AFRICAN CHIROPTERA REPORT

2018

LISTED ON EBSCO PUBLISHING DATABASE

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Published by: AfricanBats NPC, African Chiroptera Project, Pretoria, Republic of South Africa

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Citation: ACR. 2018. African Chiroptera Report 2018. AfricanBats NPC, Pretoria. i-xvi + 1-8028 pp.

ISSN: 1990-6471

Database development:
Victor Van Cakenberghe.

Available from: http://www.africanbats.org

Online Available: Friday, 10 August 2018

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Supporting Organizations:

Funding Organizations:

The organizations shown below have contributed funds to support projects that assist with the production and refinement of the African Chiroptera Report 2018.

Table of Contents:

Introduction 1
Taxa profiles 10
ORDER CHIROPTERA Blumenbach, 1779 10
†Family AEGYPTONYCTERIDAE Simmons, Seiffert and Gunnell, 2016 19
†Genus ***Aegyptonycteris*** Simmons, Seiffert and Gunnell, 2016 19
†***Aegyptonycteris knightae*** Simmons, Seiffert and Gunnell, 2016 19
†Family NECROMANTIDAE Sigé, 2011 19
†Genus ***Necromantis*** Weithofer, 1887 19
†***Necromantis fragmentum*** (Ravel, 2016) 20
SUBORDER PTEROPODIFORMI Van Cakenberghe, Kearney and Seamark, 2007 21
INFRAORDER PTEROPODIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007 21
Superfamily PTEROPODOIDEA Gray, 1821 22
Family PTEROPODIDAE Gray, 1821 22
Subfamily Eidolinae Almeida, Giannini and Simmons, 2016 25
Genus ***Eidolon*** Rafinesque, 1815 25
Eidolon dupreanum (Schegel, 1867) 26
Eidolon helvum (Kerr, 1792) 29
Eidolon helvum helvum (Kerr, 1792) 42
†Subfamily Propottininae Butler, 1984 43
†Genus ***Propotto*** Simpson, 1967 43
†***Propotto leakeyi*** Simpson, 1967 43
Subfamily Pteropodinae Gray, 1821 44
Genus ***Pteropus*** Erxleben, 1777 44
Pteropus aldabrensis True, 1893 46
Pteropus livingstonii Gray, 1866 48
Pteropus niger (Kerr, 1792) 51
Pteropus rodricensis Dobson, 1878 54
Pteropus rufus E. Geoffroy St.-Hilaire, 1803 56
Pteropus seychellensis A. Milne-Edwards, 1877 60
Pteropus subniger (Kerr, 1792) 63
Pteropus voeltzkowi Matschie, 1909 64
Subfamily Rousettinae Andersen, 1912 66
Genus ***Casinycteris*** Thomas, 1910 66
Casinycteris argynnis Thomas, 1910 67
Casinycteris campomaanensis Hassanin, 2014 68
Casinycteris ophiodon (Pohle, 1943) 69
Genus ***Epomophorus*** Bennett, 1836 70
Epomophorus angolensis Gray, 1870 71
Epomophorus anselli Bergmans and Van Strien, 2004 72
Epomophorus crypturus Peters, 1852 73
Epomophorus dobsonii Bocage, 1889 76
Epomophorus gambianus (Ogilby, 1835) 77
Epomophorus gambianus gambianus (Ogilby, 1835) 80
Epomophorus gambianus pousarguesi Trouessart, 1904 81
Epomophorus grandis (Sanborn, 1950) 82
Epomophorus labiatus (Temminck, 1837) 83
Epomophorus minimus Claessen & De Vree, 1991 86
Epomophorus minor Dobson, 1880 87
Epomophorus wahlbergi (Sundevall, 1846) 88
Genus ***Epomops*** Gray, 1866 95
Epomops buettikoferi (Matschie, 1899) 96
Epomops franqueti (Tomes, 1860) 97
Genus ***Hypsignathus*** H. Allen, 1862 100
Hypsignathus monstrosus H. Allen, 1862 101
Genus ***Megaloglossus*** Pagenstecher, 1885 105
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012 106
Megaloglossus woermanni Pagenstecher, 1885 107
Genus ***Micropteropus*** Matschie, 1899 109
Micropteropus intermedius Hayman, 1963 110
Micropteropus pusillus (Peters, 1868) 111
Genus ***Myonycteris*** Matschie, 1899 113
Myonycteris angolensis (Bocage, 1898) 114
Myonycteris angolensis angolensis (Bocage, 1898) 117
Myonycteris angolensis goliath (Bergmans, 1997) 117
Myonycteris angolensis petraea (Bergmans, 1997) 118

Myonycteris angolensis ruwenzorii (Eisentraut, 1965) 118
Myonycteris angolensis smithii (Thomas, 1908) 119
Myonycteris brachycephala (Bocage, 1889) 119
Myonycteris leptodon K. Andersen, 1908 121
Myonycteris relicta Bergmans, 1980 121
Myonycteris torquata (Dobson, 1878) 123
Myonycteris torquata torquata (Dobson, 1878) 125
Myonycteris torquata wroughtoni K. Andersen, 1908 126
Genus ***Nanonycteris*** Matschie, 1899 126
Nanonycteris veldkampii (Jentink, 1888) 127
Genus ***Plerotes*** K. Andersen, 1910 128
Plerotes anchietae (Seabra, 1900) 128
Genus ***Rousettus*** Gray, 1821 130
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810) 132
Rousettus madagascariensis G. Grandidier, 1929 149
Rousettus obliviosus Kock, 1978 152
Genus ***Scotonycteris*** Matschie, 1894 155
Scotonycteris bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015 156
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015 156
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015 157
Scotonycteris occidentalis Hayman, 1947 157
Scotonycteris zenkeri Matschie, 1894 158
Genus ***Stenonycteris*** Gray, 1870 159
Stenonycteris lanosus (Thomas, 1906) 159
INFRAORDER RHINOLOPHIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007 162
Superfamily RHINOLOPHOIDEA J. E. Gray, 1825 162
Family HIPPOSIDERIDAE Lydekker, 1891 162
Genus ***Asellia*** Gray, 1838 164
Asellia italosomalica de Beaux, 1931 165
Asellia patrizii de Beaux, 1931 165
Asellia tridens (E. Geoffroy St.-Hilaire, 1813) 166
Genus ***Doryrhina*** Peters, 1871 170
Doryrhina cyclops (Temminck, 1853) 170
Genus ***Hipposideros*** Gray, 1831 172
†***Hipposideros africanum*** Ravel, 2016 175
†***Hipposideros amenhotepos*** Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, 2015 175
†***Hipposideros besaoka*** Samonds, 2007 176
†***Hipposideros kaumbului*** Wesselman, 1984 176
†***Hipposideros vetus*** (Lavocat, 1961) 176
Hipposideros abae J.A. Allen, 1917 177
Hipposideros beatus (K. Andersen, 1906) 178
Hipposideros caffer (Sundevall, 1846) 179
Hipposideros camerunensis Eisentraut, 1956 185
Hipposideros cf. centralis Andersen, 1906 186
Hipposideros curtus G.M. Allen, 1921 186
Hipposideros fuliginosus (Temminck, 1853) 187
Hipposideros jonesi Hayman, 1947 189
Hipposideros lamottei Brosset, 1985 190
Hipposideros marisae Aellen, 1954 191
Hipposideros megalotis (Heuglin, 1861) 192
Hipposideros ruber (Noack, 1893) 193
Hipposideros tephrus (Cabrera, 1906) 197
Genus ***Macronycteris*** Gray, 1866 198
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813) 198
Macronycteris cryptovalorona (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016) 201
Macronycteris gigas (Wagner, 1845) 202
Macronycteris vittatus (Peters, 1852) 205
†Genus ***Palaeophyllophora*** Revilliod, 1917 208
†***Palaeophyllophora tunisiensis*** (Ravel, 2016) 208
Family MEGADERMATIDAE H. Allen, 1864 209
Genus ***Cardioderma*** Peters, 1873 209
†***Cardioderma leakeyi*** Gunnell, Butler, Greenwood and Simmons, 2015 210

Cardioderma cor (Peters, 1872) 210
Genus ***Lavia*** Gray, 1838 212
Lavia frons (E. Geoffroy St.-Hilaire, 1810) 212
Genus ***Megaderma*** E. Geoffroy St.-Hilaire, 1810 215
†***Megaderma gaillardi*** (Trouessart, 1898) 215
†***Megaderma gigas*** (Lavocat, 1961) 216
†***Megaderma jaegeri*** Sigé, 1976 216
†Genus ***Saharaderma*** Gunnell, Simons and Seiffert, 2008 216
†***Saharaderma pseudovampyrus*** Gunnell, Simons and Seiffert, 2008 216
Family RHINOLOPHIDAE Gray, 1825 217
Genus ***Rhinolophus*** Lacépède, 1799 217
†***Rhinolophus maghrebensis*** Gunnell, Eiting, and Geraads, 2011 222
†***Rhinolophus mellali*** Lavocat, 1961 222
Rhinolophus adami Aellen and Brosset, 1968 222
Rhinolophus alcyone Temminck, 1853 223
Rhinolophus blasii Peters, 1867 225
Rhinolophus capensis Lichtenstein, 1823 229
Rhinolophus clivosus Cretzschmar, 1828 232
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012 238
Rhinolophus damarensis Roberts, 1946 239
Rhinolophus darlingi K. Andersen, 1905 240
Rhinolophus deckenii Peters, 1868 242
Rhinolophus denti Thomas, 1904 243
Rhinolophus eloquens K. Andersen, 1905 247
Rhinolophus euryale Blasius, 1853 248
Rhinolophus ferrumequinum (Schreber, 1774) 252
Rhinolophus fumigatus Rüppell, 1842 258
Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018 261
Rhinolophus guineensis Eisentraut, 1960 262
Rhinolophus hildebrandtii Peters, 1878 263
Rhinolophus hilli Aellen, 1973 265
Rhinolophus hillorum Koopman, 1989 266
Rhinolophus hipposideros (Bechstein, 1800) 267
Rhinolophus horaceki Benda and Vallo, 2012 271
Rhinolophus kahuzi Fahr and Kerbis Peterhans, 2013 272
Rhinolophus landeri Martin, 1838 272
Rhinolophus lobatus Peters, 1852 275
Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012 276
Rhinolophus maclaudi Pousargues, 1898 277
Rhinolophus maendeleo Kock, Csorba and Howell, 2000 278
Rhinolophus mehelyi Matschie, 1901 279
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012 283
Rhinolophus rhodesiae Roberts, 1946 284
Rhinolophus ruwenzorii J. Eric Hill, 1942 285
Rhinolophus sakejiensis Cotterill, 2002 286
Rhinolophus silvestris Aellen, 1959 287
Rhinolophus simulator K. Andersen, 1904 288
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012 291
Rhinolophus swinnyi Gough, 1908 292
Rhinolophus willardi Kerbis Peterhans and Fahr, 2013 294
Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002 295
Family RHINONYCTERIDAE J. E. Gray, 1866 296
†Genus ***Brachipposideros*** Sigé, 1968 296
†Genus ***Brevipalatus*** Hand and Archer, 2005 296
Genus ***Cloeotis*** Thomas, 1901 296
Cloeotis percivali Thomas, 1901 297
Genus ***Paratriaenops*** Benda and Vallo, 2009 299
Paratriaenops auritus (G. Grandidier, 1912) 300
Paratriaenops furculus (Trouessart, 1907) 301
Paratriaenops pauliani (Goodman and Ranivo, 2008) 303
Genus ***Triaenops*** Dobson, 1871 304
†***Triaenops goodmani*** Samonds, 2007 305

Triaenops afer Peters, 1877 305
Triaenops menamena Goodman and Ranivo, 2009 306
Superfamily RHINOPOMATOIDEA Dobson, 1872 310
Family RHINOPOMATIDAE Dobson, 1872 310
†Genus ***Qarunycteris*** Gunnell, Simons and Seiffert, 2008 311
†***Qarunycteris moerisae*** Gunnell, Simons and Seiffert, 2008 312
Genus ***Rhinopoma*** E. Geoffroy St.-Hilaire, 1818 312
Rhinopoma cystops Thomas, 1903 313
Rhinopoma macinnesi Hayman, 1937 316
Rhinopoma microphyllum (Brünnich, 1782) 317
†Family TANZANYCTERIDIDAE Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003 320
†Genus ***Tanzanycteris*** Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003 320
†***Tanzanycteris mannardi*** Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003 321
SUBORDER VESPERTILIONIFORMI Van Cakenberghe, Kearney and Seamark, 2007 322
INFRAORDER NOCTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007 323
Superfamily NOCTILIONOIDEA Gray, 1821 323
Family MYZOPODIDAE Thomas, 1904 323
Genus ***Myzopoda*** Milne-Edwards and A. Grandidier, 1878 323
†***Myzopoda africana*** Gunnell, Butler, Greenwood and Simmons, 2015 324
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878 324
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007 326
†Genus ***Phasmatonycteris*** Gunnell, Simmons and Seiffert, 2014 328
†***Phasmatonycteris butleri*** Gunnell, Simmons and Seiffert, 2014 328
†***Phasmatonycteris phiomensis*** Gunnell, Simmons and Seiffert, 2014 328
INFRAORDER NYCTERIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007 329
Superfamily NYCTEROIDEA Van der Hoeven, 1855 329
Family EMBALLONURIDAE Gervais, 1855 329
Genus ***Coleura*** Peters, 1867 330
†***Coleura muthokai*** Wesselman, 1984 330
Coleura afra (Peters, 1852) 331
Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012 334
Coleura seychellensis Peters, 1868 335
†Genus ***Dhofarella*** Sigé, Thomas, Sen, Gheerbrant, Roger, and Al-Sulaimani, 1985 338
†***Dhofarella sigei*** Gunnell, Simons and Seiffert, 2008 338
†***Dhofarella thaleri*** Sigé et al., 1994 338
Genus ***Paremballonura*** Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012 339
Paremballonura atrata (Peters, 1874) 339
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006) 340
†Genus ***Pseudovespertiliavus*** Ravel, 2016 342
†***Pseudovespertiliavus parva*** Ravel, 2016 342
Genus ***Saccolaimus*** Temminck, 1838 342
†***Saccolaimus abitus*** (Wesselman, 1984) 343
Saccolaimus peli (Temminck, 1853) 343
Genus ***Taphozous*** E. Geoffroy St.-Hilaire, 1818 344
†***Taphozous incognita*** (Butler & Hopwood, 1957) 345
Taphozous hamiltoni Thomas, 1920 346
Taphozous hildegardeae Thomas, 1909 346
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818 348
Taphozous nudiventris Cretzschmar, 1830 351
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818 354
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818 357
Taphozous perforatus sudani Thomas, 1915 357
†Genus ***Vespertiliavus*** Schlosser, 1887 358
†***Vespertiliavus aenigma*** (Ravel, 2016) 358
†***Vespertiliavus kasserinensis*** (Ravel, 2016) 358
Family NYCTERIDAE Van der Hoeven, 1855 359
†Genus ***Khoufechia*** Ravel, 2016 359
†***Khoufechia gunnelli*** Ravel, 2016 360
Genus ***Nycteris*** G. Cuvier and E. Geoffroy, 1795 360
Nycteris arge Thomas, 1903 361
Nycteris aurita (K. Andersen, 1912) 363
Nycteris* cf. *parisii De Beaux, 1924 364

Nycteris gambiensis (K. Andersen, 1912)....364
Nycteris grandis Peters, 1865....366
Nycteris hispida (Schreber, 1774)....368
Nycteris intermedia Aellen, 1959....371
Nycteris macrotis Dobson, 1876....373
Nycteris madagascariensis G. Grandidier, 1937....376
Nycteris major (K. Andersen, 1912)....377
Nycteris nana (K. Andersen, 1912)....378
Nycteris parisii (de Beaux, 1924)....379
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818....381
Nycteris vinsoni Dalquest, 1965....389
Nycteris woodi K. Andersen, 1914....390
INFRAORDER VESPERTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007....392
Superfamily MOLOSSOIDEA Gervais, 1856....392
Family MOLOSSIDAE Gervais, 1856....392
Subfamily Molossinae Gervais, 1856....393
Genus ***Chaerephon*** Dobson, 1874....394
Chaerephon aloysiisabaudiae (Festa, 1907)....396
Chaerephon ansorgei (Thomas, 1913)....397
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010....399
Chaerephon bemmeleni (Jentink, 1879)....400
Chaerephon bivittatus (Heuglin, 1861)....402
Chaerephon chapini J.A. Allen, 1917....403
Chaerephon gallagheri (Harrison, 1975)....405
Chaerephon jobimena Goodman and Cardiff, 2004....406
Chaerephon leucogaster (A. Grandidier, 1869)....407
Chaerephon major (Trouessart, 1897)....409
Chaerephon nigeriae Thomas, 1913....411
Chaerephon nigeriae nigeriae Thomas, 1913....413
Chaerephon nigeriae spillmanni (Monard, 1933)....413
Chaerephon pumilus (Cretzschmar, 1826)....414
Chaerephon pusillus (Miller, 1902)....423
Chaerephon russatus J.A. Allen, 1917....425
Chaerephon tomensis (Juste and Ibáñez, 1993)....426
Genus ***Mops*** Lesson, 1842....427
†***Mops rusingae*** (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)....428
Subgenus *Mops (Mops)* Lesson, 1842....428
Mops (Mops) condylurus (A. Smith, 1833)....429
Mops (Mops) congicus J.A. Allen, 1917....434
Mops (Mops) demonstrator (Thomas, 1903)....435
Mops (Mops) leucostigma (G.M. Allen, 1918)....436
Mops (Mops) midas (Sundevall, 1843)....438
Mops (Mops) midas miarensis (A. Grandidier, 1869)....441
Mops (Mops) midas midas (Sundevall, 1843)....441
Mops (Mops) niangarae J.A. Allen, 1917....442
Mops (Mops) niveiventer Cabrera and Ruxton, 1926....443
Mops (Mops) trevori J.A. Allen, 1917....444
Subgenus *Mops (Xiphonycteris)* Dollman, 1911....445
Mops (Xiphonycteris) bakarii Stanley, 2009....445
Mops (Xiphonycteris) brachypterus (Peters, 1852)....447
Mops (Xiphonycteris) nanulus J.A. Allen, 1917....448
Mops (Xiphonycteris) petersoni (El Rayah, 1981)....450
Mops (Xiphonycteris) spurrelli (Dollman, 1911)....451
Mops (Xiphonycteris) thersites (Thomas, 1903)....452
Genus ***Mormopterus*** Peters, 1865....454
Mormopterus acetabulosus (Hermann, 1804)....455
Mormopterus acetabulosus acetabulosus (Hermann, 1804)....457
Mormopterus acetabulosus natalensis (A. Smith, 1847)....457
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008....458
Mormopterus jugularis (Peters, 1865)....461
Genus ***Myopterus*** E. Geoffroy St.-Hilaire, 1818....463
Myopterus daubentonii Desmarest, 1820....463
Myopterus whitleyi (Scharff, 1900)....464
Genus ***Otomops*** Thomas, 1913....465
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015....466

Otomops madagascariensis Dorst, 1953 467
Otomops martiensseni (Matschie, 1897) 469
Otomops martiensseni icarus Chubb, 1917 472
Otomops martiensseni martiensseni (Matschie, 1897) 473
Genus ***Platymops*** Thomas, 1906 473
Platymops setiger (Peters, 1878) 473
Platymops setiger macmillani Thomas, 1906 474
Platymops setiger setiger (Peters, 1878) 475
Genus ***Sauromys*** Roberts, 1917 475
Sauromys petrophilus (Roberts, 1917) 476
Sauromys petrophilus erongensis (Roberts, 1946) 479
Sauromys petrophilus haagneri (Roberts, 1917) 480
Sauromys petrophilus petrophilus (Roberts, 1917) 480
Sauromys petrophilus umbratus (Shortridge & Carter, 1938) 480
Genus ***Tadarida*** Rafinesque, 1814 480
†***Tadarida engesseri*** Rachl, 1983 482
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818) 482
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818) 485
Tadarida aegyptiaca bocagei (Seabra, 1900) 485
Tadarida fulminans (Thomas, 1903) 486
Tadarida lobata (Thomas, 1891) 488
Tadarida teniotis (Rafinesque, 1814) 489
Tadarida ventralis (Heuglin, 1861) 493
Superfamily VESPERTILIONOIDEA Gray, 1821 495
Family CISTUGONIDAE Lack, Roehrs, Stanley, Ruedi and Van den Bussche, 2010 495
Genus ***Cistugo*** Thomas, 1912 495
Cistugo lesueuri Roberts, 1919 496
Cistugo seabrae Thomas, 1912 498
†Family INDETERMINATE 500
†Genus ***Chambinycteris*** Ravel, 2016 500
†***Chambinycteris pusilli*** Ravel, 2016 500
†Genus ***Drakonycteris*** Ravel, 2016 500
†***Drakonycteris glibzegdouensis*** Ravel, 2016 500
Family MINIOPTERIDAE Dobson, 1875 501
Genus ***Miniopterus*** Bonaparte, 1837 501
†***Miniopterus horaceki*** Gunnell, Eiting, and Geraads, 2011 504
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009 504
Miniopterus africanus Sanborn, 1936 506
Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015 506
Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009 507
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011 509
Miniopterus fraterculus Thomas and Schwann, 1906 510
Miniopterus gleni Peterson, Eger and Mitchell, 1995 512
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009 514
Miniopterus griveaudi Harrison, 1959 515
Miniopterus inflatus Thomas, 1903 517
Miniopterus inflatus inflatus Thomas, 1903 519
Miniopterus inflatus rufus Sanborn, 1936 519
Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014 520
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009 521
Miniopterus majori Thomas, 1906 524
Miniopterus manavi Thomas, 1906 526
Miniopterus minor Peters, 1867 527
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013 529
Miniopterus natalensis (A. Smith, 1833) 530
Miniopterus newtoni Bocage, 1889 536
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008 537
Miniopterus schreibersii (Kuhl, 1817) 538
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007 543

†Family PHILISIDAE Sigé, 1985....546
†Genus ***Dizzya*** Sigé, 1991....546
†***Dizzya exsultans*** Sigé, 1991....546
†Genus ***Philisis*** Sigé, 1985....546
†***Philisis sphingis*** Sigé, 1985....547
†Genus ***Witwatia*** Gunnell, Simons and Seiffert, 2008....547
†***Witwatia eremicus*** Gunnell, Simons and Seiffert, 2008....547
†***Witwatia schlosseri*** Gunnell, Simons and Seiffert, 2008....548
†***Witwatia sigei*** Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud, 2012 548
Family VESPERTILIONIDAE Gray, 1821....549
Subfamily Kerivoulinae Miller, 1907....550
†Genus ***Chamtwaria*** Butler, 1984....551
†***Chamtwaria pickfordi*** Butler, 1984....551
Genus ***Kerivoula*** Gray, 1842....551
Kerivoula africana Dobson, 1878....552
Kerivoula argentata Tomes, 1861....553
Kerivoula cuprosa Thomas, 1912....555
Kerivoula eriophora (Heuglin, 1877)....555
Kerivoula lanosa (A. Smith, 1847)....556
Kerivoula phalaena Thomas, 1912....558
Kerivoula smithii Thomas, 1880....559
Subfamily Myotinae Tate, 1942....560
†Genus ***Khonsunycteris*** Gunnell, Simons and Seiffert, 2008....561
†***Khonsunycteris aegypticus*** Gunnell, Simons and Seiffert, 2008....561
Genus ***Myotis*** Kaup, 1829....561
†***Myotis darelbeidensis*** Gunnell, Eiting, and Geraads, 2011....566
Myotis anjouanensis (Dorst, 1960)....567
Myotis bocagii (Peters, 1870)....567
Myotis bocagii bocagii (Peters, 1870)....569
Myotis bocagii cupreolus Thomas, 1904....570
Myotis capaccinii (Bonaparte, 1837)....570
Myotis dieteri M. Happold, 2005....573
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)....574
Myotis goudoti (A. Smith, 1834)....576
Myotis morrisi Hill, 1971....578
Myotis mystacinus (Kuhl, 1817)....579
Myotis punicus Felten, 1977....581
Myotis scotti Thomas, 1927....585
Myotis tricolor (Temminck, 1832)....586
Myotis welwitschii (Gray, 1866)....589
Subfamily Scotophilinae Van Cakenberghe and Seamark, 2008....591
†Genus ***Scotophilisis*** Horácek, Fejfar and Hulva, 2006....591
†***Scotophilisis libycus*** Horácek, Fejfar and Hulva, 2006....591
Genus ***Scotophilus*** Leach, 1821....592
Scotophilus andrewreborii Brooks and Bickham, 2014....593
Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803)....594
Scotophilus dinganii (A. Smith, 1833)....595
Scotophilus ejetai Brooks and Bickham, 2014....599
Scotophilus leucogaster (Cretzschmar, 1826)....600
Scotophilus livingstonii Brooks and Bickham, 2014....602
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006...603
Scotophilus nigrita (Schreber, 1774)....605
Scotophilus nucella Robbins, 1983....607
Scotophilus nux Thomas, 1904....608
Scotophilus robustus A. Milne-Edwards, 1881....610
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005....611
Scotophilus trujilloi Brooks and Bickham, 2014....612
Scotophilus viridis (Peters, 1852)....613
†Genus ***Vampyravus*** Schlosser, 1910....615
†***Vampyravus orientalis*** Schlosser, 1910....616
Subfamily Vespertilioninae Gray, 1821....616
Genus ***Barbastella*** Gray, 1821....617
Barbastella barbastellus (Schreber, 1774)....617
Barbastella leucomelas (Cretzschmar, 1826)....620
Genus ***Eptesicus*** Rafinesque, 1820....621
Eptesicus bottae (Peters, 1869)....623
Eptesicus floweri (de Winton, 1901)....625

Eptesicus hottentotus (A. Smith, 1833) 627
Eptesicus isabellinus (Temminck, 1840) 632
Eptesicus platyops (Thomas, 1901) 635
Genus ***Glauconycteris*** Dobson, 1875 636
Glauconycteris alboguttata J.A. Allen, 1917 637
Glauconycteris argentata (Dobson, 1875) 638
Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017 640
Glauconycteris beatrix Thomas, 1901 640
Glauconycteris cf. beatrix Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017 642
Glauconycteris cf. humeralis Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017 642
Glauconycteris curryae Eger and Schlitter, 2001 642
Glauconycteris egeria Thomas, 1913 643
Glauconycteris gleni Peterson and Smith, 1973 644
Glauconycteris humeralis J.A. Allen, 1917 645
Glauconycteris kenyacola Peterson, 1982 646
Glauconycteris machadoi Hayman, 1963 647
Glauconycteris poensis (Gray, 1842) 648
Glauconycteris superba Hayman, 1939 649
Glauconycteris variegata (Tomes, 1861) 651
Genus ***Hypsugo*** Kolenati, 1856 653
Hypsugo anchietae (Seabra, 1900) 654
Hypsugo ariel (Thomas, 1904) 656
Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015 657
Hypsugo cf. eisentrauti Hill, 1968 658
Hypsugo crassulus (Thomas, 1904) 658
Hypsugo eisentrauti (Hill, 1968) 660
Hypsugo musciculus (Thomas, 1913) 662
Hypsugo savii (Bonaparte, 1837) 663
Genus ***Laephotis*** Thomas, 1901 666
Laephotis angolensis Monard, 1935 668
Laephotis botswanae Setzer, 1971 671
Laephotis namibensis Setzer, 1971 674
Laephotis wintoni Thomas, 1901 677
Genus ***Mimetillus*** Thomas, 1904 680
Mimetillus moloneyi (Thomas, 1891) 681
Mimetillus thomasi Hinton, 1920 682
Genus ***Neoromicia*** Roberts, 1926 683
Neoromicia aff. guineensis Bocage, 1889 684
Neoromicia brunnea (Thomas, 1880) 685
Neoromicia capensis (A. Smith, 1829) 687
Neoromicia flavescens (Seabra, 1900) 693
Neoromicia guineensis (Bocage, 1889) 694
Neoromicia helios (Heller, 1912) 696
Neoromicia humbloti (A. Milne-Edwards, 1881) 697
Neoromicia isabella Decher, Hutterer and Monadjem, 2016 698
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995) 698
Neoromicia matroka (Thomas and Schwann, 1905) 700
Neoromicia nana (Peters, 1852) 701
Neoromicia rendalli (Thomas, 1889) 708
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012 711
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013 712
Neoromicia somalica (Thomas, 1901) 713
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017 716
Neoromicia tenuipinnis (Peters, 1872) 717
Neoromicia zuluensis (Roberts, 1924) 720
Neoromicia "incertae-sedis" 723
Genus ***Nyctalus*** Bowdich, 1825 724
Nyctalus azoreum (Thomas, 1901) 724
Nyctalus lasiopterus (Schreber, 1780) 726
Nyctalus leisleri (Kuhl, 1817) 728
Genus ***Nycticeinops*** Hill & Harrison, 1987 731
†***Nycticeinops serengetiensis*** Gunnell, Butler, Greenwood and Simmons, 2015 732
Nycticeinops schlieffenii (Peters, 1859) 732

Nycticeinops "incertae-sedis"....735
Genus ***Otonycteris*** Peters, 1859....736
Otonycteris hemprichii Peters, 1859....736
Genus ***Pipistrellus*** Kaup, 1829....740
Pipistrellus aero Heller, 1912....743
Pipistrellus grandidieri (Dobson, 1876)....743
Pipistrellus hanaki Hulva and Benda, 2004....745
Pipistrellus hesperidus (Temminck, 1840)....746
Pipistrellus hesperidus broomi Roberts, 1948....750
Pipistrellus hesperidus hesperidus (Temminck, 1840)....750
Pipistrellus hesperidus subtilis (Sundevall, 1846)....751
Pipistrellus inexspectatus Aellen, 1959....751
Pipistrellus kuhlii (Kuhl, 1817)....752
Pipistrellus maderensis (Dobson, 1878)....759
Pipistrellus nanulus Thomas, 1904....761
Pipistrellus permixtus Aellen, 1957....762
Pipistrellus pipistrellus (Schreber, 1774)....763
Pipistrellus pygmaeus (Leach, 1825)....767
Pipistrellus raceyi Bates, Ratrimomanarivo, Harrison and Goodman, 2006....768
Pipistrellus rueppellii (Fischer, 1829)....769
Pipistrellus rueppellii fuscipes Thomas, 1913....773
Pipistrellus rueppellii pulcher (Dobson, 1875)....773
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)....774
Pipistrellus rueppellii senegalensis Dorst, 1960....775
Pipistrellus rueppellii vernayi Roberts, 1932....775
Pipistrellus rusticus (Tomes, 1861)....776
****Pipistrellus*** sp. aff. ****kuhlii**** Kuhl, 1817....779
Pipistrellus "incertae-sedis"....779
Genus ***Plecotus*** E. Geoffroy St.-Hilaire, 1818....779
Plecotus balensis Kruskop & Lavrenchenko, 2000....780
Plecotus christii Gray, 1838....781
Plecotus gaisleri Benda, Kiefer, Hanak & Veith, 2004....783
Plecotus teneriffae Barrett-Hamilton, 1907....785
Genus ***Scotoecus*** Thomas, 1901....786
†***Scotoecus olduvensis*** Gunnell, Butler, Greenwood and Simmons, 2015....787
Scotoecus albigula Thomas, 1909....787
Scotoecus albofuscus (Thomas, 1890)....788
Scotoecus hindei Thomas, 1901....789
Scotoecus hirundo (de Winton, 1899)....790
Acknowledgements....793
Glossary....796
References....802
Appendices....972
Appendix 1: Current Taxonomy....972
Appendix 2: Voucher specimens....980
Appendix 2a: Museum Acronyms and Number of Specimens....980
Appendix 2b: Voucher Specimen Details....1009
Appendix 2c: Voucher Specimens per Museum....1386
Appendix 2d: Voucher Specimens per Museum and Country....1521
Appendix 2e: Voucher Specimens per Country....1602
Appendix 2f: Voucher Specimens from Protected Areas....1699
Appendix 2f1: Sorted by Country, Protected Area, Taxon....1699
Appendix 2f2: Sorted by Taxon, Country, Protected Area....1737
Appendix 2f3: Number of specimens of the given taxa collected in and outside Protected Areas....1784
Appendix 2f4: Number of specimens of the given taxa recently [in the last 20 years] collected in and outside Protected Areas....1791
Appendix 2f5: Number of localities in which the given taxa was collected in and outside Protected Areas....1797
Appendix 2f6: Number of localities in which the given taxa was recently [in the last 20 years] collected in and outside Protected Areas....1804
Appendix 2g: Distribution Maps per Taxon....1810
Appendix 2h: Species Richness Maps per Country....2131
Appendix 2i: Distribution per quarter degree....2191
Appendix 2j: Accumulation curves....2924
Appendix 3: Synonyms....2950
Appendix 3a: Synonyms by Name....2950

Appendix 3b: Synonyms by Author 2971
Appendix 3c: Synonyms by Publication Date 3002
Appendix 3d: Synonyms by Country of Type Specimen 3022
Appendix 3e: Common Names in Alphabetical Order 3044
Appendix 3f: Common Names by Language 3094
Appendix 3g: Original Descriptions 3146
Appendix 4: Collector Information 3449
Appendix 4a: Follow the Collector 3449
Appendix 4b: Chronological 3984
Appendix 4c: Per Country and Locality 5291
Appendix 4d: Collector Biographies 5566
Appendix 5: Keys from the Literature 5627
Appendix 5a: Dobson (1877). A Monograph of the Group Molossi. 5627
Appendix 5b: Dobson (1878). Catalogue of the Chiroptera in the collection of the British Museum. 5630
Appendix 5c: Lataste (1885). Etude de la faune des Vertébrés de Barbarie (Algérie, Tunisie et Maroc) 5657
Appendix 5d: Monticelli (1889). LIX. Some remarks on the genus Taphozous. 5660
Appendix 5e: Matschie (1895). Die Säugethiere Deutsch-Ost-Afrikas 5661
Appendix 5f: Sclater (1901). The mammals of South Africa. 5663
Appendix 5g: Jameson (1909). LIII. On a collection of mammals from South Africa. 5665
Appendix 5h: Andersen (1912). Catalog of the Chiroptera in the collection of the British Museum. Second Edition. Volume I: Megachiroptera 5666
Appendix 5i: Monard (1935). Contribution à la mammalogie d'Angola et prodrome d'une faune d'Angola. 5682
Appendix 5j: Frechkop (1938). Exploration du Parc National Albert. Mission G. F. De Witte (1933 - 1935). Fascicule 10. Mammifères. 5684
Appendix 5k: Dorst (1948). Les chiroptères du genre Triaenops Dobson (Hipposidérines). 5685
Appendix 5l: Malbrant and Maclatchy (1949). Faune de l'équateur Africain français. 5686
Appendix 5m: Panouse (1951). Les chauves-souris du Maroc. 5691
Appendix 5n: Roberts (1951). The mammals of South Africa 5694
Appendix 5o: Malbrant (1952). Faune du Centre African français (Mammifères et Oiseaux). 5700
Appendix 5p: Sanborn and Hoogstraal (1955). The identification of Egyptian bats. 5702
Appendix 5q: Hoogstraal (1962). A brief review of the contemporary land mammals of Egypt (including Sinai). 1. Insectivora and Chiroptera. 5704
Appendix 5r: Hill (1963). A revision of the genus Hipposideros. 5706
Appendix 5s: Hayman et al. (1966). The bats of the Congo and of Rwanda and Burundi 5710
Appendix 5t: Hayman and Hill (1971). Order Chiroptera: The mammals of Africa 5717
Appendix 5u: Smithers (1971). The mammals of Botswana. 5730
Appendix 5v: Hill (1974). A review of Scotoecus Thomas, 1901 (Chiroptera: Vespertilionidae) 5733
Appendix 5w: Fenton (1975). Observations on the biology of some Rhodesian bats, including a key to the Chiroptera of Rhodesia. 5734
Appendix 5x: Bergmans (1975). On the differences between sympatric Epomops franqueti (Tomes, 1860) and Epomops buettikoferi (Matschie, 1899), with additional notes on the latter species (Mammalia, Megachiroptera). 5738
Appendix 5y: Hill (1977). A review of the Rhinopomatidae (Mammalia: Chiroptera). 5739
Appendix 5z: Jones (1977a). Plecotus rafinesquii 5740
Appendix 5aa: Smithers and Wilson (1979). Check List and Atlas of the Mammals of Zimbabwe Rhodesia 5741
Appendix 5ab: El-Rayad (1980). Systematics of African molossid bats of the subgenus Xiphonycteris of the genus Tadarida (Molossidae Chiroptera). 5746
Appendix 5ac: El-Rayah (1981). A New species of bat of the genus Tadarida (Family Molossidae) from West Africa. 5747
Appendix 5ad: Rautenbach (1982). Mammals of Transvaal. 5748
Appendix 5ae: Smithers, R.H.N. (1983). The mammals of the Southern African subregion 5751
Appendix 5af: Wassif et al. (1984). Fauna and Flora of Egypt. 1. On a collection of bats from Egypt. 5756
Appendix 5ag: Qumsiyeh (1985). The bats of Egypt 5758
Appendix 5ah: Aulagnier and Thevenot (1986). Catalogue des mammifères sauvages du Maroc 5760
Appendix 5ai: Meester et al. (1986). Classification of Southern African mammals 5762
Appendix 5aj: Qumsiyeh and Jones (1986). Rhinopoma hardwickii and Rhinopoma muscatellum 5768
Appendix 5ak: Happold (1987). The mammals of Nigeria. 5769
Appendix 5al: Boulay and Robbins (1989). Epomophorus gambianus 5774
Appendix 5am: Happold and Happold (1989). The bats (Chiroptera) or Malawi, Central Africa: Checklist and keys for identification 5775
Appendix 5an: Kowalski and Rzebik-Kowalska (1991). Mammals of Algeria. 5779

Appendix 5ao: Peterson et al. (1995). Faune de Madagascar: Chiroptères 5781
Appendix 5ap: Bergmans (1997). Taxonomy and biogeography of African fruit bats (Mammallia, Megachiroptera).5. The genera Lissonycteris Andersen, 1912, Myonycteris Matschie, 1899 and megaloglossus Pagenstecher, 1.885; General remarks and conclusions; Annex: Key to all species 5783
Appendix 5aq: Gharaibeh (1997). Systematics, distribution, and zoogeography of mammals of Tunisia. 5787
Appendix 5ar: Bouchard (1998). Chaerephon pumilus.....5789
Appendix 5as: Colket and Wilson (1998). Taphozous hildegardeae 5790
Appendix 5at: Owen-Ashley and Wilson (1998). Micropteropus pusillus.....5791
Appendix 5au: Taylor (1998). The smaller mammals of KwaZulu-Natal......5792
Appendix 5av: Dunlop (1999). Mops midas 5795
Appendix 5aw: Gray et al. (1999). Nycteris thebaica.....5796
Appendix 5ax: Kwiecinski and Griffiths (1999). Rousettus egyptiacus 5798
Appendix 5ay: Taylor (2000). Bats of Southern Africa.....5799
Appendix 5az: Russ et al. (2001). Key to the bats of Madagascar.....5805
Appendix 5ba: Fahr et al. (2002). A revision of the Rhinolophus maclaudi species group with the description of a new species from West Africa (Chiroptera: Rhinolophidae). 5807
Appendix 5bb: Jacobs and Fenton (2002). Mormopterus petrophilus 5808
Appendix 5bc: Csorba et al. (2003). Horsehoe bats of the World (Chiroptera: Rhinolophidae). 5809
Appendix 5bd: Decher and Fahr (2005). Hipposideros cyclops 5813
Appendix 5be: Bates et al. (2006). A description of a new species of Pipistrellus (Chiroptera: Vespertilionidae) from Madagascar with a review of related Vespertilioninae from the island. 5814
Appendix 5bf: Csorba (2008). Taxonomy of the horseshoe bats of the world (Chiroptera: Rhinolophidae)......5815
Appendix 5bg: Thorn and Kerbis Peterhans (2009). Small mammals of Uganda......5819
Appendix 5bh: Rambaldini (2010). Glauconycteris variegata 5827
Appendix 5bi: Bol et al. (2011). Introduction à l'inventaire des Chauves-souris (Chiroptères) de la ville de Maroua, Extrême-Nord Cameroun......5828
Appendix 5bj: Patterson and Webala (2012). Keys to the bats (Mammalia: Chiroptera) of East Africa. 5830
Appendix 5bk: Lanza et al. (2015). The bats of Somalia and neighbouring areas. 5839
Appendix 5bl: Van Cakenberghe et al. (2017). The bats of the Congo and of Rwanda and Burundi revisited (Mammalia: Chiroptera). 5846
Appendix 6: Images of Type Specimens 5857
Appendix 7: Summary of Characteristic Information 5893
Appendix 7a: Echolocation call Parameters from Literature 5893
Appendix 7b: Methods used in Echolocation Literature 5918
Appendix 7c: Karyotype information from Literature.....5921
Appendix 8: Abstracts.....5924
Appendix 9: Gazetteers.....6321
Appendix 9a: Hierarchical Gazetteer.....6321
Appendix 9b: General Alphabetical Gazetteer 6665
Appendix 9c: Country Alphabetical Gazetteer 7021
Appendix 9d: Quarter Degree Gazetteer.....7357
Appendix 9e: Altitudinal Gazetteer.....7865

Introduction

The purpose of the African Chiroptera Report is to collate published information on, and collates specimen records of, African bats. The advent of the internet provides an opportunity for large amounts of information to be easily and economically updated and accessible, which is particularly important for taxonomic information. The electronic, web-based nature of the information is intended to allow information on African bats to be corrected/updated more frequently than a printed format allows, and to be available to users in an affordable form that can be manipulated to their specific requirements. It is hoped this tool will facilitate research and conservation planning, and possibly stimulate interactions across different areas of research. The report is generated from data collated in the African Chiroptera Database and will hopefully grow and develop with the addition of new and corrected information.

The incorporation of information other than taxonomic (see the various section headings in the description of the layout below), is still patchy in its execution across the taxa. Information that may answer specific requirements of a user, i.e. more information about the voucher specimens, or specimen collectors, has been drawn from across the database and is presented in separate appendices. Published identification keys for African bat species, have, where necessary, been updated to include current names, and are presented in appendix 5. In appendix 6 images of type specimens are included as they become available.

TAXONOMY

In 2006 an African Chiroptera Taxonomic Advisory Committee (ACTAC) was established to guide the development of this resource. This Committee has made valuable contributions regarding the incorporation of suggested changes/corrections, in particular in relation to the taxonomy, into this report. The report is currently most comprehensive in the presentation of information on all known synonyms, for presently accepted taxa of African bat species. Having a high Chiroptera diversity, there are currently 17 families (incl. 4 extinct), 81 genera (23 extinct) and 376 species (48 extinct) recognized as occurring (or having occurred) in Africa. An overview of the number of genera and species per family occurring in Africa is shown in Figure 1. Usually the number of species is larger than the number of genera, but there is one exception: in the Megadermatidae, three genera and two species are mentioned. The reason for this is that only extant taxa are included, and although *Megaderma gigas* is an extinct species, the genus itself still has representatives in Asia. The graph further shows that the Vespertilionidae contain the largest number of both genera and species, followed by the Molossidae and Pteropodidae in number of species, and by the Pteropodidae and Molossidae in number of genera.

The synonym information is still largely based on work by Meester *et al.* (1986), Koopman (1993a), and Simmons (2005). The work of Simmons (2005) is still generally followed in the report for the status of lower taxonomic groups, and we are especially indebted to this publication.

The report also aims to incorporate information on the whereabouts of type specimens, name combinations, and spelling variations and errors/lapsus calami in names.

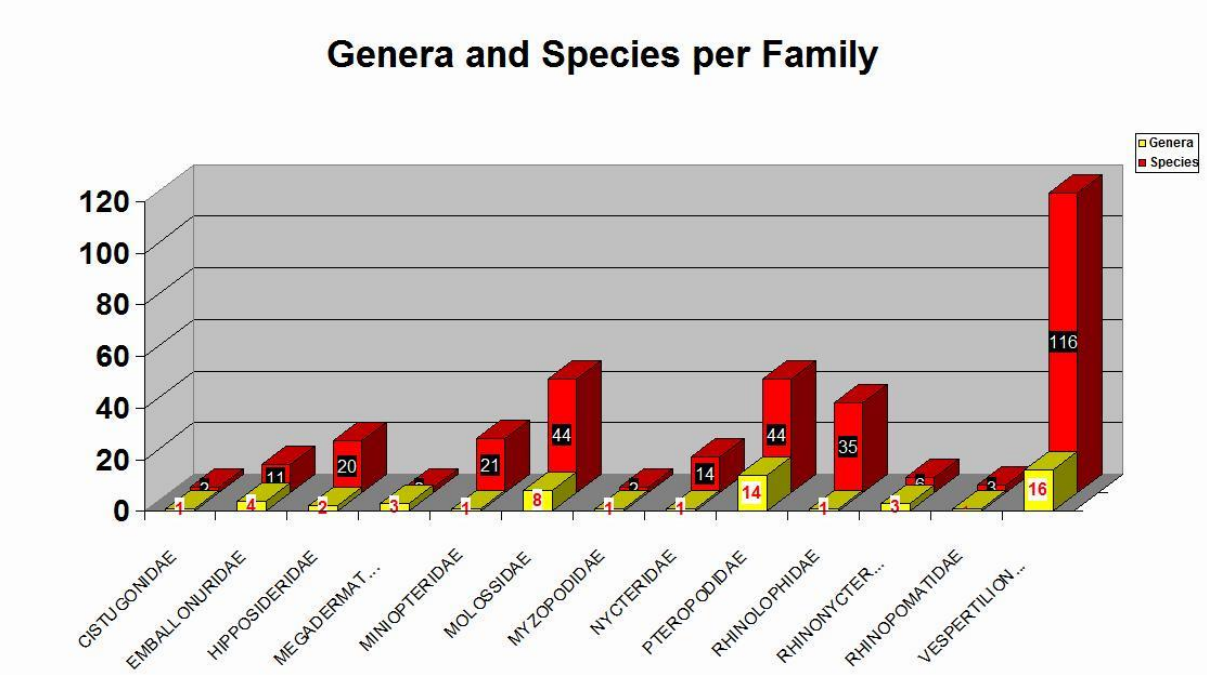

Figure 1. Overview of the number of extant genera (yellow) and species (red) per family occurring in Africa (Modified after Srinivasulu *et al.*, 2010: 1008).

NEW TAXONOMIC CHANGES SINCE THE 2017 REPORT

Definitions of terms for taxonomic changes:
The taxonomic changes listed here and explained in the appropriate species accounts are new opinions relating to "recent" systematic works as well as publications dealing with extinct taxa:

New taxon – a recently described taxon or a taxon that was for some reason omitted from the previous report.
Revised status – re-establishment of the taxon name.
Removed – a taxon, which was previously recognized as occurring within Africa, but has been shown to not exist, for various reasons.

New Status	Status change	2017 Status	Reason
FAMILY: RHINOLOPHIDAE			
Rhinolophus gorongosae Taylor, Macdonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki, and Richards, 2018	New taxon		Taylor *et al*. (2018) examining cytochrome *b* (Cyt*b*) sequences found that this new species from Mozambique was closely allied with the west and central African *R. landeri*, but distinct enough (15%) to be recognized as a separate species. It is also morphologically smaller.
Rhinolophus lobatus Peters, 1852	Revised status	*R. landeri* Martin, 1838	Monadjem *et al*. (2010) considered the southern (and possibly eastern) African savannah-occurring *R. landeri* to be distinct from West African forest populations. Taylor et al. (2018) examining

New Status	Status change	2017 Status	Reason
			cytochrome *b* (Cyt*b*) sequences found that the savannah and forest taxa were distinct and elevated the previously described species *R. lobatus,* which had been synonmized in *R. landeri*, to full species status.
Rhinolophus rhodesiae Roberts, 1946	Revised status	*R. swinnyi* Gough, 1908	Austin Roberts in 1946 recognized and described *R. rhodesiae*, but this form was later synonomized with *R. swinnyi*. Taylor et al. (2018) found specimens from the north-eastern parts of southen Africa to be phylogenetically distinct from topotypical *R. swinnyi* from the Eastern Cape Province, South Africa. Hence they reinstated *R. rhodesiae* as a distinct species.
FAMILY: VESPERTILONIDAE			
Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017	New taxon		Using both morphological and molecular approaches Hassanin et al. (2018) described *G. atra* as distinct from other currently recognized *Glauconycteris*.

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MONADJEM, A., P. J. TAYLOR, W. COTTERILL, and M. SCHOEMAN. 2010. *Bats of southern and central Africa: a biogeographic and taxonomic synthesis*. Wits University Press, Johannesburg.

TAYLOR, P. J., A. MACDONALD, S. M. GOODMAN, T. KEARNEY, F. P. D. COTTERILL, S. STOFFBERG, A. MONADJEM, M. C. SCHOEMAN, J. GUYTON, P. NASKRECKI, and L. R. RICHARDS. 2018. Integrative taxonomy resolves three new cryptic species of small southern African horseshoe bats (*Rhinolophus*). *Zoological Journal of the Linnean Society*.

GEOGRAPHIC SCOPE

This report covers the geographic area of the African continent and adjacent regions, including, Madagascar, and other surrounding islands in the Indian and Atlantic oceans (Figure 3). This and previous issues of the report have focused attention mainly on capturing information from the African continent and the associated islands. The taxa from the Arabian Peninsula are included as far as these are shared with the African continent.

SPECIES RICHNESS AND ESTIMATES

Figure 2 shows the number of families, genera and species occurring in the various African countries. The most diverse country in number of genera and species is The Democratic Republic of the Congo, followed by Kenya, Cameroon and Tanzania (all over 100 species) (see Figure 3 and 4).

Species lists per country together with voucher specimens (evidence) can be located in Appendix 2e.

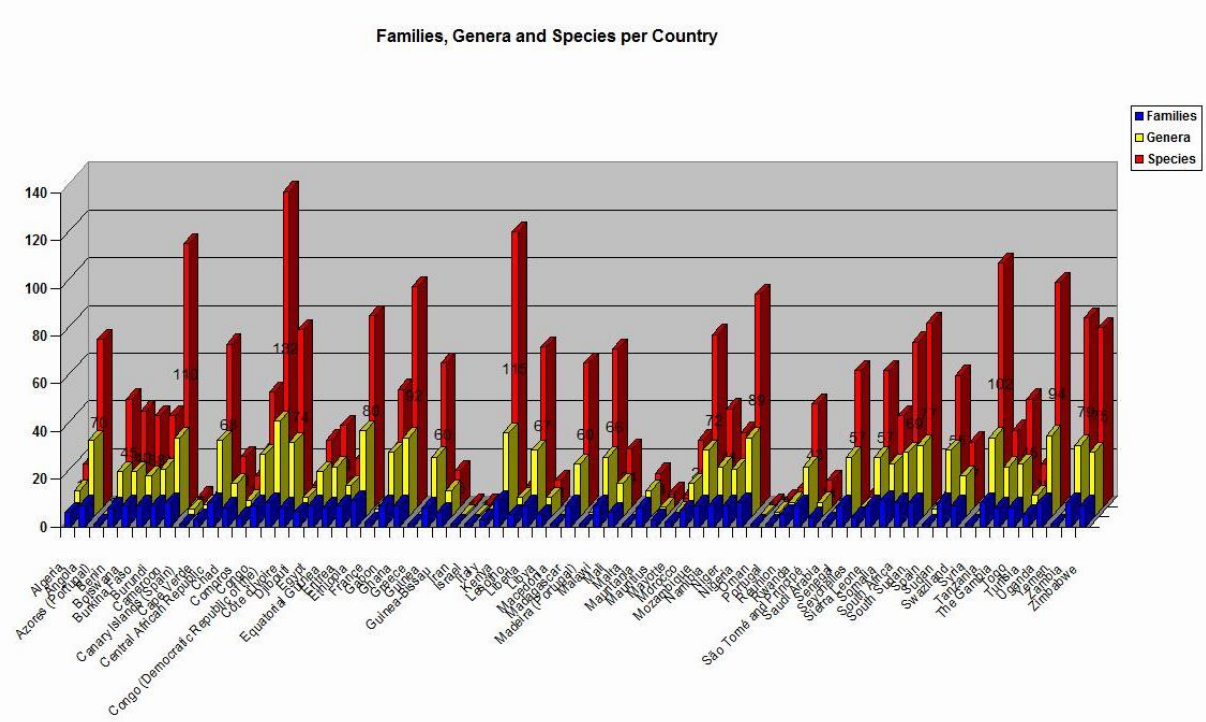

Figure 2. Overview of the number of extant families (blue), genera (yellow) and species (red) occurring in the various countries in Africa (Modified after Srinivasulu et al., 2010: 1008).

Species richness maps for individual countries showing all known records have been mapped at a quarter degree level (0.25) (Appendix 2h).

Examination of the estimated spatial extent of collection coverage (Figure 4) indicates large areas where there is urgent need for surveys. Within southern Africa – southeastern Angola is in desperate need of preliminary survey work, as well as smaller areas in northern Mozambique, Botswana southwestern Zambia and Northern Cape Province of South Africa. In East Africa - Tanzania and Somalia should be prioritized and in Central Africa - The Democratic Republic of the Congo.

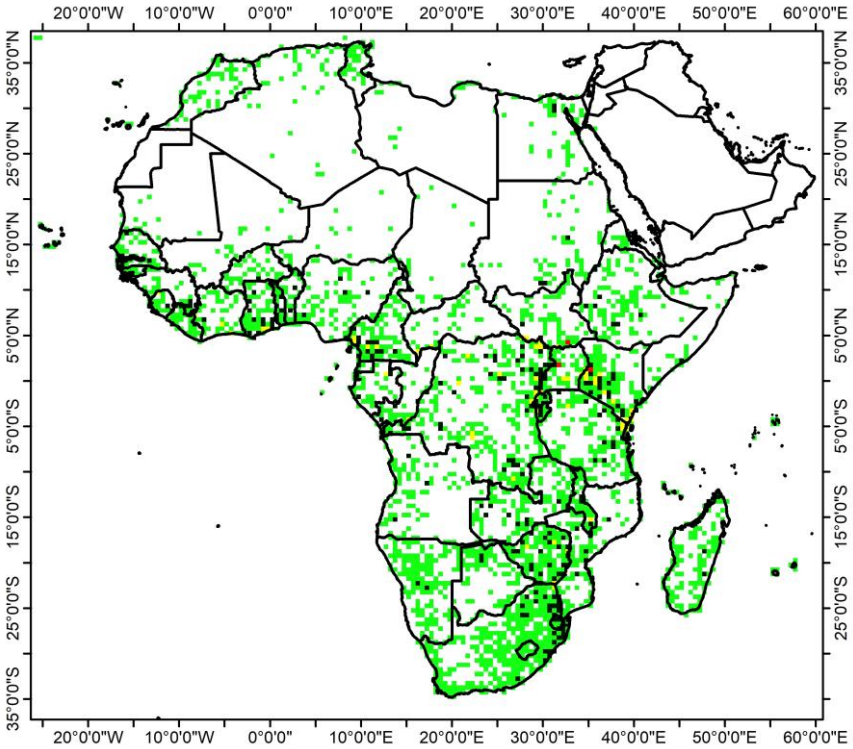

Figure 3. African bat species richness map, calculated in half degree grid (0.5) size from the specimen data in the African

Chiroptera Database 2018. Light green = 1- 12 species; dark green / black = 13 – 24 species; yellow = 25 - 36 species; orange = 37 – 48 species; red = 49 – 60 species.

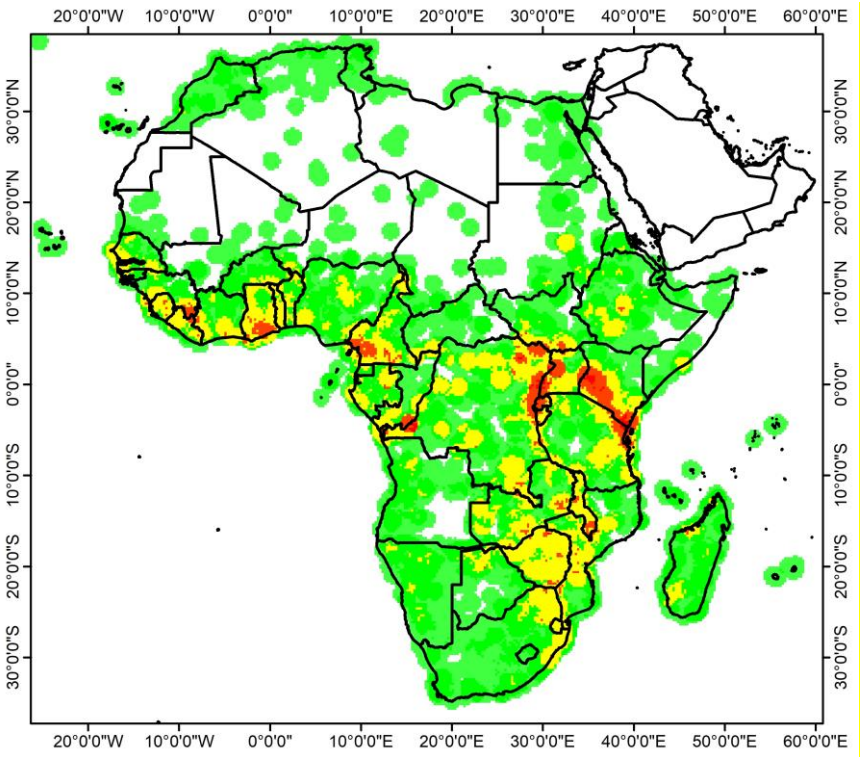

Figure 4. African bat species richness estimator (Choa 2) was used to calculate in quarter degree (0.25) grid size the specimen data in the African Chiroptera Database 2018, using DIVA-GIS 7.4.0.1 (http://www.diva-gis.org) with a nearest neighbor set at 2. Light green = 1 – 10; dark green / black = 11 – 30; yellow = 31 – 65; orange = 66 – 100; red = 101 – 150.

All light green areas in species richness maps should be viewed with some caution as these only represent 1 - 10 species. These areas most likely indicate bat records collected as part of larger mammal fieldwork or were collected opportunistically. Therefore, areas that are light green require surveys that will focus attention of the bat species found at these sites.

For Sub-Saharan Africa, Monadjem and Schoeman (2013: 104) indicate that the highest species richness is recorded in the Albertine Rift, the northern shores of Lake Victoria in East Africa, and the Upper Guinean forest zone of West Africa. Furthermore, eastern South Africa, southern Mozambique, Zimbabwe, Malawi, coastal Kenya and Tanzania, the Ethiopian rift valley, the Congo basin north of the Congo River and the humid Guinean woodlands north of the rainforest in West Africa have a high species richness. The poorest species richness, they found (not unexpectedly) in the arid zones of south-western Southern Africa, the entire Sahel zone of North Africa, and the Horn of Africa. But the latter might still be the result of (large) collections in various museums, which are still unreported (as was already indicated by Schlitter and Delany, 1985: 47).

SPECIMENS

At the time the 2018 report was generated the African Chiroptera Database contained 129,845 specimen records of which 113,498 specimens had co-ordinates. This indicates that 87 % of the available records could be plotted.

The species distribution maps created in this report probably indicate biases in relation to the collections from which data has currently been obtained. In previous issues of the ACR, it was estimated that about 100,000 to 150,000 specimen records were available for African Chiroptera in collections around the world. This is now believed to be a serious underestimate of potentially available specimens (many European, African and Asian museum collections have not been captured as yet). W e currently suspect that a more realistic number of records is possibly between 150,000 – 250,000. Using these revised estimates, we assume that between 51.9 - 86.5 % of available records have been captured in the ACD, for 2018.

LAYOUT OF ACCOUNTS

The taxa are presented in alphabetical order, top down (Order, Suborder, Infraorder…etc.).

In the synonyms list, an asterisk (*) in front of the year indicates that the synonym represents the original name for the taxon. This also reveals instances where it is not necessarily the oldest name that has taken precedence. The use of colours denotes the following: red - first name used; blue - name currently in use; green - valid synonyms; black - name combinations, spelling variations and errors/lapsus calami. A question mark (?) in the position of the year indicates that the first use of a particular name combination has not yet been determined.

Information relating to the following section headings, or citations to relevant publications, may also be presented in an account, if information relating to these sections has been published or communicated (e.g. "*pers. comm.*" or "unpublished report"), and has been entered in the database. Sections marked as "unknown" indicate that literature data explicitly mention that this information is "not known" (contrary to not having found any information on the topic).

Taxonomy:
Provides a brief history of previous studies in systematics, giving a summary of different conclusions arising from different methodologies and the resulting taxonomic debates. Much of this information has been taken from Simmons (2005).

Common names:
Common names used, in a variety of different languages, and found in various sources: e.g. Afrikaans (Roberts, 1951), Czech (Benda, 2010), Dutch (Dietz, 2017), English (Roberts, 1951; Wilson and Cole, 2000), French (http://www.planet-mammiferes.org; Stéphane Aulagnier, pers. comm.), German (Rudi Hasslauer, pers. comm.), Greek, Albanian and Macedonian (Papadatou *et al.*, 2011), Italian: (Lanza *et al.*, 2015), Maltese (http://www.geocities.com/RainForest/3096/bats.html), Spanish (UNEP-WCMC, 2003; Fa, 1991).

Etymology of name:
Information about the origin/meaning of the name.

Similar species:
Information about other taxa, with which there has been a recorded mistake in identification.

Palaeontological / archaeological records:
Any records identified from palaeontological or archaeological sites.

Conservation status:
This section is split into two categories: Global - provides information on past and present Red data assessments of the global populations of a species and; Regional - provides information on past and present Red data assessments of regional or country specific assessments of a species.

General distribution:
Distribution of the taxa in Africa, and extra-limital to Africa. Much of this information also comes from Simmons (2005). Additional records are indicated by a reference to their source.

Biogeography:
Information about the evolutionary processes that have driven speciation of the taxa and also its possible historical distributions in association with sister taxa.

Geographic variation:
Any known variation within a taxon across its distribution.

General description of external morphology:
Information about the outward appearance that may distinguish a taxon.

General description of cranial and dental morphology:
Information about the skull, mandible and teeth that may be distinguishing characters of a taxon.

Detailed morphology:
More detailed description of some structure of a taxon, i.e. for the baculum, tragus, hyoid, or wingshape.

Functional morphology:
Information on any work that has related morphological structure to function.

Sexual dimorphism:
Any known variation within a taxon between males and females.

Echolocation:
Information about the echolocation call of a taxon.

Molecular biology:
Information in this section is currently divided into three categories for information on DNA, Karyotype, and Protein/allozyme. The following abbreviations are used in the description of the karyotype: **2n -** diploid number, **FN -** fundamental number of autosomal chromosome arms, **BA -** total number of biarmed autosomal chromosomes, **X -** female sex chromosome, and **Y -** male sex chromosome.

Habitat:
Information about the environment in which a taxon has been recorded.

Behaviour:
Information about the timing and actions of a taxon.

Roost:
Indicates where a taxon settles during the day and at night.

Migration:
Any records of period movement from one geographic area to another.

Feeding/diet:
Records of behaviour in relation to feeding, and what is eaten.

Predators:
Records of other species know to eat the taxon in question.

Population:
Information in this section is separated into two categories: structure - in relation to any organization between individuals, and density - in relation to the number of individuals.

Lifespan:
Records relating to how long individuals of a taxon are known to live for.

Reproduction and ontogeny:
Information relating to the biology associated with producing further members of a species, and the growth/development over the course of a lifespan.

Mating:
Information relating to the behaviour associated with producing further members of a species.

Post-natal development:
Information relating to changes that occur after birth.

Parasites:
Information relating to both ectoparasites (parasites living outside the body), and endoparasites (parasites living within the body).

Viruses:
Any known viruses carried by a taxon. The taxonomy followed is that by the ICTV (International

Committee on Taxonomy of Viruses - http://www.ictvonline.org/index.asp).

Utilization/significance:
Information about how a taxon may be used or viewed by people.

Distribution map:
The species distribution maps should still be viewed with some caution, since these are based on voucher specimen records currently included in the African Chiroptera Database. Hence, the actual distribution of the taxon might be more extensive than indicated on the maps, and the voucher specimen classification/identification may not be accurate. On the other hand, it might also be possible that the actual distribution is more restricted than indicated on the maps. This might be due to the inclusion of historical data, which indicate localities where the animals might have occurred a 100 (or less) years ago, when the habitat was favorable for the animals, but which currently is no longer the case (e.g. increased desertification, destruction of rain forest…). Additionally, it needs to be pointed out that due to variety of reasons not all voucher specimen localities have been plotted, i.e. no X, Y co-ordinates could be found, or these co-ordinates fall outside the country where this locality is supposed to be located. Voucher specimen localities that were not plotted are, however, indicated in the Appendices dealing with voucher specimens. Similarly the position of the point within a country does not necessarily confirm its presence at that spot on the map, as data has currently only been screened to fall within its associated country of representation. Appendix 2g contains a larger version of the maps displayed in the taxa accounts.

Distribution based on voucher specimens:
This is a calculated paragraph, where information is derived from information in the African Chiroptera Database, and provides a list of countries from which there are voucher specimens. A note of caution in viewing this data is that it is based on voucher specimen information currently in the African Chiroptera Database, hence there may be voucher specimen records that have not yet been included in the database, and voucher specimen classification/identification may not be accurate. Again, if you have any knowledge of omissions or errors in relation to voucher specimens, please send this information to the managing editors of the database (ACD@africanbats.org) for inclusion in the next revision.

An additional, calculated query indicates through the use of colour in the country name, the period of time when voucher specimens were last collected from a country. Green indicates that voucher specimens have been collected within the past 20 years, blue within the past 20-50 years, orange within the past 50-100 years, and red if the last voucher specimens were collected more than 100 years ago. Country names in black represent countries for which voucher specimens currently have no associated date of collection. The purpose of this ranking is to assist researchers and conservation planners to focus attention on species and areas where further collecting needs to be done to ascertain data on current presence in an area.

REFERENCES
In the references section of the report, the author names are colour coded to indicate in which part of the report the reference was mentioned: blue indicates that the reference is used in the main report, green that it is found in the appendices, and red is used for references occurring in both the main report and the appendices. References without colour code have not been used in the main report nor in the appendices, but are included to provide an overview of all publications pertaining to African bats.

GIS and ESRI shapefiles
GIS shapefile have been release with this 2018 report that contain all the spatial information to date on the bats in Africa. This is the raw information that was used to create the various maps as well as associated information that is used in the calculation of the various appendicies.

Download data: www.africanbats.org/Documents/ACR/2018/ACR_2018_data.zip.

Shapefile has been created using geographic projection.

Caution must be used when interpreting the information as the X and Y co-ordinates have been calculated using various co-ordinate systems (e.g. DDMMSS, DDMM.SS or center of Quarter Degree), this level of precision varies and therefore the points also contain this level of error.

FUTURE OF THE REPORT

The current managing editors felt this project may have a better chance of being a successful tool for some time into the future, by encouraging contributions of data and information from interested individuals and organizations. It is hoped the African Chiroptera Report will continue to grow and develop with many more contributions of new and corrected information, i.e. verification of specimens, and specimen voucher records to the database from interested individuals and organizations. Not assigning individual names to authorship/editorship of the report has also been an intentional decision, to try and develop "ownership" of the project among all individuals and organizations who contribute to the database. It is envisaged that each release of the report, being built on the foundation of the previous report, will retain the information of whom and in what capacity they contributed to the project in a particular cycle.

Future funding is being sought for the continued support and development of the African Chiroptera Project and the development of additional tools and resources. Some of the tools and resources being explored are contracting in of additional technical skills to develop web access, GIS integration for spatial queries and information dissemination. The saying goes 'Garbage in garbage out', the African Chiroptera Project will continue to refine, verify and interrogate information contained in the database. This will be achieved through the development of teams who will verify and check all information contained in the database – verification of identifications, spatial accuracy of collection sites, and the entering in of recent and historical information from published sources.

Any mistakes, misrepresentation of data, or omitted publications can be reported to the managing editors of the database (ACD@africanbats.org). This will allow corrections and updates to be made in the next report (2019).

Taxa profiles

ORDER CHIROPTERA Blumenbach, 1779

*1779. *CHIROPTERA* Blumenbach, Handbuch der Naturgeschichte, 58. - Etymology: Neuter plural scientific Latin substantive made up of the Greek substantives, respectively feminine and neuter "*χείρ*" (kheír) [genitive "*χειρός*" (kheirós)] meaning "hand" and "*πτερόν*" (pterón) meaning "wing", or combined: "with the hand serving as a wing" or "with the hand changed into a wing" (see Lanza *et al.*, 2015: 13). (Current Combination)
1821. *CHEIROPTERA* Gray, 299. - Comments: Proposed as a class.
1822. *CHEIROPTERA* Flemming, xxii. - Comments: .
1889. *PTETICA* Ameghino. - Comments: Not seen, but Ameghino's Obras Completas 6: 586. PTETICA included not only CHIROPTERA but a hypothetical "PROCHIROPTERA". Pre-occupied by *Ptetica* Saussure, 1884 (Orthoptera: Acrididae).
2014. *Vespertilioniformes* Zagorodniuk, Proc. Theriol. School, 12: 8.
-330. *DERMAPTERA* Aristotle. - Comments: ca. 330 B.C. Non-Linnean but noted here for the sake of interest.

TAXONOMY:
Higher classification of the Chiroptera follows Alonso-Zarazaga (2005), Eick *et al.* (2005), Hutcheon and Kirsch (2006), and Teeling *et al.* (2005).

The chiropteran monophyly/diphyly debate that raged over the last decade or so has been quelled by recent molecular studies (Stanhope *et al.*, 1992; Van Den Bussche *et al.*, 1998; Allard *et al.*, 1999; Miyamoto *et al.*, 2000; Murphy *et al.*, 2001a, 2001b; Liu *et al.*, 2001; Butler *et al.*, 2010; Amador *et al.*, 2016) that have unequivocally demonstrated bat monophyly, and thereby dispelled the "flying primate" hypothesis (e.g. Pettigrew, 1986). Molecular analyses reject any close relationship among bats, flying lemurs and tree shrews (once grouped in the cohort Archonta), and instead support a sister-taxon relationship between Chiroptera and Eulipotyphla (Murphy *et al.*, 2001a, 2001b), which together are the sister-group of the Fereuungulata clade (Nikaido *et al.*, 2001, Van Valen, 1979, Feijoo and Parada, 2017: 79), in the supercohort Laurasiatheria (also represented by carnivores, pangolins, cetartiodactyls and perissodactyls) (Murphy *et al.*, 2001a, 2001b; Madsen *et al.*, 2001; Eizirik *et al.*, 2001; Scalley *et al.*, 2001; Nikaido *et al.*, 2001; Springer *et al.*, 2001; Nery *et al.*, 2012; Tsagkogeorga *et al.*, 2013; Foley *et al.*, 2016). On of the most recent reviews (Chen *et al.*, 2017: 1998) suggests a close relationship between Chiroptera and Perissodactyla. The relationship between these two is mentioned as "plausible" by Esselstyn *et al.* (2017: 2308). However, based on neural findings on 38 mammalian species and 82 characters, Dell *et al.* (2010: 177) still suggest a diphyletic origin of Chiroptera with Megachiropterans being a sister-group of the primates.

Studies using molecular techniques to investigate higher level relationships within Chiroptera have challenged the monophyly of Microchiroptera, as supported by morphological characters associated with laryngeal echolocation (see list of references in Simmons, 1994), and altered the traditional subordinal division of bats as Megachiroptera and Microchiroptera. Recent analyses of nuclear and mtDNA gene sequences (Teeling *et al.*, 2000; Springer *et al.*, 2001; Van Den Bussche *et al.*, 2002; Teeling *et al.*, 2002; 2003; Hoofer *et al.*, 2003; Hutcheon and Kirsch, 2004b; Teeling *et al.*, 2005; Eick *et al.*, 2005; Teeling *et al.*, 2000; Hahn and Nakhleh, 2015; Khwanmunee *et al.*, 2015; Amador *et al.*, 2016; Feijoo and Parada, 2017) now strongly support an alliance of megachiropterans and rhinolophoids (excluding Nycteridae) in one suborder, and all other microbats and nycteriids in the other suborder. Although these independent studies identified similar subordinal groups, Teeling *et al.* (2002; 2003; 2005), Springer *et al.* (2001), Amrine-Madsen *et al.* (2003) and Tsagkogeorga *et al.* (2013: 2263) named the two rearranged Chiropteran suborders as: “Yinpterochiroptera” (including Pteropodidae, Rhinolophidae - includes Hipposideridae, Megadermatidae, Craseonycteridae and Rhinopomatidae) [Springer *et al.*, 2001, also include Nycteridae in the Yinpterochiroptera] and “Yangochiroptera” (including Emballonuridae, Nycteridae, Noctilionidae, Mormoopidae, Phyllostomidae, Natalidae, Furipteridae, Thyropteridae, Myzopodidae, Vespertilionidae, Mysctacinidae, and Molossidae), whereas Hutcheon and Kirsch (2004b; 2006) and Eick *et al.* (2005: 1876), following the Principal of Typification (International Code of Zoological Nomenclature, 1999), named

the two Chiropteran suborders as: "Pteropodiformes" (including the Pteropodidae, Rhinolophidae, Hipposideridae, Megadermatidae, and Rhinopomatidae) and "Vespertilioniformes" (including Emballonuridae, Nycteridae, Noctilionidae, Mormoopidae, Phyllostomidae, Natalidae, Furipteridae, Thyropteridae, Myzopodidae, Vespertilionidae, Mystacinidae, Miniopteridae and Molossidae). These studies showing microbat paraphyly indicate that the complex suite of morphological innovations for nasal emission of laryngeal echolocation pulses found in rhinolophoid bats either evolved independently at least twice, or once with the subsequent loss in Pteropodidae (Simmons and Geisler, 1998; Springer *et al.*, 2001). This also has implications for the evolution of flight, where many features of flight and ventilation are either directly related or functionally correlated with echolocation (Teeling *et al.*, 2000). Hence, morphological characters previously suggested as synapomorphies of microchiropterans (e.g. features of the inner ear and post-cranial skeleton) have probably also evolved independently, together with the evolution of laryngeal echolocation (Teeling *et al.*, 2000).

Teeling *et al.* (2000: 190) suggest two additional considerations that support the hypothesis that rhinolophids and megabats are more closely related: First, a sister-group relationship between these two rather than between megabats and all other chiropterans, reduces the duration of the implied ghost lineage for megabats from the early Eocene to the late Eocene. Second, both groups have distributions that are restricted to the Old World.

The subdivision into suborders "Pteropodiformes" and "Vespertilioniformes" is also supported by cytogentic data (Volleth *et al.*, 2011: 518), as the order of sub-segments in the HSA 4 homologous segment differs between members of both suborders.

Contrary to an earlier suggestion that included Furipteridae, Natalidae, Thyropteridae, and Myzopodidae in the Rhinolophoidea clade (Simmons and Geisler, 1998), the recent molecular studies have confirmed an expanded superfamily, Noctilionoidea, which includes the families Noctilionidae, Furipteridae, Phyllostomidae, Mormoopidae, Mystacinidae, and Thyropteridae (Teeling *et al.*, 2002; Hoofer *et al.*, 2003; Van Den Bussche and Hoofer, 2004b; Teeling *et al.*, 2005; Eick *et al.*, 2005). However, placement of some families is still controversial, since the results of Teeling *et al.*, 2005) showed good support for the basal position of Myzopodidae within Noctilionoidae, while those of (Hoofer *et al.* (2003) did not placed Myzopoda within the Noctilionoidae, but rather in a basal position to all other “yangochiropterans”; Emballonuridae (OR EMBALLONUROIDEA?), Vespertilionoidea, Noctilionoidea. While Eick *et al.* (2005) also indicated Myzopodidae to be basal to the Vespertilionoidea, Noctilionoidea and Emballonuroidea (see figure 1 in Eick *et al.*, 2005: 1874), their finding apparently had no significant nodal support and alternative topologies could not be rejected by the data (Eick *et al.*, 2005).

The other superfamilies recognised by the molecular studies are the Rhinolophoidea (including the families Rhinolophidae, Megadermatidae, Craseonycteridae, and Rhinopomatidae), Emballonuroidea (including the families Emballonuridae and Nycteridae), and Vespertilionoidea (including the families Vespertilionidae, Molossidae, Natalidae, and Miniopteridae) (Eick *et al.*, 2005; Teeling *et al.*, 2005 [although no miniopterids were included in this study], Springer *et al.*, 2001; Hoofer *et al.*, 2003 [although no miniopterids were included in this study]). Springer *et al.* (2001) also recognised the superfamily Pteropodoidea.

Both Eick *et al.* (2005) and Teeling *et al.* (2005) also found similar sister taxa groups between the families, with Furipteridae and Noctilionidae (probably what was meant by Noctilionoidae in Eick *et al.* (2005)), and Nycteridae and Emballonuridae being sister taxa.

Many families can be diagnosed by unique morphological apomorphies and/or combinations of plesiomorphic and apomorphic features that strongly suggest monophyly (Miller, 1897; 1907; Hill, 1974a; Van Valen, 1979; Koopman, 1984b; 1994; Griffiths and Smith, 1991; Corbet and Hill, 1992; Griffiths *et al.*, 1992; Griffiths, 1994). The principal exception is Vespertilionidae, a diverse group that comprises between five and eight subfamilies in different classifications: Kerivoulinae, Miniopterinae, Murininae, Tomopeatinae, Vespertilioninae, Nyctophilinae (included within Vespertilioninae by Koopman (1994) and Volleth and Heller (1994)), Antrozoinae (named as a subfamily by Miller (1897) but subsequently included either within Nyctophilinae (e.g. Hill and Smith, 1984) or Vespertilioninae (e.g. Koopman, 1993a; 1994), and Myotinae (usually included as a tribe within Vespertilioninae (Koopman, 1994) but here raised to subfamily rank following the suggestion of Volleth and Heller (1994). The molecular work of Hoofer and Van Den Bussche (2003) suggested four subfamilies in the family Vespertilionidae: Vespertilioninae, Myotinae, Kerivoulinae and Murininae, with the subfamily Miniopterinae being elevated to family

level, Miniopteridae. However, the intron results of Eick *et al.* (2005) were not able to reject or support alternative hypotheses that Miniopteridae was the sister taxa of Molossidae, and not the sister taxa of Vespertilionidae.

Based on upper molar morphology, Fracasso *et al.* (2011: 422) propose the following tree structure: The Icaronycteridae is positioned at the base, followed by three clades: Yinochiroptera, Noctilionoidea, Yangochiroptera. Within the Yinochiroptera, the Emballonuridae form the basal node, followed by Rhinopomatidae, Nycteridae, Megadermatidae, Rhinolophidae, and Hipposideridae. The Yangochiroptera have a basic split-up between the Nataloidea (including the Myzopodidae [at the base], Thyropteridae, and Furipteridae) and the group formed by the Antrozoinae, Mystacinidae, Molossidae (including Molossinae and Tomopeatinae), and Vespertilionidae (as a poorly supported monophyletic group, including Myotinae, Miniopterinae, Kerivoulinae, and Murininae).

If the suggestion to follow the format proposed for standardization of nomenclature of higher taxa by Alonso-Zarazaga (2005) is accepted for renaming of the suborders, then the suggested typified name for the order would be, VESPERTILIONIFORMES, from the oldest generic name of Vespertilio Linnaeus 1758.

Zagorodniuk (2014: 8) uses an alternative hierarchy, which starts with the Superorder Chiroptera, which contains the order Vespertilioniformes (Chiroptera auct.), which itself contains two suborders: Vespertilionimorpha (Yangochiroptera) and Pteropodimorpha (Yingochiroptera).

Known Chiroptera families:
† **Aegyptonycteridae** Simmons, Seiffert and Gunnell, 2016
† **Necromantidae** Sigé, 2011
† **Philisidae** Sigé, 1985
† Icaronycteridae Jepsen, 1966
† Archaeonycteridae Revilliod, 1917
† Onychonycteridae Simmons, Seymour, Habersetzer and Gunnell, 2008
† Palaeochiropterygidae Revilliod, 1917
† Hassianycteridae Habersetzer and Storch, 1987
† Mixopterygidae Maitre, 2008
† **Tanzanycteridae** Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
Pteropodidae Gray, 1821
Hipposideridae Lydekker, 1891
Megadermatidae H. Allen, 1864
Rhinolophidae Gray, 1825
Rhinonycteridae J. E. Gray, 1866
Craseonycteridae Hill, 1974
Rhinopomatidae Dobson, 1872
Emballonuridae Gervais, 1855
Nycteridae Van der Hoeven, 1855
Myzopodidae Thomas, 1904
Mystacinidae Dobson, 1875
Phyllostomidae Gray, 1825
Mormoopidae Saussure, 1860
Noctilionidae Gray, 1821
Furipteridae Gray, 1866
Thyropteridae Miller, 1907
Natalidae Gray, 1866
Molossidae Gervais, 1856
Cistugonidae Lack, Roehrs, Stanley, Ruedi and Van den Bussche, 2010
Miniopteridae Dobson, 1875
Vespertilionidae Gray, 1821

Worldwide, six of the extant families (Pteropodidae, Rhinolophidae, Hipposideridae, Phyllostomatidae, Molossidae and Vespertilionidae) contain about 75 % of all species (see Shi and Rabosky, 2015: 1529).

COMMON NAMES:
Czech: letouni či netopýři, letaunowé, ptákossavci, upírové, letouni lysoblaní. Dutch: Vleermuizen. English: Bats. French: Chauves-souris. German: Fledermäuse. Italian: Chiròtreri, Pipistrèlli. isiXhosa: ilulwane, idludaka. Portuguese: Morcegos. Somalian: Fidmer, Fidmair, Auo-rnèr, Kibille, Kibillei, Kibil, Fid Mer, Sodan silli, Sod silli (see Lanza *et al.*, 2015: 13). Spanish (Castillian): Murcielagos. Tanoboase (Ghana): ampane (singular), mmpane (plural) (see Ohemeng *et al.*, 2017: 184). Twi (Ghana): apan (singular), mmpan (plural).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The paleontological record of the Chiroptera in Africa, as in the world, is generally incomplete (Butler, 1978).

The first bats appeared somewhere in the Mid- to Late Cretaceous (about 88.7 million years ago), and the diversification began at about 74.9 to 63 MYA (Bininda-Emonds *et al.*, 2007: 509; Lovegrove, 2011: 152). However, dos Reis *et al.* (2012: 3494) situate the origin of the Chiroptera at 59.1 MYA, hence: after the Cretaceous-Paleogene event. Yu *et al.* (2014: 2204) suggest that the Chiroptera have an Asian origin and that there was rapid adaptive radiation from the emergence of crown bats until the Early Eocene Climatic Optimum. This was followed by a decreased diversification between 49 and 35 MYA, and another period of high diversification between 35 and 25 MYA.

Gunnell *et al.* (2017: 18) indicate that the earliest

known bat fossiles came from Europe, India, North Africa and Australia (around 53 - 54 MYA), but they all represent archaic bat groups that have no clear phylogenetic connections with modern taxa. Modern familes of bats began to appear in the late early to middle Eocene of Europe and North Africa. They also pointed out (p. 1) that only 13 placental mammal genera first occurred in the middle to late Paleogene, of which six represented bats, including some extant genera belonging to both Yangochiroptera and Yinpterochiroptera.

The rapid diversification at the Paleocene-Eocene thermal maxiumum might have been the result of the large increase in insect abundance during that period (Eriksson, 2014: 175).

Springer *et al.* (2011: 2493) mention that the oldest bat fossils are from the Early Eocene of North America, and that further Early Eocene bats are also known from Europe, Africa and Australia. Most researchers seem to agree that bats originated in Laurasia, but some see Gondwana as the cradle for the Chiroptera. Teeling *et al.* (2005) [in Springer *et al.* (2011: 2493)] suggested North America or Laurasia as the ancestral area for bats, and Asia, Europe or Laurasia as the ancestral area for both Pteropodiformi (Yinpterochiroptera) and Vespertilioniformi (Yangochiroptera).

The oldest fossil bat described from Africa is: *Vampyravus* (= *Provampyrus*) *orientalis*, from the Oligocene of the Fayum (Egypt). However, in their abstract on an upper molar and two fragments of lower molars from El Kohol (Algeria), Ravel *et al.* (2010: 149) mention these belong to a member of the "Eochiroptera" (sensu Van Valen, 1979), dating back to the Early Eocene. Ravel *et al.* (2016: 359) indicate that these "Eochiroptera" cover six families (Onychonycteridae Simmons, Seymour, Habersetzer and Gunnell, 2008, Icaronycteridae Jepsen, 1966, Archaeonycteridae Revilliod, 1917, Hassianycteridae Habersetzer and Storch, 1987, Palaeochiropterygidae Revilliod, 1917, and Tanzanycteridae Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003), none of which are related to the current day families. The oldest of the current day families start to appear in the lower Eocene of Africa, whereas on the other continents they only appeared in the middle Eocene (and even in the upper Eocene of Australia). This points to the great importance of Africa during the first phase of the development of modern bats (Ravel *et al.*, 2016: 359).

Hildebrand *et al.* (2010: 268, 281) recorded unknown bat species from the Kumali and Koka sites in southern Ethiopia.

CONSERVATION STATUS:
Worldwide, Amori *et al.* (2013: 98) state that 177 out of 1,116 bat species reported by Wilson and Reeder (2005) or 15.39 % have an IUCN status of CR, E, or VU.

MAJOR THREATS:
Sherwin *et al.* (2012: 173) [referring to Ciechanowski *et al.*, 2007] indicate that aerial-hawking species are probably more sensitive to climatic changes as they are dependent of a food supply that is extremely variable in time as well as in space. This is less the case for species foraging above water surfaces, as they rely on stable and spatially concentrated food resources. "Water Stress" will become an important climatic change risk factor for species living in arid regions, as they depend on permanent water resources close to roosts (see Adams and Hayes, 2008 [in Sherwin *et al.* (2012: 173)]).

For southern Africa, Pio *et al.* (2014: 1543) predict that high concentrations of phylogenetic diversity (PD) will contract considerably by 2080, but that climate change will not result in higher nor lower PD losses, on average, compared to random extinction simulations. They also indicated (p. 1546) that the Kalahari will become very barren in terms of future surviving bat PD.

For the Mediterranean area, Maiorano *et al.* (2011: Table S2) predict that none of the presently occurring species will be extinct by the end of the century, but up to five of the Vespertilionid species might encounter a projected range loss of over 80 %. Between two and fifteen species will probably see a loss between 50 and 80 %, which will also be the case for four of the Rhinolophid species. Between four and eleven of the Vespertilionid species will encounter a loss of between 30 and 50 % of their range, which will also be the case for up to two of the Rhinolophid species. All bat families will contain species which will have a range loss of up to 30 %. One of the Hipposiderid species, one or both of the Rhinopomatid species, and one or two of the Vespertilionid species, however, will gain from the changing.

O'Shea *et al.* (2016) reviewed multiple mortality events in bats and identifed nineteen events for Africa: Intentional killing (n = 11), Biotic (n = 5), Accidental (n = 1), Wind Turbines (n = 1), Viral or bacterial disease (n = 1).

Some bat populations are killed to prevent them spreading viral diseases. However; Plowright *et al.* (2016: 16) mention that "culling bats may decrease spillover risk if transmission of the virus increases as population size increases (SIR

[susceptible-infectious-recovered] dynamics), whereas culling may increase spillover risk if pulses are driven by viral reactivation after stress (SILI [susceptible-infectious-latent-infectious] dynamics)."

BIOGEOGRAPHY:
Maas *et al.* (2015: 1086) indicate that the Afrotropics (roughly Africa south of the Sahara) is certainly not the most specious zoogeographical region (the Neotropics has 100 species more), but it has with 211 out of 237 species the highest percentage of endemics (89 %), versus 75 % in the second region (Neotropics).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Lucati and López-Baucells (2016: 117) provided a summary of chromatic disorders reported in bats and found that this character is underreported for Africa: Albinism (All-white hairs, pale skin and red eyes) is reported from five localities on the African continent and one in Réunion and Piedbaldism (All-white fur/skin patches, eyes always normally coloured) from two on the continent. Other disorders, such as Melanism (Increase in black or brown pigmentation on the whole body), Partial melanism (Increase in black or brown pigmentation on a part of the body), Leucism (All-white or whitish hairs, pale skin, eyes always normally coloured.) and Hypomelanism (Beige, golden, yellowish or reddish fur and skin, eyes always normally coloured) weren't reported from Africa at all.

Delmore *et al.* (2018: 127) studied the pigmentation of the tissues surrounding the testes and suggest that scrotal melanin may protect mature sperm from UV damage, and from oxidative damage in species with male sperm storage.

DETAILED MORPHOLOGY:
Bahlman *et al.* (2016: 118) provide a schematic overview of the wing joints and musculature of the various bat families.

FUNCTIONAL MORPHOLOGY:
Adams and Carter (2017) studied the climbing and walking locomotion of a number of Pteropodids and Vespertilionids and found fundamental differences. The Pteropodids had a far greater ability to climb in a head-up posture than the Vespertilionids, whereas the situation was quite the inverse when walking on the ground was compared. The Pteropodids behaved much more like other arboreal mammals (e.g. two-toed sloths - *Choloepus hoffmanni* Peters, 1858).

ECHOLOCATION:
Fenton (1994: 28) states "Echolocation profoundly affects the biology of bats, their behaviour and ecology and may have been central to their evolution".

MOLECULAR BIOLOGY:
The following statement has been made by Dell *et al.* (2013: 65): "So DNA sequence results in bats may have to be accepted with caution in view of the possibility that DNA is perhaps as susceptible to convergent evolution as morphological systems.", indicating that the results of these state-of-the-art techniques need to be interpreted with caution.

Dool *et al.* (2016a: 196) furthermore suggest: "We caution against the indiscriminate use of mtDNA in phylogenetic studies and advocate for pilot studies to select nuclear introns. The selection of marker type and number is a crucial step that is best based on critical examination of preliminary or previously published data. Based on our findings and previous publications, we recommend the following markers to recover phylogenetic relationships between recently diverged taxa (< 20 My) in bats and other mammals: ACOX2, COPS7A, BGN, ROGDI and STAT5A."

HABITAT:
Reardon and Schoeman (2017: 273) investigated the taxonomic and functional diversity of the assemblage structure of insectivorous bat communities along the Mount Nimba elevational gradient in view of rising global temperatures. They found that there was a taxonomic shift along the gradient, but that functionally, the assemblage remained largely intact.

In their study on the bat fauna of the southern African arid region, Monadjem *et al.* (2017a: 5) found that at a regional scale, landscape features might be more relevant for bats living in arid regions, as oposed to aridity gradients. They also found that open air foragers are restricted in the southern African arid region, although they could not determine the factor behind this. Furthermore, they were unable to determine the ecosystem services provided by bats in arid environment (as opposed to limiting pest insects in agro-ecosystems).

DIET:
Many bats feed on pest insects, e.g. stink bugs. Taylor *et al.* (2017a: 376) indicated that the percentage of Hemiptera in the diet of bats (at Levubu, RSA) varied between 6-20 % in *Nycteris thebaica* to 50 % in *Pipistrellus hesperidus*. They also calculated (p. 378) that the South African madacamia industry (covering about 25,000 ha) avoided a yearly cost between 56.81 and 138.91 USD/hectare as a result of this.

PREDATORS:
Black *et al.* (1979: 19) reported that the prey of a bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) observed in Zambia most likely consisted of *Cloeotis percivali, Rhinolophus simulator, Hipposideros caffer*, and *Nycteris thebaica*.

Mikula *et al.* (2016: Supplemental data) mention the following birds preying on unspecified bats: Frances's sparrowhawk (*Accipiter francesiae* Smith, 1834), Rufous-breasted sparrowhawk (*Accipiter rufiventris* Smith, 1830), Ovambo sparrowhawk (*Accipiter ovampensis* Gurney, 1875) [on large bat], Tawny eagle (*Aquila rapax* (Temminck, 1828)), Mountain buzzard (*Buteo oreophilus* Hartert and Neumann, 1914), African marsh harrier (*Circus ranivorus* Daudin, 1800), Sooty falcon (*Falco concolor* Temminck, 1825) [on insectivorous bats], African hobby (*Falco cuvierii* Smith, 1830), Dickinson's kestrel (*Falco dickinsoni* Sclater, 1864) [on small insectivorous bat], Taita falcon (*Falco fasciinucha* Reichenow & Neumann, 1895); Lilac-breasted roller (*Coracias caudata* Linnaeus, 1766) [on insectivorous bat], Brown-hooded kingfisher (*Halcyon albiventris* (Scopoli, 1786)) [on insectivorous bat], Woodland kingfisher (*Halcyon senegalensis* (Linnaeus, 1766)), Southern grey shrike (*Lanius meridionalis* (Temminck, 1820)), Gabar goshawk (*Micronisus gabar* (Daudin, 1800)), Green wood hoopoe (*Phoeniculus purpureus* (J.F. Miller, 1784)), Long-tailed hawk (*Urotriorchis macrourus* (Hartlaub, 1855)).

Tapanes *et al.* (2016: 405, 406) indicate that several primates prey on bats: *Pan paniscus* Schwarz, 1929 (Bonobo); *Papio anubis* (Lesson, 1827) (olive baboon, Anubis baboon); *Perodicticus potto* (Statius Müller, 1766) (Potto); *Cercopithecus mitis* Wolf, 1822 (Blue monkey) and a *C. mitis* x *C. ascanius* hybrid. These observations suggest an alternative pathway for bat-*Cercopithecus* disease transmission that has implications for zoonotic disease transmission to humans. Of the 13 bat predations they observed, three were on Pteropodidae and one on Molossidae. In four addional events, the bats were small (13 - 18 cm body length) and one large (ca. 50 cm wingspan).

ACTIVITY AND BEHAVIOUR:
Schoeman (2015: 122, 125) classified South African insectivorous bats in three functional urban groups (based on wing and echolocation characteristics and foraging and/or roosting characteristics):

1) **urban avoiders** - slow-flying bats that typically hunt prey in forests or dense vegetation and have specific roosting requirements such as obligate cave roosters (e.g. *Nycteris thebaica, Rhinolophus simulator*);

2) **urban adapters** - bats that forage mainly along forest edges and adjacent open areas, and readily utilize favorable conditions provided by humans, for example, forage at wastewater treatment plants and/or roost in man-made structures or plants in gardens (e.g. *Miniopterus natalensis, Neoromicia capensis, Neoromicia nana, Pipistrellus hesperidus/Hypsugo anchietai, Taphozous mauritianus*).

3) **urban exploiters** - fast-flying, open-air bats often recorded in urbanized landscapes that depend to a certain degree on urban resources such as houses that provide suitable roosting sites and can sustain large bat colonies (e.g. *Chaerephon pumilus, Mops condylurus, Otomops martiensseni, Scotophilus dinganii, Tadarida aegyptiaca*).

PARASITES:
HEMOSPORIDIA:
Perkins and Schaer (2016: 776) provide an overview of the malaria parasites of bats, which include nine genera, of which the most important ones are: *Hepatocystis, Polychromophilus, Nycteria*, and *Plasmodium* (the others are: *Bioccala*, Biguetiella*, Sprattiella*, Johnsprentia**, and *Dionisia* - *: not in Africa).

Killick-Kendrick (1973: 647) mentions *Plasmodium* (*Vinckea*) *voltaicum* Van Der Kaay, 1964 from a non-specified bat. Makanga *et al.* (2017: Suppl.) refers to an *Anopheles marshalli* infected with *Polychromophilus melanipherus*, which it could only have received from sucking blood of a bat.

TREMATODA
Richard (1966: 416) described *Acanthatrium (Acaisthatrium) houini* from an unidentified bat from Ranomafana (Madagascar).

HEMIPTERA
Cimicidae: *Loxaspis miranda* Rothschild 1912 from Gogrial, Sudan, but no host given (Haeselbarth *et al.*, 1966: 10). *Cacodmus ignotus* Rothschild 1912 described from a single female without locality data, and a subsequent collection is reported from Uganda (Haeselbarth *et al.*, 1966: 10). In the British Museum there are also specimens of *Cacodmus sparsilis* Rothschild 1914 from Pietermaritzbrug, South Africa, without host records (Haeselbarth *et al.*, 1966: 10). *Aphrania barys* Jordan and Rothschild 1912 described from Maseru, Lesotho, host is not known (Haeselbarth *et al.*, 1966: 11). *Aphrania recta* Ferris and Usinger 1957 described from Mutir, Uganda, and another record from Mabal, Congo, but hosts unknown (Haeselbarth *et al.*, 1966: 11-12).

Leptocimex boueti (Brumpt 1910) has been recorded from a few places in Guinea, the northern Gold Coast, Upper Volta, Dahomey and the former French Sudan, where it was found biting humans, the hosts are bats but no definite species (Haeselbarth *et al.*, 1966: 13). *Stricticimex antennatus* Ferris and Usinger 1957, found in the Cape Province, South Africa in caves at Bredasdorp and Three Sister's Rocks, the host-bat not recorded (Haeselbarth *et al.*, 1966: 14). *Strictimex brevispinosus* Usinger 1959, found in a cave near Lake Victoria, Urundi associated with unidentified bat (Haeselbarth *et al.*, 1966: 14). *Strictimex intermedius* Ferris and Usinger 1959, was recorded from a cave near Mombasa, Kenya, the host not recorded (Haeselbarth *et al.*, 1966: 14). *Stricticimex transverses* Ferris and Usinger 1957 was originally described from an unknown bat from Bloemfontein, South Africa (Haeselbarth *et al.*, 1966: 14).
Polyctenidae: *Eoctenes intermedius* (Speiser 1904) found on an unidentified bat in the Sudan (Haeselbarth *et al.*, 1966: 16). *Androctenes horvathi* Jordan 1912 described form an unidentified bat in Somalia (Haeselbarth *et al.*, 1966: 17).

DIPTERA
Streblidae: *Raymondia huberi* Frauenfeld 1856 from unidentified bat in the Rukwa Valley, Tanzania (Haeselbarth *et al.*, 1966: 102). *Raymondia setosa* Jobling 1930 collected from a "broad-eared bat" at Aden (Haeselbarth *et al.*, 1966: 104). *Raymondiodes leleupi* Jobling 1954 described form a poorly identified bat (*Hipposideros caffer* or *Miniopterus* sp.) from Thysville, Congo (Haeselbarth *et al.*, 1966: 104).
Shapiro *et al.* (2016: 255) indicates that Kessel (1925: 24) mentions *Raymondia lobulata* Speiser, 1900 "off *Megaderma lyra* from Ceylon, from bats in Madras and British Somaliland".
Nycteribiidae: *Nycteribia hoogstraali* Theodor 1957 from the Congo and Tanzania host unidentified (Haeselbarth *et al.*, 1966: 109). *Basilia meridionalis* Theodor 1956 host and exact locality not recorded from South Africa (Haeselbarth *et al.*, 1966: 111). *Basilia bouvieri* (Falcoz, 1924) originally described without exact locality (West Africa) or host (Haeselbarth *et al.*, 1966: 111). *Basilia glabra* Theodor 1957 from Aruwimi province in the Congo, but no host is given (Haeselbarth *et al.*, 1966: 112). *Dipseliopoda arcuata* Theodor 1955, collected from an unknown bat at Addis Ababa, Ethiopia (Haeselbarth *et al.*, 1966: 115).

When studying the Nycteribiid abundance on fruit bats and insectivorous bats, Luguterah and Lawer (2015: 4) found that fruit bats were much more infested than insectivorous bats. This could be the result of fruit bats being poorer in nitrogen, which leads to a lack of protein, which in turn inhibits the proper functioning of the immune system. Another explanation might be that insectivorous bats capture their prey on the wing and as such minimize contact with contaminated surfaces.

Szentivanyi *et al.* (2017: 182) found that bat fly species showed a higher diversity towards the equator, and also that bat species assigned to the IUCN LC category hosted a larger number of bat fly specimens than bats assigned to the VU category.

SIPHONAPTERA
Pulicidae: *Echidnophaga aethiops* Jordan and Rothschild 1906 host recorded as unidentified Chiroptera and locality not mentioned (Haeselbarth *et al.*, 1966: 135).
Ischnopsyllidae: *Dampfia grahami equatoris* Smit 1954 found on a 'small insectivorous bat' in the Kivu district of the Congo (Haeselbarth *et al.*, 1966: 187).

ARACHNIDA
Argasidae: Morel and Mouchet (1965: 492) report the presence of *Carios vespertilionis* Latreille, 1796 and *Carios boueti* Roubaud and Colas-Belcour 1933 on non-specified bats in Cameroun.

VIRUSES:
Luis *et al.* (2013, 2015) and O'Shea *et al.* (2014: 741) indicate that bats are more likely to be infected with more zoonotic viruses per host species than were rodents, and therefore adding weight to the suggestion that bats might in some way be unique as sources of emerging zoonoses. Luis *et al.* (2015) found that gregarious bats are more likely to share more viruses and regionally migrating bats are important for spreading viruses through the "viral sharing network". O'Shea *et al.* (2014: 742) also indicate that body temperatures of flying bats are elevated (in the range of typical fever temperatures), and they suggest that these daily high temperatures might arm bats against some pathogens during the early stages of infection. This hypothesis, however, was rejected by Schountz *et al.* (2017: 2) as fever response to a virus infection is much more complex than simply raising the body temperature. These authors also point to the "allways on" IFN (interferon) system and the immunoglobulin repertoires of bats.

Reusken and Heyman (2013: 99) [referring to Weiss *et al.* (2012b)] indicate that bats might be the primordial reservoir for the majority of viruses pathogenic to humans. Brierley *et al.* (2016: "5") report that - based on viral richness alone - the risk of bat-human virus sharing showed prominent hotspots in Central/South America, sub-Saharan

Africa, and parts of Southeast Asia.

The accounts below represent only viruses where the host (e.g. bat) is unknown. For further information see taxa accounts where the virus is associated with a particular taxon. Also see Chen *et al.* (2014: 1) for an online database on bat-associated viruses. Furthermore, Moratelli and Calisher (2015: suppl. Table II) provide an overview of bat host genera and their associated virus genera, and Young and Olival (2016: suppl. Table S2) provide details on species level for both bat hosts and viruses.

Astroviridae
From a study on 962 bats (*Hipposideros* cf. *ruber, Hipposideros gigas, Coleura afra, Miniopterus inflatus*, and *Rousettus aegyptiacus*) from Gabon, Rougeron *et al.* (2016: 386) found that bat astroviruses form a group that is genetically distinct from astroviruses infecting other mammals (including humans). These viruses also showed an important genetic diversity and low host restriction in bat species.

Bunyaviridae
Hantavirus
Gu *et al.* (2014: 1904) argue that primordial hantaviruses may have emerged in an early common ancestor for all bats as bat species hosting these viruses belong to both currently accepted suborders of the Chiroptera (Pteropodiformi [Hipposideridae + Rhinolophidae] and Vespertilioniformi [Nycteridae + Vespertilionidae]). This led Yanagihara *et al.* (2014: 9) to suggest that primordial hantaviruses may have infected an early common ancestor of bats. Yanagihara *et al.* (2014: 9) also indicate that the five known bat hantaviruses are among the most genetically diverse described to date.

Coronaviridae - Coronaviruses
Severe Acute Respiratory Syndrome-associated coronavirus (SARS-CoV or hu-SARS-CoV) - Balboni *et al.* (2012: 8) indicate that SARS-like CoVs have possibly originated in Africa as the viruses themselves has been found in several species of the genera *Hipposideros* and *Chaerephon*, and antibodies against SARS-CoV antigens have been found in *Hypsignathus, Lyssonycteris, Miniopterus, Mops, Myonycteris, Rhinolophus* and *Rousettus* species.

Specifically for Coronaviruses worldwide, Anthony *et al.* (2017b: 7) found that a large number of bat host species were not infected by these viruses, but they also remarked that none of these species were sampled extensively. They found that all species with sample sizes >110 individuals were positive for one or more CoVs, suggesting that CoVs may be detected in some of the negative species if sampling effort were increased. They also calculated (p. 9) that with 154 host individuals, an average of one CoV would be detected, and with 397 individuals, up to five CoVs would be detected. As they did not find any bat species with more than five viral sequence clusters, sampling 397 bats should capture all of the CoVs in a specific bat species.

Filoviridae - Filo viruses
Han *et al.* (2016) reported on traits that discriminate host and non-host (=filovirus-positive) bat species, and they provide a list of bat species most likely to be filovirus-positive on the basis of intrinsic trait similarity with known filovirus-positive bats (See also Sylla *et al.*, 2015).

In their study, Schuh *et al.* (2017c) point to the accumulating number of links between filovirus hemorrhagic fever (FHF) index cases and prior exposure to environments inhabited by bats.

Marburgvirus
Peterson and Holder, 2012: 1831) analyzed fifteen Marburg virus sequences from bats, and found no indication from the topology of the tree or the branch lengths that the bat-derived filoviruses represent a population distinct from viruses collected from human outbreaks. They suggest that bat sequences do not form a monophyletic group, nor are they associated with long or “deep” branches in the tree. This situation could indicate that the bats are the reservoir population, or that high gene flow exists between virus populations in bats and those in some other taxon (see Towner *et al.*, 2009). Given the short sequence lengths obtained from bat filovirus (about 302 nucleotides of the VP35 gene for most samples), it is also possible that Peterson and Holder, 2012: 1831) lacked the power to detect subtle evidence for population structuring. Thus, firm conclusions about gene flow between the "bat" filovirus populations and the true source of human infections will require more data.
Ebola virus
Most papers related to Ebola (e.g. Alexander *et al.*, 2015) do not provide any details on the bat species involved ("fruit bats", "possibly fruit bats") or refer to the "usual suspects" (*Myonycteris torquata, Hypsignathus monstrosus, Eidolon helvum*". Murray (2015: 802) indicates that the transmission of Ebola virus from bats to humans must be uncommon because the potential reservoir of Ebola virus is huge. Buceta and Johnson (2017) provide a model of the Ebola zoonotic dynamics suggesting a bidirectional coupling between the available resources and the dynamics of the bat population, and indicating that environmental pressure is the main driving force for bats'

migration. Based on the fact that the human sero-positive zone is wider than the distribution area of *M. torquata, H. monstrosus* and *E. franqueti*, Formella and Gatherer (2016: 3125) suggest that *E. helvum*, which has a wider distribution, may be involved. They also point out that some (early) Ebola outbreaks, which lie beyond the distribution range of the fruit bats, may have been overlooked.

A phylogenetic analysis, combined with phylogeographical data led Hassanin *et al.* (2016: 518) to conclude that only three bat species are able to disperse directly ZEBOV (Zaire Ebola) from the Congo Basin to Upper Guinea: *E. helvum, H. monstrosus*, and *R. aegyptiacus*.

de La Vega *et al.* (2015: 6) [referring to Biek *et al.* (2006)] indicate that the L gene of bat-derived EBOV showed that it could have recently experienced a genetic bottleneck-type event. Biek *et al.* (2006) proposed a number of scenario's, of which the first suggests that the bat population (around 1999 when the most recent common ancestor to all currently known Ebola viruses existed) decreased significantly, causing a reduction in the viral population size. A second scenario suggested that infected bats could have introduced EBOV in the region near Congo and Gabon circa 1999, and a final scenario is that the the fruit bat species identified by Leroy *et al.* (2005) is not the primary reservoir, and that EBOV was possibly introduced by another (bat) species.

Analysing the outbreak data and the distribution area of the various bat species, made Pigott *et al.* (2016: 2) select four species of bats as explaining more of the variation than the rest: *Hypsignathus monstrosus, Epomops franqueti* (from both of which Ebolavirus RNA has been isolated), *Otomops martiensseni* and *Epomophorus labiatus* (both identified through trait-based machine learning approaches as being similar to species already reporting filoviral infection, as suggested by Han *et al.* (2016)).

However, Leendertz (2016: 1) finds it questionable whether these viruses are circulating regularly in bat populations as both fruit and insectivorous bats have a long lifespan and can fly over large distances, which means that seropositive specimens could be sampled for a long period of time and at large distances from the place where they could have been exposed to the Ebolavirus. Furthermore, the various types of Ebola seem to be linked with different river basins, which do not form barriers for fruit bats. She furthermore suggests to look at insects (e.g. mayflies) as possible vectors. Additionally, Spengler *et al.* (2016: 958) point out that EBOV has yet to be isolated in nature from any bat species (or non-human primates). Furthermore, EFSA AHAW Panel (EFSA Panel on Animal Health and W (2017: 6) remark that natural shedding of the virus has not been reported and that the suspected links between bats and human outbreaks have not been confirmed and further research is necessary to confirm or identify reservoir species. A similar conclusion is drawn by Holmes *et al.* (2016: 198), who indicate that it is likely that other host species exist, which may have a major bearing on epidemiological dynamics.

Gale (2017: 1678) argues that although previous studies failed to detect the presence of EBOV in arthropods, these studies might not have included the correct arthropod species: "This is because filoviruses are not 'arboviruses' in the sense that arboviruses are transmitted in a defined cycle which alternates between the vertebrate host and the arthropod vector. Instead, filovirus transmission pathways appear to be more random in terms of host species. Indeed, if these arthropod species were the reservoir for EBOV, then EBOV would be an arbovirus with a vertebrate host defined by the host preference of the arthropod." If an arthropod is the intermediate host, then an insectivorous bat would rather be the host than any of the Pteropodids. Gale (2017: 1678) also indicates that the higher body temperature of the bat (40°C in *Mops condylurus*, compared to that of an arthropod, which is the ambient temperature) would activate the virus reproduction in the bat, and hence, its increased probablity to infect humans. However, the bats will still need to ingest a large quantity of the virus to start off with, but this could happen during an ephemeral mass emergence of mayflies.

Li *et al.* (2016: 127) also pointed out that as large quantities of bat meat are consumed every year, the virus must be very rare in its reservoir, otherwise more frequent outbreaks of the virus would be observed, which led them to the suggestion that strict restrictions on bushmeat are not recommended for local citizens.

Rhabdoviridae

Lyssavirus - Rabies related viruses

Munang'andu *et al.* (2011: 23) summarize rabies status in Zambia for the period 1985-2004, where only one single case is reported from an unidentified bat. See Adedeji *et al.* (2010) for an overview of the history, and epidemiology of rabies and rabies-like viruses.

DUV - In 2007 a bat flew against the face of a Dutch woman in Tsavo West National Park in Kenya. She noticed two superficial bleeding wounds. Twenty-three days after the incidence she presented herself with symptoms in a hospital

in the Netherlands and died of rabies. The virus was identified as Duvenhage virus (Van Thiel *et al.*, 2009).

UTILISATION:
Kamins *et al.* (2011b: S102) report that in southeastern Ghana nearly one half of the population may eat bats, although bats do not appear in other studies on wildlife meat markets.

ANTHROPOPHILOUS:
Willett (1988) discusses the use of bat symbols in West African art.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Egypt, Gabon, Kenya, Liberia, Madagascar, Malawi, Mauritius, Senegal, Somalia, South Africa, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

†Family AEGYPTONYCTERIDAE Simmons, Seiffert and Gunnell, 2016

*2016. *Aegyptonycteridae* Simmons, Seiffert and Gunnell, Am. Mus. Novit., 3857: 4, 8. Publication date: 9 May 2016. - Comments: Type genus *Aegyptonycteris* Simmons, Seiffert and Gunnell 2016.

TAXONOMY:
The supra-familial relationships for this family are yet unknown.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
These fossil bats have a late Eocene (Priabonian, ca. 37 Mya) age.

†Genus ***Aegyptonycteris*** Simmons, Seiffert and Gunnell, 2016

*2016. *Aegyptonycteris* Simmons, Seiffert and Gunnell, Am. Mus. Novit., 3857: 6, 8. Publication date: 9 May 2016. - Etymology: From *Aegyptus*, Latinized Greek for "Egypt," and nycteris, Greek for "bat." The genus name refers to the country in which this new taxon was discovered (Simmons *et al.*, 2016: 8).

†***Aegyptonycteris knightae*** Simmons, Seiffert and Gunnell, 2016

*2016. *Aegyptonycteris knightae* Simmons, Seiffert and Gunnell, Am. Mus. Novit., 3857: 6 8, figs 3 - 5. Publication date: 9 May 2016. Type locality: Egypt: Western Desert: Fayum Depression, Birket Qarun Formation: Fayum Quarry BQ-2: 23 m level [Goto Description]. Holotype: CGM 83740:. fragment of right maxilla with M2 and M3 (see: Simmons *et al.*, 2016: 8). - Etymology: Named in honour of Mary Knight, Managing Editor of the American Museum of Natural History Scientific Publications, in recognition of the enormous contributions she has made to dissemination of the results of scientific research over the years, as well as her lifelong devotion to the people and culture of Egypt (Simmons *et al.*, 2016: 8).

COMMON NAMES:
Dutch: Knight's Egyptische vleermuis. English: Knight's Egyptian bat

†Family NECROMANTIDAE Sigé, 2011

*2011. *Necromantidae* Sigé, Bull. Soc. Hist. Nat. Toulouse, 147: xxx.. - Comments: Type genus †*Necromantis* Weithofer, 1887.

†Genus ***Necromantis*** Weithofer, 1887

1888. *Necromanter* Lydekker, Zool. Rec., London, 71 - 56 [for 1887].
*1888. *Necromantis* Weithofer, Sber. Akad. Wiss. Wien, math. naturw. Kl., 96 (1) 5: 353 (for 1887).

1903. *Necronycteris* Palmer, Science, N.S. 17: 873.. Publication date: 29 May 1903.

†***Necromantis fragmentum*** (Ravel, 2016)

*2016. *?Necromantis fragmentum* Ravel, in: Ravel et al., Geodiversitas, 38 (3): 356, 363, figs 4, 5. Publication date: 30 September 2016. Type locality: Tunisia: Kassérine province: Djebel Chambi National Park: Chambi [35 14 03 N 08 45 29 E, 630 m] [Goto Description]. - Etymology: From the Latin "fragmentum" meaning fragment or debris, referring to the fragmented character of the material attributed to this species (see Ravel *et al.*, 2016: 364).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS: Timeframe: Late lower Eocene to early middle Eocene.

SUBORDER PTEROPODIFORMI Van Cakenberghe, Kearney and Seamark, 2007

1821. *FRUCTIVORAE* Gray, 299. - Comments: Named at ordinal rank.
1855. *FRUGIVORA* Giebel, 991.
1866. *Pterocynes* Haeckel, clx. - Comments: *Nomen oblitum*.
1875. *MEGACHIROPTERA* Dobson, 346. - Etymology: From the neuter plural scientific Latin substantive made up of the Greek adjective "*μέγα*" (mega) "big" and chiroptera, i.e. "big Chiroptera", in opposition to Microchiroprera ("small chiroptera") (see Lanza *et al.*, 2015: 18).
1875. *MICROCHIROPTERA* Dobson, 346. - Comments: In part. - Etymology: From neuter plural scientific Latin substantive made up of the Greek adjective "*μικρός*" (mikrós) meaning "small" and chiroptera, in opposition to Megachiroptera ("big Chiroptera") (see Lanza *et al.*, 2015: 18).
2001. *YINPTEROCHIROPTERA* Springer, Teeling, Madsen, Stanhope, and De Jong, Proc. Natl. Acad. Sci. USA, 98 (11): 6423. - Comments: In part.
2004. *PTEROPODIFORMES* Hutcheon and Kirsch, J. mamm. Evolut., 11 (1): ???.
*2007. *PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, African Chiroptera Report. Publication date: July 2007. - Comments: The name of the suborder is based on *Pteropus* Brisson, 1762 (type of Pteropodidae Gray, 1821). (Current Combination)
2014. *Pteropodimorpha* Zagorodniuk, Proc. Theriol. School, 12: 8.

TAXONOMY:
The suborder name follows the typified name used by Hutcheon and Kirsch (2004b, 2006), but with the ending changed to follow the format proposed for standardization of nomenclature of higher taxa by Alonso-Zarazaga (2005). '-formes' indicates ordinal level, while ending '-formi' indicates subordinal level.

Ao *et al.* (2007: 257) provide the first cytogenetic signature rearrangement that supports the grouping of Pteropodidae and Rhinolophoidea in a common clade (i.e. Pteropodiformes or Yinpterochiroptera).

In their phylogenetic study on *Bartonella*, McKee *et al.* (2016: 390) estimated the posterior state transition rate for *gltA* sequences in this bacterium and found a very high median rate between the superfamilies Pteropoidea and Rhinolophoidea (2.77) and between the families Pteropodidae and Rhinolophidae (2.32).

Currently two Infraorders are recognized within the suborder PTEROPODIFORMI from Africa: **PTEROPODIFORMACEI** Van Cakenberghe, Kearney and Seamark, 2007 and **RHINOLOPHIFORMACEI** Van Cakenberghe, Kearney and Seamark, 2007.

COMMON NAMES:
Czech: kaloňotvaří.

MOLECULAR BIOLOGY:
Volleth (2010: 308) reports the detection of two cytogenetic characters serving as synapomorphies for Pteropodiformi (i.e. Rhinolophoidea plus Pteropodidae), and indicates that the cytogenetic basis is a small paracentric inversion hardly detectable with banding techniques, but clearly detectable with FISH (fluorescence in-situ hybridization) techniques.

VIRUSES:
Osborne *et al.* (2011: 8) indicate that "Yinpterochiroptera" [=Pteropodiformi] is the only suborder in which Betacoronaviruses are found, but they indicate that their conclusion might be biased as they only examined a subset of species of the New World, where no representatives of this suborder are occurring.

INFRAORDER PTEROPODIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007

*2007. *PTEROPODIFORMACEI* Van Cakenberghe, Kearney and Seamark, African Chiroptera Report. Publication date: July 2007. - Comments: The name of the Infraorder is based on *Pteropus* Brisson, 1762 (type of Pteropodidae Gray, 1821). (Current Combination)

TAXONOMY:
Currently only a single superfamily is recognised within the infraorder PTEROPODIFORMACEI: **PTEROPODOIDEA** Gray, 1821.

Superfamily PTEROPODOIDEA Gray, 1821

*1821. *PTEROPODOIDEA* Gray. - Comments: The name of the superfamily is based on *Pteropus* Brisson, 1762 (type of Pteropodidae Gray, 1821). (Current Combination)
2008. *Pteropoidea* Serra-Cobo, López-Roig, Bayer, Amengual and Guasch, Ratpenats. Ciència i mite., 31.

TAXONOMY:
Known families of the superfamily PTEROPODOIDEA: **PTEROPODIDAE** Gray, 1821.

COMMON NAMES:
Czech: kaloňovci, kaloni.

Family PTEROPODIDAE Gray, 1821

1821. *Cephalotidae* Gray.
1821. *Pteropidae* Gray, London Med. Repos., 15: 299. Publication date: 1 April 1821.
*1838. *PTEROPODIDAE* Bonaparte, Syn. Vert. Syst., in Nuovi Ann. Sci. Nat., Bologna, 2: 111. - Comments: Type genus: *Pteropus* Erxleben, 1777. (Current Combination)
1842. *Harpyidae* H. Smith.

TAXONOMY:
The taxonomy of the Pteropodidae follows that of Bergmans (1988, 1989, 1991, 1994, 1997) and Simmons (2005: 313 - 350).

Corbet and Hill (1992: 55) refer to Handley (1980) for a discussion on the correct formation of the family name.

Between two and six subfamilies of Pteropodidae have been recognized (Simmons, 2005: 313) including: Cynopterinae K. Andersen, 1912, Epomophorinae K. Andersen, 1912, Harpionycterinae Miller, 1907, Nyctimeninae Miller, 1907, Macroglossinae Gray, 1866, Rousettinae Andersen, 1912, and Pteropodinae Grey, 1821 (Bergmans, 1997; Corbet and Hill, 1980, 1991, 1992; Hill and Smith, 1984; Koopman, 1993a, 1994; McKenna and Bell, 1997).

Recent phylogenetic studies agree that Macroglossinae and Pteropodine *sensu* (Koopman, 1993a, 1994; McKenna and Bell, 1997) are not monophyletic (Álvarez *et al.*, 1999; Giannini and Simmons, 2003; Hollar and Springer, 1997; Hood, 1989; Juste B. *et al.*, 1997; Kirsch *et al.*, 1995; Romagnoli and Springer, 2000; Springer *et al.*, 1995). Monophyly of cynopterines and empomophorines has also been questioned (Álvarez *et al.*, 1999; Hollar and Springer, 1997; Kirsch *et al.*, 1995; Romagnoli and Springer, 2000). Phylogenetic studies based on DNA hybridization and DNA sequences have found support for a large clade of endemic African taxa including genera previously placed in several different subfamilies/tribes based on traditional taxonomic groupings (Álvarez *et al.*, 1999; Giannini and Simmons, 2003; Hollar and Springer, 1997; Kirsch *et al.*, 1995; Romagnoli and Springer, 2000). Relationships among pteropodid genera are not yet fully resolved, however, and questions remain concerning the position of *Nyctimene*; *Paranyctimene*, *Eidolon*, and several SE Asian endemic genera (Simmons, 2005) . Based on a phylogenetic study of newly generated sequences of four nuclear loci, Almeida *et al.* (2011b: 86) found a basal split of Pteropodidae into 7 (maybe 8) main clades, but the relationships between them are not well resolved. The analyses performed by Almeida *et al.* (2011a: 7) revealed six principal clades and one independent lineage (for *Eidolon*). Some of their principal clades agree with previously proposed subfamilies: Cynopterinae, Harpyionycterinae, and Nyctimeninae. The other clades agree with Macroglossini, Epomophorinae + Rousettini, and Pteropodini + *Melonycteris*. Almeida *et al.* (2016: 73) recognize four main African clades: *Eidolon*, Scotonycterini (including the genera *Casinycteris* and *Scotonycteris*), African *Rousettus* (with three species) and the previously identified 'endemic African clade' (with nine genera: (*Stenonycteris, Plerotes, Myonycteris, Megaloglossus, Hypsignathus, Nanonycteris, Epomops, Epomophorus*, and *Micropteropus*), and suggest that a new classification on subfamilial and tribal levels is probably needed.

Simmons (2005: 313) suggests the relationships among the pteropodid genera are not yet fully resolved, and no subfamilial or tribal groups were recognized pending a thorough reevaluation of pteropodid classification.

Almeida *et al.* (2016: 83) provide the following classification: Harpyionycterinae (including the genera *Dobsonia, Aproteles, Boneia, Harpyionycteris*, Rousettinae (including the tribes Rousettini (*Rousettus*), Eonycterini (*Eonycteris*), Scotonycterini (*Scotonycteris, Casinycteris*), Epomophorini (*Epomophorus, Epomops, Hypsignathus, Nanonycteris, Micropteropus*), Stenonycterini (*Stenonycteris*), Myonycterini (*Myonycteris* (incl. *Lissonycteris*), *Megaloglossus*), and Plerotini (*Plerotes*)), and Eidolinae (*Eidolon*).

Hassanin *et al.* (2016: 521) indicate that two subfamiles occur in Africa: Pteropodinae (with one genus: *Eidolon*) and Rousettinae. The latter subfamily is subdivided in three tribes: Scotonycterini (*Scotonycteris* and *Casinycteris*), Rousettini (*Rousettus*), and Epomophorini, which is further divided in four subtribes: Epomophorina (*Epomophorus, Epomops, Hypsignathus, Micropteropus*, and *Nanonycteris*), Myonycterina (*Myonycteris* and *Megaloglossus*), Plerotina (*Plerotes*), and Stenonycterina (*Stenonycteris*). They also estimate that the three tribes diversified about 7 - 8 Mya. They also indicate (p. 524) that this family has its origin in Southeast Asia, which is supported by: **1)** More than half of the species (94) are found in this region, **2)** The highest species density is found on the islands of Sumatra, Borneo and Sulawesi, **3)** the oldest fossil of fruit bats has been described in the Late Eocene/Early Oligocene of Thailand, and **4)** The molecular analyses indicate that all African species have a derived position with respect to their congeners from Asia and Oceania.

Currently recognized genera of Pteropodidae: *Acerodon* Jourdan, 1837, *Aethalops*, Thomas, 1923, *Alionycteris* Kock, 1969, *Aproteles* Menzies, 1977, *Balionycteris* Matschie, 1899, ***Casinycteris*** Thomas, 1910, *Chironax* K. Andersen, 1912, *Cynopterus* F. Cuvier, 1824, *Desmalopex* Miller, 1907, *Dobsonia* Palmer, 1898, *Dyacopterus* K. Andersen, 1912, ***Eidolon*** Rafinesque, 1815, *Eonycteris* Dobson, 1873, ***Epomophorus*** Bennett, 1836, ***Epomops*** Gray, 1870, *Haplonycteris* Lawrence, 1939, *Harpyionycteris* Thomas, 1896, ***Hypsignathus*** H. Allen, 1861, *Latidens* Thonglongya, 1972, *Macroglossus* F. Cuvier, 1824, *Megaerops* Peters, 1865, ***Megaloglossus*** Pagenstecher, 1885, *Melonycteris* Dobson, 1877, ***Micropteropus*** Matschie, 1899, *Mirimiti* Helgen, 2005, ***Myonycteris*** Matschie, 1899, ***Nanonycteris*** Matschie, 1899, *Neopteryx* Hayman, 1946, *Notopteris* Gray, 1859, *Nyctimene* Borkhausen, 1797, *Otopteropus* Kock, 1969, *Paranyctimene* Tate, 1942, *Penthetor* K. Andersen, 1912, ***Plerotes*** K. Andersen, 1910,† Propotto Simpson, 1967, *Ptenochirus* Peters, 1861, *Pteralopex* Thomas, 1888, ***Pteropus*** Brisson, 1762, ***Rousettus*** Gray, 1821, ***Scotonycteris*** Matschie, 1894, *Sphaerias* Miller, 1906, *Stenonycteris* Gray, 1870, *Styloctenium* Matschie, 1899, ***Syconycteris*** Matschie, 1899, *Thoopterus* Matschie, 1899.

COMMON NAMES:
Czech: kaloňovití, upírové, létací psi, bejložraví netopýři, létací lišky. Dutch: Grote fruitvleermuizen, Vliegende honden. English: Old World Fruit bats. Finnish: Hedelmälepakot. French: Prétopodidés. German: Flughunde, Flederhunde. Italian: Pteropòdidi; Pteròpidi. Norwegian: Flyvende hunder, kalong. Russian: Крылановые Vietnamese: Họ032\100\ơi qụa.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Gunnell and Simmons (2013: 63) indicate that fossil records for Pteropodid bats are extremely poor. There are hardly any records older than Late Pleistocene-Holocene, although molecular data suggest that Pteropodids diverged from other bats no later than in the Early Eocene (ca. 50 million years ago). They suggest that this is probably due to the fact that most of the Pteropodid fossils are concidered to be from Primates rather than from bats.

The family's stem and crown ages were reported by Shi and Rabosky (2015: 1537) to be respectively 56.6 and 40.2 mya.

Foley *et al.* (2014: 320) indicate that the Rhinolophoidea and Pteropodidae diverged approximately 59 Ma.

DETAILED MORPHOLOGY:
Dentition - See Adeniyi *et al.* (2010).
Tongue - Morphological studies on the tongue structure of Old World fruit bats suggest that these bats are highly adapted to fruit and nectar diets and are able to change between a fruit and nectar diet when their preferred food is not available (Morrison, 1980; Birt *et al.*, 1997). Old World fruit bat species possess filiform papillae at the tip of the tongue, which is thought to increase the surface area for nectar collection (Birt *et al.*, 1997). Filiform papillae increase the gripping of food on the tongue surface, thus efficiently moving food toward the pharynx (Birt *et al.*, 1997). Bats feeding on fruit also have a large tongue surface area, but generally lack tongue tip filiform papillae, and possess tridentate papillae (Birt *et al.*, 1997). Tridentate papillae are thought to be valuable

when piercing through the skin of soft fruits (Birt *et al.*, 1997). Morrison (1980) suggested that fruit bats have a widened tongue and consequently larger tongue surface area that is used to squeeze fruit against the hard upper palate, thus releasing fruit juices.
See also Adeniyi *et al.* (2010).

SEXUAL DIMORPHISM:
Dobson (1873: 251) suggests that the hairs of the male's epaulettes of the Epomophori are long due to glandular excretions, similar to beard of male *Taphozous melanopogon*. The different colour, however, can (probably) not be explained by this.

ECHOLOCATION:
Although the use of clicking sounds as means of echolocation by *Rousettus aegyptiacus* has become well accepted over the past few years, Boonman *et al.* (2013a: 23) showed that this type of clicks were also produced by representatives of other genera they investigated: (*Eonycteris, Cynopterus* and *Macroglossus*, which convinced Boonman *et al.* (2013a) that the use of echolocation is more widely distributed than previously believed.

Boonman *et al.* (2014: 2962) provided evidence that suggests that all Old World fruit bats can produce clicks with their wings, resulting in a rudimentary echolocation system.

DIET:
In their study on figs as resources for tropical frugivorous vertebrates, Gautier-Hion and Michaloud (1989: 1826) concluded that these fruits are occurring in such distant patches, that only large frugivorous bats can use them as staple food.

Pettersson *et al.* (2004: 166) state that African pteropodid bats apparently feed more commonly from nectar sources visually observable from above the canopy (as compared with pollinating species from the New World). They also suggest that the absence of sulphur compounts in the floral scent of West African *C. pentandra* (as opposed to South-America) is the result of the different selective regimes of the pollinating bats.

Djossa *et al.* (2015: 286) found that the baobab tree (*Adansonia digitate* L.) needs pollinators (= fruit bats) to reach its optimal pollination success. They also concluded that the involvement of fruit bats is beneficial as they travel over long distances, which may help conserve the genetic diversity of this plant species, especially keeping in mind that the baobab tree is a multipurpose socioeconomically relevant plant for Sub-Saharan African rural communities.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) report the following birds predating on "Pteropodidae": Chestnut-flanked sparrowhawk (*Accipiter castanilius* Bonaparte, 1853), Little sparrowhawk (*Accipiter minullus* (Daudin, 1800)), Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850), African harrier-hawk (*Polyboroides typus* Smith, 1829), Crowned eagle (*Stephanoaetus coronatus* (Linnaeus, 1766)).

PARASITES:
Fain (1994: 1279) indicated that the Pteropodidae are hosts for two or three genera of Myobiidae: *Binuncus* (with subgenus *Probinuncus*) including 19 species of which 18 occur on Pteropodinae only, and one on Macroglossinae. The second genus is *Pteropimyobia* with five species of which 3 live on Macroglossinae and two on Nyctimeninae. The third genus - *Ugandobia* - contains nine species occuring on Emballonuridae and one species each occurring on Hipposideridae (*U. euthrix*) and on Pteropodinae (*U. balionycteris*). However, he believes that these two latter species were reported from the wrong host species due to "contamination of museum jars". Fain (1994: 1280) also mentions that the Myobiidae found on Megachiroptera are more evolved than those found on the Microchiroptera, indicating that the Myobiidae have probably originated on a primitive genus of the Microchiroptera and subsequently have passed to the Megachiroptera. He also reported this as peculiar since mites belonging to the Mesostigmata and Sarcoptidae are more primitive on Megachiroptera than on Microchiroptera.

HEMIPTERA
Cimicidae: Haeselbarth *et al.* (1966: 8) recorded *Afrocimex leleupi* Schouteden 1951 from fruit-bats in the "Grotte de Kakontwe" and "Grotte Dufrenne", Katanga, DRC.

DIPTERA
Streblidae: *Ascodipteron semirasum* Maa 1965 from a fruit bat in Kenya (Haeselbarth *et al.*, 1966: 106).

VIRUSES:
Nesi *et al.* (2012: 126) suggest that the high nucleotide distance between Ebola virus Côte d'Ivoire and Ebola virus Zaire can be correlated with the Plio/Pleistocene divergence between their putative reservoir host species, i.e., *Myonycteris leptodon* and *Myonycteris torquata*, respectively.

Akani *et al.* (2015: 614 - 615) state "... the first Ebola outbreak in Guinea in 2014 occurred in a site where there was recent deforestation due to

the planting of massive oil palm plantations (Wallace *et al.*, 2014), exactly as it also occurred in the Democratic Republic of Congo in 2007 (see Leroy *et al.*, 2009). Therefore, it is likely that there is a direct noncasual link between oil palm plantations, fruit bats and Ebola outbreaks (Wallace *et al.*, 2014). Fruit bats may shift from using rainforest to utilizing oil palm plantations as foraging grounds once the forests became disturbed, especially where plantations are adjacent to rainforest patches. The intensified use of oil palm plantations by fruit bats may be due to the high food resource available due to the palm fruits"
[**Note** (26 July 2015): As far as the editors are aware, no proof has yet been provided that fruit bats are indeed the culprits.]

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Burkina Faso, Central African Republic, Gabon, Ghana, Kenya, Madagascar, Senegal.

Subfamily Eidolinae Almeida, Giannini and Simmons, 2016

*2016. *Eidolinae* Almeida, Giannini and Simmons, Acta Chiropt., 18 (1): 83, 84. Publication date: June 2016 [Goto Description].

TAXONOMY:
This subfamily was created by Almeida *et al.* (2016: 84) to distinguish monophyletic groups within the Pteropodidae.

Currently recognized genera of Eidolinae: *Eidolon* Rafinesque, 1815.

Genus ***Eidolon*** Rafinesque, 1815

*1815. *Eidolon* Rafinesque, Analyse de la Nature, 45. - Comments: Type species: *Pteropus stamineus* E. Geoffroy Saint-Hilaire, 1803 (= *Vespertilio vampyrus helvus* Kerr, 1792). - Etymology: From the Greek "*ειδωλον*", meaning "image" or "phantom", evidently in allusion to its movements (see Palmer, 1904: 252; DeFrees and Wilson, 1988: 4). (Current Combination)

1862. *Pterocyon* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 1861: 423. - Comments: Type species: *Pterocyon paleaceus* Peters, 1861 (=*Vespertilio vampyrus helvus* Kerr, 1792). - Etymology: From the Greek "*πτερόν*", meaning wing and "*κύων*", meaning dog (see Palmer, 1904: 595).

1881. *Leiponyx* Jentink, Notes Leyden Mus., 3 (15): 60. Publication date: April 1881 [Goto Description]. - Comments: Type species: *Leiponyx büttikoferi* Jentink, 1881 (=*Vespertilio vampyrus helvus* Kerr, 1792). - Etymology: From the Greek "*λείπω*", meaning to leave or to be wanting and "*ονυξ*", meaning claw, referring to the absence of a claw on the index finger (see Palmer, 1904: 367).

1882. *Liponyx* Forbes, Zoological Record, 18 Mamm.: 13 (for 1881). - Comments: Emendation of *Leiponyx* Jentink, 1881. Preoccupied by *Liponyx* Vieillot, 1816; a bird (see Andersen, 1912b: 2; Meester *et al.*, 1986: 27). (Emendation)

TAXONOMY:
Revised by Bergmans (1991). See Simmons (2005: 320).

Almeida *et al.* (2011a: 11) suggest that *Eidolon* should be included in a subfamily of its own.

Known species of *Eidolon*: ***dupreanum*** (Pollen, 1866); ***helvum*** (Kerr, 1792).

COMMON NAMES:
Czech: plaví kaloni. English: Straw-coloured Fruit-bats, Eidolon fruit bats. French: Roussettes des palmiers. German: Palmenflughunde. Italian: Èidoli, Ptèropi fantasrna.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Shi *et al.* (2014: 285) refer to Howell and Coppens (1974), who reported the only fossil record for *Eidolon* from the Pliocene (ca. 3 mya) of Ethiopia. They also indicate (p. 279) that the two taxa (*helvum* and *dupreanum*) diverged in the mid-to-late Miocene. Almeida *et al.* (2016: 85) place the origin of the genus in the Miocene or Oligocene.

VIRUSES:
Flaviviridae
Luis *et al.* (2013: suppl.) mention the following Flaviviridae from "*Eidolon*": Entebbe bat virus, Uganda S virus, Usutu virus, West Nile virus, Yellow fever virus, and Zika virus.

Togaviridae
Alphavirus - (Luis *et al.*, 2013: suppl.) mention "from *Eidolon*".
Chikungunya virus - (Luis *et al.*, 2013: suppl.) mention "from *Eidolon*".

Eidolon dupreanum (Schegel, 1867)

*1867. *Pteropus dupréanus* Schlegel, in: Schlegen and Pollen, Proc. zool. Soc. Lond., 1866, III: 419. Publication date: April 1867. Type locality: Madagascar: Nossi Bé island [ca. 13 20 S 48 15 E] [Goto Description]. - Comments: Andersen (1912b: 8) mentions two cotypes in the Leyden Museum collected by Fr. Pollen and C.C. van Dam (see Schlegel, 1867: 419).
2014. *Eidolon duprenum:* Gunnell, Simmons and Seiffert, PLoS ONE, 9 (2): e86712: 3. Publication date: 4 February 2014. (Lapsus)
? *Eidolon dupreanum:* (Name Combination, Current Combination)
? *Eidolon helvum dupreanum:* (Name Combination)

TAXONOMY:
Koopman (1993a: 140) mentioned Schlegel, 1867 as author, but Allen (1939a: 54), Peterson *et al.* (1995: 22) and Russ *et al.* (2001) mention Pollen, 1866, in Schlegel and Pollen, Proc. Zool. Soc. Lond., 1866: 419. Meester *et al.* (1986: 28), DeFrees and Wilson (1988: 1) mention Schlegel and Pollen, 1867 as authors, but in the references of the latter only Schlegel is mentioned as author. Reviewed by Bergmans (1991) and Peterson *et al.* (1995). See Simmons (2005: 321 and comments under *E. helvum* pg. 321).

COMMON NAMES:
Czech: kaloň malgašský. English: Madagascan Straw-coloured Fruit-bat, Madagascan Fruit Bat, Malagasy Straw-colored Fruit Bat. French: Roussette des palmiers malgache, Roussette malgache couleur paille, Roussette jaune de Madagascar. German: Madagaskar-Palmenflughund. Malagasy: Angavo.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Samonds (2007: 43) found samples in deposits dated at 10,000 yrs old or younger from within the Anjohibe cave, Madagascar. Gunnell *et al.* (2014: 3) also refer to Goodman and Jungers (2013), who report material from the Andrahomana cave.

CONSERVATION STATUS:
Global - This species is listed as Vulnerable (VU A2ad ver 3.1 (2001)) because it is estimated to have undergone a decline exceeding 30% over the past 20 years mainly from extreme pressure from hunting, causing it to abandon roosts, with known examples of local extirpation of roosts sites (Andriafidison *et al.*, 2008b; IUCN, 2009).
Assessment History -
2008 - VU A2ad ver 3.1 (2001) (Andriafidison *et al.*, 2008b; IUCN, 2009). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is subject to harvesting for bushmeat across its range and hunting occurs both at roosting and foraging sites (Jenkins and Racey, 2008). It is classed as a game species under Malagasy law and although it can only be legally hunted between the first of May and the first of September (Anonymus, 2007b: 6; Durbin, 2007; Randrianandrianina *et al.*, 2010: 412), this legislation is widely ignored and the bats are hunted throughout the year. Its roosts tend to be well protected from bushfires and it is able to survive in landscapes with severely depleted natural food supplies as long as alternative plants are available (Ratrimomanarivo, 2007). Hunting is therefore the main threat and was reported to account for a 30% desertion rate from 60 roosts (MacKinnon *et al.*, 2003). Although hunters report that deserted roosts are recolonized after a few years, there are several confirmed examples where this species has been extirpated at roost sites (MacKinnon *et al.*, 2003).

Randrianandrianina *et al.* (2010: 413) observed that at least 14 *E. dupreanum* specimens were captured each night at fruiting voandelaka tree (*Molinaea* sp.).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008b) [in IUCN (2009)] report this species is known from a number of protected areas (Goodman *et al.*, 2005a) including, Parc National d'Isalo, Parc National de Namoroka, Réserve Spéciale d'Ankarana and Réserve Spéciale de Cape Sainte Marie; however, hunting has been reported from within Réserve Spéciale d'Ankarana (Cardiff, 2006). Fernández-Llamazares *et al.* (2018: 273), similarly, reported hunting in and outside the Tsimanampetsotsa National Park, even in sacred caves. Roosts that are located in inaccessible rock outcrops pose significant challenges to hunters are relatively protected. Cave roosts are probably subject to

highest hunting pressure and conservation measures should be focused at these sites (Andriafidison *et al.*, 2008b; IUCN, 2009).

Additional research is needed on natural history and in particular roosting ecology and movements (Andriafidison *et al.*, 2008b; IUCN, 2009).

GENERAL DISTRIBUTION:
Eidolon dupreanum is endemic to the island of Madagascar where it is widespread, albeit with a patchy distribution (MacKinnon *et al.*, 2003). It is found both along the coast and on the central high plateau and areas from where there are no records probably reflect inadequate survey coverage rather than a genuine absence. There are some areas within its range where the lack of crevices means there are no roosting opportunities (Goodman *et al.*, 2005a).

Native: Madagascar.

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 52) describe the baculum as a large flat structure, with the distal tip having a serrated or tooth-like structure that is wider than the proximal base; length: 6.59 ± 0.225 (6.41 - 6.84) mm, width: 4.21 ± 0.671 (3.48 - 4.80) mm.

ECHOLOCATION:
Schoeman and Goodman (2012) identified three distinct call types: social calls 1, social calls 2 and echo clicks. Bats produce the echo clicks while flying towards the entrance of the cave, while the other two calls were emitted at roost sites and near the cave entrance. Based on the preliminary results, Schoeman and Goodman (2012) suggest that the social calls 1 and 2 were employed for social communication, whilst echo clicks may have been used in a sensory context, potentially as incipient echolocation to navigate in the dark cave.

HABITAT:
Eidolon dupreanum has a patchy distribution which includes humid, dry deciduous and spiny forest is probably related to the availability of suitable roost sites and is rare or absent from a number of forests without rocky outcrops (Goodman *et al.*, 2005a; Jenkins *et al.*, 2007b; Schmid and Alonso, 2007). It continues to survive in highly modified landscapes with very little native vegetation remaining (Ratrimomanarivo, 2007), but appears to use native forest vegetation for food in preference to introduced plants (Picot *et al.*, 2007).

Dammhahn and Goodman (2013: 108) indicate that mid- to upper-canopy in forest and trees growing in open areas form the foraging habitat of this species.

HABITS:
Baum (1995: 337) reported that fruit bats (probably *E. dupreanum*) intensively visited *Adansonia suarezensis* trees in the forest at Beantely in the hour after dark, but also during the remainder of the night at a much lower frequency. Peak rates were about 14 visits per tree per hour (or ca. 0.5 visits / flower / hr), each lasting between 20 and 30 seconds. During each of the tree stopovers, up to nine flowers were visited.
While exiting roost, individuals flew within 50–100 cm of the ceiling, often settling and perching every 5–10 m along their flight patch and displacing in a leapfrog manner towards the cave entrance (Schoeman and Goodman, 2012).

ROOST:
It is known to roost in tree foliage, but is more usually found in rock fissures and caves (MacKinnon *et al.*, 2003). Its roost sites are usually very high and located in cliffs and rock faces (Jenkins and Racey, 2008). In the Réserve Spéciale d'Ankarana, it used caves that were high and long with a good buffering capacity for temperature and humidity (Cardiff, 2006).
See habits for roosting behaviour.

MIGRATION:
MacKinnon *et al.* (2003) suggested that *E. dupreanum* might be migratory because of regular variation in the occupancy and abundance of roosts.

DIET:
In a study, during three months (February, July and December), at four sites on the central Malagasy highlands, Ratrimomanarivo (2007) found the seeds of 13 plant species. Picot *et al.* (2007) reported that *E. dupreanum* ate mainly fruits (65%), although *Eucalyptus* spp. flowers were also consumed. Thirty plant species (14 identified and 16 unidentified), including six introduced species were utilized in the corridor of rainforest between Ranomafana and Andringitra National Parks, south-eastern Madagascar (Picot *et al.*, 2007). *Polyscias* spp. fruit (seeds) were the most frequently recorded plant in 70 % of the faecal samples (Picot *et al.*, 2007). Fruit is the main dietary component, but it also eats leaves and other plant parts (Picot, 2005; Picot *et al.*, 2007). Through the ingestion of pollen and small seeds, a significant ecological role is inferred (Picot, 2005; Ratrimomanarivo, 2007). *E. dupreanum* may be an important pollinator of threatened baobab trees (Baum, 1995).

Baum (1995: 339) mentions that *E. dupreanum* is

believed to be one of the major pollinators of endemic baobabs *Adansonia grandidieri* and *Adansonia suarezensis* of Madagascar.

Picot *et al.* (2007) suggest that the alimentary tract is one intrinsic factor that influences seed dispersal, as they found a maximum seed size of 7 mm and mean size of 3.2 mm for *E. dupreanum* and the ecological services provided by this species appear to be limited by the dimensions of its intestinal tract.

Jenkins *et al.* (2007b: 213) [referring to Rakotonirainy (2001)] mention these bats visit fruiting trees of *Ficus soroceoides, F. pyrifolia*, and *F. guatteriifolia*.

Based on stable isotope analyses, Reuter *et al.* (2016) found that *Pteropus rufus*, *Eidolon dupreanum* and *Rousettus madagascariensis* have broadly overlapping diets, although there are differences between *P. rufus* and *E. dupreanum*. Furthermore, they found that the diet shifted when these two species occurred sympatrically.

POPULATION:
Structure and Density - The population size and local abundance of this species are not well known. Estimates of colony size are difficult to obtain because the bats are hidden during the day, but is usually in the range of between 10 and 500, with a median of 200 individuals (MacKinnon *et al.*, 2003). The maximum colony size of 1,400 is from Réserve Spéciale d'Ankarana (S. G. Cardiff unpubl. [in Andriafidison *et al.* (2008b)]).
Trend - 2008 - Decreasing (Andriafidison *et al.*, 2008b; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Kaudern (1914: 11 - 12) reported that he was unable to shoot any pregnant female or females with young during his travels on Madagascar, which took place in the dry season (May to September), so he assumed they had their reproductive season in Spring or Summer.

PARASITES:
Brook *et al.* (2015: 4) found *E. dupreanum* to be the host of *Cyclopodia dubia* (Westwood, 1835) (Nycteribiidae) and *Thaumapsylla* sp. fleas. In the bat flies (and the bats), DNA of a new *Bartonella* was found. The bat flies were also reported by Wilkinson *et al.* (2016) and Ramasindrazana *et al.* (2017: Suppl).

VIRUSES:
Reynes *et al.* (2011: 3) were able to isolate Ife virus from *E. dupreanum*.

Coronaviridae - Coronaviruses
BtCoVMAH051F/E. dupreanum/2011 - In Madagascar, identified in faecal material (Razanajatovo *et al.*, 2015).

Herpesviridae
Alphaherpesvirinae
Simplexvirus
Alphaherpesvirus CS730G - In Madagascar 2006, isolated in Vero cells from throat swabs (Razafindratsimandresy *et al.*, 2009).

Paramyxoviridae
Henipavirus
Nipah (NiV) - In Madagascar during 2003 - 2004, Iehlé *et al.* (2007) found Nipah virus with an infection rate of 19.2%. Kuzmin *et al.* (2011a: 5) suggest that their exposure to NiV might be the result of contact with infected *Pteropus rufus* specimens.
Hendra (HeV) - In Madagascar during 2003 - 2004, Iehlé *et al.* (2007) found Hendra virus with an infection rate of 19.2%.
Tioman (TiV) - In Madagascar during 2003 - 2004, this virus was not detected (Iehlé *et al.*, 2007).

Rhabdoviridae – Rabies like viruses
Lyssavirus - Rabies related viruses
Andriamandimby *et al.* (2013: 3) reported that 17 bats testes positive for the detection of antibodies agains Lagos Bat Virus (LBV) in two areas close to Antananarivo. Five of these also tested positive against European Bat Lyssavirus type 1 (EBLV-1).

UTILISATION:
E. dupreanum is hunted for meat in many parts of Madagascar (Ranivo, 2001; MacKinnon *et al.*, 2003). Hunting is undertaken by specialists (due to the roosting high in cliffs) who either access the roosts with wooden ladders (Jenkins and Racey, 2008) or light fires directly underneath the roosts and net or swat flying bats as they emerge (Ranivo, 2001). Alternatively, a hunter is lowered on a rope and hits the bats with a stick (Jenkins and Racey, 2008). Jenkins and Racey (2008) also indicate that guns and slingshots are used.
In the rainforests between PN de Ranomafana and PN d'Andringitra, a number of accounts of bat hunting were collected from villages (Picot, 2005). Although familiar with the location of the bat roosts, the local people rarely hunted or consumed the bats. Professional hunters visited a few times a year and occasionally offered bat meat to the village but most of the animals were taken to larger towns and sold for $ 0.4 US to restaurants and hotels. In this area oil residue from cooked bats is used as medicine for whooping cough (Jenkins and Racey, 2008). Further north in the highlands, Ranivo (2001) investigated the hunting of *E. dupreanum* at roost sites near Ambositra,

Antsirabe and Ankazobe, where villages reported purchasing one and four times per year.
Pteropus rufus and *Eidolon dupreanum* appear to be the only species sold in restaurants, where they are either served individually, complete with head and wings, jointed, or are diced up into small pieces and accompanied by rice (Jenkins and Racey, 2008).
Ranivo (2001) found that hunting caused the bats to abandon traditional roost sites and local people noted declines in hunting returns.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Madagascar.

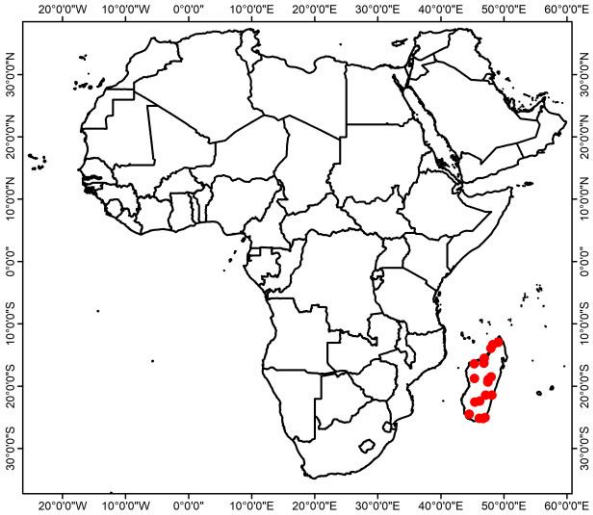

Figure 5. Distribution of *Eidolon dupreanum*

Eidolon helvum (Kerr, 1792)

*1792. *Vespertilio vampyrus helvus* Kerr, in: Linnaeus, Animal Kingdom, 1 (1): xvii, 91. Publication date: February 1792. Type locality: Senegal: "Senegal". - Comments: Type locality fixed by Andersen (1907a: 504); see Meester *et al.* (1986: 28), DeFrees and Wilson (1988: 1), Harrison and Bates (1991). Andersen (1912b: viii) indicates that the type was once in the Museum Leverianum, but is probably no longer in existence. - Etymology: From the Latin "helvus" (=dun-coloured), referring to the straw colour on their shoulders; the back, rump and hind limbs are normally various shades of brown (see DeFrees and Wilson, 1988: 4; Taylor, 2005). Lanza *et al.* (2015: 27) translate "helvus" to "dull-yellow".
1862. *Xantharpyia stramineus:* Gerrard, Catalogue of the bones of Mammalia in the collection of the British Museum, 58. (Name Combination)
1866. *Xantharpyia leucomelas* Heuglin, in: Heuglin and Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 54: sect. 1, pt. 10, p. 544. Type locality: Sudan: Kordofan: Bahr-el-Azrak: Bahr-el-Abiad: Sennaar. - Comments: Originally "Upper Nile lands", but subsequently fixed to Senaar by Koopman (1975): see Meester *et al.* (1986: 28), DeFrees and Wilson (1988: 1).
1867. *Cynonycteris straminea:* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 866. - Comments: see Pousargues (1896: 257). (Name Combination)
1895. *Cynonicteris straminea:* Bocage, J. Sci. mat. phys. nat., ser. 2, 4 (8): 4. Publication date: December 1895. (Name Combination, Lapsus)
1906. *R[oussettus (Xantharpyia)] stramineus:* Johnston, Liberia, Volume II: 690. (Name Combination, Lapsus)
1920. *Rousettus stramineus:* Haagner, South African mammals, 23. (Name Combination)
2015. *Pterocyon palaeaceus:* Lanza, Funaioli and Riccucci, The bats of Somalia and neighbouring areas, 27. (Lapsus)
? *Eidolon helvum:* (Name Combination, Current Combination)

TAXONOMY:
Includes *sabaeum* see Hayman and Hill (1971), Bergmans (1991), Harrison and Bates (1991), Simmons (2005: 321). Does not include *dupreanum*; see Bergmans (1991), Peterson *et al.* (1995) and Simmons (2005: 321), but also see Hayman and Hill (1971) who treated *dupreanum* Schlegel, 1866, from Madagascar and *sabaeum* Andersen, 1907, from Arabia as subspecies of *E. helvum* (Meester *et al.*, 1986).
African forms reviewed in part by Juste *et al.* (2000); Palearctic forms reviewed by Horácek *et al.* (2000). The taxonomic status of populations in the Anr Mountains of Niger is unclear (Simmons (2005: 321).

E. dupreanum is here retained as a separate species and *sabaeum* is considered an extralimital subspecies of *E. helvum* not occuring in Africa.

Juste *et al.* (2000) found that the population from Annobón is significantly smaller than the

continental forms (and the specimens from the other islands in the Gulf of Guinea) and created a new subspecies for these: *Eidolon helvum annobonensis*.

Currently recognized subspecies of *Eidolon helvum*:
E. h. helvum (Kerr, 1792) - Afrotropics.
E. h. sabaeum K. Andersen, 1907 - Oriental.

COMMON NAMES:
Afrikaans: Geel vrugtevlermuis. Czech: kaloň plavý, upír bledý, kaloň palmový, kaloň úzkokřídlý. English: African Straw-coloured Fruit-bat, Straw-colored Fruit Bat, Straw-coloured Flying Fox, Pale Xantharpy, Yellow-haired fruit bat. French: Roussette jaune, Roussette des palmiers africaine, Roussette paillée, chauve-souris paillée. German: Afrikanischer Palmenflughund, Palmenflughund. Italian: Èidolo paglierìno, Ptèropo fantàsma paglierìno. Kinande (DRC): Mulima. Portuguese: Morcego frugivoro gigante. Spanish (Castillian): Zorra Voladora Amarilla. Tanoboase (Ghana): ampane ankasa.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Hildebrand *et al.* (2010: 268) recorded this species from the Kumali site in southern Ethiopia.

CONSERVATION STATUS:
Global - Listed as Near Threatened (NT ver 3.1 (2001)) because this species is in significant decline (but at a rate of less than 30% over three generations (approximately fifteen years)) because it is being seriously over-harvested for food and medicine, making the species close to qualifying for Vulnerable, Under criterion A2d (Mickleburgh *et al.*, 2008dc; IUCN, 2009).

The subspecies *E. h. sabaeum* (Andersen, 1907) is known only from Yemen and Saudi Arabia and is possibly threatened (see Bergmans, 1999).

Assessment History -
2008 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2008dc; IUCN, 2009). 2004 - LC (Mickleburgh *et al.*, 2004bh; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016e). 2004 - considered a vagrant not assessed, doesn't breed in SA (Friedmann and Daly, 2004).

MAJOR THREATS:
In general there are no major threats to this widespread and adaptable species. It is, however, locally threatened in parts of its range by severe deforestation, and more generally across West and Central Africa by hunting for food and medicinal use. It is the most heavily harvested bat for bushmeat in West and Central Africa, and one of the most frequently consumed mammals in this region (P. Racey *pers comm.* in Mickleburgh *et al.* (2008dc)). Large pre-migration colonies are considered particularly vulnerable to any threats. In some areas it is considered to be a pest species and roosting locations may be restricted by cutting down trees. Trees are also cut down in order to catch bats for the market (P. Racey *pers comm.* [in Mickleburgh *et al.* (2008dc)]). Kamins *et al.* (2010: 190) report that 41 hunters, they interviewed, killed about 35,000 bats in one year in southeastern Ghana. 95 meat vendors indicated that they sold over 100,000 bats as food in one year. These bats were captured in an area up to 200 km away from the markets where they were sold. Kamins *et al.* (2011a: 3000) update these figures, based on interviews with 551 Ghanaians, to a minimum 128,000 bats being sold yearly, up to 400 km away from the markets. MacDonald *et al.* (2011: Suppl. Table 1) indicate that, in rural markets in Cameroon and Nigeria, fresh bats were sold at 2.96 US$, or about 10.6 US$/kg, and smoked bats at 1.63 US$ or 5.82 US$/kg. In Côte d'Ivoire, Niamien *et al.* (2015: 233) found that poachers only ate 5 % of their catch themselves, the rest was sold for 0.6 US$ per animal, leading to a daily revenu of 15 US$. They estimated that some 30,600 were killed each month, but luckily for the bats, they made some major calculation errors.

On São Tomé, these bats are extensively harvested for household consumption (see Carvalho *et al.*, 2015: 1). Hayman and Peel (2016: 132) indicate that the smaller island populations [from São Tomé, Príncipe and Annobón] may more likely suffer from additive mortality in response to harvesting than populations from the nearby Bioko as these latter can still mix freely with the continental populations.
Musaba Akawa *et al.* (2017) followed the sale of *E. helvum* at a market in Kisangani (DRC) for one year and found that most of the bats were sold during one of the wet seasons (September-October), but low during the second wet season (March-April). They also found that while hunting was allowed from December through July, only 47 % of the total number of bats were sold during that period; 53 % was sold during the period that the hunt was closed.

Anonymus (2004f: 51) indicates that their colonies are unwelcome in towns and cities through fruit feeding, defoliation of roost trees, defecation on (commercial) buildings.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dc) [in IUCN (2009)] report

that there are no known direct conservation measures in place, but in view of the species extensive range it seems probable it is present in some protected areas during migration. There is a need to identify and protect important roosting sites, and a better understanding of the migratory patterns of this species would be beneficial to any conservation activities. The highest priority is to limit the harvesting of this species to sustainable levels.

GENERAL DISTRIBUTION:
Eidolon helvum is broadly distributed across the lowland rainforest and savanna zones of Africa from Senegal in the west, through to South Africa in the south and Ethiopia in the east (possibly ranging into Djibouti and southern Eritrea). It is also present on the extreme southwest Arabian Peninsula, where it has been recorded from Yemen and Saudi Arabia (Harrison and Bates, 1991). Populations of this bat occur on several offshore islands including the Gulf of Guinea islands (Peel *et al.*, 2013a: 296) and Zanzibar, Pemba and Mafia (off Tanzania) (Bergmans, 1991; Simmons, 2005; O'Brien, 2011: 285). It has also been recorded at sea, 250 km from the nearest land (Anonymus, 2004f: 50). There is a possibly disjunct population in the Air Mountains of Niger. Distribution at northern and southern extremes of the range is patchy and erratic. It is also sparse or absent in large areas of the Horn of Africa, central East Africa, and elsewhere (Bergmans, 1991). *Eidolon helvum* is a migratory species in parts of its range; populations migrate from the West African forest north into the savanna zone during the major wet season. It ranges from sea level to around 2,000 m asl (Ruwenzori Mountains). In South Africa, its distribution is mostly affected by precipitation seasonality (Babiker Salata, 2012: 49).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,091,925 km^2.

It has also been reported from the Cape Verde Islands (Jiménez and Hazevoet, 2010: 116).

Native: Angola (Crawford-Cabral, 1989; Lopes and Crawford-Cabral, 1992; Bergmans, 1991; Monadjem *et al.*, 2010d: 551); Benin (Capo-Chichi *et al.*, 2004: 161); Botswana; Burkina Faso (Kangoyé *et al.*, 2015a: 605); Burundi; Cape Verde Islands (Jiménez and Hazevoet, 2010: 116); Cameroon; Central African Republic; Chad; Congo (Bates *et al.*, 2013: 333); Congo (The Democratic Republic of the) (Schouteden, 1944; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 551); Côte d'Ivoire (Henry *et al.*, 2004: 24); Equatorial Guinea; Ethiopia; Gabon; Gambia (Kock *et al.*, 2002: 78); Ghana; Guinea (Fahr and Ebigbo, 2003: 128; Decher *et al.*, 2016: 259); Guinea-Bissau (Bocage, 1892b; Veiga-Ferreira, 1948; Bergmans, 1991; Corbet, 1984: 30) ; Kenya; Lesotho; Liberia (Fahr, 2007a: 103); Malawi (Happold *et al.*, 1988; Ansell and Dowsett, 1988: 28; Bergmans, 1991; Monadjem *et al.*, 2010d: 551); Mali (Meinig, 2000: 104); Mauritania; Mozambique (Smithers and Lobão Tello, 1976; Cotterill, 2001e: 54; Monadjem *et al.*, 2010d: 551); Namibia (Bergmans, 1991; Monadjem *et al.*, 2010d: 551); Niger (Bergmans, 1991 in Cotterill, 2001e, 2001e: 55); Nigeria; Rwanda; Sao Tomé and Principe (Rainho *et al.*, 2010a: 24); Saudi Arabia; Senegal; Sierra Leone; South Africa (Monadjem *et al.*, 2010d: 551); Sudan; Swaziland; Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 58); Yemen; Zambia (Ansell, 1974; Cotterill, 2001e: 54; Monadjem *et al.*, 2010d: 551); Zimbabwe (Monadjem *et al.*, 2010d: 551).
Presence uncertain: Djibouti; Eritrea.

GEOGRAPHIC VARIATION:
Peel *et al.* (2010b: 245) indicate that the non-migratory populations on the islands in the Gulf of Guinea (São Tomé and Príncipe, and Bioko and Annobón) show evidence of genetic differentiation from the continental (migratory) populations. They also indicate that two or three colonisation events to the islands have taken place.

Juste *et al.* (2000) found that the population from Annobón is significantly smaller than the continental forms (and the specimens from the other islands in the Gulf of Guinea) and created a new subspecies for these: *Eidolon helvum annobonensis*.

DENTAL FORMULA:
Popa *et al.* (2016: 847) described the replacement of the deciduous (milk) teeth by the permanent ones. The dentition consists of: Upper deciduous dentition: incisors i^1, i^2; canines c^1; premolars pm^1, pm^2, pm^3. Lower deciduous dentition: incisors i_1, i_2; canines c_1; premolars pm_1, pm_2, pm_3. Upper permanent dentition: incisors I^1, I^2; canines C^1; premolars PM^2, PM^3; molars M^1, M^2. Lower permanent dentition: incisors I_1, I_2; canines C_1; premolars PM_2, PM_3; molars M_1, M_2, M_3.

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 54) refer to Nwoha *et al.* (2000: 154), who found that the baculum in juvenile bats consists of two small paddlestone pieces located longitudinally close to each other at the distal third of the penis. In adult bats, the baculum consists of a large distal portion and a narrow proximal portion.

The average brain mass for this species is 4.30 g

[n = 2, Chawana *et al.* (2013: 160)].

Huggel (1959) studied the blood pressure in the wings of *E. helvum* from Côte d'Ivoire. The normal pressure varied between 23 and 30 cm H_2O. This pressure was the same for the two types of bloodvessels that are present in the wing (contracting or non-contracting). If there is some blocking, the pressure can double very quickly, and in one case it even trippled.

Nwoha (2000: 291) examined the pelvis of this bat and found sexual dimorphism both in the shape and size of these bones as well as in its development. In males, the ossification of the interpubic ligament already start in the juvenile stage, whereas in females this only begins with puberty.

Odukoya *et al.* (2009b: 175) investigated the biochemical differences in the two uterine limbs during pregnancy and found that the uterine limbs actively utilized different metabolic pathways according to the functions they subserve during pregnancy.

Adeniyi *et al.* (2012: 118) compared the lateral geniculate bodies (LGB) of *E. helvum* with those of *Rattus norvegicus* and *Manis tricuspis* and found some differences, which they attributed to the feeding habits, lifestyle as well as the nature of their habitat.

The morphometrics of the reproductive tract of male bats were examined by Danmaigoro *et al.* (2014a), whereas Danmaigoro *et al.* (2014b) examined the histology and the histometric anatomy.

Abedi-Lartey *et al.* (2016: 18) found that the average gut passage time for small seeds was 116 ± 112 minutes (4 - 1,143 min). The dispersal distances for the small and large seeds were longer in rural areas than in urban areas, and for large seeds and small seeds in urban areas, they were also longer in the dry season than in the wet season. For small seeds in rural areas, they found that the distances were longer in the wet season than in the dry season.

FUNCTIONAL MORPHOLOGY:
Church and Warren (1968) indicate that wing membranes of *Eidolon helvum* are composed of long, prominent strands of elastin with collagen stretched in between, and that 2 x 2 cm holes in wings heal in 24 days.

Igado *et al.* (2015: 283) studied the tongue, hard palate and buccal cavity of this bat. They found that the overal distribution of lingual papillae was the same for both sexes, but the weight and the length of the tongue was higher in females (although the difference was not significant). Also the number of ridges on the hard palate showed a sexual dimorphism (see also the sexual dimorphism section).

The eyes of *E. helvum* contain approximately 280,000 retinal ganglion cells. The minimum angle of resolution was approximately 0.122° (ca. 4 mm at 1 m distance).

SEXUAL DIMORPHISM:
In Nigeria, Igado *et al.* (2015: 285) examined the heads of 30 adult males and females and found the males to have larger values for overal weight, weight of the head, thickness of the tongue (at the torus), width of the tongue (at the root), width of the hard palate (at the commissures of the mouth), and width of the hard palate (at the anterior region and at the posterior half). Additionally, the number of palatine ridges was higher in males (♂♂: 8.33 ± 0.577; ♀♀: 7.667 ± 0.577). The width of the tongue at the apex was similar in both species, and the width of the tongue at the torus was significantly larger in females. In a previous study, Igado *et al.* (2012: 172) already found that males had higher values for most of the craniofacial and neurometric parameters they examined. The only parameter where females had higher values was the width of the left external nares (♀♀: 5.08 ± 0.55 mm; ♂♂: 5.0 ± 0.39 mm).

MOLECULAR BIOLOGY:
DNA - Peel *et al.* (2010a) developed twenty microsatellite loci, from 142 individuals sampled from nine populations across Africa.

Teeling *et al.* (2017: 32) mention the estimated genome size for *E. helvum* to be 2.03 C, and the assembly size 1.44 Gb.

Karyotype - Mattey (1962) and Rushton (1970: 460) reported 2*n* = 34.

Protein / allozyme - Unknown.

The phosphate and oxygene binding capacity of the bat's haemoglobin was studied by Fodeke (2017).

HABITAT:
This adaptable species has been recorded from a very wide range of habitats. It is commonly found in moist and dry tropical rain forest, including evergreen forest habitats in the form of coastal (including mangrove) and riverine forest, through moist and dry savanna and mosaics of these and similar habitat types. Populations can persist in modified habitats and the species is often recorded

in urban areas, such as wooded city parks (Mickleburgh *et al.*, 2008dc).

ROOST:
Roosting trees often become defoliated due to the large number of bats inhabiting them and are therefore only used on a relatively limited temporal scale (Kunz, 1996: 42). The extent of the damage caused by the bats at the Awolowo University Campus, Ile-Ife, Nigeria, was studied by Ayoade *et al.* (2012: 405), who reported that premature defoliation, loss of branches and hence reduction in canopy foliage of the host trees led to the decline in the ability of the trees to provide many environmental and social services that contribute to the quality of life in cities and to serve as effective wind barrier.

Ayensu (1974: 716) mentions that Ghanese *E. helvum* that roost in the palms do not feed on the fruits of the same palm tree, but fly to another palm to feed.

In Côte d'Ivoire, Niamien *et al.* (2017a: 70) found that *E. helvum* prefers to roost in *Hevea brasiliensis* Müll. Arg. (Pará rubber tree - Euphorbiaceae) and *Mangifera indica* L. (Mango - Anacardiaceae) trees.

For western Kenya - the only colony site in Kenya - Webala *et al.* (2012: 3) suggested that tree density was an important factor in roosting-camp selection for *E. helvum*, and the removal of roost trees could have serious ramifications on their conservation in the region. This is especially important as colonies of *E. helvum* are rarely found in protected areas, but rather within human habitation. Webala *et al.* (2014: 85) found that, besides the density of the trees, also the number of branches on a tree was an important factor when selecting a roost site.

Peel *et al.* (2017: 77) provided information on distribution, migration patterns, roost size, age and seks composition of 29 *E. helvum* roosts from nine countries across tropical Africa. They indicate (p. 89) that roosts in urban areas are in zones where hunting is discouraged due to their human usage: hospital grounds, embassies, botanical gardens, hotels, palace gardens, zoos, and military, private or corporate compounds. These zones are usually locations where sufficient numbers of large, tall trees are present.

MIGRATION:
Cosson *et al.* (1996: 370) reported that *E. helvum* is not a year-round inhabitant of Mauritania, and is likely a migrant species. Lelant and Chenaval (2011d: 14) reported an impressive cloud consisting of thousands of animals in Nouakchott on 9 November 2010.
Hayman *et al.* (2010) who radio tracked an individual (EBOV-seropositive, see viruses below), showed typical migratory movements in this region of West Africa.
The drivers, routes and patterns of migration are unknown (Peel *et al.*, 2010a). It is unclear whether *E. helvum* has a panmictic population structure across a continous distribution that shifts according to seasonal resource availability, or whether a finer substructure and specific migration routes exist (Peel *et al.*, 2010a).

Daïnou *et al.* (2010) report that the distribution of *Milicia excelsa* (Moracea) is largely determined by the migration behaviour of the species main seed disperser *E. helvum*.

Based on stable hydrogen isotopes in the fur of 88 examined museum specimens from Sub-Saharan Africa, Ossa *et al.* (2012: 1) report that 22 % had migrated at least 250 km, with a mean distance of 860 km, and a maximum of over 2,000 km (for seven specimens).
For Zambia, Richter (2004: 70) suggests that trees of the genera *Uapaca* and *Syzygium* may be key in timing this species' migration, although she also indicates that the exact migratory cues for the species are unknown.

Isotopic data captured by Ossa Gómez (2012: 22) suggest that *E. helvum* has a core distribution around the Gulf of Guinea, with migration towards the north (Mauritania, Niger) during the months of May to September and towards the south (Tanzania, Zimbabwe, Zambia) during the months of October and December.

Pakula *et al.* (2017: 2) report on a Straw-coloured fruit bat that was observed on a ship sailing along the coast of West Africa, indicating that these bats can be transported over long distances.

DIET:
Doutre and Sarrat (1973: 280) indicated that in West Africa, *E. helvum* has an outspoken preference for (over)ripe local fruits such as mangos, guavas, figs and bananas. They never saw them eat green fruits.

Ayensu (1974) reports on *E. helvum* visiting the following plants when foraging: *Parkia clappertonia* (Dawadawa), *Ceiba pentandra* (Silk-Cotton tree or Kapop tree), *Adansonia digitata* (Baobab), *Anacardium occidentale* (Cashew tree), *Ficus umbellata* (Fig tree), *Psidium guajava* (Guava tree), *Carica papaya* (Papaya or pawpaw), and *Azadirachta indica* (Neem tree).

Daïnou *et al.* (2010) mention that *E. helvum* feeds

on the fruits of the Iroko trees (*Milicia excelsa*) in Cameroon, and suggest that the migratory behaviour of *E. helvum* is the primary mechanisim (seed dispersal) for the distribution of *Milicia excelsa* (Moraceae).

In Accra (Ghana), Dechmann *et al.* (2010: 121) found that seven tracked bats mainly fed on introduced and/or cultivated fruits (primarily neem - *Azadirachta indica*, but also on papaya, mango, oil palm and banana). Only two animals ate wild figs. They also found that the core foraging area was only 3.9 ha (2.2 - 4.9 ha) and included only a few food trees. This area was on average 18.6 ± 11.8 km (max: 37 km) from their roost.
Fahr *et al.* (2015: 1) found that *E. helvum* primarily fed on fruits of introduced trees during the wet season low population numbers, whereas nectar and pollen of native trees made up the major part of their diet during the dry season when population numbers peak.

O'Brien (2011: 264) mentions that *Syzygium* is a staple food for mainland African *E. helvum*, but also refers to DeFrees and Wilson (1988: 4), who indicate that they are also fond of *Ceiba pentandra*.

Investigations by Kankam and Oduro (2011: 22) in the Bia Biosphere Reserve in Ghana showed that *Antiaris toxicaria* [bark cloth tree, antiaris, false iroko, false mvule or upas tree] fruits processed by *E. helvum* still had some fruit pulp around them, and resulted in a far less degree of germination than seeds, which were processed by monkeys and were cleared of fuit pulp.

In Congo, Kipalu (2009: 16) observed *E. helvum* visiting and/or consuming fruits of the African custard-apple (*Annona senegalensis*), Borassus palm (*Borassus aethiopum*), Heart Fruit (*Hymenocardia acida*), African peach (*Nauclea diderichii*), African corkwood tree (*Musanga cecropioides*), and (*Caloncoba welwitschii*)

Lavin *et al.* (2009: 336) report on the prevention of ISD (Iron Storage Disease of hemochromatosis) in captive *E. helvum* specimens, which can result in organ damage and possibly fatalities. The animals might succumb due to the extremely low iron concentrations in the wild diet as compared with the diet they have in captivity.

In Abidjan, Côte d'Ivoire, Niamien *et al.* (2009: 235) reported the following fruits to be present in the bat's droppings: Anacardiaceae: *Mangifera indica* L. (Mango); Arecaceae: *Elaeis guineensis* Jacq. (African oil palm); Caricaceae: *Carica papaya* L. (Papaya); Mimosaceae: *Parkia biglobosa* (Jacq.) R.Br. ex G.Don (African locust bean) [flowers]; Moraceae: *Ficus benjamina* L. (Weeping fig, Benjamin fig), *Ficus exasperata* Vahl (Sandpaper tree, forest sandpaper fig, white fig, or sandpaper leaf tree), *Ficus lutea* Vahl (giant-leaved fig, Lagos rubbertree), *Ficus polita* Vahl (Heart-leaved fig), *Ficus* spp., *Ficus sur* Forssk (Cape fig, broom cluster fig), *Ficus umbellata* Vahl; Myrtaceae: *Psidium guajava* L. (common guava, yellow guava, lemon guava) as well as leaves of *Araucaria excelsa* (Norfolk Island Pine, Star Pine - Araucariaceae). Niamien *et al.* (2017b: 187) added the fruits of *Eugenia jambos* L. (Rose apple, Malabar plum) and *Eugenia malaccensis* L (Malay apple) (Myrtaceaea) and leaves of *Platycerium* sp. (Polypodiaceae).

In western Kenya, Webala *et al.* (2012: 12) reported that *E. helvum* helped to disperse seeds of over 32 plant species belonging to 17 families: Anacardiaceae: *Mangifera indica* (Mango); Apocynaceae: *Saba comorensis* (Bungo fruit); Canellaceae: *Warburgia ugandensis* (Uganda greenheart); Caricaceae: *Carica papaya* (Papaya); Cucurbitaceae: *Momordica foetida*; Flacourtiaceae: *Flacourtia indica* (Madagascar plum, batoka plum, flacourtia, governor's plum, Indian plum); Guttiferae: *Garcinia buchananii* (Granite Mangosteen); Lauraceae: *Persea americana* (Avocado); Malvaceae *Ceiba pentandra* (Kapok); Meliaceae: *Melia azedarach* (white cedar); Moraceae: *Ficus amadiensis*, *Ficus asperifolia*, *Ficus lutea* (Giant-leaved Fig), *Ficus natalensis* (Natal Fig), *Ficus ovalifolia*, *Ficus ovata*, *Ficus sur* (Cape Fig), *Ficus sycomorus* (Sycamore Fig), *Ficus thonningii* (Strangler Fig, Common Wild Fig, Bark-cloth Fig), *Ficus vallis-choudae*, *Morus alba* (White Mulberry); Myrtaceae: *Psidium guajava* (Apple or common guava), *Syzygium cordatum* (Water berry), *Syzygium guineense* (Water berry); Fabaceae: *Crotolaria lanchnocarpoides*; Rosaceae: *Eriobotrya japonica* (Loquat), *Rubus apetalus*; Rubiaceae: *Vangueria apiculata* (Mutugundo Fruit); Rutaceae: *Teclea nobilis* (Small fruited Teclea), *Teclea trichocarpa* (Furry-fruited Teclea), *Toddalia asiatica* (Orange climber).
Webala *et al.* (2014: 90) removed *Ceiba pentandra* from the above list and added *Allophylus ferrugineus* (Sapindaceae).

Seltzer *et al.* (2013: table S2) provides an overview of the plant species found beneath bat feeding roosts. For *E. helvum* these include *Elaeis guineensis* Jacq. (African Oil palm - Arecaceae), *Magnistipula butayei* De Wild (Chrysobalanaceae), *Parinari excelsa* Sabine (Guinea Plum - Chrysobalanaceae), *Antiaris toxicaria* Lesch. (upas tree - Moraceae), *Ficus natalensis* Hochst (Natal Fig - Moraceae), *Milicia excelsa* (Welw.) C. C. Berg (African Iroko -

Moraceae), *Psidium guajava* L. (apple guava - Myrtaceae), *Syzygium guineense* (Willd.) D.C. ("water-berry", Snake bean tree - Myrtaceae) and *Maesopsis eminii* Engl. (Umbrella tree - Rhamnaceae).

Corlett (2017: 13) (referring to Abedi-Lartey *et al.*, 2016) reports that gut passage times for small seeds in caged bats had a median of 72 min and a maximum of 19 h. Combined with the long commutes these bats undertake, this results in a potential dispersal distance of 10 to 100 km. However, they also indicate that the estimated median dispersal distances (for larger seeds) is about 50 m.

PREDATORS:
Mikula *et al.* (2016: 162) report that the Amur falcon (*Falco amurensis* Radde, 1863) and the Eurasian hobby (*Falco subbuteo* Linnaeus, 1758) were observed chasing *Eidolon helvum* bats in Kasanka forest, Zambia. Furthermore (supplemental data), they mention the following avian predators: Steppe eagle (*Aquila nipalensis* (Hodgson, 1833)), African hawk eagle (*Aquila spilogaster* (Bonaparte, 1850)), Common buzzard (*Buteo buteo* (Linnaeus, 1758)), Greater spotted eagle (*Clanga clanga* (Pallas, 1811)), Lesser spotted eagle (*Clanga pomarina* (Brehm, 1831)), Lanner falcon (*Falco biarmicus* Temminck, 1825) [with "*Eidolon* sp" from countries on the African continent as prey], Palm-nut vulture (*Gypohierax angolensis* (Gmelin, 1788)), White-backed vulture (*Gyps africanus* Salvadori, 1865), African fish eagle (*Haliaeetus vocifer* (Daudin, 1800)), Ayres's hawk-eagle (*Hieraaetus ayresii* Gurney, 1862), Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850), Black kite (*Milvus migrans* (Boddaert, 1783)), Martial eagle (*Polemaetus bellicosus* (Daudin, 1800)), Crowned eagle (*Stephanoaetus coronatus* (Linnaeus, 1766)), Pied crow (*Corvus albus* Statius Muller, 1776).

POPULATION:
Structure and Density - In general this is a common species forming large colonies of thousands to even millions of individual. Hayman *et al.* (2011b: 1; 2012c: 1393) report on a colony of up to one million individuals being present in Accra, Ghana for approximately 6 months during the dry season, and Sørensen and Halberg (2001: 213) report 1.5 million fruit bats leaving the roost at sunset in the Kasanga National Park, Zambia. Racey (2004a: 2) indicates that the number bats at the same locality peak near the end of November to about 8 million (representing a total mass of 3,000 metric tons in one hectare of forest and consuming nearly 6,000 tons of fruit each night), after which they begin to fall rapidly. Within colonies they form tight clusters of up to 100 animals, although in particularly large colonies this clustering may not be so obvious. Colonies may show extreme roost-site fidelity. During migration this species disperses into small groups. There is evidence of a widespread decline (P. Racey *pers. comm.* in Mickleburgh *et al.*, 2008dc). A well-known colony in Kampala (Uganda) declined in numbers over a forty-year period from ca. 250,000 animals to 40,000 in 2007 (Monadjem *et al.*, 2010d). A trend which continued over the following years (Akite, 2009: 28-29).

Based on emergence data for one roost on Principe (10,500 - 14,200 bats), Dallimer *et al.* (2006: 50) estimated a population density between 82 and 111 bats/km^2 for the entire island.
On Annobón, Peel *et al.* (2012: 3) reported colony sized of up to 1,500 animals.
Wood *et al.* (2012: 2885) indicate that while colonies in West Africa can be very large, these in East Africa appear to be smaller and more fragmented, and also seem to be less migratory.

Magloire *et al.* (2017: 890) reported on a colony from Abidjan (Côte d'Ivoire) counting on average 180,000 bats. They found that the colony size increased from August to November (from 200,000 to 300,000), stabilized from November to February and decreased from March to July (to 12,000). These fluctuations were linked to food diversity and abundance.
For their study on the distribution of Ebola viruses, Fiorillo *et al.* (2018: 8) estimated the density of a *E. helvum* colony to be about 180 bats/km^2.

Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008dc; IUCN, 2009). 2004 - Decreasing (Mickleburgh *et al.*, 2004bh; IUCN, 2004).

LIFESPAN:
Hayman *et al.* (2012c: 1399) examined the tooth cementum annuli, and found three old specimens with an estimated age range from 13 to 15 years. They found that adult bats had a survival probability of about 0.83, whereas this was 0.43 for juveniles.

Szekely *et al.* (2015: Suppl.) reports a maximum longevity of 21.8 years.

Hayman and Peel (2016:134) calculated that the mean life expectancy estimates across the colonies they studied to be ranging from 2.3 to 6.8 years, and that individuals may live up to 30 years of age.

Peel *et al.* (2017: 85) report on regional differences in the livespan of *E. helvum*: Tanzania (Dar es Salaam: mean 6.4 yrs, max 15 yrs, n = 53 adults; Morogoro: 4.5, 8, 24), Ghana (6.0, 14, 76), Bioko

(2.4, 6, 16), Príncipé (4.2, 10, 23), and São Tomé (4.8, 13, 57).

ACTIVITY AND BEHAVIOUR:
In Nigeria, *E. helvum* was reported to fly at least 24 km each night and often stopped at a number of locations between leaving the roost and arriving at the foraging site (Okon, 1974). Richter and Cumming (2006) reported flights of over 15 km for *E. helvum* in Kasanka National Park, Zambia. Richter and Cumming (2008: 172) reported that bats foraged as far as 59 km away from their roost. During their migration, one animal travelled 370 km in one night, but on average they travelled 29 km/day. The largest distance travelled by one bat, reported in that study, is 2,518 km in 149 days.

Sapir *et al.* (2014: 1) found that, in Ghana, *E. helvum* modified its flight in response to the wind vector (e.g. they decreased their airspeed in response to tailwinds so that their groundspeed remained nearly constant).

In Ghana too, Fahr *et al.* (2015: 1) found that *E. helvum* foraged locally during the wet season population low (ca. 4,000 animals traveling between 3.5 and 36.7 km) in urban areas with low tree cover. During the dry season population peak, some 150,000 individuals travelled between 24.1 and 87.9 km.

Carpenter (1986: 90) and McGuire and Guglielmo (2009: 1291) reported that the respiratory quotient for this species indicates that fat provided 77 - 92 % of the fuel during flight, and a decline in respiratory quotient during long flights may prove that fat is indeed the only fuel source following initial carbohydrate use. Carpenter (1986: 93) also indicates that at airspeeds of 5.5 to 6.5 m/s the heart beats at a frequency of 576 - 601 beats per minute, and at airspeeds between 5.5 and 7.0 m/s, these bats take 295 to 316 breadths per minute. From flight corridor tests, Riskin *et al.* (2012: 2946) determined the average flight speed to be 4.24 ± 0.91 m/s.

In captive groups, Carter and Leffer (2015: 3) found that 6 males spent 0.52 % of their awake time with social grooming. A group consisting of six females and two castrated males did not perform any social grooming at all.

REPRODUCTION AND ONTOGENY:
For Uganda, Mutere (1967, 1968) reported pregnancies between October and February and births occurring between February and March.

For Congo, Bergmans (1979a: 165) reported two pregnant females on 6 December 1972.

Krutzsch (2000: 109) reports that various authors found that *E. helvum* has a monoestrous reproduction cycle.

Simbauni and Bernard (2001: 63) indicate that the reproductive cycle of *E. helvum* is characterized by a three-month period of delayed implantation (see also Badwaik and Rasweiler, 2000: 228; Racey and Entwistle, 2000: 383) and that the pregnancy may last for 10 months. At birth, the young has about 18.4 % of the mother's body mass (48.6 g versus 263.5 g; see Kurta and Kunz, 1987: 82).

Peel *et al.* (2013b: 7) indicate that *E. helvum* is panmictic across its continental African range, meaning that all individuals from over the entire range are potential partners. They found no indication that gene flow was more likely to occur among neighbouring populations than among distant populations (> 4,500 km). They conclude that *E. helvum*, therefore, has the largest reported panmictic unit of any mammal.

Szekely *et al.* (2015: Suppl.) report a gestation period of 275 days, and indicate that weaning occurs after 65 days. At birth the young weighs 50 g and after gestation its weight has increased to 135 g.

In their overview, Peel *et al.* (2017: 82) report the estimated start of births in different countries: Annobón (mid-September), Malawi (mid-November), Principé (November-December), Tanzania (mid-December), São Tomé and Ghana (February-March), Uganda (March-April), Bioko (mid-April). They also indicate (p. 83) that females are reproductively active between the ages of 2 and 14 years.

PARASITES:
BACTERIA
Gram-negative bacterium - Pinus and Müller (1980) and Sara (2002: 41) reported *Citrobacter freudii*, *Escherichia coli*, *Klebsiella oxytoca*, and *Klebsiella pneumoniae*.
Nowak *et al.* (2017: 6) tested three bats from the Republic of Congo of which two tested positive for *E. coli*.

Gram-positive bacterium - Akobi *et al.* (2012: 1) found that bats at the university of Ife-Ife, Nigeria were colonized by a number of *Staphylococcus aureus* strains with genotypic characteristics that are rarely found in humans. Held *et al.* (2016: 118) refer to a report from Nigeria, indicating that *E. helvum* can be colonized by *S. schweitzeri*.
Spirochaetales - Reviewed in McCoy (1974), who listed *Borrelia* sp. Ogawa *et al.* (2015a: 143) report on the presence of at least two other spirochaete bacteria: *Leptospira borgpetersenii* and *L.*

kirschneri in *E. helvum* which migrated from the Democratic Republic of the Congo to Zambia.

Bartonellae - Bacteria
Bartonella - Kosoy *et al.* (2010: 1877) and Bai and Kosoy (2012: 58) reported a prelevence of *Bartonella* spp. In *E. helvum* from Kenya of 23/88 (26.1%) cultured from blood samples. The level of *gltA* sequence identified between 16 *Bartonella* genotypes, but varied greatly, eight genotypes (sequence variants) were clustered around 4 clades (Kosoy *et al.*, 2010: 1878). Three novel *Bartonella* species have been isolated from *E. helvum* (Kosoy, 2010: 719). See also Kosoy (2010: 719) for further information.
Morse *et al.* (2012: 1719) refer to Billeter *et al.* (2012) for *Bartonella* sp. found in the bat fly *Cyclopodia greefi*, parasiting on *E. helvum* in Ghana. Billeter *et al.* (2012: 325) collected batflies (*Cyclopodia greefi greefi*) from *E. helvum* specimens from Ghana (see also Morse *et al.*, 2012), Bioko, and Annobón. Of these bat flies, 56.5 % (Ghana) to over 71 % (Bioko, Annobón) were carriers of *Bartonella* bacteria. Genetically, 65.9 % of the *Bartonella* sequences were identical or similar to sequences obtained in other studies (e.g. Kosoy *et al.*, 2010). One sequence was very similar to one obtained from a *E. helvum* specimen collected in Kenya (Billeter *et al.*, 2012: 326 - 327). Kamani *et al.* (2014: 628) tested 79 *E. helvum* specimens from Nigeria and found at least 44 testing positive for *Bartonella* DNA.
79 isolates studied by Bai *et al.* (2015: 7) revealed five genogroups (*E1* to *E5*) for *ribC*. An additional lineage (*Ew*) did not contain a fragment for *ribC*.

Mannerings *et al.* (2016: 923) report that the following *Bartonella* species were already isolated from *E. helvum* bats: *B. henselae, B. quintana, B. clarridgeiae, B. vinsonii vinsonii, B. elizabethae*, and *Bartonella* strain E1–105.

Olatimehin *et al.* (2018: 3) found *Staphylococcus aureus*, *Staphylococcus schweitzeri* and *Staphylococcus argenteus* in feacal samples from bats at the Obafemi Awolowo University, Ile-Ife, Nigeria.

ACARI
Nycteridocoptes pteropodi Rodhain and Gedoelst, 1923 was reported by Fain (1958: 236) from *E. helvum* specimens from Astrida (=Butare), Rwanda.

Akobi *et al.* (2012) obtained 107 isolates of *Staphylococcus aureus* from 560 faecal samples in eleven roosting sites between January 2008 and February 2010, in Nigeria.

HEMIPTERA
Cimicidae: Haeselbarth *et al.* (1966: 8) recorded *Afrocimex constrictus* Ferris & Usinger, 1957 associated with *E. helvum* near Ruiru, Kenya.

DIPTERA
Nycteribiidae: *Penicillidia fulvida* (Bigot, 1885) (see Haeselbarth *et al.*, 1966: 114). *Eucampsipoda africanum* Theodor, 1955, widely distributed over the Ethiopian region and recorded from localities in Senegal to the Sudan and southwards to the Cape (Haeselbarth *et al.*, 1966: 115). *Dipseliopoda setosa* Theodor, 1955 from Kenya and Tanzania (Haeselbarth *et al.*, 1966: 116). *C. greeffi* was originally described by Karsch (1884) from an *E. helvum* specimen from São Tomé, and the adjacent islet of Rojas (see Urich *et al.*, 1922: 471). Urich *et al.* (1922) furthermore mentioned additional specimens from this bat fly, reported by Rodhain and Bequaert from *E. helvum* specimens from Leopoldville [= Kinshasa], DRC. *Cyclopodia greeffi* are found in a belt across central Africa, between lat. 10° south and north, while in West Africa it occurs further north up to lat. 20° (Haeselbarth *et al.*, 1966: 117). Billeter *et al.* (2012: 325) collected batflies (*Cyclopodia greefi greefi*) from *E. helvum* specimens from Ghana (see also Morse *et al.*, 2012), Bioko, and Annobón (see above for bacteria results from this study).

SIPHONAPTERA
Ischnopsyllidae: *Thaumapsylla breviceps* Rothschild, 1907, described from Kenya and the DRC (Haeselbarth *et al.*, 1966: 186). *Thaumapsylla dina* Jordan, 1937 from the mountains of the Ruwenzori, Congo and Kenya (Haeselbarth *et al.*, 1966: 186). *Lagaropsylla consularis* Smit, 1957, traditional host being molossid bats, but it has also been recorded from this taxon (Haeselbarth *et al.*, 1966: 190).
Teinocoptidae: *Teinocoptes eidoloni* Fain, 1959 was reported by Fain (1967: 367) from *E. helvum* from Astrida (=Butare), Rwanda.

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Eidolon helvum*: Adenoviruses, Astroviruses, Coronaviruses, Flaviviruses, Paramyxoviruses and Polyomavirus.

Willoughby *et al.* (2017: Suppl.) report the following viruses: Bundibugyo ebolavirus, Bunyamwera orthobunyavirus, Entebbe bat virus, Hendra henipavirus, Ife virus, Influenza A virus, Lagos bat lyssavirus, Mokola lyssavirus, Nipah henipavirus, Ntaya virus, Sudan ebolavirus, Tai forest ebolavirus, Usutu virus, West Caucasian bat lyssavirus, West Nile virus, Yellow fever virus, Zaire ebolavirus, Zika virus.

Yinda *et al.* (2016: 6) identified 5 divergent novel bat RVA strains from faeces collected in Cameroon. Four of these were genetically similar to each other and the last one was related to the Kenyan bat strain. They did not notice any diarrhea or other obvious signs of sickness in the bats.

Peel (2018: 1) estimated that maternally-derived immunity to Lagos bat virus and African henipavirus has a mean duration of about six months, which is much less than the acquired immunity for these viruses: 12 and 4 years respectively.

Adenoviridae
Sequences of *Eidolon helvum* adenovirus 1 attributed to the genus *Mastadenovirus* were found by Baker *et al.* (2013a: 98) in samples from bats from Ghana.
Conrardy *et al.* (2014) tested 9 bats from Kenya, none of which tested positive.
Ogawa *et al.* (2017: 2) isolated a new adenovirus from Zambian bats: *E. helvum* adenovirus 06-106 - EhAdV 06-106, which they also tentatively called: *Bat mastadenovirus H*.

Bunyaviridae
Nairovirus
Of the 167 specimens from Ghana tested by Müller *et al.* (2016: 3), 1 was positive for Crimean Congo hemorrhagic fever virus (CCHFV)

Caliciviridae
Sapovirus (SaV)
From Cameroonian bats, Yinda *et al.* (2017a: 2) identified the complete genome of six highly divergent SaVs and one partial SaV, which probably represent two novel genogroups, that are only distantly related to any other known SaVs.

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, six individuals for antibody to SARS-CoV in sera from Bandundu Province, DRC, none were found to be positive. In February 2008, Pfefferle *et al.* (2009) tested 212 fecal samples from bats from Ghana and all were negative for coronavirus (CoV) RNA. Tong *et al.* (2009) found 6/10 bats collected in 2006 positive for coronavirus RNA in Kenya (Kenya bat coronavirus BtKY20, Kenya bat coronavirus BtKY23, Kenya bat coronavirus BtKY24). 21 % (38 out of 181) of the Kenyan bats tested by Tao *et al.* (2017: 3) were positive for coronaviruses. In Nigeria during June 2008, Quan *et al.* (2010) screened the gastrointestinal tissue for the presence of coronaviruses by PCRs, none tested positive.
Anthony *et al.* (2017b: Suppl.) mention beta-coronaviruses Eidolon_bat_CoV and Kenya_CoV_BtKY56.
Leopardi *et al.* (2016: 575) report on the first occurrence of CoV outside of Kenya: Nigeria.

Filoviridae - Filoviruses
Olival and Hayman (2014: 1770) found that *E. helvum* has a high seroprevalence of antibodies against several RNA viruses, but not filoviruses, especially when compared to other species in the same locations. They suggest that the migratory lifestyle of this species might prevent filovirus cirulation. Peterson *et al.* (2007: 1547) indicate that the geographic distribution of *E. helvum* covers the entire distribution range of both Ebola and Marburg viruses. Hayman (2015: 6) points to the single, highly synchronous birth pulse per year, which prevents persistence of the virus in *E. helvum*.

Ebolavirus
Hayman *et al.* (2010) tested the blood of 262 individuals from Ghana for Ebola virus using indirect flurescent tests for antibodies against EBOV subtype Zaire [= ZEBOV], one positive was found in a pregnant female. The positive reactivity for EBOV was confirmed using western blot against a recombinant nucleocapsid protein of EBOV-Zaire (Hayman *et al.*, 2010).
Funk and Piot (2014: 2) erroneously refer to Gire *et al.* (2014), who should have claimed that the 2014 Ebola outbreak in West Africa probably originated from a child infected by a straw-coloured fruit bat. However, as indicated by Jakob Fahr in the discussion following this paper, Gire *et al* (2014) never mention bats. The reference was then changed to Baize *et al.* (2014), but that paper (p. 1424) only refers to the "usual suspects": *Hypsignatus monstrosus, Epomops franqueti* and *Myonycteris torquata*. To date, there is no proof that the West African Ebola outbreak is directly related to bats.
In Zambia, Ogawa *et al.* (2015b: "1") found some serum samples that showed distinct specificity for Reston ebolavirus, which has thus far been found only in Asia.
Studying *E. helvum* genes, Ng *et al.* (2015: 2) found that the *NCP1* gene, which encodes a protein that mammals need in order to move cholesterol within their cells, also turns out to be a receptor that the filoviruses must bind to before they can infect the cells.

Marburgvirus
Towner *et al.* (2007) tested 35 individuals from Gabon for Marburg virus RNA by conventional and real-time RT-PCR and 33 individuals for anti-Marburg virus IgG antibodies by ELISA; no positives were found. Hayman *et al.* (2010) tested

the blood of 262 individuals from Ghana for Marburg virus using indirect flurescent tests for antibodies against MARV subtype Leiden, no positives were found.

Flaviviridae
Pegivirus (BPgv) - 0 out of 8 bats from Cameroon, 1 out of 17 from the Democratic Republic of the Congo, 0 out of 11 from Kenya and 1 out of 50 animals from Nigeria examined by Quan *et al.* (2013: Table S5) were infected by clade H type *Pegivirus* (overal 2.3 %). For the same bats examined, they also found 1, 0, 1, and 5 specimens infected by clade K type *Pegivirus*.

Herpesviridae
Alphaherpesvirinae
Simplexvirus
Dak An Y 7 – (3 isolates) Cameroon, 1971, isolated from pooled organs (Razafindratsimandresy *et al.*, 2009).
Betaherpesvirinae
Eidolon helvum herpesvirus 1 and 3 - Baker *et al.* (2013a: 96) identified 539 sequences related to herpesviruses, primarily from throat samples: 366 belonging to *betaherpesvirinae*.

Gammaherpesvirinae
Eidolon helvum herpesvirus 2 - Baker *et al.* (2013a: 96) identified 539 sequences related to herpesviruses, primarily from throat samples: 171 to *gammaherpesvirinae*.

Orthomyxoviridae
Freidl *et al.* (2015) conducted serological studies on 100 *E. helvum* serum samples collected in Ghana in 2009/10. About 30% of the screened animals showed serological evidence to avian influenza subtype H9. According to Brunotte *et al.* (2016: 117), this suggests that bats can be naturally infected with classical IAV, although they did not find any evidence to support this hypothesis.

Papillomaviridae (PV)
Baker *et al.* (2013a: 97) found 408 sequences belonging to multiple papillomaviruses, of which two represented new forms.
García-Pérez *et al.* (2013: 51) cloned and sequenced the complete genome of a novel PV, EhelPV1, isolated from hair bulbs from a captive straw-colored fruit bat.
Mengual-Chuliá *et al.* (2012) reported on PV sequences from hair follicles of captive bats.

Paramyxoviridae - Paramyxoviruses
Nine individuals from Kenya were tested for paramyxoviruses by Conrardy *et al.* (2014). All nine were negative for paramyxovirus RNA.
Paramyxovirinae
Henipavirus
Hayman *et al.* (2008b) detected antibodies to both Nipah (NiV - 39 %) and Hendra (HeV - 22 %) [both members of the genus *Henipavirus* (see Hayman *et al.* (2011b: 1)] in bats collected in Ghana in 2007. Peel *et al.* (2012: 2) found antibodies against these viruses in bats on Annobón.
Drexler *et al.* (2009) detected henipavirus RNA and three novel viruses were identified. Drexler *et al.* (2012a: Suppl. Table 1) indicated that 42 out of 722 (5.8 %) bats collected in Ghana, the Central African Republic and Gabon tested positive for *Henipavirus*. 4.0 % (29) tested positive for *Rubulavirus* and 1.8 % (13) for *Pneumovirus*.
Pernet *et al.* (2014: 3) screened 44 Cameroonian bat serum samples for anti-NiV cross-neutralizing activity and found 21 (ca. 48 %) testing positive.
Baker *et al.* (2012: 1348) describe two new Rubulaviruses: Achimota virus 1 (AchPV1) and Achimota virus 2 (AchPV2). They developed specific serological assays for these two viruses and found evidence of infection by both in *E. helvum* across sub-Saharan Africa and on islands in the Gulf of Guinea.
Baker *et al.* (2011b: 855) indicate that a co-evolutionary relationship might exist between Chiroptera and *Paramyxoviridae*, based on an analysis of urine samples of *E. helvum* from Accra, Ghana.
Weiss *et al.* (2012a: suppl. 1) report on *Paramyxovirinae* sequences obtained from liver and urine samples from bats collected near Brazzaville (Republic of Congo), organs of one individual presented with two diverse paramyxovirus sequences.
From Zambia, Muleya *et al.* (2013: 611) report five new paramyxoviruses closely related to the genus *Henipavirus* and two related to the unclassified Bat paramyxoviruses from Ghana and Congo Brazzaville.
With the use of a seroneutralization assay, Pernet *et al.* (2014) found cross-neutralizing antibodies to Nipah virus in 48 % of sampled *E. helvum* bats collected in Cameroon.

Rubulavirus
Achimota virus: Baker *et al.* (2012) describes two new paramyxoviruses isolated from *E. helvum*: Achimota virus 1 (AchPV1) and Achimota virus 2 (AchPV2).
Several rubulaviruses and rubula-related viruses were reported in several *E. helvum* individuals sampled from several African countries (Drexler *et al.*, 2012). Some of these sequences proved to be closely-related to human mumps virus and simian virus 5.

Kohl *et al.* (2018: 11) indicate that a number of yet unknown rubulaviruses might be present in these bats.

Pneumovirinae
Pneumovirus
Several individuals sampled in Ghana tested positive for a pneumovirus closely related to pneumonia virus of mice, and grouped in a sister clade to human respiratory syncytial virus.

Parvoviridae
Canuti *et al.* (2011: 3) report a new virus (Eidolon-helvum-bat-Parvovirus-1 [Eh-BtPV-1]) from bats captured in Kumasi, Ghana. Baker *et al.* (2013a: 100) found 10 sequences, belonging to both the mammalian-infecting Parvovirinae (related to the genera *Erythrovirus* and *Betaparvovirus*) and the invertebrate-infecting Densovirinae.

Picornaviridae
Eidolon-helvum-Picornavirus-1 contigs related to the genus *Kobuvirus* from 6 urine samples and one contig from a lung sample, and related to the genus *Enterovirus*, were reported by Baker *et al.* (2013a: 100).

In the faeces of Cameroonian bats, Yinda *et al.* (2017b: 3) identified 11 new picorna-like viruses of which some might represent new families [*] within the order Picornavirales: bat sapelovirus, bat kunsagivirus and bat crohivirus, bat iflavirus [Iflaviridae], bat posalivirus [Posa-like virus; *], bat fisalivirus [Fisa-like virus; *], bat cripavirus [Dicistroviridae], bat felisavirus [fesa-like virus; *], bat dicibavirus [bat dicistrovirus; *] and bat badiciviruses 1 and 2 [anagram from bat dicistrovirus; *].

Polyomaviridae
Baker *et al.* (2013a: 100) assembled a sequence from a throat sample. Eckerle *et al.* (2014: 4) mention the presence of several, unassigned viruses of this family. Conrardy *et al.* (2014: 259) reported that one of the nine specimens tested in the Vihiga district (Kenya) tested positive for *Polyomavirus*. Tao *et al.* (2012) identified two novel species termed *Eidolon* PyV1 and 2, from Kenya in 2006.

Poxviridae
38 contigs related to *Molluscum contagiosum* [MC]), a human contagion were reported by Baker *et al.* (2013a: 99). Baker and Murcia (2014: 1567) indicate that the bats do not show any clinical signs.

Reoviridae - Rotaviruses
Rotavirus
Esona *et al.* (2010: 1844) reported genetic characterization of a bat rotavirus (Bat/KE4852/07) detected in the feces of *E. helvum*, which is a novel *Rotavirus A* species. This isolate contained a VP4 gene that probably originated from a human rotavirus, an NSP4 gene of likely human or animal rotavirus origin, and otherwise a unique genetic background requiring establishment of new genotypes for at least 7 genes (Esona *et al.*, 2010: 1845).
Orbivirus
Ife virus - In Nigeria 1971, the virus was isolated from the salivary glands, brain and blood (Kemp *et al.*, 1988). Also reported by de Jong *et al.* (2011: 11).

Retroviridae
Baker *et al.* (2013a: 100) reported on 292 sequences related to retroviridae, that were recovered from lung samples.

Rhabdoviridae
No rhabdoviruses were detected from 9 *E. helvum* bats sampled in Kenya Conrardy *et al.* (2014).

Lyssavirus - Rabies related viruses
2006 in Nigeria, Dzikwi *et al.* (2010: 269) tested 223 brains by direct fluorescent antibody (DFA) and mouse inoculation test (MIT) which tested negative for lyssavirus antigens. In Nigeria during June 2008, Quan *et al.* (2010) did not detect any lyssavirus-specific antigens from the brains by use of direct fluroescent antibody testing.

Lagos bat virus (LBV) - Isolated in Nigeria (Boulger and Porterfield, 1958: 424 [1st detection]; Shope *et al.*, 1970; Kemp, 1975: 616; Hayman *et al.*, 2011a: 88; Fisher *et al.*, 2018: 242) and Senegal (Institute Pasteur, 1985; Hayman *et al.*, 2011a: 88). Antibodies detected in Ghana (Hayman *et al.*, 2008a); Kenya (Kuzmin *et al.*, 2008a; Kuzmin *et al.*, 2011b: 1467; Nadin-Davis *et al.*, 2011: 238), Annobón (Peel *et al.*, 2012: 3). In 2006, 105 individuals from Nigeria were serum tested by a modified rapid fluorescent focus inhibition test (RFFIT), where 24 tested positive (22.86 %) for neutralizing antibodies (Dzikwi *et al.*, 2010: 269). Hayman *et al.* (2010), who found an individual which tested positive for EBOV, also tested positive for LBV, but no antibodies against Mokola (MOKV).
Restif *et al.* (2012: 1091) report on how emerging infectious disease research can be undertaken when little prior knowledge exists, based on the occurrence of LBV in a population of *E. helvum* in Accra, Ghana.
Freuling *et al.* (2015: 44) point out that Lagos bat viruses belong to two phylogenetic lineages and that the presence of neutralizing antibodies might be missed if the test is performed with the most commonly used isolate.
Kalemba *et al.* (2017: 409) reported that out of 18 bats examined from the DRC, six tested positive for lyssavirus neutralizing antibodies (LBV).

Mokola virus (MOKV) - King *et al.* (1990 168) found monoclonal antibodies for MOKV in bats from Nigeria and Senegal.
In 2006, 105 individuals from Nigeria were serum tested by a modified rapid fluorescent focus inhibition test (RFFIT), where 2 tested positive (1.9 %) for neutralizing antibodies (Dzikwi *et al.*, 2010: 269).

Shimoni bat virus (SHIBV) - Kuzmin *et al.* (2011b: 1467) found 2 individuals testing seropositive on 9 animals tested between 2009 and 2010 in Kenya. Kalemba *et al.* (2017: 409) found four out of 19 bats examined from the DRC tested positive for SHIBV neutralizing antibodies.

Horton *et al.* (2014: Table S1) tested 8 Kenyan *E. helvum* specimens, but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus).

Kumasi Rhabdovirus (KRV) - This new virus was detected by Binger *et al.* (2015: 4588) in the spleen and sera of *E. helvum* specimens from Kumasi in Ghana.

By means of Capture-Mark-Recapture (CMR) procedures, Hayman *et al.* (2012b: 2163) found that survival probabilities for lyssavirus seronegative and seropositive *Eidolon helvum* in Ghana were not significantly different.
King *et al.* (1990: 168) reported monoclonal antibodies for Duvenhage and Denmark bat virus from bats from Nigeria and Senegal.

???:
Kemp (1975: 616 - 617) also mentions IbAn 67204 being isolated on 9 April 1971 from this species in Nigeria, and Herpes (YV6) virus in April 1971 and Dakar YV 177 in May 1971, both latter in specimens from Cameroon.

In their overview table, Maganga *et al.* (2014a: 8) report the following viruses were found on *E. helvum*: Lagos bat virus (LBV), Mokola virus, West Caucasian (WC) virus, Zaire Ebola virus (ZEBOV), Ife virus (Orbivirus), Hendra virus, Nipah virus (NPHV), Rubulavirus, Coronavirus, Rotavirus related, Simplexvirus, Parvovirus.

Peel *et al.* (2016) examined 2,827 bats from 9 countries over 8 years and focused on four viruses: Lagos bat virus (LBV), African henipaviruses, Achimota virus 1 (AchPV1) and Achimota virus 2 (AchPV2).

The genomic mining study by Cui and Wang (2015: 5793) revealed bornaviral elements built in the genome of *E. helvum*

UTILISATION:
In Ghana *E. helvum* is a food source (Hayman *et al.*, 2008a). *Eidolon helvum* is the most heavily harvested bat for bushmeat in West and Central Africa, and this is believed to be a major factor in reported population declines (P. Racey *pers. comm.* in Mickleburgh *et al.*, 2008dc). Kamins *et al.* (2014) investigated the sociological characteristics of communities who interact with bats (specifically *E. helvum* in Ghana) to assess their attitudes and perceptions regarding bats and disease. Ohemeng *et al.* (2017: 184) indicated that local (Ghanese) people prefered eating *E. helvum* over other bat species, because of their delicious taste.

In Benin, Dougnon *et al.* (2012: 85 - 86) found an average carcass weight of 89.27 ± 11.41 g (about 43 % of the body mass). The quality of the meat was evaluated (for 100g meat): Total mineral matter: 13.2 g, Lipids: 23.11 g, Protein: 56.8 g, Calcium: 55 mg, Sodium: 39 mg, Phosphore: 83 mg and Potassium: 75 mg, making it more fatty than *E. gambianus* meat (Lipids: 13.36 g). The authors suggest that the higher fat content is a result of the longer foraging distance covered by *E. helvum*.

See also threats section for additional information on utilization.

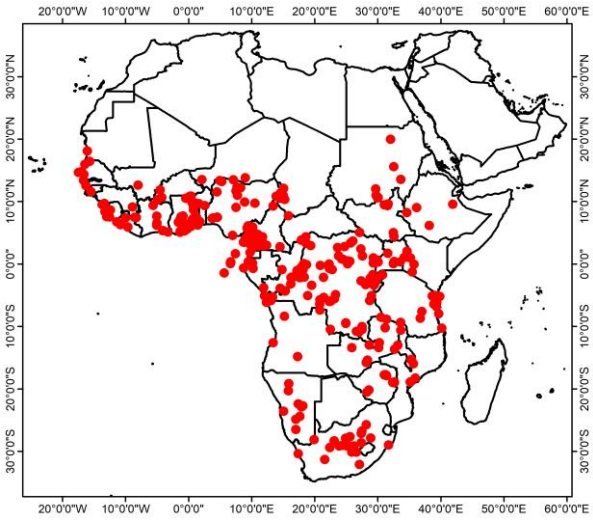

Figure 6. Distribution of *Eidolon helvum*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Madagascar, Malawi, Mauritania, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Principé, Senegal, Sierra Leone, South Africa, South Sudan, Sudan, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

Eidolon helvum helvum (Kerr, 1792)

*1792. *Vespertilio vampyrus helvus* Kerr, in: Linnaeus, Animal Kingdom, 1 (1): xvii, 91. Publication date: February 1792. Type locality: Senegal: "Senegal". - Comments: Type locality fixed by Andersen (1907a: 504); see Meester *et al.* (1986: 28), DeFrees and Wilson (1988: 1), Harrison and Bates (1991). Andersen (1912b: viii) indicates that the type was once in the Museum Leverianum, but is probably no longer in existence. - Etymology: From the Latin "helvus" (=dun-coloured), referring to the straw colour on their shoulders; the back, rump and hind limbs are normally various shades of brown (see DeFrees and Wilson, 1988: 4; Taylor, 2005). Lanza *et al.* (2015: 27) translate "helvus" to "dull-yellow".

1803. *Pteropus stramineus* E. Geoffroy Saint-Hilaire, Catalogue des Mammifères du Muséum national d'Histoire naturelle, Paris, 48. Type locality: Sudan: Sennaar [15 35 N 33 38 E, 425 m] [Goto Description]. - Comments: Harrison (1964a: 44) refers to Sherborn to indicate that the 1803 paper has never been published. The next available date for this name is 1810: Ann. Mus. Nat. Hist., Paris, 15: 95.
Andersen (1912b: 12) mentions that the description in Geoffroy's 1813 paper was based on three specimens in the Paris Museum (nos 92 and 93 from an unknown locality, presented by Professor Fourcroy, and no 94 "de la collection du Stathouder") but these could not be traced by him. The description in the 1810 paper was based on two specimens, one believed to be from Timor (Péron and Lesueur), and the other without details (and possibly one of the cotypes of the 1803 description). Andersen (1912b: 12) also pointed out that "The 'Cat. Mamm. Mus. Nation. d'Hist. Nat.' (1803) was suppressed by Geoffroy himself, and the name *Pteropus stramineus* is therefore usually dated from his well-known paper in Ann. Mus. d'Hist. Nat. XV. (1810)."
Originally, the type locality was not specified, but it was subsequently fixed as Senaar by Koopman (1975: 357): see Meester *et al.* (1986: 28), DeFrees and Wilson (1988: 1).
Harrison (1964a: 44) indicates that the type locality has been fixed by Temminck (1837b, Mon. Mamm. 2: 84), and Andersen (1912b: 12) mentions that the original type locality was "Timor" (based on the 1810 description), but that Temminck already corrected this to "Africa".

1809. *Vespertilio caninus var. b* Goldfuss, Vergl. Naturbeschr., Säugethiere, 98. - Comments: Preoccupied by *V. caninus* Blumenbach, 1797: see Meester *et al.* (1986: 28).

1815. *Pteropus flavus* Illiger, Abh. Ak. Berlin, 90, 98. - Comments: *Nomen nudum* (see Andersen, 1912b: 809).

1862. *Pterocyon paleaceus* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 1861: 423. Type locality: Sudan: Sennaar [15 35 N 33 38 E, 425 m]. - Comments: Type locality originally as "Africa", but restricted to Senaar by Matschie (1899b: 62): see Meester *et al.* (1986: 28), DeFrees and Wilson (1988: 1).

1862. *Pteropus mollipilosus* H. Allen, Proc. Acad. nat. Sci. Philad., 13 (11): 159 (for 1861). Type locality: Gabon: "Gabon" [Goto Description]. - Comments: Originally mentioned as "Western Africa" by Allen (1861: 160), but restricted to Gabon (see Andersen, 1912b: 12). The type specimen was collected by Mr. Duchaillu, and is presumably in the Philadelphia Museum (see Andersen, 1912b: 12).

1865. *Pteropus palmarum* Heuglin, Leopoldina (Halle), 5 (3 & 4): 34. Publication date: June 1865. Type locality: Sudan: Sennaar [15 35 N 33 38 E, 425 m]. - Comments: Type locality originally as "Middle and Upper White Nile and between Senaar and Fazogli along the Blue Nile", but subsequently fixed as Senaar by Koopman (1975: 360): see Meester *et al.* (1986: 28), DeFrees and Wilson (1988: 1). Andersen (1912b: 12) mentions that the type is probably no longer in existence.

1866. *Xantharpyia leucomelas* Fitzinger, in: Heuglin and Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 54 (1) 10: 544. Type locality: Sudan: Kordofan province: Bahr-el-Azrak, Bahr-el-Abiad: Sennaar [15 35 N 33 38 E, 425 m]. - Comments: Type locality originally as "Upper Nile lands", but subsequently fixed to Senaar by Koopman (1975): see Meester *et al.* (1986: 28), DeFrees and Wilson (1988: 1). Andersen (1912b: 13) mentions that the specimen on which Fitzinger based himself is probably in the Munich Museum, and that a specimen belonging to the same series as the type is in the BM (1847.5.27.28; ad ♀; SK; purchased Parreys, from Sennaar).

1881. *Leiponyx büttikoferi* Jentink, Notes Leyden Mus., 3: 59, 60. Publication date: April 1881. Type locality: Liberia: St. Paul's river: Millsburg [06 33 N 10 38 W] [Goto Description]. -

Comments: Type in RMNH.

1906. *R[oussettus (Xantharpyia)] buettikoferi:* Johnston, Liberia, Volume II: 690. - Comments: Bakwo Fils (2012: 690 - footnote) indicates that this name refers to the "very doubtfull *Leiponyx buettikoferi*" from Jentink. (Name Combination, Lapsus)

1906. *Roussettus buttikoferi:* Johnston, Liberia, Volume II: 690 - footnote. (Name Combination)

1953. *Pterocyon palaeceus:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 44. - Comments: Lapsus: see Meester *et al.* (1986: 28). (Lapsus)

1975. *Pterocyon palaceus:* Koopman, Bull. Am. Mus. Nat. Hist., 154 (4): 357. - Comments: Lapsus: see Meester *et al.* (1986: 28). (Lapsus)

2000. *Eidolon helvum annobonensis* Juste, Ibáñez and Machordom, Biol. J. Linn. Soc., 71: 373. Type locality: Equatorial Guinea: Annobón Island [01 24 N 05 38 E].

? *Eidolon helvum helvum:* (Current Combination)

GENERAL DISTRIBUTION:
See species, with the exception of SW Arabia.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Cameroon, Chad, Congo, Congo (Democratic Republic of the), Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Mali, Niger, Nigeria, São Tomé and Principé, Senegal, Sierra Leone, Sudan, Tanzania, Uganda.

†Subfamily Propottininae Butler, 1984

*1984. *Propottininae* Butler, Palaeovert., 14 (3): 118, 175. Publication date: 15 November 1984 [Goto Description]. - Comments: Recognized as a subfamily. (Current Combination)

TAXONOMY:
Currently recognized genera of Propottininae: *Propotto* Butler 1984.

†Genus ***Propotto*** Simpson, 1967

*1967. *Propotto* Simpson, Bull. Mus. comp. Zool., 136: 50 [Goto Description]. - Etymology: Meant to imply an antecedent but not necessarily ancestral relative of the potto. Although the valid generic name of the potto too is probably *Perodicticus*, *Potto* has also been used. The valid specific name of the potto is probably *Perodicticus potto* although several other names are also in use (Simpson, 1967). (Current Combination)

TAXONOMY:
Simpson (1967) originally described this as a new genus of primates, within the Lorisiforms. Walker (1969) reexamining the type, noted that it was not a Lorisiform, but rather a fruit bat.

Butler (1984: 178) believed it to be unlikely that *Propotto* is ancestral to any of the living Pteropodid genera.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
If *Archaeopteropus*, from the Oligocene of Italy, is removed from the Megachiroptera following Russell and Sigé (1970), *Propotto* becomes the oldest known member of the suborder (Butler, 1978).

†***Propotto leakeyi*** Simpson, 1967

*1967. *Propotto leakeyi* Simpson, Bull. Mus. comp. Zool., 136: 50 [Goto Description]. - Etymology: Named for Dr. Louis Seymour Bazett Leakey, "in gratitude and admiration" (Simpson, 1967). (Current Combination)

TAXONOMY:
Simpson (1967) originally described this as a new species of primate, within the Lorisiforms. Walker (1969) reexamining the type, noted that it was not a primate, but rather a fruit bat.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Early Miocene, Songhor (Simpson, 1967; Walker, 1969), probably Rusinga (Butler, 1978).

Subfamily Pteropodinae Gray, 1821

*1821. *Pteropodinae* Gray, London Med. Repos., 15: 299. (Current Combination)
1866. *Epomophorina* Gray, Proc. zool. Soc. Lond., 1866, I (v): 65. Publication date: May 1866. - Comments: Not included in Simmons (2005) since it was not proposed as family name, but as a subdivision within the Pteropodidiae (Simmons, pers. comm.).
1912. *Cynopterinae* K. Andersen, Cat. Chiroptera Brit. Mus. Publication date: 23 March 1912. - Comments: Bergmans (1997: 69) considers this a valid subfamily in which he includes the genera *Cynopterus, Ptenochirus, Megaerops, Dyacopterus, Balionycteris, Chironax, Thoopterus, Sphaerias, Aethalops, Penthetor, Latidens, Alionycteris, Otopteropus, Haplonycteris*.
1912. *Pteropinae* K. Andersen, Cat. Chiroptera Brit. Mus. Publication date: 23 March 1912. - Comments: Bergmans (1997: 64) assigned it to Gray, 1821.
1970. *Cynopterini* Koopman and J.K. Jones Jr., Classification of Bats. - Comments: Not included in Simmons (2005) since it was not proposed as family name, but as a subdivision within the Pteropodidiae (Simmons, pers. comm.).

TAXONOMY:
Currently recognized genera of Pteropodinae: *Acerodon* Jourdan, 1837, *Desmalopex* Miller, 1907, *Macroglossus* F. Cuvier, 1824, *Melonycteris* Dobson, 1877, *Mirimiri* Helgen, 2005, *Neopteryx* Hayman, 1946, *Notopteris* Gray, 1859, *Pteralopex* Thomas, 1888, ***Pteropus*** Brisson, 1762, *Styloctenium* Matschie, 1899, *Syconycteris* Matschie, 1899.

Genus ***Pteropus*** Erxleben, 1777

*1777. *Pteropus* Erxleben, Systema Regni Animalis, ed. 2: 12, 153 [Goto Description]. - Comments: Type species: *Vespertilio vampirus niger* Kerr, 1792. Allen (1939a: 59), Corbet and Hill (1992: 57), and Simmons (2005) mention Brisson, 1762 [Règne Animal, ed. 2, pp. 13, 153] as author. This name, however, is not available (see Hopwood, 1947). The first occurrence of *Pteropus* [as "PTEROPVS"] in Erxleben (1777) seems to be on page 1300. - Etymology: From the Greek "*πτερόπους*", meaning wing-footed, referring to the wing membrane which arises from the side of the back and the back of the second toe (see Palmer, 1904: 596; Jones and Kunz, 2000: 5). (Current Combination)
1799. *Spectrum* Lacépède, Tabl. Div. Subd. Orders Genres Mammifères, 15. - Comments: Type species: *Vespertilio vampirus niger* Kerr, 1792. Preoccupied by *Spectrum* Scopoli, 1777 [Lepidoptera] (see Allen, 1939a: 59; Corbet and Hill, 1992: 57; Pavlinov *et al.*, 1995: 62; Miller and Wilson, 1997: 1; Jones and Kunz, 2000: 1). - Etymology: From the Latin "*spectrum*", meaning apparition or specter (see Palmer, 1904: 638).
1866. *Eunycteris* Gray, Proc. zool. Soc. Lond., 1866, I (v): 64. Publication date: May 1866. - Comments: Type species: *Pteropus phaiops* Temminck, 1837 (=*Pteropus melanopogon* Peters, 1867).
1870. *Pselaphon* Gray, Catalogue of Monkeys, Lemurs and Fruit-eating bats in the collection of the British Museum London, 110. - Comments: Type species: *Pteropus pselaphon* Layard, 1829. - Etymology: From the Greek "*ψηλαφάω*", meaning to grope about (see Palmer, 1904: 588).
1899. *Sericonycteris* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 6, 30. - Comments: Type species: *Pteropus rubricollis* E. Geoffroy Saint-Hilaire, 1810 (= *Pteropus subniger* Kerr, 1792). Originally described as a subgenus of *Pteropus*. Matschie dated his introduction on 14 May 1899. - Etymology: From the Greek "*σηρικόν*", meaning silk and "*νυκτερίς*", meaning bat (see Palmer, 1904: 627).
2011. *Pterocarpus* Mishra, Rout and Panda, Afr. J. Pharm. Pharmacol., 5 (1): 6. Publication date: January 2011. - Comments: Not of Jacquin, 1763, which is a pantropical genus of trees in the family Fabaceae (see http://en.wikipedia.org/wiki/Pterocarpus). (Lapsus)

TAXONOMY:
See Bergmans (1991) and Simmons (2005: 334). The International Commission on Zoological Nomenclature ruled in favor of rejecting Brisson (1762), but conserved several of the generic names including *Pteropus* (Opinion 1894, ICZN

1998). Formerly included *arquatus* and *leucotis* which were transferred to *Acerodon* by Musser et al. (1982a).

O'Brien *et al.* (2009) examined the western Indian Ocean member of the genus *Pteropus*, based on three mitochondrial genes – cytochrome *b*, 12S rRNA, and a portion of the control region. The combined data set indicates the lack of reciprocal monophyly in western Indian Ocean *Pteropus*. With the expetion of *P. livingstonii* and *P. voeltzkowi*, the other regional taxa demonstrate little genetic differentiation. The resulting poytomy indicates rapid and presumably recent divergence. Almeida *et al.* (2014: 83) studied the cytochrome *b* and the 12S rRNA mitochondrial genes sequences for all *Pteropus* species and some additional sequences of the nuclear RAG1, vWF, and BRCA1 genes for a subsample of taxa. Their conclusions were that the genus as a whole is monophyletic (originating in the Miocene), but also that the monophyly of the traditional species-groups could not be substantiated. They subdivided the genus in 13 species groups, where *livingstonii* and *voeltzkowi* are the only members of the "*livingstonii*" group. *aldabrensis, niger, rodricensis, rufus*, and *seychellensis* are part of the "*vampyrus*" group, whereas the extinct *subniger* could not be tested and is tentatively placed in an "*incertae sedis*" group.

Known species of *Pteropus*: *admiralitatum* Thomas, 1894 – Solomon Isls; Admiralty Isls, New Britain, and Tabar Isl (Bismarck Arch.) (Simmons, 2005: 334); ***aldabrensis*** True, 1893; *alecto* Temminck, 1837 – Sulawesi, Saleyer Isl, Lombok, Bawean Isl, Kangean Isls, Sumba Isl, and Savu Isl (Indonesia); north and east Australia; south New Guinea (Simmons, 2005: 335); *allenorum* Helgen, Helgen and Wilson, 2009; *anetianus* Gray, 1870 – Vanuatu including Banks Isls (Simmons, 2005: 335); *argentatus* Gray, 1844; *aruensis* Peters, 1867 – Aru Isls (Indonesia) (Simmons, 2005: 335); *banakrisi* Richards and Hall, 2002 – Moa Isl (Australia) (Simmons, 2005: 335); *brunneus* Dobson, 1878 – Percy Isl., Queensland (Australia) (Simmons, 2005: 335); *caniceps* Gray, 1870 – Halmahera (Indonesia) (Simmons, 2005: 335); *capistratus* Peters, 1876 – Bismarch Arch. (Papua New Guinea) (Simmons, 2005: 336); *chrysoproctus* Temminck, 1837 – Ambon, Buru, Seram, and small islands east of Seram (Indonesia) (Simmons, 2005: 336); *cognatus* K. Andersen, 1908 – Makira and Uki Ni Masi Isls (Solomon Isls) (Simmons, 2005: 336); *conspicillatus* Gould, 1850 – north Moluccas (Indonesia), New Guinea and West Papuan Isls (Raja Ampat Isl, off northwest coast of New Guinea), northeast Queensland (Australia) (Simmons, 2005: 336); *coxi* Helgen, Helgen and Wilson, 2009; *dasymallus* Temminck, 1825 – Taiwan, Ryuku Isls, and extreme southern Kyushu (Japan), Batan, Dalupiri, and Fuga Isls (Philippines) (Simmons, 2005: 337); *faunulus* Miller, 1902 – Nicobar Isls (India) (Simmons, 2005: 337); *fundatus* Felten and Kock, 1972 – Banks Isls (Vanuatu) (Simmons, 2005: 337); *giganteus* (Brünnich, 1782) – Maldive Isls, India (incl. Andama Isl), Sri Lanka, Pakistan, Bangladesh, Nepal, Burma (Simmons, 2005: 337); *gilliardorum* Van Deusen, 1969 – New Britain and New Island (Bismarck Arch., Papua New Guinea) (Simmons, 2005: 337); *griseus* (E. Geoffroy, 1810) – Timor, Samao Isl, Dyampea Isl, Bonerato Isl, Saleyer Isl, Paternoster Isls, Pelang Isl, Sulawesi, and Banda Isls (Indonesia) (Simmons, 2005: 337); *howensis* Troughton, 1931 – Ontong Java Isl (Solomon Isls) (Simmons, 2005: 338); *hypomelanus* Temminck, 1853 – Andaman and Maldive Isls, New Guinea through Indonesia to Vietnam and Thailand, and adjacent islands, Philippines (Simmons, 2005: 338); *insularis* Hombron and Jacquinot, 1842 – Truk Isls (Micronesia) (Simmons, 2005: 338); *intermedius* K. Andersen, 1908 – southern Burma and western Thailand (Simmons, 2005: 338); *keyensis* Peters, 1867 – Kai Isls (Indonesia) (Simmons, 2005: 339); *leucopterus* Temminck, 1853 – Luzon, Catanduanes, and Dinagat Isls (Philippines) (Simmons, 2005: 339); ***livingstonii*** Gray, 1866; *lombocensis* Dobson, 1878 – Lombok, Sumbawa, Komodo, Flores, Lembata, Pantar, Alor and Timor Isls (Indonesia) (Simmons, 2005: 339); *loochoensis* Gray, 1870 – Okinawa Isl, Ryûkyû Isls (Japan) (Simmons, 2005: 339); *lylei* K. Andersen, 1908 – Thailand, Vietnam, Cambodia (Simmons, 2005: 339); *macrotis* Peters, 1867 – New Guinea, Aru Isls (Indonesia), Boigu Isl (Australia) (Simmons, 2005: 340); *mahaganus* Sanborn, 1931 – Bougainville Isl (Papua New Guinea), Ysabel Isl and Choiseul Isl (Solomon Isls) (Simmons, 2005: 340); *mariannus* Desmarest, 1822; *melanopogon* Peters, 1867 – Amboina, Buru, Seram, Banda Isls, Yamdena (= Timor Laut), and adjacent islands (Indonesia) (Simmons, 2005: 340); *melanotus* Blyth, 1863 – Nicobar and Andaman Isls (India), Engano Isl and Nias Isl (Indonesia), Christmas Isl. (Simmons, 2005: 340); *molossinus* Temminck, 1853 – Pohnpei (= Ponape) and possibly Mortlock Isls (Caroline Isls, Micronesia) (Simmons, 2005: 341); *neohibernicus* Peters, 1876 – Bismarck Arch. and Admiralty Isls (Papua New Guinea), New Guinea, Misool and Gebi Isls, Gag Isl (Simmons, 2005: 341); ***niger*** (Kerr, 1792); *nitendiensis* Sanborn, 1930 – Nendö and Tömotu Neo (in the Santa Cruz Isls, Solomon Isls) (Simmons, 2005: 341); *ocularis* Peters, 1867 – Seram and Buru (Indonesia) (Simmons, 2005: 341); *ornatus* Gray, 1870 – New Caledonia and Loyalty Isls (Simmons, 2005: 342); *pelagicus* Kittlitz, 1836; *pelewensis* K. Andersen, 1908 –

Pelew Isls (Micronesia) (Simmons, 2005: 342); *personatus* Temminck, 1825 – North Molucca Isls (Halmahera and Obi Isl groups), and Gag (Simmons, 2005: 342); *pilosus* K. Andersen, 1908 – Pelew Isls (Micronesia) (Simmons, 2005: 342); *pohlei* Stein, 1933 – Yapen, Biak-Spiori, Numfoor, and Rani Isls (off northwestern New Guinea) (Simmons, 2005: 342); *poliocephalus* Temminck, 1825 – Eastern Australia, from southern Queensland to Victoria (Simmons, 2005: 342); *pselaphon* Lay, 1829 – Bonin and Volcano Isls (Japan) (Simmons, 2005: 342); *pumilus* Miller, 1911 – Philippines (except Palawan region), Talaud Isls (Indonesia) (Simmons, 2005: 343); *rayneri* Gray, 1870 – Bougainville and Buka Isls (Papua New Guinea), Solomon Isls (Simmons, 2005: 343); *rennelli* Troughton, 1929 – Rennell Isl (Solomon Isls) (Simmons, 2005: 343); ***rodricensis*** Dobson, 1878; ***rufus*** E. Geoffroy, 1803; *samoensis* Peale, 1848 – Fiji Isls, Samoan Isls (Simmons, 2005: 344); *scapulatus* Peters, 1862 – Australia, southern New Guinea, accidental on New Zealand (Simmons, 2005: 344); ***seychellensis*** Milne-Edwards, 1877; *speciosus* K. Andersen, 1908 – Philippines, Besar and Mata Siri (Java Sea), Talaud Isls (Simmons, 2005: 344); ***subniger*** (Kerr, 1792); *temminckii* Peters, 1867 – Buru, Ambon, Seram (Indonesia), nearby small islands, perhaps Timor Isl (Indonesia) (Simmons, 2005: 345); *tokudae* Tate, 1934 – Guam (Mariana Isls, USA) (Simmons, 2005: 345); *tonganus* Quoy and Gaimard, 1830 – Karkar Isl (off northeastern New Guinea) and Rennell Isl (Solomon Isls), south to New Caledonia, east to Cook Isls (Simmons, 2005: 345); *tuberculatus* Peters, 1869 – Vanikoro Isl (Santa Cruz Isls, Solomon Isls) (Simmons, 2005: 345); *ualanus* Peters, 1883 – Kosrae (Micronesia) (Simmons, 2005: 345); *vampyrus* (Linnaeus, 1758) – Vietnam, Burum, Malay Peninsula, Borneo, Philippines, Sumatra, Java, and Lesser Sunda Isls, adjacent small islands including Anak Krakatau (Simmons, 2005: 346); *vetulus* Jouan, 1863 – New Caledonia (Simmons, 2005: 346); ***voeltzkowi*** Matschie, 1909; *woodfordi* Thomas, 1888 – New Georgia group, Russell and Florida Isls, Guadalcanal, Malaita (Solomon Isls) (Simmons, 2005: 346); *yapensis* K. Andersen, 1908 – Yap Isls (Simmons, 2005: 346).

COMMON NAMES:
Czech: praví kaloni, upírové. Dutch: Kalongs. English: Flying-foxes, Flying Foxes. French: Renards volants, Roussettes géantes. German: Flugfüchse.

GENERAL DISTRIBUTION:
McNab (2009: 156) indicates that *Pteropus* "is primarily an island taxon, with 55 species (of the 57 species or 96.5 %) having some or all of their distribution on islands". Furthermore, McNab (2009: 158) states that the distributional pattern of *Pteropus* on islands is extremely variable, with some species being limited to small islands (e.g. *P. voeltzkowi* on Pemba, *P. livingstonii* on Anjouan and perhaps on Mohéli in the Comoros, *P. rodricensis* on Rodrigues, and *P. niger* on Mauritius, and other (Asian) species on islands that are hundreds or even thousands of kilometers apart.

BIOGEOGRAPHY:
Kingdon (1989) suggested that *Pteropus* doesn't occur in central parts of the continent since it might depend on seawater as source of salts. This is rejected by McNab and Armstrong (2001: 710) as this would not explain why there are no representatives of this genus in the African coastal areas.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Ethiopia, Madagascar, Mauritius, Réunion, Seychelles, Tanzania.

Pteropus aldabrensis True, 1893

*1893. *Pteropus aldabrensis* True, Proc. U.S. Natl. Mus., 16 (948): 533. Publication date: 14 July 1893. Type locality: Seychelles: Aldabra Island. Syntype: USNM 20984: ♂, skin and skull. Collected by: Dr. William Louis Abbott; collection date: 26 September 1892. Syntype: USNM 20985: ♂, skin and skull. Collected by: Dr. William Louis Abbott; collection date: 1892. - Comments: USNM 20984/36053 + 20985/36054: "cotypes" (syntypes); ad ♂♂, SS; coll. W.L. Abbott, 26 September 1892 and 5 October 1892: see Poole and Schantz (1942: 139), who also indicate "No type is specified in the original description, but these two specimens are mentioned by number and are therefore regarded as cotypes." Catalogued 30 June 1893: see Lyon and Osgood (1909: 256). Fisher and Ludwig (2015: 52) mention that *Proc. U.S. Natl. Mus.* **16**: 1, (published on 14 July 1893) was a "Preprint" of *Proc. U.S. Natl. Mus.* **16**: 533, which was published on 21 October 1893. (Current Combination)

TAXONOMY:
Bergmans (1991) showed that *P. aldabrensis* differs strongly from *P. seychellensis*, a view followed by Simmons (2005: 334).

O'Brien *et al.* (2009) suggested that *P.*

aldabrensis, *P. rufus*, *P. niger* and *P. seychellensis* (including *comorensis*) should be considered geographical forms of a single species *P. giganteus* (Brünnich, 1782) from the Indian subcontinent, Maldives and Andaman archipelagos.

O'Brien (2011: 261) indicates that the last complete innundation of the Alabra atoll occurred some 125,000 years ago, and that the diversitication of *Pteropus* in the area is therefore of recent age.

Almeida *et al.* (2014: 83) places this in the 'vamprus' group.

COMMON NAMES:
Czech: kaloň aldabránský. English: Aldabra Flying Fox, Aldabra Flying-fox. French: Renard volant d'Aldabra. German: Aldabra-Flugfuchs. Spanish (Castillian): Zorro volador de Aldabra.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU D2 ver 3.1 (2001)) because it is known from only a single location (the Aldabra Atoll), and it is plausible that this restricted range species could be threatened by tropical cyclones, similar stochastic events or a rising sea level (Mickleburgh *et al.*, 2008dh; IUCN, 2009).

Critically endangered - C2a(ii): see Jones *et al.* (2009b: 506). Conenna *et al.* (2017: Suppl.) mention its status as Vulnerable (VU).

Assessment History -
2008 - VU D2 ver 3.1 (2001) (Mickleburgh *et al.*, 2008dh; IUCN, 2009). 2004 - CR C2a(i) ver 3.1 (2001) (Mickleburgh *et al.*, 2004cv; IUCN, 2004).

CITES - Appendix II.

MAJOR THREATS:
The population is probably stable with no declines reported. However, because of the restricted nature of the species range it is considered to be especially vulnerable to threats such as tropical cyclones and rises in sea level (60% of the atoll is at or below 1 m asl.) (Mickleburgh *et al.*, 1992; Hutson, 2004a; Justin Gerlach *pers. comm.,* 2008; Mickleburgh *et al.*, 2008dh; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dh) [in IUCN (2009)] report that although the species is not directly protected (Tony Hutson *pers. comm.,* 2008), the Aldabra Atoll is a highly protected UNESCO World Heritage site and a Special Reserve under the Seychelles National Parks and Nature Conservancy Act (Mickleburgh *et al.*, 1992; Hutson, 2004a: 128). There is a distinct need for additional research into the total population number of this restricted range species and to monitor any changes in abundance (Hutson, 2004a: 128).

GENERAL DISTRIBUTION:
Pteropus aldabrensis is endemic to the Aldabra Atoll (approximately 150 km^2) in the Seychelles. Bats have been recorded from all main islands and have been observed flying between islands of the atoll (Hutson, 2004a; von Brandis, 2004).

Native: Seychelles [Aldabra].

BIOGEOGRAPHY:
See O'Brien *et al.* (2009) for further details.

MOLECULAR BIOLOGY:
DNA - See O'Brien *et al.* (2009) and Almeida *et al.* (2014).
Karyotype - Unknown.
Protein / allozyme - Unknown.

ROOST:
Racey and Nicoll (1984) [in O'Brien (2011: 262)] indicate that *P. aldabrensis* roosts in coconut palms, figs and *Sideroxylon inerme*.

DIET:
Hutson (2004a: 127) mentions that fruits of the following plants are eaten: *Ficus lutea, F. rubra* (as *F. avi-avi*) and *F. reflexa, Calophyllum inophyllum, Terminalia catappa, Mystroxylon aethiopicum*, and also flowers of *Cocos nucifera* and *Agave sisalana*. Roberts and Seabrook (1989) [in Courts (1998: 188)] report that *P. seychellensis aldabrensis* licked coccoids (*Icerya seychellarum*) from the leaves of infested *Ficus* trees, probably to supplement their diets.

POPULATION:
Structure and Density - The population is reported to consist of only a few hundred animals (Cheke and Dahl, 1981; Carroll, 1985). Hutson (2004a) notes that no major colonies were located in 1968, with the largest roosting group on the small lagoon islet of Iles Michel that was probably well under 100 animals. Hutson (2004a) suggests that the total population was fewer than 250 animals in 1968, although he considered that the majority of the population may be present on the relatively little explored Middle Island (= Malabar Island) 26 km^2 in size. von Brandis (2004) reports that large groups of these bats have been recorded in Casuarina trees, with the largest group of more than 100 animals reported at the eastern end of Middle Island (=Malabar Island) in 1995. Conrad Savy (*pers. comm.,* 2008) indicates that the bats were commonly seen in good numbers during

2001 (Mickleburgh *et al.*, 2008dh; IUCN, 2009).

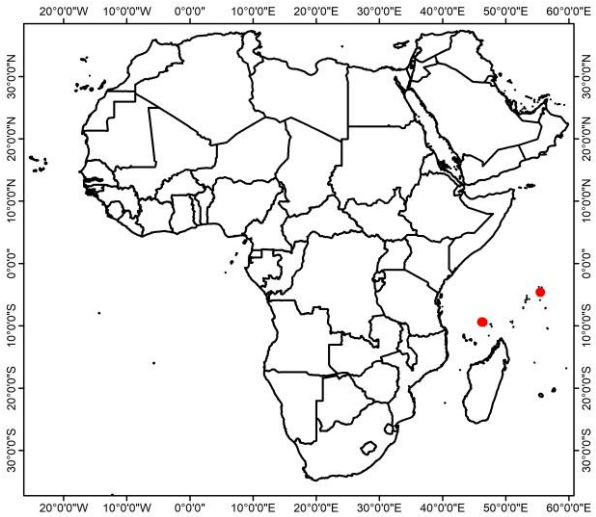

Figure 7. Distribution of *Pteropus aldabrensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: "Africa", Seychelles.

Pteropus livingstonii Gray, 1866

*1866. *Pteropus livingstonii* Gray, Proc. zool. Soc. Lond., 1866, I: 66. Publication date: May 1866. Type locality: Comoros: Anjouan Island. Holotype: BMNH 1863.12.11.2: ad, skin and skull. Collected by: Dr. Livingstone. Presented/Donated by: Earl Russell. See Andersen (1912b: 250). (Current Combination)

1971. *Pteropus livingstonei:* Hayman and Hill, Mammals of Africa: Chiroptera, 10. (Lapsus)

TAXONOMY:
See Bergmans (1991), Simmons (2005: 339) and Smith and Leslie (2006: 1).

P. livingstonii together with *P. voeltzkowi* form the most distinct and ancient lineage of the western Indian Ocean *Pteropus* spp. (O'Brien *et al.*, 2009). The phylogenetic analyses performed by Chan *et al.* (2011: 7) suggest that both are sister species. This is supported by Almeida *et al.* (2014), who places this in the 'livingstoni' group.

COMMON NAMES:
Czech: kaloň komorský. Dutch: Zwarte Komorenkalong, Schoudervlekkalong. English: Comoro Black Flying Fox, Comoro Flying Fox, Black Flying- fox, Livingstone's Flying Fox, Comores Flying Fox. French: Renard volant des Comores, Renard volant noir, la roussette de Livingstone. German: Livingstones Flugfuchs. Spanish (Castillian): Zorro Volador De Livingston.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
No fossils are known (Smith and Leslie, 2006: 2).

CONSERVATION STATUS:
Global - Listed as Endangered (EN A2c; B1ab(iii) ver 3.1 (2001)) because of a serious population decline, estimated to be more than 50% over the next ten years, inferred from ongoing habitat loss and degradation, and because its extent of occurrence is less than 5,000 km^2, all individuals are in fewer than five locations, and there is continuing decline in the extent and quality of its habitat (Mickleburgh *et al.*, 2008t; IUCN, 2009). Daniel *et al.* (2016: 742) recategorized the species to "Critically Endangered".

Assessment History -
2008 - EN A2c; B1ab(iii) ver 3.1 (2001) (Mickleburgh *et al.*, 2008t; IUCN, 2009). 2004 - CR A4c ver 3.1 (2001) (Mickleburgh *et al.*, 2004p; IUCN, 2004). 2002 - CR A1c+2cd, B1+2c, C2a (Mickleburgh *et al.*, 2002a: 22). 1998 - EN A1c+2cd, B1+2c, C2a (Trewhella *et al.*, 1998: 32). 1996 - CR (Baillie and Groombridge, 1996). 1994 - EN (Groombridge, 1994). 1993 - EN (World Conservation Monitoring Centre, 1993). 1990 - EN (IUCN, 1990). 1988 - EN (IUCN Conservation Monitoring Centre, 1988).

CITES -
Appendix II, see Smith and Leslie (2006: 4) for discussion.

MAJOR THREATS:
The species is threatened by the continuing degradation of its forest habitat by conversion of

land to agricultural use, especially the use of lowland areas for export crops (such as cloves). In degraded forest the species is outcompeted by the bat *Pteropus seychellensis* (Mickleburgh *et al.*, 2002a). Tree felling has additionally destroyed a number of roosts (Trewhella *et al.*, 2005). There is also increased disturbance because of human population growth, however, the species is not hunted for food (Trewhella *et al.*, 2005). The small remaining population is additionally potentially threatened in its restricted range by the effects of tropical cyclones (Mickleburgh *et al.*, 2008t; IUCN, 2009). Since Anonymus (2000: 30) points out that this species generally roosts and feeds in native trees, the destruction of these forests can have a devastating effect, especially since *P. livingstonii* uses different tree species for food during different seasons.

Sagot and Chaverri (2015: 1670) mention roost loss or disturbance, and habitat degradation or loss as major threats for this species. Daniel *et al.* (2016: 743) indicate that the estimated forest loss between 2000 and 2010 was 9.3 % per annum.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008t) [in IUCN (2009)] report that a species action plan developed by the NGO Action Comoros is being implemented for this species (Sewall *et al.*, 2003). A national environmental education programme has been implemented to raise awareness of this species (Trewhella *et al.*, 2005). National legislation to protect this species is being developed (Trewhella *et al.*, 2005) and work has begun to establish a forest reserve for this bat on Moheli and on evaluating a site for a reserve on Anjouan (Trewhella *et al.*, 2005). Sewall (2004: 10) suggests that the protection of specific "bat trees" can already provide a short-term solution.

Since 1992, there is an active captive-breeding programme underway for this species initiated by the Durrell Wildlife Conservation Trust and the Bristol Zoo, where 35 animals are housed, of which 21 were born in captivity (Anonymus, 2000: 31). At the Jersey Wildlife Preservation Trust (JWPT), 6 bats (5 ♂♂ and 1 ♀) were imported from the Comores in 1992, and a second group with the same composition was imported in 1993, followed by an additional ♀ in 1995 (Carroll and Feistner, 1996: 334).

GENERAL DISTRIBUTION:
Pteropus livingstonii is endemic to two of the four Comoro Islands: Anjouan (formerly Johanna) and Moheli (Trewhella *et al.*, 2001; Smith and Leslie, 2006: 1). On Anjouan, the species avoids lower parts of the island below 300 to 1100 m asl, and on Moheli between 150 to 700 m asl.

Native: Comoros (Cheke and Dahl, 1981; Clark *et al.*, 1997; Trewhella *et al.*, 2001; Smith and Leslie, 2006: 1; Goodman *et al.*, 2010c: 124).

GEOGRAPHIC VARIATION:
See Smith and Leslie (2006: 1).

General description of exernal morphology:
See Smith and Leslie (2006: 1).

DETAILED MORPHOLOGY:
Baculum - Unknown

For a description of the cranium, teeth, ear and tragus, and wingshape and aspect ratio see Smith and Leslie (2006: 1-2).

Dickson *et al.* (2016: 963) and Killick *et al.* (2017: 1077) studied cardiomyopathies on a group of captive bats, where dilated cardiomyopathy may be a major cause of death (Drane *et al.*, 2017: 89).

SEXUAL DIMORPHISM:
It is not clear if sexual dimorphism occurs in *P. livingstonii* due to insufficient numbers of adult females have been difficult to collect in the wild (Clark *et al.*, 1997; Trewhella *et al.*, 2005; Young *et al.*, 1993; Smith and Leslie, 2006: 2).

ECHOLOCATION:
Not known to echolocate.

MOLECULAR BIOLOGY:
DNA - See O'Brien *et al.* (2009) and Almeida *et al.* (2014).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
See Smith and Leslie (2006: 3).

HABITS:
See Smith and Leslie (2006).

Based on wing morphology, Lindhe Norberg *et al.* (2000) classified *P. livingstonii* as a soaring species.

ROOST:
See Smith and Leslie (2006). Anonymus (2000: 30) indicates that *P. livingstonii* roosts in tall trees in the rain forest, at medium altitude. These nesting trees are, in general, local species. Trewhella *et al.* (2001) indicate that day-roost sites are also shared with *P. s. commerensis*. Daniel *et al.* (2016: 747) indicate that only four tree species were used as roost on Mohéli [M] and 12 on Anjouan [A]: *Ficus exasperata* Vahl (sandpaper tree, forest sandpaper fig, white fig, or sandpaper

leaf tree) [M+A], *Gyrostipula comoriensis* J.-F. Leroy [A], *Gambeya* spp. [A], *Ficus lutea* Vahl (giant-leaved fig or Lagos rubbertree) [A], *Nuxia pseudodentata* Gilg [A], *Albizia lebbeck* (L.) Benth. (lebbeck, lebbek tree, flea tree, frywood, koko and woman's tongue tree) [M], *Ocotea comoriensis* Kosterm. [A], *Weinmannia comoriensis* Tul. [A], *Brachylaena ramiflora* (DC.) Humbert [A], *Ficus pirifolia* Lamk. [A], *Terminalia catappa* L. (country-almond, Indian-almond, Malabar-almond, sea-almond, tropical-almond or false kamani) [M], *Antidesma hildebrandtii* Pax & K. Hoffm. [A], *Albizia glaberrima* (Schumach. & Thonn.) [A], *Khaya comorensis* (Comorian mahogany) [M], *Cryptocarya* spp. [A]

Granek (2000: 29 - 30) determined the following roost site characteristics:
1) between 500 and 1,100 m in elevation,
2) steeply sloped land,
3) some native forest cover was present,
4) presence of water in the same valley,
5) presence of an east- or south-facing slope
6) the valley was protected by mountains on three sides, forming a 'bowl' (protecting them from the wind and the mid-day sun),
7) presence of the following tree species: *Gambeya* sp. and *Nuxia pseudodentata*.
However, Granek (2002: 95) indicates that there was no significant association between the bat roosts and characteristics 1, 2 and 3.

MIGRATION:
Intra-island movement among roosts is likely, but inter-island movement is unknown (Smith and Leslie, 2006: 3).

DIET:
See Smith and Leslie (2006: 3). Kock and Nader (1984: 30 - 31) and Sewall (2004:10) point out that this species almost completely feeds on native trees, and changes tree species according to the season. One of its favourite foods is the fruit of a giant-leaved fig tree (*Ficus lutea*) (Sewall, 2004: 9 - 10). Young *et al.* (1993) [in Carroll and Feistner (1996: 330)] indicate that *R. obliviosus* and *P. livingstonii* were captured at the same kapok and fig feeding sites on Anjouan, which would suggest that their feeding niches might overlap. However, they also indicate that there might be a vertical separation between the two species.
Nectar and fruits of the Moraceae family form an important part of the diet, while pollen is not important Cotterill (1995).
Courts (1998: 189) reports that captive animals catch and eat insects flying by.

PREDATORS:
See Smith and Leslie (2006).

POPULATION:
Structure and Density - In 2002 there were estimated to be 1,200 bats in 20 roosts, many of which have been recently located as a result of the implementation of a national environmental education programme (Trewhella *et al.*, 2005). Sewall (2009: 3) indicates that the population might count 1,200 - 1,500 animals. Prior to the national environmental education programme there were estimated to be fewer than 200 bats.

During an extensive survey in 2011 - 2012, Daniel *et al.* (2016: 742) estimated the population size to be about 1,260 animals, distributed over 21 roosts on Anjouan and Mohéli.

Also see Smith and Leslie, 2006: 1).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008t; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 15 years.

ACTIVITY AND BEHAVIOUR:
See Smith and Leslie (2006: 1).

REPRODUCTION AND ONTOGENY:
See Smith and Leslie (2006: 2).

Szekely *et al.* (2015: Suppl.) mention a gestation period of 152 days. At birth, the young weights 137 g (adult weight: 696.5 g).

MATING:
See Smith and Leslie (2006).

Riccucci (2011: 141) reports on same sex sexual behaviour in captive held *P. livingstonii*.

UTILISATION:
Is not hunted for food (Trewhella *et al.*, 2005).

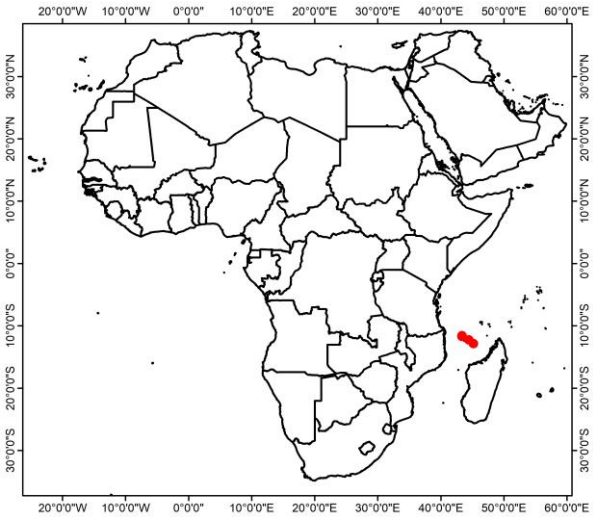

Figure 8. Distribution of *Pteropus livingstonii*

Comoros, Mayotte.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:

Pteropus niger (Kerr, 1792)

*1792. *Vespertilio vampirus niger* Kerr, in: Linnaeus, Animal Kingdom, 1 (1): xvii, 90. Publication date: February 1792. Type locality: Réunion: "Réunion island". - Comments: Andersen (1912b: viii) mentions that the type was once in the ancient Royal Cabinet in Paris, but is probably no longer in existence.

1797. *Vespertilio caninus* Blumenbach, Handb. Naturg, 5 ed.: 73. - Comments: Pavlinov *et al.* (1995) consider *caninus* to be a synonym of *vampyrus*, but Andersen (1912b: 220) indicates this is a synonym of *niger* Kerr, 1792. The name was originally proposed as a replacement for *V. vampyrus* L., but this includes *vampyrus*, *rufus* and *niger*. Andersen also indicates that Goldfuss' plate of "*V. caninus*" Blumenbach (1809), is a copy of Schreber's plate xiv, which is *Pteropus niger*.

1803. *Pteropus fuscus* E. Geoffroy Saint-Hilaire, Catalogue des Mammifères du Muséum national d'Histoire naturelle, Paris, 46. Type locality: Réunion: Réunion and Madagascar [Goto Description]. - Comments: Andersen (1912b: 220) mentions that Geoffroy based himself on three specimens "viz., two mounted specimens (wings expanded), sent from Réunion by de la Nux (nos. 86 and 87), and a third 'envoyé de Madagascar, par le citoyen Macé, naturaliste' (no. 88)". Andersen also indicates that specimen 88 (from Madagascar) was probably obtained from a dealer. He was also unable to find any of these specimens.

1804. *V[espertilio] mauritianus* Hermann, Obs. Zool. , 19. Publication date: 31 August 1804. Type locality: Mauritius: "Mauritius" [Goto Description].

1808. *Pteropus rufus:* Tiedemann, Zool, 1808: 535. Type locality: Madagascar: "Madagascar". - Comments: Not of E. Geoffroy Saint-Hilaire, 1803, but see).

1810. *Pteropus vulgaris*E. Geoffroy Saint-Hilaire, Ann. Mus. Hist. nat. Paris, 15: 92. Type locality: Réunion: Réunion and Madagascar: Restricted to Réunion by Andersen (1912b: 221), due to the type locality for *Pteropus fuscus* is Réunion. Holotype: MNHN A.1.C.18 - 745H - 154: ad ♂, mounted skin (skull not removed). - Comments: A redescription and renaming of *Pteropus fuscus* Geoffroy, 1803 (see Andersen, 1912b: 221).

1870. *Spectrum vulgare* Gray, Catalogue of Monkeys, Lemurs and Fruit-eating bats in the collection of the British Museum London, 100. Type locality: Mauritius, Réunion, ? Madagascar [Goto Description].

1895. *Pteropus pteropus* Merriam, Science, N.S. 1 (14): 376. Publication date: 5 April 1895. Type locality: Réunion: Réunion and Madagascar. - Comments: Combination introduced into literature by Merriam on the mistaken supposition that Brisson's nomenclature was binomial (see Andersen, 1912b: 223).

? *Pteropus niger:* (Name Combination, Current Combination)

TAXONOMY:
See Bergmans (1991) and Simmons (2005: 341).

O'Brien *et al.* (2009) suggested that *P. aldabrensis*, *P. rufus*, *P. niger* and *P. seychellensis* (including *comorensis*) should be considered geographical forms of a single species *P. giganteus* (Brünnich, 1782) from the Indian subcontinent, Maldives and Andaman archipelagos.

Almeida *et al.* (2014: 85) place *P. niger* in the "*vampyrus*" group.

COMMON NAMES:
Czech: kaloň mauricijský. English: Greater Mascarene Flying Fox, Mascarene Flying-fox, Mauritian Flying Fox. French: Renard volant de l'île de Mascarene, Renard volant de Maurice, Renard volant des Mascaraignes, Roussette noire, grande Roussette des Mascareignes. German: Grosser Maskarenen-Flugfuchs. Spanish (Castillian): Zorro volador negro de Mauricio.

CONSERVATION STATUS:
Global - Listed as Endangered (EN B1ab(iii,v) ver 3.1 (2001)) because its extent of occurrence is less than 5,000 km^2 (Mauritius is 1,860 km^2), its entire range is restricted to only one island (and possibly one other island), and there is continuing decline in the extent and quality of its habitat, as well as the number of mature individuals due to hunting pressure, and culling of the species (Jenkins *et al.*, 2008k; IUCN, 2009).

Conenna *et al.* (2017: Suppl.) mention its status as Vulnerable (VU).

Assessment History -
2008 - EN B1ab(iii,v) ver 3.1 (2001) (Jenkins *et al.*, 2008k; IUCN, 2009). 1996 - VU A1d+2cd ver 2.3 (1994) (Baillie and Groombridge, 1996). 1994 - VU A1d+2cd ver 2.3 (1994) (Groombridge, 1994). 1993 - VU (World Conservation Monitoring Centre, 1993). 1990 - VU (IUCN, 1990). 1988 - VU. 1986 - Rare (IUCN Conservation Monitoring Centre, 1986). 1981 - VU: A1d+2cd. Extinct on Réunion Island (see Cheke and Dahl, 1981).

CITES - Appendix II

MAJOR THREATS:
Like other *Pteropus* species in the region, this species is threatened by cyclones, the removal of feeding and roosting trees, and persecution/hunting by people (Carroll and Feistner, 1996). Up until recently populations of this species were considered healthy because of the lack of any severe cyclones, and active protection (Nyhagen, 2004). In October 2006 the government endorsed a culling programme for 2,000 bats because of their perceived role in inflicting serious economic damage on lychees. This is obviously in conflict with the fact that the species is protected under the Wildlife and National Parks Act 1993. Only six bats were officially culled, despite illegal hunting parties being known to kill up to a few hundred bats in one night. The law is currently being revised and it is unknown whether further culling will be supported, although most likely it will be (Jenkins *et al.*, 2008k; IUCN, 2009).

Olival (2015: 6) reviews why culling is not an effective means to mitigate conflicts between fruit growers and bats, nor to reduce the likelihood of zoonotic disease risk.

Florens (2015: 1325; 2016: 33) indicated that the official population estimates are between 90,000 and 1,000,000 bats. The government set a cull target of 20 %, which resulted in the death of 20,000 bats. However, as the real number of bats accounted for about 50,000 animals, this meant that about half of the population was eradicated.

CONSERVATION ACTIONS:
Jenkins *et al.* (2008k) [in IUCN (2009)] report that *P. niger* became a protected species in 1993 on Mauritius (Nyhagen *et al.*, 2005) and is reported to occur in protected areas, including the Black River Gorges National Park (Nyhagen, 2004), nature reserves and mountain reserves. There is a clear need to assess the population size, population dynamics, response to cyclones, assess relative fruit predation, roosting habitat requirements and impact of culling on this species and effectiveness of netting trees to prevent foraging.

GENERAL DISTRIBUTION:
Historically, *Pteropus niger* is distributed within the Mascarene Islands (Reunion Island, Mauritius Island, subfossil on Rodriquez Island). Since becoming extirpated from La Réunion in the early eighteenth century, this species has been restricted to the western Indian Ocean island of Mauritius. In 2007 a small colony of *P. niger* (up to 6 individuals) was located on La Réunion, though a few individuals have been observed on previous occasions over the past decade, most likely blown over from Mauritius by annual cyclones. Breeding within this small population on La Réunion is suspected but not confirmed.
Caceres (2010: 9) mentions that the orginal population disappeared from La Réunion between 1772 and 1801.

Native: Mauritius; Réunion.

BIOGEOGRAPHY:
See O'Brien *et al.* (2009) for further details.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
The adult's weight is on average 456.3 g (see Szekely *et al.*, 2015: Suppl.).

MOLECULAR BIOLOGY:
DNA - See O'Brien *et al.* (2009).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITS:
P. niger is primarily nocturnal, but Nyhagen *et al.* (2005: 492) observed some specimens foraging during the day.

ROOST:
On La Réunion, Caceres (2010: 14) reported that Yellow jade orchid tree (*Michelia champaca,* Chinese fan palm (*Livistona chinensis*), Longan (*Dimocarpus longan*), soft bollygum (*Litsea glutinosa*) and Wampee (*Clausena lansium*) are used as roosting trees. These roost trees can be used for several years, although during the year several roosts on different places of the island can be used.

DIET:
Nyhagen *et al.* (2005: 493) reported that on Mauritius, *P. niger* ate 22 plant species, 20 of which were visited for fruit, two for floral resources and one for leaves (of *Diospyros tessellaria* both fruits and flowers were eaten). Nyhagen (2004: 120) described the characteristics, which fruit eaten by *P. niger* posses: easily accessible (95 %), medium size (47 %), medium size seed (68 %), vivid colours (53 %), sweet smell (58 %), sweet flavour (74 %), and not juicy, i.e. low water content (58 %). Four of the plant species (*Artocarpus*

heterophyllus, Diospyros tessellaria, Mangifera indica and *Mimusops petiolaris*) possess five of these seven characteristics. Nyhagen (2004: 122) also mentions that this bat is the only native vertebrate to feed on fruits of *Labourdonnaisia glauca*.

Seltzer *et al.* (2013: table S2) provide an overview of the plant species found beneath bat feeding roosts. For *P. niger* these include *Psidium guajava* L. (apple guava - Myrtaceae) and *Syzygium jambos* L. (Alston) (Malabar Plum - Myrtaceae).

Florens *et al.* (2017: 89) provided the following list of fruits eaten by *P. niger*: Aphoiaceae: *Aphloia theiformis* (Vahl) Benn.; Apocynaecae: *Tabernaemontana persicariifolia* Jacq.; Araliaceae: *Polyscias maraisiana* (Marais) Lowry & G.M. Plunkett (Ox tree); Arecaceae: *Dictyosperma album* (Bory) H. Wendl. & Drude ex-Scheff. (princess palm, hurricane palm), *Hyophorbe lagenicaulis* (L.H. Bailey) H.E. Moore (bottle palm, palmiste gargoulette), *Latania loddigesii* Martius (Latanier de l'île Ronde, Latanier de Maurice); Burseraceae: *Protium obtusifolium* (Lam.) Marchand; Calophyllaceae: *Calophyllum tacamahaca* Willd., 1811; Celastraceae: *Cassine orientalis* (Jacq.) Kuntze (bois d'olive); Chrysobalanaceae: *Grangeria borbonica* Lam., 1789; Combretaceae: *Terminalia bentzoe* (L.) L. f.; Ebenaceae: *Diospyros egrettarum* I. Richardson, *Diospyros tessellaria* Poir. (black ebony, Mauritian ebony), *Diospyros melanida* Poir.; Elaeocarpaceae: *Elaeocarpus integrifolius* Lam.; Lecythidaceae: *Foetidia mauritiana* Lam.; Loganiaceae: *Geniostoma borbonicum* (Lam.) Spreng.; Melastomataceae: *Warneckea trinervis* (DC.) Jacq.-Fél.; Moraceae: *Ficus reflexa* Thunb., *Ficus rubra* Vahl, 1805, *Ficus mauritiana* Lam.; Myrtaceae: *Eugenia alletiana* Baider & V. Florens, *Eugenia elliptica* Lam., 1789, *Eugenia pollicina* J. Guého & A.J. Scott, *Eugenia lucida* Lam., *Eugenia tinifolia* Lam., *Syzygium glomeratum* (Lam.) DC., *Syzygium populifolium* (Baker) J. Guého & A.J. Scott, 1980; Pandanaceae: *Pandanus eydouxia* Balf. f., *Pandanus utilis* Bory; Pittosporaceae: *Pittosporum senacia* Putt.; Rubiaceae: *Pyrostria borbonica* (J.F. Gmelin) Razafim. & B. Bremer; Salicaceae: *Ludia mauritiana* J.F. Gmelin, 1791; Sapindaceae: *Stadmania oppositifolia* Lam.; Sapotaceae: *Labourdonnaisia calophylloides* Bojer (Bois de natte à petites feuilles), *Labourdonnaisia glauca* Bojer (Bois de natte à grandes feuilles), *Labourdonnaisia revoluta* Bojer, *Mimusops maxima* (Poir.) R.E. Vaughan (Grand natte), *Mimusops petiolaris* Dubard, 1915 (macaque, makak, bois makak), *Sideroxylon boutonianum* A. DC, *Sideroxylon cinereum* Lam., *Sideroxylon puberulum* C. DC. (Manglier rouge), *Sideroxylon grandiflorum* A. DC. (tambalacoque, dodo tree).

POPULATION:
Structure and Density - The present population on Mauritius appears to be stable; 14 roosting sites were reported by Nyhagen (2004), but Robin, 2007) identified 57 roosts. This latter study only looked at 24 of the 57 roosts and calculated a minimum population size of 12,000 - 16,000. It can therefore be assumed that the minimum island wide population is over 25,000 (V. Tatayah *pers. comm.* [in Jenkins *et al.* (2008k) in IUCN, 2009]).
Trend - 2008 - Decreasing (Jenkins *et al.*, 2008k; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 19.4 years.

PARASITES:
Hirst (1923: 980) mentions that the mite *Ancystropus mulleri* Kolenati was collected from *P. vulgaris* [= *P. niger*].

VIRUSES:
Rhabdoviridae
Of the 36 bats from Mauritius tested by Mélade *et al.* (2016a: 6) against *Lagos bat lyssavirus* and *Duvenhage lyssavirus*, two and 13 respectively, displayed a sero reaction. Also one out of 21 specimens tested for *European bat lyssavirus 1* showed this reaction.

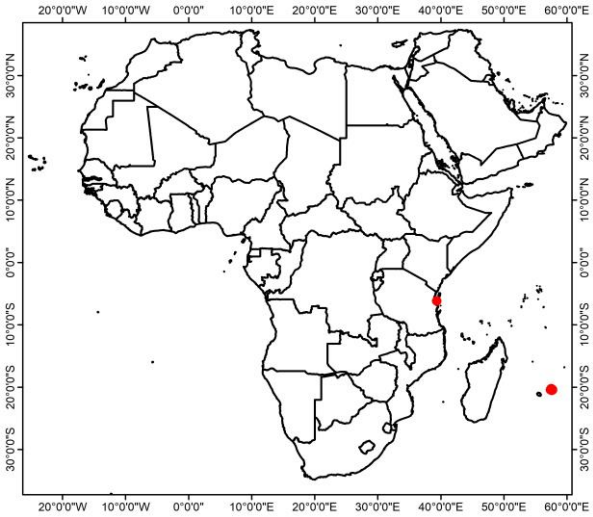

Figure 9. Distribution of *Pteropus niger*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Madagascar, Mauritius, Réunion, Tanzania.

Pteropus rodricensis Dobson, 1878

*1878. *Pteropus rodricensis* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, xxxvii, 20, 36, pl. 3, fig. 3. Publication date: June 1878. Type locality: "Africa": Mascarene Islands: Rodrigues Island [Goto Description]. Holotype: BMNH 1876.3.11.1: ad ♂, skull and alcoholic. Collected by: J. Gulliver. Presented/Donated by: The Royal Society. See Andersen (1912b: 275). Paratype: SMF 44785: juv ♀, skull and alcoholic. Collected by: J. Gulliver. (Current Combination)

1907. *Pteropus mascarinus* Mason, Ann. Mag. nat. Hist., ser. 7, 20 (117): 221. Publication date: 1 September 1907. Type locality: Mauritius: 15 mi (=22 km) NE Mauritius: Round island (La Ronde) [Goto Description]. Holotype: BMNH 1925.8.10.1:.

TAXONOMY:
See Bergmans (1991) and Simmons (2005: 343).

Almeida *et al.* (2014: 85) place *P. rodricensis* in the "*vampyrus*" group.

COMMON NAMES:
Czech: kaloň rodrigueský, kaloň zlatý. Dutch: Rodriguez vliegende hond. English: Rodriguez Flying Fox, Rodrigues Flying Fox. French: Renard volant de Rodrigues, Renard Volant de l'île de Rodriguez. German: Rodriguez-Flughund, Rodrigues-Flugfuchs. Spanish (Castillian): Zorro volador de la isla Rodrigues.

CONSERVATION STATUS:
Global - Listed as Critically Endangered (CR B1ab(iii)c(iv) ver 3.1 (2001)) because the global population is restricted to a single location (the island of Rodrigues), and has a extent of occurrence is less than 100 km^2, and undergoes extreme fluctuations due to tropical cyclones. Cyclones have devastating long term effect on the number of bats (sometimes causing significant mortality) and remaining areas of the species vulnerable forest habitat (Mickleburgh *et al.*, 2008u; IUCN, 2009).

Assessment History -
2008 - CR B1ab(iii)c(iv) ver 3.1 (2001) (Mickleburgh *et al.*, 2008u; IUCN, 2009). 2004 - CR B1ac(iv) ver 3.1 (2001) (Mickleburgh *et al.*, 2004q; IUCN, 2004). 2002 - CR: B1+3d (Mickleburgh *et al.*, 2002a: 22), extinct on Round Island. 1996 - CR (Baillie and Groombridge, 1996). 1994 - EN (Groombridge, 1994). 1993 - EN (World Conservation Monitoring Centre, 1993). 1990 - EN (IUCN, 1990). 1988 - EN (IUCN Conservation Monitoring Centre, 1988). 1986 - EN (IUCN Conservation Monitoring Centre, 1986).

U.S. ESA - Endangered.
CITES - Appendix II.

MAJOR THREATS:
Deforestation has been a serious threat to the species, especially where mature fruit trees and important roost trees were felled. Because of the deforestation of this forest buffer, any remaining patches of forest (and their roosting bats), are now much more susceptible to tropical cyclones. These cyclones can cause significant fluctuations in bat population size and, along with shortage of food and dehydration, are now the major current threat to the species (Powell and Wehnelt, 2003). In the past the species was also hunted for food, however, this is now rare (Trewhella *et al.*, 2005; Mickleburgh *et al.*, 2008u; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008u) [in IUCN (2009)] report a successful captive breeding programme for this species was initiated by the Durrell Wildlife Conservation Trust, with breeding populations of this bat now maintained at 28 zoos around the world (Powell and Wehnelt, 2003). In 1995, the International Studbook contained 542 individuals distributed over 18 institutions (Carroll and Feistner, 1996: 334).

In-situ conservation efforts have concentrated on restoration of the natural habitat, watershed protection and awareness raising among the local people through environmental education programmes (Powell and Wehnelt, 2003; Trewhella *et al.*, 2005).

GENERAL DISTRIBUTION:
Pteropus rodricensis is confined to the western Indian Ocean island of Rodrigues (Mauritius). It was historically present on the island of Mauritius and Round Island (Mauritius), but is now extinct on these islands. It appears to range up to around 200 m asl.

Native: Mauritius [Mauritius (main island) - Regionally Extinct, Rodrigues].

DETAILED MORPHOLOGY:
Baculum - Unknown
Gardner *et al.* (2007: 196) studied the heart of several *P. rodricensis* specimens kept in captivity, and found it to have a normal cardiac silhouette, comparable to domestic small mammals.

Carter and Adams (2013: 33) postulated that tracheal and primary bronchi calcification will occur in echolocating *Artibeus jamaicensis* but not in non-echolocating *Syconycteris australis* and *Pteropus rodricensis*. The calcification would be needed to counteract the compressive forces executed by the flight muscles on the respiratory tract, as there is a sychronisation between wing-beat and respiration, and the latter is linked with the production of echolocation calls. However, to their surprise, they found that the tracheae and primary bronchi of *P. rodricensis* were also heavily calcified.

MOLECULAR BIOLOGY:
O'Brien and Hayden (2004: 144) report that, notwithstanding the reduction of the population to less than 70 individuals in the 1970's, the species has still retained some genetic diversity.

DIET:
Courts (1998: 189) reports that captive animals catch insects flying by, and that these were readily eaten. The bats also ate mealworms (*Tenebrio molitor*) and waxmoth larvae (*Galeria mellonella*).
Blood glucose - Heard and Whittier (1997) found blood glucose concentrations within the normal mammalian range.

POPULATION:
Structure and Density - Until around 1916, the species was reported to be abundant on Rodrigues, and even in 1955 large numbers (about 500) still roosted in tamarinds (Mickleburgh *et al.*, 2002a). In 1965 there were fewer bats, but the species was still common. There was a marked decline in the 1970's, and following Cyclone Celine II in 1979, the population was reduced to around 70 bats. By 1980 the population had recovered to between 200 and 250 animals (Carroll and Mace, 1988), and at the end of February 1990, the population was estimated to be greater than 1,000 bats (Mickleburgh *et al.*, 2002a). Recently the population had recovered to around 5,076 bats (Powell and Wehnelt, 2003). However, the impact of cyclone Kalunde in March 2003 appears to have reduced the population to around 4,000 animals (Anonymus, 2006), although Caceres (2010: 19) reports that the current population is estimated at about 5,500 individuals.
Trend - 2008 - Increasing (Mickleburgh *et al.*, 2008u; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 28 years.

ACTIVITY AND BEHAVIOUR:
For a selection of sounds, check http://macaulaylibrary.org/search?taxon=Pteropus rodricensis&taxon_id=11036948&taxon_rank_id=67&tab=audio

Riccucci (2016: 94) observed several different behaviours: "play chase" by immature bats flying to one location and rapidly leaving; "play wrestle", which involves close belly contact between individuals, with restrained biting on the neck. He also noticed that pairs or groups of bats (mostly females) wrestle together in long play sessions.

REPRODUCTION AND ONTOGENY:
Kunz *et al.* (1994: 691) report on allomaternal care, or epimeletic (care-giving) behaviour, exhibited by one female toward another, before, during. and after giving birth.

Szekely *et al.* (2015: Suppl.) report a gestation period of 198 days. The young then weights 45 g (adult: 350 g).

MATING:
McCracken and Wilkinson (2000: 339) refer to Carroll and Mace (1988), who indicated that *P. rodricensis* forms harem groups consisting of one male and up to eight females.

Riccucci (2011 141) suggests that male-male mounting behaviour is a way to assert dominance.

PARASITES:
BACTERIA
Gram-positive bacterium - Heard *et al.* (1979) recorded the following gram-positive bacteria from *Pteropus rodricensis* - *Actinomycetis*, *Bacillus* spp., *Corynebacterium* spp., *Enterococcis* spp., *Lactobacillus* spp., *Staphylococcus aureus*, *Staphylococcus* spp., *Streptococcus* spp. hemolytic, *Streptococcus* sp Group D and *Streptococcus* sp.
Gram-negative bacterium - Heard *et al.* (1979) recorded *Bacteroides* spp., *Escherichia coli*, *Klebsiella oxytoca*, *Klebsiella pneumonia*, *Morganella morganii*, *Proteus mirabilis*, and *Proteus* spp. Helmick *et al.* (2004: 88) reported a *Pasteurella* from one captive bat.

Fungi
Heard *et al.* (1979) recorded an unspecified yeast.

UTILISATION:
In the past the species was also hunted for food, however, this is now rare (Trewhella *et al.*, 2005).

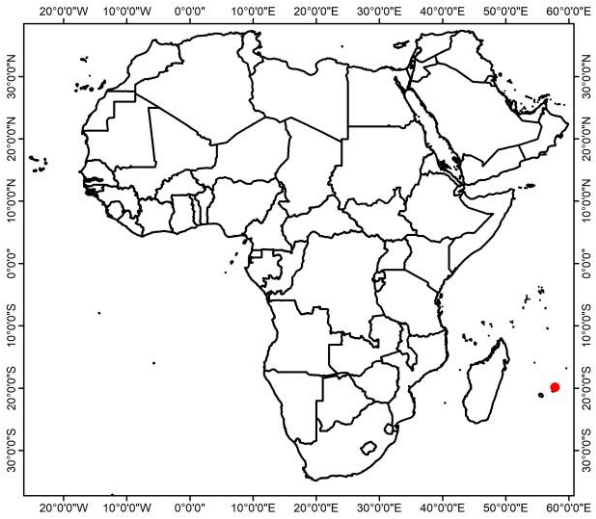

Figure 10. Distribution of *Pteropus rodricensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Mauritius.

Pteropus rufus E. Geoffroy St.-Hilaire, 1803

*1803. *Pteropus rufus* E. Geoffroy Saint-Hilaire, Catalogue des Mammifères du Muséum national d'Histoire naturelle, Paris, 47. Type locality: Madagascar: North and Central Madagascar [Goto Description]. - Comments: Type locality originally "Madagascar", restricted to North and Central Madagascar by Andersen (1908b: 367) (See Peterson *et al.*, 1995: 14). Andersen (1912b: viii) indicates that the type was once in the Paris Museum, but is probably no longer in existence. On page 206, he also mentioned that the specimen was sent by "le citoyen Macé, naturaliste" (nr 90 of Geoffroy's catalog). (Current Combination)

1810. *Pteropus Edwardsii* E. Geoffroy Saint-Hilaire, Ann. Mus. Hist. nat. Paris, 15: 92. Type locality: Madagascar: "Madagascar". - Comments: Renaming of *P. rufus* E. Geoffroy Saint-Hilaire, 1803 (see Andersen, 1906c: 206; Allen, 1939a: 60). Mentioned as *edwardii* by Smith (1833: 52) and as *edwarsi* by Koopman (1993a). Description is based on the same specimen as *Pteropus rufus* Geoffroy, 1803.

1816. *Pteropus madagascariensis* Oken, Lehrbuch Naturgeschichte, Jena, 3 (2): 936. Type locality: Madagascar: "Madagascar". - Comments: Renaming of *P. edwardsii* E. Geoffroy Saint-Hilaire, 1810 (see Andersen, 1912b: 207; Allen, 1939a: 60).

1825. *Pteropus phaiops* Temminck, Monogr. Mamm, 1: 178. Type locality: Madagascar: "Madagascar". - Comments: Syntypes: RMNH Jentink Cat. Syst., p. 146 [under *Pt. edwardsi*] c (skull not removed), d (skull removed); Cat. Ost., p. 259, c.

1838. *Pteropus phæops* Oken, Allg. Naturgesch, 7 (2): 990. Type locality: Madagascar.

1908. *Pteropus rufus princeps* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 2 (10): 367. Publication date: 1 October 1908. Type locality: Madagascar: Tuléar province: Fort Dauphin [25 02 S 47 00 E] [Goto Description]. Holotype: BMNH 1891.11.30.10: ad ♂, skull and alcoholic. Collected by: M. Cloisel. See Andersen (1912b: 14), Peterson *et al.* (1995: 14).

? *Pteropus rufus rufus:* (Name Combination)

TAXONOMY:
See Bergmans (1991) and Simmons (2005: 343 - 344). Commonly cited from "E. Geoffroy, 1803. Cat. Mamm. Mus. Nat. Hist. Nat. Paris, p. 47", but this work was never published, which would make this a *nomen nudum*. However, Opinion 2005 (Case 3022) fixed the authorship and date of this name to E. Geoffroy St.-Hilaire (1803) by (see Anonymus, 2002b: 154).

O'Brien *et al.* (2009) suggested that *P. aldabrensis*, *P. rufus*, *P. niger* and *P. seychellensis* (including *comorensis*) should be considered geographical forms of a single species *P. giganteus* (Brünnich, 1782) from the Indian subcontinent, Maldives and Andaman archipelagos.

Almeida *et al.* (2014: 85) place *P. rufus* in the "*vampyrus*" group.

COMMON NAMES:
Czech: kaloň madagaskarský, upír černolící. English: Madagascan Flying Fox, Madagascan Flying-fox, Red Flying Fox, Madagascar Fruit Bat, Madagascar Flying Fox. French: Renard volant de

Madagascar, Renard volant roux, Roussette rougeâtre, Renard volant malgache. German: Madagaskar-Flugfuchs. Malagasy: Fanihy. Spanish (Castillian): Zorro volador de Madagascar.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Gunnell *et al.* (2014: 3) refer to Goodman and Junkers (2013), who report on fossil material from the Andrahomana cave in Madagascar.

CONSERVATION STATUS:
Global - This species is listed as Vulnerable (VU A2acd ver 3.1 (2001)) based on the loss of over 30% of its population over the last 20 years. This can be attributed to the increased level of hunting particularly with the introduction of shotguns and continued loss of its preferred roosting habitats (Andriafidison *et al.*, 2008a; IUCN, 2009).

Assessment History -
2008 - VU A2acd ver 3.1 (2001) (Andriafidison *et al.*, 2008a; IUCN, 2009). 2004 - VU A2b+3d ver 3.1 (2001) (Participants of CBSG CAMP Madagascar Mammal Worksh, 2004; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996). 1993 - LR/lc (World Conservation Monitoring Centre, 1993).

CITES - Appendix II.

MAJOR THREATS:
There are numerous threats to this species. It is listed as a game species under Malagasy law and can be legally hunted between the first of May and the first of September (Anonymus, 2007b: 6; Durbin, 2007; Randrianandrianina *et al.*, 2010: 412). Only the few roosts that are located in protected areas therefore receive some protection (Racey *et al.*, 2009). *Pteropus rufus* is hunted for food across Madagascar (MacKinnon *et al.*, 2003; Rakotondravony, 2006; Rakotonandrasana and Goodman, 2007; Racey *et al.*, 2009; Randrianandrianina *et al.*, 2010) where it is an important subsistence food, but also of commercial importance. Although quantitative data on the supply of *P. rufus* for food and the impact of this harvest on colonies/populations is lacking, there is some evidence that the offtake is locally unsustainable (Racey *et al.*, 2009). Hunting occurs at roost sites and where the bats forage, especially when they feed on trees in villages (Jenkins and Racey, 2008). There is evidence that *P. rufus* from Ile Sainte Marie is hunted commercially and frozen shipments are sent to the mainland port of Toamasina (Rakotonandrasana and Goodman, 2007). The conversion of the forest used by roosting bats into agriculture is another threat to *P. rufus* and results in the permanent loss of suitable trees which in many cases have been used for decades. *Pteropus rufus* feeds on a number of cultivated fruits that have a high economic value in rural Madagascar and is often subjected to persecution.

Randrianandrianina *et al.* (2010: 413) observed that a minimum of five *P. rufus* specimens were caught each night, when they were feeding on kapok (*Ceiba pentandra*) nectar in July. For one roost in Andranomena, Oleksy *et al.* (2015b: 4) reported that six hunters camped for three nights per week for approximately eight months per year and captured about 20 bats per night.

Oleksy *et al.* (2015b: 4) mention that roost sites are also threatened by fire and agricultural expansion.

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008a) [in IUCN (2009)] report that it is listed on CITES Appendix II and is a game species under Malagasy law (Durbin, 2007) but neither of these provide any practical in situ conservation measures (Racey *et al.*, 2009). There are a few roosts in protected areas, notably Parc National Kirindy-Mité, Parc National de Masoala, Parc National de Mananara-nord (MacKinnon *et al.*, 2003) and Berenty Private Reserve (Long, 2002), but many of the existing parks and reserves appear to be without roosting colonies (e.g. Goodman, 1996; 1999; Alonso *et al.*, 2002; Goodman *et al.*, 2005a; Schmid and Alonso, 2005). The ongoing process to triple the surface of protected areas in Madagascar is providing an unprecedented opportunity to include traditional roosts in the new conservation sites. There is also significant scope for local institutions to conserve roosts and this is already occurring in some parts of Madagascar where the bats use sacred forests (Jenkins *et al.*, 2007b) or where communities have created social contracts to protect the bats (Jenkins *et al.*, 2007a).

GENERAL DISTRIBUTION:
Pteropus rufus is endemic to Madagascar. It is one of the most widespread bat species on the island and appears to only be absent from the highly populated central highlands (MacKinnon *et al.*, 2003). The highest density of roost sites is in coastal regions, especially from Morombe in the south-west to Antsiranana in the north (MacKinnon *et al.*, 2003). It has also been recorded from the islands of Nosy Be, Nosy Komba, and Ile Sainte-Marie (Rakotonandrasana and Goodman, 2007: 6).

Native: Madagascar (Bollen and Van Elsacker, 2002; MacKinnon *et al.*, 2003; Simmons, 2005: 344; Rakotonandrasana and Goodman, 2007: 6; Long and Racey, 2007; Jenkins and Racey, 2008).

BIOGEOGRAPHY:
See O'Brien *et al.* (2009) for further details.

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 54) described the baculum having a distal tip forming an arch-shaped structure and a basal portion which is lobed with a distinct central prolongation; length: 3.22, 3.86 mm, width: 3.53, 4.15 mm. In subadults, the bones are notably reduced in length and width.

MOLECULAR BIOLOGY:
DNA - See O'Brien *et al.* (2009).

Karyotype - 2n = 38 and FN = 68, containing 11 pairs of metacentrics, 6 submetacentrics, 1 pair of acrocentrics; X: large submetacentric, Y: small acrocentric (see Richards *et al.*, 2016d: 187, 189).

Protein / allozyme - Unknown.

HABITAT:
MacKinnon *et al.* (2003) failed to locate any roost sites within the endemic spiny forests of south-west Madagascar. Long and Racey (2007) did not find any evidence to show that *P. rufus* uses the endemic plants of the spiny forest in the Mandrare region of Madagascar.
Jenkins *et al.* (2007b: 212) indicate that *P. rufus* is generally found in forest fragments or linear patches of vegetation along water.

HABITS:
Jenkins and Racey (2008) indicate that day roosts and night feeding areas are often spatially distinct, and are over 40 km apart.

ROOST:
P. rufus roost in foliage (Jenkins and Racey, 2008).
In their 2005 survey, Jenkins *et al.* (2007b: 213) have found six roosting sites, with colony sizes ranging from 40 to over 1,000 animals. Three of these were protected by local taboes or ancestral traditions.

DIET:
Bollen and Van Elsacker (2002: 37) found that *P. rufus* at Ste. Luce, ate the fruits of 40 endemic species, and that typically one seed species was found in a dropping. Oleksy and Jones (2013: 113) reported that 110 plant species were found in its diet, of which 59 (55 %) were endemic. However, Long (2002) and Long and Racey (2007) found *P. rufus* at Berenty in south-east Madagascar to have a narrow dietary breadth, consisting of only 14 plant species. The single most important food source for *Petropus rufus* in south-east Madagascar, is the pollen of *Agave sisalana* a commercial introduced species, while they also eat other locally cultivated and introduced fruits (*Mangifera indica*, *Psidium* cf. *cattleianum*, *Sclerocarya caffra*, *Cordia sinensis* and *Hylocereus* sp.) and native and endemic forest species (*Tamarindus indica* (leaves), *Celtis philippensis*, *Ficus megapoda*, *F. grevei*, *F. pachyclada* and *Grewia* sp.) (Long, 2002; Long and Racey, 2007). Jenkins *et al.* (2007b: 212) indicate that the most important food plants include *Ficus guatteriifolia*, *Syzigium* sp., *Terminalia fatrea*, *Uapaca thouarsii* and *U. littoralis*.
Raheriarisena (2005: 255) mentions that this species' diet is composed of fruits (59.0 - 65.1%), flowers (17.3 - 35.0%), and leaves (6.0 - 18.0%), but also that the percentages of these elements vary with the seasonal variations of plant phenology and the species' activity, especially its reproduction status.

Bollen *et al.* (2004a: 603) found that *P. rufus* preferred to consume multi-seeded fruits.

Bollen (2007: 140) lists the following food plants consumed by *P. rufus*: Annonaceae: *Polyalthia madagascariensis* Cavaco & Keraudren, 1957; Araliaceae: *Polyscias* sp.; Areceae: *Dypsis nodifera* Mart., 1849, *Dypsis prestoniana* Beentje, 1995; Bignoniaceae: *Ophiocolea delphinensis* H. Perrier, 1938; Canellaceae: *Cinnamosma madagascariensis* var. *namoronensis* H. Perrier, 1948; Combretaceae: *Terminalia fatraea* (Poir.) DC., 1828; Ericaceae: *Vaccinium emirnense* Hook, 1837; Euphorbiaceae: *Uapaca ferruginea* Baillon, 1858, *Uapaca littoralis* Denis, 1927, *Uapaca thouarsii* Baillon, 1858; Flacourtiaceae: *Ludia antanosarum* Capuron & Sleumer, 1972, *Scolopia orientalis* Sleumer, 1972; Grossulariaceae: *Brexia* sp.; Lauraceae: *Beilschmiedia madagascariensis* (Baillon) Kostermans, 1952, *Ocotea* sp.; Liliaceae: *Dracaena reflexa* var. *nervosa* H. Perrier, 1936; Loganiaceae: *Anthocleista longifolia* (Lam.) Boiteau, 1973, *Anthocleista madagascariensis*, Baker, 1882, *Bakerella ambongoensis* Balle, 1964, *Bakerella* sp.; Monimiaceae: *Tambourissa purpurea* (Tul.) A. DC, 1868; Moraceae: *Ficus baroni* Baker, 1883, *Ficus guatteriifolia* Baker, 1890, *Ficus pyrifolia* Burm. f., 1768; Myrtaceae: *Syzygium* sp.2; Rubiaceae: *Canthium variistipula* (Arènes ex Cavaco), *Ixora* sp., *Mapouria aegialodes* Bremekamp, 1963, *Mapouria* sp., *Hyperacanthus mandenensis* Rakotonas. & A.P. Davis, 2004, *Tricalysia* cf. *cryptocalyx* Baker, 1882, *Vepris elliotii* (Radlk.) I. Verdoorn, 1926; Sapotaceae: *Sideroxylon beguei* var. *saboureani*, *Sarcolaena multiflora* Thouars, 1805.

Oleksy *et al.* (2015a: 678) followed 15 radio-

tracked animals (nine ♂♂ and six ♀♀ females) between July and September 2012 and found that females had larger home ranges and core foraging areas, which might be explained by the higher energy requirements of the females during the gestation period. The bats showed a strong preference for overgrown sisal (*Agave sisalana*) plantations, and also ate large quantities of figs (*Ficus grevei*).

Oleksy *et al.* (2017: 1) found seeds of *Ficus polita*, *F. grevei* and *F. lutea* in bat faeces. They found that the seeds that passed through the bat's digestive track had an increased germination success.

Based on stable isotope analyses, Reuter *et al.* (2016) found that *Pteropus rufus*, *Eidolon dupreanum* and *Rousettus madagascariensis* have broadly overlapping diets, although there are differences between *P. rufus* and *E. dupreanum*. Furthermore, they found that the diet shifted when these two species occurred sympatrically.

Raharimihaja *et al.* (2016: 9512) tested a number of methods to deter *P. rufus* from feeding on commercial fruits (*Litchi chinensis*). They found that an organic product made from dried blood and vegetable oil (Plantskydd®) with a taste and odour aimed at deterring mammal feeding, gave the best results.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Madagascar harrier-hawk (*Polyboroides radiates* (Scopoli, 1786)) as diurnal avian predator.

POPULATION:
Structure and Density - Roosts are conspicuous and noisy but the bats are often tightly clustered making abundance estimates at the larger sites difficult. MacKinnon *et al.* (2003) reported that colony size ranged from 10 to 5,000 animals with a median of 400. They found that nationally 17.5% of 154 roosts had been abandoned in the last ten years and desertion rates were much higher (70%) in the central highlands. The estimated national population size in 2000 was 300,000 (MacKinnon *et al.*, 2003). In December 2005, Rahaingodrahety *et al.* (2008) recorded colony sizes of 900 at Berenty Private Reserve, 412 at Amborabao and 54 at Sainte Luce.
Trend - 2008 -Decreasing (Andriafidison *et al.*, 2008a; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
For a selection of sounds, check http://macaulaylibrary.org/search?taxon=Pteropus rufus&taxon_id=11067862&taxon_rank_id=67&tab=audio

REPRODUCTION AND ONTOGENY:
Kaudern (1914: 11 - 12) reported that he was unable to shoot any pregnant female or females with young during his travels on Madagascar, which took place in the dry season (May to September), so he assumed they had their reproductive season in Spring or Summer [as *P. edwardsi*].
Rand (1935) [in Fox *et al.* (2009: 272)] found two large foetuses in each of the three female specimens that were available to him.

PARASITES:
BACTERIA
Gram-positive bacterium - Reviewed in McCoy (1974), who listed *Enterococcus* spp. and *Staphylococcus* spp.
Gram-negative bacterium - Mayoux *et al.* (1971: 29) and McCoy (1974) listed *Citrobacter* sp., *Enterobacter* sp., *Escherichia coli*, *Salmonella typhi*, *S. typhimurium*, *Salmonella* spp., and *Shigella flexneri*.

Gomard *et al.* (2016: 5) added *Leptospira* to this list (see also Dietrich *et al.*, 2018a: 3).

VIRUSES:
Coulanges *et al.* (1974) [in Fontenille *et al.* (1989: 239)] found antibodies against West-Nile virus in 11.4 % of the 94 bats from the Anjiro region they examined.

Coronaviridae - Coronaviruses
Thirteen novel strains of betacoronaviruses were identified in Madagascar in 2010 (Razanajatovo *et al.*, 2015).

Paramyxoviridae
3 out of 20 Madagascan specimens tested by Mélade *et al.* (2016b: 4) were positive for paramyxoviruses.
Henipavirus
Nipah (NiV) - In Madagascar during 2003 - 2004, Iehlé *et al.* (2007) found an overall contamination of 2.3%.
Hendra (HeV) - In Madagascar during 2003 - 2004, Iehlé *et al.* (2007) found an overall contamination of 2.3%.
Tioman (TiV) - In Madagascar during 2003 - 2004, Iehlé *et al.* (2007) found an overall contamination of 2.3%.

Rhabdoviridae – Rabies like viruses
Lyssavirus - Rabies related viruses
Andriamandimby *et al.* (2013: 3) reported on one *P. rufus* from Madagascar, which tested positive to antibodies for European Bat Lyssavirus type 1 (EBLV-1). Of the 11 bats tested by Mélade *et al.* (2016a: 6) for *Duvenhage lyssavirus*, five showed

a positive reaction.

UTILISATION:
Pteropus rufus being the largest bat is the main source of bat bushmeat in Madagascar (Jenkins and Racey, 2008). In many regions nets are erected inside or on the periphery of roosts to intercept flying bats (Jenkins *et al.*, 2007b; Jenkins and Racey, 2008). In southern Madagascar *P. rufus* is netted when it feeds on sisal (*Agave sisalana*) plants at night and at least some of the bats are sold locally (Rahaingodrahety, 2007). Firearms (shotguns) are also used to hunt *P. rufus* in many areas (Jenkins and Racey, 2008). In eastern Madagascar individual trees with roosting bats are felled by hunters who club the fallen animals with sticks (MacKinnon *et al.*, 2003).
Pteropus rufus is hunted in the Daraina area in northeastern Madagascar (Rakotondravony, 2006) where roosts of over 1,000 individuals have been reported from littoral forest (Jenkins and Racey, 2008). Although the people living around the forests refrain from eating the bats, the colonies are reportedly subject to frequent hunting by local immigrants (Rakotondravony, 2006). In Makira, *P. rufus* is eaten widely by local communities and at $1.5 US/kg was the most expensive meat (Golden, 2005). In the Mahavavy-Kinkony area of western Madagascar, regular hunting at a *P. rufus* roost was reported by Rakotoarivelo and Randrianandrianina (2007); hunting teams of up to eight men visited the roost on a regular basis and caught up to 100 bats on each occasion. These were sold around villages and to local restaurants for $0.5 US each. On Nosy Boraha, *P. rufus* is regularly exploited from at least one roost and is served seasonally in restaurants in the main town on the island (Rakotonandrasana and Goodman, 2007). One hunter also reported that frozen shipments of *P. rufus* are sent to the mainland port of Toamasina (Rakotonandrasana and Goodman, 2007). At a small restaurant near Mahajanga in 2000, at least 30 *P. rufus* were reportedly sold daily, although it is not clear whether this figure is monthly average estimate or reflects a seasonal peak in availability (Racey *et al.*, 2009). In the sisal plantations surrounding Berenty Private Reserve, hunters can expect to catch 8 - 12 individuals per week between September and May and 25 - 30 between June and August, where they are sold discretely in villages around the reserve for $ 0.7 - 1.0 US (Rahaingodrahety, 2007) therefore a single hunter could catch between 164 and 192 bats per year.
Pteropus rufus and *Eidolon dupreanum* appear to be the only species sold in restaurants, where they are either served individually, complete with head and wings, jointed, or are diced up into small pieces and accompanied by rice (Jenkins and Racey, 2008).
Rakotondravony (2006) considered hunting of *P. rufus* a minor threat in northern Madagascar, while Golden (2005) reported large annual harvests in the Makira forest and Maroantsetra were unsustainable.
See also Goodman *et al.* (2008d).
Golden and Comaroff (2015: 5) indicate that flying foxes and other fruit bats (including *P. rufus*) are frequently the subject of food taboos, which they link to the fact that these bats are carriers of virulent zoonotic diseases.

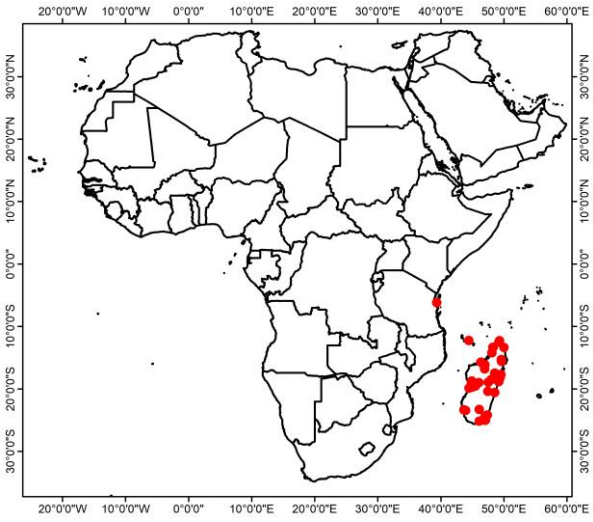

Figure 11. Distribution of *Pteropus rufus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Comoros, Madagascar, Tanzania.

Pteropus seychellensis A. Milne-Edwards, 1877

*1877. *Pteropus seychellensis* A. Milne-Edwards, Bull. Sci. Soc. Philom. Paris, sér. 7, 2: 221. Type locality: Seychelles: Mahe Island. Holotype: MNHN ZM-MO-1878-1110 - 35A-157: ad ♂, mounted skin (skull not removed). Collected by: Lanz. Paratype: MNHN ZM-MO-1878-1106:. Rode (1941: 230): nr 157b. Paratype: MNHN ZM-MO-1878-1107 - 35B: ♂, mounted skin (skull not removed). Rode (1941: 230): nr 157a. Paratype: MNHN ZM-MO-1878-1108:. Rode (1941: 230): nr 157c. Paratype: MNHN ZM-MO-1878-1109 - 35C:. Rode (1941: 230): nr 157d. (Current Combination)

1880. *Pteropus comorensis* Wallace, Island Life, 400. Type locality: Comoros: "Comoro Islands". - Comments: Allen (1939a: 60) and Simmons (2005) mention J.M. Nicoll, 1908 as author, since the original description by Wallace (1880) is actually a nomen nudum.

1908. *Pteropus comorensis* Nicoll, Three voyages of a naturalist being an account of many little-known islands in three oceans visited by the "Valhalla" R.Y.S. - Witherby & Co. London, 87. Type locality: Mayotte: Buzi Island [0 - 600 ft] [Goto Description]. Paratype: SMF 44784: ♂, skull and alcoholic. Collected by: Michael John Nicoll; collection date: 1906. Syntype: BMNH 1906.6.3.14: ad ♂, skin and skull. Collected by: Michael John Nicoll; collection date: 2 March 1906. Presented/Donated by: Earl of Crawford. Syntype: BMNH 1906.6.3.15: ad ♂, skin and skull. Collected by: Michael John Nicoll; collection date: 2 March 1906. Presented/Donated by: Earl of Crawford. Syntype: BMNH 1906.6.3.16: ad ♂, skin and skull. Collected by: Michael John Nicoll; collection date: 25 February 1906. Presented/Donated by: Earl of Crawford. - Comments: Nicoll (1908: 88) mentions that the bats were shot in the evening when returning to the ship, and before (p. 87) he mentioned that every evening the bats were flying from the little island (= "Buzi Island") to the main island (= Mayotte).

? *Pteropus seychellensis comorensis:* (Name Combination)

? *Pteropus seychellensis seychellensis:* (Name Combination)

TAXONOMY:

Hill (1971a: 574) included *aldabrensis*, but we follow Bergmans (1991) and Simmons (2005: 344) who considers this to be a separate species.

It seems probable that the two recognized subspecies *Pteropus seychellensis seychellensis* (from the Seychelles) and *Pteropus seychellensis comorensis* (from the Comoros Islands and Mafia Island) represent distinct taxa at the species level. In addition, the population of *Pteropus seychellensis comorensis* from Mafia island (Tanzania) might represent a species distinct from the populations of this bat recorded from the Comoros Islands (Mickleburgh *et al.*, 2008di; IUCN, 2009).

O'Brien *et al.* (2009) suggested that *P. aldabrensis*, *P. rufus*, *P. niger* and *P. seychellensis* (including *comorensis*) should be considered geographical forms of a single species *P. giganteus* (Brünnich, 1782) from the Indian subcontinent, Maldives and Andaman archipelagos. O'Brien *et al.* (2009) show that *P. s. seychellensis* is more closely related to *P. niger* from Mauritius, than to *P. s. comorensis*. Further, based on cytochrome *b* and 12S results, there appears to be no notable genetic differentiation in populations of *P. s. comorensis* from Grande Comore and Mayotte, suggesting genetic exchange.

Chan *et al.* (2011: 7) found that *P. s. comorensis* and *P. rufus* alleles differed by as few as two base-pairs. Based on this mitochondrial haplotype network, *P. s. seychellensis* was more closely related to *P. niger* and these two were more closely related to *P. rufus* than to *P. s. comorensis*.

Almeida *et al.* (2014: 85) place *P. seychellensis* in the "*vampyrus*" group.

COMMON NAMES:

Comorian: ndema, ndrema. Czech: kaloň seychelský. English: Seychelles Flying Fox, Seychelles Fruit Bat. French: Renard volant des Seychelles, Roussette des Seychelles. German: Seychellen-Flugfuchs. Spanish (Castillian): Zorro volador de las Seychelles.

CONSERVATION STATUS:

Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008di; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008di; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004cs; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996). 1993 - LR/lc (World Conservation Monitoring Centre, 1993); VU [assessed as *P. s. aldabrensis*] (World Conservation Monitoring Centre, 1993). 1990 - VU [assessed as *P. s. aldabrensis*] (IUCN, 1990). 1988 - VU [assessed as *P. s. aldabrensis*] (IUCN Conservation Monitoring Centre, 1988).

CITES - Appendix II.

MAJOR THREATS:

Overall, there currently appear to be no major threats to the species. There is some limited hunting for food on a few islands in the species range (e.g. Mahé and Praslin in the Seychelles) however, this does not appear to be significantly impacting the population at present. Additional localised threats include mortality through collision with power lines, and possible persecution as a pest of fruit crops (Mickleburgh *et al.*, 2008di; IUCN, 2009). However, Sagot and Chaverri (2015: 1670) mention the following threats: Roost loss or disturbance, habitat degradation or loss,

introduced predators.

Due to the numerous amount of bats around Mutsamudu (Anjouan, Coromo islands), Middleton and Hume (2010: 132) report that this bat is not a part of the people's diet.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008di) [in IUCN (2009)] report that a large population (2,000 to 3,000 bats) of this species is present in the Morne Seychellois National Park on Mahé, Seychelles (Nicoll and Racey, 1981). There is a general need to continue monitoring activities for this species in order to detect any possible declines and to determine if there are any movements between populations. Studies are underway to better determine the taxonomic status of the population of bats from Mafia Island (*Pteropus seychellensis comorensis*) largely to understand if this population should be recognised at the species level distinct from *P. seychellensis*. The population of Mafia Island may be threatened, and an assessment of the situation on this island and of the possibilities for the species' protection there is highly desirable (Mickleburgh *et al.*, 2002a).

GENERAL DISTRIBUTION:
Pteropus seychellensis has been recorded from the Seychelles, the Union of the Comoro and Tanzania. In the Seychelles it is present on a number of islands including Mahé, Praslin, La Digue, and Silhouette. Gerlach (2004) mentions that it has recently been recorded roosting on several islands where its presence was previously unconfirmed. In the Comoros it is known from the islands of Anjouan, Grand Comore and Moheli. In Tanzania, it is restricted to Mafia island, possibly Zanzibar, although Simmons (2005) considers this record extremely dubious.

Cheke (2011: 59) argues this species (as *P. comorensis*) was introduced on Mafia island by Comorians, rather than having arrived on the island by itself, which he supports by indicating that the bat was not noticed (perhaps not present) until the 1930s, and that no bones were found in middens (p. 65).

Known across an elevational range on Grand Comore from sea level to 1,000 m, on Anjouan from sea level to 760 m, on Mohéli from sealevel to 500 m, and Mayotte from sea level to 250 m (Cheke and Dahl, 1981; Mickleburgh *et al.*, 1992; Trewhella *et al.*, 2001; Goodman *et al.*, 2010c: 123).
Native: Comoros (Goodman *et al.*, 2010c: 123 as *P. s. comorensis*); Mayotte; Seychelles; Tanzania.

BIOGEOGRAPHY:
See O'Brien *et al.* (2009) and Goodman *et al.* (2010c: 123) for further details.

MOLECULAR BIOLOGY:
DNA - See O'Brien *et al.* (2009).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
Goodman *et al.* (2010c: 123) indicate that *P. s. comorensis* is adapted to the anthropgenic transformation of the former natural habitats of the different islands, including the widespread plantations of fruit trees. They occur in a variety of habitats from urban settings, agricultural zones, to remnant forest patches.

HABITS:
See Cheke and Dahl (1981); Trewhella *et al.* (1995); Trewhella *et al.* (2001) and Louette (2004).

Gerlach (2003: 79) reports on *P. seychellensis* specimens flying low over the sea surface, and dipping their belly fur in the water. He postulates that this is possibly a strategy to remove parasites. The risk of falling in sea was minimised as the bats only dipped in exceptionally calm weather.

Based on wing morphology, Lindhe Norberg *et al.* (2000) classified this species (as *P. seychellensis comorensis*) as "non-soaring".

ROOST:
Racey and Nicoll (1984) [in O'Brien (2011: 262)] indicate that *P. seychellensis* roosts in tall trees (*Casuarina* or *Albizzia*).

DIET:
Pteropus seychellensis eats 27 species of plant, including 17 fruits (Racey and Nicoll, 1984).

POPULATION:
Structure - O'Brien *et al.* (2009), based on cytochrome *b* and 12S results, indicated that there appeared to be no notable genetic differentiation in populations of *P. s. comorensis* from Grande Comore and Mayotte, suggesting genetic exchange.
Density - This species is widespread throughout the Seychelles, with some colonies consisting of up to 300 individuals. It is very common in villages and towns (Goodman, 2007). The population was estimated to be around 10,000 individuals on the Seychelles in 1979, and was believed to be close to this level in 2004 although adequate censuses have not been completed for all islands (Gerlach, 2004).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008di; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Riccucci (2016: 93) reported on play behaviour on Praslin Island, which included play-fighting, tussle, and play-chasing. He indicated that this behaviour was not limited to young bats, but saw this also among adults.

REPRODUCTION AND ONTOGENY:
See Trewhella *et al.* (1995) and Reinhardt and Jacobs (2006).

MATING:
McCracken and Wilkinson (2000: 339) indicate that Cheke and Dahl (1981) reported that *P. seychellensis* forms harem groups.

PARASITES:
BACTERIA
Dietrich *et al.* (2018a: 3) reported the presence of bacteria of the genus *Leptospira*.

VIRUSES:
Rhabdoviridae
Four of 40 tested bats from Mayé showed a seroreaction against *Lagos bat lyssavirus* (LBV) (Mélade *et al.*, 2016a: 6). Six against *Duvenhage lyssavirus* (DUVV), and one out of 17 tested, against *European bat lyssavirus 1* (EBL-1). For the 19 specimens tested from Mayotte, two were positive for LBV and one for DUVV.

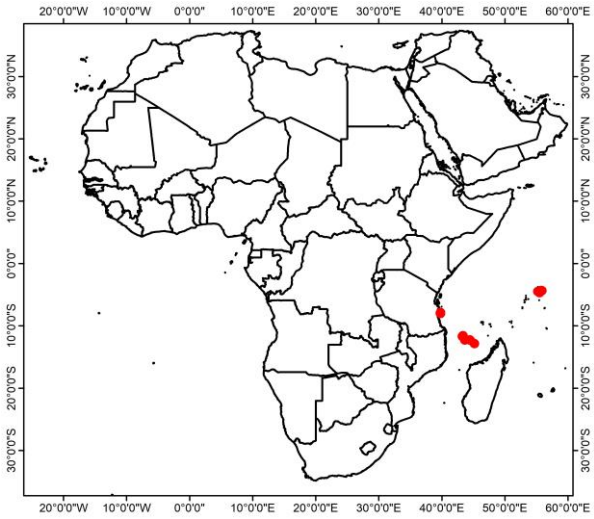

Figure 12. Distribution of *Pteropus seychellensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Comoros, Mayotte, Seychelles, Tanzania.

Pteropus subniger (Kerr, 1792)

*1792. *Vespertilio vampyrus subniger* Kerr, in: Linnaeus, Animal Kingdom, 1 (1): xvii, 91. Publication date: February 1792. Type locality: Réunion: "Réunion island". - Comments: Andersen (1912b: viii) mentions that the type was originally in the Cabinet Réaumur, but is probably no longer in existence.

1802. *Spectrum rubidum* Daudin, in: Buffon, Histoire Naturelle des Quadrupèdes, Didot ed, 14: 188. Type locality: Mauritius: Reunion. - Comments: Type locality fixed by Andersen (1912b: 169) since the name was proposed for Buffon's Rougette, which was based on a specimen sent by de la Nux from Reunion. The year of publication might not be correct (see Allen, 1939a: 61).

1803. *Pteropus fuscus:* Desmarest, Nouveau Dictionnaire d'Histoire Naturelle, 19: 544. Type locality: Réunion: "Réunion Island". - Comments: Not of E. Geoffroy Saint-Hillaire, 1803, see Allen (1939a: 61).

1803. *Pteropus ruber* E. Geoffroy Saint-Hilaire, Catalogue des Mammifères du Muséum national d'Histoire naturelle, Paris, 48. Type locality: Mauritius: Réunion [Goto Description]. - Comments: Originally "Madagascar", but corrected to Réunion by Andersen (1912b: 169). Andersen also indicates that the type specimen is not in the Paris Museum.

1810. *Pteropus rubricollis* E. Geoffroy Saint-Hilaire, Ann. Mus. Hist. nat. Paris, 15: 93. Type locality: Réunion: "Réunion Island". - Comments: One specimen sent by Mr. de la Nux: see Geoffroy Saint-Hilaire (1810a: 94). Andersen (1912b: 169) indicates that this is the same specimen as used by Brisson (1756) for his description of "*Pteropus collo rubro*" and by Buffon (1763) for his "*Rougette*".

1814. *Pteropus torquatus* G. Fischer, Zoognosia, 3: 553. - Comments: This is a renaming and redescription of Brisson's "*Pt. collo rubro*" (see Andersen, 1912b: 169).

1815. *Pteropus collaris* Illiger, Abh. K. Preuss. Akad. Wiss. Berlin, 78, 84. Type locality: Mauritius: Réunion: Type locality originally "E. African Islands", but restricted to Réunion by Andersen (1912b: 169). - Comments: "According to Andersen (1912b: 169), it looks like the publication was part of series dated 1804-1811, but actually appeared in 1815 in the section on E. African Islands." Simmons (*pers. comm.*).

1837. *Pteropus vulgaris* Temminck, Monogr. Mamm, 2: 74, pl. 38.

? *Pteropus subniger:* (Name Combination, Current Combination)

TAXONOMY:
See Bergmans (1991) and Simmons (2005: 344).

Almeida *et al.* (2014: 83) indicate that *P. subniger* could not be tested, but tentatively placed in an "*incertae sedis*" group.

COMMON NAMES:
Czech: kaloň maskarénský, upír obecný, upír červenokrký, kaloň obojkový. English: Dark Flying Fox, Lesser Mascarene Flying Fox, Lesser Mascarene Flying-fox. French: Petit Renard volant de Mascareignes, Roussette foncée, Rougette, Petit renard volant de Mascarene, Roussette à collet rouge. German: Kleiner Maskarenen-Flugfuchs. Spanish (Castillian): Zorro volador oscuro de Mauricio.

CONSERVATION STATUS:
Global - The last authentic record of this species on Mauritius was in 1859, but it is believed to have died out between 1864 and 1873. On Réunion, no new records appeared after 1862 and it seems probable that it became extinct in the 1860s (Mickleburgh *et al.*, 2008de; IUCN, 2009).

Assessment History -
2008 - EX ver 3.1 (2001) (Mickleburgh *et al.*, 2008de; IUCN, 2009). 2004 - EX ver 3.1 (2001) (Mickleburgh *et al.*, 2004cu; IUCN, 2004). 1996 - Ex (Baillie and Groombridge, 1996). 1994 - Ex (Groombridge, 1994). 1993 - Ex (World Conservation Monitoring Centre, 1993). 1990 - Ex (IUCN. 1990). 1988 - Ex (IUCN Conservation Monitoring Centre, 1988). 1981 - probably extinct (Cheke and Dahl, 1981).

CITES - Appendix II.

MAJOR THREATS:
Both deforestation and local hunting are thought to have contributed to the extinction of this species. It was thought to have lived in hollow trees (Mickleburgh *et al.*, 2008de; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008de) [in IUCN (2009)] report that this is no longer applicable.

GENERAL DISTRIBUTION:
Pteropus subniger was previously known from the Mascarenes Islands (Mauritius and Réunion). It was restricted to elevations of between 1,200 and 1,600 m asl.

O'Brien (2011: 286) reports it from the Tanzanian island of Mafia.

Regionally extinct: Mauritius; Réunion.

POPULATION:
Structure and Density - This species is now extinct. It is believed to have become extinct on Mauritius between 1864 and 1873. It is likely to have disappeared from Réunion in the 1860s. It may have lasted a little longer but is now certain to be extinct. In the 1730s it was common enough to consider for the bat oil trade (Mickleburgh *et al.*, 2008de; IUCN, 2009).

UTILISATION:
Caceres (2010: 9) indicates that in the 1730s its population (on La Réunion) was large enough to trade its fat.

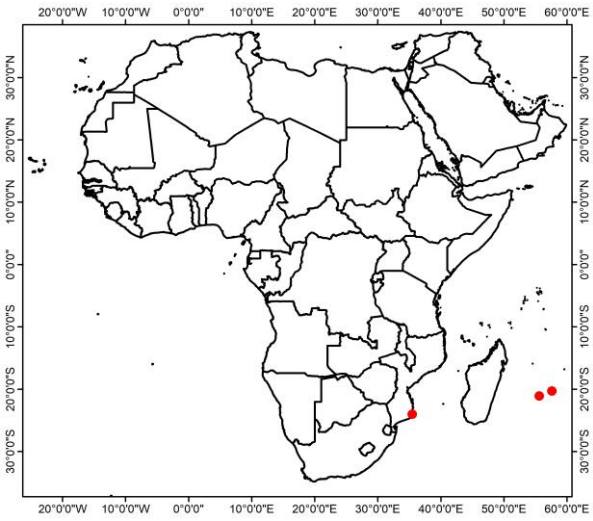

Figure 13. Distribution of *Pteropus subniger*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Mauritius, Mozambique, Réunion.

Pteropus voeltzkowi Matschie, 1909

*1909. *Pteropus (Spectrum) voeltzkowi* Matschie, Sber. Ges. naturf. Freunde Berlin, 486. Publication date: October 1909. Type locality: Tanzania: Pemba Island: Fufuni [ca. 07 31 S 38 25 E]. Holotype: ZMB 88677: ad ♂, skin and skull. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 13 March 1903. Paratype: ZMB ad ♀. See Turni and Kock (2008). Paratype: ZMB 88678: ad ♀. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 13 March 1903. See Turni and Kock (2008). Paratype: ZMB 88679: ad ♀. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 12 March 1903. See Turni and Kock (2008). Paratype: ZMB 88680: ad ♀. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 13 March 1903. See Turni and Kock (2008). Paratype: ZMB 88681: ad ♀. Collected by:

Prof. Dr. Alfred Voeltzkow; collection date: 13 March 1903. See Turni and Kock (2008).
? *Pteropus voeltzkowi:* (Name Combination, Current Combination)

TAXONOMY:
See Bergmans (1991) and Simmons (2005: 346).

P. voeltzkowi together with *P. livingstonii* form the most distinct and ancient lineage of the western Indian Ocean *Pteropus* spp. (O'Brien *et al.*, 2009). The phylogenetic analyses performed by Chan *et al.* (2011: 7) suggest that both are sister species. This is supported by Almeida *et al.* (2014: 85), who place this species in the "*livingstonii*" group.

COMMON NAMES:
Czech: kaloň pembánský, kaloň pembský. Dutch: Pemba vliegende hond. English: Pemba Flying-fox, Pemba Flying Fox. French: Renard volant de Pemba. German: Pemba-Flugfuchs. Spanish (Castillian): Zorro volador de Voeltzkow.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU D2 ver 3.1 (2001)) because it is known from only a single location (Pemba Island), where ongoing active conservation activities have significantly reduced the plausibility of future declines of this species (Mickleburgh *et al.*, 2008df; IUCN, 2009).

Assessment History -
2008 - VU D2 ver 3.1 (2001) (Mickleburgh *et al.*, 2008df; IUCN, 2009). 2004 - VU D2 ver 3.1 (2001) (Mickleburgh *et al.*, 2004cw; IUCN, 2004). 2002 - CR C2a (Mickleburgh *et al.*, 2002a: 22). 1996 - CR (Baillie and Groombridge, 1996). 1994 - EN (Groombridge, 1994). 1993 - EN (World Conservation Monitoring Centre, 1993). 1990 - EN (IUCN, 1990). 1988 - VU (IUCN Conservation Monitoring Centre, 1988).
CITES - Appendix II.

MAJOR THREATS:
Much of the natural forest habitat of this bat has been cleared or severely fragmented. The species has been hunted for food with the use of shotguns replacing traditional methods, resulting in an unsustainable use (Entwistle and Corp, 1997). As of 2005, hunting had been reduced but not stopped on Pemba (Trewhella *et al.*, 2005). An additional threat is posed by the collision of bats with overhead electric cables (Mickleburgh *et al.*, 2008df; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008df) [in IUCN (2009)] report that ongoing awareness raising on the importance and uniqueness of the endemic fruit bat, and the need for sustainable hunting, has been undertaken through environmental education programmes (Trewhella *et al.*, 2005; Juma, 2007). Income for the local community is being generated through bat related ecotourism activities (Juma, 2007). It has been reported from the recently gazetted Ngezi-Vumawimbi Nature Forest Reserve and Msitu Kuu Forest (Pakenham, 1984; Juma, 2007). Illegal logging and the invasive umbrella tree (*Maesopsis eminii*), that degrades the habitat of this bat, are being controlled within the Nature Forest Reserve (Juma, 2007).

A captive breeding program was set up in 1994, starting with 18 specimens, of which 12 were housed in the Phoenix Zoo (USA), but only 4 ♂♂ and 1 ♀ survived, and Carroll and Feistner (1996: 334) were not yet able to provide information about the program's success.

GENERAL DISTRIBUTION:
Pteropus voeltzkowi is endemic to the island of Pemba in Tanzania, where it occurs at elevations from sea level to 45 m asl.

Native: Tanzania.

MOLECULAR BIOLOGY:
DNA - See O'Brien *et al.* (2009).
Karyotype - Unknown.
Protein / allozyme - Unknown.

ROOST:
Entwistle and Corp (1997: 137) reported roosts to be found in primary forest (n = 5), secondary forest (overgrown clove plantations) (n = 6), traditional graveyards (n = 4), mangroves (n = 1), and isolated trees (n = 3).

The tree species included: *Uapaca guineensis, Mangifera indica, Ficus natalensis, Ficus lutea, Syzygium jambolanum, Terminalia catappa, Adansonia digitata, Antiaris toxicaria, Erythrophleum suaveolens, Afzelia quanzensis, Parinari curatellifolia*, and *Blighia unijugata*.

DIET:
Seltzer *et al.* (2013: table S2) provide an overview of the plant species found beneath bat feeding roosts. For *P. voeltzkowi* this includes *Ficus sur* Forssk. (Broom cluster fig - Moraceae).

POPULATION:
Structure and Density - In the early 1990s the population of this species appears to have been reduced to a few hundred animals at most (Mickleburgh *et al.*, 1992). Entwistle and Corp (1997) reported that in 1997, 94% of the population was restricted to 10 roosts (of 41 in total) with a

total estimate of 4,600 to 5,500 individuals. Entwistle (2001: 356) reported that more recent local participation in survey work had helped to give a more accurate population estimate of ca. 6,900 bats (Trewhella *et al.*, 2005). The population of bats has continued to increase and by the end of 2006 there were ca. 19,000 animals (Juma, 2007).
Trend - 2008 - Increasing (Mickleburgh *et al.*, 2008df; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Tanzania.

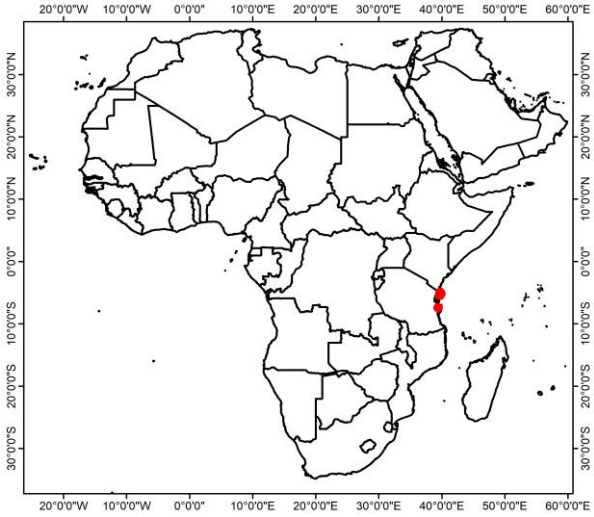

Figure 14. Distribution of *Pteropus voeltzkowi*

Subfamily Rousettinae Andersen, 1912

1912. *Epomophorinae* K. Andersen, Cat. Chiroptera Brit. Mus. Publication date: 23 March 1912. - Comments: Considered as a valid subfamily by Bergmans (1997: 69) who includes the tribes Epomophorini Gray, 1866 (*Epomophorus, Micropteropus, Hypsignathus, Epomops, Nanonycteris*), Myonycterini Lawrence and Novick, 1963 (*Myonycteris, Lissonycteris, Megaloglossus*), Scotonycterini Bergmans, 1997 [new tribe] (*Scotonycteris, Casinycteris*), Plerotini Bergmans, 1997 [new tribe] (*Plerotes*)? However, Almeida *et al.* (2016: 83) included the Epomophorine genera in the Rousettinae.

1912. *Rousettinae* K. Andersen, Cat. Chiroptera Brit. Mus. Publication date: 23 March 1912. - Comments: Bergmans (1997: 69) recognizes the Rousettinae as a separate subfamily in which he included the tribes Rousettini Andersen, 1912 (*Rousettus, Eonycteris, Eidolon*) and Dobsoniini Andersen, 1912 (*Dobsonia, Aproteles*). Almeida *et al.* (2016: 83), however, provided an entirely different arrangement.

1970. *Rousettina* Koopman and J.K. Jones Jr., Classification of Bats. - Comments: Not included in Simmons (2005) since it was not proposed as family name, but as a subdivision within the Pteropodidiae (Simmons, pers. comm.).

TAXONOMY:
The subfamily was already recognized by Bergmans (1997: 69) and confirmed by the phylogenetic study by Almeida *et al.* (2016: 83), although their content differs. Bergmans (1997: 69) considered the Epomophorinae to be a valid separate subfamily, whereas Almeida *et al.* (2016: 83) included them in the Rousettinae.

Currently recognized tribes and genera of Rousettinae: Rousettini (***Rousettus*** Gray, 1821), Eonycterini (*Eonycteris* Dobson, 1873), Scotonycterini (***Casinycteris*** Thomas, 1910, ***Scotonycteris*** Matschie, 1894), Epomophorini (***Epomophorus*** Bennett, 1836, ***Epomops*** Gray, 1870, ***Hypsignathus*** H. Allen, 1861, ***Micropteropus*** Matschie, 1899, ***Nanonycteris*** Matschie, 1899), Stenonycterini (***Stenonycteris*** Gray, 1870), Myonycterini (***Lissonycteris*** K. Andersen, 1912, ***Megaloglossus*** Pagenstecher, 1885, ***Myonycteris*** Matschie, 1899), Plerotini (***Plerotes*** K. Andersen, 1910).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Burundi, Cameroon, Congo (Democratic Republic of the), Kenya, Liberia.

Genus ***Casinycteris*** Thomas, 1910

*1910. *Casinycteris* Thomas, Ann. Mag. nat. Hist., ser. 8, 6 (31): 111. Publication date: 1 July 1910 [Goto Description]. - Comments: Type species: *Casinycteris argynnis* Thomas, 1910. (Current Combination)

TAXONOMY:
Revised by Bergmans (1991).

Included in the Scotonycterini tribe by Bergmans (1997: 69) and Almeida *et al.* (2016: 83), which was considered part of the Epomophorinae by the former and of the Rousettinae by the latter.

Known species of *Casinycteris*: ***argynnis*** Thomas, 1910; ***campomaanensis*** Hassanin 2014; ***ophiodon*** (Pohle 1943).

COMMON NAMES:
Czech: krátkonebí kaloni. English: Short-palate Fruit-bats, Short-palated Fruit-bats. French: Casinyctère. German: Kurzgaumen-Flughunde.

Casinycteris argynnis Thomas, 1910

*1910. *Casinycteris argynnis* Thomas, Ann. Mag. nat. Hist., ser. 8, 6 (31): 111. Publication date: 1 July 1910. Type locality: Cameroon: Ja River: Bitye [03 13 N 12 22 E, 2 000 ft] [Goto Description]. Holotype: BMNH 1911.5.5.1: ad ♀, skin and skull. Collected by: George Latimer Bates Esq. Collection date: 19 November 1909; original number: 502. (Current Combination)
1943. *[Scotonycteris] argynnis:* Pohle, Sber. Ges. naturf. Freunde Berlin, 86 (for 1942). (Name Combination)

TAXONOMY:
See Bergmans (1991) and Simmons (2005: 315 - 316).
COMMON NAMES:
Czech: kaloň krátkonebý. English: Golden Short-palate Fruit-bat, Yellow-winged Short-palate Fruit-bat, Thomas's Short-palate Fruit-bat, Short-palated Fruit Bat, Golden Short-palated Fruit Bat. French: Casinyctère dorée, Roussette à petit palais, Chauve-souris frugivore à palais court, Casinyctère. German: Goldener Kurzgaumen-Flughund.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008c; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008c; IUCN, 2009). 2004 -NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004k; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
Mickleburgh *et al.* (1992) indicate that there is little information on the threats to this species, but that it may be threatened by deforestation. It is possible that this species eats cultivated fruits, and consequently might be persecuted as a crop pest (Mickleburgh *et al.*, 2008c; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008c) [in IUCN (2009)] report that there appear to be no direct conservation measures in place, and it is not known if the species is present within any protected areas. Mickleburgh *et al.* (1992) recommend that surveys are needed to assess the conservation status of this species, to determine if it is present in protected areas, and to learn more about the food plants and general natural history of this species.

GENERAL DISTRIBUTION:
This lowland species is distributed in Central Africa. It has been recorded from southern Cameroon, the Central African Republic and the Democratic Republic of the Congo.

Native: Cameroon; Central African Republic; Congo (The Democratic Republic of the) (Bergmans, 1991; Lunde *et al.*, 2001: 537; Monadjem *et al.*, 2010d: 550); Equatorial Guinea; Gabon (Drexler *et al.*, 2012a: Suppl. Table S1).
Presence uncertain: Congo.

DETAILED MORPHOLOGY:
Chawana *et al.* (2013: 160) report an average brain mass of 0.83 g (n = 2).

FUNCTIONAL MORPHOLOGY:
The eye of this bat contains about 130,000 retinal ganglion cells (Coimbra *et al.*, 2016: 191). The minimum angle of resolution was about 0.227° (ca. 8 mm at 1 m distance).

HABITAT:
This species is generally associated with lowland tropical moist forest, swamp forest, a mosaic of these two forest habitats, and a mosaic of swamp forest and secondary grassland (Bergmans, 1991).

ROOST:
It is a solitary rooster, with one specimen collected in the dense foliage of a bush Nowak (1999).

DIET:
Gembu Tungaluna (2012: 91 - 93) followed the consumption of fruits by this species year-round in the DRC and reported the following: First heavy rain season (September - November): *Uapaca guineensis* Müll.Arg., 1864 (Sugar plum, red cedar, false mahogany, rikio) (31%), *Ficus leprieuri* Miq., 1867 (19%), *Ficus wildemanniana* Warb. (14%), *Pseudospondia microcarpa* Engl. (10%), *Musanga cecropioides* R. Br. & Tedlie (African corkwood tree, umbrella tree) (8%), *Myrianthus arboreus* P. Beauvois, 1805 (giant yellow mulberry, bush pineapple, corkwoord) (8%), *Spondias cytherea* Sonnerat, 1782 (Ambarella, otaheite apple, great hog plum) (2%), *Dacryoides edulis* H.J. Lam (safou, African pear, bush pear, Nsafu, bush butter tree, butterfruit) (2%), *Carica papaya* L. (papaya) (2%).
First mild rain season (December - February): *Ficus leprieuri* (42%), *Musanga cecropioides* (27%), *Myrianthus arboreus* (11%), *Spondias cytherea* (5%), *Uapaca guineensis* (5%), *Ficus vallis-choudae* Delile (5%), *Ficus wildemanniana* (5%).
Second heavy rain season (March - May): *Ficus wildemanniana* (62%), *Ficus leprieuri* (25%), *Pseudospondias microcarpa* (A. Rich.) Engl. (13%).
"Dry" season (June - August): *Ficus leprieuri* (100%).

PREDATORS:
Blanding's Tree Snake (*Toxicodryas blandingii*) was found in a mist net eating a traped *C. argynnis* in the Democratic Republic of the Congo (Nagy *et al.*, 2011).

POPULATION:
Structure and Density - It is locally not uncommon, with many specimens (~20) caught in mist nets from a locality in the eastern Democratic Republic of the Congo (Mickleburgh *et al.*, 2008c; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008c; IUCN, 2009). 2004 - Unknown (Mickleburgh *et al.*, 2004k; IUCN, 2004).

REPRODUCTION AND ONTOGENY:
The female gives birth to a single young (Hayssen *et al.*, 1993).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, three individuals for antibody to SARS-CoV in sera from Bandundu Province, DRC, none were found to be positive (0/3).

Filoviridae - Filo viruses
Marburgvirus - Towner *et al.* (2007) tested 2 individuals from Gabon using real-time RT-PCR and conventional and nested RT-PCR; neither were found to be positive for Marburg virus specific RNA.

Drexler *et al.* (2012a: Suppl. Table S1) indicated that none of the 21 specimens they examined from Gabon tested positive for *Respirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

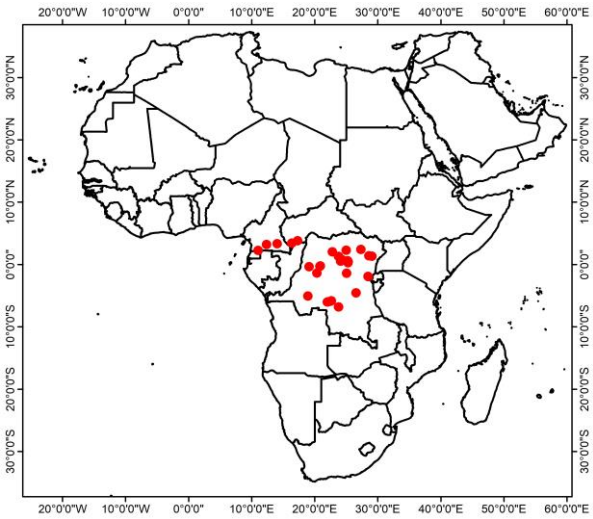

Figure 15. Distribution of *Casinycteris argynnis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Cameroon, Central African Republic, Congo (Democratic Republic of the).

Casinycteris campomaanensis Hassanin, 2014

*2014. *Casinycteris campomaanensis* Hassanin, C. R. Biologies, 337 (2): 134, 137, figs 1B, 3, 4. Publication date: 5 February 2014. Type locality: Cameroon: South Region: Campo-Ma'an area: Nkoélon-Mvini [02 23.831 N 10 02.691 E, 117 m] [Goto Description]. Holotype: MNHN ZM-2011-637: ad ♀, skull and alcoholic. Collected by: Alexandre Hassanin; collection date: 21 November 2007; original number: C07-41. - Etymology: The specific epithet refers to the Campo-Ma'an area, where the holotype was collected (see Hassanin, 2014: 137). (Current Combination)

COMMON NAMES:
English: Campo-Ma'an fruit bat. French: Casinyctère de Campo-Ma'an. German: Campomaan-Flughund.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon.

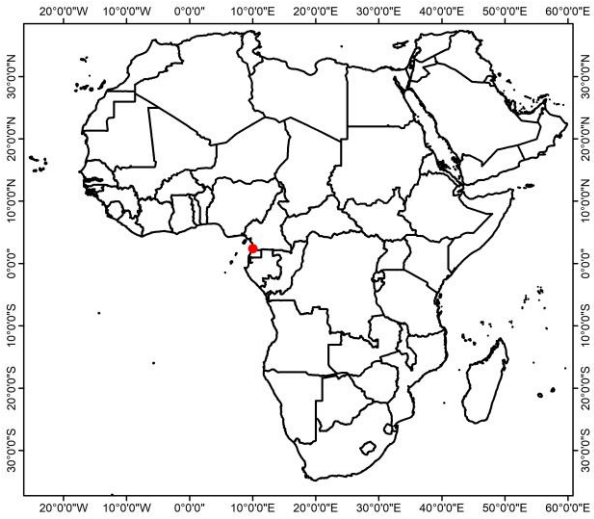

Figure 16. Distribution of *Casinycteris campomaanensis*

Casinycteris ophiodon (Pohle, 1943)

*1943. *Scotonycteris ophiodon* Pohle, Sber. Ges. naturf. Freunde Berlin, 78, figs 1 -2 (for 1942). Type locality: Cameroon: Kribi, Bez: Bipindi [03 06 N 10 30 E] [Goto Description]. Holotype: ZMB 50001: sad ♀, skull only. Collected by: Georg August Zenker; collection date: May 1899. See Turni and Kock (2008: 21). Pohle (1943: 78) mentioned that the skull was removed from the alcoholic specimen. - Etymology: From "*ophiodon*" meaning snake-toothed.

1946. *Scotonycteris ophiodon cansdalei* Hayman, Ann. Mag. nat. Hist., ser. 11, 12 (95): 766 (for 1945). Publication date: 19 September 1946. Type locality: Ghana: Central province: Oda district: Oda [05 55 N 00 56 W] [Goto Description]. Holotype: BMNH 1946.229: ad ♀, skin and skull. Collected by: George Soper Cansdale; collection date: 24 December 1945; original number: 420. - Etymology: In honour of Mr. George Soper Cansdale, the collector of the type specimen (see Hayman, 1946: 770).

2014. *Casinycteris ophiodon:* Hassanin, C. R. Biologies, 337 (2): 141. Publication date: 5 February 2014. (Current Combination)

TAXONOMY:
See Simmons (2005: 349).

COMMON NAMES:
Czech: kaloň hadozubý. English: Snake-toothed Harlequin Fruit-bat, Pohle's Harlequin Fruit-bat, Snake-toothed Tear-drop Fruit-bat, Pohle's Tear-drop Fruit-bat, Pohle's Fruit Bat. French: Scotonyctère à dents de serpent, Roussette de Pohle. German: Schlangenzähniger Harlekin-Flughund, Pohles Harlekin-Flughund.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU A2c ver 3.1 (2001)) because it is suspected that a population decline, estimated to be more than 30% would be met over the next 10 years or three generations, inferred from the susceptibility of the specialist species to habitat degradation (Mickleburgh *et al.*, 2008db; IUCN, 2009).

Assessment History -
2008 - VU A2c ver 3.1 (2001) (Mickleburgh *et al.*, 2008db; IUCN, 2009). 2004 - EN A4c ver 3.1 (2001) (Mickleburgh *et al.*, 2004co; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is highly impacted by deforestation, and through forest fragmentation and degradation. Threats presumably include logging and mining activities, and the conversion of land to agricultural use (Mickleburgh *et al.*, 2008db; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008db) [in IUCN (2009)] report that this species has been recorded from the Mount Nimba World Heritage Site (Guinea, Liberia and Côte d'Ivoire) and from Tai National Park (Côte d'Ivoire). There is a need to maintain areas of suitable primary forest throughout much of West Africa, especially in areas where this seemingly rare bat has been recorded. Further field surveys are needed to locate any additional populations of this species.

GENERAL DISTRIBUTION:
Scotonycteris ophiodon is known only from a relatively few scattered records in West Africa and Central Africa. It has been recorded from Liberia, Côte d'Ivoire, Ghana, Cameroon and Congo. It seems to be known from 16 localities only, and has not been recorded from a number of areas where intensive netting has taken place. The species has been recorded at elevations from 120 m (Oda, Ghana) to 1,200 m asl (Mount Nimba).

Native: Cameroon; Congo; Côte d'Ivoire (Henry *et al.*, 2004: 24); Ghana; Liberia.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Haiduk *et al.*, 1980; 1981: 226) reported 2*n* = 34, FN = 62, BA = 32, a subtelocentric X chromosome and an acrocentric Y chromosome for specimens from Cameroon.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - This appears to be a naturally rare species (Mickleburgh *et al.*, 2008db; IUCN, 2009).
Trend - Decreasing (Mickleburgh *et al.*, 2008db; IUCN, 2009).

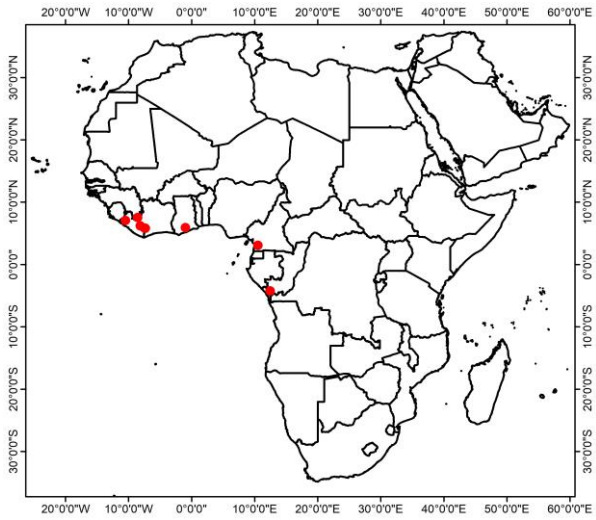

Figure 17. Distribution of *Casinycteris ophiodon*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo, Côte d'Ivoire, Ghana, Liberia.

Genus ***Epomophorus*** Bennett, 1836

1835. *Pteropus:* Ogilby, Proc. zool. Soc. Lond., 1835, III (xxxi): 100. Publication date: 9 October 1835. - Comments: Preoccupied by *Pteropus* Erxleben, 1777.
*1836. *Epomophorus* Bennett, Proc. zool. Soc. Lond., 1835, III (xxxiv): 149. Publication date: 12 February 1836. - Comments: Type species: *Pteropus whitei* var. *epomophorus* Bennett, 1836 (= *Pteropus gambianus* Ogilby, 1835). - Etymology: From the Greek "*ἐπί*", meaning upon, "*ωμος*", meaning shoulder, and "*φόρος*", meaning bearing, refering to the conspicuous tufts of hair on the shoulders of the males (see Palmer, 1904: 268; Boulay and Robbins, 1989: 4). (Current Combination)
1853. *Pachysoma* Temminck, Esq. zool. Côte de Guiné, 64. - Comments: Preoccupied by *Pachysoma* MacLeay, 1821, a genus of Coleoptera: see Boulay and Robbins (1989: 1). Not *Pachysoma* I. Geoffroy Saint-Hilaire, 1828. Andersen (1912b: 514) indicates that *Pachysoma* Temminck includes both *Epomophorus* and *Cynopterus*.
1975. *Epomorphus:* Höhne, Loose and Seeliger, Ann. Microbiol. (Inst. Pasteur), 126 A: 503. (Lapsus)
1978. *Epomophevus:* Arata and Johnson, in: Pattijn, Ebola Virus Haemorrhagic Fever, 135. (Lapsus)
2016. *Epomorphorus:* Pancer, Gut and Litwinska, Post. Mikrobiol., 55 (2): 208. (Lapsus)
2017. *Epomophorous:* Waruhiu, Ommeh, Obanda, Agwanda, Gakuya, Ge, Yang, Wu, Zohaib, Hu and Shi, Virol. Sin., 32 (2): 5. Publication date: 6 April 2017. (Lapsus)
? *Epomophorus sp.:*

TAXONOMY:
Revised by Bergmans (1988), who transferred *Micropteropus grandis* to this genus. A key to this genus is presented in Boulay and Robbins (1989) and Claessen and De Vree (1991). See Simmons (2005: 322).

Almeida *et al.* (2016: 83) found *Epomophorus* to be paraphyletic not only because they transferred *dobsonii* from the genus *Epomops*, but also because *Micropteropus pusillus* seems highly related. However, they suggest further investigation of rapidly evolving nuclear loci and additional species of both genera to decide whether *Micropteropus* and *Epomophorus* are synonyms.

Included in the Epomophorinii tribe by Bergmans (1997: 69) and Almeida *et al.* (2016: 83), which

was considered part of the Epomophorinae by the former and of the Rousettinae by the latter.

Known species of *Epomophorus*: ***angolensis*** Gray, 1870; ***anselli*** Bergmans and Van Strien, 2004; ***crypturus*** Peters, 1852; ***dobsonii*** Bocage, 1889; ***gambianus*** (Ogilby, 1835); ***grandis*** (Sanborn, 1950); ***labiatus*** (Temminck, 1837); ***minimus*** Claessen and De Vree, 1991; ***minor*** Dobson, 1880; ***wahlbergi*** (Sundevall, 1846).

COMMON NAMES:
Czech: výložkoví kaloni. English: Epauletted Fruit-bats. French: Epomophores, Chauves-souris à épaulettes. German: Epaulettenflug-hund, Epaulettenflughunde. Italian: Epomòfori. Kiluba (DRC): Mulima.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Fenton (1992: 49) suggests that the white ear spots present disruptive patterns, which contribute to the cryptic appearance of these bats when resting in foliage.

DETAILED MORPHOLOGY:
The region of the shoulder pouches was morphologically, anatomically and histologically investigated by Püscher (1972), who found special muscles to move the dermal pouch, but no special cutaneous glands.

PREDATORS:
Steyn (1964: 257) reported an Epauletted Fruit Bat of 6 inches being eaten by a small Python of 2 feet 7 inches.

Mikula *et al.* (2016: Supplemental data) mention *Epomophorus* sp. to be preyed upon by African goshawk (*Accipiter tachiro* (Daudin, 1800)) [possibly either *E. crypturus* or *E. wahlbergi*], Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850).

PARASITES:
BACTERIA
Bartonellae
Kamani *et al.* (2014: 628) tested 30 Nigerian *Epomophorus* sp., and found at least 16 of them testing positive for *Bartonella* DNA.

HAEMOSPORIDA
Perkins and Schaer (2016: Suppl.) mention the presence of *Hepatocystis epomophori* Rodhain, 1926 in *Epomophorus* sp. bats. Of the 138 South Sudanese *Epomophorus* sp. bats examined by Schaer *et al.* (2017: 2), 130 (94 %) were infected by *Hepatocystis*.

HEMIPTERA
Cimicidae: Haeselbarth *et al.* (1966: 8) recorded *Afrocimex constrictus* Ferris & Usinger 1957 associated with *Epomorphorus* sp. from Kiambu, near Nairobi, Kenya.

DIPTERA
Nycteribiidae: *Cyclopodia greeffi* Karsch 1884 found in a belt across central Africa, between lat. 10º south and north, while in West Africa it occurs further north up to lat. 20º (Haeselbarth *et al.*, 1966: 117).

VIRUSES:
Flaviviridae
Andral *et al.* (1968: 855) reported on the isolation of yellow fever virus in Ethiopia from either *Epomophorus anurus*, "*Epomophorus monstruosus*" or "*Epomophorus limbatus*".

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Botswana, Burundi, Central African Republic, Congo (Democratic Republic of the), Ethiopia, Gabon, Kenya, Liberia, Mozambique, Namibia, Nigeria, Rwanda, Senegal, South Africa, South Sudan, Tanzania, Uganda, Zambia.

Epomophorus angolensis Gray, 1870

*1870. *[Epomophorus macrocephalus] var. angolensis* Gray, Catalogue of Monkeys, Lemurs and Fruit-eating bats in the collection of the British Museum London, 125. Type locality: Angola: Benguela [12 34 S 13 24 E, 160 m] [Goto Description]. Holotype: BMNH 1864.1.9.4: juv ♂. Presented/Donated by: Mr. J.J. Monteiro Esq. - Etymology: Named from a specimen taken at Benguela, Angola (see Smithers, 1983: 56; Taylor, 2005).
? *Epomophorus angolensis:* (Name Combination, Current Combination)

TAXONOMY:
Member of the *gambianus* species group Simmons (2005: 322). See also Bergmans (1988).

COMMON NAMES:
Afrikaans: Angola-witkolvrugtevlermuis. Czech: kaloň angolský. English: Angolan Epauletted Fruit-bat, Angolan Epauletted Fruit Bat. French: Epomophore d'Angola, Roussette à épaulettes d'Angola. German: Angola-Epaulettenflughund.

CONSERVATION STATUS:
Global - Listed as Near Threatened because this species may be in significant decline (but

presumably at a rate of less than 30% over ten years) because of the loss of riverine roosting and fruit trees (almost qualifies as threatened under criterion A2c) (Mickleburgh *et al.*, 2008d; IUCN, 2009). This is a precautionary listing, as it is possible that the species has a less restricted habitat, and as such should be listed as Least Concern (Mickleburgh *et al.*, 2008d; IUCN, 2009).

Assessment History -
2008 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2008d; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004b; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996). 1994 - Rare (Groombridge, 1994).

MAJOR THREATS:
This species is threatened by the removal of roost trees, often for use as fuel. Griffin (1998) indicates that the removal of riverine trees is a particular threat to species of *Epomophorus* in Namibia, with relatively little suitable habitat remaining; presumably this is similar problem in Angola. It may have been threatened by the availability of firearms during the long civil war in Angola, although this requires confirmation.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008d) [in IUCN (2009)] report that there appear to be no direct conservation measures in place for this species (it has been recorded from Mupa National Park and Bikuar National Park in Angola). There is a need to conserve remaining areas of suitable roosting and feeding sites for this species, and for new field surveys to better determine the current conservation status of the species (Mickleburgh *et al.*, 2008d; IUCN, 2009).

GENERAL DISTRIBUTION:
Epomophorus angolensis is present in Angola and adjacent parts of northern Namibia. It is largely a lowland species, but may range into more montane areas. In Angola it is present west and south of the Mosaic of Guineo-Congolian lowland rain forest and secondary grassland (Bergmans, 1988). In eastern Angola the range seems to be halted by the extensive mosaic region of *Brachystegia bakerana* thicket and edaphic grassland (Bergmans, 1988).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 339,737 km^2.

Native: Angola (Bergmans, 1988; Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 551); Namibia (Monadjem *et al.*, 2010d: 551).

HABITAT:
Bergmans (1988; 1999) reports that the species is present in wetter Zambezian miombo woodland, north Zambezian woodland; *Colophospermum mopane* woodland and scrub woodland. Skinner and Chimimba (2005) suggest that the species may be largely confined to riverine forest and other evergreen forest with fruit-bearing trees.

HABITS:
Shortridge (1934) reported on animals hanging singly from bare branches of large Acacia trees near the Cunene River, however, loose colonies of up to 200 have also been found.

POPULATION:
Structure and Density - The abundance of this species is poorly known, with very little recent information (Mickleburgh *et al.*, 2008d; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008d; IUCN, 2009).

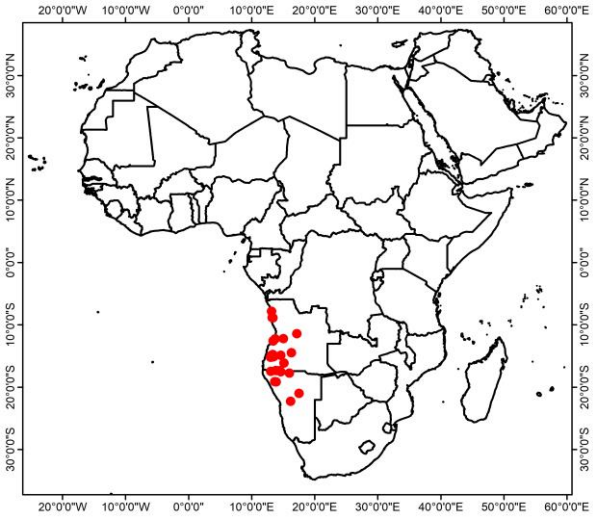

Figure 18. Distribution of *Epomophorus angolensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Namibia.

Epomophorus anselli Bergmans and Van Strien, 2004

*2004. *Epomophorus anselli* Bergmans and Van Strien, Acta Chiropt., 6 (2): 258. Type locality: Malawi: Kasungu National Park: Lisanthu [13 00 S 33 10 E, 1 000 m]. Holotype: ZMA MAM.21693b: ad ♂, skull and alcoholic. Collected by: Hugo Jachmann; collection date: 19 March 1982; original number: #25. See Bergmans and Van Strien (2004: 258 - 259). Paratype: ZMA MAM.26105: sad ♀, skin and skull. Collected by: Nico J. Van Strien;

collection date: 19 May 1988; original number: #162. Locality: Lifupa Camp - 13.05 S 3005E, 1050 m; see Bergmans and Van Strien (2004: 258 - 259). - Comments: Publication date: The volume is for "September 2004", but the paper has been accepted on 16 October 2004. - Etymology: In honour of Mr. William Frank Harding Ansell for his important contributions to the mammalogy of Malawi and other African countries (see Bergmans and Van Strien, 2004: 262). (Current Combination)

TAXONOMY:
See Bergmans and Van Strien (2004).

COMMON NAMES:
Czech: kaloň Ansellův. French: Epomophore d'Ansell. German: Ansells Epaulettenflughund.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) since it has only recently been described, and there is still very little information on its extent of occurrence, status, threats and ecological requirements (Bergmans and van Strien, 2008; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Bergmans and van Strien, 2008; IUCN, 2009).

MAJOR THREATS:
Bergmans and Van Strien, 2004) note that they "have no reason to believe that the species is in any danger but at the same time the available data are few and between 43 and 16 years old".

CONSERVATION ACTIONS:
Bergmans and van Strien (2008) [in IUCN (2009)] reported that this species has been recorded from the Kasungu National Park in Malawi, and further field surveys are needed to better understand the distribution range, threats and conservation status of this species .

GENERAL DISTRIBUTION:
Epomophorus anselli is currently only known from Malawi, where it has been collected in the Kasungu National Park (collected in 1982 and 1988) and (most probably) the Karonga area (collected in 1961) (Bergmans and Van Strien, 2004).

Native: Malawi (Bergmans and Van Strien, 2004; Monadjem *et al.*, 2010d: 551).

HABITAT:
Bergmans and Van Strien (2004) record that 'the type specimen was mist netted in Miombo woodland at an elevation of 1,000 m, over a stream between two water berry trees, *Syzygium cordatum* Hochst., in fruit (Bergmans and Jachmann, 1983).' Furthermore, they state that 'the vegetation of Lifupa Camp, the locality where the female paratype was collected (exact elevation unknown, but between 1,000 and 1,100 m) is Miombo woodland with *Brachystegia* and *Julbernardia* (Bergmans and Jachmann, 1983)'.

POPULATION:
Structure and Density - It is only known from a few specimens (Bergmans and van Strien, 2008; IUCN, 2009).
Trend- 2008- Unknown (Bergmans and van Strien, 2008; IUCN, 2009).

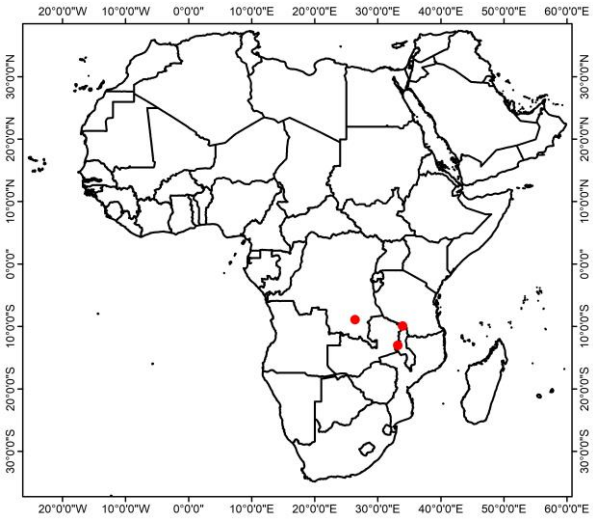

Figure 19. Distribution of *Epomophorus anselli*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Malawi.

Epomophorus crypturus Peters, 1852

*1852. *Epomophorus crypturus* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 26, pl. 5, pl. 13, fig. 1 - 6. Type locality: Mozambique: Lower Zambezi River: Tete [16 10 S 33 35 E, 230 m] [Goto Description]. Lectotype: ZMB 10080: ad ♀, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. Lectotype designated by Andersen (1912b: 537); formerly ZMB

553; see Turni and Kock (2008). Paralectotype: ZMB 10018: ♀, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Andersen (1912b) and Turni and Kock (2008: 8). Paralectotype: ZMB 10019: ♀, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Andersen (1912b) and Turni and Kock (2008: 8). Paralectotype: ZMB 10020: ♂, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Andersen (1912b) and Turni and Kock (2008: 8). Paralectotype: ZMB 10078: skull only. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Andersen (1912b) and Turni and Kock (2008: 8). Paralectotype: ZMB 10081: skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. Formerly ZMB 355. See Andersen (1912b) and Turni and Kock (2008: 8). Andersen (1912b: 537) also mentions that most of the paratypes are immature specimens, and that Peters' adult male is in fact an immature.

1960. *Epomophorus gambianus parvus* Ansell, Rev. Zool. Bot. afr., 61: 160. Type locality: Zambia: Zambezi district: Chingi [13 01 S 22 44 E]. Holotype: BMNH 1959.610: ad ♂. - Comments: Type locality originally Balovale [=Zambezi] district, restricted to Chingi by Ansell (1978: 17).

1986. *Epomophorus crypturus parvus:* Meester, Rautenbach, Dippenaar and Baker, Transv. Mus. Monogr., 5: 27. (Name Combination)

1988. *Epomophorus gambianus crypturus:* Bergmans, Beaufortia, 38 (5): ???. (Name Combination)

? *Epomophorus angolensis:* - Comments: Not of Gray, 1870.

? *Epomophorus crypturus crypturus:* (Name Combination)

? *Epomophorus gambianus:* - Comments: Not of Ogilby, 1835.

Taxonomy:

Bronner *et al.* (2003) state that *Epomophorous crypturus* was previously afforded full species status (Corbet and Hill, 1980; Swanepoel *et al.*, 1980; Koopman, 1982; Meester *et al.*, 1986; Claessen and De Vree, 1990, 1991; 2005).

Meester *et al.* (1986) states that Koopman (1966) considers the possibility that the extralimital *E. anurus* Heuglin, 1864, may be conspecific with *crypturus*. This would extend the range of *crypturus* to Uganda, Rwanda, southern Sudan, Ethiopia, Eritrea and westwards to Nigeria. However, Kock (1969a) and Koopman (1975) regard *anurus* instead as a synonym of the extralimital *E. labiatus* (Temminck, 1837), while Hayman and Hill (1971) retain it as a separate species, so that a close relationship with *crypturus* does not seem to be indicated. Further uncertainty surrounds the status of *E. gambianus parvus*. Ansell (1978), while treating *parvus* as a subspecies of *gambianus*, expresses doubt whether *parvus* can be distinguished at species level from *crypturus*, and suggests that *crypturus* and *gambianus* are conspecific, with *parvus* as an intermediate subspecies or a stage in a cline running between them. Koopman (1982) retains *gambianus* as a separate species, but includes *parvus* in *crypturus*, without specifying whether or not he regards it as subspecifically distinct. While acknowledging that this problem remains to be solved we shall provisionally treat *parvus* as a taxon of *crypturus*.

Common Names:

Afrikaans: Peters se witkolvrugtevlermuis, Peters-witkolvrugtevlermuis, Klein Vrugtevlermuis. Czech: kaloň mosambický. English: Peters's Epauletted Fruit Bat, Smaller Epauletted fruit bat. French: Epomophore de Peters, Roussette à épaulettes de Peters. German: Peters' Epaulettenflughund. Nyanja: Mleme. Portuguese: Morcego frugivoro de Peters.

Etymology of common name:

In honour of Wilhelm Carl Hartwig Peters who, in 1852, published a monumental work on zoological material collected mainly in the Tete District of Mozambique (Smithers, 1983: 58).

Similar Species:

Taylor and Monadjem (2008: 24) provided data which enabled them to separate *E. crypturus* from *E. wahlbergi*. In the first species, the maxillary width is always smaller than in the latter (♂♂: < 14 mm; ♀♀: < 13 mm).

Conservation status:

Global assessment- Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it occurs in a number of protected areas, has a tolerance of a degree of habitat modification, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008e; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) assessed as *E. crypturus* (Mickleburgh *et al.*, 2008e; IUCN, 2009). 2004 - LC ver 3.1 (2001) assessed as *E. crypturus* (Mickleburgh *et al.*, 2004c; IUCN, 2004).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016x). 2004 - DD ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species as a whole. Some populations may be impacted by general persecution as crop pests (Mickleburgh *et al.*, 2008e; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008e) [in IUCN (2009)] state that this species has been recorded from many protected areas, and no direct conservation measures are needed for this widespread and adaptable species as a whole.

GENERAL DISTRIBUTION:
E. crypturus is a widespread southern African species distributed from southern parts of the Democratic Republic of the Congo and southern Tanzania, to the eastern coastline of South Africa. It ranges from eastern Angola and northern Botswana to the southeastern African coastline. It has been recorded at elevations of up to 2,185 m asl, although it has mostly been collected between 500 and 1,500 m asl (Mickleburgh *et al.*, 2008e; IUCN, 2009). For South Africa, Babiker Salata (2012: 49) found that its distribution is stongly associated with the mean temperature of the coldest quarter.

Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,213,597 km^2.

Native: Angola (Bergmans, 1988; Monadjem *et al.*, 2010d: 551); Botswana (Bergmans, 1988; Monadjem *et al.*, 2010d: 551); Congo (The Democratic Republic of the) (Schouteden, 1944; Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 551); Malawi (Happold *et al.*, 1988; Bergmans, 1988; Happold and Happold, 1997b: 813; Monadjem *et al.*, 2010d: 551); Mozambique (Smithers and Lobão Tello, 1976; Bergmans, 1988; Monadjem *et al.*, 2010d: 551; 2010c: 376); Namibia (Monadjem *et al.*, 2010d: 552); South Africa (Monadjem *et al.*, 2010d: 552); Swaziland (Monadjem *et al.*, 2010d: 552); Tanzania; Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 552); Zimbabwe (Monadjem *et al.*, 2010d).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Peterson and Nagorsen (1975: 4) recorded the following for specimens identified as *E. gambianus* from Zimbabwe: 2*n* = 35, FN = 68, BA = 34. They also recorded for specimens identified as *E. crypturus* 2*n* = 35 for a male, and 2*n* = 36 for a female (XO; see also Nesi *et al.*, 2011: 552).

HABITAT:
This species is generally associated with dry savanna and riverine forest with fruit bearing trees (Mickleburgh *et al.*, 2008e).

ROOST:
Colonies often roost under the canopy of trees, in thick foliage (Mickleburgh *et al.*, 2008e).

MIGRATION:
Populations exhibit considerable movements in search of food, and may come into towns and feed on crops and fruit trees (Mickleburgh *et al.*, 2008e).

DIET:
Bonaccorso *et al.* (2014: 41) studied the foraging movements of *E. crypturus* in the Kruger National Park (RSA) in relation to the distribution of sycamore figs *Ficus sycomorus*. They also performed germination trials on 20 intact seeds that had passed through the gastro-entero tract of the bats and found 100 % germination. They also found (p. 48) that during a very dry period, the bats flew between 4 and 14 km from their roosting site to fruiting *F. sycomorus*. In normal circumstances, they only flew 400 - 2,000 m. The bats visited up to four fig trees per night.

POPULATION:
Structure and Density - It is a quite common species, sometimes forming loose colonies of hundreds of bats (Mickleburgh *et al.*, 2008e; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008e; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
In the Kruger Park, Pienaar (1964: 8) reported single young attached to their mothers in December and January.

MATING:
McCracken and Wilkinson (2000: 349) suggest that *E. crypturus* uses nocturnal display sites where females visit males for mating. Males call from roosts in trees that are spaced about 50 m apart along rivers.

At Shingwedzi (Kruger National Park), Adams and Snode (2015: 4) found the following values for the

male mating calls: mean fundamental frequency: 15.71 ± 0.07 kHz (first harmonic), only in one case followed by multiple harmonics at 16, 48, 64, 96, and 112 kHz.

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV: Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera in four individuals from Limpopo Province, none tested positive (0/4) and six individuals from Mpumalanga Province, South Africa, none tested positive (0/6).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Botswana, Central African Republic, Congo (Democratic Republic of the), Malawi, Mozambique, Namibia, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe.

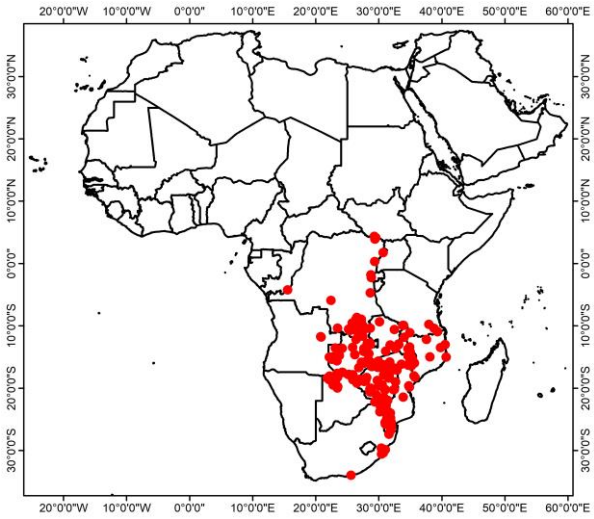

Figure 20. Distribution of *Epomophorus crypturus*

Epomophorus dobsonii Bocage, 1889

*1889. *Epomophorus Dobsonii* Bocage, J. Sci. mat. phys. nat., ser. 2, 1 (1): 1, Fig 1. Publication date: March 1889. Type locality: Angola: Benguela district: Quindumbo [Goto Description]. Neotype: AMNH 88068: ♂, skin and skull. Collected by: the Phipps-Bradley Expedition; collection date: 27 February 1933; original number: 902. At Chitau, 4930 ft. Designated by Bergmans (1989) (see AMNH website). - Comments: Andersen (1912b: 501) mentions that the original type was an adult male in the Lisbon museum. Frequently mentioned as *dobsoni*. - Etymology: Named after George Edward Dobson who, among his many other papers on bats, published a Catalogue of the Chiroptera in the collection of the British Museum in 1878 (see Taylor, 2005).

1899. *Epomophorus (Epomops) dobsoni:* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 57. (Name Combination)

1912. *Epomops dobsoni:* K. Andersen, Catalogue of the Chiroptera in the British Museum. Second Edition. Volume I: Megachiroptera: viii, lvi, 500. (Name Combination, Lapsus)

1939. *Epomops dobsonii:* G.M. Allen, Bull. Mus. comp. Zool., 83: 57. Publication date: February 1939. (Name Combination)

2016. *E. dobosonii:* Calderon, Guzman, Salazar-Bravo, Figueiredo, Mattar and Arrieta, Manter, Suppl. 6: 7. Publication date: 30 September 2016. (Lapsus)

? *Epomophorus dobsoni:* (Alternate Spelling)

TAXONOMY:
See Bergmans (1979b; 1989) and Simmons (2005: 323).

The phylogenetic analyses by Almeida *et al.* (2016: 83) suggest that *dobsonii* is closely related to *Epomophorus wahlbergi* and they transfered the species to the latter genus.

COMMON NAMES:
Afrikaans: Dobson se vrugtevlermuis, Dobson-vrugtevlermuis. Czech: kaloň Dobsonův. English: Dobson's Fruit Bat, Dobson's Epauletted Fruit Bat, Dobson's Epauletted Bat, Singing Fruit Bat. French: Epomophore de Dobson, Roussette de Dobson. German: Dobsons Epauletten-flughund.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bx; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bx; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004cj; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species (Mickleburgh *et al.*, 2008bx; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bx) [in IUCN (2009)] report that it has been recorded from Kasungu National Park in Malawi and from Parc National de l'Upemba in the Democratic Republic of the Congo. There is a need for additional studies into the natural history of this species and into any possible future threats to the species (Mickleburgh *et al.*, 1992).

GENERAL DISTRIBUTION:
Epomophorus dobsonii is distributed in East Africa, Central Africa and southern Africa. It has been recorded from Angola, Namibia, Zambia, southern Democratic Republic of the Congo, Malawi and Mozambique, being found as far north as Tanzania and possibly Rwanda. It has been recorded at elevations of up to 1,500 m asl (in Malawi) and at 1,890 m asl at Kibwele, Tanzania.

For southern Africa (south of 8° S), Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 503,585 km^2.

Native: Angola (Crawford-Cabral, 1989; Bergmans, 1989; Monadjem *et al.*, 2010d: 553); Botswana (Monadjem *et al.*, 2010d: 554); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 554); Malawi (Bergmans, 1989; Monadjem *et al.*, 2010d: 554); Mozambique; Namibia; Tanzania; Zambia (Ansell, 1973; Bergmans, 1989; Monadjem *et al.*, 2010d: 554); Zimbabwe.
Presence uncertain: Namibia (see Cotterill, 2004a: 260); Rwanda.

POPULATION:
Structure and Density - It does not appear to be an especially rare species in Malawi. There is little information on the abundance of the species over the rest of its range, but it is presumed to be reasonably common (Mickleburgh *et al.*, 2008bx; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008bx; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Hill (1941) [in Fox *et al.* (2009: 272) reported that "*E. dobsoni*" gave birth to two young, but Fox *et al.* (2009: 272) indicate that this statement was based on translated field notes, and it is not clear whether they refer to twins or to two birthing seasons each year.

VIRUSES:
Rhabdoviridae
Lyssavirus - Rabies related viruses
de Jong *et al.* (2011: 9) and Willoughby *et al.* (2017: Suppl.) report Lagos Bat Virus from *E. dobsonii*.

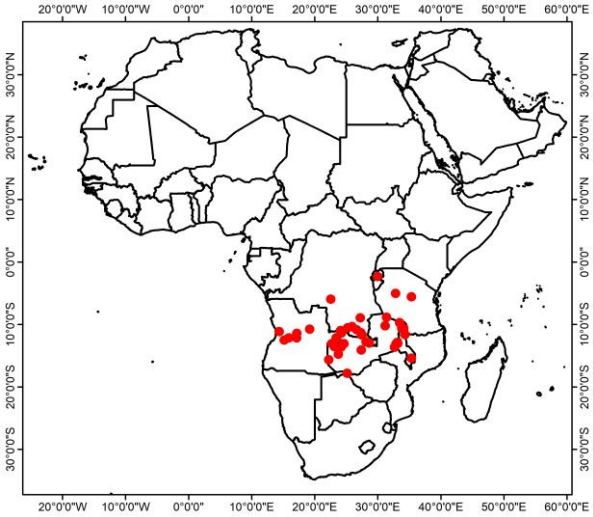

Figure 21. Distribution of *Epomophorus dobsonii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Botswana, Congo (Democratic Republic of the), Malawi, Rwanda, Tanzania, Zambia, Zimbabwe.

Epomophorus gambianus (Ogilby, 1835)

*1835. *Pteropus Gambianus* Ogilby, Proc. zool. Soc. Lond., 1835, III (xxxi): 100. Publication date: 9 October 1835. Type locality: The Gambia: Banjul [Goto Description]. Holotype: BMNH 1907.1.1.233: ad ♀, skin and skull. Collected by: Dr. Percy Rendall. Formerly in Tomes collection. Paratype: BMNH 1874.a-c: 2 sad FF, 1 imm F, skin and skull. Collected by Liet. Rendall. Paratype: BMNH 1874.a = 124b: imm ♀. Paratype: BMNH 1874.b = 124c: ad ♀. Collected by: Dr. Percy Rendall. Paratype: BMNH 1874.c = 124d: imm ♀. Paratype: BMNH 1907.1.1.231: sad ♀, skin and skull. Collected by: Dr. Percy Rendall. Formerly in Tomes collection. - Comments: Type locality restricted by Kock *et al.* (2002: 80). - Etymology: Named as the species was described from a specimen from Gambia in West Africa (see Taylor, 2005).

1898. *Epomophorus guineensis* Bocage, J. Sci. mat. phys. nat., ser. 2, 5 (19): 136, fig. 3. Publication date: June 1898. Type locality: Guinea-Bissau: Bolama [11 35 N 15 30 W] [Goto Description]. - Comments: Andersen (1912b: 541) mentions the type specimen as

being a mounted ad ?, skull extracted, coll. Sr. Damasceno da Costa, and in the Lisbon Museum.
2017. *Epomorphus giambianus:* Banyard and Fooks, Microbiol. Aust., 38 (1): 18. Publication date: March 2017. (Lapsus)
? *Epomophorus gambianus:* (Name Combination, Current Combination)

TAXONOMY:
See Boulay and Robbins (1989), Claessen and De Vree (1990) and Simmons (2005: 322).

Two subspecies are currently recognized: *E. g. gambianus* (Ogilby, 1835) and *E. g. pousarguesi* Trouessart, 1904.

COMMON NAMES:
Afrikaans: Gambiaanse witkolvrugtevlermuis. Czech: kaloň výložkový, kaloň větší. English: Gambian Epauletted Fruit bat, Gambian Epauleted Bat. French: Epomophore de Gambie, Chauve-souris à épaulettes de Gambie. German: Gambia Epaulettenflughund. Tanoboase (Ghana): sreso ampane [="original or normal bat'], ampane kronfo [="thief or criminal bat"] (see Ohemeng *et al.*, 2017: 184).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001) assessed as full species in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008f; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008f; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004l; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There are no major threats to this species as a whole. In parts of its range it is locally threatened by overhunting for food and habitat loss through logging and conversion of land to agricultural use (Mickleburgh *et al.*, 2008f; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008f) [in IUCN (2009)] state that the species has a wide range, and is presumably present in many protected areas.

GENERAL DISTRIBUTION:
Senegal, Gambia over Guinea (Fahr and Ebigbo, 2003: 128), Mali (Meinig, 2000: 104), Benin (Capo-Chichi *et al.*, 2004: 161), Cameroon (Bakwo Fils *et al.*, 2014: 3), Central African Republic (Morvan *et al.*, 1999: 1195) to W Ethiopia, south to South Sudan.

Simmons (2005: 322) includes Malawi and Botswana, these records may be associated with *crypturus* and need to be verified.

E. g. gambianus - west Africa.
E. g. pousarguesi - east Africa.

Native: Benin (Capo-Chichi *et al.*, 2004: 161), Burkina Faso (Kangoyé *et al.*, 2015a: 605), Cameroon (Bakwo Fils *et al.*, 2014: 3), Central African Republic (Morvan *et al.*, 1999: 1195), Chad, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Gabon, Ghana, Guinea (Fahr and Ebigbo, 2003: 128; Decher *et al.*, 2016: 261), Guinea-Bissau (Bocage, 1889a:2; Seabra, 1898b; Monard, 1939; Veiga-Ferreira, 1948; Bergmans, 1988; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 22), Liberia, Mali (Meinig, 2000: 104), Niger, Nigeria, Senegal, Sierra Leone, South Sudan, Sudan, The Gambia, Togo.

SEXUAL DIMORPHISM:
Dobson (1873: 247) quotes Tomes' description of the male as: "The conspicuous shoulder-tufts of *E. macrocephalus* are here very fully developed. They consist of a very slight warty excrescence clothed with fur, which differs from that which surrounds it only in being of a dirty white colour."

MOLECULAR BIOLOGY:
Riesle-Sbarbaro *et al.* (2016: 447) reported on the complete mitochondrial genome of this species, which consists of 16,702 bases

HABITAT:
This species is present in a variety of tropical moist and dry forest, savanna, bushland and mosaic habitats, and has additionally been reported from mangroves and swamp forests (Mickleburgh *et al.*, 2008f). It is able to persist in areas of partially degraded forest.

HABITS:
Anonymus (2002a: 103) mentions that in some areas of Benin, *E. gambianus* might be causing large trees to die, as they swarm in large numbers on a restricted surface.

ROOST:
Roosting usually takes place as individuals or small groups in dense vegetation (Happold, 1987). *E. gambianus* forms roosting colonies in crowns of trees, containing a few to 50 - 100 individuals

(Kunz, 1996: 44). Ayensu (1974: 716) indicates that in Ghana, *Azadirachta indica* or the Neem tree is a favorite roosting haven.

MIGRATION:
Isotopic data collected by Omatsu *et al.* (2008: 21 - 22) suggest that *E. gambianus* has an East-West migratory behaviour inside its distribution range, which is even more pronounced than the migration displayed by *Eidolon helvum*. Six specimens that were captured in February in Mali were most probably originating from some 3,000 km to the east.

DIET:
Ayensu (1974) reports that in West Africa, *E. gambianus* visits *Parkia clappertonia* (Dawadawa), *Ceiba pentandra* (Silk-Cotton tree or Kapop tree), *Mangifera indica* (Mango tree), *Anacardium occidentale* (Cashew tree), *Psidium guajava* (Guava tree), *Carica papaya* (Papaya or pawpaw), and *Azadirachta indica* (Neem tree) when foraging. Bachirou *et al.* (2011: 2) indicate that *E. gambianus* is the most important seed disperser for the Neem tree in Cameroon.

Kangoyé *et al.* (2010: 291) show a picture of *E. gambianus* pollinating *Ceiba pentandra* flowers, and also indicate that this species was found transporting Shea fruits (*Vitellaria paradoxa*) or figs (*Ficus* sp.), whereas others were found in cashew fields (*Anacardium occidentale*).

Seltzer *et al.* (2013: table S2) provide an overview of the plant species found beneath bat feeding roosts. For *E. gambianus* these include *Rauvolfia caffra* Sond. (Quinine Tree - Apocynaceae) and *Psidium guajava* L. (Apple guava - Myrtaceae).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator, as well as the Pied crow (*Corvus albus* Statius Muller, 1776). Ayivor *et al.* (2017: 6) indicate that the latter targets young, just weaned *E. gambianus*.

POPULATION:
Structure and Density - Animals are often found in loose colonies of up to 100 bats (Mickleburgh *et al.*, 2008f).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008f; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 7.8 years.

REPRODUCTION AND ONTOGENY:
Szekely *et al.* (2015: Suppl.) report that the gestation period lasts for 150 days, and that the young's weight at birth is 10 g (the adult weights 80 g).

MATING:
Nesi *et al.* (2011: 552) indicate that the male's courting call has a frequency of 1750 Hz.

PARASITES:
BACTERIA
Höhne *et al.* (1975: 505) found *Listeria monocytogenes* bacteria in one out of two *E. gambianus* specimens from Lomé, Togo.

HAEMOSPORIDA
Schaer *et al.* (2013a: 17416) report the presence of hemosporidian parasites of the genus *Hepatocystis* in one investigated bat. Miltgen *et al.* (1977: 595) pointed out that the first reports of gametocytes from this parasite were made by the Léger(s) from Niger in 1914.

VIRUSES:
Willoughby *et al.* (2017: Suppl.) report the following viruses: Lagos bat lyssavirus, Nipah henipavirus, Reston ebolavirus, Zaire ebolavirus.

Filoviridae - Filoviruses
Ebolavirus
Hayman *et al.* (2012d: 1208) examined 37 bats from the Greater Accra region, Ghana, and found 14 to be positive for EBOV antibodies.

Paramyxoviridae
Paramyxoviruses
Hayman *et al.* (2008a: 926; 2008b: 2) detected antibodies to Nipah virus in one bat collected in Ghana in 2007.
Drexler *et al.* (2012a: Suppl. Table S1) found three bats out of 54 (5.4 %) testing positive for *Henipavirus* in the Democratic Republic of the Congo and Ghana.

Rhabdoviridae
Lyssavirus - Rabies related viruses
2006 in Nigeria, Dzikwi *et al.* (2010: 269) tested 12 brains by direct fluorescent antibody (DFA) and mouse inoculation test (MIT) which tested negative for lyssavirus antigens.
Lagos bat virus (LBV): Hayman *et al.* (2008a) detected antibodies in Ghana. In 2006, 12 individuals from Nigeria were serum tested by a modified rapid fluorescent focus inhibition test (RFFIT), where 3 tested positive (25%) for neutralizing anitibodies (Dzikwi *et al.*, 2010: 269).
Mokola virus (MOKV): In 2006, 12 individuals from Nigeria were serum tested by a modified rapid fluorescent focus inhibition test (RFFIT), none tested positive for neutralizing anitibodies (Dzikwi *et al.*, 2010: 269).

In their overview table, Maganga *et al.* (2014a: 8) reported that the following viruses were already found in *E. gambianus*: Lagos bat virus (LBV), Nipah virus (NPHV), Zaire Ebola virus (ZEBOV), Reston Ebola virus.

UTILISATION:
In some localities in Benin, specimens of this species are eated, but always in small numbers (Anonymus, 2002a: 102). Dougnon *et al.* (2012: 85) reported that the carcasses have an average weight of 40.52 ± 5.08 g (about 43 % of the body mass). They also evaluated the qualty of the meat (for 100 g): total mineral matter: 14.1 g, lipids: 13.36 g, protein: 58.4 g, Calcium: 44 mg, Sodium: 48 mg, Phosphore: 80 mg and Potassium: 88 mg.

Bobo and Ntumwel (2010: 232) reported [as *E. anurus*] that in Cameroon in the Korup the whole animal is used for medicinal use, which renders women fertile when consumed.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Niger, Nigeria, Senegal, Sierra Leone, South Sudan, Sudan, Tanzania, The Gambia, Togo, Zambia, Zimbabwe.

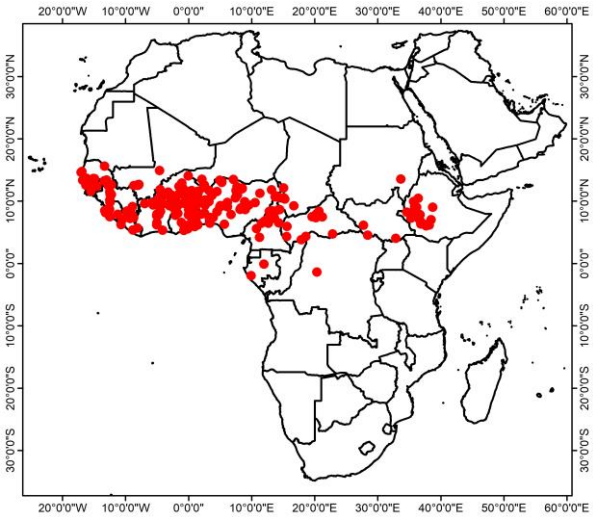

Figure 22. Distribution of *Epomophorus gambianus*

Epomophorus gambianus gambianus (Ogilby, 1835)

*1835. *Pteropus Gambianus* Ogilby, Proc. zool. Soc. Lond., 1835, III (xxxi): 100. Publication date: 9 October 1835. Type locality: The Gambia: Banjul [Goto Description]. Holotype: BMNH 1907.1.1.233: ad ♀, skin and skull. Collected by: Dr. Percy Rendall. Formerly in Tomes collection. Paratype: BMNH 1874.a-c: 2 sad FF, 1 imm F, skin and skull. Collected by Liet. Rendall. Paratype: BMNH 1874.a = 124b: imm ♀. Paratype: BMNH 1874.b = 124c: ad ♀. Collected by: Dr. Percy Rendall. Paratype: BMNH 1874.c = 124d: imm ♀. Paratype: BMNH 1907.1.1.231: sad ♀, skin and skull. Collected by: Dr. Percy Rendall. Formerly in Tomes collection. - Comments: Type locality restricted by Kock *et al.* (2002: 80). - Etymology: Named as the species was described from a specimen from Gambia in West Africa (see Taylor, 2005).

1835. *Pteropus macrocephalus* Ogilby, Proc. zool. Soc. Lond., 1835, III (xxxi): 101. Publication date: 9 October 1835. Type locality: The Gambia: "Gambia" [Goto Description]. - Comments: collected by Rendall.

1835. *Pteropus megacephalus* Swainson, Natural History and Classification of Quadrupeds, 91, 92, 356, figs 31, 154. Type locality: The Gambia. - Comments: Type locality originally as West Africa, but Andersen (1912b: 539) mentions "Gambia" as type locality.

1836. *Pteropus epomophorus* Bennett, Proc. zool. Soc. Lond., 1835, III (xxxiv): 149. Publication date: 12 February 1836. Type locality: The Gambia: "Gambia". Holotype: BMNH 1907.1.1.232: ad ♂, skin only. Collected by: Dr. Percy Rendall. (Type for both *epomophorus* and *whitei*). Ex Tomes collection: see Andersen (1912b: 542). Holotype: NRM [unknown]: ad ♀, alcoholic (skull not removed). Collected by: Bror Yngve Sjöstedt; collection date: 4 May 1905. Kilimandjaro-Meru Expedition. See Lönnberg (1908b: 7) and Andersen (1912b: 810).

1836. *Pteropus Whitei* Bennett, Trans. Linn. Soc. Lond., 2 (1): 37, pl. 6, pl. 7. Publication date: 2 October 1836. Type locality: The Gambia: "Gambia" [Goto Description]. Holotype: BMNH 1907.1.1.232: ad ♂, skin only. Collected by: Dr. Percy Rendall. (Type for both *epomophorus* and *whitei*). Ex Tomes collection: see Andersen (1912b: 542).

1838. *Epomophorus whitii:* Gray, Mag. Zool. Bot., Edinburgh, 2 (12): 504. Publication date: 1 February 1838. - Comments: Also incorrect subsequent spelling, see Boulay and Robbins (1989: 1). (Name Combination)

1898. *Epomophorus guineensis* Bocage, J. Sci. mat. phys. nat., ser. 2, 5 (19): 136, fig. 3.

Publication date: June 1898. Type locality: Guinea-Bissau: Bolama [11 35 N 15 30 W] [Goto Description]. - Comments: Andersen (1912b: 541) mentions the type specimen as being a mounted ad ?, skull extracted, coll. Sr. Damasceno da Costa, and in the Lisbon Museum.

1899. *Ep[omophorus (Epomophorus)] zechi* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 46, pl 10, fig. 3 a-c. Type locality: Benin: Togoland: Kunjuruma [Goto Description]. Lectotype: ZMB 10170/17171: ad ♂, skin and skull. Collected by: Baumann; collection date: 1894. Lectotype designated by Andersen (1912b: 541); see Turni and Kock (2008) [skin: ZMB 10170 - skull: ZMB 17171]. Paralectotype: ZMB 10009: ad ♂, skin and skull. Collected by: Baumann; collection date: 1894. Kunjuruma. Paralectotype: ZMB 10011: juv ♂, skull only. Collected by: Bloess. Gross-Popo. Paralectotype: ZMB 10065: ad ♀, skull and alcoholic. Collected by: Anton Reichenow. Accra, Ghana. Paralectotype: ZMB 3413: ad ♂, skull and alcoholic. Lagos, Nigeria, acquired from Salmin. Paralectotype: ZMB 356: ad ♂, skin and skull. Collection date: 1855. West Africa acquired from Salmin. Paralectotype: ZMB 3654: ad ♂, skull and alcoholic. Collected by: Unger. Accra, Ghana. Paralectotype: ZMB 4784: ad ♂, skull and alcoholic. Collected by: Anton Reichenow. Accra, Ghana. - Comments: Kunjuruma is the location from lectotype: see Allen (1939a: 56). Boulay and Robbins (1989: 1) mention "Accra, Goldkuste [=Ghana], Gross-Popo, Misahoho in Togoland, Lagos [Nigeria], restricted to Kunjuruma, Togoland [=Benin] by Andersen (1912b)". Turni and Kock (2008: 10) mention "Matschie (1899b: 46) gave the locality of the specimens collected by Baumann as 'Misahöhe, Togoland' (= Missahoe, Togo); however, according to the entry book the locality is Kunjuruma." Preface by Matschie is dated 14 May 1899.

1950. *Epomophorus reii* Aellen, Rev. suisse Zool., 57 (3): 559. Type locality: Cameroon: Rei Bouba [ca. 08 37 N 14 09 E] [Goto Description]. Holotype: MHNC 32-8-970: ad ♀. Collected by: MSS Cameroun; collection date: 13 September 1947. Paratype: MHNC 32-8-969: imm ♀. Collected by: MSS Cameroun; collection date: 13 September 1947. - Comments: in part?.

? *Epomophorus anurus:* - Comments: Not of Heuglin, 1864.

? *Epomophorus gambianus gambianus:* (Name Combination, Current Combination)

? *Epomophorus sp.:*

TAXONOMY:
Simmons (2005:322) does not include *crypturus*.

GENERAL DISTRIBUTION:
This subspecies ranges from Senegal in the west, through much of West Africa and parts of Central Africa. It is typically a lowland species occurring below 500 m asl.

Native: Benin; Burkina Faso; Cameroon; Central African Republic; Chad; Congo (The Democratic Republic of the); Côte d'Ivoire; Gambia; Ghana; Guinea; Guinea-Bissau (Bocage, 1889a:2; Seabra, 1898b; Monard, 1939; Veiga-Ferreira, 1948; Bergmans, 1988; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 22); Liberia; Mali; Nigeria; Senegal; Sierra Leone; Togo.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Burkina Faso, Cameroon, Chad, Côte d'Ivoire, Ethiopia, Ghana, Guinea, Liberia, Mali, Niger, Nigeria, Senegal, Sierra Leone, Tanzania, The Gambia, Zimbabwe.

Epomophorus gambianus pousarguesi Trouessart, 1904

*1904. *Epomophorus pousarguesi* Trouessart, Catalogus Mammalium tam viventium quam fossilium, supplement, 55. Type locality: Central African Republic: Grande Brousse between Yabanda and Mpoko. Holotype: MNHN ZM-MO-1892-1020: Collected by: Jean Dybowski; collection date: 1-11 December 1891. Bergmans (1978a: 682, 683) mentions two different numbers for this specimen. In the table on pag 682, he mentions 1899-1020 and on page 683 he mentions 1892-1020. - Comments: Boulay and Robbins (1989: 1) mention "Africa Occ.-Centrali, a fl. Chari (Inter Yabanda et Mpoko), reg. Lac. Chad. Central African Republic as type locality; restricted to 'along the track between Mpoko (near Makorou) and Yabanda' by Bergmans (1978b)". The type locality is sometimes given as "Eastern Congo, Shari region". Description based on *E. macrocephalus* Pousargues (not Ogilby) see Allen (1939a: 56).

? *Epomophorus gambianus pousarguesi:* (Name Combination, Current Combination)
? *Epomophorus gambianus:* - Comments: Not of Ogilby, 1835.

TAXONOMY:
Recognized as a subspecies (Simmons, 2005: 322).

GENERAL DISTRIBUTION:
In Ethiopia populations may be found up to 2,000 m asl.

Native: Ethiopia, South Sudan, Sudan.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Central African Republic.

Epomophorus grandis (Sanborn, 1950)

*1950. *Micropteropus grandis* Sanborn, Publ. Cult. Comp. Diamantes Angola, Lisboa, 10: 55, figs 2 - 3. Publication date: 29 November 1950. Type locality: Angola: Lunda: Dundo [07 22 S 20 50 E]. Holotype: FMNH 66433: ad ♀, skull and alcoholic. Collected by: A. de Barros Machados; collection date: September 1948; original number: 2015.
1988. *Epomophorus grandis:* Bergmans, Beaufortia, 38 (5): ???. (Name Combination, Current Combination)

TAXONOMY:
Transferred from *Micropteropus* to *Epomophorus* by Bergmans (1988). See Simmons (2005: 322).

COMMON NAMES:
Czech: kaloň Sanbornův. English: Sanborn's Epauletted Fruit-bat, Lesser Angolan Epauletted Fruit Bat. French: Epomophore de Sanborn, Petit Epomophore frugivore d'Angola. German: Sanborns Epaulettenflughund.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence, ecological requirements, threats and conservation status (Mickleburgh *et al.*, 2008h; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2008h; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2004e; IUCN, 2004). 2000 - DD (Hilton-Taylor, 2000). 1996 - EN (Baillie and Groombridge, 1996). 1994 - Rare (Groombridge, 1994).

MAJOR THREATS:
The threats to this species are not known. There is deforestation taking place in parts of the species range. However, it is not known how adaptable this species is to habitat modification (Mickleburgh *et al.*, 2008h; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008h) [in IUCN (2009)] report that it is not known if the species is present in any protected areas, and the area where it occurs has been inaccessible for many years, further studies are needed into the distribution, natural history and possible threats to this species.

GENERAL DISTRIBUTION:
Epomophorus grandis is a poorly known as it has only been recorded at the type locality of Dundo in northeast Angola (Sanborn, 1950), and from Pointe Noire on the coast of Congo (Bergmans, 1988).

Native: Angola (Bergmans, 1988; Sanborn, 1950; Monadjem *et al.*, 2010d: 552); Congo (Bergmans, 1988; Monadjem *et al.*, 2010d: 552; Bates *et al.*, 2013: 333).

HABITAT:
Although the natural history of this species is poorly known, it seems to be primarily a savanna species that may range into tropical moist forest (Mickleburgh *et al.*, 2008h; IUCN, 2009).

POPULATION:
Structure and Density - It is only known from a few specimens (Mickleburgh *et al.*, 2008h; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008h; IUCN, 2009).

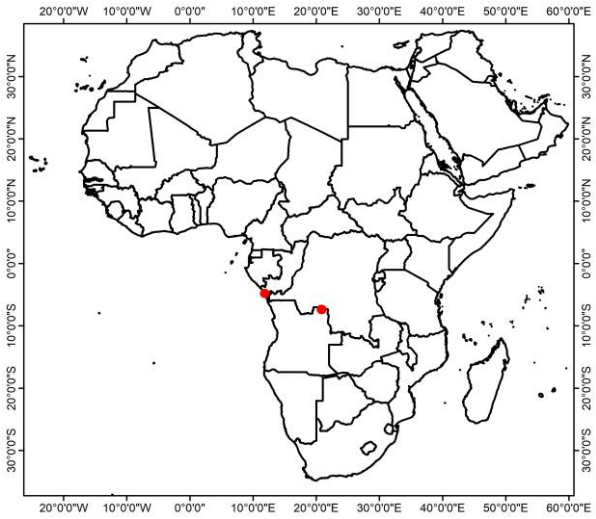

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Angola, Congo.

Figure 23. Distribution of *Epomophorus grandis*

Epomophorus labiatus (Temminck, 1837)

*1837. *Pteropus labiatus* Temminck, Monogr. Mamm, 2: 83, pl. 39, figs 1 - 3. Type locality: Sudan: Blue Nile province: Sennaar [15 35 N 33 38 E, 425 m] [Goto Description]. Lectotype: RMNH MAM.27342: juv ♀. Collected by: Dr. Paolo Emilio Botta. See Kock (1969a: 18). - Comments: Type locality originally given as "Abyssinia"; see Horácek *et al.* (2000: 96). Andersen (1912b: 530) mentions that Temminck (1835) had two specimens, one obtained in London without any indication about the country of origin, and a second from Paris, originating from the collections of M. Botta, the latter is the only one presently in the RMNH. - Etymology: From the Latin "*labiatus*" for lipped.

1842. *Pteropus Schoënsis* Rüppell, Mus. Senckenberg., 3 (2): 131. Type locality: Ethiopia: Shoa province: Shoa province [ca. 09 00 N 39 00 E] [Goto Description]. Holotype: SMF 4370: juv ♂, skin and skull. Collected by: Wilhem Peter Edward Simon Rüppell; collection date: 1841. Old catalog II.A.13a; see Kock (1969a: 18); Mertens (1925: 20) mentions it as a juv ♀. - Comments: Andersen (1912b: 531) already mentioned that the mounted specimen is of doubtfull sex.

1860. *Epomophorus labiatus:* Tomes, Proc. zool. Soc. Lond., 28: 55 - 56. (Name Combination, Current Combination)

1864. *Epomophorus anurus* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 31 (7): 12. Type locality: Sudan: Bahr-el-Ghazal province: Bongo [07 15 N 28 42 E]. Syntype: SMNS 1090: imm ♂, mounted skin and skull. Collected by: Martin Theodor von Heuglin; collection date: 1855. Dieterlen *et al.* (2013: 293) indicate that this specimen was collected in “Bellegas-Tal” [= Belegaz/Belghe], Abyssinia. Syntype: SMNS 1091: ad ♀, mounted skin and skull. Collected by: Martin Theodor von Heuglin; collection date: 1863/1864. Dieterlen *et al.* (2013: 293) indicate that this animal was collected in Bongo [= country of Bongo, southern part of the province of Bahr-el-Ghazal in the south of Sudan]. Syntype: SMNS 609/661: ad ♂, mounted skin and skull. Dieterlen *et al.* (2013: 293) mention the skull bears number 609, and that the mounted specimen has 661 as additional number. - Comments: Thorn *et al.* (2009: 20) mention 06 40 N 29 40 E. Type locality originally given as "Gebied zw. Wau am Djur River und dem Getti River im Westen", see Kock (1969a: 18). Two syntypes: SMNS 1090 (♂, imm) and SMNS 1091 (♀, ad).

1877. *Pteropus (Epomophorus) anurus:* Heuglin, Reise in Nordost Afrika, 2: 16 - 17. (Name Combination)

1877. *Pteropus (Epomophorus) labiatus:* Heuglin, Reise in Nordost Afrika, 2: 15 - 16. (Name Combination)

1877. *Pteropus (Epomophorus) schovanus:* Heuglin, Reise in Nordost Afrika, 2: 18. - Comments: Emendation of *schoënsis* (see Andersen, 1912b: 530; Allen, 1939a: 56; Kock, 1969a: 18). (Emendation)

1899. *Ep[omophorus (Epomophorus)] doriae* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 54. Type locality: Eritrea: Bogos country [=Keren region] [ca. 15 45 N 38 20 E] [Goto

Description]. Holotype: ZMB 10079: Collected by: Gerrard. Holotype: ZMB 5384/10079: ad ♀, skin and skull. Vendor Gerrard; see Kock (1969a: 18), and Turni and Kock (2008: 8) [skin: ZMB 5384 + skull: ZMB 10079].

1936. *Epomophorus labiatus minor:* G.M. Allen and Lawrence, Bull. Mus. comp. Zool., 79 (3): 45. - Comments: (Locality suggestive of *labiatus* rather than *Epomophorus minor* Dobson, 1880). (Name Combination)

1950. *Epomophorus reii* Aellen, Rev. suisse Zool., 57 (3): 559. Type locality: Cameroon: Rei Bouba [ca. 08 37 N 14 09 E] [Goto Description]. Holotype: MHNC 32-8-970: ad ♀. Collected by: MSS Cameroun; collection date: 13 September 1947. Paratype: MHNC 32-8-969: imm ♀. Collected by: MSS Cameroun; collection date: 13 September 1947. - Comments: in part?.

1960. *Epomophorus labiatus anurus:* Harrison, J. East Afr. Nat. Hist. Soc., 23 (7) (104): 287. Publication date: December 1960. (Name Combination)

1966. *Epomophorus crypturus:* Hayman, Misonne and Verheyen, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., (8) 154: 23. - Comments: (in part: specimen IRSN 10677 from "Kilwezi"- label reads Kilubwezi). Not of Peters, 1852.

1971. *Epomophorus sp.* Hill and Morris, 29.

1974. *Epomophorus labiatus labiatus:* Largen, Kock and Yalden, Mon. Zool. ital., (N.S.) 16 (Suppl. 5): 221, 226. (Name Combination)

1978. *Epomophevus anupus:* Arata and Johnson, in: Pattijn, Ebola Virus Haemorrhagic Fever, 135. (Lapsus)

1988. *Epomophorus gambianus gambianus:* Bergmans, Beaufortia, 38 (5): 84.

1996. *Epomophorus anarus:* Kityo and Kerbis, J. East Afr. Nat. Hist., 85: 58. (Lapsus)

? *Epomophorus cf. labiatus:*

TAXONOMY:
Includes *anurus* and *minor*; see Claessen and De Vree (1991), but see also Bergmans (1988) and Simmons (2005: 322 - 323). Middle Eastern forms reviewed by Horácek *et al.* (2000).

COMMON NAMES:
Azande (DRC): Ndima. Czech: kaloň sudánský. English: Little Epauletted Fruit-bat, Ethiopian Epauletted Fruit-bat, Ethiopian Epauletted Fruit Bat. French: Petit épomophore, Epomophore d'Ethiopie, Roussette labiée, Roussette labiaire. German: Temmincks Epaulettenflughund. Italian: Epomòforo labiàto. Kinande (DRC): Apopo.

CONSERVATION STATUS:
Global - Listed as Least Concern in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008l; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [includes *E. minor* (Mickleburgh *et al.*, 2008l; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004d; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species as a whole. Some populations may be threatened by overharvesting for subsistence food (Mickleburgh *et al.*, 2008l; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008l) [in IUCN (2009)] report that this species has been recorded from many protected areas. No direct conservation measures are currently needed for the species as a whole. Additional research is needed into the impact of possible overharvesting of animals on some populations.

GENERAL DISTRIBUTION:
Epomophorus labiatus is largely distributed in Central Africa and East Africa. It appears to range from northern Nigeria and Cameroon, into Chad, southern and central Sudan, Ethiopia and Eritrea, and from here south into eastern Democratic Republic of the Congo, Uganda, Rwanda and Burundi, Kenya and Tanzania (including the islands of Unguja [=Zanzibar] and Mafia [see O'Brien, 2011: 285]), being recorded as far south as Malawi, northern Mozambique and northern Zambia. There is one isolated record from coastal Congo, although the presence of the species in this country, and also in Chad and Nigeria, needs to be confirmed. It has been recorded from lowland sites up to elevations of over 2,000 m asl (2,200 asl at Gondar, Ethiopia) (Mickleburgh *et al.*, 2008l; IUCN, 2009).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 436,697 km^2.

Senegal records are probably erroneous (see Bergmans, 1988), although Capo-Chichi *et al.* (2004: 161) do refer to these records.

Native: Burundi; Cameroon; Congo (Bates *et al.*, 2013: 333); Congo (The Democratic Republic of the) (Bergmans, 1988; Monadjem *et al.*, 2010d: 552); Djibouti (Pearch *et al.*, 2001: 392); Eritrea (Yalden *et al.*, 1996); Ethiopia (Yalden *et al.*, 1996); Kenya (Aggundey and Schlitter, 1984; Malawi (Ansell, 1986; Bergmans, 1988; Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 552); Mozambique (Monadjem *et al.*, 2010d: 552; Monadjem *et al.*, 2010c: 376); Rwanda (Baeten *et al.*, 1984); Saudi Arabia (Gaucher, 1992); Sudan (Koopman, 1975; Tanzania; Uganda (Kityo and Kerbis, 1996: 59); Yemen (Benda *et al.*, 2011b: 28); Zambia (Ansell, 1973; Bergmans, 1988; Monadjem *et al.*, 2010d: 552).
Presence uncertain: Chad; Congo; Nigeria.

SEXUAL DIMORPHISM:
Dobson (1873: 247) already indicated that Temminck noticed the absence of shoulder-tufts in the female.

MOLECULAR BIOLOGY:
Karyotype - Đulic and Mutere (1973b) recorded the diploid number as 2*n* = 36.

HABITAT:
This species is regularly recorded from woodland (including miombo woodland), savanna, bushland, arid or semi-desert grassland habitats and mosaics of these general habitat types. In East African coastal areas it has been recorded from mangroves (Mickleburgh *et al.*, 2008l).

HABITS:
It has been found resting together in small groups of about a dozen animals (Mickleburgh *et al.*, 2008l).

DIET:
Seltzer *et al.* (2013: table S2) provide an overview of the plant species found beneath bat feeding roosts. For *E. labiatus* this included *Ficus natalensis* Hochst (Natal Fig - Moraceae).

POPULATION:
Structure and Density - This is a common species (Mickleburgh *et al.*, 2008l; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008l; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Bergmans (1979a), Kingdon (1974), and Kulzer (1958) [in Krutzsch (2000: 110)] indicate that the male reproductive cycle of *E. labiatus* [as *E. anurus*] is apparently in synchrony with the one from the females as there occurs a biseasonal testicular hypertrophy in West Africa.

PARASITES:
Nycteribiidae: *Tripselia blainvillii* (Leach 1817) single record (Haeselbarth *et al.*, 1966: 113, host referred to as *E. anurus*).

Teinocoptidae: *Teinocoptes epomophori* Rodhain, 1923 was reported by Fain (1967: 367) from an *E. anurus* from Astrida (=Butare), Rwanda and from an *E. labiatus minor* from Bukavu, DRC.

VIRUSES:
Willoughby *et al.* (2017: Suppl.) report the following viruses: Entebbe bat virus and Shamonda orthobunyavirus.

Coronaviridae
28.6 % (10 out of 35) of the Kenyan *E. labiatus* tested positive for CoV in the study by Tao *et al.* (2017).

Flaviviridae
Pegivirus (BPgv) - 1 out of 3 bats from Kenya examined by Quan *et al.* (2013: Table S5) were infected by clade k type *Pegivirus*.

Drexler *et al.* (2012a: Suppl. Table S1) indicated that the single specimen they examined from the Democratic Republic of the Congo did not test positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

UTILISATION:
Bobo and Ntumwel (2010: 232) report that, in the Korup area of Cameroon, "*E. anurus*" is being sold as a medicine on markets, since consuming it would render women fertile.

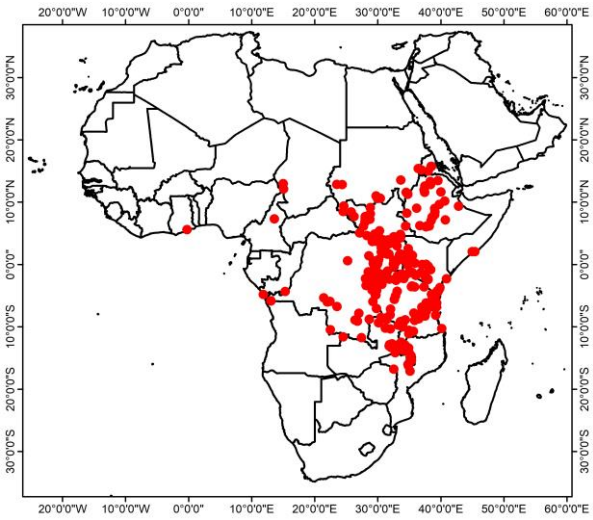

Figure 24. Distribution of *Epomophorus labiatus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Burundi, Cameroon, Chad, Congo, Congo

(Democratic Republic of the), Djibouti, Eritrea, Ethiopia, Ghana, Kenya, Malawi, Mozambique, Rwanda, Somalia, South Africa, South Sudan, Sudan, Tanzania, Uganda, Zambia, Zimbabwe

Epomophorus minimus Claessen & De Vree, 1991

1837. *Pteropus labiatus:* Temminck, Mon. Mammal., 2: 83 - 84. - Comments: Partim. One of the type specimens, an adult ♂, which later disappeared (Claessen and De Vree, 1991: 216). - Etymology: From the scientific Latin male adjective *labiàtus* meaning "lipped", referring to the expansible lower lip (see Lanza *et al.*, 2015: 36).
1861. *Epomophorus labiatus:* Tomes, Proc. zool. Soc. Lond., 29: 11. - Comments: Partim.
1899. *Ep[omophorus (Epomophorus)] schoensis:* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 44, 53. - Comments: Partim. Not of Rüppell, 1842.
1930. *Epomophorus minor:* Zammarano, Le colonie Italiane, 146. - Comments: Not of Dobson, 1880.
1939. *Epomophorus labiatus minor:* G.M. Allen, Bull. Mus. comp. Zool., 83: 56. - Comments: Partim. Not of Dobson, 1880.
1971. *Epomophorus labiatus labiatus:* Hayman and Hill, Mammals of Africa: Chiroptera, 6 - 7. - Comments: Partim.
1984. *Epomophorus labiatus anurus:* Aggundey and Schlitter, Ann. Carnegie Mus., 53 (5): 124. - Comments: Animals from Katilo. Not of Heuglin, 1864.
*1991. *Epomophorus minimus* Claessen and De Vree, Senckenb. biol., 71: 216. Type locality: Ethiopia: Harar province: Shewa: Bahadu [10 05 N 40 37 E, 600 m]. Holotype: SMF 44238: ad ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 - 7 May 1971; original number: 16194. Full grown female with well developed nipples (see Claessen and De Vree (1991: 216). Paratype: SMF 44232: ad ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 - 7 May 1971. Paratype: SMF 44233: sad ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 May 1971. Paratype: SMF 44234: juv ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 May 1971. Paratype: SMF 44235: juv ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 May 1971. Paratype: SMF 44236: ad ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 - 7 May 1971. Paratype: SMF 44237: ad ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 - 7 May 1971. Paratype: SMF 44239: ad ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 - 7 May 1971. Paratype: SMF 44240: ad ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 - 7 May 1971. Paratype: SMF 44242: sad ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 - 7 May 2015. Paratype: SMF 44243: juv ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 5 May 1971. Paratype: SMF 44245: ad ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 - 7 May 1971. Paratype: SMF 44246: sad ♂, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 May 1971. Paratype: SMF 44247: ad ♂, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 - 7 May 1971. Paratype: SMF 44248: sad ♂, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 May 1971. Paratype: SMF 44250: juv ♂, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 May 1971. Paratype: SMF 44252: ad ♂, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 - 7 May 1971. Paratype: SMF 44253: juv ♂, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 May 1971. Paratype: SMF 44325: juv ♀, skull and alcoholic. Collected by: M.J. Largen; collection date: 3 May 1971. - Etymology: From the Latin superlative masculine adjective *mìnimus* meaning "least, smallest" referring to the relatively small size of the species (see Lanza *et al.*, 2015: 41). (Current Combination)

TAXONOMY:
Included in *E. minor* by Bergmans (1988). Recognized as a full species by Claessen and De Vree (1991); Simmons (2005: 323).

COMMON NAMES:
Czech: kaloň habešský. English: Least Epauletted Fruit-bat, East African Epauletted Fruit-bat, East African Epauletted Fruit Bat. French: Petit Epomophore, Epomophore nain. German: Winziger Epaulettenflughund. Italian: Epomòforo mìnimo.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008j; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008j; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004j; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species. It is locally threatened in parts of its range by deforestation of its habitat for timber and firewood (Mickleburgh *et al.*, 2008j; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008j) [in IUCN (2009)] report that *E. minimus* is not known if the species is present in any protected areas and further studies are needed into the distribution, natural history and possible threats to this species.

GENERAL DISTRIBUTION:
Epomophorus minimus is an East African species which is present in Uganda, northern Tanzania, Kenya, Ethiopia and Somalia.

Native: Ethiopia (Yalden *et al.*, 1996); Kenya (Aggundey and Schlitter, 1984; Somalia (Funaioli and Simonetta, 1966); Tanzania; Uganda (Kityo and Kerbis, 1996: 58).

HABITAT:
Recorded from dry and arid savanna habitats.

DIET:
It is possible that this species has a specialised diet to persist in its arid habitat (Mickleburgh *et al.*, 2008j).

POPULATION:
Structure and Density - It can be a common species (Mickleburgh *et al.*, 2008j; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008j; IUCN, 2009)

VIRUSES:
Drexler *et al.* (2012a: Suppl. Table S1) indicated that three out of six specimens they tested from the Democratic Republic of the Congo were positive for *Rubulavirus*.

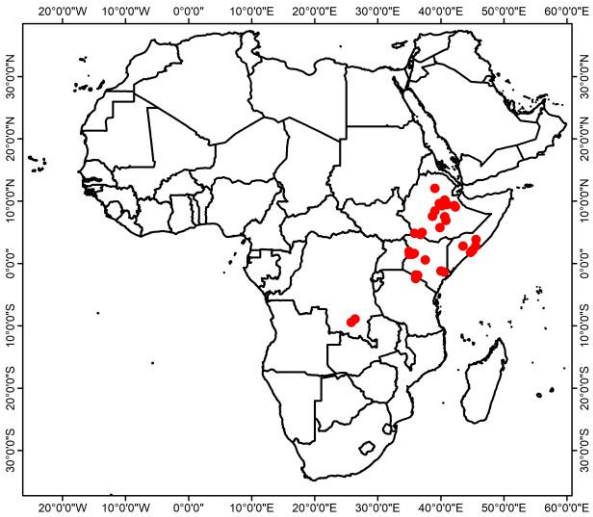

Figure 25. Distribution of *Epomophorus minimus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Ethiopia, Kenya, Somalia, Tanzania, Uganda.

Epomophorus minor Dobson, 1880

*1880. *Epomophorus minor* Dobson, Proc. zool. Soc. Lond., 1879, IV: 715. Publication date: April 1880. Type locality: Tanzania: Zanzibar [ca. 06 10 S 39 12 E]. Holotype: BMNH 1879.9.12.4: juv ♂, skull and alcoholic. Exchanged from Surgon-General G.E. Dobson see Turni and Kock (2008). Paratype: ZMB 5550: ad ♀, skull and alcoholic. Presented/Donated by: George Edward Dobson. See Turni and Kock (2008: 8). - Comments: Andersen (1912b: 532) furthermore mentions that paratypes were distributed by Dobson to various museums. Considered a valid species by Kock (1969a: 18 - 24), Koopman (1975: 363) and Ansell and Dowsett (1988: 27), but see Claessen and De Vree (1991). - Etymology: From the Latin "*minor*" (= smaller). (Current Combination)
1896. *Epomophorus pusillus:* Pousargues, Ann. Sci. Nat., (8) 3: 255.
? *Epomophorus anurus:* - Comments: Not of Heuglin, 1864.
? *Epomophorus labiatus anurus* - Comments: Not of Heuglin, 1864.
? *Epomophorus labiatus minor:* (Name Combination)
? *Epomophorus labiatus:* (Name Combination)
? *Epomophorus minor minor:* (Name Combination)

TAXONOMY:
Recognized as a full species by Simmons (2005: 323).

COMMON NAMES:
Czech: kaloň zanzibarský, kaloň menší. English: Minor Epauletted Fruit Bat. Yao: Lichinji (applied to all large bats).

CONSERVATION STATUS:
Global - Unknown.

GENERAL DISTRIBUTION:
Ethiopia, Somalia, Sudan, Kenya, Rwanda, SE Dem. Rep. Congo, Zambia, Tanzania, Zanzibar, Uganda, Malawi (Simmons, 2005: 323).

PARASITES:
Hirst (1923: 980) described a new mite species (*Ancystropus æthiopicus*) from an *E. minor* specimen from Zanzibar.

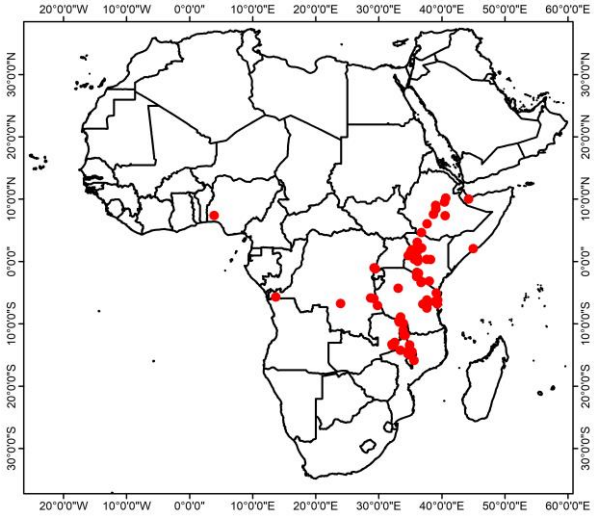

Figure 26. Distribution of *Epomophorus minor*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Ethiopia, Kenya, Malawi, Mozambique, Nigeria, Somalia, Sudan, Tanzania, Zambia.

Epomophorus wahlbergi (Sundevall, 1846)

1846. *Pteropus Haldemani* Hallowell, Proc. Acad. nat. Sci. Philad., 3 (3): 52. Publication date: prior to July 1846. Type locality: Liberia [Goto Description]. - Comments: Holotype; ad ♀, SA, in the collection of the Academy of Natural Sciences of Philadelphia, see Andersen (1912b: 524), who further mentions "'W. Africa,' obtained from 'Dr. Goheen, Physician to the American Colonization Society' (from this it might be supposed that the specimen came from Liberia; there can be little doubt, however, that it was obtained elsewhere in W. Africa; no form of *Epomophorus* with the palate-ridges of the *walhbergi* type is known to inhabit the Guinea coast west of the Cameroons)." Allen (1939a: 56) suggests that the specimen might possible have come from Liberia. Considered a valid species by Schutt and Simmons (1998: 27).

*1846. *Pteropus Wahlbergi* Sundevall, Öfvers. kongl. Sv. Vet.-Akad. Förhandl., 3 (4): 118. Type locality: South Africa: KwaZulu-Natal: Port Natal [=Durban], near [29 52 S 31 00 E] [Goto Description]. - Comments: Type locality originally: "Prope Port-Natal et in Caffraria interiore occisus" see Acharya (1992: 1). As to the publication date, Andersen (1912b: 526, footnote) mentions "Sundevall's paper was read before the Stockholm Academy on May 13th, 1846, and presumably published in the latter half of May or in June (the 'Öfversigt' appears to have been issued regularly for every month in which the Academy held a meeting). Hallowell's description of *Pt. haldemani* was passed by the Publication Committee on May 26th, 1846, and printed in the May-June issue of the Proceedings of the Philadelphia Academy, which cannot have come out before, in the earliest, in July, since it contains a report of a meeting held on June 30th. The balance of evidence would seem, therefore, to be in favour of the date priority of *Pt. wahlbergi*". Andersen (1912b: 527) also mentions "Type (by selection) in the Riksmuseum, Stockholm, a well-preserved mounted adult male, skull separate (nearly perfect), Tugela River, Natal, 27 Nov. 1843, J. Wahlberg coll., Reg. No. 1040.". - Etymology: Named after Johan August Wahlberg (1810 - 1856), explorer, hunter and outstanding collector of zoological material in Southern Africa. He was killed in 1856 by a wounded elephant near Savuti in northern Botswana (see Gyldenstolpe, 1933; Taylor, 2005, Lanza *et al.*, 2015: 48).

1870. *[Epomophorus macrocephalus] var. unicolor* Gray, Catalogue of Monkeys, Lemurs and Fruit-eating bats in the collection of the British Museum London, 125 [Goto Description].

1870. *Epomophorus macrocephalus var. unicolor* Gray, Catalogue of Monkeys, Lemurs and Fruit-eating bats in the collection of the British Museum London, 125. Type locality: Mozambique: Zambesi River: Shupanga [=Chupanga] [18 02 S 35 37 E]. Holotype: BMNH 1864.8.16.1: sad ♀, skin and skull. Collected by: Dr. Sir John Kirk; collection date: June.

1899. *Ep[omophorus (Epomophorus)] neumanni* Matschie, Die Fledermäuse des Berliner

Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 43, 50. Type locality: Kenya: Mombassa [04 03 S 39 40 E] [Goto Description]. Lectotype: ZMB 9967: ad ♂, skull and alcoholic. Collected by: Dr. Johann Maria Hildebrandt; collection date: about 1880. Lectotype designated by Andersen (1912b: 525); see Turni and Kock (2008). Paralectotype: ZMB 53873: ♀, skull and alcoholic. Collected by: Michael Rodgers Oldfield Thomas; collection date: 1898. Takaungu, Kenya. Paralectotype: ZMB 53897: ♀, skull and alcoholic. Collected by: Michael Rodgers Oldfield Thomas; collection date: 1898. Takaungu, Kenya. Paralectotype: ZMB 5428: ♀, skull and alcoholic. Collected by: Dr. Johann Maria Hildebrandt; collection date: ca. 1876. Mombassa. Paralectotype: ZMB 54367: ♂, skull and alcoholic. Collected by: Michael Rodgers Oldfield Thomas; collection date: 1898. Takaungu, Kenya. See Turni and Kock (2008: 9). Paralectotype: ZMB 5597: juv ♂, skull and alcoholic. Collected by: Fischer. Malini, Kenya. Paralectotype: ZMB 9968: juv ♀, skull and alcoholic. Collected by: Prof. Oscar Rudolph Neumann; collection date: January 1898. - Comments: Mombasa is the locality of the lectotype: see Allen (1939a: 57). Acharya (1992: 1) mentions "No type originally designated. Type locality restricted to "Mombassa, British East Africa (=Kenya) by Andersen (1912b: 524)". Matschie mentioned 14 May 1899 in his introduction.

1899. *Ep[omophorus (Epomophorus)] stuhlmanni* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 50. Type locality: Tanzania: Usaramo: Vikindo [06 59 S 39 17 E, 120 m] [Goto Description]. Lectotype: ZMB 9982/9983: ad ♂, skin and skull. Collected by: Dr. Franz Ludwig Stuhlmann; collection date: 11 January 1894. Lectotype designated by Andersen (1912b: 527); skull damaged [skin: ZMB 9983 + skull: ZMB 9982]. Paralectotype: ZMB 10000: ♀, skull and alcoholic. Collected by: Dr. Franz Ludwig Stuhlmann. Zanzibar. Paralectotype: ZMB 10001: ♀, skull and alcoholic. Collected by: Neumann. Zanzibar. Paralectotype: ZMB 10002: ♂, skull and alcoholic. Collected by: Neumann. Zanzibar. Paralectotype: ZMB 2957: ♂, skull and alcoholic. Collected by: Wessel. Zanzibar. Paralectotype: ZMB 67054: ♀, skull only. Collected by: Dr. Franz Ludwig Stuhlmann; collection date: 1894. Dar es Salaam. Paralectotype: ZMB 67055: ♀, skull only. Collected by: Dr. Franz Ludwig Stuhlmann; collection date: 1894. Dar es Salaam. Paralectotype: ZMB 67056: skull only. Collected by: Dr. Franz Ludwig Stuhlmann; collection date: 1894. "Ushindo" [= ?], Tanzania. Paralectotype: ZMB 9252: ♀, skin and skull. Collected by: Fülleborn. Lindi, Tanzania. See Turni and Kock (2008: 9). Paralectotype: ZMB 9978: ♀, skin and skull. Collected by: Dr. Franz Ludwig Stuhlmann. Vikindo. Paralectotype: ZMB 9979: ♀, skull and alcoholic. Collected by: Dr. Franz Ludwig Stuhlmann. Vikindo. Paralectotype: ZMB 9980: ♂, skull and alcoholic. Collected by: Dr. Franz Ludwig Stuhlmann. Vikindo. Paralectotype: ZMB 9981: ♂, skin and skull. Collected by: Dr. Franz Ludwig Stuhlmann. Vikindo. Paralectotype: ZMB 9984: skin and skull. Collected by: Dr. Franz Ludwig Stuhlmann. Vikindo. Paralectotype: ZMB 9986: skin and skull. Collected by: Dr. Franz Ludwig Stuhlmann. Vikindo. Paralectotype: ZMB 9988: skin and skull. Collected by: Dr. Franz Ludwig Stuhlmann. Vikindo. Paralectotype: ZMB 9989: ♂, skin and skull. Collected by: Dr. Franz Ludwig Stuhlmann. Vikindo. Paralectotype: ZMB 9990: ♀, skull and alcoholic. Collected by: Dr. Franz Ludwig Stuhlmann. Dar es Salaam. Paralectotype: ZMB 9991: ♀, skull and alcoholic. Collected by: Dr. Franz Ludwig Stuhlmann. Dar es Salaam. Paralectotype: ZMB 9992: ♀, skull and alcoholic. Collected by: Dr. Franz Ludwig Stuhlmann. Dar es Salaam. Paralectotype: ZMB 9993: ♀, skull and alcoholic. Collected by: Dr. Franz Ludwig Stuhlmann. Dar es Salaam. Paralectotype: ZMB 9996: ♀, skull and alcoholic. Collected by: Dr. Franz Ludwig Stuhlmann. Zanzibar. Paralectotype: ZMB 9998: ♂, skin and skull. Collected by: Dr. Franz Ludwig Stuhlmann. Dar es Salaam. - Comments: The "type locality" is the locality of the lectotype: see Allen (1939a: 56). Acharya (1992: 1) mentions "No type originally designated. Type locality restricted to Vikindo, Usaramo, German East Africa [=Tanzania] by Andersen (1912b: 527)." In part (see Allen, 1939a: 56). Matschie mentioned 14 May 1899 in his introduction.

1899. *Ep[omophorus (Epomophorus)] zenkeri* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 44, 46. Type locality: Angola: Cabinda: Tschintschoscho [= Chinchoxo] Station [05 05 S 12 02 E] [Goto Description]. Lectotype: ZMB 9974/9975: ad ♀, skin only. Collected by: Falkenstein; collection date: 1874. Lectotype designated by Andersen (1912b: 524): 8 paralectotypes designated; see Turni and Kock (2008) [skin: ZMB 9974 +

skull: ZMB 9975]. Paralectotype: ZMB 3632: ♀, skull and alcoholic. Angola. Ex Mus Lisbon. Paralectotype: ZMB 4801: ♂, skull and alcoholic. Collected by: Falkenstein. Chinchoxo [=Loango Coast]. Paralectotype: ZMB 6129: ♂, skull and alcoholic. Collected by: Büttner. Gabon. Paralectotype: ZMB 9969: ♀, skull and alcoholic. Collected by: von Melchow. Malandje [=Malange], Angola. Paralectotype: ZMB 9970: ♂, skull and alcoholic. Collected by: von Melchow. Malandje [=Malange], Angola. Paralectotype: ZMB 9971: ♀, skull and alcoholic. Collected by: von Melchow. Malandje [=Malange], Angola. Paralectotype: ZMB 9976: ♂, skull and alcoholic. Collected by: Falkenstein. Chinchoxo. Paralectotype: ZMB 9977: ♂, skull and alcoholic. Collected by: Falkenstein. Chinchoxo. See Turni and Kock (2008: 10). - Comments: Allen (1939a: 56) mentioned the lectotype from Chinchoxo, Cabinda, Angola. Acharya (1992: 1) mentions "No type originally designated. Type locality restricted to Chinchoxo, Cabinda, Angola by Andersen (1912b: 524)." Matschie mentioned 14 May 1899 in his introduction.

1990. *Epomophorus walbergi:* King, Davies and Lawrie, Vet. Microbiol., 23 (1-4): 168. Publication date: June 1990. (Lapsus)

2013. *Epomophorus angolensis:* Van Cakenberghe and Seamark, African Chiroptera Report, 760. - Comments: Not of Gray, 1870 (in part). The specimens not from Angola or Namibia.

2016. *Epomophorus wahlbergyi:* Bahlman, Price-Waldman, Lippe, Breuer and Swartz, J. Anat., 229 (1): 116. Publication date: 1 March 2016. (Lapsus)

2017. *Epomorphorus wahlbergi:* Banyard and Fooks, Microbiol. Aust., 38 (1): 18. Publication date: March 2017. (Lapsus)

? *Epomophorus crypturus:* - Comments: Not of Peters, 1852.

? *Epomophorus gambianus:* - Comments: Not of Ogilby, 1836.

? *Epomophorus wahlbergi haldemani:* (Name Combination)

? *Epomophorus wahlbergi wahlbergi:* (Name Combination)

? *Epomophorus wahlbergi:* (Name Combination, Current Combination)

TAXONOMY:

Figure 27. *Epomophorus wahlbergi* from Durban, KwaZulu Natal, South Africa.

Reviewed by Acharya (1992). See Simmons (2005: 323).

COMMON NAMES:

Afrikaans: Wahlberg se vrugtevlermuis, Wahlberg-witkolvrugtevlermuis. Czech: kaloň Wahlbergův. English: Wahlberg's Epauletted Fruit-bat, Wahlberg's Epauletted Fruit-bat. French: Epomophore frugivore de Wahlberg, Roussette à épaulettes de Wahlberg. German: Wahlbergs Epaulettenflughund. Italian: Epomòforo di Wàhlberg. Portuguese: Morcego frugivoro de Wahlberg. Spanish (Castillian): Zorra Voladora

SIMILAR SPECIES:

Taylor and Monadjem (2008: 24) provided data which enabled them to separate *E. wahlbergi* from *E. crypturus*. In the first species, the maxillary width is always larger than in the latter (♂♂: > 14 mm; ♀♀: > 13 mm).

Adams and Snode (2015) analysed the male mating calls of two groups of epauletted bats (*E. wahlbergi* and *E. crypturus*) in the Kruger National Park, and found differences in mean fundamental frequency, mean high frequency, mean low frequency, mean bandwidth, and mean call slope. They hypothesize that these differences may be used to avoid cross-mating between species.

CONSERVATION STATUS:

Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008k; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008k; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004f; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Schoeman *et al.*, 2016d). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Mickleburgh *et al.*, 2008k; IUCN, 2009). However, MacEwan (2016: 3) reports on *E. walhbergi* fatalities as a result of encounters with wind turbine blades.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008k) [in IUCN (2009)] report that it is present in many protected areas and no direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Epomophorus wahlbergi is found in Central Africa, East Africa and southern Africa (it is broadly distributed across southern Africa). It has been recorded from Cameroon (Aellen, 1952), Equatorial Guinea (Rio Muni), Gabon, Congo and Angola in the west, through southern Democratic Republic of the Congo and Rwanda, being distributed in East Africa from Uganda, Kenya and southern Somalia in the north, through Tanzania (including the islands of Unguja [=Zanzibar], Pemba, and Mafia [see O'Brien, 2011: 285]), Zambia, Malawi and Mozambique into Zimbabwe, eastern and southern South Africa and Swaziland. There is a need to confirm the presence of this species in Cameroon and Equatorial Guinea. It ranges from sea level to around 2,000 m asl (Mickleburgh *et al.*, 2008k; IUCN, 2009).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,327,859 km^2.

In South Africa, its distribution is strongly associated with annual precipitation (Babiker Salata, 2012: 49).

Liberian records are probably erroneous.

Native: Angola (Bergmans, 1988; Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 552); Botswana; Burundi; Congo (Bates *et al.*, 2013: 333); Congo (The Democratic Republic of the) (Schouteden, 1944; Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 552); Gabon; Kenya; Malawi (Happold *et al.*, 1988; Bergmans, 1988; Happold and Happold, 1997b: 815; Monadjem *et al.*, 2010d: 554); Mozambique (Smithers and Lobão Tello, 1976; Bergmans, 1988; Monadjem *et al.*, 2010d: 554; Monadjem *et al.*, 2010c: 376); Rwanda; Somalia; South Africa (Monadjem *et al.*, 2010d: 553); Swaziland (Monadjem *et al.*, 2010d: 553); Tanzania (Stanley and Goodman, 2011: 37); Uganda; Zambia (Ansell, 1978; Bergmans, 1988; Cotterill, 2002b: 6; Monadjem *et al.*, 2010d); Zimbabwe (Monadjem *et al.*, 2010d: 553).
Presence uncertain: Cameroon; Equatorial Guinea, Namibia (Cotterill, 2004a: 260).

DENTAL FORMULA:
At birth, the following dentition is present:

i $^2/_2$ c ^{1} / $_1$ p $^1/_1$ = 16

The adult dental formula is:

I $^2/_2$ C $^1/_1$ P $^2/_3$ M $^1/_2$ = 28 (Sowler, 1980: 113).

Sowler (1980: 113) also reports that the second deciduous premolars appear between the second and third week, making a total of 20 teeth. All of the permanent teeth are present between week 12 and 14.

DETAILED MORPHOLOGY:
Tongue - Mqokeli and Downs (2012b examined eight *E. wahlbergi* from Pietermaritzburg, South Africa where all studied had an elongated, muscular tongue of 4.4 ± 0.33 cm (mean ± SD) long and 1.1 ± 0.4 cm (mean ± SD) wide. The anterior tip of the tongue of each was narrower compared with the broader posterior part of the tongue. The anterior tip of the tongues was 0.2 ± 0.05 cm thick with a width of 0.7 ± 0.10 cm (mean ± SD). The mid-region of the tongues had a thickness of 0.6 ± 0.05 cm and a width of 1 ± 0.20 cm (mean ± SD). The posterior regions of the tongues were 0.7 ± 0.00 cm thick and 1.5 ± 0.10 cm wide. The dorsal surface of the tongues possessed two types of mechanical papillae, filiform and conical papillae, and two types of gustatory papillae, fungiform and circumvallate papillae, which varied in distribution. Filiform papillae were highly abundant and occurred on the entire surface of the tongue. These papillae were posteriorly directed, with the small filiform papillae situated at the anterior tip of the tongue. Larger filiform papillae were present as a band posterior to these in the anterior to mid-regions of the tongue. Small filiform papillae with fungiform papillae occurred on either side of the giant filiform papillae band. The posterior part of the *E. wahlbergi* tongue (behind the giant filiform papillae) had elongated basket-like filiform papillae. These had large projections and occupied most of the posterior region of the tongue. Fungiform papillae occurred among these filifor papillae. The elongated basket-like filiform papillae were symmetrically arranged with respect to the axis of the tongue. The filiform papillae transformed into conical papillae on the left and right side of the posterior base of the tongue and pointed inwards. Short conical papillae occurred on the midportion of the posterior region of the tongue. Fungiform papillae were scattered among

the filiform papillae, except in areas of giant filiform and conical papillae. At the posterior end of the tongue occurred a triangular arrangement of three circumvallate papillae directed toward the pharynx surrounded by a deep groove.

Brain - Chawana *et al.* (2013: 160) indicate the average brain mass for 2 specimens was reported as 1.81 g.

Physiology - Minnaar *et al.* (2014b: 475) studied the evaporative water loss and indicate that they can not substantiate previous findings of 5 to 10 % of the gas exchanges being done over the wing membrane.

FUNCTIONAL MORPHOLOGY:
Makanya and Mortola (2007: 687) and Kovalyova (2014: 326) indicate that the body skin epidermis for this species thick (61 ± 3 µm, SEM), the stratum corneum alone taking a third of it (21 ± 3 µm). The wing membrane was 27.8 ± 3.1 µm thick, of which the epidermis took 9.8 ± 0.7 (9.1 - 10.5) µm, with a stratum corneum (horny layer) of 4.1 ± 0.3 (3.7 - 4.4) µm. Makanya and Mortola (2007: 687) conclude that the wing web has structural modifications that permit a substantial contribution to the total gas exchange.

Coimbra *et al.* (2016: 191) mention that the eye in this species contains about 200,000 retinal ganglion cells. The minimum angle of resolution was approximately 0.167° (ca. 5-6 mm at 1 m distance).

MOLECULAR BIOLOGY:
DNA - Unknown
Karyotype - 2*n* = 36, FN = 68 (Đulic and Mutere, 1973b; Peterson and Nagorsen, 1975; Đulic and Mutere, 1977). Đulic and Mutere (1973b; 1977) reported BA = 34, whereas Peterson and Nagorsen (1975) reported BA = 36 as they included the X (no male studied).
Protein / allozyme - Unknown.

HABITAT:
Although *E. wahlbergi* was found in bushed *Acacia* steppe, Lönnberg (1912: 27) doesn't regard this species as a steppe mammal, since a forest of tall Acacias and other trees was nearby.

HABITS:
Wickler and Seibt (1976) suggest that male *E. wahlbergi*'s call out to space out other males, but also to attract females. Funakoshi *et al.* (1995: 504) indicate that their communication calls consist of several harmonics covering the 2 - 8 kHz range, with a duration of 200 - 300 msecs, which also contain a slight click at the beginning.

In a study at the University of KwaZulu-Natal, Downs *et al.* (2015: 7) found that in winter bats generally slept for longer periods of time, and more often than in summer, and that no bats were sleeping when the ambient temperature was above 35°C. During the winter season, the percentage of sleeping bats increased between 9 and 12 o'clock as T_a increased. In both seasons, more bats were sleeping with both eyes closed than with only one open. During the first hours after their nightly activity, sleep with both eyes closed was more often observed, but this diminished later on during the day, with one eye open sleep reaching its peak around 10h00.

ROOST:
Day roosts are often located in the dense foliage of riverine or gallery forests, but sometimes caves are used too. Three to six individuals roost in small groups, and roosts are switched every five or six days, sometimes only for a few metres (Kunz, 1996: 44).

Wickler and Seibt (1976) [in McCracken and Wilkinson (2000:350)] found that *E. wahlbergi* roosts in palm leaves or thatch roofs in mixed sex colonies, containing from three to over 100 animals, where the individuals are spaced at least 2.5 cm apart (except for female-young pairs).

In the Durban area, Taylor *et al.* (1999: 66) reported *E. wahlbergi* to roost along the undersurface midribs of royal palm (*Roystonia elata* (Kunth) O.F. Cook) leaves, and sometimes under eaves of double-storey houses or in recesses under a concrete road bridge.

The bats also regularly change their day roost (see Rollinson *et al.*, 2014: 173), e.g. to reduce the distance from the roost site to their feeding sites. During the winter they changed their roosting sites more often than during the summer (p. 179). These authors also reported that the roost temperatures are generally higher than the ambient temperature, and that roosts in man-made structures had usually a higher temperature than those in natural vegetation (e.g. in *Bougainvillea, Borassus, Trema orientalis*).
DIET:
Voigt *et al.* (2011: 355) found *E. wahlbergi* to be the second most important seed disperser for syringa fruits (*Melia azedarach*), which is an alian invasive tree species in KwaZulu Natal. Jordaan *et al.* (2011: 961) fed captive specimens with fruits of *Psidium guajava* L. (Myrtaceae) and *Melia azedarach* L. (Meliaceae) during the month of May, and with those of *Eriobotrya japonica* (Thunb.) Lindl. (Rosaceae) and *Morus alba* L. (Moraceae) during September. *Solanum mauritianum* Scopoli (Solanaceae) and

Cinnamomum camphora (L.) J. Presl. (Lauraceae) fruits were also made available to the bats, but were not eaten by any of the individuals.

In Congo, Kipalu (2009: 16) reported *E. wahlbergi* visiting/consuming fruits of the Borassus palm (*Borassus aethiopum*), African peach (*Nauclea diderichii*), and Mango (*Mangifera indica*).

Seltzer *et al.* (2013: table S2) provided an overview of the plant species found beneath bat feeding roosts. For *E. wahlbergi* these include *Rauvolfia caffra* Sond. (Quinine Tree - Apocynaceae), *Ficus atalensis* Hochst (Natal Fig - Moraceae) and *Syzygium cordatum* Hochst. (water-berry tree - Myrtaceae).

Govender *et al.* (2016: 315) found that *E. wahlbergi* prefered ripe figs over green ones.

Wickler and Seibt (1976) [in Bonaccorso *et al.* (2014: 50)] reported *E. wahlbergi* feeding on leaves of *Balanites wilsonianea* (Balanitaceae) in East Africa. Bonaccorso *et al.* (2014: 50) indicated this might also be the case in the Kruger National Park. Based on data from captive feeding experiments Bonaccorso *et al.* (2014: 50) extrapolated that the Skukuza bat colony (133 animals in 2007) would have dispersed 3.2 million fig seeds per night.

Downs *et al.* (2011b: 148) indicate that *E. wahlbergi*'s body mass was significantly higher in winter than in summer, which is possibly not attributable to an increase in body fat, but rather to excessive eating as result in increased metabolic costs.

Rollinson *et al.* (2013: 340) found that in the urban environment of Pietermaritzburg, South Africa, the bats had a greater home range in winter than in spring, which was linked with the reduction of fruiting plant species. They also found (p. 343) that male home ranges were smaller than those of females (0.46 km^2 versus 0.78 km^2). Their mean foraging distance was 1.45 ± 0.2 km in winter and 0.88 ± 0.08 km in spring.

Coleman and Downs (2012: 431) investigated the effect of sugar type and concentration on *E. wahlbergi* and suggest that these bats do not appear to have a selective pressure on the sugar composition of the fruit they eat. Mqokeli and Downs (2014: 161) performed some tests with equicaloric solutions (15 % glucose or 15 % sucrose with 0, 2.58, 5.68, 7.23 g soy protein/kg H_2O). Volumetric intake of the respective glucose and sucrose solutions varied among individual bats, with total volumetric intake being highest for solutions with no protein. The authors concluded that this suggests *E. wahlbergi* has low protein dietary requirements, which may be a response to the low-protein fruit available in the wild. They do point out that the bats may supplement their diet by actively preying on insects, but this needs to be investigated.

Blood plasma glucose concentrations – *Epomophorus wahlbergi*'s blood plasma glucose concentration was lower (5.24 ± 0.38 mmol/l) at 18:00 before feeding and increased during/after feeding (8.19 ± 1.24 mmol/l) but bats appeared to regulate it within limits (Mqokeli and Downs, 2012a: 348). Glucose intake of *E. wahlbergi* is generally high irrespective of sugar concentration (Coleman and Downs, 2012; Downs *et al.*, 2011a). Mqokeli and Downs (2012a: 349) found that blood plasma glucose concentration differed significantly with time. The greatest individual variation in blood plasma glucose concentrations were recorded at 24:00 possibly because of varying feeding and digestion rates (Mqokeli and Downs, 2012a: 350). Mqokeli and Downs (2012a: 349) found that blood plasma glucose concentrations were generally higher than the upper limit of the normal mammalian blood plasma glucose range. Mqokeli and Downs (2012a) showed diet variations in blood plasma glucose concentrations with an increase in concentrations during or directly after feeding. Mqokeli and Downs (2012a: 349) found that the body masses differed significantly at the respective blood sampling times. The lowest mean body mass (± S.E) was at 18:00 (99.69 ± 5.55 g) while the highest mean body mass was at 24:00 (105.05 ± 5.75 g). There was a significant difference in body mass between the 12:00 and 18:00 sampling times, and between the 24:00 and 18:00 sampling times. At 24:00 all bats had fed on the fruit provided and at 06:00 little fruit remained. The increase in body mass at 24:00 was about 6 %.

Germination experiments performed with four *E. wahlbergi* specimens captured on Mount Kilimanjaro (Tanzania), and fed with fig fruit parts of *Ficus sur* trees resulted in an overal germination percentage of 49.3 % after 13 days (Helbig-Bonitz *et al.* (2013: 123).

PREDATORS:

Broadley (in Schätti, 1984: 340) reports that these bats were eaten by Gaboon vipers (*Bitis gabonica*) kept in captivity.

Mikula *et al.* (2016: Supplemental data) mention the following diurnal avian predators: Dickinson's kestrel (*Falco dickinsoni* Sclater, 1864), Wahlberg's eagle (*Hieraaetus wahlbergi* (Sundevall, 1851)), Crowned eagle (*Stephanoaetus coronatus* (Linnaeus, 1766)); Trumpeter hornbill (*Bycanistes bucinator*

(Temminck, 1824)).

POPULATION:
Structure and Density - Common (Mickleburgh *et al.*, 2008k; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008k; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 10.1 years.

REPRODUCTION AND ONTOGENY:
Close to the equator, this species has two birth periods in February-March and in October-December (Bergmans, 1979a; O'Shea and Vaughan, 1980), or an extended period from October to January (Wickler and Seibt, 1976; Bernard and Cumming, 1997). Further south in Malawi and Zambia this species has been described as 'aseasonally polyoestrus' with births from September to March (Happold and Happold, 1990b). In southern Africa, this species has been described as 'seasonally polyoestrus' (Taylor, 2005; Taylor (2005) in Skinner and Chimimba (2005)). Although Taylor (1998) reported that in the KwaZulu-Natal province of South Africa 'breeding occurs throughout the year with peaks in July and in the summer'. However, this statement was based on an unpublished dataset by C. Sapsford, and further details were not presented (Taylor, 2005) in [Skinner and Chimimba, 2005]). In Zimbabwe, gravid females have been recorded in June and December (Smithers and Wilson, 1979), suggesting an extended breeding season. By contrast, in Kruger National Park, South Africa, parturition has been recorded in November-December (Pienaar *et al.*, 1980). In Swaziland, subadults were present throughout the year with two peaks (January-May and August-October), while lactating females were only present between December and May (Monadjem and Reside, 2012: 322).
Lönnberg (1912: 47) mentioned that two of the three females captured on 20 March 1911 at the upper Luazomela River, Kenya were carrying young of approximately 6 cm. Stanley and Goodman (2011: 37) reported a pregnant female collected in the South Pare Mountains, Tanzania, on 20 July 1993.
One female, taken by Bergmans (1979a: 174) in Congo on 21-22 November was lactating, while three others, taken between 28 November and 13 December, were pregnant.

Szekely *et al.* (2015: Suppl.) report a gestation period of 165 days, and two litters per year.

MATING:
Wickler and Seibt (1976) [in Krutzsch (2000: 111)] indicate that male mating patterns also include courtship vocalizations (calling territories). Males also establish nocturnal display sites where females visit the males for mating (see McCracken and Wilkinson, 2000: 349). At Skukuza (Kruger National Park), Adams and Snode (2015: 4) found the following values for the male mating calls: mean fundamental frequency: 7.88 ± 0.11 kHz (first harmonic) followed by a second harmonic: 15.71 ± 0.23 kHz.

PARASITES:
BACTERIA
One out of five bats tested by Dietrich *et al.* (2016b: 3) in Pafuri (RSA) tested positive for *Bartonella* bacteria, and one out of two bats from Rocktail Bay (RSA) tested positive for *Rickettsia*, as did one out of 80 tested from Umbilo (RSA).

gram-negative
Helmick *et al.* (2004: 88) reported a novel *Pasteurella*-like organism found in lung tissue of two captive Wahlberg's epauleted fruit bats, which were recently shipped, and died soon after release from a 30-day quarantine period.

HAEMOSPORIDA
Garnham (1948, 1950) [in Miltgen *et al.* (1977: 595)] described some liver schizonts and gametocytes, which he assigned to the genus *Hepatocystis*.

ACARI
Fain (1967: 367) reported *Teinocoptes epomophori* Rodhain, 1923 (Acari: Teinocoptidae) from an *E. wahlbergi haldemani* specimen from Boma, DRC, and *Teinocoptes auricularis* from an *E. wahlbergi* from Zanzibar.

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV: Müller *et al.* (2007b) tested between 1986 to 1999, two individuals from Mpumalanga Province, South Africa for antibody to SARS-CoV in sera, none were found to be positive.
Four out of 63 (6.3 %) Kenyan bats tested by Tao *et al.* (2017: Suppl.) were positive for CoV.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Lagos bat virus (LBV): Isolated from South Africa (Crick *et al.*, 1982: 211; King *et al.*, 1990: 169; Meredith and Standing, 1981; Swanepoel, 2004; Markotter *et al.*, 2006b; Hayman *et al.*, 2011a: 88; Nadin-Davis *et al.*, 2011: 238; Coertse *et al.*, 2011: 251; Willoughby *et al.*, 2017: Suppl.).
Mokola virus (MOKV): King *et al.* (1990: 168) found monoclonal antibodies for MOKV in bats from South Africa. They also reported antibodies for Duvenhage and Denmark bat virus.

Paramyxoviridae

Drexler *et al.* (2012a: Suppl. Table S1) indicated that none of the 4 specimens they examined from the Democratic Republic of the Congo tested positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

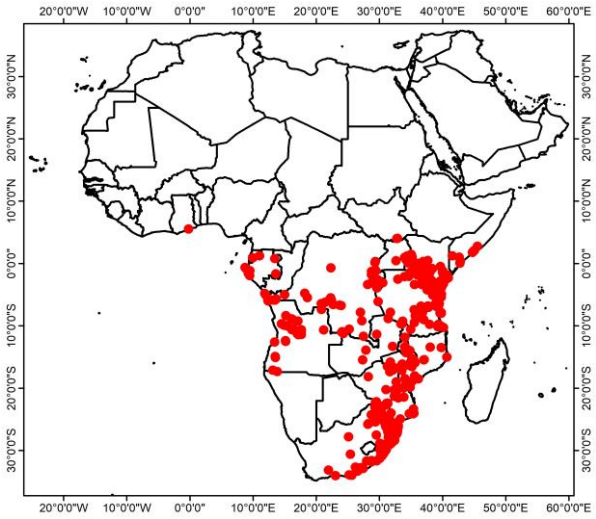

Figure 28. Distribution of *Epomophorus wahlbergi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Burundi, Cameroon, Congo, Congo (Democratic Republic of the), Equatorial Guinea, Ethiopia, Gabon, Ghana, Kenya, Malawi, Mozambique, Namibia, Rwanda, Somalia, South Africa, South Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe.

Genus ***Epomops*** Gray, 1866

*1870. *Epomops* Gray, Catalogue of Monkeys, Lemurs and Fruit-eating bats in the collection of the British Museum London, 126 [Goto Description]. - Comments: Type species: *Epomophorus franqueti* Tomes, 1860. - Etymology: Probably an abbreviation of *Epomophorus* and the Greek "*οψ*", meaning aspect, referring to its resemblance to that genus (see Palmer, 1904: 268). (Current Combination)
2014. *Hepomops:* Nina, Acta Med. Port., 27 (5): 627. Publication date: Sep-Oct 2014.
2016. *Epomos:* Pancer, Gut and Litwinska, Post. Mikrobiol., 55 (2): 207.

TAXONOMY:
Reviewed by Bergmans (1989). See Simmons (2005: 323).

Andersen (1912b: 487), Grubb *et al.* (1998: 69) mention "Gray, 1866, Proc. Zool. Soc., Lond.: 65" as first publication in which the name *Epomops* was used.

The results of the phylogenetic analyses by Almeida *et al.* (2016: 82) showed that the genus *Epomops* is not monophyletic as a DNA fragment of *E. dobsonii* shows a close relationship with *Epomophorus wahlbergi*, which seems to support the similarities or transitional traits of *dobsonii* with *Epomophorus* reported by Bergmans (1989: 118).

Included in the Epomophorinii tribe by Bergmans (1997: 69) and Almeida *et al.* (2016: 83), which was considered part of the Epomophorinae by the former and of the Rousettinae by the latter.

Based on the analyses of mitochondrial and nuclear data, Hassanin *et al.* (2016: 525) suggest that the genus *Epomops* contains only one species, which can be divided into two subspecies: *E. franqueti franqueti* in Central Africa and *E. f. buettikoferi* in West Africa.

Known species of *Epomops*: ***buettikoferi*** (Matschie, 1899); ***franqueti*** (Tomes, 1860).

COMMON NAMES:
Czech: Grayovi kaloni. English: Clamorous Fruit-bats, Noisy Fruit-bats, Singing Fruit-bats, Epauletted bats, Epaulet bats, African Epauletted bats. French: Epomophores de l'ouest. German: Epaulettenflughunde.

MOLECULAR BIOLOGY:
The *Cytb* analyses performed by Hassanin *et al.* (2016: 525) revealed that bats from West Africa, identified as either *E. franqueti* or *E. buettikoferi*, share very similar or identical haplotypes, which are divergent from those sequenced for all individuals of *E. franqueti* collected in Central

Africa.

PARASITES:
HAEMOSPORIDA
Perkins and Schaer (2016: Suppl.) mention the presence of *Hepatocystis epomophori* Rodhain, 1926 in *Epomops* sp. bats. Nine out of 10 (90 %) South Sudanese bats examined by Schaer *et al.* (2017: 2) were infected by *Hepatosystis* sp.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Côte d'Ivoire, Gabon, Ghana, Niger.

Epomops buettikoferi (Matschie, 1899)

*1899. *Ep[omophorus (Epomophorus)] büttikoferi* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 43, 45. Type locality: Liberia: Junk river: Schieffelinsville [06 11 N 10 30 W] [Goto Description]. Holotype: RMNH ad ♂, mounted skin (skull missing). Collected by: F.X. Stampfli. - Comments: Matschie dated his introduction to 14 May 1899. - Etymology: In honour of J. Büttikofer, who collected animals in Liberia.
1972. *Epomophorus (Epomops) franqueti buettikoferi:* Püscher, Z. Säugetierk., 37 (3): 155. (Name Combination)
1996. *Epomophorus buettiforteri:* Kuhl, Obligate and opportunistic interactions, 52. (Lapsus)
2000. *Epomops buetticoferi:* Konstantinov, Pema, Labzin and Farafonova, Plecotus et al., 3: 145. (Lapsus)
2013. *Epomops buettifoferi:* Seltzer, Ndangalasi and Cordeiro, Biotropica, 45 (4): table S2. Publication date: 22 February 2013. (Lapsus)
2016. *E[pomops] f[ranqueti] buettikoferi:* Hassanin, Nesi, Marin, Kadjo, Pourrut, Leroy, Gembu, Musaba Akawa, Ngoagouni, Nakouné, Ruedi, Tshikung, Pongembo Shongo and Bonillo, C. R. Biologies, 339 (11-12): 525. Publication date: 14 October 2016. (Name Combination)
? *Epomops buettikoferi:* (Name Combination, Current Combination)

TAXONOMY:
See Bergmans (1989) and Simmons (2005: 323).

COMMON NAMES:
Czech: kaloň Büttikoferův. English: Buettikofer's Clamorous Fruit-bat, Buettikofer's Epauletted Bat, Buettikofer's Epauletted Fruit Bat, Büttikofer's Fruit Bat. French: Epomophore de Büttikofer, Epomophore de Buettikofer, Roussette de Büttikofer, Roussette de Buettikofer. German: Büttikofers Epaulettenflughund.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it occurs in a number of protected areas, has a tolerance of a degree of habitat modification, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008as; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008as; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004bg; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996). 1994 - VU (Groombridge, 1994).

MAJOR THREATS:
It is possible that there are no major threats to this species. Populations might be threatened by deforestation in parts of the species range, however, the extent to which it depends on forest cover is unclear (Mickleburgh *et al.*, 2008as; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008as) [in IUCN (2009)] suggest that further studies are needed into the dependence of this species on forested areas.

This species has been recorded from a number of protected areas in West Africa (Mickleburgh *et al.*, 1992).

GENERAL DISTRIBUTION:
Epomops buettikoferi is a lowland West African species which ranges from Senegal and Guinea-Bissau in the west, to central Nigeria in the east. Bergmans (1975: 147) indicates it is restricted to the West African "moist forest" block.

Native: Cameroon (Bakwo, 2009: 12); Côte d'Ivoire (Henry *et al.*, 2004: 24); Ghana (Decher and Fahr, 2007: 10 - 11); Guinea (Denys *et al.*, 2013: 281; Decher *et al.*, 2016: 259); Guinea-Bissau (Rainho and Ranco, 2001: 26); Liberia

(Monadjem and Fahr, 2007: 50); Nigeria; Senegal; Sierra Leone.

MOLECULAR BIOLOGY:
Denys *et al.* (2013: 281) determined the karyotype of four specimens from the Guinean Mount Nimba area and found 2*n* = 36 in females (34 autosomes and two X gonosomes), and 2n = 35 in males (X0 gonosomes); NFa = 68. X = submetacentric or medium-sized.

ROOST:
E. buettikoferi roosts alone or in small groups, near its feeding area (Kunz, 1996: 52).

DIET:
Seltzer *et al.* (2013: table S2) provide an overview of the plant species found beneath bat feeding roosts. For *E. buettikoferi* this included *Milicia excelsa* (Welw.) C. C. Berg (African Teak - Moraceae).

POPULATION:
Structure and Density - It appears to remain common in many areas, with the exception of Nigeria, but populations may be declining in areas of ongoing deforestation (Mickleburgh *et al.*, 2008as; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008as; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Krutzsch (2000: 93) mentions that males attain puberty at the age of eleven months.

MATING:
The male mating pattern in *E. buettikoferi* includes courtship vocalizations (calling territories) (see Krutzsch (2000: 111).

PARASITES:
HAEMOSPORIDA
Schaer *et al.* (2013a: 17416) report the presence of hemosporidian parasites of the genus *Hepatocystis* in seven out of 25 investigated bats.

VIRUSES:
Rhabdoviridae
Lyssavirus - Rabies related viruses
Lagos bat virus - Hayman *et al.* (2008a) detected antibodies in Ghana.

Drexler *et al.* (2012a: Suppl. Table S1) indicated that the single specimen they examined from Ghana did not test positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Côte d'Ivoire, Ghana, Guinea, Liberia, Nigeria, Senegal, Sierra Leone.

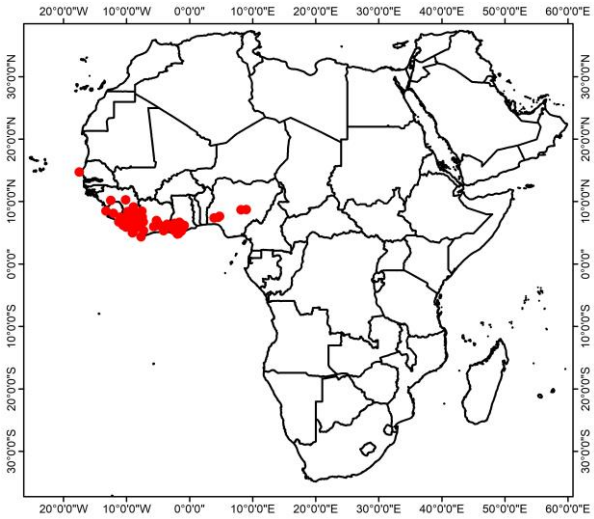

Figure 29. Distribution of *Epomops buettikoferi*

Epomops franqueti (Tomes, 1860)

*1860. *Epomophorus franqueti* Tomes, Proc. zool. Soc. Lond., 1860, I: 54, pl. 75. Publication date: February - May 1860. Type locality: Gabon: "Gabon" [Goto Description]. Holotype: MNHN A.107-776-C.52-1852-257: ad ♂, mounted skin and skull. Collected by: Franquet. Skull has number A6767; see Rode (1941: 233), who uses number 164.

1862. *Epomophorus comptus* H. Allen, Proc. Acad. nat. Sci. Philad., 13 (11): 158 (for 1861). Type locality: "Africa": West Africa [Goto Description]. - Comments: Andersen (1912b: 497) and Allen (1939a: 57) mentioned "=Gaboon" as type locality. Publication date: Volume 13 issue 11 covers the meetings of June-July 1861, but was probably only printed in 1862. Andersen (1912b: 498) mentions "as having been collected by Du Chaillu the specimen is no doubt from Gaboon." Type in Phildalphia Museum, unmounted skin, skull extracted, ♀.

1910. *Epomops franqueti strepitans* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 5 (25): 106. Publication date: 1 January 1910. Type locality: Nigeria: 150 mi up the Niger: Asaba [06 11 N 06 43 E]. Holotype: BMNH 1895.5.3.7: ad ♂, skin and skull. Presented/Donated by: Dr. W.H. Cross. See Andersen (1912b: 497).

2017. *Epomops frangueti:* Dammann, Semin. Cell Dev. Biol., 70: 160. Publication date: 8 July 2017. (Lapsus)

? *Epomophorus (Epomops) franqueti:* (Name Combination)
? *Epomops franqueti franqueti / strepitans:* (Name Combination)
? *Epomops franqueti franqueti:* (Name Combination)
? *Epomops franqueti:* (Name Combination, Current Combination)

TAXONOMY:
See Bergmans (1989) and Simmons (2005: 324).

COMMON NAMES:
Czech: kaloň Franquetův, kaloň plavý. English: Franquet's Clamorous Fruit-bat, Franquet's Fruit Bat, Franquet's Epauletted Fruit Bat, Singing Fruit Bat. French: Epomophore de Franquet, Chien volant à épaulettes du Congo, Roussette de Franquet. German: Franquets Epaulettenflughund.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008by; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008by; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004ci; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Mickleburgh *et al.*, 2008by; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008by) [in IUCN (2009)] report that *E. franqueti* is present in many protected areas. No direct conservation measures are currently needed for this adaptable species as a whole.

GENERAL DISTRIBUTION:
Epomops franqueti is a widespread species, which is present in much of West Africa and Central Africa, with some records from East Africa. It ranges from Côte d'Ivoire and Ghana in the west, to Cameroon, and then through Central Africa to southern Sudan, Rwanda and Uganda in the east. It has been recorded as far south as northern Angola, southern Democratic Republic of the Congo and northeastern Zambia.

The record (MNHN ZM-MO-1984-1165) from Madagascar is a possible misidentification/or incorrect locality information and needs verification.

Native: Angola (Bergmans, 1989; Monadjem *et al.*, 2010d: 554); Benin (Capo-Chichi *et al.*, 2004: 161); Cameroon; Central African Republic (Morvan *et al.*, 1999: 1195); Congo (King and Dallimer, 2010: 65; Bates *et al.*, 2013: 333); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 554); Côte d'Ivoire; Equatorial Guinea; Gabon; Ghana; Nigeria; Rwanda; Sudan; Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 59); Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 554).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
From western Uganda, Monadjem *et al.* (2011: 30) reported the following data for 7 specimens: Fa: 93.51 ± 5.246 mm, mass: 114.7 ± 35.86 g, wing loading: 19.7 ± 3.81 N/m^2, aspect ratio: 5.4 ± 0.43.

DETAILED MORPHOLOGY:
Dobson (1881: 686) provides a detailed description of the pharynx, larynx, and hyoid bones.

Chawana *et al.* (2013: 160) report an average brain mass of 2.42 g (n = 2).

FUNCTIONAL MORPHOLOGY:
Coimbra *et al.* (2016: 191) found that the eye of *E. franqueti* has a bright yellow tapetum lucidum, which covers almost the entire extension of its dorsal hemisphere. There are about 200,000 retinal ganglion cells. The minimum angle of resolution was approximately 0.167° (ca. 5-6 mm at 1 m distance).

MOLECULAR BIOLOGY:
DNA - Unknown.

Karyotype - In Kenya, Peterson and Nagorsen (1975) recorded 2*n* = 36. Haiduk *et al.* (1980) reported 2*n* = 36, FN = 68, BA = 34, a subtelocentric X chromosome and a subtelocentric Y chromosome for specimens from Cameroon. Haiduk *et al.* (1981: 224) mention 2*n* = 36, FN = 66. Primus *et al.* (2006) reported a male without Y chromosome (2*n* = 35) from Gabon.

Protein / allozyme - Unknown.

Dammann (2017: 160) refers to Ifuta *et al.* (1988: 379), who found that levels of T_4 (plasma concentrations of thyroxine) were about 10 times lower in this bat than in other mammals. These

low values might be stress related as several hours elapsed between the capture of the bats and taking blood samples. However, these low values were not found for T_3 (Plasma concentrations of triiodothyronine). Dammann (2017) suggests that the low levels of T_4 might be related to the longevity in bats.

HABITAT:
This species is associated with lowland tropical moist forest, where it has been recorded in both primary and secondary habitat. Populations are also present in the mosaic habitats of tropical moist forest with woodland and grassland (Bergmans, 1989). It is an adaptable species that can be found in disturbed areas, seemingly being only absent from heavily degraded or urban areas.

HABITS:
Bradbury (1977) [in McCracken and Wilkinson (2000: 351)] found that females and juvenile animals were feeding near the territory of a calling male, which would suggest that additional resources could be available in that area.

ROOST:
The species roosts alone or in small groups, often close to water, in the dense leave cover of shrubs or trees (Brosset, 1966c; Jones, 1972; Kunz, 1996: 44).

DIET:
In Congo, Kipalu (2009: 16) reported *E. franqueti* visiting/consuming fruits of *Chlorophora excelsa* (African teak) and *Ficus mucuso*.

Gembu Tungaluna (2012: 95 - 97) reported the following fruits being eaten in the Kisangani area (DRC) in the various seasons: First heavy rain season (September - November): *Persea americana* Mill., 1786 (avocado) (24%), *Carica papaya* L. (papaya) (16%), *Spondias cytherea* Sonnerat, 1782 (Ambarella, otaheite apple, great hog plum) (14%), *Annonidium mannii* (Oliv.) Engl. & Diels (Junglesop) (11%), *Musanga cecropioides* R.Br. & Tedlie (African corkwood tree, umbrella tree) (8%), *Ficus leprieuri* Miq., 1867 (8%), *Myrianthus arboreus* P.Beauvois, 1805 (giant yellow mulberry, bush pineapple, corkwoord) (5%), *Elaeis guineensis* Jacq. (African oil palm, macaw-fat) (3%), *Ficus wildemanniana* Warb. (3%), *Musa* sp. (3%).
First mild rain season (December - February): *Musanga cecropioides* (40%), *Elaeis guineensis* (20%), *Myrianthus arboreus* (13%), *Carica papaya* (13%), *Ficus wildemanniana* (7%), *Ficus vallis-choudae* Delile (7%).
Second heavy rain season (March - May): *Carica papaya* (23%), *Dacryoides edulis* H.J. Lam (safou, African pear, bush pear, Nsafu, bush butter tree, butterfruit) (15%), *Musanga cecropioides* (15%), *Myrianthus arboreus* (8%), *Elaeis guineensis* (8%), *Oncoba welwitschii* Oliv. (8%), *Ficus* sp3 (8%), *Musa* sp. (8%), *Ficus leprieuri* (7%).
"Dry" season (June - August): *Ficus wildemanniana* (100%).

POPULATION:
Structure and Density - This is a common species (Mickleburgh *et al.*, 2008by; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008by; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
For a selection of sounds, check http://macaulaylibrary.org/search?taxon=Epomops franqueti&taxon_id=11069435&taxon_rank_id=67&tab=audio

REPRODUCTION AND ONTOGENY:
From southern Sudan, Bates (1905: 72) reports on two females (probably of this species) carrying a half-grown young on 31 August and 1 September.

A male with probably active testes was caught on 2-3 November in Pointe Noire (Congo) by Bergmans (1979a: 171), and a lactating female with an embryo was captured in Brazzaville on 23 December. Furthermore, females with developed nipples were collected in March, May, November and December.

MATING:
Brosset (1966c) and Bradbury (1977) [in McCracken and Wilkinson (2000: 349)] indicate that males establish nocturnal display sites where females visit males for mating.

PARASITES:
BACTERIA
Gram-negative bacterium - Nowak *et al.* (2017: 6) tested three bats from the Republic of Congo of which two tested positive for *E. coli*.

HAEMOSPORIDA
Lutz *et al.* (2016: 9) examined 52 *E. franqueti* specimens from East Africa and found 35 of them infected with *Hepatocystis* sp. Perkins and Schaer (2016: Suppl.) refer to the presence of *Hepatocystis brosetti* in Gabon, from where it was described by Miltgen *et al.* (1977: 589).

DIPTERA
Nycteribiidae: *Basila tenuispina* Theodor 1957 from Stanleyville, Congo (Democratic Republic of the) (Haeselbarth *et al.*, 1966: 111).

ACARI
Teinocoptidae: *Teinocoptes epomophori* Rodhain,

1923 was reported from an *E. franqueti* specimen from Stanleyville (=Kisangani), DRC by Fain (1967: 367).

VIRUSES:
Willoughby *et al.* (2017: Suppl.) report the following viruses: Marburg marburgvirus, Rift Valley fever phlebovirus, Shamonda orthobunyavirus, Zaire ebolavirus.

Bunyaviridae
Phlebovirus
de Jong *et al.* (2011: 11) and Luis *et al.* (2013: suppl.) report the occurrence of Rift Valley fever virus.

Nairovirus
Of the 99 specimens from Gabon and Congo tested by Müller *et al.* (2016: 3), 7 were positive for Crimean Congo hemorrhagic fever virus (CCHFV).

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 to 1999 five individuals from Bandundu Province, DRC for antibody to SARS-CoV in sera, none were found to be positive (0/5).
Anthony *et al.* (2017b: Suppl.) mention the beta-coronavirus Eidolon_bat_CoV.

Filoviridae - Filo viruses
Ebolavirus
Pourrut *et al.* (2007) found homogeneous ZEBOV [Zaire Ebolavirus] infection in the wild populations of *E. franqueti* in Gabon and the Democratic Republic of the Congo. Eight out of 117 bats had immunoglobulin G (IgG) specific for Ebola in Gabon during a test performed by Leroy *et al.* (2005: 575). 10 out of 27 bats were found to be positive for EBOV antibodies in the Greater Accra region, Ghana (Hayman *et al.*, 2012d: 1208).

Bausch and Schwarz (2014: 1) and Pigott *et al.* (2014: 9) indicate that *E. franqueti* is one of the leading candidates for introducing Ebola in Guinea (together with *Hypsignathus monstrosus* and *Myonycteris torquata*). However, no proof has been provided that this was indeed the case.

Marburgvirus
Towner *et al.* (2007) tested 296 individuals from Gabon for Marburg virus RNA by conventional and real-time RT-PCR and 47 individuals for anti-Marburg virus IgG antibodies by ELISA; no positives were found.

Flaviviridae
Flavivirus
Maganga *et al.* (2014a: 5) tested 128 bats from Congo, of which 2 tested positive.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that none of the 100 specimens they examined from Gabon, Congo, Ghana and the Central African Republic tested positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

In their overview table, Maganga *et al.* (2014a: 8) report that the following viruses were already found on *E. franqueti*: Zaire Ebola virus (ZEBOV), Reston Ebola virus, Marburg virus (MBGV), Flavivirus.

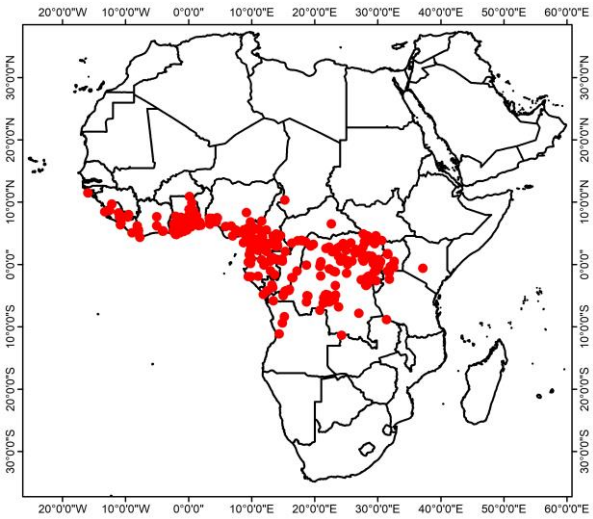

Figure 30. Distribution of *Epomops franqueti*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea-Bissau, Kenya, Liberia, Nigeria, Rwanda, Sierra Leone, South Sudan, Tanzania, Togo, Uganda, Zambia.

Genus ***Hypsignathus*** H. Allen, 1862

*1862. *Hypsignathus* H. Allen, Proc. Acad. nat. Sci. Philad., 13 (11): 156 (for 1861). Publication date: 1862 [Goto Description]. - Comments: Type species: *Hypsignathus monstrosus* H. Allen, 1861. Publication date: Volume 13 issue 11 covers the meetings of June-July 1861, but was probably only printed in 1862. - Etymology: From the Greek "*υψι*", meaning on high or aloft and "*γνάθος*", meaning jaw, possibly referring to the 'deeply arched mouth' (see Palmer, 1904: 343). (Current Combination)
1862. *Sphyrocephalus* A. Murray, Proc. zool. Soc. Lond., 1862, I: 8. Publication date: June 1862

[Goto Description]. - Comments: Type species: *Sphyrocephalus labrosus* Murray,1862 (=*Hypsignathus monstrosus* H. Allen, 1861). Preoccupied by *Sphyrocephala* Westwood, 1848, a dipteran and *Sphyrocephalus* Schmarda, 1859, a turbellarian (see Palmer, 1904: 642; Langevin and Barclay, 1990: 1). Andersen (1912b: 501 - footnote) also mentions "Murray probably originally intended to name this genus *Zygænocephalus* in allusion to the Hammer-headed Sharks *Zygæna*, and had that name printed on the plate, but for some reason or other changed it in the text to *Sphyrocephalus*.". - Etymology: From the Greek "*σφύρα*", meaning hammer and "*κεφαλή*", meaning head (see Palmer, 1904: 642; Murray, 1862: 8).

1862. *Zygænocephalus* A. Murray, Proc. zool. Soc. Lond., 1862, I: pl. 1. Publication date: June 1862. - Comments: Type species: *Zygænocephalus labrosus* Murray,1862 (=*Hypsignathus monstrosus* H. Allen, 1861). This name was attached to the plate illustrating Murray's description of *Sphyrocephalus* and serves as a replacement for *Sphyrocephalus* Murray, 1862: see Langevin and Barclay (1990: 1). - Etymology: From the Greek "*ξύγαινα*", a hammer-headed shark and "*κεφαλή*", meaning head (see Palmer, 1904: 717).

? *Epomophorus (Hypsignathus):* (Name Combination)

? *Hypsygnathus:* (Lapsus)

TAXONOMY:
Revised by Bergmans (1989). See Simmons (2005: 324).

Included in the Epomophorinii tribe by Bergmans (1997: 69) and Almeida *et al.* (2016: 83), which was considered part of the Epomophorinae by the former and of the Rousettinae by the latter.

Known species of *Hypsignathus*: ***monstrosus*** H. Allen, 1861.

COMMON NAMES:
Czech: kladivohlaví kaloni. English: Hammer-headed bats. French: Hypsignates. German: Hammerkopf-Flughunde.

Hypsignathus monstrosus H. Allen, 1862

*1862. *H[ypsignathus] monstrosus*H. Allen, Proc. Acad. nat. Sci. Philad., 13 (11): 157 (for 1861). Publication date: 1862. Type locality: "Africa": Western Africa: possibly Gabon (see Andersen, 1912b: 506). [Goto Description]. - Comments: Type specimen collected by Mr. Du Chaillu (Murray, 1862: 8); Allen (1861: 158) mentions the name as Duchaillu. Andersen (1912b: 508) mentions the type specimen as being an adult ♂, SS, in the collection of the Philadelphia museum. Publication date: Volume 13 issue 11 covers the meetings of June-July 1861, but was probably only printed in 1862, as Murray (1862: 8) indicates that he received a copy of this publication on 19 February 1862. But we also found a reference to issue 23 of volume 13 (for the meeting of 26 November 1861) having been published on 31 December 1861, which might indicate that issue 11 might have been published in 1861. (Current Combination)

1862. *Sphyrocephalus labrosus* A. Murray, Proc. zool. Soc. Lond., 1862, I: 8. Publication date: June 1862. Type locality: Nigeria: Eastern region: Old Calabar river [ca. 04 56 N 08 22 E] [Goto Description]. Holotype: BMNH 1862.1.23.1[b]: ad ♂, skull and alcoholic. Collected by: Reverend William C. Thomson. Presented/Donated by: Mr. A. Murray Esq. - Comments: The publication contains 14 January 1862 as date, but see Duncan (1937) for the actual publication date.

1862. *Zygaenocephalus labrosus:* A. Murray, Proc. zool. Soc. Lond., 1862, I: pl. 1. Publication date: June 1862. (Name Combination)

1876. *Epomophorus macrocephalus* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 474. Type locality: Gabon: Dongila. - Comments: Not of Ogilby (see Andersen, 1912b: 507).

1879. *Epomophorus monstrosus:* Dobson, Proc. zool. Soc. Lond., 1878, IV: 879. Publication date: April 1879. (Name Combination)

1896. *Epomophorus (Hypsignathus) monstrosus:* Pousargues, Ann. Sci. Nat., (8) 3: 250. (Name Combination)

1899. *Hypsignathus haldemani* Matschie, Sber. Ges. naturf. Freunde Berlin, 29. - Comments: Not *Pteropus haldemani* Halowell, 1846: See Langevin and Barclay (1990: 1).

1968. *Epomophorus monstruosus:* Andral, Brès, Sérié, Casals and Panthier, Bull. Wld. Hlth.

Org., 38 (6): 860. (Lapsus)
1978. *Hypsignathus monstrousus:* Germain, Elsevier / North-Holland Biomedical Press - Amsterdam, 133. (Lapsus)
? *Epomophorus (Hypsignathus) monstrosus:* (Name Combination)
? *Hypsignathus monstrosus:* (Current Combination)
? *Hypsygnathus monstrosus:* (Lapsus)

TAXONOMY:
See Langevin and Barclay (1990), Bergmans (1989) and Simmons (2005: 324).

COMMON NAMES:
Czech: kaloň kladivohlavý, kaloň štítohlavý. English: Hammer-headed bat, Hammer-headed Fruit Bat. French: Hypsignathe monstrueux, Chien volant à tête en marteau, chauve-souris à tête de marteau. German: Hammerkopf, Hammerkopf-Flughund. Kinande (DRC): Mulina. Spanish (Castillian): Cabeza Martillo. Tanoboase (Ghana): ahwenekron. Vai (Liberia): Tuña.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008az; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008az; IUCN, 2009). 2004 - LC ver 3.1 (2001) (IUCN, 2004; Mickleburgh *et al.*, 2004bw). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is locally threatened by habitat destruction, particularly the loss of riverine forests. In parts of its range it is hunted for subsistence food (Mickleburgh *et al.*, 2008az; IUCN, 2009).

Duke (1934: 74) provided some suggestions on how to shoot this bat as this seemed to be the only way to get rid of its terrible noice.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008az) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It has been recorded from Tai National Park (Côte d'Ivoire) and in view of its wide range, is presumably present in some other protected areas. Further studies are needed into the distribution of this species.

GENERAL DISTRIBUTION:
Hypsignathus monstrosus is widespread in West and Central Africa. It ranges from Guinea-Bissau in the west, to northwestern Angola in the south, and as far east as western Ethiopia and western Kenya (near Lake Victoria). It has been recorded to at least 1,800 m asl.

Native: Angola (Crawford-Cabral, 1989; Bergmans, 1989; Monadjem *et al.*, 2010d: 554); Benin; Burkina Faso (Kangoyé *et al.*, 2015a: 605); Cameroon; Central African Republic (Hayman *et al.*, 1966; Morvan *et al.*, 1999: 1195; Monadjem *et al.*, 2010d: 554); Congo (King and Dallimer, 2010: 65; Bates *et al.*, 2013: 333); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 554); Côte d'Ivoire (Heim de Balsac, 1934b: 24); Equatorial Guinea; Ethiopia (Lavrenchenko *et al.*, 2004b: 131); Gabon; Ghana (Decher and Fahr, 2007: 11); Guinea (Denys *et al.*, 2013: 281); Guinea-Bissau (Rainho and Ranco, 2001: 21); Kenya; Liberia (Monadjem and Fahr, 2007: 50); Nigeria (Happold, 1987; Capo-Chichi *et al.*, 2004: 161); Sierra Leone (Grubb *et al.*, 1998); Sudan; Togo; Uganda (Kityo and Kerbis, 1996: 59).
Presence uncertain: Gambia.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
The peculiar head of the males of this species, made Johnston (1906: 689) describe it as: "In these bats [Epomophori] the head is unusually large and long; but it is so monstrous and hideous in the biggest of the sub-family - the hammer-headed bat, *Hypsignathus* - as to provoke the appropriate specific term of *monstrosus*. This animal is the creation of a nightmare imagination. It might be recommended to the designers of an instructive pantomime or Wagnerian opera." Duke (1934: 72) compares its head with the gargoyles of the Nôtre Dame, and described it as half hippo, half horse.

From western Uganda, Monadjem *et al.* (2011: 30) reported the following data: Fa: 115.7 mm, mass: 211 g, wing loading: 21.2 N/m^2, aspect ratio: 5.8.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
Eisenberg and Wilson (1978: 744) indicate that the cranial volume of *H. monstrosus* is slightly smaller than was expected from a regression line they calculated for all frugivorous bats. The lower score could be linked with the partially carnivorous diet of these bats as found by Van Deusen (1968).
Davies *et al.* (2013a: 4) provide an illustration of the bony labyrinth of *H. monstrosus*'s inner ear.

DETAILED MORPHOLOGY:
The average brain mass for two *H. monstrosus* specimens was found to be 3.81 g (Chawana *et al.*, 2013: 160).

FUNCTIONAL MORPHOLOGY:
The study of Coimbra *et al.* (2016: 191) found that the eye of *H. monstrosus* possesses a bright yellow tapetum lucidum, which covers almost the entire extension of its dorsal hemisphere. Its retinal area is about 200 mm^2 and contains about 3000,000 retinal ganglion cells. The minimum angle of resolution was approximately 0.122° (ca. 40 mm at 10 m distance).

Kawashima *et al.* (2017: 48) examined the postcranial skeleton of six *H. monstrosus* specimens and found that five had 15 thoracic vertebrae and one had 14; all had seven cervical, three lumbal and four sacral vertebrae.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Peterson and Nagorsen (1975) and Haiduk *et al.* (1980; 1981: 225) reported 2*n* = 36, FN = 68, BA = 34, a subtelocentric X chromosome and a subtelocentric Y chromosome for specimens from Kenya and Cameroon, respectively. 2*n* = 36 was also reported by Primus *et al.* (2006).
Protein / allozyme - Unknown.

ROOST:
During the day, *H. monstrosus* roosts in trees, in most cases as singles of either sex, but also in mixed sex groups of up to 17 individuals. Males typically roost at the periphery of larger groups (see Bradbury, 1977).

DIET:
Duke (1934: 72) indicates that *H. monstrosus* starts to feed soon after dark, and that it eats fruits of various kinds, especially guavas and certain kinds of wild figs. Gautier-Hion and Michaloud (1989: 1829) reported that 88 % of 133 oral swabs and fecal samples analysed from May to October in Makokou (Gabon) contained figs. They reported (p. 1831) that females forage at about 1 to 4 km from their roosts, whereas males travel up to 10 km, and also that figs only form 38 % of the females diet against 58 % in males.

Van Deusen (1968) [in Courts (1998: 190)] observed this bat attacking live chickens and scavenging the carcasses of small birds.

Seltzer *et al.* (2013: table S2) provided an overview of the plant species found beneath bat feeding roosts. For *H. monstrosus* this included *Milicia excelsa* (Welw.) C. C. Berg (African Teak - Moraceae).

From the Kisangani area (DRC), Gembu Tungaluna (2012: 99 - 100) reported the following fruits being eaten during the various seasons: First heavy rain season (September - November): *Persea americana* Mill., 1786 (avocado) (21%), *Annonidium mannii* (Oliv.) Engl. & Diels (Junglesop) (18%), *Carica papaya* L. (papaya) (14%), *Dacryoides edulis* H.J. Lam (safou, African pear, bush pear, Nsafu, bush butter tree, butterfruit) (14%), *Spondias cytherea* Sonnerat, 1782 (Ambarella, otaheite apple, great hog plum) (11%), *Uapaca guineensis* Müll.Arg., 1864 (Sugar plum, red cedar, false mahogany, rikio) (7%), *Myrianthus arboreus* P.Beauvois, 1805 (giant yellow mulberry, bush pineapple, corkwood) (4%), *Elaeis guineensis* Jacq. (African oil palm, macaw-fat) (4%), *Ficus wildemanniana* Warb. (4%), *Ficus leprieuri* Miq., 1867 (3%).
First mild dry season (December - February): *Myrianthus arboreus* (50%), *Musanga cecropioides* R.Br. & Tedlie (African corkwood tree, umbrella tree) (50%).
Second heavy rain season (March - May): *Musanga cecropioides* (75%), *Ficus leprieuri* (25%).
No data for the "Dry" season (June - August).

PREDATORS:
Neil (2017: 131) reported on a hammer-headed fruit bat being captured by a Long-tailed hawk, *Urotriorchis macrourus* (Hartlaub, 1855) in Gabon. The hawk left its wounded prey on the ground, after which the bat was able to escape.

POPULATION:
Structure and Density - It is a locally common species. Roosts can contain as many as 25 bats, but the average roost size is fewer than five animals (Mickleburgh *et al.*, 2008az; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008az; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Bradbury (1977) observed females hover in front of selected males before copulation.

Carpenter (1986: 90) and McGuire and Guglielmo (2009: 1291) reported that the respiratory quotient for this species indicates that fat provided 77 - 92 % of the fuel during flight, and a decline in respiratory quotient during long flights may prove that fat is indeed the only fuel source following initial carbohydrate use. Carpenter (1986: 93) also indicates that at airspeeds of 5.5 m/s the heart beats at a frequency of 620 beats per minute, whereas the respiration rate is 293 breadths per minute.

The courtship calls, which likely have a territorial function, consist of a simple syllable type in series (Bradbury, 1977 in Smotherman *et al.*, 2016: 538).

For a selection of sounds, check http://macaulaylibrary.org/search?taxon=Hypsignathus monstrosus&taxon_id=11075759&taxon_rank_id=67&tab=audio

REPRODUCTION AND ONTOGENY:
Tuttle and Stevenson (1982: 120, 121) indicate that females attain sexual maturity at 5 to 6 months of age, whereas males need 18 months. Kurta and Kunz (1987: 82) report that, at birth, the young weights about 16.2 % of the mother's body mass (38.0 g versus 234.0 g).

MATING:
Bradbury (1977) reported that *H. monstrosus* exhibit lek behaviour at their mating sites: Males form large choruses during the night that are visited by females, and they respond to the presence of females by increasing the repetition rate of their calls and by moving their wings. He also found that females favor larger males with bulbous muzzles and enormous hypertrophied larynxes, which are acting as resonating chambers. Male sites are spaced about 10 m apart, and individual males use the same site every night.

Bradbury (1977) [in Fasel *et al.* (2016: 2)] reported on uneven copulation rates, whereby harem males mate at a higher frequency than other males.

PARASITES:
BACTERIA
Gram-negative bacterium - Nowak *et al.* (2017: 6) tested two bats from the Republic of Congo, both of which were positive for *E. coli*.

HAEMOSPORIDA
Ayala *et al.* (1981: 21) examined blood smears from 142 *H. monstrosus* specimens from Gabon, and found 139 of them to be infected by hemosporidian parasites of the genus *Hepatocystis*. They also indicate that the bats probably became infected before the age of six months and that the infection rate varied according to sex, age and female reproductive status. Schaer *et al.* (2013a: 17416) report the same parasites in five out of 10 investigated bats. Perkins and Schaer (2016: Suppl.) mention *Hepatocystis carpenteri*, described by Miltgen *et al.* (1980), from Gabon and *H. epomophori* and *H.* sp. from various countries.

Hepatocystis gametocytes were reported from this bat for the first time in the DRC by Rodhain (1913), although he referred the bats erroneously to *Epomops franqueti franqueti* (see Miltgen *et al.*, 1977: 595).

Hepatocystis parasites were also found in the single *Hypsignathus* sp. from South Sudan examined by Schaer *et al.* (2017: 2).

ACARI
Fain (1967: 364) reported *H. monstrosus* from Epulu, DRC as new host for *Teincoptes auricularis* Fain, 1959 (Acari: Teinocoptidae). The parasites were found around the nipples of the host.

VIRUSES:
Willoughby *et al.* (2017: Suppl.) report the following viruses: Lagos bat lyssavirus, Marburg marburgvirus, Mokola lyssavirus, Nipah henipavirus, Reston ebolavirus, Zaire ebolavirus.

Bunyaviridae
Nairovirus
Only one of the 101 specimens from Gabon and Congo tested by Müller *et al.* (2016: 3) was positive for Crimean Congo hemorrhagic fever virus (CCHFV).

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, 11 individuals from Bandundu Province, DRC for antibody to SARS-CoV in sera, one was found to be positive (9.1 %).

Filoviridae - Filo viruses
Ebolavirus
Pourrut *et al.* (2007) found homogeneous ZEBOV [Zaire Ebolavirus] infection in the wild populations of *H. monstrosus* in Gabon and the Democratic Republic of the Congo. Hayman *et al.* (2010) tested the blood of 3 adult females from Ghana for Ebola virus using indirect flurescent tests for antibodies against EBOV subtype Zaire, none tested positive. However, Hayman *et al.* (2012d: 1208) found 7 out of 16 bats to be positive for EBOV antibodies in Ghana's Greater Accra region. Four out of 17 bats had immunoglobulin G (IgG) specific for Ebola in Gabon during a test performed by Leroy *et al.* (2005: 575).

Bausch and Schwarz (2014: 1) and Pigott *et al.* (2014: 8) indicate that *H. monstrosus* is one of the leading candidates for introducing Ebola in Guinea (together with *Epomops franqueti* and *Myonycteris torquata*). However, no proof has been provided that this was indeed the case.

Marburgvirus
Towner *et al.* (2007) tested 56 individuals from Gabon for Marburg virus RNA by conventional and real-time RT-PCR and 12 individuals for anti-

Marburg virus IgG antibodies by ELISA; no positives were found. Hayman *et al.* (2010) tested the blood of 3 adult females from Ghana for Marburg virus using indirect flurescent tests for antibodies against MARV subtype Leiden, none tested positive.

Peterson *et al.* (2007: 1547) indicate that the geographic distribution of *H. monstrosus* covers the entire range of the Ebola virus, but not that of the Marburg virus.

Henipaviridae
Henipavirus
Krüger *et al.* (2013: 13889) demonstrated that the surface glycoproteins F and G of an African henipavirus (M74) induce syncytium formation in a kidney cell line derived from *H. monstrosus*.

Paramyxoviridae
Hayman *et al.* (2008b) detected antibodies Nipah virus in one bat collected in Ghana in 2007.
Drexler *et al.* (2012a: Suppl. Table S1) reported that 2 out of 4 specimens they examined from Gabon, Congo, Ghana and the Central African republic tested positive for *Henipavirus* and *Rubulavirus*.

In their overview table, Maganga *et al.* (2014a: 8) reported that the following viruses were already found on *H. monstrosus*: Zaire Ebola virus (ZEBOV), Reston Ebola virus, Marburg virus (MBGV), Coronavirus (SARS-CoV), Nipah virus (NPHV).

UTILISATION:
Bobo and Ntumwel (2010: 232) report that in the Korup area of Cameroon the whole animal is used for medicinal purposes, as it would render women fertile when consumed.

ANTHROPOPHILOUS:
Jeffreys (1944: 73) [referring to Goddard (1925)] mentions "From Sierra Leone comes an account of the gruesome habits of the large fruit bat. 'One of the most uncanny superstitions is that of the 'Boman' in which anthropologists will recognise the vampire of European superstition. This creature is said to suck the blood of sleeping children until they die: it can turn into a stone or snake at will. The 'Boman' is in reality the hammer-headed bat (*Hypsignathus monstrosus*), the largest fruit bat found in Africa; its dull and monotonous cry at the time when fruit is ripening has struck terror into many a village, whose inhabitants will sally forth from their houses and beat tins to drive it away, cursing its father and mother and all its ancestors the while.'"

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Burkina Faso, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Nigeria, Sierra Leone, South Sudan, The Gambia, Togo, Uganda.

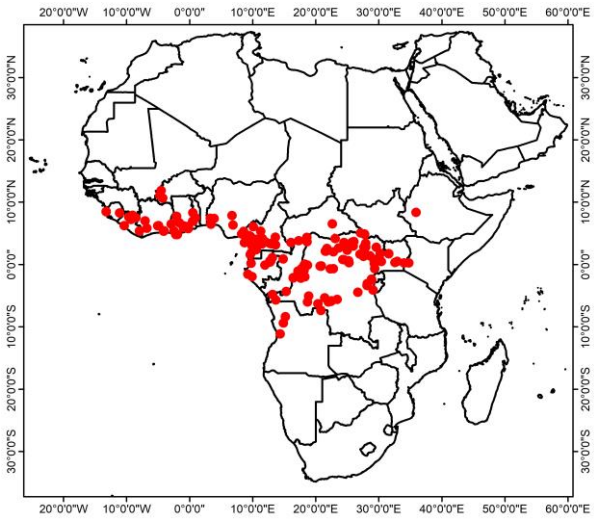

Figure 31. Distribution of *Hypsignathus monstrosus*

Genus ***Megaloglossus*** Pagenstecher, 1885

*1885. *Megaloglossus* Pagenstecher, Zool. Anz., 8 (193): 245. Publication date: 27 April 1885 [Goto Description]. - Comments: Type species: *Megaloglossus woermanni* Pagenstecher, 1885. - Etymology: From the Greek "*μέγας*" or "*μέγαλο*", meaning great or large and "*γλοσσα*", meaning tongue (see Palmer, 1904: 405). (Current Combination)

1891. *Trygenycteris* Lydekker, in: Flower and Lydekker, Mammals Living and Extinct, 655. - Comments: Type species: *Megaloglossus woermanni* Pagenstecher, 1885. Proposed to replace *Megaloglossus*, thought to be preoccupied by *Megaglossa* Rondani, 1865 (Diptera): see Allen (1939a: 63). - Etymology: From the Greek "*τρύγη*", meaning ripe fruit and "*νυκτερίς*", meaning bat (see Palmer, 1904: 696).

TAXONOMY:
Reviewed by Hill (1983).

Bergmans (1997: 69) suggests that *Megaloglossus* should be included in the tribe Myonycterini Lawrence & Novick, 1963 (together

with the genera *Myonycteris* and *Lissonycteris*), within the subfamily Epomophorinae, and not within the Macroglossinae.

Included in the Myonycterini tribe by Bergmans (1997: 69) and Almeida *et al.* (2016: 83), which was considered part of the Epomophorinae by the former and of the Rousettinae by the latter.

Known species of *Megaloglossus*: ***azagnyi*** Nesi, Kadjo and Hassanin, 2012. ***woermanni*** Pagenstecher, 1885.

COMMON NAMES:
Czech: dlouhojazyční kaloni. English: African Long-tongued Fruit-bats, African Nectar Fruit-bats. French: Mégaloglosses. German: Afrikanische Langzungen-Flughunde.

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012

*2012. *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, in: Nesi, Kadjo, Pourrut, Leroy, Pongombo Shongo, Cruaud and Hassanin, Mol. Phylogenet. Evol., 66(1): 134. Type locality: Côte d'Ivoire: Lagunes region, Azagny National Park [0613007N 0501532W, 125m] [Goto Description]. Holotype: MNHN ZM-2011-993: ad ♀, alcoholic (skull not removed). Collection date: 5 December 2009; original number: G09095. Presented/Donated by: [No Name]. Locality: Côte d'Ivoire; Lagunes region; Azagny National Park; 0613007N 0501532W. Paratype: MNHN ZM-2011-1000: ad ♂. Locality: Côte d'Ivoire; Azagny, near; Gboyo. Paratype: MNHN ZM-2011-1001: sad ♀. Locality: Côte d'Ivoire; Azagny, near; Gboyo. Paratype: MNHN ZM-2011-1002: ad ♀. Locality: Côte d'Ivoire; Lagunes region; Azagny National Park; 0613007N 0501532W. Paratype: MNHN ZM-2011-994: ad ♀. Locality: Côte d'Ivoire; Lamto Reserve. Paratype: MNHN ZM-2011-995: ad ♀. Locality: Côte d'Ivoire; Lamto Reserve. Paratype: MNHN ZM-2011-996: ad ♀. Locality: Côte d'Ivoire; Lagunes region; Azagny National Park; 0613007N 0501532W. Paratype: MNHN ZM-2011-997: sad ♀. Locality: Côte d'Ivoire; Lagunes region; Azagny National Park; 0613007N 0501532W. Paratype: MNHN ZM-2011-998: ad ♂. Locality: Côte d'Ivoire; Lagunes region; Azagny National Park; 0613007N 0501532W. Paratype: MNHN ZM-2011-999: ad ♀. Locality: Côte d'Ivoire; Lagunes region; Azagny National Park; 0613007N 0501532W. Paratype: MNHN ZM-G09052: sad ♀. Locality: Côte d'Ivoire; Lamto Reserve. Paratype: MNHN ZM-G09070: ad ♂. Locality: Côte d'Ivoire; Lagunes region; Azagny National Park; 0613007N 0501532W. Paratype: MNHN ZM-G09133: ad ♀. Locality: Côte d'Ivoire; Azagny, near; Gboyo. Paratype: MNHN ZM-GAN005:. Locality: Liberia; Mt. Nimba. Paratype: MNHN ZM-GAN028:. (Current Combination)

TAXONOMY:
Nesi *et al.* (2012) examined cytochrome *b* sequences and found West African *Megaloglossus* to be significantly different from Central African specimens.

COMMON NAMES:
German: Westlicher Woermanns Langzungen-Flughund.

GENERAL DISTRIBUTION:
This species occurs in Côte d'Ivoire, Liberia, and probably Guinea and Sierra Leone to Ghana and Togo.

In their study, Nesi *et al.* (2012) did not include specimens from the area between the Dahomey Gap and the Niger delta, but Herkt *et al.* (2017: Appendix S9) found their maps predicted moderately high habitat suitability for *M. azagnyi* in this area whereas suitability for *M. woermanni* was estimated to be very low. Therefore, they assigned the specimens from this area to *M. azagnyi*.

Native (mostly reported as *M. woermanni*): Benin; Côte d'Ivoire (Heim de Balsac, 1934b: 24); Ghana (Decher and Fahr, 2007: 12); Liberia (Monadjem *et al.*, 2016y: 364); Nigeria (West of the Niger Delta); Sierra Leone; Togo.

HABITAT:
In the Mount Nimba area, Happold (2013dh: 364) report this species to occur in old growth or secondary forest at relatively low altitudes (450 - 690 m) on both the Liberian and Guinean sides.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Côte d'Ivoire, Ghana, Liberia, Nigeria, Sierra Leone, Togo.

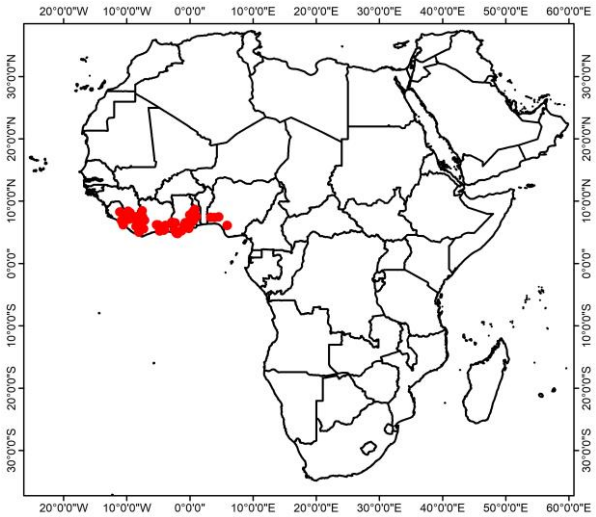

Figure 32. Distribution of *Megaloglossus azagnyi*

Megaloglossus woermanni Pagenstecher, 1885

*1885. *Megaloglossus woermanni* Pagenstecher, Zool. Anz., 8 (193): 245. Publication date: 27 April 1885. Type locality: Gabon: Ssibange farm [00 25 N 09 28 E] [Goto Description]. Holotype: ZMB 54589: ad ♀, mounted skin and skull. Collected by: H. Soyaux; collection date: 21 January 1885; original number: 9489. Bergmans (1997: 60, 63) mentions old number "9489", but this is a writing error in the file card; see Turni and Kock (2008). - Etymology: In honour of Mr. Adolf Woermann (see Pagenstecher, 1885c: 128). (Current Combination)

1966. *Megaloglossus woermanni prigoginei* Hayman, in: Hayman, Misonne and Verheyen, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., (8) 154: 26. Type locality: Congo (Democratic Republic of the): Kiliza [03 42 S 28 10 E, 1 370 m]. Holotype: RMCA 32577: ad ♂, skin and skull. Collected by: Dr. Alexandre Prigogine; collection date: 25 May 1964; original number: 1248. See Bergmans (1997: 60). Paratype: RMCA 20429: ♂. Collected by: Dr. Alexandre Prigogine; original number: 494. Paratype: RMCA 21586: Collected by: Schepens; original number: 6. Paratype: RMCA 32394: juv ♀. Collected by: Dr. Alexandre Prigogine; original number: 1226. Paratype: RMCA 32578: ♀. Collected by: Dr. Alexandre Prigogine; original number: 1249. Paratype: RMCA 32579: ♀. Collected by: Dr. Alexandre Prigogine; original number: 1250. Paratype: RMCA 32580: ♀. Collected by: Dr. Alexandre Prigogine; original number: 1251. Paratype: RMCA 32581: ♀. Collected by: Dr. Alexandre Prigogine; original number: 1252. Paratype: RMCA 32582: ♀. Collected by: Dr. Alexandre Prigogine; original number: 1253. Paratype: RMCA 32583: ♀. Collected by: Dr. Alexandre Prigogine; original number: 1254.

1993. *prigoginii:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 154. (Lapsus)

2003. *Megaloglossus woermani:* Giannini and Simmons, Cladistics, 19 (6): 508. (Lapsus)

? *Megaloglossus woermanni woermanni:* (Name Combination)

TAXONOMY:
See Bergmans and Van Bree (1972), Bergmans (1997) and Simmons (2005: 326 - 327).

COMMON NAMES:
Czech: kaloň dlouhojazyčný. English: Woermann's Long-tongued Fruit-bat, Woermann's Bat, Woermann's Fruit bat, Nectar Bat, African Long-tongued Bat. French: Macroglosse de Woermann, Mégaloglosse de Woermann. German: Woermanns Langzungen-Flughund, Afrikanischer Langzungen-Flughund. Spanish (Castillian): Murciélago de Lengua Larga.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008p; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*,

2008p; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004w; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
It is locally threatened by habitat loss and degradation, often resulting from conversion of land to agricultural use or the harvesting of timber and firewood (Mickleburgh *et al.*, 2008p; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008p) [in IUCN (2009)] report that there appear to be no direct conservation measures in place, however, in view of the species wide range it seems possible that it is present within some protected areas. Further studies are needed into the distribution and natural history of this species.

GENERAL DISTRIBUTION:
Megaloglossus woermanni was formerly considered to occur throughout much of West and Central Africa. However, Nesi *et al.* (2012) assigned the West African specimens to a separate species, restricting the distribution area to Cameroon and from here south and east into Equatorial Guinea, Congo, Central African Republic, Democratic Republic of the Congo, Angola and western Uganda.

In their study, Nesi *et al.* (2012) did not include specimens from the area between the Dahomey Gap and the Niger delta, but Herkt *et al.* (2017: Appendix S9) found their maps predicted moderately high habitat suitability for *M. azagnyi* in this area whereas suitability for *M. woermanni* was estimated to be very low. Therefore, they assigned the specimens from this area to *M. azagnyi*.

Native: Angola (Crawford-Cabral, 1989; Bergmans, 1997; Monadjem *et al.*, 2010d: 554); Cameroon; Central African Republic (Morvan *et al.*, 1999: 1195); Congo (King and Dallimer, 2010: 65); Congo (The Democratic Republic of the) (Schouteden, 1944; Dowsett *et al.*, 1991: 259; Bergmans, 1997; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 554); Equatorial Guinea (Fahr and Ebigbo, 2003: 128); Gabon; Nigeria (East of the Niger delta); Uganda (Kityo and Kerbis, 1996: 58).

Presence uncertain: Bioko.

DETAILED MORPHOLOGY:
Chawana *et al.* (2013: 160) indicate that the average brain mass is 0.60 g (n = 2).

FUNCTIONAL MORPHOLOGY:
Coimbra *et al.* (2016: 191) mention that the retinal area covers about 40 - 50 mm^2. The eye contains about 90,000 retinal ganglion cells. The minimum angle of resolution was about 0.227° (ca. 8 mm at 1 m distance).

MOLECULAR BIOLOGY:
DNA - Hollar and Springer (1997), Juste B. *et al.* (1999), Teeling *et al.* (2000), Colgan and da Costa (2002) and Cantrell *et al.* (2008).
Karyotype - Haiduk *et al.* (1980, 1981: 228) reported 2*n* = 34, FN = 62, BA = 30, a metacentric X chromosome and a metacentric Y chromosome for specimens from Cameroon. The same karyotype was reported by Primus *et al.* (2006) for specimens from Gabon.
Protein / allozyme - Unknown.

HABITAT:
Juste B. and Perez del Val (1995: 144) found *M. woermanni* to occur to 1,800 m altitude on Bioko Island, where it occurred more frequently in cultivated areas than in lowland rainforests.

HABITS:
Weber *et al.* (2009) found that spatial use was characterized by small home ranges and high site-fidelity, mean home range sizes (minimum convex polygon) were larger in females (139.0 and 146.8 ha) than in males (99.8 and 102.9 ha) in Lama Forest Reserve, southern Benin.

Kulzer and Storf (1980) [in Lovegrove (2011: 152)] indicate that *M. woermanni* uses daily torpor.

DIET:
Pettersson *et al.* (2004: 162) indicate that *M. woermanni* is the only nectar specialist in Africa, whereas there are 14 such specialists in Asia, Australia and Polynesia.

Weber *et al.* (2009) frequently observed *M. woermanni* visiting flowers of cultivated bananas.

POPULATION:
Structure and Density - It is a locally abundant species (Mickleburgh *et al.*, 2008p; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008p; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Czekala and Benirschke (1974: 220) mention an adult female, collected in January 1973 by M. Eisentraut, containing two foetuses of different size, probably due to implantation occurring at two different times (p. 229).

Two females collected in Dimonika (Congo) on 10 March were pregnant with a large embryo

(Bergmans, 1979a: 181).

VIRUSES:
Filoviridae - Filo viruses
Marburgvirus
Towner *et al.* (2007) tested 37 individuals from Gabon for Marburg virus RNA by conventional and real-time RT-PCR and 20 individuals for anti-Marburg virus IgG antibodies by ELISA; no positives were found.

Flaviviridae
Pegivirus (BPgV) - Quan *et al.* (2013: Table S5) reported 1 out of 3 examined specimens from the Democratic Republic of the Congo to be infected by clade H type *Pegivirus*.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) reported that one of the 34 specimens they examined from Gabon, Congo, the Democratic Republic of the Congo, the Central African Republic, and Ghana tested positive for a *Rubulavirus* that was found to be closely related to human mumps virus.

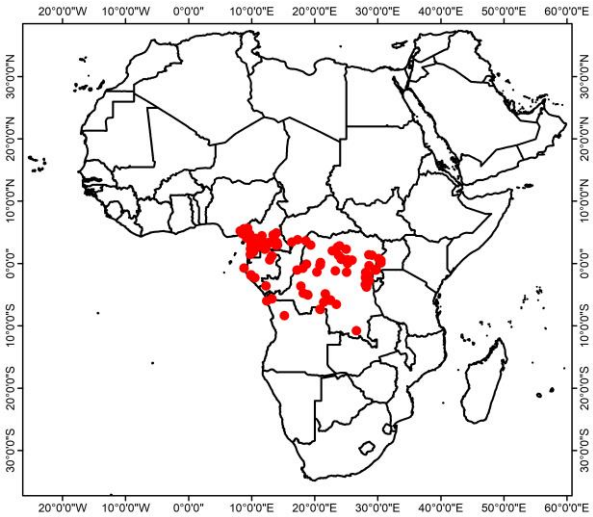

Figure 33. Distribution of *Megaloglossus woermanni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Equatorial Guinea, Gabon, Nigeria, Uganda.

Genus ***Micropteropus*** Matschie, 1899

*1899. *Micropteropus* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 36, 57 [Goto Description]. - Comments: Type species: *Epomophorus pusillus* Peters, 1867. Described as subgenus of *Epomophorus* Bennett, 1836. Matschie dated his introduction on 14 May 1899. - Etymology: From the Greek "*μικρός*", meaning small and "Pteropus", meaning wing-footed (see Palmer, 1904: 423; Owen-Ashley and Wilson, 1998: 4). (Current Combination)
1978. *Micropterus:* Arata and Johnson, in: Pattijn, Ebola Virus Haemorrhagic Fever, 135. (Lapsus)
? *Epomophorus:* - Comments: Not of Bennett, 1836.

TAXONOMY:
Revised by Bergmans (1989), who transferred *grandis* from this genus to *Epomophorus*. See Simmons (2005: 327).

Included in the Epomophorinii tribe by Bergmans (1997: 69) and Almeida *et al.* (2016: 83), which was considered part of the Epomophorinae by the former and of the Rousettinae by the latter.

Known species of *Micropteropus*: ***intermedius*** Hayman, 1963; ***pusillus*** (Peters, 1868).

COMMON NAMES:
Czech: nigerijští kaloni. English: Lesser Fruit-bats, Dwarf epauletted fruit bats. French: Microptères. German: Kleine Epauletten-flughunde.

PARASITES:
BACTERIA

Bartonellae
Kamani *et al.* (2014: 628) tested 11 Nigerian "*Micropterus*" sp., and found at least 6 of them testing positive for *Bartonella* DNA.

HAEMOSPORIDA
31 of the 35 (89 %) South Sudanese *Micropteropus* specimens examined by Schaer *et al.* (2017: 2) was infected by *Hepatocystis*.

DIPTERA
Nycteribiidae:
Kamani *et al.* (2014: 628) reported the presence of *Cyclopodia greeffi* Karsch, 1884 on "*Micropterus*" bats from Nigeria.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Côte d'Ivoire.

Micropteropus intermedius Hayman, 1963

1889. *Epomophorus pusillus:* Noack, Zool. Jb. Syst., 4: 206. - Comments: Not of Peters, 1868. Partim. See Kock (1987b: 220).
1953. *Micropteropus grandis:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 49. - Comments: Not of Sanborn, 1950. In part. See Kock (1987b: 220).
1956. *Micropterus grandis:* Leleup, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., 46: 76. - Comments: Not of Sanborn, 1950. (Lapsus)
*1963. *Micropteropus intermedius* Hayman, Publ. Cult. Comp. Diamantes Angola, Lisboa, 66: 100, fig. 8. Type locality: Angola: Lunda: Dundo [07 22 S 20 50 E] [Goto Description]. Holotype: BMNH 1962.2073: ad ♀, skull and alcoholic. Collected by: Dr. A. de Barros Machado; collection date: June - July 1953. (Current Combination)
1969. *Micropteropus pusillus:* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 24. - Comments: Not of Peters, 1868. In Part. See Kock (1987b: 220).
? *Micropterus (sic) intermedius:* (Name Combination, Lapsus)
? *Micropterus intermedius:* (Emendation)

TAXONOMY:
See Bergmans (1989) and Simmons (2005: 327).

COMMON NAMES:
Czech: kaloň Haymannův. English: Hayman's Lesser Fruit-bat, Hayman's Lesser Fruit Bat, Hayman's Dwarf Epauletted Fruit Bat, Hayman's Epauletted Fruit Bat. French: Microptère de Hayman, Roussette naine de Hayman. German: Haymans Kleiner Epaulettenflughund.

CONSERVATION STATUS:
Global -

Assessment History -
2008 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2008ba; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2004t; IUCN, 2004). 2000 - DD (Hilton-Taylor, 2000). 1996 - VU (Baillie and Groombridge, 1996). 1994 - Rare (Groombridge, 1994).

MAJOR THREATS:
The threats to this species are not well known, but may include general habitat loss through ongoing deforestation (Mickleburgh *et al.*, 2008ba; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ba) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further surveys are needed to locate populations of this species, and to record additional details on natural history and possible threats.

GENERAL DISTRIBUTION:
This species has only been recorded from four localities in northern Angola (the type locality of Dundo) and southern Democratic Republic of the Congo (Luluabourg, Banana/Netonna, and Thysville).
Native: Angola (Bergmans, 1989; Monadjem *et al.*, 2010d: 554); Congo (The Democratic Republic of the) (Bergmans, 1989; Monadjem *et al.*, 2010d: 554).

POPULATION:
Structure and Density - It is currently only known from four specimens. Some of these records are old, and the species does not appear to have been recorded since the 1950s (Mickleburgh *et al.*, 2008ba; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008ba; IUCN, 2009).

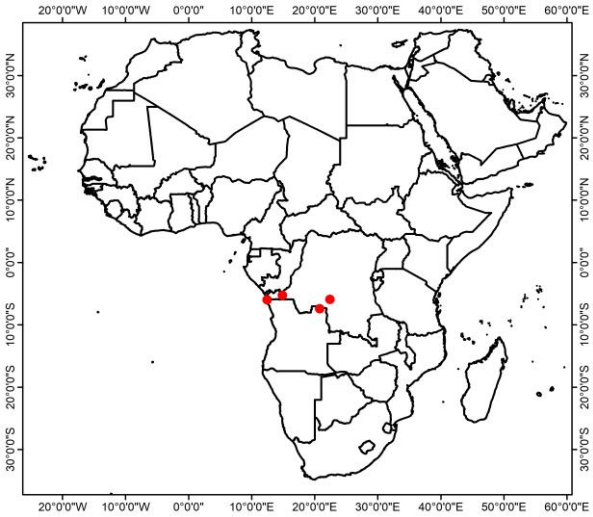

Figure 34. Distribution of *Micropteropus intermedius*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Congo (Democratic Republic of the).

Micropteropus pusillus (Peters, 1868)

1860. *Epomophorus schoensis:* Tomes, Proc. zool. Soc. Lond., 28: 55 - 56.
1860. *Epomophorus schoënsis:* Tomes, Proc. zool. Soc. Lond., 1860, I: 56. Publication date: February - May 1860. - Comments: Not of Rüppell, 1842.
*1868. *Epomophorus pusillus* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 870 (for 1867). Type locality: Nigeria: S Nigeria: Yoruba. Holotype: ZMB 3438: imm ♀, skull and alcoholic. Collected by: A. Mann; collection date: 1862. Presented/Donated by: F. von Krauss. Holotype designated by Bergmans (1989: 96, 99); see Turni and Kock (2008: 9). - Comments: For a discussion on the type locality, see Bergmans (1989). Grubb *et al.* (1998: 70) state that "Peters in effect renamed *Epomophorus schoënsis* Tomes and therefore Tomes's type locality [="Gambia" - fixed by Andersen, 1912b: 559] must stand, even though his syntypes are evidently no longer in existence". However, see Kock *et al.* (2002: 82) for a discussion on the type locality. - Etymology: From the Latin "*pusillus*" (=very small) (see Owen-Ashley and Wilson, 1998: 4).
1974. *Micropteropus pussilus:* Ayensu, Ann. Missouri Bot. Gard., 61: 706. (Lapsus)
1978. *Micropterus pusillus:* Arata and Johnson, in: Pattijn, Ebola Virus Haemorrhagic Fever, 135. (Lapsus)
1990. *Micropteropus pusilis:* King, Davies and Lawrie, Vet. Microbiol., 23 (1-4): 168. Publication date: June 1990. (Lapsus)
? *Epomophorus (Micropteropus) pusillus:* (Name Combination)
? *Micropteropus pusillus:* (Name Combination, Current Combination)
? *Nanonycteris veldkampi:* - Comments: Not of Jentink, 1888.

TAXONOMY:
See Bergmans (1989), Owen-Ashley and Wilson (1998) and Simmons (2005: 327).

COMMON NAMES:
Czech: kaloň nigerijský. English: Peters' Lesser Epauletted Fruit Bat, Peters' Lesser Fruit-bat, Peters's Dwarf Epauletted Fruit Bat, Dwarf Epauletted Fruit Bat. French: Petit microptère, Roussette naine de Peters. German: Peters' Kleiner Epaulettenflughund. Kiluba (DRC): Mulima. Spanish (Castillian): Murciélago Enano.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it occurs in a number of protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008q; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008q; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004s; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Mickleburgh *et al.*, 2008q; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008q) [in IUCN (2009)] report that in view of the species wide range it seems probable that it is present in many protected areas. In general, no direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Distributed in West Africa, Central Africa and East Africa. It ranges from Senegal and The Gambia, throughout much of West Africa to Cameroon, from here it is distributed into Equatorial Guinea (Rio Muni), Gabon, Congo, Central African Republic, the Democratic Republic of the Congo, Sudan, Uganda and western Ethiopia and Kenya. It is found as far south as central Angola and Zambia.

Native: Angola (Hayman, 1963; Crawford-Cabral, 1989; Bergmans, 1989; Lopes and Crawford-Cabral, 1992; Monadjem *et al.*, 2010d: 554); Benin (Capo-Chichi *et al.*, 2004: 161); Burkina Faso (Kangoyé *et al.*, 2015a: 605); Cameroon; Central African Republic (Morvan *et al.*, 1999: 1195); Chad; Congo (King and Dallimer, 2010: 66); Congo (The Democratic Republic of the) (Schouteden, 1944; Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 554); Côte d'Ivoire (Heim de Balsac, 1934b: 24); Equatorial Guinea; Ethiopia; Gabon; Gambia; Ghana; Guinea (Fahr and Ebigbo, 2003: 128; Denys *et al.*, 2013: 281; Decher *et al.*, 2016: 261); Guinea-Bissau (Monard, 1939; Bergmans, 1989; Rainho and Ranco, 2001: 28); Kenya; Liberia (Fahr, 2007a: 103); Mali (Meinig, 2000: 104); Niger; Nigeria; Rwanda; Senegal; Sierra Leone; Sudan; Tanzania; Togo;

Uganda (Kityo and Kerbis, 1996: 59); Zambia (Ansell, 1974; Monadjem *et al.*, 2010d: 554).
Presence uncertain: Burundi.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Haiduk *et al.* (1980; 1981: 226) reported 2*n* = 35, FN = 64, a subtelocentric X and two Y chromosomes for males from Cameroon (XY_1Y_2) (see also Nesi *et al.*, 2011: 552).
Protein / allozyme - Unknown.

ROOST:
M. pusillus roosts singly or in pairs in the dense leave cover of shrubs and trees (Kunz, 1996: 44). In Ghana, Ayivor *et al.* (2017: 3) found these bats to roost together with *E. gambianus*, where *M. pusillus* occupied the lower parts of the trees.

DIET:
Ayensu (1974) reports the following plant species being visited by *M. pusillus* during foraging: *Kigelia africana* (Sausage tree), *Anacardium occidentale* (Cashew tree), *Psidium guajava* (Guava tree), and *Spathodea campanulata* (African Tulip tree).

Seltzer *et al.* (2013: table S2) provided an overview of the plant species found beneath bat feeding roosts. For *M. pusillus* these include *Milicia excelsa* (Welw.) C. C. Berg (African Teak - Moraceae) and *Psidium guajava* L. (apple guava - Myrtaceae).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the African harrier-hawk (*Polyboroides typus* Smith, 1829) as diurnal avian predator.

POPULATION:
Structure and Density - This is generally considered to be one of the most common African bats. Large numbers are often recorded from fruit trees (Mickleburgh *et al.*, 2008q; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008q; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Thomas and Marshall (1984) reported that females mated at the age of six months and gave birth at 12 months. Males reached puberty at the age of seven months. They also found that there is a clear relation between the bimodal births and the bimodality of the rainfall.
11 out of 18 females reported by Bergmans (1979a: 177) from Pointe Noire and Loandjili (Congo) were pregnant between 25 November and 13 December.

MATING:
Haft (2002) [in Nesi *et al.* (2011: 552)] indicates that the male's courting call has a frequency of 2800 Hz.

PARASITES:
Held *et al.* (2016: 119) reported one out of 26 examined Gabonese *M. pusillus* specimens to be infected by the bacterium *Staphylococcus aureus*.

Schaer *et al.* (2013a: 17416) report the presence of hemosporidian parasites of the genus *Hepatocystis* in 68 out of 72 investigated bats.

Hirst (1923: 980) indicates that a specimen from Gambia was the host for a mite that was probably referrable to *Ancystropus æthiopicus* Hirst, 1923.

Fain (1967: 367) reported *Teinocoptes epomophori* Rodhain, 1923 (Acari: Teinocoptidae) from a *M. pusillus* specimen from Boma, DRC. He also reported *T. auricularis* Fain, 1959 on this host species from Kabinda, Boma and Beno, DRC.

VIRUSES:
Willoughby *et al.* (2017: Suppl.) report the following viruses: Lagos bat lyssavirus, Rift Valley fever phlebovirus, Zaire ebolavirus.

Bunyaviridae
Nairovirus
Only two of the 100 specimens from Gabon and Congo tested by Müller *et al.* (2016: 3) were positive for Crimean Congo hemorrhagic fever virus (CCHFV).

Phlebovirus
de Jong *et al.* (2011: 11) and Luis *et al.* (2013: suppl.) report the occurrence of Rift Valley fever virus.

Coronaviridae - Coronaviruses
Maganga *et al.* (2014a: 5) tested 533 animals from Congo and found only two testing positive.
Anthony *et al.* (2017b: Suppl.) mention the beta-coronavirus Kenya_CoV_BtKY56.

Filoviridae - Filo viruses
Ebolavirus
Muyembe-Tamfum *et al.* (2012: 9) refer to Pourrut *et al.* (2005) who found ZEBOV-specific antibodies.
Marburg
Towner *et al.* (2007) tested 149 individuals from Gabon for Marburg virus RNA by conventional and real-time RT-PCR and 19 individuals for anti-Marburg virus IgG antibodies by ELISA; no positives were found.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that none of the 152 specimens they examined

from the Democratic Republic of the Congo, the Central African Republic, Gabon, Congo, and Ghana tested positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

Rhabdoviridae
Lyssavirus - Rabies related viruses
2006 in Nigeria, Dzikwi *et al.* (2010: 269) tested 55 brains by direct fluorescent antibody (DFA) and mouse inoculation test (MTIT) and all tested negative for lyssavirus antigens.
Lagos bat virus (LBV) - Sureau *et al.* (1977) isolated Lagos bat virus in African Central Republic, from where Greenbaum and Carr (2005: 168) also reported monoclonal antibodies. In 2006, 21 individuals from Nigeria were serum tested by a modified rapid fluorescent focus inhibition test (RFFIT), none tested positive for neutralizing anitibodies (Dzikwi *et al.*, 2010: 269).
Mokola virus (MOKV) - King *et al.* (1990: 168) found monoclonal antibodies for MOKV in bats from the Central African Republic. They also found antibodies for Duvenhage and Denmark bat virus.
In 2006, 21 individuals from Nigeria were serum tested by a modified rapid fluorescent focus inhibition test (RFFIT), where none tested positive for neutralizing anitibodies (Dzikwi *et al.*, 2010: 269).

In their overview table, Maganga *et al.* (2014a: 8) report the following viruses were found on *M. pusillus*: Lagos Bat Virus (LBV), Coronavirus, Zaire Ebola Virus (ZEBOV), Marburg virus (MBGV), Rift Valley Fever virus (RVF).

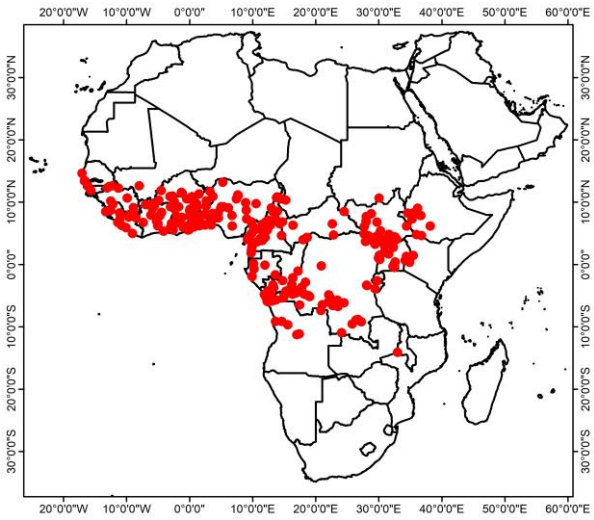

Figure 35. Distribution of *Micropteropus pusillus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Mali, Nigeria, Rwanda, Senegal, Sierra Leone, South Sudan, Sudan, Tanzania, The Gambia, Togo, Uganda, Zambia.

Genus ***Myonycteris*** Matschie, 1899

*1899. *[Xantharpyia (]Myonycteris[)]* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 61, 63 [Goto Description]. - Comments: Type species: *Cynonycteris torquata* Dobson, 1878. Originally described as subgenus of *Xantharpyia*. Matschie dated his introduction on 14 May 1899. - Etymology: Derived from the Greek "*mys*" (= mouse) and "*nycteris*" (= bat) meaning mouse-like bat.
1912. *Myonycteris:* K. Andersen. - Etymology: From the Greek "*μύξ*" or "*μυός*", meaning mouse and "*νυκτερισ*", meaning bat (see Palmer, 1904: 440). (Name Combination, Current Combination)
2012. *Lissonycteris:* Nesi, Kadjo, Pourrut, Leroy, Pongombo Shongo, Cruaud and Hassanin, Mol. Phylogenet. Evol., 66 (1): 126.
2015. *Cyonycteris:* Lanza, Funaioli and Riccucci, The bats of Somalia and neighbouring areas, 60. - Etymology: From the Greek adjective "*λισός*" (lissós), meaning "smooth" and the feminine Greek substantive "*νυκτερίς*" (nykterís) [genitive "*νυκτερίδος*" (nikterídos)] meaning "bat", or combined "smooth bat", referring to the smooth fur of the species (see Lanza *et al.*, 2015: 59). (Lapsus)

TAXONOMY:
Two subgenera are presently recognized *Myonycteris* and *Phygetis* (Koopman, 1994; Simmons, 2005: 328). Revised by Bergmans (1976; 1997).

Lawrence and Novick (1963) separated *Lissonycteris* from *Rousettus* because of ethological differences concerning the use of the limbs, and the absence of echolocation in *Lissonycteris*. Juste B. *et al.* (1997) presented allozyme evidence corroborating earlier

chromosome studies (Haiduk *et al.* (1980, 1981), DNA-hybridisation results (Kirsch *et al.*, 1995) and cladistic analysis (Springer *et al.*, 1995) that support the recognition of *Lissonycteris* as a distinct genus. Bergmans (1994: 79; 1997: 136), Lavrenchenko *et al.* (2004b: 136), and Simmons (2005: 325) also consider *Lissonycteris* to be a valid genus.

Included in the Myonycterini tribe by Bergmans (1997: 69) and Almeida *et al.* (2016: 83), which was considered part of the Epomophorinae by the former and of the Rousettinae by the latter.

Known species of *Myonycteris*: ***angolensis*** (Bocage, 1898), ***brachycephala*** (Bocage, 1889); ***leptodon*** K. Andersen, 1908; ***relicta*** Bergmans, 1980; ***torquata*** (Dobson, 1878).

COMMON NAMES:
Czech: límcoví kaloni, měkkosrstí kaloni. English: Collared Fruit-bats, Little Collared Fruit-bats, Dwarf Epauletted Bat, Lesser Epauletted Bat, Smooth-haired Fruit-bats, Soft-furred Fruit-bats. French: Lissonyctères, Myonyctères, Roussettes à collier. German: Halskrausen-Flughunde, Samtfell-Flughunde.

VIRUSES:
Goldberg *et al.* (2017: 3, 4) described a new virus from Uganda (Kanyawara virus, genus *Ledantevirus, Rhabdoviridae*, Mononegavirales) from a new nycteribiid bat fly (genus *Dipseliopoda* Theodor, 1955, which in turn was captured on a (probably) new species of bat belonging to the genus *Myonycteris*. The bat was originally identified as *M. angolensis*, but an analysis of its mitochondrial DNA showed it to belong to an outgroup.

Myonycteris angolensis (Bocage, 1898)

*1898. *Cynonycteris Angolensis* Bocage, J. Sci. mat. phys. nat., ser. 2, 5 (19): 133, 138, text-fig. Publication date: June 1898. Type locality: Angola: Quibula, Cahata, north of Quanza River: Pungo Andongo [09 40 S 15 35 E, 1 200 m] [Goto Description]. Syntype: BMNH 1897.8.6.1: juv ♀, skull and alcoholic. Collected by: José Alberto de Oliveira Anchieta; collection date: 1891. Presented/Donated by: Lisbon Museum. See Andersen (1912b: 54), Bergmans (1997: 37). Syntype: MLZA T113 [a]: ad ♀, mounted skin (skull missing). Collected by: José Alberto de Oliveira Anchieta; collection date: 1891. Destroyed by fire in 1978; see Bergmans (1997: 37). Syntype: MLZA T113 [b]: juv, mounted skin (skull not removed). Collected by: José Alberto de Oliveira Anchieta; collection date: 1891. Destroyed by fire in 1978; see Bergmans (1997: 37). - Comments: From the feminine scientific Latin adjective *angolènsis,* meaning "Angolan" referring to the country where the type specimen was collected (see Lanza *et al.*, 2015: 60). - Etymology: Referring to the country where the type specimen was collected.

1920. *Rousettus (Lissonycteris) crypticola* Cabrera, Bol. r. Soc. espan. Hist. nat. , 20 (3 - 4): 106. Type locality: Equatorial Guinea: Bioko: Malabo, Basilé: San Fernando, cave of [03 44 N 08 49 E, 1 100 m]. Holotype: MNCN 53 / 20-II-25-5: ad ♀, complete skeleton. Collected by: D. Manuel M. de la Escalera; collection date: 26 July 1919; original number: 2.057. See Cabrera (1920: 107); Ibáñez and Fernández (1989: 7); Bergmans (1997: 35). Publication date: March - April 1920. Paratype: MNCN 54: juv ♂, skin only. Collected by: D. Manuel M. de la Escalera; collection date: 26 July 1919. See Ibáñez and Fernández (1989: 7); Bergmans (1997: 35).

2007. *Lyssonycteris angolensis:* Müller, M. A.; Paweska, J. T.; Leman, P. A.; Drosten, C.; Grywna, K.; Kemp, A.; Braack, L. E. O.; Sonnenberg, K.; Niedrig, M.; Swanepoel, R., Emerg. Inf. Dis., 13 (9): 1368. (Lapsus)

2013. *Myonycteris angolensis:* Nesi, Kadjo, Pourrut, Leroy, Pongombo Shongo, Cruaud and Hassanin, Mol. Phylogenet. Evol., 66 (1): 135. Publication date: 10 October 2012. (Name Combination, Current Combination)

? *Lissonycteris angolensis:* (Name Combination)

? *Rousettus (Lissonycteris) angolensis:* (Name Combination)

? *Rousettus angolensis angolensis:* (Name Combination)

? *Rousettus angolensis:*

TAXONOMY:
Peterson *et al.* (1995: 48), Schaer *et al.* (2013a), and Kerbis Peterhans *et al.* (2013: 189) include *angolensis* in the genus *Myonycteris*. Simmons (2005: 325) recognizes *goliath*, *petraea*, *ruwenzorii* and *smithii* as subspecies of

angolensis, indicating that more than one species may be present in this complex.

Known subspecies of *M. angolensis*: ***angolensis*** (Bocage, 1898); ***goliath*** Bergmans, 1997; ***petraea*** Bergmans, 1997; ***smithii*** (Thomas, 1908).

COMMON NAMES:
Afrikaans: Bocage se vrugtevlermuis, Bocage-vrugtevlermuis. Czech: kaloň měkkosrstý. English: Angolan Soft-furred Fruit-bat, Angolan Long-haired Fruit-bat, Angolan Rousette, Angolan Fruit Bat, Bocage's Fruit-bat, Long-haired Rousette, Canon Smith's Rousette. French: Lissonyctère d'Angola, Roussette d'Angola, Roussette de Bocage, Roussette à longs poils. German: Angolanischer Samtfell-Flughund. Italian: Lissonittèride angolàna, Lissonictèride angolàna. Kiluba (DRC): Mulima. Kinande (DRC): Mulima. Portuguese: Morcego Frugivoro de Bocage. Spanish (Castillian): Ruseta de Angola.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) [as *Lissonycteris angolensis*] in view of its wide distribution, presumed large population, its occurrence in a number of protected areas, its tolerance of a degree of habitat modification, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008o; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed including *L. goliath*, *L. petraea*, *L. ruwenzorii*, *L. smithii* as synonyms] (Mickleburgh *et al.*, 2008o; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004z; IUCN, 2004). 2003 - LR/lc [assessed as *Rousettus angolensis*] (IUCN, 2003). 1996 - LR/lc [assessed as *Rousettus angolensis*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Mickleburgh *et al.*, 2008o; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008o) [in IUCN (2009)] report that this species is present in a number of protected areas.

GENERAL DISTRIBUTION:
Myonycteris angolensis is widely distributed at elevations ranging from sea level to 4,000 m asl, in West Africa, Central Africa and East Africa, with some distinct populations present within southern Africa. It ranges from Senegal and The Gambia in the west, through most of West Africa to Cameroon; from here it ranges southwards into Congo, eastern Democratic Republic of the Congo and Angola, and eastwards into Central African Republic, southern Sudan, eastern and southern Democratic Republic of the Congo and Rwanda and Burundi. In East Africa it is distributed from Ethiopia in the north through Uganda, Kenya and Tanzania. In southern Africa has been recorded from northwestern Angola, central and southern Cameroon, Central African Republic, central Congo, Equatorial Guinea (Bioko, Mbini), Gabon, eastern Nigeria, and northwestern and southwestern Democratic Republic of the Congo.

Native: Angola (Crawford-Cabral, 1989; Bergmans, 1997; Monadjem *et al.*, 2010d: 554); Burkina Faso (Kangoyé *et al.*, 2015a: 605); Burundi; Cameroon; Central African Republic; Congo (Bates *et al.*, 2013: 333); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 554); Côte d'Ivoire; Equatorial Guinea; Ethiopia; Gambia; Ghana; Guinea (Denys *et al.*, 2013: 281); Guinea-Bissau (Veiga-Ferreira, 1948; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 35); Kenya; Liberia; Mozambique; Nigeria; Rwanda; Senegal; Sierra Leone; Sudan; Tanzania (Stanley and Goodman, 2011: 40); Togo; Uganda; Zambia (Ansell, 1967; Ansell, 1974; Monadjem *et al.*, 2010d: 554); Zimbabwe.
Presence uncertain: Benin; Gabon.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
From western Uganda, Monadjem *et al.* (2011: 30) reported the following data for 8 specimens: Fa: 77.70 ± 1.634 mm, mass: 78.1 ± 7.31 g, wing loading: 17.7 ± 1.52 N/m^2, aspect ratio: 15.9 ± 0.46.

An albino specimen - of "*Lissonycteris angolensis*?" - was reported from a cave in Uganda by Neal (1971) and Lucati and López-Baucells (2016: Suppl.).

DETAILED MORPHOLOGY:
Chernova (2002) studied the structure of the cuticle of guard hairs of several Pteropodid bats and found that the structure of these hairs in *angolensis* was nonring-forming as in *Epomophorus wahlbergi* as oposed to ring-forming as in *Myonycteris angolensis* [as *Rousettus*].

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Haiduk *et al.* (1980, 1981: 223) reported 2*n* = 36, FN = 66, BA = 32, and a subtelocentric X chromosome. Denys *et al.* (2013: 281) also reported 2*n* = 36 and Fna = 66, but with two medium-sized submetacentric X chromosomes.
Protein / allozyme - Unknown.

ROOST:
Weber and Fahr (2006: 4) indicate that [as *Lissonycteris angolensis*] largely or exclusively depends on the availability of caves as day roosts.

POPULATION:
Structure and Density - This species can be common in some localities (Mickleburgh *et al.*, 2008o; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008o; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Stanley and Goodman (2011: 38) reported pregnant females collected in the West and East Usambara Mountains (Tanzania) on 1 July 1991, and between 25 July and 5 August 1992. They also found six pregnant females in the South Pare Mountains between 18 and 23 July 1993, and on 25 August 1994.

PARASITES:
Adam (1973: 3) reported *Plasmodium voltaicum* Van Der Kaay, 1964 (Haemosporida) from the Republic of Congo. He also mentioned that this parasite can be detected in the blood of the bats six to eight days after infection and then persists chronically for an persistent period. Schaer *et al.* (2013a: 17416) recorded the same parasite in three out of three investigated bats, and Perkins and Schaer (2016: Suppl.) mention it furthermore from Ghana and Guinea.

Adam (1973: 4) also reported on a [as *Lissonycteris angolensis*] specimen that was transported from the Republic of Congo to Paris and that was infected by *Hepatocystis perronae*.

Trombigastia (Trombigastia) rousetti (Acari: Trombiculidae) was described by Vercammen-Grandjean and Fain (1958: 16) from "*Rousettus (Lissonycteris) angolensis*" from Nyakibanda, Rwanda. They also described (p. 18) *Trombigastia (Trombigastia) hirsuta* from bats from Katana, N of Bukavu, DRC. Fain (1959a: 346) mentions *Nycteridocoptes macrophallus* Fain, 1958 from "*R. angolensis*" from Mulungu, DRC.

Fain (1967: 363) described *Teinocoptes ituriensis* (Acari: Teinocoptidae) from "*Rousettus (Lissonycteris) angolensis*" from Saliboko, Lake Albert, Ituri, Congo.

DIPTERA
Nycteribiidae: *Eucampsipoda africanum* Theodor 1955, widely distributed over the Ethiopian region and recorded from localities in Senegal to the Sudan and southwards mirroring the hosts distribution (Haeselbarth *et al.*, 1966: 115). *Dipseliopoda biannulate* (Oldroyd 1953) distributed over the tropical parts of Africa and recorded from localities in Nigeria, Cameroon, the Congo and the Sudan and Kenya (Haeselbarth *et al.*, 1966: 116). *Cyclopodia greeffi* Karsch 1884 found in a belt across central Africa, between lat. 10° south and north, while in West Africa it occurs further north up to lat. 20° (Haeselbarth *et al.*, 1966: 117).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) [as *Lyssonycteris angolensis*] tested between 1986 to 1999, for antibody to SARS-CoV in sera in 16 individuals from Oriental Province, DRC, one was tested positive (1/16, 6.3 %) and two individuals from Bandundu Province, DRC, none tested positive (0/2) (1/18, 5.6 %).
None of the nine Kenyan specimens tested by Tao *et al.* (2017: Suppl.) were positive for CoV.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that none of the 3 specimens they examined from the Democratic Republic of the Congo tested positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

Polyomaviridae
Polyomavirus - Conrardy *et al.* (2014: 259) tested 11 specimens from the Kakamega cave (Kenya) and found one of them to test positive for this virus. This was also the case for the single specimen from Kisumu.

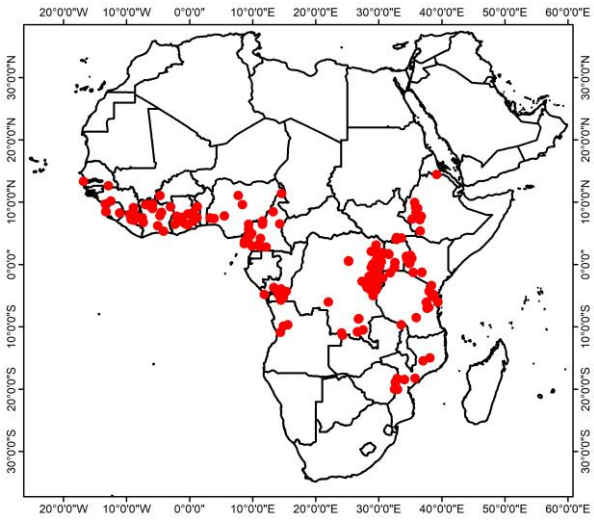

Figure 36. Distribution of *Myonycteris angolensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Burkina Faso, Burundi, Cameroon, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Ghana, Guinea, Kenya, Liberia, Malawi, Mozambique, Nigeria, Rwanda, Senegal, Sierra Leone,

Tanzania, Togo, Uganda, Zambia.

Myonycteris angolensis angolensis (Bocage, 1898)

*1898. *Cynonycteris Angolensis* Bocage, J. Sci. mat. phys. nat., ser. 2, 5 (19): 133, 138, text-fig. Publication date: June 1898. Type locality: Angola: Quibula, Cahata, north of Quanza River: Pungo Andongo [09 40 S 15 35 E, 1 200 m] [Goto Description]. Syntype: BMNH 1897.8.6.1: juv ♀, skull and alcoholic. Collected by: José Alberto de Oliveira Anchieta; collection date: 1891. Presented/Donated by: Lisbon Museum. See Andersen (1912b: 54), Bergmans (1997: 37). Syntype: MLZA T113 [a]: ad ♀, mounted skin (skull missing). Collected by: José Alberto de Oliveira Anchieta; collection date: 1891. Destroyed by fire in 1978; see Bergmans (1997: 37). Syntype: MLZA T113 [b]: juv, mounted skin (skull not removed). Collected by: José Alberto de Oliveira Anchieta; collection date: 1891. Destroyed by fire in 1978; see Bergmans (1997: 37). - Comments: From the feminine scientific Latin adjective *angolènsis,* meaning "Angolan" referring to the country where the type specimen was collected (see Lanza *et al.*, 2015: 60). - Etymology: Referring to the country where the type specimen was collected.
2015. *Myonycteris angolensis angolensis:* ACR. (Name Combination, Current Combination)
? *Lissonycteris angolensis angolensis:* (Name Combination)

GENERAL DISTRIBUTION:
Recorded from northwestern Angola, central and southern Cameroon, Central African Republic, central Congo, Equatorial Guinea [Bioko, Mbini], Gabon, eastern Nigeria, and northwestern and southwestern Democratic Republic of the Congo.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Cameroon, Congo, Congo (Democratic Republic of the), Equatorial Guinea, Nigeria.

Myonycteris angolensis goliath (Bergmans, 1997)

*1997. *Lissonycteris angolensis goliath* Bergmans, Beaufortia, 47 (2): 46. Publication date: 20 June 1997. Type locality: Zimbabwe: Inyanga: Gleneagles (Estate) [18 17 S 32 54 E] [Goto Description]. Holotype: NHMZ 59831: ad ♀, skin and skull. Collected by: Michael P. Stuart Irving and *et al.*; collection date: 19 March 1970; original number: T1854. 8 paratypes; see Bergmans (1997: 46). Paratype: ZMA MAM.24710: ad ♀, skin and skull. Collected by: S. Irwin; collection date: 19 March 1970; original number: T1853. Paratype: ZMA MAM.24719: ♀, skin and skull. Collected by: S. Irwin; collection date: 19 March 1970; original number: T1853. locality: Gleneagles (18 15 - 18 30 S, 32 45 - 33 0 E, 6000ft), see Bergmans (2011: 841). - Etymology: Referring to the biblical giant with the same name.
2001. *Lissonycteris goliath:* Cotterill, Durban Mus. Novit., 26: 53. (Name Combination, Current Combination)
2015. *Myonycteris angolensis goliath:* ACR. (Name Combination, Current Combination)

TAXONOMY:
Bergmans (1997) showed that craniological characters also distinguish *Lissonycteris* from *Rousettus*, and assigned the specimens from Zimbabwe to a new subspecies (*L. a. goliath*). Liberally applying the evolutionary species concept, which holds that any diagnosable or allopatric population is a valid species, Cotterill (2001e) elevated *goliath* to full species rank. Bergmans (2011: 841) still considers it a subspecies, at most.

COMMON NAMES:
English: Harrison's fruit bat. French: Lissonyctère goliath. German: Harrisons Samtfell-Flughund.

CONSERVATION STATUS:
Global - VU A3c+4c ver 3.1 (2001) (IUCN, 2004; Mickleburgh *et al.*, 2004ar); LC ver 3.1 (2001) included as a synonym of *L. angolensis* (Mickleburgh *et al.*, 2008o; IUCN, 2009).

MAJOR THREATS:
May be threatened by loss of habitat resulting from logging operations, and disturbance of cave roosting sites. It is possible that some populations of this species are threatened by over harvesting for subsistence food (Mickleburgh *et al.*, 2008o; IUCN, 2009).

CONSERVATION ACTIONS:
There is a need to protect the habitat (Mickleburgh *et al.*, 2008o; IUCN, 2009).

GENERAL DISTRIBUTION:
Lissonycteris goliath is known from four localities in south-east Africa (the border area of Mozambique and Zambia) between sea level and 1,800 m asl.

Native: Mozambique (Monadjem *et al.*, 2010d: 554; Monadjem *et al.*, 2010c: 376); Zambia; Zimbabwe (Monadjem *et al.*, 2010d: 554).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Mozambique, Zimbabwe.

Myonycteris angolensis petraea (Bergmans, 1997)

*1997. *Lissonycteris angolensis petraea* Bergmans, Beaufortia, 47 (2): 44. Publication date: 20 June 1997. Type locality: Ethiopia: Ilubabor province: 10 km from Agaro: Jimma, road to [07 50 N 36 38 E] [Goto Description]. Holotype: MNHN ZM-MO-1972-482a: ad ♂, skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10 - 13 June 1968; original number: 4017. 10 paratypes; see Bergmans (1997). Paratype: MNHN ZM-MO-1972-482b: skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10 - 13 June 1968; original number: 4018. Paratype: MNHN ZM-MO-1972-482c: skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10 - 13 June 1968; original number: 4019. Paratype: MNHN ZM-MO-1972-482d: skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10 - 13 June 1968; original number: 4024. Paratype: MNHN ZM-MO-1972-482e: skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10 - 13 June 1968; original number: 4027. Paratype: MNHN ZM-MO-1972-482f: skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10 - 13 June 1968; original number: 4032. Paratype: MNHN ZM-MO-1972-482g: skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10 - 13 June 1968; original number: 4044. Paratype: MNHN ZM-MO-1972-482h: skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10 - 13 June 1968; original number: 4045. Paratype: MNHN ZM-MO-1972-482i: skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10 - 13 June 1968; original number: 4046. Paratype: MNHN ZM-MO-1972-482j: skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10 - 13 June 1968; original number: 4051. Paratype: ZMA MAM.25180: ad ♂, skull and alcoholic. Collected by: Jean Pierre Dorst *et al.*; collection date: 10-13 June 1968. Locality: 10 km from Agaro (07 50 N 36 38 E), at the road to Jimma (07 39 N 36 47 E), Ethiopia, 1650 m (see: Bergmans, 2011: 842).
2001. *Lissonycteris petraea:* Cotterill, Durban Mus. Novit., 26: 53. (Name Combination)
2015. *Myonycteris angolensis petraea:* ACR. (Name Combination, Current Combination)

TAXONOMY:
Simmons (2005: 325) states that the status of *petraea* remains unclear, but recognized it as a subspecies of *angolensis*.

COMMON NAMES:
English: Petra fruit bat. French: Lissonyctère d'Ethiopie. German: Äthiopischer Samtfell-Flughund.

CONSERVATION STATUS:
Global - VU A4c ver 3.1 (2001) (IUCN, 2004; Mickleburgh *et al.*, 2004ab); LC ver 3.1 (2001) included as a synonym of *L. angolensis* (Mickleburgh *et al.*, 2008o; IUCN, 2009).

CONSERVATION ACTIONS:
There is a need to protect the habitat (Mickleburgh *et al.*, 2008o; IUCN, 2009).

GENERAL DISTRIBUTION:
Found only in Ethiopia, where it has been recorded from six localities between 1,190 and 2,600 m asl.

Native: Ethiopia.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia.

Myonycteris angolensis ruwenzorii (Eisentraut, 1965)

*1965. *Rousettus angolensis ruwenzorii* Eisentraut, Bonn. zool. Beitr., 16 (1/2): 3, fig. 1. Type locality: Uganda: Ruwenzori East [1 575 m] [Goto Description]. Holotype: BMNH 1906.12.4.1: ♂. - Etymology: Referring to the country where the type specimen was collected.
2015. *Myonycteris angolensis ruwenzorii:* ACR. (Name Combination, Current Combination)

? *Lissonycteris angolensis ruwenzorii:* (Name Combination)

COMMON NAMES:
English: Ruwenzori Long-haired rousette. French: Lissonyctère du Ruwenzori, Roussette à long poils du Ruwenzori.

GENERAL DISTRIBUTION:
M. a. ruwenzorii has been recorded from Ethiopia, Kenya, Mozambique, Rwanda, southern Sudan, Tanzania, Uganda, northeastern and southeastern Democratic Republic of the Congo, Zambia and Zimbabwe.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Burundi, Cameroon, Congo (Democratic Republic of the), Ethiopia, Kenya, South Sudan, Sudan, Tanzania, Uganda.

Myonycteris angolensis smithii (Thomas, 1908)

*1908. *Rousettus smithii* Thomas, Ann. Mag. nat. Hist., ser. 8, 2 (10): 375. Publication date: 1 October 1908. Type locality: Sierra Leone: Freetown [08 30 N 13 15 W] [Goto Description]. Holotype: BMNH 1908.9.11.1: sad ♀. Collected by: Canon F.C. Smith. Presented/Donated by: Canon F.C. Smith. - Comments: Grubb *et al.* (1998: 67) mention that the type locality is almost certainly Freetown, according to Rosevear (1965: 84).
1974. *Lissonycteris angolensis smithi:* Bergmans, Bellier and Vissault, Rev. Zool. afr., 88 (1): 38. (Name Combination)
2012. *Myonycteris angolensis smithii:* Nesi, Kadjo, Pourrut, Leroy, Pongombo Shongo, Cruaud and Hassanin, Mol. Phylogenet. Evol., suppl. 3. (Name Combination, Current Combination)
? *Lissonycteris angolensis smithii:* (Name Combination)
? *Lissonycteris smithii:* (Name Combination)
? *Rousettus angolensis smithi:* (Name Combination)
? *Rousettus smithi:* (Name Combination, Alternate Spelling)

TAXONOMY:
Mentioned as *smithii* by Allen (1939a: 63), Meester *et al.* (1986: 30), Koopman (1993a), Bergmans (1997: 33), Grubb *et al.* (1998: 67), Kock *et al.* (2002: 79), but as *smithi* by Peterson *et al.* (1995: 48), who also consider it a valid species in the genus *Myonycteris*. Kock *et al.* (2002: 79) include it as subspecies in *angolensis*, due to clinal differentiation (as does Bergmans, 1997: 33). Simmons (2005: 325) follows Kock *et al.* (2002), who support Bergmans (1997), in treating *smithii* as a subspecies of *angolensis*.

COMMON NAMES:
English: Smith's fruit bat. French: Lissonyctère de Simth. German: Smiths Samtfell-Flughund.

CONSERVATION STATUS:
Global - LC ver 3.1 (2001) (IUCN, 2004; Mickleburgh *et al.*, 2004u); LC ver 3.1 (2001) included as a synonym of *L. angolensis* (Mickleburgh *et al.*, 2008o; IUCN, 2009).

GENERAL DISTRIBUTION:
Distributed in the lowlands of western Africa, where its distribution follows the savanna and forest zone, it is found up to 1,400 m asl on Mount Nimba.

Native: Bioko; Burkina Faso; Ghana; Guinea (Decher *et al.*, 2016: 262); Guinea Bissau; Côte d'Ivoire; Liberia; Nigeria; Sierra Leone; Senegal; Togo.

HABITAT:
Monadjem *et al.* (2016y: 364) indicate that the (sub)species is restricted to montane forests in West Africa.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Côte d'Ivoire, Ghana, Guinea, Liberia, Nigeria, Sierra Leone, The Gambia, Togo.

Myonycteris brachycephala (Bocage, 1889)

*1889. *Cynonycteris brachycephala* Bocage, J. Sci. mat. phys. nat., ser. 2, 1 (3): 198. Publication date: December 1889. Type locality: São Tomé and Principé: São Tomé Island. Holotype: MLZA 449a: ad ♀, mounted skin and skull. Collected by: F. Newton and Pires; collection date: 1868. Holotype number "T114"; destroyed by fire in 1978: see Bergmans (1997: 53).
1898. *Cynonycteris brachycephalus:* Seabra, J. Sci. mat. phys. nat., ser. 2, 5: 170. (Alternate Spelling)

1995. *M[yonycteris] brachyptera:* Peterson, Eger, and Mitchell: 48. - Comments: Mentioned by Peterson *et al.* (1995: 48) only with the remark "La situation exacte de ce taxon suppose une étude plus poussée". [The exact situation of this taxon needs a more thorough study]. (Lapsus)
? *Myonycteris (Myonycteris) brachyptera:* (Lapsus)
? *Myonycteris (Phygetis) brachycephala:* (Name Combination)
? *Myonycteris brachycephala:* (Name Combination, Current Combination)

TAXONOMY:
Reviewed by Bergmans (1997). See Simmons (2005: 328).

COMMON NAMES:
Czech: kaloň tomášský. English: Sao Tomé Collared Fruit Bat. French: Myonyctère de São Tomé, Chauve-souris frugivore à collier de São Tomé. German Halskrausen-Flughund, São Tomé Halskrausen-Flughund.

CONSERVATION STATUS:
Global - Listed as Endangered because its extent of occurrence is less than 1,000 km^2, all individuals are in a single location (the uplands of Sao Tomé), and there is continuing decline in the extent and quality of its habitat (Juste *et al.*, 2008a; IUCN, 2009).

Assessment History -
2008 - EN B1ab(iii) ver 3.1 (2001) (Juste *et al.*, 2008a; IUCN, 2009). 2004 - EN B1ab(iii) ver 3.1 (2001) (Juste *et al.*, 2004b; IUCN, 2004). 2000 - EN (Hilton-Taylor, 2000). 1996 - VU (Baillie and Groombridge, 1996). 1994 - VU (Groombridge, 1994).

MAJOR THREATS:
Within the species' relatively limited range it is threatened by ongoing habitat loss, presumably related to logging activities and the conversion of land to agricultural use (Juste *et al.*, 2008a; IUCN, 2009).
Rainho *et al.* (2010b: 257) indicate that hunting might also be a problem for this island endemic.

CONSERVATION ACTIONS:
Juste *et al.* (2008a) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. There is a need to protect suitable areas of remaining natural habitat for this species, with additional research required into the persistence of populations in modified habitats (such as cocoa plantations). Further surveys are needed to identify additional localities for this species, and to better understand its natural history.

GENERAL DISTRIBUTION:
Myonycteris brachycephala is endemic to the uplands of São Tomé Island of São Tomé and Príncipe. It is absent from the northern part of the island. It has only been recorded from three localities, and no colonies have been reported. Individuals have been recorded between 300 and 1,200 m asl.

Native: Sao Tomé and Principe (Bergmans, 1997; Simmons, 2005: 328; Rainho *et al.*, 2010a: 18).

DENTAL FORMULA:
Juste and Ibáñez (1993a: 221) report on an asymmetric dental formula in *M. brachycephala*, which resulted from the absence of a lower internal incisor, either in the left or right mandible. They indicate that this might be related to a developmental instability associated with the colonization by the island species.

POPULATION:
Structure and Density - It appears to be a naturally rare species (Juste *et al.*, 2008a; IUCN, 2009).
Trend - 2008 - Decreasing (Juste *et al.*, 2008a; IUCN, 2009; Rainho *et al.*, 2010b: 257).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
São Tomé and Principé.

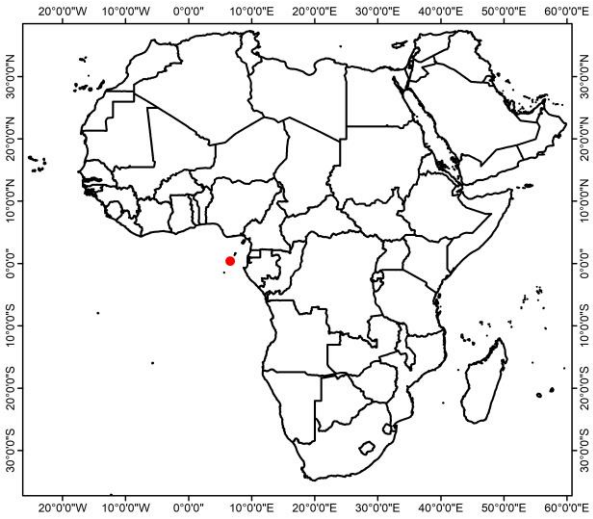

Figure 37. Distribution of *Myonycteris brachycephala*

Myonycteris leptodon K. Andersen, 1908

*1908. *Myonycteris leptodon* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 2 (11): 450. Publication date: 1 November 1908. Type locality: Sierra Leone: "Sierra Leone" [Goto Description]. Holotype: BMNH 1891.2.13.1: ad ♂. Collected by: J. Hickman Esq. Collection date: prior to 1891. (Current Combination)
1971. *M[yonycteris (Myonycteris)] t[orquata] leptodon:* Hayman and Hill, in: Meester and Setzer, The mammals of Africa. Order Chiroptera. (Name Combination)
1971. *Myonycteris torquata leptodon:* Jones, J. Mamm., 52 (1): 129. Publication date: February 1971. (Name Combination)
? *Myonycteris (Myonycteris) leptodon:* (Name Combination)
? *Myonycteris (Myonycteris) torquata leptodon:* (Name Combination)

TAXONOMY:
Based on the study of cytochrome *b* sequences, Nesi *et al.* (2012) concluded that West African *Myonycteris torquata* (Dobson, 1878) differed considerably from those from Central African.

COMMON NAMES:
German: Sierra-Leone Halskrausen-Flughund

GENERAL DISTRIBUTION:
Nesi *et al.* (2012) indicated that the *M. torquata* specimens from West Africa were considerably different from those from the remaining part of the continent, but they did not include specimens from the area between the Dahomey Gap and the Niger delta. Herkt *et al.* (2017: Appendix S9) were not able to determine a preferential habitat type in that area for either *M. torquata* or *M. leptodon*. They were, however, able to determine that the Dahomey Gap was a pronounced break in the habitat suitability predictions of both species. Therefore, they considered the specimens on the western side of the Gap to belong to *leptodon* and on the eastern side to *torquata*.

Native: Native: Côte d'Ivoire (Heim de Balsac, 1934b: 24); Ghana (Decher and Fahr, 2007: 12); Guinea (Simmons, 2005: 328; Denys *et al.*, 2013: 281; Decher *et al.*, 2016: 263); Liberia (Monadjem and Fahr, 2007: 50); Sierra Leone (Simmons, 2005: 328); Togo.

HABITAT:
In the Mount Nimba area, Monadjem *et al.* (2016y: 364) recorded this species from a wide range of forested habitats on both Liberian and Guinean sides, between 450 m and 1,350 m.

PARASITES:
HAEMOSPORIDA
Schaer *et al.* (2013a: "2") report the presence of hemosporidian parasites of the genus *Hepatocystis* in 11 out of 63 investigated bats.

VIRUSES:
Filoviridae - Filo viruses
Ebolavirus
Nesi *et al.* (2012: 126) suggest that the high nucleotide distance between Ebola virus Côte d'Ivoire and Ebola virus Zaire can be correlated with the Plio/Pleistocene divergence between their putative reservoir host species, i.e., *Myonycteris leptodon* and *Myonycteris torquata*, respectively.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Côte d'Ivoire, Ghana, Guinea, Liberia, Sierra Leone, Togo.

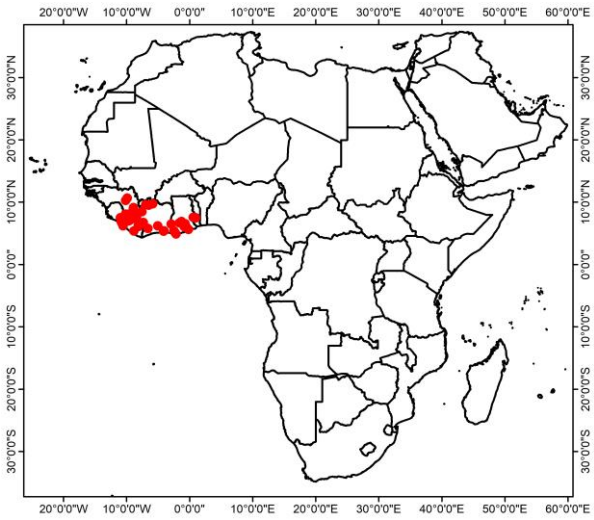

Figure 38. Distribution of *Myonycteris leptodon*

Myonycteris relicta Bergmans, 1980

*1980. *Myonycteris relicta* Bergmans, Zool. Meded. RMNH, Leiden, 55 (14): 171, 173, figs 1 - 10. Publication date: 4 March 1980. Type locality: Kenya: Coast province: Kwale district: Shimba Hills, Lukore area: Mukanda River [ca. 04 13 S 39 25 E] [Goto Description]. Holotype: RMNH MAM.27909: ad ♂. Collected by: Robert N. Kyongo; collection date: 30 July 1978. See Bergmans (1997: 56). Paratype: ZMB 54936: ad ♂, skull and alcoholic.

Collection date: January 1900. See Turni and Kock (2008). Paratype: ZMB 54937: ad ♀, skull and alcoholic. Collection date: January 1900. See Turni and Kock (2008). (Current Combination)

? *Myonycteris (Myonycteris) relicta:* (Name Combination)

TAXONOMY:
Bronner *et al.* (2003) state that *Myonycteris relicta* was described by Bergmans (1980) based on the re-identification of a specimen from the Nguru Mountains, and two specimens from the Usambara Mountains, in Tanzania. Peterson *et al.* (1995: 48) regarded *M. relicta* as a species of *Rousettus*, in contrast to Koopman (1982), Corbet and Hill (1980), Koopman (1993a: 143), Bergmans (1997) and Simmons (2005: 328) who retained this taxon in *Myonycteris*.

COMMON NAMES:
Czech: kaloň východoafrický. English: East African Collared Fruit-bat, Relict Collared Fruit-bat, East African Little Collared Fruit Bat, Bergmans's Small Fruit Bat, Bergmans's Collared Fruit Bat. French: Myonyctère d'Afrique orientale, Chauve-souris frugivore à collier d'Afrique orientale, Roussette du Kenya. German: Reliktärer Halskrausen-Flughund.

ETYMOLOGY OF COMMON NAME:
First described by Wim Bergmans after examining and reclassifying specimens previously ascribed to *Rousettus* (*Lissonycteris*) *angolensis* and following his discovery of the type specimen from the Mukonda River in Kenya (see Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Vulnerable because it is suspected that a population decline, estimated to be more than 30% would be met over a ten-year period which is ongoing from the recent past to the near future, inferred from the loss of its forest habitat (Mickleburgh *et al.*, 2008ao; IUCN, 2009).

Assessment History -
2008 - VU A4c ver 3.1 (2001) (Mickleburgh *et al.*, 2008ao; IUCN, 2009). 2004 - VU A4c ver 3.1 (2001) (Mickleburgh *et al.*, 2004bd; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996). 1994 - VU (Groombridge, 1994).

MAJOR THREATS:
Although the natural history of this species is little known, there is considerable ongoing habitat loss within the species range (through logging, harvesting of firewood and conversion of land to agricultural use) (Mickleburgh *et al.*, 2008ao; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ao) [in IUCN (2009)] report that there appear to be no direct conservation measures in place for this species. In Zimbabwe it has been recorded from the Haroni and Rusitu protected areas, but the forest has still been declining at these localities over the past three decades. Further surveys are needed to better determine the full extent of this species range. There is a need to conserve remaining lowland forest throughout much of East Africa.

GENERAL DISTRIBUTION:
Bergmans (1997) reports that the species is known from the Shimba Hills in southeast Kenya, the Usambara and Nguru Mountains in Tanzania. Several other unpublished localities in Tanzania and more recently from eastern Zimbabwe and Mozambique.

A female specimen captured in Haroni Forest (Zimbabwe) in 1973 and originally identified incorrectly as *Rousettus* (=*Lissonycteris*) *angolensis*, was re-identified as *Myonycteris relicta* (Cotterill, 1995; Bergmans, 1997).

Native: Kenya (Simmons, 2005: 328); Mozambique (Simmons, 2005: 328;: 554; Monadjem *et al.*, 2010c: 376); Tanzania (Simmons, 2005: 328; Stanley and Goodman, 2011: 40); Zimbabwe (Simmons, 2005: 328; Monadjem *et al.*, 2010d: 554).

HABITAT:
All localities known with some accuracy are in East African Zanzibar-Inhambane coastal mosaic: forest patches or in undifferentiated Afromontane vegetation bordering on East African Zanzibar-Inhambane coastal mosaic (Bergmans, 1997). The holotype specimen was caught over the Mukanda River, bordered by big thorn trees and fig trees, in the Shimba Hills, which are covered with a mosaic of open country and forest patches (Bergmans, 1997).

POPULATION:
Structure and Density -There is little known about the population of this species. Nearly all collections have been of single specimens caught in mist nets (Mickleburgh *et al.*, 2008ao; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008ao; IUCN, 2009).

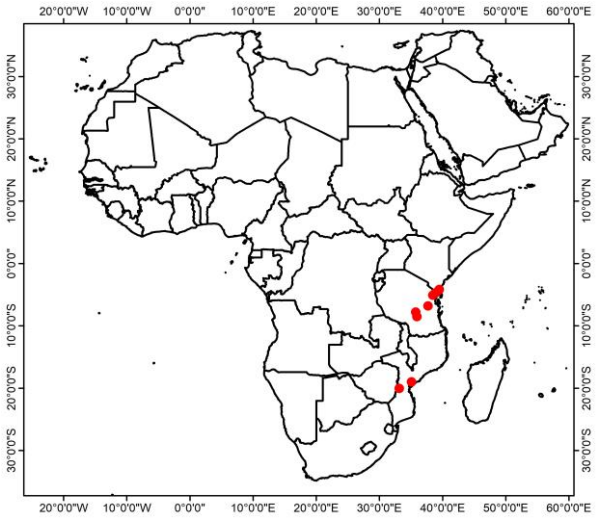

Figure 39. Distribution of *Myonycteris relicta*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya, Mozambique, Tanzania, Zimbabwe.

Myonycteris torquata (Dobson, 1878)

1870. *Cynopterus collaris* Gray, Catalogue of Monkeys, Lemurs and Fruit-eating bats in the collection of the British Museum London, 123. Type locality: Angola: "Angola" [Goto Description]. Holotype: BMNH 1843.9.27.2. - Comments: Not of Kolenati, 1860 [=*Rousettus leachi*] not of Geoffroy. Cat. Monkeys, Lemurs, Fruit-eating Bats Brit. Mus., p. 123. Type locality "W Africa, Lower Congo; Angola" see Allen (1939a: 58). Andersen (1912b: 581) mentions "The type was obtained 'near Congo' by one Mr. Currer, from whom it came into the hands of Dr. (afterwards Sir) J. Richardson, who presented it to the British Museum. Gray's statement that the specimen is 'young' is incorrect; his quotation of 'Gray, List Mamm. B. M. (1843),' where the specimen is stated to have been mentioned under the name *Xantharpyia collaris*, does not refer to the printed text of that book, but to a hand-written addition by Gray in his own copy of the book.".

*1878. *Cynonycteris torquata* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, xxxvii, 71, 76, pl. 5, fig. 1. Publication date: June 1878. Type locality: Angola: N Angola: Lower Cuanza region: Golungo Alto [Goto Description]. Lectotype: BMNH 1866.1.20.4: ad ♂, skull and alcoholic. Collected by: F. Welwitsch; collection date: 1853 - 1860. See Bergmans (1997: 49). - Comments: Grubb *et al.* (1998: 68) indicate "definite restriction of the type locality is not possible at present (Bergmans, 1976: 210 - 211)". Bergmans (1997: 49) indicates that Bergmans (1976) restricted the type locality to "Lower Cuanza Region" and the area was restricted to Golungo Alto by Crawford-Cabral (1989).

2014. *Myonycteris tarquata:* Ndara R., IJISR, 12 (1): 253. Publication date: November 2014. (Lapsus)

? *Myonycteris (Myonycteris) torquata:* (Name Combination)

? *Myonycteris torquata:* (Name Combination, Current Combination)

? *Myopterus torquata:* (Name Combination, Lapsus)

TAXONOMY:
See Hayman and Hill (1971), Peterson *et al.* (1995), Bergmans (1976; 1997) and Simmons (2005: 328). Subspecies follow Koopman (1994), but see Bergmans (1997).

In their study on cytochrome *b* sequences, Nesi *et al.* (2012) concluded that West African *Myonycteris torquata* (Dobson, 1878) differed considerably from the specimens from Central African, which resulted in the recognition of *M. leptodon* as a separate species.

COMMON NAMES:
Czech: kaloň límcový. English: Little Collared Fruit-bat, Little Collared Fruit Bat. French: Petit Myonyctère, Petite Chauve-souris frugivore à collier. German: Kleiner Halskrausen-Flughund. Spanish (Castillian): Zorra Voladora de Collar.

CONSERVATION STATUS:
Global - Listed as Least Concern in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bb; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bb; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004bz; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There are generally no major threats to this species. It is threatened in parts of its range by severe habitat loss, presumably through general logging operations and the conversion of land to agricultural use (Mickleburgh *et al.*, 2008bb; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bb) [in IUCN (2009)] reported that the species has been recorded from Tai National Park (Côte d'Ivoire) and it seems probable that it is present in a number of West African and Central African protected areas. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Myonycteris torquata used to be considered widespread in West Africa and Central Africa, ranging into western East Africa, but since the recognition of *M. leptodon* as a separate species, its distribution range starts from Nigeria and Cameroon into Equatorial Guinea (Rio Muni and Bioko), Gabon, Congo, Central African Republic, Democratic Republic of the Congo, Angola, extreme northwestern Zambia, Rwanda, Uganda and possibly southern Sudan. It is a lowland species found up to 800 m asl.

Nesi *et al.* (2012) did not include specimens from the area between the Dahomey Gap and the Niger delta, and Herkt *et al.* (2017: Appendix S9) were not able to determine a preferential habitat type in that area for either *M. torquata* or *M. leptodon*. However, they were able to determine that the Dahomey Gap was a pronounced break in the habitat suitability predictions of both species. Therefore, they considered the specimens on the western side of the Gap to belong to *leptodon* and on the eastern side to *torquata*.

Native: Angola (Bergmans, 1997; Simmons, 2005: 328; Monadjem *et al.*, 2010d: 554); Cameroon; Central African Republic (Morvan *et al.*, 1999: 1195); Congo (King and Dallimer, 2010: 65); Congo (The Democratic Republic of the) (Bergmans, 1997; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 554); Ethiopia (Lavrenchenko *et al.*, 2004b: 136); Equatorial Guinea (Bioko) (Fahr and Ebigbo, 2003: 128; Simmons, 2005: 328); Gabon; Nigeria (Capo-Chichi *et al.*, 2004: 161); Rwanda; Uganda (Kityo and Kerbis, 1996: 59; Simmons, 2005: 328); Zambia (Bergmans, 1997; Simmons, 2005: 328; Monadjem *et al.*, 2010d: 554).

Presence uncertain: Sudan.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Haiduk *et al.*, 1980; 1981: 223) reported $2n$ = 36, FN = 66, BA = 32, a subtelocentric X chromosome and an acrocentric Y chromosome for specimens from Cameroon. Identical karyotypes were reported by Primus *et al.* (2006) for specimens from Gabon.
Protein / allozyme - Unknown.

DIET:
In Congo, Kipalu (2009: 16) reported *M. torquata* visiting/consuming fruits of *Chlorophora excelsa* (African teak) and *Ficus mucuso*.

Gembu Tungaluna (2012: 102 - 104) reported the following fruits being eaten in the Kisangani area (DRC) during the various seasons: First heavy rain season (September - November): *Uapaca guineensis* Müll.Arg., 1864 (Sugar plum, red cedar, false mahogany, rikio) (19%), *Ficus leprieuri* Miq., 1867 (17%), *Carica papaya* L. (papaya) (11%), *Musanga cecropioides* R.Br. & Tedlie (African corkwood tree, umbrella tree) (11%), *Pseudospondias microcarpa* (A. Rich.) Engl. (8%), *Persea americana* Mill., 1786 (avocado) (8%), *Dacryoides edulis* H.J. Lam (safou, African pear, bush pear, Nsafu, bush butter tree, butterfruit) (8%), *Ficus wildemanniana* Warb. (6%), *Ficus vallis-choudae* Delile (6%), *Ficus mucoso* Welw. (3%), *Spondias cytherea* Sonnerat, 1782 (Ambarella, otaheite apple, great hog plum) (3%).
First mild rain/dry season (December - February): *Elaeis guineensis* Jacq. (African oil palm, macaw-fat) (50%), *Myrianthus arboreus* P.Beauvois, 1805 (giant yellow mulberry, bush pineapple, corkwood) (50%).
Second heavy rain season (March - May): *Pseudospondias microcarpa* (17%), *Musanga cecropioides* (14%), *Spondias cytherea* (9%), *Ficus leprieuri* (8%), *Ficus* sp1 (8%), *Uapaca guineensis* (8%), *Annonidium mannii* (Oliv.) Engl. & Diels (Junglesop) (6%), *Ficus vallis-choudae* (6%), *Ficus wildemanniana* (3%), *Ficus* sp2 (3%), *Dacryoides edulis* (3%), *Elaeis guineensis* (3%), *Parinari excelsa* Sabine (Guinea plum) (3%), Musa sp. (3%)
Second mild rain/dry season (June - August): *Ficus leprieuri* (34%), *Myrianthus arboreus* (33%), *Annonidium mannii* (Junglesop) (33%).

POPULATION:
Structure and Density - Although the species is

infrequently caught in ground level nets, it is commonly caught in canopy nets. In Tai National Park (Côte d'Ivoire) its one of the most common fruit bats (Mickleburgh *et al.*, 2008bb; IUCN, 2009). Trend - 2008 - Stable (Mickleburgh *et al.*, 2008bb; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
In Congo, Bergmans (1979a: 169) caught a female with a large foetus on 25 November, and a male with large, but not active testes on 28 November.

PARASITES:
BACTERIA
Gram-negative bacterium - Of the 40 bats tested by Nowak *et al.* (2017: 6) in the Republic of Congo, 22 tested positive for *E. coli*. One isolate was identified as *E. albertii*.

HAEMOSPORIDA
Lutz *et al.* (2016: 9) examined 7 *M. torquata* specimens from East Africa and found four of them infected with *Hepatocystis* sp. Perkins and Schaer (2016: Suppl.) mention the presence of *Hepatocystis perronae* Landau and Adam, 1971 in bats from the Republic of Congo and the Central African Republic (see also Adam, 1973: 4; Miltgen *et al.*, 1977: 595).

VIRUSES:
Bunyaviridae
Nairovirus
Only three of the 100 specimens from Congo tested by Müller *et al.* (2016: 3) were positive for Crimean Congo hemorrhagic fever virus (CCHFV).

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999 for antibodies to SARS-CoV in sera of seven individuals from Bandundu Province, DRC, one specimen tested positive (1/7, 14.3 %).

Filoviridae - Filo viruses
Ebolavirus
Pourrut *et al.* (2007) showed that there is a homogeneous ZEBOV [Zaire Ebolavirus] infection in the wild populations of *M. torquata* in Gabon and the Democratic Republic of the Congo. Four out of 58 bats had immunoglobulin G (IgG) specific for Ebola in Gabon during a test performed by Leroy *et al.* (2005: 575).

Bausch and Schwarz (2014: 1) and Pigott *et al.* (2014: 9) indicate that *M. torquata* is one of the leading candidates for introducing Ebola in Guinea (together with *Epomops franqueti* and *Hypsignathus monstrosus*). While Vogel (2014: 140) names *M. torquata* the leading suspect for the Ebola outbreak in Guinea in the beginnig of 2014. However, no proof has been provided that this was indeed the case.

Marburgvirus
Towner *et al.* (2007) tested 264 individuals from Gabon for Marburg virus RNA by conventional and real-time RT-PCR and 55 individuals for anti-Marburg virus IgG antibodies by ELISA; no positives were found.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that three of the 111 specimens (2.7 %) they examined from Gabon, Congo and the Democratic Republic of the Congo tested positive for *Henipavirus*.

Rhabdoviridae
Kalemba *et al.* (2017: 409) reported that out of 6 bats examined from the DRC, two tested positive for Lagos Bat Virus neutralizing antibodies.

In their overview table, Maganga *et al.* (2014a: 8) reported that the following viruses were already found on *M. torquata*: Zaire Ebola virus (ZEBOV), Coronavirus (SARS-CoV), Henipavirus.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Cameroon, Central African Republic, Chad, Congo, Congo (Democratic Republic of the), Equatorial Guinea, Gabon, Nigeria, Uganda, Zambia.

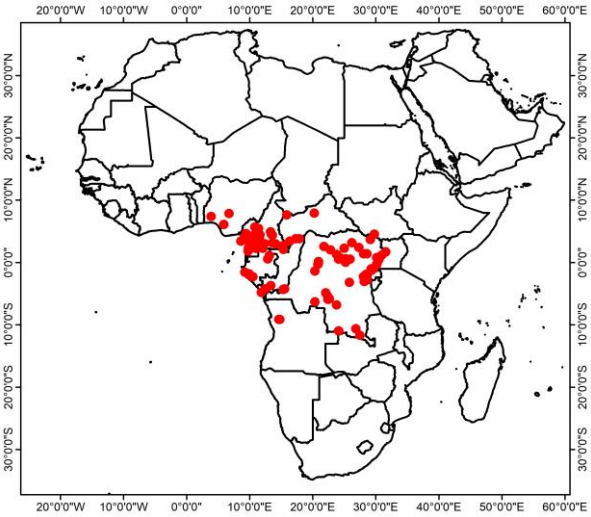

Figure 40. Distribution of *Myonycteris torquata*

Myonycteris torquata torquata (Dobson, 1878)

*1878. *Cynonycteris torquata* Dobson, Catalogue of the Chiroptera of the collection of the British

Museum, xxxvii, 71, 76, pl. 5, fig. 1. Publication date: June 1878. Type locality: Angola: N Angola: Lower Cuanza region: Golungo Alto [Goto Description]. - Comments: Grubb *et al.* (1998: 68) indicate "definite restriction of the type locality is not possible at present (Bergmans, 1976: 210 - 211)". Bergmans (1997: 49) indicates that Bergmans (1976) restricted the type locality to "Lower Cuanza Region" and the area was restricted to Golungo Alto by Crawford-Cabral (1989).

1971. *M[yonycteris (Myonycteris)] t[orquata] torquata:* Hayman and Hill, in: Meester and Setzer, The mammals of Africa. Order Chiroptera, 12. (Name Combination)

? *Myonycteris (Myonycteris) torquata torquata:* (Name Combination)

? *Myonycteris torquata torquata:* (Name Combination)

VIRUSES:
Nesi *et al.* (2012: 126) suggest that the high nucleotide distance between Ebola virus Côte d'Ivoire and Ebola virus Zaire can be correlated with the Plio/Pleistocene divergence between their putative reservoir host species, i.e., *Myonycteris torquata leptodon* and *Myonycteris torquata torquata*, respectively.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon.

Myonycteris torquata wroughtoni K. Andersen, 1908

*1908. *Myonycteris wroughtoni* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 2 (11): 450. Publication date: 1 November 1908. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Likandi river [=Litaki river] [03 20 N 26 10 E] [Goto Description]. Holotype: BMNH 1907.7.8.25: ad ♂, skin and skull. Collected by: The Alexander-Gosling Expedition; collection date: 18 April 1906. See Andersen (1908c: 450); Bergmans (1997: 50). Paratype: BMNH 1907.7.8.26: ♂. - Etymology: In honour of Mr. Robert Charles Wroughton, who assisted in working out the mammals collected during the Alexander-Gosling Expedition: see Andersen (1908c: 450).

1971. *M[yonycteris (Myonycteris] t[orquata] wroughtoni:* Hayman and Hill, in: Meester and Setzer, The mammals of Africa. Order Chiroptera, 13. (Name Combination)

1971. *Myonycteris torquata wroughtoni:* Jones, J. Mamm., 52 (1): 129. Publication date: February 1971. (Name Combination, Current Combination)

? *Myonycteris (Myonycteris) torquata wroughtoni:* (Name Combination, Current Combination)

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Congo (Democratic Republic of the).

Genus ***Nanonycteris*** Matschie, 1899

*1899. *[Epomophorus (]Nanonycteris[)]* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, 35, 58 [Goto Description]. - Comments: Described as a subgenus of *Epomophorus* Bennett, 1836. Type species: *Epomophorus veldkampii* Jentink, 1888. Matschie dated his introduction on 14 May 1899. - Etymology: From the Greek "*νάνος*", meaning dwarf and "*νυκτερισ*", meaning bat (see Palmer, 1904: 448).

1943. *Nannonycteris:* Pohle, Sber. Ges. naturf. Freunde Berlin, 78 (for 1942). (Lapsus)

? *Epomophorus:* - Comments: Not of Gray, 1836.

? *Nanonycteris:* (Name Combination, Current Combination)

TAXONOMY:
Revised by Bergmans (1989). See Simmons (2005: 328).

Included in the Epomophorinii tribe by Bergmans (1997: 69) and Almeida *et al.* (2016: 83), which was considered part of the Epomophorinae by the former and of the Rousettinae by the latter.

Known species of *Nanonycteris*: ***veldkampii*** (Jentink, 1888).

COMMON NAMES:
Czech: Veldkampovi kaloni. English: Dwarf Fruit-bats, Little Flying Cow. French: Roussettes naines. German: Zwergflughunde.

Nanonycteris veldkampii (Jentink, 1888)

*1888. *Epomophorus veldkampii* Jentink, Notes Leyden Mus., 10: 51 (for 1887). Publication date: April 1888. Type locality: Liberia: Fisherman Lake: Buluma [06 43 N 11 14 W] [Goto Description]. Holotype: RMNH [unknown]: ad ♀, alcoholic (skull not removed). Collected by: Johan Büttikofer and C.F. Sala; collection date: Jan-April 1882. - Etymology: Jentink (1887b: 52) states: "I call this new species *veldkampii*, as Büttikofer wishes to connect the name of one of his Liberian friends with this new acquisition. Mr. Veldkamp, at present Consul for the Netherlands in Liberia, has helped our travellers as much as he could, has promoted their investigations in every way and finally assisted to Sala's funeral.".
2000. *Nanonycteris weldkampi:* Konstantinov, Pema, Labzin and Farafonova, Plecotus et al., 3: 145. (Lapsus)
2015. *N[anonycteris] Weldkampi:* Sylla, Pourrut, Diatta, Diop, Ndiaye and Gonzalez, Afr. J. Microbio. Res., 9 (22): 1464. Publication date: 3 June 2015. (Lapsus)
? *Epomophorus (Nanonycteris) veldkampii:* (Name Combination)
? *Nanonycteris veldkampii:* (Name Combination, Current Combination)

TAXONOMY:
See Bergmans (1989) and Simmons (2005: 328).

COMMON NAMES:
Czech: kaloň Veldkampův. English: Veldkamp's Dwarf Fruit-bat, Veldkamp's Bat, Little Flying Cow, Flying Calf. French: Roussette naine de Veldkamp, Chauve-souris de Veldkamp, Nanonyctère, Petite vache-volante. German: Veldkamps Zwergflughund.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a degree of habitat modification, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008be; IUCN, 2009).

Assessment Histroy -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008be; IUCN, 2009). 2004 - LC ver 3.1 (2001) [as *Nonoycteris veldkampi*] (Mickleburgh *et al.*, 2004cb; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
In general there appear to be no current major threats to this species as a whole. The species is dependent on certain food trees where they visit flowers, and habitat degradation might be a problem in parts of the range (Mickleburgh *et al.*, 2008be; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008be) [in IUCN (2009)] report that, in view of the species wide range, it seems probable that it is present in a number of protected areas. There is a need to determine if there have been any local declines in this species resulting from the loss of food trees.

GENERAL DISTRIBUTION:
Nanonycteris veldkampii is widely distributed in West Africa and western parts of Central Africa. It ranges from Guinea and Sierra Leone in the west, through each country in West Africa to Cameroon, with a single record from the southern region of Central African Republic. It is generally a lowland species, but has been recorded up to 1,200 m asl.

Native: Benin (Capo-Chichi *et al.*, 2004: 161); Burkina Faso (Kangoyé *et al.*, 2012: 6023; 2015a: 605); Cameroon; Central African Republic; Côte d'Ivoire (Heim de Balsac, 1934b: 24); Ghana (Decher and Fahr, 2007: 12); Guinea (Denys *et al.*, 2013: 281); Liberia (Monadjem and Fahr, 2007: 50); Nigeria; Sierra Leone; Togo.

HABITAT:
Monadjem *et al.* (2016y: 364) indicate that this species occurs in forested habitats between 500 and 1200 m in the Mount Nimba area of Liberia and Guinea.

ROOST:
N. veldkampii roosts singly or in small groups of well-spaced individuals (Kunz, 1996: 44).

MIGRATION:
Thomas (1983) [in Kangoyé *et al.* (2015a: 605)] reported that this species migrates during the wet season from the forest zone to the northern Sudanian zone.

DIET:
Ayensu (1974) reports feeding visits to *Parkia clappertonia* (Dawadawa), *Ceiba pentandra* (Silk-Cotton tree or Kapok tree), *Psidium guajava* (Guava tree), and *Carica papaya* (Papaya or pawpaw).

Fahr (2011a: 114) shows a picture of *N. veldkampii* feeding on *Cola cordifolia*.

Seltzer *et al.* (2013: table S2) provide an overview of the plant species found beneath bat feeding roosts. For *N. veldkampii* this included *Psidium guajava* L. (apple guava - Myrtaceae).

POPULATION:
Structure and Density - This species can be abundant, although this partly depends on migration patterns (Mickleburgh *et al.*, 2008be; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008be; IUCN, 2009).

PARASITES:
HAEMOSPORIDA
Witsenburg *et al.* (2012: Suppl. Table 1) report on GenBank data for *Hepatocystis*, retrieved from *N. veldkampii*. These parasites were also reported by Schaer *et al.* (2013a: "2") from six out of 8 investigated bats.

VIRUSES:
Filoviridae - Filoviruses
Ebolavirus
One out of four specimens tested by Hayman *et al.* (2012d: 1208) in the Greater Accra region, Ghana, was positive for EBOV antibodies.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) reported that none of the 23 specimens they examined from Ghana tested positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

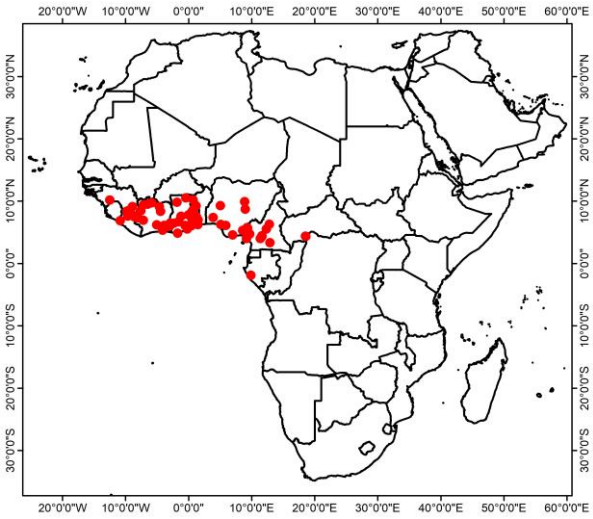

Figure 41. Distribution of *Nanonycteris veldkampii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Gabon, Ghana, Guinea, Liberia, Nigeria, Sierra Leone, Togo.

Genus ***Plerotes*** K. Andersen, 1910

*1910. *Plerotes* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 5 (25): 97. Publication date: 1 January 1910. - Comments: Type species: *Epomophorus anchietæ* Seabra, 1900. - Etymology: From the Greek "*πλεροτες*", meaning one who renders full or complete. (Current Combination)
2014. *Plerote:* Ndara R., IJISR, 12 (1): 253. Publication date: November 2014. (Lapsus)

TAXONOMY:
Revised by Bergmans (1989). See Simmons (2005: 333).

Included in the Plerotini tribe by Bergmans (1997: 69) and Almeida *et al.* (2016: 83), which was considered part of the Epomophorinae by the former and of the Rousettinae by the latter.

Known species of *Plerotes*: ***anchietae*** (Seabra, 1900).

COMMON NAMES:
Czech: pyložraví kaloni. English: Plerote Fruit-bats, Plerotes Fruit-bats. French: Plérotes. German: Breitgesicht-Flughunde.

Plerotes anchietae (Seabra, 1900)

*1900. *Epomophorus anchietæ* Seabra, J. Sci. mat. phys. nat., ser. 2, 6: 116. Publication date: August 1900. Type locality: Angola: Benguela district: East of Hanha: Galanga [12 04 S 15 09 E]. Holotype: MLZA 481a: ♀, mounted skin and skull. Collected by: José Alberto de Oliveira Anchieta. Neotype: CZL 31-59026: imm ♀. Collected by: Jaime V. Santos; collection date: 8 December 1959. Designated by Bergmans (1989: 144). - Comments: Andersen (1912b: 487) mentions: "Type, in the Lisbon Museum, an adult female, mounted,

skull extracted, obtained by Sr. Anchieta.".
2014. *Plerote anchetae:* Ndara R., IJISR, 12 (1): 253. Publication date: November 2014. (Lapsus)
? *Epomophorus anchietae:* (Name Combination)
? *Epomophorus n. sp.:*
? *Nanonycteris veldkampii:* - Comments: Not of Jentink, 1888. (Lapsus)
? *Plerotes ancheilae:* (Lapsus)
? *Plerotes anchietae:* (Name Combination, Current Combination)
? *Plerotes anchietai:* (Lapsus)

TAXONOMY:
Koopman (1993a: 145) mentions this name as *anchietai*, whereas Allen (1939a: 59) and Kock (1969a: 114) use *anchietae*. See Simmons (2005: 333).

Almeida *et al.* (2016: 82) found that the only adult male specimen (SMF 85744 from Malawi) showed some interesting morphological features (i.e. a ruff of enlarged, clustered glandular hairs) that link *Plerotes* to the myonycterines (*Megaloglossus* and *Myonycteris*).

COMMON NAMES:
Czech: kaloň pyložravý. English: Anchieta's Plerote Fruit-bat, Benguela Fruit-bat, D'Anchieta's Fruit Bat, Anchieta's Fruit Bat. French: Plérote d'Anchieta, Chauve-souris frugivore d'Anchieta. German: Anchietas Breitgesicht-Flughund. Kiluba (DRC): Mulima.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Mickleburgh *et al.*, 2008br; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2008br; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2004ch; IUCN, 2004). 2000 - DD (Hilton-Taylor, 2000). 1996 - VU (Baillie and Groombridge, 1996). 1994 - Rare (Groombridge, 1994).

MAJOR THREATS:
Within the Angolan and Malawian parts of the species range it may be threatened by habitat destruction resulting from agricultural development, collection of timber and firewood, and setting of fires by poachers (Mickleburgh *et al.*, 2008br; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008br) [in IUCN (2009)] report that although there appear to be no direct conservation measures in place, it has been recorded from a number of protected areas in Malawi and the Democratic Republic of the Congo. Further field surveys are needed to better determine the current status of this poorly known species.

GENERAL DISTRIBUTION:
Plerotes anchietae is largely known from scattered records in Central Africa. Most reports of this species are from the 1950's in Angola, the Democratic Republic of the Congo, Malawi and Zambia. A single specimen was collected in Malawi in 1997. It has been recorded between 1,000 and 2,000 m asl (Bergmans, 1989).

Native: Angola (Bergmans, 1989; Monadjem *et al.*, 2010d: 555); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Bergmans, 1989; Monadjem *et al.*, 2010d: 555); Malawi (Kock *et al.*, 1998a; Monadjem *et al.*, 2010d: 555); Zambia (Bergmans, 1989; Monadjem *et al.*, 2010d: 555).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Harrison (1960c: 68) described the colour of the hairs on the dorsal surface of a subadult male from Zambia as "terminally a uniform light brown (nearest to Suntan Merida+Mayfair Tan-, Plates 13 and 7B, Maerz and Paul, 1950), becoming a little more rufous on the tibiae. The bases of the hairs are paler, buffy coloured". On the ventral surface, the pelage is "pale greyish buff, without any indication of a darker neck band".

DENTAL FORMULA:
The dental formula is i $^{1}/_{2}$ c $^{1}/_{1}$ p $^{3}/_{3}$ m $^{1}/_{3}$. Harrison (1960c: 69) also indicates that almost all known specimens of the genus *Plerotes* have some difference in the dental formula.

FUNCTIONAL MORPHOLOGY:
Harrison (1960c: 69) indicates that the tongue is 20 mm long (sub-equal to the mandibular length) and 9.5 mm wide at the base of the epiglottis. The dorsal tip and anterior quarter is covered with filiform papillae.

POPULATION:
Structure and Density - It appears to be a rare, or at least a rarely recorded, species (Mickleburgh *et al.*, 2008br; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*,

2008br; IUCN, 2009).

VIRUSES:
Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that single specimen they examined from Gabon did not test positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Congo (Democratic Republic of the), Malawi, Zambia.

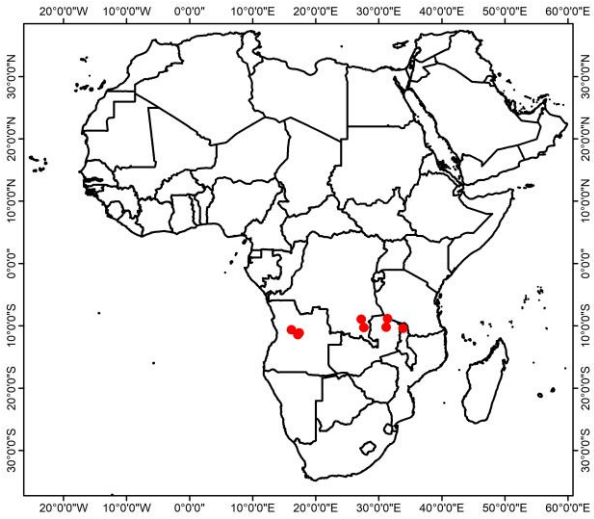

Figure 42. Distribution of *Plerotes anchietae*

Genus ***Rousettus*** Gray, 1821

*1821. *Rousettus* Gray, London Med. Repos., 15: 299. Publication date: 1 April 1921. - Comments: Type species: *Pteropus Egyptiacus* E. Geoffroy Saint-Hilaire, 1810. Not *Pteropus aegyptiacus* Geoffroy, 1818 (see Corbet and Hill, 1992: 67). - Etymology: From the French "*rousette*" for the rosette of glandular hairs on the neck of males (see Flannery, 1995a: 304) or from the French "*rousse*" for reddish or reddish brown, referring to the fur colour of the earliest specimens taken in Egypt (see Kwiecinski and Griffiths, 1999: 7). (Current Combination)

1829. *Cercopteropus* Burnett, Quart. J. Sci., Lit. and Art, pt. 1, art. 5, p. 269. Publication date: April - June 1829. - Comments: Type species: *Pteropus aegyptiacus* E. Geoffroy Saint-Hilaire, 1818 (Designated by Andersen, 1912b: 23). Burnett (1829: 269) did mention both *Ægyptiacus* and *Amplexicaud* [for *amplexicaudata*] as being included in his genus. - Etymology: From the Greek "*κέρκος*", meaning tail and "*Pteropus*" (see Palmer, 1904: 172).

1843. *Xantharpyia* Gray, Catalogue of the species of mammals of the British Museum, xix, 37. Publication date: 13 May 1843. - Comments: Type species: *Pteropus amplexicaudatus* E. Geoffroy Saint-Hilaire, 1810. - Etymology: From the Greek "*ξανθός*", meaning yellow and *Harpyia* from the characteristic colour (see Palmer, 1904: 710).

1844. *Eleutherura* Gray, Mammalia, in Voyage "Sulphur", Zool., 1: 29. - Comments: Type species: *Pteropus leachii* A. Smith, 1829 (=*Pteropus aegyptiacus* E. Geoffroy Saint-Hilaire, 1810). Andersen (1912b: 24) mentions *Pteropus hottentotus* Temminck, 1832 as type species, which is a synonym of *P. leachi* A. Smith 1829. Preoccupied by *Eleutherura* Gray, 1843; nom. nud. (Andersen, 1912b: 16; Meester *et al.*, 1986: 28; Pavlinov *et al.*, 1995: 61). Allen (1939a: 61) indicates that Gray (1843 - List. Spec. Mamm. Brit. Mus., p. xix) is a nomen nudum, but that it is redescribed in the 1844 publication. - Etymology: From the Greek "*ἐλεύθερος*", meaning free and "*οὐρά*", meaning tail, referring to having the tail free from the interfemoral membrane (see Palmer, 1904: 255).

1852. *Cynonycteris* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 25 [Goto Description]. - Comments: Type species: *Pteropus collaris* Liechtenstein [not Illiger] (=*Pteropus aegyptiacus* E. Geoffroy Saint-Hilaire, 1810). - Etymology: From the Greek "*κύων*" or "*κυνός*", meaning dog and "*νυκτερις*", meaning bat, probably referring to the dog-like head (see Palmer, 1904: 212).

1870. *Senonycteris* Gray, Catalogue of Monkeys, Lemurs and Fruit-eating bats in the collection of the British Museum London, 115. - Comments: Type species: *Pteropus seminudus* Kelaart, 1850 (=*Pteropus lechenaulti* Desmarest, 1820). Described as subgenus of *Xantharpyia*.

1899. *Mynonycteris* Matschie, Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde, p. 63.

1906. *Roussettus (Xantharpyia):* Johnston, Liberia, Volume II: 690. (Name Combination, Lapsus)

1906. *Roussettus:* Johnston, Liberia, Volume II: 688. (Lapsus)
1992. *Rosetus:* Agrawal, Das, Chakraborty, Ghose, Mandal, Chakrabo, Zoological Survey of India, State Fauna Series 3, 49. - Comments: Lapsus. See Bergmans (1994: 82). (Lapsus)
1999. *Rosettus:* Buffenstein, Maloney and Bronner, S. Afr. J. Zool., 34 (1): 16. (Lapsus)
2015. *Rousettes:* Lee, Kulcsar, Elliott, Khiabanian, Nagle, Jones, Amman, Sanchez-Lockhart, Towner, Palacios and Rabadan, BMC Genomics, 16 (1033): 1. Publication date: 7 December 2015. (Lapsus)

TAXONOMY:
Meester *et al.* (1986) mention that the inclusion of *Lissonycteris* as a subgenus of *Rousettus* is open to question. Lawrence and Novick (1963) maintain that *Lissonycteris* should be regarded as a valid genus, more closely related to *Myonycteris* Matschie, 1899, than to *Rousettus*. In this, they are followed by Rosevear (1965), Ansell (1978), Corbet and Hill (1980), Almeida *et al.* (2011a), and Patterson and Webala (2012). Koopman (1975), on the other hand, concludes that although there is a close relationship between *Lissonycteris* and *Myonycteris*, the relationship of *Lissonycteris* with *Rousettus* is sufficiently close for it to be retained as subgenus. Koopman (1982) again treats *Lissonycteris* as a subgenus, as is done also by Hayman and Hill (1971). Bronner *et al.* (2003), following Lawrence and Novick (1963), separated *Lissonycteris* from *Rousettus* because of ethological differences concerning the use of the limbs, and the absence of echolocation in *Lissonycteris*. Juste B. *et al.* (1997) presented allozyme evidence corroborating earlier chromosome studies (Haiduk *et al.*, 1980, 1981), DNA-hybridisation results (Kirsch *et al.*, 1995) and cladistic analysis (Springer *et al.*, 1995) that support the recognition of *Lissonycteris* as a distinct genus. Three subgenera are often recognized (*Rousettus*, *Boneia*, and *Stenonycteris*), although Bergmans (1994), rejected the use of subgenera for the African species (Simmons, 2005: 347).

A key to the species is provided by Kwiecinski and Griffiths (1999: 1, Mammalian Species, 611).

Included in the Rousettini tribe by Almeida *et al.* (2016: 83).

Known species of *Rousettus*: ***aegyptiacus*** (E.Geoffroy, 1810); *amplexicaudatus* (E. Geoffroy, 1810) – Cambodia, Thailand, Burma, and Laos, Peninsular Malaysia through Indonesia, Java, and Bali, Philippines; New Guinea, Bismarck Archipelago, Solomon Islands (Simmons, 2005: 347); *bidens* (Jentink, 1879) – northern Sulawesi (Indonesia) (Simmons, 2005: 347); *celebensis* K. Andersen, 1907- Sulawesi, Mangole, Sanana, Sangihe Islands (Indonesia) (Simmons, 2005: 347); *leschenaulti* (Desmarest, 1820) – Sri Lanka, Pakistan to Vietnam and southern China, Peninsular Malaysia, Sumatra, Java, Bali, and Mentawai Islands (Indonesia) (Simmons, 2005: 348); *linduensis* Maryanto and Yani, 2003 – central Sulawesi (Simmons, 2005: 348); ***madagascariensis*** G. Grandidier, 1928; ***obliviosus*** Kock, 1978; *spinalatus* Bergmans and Hill, 1980 – Sumatra, Borneo (Simmons, 2005: 348).

COMMON NAMES:
Czech: egyptští kaloni, noční kaloni, psi noční. English: Rousettes, Rousette Fruit-bats. French: Roussettes. German: Höhlenflughunde. Italian: Rossétti.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Horácek *et al.* (2013b: 1) report on two tooth fragments from the Middle Pleistocene Israeli site Qesem Cave, which they tentatively attribute to cf. *Rousettus* sp. If this identification is confirmed, they suggest that the current Mediterranean population of *R. aegyptiacus* could be seen as a paleochoric element. However, the teeth they report on are larger than similar teeth in extant *R. aegyptiacus* specimens, so they might be from a different species or there might have been phenotypic rearrangements such as increased body size (as they suggest on page 13).

BIOGEOGRAPHY:
Several hypotheses have been proposed about the origin of the genus *Rousettus* on the phylogenetic inference, and centers of diversity pinpoint a southeastern Asian origin (Juste B. *et al.*, 1999). Three separate routes have been suggested for western expansion of pteropodids into Africa, via a middle Asian-European-Gibraltar route, a middle-Asian, Middle Eastern route, and an Indian subcontinent-western Indian Ocean, east African route (Juste B. *et al.*, 1999). Giannini and Simmons (2003, 2005) support the Middle Eastern route with the Afrotropical clade composed of *R. aegyptiacus* and *R. madagascariensis* being the sister group to *R. leschenaulti*.

Almeida *et al.* (2016: 82) indicate that *Rousettus* expanded from Asia into Africa in the late Pliocene or early Pleistocene, where the continental *R.*

aegyptiacus already split off in the early Pleistocene, slightly later followed by a split of the two island forms.

PARASITES:
DIPTERA
Nycteribiidae: *Tripselia blainvillii* (Leach 1817) single record (Haeselbarth *et al.*, 1966: 113).

Morse *et al.* (2013: Suppl. 1) refer to *Dipseliopoda biannulata* collected from a non-specified Kenyan *Rousettus* specimen.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Gabon, Kenya, Malawi, South Africa, Tanzania, Uganda.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)

*1810. *Pteropus Egyptiacus* E. Geoffroy Saint-Hilaire, Ann. Mus. Hist. nat. Paris, 15: 96. Type locality: Egypt: Giza province: Giza: Great Pyramid [30 01 N 31 13 E]. Holotype: MNHN A.70: ad ♀. Allotype: MNHN A.69: ♂, mounted skin (skull not removed). Collected by: Etienne Geoffroy-Saint-Hilaire. Rode (1941: 234) also mentions numbers 762A and 167a. Andersen (1912b: 32) mentions that there were several specimens, but only one was still present: an adult male (A.69). - Comments: Type locality originally "la basse Egypte - le plafond d'une des chambres de la grande Pyramide". See Kwiecinski and Griffiths (1999: 1). Type MNHN A.70 (ad ♀, alcoholic and skull: Qumsiyeh, 1985: 13). - Etymology: The name is derived from the fact that the species was originally described from a specimen from the Great Pyramid of Giza in Egypt (see Smithers, 1983: 63).

1818. *Pteropus aegyptiacus* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 134, pl. 3, No 2. Holotype: MNHN A.70: ad ♀, skull and alcoholic. Collected by: Etienne Geoffroy-Saint-Hilaire. See Qumsiyeh (1985: 13). Number 167 in Rode (1941). - Comments: Emendation of *egyptiacus*. Unjustified according to Corbet and Hill (1992: 67), justified according to Kock (2001c). - Etymology: From the scientific Latin masculine adjective *aegyptiàcus*, meaning "Egyptian", as the species was described from an Egyptian specimen (see Lanza *et al.*, 2015: 69). (Emendation)

1823. *Pteropus collaris* Lichtenstein, Verzeichniss der Doubletten des Zool. Mus. K. Univ. Berlin, 3, 5. Type locality: South Africa: "Terra Caffrorum". - Comments: Preoccupied by *Pteropus collaris* Illiger, 1815; see Kwiecinski and Griffiths (1999: 1).

1825. *Pteropus geoffroyi* Temminck, Monogr. Mamm, 1 (5): 197, pl. 15, f. 14, 15. Type locality: Senegal: Senegal and north coast of Africa. - Comments: Meester *et al.* (1986: 29) mention that the type locality is restricted to Giza, Egypt by Koopman (1975: 361). Andersen (1912b: 32) mentions it as a replacement name for *R. aegyptiacus*, since "vu que l'espèce se trouve au Sénégal, et probablement sur toute la côte septentrionale d'Afrique," [= "in view of the fact that the species occurs in Senegal and probably over the the entire northern coast of Africa."].

1827. *Pteropus amphiplexicaudatus:* Temminck, Monogr. Mamm. Type locality: South Africa: Cape. - Comments: Probably a lapsus which should be assigned to Roberts (1951: 55) since that author mentions it as "not of Geoffroy", which would probably refer to *amplexicaudatus*. (Lapsus)

1829. *Pteropus Leachii* A. Smith, Zool. Journ., 4 (16): 433. Publication date: May 1829. Type locality: South Africa: Gardens about Cape Town [ca. 33 56 S 18 28 E] [Goto Description]. Paratype: SMF 891: juv ♂, skin and skull. Cotype: BMNH 1875.11.3.2: ad ♀, alcoholic (skull not removed). Collected by: Sir Andrew Smith. Exchanged by G.E. Dobson (see Andersen, 1912b: 28). - Etymology: In honour of the celebrated naturalist, Dr. Leach, F.R.S. (see Smith, 1829: 433).

1832. *Pteropus hottentottus*Temminck, in: Smuts, Enumer. Mamm. Capensium, 3. Type locality: South Africa: Cape province: originally ""circa urbem apensem" see Andersen (1912b: 28), restricted to Capt Town.: Cape Town [33 56 S 18 28 E]. - Comments: Mentioned as "*hottentotus*" by), Simmons (2005), but as *hottentottus* by Allen (1939a: 62), Roberts (1951: 55), Meester *et al.* (1986: 29), Kwiecinski and Griffiths (1999). Andersen (1912b: 29) mentions that the type is in the RMNH, but also indicates that there are "authentic specimens" in the BMNH: 1837.4.28.33-34, 38, 40, 67 (4 ad + 1 imm; sks and skulls), from "near Cape Town" (J. Smuts), and purchased from the Leyden Museum.

1862. *Xantharpyia ægyptiaca:* Gerrard, Catalogue of the bones of Mammalia in the collection of the British Museum, 57. Type locality: Egypt. (Name Combination)

1862. *Xantharpyia leachii:* Gerrard, Catalogue of the bones of Mammalia in the collection of the British Museum, 57.

1870. *Eleutherura unicolor* Gray, Catalogue of Monkeys, Lemurs and Fruit-eating bats in the collection of the British Museum London, 117. Type locality: Gabon: "Gabon" [Goto Description]. Holotype: BMNH 1862.8.26.1: ad ♂, skin and skull. Purchased Verreaux: see Andersen (1912b: 32).

1906. *R[oussettus (Xantharpyia)] collaris:* Johnston, Liberia, Volume II: 690. (Lapsus)

1908. *Rousettus sjöstedti* Lönnberg, Wiss. Ergebn. Swedischen Zool. Exp. u. Leitung Sjöstedt, Kilimandjaro-Meru, 1 (2): 7. Type locality: Tanzania: near Tanga: Mkulumusi caves. [Goto Description]. Holotype: NRM [unknown]: ad ♀, alcoholic (skull not removed). Collected by: Bror Yngve Sjöstedt; collection date: 4 May 1905. Kilimandjaro-Meru Expedition. See Lönnberg (1908b: 7) and Andersen (1912b: 810).

1911. *Cynonycteris collaris:* Mitchell, Proc. zool. Soc. Lond., 1911, II: 444. Publication date: 6 July 1911.

1960. *Rousettus aegyptiacus occidentalis* Eisentraut, Bonn. zool. Beitr., 10: 231, figs 8, 13 (for 1959). Publication date: 10 January 1960. Type locality: Cameroon: N side of Mount Cameroon: Mueli [04 23 N 09 07 E, ca. 600 m]. Holotype: ZFMK 1959.0450: ad ♂, skin and skull. Collected by: Prof. Dr. Martin Eisentraut; collection date: 20 February 1958; original number: 648. Paratype: ZFMK 1961.0575: Collected by: Prof. Dr. Martin Eisentraut; collection date: January 1958. Lager IV [= Camp IV], near lake Koto Barombi, 120 m, N side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0576: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0577: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0578: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0579: Collected by: Prof. Dr. Martin Eisentraut; collection date: January 1958. Lager IV [= Camp IV], near lake Koto Barombi, 120 m, N side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0580: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0581: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0582: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0583: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0584: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0585: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0586: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0587: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0588: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0589: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0590: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0591: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0592: Collected by: Prof. Dr. Martin Eisentraut; collection date: November 1957. Lager I [= Camp I], above Buea, 1,600 m (see Hutterer, 1984: 29; Hutterer and Peters,

2010: 10). Paratype: ZFMK 1961.0593: Collected by: Prof. Dr. Martin Eisentraut; collection date: November 1957. Lager I [= Camp I], above Buea, 1,600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0594: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0595: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0596: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0597: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0598: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0599: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0600: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0601: Collected by: Prof. Dr. Martin Eisentraut; collection date: January 1958. Lager IV [= Camp IV], near lake Koto Barombi, 120 m, N side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1961.0602: Collected by: Prof. Dr. Martin Eisentraut; collection date: February 1958. Lager V [= Camp V], above Mueli, 600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0208a: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0208b: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0208c: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0208d: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0208e: Collected by: Prof. Dr. Martin Eisentraut; collection date: March 1958. Lager VI [= Camp VI], Isobi, 30 m, W side Mount Cameroon (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0209a: Collected by: Prof. Dr. Martin Eisentraut; collection date: November 1957. Lager I [= Camp I], above Buea, 1,600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0209b: Collected by: Prof. Dr. Martin Eisentraut; collection date: November 1957. Lager I [= Camp I], above Buea, 1,600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0209c: Collected by: Prof. Dr. Martin Eisentraut; collection date: November 1957. Lager I [= Camp I], above Buea, 1,600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0209d: Collected by: Prof. Dr. Martin Eisentraut; collection date: November 1957. Lager I [= Camp I], above Buea, 1,600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0209e: Collected by: Prof. Dr. Martin Eisentraut; collection date: November 1957. Lager I [= Camp I], above Buea, 1,600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10). Paratype: ZFMK 1963.0209f: Collected by: Prof. Dr. Martin Eisentraut; collection date: November 1957. Lager I [= Camp I], above Buea, 1,600 m (see Hutterer, 1984: 29; Hutterer and Peters, 2010: 10).

1974. *Rousettus aegyptiacus unicolor:* Bergmans, Bellier and Vissault. (Name Combination)

1993. *Rousettus aegyptiacus thomensis* Feiler, Haft and Widmann, Faun. Abh. Mus. Tierk. Dresden, 19 (4): 22. Publication date: 1 July 1993. Type locality: São Tomé and Principé: São Tomé Island: Generosa [ca. 800 m] [Goto Description]. Holotype: SMTD 16753: ad ♂, skin and skull. Collection date: 26 March 1991. See Feiler *et al.* (1993: 22 - 23). Paratype: SMTD ad ♂, skin and skull. See: 22 - 23). Paratype: SMTD ad ♀, skin and skull. See: 22 - 23).

1993. *Rousettus aegyptiacus tomensis* Juste and Ibáñez, Zool. J. Linn. Soc., 107: 124. Type locality: São Tomé and Principé: São Tomé Island: Bindá (Santa Catarina) [00 16 N 06 29

E].

1993. *Roussetus aegyptiacus princeps* Juste and Ibáñez, Zool. J. Linn. Soc., 107: 123. Type locality: São Tomé and Principé: Principé Island: 2 km S of Santo Antonio de Principé: Roça Bela Vista [ca. 01 37 N 07 27 E].
2006. *Rousettus egyptiacus:* Nogales, Rodríguez-Luengo and Marrero, Mammal Rev., 36 (1): 49. Publication date: January 2006. (Lapsus)
2008. *Rousettus aegyptiacu:* Selim, Nahla, and Shelfeh, Tishreen Univ. J. Res. Sci. Stud. - Biol. Sci. Ser., 30 (1): 249. (Lapsus)
2008. *Rousettus occidentalis:* Benda, Vespertilio, 12: 109. (Name Combination)
2011. *Rousettus aegyptiacusi:* Hickey, Jüllig, Aitken, Loomes, Hauber, and Phillips, Ageing Res. Revs, 11 (2): 249 (for 2012). Publication date: 13 December 2011. (Lapsus)
2012. *R[ousettus] a[egyptiacus] egyptiacus:* Hulva, Marešová, Dundarova, Bilgin, Benda, Bartonicka and Horácek, Mol. Ecol., 21 (24): 6105. Publication date: 24 October 2012. (Lapsus)
2013. *Rousettus aegypticus:* Liu, Wang, Zhang, Li, He, Huang, Jiang, Murphy and Shi, Proc. R. Soc. Lond., B 281 (1776): 20132950 3 (for 2014). Publication date: 18 December 2013. (Lapsus)
2015. *Rousettus aegypticus leachii:* Kaipf, Rudolphi and Meinig, NABU - Biodiversity Assessment in Kafa, Ethiopia, 7. (Lapsus)
2015. *Rousettus aegypticus occidentalis:* Sylla, Pourrut, Diatta, Diop, Ndiaye and Gonzalez, Afr. J. Microbio. Res., 9 (22): 1468. Publication date: 3 June 2015. (Lapsus)
? *Cynonycteris ægyptiaca:* - Comments: see: Günther (1880: 741) as synonym of *Cynonycteris collaris*. (Name Combination)
? *Pteropus ægyptiacus* - Comments: Günther (1880: 741) refers to a list by Kotschy and published in Unger and Kotschy's 'Die Insel Cypern'. (Alternate Spelling)
? *Rousettus (Rousettus) aegyptiacus leachii:* (Name Combination)
? *Rousettus (Rousettus) aegyptiacus:* (Name Combination)
? *Rousettus aegyptiacus aegyptiacus:* (Name Combination)
? *Rousettus aegyptiacus arabicus:* (Name Combination)
? *Rousettus aegyptiacus leachi:* (Name Combination)
? *Rousettus aegyptiacus leachii:* (Name Combination)
? *Rousettus aegyptiacus leacii:* (Lapsus)
? *Rousettus aegyptiacus:* (Name Combination, Current Combination)
? *Rousettus arabicus:*
? *Rousettus collaris:*
? *Rousettus leachi:*

TAXONOMY:

Andersen (1912b) recorded *R. aegyptiacus*, *R. arabicus* and *R. leachii* as species in the genus *Rousettus*. Miller (1912) and Ellerman and Morrison-Scott (1951) recognized *R. arabicus* as a valid species. Harrison (1964a) stated that *R. aegyptiacus* is represented by the subspecies *R. a. aegyptiacus* and *R. a. arabicus*. Bergmans (1994) recognised *R. a. aegyptiacus*, *R. a. leachii*, *R. a. unicolor*, and *R. a. arabicus* as valid subspecies.

Corbet and Hill (1992) corrected Geoffroy Saint-Hilaire's spelling of *Rousettus aegyptiacus* to *R. egyptiacus*, a change endorsed by Koopman (1993a: 152) and Bergmans (1994). Kock (2001c), however, has presented a detailed and convincing case for regarding *egyptiacus* as an incorrect original spelling and treating *aegyptiacus* as the valid name (Bronner *et al.* (2003). Kock (1969a: 16), Qumsiyeh *et al.* (1992: 104) and Horácek *et al.* (2000) state that Geoffroy Saint-Hilaire (1818: 134) already corrected the spelling to *aegyptiacus*. Allen (1939a: 62) also indicates that it was a misprint in the 1810 publication, which was corrected in the 1818 publication.

Meester *et al.* (1986) state that, while *leachii* is clearly the Southern African subspecies extending well beyond the limits of this subregion, Hayman and Hill (1971) mention that intergradation with *aegyptiacus* may occur in the equatorial zone. Koopman (1975: 361) indicates that in the Sudan there is a hiatus between the ranges of these two sub-species, and he remarks that if they make contact it will be in Ethiopia, north of the equator. See Simmons (2005: 347).

Horácek *et al.* (2010: 175) indicate that the specimens from the Mediterranean area differ with more than 10 % in their mtDNA from the Sub-Saharan populations, which might suggest that these specimens represent a different species. Benda *et al.* (2012b: 1230) showed that, although two size morphotypes were found, the Palaearctic populations of *R. aegyptiacus* represent only one

form, which is uniform in genetic traits (mitochondrial genome [nd1 and cyt *b*]) but plastic in metric traits.

Avery and Avery (2011: 539 - 540) report that a separation between the ancestor of *R. aegyptiacus* and those of genera such as *Myotis* and *Kerivoula* occurred some 64 million years ago. The separation with *Rhinolophus* and *Hipposideros* occurred slightly less than 60 million years ago, and that with *Pteropus* some 22 million years ago.

COMMON NAMES:
Afrikaans: Egiptiese vrugtevlermuis. Arabian: Khafash El Fawakeh, Khafash Masri. Czech: kaloň egyptský, upír egypecký, kaloň nilský. "Congolese": Kubukubo, Papo. Dutch: Nijlrousettus. English: Egyptian Fruit Bat, Egyptian Rousette, Egyptian Rousette Bat, West African Rousette, Egyptian Xantharpy. French: Roussette egyptienne, Roussette d'Egypte. German: Nilflughund, Ägyptischer Höhlenflughund. Italian: Rossétto egiziàno, Rossétto dél Nìlo. Kinande (DRC): Mulima. Polish: Rudawka nilowa. Portuguese: Morcego frugivoro do Egipto. Spanish (Castillian): Ruseta Egipicia.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Hildebrand *et al.* (2010: 268) recorded this species from the Kumali site in southern Ethiopia.

Van Neer (1990) reported on the presence of archeozoological material from this species in a number of localities in Central Africa.

CONSERVATION STATUS:
Global - This species is broadly distributed and abundant, and is unlikely to be declining at nearly the rate required to qualify for listing in a threatened category, hence is listed as Least Concern (LC ver 3.1 (2001)) (Benda *et al.*, 2008a; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Benda *et al.*, 2008a; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004ct; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Markotter *et al.*, 2016). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
This species faces a number of threats, but none of them are considered a serious threat to the species at the global level. Hunted for food in some cave systems in Africa. Cave disturbance and persecution are also a problem in parts of the range. The species is considered as a pest by fruit farmers and consequently cave roosts have been fumigated and destroyed in Israel, Turkey and Cyprus, resulting in incidental killing of many insectivorous bats of the genera *Rhinolophus* and *Myotis* (Benda *et al.*, 2008a; IUCN, 2009). The Israeli Nature Conservation Society is trying to prevent this lethal control (D. Kock, *pers. comm.*, in Benda *et al.*, 2008a, in IUCN, 2009), as campaigns during the 1950s led to the unintended death of 90 % of the insectivorous bats that roosted in the same caves (Makin and Mendelssohn, 1985 [in Guyton and Brook, 2014: 77]).

Sherwin *et al.* (2012: 174) identified that *R. aegyptiacus*'s frugivory and long-distance dispersal are major risk factors linked with climatic change.

MacEwan (2016: 3) reports on *R. aegyptiacus* as fatalities of wind turbine blades.

Monadjem *et al.* (2016y: 364) report that the species has disappeared from the Liberian side of Mount Nimba, possibly as a result of hunting.

CONSERVATION ACTIONS:
Benda *et al.* (2008a) [in IUCN (2009)] report on International legal obligations for protection through the Bonn Convention (Eurobats) in areas where this applies. Included in Annex IV of the EU Habitats Directive in areas where this applies. Occurs in a number of protected areas. There is a need to enforce measures to protect this species, especially to prevent the fumigation of caves.

GENERAL DISTRIBUTION:
Rousettus aegyptiacus is patchily distributed across sub-Saharan Africa and North Africa; also ranges outside of Africa through south-west Asia to Iran, Pakistan and India; also on Cyprus.
In the Western Palaearctic it occurs as two forms: *R. a. arabicus* (Iran, southern Arabia, Pakistan), *R. a. aegyptiacus* (rest of range). For more details on the Palaearctic distribution, see Benda *et al.* (2011a). In sub-Saharan Africa occurs as four forms: subspecies *leachi* is found in SW Ethiopia, S Sudan, E and S DR Congo, Uganda, Kenya, Tanzania (including the islands of Pemba and Unguja [see O'Brien (2011: 286]), Zambia, Malawi, Zimbabwe, Mozambique, and the extreme E and south of South Africa, including Swaziland and Lesotho; subspecies *princeps* is endemic to Principe Island in the Gulf of Guinea; subspecies *tomensis* is endemic to São Tomé; and subspecies *unicolor* is found from Senegal and the Gambia east to Liberia, Côte d'Ivoire, Ghana, Togo, south to northern central Nigeria and W Cameroon and

Bioko Island, then south from Gabon and Congo to western DRC and W Angola. Elevational range: from sea level to 4,000 m asl.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 692,896 km^2. In the RSA, its distribution is best predicted by geology (Babiker Salata, 2012: 50).

Nogales *et al.* (2006: 52) report on a population of *R. aegyptiacus*, which escaped in 2000 from two zoos on Tenerife, where they were kept from around 1992. This population was eradicated in 2009 (see Simons *et al.*, 2014: 2091).

Native: Angola (Crawford-Cabral, 1989; Bergmans, 1994; Monadjem *et al.*, 2010d: 555); Burkina Faso (Kangoyé *et al.*, 2012: 6024; 2015a: 607); Burundi; Cameroon; Central African Republic (Morvan *et al.*, 1999: 1195); Congo; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 555); Côte d'Ivoire; Cyprus; Egypt (Benda *et al.*, 2008f: 1); Equatorial Guinea (Fahr and Ebigbo, 2003: 128); Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 135); Gabon; Gambia; Ghana; Guinea (Denys *et al.*, 2013: 281; Decher *et al.*, 2016: 263); Guinea-Bissau (Rainho and Ranco, 2001: 33); India (Rainho *et al.*, 2010a), Iran, Islamic Republic of; Israel; Jordan; Kenya; Lebanon; Lesotho; Liberia (Monadjem and Fahr, 2007: 50); Libyan Arab Jamahiriya; Macaronesian islands (Tenerife island (Fajardo, 2002; Rodriguez-Luengo and Garacia Casanova, 2002; Trujillo, 2003; Nogales *et al.*, 2006; Masseti, 2010)); Malawi (Happold *et al.*, 1988; Ansell and Dowsett, 1988: 28; Bergmans, 1994; Monadjem *et al.*, 2010d: 555); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 555; Monadjem *et al.*, 2010c: 377); Nigeria (Capo-Chichi *et al.*, 2004: 161); Oman; Pakistan; Palestinian Territory, Occupied; Rwanda; São Tomé and Principé (Juste and Ibáñez, 1993b: 906; Rainho *et al.*, 2010a: 19 as *R. a. tomensis*); Saudi Arabia; Senegal; Sierra Leone; South Africa (Monadjem *et al.*, 2010d: 555); Sudan; Syrian Arab Republic; Tanzania (Stanley and Goodman, 2011: 40); Togo; Turkey; Uganda (Kityo and Kerbis, 1996: 59); United Arab Emirates (Anonymus, 2008: 38); Yemen (Benda *et al.*, 2011b: 26) ; Zambia (Ansell, 1969; Bergmans, 1994; Cotterill, 2004a: 260; Monadjem *et al.*, 2010d: 555); Zimbabwe (Cotterill, 2004a: 260; Monadjem *et al.*, 2010d: 555).

BIOGEOGRAPHY:
Horácek *et al.* (2013a: 71) suggest a few hypotheses about the presence of *R. aegyptiacus* in the eastern Mediterranean. These populations might be the result of immigration from sub-Saharan Africa or southern Arabia, although they also indicate that the Mediterranean form might have been the source population for the spread of *R. aegyptiacus* towards Africa.

Hulva *et al.* (2013: 74) indicate that the colonisation of northeastern Africa and the Middle East was connected with the spread of agricultural plants, and might therefore have an anthropogenic component.

DETAILED MORPHOLOGY:
Baculum - See Albayrak *et al.* (2008) for samples from Turkey.

Brain - Chawana *et al.* (2013: 160) reported the average brain mass for two specimens to be 2.01 g. Maseko *et al.* (2007) used immunohistochemical techniques to describe the nuclear parcellation and neuronal morphology of the cholinergic, catecholaminergic and serotonergic systems within the brain of three adult female *R. aegyptiacus*, captured from a cave adjacent to Legalametse Nature Reserve, Limpopo Province, South Africa. Naumann *et al.* (2015) investigated the medial entorhinal cortex architecture in layer 2 of the bat's brain.

The cytoarchitecture of *R. aegyptiacus*'s brain was investigated by Rodenas-Cuadrado *et al.* (2018: 1237) to determine the expression patterns of *FoxP2, FoxP1*, and *Cntnap2*, which are implicated in human speech and language phenotypes.

Schönenberger and Lane (1971: 653) studied the peripherical nervous system in the wings of *R. aegyptiacus*. The nerve bundle consists of a number of fasciles and each of these contains both myelinated and non-myelinated fibres. They also found that some of these nerves react positively to an histochimical test for catecholamine. The accompanying veins and arteries were studied by Lane *et al.* (1971).

Tongue - The arrangement of mechanical filiform papillae and gustatory papillae is regarded as being useful for the efficient uptake of semiliquid food and also an adaptation to a fruit diet (Jackowiak *et al.*, 2009). Abumandour and El-Bakary (2013: 230) report four types of lingual papillae: two mechanical (filiform and conical)l and two gustatory (fungiform and circumvallate) in which the shape, size, number, distribution, nomenclature and orientation of these lingual papillae are region specific according and in relation to feeding habits and food types. Abumandour (2014: 1407) distinguishes four types of lingual papillae, of which the filiform papillae can be subdivided into six subtypes: three on the

anterior part (small, conical and giant), two on the middle part (cornflower and leaf-like papillae), and rosette shape filiform papillae on the posterior part.

Stomach - The histomorphological characters of the stomach were studied by Abumandour and Pérez (2017), who concluded that this had special characters different to other mammals. The C-shaped stomach is divided into three parts: an elongated fundic cecal region with a blunt end, a long and narrow tubular pyloric part, and a small cardiac vestibular part. These characteristics of frugivorous species will help in their adaptations to accumulate large quantities of bulky food material.

Eye - Bojarski and Bernard (1988: 155) found that the retina shows a marked folding due to papillae projecting inwards from the inner choroid layer. These papillae are directed towards the nodal point of the dioptric apparatus, which makes that light coming in from an angle onto the papillae produces no shadow on the retina, which would otherwise result in the formation of an incomplete image. The eye of *R. aegyptiacus* possesses a tapetum lucidum, which increases the visual sensitivity by reflecting more light onto the retina and causes a faint red eyeshine observed while collecting the specimens.

The eyes of this bat contain an average of 160,000 retinal ganglion cells (Coimbra *et al.*, 2016: 191). These authors also calculated the minimum angle of resolution as about 0.167° (ca. 5-6 mm at 1 m distance). Surprisingly, the eye of *R. aegyptiacus* contained a horizontal streak, which is generally found in species which roost in open environments (e.g. *E. helvum, E. franqueti* or *E. wahlbergi*. The horizontal streak of high retinal ganglion cell density in megachiropterans may afford increased resolution across the horizon, potentially assisting with predator surveillance (Coimbra *et al.*, 2016: 195).

Michelmore *et al.* (1998: 319) and Meng *et al.* (2016: 1) reported that the endocrine component of the pancreas occupied 9.1 % of the total volume, which is at least nine times higher than in humans. The former authors (p. 324) also indicated that the endocrine structure of the pancreas is more similar to that of snakes than that of other mammals.

FUNCTIONAL MORPHOLOGY:
Holland and Walters (2005: 83) report on the movements of the pinnae in free flight and demonstrated that the ears have a greater sensitivity to click stimuli in front of the animal when directed forwards than when directed back and to the side. They also indicated (p. 87) that echolocation signals are significantly more likely to be emitted during the forward sweep of the ears.

Lancaster *et al.* (1997: 110) studied the wing temperature during flight and found that, on average, the wing surface temperatures were about 15 °C below the body temperature, and only some 1.8 (± 0.5) °C above the ambient temperature. Barclay *et al.* (2017: 572) found that the bat's body temperature exhibited a circadian cycle, with an average temperature of 37.7 °C when returning from foraging and decreasing to 35.5 °C by mid-day. Just before leaving for foraging, the temperature was on average 37 °C. Korine and Arad (1993: 61) indicated that the thermoneutral zone ranged between 31 and 36 °C, and that the bat's oxygen consumption in this range averaged 0.95 ± 0.15 ml g^{-1} h^{-1}.

In their study on the kinematics of the chiropteran shoulder girdle in flight, Panyutina *et al.* (2013: 393) found that the scapula and clavicle are making a very minor contribution to the wing movement as compared to the input of humerus movements relative to scapula in the shoulder joint. The shoulder girdle moves relative to thorax as a crank mechanism, where the clavicle plays the role of crank, and the scapula the role of connecting rod.

Amador *et al.* (2015: 447) refer to Norberg (1972), who provided a detailed description of the left wrist of *R. aegyptiacus*. From this (and their own study of the handwing of a number of yangochiropteran bats), they concluded that the "dactylopatagium brevis" (the small piece of wing between the thumb and the second digit) functionally belongs to the propatagium (the piece of wing in front of the arm, between the thumb and the body).

SEXUAL DIMORPHISM:
See Albayrak *et al.* (2008) for samples from Turkey.

In South Africa, Jacobsen and Du Plessis (1976: 272) found that females were on average 18 g lighter than males during winter and spring. Females had a slightly larger average forearm length (92.3 versus 89 mm).

ECHOLOCATION:
Rainho *et al.* (2010a: 21) report the calls for 8 individuals from Saõ Tomé.

Waters and Vollrath (2003: 209) found that the sonar clicks have a duration of about 250 micoseconds, with most of its energy occurring during the first 100 microseconds. With these clicks, the bats can detect and avoid wires of at least 6 mm in diameter.

Yovel *et al.* (2011b: 515, 522) indicate that the sonar clicks produced by *Rousettus* species do not have a long duration as was generally believed, but are actually extremely short: 50 - 100 microseconds. The peak energy of the click is at 30 kHz, and the bandwidth is about 57 kHz. These signals could be, in some parameters, as good or even better than the signals used by *Eptesicus fuscus* (see Geva *et al.*, 2010: 147). Davies *et al.* (2013b: Table S8) report a peak energy frequency of 35.03 kHz and a range between 12 and 70 kHz.

Benda *et al.* (2012a: 182) report the following data for Iranian specimens: Start frequency: 29.7 ± 3.5 (25.7 - 31.8) kHz, end frequency: 23.4 ± 4.0 (19.1 - 26.9) kHz, FMAXE: 30.7 ± 3.9 (23.3 - 35.0) kHz, pulse duration: 1.4 ± 0.2 (1.0 - 1.5) msec, interpulse interval: 29.8 ± 16.5 (7.0 - 66.3) msec.

Yovel *et al.* (2011a: 2) found that the intensity of the click emissions alters when they approach and lock their sonar on a target, and that *R. aegyptiacus* uses an undescribed strategy to change the spatial region ("field-of-view") their sonar covers: They increase the angle between the sonar beam axes of the click-pairs they emit. Lee *et al.* (2017) studied this further and concluded that the observed beam features can be captured by inducing changes to the pattern of phase differences through moving tongue location (see also Kling, 2018).

Danilovich *et al.* (2015: R1124) also found that the click rate increases prior to landing, indicating that adjust biosonar sampling in a task-dependent manner.

From tests in a laboratory environment, Danilovich *et al.* (2014: S32) found that *R. aegyptiacus* can transfer information acquired using echolocation to the visual modality, suggesting they can create an echo-based representation of the world that is accessible to other sensory modalities.
As to the value of echolocation for fruit-eating bats, Fenton (1994: 27) suggests it permits access to the relative safety of dark, underground roosts, a situation analogous to the nesting situations of the echolocating birds. However, Danilovich *et al.* (2015: R1124) found that *R. aegyptiacus* not only relies on echolocation in dark caves, but also during orientation and foraging in diverse light environments. The click rate and intensity increased at lower light levels, where visual information was limited.

Fenton (2013: 1) indicated that it remains to be determined if the tongue click signals can be used to monitor the activities of this species as these calls are much less conspicuous than the high intensity call used by other bats.

Boonman *et al.* (2014: 2965) mentioned that they recently recorded wing clicks produced by wild *R. aegyptiacus* bats while they were flying in the field.

A large amount of vocalizations was collected by Prat *et al.* (2017) (for samples see: https://doi.org/10.6084/m9.figshare.c.3666502).

MOLECULAR BIOLOGY:
DNA - See Ali (2011).

Teeling *et al.* (2017: 32) mention the estimated genome size for *R. aegyptiacus* to be 2.11 C, and the assembly size 1.91 Gb.

Szczesniak *et al.* (2013) presented the complete sequence of the mitochondrial genome of "*R. leschenaulti*" (16,704 nt, GenBank record KC702803). However, as pointed out by Botero-Castro *et al.* (2014), the sequence actually pertains to *R. aegyptiacus*.

Lee *et al.* (2015: 2) reported on a "de novo transcriptome assemby of *R. aegyptiacus*" and assessed its quality and biological validity.

In their phylogenetic study, Hassanin *et al.* (2016: 524) found that the *Cytb* from individuals collected in the eastern Mediterranean region (Cyprus and Egypt) differed by 13 mutations from populations of sub-Saharan Africa. Additionally, some *Cytb* haplotypes of southeastern Africa were found to be highly divergent from the others, whereas the population from West Africa did not differ significantly from that of Central Africa.

Karyotype - 2*n* = 36, FNa = 66, BA = 32, and a submetacentric X chromosome (Đulic and Mutere, 1973b; 1977; Haiduk *et al.*, 1981: 223 from South Africa; Albayrak *et al.*, 2008 for samples from Turkey). Albayrak *et al.* (2008) reported FN = 70 for a female and Fna = 66 from Turkey. Sayed (2011: 658) reported FN = 68 for Egyptian specimens and indicates the X chromosome is a medium sized submetacentric and the Y is a minute acrocentric one. She also reported that the metacentric autosomal pair 10 has a secondary constriction near its centromere and is of variable size within the same genome. Pairs 7 and 8 also show polymorphism. Pairs 9, 14, and 15 show a G-negative band in their short arm, and pair 10 has a broad G-negative band around its centromere. Pair 17 has complete heterochromatin, and displays polymorphism, with sometimes one autosome being subacrocentric and the other submetacentric.
Denys *et al.* (2013: 281) report the karyotype of four specimens from the Guinean Mount Nimba area as 2*n* = 36, Fna = 66, with 12 metacentric

pairs, two subtelocentric pairs and one small acrocentric pair. The Y chromosome is the smallest in the set.

Protein / allozyme - Unknown.

Hoenerhoff and Williams (2004: 592) reported hepatic copper values for 7 individuals, which ranged from 5.42 to 99.20 parts per million on dry weight basis.

HABITAT:
Sclater (1868: 404) reported on a "*Cynonycteris collaris*" specimen that was captured at sea off the St. John's River in Natal on 1 March 1868.

HABITS:
Jacobsen and Du Plessis (1976: 271) report that, in South Africa, radio-tracked *R. aegyptiacus* specimens travelled 24 km between their roost and foraging sites, which took them about 1 hour and 29 minutes at an average speed of 16.2 km/h (see Jacobsen *et al.*, 1986: 207). They also found that these bats foraged on *Ficus* spp. inside the forest canopy and that seeds were dispersed while flying and consuming fruit on perches. The bats left their roosts between 20 and 40 minutes after sunset and started to return at 2 a.m., with a peak around 3.45 a.m. and most were back at 5 a.m.

In Cape Town, Barclay and Jacobs (2011: 468) report that individuals left the roost cave between 21 and 183 minutes after sunset, and that bats left their roosts later when it was raining at their usual emergence time. Furthermore, males left later than females in September - October (during early pregnancy), but not in November - January (during late pregnancy and lactation). The difference in emergence time between females and males in September - October is attributed to the males having to defend their roosting territory (Barclay and Jacobs, 2011: 471), and not to females having to reach fruit resources before males, or to travel to more distant fruit patches, because of the greater energy demands as was also suggested by Korine *et al.* (1994) for *R. aegyptiacus* in Israel. Barclay and Jacobs (2011: 469) also observed that the individuals left their roost in a consistent order. The bats returned to their roost between 217 and 21 minutes before sunrise, without any differences among the sexes. Barclay and Jacobs (2011: 469) furthermore found that native forest was prefered over residential areas (59.1 % versus 40.9 %) to forage in, but there were great individual differences.

Tsoar *et al.* (2010: 300) report that tracked fruit bats flew over relatively long distances (14.6 ± 3.7 km) at a speed of 33.0 ± 5.2 km/hr and at relatively high altitudes (108 ± 52.6 m) to commute between their roosting and feeding sites. Geva-Sagiv *et al.* (2015: 99) indicate that there are five main types of navigational strategies: beaconing, route following (or route guidance), path integration, cognitive map, map and compass. They also suggest that combinaties of these strategies can be used.

In the Dakhla Oasis in Egypt; Lucan *et al.* (2011: 36) reported that some individuals made quite long flights of about 60 km at the beginning of their night activity. They also found that spatial activities (e.g. roost changes and night exploration of foraging grounds) was strongly reduced by the end of winter, when few food resources remained available. Using an automated tracking system, Rerucha *et al.* (2014: 14) found that the feeding time showed a much larger variation in summer than in spring or winter, whereas the search time per night remained more or less stable. The oposite was true for winter, where the total feeding time remained more or less stable, but the total search time showed a large variation.

Jahelková and Vašícková (2010: 182) describe some socal calls and social behaviour (e.g. protection of mother and juvenile by a male during lactation) in a captive population. Prat *et al.* (2016: 1) examined the vocalizations of these bats and found that these contained information about identity of the emitter, the context of the call, the behavioral response to the call, and even the call's addressee. These vocalizations are composed of sequences containing 1 to 20 broad-band multi-harmonic syllables. Almost all of the communication calls were emitted during aggressive pairwise interactions.

Mann *et al.* (2011: 416) indicated that males do not form random associations with nearby conspecifics, but that they establish stable groups, in which some form of dominance hierarchy exists. They also found that *R. aegyptiacus* can make a distinction between familiar and unfamiliar conspecifics, most likely by means of olfactory and/or visual cues (Mann *et al.*, 2011: 411).

ROOST:
Type - Caves (Albayrak *et al.*, 2008); abandoned factories (Albayrak *et al.*, 2008).
Microclimate - Unknown.
Orozco (2012: 379), referring to Braack (1989), indicates that no scarab beetles were found in over 40 South African caves inhabited by *R. aegyptiacus*. Braack (1989: 77), however, does mention the presence of reduviid bugs (*Platymeris guttatipennis* (Stal)) preying on cockroaches (*Gyna caffrorum* (Stal, 1856), *Gyna* spp., *Herbardina* spp., *Symploce incuriosa* (Saussure, 1899)), parasitic evaniid and chalcidoid wasps

(*Hockeria* sp.), trogid beetles (*Trox zumpti* Haaf, 1957) utilizing dead bats, tenebrionid (*Tenebrio guineensis Imhoff, 1843*) and ptinid beetles, thysanurans, as well as numerous haematophagous argasid ticks (*Ornithodoros faini* Hoogstraal, 1960) and nycteribiid flies (*Eucampsipoda africana* Theodor, 1955) using the bats as food source. Other "visitors" of cave, inhabited by *R. aegyptiacus*, were ants (*Pheidole crassinoda* Emery, 1895), spiders (*Smeringopus* sp.), troglophilic crickets,

In South Africa, Herzig-Straschil and Robinson (1978: 104) found *R. aegyptiacus* roosting together with *Miniopterus natalensis* [as *M. schreibersi*], *Rhinolophus capensis*, a few *M. fraterculus* and possibly *R. clivosus*. Similar associations were also reported from Zambia (Leopard's Hill cave) by Grafitti *et al.* (2003: 70), who reported on a colony of approximately 10,000 *R. aegyptiacus*, together with three colonies of *M. schreibersi* of about 50 - 300 animals, and single specimens of *R. hildebrandtii, R. simulator* and *Nycteris* sp.

DIET:
In Turkey, Albayrak *et al.* (2008) found two wild fruits were important (*Ficus elastica* (Rubber tree) and *Melia azadirachta* (Persian lilac)). In South Africa, Barclay and Jacobs (2011: 467) report that the diet includes the fruit of multiple species of figs, but also those of Cape ash (*Ekebergia capensis* Sparrm.), saffronwood (*Cassine crocea* (Thunb.) Kuntze), yellowwood (genus *Podocarpus* Persoon), *Diospyros* L., and *Syzygium* R.Br. Ex Gaertn. Herzig-Straschil and Robinson (1978: 101) also included Bushman's poison (*Acokanthera oppositifolia* (Lam.) Codd) and Mistletoe (*Viscum obscurumi* Thunb.).

Lamb *et al.* (2010: 215) reported that Cypriotic *R. aegyptiacus* specimens fed on *Agave americana* (Century plant) during mid-summer, but moved on to *Ficus carica* (figs) when these became available. During late-winter, the most important food items were *Phoenix dactylifera* (dates), *Melia azedarach* (Persian lilac), and flowers of eucalypt, *Myrtus communis* (common myrtle), mandarines and lemons. Del Vaglio *et al.* (2011: 283) identified 11 plant species in the droppings of Cypriotic specimens, including *Melia azedarach* (Perzian lilac or Chinaberry tree), *Morus* spp. (Plum tree), *Ceratonia siliqua* (Carob tree or St John's-bread), *Eryobotria japonica* (loquat, Japanese medlar or Japanese plum), *Ficus carica / F. microcarpa* (Common fig tree / Laurel fig), *Arbutus andrachne* (Eastern or Greek Strawberry Tree), *Washingtonia filifera* (Washingtonia), *Crataegus azarolus* (Mediterranean hawthorn), *Citrus sinensis* (Orange tree), and *Styrax officinalis* (Stirax). All of these plant species had limited economic importance.

Baum (1995: 339) mentioned that *R. aegyptiacus* is a frequent visitor of *Adansonia digitata* (Baobab), especially in the first two hours after dusk, where they licked nectar from the petal bases. Jacobsen and Du Plessis (1976: 271) found that in South Africa this bat fed mainly on *Ficus* spp. [*F. capensis, F. petersii, F. sansibarica*], although other fruits (e.g. *Litchis chinensis* - litchis, *Syzgium gerrardii* - water pear, *Syzgium jamba* - jamba, *Syzygium cordatum* - water berry, *Harpephyllum caffrum* - kaffll plum, *Ekebergia capensis* - Cape ash, *Prunus africana* - bitter almond/red stinkwood, and possibly *Olea capensis* and *O. africana*) were eaten in other seasons. Nader and Kock (1983c: 271) also reported that captive bats ate 8 to 9 litchis per night or 97 g of fruit (bananas). The bats were probably also feeding on the nectar of *Aloe dolomitica* as they found a number of animals covered in pollen and their faeces contained pollen too.

Seltzer *et al.* (2013: table S2) provided an overview of the plant species found beneath bat feeding roosts. For *R. aegyptiacus* these include *Ficus mucuso* Welw. ex Ficalho (Ipoh's terrible tree - Moraceae), *Ficus sur* Forssk. (Broom cluster fig - Moraceae) and *Eriobotrya japonica* (Thunb.) Lindl. (Loquat - Rosaceae).

Amitai *et al.* (2010: 2693) used stable carbon isotope ratio in exhaled CO_2 to assess the origin of metabolized substrates in 16 *R. aegyptiacus*, which were maintained on a diet of C3 plants. Amitai *et al.* (2010: 2693) found that both resting and flying individuals directly fueled their metabolism with freshly ingested exogenous substrates.

In Cape Town, Barclay *et al.* (2006: 549) observed *R. aegyptiacus* deliberately feeding on Scarabid garden fruit chaffer beetles (*Pachnoda sinuata*). Del Vaglio *et al.* (2011: 285) also reported the presence of coleopterans, lepidopterans (caterpillars), dipterans (fruit flies) and ticks in the bat's droppings, but these were most probably ingested by accident.

In his study on *R. aegyptiacus* from the Kruger Park, Braack (1989: 79) found that they were feeding on the fruits of *Ficus sycomorus* (sycamore fig or fig-mulberry), *Diospyros mespiliformis* (Jackalberry, African Ebony, jakkalsbessie), and *Xanthocercis zambesiaca* (Mashatu tree or Nyala tree).

In the Kisangani area (DRC), Gembu Tungaluna (2012: 106 - 108) followed the fruit intake by *R.*

aegyptiacus during the different seasons and came up with the following list: First heavy rain season (September - November): *Carica papaya* L. (papaya) (28%), *Musanga cecropioides* R. Br. & Tedlie (African corkwood tree, umbrella tree) (14%), *Dacryoides edulis* H.J. Lam (safou, African pear, bush pear, Nsafu, bush butter tree, butterfruit) (11%), *Persea americana* Mill., 1786 (avocado) (8%), *Oncoba welwitschii* Oliv. (8%), *Myrianthus arboreus* P. Beauvois, 1805 (giant yellow mulberry, bush pineapple, corkwood) (8%), *Spondias cytherea* Sonnerat, 1782 (Ambarella, otaheite apple, great hog plum) (6%), *Annonidium mannii* (Oliv.) Engl. & Diels (Junglesop) (6%), *Ficus wildemanniana* Warb. (5%), *Ficus leprieuri* Miq., 1867 (3%), *Ficus vallis-choudae* Delile (3%).
First mild rain season (December - February): *Musanga cecropioides* (36%), *Myrianthus arboreus* (22%), *Ficus vallis-choudae* (10%), *Annonidium mannii* (6%), *Spondias cytherea* (6%), *Carica papaya* (6%), *Uapaca guineensis* Müll.Arg., 1864 (Sugar plum, red cedar, false mahogany, rikio) (6%), *Elaeis guineensis* Jacq. (African oil palm, macaw-fat) (2%), *Ficus wildemanniana* (2%), *Pseudospondias microcarpa* (A. Rich.) Engl. (2%), Musa sp. (2%).
Second heavy rain season (March - May): *Persea americana* (19%), *Annonidium mannii* (16%), *Carica papaya* (16%), *Dacryoides edulis* (11%), *Spondias cytherea* (10%), *Musanga cecropioides* (7%), *Oncoba welwitschii* (7%), Myrianthus cecropioides (7%), *Uapaca guineensis* (3%), *Ficus vallis-choudae* (3%), Musa sp. (3%), *Parinari excelsa* Sabine (Guinea plum) (1%), Ficus sp. (1%).
"Dry" season (June - August): *Oncoba welwitschii* (29%), *Ficus vallis-choudae* (15%), *Parinari excelsa* (14%), *Carica papaya* (14%), *Myrianthus arboreus* (14%), *Musanga cecropioides* (14%).

Izhaki *et al.* (1995: 340) report, that in Israel, *R. aegyptiacus* ingested only 2 % of the small seeds (< 4 mg), all other seeds were spat out between 25 and 400 m from the parent tree. Korine *et al.* (1998: 151) indicate that *R. aegyptiacus* feeds on two types of fruit ("syndromes"). The first one is similar to that eaten by most fruit bats: variable size (range 0.53 - 32.3 g), relatively high water content (57 - 87 %), relatively low fat content (1.3 - 4.1 %), low protein content (1.1 - 6.75 %), and relatively high sugar content (69 - 86 %). The second type is only found in eastern Mediterranean habitats and is characterized by the extremely low water content: 13 - 24 %. This type of food is generally eaten during winter, when other food sources are scarce.

A case of hemochromatosis or ISD (iron storage disease or excessive burden of iron) was reported by Clauss and Paglia (2012: S8) as the result of an accidental excessive dietary iron supplementation. Stasiak *et al.* (2014: 111) investigated whether mutations in the hepcidin gene might be the reason for the increased susceptibility to ISD, but they were unable to identify any differences in the sequence of the portion of the hepcidin gene that encodes the mature peptide. In their ISD study, Leone *et al.* (2016: 45) provided evidence of a positive correlation between hemochromatosis and HCC in any species other than humans.

In a study of *R. aegyptiacus* this was not evident as its blood plasma glucose concentrations were observed to be greater than 40 mmol/l after glucose uptake (Keegan, 1977; Michelmore *et al.*, 1998), this was not after natural feeding but during an oral glucose tolerance test (Mqokeli and Downs, 2012a: 351).

Herrera M. *et al.* (2015: 409) investigated the relationship between food and energy intakes, salt content and sugar types.

PREDATORS:
Jacobsen and Du Plessis (1976: 273) indicate that *R. aegyptiacus* has relatively few natural enemies in South Africa, but that genets (*Genetta* sp.) and Lanner falcon (*Falco biarmicus* Temminck, 1825) took them as prey.

Mikula *et al.* (2016: Supplemental data) mention the following avian predators: Black sparrowhawk (*Accipiter melanoleucus* Smith, 1830), Lanner falcon (*Falco biarmicus* Temminck, 1825), Peregrine falcon (*Falco peregrinus* Tunstall, 1771), Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850); Black-and-white-casqued hornbill (*Bycanistes subcylindricus* (Sclater, 1871)).

POPULATION:
Structure and Density - Common in parts of Africa; generally uncommon in SW Asia although locally abundant in Israel and Jordan (Z. Amr *pers. comm.,* 2005 in Benda *et al.*, 2008a in IUCN, 2009). In Africa it occurs in large colonies of up to 40,000 to 50,000 individuals. In SW Asia colonies generally number 50 to 500 individuals, although up to 3,000 individuals were recorded in a cave in Jordan. The population in Turkey is estimated at 5,000 to 10,000 individuals; the population there may be decreasing due to control measures in caves (A. Karatas *pers. comm.,* 2007 in Benda *et al.*, 2008a in IUCN, 2009). In Syria only a single locality is known of 1,000 to 2,000 animals (A. Karatas *pers. comm.,* 2007 in Benda *et al.*, 2008a in IUCN, 2009). Also see Albayrak *et al.* (2008).
Horácek *et al.* (2010: 175) indicate that there is a clear decline in the Cypriotic population, whereas the situation in other Mediterranean countries

(Lebanon, Jordan, Egypt) is more or less stable. They estimate the total Mediterranean population to include at most 75,000 specimens. Lucan *et al.* (2014c: 111) report a population decline of 90 % on Cyprus between 2005 and 2013 (from 8,000 to 800 animals).

Trend - 2008 - Stable (Benda *et al.*, 2008a; IUCN, 2009). *R. aegyptiacus* populations within the Asia Minor and Levant region are predicted to have a stable population trend, under climate change scenarios (Bilgin *et al.*, 2012: 433).

LIFESPAN:
Mitchell (1911: 444) mentions for 13 captive specimens (as *Cynonycteris collaris*) an average lifespan of 18 months and a maximum lifespan of 108 months (= 25 yrs). Cushing *et al.* (2013: 794) reported on a captive female of over 11 years of age that needed to be euthanised following a deterioriation of its health due to a metastatic pancreatic carcinoma. Szekely *et al.* (2015: Suppl.) report a maximum longevity of 22.9 years.

Olds *et al.* (2015: 325) found the following tumor types in a captive population of male *R. aegyptiacus*: fibrosarcoma, cutaneous lymphoma, benign focal bronchioloalveolar neoplasm, anaplastic sarcoma, and sebaceous epithelioma.

ACTIVITY AND BEHAVIOUR:
Carpenter (1986: 93) mentions that the heart beat for this species is as high as 728 beats per minute during a flight with airspeeds of 5 m/s.

During displacement experiments, Tsoar *et al.* (2011: E722) found that *R. aegyptiacus* primarily uses self-triangulation based on multiple distal visual landmarks to return to their roost cave. Ulanovsky *et al.* (2010: 302) provide evidence that the bats used a large-scale navigational map to return to their roosts after having been displaced over 44 km.

From flight corridor tests, Riskin *et al.* (2012: 2946) determined the average flight speed to be 4.41 ± 0.54 m/s.

In captive groups, Carter and Leffer (2015: 3) found that a group consisting of nine females and two castrated males spent 0.26 % of their awake time on social grooming. In a group of five males, no social grooming was observed at all.

REPRODUCTION AND ONTOGENY:
Korine and Arad (1999) [in Andrianaivoarivelo *et al.* (2011a: 77)] mention that the newborns of *R. aegyptiacus* are completely dependent on their mothers for the first 6 weeks of life. At birth, the pup weights about 18.0 % of the mother's body mass (22.7 versus 126.0 g) (Kurta and Kunz, 1987: 82). Barclay and Jacobs (2011: 467) indicate that the lactation period lasts from 9 to 12 weeks in South Africa. Davis (2007: 4) indicates that young are dependent until three months after birth in the UAE. At that time, they are able to fly, but do not leave the family colony.

In Uganda, Mutere (1968) observed a bimodal breeding pattern (pregnancies from December to March and from July to October and births in March and October), which was correlated to two rainfall peaks (April-May and October-November). Bartonicka *et al.* (2013: 17) report that in both the Levant (Turkey, Cyprus, Lebanon and Jordan) and in the Dakhla Oasis in Egypt, births take place during most of the year, except for the winter months. The births peak in April-May and in August-September.

Lucan *et al.* (2014a: 110; 2014b: 1036) investigated the reproductive cycle in populations from the Mediterranean region and the Egyptian desert and found that both had a bimodality in birth timing regarless of climatic differences. The differences in birth times between the two populations were linked with differences in fruiting phenology of their major dietary plants. They also hypothesize that food abundance is an important trigger of male sexual activity.

Spitzenberger and Bauer (1979: 440, 448) also found a bimodal reproduction cycle for *R. aegyptiacus* on Cyprus, but remarked that the succession of the two phases is so quick that females only take part in one cycle.

Kozhurina and Ilchenko (2016: 13) found a bimodal reproducion cycle in captive *R. aegyptiacus* with a "tropical" polyoestrous continuous reproductive pattern, but found their cycle to take 11 months rather than 12. They also found that females usually began to produce offspring at the age of 14 - 15 months up to 2 years. The gestation period was very variable and lasted from 95 to 129 days.

Stanley and Goodman (2011: 40) reported on three adult males with scrotal testes collected in the first half of August 1992 in Tanzania. Two females collected in the first halfs of August 1992 and 1993 were pregnant with a single embryo. Trentin and Rovero (2011: 49) report a lactating female captured in December 2005 in the Uzungwa Scarp Forest Reserve, Tanzania. For West Africa, Krutzsch (2000: 110) indicates that the male reproductive cycle is apparently in synchrony with the female, since they undergo biseasonal testicular hypertrophy.

In the southern Cape province of South Africa, Herzig-Straschil and Robinson (1978: 108) calculated that births took place from October to June. At Matlapitsi (RSA), Dietrich *et al.* (2018b: 4) found that 64 % of the females they sampled in September 2015 were pregnant, indicating that there were also non-pregnant females and both scrotal and non-scrotal males. In January 2016, they found large amounts of juveniles and lactating females, whereas in April 2016, most of the bats (83 %) were flying juveniles.

In the United Arab Emirates, Davis (2007: 4) indicated that mating takes place from June to September, and that a single young (exceptionally twins) are born in October-December after a gestation period of 115 to 120 days. Szekely *et al.* (2015: Suppl.) report a gestation period of 116 days and they mention that weaning occurs after 122 days. During that period, the weight of the young has increased from 21.06 g to 73.8 g (adult: 125 g).

Laboratory tests performed by Taub *et al.* (2014: S122) provided strong evidence for vocal learning in this species.

MATING:
Jacobsen and Du Plessis (1976: 272) and Barclay and Jacobs (2011: 467) mention that in South Africa, *R. aegyptiacus* mates in spring (July to September) and, after a gestation of approximately 4 months, a single pup is born in summer (end October to December). Occasionally, Start (1969: 272) recorded the birth of twins.

In a colony in the Prague zoo, Jahelková *et al.* (2013: 76) found courtship behaviour and matings taking place throughout the year, but parturitions were strongly synchronized in a one-week period in September/October and March/April.

POSTNATAL DEVELOPMENT:
Prat *et al.* (2013: 123) studied *R. aegyptiacus* pups raised in small colonies and in acoustic isolation and found that the latter displayed delayed vocal development and that their calls differed from young of the same age raised in colonies. The first sounds produced by young in both groups were isolation calls (Prat *et al.*, 2015: 1). These calls are innate and appear at postnatal day 1.

PARASITES:
BACTERIA
Gram-negative bacterium - Pinus and Müller (1980) and Sara (2002: 41) reported *Citrobacter freudii*, *Enterobacter cloacae*, *Escherichia coli*, *Klebsiella pneumonia*, *Proteus morganii*, and *Proteus rettgeri*. Han *et al.* (2010) isolated a pure sample of *Kluyvera ascorbata* from blood of an individual found dead at a zoo in Seoul, Korea, which had originally been imported (possibly illegally) from Egypt. Childs-Sanford *et al.* (2009: 8) reported *Yersinia pseudotuberculosis* from a colony of bats kept in a zoo in Syracuse, New York. Two of three bats from the Republic of Congo, tested by Nowak *et al.* (2017: 6) were positive for *E. coli*.

Gram-positive bacterium - Three out of 55 tested *R. aegyptiacus* bats from Gabon tested positive for *Staphylococcus aureus* and two for *S. schweitzeri* (Held *et al.*, 2016: 119). The positive bats were captured at the fringe of the forest, in the vicinity of humans. None of the bats that were captured in the forest were infected by this bacterium.

Bartonellae - Bacteria
Bartonella - Kosoy *et al.* (2010: 1878) found 15 *Bartonella* spp. *gltA* sequences in *R. aegyptiacus*, and also found six unique *gltA* varients of *Bartonella* which clustered in a monophyletic genogroup. Kosoy *et al.* (2010: 1877) and Bai and Kosoy (2012: 58) reported a prelevence of *Bartonella* spp. in *R. aegyptiacus* from Kenya of 22/105 (21.0%) cultured from blood samples. See also Kosoy (2010: 719) for further information. Dietrich *et al.* (2016b: 3) found one positive testing bat (out of 7) in Mahune (RSA).

Lei and Olival (2014: Suppl.) mention *R. aegyptiacus* as host for *Leptospira* bacteria. These were further identified as *L. interrogans* and a second species as having sequences closely related to *L. borgpetersenii*.

Nakamura *et al.* (2012: 410) report on an outbreak of yersiniosis (caused by *Yersinia pseudotuberculosis*) in a colony of captive *R. aegyptiacus* in a zoological park in the Kanto region in Japan.

HAEMOSPORIDA
Perkins and Schaer (2016: Suppl.) mentioned the presence of *Plasmodium roussetti* van Riel, l'Hoest et l'Hoest, 1951 in bats from the DRC.

Adam (1973: 8) mention on an infection by *Trypanosoma megadermae* Wenyon, 1909. Barbosa *et al.* (2016: 215) reported a specimen from Gabon being infected by *Trypanosoma* sp. bat.

ACARI
Hirst (1923: 979) indicates that Kolenati stated that either *R. microphyllum* or *Pteropus ægyptiacus* [=*Rousettus aegyptiacus*] is the host for *Ancystropus zelebori* Kolenati, 1856 (Acari). Another mite, he reported (p. 987) from *R. aegyptiacus* is *Ancystropus* (*Meristaspis*) *lateralis*

Kolenati.

Korine *et al.* (2012: 1435) experimentally infected *R. aegyptiacus* specimens with the flea *Xenopsylla ramesis*, whose natural host is Sundevall's jird (*Meriones crassus*). They found that female fleas engorged the same amount of blood from these bats as from the jirds. Male fleas, however, sucked much less blood.

From the Lanner Gorge cave [22°27'S 31°09'E], in the Kruger National Park, Braack (1989: 81) reported argasid ticks (*Ornithodoros faini* Hoogstraal, 1960), nycteribiid flies *Eucampsipoda africana* Theodor, 1955), spinturnicid mites (*Ancystropus zeleborii*, Kolenati, 1857), and the flea *Thaumapsylla breviceps* Rothschild, 1907 (Ischnopsyllidae).

In Jordan, Benda *et al.* (2010b: 201) found the following ectoparasites: Argasidae: *Argas vespertilionis* (Latreille, 1802), *Ornithodoros* (*Reticulinasus*) *salahi* (Hoogstraal, 1953).

Nycteridocoptes pteropodi Rodhain and Gedoelst, 1923 (Acari: Sarcoptidae) was reported by Fain (1958: 236) from "*Rousettus leachi*" specimens from Kivu, DRC. Fain (1958: 244, 245) also described *Nycteridocoptes lavoipierrei*, *Nycteridocoptes macrophallus* and *Nycteridocoptes rousetti* from the same bat species collected at Mahuysa cave, Katana-Kivu, DRC. Another species (*Nycteridocoptes rousetti* Fain,1958) was mentioned by Fain (1959a: 345) from *R. aegyptiacus* from Thysville (=Mbanza-Ngungu), DRC. Fain (1960: 83) described *Stomatodex rousetti* (Acari: Demodecidae) from "*R. leachi*" from Mahyusha cave, near Katana, DRC. Fain (1967: 367) furthermore reported on the presence of *Teinocoptes rousetti* Fain, 1959 on *R. aegyptiacus leachi* from Mahyusha cave, Kivu, DRC.

Reinhardt *et al.* (2008: 173) report that the cimicid bug *Afrocimex constrictus* Ferris and Usinger, 1957 infested *R. aegyptiacus* colonies at Makingeny and Ngwarisha (Mount Elgon region, Kenya) and that these bats were bitten between 0.5 and 1.5 times a day, and that to up to 28 µl of blood was removed each time.

Afrocimex leleupi Schouteden, 1951 was reported by Kock and Aellen (1987: 877) the Kakontwe cave (DRC).

In Iran, Benda *et al.* (2012a: 185) report the presence of *Meristaspis lateralis* (Kolenati, 1856) (Spinturnicidae). This mite was already reported by Delfinado (1963: 913) to be widely distributed on *R. aegyptiacus* in Egypt and Palestine.

DIPTERA

Streblidae: *Brachytarsina africana* (Walker, 1849) recorded in Katanga, but Haeselbarth *et al.* (1966: 100) suggests that this may be accidental and *R. aegyptiacus* is not its true host. *Brachytarsina alluaudi* (Falcoz, 1923) recorded in Katanga (Haeselbarth *et al.*, 1966: 101), Gabon (Obame-Nkoghe *et al.*, 2016: 5). *Brachytarsina bequaerti* (Jobling, 1936) collected in Tanzania and Kenya (Haeselbarth *et al.*, 1966: 101).

Nycteribiidae: *Eucampsipoda africana* (Theodor, 1955), widely distributed over the Ethiopian region and recorded from localities in Senegal to the Sudan and southwards to the Cape (Haeselbarth *et al.*, 1966: 115; Duron *et al.*, 2014: 2108; Obame-Nkoghe *et al.*, 2016: 5). This bat fly might be a carrier of *Bartonella* bacteria (Zhu *et al.*, 2014: 2160), and the fungus *Anthrorhynchus eucampsipodae* Thaxter, 1901 (see Balazuc, 1971: 214; Haelewaters *et al.*, 2017: Suppl. for a record from Gabon). *Eucampsipoda hyrtlii* (Kolenati, 1856) has been identified with certainty only from the Middle East (Arabia, Egypt, Palestine and Syria), but probably also occurs in East Africa (Haeselbarth *et al.*, 1966: 115). Balazuc (1971: 214) reported this bat fly from a "Chiroptera" from Egypt, which was infected by the fungus *Anthrorhynchus eucampsipodae* Thaxter, 1901. However, as pointed out by Blackwell (1980: 151), *E. hyrtlii* is only known as parasiting on *R. aegyptiacus*. *Dipseliopoda biannulate* (Oldroyd 1953) distributed over the tropical parts of Africa and recorded from localities in Nigeria, Cameroon, the Congo and the Sudan and Kenya (Haeselbarth *et al.*, 1966: 116). Morse *et al.* (2013: Suppl. 1) refer to *Eucampsipoda africana* (Diptera: Hippoboscoidea: Nycteribiidae: Cyclopodiinae) collected from a Kenyan *R. aegyptiacus*. This bat fly was also reported from Sierra Leone by Blackwell (1980: 146), where it was found to be infected by the fungus *Arthrorhynchus eucampsipodae* Thaxter, 1901. In Jordan, Benda *et al.* (2010b: 201) found *Eucampsipoda aegyptia* (Macquart, 1851). They also mention that two other Nycteribiidae were previously found in Palestine: *Nycteribia pedicularia* Latreille, 1805 and *N. schmidlii* Schiner, 1853. The latter species (as *Nycteribia schmidlii scotti* Falcoz, 1923) was also reported from Gabon by Obame-Nkoghe *et al.* (2016: 5).

Jansen van Vuren *et al.* (2016: 1) describe a new orthoreovirus, which was collected from a bat fly (*Eucampsipoda africana* (Theodor, 1955)), which in turn was captured from a *R. aegyptiacus* bat from South Africa.

SIPHONAPTERA
Ischnopsyllidae: *Thaumapsylla breviceps* Rothschild 1907, where the nominate subspecies *T. b. breviceps* Hopkins and Rothschild, 1956, was found in the Cape, Natal and Transvaal provinces of South Africa, Kenya and DRC (Haeselbarth *et al.*, 1966: 186).

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Rousettus aegyptiacus*: Adenoviruses, Astroviruses, Caliciviruses, Coronaviruses, and Rotaviruses.

Willoughby *et al.* (2017: Suppl.) mention the following viruses: Chikungunya virus, European bat 1 lyssavirus, Israel turkey meningoencephalomyelitis virus, Kasokero orthonairovirus, Lagos bat lyssavirus, Marburg marburgvirus, Rousettus bat coronavirus HKU9, Shamonda orthobunyavirus, West Nile virus, Yogue virus, Zaire ebolavirus.

Bunyaviridae
de Jong *et al.* (2011: 12) and Luis *et al.* (2013: suppl.) mention the presence of an unassigned Kasokero virus, as well as an unassigned Yogue virus. The latter was also reported by Kemp (1975: 617) from Senegal in June 1968.
Of the 1979 specimens from Gabon tested by Müller *et al.* (2016: 3), 48 were positive for Crimean Congo hemorrhagic fever virus (CCHFV).
Jansen van Vuren *et al.* (2017: 935) discovered an orthobynyavirus (Wolkberg virus - WBV) in a bat fly (*Eucampsipoda africana*) collected on a *R. aegyptiacus* from South Africa. WBV was detected in one serum pool from bats, and at relatively low concentration.

Coronaviridae - Coronaviruses
SARS - Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera in 29 individuals from Limpopo Province, South Africa, 11 were tested positive (11/29, 37.9 %) and 142 individuals from Oriental Province, DRC, 17 tested positive (17/142, 12 %) (28/171, 16.4 %). In Nigeria during June 2008, Quan *et al.* (2010) screened the gastrointestinal tissue for the presence of coronaviruses by PCRs, none tested positive.
Tong *et al.* (2009) found several alpha- and betacoronaviruses in *Rousettus aegyptiacus* collected in Kenya in 2006 based on detection of coronavirus RNA in fecal swabs. Some of the coronaviruses were highly divergent, whereas others showed similarity to *Rousettus* sp. coronaviruses identified in China.
Shehata *et al.* (2016) tested 265 Egyptian bats and found 12 infected with HKU9-like viruses.
Anthony *et al.* (2017b: Suppl.) mention beta-coronaviruses Bat_CoV_HKU9 and Kenya_CoV_BtKY56.
19 out of 397 (4.8 %) of the Kenyan bats tested by Tao *et al.* (2017: Suppl.) were positive for CoV.

Filoviridae - Filo viruses
Ebolavirus
Muyembe-Tamfum *et al.* (2012: 9) refers to Pourrut *et al.* (2005) who found ZEBOV-specific antibodies in this species.
Paweska *et al.* (2016: 1) experimentally inoculated *R. aegyptiacus* bats and were unable to find any viral RNA in oral, nasal, ocular, vaginal, penile and rectal swabs from any of the experimental groups. They concluded (p. 9) that these bats are unlikely to maintain and perpetuate EBOV in nature.

Marburgvirus
Towner *et al.* (2007) tested 283 individuals from Gabon for Marburg virus [MARV] RNA by conventional and real-time RT-PCR and 242 individuals for anti-Marburg virus IgG antibodies by ELISA; 4 individuals (1.5 %) were PCR positive and 29 (12 %) were IgG positive. Peterson and Holder (2012: 1831) indicate that the Gabonese clade represents a virus form that has not been reported from human infections. Kuzmin *et al.* (2010b) detected RNA in a female *R. aegyptiacus* bat collected at Kitum cave in July 2007. Adjemian *et al.* (2011: S796 - S798) report on four cases of MHR [Marburg hemorrhagic fever] in miners, which they contracted while working in a mine tunnel at Kitaka mine in Ibanda District, Uganda, where thousands of *R. aegyptiacus* bats lived. These cases resulted in the destruction of the residing bat population. Van Paassen *et al.* (2012: 635) report on the death of a Dutch woman, who probably contracted the virus after visiting a cave in Uganda, where *R. aegyptiacus* bats were living. Amman *et al.* (2013: 6) indicate that a long-term study at this site showed that 2 to 5 % of the bat population was actively infected by the MARV virus. Amman *et al.* (2014: 1762) estimated that both the cave and the mine contained about 40,000 to 100,000 *R. aegyptiacus* bats at the time the miners and the tourist were infected. The bats were exterminated by November 2008, but in November 2012 a small colony was (1 - 5 % of the original numbers) was found in the re-opened Kitaka Mine.
Maganga *et al.* (2011: S800) indicate that MARV is enzootic in Gabon due to the fact that MARV-positive bats were captured in between 2005 and 2009.
Kuzmin *et al.* (2011a: 4) report that MARV RNA was found in bats from Gabon, Uganda, and Kenya.
Paweska *et al.* (2012: 1) inoculated captive *R. aegyptiacus* specimens - captured in northeastern

South Africa - and were able to confirm the susceptibility of this species to infections with MARV irrespective of sex and age. In a subsequent study, Paweska *et al.* (2015) recovered the virus from 15 different tissues and plasma, but only sporadically in mucal swab, urine and fecal samples. Amman *et al.* (2015b) also experimentally infected bats and found viruses in liver, spleen, blood, kidneys, salivary glands, bladder, large intestine as well as in oral and rectal swaps. The infected bats did not show any significant changes in daily food consumption, body weight, or daily body temperature, and no signs of overt morbidity or behavioral changes such as waning appetite, overly aggressive behavior, separation from cage mates, lethargy, or reduced or abandoned grooming (p. 121). Schuh *et al.* (2017c) found prove for horizontal transmission of MARV as virus RNA was found in contact bats that were kept together with MARV-inoculated bats. Schuh *et al.* (2017b), furthermore, reported that following infection of ERBs with MARV, virus-specific IgG antibodies are induced, but after 3 months the bats are seronegative again. Amman *et al.* (2012: 1) and Albariño *et al.* (2013a: 99) link an outbreak of MARV in October 2012 in Uganda with the second annual virus pulse in *R. aegyptiacus* populations, more specifically in older juvenile bats of about six months of age. The viral genome sequences collected from infected humans were approximately 99.3 % to two MARV isolates captured in 2008 and 2009 in the Python Cave in the Queen Elisabeth National Park. Amman *et al.* (2013: 6) indicate that at the time of these pulses, the juvenile bats are about 6 months old and are 5 to 6 times more likely to be infected by the virus than the adults (see also Olival and Hayman, 2014). Storm *et al.* (2018: 1) found that maternal immunity against MARV was lost in juvenile bats by 5 months of age, and that antibodies to MARV remained present in 84 % of naturally exposed bats at least 11 months after capture.

Peterson and Holder (2012: 1832) state that *R. aegyptiacus* is now seen as central in the picture of Marburg virus maintenance, but they also are somewhat confused about the fact that two lineages of Marburg virus are maintained in the same cave or mine in Uganda.

Carroll *et al.* (2012: 2613) indicate that *Rousettus aegyptiacus* has been identified as a potential natural reservoir for Marburg and Ravn viruses (*Marburg marburgvirus*).

Jones (2015: 3420) experimentally inoculated *R. aegyptiacus* specimens with Marburg and five Ebola viruses (Sudan, Ebola, Bundibugyo, Taï Forest, and Reston). In the Ebola virus groups, viral RNA tissue distribution was limited, wheras in the Marburg virus group, the virus was widely dissimated. They concluded that this bat species is very unlikely to be a source for Ebola viruses in nature and that there is support for a single filovirus - single reservoir host relationship (here with Marburg virus).

Paweska *et al.* (2018: 1135) tested 1,431 South African bats and found 53.04 % (759) to be positive for antibodies against MARV. These percentages varied between 17.75 % in April 2013 and 82.1 % in October 2013. In adults, these numbers varied between 39.6 % in August 2013 and 100 % in February 2013 (overal 71.56 %), whereas in young bats, they varied between 1.3 % in June 2013 and 77.3 % in January 2014 (overal 30.6 %).

The role of the argasi tick *Ornithodoros faini* as transmission vector between *R. aegyptiacus* specimens in Uganda was rejected by Schuh *et al.* (2016: 1) as none of the 3,125 ticks examined tested positive for the Marburg virus.

Flaviviridae

Flavivirus

Uganda S virus- reported in 1947 from Uganda by Butenko (1996). This virus was mentioned by Luis *et al.* (2013: suppl.). Maganga *et al.* (2014a: 5) tested 305 animals from Gabon, of which only one tested positive for a *Flavivirus*.

Pegivirus (BPgV)

Quan *et al.* (2013: Table S5) found 3 out of 26 Kenyan and 9 out of 91 Nigerian bats examined to be infected with clade K type *Pegivirus* (overal 10.3 % infection).

Herpesviridae

Jánoska *et al.* (2011: 118) reported two viruses, from captive specimens from the Budapest Zoo, belinging to the *Betaherpesvirinae* and *Gammaherpesvirinae*.

Papillomaviridae

McKnight *et al.* (2006: 193) reported some carcinomas near the eye and on wing membranes of a *R. aegyptiacus* kept in captivity in the USA. These were caused by a putative novel close-to-root papillomavirus, belonging to a new genus. Tse *et al.* (2012: 7) refer to a *Rousettus aegyptiacus* papillomavirus type 1 (RaPV1), belonging to the genus *Psipapillomavirus* (GenBank: DQ366842).

Paramyxoviridae

Drexler *et al.* (2012a: Suppl. Table S1) reported that three of the 213 specimens (1.4 %) they examined from Gabon and Congo tested positive for *Henipavirus*. 15 of these bats (7.0 %) were positive for *Rubulavirus*. Conrardy *et al.* (2014: 259) found one out of 10 tested animals from the Kitum cave (Kenya) and one of six from the

Watamu cave to test positive for *Paramyxovirus*.
Amman *et al.* (2015a: 776) tested 1331 Ugandan *R. aegyptiacus* specimens of which 62 (4.6 %) tested positive for Sosuga virus.
Two out of 84 Kenyan *R. aegyptiacus* specimens tested by Mortlock *et al.* (2015: 1481) were found to test positive for *Paramyxovirus* sequences.

Polyomaviridae:
Polyomavirus - Initially, two polyomaviruses were detected from Kenya in 2006 by Tao *et al.* (2012). Further surveillance identified four more from Kenyan caves (including Watamu cave) where three of the 11 individuals tested positive (Conrardy *et al.*, 2014: 259).

Rhabdoviridae
Lyssavirus - Rabies related viruses
In Nigeria during June 2008, Quan *et al.* (2010) did not detect any lyssavirus-specific antigens from the brains by use of direct fluroescent antibody testing.
European bat lyssavirus 1 is reported by Van der Poel *et al.* (2000: 1919), Wellenberg *et al.* (2002: 349), Omatsu *et al.* (2008:169), de Jong *et al.* (2011: 9), Luis *et al.* (2013: suppl.).
Lagos bat virus: Kuzmin *et al.* (2008a) found a 29 - 46% seroprevalence of Lagos bat virus neutralizing antibodies in Kenya. Kuzmin *et al.* (2011b: 1467) reported 37 seropositive Kenyan bats on a total of 79 examined (46.8 %). Picard-Meyer *et al.* (2004) isolated the virus from a *R. aegyptiacus* from an unknown location in Africa. Hayman *et al.* (2011a: 88) and Kuzmin *et al.* (2011a: 3) refer to a *R. aegyptiacus* specimen from France, which came originally from either Egypt or Togo.
Shimoni bat virus: Kuzmin *et al.* (2011b: 1467) found 26 bats to be seropositive for this virus on a total of 79 specimens examined in Kenya between 2009 and 2010.
Horton *et al.* (2014: Table S1) tested 54 Kenyan *R. aegyptiacus* specimens, but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus).

Togaviridae
Alphavirus: de Jong *et al.* (2011: 10) and Luis *et al.* (2013: suppl.) reported Chikungunya virus occurring on *R. aegyptiacus*.

In their overview table, Maganga *et al.* (2014a: 8) report the following viruses were already found on *R. aegyptiacus*: Lagos Bat Virus (LBV), Bat Gammaherpesvirus (1, 2, 4, 5, 6, 7), Bat Gammaherpesvirus 3, Betaherpesvirus, Marburg virus (MBGV), Coronavirus, Zaire Ebola virus (ZEBOV), Yogue virus, Kasokero virus, Chiropteran Papillomavirus, Henipavirus, Rubulavirus, Flavivirus.

Goldberg *et al.* (2017: 2) and Feng *et al.* (2017: 99) mention that two viruses were identified from Nycteribiid bat flies (*Eucampsipoda africana*), which were retrieved from *R. aegyptiacus*: the putative orthoreovirus Mahlapitsi virus (from South Africa) and the putative orthobunyavirus Wolkberg virus.

UTILISATION:
Vora *et al.* (2014: 334) report on an annual bat festival in Idanre, Nigeria, where males of all ages enter caves inhabited by *R. aegyptiacus* to capture these bats. Many of these animals are prepared as food and some are transported to markets in other parts of the country to be sold as bushmeat. During the Yam hunting festival in Buoyem, Ghana, fruit bats (possibly *R. aegyptiacus* were collected (Anti *et al.*, 2015: 1418).

ANTHROPOPHILOUS:
In Turkey, Albayrak *et al.* (2008) observed 11 of 15 roosts (73%) were destroyed by human efforts to exterminate the bats over a five-year period.

Centeno-Cuadros *et al.* (2017: 6234) found that, in the Mediterranean area, *R. aegyptiacus* benefits from human-mediated habitats for daily movements and foraging behaviour. On the other hand, they also found that dispersal (promotor of gene flow between colonies) is apparently not influenced by human-altered habitats.

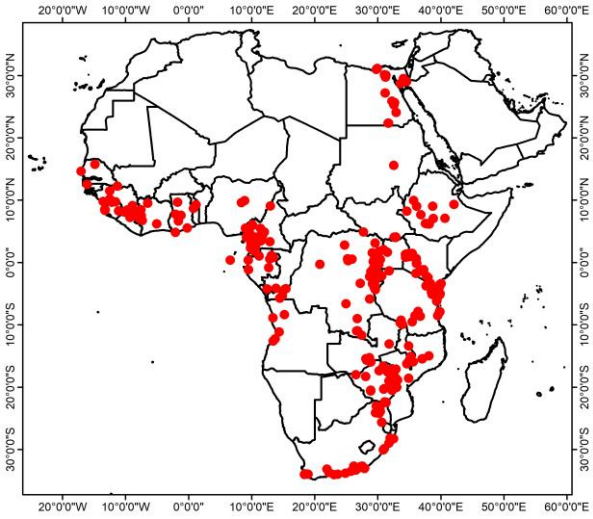

Figure 43. Distribution of *Rousettus aegyptiacus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Burundi, Cameroon, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Egypt, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Malawi, Mali, Mozambique, Nigeria, Rwanda, São Tomé and Principé, Senegal, Sierra Leone, South Africa, South Sudan, Sudan, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

Rousettus madagascariensis G. Grandidier, 1929

*1929. *Rousettus madagascariensis* G. Grandidier, Bull. Acad. Malgache, (N.S.) 11: 91, pl. 4 text-figs (for 1928). Type locality: Madagascar: E Madagascar: Beforona: between Tananarive [=Antananrivo] and Andevoranto: Grand Forêt de l'Est. Holotype: MCZ 45432: ad ♂, skull and alcoholic. Collection date: 1917. Presented/Donated by: Guillaume Grandidier. Received from the "Académie Malgache" in 1917; see Bergmans (1994: 119); Peterson *et al.* (1995: 49); Helgen and McFadden (2001: 141). (Current Combination)
? *Rousettus madagascariensis madagascariensis:* (Name Combination)
? *Rousettus sp. cf. R. madagascariensis*

TAXONOMY:
Considered a subspecies of *lanosus* by Hayman and Hill (1971: 12); but see Bergmans (1977a) and Simmons (2005: 348).
Bergmans (1994: 119) indicates that the year of publication is often cited as 1928, but Tome XI of the Bulletin de l'Academie Malgache, Nouvelle Série, for 1928, in which it appeared, was published in 1929. Helgen and McFadden (2001: 141) indicate that it might even be published in 1930.

COMMON NAMES:
Czech: kaloň Grandidierův. English: Madagascan Rousette, Madagascar Rousette. French: Roussette de Madagascar. German: Madagaskar-Höhlenflughund.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Samonds (2007: 57 - 58) found *Rousettus* sp. cf. *R. madagascariensis* within the deposits (NCC-1 locality) dating estimated as 69,600 to 86,800 years old within the Anjohibe cave. Samonds (2007: 60) found samples of *R. madagascariensis* in deposit (SS2) which was collected from the surface near the main cave entrance, the dating attemps revealed this sample was contaminated, therefore no date is known for Anjohibe cave, Madagascar.
Gunnell *et al.* (2014: 3) also refer to Goodman and Junkers (2013), who report on fossil material from the Andrahomana cave in Madagascar.

CONSERVATION STATUS:
Global - This species is listed as Near Threatened (NT ver 3.1 (2001)) as it is believed to have undergone a decline in the region of 20-25% over the past 15 years or so primarily as a result of chronic hunting. Almost qualifies for listing as threatened under criterion A2d. This species is not thought to be declining fast enough to place it in a category of higher threat, although a review of this assessment may be warranted in future, especially with further information on the degree to which it may be impacted by habitat loss (Andriafidison *et al.*, 2008q; IUCN, 2009).
Assessment History -
2008 - NT ver 3.1 (2001) (Andriafidison *et al.*, 2008q; IUCN, 2009). 2000 - LR/nt ver 2.3 (1994). 1996 - Vu ver 2.3 (1994).

MAJOR THREATS:
Andriafidison *et al.* (2008q) [in IUCN (2009)] report that the extent to which the destruction and degradation of natural forest threatens this species is poorly understood, while Andrianaivoarivelo *et al.* (2011b: 81) indicate that this is an indirect threat. Although Goodman *et al.* (2005a) suggested that *R. madagascariensis* is not dependent on relatively intact forest there are insufficient data on its annual dietary requirements to decide this matter. It is clear, however, that some of the roosting colonies are located some distance from intact forest and additional study is therefore needed on the mobility of this species. The main threats to *R. madagascariensis* are to its roosts where it is subject to hunting pressure (Jenkins *et al.*, 2007a; Rakotonandrasana and Goodman, 2007; Jenkins and Racey, 2008; Andrianaivoarivelo *et al.*, 2011b: 78, 81) in virtually all sites that are not inside protected areas (Goodman *et al.*, 2005a) or considered sacred (Rakotoarivelo and Randrianandrianina, 2007). Jenkins *et al.* (2011: 1), however, indicate that the taboo on hunting in sacred areas is rapidly eroding. It appears to be hunted exclusively for subsistence and bats are harvested using locally made traps as well as being knocked down from the cave ceiling with wooden batons (Rakotonandrasana and Goodman, 2007). *R. madagascariensis* can legally be hunted between the first of May and the first of September (Anonymus, 2007b: 6). On Ile Sainte Marie the reported offtake was between 360 and 480 bats per year (Rakotonandrasana and Goodman, 2007).

Jenkins *et al.* (2007b: 213) point out that *R. madagascariensis* is very vulnerable to hunters because it roosts in caves, which can easily be covered by a trap system. They mention that one local farmer was able to capture 170 bats in a single night.

Cardiff *et al.* (2012: 479) investigated the influence of tourist disturbance on roosting *R. madagascariensis*. They found that the bats were slightly less disturbed when ambient light was present. Directly illuminating the bats resulted in higher disturbance. Also in roosts which were previously visited by hunters, the bats were more easily disturbed. They suggest keeping a minimum visit distance of 12 m, not illuminating the bats directly, and not opening other roost sites for tourism to limit the disturbance of the bats.

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008q) [in IUCN (2009)] report that, as a game species under Malagasy law (Durbin, 2007), *R. madagascariensis* is only protected when it occurs in nature reserves. In a survey of western Madagascar, it was found in six protected areas: Réserve Spéciale d'Ankarana, Réserve Spéciale d'Analamerana, Parc National d'Ankarafantsika, Parc National de Namoroka, Parc National du Tsingy de Bemaraha and Parc National d'Isalo (Goodman *et al.*, 2005a). Roosts within existing protected areas need to receive close attention from park staff to discourage hunting. Other roosts need to be conserved and this might be best achieved through their inclusion within new protected areas and with the cooperation of local communities.

GENERAL DISTRIBUTION:
Rousettus madagascariensis is endemic to the island of Madagascar where it is widespread but rare or absent from the central highlands and the arid south-west (MacKinnon *et al.*, 2003; Goodman *et al.*, 2005a). It has also been recorded from the off-shore islands of Nosy Be, Nosy Komba, and Ile Sainte-Marie (Rakotonandrasana and Goodman, 2007: 6).

Native: Madagascar (MacKinnon *et al.*, 2003; Goodman *et al.*, 2005a; Rakotonandrasana and Goodman, 2007: 6).

BIOGEOGRAPHY:
Goodman *et al.* (2010b: 600) did not find any clear phylogeographic structure for populations of *R. madagascariensis* on Madagascar. Across the 1,600 km length of Madagascar individuals of *R. madagascariensis* from extreme ends of the island and across numerous biomes, and nearshore islands up to 13 km from the island, demonstrated complete genetic mixing.

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 55) indicate that the baculum has a rounded distal tip and a distinctly narrower proximal base; length: 2.25 ± 0.228 (1.96 - 2.57) mm, width: 0.98 ± 0.179 (0.76 - 1.19) mm.

SEXUAL DIMORPHISM:
Goodman *et al.* (2017b: 72) measured 271 adult males and 289 adult females, and found males to be significantly larger in both forearm length and body mass, although with a considerable overlap: ♂♂: Fa: 75.3 ± 2.00 (70 - 80) mm, Weight: 64.6 ± 6.85 (48.0 - 81.5) g; ♀♀: Fa: 73.0 ± 2.04 (66 - 80) mm, Weight: 56.8 ± 6.54 (31.0 - 75.5) g.

MOLECULAR BIOLOGY:
DNA - Goodman *et al.* (2010b) examined Cyt-*b* from 131 individuals from 17 sites across Madagascar.
Andrianaivoarivelo *et al.* (2008: 1025) isolated 22 nuclear microsatellite loci, which will provide valuable information for population genetic studies.

Karyotype - 2n = 36 and FN = 66, containing 7 large metacentrics, 4 medium-sized submetacentrics, 5 small metacentrics and one acrocentric pair; X: large submetacentric; Y: smallest chromosome, largely heterochromatic (see Richards *et al.*, 2016d: 187, 189).

Protein / allozyme - Unknown.

HABITAT:
Due to its small size, Andrianaivoarivelo *et al.* (2011a: 70) suggest that it is potentially an important seed disperser and pollinator inside forests, since the two other Madagascan fruit bat species are rather large and unable to fly within dense foliage. It was also found to forage in relatively intact forest and highly modified habitats close to villages (see Andrianaivoarivelo *et al.*, 2011a: 76), although this contradicts observations by Randrianandriananina *et al.* (2006), who did not find any *R. madagascariensis* specimens in relatively intact humid forest.

Dammhahn and Goodman (2013: 108) indicate that mid- to upper-canopy in forest and trees growing in open areas form the foraging habitat of this species.

HABITS:
Using radio tracking and light-tagged individuals, Andrianaivoarivelo *et al.* (2011a: 69, 73) found that these bats travelled over 8 km (up to 14.2 km for females and 14.8 km for males) from their roost sites to their feeding grounds, and that round trips might be as far as 27 km. Goodman (1999: 253) and Andrianaivoarivelo *et al.* (2011a: 73) report that they only grasp a ripe fruit in their mouths and then fly off to consume it.

ROOST:
Rousettus madagascariensis roosts in caves and although it is widespread, relatively few roosts are known (MacKinnon *et al.*, 2003). Even though some roosts are protected from hunters because they occur in protected areas (Kofoky *et al.*, 2007) or sacred sites (Rakotoarivelo and Randrianandrianina, 2007), there are many reports of hunting in and around caves (Rakotonandrasana and Goodman, 2007; Jenkins *et al.*, 2007b).

DIET:
Goodman (1999: 253), Andrianaivoarivelo *et al.* (2007: 3) and Andrianaivoarivelo *et al.* (2011a: 69) reported that this species extensively feeds on the fruits of banana (*Musa paradisiaca*, family Musaceae), litchi (*Litchi chinensis*, family Sapindaceae), and *Dimocarpus longan* (Sapindaceae). Jenkins *et al.* (2007b: 213) [referring to Rakotonirainy, 2001] mention these bats visiting *Ficus soroceoides, F. pyrifolia*, and *F. guatteriifolia*. However, Andrianaivoarivelo *et al.* (2012: 19) indicate that in flight cage experiments, *R. madagascariensis* preferred native or introduced fruit of no commercial value (*Ficus polita, Syzygium jambos* and *S. malaccense* (Myrtaceae)) to commercially important fruits (*Litchi chinensis* and *Diospyros kaki*).

Faecal analysis performed by Nogales *et al.* (2006: 69) indicated that small amounts of seeds were present, which suggests that these bats either feed on nectar, flowers and leaves or on fruits with seeds too large to swallow. They did find *Ficus* seeds in the faeces during the months of March and April.

Jenkins (2007: 17) reported the following plant species being found in faecal samples: *Ficus soroceoides, Ficus botryoïdes, Ficus pyrifolia, Ficus brachyclada* and *Rubus mollucanus*. Seeds less than 2.5 mm in length were swallowed. The seeds that passed through the bat's gut germinated faster than non-ingested seeds.

Andrianaivoarivelo *et al.* (2011a: 75) also indicate that seeds of *Ficus rubra*, which have passed through the digestive tract of *R. madagascariensis* germinate faster than those not passing through it.

Ramanantsalama *et al.* (2018: 6) reported that adult *R. madagascariensis* consumed 37 ± 16 (range 2 - 67) ectoparasites (Streblidae and Nycteribiidae) per day while grooming, whereas juveniles did not ingest any parasites. However, they do admit that this number is an overestimation as they refer to Rajemison *et al.* (2017b), who reported an average of 6.6 bat flies per adult.

PREDATORS:
In one locality on Madagascar (near Antonibe), Goodman and Griffiths (2006: 555) found that 81.3% of the total biomass predated by the barn owl (*Tyto alba*) consisted of *R. madagascariensis*.

POPULATION:
Structure and Density - It roosts in aggregations of up over a thousand individuals (MacKinnon *et al.*, 2003; Rakotoarivelo and Randrianandrianina, 2007), but smaller colonies of a few hundred are also known (Jenkins *et al.*, 2007a; Kofoky *et al.*, 2007; Andrianaivoarivelo *et al.*, 2011b: 80). It can be locally abundant and is often the most commonly trapped species in mist-netting surveys in the west of Madagascar (Kofoky *et al.*, 2007; Rakotoarivelo and Randrianandrianina, 2007).

For the "Grotte des Chauves-souris, Ankarana", Lalarivoniaina Noroalintseheno *et al.* (2017: 72) estimated the population size to be between 675 and 4000 (IC 95 %, between September 2014 and September 2015).

Trend - 2008 - Decreasing (Andriafidison *et al.*, 2008q; IUCN, 2009; Andrianaivoarivelo *et al.*, 2011b: 80).

LIFESPAN:
Lalarivoniaina Noroalintseheno *et al.* (2017: 73) found that the survival rate of males tended to exceed that of females.

REPRODUCTION AND ONTOGENY:
Andrianaivoarivelo *et al.* (2011a: 69, 73) report that most juveniles were captured between March and July, and they suspect that young are weaned before 8 weeks of age. Pregnancy (October-December), lactation (December-January) and weaning occurs in the austral summer, when food is readily available.
Lalarivoniaina Noroalintseheno *et al.* (2017: 69) indicate that mating occurs in the dry season and births follow in the wet season.

MATING:
Goodman *et al.* (2017b: 74) indicate that this species probably has a diffused polygamous mating system, with male-male competition for access to females.

POSTNATAL DEVELOPMENT:
Andrianaivoarivelo *et al.* (2011a: 69) were unable to distinguish juveniles from adults in December, and therefore assume that *R. madagascariensis* reaches somatic maturity within one year.

PARASITES:
Gomard *et al.* (2016: 5) found 15 out of the 49 bats they tested to be positive for *Leptospira* bacteria.

DIPTERA
Tortosa *et al.* (2013: 3), Wilkinson *et al.* (2016), Rajemison *et al.* (2017a) and [1r(5599: Suppl.) report the presence of the Nycteribiid bat fly *Eucampsipoda madagascarensis* Theodor, 1955. Rajemison *et al.* (2017b: 72) reported a second bat fly: *Megastrebla wenzeli* (Jobling, 1952), belonging to the Streblidae. They found that the number of *E. madagascariensis* flies per bat (up to 27) varied by season and was lowest during the rainy season, and that the sex ratio for this fly was biased towards males (especially during the dry season). As for the bats, adult males were more infected by *E. madagascariensis* than females, subadults and neonates. No such variation was observed for *M. wenzeli*.

SIPHONAPTERA
Hastriter (2016: 15) reported the collection of a male flea (*Araeopsylla martialis* (Rotschild, 1903)) from a *Rousettus madagascariensis*, but believes this to be an accidental association.

VIRUSES:
Astroviridae
Two out of 41 by Lebarbenchon *et al.* (2017: Suppl.) tested bats were positive for Astroviruses.

Paramyxoviridae
Henipavirus
Nipah (NiV) - In Madagascar during 2003 - 2004, Iehlé *et al.* (2007) could not detect the virus. Kuzmin *et al.* (2011a: 5) suggest that their exposure to NiV might be the result of contact with infected *Pteropus rufus* specimens.
Hendra (HeV) - In Madagascar during 2003 - 2004, Iehlé *et al.* (2007) were unable to detect the virus.
Tioman (TiV) - In Madagascar during 2003 - 2004, Iehlé *et al.* (2007) found an overall contamination of 20.0 %.

Rhabdoviridae
Lyssavirus
Lagos bat virus (LBV) - A sero reaction was found by Mélade *et al.* (2016a: 6) in seven out of 35 bats tested.
Duvenhage lyssavirus (DUVV) - Four out of 33 bats tested positive in the same study.

UTILISATION:
Golden (2005) reported large annual harvests in the Makira forest and Maroantsetra were unsustainable.
See Jenkins *et al.* (2007b) and Goodman *et al.* (2008d).

Golden and Comaroff (2015: 5) indicate that flying foxes and other fruit bats (including *R. madagascariensis*) are frequently the subject of food taboos, which they link to the fact that these bats are carriers of virulent zoonotic diseases.

ANTHROPOPHILOUS:
Cardiff *et al.* (2012) suggests that a minimum visit distance of 12 m should be maintained and not illuminating the bats directly at tourist caves, as well as not opening other roost sites to tourism, is likely to help to limit disturbance of *R. madagascariensis* by tourists at Ankarana.

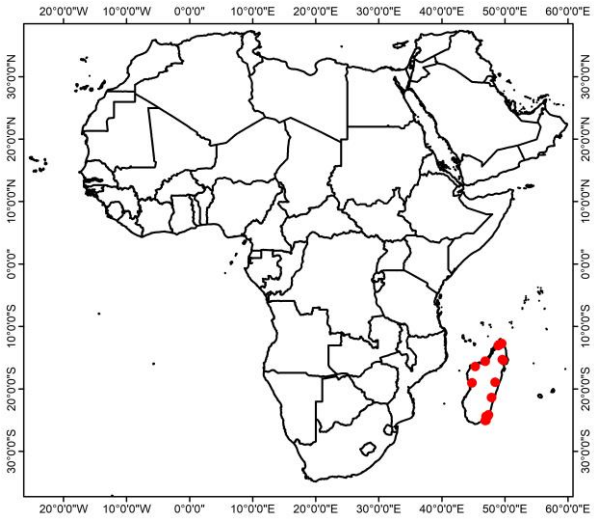

Figure 44. Distribution of *Rousettus madagascariensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Madagascar.

Rousettus obliviosus Kock, 1978

*1978. *Rousettus (Rousettus) obliviosus* Kock, in: Olembo, Castelino, and Mutere, Proceedings of the 4th International Bat Research Conference Nairobi, 208. Type locality: Comoros: Grand Comoro: Boboni, cave near [ca. 11 35 S 43 20 E, 640 m]. Holotype: ZFMK 1958.0207:. Holotype: ZMB 58207: ad ♂. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 3 August 1903; original number: 60. See Turni and Kock (2008: 21). Paratype: SMF 47973: ad ♂, skull and alcoholic. Formerly ZMB 58201; see Turni and Kock (2008: 21). Paratype: ZMA MAM.20903: sad ♀, skull and alcoholic. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 10-11 October 1903; original number: 94. From Anjouan [= Nzwani, Comoro Ids.]. Formerly ZMB 58196, exchanged in 1979, see Turni and Kock (2008: 21), Bergmans (2011: 842). Paratype: ZMA MAM.20906: imm ♀, skull and alcoholic. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 11 October 1903. Paratype: ZMB 4908: skull only. Collected by: Dr. Johann Maria Hildebrandt; collection

date: 3 August 1903. From Anjouan [Nzwami, Comoro Isls.]; see Turni and Kock (2008: 21). Paratype: ZMB 58189: skull and alcoholic. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 10-11 October 1903; original number: 91. From Cercle de Bambao, Anjouan [= Nzwani, Comoro Ids.]; see Turni and Kock (2008: 21). Paratype: ZMB 58197: sad ♀. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 10-11 October 1903; original number: 88 ?. From Anjouan [= Nzwani, Comoro Ids.]; see Turni and Kock (2008: 21). Paratype: ZMB 58198: skin and skull. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 10-11 October 1903. From Cercle de Bambao, Anjouan [= Nzwani, Comoro Ids.]; see Turni and Kock (2008: 21). Paratype: ZMB 58199: sad ♀. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 10-11 October 1903; original number: 88 ?. From Anjouan [= Nzwani, Comoro Ids.]; see Turni and Kock (2008: 21). Paratype: ZMB 58200: skull and alcoholic. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 10-11 October 1903; original number: 97. From Cercle de Bambao, Anjouan [= Nzwani, Comoro Ids.]; see Turni and Kock (2008: 21). Paratype: ZMB 58202: ad ♀, alcoholic (skull not removed). Collected by: Prof. Dr. Alfred Voeltzkow. From Boboni cave, Grand Comoro; see Turni and Kock (2008: 21). Paratype: ZMB 58203: skull and alcoholic. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 21 December 1903. From Grand Comoro; see Turni and Kock (2008: 21). Paratype: ZMB 58204: skull and alcoholic. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 21 December 1903. From Grand Comoro; see Turni and Kock (2008: 21). Paratype: ZMB 58205: skull and alcoholic. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 21 December 1903. From Grand Comoro; see Turni and Kock (2008: 21). Paratype: ZMB 58206: skull and alcoholic. Collected by: Prof. Dr. Alfred Voeltzkow; collection date: 21 December 1903. From Grand Comoro; see Turni and Kock (2008: 21).

? *Rousettus obliviosus:* (Name Combination, Current Combination)

TAXONOMY:
Considered a valid species by Meirte (1987), Koopman (1993a: 153), Bergmans (1994: 79), Wilson and Cole (2000: 40), and Simmons (2005: 348), but as a subspecies of *madagascariensis* by Peterson *et al.* (1995: 48).

Goodman *et al.*, 2010b: 599) shows that *R. obliviosus* is a sister taxa to *R. madagascariensis* with a 6.2-8.7 % sequence divergence, and clearly form a reciprocally monophyletic clades.

COMMON NAMES:
Czech: kaloň Kockův. English: Comoro Rousette. French: Roussette des Comores, la petite roussette des Comores. German: Komoren-Höhlenflughund.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU B1ab(iii)+2ab(iii) ver 3.1 (2001)) in view of its extent of occurrence of and area of occupancy being a maximum of 1,659 km^2), with all individuals in fewer than ten locations (six roosting caves known), and a continuing decline in the extent and quality of its habitat. If the roosting locality of Bandakalala has been abandoned, and no additional roosting sites located, then the species will qualify as Endangered B1ab(iii)+2ab(iii) in view of its restricted range and being limited to five or fewer localities (roosting caves) (Mickleburgh *et al.*, 2008v; IUCN, 2009).
Assessment History -
2008 - VU B1ab(iii)+2ab(iii) ver 3.1 (2001) (Mickleburgh *et al.*, 2008v; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004cr; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
Mickleburgh *et al.* (2008v) [in IUCN (2009)] report that the species is sensitive to disturbance at roost sites and this appears to be the major threat to this restricted range bat. During the early 1990s, deforestation on the Comoros averaged 5.8% per year, with human population growth at 2.5%. While the species is regularly recorded from agricultural areas, and it seems that deforestation is possibly not a major threat, this bat also uses areas of both natural and underplanted forests which are expected to help the species cope with seasonal and year to year environmental variation, including droughts and cyclones (Sewall *et al.*, 2003: 350). Anonymus (2000: 31) also points out that the fact that rivers become dried out, forms a major threat for this species.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008v) [in IUCN (2009)] report that there are currently no direct conservation actions in place for this species. The National Conservation Action Plan for *Pteropus livingstoni* (Sewall *et al.*, 2003) includes an appendix for the conservation of *R. obliviosus*. While the few known roosting sites are in remote areas, there is a need to ensure that these caves are not disturbed. Sewall *et al.* (2003) note that the roosting site at Bandakalala on Moheli might have

been abandoned. Additional field surveys are needed to confirm this, as are attempts to locate any additional roost sites for this species. Anonymus (2000: 31) indicates that an action plan for the conservation of the Comoran fruit bats needs to be worked out and implemented. Also a local and national education and sensibilisation (Projet Biodiversité, …) needs to be put in place to make people aware of the importance of fruit bats and their role in the forests.

GENERAL DISTRIBUTION:
Rousettus obliviosus is restricted to the lower elevations of the islands of Grande Comores, Moheli and Ajouan in the Comoros, western Indian Ocean. The species has not been reported on Mayotte Island (Louette, 1999; Sewall *et al.*, 2003; Goodman *et al.*, 2010c: 124); Goodman *et al.* (2010c: 125) suggest that the reason for the absence from Mayotte island is that it is geologically the oldest (Emerick and Duncan, 1982) and the former lava tubes - important day roost sites for this species elsewhere in the archipelago - have collapsed (Goodman *et al.*, 2010c: 125). On Grande Comore it has an elevational range from near 30 to 1,750 m, on Anjouan from 200 to 1,350 m, and on Moheli from 10 to 700 m (Sewall *et al.*, 2003; Goodman *et al.*, 2010c: 125).

Native: Comoros (Mickleburgh *et al.*, 1992; Carroll and Feistner, 1996; Sewall *et al.*, 2003; Goodman *et al.*, 2010c: 124).

BIOGEOGRAPHY:
Goodman *et al.* (2010b: 600) did not find any clear phylogeographic structure for populations of *R. obliviosus* on Grand Comore, Anjouan and Moheli, with open-water distances separating these islands between 40 and 80 km.

MOLECULAR BIOLOGY:
DNA - Goodman *et al.* (2010b) examined Cyt-*b* from 44 individuals from three islands in the Comoro island (Grande Comore, Anjouan, and Moheli).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
R. obliviosus has been found roosting in forest caves near waterfalls (Anonymus, 2000: 30) and it feeds in the Comoron rain forests. Forages in agricultural zones, degraded or largely intact-forested areas, and understory plantations (Goodman *et al.*, 2010c: 125). A number of cave roost sites are at considerable distances from native forests (Goodman *et al.*, 2010c: 125).

HABITS:
R. obliviosus is strictly nocturnal, as Goodman *et al.* (2010c: 125) recorded exit times commenced on the 16 November 2006 at 18h45, after complete darkness at a cave roost at Nyamaoui Panga (Grand Comore).

ROOST:
Roosts in lava tube caves or difficult to access rock crevices (Goodman *et al.*, 2010c: 125). Reason *et al.* (1994) suggested that it uses tree hollows for day roost sites. However, there is no evidence for this (Goodman *et al.*, 2010c: 125). Wilkinson *et al.* (2012: 160) indicate that caves are typical roosting sites for this species on the Comoros.

Middleton and Hume (2010: 137) found a colony of a few thousand animals in a large overhang 12.4 m high, 15 m deep and about 35 m long, beside a waterfall on Anjouan Island.

DIET:
Young *et al.* (1993) [in Carroll and Feistner (1996: 330)] indicate that *R. obliviosus* and *P. livingstonii* were captured at the same kapok and fig feeding sites on Anjouan, which would suggest that their feeding niches might overlap. However, they also indicate that there might be a vertical separation between the two species.

Based on direct observations and food plants recovered from ejecta, *R. obliviosus* commonly feeds on several species of introduced fruiting plants (Mickleburgh *et al.*, 1992; Sewall *et al.*, 2003). Goodman *et al.* (2010c: 125) list *Ceiba pentandra* [= Kapok tree] (Malvaceae), *Musa* spp. [= Banana] (Musaceae), *Artocarpus integrifolia* [= Jackfruit] (Moraceae), and *Carica papaya* [= Papaya] (Caricaceae). Most of these are introduced plants which are abundant in agricultural areas with degraded forest. Ratrimomanarivo (2007) characterized *R. obliviosus* as a forest dependent species, which is not supported by Goodman *et al.* (2010c: 125).

POPULATION:
Structure and Density - The species is fairly common, with colony roost size ranging from around 100 to several thousand animals (Sewall *et al.*, 2003; Goodman *et al.*, 2010c: 125). Hume and Middleton (2011: 35) report that over 2,000 animals were hanging from the ceiling of a cave called "Rousettus Overhang" on Anjouan. The total estimated population is between 7,100 and 17,100 bats (Sewall *et al.*, 2003).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008v; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Reason *et al.* (1994: 125) noted that during the

months of July and August 1992 on Anjouan, non-reproductive subadults were captured, estimated to be between 3 and 12 months old. Similarly, Carroll and Thorpe (1991) on Anjouan late July 1990 captured four parous adult females and two non-parous adult females; not one showed signs of reproductive activity. On the 16 November, Goodman *et al.* (2010c: 125) visited Nyamaoui Panga on Grande Comore, where among the 14 free-flying adults captured, seven were male, one of which had scrotal testes measuring 8 x 4 mm with partially convoluted epididymes, and the remaining six were not in reproductive condition. Amongst the seven females, two were pregnant, with single embryos measuring 2 - 31 mm in crown rump length, four lactating, and one non-reproductive. Goodman *et al.* (2010c: 125) revisited the site on the 6 December 2006 and amongst the six individuals caught, one male had abdominal testes, one was a female that had previously reproduced and showed no sign of active reproduction, and the balance were lactating females with single placental scars. This indicates that individuals at different reproductive stages during the same period, and there also appears to be notable inter-island synchronization in the reproductive season (Goodman *et al.*, 2010c: 125). The birthing period would seem to coincide with the wet season, October to April.

PARASITES:
R. obliviosus from the Comoros tested positive for *Leptospira* bacteria (Lagadec *et al.*, 2012: 1696). Dietrich *et al.* (2018a: 3) identified these further as *L. interrogans* and *L. borgpetersenii*. Lei and Olival (2014: Suppl.) mention that the species is also a host for *Bartonella* bacteria.

Tortosa *et al.* (2013: 3) and Wilkinson *et al.* (2016) report the presence of the Nycteribiid bat fly *Eucampsipoda theodori*.

VIRUSES:
Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 26 individuals from the Comoros using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 0 positive results for viral nucleic acids.

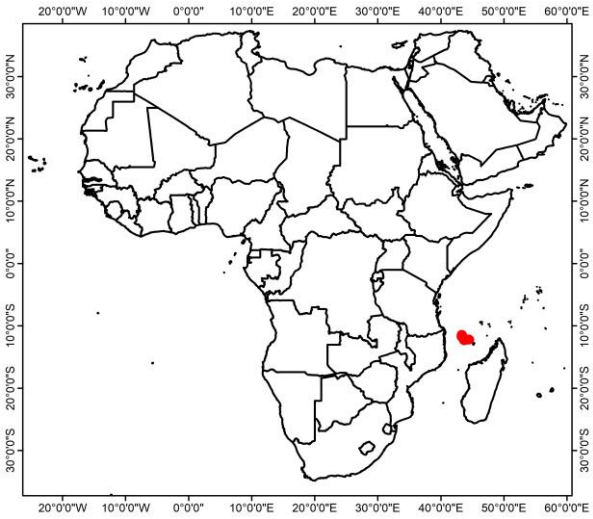

Figure 45. Distribution of *Rousettus obliviosus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Comoros, South Africa.

Genus ***Scotonycteris*** Matschie, 1894

*1894. *Scotonycteris* Matschie, Sber. Ges. naturf. Freunde Berlin, 200. - Comments: Type species: *Scotonycteris zenkeri* Matschie, 1894. - Etymology: From the Greek "*σκόοτος*", meaning darkness and "*νυκτερίς*", meaning bat (see Palmer, 1904: 627). (Current Combination)

TAXONOMY:
Reviewed by Bergmans (1991). See also Simmons (2005: 349), Hassanin *et al.* (2015).

Based on cyt *b* analyses, Hassanin (2014: 141) transferred *ophiodon* Pohle, 1943 from *Scotonycteris* to *Casinycteris*. Further analyses on cyt *b* and nuclear DNA data led Hassanin *et al.* (2015: 206) to split up *S. zenkeri* in four clades of which they recognized three as full species.

Included in the Scotonycterini tribe by Bergmans (1997: 69) and Almeida *et al.* (2016: 83), which was considered part of the Epomophorinae by the former and of the Rousettinae by the latter.

Known species of *Scotonycteris*: ***bergmansi*** Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015, ***occidentalis*** Hayman, 1947, ***zenkeri*** Matschie, 1894.

COMMON NAMES:
Czech: hadozubí kaloni. English: Harlequin Fruit-bats, Tear-drop Fruit-bats, West African fruit bats. French: Scotonyctères. German: Harlekin-Flughunde.

MOLECULAR BIOLOGY:
Based on analyses of mitochondrial cyt *b* and

nuclear DNA sequences, Hassanin *et al.* (2015: 205) found support for four clades: Upper Guinea (Liberia and Côte d'Ivoire), Cameroon, western Equatorial Africa (EG, Gabon, RC, and southwestern CAR), and eastern DRC. The mtDNA distances calculated between these four geographic clades are slightly higher than those found between the three species of the genus *Casinycteris*, which suggest that *S. zenkeri* might contain four cryptic species. These results are confirmed nuclear DNA data, except for the eastern DRC clade. Hassanin *et al.* (2015) suggest that females from eastern DRC and western Equatorial Africa have remained isolated since the end of the Pliocene (2.7 Mya), whereas males were able to disperse, at least occasionally during interglacial periods, resulting in male-mediated nuclear gene flow between these distant populations, apparently from western Equatorial Africa to eastern DRC.

Scotonycteris bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015

*2015. *Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, C. R. Biologies, 338 (3): 206. Publication date: 27 January 2015. Type locality: Central African Republic: Mabaéré-Bodingué National Park: Case of Kpoka [3.90 N 17.16 E, 430 m] [Goto Description]. Holotype: MNHN ZM-2011-713: ad ♀, alcoholic (skull not removed). Collected by: Alexandre Hassanin, Emmanuel Nakouné, Nicolas Nesi and Carine Ngoagouni; collection date: 16 November 2008; original number: R08-119. - Etymology: In honour of Dr. Wim Bergmans, a Dutch zoologist, for his outstanding contributions in the fields of taxonomy and biogeography of African fruit bats (see Hassanin *et al.* (2015: 206).

COMMON NAMES:
English: Bergmans's fruit bat. French: Scotonyctère de Bergmans.

GENERAL DISTRIBUTION:
Scotonycteris bergmansi occurs in Equatorial Africa, where it is known from the rainforests of Gabon, Equatorial Guinea, Republic of Congo, southern Central African Republic, and eastern Democratic Republic of the Congo Hassanin *et al.* (2015: 207).

Native: Gabon, Equatorial Guinea, Congo, Central African Republic, Democratic Republic of the Congo.

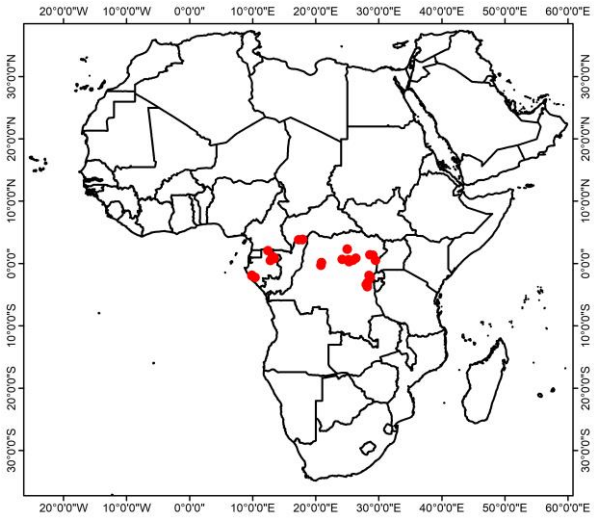

Figure 46. Distribution of *Scotonycteris bergmansi*

Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015

*2015. *Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, C. R. Biologies, 338 (3): 206. Publication date: 27 January 2015. Type locality: Central African Republic: Mabaéré-Bodingué National Park: Case of Kpoka [3.90 N 17.16 E, 430 m] [Goto Description]. - Etymology: In honour of Dr. Wim Bergmans, a Dutch zoologist, for his outstanding contributions in the fields of taxonomy and biogeography of African fruit bats (see Hassanin *et al.* (2015: 206).

GENERAL DISTRIBUTION:
Scotonycteris bergmansi bergmansi is found in the rainforests of western Equatorial Africa in the following countries: Central African Republic (South), Republic of Congo, Gabon, and Equatorial Guinea.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Primus *et al.* (2006) reported a male "*S. zenkeri*" from Gabon with a 2*n* = 32.
Protein / allozyme - Unknown.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Central African Republic, Equatorial Guinea, Gabon.

Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015

*2015. *Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, C. R. Biologies, 338 (3): 207. Publication date: 27 January 2015. Type locality: Congo (Democratic Republic of the): Sukisa [2.31 N 24.98 E, 470 m] [Goto Description]. Holotype: MNHN ZM-2014-564: ad ♀, alcoholic (skull not removed). Original number: K13-48.

GENERAL DISTRIBUTION:
Scotonycteris bergmansi congoensis is found in the rainforests of eastern DRC.

Native: Congo (Democratic Republic of the).

DIET:
Gembu Tungaluna (2012: 110 - 112) reported the following fruits being eaten by "*Scotonycteris zenkeri*" in the Kisangani area (DRC) during the various seasons: First heavy rain season (September - November): *Ficus leprieuri* Miq., 1867 (29%), *Ficus wildemanniana* Warb. (22%), *Uapaca guineensis* Müll.Arg., 1864 (Sugar plum, red cedar, false mahogany, rikio) (14%), *Musanga cecropioides* R.Br. & Tedlie (African corkwood tree, umbrella tree) (14%), *Spondias cytherea* Sonnerat, 1782 (Ambarella, otaheite apple, great hog plum) (7%), *Annonidium mannii* (Oliv.) Engl. & Diels (Junglesop) (7%), *Pseudospondias microcarpa* (A. Rich.) Engl. (7%).
First mild rain season (December - February): *Ficus wildemanniana* (33%), *Ficus leprieuri* (27%), *Myrianthus arboreus* P. Beauvois, 1805 (giant yellow mulberry, bush pineapple, corkwood) (20%), *Musanga cecropioides* (20%).
Second heavy rain season (March - May): *Annonidium mannii* (17%), *Musanga cecropioides* (17%), *Oncoba welwitschii* Oliv. (11%), *Ficus leprieuri* (11%), *Ficus vallis-choudae* Delile (11%), *Ficus* sp1 (11%), *Parinari excelsa* Sabine (Guinea plum) (6%), *Carica papaya* L. (papaya) (6%), *Uapaca guineensis* (5%), *Spondias cytherea* (5%).
"Dry" season (June - August): *Parinari excelsa* (50%), *Ficus leprieuri* (25%), *Musanga cecropioides* (25%).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the).

Scotonycteris occidentalis Hayman, 1947

1947. *Scotonycteris zenkeri occidentalis* Hayman, Ann. Mag. nat. Hist., ser. 11, 13 (104): 547 (for 1946). Publication date: 25 June 1947. Type locality: Ghana: Central province: Oda [05 55 N 00 56 W] [Goto Description]. Holotype: BMNH 1946.898: ad ♀, skin and skull. Collected by: George Soper Cansdale; collection date: 1946. - Etymology: *occidentalis* refers to the western Africa.

COMMON NAMES:
English: Hayman's tear-drop fruit bat. French: Scotonyctère de Hayman.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bm) [in IUCN (2009)] report that although there appear to be no direct conservation measures in place [for "*S. zenkeri*"], it has been recorded from a number of protected areas (e.g. Tai National Park, Côte d'Ivoire). There is a need to investigate whether this species can adapt to secondary forest habitats. Further studies are needed to fully determine if the species is present in forested areas between known localities.

GENERAL DISTRIBUTION:
Scotonycteris occidentalis is distributed in West Africa, where it ranges from Liberia and Guinea, into Côte d'Ivoire, Ghana and possibly Nigeria.

Native: Côte d'Ivoire (Heim de Balsac, 1934b: 24 - as "*S. zenkeri*); Ghana; Guinea; Liberia; Nigeria [Hassanin *et al.* (2015: 206) indicate that some Nigerian populations might belong to *S. zenkeri*, leaving the possibility that some others might belong to *S. occidentalis*].

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Côte d'Ivoire, Ghana, Guinea, Liberia.

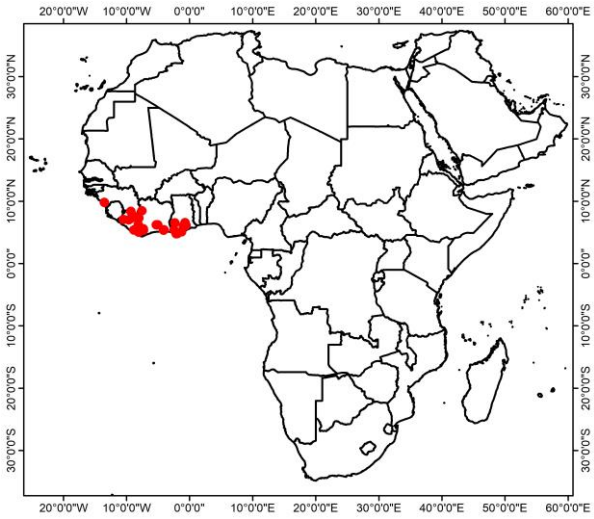

Figure 47. Distribution of *Scotonycteris occidentalis*

Scotonycteris zenkeri Matschie, 1894

*1894. *Scotonycteris zenkeri* Matschie, Sber. Ges. naturf. Freunde Berlin, 202. Type locality: Cameroon: Yaunde [03 52 N 11 31 E]. Holotype: ZMB 66533: ad ♀, skull and alcoholic. Collected by: Georg August Zenker. See Turni and Kock (2008: 21). (Current Combination)

1904. *Scotonycteris bedfordi* Thomas, Abstr. Proc. Zool. Soc. Lond., 4: 14. Publication date: 8 March 1904. Type locality: Equatorial Guinea: Bioko: Fish Town [10 m] [Goto Description]. Holotype: BMNH 1904.7.1.28: ad ♀, skin and skull. Collected by: E. Seimund; collection date: 2 January 1904; original number: 31. Presented by Fernando Poo Committee: see Andersen (1912b: 568).

? *Scotonycteris zenkeri zenkeri:* (Name Combination)

TAXONOMY:
See Simmons (2005: 349).

See also Hassanin *et al.* (2015: 206), who split-off *occidentalis* and *bergmansi*.

COMMON NAMES:
Czech: kaloň Zenkerův. English: Zenker's Harlequin Fruit-bat, Zenker's Tear-drop Fruit-bat, Zenker's Fruit Bat. French: Scontonyctère de Zenker, Roussette de Zenker. German: Zenkers Harlekin-Flughund. Spanish (Castillian): Zorra Voladora de Zenker.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it occurs in some protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bm; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bm; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004bk; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

This status is for *S. zenkeri* as perceived prior to the publication of Hassanin *et al.* (2015) and will need to be re-evaluated in view of the split-up of this species.

MAJOR THREATS:
The species is threatened by habitat loss, presumably largely through logging and mining operations and the conversion of land to agricultural use (Mickleburgh *et al.*, 2008bm; IUCN, 2009).

GENERAL DISTRIBUTION:
Hassanin *et al.* (2015: 206) restricted the distribution of *S. zenkeri* to Cameroon, with the remark that additional data are needed to assess the taxonomic status of some populations from Nigeria. Tentatively, we assigned the Nigerian specimens to this species.

Native: Cameroon; Nigeria(?).

DETAILED MORPHOLOGY:
Chawana *et al.* (2013: 160) mention that the average brain mass for 2 specimens was 0.64 g.

FUNCTIONAL MORPHOLOGY:
Sagot and Chaverri (2015: 191) indicated that the retinal area in the eye of *S. zenkeri* covers about 40 - 50 mm^2 and contains about 90,000 retinal ganglion cells. The minimum angle of resolution was about 0.227° (ca. 8 mm at 1 m distance).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Primus *et al.* (2006) reported a male from Gabon with a 2*n* = 32, but the specimen on which this is based, would currently be assigned to *S. bergmansi*, so the karyotype for *S. zenkeri* is still to be confirmed.
Protein / allozyme - Unknown.

HABITAT:
Juste B. and Perez del Val (1995: 144) reported that *S. zenkeri* was only netted below 400 m, and was found more frequently in cultivated clearings than in rainforests.

POPULATION:
Structure and Density - It appears to be a rare, or at least rarely recorded, species (Mickleburgh *et al.*, 2008bm; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008bm; IUCN, 2009).

The above statements pertain to *S. zenkeri* s.l. and need to be re-evaluated in view of the split-up proposed by Hassanin *et al.* (2015: 206).

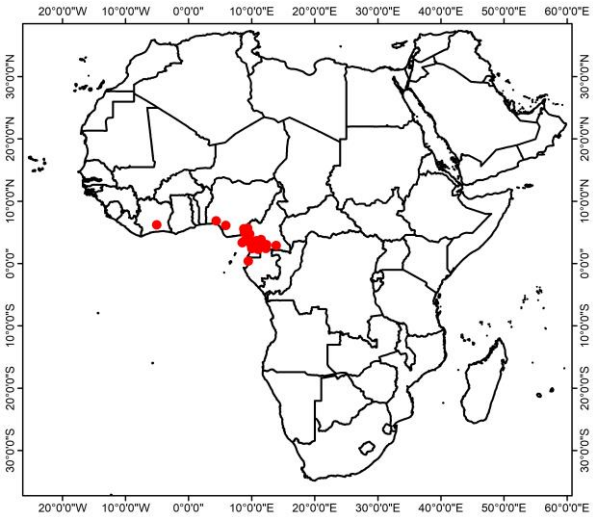

Figure 48. Distribution of *Scotonycteris zenkeri*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Côte d'Ivoire, Equatorial Guinea, Gabon, Nigeria.

Genus ***Stenonycteris*** Gray, 1870

1870. *Stenonycteris* Gray, Catalogue of Monkeys, Lemurs and Fruit-eating bats in the collection of the British Museum London, 127. - Comments: Considered a valid genus by Giannini and Simmons (2003: 504), Lavrenchenko *et al.* (2004b: 130), but only a synonym according to Bergmans (1994: 79). Sometimes considered a valid subgenus containing *lanosus*. Allen (1939a: 62), Meester *et al.* (1986: 28), Bergmans (1994: 80), and Kwiecinski and Griffiths (1999: 1) assigned this name to K. Andersen, Cat. Chiroptera Brit. Mus., 1: 23, 1912. - Etymology: From the Greek *stenos* meaning narrow and *nycteris* meaning bat (see Andersen, 1912b: 23).

TAXONOMY:
Included in the Stenonycterini tribe (Almeida *et al.*, 2016: 83).

Known species of *Stenonycteris*: ***lanosus*** (Thomas, 1906).

Stenonycteris lanosus (Thomas, 1906)

*1906. *Rousettus lanosus* Thomas, Ann. Mag. nat. Hist., ser. 7, 18 (104): 137. Publication date: 1 August 1906. Type locality: Uganda: Ruwenzori East: Mubuku Valley [00 15 N 30 10 E, 13 000 ft] [Goto Description]. Holotype: BMNH 1906.7.1.2: ad ♂, skull and alcoholic. Collected by: Mr. R.B. Woosnam. Presented by Ruwenzori Exploration Committee: see Andersen (1912b). - Comments: Type locality originally "Ruwenzori East at 13,000 ft", but restricted to Mubuku Valley by Hayman *et al.* (1966: 30) (see Bergmans, 1994: 109). - Etymology: From the Greek/Latin? "*lanosus*" for woolly. (Current Combination)

1909. *Rousettus kempi* Thomas, Ann. Mag. nat. Hist., ser. 8, 4 (24): 543. Publication date: 1 December 1909. Type locality: Kenya: Southern slopes Mount Elgon, Kirui's: Twere [ca. 00 46 N 34 37 E, 6 000 ft] [Goto Description]. Holotype: BMNH 1910.4.1.6: sad ♂, skin and skull. Collected by: Robin Kemp; collection date: 16 September 1909; original number:

269. Presented/Donated by: C.D. Rudd Esq. Formerly in Rudd collection.
2012. *Stenonycteris lanosus:* Nesi, Kadjo, Pourrut, Leroy, Pongombo Shongo, Cruaud and Hassanin, Mol. Phylog. Evol., 66 (1): 135 (for 2013). Publication date: 10 October 2012. (Name Combination, Current Combination)
? *Rousettus (Stenonycteris) lanosus:* (Name Combination)
? *Rousettus lanosus kempi:* (Name Combination)
? *Rousettus lanosus lanosus:* (Name Combination)

TAXONOMY:
Revised by Bergmans (1994), but see Simmons (2005: 348).

Included in the genus *Stenonycteris* by Almeida *et al.* (2011a: 5, 7, 9, 10) and Patterson and Webala (2012: 10) since it consistently recovered in another clade allied to *Myonycteris, Lissonycteris*, and *Megaloglossus*.

Nesi *et al.* (2012: 126) confirm that *Stenonycteris* should be considered a separate genus and should even be placed in its own tribe (Stenonycterini), within the subfamily Epomophorinae.

COMMON NAMES:
Czech: kaloň vlnatý. English: Mountain Rousette, Long-haired Rousette, Woolly Rousette, Ruwenzori Long-haired Rousette. French: Roussette du Ruwenzori, Roussette à longs poils. German: Gebirgs-Höhlenflughund. Kinande (DRC): Karakonube

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) [as *Rousettus lanosus*] in view of its wide distribution, presumed large population, it occurs in a number of protected areas, and because the global population is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008dg; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008dg; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004cx; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
The major threats to this species include ongoing deforestation in montane regions, likely disturbance of cave roosting sites (possibly from tourists in parts of its range), and possible overhunting of bats at roost sites for subsistence food by local people (Mickleburgh *et al.*, 2008dg; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dg) [in IUCN (2009)] report that although there appear to be no direct conservation measures in place, it has been recorded from a number of protected areas (e.g. Mount Elgon National Park, Kenya). There is a need to maintain remaining areas of suitable montane forest and to protect major roosting colonies from disturbance. In areas where this species is identified as being overhunted, there is a need to encourage the sustainable use of susceptible populations.

GENERAL DISTRIBUTION:
Stenonycteris lanosus is distributed in East Africa and marginally in Central Africa. It ranges from Ethiopia and southern Sudan in the north of its range, into Kenya, Uganda, eastern Democratic Republic of the Congo and Rwanda, to Tanzania and northern Malawi. It is largely, but not strictly, a montane species being found between 500 and 4,000 m asl (with most records above 1,000 m, e.g. at 13,000 ft in the Mubuku Valley, E. Ruwenzori [Thomas, 1910b: 486]).

Native: Congo (The Democratic Republic of the); Ethiopia (Bergmans, 1994: 79); Kenya; Malawi (Bergmans, 1994; Bergmans, 1994: 79; Monadjem *et al.*, 2010d: 555); Rwanda (Bergmans, 1994: 79); Sudan; Tanzania (Stanley and Goodman, 2011: 41); Uganda (Kityo and Kerbis, 1996: 60).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
From western Uganda, Monadjem *et al.* (2011: 30) reported the following data: Fa: 94.5 mm, mass: 121 g, wing loading: 21.8 N/m^2, aspect ratio: 5.6.

POPULATION:
Structure and Density - This appears to be a little recorded, but locally abundant species (Mickleburgh *et al.*, 1992). It forms colonies of up to a few hundred bats (Mickleburgh *et al.*, 2008dg; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008dg; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 18.7 years.

REPRODUCTION AND ONTOGENY:
Stanley and Goodman (2011: 40) reported on five pregnant females collected between 19 and 24

July 1993 in the South Pare Mountains (Tanzania).

Kingdon (1974) [in Krutzsch (2000: 111)] showed that *S. lanosus* is one of the species in which pregnant or lactating females are present in the population in all months of the year, and where most adult males have enlarged spermatogenic testes and hypertrophied, secretion-filled accessory glands. This would indicate that while males are fecund population-wide, they enter periods of inactivity individually.

PARASITES:

HAEMATOSPORIDA

The two South Sudanese "*Rousettus lanosus*" specimens tested by Schaer *et al.* (2017: 2) were infected by *Hepatocystis* parasites.

DIPTERA

Nycteribiidae: *Dipseliopoda setosa* Theodor, 1955 from Kenya and Tanzania (Haeselbarth *et al.*, 1966: 116).

The fly *Stylidia scissa* Speiser, 1901 was collected on a bat from South Sudan (the same bat where also *T. dina* was collected from, see below), although Bergmans (1982: 161) indicates that this fly is generally found on Microchiropterans and its find might "be due to straggling between spirit specimens".

SIPHONAPTERA

Ischnopsyllidae: *Thaumapsylla breviceps* Rothschild 1907, where the nominate subspecies *T. b. breviceps* Hopkins and Rothschild, 1956 is occurring in Kenya and the DRC (Haeselbarth *et al.*, 1966: 186). *Thaumapsylla dina* Jordan, 1937 in the mountains of the Ruwenzori, Congo and Kenya (Haeselbarth *et al.*, 1966: 186). (Bergmans (1982: 161) reported that this flea was also collected from a "*Rousettus lanosus*" from South Sudan.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:

Burundi, Congo (Democratic Republic of the), Egypt, Ethiopia, Kenya, Malawi, Rwanda, South Sudan, Tanzania, Uganda.

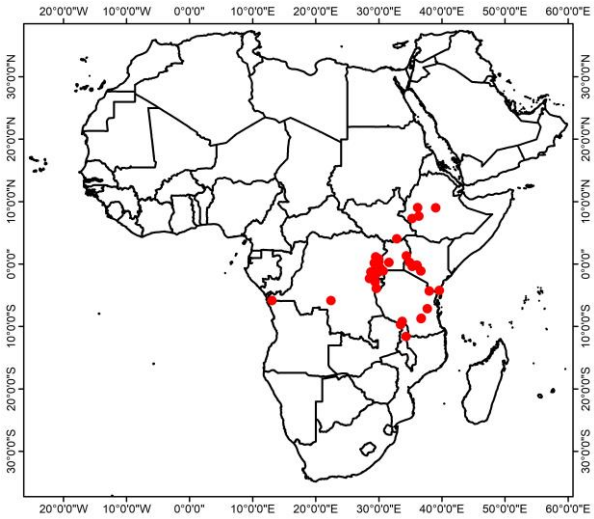

Figure 49. Distribution of *Stenonycteris lanosus*

INFRAORDER RHINOLOPHIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007

*2007. *RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark, African Chiroptera Report. Publication date: July 2007. - Comments: The name of the Infraorder is based on *Rhinolophus* Lacépède, 1799 (type of RHINOLOPHIDAE Gray, 1825). (Current Combination)
? *Yinochiroptera*

Superfamily RHINOLOPHOIDEA J. E. Gray, 1825

*1825. *Rhinolophoidea* Gray. - Comments: The name of the Superfamily is based on *Rhinolophus* Lacépède, 1799 (type of RHINOLOPHIDAE Gray, 1825).

Some publications assigned the name to Bell (1836). (Current Combination)

COMMON NAMES:
Czech: vrápencovci, vrápenci.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Shi and Rabosky (2015: 1532) [based on Teeling *et al.* (2005)] mention 55 milion years ago as approximate fossil date for the Rhinolophoidea, and Patterson and Webala (2012: 12) indicate that the separation between the Rhinolophidae and the Hipposideridae took place some 28.7 mya, although Shi and Rabosky (2015: 1532) set this about 8 million years earlier (at 37 mya). Foley *et al.* (2014: 320) provide another estimate for the African divergence between the Rhinolophidae and the Hipposideridae from their common ancestor: 42 mya.

Ravel *et al.* (2016: 358) indicate that the oldest occurrence of the Hipposideridae in northern Africa and the oldest occurrence of the Rhinolophidae in eastern Asia suggest that a common ancestor for these two families might have occurred in Central Asia. Unfortunately, there are no fossil records to substantiate this.

BIOGEOGRAPHY:
Foley *et al.* (2014: 320) indicate that the Rhinolophoidea and Pteropodidae diverged approximately 59 Mya. While within the Rhinolophoidae, the families Rhinolophidae and Hipposideridae diverged in Africa from their common ancestor approximately 42 May during the Eocene. The family Rhinonycteridae separated from the other Hipposideridae approximately 39 Mya, also in Africa (Foley *et al.*, 2014: 320).

Family HIPPOSIDERIDAE Lydekker, 1891

1860. *Phyllorrhina* Koch. - Comments: Pavlinov *et al.* (1995: 75) mention *Phyllorrhina* with a question mark as synonym of Hipposideridae. Lanza *et al.* (2015: 121) mention "*Phyllorhina*" Koch as a synonym of the genus *Asellia*.
1891. *Hipposideridae* Lydekker, in: Flower and Lydekker, Mammals Living and Extinct, 657. (Current Combination)
*1891. *Hipposiderinae* Lydekker, in: Flower and Lydekker, Mammals Living and Extinct, 657. - Comments: Type genus: *Hipposideros* Gray, 1831. (Current Combination)
1941. *Coelopsinae* Tate. - Comments: Mentioned as a synonym of the Hipposideridae by Pavlinov *et al.* (1995: 84).
2014. *Hippossideridae:* Ndara R., IJISR, 12 (1): 253. Publication date: November 2014. (Lapsus)
2014. *Hippossyderidae:* Ndara R., IJISR, 12 (1): 252. Publication date: November 2014. (Lapsus)
2015. *Hypposideridae:* Lanza, Funaioli and Riccucci, The bats of Somalia and neighbouring areas, 118. (Lapsus)

2018. *Hipossidaridae:* Malekani, Musaba, Gembu, Bugentho, Toengaho, Badjedjea, Ngabu, Mutombo, Laudisoit, Ewango, Van Cakenberghe, Verheyen, Asimonyo, Masudi, Bongo and Ngbolua, Nat. Conserv. Res., 3 (1): 68. Publication date: January 2018. (Lapsus)

TAXONOMY:
Considered a subfamily of the Rhinolophidae by Koopman (1993a: 169), Schutt and Simmons (1998: 28), but see Harrison and Bates (1991: 51), Corbet and Hill (1992: 104), Peterson *et al.* (1995: 66), Hutson *et al.* (2001), Simmons (2005: 365), who consider this to be a valid family. Hoofer and Van Den Bussche (2003: 10 - 12) suggest that the Hipposideridae might not be monophyletic, with *Triaenops* being different, although they state this might be the result of inadequate sampling.

McKenna and Bell (1997) used the name Rhinonycterinae Gray, 1866 for this group, but this has not been accepted by other authors (Simmons, 2005: 365). Although Rhinonycteridae (= Rhinonycterina Gray, 1866) has priority over Hipposideridae as a family-group name, nobody other than Gray (1866b) used the former name until it was resurrected by McKenna and Bell (1997). Miller (1907) used the name Hipposideridae for this group because *Hipposideros* Gray, 1831 has priority over *Rhinonycteris* Gray, 1866 (= *Rhinonicteris* Gray, 1847). Subsequent authors have followed Miller (1907) usage of Hipposideridae/inae, and Simmons (2005: 365) believes that there is little to be gained by replacing it with an unknown name. Simmons (2005: 365) therefore retains Hipposideridae for this group pending action by the International Commission on Zoological Nomenclature.

Due to the recent split off of *Cloetis, Paratriaenops, Rhinonicteris* and *Triaenops* into a separate family, the above naming issue has resolved itself.

McKenna and Bell (1997) proposed a tribal classification for hipposiderids (which they treated as a subfamily), but many of the groups they defined have subsequently been shown to be paraphyletic (Bogdanowicz and Owen, 1998, Hand and Kirsch, 1998); accordingly, Simmons (2005: 365) did not recognize subfamilies or tribes within Hipposideridae.

Known genera of Hipposideridae: *Anthops* Thomas, 1888, ***Asellia*** Gray, 1838, *Aselliscus* Tate, 1941, *Coelops* Blyth, 1848, ***Doryrhina*** Peters, 1871, ***Hipposideros*** Gray, 1831, ***Macronycteris*** Gray, 1866, †*Miophyllorhina* Hand, 1997, †*Palaeophyllophora* Revilliod, 1917, *Paracoelops* Dorst, 1947, †*Riversleigha* Hand, 1998, †*Vaylatsia* Sigé, 1990.

COMMON NAMES:
Czech: pavrápencovití, listonosovití. Dutch: Bladneusvleermuizen. English: Old-World leaf-nosed bat, Trident bats, Leaf-nosed bats. French: Hipposidéridés. German: Rundblattnasen. Italian: Ipposidèridi. Norwegian: Rundbladneser, falske hesteskoneser. Russian: Листоносы, Подковогубы, Ложные подковоносы. Vietnamese: Họ dơi mũi.

SIMILAR SPECIES:
Key characters for the genera:
Anthops - Head and body is about 50 mm, the tail is very short (less than half as long as the femur), and the forearm length is about 48 - 51 mm. The horseshoe-shape part of the nose leaf has two lateral leaflets, the inner one being quite small and the outer one large. Traces of a small frontal sac are present (Nowak, 1994: 115).
Asellia - Head and body length is about 46 - 62 mm, tail length is 18 - 27 mm (tail protruding up to 7 mm beyond interfemoral membrane), and forearm length is 45 - 52 mm. Posterior component of noseleaf with three short, triangular projections. Only one upper premolar on each side, M^3 greatly reduced (two ridges) (Nowak, 1994: 114, Happold, 2013al: 357).
Aselliscus - Head and body length is about 38 - 45 mm, tail length is 20 - 40 mm (tail extends beyond the membrane, as in *Asellia*), and forearm length is 35 - 45 mm. The upper margin of the transverse noseleaf is divided into three points, and two lateral leaflets margin the horseshoe (Nowak, 1994: 116).
Coelops - Head and body length is 28 - 50 mm, the tail is extremely short or absent, and forearm length is 33 - 47 mm. Lateral leaflets are lacking on the noseleaf, or they are obscured by dense, stiff hairs (Nowak, 1994: 119).
Hipposideros - Head and body is about 35 - 100 mm, tail length is 18 - 70 mm, and forearm length is about 33 - 105 mm. Posterior component of noseleaf roughly elliptical in outline (although the outline of upper margin varies from almost flat to low-arched or even subtriangular), without three projections (Nowak, 1994: 111, Happold, 2013al: 357).
Paracoelops - Head and body length, 45 mm; tail absent, forearm length is about 42 mm. The nose leaf is horseshoe-shaped and surmounted by a round leaf with radial striations (Nowak, 1994: 119).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The Hipposideridae have been found from the

Miocene of Songhor (Butler, 1969) and from the Mio-Pliocene of Morocco (Lavocat, 1961). The family goes back to the middle Eocene in Europe (Butler, 1978), where the genus *Palaeophyllophora* is considered to be the oldest representative (Ravel *et al.*, 2016: 412). Early Oligocene to recent in Arabia, early Miocene to recent in Africa, Pleistocene to recent in Asia, late Oligocene to recent in Australia (Hand and Kirsch, 1998). Because they are predominantly cave-dwelling bats, their remains are frequently preserved in Cenozoic limestone sediments (Happold, 2013al: 357). The earliest known *Hipposideros* is from the early Miocene, and the subgenus *Syndesmotis* (into which *H. megalotis* is sometimes placed) appears to have separated from *Hipposideros* in the middle Miocene (Happold, 2013al: 357). The fossils of Hipposideridae from the late Eocene and early Oligocene of France were already distinct from the Rhinolophidae that occurred in the same deposits (Lekagul and McNeely, 1977).

Based on phylogenetic analyses, Bogdanowicz and Owen (1998) suggest that the Hipposideridae probably originated somewhere in the Oriental region. In contrast, based on evidence from fossils, Hand and Kirsch (1998) suggest that the family originated in Australia.

Shi and Rabosky (2015: 1537) calculated the family-level stem and crown ages to be respectively 49.9 and 49.3 Mya.

BIOGEOGRAPHY:
The Hipposideridae diverged from the Rhinolophidae from a common ancestor in Africa approximately 42 Mya during the Eocene (Foley *et al.*, 2014: 320). While the family Rhinonycteridae separated from the other Hipposideridae approximately 39 Mya, also in Africa (Foley *et al.*, 2014: 320). The monophyletic *Hipposideros* clade diverged from other Hipposideridae approximately 31 Mya during the Oligocene in Africa (Foley *et al.*, 2014: 320). During the Miocene at about 15 Mya, *Hipposideros* diversified into distinct clades based on geography: these being the African, India and South East Asia clades (Foley *et al.*, 2014: 320).

DENTAL FORMULA:
$^{1123}/_{2123}$ = 30.
Except in *Asellia* and *Hipposideros megalotis*, which have a dental formula of $^{1113}/_{2123}$ = 28.

DETAILED MORPHOLOGY:
In their comparative study on bat brains, Bhatnagar *et al.* (2016) found that Hipposiderids stand apart from all other examined bats due to their relatively large adenohypophysis

HABITS:
Hipposiderids are often fly-catchers and gleaners but they also forage by slow-hawking, some to a greater extent than others (Happold, 2013al: 358). Unlike most rhinolophids, many hipposiderids forage in small groups (Happold, 2013al: 358). Hipposiderids are unable to scuttle over the ground, and apparently cannot climb (Happold, 2013al: 358).

DIET:
Hipposiderids are insectivorous: the taxa and size of prey varies according to the size of the bat and the robustness of its teeth (Happold, 2013al: 358).

PARASITES:
Fain (1994: 1280) reports that the Hipposideridae are hosts for four genera of Myobiidae (Acari): *Hipposiderobia* with 12 species (parasiting on five genera of bats), *Metabinuncus* also with 12 species (occurring only on the genus *Hipposideros*), *Binunculoides* with one species on *Hipposideros*, and *Triaenomyobia*, with one species on *Triaenops*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya, Namibia.

Genus ***Asellia*** Gray, 1838

*1838. *Asellia* Gray, Mag. Zool. Bot., Edinburgh, 2 (12): 493. Publication date: 1 February 1838. - Comments: Type species: *Rhinolophus tridens* E. Geoffroy Saint-Hilaire, 1813. - Etymology: From the Greek "*α*-" "alpha privative" and the Greek feminine substantive "*σέλλα*" (sélla), meaning "saddle", referring to the absence of a sella in the noseleaf (see Lanza *et al.*, 2015: 121). Palmer (1904: 124), however, mentions that *Asellia* is an adjective used as a noun, from the Latin "*asellus*", a little ass - probably in allusion to the long, pointed ears. (Current Combination)
1957. *Aseltia:* Harrison, Mammalia, 21 (1): 8. Publication date: March 1957. (Lapsus)
2008. *Ascidia:* Selim, Nahla, and Shelfeh, Tishreen Univ. J. Res. Sci. Stud. - Biol. Sci. Ser., 30 (1): 253. (Lapsus)

TAXONOMY:
Allen (1939a: 78) mentioned that *Asellia* was originally described as subgenus of *Hipposideros*.

Known species of the genus *Asellia*: †***vetus*** Lavocat, 1961; ***arabica*** Benda, Vallo and Reiter, 2011; ***italosomalica*** de Beaux, 1931; ***patrizii*** de Beaux, 1931; ***tridens*** (E. Geoffroy St.-Hilaire, 1813).

COMMON NAMES:
Czech: trojzubcoví pavrápenci. English: Lesser Trident Bats, Trident Bats, Trident Leaf-nosed Bats. French: Tridents, Asellia, Chauve-souris à 3 endentures. German: Dreizackblattnasen. Italian: Asèllie.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Egypt, Sudan.

Asellia italosomalica de Beaux, 1931

*1931. *Asellia tridens italo-somalica* de Beaux, Ann. Mus. civ. Stor. nat. Genova, 55: 190. Publication date: 6 June 1931. Type locality: Somalia: Oddur. Holotype: MSNG 30942: ♀, skin and skull. Collected by: N. Mosconi Brozzi; collection date: 1929. see Benda *et al.* (2011f: 266). - Etymology: From the feminine scientific Latin adjective *italosomalica*, meaning "inhabiting Italian Somalia, referring to country where the type specimens were collected (see Lanza *et al.*, 2015: 123)..
? *Asellia italosomalica:* (Current Combination)
? *Asellia tridens italosomalica:* (Alternate Spelling)

TAXONOMY:
Based on morphometric analyses and a K2P genetic distance of 12.3 to 13.7 % with other *Asellia* populations, Benda *et al.* (2011f: 262) distinguish *italosomalica* specimens from Socotra and Somalia as a different, well-defined taxon, which is best considered to be a separate species.

COMMON NAMES:
English: De Beaux's Trident Bat. German: Somalische Dreizackblattnase. Italian: Asèllia italosòmala.

GENERAL DISTRIBUTION:
Socotra, Somalia

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Somalia.

Asellia patrizii de Beaux, 1931

*1931. *Asellia patrizii* de Beaux, Ann. Mus. civ. Stor. nat. Genova, 55: 186. Publication date: 6 June 1931. Type locality: Eritrea: Dancalia: Gaare [13 13 N 42 07 E]. Holotype: MSNG 13313: ♂, skull and alcoholic. Collected by: Marquis Saverio Patrizi Montoro; collection date: December 1912. see Benda *et al.* (2011f: 267). Paratype: MSNG 13314: ♀, skull and alcoholic. Collected by: Marquis Saverio Patrizi Montoro; collection date: December 1929. See Benda *et al.* (2011f: 267), who mention this specimen along with the holotype, but not explicity as "paratype". They do mention three further paratypes from the series: MSNG 33203, 33204 [S+B], 31315a, 31315b, collected at Attab (Eritrea), in July 1893 by G. Pestalozza and October 1906 by P. Felter. - Etymology: In honour of the Marquis Saverio Patrizi Nero Montoro (1902 - 1978), eminent Italian entomologist, biospeleologist and explorer, collector of zoological material especially in central and eastern Africa, Sardinia and eastern Mediterranean countries (see Lanza *et al.*, 2015: 128). (Current Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: pavrápenec eritrejský. English: Patrizi's Lesser Trident Bat, Patrizi's Trident Leaf-nosed Bat. French: Trident de Patrizi, Asellia de Patrizi. German: Patrizis Dreizackblattnase. Italian: Asèllia di Patrìzi.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a degree of habitat modification, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008a; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008a; IUCN, 2009). 2004 - VU D2 ver 3.1 (2001) (Mickleburgh *et al.*, 2004ad; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
There is very little information, but roost disturbance is a possible threat. However, the species is associated with habitats that are not under significant threat, and has been found in buildings, and so can adapt to human presence (Mickleburgh *et al.*, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008a) suggest surveys are needed to determine the distribution of this species, both in northeastern Africa and in the Arabian Peninsula.
Has been recorded from Awash National Park (Hill and Morris, 1971).

GENERAL DISTRIBUTION:
This species has a restricted known range in northeastern Africa, from central Ethiopia north to Eritrea (Yalden *et al.*, 1996), and also from islands in the Red Sea including Farasan Island and Segid Island (=As-Saqid) of southwestern Saudi Arabia (Moeschler *et al.*, 1990; Harrison and Bates, 1991: 316; Horácek *et al.*, 2000). It probably occurs more widely in this poorly explored region (Mickleburgh *et al.*, 2008a).

Native: Eritrea (Yalden *et al.*, 1996); Ethiopia (Yalden *et al.*, 1996); Saudi Arabia (Moeschler *et al.*, 1990; Harrison and Bates, 1991: 316; Horácek *et al.*, 2000).

HABITAT:
Dry open terrain such as the semi-desert grassland of the Awash National Park (Hill and Morris, 1971).

ROOST:
It roosts in caves and buildings and in dry open terrain such as the semi-desert grassland of the Awash National Park (Hill and Morris, 1971).

POPULATION:
Structure and Density - Appears to be rare with small roosts. There is a possibility that it will be found in larger roosts, but to date none have been found (Mickleburgh *et al.*, 2008a; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008a; IUCN, 2009). 2004 - Decreasing (Mickleburgh *et al.*, 2004ad; IIUCN, 2004).

ACTIVITY AND BEHAVIOUR:
It flies close to the ground catching insects (Mickleburgh *et al.*, 2008a; IUCN, 2009).

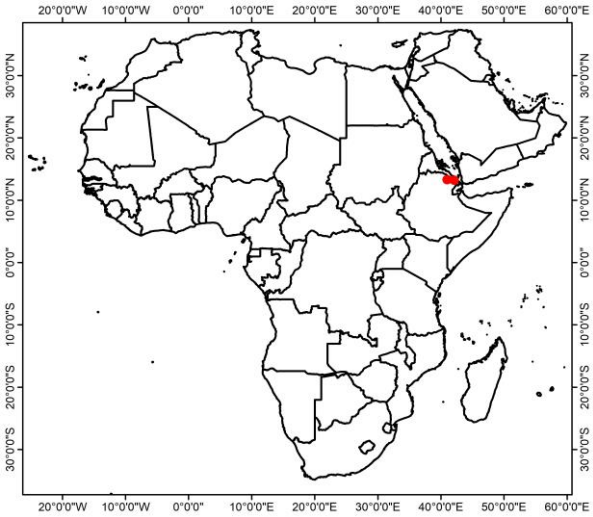

Figure 50. Distribution of *Asellia patrizii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Eritrea, Ethiopia.

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)

*1813. *Rhinolophus tridens* E. Geoffroy Saint-Hilaire, Ann. Mus. Hist. nat. Paris, 20: 260, pl. 5. Publication date: 1813. Type locality: Egypt: Qena province: Luxor, near [ca. 25 41 N 32 39 E] [Goto Description]. Syntype: MNHN A.235: ad ♂, alcoholic (skull not removed). Number 187 in Rode (1941: 240), who mentions this specimen as holotype. Furthermore, he remarks that the skull is not removed, so the skull in the atlas, pl. IV, fig. 2, 2', 2" does not correspond to any of the skins in the collection. See also Qumsiyeh (1985: 41). Benda *et al.* (2011f: 267) mention MNHN 1986-1068 as lectotype and indicate this is collected by E. Geoffroy Saint-Hilaire. Syntype: MNHN A.237: ad ♀. - Comments: Grubb *et al.* (1998: 82) mention p. 265. Kock (1969a: 122), Corbet and Hill (1992: 116) and Horácek *et al.* (2000: 98) only mention "Egypt" as type locality. Kock (1969a: 122) also indicates that E. Geoffroy Saint-Hilaire (1818: 127) restricted the type locality to "Grab der Könige (=Theben, Luxor)".

1881. *Phyllorhina tridens murraiana* Anderson, Catalogue of the Mammals in the Indian Museum, vol. I: 113. Type locality: Pakistan: Sind: Karachi [24 51 N 67 02 E].

1918. *Asellia tridens diluta* K. Andersen, Ann. Mag. nat. Hist., ser. 9, 2 (10): 375. Publication date: 1 October 1918. Type locality: Algeria: Algerian Sahara: El Golea [30 35 N 02 53 E]

[Goto Description]. Holotype: BMNH 1912.11.14.2: ♀. Collected by: Dr. Ernst Johnann Otto Hartert; collection date: 16 May 1912; original number: 42. Presented/Donated by: Nathanial Charles Rothschild. See Andersen (1918: 379).

1937. *Asellia tridens pallida* Laurent, Mammalia, 1: 111, fig. 8. Type locality: Morocco: Anti Atlas: Oued Tata [=Tata] [29 44 N 07 56 W] [Goto Description].

2008. *Ascidia tridens:* Selim, Nahla, and Shelfeh, Tishreen Univ. J. Res. Sci. Stud. - Biol. Sci. Ser., 30 (1): 253. (Name Combination, Lapsus)

? *Asellia tridens murraiana:* (Name Combination)

? *Asellia tridens tridens:* (Name Combination)

? *Asellia tridens:* (Current Combination)

TAXONOMY:
Simmons (2005: 366) recognises three subspecies *A. t. diluta* Andersen, 1918 [see discussion below]; *A. t. italosomalica* De Beaux, 1931; and *A. t. murraiana* Anderson, 1881.
Simmons (2005: 366) assigned *A. tridens diluta* to J. Anderson (1881), which would make this form Asian. However, no description is found in J. Anderson's publication, but a description is found in Andersen (1918: 379) as is confirmed by Owen and Qumsiyeh (1987 334), who mention "Andersen, 1918" as author.

Owen and Qumsiyeh (1987: 335) did not examine any specimens from *A. t. italosomalica* De Beaux, 1931, but Benda *et al.* (2011f: 261) consider *italosomalica* to be a separate species, a view that is followed here.

COMMON NAMES:
Czech: pavrápenec trojzubcový, wrápenec trojzeykowý, listonos trojzubcový. Dutch: Drietandbladneusvleermuis. English: Geoffroy's Lesser Trident Bat, Trident Leaf-nosed Bat, Trident bat, Trident Rhinolophe. French: Trident du désert, Asellia à trois endentures, Chauve-souris trident, Trident, Rhinolophe trident. German: Dreizackblattnase, Geoffroys Dreizackblattnase, Dreyzahnige Kammnase.

ETYMOLOGY OF COMMON NAME:
So named because of the three-pronged process at the top of the nose-leaves and noticeably short ears (Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Kock *et al.*, 2008b; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Kock *et al.*, 2008b; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004l; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
The main threat is the widespread use of pesticides against locusts, while human disturbance in caves and old buildings is affecting some populations (Kock *et al.*, 2008b; IUCN, 2009).

Besides water stress and their aerial hawking feeding style, roosting in caves and trees is an important risk factor linked with climatic change (Sherwin *et al.*, 2012: 174).

CONSERVATION ACTIONS:
Kock *et al.* (2008b) [in IUCN (2009)] suggest underground roost management is needed in some places and a study on the impacts of pesticides is required, especially ways in which the impact might be minimised.

It presumably occurs in several protected areas (Kock *et al.*, 2008b; IUCN, 2009).

GENERAL DISTRIBUTION:
Asellia tridens ranges widely in the Sahara, through the Arabian Peninsula and the Middle East, to Afghanistan, Pakistan, and India. It is absent from the northern parts of Morocco and Algeria, and Tunisia, and occurs south to Ethiopia and Somalia.

Native: Afghanistan; Algeria (Kowalski and Rzebik-Kowalska, 1991: 64); Burkina Faso (Kangoyé *et al.*, 2015a: 607); Chad; Djibouti; Egypt; Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 147); Gambia (Kock *et al.*, 2002: 86); India (Senacha and Dookia, 2013: 21); Iran, Islamic Republic of; Israel; Libyan Arab Jamahiriya; Mali; Mauritania (Brito *et al.*, 2010: 453, Allegrini *et al.*, 2011: 2); Morocco (Aulagnier and Thevenot, 1986: 38; Benda *et al.*, 2010a: 157; El Ibrahimi and Rguibi Idrissi, 2015: 360); Niger; Oman; Pakistan; Saudi Arabia; Senegal; Sudan; Syrian Arab Republic; Tunisia (Horácek *et al.*, 2000: 99); Western Sahara.

Presence uncertain: Iraq; Kuwait; Lebanon; Qatar; United Arab Emirates.

A record from Zanzibar (Peters, 1871) has never been confirmed (though often repeated) and may be a MNHN mislabelled specimen. Records from Socotra and Somalia are now considered to belong to *A. italosomalica* (see Benda *et al.*, 2011f).

DETAILED MORPHOLOGY:
Brain:
Adult hippocampal neurogenesis was studied by Chawana R. *et al.* (2016: 1551).

ECHOLOCATION:
Search-phase call-shape: CF/FM. CF component is sometimes of very low amplitude, but is always present (Pye, 1972). For 11 Egyptian bats, the CF-frequency varied from 115 - 120 kHz; each individual emitted a narrow range of frequencies, and different individuals emitted different ranges of frequencies (ibid.). For 18 Tunisian bats, resting, CF-frequency: 111 - 124 kHz (the CF-frequency varied from bat to bat, individuals kept the frequency constant); band-width of terminal FM component: 19-21 kHz; call-duration 7 - 10 ms; minimum intercall interval 27 - 215 ms (depending on degree of alertness) (Gustafson and Schnitzler, 1979). Flying bats lowered their emission frequency to compensate for Doppler shifts caused by the flight movement; call-duration: 9 - 11 ms; minimum intercall interval: 26 ms. For bats in a roost in Gambia containing thousands of individuals, CF-frequency: 108 - 122 kHz (frequency found to be negatively correlated with FA length within sexes); lowest frequency of the terminal FM sweep: 97 kHz: call-duration: 7.5 - 9 ms, inter-call interval: 10 - 20 ms (Jones *et al.*, 1993). In the UAE, Davis (2007: 5) reports a CF-frequency with an FM-ending (117 - 124 kHz).

Benda *et al.* (2012a: 182) provide two sets of data for Iranian *A. tridens*: **1**: F_{start}: 118.4 ± 0.6 (117.5 - 119.0) kHz, F_{end}: 117.1 ± 0.6 (116.3 - 118.0) kHz, F_{peak}: 117.9 ± 0.6 (117.0 - 118.5) kHz, duration: 10.3 ± 2.1 (6.8 - 13.1) msec, and interpulse interval: 32.3 ± 15.7 (13.4 - 55.9) msec; **2** (with bat in resting position): F_{start}: 122.3 ± 0.4 (121.7 - 122.8) kHz, F_{end}: 119.7 ± 4.1 (112.5 - 123.0) kHz, F_{peak}: 122.0 ± 0.4 (121.3 - 122.6) kHz, duration: 9.0 ± 0.4 (8.4 - 9.3) msec, and interpulse interval: 28.0 ± 7.7 (19.3 - 38.4) msec.

From Israel, the following values were reported by Hackett *et al.* (2016: 223) for 56 calls: Pulse duration: 7.97 ± 0.29 msec, F_{start}: 117.74 ± 12.58 (114.2 - 121) kHz, F_{end}: 106.96 ± 10.44 (96.6 - 101.91) kHz, F_{peak}: 116.60 ± 10.69 (107.4 - 120.1) kHz.

Jones and Siemers (2010: 449 - 450) indicate that females emit pulses with a higher frequency than males, and also that juveniles emit lower frequencies than adults (see also Jones *et al.*, 1993; Kunz and Hood, 2000: 420).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Baker *et al.* (1974) reported 2*n* = 50, FN = 62, a submetacentric X chromosome and an acrocentric Y chromosome. Baker et al. (1975) reported BA = 14.
Protein / allozyme - Unknown.

Bray and Benda (2016: 283) studied concatenated fragments of Cytochrome-*b*, NADH Dehydrogenase 2, and Cytochrome Oxidase 1 genes of primarily Saudi-Arabian bats, but also covered African representatives.

HABITAT:
Arid and semi-desert habitats.

HABITS:
This is a gregarious and colonial species (Kock *et al.*, 2008b).

ROOST:
It roosts in temples, caves, mines, open-wells, underground irrigation tunnels and old tombs and buildings and in the desert and semi desert vegetation zones it occurs in crevices or in cliffs (Kock *et al.*, 2008b). From Israel, Amichai *et al.* (2012: 96 - 97) report they use abandoned man-made structures (such as military bunkers), where the sexes are initially roosting separately. Later on (October), when their young become independent, this sexual segregation weakens.

MIGRATION:
In the Dakhla Oasis in Egypt, Benda *et al.* (2014b: 55) found *A. tridens* to be the most common bat during the summer months until the beginning of October, with at least 5,000 individuals divided over several roosts. However, from November to the beginning of April, these roosts were empty (except for a few single animals). In that period, only small colonies were found (70 - 120 ind.), and no animals were observed during the night. Benda *et al.* (2014b) were unable to determine whether the bats disappeared to the Nile Valley (long-distance migration) or whether they moved over short distances to other roosts in the neighbourhood, although there is some evidence that the latter is the case.

DIET:
Amichai *et al.* (2012: 101) report its diet in Israel to consist primarily of Coleoptera and Heteroptera, whereas Lepidoptera, Hymenoptera, Diptera were important additions in different parts of the country.

In Iran, Benda *et al.* (2012a: 265) report that Coleoptera - mostly Scarabaeidae, but also Cerambycidae and Curculionidae were dominatingly present, but another faecal sample was dominated by Blattodea. The most frequent representatives of Heteroptera in the diet samples collected on both occasions were bugs of the family Tingidae.

In Libya, Benda *et al.* (2014c: 37) examined the digestive tract of one bat and found it contain 80 % (by volume) Coleoptera (Scarabeidae) and 20 % of Hymenoptera (Formicoidea).

POPULATION:
Structure - Unknown.
Density - It is a very common species, found in colonies of up to several hundred in North Africa, and in its Asian distribution it has been found in groups up to 5,000 animals (Kock *et al.*, 2008b; IUCN, 2009).
Trend - 2008 - Stable (Kock *et al.*, 2008b; IUCN, 2009). 2004 - Unknown (Mickleburgh *et al.*, 2004l; IUCN, 2004). *A. tridens* populations within the Asia Minor and Levant region are predicted to have a stable population trend, under climate change scenarios (Bilgin *et al.*, 2012: 433).

ACTIVITY AND BEHAVIOUR:
Forages over desert and semi-desert vegetation zones, mainly in oases (Kock *et al.*, 2008b). Forages by slow hawking, has been observed foraging around palm trees and buildings, and over water (Kock *et al.*, 2008b).

REPRODUCTION AND ONTOGENY:
Amichai *et al.* (2012: 96) report that almost all females arrive in their summer roosts in Israel at an advanced stage of pregnancy, and that births take place between the end of June and mid July. There is one young, which is born hairless, with closed eyes and weighting up to 30 % (2.5 - 3 g) of its mother's weight. In the United Arab Emirates, Davis (2007: 5) found females to be pregnant in April-May, and giving birth in June after a gestation period of about 9 to 10 weeks. The lactation period lasts for 40 days.

PARASITES:
ACARI:
Trombiculidae: *Neoschoengastia elegans* (Vercammen-Grandjean, Rohde and Mesghali, 1970) from Iran. *Myotrombicula aselliae* Vercammen-Grandjean, 1963, *Riedlinia platypygia* Vercammen-Grandjean, 1963, and *R. afghanensis* Vercammen-Grandjean, 1963, all three from Afghanistan (Benda *et al.*, 2012a: 266-267).
Myobiidae: *Ugandobia euthrix* Fain, 1972 from Saudi Arabia (Fain 1972 [in Benda *et al.*, 2012a: 267]) and *Hipposiderobia heteronycha* (Berlese et Trouessart, 1889) from Saudi Arabia and various parts of Africa (Radford 1949, Fain 1972, 1978 [in Benda *et al.*, 2012a: 267]).
Argasidae: *Argas boueti* Roubaud et Colas-Belcour, 1933 from various countries in Africa (Roubaud & Colas-Belcour 1933, Hoogstraal 1955 [in Benda *et al.*, 2012a: 267]).

DIPTERA:
Streblidae: *Raymondia huberi* Frauenfeld, 1856 from Tanzania (Haeselbarth *et al.*, 1966: 102), and Iran (Benda *et al.*, 2012a: 266) (see also Shapiro *et al.*, 2016: 254). *Raymondia setosa* Jobling, 1930 from Israel (Haeselbarth *et al.*, 1966: 104).
Nycteriibidae: *Nycteribia schmidlii* Schiner, 1853 from the Levant (Benda *et al.*, 2012a: 266). *Nycteribia (Listropoda) schmidlii schmidlii* Schiner, 1853 and *Penicillidia (Penicillidia) dufourii* Westwood, 1835 were reported by Bendjeddou *et al.* (2017: 15) from Algeria.
Hippoboscidae: *Penicillidia dufourii* Westwood, 1834 from the Levant (Benda *et al.*, 2012a: 266). *Brachytarsina flavipennis* Macquart, 1851 from the Levant (Benda *et al.*, 2012a: 266).

SIPHONAPTERA:
Ischnopsyllidae: *Chiropteropsylla brockmani* Rothschild, 1915 from Iran and Iraq (Benda *et al.*, 2012a: 266). *Rhinolophopsylla unipectinata* (Taschenberg, 1880) from Iraq (Benda *et al.*, 2012a: 266).

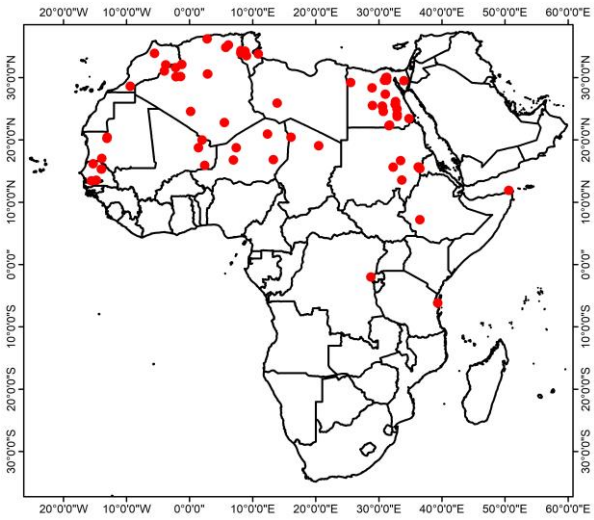

Figure 51. Distribution of *Asellia tridens*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Burkina Faso, Chad, Congo (Democratic Republic of the), Egypt, Ethiopia, Libya, Mali, Mauritania, Morocco, Niger, Saudi Arabia, Senegal, Somalia, Sudan, Tanzania, The Gambia, Tunisia.

Genus ***Doryrhina*** Peters, 1871

*1871. *Doryrhina* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 314. Publication date: 1871 [Goto Description]. - Comments: Grubb *et al.* (1998: 79) mention p. 324. Type species: *Phyllorrhina cyclops* Temminck, 1853. - Etymology: From the Greek "*δόρυ*", meaning spear and "*ρινός*", meaning nose, referring to the club-shaped process which is directed forward from the base of the sella, or to the slender and somewhat longer vertical process which projects upward from the margin of the transverse erect nose leaf (see Palmer, 1904: 244).

TAXONOMY:
Generally considered a synonym of the genus *Hipposideros*, but based on Cyt-*b* analyses, Foley *et al.* (2017: 12) considered *cyclops* to be that different from the other members of this genus to be placed in a separate genus.

MOLECULAR BIOLOGY:
Karyology - The genus *Hipposideros* s.l. shows an extreme conservatism concerning the 2*n* complement. Almost all species have 32 chromosomes. The only exceptions are the species transferred by Foley *et al.* (2017) to the genus *Macronycteris*, which have 52, and *cyclops*, which has 2*n* = 36.

Doryrhina cyclops (Temminck, 1853)

*1853. *Phyllorrhina cyclops* Temminck, Esquisses zoologiques sur la Côte de Guiné. 1e partie, les Mammifères, 75. Publication date: 1853. Type locality: Ghana: Boutry River [=Butre river] [ca. 04 49 N 01 55 W] [Goto Description]. - Comments: Type locality originally: "sur la rivière Boutry, côte de Guiné". - Etymology: Refers to the one-eyed giants of Greek mythology and alludes to the orifice in the center of the forehead of these bats (see Rosevear, 1965 in Decher and Fahr, 2005: 4).

1897. *Rhinolophus micaceus* de Winton, Ann. Mag. nat. Hist., ser. 6, 20 (120): 524. Publication date: 1 December 1897. Type locality: Gabon: 75 mi (112.5 km) from Gaboon: Como River [Goto Description]. Holotype: BMNH 1897.12.1.7: ♀. Collected by: George Latimer Bates Esq. Collection date: 6 July 1897; original number: GLB 230. Note: Smoked out of hollow tree.

1899. *Hipposideros cyclops:* de Winton, Ann. Mag. nat. Hist., ser. 7, 4 (23): 354. Publication date: 1 November 1899. (Name Combination)

1917. *Hipposideros langi* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 434, text-fig. 4 - 6. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Avakubi [01 18 N 27 32 E] [Goto Description]. Holotype: AMNH 49098: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 24 January 1914; original number: 2481.

1922. *H[ipposideros]. cyclops micaceus:* J.A. Allen, Bull. Am. Mus. Nat. Hist., 47: 2, footnote. (Name Combination)

1922. *Hipposideros cyclops langi:* J.A. Allen, Bull. Am. Mus. Nat. Hist., 47: 2, footnote. (Name Combination)

2017. *Doryrhina cyclops:* Foley, Goodman, Whelan, Puechmaille and Teeling, Acta Chiropt., 19 (1): 12. Publication date: June 2017. (Current Combination)

TAXONOMY:
Simmons (2005: 370) includes this taxon in the *Hipposideros cyclops* species group. See Decher and Fahr (2005, Mammalian Species, 763), but see also Foley *et al.* (2017: 12), who transferred it to the genus *Doryrhina*.

COMMON NAMES:
Czech: pavrápenec Kyklop. English: Cyclops Leaf-nosed Bat, Cyclops Roundleaf Bat, Cyclops Bat. Fang: angon. French: Phyllorine des Cyclopes, Phyllorine cyclope. German: Zyklopen-Rundblattnase.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bw; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*,

2008bw; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004cn; IUCN, 2004). 1994 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
Although not threatened throughout its range, the species may disappear from many areas that are threatened by deforestation, especially on the extreme limits of its distribution (Decher and Fahr, 2005).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bw) [in IUCN (2009)] report that the roosting habits of this bat requires very large hollow trees, so conservation of these must be a priority. It is found in some protected areas, for example Kwamgumi Forest Reserve in Tanzania, and the Udzungwa Mountains National Park of Tanzania.

GENERAL DISTRIBUTION:
Doryrhina cyclops has been recorded widely over much of West Africa and Central Africa, with a few scattered records from East Africa. It ranges from Senegal and The Gambia in the west, through most countries in West Africa, to Cameroon, Equatorial Guinea (Rio Muni and Bioko), Gabon, Congo (The Democratic Republic of the) Congo, Central African Republic and Rwanda, being recorded from East Africa in southern Sudan, Uganda and western Kenya, with an isolated population in southeastern Kenya and northeastern Tanzania in coastal forests and Eastern Arc Mountains (Decher and Fahr, 2005: 3). It has been collected at Tongwe Forest near Tanga and Kwamgumi Forest Reserve in Tanzania (K. Howell *pers. comm.* 2004). There is a dubious record from the border area of Chad and the Central African Republic. It occurs from sea-level up to at least 1,000 m.

Native: Benin; Burkina Faso (Kangoyé *et al.*, 2012: 6024; 2015a: 608); Cameroon (Hill, 1968; Eisentraut, 1973); Central African Republic (Lunde *et al.*, 2001); Congo (Bates *et al.*, 2013: 335); Congo (The Democratic Republic of the); Côte d'Ivoire; Equatorial Guinea (Bioko); Gabon; Gambia; Ghana (Decher and Fahr, 2007: 17); Guinea; Guinea-Bissau (Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 52); Kenya (Aggundey and Schlitter, 1984); Liberia; Nigeria (Happold, 1987); Rwanda; Senegal; Sierra Leone; Sudan; Tanzania (Decher and Fahr, 2005: 3; Stanley *et al.*, 2005b), United Republic of; Togo; Uganda.
Presence uncertain: Burundi; Chad.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
From western Uganda, Monadjem *et al.* (2011: 30) reported the following data for 6 specimens: Fa: 70.63 ± 1.942 mm, mass: 37.3 ± 3.27 g, wing loading: 11.5 ± 0.53 N/m^2, aspect ratio: 5.5 ± 0.46.

DETAILED MORPHOLOGY:
Baculum - Unknown
Brain - Amrein *et al.* (2007) reported from specimens collected in Bénin that proliferating cells, detected with Ki-67 and MCM2, in the subgranular layer of the dentate gyrus were found to be absent. They also reported moderate to ample proliferating cells (Ki-67 positive cells) and migrating young neurons (DCX positive cells) in the rostral migratory stream. No NeuroD was detected in the hippocampal granule cells (Amrein *et al.*, 2007).

SEXUAL DIMORPHISM:
Decher and Fahr (2005) [in Kangoyé *et al.* (2015a: 608)] indicate that a pronounced sexual dimorphism exists, with females being larger than males.

ECHOLOCATION:
Monadjem *et al.* (2013b: 351) report a F_{max} of 55.5 (55 - 56) kHz for two specimens from Mount Nimba.

From western Uganda, Monadjem *et al.* (2011: 32) report the following values for 6 calls: F_{min}: 51.24 ± 0.670 kHz, F_{max}: 51.54 ± 0.387 kHz, F_{char}: 51.37 ± 0.459 kHz, F_{knee}: 51.51 ± 0.395 kHz, duration: 14.5 ± 2.02 msec.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Koubínová *et al.* (2010b) report for one female from Senegal, 2*n*= 36, Fna= 62 (as "*Hipposideros cyclops*") , while the chromosomal complement comprised 15 metacentric or submetacentric, and three small acrocentric pairs.
Protein / allozyme - Unknown.

HABITAT:
Monadjem *et al.* (2016y: 365) recorded it from two forested sites in the Mount Nimba area, between 480 and 730 m.

ROOST:
Killick-Kendrick (1973: 641) reported on pygmy flying squirrels (*Idiurus macrotis* Miller, 1898) collected from hollow trees, which were associated with "*Hipposideros cyclops*".

POPULATION:
Structure and Density - It is a reasonably common species in some areas (Mickleburgh *et al.*, 2008bw; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008bw; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
One female, carrying a furred female infant, was captured in December 2005 at Uzungwa Scarp Forest Reserve, Tanzania (Trentin and Rovero, 2011: 50).

PARASITES:
HAEMOSPORIDA:
Schaer *et al.* (2013a: 17416) report the presence of the hemosporidian parasite *Plasmodium cyclopsi* Landau and Chabaud, 1978 in three out of four investigated bats. Up until now, *Macronycteris cyclops* is the only known host species for this parasite. Lutz *et al.* (2016: 9) examined three *M. cyclops* specimens from East Africa and found all of them infected with *Nycteria* sp.
Perkins and Schaer (2016: Suppl.) also mention *Dionisia bunoi* Landau, 1980 from bats from Gabon, *Nycteria* sp. from Uganda, *Plasmodium cyclopsi* from Gabon and Liberia

DIPTERA:
Streblidae: *Raymondia brachyphysa* Jobling, 1956 from Abidjan, Côte d'Ivoire (Haeselbarth *et al.*, 1966: 102; Shapiro *et al.*, 2016: 254). *Raymondia intermedia* Jobling, 1936 in Côte d'Ivoire (Haeselbarth *et al.*, 1966: 102).

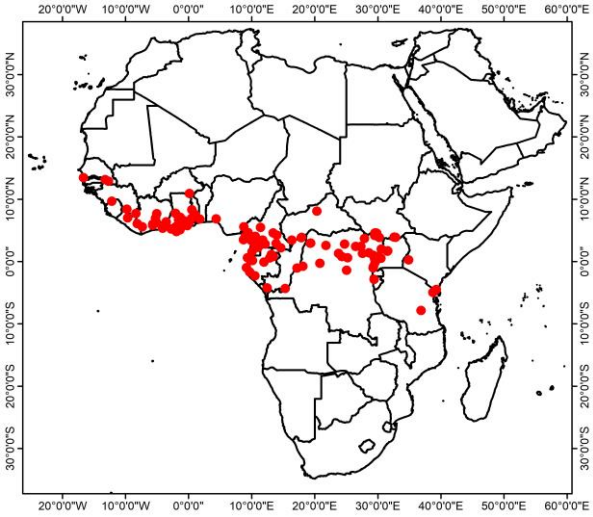

Figure 52. Distribution of *Doryrhina cyclops*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Kenya, Liberia, Nigeria, Senegal, Sierra Leone, South Sudan, Tanzania, The Gambia, Togo, Uganda.

Genus ***Hipposideros*** Gray, 1831

*1831. *Hipposideros* Gray, Zool. Misc., 1: 37. Publication date: 1831. - Comments: Type species: *Vespertilio speoris* Schneider, 1800. - Etymology: From the Greek "*ἵππος*", meaning horse and "*σίδηρος*", meaning iron (=horse-iron, horseshoe), an allusion to the shape of the noseleaf (see Palmer, 1904: 327). (Current Combination)

1834. *Hipposiderus* Gray, Proc. zool. Soc. Lond., 1834, II (xviii): 53. Publication date: 26 September 1834. - Comments: Unjustified emendation (see Meester *et al.*, 1986: 41; Pavlinov *et al.*, 1995: 84; Decher and Fahr, 2005: 1). Blanford (1888: 638) claims the name *Hipposiderus* was published by Gray (1831: 37), but this is in error. (Emendation)

1837. *Phyllorhina:* Bonaparte, Iconografia Fauna italiana, 1, fasc. 21: 3. Publication date: 1837. - Comments: Type species: *Rhinolophus diadema* E. Geoffroy Saint Hillaire, 1813. Preoccupied by *Phyllorhina* Leach, 1816 (see Pavlinov *et al.*, 1995: 84; although they do not explicitly mention its preoccupation), although also see Fenton and Rautenbach (1998: 535), who refers to Bonaparte (1837) to refute this. Fenton and Rautenbach (1998: 535) and Allen (1939a: 79) indicated that it was described as a subgenus of *Rhinolophus*. - Etymology: From the Greek "*φύλλον*", meaning leaf and "*ρίς*" or "*ρινος*", meaning nose, referring to the nose-leaf (see Palmer, 1904: 535).

1866. *Chrysonycteris* Gray, Proc. zool. Soc. Lond., 1866, I (vi): 82. Publication date: May 1866. - Comments: Type species: *Hipposideros fulvus* Gray, 1838. - Etymology: From the Greek "*χρυδός*", meaning gold and "*νυκτερις*", meaning bat, referring to the briljant golden yellow fur (see Palmer, 1904: 189).

1866. *Gloionycteris* Gray, Proc. zool. Soc. Lond., 1866, I (vi): 82. Publication date: May 1866. - Comments: Type species: *Rhinolophus armiger* Hodgson, 1835. - Etymology: From the Greek "*γλοιός*", meaning gum and "*νυκτερις*", meaning bat, referring to the large glandular elevations on the sides of the forehead (see Palmer, 1904: 297).

1866. *Rhinophylla* Gray, Proc. zool. Soc. Lond., 1866, I (vi): 82. Publication date: May 1866. - Comments: Type species: *Phyllorrhina labuanensis* Tomes, 1859. Preoccupied by *Rhinophylla* Peters, 1865 (see Pavlinov *et al.*, 1995: 84).

1866. *Speorifera* Gray, Proc. zool. Soc. Lond., 1866, I (vi): 82. Publication date: May 1866. - Comments: Type species: *Rhinolophus vulgaris* Horsfield, 1823 (=*Rhinolophus larvatus*

Horsfield).

1871. *Cyclorhina* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 326. Publication date: 1871. - Comments: Type species: *Phyllorrhina obscura* Peters, 1861 and *Phyllorrhina doriae* Peters, 1871. Meester *et al.* (1986: 42) retain only *Phyllorhina obscura* Peters as type species, by subsequent designation by Tate (1941a: 354). - Etymology: From the Greek "*κύκλος*", meaning circle, and "*ρις*" or "*ρινός*", meaning nose (see Palmer, 1904: 208).

1871. *Ptychorhina* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 325. Publication date: 1871. - Comments: Type species: *Rhinolophus caffer* Sundevall, 1846.

1871. *Sideroderma* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 324. Publication date: 1871. - Comments: Type species: *Phyllorrhina fuliginosa* Temminck, 1853. - Etymology: From the Greek "*σίδηρος*", meaning iron and "*δέρμα*", meaning skin, referring to the dark brown or reddish colour of the fur (see Palmer, 1904: 630).

1871. *Sybdesmotus* Peters.

1871. *Syndesmotis* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 329. Publication date: 1871. - Comments: Type species: *Phyllorhina megalotis* Heuglin, 1862.

1871. *Thyreorhina* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 327. Publication date: 1871. - Comments: Type species: *Phyllorrhina coronata* Peters, 1871. - Etymology: From the Greek "*θυρεός*", meaning a large, oblong shield and "*ρις*" or "*ρινός*", meaning nose, referring to the upper noseleaf with thickened edge (see Palmer, 1904: 678).

1902. *Syndesmotus* Waterhouse. - Comments: Objective synonym of *Syndesmotis* Peters, 1871 (see Simmons, 2005). - Etymology: From the Greek "*σύνδεσμος*", meaning bond or fastening and "*ούς*" or "*ώτός*", meaning ear (see Palmer, 1904: 656).

2015. *Hypposideros:* Sylla, Pourrut, Diatta, Diop, Ndiaye and Gonzalez, Afr. J. Microbio. Res., 9 (22): 1460. Publication date: 3 June 2015. (Lapsus)

2016. *Hipposieros:* Simmons, Seiffert and Gunnell, Am. Mus. Novit., 3857: 42. Publication date: 9 May 2016. (Lapsus)

2017. *Hipposidereos:* Hammond, Tan and Johnson, Protein Sci., 26: 1727. Publication date: 5 June 2017. (Lapsus)

? *Hipposideros sp.*

TAXONOMY:

For review of the genus see Hill (1963a), on which the above synonymy and the treatment that follows are largely based, followed by Meester *et al.* (1986); Koopman (1993a: 170). Hill (1963a) recognizes seven species groups, five are recognized in Africa *speoris*, *bicolor*, *cyclops*, *commersoni*, and *megalotis* (Simmons, 2005: 367 - 379). However, see also Bogdanowicz and Owen (1998: 38), who indicate that recent species are not expressed accurately by current systematic arrangements based on the supraspecific groupings proposed by Hill (1963a), and that the genus *Hippoderos* might be a paraphyletic taxon. This is confirmed by Foley *et al.* (2014: 324), who indicate that *H. commersoni* and *H. vittatus* pose a problem here. Without these species, the monophyly of the remaining *Hipposideros* species is supported by all of their analyses. Foley *et al.* (2017: 2) furthermore indicate that the species groups, currently recognized in the genus, have yet to be thoroughly evaluated using molecular data.

One of the most controversial groups in the African *Hipposideros* representatives is the *caffer/ruber* complex. Vallo *et al.* (2009: 196) subdivided this in four main groups, of which three are again subdivided in two lineages, and which were tentatively called: A1, A2, B1, B2, C1, C2, and D. These lineages would represent at least five species. Monadjem *et al.* (2013b: 345) separated two further lineages in southern African *H. caffer*: A1a and A2b, and two in Senegalese *H.* cf. *ruber*: D1 and D2; and one in Ghanian (E2) and Liberian and Côte d'Ivorian *H.* cf. *ruber*: (E1).

Known species to the genus *Hipposideros*: †***besaoka*** Samonds 2007; †***kaumbului*** Wesselman 1984; ***abae*** J.A. Allen, 1917; *armiger* (Hodgson, 1835) – Northern India, Nepal, Burma, south and southeastern China, Vietnam, Laos, Cambodia, Thailand, Malay Peninsula, Taiwan (Simmons, 2005: 367); *ater* Templeton, 1848 – Sri Lanka; India to western Malaysia, through Philippines, Indonesia, and New Guinea to northern Queensland, north Northern Territory, and north Western Australia (Australia) (Simmons, 2005: 367); ***beatus*** (K. Andersen, 1906); *bicolor* (Temminck, 1834) – Laos, Vietnam, southern Thailand and Malaysia to Borneo and the Philippines, Java, Sumbawa, Seralu, Sumba, Savu, Roti and Timor Isls (Indonesia) and adjacent small islands (Simmons, 2005: 368); *breviceps* Tate, 1941 – Mentawai Isls (Indonesia) (Simmons, 2005: 368); ***caffer*** (Sundevall, 1846); *calcaratus* (Dobson, 1877) – central New Guinea (Simmons, 2005: 368); ***cameruensis*** Eisentraut, 1956;

cervinus (Gould, 1854) – western Malaysia, Sumatra, and Mindanao (Philippines) to the Mollucca Isls, Vanuatu, and northeastern Australia (Simmons, 2005: 369); *cineraceus* Blyth, 1853 – Pakistan and India to Burma, Thailand, Laos, Vietnam, Sumatra and Borneo, adjacent small islands including Kangean Isls (Indonesia) (Simmons, 2005: 369); *coronatus* (Peters, 1871) – northeastern Mindanao (Philippines) (Simmons, 2005: 369); *corynophyllus* Hill, 1985 – central New Guinea (Simmons, 2005: 370); *coxi* Shelford, 1901 – Sarawak (Borneo, Malaysian part) (Simmons, 2005: 370); *crumeniferus* (Lesueur and Petit, 1807) – Timor (Indonesia) (Simmons, 2005: 370); ***curtus*** G.M. Allen, 1921; *demissus* K. Andersen, 1909 – San Cristobal Isl (Solomon Isls) (Simmons, 2005: 370); *diadema* (E. Geoffroy, 1813) – Burma and Vietnam through Thailand, Laos, western Malaysia and Indonesia (including Sumatra, Borneo and Bali) to New Guinea, Bismarck Arch., Solomon Isls and northeastern Australia, Philippines, Nicobar Isls (Simmons, 2005: 370); *dinops* K. Andersen, 1905 – Solomon Isls; Bougainville Isl (Paua New Guinea) (Simmons, 2005: 370); *doriae* (Peters, 1871) – western Malaysia, Sarawak and Sabah (Malaysia), Borneo and Sumatra (Indonesia) (Simmons, 2005: 371); *durgadasi* Khajuria, 1970 – central India (Simmons, 2005: 371); *dyacorum* Thomas, 1902 – Borneo (including Sarawak, Malaysia), Peninsular Thailand (Simmons, 2005: 371); *edwardshilli* Flannery and Colgan, 1993 – northwestern Papua New Guinea (Simmons, 2005: 371); ***fuliginosus*** (Temminck, 1853); *fulvus* Gray, 1838 – Afganistan, India, Sri Lanka, Pakistan to Vietnam (Simmons, 2005: 371); *galeritus* Cantor, 1846 – Sri Lanka and India through southeast Asia (including Burma, Thailand and Peninsular Malaysia) to Java and Borneo, Sanana Isl (Sula Group, Moluccas Isls) (Simmons, 2005: 372); *grandis* G.M. Allen, 1936 – Burma, Thailand and Vietnam (Simmons, 2005: 372); *halophyllus* Hill and Yenbutra, 1984 – Thailand (Simmons, 2005: 372); *hypophyllus* Kock and Bhat, 1994 – southern India (Simmons, 2005: 372); *inexpectus* Laurie and Hill, 1954 – northern Sulawesi (Indonesia) (Simmons, 2005: 372); *inornatus* McKean, 1970 – Northern Territory (Australia) (Simmons, 2005: 373); ***jonesi*** Hayman, 1947; ***lamottei*** Brosset, 1985; *lankadiva* Kelaart, 1850 – Sri Lanka, southern and central India (Simmons, 2005: 373); *larvatus* (Horsefield, 1823) – northern and eastern India and Bangladesh; Yunnan, Kwangsi and Hainan (China), Burma, Thailand, Cambodia, Laos and Vietnam, western Malaysia to Sumatra, Java, Borneo and adjacent small islands including Kangean Isls (Indonesia) (Simmons, 2005: 373); *lekaguli* Thonglongya and Hill, 1974 – Thailand, peninsular Malaysia, Luzon (Philippines) (Simmons, 2005: 373); *lylei* Thomas, 1913 – Burma, Vietnam, Thailand, western Malaysia (Simmons, 2005: 374); *macrobullatus* Tate, 1941 – Sulawesi, Seram (Molucca Isls) and Kangean Isls (Indonesia) (Simmons, 2005: 374); *madurae* Kitchener and Maryanto, 1993 – Madura Isl, central Java (Indonesia) (Simmons, 2005: 374); *maggietaylorae* Smith and Hill, 1981 – New Guinea, Bismarck Arch (Simmons, 2005: 374); ***marisae*** Aellen, 1954; ***megalotis*** (Heuglin, 1861); *muscinus* (Thomas and Doria, 1886) – New Guinea (Simmons, 2005: 374); *nequam* K. Andersen, 1918 – Malaysia (Simmons, 2005: 375); *obscurus* (Peters, 1861) – Philippines except Palawan region (Simmons, 2005: 375); *orbiculus* Francis, Kock, and Habersetzer, 1999 – Sumatra (Indonesia), Peninsular Malaysia (Simmons, 2005: 375); *papua* (Thomas and Doria, 1886) – Biak and Numfoor Isls, western New Guinea and northern Molucca Isls (Simmons, 2005: 375); *pelingensis* Shamel, 1940 – Peleng Isl and Sulawesi (Indonesia) (Simmons, 2005: 375); *pomona* K. Andersen, 1918 – Bangladesh and India to Burma, Thailand, Laos, Cambodia, Vietnam, southern China and western Malaysia (Simmons, 2005: 375); *pratti* Thomas, 1891 – southern China, Burma, Thailand, Vietnam, western Malaysia (Simmons, 2005: 375); *pygmaeus* (Waterhouse, 1843) – Philippines except Palawan region (Simmons, 2005: 376); *ridleyi* Robinson and Kloss, 1911 – Penninsular Malaysia, Singapore, northern Borneo (Simmons, 2005: 376); *rotalis* Francis, Kock, and Habersetzer, 1999 – Laos (Simmons, 2005: 376); ***ruber*** (Noack, 1893); *scutinares* Robinson, Jenkins, Francis, and Fulford, 2003 – Loas, Vietnam (Simmons, 2005: 376); *semoni* Matschie, 1903 – northern Queensland (Australia), eastern New Guinea (Simmons, 2005: 376); *sorenseni* Kitchener and Maryanto, 1993 – central and western Java (Indonesia) (Simmons, 2005: 376); *speoris* (Schneider, 1800) – India, Sri Lanka (Simmons, 2005: 377); *stenotis* Thomas, 1913 – Northern Territory, north Western Australia and northern Queensland (Australia) (Simmons, 2005: 377); *sumbae* Oei, 1960 – Sumba, Roti, Sumbawa, Flores, Semau and Savu Isls (Indonesia) (Simmons, 2005: 377); ***tephrus*** (Cabrera, 1906); ***thomensis*** (Bocage, 1891); *turpis* Bangs, 1901 – Peninsular Thailand and Vietnam; Ryukyu Isls (Japan) (Simmons, 2005: 377); *wollastoni* Thomas, 1913 – western and central New Guinea (Simmons, 2005: 378).

COMMON NAMES:
Czech: praví pavrápenci. English: Leaf-nosed Bats, Leafnosed Bats, Roundleaf Bats. French: Phyllorhines. German: Altwelt-Rundblattnasen. Italian: Ipposidèri.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The approximate fossil date for crown *Hipposideros* is set by Shi and Rabosky (2015:

1532) to 40.4 Mya.

At Songhor, Butler (1969, 1978) found *Hipposideros* sp. from Early Miocene deposits.

BIOGEOGRAPHY:
During the Miocene at about 15 Mya, *Hipposideros* diversified into distinct clades based on geography: these being the African, Indian and South East Asian clades (Foley *et al.*, 2014: 320).

PARASITES:
HAEMATOSPORIDA
Schaer *et al.* (2017: 2) examined 23 *Hipposideros* specimens from South Sudan, of which 1 (4 %) was infected by *Hepatocystis*.

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - During Febuary 2008 in Ghana, Pfefferle *et al.* (2009) tested fecal samples of various *Hipposideros* species of the *caffer/ruber* complex, where the specific identification needs to be confirmed, and therefore is presented here - Pfefferle *et al.* (2009) as *Hipposideros caffer ruber* tested 40 fecal samples, 10 tested positive for coronavirus (CoV) RNA, while 4 were positive for group 1 CoV and 6 for group 2 CoV. Pfefferle *et al.* (2009) as *Hipposideros* cf. *ruber* tested 8 fecal samples which tested negative for coronavirus (CoV) RNA, from Booyem A cave. While from Booyem B cave [identified as *H* cf. *ruber* two morphotypes], in Ghana 11 fecal samples, 2 samples tested positive for coronavirus (CoV) RNA, while the one was positive for group 1 CoV and the other for group 2 CoV (Pfefferle *et al.*, 2009).

Drexler *et al.* (2013a: 50) and Hu *et al.* (2015: 5) indicate that *Hipposideros* betacoronaviruses detected in Africa (Ghana, Kenya, and Nigeria) and Asia are clearly distinct from SARS-related coronaviruses.

27.6 % (16 out of 68) of the Kenyan *Hipposideros* specimens tested by Tao *et al.* (2017: 3, Suppl.) were positive for CoV.

Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that one out of eight examined Kenyan *Hipposideros* sp. specimens tested positive for *Paramyxovirus* sequences. This was also the case for one out of 39 specimens from Cameroon, and one out of three Nigerian specimens.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Horton *et al.* (2014: Table S1) tested 16 Tanzanian *Hipposideros* sp. specimens, but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo (Democratic Republic of the), Gabon, Guinea, Kenya, Liberia, Madagascar, Namibia, Niger, Nigeria, South Sudan, Tanzania, Uganda, Zambia.

†***Hipposideros africanum*** Ravel, 2016

*2016. *Hipposideros (Pseudorhinolophus) africanum* Ravel, in: Ravel et al., Geodiversitas, 38 (3): 356, 372, figs 8 - 10. Publication date: 30 September 2016. Type locality: Tunisia: Kassérine province: Djebel Chambi National Park: Chambi [35 14 03 N 08 45 29 E, 630 m] [Goto Description]. - Etymology: The name refers to the African continent and underlines the geographic importance as the genus was herethereto only reported from Europe (see Ravel et al., 372).

GENERAL COMMENTS:
This fossil species is generally assigned to the subgenus *Pseudorhinolophus* Schlosser, 1887.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe:
Late lower Eocene to early middle Eocene.

†***Hipposideros amenhotepos*** Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, 2015

*2015. *Hipposideros (Pseudorhinolophus) amenhotepos* Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, Hist. Bio., 28 (1-2): 162, figs 4, 5, 6 (for 2016). Publication date: 1 October 2015. Type locality: Egypt: Eastern Desert: Khasm El-Raqaba [28.451 N 31.834 E] [Goto Description]. Holotype: CGM 83763. right M1. - Comments: The paper was published online on 1 October 2015, and in print on 17 February 2016. - Etymology: Named after Amenhotep IV (= Akhenaten), an Egyptian 18th Dynasty pharaoh, whose capital city of Amarna was located in the Eastern Desert not far from the type locality of this species (see Gunnell *et al.*, 2015b: 162).

†***Hipposideros besaoka*** Samonds, 2007

*2007. *Hipposideros besaoka* Samonds, Acta Chiropt., 9 (1): 49, fig 5A - C, 6A - D. Type locality: Madagascar: Anjohibe cave [Goto Description]. Holotype: UA 9478. Right maxialla: see Samonds (2007: 49). - Etymology: The word *besaoka* is derived from the Malagasy and means 'big chin' (see Samonds, 2007). - Phonetics: bay-SOH-ka. (Current Combination)

TAXONOMY:
Goodman *et al*. (2016: 435) examined some *besaoka* skulls and found these to have a more robust mandibula and lower teeth than both other Madagascan *Hipposideros* species (*commersoni* and *cryptovalorna*), but further DNA study is required to see whether it is genetically distinct from either of them.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Samonds (2007: 49 - 53) found samples in deposits (TW-10) dated at 10,000 yrs old or younger within the Anjohibe cave, Madagascar.

Timeframe:
Pleistocene.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

†***Hipposideros kaumbului*** Wesselman, 1984

*1984. *Hipposideros kaumbului* Wesselman, Contributions to vertebrate evolution, 7: 59. Type locality: Ethiopia: Locality 28, lower Member S, Shungura Formation. - Etymology: This taxon is named in honour of John Kaumbulu Kimau, a Wakamba tribesman from Kikoko, Kenya, who worked with H.B. Wesselman as his field assistant following the 1972 and 1973 field seasons and helped with the task of handpicking almost 20 tons of screenwashed residues (Wesselman, 1984: 59). (Current Combination)

TAXONOMY:
Wesselman (1984: 59) suggests that this taxon may be ancestral to *Hipposideros commersoni*.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Late Pliocene (2.08 Mya) (Wesselman, 1984: 59).

GENERAL DISTRIBUTION:
Ethiopia, Kenya.

†***Hipposideros vetus*** (Lavocat, 1961)

*1961. *Asellia vetus* Lavocat, Notes Mém. Serv. Mines Carte geol. Maroc, 155: ?. - Comments: Marandat (1994: 61) mentions that the holotype consists of a left maxillary fragment with P^4-M^3.
1982. *Hipposideros (Syndesmotis) vetus:* Legendre, J. Vert. Paleont., 2 (3): 379. Publication date: December 1982. (Name Combination)
2013. *Asellia/Hipposideros vetus:* Stoetzel, Palaeog., Palaeoclim., Palaeoecol., 392: 363. Publication date: 29 September 2013. (Name Combination)
? *Hipposideros vetus:* (Current Combination)

TAXONOMY:
Originally described in the genus *Asellia*, the generic assignment of this taxon was unclear. Some authors (e.g. Legendre, 1982: 372; Gunnell *et al*., 2011: 71; Hugueney *et al*., 2015) assign it to the genus *Hipposideros*, whereas others (e.g. Aulagnier, 2013a: 360) assign it to the genus *Asellia*. Stoetzel, 2013: 363) furthermore mentions it as *Asellia/Hipposideros vetus*.

Legendre (1982: 382) examined the teeth and dental characters and found that although the absence of a P^2 and the degree of reduction of M^2 as well als M^3 are similar to those of other fossil *Asellia*, there are characters that are incompatible with this genus: upper canines with a separate secondary cusp on the distal edge, mandible with a long and slender horizontal ramus; low coronoid process; long and outward deflected angular process. These characters are much more similar to those of *Hipposideros*. Legendre (1982: 383) assigned *vetus* to the subgenus *Syndesmotis*, together with *H. megalotis*.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Miocene - Pliocene.

Hipposideros abae J.A. Allen, 1917

*1917. *Hipposideros abæ* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 432. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Aba [03 53 N 30 17 E] [Goto Description]. Holotype: AMNH 49123: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 13 December 1911; original number: 1715. - Etymology: Referring to the locality where the type specimen was collected (Aba). (Current Combination)

? *Hipposideros abae:* (Current Spelling)

TAXONOMY:
Simmons (2005: 367) places it in the *speoris* species group.

COMMON NAMES:
Czech: pavrápenec abánský. English: Aba Roundleaf Bat, Aba Leaf-nosed Bat. French: Phyllorhine d'Aba. German: Aba-Rundblattnase.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a degree of habitat modification, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008at; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008at; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004bq; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There are no known major threats to this species. It appears to have taken advantage of forest clearance by moving into formerly forested land (Mickleburgh *et al.*, 2008at; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008at) [in IUCN (2009)] report that no specific conservation measures are in place, but it occurs in Comoe National Park in Côte d'Ivoire, and presumably also in other protected areas across its wide range.

GENERAL DISTRIBUTION:
Hipposideros abae is patchily distributed in a range which extends from Guinea-Bissau in West Africa (also the most northerly record) to northern Uganda (also the most eastern and southerly record) (Simmons, 2005: 367). It is a lowland species found below 1,000 m.

Native: Burkina Faso (Koopman *et al.*, 1978: 4; Kangoyé *et al.*, 2015a: 608); Cameroon; Central African Republic; Congo (The Democratic Republic of the); Côte d'Ivoire; Ethiopia (Kruskop *et al.*, 2016: 57); Ghana; Guinea (Weber and Fahr, 2007); Guinea-Bissau (Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 56); Liberia; Nigeria; Sierra Leone; Sudan; Togo; Uganda (Kityo and Kerbis, 1996: 61).
Presence uncertain: Benin; Chad; Mali.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Young (1975: 76) indicates that two distinct colour phases can be found: rufous (orange) and grey.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Unknown.
Protein / allozyme - Unknown.

ROOST:
It roosts in caves and rocky crevices or on the undersides of boulders, but apparently not in houses (Happold, 1987). For Guinea, Weber and Fahr (2006: 4) indicate that *H. abae* largely or exclusively depends on the availability of caves as day roosts.

POPULATION:
Structure and Density - Is thought to be sparsely distributed throughout its range, and to roost in small colonies (approximate group size in the dozens, not hundreds) (Mickleburgh *et al.*, 2008at; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008at; IUCN, 2009).

PARASITES:
ACARI
Fain (1959c: 239) described *Psorergates (Psorergatoides) hipposideros* (Acari: Psoridatidae) from a *H. abae* captured near Bunia, Ituri, DRC.

DIPTERA
Streblidae: *Ascodipteron jonesi* Jobling 1952 from the wing at Njala, Sierra Leone (Haeselbarth *et al.*, 1966: 106).

VIRUSES:
Bunyaviridae
Phlebovirus
de Jong *et al.* (2011: 11), Luis *et al.* (2013: Suppl.), and Willoughby *et al.* (2017: Suppl.) report the occurrence of Rift Valley fever virus.

Coronaviridae
SARS-CoV - During Febuary 2008 in Ghana, 16 fecal samples for coronavirus (CoV) RNA from two localities tested negative Pfefferle *et al.*, 2009). Corman *et al.* (2015: 11859) tested 242 Ghanese bats and found 19 (7.8 %) to test positive for 229E-related coronaviruses.

Hepeviridae
Drexler *et al.* (2012b: 9137) reported two positive feacal samples out of a total of 57 examined (3.51 %) from Ghana. Johne *et al.* (2014: 223, 224) suggested to place the Bat hepatitis E virus found in *H. abae*, as well as Hepevirus-species occuring in other bat families into a separate genus: *Chiropteranhepevirus*.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) reported that none of the 80 specimens they examined from Ghana tested positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

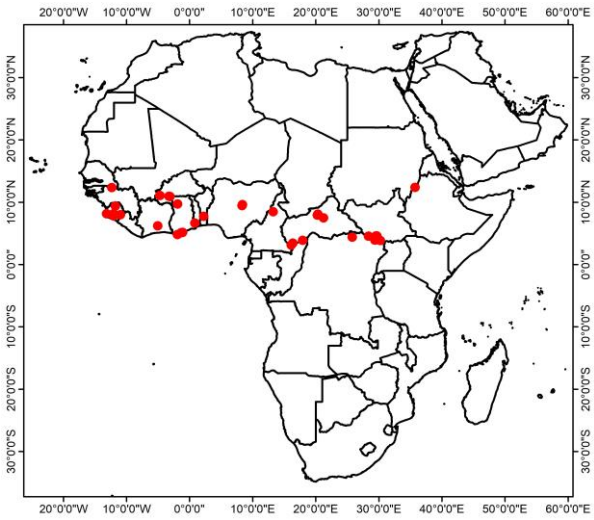

Figure 53. Distribution of *Hipposideros abae*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Burkina Faso, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Ghana, Nigeria, Senegal, Sierra Leone, South Sudan, Togo.

Hipposideros beatus (K. Andersen, 1906)

*1906. *Hipposiderus beatus* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 17 (99): 275, 279. Publication date: 1 March 1906. Type locality: Equatorial Guinea: Rio Muni: Benito River, 15 mi (24 km) from [01 31 N 09 52 E] [Goto Description]. Holotype: BMNH 1900.2.5.45: ad ♀, alcoholic (skull not removed). Collected by: George Latimer Bates Esq. Collection date: February 1899. (Current Combination)

1957. *Hipposideros beatus maximus* Verschuren, Exploration du Parc national du Garamba, 7: 365. Type locality: Congo (Democratic Republic of the): Garamba National Park: Pidigala-Nord, Source area of [04 38 N 29 42 E]. Holotype: RBINS 13768: ad ♂. Collected by: Jacques Verschuren; collection date: 23 April 1952; original number: 4565. Holotype: RBINS 4037: ad ♂. Collected by: Gaston-François de Witte and *et al.*; collection date: 23 April 1952; original number: 4565.

? *Hipposideros beatus beatus:* (Name Combination)

? *Hipposideros beatus:* (Current Spelling)

TAXONOMY:
Simmons (2005: 368) places it in the *bicolor* species group.

COMMON NAMES:
Czech: pavrápenec guinejský. English: Benito Roundleaf Bat, Benito Leaf-nosed Bat, Dwarf Leaf-nosed Bat. French: Phyllorine naine, Phyllorhine de Benito. German: Benito-Rundblattnase. Spanish (Castillian): Murciélago de Nariz de Hoja.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bz; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bz; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004ck; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
Habitat loss is the major threat to this species (Mickleburgh *et al.*, 2008bz; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bz) [in IUCN (2009)] report that it occurs in the Mount Allen National Park (Equatorial Guinea), and Garamba National Park (Democratic Republic of Congo), and presumably in several other protected areas.

GENERAL DISTRIBUTION:
Hipposideros beatus has been recorded from Sierra Leone eastwards across the forest zone west and central Africa, as far east as the Sudan/Democratic Republic of Congo border. There are records from Sierra Leone, Guinea, Liberia, Côte d'Ivoire, Ghana, Togo, Nigeria, Cameroon, Equatorial Guinea, Congo, Democratic Republic of Congo and Sudan. A previous report of this species in Central African Republic is in error, though it might occur in the south of that country.

Native: Cameroon (Eisentraut, 1973); Congo (The Democratic Republic of the); Côte d'Ivoire; Equatorial Guinea; Gabon; Ghana (Decher and Fahr, 2007: 16); Guinea; Guinea-Bissau (Rainho and Ranco, 2001: 59); Liberia; Nigeria (Happold, 1987); Sierra Leone; Sudan; Togo.
Presence uncertain: Central African Republic.
Bates *et al.* (2013: 338) reject the presence of *H. beatus* in the Republic of Congo, because previous authors (e.g. Malbrant and Maclatchy, 1949; Dowsett *et al.*, 1991) indicated it would be 'likely' to occur in that country.

ECHOLOCATION:
Monadjem *et al.* (2013b: 351) report the F_{max} to be 129.0 kHz at Mount Nimba.

Heller and Volleth (2016: 4) report different bandwidths for *H. beatus* specimens from various parts of Africa: Côte d'Ivoire: 139 - 147 kHz (Happold, 2013ap), Mount Nimba: 129 kHz (Monadjem *et al.*, 2013b), Lake Tumba, DRC: 108 and 129 kHz (2 specimens; see Novick, 1958), and Irangi, DRC: 109.2 kHz (their study). This 20 kHz difference makes them suggest that two cryptic species might be present.

HABITAT:
In Nigeria, it is widely distributed in the rainforest zone (Happold, 1987). Monadjem *et al.* (2016y: 365) also report its wide distribution in forested habitats in the Mount Nimba area, on altitudes between 420 and 700 m.

POPULATION:
Structure and Density - It has a patchy distribution, typically found in small familial groups, but can be found in groups of up to 20 individuals. There is no information on overall abundance (Mickleburgh *et al.*, 2008bz; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008bz; IUCN, 2009).

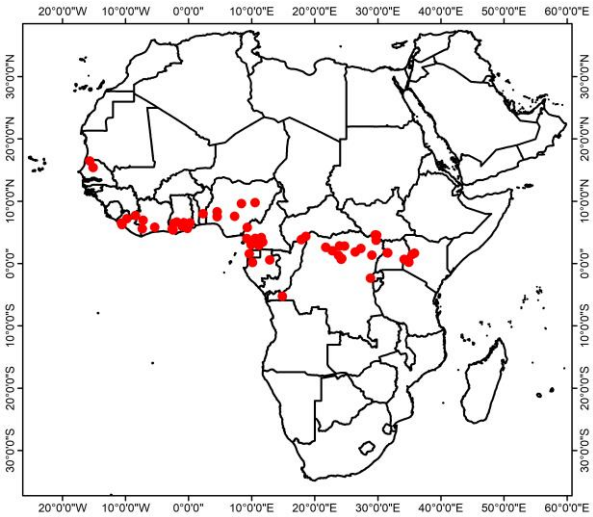

Figure 54. Distribution of *Hipposideros beatus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Kenya, Liberia, Nigeria, Senegal, Uganda.

Hipposideros caffer (Sundevall, 1846)

*1846. *Rhinolophus caffer* Sundevall, Öfvers. kongl. Sv. Vet.-Akad. Förhandl., 3 (4): 118. Publication date: 1846. Type locality: South Africa: KwaZulu-Natal: Port Natal [=Durban], near [ca. 29 52 S 31 00 E] [Goto Description]. Syntype: BMNH 1848.6.2.16: skull only. "Cotype" from Stockholm Museum, labeled "*Hipposideros caffer typicus*" locality Natal. Syntype: BMNH 1849.11.22.11: skin only. - Comments: Type locality originally mentioned as "Circa Port-Natal inventus". - Etymology: From the masculine scientific Latin adjective *càffer* "Kafir", referring to the southern African locality where the type specimen was collected (see Lanza *et al.*, 2015: 139).

1852. *Phyllorhina caffra* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 39, pl. 8. Publication date: 1852. Type locality: Mozambique: Ibo island. (Name Combination)

1852. *Phyllorrhina gracilis* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 36, pl. 7, fig. 1 - 4; pl. 13, fig. 14 - 15. Publication date: 1852. Type locality:

Mozambique: Lower Zambesi River: Tete [16 10 S 33 35 E, 230 m] [Goto Description]. Holotype: ZMB 364/85624: ♂. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847; original number: An 16311. See Turni and Kock (2008: 38) [skin & skull: ZMB 364 + skeleton: ZMB 85624].

1852. *Phyllorrhina patellifera* Peters, Naturw. Reise Mossamb., Säugethiere, p. 39. Type locality: Mozambique: Ibo island. - Comments: Manuscript name, cited by Peters (1852: 39, 40).

1898. *Phyllorhina angolensis* Seabra, J. Sci. mat. phys. nat., ser. 2, 5: 256. Publication date: December 1898. Type locality: Angola: Rio Coroca [=Curoca river] [15 43 S 11 55 E]. Syntype: BMNH 1906.1.3.2. - Comments: Meester *et al.* (1986: 43) indicate "Benguela, Angola, restricted by Hill and Carter (1941: 40), who point out that the name is based on four specimens from Benguela, housed in the Museu Bocage, Lisbon, and one from Rio Coroca, Angola, in the British Museum (Natural History). Koopman (in litt.) points out that, as the Museu Bocage had been destroyed by fire, the Rio Coroca specimen may be the only remaining of the type series.".

1917. *Hipposideros nanus* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 434. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Faradje [03 44 N 29 43 E] [Goto Description]. Holotype: AMNH 49426: ad ♀, skull and alcoholic. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 24 September 1912; original number: 1689. Allen (1917: 434) erroneously mentioned 24 October 1912 as collection date, see Goodwin (1953: 245).

1924. *Hipposideros caffer aurantiaca* de Beaux, Atti Soc. Lig. Sci. Nat. Geogr, 3: 155. Type locality: Somalia: Basso Giuba [=Lower Juba river]: Belet Mamu. - Comments: Lanza *et al.* (2015: 139) indicate that the correct spelling shoud actually be "*aurantiacus*" as the generic name ("*Hipposideros*") is a masculine name.

2015. *H[ipposideros] cafer:* Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, Hist. Bio., 28 (1 - 2): 163. Publication date: 1 October 2015. (Lapsus)

? *Hipposideros caffer angolensis:* (Name Combination)

? *Hipposideros caffer caffer:*

? *Hipposideros caffer centralis:*

? *Hipposideros caffer nanus:* (Name Combination)

? *Hipposideros caffer:* (Name Combination, Current Combination)

TAXONOMY:

Figure 55. *Hipposideros caffer* (yellow form).

Meester *et al.* (1986) state that further extralimital [to Southern Africa] subspecies may include *centralis* Andersen, 1906, *tephrus* Cabrera, 1906, *nanus* J.A. Allen, 1917 (Koopman, 1975), and also *guineensis* Andersen, 1906, and *niapu* J.A. Allen, 1917 (Hill, 1963a). Most recent authors appear to regard *ruber* Noack, 1893, as a separate species (Kock, 1969a; Hayman and Hill, 1971; Ansell, 1978; Corbet and Hill, 1980, Koopman, 1982). Although Hill (1963a) and Koopman (1975 regard *ruber* as only subspecifically distinct from *caffer*. Simmons (2005: 368) places *H. caffer* within the *bicolor* species group. Vallo *et al.* (2007: 257) consider *tephrus* to be a separate species, based on cytochrome *b* analysis. Reviewed by Vallo *et al.* (2009).

COMMON NAMES:

Afrikaans: Sundevall se bladneusvlermuis, Sundevall-bladneusvlermuis, Sundevallse blaarneusvlermuis, Kaapse Blaarneusvlermuis. Azande (DRC): Nkulo. Czech: pavrápenec natalský, listonos africký, pavrápenec africký. English: Sundevall's Leaf-nosed Bat, Common African Leaf-nosed Bat, Lesser Leaf-nosed bat, Sundevall's Roundleaf Bat, Cape Leaf-nosed bat, Sundevall's African Leaf-nosed Bat, South African Lesser Leaf-nosed Bat. French: Phyllorhine de Cafrerie, Phyllorhine de Sundevall, Rhinolophe de Cafrerie. German: Sundevalls Rundblattnase. Italian: Ipposìdero càfro. Kiluba (DRC): Kasusu. Nyungwe: Kalemawalema (not specific). Portuguese: Morcego de nariz enfolhado da cafraria.

CONSERVATION STATUS:

Global - Listed as Least Concern (LC ver 3.1

(2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining at nearly the rate required to qualify for listing in a threatened category (Kock *et al.*, 2008c; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Kock *et al.*, 2008c; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004ae; IUCN, 2004). 1994 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016t). 2004 - DD ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
Human disturbance to roosting sites (caves) could have a negative effect (Kock *et al.*, 2008c; IUCN, 2009).

Sherwin *et al.* (2012: 174) consider aerial hawking and water stress to be the major risk factors linked to climatic change.

CONSERVATION ACTIONS:
Kock *et al.* (2008c) [in IUCN (2009)] report that no specific conservation measures are in place. Occurs in protected areas throughout its range.

GENERAL DISTRIBUTION:
Hipposideros caffer is a very wide ranging species, occurring from the south-western Arabian Peninsula (including Yemen) and across most of sub-Saharan Africa (except for central forested regions) (Simmons, 2005: 368). This species has also been recorded in southern Algeria, central Niger, eastern Chad, the Senegal/Mauritania border. Elevation ranges from sea level to 2,500 m in this area.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,581,888 km^2. In South Africa, its distribution is stongly associated with the mean temperature of the coldest quarter (Babiker Salata, 2012: 49).

Specimens from Morocco need verification as these may be attributed to *H. tephrus* (Cabrera, 1906). A supposed record from southern Algeria requires confirmation.

Specimens identified by Fahr *et al.* (2006a) as *H. caffer* from Mount Nimba might need to be reassigned, as this species is restricted to southern Africa (Monadjem *et al.*, 2016y: 365).

Native: Angola (Crawford-Cabral, 1989; Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 536); Benin; Botswana (Monadjem *et al.*, 2010d: 536); Burkina Faso; Burundi; Cameroon; Chad; Congo (Bates *et al.*, 2013: 335); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 536); Côte d'Ivoire; Equatorial Guinea; Eritrea; Ethiopia; Gabon (Brosset, 1966c); Gambia; Ghana; Guinea; Guinea-Bissau (Seabra, 1900c; Monard, 1939;; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 50); Kenya; Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d:536); Mali; Mauritania; Morocco (El Ibrahimi and Rguibi Idrissi, 2015: 360); Mozambique (Lopes and Crawford-Cabral, 1992; Monadjem *et al.*, 2010d: 536; Monadjem *et al.*, 2010c: 380); Namibia (Monadjem *et al.*, 2010d: 536); Niger; Nigeria (Menzies, 1973); Rwanda; Saudi Arabia; Senegal; Sierra Leone; Somalia; South Africa (Taylor, 2000: 140; Monadjem *et al.*, 2010d: 537); Sudan; Swaziland (Monadjem *et al.*, 2010d: 537); Tanzania (including the islands of Pemba, Unguja, and Mafia [see O'Brien, 2011: 287]); Togo; Uganda (Kityo and Kerbis, 1996: 61); Yemen; Zambia (Ansell, 1969; Ansell, 1978; Ansell, 1986; Cotterill, 2002b: 5; Monadjem *et al.*, 2010d: 537); Zimbabwe (Monadjem *et al.*, 2010d: 537).
Presence uncertain: Algeria; Liberia.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Menzies (1973) [in Young (1975: 76) indicates that, in some colonies in northern Nigeria, rufous bats get a grey fur during the molting season, and subsequently change back to rufous. Young (1975: 76) also mentions that the majority of *H. caffer* specimens in Angola and south-west Africa (Namibia) is grey, whereas in eastern Africa, the rufous phase is more common.

From western Uganda, Monadjem *et al.* (2011: 30) reported the following data for 5 *H.* cf. *caffer* specimens: Fa: 51.50 ± 1.398 mm, mass: 10.2 ± 1.10 g, wing loading: 5.2 ± 0.27 N/m^2, aspect ratio: 5.8 ± 0.10.

DETAILED MORPHOLOGY:
Baculum - Unknown
Brain - Amrein *et al.* (2007), from specimens collected from Bénin, reported moderate proliferating cell activity, detected with Ki-67 and MCM2, in the subgranular layer of the dentate gyrus, with doublecortin (DCX) they detected highest levels of young migrating neuron in the subgrannular layer of the hippocampus. Amrein *et al.* (2007) also reported moderate to ample proliferating cells (Ki-67 positive cells) and migrating young neurons (DCX positive cells) in the rostral migratory stream. No NeuroD was detected in the hippocampal granule cells (Amrein *et al.* (2007).

ECHOLOCATION:
At Irangi (Kivu province, DRC), Heller (1992: 77) was able to distinguish *H. caffer* from *H. ruber* as the prior emitted calls at a much higher frequency: 137 - 160 kHz (versus 130 - 140 kHz in *ruber*).

In Guinea, Fahr and Ebigbo (2003) reported a constant frequency component of 160.2 - 164.1 kHz (these may not represent *H. caffer* see Vallo *et al.*, 2009). In Kenya, Taylor *et al.* (2005) reported a maximum frequency of 157 (± 0.2) kHz, using a Pettersson D980 detector. From the same country, Eisenring *et al.* (2016: SI 2.) reported the following values: PF: 144.0, HF: 149.4, LF: 110.9, DT: 0.1, DF: 38.5, and IPI: 0.0. At Sengwa in Zimbabwe, Fenton (1986a) reported a maximum frequency of 141.5 (± 2.7) kHz, whereas previously Jacobs (1996) and Fenton and Bell (1981) had reported a maximum frequency of 138 kHz from the same locality. In South Africa, Fenton (1986a) reported a maximum frequency of 145.4 (± 2.5) kHz from Levuvhu, while Taylor (1999b) using a Pettersson D980 detector reported a similar maximum frequency 145 (± 0.2) kHz from Jozini Dam. Monadjem *et al.* (2007a), using an Anabat detector, reported a maximum frequency of 143.0 (± 1.43) kHz from various localities in Swaziland. See also Pye (1972, O'Shea and Vaughan, 1980). Monadjem *et al.* (2010c: 381) reported from Mozambique that the peak echolocation frequencies of two individuals were recorded at 145 kHz (ANABAT).

Monadjem *et al.* (2007a) also reported sexual dimorphism in the call with males emitting a higher call than females (males 145.0 (± 0.76) kHz, females 142.9 (± 1.39) kHz).

For 13 calls from Swaziland, Taylor *et al.* (2013b: 19) reported the following parameters: F_{max}: 142.9 ± 0.96 (140.4 - 144.1) kHz, F_{min}: 123.2 ± 6.40 (108.9 - 130.3) kHz, F_{knee}: 141.5 ± 0.95 (139.3 - 142.9) kHz, F_{char}: 142.0 ± 1.00 (139.8 - 143.5) kHz, duration: 4.2 ± 0.28 (3.7 - 4.7) msec. Monadjem *et al.* (2017c: 180) indicated that calls from this species could not be detected at a distance of more than 0.5 m, using an Anabat detector. They also reported the following values: F_{min}: 121.2 ± 5.88 (109.1 - 127.3) kHz, F_{knee}: 141.4 ± 1.97 (138.7 - 144.3) kHz, F_c: 141.7 ± 1.69 (139.5 - 144.0) kHz, duration: 4.8 ± 1.08 (3.7 - 6.7) msec.

Monadjem *et al.* (2011: 32) reported on 3 calls from *Hipposideros* cf. *caffer* from western Uganda: F_{min}: 144.11 ± 6.373 kHz, F_{max}: 151.73 ± 1.661 kHz, F_{char}: 146.88 ± 3.909 kHz, F_{knee}: 151.13 ± 1.650 kHz, duration: 2.8 ± 1.18 msec.

MOLECULAR BIOLOGY:
DNA - Vallo *et al.* (2009).
Karyotype - Đulic and Mutere (1974), Peterson and Nagorsen (1975), Rautenbach *et al.* (1993) and Porter *et al.* (2010) all reported 2*n* = 32, FN = 60, and BA = 30. Peterson and Nagorsen (1975) and Rautenbach *et al.* (1993) also agreed on an acrocentric Y chromosome. However, Đulic and Mutere (1974) reported a metacentric X chromosome, Peterson and Nagorsen (1975) reported a subtelocentric X chromosome, and Rautenbach *et al.* (1993) reported a submetacentric X chromosome.
Protein / allozyme - Unknown.

HABITAT:
This species occurs in savanna, bushveld and coastal forest, and is usually associated with rivers and other water resources (Taylor, 2000: 140).

ROOST:
Weber and Fahr (2006: 4) indicate that *H. caffer*, in Guinea, largely or exclusively depends on the availability of caves as day roosts. In the Durban area, Taylor *et al.* (1999: 70) reported it roosting in a tunnel of the Songweni Dam.

DIET:
In their study of *H. caffer* bats from Skukuza (Kruger National Park, RSA), Dunning and Krüger (1996: 708) found that they overwhelmingly fed upon tympanate Lepidoptera, whereby relative numbers of noctuid, pyralid, and arctiid moths taken by the bats were proportional to the representation of these families in the general population of moths in the area. They also took much less moths belonging to the Geometridae, and arctiid moths that were able to produce clicking sounds.

Taylor *et al.* (2017b: 245, 252 - 254) reported the diet from bats from the Limpopo province (RSA) to include: one unidentified beetle and seven genera or species of moths belonging to four families: *Sena* sp., *Mimallo amilia DHJ01*, *Xenopseustis* sp., *Pericyma atrifusa*, *Tycomarptes* sp., *Maurilia arcuata*.

From Sudwala (RSA), Jacobs (2000: 201) reported the following proportions of preys: Lepidoptera (65.6 ± 46.3), Coleoptera (19.1 ± 40.0), Isoptera (14.5 ± 35.6), Hemiptera (0.5 ± 1.2) and unknwon (0.3 ± 0.6).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention *H. caffer* as a possible prey of the Lanner falcon (*Falco biarmicus* Temminck, 1825), Peregrine falcon (*Falco peregrinus* Tunstall, 1771) and Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850).

POPULATION:
Structure and Density - Are extremely gregarious and capable of forming huge colonies where there is adequate roosting space. In Nigeria, at Shagunu (Menzies, 1973), a colony of about 1,000 individuals inhabited a cave five meters wide, 1-2 m high and 10-15 m deep. In Gabon they live in colonies of 200-1,000 and one exceptionally large cave contained an estimated 500,000 bats (Brosset, 1966c; Happold, 1987).
Trend - 2008 - Decreasing (Kock *et al.*, 2008c; IUCN, 2009)

REPRODUCTION AND ONTOGENY:
For Uganda, Mutere (1968) reported pregnancies between December and March and births in April.

Bernard and Meester (1982: 131) studied the reproductive cycle in *H. caffer* in Natal and found that follicular development began in February, with copulation and ovulation taking place from late April onwards. The duration of the gestation period was about 220 days (zygote: 21 days, embryo: 123 days and foetus: 76 days). Parturition took place in December, after which there was a lactation period until January, during which the bats were anoestrus.

Menzies (1973) claimed it can take up to two months before a blastocyst gets implanted, but this was revoked by Racey (1982: 83), who indicated that some of Menzies' illustrations proved otherwise.

In NE Gabon, Brosset and Saint Girons (1980: 226) found that *H. caffer* was reproducing with a boreal cycle (giving birth in March) in some caves, whereas in others they were following an austral cycle (giving birth in October). A line separating both groups seemed to run just north of the equator. For the northern group, mating occurred in November-December. In both groups, the single young was weaned after three and a half months. In the caves, where the females were following a boreal cycle, the males were in full spermatocytogenesis at the beginning of October. The spermiogenesis was starting in that period and this phase ended between 25 and 30 November. In the other caves, the males were in sexual rest between August and January.

PARASITES:
Adam and Landau (1973a: 5) report that *H. caffer* was rarely infected by a protozoan parasite of the genus *Polychromophilus* (Haemoproteidae). The bats were also found to carry low numbers of the the nycteribiid flies *Penicillidia fulvida* Bigot, 1885 and *Nycteribia schmidlii scotti* Falcoz, 1923, of which the prior was a major carrier of *Polychromophilus* sporozoites. Perkins and Schaer (2016: Suppl.) reported the presence of *Polychromophilus murinus* (Dionisi, 1899).

Wünschmann *et al.* (2010: 178) refer to Boulard (1975), who reported the first case of renal coccidiosis in a bat (on *H. caffer* and *Rhinolophus* sp.) from Sierra Leone and the Congo, and caused by *Klossiella killicki* Boulard, 1975.

Teixeira and Camargo [in Lima *et al.* (2013: 13)] described *Trypanosoma livingstonei* from two bats from Mozambique: *Rhinolophus landeri* (type host) and *H. caffer* (additional host) [see also Barbosa *et al.*, 2016: 215].

Vercammen-Grandjean and Fain (1958: 10, 12, 14, 20, 22, 30, 33) described *Trombigastia (Ascoschongastoïdes) ascoschongastoïdes*, *Trombigastia (Ascoschongastoïdes) berghei*, *Trombigastia (Scapularia) scapularia*, *Trombigastia (Trombigastia) laarmani*, *Trombigastia (Trombigastia) vinckei*, *Trombigastia (Trombigastia) minor*, and *Myotrombicula bidentipalpis* (Acari: Trombiculidae) from 77 *H. caffer centralis* specimens collected at Irangi, DRC. Fain (1959c: 239) described *Psorergates (Psorergatoides) hipposideros* (Acari: Psoridatidae) from a *H. caffer centralis* captured in Kakontwe cave, Jadotville (=Likasi), DRC.

Streblidae: *Brachytarsina africana* (Walker, 1849) has a wide distribution in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100), *Brachytarsina alluaudi* (Falcoz, 1923) in Botswana (Haeselbarth *et al.*, 1966: 101), Gabon (Obame-Nkoghe *et al.*, 2016: 5), *Brachytarsina longiarista* (Jobling, 1949) in Sierra Leone (Haeselbarth *et al.*, 1966: 101), *Raymondia alulata* Speiser, 1908 (Shapiro *et al.*, 2016: 253), *Raymondia aspera* Maa, 1968 in Mozambique (Shapiro *et al.*, 2016: 254), *Raymondia hardyi* in South Africa (Shapiro *et al.*, 2016: 254). *Raymondia huberi* Frauenfeld, 1856 may be associated but remains to be confirmed (Jobling, 1954 [in Haeselbarth *et al.* (1966: 102)]). *Raymondia huberi* Frauenfeld, 1856 group in Gabon (Obame-Nkoghe *et al.*, 2016: 5). *Raymondia intermedia* Jobling, 1936 (Shapiro *et al.*, 2016: 255). *Raymondia seminuda* Jobling, 1954 from Sierra Leone, the Congo, Tanzania, Zimbabwe, South Africa (Haeselbarth *et al.*, 1966: 103; Shapiro *et al.*, 2016: 255). *Raymondia setiloba* Jobling, 1954 from Katanga (Haeselbarth *et al.*, 1966: 104; Shapiro *et al.*, 2016: 256 [host as *H. caffer-ruber* complex]). *Raymondia waterstoni* Jobling, 1931 (Haeselbarth *et al.*, 1966: 104; Shapiro *et al.*, 2016: 256 [host as *H. caffer-ruber* complex]). *Raymondioides leleupi* Jobling, 1954 from Duékoué, Côte d'Ivoire (Haeselbarth *et al.*, 1966: 104). *Ascodipteron jonesi* Jobling, 1952

from Sudan, the Congo, Uganda and Tanzania (Haeselbarth *et al.*, 1966: 106). *Ascodipteron megastigmatos* Jobling, 1956 from Duékoué, Côte d'Ivoire (Haeselbarth *et al.*, 1966: 106). *Ascodipteron semirasum* Maa, 1965 from Botswana, but Maa (1965) doubts the correctness of the host-identification (Haeselbarth *et al.*, 1966: 106).
Theodor (1968) described *Raymondia allisoni* Theodor, 1968 from a *H. caffer* from Ghana, but Shapiro *et al.* (2016: 253) indicate that the bat species is probably not correct and they assigned it to the *H. caffer-ruber* complex. Shapiro *et al.* (2016: 255) also mention *Raymondia pagodarum* Speiser, 1900 from the species complex in Uganda (but here the original host was referred to as *H. ruber*), as well as *Raymondia simplex* Jobling, 1955 (from the DRC). Shapiro *et al.* (2016: 256) furthermore mention an unnamed *Raymondia* species (sp. A) from Congo.

Nycteribiidae: *Nycteribia schmidlii* Schiner, 1853 (Haeselbarth *et al.*, 1966: 108; Duron *et al.*, 2014: 2108; Obame-Nkoghe *et al.*, 2016: 5). *Nycteribia scissa sudanica* Theodor, 1957 from Ethiopia, the Sudan and the Congo (Haeselbarth *et al.*, 1966: 108). *Nycteribia integra* Theodor and Moscona, 1954 (Haeselbarth *et al.*, 1966: 109). *Nycteribia ovalis* Theodor, 1957 from Sierra Leone (Haeselbarth *et al.*, 1966: 110). *Nycteribia tecta* Theodor, 1957 from Zimbabwe and South Africa, but Haeselbarth *et al.* (1966: 110) suggests these may represent a distinct subspecies. *Penicillidia pachymela* Speiser, 1901, from Somalia, Sudan, Kenya, Tanzania, the Congo, Guinea and the Cameroon Mts (Haeselbarth *et al.*, 1966: 114), and Zambia (Blackwell, 1980: 145 - itself infected by the fungus *Arthrorhynchus nycteribiae* (Peyritsch) Thaxter). *Eucampsipoda africana* Theodor, 1955 and *Penicilidia fulvida* Bigot, 1885, found both on bats from the *H. caffer* complex in Gabon (Obame-Nkoghe *et al.*, 2016: 5).

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Hipposideros caffer*: Astroviruses, Coronaviruses and Paramyxoviruses.

Willoughby *et al.* (2017: Suppl.) report the following viruses: Chikungunya virus, Human coronavirus 229E, Rift Valley fever phlebovirus.

Bunyaviridae
Nairovirus
Only three of the 36 *H.* cf. *caffer* specimens from Gabon tested by Müller *et al.* (2016: 3) were positive for Crimean Congo hemorrhagic fever virus (CCHFV).

Phlebovirus
de Jong *et al.* (2011: 11) and Luis *et al.* (2013: suppl.) report the occurrence of Rift Valley fever virus.

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera in five individuals from Limpopo Province, South Africa. None were tested positive (0/5), neither did nine individuals from Oriental Province, DRC (0/9). See also note under "viruses" for the genus as possiblitiy.
Pfefferle *et al.* (2009) report the detection of several alpha- and betacoronaviruses from *H.* cf. *caffer/ruber*. The alphacoronaviruses were related to the human coronavirus HCoV-229E, and Porcine coronaviruses.
Anthony *et al.* (2017b: Suppl.) mention the beta-coronaviruses Predict_CoV_43 and Predict_CoV_44.
Both alpha- and betacoranoviruses were reported from Zimbabwe by Bourgarel *et al.* (2018: 255à.

Hepadnaviridae
Roundleaf bat HBV – detected in the lung and liver of *H.* cf. *caffer/ruber* from Gabon.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that one of the 80 *H.* cf. *caffer* specimens they examined from Ghana tested positive for *Morbillivirus*. Of the 337 specimens from Gabon they identified as belonging to *H.* cf. *caffer/ruber*, two tested positive for *Morbillivirus* and one for *Rubulavirus*.
Mortlock *et al.* (2015: 1841) reported that two out of six examined South African *H. caffer* specimens tested positive for *Paramyxovirus* sequences.

In *H. caffer* bats from Zimbabwbe, Bourgarel *et al.* (2018: 255) identified viruses belonging to the genus *Jeilongvirus*.

Togaviridae
Alphavirus
de Jong *et al.* (2011: 10) and Luis *et al.* (2013: suppl.) reported Chikungunya virus occurring on *H. caffer*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Malawi, Mali, Mauritania, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Principé, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Swaziland, Tanzania, The Gambia,

Togo, Uganda, Zambia, Zimbabwe.

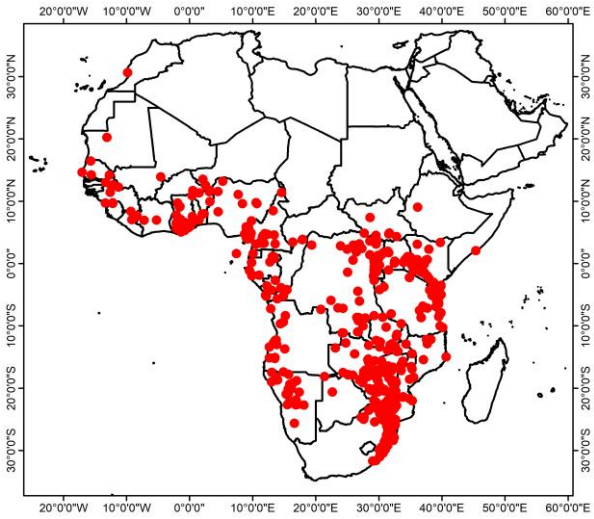

Figure 56. Distribution of *Hipposideros caffer*

Hipposideros camerunensis Eisentraut, 1956

*1956. *Hipposideros camerunensis* Eisentraut, Zool. Jb. Syst., 84 (3): 526, fig. 6 - 8. Publication date: 27 December 1956. Type locality: Cameroon: Buea, near [ca. 04 09 N 09 13 E] [Goto Description]. Holotype: SMNS 5194: ad ♂, skin and skull. Collected by: Prof. Dr. Martin Eisentraut; collection date: 29 April 1954; original number: 505. see Dieterlen *et al.* (2013: 294). Paratype: SMNS 5195: ad ♂, alcoholic (skull not removed). Collected by: Prof. Dr. Martin Eisentraut; collection date: 29 April 1954; original number: 510. see Hutterer (1984: 29 - 30), Dieterlen *et al.* (2013: 294). Paratype: SMNS 5197: ad ♂, skull and alcoholic. Collected by: Prof. Dr. Martin Eisentraut; collection date: 29 April 1954; original number: 511. see Hutterer (1984: 29 - 30), Dieterlen *et al.* (2013: 294). Paratype: ZFMK 1979.0138: ad ♀. Collected by: Prof. Dr. Martin Eisentraut; collection date: 29 April 1954; original number: 506. Exchanged from SMNS in March 1979; SMNS catalog number 5196 (see Hutterer, 1984: 29 - 30; Hutterer and Peters, 2010: 12), Dieterlen *et al.*, 2013: 294). - Etymology: Referring to the country where the type specimen was collected (Cameroon). (Current Combination)

2015. *H[ipposideros] camarunensis:* Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, Hist. Bio., 28 (1 - 2): 163. Publication date: 1 October 2015. (Lapsus)

TAXONOMY:
Simmons (2005: 369) as part of the *cyclops* species group.

Mickleburgh *et al.* (2008l) in IUCN (2009) report that there is debate as to whether all the records comprise a single species, or whether there might be two or three different species involved. The records from the Democratic Republic of Congo and Kenya could refer to other, possibly undescribed, species.

COMMON NAMES:
Czech: pavrápenec kamerunský. English: Cameroon Leaf-nosed Bat, Greater Roundleaf Bat, Greater Cyclops, Eisentraut's Leaf-nosed Bat. French: Phyllorine du Cameroun, Phyllorine d'Eisentraut. German: Kamerun-Rundblattnase.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of continuing uncertainties as to its taxonomic status, extent of occurrence and ecological requirements (Mickleburgh *et al.*, 2008l; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2008l; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2004ac; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
If it is a forest-dependent species, then it is probably suffering from ongoing forest loss. If future taxonomic studies show it to be restricted to Mount Cameroon, then it could be seriously threatened by habitat destruction (Mickleburgh *et al.*, 2008l; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008l) [in IUCN (2009)] report that no conservation measures are currently in place. It is not known from any protected areas. Taxonomic studies are urgently needed to determine whether or not the three recorded localities all refer to the same species.

GENERAL DISTRIBUTION:
Hipposideros camerunensis is known only from three localities: Buea in Cameroon (type locality); Shabunda in eastern Democratic Republic of Congo; and at the Kakamega Forest in western Kenya close to Lake Victoria. If it is a single species, then it is likely to be found in future in intervening locations. Its elevational range is from sea-level to 500 m, and probably higher.

Native: Cameroon (Eisentraut, 1956b, 1963, 1973); Congo (The Democratic Republic of the); Kenya (Schlitter *et al.*, 1986).

HABITAT:
The Kakamega specimen was captured in 'Intermediate Evergreen Forest' (Schlitter *et al.*, 1986).

ROOST:
The type specimens were taken from a hollow tree (Eisentraut, 1963).

POPULATION:
Structure and Density - Very little known about the species. It is known form only three records in a general region that is not widely surveyed (Mickleburgh *et al.*, 2008l; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008l; IUCN, 2009).

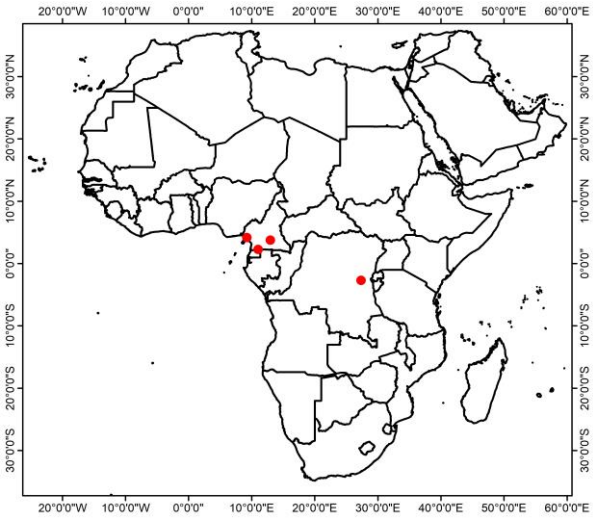

Figure 57. Distribution of *Hipposideros camerunensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo (Democratic Republic of the).

Hipposideros cf. centralis Andersen, 1906

2016. *Hipposideros cf. centralis:* Kruskop, Benda, Vasenkov and Lavrenchenko, Lynx, 47: 56.

TAXONOMY:
Generally, this taxon is considered to be a subspecies of *H. ruber*, but Kruskop *et al.* (2016: 57) consider the large-sized NE African individuals from the *H. caffer* group to represent a separate species, although they indicate that a genetic comparison with specimens from Uganda and NE DRC is still required.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia.

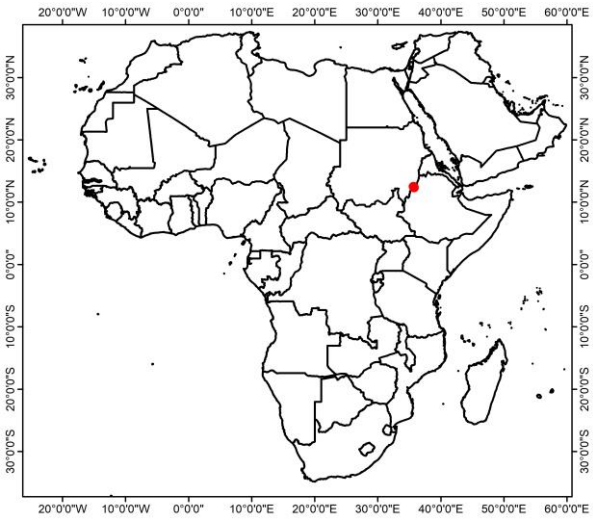

Figure 58. Distribution of *Hipposideros* cf. *centralis*

Hipposideros curtus G.M. Allen, 1921

*1921. *Hipposideros curtus* G.M. Allen, Rev. Zool. afr., 9 (2): 194. Publication date: December 1921. Type locality: Cameroon: Littoral province: on the Sanaga River: Sakbayeme [04

02 N 10 35 E] [Goto Description]. Holotype: MCZ 19305: ad ♀, alcoholic (skull not removed). Collected by: Rév. George W. Schwab; collection date: 1920. See Helgen and McFadden (2001: 142). - Comments: The cover of issue 9 (2) mentions 15 October 1921 as publication date, but the actual date might be December 1921. (Current Combination)

1937. *Hipposideros sandersoni* Sanderson, Animal Treasure, 290 (fig.), p. 296. Publication date: September 1937. Type locality: Cameroon: near Mamfe [05 47 N 09 18 E]. - Comments: ("bluish-grey and small"). The type locality (Mamfe) was originally situated in Nigeria, but is currently located in Cameroon.

TAXONOMY:
Simmons (2005: 370) placed it as part of the *bicolor* species group. Includes *sandersoni* (Hill, 1963a: 60).

The taxonomic relationship between *Hipposideros curtus* and *H. vittatus* is unclear and needs further investigation (Mickleburgh *et al.*, 2008dj; IUCN, 2009).

COMMON NAMES:
Czech: pavrápenec krátkoocasý. English: Short-tailed Leaf-nosed Bat, Short-tailed Roundleaf Bat. French: Phyllorine à queue courte. German: Kurzschwanz-Rundblattnase.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU B2ab(iii) ver 3.1 (2001)) because its area of occupancy (cave roosting localities) is probably less than 2,000 km², its distribution is severely fragmented, and there is continuing decline in the extent and quality of its habitat (Mickleburgh *et al.*, 2008dj; IUCN, 2009).
Assessment History -
2008 - VU B2ab(iii) ver 3.1 (2001) (Mickleburgh *et al.*, 2008dj; IUCN, 2009). 2004 - VU A3c ver 3.1 (2001) (Mickleburgh *et al.*, 2004da; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
Threats to this species include ongoing forest loss, and disturbance of cave roosting sites. A number of the few known roosts have already been deserted presumably because of disturbance (Mickleburgh *et al.*, 2008dj; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dj) [in IUCN (2009)] report that this species has not been recorded from any protected areas. There is an urgent need to protect any important roosting site, and to maintain suitable foraging habitat in the vicinity of these. Further field surveys are needed to locate additional populations of this species, and to determine if the species is present in Nigeria.

GENERAL DISTRIBUTION:
Hipposideros curtus is restricted to southwestern Cameroon and Equatorial Guinea (both Bioko island and Rio Muni). The species might be present in Nigeria, however, this needs confirmation. It is a lowland species found at elevations from sea-level to 500 m.

Native: Cameroon (Eisentraut, 1973); Equatorial Guinea (Bioko) (Juste B. and Ibáñez, 1994b).
Presence uncertain: Nigeria.

POPULATION:
Structure and Density - Has been rarely recorded and is known only from a few locations (Mickleburgh *et al.*, 2008dj; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008dj; IUCN, 2009).

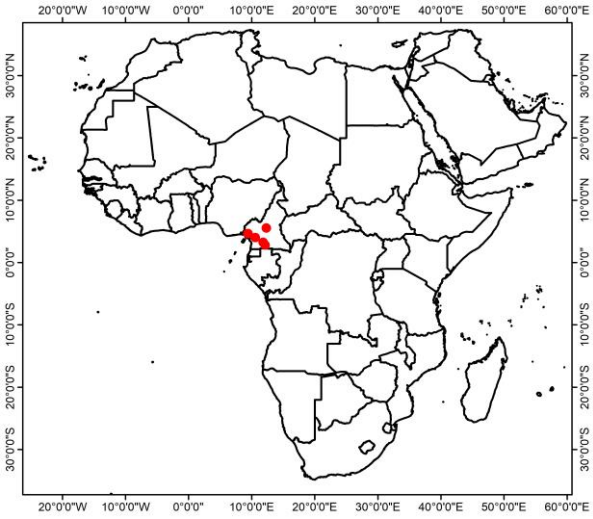

Figure 59. Distribution of *Hipposideros curtus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Cameroon.

Hipposideros fuliginosus (Temminck, 1853)

*1853. *Phyllorrhina fuliginosa* Temminck, Esquisses zoologiques sur la Côte de Guiné. 1e partie, les Mammifères, 77. Publication date: 1853. Type locality: Ghana: "Ghana" [Goto Description]. - Comments: Allen (1939a: 81) mentioned the type locality as "La côte de Guiné". Grubb *et al.* (1998: 79) mention the type locality as "La Côte de Guiné". Jentink

(1888b: 167) gave it as 'Côte d'Or, Pays des Aschantes.').
1895. *Phyllorhina fuliginosa:* Bocage, J. Sci. mat. phys. nat., ser. 2, 4 (8): 4. Publication date: December 1895. (Name Combination)
2014. *Hipposideros fuliganosas:* Chawana, Alagaili, Patzke, Spocter, Mohammed, Kaswera, Gilissen, Bennett, Ihunwo, and Manger, Neuroscience, 277: 725. Publication date: 26 September 2014. (Lapsus)
2016. *Hipposideros fulginosus:* Simmons, Seiffert and Gunnell, Am. Mus. Novit., 3857: 42. Publication date: 9 May 2016. (Lapsus)
? *Hipposideros fuliginosus:* (Name Combination, Current Combination)

TAXONOMY:
Simmons (2005: 371) as part of the *bicolor* species group.

Populations from central Africa may well represent a different species from those in western central (west of about 15°) and the Ethiopian records represent another, possibly undescribed, species (Mickleburgh *et al.*, 2008da in IUCN, 2009) based on J. Fahr *pers. comm.*). Herkt *et al.* (2017: Appendix S9) indicate that genetic tests evaluating the distinct species status are still lacking, and no clear major geographic gap between both putative species ranges can be discerned.

COMMON NAMES:
Czech: pavrápenec sazový. English: Sooty Leaf-nosed Bat, Sooty Roundleaf Bat, Dusky leaf-nosed bat. French: Phyllorine sombre, Phyllorine fuligineuse, Phyllorhine fuligineux. German: Temmincks Rundblattnase, Rußfarbene Rundblattnase.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008da; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008da; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004cp; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
The major threat to this species is deforestation or degradation of its habitat. Presumably this is largely a result of logging operations and the conversion of land to agricultural use (Mickleburgh *et al.*, 2008da; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008da) [in IUCN (2009)] report that although there are no specific conservation measures in place for this bat, it is presumably present in several protected areas. There is a specific need to maintain large trees as roosting sites for the species. Further studies are needed into the taxonomy, distribution, natural history and possible additional threats to this species.

GENERAL DISTRIBUTION:
Hipposideros fuliginosus has been recorded in West Africa and Central Africa. It ranges from Guinea and Sierra Leone in the west, and has been recorded from Liberia, Côte d'Ivoire, Ghana and Nigeria. In Central Africa it is distributed in southern Cameroon, with scattered records from Gabon, Central African Republic, northern parts of Democratic Republic of the Congo and western Uganda. It is generally a lowland species, being recorded up to 500 m asl.

Native: Cameroon (Eisentraut, 1973); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 538); Côte d'Ivoire; Gabon; Ghana (Decher and Fahr, 2007: 16); Guinea (Fahr and Ebigbo, 2003: 128; Decher *et al.*, 2016: 265); Guinea-Bissau (Rainho and Ranco, 2001: 58); Liberia (Koopman, 1989b; Koopman *et al.*, 1995); Nigeria; Sierra Leone; Uganda.
Presence uncertain: Central African Republic; Congo; Equatorial Guinea.

DETAILED MORPHOLOGY:
Brain:
Adult hippocampal neurogenesis was studied by Chawana R. *et al.* (2016: 1551).

ECHOLOCATION:
In Guinea Fahr and Ebigbo (2003) reported the frequency of the CF-component at 122.5 ± 1.3 (120.0 - 123.3) kHz.

POPULATION:
Structure and Density - There is little information on its overall abundance. It is usually found in small groups, but sometimes in congregations of up two hundred bats (Mickleburgh *et al.*, 2008da; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008da; IUCN, 2009).

PARASITES:
DIPTERA:
Streblidae: *Raymondia huberi huberi* Frauenfeld, 1855 (Shapiro *et al.*, 2016: 254). *Raymondia seminuda* Jobling, 1954 in southern Nigeria (Haeselbarth *et al.*, 1966: 103).

VIRUSES:
Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that three out of 21 examined *H. fuliginosus* specimens from the DRC tested positive for *Paramyxovirus* sequences.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Gabon, Ghana, Guinea, Liberia, São Tomé and Principé, Senegal, Sierra Leone, Tanzania.

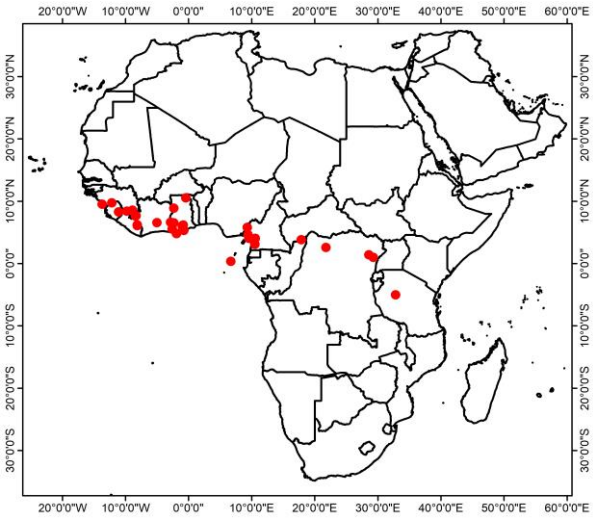

Figure 60. Distribution of *Hipposideros fuliginosus*

Hipposideros jonesi Hayman, 1947

*1947. *Hipposideros jonesi* Hayman, Ann. Mag. nat. Hist., ser. 11, 14 (109): 71, fig. 1. Publication date: 19 November 1947. Type locality: Sierra Leone: Makeni [08 57 N 12 02 W] [Goto Description]. Holotype: BMNH 1947.629: ad ♀, skull and alcoholic. Collected by: Theo Simpson Jones; collection date: 12 December 1946; original number: 42. - Etymology: In honour of Mr. T.S. Jones, the collector of the type specimen. (Current Combination)

TAXONOMY:
Simmons (2005: 373) as part of the *bicolor* species group.

COMMON NAMES:
Czech: pavrápenec Jonesův. English: Jones' Leaf-nosed Bat, Jones' Roundleaf Bat, Jones's Roundleaf Bat, Western Africa leaf-nosed bat. French: Phyllorine de Jones, Phyllorine d'Afrique occidentale. German: Jones' Rundblattnase.

CONSERVATION STATUS:
Global - Listed as Near Threatened (NT ver 3.1 (2001)) since the species depends on caves for roost sites, and the area of occupancy might not be much greater than 2,000 km^2. The quality of its limited roosting habitat is likely to be declining through disturbance of caves, thus making the species close to qualifying for Vulnerable under criterion B2 (Mickleburgh *et al.*, 2008au; IUCN, 2009).

Assessment History -
2008 - NT ver 3.1 (2001) Mickleburgh *et al.*, 2008au; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004br; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
The species is generally threatened by the disturbance of roosting caves and might additionally be threatened by subsistence hunting although this needs to be confirmed (Mickleburgh *et al.*, 2008au; IUCN, 2009). Nkrumah *et al.* (2018: 755) indicate that *H. jonesi* is a generalist in the Kwamang agro-ecosystem of Ghana, and as such, might not be sensitive to increased disturbance. However, they also mention that their results need to be cautiously interpreted.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008au) [in IUCN (2009)] report that there appear to be no direct conservation measures in place for this species. It is not known if the species is present within any protected areas. There is a need to conserve important roosts for this species. Additional studies are needed into the distribution, natural history and threats to this species.

GENERAL DISTRIBUTION:
Hipposideros jonesi is a West African endemic, closely associated with caves. It has been recorded from Sierra Leone and Guinea to Mali, Burkina Faso, Ghana and Nigeria. It is found between sea level and 1,400 m asl.

Native: Burkina Faso (Kangoyé *et al.*, 2015a: 608); Côte d'Ivoire; Ghana; Guinea (Decher *et al.*, 2016: 265); Liberia (Fahr, 2007a: 104); Mali; Nigeria

(Happold, 1987); Sierra Leone (Hayman, 1947d; Grubb *et al.*, 1998).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Young (1975: 76) indicates that two distinct colour phases can be found: rufous (orange) and grey.

MOLECULAR BIOLOGY:
DNA - Unknown
Karyotype - Koubínová *et al.* (2010b) report for on a single male from Senegal, 2*n*= 32, Fna= 60 and FN= 64, these included 30 biarmed autosomes, including four metacentric, eight submetacentric and three subtelocentric, eight submetacentric and three subtelocentric pairs. A secondary constriction situated near the centromere was observed in one pair of the medium-sized submetacentric autosomes (approximately the 9th largest pair). The X chromosome was identified as a large metacentric element, the Y chromosome as a medium submetacentric.
Protein / allozyme - Unknown.

ROOST:
Weber and Fahr (2006: 4) indicate that in Guinea *H. jonesi* largely or exclusively depends on the availability of caves as day roosts.

DIET:
In the Kwamang agro-ecosystem in Ghana, E.K. Badu (in Nkrumah *et al.*, 2018: 755) found that the diet of *H. jonesi* consists of nearly 100 % Lepidoptera.

POPULATION:
Structure and Density - This species forms roosts of only a few animals, usually in the dozens rather than hundreds. There is a pronounced geographic morphological variation between populations, suggesting that there may be little movement of animals between populations (Mickleburgh *et al.*, 2008au; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008au; IUCN, 2009).

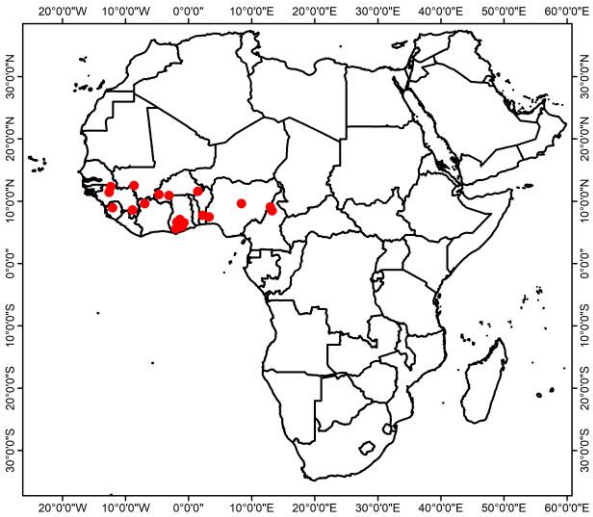

Figure 61. Distribution of *Hipposideros jonesi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Burkina Faso, Cameroon, Côte d'Ivoire, Ghana, Guinea, Liberia, Mali, Nigeria, Senegal, Sierra Leone.

Hipposideros lamottei Brosset, 1985

*1985. *Hipposideros lamottei* Brosset, Mammalia, 48 (4): 548 (for 1984). Publication date: 1985. Type locality: Guinea: Mount Nimba: Pierré Richaud [07 41 N 08 22 W] [Goto Description]. Holotype: MNHN ZM-MO-1984-487: ad ♂. Collected by: André Brosset; collection date: December 1983. Paratype: MHNG ad ♂. Collected by: André Brosset; collection date: December 1983. Paratype: MNHN ZM-MO-1984-488: ad ♂. Collected by: André Brosset; collection date: December 1983. Paratype: MNHN ZM-MO-1984-489: ad ♂. Collected by: André Brosset; collection date: December 1983. (Current Combination)

TAXONOMY:
Simmons (2005: 373) *bicolor* species group. Distinction from *H. ruber* is not entirely clear (Koopman, 1993a: 173; Koopman *et al.*, 1995; Simmons, 2005: 373). Monadjem *et al.* (2013b: 341) state that, morphologically, *H. lamottei* falls within the *caffer/ruber* group.

COMMON NAMES:
Czech: pavrápenec nimbánský. English: Lamotte's Leaf-nosed Bat, Lamotte's Roundleaf Bat, Mount Nimba Leaf-nosed Bat. French: Phyllorine de Lamotte, Phyllorine du Mont Nimba. German: Mount Nimba-Rundblattnase, Lamottes Rundblattnase.

CONSERVATION STATUS:
Global - Listed as Critically Endangered (CE B1ab(I,ii,iii,iv,v)+2ab(I,ii,iii,iv,v) ver 3.1 (2001)) because its extent of occurrence is probably less than 100 km^2 and its area of occupancy (cave roosting sites) is likely to be less than 10 km^2, all individuals are in a single location (Mount Nimba), and there is continuing decline in the extent and quality of its habitat (Mickleburgh *et al.*, 2008av; IUCN, 2009).
Kouame *et al.* (2012: 2748) indicate that *H. lamottei* is a highly threatened species, which only

occurs in one single KBA [= Key Biodiversity Area] in the Upper Guinea Forest: Mount Nimba.
Collen *et al.* (2011: 2616) rank it on position 62 (as only African mainland Chiropteran) out of 100 mammal species requiring urgent conservation attention.

Assessment History -
2008 - CE B1ab(I,ii,iii,iv,v)+2ab(I,ii,iii,iv,v) ver 3.1 (2001) (Mickleburgh *et al.*, 2008av; IUCN, 2009). 2004 - CR B1ab(iii) ver 3.1 (2001) (Mickleburgh *et al.*, 2004bs; IUCN, 2004). 1996 - DD (Baillie and Groombridge, 1996).

MAJOR THREATS:
The species is believed to be highly threatened because of extensive iron ore mining activities underway, and planned, within its limited range on Mount Nimba. It is probably additionally threatened by general deforestation in parts of its range. Indiscriminate subsistence hunting of bats for food occurs in caves on Mount Nimba and likely impacts this species (Mickleburgh *et al.*, 2008av; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008av) [in IUCN (2009)] report that it is present within the Mount Nimba Strict Nature Reserve World Heritage Site. There is a need to enforce the protection of this area. Additional surveys are needed to learn more about the distribution, natural history and threats to this species.

GENERAL DISTRIBUTION:
Known only from Mt. Nimba on Guinea-Liberia border, but probably more widespread. However, Fahr (2007a: 104) and Decher and Fahr (2007: 5) indicate that specimens from Liberia, Ghana, Sierra Leone and Cameroon (mentioned by Koopman *et al.*, 1995 and Grubb *et al.*, 1998) were re-identified as belonging to *H. caffer*. They restrict the distribution of *lamottei* to the Guinean side of Mt. Nimba. It has been recorded between 500 and 1,400 m asl.

Native: Guinea (Brosset, 1985; Denys *et al.*, 2013: 284).

ECHOLOCATION:
Monadjem *et al.* (2013b: 351) report a F_{max} of 119.0 (118 - 120) kHz for two specimens from Mount Nimba.

POPULATION:
Structure and Density - Only six specimens are currently known from two localities (Mickleburgh *et al.*, 2008av; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008av; IUCN, 2009).

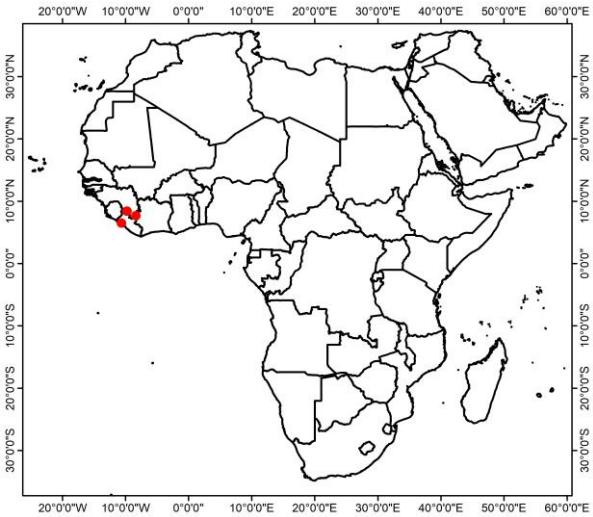

Figure 62. Distribution of *Hipposideros lamottei*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Guinea, Liberia.

Hipposideros marisae Aellen, 1954

*1954. *Hipposideros marisae* Aellen, Rev. suisse Zool., 61 (24): 474. Type locality: Côte d'Ivoire: Duékoué: White Leopard Rock [Goto Description]. Holotype: [Unknown] ad ♂. Collection date: 13 May 1953; original number: 400. See Aellen (1954: 474). - Comments: Type locality original: roche de la Panthère Blanche. - Etymology: In honour of Mrs. Aellen (Aellen, 1954: 474). (Current Combination)

TAXONOMY:
Simmons (2005: 374) as part of the *bicolor* species group. Monadjem *et al.* (2013b: 346) indicate that *H. marisae* is a sistergroup to *H. jonesi*.

COMMON NAMES:
Czech: pavrápenec Aellenův. English: Marisa's Leaf-nosed Bat, Aellen's Leaf-nosed Bat, Aellen's Roundleaf Bat. French: Phyllorine d'Aellen. German: Marisas Rundblattnase.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU B2b(ii,iii,iv,v) ver 3.1 (2001)) because its area of occupancy is probably less than 2,000 km^2, its distribution is possibly severely fragmented (roosting sites), there is continuing decline in the quality of its cave habitats (through disturbance), and there is likely

to be a corresponding decline in subpopulations and individuals (with over hunting likely at some colonies) (Mickleburgh *et al.*, 2008aw; IUCN, 2009).

Assessment History -
2008 - VU B2b(ii,iii,iv,v) ver 3.1 (2001) (Mickleburgh *et al.*, 2008aw; IUCN, 2009). 2004 - EN A4c ver 3.1 (2001) (Mickleburgh *et al.*, 2004bt; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
The species is threatened by general deforestation, mining operations on Mount Nimba and the disturbance of roosting caves. It is likely harvested for subsistence use as food (Mickleburgh *et al.*, 2008aw; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008aw) [in IUCN (2009)] report that it is present within the Mount Nimba Strict Nature Reserve World Heritage Site. There is a need to protect important roost sites and areas of suitable forest habitat. Further studies are needed into the distribution of this species.

GENERAL DISTRIBUTION:
This West African species has been recorded from seven localities in Guinea, Liberia (central and western uplands), and Côte d'Ivoire. It may range into Sierra Leone and Ghana. However, there are no records from these countries (Grubb *et al.*, 1998). It is a lowland species recorded between sea level and 650 m asl.

Native: Côte d'Ivoire (Aellen, 1954); Guinea; Liberia (Kuhn, 1965; Hill, 1982a; Wolton *et al.*, 1982; Koopman *et al.*, 1995; Monadjem and Fahr, 2007: 53).
Presence uncertain: Ghana; Sierra Leone.

ECHOLOCATION:
Monadjem *et al.* (2013b: 351) report F_{max} to be 146.0 kHz at Mount Nimba.

POPULATION:
Structure and Density - It is generally considered to be a very rare species (Mickleburgh *et al.*, 2008aw; IUCN, 2009). Monadjem *et al.* (2013b: 342) state that this species has not been captured nor seen since 1990.

Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008aw; IUCN, 2009).

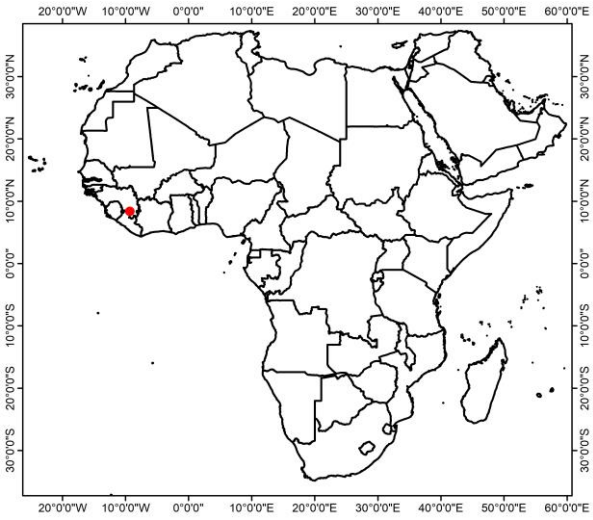

Figure 63. Distribution of *Hipposideros marisae*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Côte d'Ivoire, Guinea, Liberia.

Hipposideros megalotis (Heuglin, 1861)

*1861. *Phyllorrhina megalotis* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 29 (8): 4, 8. Publication date: 1861. Type locality: Eritrea: Bogos country [=Keren region] [ca. 15 45 N 38 20 E] [Goto Description]. Holotype: SMNS 984: ad ♂, skull and alcoholic. Collected by: Martin Theodor von Heuglin; collection date: 1861. see: Dieterlen *et al.* (2013: 294). - Comments: Type specimen: SMNS, ???. Horácek *et al.* (2000: 98) mention "Monatsber. Königl. Preuss. Akad. Wiss. Berlin: 329". Nancy Simmons (pers. comm.) checked this and rejected this reference. - Etymology: From the Greek adjective "*μέγα*" (méga), meaning "big" and the neuter Greek substantive "*οὖς*" (genitive "*ὠτός*", "*ûs*", "*ōtós*"), meaning "ear" referring to the large ears of the species (see Lanza *et al.*, 2015: 145).
? *Hipposideros megalotis:* (Name Combination, Current Combination)

TAXONOMY:
Placed in the subgenus *Syndesmotis* by Legendre (1982), Gaucher and Brosset (1990) and Horácek *et al.* (2000: 98) include it with a question mark). Horácek *et al.* (2000: 98) as part of the *megalotis* species group, followed by Simmons (2005: 374).

COMMON NAMES:
Czech: pavrápenec ušatý. English: Large-eared Leaf-nosed Bat, Ethiopian Large-eared Leaf-nosed Bat, Ethiopian Large-eared Roundleaf Bat, Big-eared leaf-nosed bat. French: Phyllorine à

grandes oreilles d'Ethiopie, Phyllorine à grandes oreilles. German: Großohr-Rundblattnase. Italian: Ipposìdero orecchiùto.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) because, although it is seldom recorded, it has a relatively wide distribution, is tolerant of a range of habitats, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008ax; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008ax; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004bu; IUCN, 2004). 2000 - LR/nt (Hilton-Taylor, 2000). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species remain poorly known. Its is suspected to be threatened by habitat loss resulting from the conversion of land to agricultural use, and by disturbance of roosting sites (Mickleburgh *et al.*, 2008ax; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ax) [in IUCN (2009)] report that there are no direct conservation measures in place for this species. It is not known if the species is present in any protected areas. Additional studies are needed into the distribution, abundance, general ecology and threats to this little-known species.

GENERAL DISTRIBUTION:
Hipposideros megalotis has been reported from Eritrea (including the type locality of Keren (Heuglin, 1861)), Ethiopia (including Sidamo in southern Ethiopia (Hayman and Hill, 1971)), Kenya (where it has been recorded from the localities of Kinangop and Nakuru (Hayman, 1954)), Somalia, Djibouti (Heuglin, 1861; Pearch *et al.*, 2001) and from Jeddah in Saudi Arabia (Gaucher and Brosset, 1990). It has been reported at elevations of up to 2,000 m asl.

Native: Djibouti (Heuglin, 1861; Pearch *et al.*, 2001); Eritrea (Heuglin, 1861); Ethiopia (Hayman and Hill, 1971); Kenya (Hayman, 1954); Saudi Arabia (Gaucher and Brosset, 1990).
Presence uncertain: Somalia (Senna, 1905).

POPULATION:
Structure and Density - Little is known about the population of this species. Very few animals have ever been recorded (Mickleburgh *et al.*, 2008ax; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008ax; IUCN, 2009).

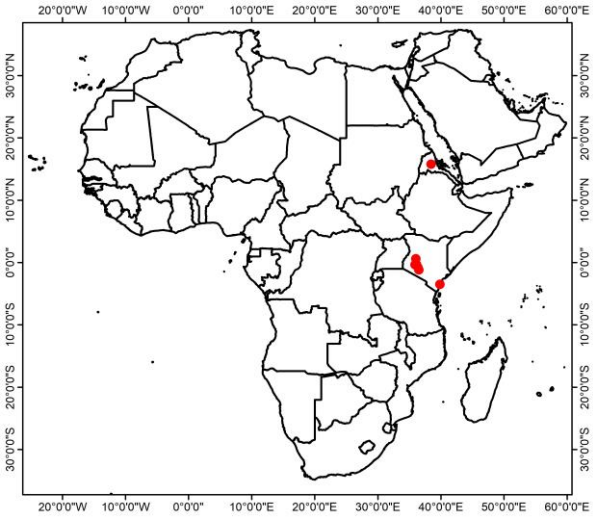

Figure 64. Distribution of *Hipposideros megalotis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Eritrea, Ethiopia, Kenya.

Hipposideros ruber (Noack, 1893)

*1893. *Phyllorhina rubra* Noack, Zool. Jahrb. Abt. Syst. Oekol. Geogr. Tiere, 7: 586, pl. 18, fig. 14, 15. Publication date: 23 December 1893. Type locality: Tanzania: Eastern province: Ngerengere River [ca 07 00 S 38 00 E]. Holotype: ZMB 89571: skin only. Collected by: Dr. Emin Pasha; collection date: 20 May 1890. Formerly Noack collection number 5, see Turni and Kock (2008: 38). Holotype: ZMB no number: skin only. Collected by: Dr. Emin Pasha; collection date: 20 May 1890. Formerly Noack collection number 5; see Turni and Kock (2008: 38). - Comments: Allen (1939a: 81) mentioned the type locality as "Lugerrunjere Fluss, Tanganyika Territory". Grubb *et al.* (1998: 80) mention the type locality as "Lugerrunjere Fluss = Ngerengere River, Tanzania - probably Ngerengere village, 32 miles east of Morogor according to Swynnerton, 1945, Proc. Zool. Soc. Lond., 115: 69". - Etymology: From the Latin "*ruber*" meaning red.

1906. *Hipposiderus caffer centralis* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 17 (99): 275, 277. Publication date: 1 March 1906. Type locality: Uganda: Entebbe [Ntebbi] [00 04 N 32 28 E, 3 800 ft] [Goto Description]. Holotype: BMNH 1899.8.4.8: ad ♂, skin only. Collection date: 5 April 1893. Presented/Donated by: Sir Frederic John Jackson.

1906. *Hipposiderus caffer guineensis* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 17 (99): 275,

278. Publication date: 1 March 1906. Type locality: Gabon: 70 mi (105 km) from Gaboon: Como River [ca. sea level] [Goto Description]. Holotype: BMNH 1897.12.1.11: ad ♀, skin only. Collected by: George Latimer Bates Esq. Collection date: 3 June 1897; original number: GLB 215. Note: caught under large rock, Fang name- Otan. - Comments: Considered a valid subspecies by Grubb *et al.* (1998: 80).

1917. *Hipposideros caffer niapu* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 431. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): NE Congo: Niapu [02 25 N 26 28 E] [Goto Description]. Holotype: AMNH 49414: ad ♂, skull and alcoholic. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 27 January 1914; original number: 2322. Topotype: MCZ 17224: ♂, alcoholic (skull not removed). Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 27 February 1914.

2016. *Hipposideros aff. ruber:* Nkrumah, Vallo, Klose, Ripperger, Badu, Drosten, Kalko, Tschapka and Oppong, Acta Chiropt., 18 (1): 239. Publication date: June 2016. - Comments: Nkrumah *et al.* (2016b: 3) indicate that this is the same form as "*H. ruber* lineage D from Vallo *et al.* (2009: 196), and which is evolutionarily distant to *Hipposideros ruber* s. str. from East Africa. (Name Combination)

2018. *H[ipposideros] rubber:* Malekani, Musaba, Gembu, Bugentho, Toengaho, Badjedjea, Ngabu, Mutombo, Laudisoit, Ewango, Van Cakenberghe, Verheyen, Asimonyo, Masudi, Bongo and Ngbolua, Nat. Conserv. Res., 3 (1): 67. Publication date: January 2018. (Lapsus)

2018. *Hip[posideros] caffer rufer:* Bourgarel, Pfukenyi, Boué, Talignani, Chiweshe, Diop, Caron, Matope, Missé and Liégeois, Infec. Gen. Evol., 58: 255. Publication date: 10 January 2018. (Lapsus)

? *Hipposideros caffer guineensis:*

? *Hipposideros caffer ruber:* (Name Combination)

? *Hipposideros ruber centralis:* (Name Combination)

? *Hipposideros ruber guineensis:* (Name Combination)

? *Hipposideros ruber niapu:* (Name Combination)

? *Hipposideros ruber ruber:* (Name Combination)

? *Hipposideros ruber:* (Name Combination, Current Combination)

TAXONOMY:

Simmons (2005: 376) recognised it as part of the *bicolor* species group, and indicated that the subspecies limits are problematic, and it possible that this species complex includes more than one species. Vallo *et al.* (2007: 257; 2009: 193) indicate that two sympatric lineages exist in *ruber* based on analysis of complete sequences of the mitochondrial gene for cytochrome *b*, with possibly a third form in West Africa. Mitochondrial DNA analyses on specimens from the Niokolo Koba National Park in Senegal indicated that two distinct lineages of *H.* aff. *ruber* exists in that area (Vallo *et al.*, 2011b: 84).

Decher *et al.* (2016: 265) indicate that they provisionally include all Simandou records (Guinea), previously named *H. caffer* or *H. ruber* in *H.* cf. *ruber*.

Nkrumah *et al.* (2016a: 240) used *H.* aff. *ruber* for their Ghanaian specimen as their cytochrome *b* genotype belongs to the D lineage, which is rather distant from *H. ruber* s.s. from East Africa. Nkrumah *et al.* (2017: 348) assigned their Ghanaian bats to *H.* cf. *ruber* as these include multiple genetic lineages.

COMMON NAMES:

English: Noack's Leaf-nosed Bat, Noack's Roundleaf Bat, Red Leaf-nosed Bat. French: Phyllorine rouge, Phyllorine de Noack. German: Noacks Rundblattnase.

CONSERVATION STATUS:

Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008ay; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008ay; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004bv; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:

The species is locally threatened by the loss and conversion of suitable habitat. It is also threatened in parts of its range by collection for subsistence use (Mickleburgh *et al.*, 2008ay; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ay) [in IUCN (2009)] report that in view of its wide range it seems likely that the species is present in a number of protected areas. It has been recorded from the Manga Forest Reserve of Tanzania (Doggart *et al.*, 1999b). No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Hipposideros ruber is a widespread species recorded throughout much of West, Central, and East Africa and part of southern Africa including Angola, southern Democratic Republic of the Congo, northern and eastern Zambia, southern Malawi and northwestern Mozambique. It is found between sea level and 2,300 m asl.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 625,018 km^2.

Native: Angola (Hayman, 1963; Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 538); Benin; Burkina Faso (Kangoyé *et al.*, 2015a 608); Burundi (Hayman *et al.*, 1966); Cameroon; Central African Republic (Lunde *et al.*, 2001: 537); Chad; Congo (Bates *et al.*, 2013: 318 - 1st authenticated records); Congo (The Democratic Republic of the) (Allen, 1917; Römer, 1862; Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 538) ; Côte d'Ivoire; Equatorial Guinea; Ethiopia; Gabon; Gambia (Emms and Barnett, 2005: 50); Ghana (Decher and Fahr, 2007: 13 - 15); Guinea (Fahr and Ebigbo, 2003: 128; Denys *et al.*, 2013: 283; Decher *et al.*, 2016: 265 mention it as "*Hipposideros cf. ruber*"; Weber and Fahr, 2007); Guinea-Bissau; Kenya; Liberia (Monadjem and Fahr, 2007: 50); Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 538); Mali; Mozambique (Monadjem *et al.*, 2010d: 538; Monadjem *et al.*, 2010c: 381); Niger; Nigeria (Happold, 1987; Rwanda (Hayman *et al.*, 1966); Saõ Tomé (Rainho *et al.*, 2010a: 28); Senegal; Sierra Leone; Sudan; Tanzania , United Republic of (Cunneyworth, 1996b; Doggart *et al.*, 1999b); Togo; Uganda (Kityo and Kerbis, 1996: 61); Zambia (Monadjem *et al.*, 2010d: 538).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Lucati and López-Baucells (2016: Suppl.) report on five albino and nine piebald (all-white fur/skin patches, eyes always normally coloured) specimens from mines in Tanzania (Howell and Mainoya, 1974: 155; Howell, 1980).

ECHOLOCATION:
From Irangi (Kivu province, DRC), Heller (1992: 75) reported that *H. ruber* emitted calls with frequencies between 130 and 140 kHz, distinguishing them from *H. caffer*, which emitted calls at a higher frequency.

Fahr and Ebigbo (2003) reported for an individual of *H* cf. *ruber* from the Simandou Range in southeastern Guinea a CF-component of 146.7 kHz. At Sengwa in Zimbabwe, Jacobs (1996) and Fenton and Bell (1981) reported a highest frequency of 138 kHz. Monadjem *et al.* (2010c: 378) reported from Mozambique that the peak echolocation frequencies ranged between 132 - 136 kHz (ANABAT) and 130.5 kHz (Petterson D240x). Rainho *et al.* (2010a: 21) report the call parameters from Saõ Tomé Island.

Monadjem *et al.* (2013b: 351) report on two lineages of *H.* cf. *ruber* from Mount Nimba: C1 with a F_{max} of 147.7 ± 1.45 (145 - 150) Khz, and E1 with F_{max} of 127.5 (127 - 128) kHz.
Jones and Siemers (2010: 449 - 450) indicated that males emit pulses with a higher frequency than females, and that the CF-frequency is positively related to the body condition (mass/forearm length).

Trentin and Rovero (2011: 56) describe the call from bats at Uzungwa Scarp Forest Reserve, Tanzania, as having a first modulated component starting at 143.9 kHz, which increases to a maximum frequency of 148.6 kHz, which continues for about 7 msecs, and then drops to 121.4 kHz in about 1 msec. The maximum intensity is at 144.8 kHz.

MOLECULAR BIOLOGY:
DNA - Lim (2007), Vallo *et al.* (2007).
Karyotype - Koubínová *et al.* (2010b) report on seven females from Senegal, 2*n*= 32, Fna= 60 and FN= 64, they comprised 30 biarmed autosomes, including four metacentric, eight submetacentric and three subtelocentric, eight submetacentric and three subtelocentric pairs, a secondary constriction situated near the centromere was observed in one pair of the medium-sized submetacentric autosomes (approximately the 9th largest pair). The X chromosome was identified as a large metacentric element, the Y chromosome as a medium submetacentric.
Denys *et al.* (2013: 284) report the following karyotype for a male *H.* cf. *ruber* from the Guinean Mount Nimba area: 2*n* = 32, FNa =60, including 15 pairs of meta- and submetacentric chromosomes. The X chromosome is middle-sized submetacentric and the Y chromosome is small subtelocentric.

Protein / allozyme - Unknown.

HABITAT:
In Ghana, Nkrumah *et al.* (2016b: 5) reported *H.*

aff. *ruber* to prefer foraging in seminatural habitats, followed by mixed farm areas, and, to a much lesser extent, tree farms and savanna grasslands.

HABITS:
Russo *et al.* (2010b: 701) report *H. ruber* to be diurnally active on the island of São Tomé, and indicate that adult males were much more active during the daytime than females, whereas during the night the opposite was true, possibly leading to a temporal niche partitioning. Russo *et al.* (2010a: 271) indicate that about one fifth of a colony may be out during daytime, also due to the absence of forest-dwelling avian predators.

In Ghana, Nkrumah *et al.* (2016a: 239) found that during the night, males of *H.* aff. *ruber* returned more often to their cave roosts than females. Based on that data for 13 bats, they calculated the bat's homerange as 36 ± 35 (6 - 95) ha. The foraging range covered 50 % of this and the core area 2 %. Nkrumah *et al.* (2016b: 6) found that females had a night activity pattern that peaks between 6 and 8 p.m., with a smaller peak around midnight and another peak between 5 and 6 a.m. In between the flight duration dropped to almost zero. In males, the activity peaked around 8 p.m., midnight and between 4 and 5 a.m. However, their activity in the first part of the night did only decrease by a maximum of 10 minutes. Nkrumah *et al.* (2017: 350) found that activity patters of the bats differed from cave to cave.

ROOST:
Weber and Fahr (2006: 4) indicate that *H. ruber* largely or exclusively depends on the availability of caves as day roosts in Guinea.

In Ghana, Nkrumah *et al.* (2016a: 239) found that caves were used as main roost, but that *H.* aff. *ruber* also used trees as individual night roosts. In the Mframabuom cave, the roost contained some 3,500 individuals (together with *H. abae, H. jonesi* and *Nycteris* cf. *thebaica*).

DIET:
Nkrumah *et al.* (2017: 353) reports that *H.* cf. *ruber* feeds primarlily on Lepidoptera in Ghana.

POPULATION:
Structure and Density - This is one of the most common bats in Africa, with some colonies containing up to 500,000 individuals (Mickleburgh *et al.*, 2008ay; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008ay; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Trentin and Rovero (2011: 50) captured nine lactating and two pregnant females in December 2005 at Uzungwa Scarp Forest Reserve, Tanzania.

In Kwamang (Ghana), the bats gave birth from late March to early May (Nkrumah *et al.*, 2017: 348).

PARASITES:
Peralta-Rodríguez *et al.* (2012: 1006) report on the infection of *H. ruber* by *Spirura hipposiderosi* Khalil, 1975 (Nematode) in Tanzania.

Decher *et al.* (2016: 266) found the bat fly *Penicillida allison* Theodor, 1968 (Nycteribiidae) on a Guinean "*H.* cf. *ruber*".

VIRUSES:
Bunyaviridae
Hantavirus
Witkowski *et al.* (2016: 113) report a new hantavirus from Gabon: Makokou virus (MAKV).

Coronaviridae - Coronaviruses
SARS-CoV - See also note under "viruses" for the genus as possiblitiy.
Corman *et al.* (2015: 11859) tested 1,611 Ghanese *H.* cf. *ruber* specimens, of which 62 (3.8 %) tested positive for 229E-related coronavirsues.
Anthony *et al.* (2017b: Suppl.) mention the beta-coronavirus Predict_CoV_20.
Willoughby *et al.* (2017: Suppl.) report Human coronavirus 229E.

Hepadnaviridiae
Hepatitis B virus (HBV)
Drexler *et al.* (2013c: 16152) report on four out of 51 examined *H.* cf. *ruber* specimens from Gabon that were positive for roudnleaf bat HBV (RBHBV).

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) reported that two of the 117 specimens they identified as belonging to *H.* cf. *ruber* from Ghana tested positive for *Morbillivirus*. Two of the 337 specimens from Gabon, they identified as *H.* cf. *caffer/ruber* also tested positive for *Morbillivirus* and one other specimen for *Rubulavirus*.

In their overview table, Maganga *et al.* (2014a: 8) report the following viruses were already found on *H.* cf. *ruber*: Rift Valley Fever virus (RVF), Rubulavirus, Morbillivirus unclassified, Coronavirus.

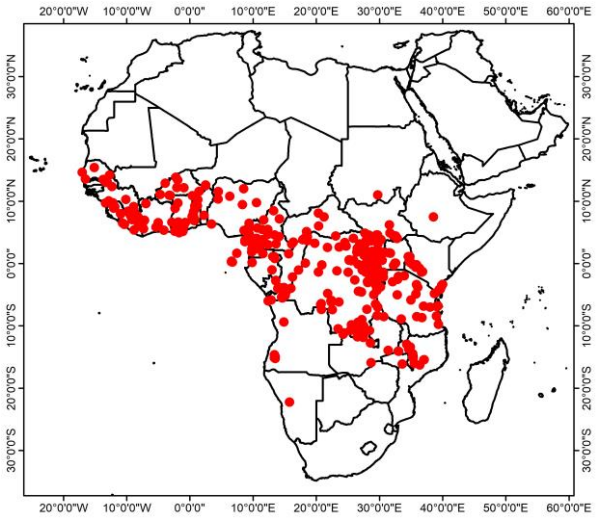

Figure 65. Distribution of *Hipposideros ruber*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Malawi, Mali, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Principé, Senegal, Sierra Leone, South Sudan, Sudan, Tanzania, The Gambia, Togo, Uganda, Zambia.

Hipposideros tephrus (Cabrera, 1906)

1861. *Phyllorrhina bicornis* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 29 (8): 4, 7. Publication date: 1861. Type locality: Eritrea: Kérén region [ca. 15 45 N 38 20 E] [Goto Description]. Lectotype: ZMB 2795: ♂, skull and alcoholic. Collected by: Martin Theodor von Heuglin; collection date: undated. Formerly in SMNS. Lectotype designated by Turni and Kock (2008: 36). - Comments: Meester *et al.* (1986: 43) and Turni and Kock (2008:36) mentioned it as *Phyllorhina bicornis*.

*1906. *Hipposiderus tephrus* Cabrera, Bol. r. Soc. espan. Hist. nat. , 6: 358. Publication date: June 1906. Type locality: Morocco: Mogador [=Essaouira] [31 31 N 09 46 W]. Holotype: MNCN 110: ad ♂. Collected by: Mr. Martínez de la Escalera; collection date: 29 August 1905. See Ibáñez and Fernández (1989: 11). Paratype: MNCN 111: ad ♀. See Ibáñez and Fernández (1989: 11). (Current Combination)

1939. *Hipposideros braima* Monard, Arq. Mus. Bocage, 10: 73, fig. 5. Publication date: March 1939. Type locality: Guinea-Bissau: Bagíngarà [12 35 N 14 28 W] [Goto Description]. Holotype: [Unknown] ad ♀. Original number: 602. See Monard (1939: 73).

1965. *Hipposideros braimah:* Rosevear, Bats of West Africa, 221, 226. - Comments: Lapsus for braima Monard, 1939 (see Kock, 1969a: 130).

2014. *Hipposideros (caffer) tephrus:* Moores and Brown, Go-South Bull., 11: 19. (Name Combination)

? *Hipposideros caffer tephrus:*

? *Hipposideros tephrus:* (Name Combination, Current Spelling)

TAXONOMY:
Hayman and Hill (1971) and Simmons (2005: 376) recognised it as a subspecies of *caffer*. Vallo *et al.* (2009: 200) suggest that this taxon is elevated to species rank based on the genetic distance, the small size and the wide geographical separation from South-African true *Hipposideros caffer*.

COMMON NAMES:
Czech: pavrápenec sahelský. Dutch: Cabrera's rondbladneus. English: Lesser leaf-nosed bat, Lesser (Sundevall's) Leaf-nosed Bat. French: Phyllorine cendrée, Rhinolophe de Cafrerie. German: Marokkanische Rundblattnase.

GENERAL DISTRIBUTION:
Morocco to Senegal, and Yemen (Vallo *et al.*, 2009; Benda *et al.*, 2011b: 29). *H. tephrus* is confined to the coastal areas of northern Morocco. Probably Mauritania (Padial and Ibáñez, 2005: 240); Ethiopia (Lavrenchenko *et al.*, 2004b: 133); SW Saudi Arabia. Possibly Gambia (Emms and Barnett, 2005: 50), Guinea (Fahr and Ebigbo, 2003: 128, as "*Hipposideros* cf. *caffer*"), Benin (Capo-Chichi *et al.*, 2004: 162), Liberia (Fahr, 2007a: 104).

Native: Burkina Faso (Kangoyé *et al.*, 2015a: 608); Mauritania (Allegrini *et al.*, 2011: 2); Morocco (Disca *et al.*, 2014: 209; Moores and Brown, 2014: 20); Yemen (Benda *et al.*, 2011b: 29).

ECHOLOCATION:
Mayer *et al.* (2007) reported a CF-component of 133 to 137 kHz for Morocccan specimens. See also Jones *et al.* (1993).

Disca *et al.* (2014: 226) indicate that the type of call is FC-FM, with the following parameters: F_{start}: 147.1 ± 1.1 kHz, F_{end}: 128.2 ± 5.4 kHz, F_{peak}: 146.8 ± 1.3 kHz, bandwidth: 19 ± 4.7 kHz, duration: 6.6 ± 1.1 msec. They also mention (p. 213) that the maximum energy is in the FC part of the third harmonic. The start frequency is also at least 10 kHz above the value provided by Dietz et al. (2009).

Moores and Brown (2014: 21) recorded the following values for social calls at Bou Jerif fortress, Morocco: F_{peak}: 46.7 kHz, F_{start}: 55 kHz, F_{end}: 29 kHz, duration: 8 msec.

MOLECULAR BIOLOGY:
DNA - Vallo *et al.* (2009).
Karyotype - Koubínová *et al.* (2010b) report on three females and two males from Senegal, 2*n*= 32, Fna= 60 and FN= 64, they comprised of 30 biarmed autosomes, including four metacentric, eight submetacentric and three subtelocentric pairs. A secondary constriction situated near the centromere was observed in one pair of the medium-sized submetacentric autosomes (approximately the 9th largest pair). The X chromosome was identified as a large metacentric element, the Y chromosome as a medium submetacentric.
Protein / allozyme - Unknown.

PARASITES:
Okafor (1988: 11) reported the presence of the cestode *Oochoristica agamae* Baylis, 1919 (Eucestoda, Linstowiidae) from *H. caffer tephrus* specimens from Nsukka, Nigeria.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Burkina Faso, Côte d'Ivoire, Eritrea, Ethiopia, Ghana, Mali, Mauritania, Morocco, Niger, Nigeria, Senegal, Sierra Leone, South Sudan, Sudan, The Gambia, Uganda.

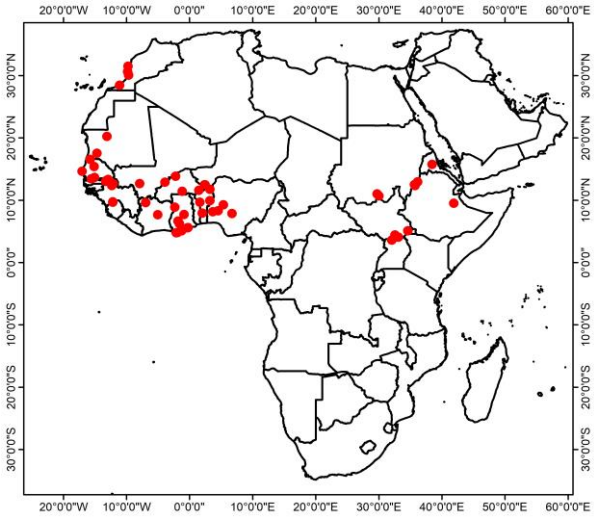

Figure 66. Distribution of *Hipposideros tephrus*

Genus ***Macronycteris*** Gray, 1866

*1866. *Macronycteris* Gray, Proc. zool. Soc. Lond., 1866, I (vi): 82. Publication date: May 1866 [Goto Description]. - Comments: Type species: *Rhinolophus gigas* Wagner, 1845. - Etymology: From the Greek "*μακρός*", meaning large and "*νυκτερις*", meaning bat (see Palmer, 1904: 393).

TAXONOMY:
This taxon was longtime considered to be a synonym of *Hipposideros*, but molecular analyses of Cyt-*b* by Foley *et al.* (2017) indicated that its representatives are sufficiently different from that genus to be assigned to a separate genus.

MOLECULAR BIOLOGY:
Karyotype -
Foley *et al.* (2017: 11) indicate that the karyotype of the genus *Hipposideros* is very conservative, with almost all species having 2*n* = 32. Both *M. commersoni* and *M. gigas*, however, have 2*n* = 52.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa".

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)

*1813. *Rhinolophus Commersonii* E. Geoffroy Saint-Hilaire, Ann. Mus. Hist. nat. Paris, 20: 263, pl. 5. Publication date: 1813. Type locality: Madagascar: Tuléar province: Fort Dauphin [25 02 S 47 00 E] [Goto Description]. Neotype: FMNH 175972: ad ♀, skull and alcoholic. Collected by: Steven M. Goodman; collection date: 9 December 2002; original number: SMG 13401. Type locality: Madagascar: Province de Fianarantsoa, Parc National de l'Isalo, along Sahanafa River, near foot of Bevato Mountain, 28 km south-east of Berenty-Betsileo, 22°19.0'S, 45°17.6'E, 550 m a.s.l. (see Goodman *et al.*, 2016: 437). - Etymology:

Geoffroy's description was based on drawings and notes found among Mr. Philibert Commerson's papers, in who's honour Geoffroy named this species (see Smithers, 1983: 133; Taylor, 2005).

2017. *M[acronycteris] commersonii:* Foley, Goodman, Whelan, Peuchmaille and Teeling, Acta Chiropt., 19 (1): 10. Publication date: June 2017. (Current Combination)

? *Hipposideros commersoni commersoni:* (Name Combination)

? *Hipposideros commersoni:* (Name Combination)

? *Hipposideros sp. cf. H. commersoni:*

TAXONOMY:
Simmons (2005: 369, 372, 377) restricts "*Hipposideros commersoni*" to Madagascar, and assigns "*H. gigas*", "*M. vittatus*" (including *marugensis*) and "*H. thomensis*" as the mainland forms based on morphology and echolocation differences.

A combined molecular and morphological study by Rakotoarivelo *et al.* (2015: 1) indicates that cryptic species exist in Madagascan *M. commersoni*, but also that a further fine-scale phylogeographic study is needed to fully resolve the systematics of this species (see *M. cryptovalorona*).

Goodman *et al.* (2016: 439) point out that the orginal spelling by Geoffroy (1813) was "*Rhinolophus Commersonii*", but that most of the subsequent authors spelled it with only one "i". They refer to article 33.3.1 of the ICZN code to maintain the usage of the single "i" version.

COMMON NAMES:
Afrikaans: Commerson se bladneusvlermuis, Commerson-bladneusvlermuis, Commersonse Blaarneusvlermuis. Czech: pavrápenec Commersonův. English: Commerson's Leaf-nosed Bat, Giant Leaf-nosed Bat, Commerson's roundleaf bat, Commerson's Rhinolph. French: Chauve-souris de Commerson à nez feuillu, Phyllorine de Commerson. German: Madagaskar-Rundblattnase, Riesen-Rundblattnase, Marungu-Rundblattnase. Portuguese: Morcego de nariz enfolhado de commerson.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Sabatier and Legendre (1985: 23) reported the presence of *M. commersoni* (and *Hipposideros* sp.) in the Tsimanampetsotsa deposit.
Samonds (2007: 45 - 46, 58 - 60) found samples in deposit (OLD SE locality) dated at 10,000 yrs old or younger and deposit (SS2) which was collected from the surface near the main cave entrance, the dating attemps revealed that this sample was contaminated, therefore no date is known, these two sites identified specimens belonging to *M.* sp. cf. *commersoni*. Samonds (2007: 54 - 55) also found *M. commersoni* within the deposit (NCC-1 locality) dating at 69,000 to 86,800 years old, from within the Anjohibe cave, Madagascar.
Gunnell *et al.* (2014: 3) refer to Goodman and Junkers (2013), who report on fossil material from the Andrahomana cave in Madagascar.

CONSERVATION STATUS:
Global - This species is listed [as *Hipposideros commersoni*] as Near Threatened (NT ver 3.1 (2001)) in view of the significant threat from hunting in the west, which is likely to have resulted in a decline in the region of 20 - 25 % over the past 15 years. Almost qualifies as threatened under criterion A. However, as this species is generally widespread across Madagascar, occurs both in and outside a number of protected areas, and has an ability to tolerate some degree of habitat modification, it is unlikely to be declining fast enough to warrant listing in a threatened category (Andriafidison *et al.*, 2008d; IUCN, 2009).

Assessment History -
2008 - NT ver 3.1 (2001) (Andriafidison *et al.*, 2008d; IUCN, 2009). 2004 - Not assessed (IUCN, 2004).

MAJOR THREATS:
Andriafidison *et al.* (2008d) state that besides habitat loss, it is also threatened by hunting and is particularly vulnerable at roosting sites where bats are hunted as they emerge at dusk (Goodman *et al.*, 2008d; Jenkins and Racey, 2008). It can be legally hunted on between the first of February and the first of May (Anonymus, 2007b: 6). In the extreme south-west of Madagascar, there were an estimated 140,000 individuals harvested for food annually between January and March (Goodman, 2006). This hunting is thought to occur throughout western Madagascar in areas where local people live in close proximity to roosting colonies (Jenkins and Racey, 2008).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008d) report that this species occurs in a number of protected areas as well as other forest areas that are actively managed for conservation (Goodman *et al.*, 2005a; Rakotoarivelo and Randrianandrianina, 2007; Ranivo and Goodman, 2007b).

GENERAL DISTRIBUTION:
Madagascar; adjacent small islands.

GEOGRAPHIC VARIATION:
Ranivo and Goodman (2007b: 48) indicate that there is a clinal variation in *commersoni* on Madagascar, where the individuals from the north are larger than those from the south. In the Isalo region, both sizes were found together, which might indicate that there are two cryptic species.

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 56) reported that the baculum of *commersoni* has a bifurcated distal tip, a straight central shaft and a basal portion that is narrower than the distal part; length: 3.73 ± 0.540 (3.00 - 4.52) mm, width: 1.92 ± 0.330 (1.48 - 2.41) mm. In the bat's clades (sensu Rakotoarivelo *et al.*, 2015), they found two morphotypes with some slight differences: Morphotype A/Clade B: distinct bicurcated distal tip, sometimes with an indentation; length: 3.77 ± 0.545 (3.00 - 4.52) mm, width: 1.94 ± 0.325 (1.50 - 2.41) mm; Morphotype B/Clade C: "This same structure is also found in certain animals allocated to Clade C, with the exception of two" (unfortunately, without further details); length: 3.05, 3.37 mm, width: 1.48, 1.69 mm.

ECHOLOCATION:
In Madagascar Russ *et al.* (2001) recorded a constant-frequency of 64 kHz. Kofoky *et al.* (2009: 379) reported the calls of 28 individuals from six different sites in Madagascar, which produced narrowband and long CF calls which terminate with brief FM elements with a high duty cycle (31.2 %) and maximum energy at about 66.6 kHz. The calls consisted of a maximum of three harmonics most energy in the fundamental or second harmonic.

Ramasindrazana *et al.* (2015b: 85) reported a sexual dimorphism in bats from the western half of Madagascar. In males, the average forearm length was 93.1 mm and they emitted calls at 68.6 kHz. In females, the average forearm length was 83.9 mm and their calls were at 72.9 kHz. They also found that females from the far northern part of the island (Ankarana) emitted calls that were much lower than expected from size.

MOLECULAR BIOLOGY:
DNA - Unknown.

Karyotype - 2N = 52 and FN = 60, containing one large metacentric, a medium-sized submetacentric, three pairs of medium-to-small-sized metacentrics. The others are acrocentric. The X chromosome is a large sub-metacentric one and the Y an acrocentric (see Richards *et al.*, 2016d: 187, 191).

Protein / allozyme - Unknown.

HABITAT:
Dammhahn and Goodman (2013: 108) indicate that the lower one-half of forest and perhaps partially open areas form the foraging habitat of this species. The home range of males is 31.8 ± 9.2 ha and of females 41.7 ± 12.9 ha (Razafimanahaka *et al.*, 2016: 423).

HABITS:
Bouchard (2001b: 109) mentions that males scent-mark their territories and mates by rubbing them with their glandular areas.

ROOST:
M. commersoni roosts singly in trees at some sites (Jenkins and Racey, 2008). Razafimanahaka *et al.* (2016: 427) found that these roosts are generally on braches of trees (*Uapaca ferruginea* Baill., *Canarium boivinii* Engl., *Diospyros* sp., *Gaertnera* sp. and *Erythroxylum corymbosum* Boivin ex Baill.) with a diameter at breast height of about 8.2 ± 0.7 cm and at 5.4 ± 0.2 m above the ground. *Aucoumea klaineana* Pierre [angouma, gaboon, or okoumé], an introduced tree in plantations, is hardly used by the bats. The mean distance between the roost and the foraging area was 313.9 ± 15.3 m (max: 1.6 km).

DIET:
Razakarivony *et al.* (2005) examined the stomachs of 11 individuals and found that 90 % of the diet were Coleoptera. Rakotoarivelo *et al.* (2007) found *M. commersoni* mainly to consume Coleoptera, but also included large-bodied taxa such as Cicadidae, Lucanidae, and Passalidae.

Rakotondramanana *et al.* (2015: 78) report the following prey items (mean volume percentages ± 1 SD, mean frequency percentages ± 1 SD): Coleoptera (46.6 ± 38.85, 77.7 ± 36.36); Hymenoptera (6.6 ± 11.49, 26.1 ± 40.70); Lepidoptera (8.2 ± 13.34, 26.1 ± 37.85); Isoptera (37.4 ± 40.53, 49.2 ± 48.41); Homoptera (0.9 ± 3.49, 6.7 ± 19.85); Blattoidea (0.2 ± 0.98, 0.2 ± 0.98); Arachnida (0.04 ± 0.20, 0.77 ± 3.92).

PREDATORS:
Goodman *et al.* (1991: 22) reported an almost intact skull in a pellet from the Madagascar Long-eared Owl *Asio madagascariensis*. Additionally, Goodman and Griffiths (2006) found that *M. commersoni* comprised 0.6 % of the total biomass predated by the barn owl (*Tyto alba*).

Mikula *et al.* (2016: Supplemental data) mention the Madagascan serpent eagle (*Eutriorchis astur* (Sharpe, 1875)) as avian diurnal predator.

ACTIVITY AND BEHAVIOUR:
Preliminary observations in Madagascar reveal that foraging behavior of *M. commersoni* involves short hunting flights from night perches (Russ *et al.*, 2003).

REPRODUCTION AND ONTOGENY:
Razafimanahaka *et al.* (2016: 429) recorded flying juveniles in early February and March, which suggests that births take probably place in January. They were also unable to catch females in nets in January, possibly because they were not foraging or because they had moved to materity roosts.

PARASITES:
Gomard *et al.* (2016: 5) reported the presence of *Leptospira* bacteria in 13 out of 27 tested bats (48.1 %).

VIRUSES:
Rhabdoviridae
The serum of one of six bats tested by Mélade *et al.* (2016a: 6) showed a reaction against *Duvenhage lyssavirus*, and one of four against *European bat lyssavirus 1*.

UTILISATION:
Goodman (2006) observed in February 2005, in south-western Madagascar, that local people were extensively hunting *M. commersoni*. This coincided with the onset of famine in the region. Goodman (2006) describes the hunting method used by local inhabitants. In PN d'Ankarafantsika, local people - while collecting forest tubers - occasionally encounter roosting *M. commersoni* which are taken back to the village and eaten (Jenkins and Racey, 2008).
In the villages *M. commersoni* is either roasted over a fire or boiled.
Goodman (2006) concluded that harvest level of *M. commersoni* (ca. 70,000 - 140,000 bats annually) surpasses the likely productivity of the species in the area. Goodman *et al.* (2002) suggested that hunting at the Mitoho Cave in PN de Tsimanampetsotsa may have been the reason *M. commersoni* abandoned the site.
See also Goodman *et al.* (2008d) and Jenkins and Racey (2008).

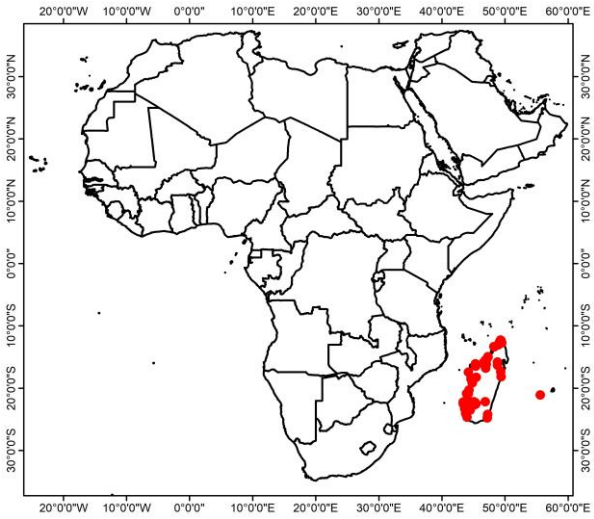

Figure 67. Distribution of *Macronycteris commersoni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Madagascar, Réunion.

Macronycteris cryptovalorona (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)

*2016. *Hipposideros cryptovalorona* Goodman, Schoeman, Rakotoarivelo and Willows-Munro, Zool. J. Linn. Soc., 177 (2):428, 443. Publication date: 20 May 2016. Type locality: Madagascar: Fianarantsoa province: Parc National de l'Isalo, along Sahanafa River, near foot of Bevato: Berenty-Betsileo, 28 km SE [22 19.0 S 45 17.6 E, 550 m] [Goto Description]. Holotype: FMNH 175970: ad ♀, skull and alcoholic. Collected by: Steven M. Goodman; collection date: 9 December 2002; original number: SMG 13399. Type locality: Madagascar: Province de Fianarantsoa, Parc National de l'Isalo, along Sahanafa River, near foot of Bevato, 28 km south-east of Berenty-Betsileo, 22°19.0'S, 45°17.6'E, 550 m a.s.l. Paratype: FMNH 184173: ♀. Collected by: Steven M. Goodman; collection date: February 2005; original number: SMG 14582. - Etymology: The name is derived from the Greek "kryptos", meaning hidden or concealed, and from the Sakalava dialect of Malagasy "valorona", which is the local vernacular name of *Hipposideros* and refers to its distinct nasal structure, and can be translated as "eight nose", referring to the complicated and multiple layers of the nose structure (see Goodman *et al.* (2016: 444).
2017. *M[acronycteris] cryptovalorona* Foley, Goodman, Whelan, Puechmaille and Teeling, Acta Chiropt., 19 (1): 10. Publication date: June 2017. (Current Combination)

TAXONOMY:
Analysing the cyt *b* sequences of 148 Madagascan *M. commersoni* s.l. specimens, Goodman *et al.* (2016: 428) found three well-supported monophyletic clades: A, B, and C. Clades B and C form a monophyletic lineage, which they were

able to refer to *M. commersoni* s.s. Clade A showed a 9 to 11 % sequence variation with *M. commersoni* s.s., enough to warrant a separate species status. This new species is known from two adult females only.

COMMON NAMES:
English: Madagascar cryptic leaf-nosed bat.
French: La Phyllorhine cryptique de Madagascar

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

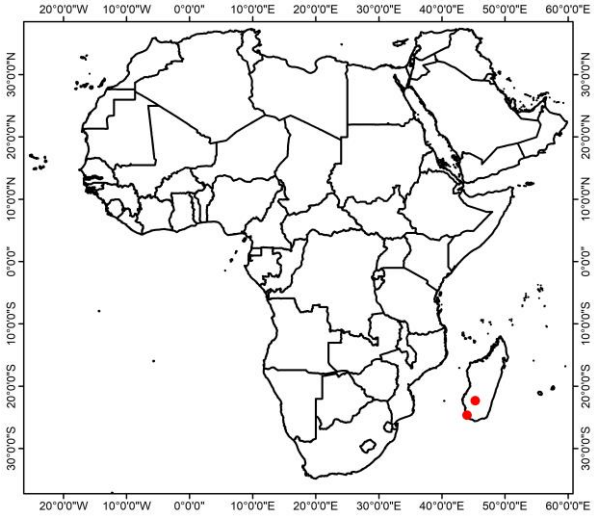

Figure 68. Distribution of *Macronycteris cryptovalorona*

Macronycteris gigas (Wagner, 1845)

*1845. *Rhinolophus gigas* Wagner, Arch. Naturgesch. Berlin, 11 (1): 148. Publication date: 1845. Type locality: Angola: Benguela [12 34 S 13 24 E, 160 m].

1906. *H[ipposiderus]. gigas gambiensis* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 17 (97): 42. Publication date: 1 January 1906. Type locality: The Gambia: "Gambia" [Goto Description]. Holotype: BMNH 1842.9.27.36: ad ♀, alcoholic (skull not removed). Presented/Donated by: 13th Earl of Edward Smith Stanley Derby.

1917. *Hipposideros gigas niangaræ* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 438, pl. 51, fig. 1. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Niangara [03 24 N 27 52 E] [Goto Description]. Holotype: AMNH 49103: ad ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 2 June 1913; original number: 2069.

1939. *Hipposideros gigas viegasi* Monard, Arq. Mus. Bocage, 10: 70. Publication date: March 1939. Type locality: Guinea-Bissau: Madina Boé [11 45 N 14 13 W] [Goto Description]. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 909. Syntype: [Unknown] ♂, skin and skull. Collected by: P. Rigaux; collection date: 9 March 1938; original number: 910. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 911. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 912. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 913. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 914. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 917. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 918. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 919. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 920. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 921. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 922. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 923. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 924. Syntype: [Unknown] ♂, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 926. Syntype: NMBA 5266/9283: ♂. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 915. Syntype: NMBA 5267/9284: ♀. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 908. Syntype: RMCA 15305: ♂, skin and skull. Collected by: Dr. Albert Monard; collection date:

9 March 1938; original number: 925. Syntype: RMCA 15306: ♀, skin and skull. Collected by: Dr. Albert Monard; collection date: 9 March 1938; original number: 916. - Comments: Monard (1939: 70) mentions a series of 19 specimens (nrs 908 to 926 and 14 skulls).

2017. *Macronycteris gigas:* Foley, Goodman, Whelan, Puechmaille and Teeling, Acta Chiropt., 19 (1): 7. Publication date: June 2017. (Current Combination)

? *Hipposideros commersoni gigas:* (Name Combination)

? *Hipposideros commersoni niangarae:*

? *Hipposideros commersoni:* (Name Combination)

? *Hipposideros gigas gigas:* (Name Combination)

? *Hipposideros gigas niangarae:*

? *Hipposideros gigas:* (Name Combination, Current Combination)

? *Hipposideros marungensis marungensis:*

? *Hipposideros marungensis:*

TAXONOMY:

Simmons (2005: 369, 372, 377) restricts "*Hipposideros commersoni*" to Madagascar, and assigns *H. gigas*, *H. vittatus* (including *marugensis*) and *H. thomensis* as the mainland forms based on morphology and echolocation differences. Meester *et al.* (1986) state that Hayman and Hill (1971) note that *marungensis* may be antedated by *vittata* Peters, 1852, from Ibo Island, which is more often regarded as a synonym of the subspecies *gigas* Wagner, 1845 (Allen, 1939a, Ellerman *et al.*, 1953, Hill, 1963a).

The karyotypic studies for the African mainland forms (*M. vittatus* and *M. gigas*) indicate that they share the exact same numbers and forms (Porter *et al.*, 2010); Rautenbach *et al.*, 1993; Koubínová *et al.*, 2010b). Koubínová *et al.* (2010b) suggest that African mainland forms may belong to the same species.

COMMON NAMES:

Afrikaans: Commerson se bladneusvlermuis, Commerson-bladneusvlermuis, Commersonse Blaarneusvlermuis. Czech: pavrápenec obrovský. English: Commerson's Leaf-nosed Bat, Giant Leaf-nosed Bat, Commerson's roundleaf bat, Commerson's Rhinolph. French: Chauve-souris de Commerson à nez feuillu, Phyllorine de Commerson. German: Madagaskar-Rundblattnase, Riesen-Rundblattnase, Marungu-Rundblattnase. Kinande (DRC): Mulima. Portuguese: Morcego de nariz enfolhado de commerson.

GENERAL DISTRIBUTION:

Gambia over Liberia (Monadjem *et al.*, 2016y: 365 as *Hipposideros gigas*), Ghana (Decher and Fahr, 2007: 17 as *Hipposideros gigas*), Benin (Capo-Chichi *et al.*, 2004: 162), Central African Republic (Lunde *et al.*, 2001: 537), Republic of the Congo (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 538 as *H. vittatus*; Bates *et al.*, 2013: 335, as *H. commersoni*) to Ethiopia, south to Angola (Crawford-Cabral, 1989: 17, as *H. c. gigas*; Monadjem *et al.*, 2010d: 538, as *H. gigas* and *H. vittatus*), Zambia (Ansell, 1967; Ansell, 1974; Monadjem *et al.*, 2010d: 538 as *H. vittatus*), Zimbabwe (Monadjem *et al.*, 2010d: 538 as *H. vittatus*), Namibia (Monadjem *et al.*, 2010d: 538 as *H. vittatus*), Botswana (Smithers, 1971; Monadjem *et al.*, 2010d: 538 as *H. vittatus*), Transvaal (South Africa (Monadjem *et al.*, 2010d: 538 as *H. vittatus*), Malawi (Happold *et al.*, 1988; Happold and Happold, 1997b: 818; Monadjem *et al.*, 2010d: 538 as *H. vittatus*) and Mozambique (Monadjem *et al.*, 2010d: 538, Monadjem *et al.*, 2010c: 381 as *H. vittatus*).

Rainho and Ranco (2001: 54) report "*H. Commersoni*" from Guinea-Bissau (see also Peters, 1870; Seabra, 1900c; Monard, 1939; Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992).

DETAILED MORPHOLOGY:

Baculum - Unknown.

Brain - Kruger *et al.* (2010a) describe - based on three brains from Kenya, and using immunohistochemical methods - the nuclear organization of the cholinergic, catecholaminergic and serotonergic systems. Kruger *et al.* (2010b) also describe the distribution of Orexin-A immunoreactive cell bodies and terminal networks.

ECHOLOCATION:

O'Shea and Vaughan (1980) reported an ultrasonic frequency of 155 kHz for Masalani in Kenya. A highest frequency of 62 kHz was recorded at Sengwa in Zimbabwe by Jacobs (1996) and Fenton and Bell (1981), and at Pafuri in South Africa by Aldridge and Rautenbach (1987). Monadjem *et al.* (2010c: 381) reported from Mozambique [as *M. vittatus*] that the peak echolocation frequencies ranged between 64 - 66 kHz (ANABAT). Rainho *et al.* (2010a: 21) report [as *Hipposideros thomensis*] the calls of 10 individuals from Saõ Tomé.

Monadjem *et al.* (2013b: 351) report the F_{max} to be 52.0 ± 0.41 (51 - 53) kHz for four specimens from

Mount Nimba.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported for female individuals with a diplod number of 2*n* = 52, FN = 60?, and BA = 10?. Porter *et al.* (2010) found the same diploid number described by Rautenbach *et al.* (1993) for a single male Gabonese specimen reported as *Hipposideros gigas*, with six pairs of biarmed and 20 pairs of acrocentric chromosomes (including the sex chromosomes). Koubínová *et al.* (2010b) reported for two females from Senegal [as "*Hipposideros gigas*"] a 2*n*= 52, and FNa= 60, supposing the X chromosomes to be (sub)metacentric. The autosomes would then consist of one pair of large metacentrics, two pairs of medium-sized sub-metacentrics, one pair of small submetacentrics, one pair of small metacentrics, and 20 pairs of acrocentrics, the two smallest acrocentric pairs were of a dot-like appearance.
Protein / allozyme - Unknown.

HABITAT:
Monadjem *et al.* (2016y: 365) recorded this species widely in forested and disturbed habitats in the Mount Nimba area, at altitudes between 460 and 1,060 m.

DIET:
Andreas (2010: 266) indicates that there is some proof from Senegal that *M. gigas* might be carnivorous, as was already suggested by Eger and Mitchell (2003) for *M. commersoni*.

REPRODUCTION AND ONTOGENY:
Kurta and Kunz (1987: 82) report that, at birth, the young has about 25.2 % of the mother's body mass (28.0 versus 111.0 g).
Kurta and Kunz (1987: 227) indicate that in Gabon, all adult females (of *M. commersoni*) were pregnant between July and October (with implantation occurring in mid June), and generally gave birth in October. The young is being fed with milk until the beginning of May. The males were in full spermiogenesis by mid April.

PARASITES:
DIPTERA:
Nycteribiidae: *Nycteribia schmidlii scotti* Falcoz, 1923, *Eucampsipoda africana* Theodor, 1955, and *Penicilidia fulvida* Bigot, 1885 (Obame-Nkoghe *et al.*, 2016: 5, Gabon)

Streblidae: *Brachytarsina allaudi* (Falcoz, 1923) (Obame-Nkoghe *et al.*, 2016: 5, Gabon). *Raymondia huberi* Frauenfeld, 1856 group (Obame-Nkoghe *et al.*, 2016: 5, Gabon).

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in "*Hipposideros commersonii*" [as they considered "*H. vittatus*" to be a separate species, the bats probably represent *M. gigas*]: Astroviruses.

Bunyaviridae
Nairovirus
Ishii *et al.* (2014: 2) isolated a new Nairovirus (tentatively called Leopards Hill Virus - LPHV) from a *H. gigas* specimen collected in the Leopards Hill cave in Lusaka, Zambia. In a test on 129 specimens from Gabon, Müller *et al.* (2016: 3) found 32 of them positive for Crimean Congo hemorrhagic fever virus (CCHFV).

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 to 1999, for antibodies for SARS-CoV in sera of 16 individuals from the Oriental Province, DRC. None tested positive (0/16). Tong *et al.* (2009) found coronavirus RNA in this bat, collected in 2006 in Kenya. In Nigeria, Quan *et al.* (2010) screened the gastrointestinal tissue for the presence of coronaviruses by PCRs.

Filoviridae - Filoviruses
Marburgvirus:
Towner *et al.* (2007) reported on one individual [as *Hipposideros gigas*] from Gabon, which they tested for Marburg virus RNA by conventional and real-time RT-PCR and for anti-Marburg virus IgG antibodies by ELISA. The results were negative.

Ebolavirus:
Fiorillo *et al.* (2018: 7) included "*Hipposideros gigas*" in their Ebola distribution model, indicating that there is evidence that suggests their relation with filoviruses infection cases, although they provide no details on this.

Flaviviridae
Pegivirus (BPgV) - 1 out of 5 Nigerian specimens examined by Quan *et al.* (2013: Table S5) was infected by clade K type *Pegivirus*.
Maganga *et al.* (2014a: 5) tested 227 bats from Gabon of which only one tested positive for a *Flavivurus*.

Rhabdoviridae
Lyssavirus - Rabies related viruses:
In Nigeria, Quan *et al.* (2010) did not detect any lyssavirus-specific antigens from the brains by use of direct fluroescent anitbody testing.
Shimoni:
Kuzmin *et al.* (2010a) detected a new lyssavirus, Shimoni bat lyssavirus from the brain of a dead "*H. commersoni*" bat found in the coastal region of Kenya. Genetic distances demonstrated that this

may be a new lyssavirus species.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that two of the 20 specimens they examined from Ghana tested positive for *Morbillivirus*, and one for *Rubulavirus*.

In their overview table, Maganga *et al.* (2014a: 8) report that the following viruses were already found on "*Hipposideros gigas*": Rubulavirus, Morbillivirus unclassified, Flavivirus, Shimoni bat virus, SARS-like CoV

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Niger, Nigeria, São Tomé and Principé, Senegal, Sierra Leone, Tanzania, The Gambia, Togo.

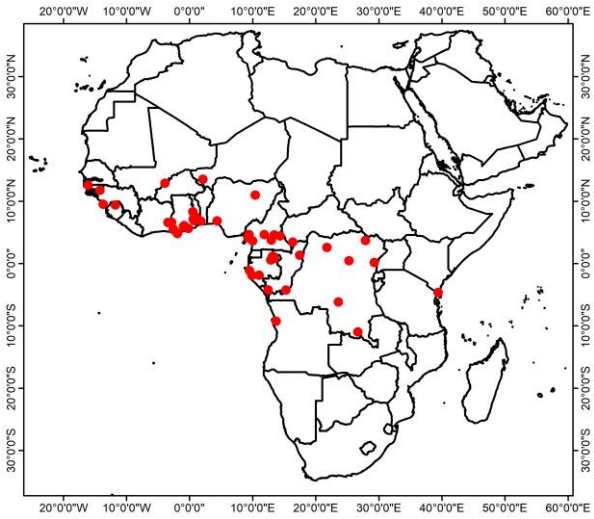

Figure 69. Distribution of *Macronycteris gigas*

Macronycteris vittatus (Peters, 1852)

*1852. *Phyllorrhina vittata* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 32, pl. 6; pl. 13, fig 7 - 13. Publication date: 1852. Type locality: Mozambique: Cap Delgado group [=Querimba islands]: Ibo Island [ca. 12 20 S] [Goto Description]. Syntype: ZMB 363: ♀, alcoholic, skull and skeleton. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008). Syntype: ZMB 37150: ♂, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. Legs and wings missing, see Turni and Kock (2008: 40). - Etymology: From the feminine Latin adjective *vittàta* meaning "striped", referring to the occurrence of dorsal light bands in this species (Lanza *et al.*, 2015 149).

1879. *Phyllorhina commersoni:* Dobson, Proc. zool. Soc. Lond., 1878, IV: 879. Publication date: April 1879.

1887. *Phyllorhina commersonii var. marungensis* Noack, Zool. Jb. Syst., 2 (2): 272, pl. 10, fig. 31 - 33. Publication date: 7 May 1887. Type locality: Congo (Democratic Republic of the): W Shore Lake Tanganyika, Marungu: Qua Mpala [=Mpala / Pala] [06 43 S 29 31 E] [Goto Description]. Syntype: ZMB 6312: ♂, skin and skull. Collected by: Richard Böhm; collection date: 12 July 1883. See Turni and Kock (2008). Syntype: ZMB 86257: skin and skull. Collected by: Richard Böhm; collection date: 12 July 1883. Old number A4269; see Turni and Kock (2008). Syntype: ZMB 86258: skull only. Collected by: Richard Böhm; collection date: 12 July 1883. Old number A4268; see Turni and Kock (2008). Syntype: ZMB 86259: skull only. Collected by: Richard Böhm; collection date: 12 July 1883; original number: A4270. See Turni and Kock (2008). - Comments: Actually, in Noack (1887: 272), the name is mentioned as "*Phyllor hinacommersonii Peters, var. marungensis N.*". Noack (1887: 272) also mentions five specimens, including one female, collected in July-August. Ansell and Dowsett (1988: 34) refer to Hayman and Hill (1971: 28) who indicate that *marungensis* may be antedated by *vittata* Peters, 1852.

1891. *Phyllorhina commersoni var. thomensis* Bocage, J. Sci. mat. phys. nat., ser. 2, 2 (6): 88. Publication date: September 1891. Type locality: São Tomé and Principé: São Tomé Island [Goto Description]. - Comments: Bocage (1891: 88) mentions one male and one female specimen.

1904. *Hipposideros Commersoni mostellum* Thomas, Ann. Mag. nat. Hist., ser. 7, 13 (77): 385. Publication date: 1 May 1904. Type locality: Kenya: Tana River [ca. 02 33 S 40 31 E, 700 ft] [Goto Description]. Holotype: BMNH 1889.3.8.3: ad ♂, skin and skull. Presented/Donated by: H.C.V. Hunter Esq.

1993. *Hipposideros commersoni matungensis:* Koneval, Honors Projects - Illinois Wesleyan University: 1. (Lapsus)

2017. *M[acronycteris] thomensis:* Foley, Goodman, Whelan, Puechmaille and Teeling, Acta

Chiropt., 19 (1): 10. Publication date: June 2017. (Current Combination)
2017. *M[acronycteris] vittatus:* Foley, Goodman, Whelan, Puechmaille and Teeling, Acta Chiropt., 19 (1): 10. Publication date: June 2017. (Current Combination)
? *Hipposideros commersoni marungensis:*
? *Hipposideros commersoni:* (Name Combination)
? *Hipposideros thomensis:* (Name Combination)
? *Hipposideros vittatus:* (Name Combination, Current Combination)
? *Macronycteris vittatus:* (Current Combination)

TAXONOMY:
Simmons (2005: 369, 372, 377) restricts "*Hippposideros commersoni*" to Madagascar, and assigns *H. gigas*, *H. vittatus* (including *marugensis*) and *H. thomensis* as the mainland forms based on morphology and echolocation differences. Meester *et al.* (1986) state that Hayman and Hill (1971) noted that *marungensis* may be antedated by *vittata* Peters, 1852, from Ibo Island, which is more often regarded as a synonym of the subspecies *gigas* Wagner, 1845 (Allen, 1939a, Ellerman *et al.*, 1953, Hill, 1963a).

The karyotypic studies for the African mainland forms (*M. vittatus* and *M. gigas*) indicate that they share the exact same numbers and forms (Porter *et al.*, 2010); Rautenbach *et al.*, 1993; Koubínová *et al.*, 2010b). Koubínová *et al.* (2010b) suggests that African mainland forms may belong to the same species.

Foley *et al.* (2017: 3) indicate that the morphological characters used to distinguish *M. gigas* from *M. vittatus* are not straightforward and that these are generally used in combination with habitat and distribution data, which is complicated by the fact that their distributions partially overlap. They also indicate that the differences between the forms *gambensis* [sic], *marungensis, niangarae* and *viegasi* have been based on non-molecular characters, and as such the assignment of these synonyms is not yet definitive.

COMMON NAMES:
English: Striped Leaf-nosed Bat. Italian: Ipposìdero vittàto.

CONSERVATION STATUS:
Global -

Assessment History -
2008 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2008z; Mickleburgh *et al.*, 2008z).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016v). 2004 - considered a vagrant not assessed, single locality (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).
Bioko: Conenna *et al.* (2017: Suppl.) mentioned the status of "*Hipposideros thomensis*" as Least Concern (LC).

GENERAL DISTRIBUTION:
Gambia over Benin (Capo-Chichi *et al.*, 2004: 162), Ghana (Decher and Fahr, 2007: 17 as *H. gigas*), Burkina Faso (Kangoyé *et al.*, 2015a: 608); Central African Republic (Lunde *et al.*, 2001: 537), Republic of the Congo (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 538 as *H. vittatus*) to Ethiopia, south to Angola (Crawford-Cabral, 1989: 17, as *H. c. gigas*; Monadjem *et al.*, 2010d: 538, as *H. gigas* and *H. vittatus*), Zambia (Ansell, 1967; Ansell, 1974; Monadjem *et al.*, 2010d: 538 as *H. vittatus*), Zimbabwe (Monadjem *et al.*, 2010d: 538 as *H. vittatus*), Namibia (Monadjem *et al.*, 2010d: 538 as *H. vittatus*), Botswana (Smithers, 1971; Monadjem *et al.*, 2010d: 538 as *H. vittatus*), Transvaal (South Africa (Monadjem *et al.*, 2010d: 538 as *H. vittatus*)), Malawi (Happold *et al.*, 1988; Happold and Happold, 1997b: 818; Monadjem *et al.*, 2010d: 538 as *H. vittatus*) and Mozambique (Monadjem *et al.*, 2010d: 538, Monadjem *et al.*, 2010c: 381 as *H. vittatus*; Madagascar; adjacent small islands; Saõ Tomé (Rainho *et al.*, 2010a: 26 as *H. thomensis*).

Reported from the Tanzanian island of Pemba by O'Brien (2011: 287).

Rainho and Ranco (2001: 54) report "*H. commersoni*" from Guineu-Bissau (see also Peters, 1870; Seabra, 1900c; Monard, 1939; Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,043,916 km^2.

DETAILED MORPHOLOGY:
Baculum - Unknown.

Brain - Using immunohistochemical methods, Kruger *et al.* (2010a) describe the nuclear organization of the cholinergic, catecholaminergic and serotonergic systems based on three brains from Kenya. Kruger *et al.* (2010b) also describe the distribution of Orexin-A immunoreactive cell bodies and terminal networks.

Koneval (1993) described several significant differences in the hyoid morphology of "*Hipposideros commersoni matungensis*" (from Kenya) and other bats of the family Rhinolophidae (including Hipposideridae): a modified stylohyal, fused to the auditory bulla; loss of the stylohyoid; addition of a new muscle, possibly from the stylopharyngeus; a modified mylohyoid profundus; and insertion of the ceratohyoid onto only the stylohyal. She found this morphology to be closest related to this of the east Asian *H. armiger*.

ECHOLOCATION:
O'Shea and Vaughan (1980) reported an ultrasonic frequency of 155 kHz for Masalani in Kenya. A highest frequency of 62 kHz was recorded at Sengwa in Zimbabwe by Jacobs (1996) and Fenton and Bell (1981), and at Pafuri in South Africa by Aldridge and Rautenbach (1987). From Mozambique, Monadjem *et al.* (2010c: 381) reported [as *H. vittatus*] that the peak echolocation frequencies ranged between 64 - 66 kHz (ANABAT). Rainho *et al.* (2010a: 21) reports [as *H. thomensis*] the calls of 10 individuals from Saõ Tomé.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported for female individuals with a diplod number of $2n$ = 52, FN = 60?, and BA = 10?. Porter *et al.* (2010) found the same diploid described by Rautenbach *et al.* (1993) for a single male Gabonese specimen reported as "*Hipposideros gigas*", with six pairs of biarmed and 20 pairs of acrocentric chromosomes. While, Koubínová *et al.* (2010b) reported for two females from Senegal [as *H. gigas*] a $2n$= 52, and FNa= 60, including a pair of large metacentrics, three pairs of medium-sized sub-metacentrics, one pair of small submetacentrics, one pair of small metacentrics, and 20 pairs of acrocentrics, the two smallest acrocentric pairs were of a dot-like appearance.
Protein / allozyme - Unknown.

PARASITES:
DIPTERA:
Streblidae: *Ascodipteron variisetosum* Maa, 1965 from Robertspoort, Liberia and Ghana, where the cysts were found under the upper arm (Haeselbarth *et al.*, 1966: 107, hosts identified as *H. commersoni*). *Raymondia huberi huberi* Frauenfeld, 1855 (Shapiro *et al.*, 2016: 254).

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in "*Hipposideros vittatus*": Paramyxovirus.

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 to 1999, for antibodies for SARS-CoV in sera of 16 individuals from the Oriental Province, DRC. None tested positive (0/16). Tong *et al.* (2009) found coronavirus RNA (Kenya-bat-coronavirus [BtKY07]) from fecal material in 2006 in Kenya, and was similar to *Rousettus sp.* coronaviruses from China. In Nigeria, Quan *et al.* (2010) screened the gastrointestinal tissue for the presence of coronaviruses by PCRs.
One out of 123 (0.8 %) Kenyan bats tested by Tao *et al.* (2017: Suppl.) was positive for CoV.

Filoviridae - Filoviruses
Marburgvirus - Towner *et al.* (2007) as *H. gigas*, tested 1 individual from Gabon for Marburg virus RNA by conventional and real-time RT-PCR and for anti-Marburg virus IgG antibodies by ELISA; the results were negative.

Flaviviridae
Hepacivirus (BHV) - Quan *et al.* (2013: Table S5) report 2 with clade A infected Kenyan specimens on a total of 75 tested (2.7 %), and 4 specimens (5.3 %) that were infected with clade D virus.
Pegivirus (BPgV) - Quan *et al.* (2013: Table S5) also indicated that 2 of the 75 specimens were infected with a clade K type *Pegivirus*.

Polyomaviridae
Polyomavirus - Conrardy *et al.* (2014: 259) examined nine "*Hipposideros commersoni*" specimens from the Shimoni cave (Kenya), and found one of them testing positive for this virus.

Rhabdoviridae
Lyssavirus - Rabies related viruses
In Nigeria, Quan *et al.* (2010) did not detect any lyssavirus-specific antigens from the brains by use of direct fluroescent antibody testing.
Shimoni - Kuzmin *et al.* (2010a) detected a new lyssavirus, Shimoni bat lyssavirus from the brain of a dead "*H. commersoni*" bat found in the coastal region of Kenya. Genetic distances demonstrated that this may be a new lyssavirus species.
Fikirini rhabdovirus (FKRV)
Kading *et al.* (2013) report on this new rhabdovirus from a *M. vittatus* specimen collected at Three Caves, Shimoni cave in Southern Kenya.
Horton *et al.* (2014: Table S1) tested 77 Kenyan "*H. commersoni*" specimens, but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Botswana, Burundi, Cameroon, Central African Republic, Chad, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Ghana, Guinea-Bissau, Kenya, Madagascar, Malawi, Mozambique, Namibia,

Niger, Rwanda, São Tomé and Principé, Senegal, Somalia, South Africa, Sudan, Tanzania, The Gambia, Togo, Zambia, Zimbabwe.

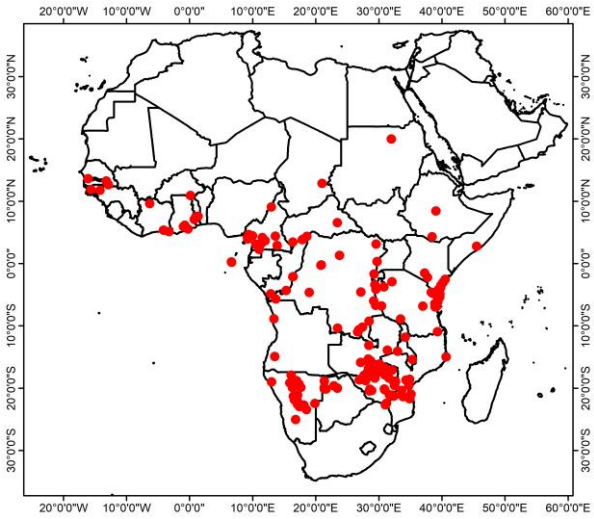

Figure 70. Distribution of *Macronycteris vittatus*

†Genus ***Palaeophyllophora*** Revilliod, 1917

1917. *Palaeophyllophora* Revilliod, Abh. Grossherz.-hess. Geol. Landesanst., 7: 1??.

†***Palaeophyllophora tunisiensis*** (Ravel, 2016)

*2016. *?Palaeophyllophora tunisiensis* Ravel, in: Ravel et al., Geodiversitas, 38 (3): 356, 368, figs 6, 7. Publication date: 30 September 2016. Type locality: Tunisia: Kassérine province: Dejbel Chambi National Park: Chambi [35 14 03 N 08 45 29 E, 630 m] [Goto Description]. - Etymology: The species name refers to the country from which uit was described: Tunisia.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS: Timeframe: Late lower Eocene to early middle Eocene.

Family MEGADERMATIDAE H. Allen, 1864

*1864. *Megadermatidae* H. Allen, Monograph of North American Bats, xxiii, 1. - Comments: Type genus: *Megaderma* Geoffroy, 1810. (Current Combination)
1865. *Megadermata* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 256. - Comments: In Part (see Taylor, 1934).
1866. *Megadermina* Gray, Proc. zool. Soc. Lond., 1866, I: 83. Publication date: May 1866.
1872. *Megadermidae* Gill, Arr. Families of Mammalia, p. 17.

TAXONOMY:
Based on morphological data, the Family Megadermatidae was placed in the superfamily Rhinolophoidea with the families Nycteridae, Rhinolophidae and Hipposideridae (Simmons, 1998; Simmons and Geisler, 1998), but more recent molecular studies have contradicted many groupings based on morphological data. Hand (1985, 1996) and Griffiths *et al.* (1992) have provided alternative phylogenies for the group.

See Handley (1980) [in Corbet and Hill (1992: 89)] for correct formation of family name.

No subfamilies recognized (Simmons, 2005: 379).

Known genera of the family Megadermatidae: †***Saharaderma*** Gunnell, Simons and Seiffert, 2008; ***Cardioderma*** Peters, 1873; ***Lavia*** Gray, 1838; *Macroderma* Miller, 1906; *Megaderma* E. Geoffroy, 1810.

COMMON NAMES:
Czech: lyronosovití, kožnatcovití, megadermovití. Dutch: Onechte vampieren. English: False Vampire Bats, Large-winged Bats. Finnish: Valevampyyrit. French: Mégadermatidés. German: Grossblattnasen, Großblattnasen, Falsche Vampire. Italian: Megadermàtidi, Fàlsi vampìri. Norwegian: Storøreflaggermus, falske vampyrer. Russian: Лжевампиры. Vietnamese: Họ dơi ma.

ETYMOLOGY OF COMMON NAME:
The common name of the family, false vampire bats, stems from the old, erroneous belief that they fed on blood, as do the true vampire bats of the New World (Happold, 2013ay: 401). There are no blood-sucking bats in Africa.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The Megadermatidae appear in the late Eocene or early Oligocene of Europe (Butler, 1978). Butler and Hopwood (1957) reported an indetermined species of Megadermatidae from the early Miocene at Rusinga. The locality was corrected by Butler (1984: 185) to Kaswanga, where it was found in the Hiwegi Formation.

Russell and Sigé (1970) suggest that *Afropterus gigas* Lavocat, 1961, is a megadermatid.

Shi and Rabosky (2015: 1532) indicate that the Megadermatidae split of from the Rhinopomatidae some 34 million years ago. They also reported (p. 1537) the family-level stem age to be 53.4 Mya and the crown age 27.2 Mya.

DENTAL FORMULA:
$^{0113}/_{2123}$ = 26.
Except in one non-African species, which has two upper premolars.

Genus ***Cardioderma*** Peters, 1873

*1873. *Cardioderma* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 488. Publication date: 23 June 1873. - Comments: Type species: *Megaderma cor* Peters, 1872. - Etymology: From the Greek "*καρδία*", meaning heart and "*δέρμα*", meaning skin, referring to the "cordiform" base of the central longitudinal crest of the nose-leaf (see Palmer, 1904: 160; Csada, 1996: 3). (Current Combination)

TAXONOMY:
See Simmons (2005).

Known species of the genus *Cardioderma*: ***cor*** (Peters, 1872), †***leakeyi*** Gunnell, Butler, Greenwood and Simmons, 2015.

COMMON NAMES:
Czech: srdcoví lyronosi. English: Heart-nosed Bats, African False Vampire Bats. French: Cardiodermes. German: Herznasen-Fledermäuse. Italian: Cardiodèrma.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Cardioderma sp. has been found in the early

Pleistocene deposits in Olduvai (Butler and Greenwood, 1965; Butler, 1978).

†***Cardioderma leakeyi*** Gunnell, Butler, Greenwood and Simmons, 2015

*2015. *Cardioderma leakeyi* Gunnell, Butler, Greenwood and Simmons, Am. Mus. Novit., 3846: 1, 7, figs 4B-D, 5C. Publication date: 16 December 2015. Type locality: Tanzania: Arusha province: Olduvai Gorge: Bed I, FLK NI, Layer 2. [Goto Description]. - Etymology: Named in honor of Louis S.B. Leakey who was instrumental in initiating and leading the search for vertebrate fossils, especially fossil humans, in East Africa (Gunnell *et al.*, 2015a: 7).

SIMILAR SPECIES:
The teeth of *C. leakeyi* are on average 18 - 20 % larger than those of *C. cor* (Gunnell *et al.*, 2015a: 8).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe: Pleistocene.

Cardioderma cor (Peters, 1872)

*1872. *Megaderma cor* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 194. Type locality: Ethiopia: "Ethiopia". Holotype: ZMB 4181: ad ♂, skull and alcoholic. Collection date: undated. Vendor Gerrard; see Turni and Kock (2008: 28). - Etymology: From the neuter Latin substantive *cor* meaning "heart", used as an apposition, referring to the heart-shaped noseleaf (see Lanza *et al.*, 2015: 167).
? *Cardioderma cor:* (Current Combination)

TAXONOMY:
See Csada (1996, Mammalian Species, 519).

COMMON NAMES:
Czech: lyronos srdcový, megaderma africká. Dutch: Hartneusvleermuis. English: Heart-nosed Bat, African Heart-nosed Bat, African False Vampire Bat, Heart-nosed Big-eared Bat. French: Cardioderme à nez en cœur, Pseudo-vampire à nez en cœur. German: Herznasen-Fledermaus. Italian: Cardiodèrma nàso a cuòre, Fàlso vampìro dàl nàso a cuòre.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008b; IUCN, 2004).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008b; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004a; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
Mickleburgh *et al.* (2008b) [in IUCN (2009)] report that there appear to be no major threats to this species, however, further studies are needed into the impact of disturbance on roosting sites.

CONSERVATION ACTIONS:
The species has been recorded from protected areas in Kenya (e.g. Tsavo West National Park (Vaughan, 1976; Aggundey and Schlitter, 1984) and is likely to be present in protected areas in some other East African countries. Additional studies are needed into the impact of disturbance on this species (Mickleburgh *et al.*, 2008b; IUCN).

GENERAL DISTRIBUTION:
Cardioderma cor is distributed from north-east Sudan (near the Red Sea) south to central Tanzania. The distribution extends from the border area of Uganda and Sudan in the west, to east Somalia (near the tip of the Horn of Africa) in the east.

Native: Djibouti (Pearch *et al.*, 2001: 397); Eritrea; Ethiopia (Glass, 1965: 179); Kenya; Somalia; Sudan; Tanzania; Uganda, Zanzibar.

DETAILED MORPHOLOGY:
Baculum - Unknown
Brain - Based on three brains from Kenya, Kruger *et al.* (2010a) describe the nuclear organization of the cholinergic, catecholaminergic and seroton-ergic systems, using immunohistochemical methods. Kruger *et al.*, 2010b) describe the distribution of Orexin-A immunoreactive cell bodies and terminal networks based on three brains from Kenya.

ECHOLOCATION:
See O'Shea and Vaughan (1980) and Taylor *et al.* (2005).

Davies *et al.* (2013b: Table S8) report a peak frequency of 56.7 kHz and a range between 39.6 and 90.9 Khz.
Kanuch *et al.* (2015: 55) found that the bats emitted relative broadband FM signals with a very sort duration (2 ms). The average peak frequency was 50.4 kHz (49.2 - 51.7 kHz), and the mean inter-signal interval was 186 ms (130 - 286 ms). The signals also had a second (around 65 kHz) and third (around 88 kHz) component, which are probably not true harmonics.

Smarsh and Smotherman (2016: 429) report up to four harmonics, of which the second and third are emphasized and the first suppressed. They also present the following data (p. 435): F_{peak}: 49.13 ± 1.39 kHz, F_{max}: 62.19 ± 2.29 kHz, F_{min}: 40.14 ± 0.73 kHz, bandwidth: 22.04 ± 2.72 kHz, duration: 1.34 ± 0.06 ms, and interpulse interval: 47.53 ± 22.19 ms. Furthermore, males had significantly lower F_{min} values than females.

HABITAT:
Typically this species has been recorded from lowland savanna, shrubland, and the coastal strip, and in some instances, it may be observed in river valleys (Varty and Hill, 1988; Csada, 1996). Highest altitudinal record is 940 m (Csada, 1996). Stanley *et al.* (2007c: 58) mention that *C. cor* is a common resident of baobab trees (*Adansonia digitata* L.).

HABITS:
McWilliam (1987a: 243) reported that *C. cor* males sing to mark their feeding territories. Contrary to echolocation calls, which are produced nasally, these songs are produced orally (Smarsh and Smotherman, 2017: 2), and are seasonally. Smarsh and Smotherman (2017: 11) also found that *C. cor* reacted to play-back sounds by producing faster, lower-frequency songs.

Smarsh and Smotherman (2016: 429) [referring to Bogdanowicz and Owen (1990)] mention that *Cardioderma cor* is a surface gleaner, which sits in perches and scans the environment, rotating its body and pinnae until it detects a prey to pick off the surface in the dense scrub habitat.

ROOST:
It roosts alone, or in small numbers, in caves, hollow trees (e.g. baobab) and abandoned buildings (Kingdon, 1974; Vaughan, 1976; Ryan and Tuttle, 1987; Csada, 1996; Pearch *et al.*, 2001; Smarsh and Smotherman, 2016: 429). When roosting in trees, open sites are preferred, since this species doesn't seem to be very agile in roosting situations (Kunz, 1996: 50). In the Mago National Park (Ethiopia), Kanuch *et al.* (2015: 55) found that dozens of male and female bats were roosting in two underground cesspits of the toilet, which they entered through waste holes.

POPULATION:
Structure and Density - Although there is little overall information on the abundance of this species, up to 81 bats have been found roosting in a hollow baobab tree (Vaughan, 1976).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008b; IUCN, 2009). 2004 - Unknown (Mickleburgh *et al.*, 2004a; IUCN, 2004).

ACTIVITY AND BEHAVIOUR:
Smotherman *et al.* (2016: 537) refer to Vaughan (1976) and McWilliam (1987a) in describing the song structure for this species as consisting of different syllable types in a basic motif.

REPRODUCTION AND ONTOGENY:
Tuttle and Stevenson (1982: 121) mention that both males and females need about 16 months to attain sexual maturity.

Matthews (1941) and Krutzsch (2000: 95) indicate that the central duct of the ampullary gland seems to act as a temporary storage site for spermatozoa. They also mention that *C. cor* is the only polyoestrous species in the Megadermatidae, all others are seasonally monoestrous.

Vaughan (1976) and Kunz and Hood (2000: 418) suggest that paternal recognition of young would occur in monogamous species, such as *C. cor*, where males participate in the care of young. The males also defend the foraging territories in which young bats learn to feed (Kunz and Hood, 2000: 440).

MATING:
Vaughan (1976), McWilliam (1987a), and McCracken and Wilkinson (2000: 351) report this species to be monogamous.

PARASITES:
PROTOZOA
Kassahun *et al.* (2015: 168) tested one *C. cor* specimen from Awash-Methara (Ethiopia) and found it to be infected by *Leishmania tropica* Wright, 1903.

ACARI
Trombiculidae: *Grandjeana kanuchi* Kalúz and Ševcík, 2015 collected and described from *C. cor* in Ethiopia (Kalúz and Ševcík, 2015: 381).

DIPTERA
Streblidae: *Raymondia huberi huberi* Frauenfeld, 1855 (Shapiro *et al.*, 2016: 254). *Raymondia planiceps* Jobling, 1930 (Haeselbarth *et al.*, 1966: 102; Kanuch *et al.*, 2015: 55; Shapiro *et al.*, 2016: 255); *Raymondia seminuda* Jobling, 1954 in Ethiopia (Jobling (1954) in (Haeselbarth *et al.*, 1966: 104).

Nycteribiidae: *Basilia daganiae* Theodor and Moscona, 1954 from Mombasa, Kenya (Haeselbarth *et al.*, 1966: 110).

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Cardioderma cor*: Adenoviruses and Astroviruses.

Coronaviridae - Coronaviruses
SARS-CoV - Tong *et al.* (2009) found coronavirus RNA in fecal samples collected of one bat collected in Kenya in 2006.
Tao *et al.* (2017: 3) indicate that one (25 %) of the Kenyan *C. cor* they examined tested positive for CoV.

Paramyxoviridae
Conrardy *et al.* (2014: 259) tested 14 individuals from Kenya with the use of an RT-PCR assay. Of the 10 individuals tested from Panga Yambo cave, one individual tested positive for paramyxovirus RNA that grouped phylogenetically to an *Otomops martiensseni*-related paramyxovirus.

Polyomaviridae
Cardioderma PyV KY336 - Tao *et al.*, 2012 detected polyomavirus DNA in fecal/oral swabs from Kenya in 2006.

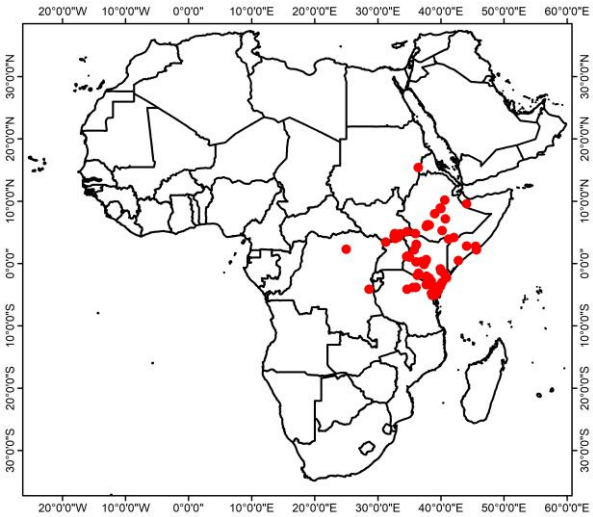

Figure 71. Distribution of *Cardioderma cor*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Egypt, Eritrea, Ethiopia, Kenya, Somalia, South Sudan, Sudan, Tanzania, Uganda.

Genus ***Lavia*** Gray, 1838

*1838. *Lavia* Gray, Mag. Zool. Bot., Edinburgh, 2 (12): 490. Publication date: 1 February 1838. - Comments: Type species: *Megaderma frons* E. Geoffroy Saint-Hilaire, 1810. - Etymology: From "*lavo*" meaning fine, elegant, splendid (see Vonhof and Kalcounis, 1999: 4). Lanza *et al.* (2015: 172), however, indicate that *lavo* is a Latin verb meaning "wash, wash away, wash off, wet, moisten, bathe, soak", while its passive Latin perfect participle *lauta* (corresponding to a feminine verbal adjectiv) actually means - besides "washed", "clean", and "sumptuous" - "splendid" and "magnificent", referring to the beauty of the animal. (Current Combination)
1846. *Livia:* Agassiz, Nomenclator. Zool., Mamm., addenda 6. (Lapsus)

TAXONOMY:
See Simmons (2005).

Known species of the genus *Lavia*: ***frons*** (E. Geoffroy, 1810.

COMMON NAMES:
Czech: žlutokřídlí lyronosi. English: Yellow-winged Bats. French: Mégadermes à ailes orangées. German: Gelbflügel-Fledermäuse. Italian: Fàlsi vampìri dàlle àli giàlle.

Lavia frons (E. Geoffroy St.-Hilaire, 1810)

1800. *Vespertilio megalotis* Bechstein. Type locality: South Africa: Great Namaqualand: Orange River, 50 mi [=75 km] N. - Comments: Nomen oblitum. See Grubb (2004: 91 - 92) for a discussion.
*1810. *Megaderma frons* E. Geoffroy Saint-Hilaire, Ann. Mus. Hist. nat. Paris, 15: 192. Type locality: Senegal: "Senegal". Holotype: MNHN 928:. Number 175 in Rode (1941: 236). Skull number A6844. Paratype: MNHN 929: skin only. Skull removed and lost. Number

175a in Rode (1941: 236). Paratype: MNHN 929.C: skin only. Number 175b in Rode (1941: 2436). Paratype: MNHN 929.D: skin only. Number 175c in Rode (1941: 236). - Etymology: From the Latin "*frons*" meaning forehead (see Vonhof and Kalcounis, 1999: 4).

1905. *Lavia rex* Miller, Proc. Biol. Soc. Wash., 18: 227. Publication date: 9 December 1905. Type locality: Kenya: Taveta [03 23 S 37 40 E] [Goto Description]. Holotype: USNM 18993/38197: ad ♂, skin and skull. Collected by: Dr. William Louis Abbott; collection date: 1889. Skin catalogued 24 June 1890; skull catalogued 18 February 1904: see Miller (1905: 227), Lyon and Osgood (1909: 260), Poole and Schantz (1942: 118).

1907. *Lavia frons affinis* K. Andersen and Wroughton, Ann. Mag. nat. Hist., ser. 7, 19 (110): 138, 140. Publication date: 1 February 1907. Type locality: Sudan: White Nile: Kaka [10 41 N 32 13 E] [Goto Description]. Holotype: BMNH 1901.8.8.3: ad ♂, skin only. Collected by: R. McDonald Hawker Esq. - Comments: Not mentioned by Vonhof and Kalcounis (1999: 1).

? *Lavia frons frons:* (Name Combination)

? *Lavia frons rex:* (Name Combination)

? *Lavia frons:* (Name Combination, Current Combination)

TAXONOMY:

See Vonhof and Kalcounis (1999, Mammalian Species, 614). Grubb (2004: 91) calls *Megaderma frons* a "nomen protectum".

COMMON NAMES:

Azande (DRC): Ndima. Czech: lyronos žlutokřídlý, weloblánec lupenatý, megaderma žlutokřídlá. English: Yellow-winged Bat, African Yellow-winged Bat. French: Feuille de Daubenton, Megaderme à ailes orangées, Lavie à ailes jaunes, Le Megaderme feuille, Megaderme à ailes orangées. German: Gelbflügelige Großblattnase, Gelbflügel-Fledermaus. Italian: Fàlso vampìre dàlle ali giàlle. Kiluba (DRC): Kasusu. Kinande (DRC): Kakoro kombe.

CONSERVATION STATUS:

Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008n; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008n; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004y; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:

While Vonhof and Kalcounis (1999) state that the effects of human activity on population dynamics of this bat are unknown, there do not appear to be any major threats to the species (Mickleburgh *et al.*, 2008n; IUCN, 2009).

CONSERVATION ACTIONS:

Mickleburgh *et al.* (2008n) [in IUCN (2009)] report that it is present in a number of protected areas (e.g. Garamba National Park, Democratic Republic of the Congo). Other than studies into the possible effects of human activity on population dynamics of this bat, and additional research into the range of this species, no conservation measures are currently needed for this widespread species.

GENERAL DISTRIBUTION:

Lavia frons is broadly distributed south of the Sahara from Gambia and Senegal, through much of West and Central Africa, to southern and central Sudan, Eritrea, Ethiopia and Somalia in the east; ranging southwards as far as northern Zambia and northern Malawi. It is typically a lowland species found below 2,000 m asl.

Native: Benin (Capo-Chichi *et al.*, 2004: 162); Burkina Faso (Kangoyé *et al.*, 2015a: 610); Burundi; Cameroon; Central African Republic; Chad; Congo (The Democratic Republic of the) (Schouteden, 1944; Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 539); Côte d'Ivoire; Eritrea; Ethiopia (Yalden *et al.*, 1996; Lavrenchenko *et al.*, 2004b: 132); Gabon; Gambia (Grubb *et al.*, 1998); Ghana; Guinea; Guinea-Bissau (Seabra, 1900a; Monard, 1939; Rainho and Ranco, 2001: 46); Kenya (Aggundey and Schlitter, 1984); Malawi (Happold *et al.*, 1988; Ansell and Dowsett, 1988; Vonhof and Kalcounis, 1999; Monadjem *et al.*, 2010d: 539); Mali; Niger; Nigeria; Rwanda (Baeten *et al.*, 1984; Senegal; Sierra Leone; Somalia (Funaioli and Simonetta, 1966); Sudan; Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 61); Zambia (Ansell, 1967; Ansell, 1978; Monadjem *et al.*, 2010d: 539).
Presence uncertain: Namibia, Zanzibar.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:

From western Uganda, Monadjem *et al.* (2011: 30) reported the following data: Fa: 59.5 mm, mass: 23 g, wing loading: 7.8 N/m^2, aspect ratio: 5.2.

DENTAL FORMULA:
Dorst (1953a: 83 - 84) indicates that he was unable to find any trace of a milk dentition in a foetus of about 35 mm in size (Fa: 25 mm), but also that the permanent teeth were already perfectly formed, but were not yet grown above the gum.

SEXUAL DIMORPHISM:
Krutzsch (2000: 115) mentions the presence of dorsal skin glands in males.

Kangoyé *et al.* (2015a: 610) found no differences in body and cranial measurements between the two sexes.

ECHOLOCATION:
See Taylor *et al.* (2005).

Davies *et al.* (2013b: Table S8) report a peak frequency of 18.5 kHz and a range between 16.9 and 82.9 kHz.

Smarsh and Smotherman (2016: 429) report up to four harmonics of which the second and third are emphasized and the first suppressed, with males having a significantly lower F_{min}. They also provide the following data: F_{peak}: 42.21 ± 2.35 kHz, F_{max}: 48.50 ± 2.08 kHz, F_{min}: 35.08 ± 1.25 kHz, bandwidth: 13.42 ± 3.04 kHz, duration: 3.25 ± 2.98 ms, and interpulse interval: 53.99 ± 32.24 ms.

HABITAT:
R.B. Woosnam [in Thomas, 1910b: 488] mentions it to be plentiful among the acacia trees on the plains around the south end of Ruwenzori at 3,400 ft (1,000 m), where it was found hanging fully exposed to the sun.

HABITS:
Vaughan and Vaughan (1987) [in McCracken and Wilkinson (2000: 353)] found that the single young remains closely associated with both parents at roost sites and on the foraging area for up to 50 days after it becomes volant.

Smarsh and Smotherman (2016: 430) consider *L. frons* to be an aerial-hawker, capturing insects in vegetation gaps.

ROOST:
L. frons roosts in trees, but prefers relatively open sites as it seems to be less agile in roosting situations (Kunz, 1996: 50). McCracken and Wilkinson (2000: 351) indicate that male/female pairs roost in the same territory, and that pair-specific roost sites and foraging areas remain stable for at least several months.
Smarsh and Smotherman (2016: 429) indicate that *L. frons* roost in male-female pairs in Acacia trees within a foraging territory.

PREDATORS:
Schätti (1984: 339) refers to Loveridge (in Allen, 1940), who found a specimen in the stomach of a Black Mamba (*Dendroaspis polylepis*).
Mikula *et al.* (2016: Supplemental data) mention the Grey kestrel (*Falco ardosiaceus* Vieillot, 1823), Common kestrel (*Falco tinnunculus* Linnaeus, 1758) and Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as avian diurnal predators.

POPULATION:
Structure and Density - Although there is little information on the abundance of this species, it is probably uncommon (Vonhof and Kalcounis, 1999).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008n; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Smotherman *et al.* (2016: 537) refer to Wickler and Uhrig (1969) and Vaughan and Vaughan (1986) in describing the song structure for this species as consisting of simple syllable types in a basic motif.

REPRODUCTION AND ONTOGENY:
Vaughan and Vaughan (1987: 217) report that females give birth to one young, which hangs on to its mother for about a week, and then starts flying. The young is weaned about 20 days after its first flight, but remains at least 50 days in close contact with its parents, during which time it learns to become a skilled opportunistic forager.

MATING:
Duron *et al.* (2014: 351) reports that *L. frons* is a monogamous species.

PARASITES:
SIPHONAPTERA
Pulicidae: *Echidnophaga aethiops* Jordan and Rothschild, 1906 locality not mentioned (Haeselbarth *et al.*, 1966: 135).
Ischnopsyllidae: *Chiropteropsylla brockmani* Rothschild, 1915 widespread (Haeselbarth *et al.*, 1966: 192).

ANTHROPOPHILOUS:
Jeffreys (1944: 73) [referring to Schweinfurt (1878)] mentions the following "Among the Bongo of the Anglo-Egyptian Sudan much the same superstition lurks - 'Spirits, devils and witches have their general appellation of 'Bitaboh', wood-goblins being specially called 'Ronga'. Comprehended under the same term are all the bats (especially the *Megaderma frons*, which flutters about from tree to tree in broad daylight).'"

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo

(Democratic Republic of the), Côte d'Ivoire, Egypt, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Malawi, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Sudan, Sudan, Tanzania, The Gambia, Togo, Uganda, Zambia.

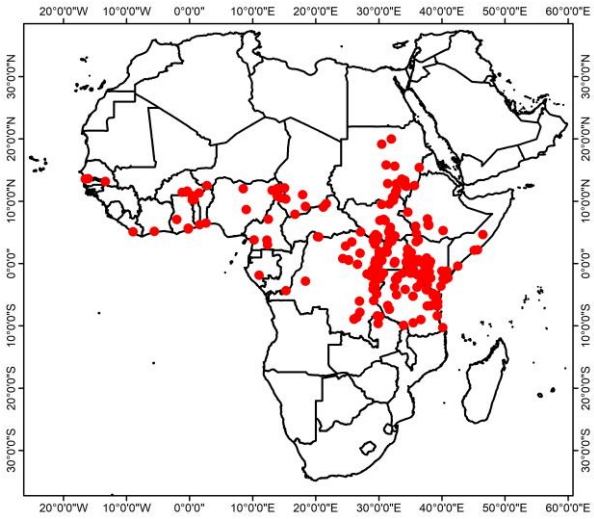

Figure 72. Distribution of *Lavia frons*

Genus ***Megaderma*** E. Geoffroy St.-Hilaire, 1810

*1810. *Megaderma* E. Geoffroy St.-Hillaire, Ann. Mus. Hist. nat. Paris, 15: 197. - Comments: Type species: *Vespertilio spasma* Linnaeus, 1758. - Etymology: From the Greek "*μέγας*", meaning great or large and "*δέρμα*", meaning skin, referring to the large wings and interfemoral membrane (see Palmer, 1904: 403). (Current Combination)
1847. *Eucheira* Hodgson. - Comments: not *Eucheira* Westwood, 1838, an insect.
1866. *Spasma* Gray.
1872. *Lyroderma* Peters.
1961. *Afropterus* Lavocat, Notes Mém. Serv. Mines Carte geol. Maroc, 155: ?. - Comments: Mid Miocene-Pliocene in Morocco.

TAXONOMY:
Includes *Lyroderma*, but see Hand (1985).
Two subgenera (*Megaderma* and *Lyroderma*) are recognized by Corbet and Hill (1992) and Simmons (2005: 380).

Known species of the genus *Megaderma*: †***gigas*** Lavocat, 1961; †***jaegeri*** Sigé, 1976; *lyra* E. Geoffroy, 1810 – Afganistan to southern China, Burma, Thailand, Cambodia, Laos, Vietnam; south to Sri Lanka and western Malaysia; Bangladesh (Simmons, 2005: 380); *spasma* (Linnaeus, 1758) – Sri Lanka and India through south east Asia (including Vietnam) to Lesser Sundas, the Philippines and Molucca Isls, various adjacent islands (Simmons, 2005: 380).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
gigas (Lavocat, 1961) fossil bat from the Pliocene.

†***Megaderma gaillardi*** (Trouessart, 1898)

*1898. *Miomegaderma gaillardi* Trouessart, Catalogus Mammalium tam viventium quam fossilium. Berlin., 84. Type locality: France: La Grive St. Alban.
1961. *Afropterus gigas* Lavocat, Notes Mém. Serv. Mines Carte geol. Maroc, xxx.. Type locality: Morocco: Beni Mellal.
2013. *Megaderma gaillardia:* Stoetzel, Palaeog., Palaeoclim., Palaeoecol., 392: 363. (Lapsus)
? *Megaderma gaillardi:*

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Middle Miocene (Astaracanian).

GENERAL DISTRIBUTION:
Europe and Morocco Hugueney *et al.* (2015: 472).

†***Megaderma gigas*** (Lavocat, 1961)

*1961. *Afropterus gigas* Lavocat, Notes Mém. Serv. Mines Carte geol. Maroc, 155: ?. Type locality: Morocco: Beni Mellal. - Comments: Mio-Pliocene.
? *Megaderma gigas:* (Name Combination, Current Combination)

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe:
Pliocene.

†***Megaderma jaegeri*** Sigé, 1976

*1976. *Megaderma jaegeri* Sigé, Géol. Médit., 3 (2): xxx. Type locality: Morocco: Béni Mellal. (Current Combination)

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Middle Miocene.

GENERAL DISTRIBUTION:
Morocco (Hugueney *et al.* (2015: 472).

†Genus ***Saharaderma*** Gunnell, Simons and Seiffert, 2008

*2008. *Saharaderma* Gunnell, Simons and Seiffert, J. Vert. Paleont., 28 (1): 3, 7. - Comments: Type species - *Saharaderma pseudovampyrus*. - Etymology: For the 'Sahara Desert' in combination with *derma*, Greek for skin, and the common ending for several genera of megadermatids (Gunnell *et al.*, 2008). (Current Combination)

TAXONOMY:
See Gunnell *et al.* (2008).

Known species of the genus *Saharaderma*: †***pseudovampyrus*** Gunnel, Simons and Seiffert, 2008.

SIMILAR SPECIES:
See Gunnell *et al.* (2008).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
See Gunnell *et al.* (2008).

GENERAL DISTRIBUTION:
Egypt (Gunnell *et al.*, 2008).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Gunnell *et al.* (2008).

†***Saharaderma pseudovampyrus*** Gunnell, Simons and Seiffert, 2008

*2008. *Saharaderma pseudovampyrus* Gunnell, Simons and Seiffert, J. Vert. Paleont., 28 (1): 3, 7, fig. 7. Type locality: Egypt: Fayum Depression: Quarry L-41: Lower Sequence, Jebel Qatrani Formation. Holotype: CGM 83672. Right dentary p4-m3: see Gunnell *et al.* (2008: 7). - Comments: latest Eocene, Priabonian. - Etymology: 'Pseudo- and Vampyrus' in reference to the common name of megadermatids (False Vampire Bats), from Slavic, 'wampir', blood-sucking ghost (Gunnell *et al.*, 2008). (Current Combination)

TAXONOMY:
See Gunnell *et al.* (2008).

SIMILAR SPECIES:
See Gunnell *et al.* (2008).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
See Gunnell *et al.* (2008).

Timeframe:
Latest Eocene (Priabonian), Lower Sequence, Jebel Qatrani formation.

GENERAL DISTRIBUTION:
Egypt (Gunnell *et al.*, 2008).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Gunnell *et al.* (2008).

Family RHINOLOPHIDAE Gray, 1825

*1825. *Rhinolophidae* Gray, Zool. Journ., 2 (6): 242. - Comments: Type genus: *Rhinolophus* Lacépède, 1799. Corbet and Hill (1992: 90) mention "Bell, 1836: 599" as author. (Current Combination)
1827. *Rhinolophina* Lesson, Mannuel de mammalogie, p. 81. - Comments: In Part (see Taylor, 1934).
1854. *Rhinolophides* Gervais, Histoire naturelle des mammifères, p. 200. - Comments: In Part (see Taylor, 1934).
1855. *Histiorhina* Van der Hoeven, Handboek Dierkunde, 2nd ed., 2: ????.
1865. *Rhinolophi* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, p. 256. - Comments: In Part (see Taylor, 1934).

TAXONOMY:
Koopman and Jones, 1970; Swanepoel *et al.* (1980: 157), Harrison and Bates (1991: 51), Corbet and Hill (1992: 104 - with comment), Pavlinov *et al.* (1995), Peterson *et al.* (1995: 66), Hutson *et al.* (2001: 16) and Simmons (2005: 350) included the Hipposideridae. Hill (1982b) listed Hipposideridae as a distinct family, without comment and Hill and Smith (1984) retained this separation and discussed the question.

Foley *et al.* (2014: 319) state that the Rhinolophidae form a fully supported monophyletic group, but that the intrafamilial relationships are less well resolved than for the Hipposideridae.

Currently known genera of the family Rhinolophidae: ***Rhinolophus*** Lacépède, 1799.

COMMON NAMES:
Czech: vrápencovití, vlastní vrápenci. Dutch: Hoefijzerneusvleermuizen, Hoefijzerneuzen. English: Horseshoe bats. Finnish: Hevosenkenkäyököt, Kaviokuonoyököt. French: Rhinolophidés, Fers-à-cheval, Rhinolophes. German: Hufeisennasen, Hufeisennasen-Fledermäuse. Italian: Rinolòfidi. Norwegian: Hesteskoneser, Ekte hesteskonese. Polish: podkowcowate. Romanian: Lilieci cu pliuri nazale. Russian: Подковоносые. Vietnamese: Họ dơi lá.

ETYMOLOGY OF COMMON NAME:
They are called horseshoe bats because the anterior nose-leaf is shaped like a horseshoe.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The Rhinolophidae, date from the late Eocene or early Oligocene of Europe and have been recorded in Africa only from the Mio-Pliocene of Morocco (Lavocat, 1961) and the late Pliocene of Makapansgat (De Graaf, 1960).
The family-level stem and crown ages were calculated as 49.9 and 49.8 Mya by Shi and Rabosky (2015: 1537).

BIOGEOGRAPHY:
During the Miocene at about 17 Ma, the *Rhinolophus* diversified into distinct clades (Foley *et al.*, 2014: 320).

FUNCTIONAL MORPHOLOGY:
Using micro computed tomography (micro-CT) scans, Curtis A. A. and Simmons N. B. (2016: 310) examined the turbinal morphology in the Rhinolophidae and found strangely formed maxilloturbinal bones within the respiratory airway. These looked distinct in form from the scrolled, branched, or plate shaped turbinals reported in other mammals, including other nasophonating bats.

VIRUSES:
Coronaviridae
SARS-related coronaviruses have only been detected in the *Rhinolophus* genus.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Tanzania.

Genus ***Rhinolophus*** Lacépède, 1799

*1799. *Rhinolophus* Lacépède, Tabl. Div. Subd. Orders Genres Mammifères, 15. - Comments: Type species: *Vespertilio ferrum-equinum* Schreber, 1774. Conserved by Opinion 91 (1926) and Direction 24 (1955) (see Corbet and Hill, 1992: 91). - Etymology: From the Greek "*ρις*" or "*ρινός*", meaning nose and "*λόφος*", meaning crest, referring to the complex nose-leaf, consisting of three parts (Palmer, 1904: 606; Taylor, 2005). Lanza *et al.* (2015: 76) translate "*λόφος*" as "comb", which leads to "with a comb on the nose or, more properly, on the snout". (Current Combination)
1816. *Phyllorhina* Leach, Systematic Catalogue of the species of indigenious Mammals in the

British Museum, 5. - Comments: Type species: *Vespertilio minutus* Montagu, 1808.

1836. *Rhinocrepis* Gervais, Dictionnaire Pittoresque d'Histoire naturelle, 4 (2): pt. 318, p. 617. - Comments: Type species: *Vespertilio ferrum-equinum* Schreber, 1774.

1847. *Aquias* Gray, Proc. zool. Soc. Lond., 1847, XV (clxix): 15. Publication date: 13 April 1847. - Comments: Type species: *Rhinolophus luctus* Temminck, 1838 / *Rhinolophus trifoliatus* Temminck, 1834. Restricted to *R. luctus* by Ellerman *et al.* (1953): see Meester *et al.* (1986: 36).

1866. *Phyllotis* Gray, Proc. zool. Soc. Lond., 1866, I (vi): 81. Publication date: May 1866. - Comments: Type species: *Rhinolophus philippinensis* Waterhouse, 1843. Preoccupied by *Phyllotis* Gray, 1837. Not of Waterhouse.

1867. *Cœloephyllus* Peters, Proc. zool. Soc. Lond., 1866, III: 427. Publication date: April 1867. - Comments: Type species: *Rhinolophus cœlophyllus* Peters, 1867.

1901. *Euryalus* Matschie, Sber. Ges. naturf. Freunde Berlin, 225. - Comments: Type species: *Rhinolophus mehelyi* Matschie, 1901. Described as a subgenus of *Rhinolophus* (see Meester *et al.*, 1986: 36). - Etymology: From the specific name *euryale* ("*Ευρυάλη*"), being one of the Gorgons (see Palmer, 1904: 279).

1941. *Rhinophyllotis* Troughton, Furred Animals of Australia, 1st edn: 342. - Comments: Type species: *Rhinolophus megaphyllus* Gray, 1834. Redescription for *Rhinophyllotus* Iredale and Troughton, 1934, "nomen nudum" (see Meester *et al.*, 1986: 36).

1951. *Rhinomegalophus* Bourret, Bull. Mus. natn. Hist. nat., Paris, sér. 2, 23 (6): 607. - Comments: Type species: *Rhinomegalophus paradoxolophus* Bourret, 1951.

1973. *Rhinomegaphyllus:* Thonglongya, Mammalia, 37: 587. - Comments: Lapsus for *Rhinomegalophus* Bourret, 1951 (see Eger and Fenton, 2003: 1). (Lapsus)

1993. *Rhinilophus:* Amr and Qumsiyeh, Ent. News, 104 (1): 44. (Lapsus)

2003. *Indorhinolophus* Guillén-Servent, Francis and Ricklefs, in: Csorba, Ujhelyi and Thomas, Horseshoe Bats of the World.

2015. *Rhrynolophus:* Thies and Lewis, Occ. Pap. Mus. Texas Tech Univ., 330: 7. Publication date: 10 February 2015. (Lapsus)

2015. *Rhynolophus:* Thies and Lewis, Occ. Pap. Mus. Texas Tech Univ., 330: 7. Publication date: 10 February 2015. (Lapsus)

? *Rhinolophus sp.:*

TAXONOMY:

The radiation (about 15 million years ago) of Rhinolophidae into five main clades apparently occurred rapidly and the distinct clades could be regarded as different genera (Servent *et al.*, 2003: xvi). Following tradition Servent *et al.* (2003: xvi) split the six subgenera (*Aquias*, *Phyllorhina*, *Rhinolophus*, *Indorhinolophus*, *Coelophyllus*, *Rhinophyllotis*) into groups corresponding to smaller lineages in the phylogeny. All African and Palaearctic species are contained within a single clade (Servent *et al.*, 2003: xvii). This confirms the views proposed by Bogdanowicz (1992) and Bogdanowicz and Owen (1992), who suspected that the relationship was monophyletic. Qumsiyeh *et al.* (1988) studied protein electrophoresis of a limited number of African taxa, which grouped together in their phylogeny. All African and Palaeartic Rhinolophid species karyotyped show a diploid number of 58, which differs from all other *Rhinolophus* with the exception of some populations of *R. hipposideros* (Zima *et al.*, 1992b). Servent *et al.* (2003: xvii) note that the geographical distribution of taxa and the phylogeny are strongly congruent.

Species groups recognized by Servent *et al.* (2003: xvi), for African taxa:

Rhinolophus: ***R. landeri*** - *landeri*, *alcyone*, *?guineensis*. ***R. euryale*** - *blasii*, *euryale*, *mehelyi*. ***R. capensis*** - *?capensis*, *?swinnyi*, *?denti*, *simulator*. ***R. adami*** - *?adami*, *?maendeleo*. ***R. ferrumequinum*** - *ferrumequinum*, *clivosus*, *?silvestris*, *?deckenii*. ***R. maclaudi*** - *?maclaudi*, *ruwenzorii*. ***R. fumigatus*** - *fumigatus*, *eloquens*, *hildebrandti*, *darlingi*.

Stoffberg *et al.* (2010a: 6 - 7) refer to Guillén-Servent *et al.* (2003), who, based on the complete cytochrome *b* gene, propose that *Rhinolophus* should be divided into six subgenera: *Aquias* (*trifoliatus* group), *Coelophyllus* (*affinis*, *coelophyllus*, *euryotis*, and *pearsonii* groups), *Indorhinolophus* (*rouxi* group), *Phyllorhina* (*hipposideros* group), *Rhinolophus* (*adami*, *capensis*, *euryale*, *ferrumequinum*, *fumigatus*, *landeri*, and *maclaudi* groups), and *Rhinophyllotis* (*acuminatus*, *borneensis*, *macrotis*, *malayanus*, *megaphyllus*, and *pusillus* groups), and confirm most of these.

See Csorba *et al.* (2003: 1 - 3) for key to species.

Known species of the genus *Rhinolophus*:

†***maghrebensis*** Gunnell, Eiting, and Geraads, 2011; *acuminatus* Peters, 1871 – Thailand, Laos, Cambodia, Peninsular Malaysia and Sabah, Borneo, Sumatra (including Nias and Engano Isls), Java, Karkatau, Lombok, and Bali (Indonesia), Palawan, Balabac, Busuanga (Philippines) (Csorba *et al.*, 2003: 98; Simmons, 2005: 350); ***adami*** Aellen and Brosset, 1968; *affinis* Horsfield, 1823 – India and Nepal to south China and Vietnam, through Malaysia to Borneo and Lesser Sunda Isls, Andaman Isls (India) (Csorba *et al.*, 2003: 68; Simmons, 2005: 351); ***alcyone*** Temminck, 1853; *arcuatus* Peters, 1871 – Sumatra to Philippines, New Guinea and South Molucca Isls (Csorba *et al.*, 2003: 20; Simmons, 2005: 351); *beddomei* K. Andersen, 1905 – southern India, Sri Lanka (Csorba *et al.*, 2003: 123; Simmons, 2005: 351); ***blasii*** Peters, 1867; *bocharicus* Kastchenko and Akimov, 1917 – Kyrgyzstan, western Tajikistan, northeastern Iran, Uzbekistan, Turkmenistan, Afghanistan (Csorba *et al.*, 2003: 35; Simmons, 2005: 352); *borneensis* Peters, 1861 – Borneo, Labuan and Banguey Isls (Malaysia), Java, Karimata Isls and South Natuna Isls (Indonesia), Cambodia, Laos and Vietnam (Csorba *et al.*, 2003: 70; Simmons, 2005: 352); *canuti* Thomas and Wroughton, 1909 – Java, Bali, Timor (Indonesia) (Csorba *et al.*, 2003: 22; Simmons, 2005: 352); ***capensis*** Lichtenstein, 1823; *celebensis* K. Andersen, 1905 – Java, Bali, Timor, Sulawesi, Sangihe, Kangean and Talaud Isls (Indonesia) (Csorba *et al.*, 2003: 72; Simmons, 2005: 352); ***clivosus*** Cretzschmar, 1828; *coelophyllus* Peters, 1867 – western Malaysia, Thailand, Burma, Laos (Csorba *et al.*, 2003: 24; Simmons, 2005: 353); *cognatus* K. Andersen, 1906 – Andaman Isls (India) (Csorba *et al.*, 2003: 99; Simmons, 2005: 353); ***cohenae*** Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012; *convexus* Csorba, 1997 – Peninsular Malaysia, Laos (Csorba *et al.*, 2003: 100; Simmons, 2005: 353); *cornutus* Temminck, 1834 – Japan (Csorba *et al.*, 2003: 102; Simmons, 2005: 353); *creaghi* Thomas, 1896 – Borneo, Madura Isl, Kalimantan (Indonesia), Sabah, Sarawak (Malaysia) (Csorba *et al.*, 2003: 25; Simmons, 2005: 354); ***darlingi*** K. Andersen, 1905; ***deckenii*** Peters, 1868; ***denti*** Thomas, 1904; ***eloquens*** K. Andersen, 1905; ***euryale*** Blasius, 1853; *euryotis* Temminck, 1835 – Aru Isls, Buru, Bacan, Amboina, Seram and Tanimbar Isls, Kai Isls, Halmahera and Sulawesi (Indonesia), New Guinea, Bismarch Arch, adjacent small islands (Csorba *et al.*, 2003: 27; Simmons, 2005: 355); ***ferrumequinum*** (Schreber, 1774); *formosae* Sanborn, 1939 – Taiwan (Csorba *et al.*, 2003: 124; Simmons, 2005: 355); ***fumigatus*** Rüppell, 1842; ***gorongosae*** Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018; ***guineensis*** Eisentraut, 1960; ***hildebrandtii*** Peters, 1878; ***hilli*** Aellen, 1973; ***hillorum*** Koopman, 1989; ***hipposideros*** (Brechstein, 1800); ***horaceki*** Benda and Vallo, 2012; *imaizumii* Hill and Yoshiyuki, 1980 – Iriomote Isl and Yaeyama Isl (Japan: Ryukyu Isls) (Csorba *et al.*, 2003: 104; Simmons, 2005: 357); *inops* K. Andersen, 1905 – Philippines except Palawan region (Csorba *et al.*, 2003: 29; Simmons, 2005: 357); *keyensis* Peters, 1871 – Many islands in Indonesia (Simmons, 2005: 357); ***landeri*** Martin, 1838; *lepidus* Blyth, 1844 – Afghanistan, Pakistan, northern India, Nepal, Burma, Thailand, Szechwan and Yunnan (China), Peninsular Malaysia, Sumatra (Indonesia) (Csorba *et al.*, 2003: 106; Simmons, 2005: 358); ***lobatus*** Peters, 1852; *luctus* Temmink, 1834 – India, Nepal, Burma, Sri Lanka, south China, Vietnam, Cambodia, Laos, Thailand, Peninsular Malaysia, Borneo, Sumatra, Java and Bali (Indonesia) (Csorba *et al.*, 2003: 126; Simmons, 2005: 358); ***mabuensis*** Taylor, Stoffberg, Monadjem, Scoeman, Bayliss and Cotterill, 2012; ***maclaudi*** Pousargues, 1897; *macrotis* Blyth, 1844 – Pakistan, northern India, Nepal to south China, Burma, Thailand, Laos, Vietnam and Peninsular Malaysia, Sumatra (Indonesia), Philippines (Csorba *et al.*, 2003: 87; Simmons, 2005: 358); *madurensis* K. Andersen, 1918 – Madura and Kangean Isls (Indonesia) (Simmons, 2005: 358); ***maendeleo*** Kock, Csorba and Howell, 2000; *malayanus* Bonhote, 1903 – Thailand, Burma, Cambodia, Laos, Vietnam, Peninsular Malaysia (Csorba *et al.*, 2003: 74; Simmons, 2005: 359); *marshalli* Thonglongya, 1973 – Thailand, Burma, Vietnam, Laos, Peninsular Malaysia (Csorba *et al.*, 2003: 89; Simmons, 2005: 359); *megaphyllus* Gray, 1834 – eastern New Guinea; Misima Isl (Louisiade Arch.), Goodenough Isl (D'Entrecasteaux Isls) and Bismarck Arch. (Papua New Guinea), Moluccas, Lesser Sundas, eastern Queensland, eastern New South Wales and eastern Victoria (Australia) (Csorba *et al.*, 2003: 76; Simmons, 2005: 359); ***mehelyi*** Matschie, 1901; *mitratus* Blyth, 1844 – India (Csorba *et al.*, 2003: 131; Simmons, 2005: 360); *monoceros* K.Andersen, 1905 – Taiwan (Csorba *et al.*, 2003: 108; Simmons, 2005: 360); *montanus* Goodwin, 1979 – Timor (Indonesia) (Csorba *et al.*, 2003: 91; Simmons, 2005: 360); ***mossambicus*** Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012; *nereis* K. Andersen, 1905 – Anamba and North Natuna Isls (Indonesia) (Csorba *et al.*, 2003: 78; Simmons, 2005: 360); *osgoodi* Sanborn, 1939 – Yunnan (China) (Csorba *et al.*, 2003: 109; Simmons, 2005: 360); *paradoxolophus* (Bourret, 1951) – Vietnam, Thailand, Laos and China (Csorba *et al.*, 2003: 92; Simmons, 2005: 360); *pearsoni* Horsfield, 1851 – northern India, Nepal, Bhutan, Burma, Tibet, Szechwan, Anhwei and Fukien (China) to

Vietnam, Laos, Thailand, Peninsular Malaysia (Csorba *et al.*, 2003: 83; Simmons, 2005: 360); *philippinensis* Waterhouse, 1843 – Phillipines, Kai Isls, Sabah, Sarawak and Sulawesi (Indonesia), Borneo, New Guinea, northeastern Queensland (Australia) (Csorba *et al.*, 2003: 94; Simmons, 2005: 361); *pusillus* Temminck, 1834 – India, Nepal, Thailand, Burma, Laos, south China, Peninsular Malaysia, Mentawai Isls, Java and Lesser Sunda Isls (Indonesia), small adjacent islands (Csorba *et al.*, 2003: 112; Simmons, 2005: 361); *rex* G. M. Allen, 1923 – southwestern China (Csorba *et al.*, 2003: 96; Simmons, 2005: 361); ***rhodesiae*** Roberts, 1946; *robinsoni* K. Andersen, 1918 – western Malaysia, Thailand, adjacent small islands (Simmons, 2005: 361); *rouxii* Temminck, 1835 – Sri Lanka, peninsular India to southern Burma and Vietnam (Csorba *et al.*, 2003: 117; Simmons, 2005: 362); *rufus* Eydoux and Gervais, 1836 – Philippines (Csorba *et al.*, 2003: 30; Simmons, 2005: 362); ***ruwenzorii*** J. Eric Hill, 1942; ***sakejiensis*** Cotterill, 2002; *sedulus* K. Andersen, 1905 – Peninsular Malaysia, Sarawak and Sabah (Malaysia), Borneo (Indonesia) (Csorba *et al.*, 2003: 128; Simmons, 2005: 362); *shameli* Tate, 1943 – Burma, Thailand, Laos, Cambodia, Peninsular Malaysia (Csorba *et al.*, 2003: 31; Simmons, 2005: 363); *shortridgei* K. Andersen, 1918 – northern India, Burma (Csorba *et al.*, 2003: 114; Simmons, 2005: 363); *siamensis* Gyldenstolpe, 1917 – Thailand, Laos, Vietnam (Simmons, 2005: 363); ***silvestris*** Aellen, 1959; ***simulator*** K.Andersen, 1904; ***smithersi*** Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012; *sinicus* K. Andersen, 1905 – southern China, Nepal, northern India, Vietnam (Csorba *et al.*, 2003: 119; Simmons, 2005: 363); *stheno* K. Andersen, 1905 – Vietnam, Thailand, Laos, Peninsular Malaysia, Sumatra and Java (Indonesia) (Csorba *et al.*, 2003: 80; Simmons, 2005: 363); *subbadius* Blyth, 1844 – northeastern India, Nepal, Vietnam, Burma (Csorba *et al.*, 2003: 115; Simmons, 2005: 364); *subrufus* K. Andersen, 1905 – Philippines except Palawan region (Csorba *et al.*, 2003: 33; Simmons, 2005: 364); ***swinnyi*** Gough, 1908; *thomasi* K. Andersen, 1905 – Burma, Vietnam, Thailand, Laos (Csorba *et al.*, 2003: 121; Simmons, 2005: 364); *trifoliatus* Temminck, 1834 – northeastern India, southwestern Thailand and Burma, Peninsular Malaysia, Sarawak and Sabah (Malaysia), Singapore, Borneo, Sumatra, Riau Archipelago, Banguey Isl, Java, Banka Isl and Nias Isl (Indonesia) (Csorba *et al.*, 2003: 130; Simmons, 2005: 364); *virgo* K. Andersen, 1905 – Philippines (Csorba *et al.*, 2003: 81; Simmons, 2005: 364); *yunanensis* Dobson, 1872 – Yunnan (China), Burma, Thailand, northeastern India (Csorba *et al.*, 2003: 85; Simmons, 2005: 365); ***ziama*** Fahr, Vierhaus, Hutterer and Kock, 2002.

Nesi *et al.* (2015: 1) indicate that the taxonomy and true number of species of African *Rhinolophus* remains unresolved because of the highly convergent morphology observed across taxa, and that the current species delimitation is based on slight variations in morphological measurements and echolocation call frequency. Due to the extensive phenotypic variation, these characters are not always very clearly separable and as such the true diversity of the the genus is most probably underestimated, based on these methods alone.

COMMON NAMES:
Czech: vrápenci, wrápenecové, vrápníkové, vrápeníkové, podkováčkové, vrápenec. Dutch: Hoefijzerneuzen. English: Horseshoe bats. French: Rhinolophes, Fers-à-cheval. German: Hufeisennasen, Hufeisennasen-Fledermäuse. Italian: Fèrri di cavàllo, Rinòlofi. Kiluba (DRC): Kasusu.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The approximate fossil date for the crown *Rhinolophus* is placed at about 37.2 MYA by Shi and Rabosky (2015: 1532).

Three or four *Rhinolophus* species were reported by Avery (2007: 619) from Pleistocene deposits at Wonderwerk Cave, South Africa.

Geraads *et al.* (2010: 279) reported the presence of *Rhinolophus* in Late Cenozoic (ca. 2.5 MYA) deposits in Ahl al Oughlam, Morocco.

BIOGEOGRAPHY:
See Servent *et al.* (2003: xii - xxiv) for discussion on phylogeny and biogeography of the horseshoe bats.
During the Miocene at about 17 Mya, *Rhinolophus* diversified into three distinct clades, two of these clades showed distinct geographical origins (Foley *et al.*, 2014: 320). In Eastern/South Eastern Asia represented by *R. trifoliatus* and *R. luctus* and East Asia represented by *R. pearsoni*, *R. sinicus*, *R. creaghi*, *R. shameli* and *R. pusillus*. While the clade that contains *R. hipposideros*, *R. ferrumequinum* and *R. euryale* is less clear indicating a widespread geographical origin including Europe, East Asia, Middle East and Africa.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Schmieder *et al.* (2015) studied the wing morphology of five species of European Rhinolophid bats, which also occur in northern Africa: *R. blasii, R. euryale, R. ferrumequinum, R. hipposideros*, and *R. mehelyi*, and they provide a table of geometric differences (p. 8).

DENTAL FORMULA:
The dental formula is variable, usually $^{1123}/_{2133}$ = 32.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
Santana and Lofgren (2013: 2521) investigated the evolution of skull morphology and modularity in the recent radiation of rhinolophid bats and predict that nasal echolocation has resulted in the evolution of a third cranial module (the 'nasal dome'), in addition to the two cranial modules conserved across mammals.

FUNCTIONAL MORPHOLOGY:
Jacobs *et al.* (2007a) found that in Africa the peak echolocation frequency was inversely correlated with size in the Rhinolophidae, while for rhinolophids from around the world, peak frequency was inversely correlated with forearm length. Similarly, there was an inverse correlation between mass and peak frequency, between forearm and peak frequency and between wing loading and peak frequency in the African Rhinolophidae (Jacobs *et al.*, 2007a).

ECHOLOCATION:
Jacobs *et al.* (2014: 2829) found that echolocation frequency was positively correlated with bite force, which suggests that its evolution is influenced by a trade-off between the masticatory and sensory functions of the skull. In support of this, variation in skull shape was explained by both echolocation frequency (80 %) and bite force (20 %). They also found that selection has acted on the nasal capsules, which have a frequency-specific impedance matching function during vocalization.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the following diurnal avian predators: African fish eagle (*Haliaeetus vocifer* (Daudin, 1800)), Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) [on either *landeri* or *fumigatus* or *hildebrandti*].

PARASITES:
BACTERIA
Bartonellae
Kamani *et al.* (2014: 628) tested 12 Nigerian "*Rhinolophus*" sp. and found at least 8 of them testing positive for *Bartonella* DNA.

HAEMOSPORIDA
Schaer *et al.* (2015: 381) found *Nycteria* sp. parasites in *Rhinolophus* sp. 1 from South Sudan. The same bat species was also infected by *Nycteria* cf. *gabonensis*. Perkins and Schaer (2016: Suppl.) also reported *Nycteria krampitzi* Rosin, Landau and Hugot, 1978 from the Republic of Congo and Gabon.

Wünschmann *et al.* (2010: 178) refer to Boulard (1975), who reported the first case of renal coccidiosis in a bat (on *H. caffer* and *Rhinolophus* sp.) from Sierra Leone and the Congo and caused by *Klossiella killicki*.

Garnham (1973: 236) refers to Anciaux de Faveaux for a *Polychromophilus ? murinus* from "Africa".

HEMIPTERA
Cimicidae: Haeselbarth *et al.* (1966: 10) records that only three males of *Loxaspis setipes* Ferris and Usinger, 1957 are known from unknown *Rhinolophus*, from Lukolela, Congo.

DIPTERA
Streblidae: *Brachytarsina africana* (Walker, 1849) is a typical ectoparasite of the genus *Rhinolophus* in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100). *Ascodipteron brevior* Maa, 1965 from Sudan (Haeselbarth *et al.*, 1966: 106). *Ascodipteron lophotes* Monticelli, 1898 from Yemen (Haeselbarth *et al.*, 1966: 106). *Raymondia alulata* Speiser, 1908 (Shapiro *et al.*, 2016: 253). *Raymondia aspera* Maa, 1968 (Shapiro *et al.*, 2016: 253). *Raymondia boquieni* Vermeil, 1965 from Congo and the DRC (Shapiro *et al.*, 2016: 254). *Raymondia huberi huberi* Frauenfeld, 1855 (Shapiro *et al.*, 2016: 254). *Raymondia intermedia* Jobling, 1936 (Shapiro *et al.*, 2016: 255). *Raymondia seminuda* Jobling, 1954 (Shapiro *et al.*, 2016: 255). *Raymondia setiloba* (Jobling, 1954) (Shapiro *et al.*, 2016: 256). *Raymondia waterstoni* Jobling, 1931 (Shapiro *et al.*, 2016: 256). *Raymondia* sp. B (Shapiro *et al.*, 2016: 257).

Nycteribiidae: *Nycteribia integra* Theodor and Moscona, 1954 common in Egypt (Haeselbarth *et al.*, 1966: 109). *Nycteribia ovalis* Theodor, 1957 from Tanzania (Haeselbarth *et al.*, 1966: 110). *Nycteribia tecta* Theodor, 1957 (Haeselbarth *et al.*, 1966: 110). *Dipseliopoda biannulate* (Oldroyd, 1953) from the Sudan (Haeselbarth *et al.*, 1966: 116). Kamani *et al.* (2014: 628) reported the presence of *Cyclopodia greeffi* Karsch, 1884 on bats from Nigeria.

SIPHONAPTERA
Ischnopsyllidae: Members of the genus *Rhinolophopsylla* Oudemans, 1909 are known to be parasites of *Miniopterus* and *Rhinolophus* (Haeselbarth *et al.*, 1966: 191).

ACARI
Myobiidae: Fain (1994: 1280) indicates that only two endemic genera are found on *Rhinolophus* species: *Neomyobia* with 13 species and three

subspecies, and *Rhinomyobia* with one species. Another genus/species - *Calcarmyobia rhinolophi* - was described from *Rhinolophus lobatus*, but this probably should be from *Miniopterus natalensis arenarius* (Uchikawa, 1985a: 15).

VIRUSES:

Adenoviridae

These viruses were found by Waruhiu *et al.* (2017) in bats from Kenya.

Coronaviridae

Tao *et al.* (2017: 3) found 28.9 % (13 out of 45) of the Kenyan *Rhinolophus* sp. Specimens they tested to be positive for CoV.

Paramyxoviridae

1 out of nine tested *Rhinolophus* sp. from Cameroon was found to test positive for *Paramyxovirus* sequences by Mortlock *et al.* (2015: 1841).

Rhabdoviridae

Lyssavirus - Rabies related viruses

Horton *et al.* (2014: Table S1) tested 16 Kenyan *Rhinolophus* sp. specimens, but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:

"Africa", Algeria, Angola, Benin, Burundi, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Egypt, Equatorial Guinea, Ethiopia, Kenya, Morocco, Mozambique, Namibia, Senegal, Somalia, South Africa, South Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe.

†***Rhinolophus maghrebensis*** Gunnell, Eiting, and Geraads, 2011

*2011. *Rhinolophus maghrebensis* Gunnell, Eiting, and Geraads, N. Jb. Geol. Paläont. Abh., 260 (1): 56, figs 3A, 7A. Publication date: January 2011. Type locality: Morocco: Ahl al Oughlam [ca. 33 35 N 07 30 W] [Goto Description]. Holotype: INSAP AaO 4655:. right maxilla with P4-M3. Paratype: INSAP AaO 4673:. Left dentary p4-m3. - Etymology: Name taken from *Maghreb* ("countries of the setting sun"), the Arabic name for north-western African countries (Morocco, Algeria, Tunisia) (see Gunnell *et al.*, 2011: 56). (Current Combination)

2013. *Rhinolophus maghrebiensis:* Stoetzel, Palaeog., Palaeoclim., Palaeoecol., 392: 373. Publication date: 29 September 2013. (Lapsus)

TAXONOMY:

Gunnell *et al.* (2011: 56) describe it as a large species of the *Rhinolophus ferrumequinum* phenotypic group - larger than extant African *Rhinolophus* species *R. alticolus, R. blasii, R. euryale, R. denti, R. landeri, R. mehelyi, R. hipposideros*, and *R. simulator*, smaller than *R. hildebrandtii*.

†***Rhinolophus mellali*** Lavocat, 1961

*1961. *Rhinolophus ferrumequinum mellali* Lavocat, Notes Mém. Serv. Mines Carte geol. Maroc, 155: xxx. Type locality: Morocco: Beni Mellal. - Comments: The holotype consists of a left mandibular fragment with I, C, P_2-M_1 (Marandat, 1994: 60).

? *Rhinolophus mellali:* (Current Combination)

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:

Early late Miocene.

GENERAL DISTRIBUTION:

Northern Africa (Gunnell *et al.*, 2011: 70).

Rhinolophus adami Aellen and Brosset, 1968

*1968. *Rhinolophus adami* Aellen and Brosset, Rev. suisse Zool., 75 (14): 443. Type locality: Congo: Kouilou [ca. 04 00 N 12 00 E] [Goto Description]. Holotype: MNHN ZM-MO-1968-408: ad ♀, alcoholic (skull not removed). Collected by: Jean-Paul Adam; collection date: 9 January 1967; original number: 12/8G. 3 paratypes see Aellen and Brosset (1968: 443). Paratype: MHNG 1129.84: skull only. - Etymology: In honour of J.-P. Adam, the collector of the type specimen. (Current Combination)

TAXONOMY:

Kock *et al.* (2000) place it in the *adami* species group, followed by Csorba *et al.* (2003: xvi, 4 - 5) and Simmons (2005: 351). Species group

reviewed by Kock *et al.* (2000). See Csorba *et al.* (2003: 5) for taxonomic background.

COMMON NAMES:
Czech: vrápenec Adamův. English: Adam's Horseshoe Bat, Congo Horseshoe Bat. French: Rhinolophe du Congo. German: Adams Hufeisennase.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Jacobs *et al.*, 2008x; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs *et al.*, 2008x; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004ab; IUCN, 2004). 1996 - DD (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are currently unknown. It is possible that it is threatened by cave disturbance, however, this needs to be confirmed (Jacobs *et al.*, 2008x; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008x) [in IUCN (2009)] report that it is not known if the species is present in any protected areas. Further studies are needed into the distribution, abundance, natural history, and threats to this species.

GENERAL DISTRIBUTION:
Rhinolophus adami is known only from the type series collected in Kimanika cave, Kouilou, in the Republic of Congo.

Native: Congo (Aellen and Brosset, 1968; Csorba *et al.*, 2003: 5; Simmons, 2005:351).

DETAILED MORPHOLOGY:
Baculum - See Csorba *et al.* (2003: 4).

POPULATION:
Structure and Density - It is known only from ten specimens held in the Paris and Geneva museums (Aellen and Brosset, 1968), and may be naturally rare, however, this requires confirmation (Jacobs *et al.*, 2008x; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008x; IUCN, 2009).

PARASITES:
Adam and Landau (1973a: 5) report on the presence of a protozoan parasite of the genus *Polychromophilus* (Haemoproteidae) in *R. adami* from the Republic of Congo. About 50 % of the specimens they examined were found to be infected. Gametocytes were found year-round. The bats were also infested (in low numbers) by the nycteribiid flies *Penicillidia fulvida* Bigot, 1885 and *Nycteribia schmidlii scotti* Falcoz, 1923, of which the prior was a major carrier of *Polychromophilus* sporozoites.

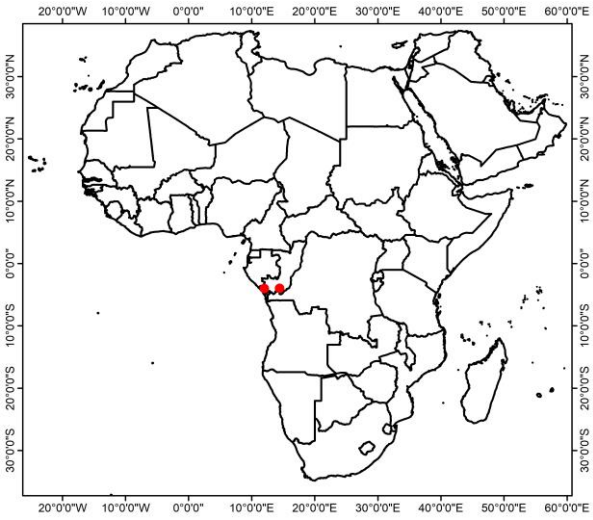

Figure 73. Distribution of *Rhinolophus adami*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo.

Rhinolophus alcyone Temminck, 1853

*1853. *Rhinolophus alcyone* Temminck, Esquisses zoologiques sur la Côte de Guiné. 1e partie, les Mammifères., 80. Type locality: Ghana: Boutry River [=Butre river] [ca. 04 49 N 01 55 W] [Goto Description]. Holotype: RMNH MAM.35892. Allen (1939a: 73) notes: 'Type in Leiden Mus., but description has not "one single word of any value for identifying the species or determining its affinities" - K. Andersen'. - Comments: Allen (1939a: 73), Kock (1969a: 121), Grubb *et al.* (1998: 77) mention 1852 as year of publication. - Etymology: alcyone: "[=Alkuone] mythological name for the kingfisher" and this is sometimes written as "Halcyon". Alkuone herself is the "daughter of Aiolos, who threw herself in the sea, where her husband Keüks (or Ceyx) was drowned. Thetis changed her in a kingfisher and her husband in a seagull". (Current Combination)

TAXONOMY:
Forms part of the *landeri* species group (Csorba *et al.*, 2003: 55 - 57; Simmons, 2005: 351). See Csorba *et al.* (2003: 56) for remarks on taxonomy.

COMMON NAMES:
Czech: vrápenec Alcyone. English: Halcyon Horseshoe Bat. French: Rhinolophe Alcyon, Rhinolophe d'Halcyon. German: Temmincks Hufeisennase, Rothen Kamnase. Spanish (Castillian): Murciélago de Herradura

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008y; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008y; IUCN, 2009). 2004 -LC ver 3.1 (2001) (Jacobs *et al.*, 2004y; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
This widespread species is threatened in parts of its range by habitat loss, largely resulting from logging and conversion of land to agricultural use. In some areas the species is hunted for food, although it is unclear whether this represents a major threat (Jacobs *et al.*, 2008y; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008y) [in IUCN (2009)] reported that it is not known if the species is present in any protected areas. Further studies are needed into the taxonomy and distribution of this species.

GENERAL DISTRIBUTION:
Rhinolophus alcyone ranges through much of West and Central Africa. It has been recorded from Senegal in the west through to Togo, and then from Nigeria to southern Sudan and western Uganda, with patchy records from the Congo basin (although it likely occurs throughout the Congo). It ranges as far south as central Democratic Republic of the Congo.

The record of this species from Gabon needs to be reexamined as it may represent a misidentified specimen of *Rhinolophus sylvestris* (Dowsett *et al.*, 1991).

Amori *et al.* (2016: 219) pointed out that a number of localities, originally situated in Togo, are currently in Ghana.

Native: Bioko, Burkina Faso (Kangoyé *et al.*, 2012: 6025; 2015a: 610); Cameroon; Central African Republic (Lunde *et al.*, 2001: 537); Congo (Dowsett *et al.*, 1991: 259); Congo (The Democratic Republic of the) (Monadjem *et al.*, 2010d: 555); Côte d'Ivoire; Equatorial Guinea; Gabon (?); Ghana; Guinea (Fahr and Ebigbo, 2003: 128); Guinea-Bissau (Rainho and Ranco, 2001: 47); Kenya; Liberia (Monadjem and Fahr, 2007: 50); Nigeria; Senegal; Sierra Leone; Sudan; Togo (?); Uganda.
Presence uncertain: Gabon.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Young (1975: 76) indicates that two distinct colour phases can be found: rufous (orange) and grey.

ECHOLOCATION:
In Guinea, Fahr and Ebigbo (2003) reported the frequency of the CF-component at 67.4 kHz.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003) and Lim (2007).
Karyotype - Unknown.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - This species is easily found in colonies of up to 20 animals (Jacobs *et al.*, 2008y; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008y; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Csorba *et al.* (2003: 57) refer to Kingdon (1984), who indicated that three females from western Uganda were pregnant in mid-June, whereas a fourth one was lactating. One birth was reported in September.

PARASITES:
HAEMOSPORIDA
Schaer *et al.* (2013a: 17416; 2015: 381) report the presence of hemosporidian parasites of the genus *Nycteria* in one investigated bat from Côte d'Ivoire. In the DRC, Karadjian *et al.* (2016: 9835) found *R. alcyone* specimens infected with *Nycteria gabonensis* Rosin, Landay & Hugot 1978.

DIPTERA
Streblidae: *Raymondia allisoni* Theodor, 1968 from Ghana (Shapiro *et al.*, 2016: 253).

Nycteribiidae: *Nycteribia inopinata* Theodor, 1957 from Ebolowa, Cameroon (Haeselbarth *et al.*, 1966: 109).

VIRUSES:
Hepadnaviridiae
Hepatitis B virus (HBV)

Drexler *et al.* (2013c: 16152) report on one *R. alcyone* on 16 examined specimens from Gabon that was positive for horseshoe bat HBV (HBHBV).

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that none of the 15 specimens they examined from Gabon tested positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

Rhabdoviridae
Lyssavirus - Rabies related viruses
2006 in Nigeria, Dzikwi *et al.* (2010: 269) tested 43 brains by direct fluorescent antibody (DFA) and mouse inoculation test (MIT) which tested negative for lyssavirus antigens.
Lagos bat virus (LBV) - In 2006, 2 individuals from Nigeria were serum tested by a modified rapid fluorescent focus inhibition test (RFFIT), none tested positive for neutralizing anitibodies (Dzikwi *et al.*, 2010: 269).
Mokola virus (MOKV) - In 2006, 2 individuals from Nigeria were serum tested by a modified rapid fluorescent focus inhibition test (RFFIT), none tested positive for neutralizing anitibodies (Dzikwi *et al.*, 2010: 269).

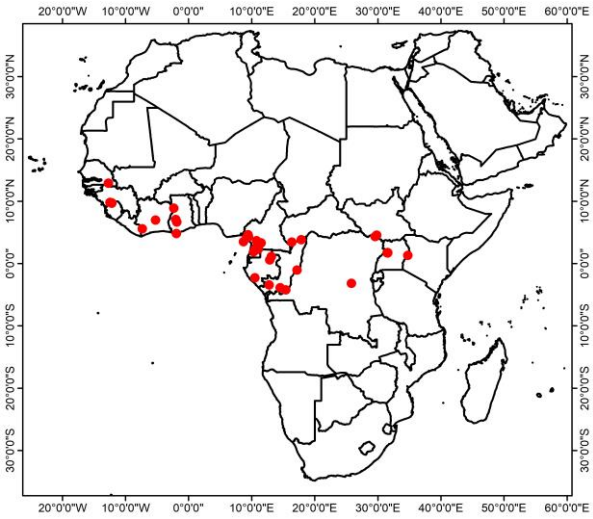

Figure 74. Distribution of *Rhinolophus alcyone*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Nigeria, Senegal, Sierra Leone, Uganda.

Rhinolophus blasii Peters, 1867

1857. *Rhinolophus clivosus:* Blasius, Säugethiere Deutschlands, 33, figs 10, 11. Type locality: Italy: "Italy". - Comments: Preoccupied by *clivosus* Cretzschmar, 1828 (see Corbet and Hill, 1992: 100 and Pavlinov *et al.*, 1995: 81).

*1867. *Rhinolophus blasii* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 17 (for 1866). Publication date: 1867. Type locality: Italy: "Italy". Holotype: ZMB 557: ♂, alcoholic (skull not removed). Collected by: Johan Heinrich Blasius. See Turni and Kock (2008). - Comments: Type locality originally SE Europe, but restricted to Italy by Ellerman *et al.* (1953: 59), and Trieste (see Turni and Kock (2008). - Etymology: In honour of the German naturalist Johann Heinrich Blasius (1809 - 1870) (see Kozhurina, 2002: 14). (Current Combination)

1904. *Rhinolophus empusa* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 14 (83): 378. Publication date: 1 Novmber 1904. Type locality: Malawi: Zomba [15 23 S 35 19 E,, 800 - 900 m] [Goto Description]. Holotype: BMNH 1893.7.9.33: ad ♀. Collected by: Mr. Alex Whyte (F.Z.S); collection date: January 1893. - Comments: Considered a valid subspecies by Ansell and Dowsett (1988: 33), Taylor (1998: 37).

1905. *Rhinolophus andreinii* Senna, Arch. Zool. ital., 2: 256, pl. 16, f. 1; pl. 18, f. 7 - 16. Publication date: 30 September 1905. Type locality: Eritrea: Adi Ugri [14 53 N 38 49 E, 1 900 m].

1910. *Rhinolophus blasiusi* Trouessart, Fauna des Mammifères d'Europe, 9.

1910. *Rhinolophus brockmani* Thomas, Ann. Mag. nat. Hist., ser. 8, 5 (26): 192. Publication date: 1 February 1910. Type locality: Somalia: Upper Sheikh [4 500 ft] [Goto Description]. Holotype: BMNH 1909.12.17.4: ad ♀. Collected by: Dr. Ralph Evelyn Drake-Brockman; collection date: 13 November 1909; original number: 237. Thomas (1910a: 193) mentions two specimens. - Etymology: In honour of Dr. R.E. Drake-Browkman, the collector of the type specimen.

? *Rhinolophus blasii andreinii:* (Name Combination)

? *Rhinolophus blasii empusa:* (Name Combination)

TAXONOMY:
Includes *brockmani*; see Koopman (1975: 383). Replacement for *clivosus* Blasius, 1857, which was preoccupied (see Ansell and Dowsett, 1988:

33). Part of the *landeri* species group (Csorba *et al.*, 2003: 57 - 59; Simmons (2005: 351 - 352). See Csorba *et al.* (2003: 58 - 59) for remarks on taxonomy.

Herkt *et al.* (2017: Appendix S9) indicate that three subspecies are recognized in continental Africa which are relatively isolated geographically: *blasii* in Northwest Africa, *andreinii* in Ethiopia and *empusa* in southern Africa. No genetic tests have been performed yet to check the validity of these taxa. The analyses carried out by Herkt *et al.* (2017), however, indicatte substantial ecological niche differences as well as major geographic gaps in suitable habitat areas between them.

COMMON NAMES:
Afrikaans: Spitssaalneusvlermuis. Albanian: Lakuriq nate hundpatkua I Blasius-it. Croatian: Blazijev potkovnjak. Czech: vrápenec Blasiův, vrapenec pahrbeční. Dutch: Blasius-hoefijzerneus. English: Peters's Horseshoe Bat, Blasius's Horseshoe bat, Peak-saddle Horseshoe Bat. French: Rhinolophe de Blasius, Rhinolophe à selle pointue. German: Blasius-Hufeisennase, Blasius Hufeisennase. Greek: Ρινόλοφος του Blasius. Italian: Rinòlofo di Blàsius, Fèrro di cavàllo di Blàsius. Macedonian: Blasiev Potkovichar. Portuguese: Morcego ferradura de nariz de sela. Romanian: Liliacul-lui-Blasius. Spanish (Castillian): Rinolofo de Blasius, Murcielago Dalmata De Herradura.

CONSERVATION STATUS:
Global - Assessed as Least Concern (LC ver 3.1 (2001)). Widespread, although patchily distributed. There are some large colonies and the global population is likely to considerably exceed 10,000. Although the population is declining in some areas (e.g. western Balkans), it is stable in others (Jacobs *et al.*, 2008ag; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008ag; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Jacobs *et al.*, 2004x; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - NT D1 ver 3.1 (2001) (Jacobs *et al.*, 2016b). 2004 - VU D2 ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
Threats to the species include loss of Mediterranean woodlands, disturbance and loss of underground habitats, and destruction of roost sites (Kryštufek, 1999). In a number of range states the species is disturbed by tourist visits to caves and by use of the caves as shelters for livestock (Jacobs *et al.*, 2008ag; IUCN, 2009).

The most important risk factors related to climatic change were identified by Sherwin *et al.* (2012: 174) as being their roosting in caves/trees, the aerial feeding style and its long-distance dispersal. Bilgin *et al.* (2012: 434) predict that *R. blasii* will have a major range contraction as a result of climatic change.

CONSERVATION ACTIONS:
Jacobs *et al.* (2008ag) [in IUCN (2009)] reported that *Rhinolophus blasii* is protected by national legislation in some range states. There are international legal obligations for the protection of this species through the Bonn Convention (Eurobats) and Bern Convention in areas to which these apply. It is included in Annex II (and Annex IV) of the EU Habitats and Species Directive, and hence requires specific conservation measures in some range states, including the designation of Special Areas for Conservation. It occurs in some protected areas. Taxonomic research is needed to clarify the status of the African populations. Monitoring and protection of caves is also required.

GENERAL DISTRIBUTION:
Rhinolophus blasii has a large range in the Palaearctic and the Afrotropics, throughout which it is widely but patchily distributed. Its range extends marginally into the Indomalayan region.

In Africa, it occurs from northeastern South Africa and the Democratic Republic of Congo, through south Malawi, to East African, Ethiopia and Somalia, and in North Africa. Follow Taylor (2000) for southern African distribution. In North African it is only present in Morocco and Algeria (it may occur in Tunisia but there are no confirmed records yet, and likewise for Egypt). Altitude range is from sea level to 1,400 m.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 602,154 km^2. In South Africa, its distribution is strongly associated with the amount of precipitation in the warmest quarter of the year (Babiker Salata, 2012: 49).

In Asia, it has a patchy distribution extending from Turkey in the west to Pakistan in the east, and from the Caucasus in the north to Yemen in the south (Simmons, 2005). It was confirmed in Georgia in 2006 (Z. Nagy *pers. obs.*). In Europe, it is extinct in northeastern Italy and has not been recorded in Slovenia during the last 50 years (Kryštufek, 2001). Also recorded from western Anatolia and from the Levant (Syria, Lebanon, Jordan,

Palestine and Israel). It is now restricted to the Balkan peninsula and to some Mediterranean islands including Crete and Cyprus. There are no recent records in Romania and northern Bulgaria despite intensive work by Christian Dietz (Z. Nagy *pers. comm.,* 2006). Past records from this area are disputed: no specimen has been found in museums in Romania, and the presence of *R. euryale* in the same area might have caused confusion (Z. Nagy *pers. comm.,* 2006).

It occurs from sea level to 2,215 m in Yemen.

Native: Afghanistan; Albania; Algeria; Armenia; Austria; Azerbaijan; Bosnia and Herzegovina; Botswana; Bulgaria; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 555); Croatia; Cyprus; Eritrea; Ethiopia; Greece (Kriti); Iran, Islamic Republic of; Israel; Italy; Jordan; Libyan Arab Jamahiriya; Malawi (Ansell, 1978; Happold *et al.*, 1988; Happold and Happold, 1997b: 818; Monadjem *et al.*, 2010d: 555); Montenegro; Morocco (Benda *et al.*, 2010a: 157; El Ibrahimi and Rguibi Idrissi, 2015: 359); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 555; Monadjem *et al.*, 2010c: 377); Oman; Pakistan; Palestinian Territory, occupied; Serbia; Somalia; South Africa (Monadjem *et al.*, 2010d: 555); Swaziland (Monadjem, 2005: 5; Monadjem *et al.*, 2010d: 555); Syrian Arab Republic; Tanzania; Tunisia (Aellen and Strinati, 1970; Cockrum, 1996; Dalhoumi *et al.*, 2011; 2014: 53); Turkey; Turkmenistan; Yemen; Yugoslavia; Zambia (Ansell, 1969; Ansell, 1978; Monadjem *et al.*, 2010d: 555); Zimbabwe (Monadjem *et al.*, 2010d: 555).
Possibly extinct: Slovenia.

DETAILED MORPHOLOGY:
Baculum - See Csorba *et al.* (2003: 4).

In their study on take-off performance, Gardiner *et al.* (2014: 1059) determined a wing beat frequency of 12.96 ± 0.27 Hz.

FUNCTIONAL MORPHOLOGY:
In a study of flight-initiating jumps, Gardiner and Nudds (2011: 2187) found that the ground gleaning *R. blasii* did not outperform the fast-flying hawker (*Miniopterus schreibersii*) nor the trawling (*Myotis capaccinii*), although it spends a major part of its time foraging on the ground.

ECHOLOCATION:
Jacobs *et al.* (2007a) reported for individuals from South Africa a peak frequency of 86.6 (± 0.7) kHz (detector type not reported), while Monadjem *et al.* (2007a), using an Anabat detector, reported the same peak frequency albeit a different standard deviation (± 0.23) for an individual from Swaziland. Also from Swaziland, Monadjem *et al.* (2017c: 179) reported F_{min}: 79.4 ± 1.86 (77.9 - 81.5) kHz, F_{knee}: 86.3 ± 0.24 (86.1 - 86.6) kHz, F_c: 86.2 ± 0.21 (86.0 - 86.4) kHz, duration: 20.8 ± 0.72 (19.9 - 21.3) msec. Monadjem *et al.* (2010c: 377) reported for Mozambique that peak echolocation frequencies ranged between 93.2 - 95.4 kHz (ANABAT, Petterson D240x).

Jones and Siemers (2010: 449 - 450) indicated that females emit pulses with a higher frequency than males, and that juveniles emit lower frequencies than adults.

Papadatou *et al.* (2008b: 132) report the following data for 37 Greek specimens: F_{start}: 90.3 ± 4.85 kHz, F_{end}: 78.1 ± 4.48 kHz, F_{peak}: 94.0 ± 0.92 kHz, bandwidth: 4.0 ± 1.65 kHz, duration 44.1 ± 12.14 msec and interpulse interval: 71.8 ± 23.10 msec.

The following data for 10 Iranian calls were reported by Benda *et al.* (2012a: 182): F_{start}: 94.0 ± 0.1 (94.2 - 94.4) kHz, F_{end}: 92.0 ± 0.1 (91.8 - 92.1) kHz, F_{peak}: 93.1 ± 0.1 (93.0 - 93.3) kHz, duration: 48.6 ± 9.4 (40.1 - 68.3) msec and interpulse interval: 109.3 ± 5.6 (103.1 - 117.1) msec.

Walters *et al.* (2012: suppl.) report the following figures for 26 calls (4 sequences) from bats from Algeria and Greece: duration: 44.90 ± 8.52 msec, F_{max}: 95.51 ± 1.34 kHz, F_{min}: 80.58 ± 3.52 kHz, bandwidth: 14.93 ± 3.82 kHz, F_{peak}: 95.41 ± 1.33 kHz.

Disca *et al.* (2014: 226) indicate that in Morocco the type of call is FM-FC-FM, with F_{peak}: 96.7 ± 0.3 kHz and duration: 20.7 ± 4.9 msec.

MOLECULAR BIOLOGY:
DNA - Unknown.

Karyotype - Đulic (1967) reported 2*n* = 58, FN = 60, BA = 4, a submetacentric X and an acrocentric Y for specimens from Croatia. Qumsiyeh *et al.* (1986) and Rautenbach (1986) also reported 2*n* = 58, FN = 60, BA = 4, but differed in the X chromosome being reported in the respective publications as metacentric and submetacentric, and the Y chromosome as acrocentric and metacentric. Arslan and Zima (2014: 9) report that the autosomal complement consists of two medium-size bi-armed pairs and 26 acrocentric pairs, with one of the acrocentrics having a secondary constriction.

Protein / allozyme - Unknown.

HABITS:
Siemers and Ivanova (2004: 470) report that *R.*

blasii uses aerial and foliage-gleaning in flight, as well as ground-gleaning (including landing) to detect and capture their prey.

DIET:
In northern Algeria, Ahmim and Moali (2013: 46) found that *R. blasii* droppings contained 96.87 % Insecta and 3.13 % Chilopoda. The most frequent insect preys were Diptera (37.50 %), specifically Chironomidae/Ceratopogonidae (9.38 %), Culicidae, Anisopodidae and Sphaeroceridae (6.25 %). Trichoptera also were frequently present (15.63 %), followed by Lepidoptera and Hemiptera (both 12.50 %).

Gardiner *et al.* (2014: 1058) assessed its foraging strategy as "low altitude slow aerial hawking", sometimes with gleaning.

POPULATION:
Structure and Density - Africa: Not very common. Asia: This species has a widespread distribution and the populations in Pakistan and Afghanistan seem to be stable and doing well (Molur *et al.*, 2002). Europe: A rare or infrequent species, probably the rarest horseshoe bat in Europe (Kryštufek, 1999). Summer colonies of ca. 20 - 30 are typical, although up to 400 females may be found in a single colony. In winter, it congregates in mixed-species clusters with other *Rhinolophus* species (up to 2,000 animals in Serbia). There are large colonies in Serbia, Bulgaria and Greece. It is suspected to be declining because of loss of Mediterranean woodlands and cave disturbance, and is considered vulnerable in many range states (e.g., the western Balkans); however, the populations in the eastern Balkans are stable (Mediterranean Workshop, 2007) (Jacobs *et al.*, 2008ag; IUCN, 2009).
Trend - 2008 - Decreasing (Jacobs *et al.*, 2008ag; IUCN, 2009). *R. blasii* populations within the Asia Minor and Levant region are predicted to have a declining population trend, under climate change scenarios (Bilgin *et al.*, 2012: 433).

PARASITES:
Ševcík *et al.* (2012: 35) report on the presence of the bat flies *Phthiridium biarticulatum* Hermann, 1804 (Nycteribiidae) and *Brachytarsina flavipennis* Macquart, 1851 (Streblidae) on bats from Cyprus. The same parasites were found by Benda *et al.* (2010b: 243) in Jordan. *B. flavipennis* was also reported from Iran by Benda *et al.* (2012a: 255). Benda *et al.* (2010b) also refer to previous records of *Penicillidia conspicua* Speiser, 1901 and *P. dufourii* (Westwood, 1835) from Palestine, *Phthiridium integrum* (Theodor and Moscona, 1954) and *Penicillidia fulvida* (Bigot, 1885) from Yemen (all Nycteribiidae); a streblid *Ascodipteron africanum rhinolophi* Jobling, 1958 from Yemen; and an ischnopsillid *Rhinolophopsylla unipectinata* (Taschenberg, 1880) from Yemen.

Nycteridocoptes eyndhoveni Fain, 1959 (Acari: Sarcoptidae) was reported from "*R. blasii empusa*" from Tanganika Moba, DCR by Fain (1959a: 341).

Streblidae: *Brachytarsina africana* (Walker, 1849) has a wide distribution in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100). *Raymondia alulata* Speiser, 1908 (Shapiro *et al.*, 2016: 253). *Raymondia hardyi* Fiedler, 1954 (Shapiro *et al.*, 2016: 254). *Raymondia waterstoni* Jobling, 1931 (Haeselbarth *et al.*, 1966: 104). *Ascodipteron lophotes* Monticelli, 1898 (Haeselbarth *et al.*, 1966: 106, but Maa (1965) suggests that these records need verification).

Nycteribiidae: *Nycteribia integra* Theodor and Moscona, 1954 (Haeselbarth *et al.*, 1966: 109). *Penicillidia fulvida* (Bigot, 1885) (Haeselbarth *et al.*, 1966: 114).

Bendjeddou *et al.* (2017: 15) reported the following ectoparasites from Algerian bats: Nycteribiidae: *Nycteribia (Nycteribia) latreillii* (Leach, 1817), *Penicillidia (Penicillidia) dufourii* Westwood, 1835 and *Phthiridium biarticulatum* Hermann, 1804; Streblidae: *Brachytarsina (Brachytarsina) flavipennis* Macquart, 1851 and Arachnida: *Eyndhovenia euryalis* (G. Canestrini, 1885).

VIRUSES:
Coronaviridae - Coronaviruses
Luis *et al.* (2013: suppl.) mention the presence of BatCoV BB98-15 and a SARS coronavirus-related virus.

Alphacoronavirus
Kohl and Kurth (2014: 3112) reported this virus from German bats.
Betacoronavirus
Reported from bats from Bulgaria and Germany by Kohl and Kurth (2014: 3112).

Polyomaviridae
Carr *et al.* (2017) reported two new virsuses from *R. blasii* from Zambia: *Rhinolophus blasii polyomavirus 1* and *Rhinolophus blasii polyomavirus 2*.

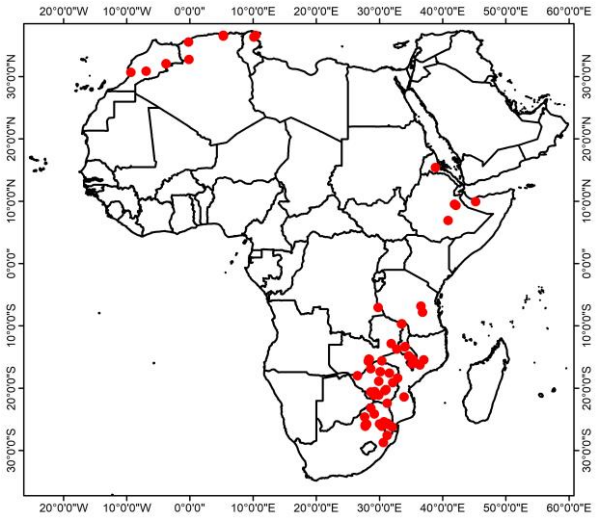

Figure 75. Distribution of *Rhinolophus blasii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Congo (Democratic Republic of the), Eritrea, Ethiopia, Italy, Malawi, Morocco, Mozambique, Somalia, South Africa, Swaziland, Tanzania, Tunisia, Zambia, Zimbabwe.

Rhinolophus capensis Lichtenstein, 1823

*1823. *Rhinolophus capensis* Lichtenstein, Verzeichniss der Doubletten des Zool. Mus. K. Univ. Berlin, 4. Type locality: South Africa: Cape province: Cape of Good Hope [ca. 33 56 S 18 28 E]. Lectotype: ZMB 377: juv, skin and skull. Collected by: Krebs; collection date: 1822. Skull damaged. Lectotype designated by Turni and Kock (2008: 32). - Comments: Turni and Kock (2008: 32) also indicate that originally there were two additional specimens, which might have been sold to an unknown collection. Furthermore, Turni and Kock (2008: 32) mention that ZMB 376 and 378, which were longtime considered syntypes of *capensis*, were re-identified by Karl Koopman as belonging to *Rhinolophus clivosus* Cretzschmar, 1828. - Etymology: Referring to Cape of Good Hope or the Cape province, from where the type specimen was obtained. (Current Combination)

1860. *Rhinolophus auritus* Sundevall, Kongl. Svenska Vet.-Akad. Hand., ser. 2, 2: no 10, p. 13, footnote. Type locality: South Africa: Southern Cape province: Cape of Good Hope, near Knysna: Belvedere [ca. 33 53 S 22 59 E]. Holotype: NRM ♂. Collection date: 3 April 1854. Victorin; Grill 1859; Mam. Ex. No. 1907: see Andersen (1904c: 456).

TAXONOMY:
Part of the *capensis* species group (Csorba *et al.*, 2003: 7 - 8; Simmons, 2005: 352). See Csorba *et al.* (2003: 8) for remarks on taxonomy. Reviewed by Stoffberg (2008).

COMMON NAMES:
Afrikaans: Kaapse saalneusvlermuis, Kaapse Vlermuis. Czech: vrápenec jihoafrický. English: Cape Horseshoe Bat, Southern Africa horseshoe bat. French: Rhinolophe d'Afrique du Sud, Rhinolophe du Cap. German: Kap-Hufeisennase, Capischen Kamnase, Russbraunen Kamnase. Portuguese: Morcego ferradura de cabo.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
De Graaf (1960) identified material as *R* cf. *capensis* from the Late Pliocene, at Makapansgat, South Africa. Avery and Avery (2011: 16) reported Holocene remains from Blinkklipkop, Powerhouse Cave, Wonderwerk (Northern Cape province, South Africa), as well as Pleistocene remains from the latter locality.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population (there are many records of this species from coastal caves), and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008z; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008z; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Jacobs *et al.*, 2004w; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Jacobs *et al.*, 2016c). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
The species is threatened in parts of its range by disturbance of cave roosts (often by recreational and tourism activities), and the conversion of suitable foraging habitat to agricultural use (Jacobs *et al.*, 2008z; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008z) [in IUCN (2009)] reported this species as present in some protected areas. There is a need to identify and protect important roost sites for this species. Further studies are needed into the distribution of this species.

GENERAL DISTRIBUTION:
Rhinolophus capensis is restricted to the coastal belt of the Northern Cape, the Western Cape and the Eastern Cape of South Africa, as far east along the coast as the vicinity of East London (Csorba *et al.*, 2003: 8; Stoffberg, 2008: 2). Odendaal *et al.* (2014: 4) indicate that the geographic range of *R. capensis* is determined by two environmental gradients that influence the regional rainfall patterns. First, there is the increasing aridity towards the north and secondly a seasonality shift from west to east, whereby the rains are dominant during the winter in the west, then becoming aseasonal and finally being dominant during the summer in the extreme east.

Simmons (2005: 352) follows Ansell and Dowsett (1988: 33) and Koopman (1993a: 164), who list South Africa, Zimbabwe and Mozambique, but does indicate doubt about its occurrence outside of South Africa. Koopman (1993a: 164) states that the records from Zambia and Malawi are erroneous. Griffin (1999: 32), however, suspects its occurrence in Namibia. In the RSA, the species' distribution is best predicted by biome: desert, Albany thicket, fynbos and grassland (Babiker Salata, 2012: 50, 118).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 277,925 km^2 (or 4 % of the total surface of the area).

Native: South Africa (Eastern Cape Province, Northern Cape Province, Western Cape Province) (Ellerman *et al.*, 1953; Maree and Grant, 1997; Csorba *et al.*, 2003: 8; Monadjem *et al.*, 2010d: 556).
Presence uncertain: Namibia.

FUNCTIONAL MORPHOLOGY:
Jacobs *et al.* (2007a), at De Hoop, South Africa, found *R. capensis* to have a lower mean wing loading and aspect ratio than *R. clivosus*, but no differences in their mean shape indices.

SEXUAL DIMORPHISM:
At De Hoop, South Africa, Jacobs *et al.* (2007a) found females were heavier than males, but there were no differences in forearm length, or wingspan.

ECHOLOCATION:
Jacobs *et al.* (2007a) reported a peak frequency of 83.9 (± 1.2) kHz for individuals from South Africa.

Odendaal and Jacobs (2009: 62) found some sort of local dialects in the echolocation calls for South African *R. capensis*: 84.60 ± 0.82 kHz at De Hoop, 85.84 ± 0.73 kHz at Table Farm, and 80.66 ± 0.50 kHz at Steenkampskraal, which is probably the result of interactions with other *Rhinolophus* species: *R. swinnyi* at Steenkampskraal, and *R. darlingi* at Table Farm, as well as with *R. clivosus*. Bastian and Jacobs (2013: 18) and Odendaal *et al.* (2013: 112) indicate that the peak frequency ranges from 75.7 kHz at the western end of the species' coastal distribution in South Africa to 85 - 86.5 kHz at the eastern end. This increase seems to be linked with the mean annual rainfall (Odendaal *et al.*, 2013). Bastian and Jacobs (2013: 18) also found that the 85 kHz specimens were able to discriminate between 85 kHz calls from conspecifics and calls from *R. damarensis*, which also peaks at 85 kHz. The 75 kHz specimens were unable to make that discrimination.

Odendaal and Jacobs (2010b: 240) reported that there was no relation between body size and peak frequency across populations. However, nasal chamber length was found to be the best predictor on peak frequency. They also found that in each population, the females were larger than the males and produced calls with higher frequencies, and therefore suggest that there might be a potential social role for the peak frequency.

When flying with conspecifics, Fawcett *et al.* (2013: 49) found that the terminal FM sweep became longer and wider in bandwidth than when flying alone. Fawcett *et al.* (2015: 693), furthermore, found that *R. capensis* produced longer frequency-modulated downward sweeps at the end of their call when they flew together with bats from the same species or with *Miniopterus natalensis* than when they flew alone. Additionally, when they were flying with *R. clivosus* (a larger high-duty cycle bat), its calls were shorter than when flying alone or with other *R. capensis* individuals.

Bastian and Jacobs (2015) investigated the ability for *R. capensis* to discriminate their own calls from those of allopatric (*R. damarensis*) and sympatric (*R. clivosus*) congeners. The bats had no

problems with the calls from *R. clivosus*, but the calls from *R. damarensis* could only be discriminated by one of the test groups.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach (1986) reported 2*n* = 58, FN = 60, BA = 4, and the X and Y chromosomes as submetacentric. Erasmus and Rautenbach (1984: 94) mention 52 acrocentric and four bi-armed autosomal chromosomes, resulting in 60 autosomal arms.

Protein / allozyme - see Maree and Grant (1997).

HABITAT:
Sirami *et al.* (2013: 34) recorded in the Western Cape Province, South Africa that *R. capensis* activity was not significantly, nor positively influenced by size of wetland, while habitats 100 m surrounding wetlands were also significantly and positively influenced by the water body. *R. capensis* preferentially flew near trees, orchards surrounding wetlands and over these wetlands (Sirami *et al.*, 2013: 35).

HABITS:
Jacobs *et al.* (2007a) at De Hoop, South Africa found that the average esitmated flying height above ground 1.00 ± 0.77 m, *n*= 11. At the same locality, Thomas and Jacobs (2013: 129) found that Lepidoptera eating bats (e.g. *R. capensis* and *Nycteris thebaica*) emerged earlier than bats feeding on Diptera (e.g. *Tadarida aegyptiaca*).

DIET:
Jacobs *et al.* (2007a) at De Hoop, South Africa, found that the diet mainly comprised Lepidoptera and Coleoptera with lesser amounts of Neuroptera, Hemiptera and Diptera. The mean size of measurable prey taken by *R. capensis* was smaller than that taken by *R. clivosus*, although the range of prey sizes taken by the two species overlapped (Jacobs *et al.*, 2007a).

PREDATORS:
Avery *et al.* (2005: 1054) found this species in pellets from *Tyto alba* in South Africa.

POPULATION:
Structure and Density - *Rhinolophus capensis* can be found in colonies consisting of thousands of individuals (Taylor, 2000; Skinner and Chimimba, 2005). Skinner and Chimimba (2005) state that 'they are abundant in the Western Cape and the Eastern Cape, where there are many records from coastal caves' (Jacobs *et al.*, 2008z; IUCN, 2009). Trend - 2008 - Decreasing (Jacobs *et al.*, 2008z; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Bojarski and Bernard (1992) [in Anthony (2000: 16)] report that immunocytochemical indices of gonadotropic function rise significantly during the spermatogenic period, coincident with high plasma testosterone levels.

Bernard (1985: 129) and Martin and Bernard (2000: 36) mention that spermatogenesis starts in spring (October in South Africa) and ends after early winter (May) although sperm remain in the caudae epididymides through winter (May to September). Copulation and ovulation occur in August to September, at the end of winter hibernation. Parturition occurs in November and December after a gestation period of three to four months (see also Bernard, 1984; Krutzsch, 2000).

Bernard (1985: 134) indicates that females do not become reproductively mature in their first year, and that males would only be able to mate in their second year.

PARASITES:
Streblidae: *Brachytarsina africana* (Walker, 1849) has a wide distribution in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100).
Nycteribiidae: *Nycteribia schmidlii* Schiner, 1853 (Haeselbarth *et al.*, 1966: 108).

SIPHONAPTERA
Ischnopsyllidae: *Rhinolophopsylla ashworthi* (Waterson, 1913) known only from a few specimens from the Cape Province (King William's Town, Willowmore and Oudtshoorn), South Africa (Haeselbarth *et al.*, 1966: 191). *Rhinolophopsylla capensis* Jordan and Rothschild, 1921 (Haeselbarth *et al.*, 1966: 191).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Namibia, South Africa.

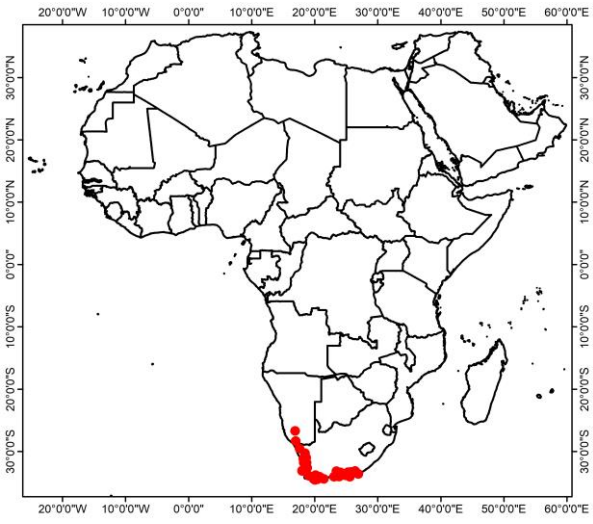

Figure 76. Distribution of *Rhinolophus capensis*

Rhinolophus clivosus Cretzschmar, 1828

*1828. *Rhinolophus clivosus* Cretzschmar, in: Rüppell, Atlas Reise Nördlichen Afrika, Zoologie Säugethiere, 1: 47, pl. 18. Type locality: Saudi Arabia: Red Sea Coast: Al Muwaylih [=Mohila] [ca. 27 49 N 35 30 E] [Goto Description]. Paratype: SMF 12311: skin only. Lectotype: SMF 4371: mounted skin (skull not removed). Collected by: Wilhem Peter Edward Simon Rüppell; collection date: 1826. Old catalog: II.F.4.a; see Mertens (1925: 20). - Comments: Allen (1939a: 74) mentions "1826" (as mentioned on the title page) as year of publication of Cretzschmar's work, other authors mention it as "1827", "1828", "1830-1831". - Etymology: From the masculine Latin adjective *clivósus*, meaning "characterized by slopes, steep", referring to a seemingly unreliable distinctive character of the noseleaf "*Rhinolophus apparato olfactorio externo clivis gradatim elatis non dissimili*" (Cretzschmar 1828) (see Lanza *et al.* (2015: 80). (Current Combination)

1829. *Rhinolophus Geoffroyii* A. Smith, Zool. Journ., 4 (16): 433. Publication date: May 1829. Type locality: South Africa: "South Africa" [Goto Description]. - Comments: Roberts (1951: 61) nominated Cape Town as type locality; see Meester *et al.* (1986: 38). Allen (1939a: 75) mentioned *geoffroyii* as a separate species. Meester *et al.* (1986: 38) follow Ellerman *et al.* (1953: 57) in considering *geoffroyii* as unidentifiable.

1861. *Rhinolophus acrotis* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 29 (8): 4, 10. Publication date: 1861. Type locality: Eritrea: Kérén [ca. 15 45 N 38 20 E] [Goto Description]. Holotype: SMNS 986a: ad ♂, alcoholic (skull not removed). Collected by: Martin Theodor von Heuglin; collection date: 1862. Paratype: SMNS 986b: juv ♂, alcoholic (skull not removed). Collected by: Martin Theodor von Heuglin; collection date: 1862. Dieterlen *et al.* (2013: 293) mention this specimen as a possible paratype, although they do indicate that Heuglin based his description on one single specimen (probably SMNH 986a). They also indicate that this specimen was marked as "Cotype" by Krauss. - Etymology: From the two neuter Greek substantives "*ἄκρον*" (akron), meaning "extremity" and "*οὖς*", meaning "ear" (see Lanza *et al.*, 2015: 80).

1904. *Rhinolophus Andersoni* Thomas, Ann. Mag. nat. Hist., ser. 7, 14 (80): 156. Publication date: 1 August 1904. Type locality: Egypt: Eastern desert of Egypt [ca. 22 N 35 E] [Goto Description]. Holotype: BMNH 1904.11.4.2: imm ♂. Collected by: Arthur M. MacKilligan; collection date: 3 August 1903; original number: 26. - Comments: Kock (1969a: 113) mentions: "Eastern Desert, im Gebiet des Wadi Alagi, 22 N 35 E, Sudan".

1904. *Rhinolophus augur* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 14 (83): 380. Publication date: 1 November 1904. Type locality: South Africa: Northern Cape province: [formerly Bechuanaland]: Kuruman [26 28 S 22 27 E, 4 000 ft] [Goto Description]. Holotype: BMNH 1904.10.1.1: ad ♂, skin and skull. Collected by: Mr. R.B. Woosnam; collection date: 19 April 1904; original number: 26.

1904. *Rhinolophus augur zambesiensis* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 14 (83): 383. Publication date: 1 November 1904. Type locality: Malawi: Fort Hill [=Chitipa] [09 42 S 33 16 E, 1 300 m] [Goto Description]. Holotype: BMNH 1897.10.1.18: ad ♂, skin and skull. Collected by: Mr. Alex Whyte (F.Z.S); collection date: July 1896; original number: 136. Presented/Donated by: Sir Harry H. Johnston. - Comments: Considered a synonym of *zuluensis* by Ansell and Dowsett (1988: 32).

1904. *Rhinolophus augur zuluensis* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 14 (83): 383. Publication date: 1 November 1904. Type locality: South Africa: KwaZulu-Natal: 20 mi [=32 km] NW Eshowe: Jususie valley [=Insuzi valley] [28 53 S 31 03 E, 1 000 ft] [Goto Description]. Holotype: BMNH 1904.5.1.8: ad ♀, skin and skull. Collected by: Captain Claude Henry Baxter Grant; collection date: 17 November 1903; original number: 602. Presented/Donated by: C.D. Rudd Esq. - Comments: Considered a valid subspecies by Ansell and Dowsett (1988: 32), Taylor (1998: 35).

1905. *Rhinolophus acrotis brachygnatus* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 15 (85): 73. Publication date: 1 January 1905. Type locality: Egypt: Giza province: Giza [30 01 N 31 13 E] [Goto Description]. Holotype: BMNH 1892.9.9.7: ad ♂, alcoholic (skull not removed). Collected by: Dr. John Anderson; collection date: 16 December 1891. See Qumsiyeh (1985: 35). Paratype: [Unknown] imm ♀, alcoholic (skull not removed). See Qumsiyeh (1985: 35).

1916. *Rhinolophus keniensis* Hollister, Smiths. Misc. Coll., 66 (1) (2406): 2. Publication date: 10 February 1916. Type locality: Kenya: W side Mount Kenya [ca. 00 10 S 37 19 E, 7 000 ft]

[Goto Description]. Holotype: USNM 166352: ad ♂, skull and alcoholic. Collected by: Edmund Heller; collection date: 27 August 1909; original number: 1154. Fisher and Ludwig (2015: 54) indicate that the Field Catalog mentions that this specimen was collected at the Base Camp on the West side of Mount Kenya.

1932. *Rhinolophus geoffroyi zuluensis:* Ortlepp, 18th Report of the Director of Veterinary Sciences and Animal Industry. Union of South Africa. (Name Combination)

1934. *Rhinolophus acrotis schwarzi* Heim de Balsac, Bull. Mus. natn. Hist. nat., Paris, sér. 2, 7: 483. Publication date: November 1934. Type locality: Algeria: Sahara, Tassai des Azdjers: Djanet [24 34 N 09 30 E] [Goto Description]. Holotype: MNHN ♀, alcoholic (skull not removed). Collected by: La Mission Augiéras Draper. Holotype: MNHN ZM-MO-2006-246: ♀, skull and alcoholic. Collected by: Dr. Henry Foley; collection date: 1934. Paratype: MNHN ZM-MO-2006-247: ♀, skull only. Collected by: Dr. Henry Foley; collection date: 1934. Paratype: MNHN ZM-MO-2006-248: ♀, skull only. Collected by: Dr. Henry Foley; collection date: 1934.

1959. *Rhinolophus ferrum-equinum keniensis:* Harrison, Occ. Pap. Nat. Mus. S. Rhod., 23B: 228. (Name Combination)

1980. *Rhinolophus ferrumequinum keniensis:* Blackwell, Mycologia, 72 (1): 145. (Name Combination)

1993. *angur:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 164. (Lapsus)

? *Rhinolophus clivosus acrotis:* (Name Combination)

? *Rhinolophus clivosus augur:* (Name Combination)

? *Rhinolophus clivosus brachygnathus:* (Name Combination)

? *Rhinolophus clivosus clivosus:* (Name Combination)

? *Rhinolophus clivosus keniensis:* (Name Combination)

? *Rhinolophus clivosus zuluensis:* (Name Combination)

? *Rhinolophus ferrum-equinum zuluensis:* (Name Combination)

? *Rhinolophus geoffroyi augur:* (Name Combination)

? *Rhinolophus geoffroyi geoffroyi:* (Name Combination)

? *Rhinolophus geoffroyi:* (Name Combination, Alternate Spelling)

TAXONOMY:

Figure 77. *Rhinolophus clivosus*.

ferrumequinum species group (Csorba *et al.*, 2003: 35 - 39; Simmons, 2005: 353). See Csorba *et al.* (2003: 36 - 37) for review of taxonomy.

Roberts (1919: 112) points out that *geoffroyii* Smith, 1829 antedates *augur* Andersen, 1904, and later (Roberts, 1951) regards *augur* as a subspecies of *geoffroyii*. Allen (1939a) follows Roberts in regarding *geoffroyii* as the prior name, but Ellerman *et al.* (1953) reject this, pointing out that the description does not identify *geoffroyii* and that the type is apparently lost, and therefore propose that the name be discarded as unidentifiable. The next available name would be *Rhinolophus augur* Andersen, 1904.

Stoffberg *et al.* (2012: 1) indicate that southern African representatives of *R. clivosus* s.l. are as distinct from more northern African samples as they are from *R. ferrumequinum*. In southern Africa, they (p. 5) distinguish five geographic groups: Western Cape clade, Knysna region clade, Northern Cape clade, a predominantly KwaZulu-Natal/Mpumalanga mixed group and a Mpumalanga/Limpopo Province clade. About 3.7 Mya, these groups were separated from more northern groups (Kenya, Tanzania and Mozambique) and all of these were separated from the Egyptian populations at about 4.26 Mya. Stoffberg *et al.* (2012: 2; fig. 1) show the distribution area for four subspecies: *geoffroyi* in the Western Cape province and the coastal part of the Northern Cape province; *zuluensis* in the Eastern Cape province, KwaZulu-Natal province, Mpumalange province, southern Limpopo province and Swaziland and Lesotho; *augur* in eastern Northern Cape province and central Botswana; and *zambesiensis* in Mozambique, Zambia, Zimbabwe and the extreme southeastern DRC. On the other hand, Benda and Vallo (2012: 83) suggest that all populations occurring in the

savanna belt from the Cape to Kenya belong to one taxon (subspecies): *augur*. Unfortunately, neither Stoffberg *et al.* (2012) nor Benda and Vallo (2012) provide any information on the validiy of the name "*geoffroyii*". Therefore, pending further investigation in the taxonomy of this complex, we retain the usage of the name *R. clivosus*.

COMMON NAMES:
Afrikaans: Geoffroy se saalneusvlermuis, Geoffroy-saalneusvlermuis, Geoffroyse vlermuis. Arabian: Khafash abu hadweh arabi. Czech: vrápenec pouštní, wrápenec pahrbečný, vrapenec pahrbeční. Dutch: Geoffroy's hoefijzerneus. English: Arabian Horseshoe Bat, Cretzschmar's Horseshoe bat, Geoffroy's Horseshoe Bat. French: Rhinolophe de Cretzschmar, Rhinolophe de Geoffroy. German: Geoffroys Hufeisennase. Italian: Rinòlofo di Cretzschrnar, Fèrro di cavàllo di Cretzschmar. Portuguese: Morcego ferradura gigante.

ETYMOLOGY OF COMMON NAME:
Colloquial name after E. Geoffroy Saint-Hilaire, who collected bats in Egypt during the early part of the nineteenth century (see Taylor, 2005).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
R. clivosus has been recovered from both the upper Pleistocene and very late Holocene at Border Cave and is possibly present in the late Holocene at Nkupe, South Africa (Avery, 1991: 6). Avery and Avery (2011: 17) report additional Holocene (Blinkklipkop and Wonderwerk), and Pleistocene (Wonderwerk) remains from the Northern Cape province (South Africa).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough globally to qualify for listing in a more threatened category (Kock *et al.*, 2008a; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Kock *et al.*, 2008a; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004an; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Jacobs *et al.*, 2016d). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
Although there are generally considered to be no major threats to the species as a whole, some populations are locally threatened by disturbance of their roosting sites, and indirect poisoning resulting from the use of insecticides, pesticides and similar chemicals (Kock *et al.*, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:
Kock *et al.* (2008a) [in IUCN (2009)] reported that in view of the species wide range it seems likely that it is present in several protected areas. All bats, including *Rhinolophus clivosus*, are protected by national legislation in Jordan (Amr *pers. comm.,* 2004). Bats of the genus *Rhinolophus* are generally susceptible to indirect poisoning through the local use of insecticides; there is a need to evaluate the impact of this threat on populations (especially in southwest Asia), and to investigate alternative methods of insect control (Kock *pers. comm.,* 2004).

GENERAL DISTRIBUTION:
Rhinolophus clivosus is widespread in North, East and southern Africa, and also in parts of southwest Asia, including western and southeastern areas of the Arabian Peninsula. In North Africa it has been recorded from Algeria, Libya and Egypt; in East Africa, it ranges from Sudan in the north, through all East African countries to Malawi in the south; in southern Africa, it is present in Mozambique and Zambia in the north, ranging southwards into South Africa, Namibia and southern Angola. In addition, there are a number of records from southern and eastern parts of the Democratic Republic of the Congo. In southwest Asia, it ranges from Israel, Jordan and the Sinai Peninsula of Egypt in the north, through the western and southeastern part of the Arabian Peninsula of Saudi Arabia, Yemen and Oman, with a few additional records of the species from central regions of the Arabian Peninsula.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,120,944 km^2.

In South Africa, its distributoin is strongly associated with annual precipitation (Babiker Salata, 2012: 49).

ZMB has two specimens from the Central African Republic, that seem to be outliers.

Native: Afghanistan; Algeria; Angola; Burundi; Cameroon; Chad; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 556); Djibouti (Pearch *et al.*, 2001: 397); Egypt; Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 133); Israel; Jordan; Kenya (Lavrenchenko *et al.*, 2004b: 133); Lesotho (Lynch, 1994: 190; Monadjem *et al.*, 2010d: 556); Liberia; Libyan Arab Jamahiriya; Malawi (Happold *et al.*, 1988; Happold

and Happold, 1997b: 818; Monadjem *et al.*, 2010d: 556); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 556; Monadjem *et al.*, 2010c: 377); Namibia (Cotterill, 2004a: 261); Oman; Rwanda; Saudi Arabia; Somalia; South Africa (Monadjem *et al.*, 2010d: 556); Sudan; Swaziland (Monadjem, 2005: 5; Monadjem *et al.*, 2010d: 557); Tanzania (Stanley and Goodman, 2011: 41); Turkmenistan; Uganda (Kityo and Kerbis, 1996: 63); Yemen; Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 557); Zimbabwe (Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 557).
Presence uncertain: Palestinian Territory, Occupied.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
For 5 specimens from the Algeria Forestry Station (RSA) Schoeman and Jacobs (2002: 157) reported the following wing parameters: Fa: 53.4 ± 1.5 mm, Wing area: 175.9 ± 5.8 cm^2, Wing span: 33.8 ± 1.1 cm, Wing loading: 9.2 ± 0.8 N/m^2, and aspect ratio: 6.5 ± 0.3.

DETAILED MORPHOLOGY:
Baculum - See Thomas (1997) and Csorba *et al.* (2003: 36).

Jacobs *et al.* (2013b: 76) found that *R. clivosus* has a smaller nasal capsule volume than predicted from its size.

FUNCTIONAL MORPHOLOGY:
Jacobs *et al.* (2007a), at De Hoop, South Africa, found *R. clivosus* to have a higher mean wing loading and aspect ratio than *R. capensis*, but no differences in their mean shape indices.

SEXUAL DIMORPHISM:
At De Hoop, South Africa, Jacobs *et al.* (2007a) found that females were heavier than males, but there were no differences in forearm length, or wingspan.

ECHOLOCATION:
Finger *et al.* (2017: 144) found that echolocation signals enables *R. clivosus* to distinguish the sex of the caller (probably linked with the initial and terminal FM components of the signal) and even its indentity (probably linked with resting frequency).

For individuals in South Africa, Taylor (1999b), using a Pettersson D980 detector at a locality in Dundee, reported a maximum frequency of 94.3 (± 0.2) kHz, while Jacobs *et al.* (2007a) (detector type and locality not reported) reported a peak frequency of 92.1 (± 0.7) kHz. Monadjem *et al.* (2007a), using an Anabat detector at several different localities in Swaziland, reported a maximum frequency of 91.9 (± 0.65) kHz. From the same country, Monadjem *et al.* (2017c: 179) reported F_{min}: 75.7 ± 3.15 (70.4 - 80.3) kHz, F_{knee}: 91.5 ± 0.70 (90.0 - 92.3) kHz, F_c: 91.3 ± 1.06 (88.9 - 92.5) kHz and duration: 32.9 ± 5.35 (23.3 - 40.1) msec. Taylor (2000) indicates a constant frequency component of 94 kHz. Monadjem *et al.* (2010c: 378) reported from Mozambique that the peak echolocation frequencies ranged between 79.8 - 81.0 kHz (ANABAT, Petterson D240x).

From Algeria Forest Station (RSA), Schoeman and Jacobs (2002: 157) reported the type of calls to be high duty echolocation dominated by constant frequency calls, with a F_{peak}: 92.7 ± 0.5 kHz.

Monadjem *et al.* (2007a) also reported sexual dimorphism in the call with females emitting a higher frequency call than males (females 92.5 (± 0.04) kHz, males 91.6 (± 0.61) kHz).

Taylor *et al.* (2013b: 19) recorded the following parameters for 10 calls from Soutpansberg, South Africa: F_{max}: 92.1 ± 0.51 (91.5 - 92.8) kHz, F_{min}: 86.7 ± 3.21 (89.6 - 90.9) kHz, F_{knee}: 90.3 ± 0.42 (89.6 - 90.9) kHz, F_{char}: 90.7 ± 0.40 (90.1 - 91.4) kHz, duration: 14.3 ± 3.63 (8.6 - 19.4) msec.
Linden *et al.* (2014: 40) reported the following parameters from the Soutpansberg area (RSA): F_{min}: 79 - 90 kHz, F_{char}: 90 - 91 kHz, F_{knee}: 91 - 91 kHz, Slope: 280 - 606 OPS, duration: 9 - 19 msec.

Jacobs *et al.* (2017b: 3) indicated that the call frequency of about 92 kHz in South Africa is much higher than expected for an animal of that size (which would be something around 66 kHz). They found that climatic factors, especially temperature, play an important role.

Eisenring *et al.* (2016: SI 2) reported the following for 28 calls from the Aberdares Range in Kenya: PF: 84.9 ± 5.0 (66.9 - 88.3), HF: 86.8 ± 4.3 (69.7 - 89.7), LF: 68.4 ± 6.4 (56.4 - 81.8), DT: 0.4 ± 0.2 (0.0 - 0.6), DF: 18.4 ± 7.3 (4.9 - 32.5), IPI: 0.7 ± 0.7 (0.1 - 3.8).

In Jordan, Benda *et al.* (2010b: 204) recorded the following parameters for 10 calls: F_{start}: 73.1 ± 1.9 (71.5 - 77.0) kHz, F_{end}: 73.8 ± 2.3 (70.0 - 77.0) kHz, F_{peak}: 84.4 ± 0.4 (83.5 - 85.0) kHz, Pulse duration: 48.0 ± 4.8 (43.0 - 59.0) msec, and Inter-pulse interval: 39.6 ± 12.9 (27.0 - 59.0) msec.

From Israel, Hackett *et al.* (2016: 223) reported 66 calls with these values: Pulse duration: 54.48 ± 11.22 msec, F_{start}: 78.92 ± 5.18 (69.3 - 88.8) kHz, F_{end}: 78.81 ± 5.26 (68.3 - 88.8) kHz, F_{peak}: 85.18 ± 0.57 (83.4 - 88.8) kHz.

MOLECULAR BIOLOGY:
DNA - Unknown.

Karyotype - Both Đulic and Mutere (1974) and Rautenbach *et al.* (1993) reported 2*n* = 58. However, Đulic and Mutere (1974) reported FN = 62, BA = 6, a large acrocentric X chromosome, and a small acrocentric Y chromosome, whereas Rautenbach *et al.* (1993) reported FN = 60, BA = 4, and submetacentric X and Y chromosomes. Richards *et al.* (2016d: 187, 192) mentioned 2*n* = 58 and FN = 60, with primarily acrocentric chromosomes and two small metacentric pairs. Erasmus and Rautenbach (1984: 94) mention 50 acrocentric and six bi-armed autosomal chromosomes, resulting in 62 autosomal arms.

Protein / allozyme - Unknown.

HABITAT:
Sirami *et al.* (2013: 34) recorded in the Western Cape Province, South Africa that *R. clivosus* activity was not significantly, nor positively influenced by size of wetland, while habitats 100 m surrounding wetlands were also significantly and positively influenced by the water body. *R. clivosus* preferentially near trees, orchards surrounding wetlands and over these wetlands (Sirami *et al.*, 2013: 35).

HABITS:
Jacobs *et al.* (2007a) at De Hoop, South Africa found that the average esitmated flying height above ground 0.84 ± 0.20 m, *n*= 6. At the same locality, Thomas and Jacobs (2013: 124) found that *R. clivosus* emerged earlier than the other species in the area (in order of emergence): *Miniopterus natalensis, Rhinolophus capensis, Nycteris thebaica, Myotis tricolor, Neoromicia capensis* and *Tadarida aegyptiaca*.

ROOST:
Avery *et al.* (1990: 7) indicate that cool and moist caves or cave-like structures are used as daytime roosts. Taylor *et al.* (1999: 70) reported a roost containing 20 animals in the Shongweni Dam tunnel (RSA).

DIET:
From the Algeria Forestry Station (RSA) Schoeman and Jacobs (2002: 157) reported the following prey groups based on 46 faecal pellets from 5 bats (in volume percent): Lepidoptera (62.6 ± 30.8), Coleoptera (29.4 ± 24.8), Hemiptera (2.0 ± 4.5), Hymenoptera (1.4 ± 3.1), and unknown (4.6 ± 6.4).

Jacobs *et al.* (2007a) at De Hoop, South Africa, found that the diet mainly consisted of Lepidoptera and Coleoptera with lesser amounts of Neuroptera, Hemiptera and Diptera. The mean size of measurable prey taken by *R. clivosus* was larger than that taken by *R. capensis*, although the range of prey sizes taken by the two species overlapped (Jacobs *et al.*, 2007a).

PREDATORS:
Avery *et al.* (2005: 1054) found this species to be present in pellets from the barn olw (*Tyto alba*) in South Africa.

Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - *Rhinolophus clivosus* is common in some parts of its range, including South Africa, but is uncommon to rare in other areas, such as in Zimbabwe. In Swaziland, three separate populations contained over a thousand individuals, while in Jordan forty individuals were observed at a single location (Amr, 2000). Although the population appears to be stable in many regions, in Jordan the population is in decline and this bat may be declining throughout its range in the Arabian Peninsula (Amr *pers. comm.*) (Kock *et al.*, 2008a; IUCN, 2009).
Trend - 2008 - Unknown (Kock *et al.*, 2008a; IUCN, 2009). *R. clivosus* populations within the Asia Minor and Levant region have an unknown population trend, under predictive climate change scenarios (Bilgin *et al.*, 2012: 433).

REPRODUCTION AND ONTOGENY:
Krutzsch (2000: 116) indicates that spermatogenesis occurs in late spring/ summer/early fall. Copulation occurs in fall and is followed by sperm storage in the female until arousal and conception in the following spring.

Stanley and Goodman (2011: 41) reported on four females collected in East Usambara (Tanzania), of which two (collected on 17 August 1992) had small teats and two (collected in the first half of August 1991 and 1993) had large, non-lactating teats. Six males collected in the first half of August included three animals with scrotal testes and three with abdominal testes. Four males collected between July and September 1991 to 1993 in West Usambara had scrotal testes too.

PARASITES:
Hirst (1923: 989) mentions that Kolenati gave "*R. clivosus* [= *R. blasii*]" as host for the mite *Periglischrus interruptus* Kolenati, but that he corrected this later to *R. euryale*. Kolenati gave a new name to a mite from a *R. clivosus* specimen from Egypt: *Periglischrus glutinimargo*.
From Jordan, Benda *et al.* (2010b: 229) reported the presence of a bat fly: *Phthiridium biarticulatum* Hermann, 1804 (Nycteribiidae) and a flea

Rhinolophopsylla unipectinata unipectinata (Taschenberg, 1880) (Ischnopsyllidae). Additionally, they also mention literature date for *Phthiridium integrum* from Saudi Arabia and Yemen, *Ascodipteron africanum rhinolophi* Jobling, 1958 (Streblidae) from Yemen, and five mites from Yemen: *Trombicula knighti* Radford, 1954, *T. filamentosa* Radford, 1953, *T. brevitarsa* Radford, 1952, *Brennanella longispina* Radford, 1953, and *Labidocarpus nasicolus* Lawrence, 1938.

Fain (1959a: 340) mentions a paratype of *Nycteridocoptes eyndhoveni* Fain, 1959 (Acari: Sarcoptidae), collected from a *R. clivosus zuluensis* from Lubudi, DRC. Fain (1959c: 237) reported *Psorergates (Psorergatoides) rhinolophi* Fain from *R. clivosus zuluensis* from Uvira, Kivu, DRC.

Trombicula (*Grandjeana*) *reticulate* Koçak and Kemal, 2009 (Acari: Trombiculidae) collected from *R. geoffroyi zuluensis* from South Africa (Vercammen-Grandjean and Nadchatram, 1963).

DIPTERA:
Streblidae: *Ascodipteron lophotes* Monticelli, 1898 from Eritrea (Haeselbarth *et al.*, 1966: 106), South Africa (Haeselbarth *et al.*, 1966: 106), Yemen (Haeselbarth *et al.*, 1966: 106, host referred to as *R. acrotis*). *Brachytarsina africana* (Walker, 1849) has a wide distribution in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100). *Nycteribosca africana* Walker, 1849 (Zumpt, 1950: 96 - on "*R. geoffroyi*". *Raymondia hardyi* Fiedler, 1954 from South Africa (Shapiro *et al.*, 2016: 254). *Raymondia intermedia* Jobling, 1936 (Shapiro *et al.*, 2016: 255). *Raymondia waterstoni* Jobling, 1931 (Zumpt, 1950: 96; Haeselbarth *et al.*, 1966: 104). *Brachytarsina (Brachytarsina) flavipennis* Macquart, 1851 and *Raymondia huberi* Frauenfeld, 1855 from Algeria (Bendjeddou *et al.*, 2017: 15).

Nycteribiidae: *Nycteribia schmidlii* Schiner, 1853 (Haeselbarth *et al.*, 1966: 108; Bendjeddou *et al.*, 2017: 15). *Nycteribia scissa scissa* Speiser, 1901 the nominate form found exclusively on *R. clivosus* from South Africa and Namibia (Haeselbarth *et al.*, 1966: 108). *Nycteribia ovalis* Theodor, 1957 from Pietermaritzburg, South Africa (Haeselbarth *et al.*, 1966: 110). *Penicillidia fulvida* (Bigot 1885) (Zumpt, 1950: 97 - on "*R. geoffroyi*"; Haeselbarth *et al.*, 1966: 114). *Nycteribia integra* Theodor and Moscona, 1954 (Haeselbarth *et al.*, 1966: 109, host referred to as *R. acrotis*). *Nycteribia scissa* Speiser, 1901 (Zumpt, 1950: 97 - on "*R. geoffroyi*").

Calliphoridae: Zumpt (1950: 88) reported a calyptrate larva of *Calliphora croceipalpis* Jaennicke, 1867, which was found in decomposing bats ("*Rhinolophus geoffroyi*") on the bottom of the Sterkfontein caves (RSA). Other magots developed into an unidentified Borboridae and a Phoridae.

SIPHONAPTERA
Ischnopsyllidae: *Rhinolophopsylla ashworthi* (Waterston, 1913) known only from a few specimens from the Cape Province (King William's Town, Willowmore and Oudtshoorn) (Haeselbarth *et al.*, 1966: 191). *Rhinolophopsylla capensis* Jordan and Rothschild, 1921 (Zumpt, 1950: 97 - on "*R. geoffroyi*"; Haeselbarth *et al.*, 1966: 191, Beaucournu and Kock, 1996).

ACARI
Spinturnicidae: *Spinturnix viduus* and *Periglischrus africanus* were described by Zumpt (1950: 92, 93) from "*Rhinolophus geoffroyi*" from the Sterkfontein caves (RSA).
Ixodidae: ?*Ixodes simplex* Neumann, 1906 (see Zumpt, 1950: 96); *Ixodes pilosus howardi* Neumann (on "*Rhinolophus augur*", see Howard, 1908: 168).
Trombiculidae: *Trombicula natalensis* Lawrence, 1949 (see Zumpt, 1950: 96).
Listrophoridae: *Alabidocarpus nasicolus* Lawrence, 1938 (see Zumpt, 1950: 96).

VIRUSES:
Bunyaviridae
Phlebovirus
Rift Valley Fever Virus (RVFV) - Oelofsen and Van der Ryst (1999) tested 40 individuals from eight localities in the Free State Province, South Africa for RVFV antigen using an enzyme linked immunosorbet assay (ELISA), none tested positive.

Coronaviridae
Anthony *et al.* (2017b: Suppl.) mention the following alpha-coronaviruses: Predict_CoV_70, Human_CoV_229E, Predict_CoV_65, and the beta-coronavirus: Predict_CoV_43.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Rabies: Oelofsen and Smith (1993) tested 85 individual brains, from 14 localities by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

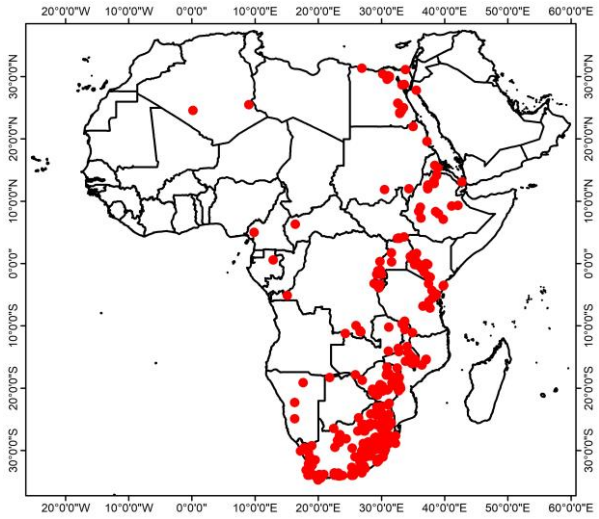

Figure 78. Distribution of *Rhinolophus clivosus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Botswana, Burundi, Cameroon, Central African Republic, Congo (Democratic Republic of the), Egypt, Eritrea, Ethiopia, Gabon, Kenya, Lesotho, Malawi, Mozambique, Namibia, Rwanda, Saudi Arabia, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe.

Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

*2012. *Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, PLoS ONE, 7(9): 16. Publication date: 12 September 2012. Type locality: South Africa: Mpumalanga: Barberton: Mountainland Nature Reserve [25 43 08 S 31 15 58 E, 690m] [Goto Description]. Holotype: DNSM 8626: ad ♂, skull and alcoholic. Collected by: Lientjie Cohen (Mpumalanga Park). Baculum prepared. Skull and mandible in good condition (Taylor *et al.,* 2012c: 16). Paratype: DNSM 11620: ad ♂, skull and alcoholic. Collected by: Dr Samantha Stoffberg and Lientjie Cohen; collection date: 27 September 2009. Paratype: DNSM 11918: ad ♂, skull and alcoholic. Collected by: Dr Samantha Stoffberg and Lientjie Cohen; collection date: 27 September 2009. Paratype: DNSM 11919: ad ♂, skull and alcoholic. Collected by: Dr Samantha Stoffberg and Lientjie Cohen; collection date: 27 September 2009. Paratype: DNSM 7886: ad ♂, skull and alcoholic. Collected by: Lientjie Cohen (Mpumalanga Park); collection date: 27 September 2004. - Etymology: Recognition of Lientjie Cohen who collected the type specimen and contributed significantly to the conservation of bats in South Africa, particularly in Mpumalanga Province. The species name combines the surname Cohen and genitive singular case-ending "ae" indicative of feminine gender (Taylor *et al.*, 2012c: 17). (Current Combination)

TAXONOMY:

Figure 79. *Rhinolophus cohenae* from Mpumalanga, South Africa.

Based on mitochondrial and nuclear DNA sequences and morphological and morphometric data, Taylor *et al.* (2012c) found that the *Rhinolophus hildebrandtii* group includes more species than previously recognized.

COMMON NAMES:
English: Cohen's Horseshoe Bat. German: Cohens Hufeisennase.

CONSERVATION STATUS:
Global - not assessed.

Assessment History
Global - not assessed.

Regional -
South Africa: 2016 - VU C2a(ii), D2 ver 3.1 (2001) (Cohen *et al.*, 2016).

GENERAL DISTRIBUTION:
Known only from three closely-spaced localities in Mpumalanga Province of South Africa in the vicinity of Nelspruit Taylor *et al.* (2012c: 17).

Accurate delimitation of this species' range is subject to further collecting and reappraisal of existing museum material, previously refered to as *R. hildebrandtii*.

Native: South Africa (Taylor *et al.*, 2012c: 17).

ECHOLOCATION:
Lowest recorded peak frequency 33.0 kHz in the holotype; mean 32.86 ± 0.24 kHz, n= 7 in type series Taylor *et al.* (2012c: 16).

PARASITES:
DIPTERA:
Streblidae: *Raymondia hardyi* Fiedler, 1954 from South Africa (Shapiro *et al.*, 2016: 254; based on a record by Theodor (1968), who mentioned "*R. hildebrandtii*" as host).

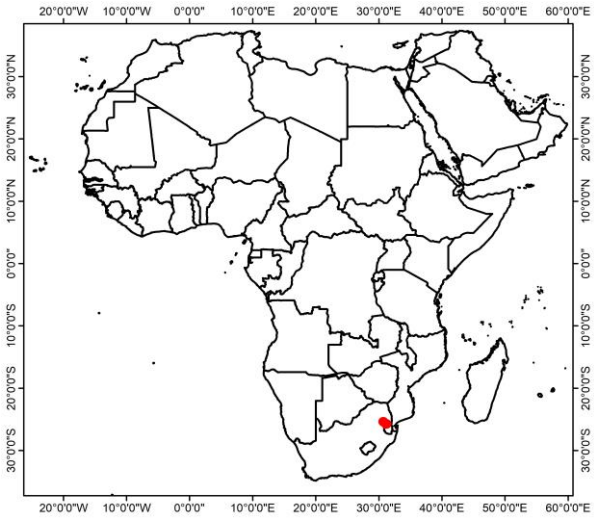

Figure 80. Distribution of *Rhinolophus cohenae*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
South Africa.

Rhinolophus damarensis Roberts, 1946

*1946. *Rhinolophus darlingi damarensis* Roberts, Ann. Transv. Mus., 20 (4): 303. Type locality: Namibia: Damaraland: Okahandja district: Oserikari [Goto Description]. Holotype: TM 9474: ad ♀, skin and skull. Collected by: Austin Roberts; collection date: 10 August 1941. Note: Caught in bedroom at night.
? *Rhinolophus damarensis:* (Name Combination, Current Combination)

TAXONOMY:
Jacobs *et al.* (2013a: 12) showed that *R. darlingi* (*sensu lato*) was polyphyletic comprising two non-sister lineages (*R. darlingi* (*sensu stricto*) and *R. damarensis*), with disjunct distributions in southern Africa, which diverged about 9.7 Mya. They further showed that despite the genetic divergence between the two lineages (*R. darlingi* (*sensu stricto*) and *R. damarensis*) echolocation frequencies as well as skull and post-cranial morphology, apart from the bacula, were highly convergent.

Two lineages which within the *R. damarensis* clade can be seen: a northern (where the type of *damarensis* falls) and a southern linage, which diverged about 5 Mya (Jacobs *et al.*, 2013a: 12).

R. damarensis is embedded in the *fumigatus* clade that includes *R. darlingi*, *R. fumigatus*, *R. eloquens* and *R. hildebrandtii* (Jacobs *et al.* (2013a: 12).

Based on DNA sequencing, morphometrics, and echolocation data, Jacobs *et al.* (2013a) concluded that the western population of *R. darlingi* represents a separate species, which was separated from the eastern population some 9.7 Mya.

COMMON NAMES:
German: Damara-Hufeisennase.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) [as part of *R. darlingi*] in view of its wide distribution, presumed large population, it occurs in a number of protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008aa; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [as part of *R. darlingi*] (Jacobs *et al.*, 2008aa; IUCN, 2009). 2004 - LC ver 3.1 (2001) [as part of *R. darlingi*] (Jacobs *et al.*, 2004v); IUCN, 2004). 1996 - LR/lc [as part of *R. darlingi*] (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Jacobs *et al.*, 2016i). 2004 - NT ver 3.1 (2001) [as part of *R. darlingi*] (Friedmann and Daly, 2004).

ECHOLOCATION:
In South Africa, Maluleke *et al.* (2017: 7347) studied the variation in echolocation calls along a latitudinal gradient between 16 and 32° S. They observed resting frequencies of 85.43 ± 1.3 kHz and average call duration of 31.14 ± 5.9 msec, with

a slight sexual dimorphism: in females the frequencies varied between 84.4 ± 0.7 kHz and 87.6 ± 1.1 kHz in the different localities, and in males between 84.4 kHz ± 0.9 to 86.9 ± 1.1 kHz. The only factor they found to be responsible for the divergence in resting frequency was annual mean temperature.

MOLECULAR BIOLOGY:
DNA - Jacobs *et al.* (2013a: 12) sequenced the Cytochrome *b* gene from the type specimen of *R. d. damarensis* Roberts, 1924 (TM 9474) (Genbank Nr- KF683224), which grouped distinctly from the eastern populations now referred to as *R. darlingi* (*sensu stricto*). Two lineages which within the *R. damarensis* clade can be seen a northern (where the type of *damarensis* falls, and a southern linage.

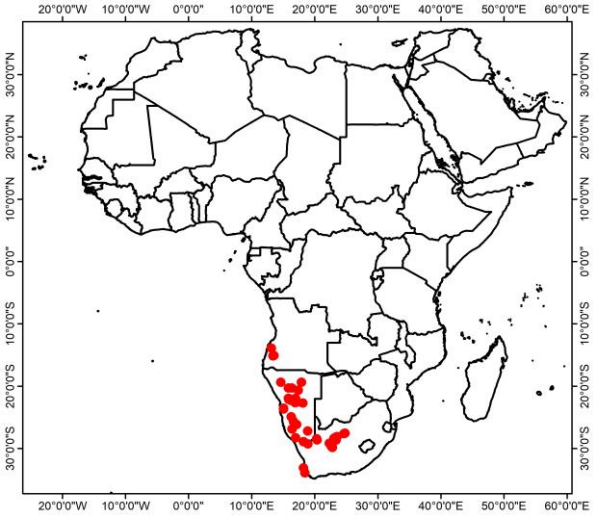

Figure 81. Distribution of *Rhinolophus damarensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Namibia, South Africa.

Rhinolophus darlingi K. Andersen, 1905

*1905. *Rhinolophus Darlingi* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 15 (85): 70. Publication date: 1 January 1905. Type locality: Zimbabwe: Mashonaland: Mazoe [17 30 S 31 03 E, 4 000 ft] [Goto Description]. Holotype: BMNH 1895.8.27.1: ad, skin only. Collected by: J.ff. Darling Esq. Collection date: 13 June 1895; original number: 35. Paratype: BMNH [a]. Paratype: BMNH [b]. Paratype: BMNH [c]:. Paratype: BMNH [d]. Paratype: BMNH [e]. - Etymology: In honour of J. ff. Darling, a mining engineer, who first collected this species in Mazoe, Zimbabwe, in the early part of the twentieth century (see Smithers, 1983: 126; Taylor, 2005). (Current Combination)

1924. *Rhinolophus darlingi barbertonensis* Roberts, Ann. Transv. Mus., 10: 59. Publication date: 31 January 1924. Type locality: South Africa: SE Transvaal province: Barberton district: Louw's creek [Goto Description]. Holotype: TM 2476: ad ♀, skin and skull. Collected by: Austin Roberts; collection date: 14 March 1920. Note: Caught in old mine drive.

2016. *Rhinolophus darling:* Hoffmaster and Vonk, Behav. Sci., 6 (25): 1. Publication date: 20 November 2016. (Lapsus)

? *Rhinolophus darlingi darlingi:* (Name Combination)

? *Rhinolophus darlingi:* (Current Spelling)

TAXONOMY:
Jacobs *et al.* (2013a: 12) showed that *R. darlingi* (*sensu lato*) was polyphyletic, comprising two non-sister lineages (*R. darlingi* (*sensu stricto*) and *R. damarensis*), with disjunct distributions in southern Africa, which diverged about 9.7 Mya. They further showed that despite the genetic divergence between the two lineages (*R. darlingi* (*sensu stricto*) and *R. damarensis*) echolocation frequencies as well as skull and post-cranial morphology, except for the bacula, were highly convergent.

R. darlingi is embedded in the *fumigatus* clade (Csorba *et al.*, 2003: 39 - 40; Simmons (2005: 354) that includes – *R. damarensis*, *R. fumigatus*, *R. eloquens* and *R. hildebrandtii* (Jacobs *et al.* (2013a: 12).

R. darlingi includes *R. d. barbertonensis* Roberts, 1924.

COMMON NAMES:
Afrikaans: Darling se saalneusvlermuis, Darling-saalneusvlermuis. Czech: vrápenec Darlingův. English: Darling's Horseshoe Bat. French: Fer-à-Cheval de Darling, Rhinolophe de Darling. German: Darlings Hufeisennase. Portuguese: Morcego ferradura de Darling.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
R. darlingi is represented intermittently in the upper Pleistocene and in the very late Holocene at Border Cave (Avery, 1991: 6).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed

large population, it occurs in a number of protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008aa; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008aa; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004v); IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Jacobs *et al.*, 2016j). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
Jacobs *et al.* (2008aa) [in IUCN (2009)] reported that there appear to be no major threats to this species as a whole.

CONSERVATION ACTIONS:
This species is present within several protected areas. Further taxonomic studies are needed for populations recorded outside of southern Africa. No direct conservation measures are currently needed for the species (Jacobs *et al.*, 2008aa; IUCN, 2009).

GENERAL DISTRIBUTION:
Rhinolophus darlingi is largely distributed in southern Africa with some additional records outside of this area. Skinner and Chimimba (2005) report that it has been recorded from Namibia and northeastern Botswana; that it is widely distributed in Zimbabwe; in South Africa, where its distribution is best predicted by geology (Babiker Salata, 2012: 50), it is known from Limpopo Province, eastern Mpumalanga, northern Gauteng, in parts of the Eastern Cape and the Northern Cape, and from KwaZulu-Natal. In much of eastern Mozambique; and in the lowveld and Lubombo regions of Swaziland. It is unclear if the species is present in Lesotho. Outside of southern Africa, it has been recorded from Benguela in Angola, Banagi in Tanzania, and possibly from Nigeria suggesting a wider distribution than is currently known (Skinner and Chimimba, 2005). Herkt *et al.* (2017: Appendix S9), however, found that there are substantial differences in terms of occupied ecological niches between the populations from southern Africa and those from Nigeria, which support the statement in IUCN (2013) that they may represent a separate species.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,217,047 km^2.

CAS has 5 specimens from the Pyramids of Giza, Egypt, which may be possible misidentifications as these seem to be well outside of the distribution range of the species.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 557); Botswana (Monadjem *et al.*, 2010d: 557); Burundi; Congo (The Democratic Republic of the); Kenya; Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 557); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 557); Namibia (Monadjem *et al.*, 2010d: 557); South Africa (Monadjem *et al.*, 2010d: 557); Swaziland (Monadjem *et al.*, 2010d: 558); Tanzania; Zambia (Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 558); Zimbabwe (Monadjem *et al.*, 2010d: 558).
Presence uncertain: Lesotho; Nigeria.

ECHOLOCATION:
Jacobs *et al.* (2007a) reported a peak frequency of 88.1 (± 2.0) kHz for individuals from South Africa (detector type not reported). For individuals from Swaziland Taylor (1999b) using a Petterssen D980 at Mlawula reported a maximum frequency of 86.2 (± 0.1) kHz, while Monadjem *et al.* (2007a) using an Anabat detector at a number of localities reported a maximum frequency of 85.8 (± 0.36) kHz. Taylor (2000) reported a constant frequency component of 86 kHz. Monadjem *et al.* (2017c: 179) registered the following parameters: F_{min}: 74.3 ± 4.28 (70.8 - 79.1) kHz, F_{knee}: 85.7 ± 0.46 (85.2 - 86.1) kHz, F_c: 85.6 ± 0.38 (85.2 - 85.8) kHz and duration: 26.5 ± 3.74 (22.6 - 30.0) msec. They also indicated that the maximum detection distance was 2 m.

One call from Waterberg, South Africa had the following parameters: Fmax: 87.4 kHz, Fmin: 84.2 kHz, Fknee: 85.6 kHz, Fchar: 85.1 kHz, duration: 28.0 msec (Taylor *et al.*, 2013b: 19). These authors also reported an additional four calls from Swaziland: Fmax: 85.8 ± 0.25 (85.5 - 86.0) kHz, Fmin: 74.5 ± 4.54 (72.3 - 76.1) kHz, Fknee: 84.8 ± 0.52 (84.1 - 85.2) kHz, Fchar: 85.2 ± 0.54 (84.5 - 85.6) kHz, duration: 17.8 ± 3.39 (13.3 - 21.5) msec.

MOLECULAR BIOLOGY:
DNA - Jacobs *et al.* (2013a: 12) sequenced the Cytochrome *b* gene from the type specimen of *R. d. barbetonensis* Roberts 1924 (TM 2476) (Genbank Nr- KF683217), which grouped with specimens collected from the type locality of the type of *R. darlingi* (Mazoe, Zimbabwe).
Karyotype - Both Peterson and Nagorsen (1975) and Rautenbach (1986) reported, for specimens from Zimbabwe and South Africa respectively, 2*n* = 58, FN = 60, BA = 4, and subtelocentric X and Y chromosomes.
Erasmus and Rautenbach (1984: 94) mention 52

acrocentric and four bi-armed autosomal chromosomes, resulting in 60 autosomal arms.

Protein / allozyme - Unknown.

POPULATION:
Structure and Density - *Rhinolophus darlingi* is a locally common species that, while usually found in small numbers, can be represented by hundreds of bats in a colony (Skinner and Chimimba, 2005) (Jacobs *et al.*, 2008aa; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008aa; IUCN, 2009).

POSTNATAL DEVELOPMENT:
Hoffmaster and Vonk (2016: 1) refer to Carter and Wilkinson (2013), who suggest that *R. darlingi* mothers, cooperating to keep all of the offspring warm, increase the probability of their own offspring's survival.

PARASITES:
Streblidae: *Brachytarsina africana* (Walker, 1849) has a wide distribution in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100).
Nycteribiidae: *Nycteribia scissa rhodesiensis* Theodor, 1957 from Zimbabwe and Malawi (Haeselbarth *et al.*, 1966: 108). *Nycteribia tecta* Theodor,1957 from Zimbabwe and South Africa, but Haeselbarth *et al.* (1966: 110) suggests these may represent a distinct subspecies.

SIPHONAPTERA
Pulicidae: *Echidnophaga aethiops* Jordan and Rothschild, 1906 locality not mentioned (Haeselbarth *et al.*, 1966: 135).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV: Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera in one individual from Limpopo Province, South Africa, none were tested positive (0/1).

Rhabdoviridae
Lyssavirus - Rabies related viruses
Rabies: Oelofsen and Smith (1993) tested five individuals from three localities using "Trousse Platelia Rage" ELISA kit (Diagnostic Pasteur), none tested positive for antibodies to rabies virus glycoprotein G. Oelofsen and Smith (1993) tested five individual brains, from three localities by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

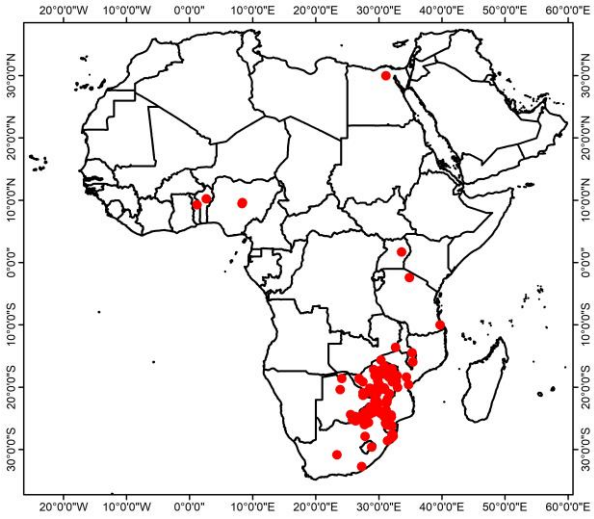

Figure 82. Distribution of *Rhinolophus darlingi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Egypt, Kenya, Lesotho, Malawi, Mozambique, Namibia, Nigeria, South Africa, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

Rhinolophus deckenii Peters, 1868

*1868. *Rhinolophus Deckenii* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 705 (for 1867). Type locality: Tanzania: Zanzibar coast (mainland opposite Zanzibar) [Goto Description]. Holotype: ZMB 3269: ad ♀, alcoholic (skull missing). Collected by: Baron Karl Klaus von der Decken; collection date: undated. - Etymology: In honour of baron Karl Klaus Von der Decken (1833 - 1865), collector of the type specimen. (Current Combination)
? *Rhinolophus deckeni:* (Alternate Spelling)
? *Rhinolophus deckenii:* (Current Spelling)

TAXONOMY:
Treated as a subspecies of *clivosus* by Hayman and Hill (1971: 23); but see Koopman (1975: 386). *ferrumequinum* species group (Csorba *et al.*, 2003: 41 - 42; Simmons, 2005: 354). See Csorba *et al.* (2003: 41) for remarks on taxonomy.

COMMON NAMES:
Czech: vrápenec východoafrický. English: Decken's Horseshoe Bat, Eastern Africa horseshoe bat. French: Fer-à-Cheval d'Afrique orientale, Rhinolophe de Decken, Rhinolophe d'Afrique orientale. German: Deckens Hufeisennase. Italian: Rinòlofo di Dècken, Fèrro di cavàllo di Dècken.

CONSERVATION STATUS:
Global - Listed as Near Threatened (NT ver 3.1 (2001)) because this species is probably in significant decline (but probably at a rate of less than, though close to, 30 % over ten years) because of deforestation through much of its range, thus making the species close to qualifying for Vulnerable A2c (Jacobs *et al.*, 2008ab; IUCN, 2009).

Assessment History -
2008 - NT ver 3.1 (2001) (Jacobs *et al.*, 2008ab; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004p; IUCN, 2004). 1996 - DD (Baillie and Groombridge, 1996).

MAJOR THREATS:
Jacobs *et al.* (2008ab) [in IUCN (2009)] reported that this species is presumably threatened by the logging and conversion of forest land to agricultural use, especially in coastal areas.

CONSERVATION ACTIONS:
There appear to be no direct conservation measures in place. It has been recorded from some National Parks and Forest Reserves in Tanzania. There is a need to maintain areas of suitable forest habitat for this species. Further research is needed into the species taxonomy, biology and overall natural history (Jacobs *et al.*, 2008ab; IUCN, 2009).

GENERAL DISTRIBUTION:
Rhinolophus deckenii, a little-known East African species has been recorded from Uganda, Kenya, and Tanzania (including the islands of Pemba, and Unguja [=Zanzibar] [see O'Brien, 2011: 286]). It has recently been found in Mozambique.

Native: Kenya; Mozambique (Monadjem *et al.*, 2010d: 558; Monadjem *et al.*, 2010c: 378); Tanzania (including the islands of Zanzibar and Pemba) (Stanley and Goodman, 2011: 42); Uganda.

ECHOLOCATION:
Monadjem *et al.* (2010c: 378) reported from Mozambique that the peak echolocation frequency of a single male was recorded at 72 kHz (ANABAT).

POPULATION:
Structure and density - Small colonies of less than 20 individuals. It is reported to be locally common in some areas, such as the Manga Forest Reserve, Tanzania (Doggart *et al.*, 1999b) (Jacobs *et al.*, 2008ab; IUCN, 2009).
Trend - 2008 - Decreasing (Jacobs *et al.*, 2008ab; IUCN, 2009).

PARASITES:
Streblidae: *Brachytarsina africana* (Walker, 1849) has a wide distribution in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100).
Nycteribiidae: *Nycteribia tecta* Theodor 1957 from Kenya, Uganda, Tanzania and the Sudan (Haeselbarth *et al.*, 1966: 110).

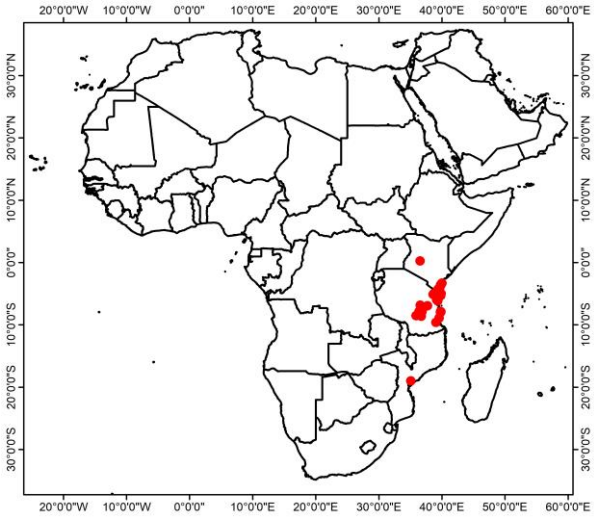

Figure 83. Distribution of *Rhinolophus deckenii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya, Mozambique, Tanzania.

Rhinolophus denti Thomas, 1904

*1904. *Rhinolophus Denti* Thomas, Ann. Mag. nat. Hist., ser. 7, 13 (77): 386. Publication date: 1 May 1904. Type locality: South Africa: Northern Cape province: [formerly Bechuanaland]: Kuruman [26 28 S 22 27 E, 1 300 m] [Goto Description]. Holotype: BMNH 1904.4.8.2: ♂. Collected by: Captain R.E. Dent; collection date: 24 January 1904; original number: 7. - Etymology: In honour of R.E. Dent (Smithers, 1983: 130; Skinner and Smithers, 1990; Taylor (2005), the collector of the type specimen. (Current Combination)

1960. *Rhinolophus denti knorri* Eisentraut, Stuttg. Beitr. Naturk., 39: 3. Publication date: 1 June 1960. Type locality: Guinea: 12 km W Kolenté, Salung Plateau: Nyembaro [ca. 10 05 N 12 30 W] [Goto Description]. Holotype: SMNS 6111: ad ♂, skin and skull. Collected by: Hans Knorr; collection date: 27 November 1956. Dieterlen *et al.* (2013: 293) mention the locality for this specimen as "Salung-Plateau near Nyembaro-Nerebili, 10 km western of Kolenté, 400 m, Guinea". Paratype: SMNS 6112: ad ♀, skin and skull. Collected by: Hans

Knorr; collection date: 19 November 1956. Paratype: SMNS 6112a: ad ♀, skin and skull. Collected by: Hans Knorr; collection date: 19 November 1956. Paratype: ZFMK 1959.0174: ♂, skin and skull. Collected by: Hans Knorr; collection date: 15 November 1956; original number: 90. See Hutterer and Peters (2010: 11). Paratype: ZFMK 1959.0175: ♂, skin and skull. Collected by: Hans Knorr; collection date: 19 November 1956. See Hutterer (1984: 30), Hutterer and Peters (2010: 11). - Comments: Considered a valid subspecies by Grubb *et al.* (1998: 78). Type specimen in the SMNS.

? *Rhinolophus denti denti:* (Name Combination)

? *Rhinolophus denti:* (Current Spelling)

TAXONOMY:

Figure 84. A female *Rhinolophus denti* (TM 48035) caught at Taung, North-West Province, South Africa.

Placed within the *capensis*-group (Csorba *et al.*, 2003: 9 - 10; Simmons, 2005: 354). Possibly includes *R. swinnyi* (see Roberts, 1914; Csorba *et al.*, 2003: 9 - 10). Two subspecies are currently recognised, besides the nominate form described from the Northern Cape Province of South Africa (and including Namibia, Botswana and Zimbabwe), also *R. d. knorri* Eisentraut, 1960 from Guinea (and including Ghana) (Csorba *et al.*, 2003: 9 - 10; Simmons, 2005: 354). *R. d. knorri* is slightly smaller than the nominate form especially in the length of tibia and ear (Csorba *et al.*, 2003: 9 - 10). See Csorba *et al.* (2003: 9 - 10) for further remarks on taxonomy.

COMMON NAMES:

Afrikaans: Dent se saalneusvlermuis, Dent-saalneusvlermuis, Dentse Vlermuis. Czech: vrápenec Dentův. English: Dent's Horseshoe Bat. French: Rhinolophe de Dent. German: Dents Hufeisennase. Portuguese: Morcego ferradura de Dent.

SIMILAR SPECIES:

R. swinnyi (Shortridge, 1934; Roberts, 1914; 1946: 304). Shortridge (1934) was incorrect though, in indicating that Hewitt (1913) described a new subspecies of *R. denti*, from Pirie in the Eastern Cape province of South Africa, when it was actually *R. swinnyi piriensis* (Hewitt, 1913: 402).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:

Avery and Avery (2011: 16) indicate that material from the eastern part of the Northern Cape province in South Africa, that was previously assigned to *R. capensis* should probably be assigned to *R. denti*.

CONSERVATION STATUS:

Global - Although this species is known mainly from isolated records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008ak; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008ak; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004ak; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - NT D1 ver 3.1 (2001) (Schoeman *et al.*, 2016a). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:

Jacobs *et al.* (2008ak) [in IUCN (2009)] reported there appear to be no major threats to this species. It might be locally threatened in parts of its range by disturbance to roosting caves.

CONSERVATION ACTIONS:

There appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further studies are needed into the distribution of this species (particularly in West and Central Africa) (Jacobs *et al.*, 2008ak; IUCN, 2009).

GENERAL DISTRIBUTION:

Rhinolophus denti is widely, but patchily, recorded in West and southern Africa. It ranges from southeastern Senegal, through northern parts of West Africa to northeastern Ghana; in Central Africa it appears to have only been recorded from eastern Congo and southern Angola; in southern Africa, it is present in Namibia, northwestern and southwestern Botswana and northern parts of

South Africa, where the species' distribution is linked with land use/land cover (Babiker Salata, 2012: 50).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 781,091 km^2.

A record from Gambia is doubtful according to Kock *et al.* (2002: 85), since it is possibly of an adolescent *R. landeri*, as is the record from Côte d'Ivoire (Csorba *et al.*, 2003: 10) that is also apparently a *R. landeri* (see Simmons, 2005: 354). Records have been reported from Zimbabwe (Smithers and Wilson, 1979: 57; Fenton and Bell, 1981). However, Smithers (1983) later indicated three records from northeastern Zimbabwe in Smithers and Wilson (1979) and Csorba *et al.* (2003: 10) are misidentifications.

Herkt *et al.* (2017: Appendix S9) found that there are major differences between the occupied ecological niches for *denti* from southwestern Africa and *knorri* from West Africa.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 558); Botswana (Smithers, 1971; Csorba *et al.*, 2003: 10; Monadjem *et al.*, 2010d: 558); Ghana (Csorba *et al.*, 2003: 10); Guinea (Csorba *et al.*, 2003: 10); Guinea-Bissau (Rainho and Ranco, 2001: 48; Simmons, 2005: 354); Mozambique (Smithers and Lobão Tello, 1976; Csorba *et al.*, 2003: 10; Smithers and Lobão Tello, 1976); Namibia (Ellerman *et al.*, 1953; Kock and Howell, 1988; Csorba *et al.*, 2003: 10; Monadjem *et al.*, 2010d: 558); Senegal; South Africa (Northern Cape Province (Ellerman *et al.*, 1953; Herselman and Norton, 1985; Rautenbach, 1986; Monadjem *et al.*, 2010d: 558; Csorba *et al.*, 2003: 10), North West Province (James, 1986; Csorba *et al.*, 2003: 10), Free State Province (Watson, 1998; Monadjem *et al.*, 2010d: 558)).

Bates *et al.* (2013: 338) reject the presence of *R. denti* in the Republic of Congo.

GEOGRAPHIC VARIATION:
See "Taxonomy" section.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Smithers (1983), Skinner and Smithers (1990), Taylor (2000), Csorba *et al.* (2003: 9 - 10), Taylor (2005).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Smithers (1983), Skinner and Smithers (1990), Taylor (2000), Csorba *et al.* (2003: 9 - 10), Taylor (2005).

DETAILED MORPHOLOGY:
Baculum - Unknown
Of the skull, teeth and noseleaves see Csorba *et al.* (2003: 9 - 10).

SEXUAL DIMORPHISM:
Five mensural characters (forearm length, fourth metacarpal length, width across the upper canines, rostral width, and length of the mandibular toothrow) showed significant variation between the sexes in an analysis of specimens from Koegelbeen Cave in the Northern Cape Province of South Africa (Rautenbach, 1986).

ECHOLOCATION:
For individuals at Sengwa in Zimbabwe Jacobs (1996) and Fenton and Bell (1981) reported a maximum frequency of 110 kHz. Jacobs *et al.* (2007a) reported a similar peak frequency of 110.9 (± 1.7) kHz for individuals in South Africa.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Peterson and Nagorsen (1975) reported the diploid number as 2*n* = 58, aFN = 62, BA = 6, X = ST, Y =?, based on specimens from Zimbabwe. These results were supported by Rautenbach (1986) who also reported the Y chromosome to be metacentric. Karyologically identical to *R. swinnyi* (Csorba *et al.* (2003: 9 - 10).
Protein / allozyme - Unknown.

HABITAT:
Found in relatively arid regions (Csorba *et al.*, 2003: 9 - 10). Even the most south easterly record in Africa comes from the drier south-western part of the Free State Province of South Africa (Watson, 1998).

HABITS:
In north western Namibia a specimen shot by Shortridge (1934: 52) at "Rua Cana Falls" had a slow fluttering *Kerivoula*-like flight, and several other individuals were observed "circling low among trees and bushes near the Cunene River on bright moonlight nights". Found roosting at Drotsky's Cave in Namibia throughout the year (Smithers, 1983; Skinner and Smithers, 1990; Taylor, 2005).

ROOST:
Shortridge (1934: 52) records finding a single individual, at Louisvale in the Northern Cape Province of South Africa, inside a low water culvert occupied by a small colony of *Nycteris*. Shortridge, 1934: 52) also records finding two individuals "hanging from the thatched roof inside a small native house at Kaoko-Otavi" in the north western part of Namibia. Also found in caves

(Smithers, 1983; Skinner and Smithers, 1990; Taylor, 2005). At Drotsky's Cave in Namibia the bats were "clinging to the sides of stalactites…hanging freely from the sides in open clusters", and were found in semi-dark 90 m from the cave entrance and in total darkness deep in the cave (Smithers, 1983; Skinner and Smithers, 1990; Taylor, 2005). Notes on an index card for specimens in the Transvaal Museum, from a cave near Warrenton in the Northern Cape Province of South Africa, indicate the cave was wet with water on the floor and dripping from stalactites, and that the bats congregated in separate groups. James (1986: 218) recorded a single individual at a disused quarry near Buxton in the North West Province, roosting on the ceiling of a "ruined mine structure which formed a 2 x 2 x 20 m cement, semi-dark room in a hillside".
Weber and Fahr (2006: 4) indicate that, in Guinea, *R. denti* largely or exclusively depends on the availability of caves as day roosts.

MIGRATION:
May not migrate as *R. denti* has been found roosting at Drotsky's Cave in Namibia throughout the year (Smithers, 1983; Skinner and Smithers, 1990; Taylor, 2005).

DIET:
Insectivorous (Smithers, 1983; Skinner and Smithers, 1990; Taylor, 2000; 2005).

POPULATION:
Structure - The species is known from fewer than 100 in colonies in West Africa, and fewer than 200 colonies in southern Africa (Jacobs *et al.*, 2008ak; IUCN, 2009).
Density - "Sparsely distributed", with no records of large colonies (Shortridge, 1934:52). At Drotsky's Cave in Namibia the bats were observed "clinging to the sides of stalactites in dozens" (Smithers, 1983; Skinner and Smithers, 1990; Taylor, 2005). Herselman and Norton (1985: 92) indicated that this species had not been collected from the Northern Cape province in the "last half century" and could be considered as "extremely rare, possibly extinct, in the Cape Province". Yet, specimens in the Transvaal Museum, collected from the Northern Cape Province of South Africa between 1983 and 1988, indicate that at three different visits; 12, 71 and 15 specimens were taken from Koegelbeen Cave, 12 specimens were taken on a single date from a cave near Warrenton, and 11 specimens were taken on a single date from a locality near Postmasberg.
Trend - 2008 - Unkown (Jacobs *et al.*, 2008ak; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Notes on an index card for specimens in the Transvaal Museum, from a cave near Warrenton in the Northern Cape Province of South Africa, indicate that on 14th of June 1983 the bats were in torpor.

PARASITES:
Brennan *et al.* (2015: 145) found no antibodies against *Pseudogymnoascus destructans* (White-nose syndrome) in blood samples from bats from Botswana.

VIRUSES:
Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that two out of three examined South African *R. denti* specimens tested positive for *Paramyxovirus* sequences.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Rabies: Oelofsen and Smith (1993) tested 12 individuals from three localities using "Trousse Platelia Rage" ELISA kit (Diagnostic Pasteur), none tested positive for antibodies to rabies virus glycoprotein G. Oelofsen and Smith (1993) tested 15 individual brains, from two localities by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

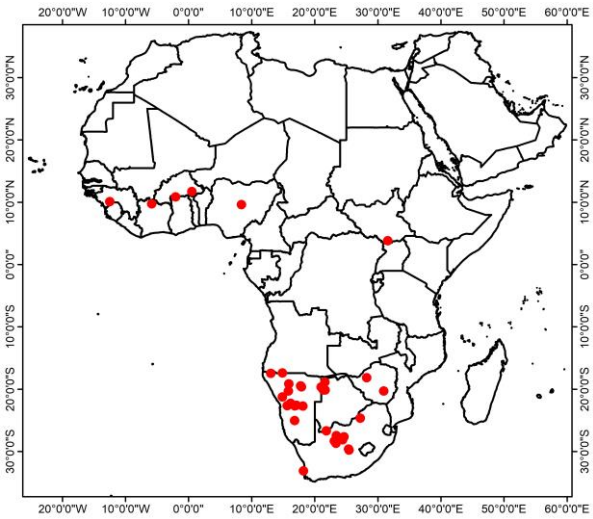

Figure 85. Distribution of *Rhinolophus denti*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Botswana, Burkina Faso, Côte d'Ivoire, Ghana, Guinea, Namibia, Nigeria, South Africa, South Sudan, Zimbabwe.

Rhinolophus eloquens K. Andersen, 1905

*1905. *Rhinolophus Hildebrandti eloquens* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 15 (85): 74. Publication date: 1 January 1905. Type locality: Uganda: Entebbe [00 04 N 32 28 E, 3 800 ft] [Goto Description]. Holotype: BMNH 1899.8.4.4: ad, skin only. Collected by: Sir Frederic John Jackson. See Andersen (1905a: 75). Topotype: ROM 68683: ad ♀, alcoholic (skull not removed). Collected by: Theo Simpson Jones; collection date: 4 July 1963. - Etymology: From the Latin masculine adjective *èloquens*. Andersen (1905a) provides no etymological information; however, it is possible that this *Rhinolophus* is "eloquent" from a phylogenetic and zoogeographical point of view, as Andersen (1905a: 75) writes that "The present form is of great interest from phylogenetic no less than from a zoogeographical point of view" (see Lanza *et al.*, 2015: 93).

1922. *Rhinolophus hildebrandti perauritus* de Beaux, Atti Soc. ital. Sci. nat., 61: 22. Publication date: February 1922. Type locality: Somalia: Territory of the Rahanuin [Goto Description].

2016. *Rhinolophus eloquensis:* Amori, Segniagbeto, Decher, Assou, Gippoliti and Luiselli, Zoosystema, 38 (2): 219. Publication date: 24 June 2016. (Lapsus)

? *Rhinolophus aethiops eloquens:* (Name Combination)

? *Rhinolophus eloquens eloquens:* (Name Combination)

? *Rhinolophus eloquens:* (Name Combination, Current Combination)

? *Rhinolophus fumigatus eloquens:* (Name Combination)

TAXONOMY:
Included as subspecies in *aethiops* by Kock (1969a: 121). Includes *perauritus*; see Koopman (1975: 389). *fumigatus* species group (Csorba *et al.*, 2003: 47 - 48; Simmons, 2005: 354). See Csorba *et al.* (2003: 48) for remarks on taxonomy.

COMMON NAMES:
Czech: vrápenec ugandský. English: Eloquent Horseshoe Bat. French: Rhinolophe éloquent. German: Andersens Hufeisennase. Italian: Rinòlofo eloquènte, Fèrro di cavàllo eloquènte.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008ac; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008ac; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004u; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
Rhinolophus eloquens is threatened by the general conversion of its habitat to agricultural use (Jacobs *et al.*, 2008ac; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008ac) [in IUCN (2009)] reported there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further research needed into the distribution, natural history and threats to this bat.

GENERAL DISTRIBUTION:
Rhinolophus eloquens is endemic to Central and Eastern Africa. It has been recorded from southern Sudan, eastern Democratic Republic of the Congo, Rwanda, Uganda, Kenya, Somalia and the islands of Pemba, Unguja [=Zanzibar], and Mafia in Tanzania (see O'Brien, 2011: 286).

Native: Congo, (Democratic Republic of) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 558); Ethiopia (Lavrenchenko *et al.*, 2004b: 147); Kenya; Rwanda; Somalia; Sudan; Tanzania (United Republic of); Uganda.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Jacobs *et al.*, 2008ac; IUCN, 2009). Trend - 2008 - Unknown (Jacobs *et al.*, 2008ac; IUCN, 2009).

PARASITES:
HEMIPTERA:
Polyctenidae: *Androctenes horvathi* Jordan 1912 recorded from Kenya and Sudan (Haeselbarth *et al.*, 1966: 17).

DIPTERA:
Streblidae: *Brachytarsina africana* (Walker, 1849) has a wide distribution in subsaharan Africa (Haeselbarth *et al.*, 1966: 100). Jobling (1954) as mentions *Raymondia intermedia* Jobling, 1936 as possible parasite of *R. eloquens* (see also Shapiro *et al.*, 2016: 255). *Raymondia seminuda* Jobling, 1954 (Shapiro *et al.*, 2016: 255).
Nycteribiidae: *Nycteribia hoogstraali* Theodor,

1957 from the Torit district in the Sudan (Zumpt 1966: 109). *Penicillidia fulvida* (Bigot, 1885) (Haeselbarth *et al.*, 1966: 114).

VIRUSES:
Filoviridae - Filoviruses
Marburgvirus
Kuzmin *et al.* (2010b: 353) detected MARV RNA in 3.6 % of the examined *R. eloquens* in the DRC.
Luis *et al.* (2013: suppl.) report the presence of Lake Victoria marburg virus.

Rhabdoviridae
Vesiculovirus
Mount Elgon bat virus is reported by Luis *et al.* (2013: suppl.) although they remark that the bat might have been a *R. hildebrandti*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Ethiopia, Kenya, Rwanda, South Sudan, Sudan, Tanzania, Uganda.

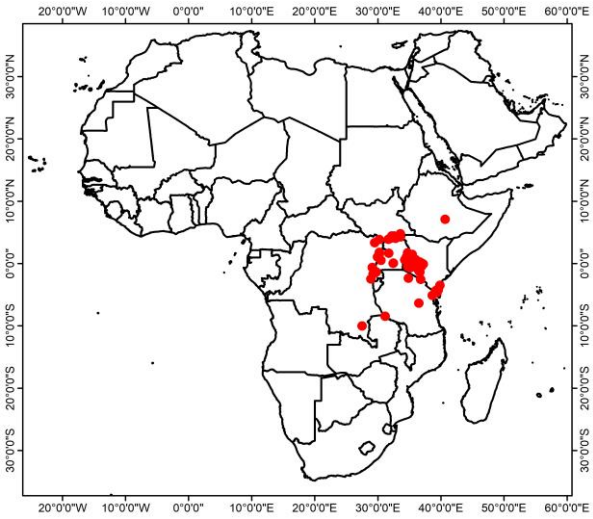

Figure 86. Distribution of *Rhinolophus eloquens*

Rhinolophus euryale Blasius, 1853

*1853. *Rhinolophus euryale* Blasius, Arch. Naturgesch. Berlin, 19 (1): 49, 52, 54. Publication date: 1853. Type locality: Italy: Milan. - Etymology: Referring to "*Euryale*", one of the Gorgons (see Palmer, 1904: 279). (Current Combination)
1867. *Rhinolophus algirus* Loche, Exploration scientifique de l'Algerie pendant les années 1840, 1841, 1842. Mammifères, Cheiroptères, 83. Publication date: 1867. Type locality: Algeria: "Jardin Marengo". - Comments: Allen (1939a: 74) states that this name is not certainly identifiable, but may possible prove to supersede *barbarus* if the types can be found. Ellerman and Morrison-Scott (1951: 120) include it with a question mark in the synonymy of *R. euryale barbarus*.
1896. *Hipposiderus euryale:* Thomas, Ann. Mus. civ. Stor. nat. Genova, (2) 17 (37): 105. (Name Combination)
1904. *E[uryalus] atlanticus* K. Andersen and Matschie, Sber. Ges. naturf. Freunde Berlin, 77. Type locality: France: Indre-et-Loire: St. Paterna. Holotype: ZMB 12963: ♂, alcoholic (skull not removed). Collected by: Nitsche; collection date: 6 April 1893; original number: (formerly ZMB 6705). See Turni and Kock (2008: 28). Paratype: MNHN ZM-MO-1879-2030: alcoholic (skull not removed). Collected by: The Lataste collection. See Rode (1941: 238).
1904. *E[uryalus] Cabreræ* K. Andersen and Matschie, Sber. Ges. naturf. Freunde Berlin, 78. Type locality: Spain: Madrid: Alcata de Henares [40 25 N 03 43 W]. Holotype: ZMB 12964: ♀, alcoholic (skull not removed). Original number: ex. Museum Madrid. See Turni and Kock (2008: 28). - Comments: Mentioned as *cabrerai* by Trouessart, 1910 (see Cabrera, 1914: 83).
1970. *R[hinolophus] euryole:* Rushton, Ann. Génét. Sél. anim., 2 (4): 463. (Lapsus)
1970. *Rhinolophus euroyle:* Rushton, Ann. Génét. Sél. anim., 2 (4): 466. (Lapsus)

TAXONOMY:
Revised by DeBlase (1972). Gaisler (2001: 68) does not recognises subspecies. *euryale* species group (Csorba *et al.*, 2003: 14 - 16; Simmons, 2005: 354 - 355). See Csorba *et al.* (2003: 16) for remarks on taxonomy.

COMMON NAMES:
Albanian: Lakuriq nate hundpatkua i Mesdheut. Basque: Ferra-saguzar mediterraneoa. Catalonian (Spain): Rat penat mediterrani de ferradura, Ratapinyada mediterrània de ferradura. Croatian: Južni potkovnjak. Czech: vrápenec středozemský, vrápenec jižní. Dutch: Paarse hoefijzerneus. English: Mediterranean Horseshoe Bat. French: Rhinolophe euryale. Gallician (Spain): Morcego mediterráneo de ferradura. German: Mittelmeerhufeisennase, Mittelmeer-Hufeisennase, Gleichsatteligen Kammnase. Greek: Μεσορινόλοφος. Hungarian: kereknyergû

patkósorrú denevér, Rinolophos i mesogiaki, Rhinolophos i mehelios. Italian: Rinolofo Eurìale, Ferro di cavallo Eurìale, ferro di cavallo mediterraneo. Macedonian: Juzhen Potkovichar. Portuguese: Morceogo-de-ferradura-mediterrânico. Romanian: Liliac-sudic. Russian: Южный подковонос, (Yuzhnyj podkovonos). Slovenian: južni podkovnjak. Spanish (Castillian): Murciélago medtierráneo de herradura, Rinolofo mediterraneao de herradura, Murciélago de herradura mediterráneo.

SIMILAR SPECIES:
Puechmaille and Teeling (2013: 252) point out that visual identification of hibernating bats might be problematic in the case of *R. euryale* and *R. mehelyi*, as bat they originally identified as *R. mehelyi* turned out to belong to the other species after using non-invasive genetic tests on the animals' droppings.

CONSERVATION STATUS:
Global - Many range states have reported that populations have declined, and colonies have disappeared over the last 27 years (=3 generations). It is inferred that overall population decline has approached 30 % over that period (although the population is now stable and or even increasing in some areas, e.g. France), so the species is assessed as Near Threatened (approaching A2c) (NT ver 3.1 (2001)) (Hutson *et al.*, 2008o; IUCN, 2009).

Assessment History -
2008 - NT ver 3.1 (2001) (Hutson *et al.*, 2008o; IUCN, 2009). 1996 - VU A2c ver 2.3 (1994).

MAJOR THREATS:
Threats include loss of foraging habitat, and disturbance and loss of underground habitats. On a landscape scale, fragmentation and loss of linear elements such as hedgerows and riparian vegetation is a problem because such elements are used as landscape references for commuting. The species' strong dependence upon caves for roosting makes it particularly sensitive to cave disturbance, such as that from caving or tourism. Tourist disturbance of caves affects the species in several range states. The use of organochlorine pesticides is believed to have contributed to the earlier dramatic decline of the species in France (Brosset *et al.*, 1988). In North Africa, threats include habitat loss due to agriculture (livestock) and human disturbance (Hutson *et al.*, 2008o; IUCN, 2009).

Aerial hawking, water stress, and its small distribution range are believed to be the most important risk factors for this species linked with climatic change (Sherwin *et al.* (2012: 174).

CONSERVATION ACTIONS:
Hutson *et al.* (2008o) [in IUCN (2009)] reported *Rhinolophus euryale* is protected by national legislation in most range states. There are also international legal obligations for protection of this species through the Bonn Convention (Eurobats) and Bern Convention, where these apply. It is included in Annex II (and IV) of EU Habitats and Species Directive, and hence requires special measures for conservation including designation of Special Areas for Conservation. There is some habitat protection through Natura 2000, and some roosts are already protected by national legislation). The species is directly or indirectly benefiting from EU LIFEfunded projects in France, Spain and Italy. No specific measures are in place in North Africa.

GENERAL DISTRIBUTION:
Rhinolophus euryale is a western Palaearctic species, occurring in southern Europe, north-west Africa (known range extends across northern Morocco, Algeria, and Tunisia), and the Near East. There is only a single record from Cyprus, but this is regarded by most authors to be *R. mehelyi*. It is widely distributed over its range, and is found from sea level to 1,000 m.

Native: Abkhasia; Albania; Algeria (Csorba *et al.*, 2003: 16); Andorra; Armenia; Azerbaijan; Bosnia and Herzegovina; Bulgaria; Croatia; France (Corse) (Csorba *et al.*, 2003: 16); Georgia; Gibraltar; Greece (East Aegean Is.); Holy See (Vatican City State); Hungary; Iran (Csorba *et al.*, 2003: 16), Islamic Republic of; Iraq; Israel (Csorba *et al.*, 2003: 16); Italy (Sardegna, Sicilia); Jordan; Lebanon [see Horácek *et al.* (2008: 55)] (Csorba *et al.*, 2003: 16); Macedonia, the former Yugoslav Republic of; Monaco; Montenegro; Morocco (Csorba *et al.*, 2003: 16; El Ibrahimi and Rguibi Idrissi, 2015: 359); Palestinian Territory, Occupied; Portugal (Csorba *et al.*, 2003: 16); Romania; Russian Federation; San Marino; Serbia; Slovakia; Slovenia; Spain; Syrian Arab Republic (Csorba *et al.*, 2003: 16); Tunisia (Csorba *et al.*, 2003: 16; Dalhoumi *et al.*, 2016b: 867); Turkey (Csorba *et al.*, 2003: 16).
Regionally extinct: Switzerland.
Presence uncertain: Cyprus [see Benda *et al.* (2007: 71)]; Egypt; Turkmenistan.

DETAILED MORPHOLOGY:
Baculum - See Csorba *et al.* (2003: 15).

In their study on take-off performance, Gardiner *et al.* (2014: 1059) determined a wing beat frequency of 11.48 ± 0.50 Hz.

ECHOLOCATION:
The data for 38 animals from Greece were the following: F_{start}: 91.8 ± 5.00 kHz, F_{end}: 88.7 ± 3.49 kHz, F_{peak}: 104.8 ± 0.96 kHz, bandwidth: 3.5 ± 1.05 kHz, duration 53.8 ± 20.42 msec and interpulse interval: 84.5 ± 30.01 msec (Papadatou *et al.*, 2008b: 132).
Walters *et al.* (2012: suppl.) report the following figures for 26 calls (15 sequences) from French and Italian bats: duration: 35.23 ± 18.06 msec, F_{max}: 102.28 ± 1.20 kHz, F_{min}: 88.22 ± 4.30 kHz, bandwidth: 14.06 ± 3.69 kHz, F_{peak}: 101.68 ± 2.18 kHz.

Animals from Tunisia emitted sounds at 102.39 ± 1.01 kHz (105.0 - 106.5 kHz; Dalhoumi *et al.*, 2016b: 866).

Schuchmann *et al.* (2012: 161) found that both sexes were able to recognize the sex of conspecifics from their echolocation calls.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Both Bovey (1949) and Capanna and Manfredi Romanini (1971) reported 2*n* = 58, FN = 60. Rushton (1970: 463) also reported 2*n* = 58, FN=60, with two (sub)metacentric, 24 acrocentrics, and 2 minute pairs or acrocentric chromosomes. The X chromosome is reported as submetacentric and the Y chromosome as minute. Zima *et al.* (1992a) reported 2*n*=58, FN=60, BA=4, a submetacentric X chromosome and a metacentric Y chromosome for a specimen from Greece.

Capanna and Civitelli (1964a: 371) reported 2*n* = 58, including 24 acrocentric pairs, 2 metacentric pairs and two pairs of very small chromosomes. The X chromosome was reported as a large submetacentric and the Y as a very small one.

Protein / allozyme - Unknown.

HABITAT:
Russo *et al.* (2005: 327) and Goiti *et al.* (2008: 498 - 499) indicate that, in Spain, *R. euryale* always foraged in areas where there were trees, and never over open meadows, pastures, heath, gorse- or fern-covered areas (or any other open habitats). About 96 % of the bats they tagged, used hedgerows to forage in. The second most frequented habitat (90 %) was broad-leaved woodland, whereas isolated trees were visited between 1 and 12 %. Exotic tree plantations (e.g. *Eucalyptus* formed the least preferred habitat. Furthermore, the breeding colony size was found to be positively correlated with the availability of edges around breeding sites.

HABITS:
From the Iberian Peninsula, Goiti *et al.* (2006: 141) reported that during pre-breeding foraging occurred on average within 1.3 km, and at most 4.2 km from the roost. For lactating females, the average distance was 4.3 km, and a maximum distance from the roost of 9.2 km was observed. In the same period, males foraged closer (mean 1.9 km). During the post-lactation period, adults travelled a mean of 4.6 km, whereas juveniles flew on average only 2.6 km.

ROOST:
Based on data from Sardinia, Russo *et al.* (2014: 9) rule out that *R. euryale* and *R. mehelyi* compete for roosting sites.

DIET:
In northern Spain, Goiti *et al.* (2008: 496 - 497) examined 810 feces from 168 bats. These showed that the bat's diet included 10 prey categories, of which the Lepidoptera (moths) formed the staple diet (between 68 and 99 % of the diet). Moths are also the most important prey during lactation and post-lactation. Another important prey item, although very seasonal and especially prebreeding, was the beetle *Rhizotrogus* (Scarabaeidae). Other food items (in descending rank) included lacewings (Neuroptera, Chrysopidae and Hemerobiidae), craneflies (Diptera, Tipulidae), brachyceran flies, Psocoptera, and Hymenoptera. Diets were similar for adults and juveniles.

In the southwestern Iberian peninsula, Arrizabalaga-Escudero *et al.* (2018: Suppl.) identified the following food items from faecal samples of *R. euryale* (food items marked with an asterisk were also found in faecal samples of *R. mehelyi*): Coleoptera (Cerambycidae: *Arhopalus ferus* (Mulsant, 1839)*); Diptera (Tachinidae: unidentified*: *Phryno vetula* (Meigen, 1824); Muscidae: *Polietes lardarius* (Fabricius, 1781)); Lepidoptera (Crambidae: *Calamotropha paludella* (Hübner, 1824)*; *Metasia ophialis* (Treitschke, 1829); *Ostrinia nubilalis* (Hübner, 1796)*; Erebidae *Catocala nymphaea* (Esper, 1787); *Catocala nymphagoga* (Esper, 1787)*; *Lygephila lusoria* (Linnaeus, 1758); Gelechiidae: *Teleiopsis* sp.*; Geometridae: *Aplasta ononaria* (Füssli, 1783); *Camptogramma bilineata* (Linnaeus, 1758)*; *Ennomos quercaria* (Hübner, 1813)*; *Gymnoscelis rufifasciata* (Haworth, 1809); *Idaea ochrata/rufaria*; *Pachycnemia hippocastanaria* (Hübner, 1799)*; *Rhoptria asperaria* (Hübner, 1817)*; Noctuidae: *Acronicta rumicis* (Linnaeus, 1758); *Agrotis segetum/trux**; *Agrotis ipsilon* (Hufnagel, 1766)*; *Amphipyra tragopoginis* (Clerck, 1759); *Apamea monoglypha/sicula*; *Apamea arabs* Oberthur, 1881; *Autographa gamma/pulchrina**; *Calophasia*

platyptera (Esper, [1788])*; *Cosmia trapezina* (Linnaeus, 1758); *Mythimna albipuncta* (Denis & Schiffermüller, 1775)*; *Mythimna loreyi/sicula**; *Peridroma saucia* (Hübner, 1808)*; *Polyphaenis sericata* (Esper, 1787)*; *Sesamia nonagrioides* (Lefèbvre, 1827)*; Nolidae: *Meganola strigula* (Denis & Schiffermüller, 1775); Praydidae: *Prays fraxinella* Bjerkander, 1784*; Pyralidae: *Ephestia mistralella* (Millière, 1874); *Pempelia palumbella* (Denis & Schiffermüller, 1775)*; *Phycita* sp.; Tortricidae: *Cnephasia* sp. 1*; *Cnephasia* sp. 2*); Neuroptera (Chrysopidae: *Chrysoperla* sp.*; *Cunctochrysa albolineata* (Killington, 1935); *Pseudomallada flavifrons* (Brauer, 1851); Myrmeleontidae: *Distoleon tetragrammicus* (Fabricius, 1798)*); Orthoptera (Tettigoniidae: *Tessellana tessellata* (Charpentier 1825)). Of the 62 prey taxa, 32 (representing over 75 % of all food items) were consumed by both bat species.

Andreas *et al.* (2013) using faecal analysis of *R. euryale* from southern Slovakia, showed that this species mainly fed on medium-sized moths (25 - 40 mm) (%f = 60; %vol = 74) and the diet of *R. euryale* contained Neuroptera (Hemerobiidae) (%f = 2.2; %vol = 0.3), nematoceran Diptera (%f = 13.3; %vol = 9.1) and Trichoptera (%f = 6.7; %vol = 3.6). In the same area (and northern Hungaria), Miková *et al.* (2013: 848) investigated the relation between food and ambient temperature during winter.

Ahmim and Moali (2013: 175) examined droppings from northern Algeria, which contained mainly Insecta (96.19%) and Chilopoda (3.81%). Diptera accounted for 29.00 % (Culicidae: 14.29 %, Chironomidae/Ceratopogonidae: 7.14 %, and Tipulidae: 5.71 %. Lepidoptera were the second most important order and accounted for 19.08 %.

Laurent (1944a: 13) tried to (force) feed captive animals with mealworms (*Tenebrio molitor*), but these were rejected.

Gardiner *et al.* (2014: 1058) assessed its foraging strategy as "low altitude slow aerial hawking", with no observations of gleaning.

POPULATION:
Structure and Density - According to Hutson *et al.* (2008o) [in IUCN (2009)], *R. euryale* is an infrequent species. Summer colonies number ca. 50 - 1,500 individuals (S. Aulagnier *pers. comm.,* 2007). Winter clusters typically number up to 2,000 animals. It occurs in large vulnerable colonies, and is considered threatened in many range states. Large population declines have been reported in several European countries, including Spain (Palomo and Gisbert, 2002). In France, the population declined by ca. 70 % between 1940 and 1980, although subsequently the trend appears to have stabilised (Brosset *et al.*, 1988; S. Aulagnier *pers. comm.,* 2007). Apart from *R. blasii*, which may have gone extinct in the country, *R. euryale* is probably the rarest rhinolophid in Italy, and anecdotal evidence suggests that a number of colonies have declined in the past few decades (D. Russo *pers. comm.,* 2006). The species has a very small and declining population in Portugal (Rodrigues *et al.*, 2003; Cabral *et al.*, 2005). It is stable and common in the central and eastern Balkans (M. Paunovic *pers. comm.,* 2007).
There is little information on population trends outside Europe, although it is suspected that continuing declines have also occurred in at least parts of the non-European range. For example, in Iran the species is no longer found in caves which 30 years ago held 20,000 individuals of different species (M. Sharifi *pers. comm.,* 2005).
Trend - 2008 - Decreasing (Hutson *et al.*, 2008o; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 13 years.

REPRODUCTION AND ONTOGENY:
Tuttle and Stevenson (1982: 121) indicate that males need about 27 months to reach sexual maturity, whereas females need between 15 and 27 months.

Szekely *et al.* (2015: Suppl.) mention that both males and females become sexually mature after 821 days (= about 27 months). The gestation period takes 90 days, after which a young is born with a weight of 3.89 g (adult: 8.2 g).

POSTNATAL DEVELOPMENT:
In Iran, Eghbali *et al.* (2017: 276) found that the young's body mass increased linearly until day 23, when it attained 74.29 % of the mean mass of adult females. Its body mass increased (from 3.58 g at birth) by 0.36 g per day and its forearm length increased (from 20.10 mm at birth) by 1.41 mm/day. By day 70, the epiphysal gap was closed. The wing load decreased by 0.09 Nm^{-2}/ day until day 36, and subsequently increased again to a maximum of 6.56 ± 0.30 Nm^{-2} by day 80.

PARASITES:
Hirst (1923: 989) mentions that Kolenati described a mite (*Periglischrus interruptus*) from a bat, he originally identified as "*R. clivosus* [= *R. blasii*]", but that he corrected this later to *R. euryale*.

Ševcík *et al.* (2012: 35) report on the presence of the bat flies *Nycteribia schmidlii schmidlii* Schiner, 1853 and *Phthiridium biarticulatum* Hermann,

1804 on bats from Cyprus.

The bat flies *Brachytarsina flavipennis* Macquart, 1851 (Streblidae) and *Phthiridium biarticulatum* Hermann, 1804 (Nycteribiidae) were reported from Jordan by Benda *et al.* (2010b: 238). Benda *et al.* (2010b: 238) also refer to previous reports from Turkey mentioning the following parasites: *Nycteribia pedicularia* Latreille, 1805, *N. schmidlii* Schiner, 1853, *N. kolenatii* Theodor and Moscona, 1954, *N. vexata* Westwood, 1835, *Brachytarsina flavipennis* Macquart, 1851, and *Rhinolophopsylla u. unipectinata* (Taschenberg, 1880) and in Palestine *Penicillidia conspicua* Speiser, 1901 and *P. dufourii* (Westwood, 1835).

Bendjeddou *et al.* (2017: 15) reported the following ectoparasites from Algeria: Nycteribiidae: *Nycteribia (Nycteribia) pedicularia* Latreille, 1805, *Penicillidia (Penicillidia) dufourii* Westwood, 1835 and *Phthiridium biarticulatum* Hermann, 1804; and Siphonaptera: *Rhinolophopsylla unipectinata arabs* Jordan and Rothschild, 1921.

From Tunisia, Vermeil (1960: 738) reported the presence of the Nycteribiids *Nycteribia latreillii* Leach, 1817 and *Nycteribia vexata vexata* Westwood, 1835.

VIRUSES:
Coronaviridae - Coronaviruses
Luis *et al.* (2013: suppl.) mention the presence of a SARS coronavirus-related virus.

Alphacoronavirus
Reported from Germany by Kohl and Kurth (2014: 3112).
Ar Gouilh *et al.* (2018: 90) reported the EPI 10 virus from an *R. euryale* from Morocco.

Betacoronavirus
Reported from Bulgaria and Germany by Kohl and Kurth (2014: 3112).

Orthomyxoviridae
Despite sampling and testing of 2 individuals of this species, no evidence of influenza A-like viruses (Orthomyxoviridae) were obtained (Fereidouni *et al.*, 2015).

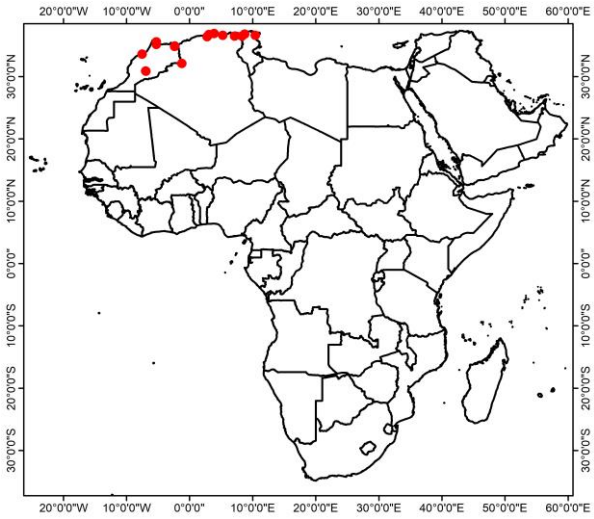

Figure 87. Distribution of *Rhinolophus euryale*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Algeria, Egypt, France, Morocco, Tunisia.

Rhinolophus ferrumequinum (Schreber, 1774)

*1774. *Vespertilio ferrum-equinum* Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, 1 (8): pl. 62, upper fig + 1 (9): 174. Publication date: 1774. Type locality: France: "France". - Etymology: From the Latin "*ferrum*" meaning iron and "*equus*" meaning horse.
1792. *Vespertilio ferrum-equinum major* Kerr, Animal Kingdom, 1 (1): xvii, 99. Type locality: France. - Comments: This might be an African form, but we lack further information.
1803. *major* E. Geoffroy Saint-Hilaire, Catalogue des Mammifères du Muséum national d'Histoire naturelle, Paris, ???. - Comments: This might be an African form, but we lack further information.
1961. *Rhinolophus ferrumequinum millali:* Lavocat, Notes Mém. Serv. Mines Carte geol. Maroc, 155: ?. Type locality: Morocco. - Comments: This is a fossil form from the Miocene-Pliocene. (Name Combination)
? *Rhinolophus ferrumequinum ferrumequinum:* (Name Combination)
? *Rhinolophus ferrumequinum:* (Name Combination, Current Combination)

TAXONOMY:
Taxonomic revisions by Felten *et al.* (1977), Strelkov *et al.* (1978), Kryštufek (1993) and Thomas (1997). Thomas (1997) recognized seven subspecies based on morphological characters (*R. f. ferrumequinum* in Europe and northwest Africa, *R. f. creticum* in Crete, *R. f. irani* in Iran, Iraq and Turkmenistan, *R. f. proximus* from Afghanistan and Pakistan to India, *R. f. tragatus* in north India and China, *R. f. korai* in Korea and *R. f. nippon* in

Japan). *ferrumequinum* species group (Csorba *et al.*, 2003: 42 - 45; Simmons, 2005: 355). See Csorba *et al.*, 2003: 44 - 45) for further remarks on the taxonomy.
Based on cytochrome *b* analyses, Koh *et al.* (2014: 97) indicate that northern African populations form one clade with specimens from Europe and western Asia, which is different from three other clades: far-eastern Asia, eastern China and central China.

COMMON NAMES:
Albanian: Lakuriq nate hundpatkua i madh. Arabian: Khafash abu hadwa kabir. Basque: Ferra-saguzan handia. Catalonian (Spain): Rat penat gran de ferradura, Ratapinyada gran de ferradura. Croatian: Veliki potkovnjak. Czech: vrápenec velký, wrápenec podkowní, podkováček, podkováček, obecný, vrápenec podkovní, vrápenec podkovníček, vrápenec veliký, veliký vrápenec podkovní, vrápeník podkovní, vrápenec podkrovní. Danish: Stor hesteskonaese. Dutch: Grote hoefijzerneus. English: Larger Horseshoe Bat, Greater Horseshoe Bat. French: Grand Rhinolophe, Grand Fer-à-Cheval. Gallician (Spain): Morcego de ferradura grande. German: Große Hufeisennase, Großhufeisennase. Greek: Τρανορινόλοφος. Hungarian: nagy patkósorrú denevér, nagy patkósdenevér, Rhinolophos i megali. Italian: Rinolofo maggiore, Ferro di Cavallo Maggiore. Macedonian: Golem Potkovichar. Maltese: Farfett il-Lejl tan-Nala kbir. Norwegian: Stor hesteskonese. Polish: podkowiec duzy. Portuguese: Morcego-de-ferradura-grande. Roman: Nas fier-chaval grond. Romanian: Liliac-mare-cupotcoavã. Russian: Большой подковонос, (Bolshoj podkovonos). Slovakian: Podkovár vel'ky. Slovenian: veliki podkovnjak. Spanish (Castillian): Murciélago grande de herradura, Rinolofo grande de herradura.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Lavocat (1961) described a new subspecies found in deposits of the Mio-Pliocene, at Beni Mellal. See Butler (1978).

CONSERVATION STATUS:
Global - This species has a large range. Although there have been marked and well-documented declines in some areas, the species remains widespread, abundant, and apparently stable in other areas. Assessed as Least Concern (LC ver 3.1 (2001)) (Aulagnier *et al.*, 2008a; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Aulagnier *et al.*, 2008a; IUCN, 2009). 2000 - LR/nt. 1996 - LR/nt ver 2.3 (1994).

MAJOR THREATS:
Aulagnier *et al.* (2008a) [in IUCN (2009)] reported the main threats are fragmentation and isolation of habitats, change of management regime of deciduous forests and agricultural areas, loss of insects due to pesticide use, and disturbance and loss of underground habitats and attics. In northwest Europe, habitat change is likely to have been amongst the major causes of declines, the conversion of woodland and small-field landscape to large-scale agricultural land being particularly damaging. While declines elsewhere, particularly in eastern Europe, may currently not be so marked, the loss of cultural landscapes in those countries as they move towards western-style economies may have significant effects in the near future. The use of pesticides has been a recognized threat to the insect food, particularly where these have been directed against the larvae of favoured food items, such as melolonthid beetles, larvae of noctuid moths or crane-flies. Favoured prey may be affected secondarily by pesticide use, such as the loss of dung fauna from the use of persistent anti-parasitic drugs (avermectins) on cattle. Populations in caves and other underground habitats have suffered from increased disturbance (for example by tourist visits to caves). In buildings, colonies may be affected by human intolerance, renovation work or the application of pesticides, such as some of those used for the remedial treatment of timbers (Hutson *et al.*, 2001). In South Asia, this species is threatened by deforestation, generally resulting from logging operations and the conversion of land for agricultural and other uses. Disturbance to roosting sites is likely to be a potential threat to the populations of this species (Molur *et al.*, 2002).

Concerning climatic change, the most important risk factors identified by Sherwin *et al.* (2012: 174), are water stress, aerial hawking and long-distance dispersal.

CONSERVATION ACTIONS:
Aulagnier *et al.* (2008a) [in IUCN (2009)] reported *Rhinolophus ferrumequinum* has been the subject of widespread conservation activity, especially in Europe. Until recently, this has concentrated on roosts in buildings and caves. Many buildings used as roosts have management agreements and many underground sites have been protected. Nevertheless, sites continue to be lost or damaged. More recently, attention has turned to identifying more precisely the food and foraging requirements. A European meeting (Germany, May 1995) discussed the status and conservation needs for the species on a pan-European scale. The Bern Convention has commissioned a Europe-wide Species Action Plan under the Pan-European Biological and Landscape Diversity

Strategy (Ransome and Hutson, 2000). It is protected by national legislation in some range states. There are international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern Convention in parts of its range where these apply. It is included in Annex II (and IV) of the European Union Habitats Directive, and hence requires special measures for conservation including designation of Special Areas for Conservation. There is some habitat protection through Natura 2000 (some roosts are already protected by national legislation).

Flanders and Jones (2009: 894) point out that, in the U.K., management of broad-leaved woodland areas in close proximity (within 4 km) of transitional roosts (used in spring and autumn) should be enhanced.

There are no specific conservation measures in place for the species in North Africa or South Asia. Populations should be monitored to record changes in abundance and distribution (Molur *et al.*, 2002).

GENERAL DISTRIBUTION:
Rhinolophus ferrumequinum has a wide range in the Palaearctic, occuring from North Africa and southern Europe through south-west Asia, the Caucasus, Iran, Afghanistan, Pakistan and the Himalayas to south-eastern China, Korea, and Japan (Csorba *et al.*, 2003; Abe *et al.*, 2005). It usually occurs below 800 m asl, but can be found up to 3,000 m asl in the Caucasus depending on roost availability and humidity (K. Tsytsulina *pers. comm.,* 2005).

Native: Abkhasia; Afghanistan; Albania; Algeria; Andorra; Armenia; Austria; Azerbaijan; Bangladesh; Bhutan; Bosnia and Herzegovina; Bulgaria; China; Croatia; Cyprus; Czech Republic; France (Corse); Georgia; Germany; Gibraltar; Greece (Kriti); Hungary; India; Iran, Islamic Republic of; Iraq; Israel; Italy (Sardegna, Sicilia); Japan; Jordan; Kazakhstan; Korea, Democratic People's Republic of; Korea, Republic of; Kyrgyzstan; Lebanon; Liechtenstein; Luxembourg; Macedonia, the former Yugoslav Republic of; Moldova; Monaco; Montenegro; Morocco (El Ibrahimi and Rguibi Idrissi, 2015: 358); Nepal; Pakistan; Palestinian Territory, Occupied; Poland; Portugal; Romania; Russian Federation; San Marino; Saudi Arabia; Serbia; Slovakia; Slovenia; Spain (Baleares); Switzerland; Syrian Arab Republic; Tajikistan; Tunisia (Dalhoumi *et al.*, 2014: 53, 2016b: "3"); Turkey; Turkmenistan; Ukraine; United Kingdom; Uzbekistan.
Possibly extinct: Malta.
Regionally extinct: Belgium; Netherlands.

BIOGEOGRAPHY:
See Rossiter *et al.* (2007).

GEOGRAPHIC VARIATION:
Benda *et al.* (2014c: 16) mention that the Libyan *R. ferrumequinum* specimens are very small in size, and even the smallest within the Mediterranean range of this species, which led to their confusion with *R. clivosus*.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Lucati and López-Baucells (2016: Suppl.) refers to an albino specimen that was reported from "South Africa?" by Allen (1939b).

DETAILED MORPHOLOGY:
Baculum - See Csorba *et al.* (2003: 43).

Forman (1973) [in Scillitani *et al.* (2005: 302)] regards the stomach of this bat as primitive for the order and probably represents the ancestral condition of lower Eutheria, because it presents a number of features in common with Insectivora.

ECHOLOCATION:
Fukui *et al.* (2011: 1548) report that, in Japan, the detection range for *Rhinolophus ferrumequinum* calls is less than 5 metres.
Jones and Siemers (2010: 450) indicate that juveniles emit lower frequencies than adults, and Jones and Ransome (1993: 125) found that the young's resting constant-frequency (RF) values are at least partially determined by their mother's RF. Jones and Ransome (1993: 125) furthermore report that calls of *R. ferrumequinum* specimens aged between 1 and 28 years vary seasonally and over a lifetime in a predictable manner.

For 28 Greek specimens, Papadatou *et al.* (2008b: 132) report a start frequency of 66.5 ± 3.23 kHz, a terminating frequency of 64.9 ± 4.33 kHz, and a bandwidth of 3.9 ± 1.34 kHz. The duration of the call is 53.8 ± 10.50 msec, and the interpulse interval is 92.1 ± 24.94 msec.
Andrews *et al.* (2006: 199) analyzed 500 echolocation calls from UK bats, and found an average frequency of 83.8 ± 0.4 kHz and 21.0 ± 6.4 ms duration. Another set of 500 calls had an average frequency of 84.0 ± 0.5 kHz and a duration of 31.9 ± 9.5 ms. Social calls were emitted at frequencies between 15 and 29 kHz and their duration was between 4 and 49 ms (p. 201).
Walters *et al.* (2012: suppl.) report the following figures for 30 calls from bats from France, Switzerland and the UK: duration: 50.08 ± 13.52 msec, F_{max}: 81.66 ± 1.68 kHz, F_{min}: 70.29 ± 3.62 kHz, bandwidth: 11.37 ± 3.19 kHz, F_{peak}: 81.46 ± 1.65 kHz.
Dalhoumi *et al.* (2016b: 866) reported a long constant frequency part between 85 and 88 kHz

for Tunisian animals.

From experiments in a flight tunnel, Koselj and Siemers (2013: 81) found that *R. ferrumequinum* bats can extract information from echolocation calls produced by conspecifics. This could facilitate sensory cooperation among echolocating bats.

In China, Sun *et al.* (2013: 1) found regional differences in the resting frequency of echolocation calls of *R. ferrumequinum* which were significantly correlated with geographic distance and mean annual temperature.

Besides the ultrasound calls used in echolocation, Andrews and Andrews (2003: 221) also report on twelve types of ultrasound social calls, which were in the range of 20 to 29 kHz and had a duration of 1 to 49 ms. Furthermore, there were also low frequency (audible) social calls (1 - 10 kHz).

For Morocco, Disca *et al.* (2014: 226) indicate that the type of call is FM-FC-FM, with F_{peak}: 84.6 ± 0.8 kHz and duration: 30.3 ± 7.6 msec.

MOLECULAR BIOLOGY:
DNA - See Rossiter *et al.* (2007).

Karyotype - Makino (1948), Capanna and Civitelli (1964a: 363), Rushton (1970: 463), Baker *et al.* (1974; 1975) and Qumsiyeh *et al.* (1986) all reported 2*n* = 58, FN = 60, a submetacentric X chromosome, and an acrocentric Y chromosome. Volleth and Eick (2012: 167) reported 2*n* = 58 and 28 as segment number. In Turkey, Arslan and Zima (2014: 7) found 2*n* = 58, FNa = 60-62, FN = 64-66, a metacentric X and an acro-/metacentric Y. The autosomal chromosomes consist of two medium-sized bi-armed pairs and 26 acrocentric pairs, but they indicate that one of the acrocentric pairs is considered by some other authors to be bi-armed, leading to the different FN and FNa values. Capanna and Civitelli (1964a: 371) mention 24 pairs of acrocentric chromosomes, 2 metacentric pairs, and 2 pairs of very small chromosomes; the X chromosome was reported as a large submetacentric and the Y as a very small one.

Protein / allozyme: Unknown.

HABITAT:
In the U.K., Flanders and Jones (2009: 891) reported that on an overal area of about 632 ha used by a colony of *R. ferrumequinum* specimens, 28.7 % consisted of pasture, 26.6 % of broad-leaved woodland, 16.1 % of arable, 8.2 % of mixed woodland, 6.7 % urban, 5.8 % scrub, 4.3% grassland, 1.6 % heathland, 1.4 % water, and 0.7 % coniferous woodland. They also reported the following habitat preferences (high to low): pasture, broad-leaved woodland, mixed woodland, water, scrub, grassland, urban, coniferous woodland, heathland, and arable. Fukui *et al.* (2011: 1551) indicate that, in Japan, this species prefers natural forest gaps over artificially made gaps as in the latter debris is generally removed, leaving no tree branches for it to hang from while scanning for prey.

HABITS:
Park *et al.* (2000) [in Sherwin *et al.* (2012: 172)] found that *R. ferrumequinum* was longer active when the temperatures were higher than 10 °C, which they considered to be a thermal threshold for insect activity.

DIET:
Flanders and Jones (2009: 892) examined 1,580 bat droppings in the U.K. and found that Lepidoptera (moths) were the most abundant prey. In spring, *Melolontha melolontha* (May bugs), beetles of the genus *Geotrupes* (dor beetles), Trichoptera (caddis flies), Tipulidae (crane flies), Ichneumonidae (ichneumonid wasps), and Lepidoptera were contributing to the diet. In autumn, the two beetle species were replaced by representatives of the genus *Aphodius* (dung beetles), and additional to the other groups of insects, Diptera (mainly dung flies) were also part of the main prey types.

Andreas *et al.* (2013) using faecal analysis of *R. euryale* from southern Slovakia, showed that this species fed mainly on large moths (>40mm) (%f = 54; %vol = 89) and comprised also Coleoptera (%f = 19.5; %vol = 4.82), represented by Scarabaeidae, Elateridae and Curculionoidea.

In northern Algeria, Ahmim and Moali (2013: "2") found that *R. ferrumequinum* fed on three groups of arthropods: Insecta (95.31 % [Diptera: 34.56 % and Lepidoptera: 24.13 %]), Chilopoda (4.49 %) and Araneida (0.20 %). The largest groups within the Diptera were Culicidae (10.40 %), Chironomidae/Ceratopogonidae (10.94 %) and Tipulidae (4.28 %).

In Libya, Benda *et al.* (2014c: 19) examined faecal pellets and found one set to contain 84 % by volume larger moths, 9 % ants and 7 % beetles, whereas a second set contained only Lepidoptera with wingspans of ca. 40 mm.

POPULATION:
Structure and Density - *Rhinolophus ferrumequinum* is an infrequent species in most parts of its range, although in at least parts of southwest Asia and the Caucasus it is abundant and widespread (it is the most frequently reported

species in Turkey: A. Karatas *pers. comm.,* 2005), with populations in Iran and Turkey considered to be stable (A. Karatas, M. Sharifi and K. Tsytsulina *pers. comm.,* 2005), although it may be decreasing in Russian parts of the Caucasus (S. Kruskop *pers. comm.,* 2005). Summer colonies of c. 30 - 200 individuals (up to 400 animals), and winter clusters of up to 500 animals are typical.
In Europe, the two most widespread *Rhinolophus* species, *R. ferrumequinum* and *R. hipposideros*, are of particular conservation concern and are the subject of considerable research and monitoring. *R. ferrumequinum* has shown marked declines in range in northwest Europe within the last 100 years (e.g. United Kingdom, Germany, Austria), and has gone extinct in some countries (eg. Belgium, Netherlands). However, there are signs of stabilisation and/or recovery in some northwest European countries (Hutson *et al.*, 2001). For example, in the UK the species declined massively in the past, but it is now stable at a low population level (around 5,000 individuals) (Ransome and Hutson, 2000). However, in Austria declines continue, with population reductions of 70 % in the last 10 years (from 100 to 30 breeding individuals: Spitzenberger (2002); F. Spitzenberger *pers. comm.,* 2006). In other parts of Europe, trends vary and are generally less well known: in Malta the species has gone extinct, in Portugal and Spain the trend is not known (although some colonies have disappeared in Spain) (Palomo and Gisbert, 2002; Cabral *et al.*, 2005), in Croatia the population is thought to be stable (N. Tvrtkovic *pers. comm.*), and in Romania the population has been slowly increasing since 1989 due to reduced use of pesticides and a return to traditional agriculture with colonies of up to 800 individuals. In Switzerland the species is very rare (3 maternity roosts with some 200 individuals), but the population trend appears stable (H. Kraettli *pers. comm.*, 2006). In its north African and south Asian range the population size and trends are unknown (Aulagnier *et al.*, 2008a; IUCN, 2009).
Trend - 2008 - Decreasing (Aulagnier *et al.*, 2008a; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 30.5 years.

ACTIVITY AND BEHAVIOUR:
In the U.K., Flanders and Jones (2009: 891) reported a maximum nightly foraging range of between 2.17 and 2.44 km, and the foraging area averaged 148.1 ha. Fukui *et al.* (2011: 1551) [referring to Jones and Rayner (1989)] indicate that *R. ferrumequinum* is a "flycatcher" species, meaning that it hangs from tree branches while scanning for its prey.

Smotherman *et al.* (2016: 537) refer to Ma *et al.* (2006) in describing the song-like structure for this species as consisting of different syllable types in series.

REPRODUCTION AND ONTOGENY:
Tuttle and Stevenson (1982: 121) mention that males attain sexual maturity between 15 and 51 months, whereas this for females is between 15 and 39 months. Szekely *et al.* (2015: Suppl.) report 730 days (about 24 months) for both sexes. Gharaibeh (1997: 55) mentions lactating females and juveniles from the cave at Djebel Oust (Tunisia) on 29 July 1996. Benda *et al.* (2014c: 16) collected a pregnant female on 28 May at Nanatalah (Libya).
Kurta and Kunz (1987: 82) report that, at birth, the young weights about 29.3 % of the mother's body mass (5.8 versus 19.8 g), and that its forearm length is about 36.0 % of the mother's length (25.3 versus 70.3 mm).
The gestation period takes 80 days (with the young having a birth weight of 5.8 g - 25.4 % of the adult), and weaning occurs after 60 days (Szekely *et al.*, 2015: Suppl.).

MATING:
Fenton (1984) [in Keeley and Keeley (2004: 117)] reports the existence of copulatory plugs. For *R. ferrumequinum*, these plugs are formed from male secretions, and probably serve to prevent further insemination by other males, rather than preventing sperm leakage from the female's reproductive trace (in that case the plugs would probably be made by the females). However, Rossiter *et al.* (2000b) mention that these plugs can be ejected by the females, which would allow additional matings.

In Britain, Rossiter *et al.* (2000a: 545) found that mating was polygynous, but six females gave birth to young fathered by the same male in different years. This seems to indicate fidelity for either mating sites or individuals or from sperm competition. Females start visiting males for mating in autumn, so breeding partnerships are primarily determined by the female. Mating occurs in territory sites occupied by single males, which can be born both within and outside the female's own natal colony. Relatedness between parents, however, was no less than the average recorded for male/female pairs. Gene flow between colonies is likely to be primarily mediated by both female and male dispersal during the mating period rather than more permanent movements.

Liu *et al.* (2013a: 2179) describe the vocal communications during mating in China. They suggest these calls can serve as an indicator for the female bats to recognize the mating male in

order to maintain mate fidelity as greater horseshoe bats are sexually segregated before mating.

PARASITES:
Beaucournu and Kock (1996) mentioned *Rhinolophopsylla unipectinata arabs* Jordan and Rothschild, 1921 on bats from Algeria.

In Europe Genov *et al.* (1992) reported the presence of the following Nematodes: *Molinostrongylus skrjabini* Skarbilovitch, 1934 and *M. alatus* (Ortlepp, 1932).

Ševcík *et al.* (2012: 35) report on the presence of the bat flies *Phthiridium biarticulatum* Hermann, 1804, *Phthiridium biarticulatum* Hermann, 1804, and *Brachytarsina flavipennis* Macquart, 1851 on bats from Crete and Cyprus. *Phthiridium biarticulatum* was also reported on *R. ferrumequinum* from Jordan by Benda *et al.* (2010b: 226), and from Algeria by Bendjeddou *et al.* (2013: 325). The latter authors also found *Brachytarsina flavipennis* and *Penicillidia dufouri* (Westwood, 1825) (Diptera: Nycteribiidae). Bendjeddou *et al.* (2017: 15) added two additional Nycteribiidae: *Nycteribia (Listropoda) schmidlii schmidlii* Schiner, 1853 and *Phthiridium biarticulatum* Hermann, 1804 and one Siphonaptera: *Rhinolophopsylla unipectinata arabs* Jordan and Rothschild, 1921.

Nycteribia kolenati Theodor & Moscona, 1954 was reported by Haelewaters *et al.* (2017: 1) from *R. ferrumequinum* from Hungary.

Vermeil (1960) reported two bat flies from Tunisian *R. ferrumequinum*: *Nycteribia biarticulata* Hermann, 1804 and *Nycteribosca kollari* Frauenfeld, 1855.

VIRUSES:
In Italy, Balboni *et al.* (2010: 216) reported two *R. ferrumequinum* specimens, which tested positive for a fragment of RNA-dependent RNA polymerase (RdRp) gene of viruses related to *Coronavirus*. Phylogenetic analysis showed a close correlation between one of these and SARS-related CoV belonging to the genus *Betacoronavirus* (see also de Jong *et al.*, 2011: 10).

Adenoviridae
Mastadenovirus
Kohl and Kurth (2014: 3111) report this virus from Hungary.

Astroviridae
Luis *et al.* (2013: suppl.) report on the presence of an unassigned astrovirus.

Bunyaviridae
Hantavirus
de Jong *et al.* (2011: 9), Luis *et al.* (2013: suppl.) report Hantaan virus occurring on this species, as well as an unassigned Issyk-kul virus (Keterah virus).

Coronaviridae - Coronaviruses
Luis *et al.* (2013: suppl.) mentions the presence of Coronavirus BatCoV BB98-15 and SARS coronavirus.

Alphacoronavirus
Kohl and Kurth (2014: 3112) report this virus to be present in German bats.
Betacoronavirus
This virus was reported from bats from Germany and Bulgaria by Kohl and Kurth (2014: 3112).

Flaviviridae
Flavivirus
Japanese encephalitis virus was reported by Luis *et al.* (2013: suppl.).

Orthomyxoviridae
Despite sampling and testing of 2 individuals of this species, no evidence of influenza A-like viruses (*Orthomyxoviridae*) were obtained (Fereidouni *et al.*, 2015).

Papillomaviridae
Papillomavirus
This virus was reported from Spanish bats by Kohl and Kurth (2014: 3113).

Rhabdoviridae
Lyssavirus - Rabies related viruses
de Jong *et al.* (2011: 9) report the presence of European bat lyssavirus 2.
"Various European bat lyssaviruses" were reported by Kohl and Kurth (2014: 3114) from various European countries.

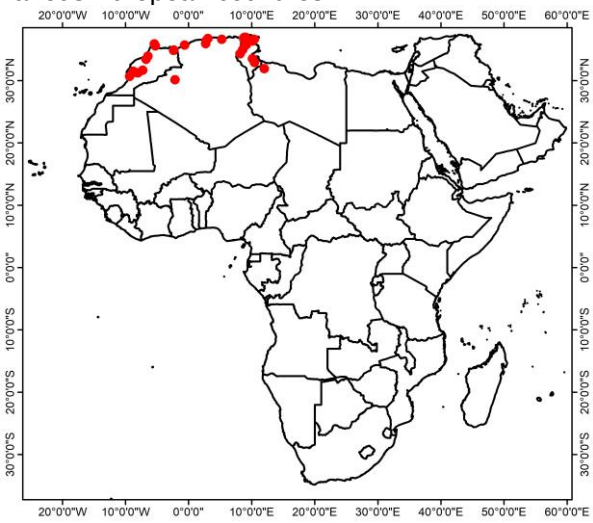

Figure 88. Distribution of *Rhinolophus ferrumequinum*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Algeria, Libya, Morocco, Tunisia.

Rhinolophus fumigatus Rüppell, 1842

*1842. *Rhinolophus fumigatus* Rüppell, Mus. Senckenberg., 3 (2): 132. Type locality: Ethiopia: Shoa province: Shoa province [ca. 09 00 N 39 00 E] [Goto Description]. Lectotype: SMF 4372: ad, mounted skin (skull not removed). Collected by: Wilhem Peter Edward Simon Rüppell; collection date: 1841. Presented/Donated by: Wilhem Peter Edward Simon Rüppell. See: 451). Mertens (1925: 20). Turni and Kock (2008) mention this specimen (old catalog SMF II.F.7.a) as Lectotype. Cotype: SMF II.F.7b:; collection date: 1841. Presented/Donated by: Wilhem Peter Edward Simon Rüppell. See Andersen (1904c: 451). - Etymology: From the passive Latin perfect participle *fumigàtus* meaning "smoked", referring to the fur colour of the species (see Lanza *et al.*, 2015: 96). (Current Combination)

1869. *Rhinolophus æthiops* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 637 (for 1868). Type locality: Namibia: Damaraland: Otjimbingue [22 15 S 16 10 E]. Syntype: ZMB 3295: ♂, skull and alcoholic. Collected by: Missionary Hahn. See Turni and Kock (2008). Syntype: ZMB 50073: ♀, alcoholic (skull not removed). Collected by: Missionary Hahn. Formerly second specimen with number ZMB 3295; see Turni and Kock (2008: 30). - Comments: Turni and Kock (2008: 30) referring to Csorba *et al.* (2003: 50) mention that ZMB 3295 might possibly represent a species distinct from *fumigatus*.

1877. *Rhinolophus macrocephalus* Heuglin, Reise in Nordost Afrika, 2: 22. Publication date: 1877. Type locality: Ethiopia: Tigre province: As(s)am river: Adowa [14 10 N 38 54 E, 1 900 m]. Syntype: SMNS 1059: imm ♀, alcoholic (skull not removed). Collected by: Martin Theodor von Heuglin; collection date: 1862. See Andersen (1904c: 451), Dieterlen *et al.* (2013: 294). Syntype: SMNS 1059a: imm ♀. Collected by: Martin Theodor von Heuglin. Syntype: SMNS 1059b: ad ♂, alcoholic (skull not removed). Collected by: Martin Theodor von Heuglin; collection date: 1862. See Andersen (1904c: 451), Dieterlen *et al.* (2013 294).

1885. *Rhinolophus antinorii* Dobson, Ann. Mus. civ. Stor. nat. Genova, (2) 2: 16. Publication date: 22 May 1885. Type locality: Ethiopia: Shoa province: Daimbi.

1905. *Rhinolophus fumigatus exsul* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 15 (85): 74. Publication date: 1 January 1905. Type locality: Kenya: Kitui [01 22 S 38 01 E, 3 500 ft] [Goto Description]. Holotype: BMNH 1901.5.6.3: ad, skin only. Collected by: Mrs. Hildegarde Hinde; collection date: 3 January 1901; original number: 68. See Andersen (1905a: 74). - Comments: Considered a valid subspecies by Ansell and Dowsett (1988: 32).

1913. *Rhinolophus foxi* Thomas, Ann. Mag. nat. Hist., ser. 8, 11 (63): 314. Publication date: 1 March 1913. Type locality: Nigeria: Northern Nigeria, Bauchi plateau: Kabwir [09 24 N 09 34 E, 2 500 ft] [Goto Description]. Holotype: BMNH 1913.2.5.1: ad ♂. Collected by: Mr. J.C. Fox and The Cambridge University Mission; collection date: 14 November 1912; original number: 45. Presented/Donated by: Mr. J.C. Fox.

1914. *acrotis* G.M. Allen, Bull. Mus. comp. Zool., 58 (7): ???. - Comments: Preoccupied by *acrotis* Heuglin, 1861.

1917. *Rhinolophus abæ* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 428. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Aba [03 53 N 30 17 E] [Goto Description]. Holotype: AMNH 49113: ad ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 15 December 1911; original number: 1756.

1939. *Rhinolophus aethiops diversus* Sanborn, Field Mus. Nat. Hist., Zool. Ser., 24 (5): 42. Publication date: 19 September 1939. Type locality: Senegal: Bakel [14 54 N 12 26 W] [Goto Description]. Holotype: BMNH 1919.7.7.2774: ad ♀, alcoholic (skull not removed). Collection date: 27 September 1887. Formerly in the Lataste collection (see: 42). - Comments: Considered a valid subspecies by Grubb *et al.* (1998: 77), but they also remark that it might be a subspecies of *aethiops*.

? *Rhinolophus abae:* (Alternate Spelling)

? *Rhinolophus aethiops:* (Alternate Spelling)

? *Rhinolophus fumigatus abae:* (Name Combination)

? *Rhinolophus fumigatus aethiops:* (Name Combination)

? *Rhinolophus fumigatus foxi:* (Name Combination)

? *Rhinolophus fumigatus fumigatus:* (Name Combination)

TAXONOMY:
Does not include *eloquens* or *perauritus*, but does include *aethiops*; see Koopman (1975: 389 - 390). *fumigatus* species group (Csorba *et al.*, 2003: 48 - 51; Simmons, 2005: 356). See Csorba *et al.* (2003: 49 - 50) for remarks on taxonomy, e.g. that *fumigatus* and *aethiops* are probably different species.

Jacobs *et al.* (2016g: 94) refer to Dool *et al.* (2016b), who found that *R. fumigatus* from the western part of Southern Africa seems to be a distinct but sister lineage to *R. fumigatus* from the eastern half of Africa.

COMMON NAMES:
Afrikaans: Rüppell se saalneusvlermuis, Rüppell-saalneusvlermuis. Czech: vrápenec kouřový. English: Rüppell's Horseshoe Bat, Smoky Horseshoe Bat, Abyssinian Horseshoe Bat. French: Rhinolophe de Rüppell. German: Rüppells Hufeisennase, Rüppells Hufeisennase, Shoa Kamnase. Italian: Rinòlofo affumicàto, Fèrro di cavàllo affumicàto. Portuguese: Morcego ferradura da Damarlandia.

ETYMOLOGY OF COMMON NAME:
The colloquial name refers to the describer of the species (see Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008al; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008al; IUCN, 2009). 2004 - LC ver 3.1 (2001) (IUCN, 2004; Jacobs *et al.*, 2004aj). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Jacobs *et al.*, 2016k). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to *Rhinolophus fumigatus* as a whole (Jacobs *et al.*, 2008al; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008al) [in IUCN (2009)] reported that in view of the species wide range in East and southern Africa, it seems probable that it is present in several protected areas. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Rhinolophus fumigatus is widely, but patchily, recorded over much of sub-Saharan Africa. It ranges from Senegal and The Gambia in the east, through West and Central Africa to Ethiopia and Eritrea in the east, and from here through East and southern Africa as far south as Namibia and north-eastern South Africa.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,246,343 km^2.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 558); Benin (Capo-Chichi *et al.*, 2004: 162); Botswana (Cotterill, 2004a: 261); Burkina Faso (Kangoyé *et al.*, 2015a: 610); Burundi; Cameroon; Central African Republic; Chad; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 558); Côte d'Ivoire; Eritrea; Ethiopia; Gabon; Gambia; Ghana; Guinea; Kenya; Liberia; Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 558); Mali (Meinig, 2000: 105); Mauritania; Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 558; Monadjem *et al.*, 2010c: 378); Namibia (Monadjem *et al.*, 2010d: 559); Niger; Nigeria; Rwanda; Senegal; Sierra Leone; Somalia; South Africa (Monadjem *et al.*, 2010d: 559); Sudan; Tanzania (Stanley and Goodman, 2011: 42); Togo; Uganda; Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 559); Zimbabwe (Monadjem *et al.*, 2010d: 559).

SEXUAL DIMORPHISM:
Kangoyé *et al.* (2015a: 610) found no differences in body measurement of males and females from Burkina Faso, but the cranial measurements of the males were on average larger than those of the females.

ECHOLOCATION:
Jacobs *et al.* (2007a) reported a peak frequency of 53.8 (± 0.2) kHz for individuals South Africa. Monadjem *et al.* (2010c: 378) reported from Mozambique the peak echolocation frequencies of a single male was 54 kHz (ANABAT).

1 call of tye FM/CF/FM was recorded by Manga Mongombe (2012: 79) from Maroua (Cameroon) with the following parameters: F_{max}: 62.6 kHz, F_{min}: 61.6 kHz, F_{mean}: 61.9 kHz, F_{knee}: 61.7 kHZ, F_{char}:

61.6 kHz, and duration: 0.57 msec.

Kangoyé *et al.* (2015a: 610) reported that five males from Burkina Faso called at 54.2 ± 0.4 (53.4-54.4) kHz.

For two calls from the Aberdares Range in Kenya, Eisenring *et al.* (2016: SI 2) gave the following values: PF: 57.9 ± 1.1 (57.2 - 58.7), HF: 106.7 ± 4.3 (103.7 - 109.8), LF: 54.3 ± 0.3 (54.0 - 54.5), DT: 0.0 ± 0.0 (0.0 - 0.1), DF: 52.5 ± 4.7 (49.2 - 55.8), IPI: 0.7 ± 0.1 (0.6 - 0.8).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach (1986) reported 2*n* = 58, FN = 60, BA = 4, a subtelocentric X chromosome, and a metacentric Y. Koubínová *et al.* (2010b: 394) reported for Senegal similar results to Rautenbach (1986), but there were only two pairs of small meta- and submetacentric autosomes, and the remaining 26 pairs were acrocentric, a medium sized acrocentric (no. 15) had an achromatic gap near the centromere, while the X was a medium sized subtelocentric, and the Y was dot-like. Koubínová (2013: 7) reported the karyotype as: 2*n* = 58, FNa = 60, FN = 64.
Protein / allozyme: Unknown.

ROOST:
Lelant and Chenaval (2011d: 13) report on a colony of over 1,000 animals inhabiting a very old Baobab tree (*Adansonia digitata*) in Fadgal, Senegal.

POPULATION:
Structure and Density - It is a locally common species that can be encountered as large colonies. Colonies in southern Africa tend to be smaller (Jacobs *et al.*, 2008al; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008al; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
A pregnant female was collected in August 1992 in the East Usambara Mountains (Tanzania) (Stanley and Goodman, 2011: 42).

PARASITES:
HAEMOSPORIDA
Lutz *et al.* (2016: 9) examined 5 *R. fumigatus* specimens from East Africa and found two of them infected with *Nycteria* sp.

Fain (1959a: 340) mentions that one of the paratypes of *Nycteridocoptes eyndhoveni* Fain, 1959 (Acari: Sarcoptidae) was collected from a "*R. aethiops*" specimen Kambisa, Angola.

HEMIPTERA:
Polyctenidae: *Androctenes horvathi* Jordan, 1912 recorded from Transvaal, South Africa (Haeselbarth *et al.*, 1966: 17, host referred to as *R. eloquens*).

DIPTERA:
Streblidae: *Ascodipteron brevior* Maa, 1965, female cysts found at the base of the ears in Congo, Namibia and South Africa (Haeselbarth *et al.*, 1966: 106). *Brachytarsina africana* (Walker, 1849) has a wide distribution in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100, host refered to as *R. eloquens*). *Raymondia intermedia* Jobling, 1936 (Shapiro *et al.*, 2016: 255).
Nycteribiidae: *Nycteribia scissa sudanica* Theodor, 1957 from Ethiopia, the Sudan and the Congo (Haeselbarth *et al.*, 1966: 108). *Penicillidia fulvida* (Bigot ,1885) (Haeselbarth *et al.*, 1966: 114, host referred to as *R. foxi*).

SIPHONAPTERA:
Ischnopsyllidae: *Rhinolophopsylla ectopa* (Jordan, 1937) was reported on "*R. aethiops*" from Kenya by Beaucournu and Kock (1996).

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Rhinolophus fumigatus*: Coronaviruses and Paramyxoviruses.

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera in 204 individuals from Oriental Province, DRC, one tested positive (1/204, 0.5 %).

UTILISATION:
Lelant and Chenaval (2012: 15) report on the use of *R. fumigatus* specimens in traditional medicine in Senegal.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Malawi, Mauritania, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

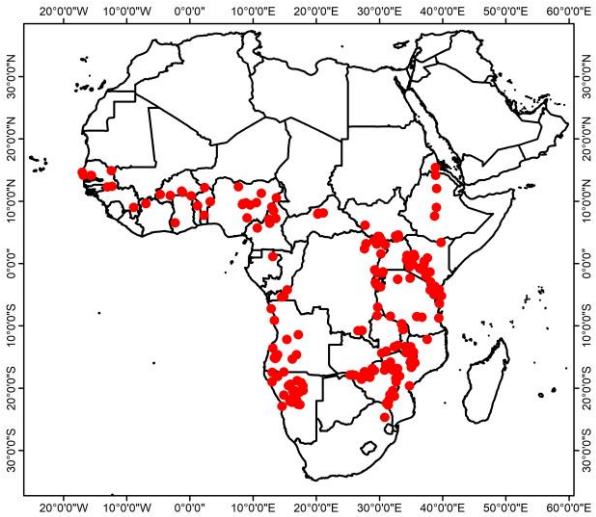

Figure 89. Distribution of *Rhinolophus fumigatus*

Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018

*2018. *Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, Zool. J. Linn. Soc., xxx: xxx: 1, 14, figs 6, 8, 9, 10, 12. Publication date: 24 April 2018. Type locality: Mozambique: Sofala province: Gorongosa National Park: Bunga Inselberg [18 35 56 S 34 20 35 E, 212 m] [Goto Description]. Holotype: DNSM 14820: ad ♂, skull and alcoholic. Collected by: Jennifer Anna Guyton; collection date: 25 April 2015; original number: JAG 196. Paratype: DNSM 14815: ♀. Collected by: Jennifer Anna Guyton; collection date: 24-25 April 2015; original number: JAG 188. Paratype: DNSM 14816: Collected by: Jennifer Anna Guyton; collection date: 24-25 April 2015. Paratype: DNSM 14817: Collected by: Jennifer Anna Guyton; collection date: 24-25 April 2015. Paratype: DNSM 14818: Collected by: Jennifer Anna Guyton; collection date: 24-25 April 2015. Paratype: DNSM 14819: Collected by: Jennifer Anna Guyton; collection date: 24-25 April 2015. Paratype: DNSM 14828: Collected by: Jennifer Anna Guyton; collection date: 2 May 2015. Paratype: DNSM 14843: ♀. Collected by: Jennifer Anna Guyton; collection date: 5 November 2015; original number: JAG 228. Paratype: DNSM 14865: Collected by: Jennifer Anna Guyton; collection date: 22 July 2015. - Etymology: The name refers to the Gorongosa district (Mozambique) and the Gorongose National Park, where the type specimen was collected (Taylor *et al.* (2018: 14).

COMMON NAMES:
English: Least horseshoe bat.

GENERAL DISTRIBUTION:
This species has only been found in the Gorongosa National Park (Mozambique). Taylor *et al.* (2018: 17) tentatively assigned a specimen from Mount Inago (Mozambique) to this species, but this specimen needs to be examined further.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Taylor *et al.* (2018: 14) indicate that *R. gorongosae* is the smallest rhinolophid in the Ethiopian region, even smaller than *R. denti*.

ECHOLOCATION:
Taylor *et al.* (2018: 17) report a peak echolocation CF of 106 (104 - 108) kHz.

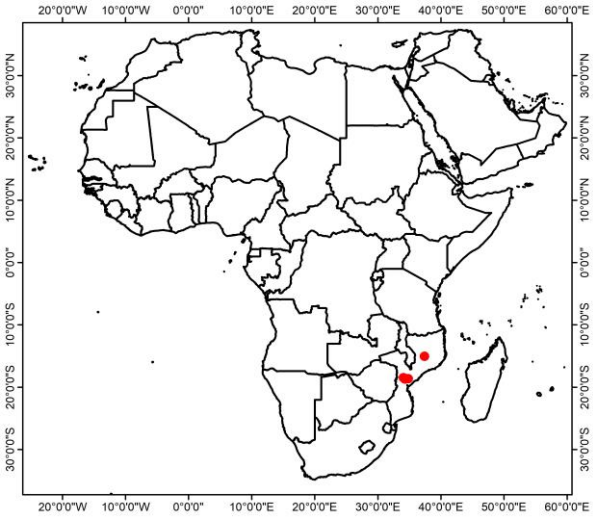

Figure 90. Distribution of *Rhinolophus gorongosae*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Mozambique.

Rhinolophus guineensis Eisentraut, 1960

*1960. *Rhinolophus landeri guineensis* Eisentraut, Stuttg. Beitr. Naturk., 39: 1, fig. 1. Publication date: 1 June 1960. Type locality: Guinea: foot of Kelesi Plateau: Tahiré [ca. 10 05 N 12 30 W, 500 m] [Goto Description]. Holotype: SMNS 6103: ad ♂, skin and skull. Collected by: Hans Knorr; collection date: 5 October 1956. Paratype: SMNS 6104: ad, skin and skull. Collected by: Hans Knorr; collection date: 19 November 1956. Dieterlen *et al.* (2013: 294) mention Salung Plateau near Nyembaro, 10 km W of Kolenté, Guinea as locality. Paratype: SMNS 6105: ad, skin and skull. Collected by: Hans Knorr; collection date: 19 November 1956. Dieterlen *et al.* (2013: 294) mention Salung Plateau near Nyembaro, 10 km W of Kolenté, Guinea as locality. Paratype: SMNS 6106: ad, skin and skull. Collected by: Hans Knorr; collection date: 19 November 1956. Dieterlen *et al.* (2013: 294) mention Salung Plateau near Nyembaro, 10 km W of Kolenté, Guinea as locality. Paratype: SMNS 6107: ad, skin and skull. Collected by: Hans Knorr; collection date: 19 November 1956. Dieterlen *et al.* (2013: 294) mention Salung Plateau near Nyembaro, 10 km W of Kolenté, Guinea as locality. Paratype: SMNS 6108: ad, skin and skull. Collected by: Hans Knorr; collection date: 19 November 1956. Dieterlen *et al.* (2013: 294) mention Salung Plateau near Nyembaro, 10 km W of Kolenté, Guinea as locality. Paratype: SMNS 6109: ad, alcoholic (skull not removed). Collected by: Hans Knorr; collection date: 19 November 1956. Dieterlen *et al.* (2013: 294) mention Salung Plateau near Nyembaro, 10 km W of Kolenté, Guinea as locality. Paratype: SMNS 6113: ad, skin and skull. Collected by: Hans Knorr; collection date: 19 November 1956. Dieterlen *et al.* (2013: 294) mention Salung Plateau near Nyembaro, 10 km W of Kolenté, Guinea as locality. Paratype: ZFMK 1959.0177: ♂, skin and skull. Collected by: Hans Knorr; collection date: 23 November 1956; original number: 137. See Hutterer (1984: 30), Hutterer and Peters (2010: 11). - Etymology: Refers to country from which the type specimen was collected.

? *Rhinolophus guineensis:* (Name Combination, Current Combination)

TAXONOMY:
Meester *et al.* (1986) state that Rosevear (1965) and Kock (1969a) regard *guineensis* Eisentraut, 1960, from Guinea, as subspecifically distinct from *landeri*. Hayman and Hill (1971), on the other hand, consider it a synonym, while Böhme and Hutterer (1979), Csorba *et al.* (2003: 59 - 61) and Simmons (2005: 356) regard it as a distinct species, sympatric with *landeri* and somewhat larger.

COMMON NAMES:
Czech: vrápenec guinejský. English: Guinean Horseshoe Bat (Csorba *et al.*, 2003: 59 - 61; Simmons, 2005), Senegal Horseshoe Bat. French: Rhinolophe de Guinée, Rhinolophe du Sénégal. German: Guinea-Hufeisennase.

SIMILAR SPECIES:
See Csorba *et al.* (2003).

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU B2ab(ii,iii) ver 3.1 (2001)) because its area of occupancy is probably less than 2,000 km^2 (roosting caves), its distribution is severely fragmented, and there is continuing decline in the extent and quality of its forest and cave habitats (Fahr, 2008j; IUCN, 2009).

Assessment History -
2008 - VU B2ab(ii,iii) ver 3.1 (2001) (Fahr, 2008j; IUCN, 2009). 2004 - VU B2ab(iii) ver 3.1 (2001) (Fahr, 2004g; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
Major threats to *Rhinolophus guineensis* include deforestation resulting from logging operations, the conversion of land to agricultural use, and mining activities. There is also a limited threat of overhunting for the bushmeat trade (Fahr, 2008j; IUCN, 2009).

Sagot and Chaverri (2015: 1670) mention roost loss or disturbance, habitat degradation or loss, and hunting as major threats for this species.

CONSERVATION ACTIONS:
Fahr (2008j) [in IUCN (2009)] reported *Rhinolophus guineensis* has been recorded from the Mount Nimba World Heritage Site and the "Massif du Ziama" Biosphere Reserve, both in Guinea. It has also been recorded from a few state forests ("Forets Classees") in Guinea. There is a need to conserve remaining areas of suitable habitat for this species. Further studies are needed to better determine the species range.

GENERAL DISTRIBUTION:
Rhinolophus guineensis is a West African bat that has been patchily recorded from southern Senegal, Guinea, Sierra Leone, Liberia and Côte d'Ivoire. It is a highland species recorded at elevations of 1,400 m asl and over. It may be present in Gambia in remnant patches of forest (Grubb *et al.*, 1998).

Native: Côte d'Ivoire; Guinea (Denys *et al.*, 2013: 281; Decher *et al.*, 2016: 264); Liberia (Simmons, 2005); Senegal; Sierra Leone (Csorba *et al.*, 2003).
Presence uncertain: Gambia (Grubb *et al.*, 1998).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Csorba *et al.* (2003).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Csorba *et al.* (2003).
DETAILED MORPHOLOGY:
Baculum - Unknown
For a description of the crania, teeth, and noseleaves see Csorba *et al.* (2003).

ECHOLOCATION:
In Guinea, Fahr and Ebigbo (2003) reported the frequency of the CF-component at 85.3 - 85.4 kHz.

HABITAT:
Monadjem *et al.* (2016y: 366) recorded this species from higher altitudes (above 900 m) in the Mount Nimba area.

See also Csorba *et al.* (2003).

HABITS:
See Csorba *et al.* (2003).

ROOST:
Weber and Fahr (2006: 4) indicate that *R. guineensis* largely or exclusively depends on the availability of caves as day roosts in Guinea.

POPULATION:
Structure and Density - *Rhinolophus guineensis* is possibly a rare species overall, although little information is available on the population abundance of this bat (Fahr, 2008j; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, 2008j; IUCN, 2009).

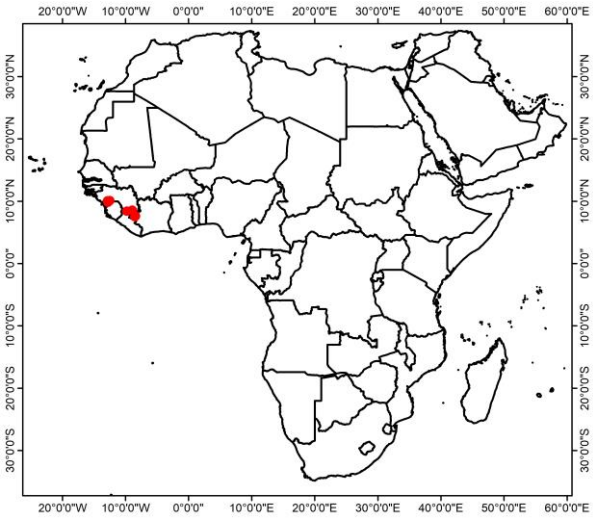

Figure 91. Distribution of *Rhinolophus guineensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Guinea, Liberia, Nigeria.

Rhinolophus hildebrandtii Peters, 1878

*1878. *Rhinolophus Hildebrandtii* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 195, pl. 1, fig. 1, 1a. Type locality: Kenya: Taita district: Ndi [03 14 S 38 30 E, 2 000 m] [Goto Description]. Syntype: BMNH 1879.1.21.1: ad. Turni and Kock (2008: 33). Reject the holotype status for this specimen and consider this also as a possible syntype. Syntype: ZMB 5267: ad ♀, skull and alcoholic. Collected by: Dr. Johann Maria Hildebrandt; collection date: July 1877. See Turni and Kock (2008: 33). Syntype: ZMB 5378: ♂, skin and skull. Collected by: Dr. Johann Maria Hildebrandt; collection date: July 1877. See Turni and Kock (2008: 33). Syntype: ZMB 5379: ♂, skin and skull. Collected by: Dr. Johann Maria Hildebrandt; collection date: July 1877. See Turni and Kock (2008: 33). - Comments: Turni and Kock (2008: 33) reject the holotype status for the BMNH specimen and consider this also as a syntype. - Etymology: In honour of Johannes Maria Hildebrandt (1847 - 1881), a German naturalist, explorer and linguist, who collected a large number of plants and animals in eastern Africa, Madagascar, Comoro islands and Arabia (see Pearl, 1994: 3; Taylor, 2005, Lanza *et al.*, 2015: 101). (Current Combination)
1991. *Rhinolophus hildebrantii:* Avery, Durban Mus. Novit., 16: 1. (Lapsus)
? *Rhinolophus hildebrandti hildebrandti:* (Name Combination, Alternate Spelling)
? *Rhinolophus hildebrandti:* (Name Combination)
? *Rhinolophus hildebrandtii:* (Current Spelling)

TAXONOMY:
See Pearl (1994). Within the *fumigatus* species group (Csorba *et al.*, 2003: 51 - 53; Simmons, 2005: 356). See Csorba *et al.*, 2003: 52) for a review of the taxonomy.
Taylor *et al.* (2010: 297) indicate that cryptic species might be present in the southern African *H. hildebrandtii* complex.

COMMON NAMES:
Afrikaans: Hildebrandt se saalneusvlermuis, Hildebrandt-saalneusvlermuis, Hildebrandtse Vlermuis. Czech: vrápenec Hildebrandtův. English: Hildebrandt's Horseshoe Bat. French: Rhinolophe d'Hildebrandt, Fer à cheval d'Hildebrant, Fer à cheval du Kenya. German: Hildebrandts Hufeisennase. Italian: Rinòlofo di Hildebrandt; Fèrro di cavàllo di Hildebrandt. Kiluba (DRC): Kasusu. Portuguese: Morcego ferradura de Hildebrandt. Yao: Lichinji (applied to all largish bats).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
R. hildebrandtii was found in the earlier half of the upper Pleistocene sequence at Border Cave, KwaZulu-Natal, South Africa (Avery, 1991: 6; Taylor, 1998: 35).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs, 2008h; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) assessed as *Rhinolophus hildebrandti* (Jacobs, 2008h; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs, 2004i; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
Jacobs (2008h) [in IUCN (2009)] reported there appear to be no major threats to *Rhinolophus hildebrantii* as a whole.

CONSERVATION ACTIONS:
Jacobs (2008h) [in IUCN (2009)] reported there appear to be no direct conservation measures in place. In view of the species wide East African and southern African range, it seems probable that the species is present in some protected areas.

GENERAL DISTRIBUTION:
Rhinolophus hildebrantii is largely endemic to East Africa, except for Central African records from Rwanda and southern Democratic Republic of the Congo, and a single questionable West African record from Nigeria. In East Africa it ranges from Ethiopia and northern Sudan in the north, through Uganda, Kenya and Tanzania (including the island of Pemba [see O'Brien, 2011: 286]), into southern Africa of Zambia, Malawi, Mozambique, Zimbabwe and Botswana, being found as far south as northern South Africa. Taylor (1998: 35) mentioned Pleistocene deposits of this species reported by Avery (1991) from Border Cave, northern Maputaland, KwaZulu-Natal, South Africa. In South Africa, its distribution is mostly affected by precipitation seasonality (Babiker Salata, 2012: 49).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 946,716 km^2.

Native: Botswana (Monadjem *et al.*, 2010d: 559); Burundi; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Ansell, 1974; Monadjem *et al.*, 2010d: 559); Ethiopia (Kruskop *et al.*, 2014: 102 report the first record North of the Rift Valley); Kenya; Malawi (Ansell, 1974; Happold *et al.*, 1988; Happold and Happold, 1997b: 818; Monadjem *et al.*, 2010d: 559); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 559; Monadjem *et al.*, 2010c: 379); Rwanda; Somalia; South Africa (Monadjem *et al.*, 2010d: 559); Sudan; Tanzania (Stanley and Goodman, 2011: 42), United Republic of; Uganda (Kityo and Kerbis, 1996: 61); Zambia (Ansell, 1969; Monadjem *et al.*, 2010d: 559); Zimbabwe (Monadjem *et al.*, 2010d: 559).
Presence uncertain: Namibia (Cotterill, 2004a: 261); Nigeria.

ECHOLOCATION:
Taylor *et al.* (2005), using a Pettersson D980, reported three, slightly different maximum frequencies (42.3 (± 0.2) kHz, 43.2 (± 0.1) kHz, 42.4 (0) kHz) from three different localities in Kenya for individuals of *R.* cf. *hildebrandtii*. Jacobs (1996) reported a maximum frequency of 37 - 46 kHz for individuals at Sengwa in Zimbabwe. Aldridge and Rautenbach (1987) reported a maximum frequency of c. 40 kHz for individuals from Pafuri in South Africa. Jacobs *et al.* (2007a) reported a peak frequency of 33.0 ± 0.9 kHz for individuals in South Africa (detector type and localities not reported). From Mozambique Monadjem *et al.* (2010c: 379) reported that the peak echolocation frequencies ranged between 35 - 40 kHz (ANABAT, Petterson D240x). At Uzungwa Scarp Forest Reserve, Tanzania, Trentin and Rovero (2011: 56) describe the calls as starting at 28.5 kHz, increasing in .5 msecs to 39.8 kHz, and after 5 msecs decreasing to 26.7

kHz. The maximum intensity is at 35.5 kHz.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Both Peterson and Nagorsen (1975) and Rautenbach (1986) reported 2*n* = 58, FN = 60, BA = 4, and subtelocentric X and Y chromosomes.
Protein / allozyme - Unknown.

PREDATORS:
Schätti (1984: 337) refers to Broadley (in lit.) who mentions a *R. hildebrandtii* specimen having been swallowed by an African housesnake (*Lamprophis fuliginosus* (Boie, 1827)).

POPULATION:
Structure and Density - This species is quite common in Zambia (Jacobs, 2008h; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs, 2008h; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
A male with abdominal testes was collected in the West Usambara Mountains (Tanzania) on 15 July 1991 (Stanley and Goodman, 2011: 42). Trentin and Rovero (2011: 50) reported two lactating females, and six females with single youngs, netted in December 2005 at Uzungwa Scarp Forest Reserve, Tanzania.

PARASITES:
HAEMOSPORIDA
Schaer *et al.* (2015: 381) found *Nycteria* sp. parasites in *R. hildebrandtii* from Kenya. Lutz *et al.* (2016: 9) found eight out of 14 specimens from East Africa to be infected by *Nycteria* sp. Perkins and Schaer (2016: Suppl.) report on the presence of *Nycteria congolensis* (Garnham, 1966) on bats from the DRC and East Africa as well as of *Nycteria* sp. from Kenya and Malawi or Mozambique.

DIPTERA
Streblidae: *Ascodipteron brevior* Maa 1965, female cysts found at the base of the ears in Congo (Haeselbarth *et al.*, 1966: 106). *Brachytarsina africana* (Walker, 1849) has a wide distribution in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100). *Raymondia intermedia* Jobling, 1936 in the Congo (Haeselbarth *et al.*, 1966: 102). *Raymondia waterstoni* Jobling, 1931 (Haeselbarth *et al.*, 1966: 104), these records may possibly also be associated with *R. smithersii* (see Shapiro *et al.*, 2016: 256). *Raymondia intermedia* Jobling, 1936 (Shapiro *et al.*, 2016: 255).
Theodor (1968) recorded *Raymondia setiloba* (Jobling, 1954) from "*R. hildebrandtii*" in the DRC, but Shapiro *et al.* (2016: 256) indicate that the identify of the host is uncertain, and therefore report it as *Rhinolophus* sp.

Nycteribiidae: *Nycteribia scissa* Speiser; *Nycteribia rotundata* Theodor; *Penicillidia fulvida* (Bigot, 1885) (Haeselbarth *et al.*, 1966: 114).

ACARI
Sarcoptidae: Fain (1959a: 341) reports on *Nycteridocoptes eyndhoveni* Fain, 1959 collected on a bat of this species captured in Lubudi, DRC.

VIRUSES:
Coronaviridae
31.3 % (5 out of 16) of the Kenyan bats tested by Tao *et al.* (2017: 3) were positive for CoV.

Rhabdoviridae
Vesiculovirus
Metselaar *et al.* (1969: 183) extracted a new virus (the "Mount Elgon Bat Virus") from the salivary glands of *R. hildebrandtii eloquens*, collected at the Kiminimi caves on the slopes of Mount Elgon, Kenya. Willoughby *et al.* (2017: Suppl.) mentions this virus as "Mount Elgon bat ledantevirus".

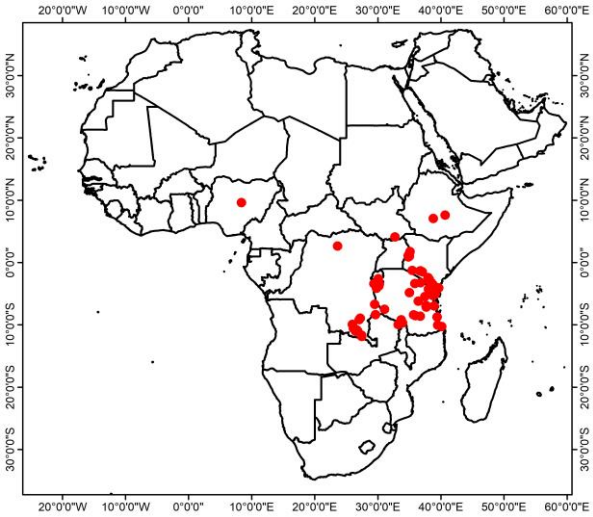

Figure 92. Distribution of *Rhinolophus hildebrandtii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Burundi, Congo (Democratic Republic of the), Ethiopia, Kenya, Nigeria, South Sudan, Sudan, Tanzania.

Rhinolophus hilli Aellen, 1973

*1973. *Rhinolophus hilli* Aellen, Period. biol., 75 (1): 101. Type locality: Rwanda: Cyangugu province: Uwinka [02 29 S 29 12 E, 2 300 m] [Goto Description]. Holotype: ZMZ 126639: ad ♀, skull and alcoholic. Collected by: U. Goepel; collection date: 25 August 1964. (Current Combination)

TAXONOMY:
Previously recognized as a synonym of *R. ruwenzorii* J. Eric Hill, 1942 but recognized as a separate species by Fahr *et al.* (2002: 108) and Simmons (2005).

COMMON NAMES:
Czech: vrápenec Hillův. English: Hill's Horseshoe Bat. French: Rhinolophe de Hill. German: Hills Hufeisennase.

CONSERVATION STATUS:
Global - Listed as Critically Endangered (CR B1ab(iii,v)+2ab(iii,v) ver 3.1 (2001)) because its extent of occurrence appears to be less than 100 km² and its area of occupancy (presumably cave roosting sites) is probably less than 10 km² (field surveys in the Albertine rift have not found the species elsewhere), all individuals are in a single location (Nyungwe National Park), there is continuing decline in the extent and quality of its habitat, and there is believed to be an ongoing population decline related to over-harvesting for food (Fahr, 2008k; IUCN, 2009).

Assessment History -
2008 - CR B1ab(iii,v)+2ab(iii,v) ver 3.1 (2001) (Fahr, 2008k; IUCN, 2009). 2004 - CR (Fahr, 2004f; IUCN, 2004).

MAJOR THREATS:
Fahr *et al.* (2002) indicate that while there is little information available on this seemingly limited range species, it is probably threatened by habitat destruction (presumably by logging operations and the conversion of land to agricultural use) and direct exploitation (for subsistence food) in their day roosts (see Fahr, 2008k) [in IUCN (2009)]).

CONSERVATION ACTIONS:
Fahr (2008k) [in IUCN (2009)] reported that although *Rhinolophus hilli* is present within the Nyungwe National Park, it seems additional measures are needed to conserve the habitat of this species. There is a need for bat awareness programmes for local people to prevent over-harvesting of the species. Further field surveys are also needed to locate important roosts and to learn more about the natural history of this poorly known species.

GENERAL DISTRIBUTION:
Rhinolophus hilli is known only within the Nyunwe National Park, Rwanda. It has been identified from only two close localities (approximately 8 km apart). Field surveys in surrounding areas of potentially suitable habitat have not found additional populations. It has an elevational range of between 1,750 and 2,512 m asl (Fahr *et al.*, 2002).

Native: Rwanda.

POPULATION:
Structure and Density - There is little information available on the abundance of *Rhinolophus hilli*; colonies of this species have yet to be found but are likely to be small (Fahr *et al.*, 2002).
Trend - 2008 - Decreasing (Fahr, 2008k; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Rwanda.

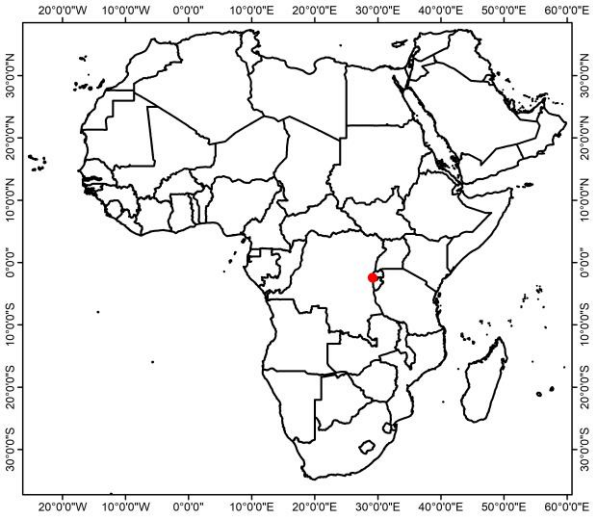

Figure 93. Distribution of *Rhinolophus hilli*

Rhinolophus hillorum Koopman, 1989

*1989. *Rhinolophus clivosus hillorum* Koopman, Am. Mus. Novit., 2946: 4. Publication date: 28 June 1989. Type locality: Liberia: Lofa county: ca 2 mi SW Voinjama, near Zozoma: John Hegbe farm: (the type lable mentions John's Town) [08 25 N 09 35 W, 500 m] [Goto Description]. Holotype: AMNH 257044: ad ♀, skull and alcoholic. Collected by: Andrew S. Voros; collection date: early October; original number: 5924. Type lable mentions 3 September 1983. - Etymology: In honour of the two (often confused) eminent mammalogists named John E. Hill: J. Eric (1907-1947), and J. Edwards (1928-1997) (see Koopman, 1989b: 5).

? *Rhinolophus hillorum:* (Name Combination, Current Combination)

TAXONOMY:
Considered a synonym of *clivosus* by Koopman (1993a: 164), but see Simmons (2005: 356). See Csorba *et al.* (2003: 131) for remarks on taxonomy.

COMMON NAMES:
Czech: vrápenec západoafrický. English: Upland Horseshoe bat, Hill's Horseshoe bat. French: Rhinolophe de Lofa. German: Hochland-Hufeisennase.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU A2c ver 3.1 (2001)) because it is suspected that a population decline, estimated to be more than 30 % would be met over the next 10 years, inferred from the loss of montane habitat, especially in northern Liberia and southern Guinea (Jacobs *et al.*, 2008ad; IUCN, 2009).

Assessment History -
2008 - VU A2c ver 3.1 (2001) (Jacobs *et al.*, 2008ad; IUCN, 2009). 2004 - VU A4c; B2ab(iii) ver 3.1 (2001) (Jacobs *et al.*, 2004s; IUCN, 2004).

MAJOR THREATS:
Colonies are threatened by general deforestation, often resulting from logging and mining operations, and overharvesting for the bushmeat trade (Jacobs *et al.*, 2008ad; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008ad) [in IUCN (2009)] reported there appear to be no direct conservation measures in place for *Rhinolophus hillorum*. It is not known if the species is present in any protected areas, but it has been recorded from the Sapoba Forest Reserve in Nigeria and the Bali Forest Reserve in Cameroon (Cotterill, 2002a). There is a need to identify and protect important areas for this species. Further research is needed into the species distribution, including the location of any additional colonies.

GENERAL DISTRIBUTION:
Rhinolphus hillorum is largely endemic to West and Central Africa, with a single questionable record from northern Uganda. It has been recorded from a few small, disjunct, colonies in Liberia (including Voinjama; Tokadeh; and the Wonegizi Mountains), Guinea, Nigeria (Sapoba Forest Reserve) and Cameroon (including Lake Manenguba and the Bali Forest Reserve).
Native: Cameroon; Guinea (Fahr *et al.*, 2006a: 72); Liberia; Nigeria.
Presence uncertain: Uganda.

HABITAT:
Monadjem *et al.* (2016y: 366) recorded five specimens from forested habitats on the Liberian side of Mount Nimba, on altitudes ranging from 780 to 1,200 m.

ROOST:
Monadjem *et al.* (2016y: 366) found a roost in an old mine adit at Mount Tokadeh, Liberia.

POPULATION:
Structure and Density - The species appears to have a small population, but further research is needed to confirm this (Jacobs *et al.*, 2008ad; IUCN, 2009).
Trend - 2008 - Decreasing (Jacobs *et al.*, 2008ad; IUCN, 2009).

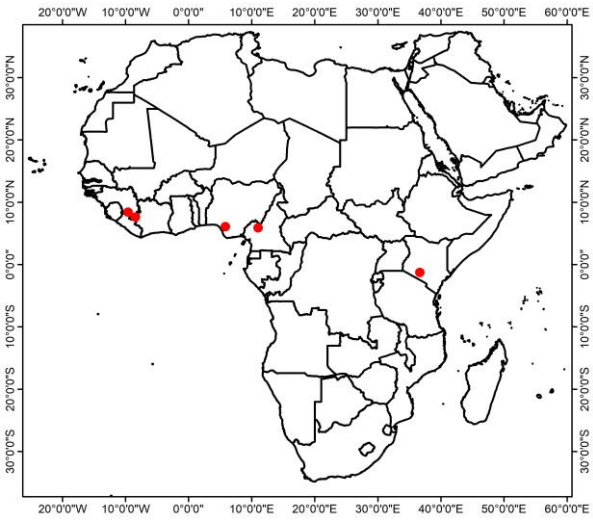

Figure 94. Distribution of *Rhinolophus hillorum*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Guinea, Kenya, Liberia, Nigeria.

Rhinolophus hipposideros (Bechstein, 1800)

1792. *minor* Kerr, in: Linnaeus, Animal Kingdom, 1 (1): xvii, 91. Publication date: February 1792. Type locality: France: "France". - Comments: Preoccupied by *minor* Kerr, 1792: 97 (two pages before this) (see Simmons, 2005).

*1800. *Vespertilio hipposideros* Bechstein, Allgemeine Uebersicht Vierfüssige Thiere, 2: 629. Type locality: France: "France". - Etymology: from the masculine Greek substantive "*ἵππος*" (híppos), meaning "horse" and from the neuter Greek substantive "*σίδηρος*" (síderos), meaning "iron", referring to the occurrence of a fleshy horseshoe-shaped expansion on the muzzle in this species as in all other species of the genus (see Lanza *et*

al., 2015: 104).

1861. *Rhinolophus miminus* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 29 (8): 4, 6. Publication date: 1861. Type locality: Eritrea: Kérén [ca. 15 45 N 38 20 E]. Holotype: SMNS 987: sad ♂, skull and alcoholic. Collected by: Martin Theodor von Heuglin; collection date: 1861. Andersen (1904c: 455) mentions it as an immature, but full-grown specimen and 1862? as collection date. Dieterlen *et al.* (2013: 294) mention "skull and specimen in alcohol" and mention 1861 as collection date.

1870. *Rhinolophus Eggenhöffner* Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 62 (1): 151. - Comments: This might be an African form, but we do not have any further information.

1905. *Rhinolophus hipposiderus typicus* K. Andersen, Proc. zool. Soc. Lond., 1905, II, I (10): 141. Publication date: 7 October 1905. - Comments: This might be an African form, but we lack any further information.

1918. *[Rhinolophus hipposideros] escaleræ* K. Andersen, Ann. Mag. nat. Hist., ser. 9, 2 (10): 378. Publication date: 1 October 1918. Type locality: Morocco: Mogador [=Essaouira]: Ha-ha [ca. 31 31 N 09 46 W] [Goto Description]. Holotype: BMNH 1910.11.24.2: ♀. Collected by: D. Manuel M. de la Escalera. Presented/Donated by: Michael Rodgers Oldfield Thomas. See Andersen (1918: 378).

1937. *Rhinolophus hipposideros vespa* Laurent, Bull. Soc. Hist. nat. Afr. Nord, 28: 157, text-fig. 1 - 2. Publication date: February 1937. Type locality: Morocco: near Rabat: Oued Korifla [ca. 34 02 N 06 50 W]. Holotype: MNHN 919: ♂, alcoholic (skull not removed). Collected by: Prof. Dr. R. Laurent; collection date: 8 August 1927. Number 181 in Rode (1941: 238). Paratype: MNHN 833: ♂, alcoholic (skull missing). Collected by: Prof. Dr. R. Laurent. Number 181a in Rode (1941: 238).

1978. *eggenhoffner:* Corbet, Mammals Palaearctic region, 43. - Comments: Possibly extralimital. (Lapsus)

? *Rhinolophus hipposideros minimus:* (Name Combination)

? *Rhinolophus hipposideros:* (Name Combination, Current Combination)

TAXONOMY:

Revised by Felten *et al.* (1977). The status of populations around the Mediterranean, on Mediterranean Islands, and on both sides of the Red Sea is unclear (see Horácek *et al.*, 2000: 101). *hipposideros* species group (Csorba *et al.*, 2003: 53 - 55; Simmons, 2005: 356 - 357). See Csorba *et al.* (2003: 54) for review of taxonomy.

Kozhurina (2009: 72) points out that Borkhausen (1797 - Deutsche Fauna, oder kurzgefaßte Naturgeschichte der Thiere Deutschlands. Erster Theil: Säugethiere und Vögel. Frankfurt am Main: 85) was the first to give a scientific name to this species: *Noctilio Hipposideros*.

COMMON NAMES:

Albanian: Lakuriq nate hundpatkua i vogel. Arabian: Khafash abu hadwa saghir. Basque: Ferra-saguzar txikia. Catalonian (Spain): Rat penat petit de ferradura, Ratapinyada petita de ferradura. Croatian: Mali potkovnjak. Czech: vrápenec malý, wrápenec menší, vrápenec menší, malý vrápenec podkovní, vrápeník malý, vrápenec moravský. Danish: Dvaerghesteskonaese. Dutch: Kleine hoefijzerneus. English: Lesser Horseshoe Bat. French: Petit Rhinolophe, Petit rhinolophe fer à cheval, Petit Fer-à-Cheval. Gallician (Spain): Morcego pequeño de ferradura. German: Kleine Hufeisennase, Kleinhufeisennase. Greek: Μικροριόλοφος. Hungarian: is patkósorrú denevér, kis patkósdenevér, Rhinolophos i mikra. Italian: Rinòlofo minóre, Fèrro di cavàllo minóre. Macedonian: Mal Potkovichar. Maltese: Farfett il-Lejl tan-Nala Zghir. Norwegian: Liten hesteskonese. Polish: podkowiec maly. Portuguese: Morcego-de-ferradura-pequeno. Roman: Nas fier-chaval pitschen. Romanian: Liliac-mic-cupotcoavã. Russian: Малый подковонос (Malyj podkovonos). Slovakian: Podkovár malý. Spanish (Castillian): Murciélago pequeño de herradura, Rinolofo pequeño de herradura.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:

R. hipposideros is recorded from the Guenfouda Cave (syn. Ghar Zebouj) in eastern Morocco, dating from the beginning of the Holocene (Neolithic) period (López-García *et al.*, 2012: 51).

Dool *et al.* (2013: 4067) indicate that during the Pleistocene, *R. hipposideros* utilized multiple refugia across the Mediterranean.

Dool *et al.* (2016a: 206) indicate that *R. hipposideros* represents the oldest lineage of the genus and diverged fromthe other species around 16 Mya.

CONSERVATION STATUS:
Global - This species has a large range. Although there have been marked and well-documented declines in some areas, the species remains widespread, fairly common, and apparently stable in other areas. Assessed as Least Concern (LC ver 3.1 (2001)) (Jacobs *et al.*, 2008aq; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008aq; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004af; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
Threats include disturbance and loss of underground habitats and attics (conversion of attics in human habitat), agricultural intensification, fragmentation and isolation of habitats, and the use of pesticides in agricultural areas (Jacobs *et al.*, 2008aq; IUCN, 2009).

In Austria, Reiter *et al.* (2012: 283) studied the influence of landscape fragmentation on *R. hipposideros* and found that conservation measures for colonies of lesser horseshoe bats should be undertaken within 2.5 km of the nursery roost. As these bats seem to be unable to adapt their spatial foraging behaviour by shifting from woodland to a degraded landscape, any loss of woodland near the colonial roosts will negatively influence the colony.

R. hipposideros's aerial hawking and its long-distance disperal are considered to be major risk factors in view of climatic change (Sherwin *et al.*, 2012: 174).

CONSERVATION ACTIONS:
According to Jacobs *et al.* (2008aq) [in IUCN (2009)], *Rhinolophus hipposideros* is protected by national legislation in all European range states. There are international legal obligations for protection through Bonn Convention (Eurobats) and Bern Convention, where those apply. Included in Annex II (and IV) of EU Habitats and Species Directive and hence requiring special measures for conservation including designation of Special Areas for Conservation. Some habitat protection through Natura 2000. Recommended conservation measures include protecting maternity roosting sites, hibernation caves and foraging habitats. No specific conservation measures apply in South Asia; more research and monitoring are needed.

GENERAL DISTRIBUTION:
Rhinolophus hipposideros is widely distributed in the western and central Palaearctic. It is found in all the European countries (including the islands) of the Mediterranean region. In North Africa it is recorded from Morocco, Algeria, Tunisia and the eastern part of the Sinai (to Egypt); also occurs in eastern Africa. Also recorded from Anatolia and the countries of the Levant. It occurs from sea level to 2,000 m.

Native: Afghanistan; Albania; Algeria; Andorra; Armenia; Austria; Azerbaijan; Belgium; Bosnia and Herzegovina; Bulgaria; China; Croatia; Cyprus (Benda *et al.*, 2007: 71); Czech Republic; Djibouti (Pearch *et al.*, 2001: 388); Egypt (Sinai); Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 147); France [Corse]; Georgia; Germany; Gibraltar; Greece [Kriti]; Holy See [Vatican City State]; Hungary; India; Iran; Ireland; Islamic Republic of; Iraq; Ireland; Israel; Italy [Sardegna, Sicilia]; Jordan; Kazakhstan; Kyrgyzstan; Lebanon; Luxembourg; Macedonia, the former Yugoslav Republic of; Malta; Moldova; Monaco; Montenegro; Morocco (Benda *et al.*, 2010a: 157, El Ibrahimi and Rguibi Idrissi, 2015: 359); Pakistan; Palestinian Territory, Occupied (Shehab *et al.*, 2006: 161); Poland; Portugal; Romania; Russian Federation; San Marino; Saudi Arabia; Serbia; Slovakia; Slovenia; Spain [Baleares]; Sudan; Switzerland; Syrian Arab Republic; Tajikistan; Tunisia (Dalhoumi *et al.*, 2014: 53; 2016b: 867); Turkey; Turkmenistan; Ukraine; United Kingdom; Uzbekistan.
Regionally extinct: Liechtenstein; Netherlands.

DETAILED MORPHOLOGY:
Baculum - See Csorba *et al.* (2003: 54).

ECHOLOCATION:
Jones and Siemers (2010: 449 - 450) indicated that females emit pulses with a higher frequency than males, and also that juveniles emit lower frequencies than adults.

Papadatou *et al.* (2008b: 132) report the following data for 5 Greek specimens: F_{start}: 96.6 ± 10.25 kHz, F_{end}: 84.8 ± 4.74 kHz, F_{peak}: 110.6 ± 3.93 kHz, bandwidth: 4.8 ± 1.61 kHz, duration 45.2 ± 6.43 msec and interpulse interval: 98.2 ± 29.10 msec.
For 52 calls of bats from France, Switzerland and the UK, Walters *et al.* (2012: suppl.) report the following figures: duration: 42.47 ± 12.66 msec, F_{max}: 109.76 ± 2.35 kHz, F_{min}: 94.35 ± 3.95 kHz, bandwidth: 15.41 ± 4.26 kHz, F_{peak}: 109.58 ± 2.36 kHz.
The following data for 18 Iranian calls were reported by Benda *et al.* (2012a: 182): F_{start}: 111.2 ± 0.8 (109.9 - 112.2) kHz, F_{end}: 108.5 ± 1.4 (106.2 - 110.7) kHz, F_{peak}: 110.3 ± 0.8 (109.0 - 111.1) kHz, duration: 49.9 ± 1.5 (47.8 - 52.0) msec, interpulse interval: 41.9 ± 3.8 (36.1 - 48.7) msec.

Disca *et al.* (2014: 226) indicate that the type of call

is FM-FC-FM in Morocco, with F_{peak}: 116.9 ± 0.2 kHz and duration: 39.7 ± 13.2 msec, whereas Dalhoumi *et al.* (2016b: 866) report a frequency "> 112 kHz" (111.5 - 117.5 kHz).

57 calls were recorded by Hackett *et al.* (2016: 223) from Israel: Pulse duration: 42.28 ± 12.09 msec, F_{start}: 92.54 ± 6.79 (83.9 - 109.3) kHz, F_{end}: 93.37 ± 8.61 (80 - 114.2) kHz, F_{peak}: 107.58 ± 0.49 (103.5 - 109.3) kHz.

Dool *et al.* (2016b: Suppl.) showed that there is a sexual dimorphism in the peak frequencies in Irish bats, with males call on average 4 kHz lower.

MOLECULAR BIOLOGY:
DNA - See Puerma *et al.* (2007).

Karyotype - Capanna *et al.* (1967) reported 2*n* = 56, FN = 60. However, Rushton (1970: 463) reported 2*n* = 58, FN = 60, a metacentric X, and a minute Y. For a female from Jordan, Qumsiyeh and Baker (1985) reported 2*n* = 58, FN = 60, BA = 4. More recently, Puerma *et al.* (2007) reported 2*n* = 54, FN = 62, BA = 10, a submetacentric X and an acrocentric Y for specimens from Spain.

Volleth *et al.* (2013: 55) and Arslan and Zima (2014: 8) indicate that three diploid chromosome numbers are present in Europe: 54, 56, and 58. The specimens with 58 chromosomes occur in Asia Minor and the Middle East, those with 56 chromosomes in the Czech Republic, Slovakia, Italy and Greece, and those with 54 chromosomes in Spain, Germany and (possibly) Switzerland.

Protein / allozyme - Unknown.

DIET:
Andreas *et al.* (2013) using faecal analysis of *R. hipposideros* from southern Slovakia, showed that this species fed only on the small moths (<25mm) (%f = 59; %vol = 87) and this prey category was supplemented with Neuroptera (Hemerobiidae) (%f = 13.8; %vol = 1.5), nematoceran (%f = 20.7; %vol = 10.0) and brachyceran (%f = 6.9; %vol = 1.2) Diptera.

Droppings from northern Algeria were examined by Ahmim and Moali (2013: 175), who found the following prey items: Insecta (93.46 %) and Chilopoda (6.54 %). Among the Insecta, Diptera were mostly encountered (41.58 %), more specifically: Culicidae (15.59%), Chironomidae/Ceratopogonidae (9.68 %) and Tipulidae (6.45 %). Lepidoptera formed the second most important insect order (21.1 %), followed by Hemiptera (11.68 %).

POPULATION:
Structure and Density - According to Jacobs *et al.* (2008aq) [in IUCN (2009)], *Rhinolophus hipposideros*) is an infrequent species in the northern part of its range. In Europe the species forms summer colonies of 10 - 50 individuals (up to 1,500 animals), whereas it is solitary in winter or forms loose aggregations up to 500 animals per roost. Since the 1950s the northern border of the range in western and central Europe has moved to the south. In the Netherlands, northern Belgium and Germany (except for a few colonies in Bavaria, Thüringen, Sachsen and Sachsen-Anhalt) the species went extinct (Fairon *et al.*, 1982; Schofield, 1999). It disappeared from northern and western parts of Bohemia, and much of Poland where 87 % of the hibernating population was lost between 1950 and 1990 (Urbanczyk, 1994; Ohlendorf, 1997). In Switzerland and Austria the distribution became fragmented, as colonies remained only at higher elevations (>400 m) (Stutz and Haffner, 1984; Spitzenberger, 2002), although in Switzerland at least the population has started to slowly recover over the last 10 years (increasing from 2,200 to 2,500 adults counted in maternity roosts: H. Kraettli *pers. comm.,* 2006). In Spain some colonies have disappeared due to the restoration of buildings, but there are no data on population trend (J. Juste and T. Alcalde *pers. comm.,* 2006), and in France there have been some declines in the north, although large populations in the south are thought to be more stable (EMA Workshop, 2006). In the southwest Asian part of the range it gathers in wintering colonies of up to 40 animals, although it is mainly solitary (K. Tsytsulina *pers. comm.,* 2005). In Turkey it is a commonly reported species, and the population is stable (A. Karatash *pers. comm.,* 2005). It is common in Iran although encountered less frequently than *R. ferrumequinum* (M. Sharifi *pers. comm.,* 2005). It is not known how abundant this species is in Jordan and Syria but it may be more common than the collection reports indicate (Amr, 2000). Size and trends within Africa and South Asia are unknown.
Trend - 2008 - Decreasing (Jacobs *et al.*, 2008aq; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Tuttle and Stevenson (1982: 120) indicate that some females might attain sexual maturity in as little as three months, whereas other females and males might need 15 months.
At birth, the young has about 34.4 % of the mother's body mass (4.2 g versus 12.3 g) (see Kurta and Kunz, 1987: 82).

POSTNATAL DEVELOPMENT:
In Austria, Reiter (2004: 234) found that the

average forearm length at one day of age was 17.5 mm and the average weight 2.0 g. He also found that the growth of both the forearm and weight was almost linear during the first 14 days. In some cases, a loss of weight could be observed between day 15 and 20, which occurred a few days before the first flights took place (at between 18 and 20 days of age). At the time of their first flight, the forearm was 92 % of that the adult female, and weight was 70 % of the adult's.

PARASITES:
In Italy, Voyron *et al.* (2011: 193) reported the following fungal entitiy from *R. hipposideros* carcasses: *Mortierella gamsii* Miko, 1974.
Genov *et al.* (1992) reported the presence of the Nematode *Molinostrongylus alatus* (Ortlepp, 1932) in Moldova.

Benda *et al.* (2010b: 234) found the bat fly *Phthiridium integrum* (Theodor and Moscona, 1954) (Nycteribiidae) on *R. hipposideros* in Jordan. They also indicate that *Phthiridium bilobum* (Theodor and Moscona, 1954) was reported before from Palestine, and the fleas *Ischnopsyllus octactenus* (Kolenati, 1856) and *Rhinolophopsylla u. unipectinata* (Taschenberg, 1880) from Turkey.

From Algeria, Bendjeddou *et al.* (2013: 325) reported infestations by *Phthiridium biarticulatum* Hermann, 1804 (Diptera: Nycteribiidae) and *Cimex lectularius* (Linnaeus, 1758) (Hemiptera: Cimicidae). Another Algerian ectoparasite was reported by Bendjeddou *et al.* (2017: 15): Arachnida: *Ixodes ricinus* (Linnaeus, 1758).

VIRUSES:
Coronaviridae
Alphacoronavirus
This virus was reported from Italy by Kohl and Kurth (2014: 3112).
Betacoronavirus
Kohl and Kurth (2014: 3112) reported this virus from Bulgaria, Germany, Slovenia, Italy.

Reoviridae
Orthoreovirus
Reported from Italy by Kohl and Kurth (2014: 3113).

Orthomyxoviridae
Despite sampling and testing of 6 individuals of this species, no evidence of influenza A-like viruses (*Orthomyxoviridae*) were obtained (Fereidouni *et al.*, 2015).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Angola, Cameroon, Egypt, Eritrea, Ethiopia, Liberia, Morocco, Sudan, Tunisia.

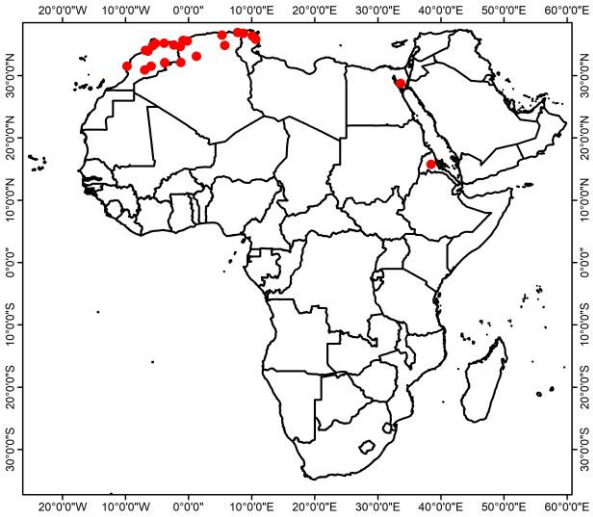

Figure 95. Distribution of *Rhinolophus hipposideros*

Rhinolophus horaceki Benda and Vallo, 2012

*2012. *Rhinolophus horaceki* Benda and Vallo [Goto Description]. Holotype: NMP 49880: ad ♂, skin and skull. Collected by: Michal Andreas, Petr Benda, Vladimir Hanák, Antonin Reiter and Marcel Uhrin; collection date: 15 May 2002; original number: pb2124. Paratype: NMP 49861: ad ♂, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Vladimir Hanák, Antonin Reiter and Marcel Uhrin; collection date: 12 May 2002; original number: pb2104. Paratype: NMP 49879: ad ♂, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Vladimir Hanák, Antonin Reiter and Marcel Uhrin; collection date: 15 May 2002; original number: pb2123. Paratype: NMP 49882: ad ♀, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Vladimir Hanák, Antonin Reiter and Marcel Uhrin; collection date: 16 May 2002; original number: pb2127. Paratype: NMP 49915: ad ♀, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Vladimir Hanák, Antonin Reiter and Marcel Uhrin; collection date: 20 May 2002; original number: pb2163. (Current Combination)

TAXONOMY:
Based on cytochrome *b* sequences, Benda and Vallo (2012) were able to distinguish a new species of *Rhinolophus* from northern Libya (Cyrenaica). The cytochrome *b* shares unique base positions with the *ferrumequinum*/*clivosus* complex, but also with the *fumigatus* group.

Benda *et al.* (2014c: 24) indicate that specimens of this species were reported as *R. clivosus* by Qumsiyeh and Schlitter (1982).

COMMON NAMES:
Dutch: Horacekcs hoefijzerneus. German: Lybische Hufeisennase.

GENERAL DISTRIBUTION:
Benda *et al.* (2014c: 22) indicate that *R. horaceki* is an endemic of the Mediterranean part of Cyrenaica, streching about 360 km along the coast, and covering no more than 4,000 km^2.

ROOST:
Benda *et al.* (2014c: 22) found a group of four bats in a cave situated in the northern slope of the side valley of the western part of Wadi Al Kuf (Libya).

DIET:
The diet of this species was determined by Benda *et al.* (2014c: 26). One group of faecal pellets contained 99.8 % by volume medium-sized moths and 0.2 % small nematoceran Diptera. A second group of pellets contained 54 % of medium-size Lepidoptera, 38 % of Blattoidea, 4 % of Formicoidea, 2 % of Auchenorrhyncha and 2 % of Coleoptera.

REPRODUCTION AND ONTOGENY:
Two pregnant females were collected by Benda *et al.* (2014c: 24) on 16 and 20 May 2002.

Rhinolophus kahuzi Fahr and Kerbis Peterhans, 2013

*2013. *Rhinolophus kahuzi* Fahr and Kerbis Peterhans, in: Kerbis Peterhans, Fahr, Huhndorf, Kaleme, Plumptre, Marks and Kizungu, Bonn. Zool. Bull., 62 (2): 192, 194, figs 5, 6. Publication date: November 2013. Type locality: Congo (Democratic Republic of the): Western slope of Mt. Kahuzi [02 15 09 S 28 40 09 E, 2 600 m] [Goto Description]. Holotype: FMNH 219793: ad ♂, skull and alcoholic. Collected by: R. Kizungu; collection date: 28 July 2007; original number: JCK 5406. - Etymology: The name refers to the type locality and is used as a noun in apposition (see Kerbis Peterhans *et al.*, 2013: 194). (Current Combination)

COMMON NAMES:
English: Kahuzi horseshoe bat. German: Kahuzi-Hufeisennase.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the).

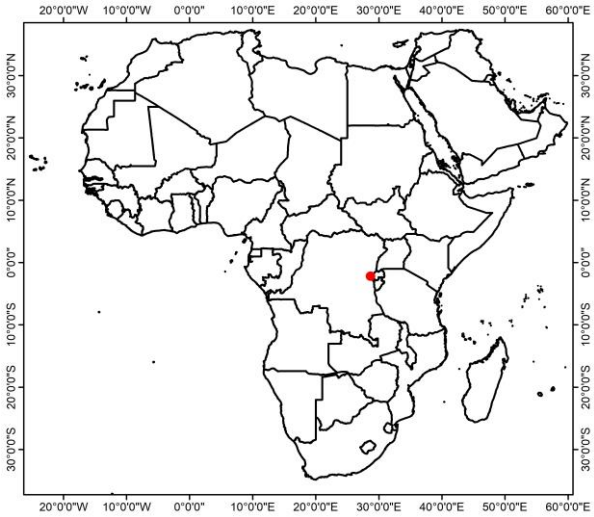

Figure 96. Distribution of *Rhinolophus kahuzi*

Rhinolophus landeri Martin, 1838

*1838. *Rhinolophus landeri* Martin, Proc. zool. Soc. Lond., 1837, V (lviii): 101. Publication date: 25 May 1838. Type locality: Equatorial Guinea: Bioko [formerly Fernando Po] [ca. 03 21 N 08 40 E]. Holotype: BMNH 1855.12.26.250:. - Etymology: Named by Martin after Richard Lemon Lander (1804 - 1834), an English explorer of western Africa (see Rosevear, 1965; Taylor, 2005; Lanza *et al.*, 2015 109). (Current Combination)

1904. *Rhinolophus Dobsoni* Thomas, Ann. Mag. nat. Hist., ser. 7, 14 (80): 156, footnote.

Publication date: 1 August 1904. Type locality: Sudan: Kordofan [ca. 13 00 N 30 00 E] [Goto Description]. Holotype: BMNH 1847.5.7.49: ♀.

1917. *Rhinolophus axillaris* Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 429. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Aba [03 53 N 30 17 E] [Goto Description]. Holotype: AMNH 49175: ad ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 17 December 1911; original number: 1807. The museum labels indicate it as a female.

? *Rhinolophus landeri dobsoni:* (Name Combination)

? *Rhinolophus landeri landeri:* (Name Combination)

TAXONOMY:

Meester *et al.* (1986) state that Rosevear (1965) and Kock (1969a) regard *guineensis* Eisentraut, 1960, from Guinea, as subspecifically distinct from *landeri*. Hayman and Hill (1971), on the other hand, consider it a synonym, while Böhme and Hutterer (1979, Csorba *et al.* (2003: 59 - 61) and Simmons (2005: 356) regard it as a distinct species, sympatric with *landeri* and somewhat larger.

Other names associated with *landeri* are *dobsoni* Thomas, 1904, which is either a synonym (Kock, 1969a) or a valid subspecies (Koopman, 1975). See Csorba *et al.* (2003: 62) for remarks on taxonomy. *lobatus* Peters, 1852 and *angolensis* Seabra, 1898 were removed by Taylor *et al.* (2018: 22).

COMMON NAMES:

Afrikaans: Lander se saalneusvlermuis, Lander-saalneusvlermuis. Czech: vrápenec Landerův. English: Lander's Horseshoe Bat. French: Rhinolophe de Lander. German: Landers Hufeisennase, Kastanienrothe Kammnase, Rundlappigen Kammnase. Italian: Rinòlofo di Lànder. Kiluba (DRC): Kasusu. Portuguese: Morcego ferradura de Lander. Spanish (Castillian): Murciélago de Herradura

CONSERVATION STATUS:

Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008an; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008an; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004ap; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:

There appear to be no major threats to *Rhinolophus landeri* as a whole (Jacobs *et al.*, 2008an; IUCN, 2009).

CONSERVATION ACTIONS:

Jacobs *et al.* (2008an) reported in IUCN (2009) that in view of the wide range of *Rhinolophus landeri* it seems probable that it is present in some protected areas. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:

Rhinolophus landeri has been widely reported from much of sub-Saharan Africa. It ranges from Senegal and The Gambia in the west, through most of West and Central Africa to Sudan and Ethiopia in the east. The species had been recorded as far south as eastern South Africa, but all southern and eastern African specimens are now referred to *R. lobatus* (see Taylor *et al.*, 2018: 24). On Mount Cameroon, they have been taken at an altitude of 1,200 m asl and at 900 m asl on Mount Bintamane in Sierra Leone (Rosevear, 1965).

Native: Benin (Capo-Chichi *et al.*, 2004: 162); Burkina Faso (Kangoyé *et al.*, 2015a: 610); Cameroon; Central African Republic; Congo; Côte d'Ivoire; Equatorial Guinea (including Bioko); Ethiopia; Gabon; Gambia (Emms and Barnett, 2005: 50); Ghana; Guinea (Fahr and Ebigbo, 2003: 128; Decher *et al.*, 2016: 264); Liberia (Monadjem and Fahr, 2007: 47); Niger; Nigeria; Senegal; Sierra Leone; Somalia; Sudan; Togo.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:

Menzies (1973) [in Young (1975: 76)] indicates that, in some colonies in northern Nigeria, rufous bats get a grey fur during the molting season, and subsequently change back to rufous.

SEXUAL DIMORPHISM:

Krutzsch (2000: 117) mentions the presence of shoulder glands in the males.

ECHOLOCATION:

In Guinea, Fahr and Ebigbo (2003) reported the frequency of the CF-component as 103.3 kHz. In Kenya, O'Shea and Vaughan (1980) using a Holgate ultrasonic sensor reported a frequency of 55 kHz for individuals at Masalani, later Taylor *et al.* (2005) using a Pettersson D980 reported a

maximum frequency of 110 (± 0) kHz for an individual from Bungule.

In Burkina Faso, Kangoyé *et al.* (2015a: 613) recorded one male calling at 108.5 kHz, and a female calling at 105.6 kHz.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - 2*n* = 58, FN = 60, BA = 4, and a submetacentric X chromosome (Rautenbach *et al.*, 1993). Koubínová *et al.* (2010b) agree with Rautenbach *et al.* (1993), and reported for a female from Senegal 2*n*= 58, and a Fna= 64, which contained four pairs of biarmed autosomes three pairs of which were medium to small sized meta- or submetacentrics and one was a medium sized subtelocentric, the remaining 24 pairs were a gradated series of acrocentrics.
Protein / allozyme - Unknown.

HABITAT:
Monadjem *et al.* (2016y: 366) recorded this species in the Mount Nimba area in forested habitats between 550 and 1,000 m.

POPULATION:
Structure and Density - This species is rather common locally, colonies can consist of hundreds of individuals (Jacobs *et al.*, 2008an; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008an; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Orr and Zuk (2014: 902) refer to Racey (1982) [who in turn refers to Menzies (1973)] and indicated that in *R. landeri* it can take up to two months before the blastocyst gets implanted.

PARASITES:
HAEMOSPORIDA
Adam and Landau (1973a: 5) report on the presence of a protozoan parasite of the genus *Polychromophilus* (Haemoproteidae) in *R. landeri*. About 50 % of the specimens from Congo they examined, were found to be infected. Gametocytes were found year-round. The bats were also infested by the nycteribiids *Penicillidia fulvida* Bigot, 1885 and *Nycteribia schmidlii scotti* Falcoz, 1923, of which the prior was a major carrier of *Polychromophilus* sporozoites. Schaer *et al.* (2013a: 17416) also found this parasite in one out of two West African bats they examined.
Polychromophilus ? murinus was reported by Garnham (1973: 237), based on a record by Adam and Landau.

Schaer *et al.* (2015: 381) found *Nycteria* sp, in a bat from Guinea and *Nycteria* cf. *congolensis* in a *R. landeri* from Sierra Leone. Perkins and Schaer (2016: Suppl.) reported on *Nycteria congolensis* (Garnham, 1966) from Sierra Leone, and *Nycteria* sp. from Côte d'Ivoire or Guinea.

Justine (1989b: 537, 544) described two new stomach parasites: *Capillaria landauae* and *Capillaria brosseti* (Nematoda) from *R. landeri* from Makokou (Gabon).

Polyctenidae: *Androctenes horvathi* Jordan, 1912 recorded from Congo (Haeselbarth *et al.*, 1966: 17).

Streblidae: *Ascodipteron lophotes* Monticelli 1898 from Kenya (Haeselbarth *et al.*, 1966: 106, but Maa (1965) suggests that these records need verification). *Brachytarsina africana* (Walker, 1849) has a wide distribution in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100). *Penicillidia pachymela* Speiser, 1901, from Somalia, Sudan, Kenya, Tanzania, the Congo, Guinea and the Cameroon Mts (Haeselbarth *et al.*, 1966: 114). *Raymondia intermedia* Jobling, 1936 in Sierra Leone (Haeselbarth *et al.*, 1966: 102), Kenya (Haeselbarth *et al.*, 1966: 102, host referred to as *R. axillaris*), see also Shapiro *et al.* (2016: 255). *Raymondia simplex* Jobling, 1955 at Kasongo, Congo (Haeselbarth *et al.*, 1966: 104; Shapiro *et al.*, 2016: 256). *Raymondia waterstoni* Jobling, 1931 (Shapiro *et al.*, 2016: 256).

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Rhinolophus landeri*: Astroviruses and Coronaviruses.

Coronaviridae - Coronaviruses
SARS-CoV - Seven out of 58 (12.1 %) Kenyan bats tested positive for CoV (Tao *et al.*, 2017: Suppl.).

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that the single specimen they examined from Ghana tested negative for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*. In South Africa, however, Mortlock *et al.* (2015: 1841) reported that the only *R. landeri* specimen they examined, tested positive for *Paramyxovirus* sequences.

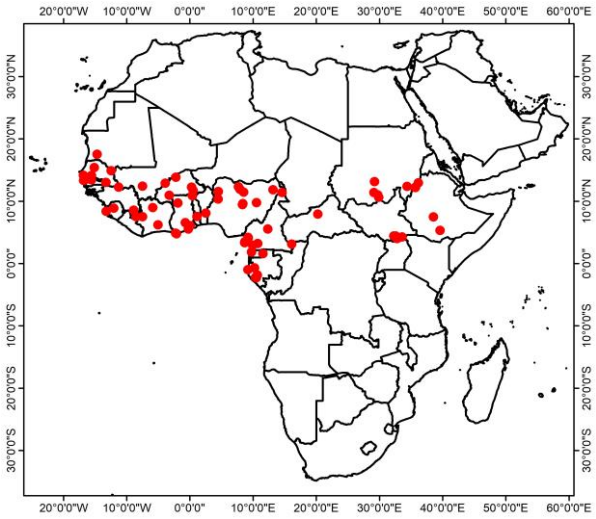

Figure 97. Distribution of *Rhinolophus landeri*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Burkina Faso, Cameroon, Central African Republic, Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Liberia, Mali, Mauritania, Nigeria, Senegal, Sierra Leone, South Sudan, Sudan, The Gambia, Togo.

Rhinolophus lobatus Peters, 1852

1852. *Rhinolophus lobatus* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 41, pl. 9; pl. 13, figs 16 - 17. Publication date: 1852. Type locality: Mozambique: S bank Zambesi River, Tette: Sena [17 28 S 35 01 E] [Goto Description]. Syntype: ZMB 24922: ♂, complete skeleton. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008). Syntype: ZMB 24927: ♀, complete skeleton. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008). Syntype: ZMB 2496: ♀, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008). Syntype: ZMB 375: ♀, skin only. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008). - Comments: Brown and Dunlop (1997: 1) mention the type locality as "Africa orientalis, Sena, Tette" (=Sena, Mozambique) restricted by Moreau *et al.* (1946: 399). For coordinates: see Ansell and Dowsett (1988: 33). Taylor *et al.* (2018: 22) situate Sena at -15.679 S, 33.809 E [=15 40 44 S 33 48 32 E]. This is in the Tete province, but north of Tete and 57 km north of the Zambezi River, whereas they also mention the locality to be on the south bank of the Zambezi River. According to Google maps these coordinates point to Muchena, which is on the Revuboe River. We believe the type locality is the same as "Vila de Sena", which is located at 17 26 30 S 35 01 38 E in the Sofala province, at the south bank of the Zambezi River.

1898. *Rhinolophus angolensis* Seabra, J. Sci. mat. phys. nat., ser. 2, 5: 250. Type locality: Angola: Hanha [12 15 S 13 45 E].

? *Rhinolophus landeri lobatus:* (Name Combination)

TAXONOMY:
Used to be included in *R. landeri* Martin, 1838, but Taylor *et al.* (2018: 22) found molecular differences which led them to recognize the taxon as a separate species. They also transferred *angolensis* Seabra, 1898, although this taxon might turn out to be a separate species.

CONSERVATION STATUS:
Regional -
South Africa (as *R. landeri*): 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016h). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

GENERAL DISTRIBUTION:
For southern African "*R. landeri*", Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,008,924 km^2. Taylor *et al.* (2018: 25) suggest that all savannah populations in southern and eastern Africa might belong to *R. lobatus*.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 560); Burundi; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259Monadjem *et al.*, 2010d: 560); Kenya; Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 560); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*,

2010d: 560; Monadjem *et al.*, 2010c: 379); Namibia; Rwanda; South Africa (Monadjem *et al.*, 2010d: 560); Tanzania (including Unguja [=Zanzibar] [O'Brien, 2011: 286]); Uganda; Zambia (Ansell, 1969; Ansell, 1978; Monadjem *et al.*, 2010d: 560); Zimbabwe (Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 560) [All as *R. landeri*].

However, as most of the underlying specimens have not been re-examined, some records from the northeastern DRC and northern Uganda might actually represent *R. landeri*.

ECHOLOCATION:
In South Africa, Aldridge and Rautenbach (1987) reported (as *R. landeri*) a maximum frequency of 110 kHz for individuals from Pafuri, while Jacobs *et al.* (2007a) reported a peak frequency of 107.3 (± 2.1) kHz (detector type and locality not reported). Monadjem *et al.* (2010c: 379) reported from Mozambique that the peak echolocation frequencies for a single female was102.2 kHz (ANABAT), while a single male was recorded at 104 kHz (Pettersson S240x).

Four specimens from Chihalatan and Malashane (Mozambique) had peak frequency of 106.8 ± 0.4 kHz (Taylor *et al.*, 2018: 24).

PARASITES:
HAEMOSPORIDA
Texeira and Camargo [in Lima *et al.* (2013: 13)] described *Trypanosoma livingstonei* from a "*R. landeri*" specimen collected in Mozambique (see also Barbosa *et al.*, 2016: 215).

DIPTERA
Streblidae: *Raymondia aspera* Maa, 1968 was reported from "*R. landeri*" in Mozambique (Shapiro *et al.*, 2016: 254).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera of two "*R. landeri*" specimens from then Limpopo Province, South Africa, neither was positive (0/2).

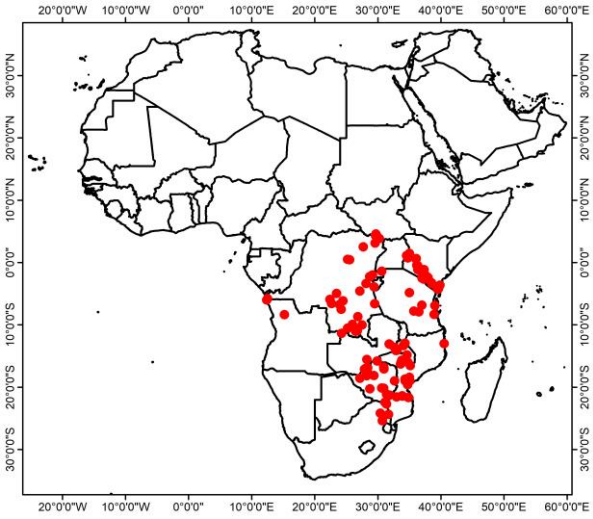

Figure 98. Distribution of *Rhinolophus lobatus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Burundi, Congo (Democratic Republic of the), Kenya, Malawi, Mozambique, Rwanda, South Africa, Tanzania, Uganda, Zambia, Zimbabwe.

Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

*2012. *Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, PLoS ONE, 7(9): 17. Publication date: 12 September 2012. Type locality: Mozambique: Mt. Mabu [161702S 362353E, 1043 m] [Goto Description]. Holotype: DNSM 10842: ad ♀, skull and alcoholic. Collected by: Michael Curran and Mirjam Kopp; collection date: 13 October 2008. Baculum prepared Taylor *et al.* (2012c: 17). Paratype: DNSM 11485: ad ♀, skull and alcoholic. Collected by: J. Bayliss; collection date: 5 September 2009. - Etymology: Taylor *et al.* (2012c: 17) selected the specific epithet to draw attention to the serious threats to the unique biodiversity isolated on the montane forest islands in northern Mozambique – notably Mts Mabu and Inago. None of these landforms lie within formally protected areas, and all are undergoing major habitat degradation and destruction from ever-increasing human activities - hunting, fires, timber harvesting and expanding agriculture. (Current Combination)

TAXONOMY:
Based on mitochondrial and nuclear DNA sequences and morphological and morphometric data, Taylor *et al.* (2012c) found that the *Rhinolophus hildebrandtii* group includes more species than previously recognized.

COMMON NAMES:
English: Mount Mabu Horseshoe Bat. German: Mt. Mabu Hufeisennase.

GENERAL DISTRIBUTION:
Known only from two mountains in northern Mozambique but quite possibly extending to

nearby Mts. Namuli, Chiperone, Mulanje and the Malawi Rift (Taylor *et al.*, 2012c: 17).

Accurate delimitation of this species' range is subject to further collecting and reappraisal of existing museum material, previously refered to as *R. hildebrandtii*.

Native: Mozambique (Taylor *et al.*, 2012c: 17).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Mozambique.

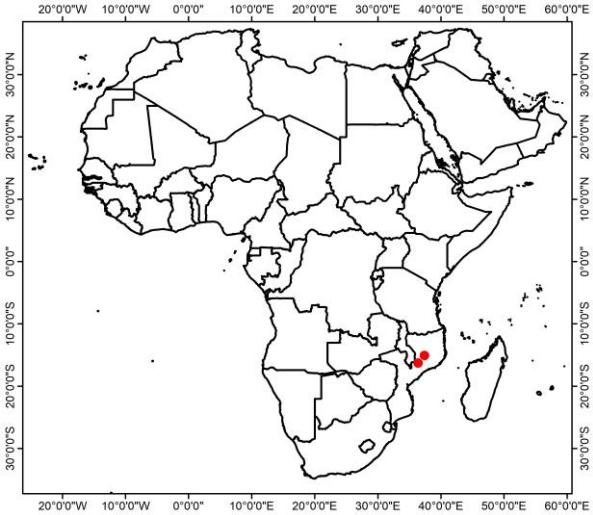

Figure 99. Distribution of *Rhinolophus mabuensis*

Rhinolophus maclaudi Pousargues, 1898

*1898. *Rhinolophus Maclaudi* Pousargues, Bull. Mus. natn. Hist. nat., Paris, sér 1, 3 (8): 358, f. 1, 2 (for 1897). Publication date: 22 January 1898. Type locality: Guinea: Conakry Island [09 31 N 13 43 W] [Goto Description]. Holotype: MNHN ZM-MO-1897-281: ♀, skull and alcoholic. Collected by: Dr. C. MacLaud. Number 177 in Rode (1941: 237). - Comments: Grubb *et al.* (1998: 78) mention 1898 as year of publication. - Etymology: Named in honour of dr. Maclaud, collector of the holotype (Pousargues, 1897: 361). (Current Combination)
? *Rhinolophus maclaudi:* (Current Spelling)

TAXONOMY:
R. maclaudi is an ecomorphological outlier having long-ears, which traditionally placed it in the *R. philippinensis* group (Andersen, 1905c). Csorba *et al.* (2003: xvii, 63 - 64) state that it is located well inside the Africa clade, in the *maclaudi*-group, and are followed by Simmons (2005: 358). Koopman (1993a: 167) included *ruwenzorii* and *hilli*, but this is revised by Fahr *et al.* (2002), who recognizes them as distinct species (followed by Csorba *et al.*, 2003 and Simmons, 2005).

COMMON NAMES:
Czech: vrápenec Maclaudův. English: MacLaud's Horseshoe Bat. French: Rhinolophe de MacLaud. German: Maclauds Hufeisennase.

CONSERVATION STATUS:
Global - Listed as Endangered (EN B2ab(iii) ver 3.1 (2001)) because its area of occupancy (cave roosts) is probably less than 500 km², its distribution is severely fragmented through habitat degradation, and the extent of its habitat in the Fouta Djallon Highlands is declining (Fahr, 2008l; IUCN, 2009).

Assessment History -
2008 - EN B2ab(iii) ver 3.1 (2001) (Fahr, 2008l; IUCN, 2009). 2004 - EN B1ab(iii) ver 3.1 (2001) (Fahr, 2004e); IUCN, 2004. 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
The relatively limited range of *Rhinolophus maclaudi* is quite densely populated, and it is threatened by habitat loss and degradation of remaining patches of forest, and by overharvesting for the bush meat trade (Fahr *et al.*, 2002).

Sagot and Chaverri (2015: 1670) mention habitat degradation or loss, and hunting as major threats for this species.

CONSERVATION ACTIONS:
Fahr (2008l) [in IUCN (2009)] reported that there appear to be no direct conservation measures in place. It is not known if *Rhinolophus maclaudi* is present in any protected areas. Protection of habitat, further research, and awareness education urgently required.

GENERAL DISTRIBUTION:
Rhinolophus maclaudi is known from a very few localities in eastern Guinea. Fahr *et al.* (2002) report that "apart from the type locality, supposedly Conakry Island, all records are located along the lower, southern slope of the Fouta Djallon region between Kindia and Mamou near the border with

Sierra Leone". However, recent surveys have revealed additional localities in the Fouta Djallon Highlands, ranging as far north as the Gessorewoul River in Prefecture Mali (Weber and Fahr, 2007).

Fahr (2007a: 104) re-identified specimens reported from Liberia by Simmons (2005: 358) as *R. ziama*. Specimens from Nigeria reported by Koopman *et al.* (1995: 6, 19), Happold (1987: 60 - 61), and Csorba *et al.* (2003: 64) were re-identified Fahr *et al.* (2002: 99) as *R. hildebrandtii*.

Native: Guinea.
Presence uncertain: Liberia (Simmons (2005: 358); Nigeria (Koopman *et al.*, 1995: 6, 19; Happold, 1987: 60 - 61; Csorba *et al.*, 2003: 64).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Csorba *et al.* (2003: 63) indicate that *R. maclaudi* is a very large species wiith enormous ears (40.0 - 44.0 mm) and a broad horseshoe, covering almost the whole muzzle. There is also a distinct ridge running on its surface nearly parallel to the outer ridge. There is no secondary horseshoe. The sella is very broad with a broadly rounded summit and parallel margined above. The lancet is long, narrow and cuneate.

ROOST:
For Guinea, Weber and Fahr (2006: 4) indicate that *R. maclaudi* largely or exclusively depends on the availability of caves as day roosts.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species. The species roosts singly or in small groups (Fahr *et al.*, 2002).
Trend - 2008 - Decreasing (Fahr, 2008l; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Guinea.

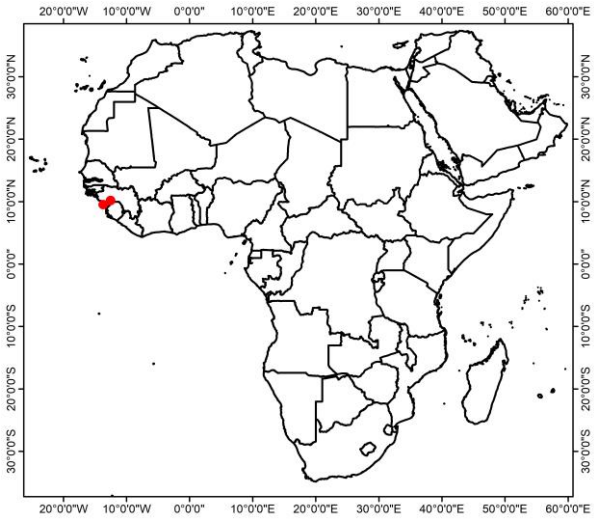

Figure 100. Distribution of *Rhinolophus maclaudi*

Rhinolophus maendeleo Kock, Csorba and Howell, 2000

*2000. *Rhinolophus maendeleo* Kock, Csorba and Howell, Senckenb. biol., 80 (1/2): 233, 234, figs 1, 4, 7. Publication date: 22 December 2000. Type locality: Tanzania: Tanga district: 2.5 km W of Tanga, Mkulumuzi River Gorge: Amboni Cave Forest [05 05 S 39 02 E, 0 - 80 m] [Goto Description]. Holotype: SMF 79643: ad ♂, skull and alcoholic. Collected by: L. Stubblefield; collection date: 25 February 1992; original number: KMH 7673. Paratype: SMF 66960: ad ♀. Collected by: H. Grossmann; collection date: 29 August 1985; original number: KMH 3216. - Etymology: From the Swaihili "*maendeleo*" for progress; a noun in apposition. Named in allusion to the increasing knowledge of the Tanzanian bat fauna (see Kock *et al.* (2000). (Current Combination)
2010. *Rhinolophus cf. maendeleo:* Monadjem, Schoeman, Reside, Pio, Stoffberg, Bayliss, Cotterill, Curran, Kopp and Taylor, Acta Chiropt., 12 (2): 379.

TAXONOMY:
adami species group (Csorba *et al.*, 2003: 5 - 7; Simmons, 2005: 359). See Csorba *et al.* (2003: 6) for remarks on taxonomy.

COMMON NAMES:
Czech: vrápenec tanganjický. English: Maendeleo Horseshoe Bat. French: Rhinolophe de Tanga. German: Tanzania-Hufeisennase.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) since it has only recently been discovered, and there is still very little information on its extent of occurrence, status and ecological requirements (Jacobs *et al.*, 2008ae; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs *et al.*, 2008ae; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004r; IUCN, 2004).

MAJOR THREATS:
The threats to *Rhinolophus maendeleo* are not

known (Jacobs *et al.*, 2008ae; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008ae) [in IUCN (2009)] reported that while *Rhinolophus maendeleo* is present in the Mazumbai Forest Reserve, further habitat protection is generally needed. Additional field surveys are needed to better determine the true extent of the species geographic range.

GENERAL DISTRIBUTION:
Rhinolophus maendeleo is a poorly known species that has only been recorded from two localities in Tanzania at elevations of up to 1,900 m asl, the type locality of 'Amboni Cave Forest, Mkulumuzi River Gorge, 2.5 km W of Tanga, Tanga District' (Anciaux de Faveaux, 1958) and Mazumbai Forest Reserve in the Usambara Mountains. It has recently been recorded from a single locality in Mozambique. Additional surveys are needed to better determine the range of this recently described species.

Native: Mozambique (Monadjem *et al.*, 2010d: 560; Monadjem *et al.*, 2010c: 379); Tanzania (Kock *et al.*, 2000; Csorba *et al.*, 2003: 6).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
Csorba *et al.* (2003: 6) indicate that the skull of *R. maendeleo* has an open foramen infraorbitale (without bony bar).

DETAILED MORPHOLOGY:
Baculum - See Csorba *et al.* (2003: 6).

POPULATION:
Structure and Density - *Rhinolophus maendeleo* is currently known only from two specimens, and there is no information on population sizes or trends (Jacobs *et al.*, 2008ae; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008ae; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Mozambique, Tanzania.

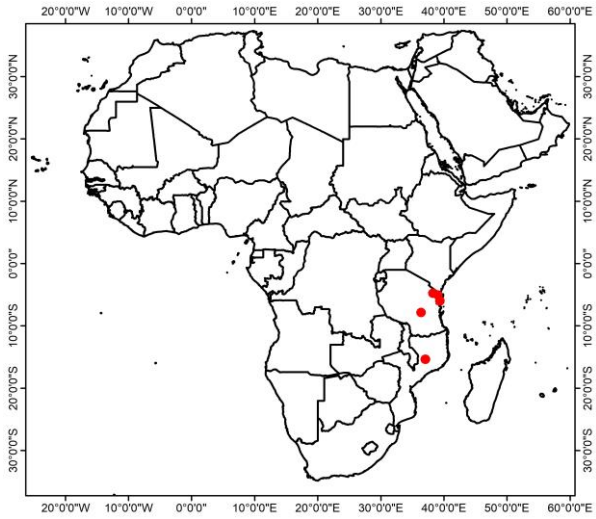

Figure 101. Distribution of *Rhinolophus maendeleo*

Rhinolophus mehelyi Matschie, 1901

*1901. *Rhinolophus mehelyi* Matschie, Sber. Ges. naturf. Freunde Berlin, 225. Type locality: Romania: Ilfov province: Bucharest [44 26 N 26 06 E]. - Etymology: In honour of Lajos Méhely (1862 - 1952) (see Kozhurina, 2002: 16). (Current Combination)

1904. *E[uryalus] barbarus* K. Andersen and Matschie, Sber. Ges. naturf. Freunde Berlin, 79. Type locality: Morocco: Tangiers [35 48 N 05 50 W]. Holotype: ZMB 12967: ♂, skull and alcoholic. Collected by: Kurt Floericke; collection date: 12 March 1898. See Turni and Kock (2008). Paratype: MHNG ♂, skull and alcoholic. Former ZMB 12968, exchanged in 1909; see Turni and Kock (2008: 28). Paratype: MHNG ♂, skull and alcoholic. Former ZMB 12972, exchanged in 1909; see Turni and Kock (2008: 28). Paratype: ZMB 12969: ♂, skull and alcoholic. Collected by: Kurt Floericke. See Turni and Kock (2008: 28). Paratype: ZMB 12970: ♂, skull and alcoholic. Collected by: Kurt Floericke. See Turni and Kock (2008: 28). Paratype: ZMB 12971: ♂, skull and alcoholic. Collected by: Kurt Floericke. See Turni and Kock (2008: 28). Paratype: ZMB 12972: Collected by: Kurt Floericke; collection date: 12 March 1898. Paratype: ZMB 12973: alcoholic (skull missing). Collected by: Dr. Lühe; collection date: 12 March 1898. From cave near Tebourba; see Turni and Kock (2008: 28). Paratype: ZMB 12974: ♂, alcoholic, skull and skeleton. Collected by: Dr. Lühe; collection date: 12 March 1898. From cave near Terbourba, see Turni and Kock (2008: 28) [lost]. Paratype: ZMB 12975: alcoholic (skull missing). Collected by: Dr. Lühe; collection date: 12 March 1898. From cave near Tebourba; see Turni and Kock (2008: 28).

1904. *E[uryalus] meridionalis* K. Andersen and Matschie, Sber. Ges. naturf. Freunde Berlin, 79. Type locality: Algeria: "Algeria". Holotype: ZMB 12976: ♀, skull and alcoholic. Collected by: Verreaux; collection date: undated. See Turni and Kock (2008: 26). Paratype: ZMB 3052: ♀. Collected by: Verreaux; collection date: undated. Number of paratype is 3052, not 12977 as mentioned by Andersen and Matschie (1904: 83): see Turni and Kock (2008:

29).

1955. *Rhinolophus euryale tuneti* Deleuil and Labbé, Bull. Soc. Sci. nat. Tunisie, 8: 52, 53. Type locality: Tunisia: Cap Bon: El Haouaria cave [37 03 N 11 01 E] [Goto Description]. Neotype: USNM 498999: ad ♂, skin and skull. Collected by: Tom Vaughan and Pamela Vaughan; collection date: 4 May 1975; original number: TPV 3244. Fisher and Ludwig (2015: 54) mention that a type specimen was not designated by Deleuil and Labbe (1955a), and that the type series has been lost. They also indicate that Cockrum (1976: 868) incorrectly gave the wrong number when assigning the neotype (USNM 498998). - Comments: Horácek *et al.* (2000: 102) consider it a valid subspecies. Dalhoumi *et al.* (2011: 267) indicate that Deleuil and Labbe (1955a) based their description on a specimen belonging to *R. mehelyi* (type) and two belonging to *R. blasii* (paratypes), as was already suggested by Aellen and Strinati (1970: 231) and Cockrum (1976: 685).

1993. *tunetae:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 167. (Lapsus)

1995. *tunetai:* Pavlinov, Borissenko, Kruskop and Jahonton, Arch. Zool. Mus., Moscow State Univ., 133: 81. (Lapsus)

? *Rhinolophus euryale barbarus:* (Name Combination)

? *Rhinolophus mehelyi mehelyi:* (Name Combination)

? *Rhinolophus mehelyi tuneti:* (Name Combination)

TAXONOMY:
Revised by DeBlase (1972). *euryale* species group (Csorba *et al.*, 2003: 17 - 18; Simmons, 2005: 359). See Csorba *et al.* (2003: 17 - 18) for remarks on taxonomy.

Based on the measurements given by Andersen and Matschie (1904), Puechmaille *et al.* (2012: 216) suggest that *R. barbarus* Andersen et Matschie, 1904 and *R. meridionalis* Andersen et Matschie, 1904 are both synonyms of *R. mehelyi* Matschie, 1901 rather than of *R. euryale* Blasius, 1853.

COMMON NAMES:
Catalonian (Spain): Rat penat mitjá de ferradura. Croatian: Meheljev potkovnjak. Czech: vrápenec Mehelyův. Dutch: Mehely-hoefijzerneus. English: Mehely's Horseshoe bat, Mediterranean Horseshoe Bat. French: Rhinolophe de Méhely, Rhinolophe de Roumanie, Rhinolophe des forêts. German: Mehely-Hufeisennase, Mehely Hufeisennase. Italian: Rinolofo di Méhely, Ferro di cavallo di Méhely. Portuguese: Morcego-de-ferradura-mourisco. Romanian: Liliac-românesc. Russian: Очковый подковонос. Spanish (Castillian): Murciélago mediano de herradura, Rinolofo mediano de herradura.

CONSERVATION STATUS:
Global - The species is declining throughout its range, which is becoming increasingly fragmented. The rate of decline has been estimated as 10 % in the last 10 years in Andalucia (Spain). Elsewhere, declines have not been quantified but appear to have been considerable, with some colonies having been reduced to a fraction of their former size. Overall, declines throughout the global range are thought likely to exceed 30 % over 3 generations (27 years) over a time window including both the past and the future. The species is going extinct in France and is declining in Morocco due to disturbance in caves. The species only roosts in caves and does not use artificial roosts. Hence the species is listed as Vulnerable (VU A4c ver 3.1 (2001)) (Hutson *et al.*, 2008n; IUCN, 2009).

Assessment History -
2008 - VU A4c ver 3.1 (2001) (Hutson *et al.*, 2008n; IUCN, 2009). 1996 - VU A2c ver 2.3 (1994) (Baillie and Groombridge, 1996).

MAJOR THREATS:
Rhinolophus mehelyi is affected by disturbance and loss of underground habitats, changes in foraging habitats, and destruction of caves by tourism. Mortality due to collision with cars is a problem in some areas (e.g., Portugal). The reasons for the declines are not fully understood (Hutson *et al.*, 2008n; IUCN, 2009).

According to Sherwin *et al.* (2012: 174), climatic change will have an inportant impact due to the following risk factors: its small range, roosting in caves or trees, its water stress and aerial hawking feeding style.

Roost loss or disturbance, and habitat degradation or loss are considered the major threats for this species by Sagot and Chaverri (2015: 1670).

CONSERVATION ACTIONS:
Hutson *et al.* (2008n) [in IUCN (2009)] reported that *Rhinolophus mehelyi* is protected by national legislation in all European range states. There are also international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern

Convention where those apply. It is included in Annex II (and IV) of EU Habitats and Species Directive, and hence equires special measures for conservation including designation of Special Areas for Conservation. There is some habitat protection through Natura 2000 (some roosts are already protected by national legislation). An EU-LIFE funded project aims to ensure the long-term conservation of the large populations of cave and forest-dwelling bats, including this species, in Spain. There are no specific conservation measures in place in North Africa. Research is required on the causes of the declines across the range.

GENERAL DISTRIBUTION:
Rhinolophus mehelyi is largely restricted to the Mediterranean. It has a discontinuous distribution from north Africa (Morocco, Algeria, Tunisia and Egypt) and southern Europe (southern Portugal and Spain, possibly one occurrence in France, a few places in Italy and the Balkans) through Asia Minor, Anatolia, to Transcaucasia, Iran and Afghanistan (where its exact roost location is not known: Srinivasulu et al., in press). It is patchily distributed in some large and vulnerable colonies. It occurs up to 2,000 m in High and Saharan Atlas mountains, although it is typically found at lower altitudes in other parts of its range (e.g. in Spain it tends to occur below 700 m).

Native: Afghanistan; Algeria (Horácek *et al.*, 2000: 102); Armenia; Azerbaijan; Bosnia and Herzegovina; Bulgaria; Cyprus; Egypt; Georgia; Gibraltar; Greece; Iran, Islamic Republic of; Iraq; Israel; Italy (Sardegna, Sicilia); Jordan; Libyan Arab Jamahiriya; Macedonia, the former Yugoslav Republic of; Mediterrranean islands; Moldova; Montenegro; Morocco (El Ibrahimi and Rguibi Idrissi, 2015: 359); Palestinian Territory, Occupied; Portugal; Romania; Russian Federation; Serbia; Slovenia; Spain; Syrian Arab Republic; Tunisia (Dalhoumi *et al.*, 2016b: 867); Turkey; Yugoslavia.
Regionally extinct: Croatia.
Presence uncertain: France.

ECHOLOCATION:
Jones and Siemers (2010: 450) indicate that juveniles emit lower frequencies than adults, and that the CF-frequency is positively related to the body condition (mass/forearm length). Puechmaille *et al.* (2014b: 4) demonstrated that the body length and weight for bats caught during the mating season showed a strong positive correlation (which was significant) with the peak frequency in both sexes: larger and heavier bats call at higher frequencies. Females clearly show a preference for higher calling males, and the latter have a larger offspring. Puechmaille *et al.* (2014b: 6) also found that the distribution of the echolocation frequencies was not normally distributed in adults, but left-skewed (meaning that there are more individuals calling at higher frequencies). Furthermore (p. 7), they indicate [referring to Jones and Ransome (1993)] that the peak frequency in horseshoe bats increases with about 0.45 kHz during the first year and an average reduction of 0.09 kHz per year occurs over their lifetime.

For 16 Greek specimens, Papadatou *et al.* (2008b: 132) report a start frequency of 96.2 ± 7.06 kHz, a terminating frequency of 90.3 ± 2.16 kHz, a peak frequency of 109.5 ± 1.44 kHz, and a bandwidth of 5.1 ± 2.62 kHz. The duration of the call is 35.9 ± 12.04 msec, and the interpulse interval is 62.5 ± 23.92 msec.
Walters *et al.* (2012: suppl.) presen the following figures for 41 calls from Bulgarian bats: duration: 27.73 ± 7.12 msec, F_{max}: 108.59 ± 1.51 kHz, F_{min}: 92.61 ± 4.73 kHz, bandwidth: 15.98 ± 4.44 kHz, F_{peak}: 107.78 ± 2.74 kHz. Tunisian bats emitted sounds at 106.11 ± 1.31 kHz (111.5 - 117.5 kHz; Dalhoumi *et al.*, 2016b: 866).

Schuchmann *et al.* (2012: 161) found that both sexes were able to recognize the sex of conspecifics from their echolocation calls.

MOLECULAR BIOLOGY:
DNA - Unknown.

Karyotype - Đulic and Soldatovic (1969) and Rushton (1970 463) reported 2*n* = 58, FN = 64, a submetacentric X chromosome, and an acrocentric Y chromosome. While Baker *et al.* (1974; 1975) reported FN = 60 and BA = 4. Volleth *et al.* (2002: 483) and Volleth and Eick (2012: 166) report 2*n* = 58 and a segment number [= autosomal segments + X] of 44. Arslan and Zima (2014: 8) indicate that different numbers of bi-armed auosomes have been reported, leading to FNa values between 60 and 64.
Đulic and Soldatovic (1969: 5) also reported the type of the autosomes as 4 metacentric, 2 small-sized and 24 acrocentric.

Protein / allozyme - Unknown.

HABITAT:
In south-western Spain, Russo *et al.* (2005: 327) found that *R. meheyli* least preferred open habitats, but was frequently found in a semi-natural oak savanna habitat. Salsamendi *et al.* (2012a: 122) pointed out that this was in an area where both *R. mehelyi* and *R. euryale* occurred, and they reported that *R. mehelyi*, in another area, always foraged in woodlands, preferably in cluttered spaces, but also in less-clutttered/more-open ones, and was avoiding open spaces. They

also indicated that the bats foraged generally less than 500 m from water bodies. The bats were using linear landscape elements (tree lines and riparian forests) to travel from their roosts to their feeding areas. Salsamendi *et al.* (2012a: 129) also indicated that habitat types used by males and females in south-western Spain were different: males foraged in riparian forest and broad-leaved woodlands, whereas females foraged in dehesa, scrubland and eucalypt plantations.

HABITS:
Kameneva (1976) [in Pervushina *et al.* (2012: 750)] found that among captive *R. mehelyi* individuals, conflicts took place during foraging flights, although they were primarily friendly or neutral to one another when resting during the day.

ROOST:
Based on data from Sardinia, Russo *et al.* (2014: 9) rule out that *R. euryale* and *R. mehelyi* compete for roosting sites.

DIET:
In the Iberian Peninsula, Salsamendi *et al.* (2009: 282) report that Lepidoptera form the most important prey category for this species (from 51.3 to 100.0 volume percent; 90.9 to 100.0 occurrence percentage), followed by Neuroptera, Diptera, Coleoptera, Hemiptera and undefined items. In Iran, Lepidoptera also form the dominant food item, followed by scarabaeid beetles and muscid dipterans (see Benda *et al.*, 2012a: 247).

In the southwestern Iberian peninsula, Arrizabalaga-Escudero *et al.* (2018: Suppl.) identified the following food items from faecal samples of *R. mehelyi* (food items marked with an asterisk were also found in faecal samples of *R. euryale*): Coleoptera (Cerambycidae: *Arhopalus ferus* (Mulsant, 1839)*); Diptera (Tachinidae: unidentified*; Anthomyiidae: *Hylemya* sp.; Muscidae: *Neomyia cornicina* (Fabricius, 1781); Calliphoridae: *Pollenia vagabunda* (Meigen, 1826)); Lepidoptera (Blastobasidae: *Blastobasis phycidella* (Zeller, 1839); Cosmopterigidae: *Eteobalea intermediella* (Riedl, 1966); Crambidae: *Calamotropha paludella* (Hübner, 1824)*; *Ostrinia nubilalis* (Hübner, 1796)*; *Udea ferrugalis* (Hübner, 1796); Erebidae: *Catocala nymphagoga* (Esper, 1787)*; Gelechiidae: *Teleiopsis* sp.*; Geometridae: *Camptogramma bilineata* (Linnaeus, 1758)*; *Ennomos quercaria* (Hübner, 1813)*; *Pachycnemia hippocastanaria* (Hübner, 1799)*; *Rhoptria asperaria* (Hübner, 1817)*; Lasiocampidae: *Malacosoma neustria* (Linnaeus, 1758); Lecithoceridae: *Eurodachtha canigella* (Caradja, 1920); Noctuidae: *Agrotis segetum/trux**; *Agrotis ipsilon* (Hufnagel, 1766)*; *Autographa gamma/pulchrina**; *Calophasia platyptera* (Esper, [1788])*; *Heliothis incarnata* Freyer, 1838; *Mythimna albipuncta* (Denis & Schiffermüller, 1775)*; *Mythimna vitellina* (Hübner, 1808); *Mythimna loreyi/sicula**; *Peridroma saucia* (Hübner, 1808)*; *Polyphaenis sericata* (Esper, 1787)*; *Sesamia nonagrioides* (Lefèbvre, 1827)*; Praydidae: *Prays fraxinella* Bjerkander, 1784*; Pterophoridae: *Crombrugghia laetus* (Zeller, 1847); *Emmelina monodactyla* (Linnaeus, 1758); *Stenoptilia zophodactyla* Duponchel, 1840; Pyralidae: *Pempelia palumbella* (Denis & Schiffermüller, 1775)*; Tortricidae: *Archips xylosteana* (Linnaeus, 1758); *Cnephasia* sp. 1*; *Cnephasia* sp. 2*; Yponomeutidae: *Zelleria oleastrella* (Millière, 1864); Neuroptera (Hemerobiidae: *Wesmaelius nervosus* (Fabricius, 1793); Chrysopidae: *Chrysoperla* sp.*; Myrmeleontidae: *Distoleon tetragrammicus* (Fabricius, 1798)*). Of the 64 prey taxa, 32 (representing over 75 % of all food items) were consumed by both *R. mehelyi* and *R. euryale*.

Benda *et al.* (2014c: 33) analysed 22 faecal pellets from Wadi Darnah (Libya) and found these to consist primarily of Blattoidea (99.1 % by volume) and 0.9 % of Lepidoptera.

POPULATION:
Structure and Density - Hutson *et al.* (2008n) [in IUCN (2009)] indicate that *Rhinolophus mehelyi* is an infrequent species, which is reported to have declined in all parts of its range for which data are available. In Andalucia (Spain), the rate of decline has been estimated at 10 % over the last ten years. The species is close to extinction in France (Rodrigues and Palmeirim, 1999), Romania (Botnariuc and Tatole, 2005), and north-east Spain (J. Juste and T. Alcalde *pers. Comm.,* 2006). In France, only one individual was recorded in 2004 (S. Aulagnier *pers. Comm.,* 2006), and in Romania the population was estimated at 5,000 in the 1950s, but now numbers approximately 100 (Dumitrescu *et al.*, 1962-3, Botnariuc and Tatole, 2005). It is also declining in southern Spain (Franco and Rodrigues de los Santos, 2001), Portugal (Rodrigues *et al.*, 2003), the Russian Federation (K. Tsytsulina *pers. Comm.,* 2005), Georgia, and Morocco (SW Asia Workshop 2005). In Iran mixed-species colonies including *R. mehelyi*, which in the 1970s were estimated to be over 10,000 individuals, now only number a few hundred individuals (M. Sharifi *pers. obs.,* 2005). Summer nursery colonies typically number 30 - 500 individuals (although colonies of up to 3,000 individuals have been recorded, separated in smaller groups within the same cave). Winter clusters consist of up to 5,000 animals.
Trend - 2008 - Decreasing (Hutson *et al.*, 2008n; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Benda *et al.* (2014c: 30) captured a lactating female on 15 May at Wadi Darnah (Libya).

MATING:
Puechmaille *et al.* (2011: 40-41) found that during the mating season, females prefer males with higher frequency calls, indicating that this high frequency is probably a signal of good body condition.

POSTNATAL DEVELOPMENT:
In western Iran, Sharifi (2004: 155) determined that Fa and body mass followed a linear pattern of growth until day 14 (resp. 1.55 mm/day and 0.58 g/day) and subsequently decreased to reach a stable level. The length of the gap of the metacarpal-phalangeal joint showed an increase up to 10 days and decreased until it had closed at over 55 days. At about four weeks of age, the young started to fly.

PARASITES:
Beaucournu and Kock (1996) report the presence of the flea *Rhinolophopsylla unipectinata arabs* Jordan and Rothschild, 1921 on specimens from Algeria.

Benda *et al.* (2014c: 33) recorded the following parasites from Libyan *R. mehelyi*:
Ischnopsyllidae: *Rhinolophopsylla unipectinata arabs* Jordan and Rothschild, 1921,
Nycteribiidae: *Phthiridium biarticulatum* (Hermann, 1864),
Streblidae: *Brachytarsina flavipennis* Macquart, 1851

The following ectoparasites were found on Algerian bats by Bendjeddou *et al.* (2017: 15): Nycteribiidae: *Nycteribia (Nycteribia) pedicularia* Latreille, 1805 and *Phthiridium biarticulatum* Hermann, 1804; Streblidae: *Brachytarsina (Brachytarsina) flavipennis* Macquart, 1851; and Arachnida: *Spinturnix myoti* (Kolenati, 1856) and *Eyndhovenia euryalis* (G. Canestrini, 1885).

From Iran, Sharifi *et al.* (2013: 181) mention the presence of the following ectoparasites: *Eyndhovenia* sp. (Acari: Spinturnicidae; on 89.65 % of the 87 bats examined, with 13.79 ind/bat, primarily on wing and tail membranes), *Penicillidia* sp. (Diptera: Nycteribiidae; 66.66 %, 2.31, mainly on fur) and one species from Streblidae (Diptera; 11.49 %, 1.80, on all parts of the body).

In Azerbaijan, Duszynski (2002: 6) mentions *Eimeria mehelyi* Musaev and Gauzer, 1971 as parasite.

VIRUSES:
Coronaviridae - Coronaviruses
Luis *et al.* (2013: suppl.) mention the presence of a SARS coronavirus-related virus.

Alphacoronavirus
This virus was reported from Germany by Kohl and Kurth (2014: 3112).
Betacoronavirus
Kohl and Kurth (2014: 3112) report this virus from Bulgaria and Germany.

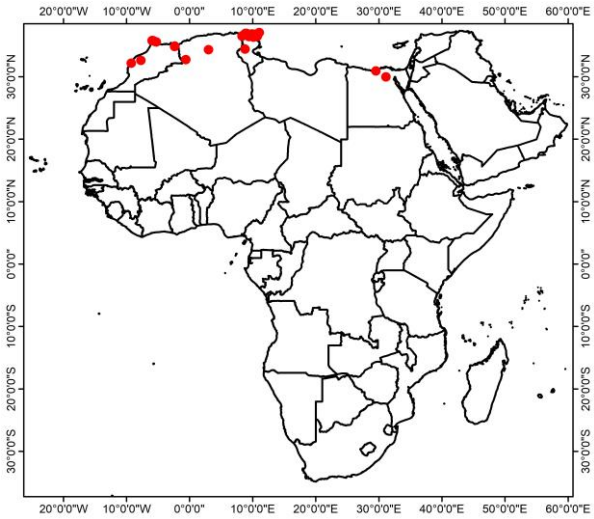

Figure 102. Distribution of *Rhinolophus mehelyi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Algeria, Egypt, Morocco, Tunisia.

Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

*2012. *Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, PLoS ONE, 7(9): 19. Publication date: 12 September 2012. Type locality: Mozambique: Nissa Game Reserve: Maputo Camp [121056S 373300E, 489 m] [Goto Description]. Holotype: DNSM 8578: ♂, skull and alcoholic. Collected by: Dr. Ara Monadjem; collection date: 1 July 2006. Baculum; skull and mandible in good condition (Taylor *et al.*, 2012c: 19). Paratype: DNSM 11276: ad ♀, skull and alcoholic. Paratype: DNSM 8577: ad ♀, skull and alcoholic. Paratype: DNSM 8579: ad ♂, skull and alcoholic. Baculum. Paratype: DNSM 8580: ad ♂, skull and alcoholic. baculum. - Etymology: The name denotes the country of origin (Mozambique) of the type specimen of this species (Taylor *et al.*, 2012c: 20). (Current Combination)

TAXONOMY:
Based on mitochondrial and nuclear DNA sequences and morphological and morphometric data, Taylor *et al.* (2012c) found that the *Rhinolophus hildebrandtii* group includes more species than previously recognized.

Carr *et al.* (2017) performed some additional analyses, which confirmed that *R. mossambicus* forms a well-defined clade based on mtDNA, but based on nuclear DNA, however, this taxon groups with *R. fumigatus* from Namibia.

COMMON NAMES:
English: Mozambican Horseshoe Bat. German: Mossambique-Hufeisennase.

GENERAL DISTRIBUTION:
Based on genetic data, the species is known from five localities in Mozambique from altitudes of 1,500 m - Chinizuia Forest, Gerhard's Cave, Gorongosa Caves, Namapa, Niassa Game Reserve and one locality, Lutope-Ngolangola Confluence in NW Zimbabwe. These scattered records across the subregion suggest that *R. mossambicus* is widespread across the savanna biome of Zimbabwe and Mozambique (Taylor *et al.*, 2012c: 20).

PARASITES:
DIPTERA:
Streblidae: *Raymondia aspera* Maa, 1968 (Shapiro *et al.*, 2016: 254). *Raymondia waterstoni* Jobling, 1931 (Shapiro *et al.*, 2016: 256).

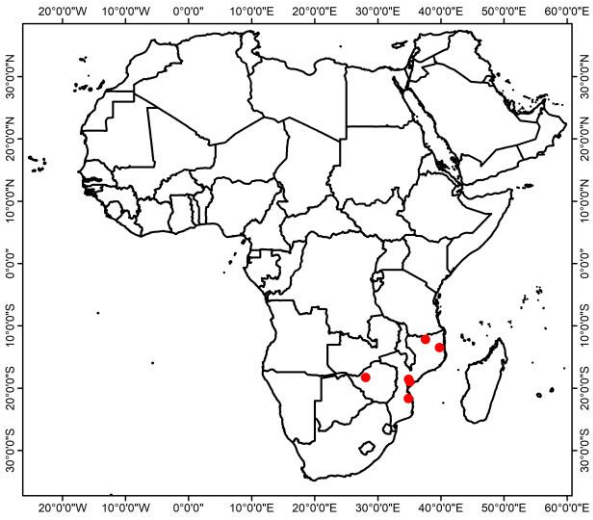

Figure 103. Distribution of *Rhinolophus mossambicus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Mozambique, Zimbabwe.

Rhinolophus rhodesiae Roberts, 1946

1946. *Rhinolophus swinnyi rhodesiae* Roberts, Ann. Transv. Mus., 20 (4): 304. Type locality: Zimbabwe: Limpopo valley: Bezwe river: a tributary of the Wanetsi (? Nuanetsi) River [ca. 21 22 S 30 45 E] [Goto Description]. Holotype: TM 1325: ad ♀. Collected by: Austin Roberts; collection date: 19 August 1913. - Etymology: The name refers to Southern Rhodesia (currently Zimbabwe), the country where the type specimen was collected.

ECHOLOCATION:
Taylor *et al.* (2018: 21) mention a peak frequency ranging from 99 to 102 kHz for eight bats from the Malashane cave (Mozambique).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Malawi, Mozambique, South Africa, Tanzania, Zambia, Zimbabwe.

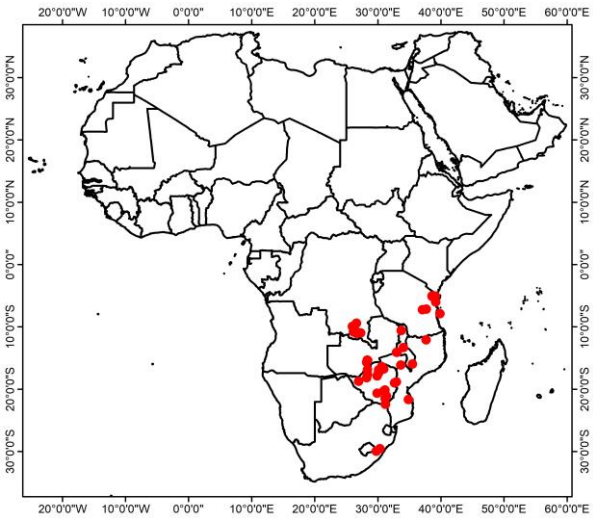

Figure 104. Distribution of *Rhinolophus rhodesiae*

Rhinolophus ruwenzorii J. Eric Hill, 1942

*1942. *Rhinolophus ruwenzorii* J. Eric Hill, Am. Mus. Novit., 1180: 1, fig. 1. Publication date: 28 July 1942. Type locality: Congo (Democratic Republic of the): Kivu province: W slope of Mount Ruwenzori: Buhatu valley [00 22 N 29 44 E,, 7 500 ft] [Goto Description]. Holotype: AMNH 82394: ad ♀, skull and alcoholic. Collected by: James Paul Chapin, Dewitt L. Sage, Frank P. Mathews and The Ruwenzori-Kivu Expedition; collection date: 24 December 1926. - Comments: Fahr *et al.* (2002: 99) mention "S-side of Butahu Valley, 2286 m, W slope Rwenzori Mts., Congo (K.)." as type locality. - Etymology: Referring to the Ruwenzori mountains, where the type specimen was collected. (Current Combination)

? *Rhinolophus maclaudi ruwenzorii:* (Name Combination)

TAXONOMY:
Included in *maclaudi* by Koopman (1993a: 167), see Smith and Hood (1980: 170); but see Fahr *et al.* (2002), Csorba *et al.* (2003: 65 - 66) and Simmons (2005: 362).

COMMON NAMES:
Czech: vrápenec ruwenzorijský. English: Ruwenzori Horseshoe bat. French: Rhinolophe du Ruwenzori. German: Ruwenzori-Hufeisennase.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU B1a+2b(ii,iii,iv,v) ver 3.1 (2001)) because its extent of occurrence is less than 20,000 km^2, it is known from fewer than ten locations, and there is continuing decline in the extent and quality of its montane forest habitat, and probable loss of colonies through disturbance of roosting sites (Fahr, 2008m; IUCN, 2009).

Assessment History -
2008 - VU B1a+2b(ii,iii,iv,v) ver 3.1 (2001) (Fahr, 2008m; IUCN, 2009). 2004 - VU A4c; B1ab(iii) ver 3.1 (2001) (Fahr, 2004d; IUCN, 2004); and assessed as *R. hilli* by Fahr (2004f).

MAJOR THREATS:
Rhinolophus ruwenzorii is threatened by the deforestation of its montane habitat, generally through logging and mining activities, and the conversion of forest to farmland. It is dependent on cave habitats for roosting, and it is likely that disturbance of these sites could be an important threat to the species. It may be threatened by overharvesting for subsistence food, and while this needs to be fully confirmed populations are vulnerable to direct exploitation (Fahr, 2008m; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008m) [in IUCN (2009)] reported that *Rhinolophus ruwenzorii* has been recorded from some protected areas, such as the Mount Ruwenzori National Park. There is a need to reduce levels of deforestation within the Albertine Rift region as a whole. There is a need to initiate and develop public awareness programmes in the region, and to reduce the disturbance of roosting localities. Further field surveys are needed to locate additional population of this species.

GENERAL DISTRIBUTION:
Rhinolophus ruwenzorii is restricted to the mountains of the Albertine Rift, where it has been recorded from the countries of the eastern Democratic Republic of the Congo, western Uganda, and Rwanda, at elevations of 1,666 to 2,666 m asl. The distribution includes the Ruwenzori Mountains, Kivu Region and Kibali-Ituri-Forest, Bwindi-Impenetrable Forest and Mutura in northwestern Rwanda (Fahr *et al.*, 2002). Eastern Democratic Republic of the Congo, Western Uganda.

Native: Congo (The Democratic Republic of the) Kityo and Kerbis (1996: 60); Rwanda (Fahr *et al.*, 2002); Uganda Kityo and Kerbis (1996: 60).

POPULATION:
Structure and Density - This species is known only from 36 specimens collected from 13 localities, these total only eight distinct locations (Fahr, 2008m; IUCN, 2009).
Trend - 2008 - Decreasing (Fahr, 2008m; IUCN, 2009).

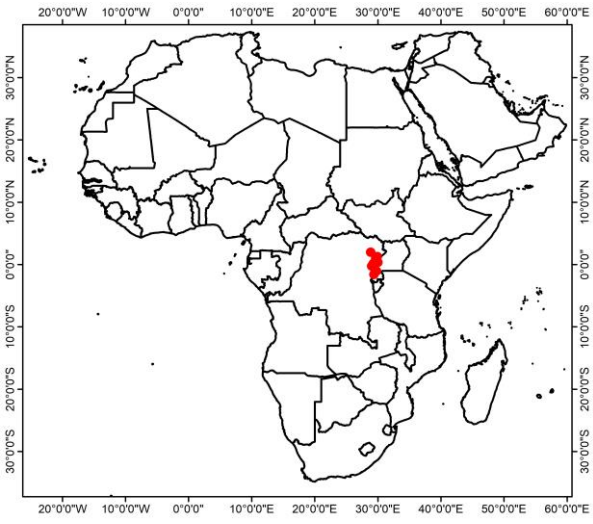

Figure 105. Distribution of *Rhinolophus ruwenzorii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Congo (Democratic Republic of the), Rwanda, Uganda.

Rhinolophus sakejiensis Cotterill, 2002

*2002. *Rhinolophus sakejiensis* Cotterill, J. Zool., Lond., 256: 166, figs. 2a, 3, 4a, 5a, 6a, 7a. Type locality: Zambia: Mwinilunga district; Ikelenge Pedicle: btw Sakeji/Zambezi rivs,c.11 km NNE source Zambezi: Kavunda [11 17 S 24 21 E, 1 388 m] [Goto Description]. Holotype: NHMZ 29153: ad ♂, skull and alcoholic. Collected by: F.P.D. [=Woody] Cotterill; collection date: 11 October 1990; original number: FWC 1090. Baculum extracted. Paratype: HZM 1.32236: ad ♂, skull and alcoholic. Collected by: F.P.D. [=Woody] Cotterill; collection date: 11 October 1990; original number: FWC 1092. Baculum extracted. Paratype: NHMZ 29154: sad ♂, skull and alcoholic. Collected by: F.P.D. [=Woody] Cotterill; collection date: 11 October 1990; original number: FWC 1091. Baculum extracted. (Current Combination)

TAXONOMY:
Cotterill (2002b: 5) considers it a member of the *ferrumequinum* species group, and is followed by Simmons (2005: 362). See Csorba *et al.* (2003: 132 - 133) for remarks on taxonomy.

COMMON NAMES:
Czech: vrápenec sakežianský. English: Sakeji Horseshoe bat. French: Rhinolophe de Sakeji. German: Sakeji-Hufeisennase.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) since it has only recently been discovered, and there is still very little information on its extent of occurrence, ecological requirements and threats (Cotterill, 2008a; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Cotterill, 2008a; IUCN, 2009). 2004 - DD ver 3.1 (2001) (IUCN, 2004; Cotterill, 2004c).

MAJOR THREATS:
The threats to *Rhinolophus sakejiensis* are not well known, but it is presumably threatened by the loss of roosting sites resulting from logging and the conversion of suitable habitat to agricultural use (Cotterill, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:
Cotterill (2008a) [in IUCN (2009)] reported that it is not known if *Rhinolophus sakejiensis* is present in any protected areas. Further surveys are needed to better determine the extent of the distribution of this species, to gather more information on the species natural history, and to review the threats to this species.

GENERAL DISTRIBUTION:
Rhinolophus sakejiensis is known only from the type locality of Kavunda, between the Sakeji and Zambezi rivers: c. 11 km north-north-east of the source of the Zambezi River in the Ikelenge Pedicle, Mwinilunga District of north-west Zambia (Cotterill, 2002a). It is likely that the species is also present within similar suitable habitat in Angola and the Congo basin (Cotterill, 2002a).

Native: Zambia (Monadjem *et al.*, 2010d: 560).

POPULATION:
Structure and Density - *Rhinolophus sakejiensis* is currently known only from the type collection of three bats, taken from a cluster of six roosting bats (Cotterill, 2008a; IUCN, 2009).
Trend - 2008 - Unknown (Cotterill, 2008a; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Zambia.

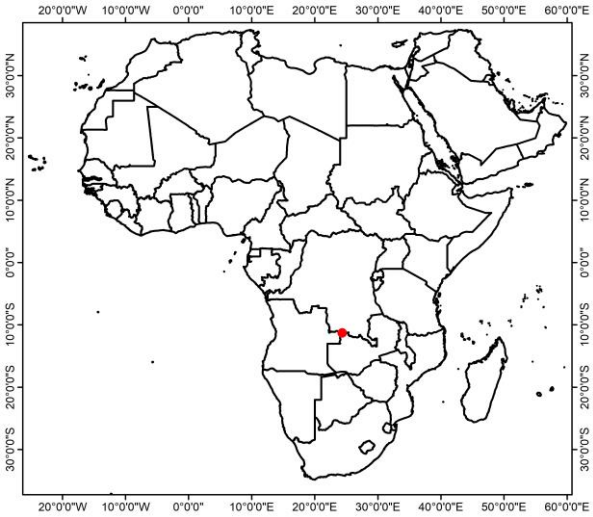

Figure 106. Distribution of *Rhinolophus sakejiensis*

Rhinolophus silvestris Aellen, 1959

*1959. *Rhinolophus silvestris* Aellen, Archs Sci. Genève, 12 (2): 228. Type locality: Gabon: Lastourville: N'Dumbu cave [ca. 00 50 S 12 03 E] [Goto Description]. Holotype: MHNG 965.040: ad ♂, alcoholic (skull not removed). Collected by: Pierre Strinati and Villy Aellen; collection date: 4 August 1957. - Etymology: From the Latin for forest dweller (see Flannery, 1995a: 321). (Current Combination)
2016. *Rhinolophus sylvestris:* Karadjian, Hassanin, Saintpierre, Gembu Tungaluna, Ariey, Ayala, Landau and Duval, PNAS, 113 (35): 9835. Publication date: 30 August 2016. (Lapsus)
? *Rhinolophus clivosus silvestris:* (Name Combination)

TAXONOMY:
Considered a subspecies of *clivosus* by Hayman and Hill (1971: 23), but Barratt *et al.* (1995: 386), Cotterill (2002a), Csorba *et al.* (2003: 46 - 48) and Simmons (2005: 363), which indicate the relationships of *Rhinolophus deckeni* and *R. silvestris* are unclear, with the forms possibly being conspecific. Considered part of the *ferrumequinum* species group (Cotterill, 2002a; Csorba *et al.*, 2003: 46 - 48; Simmons, 2005: 363).

COMMON NAMES:
English: Forest Horseshoe Bat. French: Rhinolophe sylvestre. German: Wald-Hufeisennase.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Cotterill, 2008b; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Cotterill, 2008b; IUCN, 2009). 2004 - VU B2ab(iii) ver 3.1 (2001) (Cotterill, 2004g; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
Rhinolophus silvestris is considered to be threatened by habitat loss through conversion of land to agricultural use and logging operations. Additional threats include general disturbance of cave roost sites and overharvesting of the species for the bushmeat trade (Cotterill, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Cotterill (2008b) [in IUCN (2009)] reported that *Rhinolophus silvestris* does not appear to have been recorded from any protected areas. An additional examination of the taxonomic relationship between this species and *Rhinolophus deckeni* is needed. Further field surveys are needed to better determine the distribution, natural history and the extent of threats to this little-known bat.

GENERAL DISTRIBUTION:
Rhinolophus silvestris a poorly known species has only been recorded from three localities in Gabon (Benga; Belinga; and the type locality of Dumbu Cave, Latoursville), and a single site in Congo (Meya-Nzouari).

Native: Congo (Bates *et al.*, 2013: 335); Gabon.

POPULATION:
Structure and Density - *Rhinolophus silvestris* is usually found in small colonies of fewer than 20 bats. It is believed to be in overall decline (Cotterill, 2008b; IUCN, 2009).
Trend - 2008 - Decreasing (Cotterill, 2008b; IUCN, 2009).

PARASITES:
Adam and Landau (1973a: 5) report on the presence of a protozoan parasite of the genus *Polychromophilus* (Haemoproteidae) in *R. clivosus sylvestris*. About 50 % of the specimens from Congo they examined, were found to be infected. Gametocytes were found year-round. The bats were also infested by the nycteribiids *Penicillidia fulvida* Bigot, 1885 and *Nycteribia schmidlii scotti* Falcoz, 1923, of which the prior was a major carrier of *Polychromophilus* sporozoites.

The Haemosporidan *Nycteria gabonensis* Rosin, Landay & Hugot, 1978 was reported by Perkins and Schaer (2016: Suppl.; Karadjian *et al.* (2016: 9835) from the Republic of Congo and Gabon.

Justine (1989a: 334; 1989b: 553) described two new stomach parasites: *Capillaria chabaudi* and *Capillaria gabonensis* (Nematoda) from *R. silvestris* from Belinga (Gabon).

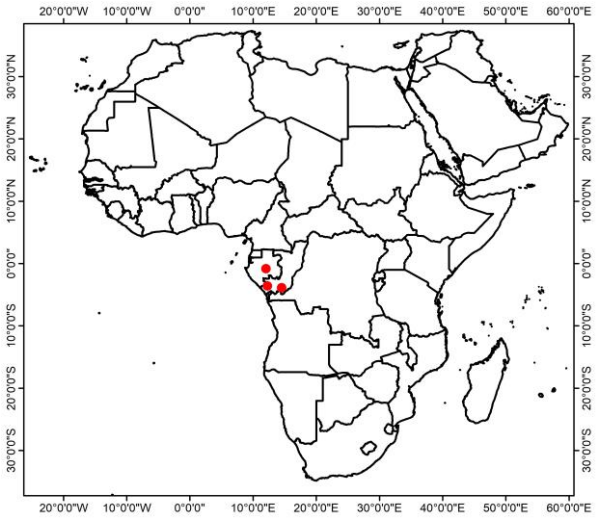

Figure 107. Distribution of *Rhinolophus silvestris*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo, Gabon.

Rhinolophus simulator K. Andersen, 1904

*1904. *Rhinolophus simulator* K. Andersen, Ann. Mag. nat. Hist., ser. 7, 14 (83): 384. Publication date: 1 November 1904. Type locality: Zimbabwe: Mashonaland: Mazoe [17 30 S 31 03 E, 4 000 ft] [Goto Description]. Holotype: BMNH 1902.2.7.10: ad ♂, alcoholic (skull not removed). Collected by: J.ff. Darling Esq. - Etymology: From the masculine Latin substantive *simulàtor*, meaning "simulator", as *R. simulator*, according its descriptor, "[...] by quite superficial inspection, could be taken for a curiously small and long-tailed form of [*R. capensis*]." (see Lanza *et al.*, 2015: 115). (Current Combination)

1914. *Rhinolophus bembanicus* Senna, Annuario Mus. Zool. R. Univ. Napoli, (2) 4: no 9, p. 1, 2, text-fig 1, 2. Publication date: 27 March 1914. Type locality: Zimbabwe: Lake Bengueolo [=Lake Bangweulu]. - Comments: Ansell and Dowsett (1988: 34) indicate that *bembanicus* might represent a separable species, but the type specimen no longer exists.

1936. *Rhinolophus alcyone alticolus* Sanborn, Field Mus. Nat. Hist., Zool. Ser., (362) 20 (14): 108. Publication date: 15 August 1936. Type locality: Cameroon: Mount Cameroon [04 13 N 09 11 E, 5 800 ft] [Goto Description]. Holotype: FMNH 42596: ad ♀. Collected by: Rudyerd Boulton and Laura Boulton; collection date: 2 July 1934; original number: 53. - Comments: Fahr (2007a: 103) refers to Csorba *et al.* (2003), who indicate that *alticolus* might possibly represent a separate species.

? *Rhinolophus alticolus:*

? *Rhinolophus simulator alticolus:* (Name Combination)

? *Rhinolophus simulator simulator:* (Name Combination)

TAXONOMY:

Figure 108. *Rhinolophus simulator* from Beneve mine, KwaZulu Natal, South Africa.

Includes *alticolus* and *bembanicus* (see Koopman, 1975: 387; Hayman and Hill, 1971: 25; Koopman, 1993a: 169; Simmons, 2005: 363). Considered part of the *capensis* species group (Csorba *et al.*, 2003: 10 - 12; Simmons, 2005: 363).

Monadjem *et al.* (2016y: 366) refer to Csorba *et al.* (2003), who indicated that *alticolus* might represent a separate species, as their specimens from the Mount Nimba area are about 2,000 km from the nearest records in Nigeria and Cameroon, which, in turn, are again thousands of kilometers from the main distribution area. However, they still retain *alticolus* as a subspecies of *simulator*.

COMMON NAMES:

Afrikaans: Bosveldsaalneusvlermuis,

Bosveldvlermuis. English: Bushveld Horseshoe Bat. French: Rhinolophe de brousse, Rhinolophe du Veld, Rhinolophe du Bushveld. German: Buschveld-Hufeisennase. Italian: Rinòlofo sirnulatóre, Fèrro di cavàllo simulatóre. Portuguese: Morcego ferradura das savanas.

ETYMOLOGY OF COMMON NAME:
The colloquial name refers to its occurrence in savanna woodland in the subregion (see Taylor, 2005).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
R. simulator may be present in the late Holocene at Nkupe, South Africa (Avery, 1991: 6).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008ao; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008ao; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004al; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Jacobs *et al.*, 2016l). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
Rhinolophus simulator is threatened in parts of its range by cave disturbance and the loss of habitat resulting from the conversion of land to agricultural use and mining operations (Jacobs *et al.*, 2008ao; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008ao) [in IUCN (2009)] reported that there appear to be no direct conservation measures in place. In view of the species East African and southern African distribution, it seems likely that it is present in some protected areas.

GENERAL DISTRIBUTION:
Rhinolophus simulator is widely distributed in sub-Saharan Africa. There are records in West Africa from the Wonegizi Mountains and Mount Nimba (Guinea and Liberia), and from central Nigeria. In Central Africa it has been reported from Cameroon. In East Africa there are many more records, with the species being reported from as far north as Ethiopia and southern Sudan, ranging southwards through Uganda, Kenya and Tanzania to Zambia, Malawi, Mozambique, Zimbabwe, eastern South Africa, Swaziland and southern Botswana. In South Africa, its distribution is strongly associated with the amount of precipitation in the warmest quarter of the year (Babiker Salata, 2012: 49).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 855,537 km^2.

Native: Botswana (Skinner and Smithers, 1990; Csorba *et al.*, 2003: 12; Monadjem *et al.*, 2010d: 560); Cameroon (Rosevear, 1965; Csorba *et al.*, 2003: 12); Côte d'Ivoire; Ethiopia (Hill and Morris, 1971; Largen *et al.*, 1974; Csorba *et al.*, 2003: 12); Guinea (Brosset, 1985; Csorba *et al.*, 2003: 12: Denys *et al.*, 2013: 282); Kenya (Koopman, 1975; Aggundey and Schlitter, 1984; Csorba *et al.*, 2003: 12); Liberia; Malawi (Ansell and Dowsett, 1988; Happold *et al.*, 1988; Happold and Happold, 1997b: 818; Csorba *et al.*, 2003: 12; Monadjem *et al.*, 2010d: 560); Mozambique (Smithers and Lobão Tello, 1976: 561; Csorba *et al.*, 2003: 12; Monadjem *et al.*, 2010c: 380); Nigeria (Rosevear, 1965 Happold, 1987; Csorba *et al.*, 2003: 12); South Africa (Ellerman *et al.*, 1953; Taylor, 1998; Rautenbach *et al.*, 1984; Maree and Grant, 1997; Csorba *et al.*, 2003: 11; Monadjem *et al.*, 2010d: 561); Sudan (Koopman, 1975; Csorba *et al.*, 2003: 12); Swaziland (Monadjem, 2005: 6; Monadjem *et al.*, 2010d: 561); Tanzania (Aellen, 1957; Csorba *et al.*, 2003: 12; Stanley and Goodman, 2011: 42; Stanley and Goodman, 2011: 42); Uganda; Zambia (Ansell, 1967; Ansell, 1969; Ansell, 1973; Ansell, 1978; Csorba *et al.*, 2003: 12; Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 561) ; Zimbabwe (Smithers and Wilson, 1979; Csorba *et al.*, 2003: 12; Monadjem *et al.*, 2010d: 561).

ECHOLOCATION:
Jacobs (1996) and Fenton and Bell (1981) reported a maximum frequency of 78 kHz for an individual from Sengwa in Zimbabwe. Monadjem *et al.* (2007a), using an Anabat detector, reported a maximum frequency of 84.1 (± 0.36) kHz for individuals from various localities in Swaziland. Additional parameters from the same country were given by Monadjem *et al.* (2017c: 179): F_{min}: 72.1 ± 2.97 (68.6 - 76.0) kHz, F_{knee}: 83.8 ± 0.18 (83.6 - 84.1) kHz, F_c: 83.4 ± 0.20 (83.7 - 84.2) kHz, and duration: 16.8 ± 4.70 (12.0 - 25.9) msec.

For individuals in South Africa, Taylor (1999b), using a Pettersson D980, reported a maximum frequency at Shongweni of 82.7 (± 0.4) kHz, while Jacobs *et al.* (2007a) reported a peak frequency of 80.6 (± 1.0) kHz (detector type and locality not indicated). Taylor (2000) reported a constant frequency component at 83 kHz.

Mutumi and Jacobs (2013: 108) investigated the peak frequency over the entire distribution range and found that this frequency was not correlated to body size or vegetation index, but in one location (where the mean annual rainfall and temperatures where the highest), they found that the peak frequency was significantly lower. They suggest that this lower frequency was linked with an increased detection range due to the more humid conditions. The resting call frequency was studied by Mutumi *et al.* (2016), who concluded that the acoustic divergence was best predicted by latitude, geography and climate-induced differences in atmospheric attenuation.

Taylor *et al.* (2013b: 19) reported 9 calls from Waterberg, South Africa with the following characteristics: F_{max}: 82.0 ± 0.58 (81.1 - 82.9) kHz, F_{min}: 79.3 ± 1.42 (75.9 - 80.6) kHz, F_{knee}: 80.5 ± 0.46 (79.8 - 81.2) kHz, F_{char}: 81.5 ± 0.47 (80.9 - 82.1) kHz, duration: 12.4 ± 1.71 (9.6 - 14.4) msec. An additional 16 calls from Swaziland had the following parameters: F_{max}: 84.0 ± 0.34 (83.2 - 84.4) kHz, F_{min}: 78.6 ± 3.77 (71.5 - 82.3) kHz, F_{knee}: 83.1 ± 0.83 (80.3 - 83.7) kHz, F_{char}: 83.4 ± 1.20 (79.2 - 84.1) kHz, duration: 13.1 ± 3.66 (7.0 - 18.9) msec.
Linden *et al.* (2014: 40) reported the following parameters from the Soutpansberg range (RSA): F_{min}: 76 - 81 kHz, F_{peak}: 79 - 84 kHz, F_{knee}: 80 - 84 kHz, Slope: 70 - 368 OPS, duration: 7 - 19 msec.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach (1986) reported 2*n* = 58, FN = 60, BA = 4, and submetacentric X and Y chromosomes.
Protein / allozyme - Unknown.

ROOST:
Taylor *et al.* (1999: 70) reported a colony of 50 - 60 bats roosting in the Shongweni Dam tunnel (RSA).

DIET:
From Sudwala (RSA), Jacobs (2000: 201) reported the following proportions of prey: Lepidoptera (57.6 ± 34.9), Coleoptera (18.3 ± 23.0), Isoptera (19.4 ± 29.8), Hymenoptera (1.5 ± 4.1), Diptera (2.2 ± 4.2), Hemiptera (0.2 ± 1.1), Mandotea (0.2 ± 0.7), and unknown (0.6 ± 2.5).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - *Rhinolophus simulator* can be locally common. Colonies may consist of a couple of hundred individuals, although these are often quite fragmented because of the species association with caves for breeding (Jacobs *et al.*, 2008ao; IUCN, 2009).
Trend - 2008 - Decreasing (Jacobs *et al.*, 2008ao; IUCN, 2009).

PARASITES:
Bacteria:
Dietrich *et al.* (2016a: 4) found *Rickettsia* in the faeces of bats from South Africa.

Streblidae:
Brachytarsina africana (Walker, 1849) has a wide distribution in sub Saharan Africa (Haeselbarth *et al.*, 1966: 100). *Raymondia hardyi* Fiedler, 1954 from South Africa (Shapiro *et al.*, 2016: 254). *Raymondia waterstoni* Jobling, 1931 (Haeselbarth *et al.*, 1966: 104; Shapiro *et al.*, 2016: 256).

VIRUSES:
Polyomaviridae
Carr *et al.* (2017) reported two new virsuses from *R. blasii* from Zambia: *Rhinolophus simulator polyomavirus 4* and *Rhinolophus simulator polyomavirus1*, besides the two already known: *Rhinolophus simulator polyomavirus 2* and *Rhinolophus simulator polyomavirus 3*

Reoviridae
Sasaki *et al.* (2016: 2489) retrieved a VP7 type Rotavirus from a Zambian *R. simulator*: RVA/Bat-wt/ZMB/
LUS12-14/2012/G3P[3] (LUS12-14).

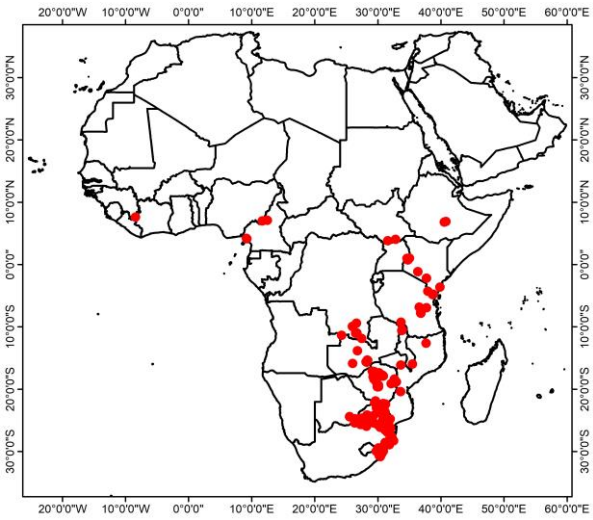

Figure 109. Distribution of *Rhinolophus simulator*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Botswana, Cameroon, Congo (Democratic Republic of the), Ethiopia, Guinea, Kenya, Liberia, Malawi, Mozambique, Nigeria, South Africa, South Sudan, Swaziland, Tanzania, Zambia, Zimbabwe.

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

*2012. *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, PLoS ONE, 7(9): 19. Publication date: 12 September 2012. Type locality: Zimbabwe: Sebungwe: Gokwe Communal Land: Ngolangola Gorge at confluence with Lutope River [181705S 280500E, 1000 m] [Goto Description]. Holotype: NHMZ 33647: ♀, skull and alcoholic. Collected by: F.P.D. [=Woody] Cotterill and Peter John Taylor; collection date: 26 October 2000; original number: FWC 4764. Skull and mandible in good condition(Taylor *et al.*, 2012c: 19). Paratype: NHMZ 33652: ♂, skull and alcoholic. Collected by: F.P.D. [=Woody] Cotterill and Peter John Taylor; collection date: 26 October 2000; original number: FWC 4769. - Etymology: Taylor *et al.* (2012c: 19) selected the specific epithet in recognition of the late Reay Henry Noble Smithers (1907–1987), former Director of the National Museums of Zimbabwe, prodigious collector and researcher of mammals including bats, and author of important regional texts on the mammalogy of Botswana, Zimbabwe and Mozambique, notably his definitive monograph – The Mammals of the Southern African Subregion subsequently updated and revised. The species name combines the surname Smithers and genitive singular case-ending ‘‘i’’ indicative of masculine gender. (Current Combination)

2015. *[Rhinolophus] smthersi:* Kaipf, Rudolphi and Meinig, NABU - Biodiversity Assessment in Kafa, Ethiopia, 13.

TAXONOMY:
Based on mitochondrial and nuclear DNA sequences and morphological and morphometric data, Taylor *et al.* (2012c) found that the *Rhinolophus hildebrandtii* group includes more species than previously recognized.

COMMON NAMES:
English: Smithers's Horseshoe Bat. German: Smithers Hufeisennase.

CONSERVATION STATUS:
Global -

Assessment History
Global - not assessed.

Regional -
South Africa: 2016 - NT D1 ver 3.1 (2001) (Taylor *et al.*, 2016b).

GENERAL DISTRIBUTION:
Known from Lutope-Ngolangola Gorge south of the Zambezi Escarpment in NW Zimbabwe and also from Pafuri in the Limpopo Valley in the foothills of the Soutpansberg Mountains of northern Limpopo Province, South Africa but likely more widespread across savanna woodlands of the Limpopo and Zambezi valleys, and their escarpments (the Gwembe horst, and the Soutpansberg and Waterberg Mountains, respectively) (Taylor *et al.*, 2012c: 19).

Accurate delimitation of this species’ range is subject to further collecting and reappraisal of existing museum material, previously refered to as *R. hildebrandtii*.

Native: South Africa (Taylor *et al.*, 2012c: 19); Zimbabwe (Taylor *et al.*, 2012c: 19).

Kaipf *et al.* (2015: 22) report "*Rhinolophus smithersi* or a new species" from God's Bridge in Ethiopia.

ECHOLOCATION:
For 7 calls from specimens from Blouberg, South Africa, Taylor *et al.* (2013b: 18) recorded the following parameters: Fmax: 45.2 ± 0.17 (44.9 - 45.4) kHz, Fmin: 40.6 ± 1.28 (38.1 - 41.7) kHz, Fknee: 44.7 ± 0.13 (44.5 - 44.8) kHz, Fchar: 44.6 ± 0.13 (44.3 - 44.7) kHz, duration: 34.9 ± 6.69 (26.0 - 46.9) msec. 13 calls from Waterberg resulted in the following parameters: Fmax: 47.8 ± 0.31 (47.0 - 48.4) kHz, Fmin: 45.7 ± 0.91 (44.1 - 44.7) kHz, Fknee: 47.2 ± 0.31 (46.3 - 47.7) kHz, Fchar: 47.3 ± 0.29 (46.4 - 47.7) kHz, duration: 18.2 ± 4.52 (10.9 - 24.8) msec, and 10 calls from Soutpansberg: Fmax: 46.0 ± 0.12 (45.9 - 46.2) kHz, Fmin: 44.8 ± 0.20 (44.4 - 45.0) kHz, Fknee: 45.2 ± 0.07 (45.2 - 45.4) kHz, Fchar: 45.5 ± 0.05 (45.5 - 45.6) kHz, duration: 12.0 ± 2.22 (9.6 - 16.5) msec.

PARASITES:
DIPTERA:
Streblidae: *Ascodipteron brevior* Maa, 1965, female cysts found at the base of the ears from Namibia and South Africa (Haeselbarth *et al.*, 1966: 106 host referred to as *R. hildebrandtii*). *Raymondia hardyi* Fiedler, 1954 from South Africa (Shapiro *et al.*, 2016: 254; based on a record by Theodor (1968), who mentioned "*R. hildebrandtii*" as host).
Nycteribiidae: *Nycteribia scissa rhodesiensis* Theodor, 1957 from Zimbabwe and Malawi (Haeselbarth *et al.*, 1966: 108, host as *R.*

hildebrandtii). *Nycteribia rotundata* Theodor, 1957 from Mazoe, Zimbabwe (Haeselbarth *et al.*, 1966: 110, host referred to as *R. hildebrandtii*). *Penicillidia fulvida* (Bigot, 1885) (Haeselbarth *et al.*, 1966: 114, host referred to as *R. hildebrandtii*).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Botswana, Malawi, Mozambique, South Africa, Zambia, Zimbabwe.

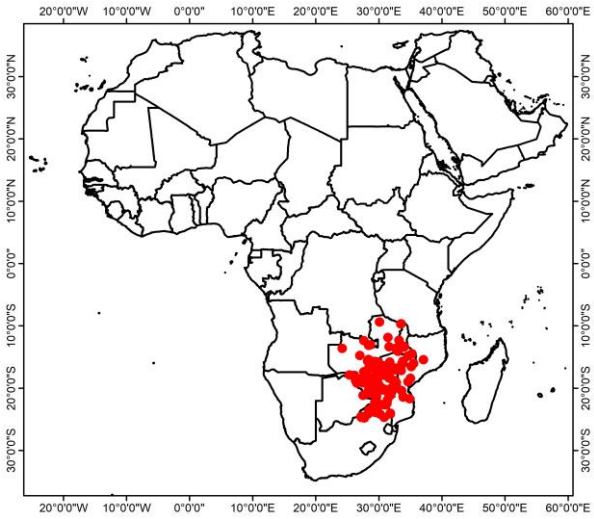

Figure 110. Distribution of *Rhinolophus smithersi*

Rhinolophus swinnyi Gough, 1908

*1908. *Rhinolophus swinnyi* Gough, Ann. Transv. Mus., 1: 71, 2 text-f. Publication date: April 1908. Type locality: South Africa: Cape province: Ngqeleni district: W Pondoland: "Ngqeleni district" [30 40 S 29 02 E] [Goto Description]. Holotype: TM 1021: ad ♂, skin and skull. Collected by: H.H. Swinny; collection date: 22 February 1908; original number: 153. Paratype: TM 1022: ad ♂, skin and skull. Collected by: H.H. Swinny; collection date: 23 February 1908; original number: 154. Notes: skull found lying loose- may not belong to this specimen [signed A. Roberts]). - Comments: Meester *et al.* (1986: 41) mentioned the type locality as "Ngqeleni district, west of Port St. Johns, Transkei". (Current Combination)

1913. *Rhinolophus swinnyi piriensis* Hewitt, Records Albany Mus., 2: 402. Publication date: 6 February 1913. Type locality: South Africa: E Cape province: near King William's Town: Pirie [32 43 S 27 18 E].

TAXONOMY:
Koopman (1966, 1982) suggests that this species may be conspecific with *denti*. *capensis* species group (Csorba *et al.*, 2003: 12 - 14; Simmons, 2005: 364). See Csorba *et al.* (2003: 11) for remarks on taxonomy.

COMMON NAMES:
Afrikaans: Swinny se saalneusvlermuis, Swinny-saalneusvlermuis, Swinnyse Vlermuis. Czech: vrápenec mosambický. English: Swinny's Horseshoe Bat. French: Rhinolophe de Swinny. German: Swinnys Hufeisennase. Portuguese: Morcego ferradura de Swinny.

ETYMOLOGY OF COMMON NAME:
Named after H.H. Swinny, who collected the original specimens from the Nqqueleni district, Eastern Cape (Taylor, 2005).

CONSERVATION STATUS:
Global - Although *Rhinolophus swinnyi* is known mainly from sparse records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large overall population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Cotterill, 2008c; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Cotterill, 2008c; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Cotterill, 2004h; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - VU C2a(i) ver 3.1 (2001) (Jacobs *et al.*, 2016h). 2004 - EN C2a(i) ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
Populations may be locally threatened by deforestation, largely resulting from logging operations, local use of timber and firewood, and general conversion of land to agricultural use (Cotterill, 2008c; IUCN, 2009).

CONSERVATION ACTIONS:
Cotterill (2008c) [in IUCN (2009)] reported that *Rhinolophus swinnyi* is present in some protected areas (e.g. Kruger National Park, South Africa). Further studies are needed into the taxonomic status of this species, the distribution and possible threats.

GENERAL DISTRIBUTION:
Rhinolophus swinnyi has been recorded from eastern parts of South Africa, much of Zimbabwe, northwestern Mozambique, with additional scattered records further north in Malawi, Zambia, Democratic Republic of the Congo and Tanzania (including the island of Unguja [=Zanzibar]) (Skinner and Chimimba, 2005; O'Brien, 2011: 286). It may be present in Angola, but this needs confirmation. In South Africa, its distribution is mainly affected by temperature seasonality (Babiker Salata, 2012: 49).

Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,054,284 km^2.

Native: Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Happold *et al.*, 1988; Kock and Howell, 1988; Csorba *et al.*, 2003: 14; Monadjem *et al.*, 2010d: 561); Malawi (Happold and Happold, 1997b: 818; Csorba *et al.*, 2003: 14); Mozambique (Smithers and Lobão Tello, 1976; Skinner and Smithers, 1990; Csorba *et al.*, 2003: 14; Monadjem *et al.*, 2010d: 561; Monadjem *et al.*, 2010c: 380); South Africa (Maree and Grant, 1997; Rautenbach and Espie, 1982; Kock and Howell, 1988; Taylor, 1998; Csorba *et al.*, 2003: 13; Monadjem *et al.*, 2010d: 561); Tanzania (Skinner and Smithers, 1990; Kock and Howell, 1988; Csorba *et al.*, 2003: 14); Zambia (Ansell, 1969; Ansell, 1978; Csorba *et al.*, 2003: 14; Monadjem *et al.*, 2010d: 561); Zimbabwe (Cotterill, 1996a; Cotterill, 2004a: 261; Csorba *et al.*, 2003: 14; Monadjem *et al.*, 2010d: 561).
Presence uncertain: Angola

ECHOLOCATION:
Aldridge and Rautenbach (1987) reported a maximum frequency of 115 kHz for individuals from Pafuri in South Africa. Jacobs *et al.* (2007a) reported a slightly different peak frequency of 107.0 (± 0.8) kHz for individuals from South Africa. Monadjem *et al.* (2010c: 380) reported from Mozambique that the peak echolocation frequencies ranged between 99 - 103 kHz (Petterson D240x).

Taylor *et al.* (2018: 25) mention a mean frequency of 106.6 ± 0.4 kHz for 10 specimens from the Eastern Cape Province and 105.6 ± 0.76 kHz from KwaZulu-Natal.

Mutumi *et al.* (2016) found that acoustic divergence in RF was best predicted by latitude, geography and climate-induced differences in atmospheric attenuation.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

Figure 111. Clockwise from top lateral, ventral and dorsal skull images of TM 1021, holotype of *Rhinolophus swinnyi* Gough, 1908.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach (1986) reported 2*n* = 58, FN = 62, BA = 6, a subtelocentric X chromosome and a metacentric Y chromosome.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - In parts of its range *Rhinolophus swinnyi* is considered to be uncommon, however, Taylor (2000) records that it is fairly common in Zimbabwe. It generally forms small colonies of fewer than ten animals (Cotterill, 2008c; IUCN, 2009).
Trend - 2008 - Unknown (Cotterill, 2008c; IUCN, 2009).

PARASITES:
DIPTERA:
Streblidae: *Raymondia waterstoni* Jobling, 1931 (Shapiro *et al.*, 2016: 256).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
South Africa.

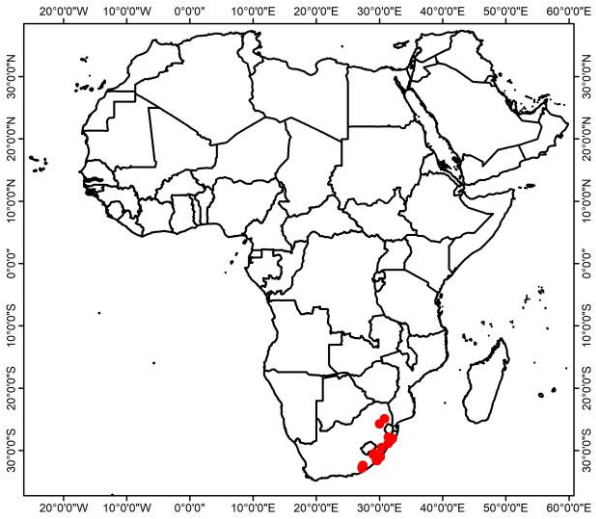

Figure 112. Distribution of *Rhinolophus swinnyi*

Rhinolophus willardi Kerbis Peterhans and Fahr, 2013

*2013. *Rhinolophus willardi* Kerbis Peterhans and Fahr, in: Kerbis Peterhans, Fahr, Huhndorf, Kaleme, Plumptre, Marks and Kizungu, Bonn. Zool. Bull., 62 (2): 190, figs 3, 4, 6. Publication date: November 2013. Type locality: Congo (Democratic Republic of the): Misotschi-Kabogo highlands [05 06 19 S 29 03 56 E, 1 880 m] [Goto Description]. Holotype: FMNH 195182: ad ♂, skull and alcoholic. Collected by: A.J. Plumptre and E.A. Mulungu; collection date: 17 February 2007; original number: DCM 1680. Paratype: FMNH 195082: ad ♀, skin and skeleton and skull. Collected by: B.D. Marks; collection date: 14 February 2007; original number: MHH 837. from 4 km SW of the village Talama, "Camp 2", 4°59'29''S, 29°04'49''E, 1950 m. Paratype: FMNH 195083: ad ♀, skin and skeleton and skull. Collected by: B.D. Marks; collection date: 14 February 2007; original number: MHH 838. Paratype: FMNH 195084: ad ♀, skin and skeleton and skull. Collected by: Prince Kiswele Kaleme; collection date: 16 February 2007; original number: PK 754. Paratype: FMNH 198083: ad ♀, complete skeleton. Collected by: B.D. Marks; collection date: 14 February 2007; original number: MHH 838. from 4 km SW of the village Talama, "Camp 2", 4°59'29''S, 29°04'49''E, 1950 m. Paratype: FMNH 198084: ad ♀, complete skeleton. Collected by: B.D. Marks; collection date: 16 February 2007; original number: PK 754. from 4 km SW of the village Talama, "Camp 2", 4°59'29''S, 29°04'49''E, 1950 m. - Etymology: In honour of Dr. David Willard (Collection Manager, Division of Birds, FMNH) in recognition of his unparalleled 35+ years of service to the Field Museum of Natural History (see Kerbis Peterhans *et al.*, 2013: 191). (Current Combination)

COMMON NAMES:
English: Willards horseshoe bat. German: Willards Hufeisennase.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the).

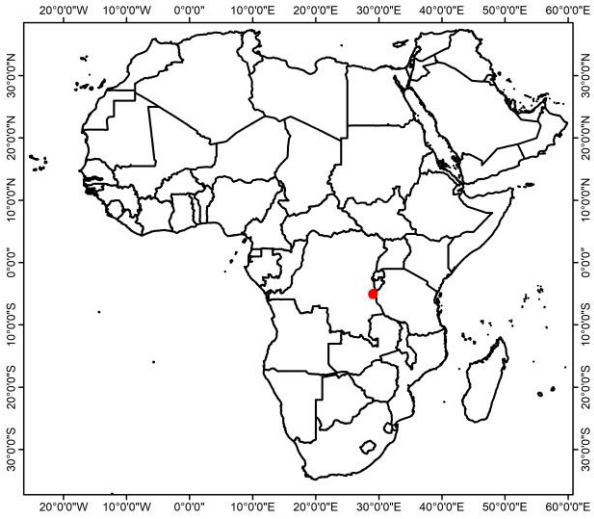

Figure 113. Distribution of *Rhinolophus willardi*

Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002

*2002. *Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, Myotis, 40: 102, 109, figs 1 - 7. Type locality: Guinea: Guinée Forestière: border "Réserve Biosphère de la Massif du Ziama": Sérédou, W edge of: near Park Station [ca. 08 23 N 09 17 W] [Goto Description]. Holotype: ZFMK 1999.0934: ad ♂, alcoholic, skull and skeleton. Collected by: Henning Vierhaus; collection date: 12 August 1992; original number: HV 2590. Paratype: AMNH 265708: ad ♂, skull and alcoholic. Collected by: Dr. Robert W. Dickerman; collection date: 4 March 1990; original number: 2144. 7 mi ?, 1 mi E Ziggida, Lofa county, Wonegizi Mts., Liberia: see Fahr *et al.* (2002: 109). - Etymology: In reference to the protected area near the type locality, the "Réserve de la Biosphère du Massif de Ziama", and as a noun in apposition (Fahr *et al.*, 2002: 110). (Current Combination)

TAXONOMY:
maclaudi species group (Fahr *et al.*, 2002; Simmons, 2005: 365).

COMMON NAMES:
Czech: vrápenec liberijský. English: Ziama Horseshoe Bat (first use Simmons, 2005: 365). French: Rhinolophe du Ziama. German: Ziama-Hufeisennase.

CONSERVATION STATUS:
Global - *Rhinolophus ziama* is listed as Endangered (EN B1ab(iii) ver 3.1 (2001)) because its extent of occurrence is less than 5,000 km^2, all individuals appear likely to be in fewer than five locations, and there is continuing decline in the extent and quality of its habitat (Fahr, 2008n; IUCN, 2009).

Assessment History -
2008 - EN B1ab(iii) ver 3.1 (2001) (Fahr, 2008n; IUCN, 2009). 2004 - EN B1ab(iii) ver 3.1 (2001) (Fahr, 2004c; IUCN, 2004).

MAJOR THREATS:
Rhinolophus ziama is threatened by deforestation of its habitat, largely through logging and mining operations, and conversion of land to agricultural use. It is also considered possible that the species could be threatened by overharvesting for subsistence food in the future (Fahr, 2008n; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008n) [in IUCN (2009)] reported that it is not known if the species is present in any protected areas. There is a need to protect suitable areas of forest habitat for this species, and to initiate appropriate bat conservation awareness programmes among local people. In addition, further studies are needed into the distribution, abundance, natural history, and threats to this species.

GENERAL DISTRIBUTION:
Rhinolophus ziama is a West African bat, known from two localities in the Guinea Highlands (c. 600 m asl) of southeast Guinea (Ziama Forest) and north-west Liberia (Wonegizi Mountains) (Fahr *et al.*, 2002). Surrounding areas have been surveyed but the species has not been found elsewhere.

Native: Guinea; Liberia; Sierra Leone (Decher *et al.*, 2010; Norris *et al.*, 2015: 83)..

POPULATION:
Structure and Density - *Rhinolophus ziama* is known only from four specimens (Fahr, 2008n; IUCN, 2009).
Trend - 2008 - Decreasing (Fahr, 2008n; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Guinea, Liberia.

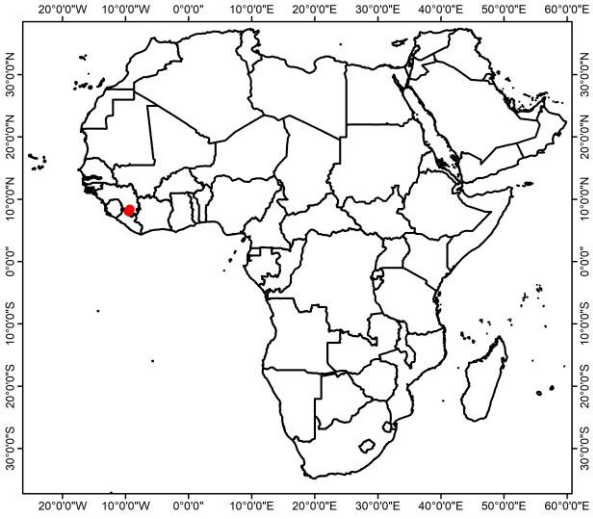

Figure 114. Distribution of *Rhinolophus ziama*

Family RHINONYCTERIDAE J. E. Gray, 1866

*1866. *Rhinonycteridae* Gray, Proc. zool. Soc. Lond., 81.
1866. *Rhinonycterina* Gray, Proc. zool. Soc. Lond., 1866, I (vi): 81. Publication date: May 1866.
? *Rhinonicteridae* (Alternate Spelling)

TAXONOMY:
Based on the phylogram, the timetree, and a unique retrotransposon insertion, Foley *et al.* (2014: 313) elevated the subtribe Rhinonycterina Gray, 1866 to family level: Rhinonycteridae. They also found (p. 318) that the monophyletic grouping of this family is supported by a unique shared indel in the *THY* gene fragment.

The validity of this family was also confirmed by Amador *et al.* (2016: 3, 6).

Single known subfamily - Rhinonycterinae
Known genera of Rhinonycteridae: †*Archerops* Hand and Kirsch, 2003, †*Brachipposideros* Sigé, 1968, †*Brevipalatus* Hand and Archer, 2005, ***Cloeotis*** Thomas, 1901, ***Paratriaenops*** Benda and Vallo, 2009, *Rhinonicteris* Gray, 1847, ***Triaenops*** Dobson, 1871.

SIMILAR SPECIES:
Key characters for the genera:
Cloeotis – Head and body length is 33 – 50 mm, tail length is 22 – 33 mm (tail completely enclosed by interfermoral membrane and is longer than the femur), and forearm length is 30 – 39 mm. Posterior component of noseleaf with three tall tapering projections. Two upper premolars on each side, M^3 not reduced (four ridges) (Nowak, 1994: 118, Happold, 2013al: 357).
Paratriaenops – Head and body length is 35 – 62 mm, tail length is 20 – 34 mm (tail completely enclosed by interfemoral membrane), and the forearm length is about 49 – 61 mm. Posterior component of noseleaf with three tall tapering projections. Two upper premolars on each side, M^3 not greatly reduced (three ridges).
Rhinonicteris – Head and body length is 45 – 53 mm, tail length is 24 – 28 mm, forearm length is 47 – 50 mm. The complex upper portion of the nose-leaf surmounts the nostrils like a crown. The crown-like portion of the leaf is extensively honeycombed and sculptured (Nowak, 1994: 116).
Triaenops – Head and body length is 35 – 62 mm, tail length is 20 – 34 mm (tail completely enclosed by interfemoral membrane), and forearm length is 45 – 61 mm. Posterior component of noseleaf with three tall tapering projections as in *Cloeotis*. Cranially, *Triaenops* differs from genera in its raised and inflated rostrum and relatively much larger cochleae but resembles *Rhinonycters* in the structure of the anterorbital region and zygoma and in the curiously thickened premaxillae, two upper premolars on each side, M^3 not greatly reduced (three ridges) (Nowak, 1994: 115, Happold, 2013al: 357).

†Genus ***Brachipposideros*** Sigé, 1968

*1968. *Brachipposideros* Sigé, Paleovert., 1 (3): 83.

†Genus ***Brevipalatus*** Hand and Archer, 2005

*2005. *Brevipalatus* Hand and Archer, Palaeontology, 48 (2): 372.

Genus ***Cloeotis*** Thomas, 1901

*1901. *Clœotis* Thomas, Ann. Mag. nat. Hist., ser. 7, 8 (43): 28. Publication date: 1 July 1901 [Goto Description]. - Comments: Type species: *Clœotis percivali* Thomas, 1901. - Etymology: From the Greek "*κλοτός*", meaning collar and "*ούς*" or "*ώτός*", meaning ear, referring to Thomas' statement that "the whole ear is very like a man's 'stand-up' collar with angles in front rounded off." (see Palmer, 1904: 191). Alternatively "*cloeotis*" might simply mean short-eared.
2016. *Cleotis:* Simmons, Seiffert and Gunnell, Am. Mus. Novit., 3857: 42. Publication date: 9

May 2016.
? *Cloeotis:* (Current Spelling)

TAXONOMY:
Reviewed by Hill (1982b).

Known species to the genus *Cloeotis*: ***percivali*** Thomas 1901.

COMMON NAMES:
Czech: jihoafričtí cíponosi. English: Short-eared Trident Bats, Short-eared Bats, African Trident Bats, African Trident-nosed Bats, Trident-nosed Bats. French: Cléothes. German: Kleinohr-Dreizackblattnase. Italian: Cloeòtidi.

Cloeotis percivali Thomas, 1901

*1901. *Clœotis Percivali* Thomas, Ann. Mag. nat. Hist., ser. 7, 8 (43): 28. Publication date: 1 July 1901. Type locality: Kenya: Coast province: N of Mombassa: Takaungu [03 42 S 39 51 E, 20 m] [Goto Description]. Holotype: BMNH 1901.5.1.11: ♂. Collection date: 15 February 1901. Presented/Donated by: Arthur Blayney Percival. - Etymology: In honour of Arthur Blayney Percival, game ranger in the former British East Africa, and collector of the type specimen (see Lanza *et al.*, 2015: 133). (Current Combination)
1917. *Clœotis percivali australis* Roberts, Ann. Transv. Mus., 5: 264-5. Publication date: 16 May 1917. Type locality: South Africa: W Transvaal province: Rustenburg district: Mooimeisiesfontein [25 01 S 27 37 E] [Goto Description]. Holotype: TM 1670: ad ♀, skin and skull. Collected by: W. Powell; collection date: 28 May 1915. Paratype: TM 1669: ad ♀, skin and skull. Collected by: W. Powell; collection date: 26 May 1915. Roberts (1917b: 265) called this a "Metatype". Paratype: TM 1671: ad ♀, skin and skull. Collected by: W. Powell; collection date: 27 May 1915. Roberts (1917b: 265) called this a "Metatype". Paratype: TM 1672: ad ♀, skin and skull. Collected by: W. Powell; collection date: 28 May 1915. Roberts (1917b: 265) called this a "Metatype". Paratype: TM 1673: ad ♀, skin and skull. Collected by: W. Powell; collection date: 28 May 1915. Roberts (1917b: 265) called this a "Metatype". Paratype: TM 1674: ad ♂, skin and skull. Collected by: W. Powell; collection date: 26 May 1915. Roberts (1917b: 265) called this a "Metatype". Paratype: TM 1675: ad ♂, skin and skull. Collected by: W. Powell; collection date: 26 May 1915. Roberts (1917b: 265) called this a "Metatype". Paratype: TM 1676: ad ♂, skin and skull. Collected by: W. Powell; collection date: 26 May 1915. Roberts (1917b: 265) called this a "Metatype". - Comments: Considered a valid subspecies by Taylor (1998: 41). Monadjem *et al.* (2010d: 147) mentioned TM 1690 as type specimen, but Roberts (1917b: 265) indicated TM 1670, which is part of the eight *percivali* specimens collected by W. Powell at Mooimeisjesfontein and mentioned by the author (TM 1669 - 1676).
? *Cloeotis percivali australis:*
? *Cloeotis percivali percivali:* (Name Combination)
? *Cloeotis percivali:* (Current Spelling)

TAXONOMY:

Figure 115. *Cloeotis percivali* (TM 46644) from Miggies gat, Mpumalanga, South Africa.

Meester *et al.* (1986: 43 - 44) recognized two subspecies: *percivali* and *australis*.

COMMON NAMES:
Afrikaans: Drietand-bladneusvlermuis, Drietand-blaarneusvlermuis. Czech: cíponos jihoafrický. English: Percival's Short-eared Trident Bat, Percival's Trident Bat, Short-eared Trident Bat, African Trident Bat, East African Trident Bat. French: Cléothe de Percival, Asellia d'Afrique orientale, Phyllorhine à petites oreilles, Phyllorhine de Percival. German: Percivals Kleinohr-Dreizackblattnase. Italian: Cloeòtide di Pèrcival. Kiluba (DRC): Kasusu. Portuguese: Morcego tridentado. SiSwati: Lilulwane.

CONSERVATION STATUS:
Global - Although poorly known and with some recorded population declines, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008do; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008do; IUCN, 2009). 2004 - VU A2bc+A3bc, C1 ver 3.1 (2001) (Mickleburgh *et al.*, 2004db; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - E C2a(i) ver 3.1 (2001) (Balona *et al.*, 2016). 2004 - CR A2a ver 3.1 (2001) (Friedmann and Daly, 2004). 1996 - Indeterminate (Smithers, 1986).
Swaziland: 2003 - DD ver 3.1 (2001) (Monadjem *et al.*, 2003).

MAJOR THREATS:
There have been seemingly stochastic extinctions of colonies, though it is not known if the animals simply move to new locations. Roost disturbance seems to be an important factor, but there might be others, and there has been speculation that DDT might be a cause of population disappearances (Mickleburgh *et al.*, 2008do; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008do) [in IUCN (2009)] report that in South Africa, KwaZulu-Natal province they are protected from human disturbance. It might occur in some protected areas. Protection of maternity/breeding and roosting sites from disturbance is important.

GENERAL DISTRIBUTION:
Largely confined to southern Africa, with records from South Africa (KwaZulu-Natal, Limpopo, and Mpumalanga), Swaziland, south-east Botswana, southern Zambia, Zimbabwe (the core of the distribution), and extralimital records from southern Democratic Republic of Congo, Malawi, northwestern Mozambique, and coastal Kenya (Taylor, 2000). Reported from Mafia Island Tanzania, but no vouchers were collected (Kock and Stanley, 2009; O'Brien, 2011: 287).

For southern Africa (south of 8°S), Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 955,464 km^2. In the RSA, its distribution is best predicted by geology (Babiker Salata, 2012: 50).

Native: Botswana (Smithers, 1971, Tiunov, 1986: 536); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 536); Kenya; Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 536); South Africa (Seamark, 2005c: 3; Monadjem *et al.*, 2010d: 536; Balona, 2016: 5); Swaziland (Monadjem *et al.*, 2005; Monadjem *et al.*, 2010d: 536); Tanzania; Zambia (Ansell, 1969; Ansell, 1986; Monadjem *et al.*, 2010d: 536); Zimbabwe (Monadjem *et al.*, 2010d: 536).

FUNCTIONAL MORPHOLOGY:
Davies *et al.* (2013b: 6) found that this species' cochlea contains a highly modified basal turn compared to the other species they studied, and these modifications are consistent with the tonotopic organisation of the cochlea in which the basal area corresponds to the highest frequencies used by this bat.

ECHOLOCATION:
For an individual from Sengwa in Zimbabwe, Jacobs (1996) and Fenton and Bell (1981) reported a maximum frequency of 212 kHz, the highest frequency pure tone documented from the natural world (Bell and Fenton, 1984 in Thiagavel *et al.*, 2017: 1). Monadjem *et al.* (2007a), using an Anabat detector reported a maximum frequency of 103.4 (± 0.74) kHz for individuals from various localities in Swaziland. While Monadjem *et al.* (2010d: 57) report a maximum frequency of 103.2 (± 0.7) using an Anabat detector. Taylor (1999b) using a Pettersson D980 detector reported a maximum frequency of 104.2 (± 0.4) kHz for *C. percivali* from Jozini in South Africa. Taylor (2000) reported a constant frequency of 104 kHz (fundamental) and 208 kHz (first harmonic). Fenton (2004b: 3) indicates that the calls are dominated by sounds higher than 200 kHz. Monadjem *et al.* (2010d: 144) report HD-CF calls with high peak frequency (207.8 ± 3 kHz, n = 6) and intermediate duration (4.6 ± 1.2 msec, n = 6), with a second harmonic, where the fundamental harmonic is at around 104 kHz.

Monadjem *et al.* (2007a) also reported sexual dimorphism in the call with males calling at a higher frequency than females (males 103.7 ± 0.71 kHz, females 102.9 ± 0.52 kHz).

In Swaziland, Monadjem *et al.* (2017c: 179) recorded the following parameters: F_{min}: 99.2 ± 1.02 (98.1 - 100.1) kHz, F_{knee}: 103.1 ± 0.65 (102.6 - 103.8) kHz, F_c: 102.6 ± 0.51 (102.2 - 103.2) kHz, duration: 2.3 ± 0.04 (2.2 - 2.3) msec.

MOLECULAR BIOLOGY:
DNA - Eick *et al.* (2005) and Matthee *et al.* (2006).
Karyotype - 2*n* = 40 (Rautenbach *et al.*, 1993).

Protein / allozyme - Unknown.

HABITAT:
Its elevational range is from sea level to 1,000 m (Mickleburgh *et al.*, 2008do).

ROOST:
Caves and mine tunnels for day roosting (Taylor, 2000).

DIET:
It feeds exclusively on moths (Taylor, 2000).

From Zambia, Black (1979: 54) reported the occurrence of the following prey taxa in the stomachs of 55 bats: Lepidoptera (moths): 100, Coleoptera (beetles): 7.3, Diptera (flies): 5.5, Unidentified insects: 3.6, Hemiptera (bugs): 1.8, and Isoptera (termites): 1.8. Only 7 of the 55 bats had eaten prey other than moths.

For South Africa, Jacobs (2000: 201) mentioned the following prey proportions: Lepidoptera (98.7 ± 3.2), Coleoptera (0.3 ± 1.2), Diptera (0.2 ± 0.7), and unknown (0.8 ± 3.1).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - Large fluctuations in population numbers are known, and it is prone to local extinctions. It is never found in very large colonies, with the largest known colony (of about 300 individuals) being reported from KwaZulu-Natal, South Africa, on the southern section of its range. However, the current estimated population size of the KwaZulu-Natal colony is only 50 animals. There are no population estimates from elsewhere in its range, although the largest population might be in Zimbabwe (Mickleburgh *et al.*, 2008do; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008do; IUCN, 2009). 2004- Unknown (Mickleburgh *et al.*, 2004db; IUCN, 2004).

PARASITES:
Streblidae: *Raymondia alulata* Speiser, 1908 recorded at Kanye, Botswana (Haeselbarth *et al.*, 1966: 102; Shapiro *et al.*, 2016: 253). *Raymondia hardyi* Fiedler, 1954 from South Africa (Shapiro *et al.*, 2016: 254). *Raymondia huberi huberi* Frauenfeld, 1855 (Shapiro *et al.*, 2016: 254). *Raymondia seminuda* Jobling,1954 from southern Botswana (Haeselbarth *et al.*, 1966: 103; Shapiro *et al.*, 2016: 255). *Raymondia waterstoni* Jobling, 1931 (Haeselbarth *et al.*, 1966: 104).

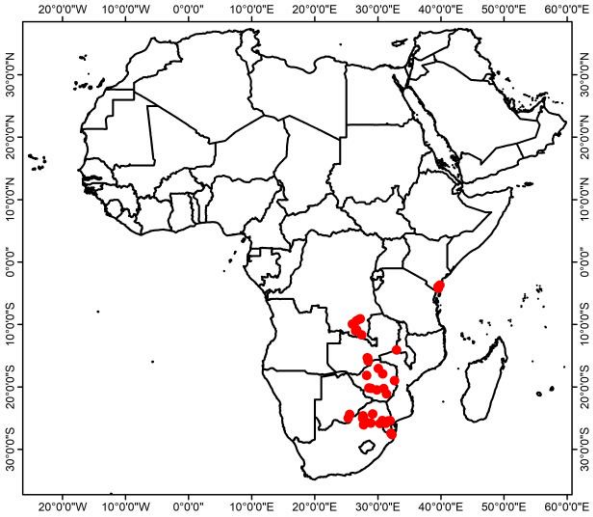

Figure 116. Distribution of *Cloeotis percivali*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Botswana, Congo (Democratic Republic of the), Kenya, South Africa, Swaziland, Zambia, Zimbabwe.

Genus ***Paratriaenops*** Benda and Vallo, 2009

*2009. *Paratriaenops* Benda and Vallo, Folia Zool., 58 (1): 1, 31 [Goto Description]. - Comments: Type species: *Triaenops furcula* Trouessart, 1906. - Etymology: The name refers to close similarity of *Paratriaenops* with the genus *Triaenops*; Greek prefix *para* - means besides, next to. Masculinum.

TAXONOMY:
Differs primarily from *Triaenops* Dobson, 1871 and *Cloeotis* Thomas, 1901 in the shape and morphology of the noseleaf, and lacking of lateral supplementary leaflets (Benda and Vallo, 2009).
Based on a considerable genetic distance (21.6 - 26.2 % in 731 bp sequence of cyt *b*) and substantial morphological differences from the continental forms of *Triaenops* as well as from Malagasy *T. menamena*, Benda and Vallo (2009: 1) propose generic status for the group of Malagasy species, *T. furculus*, *T. auritus*, and *T. pauliani*. They also separate *Paratriaenops* and *Triaenops* from the other hipposiderid bats in the tribus *Triaenopini*.
Ramasindrazana *et al.* (2013: 436) support the recognition of *Paratriaenops* as a separate genus based on an additional character: the inversed sexual dimorphism, where females are larger than males.

Known species of the genus *Paratriaenops*: ***auritus*** (G. Grandidier, 1912); ***furculus*** (Trouessart, 1907); ***pauliani*** (Goodman and Ranivo, 2008).

COMMON NAMES:
Czech: malí cíponosi.

Paratriaenops auritus (G. Grandidier, 1912)

*1912. *Triænops aurita* G. Grandidier, Bull. Mus. natn. Hist. nat., Paris, sér. 1, 18 (1): 8, fext-fig. Publication date: 25 January 1912. Type locality: Madagascar: extreme N Madagascar: near Diégo-Suarez [=Antsiranana] [ca. 12 16 S 49 17 E] [Goto Description]. Holotype: MCZ 45080: ♂, skin and skull. Collected by: Dr. Mazières. Body mummified; see Peterson (1987: 81). on label: "envoi du Dr. Mazières, Diégo Suarez - Madag. 1910": see Ranivo and Goodman (2006: 974), Helgen and McFadden (2001: 143).
2009. *Paratriaenops auritus:* Benda and Vallo, Folia Zool., 58: 33. (Name Combination, Current Combination)
? *Triaenops auritus:* (Current Spelling)

TAXONOMY:
Until recently, only known from the holotype (see Peterson *et al.*, 1995: 81), but additional specimens were reported by Ranivo and Goodman (2006: 977). Included in *furculus* (Hayman and Hill, 1971; Koopman, 1993a: 175, 1994), but Peterson *et al.*, 1995: 81), Russ *et al.* (2001), Hutson *et al.* (2001: 18), Ranivo and Goodman (2006: 974) consider it a valid species. Benda and Vallo (2009) placed it in the genus *Paratriaenops*.

COMMON NAMES:
Czech: cíponos zlatý. English: Grandidier's trident bat. French: Triaenops à grandes oreilles. German: Grandidiers Dreizahn-Blattnase.

CONSERVATION STATUS:
Global - This species is listed as Vulnerable (VU B1ab(iii) ver 3.1 (2001)) as it has what appears to be restricted geographic range of less than 20,000 km² in northwestern Madagascar. The habitat is severely fragmented, and there is a continuing decline in the area and quality of habitat mainly due to agricultural activities. Further survey work is needed to help better ascertain the limits of the range of this species (Andriafidison *et al.*, 2008n; IUCN, 2009).

Assessment History -
2008 - VU B1ab(iii) ver 3.1 (2001) [assessed as *Triaenops auritus*] (Andriafidison *et al.*, 2008n; IUCN, 2009). 2000 - DD ver 2.3 (1994) [assessed as *Triaenops auritus*] (IUCN, 2000).

MAJOR THREATS:
As a forest dependent species any decline in extent or quality of the remaining forest poses a threat to this species. In northern Madagascar, forest is lost because of expanding agriculture. There is also the threat of disturbance to cave roosting sites (Andriafidison *et al.*, 2008n; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008n) [in IUCN (2009)] report that this species is known to occur in three protected areas: Réserve Spéciale d'Ankarana, Réserve Spéciale d'Analamerana and Daraina forest (Ranivo and Goodman, 2006; Russell *et al.*, 2007). Conservation should be focused at the known cave roosts to secure the existing populations and closely monitor seasonal and annual population changes.

GENERAL DISTRIBUTION:
Paratriaenops auritus is endemic to the island of Madagascar where it has a restricted range in the north-western tip of the island, ranging between 50 m and 160 m above sea-level (Ranivo and Goodman, 2006; Robinson *et al.*, 2006; Russell *et al.*, 2007). The Andrafiamena Mountains likely form the southern limit of this species (S. M. Goodman *pers. comm.*).

Native: Madagascar (Ranivo and Goodman, 2006: 963; Robinson *et al.*, 2006; Russell *et al.*, 2007).
BIOGEOGRAPHY:
See Russell *et al.* (2007).

DETAILED MORPHOLOGY:
Baculum:
The only specimen examined by Rakotondramanana and Goodman (2017: 56) had an elongated baculum with a pointed tip and expanded rounded basal lobe; length: 1.78 mm, width: 0.49 mm.

ECHOLOCATION:
Kofoky *et al.* (2009: 380) reported the calls from 10 individuals, which consisted of a distinctive narrowband CF component that ended with short

FM sweeps with a maximum energy of 100.3 kHz.

Ramasindrazana *et al.* (2013: 434) mention the following values for 5 ♂♂ specimens: Resting frequency: 107.8 ± 1.51 (106.9 - 109.6) kHz, F_{max}: 108.8 ± 1.48 (106.5 - 110.2) kHz, F_{min}: 106.5 ± 1.59 (104.8 - 108.2) kHz, duration: 11.7 ± 3.65 (7.6 - 17.5) msec, interpulse interval: 28.9 ± 8.02 (19.5 - 38.6) msec, and for 2 ♀♀: Resting frequency: 95.6 (95.1, 96.1) kHz, F_{max}: 96.4 (95.6, 97.2) kHz, F_{min}: 93.9 (93.8, 94.1) kHz, duration: 13.7 (13.5, 14.0) msec, interpulse interval: 25.5 (25.4, 25.7) msec.

MOLECULAR BIOLOGY:
DNA - Russell *et al.* (2007).
Karyotype - Unknown
Protein / allozyme - Unknown

HABITAT:
Dammhahn and Goodman (2013: 108) mention that the bat's foraging habitat is the lower portion of forest.

POPULATION:
Structure and Density - This species is thought to be relatively abundant within a localized area in the northern part of Madagascar. The largest roost recorded was 2,000 individuals in Réserve Spéciale d'Ankarana (S. G. Cardiff *pers. obs.*) and up to 1,000 individuals were recorded from a mine tunnel approximately 5 km from Andavokoera (J. Ranivo *pers. comm.*).
Trend - 2008 - Unknown (Andriafidison *et al.*, 2008n; IUCN, 2009).

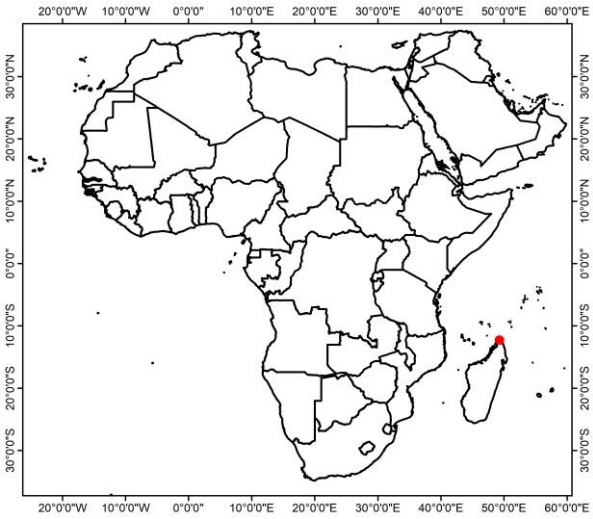

Figure 117. Distribution of *Paratriaenops auritus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Paratriaenops furculus (Trouessart, 1907)

*1907. *Triaenops furcula* Trouessart, Bull. Mus. natn. Hist. nat., Paris, sér. 1, 12 (7): 446 (for 1906). Publication date: 26 February 1907. Type locality: Madagascar: Tuléar province: 20 km S Tuléar, St. Augustine Bay: Sarodrana cave [23 33 S 43 45 E]. Holotype: MNHN ZM-MO-1912-40a (186): ♂, alcoholic (skull missing). Collected by: Guillaume Grandidier; collection date: 19 May 1898. - Comments: Issue 12 (7) was for a meeting on 27 November 1906, but was only distributed around 26 February 1907 (see Bull. Vol 13 (2). Trouessart (1907: 446) mentions *Triaenops* in name for the new taxon, but refers to the other taxa as *Triænops*).
2009. *Paratriaenops furculus:* Benda and Vallo, Folia Zool., 58: 33. (Name Combination, Current Combination)
? *Triaenops furculus:* (Current Spelling)

TAXONOMY:
Hayman and Hill (1971: 30) and Koopman (1993a: 175) included *aurita*, but see Peterson *et al.* (1995), Russ *et al.* (2001), Hutson *et al.* (2001: 18), Simmons (2005: 378), Ranivo and Goodman (2006: 963) who consider it a valid species. Benda and Vallo (2009) placed it into the genus *Paratriaenops*.

COMMON NAMES:
Czech: cíponos malý. English: Trouessart's Trident Bat, Trouessart's Triden Bat, Madagascar Leaf-nosed Bat. French: Triaenops malgache, Triaenops de Madagascar, Triaenops de Trouessart. German: Trouessarts Dreizahn-Blattnase.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Sabatier and Legendre (1985: 23) and Gunnell *et al.* (2014: 3) refer to fossils from the Anjohibe, Tsimanampetsotsa, and Andrahomana caves on Madagascar.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution. There is no evidence that this species is declining fast enough to place it in a category of higher threat although its roosting colonies should be monitored especially in areas undergoing habitat change (Andriafidison *et al.*, 2008o; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Triaenops furculus*] (Andriafidison *et al.*, 2008o; IUCN, 2009).
1996 - VU A2c ver 2.3 (1994) (Baillie and Groombridge, 1996).

MAJOR THREATS:
There may be possible threats from disturbance at the cave sites. This species is tolerant to some degree of forest degradation, but appears to require forested areas to survive (Goodman *et al.*, 2005a) and may therefore be one of the few Malagasy bat species really susceptible to deforestation and forest fragmentation (Andriafidison *et al.*, 2008o; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008o) [in IUCN (2009)] report that this species is present in Parc National du Tsingy de Bemaraha, Parc National de Namoroka, Parc National Kirindy-Mite and Parc National Tsimanampetsotsa (Goodman *et al.*, 2005a). Roosting colonies need to be the focus of further conservation and research.

GENERAL DISTRIBUTION:
Paratriaenops furculus is found on Madagascar where it is restricted to lowland (an elevation span of 30 m to 200 m above sea level) areas in the west and south-west (Goodman *et al.*, 2005a; Ranivo and Goodman, 2006: 963). It is also found on Cosmoledo and Aldabra Atolls in the outer Seychelles (von Brandis, 2004: 135; Hutson, 2004a).

Native: Madagascar (Goodman *et al.*, 2005a; Ranivo and Goodman, 2006: 963); Seychelles (Hutson, 2004a).

BIOGEOGRAPHY:
See Russell *et al.* (2007).

DETAILED MORPHOLOGY:
Baculum:
The penis bone is elongated with a slightly pointed tip and triangular basal lobe; length: 1.66 ± 0.154 (1.48 - 1.93) mm, width: 0.37 ± 0.105 (0.22 - 0.53) mm.

ECHOLOCATION:
Kofoky *et al.* (2009: 380) reported the calls from 18 individuals, the pulses were of longer duration than *Triaenops menamena* and consisted of a narrowband CF component that *T. menamena*, began and ended with short FM sweeps with a high duty cycle (52.5%) and with up to two harmonics, with the second harmonic containing the most energy at about 103.4 kHz. The frequency of maximum amplitude (FMA) was reported as 100.2 ± 0.2 kHz (n = 18) by Bambini *et al.* (2011: 84).

Ramasindrazana *et al.* (2013: 434) mention for 6 ♂♂ specimens the following values: Resting frequency: 113.1 ± 1.80 (110.6 - 115.1) kHz, F_{max}: 114.8 ± 1.90 (111.9 - 116.8) kHz, F_{min}: 110.5 ± 2.16 (106.8 - 113.0) kHz, duration: 12.4 ± 2.71 (8.9 - 16.9) msec, interpulse interval: 23.4 ± 8.50 (14.4 - 36.9) msec, and for 10 ♀♀: Resting frequency: 98.2 ± 1.41 (96.8 - 101.2) kHz, F_{max}: 99.5 ± 1.21 (98.1 -102.3) kHz, F_{min}: 95.7 ± 2.20 (91.4 - 99.4) kHz, duration: 16.0 ± 4.55 (8.1 - 22.5) msec, interpulse interval: 37.7 ± 18.00 (13.9 - 68.5) msec.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003) and Russell *et al.* (2007).
Karyotype - Unknown
Protein / allozyme - Unknown

HABITAT:
Hutson (2004a: 129) reports, that on Madagscar, this bat is essentially a cave inhabitant (often sea caves), but on Aldabra (Seychelles) - where there are no true caves - it might inhabit some vertical solution holes, which are at most about 5m deep, and other small hollows which might provide a limited cave-like environment.

ROOST:
Recorded in a variety of roosts including caves, shallow sea caves, rock overhangs, under bridges, and large road drainage pipes (Goodman and Ranivo, 2008).

DIET:
On Madagascar, Rakotoarivelo *et al.* (2007) found that *Paratriaenops furculus* mainly consumed Lepidoptera. This was confirmed by Bambini *et al.* (2011: 81), who also indicated that Coleoptera were also part of the diet.

PREDATORS:
Goodman *et al.* (2015c: 78) found the remains of one individual in pellets of Bat Hawk *Macheiramphus alcinus* Bonaparte, 1850 in western central Madagascar.

POPULATION:
Structure and Density - There are few data available on *Paratriaenops furculus*, but it appears to be a relatively rare member of the chiropteran assemblage in western Madagascar as determined by mist netting and acoustic sampling (Kofoky *et al.*, 2007; Rakotoarivelo and Randrianandrianina, 2007). However, it can occur in large colonies and a roost of over 10,000 individuals was reported from the Sept Lacs in southern Madagascar (Olsson *et al.*, 2006). There is no information on population size of *P. furculus* from Aldabra, but it appears to be rather rare with

only a few specimen records (Hutson, 2004a).
Trend - 2008 - Unknown (Andriafidison *et al.*, 2008o; IUCN, 2009).

PARASITES:
Lagadec *et al.* (2012: 1696) and Gomard *et al.* (2016: 5) report the presence of *Leptospira* sp bacteria in this species.

Perkins and Schaer (2016: Suppl.) report the presence of an unidentified haemosporidan.

Ramasindrazana *et al.* (2016: 7) report one male specimen (out of five examined) to be infected by an unnamed filarial Nematode.

VIRUSES:
Astroviridae
Lebarbenchon *et al.* (2017: Suppl.) found 11 out of 31 examined bats to test positive for Astroviridae.

Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 1 individuals from the Madagascar using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 0 positive results for viral nucleic acids.

Mélade *et al.* (2016b: 4) tested 14 Madagascan specimens, of which one was positive for paramyxoviruses.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

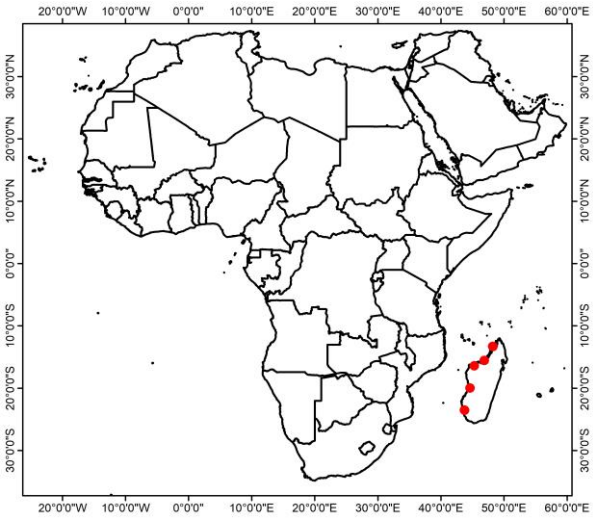

Figure 118. Distribution of *Paratriaenops furculus*

Paratriaenops pauliani (Goodman and Ranivo, 2008)

1941. *[Triaenops] furinea* Tate, Am. Mus. Novit., 1140: 3. Type locality: Seychelles: Aldabra. - Comments: Goodman and Ranivo (2008: 685) mention that Tate (1941: 3) used the name "*Triaenops furinea* Trouessart" for the species on Aldabra. To their knowledge Trouessart never named the form occurring on Aldabra; the use of "*furinea*" is presumably a misreading of the name furcula and is considered a *nomen nudum* (Hayman and Hill, 1971: 30; Hill, 1982b).

*2008. *Triaenops pauliani* Goodman and Ranivo, Zoosystema, 30 (3): 681, 685, figs 2, 3. Type locality: Seychelles: Aldabra Atoll: Picard Island [c 09 24 S 46 12 E] [Goto Description]. Holotype: BMNH 1913.2.18.1: ad ♂, skull and alcoholic. Collected by: J.C.F. Fryer. Based on the itinerary of the Percy Sladen Trust Expedition to the Seychelles, Fryer was in the western Seychelles (Astove, Cosmoledo, Assumption, and Aldabra) from 13 September1908 to 24 January 1909 (Gardiner *et al.*,1910), see Goodman and Ranivo (2008). Paratype: BMNH 1913.2.18.2: ad ♀, skull and alcoholic. Collected by: J.C.F. Fryer. Paratype: BMNH 1978.185: ad ♀, alcoholic (skull not removed). Collected by: J.J. Whitelaw; collection date: 04 May 1977. Picard Island, Aldabra Station [09 24 04.4 S 46 12 21.4 E, 5 m]. Paratype: CUMZ E5609.A: ad ♀. Collected by: J.C.F. Fryer. Picard Island, between 13 September 1908 and 24 January 1909. Paratype: CUMZ E5609.B: ad ♂. Collected by: J.C.F. Fryer. Picard Island, between 13 September 1908 and 24 January 1909. Paratype: FMNH 185795: sad ♂, skull and alcoholic. Collected by: U. Samedi; collection date: 09 April 2004. Picard Island, Aldabra Station [09 24 04.4 S 46 12 21.4 E, 5 m]. - Etymology: The name *pauliani* is a patronym after the late Prof. Renaud Paulian, who conducted extensive research in the western Indian Ocean islands and was responsible for a major synthesis of the bio-geography of Madagascar and neighbouring islands (Paulian 1961, see Goodman and Ranivo (2008: 685).

2009. *Paratriaenops pauliani:* Benda and Vallo, Folia Zool., 58: 33. (Name Combination, Current Combination)

TAXONOMY:
Benda and Vallo (2009) placed it into the genus *Paratriaenops*.

COMMON NAMES:
Czech: cíponos aldabránský. French: Triaenops de Paulian. German: Aldabra- Dreizahnblattnase.

GENERAL DISTRIBUTION:
Is endemic to the Aldabra Atoll, specifically Picard Island (Goodman and Ranivo, 2008).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
The noseleafs of *P. pauliani* are shorter than those in individuals of *P. auritus* or *P. furculus*, and the external lancets are shorter than the internal lancet, and outer margins of the external lancets are distinctly arc-shaped, while in members of the *P. auritus*/*furculus* group the external lancets are distinctly spear-shaped and the difference in length of the external and internal lancets is less marked (Goodman and Ranivo, 2008).
In overall external measurements, *P. pauliani* is smaller than *P. auritus*/*furculus* group.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
The cranial measurements are similar to those of *P. auritus* and *P. furculus* and fall within the range of size variation of these latter two taxa. There is an elongation of the anterior portion of the upper toothrow, with the I^1-M^3 measurements falling outside the range for *P. furculus* and *P. auritus* (see Goodman and Ranivo, 2008).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Seychelles.

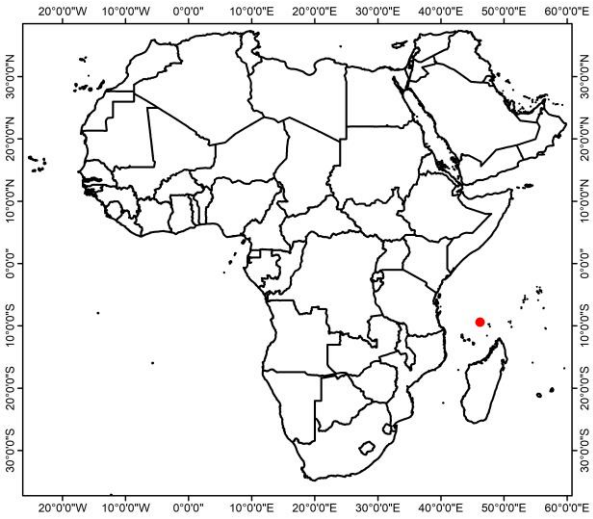

Figure 119. Distribution of *Paratriaenops pauliani*

Genus ***Triaenops*** Dobson, 1871

*1871. *Triaenops* Dobson, J. Asiatic Soc. Bengal, 40 (2): 455, pl. 28. Publication date: 28 December 1871. - Comments: Type species: *Triænops persicus* Dobson, 1871. - Etymology: From the Greek "*τρίανα*" (trìaina), meaning trident and "*ώφ*", meaning face (or "*ὄφις*" (ópsis), meaning "aspect, appearance"), referring to the posterior part of the nose-leaf, which terminates in three pointed projections (see Palmer, 1904: 687); Lanza *et al.*, 2015: 155). (Current Combination)
1995. *Triaenopus:* Yoshiyuki, Bull. Nat. Sci. Mus., Tokyo, Ser. A (Zool.), 21 (2): 119. Publication date: 22 June 1995. (Lapsus)
2002. *Trienops:* Paniutina, Plecotus et al., pars spec.: 36. (Lapsus)
? *Triaenops sp.:*

TAXONOMY:
Hill (1982b) and Garbutt (1999) suggested that *T. rufus* and *T. persicus* be synonymized. This is not supported by Russell *et al.* (2007). The Madagascan species are reviewed by Ranivo and Goodman (2006).

Known species of *Triaenops*: ***†goodmani*** Samonds, 2007; ***afer*** Peters, 1871; ***menamena*** Goodman and Ranivo, 2009, *parvus* Benda and Vallo, 2009, *persicus* Dobson, 1871.

COMMON NAMES:
Czech: velcí cíponosi. English: Greater Trident Bats, Trident Bats, Trident Leaf-nosed Bats, Triple nose-leaf bats. French: Triaenops. German: Dreizahn-Blattnasen. Italian: Triènopi.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Samonds (2007: 55 - 57) found *Triaenops* sp. Within the deposits (NCC-1 locality) dating estimated as 69,600 to 86,800 years old within the Anjohibe cave, Madagascar.

GENERAL DISTRIBUTION:
Is broadly distributed in Africa, portions of the Middle East, and islands in the western Indian Ocean.

BIOGEOGRAPHY:
Russell *et al.* (2007)'s data reject a single-dispersal hypothesis (single origin hypothesis), which predicts that linages endemic to Madagascar form an exclusive clade. Russell *et al.* (2007) found that Malagasy *Triaenops* are paraphyletic with respect to the mainland African species *T. persicus*,

indicating that the distribution of Malagasy and African *Triaenops* involved at least two independent dispersal events.
Russell *et al.* (2008a) estimate that at 2.25 Mya *Triaenops* still formed a single ancestral population between *T. rufus*/*P. auritus*, while the timing of the later *T. rufus* dispersal to Madagascar is less clear (about 148 kya and 660 kya).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia, Kenya, Madagascar, Somalia, Tanzania.

†***Triaenops goodmani*** Samonds, 2007

*2007. *Triaenops goodmani* Samonds, Acta Chiropt., 9 (1): 46, fig 3 A-B. Type locality: Madagascar: Anjohibe cave [Goto Description]. Holotype: UADBA 9010. Partial left dentary: see Samonds (2007: 46). - Etymology: Specific name for Dr. Steven M. Goodman, in recognition of his significant contributions to the field of modern Malagasy bat research (see Samonds, 2007). (Current Combination)

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Samonds (2007: 46 - 49) found samples in deposits (OLD SE) dated at 10,000 yrs old or younger within the Anjohibe cave, Madagascar.

Time frame:
Pleistocene.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Triaenops afer Peters, 1877

*1877. *Triænops afer* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 913 (for 1876). Publication date: 1877. Type locality: Kenya: Mombassa [04 03 S 39 40 E]. Holotype: ZMB 5074: ♂, skull and alcoholic. Collected by: Dr. Johann Maria Hildebrandt. See Turni and Kock (2008: 40). (Current Combination)
1968. *Triaenops persicus majusculus* Aellen and Brosset, Rev. suisse Zool., 75 (14): 450. Type locality: Congo: Loudima: Grotte de Doumboula [04 15 S 13 00 E] [Goto Description]. Holotype: MNHN ZM-MO-1968-412: ad ♂, alcoholic (skull not removed). Collected by: Jean-Paul Adam; collection date: 19 June 1964. 18 paratypes.
2017. *Tr[iaenops] affer:* Waruhiu, Ommeh, Obanda, Agwanda, Gakuya, Ge, Yang, Wu, Zohaib, Hu and Shi, Virol. Sin., 32 (2): 4. Publication date: 6 April 2017. (Lapsus)
2017. *Triaenops affer:* Waruhiu, Ommeh, Obanda, Agwanda, Gakuya, Ge, Yang, Wu, Zohaib, Hu and Shi, Virol. Sin., 32 (2): 5. Publication date: 6 April 2017. (Lapsus)
? *Triaenops afer:* (Current Spelling)
? *Triaenops persicus afer:* (Name Combination)
? *Triaenops persicus:*

TAXONOMY:
Benda and Vallo (2009: 26) found differences in the structure of the skull, baculum and Cyt. *b* of *Triaenops persicus* occurring in the Middle East and those in East Africa.

COMMON NAMES:
Czech: cíponos africký, vrápenec cíponosý. English: African Trident Bat, Peter's Trident Bat. German: Afrikanische Dreizahn-Blattnase. Italian: Triènope àfro.

GENERAL DISTRIBUTION:
Native: Ethiopia (Kruskop *et al.*, 2016: 58); Mozambique (Monadjem *et al.*, 2010c: 381).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Lucati and López-Baucells (2016: Suppl.) refers to Howell (1980), who mentioned two piebald (all-white fur/skin patches, eyes always normally coloured) *T. persicus* specimens from a mine in Tanzania.

DETAILED MORPHOLOGY:
Brain:
Adult hippocampal neurogenesis was studied by Chawana R. *et al.* (2016: 1551) [as *Triaenops persicus*].

ECHOLOCATION:
From Mozambique, Monadjem *et al.* (2010c: 381) reported that the echolocation calls are sexually dimorphic, peak frequencies of males ranged between 71 - 75 kHz (ANABAT) and those of females, between 82 - 85 kHz (ANABAT).

REPRODUCTION AND ONTOGENY:
Martin and Bernard (2000: 32) indicate that the

corpus luteum is only present for the first part of the pregnancy after which complete regression occurs.

PARASITES:
BACTERIA
Bartonellae
Bartonella - Kosoy *et al.* (2010: 1877) and Bai and Kosoy (2012: 58) reported a prelevence of *Bartonella* spp. cultered from blood samples of 7/8 (87.5 %) *T. persicus* specimens from Kenya. Seven *Bartonella* spp. *gltA* sequences were identified, and formed a monophyletic geogroup (Kosoy *et al.*, 2010: 1878). See also Kosoy (2010: 719) for further information.

HAEMOSPORIDA
Garnham (1973: 237) refers to Adam and Landau for a record of *Polychromophilus ? murinus* in a "*Triaenops persicus*" from Africa.

SIPHONAPTERA
Ischnopsyllidae: *Araeopsylla scitula* Rothschild, 1909 was reported by Beaucournu and Kock (1996) from "*Triaenops persicus*" bat from Kenya.

DIPTERA:
Streblidae: *Raymondia aspera* Maa, 1968 from Mozambique (Shapiro *et al.*, 2016: 254). *Raymondia huberi huberi* Frauenfeld, 1855 (Shapiro *et al.*, 2016: 254). *Raymondia seminuda* Jobling, 1954 (Shapiro *et al.*, 2016: 255). *Raymondia waterstoni* Jobling, 1931 (Shapiro *et al.*, 2016: 256).

VIRUSES:
Astroviridae
These viruses were found by Waruhiu *et al.* (2017) in their country-wide survey of Kenyan bats.

Coronaviridae
Of the 30 *T. afer* specimens Tao *et al.* (2017: 3) tested in Kenay, eight (26.7 %) were positive for CoV.

Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that 12 out of 16 examined *T. afer* specimens from Kenya tested positive for *Paramyxovirus* sequences.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Horton *et al.* (2014: Table S1) tested 12 Kenyan "*T. persicus*" specimens, but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus).

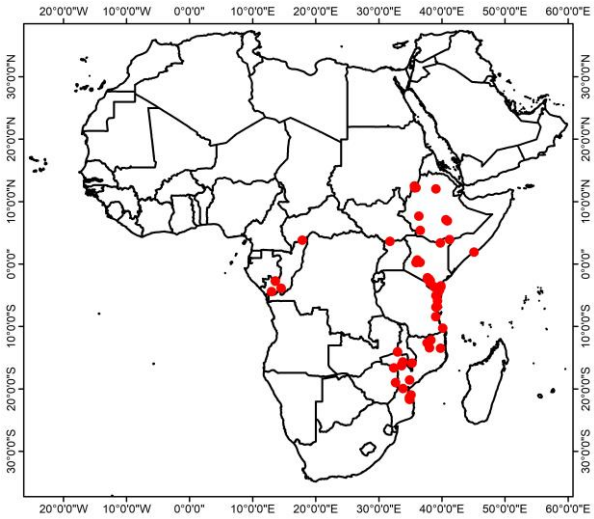

Figure 120. Distribution of *Triaenops afer*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Central African Republic, Congo, Ethiopia, Kenya, Malawi, Mozambique, Somalia, Tanzania, Uganda, Zambia, Zimbabwe.

Triaenops menamena Goodman and Ranivo, 2009

1881. *Triænops Humbloti* A. Milne-Edwards. Type locality: "Africa": Aden (Yemen) or Somalia. Holotype: MNHN ZM-MO-1985-836 (184): ♂, alcoholic (skull missing). Collected by: Léon Humblot; collection date: 1880; original number: 184 or 184A. See Peterson *et al.* (1995: 82). The type series (184 and 184A) contains 3 MM + 3 FF) (Peterson *et al.*, 1995). Rode (1941: 239) refers to the holotype (184) and six paratypes (184a). Paratype: MNHN 184A [a]: ♀. Collected by: Léon Humblot; collection date: 1880; original number: 184 or 184A. See Peterson *et al.* (1995: 82). Paratype: MNHN 184A [b]: ♀. Collected by: Léon Humblot; collection date: 1880; original number: 184 or 184A. See Peterson *et al.* (1995: 82). Paratype: MNHN 184A [c]: ♀. Collected by: Léon Humblot; collection date: 1880; original number: 184 or 184A. See Peterson *et al.* (1995: 82). Paratype: MNHN ZM-MO-1985-838: ♂. Collected by: Léon Humblot; collection date: 1880; original number: 184 or 184A. See Peterson *et al.* (1995: 82). Paratype: MNHN ZM-MO-1985-839: ♂. Collected by: Léon Humblot; collection date: 1880; original number: 184 or 184A. See Peterson *et al.* (1995: 82). - Comments: See Goodman and Ranivo (2009) for futher discussion on the type locality. According to Ranivo and Goodman (2006: 974) the skull of the holotype has been mixed up with the skulls of the paratypes (MNHN 1985-838 and 1985-839). *T. humbloti* is retained as a synonym for both *T. persicus* and *T. menamena* due to the fact

that purely taxonomically it is a synonym of *T. persicus*, but most of the specimens from Madagascar were erroneously assigned this name. In general, the authorship for the Madagascan use would be assigned to a subsequent author or to the same author in a later publication, but in this case, the author already made the error in the original publication.

1881. *Triænops rufus* A. Milne-Edwards, C. R. séances Acad. Sci., Paris, 91: 1035. Publication date: 1881. Type locality: "Africa": Aden (Yemen) or Somalia [Goto Description]. Holotype: MNHN ZM-MO-1997-1854 (185): ♀, skull and alcoholic. Collected by: Léon Humblot; collection date: 1880. See Peterson *et al.* (1995: 82). Ranivo and Goodman (2006: 974) indicate that the skull is still present, but in very bad shape. Specimen labled "Holotype no. 185" (see Goodman and Ranivo, 2009). Paratype: MNHN ZM-MO-1997-1855 (185A): ♀, alcoholic (skull not removed). Collected by: Léon Humblot; collection date: 1880. See Peterson *et al.* (1995). Paratype: MNHN ZM-MO-1997-1856 (185A): ♀, alcoholic (skull missing). Collected by: Léon Humblot; collection date: 1880. See Peterson *et al.* (1995). Paratype: MNHN ZM-MO-1997-1857 (185A): ♀, alcoholic (skull missing). Collected by: Léon Humblot; collection date: 1880. See Peterson *et al.* (1995). - Comments: (see Goodman and Ranivo, 2009).

*2009. *Triaenops menamena* Goodman and Ranivo, Mammalia, 73 (1): 48, 54, fig 1. Publication date: 31 March 2009. Type locality: Madagascar: Mahajanga province: Réserve Naturelle Intégrale de Namoroka, 4 km SSW Namoroka village: Grotte d'Ampidiranamhaja [16 25.957 S 45 17.180 E, 120 m] [Goto Description]. Holotype: FMNH 178563: ♂, skull and alcoholic. Collected by: Julie Ranivo and Fania H. Ratrimomanarivo; collection date: 25 September 2003; original number: S.M. Goodman 13825. - Etymology: From the Malagasy word "mena" meaning "red", which, in common usage, when repeated twice, means "reddish" (see Goodman and Ranivo, 2009: 54). (Current Combination)

? *Triaenops humbloti:*

? *Triaenops rufus:*

TAXONOMY:

These Madagascan specimens were previously included in *persicus* by Hayman and Hill (1971: 30), Hill (1982b), Koopman (1993a: 175), probably based on the type specimens, which are now believed to be collected either in Yemen or Somalia (see Goodman and Ranivo, 2009: 52). Based on actual Madagascan material, Peterson *et al.* (1995: 82), Russ *et al.* (2001), Hutson *et al.* (2001: 18), Goodman *et al.* (2005a: 158), and Simmons (2005: 379) recognized the specimens as representing a separate species.

See also the phylogentic analysis by Russell *et al.* (2007: 847).

Goodman and Ranivo (2009) extensively discuss the origin of the type specimens of *Triænops Humbloti* Milne-Edwards, 1881 and *Triænops rufus* Milne-Edwards, 1881. Their conclusion is that both forms were not from Madagascar but from Yemen or Somalia. Therefore, from a strict taxonomical view, these two names are synonyms of *Triaenops persicus* Dobson, 1871. However, we are also retaining these names in the synonymy of *Triaenops menamena* Goodman and Ranivo, 2009 since these names were always used to identify Madagascan forms, which are currently assigned to *T. menamena*.

COMMON NAMES:

Czech: cíponos madagaskarský. English: Rufous Trident Bat, Red Madagascan Trident Bat. French: Triaenops roux. German: Rötliche Dreizahn-Blattnase.

CONSERVATION STATUS:

Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution across Madagascar. It can tolerate some degree of habitat transformation, is relatively common, and is not thought to be declining fast enough to place it in a category of higher threat (Andriafidison *et al.*, 2008p; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Triaenops rufus*] (Andriafidison *et al.*, 2008p; IUCN, 2009).
2000 - DD ver 2.3 (1994) [assessed as *Triaenops rufus*] (IUCN, 2000).

MAJOR THREATS:

There are no significant threats to this species even though it is occasionally hunted for food (Goodman, 2006) and is often associated with forests that are subject to ongoing degradation (Russell *et al.*, 2007).

CONSERVATION ACTIONS:

Andriafidison *et al.* (2008p) [in IUCN (2009)] report that this species is known to occur in many protected areas: Réserve Spéciale d'Ankarana,

Réserve Spéciale d'Analamerana, Parc National du Tsingy de Bemaraha, Parc National de Namoroka, Parc National de Tsimanampetsotsa, Parc National d'Ankarafantsika, Parc National d'Isalo, Réserve Spéciale d'Ambohitantely, Parc National de Masoala and Réserve Naturelle Intégrale de Tsaratanana (Ranivo and Goodman, 2006; Russ *et al.*, 2003; Russell *et al.*, 2007).

GENERAL DISTRIBUTION:
Triaenops menamena is endemic to the island of Madagascar. It is restricted to the western dry habitats and extreme northeastern and southeastern Madagascar in humid habitats (Goodman and Ranivo, 2009).

Papers prior to 2009 refer to *T. rufus*; see taxonomy section above for more details.

Native: Madagascar (Peterson *et al.*, 1995; Russ *et al.*, 2003; Goodman *et al.*, 2005a; Simmons, 2005; Ranivo and Goodman, 2006; Russell *et al.*, 2007; Rakotoarivelo *et al.*, 2007; Goodman and Ranivo, 2009).

BIOGEOGRAPHY:
See Russell *et al.* (2007).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 57) indicate that the baculum is 'stick-like' with a bifid distal tip and straight mid-shaft. Its basal part is triangular with two distinct lateral projections; length: 1.67 ± 0.12 (1.50 - 1.80) mm, width: 0.71 ± 0.07 (0.61 - 0.79) mm.

ECHOLOCATION:
Kofoky *et al.* (2009: 379) reported the calls from 15 individuals, which produced relatively short CF component followed by brief FM components, the duty cycle was high (25.5 %), with the second harmonic generally contained most energy at about 93.2 kHz, a maximum of three harmonics were also observed. Bambini *et al.* (2011: 84) reported the frequency of maximum amplitude (FMA) to be 95.8 ± 0.1 kHz (n = 21).

Ramasindrazana *et al.* (2013: 434) reported the following data for 11 ♂♂: Resting frequency: 82.3 ± 1.43 (79.6 - 84.0) kHz, F_{max}: 83.6 ± 1.26 (81.4 - 85.2) kHz, F_{min}: 79.5 ± 3.21 (72.2 - 82.3) kHz, duration: 7.5 ± 0.97 (5.5 - 9.4) msec, interpulse interval: 38.3 ± 30.15 (9.8 - 107.4) msec, and for 20 ♀♀: Resting frequency: 93.5 ± 1.47 (90.0 - 96.8) kHz, F_{max}: 94.7 ± 1.49 (91.8 - 98.3) kHz, F_{min}: 91.3 ± 2.00 (87.6 - 95.4) kHz; duration: 7.8 ± 1.54 (5.1 - 10.6) msec, interpulse interval: 35.6 ± 24.75 (14.9 - 127.4) msec.

MOLECULAR BIOLOGY:
DNA - Russell *et al.* (2007).
Karyotype - Unknown
Protein / allozyme - Unknown

HABITAT:
There are no significant threats to this species even though it is occasionally hunted for food (Goodman, 2006) and is often associated with forests that are subject to ongoing degradation (Russell *et al.*, 2007).

Dammhahn and Goodman (2013: 108) mention that this species' foraging habitat is the lower portion of forest.

ROOST:
Wilkinson *et al.* (2012: 160) indicate that caves are the typical roosts for this species on Madagascar.

DIET:
On Madagascar Rakotoarivelo *et al.* (2007) found *T. menamena* (reported as *T. rufus*) mainly consumed Lepidoptera. Bambini *et al.* (2011: 87) reported that *T. menamena* showed a high preference for Hemiptera, and less for Lepidoptera.

Rakotondramanana *et al.* (2015: 77) present the following volume percentages of prey types from the faeces of 16 bats: Coleoptera: 11.6 ± 19.46; Hymenoptera: 11.7 ± 24.20; Lepidoptera: 64.1 ± 32.64; Trichoptera: 0.6 ± 2.25; Isoptera: 11.5 ± 26.32; Homoptera: 0.5 ± 1.55; Arachnida: 0.06 ± 0.25. In frequency percentages, the values are: Coleoptera: 35.0 ± 43.51; Hymenoptera: 42.5 ± 40.58; Lepidoptera: 88.8 ± 30.96; Trichoptera: 3.8 ± 15.00; Isoptera: 17.5 ± 37.86; Homoptera: 3.75 ± 10.88; Arachnida: 1.2 ± 5.00.

POPULATION:
Structure and Density - The species is thought to be locally common in many parts of western Madagascar. A single roost in deciduous forest near the Onilahy River in southern Madagascar contained over 40,000 individuals (Olsson *et al.*, 2006).
Trend - 2008 - Unknown (Andriafidison *et al.*, 2008p; IUCN, 2009).

PARASITES:
Lagadec *et al.* (2012: 1696) reported that 8 out of 10 bats they examined, tested positive for *Leptospira* sp. bacteria, and Gomard *et al.* (2016: 5) found 27 out of 42 bats (64.3 %) to be positive for this bacterium. Dietrich *et al.* (2018a: 3) identified these further as *L. interrogans, L.* sp. and a third form having sequences closely related to *L. borgpetersenii*.

VIRUSES:

Astroviridae

Eight out of 13 specimens tested by Lebarbenchon *et al.* (2017: Suppl.) were positive for Astroviridae.

Paramyxoviridae

Wilkinson *et al.* (2012: 160) tested 10 individuals from the Madagascar using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 2 positive results for viral nucleic acids. Wilkinson *et al.* (2014) tested 30 individuals from Madagascar with a Respiro-, Morbilli- and Henipavirus specific RT-PCR assay, 19 samples tested positive for paramyxovirus RNA.

In their extensive study, Mélade *et al.* (2016b: 3) found this species to be the most infected by paramyxoviruses of all Madagascan bats (21 out of 42 specimens = 50 %).

Rhabdoviridae

Two out of 11 bats tested by Mélade *et al.* (2016a: 6) showed a seroreaction against *Lagos bat lyssavirus*.

UTILISATION:

Goodman (2006) describes the hunting method used by local inhabitants. See also Jenkins *et al.* (2007b), Goodman *et al.* (2008d) and Jenkins and Racey (2008), who refer to *T. rufus*.

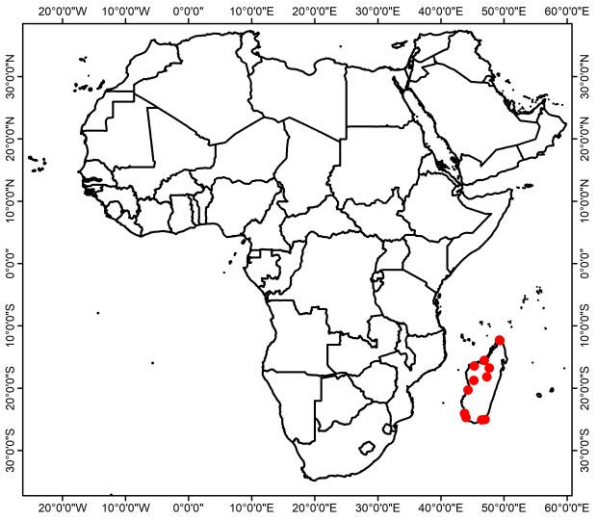

Figure 121. Distribution of *Triaenops menamena*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:

Madagascar.

Superfamily RHINOPOMATOIDEA Dobson, 1872

*1872. *Rhinopomatoidea* Dobson. - Comments: The name of the Superfamily is based on Rhinopomatidae Dobson, 1872. (Current Combination)

TAXONOMY:
Based on morphological data, the family Rhinopomatidae was placed in the superfamily Rhinopomatoidea by Simmons (1998) and Simmons and Geisler (1998), but more recent molecular studies have contradicted many groupings based on morphological data and, pending resolution of the controversies, for this reason Simmons (2005) did not recognize any chiropteran superfamilies.

Family RHINOPOMATIDAE Dobson, 1872

1838. *Rhinopomina* Bonaparte, Syn. Vert. Syst., in Nuovi Ann. Sci. Nat., Bologna, 2: 111 (sep. p. 7). - Comments: .
*1872. *Rhinopomatidae* Dobson, J. Asiatic Soc. Bengal, 41 (3): 221. (Current Combination)
1907. *Rhinopomidae* Miller, Bull. U.S. natl. Mus., 57: 80. Publication date: 29 June 1907. - Comments: Type genus *Rhinopoma* Geoffroy St.-Hilaire, 1818.

TAXONOMY:
This is a monotypic family, with all extant species belonging to the genus *Rhinopoma*.
Koopman (1993a) and Simmons (2005) assigned the name Rhinopomatidae to Bonaparte, 1838 - Syn. Vert. Syst. In Nuovi Ann. Sci. Nat., Bologna, 2: 111; but see Corbet and Hill (1992: 81) and Van Cakenberghe and De Vree (1994). Miller (1907) proposed the name Rhinopomidae and this was adopted by several authors: however, the original name is most commonly used (Aulagnier, 2013d:409).
The family was reviewed by Hill (1977a) and more recently by Van Cakenberghe and De Vree (1994) and Hulva *et al.* (2007b).

Known genera of the family Rhinopomatidae: †***Qarunycteris*** Gunnell, Simmons and Seiffet, 2008; ***Rhinopoma*** E. Geoffroy, 1818.

COMMON NAMES:
Czech: víkonosovití. Dutch: Langstaart-vleermuizen, Muisstaartvleermuizen. English: Mouse-tailed bats. French: Rhinopomes, Chauves-souris à queue de souris, Rhinopomatidés. German: Mausschwanz-fledermäuse, Mausschwanz-Fledermäuse. Italian: Rinopormàtidi, Pipistrèlli a códa di tòpo. Norwegian: Langhalete flaggermus, klaffneser.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The oldest remains of extant rhinopomatids were collected from Egyptian tombs, which have been inhabited by these bats for ca. 3000 years (Aulagnier, 2013d: 410).

The family-level stem and crown ages were calculated by Shi and Rabosky (2015: 1537) to be respectively 51.9 and 26.9 mya.

GENERAL DISTRIBUTION:
The family is distributed from Africa (north of the Equator) to southern Asia through Arabia, the Middle East and India, mainly in semi-arid and arid habitats (Aulagnier, 2013d: 409).

The three species of rhinopomatids occuring in Africa occur in the tropics; two also extend northwards into temperate habitats. In Africa, one species is found in semi-desert vegetation zones, and the remaining two are found in both desert and semi-desert vegetation zones. Two species have also been found in montane habitats (but not above ca. 1200 m) (Aulagnier, 2013d:409-410).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
These bats of primitive structure are characterized by a tail that is exceptionally long and has at least half of its length projecting beyond the narrow interfemoral membrane, slit-like valvular nostrils that can be closed, and a small triangular nose leaf surmounting a hog-shaped muzzle (that gave the name to the genus) (Aulagnier, 2013d:409).
Rhinopomatids are small to medium-sized with moderately long pelage that is generally more or less sepia grey (but varying in colour and tone across the geographic range), and usually paler ventrally. The face, rump and posterior portion of the abdomen are naked and medium brown. A thickened narial pad is present on the end of the muzzle, surmounted by a distinct ridge-like dermal outgrowth (a rudimentary noseleaf). The ears are more or less triangular and joined across the forehead by a connecting band of skin; each ear

has a simple but moderately long and erect tragus. Eyes are relatively large (Aulagnier, 2013d:409). Wings rather narrow; second finger with two bony phalanges (like all other African families); all of the fingers are shorter, relative to the length of the forearm, than in any other bats. The tip of the wing can be shortened by folding to facilitate cursorial locomotion, but not to the same extent as in the Emballonuridae and Molossidae. This is achieved by the terminal phalanx of the third finger bending round, but not fully, upon the ventral surface of the wing (Rosevear, 1965). The hindlimbs are moderately long; the toes (except the hallux) have three phalanges. The tail has sensitive hairs at its distal end (Aulagnier, 2013d: 409).

DENTAL FORMULA:
$^{1113}/_{2123}$ = 28.
The upper incisor (I^2) is very small, barely emerging from the gum. The canines are conical and simple. The first and second upper molars are lacking distinct hypocones.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
The skull is relatively short and broad; there are no postorbital processes. Separate nasal swellings are present on each side of the rostrum. The sagittal crest is low and sharp. The auditory bullae are rather large. The premaxillae are separate from each other and from the adjacent part of the skull.

DETAILED MORPHOLOGY:
Rhinopomatids can accumulate fat in the lower abdominal region; this is metabolized when food is scarce (Aulagnier, 2013d: 410). Their water metabolism reflects extreme adaptations to desert habitats; the concentration of urea in the blood is high, and the skin is poorly vascularized so that loss of water through evaporation is minimal, even at high temperatures (Aulagnier, 2013d: 410).

FUNCTIONAL MORPHOLOGY:
Their wings are adapted for fast flight in open areas, gliding or rapid wing-flapping, but are poor fliers and tire quickly (Aulagnier, 2013d: 410).

SEXUAL DIMORPHISM:
Sexes similar in colour, and males are often slightly larger than females (Aulagnier, 2013d: 409).

ECHOLOCATION:
When echolocating, ultrasound pulses are emitted through the mouth; the echolocation calls are loud with little modulation of frequency when the bats are foraging, and become more frequency-modulated when the bats are approaching prey or when they are emerging from their day-roosts in groups (Schmidt and Joermann, 1986, Aulagnier, 2013d:410).

ROOST:
Rhinopomatids roost in dry caves, crevices, various underground structures and buildings including tombs and pyramids; their day- roosts are impregnated with a characteristic smell (Aulagnier, 2013d: 409).
They sometimes share day-roosts with other species of bats, including other species of rhinopomatids, but the different species do not roost in exactly the same places (Aulagnier, 2013d: 409). Rhinopomatids sometimes roost in clusters numbering up to many thousands of individuals, but most of the groups are smaller (10 - 100 bats) (Aulagnier, 2013d: 410).

MIGRATION:
Some populations are suspected to migrate (Aulagnier, 2013d: 410).

ACTIVITY AND BEHAVIOUR:
The sexes segregate for at least part of the year (Aulagnier, 2013d: 410).
These bats do not hibernate, but they can remain torpid for several days (Aulagnier, 2013d: 410).

MATING:
Little is known of their breeding habits in Africa (Aulagnier, 2013d: 410).

†Genus ***Qarunycteris*** Gunnell, Simons and Seiffert, 2008

*2008. *Qarunycteris* Gunnell, Simons and Seiffert, J. Vert. Paleont., 28 (1): 6. - Comments: Type species - *Qarunycteris moerisae*. - Etymology: Combination of *Qarun* for Birket Qarun, a large lake near BQ-2 Quarry with *Nykteris*, Greek for bat (Gunnell *et al.*, 2008). (Current Combination)

TAXONOMY:
See Gunnell *et al.* (2008).

Known species of the genus *Qarunycteris*: †***moerisae*** Gunnell, Simons and Seiffert, 2008.

SIMILAR SPECIES:
See Gunnell *et al.* (2008).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
See Gunnell *et al.* (2008).

GENERAL DISTRIBUTION:
Egypt (Gunnell *et al.*, 2008).

MORPHOLOGY:
See Gunnell *et al.* (2008).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL

†***Qarunycteris moerisae*** Gunnell, Simons and Seiffert, 2008

*2008. *Qarunycteris moerisae* Gunnell, Simons and Seiffert, J. Vert. Paleont., 28 (1): 3, 6, fig. 4F. Type locality: Egypt: Fayum Depression: Quarry BQ-2: Umm Rigl Member of the Birket Qarun Formation. Holotype: CGM 83671. M2. - Etymology: For Lake Moeris, the ancient name of Birket Qarun (Gunnell *et al.*, 2008). (Current Combination)

TAXONOMY:
See Gunnell *et al.* (2008).

Timeframe:
Earliest late Eocene, Priabonia.

SIMILAR SPECIES:
See Gunnell *et al.* (2008).

GENERAL DISTRIBUTION:
Egypt (Gunnell *et al.*, 2008).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
See Gunnell *et al.* (2008).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Gunnell *et al.* (2008).

Genus ***Rhinopoma*** E. Geoffroy St.-Hilaire, 1818

*1818. *Rhinopoma* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 113. Publication date: 1818. - Comments: Type: *Vespertilio microphyllus* Brünnich, 1782. - Etymology: From the Greek "*ρις*" (rhís) or "*ρινός*" (rhinós), meaning "nose or snout", and "*πώμα*" (pomatòs), meaning "lid, cover", referring to the valvular nostrils, which open through a narrow, transverse slit (see Palmer, 1904: 607; Lanza *et al.*, 2015: 180). (Current Combination)

1821. *Rhynopoma* Bowdich, Anal. Nat. Class. Mamm, : 30. - Comments: Type: Vespertilio microphyllus Brünnich, 1782.

1854. *Rhinopomus:* Gervais, Histoire Naturelle des Mammifères, 202. - Comments: Lapsus (Allen, 1939a: 64). (Lapsus)

2017. *Rhinopona:* Loumassine, Allegrini, Bounaceur, Peyre and Aulagnier, Mammalia, xx (x): xxx. Publication date: 23 February 2017. (Lapsus)

TAXONOMY:
Revised by Hill (1977a) and Van Cakenberghe and De Vree (1994).
Allen (1939a: 64) assigned *Rhinopoma* to Oken, 1816, Lehrbuch d. Naturgesch., pt. 3, zool., Sect. 2, p. 926, but this name was rendered "Not Available" by Opinion 417 (International Commission on Zoological Nomenclature, 1956).

A key of the genus is given in Van Cakenberghe and De Vree (1994: 21).

Known species of the genus *Rhinopoma*: ***cystops*** Thomas, 1903; *hardwickii* Gray, 1831; ***macinnesi*** Hayman, 1937; ***microphyllum*** (Bünnich, 1782); *muscatellum* Thomas, 1903 – United Arab Emirates, Oman, Yeman, southwestern Iran, southern Afghanistan, western Pakistan, southwestern India (Simmons, 2005: 381).

Ethiopian records of *Rhinopoma muscatellum* Thomas, 1903, mentioned by Koopman (1993a) represent *Rhinopoma macinnesi* Hayman, 1937 (see Van Cakenberghe and De Vree, 1994: 20), therefore *R. muscatellum* is no longer included in the list of African species.

COMMON NAMES:
Czech: víkonosi, nosalecové, klaponosové. English: Mouse-tailed bats. French: Rhinopomes. German: Mausschwanz-Fledermäuse. Italian: Rhinopòma.

PARASITES:
Streblidae: *Brachytarsina alluaudi* (Falcoz, 1923) (Haeselbarth *et al.*, 1966: 101).
DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa".

Rhinopoma cystops Thomas, 1903

1816. *Rhinopoma brevicaudatum* Oken, Lehrbuch Naturgeschichte, Jena, 3 (2): 926. Type locality: Egypt: "Egypt". - Comments: Not available, ICZN Opinion 417, 1956 (Van Cakenberghe and De Vree, 1994: 14).

1866. *Rhinopoma longicaudatum* Fitzinger, in: Heuglin and Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 54 (1) 10: 547. Type locality: Sudan: Sennaar [15 35 N 33 38 E, 425 m]. - Comments: Nomen nudum: Kock (1969a: 35), Van Cakenberghe and De Vree (1994: 14).

1866. *Rhinopoma sennaariense* Fitzinger, in: Heuglin and Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 54 (1) 10: 547. Type locality: Sudan: Anglo-Egyptian Sudan, near Roseires: Sennaar and Fazoglo [=Fazughli] [ca. 11 20 N 34 45 E]. - Comments: Type locality restricted to Fazughli by Kock (1969a: 35). Nomen nudum: see Harrison and Bates (1991: 29), Van Cakenberghe and De Vree (1994: 14). Validated by Kock (1969a) according to Qumsiyeh and Jones (1986: 1).

1868. *Rhinopoma sennarense* Hartmann, Z. Gesel. f. Erdk., 3 (28/29): 44. - Comments: Nomen nudum: Van Cakenberghe and De Vree (1994: 14).

1877. *Rhinopoma senaarense, potius senarense:* Heuglin, Reise in Nordost Afrika, 2: 24. Publication date: 1877. - Comments: Emendation of *sennariense* Fitzinger 1866 (see Kock, 1969a: 35); Lapsus: Van Cakenberghe and De Vree (1994: 14). (Lapsus, Emendation)

*1903. *Rhinopoma cystops* Thomas, Ann. Mag. nat. Hist., ser. 7, 11 (65): 496. Publication date: 1 May 1903. Type locality: Egypt: Qena province: Luxor [25 41 N 32 39 E] [Goto Description]. Holotype: BMNH 1902.1.17.2: ad ♀, skull and alcoholic. Collected by: Nathanial Charles Rothschild. Presented/Donated by: Nathanial Charles Rothschild. See Thomas (1903b: 497); Kock (1969a: 35); Qumsiyeh (1985: 20). Paratype: BMNH 1902.1.17.1: ad ♂. Collected by: Nathanial Charles Rothschild. - Etymology: From the Greek substantive "*κύστις*" (kystis) meaning "bladder" and "*ὄφις*" (ópsis) meaning "eye-ball", referring to the large eyes (see Lanza *et al.*, 2015: 182, Lanza *et al.*, 2015: 182). (Current Combination)

1917. *Rhinopoma longicaudum:* Geyr von Scheppenburg, J. Ornithol., 65 (3): 283. Publication date: July 1917. (Lapsus)

1954. *Vespertilio brevicauda* Stresemann, Abh. d. Akad. Wiss., Berlin, 1: 172. Type locality: Egypt: Giza province: Saqqara [29 51 N 31 13 E]. Holotype: ZMB 46211: ♂, skull and alcoholic. Collected by: Friedrich Wilhelm Hemprich and Christian Gottfried Ehrenberg; collection date: April 1821; original number: A.1.6.69. Formerly ZMB 564.3 "Sendung Nr 69-71"; see Kock (1969a: 35); Turni and Kock (2008). Holotype: ZMB 564.c: ♂. Collected by: Friedrich Wilhelm Hemprich and Christian Gottfried Ehrenberg; collection date: April 1821. - Comments: Label name from Hemprich, without nomenclatural status, see Kock (1969a: 35), Van Cakenberghe and De Vree (1994: 14).

1954. *Vespertilio ferox* Stresemann, Abh. d. Akad. Wiss., Berlin, 1: 172. Type locality: Egypt: Giza province: Saqqara [29 51 N 31 13 E]. Holotype: ZMB 46210: ♂, skull and alcoholic. Collected by: Friedrich Wilhelm Hemprich and Christian Gottfried Ehrenberg; collection date: April 1821; original number: A.1.6.68. Formerly ZMB 564.2 "Sendung nr 67-68"; see Kock (1969a: 35), Turni and Kock (2008). Holotype: ZMB 564.b: ♂. Collected by: Friedrich Wilhelm Hemprich and Christian Gottfried Ehrenberg; collection date: April 1821. - Comments: Label name from Hemprich, without nomenclatural status, see Kock (1969a: 35), Van Cakenberghe and De Vree (1994: 14).

1956. *Rhinopoma hardwichei cystops:* Möhres and Kulzer, Verh. D. zool. Ges., 19: 60. - Comments: Lapsus (see Van Cakenberghe and De Vree, 1994: 15). (Lapsus)

1961. *Rhinopoma lardwickei cystops:* Madkour, Bull. Zool. Soc. Egypt, 16: 50. - Comments: Lapsus (see Kock, 1969a: 35; Van Cakenberghe and De Vree, 1994: 15). (Lapsus)

1969. *Rhinopoma hardwickei sennaariense* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 40, 51. Type locality: Sudan: Blue Nile province: Fazogli [=Fazughli] [11 20 N 34 45 E] [Goto Description]. - Comments: Validation of *sennaariense* Fitzinger, 1866, *nomen nudum*. Hill (1977a) pointed out that *sennaariense* Kock, 1969 is a synonym of *arabium* (see Harrison and Bates, 1991: 30).

1971. *Rhinopoma hardwickei sennaarinese:* Hill and Morris, Bull. Br. Mus. (nat. Hist.) Zool., 21 (2): 30. - Comments: Lapsus (see Van Cakenberghe and De Vree, 1994: 15). (Lapsus)

1975. *Rhinopoma senaariense:* Koopman, Bull. Am. Mus. Nat. Hist., 154 (4): 367. - Comments:

Lapsus (see Van Cakenberghe and De Vree, 1994: 15). (Lapsus)
1985. *R[hinopoma] h[ardwickei] sinaariense:* Qumsiyeh, Spec. Publ. Mus. Texas Tech. Univ., 23: 22. - Comments: Lapsus: attributed to Kock (1969a) by Qumsiyeh (1985: 22). (Lapsus)
2015. *Rhinopoma cytops:* Kangoyé, Ouéda, Granjon, Thiombiano, Guenda, and Fahr, Biod. J., 6 (2): 613. Publication date: 30 June 2015. (Lapsus)
2015. *Rhinopoma hardweickei:* Mohammed, Endocrinol. Metab. Synd., 4: 1. Publication date: 5 January 2015. - Comments: *Rhinopoma hardweickei* for *R. harwickei* [= *R. cystops*]. (Lapsus)
? *Rhinopoma hardwickei arabium:* (Alternate Spelling)
? *Rhinopoma hardwickei cystops:* (Name Combination)
? *Rhinopoma hardwickei hardwickei:* - Comments: Only for the African specimens.
? *Rhinopoma hardwickei:* - Comments: Emendation of *hardwickii*, since the species was named after Maj. Gen. Hardwicke, but according to Hill (pers. comm.) this was unjustified since Gray latinized the name. Only for the African specimens. (Emendation)
? *Rhinopoma hardwickii arabium:* (Lapsus)
? *Rhinopoma hardwickii cystops:* (Name Combination)
? *Rhinopoma Hardwickii:* - Comments: Not of Gray (1831), which is restricted to Asia (see Hulva *et al.*, 2007b), but when used for the African specimens.

TAXONOMY:
See Schlitter and Qumsiyeh (1996, Mammalian Species, 263), Van Cakenberghe and De Vree (1994: 20) as *Rhinopoma hardwickii*.

Hulva *et al.* (2007b) restrict *R. hardwickii* to Asia (Iran to Indonesia) and reinstate *cystops* as the species name for the African and Western Asian representatives.

Ahmim and Tahri (2017: 71) indicate that in Algeria, Niger, and Egypt, two forms of "*R. Hardwickii*" differing in size are known, which casts doubt on the recent taxonomic discrimination of the genus *Rhinopoma*, implying that besides *R. cystops* another small sized species might need to be recognized in northern Africa.

COMMON NAMES:
Arabian: Khafash abu danab saghir. Czech: víkonos africký. Dutch: Kleine klapneusvleermuis. English: Hardwicke's Mouse-tailed Bat, Lesser Mouse-tailed Bat, Small mouse-tailed bat, Lesser Rat-tailed Bat, Egyptian Mouse-tailed bat. French: Petit Rhinopome, Rhinopoma moyen, Rhinopome de Hardwicke, Chauve-souris à queue de souris. German: Hardwickes Mausschwanz-Fledermaus, Kleine Mausschwanzfledermaus. Italian: Rhinopòma àfro-ovestasiàtico.

CONSERVATION STATUS:
Global - "*Rhinopoma hardwickii*" is listed as least concern because it is a widespread and common species with no major threats (Benda *et al.*, 2008e; IUCN, 2009). Due to the recent status change of *R. cystops*, most of the African data for this taxon were reported under *R. hardwickii*.

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as part of *Rhinopoma hardwickii*] (Benda *et al.*, 2008e; IUCN, 2009). 2004 - LC ver 3.1 (2001) [assessed as part of *Rhinopoma hardwickii*] (Benda, 2004b; IUCN, 2004). 1996 - VU [assessed as *R. hadithaensis*] (Baillie and Groombridge, 1996); LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
Human disturbance in roost sites and pesticide use against locusts are the main threats. In arid areas of Iran which can not support high numbers of colonies, they aggregate in a few large groups which increases their vulnerability (M. Sharifi *pers. comm.,* 2005). These are not thought to be major threats to the species as a whole at present (Benda *et al.*, 2008e; IUCN, 2009).

Aerial hawking and water stress are considered to be the major risk factors related to climatic change (Sherwin *et al.*, 2012: 174 as *Rhinopoma hardwickei*).

CONSERVATION ACTIONS:
Benda *et al.* (2008e) [in IUCN (2009)] reported that no specific measures are known or are in place, but presumably occurs in protected areas across the range. A study on the impacts of pesticides is required, especially ways in which the impact might be minimised.

GENERAL DISTRIBUTION:
Rhinopoma cystops occurs across central and northern Africa; from Morocco to Israel, Palestine, Jordan Iraq and Afghanistan and south to Kenya. Occurs up 1,100 m asl in Morocco and Algeria.

The Kenyan material mentioned by Koopman (1993a) belongs to *R. macinnesi*, see Van Cakenberghe and De Vree (1994: 17 - 18).

Native: Afghanistan; Algeria (Horácek *et al.*, 2000: 97); Burkina Faso (Kangoyé *et al.*, 2015a: 613); Cameroon; Chad; Djibouti (Pearch *et al.*, 2001: 392); Egypt (Sinai; first record; see Benda *et al.*, 2008e: 1; Carpenter *et al.*, 2014: 180); Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 147); India; Iran, Islamic Republic of; Iraq; Israel; Jordan; Kenya (but see note above); Kuwait; Libyan Arab Jamahiriya; Mali; Mauritania (Brito *et al.*, 2010: 452, as *R. hardwickei*, Allegrini *et al.*, 2011: 3); Morocco (Benda *et al.*, 2004d; Benda *et al.*, 2010a: 154; El Ibrahimi and Rguibi Idrissi, 2015: 358, as *R. hardwickei*); Niger; Nigeria; Oman; Saudi Arabia; Somalia; Sudan; Syrian Arab Republic; Tunisia (Horácek *et al.*, 2000: 97; Dalhoumi *et al.*, 2016b: 866); Western Sahara; Yemen (Socotra).

DETAILED MORPHOLOGY:
Mohammed (2015) extensively discuss the pituitary gland of Egyptian "*R. hardwickei*".

SEXUAL DIMORPHISM:
Kangoyé *et al.* (2015a: 613) indicate that most of the average body measurements are larger in females than in males, but that the average cranial measurements are larger in males.

ECHOLOCATION:
Frequency of CF-component (second harmonic) during pursuit of insect (Egypt): 36 - 40 kHz; call-duration 6 - 10 ms; call-repetition rate ca. 10 call/s. Darting flight is accompanied by shortening the signals to 1 ms or less and increasing the call-repetition rate to ca. 100 calls/s; laboratory tests indicated that Doppler shift compensation is probably not used by this species (Simmons *et al.*, 1984). When three individuals flew together in the laboratory, each used a different CF-frequency suggesting that they regulate the CF-frequency to avoid jamming each other (Habersetzer, 1981). After landing, CF calls of mean duration 74 ms are emitted and these have maximum energy in fundamental harmonic; the purpose of these calls (echolocation and/or communication) is not known (ibid.). The first harmonic frequencies (18 - 20 kHz; Simmons *et al.*, 1984) of calls made in a roost in Morocco were audible to humans (Aulagnier and Destre, 1985).

In Jordan, Benda *et al.* (2010b: 204) reported the following parameters for 59 calls: Start frequency: 36.4 ± 1.5 (33.2 - 39.6) kHz, End frequency: 32.5 ± 1.4 (29.5 - 35.8) kHz, Peak frequency: 34.3 ± 1.2 (32.0 - 37.1) kHz, Call duration: 8.0 ± 1.6 (4.5 - 12.0) msec, Inter-pulse interval: 116.0 - 29.9 (60.0 - 210.0) msec.

From Tunisia, Dalhoumi *et al.* (2016b: 866) reported an almost constant frequency with three or four harmonics and maximum energy in the second harmonic (at 32 kHz).

Moores and Brown (2017: 612) recorded the following parameters in southern Morocco: F_{start}: 34.6 ± 0.5 (33.6 - 35.6) kHz, F_{max}: 33.6 ± 0.4 (32.8 - 34.4) kHz, F_{end}: 33.0 ± 0.5 (32.5 - 34.1) kHz, duration: 9.4 ± 0.8 (8.6 - 11.1) msec, interpulse interval: 260 ± 122 (69 - 520) msec.

MOLECULAR BIOLOGY:
DNA - Giannini and Simmons (2005); Ali (2011).
Karyotype - Ray-Chaudhuri *et al.* (1968) and Rushton (1970: 463) reported 2*n* = 36, FN = 68, BA = 34, a submetacentric X chromosome and an acrocentric Y chromosome for specimens from India, this data now relates to *Rhinopoma hardwickii*. Qumsiyeh and Baker (1985) reported an identical karyotype for specimens from Palestine, which are now referred to *Rhinopoma cystops* see Hulva *et al.* (2007a). Sayed (2011: 659) also reported 2*n* = 36 and FN = 68 for *R. hardwickei* specimens from Egypt, with a medium-sized submetacentric X chromosome and an acrocentric Y chromosome. Pairs 13 and 15 show a broad G-negative region around their centromere, and complete heterochromatin in the short and long arm. Pair 5 also shows a broad G-negative region around its centromere, and the Y chromosome has complete heterochromatin.

Protein / allozyme - Unknown.

Mansour *et al.* (2016: 66) examined the occurrence of heavy metals in bats from two caves in the Saqqara region of Egypt and found that cobalt was not detected in any sample analyzed. Cd, Mo, Ni and Pb were found in low concentrations (generally less than 1.0 µg/g tissue). In the livers, moderate concentrations of Ba, Cr, Cu and Mn and very high concentrations of Ca, Fe and Mg were recorded. Liver tissue from males contained much higher levels of Al and Ba than those from females.

ROOST:
In Israel, Levin *et al.* (2015: 1, 3) found that *R. cystops* hibernates during five months in winter in caves that were geothermally heated to a stable temperature of 20 °C, with almost 100 % relative humidity. They also found that the bat's skin temperature was 1 - 3 °C above the average cave temperature, and that during the same period, the outside temperatures fluctuated between 4 and 22 °C. During the hibernation, no period arousal or periods of normothermy were observed.

Benda *et al.* (2014c: 10) observed a colony of about 40 specimens in two ground floor rooms of a ruin of an Italian fortress in the Al Jaghbub oasis (Libya).

DIET:
Benda *et al.* (2014c: 14) examined 40 faecal pellets of *R. cystops* from the Al Jaghbub oasis (Libya). The diet consisted primarily of ants (Hymenoptera: Formicoidea; 81 % of volume) and furthermore of beetles (Coleoptera, mostly of the family Tenebrionidae).

POPULATION:
Structure and Density - Appears to be particularly abundant near oases. However, both distribution and abundance are undoubtedly insufficiently investigated because the roosts and suitable habitats are often unreachable. Colonies range in size from a few individuals up to several hundred. Up to 500 individuals have been reported in colonies in Jordan (Amr, 2000). Loumassine *et al.* (2017c:28) reported on a colony of about 100 animals in an old mine in Algeria.

Occurs with other species in the genus, in Iran it is normally found in low numbers and low densities and it feeds on coleoptera (M. Sharifi pers. comm., 2005). Assumed stable throughout the southwest Asia region (D. Kock *pers. comm.*, 2005). Population information remains unknown for its African distribution (Benda *et al.*, 2008e; IUCN, 2009).

Trend - 2008 - Stable (Benda *et al.*, 2008e; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Gharaibeh (1997: 47) reported two pregnant females captured in Tunisia on 26 May 1996.

MATING:
Khajuria (1972: 307) report on the mating behaviour of the closely related Indian *R. h. hardwickei*, but whether this is also applicable for *R. cystops* is uncertain.

PARASITES:
ACARI
Argasidae: *Argas vespertilionis* was reported from Libyan bats by Benda *et al.* (2014c: 15), and two larvae of *Argas confusus* (Argasidae) on *R. cystops* specimens in Jordan (Benda *et al.*, 2010b: 212).
Trombiculidae: *Grandjeana mauritanica* Kalúz and Ševcík, 2014 on *R. cystops* specimens from Mauritania (Kalúz and Ševcík, 2014: 31).

Bendjeddou *et al.* (2017: 15) reported the following ectoparasites from Algeria: *Nycteribia (Listropoda) schmidlii schmidlii* Schiner, 1853 (Nycteribiidae) and *Argas vespertilionis* (Latreille, 1802) (Arachnida).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Burkina Faso, Chad, Djibouti, Egypt, Ethiopia, Israel, Kenya, Libya, Mali, Mauritania, Morocco, Niger, Senegal, Somalia, South Sudan, Sudan, Tunisia.

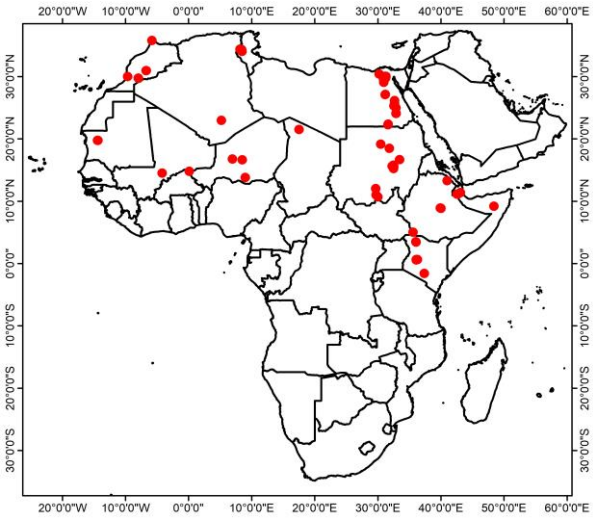

Figure 122. Distribution of *Rhinopoma cystops*

Rhinopoma macinnesi Hayman, 1937

*1937. *R[hinopoma] cystops macinnesi* Hayman, in: St. Leger, Ann. Mag. nat. Hist., ser. 10, 19 (113): 530. Publication date: 1 May 1937. Type locality: Kenya: Lake Rudolf, near Central Island: Bat Island [03 27 N 36 04 E, 700 m] [Goto Description]. Holotype: BMNH 1936.11.4.45: ad ♂, skull and alcoholic. Collected by: D.G. MacInnes; collection date: 24 April 1934. - Etymology: In honour of Mr. Donald Gordon MacInnes, eminent English palaeontologist, who worked in eastern Africa and collected of the type specimen (see Lanza *et al.*, 2015: 189).
? *Rhinopoma macinnesi:* (Name Combination, Current Combination)

TAXONOMY:
Considered a synonym of *hardwickei* by Koopman (1993a), but see Van Cakenberghe and De Vree (1994: 20).

COMMON NAMES:
Czech: víkonos východoafrický. English: MacInnes's Mouse-tailed Bat. French: Rhinopome

de MacInnes. German: MacInnes' Mausschwanz-Fledermaus. Italian: Rinopòma di MacÌnnes.

CONSERVATION STATUS:
Global - *Rhinopoma macinnesi* is listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Aulagnier, 2008; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Aulagnier, 2008; IUCN, 2009). 2004 - VU D1 ver 3.1 (2001) (Aulagnier, 2004a; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
Rhinopoma macinnesi may be threatened by habitat loss, although this requires confirmation (Aulagnier, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Aulagnier (2008) [in IUCN (2009)] reported that there appear to be no direct conservation measures in place. It is possible that the species is present in some protected areas. Further research is needed into the distribution, natural history and possible threats to this species.

GENERAL DISTRIBUTION:
Rhinopoma macinnesi is endemic to East Africa, where it has mostly been recorded from Kenya with additional records from the eastern edge of Uganda, Somalia, Ethiopia and possibly Eritrea (Aulagnier, 2008; IUCN, 2009).

Native: Ethiopia; Kenya; Somalia; Uganda
Presence uncertain: Eritrea

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species. It is believed to have a small population as several expeditions to the species range have not collected specimens (Aulagnier, 2008; IUCN, 2009).
Trend - 2008 - Unknown (Aulagnier, 2008; IUCN, 2009).

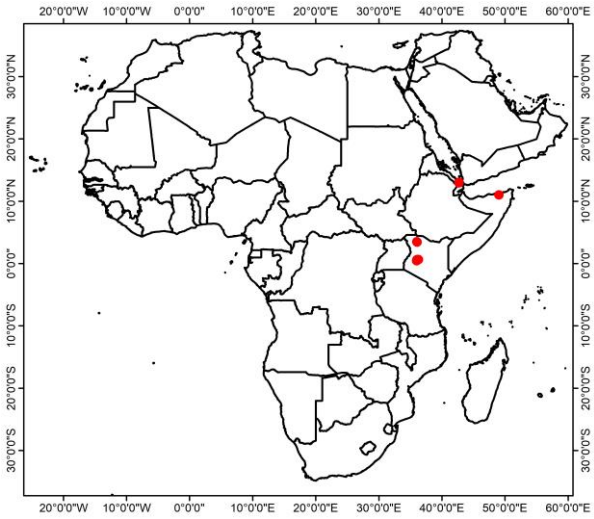

Figure 123. Distribution of *Rhinopoma macinnesi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Eritrea, Kenya, Somalia.

Rhinopoma microphyllum (Brünnich, 1782)

*1782. *Vespertilio Microphyllus* Brünnich, Dyrenes Historie, 1: 50, pl. 6; figs. 1 - 4. Type locality: Egypt: Giza province: Giza [30 01 N 31 13 E]. Holotype: MNHN A.121/T196: ♀, alcoholic (skull not removed). Number 196 in Rode (1941: 242), who calls this the holotype. Holotype: ZMUC. Collected by: Hasselquist. See Kock (1969a). Paratype: MNHN A.123/196B: ad, alcoholic (skull not removed). Number 196b in Rode (1941: 242). Paratype: MNHN A.124/196C: ad ♀, alcoholic (skull not removed). Number 196c in Rode (1941: 242). Paratype: MNHN A.125/196D: ad ♂, alcoholic (skull not removed). Number 196d in Rode (1941: 242). Allotype: MNHN A.122/196A: ♂, alcoholic (skull not removed). Number 196a in Rode (1941: 242). - Comments: Corbet and Hill (1992: 82) and Horácek *et al.* (2000: 96) mention "Arabia and Egypt" as type locality. Type locality fixed by Koopman (1975: 366) but also Aellen (1957), Anderson and de Winton (1902), Kock (1969a) - See Schlitter and Qumsiyeh (1996: 1). - Etymology: From the Greek "*μικρός*" (mikrós), meaning "small" and "*φύλλον*" (phýllon), meaning "leaf" (see Schlitter and Qumsiyeh, 1996: 4; Lanza *et al.*, 2015: 193).

1820. *Rhinopoma microphylla:* Desmarest, Encyclopédie Méthodique, (Zoologie, Mammalogie), 1: 129. Publication date: 1820. (Current Combination, Alternate Spelling)

1859. *Rhinopoma Lepsianum* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 222. Publication date: 1859. Type locality: Sudan: Khartoum [15 40 N 32 35 E] [Goto Description]. Lectotype: ZMB 2578: ad ♂, skull and alcoholic. Collected by: Lepsius; collection date: 1844?. Lectotype designated by Kock (1969a: 54, 57); skull extracted in the 1960's by D. Kock (see Turni and Kock (2008: 22). Paralectotype: ZMB A.3243: ad, skull only.

Paralectotype designated by Turni and Kock (2008: 22). - Comments: Type locality mentioned as Blue Nile by Kock (1969a: 58); as White Nile by Koopman (1975: 366), Turni and Kock (2008: 22). See Turni and Kock (2008: 22) for a discussion on the fact that Peters possibly used this skull to describe *lepsianum*).

1877. *Rhinopoma cordofanicum* Heuglin, Reise in Nordost Afrika, 2: 24. Publication date: 1877. Type locality: Sudan: Jebel Arashkool: W bank of the White Nile [ca. 14 15 N 32 10 E]. - Comments: Allen (1939a: 64) mentions Heuglin and Fitzinger, 1866. Sitzb. K. Akad. Wiss. Wien, 54, sec 1, 547 as author. Nomen Nudum. Included in *hardwickei* by Kock (1969a: 35).

1969. *Rhinopoma microphyllum tropicalis* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 58. Type locality: Sudan: Kordofan province: 2 km NE Kadugli: Jebel Talao [11 02 N 29 43 E, 550 m] [Goto Description]. Holotype: SMF 33265: sad ♂, skin and skeleton and skull. Collection date: 12 February 1963. See Kock (1969a: 58): [number 33216 possibly???]. Paratype: SMF 33198: ♂, skull and alcoholic. Collected by: Dr. Dieter Kock; collection date: 6 January 1965. Locality: Jebel Talao. Paratype: SMF 33199: ♂, skull and alcoholic. Collected by: Dr. Dieter Kock; collection date: 6 January 1965. Locality: Jebel Talao. Paratype: SMF 33200: ♂, skull and alcoholic. Collected by: Dr. Dieter Kock; collection date: 6 January 1965. Locality: Jebel Talao. Paratype: SMF 33214: ♂, skull and alcoholic. Collection date: 22 October 1962. Locality: Jebel Talao. Paratype: SMF 33215: ♀, skull and alcoholic. Collection date: 16 February 1963. Locality: Jebel Talao. - Comments: Most likely a synonym of *R. m. microphyllum*. If a valid subspecies, *lepsianum* or *cordofanicum* may have priority (see Schlitter and Qumsiyeh, 1996: 1).

1985. *Rhinopoma mircophylum kineari:* Bhatnagar and Parveen, Nat. Acad. Sci. Letters, 8 (2): 64. - Comments: Lapsus for *microphyllum*. (Lapsus)

? *Rhinopoma microphyllum microphyllum:* (Name Combination)

? *Rhinopoma microphyllum:* (Name Combination)

TAXONOMY:
See Schlitter and Qumsiyeh (1996, Mammalian Species, 542).

COMMON NAMES:
Arabian: Khafash abu danab kabir. Bengali: Indur-lenji Chamchika. Czech: víkonos velký, nosalec malolupenný, klaponos egyptský, víkonos, víkonos egyptský, víkonos asijský. Dutch: Grote klapneusvleermuis. English: Larger Mouse-tailed Bat, Long-tailed Bat, Greater Mouse-tailed Bat, Rat-tailed Bat, Brunnich's Mouse-tailed Bat, Larger Rat-tailed Bat, Greater Rat-tailed Bat. French: Grand Rhinopome, Rhinopome microphylle. German: Ägyptische Mausschwanz-Fledermaus. Indonesian: Kelelawar ekor lembing, Kelelawar Ekor-tikus. Italian: Rinopòma microfìllo.

CONSERVATION STATUS:
Global - *Rhinopoma microphyllum* is listed as Least Concern (LC ver 3.1 (2001)) as it is widespread and common in at least parts of its range, with no known major threats (Aulagnier and Palmeirim, 2008b; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Aulagnier and Palmeirim, 2008b; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Aulagnier, 2004b; IUCN, 2004). 1996 - LR: lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
Human disturbance in roost sites and use of pesticides for locusts affect the species but are not considered major threats at present (Aulagnier and Palmeirim, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Aulagnier and Palmeirim (2008b) [in IUCN (2009)] reported that no specific measures are known for this species, but presumably it occurs in some protected areas. A study on the impacts of pesticides is required, especially ways in which the impact might be minimised.

GENERAL DISTRIBUTION:
The distribution range of *Rhinopoma microphyllum* extends from northern Africa through southwest Asia to Afghanistan, Pakistan and India. In southeast Asia, there are single old records from Thailand and Sumatra. Recorded from sea level in Egypt up to 1,200 m in Morocco (Aulagnier and Palmeirim, 2008b; IUCN, 2009).

Native: Afghanistan; Algeria (Loumassine *et al.*, 2017b: 85); Bangladesh; Benin; Burkina Faso (Kangoyé *et al.*, 2015a: 613); Central African Republic; Chad; Côte d'Ivoire; Djibouti (Pearch *et al.*, 2001: 393); Egypt; Eritrea; Ethiopia; Ghana; Guinea; India; Indonesia; Iran, Islamic Republic of; Iraq; Israel; Jordan; Lebanon; Liberia; Mali; Mauritania (Benda *et al.*, 2004a: 105); Morocco (El Ibrahimi and Rguibi Idrissi, 2015: 358); Myanmar

(see Corbet and Hill, 1992); Niger; Nigeria; Oman; Pakistan; Saudi Arabia; Senegal; Sierra Leone; Sudan; Sumatra; Syrian Arab Republic; Togo; Western Sahara; Yemen.
Presence uncertain: Libyan Arab Jamahiriya; Thailand; Tunisia.

ECHOLOCATION:
Search-phase call-shape (locality not given): CF (multiharmonic) (Schmidt and Joermann, 1983). Frequency of CF-component (second harmonic): 27 - 31 kHz (but each individual emits only one frequency); call-duration "long". When flying in a flight-tunnel, this species emits shorter and slightly frequency-modulated calls (as does *R. hardwickii*). However, if 3 individuals fly together in the flight-tunnel, instead of avoiding jamming by changing to three different frequencies (see *R. hardwickii*), the main response of these bats is to greatly increase the intensity of their calls (ibid.). Cvikel *et al.* (2014: 2) showed that *R. microphyllum* doesn't show the classical jamming avoidance response: they altered their signals as if they were responding to a nearby (silent) object. They also found that individuals exhibit sufficient frequency spread to allow individual recognition without any jamming avoidance response.

In Jordan, Benda *et al.* (2010b: 204) recorded the following parameters for 9 calls: F_{start}: 29.6 ± 0.3 (28.9 - 30.0) kHz, F_{end}: 25.7 ± 0.6 (25.2 - 26.7) kHz, F_{peak}: 28.0 ± 0.7 (27.0 - 29.0) kHz, Pulse duration: 11.7 ± 0.8 (10.5 - 13.0) msec, and Inter-pulse Interval: 202.3 ± 46.8 (110.0 - 267.0) msec.

Benda *et al.* (2012a: 182) reported the following values from Iran (hand released): F_{start}: 29.8 ± 0.6 (29.0 - 30.4) kHz, F_{end}: 25.3 ± 0.2 (25.0 - 25.5) kHz, F_{peak}: 27.1 ± 0.4 (26.8 - 27.7) kHz, Pulse duration: 7.9 ± 0.3 (7.6 - 8.3) msec, and inter-pulse interval: 114.6 ± 7.9 (106.5 - 127.2) msec.

From Israel the following parameters were reported by Hackett *et al.* (2016: 223): 116 calls: Pulse duration: 8.37 ± 2.51 msec, F_{start}: 30.21 ± 1.95 (28.0 - 31.2) kHz, F_{end}: 28.99 ± 1.72 (27.0 - 30.2) kHz, F_{peak}: 29.42 ± 1.72 (28.0 - 30.2) kHz.

From Algeria, Loumassine *et al.* (2017b: 87) reported on four harmonics, of which the second one had the most energy: F_{start}: 31.9 - 37.9 Khz, F_{max}: 28.2 - 31.2 kHz, F_{end}: 23.1 - 25.2 kHz, and pulse duration: 3.2 - 6.1 msec.

Davies *et al.* (2013b: Table S8) report a peak-frequency of 28 kHz and a range between 27 and 30 kHz.

Boonman *et al.* (2013b: 6) determined the detection range to be between 2 and 6.5 m at 20 dB and 5.5 and 14 m at 0 dB.

MOLECULAR BIOLOGY:
DNA - Hulva *et al.* (2007a).
Karyotype - Handa and Kaur (1979), and Qumsiyeh and Baker (1985) reported $2n$ = 42, FN = 66, BA = 26, a metacentric X and an acrocentric Y chromosome.
Protein / allozyme - Unknown.

ROOST:
From northern Israel, Levin *et al.* (2013: 1) report that *R. microphyllum* forms sexually-segregated colonies composed of 3,000 to 5,000 individuals during the summer (June to September). At the end of August non-reproductive males left their roost and were occasionally observed in the southern female roosts between September and October.

Also in Israel, Levin *et al.* (2015: 1, 3) found that *R. microphyllum* hibernates during five months in winter in caves that were geothermally heated to a stable temperature of 20 °C, with almost 100 % relative humidity. The bat's skin temperature was 1 - 3 °C above the average cave temperature. During the same period, the outside temperatures fluctuated between 4 and 22 °C.

DIET:
In July from Israel, more than 50 % of the bats diet comprised queen carpenter ants (*Camponotus felah* Dalla Torre, 1893), while other insect groups in the faces comprised mainly Coleoptera and Heteroptera (Levin *et al.*, 2012). This suggests that the gradual increase in the proportion of queen carpenter ants in the diet during summer results from an increase in this insect's availability, combined with a high preference for this prey item.

Benda *et al.* (2012a: 196) analyses faeces from two localities in Iran, and found in the pellets from one of the localities only remains from ants (Hymenoptera, Formicoidea), whereas the other sample contained Coleoptera (60 % of volume), Heteroptera (30 %) and small nematoceran Diptera (10 %).

POPULATION:
Structure and Density - According to Aulagnier and Palmeirim, 2008b) [in IUCN (2009)], *Rhinopoma microphyllum* is uncommon in the western part of the Mediterranean range, but populations probably occur in areas not yet surveyed. Colonies of several thousands have been reported in Egypt. Very rare in Jordan, found in the same caves as *R. hardwickei* but in much lower numbers (Amr, 2000). In Iran the species is common, the most populated cave is in the Mesopotamian plain and has around 20,000 individuals; the total population

of Iran is approximately 30,000 and is considered stable (M. Sharifi *pers. comm.,* 2005). In Africa there are large colonies of up to 5,000 individuals in several areas (GMA Africa Workshop, 2004).
Trend - 2008 - Stable (Aulagnier and Palmeirim, 2008b; IUCN, 2009). *R. microphyllum* populations within the Asia Minor and Levant region are predicted to have a stable population trend, under climate change scenarios (Bilgin *et al.*, 2012: 433).

ACTIVITY AND BEHAVIOUR:
A sharp increase in body mass was observed from mid-July (Levin *et al.*, 2012). Levin *et al.* (2012) also found that the fatty acids composition of *R. micophyllum* body fat reflects the composition of their main prey item-queen carpenter ants. They accumulate significant fat reserves towards the end of summer (Levin *et al.*, 2012). Levin *et al.* (2012) found white adipose tissue accumulates in pre-hibernating *R. micophyllum*.

Cvikel *et al.* (2015: 206) used miniature GPS devices that allowed simultaneous ultrasonic recording and found that one of their tracked bats flew continuously for over 5 hours and that another on flew more than 90 km. All of the bats spent a substantial proportion of their time in high conspecific density. They estimated that bats spent at least 41 ± 14 % of their foraging at less than 150 m from a conspecific and even 8 ± 2 % at less than 12 m from a conspecific

PARASITES:
Hirst (1923: 979) indicates that Kolenati stated that either *R. microphyllum* or *Pteropus ægyptiacus* [=*Rousettus aegyptiacus*] is the host for *Ancystropus zelebori* Kolenati, 1856 (Acari).

In Iran, Benda *et al.* (2012a: 196) found the following parasites to be present: bat flies *Brachytarsina flavipennis* Macquart, 1851 and *B. alluaudi* (Falcoz, 1923) [= *diversa* (Frauenfeld, 1857)]. They also refer to Maa (1965), who reported the presence of streblid bat flies *Ascodipteron namrui* Maa, 1964 and *A. rhinopomatos* Jobling, 1952 from Israel and Egypt, and to Dusbábek (1970), who reported the Macronyssid mites *Macronyssus leucipe* (Domrow, 1959) and *Steatonyssus afer* Radovsky and Yunker, 1963 from Afghanistan (but these came from a mixed collection of *R. microphyllum* and *R. hardwickii*). Furthermore, the presence of the chigger mites *Sasatrombicula rhinopoma* (Vercammen-Grandjean, 1963) and *S. multisternalae* (Vercammen-Grandjean, 1963) was reported from Afghanistan too.

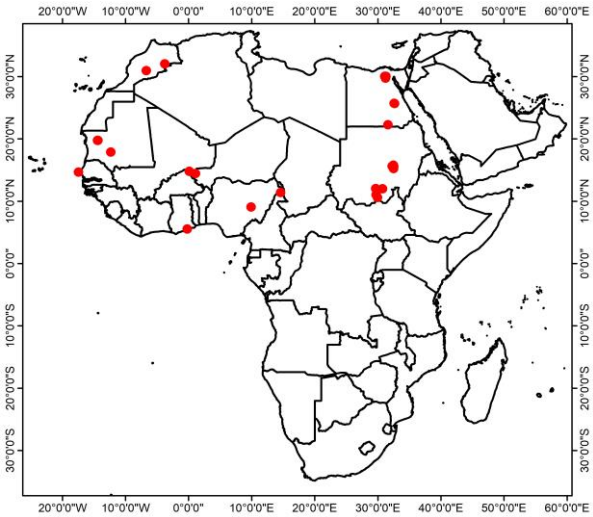

Figure 124. Distribution of *Rhinopoma microphyllum*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Burkina Faso, Cameroon, Egypt, Ghana, Mauritania, Morocco, Niger, Nigeria, Senegal, Sudan.

†Family TANZANYCTERIDIDAE Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003

*2003. *Tanzanycteridida*e Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, Pal. Electr., 5(3): 3. (Current Combination)
2013. *Tanzanycteridae:* Habersetzer, Engels, Gunnell and Simmons, 16th International Bat Research Conference & 43rd North American Symposium on Bat Research. San José, Costa Rica, 11-15 August 2013, 64. (Lapsus)

TAXONOMY:
Known genera of the family Tanzanycteridida: †***Tanzanycteris*** Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003.

†Genus ***Tanzanycteris*** Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003

*2003. *Tanzanycteris* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, Pal. Electr., 5(3): 3. (Current Combination)

TAXONOMY:
Using micro-CT scans, Habersetzer *et al.* (2013: 64) examined the inner ear morphology of *T. mannardi* and found that this was very similar to the highly sophisticated echolocation system found in current days *Hipposideros*. They suggest that *Tanzanycteris* might actually be a Hipposiderid rather than a member of a family by its own.

Known species of the genus *Tanzanycteris*: **†*mannardi*** Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003.

†*Tanzanycteris mannardi* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003

*2003. *Tanzanycteris mannardi* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, Pal. Electr., 5(3): 5. Type locality: Tanzania: Mahenge: approximately 50 km west of Singida [044750.2S 341554.5E]. Holotype: TNM MP-207: partial skeleton including skull, axial skeleton anterior to sacrum, partial left and right humeri, and partial left radius. - Etymology: For George W. Mannard who explored the Singida Kimberlite Field and made the first excavation at the type locality in 1957. (Current Combination)

TAXONOMY:
Ravel *et al.* (2011: 403) indicate that the phylogenetic position of *T. mannardi* is still uncertain due to its poor state of preservation, but that it shows many similarities with the Hassianycteridae.

Phillips (2015: 9) refers to Gunnell *et al.* (2003), who identified characters that put *T. mannardi* within the Yinpterochiroptera, more specifically the Rhinolophoidea. These characters include: extremely enlarged cochlea, broadened first rib, and a dorsally flared iliac blade. However, it remains unclear whether *Tanzanycteris* is directly linked to the Rhinolophoidea or to the Yinpterochiroptera (which also include the Pteropodidae). Phillips (2015) estimates the Hard Minimum Age for this taxon to be 45.0 miilion years ago and the Soft Maximum Age at 58.9 mya. Ravel *et al.* (2016: 356) place it in the Middle Eocene.

SUBORDER VESPERTILIONIFORMI Van Cakenberghe, Kearney and Seamark, 2007

1821. *INSECTIVORAE* Gray, 299. - Comments: Proposed as an order of bats, for the same content as that of MICROCHIROPTERA Dobson 1875.
1855. *Gymnorhina* Giebel, 926.
1866. *ENTOMOPHAGA:* Murray, xiv. - Comments: Not ENTOMOPHAGA Owen 1859, used for didelphoid marsupials.
1866. *Nycterides* Haeckel, clx. - Comments: *Nomen oblitum*. This may be the use of the Greek name for bat (=*Nycteris*).
1872. *ANIMALIVORA* Gill, 16.
1875. *MICROCHIROPTERA* Dobson, 346. - Comments: In part. - Etymology: From neuter plural scientific Latin substantive made up of the Greek adjective "*μικρός*" (mikrós) meaning "small" and chiroptera, in opposition to Megachiroptera ("big Chiroptera") (see Lanza *et al.*, 2015: 18).
1979. *PHYLLOSTOMATIA* Van Valen, 104. - Comments: Proposed as infraorder.
1979. *VESPERTILIONIA* Van Valen, 109. - Comments: Proposed as infraorder.
1995. *VESPERTILIIFORMES* Zagorodniuk, Godovanets, Pokynchereda and Kyseliuk, Rakhiv (Proceed. Intern. Conf. "ACANAP-1995" 18 - 21 October 1995). - Comments: also Zagorodniuk *et al.* (1995); Zagorodniuk and Pokynchereda (1997).
1997. *VESPERTILIFORMES* Zagorodniuk.
1998. *VESPERTILIONIFORMES* Zagorodnyuk. - Comments: Zagorodnyuk (1998a, b and c); Zagorodniuk (1999, 2001a and b, 2002, 2003a and b, 2004).
2001. *YANGOCHIROPTERA* Springer, Teeling, Madsen, Stanhope, and De Jong, Proc. Natl. Acad. Sci. USA, 98 (11): 6243.
2001. *YINPTEROCHIROPTERA* Springer, Teeling, Madsen, Stanhope, and De Jong, Proc. Natl. Acad. Sci. USA, 98 (11): 6423. - Comments: In part.
2004. *VESPERTILIONIFORMES* Hutcheon and Kirsch, J. mamm. Evolut., 11 (1): ???. - Comments: .
*2007. *VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, African Chiroptera Report. Publication date: July 2007. - Comments: The name of the Infraorder is based on *Vespertilio* Linnaeus, 1758 (type of VESPERTILIONIDAE Gray, 1821). (Current Combination)
2008. *Microcheroptera:* Selim, Nahla, and Shelfeh, Tishreen Univ. J. Res. Sci. Stud. - Biol. Sci. Ser., 30 (1): 247. (Lapsus)
2014. *Vespertilionimorpha* Zagorodniuk, Proc. Theriol. School, 12: 8.

TAXONOMY:
The suborder name follows the typified name used by Zagorodniuk *et al.* (1995) - Vespertiliiformes, Zagorodniuk (1997) - Vespertiliformes, Zagorodniuk and Pokynchereda (1997) - Vespertiliiformes, Zagorodniuk (1998a, 1998b and 1998c) - Vespertilioniformes, Zagorodniuk (1999 (1999, 2001a and 2001b, 2002, 2003a and b, 2004) - Vespertilioniformes and Hutcheon and Kirsch (2004b,2006) - Vespertilioniformes, but with the ending changed to follow the format proposed for standardization of nomenclature of higher taxa by Alonso-Zarazaga (2005). '-formes' indicates ordinal level, while ending '-formi' indicates subordinal level.

Currently three Infraorders are recognized within the suborder VESPERTILIONIFORMI from Africa: **NOCTILIONIFORMACEI** Van Cakenberghe, Kearney and Seamark, 2007; **NYCTERIFORMACEI** Van Cakenberghe, Kearney and Seamark, 2007; **VESPERTILIONIFORMACEI** Van Cakenberghe, Kearney and Seamark, 2007.

MOLECULAR BIOLOGY:
Volleth (2010: 308) found no cytogenetic synapomorphy for Vespertilioniformes [= Vespertilioniformi], which indicates that this group has a monophyletic origin.

INFRAORDER NOCTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007

*2007. *NOCTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, African Chiroptera Report. Publication date: July 2007. - Comments: The name of the Superfamily is based on *Noctilio* Linnaeus, 1766. (Current Combination)

TAXONOMY:
Currently a single superfamily is known from within the Infraorder NOCTILIONIFORMACEI for Africa: **NOCTILIONOIDEA** Gray 1821.

Superfamily NOCTILIONOIDEA Gray, 1821

*? *Noctilionoidea* - Comments: The name of the Superfamily is based on *Noctilio* Linnaeus, 1766. (Current Combination)

TAXONOMY:
The placement of the Family Myzodidae, with in the superfamily Noctilionoidea follows Teeling *et al.* (2005).
Simmons *et al.* (2013: 145) include seven families: Myzopodidae, Mystacinidae, Thyropteridae, Furipteridae, Noctilionidae, Mormoopidae, and Phyllostomidae, which were already distinct by the end of the Eocene.

COMMON NAMES:
Czech: vampýrovci.

Family MYZOPODIDAE Thomas, 1904

*1904. *Myzopodidae* Thomas, Proc. zool. Soc. Lond., 1904, II, I: 5. Publication date: 1 October 1904. - Comments: Type genus: *Myzopoda* A. Milne-Edwards and A. Grandidier, 1878. (Current Combination)

TAXONOMY:
Known extant genera: ***Myzopoda*** Milne-Edwards and Grandidier, 1878.

Known extinct genera: †***Phasmatonycteris*** Gunnell, Simmons and Seiffert, 2014.

COMMON NAMES:
Czech: přísavkovcovití, myzopodovití, netopýrkové ušatí. Dutch: Madagassische hechtschijfvleermuizen. English: Sucker-footed Bats. French: Myzopodidés. German: Madagassische Haftscheibenfledermaus, Madagaskar-Haftscheibenfledermäuse. Norwegian: Sugeskålflaggermus.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Butler (1978: 67) suggests that the Myzopodidae are probably of African mainland origin, but survive only in Madagascar.
Simmons *et al.* (2013: 146) indicate that one fossil species is known in this family.
The family-level stem and crown ages were calculated by Shi and Rabosky (2015: 1537) as 54.1 and 1.1 mya, respectively.

Genus ***Myzopoda*** Milne-Edwards and A. Grandidier, 1878

*1878. *Myzopoda* A. Milne-Edwards and A. Grandidier, Bull. Sci. Soc. Philom. Paris, sér. 7, 2: 220. Publication date: 22 June 1878. - Comments: Type species: *Myzopoda aurita* A. Milne-Edwards and A. Grandidier, 1878. - Etymology: From the Greek "*μύξάω*", meaning to suck (not from "*μύξα*", meaning mucus) and "*πούς*", meaning foot, referring to the sectional disk on the thumbs and feet (see Palmer, 1904: 446). (Current Combination)
1879. *Myxopoda:* Dobson, Proc. zool. Soc. Lond., 1878, IV: 871. Publication date: April 1879. - Comments: Lapsus (see Allen, 1939a: 82; Schliemann and Maas, 1978: 1) or emendation

(see Palmer, 1904: 445). - Etymology: From the Greek "*μύξα*", meaning mucus, and "*πούς*", meaning foot, referring to the sectional disk on the thumbs and feet (see Dobson, 1879a: 281; Palmer, 1904: 445). (Lapsus)

TAXONOMY:
Know species of the genus *Myzopoda*: ***aurita*** Miline-Edwards and Grandidier, 1878. ***schliemanni*** Goodman, Rakotondraparany and Kofoky, 2007.

COMMON NAMES:
Czech: přísavkovci, myzopody. English: Sucker-footed Bats. French: Chauves-souris à ventouses. German: Madagaskar-Haftscheiben-fledermäuse.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Butler (1978) found a *Myzopoda* sp. at Olduvai, Kenya, in deposits of early Pleistocene age.

CONSERVATION STATUS:
Global - Assessed as *M. aurita* VU (World Conservation Monitoring Centre, 1993); LC ver 3.1 (2001) (Jenkins *et al.*, 2008h; IUCN, 2009).

Russell *et al.* (2008b: 219) suggests that *Myzopoda* sp. may be among the few Malagasy verterbrate species to benefit from rapid deforestation, due to the species utilizing *Ravenala* as a day roost. *Ravenala* is a dominating pioneering species, and dense stands are found in areas of primary lowland forest which have been cleared (Goodman *et al.*, 2007a).

BIOGEOGRAPHY:
Russell *et al.* (2008b) using coalescent analysis places the time of divergence of *M. aurita* and *M. schliemanni* at approximately 73,500 years ago.

DETAILED MORPHOLOGY:
Reproductive system - Carter and Enders (2016: 284) found *Myzopoda* sp. to have a smooth chorioallantois, suggesting that this genus belongs in the emballonurid clade.

†***Myzopoda africana*** Gunnell, Butler, Greenwood and Simmons, 2015

*2015. *Myzopoda africana* Gunnell, Butler, Greenwood and Simmons, Am. Mus. Novit., 3846: 1, 3, figs 2A, 2C, 3. Publication date: 16 December 2015. Type locality: Tanzania: Arusha province: Olduvai Gorge: Bed I, FLK NI, Layer 123. [Goto Description]. - Etymology: The name refers to the African continent as it is the only representative of the genus *Myzopoda* that is found on continental Africa.

SIMILAR SPECIES:
M. africana's humeri are on average 21 % larger than those of its living congeners (Gunnell *et al.*, 2015a: 5).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe: Pleistocene.

Myzopoda aurita Milne-Edwards and A. Grandidier, 1878

*1878. *Myzopoda aurita* A. Milne-Edwards and A. Grandidier, Bull. Sci. Soc. Philom. Paris, sér. 7, 2: 220. Publication date: 22 June 1878. Type locality: Madagascar: "Madagascar". Holotype: MNHN ZM-MO-1997-770: alcoholic (skull not removed). Number 223 in Rode (1941); see Peterson *et al.* (1995: 139). (Current Combination)
1879. *Myxopoda aurita:* Dobson, Proc. zool. Soc. Lond., 1878, IV: 879. Publication date: April 1879. (Lapsus)

TAXONOMY:
See Schliemann and Maas (1978: 116).

COMMON NAMES:
Czech: přísavkovec ušatý, netopýrek ušatý, myzopoda ušatá. English: Golden Bat, Old World Sucker-footed Bat, Sucker-footed Bat, Madagascar Sucker-footed Bat, Eastern Sucker-footed Bat. French: Chauve-souris malgache à pieds à ventouses, Chauve-souris à pieds à ventouses de Madagascar, Vespertilion Doré, Myzopoda oreillard. German: Östliche Haftscheibenfledermaus.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) because it is widespread, thought to be locally common in areas of anthropogenic disturbance, and there are no obvious major threats (Jenkins *et al.*, 2008h;

IUCN, 2009).
Ralisata *et al.* (2010) refute the suggestion that this species is rare (Hutson *et al.*, 2001).

Assessment History -
2008 - LC ver 3.1 (2001) (Jenkins *et al.*, 2008h; IUCN, 2009). 1996 - VU A2c ver 2.3 (1994). 1994 - VU (Groombridge, 1994). 1990 - VU (IUCN, 1990).

MAJOR THREATS:
There are no known major threats to this species. It is occasionally eaten by people when harvesting *Ravenala madagascariensis* plants (Jenkins *et al.*, 2008h; IUCN, 2009). However, Ralisata *et al.* (2015: 95) do point out that this harvesting itself might lead to a loss of roosts, and as such has a negative impact on the bats.

CONSERVATION ACTIONS:
Jenkins *et al.* (2008h) [in IUCN (2009)] reported that *M. aurita* has only been recorded from a few protected areas: Parc National de Marojejy (Pont and Armstrong, 1990), Tampolo littoral forest (Ifticene *et al.*, 2005) and near to Parc National de Masoala (Russ and Bennet, 1999) and Réserve Spéciale d'Analamazaotra (Russ and Bennet, 1999). Additional study is needed to develop an understanding of local population densities and precise habitat requirements.
Ralisata *et al.* (2010) indicate that it used disturbed patches of vegetation and is not therefore threatened by deforestation, although it may be affected by loss of roosts for building materials.

GENERAL DISTRIBUTION:
Myzopoda aurita is endemic to the island of Madagascar (Goodman *et al.*, 2007a). It is found in the humid zone of eastern and north-eastern Madagascar and appears to be most common at elevations lower than 500 m (Schliemann and Goodman, 2003) although it has been recorded at Andasibe (ca. 970 m).

Native: Madagascar.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
For details, see a.o. Thomas (1904g).

DENTAL FORMULA:
Inc. $^{2-2}/_{4}$, c $^{1-1}/_{1-1}$, pm $^{3-3}/_{3-3}$, m $^{3-3}/_{3-3}$ (see Dobson, 1879a: 872).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 59) described the baculum from two specimens as being a small structure, triangular in shape, without a central shaft (length: 0.21, 0.26 mm; width: 0.15, 0.16 mm). In a third specimen they found a trace of a circular bone structure.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003) and Russell *et al.* (2008b).
Karyotype - Richards *et al.* (2010) examined two females showing a 2*n*=26 and a Fna=48, with all chromosomes being bi-armed. FISH with *Myotis* probes revealed a X-autosome translocation. However, the autosome translocated to the X chromosome has not been counted for the Fna. The number of autosomal arms would then be 50 instead of 48.
Protein / allozyme - Unknown.

HABITS:
Compositional analysis revealed that *M. aurita* males selected coffee plantations, degraded humid forest and wooded grasslands more than other habitats (Ralisata *et al.*, 2010).

ROOST:
Ralisata *et al.* (2010) found 133 roosts consisting of the partially unfurled leaves of *Ravenala madagascarensis* (Sonn, 1782) and housing between nine and 51 individuals, which changed roosts every 1 - 5 days. Ralisata *et al.* (2015: 95) found that the leaves of the tree became available as roost between one and 19 days after the unfurling started and were inhabited between one and 12 days.

DIET:
Göpfert and Wasserthal (1995) noted that *M. aurita* - based on the analysis of fecal pellets of a single individual from north of Tolagnaro, southeast Madagascar - fed on smaller moths ("microlepidoptera"). Ralisata *et al.* (2010) found the diet comprised mainly of Lepidoptera and Coleoptera. The latter was confirmed by Rasoanoro *et al.* (2015: 64), who mention the following volume percentages: Aranea: 15.4 ± 2.38, Coleoptera: 26.7 ± 4.60, Diptera: 3.6 ± 3.59, Homoptera: 0.3 ± 0.33, Hymenoptera: 8.4 ± 3.58, Lepidoptera: 40.1 ± 7.31, and Neuroptera: 5.5 ± 5.07.

POPULATION:
Structure - See Russell *et al.* (2008b: 219).
Density - Russell *et al.* (2008b) estimated an effective population size of between 100,054 and 132,742 individuals. In some areas, *M. aurita* is locally common (P. A. Racey *pers. comm.*), but it is rarely trapped in large numbers during surveys (Russ and Bennet, 1999; Ifticene *et al.*, 2005; Rakotondraparany and Medard, 2005; Jenkins *et al.*, 2007b). Ralisata *et al.* (2010) caught on average of 5.7 (0 - 15) individuals per mist net night, at Kianjavato, where a total of 138 individiuals were captured on 24 nights of netting.

Trend - 2008 - Unknown (Jenkins *et al.*, 2008h; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Ralisata *et al.* (2010) found that the foraging areas used by male bats varied between 7 and 108 ha (100 % minimum convex polygon), where the bats foraged close to the roost for the first hour after emergence, then travelled up to 1.8 km away and returned after 03h00.

REPRODUCTION AND ONTOGENY:
See Carter *et al.* (2008).
Ralisata *et al.* (2010) suggest that juvenile males leave their mothers after weaning and join adult males. During October-November, the testes of males appeared larger than at other times of the year, although seasonal variation was not pronounced (Ralisata *et al.*, 2010).

PARASITES:
Ralisata *et al.* (2010) did not observe any parasties on the 138 individual males captured.

UTILISATION:
In the area around Tampolo forest, people collecting leaves of the Traveller's palm (*Ravenala madagascariensis*) for housing materials often encounter *M. aurita* roosting in the leaves, although no evidence that the bats were deliberately sought, they were collected and taken back to the village where they were cooked and eaten (Jenkins and Racey, 2008).

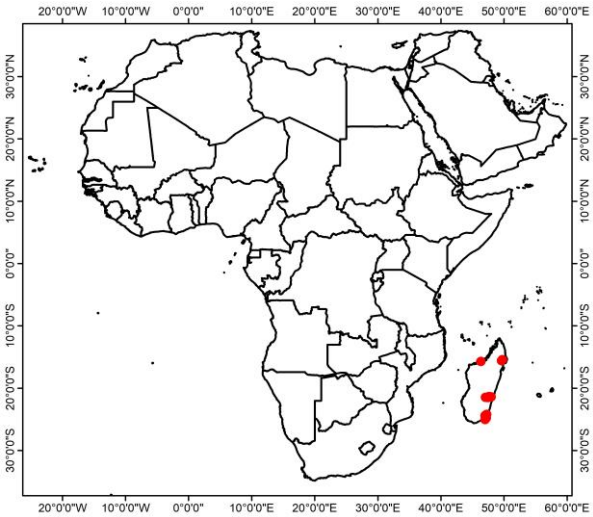

Figure 125. Distribution of *Myzopoda aurita*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007

*2007. *Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, Mamm. biol., 72 (2): 65, 68, figs. 2 - 5. Publication date: 26 March 2007. Type locality: Madagascar: Mahajanga province: Parc National d'Anarafantsika: Ampijoroa, forestry station: Jardin Botanique A [16 19.4 S 46 48.4 E, 160 m] [Goto Description]. Holotype: FMNH 177327: ad ♂, skin and skeleton and skull. Collected by: Steven M. Goodman; collection date: 18 April 2003; original number: SMG-13624. 3 male and 4 female paratypes listed. - Etymology: The species name was chosen to honour Professer Dr. Harald Schliemann, University of Hamburg, in recognition of his long interest in sucker-footed bats, including several important anatomical studies (e.g. Schliemann, 1971; 2003). (Current Combination)
2016. *Myzopoda scliemanni:* Amador, Arévalo, Almeida, Catalano and Giannini, J. mamm. Evolut., 23 (4): Suppl. (Lapsus)

TAXONOMY:
Described by Goodman *et al.* (2007a) using external measurements and pelage coloration and supported by population genetics (Russell *et al.*, 2008b).

COMMON NAMES:
Czech: přísavkovec bělobřichý. English: Schliemann's Sucker-footed Bat. French: Chauve-souris à ventouses de Schliemann. German: Schliemanns Haftscheibenfledermaus.

ETYMOLOGY OF COMMON NAME:
The species name was chosen to honour Professor Dr. Harald Schliemann, University of Hamburg, in recognition of his long interest in sucker-footed bats, including several important anatomical studies (e.g. Schliemann, 1970, 1971).

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) as it has a relatively large geographic range and population size, and like other *Myzopoda* is thought to do well in highly modified habitats. It is unlikely to have been negatively impacted by deforestation (Jenkins *et al.*, 2008l; IUCN, 2009).

Assessment Histroy -
2008 - LC ver 3.1 (2001) (Jenkins *et al.*, 2008l; IUCN, 2009). 2004 - Not assessed, but see Goodman *et al.* (2007a), who discuss the possible

conservation status.

MAJOR THREATS:
The threats to this species are poorly known because of a lack of information on habitat preferences (Jenkins *et al.*, 2008l; IUCN, 2009). Russell *et al.* (2008b) consider bats of the genus *Myzopoda* to benefit from deforestation.

CONSERVATION ACTIONS:
Myzopoda schliemanni has been trapped in Parc National de Namoroka and Parc National d'Ankarafantsika (Goodman *et al.*, 2007a) as well as a recently created protected area in the Lac Kinkony - Mahavay area (Rakotoarivelo and Randrianandrianina, 2007). Based on current information this is a restricted-range species for which there are few data on natural history or ecology and basic field research is clearly needed to obtain information on the local abundance of this species (Jenkins *et al.*, 2008l; IUCN, 2009).
It was not found during surveys of Parc National du Tsingy de Bemaraha (Kofoky *et al.*, 2007), Parc National de Kirindy-Mité (Goodman *et al.*, 2005a; Andriafidison *et al.*, 2006a) or Kirindy CFPF (Goodman *et al.*, 2005a).

GENERAL DISTRIBUTION:
Myzopoda schliemanni is known from central western Madagascar in lowland areas from Ankaboka in the north (Goodman *et al.*, 2007a) to Andranomanintsy in the south (Russell *et al.*, 2008b). Goodman *et al.* (2007a) suggested that the distribution of range of *M. schliemanni* is broader than currently known and may extend north as far as Ambanja.

Native: Madagascar.

GEOGRAPHIC VARIATION:
See Goodman *et al.* (2007a).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Goodman *et al.* (2007a).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Goodman *et al.* (2007a).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 59) found in four specimens a triangular-shaped baculum, which was slightly more elongated than in *M. aurita* (length: 0.26 ± 0.078 mm, width: 0.12 ± 0.017 mm) and in a fifth specimen, the baculum was morphologically similar to that of the latter species.

For a description of the crania, teeth, postcranial skeleton, ears and tragus see Goodman *et al.* (2007a).

SEXUAL DIMORPHISM:
Goodman *et al.* (2007a) found there is no sexual dimorphism in *M. schliemanni*.

MOLECULAR BIOLOGY:
DNA - Russell *et al.* (2008b).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
There are few accounts of its foraging habitats, although Rakotoarivelo and Randrianandrianina (2007) mist-netted 16 individuals in relatively disturbed forest.

HABITS:
See Goodman *et al.* (2007a).

ROOST:
Kofoky *et al.* (2006) observed *M. schliemanni* roosting in a cave. There are no other published observations of this species' roosting preferences, although it is assumed to also use broad-leaved plants such as *Ravenala madagascariensis* (Strelitziaceae) (Goodman *et al.*, 2007a; Russell *et al.*, 2008b).

DIET:
Rajemison and Goodman (2007) collected feacal samples from 18 individuals during mid-October from Andranomanitsy Forest, western Madagascar, where they reported four different insect orders. Prey belonging to the orders Lepidoptera and Blattaria were the most common in the samples and were more or less equally represtented (Rajemison and Goodman, 2007).

PREDATORS:
Goodman *et al.* (2015c: 78) found the remains of one individual in pellets of Bat Hawk *Macheiramphus alcinus* Bonaparte, 1850 in western central Madagascar.

POPULATION:
Structure - In Andranomanintsy forest, 8 of the 18 bats captured were males indicating a sex ratio of 1 : 1.25 (Goodman *et al.*, 2007a: 312).
Density - Estimated effective population size using demographic models from two sites was between 61,453 and 134,630 individuals (Russell *et al.*, 2008b). A roosting colony of 4 individuals was reported from a cave in Parc National de Namoroka (Kofoky *et al.*, 2006).
Trend - 2008 - Unknown (Jenkins *et al.*, 2008l; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Rajemison and Goodman (2007) suggest that *M. schliemanni* is capable of gleaning prey from vegetation (see Diet).

REPRODUCTION AND ONTOGENY:
See Goodman *et al.* (2007a) and Carter *et al.* (2008).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

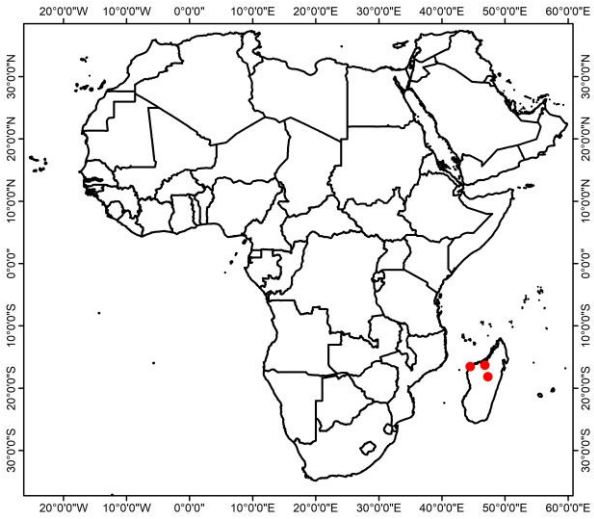

Figure 126. Distribution of *Myzopoda schliemanni*

†Genus ***Phasmatonycteris*** Gunnell, Simmons and Seiffert, 2014

*2014. *Phasmatonycteris* Gunnell, Simmons and Seiffert, PLoS ONE, 9 (2): e86712: 6. Publication date: 4 February 2014 [Goto Description]. - Etymology: From the Greek "Phasma(to)" for apparition or spectre, in reference to the long ghost lineage connecting Fayum myzopodids with extant forms, and the Greek "Nykteris" for bat (see Gunnell *et al.*, 2014: 7). (Current Combination)

TAXONOMY:
Known species for *Phasmatonycteris*: ***butleri*** Gunnell, Simmons and Seiffert, 2014. ***phiomensis*** Gunnell, Simmons and Seiffert, 2014.

†***Phasmatonycteris butleri*** Gunnell, Simmons and Seiffert, 2014

*2014. *Phasmatonycteris butleri* Gunnell, Simmons and Seiffert, PLoS ONE, 9 (2): e86712: 1, 7, figs 3A, 4. Publication date: 4 February 2014. Type locality: Egypt: Western Desert: Fayum Depression: Birket Qarun Formation: Fayum Quarry BQ-2 (23 meter level) [Goto Description]. - Etymology: In honour of Percy Butler, in recognition of his work on fossil bats from Africa and of his 75 year publishing career (see Gunnell *et al.*, 2014: 7). (Current Combination)

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The type specimen was found in the 23 meter level layer at Fayum Quarry BQ-2. This layer is about 37 million year old (Late Eocene, Priabonian).

GENERAL DISTRIBUTION:
Egypt

†***Phasmatonycteris phiomensis*** Gunnell, Simmons and Seiffert, 2014

*2014. *Phasmatonycteris phiomensis* Gunnell, Simmons and Seiffert, PLoS ONE, 9 (2): e86712: 1, 6, figs 2A–D, 3C, E–G. Publication date: 4 February 2014. Type locality: Egypt: Western Desert: Fayum Depression: Fayum Quarry I (242 m level) [Goto Description]. - Etymology: From "Phiom," Greek for the Fayum Region of Egypt's Western Desert (see Gunnell *et al.*, 2014: 7). (Current Combination)

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The type material was found in the 242 meter level Fayum Quarry I, in a layer of about 30 million years old (Early Oligocene, Rupelian).

GENERAL DISTRIBUTION:
Egypt.

INFRAORDER NYCTERIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007

*2007. *NYCTERIFORMACEI* Van Cakenberghe, Kearney and Seamark, African Chiroptera Report. Publication date: July 2007. - Comments: The name of the Infraorder is based on *Nycteris* G. Cuvier and E. Geoffroy, 1797 (type Family NYCTERIDAE Van der Hoeven, 1855). (Current Combination)

GENERAL COMMENTS:
We followed the format proposed for standardization of nomenclature of higher taxa by Alonso-Zarazaga (2005), then for typified names this would be standardized, using the connector -acei and the ending -iformacei. But, for those without typified names there may well be occasions where incertae-sedis is used.

TAXONOMY:
Currently a single superfamily is known from within the Infraorder NYCTERIFORMACEI for Africa: **NYCTEROIDEA** Van der Hoeven, 1855.

Superfamily NYCTEROIDEA Van der Hoeven, 1855

*1855. *Nycteroidea* Van der Hoeven. - Comments: The Superfamily name is based on *Nycteris* G. Cuvier and E. Geoffroy, 1797 (type Family NYCTERIDAE Van der Hoeven, 1855). (Current Combination)
2005. *Emballonuroidea* Teeling, Springer, Madsen, Bates, O'Brien, and Murphy, Science, 307: 581.

TAXONOMY:
This name is used contrary to the superfamily name, EMBALLONUROIDEA, used by Teeling *et al.* (2005), Ravel *et al.* (2016: 377), and Amador *et al.* (2016: 22) because, the oldest, typified name is *Nycteris* G. Cuvier and E. Geoffroy, 1795, rather than *Emballonura* Temminck, 1838 (or even Emballonuridae Gervais, 1855).

Family EMBALLONURIDAE Gervais, 1855

*1855. *Emballonuridae* Gervais, in: F. Comte de Castelnau, Exped. Partes Cen. Am. Sud., Zool, (Sec. 7), Vol. 1, pt. 2 (Mammifères): 62 footnote. Publication date: 23 July 1855. - Comments: Type genus: *Emballonura* Temminck. - Etymology: The name of this family is derived from the Greek "*ἐμβάλλω*", meaning to throw in and "*οὐρά*", meaning tail, referring to the tail structure of all its members, which resembles a spear thrown into the ground at an angle (see Palmer, 1904: 257; Taylor, 2005). (Current Combination)
1865. *Brachyura* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 257. - Comments: in part: see Pavlinov *et al.* (1995: 74). Simmons (*pers. comm.*): "This name is a tough one, no type genus was noted and taxa now placed in 5 families were included. I have left it out because it is not clear just what it would be a junior synonym of. There seems no point in restricting it since it is not the oldest name for any of the family groups now recognized. Fixed".
1866. *Diclidurina* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 92. Publication date: 1 February 1866.
1866. *Emballonurina* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 92. Publication date: 1 February 1866.
1877. *Taphozoinae* Jerdon, Mammals of India, 30. - Comments: Palmer (1904: 773) mentions 1874 as year of publication.
1907. *Diclidurinae* Miller, Bull. U.S. natl. Mus., 57: 94. Publication date: 29 June 1907. - Comments: Type genus: *Diclidurus* Wied, 1819.
2013. *Emballanuridae:* Taylor, Sowler, Schoeman and Monadjem, S. Afr. J. Wildl. Res., 43 (1): 18. Publication date: April 2013. (Lapsus)

TAXONOMY:
Koopman (1993a: 156) mentions Gervais, 1856 as author, whereas Corbet and Hill (1992: 83) mention Dobson, 1875e: 349. Simmons (2005) recognises two subfamilies: Emballonurinae (including the African genera *Coleura* and *Emballonura*), and Taphozoinae (including the African genera *Saccolaimus* and *Taphozous*). Goodwin (1942: 120) considers Diclidurinae to be a valid subfamily.

Known extant genera: *Balantiopteryx* Peters, 1867; *Centronycteris* Gray, 1838; ***Coleura*** Peters, 1867; *Cormura* Peters, 1867; *Cyttarops* Thomas, 1913; *Diclidurus* Wied-Neuwied, 1820; *Emballonura* Temminck, 1838; *Mosia* Gray, 1843; ***Paremballonura*** Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012; *Peropteryx* Peters, 1867; *Rhynchonycteris* Peters, 1867; *Saccopteryx* Illiger, 1811; ***Saccolaimus*** Temminck, 1838; ***Taphozous*** E. Geoffroy, 1818.

COMMON NAMES:
Czech: pochvorepovití, netopýři hladkonosí, embalonurovití. Dutch: Schedestaart-vleermuizen. English: Sheath-tailed Bats, Tomb Bats, Sac-winged Bats. Finnish: Hautalepakot. French: Emballonuridés. German: Flattnasen-freischwänze, Sackflügel-Fledermäuse, Glatt-nasen-Freischwänze. Italian: Emballonùridi. Norwegian: Frihalete flaggermus, gravflaggermus. Russian: Футлярохвостые. Spanish (Castillian): Murciélagos de cola envainada. Vietnamese: Họu ơi bao.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The Emballonuridae are known from the early Miocene (Butler and Hopwood, 1957; Butler, 1969; 1978).
The stem and crown ages for this family were reported as 52.8 and 47.7 MYA by Shi and Rabosky (2015: 1537), and 51 and 45 MYA by Amador *et al.* (2016: 22).

Ravel *et al.* (2016: 416) indicate that *Chambinycteris pusilli* is the most basal taxon of this family.

PARASITES:
The Old World Emballonuridae are host for the genus *Ugandobia* (Acari: Myobiidae), containing nine species (Fain, 1994: 1280). Two additional species were described from Hipposideridae and Pteropodidae, but Fain (1994: 1280) suggests this was due to contamination of the jars in which they were found, and that the representatives of this genus are actually restricted to the Emballonuridae.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola.

Genus ***Coleura*** Peters, 1867

*1867. *Colëura* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 479. - Comments: Type species: *Emballonura afra* Peters. - Etymology: From the Greek "*κολεόν*" (coleon), meaning "sheath, scabbard" and "*ούρά*" (urá), meaning tail, referring to the tail being enveloped in the interfemoral membrane as far as the last caudal vertebra (see Palmer, 1904: 195; Lanza *et al.*, 2015: 201).
1939. *Coleura:* Allen, Bull. Mus. comp. Zool., 83: 65. (Current Spelling)

TAXONOMY:
Key provided in Dunlop (1997, Mammalian Species, 566).

Known species of the genus *Coleura*: ***afra*** (Peters, 1852); ***kibomalandy*** Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012; †***muthokai*** Wesselman, 1984; ***seychellensis*** Peters, 1868.

COMMON NAMES:
Czech: buldočí pochvorepi. English: Sheath-tailed bats, Peters's sheath-tailed bats. French: Chauves-souris à queue gainée. German: Schiebeschwanz-Fledermäuse.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Ethiopia, Kenya, Tanzania.

†***Coleura muthokai*** Wesselman, 1984

*1984. *Coleura muthokai* Wesselman, Contributions to vertebrate evolution, 7: 52. - Etymology: The taxon is named in honor of Muthoka, son of Kivingo, a Wakamba tribesman from Kikoko, Kenya, who worked with H.B. Wesselman as his assistant during the field seasons of 1972 and 1973 (Wesselman, 1984: 52). (Current Combination)

TAXONOMY:
Closely resembles the extant and larger species *C. afra* (Wesselman, 1984; Lim, 2007).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Late Pliocene (2.58 Mya) of southwestern Ethiopia (Lim, 2007).

Coleura afra (Peters, 1852)

*1852. *Emballonura afra* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 51, pl. 12, pl. 13, fig. 18, 19. Publication date: 1852. Type locality: Mozambique: Lower Zambesi River: Tete [16 10 S 33 35 E, 230 m] [Goto Description]. Syntype: BMNH 1858.6.18.12: ad ♀, alcoholic (skull not removed). Collected by: Prof. Wilhelm Carl Hartwig Peters. See Dobson (1878: 366) and Turni and Kock (2008: 23). Syntype: BMNH 1907.1.1.703. See Turni and Kock (2008: 23). These latter specimens might possibly be the missing ZMB ones, but I did not find any proof of this (Van Cakenberghe, *pers com*). Syntype: RMCA [number unknown]. See Jentink (1888b: 196) in Turni and Kock (2008: 23). These latter specimens might possibly be the missing ZMB ones, but I did not find any proof of this (Van Cakenberghe, *pers com*). Syntype: ZMB 429. See Turni and Kock (2008: 23) [missing]. Syntype: ZMB 430. See Turni and Kock (2008: 23) [missing]. Syntype: ZMB 54845: skull and alcoholic. (Skull damaged) see Turni and Kock (2008: 23). Syntype: ZMB 571: skull and alcoholic. M + F, see Turni and Kock (2008: 23). Syntype: ZMB 67559: skull and alcoholic. See Turni and Kock (2008: 23). Syntype: ZMB 67561: skull and alcoholic. See Turni and Kock (2008: 23). Syntype: ZMB 67562: skull and alcoholic. See Turni and Kock (2008: 23). Syntype: ZMB 85667: ♂, complete skeleton. See Turni and Kock (2008: 23). Syntype: ZMB 85668: skin only. See Turni and Kock (2008: 23). Syntype: ZMB 85669: ♀. See Turni and Kock (2008). - Etymology: From the feminine Latin adjective *àfra* meaning "African" (see Lanza *et al.*, 2015: 156).

1915. *C[oleura] g[allarum] nilosa* Thomas, Ann. Mag. nat. Hist., 8, 15 (90): 576, 577. Publication date: 1 June 1915. Type locality: Sudan: Upper Nile: Bahr-el-Zeraf, near mouth of [ca. 14 42 N 31 14 E] [Goto Description]. Holotype: BMNH 1915.3.6.76: ad ♂, skin only. Collected by: Willoughby P. Lowe; collection date: 3 February 1914; original number: 77. - Comments: Thorn *et al.* (2009: 41), however, mention 09 25 N 31 10 E for the coordinates. May be valid as a subspecies (Kock, 1969a; Koopman, 1975). In the key presented in the original description on p. 576, the name is given as *C. g. nilosa*, on the description itself (p. 577) it is mentioned as *Coleura gallarum nilosa*.

1915. *C[oleura] gallarum* Thomas, Ann. Mag. nat. Hist., 8, 15 (90): 576, 577. Publication date: 1 June 1915. Type locality: Somalia: Zeyla [=Zsyla] [sea level] [Goto Description]. Holotype: BMNH 1911.8.2.4: ad ♀. Collected by: Dr. Ralph Evelyn Drake-Brockman; collection date: 29 October 1910; original number: 336. Presented/Donated by: Dr. Ralph Evelyn Drake-Brockman. - Comments: In the key presented in the original description on p. 576, the name is given as *C. gallarum*, on the description itself (p. 577) it is mentioned as *Coleura gallarum*.

1939. *Coleura kummeri* Monard, Arq. Mus. Bocage, 10: 55, fig. 1. Publication date: March 1939. Type locality: Guinea-Bissau: Madina Boé [11 45 N 13 13 W] [Goto Description]. Syntype: MNHN ZM-MO-1940-1209 - 201: ♂, alcoholic (skull not removed). Collected by: Dr. Albert Monard. Mentioned ad paratype by Rode (1941: 244). This is either number 879, 884, 886 or 887 from Monard (1939: 55). Syntype: NMBA 5277: ad ♀, alcoholic (skull not removed). Collected by: Dr. Albert Monard; collection date: 5 March 1938; original number: 881. See http://www.nmb.bs.ch/NaturmuseumBasel/LinksNMB/Sammlung/Kataloge/Mammalia.pdf Syntype: NMBA 5278: ad ♂, alcoholic (skull not removed). Collected by: Dr. Albert Monard; collection date: 5 March 1938; original number: 890. See http://www.nmb.bs.ch/NaturmuseumBasel/LinksNMB/Sammlung/Kataloge/Mammalia.pdf Syntype: RMCA 15313: ad ♀, alcoholic (skull not removed). Collected by: Dr. Albert Monard; original number: 883. - Comments: Monard (1939: 55) used 13 specimens and three skulls for the description on this taxon. The whereabouts of specimens 879 ♂, 880 ♀, 882 ♀, 884 ♂, 886 ♂, 887 ♂, 888 ♀, 889 ♂, 891 ♀, 892 (3 skulls) has not yet been determined, although one of the male specimens is the syntype in the Paris Museum.

? *Coleura afra afra:* (Name Combination)

? *Coleura afra gallarum:* (Name Combination)

? *Coleura afra kummeri:* (Name Combination)
? *Coleura afra nilosa:* (Name Combination)
? *Coleura afra:* (Name Combination, Current Combination)
? *Coleura gallarum nilosa:* (Name Combination)

TAXONOMY:
See Dunlop (1997, Mammalian Species, 566). The recently discovered population in Madagascar could prove to be a distinct species (Goodman *et al.* (2005a).

COMMON NAMES:
Afrikaans: Skedestertvlermuis. Czech: pochvorep buldočí, netopýr buldočí. English: Southern Sheath-tailed Bat, African Sheath-tailed Bat, Sheath-tailed Bat, Mozambique Sheath-tailed Bat. French: Chauve-souris à queue gainée d'Afrique, Emballonure d'Afrique, Chauve-souris à queue en fourreau d'Afrique. German: Afrikanische Schiebeschwanz-Fledermaus. Italian: Còleura africàna. Portuguese: Morcego de cauda.

ETYMOLOGY OF COMMON NAME:
The colloquial name refers to the peculiar situation of the tail, which is enclosed by the interfemoral membrane between the back legs (Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008dq; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008dq; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004h; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are not well understood. Disturbance of roost sites could potentially be a threat, but the effect of this on the population is not well known (Mickleburgh *et al.*, 2008dq; IUCN, 2009).

Kioko *et al.* (2015: 19) report a roadkill on the Arusha Highway (Tanzania).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dq) [in IUCN (2009)] indicate that on the African continent, there are no species-specific conservation measures in place, but there are some protected areas within its range. Both of the known sites for this species in Madagascar are within protected areas (the Ankarana Special Reserve and Namoroka National Park).

GENERAL DISTRIBUTION:
Coleura afra is found in much of east and eastern-central Africa, with an isolated record from central Mozambique. It is also found in West Africa, with records from Guinea and Guinea Bissau, northern Côte d'Ivoire, Ghana, Togo, Benin, and western Nigeria. There is also a small distribution in western Angola. This species was recently discovered in Madagascar (Goodman *et al.*, 2005a) and is known only from the Ankarana Special Reserve in the north of the island and the Namoroka National Park in the west.

Harrison (1967: 166) reported a specimen collected in the Strait of Bab el Mandeb, at the southern approach of the Red Sea.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 535); Benin; Burkina Faso (Kangoyé *et al.*, 2012: 6024; 2015a: 614); Cameroon (Lebreton *et al.*, 2014: 2); Central African Republic; Congo (The Democratic Republic of the); Côte d'Ivoire; Djibouti (Pearch *et al.*, 2001: 394); Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 147); Ghana; Guinea; Guinea-Bissau (Monard, 1939; Rainho and Ranco, 2001: 39); Kenya; Madagascar (Goodman *et al.*, 2005a); Mozambique Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 535) ; Nigeria (Happold, 1987); Somalia; Sudan; Tanzania (including the island of Pemba [see O'Brien, 2011: 287]); Togo (Capo-Chichi *et al.*, 2004: 161); Uganda; Yemen (Harrison and Bates, 1991: 34; Benda *et al.*, 2011b: 31).
Presence uncertain: Burundi; Rwanda.
Possibly extinct: Congo (Mickleburgh *et al.*, 2008dq; IUCN, 2009).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Lucati and López-Baucells (2016: Suppl.) report on a piebald (all-white fur/skin patches, eyes always normally coloured) specimen from a cave in Kenya (https://www.inaturalist.org/observations/877909).

DETAILED MORPHOLOGY:
Baculum - Unknown.
Brain - Based on three brains from Kenya, using immunohistochemical methods, Kruger *et al.* (2010a) describe the nuclear organization of the cholinergic, catecholaminergic and serotonergic

systems, and Kruger *et al.* (2010b) also describe the distribution of Orexin-A immunoreactive cell bodies and terminal networks.

SEXUAL DIMORPHISM:
Kangoyé *et al.* (2015a: 614) confirm the sexual dimorphism found by Goodman *et al.* (2008b): in both body and cranial measurements, the females are larger than the males.

ECHOLOCATION:
See Pye (1980) and Taylor *et al.* (2005).

HABITAT:
In Nigeria, the African sheath-tailed bat is found in localised rocky habitats in southern Guinea savanna (Happold, 1987). Rosevear (1965) stated that they occur in woodland but only where there are acceptable roosting places. It is likely that other colonies occur in suitable rocky habitats in the southern Guinea savanna of western Nigeria (Mickleburgh *et al.*, 2008dq).
On Madagascar this bat taxon appears to be more varied in its habits, with some roost sites typically very dark and others quite close to the cave entrance. The two known sites on Madagascar are within dry deciduous tropical forest on a karst substrate (Goodman *et al.*, 2005a).

ROOST:
On mainland Africa, the African sheath-tailed bat is found in well illuminated caves, rocky crevices and cellars of houses (Rosevear, 1965). It preferentially roosts in caves along the sea and lake shores (Kingdon, 1974).

Lebreton *et al.* (2014: 2) report on a colony of about 5,000 specimens roosting in a cave in a rocky, forest-covered hill in Cameroon, which was also occupied by *Rousettus aegyptiacus*. Kangoyé *et al.* (2015a: 614) observed thousands of individuals in a cave on a hill at Néguéni, Burkina Faso.

MIGRATION:
Some authours suggest that *Coleura afra* migrates (Happold, 1987; Skinner and Smithers, 1990).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Dark chanting goshawk (*Melierax metabates* Heuglin, 1861) as diurnal avian predator.

POPULATION:
Structure and Density - In the African portion of *Coleura afra* distribution, it roosts in large colonies (in the 1,000s of animals) (Mickleburgh *et al.*, 2008dq; IUCN, 2009). The population and local abundance of this species in Madagascar is not known, but there is a minimum estimate of 500 individuals in one cave complex in Ankarana, Madagascar.
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008dq; IUCN, 2009). 2004 - Unknown (Mickleburgh *et al.*, 2004h; IUCN, 2004).

REPRODUCTION AND ONTOGENY:
Krutzsch (2000: 113) indicates that *C. afra* is monoestrous in parts of their range and polyoestrous in others. McWilliam (1987b) observed that this species has two reproductive cycles per year in Kenya. He also showed that early postnatal growth rates in *C. afra* were higher during the short rainy season than during the long rainy season which followed an extended dry period. This can be attributed to the poor condition of females following a pregnancy when food resources were low.

PARASITES:
BACTERIA
Bartonellae
Bartonella - Kosoy *et al.* (2010: 1877) and Bai and Kosoy (2012: 58) reported a prelevence of *Bartonella* spp. In *C. afra* from Kenya of 4/9 (44.4 %) cultured from blood samples. Four genotypes of *Bartonella* spp. Identified in *C. afra* differed slightly from one another but clustered tightly within a genogroup (Kosoy *et al.*, 2010: 1878). See also Kosoy (2010: 719) for further information.

ACARI
Fain (1959b: 249, 254) described *Chirnyssus africanus* (Sarcoptidae) from a *C. afra* specimen collected on Mount Wago, near Bukwa, Haut-Ituri, DRC and from a "*Coleura gallarum*" from Moba, DRC. In a subsequent paper, Fain (1959d: 150, 159) described *Notoedres (Notoedres) benoiti* (Sarcoptidae) from the same hosts and localities.

HEMIPTERA
Polyctenidae: *Eoctenes coleura* Maa, 1964 from Sudan (Haeselbarth *et al.*, 1966: 16, host as *Coleura gallarum*).

DIPTERA
Streblidae: *Raymondia huberi* Frauenfeld, 1856 from Mozambique and Ethiopia (Haeselbarth *et al.*, 1966: 102; Shapiro *et al.*, 2016: 254). *Raymondi seminuda* Jobling, 1954 from Tanzania (Jobling (1954) in Haeselbarth *et al.* (1966: 104)).
Nycteribiidae: *Penicillidia fulvida* (Bigot, 1885) (Haeselbarth *et al.*, 1966: 114, host as *Coleura gallarum*; Obame-Nkoghe *et al.*, 2016: 5, Gabon); *Nycteribia schmidlii scotti* Falcoz, 1923 (Obame-Nkoghe *et al.*, 2016: 5, Gabon).

VIRUSES:
Conrardy *et al.* (2014) tested 2 individuals from Kenya for the presence of adenoviruses,

rhabdoviruses and paramyxoviruses, none of which tested positive. Maganga *et al.* (2014b) tested 94 *C. afra* samples collected from the Belinga caves of Gabon of which 14 tested positive to an unclassified paramyxovirus named Belinga bat virus (BelPV), one individual presented with haemorrhagic legions at necropsy.

In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Coleura afra*: Adenoviruses, Astroviruses, Paramyxoviruses.

Bunyaviridae
Nairovirus
Six out of 14 *C. afra* specimens from Gabon tested by Müller *et al.* (2016: 3) were positive for Crimean Congo hemorrhagic fever virus (CCHFV).

Coronaviridae - Coronaviruses
SARS-CoV - During Febuary 2008, Pfefferle *et al.* (2009) tested 33 fecal samples from two localities in Ghana, and these were negative for coronavirus (CoV) RNA. None of the 85 Kenyan bats tested by Tao *et al.* (2017: Suppl.) were positive for CoV.

Paramyxoviridiae
Drexler *et al.* (2012a: 4) report that morbili-related viruses found in *Myotis myotis* in Germany were also found in one *Coleura afra* specimen from Ghana (out of 96 examined).
Maganga *et al.* (2014b) described a new Paramyxovirus (Belinga bat virus, BelPV) from 14 *C. afra* specimens from the Belinga caves (Gabon). One of these bats died due to several hemorrhagic lesions. None of the other bat species inhabiting the same caves were infected by this virus (*Hipposideros* cf. *ruber, Hipposideros gigas, Miniopterus inflatus, Rousettus aegyptiacus, Rhinolophus alcyone*).

Rhabdoviridae
Lyssavirus - Rabies related viruses
Horton *et al.* (2014: Table S1) tested 30 Kenyan *C. afra* specimens, but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus).

In their overview table, Maganga *et al.* (2014a: 8) reported that the following viruses were already found on *C. afra*: Morbillivirus unclassified.

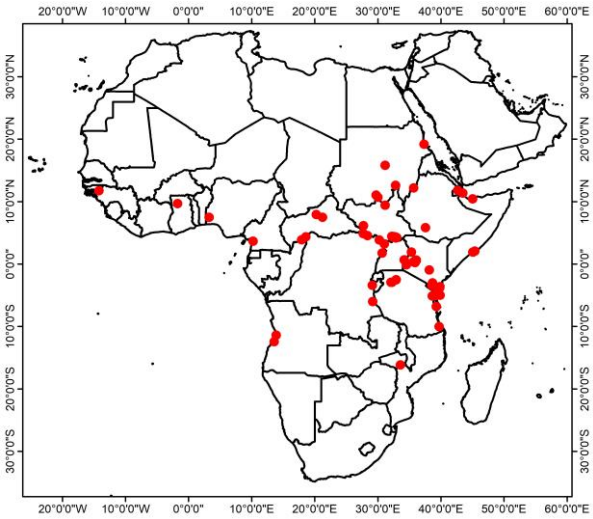

Figure 127. Distribution of *Coleura afra*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Djibouti, Egypt, Ethiopia, Ghana, Guinea-Bissau, Kenya, Mozambique, Nigeria, Somalia, South Sudan, Sudan, Tanzania, Uganda.

Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012

*2012. *Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, J. Mamm., 93 (6): 1442, 1446, figs 3, 4. Publication date: December 2012. Type locality: Madagascar: Antsiranana province: Ankarana National Park, 2.2 km ESE Amboandriky: Ambatoharanana cave (Crocodile cave) [12.98838S 49.02178E, 20 m] [Goto Description]. Holotype: FMNH 213598: ad ♀, skull and alcoholic. Collected by: Steven M. Goodman and M. Corrie Schoeman; collection date: 2 November 2010; original number: SMG 16954. Paratype: FMNH 183864: ♀, skull and alcoholic. Paratype: FMNH 183865: ♂, skull and alcoholic. Paratype: FMNH 183866: ♂, skull and alcoholic. Paratype: FMNH 183867: ♀, skull and alcoholic. Paratype: FMNH 183907: skull only. Collected by: Scott G. Cardiff. Paratype: FMNH 213591: ♀, skull and alcoholic. Paratype: FMNH 213592: ♀, skull and alcoholic. Paratype: FMNH 213593: ♀, skull and alcoholic. Paratype: FMNH 213594: ♀, skull and alcoholic. Paratype: FMNH 213595: ♀, skull and alcoholic. Paratype: FMNH 213596: ♂, skull and alcoholic. Paratype: FMNH 213597: ♂, skull and alcoholic. Paratype: FMNH 213599: ♀, alcoholic (skull not removed). Collected by: Steven M. Goodman and M. Corrie Schoeman. Paratype: FMNH 213600: ♀, alcoholic (skull not removed). Collected by: Steven M. Goodman and M. Corrie Schoeman. Paratype: FMNH 213601: ♀, alcoholic (skull not removed). Collected by: Steven M. Goodman and M. Corrie Schoeman. Paratype: FMNH 213602: ♀, alcoholic

(skull not removed). Collected by: Steven M. Goodman and M. Corrie Schoeman. Paratype: FMNH 213603: ♀, alcoholic (skull not removed). Collected by: Steven M. Goodman and M. Corrie Schoeman. Paratype: UADBA 43497: ♂, alcoholic (skull not removed). Collected by: Richard K.B. Jenkins. - Etymology: The name *kibomalandy* is derived from a northern Malagasy dialect and means white (*malandy*) and belly (*kibo*) and refers to this species' distinctive underside, which distinguishes it from other described species of *Coleura, Paremballonura*, and *Emballonura* (see Goodman *et al.*, 2012a: 1446). (Current Combination)

TAXONOMY:
Goodman *et al.* (2012a) described a new species of *Coleura* based on morphology and molecular data.

COMMON NAMES:
English: Madagascar Sheath-tailed Bat. French: Emballonure de Madagascar.

CONSERVATION STATUS:
Goodman *et al.* (2012a: 1449) suggest that this is a species of conservation concern due to its restricted distribution and its apparent limited number of individuals.

GENERAL DISTRIBUTION:
This species is known from two sites on Madagascar: the Ankarana National Park and the Namoroka National Park.

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 57) described the baculum as a distinctly small structure, which, in dorsal view, has a sort of oblong shape. It is constricted along the mid-shaft and has a rounded tip that is smaller than the rounded basal portion. In lateral view, it tapers from the proximal to distal side, and it also is slightly constricted along the mid-shaft in this view. There is a slight hook to the tip. Length: 0.12 mm, width: 0.09 mm.

ECHOLOCATION:
Goodman *et al.* (2012a: 1448) mention the following parameters: low PF (< 35 kHz), narrow BW (< 7 ms), and short Dur (< 6 ms).

HABITAT:
Dammhahn and Goodman (2013: 108) indicate that the foraging habitat of this species is unknown, but probably is in open areas or in open forests.

POPULATION:
Goodman *et al.* (2012a: 1449) indicate that in July 2004, there were about 500 animals in the Ambatoharanana cave, and that no information is available on the population in the other cave.

PARASITES:
Gomard *et al.* (2016: 5) reported the presence of *Leptospira* bacteria in one out of three tested bats.

VIRUSES:
Mélade *et al.* (2016b: 4) found Paramyxoviruses in two out of six *C. kibomalandy* specimens they tested.

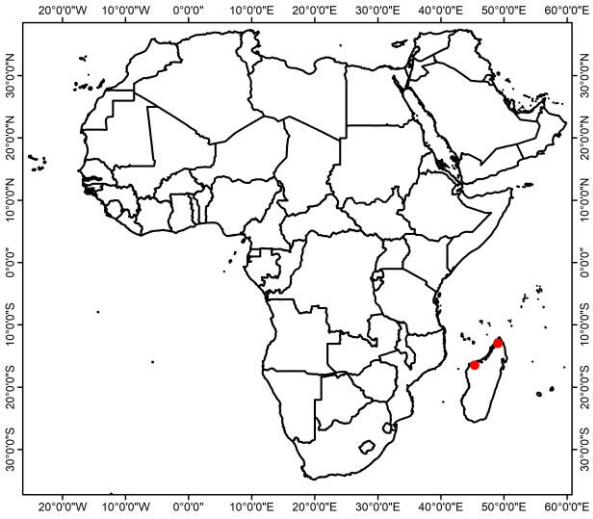

Figure 128. Distribution of *Coleura kibomalandy*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Coleura seychellensis Peters, 1868

*1868. *Coleura seychellensis* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 367. Publication date: 1869. Type locality: Seychelles. Syntype: ZMB 3470a: ♂. Presented/Donated by: Prof. Edward Percival Wright, University of Dublin, see Turni and Kock (2008: 22). Syntype: ZMB 3470b: ad ♂. Presented/Donated by: Prof. Edward Percival Wright, University of Dublin, see Turni and Kock (2008: 22). Cotype: BMNH 1869.2.19.2: ad ♂. See Thomas (1915b: 579); Turni and Kock (2008: 22) indicate that the BMNH specimen can not be a (co-)type since Peters only used the ZMB specimens for his description,

therefore they also reject Thomas' restriction of the type locality to Mahé Island. - Comments: Allen (1939a: 65) mentions "1869, for 1868". - Etymology: Referring to the island group where the species occurs. (Current Combination)

1915. *C[oleura] silhouettæ* Thomas, Ann. Mag. nat. Hist., 8, 15 (90): 576, 578. Publication date: 1 June 1915. Type locality: Seychelles: Silhouette Island [Goto Description]. Holotype: BMNH 1906.3.18.2: ad ♂, skin and skull. Collected by: Prof. J. Stanley Gardiner. Presented/Donated by: Prof. J. Stanley Gardiner. - Comments: In the key on page 576 mentioned as *C. silhouettæ*, and in the description on p. 578 as *Coleura silhouettæ*.

TAXONOMY:
Two subspecies are recognized *Coleura seychellensis seychellensis* from Mahé and Praslin, and *C. s. silhouettae* from Silhouette and La Digue (Hill, 1971a: 575; Rocamora and Joubert, 2004; Simmons, 2005).

COMMON NAMES:
Creole: Sousouri banann. Czech: pochvorep seychelský, netopýr seychelský. English: Seychelles Sheath-tailed Bat. French: Chauve-souris à queue gainée des Seychelles, Emballonure des Seychelles, Chauve-souris à queue en fourreau des Seychelles. German: Seychellen Schiebeschwanz-Fledermaus.

CONSERVATION STATUS:
Global - Listed as Critically Endangered (CR C2a(i) ver 3.1 (2001)) because its population size is estimated to number fewer than 250 mature individuals, with no subpopulation greater than 50 individuals, and it is experiencing a continuing decline (Gerlach *et al.*, 2008; IUCN, 2009; Jones *et al.*, 2009b: 506). Bambini *et al.* (2005) reported that the bats may have become extinct on the island of Praslin within the first five years of the 21th century.

Assessment History -
2008 - CR C2a(i) ver 3.1 (2001) (Harrison and Lewis, 1961; IUCN, 2009). 2004 - CR C2a(I,ii) ver 3.1 (2001) (IUCN, 2004; Mickleburgh *et al.*, 2004g). 2002 - CR B1+2cde, C2b, D (Mickleburgh *et al.*, 2002a). 1996 - CR (Baillie and Groombridge, 1996). 1994 - EN (Groombridge, 1994). 1993 - EN (World Conservation Monitoring Centre, 1993). 1990 - EN (IUCN 1990). 1988 - EN (IUCN Conservation Monitoring Centre 1988).

Collen *et al.* (2011: 2615) put this species on position 26 of their top 100 mammals that need urgent conservation attention on the basis of a combination of high Evolutionary Distinctivness (ED) and high threat status.

MAJOR THREATS:
Gerlach (2004) reports that the most catastrophic decline of this species probably occurred in the late 1800s and early 1900s when lowland forests were cleared, converting the mosaic of woodland and open gaps to intensively managed coconut plantations with no shrub layer to support the invertebrate diet of this species. Invasive plants including the Kudzu vine (*Pueraria phaseoloides*) and coconut scrub from abandoned plantations threaten remaining suitable habitat for this species. Kudzu vine threatens to overgrow roost cave entrances or to change the temperature gradient within caves (Gerlach and Taylor, 2006). Senior *et al.* (2007: 9) also added that - upon leaving their roosts - all the bats follow the same route, which follows the line with the least vegetation cover. Any encroachment of vegetation will make entry and exit to the roosts more difficult and could be a reason for roost abandonment. The species is sensitive to disturbance of roosting caves and this remains a threat to any active roost sites. Other suggested threats have been the predation of bats by the barn owl, *Tyto alba*, introduced in 1949, and feral cats (Gerlach *et al.*, 2008; IUCN, 2009). Burgess and Lee (2004: 69) mention that pesticide contamination is probably not a significant threat.

CONSERVATION ACTIONS:
Gerlach *et al.* (2008) [in IUCN (2009)] report that Rocamora and Joubert (2004) recommend annual census of individuals along established transects; regular sensitive visits to all known roosting localities with additional surveys to locate any additional sites; reevaluation of the species distribution every three or four years; legal protection of all known roosting sites and their immediate surroundings; control of introduced predators (barn owl *Tyto alba* and cats); habitat protection within known feeding areas; public awareness campaigns; ongoing and additional research into the distribution, ecology and threats to this species. Gerlach and Taylor (2006) also outline the importance of removing invasive vegetation from existing and abandoned roost sites, and restoring lowland forests through the control of coconut and cinnamon, and replanting native vegetation.

GENERAL DISTRIBUTION:
This species is endemic to the Seychelles, and is currently found on the islands of Silhouette, Mahé (in the northwest of the island) and Praslin. It is thought to have become extinct on La Digue island

and Praslin since 1980s (Gerlach *et al.*, 2008). Senior *et al.* (2007: 3), however, indicated that these bats were only found on Silhouette and Mahé, and that they were last seen on Praslin in 2001 and on La Dique in 1976.

The Zanzibar record is extremely dubious (Simmons, 2005).

Native: Seychelles,
Presence uncertain: Zanzibar.

SEXUAL DIMORPHISM:
Nicoll and Suttie (1982) [in Ball (2004: 136)] indicate that females are almost 10 % heavier than males: 10.2 grams versus 11.1 grams.

ECHOLOCATION:
Burgess and Lee (2004: 72) report ultrasounds of 28 to 29 kHz, produced when flying in and out the entrances of their roosting caves. Inside the caves, sounds with a frequency between 24 and 26 kHz were produced. However, Clark (2004: 77) mentions sounds at around 30 - 40 kHz. Joubert (2004: 58) indicates that two harmonic bands are present: one at 40 kHz and one at 25 - 30 kHz. Ball (2004: 136) mentions an echolocation range from 20 to 50 kHz, but that it is usually around 30 kHz when flying within the roost.

HABITAT:
This species has been recorded from coastal boulder field caves with stable cool temperatures and access into native palm woodland or marsh habitat (Gerlach and Taylor, 2006).

ROOST:
It appears to need boulder caves with horizontal ceilings; low, stable temperatures; and clear cave flyways not obscured by vegetation (Gerlach and Taylor, 2006). Abandoned roosts have been recorded from all four islands in the species historical distribution. A detailed study of the roosting site at La Passe is provided by Burgess and Lee (2004).

DIET:
Joubert (2004: 61) reports the following percentage of prey eaten by *C. seychellensis*: Diptera (30.5 %), Hymenoptera (25 %), Lepidoptera (19.5 %), Coleoptera (22 %), and Hemiptera (3 %).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention *C. seychellensis* to be predated upon by *Falco* sp. and an unidentified species of diurnal avian predator.

POPULATION:
Structure and Density - The species was noted by Wright (1868) to be 'very common in the neighbourhood of the town of Port Victoria'. Joubert (2004) mentions that the species was seemingly still abundant up to the 1970s, and that the use of guano deposits as an indicator suggests that the magnitude of decline may have been as high as 90 %. The global population is now clearly very small, and although the precise number is not known, it is believed to be fewer than 100 mature individuals (Rocamora and Joubert, 2004; Gerlach *et al.*, 2008). The roosting cave at La Passe was recorded to contain 32 bats in total in 2003 (Gerlach, 2004; Gerlach *et al.*, 2008). More recently only 27 animals have been recorded roosting at this locality (Gerlach *et al.*, 2008), but Gerlach (2011: 54) mentioned that the size of this colony has increased to 40 in 2009, and that it split up in two parts of approximately 20 individuals in 2010, one remaining at La Passe and the second at Anse Lascars.

Senior *et al.* (2007: 16) indicate that the population might be higher than estimated IF this species has indeed a harem structure as was suggested by Nicoll and Suttie (1982) as non-harem males would not roost with mating groups. However, this might also have a negative influence due to greater levels of inbreeding.

Trend - 2008 - Decreasing (Gerlach *et al.*, 2008; IUCN, 2009). 2004 - Decreasing (Mickleburgh *et al.*, 2004g; IIUCN, 2004).

ACTIVITY AND BEHAVIOUR:
Joubert (2004) and Gerlach and Taylor (2006) provide specific details on the ecological requirements of this rare species.

Smotherman *et al.* (2016: 537) refer to Gerlach (2009b) in describing the song-like structure for *C. seychellensis* as consisting of different syllable types in series.

REPRODUCTION AND ONTOGENY:
Nicoll and Suttie (1982) [in Krutzsch (2000: 113)] indicate that *C. seychellensis* is a polyoestrous species.

MATING:
Burgess and Lee (2004: 69) indicate that a harem structure might exist, but their observations were inconclusive.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Seychelles.

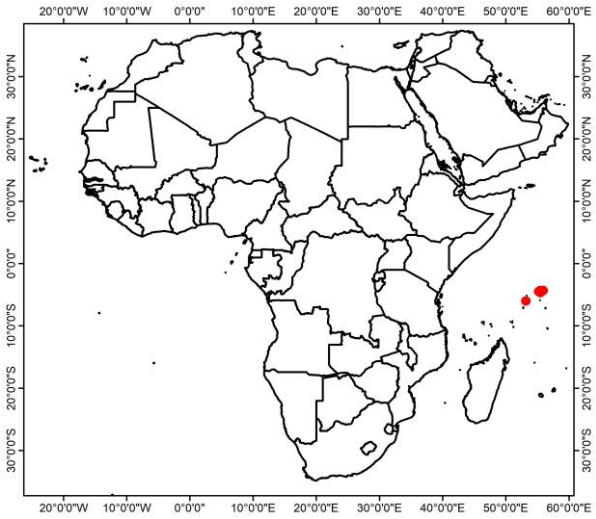

Figure 129. Distribution of *Coleura seychellensis*

†Genus ***Dhofarella*** Sigé, Thomas, Sen, Gheerbrant, Roger, and Al-Sulaimani, 1985

*1994. *Dhofarella* Sigé, Thomas, Sen, Gheerbrant, Roger and Al-Sulaimani, Munch. Geowiss. Abh, (A) 26: 35 - 48. - Comments: See Gunnell *et al.* (2008: 5). (Current Combination)

TAXONOMY:
Morpholigally considered closer to *Taphozous* than to *Vespertiliavus* (Lim, 2007).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The oldest known emballonurid fossils from Africa. Early Oligocene age (33.9 Mya) (Lim, 2007).

Timeframe:
Late Eocene (Priabonian) - Early Oligocene (Rupelian) (33.9 Mya).

GENERAL DISTRIBUTION:
Oman (Sigé *et al.*, 1994; Lim, 2007).

†***Dhofarella sigei*** Gunnell, Simons and Seiffert, 2008

*2008. *Dhofarella sigei* Gunnell, Simons and Seiffert, J. Vert. Paleont., 28 (1): 5, fig. 6. Type locality: Egypt: Fayum Depression: Quarry L-41: Lower Sequence, Jebel Qatrani Formation. Holotype: CGM 83670. A left dentary series m1-m3. - Etymology: Named for Bernard Sigé, in recognition of his many contributions to the study of Cenozoic bats (Gunnell *et al.*, 2008). (Current Combination)

TAXONOMY:
See Gunnell *et al.* (2008).

SIMILAR SPECIES:
See Gunnell *et al.* (2008).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
See Gunnell *et al.* (2008).

Timeframe:
Latest Eocene, Priabonian, Lower Sequence, Jebel Qatrani formation.

GENERAL DISTRIBUTION:
Egypt (Gunnell *et al.*, 2008).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Gunnell *et al.* (2008).

†***Dhofarella thaleri*** Sigé et al., 1994

*1994. *Dhofarella thaleri* Sigé, Thomas, Sen, Gheerbrant, Roger and Al-Sulaimani, Munich. Geowiss. Abh., (A) 26: 35 - 48. Type locality: Oman. (Current Combination)

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe:
Early Oligocene (see Lim, 2007).

Genus ***Paremballonura*** Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012

*2012. *Paremballonura* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, J. Mamm., 93 (6): 1445. Publication date: December 2012 [Goto Description]. - Etymology: From the Greek prefix *para*-, meaning close to or besides, and the genus *Emballonura* Temminck, 1838 (see Goodman *et al.*, 2012a: 1445).

TAXONOMY:
Goodman *et al.* (2012a: 1440) found this genus to be paraphyletic, which resulted in the description of a new genus for the Malagasy *Emballonura* clade: *Paremballonura*.

Known species of the genus of *Paremballonura*: ***atrata*** (Peters, 1874); ***tiavato*** (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
There are fossil *Paremballonura* (refered to as *Emballonura*) of probable Pleistocene age (1.81 Mya) from Madagascar (McKenna and Bell, 1997; Lim, 2007).

Paremballonura atrata (Peters, 1874)

*1874. *Emballonura atrata* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 693. Type locality: Madagascar: "Interior of Madagascar". Holotype: ZMB 4692: ♀. Collected by: Alfred Crossley. See Dobson (1878: 363) and Peterson *et al.* (1995: 56). Goodman *et al.* (2006a: 19) mention that the assumption by Peterson *et al.* (1995) that J.M. Hildebrandt is the collector, is wrong. Instead, Alfred Crossley is the collector, and they also indicate that the type locality remains unclear.

2012. *Paremballonura atrata* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, J. Mamm., 93(6): 1445. (Name Combination, Current Combination)

TAXONOMY:
Following a recent taxonomic revision based on genetic and morphological comparisons, *Paremballonura atrata* is now confined to the east of Madagascar, with the smaller *P. tiavato* occurring in the west (Goodman *et al.*, 2006a). Reviewed by Peterson *et al.* (1995). *atata* species group Simmons (2005: 388).

COMMON NAMES:
English: Madagascar sheath-tailed bat, Peter's Sheath-tailed Bat, Peters's Sheath-tailed Bat. French: Chauve-souris malgache à queue en fourreau, Emballonure de Madagascar. German: Madagaskar-Freischwanzfledermaus.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Sabatier and Legendre (1985: 23) and Gunnell *et al.* (2014: 3) refer to fossils material from Tsimanampetsotsa, on Madagascar.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) because it is relatively widespread in eastern Madagascar and although its population is certainly decreasing as the humid forest is converted into agricultural areas there is no evidence that the decrease has been rapid enough to warrant Near Threatened or threatened status (Jenkins *et al.*, 2008d; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jenkins *et al.*, 2008d; IUCN, 2009). 1996 - VU A2c ver 2.3 (1994) (IUCN, 1996).

MAJOR THREATS:
Paremballonura atrata is collected by people for bushmeat in one part of eastern Madagascar (D. Andriafidison *pers comm.,* in Jenkins *et al.*, 2008d). Otherwise, forest clearance for expanding agriculture threatens the foraging and roosting sites for this species (Jenkins *et al.*, 2007b; Jenkins *et al.*, 2008d; IUCN, 2009). Jenkins *et al.* (2007b: 219) also point out that fire (started by farmers?) is a potential threat, as traces of fire

were found at the entrances of their roosting caves.

CONSERVATION ACTIONS:
Jenkins *et al.* (2008d) [in IUCN (2009)] note that *P. atrata* has been recorded from Parc National de Mantadia (Randrianandriananina *et al.*, 2006) and Parc National de Midongy du Sud (Goodman *et al.*, 2006a) as well as from a network of protected sites around the Baie de Antogil (Goodman *et al.*, 2006a). It probably does not require specific conservation action as long as forest vegetation is protected, but local populations should be monitored at roosting sites (Jenkins *et al.*, 2008d; IUCN, 2009).

GENERAL DISTRIBUTION:
This species is restricted to the humid zone of eastern Madagascar and has been recorded from around Maroantsetra in the north to Tolagnaro (Fort Dauphin) in the south (Goodman *et al.*, 2006a). It is known from a wide elevational range, from as low as 30 m (Goodman *et al.*, 2006a) to at least 900 m (Randrianandriananina *et al.*, 2006).

Native: Madagascar (Goodman *et al.*, 2006a) - Ile Sainte-Marie (Rakotonandrasana and Goodman, 2007: 6).

DETAILED MORPHOLOGY:
Baculum:
The baculum is small and circular in shape (Rakotondramanana and Goodman, 2017: 58); length: 0.09, 0.12 mm; width: 0.09, 0.12 mm.

ECHOLOCATION:
Kofoky *et al.* (2009: 379) reported the call from two individuals flown in a flight cage as FM/CF/FM with the most energy in the second harmonic at 52.9 kHz.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003) and Goodman *et al.* (2006a).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
It is considered to be dependent on relatively intact forest (Goodman *et al.*, 2005a; 2006a).

ROOST:
Paremballonura atrata is usually found roosting in caves and small crevices in or near to relatively intact humid forest (Goodman *et al.*, 2006a; Randrianandriananina *et al.*, 2006; Kofoky *et al.*, 2007; Jenkins *et al.*, 2007b).

DIET:
Based on droppings from five specimens, Rasoanoro *et al.* (2015: 64) report the following volume percentages of prey types: Coleoptera: 26.7 ± 8.09, Diptera: 40.9 ± 12.55, Hemiptera: 12.0 ± 1.16, and Hymenoptera: 31.3 ± 8.76.

POPULATION:
Structure and Density - There is no information on population size. This species is rarely trapped in flight or detected acoustically and information on populations and distribution is mainly from bats found in caves (Jenkins *et al.*, 2008d). Colony size in caves rarely exceeds 20 individuals (Jenkins *et al.*, 2007b).
Trend - 2008 - Unknown (Jenkins *et al.*, 2008d; IUCN, 2009).

UTILISATION:
Paremballonura atrata is collected by people for bushmeat in one part of eastern Madagascar (D. Andriafidison *pers comm.* in Jenkins *et al.*, 2008d).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

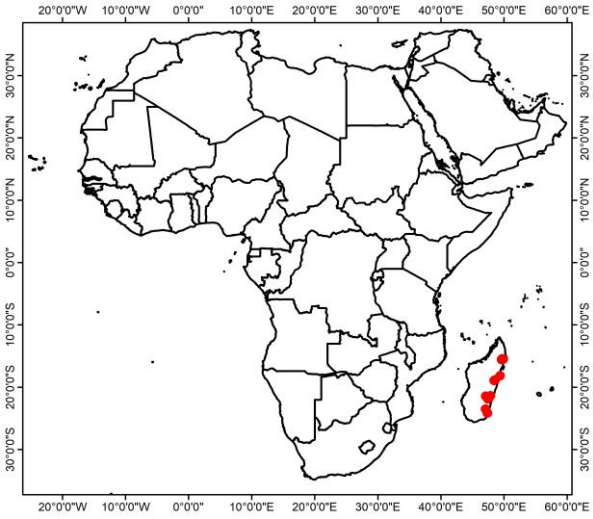

Figure 130. Distribution of *Paremballonura atrata*

Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)

*2006. *Emballonura tiavato* Goodman, Cardiff, Ranivo, Russell and Yoder, Am. Mus. Novit., 3538: 1, 6, figs, 2, 3, 4, 5. Publication date: 19 October 2006. Type locality: Madagascar: Antsiranana province: Réserve Spéciale d'Ankarana, 2.6 km E Andrafiabe: Andrafiabe cave, in forest near [12 55.9 S 49 03.4 E, 50 m] [Goto Description]. Holotype: FMNH 169705: ad ♂, skin and skull. Collected by: Steven M. Goodman; collection date: 22 January 2001; original number: 11923a. - Etymology: From the Malagasy for "like rocks",

referring to the tendency of this bat to occur in areas with exposed rock outcrops and caves (see Goodman *et al.*, 2006a: 6).

2012. *Paremballonura tiavato* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, J. Mamm., 93(6): 1445. (Name Combination, Current Combination)

TAXONOMY:
Described as a new species in a split from "*Emballonura atrata*" (Goodman *et al.*, 2006a).

COMMON NAMES:
Czech: pochvorep madagaskarský. English: Western Sheath-tailed Bat. French: Emballonure des rochers. German: Tsingy-Freischwanzfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) because although this species is declining due to the impacts of ongoing forest loss due to shifting agriculture and logging the reduction of suitable habitat is not thought to be sufficient to warrant listing in a higher category of threat. However, this species is not abundant within its range and requires close population monitoring and a reassessment may be needed in the near future (Jenkins *et al.*, 2008e; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jenkins *et al.*, 2008e; IUCN, 2009).

MAJOR THREATS:
Paremballonura tiavato is threatened by habitat loss due to slash-and-burn agriculture (tavy) and from charcoal collecting and logging (Jenkins *et al.*, 2008e; IUCN, 2009). Other potential threats come from the disturbance of roosting caves from tourists (Kofoky *et al.*, 2007), fire (Jenkins *et al.*, 2007b) or mining (Cardiff, 2006).

CONSERVATION ACTIONS:
Jenkins *et al.* (2008e) [in IUCN, 2009)] report that it is known from three protected areas, Parc National Tsingy de Bemaraha, Réserve Spéciale d'Ankarana, Réserve Spéciale d'Analamerana (Goodman *et al.*, 2005a).

GENERAL DISTRIBUTION:
Endemic to Madagascar (Goodman *et al.*, 2006a). It is restricted to the karstic lowland areas in the western part of the island, extending from the drier areas in the north in Diana Region to Parc National Tsingy de Bemaraha in the west (Goodman *et al.*, 2005a). A record from Toliara in the extreme south has also been attributed to this species (Peterson *et al.*, 1995), but the specimen was not examined as part of the recent reassessment of *Emballonura* taxonomy on Madagascar (Goodman *et al.*, 2006a). The distribution of this species would be significantly reduced if the Toliara specimen was omitted. It is currently known to range between 10 and 330 m elevation (Goodman *et al.*, 2006a).

Native: Madagascar (Goodman *et al.*, 2005a; Goodman *et al.*, 2006a) - Nosy Be (Peterson *et al.*, 1995: 57; Rakotonandrasana and Goodman, 2007: 6) and Nosy Komba (Rakotonandrasana and Goodman, 2007: 6).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Goodman *et al.* (2006a).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Goodman *et al.* (2006a).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 58) indicate that the baculum of this species is more elongated than the rounded form of *P. atrata*; length: 0.09 mm, width: 0.08 mm.

For a description of the crania, teeth, ears and tragus see Goodman *et al.* (2006a).

ECHOLOCATION:
Kofoky *et al.* (2009: 377) reported the call as a FM/CF/FM with up to five harmonics, produced short calls with a medium IPI and a low duty cycle, with a maximum energy at 55.2 kHz.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
It appears to be associated with relatively intact forest and is believed to be forest dependent (Goodman *et al.*, 2005a; Goodman *et al.*, 2006a).

Dammhahn and Goodman (2013: 108) indicate that the lower portion of forest is this bat's foraging habitat.

HABITS:
At night it has been observed resting on buildings (Goodman *et al.*, 2006a). It feeds in forest understorey and over small streams with bank side vegetation (Robinson *et al.*, 2006).

ROOST:
Usually found roosting in the entrance to caves and rock overhangs that receive weak sunlight (Cardiff, 2006; Goodman *et al.*, 2006a; Kofoky *et al.*, 2007).

DIET:
Lepidoptera (Razakarivony *et al.*, 2005; Goodman *et al.*, 2006a).

POPULATION:
Structure and Density - Roosting colonies of *E. tiavato* are usually relatively small (< 20 individuals) (Jenkins *et al.*, 2008e; IUCN, 2009).
Trend - 2008 - Unknown (Jenkins *et al.*, 2008e; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
See Goodman *et al.* (2006a).

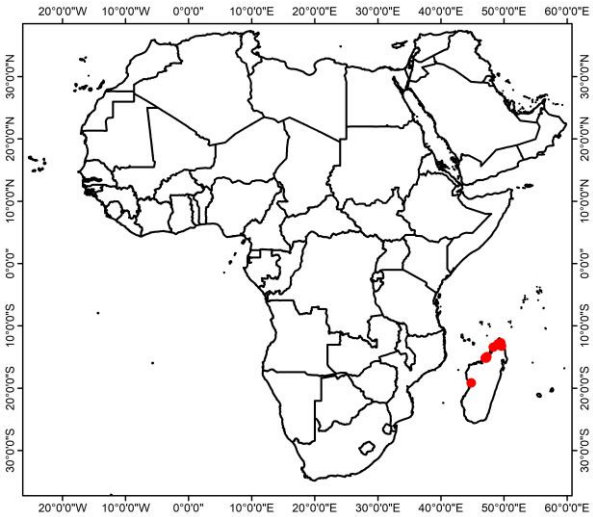

Figure 131. Distribution of *Paremballonura tiavato*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

†Genus ***Pseudovespertiliavus*** Ravel, 2016

*2016. *Pseudovespertiliavus* Ravel, in: Ravel et al., Geodiversitas, 38 (3): 356, 388. Publication date: 30 September 2016. - Etymology: The name refers to the multiple morphological similarities with the genus Vespertiliavus (see Ravel et al. 2016: 388).

†***Pseudovespertiliavus parva*** Ravel, 2016

*2016. *Pseudovespertiliavus parva* Ravel, in: Ravel et al., Geodiversitas, 38 (3): 356, 388, figs 16, 17. Publication date: 30 September 2016. Type locality: Algeria: Béchar province: Gour Labiz region (Sahara, Hammada du Dra).: Glib Zegdou [29 42 49 N 04 45 58 W] [Goto Description]. - Etymology: From the Latin *parva* meaning small, referring to the small size of this bat (see Ravel *et al.*, 2016: 388).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe:
Late lower Eocene to early middle Eocene.

Genus ***Saccolaimus*** Temminck, 1838

*1838. *Saccolaimus* Temminck, in: Van der Hoeven, Tijdschr. Nat. Gesch. Physiol., 5: 14. - Comments: Corbet and Hill (1992: 85), Grubb *et al.* (1998: 72) mention "1838: 6 (and 1841a: 277, 279) [C&H]". Type species: *Taphozous saccolaimus* Temminck, 1838. - Etymology: From the Greek "*σάκκος*", meaning sac and "*λαιμός*", meaning throat, gullet, referring to the well-developed gular sacs of the type species (see Palmer, 1904: 615; Flannery, 1995a: 328; 1995b: 401). (Current Combination)

1876. *Taphonycteris* Dobson, Proc. zool. Soc. Lond., 1875, IV: 548. Publication date: April 1876. - Comments: Type species: *Taphozous saccolaimus* Temminck, 1838. - Etymology: From the Greek "*τάφος*", meaning grave and "*νυκτερίς*", meaning bat (see Palmer, 1904: 661).

TAXONOMY:
Considered a subgenus of *Taphozous* by Ellerman and Morrison-Scott (1951: 104), Corbet and Hill (1980: 45), Corbet and Hill (1992: 85), and Kock and Dobat (2000: 87), but see Barghoorn (1977: 5), Robbins and Sarich (1988) and Chimimba and Kitchener (1991).
Key to the species provided by Chimimba and

Kitchener (1991).

Known species of the genus *Saccolaimus*: †***abitus*** Wesselman, 1984; *flaviventris* Peters, 1867 – Australia (except Tasmania), southeastern New Guinea (Simmons, 2005: 382); *mixtus* Troughton, 1925 – southeastern New Guinea, northeastern Queensland (Australia) (Simmons, 2005: 382); ***peli*** (Temminck, 1853). *saccolaimus* (Temminck, 1838) – Bangladesh, India and Sri Lanka through south east Asia (including Burma, Cambodia, Thailand and the Nicobar Islands) to the Philippines, Sulawesi and Borneo, Sumatra, Java, Bali and Timor (Indonesia); New Guinea; New Britain and Bougainville Islands (Papau New Guinea); northeastern Queensland (Australia); Guadalcanal Island (Solomon Islands) (Simmons, 2005: 382).

COMMON NAMES:
Czech: vakoví hrobkovci. English: Pouched Bats. French: Saccolaime. German: Taschenfledermäuse.

†*Saccolaimus abitus* (Wesselman, 1984)

*1984. *Taphozous abitus* Wesselman, Contributions to vertebrate evolution, 7: 44. Type locality: Ethiopia: upper member B, Shungura Formation. - Etymology: From the Latin verb *abeo* meaning to go away, the past participle of which is *abitus* meaning vanished or departed (Wesselman, 1984).
2004. *Saccolaimus abitus:* Lim. (Name Combination, Current Combination)
2011. *Saccolaimus abditus:* Gunnell, Eiting and Geraads, N. Jb. Geol. Paläont. Abh., 260 (1): 70. Publication date: January 2011. (Lapsus)

TAXONOMY:
Closest affinity to the extant *Saccolaimus peli* (Wesselman, 1984; Lim, 2007).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Late Pliocene (2.58 Mya) of southwestern Ethiopia (Wesselman, 1984; Lim, 2007)

Saccolaimus peli (Temminck, 1853)

*1853. *Taphozous peli* Temminck, Esquisses zoologiques sur la Côte de Guiné. 1e partie, les Mammifères, 82. Type locality: Ghana: Boutry River [=Butre river] [ca. 04 49 N 01 55 W] [Goto Description].
? *Saccolaimus peli:* (Name Combination, Current Combination)
? *Taphozous (Saccolaimus) peli:* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: hrobkovec guinejský. English: Pel's Pouched Bat. French: Saccolaime de Pel, Chauve-souris à queue gainée de Pel. German: Pels Taschenfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bl; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bl; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004bn; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
Selective logging of large trees with cavities results in substantial roost destruction. Parts of *S. peli* range are fragmented by agricultural activities, but as it lives in clearings, it is not known whether or not this is having a significant negative impact on the species (Mickleburgh *et al.*, 2008bl; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bl) [in IUCN (2009)] report that it is found in several protected areas. Research is needed to determine the effects of habitat fragmentation on the species.

GENERAL DISTRIBUTION:
Saccolaimus peli ranges widely through the equatorial forest belt of west and central Africa. In the Upper Guinea region, it occurs in Liberia, Guinea, Côte d'Ivoire and Ghana. Its main range extends from southwestern Nigeria to western

Uganda, with isolated records from western Kenya and eastern Angola.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 535); Cameroon; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 535); Côte d'Ivoire; Equatorial Guinea; Gabon; Ghana; Guinea; Kenya; Liberia; Nigeria (Capo-Chichi *et al.*, 2004: 161); Uganda.
Presence uncertain: Central African Republic; Sierra Leone.

Bates *et al.* (2013: 338) reject the presence of *S. peli* in the Republic of Congo because Malbrant and Maclatchy (1949) only mention it 'likely' to occur in that country.

FUNCTIONAL MORPHOLOGY:
Bahlman *et al.* (2016: 122) indicate that *S. peli* has long, cartilaginous distal phalanges with tendons running to the distal-most portion of the tip of digits IV and V. They speculate that the flexor muscles and tendons not only flex the terminal IP joint, but also may provide some additional curvature along the length of the cartilaginous phalanges.

HABITAT:
R.B. Woosnam [in Thomas, 1910b: 489] reported that vaste numbers were seen in the Congo Forest, but not anywhere else. He also indicated that they were seen hanging in trees, but never in houses.

POPULATION:
Structure and Density - *S. peli* occurs in low densities across its wide range (Mickleburgh *et al.*, 2008bl; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008bl; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Krutzsch (2000: 113) assigned *S. peli* to the group of polyoestous species.

PARASITES:
Nycteribiidae: *Tripselia aequisetosa* Theodor, 1956 from Liberia and Congo (Haeselbarth *et al.*, 1966: 112).

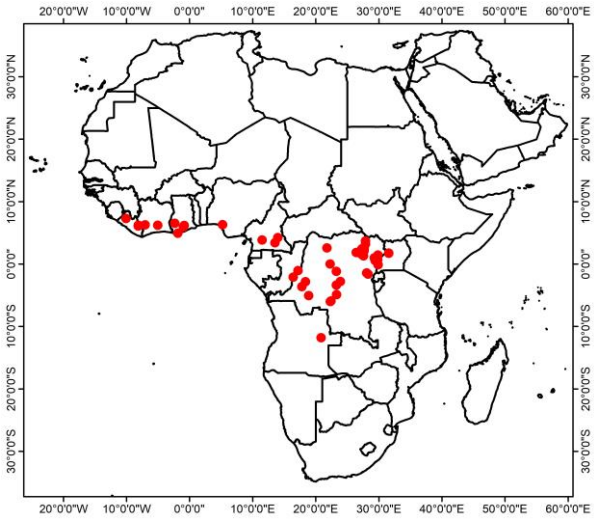

Figure 132. Distribution of *Saccolaimus peli*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Liberia, Nigeria, Uganda.

Genus ***Taphozous*** E. Geoffroy St.-Hilaire, 1818

*1818. *Taphozous* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 113. Publication date: 1818. - Comments: Type species: *Taphozous perforatus* E. Geoffroy, 1818. Mahoney and Walton (1988a: 116) in Grubb *et al.* (1998: 72) considered the date of Geoffroy's publication to be 1813. Gardner and Hayssen (2004: 12) mention that the correct date should be 1818, not 1813 as mentioned on the publication itself. - Etymology: From the Greek "*τάφος*" (táfos), meaning "grave" or "tomb" and "*ξωός*" (zóos), meaning "living" (see Palmer, 1904: 662). (Current Combination)
1922. *Liponycteris* Thomas, Ann. Mag. nat. Hist., ser. 9, 9 (51): 267. Publication date: 1 March 1922 [Goto Description]. - Comments: Type species: *Taphozous nudiventris* Cretzschmar, 1830. Valid as a subgenus.
1998. *Tapozous:* Yom-Tov and Kadmon, Diversity Distrib., 4: 67. (Lapsus)
? *Taphozous sp.:*

TAXONOMY:
Some authors (e.g. Allen, 1939a: 66) consider Oken (1816), Lehrbuch d. Naturg., pt. 3., zool., sect 2, p. 926 to be the author of this genus.

Meester *et al.* (1986): Barghoorn (1977), followed by Koopman (1982, and in litt.) regard *Saccolaimus* as generically distinct from *Taphozous*, but L.W. Robbins (Abstracts, 4th International Colloquium on Taxonomy and Ecology of African Small Mammals: 33, 1984) states that on the basis of protein electrophoresis

and immunology *Taphozous* and *Saccolaimus* are closely related. Simmons (2005:382) recognized two subgenera *Taphozous* and *Liponycteris*. Only the subgenus *Taphozous*, occurs in Africa and its associated islands.

Includes *Liponycteris* but not *Saccolaimus*; see Hayman and Hill (1971: 15) and Barghoorn (1977: 5), Robbins and Sarich (1988) and Chimimba and Kitchener (1991), though also see Corbet and Hill (1992). Corbet and Hill (1992: 85) include *Saccolaimus* as a subgenus. A key is provided by Colket and Wilson (1998: 1, Mammalian Species, 597).

Known species of the genus *Taphozous*: *achates* Thomas, 1915 – Kei, Savu, Roti, Semau and Nusa Penida Isls (Indonesia) (Simmons, 2005: 382). *australis* Gould, 1854 – northern Queensland (Australia), Torres Strait Isls, southeastern New Guinea (Simmons, 2005: 383). *georgianus* Thomas, 1915 – northern and western Australia (Simmons, 2005: 383). ***hamiltoni*** Thomas, 1920. ***hildegardeae*** Thomas, 1909. *hilli* Kitchener, 1980 – Western Australia, South Australia and Northern Territory (Simmons, 2005: 383). *kapalgensis* McKean and Friend, 1979 – Northern Territory (Australia) (Simmons, 2005: 383). *longimanus* Hardwicke, 1825 – Sri Lanka; India and Bangladesh to Burma, Cambodia and Thailand; Peninsular Malaysia; Sumatra, Borneo, Java, Bali, Sumbawa and Flores (Indonesia) (Simmons, 2005: 383). ***mauritianus*** E. Geoffroy, 1818. *melanopogon* Temminck, 1841 – Sri Lanka; India; Burma; Thailand; Laos; Cambodia; Vietnam; southern China; Malay Peninsula and adjacent islands; Borneo; Sumatra, Java, Lombok, Sumbawa, Moyo, Alor, Timor and Sulawesi (Indonesia), Philippines (Simmons, 2005: 384). ***nudiventris*** Cretzschmar, 1830. ***perforatus*** E. Geoffroy, 1818. *theobaldi* Dobson, 1872 – central India to Vietnam; Java, Borneo and Sulawesi (Simmons, 2005: 385). *troughtoni* Tate, 1952 – northwestern Queensland (Australia) (Simmons, 2005: 385).

COMMON NAMES:
Czech: praví hrobkovci, večerníkové, netopýři bradožlází. English: Tomb Bats, Pouched Bats. French: Chauve-souris des Tombes, Taphiens. German: Grabfledermäuse, Grabflatterer. Italian: Tafozòi, Pipistrèlli délle tómbe.

ETYMOLOGY OF COMMON NAME:
The type species of the genus, *T. perforatus*, was taken from a royal tomb in Egypt (see Taylor, 2005).

PARASITES:
HEMIPTERA
Polyctenidae: *Eoctenes intermedius* (Speiser, 1904) originally described from a *Taphozous* species from Egypt (Haeselbarth *et al.*, 1966: 16).

DIPTERA
Streblidae: *Brachytarsina alluaudi* (Falcoz, 1923) (Haeselbarth *et al.*, 1966: 101).

VIRUSES:
Flaviviridae
Pegivirus (BPgV)
2 out of 2 unidentified *Taphozous* specimens from Cameroon were infected by clade G type *Pegivirus*, and one of them also with clade K type *Pegivirus* (Quan *et al.*, 2013: Table S5).

Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that three out of 12 examined *Taphozous* sp. specimens from Cameroon tested positive for *Paramyxovirus* sequences.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Horton *et al.* (2014: Table S1) tested 1 Kenyan *Taphozous* sp. specimen, but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Cameroon, Chad, Ethiopia, Senegal, South Sudan, Sudan, Tanzania, Uganda, Zambia.

†***Taphozous incognita*** (Butler & Hopwood, 1957)

*1957. *Saccolaimus incognita* Butler and Hopwood, Fossil Mammals of Africa, Insectivora and Chiroptera from the Miocene rocks of Kenya, 13: 29, fig. 9. Publication date: 1957. Type locality: Kenya: Koru. Holotype: BMGD M.14222. The left half of a rostrum lacking much of the bone, but showing the interior of the orbit and part of the crowns of P4 and M2.

1978. *Taphozous incognita:* Butler, Evolution of African Mammals, 65. (Name Combination, Current Combination)

TAXONOMY:
Most similar to the extant *Taphozous nudiventris* (Butler and Hopwood, 1957; Butler, 1984; Lim, 2007).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Early Miocene (23.03 Mya) of the Legete Formation in Kenya (Lim, 2007), Koru (Butler, 1978).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya.

Taphozous hamiltoni Thomas, 1920

*1920. *Taphozous hamiltoni* Thomas, Ann. Mag. nat. Hist., ser. 9, 5 (25): 142. Publication date: 1 January 1920. Type locality: Sudan: Equatoria province: Mongalla [05 10 N 31 50 E, 500 m] [Goto Description]. Holotype: BMNH 1919.12.18.1: ad ♀. Collection date: 13 June 1918. Presented/Donated by: The Wellcome Research Laboratories. Formerly Stevenson Hamilton collection, nr 118 (see Thomas, 1920: 143). - Etymology: In honour of Major James Stevenson-Hamilton (1867 - 1957), eminent British regular soldier and conservationist, born in Ireland, considered father of the Kruger National Park. The species is named in his honor as the type specimen came from his collection (see Lanza *et al.*, 2015: 210). (Current Combination)

? *Taphozous (Liponycteris) hamiltoni:* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: hrobkovec východoafrický. English: Hamilton's Tomb Bat, Hamilton's Naked-rumped Tomb Bat, Hamilton's Naked-bellied Tomb Bat, Kordofan Sheathtail-bat. French: Taphien de Hamilton. German: Hamiltons Grabfledermaus. Italian: Tafozòo di Hàmilton.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of continuing uncertainties as to its extent of occurrence, status, trends and ecological requirements (Mickleburgh *et al.*, 2008x; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2008x; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004x; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats facing this species are unknown. It could be declining due to habitat loss through agriculture, but the data to confirm this are lacking (Mickleburgh *et al.*, 2008x; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008x) [in IUCN (2009)] report that no specific conservation measures are in place. It probably occurs in some protected areas. The distribution and ecological requirements of this species require further investigation.

GENERAL DISTRIBUTION:
Taphozous hamiltoni is not well known, and there are very few records. It is known mainly from east Africa (including records from Sudan, Somalia, Kenya, and Tanzania), and there is one additional record from southern Chad.

Native: Chad; Kenya; Somalia; Sudan; Tanzania; Uganda.

POPULATION:
Structure and Density - There is no information, as there are few records of this species (Mickleburgh *et al.*, 2008x; IUCN, 2009).
Density - 2008- Unknown (Mickleburgh *et al.*, 2008x; IUCN, 2009).

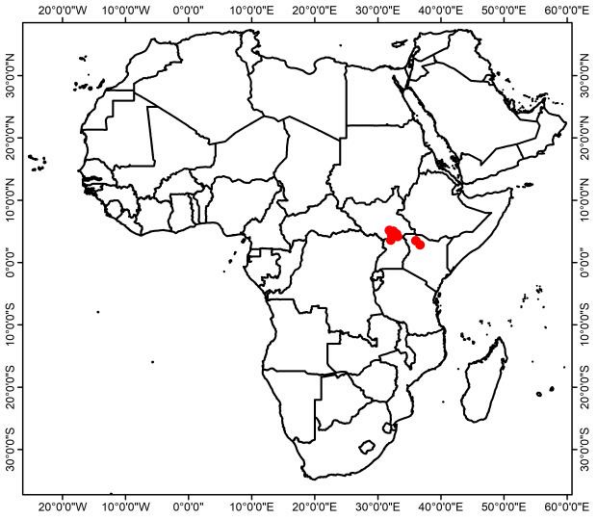

Figure 133. *Distribution of Taphozous hamiltoni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya, South Sudan, Sudan.

Taphozous hildegardeae Thomas, 1909

*1909. *Taphozous hildegardeæ* Thomas, Ann. Mag. nat. Hist., ser. 8, 4 (20): 98. Publication date: 1 August 1909. Type locality: Kenya: Coast province: near Mombassa: Rabai [700 ft]

[Goto Description]. Holotype: BMNH 1909.6.12.7: ad ♂, skull and alcoholic. Original number: 613. Collected and presented by Dr. and Mrs. Hinde, (see Thomas (1909a: 99). - Etymology: In honour of Mrs. Hildegarde Beatrice Hinde, wife of the Dr. Sydney Hinde, collector of the type specimen (see Colket and Wilson, 1998: 3; Lanza *et al.*, 2015: 213).

? *Taphozous (Taphozous) hildegardeae:* (Name Combination)

? *Taphozous hidegardeae:* (Alternate Spelling)

? *Taphozous hildegardeae:* (Current Combination, Current Spelling)

TAXONOMY:
See Colket and Wilson (1998, Mammalian Species, 597).

COMMON NAMES:
Czech: hrobkovec východoafrický. English: Hildegarde's Tomb Bat. French: Taphien de Hildegarde. German: Hildegardes Grabfledermaus. Italian: Tafozòo di Hildegàrde.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU B1ab(iii) ver 3.1 (2001)) because its extent of occurrence is less than 20,000 km^2, its distribution is severely fragmented, and there is continuing decline in the extent and quality of its forest habitat (Mickleburgh *et al.*, 2008y; IUCN, 2009).

Assessment History -
2008 - VU B1ab(iii) ver 3.1 (2001) (Mickleburgh *et al.*, 2008y; IUCN, 2009). 2004 - VU C1 ver 3.1 (2001) (Mickleburgh *et al.*, 2004r; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
Disturbance of the caves on which it depends, and loss of forest habitat, could result in population declines (Mickleburgh *et al.*, 2008y; IUCN, 2009).

Sagot and Chaverri (2015: 1670) mention roost loss or disturbance, and habitat degradation or loss as major threats for this species.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008y) [in IUCN (2009)] report that it probably occurs in some protected areas, but stricter conservation of roosting and nesting sites is needed. Research into the cultural importance of the species is being carried out.

GENERAL DISTRIBUTION:
Taphozous hildegardeae is found on Pemba and Unguja [=Zanzibar] islands (Tanzania), and along the coast of south-east Kenya and north-east Tanzania (from the Lower Tana River south to Dar es Salaam). It has so far been recorded from fewer than ten coastal localities, but is probably present in some places where it has not yet been discovered.

The two central Kenya records collected by Harrison (1962), are questioned due to their location by Kock (1974a), as these points are not along the East African coast. The questioned locations do, however, coincide with coastal vegetation along the Tana River, which could afford this species suitable habitat (Colket and Wilson, 1998).

Native: Kenya; Tanzania.

POPULATION:
Structure and Density - There are no overall population estimates. However, during a survey in Kenya and Tanzania in 1988, population estimates from three caves surveyed yielded more than 1,500 individuals (1,000+, 300+, 130+) (Susan M. Pont, *pers. Obs.,* in Mickleburgh *et al.*, 2008y [in IUCN, 2009]). It seems to be relatively common in caves.
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008y; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
For Kenya, McWilliam (1988b: 433) indicates that male *T. hildegardeae* have a bimodal reproductive cycle that corresponds to the rainfall-induced seasonality in the coastal area. He also mentioned, however, that the second period (during the short rains in October-December), did not result in reproduction, indicating that the male cycle might be a relict of ancestral polyoestry.

PARASITES:
HEMIPTERA
Cimicidae: *Loxaspis miranda* Rothschild, 1912, described from specimens collected at Kilidini,near Mombasa, Kenya, Haeselbarth *et al.* (1966: 9) suggests that these are from *T. hildegardeae*.

DIPTERA
Streblidae: *Brachytarsina alluaudi* (Falcoz, 1923) in Kenya and probably Tanzania (Haeselbarth *et al.*, 1966: 101).

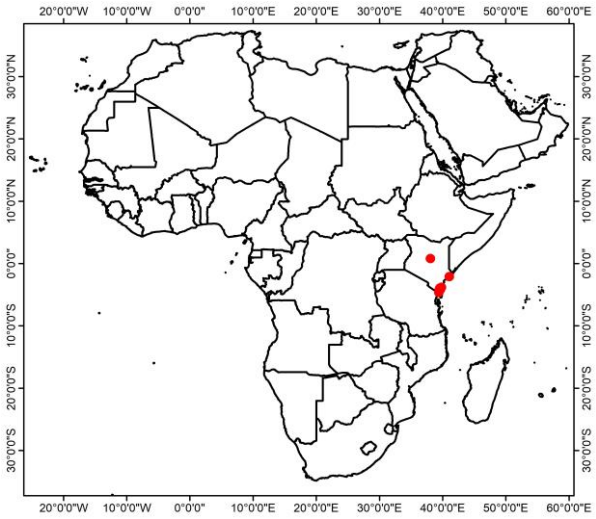

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Kenya, Tanzania.

Figure 134. Distribution of *Taphozous hildegardeae*

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818

*1818. *Taphozous mauritianus* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 127. Publication date: 1818. Type locality: Mauritius: "Mauritius". Holotype: MNHN A.381 - 199: ad ♀, alcoholic (skull not removed). Rode (1941: 243). - Comments: Mahoney and Walton (1988a: 116) in Grubb *et al.* (1998: 72) considered the date of Geoffroy's publication to be 1813. Gardner and Hayssen (2004: 12) mention that the correct date should be 1818, not 1813 as mentioned on the publication itself. - Etymology: From the masculine scientific Latin adjective *mauritiànus*, meaning "Maurician", as the type specimen was collected on the island of Mauritius (see Lanza *et al.*, 2015: 215). (Current Combination)

1835. *Taphozous leucopterus* Temminck, Monographies de mammalogie ou description de quelques genres de mammifères, dont les espèces ont été observées dans les différens musées de l'Europe. Tome Seconde, 2: 284, pl. 60, fig. 7. Type locality: South Africa: "Interior of South Africa" [Goto Description]. - Comments: Kock (1969a: 71), Meester *et al.* (1986: 31) and Dengis (1996: 1) mention "1838; Tijdschrift voor natuurlijke geschiedenis en physiologie, Amsterdam 5: 12".

1879. *Taphozous Dobsoni* Jentink, Notes Leyden Mus., 1 (1): 123, note 32. Publication date: April 1879. Type locality: Madagascar: Mohambo [Goto Description]. Holotype: RMNH ?: ♂, alcoholic (skull not removed). Collected by: Jean Baptiste Audebert.

1900. *Taphozous maritianus var. Cinerascens:* Seabra, J. Sci. mat. phys. nat., ser. 2, 6: 77. Publication date: August 1900. Type locality: Angola: Benguela [12 34 S 13 24 E, 160 m]. (Lapsus)

1978. *Taphozous mauvitanius:* Arata and Johnson, Ebola Virus Haemorrhagic Fever, 135. (Lapsus)

2017. *T[aphozous] mauritiana:* Waruhiu, Ommeh, Obanda, Agwanda, Gakuya, Ge, Yang, Wu, Zohaib, Hu and Shi, Virol. Sin., 32 (2): 5. Publication date: 6 April 2017.

? *Taphozous (Taphozous) mauritianus:* (Name Combination)

? *Taphozous mauritianus mauritianus:* (Name Combination)

TAXONOMY:

Figure 135. *Taphozous mauritianus* caught at Sudwala Caves Resort, Mpumalanga, South Africa.

Koopman (1975) believed that a number of subspecies that have been described are of doubtful value.
See Dengis (1996, Mammalian Species, 522).

COMMON NAMES:
Afrikaans: Witlyfvlermuis. Azande (DRC): Fulo. Czech: hrobkovec mauricijský, netopýr mauricijský, netopýr hrobkový. English: Mauritian Tomb Bat, Tomb Bat, Taphozous bat of Mauritius. French: Taphien de l'Ile Maurice, Taphien de l'Ile de France, Taphien de Maurice, Chauve-souris mauritienne des tombeaux, Chauve-souris des tombes. German: Mauritius-Grabfledermaus. Italian: Tafozòo maurizìano. Kenya Ruanda: Mokombe. Kiluba (DRC): Katutu. Kinande (DRC): Kahazo-komule, Kakorokombe. Portuguese: Morcego das sepulturas das Mauricias. Spanish (Castillian): Spa: Murciélago de las Tumbas. Swahili: Popo.

ETYMOLOGY OF COMMON NAME:
The specimen from which the species was described came from the island of Mauritius (see Taylor, 2005: 274).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Evans and Mourad (2018: 81; Fig. 4, 5) provide images of wall paintings of bats, which look like *Taphozous*, on the walls of an Egyptian tomb at Beni Hassan, dating back from the Middle Kingdom (c. 2050 - 1650 BC).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a degree of habitat modification, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Hutson *et al.*, 2008f; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Hutson *et al.*, 2008f; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004bl; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016u). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
Overall, this species is not significantly threatened. It is locally hunted (by children) in parts of its range (Hutson *et al.*, 2008f; IUCN, 2009).

CONSERVATION ACTIONS:
Hutson *et al.* (2008f) [in IUCN (2009)] report that this species is known from protected areas within Madagascar including Zombitse National Park and Ankarafantsika National Park, as well as from many protected areas on the African continent.

GENERAL DISTRIBUTION:
Taphozous mauritianus is found throughout much of subsaharan Africa and is also on several islands (including the Tanzanian island of Unguja [=Zanzibar] [see O'Brien, 2011: 287]), Bioko and Pagalu (Equatorial Guinea), and Sao Tomé and Principe). The most northerly records are from the border area between Senegal and Mauritania and at the head of the Nile River in Sudan. It is present throughout southern and eastern Madagascar, but it usually only occurs at lower altitudes and there are no records from the central plateau or above 900 m. It is known from Aldabra (von Brandis (2004: 135), Mauritius, the Comoros and Réunion. Records from the Western Cape region in southern Africa are unverified, with known records extending as far south as Mossel Bay. It is also recorded in an isolated location in the Northern Cape, near Hartwater (Taylor, 2000; Skinner and Chimimba, 2005). In the RSA, the species' distribution is linked with land use/land cover (Babiker Salata, 2012: 50).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,454,841 km^2.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 532); Benin (Capo-Chichi *et al.*, 2004: 162); Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 535); Cameroon; Central African Republic; Chad; Comoros (Louette, 2004; Goodman *et al.*, 2010c: 125; Hume and Middleton, 2011: 33); Congo (Bates *et al.*, 2013: 335); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 535); Côte d'Ivoire; Equatorial Guinea (Annobón, Bioko); Ethiopia; Gabon; Gambia (Emms and Barnett, 2005: 50); Ghana; Kenya;

Madagascar; Malawi (Happold *et al.*, 1988; Ansell and Dowsett, 1988: 29; Monadjem *et al.*, 2010d: 535); Mauritius; Mayotte (Ramasindrazana *et al.*, 2015a: 109); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 535); Namibia (Monadjem *et al.*, 2010d: 535); Nigeria; Réunion; São Tomé and Principe (Juste and Ibáñez, 1993b: 906; Rainho *et al.*, 2010a: 35); Senegal; Seychelles [Aldabra]; Sierra Leone; Somalia; South Africa (Monadjem *et al.*, 2010d: 535); Sudan; Swaziland (Monadjem *et al.*, 2010d: 535); Tanzania; Togo; Uganda; Zambia (Ansell, 1967; Ansell, 1969; Ansell, 1978;Ansell, 1986; Cotterill, 2004a: 260; Monadjem *et al.*, 2010d: 535); Zimbabwe (Monadjem *et al.*, 2010d: 535).
Presence uncertain: Burundi; Guinea; Guinea-Bissau; Liberia; Mali; Mauritania; Rwanda.

GEOGRAPHIC VARIATION:
Krutzsch (2000: 114) [referring to Rosevear (1965), Smithers and Lobão Tello (1976) and Happold (1987)] indicates that geographic variation is evident in the gular sac in this species. In Nigeria and Mozambique, it is only present in males, while in West Africa the males have a functioning sac and females have a vestigial pouch.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Fenton (1992: 49) indicates that the grizzled dorsal pelage contributes to the bat's camouflage while resting on natural surfaces. In the resting position, the striking white venter is completely concealed.

From western Uganda, Monadjem *et al.* (2011: 30) reported the following data for 2 specimens: Fa: 60.25 mm, mass: 27.0 g, wing loading: 13.3 N/m^2, aspect ratio: 5.8.

ECHOLOCATION:
See Taylor (1999b), and Taylor (2000: 63). Rainho *et al.* (2010a: 21) report the calls of 5 individuals from São Tomé.

For 10 calls of specimens from Soutpansberg and Waterberg, South Africa, Taylor *et al.* (2013b: 18) recorded the following parameters: F_{max}: 29.0 ± 1.17 (27.8 - 31.1) kHz, F_{min}: 25.3 ± 1.49 (22.1 - 27.9) kHz, F_{knee}: 28.3 ± 1.29 (27.0 - 30.2) kHz, F_{char}: 26.2 ± 0.94 (24.9 - 27.9) kHz, duration: 2.9 ± 0.64 (2.0 - 3.6) msec.

From western Uganda, Monadjem *et al.* (2011: 32) report the following values: F_{min}: 13.13 kHz, F_{max}: 13.48 kHz, F_{char}: 13.43 kHz, F_{knee}: 13.18 kHz, duration: 9.1 msec. They also indicate (p. 33) that the F_{peak} of 25.6 [actually 25.9] kHz reported by Schoeman and Jacobs (2008: Table S1) is probably for an harmonic.

Barataud and Giosa (2013: 150) reported on 9 sequences from Réunion with QFC = 39 kHz and QCF/FM = 18.

For Swaziland, Monadjem *et al.* (2017c: 179) recorded the following parameters: F_{min}: 25.1 ± 0.72 (24.3 - 25.9) kHz, F_{knee}: 28.6 ± 0.60 (28.1 - 29.5) kHz, F_c: 25.9 ± 1.20 (24.3 - 27.2) kHz, and duration: 2.7 ± 0.27 (2.4 - 3.0) kHz.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported for specimens from South Africa, 2*n* = 42, FN = 64, BA = 24, a metacentric X chromosome, and a submetacentric Y chromosome.
Protein / allozyme - Unknown.

HABITAT:
Open savanna and forst edges in the wetter northern and eastern parts of the subcontinent (Taylor, 2000: 62).

HABITS:
Fenton and Griffin (1997: 248) recorded one call above 24 kHz, which they attributed to *T. mauritianus* at an altitude of 500 - 550 m above a *Brachystegia* woodland in Zimbabwe.

ROOST:
In the Durban area, Taylor *et al.* (1999: 67) found most of the roosts (72 %) being associated with the outer walls of houses at a height between 2 and 12 metres. The colony size varied from 1 to 5.

In a rural area on Madagascar; Rakotondramanana *et al.* (2017: 133) found a colony roosting on the trunk of a palm tree (*Cocos nucifera*), under dried fronds. They left the roost about 30 minutes after sunset.

DIET:
They feed primarily on moths (Allen *et al.*, 1917); termite alates such as *Macrotermes falciger* (Happold and Happold, 1988), and other insects (Smithers, 1971). See also (Taylor, 2000: 62; 2005: 275).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention Wahlberg's eagle (*Hieraaetus wahlbergi* (Sundevall, 1851)) as a diurnal avian predator.

Goodman *et al.* (2015c: 78) found the remains of one individual in pellets of Bat Hawk *Macheiramphus alcinus* Bonaparte, 1850 in western central Madagascar.

POPULATION:
Structure and Density - *Taphozous mauritianus* is

not rare and is easy to find. It usually roosts under covering vegetation on the outer bark of trees (Hutson *et al.*, 2008f; IUCN, 2009).
Trend - 2008 - Unknown (Hutson *et al.*, 2008f; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Kaudern (1914: 12) reported that he received a female with a very small fetus from villagers in Fenerive (Madagascar) on 6 January 1912.

Krutzsch (2000: 113) mentioned that *T. mauritianus* is monoestrous in parts of its range and polyoestrous in others.

PARASITES:
HEMIPTERA
Polyctenidae: *Eoctenes intermedius* (Speiser, 1904) from the Congo (Haeselbarth *et al.*, 1966: 16).

DIPTERA
Nycteribiidae: *Tripselia blainvillii* (Leach, 1817) distributed over the Madagascan region and tropical Africa from west to east between lat. 10º north and south (Haeselbarth *et al.*, 1966: 113). Hutson (2004a: 129) mentions that *Basilia (Tripselia) blainvilli* (Nycteribiidae) is a widespread parasite of *Taphozous mauritianus*. (synonyms: *Nycteribia (Acrocholidia) fryeri*, *Tripselia fryeri*).

SIPHONAPTERA
Ischnopsyllidae: *Chiropteropsylla brockmani* Rothschild, 1915 widespread (Haeselbarth *et al.*, 1966: 192).

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Taphozous mauritianus*: Astroviruses, Paramyxoviruses and Rotaviruses.

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera in one individual from Limpopo Province, South Africa, none were tested positive (0/1).

In their overview table, Maganga *et al.* (2014a: 8) reported that no viruses were ever found in this bat species.

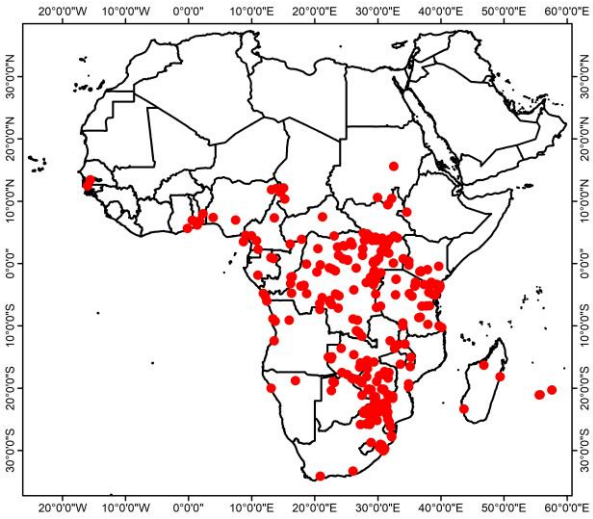

Figure 136. Distribution of *Taphozous mauritianus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burundi, Cameroon, Central African Republic, Chad, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea-Bissau, Kenya, Madagascar, Malawi, Mauritius, Mozambique, Namibia, Nigeria, Réunion, Rwanda, Senegal, Sierra Leone, South Africa, South Sudan, Sudan, Swaziland, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

Taphozous nudiventris Cretzschmar, 1830

*1830-1831. *Taphozous nudiventris* Cretzschmar, in: Rüppell, Atlas Reise Nördlichen Afrika, Zoologie Säugethiere, 1: 70, pl. 27b. Publication date: 1830-1831. Type locality: Egypt: Giza province: Giza [30 01 N 31 13 E] [Goto Description]. Lectotype: SMF 4310: ad ♂, skin and skull. Collected by: Wilhem Peter Edward Simon Rüppell; collection date: 1824. Old catalog II.J.1.a; see Mertens (1925: 20), Qumsiyeh (1985: 26). - Comments: Kock (1969a: 83) mentioned the type locality as "Egypt, Nubia" and indicates that Giza is the type locality of the lectotype. Corbet and Hill (1992: 87) only mention "Egypt". Allen (1939a: 67) mentioned 1826 as year of description, whereas Kock (1969a: 83) mentioned 1830. Grubb *et al.* (1998: 73) mentions "1830, vel 1831". - Etymology: From the masculine Latin adjective *nùdus*, meaning "naked" and the masculine Latin substantive *vènter*, meaning"belly", as the fur stops short of the end of the body both dorsally and ventrally (see Lanza *et al.*, 2015: 221). (Current Combination)

1838. *Taphozous nudiventer:* Temminck, Monographies de mammalogie ou description de quelques genres de mammifères, dont les espèces ont été observées dans les différens musées de l'Europe. Tome Seconde, 2: 280, pl. 60, figs 10 - 12. Publication date: 1838. - Comments: Lapsus (Allen, 1939a: 67). (Lapsus)

1877. *Nycticejus serratus* Heuglin, Reise in Nordost Afrika, 2: 35. Publication date: 1877. Type locality: Sudan: ?Abyssinia: on the Araschkol and nearby mountains: "Sherq el Aqabah" [14 15 N 32 10 E] [Goto Description]. - Comments: According to Simmons (2005) this is an enigmatic taxon, which is variously referred to either *Taphozous nudiventris* (e.g. Allen, 1939a: 67; Koopman, 1993a) or *Scotophilus nigrita leucogaster* (Allen, 1939a) [implying that it might either be *S. dinganii* or *S. leucogaster*], but which may not represent either of those species. Kock (1969a: 83) includes it with a question mark in the synonymy of *Taphozous nudiventris*, and Happold (2013bm: 434) mentions it as a possible synonym of that species.

1885. *Taphozous perforatus var. assabensis* Monticelli, Ann. Accad. O. Costa de Aspir. Nat. Napoli, ser. 1, 1: 78, pl. 7. Type locality: Eritrea: Assab [13 01 N 42 43 E]. - Comments: Allen (1939a: 67) indicates that Monticelli considered it a synonym of *perforatus*, but Senna (1905), who examined the type, says it is *T. nudiventris*. The type specimen was collected by prof. G.B. Licata.

1964. *T(aphozous) mudiuemtris:* Walker, Mammals of the World, I: 241. (Lapsus)

2013. *Taphozous nudiuentris:* Liu, Wang, Zhang, Li, He, Huang, Jiang, Murphy and Shi, Proc. R. Soc. Lond., B 281 (1776): 20132950 3 (for 2014). Publication date: 18 December 2013. (Lapsus)

? *Liponycteris nudiventris:* (Name Combination)

? *Taphozous (Liponycteris) nudiventris:* (Name Combination)

? *Taphozous nudiventris nudiventris:* (Name Combination)

TAXONOMY:
Simmons (2005) assigns four subspecies to *Taphozous nudiventris*: *T. n. kachhensis* Dobson, 1872; *T. n. magnus* Wettstein 1913; *T. n. nudaster* Thomas, 1915; and *T. n. zayidi* Harrison, 1955.
The enigmatic taxon *T. n. serratus* Heuglin, 1877 has been variously referred to either *Taphozous nudiventris* (e.g., Allen, 1939a, Koopman, 1993a) or *Scotophilus leucogaster* (e.g., Allen, 1939a; Koopman, 1993a), although it might not represent either of these species. See Felten (1962), Hayman and Hill (1971), Harrison and Bates (1991), Bates and Harrison (1997) and Barkley (1984) for further information on this taxon.

COMMON NAMES:
Arabian: Khafash Abu Bouz. Czech: hrobkovec lysobřichý, netopýr lysobřichý. Dutch: Kaalbuikgrafvleermuis. English: Naked-bellied Tomb Bat, Naked-rumped Tomb Bat, Egyptian Sheath-tailed Bat, Naked-rumped Bat, Nakede-bellied Taphozous. French: Taphien à croupe nue, Taphien à ventre nu. German: Nacktbauch-Grabfledermaus. Italian: Tafozòo nudivèntre.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a degree of habitat modification, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Bates *et al.*, 2008; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Bates *et al.*, 2008; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004bp; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is tolerant of a certain level of human disturbance. Loss of some roosts (e.g., in buildings) and use of pesticides probably impact some populations negatively, but overall it is not significantly threatened (Bates *et al.*, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Bates *et al.* (2008) [in IUCN (2009)] report that there are international legal obligations for protection through the Bonn Convention (Eurobats) in areas to which this applies. However, through most of its range, no specific conservation measures are place for this species. It occurs in many protected areas across its wide range. A study on the impacts of pesticides is required, especially ways in which the impact might be minimised.

GENERAL DISTRIBUTION:
Taphozous nudiventris has a much larger range than previously believed. It has been recorded throughout the southern desert and sub-desert belt of western and central Palaearctic, from Morocco, through the Saharan region across northern Africa to Egypt and north through the Middle East to southern Turkey, and the more arid areas of the Indian subcontinent. The most southerly record is from northern Tanzania. There are two isolated records from Myanmar (the southernmost locality being in the general vicinity of Bago (Pegu) Yoma (Bates *et al.*, 2000)).
In South Asia this species is presently known from Afghanistan (Kabul, Kandahar and Nangarhar

provinces), Bangladesh, India (Andhra Pradesh, Bihar, Delhi, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Sikkim, Tamil Nadu, Uttar Pradesh and West Bengal) and Pakistan (Punjab and Sind) (Molur *et al.*, 2002).
It has also been recorded from the Cape Verde islands (Tranier and de Naurois, 1985)

Native: Afghanistan; Algeria (Horácek *et al.*, 2000: 104); Burkina Faso (Kangoyé *et al.*, 2015a: 614); Chad; Congo (The Democratic Republic of the); Djibouti (Pearch *et al.*, 2001: 396); Egypt; Eritrea (Lavrenchenko *et al.*, 2004b: 138); Ghana; Guinea-Bissau (Castella *et al.*, 2000; Rainho and Ranco, 2001: 38); India; Iran, Islamic Republic of; Iraq; Israel; Jordan; Kenya; Macronesian Islands (Cape Verd islands (Tranier and de Naurois, 1985; de Naurois, 1994; Hazevoet, 1995; Masseti, 2010); Mauritania; Morocco; Myanmar; Niger; Nigeria; Pakistan; Palestinian Territory, Occupied; Saudi Arabia; Senegal; Somalia; Sudan; Syrian Arab Republic; Tanzania; Togo; Turkey; United Arab Emirates (Anonymus, 2008: 38); Yemen.
Presence uncertain: Ethiopia; Kuwait; Libyan Arab Jamahiriya; Oman; Qatar; Tunisia; Uganda; Western Sahara. The records from Lebanon were revoked by Benda and Engelberger (2016: 17).

ECHOLOCATION:
In Jordan, Benda *et al.* (2010b: 204) registered the following parameter for 17 calls: F_{start}: 26.1 ± 1.0 (24.4 - 27.6) kHz, F_{end}: 22.2 ± 0.6 (20.3 - 22.9) kHz, F_{peak}: 24.5 ± 0.5 (23.6 - 25.3) kHz, Pulse duration: 15.4 ± 2.6 (11.0 - 19.5) msec, and Inter-pulse interval: 363.9 ± 115.1 (188.0 - 571.0) msec.

From Israel, Hackett *et al.* (2016: 223) reported the following parameters for 74 calls: Pulse duration: 12.99 ± 3.50 msec, F_{start}: 24.39 ± 1.55 (22.3 - 25.3) kHz, F_{end}: 22.80 ± 1.29 (20.4 - 26.3) kHz, F_{peak}: 23.38 ± 1.31 (21.3 - 26.3) kHz.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).

Karyotype - Đulic (1984), Yaseen *et al.* (1994), Hood and Baker (1986), Asan and Albayrak (2007) reported 2*n* = 42, FN = 64, BA = 24. However, Sreepada *et al.* (1995) reported 2*n* = 42, FN = 66, BA = 26 for specimens from India. In Turkey, Karatas and Sözen (2003: 359) and Arslan and Zima (2014: 7) reported 2*n* = 42, FNa = 64, FN = 68, a meta-/submetacentric X and an acrocentric Y chromosome. The autosomal chromosomes consist of 12 metacentric and submetacentric pairs and 8 acrocentric pairs.

Protein / allozyme - Unknown.

HABITS:
Lucan and Šálek (2012: 235) report on the mobbing behaviour of *T. nudiventris* on a barn owl (*Tyto alba*) in the Dakhla Oasis in Egypt. The bats were able to detect the owl when it was on route to their roost, but it could not be determined how the bats were able to do this. There were no alarm or distress calls from other bats, so possibly visual cues or acoustic signals (e.g. sounds made by the feathers of the flying owl) might be involved.

ROOST:
Davis (2007: 10) found that in the United Arab Emirates, they may roost in groups of 200 to 1,000+ individuals. During late pregnancy and lactation, the females form separate groups.

DIET:
Benda *et al.* (2012a: 282) report that the most important food categories in Syria, Sudan, Oman and Turkey are Coleoptera (Scarabaeidae) and Orthoptera. Desai *et al.* (2012) [in Benda *et al.*, 2012a: 282] found seasonal changes in the food composition of these bats in Gujarat (India): Coleoptera and Orthoptera prevailed in winter, while Isoptera, Lepidoptera, Orthoptera, Neuroptera and Hymenoptera (Vespoidea) were most consumed in summer.

PREDATORS:
In Algeria, Djilali *et al.* (2016: 161) found remains of 2 *T. nudiventris* specimens in 516 preys captured by the Short-eared Owl (*Asio flammeus*).

POPULATION:
Structure and Density - It is common in some places, and less so in others. It is an uncommon species in the western part of its range: colonies in Africa and the Mediterranean region are generally restricted to a few individuals, although large colonies (dozens to hundreds) have been found in eastern Africa (Bates *et al.*, 2008; IUCN, 2009). The species is common in its range in South Asia, however, a declining trend in its population has been observed in recent years (Bates and Harrison, 1997).
Trend - 2008 - Stable (Bates *et al.*, 2008; IUCN, 2009). *T. nudiventris* populations within the Asia Minor and Levant region are predicted to have a stable population trend, under climate change scenarios (Bilgin *et al.*, 2012: 433).

REPRODUCTION AND ONTOGENY:
Kurta and Kunz (1987: 82) report that, at birth, the young has a forearm length of about 34.4 % of that of the mother (27.5 against 80.0 mm).

In the United Arab Emirates, Davis (2007: 10) indicates that they arrive in their summer roosts in March, and a single young is born in mid-April.

Young are carried by their mothers until 8 weeks of age.

In Gujarat (India), Desai *et al.* (2012: 33) found that pregnancy lasted for 87 days and parturition occurred in August/September. The young reached their full adult size in nine months, when females become sexually mature. The males only become mature at the age of 20 months.

MATING:
In Gujarat (India), Desai *et al.* (2012: 33) report that copulation and fertilization takes place during the last week of March and the first week of April.

PARASITES:
Duszynski (2002: 20) indicates that *T. nudiventris* might be a host for *Eimeria dukei* Lavier, 1927, but as Cerná and Ryšavý (1976) did not provide any proof about the parasite, the identification might be wrong, given the fact that eimerians are reasonably host specific.

HEMIPTERA
Cimicidae: *Leptocimex vespertilionis* Ferris and Usinger, 1957 known only from the Sudan (Zeidab, Khartoum, Wad Medani) (Haeselbarth *et al.*, 1966: 13).

ACARINA
Dermanyssidae: Zumpt and Till (1954: 49) mentions that Hirst (1926) described *Steatonyssus sudanensis* from a "*Liponycteris nudiventris*" from near Khartoum, Sudan, but that this mite hasn't been found since.

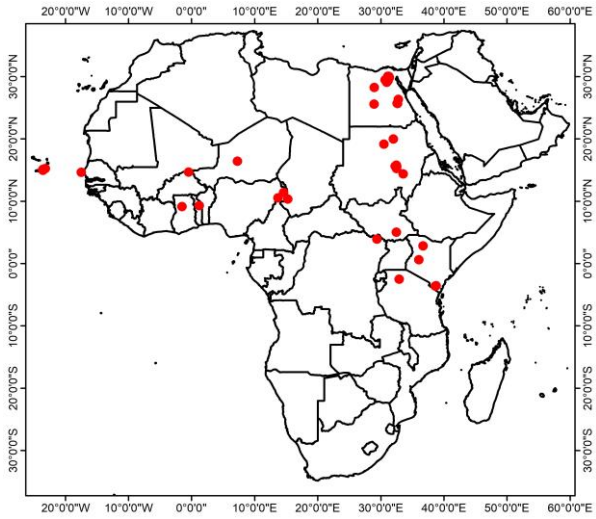

Figure 137. Distribution of *Taphozous nudiventris*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Cape Verde, Congo (Democratic Republic of the), Djibouti, Egypt, Ethiopia, Ghana, Kenya, Niger, Nigeria, Senegal, Somalia, South Sudan, Sudan, Tanzania, The Gambia, Togo, Uganda, "Africa", Burkina Faso.

Taphozous perforatus E. Geoffroy St.-Hilaire, 1818

*1818. *Taphozous perforatus* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 126. Publication date: 1818. Type locality: Egypt: Kom Ombo [24 26 N 32 57 E]. Holotype: MNHN A.372: ad, alcoholic (skull not removed). Number 198 in Rode (1941: 243), who indicates the type might be a male. - Comments: Allen (1939a: 66) mentioned "Egypt" only as type locality. Restricted to Ombos (=Kom Ombo), between Edfu and Aswan by Kock (1969a: 74): see Meester *et al.* (1986: 32). Mahoney and Walton (1988a: 116) in Grubb *et al.* (1998: 72) considered the date of Geoffroy's publication to be 1813. Gardner and Hayssen (2004: 12) mention that the correct date should be 1818, not 1813 as mentioned on the publication itself. - Etymology: From the masculine scientific Latin adjective *perforàtus*, meaning "perforated", since the tail, as in all Emballonuridae, seems to perforate the uroparagium (see Lanza *et al.*, 2015: 227). (Current Combination)

1877. *Taphozous maritimus* Heuglin, Reise in Nordost Afrika, 2: 25. Publication date: 1877. Type locality: Sudan: Suakin [19 06 N 37 22 E].

1915. *Taphozous perforatus hædinus* Thomas, J. Bomb. nat. Hist. Soc., 24: 62. Publication date: 30 September 1915. Type locality: Kenya: Northern Guaso Nyiro: Chanler Falls [=Chandler's Falls] [00 47 N 38 04 E, 2 000 ft]. Holotype: BMNH 1912.7.1.46: ad ♂, skin only. Collection date: 3 September 1911; original number: 756.

2014. *Taphozous perforates:* Kohl and Kurth, Viruses, 6 (8): 3115. Publication date: 13 August 2014. (Lapsus)

? *Taphozous (Taphozous) perforatus:* (Name Combination)

? *Taphozous perforatus haedinus:* (Name Combination)

TAXONOMY:
Harrison (1958b, 1962) regards *sudani* as a separate species, but is not followed in this by subsequent authors (Rosevear, 1965; Kock, 1969a; Hayman and Hill, 1971; Koopman, 1975). Hayman and Hill (1971) make no attempt to

recognize subspecies within *perforatus*, but Kock (1969a) recognizes three, *perforatus*, *sudani* and *haedinus*. Koopman (1975) does not agree entirely with the geographic limits suggested by Kock, but appears to accept the validity of the names proposed. Simmons (2005) recognized three subspecies: *haedinus* Thomas, 1916; *sudani* Thomas, 1915; and *senegalensis* Desmarest, 1820.

COMMON NAMES:
Afrikaans: Egiptiese witlyfvlermuis. Arabian: Khafash abu bouz saghir. Czech: hrobkovec egyptský, wečerník senegalský, wečerník prowrtaný, netopýr slujový. Dutch: Egyptische grafvleermuis. English: Geoffroy's Tomb Bat, Egyptian Tomb Bat, Tomb Bat, Perforated Taphozous bat, African Taphozous. French: Taphien perforé, Taphien des tombeaux, Chauve-souris des tombes egyptiennes. German: Ägyptische Grabfledermaus. Italian: Tafozòo perforàto. Portuguese: Morcego das sepulturas do egipto.

ETYMOLOGY OF COMMON NAME:
The specimen from which this species was described was taken by Geoffroy Saint-Hilaire from a royal tomb in Egypt (see Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Kock *et al.*, 2008d; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Kock *et al.*, 2008d; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004aa; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - NT D2 ver 3.1 (2001) (Richards *et al.*, 2016b). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
Kock *et al.* (2008d) [in IUCN (2009)] report that human disturbance has been highlighted as a threat to *T. perforatus*, but overall it is unlikely that this species is significantly threatened across its very wide range. In South Asia it is threatened by clearing of thorn forests for agricultural purposes, from mining and stone quarrying. Roost disturbance due to human interference and development of old buildings for tourism purposes is also considered serious threats (C. Srinivasulu *pers. comm.*, Molur *et al.*, 2002).

In Egypt, Mansour *et al.* (2017: 109) found that liver and kidney tissues of these bats contained 0.39 µg/g wet weights of DDTs (its usage was prohibited in Egypt in 1980) and 0.11 µg/g wet weights of PCBs (banned worldwide in 1990s). These values showed variations between sexes and seasons.

CONSERVATION ACTIONS:
Kock *et al.* (2008d) [in IUCN (2009)] report that this species is present in many protected areas, and no direct conservation measures are currently needed for the species as a whole. The species has not been recorded from any protected areas in Pakistan or India. Being a poorly understood species in the region, more studies on distribution, abundance, reproduction and ecology are recommended (Molur *et al.*, 2002).

GENERAL DISTRIBUTION:
Taphozous perforatus occurs widely throughout northern and sub-Saharan Africa, the Arabian Peninsula, and Asia, east to the Indian Subcontinent. In sub-Saharan Africa, records extend along the Nile and east to Ethiopia and northern Somalia, and west to Mauritania, Senegal, Gambia, Guinea-Bissau, Ghana, Burkina Faso, Benin, Niger, and northern Nigeria, and south to Kenya (including Lamu island), Tanzania, Democratic Republic of Congo, Zimbabwe, and Botswana. In southwest Asia, it has been recorded from Israel, Saudi Arabia, Yemen and Oman. In South Asia, this species is presently known to be widely distributed from southern Pakistan (Roberts, 1977) and western India (Gujarat, Madhya Pradesh and Rajasthan) (Bates and Harrison, 1997, Molur *et al.*, 2002) and recently reported from central Eastern Ghats in Andhra Pradesh (Chakraborty *et al.*, 2004). It has been recorded up to 200 m.

Native: Benin; Botswana (Monadjem *et al.*, 2010d: 535); Burkina Faso (Kangoyé *et al.*, 2015a: 614); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 535) ; Djibouti (Pearch *et al.*, 2001: 394); Egypt (Benda *et al.*, 2008f: 1); Ethiopia (Lavrenchenko *et al.*, 2004b: 147); Gambia; Ghana; Guinea-Bissau (Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 37); India; Iran, Islamic Republic of; Israel; Kenya; Mali; Mauritania; Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 535); Niger; Nigeria; Oman; Pakistan; Saudi Arabia; Senegal; Somalia; Sudan; Tanzania; Togo; Uganda; Yemen (Benda *et al.*, 2011b: 30); Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 535); Zimbabwe (Monadjem *et al.*, 2010d: 535).
Presence uncertain: Angola; Côte d'Ivoire; Eritrea;

Guinea; Namibia (Cotterill, 2004a: 260); Palestinian Territory, Occupied; United Arab Emirates; Zambia.

ECHOLOCATION:
In Jordan, Benda *et al.* (2010b: 204) registered the following parameters: F_{start}: 31.4 ± 1.5 (29.6 - 34.4) kHz, F_{end}: 27.6 ± 0.6 (26.6 - 28.8) kHz, F_{peak}: 29.2 ± 0.6 (28.5 - 30.0) kHz, duration: 12.4 ± 4.2 (5.8 - 19.7) msec, and interpulse interval: 225.1 ± 110.4 (58.0 - 426.0) msec.
Two sets of data from Iran were presented by Benda *et al.* (2012a: 182): **1**: F_{start}: 31.4 ± 1.6 (30.0 - 34.2) kHz, F_{end}: 29.1 ± 1.7 (28.1 - 31.8) kHz, and F_{peak}: 30.4 ± 2.1 (28.9 - 33.4) kHz; **2** (hand released): F_{start}: 35.9 ± 0.5 (35.3 - 36.6) kHz, F_{end}: 29.9 ± 0.5 (29.4 - 30.8) kHz, F_{peak}: 32.5 ± 0.3 (32.1 - 33.0) kHz, duration: 4.8 ± 0.3 (4.5 - 5.2) msec, and interpulse interval: 47.3 ± 26.8 (12.5 - 81.3) msec.

Götze *et al.* (2016: 2) mentioned that *T. perforatus* doesn't shift the frequency of their echolocation signals (jamming avoidance response - JAR) in the presence of conspecifics.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Đulic (1984) and Yaseen *et al.* (1994) reported 2*n* = 42, FN = 64, BA = 24, a metacentric X chromosome and an acrocentric Y chromosome.
Protein / allozyme - Unknown.

Mansour *et al.* (2016: 66) investigated the presence of heavy metals in bats from two caves in the Saqqara region of Egypt and found that cobalt was not detected in winter and spring, and at very low concentration in the other seasons (ca. 0.01 µg/g tissue). High concentrations were found for Fe, Ca, Mg, and to some extent also Al and Zn, whereas Ba, Cu and Mn were found at relatively lower concentrations, and Cr, Cd, Mo, Ni and Pb were detected at very low concentrations. Ba, Cd, Co, Cr, Mo, Ni and Pb were not detected in kidney tissue. Kidneys of males showed higher concentrations of Mg than those of females.

DIET:
Rydell and Yalden (1997: 72) report that *T. perforatus* mainly feeds on Lepidoptera (moths - 56 % by volume), but also that Isoptera (14 %), Coleoptera (10 %) and Orthoptera (8 %) are major food categories. Furthermore, Hemiptera, Neuroptera, Hymenoptera and Diptera are eaten.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Fox kestrel (*Falco alopex* (Heuglin, 1861)) and the Lanner falcon (*Falco biarmicus* Temminck, 1825) as avian predators.

POPULATION:
Structure and Density - It is common in parts of its African range, but is less common elsewhere. It is found in small colonies (between six to eight individuals) in the southern African subregion (Skinner and Chimimba, 2005). In South Asia the abundance, population size and trends for this species are not known, and the species has only been recorded from a few localities (Bates and Harrison, 1997).
Trend - 2008 - Stable (Kock *et al.*, 2008d; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Krutzsch (2000: 113) indicates that *T. perforatus* is a polyoestrous species, although he also mentions (lower on the same page) that it is monoestrous in parts of its range and polyoestrous in others.

PARASITES:
HAEMOSPORIDA
Nycteria medusiformis Garnham and Heisch, 1953 was reported from various countries by Perkins and Schaer (2016: Suppl.).

DIPTERA
From Iran, Benda *et al.* (2012a: 275) report on the presence of *Raymondia huberi* Frauenfeld, 1855 (Streblidae). They also indicate that this bat fly occurs in a broad area from East Africa to the Middle East. Other parasites reported by Benda *et al.* (2012a: 276) from the north African part of the bat's range are: *Argas boueti* Roubaud et Colas-Belcour, 1933, *Chiropteropsylla aegyptia* (Rothschild, 1903), and *C. brockmani* Rothschild, 1915.

VIRUSES:
Bunyaviridae
Willoughby *et al.* (2017: Suppl.) report the presence of Kaeng Khoi orthobunyavirus.

Coronaviridae - Coronaviruses
Gortazar and Segalés (2013: 954) indicate that recently a virus was identified from a Saudi-Arabian *T. perforatus* specimen that showed 100 % nucleotide identity with MERS-CoV (Middle East Respiratory Syndrome) in a conserved portion of its CoV genome, suggesting that this species might be the host for the MERS-CoV virus.

Flaviviridae
Flavivirus
Dakar bat virus was isolated from the pooled bat organs and salivary glands of this species in 1974 (Williams *et al.*, 1964; Kemp *et al.*, 1974). Reported in this species by de Jong *et al.* (2011: 10), Luis *et al.* (2013: Suppl.), Blitvich and Firth (2017: 3), Willoughby *et al.* (2017: Suppl.).

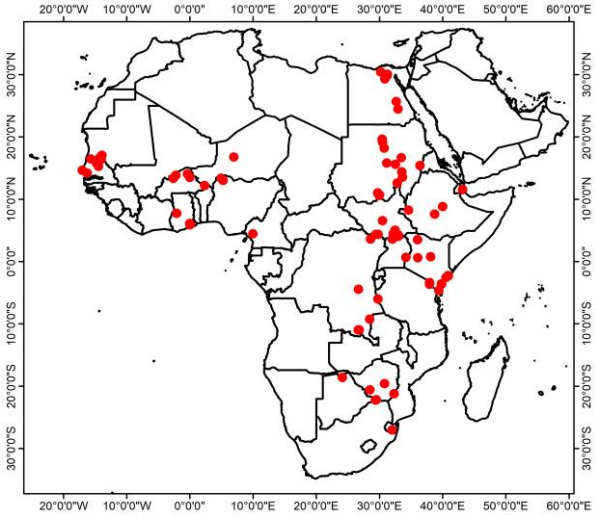

Figure 138. Distribution of *Taphozous perforatus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: "Africa", Botswana, Burkina Faso, Cameroon, Congo (Democratic Republic of the), Djibouti, Egypt, Ethiopia, Ghana, Kenya, Mauritania, Niger, Nigeria, Senegal, South Africa, South Sudan, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818

*1818. *Taphozous perforatus* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 126. Publication date: 1818. Type locality: Egypt: Kom Ombo [24 26 N 32 57 E]. Holotype: MNHN A.372: ad, alcoholic (skull not removed). Number 198 in Rode (1941: 243), who indicates the type might be a male. - Comments: Allen (1939a: 66) mentioned "Egypt" only as type locality. Restricted to Ombos (=Kom Ombo), between Edfu and Aswan by Kock (1969a: 74): see Meester *et al.* (1986: 32). Mahoney and Walton (1988a: 116) in Grubb *et al.* (1998: 72) considered the date of Geoffroy's publication to be 1813. Gardner and Hayssen (2004: 12) mention that the correct date should be 1818, not 1813 as mentioned on the publication itself. - Etymology: From the masculine scientific Latin adjective *perforàtus*, meaning "perforated", since the tail, as in all Emballonuridae, seems to perforate the uroparagium (see Lanza *et al.*, 2015: 227). (Current Combination)

1820. *Taphozous senegalensis* Desmarest, Encyclopédie Méthodique, (Zoologie, Mammalogie), 1: 130. Publication date: 1820. Type locality: Senegal: "Senegal". - Comments: Based on "le lérot-volant" of Daubenton, Mém. Acad. Paris, p. 366, 1759 (see Allen, 1939a: 66).

1958. *Taphozous perforatus swirae* Harrison, Durban Mus. Novit., 5 (11): 144. Publication date: 15 December 1958. Type locality: Nigeria: N Nigeria: Sokoto [13 02 N 05 16 E]. Holotype: BMNH 1967.1226: ad, skin and skull. Collected by: Mrs. Pamela Swire; collection date: 26 August 1958. Skin made up by D.L. Harrison, formerly in HZM collection 12.2690. - Comments: Grubb *et al.* (1998: 72) mention the locality as Sokoyo. Considered a valid subspecies by Grubb *et al.* (1998: 73), but see Kock (1969a: 80 - 81).

? *Taphozous perforatus perforatus:* (Name Combination, Current Combination)

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Burkina Faso, Egypt, Ethiopia, Ghana, Kenya, Mauritania, Niger, Nigeria, Senegal, South Sudan, Sudan, Tanzania, Uganda.

Taphozous perforatus sudani Thomas, 1915

*1915. *Taphozous Sudani* Thomas, Ann. Mag. nat. Hist., 8, 15 (90): 561. Publication date: 1 June 1915. Type locality: Sudan: Equatoria Province: Upper Nile, N of Lado: Mongalla [05 10 N 31 50 E, 500 m] [Goto Description]. Holotype: BMNH 1902.7.4.2: ad ♂. Collected by: W.L.S. Loat Esq. Presented/Donated by: W.L.S. Loat Esq. - Etymology: Referring to the country where the type specimen was collected.

1962. *Taphozous sudani australis* Harrison, Occ. Pap. Nat. Mus. S. Rhod., 26B: 763. Type locality: Zimbabwe: Junction between Limpopo and Shashi rivers [22 12 S 29 23 E] [Goto Description]. Holotype: [Unknown] ad ♂. Collected by: M.P. Stuart Irwin and *et al.*; collection date: 5 May 1960; original number: 9932. Rhodesian School Exploration Society Sentinel Ranch Expedition. - Comments: Homonym of *T. australis* Gould, 1854, from

Australia (Harrison, 1964a; Kock, 1969a: 74; Meester *et al.*, 1986: 32; Simmons, 2005).

1964. *Taphozous sudani rhodesiae* Harrison, Arnoldia Rhod., 1 (3): 2. - Comments: Renaming of *australis* Harrison, 1962, preoccupied.

? *Taphozous perforatus sudani:* (Current Combination, Current Spelling)

PARASITES:
Polyctenidae: *Eoctenes intermedius* (Speiser 1904) from the Congo (Haeselbarth *et al.*, 1966: 16).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), South Sudan, Tanzania, Uganda.

†Genus ***Vespertiliavus*** Schlosser, 1887

*1887. *Vespertiliavus* Schlosser, Beitr. Pal. Geol. Österr.-Ung., 6: 70; pl. I, figs 37, 40, 44, 45, 47, 48, 50-60,.

†***Vespertiliavus aenigma*** (Ravel, 2016)

*2016. *?Vespertiliavus aenigma* Ravel, in: Ravel et al., Geodiversitas, 38 (3): 356, 384, figs 14, 15. Publication date: 30 September 2016. Type locality: Tunisia: Kassérine governorate: Djebel Chambi National Park: Chambi [35 14 03 N 08 45 29 E, 630 m] [Goto Description]. - Etymology: From the latin *aenigma*, meaning enigma, puzzle or riddle, referring to the original morphology of the specimens, which makes it difficult to assign them systematically (see Ravel *et al.*, 2016: 384).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS: Timeframe: Late lower Eocene to early middle Eocene.

†***Vespertiliavus kasserinensis*** (Ravel, 2016)

*2016. *Vespertliavus kasserinensis* Ravel, in: Ravel et al., Geodiversitas, 38 (3): 356, 377, figs 11 - 13. Publication date: 30 September 2016. Type locality: Tunisia: Chambi [35 14 03 N 08 45 29 E, 630 m] [Goto Description]. - Etymology: The name refers to the city of Kasserine, at the foot of Djebel Chambi (see Ravel *et al.*, 2016: 377).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS: Timeframe: Late lower Eocene to early middle Eocene.

Family NYCTERIDAE Van der Hoeven, 1855

*1855. *Nycteridae* Van der Hoeven, Handboek Dierkunde, 2nd ed., 2: 1028. - Comments: Type genus: *Nycteris* Cuvier and Geoffroy, 1795. - Etymology: The family gets its name from the Greek name for a bat, *Nycteris* (see Taylor, 2005). (Current Combination)

1866. *Nyctericina* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 91. Publication date: 1 February 1866.

1910. *Petaliidæ* Miller, Proc. Biol. Soc. Wash., 22: 90 [Goto Description]. - Comments: Type genus: *Nycteris* Cuvier and Geoffroy, 1795. Replacement name for Nycteridae Dobson, 1875, due to the fact that Miller (1910) considered the name for the type genus (*Nycteris* Geoffroy 1803) to be antedated by *Nycteris* Borkhausen, 1797).

1984. *Nycteridídae:* Butler, Palaeovert., 14 (3): 117, 185. Publication date: 15 November 1984. (Emendation)

2015. *Nycteriidae:* Anti, Owusu, Agbenyega, Annan, Badu, Nkrumah, Tschapka, Oppong, Adu-Sarkodie, and Drosten, Emerg. Inf. Dis., 21 (8): 1419. Publication date: August 2015. (Lapsus)

2018. *Nicteridae:* Malekani, Musaba, Gembu, Bugentho, Toengaho, Badjedjea, Ngabu, Mutombo, Laudisoit, Ewango, Van Cakenberghe, Verheyen, Asimonyo, Masudi, Bongo and Ngbolua, Nat. Conserv. Res., 3 (1): 68. Publication date: January 2018. (Lapsus)

TAXONOMY:
Koopman (1993a) mentions Van der Hoeven (1855) as author whereas Corbet and Hill (1992: 88) mention Dobson (1875e: 348).

Flower (1900: 344), Sclater (1901: 120), Medway (1978: 19), Sigé and Legendre (1982), Kock *et al.* (2002: 82), Hand and Archer (2005: 376), and Lanza *et al.* (2015: 232) use the name Nycteridídae, but we follow Gunnell and Simmons (2005: 212), who state (when referring to the Tanzanycteridae): "This family is a new taxon named by Gunnell *et al.* (2003) for *Tanzanycteris*. They spelled the family name Tanzanycteridídae, but we follow Simmons and Geisler (1998: 133, footnote 13), who argued that all bat family group names based on generic epithets ending with the Greek root -nycteris should be spelled the same way, i.e., -nycteridae rather than -nycteridídae."

Simmons and Geisler (1998: 133) state: "Despite Russell and Sigé (1970)'s argument about the nature of the greek root of -nycteris, we think that it is counterproductive to spell some family-group names in one fashion and others differently. Because Nycteridae is widely accepted as the spelling of the family-group name based on *Nycteris*, we argue that all family-group names based on genera ending in -nycteris should be spelled in the same fashion."

COMMON NAMES:
Afrikaans: Langoor-vlermuise. Czech: rýhonosovití, nykteridovití. Dutch: Spleetneusvleermuizen. English: Slit-faced bats, Hollow-faced bats, Hispid bats, Long-eared bats. Finnish: Valkopäälepakot. French: Nyctéridés. German: Schlitznasenfledermäuse, Schlitznasen-Fledermäuse, Schlitznasen. Norwegian: Hullneser, striflaggermus.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Shi and Rabosky (2015: 1537) calculated the family-level stem age and crown age to be respectively 52.8 and 17.9 MYA.

The split off from the Emballonuridae occurred according to Amador *et al.* (2016: 22) some 51 MYA, and the diversification within the family started about 33 MYA.

Ravel *et al.* (2016: 415, 418) indicate that *Koufechia gunnelli* represents the basal taxon of the Nycteridae. They also suggest that the family originated in Africa in the Lower Eocene and migrated to Europe in the Oligocene, and even more recently to Asia.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa".

†Genus ***Khoufechia*** Ravel, 2016

*2016. *Khoufechia* Ravel, in: Ravel et al., Geodiversitas, 38 (3): 391. Publication date: 30 September 2016. - Etymology: From the Arabian "*Khouféche*", a term to designate abat (see Ravel *et al.*, 2016: 391).

TAXONOMY:
Ravel *et al.* (2016: 358) indicate that this genus has a basal position within the Nycteridae.

†***Khoufechia gunnelli*** Ravel, 2016

*2016. *Khoufechia gunnelli* Ravel, in: Ravel *et al.*, Geodiversitas, 38 (3): 356, 391, figs 18 - 20. Publication date: 30 September 2016. Type locality: Tunisia: Kassérine governorate: Djebel Chambi National Park: Chambi [35 14 03 N 08 45 29 E, 630 m] [Goto Description]. - Etymology: In honour of Gregg Gunnell for his numerous contributions to the study of African paleogene bats (see Ravel et al., 2016: 394).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS: Timeframe: Late lower Eocene to early middle Eocene.

Genus ***Nycteris*** G. Cuvier and E. Geoffroy, 1795

*1795. *Nycteris* G. Cuvier and E. Geoffroy, Mag. Encyclop. , 1 année 2: 186. - Comments: Type: *Vespertilio hispidus* Schreber, 1774. Gray *et al.* (1999: 1) mention Geoffroy and Cuvier, 1795 as authors. - Etymology: From the Greek "*νυκτορια*", meaning "nocturnal", or from the feminine Greek substantive "*νυκτερίς*" (nykterís), "bats" (see Lanza *et al.*, 2015: 234). (Current Combination)
1803. *Nicteris:* Desmarest, Nouveau Dictionnaire d'Histoire Naturelle, 15: 501. (Lapsus)
1813. *Nycterus:* G. Fischer, Zoognosia, ed. iii, I: 18. (Lapsus)
1838. *Petalia* Gray, Mag. Zool. Bot., Edinburgh, 2 (12): 494. Publication date: 1 February 1838. - Comments: Type species: *Nycteris Javanicus* E. Geoffroy Saint-Hilaire, 1813.
1845. *Nyctoris:* ?, London Encyclopedia, 22: 738. (Lapsus)
1866. *Nycterops* Gray, Proc. zool. Soc. Lond., 1866, I (vi): 83. Publication date: May 1866 [Goto Description]. - Comments: Type species: *Nycterops pilosa* Gray, 1866 (=*Vespertilio hispidus* Schreber, 1774). - Etymology: Derived from Nycteris and the Greek "*οψ*", meaning aspect (see Palmer, 1904: 465).
1866. *Pelatia:* Gray, Proc. zool. Soc. Lond., 1866, I (vi): 83. Publication date: May 1866. (Lapsus)
1977. *Petelia:* Lekagul and McNeeley, Mammals of Thailand, 107. (Lapsus)
1998. *Nyteris:* Van Cakenberghe and De Vree, Bonn. zool. Beitr., 48 (2): 123. (Lapsus)
? *Nycteris sp.:*

TAXONOMY:
Meester *et al.* (1986) state that Andersen (1912b) divided *Nycteris* into four groups, three of which, viz. *hispida*, *aethiopica* (= *macrotis* - Koopman, 1965, 1975) and *thebaica*, occur in Southern Africa. The fourth group (*arge*) is limited to the African forest block.
Ellerman and Morrison-Scott (1951 1: 106), Corbet and Hill (1992: 88) mention *Nycteris* to be a *nomen nudum*, which was validated by Opinion 111 (Anonymus, 1929) [See also Stiles (1914: 66)]. Revised by Van Cakenberghe and De Vree (1985, 1993a, 1993b, 1999a). A key is provided by Gray *et al.* (1999: 1, Mammalian Species, 612).

Known species of the genus *Nycteris*: ***arge*** Thomas, 1903; ***aurita*** (K.Andersen, 1912); ***gambiensis*** (K. Andersen, 1912); ***grandis*** Peters, 1865; ***hispida*** (Schreber, 1775); ***intermedia*** Aellen, 1959; *javanica* E. Geoffroy, 1813 – Java, Nusa Penida (near Bali) and Kangean Isl (Indonesia) (Simmons, 2005: 392); ***macrotis*** Dobson, 1876; ***madagascariensis*** Grandidier, 1937; ***major*** (K. Andersen, 1912); ***nana*** (K. Andersen, 1912); ***parisii*** De Beaux, 1924; ***thebaica*** E. Geoffroy, 1818; *tragata* (K. Andersen, 1912) – Burma, Thailand, western Malaysia, Sumatra, Borneo (Simmons, 2005: 394). ***vinsoni*** Dalquest, 1965; ***woodi*** K. Andersen, 1914.

COMMON NAMES:
Czech: rýhonosi, šerowecové, dutonosecové, nykteridy. English: Hollow-faced bats, Slit-faced bats. French: Nyctères. German: Schlitznasen-Fledermäuse, Schlitznasen. Italian: Nitterìdi, Nicterìdi. Kiluba (DRC): Kasusu. Kiande (DRC): Kakorokombe.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Avery (2007: 619) reported on the presence of *Nycteris* sp. in Pleistocene deposits at Wonderwerk Cave, South Africa. The

approximate fossil date for the genus was reported by Shi and Rabosky (2015: 1532) to be about 5.332 million years ago.

MOLECULAR BIOLOGY:
In their study of the *FoxP2* gene, Li *et al.* (2007: 6) found that *Nycteris* shows the highest rate of non-synonymous change at exon 17, which they link with the evolution of nasal emission, multi-harmonic call structure and prey location by passive listening.

PARASITES:
HAEMOSPORIDA
Perkins and Schaer (2016: Suppl.) reported *Nycteria medusiformis* Garnham and Heisch, 1953 from various countries in Africa.

ACARI
Demodecidae: Fain (1960: 84) described *Stomatodex cornett* from a *Nycteris* sp. from Astrida (=Butare), Rwanda.
Myobiidae: Fain (1994: 1280) indicates that one species of *Ewingana* has been reported from a *Nycteris*, but this is possibly due to a museum contamination. Various species of the genus *Nycteris* do harbour one species of the monotypic genus *Nycterimyobia* (also see Fain, 1994: 1280).

DIPTERA
Nycteribiidae: *Penicillida pachymela* Speiser, 1901, from Somalia, Sudan, Kenya, Tanzania, the Congo, Guinea and the Cameroon Mts (Haeselbarth *et al.*, 1966: 114).

VIRUSES:
Coronaviridae
None of the 18 Kenyan bats tested positive for CoV (Tao *et al.*, 2017: Suppl.).

Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that one of two examined *Nycteris* specimens from Kenya tested positive for *Paramyxovirus* sequences.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Horton *et al.* (2014: Table S1) tested 1 Tanzanian and 1 Kenyan *Nycteris* sp. specimen, but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Chad, Congo, Congo (Democratic Republic of the), Egypt, Ethiopia, Gabon, Kenya, Namibia, Nigeria, Senegal, Somalia, South Africa, South Sudan, Sudan, Tanzania, Uganda, Zambia, Zimbabwe.

Nycteris arge Thomas, 1903

*1903. *Nycteris arge* Thomas, Ann. Mag. nat. Hist., ser. 7, 12 (72): 633. Publication date: 1 December 1903. Type locality: Cameroon: SW Cameroon: Efulen [02 46 N 10 42 E] [Goto Description]. Holotype: BMNH 1904.2.8.2: ad ♂, skull and alcoholic. Collected by: George Latimer Bates Esq. - Etymology: From the Greek "*argos*" meaning shiny, bright, nimble, swift, rapid. (Current Combination)
1910. *Petalia arge:* Thomas and Wroughton, Trans. Linn. Soc. Lond., 19 (5) (63): 488. (Name Combination)
2002. *Nycteris argae:* Fenton and Bogdanowicz, Can. J. Zool., 80: 1008. (Lapsus)

TAXONOMY:
Formerly included *intermedia* (Hayman and Hill, 1971: 19), but see Van Cakenberghe and De Vree (1985).

arge species group (Van Cakenberghe and De Vree, 1985; Simmons, 2005: 391).

COMMON NAMES:
Czech: rýhonos guinejský. English: Bates's Slit-faced Bat, Nimble Slit-faced Bat. French: Nyctère de Bates. German: Bates' Schlitznasen-Fledermaus. Kiluba (DRC): Katutu. Spanish (Castillian): Murciélago de Cara Hueca.
CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bf; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bf; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004by; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
It parts of its range it is presumably threatened by conversion of forest to agricultural land, and the logging of roost trees (Mickleburgh *et al.*, 2008bf; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bf) [in IUCN (2009)]

reported that in view of the species wide range, it is presumably present in some protected areas. Further studies are needed into the distribution and threats to this species.

GENERAL DISTRIBUTION:
Nycteris arge is widely distributed over much of West and Central Africa. It ranges from Sierra Leone in the west, through West Africa and the Congo Basin to western Uganda, southern Sudan, western Kenya, northern Tanzania and Burundi. It is distributed as far south as southern parts of the Democratic Republic of the Congo and northern Angola.

Amori *et al.* (2016: 217) [referring to Grubb *et al.* (1998: 74)] pointed out that the record from Togo (reported until ACR, 2015) is actually from Ghana.

Native: Angola (Hayman, 1963; Simmons, 2005: 391; Monadjem *et al.*, 2010d: 547); Burundi; Cameroon (Simmons, 2005: 391); Central African Republic (Lunde *et al.*, 2001: 537); Congo (Bates *et al.*, 2013: 335); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Simmons, 2005: 391; Monadjem *et al.*, 2010d: 547); Côte d'Ivoire; Equatorial Guinea [= Bioko] (Simmons, 2005: 391); Gabon; Ghana (Decher and Fahr, 2007: 12 - 13); Guinea (Fahr *et al.*, 2006a: 72); Kenya (Webala *et al.*, 2004: 171; Simmons, 2005: 391); Liberia (Monadjem and Fahr, 2007: 50); Nigeria; Rwanda; Sierra Leone (Simmons, 2005: 391); Sudan (Simmons, 2005: 391); Tanzania; Uganda (Kityo and Kerbis, 1996: 60).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
From western Uganda, Monadjem *et al.* (2011: 30) reported the following data for 11 specimens: Fa: 45.23 ± 0.880 mm, mass: 10.9 ± 0.94 g, wing loading: 5.9 ± 0.50 N/m^2, aspect ratio: 4.8 ± 0.49.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
Eisenberg and Wilson (1978: 743) indicate that *N. arge* has a relatively larger cranial volume than its congeners, which they link to differences in feeding strategy and habitat selection.

DETAILED MORPHOLOGY:
Baculum - The baculum ranges from 3.15 - 4.28 mm in length; the shaft is long, slender, parallel-sided and essentially straight; the base is expanded and round; in lateral profile it is sometimes angled ventrally while the tip is simple, with only a small expansion (Thomas *et al.*, 1994: 19).

ECHOLOCATION:
From western Uganda, Monadjem *et al.* (2011: 32) reported two different sets of data for two calls each: F_{min}: 21.55 kHz, F_{max}: 22.11 kHz, F_{char}: 21.88 kHz, F_{knee}: 21.77 kHz, duration: 4.1 msec; F_{min}: 46.43 kHz, F_{max}: 47.83 kHz, F_{char}: 47.23 kHz, F_{knee}: 47.23 kHz, duration: 5.9 msec. The authors indicate that these different data might represent harmonics.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
R.B. Woosnam [in Thomas, 1910b: 488] reported it to be flying low over the water of the Aruwimi River.

Monadjem *et al.* (2016y: 367) recorded this species widely from forested habitats between 400 and 1,000 m in the Mount Nimba area.

POPULATION:
Structure and Density - This is a common species (Mickleburgh *et al.*, 2008bf; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008bf; IUCN, 2009).

PARASITES:
HAEMOSPORIDA
Schaer *et al.* (2015: 381) found *Nycteria* cf. *eradi* parasites in *N. arge* from Sierra Leone. Perkins and Schaer (2016: Suppl.) mention this parasite as *Nycteria eradi*.

HEMIPTERA
Polyctenidae: *Eoctenes nycteridis* (Horváth 1910) from Liberia, Congo, Ruanda-Urundi, Tanzania, Uganda and Eritrea (Haeselbarth *et al.*, 1966: 17).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested [as *N. argae*] between 1986 and 1999, for antibody to SARS-CoV in sera in one individual from Oriental Province, DRC, none tested positive (0/1).

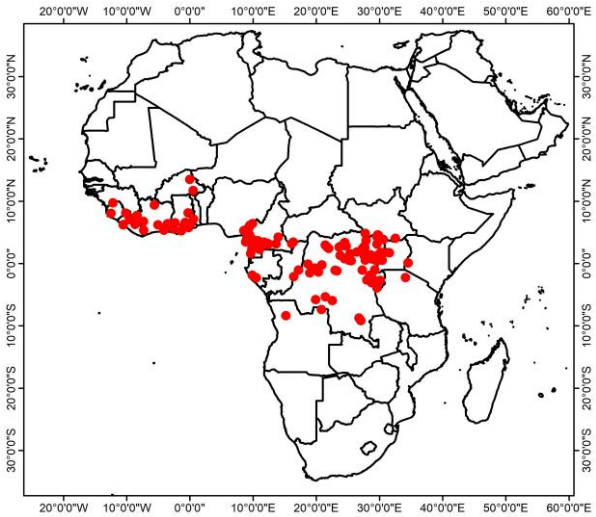

Figure 139. Distribution of *Nycteris arge*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Burkina Faso, Burundi, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Kenya, Liberia, Nigeria, Sierra Leone, South Sudan, Tanzania, Uganda.

Nycteris aurita (K. Andersen, 1912)

*1912. *Petalia aurita* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): 547. Publication date: 1 November 1912. Type locality: Kenya: Kilifi [03 38 N 39 51 E] [Goto Description]. Holotype: BMNH 1889.1.11.1: ad ♀, skull and alcoholic. Collected by: G.D. Trevor-Roper. Presented/Donated by: G.D. Trevor-Roper. - Etymology: From the feminine Latin adjective *aurìta*, meaning "long-eared" (see Lanza *et al.*, 2015: 236).

1924. *Nycteris aurita:* de Beaux, Atti Sic. Lig. Sci. Lett., n.s., 3 (1): ???. (Name Combination, Current Combination)

1957. *Nycteris hispida aurita:* Ansell, Ann. Mag. nat. Hist., ser. 12, 10: ???. (Name Combination)

GENERAL COMMENTS:
Lanza *et al.* (2015: 236) pointed out that we erroneously mentioned Kitui as type locality for this taxon, whereas this should be Kilifi.

TAXONOMY:
Nycteris aurita is often considered as a synonym or subspecies of *N. hispida* (Blyth, 1863: 391), but see Van Cakenberghe and De Vree, 1993b).

hispida species group Van Cakenberghe and De Vree, 1993b; Simmons, 2005: 391).

COMMON NAMES:
Czech: rýhonos východoafrický. English: Andersen's Slit-faced Bat. French: Nyctère d'Andersen, Nyctère à longues oreilles. German: Andersens Schlitznasen-Fledermaus. Italian: Nitterìde orecchiùta, Nicterìde orecchiùta.

CONSERVATION STATUS:
Global - Although this species is known mainly from isolated records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population (it is common where it has been recorded), and because its savanna habitat is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008r; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008r; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2004n; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are poorly known, however, it is likely that there are no major threats to the species, as it has been recorded from an extensive habitat that is not severely declining (Mickleburgh *et al.*, 2008r; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008r) [in IUCN (2009)] report that it is not known if there are any direct conservation measures in place, or if the species is present within any protected areas. Further studies are needed into the distribution, natural history and possible threats to this little known species.

GENERAL DISTRIBUTION:
Nycteris aurita is known from scattered records in East Africa. It has been recorded from northern Somalia in the north of its range, through southern Ethiopia and Sudan, into Kenya and Tanzania in

the south.

Native: Ethiopia (Lavrenchenko *et al.*, 2004b: 147; Simmons, 2005: 391); Kenya (Simmons, 2005: 391); Somalia (Simmons, 2005: 391); Sudan; Tanzania (Simmons, 2005: 391), United Republic of; Uganda; Zambia.

POPULATION:
Structure and Density - There is little information available on the abundance of this species, but it seems to be common where it has been recorded (Mickleburgh *et al.*, 2008r; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008r; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia, Kenya, Somalia, South Sudan, Tanzania.

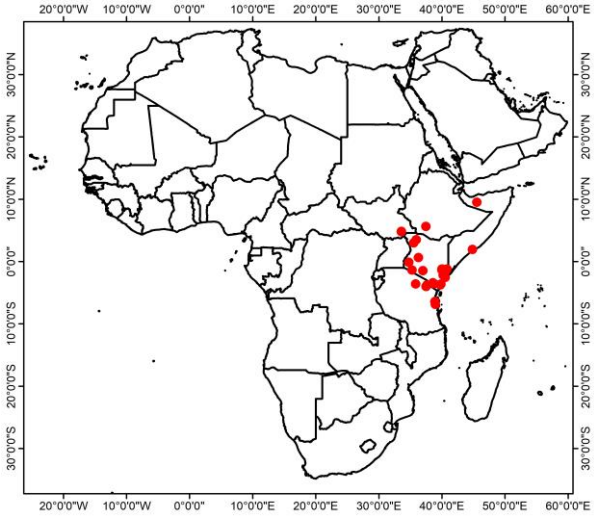

Figure 140. Distribution of *Nycteris aurita*

Nycteris* cf. *parisii De Beaux, 1924

2016. *Nycteris cf. parisii* Kruskop, Benda, Vasenkov and Lavrenchenko, Lynx, 47: 60.

TAXONOMY:
Due to the lack of molecular genetic analyses, Kruskop *et al.* (2016: 60) indicate that taxonomic composition and species delimitations in the *N. woodi* complex are rather uncertain. Van Cakenberghe and De Vree (1985) suggested that *parisii* and *benuensis* are synonyms of *N. woodi*, but based on bacular morphology, Thomas *et al.* (1994) suggested that *parisii* is specifically different from *woodi*. Kruskop *et al.* (2016: 60) state that the shape of the baculum of the specimens they report on, is more like that of *woodi*, and not like that of *parisii* which would be the species involved if the complex contains more than one species.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia.

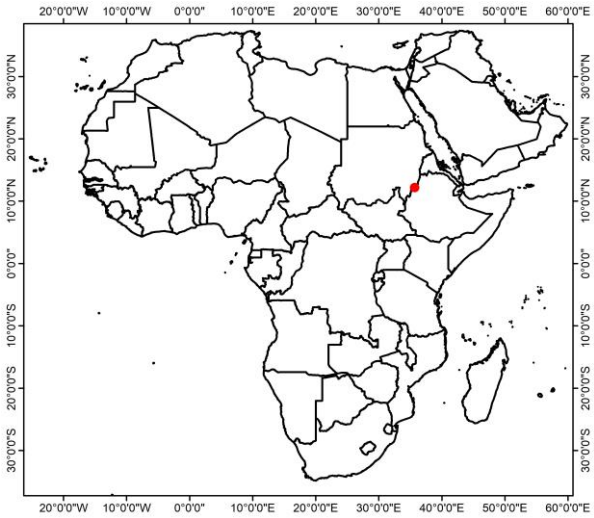

Figure 141. Distribution of *Nycteris* cf. *parisii*

Nycteris gambiensis (K. Andersen, 1912)

*1912. *Petalia gambiensis* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): 548. Publication date: 1 November 1912. Type locality: Senegal: Dialocote [13 25 N 13 20 W] [Goto Description]. Holotype: BMNH 1911.6.10.10: ad, skin and skull. Collected by: G.F. Owen; collection date: 7 May 1910; original number: A5.
1923. *P[etalia (Nycteris)] th[ebaica] gambiensis:* de Beaux, Atti Soc. ital. Sci. nat., 62: 96. (Name Combination)
1929. *Nycteris thebaica gambiensis:* Ingoldby, Ann. Mag. nat. Hist., ser. 10, 3: ???. (Name Combination)
1939. *Nycteris gambiensis:* G.M. Allen, Bull. Mus. comp. Zool., 83: 69. (Name Combination, Current Combination)
1975. *[Nycteris] gambianus:* Koopman, Bull. Am. Mus. Nat. Hist., 154 (4): 381. (Lapsus)

TAXONOMY:
Reviewed by Van Cakenberghe and De Vree (1999a).

thebaica species group (Van Cakenberghe and De Vree, 1999a; Simmons, 2005: 392).

COMMON NAMES:
Czech: rýhonos západoafrický. English: Gambian Slit-faced Bat. French: Nyctère de Gambie. German: Gambia Schlitznasen-Fledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Bergmans and Fahr, 2008; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Bergmans and Fahr, 2008; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Bergmans and Fahr, 2004; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species overall. It is threatened in parts of its range by habitat loss, often resulting from conversion of savanna to agricultural use (Bergmans and Fahr, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Bergmans and Fahr (2008) [in IUCN (2009)] report that there appear to be no direct conservation measures in place for this species, and it is not known if it occurs in any protected areas. There is a need to protect roosts of this species, and to better determine the eastern limits of the species range.

GENERAL DISTRIBUTION:
Nycteris gambiensis is a West African species which ranges from Senegal and the Gambia, through most of West Africa, as far east as central Nigeria. There is a single uncertain record from Cameroon which requires verification.

A record from Sierra Leone is in error (J Fahr *pers. comm.* in Simmons, 2005: 392)

Native: Benin (Simmons, 2005: 392); Burkina Faso (Simmons, 2005: 392; Kangoyé *et al.*, 2015a: 615); Côte d'Ivoire (Simmons, 2005: 392); Gambia (Simmons, 2005: 392); Ghana (Simmons, 2005: 392); Guinea (Simmons, 2005: 392; Decher *et al.*, 2016: 264); Guinea-Bissau (Monard, 1939; Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 43; Simmons, 2005: 392); Mali; Mauritania; Niger; Nigeria (Simmons, 2005: 392); Senegal (Simmons, 2005: 392); Togo (Simmons, 2005: 392).
Uncertain: Cameroon; Sierra Leone (Simmons, 2005: 392).

DETAILED MORPHOLOGY:
Baculum - The baculum ranges from 2.88-3.42 mm in length; the shaft is slender and parallel-sided; the base is expanded and in lateral view is angled ventrally, while the tip is simple with a slight expansion (Thomas *et al.*, 1994:22).

POPULATION:
Structure and Density - It can be a locally common species (Bergmans and Fahr, 2008; IUCN, 2009).
Trend - 2008 - Unknown (Bergmans and Fahr, 2008; IUCN, 2009).

VIRUSES:
Willoughby *et al.* (2017: Suppl.) report the following viruses: Chobar Gorge virus, Lagos bat lyssavirus, Saboya virus.

Coronaviridae - Coronaviruses
Betacoronavirus
Annan *et al.* (2013: 457) reported that 46 out of 185 (24.9 %) *N.* cf. *gambiensis* specimens tested in Ghana were found to be positive for 2c *Betacoronavirus*. They also found that juvenile bats and lactating females were more likely to be infected than adult males and non-lactating females.

Flaviviridae
Flavivirus
de Jong *et al.* (2011: 10) and Luis *et al.* (2013: suppl.) reported Saboya virus occurring on this species. Calderon *et al.* (2016: 8) also mention Sokuluk virus.

Reoviridae
Orbivirus
Fomede virus - reported in the CDC's Arbovirus Catalogue, to have been isolated in 1978 from the Republic of Guinea, from the brain and internal organs of *N.* cf. *gambiensis*. Reported by de Jong *et al.* (2011: 11) and Luis *et al.* (2013: suppl.).

Rhabdoviridae
Lyssavirus - Rabies related viruses
Lagos bat virus - Isolated in Guinea (Institute Pasteur, 1985).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Burkina Faso, Cameroon, Côte d'Ivoire, Ghana, Guinea, Guinea-Bissau, Nigeria, Senegal, The Gambia, Togo.

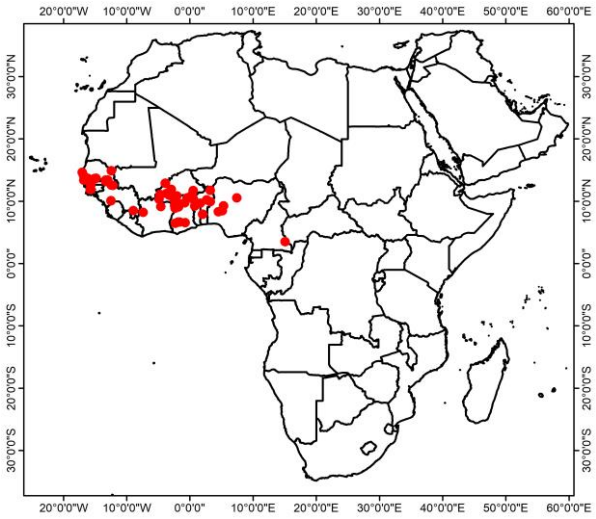

Figure 142. Distribution of *Nycteris gambiensis*

Nycteris grandis Peters, 1865

*1865. *Nycteris grandis* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 351, 358. Type locality: Ghana: vicinity of Elmina [05 05 N 01 21 W] [Goto Description]. Paralectotype: RMNH MAM.27348: ad, skin only. Collected by: Colonel C.J.M. Nagtglas; collection date: 1863. - Comments: Grubb *et al.* (1998: 76) mention the type locality as 'Usually given as "Guinea" but the type, in the Leiden Museum, was collected in 1863 by Nagtglas, and ascribed to Côte d'Or (Jentink, 1888b: 170). The type locality may be further restricted to the vicinity of Elimina [Ghana] which is the only definite locality Jentink cited for any of the Nagtglas material'. The publicatiion covers a meeting held on 13 July 1865. - Etymology: From the Greek "*grandis*" meaning magnificent (Brown, 1991; Jaeger, 1972, both in Hickey and Dunlop, 2000: 3). (Current Combination)

1866. *Nycteris Baikii* Gray, in: Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 672 (for 1866). Type locality: "Africa": West Africa: Baikie. - Comments: Meester *et al.* (1986: 34) mention "Gray in Peters" as author. Nomen nudum.

1912. *Petalia grandis:* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): ???. (Name Combination)

1923. *Nycteris marica* Kershaw, Ann. Mag. nat. Hist., ser. 9, 12 (70): 534. Publication date: 1 October 1923. Type locality: Tanzania: Kilosa: Tindiga [06 55 S 37 20 E] [Goto Description]. Holotype: BMNH 1923.8.2.1: ad, skin and skull. Collected by: Professor Arthur Loveridge; collection date: 24 January 1922.

1925. *Nycteris proxima* Lönnberg and Gyldenstolpe, Ark. Zool. Stockholm, 17B (9): 1. Publication date: 14 May 1925. Type locality: Congo (Democratic Republic of the): Semliki valley: Kartoushi [00 44 N 29 34 E] [Goto Description]. Holotype: [Unknown] ad ♂. Collection date: 11 March 1921; original number: 813. See Lönnberg and Gyldenstolpe (1925: 2).

1938. *[Nycteris] narica:* Frechkop, Exploration du Parc National Albert, 50. (Lapsus)

1938. *[Nycteris] praxima:* Frechkop, Exploration du Parc National Albert, 50. (Lapsus)

1981. *N[ycteris] g[randis] marica:* Kock, Senckenb. biol., 61 (5/6): 325. (Name Combination)

1991. *Nycteris graudis:* Baker, Honeycutt and Van den Bussche, Bull. Am. Mus. Nat. Hist., 206: 46. (Lapsus)

2016. *Nycteris grande:* Bhatnagar, Smith, Rai and Frahm, Anat. Rec., 299: 495. Publication date: 21 January 2016. (Lapsus)

TAXONOMY:
Reviewed by Van Cakenberghe and De Vree (1993b). *N. marica* is sometimes recognized as a distinct savanna subspecies, but this does not seem justified based on morphology (Van Cakenberghe and De Vree, 1993b; Hickey and Dunlop, 2000; Simmons, 2005: 392).

hispida species group (Van Cakenberghe and De Vree, 1993b; Simmons, 2005: 392).

COMMON NAMES:
Afrikaans: Groot spleetneusvlermuis. Czech: rýhonos velký, nycteris velká. English: Large Slit-faced Bat. French: Grande nyctère. German: Große Schlitznase, Große Schlitznasen-Fledermaus. Portuguese: Morcego grande orelhudo.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bg; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bg; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004cd; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
In general, there appear to be no major threats to this species as a whole. It is threatened in parts of its range by habitat loss, particularly the logging of large trees used for roosting. Some populations may be threatened by overharvesting for subsistence food (Mickleburgh *et al.*, 2008bg; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bg) [in IUCN (2009)] report that in view of the species wide range, it is presumably present in a number of protected areas. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Nycteris grandis is broadly distributed in sub-Saharan Africa. It ranges from Senegal, through West and Central Africa, to southern Sudan, southeastern Kenya and eastern Tanzania, with scattered records as far south as Zambia, Zimbabwe and Mozambique. Also found on the islands of Zanzibar and Pemba (Simmons, 2005: 392). It is a lowland species.

Native: Benin; Burkina Faso (Kangoyé *et al.* (2012: 6025; 2015a: 615); Cameroon; Central African Republic (Lunde *et al.*, 2001: 537); Congo (Bates *et al.*, 2013: 335); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Simmons, 2005: 392; Monadjem *et al.*, 2010d: 547); Côte d'Ivoire; Equatorial Guinea (Fahr and Ebigbo, 2003: 128); Gabon; Ghana; Guinea; Kenya (Simmons, 2005: 392); Liberia (Fahr, 2007a: 103); Malawi (Happold *et al.*, 1988; Happold and Happold, 1997b: 815; Simmons, 2005: 392; Monadjem *et al.*, 2010d: 547); Mozambique (Smithers and Lobão Tello, 1976; Simmons, 2005: 392; Monadjem *et al.*, 2010d: 547; Monadjem *et al.*, 2010c: 381); Nigeria; Senegal (Simmons, 2005: 392); Sierra Leone; Sudan; Tanzania (Stanley and Goodman, 2011: 43) (including the islands of Pemba and Unguja [O'Brien, 2011: 289]); Togo (Capo-Chichi *et al.*, 2004: 162); Uganda (Kityo *et al.*, 2009: 137); Zambia (Ansell, 1969; Ansell, 1986; Monadjem *et al.*, 2010d: 547); Zimbabwe (Simmons, 2005: 392; Monadjem *et al.*, 2010d: 547).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Hickey and Dunlop (2000).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Hickey and Dunlop (2000).

DETAILED MORPHOLOGY:
Baculum - The baculum ranges from 3.45-3.54 mm in length and is small in relation to body size; the shaft is stout and deep, unlike that of any other *Nycteris* examined, the base is narrow and in lateral profile is usually angled ventrally, while the tip is squared, with a pronounced ventral projection (Thomas *et al.*, 1994: 21).
For a description of the skull, ears and tragus, and wingshape and aspect ratio see Hickey and Dunlop (2000).

SEXUAL DIMORPHISM:
N. grandis is not sexually dimorphic in size (Hickey and Dunlop, 2000: 1).

ECHOLOCATION:
See Taylor (1999b) and Hickey and Dunlop (2000).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Porter *et al.* (2010) reported for a single male Gabonese specimen as $2n = 42$, with 34 biarmed and 6 acrocentric autosomes, with an X as a large subtelocentric and the Y is a small acrocentric.
Protein / allozyme - Unknown.

HABITAT:
This species has been recorded from a variety of lowland habitats, ranging from lowland tropical moist forest (often found near to swampy sites) to drier savanna areas and Miombo woodland (Rosevear, 1965; Fenton *et al.*, 1990; Hickey and Dunlop, 2000; Skinner and Chimimba, 2005). Kangoyé *et al.* (2015a: 615) report it from a gallery forest in Lera, Burkina Faso.

In the Mount Nimba area, Monadjem *et al.* (2016y: 367) recorded this species from forested and forest edge habitats between 400 and 700 m.

HABITS:
See Hickey and Dunlop (2000).

ROOST:
Nycteris grandis generally roosts in hollow trees, but is also found in man made structures such as houses (Fenton *et al.*, 1990; 1993), disused water towers (Fenton *et al.*, 1990; 1993) and culverts (Rosevear, 1965). They may also roost in hollow fallen logs, and holes or small caverns in rocks (Rosevear, 1965; Hickey and Dunlop, 2000).

DIET:
Fenton *et al.* (1981: 463; 1990: 2, 4) found that in the Mana Pools National Park, in Zimbabwe, *N. grandis* primarily fed on frogs (e.g. *Ptychadena anchietae, P. mossambica, P.* spp., *Xenopus laevis*), bats (e.g. *Nycteris thebaica, Rhinolophus* cf *darlingi*, "*Pipistrellus* cf. *nanus*", *Hipposideros* cf. *caffer*), arthropods, but sometimes also captured birds (*Cisticola fulvicapilla, Apalis flavida*) and fish (*Tilapia rendalli*, *Barbus* sp., *Alestes* sp.).

POPULATION:
Structure and Density - It appears to be a rare, or rarely recorded, species. The species occurs in small colonies, but is usually found only as single animals or in pairs (Mickleburgh *et al.*, 2008bg; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008bg; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
See Hickey and Dunlop (2000).

REPRODUCTION AND ONTOGENY:
Krutzsch (2000: 115), referring to Verschuren (1957), indicates that *N. grandis* is polyoestrous with two or more (continuous) cycles per year, a postpartum oestrus and often no anoestrus.

Stanley and Goodman (2011: 43), referring to Verschuren (1957), report on a pregnant female collected on 31 July 1993 in the East Usambara Mountains (Tanzania).

PARASITES:
Little information is available regarding parasites of *N. grandis* (Hickey and Dunlop, 2000).

HAEMOSPORIDA
Schaer *et al.* (2015: 381) found two different forms of *Nycteria* sp. parasites in *N. grandis* from Sierra Leone. Karadjian *et al.* (2016: 9834) mentioned *Nycteria medusiformis* and *Nycteria* sp. from the DRC.

HEMIPTERA
Polyctenidae: *Eoctenes nycteridis* (Horváth, 1910) from Liberia, Congo, Ruanda-Urundi, Tanzania, Uganda and Eritrea (Haeselbarth *et al.*, 1966: 17).

SIPHONAPTERA
Pulicidae: *Echidnophaga aethiops* Jordon and Rothschild, 1906 locality not mentioned (Haeselbarth *et al.*, 1966: 135).

VIRUSES:
Keymer (1971) reported "broad trypanosomes" from four of six specimens collected from Zambia.

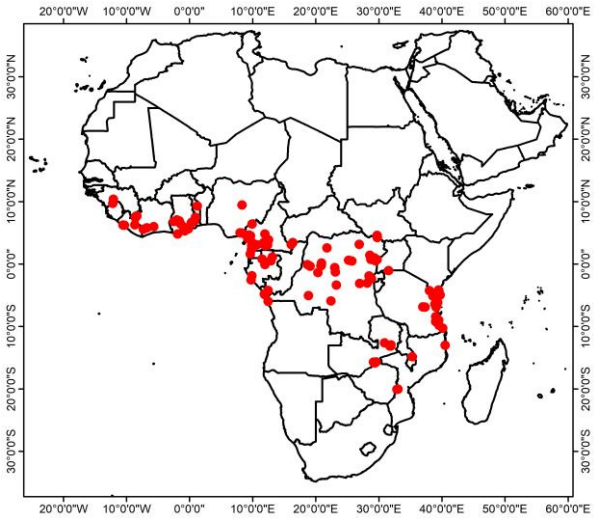

Figure 143. Distribution of *Nycteris grandis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Kenya, Liberia, Malawi, Mozambique, Nigeria, Sierra Leone, Tanzania, Togo, Zambia, Zimbabwe.

Nycteris hispida (Schreber, 1774)

*1774. *Vespertilio hispidus* Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, 1 (8): pl. 56 + 1 (9): 169, 188. Publication date: 1774. Type locality: Senegal: "Senegal" [Goto Description]. - Etymology: From the masculine Latin adjective *hìspidus*, meaning "shaggy", referring to the bristly hair around the facial slit (see Lanza *et al.*, 2015: 242).

1813. *Nycteris Daubentonii* E. Geoffroy Saint-Hilaire, Ann. Mus. Hist. nat. Paris, 20: 19. Publication date: August 1813. Type locality: Senegal: "Senegal" [Goto Description].

1840. *Nycteris hispida:* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 3: ???. (Name Combination, Current Combination)
1843. *Nycteris poensis* Gray, Catalogue of the species of mammals of the British Museum, 24. Publication date: 13 May 1843. Type locality: Equatorial Guinea: Bioko [formerly Fernando Po] [ca. 03 21 N 08 40 E] [Goto Description]. Holotype: BMNH 1855.12.26.252: ad ♀, skin and skull. Presented/Donated by: Captain E. Downes R.N. Intended specimen = *Rhinolophus martini* Fraser: see Meester *et al.* (1986: 33). - Comments: Considered a nomen nudum by Dobson (1878: 162) and Allen (1939a: 69).
1843. *Rhinolophus Martini* Fraser, Proc. zool. Soc. Lond., 1843, V (cxxi): 25. Publication date: July 1843. Type locality: Equatorial Guinea: Bioko [formerly Fernando Po] [ca. 03 21 N 08 40 E] [Goto Description].
1852. *Nycteris villosa* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 48, pl. 11. Publication date: 1852. Type locality: Mozambique: Inhambane [24 00 S 35 28 E] [Goto Description]. Holotype: ZMB 394/85665: ♂, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008) [skull: ZMB 394 + skeleton: ZMB 85665]. - Comments: Considered a valid subspecies by Taylor (1998: 33).
1866. *Nycterops pilosa* Gray, Proc. zool. Soc. Lond., 1866, I (vi): 83. Publication date: May 1866. Type locality: "Africa": "Africa".
1878. *Nycteris hispida villosa:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 163. (Name Combination)
1883. *Nycteris hispidus:* Rochebrune, Act. Soc. Linn. Bordeaux, 37: ???. (Name Combination)
1910. *Petalia hispida:* Thomas and Wroughton, Trans. Linn. Soc. Lond., 19 (5) (63): 488. (Name Combination)
1917. *Nycteris pallida* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 425. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Faradje [03 44 N 29 43 E] [Goto Description]. Holotype: AMNH 49144: ad ♂. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 1 March 1912; original number: 1858. Paratype: RMCA 12390: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 22 Novermber 1911; original number: formerly AMNH 49119. Topotype: MCZ 17226: ♂, alcoholic (skull not removed). Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 9 March 1912.
1935. *[Nycteris hispida] martini:* Braestrup, Vidensk. Meddr dansk naturh. Foren., 99: 88. (Name Combination)
1935. *N[ycteris] h[ispida] pallida:* Braestrup, Vidensk. Meddr dansk naturh. Foren., 99: 88. (Name Combination)
1935. *Nycteris hispida hispida:* Braestrup, Vidensk. Meddr dansk naturh. Foren., 99: 88. (Name Combination)

TAXONOMY:
Koopman (1975: 377, 378) includes *aurita* and *pallida*. Van Cakenberghe and De Vree (1993b) consider *aurita* as a separate species.

hispida species group (Van Cakenberghe and De Vree, 1993b; Simmons, 2005: 392).

COMMON NAMES:
Afrikaans: Harige spleetneusvlermuis, Harige Langoorvlermuis. Czech: rýhonos štětinatý, šerowec senegalský. English: Hairy Slit-faced Bat, Hairy Long-eared Bat. French: Nyctère hérissée, Nyctère hirsute. German: Rauhaarschlitznase, Gemeine Schlitznasen-Fledermaus. Italian: Nitterìde irsùta, Nicterìde irsùta, Nitterìde ìspida, Nicterìde ìspida. Kiluba (DRC): Katutu. Portuguese: Morcego orelhudo piloso.

ETYMOLOGY OF COMMON NAME:
Although this species is not hairier than any of the other slit-faced bats, the name is applied to it as a translation of the specific name *hispida*, which is from the Latin *hispidus*, meaning hairy or bristly, refering to the bristly hair around the facial slit (see Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008s; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008s; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004m; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016c). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species. It is locally threatened in parts of its range by habitat loss, largely through the conversion of forest to agricultural use (Mickleburgh *et al.*, 2008s; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008s) [in IUCN (2009)] report that in view of the species wide range it is presumably present in a number of protected areas (including the Udzungwa Mountains National Park of Tanzania (Stanley *et al.*, 2005b)). No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
This species has a wide range, encompassing much of sub-Saharan Africa, with the exception of the Horn of Africa and parts of southern Africa. There is an apparently disjunct population in western Mauritania close to the border with Senegal, and an isolated record from central Mali. Also recorded from the island of Unguja [=Zanzibar] (Simmons, 2005: 392; O'Brien, 2011: 289).

The records from Cape of Good Hope are probably invalid (Cotterill, 1996a).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 710,458 km^2.

Native: Angola (Crawford-Cabral, 1989; Hayman, 1963; Simmons, 2005: 392; Monadjem *et al.*, 2010d: 547); Benin (Capo-Chichi *et al.*, 2004: 162); Botswana (Archer, 1977; Cotterill, 2004a: 261; Simmons, 2005: 392; Monadjem *et al.*, 2010d: 547); Burkina Faso (Kangoyé *et al.*, 2015a: 615); Burundi; Cameroon; Central African Republic (Lunde *et al.*, 2001: 537); Chad; Congo (Bates *et al.*, 2013: 336); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 547); Côte d'Ivoire; Equatorial Guinea [= Bioko] (Simmons, 2005: 392); Ethiopia (Lavrenchenko *et al.*, 2004b: 132); Gabon; Gambia (Simmons, 2005: 392; Emms and Barnett, 2005: 50); Ghana; Guinea (Fahr *et al.*, 2006a: 72); Guinea-Bissau (Bocage, 1892a; Monard, 1939; Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 41); Kenya; Liberia (Fahr, 2007a: 103); Malawi (Happold *et al.*, 1988; Happold and Happold, 1997b: 815; Simmons, 2005: 392; Monadjem *et al.*, 2010d: 547); Mali; Mauritania (Simmons, 2005: 392); Mozambique (Smithers and Lobão Tello, 1976; Simmons, 2005: 392; Monadjem *et al.*, 2010d: 547; Monadjem *et al.*, 2010c: 381); Namibia (Monadjem *et al.*, 2010d: 547); Niger; Nigeria; Rwanda; Senegal (Adam and Hubert, 1976; Simmons, 2005: 392); Sierra Leone; Somalia (Simmons, 2005: 392); South Africa (Monadjem *et al.*, 2010d: 547); Sudan; Tanzania (Stanley *et al.*, 2005b); Togo; Uganda (Kityo and Kerbis, 1996: 60); Zambia (Ansell, 1973; Ansell, 1974; Ansell, 1986; Monadjem *et al.*, 2010d: 547); Zimbabwe (Monadjem *et al.*, 2010d: 547).

DETAILED MORPHOLOGY:
Baculum - The baculum ranges from 3.33 - 4.16 mm in length, the shaft is long, slender and variably ventrally curved, the base is expanded and in lateral profile is angled ventrally, while the tip is sometimes angled ventrally, it has a projection on the ventral aspect varying between individuals from a slight swelling to a pronounced hook (Thomas *et al.*, 1994: 20).

ECHOLOCATION:
See Taylor *et al.* (2005).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Lee *et al.* (1989) reported 2*n* = 42, FN = 78, BA = 38, and a metacentric X and Y.
Protein / allozyme - Unknown.

HABITAT:
Nycteris hispida has been recorded from a wide variety of habitats, ranging from lowland tropical moist forest, into moist savanna, dry savanna, papyrus swamps and marsh.

R.B. Woosnam [in Thomas, 1910b: 488] reported it to be most numerous among the acacia trees on the plains around the south end of the Ruwenzori range.

Monadjem *et al.* (2016y: 367) recorded *N. hispida* sparsely in open savanna on the Liberian side of Mount Nimba.

ROOST:
Colonies roost in hollow trees, dense bushes, caves, holes in termite colonies and similar habitats.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention *N. hispida* to be taken by the Western marsh harrier (*Circus aeruginosus* (Linnaeus, 1758)).

POPULATION:
Structure and Density - Colonies range in size from individual and pairs of animals to up to 20 bats. This is a very common bat (Mickleburgh *et al.*, 2008s; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008s; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Krutzsch (2000: 94) reports that the testes are probably permanently scrotal in *N. hispida*, according to Matthews (1941). The specieis's reproductive cycle is polyoestrous with two or more (continuous) cycles per year, a postpartum oestrus and often no anoestrus. Matthews (1941) also noticed that copulation followed shortly after parturition.

In Burkina Faso, Kangoyé *et al.* (2015a: 615) captured females carrying young during the month of September.

PARASITES:
Protozoa
Kassahun *et al.* (2015: 168) examined one *N. hispida* specimen from Awash-Methara (Ethiopia) and found it infected by *Leishmania major* Friedlin.

ACARI
Trombiulidar: Vercammen-Grandjean and Fain (1958: 30) described *Trombigastia (Trombigastia) nycteris* from *N. hispida hispida* from the Astrida region (=Butare), Rwanda.

HEMIPTERA
Polyctenidae: *Eoctenes nycteridis* (Horváth, 1910) from Liberia, Congo, Ruanda-Urundi, Tanzania, Uganda and Eritrea (Haeselbarth *et al.*, 1966: 17).

SIPHONAPTERA
Ischnopsyllidae: *Lagaropsylla idea* Smit, 1957, primary host being molossids but recorded from this taxon (Haeselbarth *et al.*, 1966: 190).

VIRUSES:
Bunyaviridae
Hantavirus
Weiss *et al.* (2012b: 160) report the presence of a new hantavirus, named Magboi virus [MGBV], in one *N. hispda* specimen collected at the Magboi River, Gola National Park, Sierra Leone.

Coronaviridae - Coronaviruses
SARS-CoV - One fecal sample was tested by Pfefferle *et al.* (2009) in Ghana in February 2008, and this was found to be negative for coronavirus (CoV) RNA.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that the single specimen they examined from Ghana did not test positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

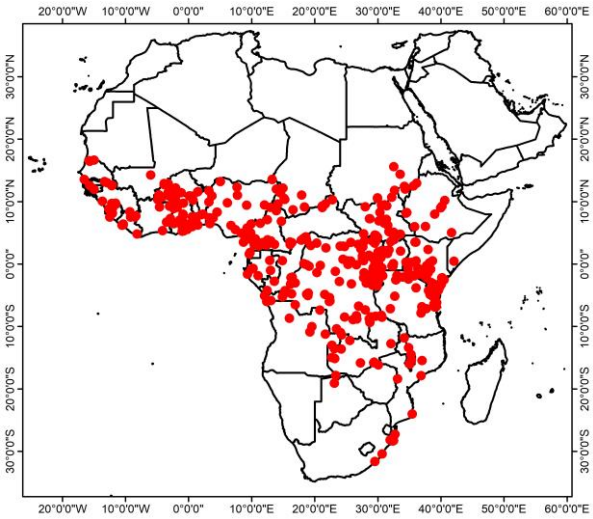

Figure 144. Distribution of *Nycteris hispida*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Malawi, Mali, Mauritania, Mozambique, Namibia, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

Nycteris intermedia Aellen, 1959

*1959. *Nycteris intermedia* Aellen, Archs Sci. Genève, 12 (2): 218. Type locality: Côte d'Ivoire: NW of Abidjan: Adiopodoumé [05 19 N 04 08 W, 0 - 30 m] [Goto Description]. Holotype: MHNG 923.094: ad ♀, skull and alcoholic. Collected by: Dr. Villy Aellen; collection date: 20 July 1953; original number: A1437. Paratype: MHNG 923.095: ad ♀, skull and alcoholic. Collected by: Dr. Villy Aellen; collection date: 24 July 1953; original number:

A1438. Paratype: MHNG 923.096: ad ♀, skull and alcoholic. Collected by: Dr. Villy Aellen; collection date: 19 August 1953; original number: A1439. Paratype: ad ♀; alcoholic and skull; Collector: Villy Aellen; Original number: Collection date:. Paratype: MHNG 923.097: ad ♀, skull and alcoholic. Collected by: Dr. Villy Aellen; collection date: 24 July 1953; original number: A1440. - Etymology: Referring to its intermediary size between *Nycteris arge* and *Nycteris nana*. (Current Combination)

TAXONOMY:
Formerly included in *N. arge*, but Van Cakenberghe and De Vree (1985) regard this as a distinct species (Simmons, 2005: 392).

COMMON NAMES:
Czech: rýhonos prostřední. English: Intermediate Slit-faced Bat. French: Nyctère d'Aellen, Nyctère moyen. German: Intermediäre Schlitznasenfledermaus, Intermediäre Schlitznasen-Fledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it occurs in some protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bh; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bh; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004bm; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
The species is threatened in parts of its range by deforestation including loss of roosting trees (Mickleburgh *et al.*, 2008bh; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bh) [in IUCN (2009)] report that there do not appear to be any direct conservation measures in place, however, the species has been recorded from some protected areas (e.g. Comoe National Park and Tai National Park both in Côte d'Ivoire). Further research is needed into the distribution, natural history and threats to this species.

GENERAL DISTRIBUTION:
Nycteris intermedia is broadly distributed in sub-Saharan Africa, ranging from Liberia in the west, to western Tanzania in the east, with records as far south as northeastern Angola. The species appears to be known from around 27 localities. It is typically a lowland species.

Native: Angola (Van Cakenberghe *et al.*, 1999; Simmons, 2005: 392; Monadjem *et al.*, 2010d: 547); Cameroon; Central African Republic (Lunde *et al.*, 2001: 537); Congo (The Democratic Republic of the); Côte d'Ivoire (Simmons, 2005: 392); Equatorial Guinea; Gabon; Ghana; Guinea (Denys *et al.*, 2013: 282); Liberia (Simmons, 2005: 392); Tanzania (Simmons, 2005: 392).

MOLECULAR BIOLOGY:
Denys *et al.* (2013: 282) report the karyotype for one female from the Guinean Mount Nimba area as: 2*n* = 34, NFa = 62, including 15 pairs of large to small metacentric and submetacentric chromosomes and one middle-sized acrocentric pair. The X chromosome is submetacentric.

POPULATION:
Structure and Density - This species appears to be relatively rare. It is usually found as small groups of animals (Mickleburgh *et al.*, 2008bh; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008bh; IUCN, 2009).

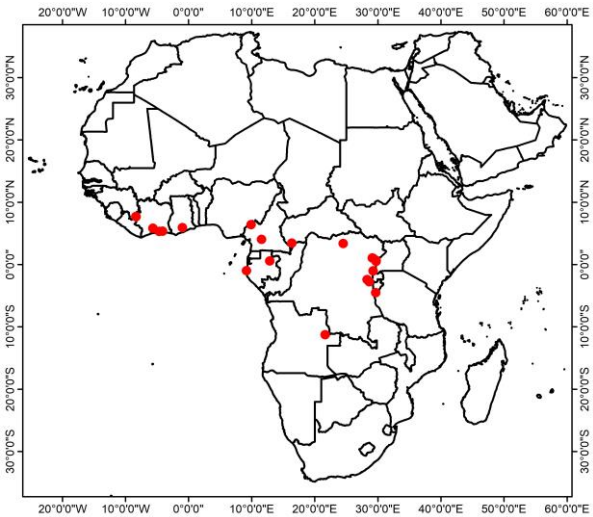

Figure 145. Distribution of *Nycteris intermedia*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Gabon, Ghana, Guinea, Liberia, Tanzania.

Nycteris macrotis Dobson, 1876

*1876. *Nycteris macrotis* Dobson, Monograph of the Asiatic Chiroptera and catalogue of the species of bats in the collection of the Indian Museum Calcutta, 80. Type locality: Sierra Leone: "Sierra Leone" [Goto Description]. Holotype: BMNH 1866.2.2.2: sad ♂, skull and alcoholic. - Etymology: From the Greeek adjective "*μακρός*" (macròs), meaning "long, large" and the neuter Greek substantive "*οὖς*" (genitive *ώu0964\ός*"; "*ûs*", "*ōtós*"), meaning "ear", although the ear of the species is not of especially outstanding size (see Lanza *et al.*, 2015: 244). (Current Combination)

1878. *Nycteris æthiopica* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, xxxviii, 162, 165, pl. 11, fig. 3. Publication date: June 1878. Type locality: Sudan: Kordofan province: Sennaar [15 35 N 33 38 E, 425 m] [Goto Description]. Holotype: BMNH 1847.5.27.32: ad, skin and skull. Collected by: Theodor Kotschy.

1901. *Nycteris aethiopica aethiopica:* Thomas, Ann. Mag. nat. Hist., ser. 7, 8 (43): 30.

1901. *Nycteris aethiopica luteola* Thomas, Ann. Mag. nat. Hist., ser. 7, 8 (43): 30. Publication date: 1 July 1901. Type locality: Kenya: Kitui [01 22 S 38 01 E, 3 500 ft] [Goto Description]. Holotype: BMNH 1901.5.6.4: ad ♀, skin and skull. Collected by: Dr. Sidney Langford Hinde; collection date: 14 February 1901.

1912. *Petalia aethiopica aethiopica:* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): ???.

1912. *Petalia aethiopica luteola:* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): ???.

1912. *Petalia macrotis:* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): ???. (Name Combination)

1917. *Nycteris major* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 427. - Comments: Not of Andersen (1912b).

1922. *Nycteris oriana* Kershaw, Ann. Mag. nat. Hist., ser. 9, 10 (56): 179. Publication date: 1 August 1922. Type locality: Malawi: Shiré valley: Chiromo [16 32 S 35 09 E, 60 m] [Goto Description]. Holotype: BMNH 1922.4.25.3: ad ♀, skin and skull. Collected by: Rodney C. Wood Esq. Collection date: 7 June 1918; original number: 312.

1923. *Nycteris luteola:* Loveridge, Proc. zool. Soc. Lond., 1923, II: 396.

1939. *Nycteris æthiopica guineensis* Monard, Arq. Mus. Bocage, 10: 66, fig. 4. Publication date: March 1939. Type locality: Guinea-Bissau: Mansoa [12 04 N 15 19 W] [Goto Description]. Syntype: [Unknown] ♂, alcoholic (skull not removed). Collected by: Dr. Albert Monard; collection date: 1937; original number: 284. Syntype: [Unknown] ♀, alcoholic (skull not removed). Collected by: Dr. Albert Monard; collection date: 1937; original number: 282. Syntype: MHNG 1326.005: ad ♂, skull and alcoholic. Collected by: Dr. Albert Monard; collection date: 14 December 1937; original number: 283. Syntype: NMBA 5271: ♂, alcoholic (skull not removed). Collected by: Dr. Albert Monard; collection date: 17 Decembre 1937; original number: 319. Syntype: RMCA 15310: ad ♀, alcoholic (skull not removed). Collected by: Dr. Albert Monard; collection date: 1937; original number: 285. - Comments: Monard (1939: 66) mentions a larger series: 282 (♀), 283 (♂), 284 (♂), 285 (♀), 319 (♂).

1939. *Nycteris æthiopica guineensis f. aurantiaca* Monard, Arq. Mus. Bocage, 10: 68. Publication date: March 1939. Type locality: Guinea-Bissau: Pitche [12 20 N 13 57 W] [Goto Description].

1942. *Nycteris aethiopica oriana:* G.M. Allen and Loveridge, Bull. Mus. comp. Zool., 89 (4): 150, 161.

1953. *Nycteris macrotis macrotis:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 54. (Name Combination)

1953. *Nycteris macrotis oriana:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 54. (Name Combination)

1960. *Nycteris macrotis luteola:* Harrison, J. East Afr. Nat. Hist. Soc., 23 (7) (104): 288. Publication date: December 1960. (Name Combination)

1969. *Nycteris macrotis aethiopica:* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 97. (Name Combination)

? *Nycteris aethiopica:* (Alternate Spelling)

? *Nycteris marcrotis oriana:* (Name Combination)

TAXONOMY:

Meester *et al.* (1986) indicate that both Koopman (1965, 1975, 1982) and Kock (1969a) included the extralimital [to southern Africa] *aethiopica* Dobson,

1878, and *luteola* Thomas, 1901, as subspecies in this species. While Hayman and Hill (1971) treat *macrotis* and *aethiopica* as separate species, they confirm that the distinction is by no means certain. *N. macrotis macrotis* Dobson, 1876 may include also *Plecotus aethiopicus* Fitzinger, 1866, from the White Nile, a *nomen nudum* (Kock, 1969a).
Kock (1969a) regards *oriana* as a synonym of the extralimital *luteola*, but Ansell (1978) and Smithers (1983) treat it as a separate subspecies.

Does not include *madagascariensis* Grandidier, 1937 (see Peterson *et al.*, 1995), or *vinsoni* Dalquest, 1965 (see Van Cakenberghe and De Vree, 1999a).

Simmons (2005: 393) recognises three subspecies - *aethiopica* Dobson, 1878; *luteola* Thomas, 1901; and *oriana* Kershaw, 1922.

COMMON NAMES:
Afrikaans: Groter spleetneusvlermuis. Czech: rýhonos velkouchý, nykteris velkouchá. English: Large-eared Slit-faced Bat, Greater Slit-faced Bat, Big-eared slit-faced bat. French: Nyctère de Dobson, Nyctère à grandes oreilles. German: Großohrige Schlitznasen-Fledermaus. Italian: Nitterìde di Dòbson; Nicterìde di Dobsòn.

ETYMOLOGY OF COMMON NAME:
Although the specific name *macrotis* is derived from the Greek "*makros*" and "*otis*" meaning large eared, the species' ears are in fact smaller than in species such as the Egyptian slit-faced bat (*N. thebaica*) (see Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008aa; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008aa; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004at; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
In general, there are no major threats to this species. In parts of its range it is threatened by general habitat loss, presumably mostly through the conversion of land to agricultural use (Mickleburgh *et al.*, 2008aa; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008aa) [in IUCN (2009)] report that in view of the species wide range it is presumably present in some protected areas. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Nycteris macrotis is a widespread African species which ranges from Senegal in the west, to Somalia in the east, being recorded as far south as northern Botswana. Found on the island of Zanzibar (Simmons, 2005: 392). It has been recorded between sea level and 2,200 m asl.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,466,326 km^2.

Native: Angola (Hayman, 1963; Van Cakenberghe and De Vree, 1985; Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 547); Benin (Capo-Chichi *et al.*, 2004: 162); Botswana (Monadjem *et al.*, 2010d: 547); Burkina Faso (Kangoyé *et al.*, 2015a: 616); Burundi; Cameroon; Central African Republic; Chad; Congo (Bates *et al.*, 2013: 336); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Gallagher and Harrison, 1977; Van Cakenberghe and De Vree, 1985; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 547); Côte d'Ivoire; Equatorial Guinea; Ethiopia (Simmons, 2005: 392); Gabon; Gambia (Emms and Barnett, 2005: 50; Simmons, 2005: 392); Ghana; Guinea; Guinea-Bissau (Seabra, 1900a; Monard, 1939; Rainho and Ranco, 2001: 44); Kenya; Liberia (Fahr, 2007a: 103); Malawi (Happold *et al.*, 1988; Van Cakenberghe and De Vree, 1985; Simmons, 2005: 392; Monadjem *et al.*, 2010d: 548); Mali (Meinig, 2000: 105); Mauritania (1st record: Benda *et al.*, 2011a: 267); Mozambique (Lopes and Crawford-Cabral, 1992; Simmons, 2005: 392; Monadjem *et al.*, 2010d: 548; Monadjem *et al.*, 2010c: 381); Niger; Nigeria; Rwanda; Senegal (Simmons, 2005: 392); Sierra Leone; Somalia; Sudan; Tanzania (including the island of Unguja [O'Brien, 2011: 289]); Togo; Uganda (Kityo and Kerbis, 1996: 60); Zambia (Ansell, 1967; Ansell, 1973; Ansell, 1978; Cotterill, 2002b: 6; Monadjem *et al.*, 2010d: 548); Zimbabwe (Simmons, 2005: 392; Monadjem *et al.*, 2010d: 548).

Presence uncertain: Namibia (Cotterill, 2004a: 261).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Fain (1953b: 102) reported on the exceptional yellowish-orange colour of some specimens from a cave near the Nyumba Mission (Rwanda). Other specimens from the save cave were uniformly orange or somewhat darker, or yellowish-brown with a few grey hairs, brownish-grey with orange-yellowish hairs, and brownish-grey with a pale belly without any yellowish or orange hairs. These

colour differences were not found to be linked with either the sexe or the age of the specimens

DETAILED MORPHOLOGY:
Baculum - The baculum ranges from 3.84 to 5.12 mm in length, the shaft is long, parallel-sided and usually straight, thickening towards the base, the base has two basal lobes of varying development, in lateral view it is sometimes angled ventrally, while the tip is expanded and trifid with three variably developed processes (Thomas *et al.*, 1994: 21).
Brain - Based on specimens from Bénin, Amrein *et al.* (2007) reported that proliferating cells, detected with Ki-67 and MCM2, in the subgranular layer of the dentate gyrus was found to be absent. Amrein *et al.* (2007) also reported moderate to ample proliferating cells (Ki-67 positive cells) and migrating young neurons (DCX positive cells) in the rostral migratory stream. Furthermore, Amrein *et al.* (2007) detected few DCX positive cells in the rostral migratory stream and the olfactory bulb. No NeuroD was detected in the hippocampal granule cells (Amrein *et al.*, 2007).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - There is no published male of this species (only a female), and so Lee *et al.* (1989) described the karyotype as having a diploid number of 2*n* = 40, aFN = 74, BA = 36, X = M, and suggested that the Y chromosome might be a small metacentric as in the other *Nycteris* species.
Protein / allozyme - Unknown.

HABITAT:
Monadjem *et al.* (2016y: 367) reported one specimen from the Mount Nimba area, which was recorded from a disturbed habitat close to a settlement at 500 m.

ROOST:
In the Parc National du 'W' in Niger Republic, 300 km west of Sokoto, they have been found roosting in thatched huts and others were found in abandoned mine shafts (Poché, 1975).
Stanley *et al.* (2007c: 60) refer to Koopman (1975), who mentions that *N. macrotis* is known to roost in burrows in the ground made by aardvarks (*Orycteropus afer*) or porcupines (*Hystrix cristata*).
Weber and Fahr (2006: 4) indicate that *N. macrotis* largely or exclusively depends on the availability of caves as day roosts in Guinea.

POPULATION:
Structure and Density - In the Parc National du 'W' in Niger Republic, 300 km west of Sokoto, they have been found roosting in groups of 10-20 individuals (Poché, 1975). Happold (1987) notes that they are solitary or live in small groups.
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008aa; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Krutzsch (2000: 115) indicates that most nycterid species (including *N. aethiopica* = *N. macrotis*) are polyoestrous with two or more (continuous) cycles per year, a postpartum oestrus and often no anoestrus. In the DRC and Rwanda, Anciaux de Faveaux (1978c) reported copulations in August and October.

Matthews (1937) [in Krutzsch (2000: 115)] noted that male *N. luteola* [= *N. macrotis*] collected at the time of post partum oestrus were reproductively functional. For the same "species", Martin and Bernard (2000: 32) reported that the corpus luteum is only present for the first half of pregnancy. Krutzsch (2000: 94) furthermore reports that the testes are probably permanently scrotal.

PARASITES:
HAEMOSPORIDA
Schaer *et al.* (2015: 381) found *Nycteria* sp. parasites in *N. macrotis* from South Sudan.

HEMIPTERA
Polyctenidae: *Eoctenes nycteridis* (Horváth, 1910) from Liberia, Congo, Ruanda-Urundi, Tanzania, Uganda and Eritrea (Haeselbarth *et al.*, 1966: 17).

DIPTERA
Streblidae: *Raymondi alulata* Speiser, 1908 from Angola, the Congo, Malawi and Somalia (Haeselbarth *et al.*, 1966: 102). *Raymondia scopigera* Jobling, 1954 in Cameroon (Haeselbarth *et al.*, 1966: 103, host referred to *N. aethiopica*), Senegal and Sierra Leone (Shapiro *et al.*, 2016: 255).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Sudan, Sudan, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

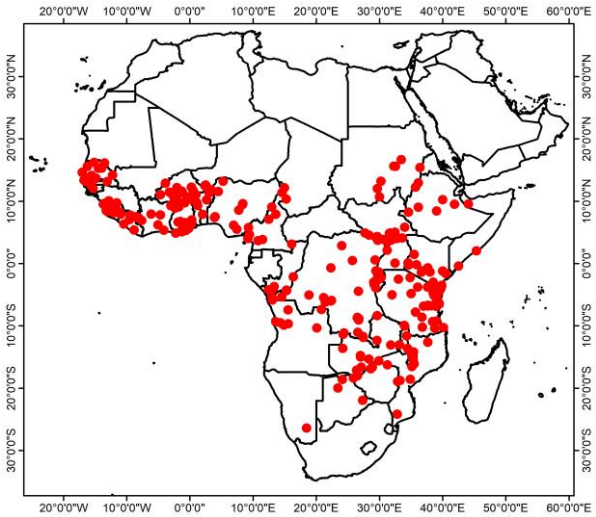

Figure 146. Distribution of *Nycteris macrotis*

Nycteris madagascariensis G. Grandidier, 1937

*1937. *Nycteris madagascariensis* G. Grandidier, Bull. Mus. natn. Hist. nat., Paris, sér. 2, 9: 353. Publication date: November 1937. Type locality: Madagascar: N of Diego-Suarez [=Antsiranana]: Rodo valley, N of Pirkana: Ankarana, near the [12 05 S 49 05 E] [Goto Description]. Holotype: MCZ 45433: ♀, skull and alcoholic. Collection date: June 1910. Formerly Grandidier collection; see Helgen and McFadden (2001: 142). Paratype: MCZ 45434: ad ♀, skull and alcoholic. Formerly Grandidier collection; see Helgen and McFadden (2001: 142). - Etymology: Referring to the island of Madagascar, where the species occurs. (Current Combination)

TAXONOMY:
Earlier included in *thebaica*, but considered a synonym of *macrotis* by Van Cakenberghe and De Vree (1985), Koopman (1993a: 162), but a valid species by Peterson *et al.* (1995: 63), Russ *et al.* (2001), Simmons (2005: 393).
macrotis species group (see Van Cakenberghe and De Vree, 1985).

COMMON NAMES:
Czech: rýhonos madagaskarský. English: Madagascar Slit-faced Bat. French: Nyctère de Madagascar, Chauve-souris malgache balafrée. German: Madagassische Schlitznasen-Fledermaus.

CONSERVATION STATUS:
Global - This species is listed as Data Deficient (DD ver 3.1 (2001)), as it is only known from two specimens from 1910 in the Irodo River Valley and has not been recorded since. Further extensive surveys are needed for this species, as well as knowledge on its distribution, biology, ecology, and any threats affecting it (Hutson *et al.*, 2008q; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Hutson *et al.*, 2008q; IUCN, 2009). 2000 - DD ver 2.3 (1994).

MAJOR THREATS:
The threats to this species are not known (Hutson *et al.*, 2008q; IUCN, 2009).

CONSERVATION ACTIONS:
Hutson *et al.* (2008q) [in IUCN (2009)] report that it is not known if the species is present in any protected areas. Further studies are needed into the distribution, abundance, natural history and threats to this species.

GENERAL DISTRIBUTION:
Nycteris madagascariensis is endemic to Madagascar where it is known only from two specimens caught in northern Madagascar near Analamera in the Irodo River Valley in 1910 (Peterson *et al.*, 1995).

Native: Madagascar (Peterson *et al.*, 1995; Simmons, 2005: 393).

POPULATION:
Structure and Density - It is known only from two specimens and has not been recorded since 1910

(Hutson *et al.*, 2008q; IUCN, 2009).
Trend - 2008 - Unknown (Hutson *et al.*, 2008q; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

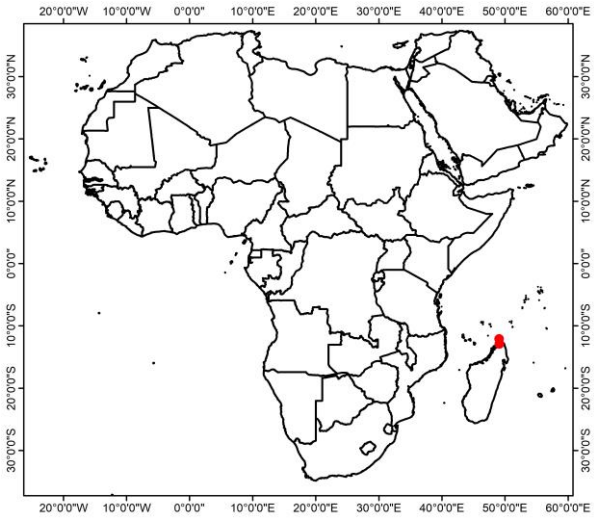

Figure 147. Distribution of *Nycteris madagascariensis*

Nycteris major (K. Andersen, 1912)

*1912. *Petalia major* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): 547. Publication date: 1 November 1912. Type locality: Cameroon: Ja River [ca. 03 00 N 13 00 E] [Goto Description]. Holotype: BMNH 1909.10.2.49: ad ♀, skull and alcoholic. Collected by: George Latimer Bates Esq. Collection date: 23 January 1906. - Etymology: From the Latin "*maior*" (see Kozhurina, 2002: 16).

1917. *Nycteris avakubia* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 426, fig. 3. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Avakubi [01 18 N 27 32 E] [Goto Description]. Holotype: AMNH 49403: ad ♂, skull and alcoholic. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: September 1913; original number: 2623.

1917. *Nycteris major:* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 427. Publication date: 29 September 1917. - Comments: The specimens assigned to this species by Allen (1917), however, belong to *Nycteris macrotis* (see Koopman, 1965). (Name Combination, Current Combination)

TAXONOMY:
Includes *avakubia* J.A. Allen, 1917 (see Koopman, 1965; Van Cakenberghe and De Vree, 1985; Simmons, 2005: 393).

arge species group (Van Cakenberghe and De Vree, 1985; Simmons, 2005: 393).

COMMON NAMES:
Czech: rýhonos kamerunský. English: Ja Slit-faced Bat, Dja Slit-faced Bat; Large Slit-faced Bat. French: Nyctère de Ja. German: Dja-Schlitzenasenfledermaus, Dja Schlitznasen-Fledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence in Central Africa, natural history, and threats. If the species is found to range more widely in Central Africa it is likely to meet the criteria for Least Concern, as the extent and quality of its habitat are probably not declining at a rate sufficient to justify listing in a higher category (Mickleburgh *et al.*, 2008bi; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2008bi; IUCN, 2009). 2004 - VU A4c ver 3.1 (2001) (Mickleburgh *et al.*, 2004cg; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
The species appears to need rather large trees, and is presumably threatened by deforestation resulting from logging activities and the conversion of forest to agricultural use (Mickleburgh *et al.*, 2008bi; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bi) [in IUCN (2009)] report that although there appear to be no direct conservation measures in place, it has been recorded from the Tai National Park in Côte d'Ivoire. Further studies are needed into the

distribution, natural history and threats to this somewhat enigmatic species. There is a need to monitor to presence of this species at its known localities.

GENERAL DISTRIBUTION:
Nycteris major is distributed in West and Central Africa, where it has been patchily recorded from Guinea, Liberia (at Voinjama) and Côte d'Ivoire in the west, and from Cameroon and the Democratic Republic of the Congo in Central Africa (at Avakubi), with the southern-most record from northern Zambia (close to the border with the Democratic Republic of the Congo).

Native: Benin (Capo-Chichi *et al.*, 2004: 162); Cameroon (Simmons, 2005: 393); Central African Republic; Congo (The Democratic Republic of the) (Simmons, 2005: 393); Côte d'Ivoire (Simmons, 2005: 393); Guinea; Liberia (Simmons, 2005: 393); Zambia (Van Cakenberghe and De Vree, 1985; Simmons, 2005: 393; Monadjem *et al.*, 2010d: 548).

POPULATION:
Structure and Density - This appears to be an extremely rare species, which is only known from a dozen or so specimens. It is not difficult to catch and efforts have been made to locate more specimens (Mickleburgh *et al.*, 2008bi; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008bi; IUCN, 2009).

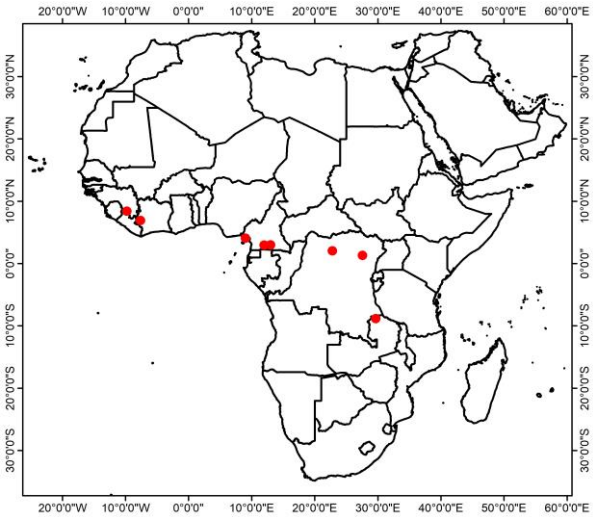

Figure 148. Distribution of *Nycteris major*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo (Democratic Republic of the), Côte d'Ivoire, Liberia, Zambia.

Nycteris nana (K. Andersen, 1912)

*1912. *Petalia nana* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): 547. Publication date: 1 November 1912. Type locality: Congo: [Rio Muni ?] Benito River [ca. 01 31 N 09 52 E] [Goto Description]. Holotype: BMNH 1900.2.5.46: ad ♂, skull and alcoholic. Collected by: George Latimer Bates Esq.
1926. *Nycteris nana:* Cabrera and Ruxton, Ann. Mag. nat. Hist., ser. 9, 17: xxx. (Name Combination, Current Combination)
1936. *Nycteris nana tristis* G.M. Allen and Lawrence, Bull. Mus. comp. Zool., 79 (3): 47. Publication date: 30 January 1936. Type locality: Kenya: W Nyanza: Kakamega district: Kaimosi [00 08 N 34 51 E, 2 130 m] [Goto Description]. Holotype: MCZ 31156: ad ♀, skin and skull. Collected by: Professor Arthur Loveridge; collection date: 13 February 1934. See Helgen and McFadden (2001: 142). (Name Combination)
1939. *Nycteris nana nana:* G.M. Allen, Bull. Mus. comp. Zool., 83: 70. (Name Combination)

TAXONOMY:
Includes *tristis* Allen and Lawrence, 1936 (Koopman, 1975; Van Cakenberghe and De Vree, 1985; Simmons, 2005: 393).

arge species group (Van Cakenberghe and De Vree, 1985; Simmons, 2005: 393).

COMMON NAMES:
Czech: rýhonos drobný. English: Dwarf Slit-faced Bat. French: Nyctère naine. German: Kleinste Schlitznasen-Fledermaus, Zwerg-Schlitznasenfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bj; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bj; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004cc; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are poorly known, but it seems likely to be locally threatened by deforestation in parts of its range (Mickleburgh *et al.*, 2008bj; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bj) [in IUCN (2009)] report that it is not known if the species is present within any protected areas. Further studies are needed into the distribution, general ecology and threats to this species.

GENERAL DISTRIBUTION:
Nycteris nana has been widely recorded in West and Central Africa, with some records from East Africa. It ranges from Côte d'Ivoire and Ghana in the west, through south Cameroon and Equatorial Guinea (Rio Muni), to the Democratic Republic of the Congo, Rwanda and Burundi, to Uganda and western Kenya. It ranges as far south as northern Angola. Generally, a lowland species, but can be found up to 2,100 m asl.

A record from Tanzania, represents *intermedia* (J. Fahr *pers. comm.* in Simmons, 2005: 393).

Native: Angola (Crawford-Cabral, 1989; Simmons, 2005: 393; Monadjem *et al.*, 2010d: 548); Cameroon; Central African Republic; Congo (The Democratic Republic of the) (Van Cakenberghe and De Vree, 1985; Monadjem *et al.*, 2010d: 548); Côte d'Ivoire (Simmons, 2005: 393); Equatorial Guinea (Simmons, 2005: 393); Ghana; Kenya (Simmons, 2005: 393); Rwanda; Sudan (Simmons, 2005: 393); Togo; Uganda.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Verschuren (1955) reported on an albino specimen caught in a hollow tree in the DRC.

DETAILED MORPHOLOGY:
Baculum - The baculum ranges from 2.10 to 3.36 mm in length, smaller than that of *N. arge*, the shaft is slender, parallel-sided and essentially straight, the base is expanded and rounded and in lateral profile is often angled ventrally, while the tip is simple, with only a small expansion (Thomas *et al.*, 1994: 20).

POPULATION:
Structure and Density - It is considered to be a rather rare bat, colony sizes tend to be small (Mickleburgh *et al.*, 2008bj; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008bj; IUCN, 2009).

PARASITES:
HAEMOSPORIDA
Schaer *et al.* (2015: 381) found *Nycteria* cf. *houini* in *N. nana* from South Sudan. Perkins and Schaer (2016: Suppl.) mentioned the parasite as *Nycterida houini* Rosin, Landau and Hugot, 1978, and also reported it from the Republic of Congo and Gabon.

VIRUSES:
Reoviridae
Orbivirus
Fomede virus - reported in the CDC's Arbovirus Catalogue, to have been isolated in 1978 from the Republic of Guinea, from the brain and internal organs of *N.* cf. *nana*. Reported by de Jong *et al.* (2011: 11).
Chobar Gorge virus was mentioned by Luis *et al.* (2013: Suppl.) and Willoughby *et al.* (2017: Suppl.).

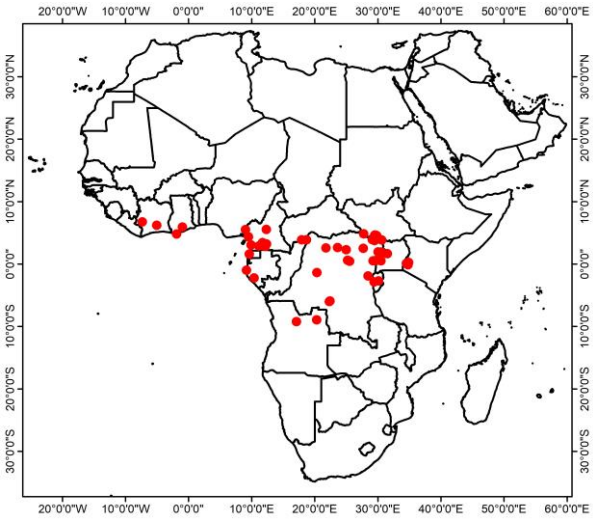

Figure 149. Distribution of *Nycteris nana*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Burundi, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Kenya, South Sudan, Uganda.

Nycteris parisii (de Beaux, 1924)

*1924. *Petalia parisii* de Beaux, Atti Soc. ital. Sci. nat., 62: 254 (for 1923). Publication date: February 1924. Type locality: Somalia: Balli [=Ballei Uen] [00 42 N 43 04 E] [Goto Description]. Holotype: [Unknown] N 1449: ♀, skull and alcoholic. Collection date: 6 April 1922. See De Beaux (1924: 254), Allen (1939a: 70). - Etymology: In honour of Dr. Bruno Parisi, former head of the zoological section (1921 - 1927) and director (1928 - 1951) of

the Museo Civico di Storia Naturale di Milano (see De Beaux, 1924: 255; Lanza *et al.*, 2015: 250).

1930. *Nycteris parisii:* Zammarano, Le colonie Italiane, ???. (Name Combination, Current Combination)
1952. *Nycteris benuensis* Aellen, Mém. Soc. neuchât. Sci. nat., 8: 53. Type locality: Cameroon: Rei Bouba [ca. 08 37 N 14 09 E] [Goto Description].
1971. *N[ycteris] p[arisii] benuensis:* Hayman and Hill, Mammals of Africa: Chiroptera, 18. (Name Combination)
1971. *N[ycteris] p[arisii] parisii:* Hayman and Hill, Mammals of Africa: Chiroptera, 18. (Name Combination)
2015. *[Nycteris] parissi:* Kaipf, Rudolphi and Meinig, NABU - Biodiversity Assessment in Kafa, Ethiopia, 13. (Lapsus)

TAXONOMY:
Included in *woodi* by Van Cakenberghe and De Vree (1985), Koopman (1993a: 162). Thomas *et al.* (1994: 22) elevated it to species rank (Simmons, 2005: 393).

Rosevear (1965: 173) included *N. parisii* in the *aethiopica* group. Included in the *macrotis* group (Simmons (2005: 393) based on Thomas *et al.* (1994: 22) being closely related to *N. macrotis*.

Simmons (2005: 393) recognises one subspecies *benuensis* Aellen, 1952.

COMMON NAMES:
Czech: rýhonos somálský. English: Parisi's Slit-faced Bat, Balli Slit-faced Bat, Parissi's Slit-faced Bat. French: Nyctère de Parisi. German: Parisis Schlitznasen-Fledermaus. Italian: Nitterìde di Parìsi, Nicterìde di Parìsi.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence, ecological requirements, threats and conservation status (Mickleburgh *et al.*, 2008ap; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2008ap; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2004bf; IUCN, 2004).

MAJOR THREATS:
The threats to this species are not known (Mickleburgh *et al.*, 2008ap; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ap) [in IUCN (2009)] report that it is not known if the species is present within any protected areas. Further studies are needed into the distribution, abundance, general ecology and threats to this species.

GENERAL DISTRIBUTION:
Nycteris parisii has been recorded from southern Somalia, south Ethiopia and from northern Cameroon, close the border with Nigeria. It is a low elevation species.

Nycteris parisii parisii may be distributed in East Africa and *N. p. benuensis* in West Africa.

Native: Cameroon (Aellen, 1952; Simmons, 2005: 393); Ethiopia (Hill, 1975; Simmons, 2005: 393); Somalia (Varty and Hill, 1988; Simmons, 2005: 393); Togo? (Amori *et al.*, 2016: 217).

DETAILED MORPHOLOGY:
Baculum - The shaft is long, parallel-sided and essentially straight, thickening towards the base, the base is expanded, in lateral profile it is angled ventrally, while the tip is expanded and trifid with three variably developed processes (Thomas *et al.*, 1994: 21).

POPULATION:
Structure and Density - The abundance of this species is not known, and only a few specimens have ever been collected. It was last recorded in the 1980s. Presumably this is a consequence of limited survey effort within the species known range (Mickleburgh *et al.*, 2008ap; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008ap; IUCN, 2009).

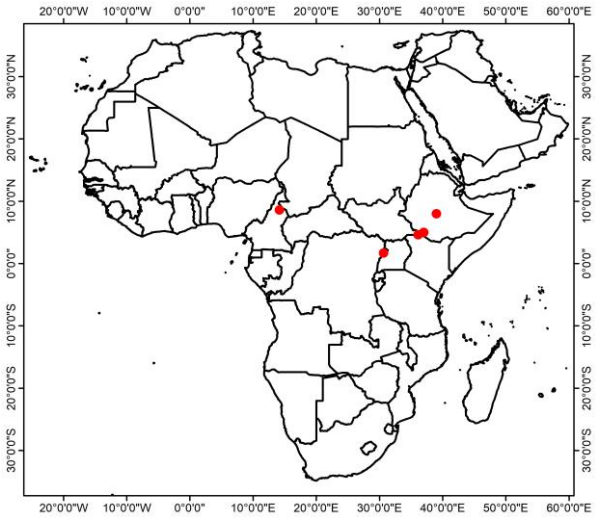

Figure 150. Distribution of *Nycteris parisii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Cameroon, Congo (Democratic Republic of the), Ethiopia, Somalia.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818

*1818. *Nycteris Thebaicus* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 119, pl. 1, No 2. Publication date: 1818. Type locality: Egypt: Qena province: Thebes (near Luxor) [ca.25 41 N 32 39 E] [Goto Description]. Holotype: MNHN 889: ad ♀, skin only. Collected by: Etienne Geoffroy-Saint-Hilaire. Number 172 in Rode (1941: 235), who also mentioned number MNHN 142. - Etymology: From the masculine Latin adjective *thebàicus*, meaning "native or belonging to Thebes", the ancient capital of Upper Egypt, on the site of modern Luxor, the type locality of the species (see Lanza *et al.*, 2015: 254). (Current Combination)

1820. *Nycteris Geoffroyi* Desmarest, Encyclopédie Méthodique, (Zoologie, Mammalogie), 1: 127. Publication date: 1820. Type locality: Senegal: 40 mi (= 60 km) east of Podor [Goto Description]. - Comments: Included in *macrotis* by Kock (1969a: 93) [although with a question mark] and Meester *et al.* (1986: 35).

1829. *Nycteris affinis* A. Smith, Zool. Journ., 4 (16): 434. Publication date: May 1829. Type locality: South Africa: E Cape province: Grahamstown [33 17 S 26 31 E] [Goto Description]. - Comments: Type locality originally as "South Africa", restricted to "Grahamstown, eastern Cape Province, South Africa" by Roberts (1951: 69): see Kock (1969a: 98), Meester *et al.* (1986: 35), Gray *et al.* (1999: 2).

1829. *Nycteris Capensis* A. Smith, Zool. Journ., 4 (16): 434. Publication date: May 1829. Type locality: South Africa: SW Cape province: Swellidam [34 01 S 20 26 E] [Goto Description]. Lectotype: BMNH 1863.2.21.6: ad ♂, skin only. Collected by: A. Smith. Paralectotype: RMNH MAM.J1888-171b: ad, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters. - Comments: The type locality was originally mentioned as "Interior of South Africa, as well as upon the Eastern Coase", and restricted to "Swellidam, SW Cape Province, South Africa" by Roberts (1951: 69): see Kock (1969a: 98), Meester *et al.* (1986: 35), Gray *et al.* (1999: 2). Ansell and Dowsett (1988: 31) mention the locality as "Swellendam"). Considered a valid subspecies by Taylor (1998: 33).

1834. *Nycteris thebaica:* A. Smith, S. Afr. Quart. J., 2: 59. (Current Spelling)

1840. *N[ycteris] albiventer* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 1: 439. Type locality: Sudan: Northern province: Dongola [19 10 N 30 27 E] [Goto Description]. - Comments: Type locality originally given as "Nubia" (see Kock, 1969a: 98), restricted to Dongola, Northern Province, Sudan by Koopman (1975): see Gray *et al.* (1999: 2).

1840. *N[ycteris] discolor* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 1: 440. Type locality: South Africa: Ecklon [Goto Description]. - Comments: Allen (1939a: 68) mentioned the type locality as "Südspitze von Afrika". Kock (1969a: 98), Meester *et al.* (1986: 35) mention "Southern tip of Africa; Knysna, fide Roberts (1951: 69).").

1852. *Nycteris fuliginosa* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie,

Säugethiere, 46, pl. 10. Publication date: 1852. Type locality: Mozambique: 12 mi (19 km) NW Quellimane: Boror [17 53 S 36 51 E] [Goto Description]. Syntype: BMNH 1858.6.18.15: ad ♀. See Turni and Kock (2008: 27). Syntype: BMNH 1907.1.1.337: ad ♀, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters. See Turni and Kock (2008: 27). Syntype: ZMB 392: ad ♂, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: March 1846. See Turni and Kock (2008: 27). Syntype: ZMB 3954: ad ♂, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: March 1846. See Turni and Kock (2008: 27). Syntype: ZMB 562: ad ♀, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: March 1846. See Turni and Kock (2008: 27). - Comments: Turni and Kock (2008: 27) refer to Jentink (1888b: 171) in mentioning an additional syntype, which is possibly in the RMNH.

1861. *Nycteris labiata* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 29 (8): 4, 5. Publication date: 1861. Type locality: Eritrea: Bogos: Cheren [=Keren] [ca. 15 45 N 38 20 E] [Goto Description]. Syntype: SMNS 980a: ad ♂, alcoholic (skull not removed). Collected by: Martin Theodor von Heuglin; collection date: 1861. see Dieterlen *et al.* (2013: 294). Syntype: SMNS 980b: sad ♂, alcoholic (skull not removed). Collected by: Martin Theodor von Heuglin; collection date: 1861. see: Dieterlen *et al.* (2013: 294). Syntype: ZMB 2794a: ♂. Collected by: Martin Theodor von Heuglin; collection date: 1852. Formerly SMNS, see Turni and Kock (2008). Syntype: ZMB 2794b: ♂. Collected by: Martin Theodor von Heuglin; collection date: 1852. Syntype ex SMNS, see Turni and Kock (2008: 27). Paralectotype: RMNH MAM.27231: ad, skin and skull. Collected by: Martin Theodor von Heuglin; collection date: November 1861. See Turni and Kock (2008: 27). Turni (pers. comm., 12.04.2007) indicates that this specimen is possibly a syntype, but its collecting date (November 1861) is very close to the publication date. Turni and Kock (2008: 27) mention three additional syntypes: SMNS 980a-b, and one presumably in the RMNH (for the latter, they refer to Jentink, 1888b: 171).

1866. *Plecotus æthiopicus* Heuglin and Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 54 (1) 10: 546. Type locality: Sudan: Bahr el Abiat (White Nile) [ca. 14 00 N 33 00 E] [Goto Description]. - Comments: Meester *et al.* (1986: 35) mention Fitzinger only as author. Nomen nudum (see Allen, 1939a: 68). Included in *macrotis* by Kock (1969a: 93), but rejected as nomen nudum.

1868. *Nycteris Geoffroyi Var. Senegalensis* Hartmann, Z. Gesel. f. Erdk., 3 (28/29): 44. Type locality: Sudan: Sennaar [15 35 N 33 38 E, 425 m] [Goto Description].

1871. *Nycteris angolensis* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 903 , fig. 5 (for 1870). Type locality: Angola: Biballe and Rio Coroca: Caconda [13 42 S 15 05 E, 1 900 m] [Goto Description]. Syntype: BMNH 1879.1.21.2:. Syntype: ZMB 3633: juv ♂, skull and alcoholic. From Rio Corvea, Angola; ex Lisbon Museum; see Turni and Kock (2008). Syntype: ZMB 3637: ♂, skull and alcoholic. Collected by: José Alberto de Oliveira Anchieta. Ex Lisbon Museum; this specimen was collected at Caconda, Biballe (see Turni and Kock (2008)). Peters (1871: 904) mentions Anchieta as collector for the type specimen. - Comments: Type locality restricted by Hill and Carter (1941): see Gray *et al.* (1999: 2). The publication covers a meeting held on 22 December 1870.

1871. *Nycteris damarensis* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 905, fig. 7 (for 1870). Type locality: Namibia: Damaraland: Otjimbingue [22 15 S 16 10 E] [Goto Description]. Syntype: BMNH 1838.2.8.4: ad, skin and skull. Collected by: Captain Alexander; original number: 1079. Syntype: NRM. See Turni and Kock (2008: 27). Syntype: ZMB 3298: ♂, skull and alcoholic. Collected by: Missionary Hahn. See Turni and Kock (2008: 27). Syntype: ZMB 3887: ad ♂, skull and alcoholic. Collected by: Higgins. See Turni and Kock (2008: 27) [missing]. - Comments: Part of the original series is in the NRM (see Turni and Kock (2008: 27). The publication covers a meeting held on 22 December 1870. Peters (1871: 905) also mentions that the name *damarensis* was already used in the British Museum and in the Catalogue of Mammalia from 1843.

1881. *Nycteris Revoilii* Robin, Bull. Soc. Philom. Paris, (7) 5: 90. Type locality: Somalia: north of 10 ° N [Goto Description]. Holotype: MNHN ZM-MO-1881-4 (174): ad ♂, alcoholic (skull not removed). Collected by: Revoil. Paratype: MNHN ZM-MO-1881-1 (174a): ad ♂. Collected by: Revoil. Paratype: MNHN ZM-MO-1881-3 (174b): ad ♂. Collected by: Revoil. Cotype: MCZ 14929: ♀, alcoholic (skull not removed). Collected by: Revoil. - Comments: Type locality originally "Somalia", restricted to "Somalia, north of 10 °N" by Moreau *et al.* (1946: 399): see Gray *et al.* (1999: 2). Allen (1931: 235) mentions a "cotype" in MCZ (14929), collected by Revoil in Somaliland in 1880.

1900. *Nycteris thebaica var. angolensis:* Seabra, J. Sci. mat. phys. nat., ser 2, 6 (22): 18. (Name Combination)
1900. *Nycteris thebaica var. damarensis:* Seabra, J. Sci. mat. phys. nat., ser 2, 6 (22): 19. (Name Combination)
1900. *Nycteris thebaica var. Fuliginosa:* Seabra, J. Sci. mat. phys. nat., ser 2, 6 (22): 18. (Name Combination)
1904. *Nycteris thebaica capensis:* Trouessart, Catalogus Mammalium tam viventium quam fossilium, supplement, ???. (Name Combination)
1908. *Petalia capensis:* Thomas and Wroughton, Proc. zool. Soc. Lond., ???.
1909. *Nycteris capensis var. fuluginosa:* Seabra, Ann. Scient. Acad. Politecn. Porto, 4: ???.
1910. *Petalia thebaica:* Thomas, Ann. Mag. nat. Hist., ser. 8, 6: ???. (Name Combination)
1911. *Petalia revoili:* G.M. Allen, Bull. Mus. comp. Zool., 54 (9): 322.
1912. *Petalia damarensis brockmani* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): 548. Publication date: 1 November 1912. Type locality: Somalia: Upper Sheikh [4 300 ft] [Goto Description]. Holotype: BMNH 1910.3.27.4: ad ♀, skin and skull. Collected by: Dr. Ralph Evelyn Drake-Brockman; collection date: 11 January 1910.
1912. *Petalia damarensis damarensis:* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): ???.
1912. *Petalia damarensis media* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): 548. Publication date: 1 November 1912. Type locality: Ethiopia: Harar province: Harer [09 18 N 42 08 E, 2 000 m] [Goto Description]. Holotype: BMNH 1912.2.28.1: ad, skin and skull. Collected by: G. Kristensen; collection date: 19 January 1912. Presented/Donated by: Nathanial Charles Rothschild.
1912. *Petalia thebaica thebaica:* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 10 (59): ???. (Name Combination)
1918. *Nycteris thebaica thebaica:* Wettstein, Denkschr. k. Akad. Wiss. Wien, Math.-Naturw. Kl., 94: ???. (Name Combination)
1923. *Petalia (Nycteris) thebaica aurantiaca* de Beaux, Atti Soc. ital. Sci. nat., 62: 91. Publication date: July 1923. Type locality: Kenya: Northern Guaso Nyiro: Archer's Post [00 39 N 37 41 E, 2 000 ft] [Goto Description]. Holotype: [Unknown] N 1432: ♀, skull and alcoholic. Collected by: L. Franchetti and L. Tonker; collection date: January 1920.
1933. *Nycteris damarensis damarensis:* G.M. Allen and Loveridge, Bull. Mus. comp. Zool., 75: ???.
1934. *Nycteris capensis capensis:* Shortridge, Mammals of South West Africa, 55. (Name Combination)
1934. *Nycteris capensis damarensis:* Shortridge, Mammals of South West Africa, 56.
1934. *P[etalia (Nycteris)] theb[aica] adana:* de Beaux, Atti Soc. ital. Sci. nat., 62: 93. (Name Combination)
1936. *Nycteris damarensis brockmani:* G.M. Allen and Lawrence, Bull. Mus. comp. Zool., 79 (3): 35, 49.
1936. *Nycteris thebaica revoili:* G.M. Allen and Lawrence, Bull. Mus. comp. Zool., 79 (3): 35, 49. (Name Combination)
1938. *Nycteris thebaica aurantiaca:* Frechkop, Exploration du Parc national Albert, Fasc. 10: ???. (Name Combination)
1939. *Nycteris damarensis media:* G.M. Allen, Bull. Mus. comp. Zool., 83: 69.
1944. *Nycteris thebaica albiventer:* Aharoni, Bull. Zool. Soc. Egypt, 6: 26. (Name Combination)
1956. *Nycteris thebaica brockmani:* Toschi, Atti Soc. ital. Sci. nat., 95: ???. (Name Combination)
1971. *Nycteris thebaica labiata:* Hill and Morris, Bull. Br. Mus. (nat. Hist.) Zool., 21 (2): 34. (Name Combination)
1975. *Nycteris thebiaca:* Koopman, Bull. Am. Mus. Nat. Hist., 154 (4): 379. - Comments: Lapsus (actually Koopman uses this name consequently in this publication). (Lapsus)
1998. *Nyteris angolensis:* Van Cakenberghe and De Vree, Bonn. zool. Beitr., 48 (2): 140. Publication date: October 1998. (Lapsus)
1998. *Nyteris thebaica:* Van Cakenberghe and De Vree, Bonn. zool. Beitr., 48 (2): 123. Publication date: October 1998. (Name Combination, Lapsus)
1999. *Nycteris thabaica labiata:* Van Cakenberghe and De Vree, Bonn. zool. Beitr., 48 (2): 147. (Lapsus)
? *Nycteris capensis:*
? *Nycteris thebaica angolensis:* (Name Combination)
? *Nycteris thebaica damarensis:* (Name Combination)
? *Nycteris thebaica revoilii:* (Alternate Spelling)

TAXONOMY:

Figure 151. *Nycteris thebaica* (SMG-15760) caught at Marloth Park, Mpumalanga, South Africa.

Meester *et al.* (1986) state that the subspecies classification of *thebaica* is uncertain. Hayman and Hill (1971), while acknowledging that the species may include valid subspecies, do not attempt to recognize any. Kock (1969a), however, lists seven subspecies, and Koopman (1975), while not providing a complete synonymy of the species, appears to come to broadly similar conclusions to Kock concerning those names that he does consider. Simmons (2005: 393) recognises seven subspecies - *adana* K. Andersen, 1912; *angolensis* Peters, 1870; *brockmani* K. Andersen, 1912; *capensis* A. Smith, 1829; *damarensis* Peters, 1870; *labiata* Heuglin, 1861; and *najdiya* Nader and Kock, 1982.

Van Cakenberghe and De Vree (1999a) suggest that the status of *brockmani* and *damarensis* remains unclear as these forms may represent distinct species (Harrison and Bates, 1991; Gray *et al.*, 1999).

thebaica species group (Van Cakenberghe and De Vree, 1999a; Simmons, 2005: 393).

COMMON NAMES:
Afrikaans: Gewone-spleetneusvlermuis, Egiptiese spleetneusvlermuis, Kaapse Langoorvlermuis. Arabian: Khafash Teiba. Czech: rýhonos egyptský, šerowec tébský, dutonosec, netopýr koptový, nykteris egyptská. Dutch: Thebaanse spleetneusvleermuis. English: Egyptian Slit-faced Bat, Common Slit-faced Bat, Geoffroy's Nycteris, Cape Long-eared Bat. French: Nyctère de la Thébaïde, Nyctère égyptienne. German: Großohrhohlnase, Ägyptische Schlitznasen-Fledermaus, Stirngrubenfledermaus. Italian: Nitterìde tebàna, Nicterìde tebàna, Nitterìde di Tèbe, Nicterìde di Tèbe. Portuguese: Morcego orelhudo do Egipto. Kiluba (DRC): Kasusu. Spanish (Castillian): Rinolofo egipcio. Yao: Liputiputi (applied to all small bats).

ETYMOLOGY OF COMMON NAME:
So named because they were first described from tombs in Thebes, Egypt (see Taylor, 2005).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
N. thebaica was found in upper Pleistocene samples at Border Cave, South Africa (Avery, 1991: 6).

Butler (1984: 185) reported on a distal end of a humerus found at Chamtwara (Kenya).

CONSERVATION STATUS:
Global - This species has a large range and faces no major threats, hence is listed as Least Concern LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bk; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bk; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004ce; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016d). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
Habitat destruction and degradation affect the species. Roost disturbance and degradation are the main threats in the Mediterranean region. These are not considered major threats at present (Mickleburgh *et al.*, 2008bk; IUCN, 2009).

In the Limpopo province, South Africa, Toussaint and McKechnie (2012: 1138) indicate that the cool baobab tree cavities appear to be critical for the presence of *N. thebaica* in that area and may buffer this species from future increases in extreme maximum ambient temperatures.
Aerial hawking and water stress are believed to be the major risk factors linked to climatic change (Sherwin *et al.*, 2012: 174).

Collinson *et al.* (2015: 311) report on two roadkills in the Greater Mapungubwe Transfrontier Conservation Area (GMTFCA), South Africa.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bk) [in IUCN (2009)] report

that it may occur within some protected areas. No specific conservation measures are known. Protection of the roost sites is required and also legal protection of the species should be improved. Further research is required on the population size and trends.

GENERAL DISTRIBUTION:
Nycteris thebaica is broadly distributed across savanna and riparian zones. Mostly found in sub-Saharan Africa; also found in Morocco, Libya, Egypt (primarily down the Nile River valley, but also into Sinai) and the Middle East (Israel, Palestine and Jordan). Recorded form the islands of Unguja [=Zanzibar] and Pemba [see Simmons (2005: 393), although not from the latter by O'Brien (2011: 289)]. Elevation from sea level to 2,000 m.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,704,632 km^2 (covering 27 % of the total surface). In South Africa, its distribution is mainly affected by the mimimum temperature of the coldest month (Babiker Salata, 2012: 49).

Corbet (1984: 8) states that the inclusion of Corfu (Greece) in the range could be the result of a vagrant specimen from N Africa (for details see Van Cakenberghe and De Vree, 1999a).

Native: Angola (Crawford-Cabral, 1989; Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 548); Benin (Simmons, 2005: 393); Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 548); Burkina Faso (Simmons, 2005: 393; Kangoyé *et al.*, 2015a: 617); Burundi; Cameroon; Central African Republic; Chad; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 548); Côte d'Ivoire; Djibouti (Pearch *et al.*, 2001: 397; Simmons, 2005: 393); Egypt (Simmons, 2005: 393); Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 133); Gambia; Ghana (Simmons, 2005: 393); Guinea (Konstantinov *et al.*, 2000: 144; Simmons, 2005: 393; Decher *et al.*, 2016: 264); Guinea-Bissau; Israel (Simmons, 2005: 393); Jordan (Al-Omari *et al.*, 2000: 5); Kenya (Simmons, 2005: 393); Libyan Arab Jamahiriya; Malawi (Ansell and Dowsett, 1988: 31; Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 548); Mali (Simmons, 2005: 393); Morocco (Simmons, 2005: 393; Benda *et al.*, 2010a: 157; El Ibrahimi and Rguibi Idrissi, 2015: 358); Mozambique (Smithers and Lobão Tello, 1976; Lopes and Crawford-Cabral, 1992; Monadjem *et al.*, 2010d: 548; Monadjem *et al.*, 2010c: 382); Namibia; Niger (Simmons, 2005: 393; Monadjem *et al.*, 2010d: 548); Nigeria (Simmons, 2005: 393); Palestinian Territory, Occupied; Rwanda; Saudi Arabia; Senegal (Simmons, 2005: 393); Sierra Leone; Somalia (Simmons, 2005: 393); South Africa (Simmons, 2005: 393; Monadjem *et al.*, 2010d: 549); Sudan; Swaziland (Monadjem, 2001, Monadjem, 2006b; Simmons, 2005: 393; Monadjem *et al.*, 2010d: 549); Tanzania (Stanley and Goodman, 2011: 43); Togo (Amori *et al.*, 2016: 218); Uganda (Kityo and Kerbis, 1996: 60); Yemen; Zambia (Ansell, 1969; Ansell, 1973; Ansell, 1978; Ansell, 1986; Monadjem *et al.*, 2010d: 549); Zimbabwe (Monadjem *et al.*, 2010d: 550).

Presence uncertain: Lebanon; Lesotho; Liberia; Mauritania.

Bates *et al.* (2013: 338) reject the presence of *N. thebaica* in the Republic of Congo as the locality (Kemo) mentioned by Pousargues (1896: 259) and Van Cakenberghe and De Vree (1999a: 143) is actually located in the Central African Republic.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Schoeman and Jacobs (2002: 157) mention the following wing parameters for 8 specimens from the Algeria Forestry Station (RSA): Fa: 48.2 ± 0.8 mm, Wing area: 155.4 ± 7.4 cm^2, Wing span: 28.7 ± 1.1 cm, Wing loading: 8.3 ± 0.9 N/m^2, and aspect ratio: 5.3 ± 0.3.

Four piebald (all-white fur/skin patches, eyes always normally coloured) specimens were reported from a mine in Tanzania (Howell, 1980; Lucati and López-Baucells, 2016: Suppl.).

DETAILED MORPHOLOGY:
Baculum - The baculum ranges from 2.49 to 2.97 mm in length, the shaft is slender and parallel-sided, the base is expanded, in lateral profile it is usually angled ventrally, while the tip is simple with a small expansion (Thomas *et al.*, 1994: 22).

Brain - From specimens collected in Bénin, Amrein *et al.* (2007) reported that proliferating cells, detected with Ki-67 and MCM2, in the subgranular layer of the dentate gyrus was found to be absent. Amrein *et al.* (2007) also reported moderate to ample proliferating cells (Ki-67 positive cells) and migrating young neurons (DCX positive cells) in the rostral migratory stream. Amrein *et al.* (2007) could not detect any antigen in the antibody against DCX, and no NeuroD was detected in the hippocampal granule cells.

Reproduction system - Carter and Enders (2016: 284) found that *N. thebaica* has an extensive smooth chorioallantois, and its luminal epithelium is incomplete.

FUNCTIONAL MORPHOLOGY:
Zhuang *et al.* (2012: 1) showed that the pit in the noseleaf of *Nycteris thebaica* has an effect on

focusing the acoustic near field as well as shaping the radiation patterns and therefore enhancing the directionality.

Toussaint *et al.* (2012) investigated the patterns of heterothermy exhibited by *N. thebaica* during the austral winter in a tropical semi-arid environment. They expected that it would use pronounced heterothermy during the warm, dry winter months, but found this not to be the case. As possible reasons for this, they suggest the relatively high risk of predation, the communal roosting, the species' reproduction cycle (although they find this highly unlikely as the results for both sexes were similar), and the relatively long nightly foraging period.

SEXUAL DIMORPHISM:
In Swaziland, Monadjem (2001: 49) found that females were heavier and had longer forearms than males.

ECHOLOCATION:
Schoeman and Waddington (2011: 291) mention a peak frequency of 90.3 ± 0.7 kHz and a duration of 1.7 ± 0.1 msec for specimens from Durban, South Africa. Davies *et al.* (2013b: Table S8) report a peak frequency of 88.23 kHz and a range between 55.97 and 75.5 kHz. However, also in the Durban area, Naidoo *et al.* (2011: 23) mention a peak frequency of 65.8 ± 20.1 kHz, and a duration of 1.7 ± 1.0 msec. From the Algeria Forestry Station (RSA), Schoeman and Jacobs (2002: 157) report the type of call to be "Low duty echolocation dominated by frequency modulated calls", with F_{peak}: 77.4 ± 2.7 kHz, and a low intensity.

Although very common in their study area in Swaziland, Monadjem *et al.* (2017c: 181) were unable to detect this species using an Anabat Express Detector due to its whispering (low db) calls. Even at distances of 0.1 m, they could not detect a call.

For Morocco, Disca *et al.* (2014: 226) recorded the following information: call type: FM multi H, F_{start}: 137.0 ± 1.2 kHz, F_{end}: 19.6 ± 0.5 kHz, F_{peak}: 84.5 ± 3.9 kHz, $F_{max\ all\ harmonics}$: 27.9 ± 0.2 kHz, $F_{max\ first\ harmonic}$: 56.1 ± 0.7 kHz, $F_{max\ third\ harmonic}$: 105.4 ± 3.2 kHz, bandwidth: 117.4 ± 1.5 kHz, duration: 2.4 ± 0.3 msec. This information is based on one single sequence they were not able to identify in hand.

Hackett *et al.* (2016: 223) reported the following values for 13 calls from Israel: Pulse duration: 1.35 ± 0.13 msec, F_{start}: 78.45 ± 3.08 kHz, F_{end}: 63.20 ± 1.99 kHz, F_{peak}: 70.18 ± 2.00 kHz.

MOLECULAR BIOLOGY:
DNA - Unknown.

Karyotype - Both Peterson and Nagorsen (1975) and Rautenbach *et al.* (1993) reported 2*n* = 42, FN = 78, BA = 38, with a submetacentric X chromosome, and a metacentric Y chromosome.
Protein / allozyme - Unknown.

HABITAT:
This species has a wide distribution and is found in most habitats throughout its range.

Cooper-Bohannon *et al.* (2016: Table S2) indicate that - in southern Africa - it occurs primarily in Savanna (63 %) areas, followed by SW arid (18 %) and Afromontane (10 %) habitats.

Based on the study of stable isotope ratios of carbon, nitrogen and hydrogen, Voigt *et al.* (2013: 755) suggest that *N. thebaica* might potentially be a migratory bat species, as far as elevational migration along the slopes of Mount Kilimandjaro is concerned. However, they also point out that the very low wing loading and aspect ratio is atypical for a migratory species, and therefore still categorize it as a sedentary species. Foord *et al.* (2018: 5), furthermore, indicate that *N. thebaica* moves less than one km per night between its roost and foraging sides.

HABITS:
In Swaziland male *N. thebaica* exhibit less roost site fidelity than females: there is greater roost movement in males than females (Monadjem, 2006b).
Stanley *et al.* (2007b: 209) report on a specimen in a Victor Rat trap, because it probably chased insects attracted to the bait used in the trap.

Thomas and Jacobs (2013: 125) found that, at De Hoop Nature Reserve (South Africa), *N. thebaica* emerged significantly earlier during mid-summer than during early and late summer. They also reported that bats feeding on Lepidoptera (*N. thebaica* and *Rhinolophus capensis*) emerged earlier than bats feeding on Diptera (*Tadarida aegyptiaca*).

ROOST:
Roosting in caves, mine audits and various other hollow sites (Churchill *et al.*, 1997), road culverts (Monadjem, 1998a; 2001; 2006b), under houses (LaVal and LaVal, 1980; Seamark and Bogdanowicz, 2002). Avery *et al.* (1990: 7) indicate that cool and moist caves or cave-like structures are used as daytime roosts.

In Swaziland, Monadjem *et al.* (2015: 15) found that roost switching occurs frequently, with more transitions to roosts where large numbers of bats were staying. They also found that moving to another roost was related to the distance of the

new roost from the original one.

MIGRATION:
The species is not known to undergo migration (Monadjem, 2006a), and Laycock (1973) and Wingate (1983) suggest that *N. thebaica* does not have any homing ability. Monadjem (2006b) states that bat numbers vary greatly with season, suggesting that some movement is taking place. Monadjem (2006b) also reported that a banded female in Swaziland was discovered 107 km from where it was originally banded.

DIET:
Casual observations in Israel (Makin, 1979), Sudan (McLellan, 1986) and Namibia (Felten, 1956) reported that scorpions formed a stable part of *N. thebaica* diet. Yerbury and Thomas, 1895) examined cull-parts in Arabia, identifying various species of Orthoptera. Whereas Chapman (1958, in Tanzania), Roer (1975, in Namibia), and LaVal and LaVal (1980, in South Africa) found that Orthoptera, Lepidoptera, and Coleoptera were the primary prey orders consumed by *N. thebaica*. LaVal and LaVal (1980) presented results for early autumn (April), mid-winter (July), spring (November), and summer (January to March), listing a monthly breakdown of all prey orders consumed and finding that Orthoptera predominated in the study. In Zimbabwe, Fenton (1975) combined the results of his wet season collection (November 1969 to March 1970), finding only Orthoptera and Lepidoptera wings. Fenton *et al.* (1977a) and Fenton and Thomas (1980) examined the faeces of *N. thebaica* in Zimbabwe, and found that in the wet season (January and February 1976) Lepidoptera, Diptera and Coleoptera formed the bats' diet, while in the dry season (June 1977) he found only Lepidoptera (100 percent volume). In Zambia, Whitaker and Black (1976) examined the stomach contents of 33 *N. thebaica* which they separated into summer (November to March) and winter (May to September) categories. They found similar prey orders in *N. thebaica* diet, but also found many wingless insects.
At Farm Laatstgevonden, South Africa, Taylor *et al.* (2012b: 62) found the following prey groups: Lepidoptera (31.5 %), Coleoptera (24.75 %), Hemiptera (19.5 %), Orthoptera (12.75 %), and other (11.5 %).
Bowie *et al.* (1999) at Mkuzi Game Reserve, KwaZulu Natal, South Africa, found that the diet consisted mainly of non-volant prey, primarily orthopterans and arachnids.
Feldman *et al.* (2000), in Israel, found they fed on Lepidoptera and Diptera.
Seamark and Bogdanowicz (2002) showed that prey eaten by *N. thebaica* varies significantly by order but not by season, and there was a significant interaction between the prey category and season, suggesting that these two factors are not independent from each other. Coleoptera (49.6 %) in the culled parts, (calculated as percent composition) dominated in spring (September-November), Orthoptera (38.8 %) in summer (December-February), Hemiptera (42.8 %) in autumn (March-May) and Lepidoptera (36.3 %) in winter (June-August). The diet also included a frog and small fish.

From the Algeria Forestry Station (RSA) Schoeman and Jacobs (2002: 157) reported the following prey groups based on 51 faecal pellets from 8 bats (in volume percent): Lepidoptera (34.9 ± 27.3), Orthoptera (23.5 ± 19.6), Coleoptera (21.3 ± 17.6), Arachnida (13.5 ± 27.4), Diptera (3.8 ± 10.6), Hymenoptera (1.6 ± 4.6), and Hemiptera (1.5 ± 4.5).

Using Next Generation Sequencing (NGS), (Taylor *et al.* (2017b: 243, 252 - 254) reported on the 28 food items found in faecal pellets in the Limpopo province (RSA): Lepidoptera (occurred in 100 % of analysed pellets - *Toxocampinae tathorhynchus* + *Eutelia polychorda* + *Acanthovalva inconspicuaria* + *Isturgia roraria* + *Scopula rufisalsa* + *Hyblaea puera* + *Sena* sp. + *Sena prompta* + *Enmonodia capensis* + *Leucania BioLep10* + *Pandesma robusta* + *Pericyma atrifusa* + *Argyrogrammatini* sp. + *Thysanoplusia indicator* + *Tycomarptes* sp. + *Garella nilotica* + *Maurilia arcuata* + *Phycitinae* sp. + *Arotrura JFL201* + unmatched), Blattodea (50 % - *Pycnoscelus* + unmatched), Orthoptera (33 %), Coleoptera (17 % - *Cybister tripunctatus* + unmatched); Hemiptera (17 % - *Macrorhaphis acuta* + *Nezara viridula*); Orthoptera (Tettigoninae sp.).

PREDATORS:
Perrin (1982: 16) and Avery *et al.* (2005: 1054) found this species in pellets from *Tyto alba* in South Africa.

Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure - Monadjem (2001: 50) mentions that sex ratio was highly skewed with adult females outnumbering adult males by 2.8:1, even though the sex ratio of juveniles was 1:1. Sex ratios of adults varied seasonally, being highly skewed in July/August, October and December. Monadjem (2001: 50) suggests that this might be due to the females being resident and males joining them in late summer to mate.

Density - Fairly common through most of its range.

However, an uncommon species in the Mediterranean region. In Morocco only three small colonies (usually 10 to 30 and occasionally up to 100 individuals) are known (Stéphane Aulagnier *pers. comm.* 2007 in Mickleburgh *et al.*, 2008bk; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008bk; IUCN, 2009).

LIFESPAN:
In Swaziland, Monadjem (2006b) found that for both males and females, survivorship was low in the first year, but increased thereafter. While 15 % of females and 10 % of males banded as juveniles in 1998 and 1999 survived to three years of age. Monadjem (2006a) reported the age of *N. thebaica* in Swaziland to reach at least 7 to 8 years. Monadjem *et al.* (2015) studied the effect of time, age and sex class and climatic variables on survival from 1450 marked individuals from 16 roosts over a 10-year period. They found that the annual survival rate was highest in adult males and lowest in juvenile females. Climatological factors did not seem to have an influence.

ACTIVITY AND BEHAVIOUR:
Female *N. thebaica* in Swaziland appear to be resident year-round in the culverts, which suggests that males join females in late summer for the purpose of mating (Monadjem, 2001).
Lindeque (1987) describes the inflight behaviour of mating, where the active pursuit of the female by the male bat can be equated to courtship phase, with the butting phase inducing the female bat to hover and allowing the male to copulate, the brief frontal approach and head-neck biting by the male could be relict of some incomplete behaviour sequence.

Korine *et al.* (2015: 5) mention that the activity of *N. thebaica* could be underestimated because of the whispering nature of its echolocation calls.

REPRODUCTION AND ONTOGENY:
Martin and Bernard (2000: 32) mention that the corpus luteum is only present for the first half of pregnancy, and is subsequently completely regressed (Badwaik and Rasweiler, 2000: 276).

Bernard (1982a) [in Krutzsch (2000: 114)] indicated that this species is monoestrous in the subtropical, temperate regions of South Africa with a longer than usual gestation of five months and a three-month anoestrus. Male and female cycles are synchronized; spermatogenesis commences in late summer and the
epididymides contain mature sperm from autumn to summer (see Bernard, 1976).

A pregnant female was collected on 22 July 1992 in the West Usambara Mountains (Tanzania) (Stanley and Goodman, 2011: 43).

MATING:
Mating system is not known (Monadjem, 2001).

PARASITES:
BACTERIA
Four out of 49 specimens tested at Mlawula (Swaziland) by Dietrich *et al.* (2016b: 3) tested positive for *Bartonella* and one was positive for *Rickettsia*.
Dietrich *et al.* (2016a: 4) found *Leptospira* in the urine of a bat from South Africa, and *Coxiella* in its faeces. For the RSA, these bacteria were further identified as *Leptospira borgpetersenii*, whereas in bats from Swaziland sequences belonging to *L. interrogans* were found.

FUNGI
Brennan *et al.* (2015: 145) found no antibodies against *Pseudogymnoascus destructans* (White-nose syndrome) in blood samples from bats from Botswana.

HAEMOSPORIDA
Schaer *et al.* (2015: 381) found *Nycteria* sp. parasites in *N. thebaica* from South Sudan. Garnham and Heisch (1953: 357) described *Nycteria medusiformis* from a "*Nycteris capensis*".

NEMATODA
Spiruridae: An infection by *Spirura nycterisi* Khalil, 1975 in Tanzania was reported by Peralta-Rodríguez *et al.* (2012: 1006).

DIPTERA
Streblidae: *Raymondia alulata* Speiser, 1908, for which *N. thebaica* is the typical host, occurs in many parts of southern Africa from the Cape northwards to the Kaokoveld in Namibia and eastwards to Bukawayo in Zimbabwe (Haeselbarth *et al.*, 1966: 102). Shapiro *et al.* (2016: 249) reported it for the first time from Swaziland. *Raymondia hardyi* Fiedler, 1954 from South Africa (Shapiro *et al.*, 2016: 254). *Raymondia planiceps* Jobling, 1930 (Haeselbarth *et al.*, 1966: 102). *Raymondia seminuda* Jobling, 1954 from southern Botswana (Haeselbarth *et al.*, 1966: 103; Shapiro *et al.*, 2016: 255).
Nycteribiidae: *Nycteribia scissa rhodesiensis* Theodor, 1957 from Zimbabwe and Malawi (Haeselbarth *et al.*, 1966: 108). *Penicillidia fulvida* (Bigot, 1885) (Haeselbarth *et al.*, 1966: 114).

SIPHONAPTERA
Pulicidae: *Echidnophaga aethiops* Jordan and Rothschild, 1906 described from Klipfontein, Namaqualand, South Africa and also found in Namibia, Botswana, Tanzania, Kenya and

Somalia (Haeselbarth *et al.*, 1966: 135).
Ischnopsyllidae: *Oxparius isomalus* (Waterston, 1915) locality not stated (Haeselbarth *et al.*, 1966: 188).

ACARI
Laelapidae: *Metaspinolaelaps aelleni* Till ([May] 1958) was described from *Nycteris thebaica capensis* from Zululand. Till (1960: 223) suggests that this possibly might be a synonym of *Bewsiella fledermaus* Domrow, [March] 1958, but this view doesn't seem to be followed (e.g. https://en.wiki2.org/wiki/Metaspinolaelaps).
Trombiculidae: Vercammen-Grandjean and Fain (1958: 24) mention the presence of *Trombigasta (Trombigastia) mounti* (Radford, 1954) on "*N. capensis damarensis*" in Asmara, Eritrea.

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera in six individuals from Limpopo Province, South Africa, none were tested positive (0/6).

Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that one out of twelve examined South African *N. thebaica* specimens tested positive for *Paramyxovirus* sequences.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Duvenhage Virus: In, 1986 Foggin (1988) recovered the Duvenhage (DUVV) virus from a *Nycteris thebaica* in Zimbabwe (see Paweska *et al.*, 2006; Hayman *et al.*, 2011a: 88; van Eeden *et al.*, 2011: 67). Markotter *et al.* (2013: 1000) report on antibodies for DUVV that were recovered from bats from Swaziland.
Rabies: Oelofsen and Smith (1993) tested 12 individual brains, from three localities by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

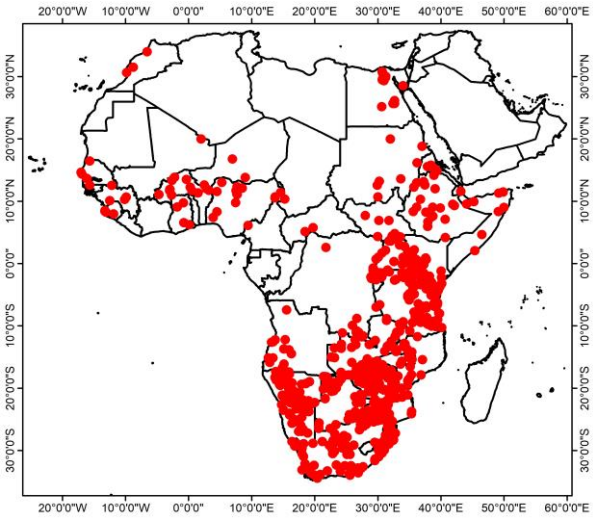

Figure 152. Distribution of *Nycteris thebaica*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Congo (Democratic Republic of the), Djibouti, Egypt, Eritrea, Ethiopia, Ghana, Guinea, Kenya, Malawi, Mali, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, The Gambia, Uganda, Zambia, Zimbabwe.

Nycteris vinsoni Dalquest, 1965

*1965. *Nycteris vinsoni* Dalquest, J. Mamm., 46 (2): 254, 256. Publication date: May 1965. Type locality: Mozambique: 212 km SSW Beira, S bank Save river: Zinave [21 26 S 33 52 E] [Goto Description]. Holotype: KU 105221: ad ♀, skin and skull. Collected by: Prof. Dr. Walter Woelberg Dalquest; collection date: 8 October 1963; original number: MWUC 18739. See Jones and Genoways (1969: 130). - Etymology: In honour of J. Vinson, who sponsored an expedition to Mozambique during which the first specimens were collected (see Dalquest, 1965; Taylor, 2005). (Current Combination)

TAXONOMY:
Bronner *et al.* (2003) state that is was originally described from Mozambique (Dalquest, 1965). Kock (1969a) considered *Nycteris vinsoni* a synonym of *N. macrotis luteola*, based on the size and position of the second lower premolar. Hayman and Hill (1971) suggest that *N. vinsoni* is a variant of *N. aethiopica*, itself considered a member of the *N. macrotis* group (Koopman, 1965; Kock, 1969a). Koopman (1975) argued that the size and position of the second lower premolar is extremely variable, and instead recognised *vinsoni* as a distinct species closely related to *N. thebaica*, based on the presence of a pyriform tragus (and see Koopman, 1982). He later concluded that the tragus of the holotype is actually semilunate and therefore synonymised *vinsoni* under *N. macrotis oriana* (Koopman, 1992, 1993a). Swanepoel *et al.* (1980),Meester *et al.* (1986), Corbet and Hill (1992) and Simmons (2005: 394) retained *vinsoni* as a distinct species, a treatment endorsed by limited morphometric comparisons (Van

Cakenberghe and De Vree, 1999a).

thebaica species group (Van Cakenberghe and De Vree, 1999a; Simmons, 2005: 394).

COMMON NAMES:
Afrikaans: Vinson se spleetneusvlermuis. Czech: rýhonos mosambický. English: Vinson's Slit-faced Bat, Mozambian Slit-faced Bat. French: Nyctère de Vinson, Nyctère du Mozambique. German: Vinsons Schlitznasen-Fledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient in view of the absence of recent information on its extent of occurrence, ecological requirements, threats and conservation status (Mickleburgh *et al.*, 2008aq; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2008aq; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2004be; IUCN, 2004). 2000 - LR/lc (Hilton-Taylor, 2000); CR (IUCN, 2000). 1996 - CR [assessed as *Nycteris macrotis*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are not known (Mickleburgh *et al.*, 2008aq; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008aq) [in IUCN (2009)] report that the collection locality appears to be within Zinave National Park, Mozambique. Further studies are needed to better determine the geographic range, natural history and possible threats to this poorly known bat.

GENERAL DISTRIBUTION:
Nycteris vinsoni is known only from the type locality of "the south bank of the Save River, 212 km SSW Beira, Mozambique" (Dalquest, 1965).

Native: Mozambique (Dalquest, 1965; Simmons, 2005: 394).

POPULATION:
Structure and Density - It is known only from the type series of two animals (Mickleburgh *et al.*, 2008aq; IUCN, 2009).
Trend - Unknown (Mickleburgh *et al.*, 2008aq; IUCN, 2009).

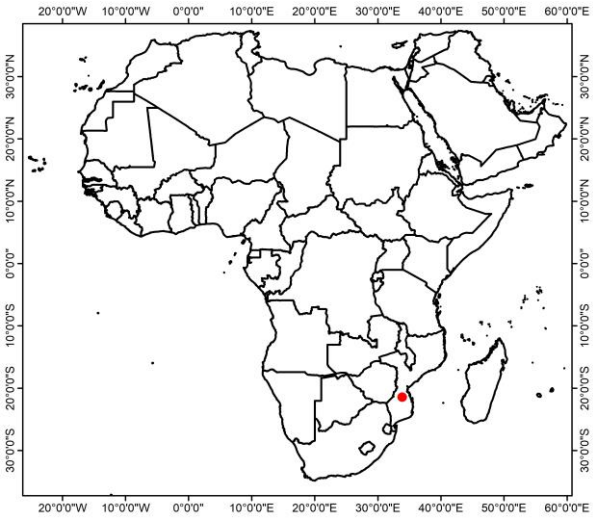

Figure 153. Distribution of *Nycteris vinsoni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Mozambique.

Nycteris woodi K. Andersen, 1914

*1914. *Nycteris woodi* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 13 (78): 563. Publication date: 1 June 1914. Type locality: Zambia: Chilanga [15 33 S 28 11 E, 4 100 ft] [Goto Description]. Holotype: BMNH 1914.4.22.2: ad, skin and skull. Collected by: Rodney C. Wood Esq. Collection date: November 1913. - Etymology: In honour of Rodney C. Wood, a well-known naturalist, who collected the original specimens at Chilanga, near Lusaka, Zambia (see Smithers, 1983: 118; Taylor, 2005). (Current Combination)
1946. *Nycteris woodi sabiensis* Roberts, Ann. Transv. Mus., 20 (4): 304. Type locality: Zimbabwe: Melsetter district: Sabi River: Birchenough Bridge [19 54 S 32 14 E] [Goto Description]. Holotype: TM 8578: ad ♀, skin and skull. Collected by: A.G. White; collection date: 11 January 1938. (Name Combination)
1946. *Nycteris woodi woodi:* Roberts, Ann. Transv. Mus., 20 (4): 304. (Name Combination)

TAXONOMY:
Van Cakenberghe and De Vree (1985) included *parisii* and *benuensis*. Thomas *et al.* (1994) elevated *parisii* to full species rank, followed by Simmons (2005: 393), who included *benuensis* as a subspecies of *parisii*.

Simmons (2005: 394) recognised one subspecies *sabiensis* Roberts, 1946.

COMMON NAMES:
Afrikaans: Wood se spleetneusvlermuis, Wood-spleetneusvlermuis, Woodse Langoorvlermuis. Czech: rýhonos jihoafrický. English: Wood's Slit-

faced Bat, Wood's Long-eared Bat. French: Nyctère de Wood. German: Woods Schlitznasen-Fledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it occurs in some protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008ab; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008ab; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004ap; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - NT B1ab(ii,iii,iv, v) ver 3.1 (2001) (Schoeman *et al.*, 2016b). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
It is possibly locally threatened in parts of its range by habitat loss (particularly through conversion of land to cotton farming), pesticide use, and disturbance of roosting sites (Mickleburgh *et al.*, 2008ab; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ab) [in IUCN (2009)] report that it has been recorded from some protected areas (e.g. Kruger National Park, South Africa). Additional studies are needed into the distribution, natural history and possible threats to this poorly known species.

GENERAL DISTRIBUTION:
Nycteris woodi has been recorded from Zimbabwe, South Africa, to Zambia, north-west Mozambique and Malawi. It may range into southwestern Tanzania, however, it has yet to be recorded in this country. It is generally a lowland species. South of 8° S, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 308,190 km^2.

Native: Malawi (Happold *et al.*, 1988; Ansell and Dowsett, 1988: 30; Monadjem *et al.*, 2010d: 550); Mozambique (Simmons, 2005: 394; Monadjem *et al.*, 2010d: 550); South Africa (Simmons, 2005: 394; Monadjem *et al.*, 2010d: 550); Zambia (Ansell, 1967; Ansell, 1986; Simmons, 2005: 394; Monadjem *et al.*, 2010d: 550); Zimbabwe (Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 550).
Presence uncertain: Tanzania (Simmons, 2005: 394).

DETAILED MORPHOLOGY:
Baculum - The baculum ranges from 2.49 to 2.73 mm in length, the shaft is straight and parallel-sided, the base is expanded, in lateral profile it is angled ventrally, while the tip is simple and unexpanded, unlike *N. macrotis* and *N. parisii* (Thomas *et al.*, 1994:21).

ECHOLOCATION:
See Taylor (1999b).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 42, FN = 78, BA = 38, a metacentric X chromosome, and an acrocentric Y chromosome, for a specimen from South Africa.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - The abundance of this species is not well known. It has been recorded in colonies of a few dozen individuals, otherwise animals have been recorded individually (Mickleburgh *et al.*, 2008ab; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008ab; IUCN, 2009).

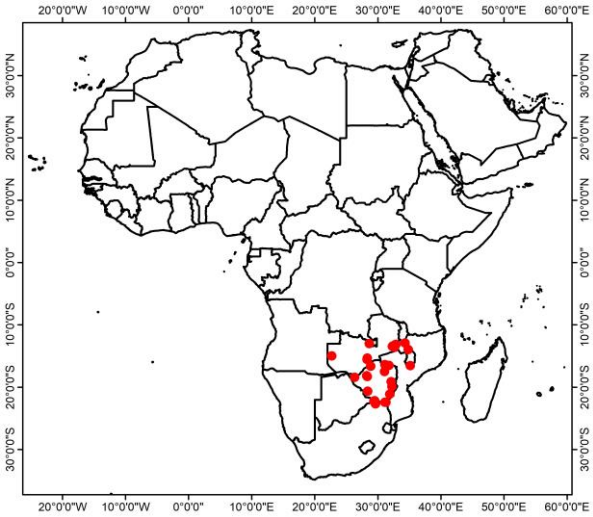

Figure 154. Distribution of *Nycteris woodi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Malawi, Mozambique, South Africa, Tanzania, Zambia, Zimbabwe.

INFRAORDER VESPERTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007

*2007. *VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, African Chiroptera Report. Publication date: July 2007. - Comments: The name of the Infraorder is based on *Vespertilio* Linnaeus, 1758 (type of VESPERTILIONIDAE Gray, 1821). (Current Combination)
? *Yangochiroptera*

TAXONOMY:
Currently two superfamily is known from within the Infraorder VESPERTILIONIFORMACEI for Africa: **MOLOSSOIDEA** Gervais, 1856; **VESPERTILIONOIDEA** Gray, 1821.

COMMON NAMES:
Czech: netop ýrotva ří, netopýři.

Superfamily MOLOSSOIDEA Gervais, 1856

*1856. *Molossoidae* Gervais. (Current Combination)
1998. *Molossoidea:* Simmons, Interfamilian relationships in bats, ???.

Family MOLOSSIDAE Gervais, 1856

*1856. *Molossidae* Gervais, in: F. Comte de Castelnau, Exped. Partes Cen. Am. Sud., Zool, (Sec. 7), Vol. 1, pt. 2 (Mammifères): 53 footnote. Publication date: 23 July 1856. - Comments: Type genus: *Molossus* E. Geoffroy St. Hillaire, 1805. - Etymology: The name of the family is derived from the Greek "*molossus*", a kind of dog used by Greek shepherds, in ancient times (see Taylor, 2005). (Current Combination)
1865. *Molossi* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, p. 258. - Comments: See Taylor (1934).
1866. *Molossina* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 93. Publication date: 1 February 1866. - Comments: Possibly synonym for Molossinae.
1889. *Gymnuridae* Ameghino, Actas Acad. Nac. Ciencias, Argentine e Cordoba, p. 351. - Comments: See Taylor (1934).

TAXONOMY:
Koopman (1993a: 232) mentioned Gervais, 1856, whereas Corbet and Hill (1992: 156) and Peterson *et al.* (1995: 142) mentioned Gill 1872: 17 as author for this family.

Revised by Freeman (1981b). For a very different arrangement see Legendre (1984). See also Lamb *et al.* (2011).

Pavlinov *et al.* (1995: 90) recognise two subfamilies: Cheiromelinae and Tadaridinae.

Most recent authors (Hoofer and Van Den Bussche, 2003: 2; Simmons, 2005; Lamb *et al.*, 2011: 1) accept that the Molossidae consists of two subfamilies: Molossinae and Tomopeatinae. The latter subfamily used to be assigned to the Vespertilionidae, but Hoofer and Van Den Bussche (2003: 2) clearly indicate that this subfamily belongs to the Molossidae. Representatives of this subfamily only occur in South America and are therefore not included here.

Based on 102 morphological characters from the skull, dentition, postcrania, external morphology, tongue, and penis, Gregorin and Cirranello (2015: 2) distinguish two clades within the Molossidae, both of which include taxa from the Old and the New World: One clade is comprised of *Mormopterus, Platymops, Sauromys, Neoplatymops, Molossops, Cynomops, Cheiromeles, Molossus*, and *Promops*, whereas the second includes *Tadarida, Otomops, Nyctinomops, Eumops, Chaerephon*, and *Mops*. The relation of *Myopterus* to these two clades remains unclear. They also found that genera

such as *Tadarida, Chaerephon* and *Molossops sensu lato* do not appear to be monophyletic.

Ammerman *et al.* (2012: 12) distinguish 16 - 17 genera, including 110 species worldwide.

Known genera within the family MOLOSSIDAE: *Tomopeas* Miller, 1900; ***Chaerephon*** Dobson, 1874; *Cheiromeles* Horsefield, 1824; *Cynomops* Thomas,1920; *Eumops* Miller, 1906; *Molossops* Peters, 1866; *Molossus* E. Geoffroy, 1805; ***Mops*** Lesson, 1842; ***Mormopterus*** Peters, 1865; ***Myopterus*** E. Geoffroy, 1818; *Nyctinomops* Miller, 1902; ***Otomops*** Thomas, 1913; ***Platymops*** Thomas, 1906; *Promops* Gervais, 1856; ***Sauromys*** Roberts, 1917; ***Tadarida*** Rafinesque, 1814.

COMMON NAMES:
Czech: morousovití, netopýři buldočí, tadaridovití. Dutch: Buldogvleermuizen. English: Free-tailed Bats, Wrinkled-lipped Bats, Bulldog Bats, Mastiff Bats, Bonneted Bats, Wolf-dog Bats. Finnish: Doggilepakot. French: Molossidés. German: Bulldoggfledermäuse, Bulldogg-Fledermäuse. Italian: Molòssidi. Norwegian: Buldoggflaggermus, foldeleppede flaggermus. Russian: Свободнохвостые, Бульдоговые. Spanish (Castillian): Murcielagos cola de raton o de cola libre. Tanoboase (Ghana): afrifraa, frede frede. Vietnamese: Họ dơi thò đuôi.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Lavocat (1961) found an indetermined Molossid species from the Mio-Pliocene at Beni Mellal. While Butler (1978: 66) found four indetermined species from the early Pleistocene at Olduvai, Avery (1991: 6) found the remains of two different sized molossids in the upper Pleistocene at Border Cave, South Africa.

Shi and Rabosky (2015: 1532) report that the approximate fossil date for the Molossidae is 37.2 million years ago. The family-level stem ages/crown ages are respectively 53.8 and 45.2 mya. Ammerman *et al.* (2012: 12) indicate that the split between the Old and New World Molossid bats took place about 29 Mya.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention unidentified Molossidae to be taken by Grey kestrels (*Falco ardosiaceus* Vieillot, 1823) and Dickinson's kestrel (*Falco dickinsoni* Sclater, 1864), Red-necked falcon (*Falco ruficollis* Daudin, 1800), Eastern chanting goshawk (*Melierax poliopterus* (Cabanis, 1868)) [the latter three preying on "*Tadarida*" sp, where they also include *Mops* and *Chaerephon*].

PARASITES:
HEMIPTERA
Cimicidae: *Crassicimex sexualis* Ferris and Usinger, 1957 described from a single female taken 50 miles SE of Torit, Uganda (Haeselbarth *et al.*, 1966: 12, host referenced as a *Tadarida* sp.).

SIPHONAPTERA
Ischnopsyllidae: *Araeopsylla scitula* (Rothschild, 1909) found in southern Africa Cape Province, Lesotho, Natal, Transvaal and Botswana, where it has been collected from Free-tailed bats which are its true host (Haeselbarth *et al.*, 1966: 189). *Lagaropsylla* Jordan and Rothschild, 1921 almost all records of hosts are from Free-tailed Bats (Haeselbarth *et al.*, 1966: 190). *Lagaropsylla hoogstraali* Smit, 1957 from Sudan host recorded as a molossid (Haeselbarth *et al.*, 1966: 190). *Lagaropsylla idea* Smit, 1957 recorded mainly from free-tailed bats, with distributions in tropical Africa (Haeselbarth *et al.*, 1966: 190). *Lagaropsylla oblique* Smit 1957 known to infest molossid species from Sierra Leone, Cameroon and the Congo (Haeselbarth *et al.*, 1966: 191). *Lagaropsylla tauffliebi* Smit 1962 a series was taken from a free-tailed bat (*Tadarida* sp.) near Bangui, Central African Republic (Haeselbarth *et al.*, 1966: 191; host referenced as a *Tadarida* sp.).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Ethiopia, Guinea, Kenya, Madagascar, Mozambique, Namibia, South Africa, South Sudan, Tanzania, Uganda, Zambia, Zimbabwe.

Subfamily Molossinae Gervais, 1856

*1856. *Molossinae* Gervais, in: F. Comte de Castelnau, Exped. Partes Cen. Am. Sud., Zool, (Sec. 7), Vol. 1, pt. 2 (Mammifères): 53 footnote. Publication date: 23 July 1856. - Comments: Type genus: *Molossus* E. Geoffroy St. Hilaire, 1805. (Current Combination)

1984. *Cheiromelinae* Legendre, Rev. suisse Zool., 91 (2): 425. Publication date: June 1984. - Comments: Pavlinov *et al.* (1995: 90) recognise this as a subfamily, but see Simmons (2005).

1984. *Tadarinae* Legendre, Rev. suisse Zool., 91 (2): 426. Publication date: June 1984.

1995. *Tadaridinae:* Pavlinov, Borissenko, Kruskop and Jahonton, Arch. Zool. Mus., Moscow State Univ., 133: 90. - Comments: Pavlinov *et al.* (1995: 90) recognise this as a subfamily assigned to Legendre (1984). Probably a lapsus for Tadarinae. (Lapsus)

TAXONOMY:
Bronner *et al.* (2003) state that the genera *Mops* and *Chaerephon* have often been included as subgenera of *Tadarida* (Ellerman *et al.*, 1953; Hayman and Hill, 1971; Swanepoel *et al.*, 1980; Meester *et al.*, 1986; Corbet and Hill, 1992). Roberts (1951) elevated these taxa to generic rank, an approach followed by Freeman (1981b), Koopman (1982, 1993a) and Simmons (2005). In southern Africa, *Mops* is therefore represented by two species (*M. midas* and *M. condylurus*); *Chaerephon* by five (*C. bivittata, C. ansorgei, C. nigeriae, C. chapini* and *C. pumilus*); and *Tadarida* by four (*T. aegyptiaca, T. lobata, T. ventralis* and *T. fulminans*). Other African genera are *Mormopterus, Myopterus, Otomops, Platymops* and *Sauromys* (Lamb *et al.*, 2011: 2), with *Myopterus, Platymops* and *Sauromys* being endemic to mainland Africa.

Ammerman *et al.* (2012: 23) suggest that this subfamily should be subdivided into four tribes: Molossini containing the New World taxa (*Molossus, Eumops, Molossops, Cynomops, Neoplatymops, Nyctinomops*, and *Promops*), tribe Tadarini containing Old World taxa (*Tadarida, Chaerephon, Mops, Platymops, Sauromys, Myopterus*, and *Otomops*), tribe Cheiromelini, and tribe Mormopterini.

Based on five nuclear sequence markers, Napier (2013) found strong support for the monophyly of the combined genera *Chaerephon* and *Mops* (with the exception of *C. jobimena*). There was no support for monophyly of either of these genera, suggesting that both should be combined in a single genus. Her study also suggests that a new species of *Otomops* should be names from northeast Africa and Arabia.

COMMON NAMES:
Czech: praví morousi. English: Free-tailed Bats, Wrinkled-lipped Bats, Bulldog Bats, Mastiff Bats, Bonneted Bats, Wolf-dog Bats. French: Molosses.

Genus ***Chaerephon*** Dobson, 1874

*1874. *Nyctinomus (Chaerephon)* Dobson, J. Asiatic Soc. Bengal, 43 (2): 144. Publication date: 17 October 1874. - Comments: Type species: *Molossus (Nyctinomus) johorensis* Dobson, 1873. - Etymology: From the Greek "*chaerephon*" meaning joyful-sounding. Flannery (1990: 370; 1995a: 404) refers to it as "a proper name, significance unknown". Dobson (1874) in Bouchard (1998: 4) and Lanza *et al.* (2015: 268) indicate that it refers to the friend of Socrates who is depicted as "*Χαιρεφῶν*" ("Chaerephon the bat") in Aristophanes' comedy, *Aves*, maybe alluding to his nocturnal habits or bony appearance or as suggested by Plato in Apology, to his sudden, excitable nature.
1907. *Chaerephon:* Andersen. (Name Combination, Current Combination)
1917. *Chærephon (Lophomops)* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 460, text-fig. 9 - 11. Publication date: 29 September 1917 [Goto Description]. - Comments: Type species: *Chærephon (Lophomops) chapini* J.A. Allen, 1917.
1938. *Lephomops:* Frechkop, Exploration du Parc National Albert, 48. - Comments: Reported as subgenus of *Chaerephon* by Frechkop (1938: 48), but clearly a lapsus, as furtheron (p. 53) the correct *Lophomops* is used. (Lapsus)
1951. *Tadarida (Chaerephon):* Ellerman and Morrison-Scott. (Name Combination)
1965. *Nyctinimus:* Koopman, Am. Mus. Novit., 2219: 21. Publication date: 22 June1965. (Lapsus)
2004. *Chaeraphon:* Okafor, Igbinosa and Ezenwaji, Anim. Res. Int., 1 (1): 64. Publication date: April 2004. (Lapsus)
2017. *Chaereophon:* Weiss, Dabrowski, Kurth, Leendertz and Leendertz, Virology J., 14 (181): 1. Publication date: 18 September 2017. (Lapsus)
? *Chaerephon sp.:*
? *Chaerophon:* (Lapsus)

TAXONOMY:
Formerly included in *Tadarida*; see Freeman (1981b: 60, 133, 150); see also Legendre (1984). Harrison and Bates (1991: 62) and Ansell and Dowsett (1988: 45), Corbet and Hill (1992: 157), Grubb *et al.* (1998: 93) and Horácek *et al.* (2000:

137) include *Chaerephon* in *Tadarida*. A key is provided by Bouchard (1998: 1, Mammalian Species, 574).

Nyctinomus is considered a valid genus by McFarland (1998: 34), but included in *Tadarida* by Koopman (1993a: 240), Grubb *et al.* (1998: 93), or included in *Chaerephon* by Simmons (2005), or in *Mormopterus* by Jacobs and Fenton (2002, Mammalian Species, 703: 1). Grubb *et al.* (1998: 93) also indicate that Mahoney and Walton (1988a: 148 - 149) considered that *Nyctinomus* was dated from 1813 and was therefore the prior name for the genus *Tadarida* Rafinesque, 1814. Their case is unconvincing, and Grubb *et al.* (1998) do not think it desirable to change the long established usage of *Tadarida*. However, since *Chaerephon* Dobson, 1874 is clearly more recent it might be that *Nyctinomus* should be used instead of *Chaerephon*.

Known species within the genus *Chaerephon*: ***aloysiisabaudiae*** (Festa, 1907); ***ansorgei*** Thomas, 1913; ***atsinanana*** Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010; ***bemmeleni*** (Jentink, 1879); ***bivittatus*** (Heuglin, 1861); *bregullae* (Felten, 1964) – Vanuatu, Fiji Isls (Simmons, 2005: 433); ***chapini*** J. A. Allen, 1917; ***gallagheri*** (Harrison,1975); *jobensis* (Miller, 1902) – Seram (Moluccas), Yapen Isl (Indonesia), New Guinea, northern and central Australia (Simmons, 2005: 434); *johorensis* (Dobson, 1873) – western Malaysia, Sumatra (Indonesia) (Simmons, 2005: 433); ***leucogaster*** A. Grandidier, 1870; ***major*** (Trouessart, 1897); ***nigeriae*** Thomas, 1913; *plicatus* (Buchannan, 1800) – Indiaand Sri Lanka to southern China, Hong Kong, Cambodiaand Vietnam, southeast through Malyasia to the Philippines, Borneo and Lesser Sunda Isls, Hainan (China), Cocos Keeling Isl (Indian Ocean) (Simmons, 2005: 434); ***pumilus*** (Cretzschmar, 1830-1831); ***russatus*** J. A. Allen, 1917; ***shortridge*** Thomas, 1926; *solomonis* (Troughton, 1931) – Solomon Isls (Simmons, 2005: 435); ***tomensis*** (Juste and Ibañez, 1993).

In their molecular phylogeny study, Lamb *et al.* (2010: 204; 2011: 9) found strong support for the monophyly of the *Chaerephon* + *Mops* taxa (about 17.2 Mya old), but not for either of the genera separated. They also found some indications that certain *Mops* species are ancestral and *Chaerephon* species more derived. Their results suggest that *Chaerephon* should not be considered a subgenus of *Tadarida*, nor a genus on itself. They suggest to combine *Chaerephon* (except *Chaerephon jobimena*) together with *Mops* into a single genus pending a more complete study.
Ammerman *et al.* (2012: 20) also found support for a *Mops* - *Chaerephon* clade, which resulted in paraphyly of *Chaerephon*, and confirm again that *Chaerephon* is distinct from *Tadarida*. A further morphological study by Gregorin and Cirranello (2015: 10) confirmed the paraphyly of *Chaerephon*, but was unable to resolve the relationships within the genus.

COMMON NAMES:
Czech: malí morousi, příšerecové. English: Wrinkle-lipped Bats, Lesser Free-tailed Bats, Lesser Mastiff Bats. French: Tadarides. Italian: Cherefónti.

CONSERVATION STATUS:
IUCN (2004) - assessed *C. shortridgei* as NT ver 3.1 (2001).

BIOGEOGRAPHY:
Taylor *et al.* (2009) investigated patterns in mitochondrial DNA (cytochrome *b* and D-loop) variation in *Chaerephon* spp. specimens from southern Africa and Madagascar, including individuals from Madagascar with distinct phenotypic characters and identified as *C. leucogaster* and *C. pumilus*. Taylor *et al.* (2009) found southern African populations of *C. pumilus* to be paraphyletic, Malagasy *C. leucogaster* to be nested within *C. pumilus* sensu lato, and Malagasy *C. pumilus* forming a sister group to a complex of African *C. pumilus* and Malagasy *C. leucogaster* clades. Goodman *et al.* (2010a) including *C. pusillus* samples from the Comoros (all four islands) and Aladabra, found that on Mayotte and Madagascar individuals that can phenotypically be assigned to *C. leucogaster* and *C. pumilus* sensu lato, are known to occupy the same day roost sites. Morphological and molecular genetics data indicate they act as a good biological species. The individuals from the Comoros and Aldabra formed a monophyletic group, which shows morphological similarity. Comorian individuals, classically assigned to *C. pumilus*, are best considered distinct from African and Madagascan populations, and represent the same taxon occuring in the western Seychelles under the name *C. pusillus*.

PARASITES:
NEMATODA:
Durette-Desset and Chabaud (1975: 317) described *Molinostrongylus bauchoti* from a Madagascan bat belonging to this genus.

VIRUSES:
Of the 13 *Chaerephon* sp. specimens from Kisumu, Kenya, one tested positive for *Adenovirus*, one for *Rhabdovirus* and five for *Polyoma virus* (Conrardy *et al.*, 2014: 259). Of the 16 specimens from Moi University, one tested positive for *Adenovirus*, one for *Paramyxovirus*

and two for *Polyomavirus*.

Adenoviridae
Conrardy *et al.* (2014) detected an adenovirus in two individuals out of 35 sampled in Kenya. This virus groups within the *Mastadenovirus* genus.

Coronaviridae - Coronaviruses
SARS-CoV - During February 2008 in Ghana, six fecal samples were tested negative for coronavirus (CoV) RNA by Pfefferle *et al.* (2009) [as *Chaerephon spp.*]. Tong *et al.* (2009) tested several bats collected in Kenya in 2006 positive for the presence of coronavirus RNA in fecal samples. Hu *et al.* (2015: 5) indicate that in Ghana, Kenya and Nigeria novel betacoronaviruses related to SARS-CoV have been detected.
12 of the 113 Kenyan specimens tested by Tao *et al.* (2017: Suppl.) were positive for CoV (10.6 %).

Flaviviridae
Pegivirus (BPgV) - 1 out of 3 Kenyan *Chaerephon* sp specimens was infected by clade K type *Pegivirus* (Quan *et al.*, 2013: Table S5).
Paramyxoviridae
Conrardy *et al.* (2014) detected a paramyxovirus in one out of 35 individuals sampled in Kenya. This virus groups with Morbillivirus-related viruses.

Rhabdoviridae
Conrardy *et al.* (2014) detected a rhabdovirus in one out of 35 individuals sampled in Kenya. This virus groups with the *Tupavirus* genus, with a near identical sequence detected in *Miniopterus africanus*.

Polyomaviruses
Orthopolyomavirus (BPyV) – DNA of two novel polyomaviruses were detected from fecal/oral swabs from *Chaerephon* sp specimens from Kenya (Tao *et al.*, 2012)

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Congo (Democratic Republic of the), Ghana, Kenya, Madagascar, Malawi, Namibia, Nigeria, Sierra Leone, South Sudan, Tanzania, Uganda.

Chaerephon aloysiisabaudiae (Festa, 1907)

*1907. *Nyctinomus aloysii-sabaudiae* Festa, Boll. Mus. Zool. Anat. Comp. Univ. Torino, 22 (546): 1. Publication date: 21 January 1907. Type locality: Uganda: Western province: Toro distrirct: East of Ruwenzori: "Toro distrirct" [ca. 00 30 N 30 00 E] [Goto Description]. - Comments: Coordinates mentioned as 01 00 N 30 22 E by Thorn *et al.* (2009: 71). Allen (1939a: 107) mentioned the type locality as "Ruwenzoni". Grubb *et al.* (1998: 84) mention "East of Ruwenzori, Toro district".
1917. *Nyctinomus aloysii-sabaudiæ:* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 460. (Name Combination)
1922. *Chaerephon angolensis sabaudiae:* de Beaux, Ann. Mus. civ. Stor. nat. Genova, ser. 3, (O.S. 49) 9: 371. Publication date: 28 August 1922. (Lapsus)
1966. *Tadarida (Chaerephon) cyclotis* Brosset, Biol. gabon., 2 (1): 80. Type locality: Gabon: Bélinga [01 13 N 13 10 E] [Goto Description].
? *Chaerephon aloysiisabaudiae:* (Current Combination, Current Spelling)
? *Tadarida aloysiisabaudiae:* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: morous vévodský. English: Duke of Abruzzi's Wrinkle-lipped Bat, Abruzzi's Wrinkle-lipped Bat, Duke of Abruzzi's Free-tailed Bat. French: Tadaride du Duc des Abruzzes, Molosse du Duc des Abruzzes. German: Fürst von Abruzzen Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bn; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) assessed as *Tadarida aloysiisabaudiae* (Mickleburgh *et al.*, 2008bn; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004bi; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is threatened by deforestation of its habitat by logging activities (Mickleburgh *et al.*, 2008bn; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bn) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further studies are needed into the distribution, natural history and threats to this species.

GENERAL DISTRIBUTION:
Chaerephon aloysiisabaudiae has been patchily recorded in West and Central Africa. It ranges from Côte d'Ivoire and Ghana in the west, through Cameroon and northern Central Africa, to southern Sudan and western Uganda. It is known from around 50 localities (mostly single specimens).

Native: Cameroon; Central African Republic; Congo (The Democratic Republic of the); Côte d'Ivoire (Beaucournu and Fahr, 2003: 175); Gabon; Ghana; Sudan; Uganda.
Presence uncertain: Ethiopia (Simmons, 2005).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Smith *et al.* (1986) reported 2*n* = 48, FN = 66, BA = 20, a submetacentric X chromosome and an acrocentric Y chromosome.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - This high-flying species is rarely captured. It is found in relatively small groups (Mickleburgh *et al.*, 2008bn; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008bn; IUCN, 2009).

VIRUSES:
Reoviridae
Weiss *et al.* (2017: 1) isolated a new virus belonging to the subfamily Spinareovirinae: Taï Forest reovirus (TFRV) (tentatively assigned to the genus *Coltivirus*) from a bat in Côte d'Ivoire.

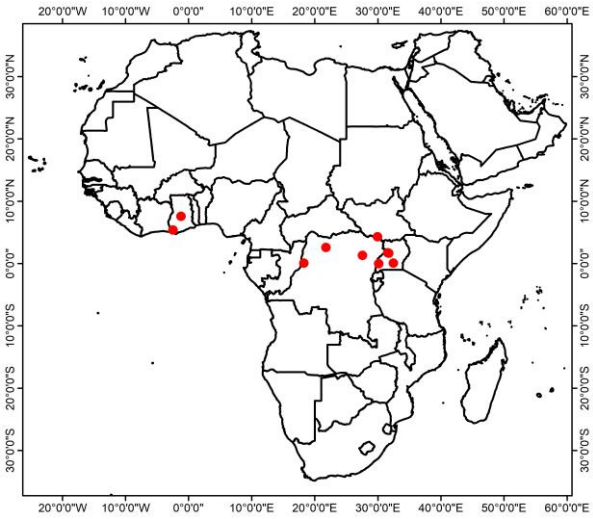

Figure 155. Distribution of *Chaerephon aloysiisabaudiae*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Uganda.

Chaerephon ansorgei (Thomas, 1913)

*1913. *Nyctinomus ansorgei* Thomas, Ann. Mag. nat. Hist., ser. 8, 11 (63): 318. Publication date: 1 March 1913. Type locality: Angola: Malange [=Malanje] [09 32 S 16 20 E, 1 150 m] [Goto Description]. Holotype: BMNH 1910.4.8.4: ad ♂. Collected by: Dr. William John Ansorge; collection date: 17 February 1909; original number: 5. - Etymology: In honour of Dr. William John Ansorge (1850 - 1913), a collector of zoological specimens, who collected the type specimen of this species in Malange, northern Angola (see Taylor, 2005; Lanza *et al.*, 2015: 271).
1946. *Nyctinomus rhodesiae* Roberts, Ann. Transv. Mus., 20 (4): 307. Type locality: Zimbabwe: Bindura district: Masembura Native Reserve: Chikupo caves [17 24 S 31 20 E] [Goto Description]. Holotype: TM 9977: ad ♂, skin and skull. Collected by: H.B. Masterson; collection date: 10 July 1945.
1967. *Tadarida bivittata:* Ansell, Arnoldia Rhod., 2 (38): 25. - Comments: Not of Heuglin, 1861.
? *Chaerephon ansorgei:* (Name Combination, Current Combination)
? *Tadarida (Chaerephon) ansorgei:* (Name Combination)
? *Tadarida ansorgei:* (Name Combination)

TAXONOMY:
Distinct from *bivittata*; see Eger and Peterson (1979: 1889), who revised it.

COMMON NAMES:
Afrikaans: Ansorge se losstertvlermuis, Ansorge-losstertvlermuis. Czech: morous Ansorgeův. English: Ansorge's Wrinkle-lipped Bat, Ansorge's Free-tailed Bat. French: Tadaride d'Ansorge, Molosse d'Ansorge, Molosse d'Afrique du Sud. German: Ansorges Bulldoggfledermaus. Italian: Cherefónte di Ansòrge. Portuguese: Morcego de cauda livre de Ansorge.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Hildebrand *et al.* (2010: 281) recorded this species from the Koka site in southern Ethiopia.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it is likely to occur in a number of protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008ac; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida ansorgei*] (Mickleburgh *et al.*, 2008ac; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004al; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016aa). 2008 - LC ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species. In parts of West Africa, some populations may be threatened by overharvesting for subsistence food (Mickleburgh *et al.*, 2008ac; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ac) [in IUCN (2009)] report that in view of the species wide range it is presumably present in many protected areas (including Comoe National Park, Côte d'Ivoire). No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Chaerephon ansorgei is widely distributed over much of sub-Saharan Africa. It ranges from northeastern Côte d'Ivoire in the west, through much of the northern part of West and Central Africa (north of the Congo basin), to Ethiopia and East Africa, from here southwards as far as northeastern South Africa. It has been recorded between 400 and 2,000 m asl.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 673,792 km^2.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 541); Cameroon (Eisentraut, 1968: 171 - 1st record from West Africa); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 541); Côte d'Ivoire; Ethiopia; Mozambique (Monadjem *et al.*, 2010d: 541: Monadjem *et al.*, 2010c: 382); South Africa (Monadjem *et al.*, 2010d: 541); Sudan; Uganda (Kityo and Kerbis, 1996: 63); Zambia (Ansell, 1978: Monadjem *et al.*, 2010d: 541); Zimbawe (Cotterill, 2004a: 261: Monadjem *et al.*, 2010d: 541).

Presence uncertain: Namibia.

ECHOLOCATION:
Jacobs (1996) and Fenton and Bell (1981) reported a highest frequency of 28 kHz for individuals at Sengwa in Zimbabwe.

Taylor (2000: 67) reported call details as: long duration (15 ms), multi-harmonic (up to two), narrow bandwidth (16 - 28 kHz) shallow-FM calls, with low dominant frequency of 18 kHz, in a field guide to bats of Southern Africa.

For *Chaerephon ansorgei* from Mozambique, Taylor *et al.* (2013b: 18) reported the following parameters for 3 calls: F_{max}: 23.1 ± 3.5 (20.1 - 27.0) kHz, F_{min}: 186. ± 1.5 (16.9 - 19.8) kHz, F_{knee}: 21.5 ± 1.4 (19.9 - 22.6) kHz, F_{char}: 19.8 ± 1.1 (18.5 - 20.5) kHz, duration: 10.6 ± 1.2 (9.4 - 11.9) msec. And for 12 calls from Waterberg, South Africa: F_{max}: 22.1 ± 1.53 (19.5 - 243) kHz, F_{min}: 18.5 ± 0.92 (17.5 - 20.0) kHz, F_{knee}: 20.1 ± 1.05 (18.9 - 21.8) kHz, F_{char}: 19.0 ± 0.94 (17.8 - 20.5) kHz, duration: 6.4 ± 1.51 (4.5 - 9.3) msec.
At Farm Welgevonden (RSA), Taylor *et al.* (2013a: 556) report a F_{knee} value of 20 (19 - 22) kHz.
In the Soutpansberg area (RSA), Linden *et al.* (2014: 40) mentioned the following characteristics for *C.* cf. *ansorgei*: F_{min}: 17 - 20 kHz, F_{char}: 18 - 21 kHz, F_{knee}: 19 - 23, Slope: 24 - 212 OPS, duration: 4 - 12 msec.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Smith *et al.* (1986) and Rautenbach *et al.* (1993) agreed on 2*n* = 48, and the Y chromosome being acrocentric. However, Smith *et al.* (1986) reported FN = 66, BA = 20, and a subtelocentric X chromosome, whereas Rautenbach *et al.* (1993) reported for specimens from South African, FN = 68, BA = 22, and a submetacentric X chromosome.
Protein / allozyme - Unknown.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Southern yellow-billed hornbill (*Tockus leucomelas* Lichtenstein, 1842) as diurnal avian predator.

POPULATION:
Structure and Density - It appears to be generally uncommon, although colonies may contain hundreds of bats (Mickleburgh *et al.*, 2008ac; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008ac; IUCN, 2009).

PARASITES:
SIPHONAPTERA
Ischnopsyllidae: *Lagaropsylla anciauxi* Smit, 1957 from Katanga, Congo (Haeselbarth *et al.*, 1966: 190).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Cameroon, Congo (Democratic Republic of the), Ethiopia, Kenya, Malawi, Mozambique, Nigeria, Rwanda, South Africa, South Sudan, Uganda, Zimbabwe.

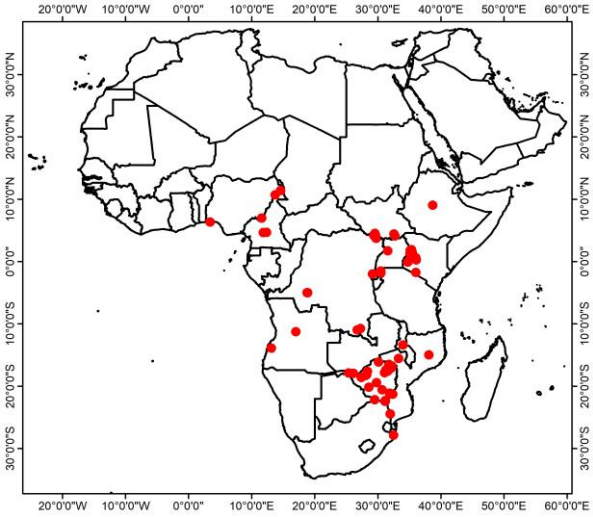

Figure 156. Distribution of *Chaerephon ansorgei*

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010

*2010. *Chaerephon atsinanana* Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, Zootaxa, 2551: 21, figs 34, 6A, 7. Publication date: 28 July 2010. Type locality: Madagascar: Fianarantsoa: Farafangana: Collèges d'Enseignement Général (CEG) Fenoarivo [22 49.275 S 47 49.860 E, 10 m] [Goto Description]. Holotype: FMNH 185259: ad ♀, skull and alcoholic. Collected by: Fania H. Ratrimomanarivo; collection date: 26 April 2005. Paratype: FMNH 185260: Same locality as the type specimen (see Goodman *et al.*, 2010a: 21). Paratype: FMNH 185261: Same locality as the type specimen (see Goodman *et al.*, 2010a: 21). Paratype: FMNH 185262: Same locality as the type specimen (see Goodman *et al.*, 2010a: 21). Paratype: FMNH 185263:. Same locality as the type specimen (see Goodman *et al.*, 2010a: 21). Paratype: FMNH 185264: Same locality as the type specimen (see Goodman *et al.*, 2010a: 21). Paratype: FMNH 185265: Same locality as the type specimen (see Goodman *et al.*, 2010a: 21). Paratype: FMNH 185266: Same locality as the type specimen (see Goodman *et al.*, 2010a: 21). Paratype: FMNH 185267: Same locality as the type specimen (see Goodman *et al.*, 2010a: 21). Paratype: FMNH 185268: Same locality as the type specimen (see Goodman *et al.*, 2010a: 21). - Etymology: The name *atsinanana* is derived from the Malagasy word meaning "from the east" (see Goodman *et al.*, 2010a: 23). (Current Combination)

? *Chaerephon pumilus:*

CONSERVATION ACTIONS:
On Madagascar, it has not been recorded from any protected areas, but it has been recorded from houses close to protected areas as *C. pumilus* (Mickleburgh *et al.* (2008dr) [in IUCN (2009)]).

GENERAL DISTRIBUTION:
Chaerephon atsinanana is known from numerous localities across the eastern half of Madagascar from near sea level to over 1,100 m (see Goodman *et al.*, 2010a: 26).
In Madagascar, the species is restricted to the humid areas of the island (in the north and east) and can be found up to 1,300 m asl. Its southernmost range in Madagascar is not well understood and it has not been recorded south of Moramanga (Goodman and Cardiff, 2004).
Native: Madagascar (Goodman *et al.*, 2010a: 26).

BIOGEOGRAPHY:
Chaerephon atsinanana is common in the mesic eastern portion of Madagascar, across an elevational range from near sea level to 1,100 m a.s.l. (Lamb *et al.*, 2012: 19).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 60) found that the triangular shaped baculum of this species could be subdivided into three morphotypes: morphotype A is more rounded than the flattened morphotype B, and morphotype C is similar to B, but with an indentation in the proximal

base. The shaft curvature is more pronounced in types B and C as compared to type A. In all morphotypes, the distal portions are similar, gradually tapering from the midshaft towards a blunt tip. Length: 0.90 ± 0.066 (0.78 - 1.00) mm, width: 0.34 ± 0.056 (0.26 - 0.46) mm.

MOLECULAR BIOLOGY:
DNA - See Goodman *et al.* (2010a).
Karyotype - Unknown.
Protein / allozyme - Unknown.

Napier (2013) hypothesized that this species should show relatively low levels of intraspecific genetic structure as bats are strong fliers and are able to traverse the riverine and mountain barriers. However, she needed to reject this hypothesis as genetic distances of up to 8.14 % were found. She furthermore suggests that these differences are consistent with the existence of female philopatry.

HABITAT:
Goodman *et al.* (2010a: 26) report that all of the sites where this species is found, are in urban or at least rural areas and outside of natural forest. They were also unable to find a natural day-roost of this species. A further analysis by Lamb *et al.* (2012: 29) indicated that the predicted distribution pattern was rather patchy and limited to the Madagascar Lowland Forests ecoregion and furthermore strongly associated with human population centres and transport routes.

ROOST:
Wilkinson *et al.* (2012: 160) indicate that synanthropic structures are the typical roosts for this species on Madagascar.

DIET:
The faeces of five specimens examined by Rasoanoro *et al.* (2015: 64) contained the following volume percentages of prey: Coleoptera: 44.0 ± 5.08, Diptera: 8.3 ± 4.15, Hemiptera: 3.1 ± 1.36, Homoptera: 19.0 ± 4.42, Hymenoptera: 0.3 ± 0.31, and Lepidoptera: 25.4 ± 1.86.

POPULATION:
Structure and Density - There are no estimates of its population in Madagascar, but it is thought to be locally common in the eastern zone (Mickleburgh *et al.*, 2008dr; IUCN, 2009, as *C. pumilus*).
Trend - Unknown.

VIRUSES:
Wilkinson *et al.* (2012: 160) tested 20 individuals from the Madagascar using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 0 positive results for viral nucleic acids.

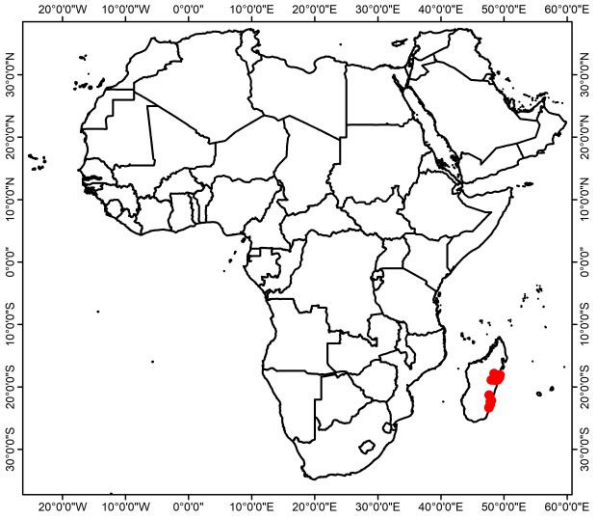

Figure 157. Distribution of *Chaerephon atsinanana*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Chaerephon bemmeleni (Jentink, 1879)

*1879. *Nyctinomus Bemmeleni* Jentink, Notes Leyden Mus., 1 (1): 125. Publication date: April 1879. Type locality: "Africa": "Liberia ??" [Goto Description]. Holotype: RMNH MAM.21649: ad ♀, skull and alcoholic. Collection date: 1875. - Comments: The type locality was originally mentioned as "Liberia", but see Kuhn (1965: 327), who doubts this, since the type specimen had come from a zoo. - Etymology: In honour of Mr. A.A. van Bemmelen, director of the Zoological Gardens at Rotterdam, who presented the type specimen to the museum (see Jentink, 1879b: 127).

1897. *[Nyctinomus (Nyctinomus)] Vemmeleni:* Trouessart, Catalogus Mammalium tam viventium quam fossilium, nov. ed. 1, pt. 1: 146. Publication date: 1897. (Lapsus)

1903. *Nyctinomus cisturus* Thomas, Ann. Mag. nat. Hist., ser. 7, 12 (71): 502. Publication date: 1 November 1903. Type locality: Sudan: Equatoria province: 25 mi (37.5 km) N Gondokoro: Mangala (=Mongalla) [05 10 N 31 50 E, 500 m] [Goto Description]. Holotype: BMNH 1902.7.4.4: ad ♂. Collected by: W.L.S. Loat Esq. Original number: 2805. Presented/Donated by: W.L.S. Loat Esq.

? *Chaerephon bemmeleni:* (Name Combination, Current Combination)

? *Tadarida bemmeleni cistura:* (Name Combination)

? *Tadarida bemmeleni:* (Name Combination)

TAXONOMY:
Includes *cisturus*; see Koopman (1975: 425).

The data used by Herkt *et al.* (2017: Appendix S9) support the idea that *bemmeleni* includes more than one species. However, genetic tests to confirm this are not yet available, but material from the small overlapping area can clearly be allocated to the ssp. *cisturus*, rendering a large geographic gap between occurrence records of either population: one in West and western Central Africa (*bemmeleni*) and one in East Africa (*cisturus*).

COMMON NAMES:
Czech: morous liberijský. English: Gland-tailed Wrinkle-lipped Bat, Van Bemmelen's Wrinkle-lipped Bat, Gland-tailed Free-tailed Bat. French: Tadaride à glande caudale, Molosse à glandes caudales. German: Schwanzdrüsen-Bulldogg-fledermaus, Bemmelens Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it occurs in a number of protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008am; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida bemmeleni*] (Mickleburgh *et al.*, 2008am; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004ba; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
The species is threatened by habitat loss, largely through logging activities and the conversion of land to agricultural use (Mickleburgh *et al.*, 2008am; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008am) [in IUCN (2009)] report that it is present in Meru National Park, Kenya, and is presumably present in several more protected areas. Further studies are needed into the taxonomy, natural history, threats and distribution of this species.

GENERAL DISTRIBUTION:
Chaerephon bemmeleni is widely distributed in Africa from Sierra Leone in the west, then patchily through West and Central Africa to southern Sudan, Uganda, Kenya and Tanzania in the east. It has been recorded up to 1,700 m asl on Mount Nimba along the border of Côte d'Ivoire and Guinea (J. Fahr *pers. Comm.*, 2004 in Mickleburgh *et al.*, 2008am in IUCN, 2009).

Native: Cameroon; Congo (The Democratic Republic of the); Côte d'Ivoire; Guinea; Kenya (Start, 1969; as *T. cistura*); Liberia; Rwanda; Sierra Leone; Sudan; Tanzania; Uganda.
Presence uncertain: Burkina Faso; Central African Republic; Chad; Ethiopia; Guinea-Bissau; Mali; Nigeria; Senegal.

MOLECULAR BIOLOGY:
DNA - unknown.
Karyotype - Nagorsen *et al.* (1976) reported 2*n* = 48, Fna = 54, BA = 8, a submetacentric X chromosome and an acrocentric Y chromosome.

POPULATION:
Structure and Density - The abundance of *C. bemmeleni* is unclear, in parts of the range it seems to be a rare species that is found in small colonies consisting of a few individuals. In East Africa this species exhibits a clumped distribution, yet is relatively abundant locally (Webala *et al.*, 2004).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008am; IUCN, 2009).

PARASITES:
Duszynski (2002: 21) indicates that *C. bemmeleni* is the type host for *Eimeria levinei* Bray, 1958.

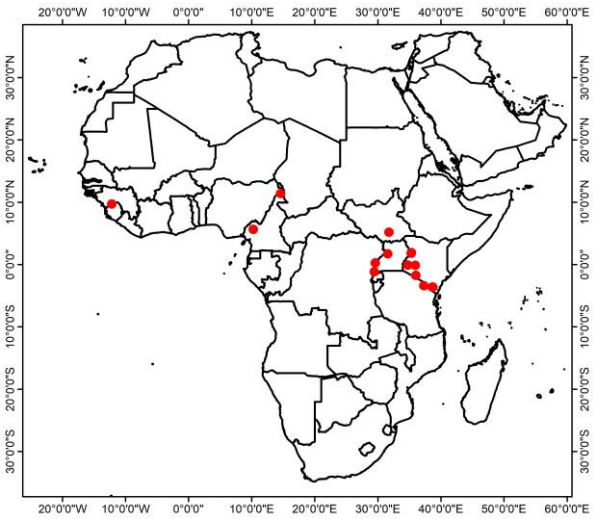

Figure 158. Distribution of *Chaerephon bemmeleni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Cameroon, Congo (Democratic Republic of the), Kenya, Liberia, Sierra Leone, South Sudan, Tanzania, Uganda.

Chaerephon bivittatus (Heuglin, 1861)

*1861. *Nyctinomus bivittatus* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 29 (8): 4, 13. Publication date: 1861. Type locality: Eritrea: Kérén [ca. 15 45 N 38 20 E] [Goto Description]. Holotype: RMNH ??: See Jentink (1888b: 203). Syntype: ZMB 2792a: skull and alcoholic. Collected by: Theodor Von Heuglin. Formerly SMNS, from "Abyssinia, Bogos[land]". See Turni and Kock (2008: 72). Syntype: ZMB 2792b: skull and alcoholic. Collected by: Theodor Von Heuglin. Formerly SMNS, from "Abyssinia, Bogos[land]". See Turni and Kock (2008: 72). Lectotype: SMNS 981: ad ♂, skull and alcoholic. Collected by: Martin Theodor von Heuglin; collection date: 1861. Dieterlen *et al.* (2013: 294) indicated this specimen to be the lectotype, referring to ICZN article 74.6, which would indicate that this status was established by Dobson (1878), who called specimen this "'type". However, Dobson (1878: 426) presents the measurements of an adult male, which he called the "type", but since there are two adult males (981 and 981b), it is not clear which of these two specimens was referred to by Dobson (1878). Paralectotype: SMNS 981a: ad ♀, skull and alcoholic. Collected by: Martin Theodor von Heuglin; collection date: 1861. see Dieterlen *et al.* (2013: 294). Paralectotype: SMNS 981b: ad ♂, skull and alcoholic. Collected by: Martin Theodor von Heuglin; collection date: 1861. see Dieterlen *et al.* (2013: 294), but see also note above. - Etymology: From the masculine scientific Latin adjective *bivittàtus*, meaning "bivittate", as the species is provided with two narrow longitudinal stripes on and behind the head (see Lanza *et al.*, 2015: 273).
1967. *Tadarida bivittata:* Ansell, Arnoldia Rhod., 2 (38): 29. (Name Combination)
2002. *Chaerephon bivittata:* Arroyo-Cabrales, Gregorin, Schlitter and Walker, 22 (2): 386.
2016. *Chaerophon bivittattus:* Simmons, Seiffert and Gunnell, Am. Mus. Novit., 3857: 43. Publication date: 9 May 2016. (Lapsus)
? *Chaerephon bivittatus:* (Name Combination, Current Combination)
? *Tadarida bivittata bivittata:* (Name Combination)

TAXONOMY:
Revised by Eger and Peterson (1979).

COMMON NAMES:
Afrikaans: Gevlekte losstertvlermuis. Czech: morous skvrnitý. English: Spotted Wrinkle-lipped Bat, Spotted Free-tailed Bat, Spotted Gland-tailed Bat. French: Tadaride tachetée, Molosse tacheté. German: Gefleckte Bulldoggfledermaus, zweistreifige Doggengrämler. Italian: Cherefónte bivittàto. Portuguese: Morcego de cauda livre malhado.

ETYMOLOGY OF COMMON NAME:
So named because of the tiny white, and sometimes barely discernible, flecks on the upper parts of the body (see Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008ad; IUCN, 2009).
Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida bivittata*] (Mickleburgh *et al.*, 2008ad; IUCN, 2009). 2004 - LC ver 3.1 (2001) [assessed as *C. bivittata*] (Mickleburgh *et al.*, 2004an; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Mickleburgh *et al.*, 2008ad; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ad) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is presumably present in some East African protected areas. Further studies are needed into the abundance, distribution and natural history of this bat.

GENERAL DISTRIBUTION:
Chaerephon bivittatus is an East African species ranging from Eritrea and Ethiopia in the north, through southern Sudan, Uganda, Kenya and eastern Tanzania, to Zambia, Zimbabwe and Mozambique in the south.

Native: Eritrea; Ethiopia; Kenya; Malawi (Monadjem *et al.*, 2010d: 541); Mozambique (Crawford-Cabral, 1989; Simmons, 2005); Sudan; Tanzania; Uganda; Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 541); Zimbabwe (Ansell, 1986; Monadjem *et al.*, 2010d: 541).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Peterson and Nagorsen (1975) reported 2*n* = 48, FN = 54, BA = 8, a metacentric

X chromosome, and an acrocentric Y chromosome for specimens from Kenya and Zimbabwe.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - Although there is little information on the abundance of this species, it is common in collections suggesting that it is easily found (Mickleburgh *et al.*, 2008ad; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008ad; IUCN, 2009).

PARASITES:
Beaucournu and Kock (1996) mentioned the first record for the flea *Lagaropsylla anciauxi* Smit, 1957 on this bat.
Hastriter (2016: 15) described the flea *Araeopsylla smiti* from a *C. bivittatus* collected at Maji Moto, Kenya.

Copeland *et al.* (2011: 363) reported the rediscovery of the "terrible hairy fly" (*Mormotomyia hirsuta* (after 62 years) in guano produced by *C.* cf. *bivittatus* and *T. aegyptiaca* at Ukasi Hill, Kenya.

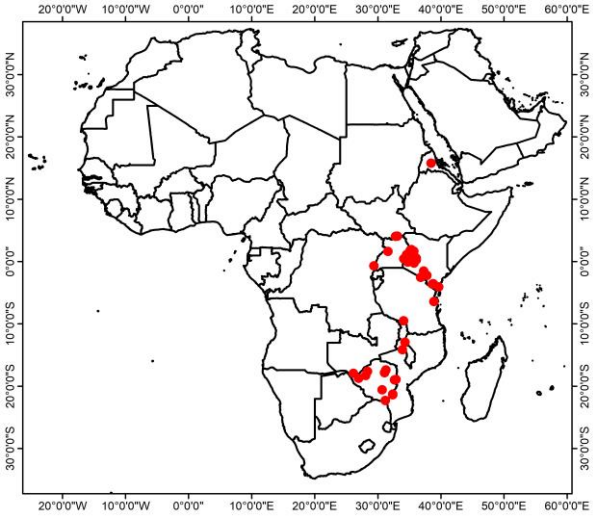

Figure 159. Distribution of *Chaerephon bivittatus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Eritrea, Ethiopia, Kenya, Malawi, Mozambique, South Sudan, Tanzania, Uganda, Zambia, Zimbabwe.

Chaerephon chapini J.A. Allen, 1917

*1917. *Chærephon (Lophomops) chapini* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 460, 461, text-fig. 9. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Faradje [03 44 N 29 43 E] [Goto Description]. Holotype: AMNH 48841: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 11 November 1912; original number: 1971.

1926. *Chaerephon (Lophomops) shortridgei* Thomas, Proc. zool. Soc. Lond., 1926, I: 289. Publication date: 29 April 1926. Type locality: Namibia: NW Ovamboland: 32 mi NW of Rehoboth Mission Station: Ukualukasi [17 32 S 14 37 E, 3 400 ft] [Goto Description]. Holotype: BMNH 1925.12.4.24: skin and skull. Collected by: Captain Guy Chester Shortridge; original number: 1389. - Comments: Considered a valid species by Peterson *et al.* (1995: 159), Goodman and Cardiff (2004: 236). - Etymology: I have named this striking species in honour of Capt. Shortridge, to whose energy and enthusiasm the great success of the South West African collecting expeditions has been almost wholly due, and who was greatly struck by its remarkable appearance (see Thomas, 1926).

1938. *Chærephon lancasteri* Hayman, Ann. Mag. nat. Hist., ser. 11, 1 (4): 383. Publication date: 1 April 1938. Type locality: Zambia: Loangwa Valley: Lundazi district: Lunzi River [ca. 11 S 33 E] [Goto Description]. Holotype: BMNH 1937.12.8.25: ad ♂, skin and skull. Collected by: D. Gordon Lancaster; collection date: August 1936; original number: 724. Notes: caught in hole in tree. - Comments: Kock (1969a: 140) situates the Lunzi river in Zambia, rather than in Zimbabwe.

2009. *Choerephon (Lopomops) langi:* ACR [Goto Description]. - Comments: *nomen nudum*.

? *Chaerephon chapini chapini:* (Name Combination)

? *Chaerephon chapini lancasteri:* (Name Combination)

? *Chaerephon chapini:* (Name Combination, Current Combination)

? *Chaerephon shortridgei:*

? *Tadarida chapini lancasteri:* (Name Combination)

? *Tadarida chapini:* (Name Combination)

TAXONOMY:
Included in *pumilus* by Kock (1969a: 139). See Fenton and Eger (2002).

COMMON NAMES:
Afrikaans: Bleek losstertvlermuis. Czech: morous chocholatý. English: Long-crested Free-tailed Bat, Chapin's Wrinkle-lipped Bat, Long-crested Wrinkle-lipped Bat, Crested Wrinkle-lipped Bat, Chapin's Free-tailed Bat, Pale Free-tailed Bat, Long-crested Gland-tailed Bat, Crested Free-tail Bat. French: Tadaride de Chapin, Molosse à crinière, Molosse pâle. German: Chapins Bulldoggfledermaus.

ETYMOLOGY OF COMMON NAME:
Named after Mr. James P. Chapin, co-organiser of the American Museum expedition to the former Belgian Congo that resulted in the discovery of the species (Taylor, 2005).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
No fossils are known (Fenton and Eger, 2002).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it occurs in a number of protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008ae; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida chapini*] (Mickleburgh *et al.*, 2008ae; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2004ag; IUCN, 2004). NT ver 3.1 (2001) [assessed as *Chaerephon shortridgei*] (Mickleburgh *et al.*, 2004ak; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this widespread species as a whole. It may be threatened in parts of its range through habitat loss and degradation (e.g. in northern Zimbabwe and parts of Zambia) (Mickleburgh *et al.*, 2008ae; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ae) [in IUCN (2009)] report that it has been recorded from Kruger National Park in South Africa, and from Mole National Park in Ghana and Comoe.

GENERAL DISTRIBUTION:
Chaerephon chapini has been widely recorded over much of sub-Saharan Africa. It has been collected from Côte d'Ivoire and Ghana in West Africa, southern Sudan, northeastern Democratic Republic of the Congo, Ethiopia, Uganda and Kenya, ranging south into southern Democratic Republic of the Congo and Congo, Angola, Zimbabwe, Zambia, Botswana and Namibia.

Native: Angola (Monard, 1935; Crawford-Cabral, 1989; Hill and Carter, 1941; Monadjem *et al.*, 2010d: 541); Botswana (Monadjem *et al.*, 2010d: 541); Cameroon (Bol *et al.*, 2011: 46; Bakwo Fils *et al.*, 2014: 3); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Fenton and Eger, 2002: 2; Monadjem *et al.*, 2010d: 541); Ethiopia; Ghana; Kenya (Fenton and Eger, 2002: 2); Namibia (Monadjem *et al.*, 2010d: 541); Sudan (Fenton and Eger, 2002: 2); Uganda; Zambia (Ansell, 1969; Monadjem *et al.*, 2010d: 541); Zimbabwe (Monadjem *et al.*, 2010d: 541).

Bates *et al.* (2013: 338) reject the occurrence of *C. chapini* in the Republic of Congo as the "Marine Park Nature Reserve" was erroneously located in that country in ACR (2012) rather than in the DRC. The record from Cameroon is probably doubtful (Jakob Fahr, pers. comm.).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Fenton and Eger (2002).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Fenton and Eger (2002).

DETAILED MORPHOLOGY:
Baculum - Unknown
For a description of the crania, teeth, ears and tragus see Fenton and Eger (2002).

SEXUAL DIMORPHISM:
Sexual dimorphism in the structure of interaural crest, with females having a small crest (3 - 5 mm) and males a long, bicolored one (12 - 15 mm) (Fenton and Eger, 2002). Krutzsch (2000: 128) pointed out that this crest is also odoriferous in the breeding male.

ECHOLOCATION:
Jacobs (1996) and Fenton and Bell (1981) reported a highest frequency of 27 kHz for individuals at Sengwa in Zimbabwe.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 48, FN = 64, BA = 18, a subtelocentric X chromosome, and an acrocentric Y chromosome, for specimens from Namibia and Zimbabwe.
Protein / allozyme - Unknown.

HABITAT:
See Fenton and Eger (2002).

HABITS:
See Fenton and Eger, 2002).

Fenton and Griffin (1997: 248) recorded echolocation calls from "*Tadarida chapini*" at altitudes between 0 and 450 m above a *Brachystegia* woodland in Zimbabwe.

ROOST:
See Fenton and Eger (2002).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - In general there is little information on the abundance of this species over its range (Mickleburgh *et al.*, 2008ae; IUCN, 2009). It can be common in northwestern Zimbabwe, but it is not regularly recorded. The species is found in small colonies, with a single observation of a small group of breeding females.
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008ae; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
See Fenton and Eger, 2002).

REPRODUCTION AND ONTOGENY:
See Fenton and Eger (2002).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Botswana, Cameroon, Congo (Democratic Republic of the), Ethiopia, Ghana, Kenya, Namibia, Rwanda, South Sudan, Uganda, Zambia, Zimbabwe.

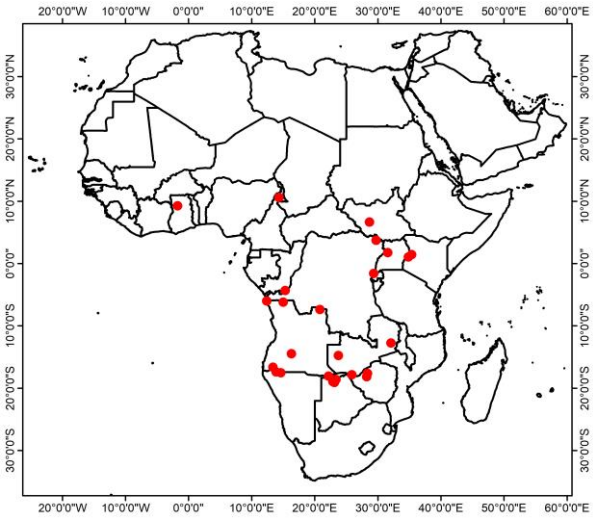

Figure 160. Distribution of *Chaerephon chapini*

Chaerephon gallagheri (Harrison, 1975)

*1975. *Tadarida (Chaerephon) gallagheri* Harrison, Mammalia, 39 (2): 313. Type locality: Congo (Democratic Republic of the): Kivu province: 30 km SW Kindu: Scierie Forest [03 10 S 25 46 E] [Goto Description]. Holotype: BMNH 1976.207: ad ♂. Collected by: Major Michael D. Gallagher; collection date: 14 November 1974; original number: MDG-3256. Formerly HZM 1.7797. Holotype: HZM 1.7797: ♂. Collected by: Major Michael D. Gallagher; collection date: 14 November 1974; original number: MDB-3256. - Etymology: In honour of Major M.D. Gallagher, the collector of the type specimen.
? *Chaerephon gallagheri:* (Name Combination, Current Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: morous kivuský. English: Gallagher's Wrinkle-lipped Bat, Gallagher's Free-tailed Bat, Zaïre Gland-tailed Bat. French: Tadaride de Gallagher, Molosse du Zaïre. German: Gallaghers Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence, ecological requirements, threats and conservation status (Mickleburgh *et al.*, 2008ag; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) [assessed as *Tadarida gallagheri*] (Mickleburgh *et al.*, 2008ag; IUCN, 2009). 2004 - CR D ver 3.1 (2001) (Mickleburgh *et al.*, 2004ai; IUCN, 2004). 2002 - CR: B1+2c (Mickleburgh *et al.*, 2002a: 22). 1996 - CE (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are unclear. It may be threatened by habitat loss, through the conversion of forest to agricultural use and timber extraction, however, this needs to be confirmed (Mickleburgh *et al.*, 2008ag; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ag) [in IUCN (2009)] report that there are no direct conservation measures in place for this species. It is not known if the species is present within any protected areas. Additional studies are needed into the distribution, abundance, natural history and threats to this poorly known species.

GENERAL DISTRIBUTION:
Chaerephon gallagheri has only been recorded from the type locality of 'Scierie Forest, 30 km of southwest Kindu, Kivu' in the Democratic Republic of the Congo. It may range more widely distributed, however, other surveys in the general area have not recorded this species.

Native: Congo (The Democratic Republic of the) (Gallagher and Harrison, 1977; Harrison, 1975a).

POPULATION:
Structure and Density - There is little information on the abundance of this species (Mickleburgh *et al.*, 2008ag; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008ag; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the).

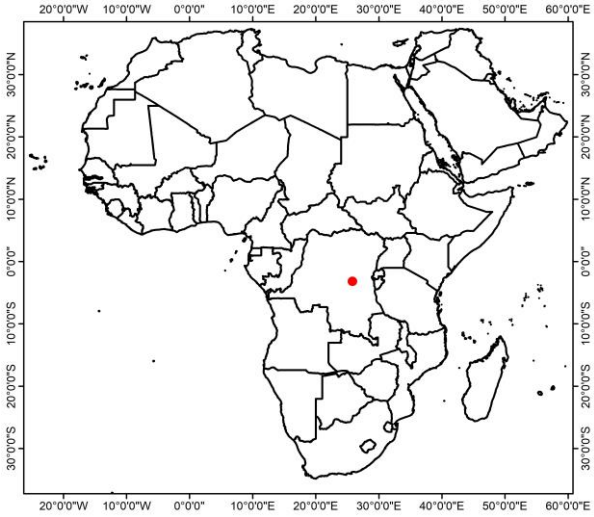

Figure 161. Distribution of *Chaerephon gallagheri*

Chaerephon jobimena Goodman and Cardiff, 2004

*2004. *Chaerephon jobimena* Goodman and Cardiff, Acta Chiropt., 6 (2): 230, fig 2, 3, 4. Type locality: Madagascar: Antsiranana province: Ankarana special reserve, 2.6 km E Andrafiabe: Andrafiaba cave, in forest near [12 55.9 S 49 03.4 E, ca. 50 m] [Goto Description]. Holotype: FMNH 169716: ad ♂, skin and skull. Collected by: Steven M. Goodman; collection date: 23 January 2001; original number: SMG 11932. See Goodman and Cardiff (2004: 230). - Etymology: From the northern dialects of Malagasy, with "*joby*" meaning dark or black and "*mena*" red. The combination refers to the two color morphs of this species (see Goodman and Cardiff, 2004: 230). (Current Combination)

TAXONOMY:
Lamb *et al.* (2011: 9) indicate that, although morphologically similar to other *Chaerephon* taxa, *jobimena* is genetically more similar to *Tadarida*.

COMMON NAMES:
Czech: morous malgašský. English: Black and Red Free-tailed Bat. French: Tadaride rouge ou noir. German: Variable Bulldoggfledermaus.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) because although it appears to be rather rare in the few areas where it is known to occur, it is widespread and its population status may not be related to the amount or state of native forest. Additional information are needed on its propensity for roosting in large colonies in synanthropic settings as this will be crucial to a better understanding of its conservation status (Andriafidison *et al.*, 2008l; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida jobimena*] (Andriafidison *et al.*, 2008l; IUCN, 2009).

MAJOR THREATS:
The threats to this species are not well known, but it is probably hunted in the south of Madagascar for food (Andriafidison *et al.*, 2008l; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008l) [in IUCN (2009)] report that this species is known from in or near to four protected areas, but is never as common or as abundant as other sympatric molossid species (Goodman and Cardiff, 2004; Goodman *et al.*, 2005a) and its conservation status should be reviewed in the future when new data are available. In particular, information on its propensity to dwell in buildings is needed.

GENERAL DISTRIBUTION:
Chaerephon jobimena is endemic to Madagascar where it is found from the north-west to the south-west of the island. It is known to occur in areas with dry deciduous or spiny forest from 50 to 870 m above sea level (Goodman and Cardiff, 2004; Goodman *et al.*, 2005a). Although further surveys may reveal that this species is more widespread than currently known, it has yet to be recorded

from some sites with extensive limestone caves, from where it would be expected based on habitat preference and distribution (Goodman and Cardiff, 2004; Goodman *et al.*, 2005a; Cardiff, 2006).
Native: Madagascar (Goodman and Cardiff, 2004; Goodman *et al.*, 2005a; Cardiff, 2006).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 61) report the following shape for the baculum of this species: the proximal portion is notably expanded. Its size decreases slightly in the mid-shaft portion, then more notably distally. The distal tip tapers to a rounded point. Length: 1.16 mm, width: 0.37 mm.

HABITAT:
Dammhahn and Goodman (2013: 108) indicate that this species' foraging habitat consists of open areas and the area above the forest canopy.

POPULATION:
Structure and Density - The population and local abundance of this species are not known, but at Ankarana the recorded roost is 1,200 individuals (S. G. Cardiff *pers. obs.*, in Andriafidison *et al.*, 2008l [in IUCN, 2009]). Forty individuals were recorded from a house roughly 10 km from Parc National de Namoroka (A. F. Kofoky *pers. obs.*, in Andriafidison *et al.*, 2008l [in IUCN, 2009]).

Trend - 2008 - Unknown (Andriafidison *et al.*, 2008l; IUCN, 2009).

PARASITES:
Hastriter (2016: 9) described the flea *Araeopsylla goodmani* from a male *C. jobimena* collected at Isalo, 3.8 km NW Ranohira, along Namaza River, Madagascar.

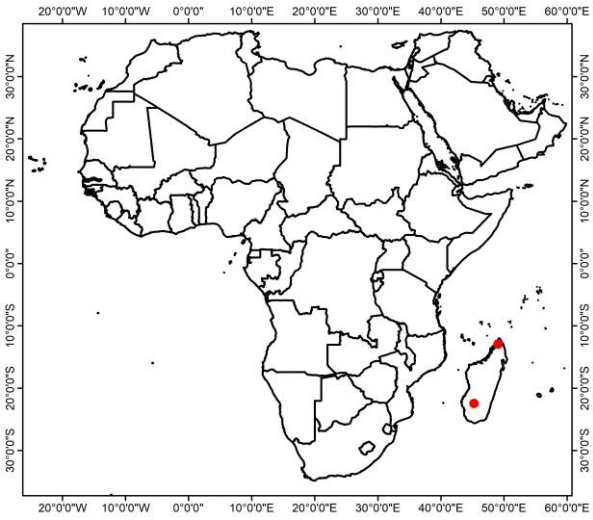

Figure 162. Distribution of *Chaerephon jobimena*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Chaerephon leucogaster (A. Grandidier, 1869)

*1869. *Nyctinomus leucogaster* A. Grandidier, Rev. Mag. Zool., ser. 2, 21: 337. Publication date: September 1869. Type locality: Madagascar: Mahab (?Mahabo) and Ménabé (E of Morondava) [20 23 S 44 40 E, 50 m] [Goto Description]. Neotype: FMNH 176137: ad ♂, skull and alcoholic. Collected by: Vola Razakarivony; collection date: 11 November 2002. - Comments: Ratrimomanarivo *et al.* (2009a: 28) mention "The only specimen possibly fitting the details of the Grandidier type is MCZ 45094, which is in poor condition and the original specimen label bears the following information: 'Cote Ouest' [= west coast], '*Nyctinomus pumelus* [sic]', 'collection Grandidier', and '1901'. Based on numerous characters, including aspects of external, cranial, and dental measurements as well as pelage and soft part coloration, this animal is referable to *C. leucogaster*. However, the collection details are too ambiguous to clearly conclude that this specimen can be considered the type of *C. leucogaster* described by Grandidier (1869) and, further, the skull is considerably damaged." They also select a neotype (FMNH 176137): "collected in the Menabe Region of western coastal Madagascar, specifically at Belo sur Mer (20°44.139'S, 44°00.266'E) at 10 m above sea level on 11 November 2002 by Vola Razakarivony. This site is approximately 80 km southwest of Mahabo. The animal is an adult male, the body was preserved in formalin and subsequently transferred to 70% ethanol, the skull has been extracted, cleaned, and is in excellent condition.". - Etymology: From the Greek "*leugos*" and "*gaster*" meaning white-bellied (see Kozhurina, 2002: 16).

1908. *Chœrephon websteri* Dollman, Ann. Mag. nat. Hist., ser. 8, 2 (12): 546. Publication date: 1 December 1908. Type locality: Nigeria: N Nigeria, on Bénoué river: Yola [09 12 N 12 29 E].

1917. *Chærephon (Lophomops) cristatus* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 463, text-fig. 10 A, B. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Kinshasa province: near mouth of Congo River: Boma [05 50 S 13 03 E] [Goto Description]. Holotype: AMNH 48844: ad ♂, skin and skull. Collected by: Herbert

Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 26 January 1915; original number: 2628.

1917. *Chærephon frater* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 456. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Kinshasa province: near Boma: Malela [05 57 S 12 38 E, 30 m] [Goto Description]. Holotype: AMNH 49275: ad ♀, skull and alcoholic. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 8 July 1915; original number: 2613. Topotype: MCZ 17219: ♀, alcoholic (skull not removed). Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 8 July 1915. Topotype: MCZ 17221: ♀, alcoholic (skull not removed). Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 8 July 1915.

1928. *Chærophon (Lophomops) nigri* Hatt, Bull. Soc. zool. France, 53: 374, text-fig. B. Publication date: 10 December 1928. Type locality: Mali: Timbuctu district: on Niger River: Bourem [16 59 N 00 20 W] [Goto Description]. Holotype: MNHN 736a: ad ♂, alcoholic (skull not removed). Collected by: Th. Monod; collection date: 6 January 1928. Paratype: AMNH 90390: ad ♂, skin and skull. Collected by: Th. Monod; collection date: 6 January 1928; original number: M.S.A.D. 736b. See AMNH website.

1956. *Chaerephon nigri:* Aellen, Mém. IFAN, 48A: 32. (Name Combination)

? *Chaerephon frater:* (Alternate Spelling)

? *Chaerephon leucogaster:* (Name Combination, Current Combination)

? *Chaerephon pumila cristata:* (Name Combination)

? *Chaerephon pumila websteri:* Holotype: BMNH 1908.10.6.8: ad ♀, skin and skull. Collected by: G.W. Webster; collection date: 27 July 1908; original number: 11. (Name Combination)

? *Chaerephon websteri:* (Alternate Spelling)

? *Tadarida frater:* (Name Combination)

? *Tadarida leucogaster leucogaster:* (Name Combination)

? *Tadarida leucogaster websteri:* (Name Combination)

? *Tadarida leucogaster:* (Name Combination)

? *Tadarida pumila frater:*

? *Tadarida websteri:* (Name Combination)

TAXONOMY:

Included in *pumilus* by Koopman (1993a: 233), Bouchard (1998: 1).

Considered a valid species in the genus *Tadarida (C.)* by Peterson *et al.* (1995: 152) and Russ *et al.* (2001). Considered a valid species in the genus *Chaerephon* by Hutson *et al.* (2001: 33), Goodman and Cardiff (2004: 227), Lavrenchenko *et al.* (2004b: 141), and Simmons (2005).

Russ *et al.* (2001) distinguish it from *C. pumilus* on smaller size and different echolocation calls. Ammerman *et al.* (2012: 23) indicate that the separation between *leucogaster* and *pumilus* took place less than 2 million years ago.

COMMON NAMES:

Czech: morous bělobřichý. English: Grandidier's Free-tailed Bat, Madagascan white-bellied Free-tailed Bat. French: Tadaride de Madagascar à ventre blanc, Tadaride à ventre blanc, Petite tadaride de Madagascar. German: Grandidiers Bulldoggfledermaus.

CONSERVATION STATUS:

Global - DD ver 2.3 (1994).

GENERAL DISTRIBUTION:

Ethiopia to Ghana, Nigeria, Cameroon (Bol *et al.*, 2011: 46; Bakwo Fils *et al.*, 2014: 4), Congo (Bates *et al.*, 2013: 336), Congo (Democratic Republic of the Congo?), Mali, Madagascar (Russ *et al.*, 2001), Nosy Be and Nosy Komba (Rakotonandrasana and Goodman, 2007: 6).

O'Brien (2011: 288) reports it further from the Comoros, and the Tanzanian islands of Pemba, Unguja [=Zanzibar], and Mafia.

BIOGEOGRAPHY:

Chaerephon leucogaster is found across an elevational range of 0 - 920 m a.s.l., and is confined almost exclusively to the more extensive and drier western portion of Madagascar (Lamb *et al.*, 2012: 19).

DETAILED MORPHOLOGY:

Baculum:

Rakotondramanana and Goodman (2017: 61) describe the baculum of *C. leucogaster* as "Eiffel tower shaped", with a bifurcated proximal tip that tapers abruptly to a distal point; length: 0.78 ± 0.072 (0.65 - 0.89) mm, width: 0.47 ± 0.055 (0.37

- 0.58) mm.

HABITAT:
Lamb *et al.* (2012: 29) indicate that the highly suitable habitat for this species was associated with low annual rainfall, high mean annual temperature, and high human influence.

Dammhahn and Goodman (2013: 108) indicate that this species' foraging habitat consists of open areas and the area above the forest canopy.

PREDATORS:
Goodman *et al.* (2015c: 78) found the remains of four individuals in pellets of Bat Hawk *Macheiramphus alcinus* Bonaparte, 1850 in western central Madagascar.

PARASITES:
BACTERIA
Gomard *et al.* (2016: 5) found 1 out of 94 tested bats to be positive for *Leptospira*.

SIPHONAPTERA
Ischnopsyllidae: *Lagaropsylla consularis* Smit, 1957 from Ethiopia, Kenya, Uganda, Congo and Congo (Democratic Republic of), Angola, Zimbabwe and Mozambique (Haeselbarth *et al.*, 1966: 190, host referred to as *Tadarida frater*).

VIRUSES:
Paramyxoviridae
Specimens from this species tested by Wilkinson *et al.* (2014: 8270) were found to be positive for paramyxoviruses.
Mélade *et al.* (2016b: 4) tested 94 Madagascan specimens, of which 6 were found positive for paramyxoviruses.

Rhabdoviridae
Mélade *et al.* (2016a: 6) tested 28 bats for *Duvenhage lyssavirus* and foud seroreactivlty in nine of them.

UTILISATION:
See Goodman *et al.* (2008d).

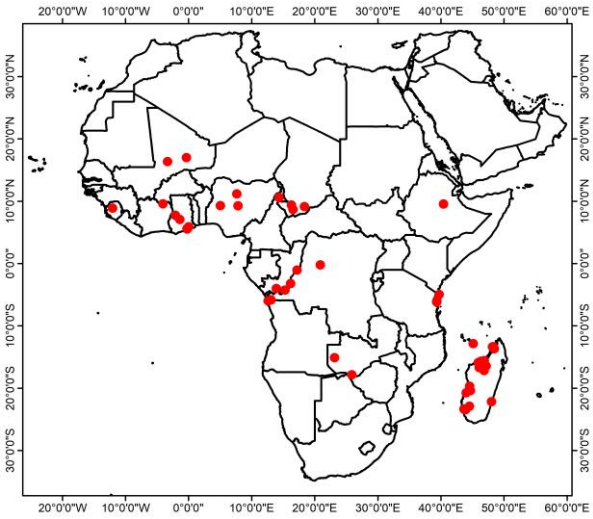

Figure 163. Distribution of *Chaerephon leucogaster*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Central African Republic, Chad, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Ghana, Madagascar, Mali, Mayotte, Nigeria, Sierra Leone, Tanzania, Zambia.

Chaerephon major (Trouessart, 1897)

*1897. *[Nyctinomus (Nyctinomus) pumilus] Var. Major* Trouessart, Catalogus Mammalium tam viventium quam fossilium, nov. ed. 1, pt. 1: 146. Publication date: 1897. Type locality: Sudan: N Sudan: 5th Cataract of the Nile [18 32 N 33 41 E] [Goto Description]. Holotype: BMNH 1849.2.8.36: Collected by: Sir Francis Galton. - Comments: Kock (1969a: 148) mentions "Nilus super = 5. Nil-Katarakt, nördlich Berber, Sudan" as original type locality. He also states that de Winton (1901a: 40) changed the type locality in "erster Kakarakt der Nil".). - Etymology: From the Latin "*maior*" (see Kozhurina, 2002: 16).

1901. *Nyctinomus Emini* de Winton, Ann. Mag. nat. Hist., ser. 7, 7 (37): 40. Publication date: 1 January 1901. Type locality: Tanzania: "Mosambiro" [=Usambiro] [03 00 S 32 34 E] [Goto Description]. Holotype: BMNH 1890.6.8.15: ad ♂, skin and skull. Collection date: 9 September 1889. Notes: Local name - 'Katunke'. - Comments: See Thorn *et al.* (2009: 72).

1917. *Chærephon (Lophomops) abæ* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 464, text-fig. 11. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Aba [03 53 N 30 17 E] [Goto Description]. Holotype: AMNH 48887: ad ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 17 December 1911; original number: 1823.

1967. *Tadarida (Chaerephon) pumila:* Happold, Sudan Notes & Records, 48: 122. - Comments: Preoccupied by *pumilus* Cretzschmar, 1830 (see Simmons, 2005). Attribution to *major* seems strange.

? *Chaerephon abae:* (Alternate Spelling)
? *Chaerephon major:* (Name Combination, Current Combination)
? *Tadarida (Chaerephon) major:* (Name Combination)
? *Tadarida abae:* (Name Combination)
? *Tadarida major:* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: morous nubijský. English: Large Wrinkle-lipped Bat, Lappet-eared Wrinkle-lipped Bat, Lappet-eared Free-tailed Bat, Giant gland-tailed bat. French: Tadaride à oreillettes, Grand molosse à glandes caudales. German: Stirnlappen-Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008ah; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida major*] (Mickleburgh *et al.*, 2008ah; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004am; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There are no major threats to this species. Some populations are threatened by general habitat loss and disturbance of old buildings (Mickleburgh *et al.*, 2008ah; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ah) [in IUCN (2009)] report that the species has a wide range, and likely occurs in some protected areas, although this needs to be confirmed. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Chaerephon major is a lowland species is found throughout much of West Africa (including Senegal, Liberia, Côte d'Ivoire, Mali, Burkina, Ghana, Togo, Benin, Niger, and Nigeria), as well as a narrow distribution following the Nile from northern Sudan to Uganda. A second population is known from the east of Lake Victoria in eastern Uganda, western Kenya, and north-western Tanzania. A third, apparently disjunct, population is present in southeastern Kenya and northeastern Tanzania.

The records from Liberia should be re-examined as they may represent a different species, while the record from Malawi is doubtful (J. Fahr *pers. comm.* 2004 in Mickleburgh *et al.*, 2008ah in IUCN, 2009).

Native: Benin (Capo-Chichi *et al.*, 2004: 163); Burkina Faso (Kangoyé *et al.*, 2015a: 617); Cameroon (Bakwo Fils *et al.*, 2014: 4); Congo (The Democratic Republic of the); Côte d'Ivoire; Ghana; Guinea; Kenya; Liberia; Mali; Niger; Nigeria; Senegal; Sudan; Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 63); Zambia (Monadjem *et al.*, 2010d: 541).

ECHOLOCATION:
From Maroua, Cameroon, Manga Mongombe (2012: 79) and Bakwo Fils *et al.* (2018: 4) reported for 16 calls a call type of FM and the following parameters: F_{max}: 39.3 ± 6.9 (31.9 - 53.1) kHz, F_{min}: 37.4 ± 6.7 (25.9 - 49.0) kHz, F_{mean}: 36.4 ± 6.7 (28.7 - 51.0) kHz, F_{knee}: 38.2 ± 7.3 (29.9 - 53.1) kHZ, F_{char}: 33.7 ± 7.3 (26.2 - 49.0) kHz, and duration: 1.66 ± 0.40 (0.85 - 2.73) msec.

POPULATION:
Structure and Density - This is a relatively common species, found in fairly small colonies (Mickleburgh *et al.*, 2008ah; IUCN, 2009).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008ah; IUCN, 2009).

PARASITES:
Beaucournu and Kock (1996) reported the first record for the flea *Lagaropsylla anciauxi* Smit, 1957 on "*Tadarida major*" from Burkina Faso.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Burkina Faso, Cameroon, Central African Republic, Congo (Democratic Republic of the), Ghana, Liberia, Mali, Niger, Nigeria, South Sudan, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

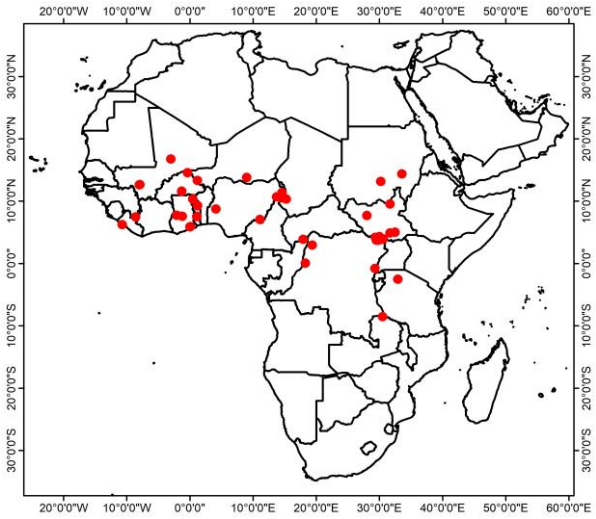

Figure 164. Distribution of *Chaerephon major*

Chaerephon nigeriae Thomas, 1913

*1913. *Chærephon nigeriæ* Thomas, Ann. Mag. nat. Hist., ser. 8, 11 (63): 319. Publication date: 1 March 1913. Type locality: Nigeria: Northern region: Zaria province [ca. 11 01 N 07 44 E] [Goto Description]. Holotype: BMNH 1911.3.22.1: ad ♀. Collected by: A.C. Francis Esq. Presented/Donated by: A.C. Francis Esq. - Etymology: From the genitive scientific Latin feminine substantive *nigèriae*, meaning "from Nigeria", as the species was described from a Nigerian specimen (see Lanza *et al.*, 2015: 277).
1957. *Tadarida (Chearephon) spillmani:* Ansell, Ann. Mag. nat. Hist., ser. 12 (10): 539. (Lapsus)
1988. *Tadarida chaeraphon nigeriae:* Okafor, Misc. Zool., 12: 11. (Lapsus)
2004. *Tadarida (Chaeraphon) nigeriae:* Okafor, Igbinosa and Ezenwaji, Anim. Res. Int., 1 (1): 64. Publication date: April 2004. (Name Combination, Lapsus)
? *Chaerephon nigerae:* (Lapsus)
? *Chaerephon nigeriae:* (Current Spelling)
? *Tadarida (Chaerephon) nigeriae nigeriae:* (Name Combination)
? *Tadarida nigeriae nigeriae:* (Name Combination)
? *Tadarida nigeriae:* (Name Combination)

TAXONOMY:
See Willis *et al.* (2002, Mammalian Species, 710).

This may be a complex of two distinct species, with *Chaerephon nigeriae* in the north of the known distribution and *C. spillmanni* in the south. We follow Simmons (2005) in currently recognizing *spillmanni* Monard, 1933 as a subspecies of *C. nigeriae*.

Herkt *et al.* (2017: Appendix S9) found that the localities in the southern part of the distribution area suggest rather different ecological niches than those for the northern part, which would suggest that more than one species might be included.

COMMON NAMES:
Afrikaans: Nigeriese losstertvlermuis. Azande (DRC): Fulo. Czech: morous nigerijský. English: Nigerian Free-tailed Bat, Nigerian Wrinkle-lipped Bat. French: Tadaride du Nigeria, Molosse du Nigéria. German: Nigeria-Bulldoggfledermaus. Italian: Cherefónte nigeriàno.

ETYMOLOGY OF COMMON NAME:
The species was originally described from a specimen from Nigeria (see Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008ai; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida nigeriae*] (Mickleburgh *et al.*, 2008ai; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004af; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2004 - considered a vagrant not assessed, not recorded in SA (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species (Mickleburgh *et al.*, 2008ai; IUCN, 2009). The ability of the species to exploit buildings as roosts, and its association with cleared rainforest in Nigeria, suggests that it is relatively resistant to anthropogenic impacts (Willis *et al.*, 2002).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ai) [in IUCN (2009)] report that in view of the species wide range, it is presumably present in some protected areas. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Chaerephon nigeriae is widely distributed over much of sub-Saharan Africa. It ranges from Sierra Leone in the west to Ethiopia in the east, being recorded as far south as Angola, Botswana and Zimbabwe. There are some additional records from the Arabian Peninsula in Yemen and western Saudi Arabia. The species has been found at elevations of up to 1,000 m asl, and possibly occur higher.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,133,308 km^2.

Native: Angola (Crawford-Cabral, 1989; Al-Jumaily, 2002: 55; Monadjem *et al.*, 2010d: 541); Botswana (Archer, 1977; Al-Jumaily, 2002: 55; Monadjem *et al.*, 2010d: 541); Burkina Faso (Kangoyé *et al.*, 2012: 6024; 2015a: 618); Burundi; Cameroon; Central African Republic (Al-Jumaily, 2002: 55); Chad (Al-Jumaily, 2002: 55); Congo; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Al-Jumaily, 2002: 55; Monadjem *et al.*, 2010d: 541); Côte d'Ivoire (Beaucournu and Fahr, 2003: 157; but see Al-Jumaily, 2002); Ethiopia (Al-Jumaily, 2002: 55); Ghana (Al-Jumaily, 2002: 55); Guinea (Al-Jumaily, 2002: 55); Malawi (Happold and Happold, 1997b: 823; Al-Jumaily, 2002: 55); Mali (Al-Jumaily, 2002: 55); Mozambique; Namibia (Al-Jumaily, 2002: 55; Monadjem *et al.*, 2010d: 541); Niger (Al-Jumaily, 2002: 55); Nigeria (Al-Jumaily, 2002: 55); Saudi Arabia (Nader and Kock, 1980); Sierra Leone (Al-Jumaily, 2002: 55); Sudan; Tanzania (Al-Jumaily, 2002: 55); Uganda (Al-Jumaily, 2002: 55); Yemen (Al-Jumaily, 2002: 55; Benda *et al.*, 2011b: 46); Zambia (Ansell, 1957; Ansell and Ansell, 1973; Cotterill, 2004a: 261; Al-Jumaily, 2002: 55; Monadjem *et al.*, 2010d: 541); Zimbabwe (Al-Jumaily, 2002: 55; Monadjem *et al.*, 2010d: 542).

Presence uncertain: Togo (Al-Jumaily, 2002: 55).

ECHOLOCATION:
See Taylor (1999b).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 48, FN = 62, BA = 16, a submetacentric X chromosome, and an acrocentric Y chromosome, for specimens from Namibia and Zimbabwe

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - This species is typically found in small groups of 10 to 15 animals, with maternity roosts being formed of up to 25 bats (Mickleburgh *et al.*, 2008ai; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008ai; IUCN, 2009).

PARASITES:
BACTERIA
Bartonellae
Kamani *et al.* (2014: 628) tested 16 Nigerian *C. nigeriae* animals, and found 2 of them testing positive for *Bartonella* DNA.

Helminths
Okafor *et al.* (2004: 64) investigated the helminth parasite load of 857 *C. nigeriae* specimens from Nigeria and found 658 (76.78 %) of them to be infected by 9 species: Nematodes: *Rictularia chaerephoni, Histostrongylus coronatus, Capillaria annulosa* Dujardin, 1845, *Cheiropteronema globocephala* Sandground, 1929, *Litosoma pujoli* Bain, 1966; Trematodes: *Posthodendrium panouterus, Castroia nyctali* Gvosdev, 1954; Cestodes: *Hymenolepis kerivoulae* (Prudhoe and Manger, 1969), *Oochoristica agamae* Bayliss, 1919.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Kenya, Namibia, Niger, Nigeria, South Africa, South Sudan, Tanzania, Uganda, Zambia, Zimbabwe.

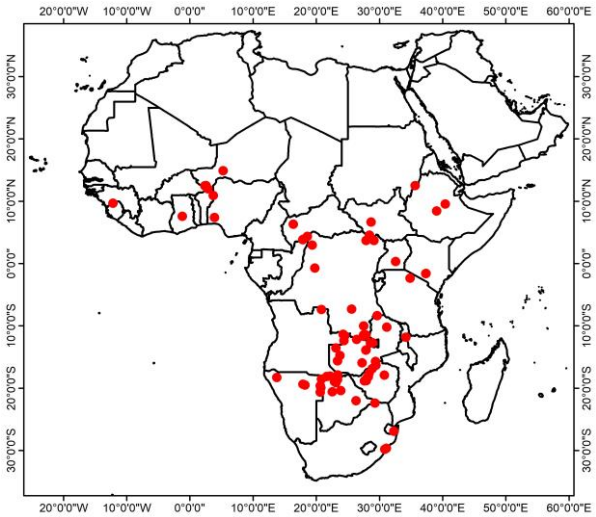

Figure 165. Distribution of *Chaerephon nigeriae*

Chaerephon nigeriae nigeriae Thomas, 1913

*1913. *Chærephon nigeriæ* Thomas, Ann. Mag. nat. Hist., ser. 8, 11 (63): 319. Publication date: 1 March 1913. Type locality: Nigeria: Northern region: Zaria province [ca. 11 01 N 07 44 E] [Goto Description]. - Etymology: From the genitive scientific Latin feminine substantive *nigèriae*, meaning "from Nigeria", as the species was described from a Nigerian specimen (see Lanza *et al.*, 2015: 277).
? *Chaerephon nigeriae nigeriae:* (Name Combination, Current Combination, Current Spelling)
? *Tadarida (Chaerephon) nigeriae nigeriae:* (Name Combination)
? *Tadarida nigeriae nigeriae:* (Name Combination)

GENERAL DISTRIBUTION:
E Côte d'Ivoire, Ghana, Benin, Togo, Nigeria, Cameroon, Central African Republic to NE Democratic Republic of the Congo; Niger; Chad; Ethiopia; Saudi Arabia (Harrison and Bates, 1991: 64).

Subsaharan Africa to NE Zaire: see Horácek *et al.* (2000: 137). E Côte d'Ivoire, Ghana, Benin, Togo, Nigeria, Cameroon, Central African Republic, N Zaire, Niger, Chad, Ethiopia: see Willis *et al.* (2002: 2).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Congo (Democratic Republic of the), Ghana, Nigeria, Sierra Leone.

Chaerephon nigeriae spillmanni (Monard, 1933)

*1933. *Nyctinomus spillmanni* Monard, Bull. Soc. Neuchât. Sci. nat., 57: 51 (for 1932?). Publication date: 1933. Type locality: Angola: South-Central Angola: Vila da Ponte [14 25 S 16 15 E].
1963. *Tadarida (Chaerephon) spillmanni:* Hayman. (Name Combination, Current Spelling)
1965. *Nyctinimus spillmani:* Koopman, Am. Mus. Novit., 2219: 21. Publication date: 22 June 1965. (Lapsus)
1967. *Tadarida nigeriae spillmanni:* Ansell, Arnoldia Rhod., 2 (38): 25. (Name Combination)
? *Chaerephon nigeriae spillmani:* (Lapsus)
? *Chaerephon nigeriae spillmanni:* (Name Combination, Current Combination)
? *Tadarida (Chærephon) spillmani:* (Name Combination, Alternate Spelling)

GENERAL DISTRIBUTION:
Southern Africa (Angola (Horácek *et al.*, 2000: 137), Namibia (Willis *et al.*, 2002: 2), Botswana (Willis *et al.*, 2002: 2), Zimbabwe (Wilson and La Val, 1974: 2), Zambia (Willis *et al.*, 2002: 2), S Democratic Republic of the Congo (Willis *et al.*, 2002: 2), Tanzania (Horácek *et al.*, 2000: 137).

PARASITES:
SIPHONAPTERA
Ischnopsyllidae: *Lagaropsylla lipsi* Smit, 1957 known only from the vicinity of Elisabethville, Katanga, Congo (Haeselbarth *et al.*, 1966: 191).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Congo (Democratic Republic of the), Malawi, Zambia, Zimbabwe.

Chaerephon pumilus (Cretzschmar, 1826)

*1826. *Dysopes pumilus* Cretzschmar, in: Rüppell, Atlas Reise Nördlichen Afrika, Zoologie Säugethiere, 1: 69, pl. 27a. Type locality: Eritrea: Massawa [15 37 N 39 26 E] [Goto Description]. Lectotype: SMF 4311: ♀, skin and skull. Collected by: Wilhem Peter Edward Simon Rüppell; collection date: 1825. Old catalog II.K.3.a: see Mertens (1925: 20). - Comments: The publication date of Cretzschmar's work is sometimes indicated as "1826" (as mentioned on the title page), but also as "1827", "1828", "1830-1831". - Etymology: From the masculine Latin adjective *pùmilus*, meaning "of short stature, dwarf or pygmy" as the species is a particularly small African molossid (see Lanza *et al.*, 2015: 282).

1838. *Nyctinomus pusilus:* Lesson, Compléments de Buffon, ed. 2, Paris, 1: 328. Publication date: 1838. (Lapsus)

1852. *Dysopes dubius* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 60, pl. 15, fig. 2. Publication date: 1852. Type locality: Mozambique: South bank of Zambezi River: Sena [17 28 S 35 01 E] [Goto Description]. Holotype: ZMB 85539: juv, skull only. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. Pullus specimen; see Turni and Kock (2008: 72). - Comments: Preoccupied by *dubius* A. Smith, 1833 (see Simmons, 2005). Allen (1939a: 111) also mentioned *Nyctinomus dubius* A. Smith, 1833 as a separate species. Turni and Kock (2008: 72) state that no other African molossid collected was ever identified with *D. dubius* until Ellerman *et al.* (1953: 68) synonymized it without any comment. Peters´ species description on the *pullus* specimen ZMB 85539 is very questionable, so they conclude that *dubius* is a *nomen dubium*.

1852. *Dysopes limbatus* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 56, pl. 14. Publication date: 1852. Type locality: Mozambique: Mozambique Island [15 03 S 40 46 E] [Goto Description]. Syntype: BMNH 1907.1.1.704:. Syntype: ZMB 537/85520: ad ♂, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008) [skin: ZMB 537 / skull: ZMB 85520]. Syntype: ZMB 538/85519: ad ♀, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008) [skin: ZMB 538 + skull: ZMB 85519]. Syntype: ZMB 539: juv, skin only. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008). - Comments: Peters (1852: 56) mentions "Africa orientalis, Insula Mozambique, Sena at 15° ad 17° Let. Aust.", and Roberts (1951: 98) "Mozambique Island and Sena"). Possibly valid as a subspecies. Considered a valid species by Peterson *et al.* (1995: 159).

1877. *Nyctinomus [(Nyctinomus)] limbatus:* Dobson, Proc. zool. Soc. Lond., 1876, IV: 724. Publication date: April 1877. (Name Combination)

1877. *Nyctinomus [(Nyctinomus)] pumilus:* Dobson, Proc. zool. Soc. Lond., 1876, IV: 723. Publication date: April 1877. (Name Combination)

1878. *Nyctinomus limbatus:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 428. - Comments: . (Name Combination)

1901. *Nyctinomus gambianus* de Winton, Ann. Mag. nat. Hist., ser. 7, 7 (37): 39. Publication date: 1 January 1901. Type locality: The Gambia: "Gambia" [Goto Description]. Holotype: BMNH 1889.10.7.3:.

1904. *Nyctinomus hindei* Thomas, Ann. Mag. nat. Hist., ser. 7, 13 (75): 210. Publication date: 1 March 1904. Type locality: Kenya: Fort Hall [=Muranga] [00 43 S 37 09 E, 4 000 ft] [Goto Description]. Holotype: BMNH 1903.3.2.4: ad ♂. Collected by: Mrs. Hildegarde Hinde; collection date: 1 January 1903; original number: 134. Presented/Donated by: Mrs. Hildegarde Hinde. - Comments: Possibly valid as a subspecies. Considered a valid species by Peterson *et al.* (1995: 159). Thomas (1904a: 210) mentions 2 specimens.

1916. *Chaerephon pumilus naivashæ* Hollister, Smiths. Misc. Coll., 66 (1) (2406): 4. Publication date: 10 February 1916. Type locality: Kenya: Naivasha Station [00 43 S 36 26 E] [Goto Description]. Holotype: USNM 166658: ad ♂, skull and alcoholic. Collected by: John

Alden Loring; collection date: 7 August 1909; original number: 6955. Topotype: ROM 36466: ad ♂, skin and skull. Collected by: John George Williams; collection date: 10 July 1965. Topotype: ROM 36467: ad ♀, skin and skull. Collected by: John George Williams; collection date: 17 July 1965. Topotype: ROM 36468: ad ♀, skin and skull. Collected by: John George Williams; collection date: 17 July 1965. Topotype: ROM 36469: ad ♀, skin and skull. Collected by: John George Williams; collection date: 17 July 1965. Topotype: ROM 36470: ad ♂, skin and skull. Collected by: John George Williams; collection date: 17 July 1965. Topotype: ROM 36471: ad ♀, skin and skull. Collected by: John George Williams; collection date: 10 August 1965. Topotype: ROM 36472: ad ♀, skin and skull. Collected by: John George Williams; collection date: 10 August 1965. Topotype: ROM 41842: juv ♂, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41843: juv ♀, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41844: juv ♂, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41845: juv ♂, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41846: juv ♂, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41847: juv ♂, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41848: juv ♀, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41849: juv ♀, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41850: ad ♂, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41851: ad ♀, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41852: ad ♀, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41853: ad ♂, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41854: ad ♂, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41855: ad ♀, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41856: ad ♀, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41857: ad ♂, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41858: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41859: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41860: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41861: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41862: juv ♀, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41863: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41864: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41865: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41866: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41867: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967.

Topotype: ROM 41868: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41869: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41870: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41871: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41872: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41873: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41874: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41875: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41876: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41877: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41878: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41879: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41880: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41881: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41882: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41883: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41884: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41885: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41889: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41890: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41891: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41892: ad ♂, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41893: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41894: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41895: ad ♀, skull and alcoholic. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41896: ad ♂, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41897: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41898: ad ♀, alcoholic (skull not removed). Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41899: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41900: ad ♂, complete skeleton. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41901: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41902: ad ♀, complete skeleton. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41903: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967.

Topotype: ROM 41904: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41905: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41906: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41907: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 41908: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 9 August 1967. Topotype: ROM 47000: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47001: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47002: ad ♂, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47003: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47004: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47005: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47006: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47007: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47008: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47009: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47010: ad ♂, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47011: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47012: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47013: ad ♂, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47014: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47015: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47016: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47017: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47018: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47019: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47020: ad ♂, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. Topotype: ROM 47021: ad ♀, skin and skull. Collected by: John George Williams; collection date: 30 June 1968. - Comments: Considered a valid species by Peterson *et al.* (1995: 157).

1926. *Chaerophon pumilus elphicki* Roberts, Ann. Transv. Mus., 11: 245. Publication date: 14 September 1926. Type locality: South Africa: SE Transvaal province: Barberton district: Malelane Estate [25 29 S 31 31 E] [Goto Description]. Holotype: TM 2488: ad ♂, skin and skull. Collected by: Captain G.J. Elphick; collection date: 30 March 1920.

1932. *Choerephon (Lophomops) langi* Roberts, Ann. Transv. Mus., 15 (1): 17. Publication date: 1 October 1932. Type locality: Botswana: N Bechuanaland, Ngamiland, Tsotsoroga Pan [18 40 S 24 25 E] [Goto Description]. Holotype: TM 6554: ad ♂, skin and skull. Collected by: The Vernay-Lang Kalahari Expedition 1930; collection date: 29 June 1930; original number: 870. - Comments: Possibly valid as a subspecies.

1951. *Tadarida (Chaerephon) faini* Hayman, Rev. Zool. Bot. afr., 45 (1-2): 82. Publication date: 22 December 1951. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Upper Congo, between Blukwa and Lake Albert: Wago Forest [ca. 01 44 N 30 39 E] [Goto Description]. Holotype: RMCA 20509: ad ♂, skin and skull. Collected by: Dr. Alexandre Fain; collection date: 1 June 1951; original number: 1. Paratype: BMNH 1951.629: ad ♀, skin and skull. Collected by: Dr. Alexandre Fain; original number: 2. - Comments: Possibly valid as a subspecies.

1975. *Chaerophon limbatus:* Durette-Desset and Chabaud, Ann. Parasit., 50 (3): 315. (Lapsus)

1999. *Chaerephon pumilla:* Dumont, Etzel and Hempel, Mammalia, 63 (2): 159. (Lapsus)

2017. *Chaerophon pumiluss:* Waruhiu, Ommeh, Obanda, Agwanda, Gakuya, Ge, Yang, Wu, Zohaib, Hu and Shi, Virol. Sin., 32 (2): 5. Publication date: 6 April 2017. (Lapsus)

? *Chaerephon cf. pumilus:*

? *Chaerephon limbatus:* (Name Combination)
? *Chaerephon pumila hindei:* (Name Combination)
? *Chaerephon pumila langi:* (Name Combination)
? *Chaerephon pumila limbata:* (Alternate Spelling)
? *Chaerephon pumila limbatus:* (Name Combination)
? *Chaerephon pumilus elphicki:* (Name Combination)
? *Chaerephon pumilus hindei:* (Name Combination)
? *Chaerephon pumilus langi:* (Name Combination)
? *Chaerephon pumilus limbatus:* (Name Combination)
? *Chaerephon pumilus naivashae:* (Alternate Spelling)
? *Chaerephon pumilus pumilus:* (Name Combination)
? *Chaerephon pumilus sensu lato:*
? *Chaerephon pumilus:* (Name Combination, Current Combination)
? *Chaerephon pusillus:*
? *Chaerophon pumilus:* (Name Combination)
? *Tadarida (Chaerephon) pumila frater:* (Name Combination)
? *Tadarida (Chaerephon) pumila:* (Name Combination)
? *Tadarida faini:* (Name Combination)
? *Tadarida limbata:* (Name Combination)
? *Tadarida naivashae:* (Name Combination)
? *Tadarida pumila elphicki:*
? *Tadarida pumila faini:* (Name Combination)
? *Tadarida pumila frater:* (Name Combination)
? *Tadarida pumila hindei:* (Name Combination)
? *Tadarida pumila langi:* (Name Combination)
? *Tadarida pumila limbata:* (Name Combination)
? *Tadarida pumila naivashae:* (Name Combination)
? *Tadarida pumila pumila:* (Name Combination)
? *Tadarida pumila pumila-limbata:*
? *Tadarida pumila pumila-naivashae:*
? *Tadarida pumila websteri:* (Name Combination)
? *Tadarida pumila:* (Name Combination)

TAXONOMY:

Figure 166. *Chaerephon pumilus*.

See Bouchard (1998, Mammalian Species, 574). Formerly included *pusillus*; see Hayman and Hill (1971: 64), but see Goodman and Ratrimomanarivo (2007: 391). The description date is sometimes mentioned as "1830 or 1831" (see Happold and Happold (1997b: 823). Peterson *et al.* (1995: 162) consider *pumilus* not to include most of the forms occurring on Madagascar. Horácek *et al.* (2000: 136) include *pumilus* in the genus *Tadarida*, subgenus *Chaerephon*. Taylor (1999b), Aspetsberger *et al.* (2003: 250; 252) indicate that cryptic species might exist within the genus *Chaerephon* (more specifically in *pumilus*), but find it premature to identify them already. Jacobs *et al.* (2004ar: 17) identified five haplotypes, but indicate they represent only one species.

Naidoo *et al.* (2013c: 134) indicate that southeast African *C. pumilus s.l.* contains several well-suported sympatric genetic lineages (they identified three clades), which exibit paraphyly with the Malagasy *C. leucogaster*. They were not able to to distinguish these clades based on echolocation characteristics (p. 137), but suggest that these stable sympatric lineages might be the result of female philopatry or roost faithfulness.

Naidoo *et al.* (2016) used cyt *b*, control region, and Rag2 data on a large number of representatives from the *Chaerephon pumilus* species complex from islands in the western Indian Ocean, and eastern and southeastern Africa. They found that *Chaerephon pumilus* s.s. (Eritrea and Yemen) is specifically distinct from the following taxa/samples: *C. pumilus* from southeastern Africa, the syntype of *C. limbatus*, the holotypes of

C. elphicki and *C. langi*, and the topotype of *C. naivashae*. They suggest (p. 642) that additional evidence from more variable nuclear markers is necessary to resolve the issue of the number of species present in this complex.

COMMON NAMES:
Afrikaans: Klein losstertvlermuis. Czech: morous malý, tadarida malá. English: Little Free-tailed Bat, Lesser Free-tailed Bat, Little Wrinkle-lipped Bat, White-bellied Free-tailed Bat. French: Petite tadaride, Petit molosse à glandes caudales, Tadaride bornée. German: Kleine Bulldoggfledermaus, Zwerg-Doggengrämler, Sena-Doggengrämler, Gesäumte Doggengrämler. Italian: Cherefónte pigmèo. Kiluba (DRC): Kasusu. Nyungwe: Kalemawalema (but not specific). Portuguese: Morcego pequeno de cauda livre.

ETYMOLOGY OF COMMON NAME:
From the Latin "*pumilus*" meaning dwarf, because it is the smallest of the molossids occuring in the (southern African sub)region (see Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a broad range of habitats, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008dr; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) assessed as *Tadarida pumila* (Mickleburgh *et al.*, 2008dr; IUCN, 2009).
2004 - LC ver 3.1 (2001) assessed as *Chaerephon pumila* (Mickleburgh *et al.*, 2004ah; IUCN, 2004).
1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016a). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There are no major threats to the species. In some parts of its range, it is threatened from persecution as a pest, especially since it roosts in buildings (Mickleburgh *et al.*, 2008dr; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dr) [in IUCN (2009)] report that in view of its wide range it seems probable that this species is present in some protected areas.

GENERAL DISTRIBUTION:
This widespread species is found from Senegal in the west of its range, eastwards to Yemen and southwestern Saudi Arabia, and as far south as South Africa, where Babiker Salata (2012: 49) found that its distribution is stongly associated with the mean temperature of the coldest quarter. It has been recorded from the island of Bioko and the Annobon Islands (Equatorial Guinea), Pemba and Zanzibar (Tanzania).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 809,867 km^2.

Records from Western Cape Province are rejected by Jacobs and Fenton (2001), since these represent *Sauromys petrophilus*.
Records from the Seychelles [Aldabra] (Hutson, 2004a) and the Comoros (Louette, 2004; Goodman, 2007; ACR, 2006, 2007, 2008, 2009, 2010) are rejected by Goodman *et al.* (2010a) since these represent *C. pusillus*.
Records from Madagascar (Bouchard, 1998; Russ *et al.*, 2001; Goodman and Cardiff, 2004; ACR, 2006, 2007, 2008, 2009,2010) are now assigned to *Chaerephon atsinanana* (Goodman *et al.*, 2010a).

Native:
Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 542); Benin (Capo-Chichi *et al.*, 2004: 164); Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 542); Burkina Faso (Kangoyé *et al.*, 2015a: 618); Burundi; Cameroon (Bakwo Fils *et al.*, 2014: 4): Chad; Congo (Bates *et al.*, 2013: 336); Congo (The Democratic Republic of the) (Allen, 1917; Schouteden, 1944; Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 542); Côte d'Ivoire; Equatorial Guinea [Annobón, Bioko]; Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 132); Gambia (Emms and Barnett, 2005: 50); Ghana; Guinea; Guinea-Bissau (Monard, 1939; Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 73); Kenya; Liberia (Fahr, 2007a: 104); Malawi (Happold *et al.*, 1988; Ansell and Dowsett, 1988: 46; Monadjem *et al.*, 2010d: 542); Mali (Meinig, 2000: 105); Mozambique (Smithers and Lobão Tello, 1976; Lopes and Crawford-Cabral, 1992; Monadjem *et al.*, 2010d: 542; Monadjem *et al.*, 2010c: 382); Namibia (Monadjem *et al.*, 2010d: 542); Niger; Nigeria; Rwanda; Sao Tomé and Principe [São Tomé] (Juste and Ibáñez, 1993b: 906; Rainho *et al.*, 2010a: 37); Saudi Arabia; Senegal; Sierra Leone; Somalia; South Africa (De Graaf, 1960; Monadjem *et al.*, 2010d: 542); Sudan; Swaziland (Monadjem *et al.*, 2010d: 543); Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 62); Yemen (Benda *et al.*, 2011b: 47); Zambia (Ansell, 1969; Ansell, 1973; Ansell, 1978; Monadjem *et al.*, 2010d: 543); Zimbabwe (Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 543).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
From western Uganda, Monadjem *et al.* (2011: 30) reported the following data: Fa: 38.95 mm, mass: 10.5 g, wing loading: 12.4 N/m^2, aspect ratio: 7.3.

DETAILED MORPHOLOGY:
Baculum - Unknown
Brain - Amrein *et al.* (2007) from specimens collected from Bénin reported moderate proliferating cell activity, detected with Ki-67 and MCM2, in the subgranular layer of the dentate gyrus, with doublecortin (DCX) they detected young migrating neuron in the subgrannular layer of the hippocampus. Amrein *et al.* (2007) also reported moderate to ample proliferating cells (Ki-67 positive cells) and migrating young neurons (DCX positive cells) in the rostral migratory stream. No NeuroD was detected in the hippocampal granule cells (Amrein *et al.*, 2007). Kruger *et al.* (2010a) describe, based on three brains from Kenya, using immunohistochemical methods, the nuclear organization of the cholinergic, catecholaminergic and serotonergic systems. Kruger *et al.* (2010b) describes, based on three brains from Kenya, the distribution of Orexin-A immunoreactive cell bodies and terminal networks.

ECHOLOCATION:
Frequency modulated call. In Kenya, Taylor *et al.* (2005) reported a peak frequency of 25.6 (1.7) kHz from Kivoko. In Tanzania, Aspetsberger *et al.* (2003) reported a maximum frequency of 22.7 (3.3) kHz from Amani Nature Reserve. In Swaziland, Taylor (1999b) reported a maximum frequency of 32.9 (4.5) kHz from Mlawula, and maximum frequencies at three different localities around Durban in South Africa of 43.0 (1.0) kHz, 28.7 (1.8) kHz and 28.7 (2.5) kHz. Fenton *et al.* (2004) reported a highest frequency of 29 (4.6) kHz for a locality in Durban, South Africa. Rainho *et al.* (2010a: 21) reports the calls [as *Tadarida pumila*] of 32 individuals from Sao Tomé. Bohmann *et al.* (2011: 1) [referring to Monadjem *et al.* (2010d)] mention peak frequencies between 25 - 40 kHz. Schoeman and Waddington (2011: 291) mention a peak frequency of 28.2 ± 1.5 kHz and a duration of 10.8 ± 0.2 msec for specimens from Durban, South Africa. From the Durban area, Naidoo *et al.* (2011: 23) report F_{peak} = 24.7 ± 1.0 kHz and a duration of 12.4 ± 0.9 msec.

Taylor *et al.* (2013b: 18) recorded the following parameters for 8 calls from specimens from Swaziland: F_{max}: 27.7 ± 4.40 (23.0 - 32.8) kHz, F_{min}: 23.3 ± 2.38 (20.9 - 27.4) kHz, F_{knee}: 26.2 ± 3.34 (22.6 - 30.8) kHz, F_{char}: 24.3 ± 2.91 (21.5 - 28.1) kHz, duration: 8.3 ± 2.10 (5.3 - 11.9) msec, and for 6 calls from KwaZulu-Natal, South Africa: F_{max}: 31.6 ± 4.05 (24.6 - 36.7) kHz, F_{min}: 24.5 ± 1.55 (21.7 - 26.5) kHz, F_{knee}: 28.9 ± 2.51 (24.4 - 31.3) kHz, F_{char}: 25.6 ± 1.57 (22.7 - 27.3) kHz, duration: 8.4 ± 1.71 (6.6 - 11.0) msec. From Swaziland also, Monadjem *et al.* (2017c: 179) reported the following values: F_{min}: 23.3 ± 1.41 (20.8 - 26.5) kHz, F_{knee}: 26.1 ± 2.09 (22.5 - 29.6) kHz, F_c: 24.0 ± 1.53 (21.3 - 27.2) kHz and duration: 9.0 ± 2.10 (3.9 - 12.6) msec. They were able to detect these calls up to a distance of 15 m.

At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 29 (24 - 31) kHz.
Linden *et al.* (2014: 40) mentioned the following parameters for the Soutpansberg area (RSA): F_{min}: 21 - 27 kHz, F_{char}: 22 - 28 kHz, F_{knee}: 23 - 31 Khz, Slope:13 - 124 OPS, duration: 5 - 12 msec.

Monadjem *et al.* (2011: 32) reported values for two calls from a *Chaerephon* cf. *pumilus* from western Uganda: F_{min}: 24.95 kHz, F_{max}: 27.78 kHz, F_{char}: 25.22 kHz, F_{knee}: 75.61 kHz, and duration 8.4 msec.

Two calls from specimens from the Aberdares Range in Kenya were reported by Eisenring *et al.* (2016: SI 2) with PF: 26.3 ± 2.8 (24.4 - 28.3), HF: 32.6 ± 1.2 (31.8 - 33.5), LF: 20.9 ± 0.4 (20.6 - 21.1), DT: 0.1 ± 0.1 (0.0 - 0.1), DF: 11.8 ± 1.5 (10.7 - 12.9).

From Maroua, Cameroon, Manga Mongombe (2012: 79) reported for 3 calls a call type of FM and the following parameters: F_{max}: 44.2 ± 3.4 (40.4 - 47.0) kHz, F_{min}: 38.2 ± 2.6 (35.3 - 40.4) kHz, F_{mean}: 41.2 ± 3.0 (37.9 - 43.7) kHz, F_{knee}: 44.1 ± 3.4 (40.4 - 47.0) kHZ, F_{char}: 39.1 ± 2.4 (36.5 - 41.2) kHz, and duration: 1.32 ± 0.11 (1.26 - 1.45) msec.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Đulic and Mutere (1973a), Smith *et al.* (1986), Rautenbach *et al.* (1993) and Sreepada *et al.* (2008) all reported 2*n* = 48, and an acrocentric Y chromosome. However, while Đulic and Mutere (1973a) and Smith *et al.* (1986) reported FN = 58, BA = 12, Rautenbach *et al.* (1993) reported FN = 66, BA = 20. And, while Đulic and Mutere (1973a) and Rautenbach *et al.* (1993) reported a metacentric X chromosome, Smith *et al.* (1986) reported a submetacentric X chromosome. The work of Rautenbach *et al.* (1993) included specimens from the Western Cape that have subsequently been reidentified as *Sauromys petrophilus* (Jacobs and Fenton, 2001: 134), hence these karyotypic variations should be viewed with caution.
Reddy (2008: ii) used the cytochrome *b* (845 nucleotides) and D-loop (314 nucleotides) regions of the mitochondrial DNA to assess the

phylogenetic relationships within *C. pumilus* (southern Africa) and in relation to *Chaerephon* species from Madagascar (*C. pumilus, C. leucogaster*). The result indicates the possibility of cryptic species in southern African *C. pumilus*, which are closer related to the Malagasy *C. leucogaster* than to the Malagasy *C. pumilus*.

In South Africa, Naidoo *et al.* (2015b) were able to retrieve a strong mitochondrial structure, but only little nuclear genetic structure, which suggests a single interbreeding population. They found these data to be consistent with female philopatry, secondary contact between diverged genetic lineages and introgression.

Protein / allozyme - Unknown.

HABITAT:
Noer *et al.* (2012: 1) found that *C. pumilus* prefered to forage over sugarcane fields rather than over savanna, riparian forest and urban areas. To reach their foraging grounds, they traveled up to 4.2 km from their roost, and their mean activity area encompases 976 to 1319 ha.

HABITS:
Bouchard (2001b: 109) found that, in scent-choise-experiments, only males were able to distinguish the gender of conspecifics as well as the difference between roostmates and strangers. Females did not show any preference during these experiments.

ROOST:
Taylor *et al.* (1999: 67) found these bats to be roosting in a variety of roofs in the Durban area: from corrugated iron to tiles, between the tiles and the plastic lining underneath, or in any convenient crevices between rafters and brickwork. These roofs were located at a height of 3 to 12 m.

In the Mount Nimba area, Monadjem *et al.* (2016y: 367) found a roost in the roof of a school at 540 m.

DIET:
Based on DNA analysis of 59 fecal pellets collected between April and May (austral summer) in the Simunye region of Swaziland, Bohmann *et al.* (2011) reported insects from 24 families (belonging to seven orders) being taken as prey. The highest frequency of occurrence was for Lepidoptera (52.5 %), Diptera (40.7 %), and Hemiptera (18.6 %). Within the Lepidoptera, Noctuidae (Owlet moths - 25.4 %), Nymphalidae (Brush-footed butterflies 30.5 %) and Crambidae (Grass moths - 10.2 %) were found the most. Within the Diptera, it were representatives of the Culicidae (Mosquitoes - 27.1 %), which occurred most frequently, followed by the Tephritidae (Fruit flies and kin - 10.2 %). In the Hemiptera, both Lygaeidae (Chinch bugs and seed bugs) and Pentatomidae (Stink bugs) were found in 10.2 % of the fecal pellets.

Naidoo *et al.* (2011: 26) reported the following volume percentages in the bat's diet at Umbilo River (KwaZulu Natal, RSA): in summer: Lepidoptera (9.9 ± 9.5), Coleoptera (47.7 ± 30.5), Hemiptera (32.8 ± 6.9), Diptera (5.4 ± 8.3), and Trichoptera (4.2 ± 7.2); in winter: Lepidoptera (30.3 ± 16.0), Coleoptera (19.5 ± 16.5), Hemiptera (8.0 ± 7.4), Diptera (24 ± 7.7), Trichoptera (6.5 ± 10.4), and Hymenoptera (11.8 ± 11.1).

In the Limpopo province (RSA), Taylor *et al.* (2017b: 246, 252 - 254) found the diet to contain 21 prey items, covering five insect orders: Coleoptera (unmatched), Hemiptera (*Macrorhaphis acuta* + *Nezara viridula* + unmatched), Lepidoptera (*Toxocampinae tathorhynchus* + *Isturgia roraria* + *Sena* sp. + *Sena prompta* + *Cortyta canescens* + *Enmonodia capensis* + *Leucania imperfecta* + *Pericyma atrifusa* + *Rhesala moestalis* + *Spodoptera exigua* + *Maurilia arcuata* + *Stenoptilia* sp. + unmatched), Orthoptera (Tettigoniinae + unmatched) and Blattodea (unmatched). They also remarked that the diet of *C. pumilus* varies geographically.

PREDATORS:
At the Kruger Park, Rautenbach *et al.* (1990: 17) reported that "*Tadarida pumila*" was regularly taken as prey by a pair of African goshawks (*Accipiter tachiro* (Daudin, 1800)). On some occasions, 1 to 5 bats were taken per evening (see Kemp and Rautenbach, 1987).
Mikula *et al.* (2016: Supplemental data) mention the following avian predators for "*Tadarida pumila*": African goshawk (*Accipiter tachiro* (Daudin, 1800)), Fox kestrel (*Falco alopex* (Heuglin, 1861)), Lanner falcon (*Falco biarmicus* Temminck, 1825), Eurasian hobby (*Falco subbuteo* Linnaeus, 1758), Common kestrel (*Falco tinnunculus* Linnaeus, 1758), Wahlberg's eagle (*Hieraaetus wahlbergi* (Sundevall, 1851)), Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850), Black kite (*Milvus migrans* (Boddaert, 1783)).

POPULATION:
Structure and Density - The colonies of this species range from a few animals (between 5 and 20) to hundreds of individuals (Mickleburgh *et al.*, 2008dr; IUCN, 2009).
Trend - 2008 Unknown (Mickleburgh *et al.*, 2008dr; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
van der Merwe *et al.* (1986: 355) indicate that in Transvaal *C. pumilus* has an extended breeding of

8 months. They found females to be polyoestrous and could have up to three pregnancies (one young) per breeding season. Implantation only occurs in the right uttering horn and the gestation period was about 60 days. The young are weaned before 21 days of age and females become sexually mature at the age of 5 to 12 months.

Happold and Happold (1989b: 133) found that in Malawi, *Tadarida pumila* can have up to 5 births per year, all followed by a post-partum oestrus.

Krutzsch (2000: 95) refers to Marshall and Corbet (1959), who pointed out that in Uganda spermatogenesis was not continuous in all males (as *Tadarida (Chaerephon) hindei*). They also indicated that it is one of the best known virtually continuous breeding molossids.

le Grange *et al.* (2011: 173 - 174) indicate that *C. pumilus* is a seasonal polyoestrous bat, which reduces the number of reproductive cycles per season with increasing latitute.

In Ethiopia, Kruskop *et al.* (2016: 61) found a maternity colony with both pregnant and lactating females (one even in both stages) on 9 November 2012.

MATING:
McWilliam (1988a) and McCracken and Wilkinson (2000: 331) indicate that there is a correlation between the male body size and the harem size, where larger males have larger harems, consisting of up to 21 females). McWilliam (1988a) also suggests that the harem might be kin groups.

PARASITES:
BACTERIUM
Gram-negative bacterium - Cassel-Béraud and Richard (1988), Cassel-Beraud *et al.* (1989: 234), and Sara (2002: 41) reported *Alkalescens dispar*, *Aeromonas hydrophila*, *Citrobacter freundii*, *Enterbacter aerogens*, *Enterobacter agglomerans*, *Enterobacter cloacae*, *Enterobacter intermedius*, *Enterobacter* sp., *Escherichia coli*, *Hafnia alvei*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Kluyvera* sp., *Koserella trabulsii*, *Proteus mirabilis*, *Proteus morganii*, *Proteus rettgeri*, *Proteus vulgaris*, *Providencia* sp., *Pseudomonas* spp., *Salmonella enterica* subsp. *enterica*, *Salmonella enteritidis*, and *Serratia marcescens*.

APICOMPLEXA
Duszynski (2002: 20) indicates that "*C. pumila*" is the type host of *Eimeria dukei* Lavier, 1927.

ACARI
Fain (1959d: 149) described *Notoedres (Notoedres) tadaridae* (Sarcoptidae) from "*Tadarida (Chaerephon) faini*" from Mount Wago, near Blukwa, Haut-Ituri, DRC.

HEMIPTERA
Cimicidae: Haeselbarth *et al.* (1966: 9) found a great number of *Loxaspis barbara* (Roubaud, 1913) in a roost, near Mopti, Former French Sudan (Haute Senegal-Niger). *Loxaspis miranda* Rothschild, 1912 recorded in Uganda (Haeselbarth *et al.*, 1966: 10, host referred to as *Tadarida limbata*).
Polyctenidae: *Hypoctenes clarus* Jordan, 1922, from Congo (Haeselbarth *et al.*, 1966: 18, host referred to as *Tadarida limbata*).

DIPTERA
Streblidae: *Raymondia seminuda* Jobling, 1954 in Nairobi, Kenya (Haeselbarth *et al.*, 1966: 103, host referred to as *Tadarida faini*).
Nycteribiidae: *Basilia ansifera* Theodor, 1956 mainly a West African species, reaching Lake Victoria in the east and Lake Nyasa in the south, nearly all localities lie between 15° latitude north and south (Haeselbarth *et al.*, 1966: 110). *Dipseliopoda biannulate* (Oldroyd, 1953) distributed over the tropical parts of Africa and recorded from localities in Nigeria, Cameroon, the Congo and the Sudan and Kenya (Haeselbarth *et al.*, 1966: 116, host referred to as *Tadarida faini*).

SIPHONAPTERA
Ischnopsyllidae: *Lagaropsylla consularis* Smit, 1957 from Ethiopia, Kenya, Uganda, Congo and Congo (Democratic Republic of), Angola, Zimbabwe and Mozambique (Haeselbarth *et al.*, 1966: 1990, host referred to as *Tadarida limbata*), Malawi (Beaucournu and Kock, 1996), Madagascar (Hastriter, 2016: 16). *Lagaropsylla idae* Smit ,1957 widespread in tropical Africa (Haeselbarth *et al.*, 1966: 190, host referred to both *C. pumilus* as well as *Tadarida limbata*). *Lagaropsylla oblique* Smit, 1957 from Sierra Leone, Cameroon and the Congo (Haeselbarth *et al.*, 1966: 191, host referred to as *Tadarida limbata*).

NEMATODA
Durette-Desset and Chabaud (1975: 315) described *Molinostrongylus benexae* from a "*Chaerophon limbatus*" from Périnet, Madagascar.

TREMATODA
Prosthodendrium (Prosthodendrium) chilostomum madagascariense was described by Richard (1966: 423) from a "*Chaerophon limbatus*" from Périnet, Madagascar.

VIRUSES:
Conrardy *et al.* (2014) tested 6 bats sampled in Kenya for the presence of adenoviruses,

rhabdoviruses and paramyxoviruses, all samples tested negative.

In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Chaerephon pumilus*: Astroviruses and Coronaviruses.

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 to 1999, for antibody to SARS-CoV in sera in 35 individuals from Limpopo Province, South Africa, none were tested positive (0/35) and 18 individuals from Mpumalanga Province, South Africa, none tested positive (0/18) and one individual from Bandundu Province, DRC, not tested positive (0/1). Tong *et al.* (2009) report the detection of coronavirus RNA from fecal material of this species in Kenya and was found to be distantly related to the human coronavirus 229E.
Anthony *et al.* (2017b: Suppl.) mention the alpha-coronavirus: Charephon_CoV_KY22

Filoviridae
Ebolavirus:
EFSA AHAW Panel (EFSA Panel on Animal Health and W (2017: 5) refer to Swanepoel *et al.* (1996), who experimentally inoculated the virus in this bat.

Flaviviridae
Flavivirus
Bukalasa bat virus – Williams *et al.* (1964) report the isolation of the virus in Uganda, 1964, from the salivary glands of *Chaerephon pumilus*. Reported by de Jong *et al.* (2011: 10) and Luis *et al.* (2013: suppl).
Dakar bat virus – Kemp *et al.* (1974) report the isolation of the virus from Nigeria, 1974, from the salivary glands and organ pools of *Chaerephon pumilus*. Reported by de Jong *et al.* (2011: 10) and Luis *et al.* (2013: suppl).
Entebbe bat virus. – Peat and Bell (1970) report the isolation of the virus in Uganda, 1957, from the salivary glands of *Chaerephon pumilus*. Reported by de Jong *et al.* (2011: 10).

Rhabdoviridae
Lyssavirus - Rabies related viruses
Horton *et al.* (2014: Table S1) tested 25 Tanzanian *Chaerephon pumilus* specimens but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus). Kia *et al.* (2014: 1) tested 33 specimens from Kanke (Nigeria), and found one of them to test positive for Lagos bat virus and one for Shimoni bat virus.

Togaviridae
Alphavirus
de Jong *et al.* (2011: 10) reported Chikungunya virus occurring on *C. pumilus*. Luis *et al.* (2013: suppl.) also reported this virus, but used *Tadarida pumila* as name for the bat.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Comoros, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Madagascar, Malawi, Mali, Mayotte, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

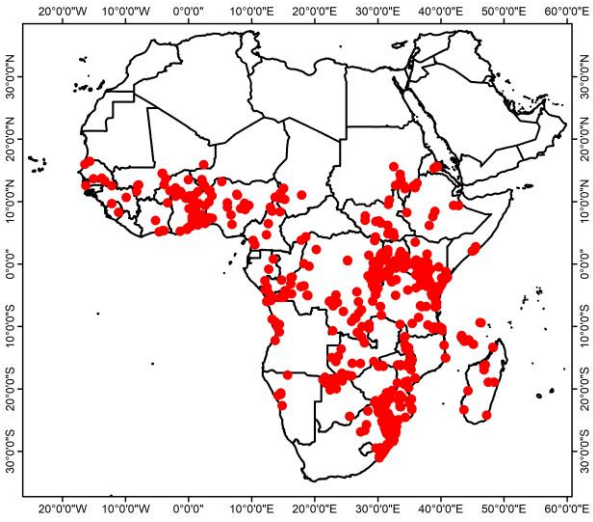

Figure 167. Distribution of *Chaerephon pumilus*

Chaerephon pusillus (Miller, 1902)

1838. *Nyctinomus pusilus:* Lesson, Compléments de Buffon, ed. 2, Paris, 1: 328. Publication date: 1838. (Lapsus)
1879. *Nyctinomus pumilus:* Gunther. Publication date: 1879.
*1902. *Nyctinomus pusillus* Miller, Proc. Biol. Soc. Wash., 15: 245. Publication date: 16 December 1902. Type locality: Seychelles: Aldabra Island [Goto Description]. Holotype: USNM 20991: ♀, skull and alcoholic. Collected by: Dr. William Louis Abbott. Holotype: USNM 37852: ad ♀, skull and alcoholic. Collected by: Dr. William Louis Abbott. Alcoholic catalogued: 30 June 1893, skull catalogued: 12 February 1900. Poole and Schantz (1942:

120) also mention the number as 20991/37852, and furthermore indicate "Type designated by No. 37852/20997, an error for 20991/37852".
1971. *Tadarida pumila:* Hayman and Hill. Publication date: 1971.
1981. *Tadarida (Chaerephon) pumila:* Freeman. Publication date: 1981.
2004. *Chaerephon pumila:* Louette. Publication date: 2004.
2004. *Tadarida pumilus:* Louette. Publication date: 2004.
2007. *Chaerephon pusillus:* Goodman and Ratrimomanarivo. (Name Combination, Current Combination)
? *Chaerephon pumila:*
? *Chaerephon pumilus:*

TAXONOMY:
Included in *pumilus* by most other authors, but its status has been revised by Goodman and Ratrimomanarivo (2007: 391) and Goodman *et al.* (2010a: 21).

COMMON NAMES:
Czech: morous seychelský. English: Seychelles Free-tailed bat. French: Tadaride des Seychelles. German: Seychellen Bulldoggfledermaus.

GENERAL DISTRIBUTION:
C. pusillus was restricted to the Seychelles, but recent molecular work (Goodman *et al.*, 2010a) indictes that the populations on the Comore Islands should assigned to *C. pusillus* and not *C. pumilus*.
Louette (2004) recorded as *Tadarida pumilus* occurs on at least three of the Comore Islands (Grande Comore, Anjouan, and Mayotte. Goodman *et al.* (2010c: 126) also recorded *Charephon pusillus* from Moheli. Its known elevational range is 15 to 250 m on Grande Comore, 5 to 410 m on Anjouan, 5 to 10 m on Moheli, and 10 to 90 m on Mayotte (Goodman *et al.*, 2010c: 126).

Native: Comoros (Louette, 2004; Goodman *et al.*, 2010c: 126); Seychelles (Goodman *et al.*, 2010c: 126).

ROOST:
On the Comoros, Goodman *et al.* (2010c: 127) did not find a single roost in a natural location, but rather all were synanthropic (see also Wilkinson *et al.*, 2012: 160). The roosts sites were often in the attics of public buildings (schools, civic centers, and hospitals).

MIGRATION:
Goodman *et al.* (2010c: 128) interviewing a director of a primary school on Mitsamiouli mentioned that the presence of bats in the school attic is very seasonal, and as the cold season approaches the site is abanodoned.

POPULATION:
Structure and Density - On Aldabra, the population might be fewer than 250 animals (Mickleburgh *et al.*, 2008dr; IUCN, 2009, as *C. pumilus*).
Trend - Unknown.

REPRODUCTION AND ONTOGENY:
Goodman *et al.* (2010c: 126) provide data that indicates possible inter island seasonal variation in breeding in the Comoros. On 14 November 2006, all of the 10 individuals caught in a colony in central Moroni were female and all reaching term in their pregnancy with single embryos measuring 17 - 20 mm. The same colony was visited on the 28 March 2007, an additional 10 individuals were captured, all of which were females of which five had placental scars, four assumed to be sub-adults without placental scars, and one had a tiny embryo. Juste (unpublished data in Goodman *et al.* (2010c: 127)) report that the site was visited in December 2005, and all of the 20 individuals caught were female. As no males were caught on the two visits with a 5 month difference, Goodman *et al.* (2010c: 127) presumes that this site is a maternity colony.

Between 20 November and 26 November 2006, Goodman *et al.* (2010c: 127) visited five different *C. pusillus* colonies on Anjouan and in contrast to the Moroni site, these colonies contained both males and females. At three of the sites on Anjouan, females out numbered males with a consistent sex ratio in each case of 0.5, and at one site the sex ratio was 1.0, and the fifth site it was 1.6. Goodman *et al.* (2010c: 127) found at all the colonies, the breeding females were reaching term, with embryos ranging in crown-rump length from 17 - 23 mm, and at one site neonates were present. Of the 25 males captured at the Anjoun sites, all were adult, only seven (28 %) had scrotal testes and convoluted epididymides. The only evidence of non-synchronized breeding in *C. pusillus* on Anjouan was a free-flying animal captured at Patsi on 20 November with a single embryo measuring 1 mm in crown rump length.

Goodman *et al.* (2010c: 127) report on a visit between 28 November and 2 December 2006 that two separate colonies on Moheli were visited and both male and females were captured and the sex

ratios were 0.57 and 0.66. At the first colony visited 28 November, of the seven females captured, four had recently given birth and were lactating and three had single embryos measuring 24 mm in crown-rump length. At the second site visited on the 2 December, all of the females were still pregnant with single embryos and with crown-rump length of 19 - 22 mm. Of the males handled from these two colonies, three of 12 (25 %) were in breeding condition with largely scrotal testes with enlarged epididymides.

On Mayotte, between 27 February and 1 March 2007, two colonies were visited and both had males and females, not one of the females showed signs of active reproduction, in serveral cases the females had remaining lactation tissue and placental scars or large mammae and placental scars, indicating that they had recently terminated a breeding period, also none of the males caugth were in reproductive condition (Goodman *et al.*, 2010c). Four different colonies were visted on Grande Comore between 29 March and 1 April 2007, and in all cases, both sexes were found in each and the sex ratio varied from 0.15 to 2.3, with one exeption none of the individuals showed active signs of reproduction, although many of the females had large mammae and placental scars. The exeption was a female captued on the 29 March in estrous (Goodman *et al.*, 2010c: 127).

PARASITES:
Lagadec *et al.* (2012: 1696) found this species to be infected by *Leptospira* bacteria.

Hutson (2004a: 130) mentions an endemic ectoparasitic polyctenid bug, *Hypoctenes hutsoni* Maa, 1970.

VIRUSES:
Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 20 individuals from the Comoros using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 0 positive results for viral nucleic acids.

Rhabdoviridae
Of the 19 bats from Anjouan that were tested by Mélade *et al.* (2016a: 6), two showed seroreactivity to *Lagos bat lyssavirus*, and two of seven other bats showed the same reaction to *Duvenhage lyssavirus*. On Mayotte, one out of three were positive for these two viruses.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Comoros, Gabon, Mayotte, Seychelles, Tanzania, Uganda.

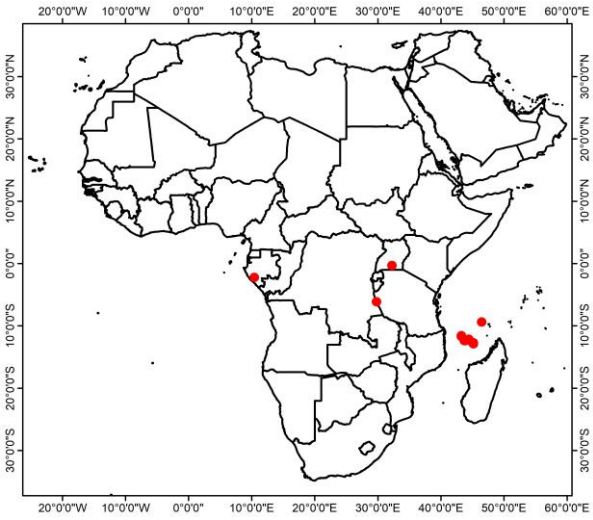

Figure 168. Distribution of *Chaerephon pusillus*

Chaerephon russatus J.A. Allen, 1917

*1917. *Chærephon russatus* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 458, text fig. 25. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Medje [02 25 N 27 18 E, 800 m] [Goto Description]. Holotype: AMNH 48925: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 8 September 1910; original number: 993. Topotype: MCZ 17386: ♀, skin and skull. Collection date: 8 September 1910. Topotype: MCZ 17387: ♀, skin and skull. Collection date: 8 September 1910.
? *Chaerephon russata:* (Alternate Spelling)
? *Chaerephon russatus:* (Current Combination, Current Spelling)
? *Tadarida russata:* (Name Combination)

TAXONOMY:
See Simmons (2005).

Gregorin and Cirranello (2015: 10) suggest that *Chaerephon russatus* is the basalmost branch of the *Chaerephon* + *Mops* clade within the Molossidae.

COMMON NAMES:
Czech: morous guinejský. English: Russet Wrinkle-lipped bat, Russet Free-tailed Bat. French: Tadaride rousse. German: Rostfarbene

Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Mickleburgh *et al.*, 2008bu; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) assessed as *Tadarida russata* (Mickleburgh *et al.*, 2008bu; IUCN, 2009).
2004 - NT ver 3.1 (2001) assessed as *C. russata* (Mickleburgh *et al.*, 2004aj; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).
MAJOR THREATS:
It is presumably threatened by habitat loss in parts of its West African range, although further studies are needed to confirm this (Mickleburgh *et al.*, 2008bu; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bu) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. The species has been recorded from the Hell's Gate National Park in Kenya and Tai National Park in Côte d'Ivoire. Further studies are needed into the distribution, natural history and threats to this species.

GENERAL DISTRIBUTION:
Chaerephon russatus has only been recorded from a dozen or so, widely dispersed, localities. It has been recorded from the Tai National Park in Côte d'Ivoire in the west to the Hell's Gate Canyon National Park in Kenya.

Native: Cameroon; Congo (The Democratic Republic of the); Côte d'Ivoire (Beaucournu and Fahr, 2003: 157); Ghana; Guinea (1st record: Decher *et al.*, 2016: 275); Kenya.
POPULATION:
Structure and Density - It is believed to be a quite rare species that occurs in small colonies (Mickleburgh *et al.*, 2008bu; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008bu; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Guinea, Kenya.

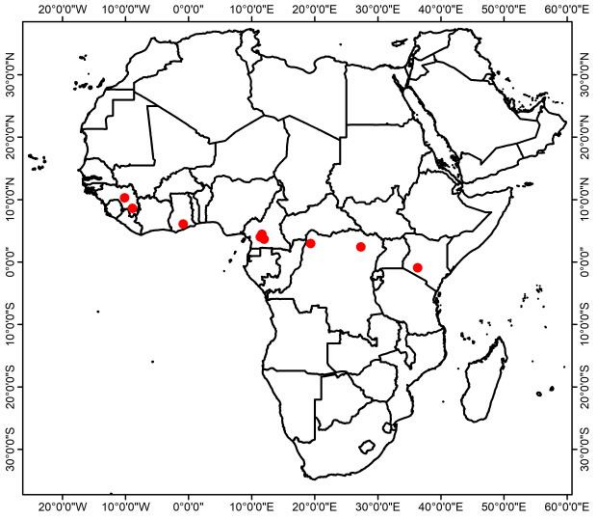

Figure 169. Distribution of *Chaerephon russatus*

Chaerephon tomensis (Juste and Ibáñez, 1993)

*1993. *Tadarida (Chaerephon) tomensis* Juste and Ibáñez, J. Mamm., 74 (4): 901, figs 1 - 2. Publication date: November 1993. Type locality: São Tomé and Principé: São Tomé Island: 3 km NW Guadalupe: Praia das Conchas [00 24 N 06 37 E] [Goto Description]. Holotype: EBD MAM 18256: ♀, complete skeleton. Collected by: Javier Juste and Antonio Ayong; collection date: 22 April 1988; original number: B7085. Paratype: EBD MAM 17371: ♀. Collected by: Javier Juste and Carlos J. Ibáñez Uargui; collection date: 11 April 1988. From Agua Izé. Paratype: EBD MAM 17734: ♀. Collected by: Javier Juste and Antonio Ayong; collection date: 22 April 1988. - Etymology: Referring to the island of São Tomé, where the species occurs.
? *Chaerephon tomensis:* (Name Combination, Current Combination)
? *Tadarida tomensis:* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: morous tomášský. English: São Tomé Free-tailed Bat. French: Tadaride de São Tomé. German: São Tomé-Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Endangered (EN B1ab(iii) ver 3.1 (2001)) because its extent of occurrence is less than 1000 km^2, all individuals are in a single location (the island of São Tomé), and there is continuing decline in the extent and quality of its lowland habitat (Mickleburgh *et al.*, 2008dl; IUCN, 2009).

Assessment History -
2008 - EN B1ab(iii) ver 3.1 (2001) [assessed as *Tadarida tomensis*] (Mickleburgh *et al.*, 2008dl; IUCN, 2009). 2004 - CR B1ab(I,iii) ver 3.1 (2001) (Mickleburgh *et al.*, 2004cy; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
The species is believed to be threatened by general habitat loss resulting from coastal development, including tourism activities, conversion of land to agricultural use and possible port construction. The species may be competing with the much more abundant species *Chaerephon pumilus* (J. Juste *pers. comm.,* 2008 in Mickleburgh *et al.*, 2008dl in IUCN, 2009), with further studies into this relationship needed (Mickleburgh *et al.*, 2008dl; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dl) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further research is needed into the distribution, natural history and threats to this species.

GENERAL DISTRIBUTION:
Chaerephon tomensis has been recorded from two lowland localities, Praia das Conchas (3 km NW of Guadalupe) and Agua Izé, in the northern part of São Tomé Island, of São Tomé and Príncipe. Extensive surveys have not located the species elsewhere on the island.

Native: São Tomé and Principe [São Tomé] (Rainho *et al.*, 2010a: 40).

POPULATION:
Structure and Density - It seems to be a very rare species that, despite considerable trapping effort, is currently only known from the type series of three specimens (J. Juste *pers. comm.,* 2008 in Mickleburgh *et al.*, 2008dl [in IUCN, 2009]).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008dl; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
São Tomé and Principé.

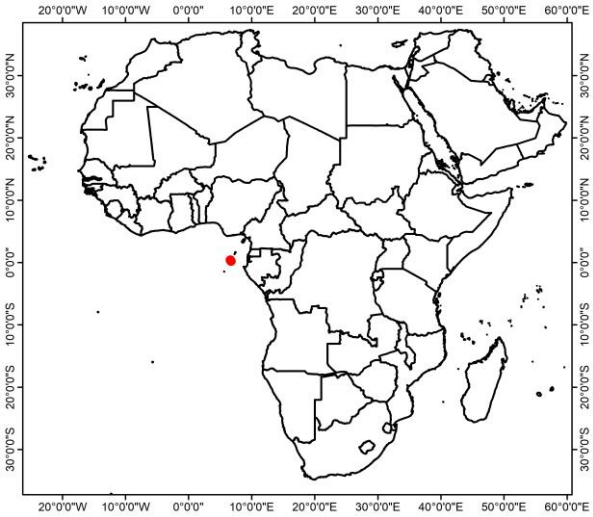

Figure 170. Distribution of *Chaerephon tomensis*

Genus ***Mops*** Lesson, 1842

*1842. *Mops* Lesson, Nouv. Tabl. Regn. Anim. Mammifères, 18. Publication date: 1842. - Comments: Type species: *Mops indicus* Lesson, 1842 (=*Molossus mops* de Blainville, 1840; Genotype *Mops indicus* Lesson = *Dysopes mops* F. Cuvier; listed in synonymy of *Nyctinomus* by Miller, 1907, Bull. U.S. Nat. Mus., 57, p. 251; but listed as a genus with distinct characters by Thomas, 1913, J. Bombay Nat. Hist. Soc., 22, p. 91). - Etymology: From the masculine German substantive *Mops*, meaning "pug", a small companion dog resembling a bulldog, corresponding to the French "carlin" and the Italian "carlino"; the name refers to the wrinkled lips characteristic of the genus *Mops* and the family Molossidae. According to one seemingly erroneous interpretation, from the Malaysian substantive *mòps*, meaning "bat" (see Lanza *et al.*, 2015: 293). (Current Combination)

TAXONOMY:
Formerly included in *Tadarida*; for synonyms see Freeman (1981b: 158). See also Legendre (1984). Harrison and Bates (1991: 64), Ansell and Dowsett (1988: 45), Corbet and Hill (1992: 157), Grubb *et al.* (1998: 93) and Horácek *et al.* (2000: 137), who include *Mops* as subgenus in *Tadarida*. A key is provided by Dunlop (1999: 1, Mammalian Species, 615).

In their molecular phylogeny study, Lamb *et al.* (2011: 9) found strong support for the monophyly of the *Chaerephon* + *Mops* taxa, but not for either of the genera separated. They also found some indications that certain *Mops* species are ancestral and *Chaerephon* species more derived. Their results suggest that *Chaerephon* should not be considered a subgenus of *Tadarida*, nor a genus on itself. They suggest combining *Chaerephon* (except *Chaerephon jobimena*) together with *Mops* into a single genus pending a more complete study.

The morphological study by Gregorin and Cirranello (2015: 10) was unable to resolve the relations within the genus *Mops*, but it supports the monophyly of the genus.
Known species within the genus *Mops*: †***rusingae*** Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002; ***bakarii*** Stanley, 2009; ***brachypterus*** (Peters, 1852); ***condylurus*** (A. Smith, 1833); ***congicus*** J. A. Allen, 1917; ***demonstrator*** (Thomas, 1903); ***leucostigma*** G. M. Allen, 1918; ***midas*** (Sundevall, 1843); *mops* (de Blainville, 1840) – western Malaysia, Sumatra, Borneo perhaps Java (Simmons, 2005: 443); ***nanulus*** J. A. Allen, 1917; ***niangarae*** J. A. Allen, 1917; ***niveiventer*** Cabrera and Ruxton, 1926; ***petersoni*** (El Rayah, 1981); *sarasinorum* (A. Meyer, 1899) – Sulawesi (Indonesia) and adjacent small islands, Philippines (Simmons, 2005: 443); ***spurrelli*** (Dollman, 1911); ***thersites*** (Thomas, 1903); ***trevori*** J. A. Allen, 1917.

COMMON NAMES:
Czech: velcí morousi. English: Mops Bats, Greater Free-tailed Bats, Mops Free-tailed Bats. French: Tadarides. Italian: Pipistrèllo carlìno.

SEXUAL DIMORPHISM:
El-Rayah (1980: 163) confirmed the sexual dimorphism in the premolar size reported earlier: in males the first lower premolar is larger at the base than the second lower premolar, whereas in females this is the opposite.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo, Kenya, Madagascar, South Africa, Tanzania, The Gambia, Zambia, Zimbabwe.

†***Mops rusingae*** (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)

*2002. *Tadarida rusingae* Arroyo-Cabrales, Gregorin, Schlitter and Walker, J. Vert. Paleont., 22 (2): 382. Type locality: Kenya: Rusinga Island, west; KNM Locality 114 [00 20 S 34 06 E] [Goto Description]. - Comments: Hiwegi formation; late Early Miocene, ca. 17.5 - 18.0 Ma. - Etymology: The species name is derived from the specific locality where the holotype was collected, Rusinga Island (see Arroyo-Cabrales *et al.*, 2002).
2003. *Tadarida (Mops) rusingae:* Czaplewski, Morgan and Naeher, Acta Chiropt., 5 (1): 65. (Name Combination)
2008. *Mops rusingae:* Van Cakenberghe and Seamark, African Chiroptera Report. Publication date: July 2008. (Name Combination, Current Combination)

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The holotype was found in the Hiwegi formation; late Early Miocene deposits, dating between 17.5 to 18.0 Mya (Arroyo-Cabrales *et al.*, 2002).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa".

Subgenus *Mops (Mops)* Lesson, 1842

*1842. *Mops* Lesson, Nouv. Tabl. Regn. Anim. Mammifères, 18. Publication date: 1842. - Comments: Type species: *Mops indicus* Lesson, 1842 (=*Molossus mops* de Blainville, 1840; Genotype *Mops indicus* Lesson = *Dysopes mops* F. Cuvier; listed in synonymy of *Nyctinomus* by Miller, 1907, Bull. U.S. Nat. Mus., 57, p. 251; but listed as a genus with distinct characters by Thomas, 1913, J. Bombay Nat. Hist. Soc., 22, p. 91). - Etymology: From the masculine German substantive *Mops*, meaning "pug", a small companion dog resembling a bulldog, corresponding to the French "carlin" and the Italian "carlino"; the name refers to the wrinkled lips characteristic of the genus *Mops* and the family Molossidae. According to one seemingly erroneous interpretation, from the Malaysian substantive *mòps*, meaning "bat" (see Lanza *et al.*, 2015: 293). (Current Combination)
1917. *Allomops* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 470, text-fig. 12 - 15. Publication date: 29 September 1917 [Goto Description]. - Comments: Type species: *Chærephon (Allomops) osborni* Allen, 1917 (=*Nyctinomus condylurus* A. Smith, 1833).
1951. *Tadarida (Mops):* Ellerman and Morrison-Scott. (Name Combination)
? *Mops (Mops):* (Name Combination)

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Chad, Kenya, South Sudan, Tanzania.

Mops (Mops) condylurus (A. Smith, 1833)

*1833. *Nyctinomus Condylurus* A. Smith, S. Afr. Quart. J., ser. 2, 1 (2): 54. Publication date: November 1833. Type locality: South Africa: KwaZulu-Natal: Port Natal [=Durban], near [29 52 S 31 00 E] [Goto Description]. - Etymology: From the masculine scientific Latin adjective made up of the masculine Greek substantive "*κονδύλς*" (kóndylos), meaning "knob, knuckle" and the feminine Green substantive "*oúρά*" (urá), meaning "tail" as, according to Smith (1833: 54) the tail is "[…] enlarged and wrinkled at the point" (see Lanza *et al.* (2015: 298).

1864. *Dysopes hepaticus* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 31 (7): 14. Type locality: Sudan: Bahr-el-Ghazal province: Country of the Req natives: Djur River [Goto Description]. - Comments: Meester *et al.* (1986: 74): "Allen (1939a), who regards it as a synony of *bivittata*. Hayman and Hill (1971) regard it as unidentifiable, but point out that Kock (in litt) believes that it probably represents *condylurus*. The latter view is expressed also by Kock (1969a) and Koopman (1975)".

1870. *Nyctinomus angolensis* Peters, J. Sci. mat. phys. nat., ser. 1, 3 (10): 124. Publication date: December 1870. Type locality: Angola: Quenza river [= Quanza River] [09 20 S 13 00 E] [Goto Description]. Holotype: ZMB 4904: ad ♂, skull and alcoholic. Collected by: Toulson (Museum Bocage). Formerly Mus. Bocage; see Turni and Kock (2008: 70). - Comments: Considered a synonym of *leucostigma* by Peterson *et al.* (1995: 168). Roberts (1951: 97), and Ansell and Dowsett (1988: 47) assigned it to Gunther, 1870, 1871. According to Meester *et al.* (1986: 74) "Günther 1871, Zoological Record (1870): 8. Quenza River [="?Cuanza River], Angola. Usually wrongly attributed to Peters, 1870, but see Cabrera and Ruxton, Ann. Mag. Nat. Hist., (9) 17: 595, 1926." According to Peterson *et al.* (1995)? "Kaudern, 1915: Ark. Zool., 9 (18): 77", but Peters, 1870 according to Simmons (2005).

1911. *Chærephon emini* Wroughton, Ann. Mag. nat. Hist., ser. 8, 8 (46): 458. Publication date: 1 October 1911. Type locality: Sudan: Rosieres [11 52 N 34 23 E]. - Comments: Not of de Winton, 1901: see Meester *et al.* (1986: 74).

1917. *Chærephon (Allomops) osborni:* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 470. Publication date: 29 September 1917. (Name Combination, Lapsus)

1917. *Mops (Allomops) osborni* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 470, 473, text-fig. 12 - 14, 26. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Kinshasa (near Leopoldville) [04 18 S 15 18 E, 350 m] [Goto Description]. Holotype: AMNH 49230: ad ♂, skull and alcoholic. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 22 December 1914; original number: 2570. Paratype: AMNH 49244: ad ♀. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition.

1936. *Mops angolensis wonderi* Sanborn, Field Mus. Nat. Hist., Zool. Ser., (362) 20 (14): 114. Publication date: 15 August 1936. Type locality: Mali: 7 km E Bamako: Sotuba [12 36 N 07 55 W] [Goto Description]. Holotype: FMNH 42138: ad ♀, skin and skull. Collected by: Frank C. Wonder; collection date: 13 April 1934; original number: 814. - Comments: Considered a valid subspecies by Grubb *et al.* (1998: 93).

1939. *Mops osborni occidentalis* Monard, Arq. Mus. Bocage, 10: 78. Publication date: March 1939. Type locality: Guinea-Bissau: Mansoa [12 04 N 15 19 W] [Goto Description]. Syntype: NMBA 5268: ♂, alcoholic (skull not removed). Collected by: Dr. Albert Monard; collection date: 11-12 December 1937; original number: 226. See Oakeley (1998: 2). From Mansoa (see Monard, 1939: 78). Syntype: NMBA 5269: ♂, alcoholic (skull not removed). Collected by: Dr. Albert Monard; collection date: 11-12 December 1937; original number: 275. See Oakeley (1998: 2). From Mansoa (see Monard, 1939: 78). Syntype: RMCA 15307: ♂, alcoholic (skull not removed). Collected by: Dr. Albert Monard; collection date: 1937; original number: 223. From Mansoa (see Monard, 1939: 78). Syntype: RMCA 15308: ♀, alcoholic (skull not removed). Collected by: Dr. Albert Monard; original number: 498. From Contubo-el (see Monard, 1939: 78). - Comments: The type locality is either Mansoa [12 04 N 15 19 W], Contubo-el [12 22 N 14 34 W] or Pitche [12 20 N 13 57 W]. Monard (1939: 78) does not mention a holotype, but a series of specimens from Mansoa (14), Cotubo-el (5) and Pitche (9).

1939. *Mops osborni occidentalis f. fulva* Monard, Arq. Mus. Bocage, 10: 80. Publication date: March 1939. Type locality: Guinea-Bissau: Mansoa [12 04 N 15 19 W] [Goto Description]. Syntype: NMBA 5270: ♀, alcoholic (skull not removed). Collected by: Dr. Albert Monard;

collection date: 11-12 December 1937; original number: 232. Monard (1939: 80) mentions a series of 10 specimens (nrs 228 to 237, 5 MM + 5 FF) from Mansoa and 1 M (nr 781) from Pitche. Syntype: RMCA 15309: ♂, alcoholic (skull not removed). Collected by: Dr. Albert Monard; original number: 229. Monard (1939: 78) mentions a larger series: nrs 215 to 227, 275 (13 MM + 1 F from Mansoa); 494 to 498 (1 M + 4 FF) from Contubo-el; 77. - Comments: The type locality is either Mansoa [12 04 N 15 19 W] or Pitche [12 20 N 13 57 W]. Grubb *et al.* (1998: 93) indicate that Monard's quadrinominal name was validated, in accordance with International Code of Zoological Nomenclature Articke 45 (g)(ii)(1), by its use as a trinomial (Freeman (1981b: 159). Monard (1939: 80) mentions a series of 10 specimens (nrs 228 to 237, 5 ♂♂ + 5 ♀♀) from Mansoa and 1 ♂ (nr 781) from Pitche.

1942. *Mops angolensis orientis* G.M. Allen and Loveridge, Bull. Mus. comp. Zool., 89 (4): 151, 166. Publication date: February 1942. Type locality: Tanzania: SE Tanzania, Mtwara, Rovuma river: Kitaya [300 ft] [Goto Description]. Holotype: MCZ 38829: ad ♂, skin and skull. Collected by: Professor Arthur Loveridge; collection date: 3 April 1939. See Allen and Loveridge (1942: 166). Helgen and McFadden (2001: 146) also mention 9 paratypes (MCZ 38826 - 38828, 38830 - 38835 (4 FF+ 5 MM, skin and skull): see Helgen and McFadden (2001: 145). Paratype: MCZ 38826: Collected by: Professor Arthur Loveridge. Paratype: MCZ 38827: Collected by: Professor Arthur Loveridge. Paratype: MCZ 38828: Collected by: Professor Arthur Loveridge. Paratype: MCZ 38830: Collected by: Professor Arthur Loveridge. Paratype: MCZ 38831: Collected by: Professor Arthur Loveridge. Paratype: MCZ 38832: Collected by: Professor Arthur Loveridge. Paratype: MCZ 38833: Collected by: Professor Arthur Loveridge. Paratype: MCZ 38834: Collected by: Professor Arthur Loveridge. Paratype: MCZ 38835: Collected by: Professor Arthur Loveridge. - Comments: Possibly valid as a subspecies.

1979. *Tadarida condylura:* Ansell, The Puku, 3: 13. (Name Combination)

1981. *Mops osborni fulva:* Freeman, Field. Zool., n.s. 7: 159. (Name Combination)

? *Mops (Mops) condylurus:* (Name Combination, Current Combination)

? *Mops angolensis:*

? *Mops condylura angolensis:* (Name Combination, Alternate Spelling)

? *Mops condylura condylura:* (Name Combination, Alternate Spelling)

? *Mops condylura orientis:* (Name Combination, Alternate Spelling)

? *Mops condylura osborni:* (Name Combination, Alternate Spelling)

? *Mops condylurus orientis:* (Name Combination)

? *Mops condylurus osborni:* (Name Combination)

? *Mops condylurus wonderi:* (Name Combination)

? *Mops condylurus:* (Name Combination)

? *Tadarida (Mops) condylura:* (Name Combination)

? *Tadarida condylura condylura:* (Name Combination)

? *Tadarida condylura osborni:* (Name Combination)

TAXONOMY:

Figure 171. An adult female *Mops condylurus* caught at Mlawula-NR, Swaziland.

Includes *angolensis* and *leucostigma*, but see Peterson *et al.* (1995: 168).

In their analyses, Ammerman *et al.* (2012: 20) found that *Mops condylurus* from clusters with *M. leucostigma* from Madagascar when present, and these two form a close relationship with African *Chaerephon* and not other *Mops*. They also indicate that the two species separated from one another less than 2 million years ago (Ammerman *et al.*, 2012: 23).

COMMON NAMES:

Afrikaans: Angola-losstertvlermuis, Angolase Losstervlermuis. Czech: morous angolský. English: Angolan Mops Bat, Knob-tailed Mops Bat, Angolan Free-tailed Bat, Knob-tailed Nyctinome. French: Tadaride d'Angola, Molosse d'Angola. German: Angola-Bulldoggfledermaus, Centralafrikanische Doggengrämler. Italian: Carlìno condilùro. Portuguese: Morcego de cauda livre.

ETYMOLOGY OF COMMON NAME:
Originally described from the former Natal province, it might more appropriately have been called the Natal free-tailed bat, but this name is taken by *Mormopterus acetabulosus*.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Gunnell *et al.* (2015a: 20) report on a right distal humerus from a Pleistocene deposit at Olduvai Gorge (Tanzania), which they assigned to *Mops* cf. *M. condylurus*.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008af; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida condylura*] (Mickleburgh *et al.*, 2008af; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004aq; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016b). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There are no major threats to this species. Some colonies roosting within buildings are possibly threatened by general persecution (Mickleburgh *et al.*, 2008af; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008af) [in IUCN (2009)] report that this species is present in a number of protected areas. No direct conservation actions are currently needed for the species as a whole.

GENERAL DISTRIBUTION:
Mops condylurus is widely distributed over much of sub-Saharan Africa. It ranges from Senegal, the Gambia and Mali in the west, to the Sudan, Ethiopia and Somalia in the east; from here it ranges southwards through much of eastern and southern Africa, as far south as eastern South Africa and Swaziland. The species appears to be largely absent from the Congo Basin.

Monadjem *et al.* (2010d) does not record any specimens occuring in Namibia.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,057,626 km^2. In the RSA, Babiker Salata (2012: 49) found that its distribution is stongly associated with the mean temperature of the coldest quarter.

Native: Angola (Lopes and Crawford-Cabral, 1992; Monadjem *et al.*, 2010d: 543); Benin (Capo-Chichi *et al.*, 2004: 163); Botswana (Monadjem *et al.*, 2010d: 543); Burkina Faso (Kangoyé *et al.* (2012: 6025; 2015a: 618); Burundi; Cameroon (Bakwo Fils *et al.*, 2014: 4); Congo (Bates *et al.*, 2013: 336); Congo (The Democratic Republic of the) (Allen, 1917; Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 543); Côte d'Ivoire; Ethiopia (Lavrenchenko *et al.*, 2004b: 141); Gambia (Emms and Barnett, 2005: 50); Ghana; Guinea (Fahr *et al.*, 2006b: 245; Decher *et al.*, 2016: 275); Guinea-Bissau (Seabra, 1900a; Monard, 1939; Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 75); Kenya; Liberia (Fahr, 2007a: 104); Malawi (Happold *et al.*, 1988; Happold and Happold, 1997b: 823; Monadjem *et al.*, 2010d: 543); Mali; Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 543; Monadjem *et al.*, 2010c: 382); Namibia; Niger; Nigeria; Rwanda; Senegal; Sierra Leone; Somalia; South Africa (De Graaf, 1960; Monadjem *et al.*, 2010d: 544); Sudan; Swaziland (Monadjem *et al.*, 2010d: 544); Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 62); Zambia (Monadjem *et al.*, 2010d: 544); Zimbabwe (Cotterill, 2004a: 260; Monadjem *et al.*, 2010d: 3422).

Presence uncertain: Madagascar.

DENTAL FORMULA:
Dorst (1949: 47-48, fig 2) discussed the milk dentition of this species (as *Mops angolensis*) and indicated that the incisors are quite different from both the canines and premolars, as the prior are tricuspid and the latter are peg-like.

DETAILED MORPHOLOGY:
Baculum - Unknown
Brain - Amrein *et al.* (2007) from specimens collected from Bénin reported sparse proliferating cell activity, detected with Ki-67 and MCM2, in the subgranular layer of the dentate gyrus, with doublecortin (DCX) they detected young migrating neuron in the subgrannular layer of the hippocampus. Amrein *et al.* (2007) also reported moderate to ample proliferating cells (Ki-67 positive cells) and migrating young neurons (DCX positive cells) in the rostral migratory stream. No NeuroD was detected in the hippocampal granule cells (Amrein *et al.*, 2007).

FUNCTIONAL MORPHOLOGY:
Maloney *et al.* (1999: 385) indicate that *M. condylurus* is well adapted to tolerated high ambivalent temperatures, which may enable them to exploit thermally challenging roost sites and allow them to survive in habitats where less stressful roosts are limited.

Buffenstein *et al.* (1999: 15) found that urine voided prior to feeding in summer was 22% more concentrated than that in autumn, suggesting that periods of exposure to high temperatures were more stressful. The urine produced was up to eight times more concentrated than plasma.

ECHOLOCATION:
Bohmann *et al.* (2011: 1) [referring to Monadjem *et al.* (2010d)] mention peak frequencies between 26 - 35 kHz. Schoeman and Waddington (2011: 291) mention a peak frequency of 24.8 ± 1.5 kHz and a duration of 15.7 ± 2.1 msec for specimens from Durban, South Africa. From the same area, Naidoo *et al.* (2011: 23) mention a F_{peak} of 25.8 ± 0.5 kHz and a duration of 6.8 ± 1.8 msec.
In Swaziland, Taylor *et al.* (2013b: 18) recorded the following parameters for 6 calls: F_{max}: 34.8 ± 2.78 (31.5 - 38.6) kHz, F_{min}: 25.8 ± 1.79 (23.9 - 28.2) kHz, F_{knee}: 30.2 ± 2.16 (27.4 - 32.4) kHz, F_{char}: 27.3 ± 1.98 (24.9 - 29.3) kHz, duration: 5.5 ± 1.40 (3.4 - 7.2) msec. Additional values reported by Monadjem *et al.* (2017c: 179) are: F_{min}: 25.1 ± 1.68 (23.5 - 26.1) kHz, F_{knee}: 30.1 ± 2.03 (28.1 - 32.1) kHz, F_c: 27.3 ± 1.56 (25.9 - 28.8) kHz and duration: 4.3 ± 2.08 (2.2 - 6.4) msec. These calls could be detected up to 30 m away.

At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 30 (27 - 32) kHz.
Linden *et al.* (2014: 40) reported the following parameters from the Soutpansberg range (RSA): F_{min}: 24 - 28 kHz, F_{char}: 25 - 29 kHz, F_{knee}: 27 - 32 kHz, Slope: 40 - 160 OPS, duration: 3 - 7 msec.

From Maroua, Cameroon, Manga Mongombe (2012: 79) and Bakwo Fils *et al.* (2018: 4) reported for 12 calls a call type of FM and the following parameters: F_{max}: 37.8 ± 3.8 (33.9 - 41.6) kHz, F_{min}: 34.2 ± 4.9 (30.1 - 40.0) kHz, F_{mean}: 36.4 ± 4.5 (31.0 - 41.0) kHz, F_{knee}: 38.2 ± 4.7 (33.9 - 41.5) kHZ, F_{char}: 33.67 ± 5.1 (30.1 - 40.0) kHz, and duration: 0.78 ± 0.89 (0.57 - 0.88) msec.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Đulic and Mutere (1973a) described the karyotype as having a diploid number of 2*n* = 48, aFN = 56, BA = 10, X = SM, Y = A. While Smith *et al.* (1986) found that the fundamental number was aFN = 66, BA = 20, this is supported by Rautenbach *et al.* (1993). Koubínová (2013: 7) mentioned: 2*n* = 48 and FN = 54.
Protein / allozyme - Unknown.

HABITAT:
Noer *et al.* (2012: 1) indicate that *M. condylurus* prefers to forage over sugarcane fields rather than over savanna, riparian forest and urban areas. They also indicated that the bats travel up to 4.8 km from their roosts during their foraging trips. Their activity area ranges from 1,190 to 1,437 ha.

HABITS:
Bouchard (2001b: 109) found that, in scent-choise-experiments, both males and females were able to distinguish the gender of conspecifics as well as the difference between roostmates and strangers.

ROOST:
In the Mount Nimba area, Monadjem *et al.* (2016y: 368) found a roost in the roof of a school at 540 m.

Bronner *et al.* (1999: 1) investigated the roost microclimates in three man-made structures in South Africa. The ambient temperature in these varied from below 10°C to over 40°C, but the bats preferred zones where the temperature was between 35 and 40°C, where they could maintain their basal metabolic rate.

DIET:
Based on DNA analysis of 30 fecal pellets collected between April and May (austral summer) in the Simunye region of Swaziland, Bohmann *et al.* (2011) reported insects from 24 families (belonging to seven orders) being taken as prey. The highest frequency of occurrence was for Lepidoptera (47.6 %), Diptera (26.7 %), and Hemiptera (20 %). Within the Lepidoptera, Noctuidae (Owlet moths - 23.3 %), Nymphalidae (Brush-footed butterflies - 17.6 %) and Geometridae (Geometer moths - 10 %) were found the most. Within the Diptera, it were primarly representatives of Drosophilidae (Pomace flies - 6.5 %) and Muscidae (House flies and alike - 6.5 %). Within the Hemiptera, Lygaeidae (Chinch bugs and seed bugs) and Pentatomidae (Stink bugs) were found in 6.7 % of the pellets.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention "*Tadarida condylura*" to be preyed upon by: African goshawk (*Accipiter tachiro* (Daudin, 1800)), Eurasian hobby (*Falco subbuteo* Linnaeus, 1758), Wahlberg's eagle (*Hieraaetus wahlbergi* (Sundevall, 1851)), Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850).

Bronner *et al.* (1999: 8) reported on the presence of an Eastern Tiger Snake (*Telescopus*

semiannulatus semiannulatus Smith, 1849) in a colony of *M. condylurus*.

POPULATION:
Structure and Density - This is a common species (Mickleburgh *et al.*, 2008af; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008af; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Mutere (1968, 1973b: 271) reported that "*T. condylura*" has a bimodal breeding rhythm in Uganda (pregnancies during December-March and June-September and births in March and September), which is correlated with the rainfall pattern (April-May and October-November), and that the gestation period for this species is about two months. He also indicated [in Krutzsch (2000: 95)] that the testicular position (intra-abdominal or scrotal) showed no significant seasonal variation in sperm production.

Happold and Happold (1989b: 133) indicate that "*Tadarida condylura*" is monotocous in Malawi, where it has two births per year. They also found that the interval between births decreases with increasing latitude.

Mutere (1973b) mentioned that the pattern of reproduction is not followed by a postpartum oestrous, whereas Happold and Happold (1989b) mention the opposite.

Wyant and Adams (2007) present data on prenatal growth, development, and skeletal ossification, by intergrating data from changes in body size, wing area, and skeletogenesis, from specimens collected from east African countries.

PARASITES:
Lima *et al.* (2012: 858) described a new species of *Trypanosoma* from Mozambican *Mops condylurus*: *T. (Schizotrypanum) erneyi*. This parasite was also found in two unidentified *Tadarida* specimens.

Höhne *et al.* (1975: 505) found *Listeria monocytogenes* bacteria in two out of 234 "*Tadarida condylura*" specimens from Lomé, Togo.

HEMIPTERA
Cimicidae: *Loxaspis miranda* Rothschild, 1912 were found in the hollow trunk of a *Borassus* palm containing many dead *T. condylura*, at the Fambani river, near mouth of Zambesi, in Mozambique (Haeselbarth *et al.*, 1966: 10).

SIPHONAPTERA
Ischnopsyllidae: *Lagaropsylla idea* Smit, 1957 widespread in tropical Africa (Haeselbarth *et al.*, 1966: 1990; Beaucournu and Kock, 1996). *Lagaropsylla leleupi* Smit, 1957 from Bugesera, Burindi (Haeselbarth *et al.*, 1966: 191). *Lagaropsylla obliqua* Smit, 1957 from Sierra Leone, Cameroon and the Congo (Haeselbarth *et al.*, 1966: 191).

Lagaropsylla incerta (Rothschild, 1900) was reported from Madagascar by Beaucournu and Kock (1996).

ACARI
Sarcoptidae: *Notoedres tadaridae* Fain, 1959 was found by Fain and Aellen (1994: 64) on a "*Tadarida condylura*" specimen from Tandara, DRC.

VIRUSES:
Astroviridae
Viruses belonging to this family were recorded by Waruhiu *et al.* (2017) from these bats in Kenya.

Bunyaviridae
Sudi *et al.* (2018: 3) refer to Krüger *et al.* (2015), who reported the presence of Lompole virus (LMPV) in *Mops condylurus* from the DRC (although the latter authors didn't identify the bats involved).

Caliciviridae
Viruses belonging to this family were recorded by Waruhiu *et al.* (2017) from these bats in Kenya.

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera in 19 individuals from Limpopo Province, South Africa, three were tested positive (3/19, 15.8 %) and 96 individuals from Mpumalanga Province, South Africa, 11 tested positive (11/96, 11.9 %) (14/115, 12.2 %).
Anthony *et al.* (2017b: Suppl.) mention the alpha-coronavirus Charephon_CoV_KY22.

Filoviridae - Filo viruses
Ebolavirus
Muyembe-Tamfum *et al.* (2012: 9) refer to Pourrut *et al.* (2005) who found ZEBOV-specific antibodies in this species.
Saéz *et al.* (2014) indicate that the two-year old boy, who was patient zero for the 2014 Ebola outbreak in West Africa may have been infected while playing in a hollow tree housing a colony of *M. condylurus*. However, Wood *et al.* (2015: 9-10) find "the suggestion that *Mops condylurus* was the source of infection in the index human case in Guinea noteworthy if somewhat speculative."

Flaviviridae
Flavivirus

de Jong *et al.* (2011: 10) reported Bukalasa bat virus, Dakar bat virus, Entebbe bat virus. The latter two are also reported by Luis *et al.* (2013: suppl.), Blitvich and Firth (2017: 3).
Pegivirus (BPgV)
1 of 10 specimens from the Democratic Republic of Congo examined by Quan *et al.* (2013: Table S5) (10.0 %) was infected by clade G type *Pegivirus*. Of the same 10 specimens, 2 were infected by clade K type *Pegivirus*.
Kemp (1975: 616) mentions that Dakar bat virus was isolated in Nigeria on this species for the first time on 25 January 1966.
Paramxoviridae
Viruses belonging to this family were recorded by Waruhiu *et al.* (2017) from these bats in Kenya.

In their overview tables, Maganga *et al.* (2014a: 8) and Willoughby *et al.* (2017: Suppl.) reported that the following viruses were already found on *M. condylurus*: Bukalasa bat virus, Dakar bat virus, Entebbe bat virus, Coronavirus (SARS-CoV), Bunyamwera orthobunyavirus, West Nile virus, Yellow fever virus, Zaïre Ebola, Zika virus.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

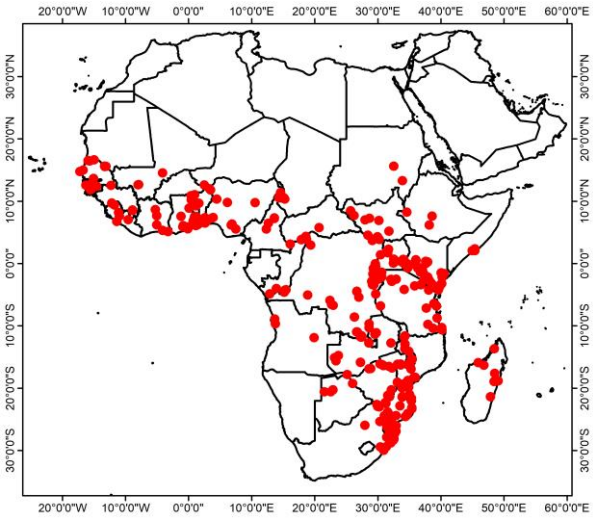

Figure 172. Distribution of *Mops* (*Mops*) *condylurus*

Mops (Mops) congicus J.A. Allen, 1917

*1917. *Mops congicus* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 467, pl. 55. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Medje [02 25 N 27 18 E, 800 m] [Goto Description]. Holotype: AMNH 48893: ad ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 8 September 1910; original number: 966.
? *Mops (Mops) congicus:* (Name Combination, Current Combination)
? *Mops congica:* (Alternate Spelling)
? *Tadarida congica:* (Name Combination)

TAXONOMY:
Does not include *trevori*; see Peterson (1972).

COMMON NAMES:
Czech: morous konžský. English: Medje Mops Bat, Medje Free-tailed Bat, Medje Greater Free-tailed Bat. French: Tadaride de Medje. German: Kongo-Bulldoggfledermaus, Medje-Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bp; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida congica*] (Mickleburgh *et al.*, 2008bp; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004bx; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
It is threatened in parts of its range by habitat loss, largely resulting from logging activities and conversion of land to agricultural use (Mickleburgh *et al.*, 2008bp; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bp) [in IUCN (2009)] report that it is not known if the species is present in any protected areas. Further studies are needed into the distribution, abundance, natural history, and threats to this poorly known species.

GENERAL DISTRIBUTION:
Mops congicus has been patchily recorded in Central Africa. It is found from southern Cameroon, east into the northern part of the Democratic Republic of the Congo and western Uganda.

Earlier records of this species from Ghana and Nigeria are now allocated to *Mops trevori* (Simmons, 2005).

Native: Cameroon; Congo (The Democratic Republic of the); Uganda.

POPULATION:
Structure and Density - The species has been rarely collected. While a single large colony of approximately several dozen bats has been reported, it is suspected to generally occur in much smaller roosts (Mickleburgh *et al.*, 2008bp; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008bp; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Cameroon, Central African Republic, Congo (Democratic Republic of the), Uganda.

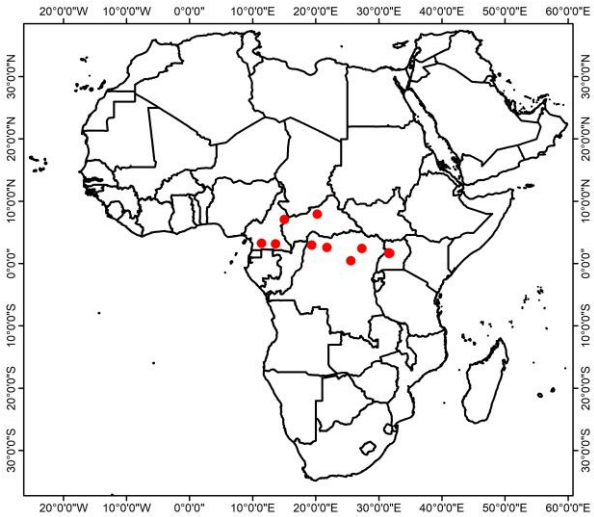

Figure 173. Distribution of *Mops* (*Mops*) *congicus*

Mops (Mops) demonstrator (Thomas, 1903)

*1903. *Nyctinomus demonstrator* Thomas, Ann. Mag. nat. Hist., ser. 7, 12 (71): 504. Publication date: 1 November 1903. Type locality: Sudan: Equatoria province: 25 mi (37 km) N of Gondokoro: Mongalla [05 10 N 31 50 E, 500 m] [Goto Description]. Holotype: BMNH 1902.7.4.3: ad ♂. Collected by: W.L.S. Loat Esq. Presented/Donated by: W.L.S. Loat Esq.

1917. *Mops (Allomops) faradjius* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 476. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Faradje [03 44 N 29 43 E] [Goto Description]. Holotype: AMNH 49222: ad ♂, skull and alcoholic. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 1 November 1913; original number: 3015. - Comments: One of the skull labels mentions 12 January 1913, which probably is an error.

? *Mops (Mops) demonstrator:* (Name Combination, Current Combination)
? *Mops demonstrator:* (Name Combination)
? *Mops demostrator:* (Lapsus)
? *Tadarida (Mops) demonstrator:* (Name Combination)
? *Tadarida demonstrator:* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: morous mongallanský. English: Mongalla Mops Bat, Mongallan Mops Bat, Mongalla Free-tailed Bat. French: Tadaride de Mongalla. German: Mongalla-Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bs; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida demonstrator*] (Mickleburgh *et al.*, 2008bs; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004az; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
In part of its range this species is threatened by habitat loss, mostly the cutting of larger roosting trees from savanna. It may also be threatened by

encroaching desertification in the northern limits of its range (Mickleburgh *et al.*, 2008bs; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bs) [in IUCN (2009)] report that this species has been recorded from the Garamba National Park in the Democratic Republic of the Congo (Freeman, 1981b), and may be present in additional protected areas. There is a need to protect suitable large roosting trees in savanna. Further research is needed to better understand the distribution, natural history and major threats to this species.

GENERAL DISTRIBUTION:
Mops demonstrator has been patchily recorded from West Africa (Côte d'Ivoire, Ghana and Burkina Faso) and Central to East Africa (Cameroon, eastern Democratic Republic of the Congo, western Uganda and Sudan).

A record from the Gambia appears to be in error (Koopman, 1989b; Grubb *et al.*, 1998).

Native: Burkina Faso (Kangoyé *et al.*, 2015a: 618); Cameroon; Congo (The Democratic Republic of the); Côte d'Ivoire; Ghana; Sudan; Uganda.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Smith *et al.* (1986) reported 2*n* = 48, FN = 54, BA = 8, a submetacentric X chromosome and an acrocentric Y chromosome.
Protein / allozyme - Unknown.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - This species is rarely recorded. Animals are usually found singly or as small groups of up to 12 bats (Mickleburgh *et al.*, 2008bs; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008bs; IUCN, 2009).

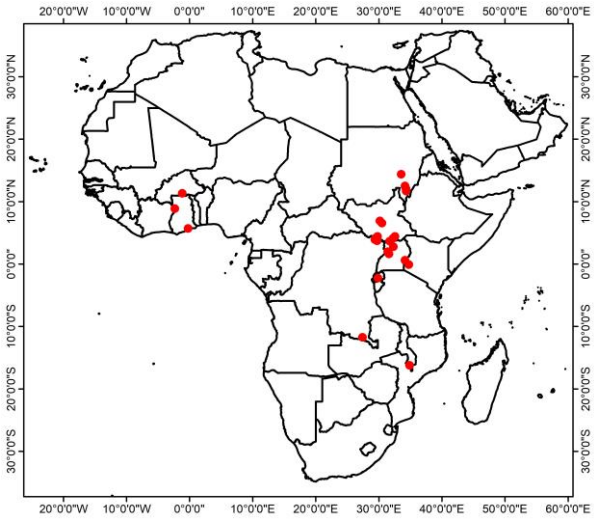

Figure 174. Distribution of *Mops* (*Mops*) *demonstrator*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Burkina Faso, Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Kenya, Malawi, Rwanda, South Sudan, Sudan, Uganda.

Mops (Mops) leucostigma (G.M. Allen, 1918)

*1918. *Chaerephon leucostigma* G.M. Allen, Bull. Mus. comp. Zool., 61 (14): 513. Publication date: 27 February 1918. Type locality: Madagascar: Tananarive [=Antananarivo] [18 55 S 47 31 E, 1 300 m]. Holotype: MCZ 16344: ad ♀, skin and skull. Collected by: Dr. Frederik Roelker Wulsin; collection date: December 1915. See Peterson *et al.* (1995: 168); Helgen and McFadden (2001: 145). Paratype: MCZ 16345: ♂, skin and skull. See Helgen and McFadden (2001: 145). - Comments: Ratrimomanarivo *et al.* (2008: 66 - 67) mentions the following: "In his description of *Mops leucostigma*, Allen (1918) cited two specimens - the holotype (MCZ 16344), which was sexed as a 'female' and the paratype (MCZ 16345), which was sexed as a 'male' (also see Helgen & McFadden, 2001). We examined these two specimens. In Allen's description he specifically states, 'The skull is provided with a prominent sagittal crest, which in the type, though partly broken, must have been at least a millimetre high.' This is an accurate description of the MCZ 16344. In members of the genus *Mops* in general (Freeman, 1981) and in *M. leucostigma* specifically (this study), adult males are distinctly larger than adult females and have a prominent and more developed occipital and sagittal crests. Based on size, skull shape, and the development of the occipital and sagittal crests, the holotype is a male and the paratype a female. Given that all of the collection data for the holotype (MCZ 16344) and paratype (MCZ 16345) are identical, we strongly suspect that the museum labels for these two specimens have been accidentally exchanged before the publication of Allen (1918).".
? *Mops (Mops) leucostigma:* (Name Combination, Current Combination)
? *Mops condylura leucostigma:* (Name Combination, Alternate Spelling)
? *Mops leucostigma:* (Name Combination)

? *Tadarida (Mops) leucostigma:* (Name Combination)
? *Tadarida leucostigma:* (Name Combination)

TAXONOMY:
Included in *condylurus* by Koopman (1993a: 236), but considered a valid species in *Tadarida (M.)* by Peterson *et al.* (1995: 152) and Russ *et al.* (2001). Considered a valid species in the genus *Mops* by Hutson *et al.* (2001: 34), Goodman and Cardiff (2004: 227), Simmons (2005).

COMMON NAMES:
Czech: morous běloskvrnný. English: Madagascar White-bellied Free-tailed Bat, Malagasy White-bellied Free-tailed Bat, White-shouldered bat. French: Tadaride à queue libre de Madagascar. German: Gefleckte Bulldoggfledermaus.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Gunnell *et al.* (2014: 3) refer to fossils material from the Andrahomana cave on Madagascar.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its large distribution range, and its ability both to tolerate persecution and to persist in a variety of habitats in many parts of its range (Andriafidison *et al.*, 2008m; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida leucostigma*] (Andriafidison *et al.*, 2008m; IUCN, 2009). 2000 - DD ver 2.3 (1994).

MAJOR THREATS:
In some areas it is hunted for food (Goodman *et al.*, 2008d) or persecuted, but these are not thought to be serious threats (Andriafidison *et al.*, 2008m; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008m) [in IUCN (2009)] report that this species is known from Kirindy CFPF and Parc National de Zombitse-Vohibasia (Goodman *et al.*, 2005a). It is also common in villages adjacent to several protected areas (Goodman *et al.*, 2005a; Russ *et al.*, 2003).

GENERAL DISTRIBUTION:
Mops leucostigma is known from Madagascar and the Comoros archipelago (Mohéli and Anjouan islands). On Madagascar it is found from the north to the southwest of the island (Eger and Mitchell, 2003; Peterson *et al.*, 1995) including the islands of Nosy Be and Nosy Komba (Rakotonandrasana and Goodman, 2007: 6). Recorded at an elevation span of 5 to 1,300 m above sea level (Allen, 1918b; Eger and Mitchell, 2003).

Native: Madagascar (Eger and Mitchell, 2003; Peterson *et al.*, 1995; Rakotonandrasana and Goodman, 2007: 6); Comoros (Ratrimomanarivo *et al.*, 2008: 57).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 62) describe the baculum as displaying a distinct "m"-shape; length: 0.75 ± 0.097 (0.56 - 0.86) mm, width: 1.09 ± 0.137 (0.83 - 1.35) mm.

HABITAT:
Dammhahn and Goodman (2013: 108) indicate that this species' foraging habitat consists of open areas and the area above the forest canopy.

DIET:
Rakotondramanana *et al.* (2015: 78) report the following insect orders (by volume percent, by frequency percent): Coleoptera (64.0, 100.0); Lepidoptera (30.0, 100.0); Trichoptera (6.0, 60.0).

PREDATORS:
Goodman *et al.* (2015c: 78) found the remains of two individuals in pellets of Bat Hawk *Macheiramphus alcinus* Bonaparte, 1850 in western central Madagascar.

POPULATION:
Structure and Density - The population and local abundance of this species are not known (Andriafidison *et al.*, 2008m; IUCN, 2009).
Trend - 2008 - Unknown (Andriafidison *et al.*, 2008m; IUCN, 2009).

VIRUSES:
Paramyxoviridae
Specimens from this species tested by Wilkinson *et al.* (2014: 8270) were found to be positive for paramyxoviruses.
11 out of 68 Madagascan specimens tested by Mélade *et al.* (2016b: 4) were positive for paramyxoviruses.

Rhabdoviridae
Mélade *et al.* (2016a: 6) tested 20 bats for *Lagos bat lyssavirus* and found positive reactions in two of them.

UTILISATION:
See Goodman *et al.* (2008d).

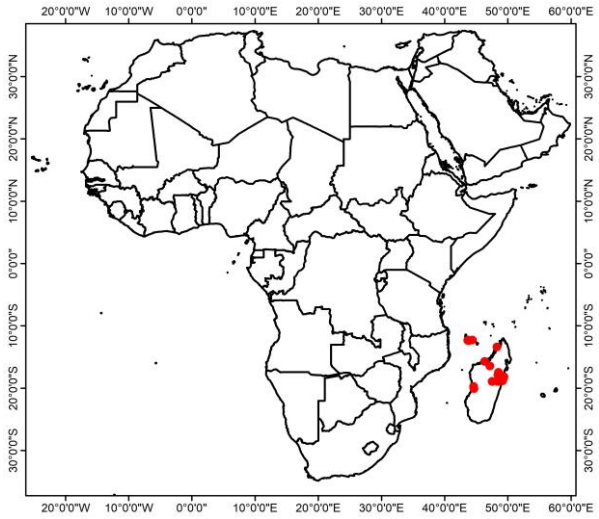

Figure 175. Distribution of *Mops* (*Mops*) *leucostigma*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Comoros, Madagascar.

Mops (Mops) midas (Sundevall, 1843)

*1843. *Dysopes midas* Sundevall, Kongl. Svenska Vet.-Akad. Hand., ser. 3, 30: 207, pl. 2, fig. 7 [for 1842]. Publication date: 1843. Type locality: Sudan: Blue Nile Province: E-bank White Nile: Valid Sohey [= Wad Shala]: restricted by Turni and Kock (2008: 68). [14 34 N 13 48 E]. Syntype: BMNH 1846.6.2.20: ad ♂, skin and skull. Formerly Stockholm Museum (ZSM no. 523), locality: Bahr el Abiad. See Turni and Kock (2008: 68). Syntype: ZMB 535: skin only. Collected by: Hedenborg; collection date: 1831 - 1835. From [Dar] Sennar, Sudan; see Turni and Kock (2008: 68). Syntype: ZSM. Collected by: Hedenborg; collection date: 1846. See Turni and Kock (2008: 68). Syntype: ZSM, skin only. Collected by: Hedenborg; collection date: 1836. See Turni and Kock (2008: 68). - Comments: Horácek *et al.* (2000: 137) mention "Bahr-el-Abiad, White Nile" as type locality. Meester *et al.* (1986: 73): "Bahr-el-Abiad (White Nile), Sudan. Kock (1969a: 154) suggests that the type locality is at Jebel el Funj, between the White and Blue Nile, and Koopman (1975, and in litt.) restricts it to the east (not west, as shown in 1975: 429) bank of the White Nile at 11 45 N 33 30 E, Blue Nile Province, Sudan."). El-Rayah (1980: 264) believes the restriction to Jebel el Funj is incorrect as Sundevall described the type locaility as Bahr el-Abiad which is the area south of Omdurman (15 19 N 32 29 E) and commonly known as Bahar Abiad and restricts the type locality to the vicinity of Jebel Aulia (15 19 N 32 31 'E). For a deeper discussion on the type locality, see Turni and Kock (2008: 68). - Etymology: According to a legend the mythological King Midas of Phrygia offended Apollo, so the god turned Midas' ears into those of a donkey, i.e. in very long ears; which in this species are relatively large (see Lanza *et al.*, 2015: 304).

? *Mops (Mops) midas:* (Name Combination, Current Combination)
? *Mops midas:* (Name Combination)
? *Tadarida (Mops) midas:* (Name Combination)
? *Tadarida midas:* (Name Combination)

TAXONOMY:

Figure 176. A female *Mops midas* (TM 48104) caught at Makalali Game Reserve, Limpopo Province, South Africa.

Dunlop (1999), following Koopman (1994), recognizes two subspecies: *M. m. midas* (Sundevall 18437) occuring over most of the range and *M. m. miarensis* (Grandidier, 1869) occuring in Madagascar (Peterson *et al.* (1995). Although *miarensi* has previously been considered a subspecies endemic to the island of Madagascar (Simmons (2005), Ratrimomanarivo *et al.* (2007) found no distinctive or taxonomically definitive differences between populations of *Mops midas* occurring on the African continent and

Madagascar.

COMMON NAMES:
Afrikaans: Midas se losstertvlermuis, Midas-losstertvlermuis. Czech: morous oslí. English: Midas Mops Bat, Midas Bat, Midas Free-tailed Bat, Sundevall's Free-tailed Bat, Midas Groove-cheeked Bat. French: Tadaride Midas, Molosse Midas, Tadarida de Midas, Molosse de Midas. German: Midas-Bulldoggfledermaus, Sennaarische Doggengrämler. Italian: Carlìno Mìda.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
No known fossils (Dunlop, 1999).

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its widespread but patchy distribution. The species is locally hunted and persecuted, but it is not thought to be declining fast enough to place it in a higher category of threat (Jenkins *et al.*, 2008a; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida midas*] (Jenkins *et al.*, 2008a; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004ax; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Taylor *et al.*, 2016a). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
This species is thought to be locally threatened by general persecution, collection for food and habitat loss (Jenkins *et al.*, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:
Jenkins *et al.* (2008a) [in IUCN (2009)] report that there is a need to protect large trees and other known roosting sites for this species (this does not apply to populations on Madagascar). In Madagascar, it is known from Beza Mahafaly and Zombitse-Vohibasia National Parks.

GENERAL DISTRIBUTION:
Mops midas is a widespread lowland, savanna species ranging from West Africa eastwards to East Africa and southwards into southern Africa. It has been recorded from the Arabian Peninsula. It is present on Madagascar (including the island of Nosy Be), where it is generally distributed in the drier western and southern habitats of the island below 150 m asl (Ratrimomanarivo *et al.*, 2007). In South Africa, the species' distribution is mostly affected by precipitation seasonality (Babiker Salata, 2012: 49).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 441,324 km^2.

Native: Benin; Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 544); Burkina Faso (Kangoyé *et al.*, 2015a: 618); Burundi; Central African Republic; Chad; Congo (The Democratic Republic of the); Eritrea (Lavrenchenko *et al.*, 2004b: 133); Ethiopia; Gambia; Ghana; Kenya; Madagascar (Peterson *et al.*, 1995; Rakotonandrasana and Goodman, 2007: 6); Malawi (Ansell and Dowsett, 1988: 47; Monadjem *et al.*, 2010d: 544); Mali; Mozambique; Namibia (Cotterill, 2004a: 260; Monadjem *et al.*, 2010d: 544); Niger; Nigeria; Rwanda; Saudi Arabia; Senegal; South Africa (Monadjem *et al.*, 2010d: 544); Sudan; Swaziland (Shapiro and Monadjem, 2015: "1")): Tanzania; Togo; Uganda; Zambia (Ansell, 1973; Cotterill, 2004a: 260; Monadjem *et al.*, 2010d: 544); Zimbabwe (Monadjem *et al.*, 2010d: 544).

BIOGEOGRAPHY:
Samonds *et al.* (2012: 5356) indicate that *M. midas* seems to have migrated multiple times between the African continent and Madagascar.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Dunlop (1999).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Dunlop (1999).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 62) describe the baculum as an elongated rod, which has a notable twist to the mid-shaft in a lateral view. The distal tip is rounded, and the proximal tip terminates in a blunt point length: 1.90 ± 0.091 (1.80 - 2.05) mm, width: 0.39 ± 0.058 (0.32 - 0.46) mm.

For a description of the crania, teeth, ears and tragus, and wingshape and aspect ratio see Dunlop (1999).

SEXUAL DIMORPHISM:
Sexual dimorphism in *M. midas* occurs primarily in the stronger development of the sagittal and lambdoidal crests (Kingdon, 1974; Smithers, 1983; Dunlop, 1999), as well as the greater length and width of the skull (Peterson *et al.*, 1995) in males.

ECHOLOCATION:
See Dunlop (1999) and Taylor (1999b).

In Waterberg, South Africa, Taylor *et al.* (2013b: 18) recorded the following parameters for 6 calls: F_{max}: 14.5 ± 1.45 (12.7 - 16.2) kHz, F_{min}: 12.8 ± 0.82 (11.7 - 13.7) kHz, F_{knee}: 13.8 ± 1.02 (12.5 - 15.0) kHz, F_{char}: 13.1 ± 0.88 (12.0 - 14.0) kHz, duration: 10.3 ± 2.89 (7.8 - 15.8) msec.
At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 14 (12 - 15) kHz.
Linden *et al.* (2014: 40) reported the following parameters from the Souhpansberg range (RSA): F_{min}: 12 - 14 kHz, F_{char}: 12 - 14 kHz, F_{knee}: 12 - 15 kHz, Slope: 32 - 66 OPS, duration: 8 - 16 msec.

From Swaziland, the following values were reported by Monadjem *et al.* (2017c: 179): F_{min}: 11.8 ± 0.50 (11.3 - 12.5) kHz, F_{knee}: 13.1 ± 1.08 (11.9 - 14.5) kHz, F_c: 12.3 ± 0.72 (11.6 - 13.4) kHz and duration: 14.2 ± 3.89 (9.0 - 20.7) msec.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Smith *et al.* (1986) described the karyotype as having a diploid number of 2*n* = 48, aFN = 66, BA = 20, X = SM, Y = A, this is supported by Rautenbach *et al.* (1993).
Protein / allozyme - Unknown.

HABITAT:
See Dunlop (1999).

HABITS:
See Dunlop, 1999).

ROOST:
See Dunlop (1999).

MIGRATION:
May make local migrations, as they only appear in parts of their range (northeastern Congo) at the end of the dry season (Allen *et al.*, 1917; Dunlop, 1999).

DIET:
In the Limpopo province (RSA), Taylor *et al.* (2017b: 246, 252 - 254) found 93 prey items spread over seven insect orders: Lepidoptera (100 % [found in all faecal pellets] and covering 17 families: *Synemon austera* + *Talanga sexpunctalis* + *Antaeotricha* sp. + *Elachista* sp. + *Araeopteron* sp. + *Dyops subdifferens* + *Eublemma* sp. + *Peridrome orbicularis* + *Spargaloma sexpunctata* + *Eutelia polychorda* + *Lophoptera* sp. + *Phlegetonia callichroma* + *Acanthovalva inconspicuaria* + *Achrosis pyrrhularia* + *Aethalura punctulata* + *Cabera AH02SA* + *Chiasmia interrupta* + *Ennominae* sp. + *Eupithecia* sp. + *Isturgia arizeloides* + *Isturgia roraria* + *Isturgia pulinda* + *Scopula atricapilla* + *Hyblaea puera* + *Gonometa postica* + *Sena* sp. + *Sena prompta* + *Xenopseustis* sp. + *Acronicta psi* + *Adisura marginalis* + *Athetis ignava* + *Bastilla torrida* + *Bryophila AH01Pe* + *Chasmina lispodes* + *Chasmina* sp. + *Condica parista* + *Copitarsia* + *Cortyta canescens* + *Enmonodia capensis* + *Grammodes stolida* + *Harrisimemna trisignata* + *Heterochroma BioLep767* + *Hypotacha* sp. + *Leucania BioLep10* + *Leucania BioLep162* + *Leucania multilinea* + *Leucania Poole05* + *Leucania porphyrodes* + *Mythimna consanguis* + *Mythimna convecta* + *Mythimna impura* + *Mythimna oxygala* + *Mythimna nigrisparsa* + *Mythimna obsoleta* + *Mythimna* sp. + *Niphonyx segregata* + *Hadenini* sp. + *Ophiusa tirhaca* + *Pandesma robusta* + *Paratrachea laches* + *Pericyma atrifusa* + *Polia piniae* + *Rhesala moestalis* + *Spodoptera exigua* + *Tycomarptes* sp. + *Xanthodes malvae* + *Garella nilotica* + *Maurilia arcuata* + *Meganola dentata* + *Meganola baracoana* + *Pseudosomera noctuiformis* + *Stenoptilia* sp. + *Phycitinae* + *Copaxa lavendera* + *Pseudautomeris irene* + *Agrius convolvuli* + *Cochylidia implicitana* + *Platphalonidia felix* + unmatched), Coleoptera (67 % - *Cybister tripunctatus* + unmatched), Hemiptera (29 % - *Macrorhaphis acuta* + *Nezar viridula* + unmatched), Diptera, Orthoptera (Tettigoniinae), Blattodea (25 % - *Pycnoscelus* sp. + unmatched) and Neuroptera (29 % - unmatched).

POPULATION:
Structure - Verschuren (1957) found females outnumbered males in the roost at a ratio of four to one.
Density - Smithers, 1983) reported *M. midas* roosting in groups of up to several hundred; however, Verschuren, 1957) only recorded groups of 10-20 individuals leaving roosts. In Madagascar, no large colonies have been found and it is thought to be a locally common species with a patchy distribution. The maximum recorded colony was near Amboasary of 600 individuals (Jenkins *et al.*, 2008a; IUCN, 2009).
Trend - 2008 - Decreasing (Jenkins *et al.*, 2008a; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
See Dunlop (1999).

REPRODUCTION AND ONTOGENY:
See Dunlop (1999).

Krutzsch (2000: 127) indicates that this species is polyoestrous.

MATING:
See Dunlop (1999).
PARASITES:
Several mites have been recorded for this species,

including *Chelanyssus aethiopicus* (Family Macronyssidae) and *Nycteriglyhus tadaridae* (Family Rosensteiniidae) (Anciaux de Faveaux, 1971; 1976a). Bat fleas (Siphonaptera) have also been recorded (Dunlop, 1999). *Lagaropsylla hoogstraali* (Ischnopsyllidae: Ischnopsyllinae) was found amongst a batch of fleas taken from *M. midas* in the Kruger National Park, South Africa in the Pafuri area (Segerman and Braack, 1988).

SIPHONAPTERA
Ischnopsyllidae: *Lagaropsylla hoogstraali* Smit, 1957 from Rwanda (Haeselbarth *et al.*, 1966: 190), and Madagascar (Hastriter, 2016: 17).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera in 15 individuals from Limpopo Province, South Africa, none were tested positive (0/15).
One out of two specimens tested by Geldenhuys *et al.* (2013: 517) in Makhado, Limpopo, RSA was found to be positive for CoV.

Paramyxoviridae
Mélade *et al.* (2016b: 4) tested 19 Madagascan specimens of which one was positive for paramyxoviruses.

UTILISATION:
In Madagascar, Goodman *et al.* (2008d) found that these bats were caught, cooked and then fed to domestic pigs.

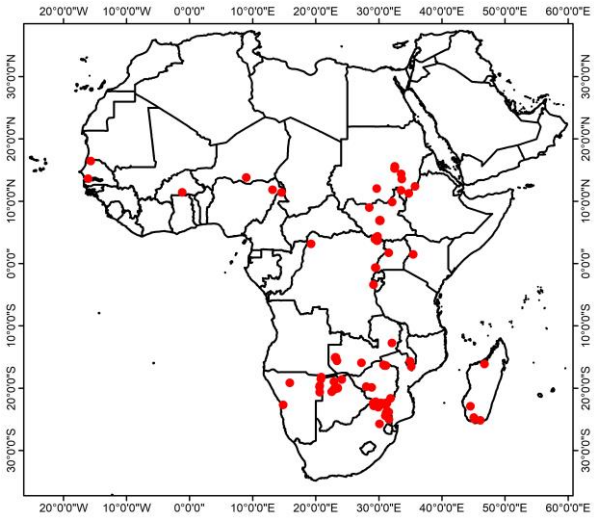

Figure 177. Distribution of *Mops* (*Mops*) *midas*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Botswana, Burkina Faso, Cameroon, Congo (Democratic Republic of the), Ethiopia, Kenya, Madagascar, Malawi, Namibia, Niger, Nigeria, Senegal, South Africa, South Sudan, Sudan, Uganda, Zambia, Zimbabwe.

Mops (Mops) midas miarensis (A. Grandidier, 1869)

*1869. *Nyctinomus Miarensis* A. Grandidier, Rev. Mag. Zool., ser. 2, 21: 337. Publication date: September 1869. Type locality: Madagascar: between Soua-haze and Soua-hané [sic]: Miari [probably Miary near Tuléar] [Goto Description]. Holotype: MNHN 29: ad ♀. Holotype: MNHN ZM-MO-1997-1851: ad ♀, alcoholic (skull not removed). Collected by: Alfred Grandidier. See Peterson *et al.* (1995: 174). Number 229 in Rode (1941).
1870. *Nyctinomus unicolor* A. Grandidier, Rev. Mag. Zool., ser. 2, 22: 49. Publication date: February 1870. Type locality: Madagascar: "Madagascar" [Goto Description].
? *Mops (Mops) midas miarensis:* (Name Combination, Current Combination)
? *Mops miarensis:* (Name Combination)
? *Mops midas miarensis:* (Name Combination)

GENERAL DISTRIBUTION:
E, SW, S Madagascar.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Mops (Mops) midas midas (Sundevall, 1843)

*1843. *Dysopes midas* Sundevall, Kongl. Svenska Vet.-Akad. Hand., ser. 3, 30: 207, pl. 2, fig. 7 [for 1842]. Publication date: 1843. Type locality: Sudan: Blue Nile Province: E-bank White Nile: Valid Sohey [= Wad Shala]: restricted by Turni and Kock (2008: 68). [14 34 N 13 48 E]. Syntype: BMNH 1846.6.2.20: ad ♂, skin and skull. Formerly Stockholm Museum (ZSM no. 523), locality: Bahr el Abiad. See Turni and Kock (2008: 68). Syntype: ZMB 535: skin only. Collected by: Hedenborg; collection date: 1831 - 1835. From [Dar] Sennar, Sudan; see Turni and Kock (2008: 68). Syntype: ZSM. Collected by: Hedenborg; collection date: 1846. See Turni and Kock (2008: 68). Syntype: ZSM, skin only. Collected by: Hedenborg;

collection date: 1836. See Turni and Kock (2008: 68). - Comments: Horácek *et al.* (2000: 137) mention "Bahr-el-Abiad, White Nile" as type locality. Meester *et al.* (1986: 73): "Bahr-el-Abiad (White Nile), Sudan. Kock (1969a: 154) suggests that the type locality is at Jebel el Funj, between the White and Blue Nile, and Koopman (1975, and in litt.) restricts it to the east (not west, as shown in 1975: 429) bank of the White Nile at 11 45 N 33 30 E, Blue Nile Province, Sudan."). El-Rayah (1980: 264) believes the restriction to Jebel el Funj is incorrect as Sundevall described the type locaility as Bahr el-Abiad which is the area south of Omdurman (15 19 N 32 29 E) and commonly known as Bahar Abiad and restricts the type locality to the vicinity of Jebel Aulia (15 19 N 32 31 'E). For a deeper discussion on the type locality, see Turni and Kock (2008: 68). - Etymology: According to a legend the mythological King Midas of Phrygia offended Apollo, so the god turned Midas' ears into those of a donkey, i.e. in very long ears; which in this species are relatively large (see Lanza *et al.*, 2015: 304).

? *Mops (Mops) midas midas:* (Name Combination, Current Combination)
? *Mops midas midas:* (Name Combination)
? *Tadarida midas midas:* (Name Combination)

GENERAL DISTRIBUTION:
Continental Africa; Arabia.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Botswana, Burkina Faso, Congo (Democratic Republic of the), South Sudan, Zambia.

Mops (Mops) niangarae J.A. Allen, 1917

*1917. *Mops niangaræ* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 468. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Niangara [03 24 N 27 52 E] [Goto Description]. Holotype: AMNH 48901: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 12 December 1910; original number: 1313. - Etymology: Referring to the locality where the type specimen was found.

? *Mops (Mops) niangarae:* (Name Combination, Current Combination)
? *Mops niangarae:* (Current Spelling)
? *Tadarida congica niangarae:* (Name Combination)

TAXONOMY:
Peterson (1972) and Thorn *et al.* (2009: 68) included this species in *trevori*. Hayman and Hill (1971) listed it as a subspecies of *Tadarida congica* (=*Mops congicus*). Freeman (1981b: 111, 159) considered it a distinct species pending collection of additional specimens.

Additional studies are needed into the systematic status of *Mops niangarae*, especially with regards to its relationship to *M. trevori* (see Hayman and Hill, 1971; Peterson, 1972; Freeman, 1981b; Simmons, 2005).

COMMON NAMES:
Czech: morous niangaranský. English: Niangara Mops Bat, Niangaran Mops Bat, Niangara Free-tailed Bat. French: Tadaride du Niangara. German: Niangara-Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of continuing problems with its taxonomy, and lack of recent information on its extent of occurrence, ecological requirements and threats (Mickleburgh *et al.*, 2008bq; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) [assessed as *Tadarida niangarae*] (Mickleburgh *et al.*, 2008bq; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2004bj; IUCN, 2004). 2002 - CR B1+2c (Mickleburgh *et al.*, 2002a: 22). 1996 - DD (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are currently unknown (Mickleburgh *et al.*, 2008bq; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bq) [in IUCN (2009)] report that it is not known if the species is present in any protected areas. Additional studies are needed into the distribution, natural history and threats to this little-known bat.

GENERAL DISTRIBUTION:
Mops niangarae is known only from the holotype

collected from "Niangara, northeastern Belgian Congo" (Democratic Republic of the Congo near the border with Sudan) (Allen *et al.*, 1917; Lang and Chapin, 1917a).

Native: Congo (The Democratic Republic of the) (Allen *et al.*, 1917; Lang and Chapin, 1917a).

POPULATION:
Structure and Density - It is known only from the holotype.
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008bq; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the).

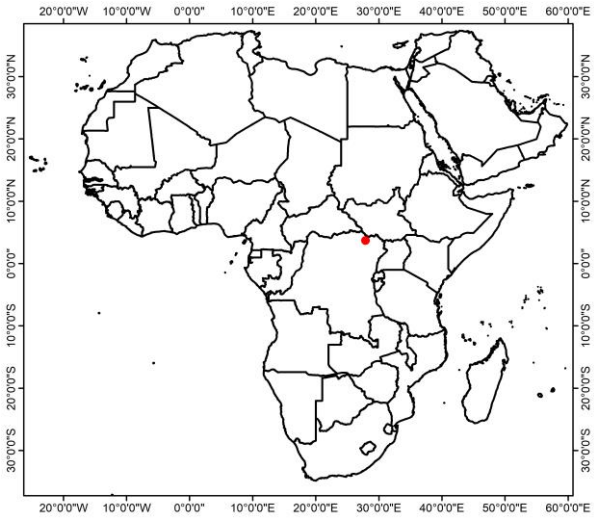

Figure 178. Distribution of *Mops* (*Mops*) *niangarae*

Mops (Mops) niveiventer Cabrera and Ruxton, 1926

*1926. *Mops angolensis niveiventer* Cabrera and Ruxton, Ann. Mag. nat. Hist., ser. 9, 17 (103): 594. Publication date: 1 May 1926. Type locality: Congo (Democratic Republic of the): Kasai Occidental province: St. Joseph de Luluabourg [=Kananga] [ca. 05 53 S 22 26 E, 610 m] [Goto Description]. Holotype: BMNH 1926.7.6.109: ♀, skin and skull. Collection date: 16 April 1924; original number: 409.
1937. *Mops chitauensis* J. Eric Hill, Am. Mus. Novit., 916: 2, 3, text-fig. 1. Publication date: 17 April 1937. Type locality: Angola: Malange district: Chitau [11 15 S 17 01 E, 4 930 ft] [Goto Description]. Holotype: AMNH 88116: ad ♂, skin and skull. Collected by: Lee S. Bradley and the Phipps-Bradley Expedition; collection date: 10 February 1933; original number: 676.
1975. *Tadarida nivieventer:* Fenton, Life Sci. Occ. Pap., R. Ont. Mus., 104: 23. (Lapsus)
? *Mops (Mops) niveiventer:* (Name Combination, Current Combination)
? *Mops niveiventer:* (Name Combination)
? *Tadarida (Mops) niveiventer:* (Name Combination)
? *Tadarida niveiventer:* (Name Combination)

TAXONOMY:
Koopman (1993a) suggested that *niveiventer* is possibly a subspecies of *demonstrator*. Here considered a distinct species following Simmons (2005).

COMMON NAMES:
Czech: morous sněhobílý. English: White-bellied Mops Bat, White-bellied Free-tailed Bat. French: Tadaride à ventre blanc. German: Weißbauch-Bulldoggfledermaus. Portuguese: Morcego de cauda livre de ventre branco.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a degree of habitat modification, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Cotterill, 2008f; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida niveiventer*] (Cotterill, 2008f; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Cotterill, 2004f; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is locally threatened in parts of its range, often through general deforestation and the conversion of suitable habitat by shifting agricultural practices (Cotterill, 2008f; IUCN, 2009).

CONSERVATION ACTIONS:
Cotterill (2008f) [in IUCN (2009)] report that there appear to be no direct conservation measures in place for this species. It is not known if the species is present within any protected areas. Further studies are needed into the distribution and systematics of this species.

GENERAL DISTRIBUTION:
Mops niveiventer is present in Central Africa and

parts of Southern Africa. It has been recorded from eastern Angola, southern Democratic Republic of the Congo, northern Zambia, Rwanda, northern Mozambique and possibly from Malawi.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 722,774 km^2.

Records from Botswana and Madagascar are definitely *condylurus* (see Hayman and Hill, 1971: 61; Meester *et al.*, 1986: 74; Simmons, 2005).

Native: Angola (Monadjem *et al.*, 2010d: 544); Burundi; Cameroon (Bol *et al.*, 2011: 48; Bakwo Fils *et al.*, 2014: 4); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 544); Mozambique (Monadjem *et al.*, 2010d: 544); Rwanda; Tanzania; Zambia (Ansell, 1973; Monadjem *et al.*, 2010d: 544).
Presence uncertain: Malawi.

The record from Cameroon is probably doubtful (Jakob Fahr, pers. comm.).

DENTAL FORMULA:
Dorst (1957b: 134) indicated the milk dentition of *Mops angolensis niveiventer* shows some differences with the dentition of *Mops angolensis* he described previously (Dorst, 1949), a fact he attributed to it being a different geographic race. However, the latter form is currently considered to belong to a separate species: *Mops (Mops) condylurus*. The upper milk toothrow of *niveiventer* consists of three functional teeth wich are reduced to pegs, and two additional, vestigial teeth. In the lower toothrow there are three incisors of different shape and a remarkably developed canine. There is also one premolar, which is clearly developed, but not functional as it doesn't erupt through the gum. This tooth is resorbed in the young.

ECHOLOCATION:
From Maroua, Cameroon, Manga Mongombe (2012: 79) and Bakwo Fils *et al.* (2018: 4) reported a FM call type for 10 calls and the following parameters: F_{max}: 37.7 ± 2.9 (32.2 - 40.8) kHz, F_{min}: 34.1 ± 2.6 (29.9 - 37.6) kHz, F_{mean}: 35.9 ± 2.8 (31.1 - 39.3) kHz, F_{knee}: 37.6 ± 2.7 (32.1 - 40.8) kHZ, F_{char}: 34.1 ± 2.6 (30.1 - 37.6) kHz, and duration: 0.74 ± 0.10 (0.65 - 0.95) msec.

POPULATION:
Structure and Density - This is a locally common species that can be found in large colonies of up to hundreds of individuals within buildings, but is more often present in smaller numbers (Cotterill, 2008f; IUCN, 2009).
Trend - 2008 - Unknown (Cotterill, 2008f; IUCN, 2009).

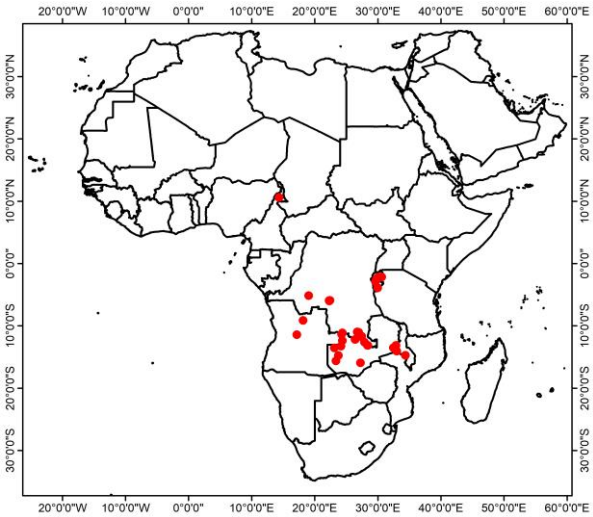

Figure 179. Distribution of *Mops* (*Mops*) *niveiventer*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Burundi, Cameroon, Congo (Democratic Republic of the), Mozambique, Rwanda, Zambia, Zimbabwe.

Mops (Mops) trevori J.A. Allen, 1917

*1917. *Mops trevori* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 469, pl. 48, fig. 2. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Faradje [03 44 N 29 43 E] [Goto Description]. Holotype: AMNH 49250: ad ♀, skull and alcoholic. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 29 September 1912; original number: 1954. - Etymology: In honour of John B. Trevor, a Trustee of the American Museum of Natural History and Chairman of the Committee on African Exploration, whose enthousiasm and generosity in support of the Congo Expedition contributed to its success (see Allen, 1917: 469).
1996. *Mops trevoli:* Kityo and Kerbis, J. East Afr. Nat. Hist., 85: 63. (Lapsus)
? *Mops (Mops) trevori:* (Name Combination, Current Combination)
? *Tadarida trevori:* (Name Combination)

TAXONOMY:
Formerly included in *niangarae*; see Freeman (1981b: 111, 159).

COMMON NAMES:
Czech: morous Trevorův. English: Trevor's Mops Bat, Trevor's Free-tailed Bat, Trevor´s Bat. French: Tadaride d'Allen, Tadaride de Trevor. German: Trevors Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) since, although it has been recorded over a very wide area, there are only very few records, and very little is known about its status, threats and habitat requirements (Mickleburgh *et al.*, 2008bv; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) [assessed as *Tadarida trevori*] (Mickleburgh *et al.*, 2008bv; IUCN, 2009). 2004 - VU A4c ver 3.1 (2001) (Mickleburgh *et al.*, 2004aw; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is generally threatened by habitat loss, resulting from the conversion of land to agricultural use, and the extraction of firewood and timber (Mickleburgh *et al.*, 2008bv; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bv) [in IUCN (2009)] report that there appear to be no direct conservation measures in place, however, it has been recorded from some protected areas. Further studies are needed into the distribution, natural history and threats to this little-known bat.

GENERAL DISTRIBUTION:
Mops trevori has been patchily recorded in parts of West and Central Africa. In West Africa It has been recorded from Guinea, Côte d'Ivoire, Comoe in Ghana, and Agege in Nigeria. In Central Africa it has been recorded from the Central African Republic, parts of eastern Democratic Republic of the Congo and western Uganda.

Native: Central African Republic; Congo (The Democratic Republic of the); Côte d'Ivoire; Ghana; Guinea; Nigeria; Sudan; Uganda (Kityo and Kerbis, 1996: 63).

POPULATION:
Structure and Density - Little is known about the abundance of this apparently rare species, but it is presumed that colony size is likely to be small (Mickleburgh *et al.*, 2008bv; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008bv; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Nigeria, South Sudan, Uganda.

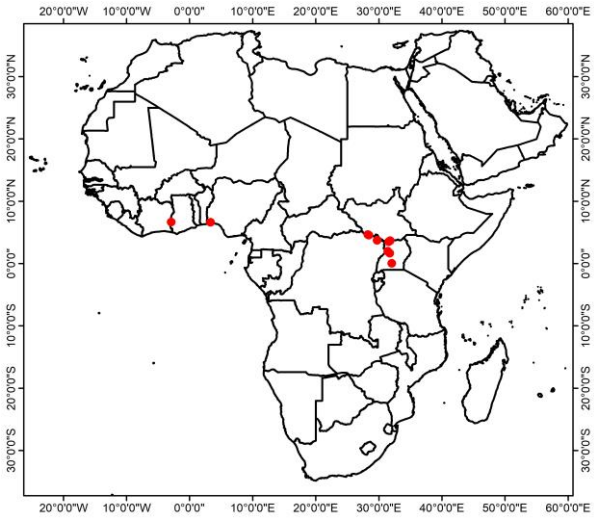

Figure 180. Distribution of *Mops* (*Mops*) *trevori*

Subgenus *Mops (Xiphonycteris)* Dollman, 1911

*1911. *Xiphonycteris* Dollman, Ann. Mag. nat. Hist., ser. 8, 7 (38): 210. Publication date: 1 February 1911 [Goto Description]. - Comments: Type species: *Xiphonycteris spurrelli* Dollman, 1911.
? *Mops (Xiphonycteris):* (Name Combination, Current Combination)
? *Tadarida (Xiphonycteris):* (Name Combination)

Mops (Xiphonycteris) bakarii Stanley, 2009

*2008. *Mops bakarii* Stanley, Acta Chiropt., 10(2): 184, Figs 2 -6. Publication date: December 2008. Type locality: Tanzania: Pemba Island, Kipangani Village: in attic of hospital [4.96487 S 39.71456 E, 12m]. Holotype: FMNH 192895: ad ♂, skin and skull. Collected

by: William ("Bill") T. Stanley; collection date: 5 August 2006; original number: WTS 7307. Paratype: FMNH 192824: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7312. Paratype: FMNH 192825: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7313. Paratype: FMNH 192826: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7327. Paratype: FMNH 192827: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7328. Paratype: FMNH 192828: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7329. Paratype: FMNH 192829: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7335. Paratype: FMNH 192830: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7336. Paratype: FMNH 192831: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7337. Paratype: FMNH 192832: ad ♀. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7338. Paratype: FMNH 192833: ad ♀. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7339. Paratype: FMNH 192834: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7345. Paratype: FMNH 192835: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7347. Paratype: FMNH 192836: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7348. Paratype: FMNH 192894: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7306. Paratype: FMNH 192896: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7308. Paratype: FMNH 192897: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7322. Paratype: FMNH 192898: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7331. Paratype: FMNH 192899: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7332. Paratype: FMNH 192900: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7333. Paratype: FMNH 192901: ad ♂. Collected by: William ("Bill") T. Stanley; collection date: 5 - 6 August 2006; original number: WTS 7334. - Etymology: In honour of Dr. Bakari Asseid, director of the Department of Commercial Crops, Fruits and Forestry, Zanzibar, to recognize his significant contributions to the conservation of natural habitats and biota of Zanzibar (including both Pemba and Unguja Islands) (see Stanley, 2008: 185).

? *Mops (Xiphonycteris) bakarii:* (Name Combination, Current Combination)

COMMON NAMES:
Czech: morous Stanleyův.

GENERAL DISTRIBUTION:
O'Brien (2011: 288) reports it from Pemba.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Tanzania.

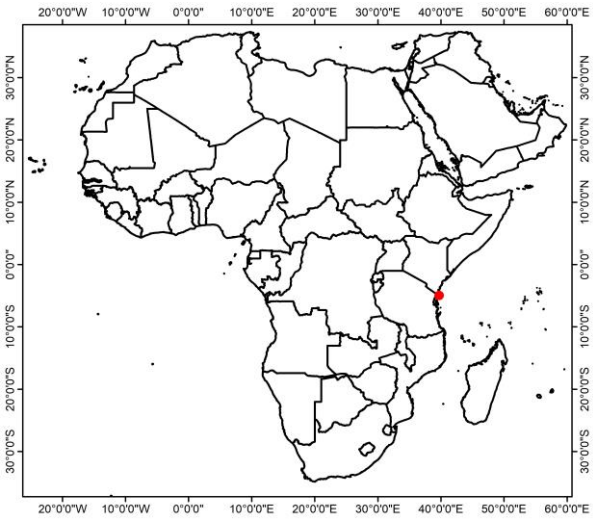

Figure 181. Distribution of *Mops* (*Xiphonycteris*) *bakarii*

Mops (Xiphonycteris) brachypterus (Peters, 1852)

*1852. *Dysopes brachypterus* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 59, pl. 15, fig. 1. Publication date: 1852. Type locality: Mozambique: Mozambique Island [15 03 S 40 46 E] [Goto Description]. Holotype: ZMB 536/85537: ad ♂, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008) [skin: ZMB 536 + skull: ZMB 85537 (=An 16356)]. Neotype: ROM 46721: ad ♂, skin and skull. Collected by: Terence Michael Shortt and A.E. Williams; collection date: 24 June 1968; original number: SG301. - Etymology: From the Greek adjective "*βρᾰχύς*" (brakhìs), meaning "short" and the Greek neuter substantive "*πτερόν*" (pteròn), meaning "wing"; but actually the species' wings are not particularly short (see Lanza *et al.*, 2015: 295).

1877. *Nyctinomus [(Nyctinomus)] brachypterus:* Dobson, Proc. zool. Soc. Lond., 1876, IV: 722. Publication date: April 1877. (Name Combination)

1908. *Nyctinomus leonis* Thomas, Ann. Mag. nat. Hist., ser. 8, 2 (10): 373. Publication date: 1 October 1908. Type locality: Sierra Leone: "Sierra Leone" [Goto Description]. Holotype: BMNH 1862.12.23.3: ad ♂, skin and skull. Presented/Donated by: J. Brown Esq. (Specimen "c" of Dobson's catalogue).

1917. *Nyctinomus ochraceus* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 455. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Medje [02 25 N 27 18 E, 800 m] [Goto Description]. Holotype: AMNH 48821: ad ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 16 March 1910; original number: 745.

1980. *Tadarida (Mops) brachyptera:* El-Rayah, Systematics of African molossid bats of the subgenus *Xiphonycteris* of the genus *Tadarida* (Molossidae: Chiroptera) - PhD Thesis - University of Toronto:, 231.

? *Chaerephon leonis ochraeus:*

? *Mops (Xiphonycteris) brachypterus:* (Name Combination, Current Combination)

? *Mops brachypterus leonis:* (Name Combination)

? *Mops brachypterus ochraceus:* (Name Combination)

? *Mops brachypterus:* (Name Combination)

? *Tadarida brachyptera leonis:* (Name Combination)

? *Tadarida brachyptera:* (Name Combination)

? *Tadarida leonis leonis:*

? *Tadarida leonis ochraeus:*

? *Tadaride brachyptera:* (Name Combination)

? *Xiphonycteris leonis:*

TAXONOMY:
Includes *leonis*; see El-Rayah (1981: 6). Stanley (2008: 190) points out that *brachypterus* is in need of revision, since the dental features (e.g. size of upper canines and first upper premolar) differ between for the holotype and continental specimens attributed to it.

Monadjem *et al.* (2016y: 368) and Herkt *et al.* (2017: Appendix S9) found differences in the ecological niches and a clear geographic gap between the distribution areas of *brachypterus* and *leonis* sensu stricto, but as genetic tests evaluating the distinct species status are still lacking, they are still considered to represent the same species.

COMMON NAMES:
Czech: morous krátkokřídlý. English: Sierra Leone Mops Bat, Short-winged Mops Bat, Sierra Leone Free-tailed Bat, White-fingered Free-tailed Bat. French: Tadaride de Peters, Tadaride à doigts blancs. German: Kurzflügel-Bulldoggfledermaus, Kurzflügeligen Doggengrämler. Italian: Carlìno brachìttero. Spanish (Castillian): Murciélago Guanero

CONSERVATION STATUS:
Global - Listed as Least Concern in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bo; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida brachyptera*] (Mickleburgh *et al.*, 2008bo; IUCN, 2009). 2004 - LC ver 3.1 (2001) [assessed as *Mops brachypterus*] (Mickleburgh *et al.*, 2004bo; IUCN, 2004).

MAJOR THREATS:
The species is threatened in parts of its range by

deforestation, presumably mostly through logging and mining activities and the conversion of land to agricultural use (Mickleburgh *et al.*, 2008bo; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bo) [in IUCN (2009)] report that it is not known if the species is present in any protected areas. Further studies are needed into the taxonomy, distribution, natural history, and threats to this species.

GENERAL DISTRIBUTION:
Mops brachypterus ranges widely from West Africa to the East African coast. In West Africa, it is distributed from the Gambia and Sierra Leone in the west, through to Nigeria and Cameroon in the east. From Cameroon, it occurs patchily eastwards through the Congo Basin to Uganda, and to coastal parts of Kenya, Tanzania (including the islands of Unguja [=Zanzibar] [where its presence is questioned according to O'Brien (2011: 289)] and Mafia) and Mozambique in the south.

Native: Cameroon; Central African Republic; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 543); Côte d'Ivoire; Equatorial Guinea; Gabon; Ghana; Guinea (Simons *et al.*, 2014: 284); Kenya; Liberia; Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 543); Nigeria; Sierra Leone; Tanzania; Togo.

Presence uncertain: Zanzibar (Stanley, 2008: 191).

Bates *et al.* (2013: 339) reject the presence of this species in the Republic of Congo.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Smith *et al.* (1986) described the karyotype as having a diploid number of 2*n* = 48, aFN = 54, BA = 8, and a presumably submetacentric X (one female studied).

HABITAT:
Monadjem *et al.* (2016y: 368) captured this bat flying over small forest streams in the Mount Nimba area, at altitudes between 450 and 550 m.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - This is a common species (Mickleburgh *et al.*, 2008bo; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008bo; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Burkina Faso, Cameroon, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Guinea, Liberia, Mozambique, Rwanda, Senegal, Sierra Leone, Tanzania, Uganda.

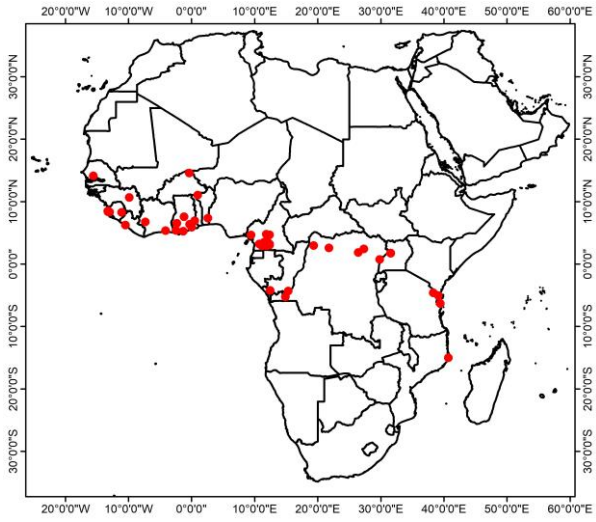

Figure 182. Distribution of *Mops* (*Xiphonycteris*) *brachypterus*

Mops (Xiphonycteris) nanulus J.A. Allen, 1917

*1917. *Mops (Allomops) nanulus* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 477. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Niangara [03 24 N 27 52 E] [Goto Description]. Holotype: AMNH 48864: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 12 December 1910; original number: 1318. Topotype: AMNH 48860: ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 48861: ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 48862: ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 48863: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 48865: ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The

American Museum Congo Expedition.

1940. *Mops calabarensis* Hayman, in: Sanderson, Trans. Linn. Soc. Lond., 24 (7) 1: 677. Publication date: January 1940. Type locality: Nigeria: Eastern region, Calabar: Ikotmbo [05 03 N 18 19 E, 50 ft]. Holotype: BMNH 1939.318: ♂, skin and skull. Collected by: Ivan T. Sanderson; collection date: 18 September 1932; original number: 3.

1940. *Mops nannulus:* Sanderson, Trans. Linn. Soc. Lond., 24 (7) 1: 677. Publication date: January 1940. - Comments: Lapsus (see Grubb *et al.* (1998: 96). (Lapsus)

2015. *Mops annulus:* Gunnel, Butler, Greenwood and Simmons, Am. Mus. Novit., 3846: 34. Publication date: 16 December 2015. (Lapsus)

? *Mops (Xiphonycteris) nanulus:* (Name Combination, Current Combination)

? *Mops nanulus:* (Name Combination)

? *Tadarida nanula calabarensis:* (Name Combination)

? *Tadarida nanula:* (Name Combination)

TAXONOMY:
Distinction from *spurrelli* not certain; see Koopman (1989a).

COMMON NAMES:
Czech: morous trpasličí. English: Dwarf Mops Bat, Dwarf Free-tailed Bat. French: Tadaride naine. German: Zwerg-Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008w; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida nanula*] (Mickleburgh *et al.*, 2008w; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004o; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
In general, there are no threats to this widespread and somewhat adaptable species. In parts of its range it is locally threatened by habitat loss, primarily deforestation resulting from logging operations and the conversion of land to agricultural use (Mickleburgh *et al.*, 2008w; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008w) [in IUCN (2009)] report that it is not known if the species is present in any protected areas. Further studies are needed into the distribution, abundance, natural history, and threats to this species.

GENERAL DISTRIBUTION:
Mops nanulus is widely, but patchily, recorded in West, Central and East Africa. It ranges from Sierra Leone and Guinea in the west, through West Africa to Cameroon, and from here east to southern Sudan, Uganda, and western Kenya with an additional record from western Ethiopia and as far south as the southern portion of the Democratic Republic of the Congo. Start (1969: 222) suggests that the species' range might have been more continuous during the Pleistocene when there was a higher degree of rainfall, resulting in a continuous belt of lowland forest between Congo and Kenya.

Native: Benin (Capo-Chichi *et al.*, 2004: 163); Cameroon; Congo (The Democratic Republic of the) (Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 544); Côte d'Ivoire; Ethiopia; Gambia (Emms and Barnett, 2005: 50; Simmons, 2005); Ghana; Guinea (Fahr *et al.*, 2006a: 73; Decher *et al.*, 2016: 276); Kenya (Start, 1969: 220); Liberia (Fahr, 2007a: 104); Nigeria; Sierra Leone; Sudan; Uganda.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Start (1969: 221) indicates that there appears to be a general cline from pale-winged red forms in the west to dark-winged brown ones in the east, although this is not absolute.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Smith *et al.* (1986) reported 2*n* = 48, FN = 54, BA = 8, a submetacentric X chromosome and an acrocentric Y chromosome.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - This is a common species (Mickleburgh *et al.*, 2008w; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008w; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Start (1969: 221) reports on six female specimens collected in West Pokot (Kenya) between 25 and 29 August 1967, of which five were carrying well developed embryos, whereas the sixth was lactating.

Krutzsch (2000: 127) indicates that "*Tadarida (Mops) nanulus*" is polyoestrous.

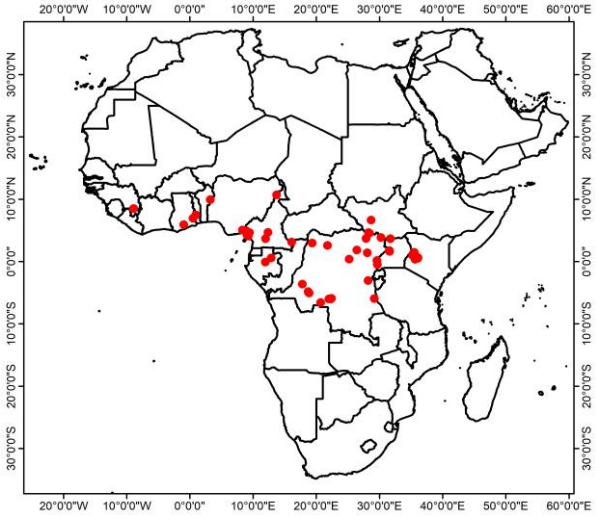

Figure 183. Distribution of *Mops* (*Xiphonycteris*) *nanulus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Gabon, Ghana, Guinea, Kenya, Nigeria, Sierra Leone, South Sudan, Togo, Uganda.

Mops (Xiphonycteris) petersoni (El Rayah, 1981)

*1981. *Tadarida [(Xiphonycteris)] petersoni* El Rayah, Life Sci. Occ. Pap., R. Ont. Mus., 36: 3, figs 1 - 2. Publication date: 11 December 1981. Type locality: Cameroon: Kumba, 15 km S [04 39 N 09 26 E] [Goto Description]. Holotype: ROM 55813: ad ♂, skull and alcoholic. Collected by: Randolph L. Peterson; collection date: 27 January 1970; original number: 0364. See: 3). Paratype: AMNH 236332: ♂, skin and skull. 6 km SE Eseka(03°35'N 10°44'E) (See El-Rayah, 1981: 3). Paratype: AMNH 236333: ♂, skin and skull. 6 km SE Eseka(03°35'N 10°44'E) (see: El-Rayah, 1981: 3). Paratype: AMNH 241075: ♂, skin and skull. near Okola (04°00'N 11°33'E) (see El-Rayah, 1981: 3). Paratype: AMNH 241076: ♂, skin and skull. 30 km E Nanga Emboko (04°38'N 12°21'E) (see El-Rayah, 1981: 3). Paratype: AMNH 241078: ♀, skin and skull. 30 km E Nanga Emboko (04°38'N 12°21'E) (see El-Rayah, 1981: 3). - Etymology: In honour of Randolph L. Peterson, collector of the type specimen.

? *Mops (Xiphonycteris) petersoni:* (Name Combination, Current Combination)

? *Mops petersoni:* (Name Combination)

? *Tadarida petersoni:* (Name Combination)

TAXONOMY:
Described in *Tadarida (Xiphonycteris)*, but see comments under *Tadarida* and *Mops*.

COMMON NAMES:
Czech: morous kamerunský. English: Peterson's Mops Bat, Peterson's Free-tailed Bat. French: Tadaride de Peterson. German: Petersons Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU A4c ver 3.1 (2001)) because it is suspected that a population decline, estimated to be more than 30% would be met over a ten-year period which is ongoing from the recent past to the near future, inferred from the loss of its primary forest habitat (Mickleburgh *et al.*, 2008bt; IUCN, 2009).

Assessment History -
2008 - VU A4c ver 3.1 (2001) [assessed as *Tadarida petersoni*] (Mickleburgh *et al.*, 2008bt; IUCN, 2009). 2004 - VU A4c ver 3.1 (2001) (Mickleburgh *et al.*, 2004av; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
The species is considered to be threatened by loss and degradation of forest habitats within its known range, largely through the conversion of land to agricultural use and the extraction of firewood and timber (Mickleburgh *et al.*, 2008bt; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bt) [in IUCN (2009)] report that there appear to be no direct conservation

measures in place for this species. It is not known if the species is present within any protected areas. There is a need to maintain areas of suitable forest within the range of this species. Further studies are needed into the distribution, abundance, breeding biology and general ecology of this species.

GENERAL DISTRIBUTION:
Mops petersoni has only been recorded from Ghana and Cameroon (with type locality at '15 km S Kumba'), with no records from the intervening countries of Togo, Benin and Nigeria. Koopman (1993a) included "perhaps Sierra Leone" as part of the distribution, however, J. Fahr (*pers. comm.*, 2004 in Mickleburgh *et al.*, 2008bt; IUCN, 2009) indicates that there is no evidence of the species' presence.

Native: Cameroon; Ghana.
Presence uncertain: Sierra Leone (Koopman, 1993a).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Smith *et al.* (1986) reported 2*n* = 48, FN = 54, BA = 8, a submetacentric X chromosome and an acrocentric Y chromosome.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - It is considered to be a very rare species (Mickleburgh *et al.*, 2008bt; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008bt; IUCN, 2009).

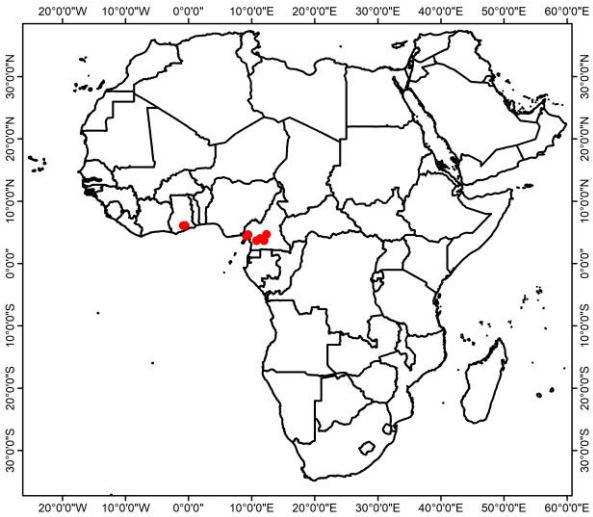

Figure 184. Distribution of *Mops* (*Xiphonycteris*) *petersoni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Cameroon, Ghana.

Mops (Xiphonycteris) spurrelli (Dollman, 1911)

*1911. *Xiphonycteris spurrelli* Dollman, Ann. Mag. nat. Hist., ser. 8, 7 (38): 211. Publication date: 1 February 1911. Type locality: Ghana: Western province: 60 mi (90 km) W Kumasi: Bibianaha [=Bibiani] [06 28 N 02 20 W, 720 ft] [Goto Description]. Holotype: BMNH 1911.1.11.1: ad ♂. Collected by: Dr. H.G.F. Spurrell; collection date: 8 December 1910; original number: 34. - Etymology: In honour of dr. H.G.F. Spurrell, who collected the type specimen, and provided many rare and unique West-African mammals to National Collection (see Dollman, 1911: 211).
1973. *Xiphonycteris spurelli:* Eisentraut, Bonn. zool. Monogr., 3: 47. (Lapsus)
? *Mops (Xiphonycteris) spurelli:* (Lapsus)
? *Mops (Xiphonycteris) spurrelli:* (Name Combination, Current Combination)
? *Mops spurrelli:* (Name Combination)
? *Tadarida spurelli:* (Lapsus)
? *Tadarida spurrelli:* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: morous sahelský. English: Spurrell's Mops Bat, Spurrell's Free-tailed Bat. French: Tadaride de Spurell. German: Spurrells Bulldoggfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008dm; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida spurrelli*] (Mickleburgh *et al.*, 2008dm; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004cm; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
The species is locally threatened by deforestation,

often through conversion of land to agricultural use or by extraction of timber and firewood (Mickleburgh *et al.*, 2008dm; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dm) [in IUCN (2009)] report that there appear to be no direct conservation measures in place for this species, and it is not known if the species is present within any protected areas. There is a need to maintain areas of suitable forest habitat for this species. Additional studies are needed into the distribution of this species.

GENERAL DISTRIBUTION:
Mops spurrelli ranges through parts of West and Central Africa. It occurs from Sierra Leone in the west, through Liberia, Guinea, Côte d'Ivoire and Togo, to Cameroon, Equatorial Guinea (Bioko and Rio Muni), the Central African Republic with a record from the eastern part of The Democratic Republic of the Congo. It is possibly present in other countries, such as Benin, Nigeria and Congo, however, this needs to be confirmed.

Native: Cameroon; Central African Republic; Congo (The Democratic Republic of the); Côte d'Ivoire; Equatorial Guinea (Bioko); Ghana; Guinea (Fahr and Ebigbo, 2003: 128); Liberia; Sierra Leone; Togo.

Presence uncertain: Benin; Congo; Nigeria.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Smith *et al.* (1986) reported 2*n* = 48, FN = 64, BA = 18, a submetacentric X chromosome for a female.
Protein / allozyme - Unknown.

HABITAT:
At Mount Nimba, Monadjem *et al.* (2016y: 368) recorded this species over small streams and swamps at altitudes between 450 and 600 m.

POPULATION:
Structure and Density - Within Central Africa this is a very common species and is believed to have quite large colonies (Mickleburgh *et al.*, 2008dm; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008dm; IUCN, 2009).

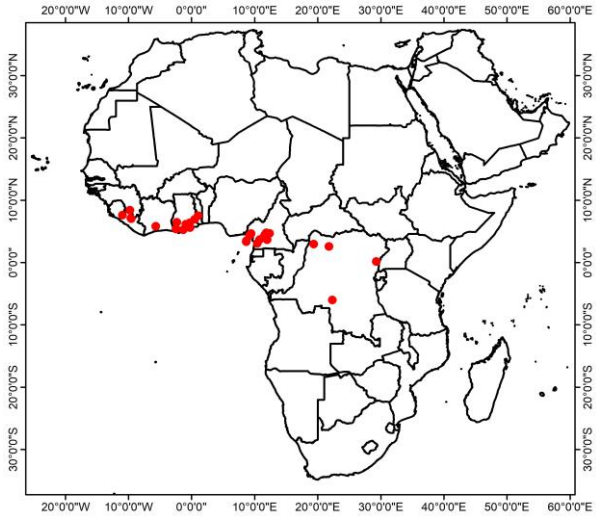

Figure 185. Distribution of *Mops* (*Xiphonycteris*) *spurrelli*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ghana, Liberia, Sierra Leone, Togo.

Mops (Xiphonycteris) thersites (Thomas, 1903)

*1903. *Nyctinomus thersites* Thomas, Ann. Mag. nat. Hist., ser. 7, 12 (72): 634. Publication date: 1 December 1903. Type locality: Cameroon: Efulen [02 46 N 10 42 E] [Goto Description]. Holotype: BMNH 1904.2.8.4: ad ♂. Collected by: George Latimer Bates Esq. 3 specimens: see Thomas (1903e: 635). - Etymology: Thersites was one of the members of the Greek army against Troy. He tried to stir up the army against its leaders, for which he got beaten by Odysseus. His name is a scorn: naughty boy. He was an excessive thwaddler, with deformed legs, feet, and bent over shoulders, a pointed head and thin flaky hair.
1917. *Mops (Allomops) occipitalis* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 474, text-fig. 15. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Avakubi [01 18 N 27 32 E] [Goto Description]. Holotype: AMNH 48851: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 13 February 1914; original number: 2487.
1973. *Tatarida theresites:* Eisentraut, Bonn. zool. Monogr., 3: 113. (Lapsus)
? *Mops (Xiphonycteris) thersites:* (Name Combination, Current Combination)
? *Mops (Xyphonycteris) thersites:* (Lapsus)
? *Mops thersites:* (Name Combination)
? *Tadarida (Mops) thersites:* (Name Combination)
? *Tadarida thersites thersites:* (Name Combination)

? *Tadarida thersites:* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: morous spílavý. English: Railer Mops Bat, Railer Bat. French: Tadaride de Railer. German: Thersites' Bulldoggfledermaus. Portuguese: Morcego de railer.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Gunnell *et al.* (2015a: 22) report on a number of humeri from a Pleistocene deposit at Olduvai Gorge (Tanzania), which they assigned to *Mops* cf. *M. thersites*.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a degree of habitat modification, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008dn; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Tadarida thersites*] (Mickleburgh *et al.*, 2008dn; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004cl; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
It is locally threatened by habitat destruction, often through conversion of land to agricultural use or timber extraction (Mickleburgh *et al.*, 2008dn; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dn) [in IUCN (2009)] report that there appear to be no direct conservation measures in place for this species. It is not known if the species is present within any protected areas. Additional studies are needed into the distribution of this species.

GENERAL DISTRIBUTION:
Mops thersites has been recorded from much of Western and Central Africa. It ranges from Sierra Leone in the west, through West Africa (where it has been recorded from most countries) to Cameroon, and from here south into southern parts of the Democratic Republic of the Congo, and east into Uganda, Rwanda and western Kenya. It is present on Bioko Island, Equatorial Guinea.

Native: Cameroon; Central African Republic; Congo (The Democratic Republic of the) (Schouteden, 1944; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 544); Côte d'Ivoire; Equatorial Guinea [Bioko]; Gabon; Ghana; Guinea (Fahr *et al.*, 2006b: 245; Denys *et al.*, 2013: 284); Kenya; Liberia (Fahr, 2007a: 104); Nigeria; Rwanda; Sierra Leone; Uganda.

Presence uncertain: Mozambique and Zanzibar.

Bates *et al.* (2013: 339) reject the presence of this species in the Republic of Congo as Malbrant and Maclatchy (1949) only suggested it might occur in that country and subsequent authors did not provide supporting records.

MOLECULAR BIOLOGY:
Denys *et al.* (2013: 284) report the karyotype for a single female specimen from the Guinean Mount Nimba area attributed to this species as: 2*n* = 48, NFa = 70, including four pairs of metacentric, eight pairs of subtelocentric, 11 pairs of acrocentric autosomes and a middle-sized submetacentric X chromosome.

HABITAT:
This species was captured by Monadjem *et al.* (2016y: 368) in the Mount Nimba area above water in forested and open habitats between 450 and 880 m.

POPULATION:
Structure and Density - It appears to be quite abundant in parts of its range (Mickleburgh *et al.*, 2008dn; IUCN, 2009).
Trend - Stable (Mickleburgh *et al.*, 2008dn; IUCN, 2009).

PARASITES:
Polyctenidae: *Hypoctenes clarus* Jordan, 1922, from near Kribi, Cameroon (Haeselbarth *et al.*, 1966: 18).

SIPHONAPTERA
Ischnopsyllidae: *Lagaropsylla oblique* Smit, 1957 from Sierra Leone, Cameroon and the Congo (Haeselbarth *et al.*, 1966: 191).

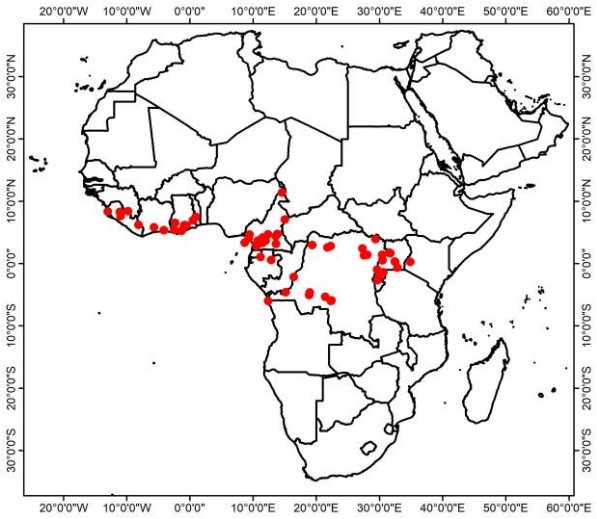

Figure 186. Distribution of *Mops* (*Xiphonycteris*) *thersites*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Cameroon, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Kenya, Liberia, Nigeria, Rwanda, Sierra Leone, Togo, Uganda.

Genus ***Mormopterus*** Peters, 1865

*1865. *Mormopterus* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 258. - Comments: Type species: *Nyctinomus (Mormopterus) jugularis* Peters, 1865. - Etymology: From the Greek "*mormopterus*" meaning phantom- or ghost-winged or winged goblin (Flannery, 1990: 367; 1995a: 408). (Current Combination)

? *Tadarida (Mormopterus):* (Name Combination)

TAXONOMY:

Meester *et al.* (1986) state that this treatment of *Mormopterus* is provisional; it has been regarded as a subgenus of *Tadarida* (Hayman and Hill, 1971) or as a vaild genus that includes *Platymops* and *Sauromys* as subgenera (Freeman, 1981b; Legendre, 1984), and the extralimital *Micronomus* as either a subgenus (Legendre loc. cit.) or a synonym (Freeman, 1981b; Peterson, 1985).

Bronner *et al.* (2003) mention that the status of *Sauromys*, described as a monotypic subgenus of the extralimital (to southern Africa) *Platymops* for the South African flat-headed free-tailed bat, remains unclear. Peterson (1965) raised it to generic rank, a treatment endorsed by many subsequent authors, and corroborated by a limited multivariate analysis of wing bone and cranial characteristics (Peterson, 1985). However, morphometric studies by Freeman (1981b) and Legendre (1984) concluded that it is a subgenus of *Mormopterus*, a position followed by Koopman (1993a, 1994). Simmons (2005) retains *Sauromys* as a valid genus in the 3rd Edition of Mammal Species of the World, a treatment we favour because of the unique ecology and morphology of *S. petrophilus*. The separation between *Mormopterus* and *Sauromys* is also supported by the analysis of the Rag2 data by Ammerman *et al.* (2013: 309).

Meester *et al.* (1986) furthermore state that it was originally described as a subgenus, but this genus was regarded as a synonym of *Platymops* by Shortridge (1942), Roberts (1951) and Ellerman *et al.* (1953). Harrison (1962) retains it as a subgenus, while Peterson (1965) raises it to generic rank, in which he is followed by Hayman and Hill (1971), Smithers (1971), Corbet and Hill (1980) and Rautenbach (1982). However, Freeman (1981b), followed by Koopman (1982) and Legendre (1984), conclude that both *Sauromys* and *Platymops* are subgenera of *Mormopterus*. We take the view that both *Platymops* and *Sauromys* are valid genera.

From their molecular study, Lamb *et al.* (2010: 203; 2011: 10) found that *M. jugularis* and *M. francoismoutoui* form a monophyletic clade (dated about 31.2 MYR), whereas a third member of the genus (the New World *M. kalinowskii*) seems more related to the South American *Nyctinomops laticaudatus* and *Nyctinomops aurispinosus*.

The analysis of the recombination activating gene 2 (Rag2) sequence data led Ammerman *et al.* (2013: 307) to conclude that the genus *Cheiromeles* is the most basal lineage within the Molossinae, and that *Mormopterus* is a sistergroup of the rest of the Molossinae.

Key in Jacobs and Fenton (2002, Mammalian Species, 703).

Known species within the genus *Mormopterus*: ***acetabulous*** (Hermann, 1804); *beccarii* Peters, 1881 – Molucca Isls, New Guinea, adjacent small islands, northern Australia (Simmons, 2005: 444); *doriae* K. Andersen, 1907 – Sumatra (Indonesia) (Simmons, 2005: 445); ***francoismoutoui*** Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst and Bowie, 2008; ***jugularis*** (Peters, 1865); *kalinowskii* (Thomas, 1893) – Peru, northern Chile (Simmons, 2005: 445); *loriae* Thomas, 1897 – northern Australia; New Guinea (Simmons, 2005: 445); *mimutus* (Miller, 1899) – Cuba (Simmons, 2005: 445); *norfolkensis* (Gray, 1840) – Norfolk Isl, southeastern Queensland, eastern New South Wales (Australia) (Simmons, 2005: 445); *phrudus* (Handley, 1956) – Peru (Simmons, 2005: 4435); *planiceps* (Peters, 1866) – southern and central Australia (Simmons, 2005: 446).

COMMON NAMES:
Czech: Petersovi morousi. English: Phantom-winged Bats, Little Bulldog Bats, Little Mastiff Bats, Little Goblin Bats, Flat-headed Bats, Flat-headed Bulldog Bats, Goblin bats. French: Tadarides. German: Mastino-Fledermäuse.

UTILISATION:
See Goodman *et al.* (2008d).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Mormopterus acetabulosus (Hermann, 1804)

*1804. *V[espertilio] acetabulosus* Hermann, Obs. Zool. , 19. Publication date: 31 August 1804. Type locality: Mauritius: Port Louis [Goto Description]. Holotype: MNHN ZM-MO-1984-368: ad? ♀. Collected by: M. Desjardins; collection date: 1829; original number: A488. Goodman *et al.* (2008c: 1324) incidcate that the specimen is labeled as type, but was collected 25 years after Hermann (1804) described it. Neotype: FMNH 187489: Collected by: Steven M. Goodman and V. Florens; collection date: 29 October 2006. Mauritius, Black River District, Palma, Palma Cave, 20 16'40.5"S 57 27'14.7"E. Goodman *et al.* (2008c: 1327) designated this as the neotype. Cheke (2009b) rejects the assignment of the neotype by Goodman *et al.* (2008c), based on article 73.1.4 and 75.8 (rules of Nomenclature - ICZN 1999). - Comments: Cheke (2009b: 1) rejects the assignment of the neotype, based on article 73.1.4 (rules of Nomenclature - ICZN 1999), which indicates that Paul Jossigny's drawings made of the specimen that Commerson once had before him in Mauritius should be considered the holotype of Hermann's *Vespertilio acetabulosus*, and that the designation of a neotype by Goodman *et al.* (2008c: 1324) is invalidated by article 75.8. The drawings on which Commerson based himself (and which were referred to by Hermann, 1804: 19) are to be found amongst the Commerson papers, in the folder of other similar drawings at MS 282(II), labelled No. 51 (Moutou, 1982, pers. obs. 2006) in the archives of the Bibiothèque du Muséum; the folder is described in paragraph 73 of Laissus's (1974) catalogue.

1820. *Nyctinomus acetabulosus:* Desmarest, Mammalogie, 117. (Name Combination)

1877. *Nyctinomus [(Mormopterus)] acetabulosus:* Dobson, Proc. zool. Soc. Lond., 1876, IV: 734. Publication date: April 1877. (Name Combination)

? *Molossus acetabulosus:* Commerson. - Comments: Dobson (1877: 734) refers for this combination to Peters (1869a: 402), and suggests it is only a manuscript name. (Name Combination)

? *Mormopterus acetabulosus:* (Name Combination, Current Combination)

? *Tadarida acetabulosus natalensis:* (Name Combination)

TAXONOMY:
See Simmons (2005: 444) and Goodman *et al.* (2008c).

Cheke (2009a: 115) indicates that Jossigny's drawing used by Hermann to describe the species in 1804 is to be considered as the lectotype of the species, which would overrule the need for a neotype as designated by Goodman *et al.* (2008c: 1324).

COMMON NAMES:
Afrikaans: Natalse losstertvlermuis. Czech: morous mauricijský. English: Natal Flat-headed Bat, Natal Wrinkle-lipped Bat, Natal Free-tailed Bat. French: Sauromys du Natal, Tadaride à lèvres ridées, Petit molosse de Port Louis. German: Mauritius Mastino-Fledermaus, Maurizische Doggengrämler.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU D2 ver 3.1 (2001)) because it is known from fewer than five

locations, and it is plausible that it will decline as a result of disturbance to its cave roosting sites (Hutson and Bergmans, 2008; IUCN, 2009).

Assessment History -
2008 - VU D2 ver 3.1 (2001) (Hutson and Bergmans, 2008; IUCN, 2009). 2004 - VU D2 ver 3.1 (2001) (Hutson and Bergmans, 2004; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

Regional -
South Africa: 2004 -considered a vagrant not assessed, known from single locality (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
It is threatened by disturbance of roosting caves, and the removal of protective grills over the caves for landfill purposes Hutson and Bergmans, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Hutson and Bergmans (2008) [in IUCN (2009)] report that it is not known if the species is present in any protected areas. There is a need to protect cave roosts of this species in Mauritius by re-grilling important sites.

GENERAL DISTRIBUTION:
Mormopterus acetabulosus is endemic to the Mascarene Islands (Mauritius) (see Goodman *et al.*, 2008c: 1316; O'Brien, 2011: 288). Records from Réunion should be assigned to *Mormopterus francoismoutoui*).

There is a single doubtful record for Madagascar (Peterson *et al.*, 1995: 150). Taylor (1998: 60) mentioned a specimen from South Africa (Durban) collected by Andrew Smith in 1833, but also states that no further specimens have been collected since. An old record from between the district of Shoa and Lake Rudolph in southern Ethiopia (Hayman and Hill, 1971: 59), most probably should be attributed to *M. francoismoutoui* (Goodman *et al.*, 2008c: 1325). Furthermore, it is now considered most likely that specimens taken outside of the Mascarene Islands were vagrants.

Monadjem *et al.* (2010d) did not retain this species for south Central Africa, but did mention the specimen from Durban, South Africa in the appendix (p. 545).

Native: Mauritius (Smith, 1833: 54; Meester *et al.*, 1986: 67; Simmons, 2005: 444; Goodman *et al.*, 2008c: 1316).

Presence uncertain: Madagascar (Dobson, 1878; Allen, 1939a; Hayman and Hill, 1971; Meester *et al.*, 1986: 67; Peterson *et al.*, 1995: 150; Simmons, 2005: 444); South Africa (Meester *et al.*, 1986: 67; Taylor, 1998: 60; Taylor, 2000: 75; Simmons, 2005: 444; Monadjem *et al.*, 2010d: 545); Sudan (Freeman, 1981b: 75).

Presence incorrectly assigned: Ethiopia (Hayman and Hill, 1971: 59; Simmons, 2005: 444; Kaipf *et al.*, 2015: 13); Réunion.

ROOST:
Middleton (1998: 91) mention large colonies occurring in two caves in the Plaine des Roches area (Mauritius), and indicate that elsewhere the colonies seldom reach 2,000 animals.

POPULATION:
Structure and Density - The largest known day roost colony on La Réunion (at Trois Bassins), with estimates from 25,000 to 10,000 individuals, is abandoned in austral winter, and it is not known where these bats spend the winter (Devaux, 2006; Issartel, 2004; Probst, 2003; Goodman *et al.*, 2008c: 1325).
Trend - 2008 - Unknown (Hutson and Bergmans, 2008; IUCN, 2009).

PARASITES:
Dietrich *et al.* (2018a: 3) reported the presence of sequences closely related to the bacterium *Leptospira borgpetersenii*.

Laudisoit *et al.* (2012: 739) indicate that the type host for *Araeopsylla martialis* (Rothschild, 1903) (Siphonaptera; Ischnopsyllidae) was originally mentioned as "*Nyctinomus acetabulosus*", but this should actually be *Mormopterus francoismoutoui*.

VIRUSES:
Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 55 individuals from the Mauritius using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 1 positive results for viral nucleic acids.

Rhabdoviridae
Of 31 specimens tested against *Lagos bat lyssavirus* and *Duvenhage lyssavirus* by Mélade *et al.* (2016a: 6), respectively five and six showed a seroreaction. This was also the case for one out of eight bats tested for *European bat lyssavirus 1*.

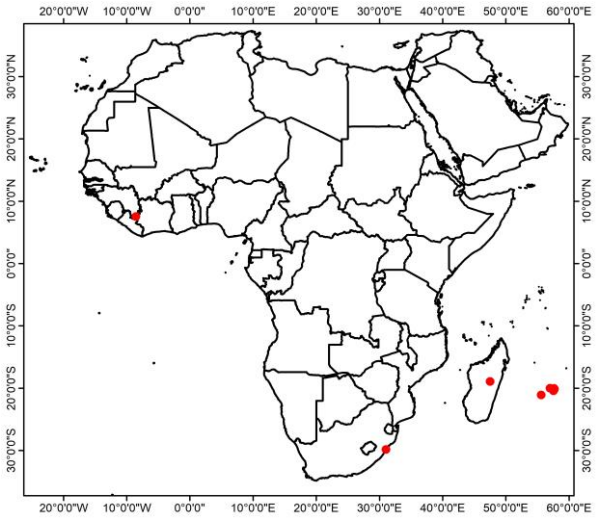

Figure 187. Distribution of *Mormopterus acetabulosus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Ethiopia, Liberia, Madagascar, Mauritius, South Africa.

Mormopterus acetabulosus acetabulosus (Hermann, 1804)

*1804. *V[espertilio] acetabulosus* Hermann, Obs. Zool. , 19. Publication date: 31 August 1804. Type locality: Mauritius: Port Louis [Goto Description]. Holotype: MNHN ZM-MO-1984-368: ad? ♀. Collected by: M. Desjardins; collection date: 1829; original number: A488. Goodman *et al.* (2008c: 1324) incidcate that the specimen is labeled as type, but was collected 25 years after Hermann (1804) described it. Neotype: FMNH 187489: Collected by: Steven M. Goodman and V. Florens; collection date: 29 October 2006. Mauritius, Black River District, Palma, Palma Cave, 20 16'40.5"S 57 27'14.7"E. Goodman *et al.* (2008c: 1327) designated this as the neotype. Cheke (2009b) rejects the assignment of the neotype by Goodman *et al.* (2008c), based on article 73.1.4 and 75.8 (rules of Nomenclature - ICZN 1999). - Comments: Cheke (2009b: 1) rejects the assignment of the neotype, based on article 73.1.4 (rules of Nomenclature - ICZN 1999), which indicates that Paul Jossigny's drawings made of the specimen that Commerson once had before him in Mauritius should be considered the holotype of Hermann's *Vespertilio acetabulosus*, and that the designation of a neotype by Goodman *et al.* (2008c: 1324) is invalidated by article 75.8. The drawings on which Commerson based himself (and which were referred to by Hermann, 1804: 19) are to be found amongst the Commerson papers, in the folder of other similar drawings at MS 282(II), labelled No. 51 (Moutou, 1982, pers. obs. 2006) in the archives of the Bibiothèque du Muséum; the folder is described in paragraph 73 of Laissus's (1974) catalogue.

1823-1824. *Nyctinomus mauritianus* Horsfield, Zoological Research in Java, Part 5, 9th page of text in account of *N. tenuis*. Publication date: 1823 - 1824. Type locality: Mauritius: Port Louis.

? *Mormopterus acetabulosus acetabulosus:* (Name Combination, Current Combination)

ROOST:
On Mauritius, these bats use caves as typical roosting sites (see Wilkinson *et al.*, 2012: 160).

VIRUSES:
Wilkinson *et al.* (2012: 160) found one specimen out of 55 examined on Mauritius, that tested positive for Respirovirus / Morbillivirus / Henipahvirus (RMH) and Paramyxovirinae (PMV)

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Mauritius, Réunion.

Mormopterus acetabulosus natalensis (A. Smith, 1847)

1833. *Nyctinomus dubius* A. Smith, S. Afr. Quart. J., ser. 2, 1 (2): 54. Publication date: November 1833. Type locality: South Africa: Cape Province and Natal, between [Goto Description].

*1847. *Dysopes natalensis* A. Smith, Illustrated Zoology of South African Mammals, pl. 49 and text. Publication date: December 1847. Type locality: South Africa: KwaZulu-Natal: Port Natal [=Durban], near [ca. 29 52 S 31 00 E]. - Comments: Dobson (1877: 734) mentions

that the original name used by Smith (1847: pl. 49) was *Nyctinomus natalensis*, but this could not be checked yet. If this isn't the case, then this combination should probably be attributed to Dobson (1877). - Etymology: The name reflects the two specimens collected in KwaZulu-Natal.

? *Mormopterus acetabulosus natalensis:* (Name Combination, Current Combination)

TAXONOMY:
Allen (1939a) tentatively treats *dubius* as a species of *Nyctinomus* (= *Tadarida*), remarking that its status is uncertain; Roberts (1951), without giving reasons, regards it as a prior name for *natalensis*. Ellerman *et al.* (1953) are doubtful whether or not the two names are synonymous, and although they list *dubius* in the synonymy of *natalensis* they suggest that it may be necessary to discard the name as not being certainly identifiable. Hayman and Hill (1971: 65) list *dubius* as *incertae sedis*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa".

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008

*2008. *Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst and Bowie, J. Mamm., 89 (5): 1318, figs. 2 - 6. Type locality: Réunion: Commune de La Possession: Pont de Balthazar [2056.732S 5519.848E, 40m] [Goto Description]. Holotype: FMNH 193986: ad ♂, skull and alcoholic. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 25 September 2006; original number: SMG 15310. Paratype: FMNH 193982: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 25 September 2006. Paratype: FMNH 193983: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 25 September 2006. Paratype: FMNH 193984: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 25 September 2006. Paratype: FMNH 193985: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 25 September 2006. Paratype: FMNH 193987: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 25 September 2006. Paratype: FMNH 193988: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 25 September 2006. Paratype: FMNH 193989: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 25 September 2006. Paratype: FMNH 193990: ♀, alcoholic (skull not removed). Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 25 September 2006. Paratype: FMNH 193991: ♀, alcoholic (skull not removed). Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 25 September 2006. Paratype: FMNH 193992: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 193993: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 193994: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 193995: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 193996: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 193997: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 193998: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 193999: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194000: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194001: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194002: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194003: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194004: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194005: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26

September 2006. Paratype: FMNH 194006: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194007: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194008: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194009: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194010: ♂, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194011: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194012: ♀, skull only. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194013: complete skeleton. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194014: complete skeleton. Collected by: Steven M. Goodman and Jean-Michel Probst; collection date: 26 September 2006. Paratype: FMNH 194015: ♂, complete skeleton. Collected by: Steven M. Goodman. Paratype: FMNH 194016: ♀, complete skeleton. Collected by: Steven M. Goodman. Paratype: FMNH 74208: ♂, alcoholic (skull not removed). Collected by: G. Morel. Paratype: FMNH 74209: ♀, alcoholic (skull not removed). Collected by: G. Morel. Paratype: MNHN ZM-MO-1862-362: Collected by: M. Millard. Paratype: MNHN ZM-MO-1865-24: Collected by: M. Lantz. Paratype: MNHN ZM-MO-1865-25: Collected by: M. Lantz. Paratype: MNHN ZM-MO-1865-26: Collected by: M. Lantz. Paratype: MNHN ZM-MO-1981-301: Collected by: Dr. Véto and F. Moutou; collection date: 23 March 1979. Paratype: MNHN ZM-MO-1981-302: Collected by: Dr. Véto and F. Moutou; collection date: 1 August 1980. Paratype: MNHN ZM-MO-1981-303: Collected by: Dr. Véto and F. Moutou; collection date: 1 August 1980. Paratype: MNHN ZM-MO-1981-304: Collected by: Dr. Véto and F. Moutou; collection date: 1 August 1980. Paratype: MNHN ZM-MO-1981-305: Collected by: Dr. Véto and F. Moutou; collection date: 1 August 1980. Paratype: MNHN ZM-MO-1981-306: Collected by: Dr. Véto and F. Moutou; collection date: 1 August 1980. Paratype: MNHN ZM-MO-1981-307: Collected by: Dr. Véto and F. Moutou; collection date: 1 August 1980. Paratype: UMMZ 115813: Collected by: Frank B. Gill; collection date: 2 June 1967. Paratype: UMMZ 115814: Collected by: Frank B. Gill; collection date: 2 June 1967. Paratype: UMMZ 115815: Collected by: Frank B. Gill; collection date: 2 June 1967. Paratype: UMMZ 115816: Collected by: Frank B. Gill; collection date: 2 June 1967. Paratype: UMMZ 115817: Collected by: Frank B. Gill; collection date: 2 June 1967. Paratype: UMMZ 115818: Collected by: Frank B. Gill; collection date: 2 June 1967. Paratype: UMMZ 115819: Collected by: Frank B. Gill; collection date: 2 June 1967. - Etymology: The name *francoismoutoui* is a patronym in honour of Dr. François Moutou of the Unité d'Epidémiologie, Agence Française de Sécurité Sanitaire des Aliments, Maison Alfort, France. Dr. Moutou has made important contributions to the vertebrate fauna of the Mascarene Islands, particularly La Réunion (Goodman *et al.*, 2008c: 1319). (Current Combination)

TAXONOMY:
Formerly identified as *M. acetabulosus* see Goodman *et al.* (2008c: 1316).

COMMON NAMES:
Czech: morous réunionský. English: Reunion Free-tailed bat. French: Petit molosse, Tadaride de La Réunion. German: Reunion Mastino-Fledermaus.

CONSERVATION STATUS:
Global - Goodman *et al.* (2008c: 1325) state it is under no serious threat of population decline in the near future. Augros *et al.* (2016: 372) refer to IUCN (2010) and mention "LC" as status.

CONSERVATION ACTIONS:
On the basis of territorial legislation, all bats on La Réunion are protected by law (Arrêté of 17 April 1981 and of 17 February 1989) (Goodman *et al.*, 2008c: 1325).

GENERAL DISTRIBUTION:
Mormopterus francoismoutoui has been recorded from a variety of localities on La Réunion from sea level to about 2,000 m (Moutou, 1982; Goodman *et al.*, 2008c).

Native: Réunion (Goodman *et al.*, 2008c: 1316).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Mormopterus francoismoutoui is a relatively large

member of the genus *Mormopterus*. Its dorsal body fur is short and dense with a rich dark brown color and its ventrum is slightly paler. Wing membrane and uropatagium are brownish black and show no noticeble change in pigmentation across their surface area. In adult males, there is a large glandular sac on the ventral portion of the lower neck; this gland is absent in females (Goodman *et al.* (2008c).

An albino specimen was reported by Ramasindrazana *et al.* (2014: 103) and Lucati and López-Baucells (2016: Suppl.).

DENTAL FORMULA:
I $^{1}/_{3}$, C $^{1}/_{1}$, P $^{1}/_{2}$, M $^{3}/_{3}$ = 30

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Goodman *et al.* (2008c): The skull of *M. francoismoutoui*, as with most other members of this genus, is not noticebly flattened and has a long rostrum and well-developed lachrymal tubercles. The postorbital processes are well developed and distinctly shaped. The palatal emargination is well developed, similar to character state 4 for variable C65 of Freeman (1981b). Basisphenoid pits are present, but are not prominent, and there is a pronounced extension of the palatal spine descending onto the palatine bone.

ECHOLOCATION:
Barataud and Giosa (2013: 150) analyzed 63 sequences from *M. francoismoutoui* specimens on Réunion and found QFC = 77 kHz and FM = 176 kHz

HABITS:
The holotype and associated specimens roosting in the expansion joint of a bridge were observed to roost in a vertical position (head down) in very narrow crevices (Goodman *et al.*, 2008c: 1319).

ROOST:
Found in a variety of different roost sites, ranging from natural caves to synanthropic situations (Goodman *et al.*, 2008c). The holotype and associated specimens were extracted by hand from the expansion fissures in the lower portion of a concrete bridge (Goodman *et al.*, 2008c). Moutou (1982) found the species to roost in the crevices found in the rock faces around the island. It is also associated with a variety of human structures, including open roofs, roof slats, and window shutters (Goodman *et al.*, 2008c).

Augros *et al.* (2016: 374) provide an overview of 112 roosts, of which 74 (66 %) were artificial.

MIGRATION:
The bats abandon Trois Bassins (with estimates of 10,000 to 25,000 individuals) during the austral winter, and it is not known where these bats spend the winter (Probst, 2003; Issartel, 2004; Devaux, 2006; Goodman *et al.*, 2008c).

POPULATION:
Structure and Density - The largest known day roost colony on La Réunion (at Trois Bassins), with estimates from 10,000 to 25,000 individuals, is abandoned in austral winter, and it is not known where these bats spend the winter (Devaux, 2006; Issartel, 2004; Probst, 2003; Goodman *et al.*, 2008c: 1325) [as *M. acetabulosus*].

Trend - 2008 - Unknown (Hutson and Bergmans, 2008; IUCN, 2009).

PARASITES:
Laudisoit *et al.* (2012: 739) indicate that *M. francoismoutoui* is actually the type host for *Araeopsylla martialis* (Rothschild, 1903) (Syphonaptera; Ischnopsyllidae) and not "*Nyctinomus acetabulosus*".

Dietrich *et al.* (2015b: 4280) found similar infection dynamics for *Leptospira* bacteria and paramyxoviruses, which showed peak infections during late pregnancy and two months after the initial birth period. Both pathogens, however, did not seem to interact with one another.

Guernier *et al.* (2016: 1) found *M. francoismoutoui* on Réunion to be infected by *Leptospira borgpetersenii* bacteria, which also infect humans. However, these bacteria had different haplotypes, indicating that the bats do not have any role in human infections. Dietrich *et al.* (2018a: 2) mention the bacterium to be closely related to *L. borgpetersenii*.

VIRUSES:
Rhabdoviridae
A large amount of bats from La Réunion were tested for lyssaviruses by Mélade *et al.* (2016a: 6), which resulted in the following numbers: *Lagos bat lyssavirus*: 3 seroreactions for 121 bats; *Duvenhage lyssavirus*: 14/117, and *European bat lyssavirus 1*: 9/82.

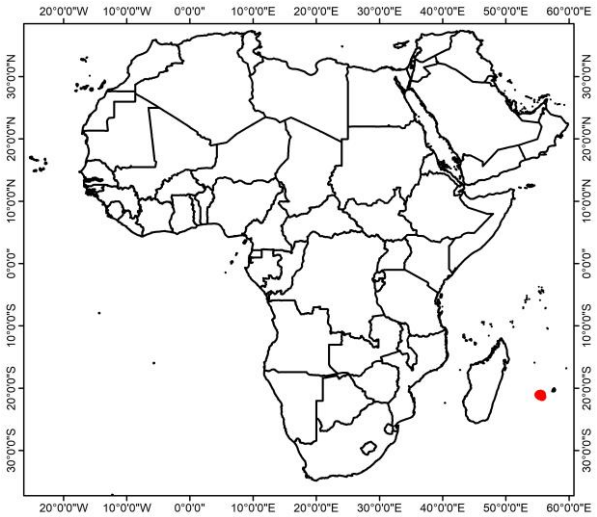

Figure 188. Distribution of *Mormopterus francoismoutoui*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Réunion.

Mormopterus jugularis (Peters, 1865)

*1865. *Nyctinomus (Mormopterus) jugularis* Peters, in: Sclater, Proc. zool. Soc. Lond., 1865, II: 468. Publication date: October 1865. Type locality: Madagascar: Antananarivo (formerly Tananarive) [18 55 S 47 31 E]. Holotype: ZMB 2977: ad ♂, skull and alcoholic. Collected by: H.R. Caldwell. Presented/Donated by: William Lutley Sclater. See Turni and Kock (2008: 70).

1877. *Nyctinomus [(Mormopterus)] albiventer* Dobson, Proc. zool. Soc. Lond., 1876, IV: 733. Publication date: April 1877. Type locality: Madagascar: "Madagascar" [Goto Description]. Holotype: BMNH 1863.12.26.1: ♀. - Comments: Type: BMNH ???, ad ♀, alcoholic, purchased.

? *Mormopterus albiventer:*

? *Mormopterus jugularis:* (Name Combination, Current Combination)

TAXONOMY:
See Simmons (2005: 445).

COMMON NAMES:
Czech: morous Petersův. English: Peters's Goblin bat, Peters's Wrinkle-lipped Bat, Peters' Wrinkle-lipped Bat. French: Sauromys à jugulaire, Sauromys de Peters, Tadaride de Madagascar. German: Madagaskar Mastino-Fledermaus. Japanese: Pita-ohiki-koumori.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Muldoon *et al.* (2009: 1114) report on subfossil remains from the Ankilitelo fauna (late Holocene, appr. 500 years ago).
Gunnell *et al.* (2014: 3) refer to fossil material from Tsimanampetsotsa (one tooth and a few pieces of a forelimb according to Sabatier and Legendre (1985: 23)), Ankilitelo, and Andrahomana on Madagascar.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its widespread distribution across Madagascar and because it is not thought to be facing any major threats across its range (Andriafidison *et al.*, 2008g; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Andriafidison *et al.*, 2008g; IUCN, 2009). 1996 - VU A2c ver 2.3 (1994) (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is not threatened by loss of native forests because it forages in open areas associated with agriculture. It is locally persecuted when roosting in buildings although this is not yet a major threat. Some colonies are subject to hunting and although this is though to have resulted in abandonment in at least two cases (Goodman *et al.*, 2008d), harvest levels do not appear a major threat (Andriafidison *et al.*, 2008g; IUCN, 2009).

Fernández-Llamazares *et al.* (2018: 273) indicate that *M. jugularis* is often hunted in sacred caves in and around the Tsimanampetsotsa National Park, although in the park, it is generally restricted to periods of famine, e.g. in 2007, when the bats fed 200 people for two months.

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008g) [in IUCN (2009)] report that as this species is more commonly found roosting in buildings than natural settings it is not found in many of the protected areas in Madagascar (Goodman *et al.*, 2005a). However, there is no need for any conservation measures at present as this species appears to be widely distributed and is locally abundant.

GENERAL DISTRIBUTION:
Mormopterus jugularis is endemic to Madagascar (Peterson *et al.*, 1995) and very widespread across the island with a known distribution extending from the coast up to the high plateau at 1,400 m in Anjozorobe (J. Ranivo *pers. comm.,* in Andriafidison *et al.*, 2008g) in IUCN, 2009).

Native: Madagascar (Peterson *et al.*, 1995; Simmons, 2005: 445)

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 62) describe the baculum of this species as proportionately broad at the proximal, rounded base and tapering to a rounded distal tip. In lateral view, the structure has a slight curve to the main shaft; length: 0.69 ± 0.015 (0.68 - 0.71) mm, width: 0.24 ± 0.016 (0.22 - 0.26) mm.

MOLECULAR BIOLOGY:
DNA - Unknown
Karyotype - Richards *et al.* (2010) reported one male with a 2*n*=48 and a Fna=54. They found one large metacentric, three medium-sized metacentric and 19 acrocentric autosomal pairs. The X chromosome is submetacentric and the Y chromosome is metacentric. FISH using *Myotis* probes was also applied.

HABITAT:
Dammhahn and Goodman (2013: 108) indicate that this species' foraging habitat consists of open areas and the area above the forest canopy.

ROOST:
Synantropic structures are the typical roosting sites for this species on Madagascar (see Wilkinson *et al.*, 2012: 160).

PREDATORS:
Goodman *et al.* (2015c: 78) found the remains of three individuals in pellets of Bat Hawk *Macheiramphus alcinus* Bonaparte, 1850 in western central Madagascar.

POPULATION:
Structure and Density - There are no quantitative data available on populations of this species; however, it is assumed to have a high population size because it is widespread and roosts in large colonies in buildings (Andriafidison *et al.*, 2008g; IUCN, 2009).
Trend - 2008 - Unknown (Andriafidison *et al.*, 2008g; IUCN, 2009).

PARASITES:
Lagadec *et al.* (2012: 1696) and Gomard *et al.* (2016: 5) report the presence of *Leptospira* sp bacteria in this species, which, according to Dietrich *et al.* (2018a: 3), were having sequences closely related to *L. borgpetersernii*

Laudisoit *et al.* (2012: 739) refer to Lumaret (1962), who reported the present of *Araeopsylla martialis* (Rothschild, 1903) (Siphonaptera; Ischnopsyllidae) on "*Tadarida albiventer*" [= *M. jugularis*]. This flea was also reported by Hastriter (2016: 15).

Durette-Desset and Chabaud (1975: 10) described the Nematode *Molinostrongylus richardae* from a "*Mormopterus albiventer*" from Anjiro, Madagascar.

VIRUSES:
Flaviviridae
Flavivirus
Reynes *et al.* (2011: 3) reported the isolation of Dakar bat virus from *M. jugularis*.

Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 13 individuals from the Mauritius using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 0 positive results for viral nucleic acids. Wilkinson *et al.* (2014) tested 19 individuals in Madagascar with an RT-PCR specific for the Respiro-, Morbilli- and Henipavirus genera, two of the 19 individuals tested positive for paramyxovirus RNA.
12 out of 152 Madagascan specimens tested by Mélade *et al.* (2016b: 4) were positive for paramyxoviruses.

Rhabdoviridae
58 specimens were tested by Mélade *et al.* (2016a: 6), which laid to three seroreactive results for *Lagos bat lyssavirus* and 17 for *Duvenhage lyssavirus*.

UTILISATION:
See Goodman *et al.* (2008d).

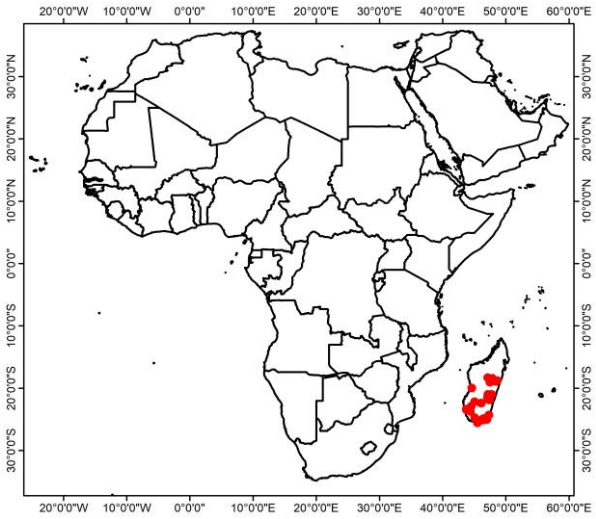

Figure 189. Distribution of *Mormopterus jugularis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: "Africa", Madagascar.

Genus ***Myopterus*** E. Geoffroy St.-Hilaire, 1818

*1818. *Myopterus* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 113. Publication date: 1818 [Goto Description]. - Comments: Type species: *Myopterus senegalensis* Oken, 1816 (not available) (=*Myopteris daubentonii* Desmarest, 1820). - Etymology: From the Greek "*μύξ*" or *έμυός*", meaning mouse and "*πτέρυξ*", meaning wing (see Palmer, 1904: 440). (Current Combination)

1820. *Myopteris* Desmarest, Encyclopédie Méthodique, (Zoologie, Mammalogie), 1: 131. Publication date: 1820. - Comments: Type: *Myopteris daubentonii* Desmarest, 1820.

1837. *Myoptera* de Blainville, C. R. séances Acad. Sci., Paris, 5: 815. Publication date: 1837.

1905. *Eomops* Thomas, Ann. Mag. nat. Hist., ser. 7, 16 (95): 572. Publication date: 1 November 1905 [Goto Description]. - Comments: Type species: *Mormopterus whitleyi* Scharff, 1900.

TAXONOMY:
Includes *Eomops*; see Hayman and Hill (1971: 56). Grubb *et al.* (1998: 97) indicate that *Myopterus* Oken, 1816, Lehrbuch Naturgesch. Pt 3, Zool. Sect. 2: 952, type species *Myopterus senegalensis* Oken (=*Myopteris daubentonii* Desmarest, 1820), is not available according to Opinion 417 of the ICZN.

Grubb *et al.* (1998: 97) indicate that Mahoney and Walton (1988a: 116) considered the date of Geoffroy's publication to be 1813. Gardner and Hayssen (2004: 12) mention that the correct date should be 1818, not 1813 as mentioned on the publication itself.

Known species within the genus *Myopterus*: ***daubentonii*** Desmarest, 1820; ***whitleyi*** (Scharff, 1900).

COMMON NAMES:
Czech: krysoví morousi, spaky. English: Winged-mouse Bats, African Free-tailed Bats, Winged-rat Free-tailed Bats. French: Myoptères. German: Pergamentflügel-Fledermäuse.

Myopterus daubentonii Desmarest, 1820

1816. *Myopterus senegalensis* Oken, Lehrbuch Naturgeschichte, Jena, 3 (2): 952. Type locality: Senegal. - Comments: Not available (Opinion 417 of the ICZN) see Grubb *et al.* (1998: 97).

*1820. *Myopterus daubentonii* Desmarest, Encyclopédie Méthodique, (Zoologie, Mammalogie), 1: 132. Publication date: 1820. Type locality: Senegal: "Senegal". Holotype: [Unknown] lost:. See Koopman (1993a: 238). - Comments: Type specimen lost (see Koopman, 1993a: 238). - Etymology: In honour of the French naturalist Louis-Jean-Marie d'Aubenton [=Daubenton] (1716 - 1799/1800) (see Bogdanowicz, 1994: 5; Kozhurina, 2002: 15). (Current Combination)

1915. *Myopterus albatus* Thomas, Ann. Mag. nat. Hist., ser. 8, 16 (96): 469. Publication date: 1 December 1915. Type locality: Congo (Democratic Republic of the): Uele River [04 09 N

22 26 E] [Goto Description]. Holotype: BMNH 1919.5.9.1: Collected by: M. Hutereau; original number: 17. Congo Museum o. 2911.

? *Myopterus daubentonii albatus:* (Name Combination)

TAXONOMY:
Koopman (1989a) and Simmons (2005) recognise *albatus* Thomas, 1915 as a subspecies. Allen (1939a: 110) used *Myopterus senegalensis* Oken, 1816 for this species.

COMMON NAMES:
Czech: morous krysový, spaka krysowá. English: Daubenton's Winged-mouse Bat, Daubenton's Free-tailed Bat, Senegal Mastiff Bat. French: Myoptère de Daubenton, Myoptère du Sénégal. German: Daubentons Pergamentflügel-Fledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) since, although it has been recorded over a very wide area, there are only very few records, and very little is known with certainty about its distribution, threats and habitat requirements (Mickleburgh *et al.*, 2008bc; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2008bc; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004ca; IUCN, 2004). 1996 - DD (Baillie and Groombridge, 1996).

MAJOR THREATS:
The species is generally threatened by habitat loss, especially the removal of potential roost trees (Mickleburgh *et al.*, 2008bc; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bc) [in IUCN (2009)] report that there appear to be no direct conservation measures in place, and it is not known if the species is present within any protected areas. Further studies are needed into the distribution, natural history and threats to this bat.

GENERAL DISTRIBUTION:
Myopterus daubentonii is patchily recorded from eight localities in West and Central Africa. It has been reported from Côte d'Ivoire, Central African Republic and northern Democratic Republic of the Congo. It is generally a lowland species, but has been found up to 1,250 m asl.

Native: Central African Republic; Congo (The Democratic Republic of the); Côte d'Ivoire; Senegal.

ROOST:
Brosset and Vuattoux (1968: 85) reported five specimens from Côte d'Ivoire (as *M. senegalensis*), that were captured in a hollow trunk of a Borassus palm (*Borassus aethiopum*). The tree was standing in a savanna area, but only a few hundred meters from a galery forest. The bats were roosting at an altitude of about 12 meters.

POPULATION:
Structure and Density - This appears to be a rare species, known from very few specimens (Mickleburgh *et al.*, 2008bc; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008bc; IUCN, 2009).

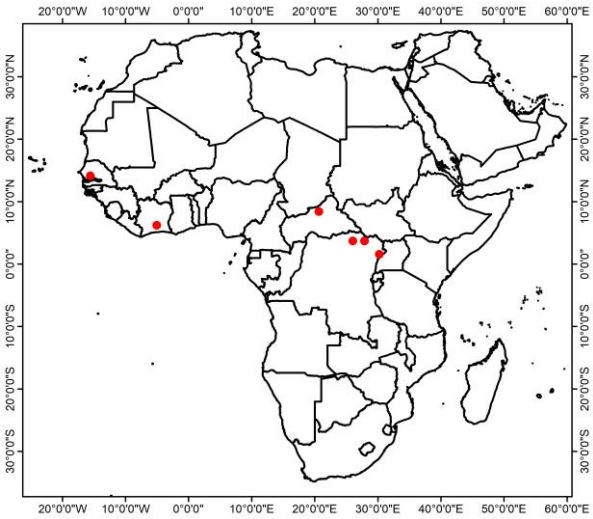

Figure 190. Distribution of *Myopterus daubentonii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Senegal.

Myopterus whitleyi (Scharff, 1900)

*1900. *Mormopterus Whitleyi* Scharff, Ann. Mag. nat. Hist., ser. 7, 6 (36): 569. Publication date: 1 December 1900. Type locality: Nigeria: Mid-Western Region, Nikrowa Forest Reserve, Sapoba: Benin City [06 19 N 05 41 E] [Goto Description]. Holotype: BMNH 1900.10.26.1: ad ♂, skull and alcoholic.

? *Myopterus whitleyi:* (Name Combination, Current Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: morous západoafrický. English: Bini Winged-mouse Bat, Whitley's Winged-mouse Bat, Bini Free-tailed Bat. French: Myoptère de Whitley, Myoptère de Bini. German: Whitleys Pergamentflügel-Fledermaus, Bini Pergament-flügel-Fledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008bd; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008bd; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004cf; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is presumably threatened by general conversion of forest to agricultural land and logging activities (Mickleburgh *et al.*, 2008bd; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008bd) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further research is needed into the species distribution, natural history, and adaptability to habitat degradation.

GENERAL DISTRIBUTION:
Myopterus whitleyi is distributed in West and Central Africa. It has been recorded from Ghana in the west, through parts of Nigeria, Cameroon, Gabon, and the Democratic Republic of the Congo to western Uganda in the east.

Native: Cameroon; Central African Republic (Barrière *et al.*, 2002: 234); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 545); Gabon; Ghana; Nigeria; Uganda.

POPULATION:
Structure and Density - It is generally considered to be a rare species. It is found roosting singly or in small numbers (Mickleburgh *et al.*, 2008bd; IUCN, 2009).
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008bd; IUCN, 2009).

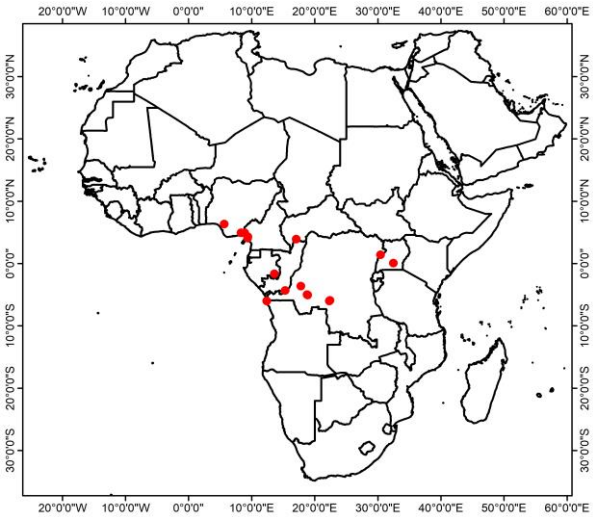

Figure 191. Distribution of *Myopterus whitleyi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Central African Republic, Congo (Democratic Republic of the), Gabon, Ghana, Nigeria, Uganda.

Genus ***Otomops*** Thomas, 1913

*1913. *Otomops* Thomas, J. Bomb. nat. Hist. Soc., 22: 91. Publication date: April 1913. - Comments: Type species: *Nyctinomus wroughtoni* Thomas, 1913. - Etymology: From the Greek substantive "*oũς*" (genitive "*ώτός*", "*ûs*", "*ōtós*"), meaning "ear" and the masculine German substantive *Mops*, as the genus has outstandingly large ears (see Lanza *et al.*, 2015: 309). (Current Combination)

TAXONOMY:
Richards *et al.* (2012: 910) suggest that three distinct taxa might be recognized in Africa: *Otomops madagascariensis* from Madagascar; *O. martiensseni* s.s. from southern, eastern, central, and western Africa; and an "undescribed taxon" (now identified as *O. harrisoni*) from north-east Africa and the Arabian Peninsula.

Known species within the genus *Otomops*: *formosus* Chasen, 1939 – Java (Simmons, 2005: 447); ***harrisoni*** Ralph et al., 2015; *johnstonei* Kitchener, How and Maryanto, 1992 – Alor Isl (Indonesia) (Simmons, 2005: 447); ***madagascariensis*** Dorst, 1953; ***martiensseni*** (Matschie, 1897); *papuensis* Lawrence, 1948 –

southeastern New Guinea (Simmons, 2005: 448); *secundus* Hayman, 1952 – northeastern New Guinea (Simmons, 2005: 448); *wroughtoni* (Thomas, 1913) – southern and northeastern India, Cambodia (Simmons, 2005: 448).

COMMON NAMES:
Czech: velkouší morousi. English: Big-eared Bulldog Bats, Big-eared Free-tailed Bats, Mastiff Bats. French: Molosses à grandes oreilles. German: Riesen-Bulldoggfledermäuse. Italian: Otocarlìno.

ETYMOLOGY OF COMMON NAME:
So named because they have outstanding large round-pointed ears that are attached along the nose and lie in the plane of the face (see Taylor, 2005).

BIOGEOGRAPHY:
Lamb *et al.* (2008) suggests that African and Oriental *Otomops* lineages diverged around 4.2 Myr, while Malagasy and African lineages split around 1.5 Mya.

MOLECULAR BIOLOGY:
Patterson *et al.* (2018: 7) found the average interspecific genetic distance (uncorrected cyt-*b* p-distance) between *O. harrisoni* and *O. martiensseni* to be 2.5 %.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya, Rwanda.

Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015

*2015. *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, Zootaxa, 4057 (1): 1, 18, figs 8 - 10. Publication date: 9 December 2015. Type locality: Ethiopia: Bale district: Sof Omar Cave [06 54 N 40 48E, 1340 m] [Goto Description]. Holotype: HZM 60.36217: ad ♂, skull and alcoholic. Collected by: Paul J.J. Bates, Malcolm J. Pearch and O. Nurhussein; collection date: 19 July 1998; original number: A51. Paratype: HZM 40.31315: ad ♂. Collection date: 19 July 1998. Paratype: HZM 41.31316: ad ♀. Collection date: 19 July 1998. Paratype: HZM 42.31317: ad ♀. Collection date: 19 July 1998. Paratype: HZM 43.31318: ad ♀. Collection date: 19 July 1998. Paratype: HZM 44.31328: ad ♂. Collection date: 19 July 1998. Paratype: HZM 56.36213: ad ♀. Collection date: 19 July 1998. Paratype: HZM 57.36214: ad ♀. Collection date: 19 july 1998. Paratype: HZM 58.36215: ad ♀. Collection date: 19 July 1998. Paratype: HZM 59.36216: ad ♀. Collection date: 19 July 1998. Paratype: HZM 61.36218: ad ♀. Collection date: 19 July 1998. Paratype: HZM 62.36219: ad ♀. Collection date: 19 July 1998. Ralph *et al.* (2015: 19) mention "(also DM 14750)". Paratype: HZM 63.36220: ad ♀. Collection date: 19 July 1998. Paratype: HZM 64.36221: ad ♂. Collection date: 19 July 1998. - Etymology: In honour of Dr. David L. Harrison (1926 - 2015), who's numerous publications on Afro-Arabian Chiroptera, in particular the Molossidae, have significantly improved our knowledge of this poorly known family (Ralph *et al.* (2015: 20).

COMMON NAMES:
English: Harrison's large-eared giant mastiff bat

SIMILAR SPECIES:
Ralph *et al.* (2015: 25) report that *O. harrisoni* is in general larger than other *Otomops* species.

CONSERVATION STATUS:
Patterson *et al.* (2018: 11) report the status of *O. harrisoni* as Vulnerable.

GENERAL DISTRIBUTION:
Native: Djibouti; Eritrea (Kock and Zinner, 2004: 3 as *O. martiensseni*); Ethiopia (in a disused railway tunnel 8 km east of Asmara) for the first time (Kock and Zinner, 2004: 3 as *O. martiensseni*); Kenya (Patterson *et al.*, 2018: 1), Rwanda (Patterson *et al.*, 2018: 1) and Yemen (Hud Sawa cave, Ar-Rayadi Al-Gharbi Mountains) on the Arabian Peninsula (Al-Jumaily, 1999; Hutson *et al.*, 2001 as *O. martiensseni*).

Ralph *et al.* (2015: 27) suggest that the range might include additional localities in Uganda, northern areas of Tanzania and southern areas of Somalia.

Patterson *et al.* (2018: 1) found both O. martiensseni and *O. harrisoni* in a cave in the Musanze district, Rwanda. As they found both species in Kenya, they also caution the identifications of *Otomops* specimens from that country, especially those from Kwale, Lake Baringo, Nairobi, Naivasha, and
Wei-Wei River (p. 11).

DENTAL FORMULA:
The dental formula of *O. harrisoni* is I 1/2, C 1/1, P 2/2, M 3/3, characteristic of molossid bats (see Ralph *et al.*, 2015: 26).

ECHOLOCATION:
Ralph *et al.* (2015: 26) indicate that Taylor *et al.* (2005) reported the following values for *O. martiensseni* specimens from Bungule, Kenya: F_{peak}: 12.00 kHz, F_{min}: 10.50 kHz, F_{max}: 50 kHz, and duration of 9.00 msec. However, since this locality is equidistant from localities were either *O. martiensseni* or *O. harrisoni* was found, the taxonomic assignment of the specimens involved remains uncertain.

Patterson *et al.* (2018: Suppl.) recorded the following parameters for 10 Kenyan specimens identified as "*O.* cf. *harrisoni*: F_{max}: 13.99 ± 2.93 (9.52 - 17.95) kHz, F_{start}: 19.35 ± 3.50 (10.72 - 21.90) kHz, F_{end}: 11.58 ± 1.17 (9.63 - 13.13) kHz, duration: 10.13 ± 2.46 (7.04 - 15.16) msec. However, they also found (p. 7) differences between *O. harrisoni* populations from two localities in Kenya: Chyulu Hills: F_{peak}: 17.18 ± 0.42 (16.40 - 17.95) kHz, F_{max}: 21.67 ± 0.10 (21.48 - 21.90) kHz, F_{min}: 12.53 ± 0.29 (11.80 - 13.13) kHz and call duration: 10.72 ± 1.10 (7.57 - 12.67) msec; and Mount Suswa: F_{peak}: 11.86 ± 0.72 (9.52 - 13.80) kHz, F_{max}: 17.81 ± 1.70 (10.72 - 21.62) kHz, F_{min}: 110.94 ± 0.47 (9.63 - 12.80) kHz and call duration: 9.74 ± 1.21 (7.04 - 15.16) msec.

MOLECULAR BIOLOGY:
Karyotype:
Warner *et al.* (1974) reported 2*n* = 48, FN = 58, BA = 12, a submetacentric X chromosome and a submetacentric Y chromosome for one male *O. martiensseni* specimen from Kenya, which differed from previously reported karyotypes. It is therefore possible that this male might have been a representative of *O. harrisoni*.

HABITAT:
Ralph *et al.* (2015: 27) mention that these bats are found at high altitudes (above 1,000 m) characterised by relatively drier climates (< 500 mm annual precipitation), including warm semi-arid, tropical savanna, warm desert and temperate oceanic climates (e.g. the Ethiopian highlands).

ROOST:
Ralph *et al.* (2015: 27) indicate that individuals roost predominantly in mountain-associated cave systems and lava caves.

DIET:
Feacal data from Ethiopia indicate that medium (size range: 1 - 5 cm) to large (wing span size range: 2.5 - 30 cm) Lepidoptera (Noctuidae, Geometridae and Saturniidae) form 97 % by volume of this bat's diet (see Ralph *et al.*, 2015: 26).

PARASITES:
At Mount Suswa (Kenya), Patterson *et al.* (2018: 10, Suppl.) found the following ectoparasites: *Brachytarsina alluaudi* (Falcoz, 1923) [Diptera, Hippoboscidae], *Hypoctenes clarus* (Jordan, 1922) [Hemiptera, Polyctenidae], *Lagaropsylla* sp. [Siphonaptera, Ischnopsyllidae], and some unidentified Argasidae and Macronyssidae.

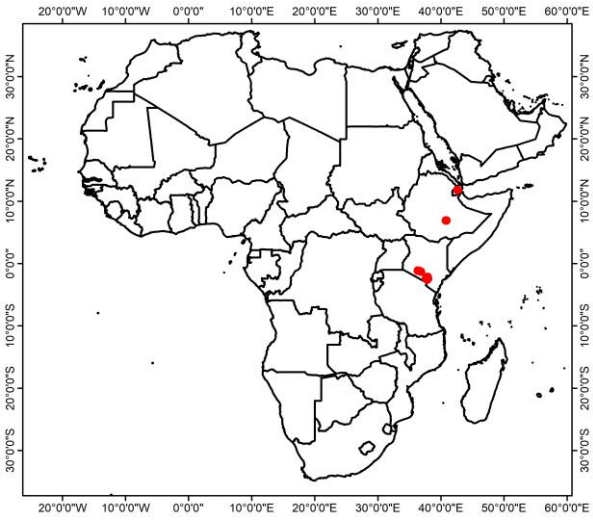

Figure 192. Distribution of *Otomops harrisoni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Djibouti, Ethiopia, Kenya.

Otomops madagascariensis Dorst, 1953

*1953. *Otomops madagascariensis* Dorst, Mém. Inst. Scient. Madagascar, (A) 8: 236. Type locality: Madagascar: S of Soalala: Namoroka, Réserve Naturelle: Cave P. Saboureau, No. 8 [16 23 S 45 28 E]. Holotype: MNHN ZM-MO-1953-1590: ad ♀, skull and alcoholic. Collected by: Renaud Paulian; collection date: September 1952. See Peterson *et al.* (1995: 181), Richards *et al.* (2012: 912). - Etymology: Referring to the island where this taxon occurs. (Current Combination)

2000. *Otomops martiensseni madagascarensis:* Horácek, Hanák and Gaisler, Bats of the Palearctic region. (Lapsus)

? *Otomops madagascariensis madagascariensis:* (Name Combination)

? *Otomops martiensseni madagascariensis:* (Name Combination)

TAXONOMY:
Previously recognised as a subspecies or synonym of *Otomops martiensseni* (Koopman, 1993a: 239). Valdivieso *et al.* (1979) listed it as a distinct species, as did Peterson *et al.* (1995: 183) and Russ *et al.* (2001). We are (yet) unable to confirm whether the original spelling is *madagascariensis* (see Koopman, 1993a: 239, Peterson *et al.*, 1995, Russ *et al.*, 2001, Simmons, 2005: 447) or *madagascarensis* (see Horácek *et al.*, 2000: 137; Fenton *et al.*, 2002: 1584).

COMMON NAMES:
Czech: morous madagaskarský. English: Madagascar Free-tailed Bat, Madagascar Mastiff Bat. French: Molosse à grandes oreilles de Madagascar. German: Madagassische Riesen-Bulldoggfledermaus.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Muldoon *et al.* (2009: 1114) report on subfossil remains from the Ankilitelo fauna (late Holocene, appr. 500 years ago).

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its widespread but patchy distribution in Madagascar. It is not well known in Madagascar, but it is likely distributed more widely than current records suggest and it is unlikely that it is declining at a rate that would warrant listing in a higher category of threat (Andriafidison *et al.*, 2008l; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Andriafidison *et al.*, 2008l; IUCN, 2009).

MAJOR THREATS:
The threats to this species are unclear, but more research is needed into possible disturbance at its roost sites (Andriafidison *et al.*, 2008l; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008l) [in IUCN (2009)] report that this species roosts in one cave that is locally protected by 'fady' or taboo (Andriafidison *et al.*, 2007). It has been recorded from five protected areas: Parc National du Tsingy de Bemaraha, Parc National de Namoroka, Parc National d'Isalo, Réserve Spéciale d'Ankarana and Réserve Spéciale d'Analamerana (Goodman *et al.*, 2005a). A total of nine roosting colonies are currently known: six in Réserve Spéciale d'Ankarana (Cardiff, 2006), two in Parc National du Tsingy de Bemaraha (Andriafidison *et al.*, 2007) and one in Sarodrano (Goodman *et al.*, 2005a; Andriafidison *et al.*, 2007), and all receive some form of protection. More research is needed on its roosting ecology and surveys are required in areas where this species is expected to occur.

GENERAL DISTRIBUTION:
Otomops madagascariensis is endemic to the island of Madagascar where it has a disjunct distribution from the north to the south-west of the island. It has an elevation range of 5 m to 800 m above sea level (Goodman *et al.*, 2005a).

O'Brien (2011: 289) reports it from the Tanzanian island of Mafia.

Native: Madagascar (Valdivieso *et al.*, 1979; Peterson *et al.*, 1995: 183; Russ *et al.*, 2001; Simmons, 2005: 447).

DETAILED MORPHOLOGY:
Baculum:
The baculum of *O. madagascariensis* is an elongated rod with a notable twist to the mid-shaft. In lateral view, its proximal portion is distinctly wider than the proximal end (Rakotondramanana and Goodman, 2017: 62); length: 0.74 ± 0.057 (0.65 - 0.80) mm, width: 0.13 ± 0.028 (0.09 - 0.18) mm.

MOLECULAR BIOLOGY:
DNA - See Lamb *et al.* (2008).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
Dammhahn and Goodman (2013: 108) report that this species' foraging habitat includes open areas and the area above the forest canopy.

ROOST:
Cave roosts in limestone or sandstone (Goodman *et al.*, 2005a; Andriafidison *et al.*, 2007).

POPULATION:
Structure and Density - The colony of *O. madagascariensis* in a cave in the south of Parc National du Tsingy de Bemaraha consisted of between 90 and 100 individuals in 2003 (Andriafidison *et al.*, 2007). The Sarodrano roost in the south of Madagascar contained at least 67 animals in November 2003 (Andriafidison *et al.*, 2007). The maximum colony size at Réserve Spéciale d'Ankarana was 97 individuals (S. G. Cardiff *pers. comm.* [in Andriafidison *et al.* (2008l) in IUCN (2009)]).
Trend - 2008 - Unknown (Andriafidison *et al.*, 2008l; IUCN, 2009).

PARASITES:
Lagadec *et al.* (2012: 1696), Lei and Olival (2014: Suppl.) and Gomard *et al.* (2016: 5) report the presence of *Leptospira* sp. bacteria in this species, which were identified as having sequences closely

related to *L. borgpetersenii* by Dietrich *et al.* (2018a: 3).

Laudisoit *et al.* (2012) describe a new species *Lagaropsylla makay* (Siphonaptera; Ischnopsyllidae), and they also mention a new parasite-host association between *Araeopsylla martialis* (Rothschild, 1903) (Siphonaptera; Ischnopsyllidae) and *O. madagascariensis*.

Ramasindrazana *et al.* (2016: 6) report the presence of an unnamed filariod in this bat species.

VIRUSES:

Paramyxoviridae

Wilkinson *et al.* (2012: 160) tested 8 individuals from the Madagascar using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 0 positive results for viral nucleic acids. Wilkinson *et al.* (2014) tested 18 individuals from Anjohikinakina in Madagascar with an RT-PCR specific for the *Respiro-*, *Morbilli-* and *Henipavirus* genera, five of the 18 individuals tested positive for paramyxovirus RNA.

Seven out of 39 Madagascan specimens tested by Mélade *et al.* (2016b: 4) were positive for paramyxoviruses.

Rhabdoviridae

Mélade *et al.* (2016a: 6) examined 20 specimens for *Lagos bat lyssavirus* and got three positive results. Four out of 18 animals had a positive outcome for *Duvenhage lyssavirus*.

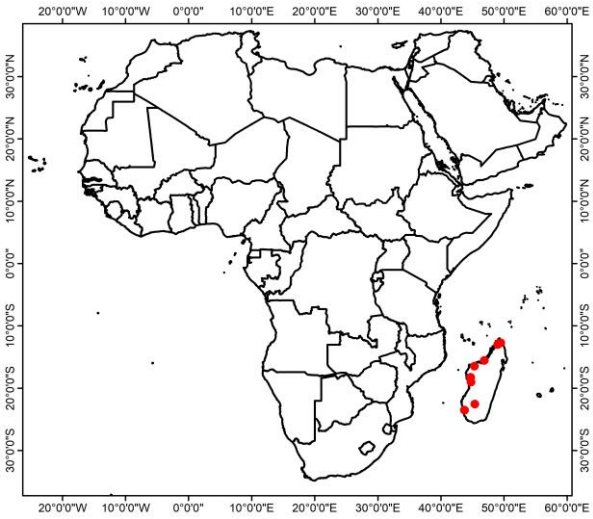

Figure 193. Distribution of *Otomops madagascariensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Otomops martiensseni (Matschie, 1897)

*1897. *Nyctinomus martiensseni* Matschie, Arch. Naturgesch. Berlin, 63 (1): 84. Publication date: October 1897. Type locality: Tanzania: 25 mi W of Tanga, SE portion of W Usambara Mts: Magrotto Plantation [05 07 S 38 45 E] [Goto Description]. Holotype: ZMB 97523: ♂, skin and skeleton and skull. Collected by: Martienssen; collection date: August 1897. See Turni and Kock (2008: 71). - Comments: Horácek *et al.* (2000: 137) mention the type locality as "Usanbara Mts., W of Tanga, NE Tanzania". Grubb *et al.* (1998: 98) indicate that the locality has been defined by Swynnerton, 1945, Proc. Zool. Soc. Lond., 115: 63). - Etymology: In honour of "Herr Martienssen of the Königlich Museum für Naturkunde" who found the type specimen (see Long, 1995: 4).

1966. *Otomops maertiensseni:* Hayman, Misonne and Verheyen, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., (8) 154: pl. XX. Publication date: December 1966. (Lapsus)

2017. *O[tomops] martiensenni:* Waruhiu, Ommeh, Obanda, Agwanda, Gakuya, Ge, Yang, Wu, Zohaib, Hu and Shi, Virol. Sin., 32 (2): 10. Publication date: 6 April 2017. (Lapsus)

2017. *Otomops martiensenii:* Waruhiu, Ommeh, Obanda, Agwanda, Gakuya, Ge, Yang, Wu, Zohaib, Hu and Shi, Virol. Sin., 32 (2): 7. Publication date: 6 April 2017. (Lapsus)

2017. *Otomops martienssi:* Tao, Shi, Chommanard, Queen, Zhang, Markotter, Kuzmin, Holmes and Tong, J. Virol., 91 (5) e01953-16: Suppl. Publication date: 11 January 2017. (Lapsus)

? *Otomops martiensseni:* (Name Combination, Current Combination)

TAXONOMY:

Koopman (1993a: 239) included *madagascariensis*, but see Peterson *et al.* (1995: 183), Long (1995) and Simmons (2005: 447). Lamb *et al.* (2008: 30) indicate that there are two clades in *martiensseni*, of which "clade 1" (north-east Africa + Yemen) would constitute an undescribed taxon. Additionally, Lamb *et al.* (2008: 31) indicate that the population from Côte d'Ivoire may represent a distinct lineage.

Ralph *et al.* (2015) proved that the specimens from Ethiopia, Eritrea, Somalia, Djibouti and Yemen represent a different species: *O. harrisoni*, which is larger and more robust than any other *Otomops*.

Ammerman *et al.* (2012: 23) indicate that the separation between *martiensseni* and *madagascariensis* took place less than 2 million years ago.

Simmons (2005: 447) recognises one subspecies *icarus* Chubb, 1917.

COMMON NAMES:
Afrikaans: Bakoor-losstertvlermuis. Czech: morous Martienssenův. English: Martienssen's Big-eared Bulldog Bat, Large-eared Free-tailed Bat, Giant Mastiff Bat, Martiensen's Free-tailed Bat, Martienssen bat, Large-eared Giant Mastiff Bat. French: Grand molosse à grandes oreilles, Chauve-souris bouledogue géante. German: Großohrige Riesen-Bulldoggfledermaus. Italian: Otocarlìno di Martienssèn. Kinande (DRC): Mulima.

CONSERVATION STATUS:
Global - Listed as Near Threatened (NT ver 3.1 (2001)) because this species is probably still in significant decline globally (but probably at a rate of less than 30 % over ten years), owing to the probable continued loss of the known major East African populations. Smaller populations from southern Africa may be increasing. The status of populations in Central and West Africa, where the species is still known from very few specimens, remains unclear. Almost qualifies as threatened under criterion A2c (Mickleburgh *et al.*, 2008dd; IUCN, 2009).
Ralph *et al.* (2015: 27) indicate that the assignment of this species must be re-evaluated due to the split off of *O. harrisoni* in the northern part of the original distribution area.

Assessment History -
2008 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2008dd; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004cq; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Richards *et al.*, 2016e). 2004- VU D2 ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
The leading threat to this species appears to be roost disturbance. Major colonies in East Africa, such as the population at Mount Suswa (Kenya), seem to have disappeared through disturbance of their cave habitats (Hutson *et al.*, 2001) [see Kock *et al.*, 2005: 3, who refutes this]. Threats to these caves include guano mining (with associated changes to the cave microclimate), blocking of entrances, recreational caving and general tourism activities (Anonymus, 2004f: 57). It is possible that the collection of 4,954 bats by Mutere (1973a) as part of a reproductive study may have contributed to a decline of the Kenyan populations [see Kock *et al.*, 2005 who refute this too]. Populations in Durban (South Africa) have been found to use old buildings with attics as roosts, and it appears that the main threat to these populations is indirect poisoning through the application of toxic timber treatments (Fenton *et al.*, 2002).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dd) [in IUCN (2009)] report that there is a need to reassess the status of all known roosts (and to locate additional localities) to ascertain numbers and status of colonies, so that key sites can be identified. There is a need to collect better information on the current status of populations in both Central and West Africa. Disturbance of key localities should be restricted or managed to reduce the impact on colonies. The species has been recorded from Comoe National Park, Côte d'Ivoire, it has been recorded from within a national park in Rwanda, and the former large colony at Mount Suswa, Kenya, is believed to be protected (Hutson *et al.*, 2001). *O. martiensseni* is protected by provincial ordinance in KwaZulu Natal, South Africa. An IUCN Species Action Plan has been developed for this species (Hutson *et al.*, 2001).

GENERAL DISTRIBUTION:
Otomops martiensseni has been widely, but patchily, recorded from much of sub-Saharan Africa. In Africa, it has been reported from Côte d'Ivoire and Ghana in West Africa, through Central Africa (recorded from Central African Republic, the Democratic Republic of the Congo, Rwanda and western Uganda) to East Africa (Kenya and Tanzania) to southern Africa (Malawi, central Angola [Chitau], Zimbabwe, Zambia and eastern South Africa). It is found at elevations from sea level to 2,900 m asl, although the highest elevations might need to be referred to *O. harrisoni*.

Records from Madagascar are now refered to *O. madagascariensis* (see Taxonomy section above). Lamb *et al.* (2008: 30, 39) mention it from Côte d'Ivoire, Ghana, and Burundi, but also see Taxonomy paragraph. Records from Djobuti, Eritrea, Ethiopia, Somalia, Yemen are now referred to *O. harrisoni*, as might be the case for some of the records from Kenya, Tanzania and Uganda (see Taxonomy section above).

Patterson *et al.* (2018: 1) found both *O. martiensseni* and *O. harrisoni* in a cave in the Musanze district of Rwanda.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 545); Botswana (Adams *et al.*, 2015: 711); Central African Republic; Congo (The Democratic Republic of the) (Ansell, 1974; Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 545); Côte d'Ivoire; Ghana; Kenya (Patterson *et al.*, 2018: 5); Malawi (Monadjem *et al.*, 2010d:454); Rwanda (Patterson *et al.*, 2018: 1); South Africa (Monadjem *et al.*, 2010d:545;Adams *et al.*, 2015: 710-711); Tanzania; Uganda; Zambia Monadjem *et al.*, 2010d: 545); Zimbabwe (Lamb *et al.*, 2008; Monadjem *et al.*, 2010d: 545).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Large species, with narrowest wings of any bat for fast flying in open areas (Anonymus, 2004f: 57).

FUNCTIONAL MORPHOLOGY:
Based on the analysis of wing dimensions, Thollesson and Norberg (1991: 34) suggest that the longer hand wings and more pointed wing tips of *O. martiensseni* indicate that this is a species primarily flying in open areas at a high altitude.

ECHOLOCATION:
From Bungule in Kenya Taylor *et al.* (2005) reported a maximum frequency of 16.5 kHz. However, due to the split off of *O. harrisoni*, the taxonomic status of the specimens involved is uncertain (see Ralph *et al.*, 2015: 26).

At Sengwa in Zimbabwe, Jacobs (1996) and Fenton and Bell (1981) recorded a highest frequency of 17 kHz. Taylor (1999b) recorded maximum frequencies of 29.5 (2.4) kHz (open flight) and 14.7 (1.5) (emergence) from two localities in the Durban area in South Africa. Whereas, Fenton *et al.* (2004) reported a highest frequency of 14.7 (1.68) kHz from the Durban area in South Africa. From the same area, Schoeman and Waddington (2011: 291) mention a peak frequency of 10.7 ± 0.4 kHz and a duration of 27 ± 1.5 msec.
Fenton (2004b: 4) states that there is evidence that, in this species, calls originally associated with echolocation may actually serve more for communication.
Adams *et al.* (2015: 709) report the following values from South Africa: F_{char}: 11.70 ± 3.61 (10.51 - 13.54) kHz; F_{high}: 13.19 ± 1.08 (11.01 - 15.67) kHz; F_{low}: 10.82 ± 0.65 (9.11 - 12.23) kHz; Band width: 2.40 ± 0.90 (0.65 - 5.64) kHz; F_{max}: 12.41 ± 0.90 (10.76 - 14.55) kHz; Duration: 21.18 ± 3.61 (11.79 - 27.81) msec.

For seven calls from the Aberdares Range in Kenya, Eisenring *et al.* (2016: SI 2) reported: PF: 14.8 ± 2.8 (9.9 - 17.4), HF: 22.0 ± 4.2 (14.5 - 26.4), LF: 9.9 ± 2.5 (5.2 - 13.2), DT: 0.1 ± 0.0 (0.1 - 0.2), DF: 12.1 ± 2.4 (9.3 - 16.0), IPI: 3.3 ± 2.0 (1.5 - 5.5).

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003), Lamb *et al.* (2006) and Lamb *et al.* (2008).
Karyotype - Đulic and Mutere (1973a) reported 2*n* = 48, FN = 56, BA = 10, a submetacentric X chromosome, and an acrocentric Y chromosome. However, Warner *et al.* (1974) reported 2*n* = 48, FN = 58, BA = 12, a submetacentric X chromosome and a submetacentric Y chromosome for one male specimen from Kenya. In view of the split off of *O. harrisoni* the Kenyan karyotype might represent the latter species rather than *O. martiensseni*.

Protein / allozyme - Unknown.

HABITS:
O. martiensseni is probably a long-range forager, which hunts over a wide diversity of habitats, e.g. semi-arid areas and montane forests up to 2,000 m (Anonymus, 2004f: 57). Adams *et al.* (2015), referring to Fenton and Griffin (1997), indicate that foraging occurs at altitudes exceeding 600 m above ground. Actually, Fenton and Griffin (1997: 248) reported one call in the 10 - 13 kHz range (used by *O. martiensseni*) at an altitude between 500 and 550 m.

Foord *et al.* (2018: 5) indicate that open-air feeders (e.g. *O. martiensseni*) may commute over 10 km between roosts and feeding areas, but do prefer smaller feeding areas.

ROOST:
In the Durban area, Taylor *et al.* (1999: 67) found roosts on the brick surface of the inner gable apex wall within the roof space, with entrances height between 3 and 12 m. The colony size varied between one and 30.

Anonymus (2004f: 57) indicates that *O. martiensseni* is generally colonial with larger colonies in underground sites (e.g. caves and lava tubes), whereas in South Africa small colonies occur in houses.

POPULATION:
Structure and Density - Although *O. martiensseni* was once considered to be rare, with gaps in distribution, additional collecting has demonstrated local abundance in several areas (Long, 1995; Taylor, 1998; Fenton *et al.*, 2002; Skinner and Chimimba, 2005). For example, it is common around Durban in KwaZulu Natal Province of South Africa (Fenton *et al.*, 2002), and is fairly common in Comoe National Park, Côte d'Ivoire. Hutson *et al.* (2001) reported that major colonies of this species (consisting of hundreds of bats) from caves in East Africa have declined

severely and now have few or no bats (no date of observation given). However, Kock *et al.* (2005: 3) refute this as a visit to Mt. Suswa 15 February 2004 where they reported a collony of 10-15 thousand individuals to be present.
Trend - 2008 - Decreasing (Mickleburgh *et al.*, 2008dd; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Martin and Bernard (2000: 32) indicate that the corpus luteum undergoes luteolysis in late pregnancy. Krutzsch (2000: 126) further mentions that the species exhibits classical mammalian male-female synchrony of reproductive cycles.

PARASITES:
SIPHONAPTERA
Ischnopsyllidae: Beaucournu and Kock (1996) reported *Araeopsylla scitula* Rothschild, 1909 from a bat from Kenya. However, in view of the split off of *O. harrisoni*, this latter species might have been the host for this ectoparasite.

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Otomops martiensseni*: Adenoviruses and Polyomaviruses.

Adenoviridae:
Adenovirus - Two of the 19 specimens from the Suswa Cave (Kenya) by Conrardy *et al.* (2014: 259) tested positive for this virus.

Coronaviridae - Coronaviruses
SARS-CoV - Tong *et al.* (2009) tested two bats collected in Kenya during 2006 positive for the presence of coronavirus RNA in fecal samples.
28.6 % (10 out of 35) of the Kenyan *O. martiensseni* specimens were positive for CoV (Tao *et al.*, 2017: 3).

Flaviviridae
Hepacivirus (BHV) - Quan *et al.* (2013: Table S5) report that 3 of 15 Kenyan specimens were infected with clade C *Hepacivirus* (20.0 %).
Pegivirus (BPgV) - 2 of the 15 specimens examined by Quan *et al.* (2013: Table S5) were also infected with clade K *Pegivirus* (13.3 %).

Paramyxoviridae:
Paramyxovirus - Five of the 19 specimens from the Suswa Cave by Conrardy *et al.* (2014: 259) tested positive for this virus, and this was also the case for nine out of 40 specimens from Kenya, which were tested by Mortlock *et al.* (2015: 1481).

Polyomaviridae:
Orthopolyomavirus - Initially, three novel orthopolyomaviruses were detected in 2006 from Kenya by Tao *et al.* (2012). Additional surveillance detected 6 of the 19 specimens from the Suswa Cave to be positive tested by Conrardy *et al.* (2014: 259).

Rhabdoviridae
Lyssavirus - Rabies related viruses
Horton *et al.* (2014: Table S1) tested 16 Kenyan *O. martiensseni* specimens but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus).

Remark: as most of these viruses were found on "*O. martiensseni*" specimens from Kenya, the actual host species might be *O. harrisoni*.

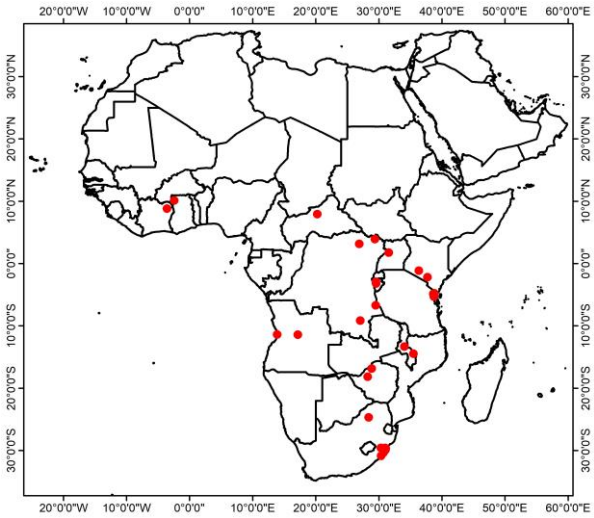

Figure 194. Distribution of *Otomops martiensseni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Burundi, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Ghana, Kenya, Malawi, Rwanda, South Africa, Tanzania, Zimbabwe.

Otomops martiensseni icarus Chubb, 1917

*1917. *Otomops icarus* Chubb, Ann. Durban Mus., 1: 433, pl. 21. Publication date: 21 May 1917. Type locality: South Africa: KwaZulu-Natal: Durban [29 52 S 31 00 E] [Goto Description]. Holotype: BMNH 1916.10.9.1: ♂. - Etymology: Named after Icarus, son of Daidalos, who fled from their prison with wings made of wax and feathers.
? *Otomops martiensseni icarus:* (Name Combination, Current Combination)

GENERAL DISTRIBUTION:
From Angola to KwaZulu-Natal, Malawi (Horácek *et al.*, 2000: 137).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, South Africa, Uganda.

Otomops martiensseni martiensseni (Matschie, 1897)

*1897. *Nyctinomus martiensseni* Matschie, Arch. Naturgesch. Berlin, 63 (1): 84. Publication date: October 1897. Type locality: Tanzania: 25 mi W of Tanga, SE portion of W Usambara Mts: Magrotto Plantation [05 07 S 38 45 E] [Goto Description]. Holotype: ZMB 97523: ♂, skin and skeleton and skull. Collected by: Martienssen; collection date: August 1897. See Turni and Kock (2008: 71). - Comments: Horácek *et al.* (2000: 137) mention the type locality as "Usanbara Mts., W of Tanga, NE Tanzania". Grubb *et al.* (1998: 98) indicate that the locality has been defined by Swynnerton, 1945, Proc. Zool. Soc. Lond., 115: 63). - Etymology: In honour of "Herr Martienssen of the Königlich Museum für Naturkunde" who found the type specimen (see Long, 1995: 4).

.
? *Otomops martiensseni martiensseni:* (Name Combination, Current Combination)

GENERAL DISTRIBUTION:
Central African Republic to Yemen and south to Zimbabwe (Horácek *et al.*, 2000: 137).

Genus ***Platymops*** Thomas, 1906

*1906. *Platymops* Thomas, Ann. Mag. nat. Hist., ser. 7, 17 (101): 499. Publication date: 1 May 1906 [Goto Description]. - Comments: Type species: *Platymops Macmillani* Thomas, 1906 (=*Mormopterus setiger* Peters, 1878). - Etymology: From the Greek adjective "*πλατύς*" (platýs), meaning "flat" and the masculine German substantive *Mops*, referring to the extremely flattened skull of the genus (see Lanza *et al.*, 2015: 315). (Current Combination)
? *Mormopterus (Platymops):* (Name Combination)

TAXONOMY:
Considered a subgenus of *Mormopterus* by Koopman (1993a: 238), Czaplewski *et al.* (2003: 68), but a valid genus by Kock (1969a: 155), Simmons (2005).
Included in *Mormopterus* by Jacobs and Fenton (2002: 1).

Known species within the genus *Platymops*:

Platymops setiger (Peters, 1878).

COMMON NAMES:
Czech: ploší morousi. English: East African Flat-headed Bats, Peters's flat-headed Bats. French: Tadarides à tête plate. German: Flachkopf-Bulldoggfledermäuse. Italian: Platicarlìni.

Platymops setiger (Peters, 1878)

*1878. *Mormopterus setiger* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 196, pl. 1, fig. 2. Type locality: Kenya: Taita district: Ndi [03 14 S 38 30 E, 2 000 m] [Goto Description]. Syntype: ZMB 5265a: ♀, skull and alcoholic. Collected by: Dr. Johann Maria Hildebrandt; collection date: July 1877. See Turni and Kock (2008). Syntype: ZMB 5265b: ♀, skull and alcoholic. Collected by: Dr. Johann Maria Hildebrandt; collection date: July 1877. See Turni and Kock (2008). - Comments: Allen (1939a: 109) mentioned 1881; Monatsb. K. Preuss. Akad. Wiss., Berlin, p. 483, pl., fig. 3. - Etymology: From the masculine Latin adjective *sètiger*, meaning "covered with coarse hair, bristly", referring to the coarse fur of the species Lanza *et al.*, 2015: 316).
1960. *Platymops setiger:* Harrison and Fleetwood, Durban Mus. Novit., 5 (20): 269. (Name Combination, Current Combination)

TAXONOMY:
See Freeman (1981b: 133, 161). Included in *Platymops* by Harrison and Fleetwood (1960: 277 - 278).

COMMON NAMES:
Czech: morous plochý. English: East African Flat-headed Bat, Peters's Flat-headed Bat, Flat-headed free-tailed bat. French: Sauromys à tête plate, Tadaride à tête plate de Peters. German: Peters' Flachkopf-Bulldoggfledermaus. Italian: Carlìno setolóso.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008al; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008al; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2004ay; IUCN, 2004). 1996 - LR/lc [assessed as *Mormopterus setiger*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
There are presumably no major threats to this species (Mickleburgh *et al.*, 2008al; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008al) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. In view of the species' East African range, it seems likely that it is present within some protected areas, although this needs to be confirmed. Further studies are needed into the distribution, natural history and potential threats to this species.

GENERAL DISTRIBUTION:
Platymops setiger is an East African species present in Kenya, southwestern Ethiopia (Glass, 1965: 179), southeastern Sudan and is possibly present in adjacent Uganda, although this needs to be confirmed. It has been recorded at elevations of up to 2,000 m asl.

Native: Ethiopia; Kenya; Sudan.
Presence uncertain: Uganda.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Warner *et al.*, 1974) reported 2*n* = 48, FN = 54, BA = 8 and submetacentric X and acrocentric Y chromosomes.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Mickleburgh *et al.*, 2008al; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008al; IUCN, 2009).

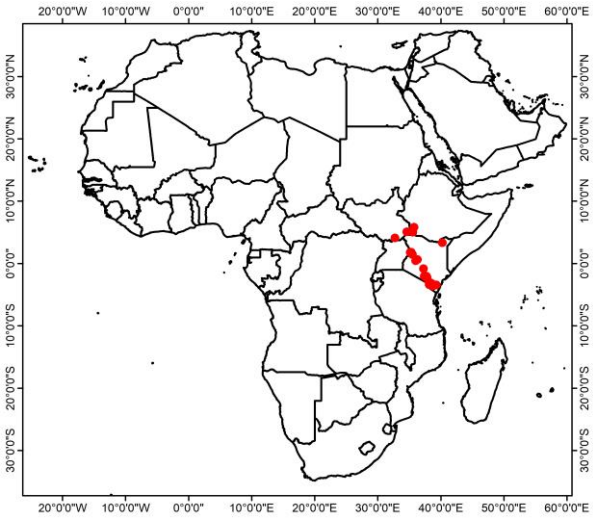

Figure 195. Distribution of *Platymops setiger*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya.

Platymops setiger macmillani Thomas, 1906

*1906. *Platymops Macmillani* Thomas, Ann. Mag. nat. Hist., ser. 7, 17 (101): 500. Publication date: 1 May 1906. Type locality: Ethiopia: Between Addis Ababa and Lake Rudolf [Goto Description]. Holotype: BMNH 1906.11.1.10: ad ♂, skull and alcoholic. Collected by: Ph.C. Zaphiro. Presented/Donated by: W.N. McMillan Esq. 7 specimens. - Etymology: In honour of Mr. W.N. McMillan, to whose liberality science is indebted for the exploration of which it is part of the outcome (see Thomas, 1906b: 501).

1956. *Platymops barbatogularis* Harrison, Ann. Mag. nat. Hist., ser. 12, 9 (104): 549. Publication date: 18 December 1956. Type locality: Sudan: SE Sudan, Ilemi triangle: Lokomarinyang Marsh [05 02 N 35 33 E] [Goto Description]. Holotype: BMNH 1967.1232: ad ♂, skin and skull. Collected by: John George Williams; collection date: 10 June 1953. Formerly HZM 2.1897 (see Harrison (1956e: 549). Paratype: BMNH 1957.258:. - Comments: Evenhuis (2003: 54) indicates that ser. 12, 9 (104) is the "August 1956" issue which was published on "18 December 1956".

1960. *Platymops barbatogularis parkeri* Harrison and Fleetwood, Durban Mus. Novit., 5 (20): 270, figs 1 - 6. Publication date: 30 April 1960. Type locality: Kenya: Lualeni borehole: Maktau [03 24 S 38 08 E] [Goto Description]. Holotype: BMNH 1959.524: ad ♀, skin and skull. Collected by: Ian Parker; collection date: 12 February 1958; original number: 2.
? *Mormopterus setiger macmillani:* (Name Combination)
? *Platymops setiger macmillani:* (Name Combination, Current Combination)

TAXONOMY:
Kock (1969a: 155) considers *barbatogularis* to be a synonym of *macmillani*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia, Kenya, South Sudan.

Platymops setiger setiger (Peters, 1878)

*1878. *Mormopterus setiger* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 196, pl. 1, fig. 2. Type locality: Kenya: Taita district: Ndi [03 14 S 38 30 E, 2 000 m] [Goto Description]. Syntype: ZMB 5265a: ♀, skull and alcoholic. Collected by: Dr. Johann Maria Hildebrandt; collection date: July 1877. See Turni and Kock (2008). Syntype: ZMB 5265b: ♀, skull and alcoholic. Collected by: Dr. Johann Maria Hildebrandt; collection date: July 1877. See Turni and Kock (2008). - Comments: Allen (1939a: 109) mentioned 1881; Monatsb. K. Preuss. Akad. Wiss., Berlin, p. 483, pl., fig. 3. - Etymology: From the masculine Latin adjective *sètiger*, meaning "covered with coarse hair, bristly", referring to the coarse fur of the species Lanza *et al.*, 2015: 316).
? *Mormopterus setiger setiger:* (Name Combination)
? *Platymops setiger setiger:* (Name Combination, Current Combination)

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya, South Sudan.

Genus ***Sauromys*** Roberts, 1917

1917. *Platymops* Roberts, Ann. Transv. Mus., 6(1): 5. Publication date: 28 June 1917. - Comments: Type species: *Platymops (Sauromys) petrophylus* Roberts, 1917. Not of Thomas, 1906.
*1917. *Platymops (Sauromys)* Roberts, Ann. Transv. Mus., 6(1): 5. Publication date: 28 June 1917. - Comments: Type species: *Platymops (Sauromys) haagneri* Roberts, 1917 (=*Platymops petrophilus* Roberts, 1917). As a subgenus of *Platymops* Thomas, 1906. - Etymology: From Greek "*sauros*" meaning lizard and "mys" meaning mouse (see Jacobs and Fenton, 2002: 1).
? *Mormopterus (Sauromys):* (Name Combination)
? *Sauromys:* (Current Combination)
? *Tadarida (Sauromys):* (Name Combination)

TAXONOMY:
Bronner *et al.* (2003) state that the status of *Sauromys*, described as a monotypic subgenus of the extralimital *Platymops* for the South African flat-headed free-tailed bat, remains unclear. Peterson (1965) raised it to generic rank, a treatment endorsed by many subsequent authors, and corroborated by a limited multivariate analysis of wing bone and cranial characteristics (Peterson, 1985). However, morphometric studies by Freeman (1981b) and Legendre (1984) concluded that it is a subgenus of *Mormopterus*, a position followed by Koopman (1993a, 1994), and Jacobs and Fenton (2002: 1). Simmons (2005) retains *Sauromys* as a valid genus in the 3rd Edition of Mammal Species of the World, a treatment we favour because of the unique ecology and morphology of *S. petrophilus*. Analysis of the Rag2 data confirmed the split between *Mormopterus* and *Sauromys* (see Ammerman *et al.*, 2013: 309).

Meester *et al.* (1986) also state that originally described as a subgenus, this genus was regarded as a synonym of *Platymops* by Shortridge (1942), Roberts (1951) and Ellerman *et al.* (1953). Harrison (1962) retains it as a subgenus, while Peterson (1965) raises it to generic rank, in which

he is followed by Hayman and Hill (1971), Smithers (1971), Corbet and Hill (1980) and Rautenbach (1982). However, Freeman (1981b), followed by Koopman (1982) and Legendre (1984), conclude that both *Sauromys* and *Platymops* are subgenera of *Mormopterus*. We take the view that both *Platymops* and *Sauromys* are valid genera.

Generic and species classification of African flat-headed molossids is unclear. Roberts (1917c) originally described *Sauromys* as a subgenus of *Platymops*. Later Roberts (1951, 1954) dropped *Sauromys* as a subgenus, as Shortridge (1942) reported that a minute upper premolar was found on the type *Platymops macmillani* Thomas, 1906. Peterson (1965) indicates that the minute premolar on the type *P. macmillani* is probably a milk premolar and that normal adult dental formula should be considered as having only one upper premolar. For this reason and others (e.g. glands not on wings) Peterson (1965) raises *Sauromys* to generic status. Koopman (1975) indicates that *Sauromys* is a subgenus within *Tadarida*, however Freeman (1981b) found that all the so-called flat-headed bats; *Sauromys*, *Platymops*, and *Neoplatymops*, are phenotypically related to *Mormopterus*. While the phenogram in Freeman (1981b) also indicates that *Tadarida aegyptiaca* (E. Geoffroy 1818) and *T. brasiliensis* (I. Geoffroy St.-Hilaire 1824) are phenetically similar to *Mormopterus*, this grouping is explained due to convergence of shape due to similar life styles (Freeman, 1981b). Meester *et al.* (1986) did not follow Freeman (1981b) and rather followed Peterson (1965) recognizing *Sauromys*, *Mormopterus* and *Platymops* as valid genera. While Koopman (1993a) followed Freeman (1981b) in classifying *Sauromys* and *Platymops* as subgenera in the genus *Mormopterus*, Simmons (2005) recognizes *Sauromys* as a distinct genus.

Peterson (1965) suggests that a detailed comparison between *Sauromys* and *Tadarida* needs to be performed, including an investigation into the specific status and geographic variation. Ammerman *et al.* (2012: 21) suggest that *Sauromys* is more appropriately recognized as a member of the genus *Tadarida*, which split off from *T. aegyptiaca* some 6.5 million years ago. However, based on their morphological data, Gregorin and Cirranello (2015: 10) still find it premature to transfer *Sauromys* into *Tadarida*.

Known species within the genus *Sauromys*: ***petrophilus*** (Roberts, 1917).

COMMON NAMES:
Czech: ještěří morousi. French: Sauromys. German: Flachkopf-Bulldoggfledermäuse.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Avery (2007: 619) reported on the presence of *Sauromys* sp. in Pleistocene deposits at Wonderwerk Cave, South Africa.

Sauromys petrophilus (Roberts, 1917)

*1917. *Platymops (Sauromys) petrophilus:* Roberts, Ann. Transv. Mus., 6(1): 5. Publication date: 28 June 1917.

1917. *Platymops petrophilus* Roberts, Ann. Transv. Mus., 6(1): 5. Publication date: 28 June 1917. Type locality: South Africa: Western Transvaal: near Rustenburg: Bleskop [Goto Description]. Holotype: TM X835: ♂. Collected by: G.P. Van Dam; collection date: 2 February 1917; original number: 16. - Etymology: From the Greek "*petros*" meaning rock and "*philos*" meaning loving. (Name Combination)

? *Mormopterus petrophilus petrophilus:* (Name Combination)

? *Mormopterus petrophilus:* (Name Combination)

? *Platymops haagneri haagneri:*

? *Sauromys petrophilus:* (Name Combination, Current Combination)

TAXONOMY:

Figure 196. *Sauromys petrophilus umbratus* from Kliphuis, Cederberg, Western Cape South Africa.

Roberts (1951, 1954) recognised two species and five subspecies of flat-headed bats in southern Africa: *Platymops haagneri* Roberts, 1917 (*haagneri*, *umbratus* Shortridge and Carter, 1938) and *Platymops petrophilus* Roberts, 1917 (*petrophilus*, *erongensis* Roberts, 1946, *fitsimonsi* Roberts, 1946). Ellerman *et al.* (1953) suggested that the two species are conspecific, and rather recognized five subspecies of *Platymops petrophilus* (*petrophilus*, *haagneri*, *umbratus*, *erongensis* and *fitzsimonsi*). Meester *et al.* (1986) also recognized the five subspecies suggested by Ellerman *et al.* (1953) for *petrophilus* but within the genus *Sauromys*, following Peterson (1965: 12). Freeman (1981b) indicates that *erongensis* (Roberts, 1946) may be a synonmy of *haagneri* (Roberts, 1917) and *fitzsimonsi* (Roberts, 1946) is possibly a synonym of *umbratus* (Shortridge and Carter, 1938). Included in *Mormopterus* by Jacobs and Fenton (2002: 1). Jacobs and Fenton (2002: 1) considered *M. petrophilus* to be monotypic.

COMMON NAMES:
Afrikaans: Platkop-losstertvlermuis. Czech: morous ještěří. English: Rock-loving Flat-headed Bat, Rock-dwelling Flat-headed Bat, Roberts' Flat-headed Bat, Roberts's Flat-headed Bat, Flat-headed Free-tailed Bat. French: Sauromys de Roberts. German: Roberts' Flachkopf-Bulldoggfledermaus. Portuguese: Morcego de cabeca curta.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
No fossils are known (Jacobs and Fenton, 2002: 1).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008an; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008an; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004bc; IUCN, 2004). 1996 - LR/lc [assessed as *Mormopterus petrophilus*] (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Jacobs *et al.*, 2016e). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species. In parts of its range it is believed to be threatened by considerable habitat change resulting from deforestation (Mickleburgh *et al.*, 2008an; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008an) [in IUCN (2009)] report that this species is present in several protected areas in Namibia and Angola. In South Africa it has been reported from the protected Algeria forestry station. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Sauromys petrophilus is found in southern Africa, ranging along the west coast from the Angola and Namibia border area, south into southern South Africa, and from here into northeastern South Africa, Zimbabwe, and western Mozambique. It is found between 100 m and 2,000 m asl. In the RSA, its distribution is best predicted by geology (Babiker Salata, 2012: 50).

Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 915,652 km^2.

The Ghanaian specimen which should be in the USNM (see Meester *et al.*, 1986), could not be located in the collection (see Jacobs and Fenton, 2002: 2).

Native: Angola; Botswana (Monadjem *et al.*, 2010d: 545); Mozambique (Monadjem *et al.*, 2010d: 545; Monadjem *et al.*, 2010c: 382); Namibia (Monadjem *et al.*, 2010d: 545); South Africa (Seamark and Kearney, 2007; Monadjem *et al.*, 2010d: 545)); Zimbabwe (Monadjem *et al.*, 2010d: 545).
Presence uncertain: Ghana.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Jacobs and Fenton (2002).

Schoeman and Jacobs (2002: 157) mention the

following wing parameters for 51 specimens from the Algeria Forestry Station (RSA): Fa: 39.0 ± 1.0 mm, Wing area: 93.1 ± 11 cm^2, Wing span: 26.3 ± 1.9 cm, Wing loading: 11.2 ± 1.1 N/m^2, and aspect ratio: 7.4 ± 0.6.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
As indicated by Rautenbach and Nel (1980: 112), the extremely flattened skull is an adaptation to roosting in the narrowest of rock crevices.
For further details, see Jacobs and Fenton (2002).

DETAILED MORPHOLOGY:
Baculum - Unknown
For a description of the crania, ears and tragus, and wingshape and aspect ratio, see Jacobs and Fenton (2002).

FUNCTIONAL MORPHOLOGY:
Toussaint and McKechnie (2012: 1138) found that the rapid increases in Evaporate Water Loss at high ambient temperatures in *S. petrophilus* may imply that, notwithstanding having a comparatively heat tolerance, this species may also be most vulnerable to lethal dehydration during future heat waves.

ECHOLOCATION:
See Jacobs and Fenton (2002).

From Algeria Forest Station (RSA), Schoeman and Jacobs (2002: 157) reported the type of calls to be low duty echolocation dominated by frequency modulated calls, with a F_{peak}: 29.2 ± 1.8 kHz.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 48, FN = 62, BA = 16, a submetacentric X chromosome, and an acrocentric Y chromosome for specimens from Namibia and South Africa. However, this did not include specimens from the Western Cape that Rautenbach *et al.* (1993) included with *Chaerephon pumilus*, but have subsequently been reidentified as *S. petrophilus* (Jacobs and Fenton, 2001).
Protein / allozyme - Unknown.

HABITAT:
Sirami *et al.* (2013: 34) recorded in the Western Cape Province, South Africa that *S. petrophilus* activity was significantly and positively influenced by size of wetland, while habitats 100 m surrounding wetlands were also significantly and positively influenced by the water body. *S. petrophilus* favoured open habitats surrounding wetlands (Sirami *et al.*, 2013: 35) .

HABITS:
See Jacobs and Fenton, 2002).

ROOST:
See Jacobs and Fenton (2002).

DIET:
See Jacobs and Fenton (2002).

From the Algeria Forestry Station (RSA) Schoeman and Jacobs (2002: 157) reported the following prey groups based on 464 faecal pellets from 51 bats (in volume percent): Diptera (37.8 ± 31.2), Hemiptera (32.9 ± 23.7), Coleoptera (19.5 ± 23.1), Hymenoptera (7.9 ± 16.2), Neuroptera (0.6 ± 3.0), Trichoptera (0.4 ± 2.9), Lepidoptera (0.3 ± 2.2), and unknown (1.0 ± 3.3).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention *S. petrophilus* as possible prey of Lanner falcon (*Falco biarmicus* Temminck, 1825) and Peregrine falcon (*Falco peregrinus* Tunstall, 1771),

POPULATION:
Structure and Density - This is a locally common species. It is generally found in small numbers, with colonies thought to be tens of animals rather than hundreds (Jacobs and Fenton, 2002).
Trend - 2008 - Stable (Mickleburgh *et al.*, 2008an; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
See Jacobs and Fenton, 2002).

REPRODUCTION AND ONTOGENY:
See Jacobs and Fenton (2002).

VIRUSES:
Rhabdoviridae
Lyssavirus - Rabies related viruses
Rabies - Oelofsen and Smith (1993) tested 12 individuals from Riemvasmaak, Northern Cape, South Africa using "Trousse Platelia Rage" ELISA kit (Diagnostic Pasteur), none tested positive for antibodies to rabies virus glycoprotein G. Oelofsen and Smith (1993) tested 12 individuals from Riemvasmaak, Northern Cape, South Africa by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

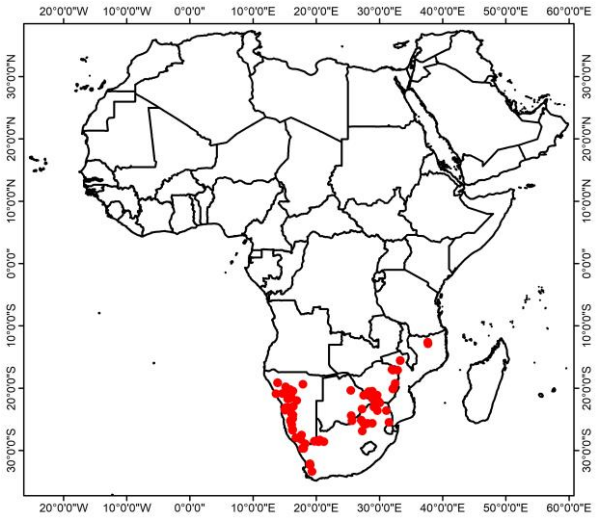

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Botswana, Mozambique, Namibia, South Africa, Zimbabwe.

Figure 197. Distribution of *Sauromys petrophilus*

Sauromys petrophilus erongensis (Roberts, 1946)

*1946. *Platymops petrophilus erongensis* Roberts, Ann. Transv. Mus., 20 (4): 308. Type locality: Namibia: Damaraland: Omaruru district: Eronga Mountains: Ombu Farm [21 35 S 15 43 E] [Goto Description]. Holotype: TM 9494: ♂. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 19 September 1941; original number: 112 (14). Holotype: TM 9570: ♂. Collected by: Austin Roberts; collection date: 22 September 1941; original number: 128. Paratype: TM 9495: ♀. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 14 September 1941; original number: 77. Paratype: TM 9496: ♀. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 17 September 1941; original number: 93. Paratype: TM 9497: ♀. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 17 September 1941; original number: 95. Paratype: TM 9497a: ♀. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 14 September 1941. Paratype: TM 9498: ♀. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 18 September 1941; original number: 105. Paratype: TM 9499: ♂. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 18 September 1941; original number: 106. Paratype: TM 9500: ♀. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 18 September 1941; original number: 108. Paratype: TM 9501: ♀. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 18 September 1941; original number: 107. Paratype: TM 9502: ♀. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 19 September 1941; original number: 113. Paratype: TM 9503: ♀. Collected by: The Barlow TM-Expedition and Austin Roberts; collection date: 19 September 1941; original number: 115. Paratype: TM 9504: ♂. Collected by: Austin Roberts; collection date: 19 September 1941; original number: 116. Paratype: TM 9505: ♂. Collected by: Austin Roberts; collection date: 19 September 1941; original number: 117. Paratype: TM 9506: ♂. Collected by: Austin Roberts; collection date: 19 September 1941; original number: 118. Paratype: TM 9507: ♀. Collected by: Austin Roberts; collection date: 20 September 1941; original number: 124. Paratype: TM 9508: ♂. Collected by: Austin Roberts; collection date: 20 September 1941; original number: 125. Paratype: TM 9511: ♂. Collected by: Austin Roberts; collection date: 22 September 1941; original number: 129. Paratype: TM 9512: ♀. Collected by: Austin Roberts; collection date: 22 September 1941; original number: 129. - Etymology: Referring to the Eronga mountains, where the type specimen was collected.

? *Mormopterus petrophilus erongensis:* (Name Combination)

? *Sauromys petrophilus erongensis:* (Name Combination, Current Combination)

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Namibia.

Sauromys petrophilus haagneri (Roberts, 1917)

1917. *Platymops (Sauromys) haagneri:* Roberts, Ann. Transv. Mus., 6 (1): 5. Publication date: 28 June 1917. (Name Combination)
*1917. *Platymops haagneri* Roberts, Ann. Transv. Mus., 6 (1): 5. Publication date: 28 June 1917. Type locality: Namibia: Great Namaqualand: Keetmanshoop [26 35 00 S 18 08 00 E, 984 m] [Goto Description]. Holotype: TM X472: ad ♂. Collected by: Mr. Sigmund Haagner. Presented/Donated by: Mr. Sigmund Haagner.
? *Sauromys haagneri:* (Name Combination)
? *Sauromys petrophilus haagneri:* (Name Combination, Current Combination)

COMMON NAMES:
Afrikaans: Haagnerse Platkopvlermuis. English: Haagner's Flat-headed Bat.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Namibia, South Africa.

Sauromys petrophilus petrophilus (Roberts, 1917)

*1917. *Platymops (Sauromys) petrophilus:* Roberts, Ann. Transv. Mus., 6(1): 5. Publication date: 28 June 1917.
? *Sauromys petrophilus petrophilus:* (Name Combination, Current Combination)

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Botswana.

Sauromys petrophilus umbratus (Shortridge & Carter, 1938)

*1938. *Platymops haagneri umbratus* Shortridge and Carter, Ann. S. Afr. Mus., 32 (4): 282. Publication date: July 1938. Type locality: South Africa: Western Cape province: 11 mi [=18 km] NE Clanwilliam, Pakhuis Pass: Kliphuis [32 08 S 19 00 E] [Goto Description]. Holotype: KM 2827.
1946. *Platymops petrophilus fitzsimonsi* Roberts, Ann. Transv. Mus., 20 (4): 308. Type locality: South Africa: SW Cape province: near Ceres: Mitchell's Pass [Goto Description]. Holotype: TM 8968: ♀. Collected by: Austin Roberts; collection date: 7 November 1940; original number: 63. Holotype: TM 8969: ♀. Collected by: Austin Roberts; collection date: 7 November 1940.
? *Sauromys petrophilus umbratus:* (Name Combination, Current Combination)

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
South Africa.

Genus ***Tadarida*** Rafinesque, 1814

*1814. *Tadarida* Rafinesque, Précis des découvertes et travaux somiologiques, 55. Publication date: 3 June 1814. - Comments: Type species: *Cephalotes teniotis* Rafinesque, 1814. - Etymology: Meaning unknown (Flannery, 1990: 366). Possibly from the Greek "data" or Latin "taeda" and "nukterida" (see Kozhurina, 2002: 18). Braun and Mares (1995: 182) refer to Gotsch (1979), who states this is a word created by C.S. Rafinesque. Lanza *et al.* (2015: 317 - 318) gives the following explanation: "From the feminine Greek substantive "*νυκτερίς*" (nykterís) [genitive "*νυκτερίδος*" (nikterídos)], meaning "bat"; by aphaeresis] and dialectal deformation, the above genitive turned into "tadarida" in southern Italy. Some examples of similar dialect deformations are according to Forsyth Major (1893): tagddariti (Naples); taddarita, taddarida and taddarito (Calabria), tardaritòla and tardarira (Sicily)". (Current Combination)
1818. *Nyctinomus* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 114, pl. 2. Publication date: 1818 [Goto Description]. - Comments: Type species: *Nyctinomus aegyptiacus* E. Geoffroy St. Hillaire, 1818. - Etymology: From the

Greek "*νύξ*" or "*νυκτός*", meaning night and "*νομός*", meaning habitation (see Palmer, 1904: 466).

1821. *Nyctinoma* Bowdich, Analysis of the Natural Classification of Mammalia, p. 28.
1821. *Nyctinomes* Gray, London Med. Repos., 15: 299. Publication date: 1 April 1821.
1822. *Nyctinomia* Fleming, The Philosophy of Zoology, 2: 178 [Goto Description].
1825. *Dinops* Savi, Nuov. Giorn. Letter. Pisa, Sci., 10: 229. - Comments: Type species: *Dinops cestoni* Savi, 1824 (=*Cephalotes teniotis* Rafinesque, 1814). - Etymology: From the Greek "*δεινός*", meaning terrible and "*ώψ*", meaning face or aspect, probably referring to the deeply grooved or wrinkled face (see Palmer, 1904: 234).
1830-1831. *Dysopes* Cretzschmar, in: Rüppell, Atlas Reise Nördlichen Afrika, Zoologie Säugethiere, 1: 69. Publication date: 1830-1831. - Comments: Not of Illiger, 1811. The publication date of Cretzschmar's work is sometimes indicated as "1826" (as mentioned on the title page), but also as "1827", "1828", "1830-1831".
1934. *Austronomus* Iredale and Troughton, Mem. Aust. Mus., p. 100. - Comments: Type species: *Nyctinomus australis atratus* Thomas, 1924 (=*Molossus australis* Gray, 1839). (*Nomen Nudum*).
1941. *Austronomus* Troughton, Animals of Australia, 1st ed, 360. - Comments: Type species: *Nyctinomus australis atratus* Thomas, 1924 (=*Molossus australis* Gray, 1839). Validation of *Austronomus* Iredale and Troughton, 1934 (see Meester *et al.*, 1986: 68; Simmons (2005).
1973. *Tatarida:* Eisentraut, Bonn. zool. Monogr., 3: 113. (Lapsus)
1984. *Rhizomops* Legendre, Rev. suisse Zool., 91 (2): 427. Publication date: June 1984. - Comments: Type species: *Rhizomops brasiliensis* (I. Geoffroy Saint-Hilaire, 1824). - Etymology: From the Greek "*riza*" meaning root (see Legendre, 1984: 427).
1995. *Dynops:* Pavlinov, Borissenko, Kruskop and Jahonton, Arch. Zool. Mus., Moscow State Univ., 133: ???. (Lapsus)
? *Tadarida sp.:*

TAXONOMY:
Formerly included *Chaerephon*, *Mops*, *Mormopterus*, and *Nyctinomops*; see Freeman (1981b: 133). Includes *Rhizomops*, but see Legendre (1984); see also Owen *et al.* (1990). Mahoney and Walton (1988c) regarded *Nyctinomus* as the prior name for this genus.

Based on their analysis of molecular data, Lamb *et al.* (2011: 9) suggest that the genus *Tadarida* - as currently recognized - is not a natural group. *Tadarida teniotis* - the type species of the genus - forms a separate clade from *T. aegyptiaca* - the type species of *Nyctinomus* - and "*C. jobimena*". They suggest that the two latter species - together with other species - might be placed in a separate genus: *Nyctinomus*, but they await further taxonomic sampling and resolution of the phylogeny of other African taxa before making this formal.

Known species within the genus *Tadarida*: ***aegyptiaca*** (E. Geoffroy, 1818); *australis* (Gray, 1839) – south and central Australia (Simmons, 2005: 449); *brasiliensis* (I. Geoffroy, 1824) – southern Brazil, Bolivia, Argentina and Chile to Oregon, south Nebraska and Ohio (USA), Greater and Lesser Antilles (Simmons, 2005: 450); ***fulminans*** (Thomas, 1903); *insignis* Blyth, 1862 – Japan, Taiwan, Korea, southern China (Simmons, 2005: 450); *kuboriensis* McKean and Calaby, 1968 – New Guinea (Simmons, 2005: 450); *latouchei* Thomas, 1920 – northern China, Thailand, Laos, Japan (Simmons, 2005: 450); ***lobata*** (Thomas, 1891); ***teniotis*** (Rafinesque, 1814); ***ventralis*** (Heuglin, 1861).

COMMON NAMES:
Czech: širokouší morousi (hroznohledové, netopýři morousovití. English: Guano Bats, Free-tailed Bats, Tadarine Bats. French: Tadarides. German: Gewöhnliche Bulldoggfledermäuse. Italian: Tadarìde.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Avery (2007: 619) reported on the presence of *Tadarida* sp. in Pleistocene deposits at Wonderwerk Cave, South Africa.

PARASITES:
Barbosa *et al.* (2016: 215) reported *Trypanosoma erneyi* from a *Tadarida* sp. from Mozambique.

ACARI
Myobiidae: Fain (1994: 1280) reports one species of *Schizomyobia*, living on Old World *Tadarida*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Congo (Democratic Republic of the), Egypt, Kenya, Niger, Somalia, South Africa, South Sudan, Tanzania, The Gambia, Uganda, Zambia.

†***Tadarida engesseri*** Rachl, 1983

*1983. *Tadarida engesseri* Rachl, Die Chiroptera (Mammalia) aus den mittelmiozänen Kalken des Nordlinger Rieses (Suddeutschland). Thesis Doct, Ludwig-Maximilians. Universität München. Type locality: Germany: Steinberg (Ries).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Middle Miocene (Astaracanian).

GENERAL DISTRIBUTION:
Europe; Morocco Hugueney *et al.* (2015: 472).

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)

*1818. *Nyctinomus ægyptiacus* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 128, pl. 2, No 2. Publication date: 1818. Type locality: Egypt: Giza province: Giza [30 01 N 31 13 E]. Lectotype: MNHN ZM-MO-1986-1084 (A.467): ad ♂, skin and skull. Number 228 in Rode (1941: 251). - Comments: Type locality restricted from "Egypt" to Giza by Koopman (1975: 422): see Qumsiyeh (1985: 73), Meester *et al.* (1986: 70). - Etymology: From the scientific Latin feminine adjective *aegyptìacus*, meaning "Egyptian", as the species was decribed from an Egyptian specimen (see Lanza *et al.*, 2015: 319).
2012. *Nyctinomus aegyptiacus:* Benda, Faizolâhi, Andreas, Obuch, Reiter, Ševcík, Uhrin, Vallo, and Ashraf, Acta Soc. Zool. Bohem., 76: 163, 516. Publication date: 27 December 2012. (Alternate Spelling)
? *Tadarida (Tadarida) aegyptiaca:* (Name Combination)
? *Tadarida aegyptiaca:* (Name Combination, Current Combination)

TAXONOMY:
Includes *tragata*; see Corbet (1978: 63) and Freeman (1981b: 165). However, see Benda *et al.* (2012a: 523) and Bendjeddou *et al.* (2016b:23) who consider *tragata* to be a separate species, extralimital to Africa.

Benda *et al.* (2012a: 516) place this taxon in the genus *Nyctinomus*, a view followed by a.o. Bendjeddou *et al.* (2016b: 23).

COMMON NAMES:
Afrikaans: Egiptiese losstertvlermuis. Bengali: Lomba-leji Chamchika. Czech: morous egyptský, příšerec egipecký, tadarida jižní, morous jižní. Dutch: Egyptischte bulvleermuis. English: Egyptian Free-tailed Bat, Egyptian Guano Bat, Egyptian Nyctinome. French: Tadaride d'Egypte, Molosse d'Egypte. German: Ägyptische Bulldoggfledermaus. Italian: Tadarìda egiziàna. Portuguese: Morcego de cauda livre do egipto.

ETYMOLOGY OF COMMON NAME:
The original specimens were collected in Egypt during the Napoleonic wars by E. Geoffroy Saint-Hilaire, who at that time served under Napoleon (see Taylor, 2005).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Avery and Avery (2011: 18) report on Holocene and Pleistocene remains from Wonderwerk (Northern Cape province, South Africa).

CONSERVATION STATUS:
Global - Broadly distributed and locally common, hence is listed as Least Concern (LC ver 3.1 (2001)) (Mickleburgh *et al.*, 2008ar; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008ar; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2004bb; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (MacEwan *et al.*, 2016a). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
No serious threats other than roost disturbance from human interference is noted for this species (Molur *et al.*, 2002). Pesticides used against locusts are a threat as for all bat species found in the Saharan belt (Mickleburgh *et al.*, 2008ar; IUCN, 2009). Furthermore, Doty and Martin (2012: 75) report on fatalities due to wind turbines in the Eastern Cape, South Africa.

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008ar) [in IUCN (2009)] report that the species is protected by national legislation

in some of the Mediterranean range states as well as in South Africa. It is likely to be found in protected areas. A survey using bat detectors should be undertaken to help clarify the distribution limits and population size of this species as it is probably more widespread than current records indicate. A study on the impacts of pesticides is required, especially ways in which the impact might be minimised.

GENERAL DISTRIBUTION:
Tadarida aegyptiaca is found throughout Africa, and in the Arabian Peninsula through to India, Sri Lanka and Bangladesh. In the Mediterranean region there are isolated records from southern Morocco and western Algeria, but it is more widely distributed in Egypt along the Nile River valley eastwards to the Red Sea coast and south to the Sudanese border. The species is thought to be more widely distributed than is currently known and may well occur elsewhere in the region. In South Asia, this widely distributed species is presently known from Afghanistan (Kabul Province) (Habibi, 2003), Bangladesh (no exact location) (Khan, 2001; Srinivasulu and Srinivasulu, 2005), India (Andhra Pradesh, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Rajasthan, Tamil Nadu and West Bengal), Pakistan (Punjab and Sind) and Sri Lanka (Central and Uva Provinces) (Molur *et al.*, 2002). Elevation: sea level up to 2,100 m asl.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,214,127 km^2. In the RSA, the species' distribution is linked with land use/land cover (Babiker Salata, 2012: 50).

Native: Afghanistan; Algeria; Angola (Crawford-Cabral, 1989; Hayman, 1963; Monadjem *et al.*, 2010d: 545); Bangladesh; Botswana (Monadjem *et al.*, 2010d: 545); Congo (The Democratic Republic of the); Egypt; Ethiopia; Eritrea (Lavrenchenko *et al.*, 2004b: 132); India; Iran, Islamic Republic of; Kenya; Lesotho (Lynch, 1994: 197; Monadjem *et al.*, 2010d: 545); Mauritania; Morocco (Benda *et al.*, 2004d; El Ibrahimi and Rguibi Idrissi, 2015: 365); Mozambique (Monadjem *et al.*, 2010d: 545; Monadjem *et al.*, 2010c: 382); Namibia (Monadjem *et al.*, 2010d: 545); Nigeria; Oman; Pakistan; Saudi Arabia; South Africa (Seamark and Kearney, 2007; Monadjem *et al.*, 2010d: 546); Swaziland (Monadjem *et al.*, 2010d: 546); Sri Lanka; Sudan; Tanzania; Tunisia (Bendjeddou *et al.*, 2016b: 23); Uganda; Yemen (Benda *et al.*, 2011b: 45); Zambia (Cotterill, 2004a: 260; Monadjem *et al.*, 2010d: 546); Zimbabwe (Monadjem *et al.*, 2010d: 546).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Schoeman and Jacobs (2002: 157) reported the following parameters for 43 specimens from the Algeria Forestry Station (RSA): Fa: 45.1 ± 1.2 mm, Wing area: 115.2 ± 8.4 cm^2, Wing span: 30.8 ± 1.0 cm, Wing loading: 13.1 ± 1.6 N/m^2, and aspect ratio: 8.3 ± 0.6.

ECHOLOCATION:
See Taylor (1999b).

From Algeria Forest Station (RSA), Schoeman and Jacobs (2002: 157) reported the type of calls to be low duty echolocation dominated by frequency modulated calls, with a F_{peak}: 22.8 ± 1.9 kHz.

Schoeman and Waddington (2011: 291) mention a peak frequency of 21.8 ± 1.7 kHz and a duration of 12.8 ± 0.7 msec for specimens from Durban, South Africa.

From Waterberg, South Africa, Taylor *et al.* (2013b: 18) recorded the following parameters for 8 calls: F_{max}: 28.3 ± 3.36 (24.8 - 34.1) kHz, F_{min}: 21.6 ± 2.73 (17.2 - 24.0) kHz, F_{knee}: 24.2 ± 1.47 (21.9 - 26.1) kHz, F_{char}: 22.8 ± 1.39 (20.5 - 24.5) kHz, duration: 7.2 ± 3.10 (3.3 - 10.9) msec.
At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 24 (22 - 26) kHz.
Linden *et al.* (2014: 40) reported the following parameters from the Soutpansberg range (RSA): F_{min}:17 - 24 kHz, F_{char}: 20 - 24 kHz, F_{knee}: 22 - 26 kHz, Slope: 65 - 221 OPS, duration: 3 - 11 msec.

Moores and Brown (2017: 612) recorded the following parameters for 25 calls from southern Morocco: F_{start}: 26.0 ± 2.6 (22.2 - 30.4) kHz, F_{max}: 19.6 ± 1.6 (17.4 - 22.3) kHz, F_{end}: 18.4 ± 0.8 (17.2 - 19.5) kHz, duration: 9.4 ± 1.4 (8.1 - 12.2) msec, interpulse interval: 373 ± 153 (220 - 780) msec.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Both Nagorsen *et al.* (1976) and Rautenbach *et al.* (1993) reported 2*n* = 48 and an actrocentric Y chromosome. However, while Nagorsen *et al.* (1976) reported FN = 54, BA = 8, and a submetacentric X chromosome, Rautenbach *et al.* (1993) reported FN = 68, BA = 22, and a metacentric X chromosome, for specimens from Namibia and South Africa.
Protein / allozyme - Unknown.

HABITAT:
Sirami *et al.* (2013: 34) recorded in the Western Cape Province, South Africa that *T. aegyptiaca* activity was significantly and positively influenced by wetland size, while habitats 100 m surrounding wetlands were also significantly and positively

influenced by the water body. *T. aegyptiaca* favoured open habitats surrounding wetlands (Sirami *et al.*, 2013: 35).

HABITS:
Rautenbach and Nel (1980: 112) indicate that this is fast flying bat which follows a relatively straight flight path.

Thomas and Jacobs (2013: 129) report that, at De Hoop Nature Reserve, South Africa, bats feeding on Diptera (such as *T. aegyptiaca*) emerged later than bats feeding on Lepidoptera (e.g. *Rhinolophus capensis* and *Nycteris thebaica*).

ROOST:
In the Durban area (RSA), Taylor *et al.* (1999: 68) found these bats roosting in high-rise buildings of the Central Business District, and the colony sizes varied between 30 and an estimated 300.

Toussaint *et al.* (2010) examined roost temperature in Pretoria, South Africa.

DIET:
In Zimbabwe, Fenton and Thomas (1980: 86) report that the diet of *T. aegyptiaca* consists of Lepidoptera and Coleoptera.

From the Algeria Forestry Station (RSA) Schoeman and Jacobs (2002: 157) reported the following prey groups based on 314 faecal pellets from 43 bats (in volume percent): Diptera (34.6 ± 33.4), Coleoptera (25.5 ± 30.7), Hemiptera (19.2 ± 24.6), Hymenoptera (8.4 ± 22.2), Lepidoptera (5.4 ± 13.4), Ephemeroptera (2.7 ± 7.7), Neuroptera (1.5 ± 6.5), Orthoptera (0.6 ± 3.4), and unknown (1.4 ± 7.1).

For Saudi-Arabia, Benda *et al.* (2012a: 524) indicate that some diet samples were dominated by Lepidoptera, whereas others were dominated by Coleoptera and Hymenoptera or by Heteroptera and Brachycera. In Iran, three digestive tracts were analysed: One tract was empty, one contained Lepidoptera (30 % of volume), Coleoptera (Scarabaeidae) (30 %), Neuroptera (Myrmeleontidae) (10 %), and Orthoptera (Ensifera) (30 %), and the third tract contained Coleoptera (Elateridae, Carabidae) (60 %) and Orthoptera (Ensifera) (40 %).

PREDATORS:
Avery *et al.* (2005: 1054) found this species to be present in pellets from *Tyto alba* in South Africa.

Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - This species is widespread and common in its South Asian range, where its population seems to be stable (Molur *et al.*, 2002). Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008ar; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Toussaint *et al.* (2010) examined heterothermy in *T. aegyptiaca* in Pretoria, South Africa.

REPRODUCTION AND ONTOGENY:
In Pretoria (South Africa), Tsita (1993), Bernard and Tsita (1995: 18) and le Grange *et al.* (2011: 170 - 171) found spermatogenesis occurring in January, and spermatozoa were first found in the epididymis in May, where they were stored until the end of September. In females, follicular development was already taking place in January. Copulation, ovulation and fertilization took place in August to early September; and births took place in December. Their conclusion was that *T. aegyptiaca* is a monoestrous, monotocous seasonal breeder. le Grange *et al.* (2011: 173) also indicate that, at 33° S, spermatogenesis only started in February, and that follicular development only started in April, but copulation, ovulation, and fertilization also occurred at the end of August.

PARASITES:
Copeland *et al.* (2011: 363) reported the rediscovery of the "terrible hairy fly" (*Mormotomyia hirsuta* (after 62 years) in guano produced by *C.* cf. *bivittatus* and *T. aegyptiaca* at Ukasi Hill, Kenya.

From Algeria, the following ectoparasites were reported by Bendjeddou *et al.* (2017: 15): Nycteribiidae: *Nycteribia (Nycteribia) pedicularia* Latreille, 1805 and *Phthiridium biarticulatum* Hermann, 1804; Streblidae: *Brachytarsina (Brachytarsina) flavipennis* Macquart, 1851: and Arachnida: *Spinturnix myoti* (Kolenati, 1856) and *Eyndhovenia euryalis* (G. Canestrini, 1885).

VIRUSES:
Bunyaviridae
Phlebovirus
Rift Valley Fever Virus (RVFV) - Oelofsen and Van der Ryst (1999) tested 24 individuals from two localities in the Free State Province, South Africa for RVFV antigen using an enzyme linked immunosorbet assay (ELISA), none tested positive.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Rabies - Oelofsen and Smith (1993) tested 55 individuals from four localities using "Trousse Platelia Rage" ELISA kit (Diagnostic Pasteur),

none tested positive for antibodies to rabies virus glycoprotein G. Oelofsen and Smith (1993) tested 89 individual brains, from 9 localities by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Angola, Botswana, Côte d'Ivoire, Egypt, Ethiopia, Guinea, Kenya, Lesotho, Mali, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe.

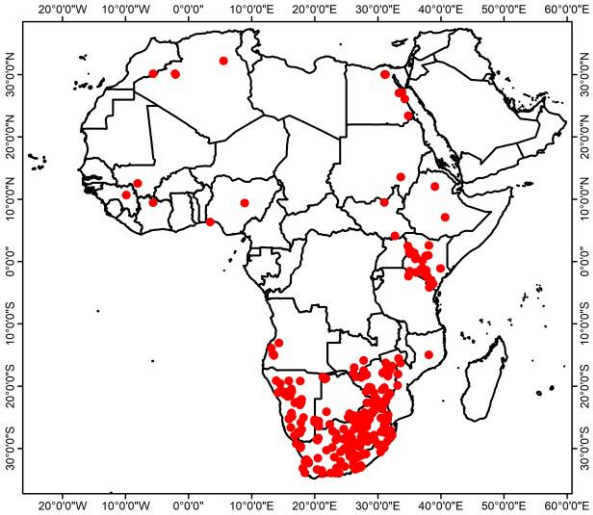

Figure 198. Distribution of *Tadarida aegyptiaca*

Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)

*1818. *Nyctinomus ægyptiacus* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 128, pl. 2, No 2. Publication date: 1818. Type locality: Egypt: Giza province: Giza [30 01 N 31 13 E]. - Comments: Type locality restricted from "Egypt" to Giza by Koopman (1975: 422): see Qumsiyeh (1985: 73), Meester *et al.* (1986: 70). - Etymology: From the scientific Latin feminine adjective *aegyptìacus*, meaning "Egyptian", as the species was decribed from an Egyptian specimen (see Lanza *et al.*, 2015: 319).

1827. *Dysopes geoffroyi* Temminck, Monogr. Mamm, 1: 226, pls 19, 23. Publication date: 1827. - Comments: Allen (1939a: 110), Qumsiyeh (1985: 73) mentioned 1827 as year of publication. Kock (1969a: 137), Meester *et al.* (1986: 70) mention 1826. Substitute for *aegyptiacus* E. Geoffroy St. Hilaire (see Ellerman and Morrison-Scott, 1951: 135; Harrison, 1964a: 109; Kock, 1969a: 137; Qumsiyeh, 1985: 73; Meester *et al.*, 1986: 70).

1877. *Dysopes talpinus* Heuglin, Reise in Nordost Afrika, 2: 28. Publication date: 1877. Type locality: Sudan: Bahr-el-Ghazal province: Kidj district: Bahr el Jebel, West bank: "Kidj district" [ca. 07 06 N 30 46 E].

1916. *Nyctinomus (Nyctinomus) tongaënsis* Wettstein, Anz. kais. Akad. Wiss., Wien, 53: 192. Publication date: 1916. Type locality: Sudan: Upper White Nile: Tonga [09 30 N 31 03 E] [Goto Description]. Syntype: NMW 8406: ♂, alcoholic (skull not removed). Collected by: Prof. Dr. Franz Werner; collection date: 16 April 1916. Presented/Donated by: Otto Ritter von Westersheim Wettstein. See Benda *et al.* (2012a: 582). Syntype: NMW 8407: ♂, skull and alcoholic. Collected by: Prof. Dr. Franz Werner; collection date: 16 April 1916. Presented/Donated by: Otto Ritter von Westersheim Wettstein. See Benda *et al.* (2012a: 582). - Comments: Wettstein (1916: 189, 192) mentions two male type specimens, collected by Prof. Dr. Franz Werner on 16 April 1914.

1938. *[Nyctinomus] tongaënsis:* Frechkop, Exploration du Parc National Albert, 54. (Name Combination)

? *Tadarida aegyptiaca aegyptiaca:* (Name Combination, Current Combination)

? *tongaensis:* (Current Spelling)

GENERAL DISTRIBUTION:
Arabia, N Africa (Horácek *et al.*, 2000: 136).

PARASITES:
SIPHONAPTERA
Ischnopsyllidae: *Araeopsylla scitula* (Rothschild 1909) found in southern Africa from Cape, Natal, Transvaal Provinces of South Africa, Lesotho and Botswana (Haeselbarth *et al.*, 1966: 189).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Algeria, Egypt, Kenya, South Africa, South Sudan.

Tadarida aegyptiaca bocagei (Seabra, 1900)

1900. *Nyctinomus Anchietæ* Seabra, J. Sci. mat. phys. nat., ser. 2, 6: 82. Publication date:

August 1900. Type locality: Angola: W Angola: Quibula [Goto Description].
*1900. *Nyctinomus Bocagei* Seabra, J. Sci. mat. phys. nat., ser. 2, 6: 84. Publication date: August 1900. Type locality: Angola: Benguela district: East of Hanha: Galanga [12 04 S 15 09 E] [Goto Description].
1900. *Nyctinomus brunneus* Seabra, J. Sci. mat. phys. nat., ser. 2, 6: 83. Publication date: August 1900. Type locality: Angola: NE of Benguela: Quissange [12 30 S 14 05 E] [Goto Description].
1941. *Tadarida bocagei:* Hill and Carter, Bull. Am. Mus. Nat. Hist., 78 (1): 55. Publication date: 25 July 1941. (Name Combination)
? *Tadarida (Tadarida) aegyptiaca bocagei:* (Name Combination)
? *Tadarida aegyptiaca bocagei:* (Name Combination, Current Combination)

TAXONOMY:
If page precedence is to be taken into account, *anchietae* might be the senior synonym for this form.

COMMON NAMES:
Afrikaans: Bocagese Losstertvlermuis. English: Bocage's Free-tailed Bat.

GENERAL DISTRIBUTION:
Angola and Zambia to South Africa (Horácek *et al.*, 2000: 136).

PREDATORS:
Dean (1975: 218) reports on remains being found in barn owl (*Tyto alba*) pellets in South Africa.

PARASITES:
HEMIPTERA
Cimicidae: *Stricticimex transverses* Ferris and Usinger, 1957 from Kanye, Botswana (Haeselbarth *et al.*, 1966: 15).

SIPHONAPTERA
Ischnopsyllidae: *Araeopsylla scitula* (Rothschild, 1909) found in southern Africa from Cape, Natal, Transvaal Provinces of South Africa, Lesotho and Botswana (Haeselbarth *et al.*, 1966: 189).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Botswana, Lesotho, Mozambique, Namibia, South Africa, Zambia, Zimbabwe.

Tadarida fulminans (Thomas, 1903)

*1903. *Nyctinomus fulminans* Thomas, Ann. Mag. nat. Hist., ser. 7, 12 (71): 501. Publication date: 1 November 1903. Type locality: Madagascar: Eastern Betsileo: Fianarantsoa [21 36 S 47 05 E, 1 130 m] [Goto Description]. Holotype: BMNH 1882.3.1.34: ♂, skull and alcoholic. Collected by: Rev. W. Deans Cowan; original number: 4. - Etymology: From the Latin "*fulminate*" meaning strike with lightning.
1946. *Nyctinomus mastersoni* Roberts, Ann. Transv. Mus., 20 (4): 306. Type locality: Zimbabwe: Bindura district: Masembura Nature Reserve: Chikupu caves [17 24 S 31 20 E] [Goto Description]. Holotype: TM 9976: ad ♂, skin and skull. Collected by: H.B. Masterson; collection date: 10 July 1945. Topotype: ROM 64580: ad ♂, skin and skull. Collected by: Randolph L. Peterson and G.E. Turner; collection date: 11 May 1972.
2004. *Tadarida fulmilans:* Goodman and Cardiff, Acta Chiropt., 6 (2): 227. (Lapsus)
? *Tadarida fulminans mastersoni:* (Name Combination)
? *Tadarida fulminans:* (Name Combination, Current Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Afrikaans: Madagaskarse grootlosstertvlermuis. Czech: morous východoafrický. English: Large Free-tailed Bat, Lightning Guano Bat, Large Guano Bat, Madagascan Large Guano Bat, Madagascan Large Free-tailed Bat, Madagascan Free-tailed Bat, Madagascar Large Free-tailed Bat, Malagasy Free-tailed Bat. French: Tadaride de Thomas, Grande Tadaride de Madagascar, Molosse de Madagascar. German: Madagassische Bulldoggfledermaus.

ETYMOLOGY OF COMMON NAME:
The colloquial name refers to the island where the species occurs.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide range across east and southern Africa. Although it is not a common species and can be patchily distributed, it is not thought to be facing any major threats (Cotterill *et al.*, 2008; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Cotterill *et al.*, 2008; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Cotterill, 2004b; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016z). 2004 - Considered a vagrant. Not assessed, due to known form a single locality (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species (Cotterill *et al.*, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Cotterill *et al.* (2008) [in IUCN (2009)] report that it has been recorded from one protected area in Madagascar and is presumed to exist in many protected areas within its range in eastern and southern Africa, however, there appear to be no active conservation measures in place. Further studies are needed into the distribution and taxonomic status of bats allocated to *Tadarida fulminans*.

GENERAL DISTRIBUTION:
Tadarida fulminans ranges through East Africa, southern Africa and a few localities on the island of Madagascar. Populations have been recorded through eastern and southeastern Africa, from around the border of Kenya and Uganda as far south as the border between Zimbabwe and South Africa. The most westerly record is from eastern Democratic Republic of the Congo. In Madagascar, it is only known from a few records, mostly from the central-south region near to Fianarantsoa and Isalo National Park, and from records at Tolagnaro near the southeast coast (Jenkins *et al.*, 2007a). Further surveys are needed within Madagascar (Goodman and Cardiff, 2004). It ranges from about sea level (at Fort Dauphin in Madagascar) to close to 2,000 m asl (Albertine Rift).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 541,523 km^2.

Native: Congo (The Democratic Republic of the); Kenya; Madagascar; Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 546); Mozambique (Monadjem *et al.*, 2010d: 546; Monadjem *et al.*, 2010c: 382); Rwanda; South Africa (Monadjem *et al.*, 2010d: 546); Tanzania; Zambia (Ansell, 1957; Ansell, 1967; Monadjem *et al.*, 2010d: 547); Zimbabwe (Monadjem *et al.*, 2010d: 547).

ECHOLOCATION:
See Taylor (1999b).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Peterson and Nagorsen (1975) reported 2*n* = 48, FN = 54, BA = 8, a submetacentric X chromosome, and an acrocentric Y chromosome, for specimens from Zimbabwe. However, Rautenbach *et al.* (1993) reported 2*n* =48, FN =66, BA =20, a metacentric X chromosome and an acrocentric Y chromosome for specimens from South Africa.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - Locally common, but patchily distributed in Africa. On Madagascar this bat is an uncommon, patchily distributed species. Colonies of this species may consist of dozens of individuals (although always fewer than 100 animals) (Cotterill *et al.*, 2008; IUCN, 2009).
Trend - 2008 - Stable (Cotterill *et al.*, 2008; IUCN, 2009).

PARASITES:
Polyctenidae: *Hypoctenes fani* Benoit 1958, a single female collected from Rwanda (Haeselbarth *et al.*, 1966: 18).

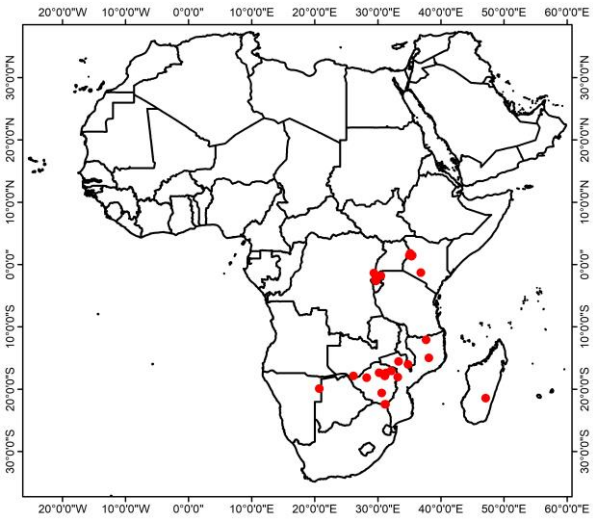

Figure 199. Distribution of *Tadarida fulminans*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Kenya, Madagascar, Malawi, Mozambique, Namibia, Rwanda, South Africa, Tanzania, Zimbabwe.

Tadarida lobata (Thomas, 1891)

*1891. *Nyctinomus lobatus* Thomas, Ann. Mag. nat. Hist., ser. 6, 7 (39): 303. Publication date: 1 March 1891. Type locality: Kenya: West Pokot: upper reaches of Turkwell: Turkwell Gorge, at or near [ca. 01 52 N 35 22 E] [Goto Description]. Holotype: BMNH 1893.2.3.7: ♂, skull and alcoholic. Collected by: Sir Frederic John Jackson. Peterson and Harrison (1970: 1) indicate that this specimen is probably a male, although they could not find any trace of scrotal development. - Etymology: From "*lobata*" meaning lobed.
? *Tadarida (Chaerephon) pumila limbata:*
? *Tadarida lobata:* (Name Combination, Current Combination, Current Spelling)
? *Tadarida pumila limbata:*

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Afrikaans: Grootoor-losstervlermuis. Czech: morous širokouchý. English: Big-eared Guano Bat, Big-eared Kenyan Guano Bat, Kenyan Big-eared Free-tailed Bat, Big-eared Free-tailed Bat, Big-eared Kenya Free-tailed Bat, Eastern Africa Free-tailed Bat. French: Tadaride du Kenya, Tadaride de l'Afrique orientale, Molosse à grandes oreilles. German: Großohr-Bulldoggfledermaus.

ETYMOLOGY OF COMMON NAME:
The colloquial name perhaps refers to the country from which the species was originally described (see Taylor, 2005).

CONSERVATION STATUS:
Global - Although this species is known mainly from isolated records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) because it is associated with rocky areas in dry savanna habitat, and is unlikely to be declining fast enough to qualify for listing in a more threatened category (Cotterill, 2008e; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Cotterill, 2008e; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Cotterill, 2004e; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no identifiable threats to this species (Cotterill, 2008e; IUCN, 2009).

CONSERVATION ACTIONS:
Cotterill (2008e) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further surveys are needed to better determine the range of this species, and to understand whether it is restricted to rocky areas or can persist in modified habitats.

GENERAL DISTRIBUTION:
Tadarida lobata has only been recorded from four localities in Kenya and four localities in Zimbabwe (Skinner and Chimimba, 2005). It is found between 600 and 2,000 m asl.

Native: Kenya; Zimbabwe (Monadjem *et al.*, 2010d: 547).

POPULATION:
Structure and Density - It appears to be a rare species found in small colonies (Cotterill, 2008e; IUCN, 2009). The apparent rarity might be attributed to their high-flying habits and inaccessible daylight roosts (Cotterill, 1996b).
Trend - 2008 - Unknown (Cotterill, 2008e; IUCN, 2009).

PARASITES:
Duszynski (2002: 20) indicates that *T. lobata* might be a host for *Eimeria dukei* Lavier, 1927, but as Pellérdy (1974) mentioned the bat as "*Tadarida limbata*" this might not be correct.

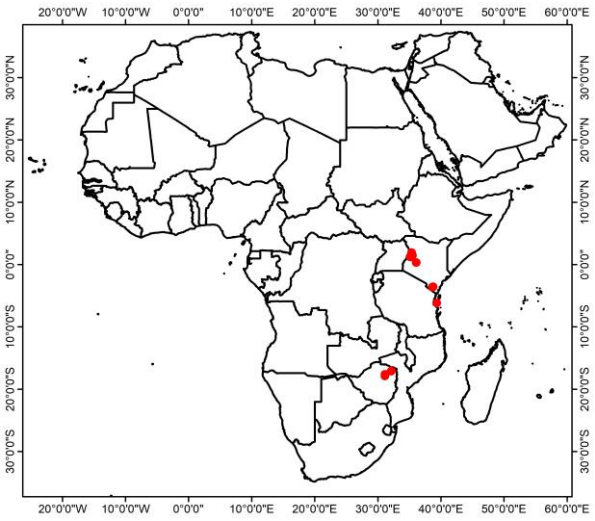

Figure 200. Distribution of *Tadarida lobata*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya, Tanzania, Zimbabwe.

Tadarida teniotis (Rafinesque, 1814)

*1814. *Cephalotes teniotis* Rafinesque, Précis des découvertes et travaux somiologiques, 12, 55. Publication date: 3 June 1814. Type locality: Italy: Sicily [Goto Description]. - Etymology: From the Greek "*teniotis*" meaning striped, banded.
1825. *Dinops Cestonii* Savi, Nuov. Giorn. Letter. Pisa, Sci., 10: 230. Type locality: Italy: Tuscany: Pisa [43 43 N 10 24 E]. Syntype: ZFMK 1983.0173: ♂, alcoholic (skull not removed). Collected by: Prof. Paulo Savi; collection date: 1846. On label: "*Nyctinomus cestonii* (Savi) Dobson (In der Sammlg. Von Berthold als *Dysops Savii* angegeben) Toscana"; ex Göttingen Museun 1978: see Hutterer (1984: 32).
1827. *Dysopes rüpelii* Temminck, Monogr. Mamm, 1: 224, pl. 18. Publication date: 1827. Type locality: Egypt: Cairo [30 03 N 31 15 E]. Lectotype: SMF 12380: skin and skull. Collected by: Wilhem Peter Edward Simon Rüppell. Locality: Egypt. original number: II.K.1.b. Paralectotype: SMF 12379: skin and skull. Collected by: Wilhem Peter Edward Simon Rüppell. Locality: Egypt. old catalog number: II.K.1.a. - Comments: Type locality restricted from "Egypt" to Cairo by Qumsiyeh (1985: 71). Incorrect original spelling (*rüpelii*) corrected by Qumsiyeh (1985: 71) as *rueppellii*.
1840. *Dysopes Savii* Schinz, Europäische Fauna oder Verzeichniss der Wirbelthiere Europa's, 1: 138. - Comments: Substitute for *cestoni* (see Ellerman and Morrison-Scott, 1951: 134; Harrison, 1964a: 106). - Etymology: In honour of Gaetano Savi (1769 - 1844) (see Kozhurina, 2002: 17).
1855. *Dysopes cestonii:* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen, Suppl. 5: 702.
1876. *Nyctinomus cestonii:* Dobson, Monogr. Asiatic Chiropt, 180.
1877. *Dysopes rüppellii:* Dobson, Proc. zool. Soc. Lond., 1876, IV: 719. Publication date: April 1877. - Comments: Correction of Temminck's *Dysopes rüpelii*.
1891. *Nyctinomus taeniotis:* Thomas, Proc. zool. Soc. Lond., 1891, II: 182. (Lapsus)
1897. *midas* Schulze, Helios, Berlin, 14: 95. - Comments: Preoccupied by *midas* Sundevall, 1843 (See Pavlinov *et al.*, 1995: 91).
1914. *Cephalotes tæniotis:* Cabrera, Fauna Ibérica, 145. (Lapsus)
1985. *rueppellii* Qumsiyeh, Spec. Publ. Mus. Texas Tech. Univ., 23: 71. - Comments: Emendation of *rüpelii* Temminck, 1827. (Emendation)
1988. *Tadarida taeniotis:* Estrada-Peña and Sánchez, Rev. Ibér. Parasitol., 48 (3): 310. (Lapsus)
? *Tadarida (Tadarida) teniotis rueppelli:* (Name Combination)
? *Tadarida (Tadarida) teniotis:* (Name Combination)
? *Tadarida teniotis rueppelli:* (Name Combination, Alternate Spelling)
? *Tadarida teniotis rueppellii:* (Name Combination)
? *Tadarida teniotis:* (Name Combination, Current Combination)

TAXONOMY:
Revised by Aellen (1966a) and Kock and Nader (1984).

Populations in Japan, Taiwan and Korea are now treated as a separate species, *T. insignis* (Simmons, 2005).

COMMON NAMES:
Albanian: Lakuriq nate bisht-lire. Basque: Saguzar buztanluzea. Catalonian (Spain): Rat penat cuallarg. Czech: morous evropský, hroznohled pyskatý, psohubec myšový, netopýr vrásopyskatý, tadarida evropská. Dutch: Zuideuropese bulvleermuis, Bulveermuis, Europese bulvleermuis. English: European Free-tailed Bat, European Guano Bat, Striped or Banded Guano Bat, Wrinkle-lipped Bat, Eurasian Free-tailed Bat. French: Tadaride de Cestoni, Tadaride d'Europe, Molosse d'Europe, Molosse de Cestoni. Gallician (Spain): Morcego rabudo. German: Bulldoggfledermaus, Europäische Bulldoggfledermaus. Greek: Νυχτονόμος. Hungarian: Nycteris i urophoros. Italian: Molosso di Cestoni. Macedonian: Opashest Liljak. Roman: Moloss Buldoc. Russian: Широкоухий складчатогуб. Spanish (Castillian): Murciélago rabudo. Portuguese: Morcego-rabudo.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Amorim *et al.* (2013: 7) indicate that palaeodistribution models predict that during the Last Glacial Maximum (LGM: 23,000 - 18,000 YBP) the climatic conditions for *T. teniotis* were favorable in southern Europe and northern Africa.

CONSERVATION STATUS:
Global - The species is widely distributed over a large extent of occurrence. It occurs in urban areas and forages in other modified habitats.

Population trends are not known but are not believed to approach the threshold for the population decline criterion of the IUCN Red List. Consequently, it is assessed as Least Concern (LC ver 3.1 (2001)) (Aulagnier *et al.*, 2008e; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Aulagnier *et al.*, 2008e; IUCN, 2009). 1996 - LR: lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
It is negatively affected by disturbance and loss of roosts in buildings, and by use of pesticides. It is also potentially threatened by wind farms (GMA Europe Workshop, 2006), and deforestation affects the species in some parts of its range (Z. Amr *pers. comm.,* 2005 [in Aulagnier *et al.* (2008e in IUCN, 2009]). However, none of these are considered to be major threats at present (Aulagnier *et al.*, 2008e; IUCN, 2009).

Sherwin *et al.* (2012: 174) report aerial hawking and long-distance dispersal to be risk factors related with climatic change.

CONSERVATION ACTIONS:
Aulagnier *et al.* (2008e) [in IUCN (2009)] report that it is protected by national legislation in a number of range states and receives international legal protection through the Bonn Convention (Appendix II and Eurobats Agreement) and Bern Convention in parts of its range where these apply. It occurs in several protected areas across its range.

GENERAL DISTRIBUTION:
Tadarida teniotis is mainly a Palaearctic species, although the south-eastern edge of its range extends into the Indomalayan region. It is well known in the Mediterranean basin, occuring from Portugal, Spain eastwards through southern Europe to the Balkans, Turkey, Israel, Palestine and Jordan. In North Africa it has been recorded from Morocco, Algeria, Tunisa, Libya and Egypt. It is possibly present on Madeira (to Portugal) as there was a supposed old record, but it has not been recorded from there again. It occurs on all the Canary Islands (to Spain) except for Fuerteventura and Lanzarote. It is also recorded from a number of Mediterranean islands (Hutson, 1999; Simmons, 2005). It occurs from sea level to 3,100 m.

Populations in Japan, Taiwan and Korea are now considered to be a separate species, *T. insignis* (Simmons, 2005).

Native: Afghanistan; Albania; Algeria (Horácek *et al.*, 2000: 136); Andorra; Armenia; Azerbaijan; Bangladesh; Bhutan; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Egypt; France [Corse]; Georgia; Gibraltar; Greece [Kriti]; Holy See (Vatican City State); India; Iran, Islamic Republic of; Iraq; Israel; Italy [Sardegna, Sicilia]; Jordan; Kazakhstan; Kyrgyzstan; Lebanon; Libyan Arab Jamahiriya (Horácek *et al.*, 2000: 136); Macedonia, the former Yugoslav Republic of; Malta; Monaco; Montenegro; Morocco (Benda *et al.*, 2010a: 161; El Ibrahimi and Rguibi Idrissi, 2015: 364); Myanmar; Nepal; Portugal; Russian Federation; San Marino; Saudi Arabia; Serbia; Spain [Baleares, Canary Is.]; Switzerland; Syrian Arab Republic; Tajikistan; Tunisia (Horácek *et al.*, 2000: 136; Dalhoumi *et al.*, 2014: 53; 2016b: 867); Turkey; Turkmenistan; Uzbekistan.
Presence uncertain: China.

ECHOLOCATION:
For 10 Greek specimens, Papadatou *et al.* (2008b: 133) report a start frequency of 15.4 ± 3.28 kHz, a terminating frequency of 11.1 ± 1.34 kHz, a peak frequency of 13.2 ± 1.18 kHz, and a bandwidth of 5.3 ± 1.49 kHz. The duration of the call is 18.4 ± 4.74 msec, and the interpulse interval is 764.6 ± 259.37 msec. Walters *et al.* (2012: suppl.) report the following figures for 35 calls from bats from France, Greece, Italy and Switzerland: duration: 15.03 ± 3.47 msec, F_{max}: 14.61 ± 4.95 kHz, F_{min}: 10.64 ± 1.51 kHz, bandwidth: 3.97 ± 3.76 kHz, F_{peak}: 11.76 ± 2.28 kHz.

In Jordan, Benda *et al.* (2010b: 204) recorded the following parameters for seven calls: F_{start}: 15.7 ± 3.8 (12.4 - 22.6) kHz, F_{end}: 9.8 ± 0.4 (9.4 - 10.5) kHz, F_{peak}: 11.7 ± 0.4 (11.1 - 12.6) kHz, duration: 16.3 ± 2.2 (13.1 - 19.3) msec, and interpulse duration: 571.8 ± 254.6 (163.0 - 800.0) msec.

14 calls from Iranian specimens were reported by Benda *et al.* (2012a: 183): F_{start}:19.0 ± 2.6 (14.1 - 22.2) kHz, F_{end}: 11.8 ± 2.2 (8.9 - 14.2) kHz, F_{peak}: 14.5 ± 1.3 (10.6 - 15.9) kHz, duration: 10.6 ± 0.8 (9.5 - 11.8) msec, and interpulse interval: 368.7 ± 89.8 (266.0 - 484.0) msec.

Hackett *et al.* (2016: 223) recorded 44 calls in Israel with the following values: Pulse duration: 12.17 ± 3.34 msec, F_{start}: 22.73 ± 5.02 (17.5 - 29.2) kHz, F_{end}: 15.90 ± 1.44 (13.1 - 17.5) kHz, F_{peak}: 18.49 ± 1.57 (15.1 - 21.4) kHz.

Disca *et al.* (2014: 226) indicate that in Morocco the type of call is FM-QFC, with the following parameters: F_{start}: 22.3 ± 4.2 kHz, F_{end}: 13.3 ± 0.7 kHz, F_{peak}: 14.4 ± 0.8 kHz, bandwidth: 9.0 ± 3.9 kHz, duration: 18.7 ± 2.7 msec.

MOLECULAR BIOLOGY:
DNA - Unknown.

Karyotype - Đulic and Mrakovcic (1980) reported 2*n* = 48, FN = 76, BA = 30, a submetacentric X chromosome and a subtelocentric Y chromosome for one male from Kroatia. Arroyo Nombela *et al.* (1986), however, reported 2*n* = 48, FN = 78, BA = 32 , a submetacentric X and an acrocentric Y for specimens from Spain. Volleth and Eick (2012: 167) mention 2*n* = 48 and a segment number of 25. The autosomal complement consists of five meta- and submetacentrics, and 19 subtelocentric and acrocentric pairs, of which the smallest is dot-like (Arslan and Zima, 2014: 14). These authors also indicate that the X chromosome was found to be subtelocentric in some studies.

Combining mtDNA fragments, 14 microsatellites and ecological modelling tools, Amorim *et al.* (2017: 38) found three main haplogroups in Mediterranean *T. teniotis*: one restricted to the eastern Mediterranean and two that are widespread across the Iberian Peninsula and Morocco. The nuclear data indicated that the bats from the Canary Islands showed the lowest signs of gene flow with the continental populations. Furthermore, they found that gene flow between Morocco and the central Mediterranean area is higher than that between the Iberian Peninsula and the central Mediterranean.

Protein / allozyme - Unknown.

HABITAT:
In her study on the summer foraging habitats of bats in the Mediterranean region of the Iberian Peninsula, Rainho (2007: 176) found that *T. teniotis* showed low activity over fresh-water habitats, and primarily seemed to use pine-tree woodlands and Mediterranean shrublands. For southern Portugal, Marques *et al.* (2004: 99) reported that *T. teniotis* foraged preferentially over forested areas, particularly pine and cork oak woodlands. They used both alluvial plains and the valleys of a mountainous area, but not its ridges.

HABITS:
In southern Portugal, Marques *et al.* (2004: 99) found that *T. teniotis* is a late emerger, leaving its roost about one hour after sunset. They also found that these bats have only one foraging bout, which lasted on average 6 hours and 39 minutes. Its flight speed can reach over 50 km/h, and flying can be maintained for over 10 hours.

Ancillotto and Russo (2014: 221) found that that *T. teniotis* is able to discriminate between familiar and stranger individuals. They also found that the animals show higher rates of aggressive behaviours towards the strangers. Females show less aggressiveness than males, especially towards other females, and both sexes behave less aggressive towards juveniles.

ROOST:
In Libya, Benda *et al.* (2014c: 119) found a roosting colony in a fissure in the ceiling in the portal of a large, but shallow cave

DIET:
Rydell and Arlettaz (1994: 175) suggest that the intense narrowband echolocation calls with low frequency (11 - 12 kHz) without strong harmonics emitted by *T. teniotis* seems to be a specialization for long-range detection of large, tympanate insects such as Lepidoptera and Neuroptera, which are less well represented in the diet of most other aerial-hawking bats. Based on faecal analyses, they found the following volume percents: southeastern France: Lepidoptera (68.3 %), Neuroptera (24.3 %), others (4.3 %), Acari (0.5 %), and unidentified (2.6 %); Kirghizstan: Lepidoptera (86.8 %), others (12.8 %), unidentified (0.4 %).

Benda *et al.* (2014c: 124) examined four sets of faecal pellets from Libya. Ten pellets from Wadi an Nazrat contained only large moths (Lepidoptera) as did one pellet from the quarry at Wadi al Kuf. Twenty pellets from another location at Wadi al Kuf contained 97 % by volume medium-sized moths and 3 % beetles (Coleoptera). Eight pellets from one animal from Wadi Darnah contained 56 % by volume medium-sized moths and 44 % lacewings (Neuroptera: Chrysopidae).

Benda *et al.* (2012a: 515) indicate that Orthoptera formed the largest contributing group in the diet of *T. teniotis* in Turkey and Jordan. On Rhodes, Coleoptera (especially Curculionidae) formed the most important group. In Iran, Lepidoptera were the most important diet item and Coleoptera, Orthoptera (Ensifera) and Heteroptera also contributed substantially to the diet. Neuroptera (Chrysopidae) and Auchenorrhyncha were almost negligible.

PREDATORS:
In Isreal, Reuven (1991: 79) observed *T. teniotis* being preyed upon by a Lanner Falcon (*Falco biarmicus* Temminck, 1825). Balmori (2012: 9) furthermore reports bats being taken by Peregrine Falcon (*Falco peregrinus* Tunstall, 1771) and Common Kestrel (*Falco tinnunculus* Linnaeus, 1758) as well as by Barn Owl (*Tyto alba* (Scopoli, 1769)) and Tawny Owl (*Strix aluco* Linnaeus, 1758), but also by a Garden Dormouse (*Eliomys quercinus* (Linnaeus, 1766)).
Mikula *et al.* (2016: Supplemental data) mention

the following diurnal avian predators: Lanner falcon (*Falco biarmicus* Temminck, 1825), Peregrine falcon (*Falco peregrinus* Tunstall, 1771) and Eurasian hobby (*Falco subbuteo* Linnaeus, 1758),

POPULATION:
Structure and Density - It is a common species in suitable habitats. Summer and winter colonies typically number 5 - 100 individuals, although colonies of up to 300 - 400 animals have been recorded. It is probably sedentary, although seasonal in some areas (e.g., Malta). It is not abundant in the Caucasus, nor is it highly gregarious - large colonies are not known in this region (K. Tsytsulina *pers. comm.,* 2005 in Aulagnier *et al.*, 2008e [in IUCN, 2009)]). There are only six records for Iran, however, there have not been extensive survey efforts there (M. Sharifi *pers. comm.,* in Aulagnier *et al.*, 2008e [in IUCN, 2009]).
Trend - 2008 - Unknown (Aulagnier *et al.*, 2008e; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 13 years.

REPRODUCTION AND ONTOGENY:
In Spain, Balmori (2003: 37) reported births taking place from the end of June to the beginning of July.

In Portugal, Amorim *et al.* (2015: 228) found that drought had a severe negative influence on the reproduction of *T. teniotis*. This drought probably resulted in reduced food resources early in the pre-breeding season, which limited the ability to restore the bat's body condition after the winter and before the breeding season.

MATING:
In a colony in Valladolid, Spain, Balmori (2003: 37) found that *T. teniotis* bats were organized in 'harems' made up by a dominant male together with a variable number of females. The males were emitting mating calls to attract passing-by females. These harems were formed between August and October. When competitors were present, the males reacted by noisy and fast chasing-flights and the releasing of a strong scent, probably used to mark their territory.

PARASITES:
In Italy, Voyron *et al.* (2011: 193) reported the following fungal entities from live *T. teniois* specimens: *Aspergillus fumigatus var. fumigatus* and *Trichosporon chiropterorum*.

Benda *et al.* (2010b: 315) only found the mite *Parasteatonyssus hoogstraali* Keegan, 1956 parasiting on *Tadarida teniotis* in Jordan. They do report on other ectoparasites found previously: the bat fly *Nycteribia pedicularia* Latreille, 1805 found in Palestine, bat fleas *Araeopsylla wassifi* Traub, 1954 in Turkey and Egypt, *A. gestroi* (Rotschild, 1906) in Lebanon, and a tick *Argas vespertilionis* (Latreille, 1802) in Egypt. Balmori (2012: 9) also mentioned *Steatonyssus periblepharus* Kolenati, 1858, *Ewingana baekelandae* Estrada-Peña, 1992, and unidentified Trombiculidae, as well als the bat bug *Cimex pipistrelli* Jenyns, 1839 and the flea *Araeopsylla gestroi* (Rothschild, 1906).

Parasteatonyssus hoogstraali Keegan, 1956 was already reported by Estrada-Peña and Sanchez (1988: 310) from *T. teniotis* on Frontera, Canary Islands.

The following enteroparasites were reported by Balmori (2012: 9): Trematodes *Plagiorchis vespertilionis* (Müller, 1784), *Prosthodendrium ascidia* (Van Beneden, 1873) and *Lecithodendrium linstowi* Dollfus, 1931; Nematodes: *Molinostrongylus alatus* (Ortlepp, 1932), *Pseudophysaloptera formosana* (Yokogawa, 1922), *Rictularia bovieri* Blanchard, 1886, *Litomosa aelleni* Tibayrenc, Bain & Ramachandran 1979, and further unidentified *Litomosa* sp.

Benda *et al.* (2014c: 124) reported the following ectoparasites from Libya:
Ischnopsyllidae: *Araeopsylla gestroi* (Rothschild, 1906),
Macronyssidae: *Parasteatonyssus hoogstraali* (Keegan, 1956) [1st record from Libya],
Spinturnicidae: *Spinturnix myoti* (Kolenati, 1856).

From Algeria, Bendjeddou *et al.* (2017: 15) reported one ectoparasite: Arachnida: *Ixodes ricinus* (Linnaeus, 1758).

VIRUSES:
Reoviridae
Orthoreovirus
This virus was reported by Kohl and Kurth (2014: 3113) from Italian bats.

Rhabdoviridae
Lyssavirus - Rabies related viruses
European bat lyssavirus 1 was reported by Luis *et al.* (2013: Suppl.), Willoughby *et al.* (2017: Suppl.).

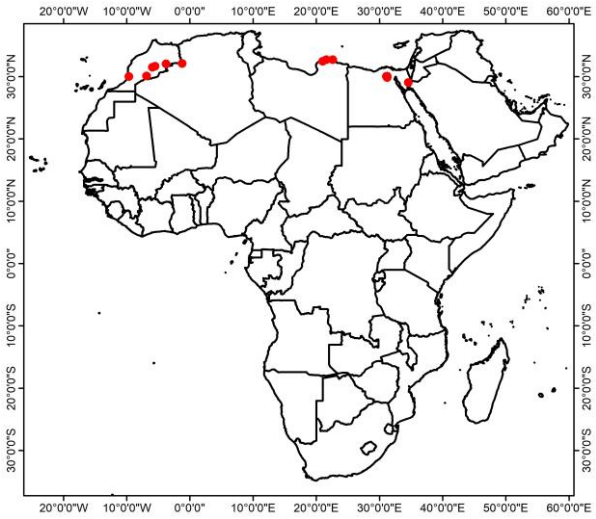

Figure 201. Distribution of *Tadarida teniotis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Algeria, Egypt, Libya, Morocco, Sudan.

Tadarida ventralis (Heuglin, 1861)

*1861. *Nyctinomus (Dysopes) ventralis* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 29 (8): 4, 11. Publication date: 1861. Type locality: Eritrea: Kérén [ca. 15 45 N 38 20 E] [Goto Description]. Lectotype: SMNS 982: ad ♀, skull and alcoholic. Collected by: Martin Theodor von Heuglin; collection date: 1861. See Dieterlen *et al.* (2013: 294), who confirm that the Lectotype status of this specimen was designated by Kock (1975: 6). - Etymology: From the scientific Latin feminine adjective *ventràlis*, meaning "ventral", referring to the presence of a wide, median, prominent orange ventral stripe (see Lanza *et al.*, 2015: 324).

1862. *Nyctinomus ventralis:* Heuglin, Peterm. Geographische Mittheilungen, 8: 26. (Name Combination)

1876. *Nyctinomus africanus* Dobson, Ann. Mag. nat. Hist., ser. 4, 17 (101): 348. Publication date: 1 May 1876. Type locality: South Africa: Transvaal [Goto Description]. Holotype: BMNH 1875.11.19.1: ad ♂, skull and alcoholic. Presented/Donated by: Richard Browdler Sharp[e].

1877. *Dysopes ventralis:* Heuglin, Reise in Nordost Afrika, 2: 26. (Name Combination)

1877. *Nyctinomus [(Nyctinomus)] cestoni* Dobson, Proc. zool. Soc. Lond., 1876, IV: 719. Publication date: April 1877. - Comments: Not of Savi, 1825. In part (see Kock, 1975: 6).

1891. *N(yctinomus) taeniotis* Thomas, Proc. zool. Soc. Lond., 1891, II: 183. Publication date: August 1891. - Comments: Not of Rafinesque, 1814. See Kock (1975: 7).

1901. *N(yctinomus) midas* de Winton, Ann. Mag. nat. Hist., ser. 7, 7 (37): 42. Publication date: 1 January 1901. - Comments: Not of Sundeval. In part. See Kock (1975: 7).

1928. *Mops ventralis:* Thomas, Ann. Mag. nat. Hist., ser. 10, 1 (2): 302. Publication date: 2 February 1928. (Name Combination)

1939. *Mops rüppellii* Allen, Bull. Mus. comp. Zool., 83: 108. - Comments: Not of Temminck, 1827. In part. See Kock (1975: 7).

1951. *Tadarida africana:* Roberts, Mammals of Southern Africa, 101.

1953. *Tadarida (Tadarida) africana:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 66.

1974. *Tadarida (Tadarida) ventralis:* Largen, Kock and Yalden, Mon. Zool. ital., (N.S.) 16 (Suppl. 5): 253. (Name Combination)

2015. *Nyctinomus taeniatus:* Lanza, Funaioli and Riccucci, The bats of Somalia and neighbouring areas, 323. (Lapsus)

? *Tadarida ventralis africana:* (Name Combination)

? *Tadarida ventralis:* (Name Combination, Current Combination)

TAXONOMY:
For use of this name in place of *africana*, see Kock (1975).

COMMON NAMES:
Afrikaans: Transvaalse losstertvlermuis, Reuse losstertvlermuis. Czech: morous africký, tadarida africká. English: Giant Guano Bat, Giant African

Guano Bat, African Giant Free-tailed Bat, Giant African Free-tailed Bat, Transvaal Free-tailed Bat, Giant Free-tailed Bat. French: Tadaride géante d'Afrique, Grande tadaride africaine, Molosse géant. German: Große Bulldoggfledermaus, rothbraune Doggengrämler. Italian: Tadarìda ventràle. Portuguese: Morcego gigante de cauda livre.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Mickleburgh *et al.*, 2008aj; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Mickleburgh *et al.*, 2008aj; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Mickleburgh *et al.*, 2004ao; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - VU D2 ver 3.1 (2001) (Taylor *et al.*, 2016d). 2004 - Considered a vagrant. Not assessed, known from a single locality (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
The threats to this species are poorly known. It may be threatened through the conversion of suitable habitat to agricultural land and the use of pesticides in these modified areas (Mickleburgh *et al.*, 2008aj; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008aj) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further research is needed into the distribution, natural history, and threats to this little-known species.

GENERAL DISTRIBUTION:
Tadarida ventralis is widely distributed in East and Southern Africa. It ranges from Eritrea in the north to Zimbabwe, and northern South Africa, in the south. The westernmost record is from the eastern Democratic Republic of the Congo, close to the border area with Uganda. Most records are from high altitude (1,500 m upwards to 2,500 m asl).

Native: Congo (The Democratic Republic of the); Eritrea; Ethiopia; Kenya; Malawi (Ansell and Dowsett, 1988: 46; Monadjem *et al.*, 2010d: 547); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 547); South Africa (Taylor *et al.*, 2015: 50); Sudan; Tanzania; Zambia (Ansell, 1986; Monadjem *et al.*, 2010d: 547); Zimbabwe (Cotterill, 2004a: 260; Monadjem *et al.*, 2010d: 547).

ECHOLOCATION:
See Taylor *et al.* (2005).

POPULATION:
Structure and Density - It has been rarely recorded and is largely known from single dead individuals (Mickleburgh *et al.*, 2008aj; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008aj; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Eritrea, Kenya, Malawi, South Africa, South Sudan, Tanzania, Zambia, Zimbabwe.

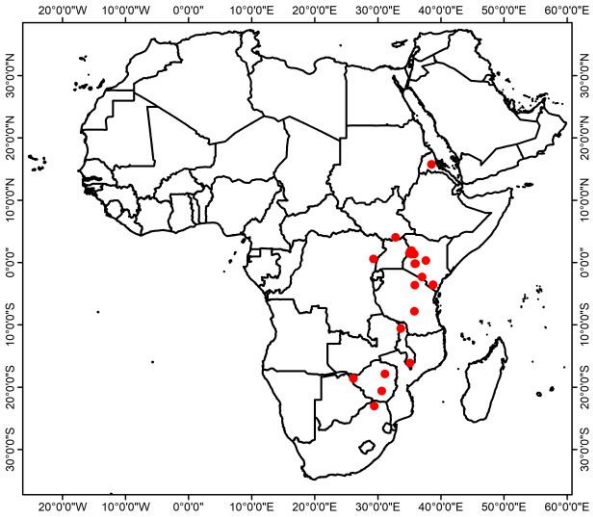

Figure 202. Distribution of *Tadarida ventralis*

Superfamily VESPERTILIONOIDEA Gray, 1821

*1821. *Vespertilionoidea* Gray, London Med. Repos., 15: 299. Publication date: 1 April 1821. (Current Combination)

TAXONOMY:
Currently recognized families within the Superfamily VESPERTILIONOIDEA within Africa: **CISTUGONIDAE** Van Cakenberghe and Seamark, 2011; **MINIOPTERIDAE** Dobson, 1875; **VESPERTILIONIDAE** Gray, 1821.

COMMON NAMES:
Czech: netopýrov ci.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Ravel *et al.* (2011: 402) suggest that affinities such as the closure of the protofossa, the slender lophes, and a tiny metaconule on the upper molars (in the fossil genus *Dizzya* and an unnamed "Eochiropteran" from the El Kohol Formation in Algeria) could support an African endemic radiation of modern Vespertilionoidea.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Morocco, South Sudan.

Family CISTUGONIDAE Lack, Roehrs, Stanley, Ruedi and Van den Bussche, 2010

2008. *Cistugoinae:* Van Cakenberghe and Seamark, African Chiroptera Report, 213. Publication date: 1 July 2008. - Comments: Spelling used for subfamily. (Name Combination, Alternate Spelling)
2010. *Cistugidae:* Lack, Roehrs, Stanley, Ruedi and Van den Bussche, J. Mamm., 91(4): 980. (Alternate Spelling)
2010. *Cistugonidae:* Benda, Vespertilio, 18-19: 271. - Comments: Type genus: Cistugo Thomas, 1912. (Current Combination, Current Spelling)

TAXONOMY:
Stadelmann *et al.* (2004b) showed that the genus *Cistugo* was not placed with the genus *Myotis*, but was basal to the vespertilioid radiation, which is also supported by Horácek *et al.* (2006). For this reason, the ACR (2008, 2009, 2010) recognized representatives of the genus *Cistugo* as a separate distinct subfamily within the Vespertilionidae.
Lack *et al.* (2010: 980) recognized that taxa within this group should be recognized at a family level and suggested the name “Cistugidae”. Benda (2010: 271) and ACR (2011) used a corrected form of the family (or subfamily) name: Cistugonidae (-goninae) - according to the code (genitive from *Cistugo* is Cistugonis, thus Cistugonidae).

Known genera within the family CISTUGONIDAE:
Cistugo Thomas, 1912.

COMMON NAMES:
Czech: žlázokřídlecovití.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The study by Amador *et al.* (2016: 26) supports the long-time separation from the Vespertilionidae, which probably occurred in the early middle Eocene (crown age 43 MYA).

Genus ***Cistugo*** Thomas, 1912

*1912. *Cistugo* Thomas, Ann. Mag. nat. Hist., ser. 8, 10 (56): 205. Publication date: 1 August 1912 [Goto Description]. - Comments: Type species: *Cistugo seabræ* Thomas, 1912. (Current Combination)

TAXONOMY:
Meester *et al.* (1986) included *Cistugo* as a subgenus of *Myotis*. Baker *et al.* (1974) recorded the karyotype of *Myotis* as 2*n* = 44, AA = 50, but Dippenaar *et al.* (1983) gave it as 2*n* = 50, AA= 48 in both *seabrai* and *lesueuri*.

Hayman and Hill (1971) doubt the validity of *lesueuri* and Corbet and Hill (1980) include it in *seabrai*, while Koopman (1982) retain it as a

separate species. It is possible, particularly in view of their allopatric distribution, that *lesueuri* may best be treated as a subspecies of *seabrai*.

Included as subgenus in *Myotis* by Koopman (1993a: 207), but considered a valid genus by Thomas (1915), Roberts (1919), Rautenbach *et al.* (1993), Bickham *et al.* (2004: 333), Stadelmann *et al.* (2004b: 185), and Simmons (2005). Stadelmann *et al.* (2004b: 185) state that it might be possible that the two genera share closer phylogenetic relationships with other families of bats than with the Vespertilionidae.

Lack *et al.* (2010: 980) erected a new family: Cistugoidae (see family account above for information about corrected spelling of family name), containing only the genus *Cistugo* Thomas, 1912, which they separate from the Vespertilionidae by the presence of 2 to 4 glands in the wing membrane immediately behind the forearm (see also Seamark and Kearney, 2006), which are lacking in all other vespertilionoid bats.

Currently recognized species of the genus *Cistugo*: ***lesueuri*** Thomas, 1912; ***seabrae*** Thomas 1912.

COMMON NAMES:
Czech: žlázokřídlecové. English: Wing-gland Bats. German: Mausohren.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Avery (2007: 619) reported on the presence of *Cistugo* sp. in Pleistocene deposits at Wonderwerk Cave, South Africa.

GENERAL DISTRIBUTION:
Seamark *et al.* (2012: 116-117) indicate that the ranges of the two species (*C. seabrae* and *C. lesueuri*) might not be allopatric as previously assumed, but might be overlapping.

Cistugo lesueuri Roberts, 1919

*1919. *Cistugo lesueuri* Roberts, Ann. Transv. Mus., 6(3): 112-113. Type locality: South Africa: SW Cape province: Paarl district: near Paarl, Franschhoek [=Frenchhoek] valley: L'Ormarins [=Lormarins] [33 44 S 18 58 E] [Goto Description]. Holotype: TM 2286: ad ♂, skin and skull. Collected by: J.S. Le Sueur Esq. Collection date: 15 September 1917; original number: 154. - Comments: For details on the type locality, see Meester *et al.*, 1986: 49). - Etymology: Named after J.S. le Sueur of L'Ormarins in the Paarl district, Western Cape, who recovered the original specimen from his cat (see Smithers, 1983: 92; Taylor, 2005). (Current Combination)
? *Myotis (Cistugo) lesueuri:* (Name Combination)
? *Myotis lesueuri:* (Name Combination)

TAXONOMY:

Figure 203. A female *Cistugo lesueuri* (TM 48190) caught at the Farm Schaapplaats, Free State, South Africa.

Hayman and Hill (1971) doubt the validity of *lesueuri* and Corbet and Hill (1980) include it in *seabrae*, while Koopman (1982) retain it as a separate species. It is possible, particularly in view of their allopatric distribution, that *lesueuri* may best be treated as a subspecies of *seabrae*.

COMMON NAMES:
Afrikaans: Lesueur se langhaarvlermuis, Lesueur-langhaarvlermuis, Lesueurse Vlerkkliervlermuis. Czech: žlázokřídlec Lesueurův. English: Lesueur's Wing-gland Bat, Lesueur's Hairy Bat, Lesueur's Myotis, Wing-gland bat. French: Murin de Lesueur. German: Leseuers Mausohr.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs, 2008b; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs, 2008b; IUCN, 2009). 2004 - VU D2 ver 3.1 (2001) (Jacobs, 2004b; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).
Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Avenant *et al.*, 2016b). 2004 - NT ver 3.1 (2001) (Friedmann

and Daly, 2004). 1986 - Indeterminate, assessed as *Myotis lesueuri* (Smithers, 1986).

MAJOR THREATS:
It is locally threatened in parts of its range by conversion of land to agricultural use (Jacobs, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs (2008b) [in IUCN (2009)] reports that *C. lesueuri* is probably present in a number of protected areas and further studies are needed into the distribution and natural history of this bat.

GENERAL DISTRIBUTION:
This species is restricted to South Africa and Lesotho, where its distribution is best predicted by geology (Babiker Salata, 2012: 50). Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 673,792 km^2.

Native: Lesotho (Lynch and Watson, 1990; Lynch, 1994: 192; Monadjem *et al.*, 2010d: 562); South Africa (Free State - Watson, 1998; Monadjem *et al.*, 2010d: 562; KwaZulu Natal - Monadjem *et al.*, 2010d: 562; Western Cape - Herselman and Norton, 1985; Rautenbach *et al.*, 1993; Seamark and Brand, 2005; Monadjem *et al.*, 2010d: 562).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
For 4 specimens from the Algeria Forestry Station (RSA) Schoeman and Jacobs (2002: 157) mention the following parameters: Fa: 36.0 ± 0.4 mm, Wing area: 93.3 ± 1.6 cm^2, Wing span: 23.8 ± 1.1 cm, Wing loading: 7.5 ± 1.4 N/m^2, and aspect ratio: 6.1 ± 0.7.

ECHOLOCATION:
From Algeria Forest Station (RSA), Schoeman and Jacobs (2002: 157) reported the type of calls to be low duty echolocation dominated by frequency modulated calls, with a F_{peak}: 36.8 ± 0.9 kHz.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 50, FN = 48, BA = 0, a submetacentric X chromosome, and an acrocentric Y chromosome, these results were the same as those obtained for *C. seabrae* from Namibia (Rautenbach *et al.*, 1993) .
Protein / allozyme - Unknown.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

Figure 204. Clockwise from top lateral, ventral and dorsal skull images of TM 2286, holotype of *Cistugo lesueuri* Roberts, 1919.

HABITAT:
In the Free State Province of South Africa collected from broken country (e.g. koppies and cliffs), invariably away from human habitation and constructions, but close to open water (dams and streams). While in the Western Cape it inhabits fynbos and possibly the succulent karoo (Jacobs, 2008b; IUCN, 2009).

Cooper-Bohannon *et al.* (2016: Table S2) mention its occurrence in the following habitat types: Afromontane (43 %), High veld (29 %), SW Cape (13 %) and SW arid (11 %).

HABITS:
In the Free State Province of South Africa specimens were netted in the early evening, between 18:30 and 20:00, with only two specimens being caught after 21:15 (Watson, 1998: 128). When distrubed in their day roost they flew to another roost 50 meters away (Watson, 1998: 128).

ROOST:
Found in a crevice roughly four meters from the ground, on a west-facing dolorite rock face next to a river in the Free State Province of South Africa (Watson, 1998: 127).

DIET:
From the Algeria Forestry Station (RSA) Schoeman and Jacobs (2002: 157) reported the

following prey groups based on 39 faecal pellets from 4 bats (in volume percent): Diptera (47.3 ± 37.3), Hemiptera (32.5 ± 22.8), Hymenoptera (6.8 ± 13.5), Coleoptera (6.3 ± 4.9), Trichoptera (2.5 ± 5.0), Ephemenoptera (1.5 ± 3.0), and unknown (3.3 ± 6.5).

POPULATION:
Structure and Density - Common, but not abundant, in the Free State Province of South Africa a group of approximately 40 individuals was located in a day roost (Watson, 1998: 127). Seamark and Brand (2005) showed that this species made up only 4.6% of the over all catch in the Cederberg, Western Cape. This species is very rarely recorded (Jacobs, 2008b; IUCN, 2009). Trend - 2008 - Decreasing (Jacobs, 2008b; IUCN, 2009). 2004 - Decreasing (Jacobs, 2004b; IIUCN, 2004).

VIRUSES:
Bunyaviridae
Phlebovirus
Rift Valley Fever Virus (RVFV) - Oelofsen and Van der Ryst (1999) tested a single individual from one locality in Lesotho for RVFV antigen using an enzyme linked immunosorbet assay (ELISA), none tested positive.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Rabies - Oelofsen and Smith (1993) tested 15 individual brains, from four localities by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

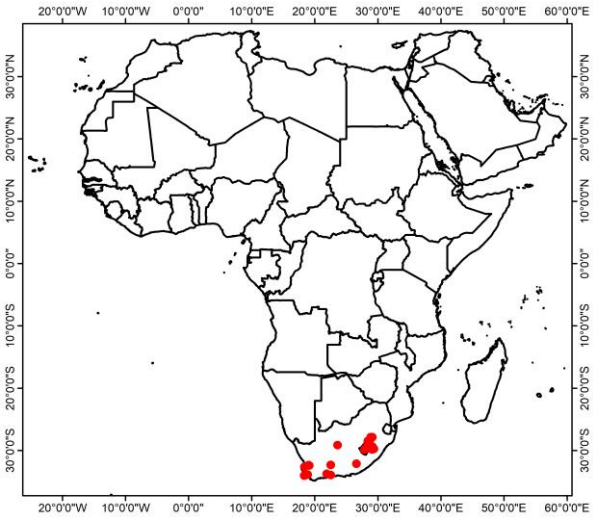

Figure 205. Distribution of *Cistugo lesueuri*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Lesotho, South Africa.

Cistugo seabrae Thomas, 1912

*1912. *Cistugo seabræ* Thomas, Ann. Mag. nat. Hist., ser. 8, 10 (56): 205. Publication date: 1 August 1912. Type locality: Angola: Mossamedes [=Moçamedes] [ca. 15 56 S 12 10 E] [Goto Description]. Holotype: BMNH 1906.1.3.3: ad ♀, skull and alcoholic. Presented by the Lisbon Museum. (Current Combination)
2004. *Myotis (Cistugo) sebrai:* Bickham, Patton, Schlitter, Rautenbach and Honeycutt, Mol. Phylogenet. Evol., 33 (2): 333. (Name Combination, Lapsus)
? *Cistugo seabrae:* (Current Spelling)
? *Cistugo seabrai:* (Name Combination, Alternate Spelling)
? *Myotis (Cistugo) seabrai:* (Name Combination)
? *Myotis seabrae:*
? *Myotis seabrai:* (Name Combination)

TAXONOMY:

Figure 206. A male *Cistugo seabrae* (TM 47582) caught at Khamkirri, Northern Cape, South Africa. Note the gland on the wing.

See Simmons (2005).

COMMON NAMES:
Afrikaans: Angola-langhaarvlermuis, Angolase Vlerkkliervlermuis. Czech: žlázokřídlec Seabrův. English: Seabra's Wing-gland Bat, Angolan Wing-gland Bat, Angolan Hairy Bat. French: Murin d'Angola. German: Angola-Mausohr.

ETYMOLOGY OF COMMON NAME:
The colloquial name is derived from the fact that the original specimen originated from Moçâmedes on the south-western coast of Angola (Taylor,

2005).

CONSERVATION STATUS:
Global - Although this species is known mainly from isolated records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because there are no threats, making it unlikely to be declining fast enough to qualify for listing in a more threatened category (Griffin and Jacobs, 2008; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Griffin and Jacobs, 2008; IUCN, 2009). 2004 - NT ver 3.1 (2001), assessed as *Cistugo seabrai* (Jacobs, 2004a; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - NT D1+D2 ver 3.1 (2001) (Jacobs *et al.*, 2016f). 2004 - VU D2 ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate, assessed as *Myotis seabrai* (Smithers, 1986);

MAJOR THREATS:
There are no major threats to this species. It may be locally threatened by mining operations in a small part of its range (Griffin and Jacobs, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Griffin and Jacobs (2008) [in IUCN (2009)] report that it is not known if there are any direct conservation measures in place for this species, and it is unclear if it occurs within any protected areas. Further studies are needed into the distribution and natural history of this little-known species.

GENERAL DISTRIBUTION:
This southern African species ranges from the type locality of Moçâmedes in southwestern Angola, southwards through western Namibia to the Northern Cape of South Africa.

Native: Angola (Crawford-Cabral, 1989; Thomas, 1912c; Monadjem *et al.*, 2010d: 562); Namibia (Thomas and Hinton, 1925; Shortridge, 1934; Rautenbach *et al.*, 1993; Kearney and Van Schalkwyk, 2009; Monadjem *et al.*, 2010d: 562); South Africa (Herselman and Norton, 1985; Stadelmann *et al.*, 2004b; Seamark and Kearney, 2006; Kearney and Van Schalkwyk, 2009; Monadjem *et al.*, 2010d: 562).

MOLECULAR BIOLOGY:
DNA - Stadelmann *et al.* (2004b).
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 50, FN = 48, BA = 0, a submetacentric X chromosome, and an acrocentric Y chromosome, these results were the same as those obtained for *C. lesueuri* from South Africa (Rautenbach *et al.*, 1993).
Protein / allozyme - Unknown.

HABITAT:
Little is known about the natural history of this species. All of the localities from which they have been collected are arid with a mean annual rainfall of less than 100 mm (Skinner and Chimimba, 2005).

HABITS:
Specimens have usually been caught close to open water and have been observed gleaning insects from orange trees (Roberts, 1951; Taylor, 2000; Skinner and Chimimba, 2005).

POPULATION:
Structure and Density - It appears to be a rarely recorded species (Griffin and Jacobs, 2008; IUCN, 2009).
Trend - 2008 - Unknown (Griffin and Jacobs, 2008; IUCN, 2009). 2004- Decreasing (as *Cistugo seabrai*) (Jacobs, 2004a; IUCN, 2004).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Namibia, South Africa.

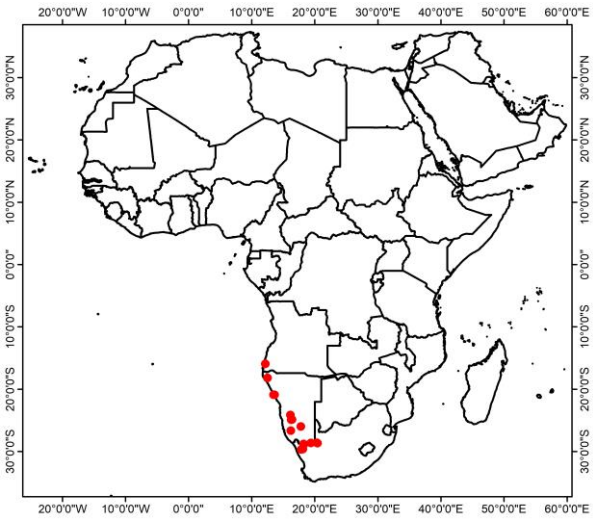

Figure 207. Distribution of *Cistugo seabrae*

†Family INDETERMINATE

†Genus ***Chambinycteris*** Ravel, 2016

*2016. *Chambinycteris* Ravel, in: Ravel et al., Geodiversitas, 38 (3): 356, 402. Publication date: 30 September 2016. - Etymology: Refers to Chambi, the locality where the specimens were collected (see Ravel *et al.*, 2016: 402).

TAXONOMY:
Ravel *et al.* (2016: 358) indicate that this genus has a basal position within the Emballonuridae.

†***Chambinycteris pusilli*** Ravel, 2016

*2016. *Chambinycteris pusilli* Ravel, in: Ravel et al., Geodiversitas, 38 (3): 403. Publication date: 30 September 2016 [Goto Description]. - Etymology: From the Latin "*pusilli*" meaning puny or sickly, referring to the small size and fragility of the species (see Ravel et al., 2016: 403).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe:
Late lower Eocene to early middle Eocene.

†Genus ***Drakonycteris*** Ravel, 2016

*2016. *Drakonycteris* Ravel, in: Ravel *et al.*, Geodiversitas, 38 (3): 356, 399. Publication date: 30 September 2016. - Etymology: From the Greek "*δράκων*" meaning dragon and *"νυκτεριο"* meaning bat (see Ravel *et al.*, 2016: 399).

†***Drakonycteris glibzegdouensis*** Ravel, 2016

*2016. *Drakonycteris glibzegdouensis* Ravel, in: Ravel *et al.*, Geodiversitas, 38 (3): 356, 399, figs 23, 24. Publication date: 30 September 2016. Type locality: Algeria: Béchar province: Gour Lazib: Sahara, Hammada du Dra: Glib Zegdou [29 42 49 N 05 45 58 W] [Goto Description]. - Etymology: Referring to the type locality of Glib Zegbou (see Ravel *et al.*, 2016: 399).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe:
Late lower Eocene to early middle Eocene.

Family MINIOPTERIDAE Dobson, 1875

1875. *Miniopteri* Dobson, Ann. Mag. nat. Hist., ser. 4, 16 (95): 349. Publication date: 1 November 1875.

*1875. *Miniopteridae* Dobson, Ann. Mag. nat. Hist., ser. 4, 16 (95): 348. Publication date: 1 November 1875. - Comments: Type genus: *Miniopterus* Bonaparte, 1837. (Current Combination)

1898. *Miniopterae* Trouessart, Cat. Mamm, p. 134. - Comments: See Taylor (1934).

TAXONOMY:
Bannikova *et al.* (2002: 722) indicate that the Miniopterinae do not deserve the rank of independent family (as did Koopman, 1984b, 1993a, 1994; Yoshiyuki, 1989; Corbet and Hill (1992; McKenna and Bell, 1997), but see Hoofer and Van Den Bussche (2003: 13) who make a strong case for attributing family rank. They follow Mein and Tupinier (1977), Groombridge (1994), Gopalakrishna and Chari (1983), Tiunov (1989), Pierson (1986).

In their study on rolling-circle transposons (*Helitrons*), Thomas *et al.* (2010: 55) found none of these in the Miniopteridae. They also indicated that these *Helitrons* colonized the Vespertilionidae some 30 - 36 mya, which is much later than the split between Vespertilionidae and Miniopteridae, which occurred some 43 million years ago. Patterson and Webala (2012: 32) indicate that the split between Vespertilionidae and *Miniopterus* occurred between 38 and 47 million years ago.

In their study on IUCN distribution maps and species distribution models, Herkt *et al.* (2017: Appendix 4S) left out the Miniopteridae because of their exceptionally high cryptic diversity and level of phenetic similarity, which leads to unreliably identification of large amounts of published records.

Known genera of the family MINIOPTERIDAE: ***Miniopterus*** Bonaparte, 1837.

COMMON NAMES:
Czech: létavcovití, netopýři dlouhorucí. Dutch: Langvleugelvleermuizen. English: Long-fingered Bats. French: Minioptéridés. German: Langflügelfledermäuse. Italian: Miniottèridi, Minioptèridi. Russian: Длиннокрыловые. Vietnamese: Họ dơi cánh.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Amador *et al.* (2016: 26) estimated the split from the Vespertilionidae at c. 48 MYA, and a stem age at 13 MYA.

MOLECULAR BIOLOGY:
Capanna *et al.* (1968: 240) already pointed out that there was a cytotaxonomic difference between the Vespertilioninae and the Miniopterinae, especially in the average length of the aploid female set.

Platt *et al.* (2016: 9) analyzed the genome data for *M. natalensis* and compared it with that of several other vesper bats and they concluded that *Helitrons* and hATs were introduced into the genome of the Vespertilionidae after their divergence from *Miniopterus*.

Genus ***Miniopterus*** Bonaparte, 1837

*1837. *Miniopterus* Bonaparte, Iconografia Fauna italiana, 1, fasc. 20 [Goto Description]. - Comments: Type species: *Vespertilio ursinii* Bonapate, 1837 (=*Vespertilio schreibersii* Kuhl, 1817). - Etymology: From the Greek "*μινύς*" or "*μινός*", meaning small and "*πτέρυξ*", meaning wing, referring to the very short first phalanx of the third and longest finger (see Palmer, 1904: 426; Flannery, 1995a: 374; Kozhurina, 2002: 16). Lanza *et al.* (2015: 328) mention the following: "According to Bonaparte (1837-41) who described the genus and Lanza (2012), *Miniopterus* is a scientific masculine Latin substantive made up of the proper feminine Latin noun *Minyèias* 'Minyad', i. e. a daughter of Minyas, king of Orchomenus, turned into a bat, and of the Greek neuter substantive *πτερόν*" (pteròn) 'wing', meaning 'flying Minyad'. The etymology proposed by Kozhurina (2002), meaning 'with small (narrow) wings', is incorrect, even if formally logical. Also partially erroneous is the etymology given by some Italian dictionaries, such as Battaglia (1978) and Devoto & Oli (1997), who interpret 'minio' as 'minimum, red-lead', the red colouring agent, which obviously has nothing to do with the greyish brown colour of Miniopterus' wings". (Current Combination)

1866. *Miniopteris:* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 91. Publication date: 1 February 1866. - Comments: Variant spelling (Meester *et al.*, 1986: 45). (Alternate Spelling)

1892. *Minyopterus:* Winge, Jordfundne og nulevende Flagermus (Chiroptera) fra Lagoa Santa, Minas Gerais, Brasilien, 36. - Comments: Variant spelling (Meester *et al.*, 1986: 45). (Lapsus)
1900. *Minneopterus:* Lampe, Jb. nass. Ver. Naturkde, 53: Cat. Säugeth.-Sammlung, p. 12. Publication date: 1900. - Comments: Cat. Säugeth.-Sammlung, p. 12. Lapsus (see Allen, 1939a: 102; Meester *et al.*, 1986: 45). (Lapsus)
1920. *Mineopterus:* Haagner, South African Mammals, 22. (Lapsus)
1980. *Minioterus:* Bernard, Ann. Transv. Mus., 32 (3): 55. Publication date: January 1980. (Lapsus)
2014. *Mineropterus:* Kohl and Kurth, Viruses, 6 (8): 3112. Publication date: 13 August 2014. (Lapsus)
2015. *Minioptera:* Golden and Comaroff, Ecol. Soc., 20 (2): 42: 5. (Lapsus)
? *Miniopterus sp.*

TAXONOMY:
Reviewed (in part) by Peterson (1981). See Goodwin (1979: 119), Maeda (1982), and Hill (1983). All have come to very different conclusions. Molecular systematics and biogeography is discussed by Appleton *et al.* (2004); their DNA data (p. 437) suggest that the number of species currently recognized (11 or 13) is a gross underestimate. Phylogentic analyses performed by Christidis *et al.* (2014: 1) indicate that 18 clades are present within Malagasy *Miniopterus* of which only 11 have Latin binominals.

Šrámek *et al.* (2012: 165) investigated the taxonomic status of the bent-winged bats in the western Palaearctic and distinguished four species: *M. schreibersii* (s.str.) from Europe, coastal Anatolia, Levant, Cyprus, western Transcaucasia, and North Africa; *M. pallidus* from inland Anatolia, Jordan, eastern Transcaucasia, Turkmenistan, Iran and southern Afghanistan (Kandahar); a *Miniopterus* sp., recorded from Nangarhar province in eastern Afghanistan, which was tentatively assigned to *M.* cf. *fuliginosus*; and another *Miniopterus* sp. With Afro-tropic affinities confirmed from south-western Arabia and Ethiopia, which tentatively named *M.* cf. *arenarius*. They also indicate that a possible new taxon (subspecies) within *M. schreibersii* exists in the Atlas Mountains of Morocco. Bilgin *et al.* (2013: 21) indicate that this Maghrebian form possibly even represents a new species, which they tentatively call: *M. maghrebensis*.

Known species to the genus *Miniopterus*: ***†horaceki*** Gunnell, Eiting, and Geraads, 1837; ***aelleni*** Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009; ***africanus*** Sanborn, 1936; *australis* Tomes, 1858 – Philippines, Borneo, Java, Timor, Moluccas, southeast to Vanuatu and eastern Australia (Simmons, 2005: 519); ***brachytragos*** Goodman, Maminirina, Bradman, Christidis and Appleton, 2011; ***egeri*** Goodman, Ramasindrazana, Maminirina, Schoeman and Appleton, 2011; ***fraterculus*** Thomas and Schwann, 1906; *fuscus* Bonhote, 1902 – Ryuku Isls (Japan) (Simmons, 2005: 519); ***gleni*** Peterson, Eger and Mitchell, 1995; ***griffithsii*** Goodman, Maminirina, Bradman, Christidis and Appleton, 2009; ***griveaudi*** Harrison, 1959; ***inflatus*** Thomas, 1903; *macrocneme* Revilliod, 1914 – New Guinea to Vanuatu and New Caledonia (Simmons, 2005: 520); *magnater* Sanborn, 1931 – northeastern India, southeastern China, Burma, Thailand, Laos and Vietnam to Malaysia, Sumatra, Java, Timor (Indonesia), Borneo, Moluccas and New Guinea including the Bismarck Arch. (Simmons, 2005: 520); ***mahafaliensis*** Goodman, Bradman, Christides and Appleton, 2009; ***majori*** Thomas, 1906; ***manavi*** Thomas, 1906; *medius* Thomas and Wroughton,1909 – southeastern China, Thailand, western Malaysia, Borneo, Java, Sulawesi, Philippines, New Guinea (Simmons, 2005: 520); ***minor*** Peters, 1867; ***natalensis*** (A. Smith, 1834); *paululus* Hollister, 1913 – Majuyod, Negros and Guimarás Isl (Philippines), Berneo, Selaru (Simmons, 2005: 521); ***petersoni*** Goodman, Bradman, Maminirina, Ryan, Christidis and Appleton, 2008; *pusillus* Dobson, 1876 – India, Nepal and Burma to Sumatra and Timor (Indonesia), Philippines and Moluccas (Simmons, 2005: 520); *robustior* Revilliod, 1914 – Loyalty Isls (east of New Caledonia) (Simmons, 2005: 521); ***schreibersii*** (Kuhl, 1817); *shortridgei* Laurie and Hill, 1957 – Java, Madura, Lombok, Sumbawa, Moyo, Alor, Wetar, Seralu, Timor, Semau, Roti and Savu Isls (Indonesia) (Simmons, 2005: 522); ***sororculus*** Goodman, Ryan, Maminirina, Fhar, Christidis and Appleton, 2007; *tristis* (Waterhouse, 1845) – Philippines, Sulawesi, Sanan Isl, New Guinea, Bismarck Arch., Solomon Isls, New Hebrides (Simmons, 2005: 522).

The 18 Malagasy clades recovery by Christidis *et al.* (2014) in their phylogenetic analysis were divided in into five primary lineages (representing sister species): (1) *M. griveaudi*; (2) *M. mahafaliensis, M. sororculus* and X3; (3) *M. majori,*

M. gleni and *M. griffithsi*; (4) *M. brachytragos; M. aelleni* A, and *M. aelleni* B, and (5) *M. manavi* and *M. petersoni*. These are in turn linked to a group comprising *M. egeri* and five genetically distinct populations referred to as P3, P4, P5, P6 and P7.

COMMON NAMES:
Czech: létavci, netopýři dlouhorucí. English: Long-fingered Bats, Bent-winged Bats. French: Minioptères. German: Langflügelfledermäuse, Sackfledermaus.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
The oldest fossil remains for *Miniopterus* date from some 13.65 million years ago (see Shi and Rabosky, 2015: 1532).

Butler (1978) refers to African material of this genus, found from the early Pleistocene at Olduvai, and Avery (2007: 619) reported on the presence of *Miniopterus* sp. in Pleistocene deposits at Wonderwerk Cave, South Africa. Geraads *et al.* (2010: 279) reported *Miniopterus* in Late Cenozoic (ca. 2.5 MYA) deposits in Ahl al Oughlam, Morocco.

Weyeneth (2010) suggested that Malagasy *Miniopterus* colonized the Comoros during the Pleistocene, favored by prevailing winds.

BIOGEOGRAPHY:
Weyeneth *et al.* (2008) suggest that the Comoros were colonized independently at least two or three times by ancestors from Madagascar.

DETAILED MORPHOLOGY:
Brain - Maseko and Manger (2007) describe the nuclear parcellation and neuronal morphology of the cholinergic, catecholaminergic and serotonergic systems within the brain of six adult female *Miniopterus schreibersii* [possibly *M. natalensis* or *M. fraterculus*, not *Miniopterus schreibersii*], captured from caves in northwest region of Gauteng Province, South Africa.

SEXUAL DIMORPHISM:
Goodman and Maminirina (2007) found no notable evidence for sexual dimorphism in Malagasy *Miniopterus* spp.

ECHOLOCATION:
Bioacoustic data of 11 Malagasy (Madagascar and the Comoros) has been collected and investigated by Ramasindrazana *et al.* (2011).

PARASITES:
BACTERIA
Bartonellae
Bartonella - Kosoy *et al.* (2010: 1877) reported a prelevence of *Bartonella* spp. in *Miniopterus* sp. from Kenya of 22/105 (21.0 %) cultured from blood samples. Fifty-one *Bartonella* spp. *gltA* sequences were obtained from 3 identified species of *Miniopterus* (*africanus, minor, natalensis*), were 24 unique *gltA* genotypes representing at least 3 genogroups (Kosoy *et al.*, 2010: 1878). See also Kosoy (2010: 719) for further information.

ACARI
Fain (1994: 1280) reported the genus *Calcarmyobia* (Myobiidae) to occur only on bats of the genus *Miniopterus* with 18 species and 8 subspecies.
Trombigastia (Trombigastia) cadei (Vercammen-Grandjean and Brennan, 1957) (Trombiculidae) was reported by Vercammen-Grandjean and Fain (1958: 26) on *Miniopterus* sp. specimens from N'Gong, S Kenya.

Uchikawa (1985c: 110) reported the presence of *Pteracarus miniopteri* Uchikawa, 1978 from *Miniopterus* sp. specimens from Madagascar, Central Africa, Cameroon, Kenya (Mombasa), South Africa (Transvaal).

DIPTERA
Streblidae: *Raymondiodes leleupi* Jobling, 1954 described form a poorly identified bat (*Hipposideros caffer* or *Miniopterus* sp.) from Thysville, Congo (Haeselbarth *et al.*, 1966: 104). *Nycteribosca kollari* Frauenfeld, 1855 was reported by Vermeil (1960) from Tunisia.

Nycteribiidae: *Nycteribia tecta* Theodor, 1957 (Haeselbarth *et al.*, 1966: 110). Duron *et al.* (2014: 2108) mention the presence of *Nycteribia stylidiopsis* (Speiser, 1908) on *Miniopterus* sp. from the Comoros, and of *Penicillidia leptothrinax* (Speiser, 1908) from Madagascar.

SIPHONAPTERA
Ischnopsyllidae: Members of the genus *Rhinolophopsylla* Oudemans, 1909 are known to be parasites of *Miniopterus* and *Rhinolophus* (Haeselbarth *et al.*, 1966: 191).

VIRUSES:
Adenoviridae
These viruses were found by Waruhiu *et al.* (2017) in bats from Kenay.

Coronaviridae
18 out of 300 Kenyan *Miniopterus* bats tested by Tao *et al.* (2017: Suppl.) was positive for CoV (6 %).

Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that 13 out of 77 examined Kenyan *Miniopterus* sp. specimens tested positive for *Paramyxovirus* sequences. This was also the case for two out of 41 specimens

from the DRC.

Retroviridae
Farkašová *et al.* (2017: 3145) described an endogenous Deltaretrovirus, which only occurs in this family of bats and not in the closely related Vespertilionidae and Cistugonidae. This suggests that the endogenization occurred between 20 and 45 million years ago.

Rhabdoviridae
Lyssavirus - Rabies related viruses
West Caucasian Bat virus (WCBV) - Kuzmin *et al.* (2008b) detected WCBV in four of five localities sampled in Kenya with a seroprevalence of 17-26%.
Horton *et al.* (2014: Table S1) tested 229 Kenyan *Miniopterus* sp. specimens, but failed to find neutralising antibodies to IKOV (Ikoma lyssavirus). Duvenhage lyssavirus (DUVV) - Banyard A. C. and Fooks A. R. (2017: 18) reported this virus from *Miniopterus* sp. specimens from South Africa and Kenya.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Angola, Comoros, Ethiopia, Gabon, Kenya, Madagascar, Mozambique, South Africa, South Sudan, Tanzania, Tunisia, Zambia, Zimbabwe.

†***Miniopterus horaceki*** Gunnell, Eiting, and Geraads, 2011

*2011. *Miniopterus horaceki* Gunnell, Eiting, and Geraads, N. Jb. Geol. Paläont. Abh., 260 (1): 63, figs. 3B, 7C, 8D-F. Publication date: January 2011. Type locality: Morocco: Ahl al Oughlam [ca. 33 35 N 07 30 W] [Goto Description]. Holotype: INSAP AaO 4605. Right dentary with p2-p4, m1 trigonid. - Etymology: In honour of Ivan Horácek, in recognition of his many contributions to the understanding of the evolutionary history of bats, and especially of vespertilionids (see Gunnell *et al.*, 2011: 63). (Current Combination)

TAXONOMY:
Gunnell *et al.* (2011: 63) describe it as larger than nearly all extant African and European *Miniopterus* species (including *M. gleni, M. inflatus, M. newtoni, M. fraterculus, M. natalensis, M. manavi, M. noreenae, M. minor, M. williamsi,* and *M. schreibersi*). Generally similar in size to *M. africanus* but differs in having p3-4 relatively broader and more exodaenodont, p3 larger than p2, and in having relatively taller lower premolars. Larger than *M. schreibersi* with p2 smaller compared to p3, but *M. schreibersi* does possess relatively broad premolars similar to the Moroccan species.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Libya.

Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009

*2009. *Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, Zool. Scr., 38 (4): 339, 353, figs. 3d, 3e, 4, 7 - 10. Publication date: 22 June 2009. Type locality: Madagascar: Antsiranana province: Ankarana special reserve, Canyon d'Antsiroandoa Centre,: 6.2 km NW Mahamasina [12 55.1 S 49 07.6 E, 120 m] [Goto Description]. Holotype: FMNH 173067: ad ♂, skull and alcoholic. Collected by: Vola Razakarivony and Scott G. Cardiff; collection date: 8 April 2002; original number: SMG 12809. See Goodman and Cardiff (2004: 230). Paratype: FMNH 173069: ad ♀, skull and alcoholic. Collected by: Vola Razakarivony and Scott G. Cardiff; collection date: 8 April 2002; original number: SMG. See Goodman and Cardiff (2004: 230). Paratype: FMNH 173070: ad ♀, skull and alcoholic. Collected by: Vola Razakarivony and Scott G. Cardiff; collection date: 8 April 2002; original number: SMG. See Goodman and Cardiff (2004: 230). Paratype: FMNH 173072: ad ♂, skull and alcoholic. Collected by: Vola Razakarivony and Scott G. Cardiff; collection date: 8 April 2002; original number: SMG. See Goodman and Cardiff (2004: 230). Paratype: FMNH 173075: ad ♂, skull and alcoholic. Collected by: Vola Razakarivony and Scott G. Cardiff; collection date: 8 April 2002; original number: SMG. See Goodman and Cardiff (2004: 230). Paratype: FMNH 173076: ad ♂, skull and alcoholic. Collected by: Vola Razakarivony and Scott G. Cardiff; collection date: 8 April 2002; original number: SMG. See Goodman and Cardiff (2004: 230). - Etymology: The name *aelleni* is a patronym for Villy Aellen (1926 - 2000) who was a mammalogist at the Muséum d'histoire naturelle de Genève from 1954 to his retirement in 1989, where he also served as curator, assistant director, and director (Mahnert, 2000; Goodman *et al.*, 2009a: 353). (Current Combination)

TAXONOMY:
See Goodman *et al.* (2009a).

Schoeman *et al.* (2014: 19) refer to Christidis *et al.* (2014) indicating that - from a phylogenetic species perspective - there is evidence that two sister species are present, which are tentatively named: *M. aelleni* A and *M. aelleni* B.

COMMON NAMES:
Czech: létavec Aellenův. English: Aellen's Long-fingered Bat. German: Aellens Langflügelfledermaus.

ETYMOLOGY OF COMMON NAME:
In honour of Villy Aellen (1926 - 2000), who was a mammalogist at the Muséum d'histoire naturelle de Genève from 1954 to his retirement in 1989, where he also served as curator, assistant director, and director. He devoted much of his professional interests to the study of bats, particularly those of Africa (see Goodman *et al.*, 2009a: 353).

GENERAL DISTRIBUTION:
Lowland portions of northern and western Madagascar (Goodman *et al.*, 2009a; Schoeman *et al.*, 2014: 28). Schoeman *et al.* (2014: 31) assigned *M. aelleni* A to the western or dry deciduous region bioclimatic zone, whereas *M. aelleni* B was classified to the humid forest region.

O'Brien (2011: 289) reports it also from the Comoros.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Goodman *et al.* (2009a).

DENTAL FORMULA:
$^{2123}/_{3133}$ = 36.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Goodman *et al.* (2009a).

ECHOLOCATION:
Kofoky *et al.* (2009: 382) reported the calls as *M. manavi sen lat.*, these calls were broadband FM/QCF sweeps produced at low duty cycle with most energy at about 58.1 kHz in the fundamental, with pulses having a short duration of about 4 ms. Ramasindrazana *et al.* (2011: 294) recorded 19 calls from 7 *Miniopterus aelleni* specimens, and found the following echolocation call values: Frequency of maximum energy: 51.9 ± 1.57 (49.5 - 54.8) kHz, Maximum frequency: 99.8 ± 8.48 (75.0 - 119.0) kHz, Minimum frequency: 48.0 ± 1.43 (46.0 - 50.0) kHz, Call duration: 4.1 ± 0.65 (3.0 - 5.0) ms, Inter pulse interval: 87.3 ± 16.75 (61.0 - 118.5) ms.

MOLECULAR BIOLOGY:
DNA - See Goodman *et al.* (2009a).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
Dammhahn and Goodman (2013: 108) mention the lower portion of forest structure and partially open areas as the foraging habitat for this species.

Also see Goodman *et al.*, 2009a).

ROOST:
See Goodman *et al.* (2009a).

POPULATION:
Structure and Density - See Goodman *et al.*, 2009a).

PARASITES:
Tortosa *et al.* (2013: 4) report the presence of the Nycteribiid bat fly *Nycteribia stylidiopsis* Speiser, 1908 and Wilkinson *et al.* (2016) report *Penicillidia leptothrinax* Speiser, 1908. Ramasindrazana *et al.* (2017: Suppl.) report both flies.

Ramasindrazana *et al.* (2016: 6) reported the presence of *Litosoma* Clade 3 (Nematoda: Onchocercidae) on this bat species. They also mention *Litosoma goodmani* Martin, Bain, Jouvenet, Raharimanga, Robert & Rousset, 2006 from a *M. aelleni* specimen, that was previously identified as "*M. manavi*".

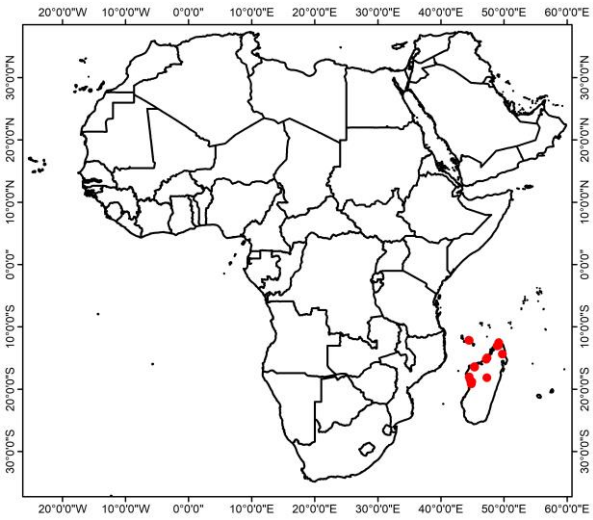

Figure 208. Distribution of *Miniopterus aelleni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Comoros, Madagascar.

Miniopterus africanus Sanborn, 1936

*1936. *Miniopterus africanus* Sanborn, Field Mus. Nat. Hist., Zool. Ser., (362) 20 (14): 111. Publication date: 15 August 1936. Type locality: Ethiopia: Shoa province: Mulo, Sanford's Ranch [ca. 09 00 N 39 00 E, 8000 ft] [Goto Description]. Holotype: FMNH 28769: ad ♀, skin and skull. Collected by: Alfred Marshall Bailey; collection date: 25 October 1926; original number: 73. (Current Combination)
? *Miniopterus inflatus africanus:* (Name Combination)

TAXONOMY:
Included in *inflatus* by Koopman (1993a: 230), but considered a valid species by Peterson *et al.* (1995: 120), Lavrenchenko *et al.* (2004b: 144), Simmons (2005).

COMMON NAMES:
Czech: létavec východoafrický. English: African Long-fingered Bat. French: Minioptère d'Afrique orientale. German: Afrikanische Langflügelfledermaus.

CONSERVATION STATUS:
Global - LC ver 3.1 (2001) (IUCN, 2004; Schlitter, 2004h).

GENERAL DISTRIBUTION:
Native: Botswana; Eritrea; Ethiopia; Kenya; Namibia; Tanzania.

PARASITES:
Lutz *et al.* (2016: 9) examined 20 *M. africanus* specimens from East Africa and found four of them infected with the haemosporidan parasite *Polychromophilus melanipherus* Dionisi, 1899.

Uchikawa (1985a: 19) reported that the type specimen of *Miniopterus africanus* harboured the "atypical" form of *Calcarmyobia congoensis* Uchikawa, 1982 (Acari: Myobiidae). This species is also a host of *Calcarmyobia kenyaensis* Uchikawa, 1982 in Kenya (see Uchikawa (1985a: 22) as *M. inflatus africanus*). Possibly some other records mentioned by Uchikawa (1985a: 22) as collected from *M. inflatus* from Cameroon, Liberia, and The Democratic Republic of Congo should be included here.
Uchikawa (1985c: 110) also reported on the presence of the mite *Pteracarus miniopteri* Uchikawa, 1978 on some specimens from Kenya, that were identified as *M. inflatus africanus*.
Tortosa *et al.* (2013: 5) and Ramasindrazana *et al.* (2017: Suppl.) mention this species as host for the Nycteribiid bat flies *Nycteribia schmidlii* Schiner, 1853 and *Pencillidia fulvida* Bigot, 1885.

DIPTERA:
Streblidae: *Raymondia intermedia* Jobling, 1936 (Shapiro *et al.*, 2016: 255). *Raymondia seminuda* Jobling, 1954 (Shapiro *et al.*, 2016: 255).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - Tong *et al.* (2009) tested 1 bat collected in Kenya during 2006 positive for the presence of coronavirus RNA in a fecal sample. One Kenyan bat tested by Tao *et al.* (2017: Suppl.) was negative for CoV.

Polyomaviridae:
Polyomavirus - Of the nine specimens tested from the Chyulu National Park (Kenya), one tested positive (Conrardy *et al.*, 2014: 259).

Rhabdoviridae:
Rhabdovirus - One of the nine specimens tested from the Chyulu National Park (Kenya) tested positive (Conrardy *et al.*, 2014: 259).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Eritrea, Ethiopia, Kenya, Mozambique, Somalia.

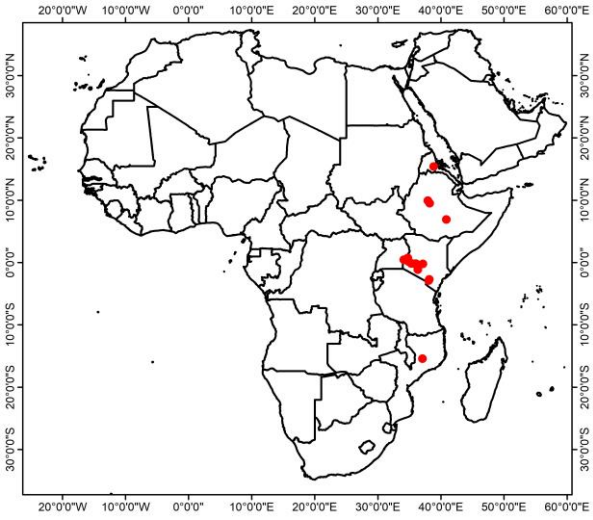

Figure 209. Distribution of *Miniopterus africanus*

Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015

*2015. *Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton,

Zootaxa, 3936 (4): 538, 543, figs 2 - 5. Publication date: 23 March 2015. Type locality: Madagascar: Province d'Antsiranana: Parc National de la Montagne d'Ambre: Joffreville (Ambohitra), 5.5 km SW: Station Forestière des Roussettes [12 31 37.3 S 49 10 19.1 E, 1000 m] [Goto Description]. Holotype: FMNH 202450: ad ♂, skull and alcoholic. Collected by: Steven M. Goodman; collection date: 9 May 2009; original number: SMG 16169. - Etymology: The name *ambohitrensis* is derived from the geographical name of the type locality, which in Malagasy is Ambohitra and in French is Montagne d'Ambre. The nearby village of Joffreville is also referred to as Ambohitra. In the Malagasy language, the root word of Ambohitra is *vohitra* meaning mountain or highlands, giving an ecological context to the specific epithet of this bat, which occurs at higher elevations.

COMMON NAMES:
English: Montagne d'Ambre Long-fingered Bat. French: Minioptère de Montagne d'Ambre.

PARASITES:
Wilkinson *et al.* (2016) report the presence of *Penicillidia leptothrinax* on "*Miniopterus* cf. *ambohitrensis*".

VIRUSES:
Paramyxoviridae
Mélade *et al.* (2016b: 4) found one out of 19 *M.* cf. *ambohitrensis* specimens they tested to be infected with paramyxoviruses.

Rhabdoviridae
Four out of 15 *M.* cf. *ambohitrensis* specimens tested by Mélade *et al.* (2016a: 6) showed a reaction against *Duvenhage Lyssavirus*.

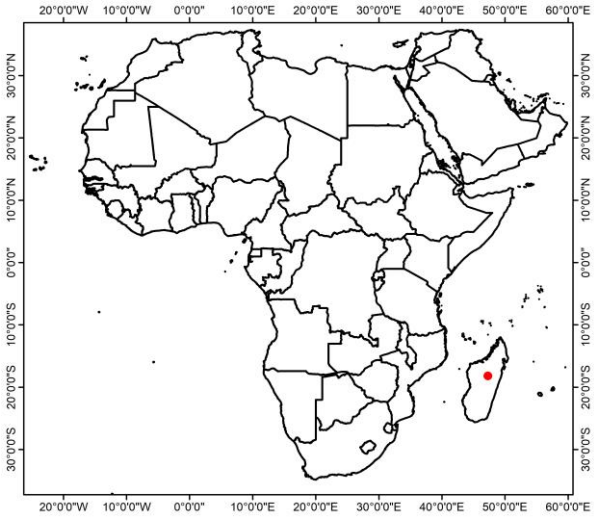

Figure 210. Distribution of *Miniopterus ambohitrensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009

*2009. *Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton, Am. Mus. Novit., 3669: 1, 9, figs 3, 4A–C, 5. Publication date: 30 November 2009. Type locality: Madagascar: Province de Mahajanga: Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National]: Forêt d'Ambovonomby: 26 km NW Andranomavo [16 28.2 S 45 20.9 E, 200 m] [Goto Description]. Holotype: FMNH 175840: ad ♀, skull and alcoholic. Collected by: Steven M. Goodman; collection date: 9 October 2002; original number: SMG 13040. Paratype: FMNH 172685: collection date: 5 November 2001. Collected in Antsiranana Province, Forêt de Binara, near Analamazava River, 7.5 km SW Daraina (village), 13°15.3'S, 49°37.0'E, 325 - 600 m. Paratype: FMNH 172686: collection date: 5 November 2001. Collected in Antsiranana Province, Forêt de Binara, near Analamazava River, 7.5 km SW Daraina (village), 13°15.3'S, 49°37.0'E, 325 - 600 m. Paratype: FMNH 172867: collection date: 2 December 2001. Collected at the Parc National de Bemaraha, south bank Manambolo River, near Tombeau Vazimba, 3.5 km E Bekopaka, 19°08.4'S, 44°49.7'E, 100 m. Paratype: FMNH 175846: collection date: 9 - 10 October 2002. same locality as holotype. Paratype: FMNH 175847: collection date: 9 - 10 October 2002. same locality as holotype. Paratype: FMNH 175850: collection date: 9 - 10 October 2002. same locality as holotype. Paratype: FMNH 175851: collection date: 9 - 10 October 2002. same locality as holotype. Paratype: FMNH 175852: collection date: 9 - 10 October 2002. same locality as holotype. Paratype: FMNH 175856: collection date: 9 - 10 October 2002. same locality as holotype. Paratype: FMNH 175864: collection date: 11 October 2002. Collected just outside limit of Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], along Ampandra River, 22 km NW Andranomavo, 16°26.4429'S, 45°24.723'E, 120 m. Paratype: FMNH 175865; collection date: 11 October 2002. Collected just outside limit of Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], along Ampandra River, 22 km

NW Andranomavo, 16°26.4429'S, 45°24.723'E, 120 m. Paratype: FMNH 175867: collection date: 11 October 2002. Collected just outside limit of Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], along Ampandra River, 22 km NW Andranomavo, 16°26.4429'S, 45°24.723'E, 120 m. Paratype: FMNH 175869: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175870: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175871: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175872:;collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175873: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175874: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175875: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175877: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175879: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175880: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175881: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175882: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175883: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175884: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 175885: collection date: 14 - 15 October 2002. Collected at the Réserve Naturelle Intégrale de Namoroka [status subsequently changed to Parc National], near source of Mandevy River, 32 km NW Andranomavo, 16°22.8'S, 45°20.7'E, 100 m. Paratype: FMNH 188651: collection date: 14 February 2006. Collected in Antsiranana Province, Nosy Komba, 0.9 km SW Ampangorinana, on trail to Station Forestière d'Antanampoera, 13°26.835'S, 48°20.466'E, 100 m. Paratype: FMNH 202523: collection date: 26 November 2007. Collected in Toamasina Province, Masoala Peninsula, 1.8 km S Ambanizana (village), 15°38.291'S, 49°57.944'E, 5 m. - Etymology: From the Greek *brachys* ("short") and *tragos*, meaning "goat," a word ultimately borrowed into New Latin to mean "tragus," and has been chosen as this taxon is easily distinguished from its congeners by its diminutive tragus (see Goodman *et al.*, 2009c: 17).. (Current Combination)

COMMON NAMES:
German: Namoroka-Langflügelfledermaus.

GENERAL DISTRIBUTION:
Occur on Madagascar, from the Masoala Peninsula in the northeast, the Daraina region in the central northeast, and in the karstic zones of the Namoroka and Bemaraha massifs, as well as on the island of Nosy Komba (see Goodman *et al.*, 2009c: 11).

Schoeman *et al.* (2014: 28, 31) found the most suitable area for this species to be located in the northwestern part of the island (western or dry deciduous region).

ECHOLOCATION:
Ramasindrazana *et al.* (2011: 294) recorded 30 calls from 8 *Miniopterus brachytragos* specimens, and found the following echolocation call values: Frequency of maximum energy: 59.0 ± 1.06 (57.3 - 61.7) kHz, Maximum frequency: 105.8 ± 11.20 (85.0 - 128.0) kHz, Minimum frequency: 55.7 ± 0.84 (54.0 - 57.0) kHz, Call duration: 3.4 ± 0.49 (2.6 - 4.3) ms, Inter pulse interval: 84.6 ± 18.99 (56.1 - 122.5) ms.

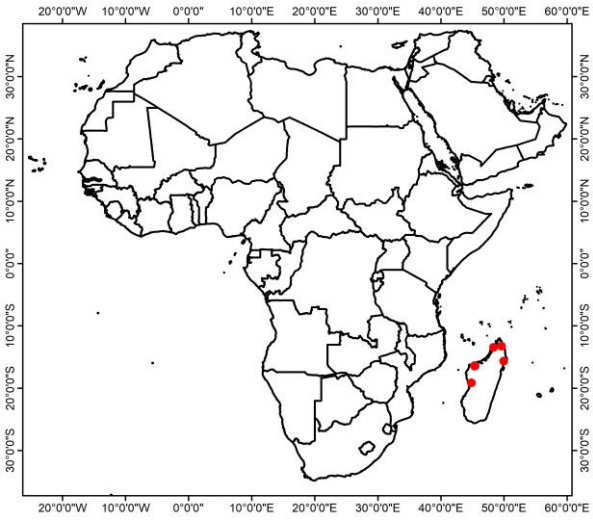

Figure 211. Distribution of *Miniopterus brachytragos*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011

*2011. *Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, Zootaxa, 2880: 1, 9, figs 3, 4, 5A, 6, 7. Publication date: 17 May 2011. Type locality: Madagascar: Toamasina Province: Sahafina forest: Brickaville, 9.5 km W [18 48 37 S 48 58 48 E, 50 m] [Goto Description]. Holotype: FMNH 209160: ad ♀, skull and alcoholic. Collected by: Steven M. Goodman and Beza Ramasindrazana; collection date: 5 December 2009; original number: SMG 16602. - Etymology: in honor of Dr. Judith Eger, Senior Curator, Department of Mammalogy, Royal Ontario Museum, Toronto, for her contribution to taxonomic studies of Old World bats, including Madagascar (see Goodman *et al.*, 2011: 13). (Current Combination)

COMMON NAMES:
English: Eger's long-fingered bat. French: Minioptère d'Eger. German: Eger-Langflügelfledermaus.

GENERAL DISTRIBUTION:
Based on current knowledge it is known from scattered sites occuring across two-thirds of Madagascar's lowland area from near sea level to 550 m (Goodman *et al.*, 2011: 15).

Schoeman *et al.* (2014: 28, 31) found the most suitable area for this species to be located in the eastern coastal part of the island (eastern humid forest or lowland forest region - humid).

Native: Madagascar (Goodman *et al.*, 2011: 15).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 63) could not find a baculum in the one specimen they examined.

ECHOLOCATION:
Low-duty cycle, frequency modulated/quasi constant (FM/QCF) echolocation call, with a peak frequency of 54.7 kHz (53.2 - 56.3 kHz) and a duration of 2.9 ms (2.5 - 3.4 ms) (Goodman *et al.*, 2011: 8).
Ramasindrazana *et al.* (2011: 294) recorded 16 calls from 2 *Miniopterus egeri* specimens, and found the following echolocation call values: Frequency of maximum energy: 54.7 ± 1.02 (53.2 - 56.3) kHz, Maximum frequency: 113.8 ± 3.62 (107.0 - 123.0) kHz, Minimum frequency: 49.0 ± 0.52 (48.0 - 50.0) kHz, Call duration: 2.9 ± 0.26 (2.5 - 3.4) ms, Inter pulse interval: 62.6 ± 12.57 (43.2 - 81.1) ms.

HABITAT:
Often associated with disturbed forests with mixed native and introduced trees or at the ecotone

between degraded anthropogenic habitats and native forest (Goodman *et al.*, 2011: 15).

ROOST:
A day roost site of this species was found in a natural rock shelter in the Poste Forestier de Farankaraina surrounded by slightly disturbed natural lowland humid forest (Goodman *et al.*, 2011: 15).

DIET:
Rasoanoro *et al.* (2015: 63, 64) found that the diet of *M. egeri* mainly consisted of Coleoptera (51.5 vol %), Hymentoptera (28 %), Lepidoptera (10.8 %), and Isoptera (9.7 %).

POPULATION:
Structure and Density - Further information is needed (Goodman *et al.*, 2011: 15).
Trend - In the short term this species does not appear to face a risk of dramatic population decline (Goodman *et al.*, 2011: 15).

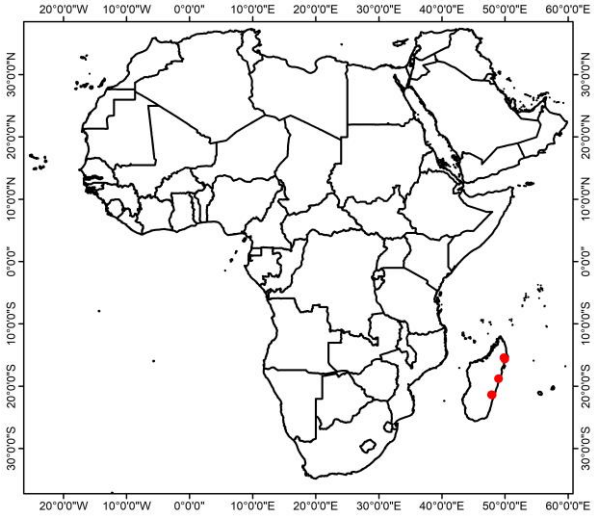

Figure 212. Distribution of *Miniopterus egeri*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Miniopterus fraterculus Thomas and Schwann, 1906

*1906. *Miniopterus fraterculus* Thomas and Schwann, Proc. zool. Soc. Lond., 1906, I: 162. Publication date: 7 June 1906. Type locality: South Africa: Southern Cape Province: Knysna [33 53 S 22 59 E] [Goto Description]. Holotype: BMNH 1905.5.7.18: ad ♂, skin and skull. Collected by: Captain Claude Henry Baxter Grant; collection date: 3 October 1905; original number: 1073. See Thomas and Schwann (1906a: 162). - Comments: Coordinates mentioned as 35 56 S 23 06 E by Thorn *et al.* (2009: 49). - Etymology: From the Latin meaning "little brother" (see Goodman *et al.*, 2007b: 1222). (Current Combination)

1917. *Miniopterus breyeri vicinior* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 450. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Aba [03 53 N 30 17 E] [Goto Description]. Holotype: AMNH 49019: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 16 December 1911; original number: 1770. See Allen (1917: 450). - Comments: Considered a subspecies of *fraterculus* by Thorn *et al.* (2009: 49).

1978. *M[iniopterus] fraterreulus:* Herzit-Straschil and Robinson, Koedoe, 21: 104. (Lapsus)

? *Miniopterus cf. fraterculus:*

? *Miniopterus fraterculus fraterculus:* (Name Combination)

TAXONOMY:
Meester *et al.* (1986) state that Harrison and Clancey (1952) and Harrison (1953) have demonstrated that Ellerman *et al.* (1953) are mistaken in regarding *fraterculus* as a synonym of *M. schreibersii natalensis*. Koopman (1966) regards *fraterculus* instead as a subspecies of the extralimital (to southern Africa) *M. minor* Peters, 1867, but Hayman and Hill (1971) disagree. Corbet and Hill (1980) retain *fraterculus* as species, as do Swanepoel *et al.* (1980) and Koopman (1982).

Specimens from Madagascar assigned to *M. fraterculus* by Peterson *et al.* (1995) and Simmons (2005: 519) are now considered to be a distinct species: *Miniopterus sororculus* (Goodman *et al.*, 2007b).

COMMON NAMES:
Afrikaans: Klein grotvlermuis. Czech: létavec jihoafrický. English: Lesser Long-fingered Bat, Black Clinging Bat, Lesser bent-winged bat. French: Minioptère d'Afrique australe, Petit minioptère. German: Kleine Langflügel-fledermaus. Portuguese: Morcego pequeno de dedos compridos. SiSwati: Lilulwane.

CONSERVATION STATUS:
Global - Known from a number of discrete ranges.

This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its widespread distribution on the African mainland and its ability to live in a wide variety of habitat types (Schlitter *et al.*, 2008; IUCN, 2009). On Madagascar, it is quite rare and further surveys are required.

Assessment History -
2008 - LC ver 3.1 (2001) (Schlitter *et al.*, 2008; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Schlitter, 2004g; IUCN, 2004). 1996 - EN (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (MacEwan *et al.*, 2016c). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004).
Swaziland: 2003 - NT B2ab(iv); D2 ver 3.1 (2001) (Monadjem *et al.*, 2003).

MAJOR THREATS:
There are no major threats to this species on the African mainland (Schlitter *et al.*, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Schlitter *et al.* (2008) [in IUCN (2009)] report that this species is presumably present in a number of protected areas. In Tanzania it is present in the Manga Forest Reserve of Tanzania (Doggart *et al.*, 1999b). Further studies are needed to better define the range of this species.

GENERAL DISTRIBUTION:
Miniopterus fraterculus is present in Central Africa, East Africa and southern Africa. It is known from a number of discrete ranges, the largest of which stretches down south-eastern Africa, from Malawi, Mozambique and Zimbabwe, down to South Africa (where is extends along the south coast and its distribution is mostly affected by the annual temperature range (Babiker Salata, 2012: 50)). It is also known from eastern Democratic Republic of Congo near the borders with Uganda and Rwanda (although this population needs to be confirmed as *Miniopterus fraterculus*), and recorded from localities in Tanzania, Zambia, and Kenya. A small recorded range in Kenya near the border with Tanzania probably does not represent *Miniopterus fraterculus*.

ROM has 28 specimens from two localities in Cameroon, which need verification as they are well outside the presently known distribution of the species.
Specimens from Madagascar assigned to *M. fraterculus* (Peterson *et al.* (1995; Russ *et al.*, 2001; Simmons, 2005: 519) are now considered to be a distinct species: *Miniopterus sororculus* (Goodman *et al.*, 2007b).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 297,363 km^2. In the RSA, its distribution is most affected by the annual temperature range (Babiker Salata, 2012: 50).

Native: Kenya; Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 539); Mozambique (Monadjem *et al.*, 2010d: 539; Monadjem *et al.*, 2010c: 385 as *M.* cf. *fraterculus*); South Africa (Monadjem *et al.*, 2010d: 539); Swaziland (Monadjem *et al.*, 2010d: 539); Tanzania; Zambia; Zimbabwe.
Presence uncertain: Camaroon; Congo; The Democratic Republic of the; Rwanda; Uganda.

DENTAL FORMULA:
van der Merwe (1985b: 251) examined 44 skulls and found 95 % of them vestigial teeth between the upper canine and the first premolar. In 44 % of the skulls, the teeth were present on both sides.

ECHOLOCATION:
Schoeman and Waddington (2011: 291) mention a peak frequency of 62.1 ± 1.7 kHz and a duration of 3.7 ± 0.6 msec for specimens from Durban, South Africa.

The 135 calls analysed by Eisenring *et al.* (2016: SI 2) from bats in the Aberdares Range in Kenya had the following values: PF: 56.2 ± 1.4 (53.3 - 60.0), HF: 87.1 ± 15.9 (63.8 - 127.6), LF: 52.2 ± 1.6 (47.4 - 56.2), DT: 0.1 ± 0.0 (0.0 - 0.1), DF: 34.9 ± 15.9 (11.5 - 80.1), IPI: 0.8 ± 0.6 (0.3 - 4.8).

For calls from specimens from Swaziland, Monadjem *et al.* (2017c: 179) recorded: F_{min}: 58.5 ± 0.50 (58.1 - 58.8) kHz, F_{knee}: 63.6 ± 1.27 (62.7 - 64.4) kHz, F_c: 59.2 ± 0.40 (58.9 - 59.5) kHz and duration: 2.9 ± 0.32 (2.7 - 3.1) msec.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Rautenbach *et al.* (1993) described the karyotype as having a diploid number 2*n* = 46, aFN = 50, BA = 6, X = SM, Y = A.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - It is common and widespread (Schlitter *et al.*, 2008; IUCN, 2009).
Trend - 2008 - Unknown (Schlitter *et al.*, 2008; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Delayed implantation (lasting two-and-a-half months), insemination, ovulation and fertilization occur in the autumn. Embryogenesis proceeds to the blastocyst stage and development is then

retarded until arousal in spring, when the blastocyst implants and embryogenisis resumes. The active fetal growth period takes about four months (Bernard, 1980a: 55; Bernard, 1980c).

Bernard (1980b: 111) found that the ovarian and uterine function is asymmetrical as ovulations occurred primarily in the left ovary (94 %), whereas all implantations occurred in the right uterine horn.

PARASITES:
Lutz *et al.* (2016: 9) examined 6 *M.* cf. *fraterculus* specimens from East Africa and found two of them infected with the haemosporidan parasite *Polychromophilus melanipherus* Dionisi, 1899.

Uchikawa (1985a: 16) reported mites belonging to *Calcarmyobia rhinolophia* on bats identified as *M. fuscus fraterculus* from Natal, South Africa.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Burundi, Cameroon, Congo (Democratic Republic of the), Kenya, Madagascar, Malawi, Mozambique, Nigeria, Rwanda, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe.

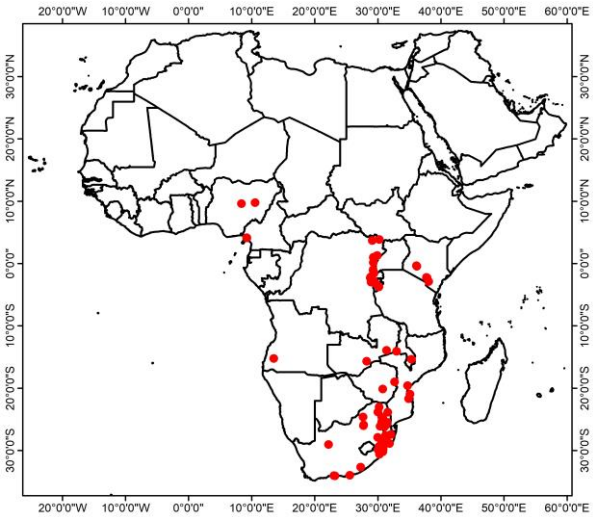

Figure 213. Distribution of *Miniopterus fraterculus*

Miniopterus gleni Peterson, Eger and Mitchell, 1995

*1995. *Miniopterus gleni* Peterson, Eger and Mitchell, Faune de Madagascar, Chiroptères, 84: 128, figs 60, 61. Type locality: Madagascar: 20 km S Tuléar: Sarodrano and Saint-Augustin, in a marine cave [23 33 S 43 45 E] [Goto Description]. Holotype: ROM 42567: ad ♂, skin and skull. Collection date: 9 May 1967. (Current Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: létavec Glenův. English: Glen's Long-fingered Bat. French: Minioptère malgache. German: Glens Langflügelfledermaus.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Muldoon *et al.* (2009: 1114) report on subfossil remains from the Ankilitelo fauna (late Holocene, appr. 500 years ago).
Gunnell *et al.* (2014: 3) refer to Goodman and Junker (2013) who also report fossils from the Andrahomana cave.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its widespread distribution in Madagascar. It may be locally threatened in parts of its range by hunting and roost disturbance, but is not thought to be declining fast enough to place it in a higher category of threat (Andriafidison *et al.*, 2008e; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Andriafidison *et al.*, 2008e; IUCN, 2009). 2000 - LR/nt (IUCN, 2000). 1994 - LR/nt ver 2.3 (1994) (Groombridge, 1994).

MAJOR THREATS:
It is threatened by roost site disturbance. This species is locally hunted in the south-west and north-west of Antananarivo (Goodman, 2006; Goodman *et al.*, 2008d) and as a relatively large species may be subject to similar exploitation elsewhere. There is no evidence that hunting presents a major threat. It is unclear if this species is forest dependent (Andriafidison *et al.*, 2008e; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008e) [in IUCN (2009)] report that this species is known to exist in a number of protected areas in the north-east (Eger and Mitchell, 2003) and many along the west coast (Goodman *et al.*, 2005a).

GENERAL DISTRIBUTION:
Miniopterus gleni is endemic to the island of Madagascar where it appears to be widely distributed (Eger and Mitchell, 2003; Goodman *et al.*, 2005a). The areas from where it has yet to be recorded may reflect low sampling effort rather than a genuine absence. North of Onilahy river (incl. Ile Sainte-Marie; Rakotonandrasana and

Goodman, 2007: 6).

Schoeman *et al.* (2014: 28, 31) found the most suitable area for this species to be located in the coastal areas of northeast, north, west, and the south of the island (western or dry deciduous region).

Native: Madagascar (Eger and Mitchell, 2003; Goodman *et al.*, 2005a; Rakotonandrasana and Goodman, 2007: 6)

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 63) could not find a baculum in the three males they examined.

ECHOLOCATION:
Kofoky *et al.* (2009: 382) reported the calls of eight individuals, which were characterized by broadband FM/QCF pulses produced at low duty cycle with a frequency of maximum energy at about 44.8 kHz, while the fundamental was always the most intense call and pulses are short duration. Ramasindrazana *et al.* (2011: 294) recorded 16 calls from 6 *Miniopterus gleni* specimens, and found the following echolocation call values: Frequency of maximum energy: 42.3 ± 1.29 (40.1 - 44.6) kHz, Maximum frequency: 82.6 ± 8.22 (70.0 - 93.2) kHz, Minimum frequency: 37.4 ± 0.94 (36.0 - 38.9) kHz, Call duration: 3.7 ± 0.49 (3.0 - 4.4) ms, Inter pulse interval: 88.9 ± 17.75 (66.7 - 124.1) ms.

HABITAT:
Dammhahn and Goodman (2013: 108) mention the lower portion of forest structure and partially open areas as the foraging habitat for this species.

ROOST:
On Madagascar, Wilkinson *et al.* (2012: 160) reported the typical roosting site to be caves.

POPULATION:
Structure and Density - There was a maximum of 90 individuals recorded at a roost in Ankarana (S. G. Cardiff *pers. comm.*), but otherwise this species always appears to roost in rather small colonies (Robinson *et al.*, 2006). Its relative abundance, as determined by mist netting, varies from rare (Kofoky *et al.*, 2007) to locally common (Robinson *et al.*, 2006).
Trend - Unknown (Andriafidison *et al.*, 2008e; IUCN, 2009).

PARASITES:
Lagadec *et al.* (2012: 1696) and Dietrich *et al.* (2014: Suppl.) report the presence of spirochaetes bacteria of the genus *Leptospira*, and which were identified as *L. borgpetersenii* by Dietrich *et al.* (2018a: 3).

Ramasindrazana *et al.* (2016: 2) indicate that *Litomosa goodmani* Martin, Bain, Jouvenet, Raharimanga, Robert & Rousset, 2006 (Onchocercidae, Nematoda) was described from a *M. gleni* from northern Madagascar. They also recovered *Litomosa* Clade 1 from this bat species.

Perkins and Schaer (2016: Suppl.) report the presence of the haemosporidan *Polychromophilus* sp.

Tortosa *et al.* (2013: 4) and Ramasindrazana *et al.* (2017: Suppl.) reported the following Nycteribiid bat flies: *Nycteribia stylidiopsis*, *Penicillidia leptothrinax*, and *Penicillidia* sp. The first one was also mentioned by Wilkinson *et al.* (2016).

VIRUSES:
Astroviridae
One of two *M. gleni* specimens tested by Lebarbenchon *et al.* (2017: Suppl.) was positive for Astroviridae.

Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 7 individuals from the Mauritius using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 0 positive results for viral nucleic acids.

Mélade *et al.* (2016b: 4) found four out of 22 *M. gleni* specimens they tested to be infected with paramyxoviruses.

UTILISATION:
Goodman (2006) describes the hunting method used by local inhabitants. See also Goodman *et al.* (2008d) and Jenkins and Racey (2008).

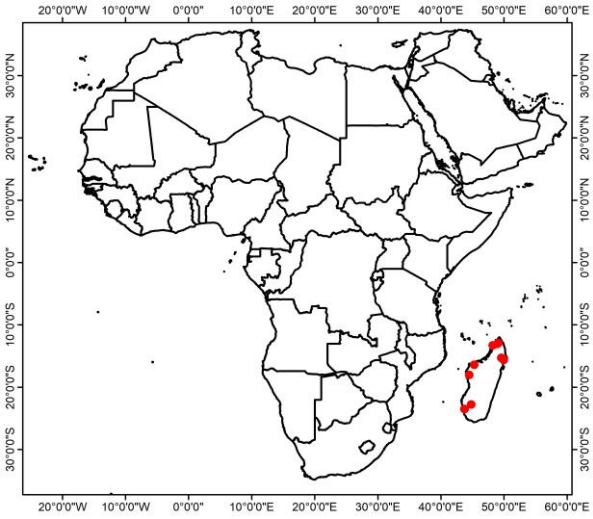

Figure 214. Distribution of *Miniopterus gleni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Madagascar.

Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009

*2009. *Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, J. Zool. Syst. Evol. Res., 38: 75, 81, figs 4, 6. Publication date: prior to 25 October 2009. Type locality: Madagascar: Province de Toliara: Grotte d'Androimpano: 4.2 km NE Itampolo (village), on old road to Ejeda [24 39.012 S 43 57.797 E, 110m] [Goto Description]. Holotype: FMNH 184214: ad ♂, skull and alcoholic. Collected by: Steven M. Goodman; collection date: 23 February 2005; original number: SMG 14593. Paratype: FMNH 184153: ad ♂. Grotte de Vitane (Vitany), 4.1 km SE Itampolo, 244208.5S 435749.4E, 25m. Paratype: FMNH 184154: ad ♂. Grotte de Vitane (Vitany), 4.1 km SE Itampolo, 244208.5S 435749.4E, 25m. Paratype: FMNH 184167: ad ♂. Grotte de Vitane (Vitany), 4.1 km SE Itampolo, 244208.5S 435749.4E, 25m. Paratype: FMNH 184215: ad ♂. same locatlity as the holotype. Paratype: FMNH 184216: ad ♂. Same locatlity as the holotype. Paratype: FMNH 184236: ad ♀. Same locatlity as the holotype. Paratype: USNM 577076. Fivondronana de Tolagnaro, 20 km WNW Ranopiso, 12 km ENE Amboasary, near Itaranta River, 2501S 4630E, 40m. Paratype: USNM 577077:. Fivondronana de Tolagnaro, 20 km WNW Ranopiso, 12 km ENE Amboasary, near Itaranta River, 2501S 4630E, 40m. (Current Combination)

TAXONOMY:
Goodman *et al.* (2009b) examining the phylogeography of the *M. gleni* complex, found that the Onilahy River is a major barrier to gene flow. Subsequently, morphological characters (tragus shape, pelage coloration and skull proportions) were identified, that supported the separation of the populations found on either side of the Onilahy River (Goodman *et al.*, 2009b).

COMMON NAMES:
German: Griffiths Langflügelfledermaus.

ETYMOLOGY OF COMMON NAME:
In honour of Owen Griffiths, founder of Biodiversity Conservation Madagascar, who is a specialist on the terrestrial mollusc fauna of the western Indian Ocean and has been instrumental in preserving key important areas of habitat on Mauritius and Madagascar. He has generously supported many initiatives for documenting the rich Malagasy fauna (including genetic studies on *Miniopterus*) (see Goodman *et al.*, 2009a: 346).

CONSERVATION STATUS:
IUCN - EN (Goodman *et al.*, 2009b).

GENERAL DISTRIBUTION:
Miniopterus griffithsii is endemic to Madagascar, where it seems to be restricted to the region between the southern banks of the Onilahy River and the Mandrare River (Itampolo east to near Ranopiso).

Schoeman *et al.* (2014: 28,31) found the most suitable area for this species to be located in the south/southwestern coastal part of the island (south-west sub-arid or spiny bush).

Native: Madagascar.

ECHOLOCATION:
Ramasindrazana *et al.* (2011: 294) recorded 8 calls from 2 *Miniopterus griffithsi* specimens, and found the following echolocation call values: Frequency of maximum energy: 44.1 ± 0.67 (43.5 - 45.3) kHz, Maximum frequency: 80.4 ± 15.66 (61.0 - 99.0) kHz, Minimum frequency: 40.0 ± 0.0 (40.0 - 40.0) kHz, Call duration: 3.2 ± 0.29 (2.9 - 3.6) ms, Inter pulse interval: 89.2 ± 27.42 (56.4 - 128.5) ms.

ROOST:
Wilkinson *et al.* (2012: 160) indicate that caves are the typical roosting sites for these bats on Madagascar.

PARASITES:
Lagadec *et al.* (2012: 1696), Dietrich *et al.* (2014: Suppl.) and Gomard *et al.* (2016: 5) report the presence of spirochaetes bacteria of the genus *Leptospira*, and which were further identified as *L. borgpetersenii* by Dietrich *et al.* (2018a: 3).

Ramasindrazana *et al.* (2016: 6) recovered *Litomosa* Clade 2 (Nematoda: Onchocercidae) from this bat species.

VIRUSES:
Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 2 individuals from the Mauritius using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 0 positive results for viral nucleic acids.

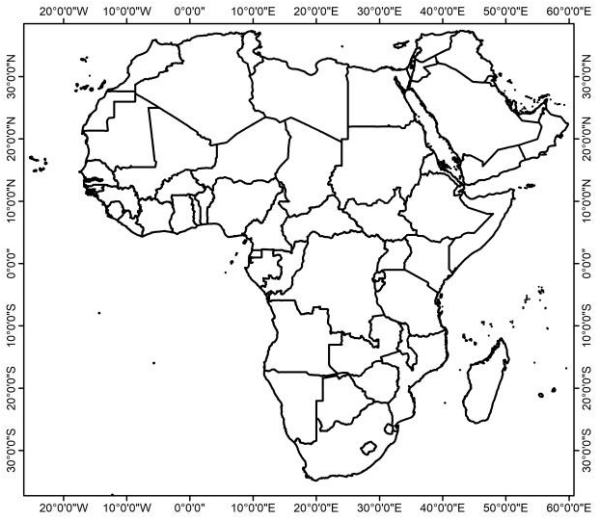

Figure 215. Distribution of *Miniopterus griffithsi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Miniopterus griveaudi Harrison, 1959

*1959. *Miniopterus minor griveaudi* Harrison, Durban Mus. Novit., 5 (15): 192. Publication date: 30 April 1959. Type locality: Comoros: Grand Comoro [11 35 S 43 20 E] [Goto Description]. Holotype: BMNH 1967.1231: ad ♀, alcoholic (skull not removed). Collected by: Paul Griveaud; collection date: 10 August 1958. Formerly HZM 3.2803, see Harrison (1959a: 192). - Comments: The museum labels of the two other specimens, on which Harrison (1959a) based his description (HZM 4.2804 and 5.2805), have the following note by P. Griveaud: "couloir souterrain et grotte sous coulée de lave Niombadjée". Niombadjée is a toponym for Niombadjou (also spelled as Niumbadju), located on the western lower flank of Mt. Karthala at 11° 47' 57" S, 43° 17' 50" E (approximately 600 m) and where members of the expedition were based from 8 August 1958 to 23 August 1958: see Goodman *et al.* (2009a: 342). - Etymology: In honour of Mr. Paul Griveaud, the collector of the type specimen.

? *Miniopterus griveaudi (Clade 3):* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, Zool. Scr., 38: 351 - 353, 362 - 363.

? *Miniopterus griveaudi:* (Current Combination)

TAXONOMY:
Originally synonomised with *Miniopterus minor*. Then moved as a synonym of *Miniopterus manavi* (Peterson *et al.*, 1995: 135; Simmons, 2005: 520). Peterson *et al.* (1995: 119) suggest that it may be a vaild species, which Simmons (2005: 520) recognises as a valid subspecies. Juste [B.] *et al.* (2007: 32) consider *griveaudi* a valid species based on mtDNA data, a view supported by Weyeneth *et al.* (2008).

COMMON NAMES:
Czech: létavec komorský. English: Griveaud`s Long-fingered bat. French: Minioptère des Comores. German: Komoren-Langflügel-fledermaus.

ETYMOLOGY OF COMMON NAME:
In honour of Mr. Paul Griveaud, the collector of the type specimen.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Juste, 2008a; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Juste, 2008a; IUCN, 2009).

MAJOR THREATS:
The threats to this species are not known (Juste, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:
Juste (2008a) [in IUCN (2009)] reports that it is not known if the species is present in any protected areas. Further studies are needed into the distribution, abundance, natural history, and threats to this species.

GENERAL DISTRIBUTION:
Miniopterus griveaudi is endemic to Grand Comore Island in the Comoros.

O'Brien (2011: 289) also reports it from Madagascar. Schoeman *et al.* (2014: 28, 31) found the most suitable area for this species to be located in the northwestern part of the island (western or dry deciduous region).

Native: Comoros (Koopman, 1993a: 231 [as *minor*], Simmons, 2005: 521 [as *minor*], Juste [B.] *et al.*, 2007: 32).

ECHOLOCATION:
Kofoky *et al.* (2009: 382) reported the calls as *M. manavi s.l.*, these calls were broadband FM/QCF sweeps produced at low duty cycle with most energy at about 58.1 kHz in the fundamental, with pulses having a short duration of about 4 ms.
Ramasindrazana *et al.* (2011: 294) recorded 49 calls from 17 *Miniopterus griveaudi* specimens from Madagascar, and found the following echolocation call values: Frequency of maximum energy: 59.9 ± 1.73 (56.4 - 62.4) kHz, Maximum frequency: 105.6 ± 12.05 (82.0 - 130.0) kHz, Minimum frequency: 55.9 ± 1.36 (53.0 - 58.0) kHz, Call duration: 3.5 ± 0.54 (2.7 - 4.4) ms, Inter pulse interval: 85.7 ± 19.80 (40.0 - 123.6) ms.
For 27 calls of 8 specimens from the same species from Anjoun, Ramasindrazana *et al.* (2011: 294) reported the following echolocation call values: Frequency of maximum energy: 59.2 ± 0.73 (58.2 - 60.8) kHz, Maximum frequency: 104.3 ± 8.86 (86.0 - 123.0) kHz, Minimum frequency: 54.5 ± 1.22 (53.0 - 57.0) kHz, Call duration: 3.2 ± 0.53 (2.7 - 4.6) ms, Inter pulse interval: 83.8 ± 15.60 (57.6 - 128.1) ms.
And 22 calls of 6 specimens from Grande Comore gave the following echolocation call values: Frequency of maximum energy: 59.4 ± 0.78 (58.2 - 60.9) kHz, Maximum frequency: 110.0 ± 11.10 (74.0 - 124.0) kHz, Minimum frequency: 55.0 ± 0.76 (53.0 - 56.0) kHz, Call duration: 3.1 ± 0.34 (2.6 - 3.6) ms, Inter pulse interval: 83.5 ± 13.18 (66.1 - 123.9) ms.

MOLECULAR BIOLOGY:
DNA - Unknown
Karyotype - Richards *et al.* (2010) reported one female with a 2*n*=46 and a FNa=50. The karyotype consists of two large metacentric, one medium metacentric and 19 acrocentric chromosomal pairs. As FISH with the complete set of *Myotis* probes was applied, the X chromosome could be identified as a submetacentric element. Volleth and Eick (2012: 167) also mention a segment number of 23.

HABITAT:
Dammhahn and Goodman (2013: 108) mention the lower portion of forest structure and partially open areas as the foraging habitat for this species.

ROOST:
Wilkinson *et al.* (2012: 160) indicated that caves are the typical roosting site for this species on the Comoros.

POPULATION:
Structure and Density - The abundance and population size of this species are not known (Juste, 2008a; IUCN, 2009).
Trend - 2008 - Unknown (Juste, 2008a; IUCN, 2009).

PARASITES:
Lagadec *et al.* (2012: 1696), Lei and Olival (2014: Suppl.) and Gomard *et al.* (2016: 5) found this species to be infected by *Leptospira* bacteria on the Comoro Islands. These were further identified as *L. borgpetersenii* by Dietrich *et al.* (2018a: 3).

Tortosa *et al.* (2013: 4) reported these bats to be parasitized by *Nycteribia stylidiopsis* on both the Comoro Islands and on Madagascar. On the latter island, two additional Nycteribiid bat flies were found: *Penicillidia leptothrinax* and *Penicillidia* sp. *N. stylidiopsis* and *P. leptothrinax* were also reported by Wilkinson *et al.* (2016) and Ramasindrazana *et al.* (2017: Suppl.). Wilkinson *et al.* (2016) furthermore reported the presence of "*Penicillidia* sp. (cf. *fulvida*)".

Ramasindrazana *et al.* (2016: 6) recovered *Litomosa* Clades 1, 2 and 3 (Nematoda: Onchocercidae) from this bat species, as well as an unnamed filariod.

VIRUSES:
Astroviridae
26 bats were tested by Lebarbenchon *et al.* (2017: Suppl.) of which 15 were positive for Astroviridae.

Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 20 individuals from the Comoros using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 3 positive results for viral nucleic acids. Wilkinson *et al.* (2014) tested 17 individuals from Amabhibe in Madagascar with an RT-PCR specific for the *Respiro-*, *Morbilli-* and *Henipavirus* genera, four of the 17 individuals tested positive for paramyxovirus RNA.

18 out of 116 Madagascan specimens tested by Mélade *et al.* (2016b: 4) were positive for paramyxoviruses.

Rhabdoviridae
Mélade *et al.* (2016a: 6) tested 33 specimens for *Lagos bat lyssavirus* and two of them showed seroreactivity. This was also the case for 10 out of 29 specimens they tested for *Duvenhage lyssavirus*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Comoros, Madagascar.

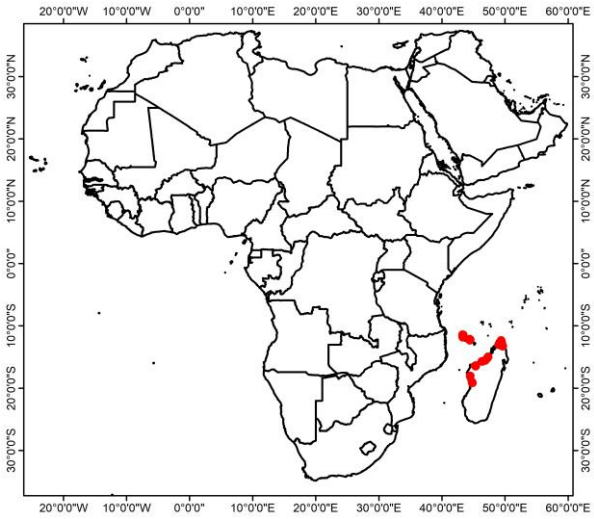

Figure 216. Distribution of *Miniopterus griveaudi*

Miniopterus inflatus Thomas, 1903

*1903. *Miniopterus inflatus* Thomas, Ann. Mag. nat. Hist., ser. 7, 12 (72): 634. Publication date: 1 December 1903. Type locality: Cameroon: Efulen [02 46 N 10 42 E] [Goto Description]. Holotype: BMNH 1903.2.4.8: ad ♂, skin only. Collected by: George Latimer Bates Esq. Collection date: 24 July 1901. - Etymology: From the masculine Latin adjective *inflatus*, meaning "inflated, swollen", referring to its inflated skull (see Lanza *et al.*, 2015: 329). (Current Combination)
? *Miniopterus infatus:* (Lapsus)

TAXONOMY:
Koopman (1975: 230) included *africanus*, but see Peterson *et al.* (1995: 120), Simmons (2005: 520) and Juste [B.] *et al.* (2007: 28).

Simmons (2005: 520) recognises *rufus* Sanborn, 1936 as a valid subspecies.

COMMON NAMES:
Afrikaans: Groot grotvlermuis. Czech: létavec větší. English: Greater Long-fingered Bat, High-crowned bat. French: Grand minioptère africain, Grand minioptère, Minioptère à couronne. German: Aufgeblasene Langflügelfledermaus. Italian: Miniòttero maggióre di Thòmas, Miniòptero maggióre di Thòmas. Portuguese: Morcego grande de dedos compridos. Spanish (Castillian): Murciélago de Ala Larga.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Schlitter, 2008h; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [includes *africanus* Sanborn, 1936] (Schlitter, 2008h; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Schlitter, 2004j; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional-
South Africa: 2016 - NT D1 ver 3.1 (2001) (Richards *et al.*, 2016c).

MAJOR THREATS:
There do not appear to be any major threats to this species. Some roosting caves are disturbed by tourism activities (Schlitter, 2008h; IUCN, 2009).

CONSERVATION ACTIONS:
Schlitter (2008h) [in IUCN (2009)] report that this species has been recorded from a number of protected areas. There is a need to limit disturbance of important roosting caves. Further studies are needed into the distribution of this species in West Africa.

GENERAL DISTRIBUTION:
Patchily recorded over much of sub-Saharan Africa. It has been reported from Liberia and Guinea in West Africa; from Cameroon, Equatorial Guinea, Gabon, Central African Republic and the Democratic Republic of the Congo in Central Africa; from Ethiopia, Uganda, Kenya and Tanzania in East Africa; and from Namibia, Zimbabwe and Mozambique in southern Africa.

The distribution of this species is somewhat unclear in West Africa due to confusion with records of *Miniopterus schreibersii* (Simmons, 2005:520).

Native: Burundi (Simmons, 2005: 520); Cameroon (Simmons, 2005: 520); Central African Republic; Congo (Bates *et al.*, 2013: 329 - 1st authenticated records); Congo (The Democratic Republic of the) (Schouteden, 1944; Hayman *et al.*, 1966; Simmons, 2005: 520; Monadjem *et al.*, 2010d: 539); Equatorial Guinea; Ethiopia; Gabon (Simmons, 2005: 520); Guinea; Kenya (Simmons, 2005: 520); Liberia (Simmons, 2005: 520); Malawi (Monadjem *et al.*, 2010d: 539); Mozambique (Smithers and Lobão Tello, 1976; Simmons, 2005: 520; Monadjem *et al.*, 2010d: 539; Monadjem *et al.*, 2010c: 385); Namibia (Monadjem *et al.*, 2010d: 539); South Africa (Monadjem *et al.*, 2010d: 539); Tanzania; Uganda (Kityo and Kerbis, 1996: 62; Simmons, 2005: 520); Zambia (Ansell, 1974; Monadjem *et al.*, 2010d: 539); Zimbabwe (Monadjem *et al.*, 2010d: 539).
Presence uncertain: Nigeria (Simmons, 2005: 520).

DENTAL FORMULA:
van der Merwe (1985b: 251) examined three skulls and found vestigial teeth between the upper canine and the first premolar in all of them.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Ruedas *et al.* (1990) described the karyotype as having a diploid number of 2*n* = 46, aFN = 50, BA = 6, X = M, Y = A.
Protein / allozyme - Unknown.

HABITAT:
In the Mount Nimba area, Monadjem *et al.* (2016y: 371) recorded this species from a variety of forested and disturbed habitats between 500 and 1,000 m.

ROOST:
Monadjem *et al.* (2016y: 371) found a roost of this species in an old mine adit.

POPULATION:
Structure and Density - This is generally considered to be a locally rare species, although it can be common in some areas (Schlitter, 2008h; IUCN, 2009).
Trend - 2008 - Unknown (Schlitter, 2008h; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Brosset and Saint Girons (1980: 227) indicate that in Gabon all females were pregnant between August and September, and births were taking place in October. Between January and July, none of the females were either having any fetuses or young or were lactating. The males were non-reproductive between 9 October and 10 February.

PARASITES:
Fain (1959a: 342) described *Nycteridocoptes miniopteri* (Acari: Sarcoptidae) from a *M. inflatus* specimen collected in Mulungu, Kivu, DRC.

Uchikawa (1985a: 22) reported *Calcarmyobia kenyaensis* Uchikawa, 1982 (Acari: Myobiidae) from *Miniopterus inflatus* specimens from Cameroon, Liberia, The Democratic Republic of Congo, Uganda and Kenya. Some Kenyan bats were identified as belonging to *Miniopterus inflatus africanus*, which might indicate that the host should actually be *M. africanus*.
Uchikawa (1985b: 52) further collected two paratypes of *Calcarmyobia producta* from a *M. inflatus* specimen from N Chyulu Hills, Kenya.
Uchikawa (1985c: 110) furthermore reported on several specimens from Kenya and The Democratic Republic of Congo, infected with four female *Pteracarus miniopteri* Uchikawa mites.

Justine (1989b: 555) described a new stomach parasite: *Capillaria magnova* from a *M. inflatus* from Belinga (Gabon).

Duval *et al.* (2012: 1559) indicate that the haemosporidan *Polychromophilus (Polychromophilus) corradetti* Landau et al., 1980 was described from *M. inflatus* specimens from Gabon (see Landau *et al.*, 1980: 22). They also report (p. 1561) on five haplotypes belonging to the *Polychromophilus melanipherus* group and isolated during their study in Gabon.

Fain (1959d: 157) described *Notoedres (Metanotoedres) miniopteri* (Acari: Sarcoptidae) from *M. inflatus* from Thysville (=Mbanza-Ngungu), DRC.

DIPTERA:
Streblidae: *Brachytarsina allaudi* (Falcoz, 1923) in Gabon (Obame-Nkoghe *et al.*, 2016: 5). *Raymondia huberi* Frauenfeld 1856 in Guinea-Bissau (Haeselbarth *et al.*, 1966: 102). *Raymondia seminuda* Jobling, 1954 (Shapiro *et al.*, 2016: 255). *Raymondia tauffliebi* Theodor, 1968 in Congo (Shapiro *et al.*, 2016: 256).

Nycteribiidae: *Nycteribia exacuta* Theodor, 1957 from Dalaba, Guinea (Haeselbarth *et al.*, 1966: 108). *Nycteribia schmidlii* Schiner, 1853 (Haeselbarth *et al.*, 1966: 108; Tortosa *et al.*, 2013: 5; Duron *et al.*, 2014: 2108; Obame-Nkoghe *et al.*, 2016: 5; Ramasindrazana *et al.*, 2017: Suppl.).

Penicillidia fulvida (Bigot, 1885) (Haeselbarth *et al.*, 1966: 114; Duron *et al.*, 2014: 2109; Obame-Nkoghe *et al.*, 2016: 5). *Eucampsipoda africana* Theodor, 1955 (Obame-Nkoghe *et al.*, 2016: 5).

VIRUSES:
Bunyaviridae
Nairovirus
9 out of 51 *M. inflatus* specimens from Gabon tested by Müller *et al.* (2016: 3) were positive for Crimean Congo hemorrhagic fever virus (CCHFV).

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, for antibody to SARS-CoV in sera in 34 individuals from Oriental Province, DRC, one tested positive (1/34, 2.9 %). Tong *et al.* (2009) tested 7/12 bats collected in Kenya during 2006 positive for the presence of coronavirus RNA in a fecal sample.
Anthony *et al.* (2017b: Suppl.) mention the alpha-coronaviruses: Kenya_Cov_KY33 and Predict_CoV_28. One out of two Kenyan specimens tested by Tao *et al.* (2017: Suppl.) was positive for CoV.

Filoviridae - Filoviruses
Marburgvirus
This virus is reported by Becquart *et al.* (2010: 1), Kuzmin *et al.* (2010b: 353), Luis *et al.* (2013: Suppl), Changula *et al.* (2014: 486), Simons *et al.* (2014: 2090), and Willoughby *et al.* (2017: Suppl.).

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that two of the 125 specimens they examined from Gabon tested positive for *Rubulavirus*.

In their overview table, Maganga *et al.* (2014a: 8) reported the following viruses were already found on *M. inflatus*: Marburg virus (MBGV), Coronavirus, Rubulavirus.

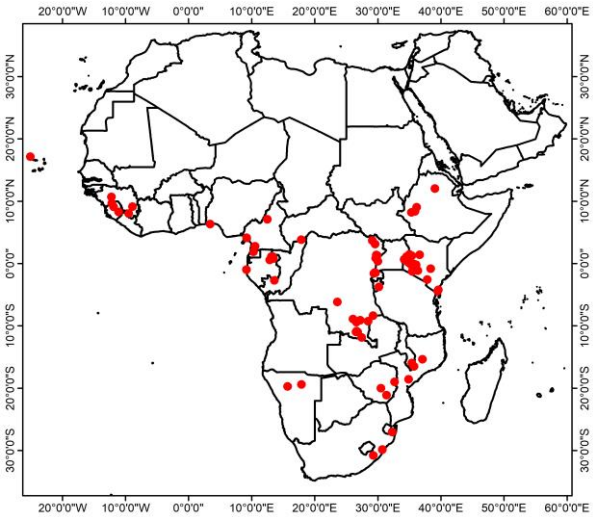

Figure 217. Distribution of *Miniopterus inflatus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Cape Verde, Central African Republic, Congo (Democratic Republic of the), Ethiopia, Gabon, Guinea, Kenya, Liberia, Madagascar, Malawi, Mozambique, Namibia, Nigeria, Rwanda, Sierra Leone, South Africa, Uganda, Zambia, Zimbabwe.

Miniopterus inflatus inflatus Thomas, 1903

*1903. *Miniopterus inflatus* Thomas, Ann. Mag. nat. Hist., ser. 7, 12 (72): 634. Publication date: 1 December 1903. Type locality: Cameroon: Efulen [02 46 N 10 42 E] [Goto Description]. - Etymology: From the masculine Latin adjective *inflatus*, meaning "inflated, swollen", referring to its inflated skull (see Lanza *et al.*, 2015: 329). (Current Combination)
? *Miniopterus inflatus inflatus:* (Name Combination, Current Combination)

PARASITES:
Uchikawa (1985a: 19) indicates that *Miniopterus villiersi* is one of the true hosts of "typical" *Calcarmyobia congoensis* Uchikawa, 1982 (Acari: Myobiidae).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Burundi, Congo, Congo (Democratic Republic of the), Equatorial Guinea, Kenya, Liberia, Madagascar, Uganda.

Miniopterus inflatus rufus Sanborn, 1936

*1936. *Miniopterus rufus* Sanborn, Field Mus. Nat. Hist., Zool. Ser., (362) 20 (14): 112. Publication date: 15 August 1936. Type locality: Congo (Democratic Republic of the): Tanganyika-Moero: Lualaba River, 40 mi (64 km) below Bukama: Katobwe [08 51 S 26 05 E] [Goto Description]. Holotype: FMNH 29416: ad ♂, skin and skull. Collected by: John Todd Zimmer; collection date: 28 November 1926; original number: 566.
? *Miniopterus inflatus rufus:* (Name Combination, Current Combination)

PARASITES:
Lutz *et al.* (2016: 9) examined 31 "*M. rufus*" specimens from East Africa and found 22 of them infected with the haemosporidan parasite *Polychromophilus melanipherus* Dionisi, 1899.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Kenya, Uganda.

Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014

*2014. *Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, in: Puechmaille, Allegrini, Benda, Gürün, Šrámek, Ibáñez, Juste and Bilgin, Zootaxa, 3794 (1): 108, 112, figs 2, 3a-b, 4a-b, 5a-b. Publication date: 5 May 2014. Type locality: Morocco: Er Rachidiyah Province: 5.7 km S of Ksar Tazougart, 19 km W-NW of Boudenib: Kef Azigza Cave (or Tazzouguert Cave) [32 01 46.6 N 03 47 16.7 W, 1060 m] [Goto Description]. Holotype: NMP 94426: ad ♂, skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 28 April 2008; original number: pb3907. Paratype: EBD MAM 25780: ad ♂, alcoholic (skull not removed). Collected by: Carlos J. Ibáñez Uargui, Javier Juste, J.A. Garrido and Juan Quetglas; collection date: 30 April 2000. Kef Azigza Cave. Paratype: NMP 90047: ♂, alcoholic (skull not removed). Collected by: Petr Benda; collection date: 30 August 2003. Talknout, Oued Tessaoud. Paratype: NMP 90051: ♂, skull and alcoholic. Collected by: Petr Benda; collection date: 30 August 2003. Talknout, Oued Tessaoud. Paratype: NMP 90103: ♀, skull and alcoholic. Collected by: Petr Benda; collection date: 9 September 2003. Sebt-es-Âït-Serhrouchèn, Oued El Ammar. Paratype: NMP 94505: alcoholic (skull not removed). Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. Paratype: NMP 94506: skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. Paratype: NMP 94507: skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. Paratype: NMP 94508: skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. Paratype: NMP 94509: skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. Paratype: NMP 94510: skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. Paratype: NMP 94511: skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. Paratype: NMP 94512: skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. Paratype: NMP 94513: skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. Paratype: NMP 94514: skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. Paratype: NMP 94515: skull and alcoholic. Collected by: Petr Benda, Jaroslav Červený, Adam Konecný and Peter Vallo; collection date: 26 April 2008. Kef Azigza Cave. - Etymology: The name maghrebensis refers to the region (the Maghreb; the region of northern Africa located between the Atlantic Ocean, the Mediterranean Sea, and the Sahara) where the new species was discovered (see Puechmaille *et al.*, 2014a: 118). (Current Combination)

TAXONOMY:
Bilgin *et al.* (2016: 330) calculated that the split between *M. maghrebensis* and *M. schreibersii* took place some 72,041 years ago (95 % HDP Interval = 5,637 - 139,570 years).

COMMON NAMES:
Czech: létavec maghrebský. Dutch: Maghrebijns langvleugelvleermuis. English: Maghrebian bent-wing bat. French: Minioptere du Maghreb. German: Maghreb-Langflügelfledermaus. Spanish (Castillian): Murrcielago de cueva magrebí.

GENERAL DISTRIBUTION:
Northern Morocco to south of the High Atlas Mountains and northern Tunisia.

SEXUAL DIMORPHISM:
Šrámek and Benda (2014: 222) found that most of the cranio-dental measurements in males were larger than in females, except for the dimensions associated with skull and rostral width. In dental characters, on the other hand, females were larger in 38 of 57 variables and the sexes highly diverged (P < 0.001) in the length of the lower canine; slightly diverged in widths of the second lower incisor, second upper molar (in central part) and third lower molar.

ECHOLOCATION:
Puechmaille *et al.* (2014a: 113) provide the following data [(avg ± sd (min - max)]: Peak frequency: 52.89 ± 0.74 (51.00 - 54.78) kHz; Start frequency: 74.69 ± 7.66 (63.57 - 101.07) kHz; End frequency: 50.36 ± 0.81 (48.92 - 51.85) kHz; Duration: 4.48 ± 0.67 (3.20 - 5.60) msec; Interval between pulses: 107.14 ± 27.35 (67.20 - 239.20) msec.

MOLECULAR BIOLOGY:
The GenBank sequence (partial Cytochrome *b*, tRNA-Threonine, tRNA-Proline, HV1) of the holotype corresponds to the accession numbers KJ535784 & KJ535824 (see Puechmaille *et al.*, 2014a: 117).

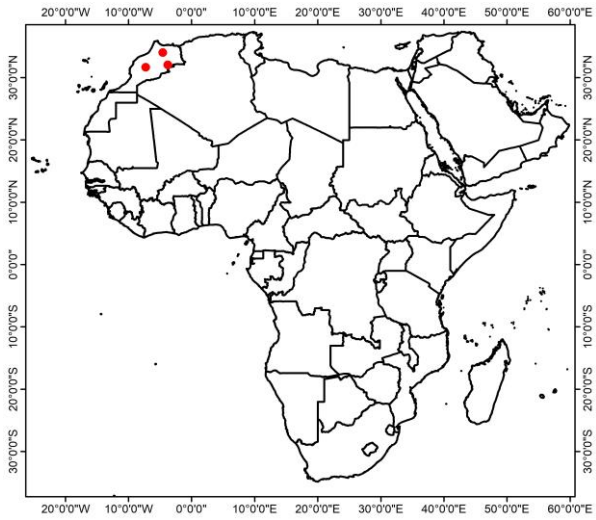

Figure 218. Distribution of *Miniopterus maghrebensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Morocco.

Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009

*2009. *Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, Am. Mus. Novit., 3669: 1, 17, figs 4D-E, 6, 7. Publication date: 30 November 2009. Type locality: Madagascar: Province de Toliara: Parc National de Tsimanampetsotsa: 6.5 km NE Efoetse: near Mitoho Cave [24 03.0 S 43 45.0 E, 50 m]. Holotype: FMNH 173179: ad ♂. Collected by: Steven M. Goodman; collection date: 2 March 2002; original number: SMG 12649. Paratype: FMNH 172918: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172919: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172920: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172921: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172922: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172923: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172924: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172925: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172926: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172927: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172928: collection date: 7 May 2002. Grotte d'Ambanilia, 3.7 km SSE Sarodrano, 23°32.397' S, 43°44.763' E, sea level. Paratype: FMNH 172929: collection date: 8 May 2002. Grotte de Bisihiko, 0.75 km E St. Augustin, 23°32.933' S, 43°46.044' E, 10 m. Paratype: FMNH 172930: collection date: 8 May 2002. Grotte de Bisihiko, 0.75 km E St. Augustin, 23°32.933' S, 43°46.044' E, 10 m. Paratype: FMNH 172931: collection date: 8 May 2002. Grotte de Bisihiko, 0.75 km E St. Augustin, 23°32.933' S, 43°46.044' E, 10 m. Paratype: FMNH 172932: collection date: 8 May 2002. Grotte de Bisihiko, 0.75 km E St. Augustin, 23°32.933' S, 43°46.044' E, 10 m. Paratype: FMNH 172933: collection date: 8 May 2002. Grotte de Bisihiko, 0.75 km E St. Augustin, 23°32.933' S, 43°46.044' E, 10 m. Paratype: FMNH 173154: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173189: Parc National de

Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173190: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173191: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173192: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173193: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173194: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173195: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173196: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173198: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173199: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173200: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173201: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173202: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173203: Parc National de Tsimanampetsotsa, 6.5 km NE Efoetse, near Mitoho Cave, 24°03.0' S, 43°45.0' E, 50 m. Paratype: FMNH 173204: collection date: 4 March 2002. Parc National de Tsimanampetsotsa, Malaza Manga Aven, 24°1.827' S, 43°45.283' E, 80 m. Paratype: FMNH 173252: collection date: 24 July 2001. Antafiky, 23°29'16.0" S, 44°04'39.1" E, 50 m. Paratype: FMNH 173253: collection date: 4 February 2002. Antafiky, 23°29'16.0" S, 44°04'39.1" E, 50 m. Paratype: FMNH 175991: collection date: 9 December 2002. Province de Fianarantsoa, Parc National de l'Isalo, along Sahanafa River, at foot of Bevato, 28 km SE Berenty-Betsileo, 22°19.0' S, 45°17.6' E, 550 m. Paratype: FMNH 176096: collection date: 11 November 2002. Province de Toliara, Parc National de Kirindy-Mite, 13 km W Marofihitsa, 20°47.4' S, 44°08.8' E, 30 m. Paratype: FMNH 176097: collection date: 11 November 2002. Province de Toliara, Parc National de Kirindy-Mite, 13 km W Marofihitsa, 20°47.4' S, 44°08.8' E, 30 m. Paratype: FMNH 176098: collection date: 11 November 2002. Province de Toliara, Parc National de Kirindy-Mite, 13 km W Marofihitsa, 20°47.4' S, 44°08.8' E, 30 m. Paratype: FMNH 176099: collection date: 11 November 2002. Province de Toliara, Parc National de Kirindy-Mite, 13 km W Marofihitsa, 20°47.4' S, 44°08.8' E, 30 m. Paratype: FMNH 176100: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176101: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176102: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176103: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176104: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176105: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176106: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176107: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176108: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176109: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176110: collection date: 16-17 November 2002. Parc National de Kirindy-Mite, near village of Betakilotra, 11 km SE Marofihitsa, 20°53.2' S, 44°04.8' E, 35 m. Paratype: FMNH 176167: collection date: 14, 15, and 18 February 2003. Forêt des Mikea, 9.5 km W Ankililoaka, 22°46.7' S, 43°31.4' E, 80 m. Paratype: FMNH 176168: collection date: 14, 15, and 18 February 2003. Forêt des Mikea, 9.5 km W Ankililoaka, 22°46.7' S, 43°31.4' E, 80 m. Paratype: FMNH 176169:

collection date: 14, 15, and 18 February 2003. Forêt des Mikea, 9.5 km W Ankililoaka, 22°46.7' S, 43°31.4' E, 80 m. Paratype: FMNH 176170: collection date: 14, 15, and 18 February 2003. Forêt des Mikea, 9.5 km W Ankililoaka, 22°46.7' S, 43°31.4' E, 80 m. Paratype: FMNH 176508: collection date: 4 June 2002. Mahaleotse, 23°31'38.8" S, 44°05'16.1" E, 70 m. Paratype: FMNH 176509: collection date: 27 November 2002. Fiherenana, 23°14'17" S, 43°52'23" E. Paratype: FMNH 176510: collection date: 27 November 2002. Fiherenana, 23°14'17" S, 43°52'23" E. Paratype: FMNH 177376: collection date: 16 August 2003. Ranobe, 23°14.033' S, 43°52.493' E, approximately 50 m. Paratype: FMNH 184155: Grotte d'Andraimpano, 4.2 km NE Itampolo, 24°39.012' S, 43°57.797' E. Paratype: FMNH 184156: Grotte d'Andraimpano, 4.2 km NE Itampolo, 24°39.012' S, 43°57.797' E.m,. Paratype: FMNH 184157: Grotte d'Andraimpano, 4.2 km NE Itampolo, 24°39.012' S, 43°57.797' E. Paratype: FMNH 184158:. Grotte d'Andraimpano, 4.2 km NE Itampolo, 24°39.012' S, 43°57.797' E. Paratype: FMNH 184159: Grotte d'Andraimpano, 4.2 km NE Itampolo, 24°39.012' S, 43°57.797' E. Paratype: FMNH 184160: collection date: 29 May 2005. Grotte d'Amborombe, 4.0 km Itampolo, 24°37'42.7" S, 43°58'56.9" E, 70 m. Paratype: FMNH 184168: Grotte d'Andraimpano, 4.2 km NE Itampolo, 24°39.012' S, 43°57.797' E. Paratype: FMNH 184217: collection date: 18 February 2005. 10.5 km SE Itampolo (village), 24°44.2' S, 44°1.79' E, 120 m. Paratype: FMNH 184218: collection date: 18 February 2005. 10.5 km SE Itampolo (village), 24°44.2' S, 44°1.79' E, 120 m. Paratype: FMNH 184219: collection date: 18 February 2005. 10.5 km SE Itampolo (village), 24°44.2' S, 44°1.79' E, 120 m. Paratype: FMNH 184220: collection date: 18 February 2005. 10.5 km SE Itampolo (village), 24°44.2' S, 44°1.79' E, 120 m. Paratype: FMNH 184221: collection date: 18 February 2005. 10.5 km SE Itampolo (village), 24°44.2' S, 44°1.79' E, 120 m. Paratype: FMNH 184222: Grotte d'Andraimpano, 4.2 km NE Itampolo, 24°39.012' S, 43°57.797' E. Paratype: FMNH 184223: Grotte d'Andraimpano, 4.2 km NE Itampolo, 24°39.012' S, 43°57.797' E. Paratype: FMNH 184224: Grotte d'Andraimpano, 4.2 km NE Itampolo, 24°39.012' S, 43°57.797' E. Paratype: FMNH 184225: Grotte d'Andraimpano, 4.2 km NE Itampolo, 24°39.012' S, 43°57.797' E. Paratype: FMNH 184226: collection date: 26 February 2005. Grotte d'Antagneotsy, 5.0 km NE Vohombe, 24°23.001' S, 43°50.742' E, 100 m. Paratype: FMNH 184470: collection date: 1 November 2004. Ihosy, commune rurale d'Akily, Grotte d'Andranomilitry, 22°23.111' S, 46° 03.355' E, 950 m. Paratype: FMNH 184471: collection date: 1 November 2004. Ihosy, commune rurale d'Akily, Grotte d'Andranomilitry, 22°23.111' S, 46° 03.355' E, 950 m. Paratype: FMNH 184472: collection date: 1 November 2004. Ihosy, commune rurale d'Akily, Grotte d'Andranomilitry, 22°23.111' S, 46° 03.355' E, 950 m. Paratype: FMNH 184473: collection date: 1 November 2004. Ihosy, commune rurale d'Akily, Grotte d'Andranomilitry, 22°23.111' S, 46° 03.355' E, 950 m. Paratype: FMNH 202484: collection date: 8 May 2002. Grotte de Bisihiko, 0.75 km E St. Augustin, 23°32.933' S, 43°46.044' E, 10 m. Paratype: FMNH 202485: collection date: 8 May 2002. Grotte de Bisihiko, 0.75 km E St. Augustin, 23°32.933' S, 43°46.044' E, 10 m. Paratype: FMNH 75774: collection date: 18 June 1953. Betroka, 23°15'50" S, 46°05'30" E, 800 m. - Etymology: The name *mahafaliensis* is derived from the Malagasy word mahafaly, meaning ''to make taboos,'' but here specifically referring to one of the local cultural groups in southwestern Madagascar, the Mahafaly, and the Mahafaly Plateau, a limestone karst area, from whence many of the specimens of this taxon were collected. In the region of the Forêt des Mikea (see Goodman *et al.*, 2009c: 28). (Current Combination)

COMMON NAMES:
German: Mahafaly-Langflügelfledermaus.
Malagasy: kitrotroke.

GENERAL DISTRIBUTION:
Madagascar (known from numerous sites on or in close proximity to the limestone Mahafaly Plateau in the southwestern portion of the island, including the zone from Itampolo north across the Onilahy River to Sarodrano spanning the elevational range from sea level to 120 m. Its distribution then continues further north to the Forêt des Mikea (70 - 80 m) and based on current data ends in the Kirindy-Mite region (30 - 35 m). Further, it is known from the more inland and upland sites of Ihosy and near Betroka from 800 - 950 m and within the Isalo formation at 550 m.).

Schoeman *et al.* (2014: 28, 31) found the most suitable area for this species to be located in the southwestern quarter of the island (south-west sub-arid or spiny bush).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 63) could not find a baculum in the one specimen they examined.

ECHOLOCATION:
Ramasindrazana *et al.* (2011: 294) recorded 24 calls from 9 *Miniopterus mahafaliensis* specimens, and found the following echolocation call values: Frequency of maximum energy: 59.6 ± 1.46 (57.3 - 62.2) kHz, Maximum frequency: 113.7 ± 8.08 (95.0 - 123.0) kHz, Minimum frequency: 55.1 ± 1.47 (53.0 - 57.0) kHz, Call duration: 3.3 ± 0.25 (2.9 - 3.8) ms, Inter pulse interval: 68.7 ± 14.04 (43.5 - 95.3) ms.

ROOST:
Wilkinson *et al.* (2012: 160) reported caves to be the typical roosting site for these bats on Madagascar.

PARASITES:
Lagadec *et al.* (2012: 4696), Dietrich *et al.* (2014: Suppl.), Lei and Olival (2014: Suppl.) and Gomard *et al.* (2016: 5) report the presence of spirochaetes bacteria of the genus *Leptospira*, which were identified as *L. borgpetersenii* by Dietrich *et al.* (2018a: 3).

Ramasindrazana *et al.* (2016: 6) recovered *Litomosa* Clade 2 (Nematoda: Onchocercidae) from *M. mahafaliensis*.

On Madagascar, Tortosa *et al.* (2013: 4) found Nycteribiid bat flies belonging to *Penicillidia leptothrinax*.

VIRUSES:
Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 11 individuals from the Mauritius using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 0 positive results for viral nucleic acids.

In their extensive study, Mélade *et al.* (2016b: 3) found that *M. mahafaliensis* was the least infected species of Madagascan bat, with only 4 out of 89 specimens (4.5 %) infected.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

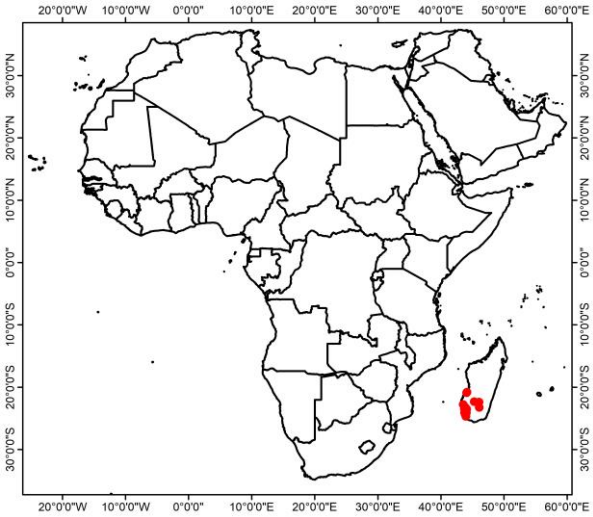

Figure 219. Distribution of *Miniopterus mahafaliensis*

Miniopterus majori Thomas, 1906

*1906. *Miniopterus Majori* Thomas, Ann. Mag. nat. Hist., ser. 7, 17 (98): 175. Publication date: 1 February 1906. Type locality: Madagascar: SE Betsileo: Imasindrary [=Sahamananina] [20 17 S 47 31 E, 1 600 m] [Goto Description]. Holotype: BMNH 1897.9.1.38: ad ♀, skin and skull. Collected by: Dr. Charles Immanuel Forsyth Major; collection date: 3 July 1895; original number: 457. - Etymology: In honour of Dr. C.I. Forsyth Major, collector of the type specimen (see Thomas, 1906a: 176). (Current Combination)
? *Miniopterus majori majori:* (Name Combination)
? *Miniopterus majori:* (Current Spelling)

TAXONOMY:
Included in *schreibersi* by Koopman (1993a: 231), but considered a valid species by Peterson *et al.* (1995: 131), Hutson *et al.* (2001: 32), Russ *et al.* (2001), Simmons (2005: 520).

COMMON NAMES:
Czech: létavec východomadagaskarský. English: Major Long-fingered Bat, Major's Long-fingered Bat. French: Grand minioptère malgache. German: Majors Langflügelfledermaus.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its relatively wide range, ability to live in a wide variety of habitats from intact forests to heavily degraded areas, and because there is no evidence of a decline that would warrant listing in a higher category of threat (Jenkins and Rakotoarivelo, 2008a; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jenkins and Rakotoarivelo, 2008a; IUCN, 2009). 2003 - DD (IUCN, 2003). 2001 - DD (IUCN/SSC Action Plan, 2001).

MAJOR THREATS:
The major threats to this species are not known. It could be susceptible to cave disturbance in some sites and it could perhaps be hunted in some areas (Jenkins and Rakotoarivelo, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:
Jenkins and Rakotoarivelo (2008a) [in IUCN (2009)] report that this species is reported from a few protected areas, such as Parc National de Masoala and Parc National de Mantadia (Russ and Bennet, 1999; Randrianandrianananina *et al.*, 2006). Some of these records may need to be reassessed in view of the ongoing taxonomy of this genus in Madagascar (Goodman and Maminirina, 2007).

GENERAL DISTRIBUTION:
Miniopterus majori is endemic to Madagascar and has a sympatric distribution with *Miniopterus sororculus* in the highlands of Madagascar (Goodman *et al.*, 2007b) and is widely, but patchily, distributed across the island (Peterson *et al.*, 1995; Eger and Mitchell, 2003).

Schoeman *et al.* (2014: 28, 31) found the most suitable area for this species to be located in the eastern part of the island (higher elevations of the Central Highlands - sub-humid region).

Goodman and Maminirina (2007) suggest that the only specimens known form the Comoro Islands were collected by M. Humbolt and may have been incorrectly provenanced. Until new material is available from the island to confirm that *M. majori* exists, it is removed from the known distribution of the species, and is restricted at this time to Madagascar.

Native: Madagascar (Peterson *et al.*, 1995; Eger and Mitchell, 2003; Simmons, 2005: 520; Goodman and Maminirina, 2007).
Presence incorrectly assigned: Comoro Islands (Simmons, 2005: 520).

ECHOLOCATION:
Kofoky *et al.* (2009: 382) reported the calls as *Miniopterus majori/sororculus*, which produced broadband FM/QCF echolocation calls at low duty cycle, but with a lower maximum energy, at about 48.5 kHz. The fundamental being most intense with short duration pulses of about 4.5 ms.
Ramasindrazana *et al.* (2011: 294) recorded 39 calls from 12 *Miniopterus majori* specimens, and found the following echolocation call values: Frequency of maximum energy: 48.5 ± 1.15 (46.1 - 52.0) kHz, Maximum frequency: 82.5 ± 11.78 (64.0 - 102.0) kHz, Minimum frequency: 44.4 ± 0.97 (43.0 - 46.0) kHz, Call duration: 3.6 ± 0.42 (2.8 - 4.5) ms, Inter pulse interval: 85.0 ± 16.34 (59.5 - 134.8) ms.

POPULATION:
Structure and Density - There is no information on its population status (Jenkins and Rakotoarivelo, 2008a; IUCN, 2009).
Trend - 2008 - Unknown (Jenkins and Rakotoarivelo, 2008a; IUCN, 2009).

PARASITES:
Dietrich *et al.* (2014: Suppl.) and Gomard *et al.* (2016: 5) report the presence of spirochaetes of the genus *Leptospira* in bats from Fianarantsoa, Madagascar. These were identified as *L. borgpetersenii* by Dietrich *et al.* (2018a: 3).

Uchikawa (1985b: 45) reports *Calcarmyobia comoresensis* mites of bat specimens from Vobima and Bersroha, Madagascar. Uchikawa (1985c: 111) mentions the presence of *Pteracarus miniopteri* Uchikawa, 1978 mites on *M. schreibersi majori* specimens from Madagascar. Tortosa *et al.* (2013: 4), furthermore, reported the presence of Nycteribiid bat flies: *Nycteribia stylidiopsis* and *Penicillidia leptothrinax*. The *Nycteribia* is also reported by Ramasindrazana *et al.* (2017: Suppl.).

Ramasindrazana *et al.* (2016: 6) recovered *Litomosa* Clade 1 (Nematoda: Onchocercidae) from this bat species.

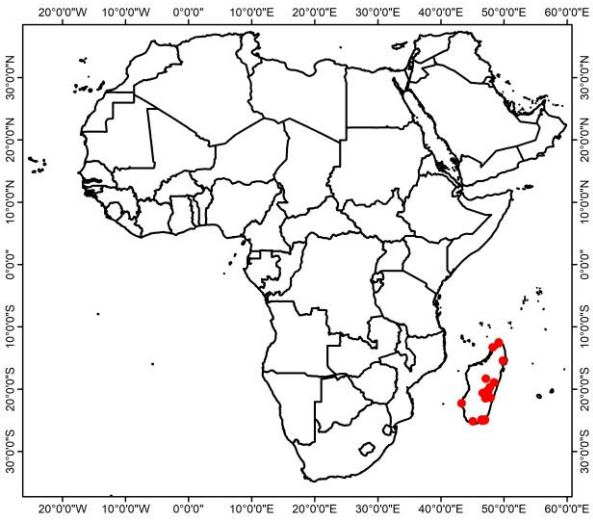

Figure 220. Distribution of *Miniopterus majori*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: "Africa", Madagascar.

Miniopterus manavi Thomas, 1906

*1906. *Miniopterus manavi* Thomas, Ann. Mag. nat. Hist., ser. 7, 17 (98): 176. Publication date: 1 February 1906. Type locality: Madagascar: Eastern/Northeastern Betsileo: Fandriana region [20 17 S 47 31 E] [Goto Description]. Holotype: BMNH 1897.9.1.37: ad ♂, skin and skull. Collected by: Dr. Charles Immanuel Forsyth Major; collection date: 3 July 1895; original number: 453. See Peterson *et al.* (1995: 135). Topotype: MCZ 45101: ♀, complete skeleton. Collected by: The Grandidier Collection; collection date: 3 July 1895. - Comments: [Imansindrary = ? Masindrary, 15 km ESE Fandriana, see Jenkins and Carleton, 2005 (in Goodman *et al.*, 2009a: 340)]. (Current Combination)

1993. *Miniopterus minor grivaudi:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 231. (Lapsus)

2007. *Miniopterus (griveaudi) manavi:* Goodman and Maminirina, Mammalia, 71 (4): 151. (Name Combination)

2009. *Miniopterus manavi (Clade 1):* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, Zool. Scr., 38: 346-351, 362.

? *Miniopterus manavi manavi:* (Name Combination)

TAXONOMY:
Included in *minor* by Koopman (1993a: 231), but considered a valid species by Peterson *et al.* (1995: 135), Hutson *et al.* (2001: 32), Russ *et al.* (2001), and Simmons (2005: 520).

Simmons (2005: 520) recognised *griveaudi* Harrison, 1959 as a vaild subspecies of *M. manavi*, Juste [B.] *et al.* (2007: 33) elevated *griveaudi* as a separate species, which is followed in this account.

Weyeneth *et al.* (2008) used mitochondrial DNA markers to demonstrate that the specimens from the Comoro islands are not closely related to *M. minor* from the African mainland, and that these islands were probably populated as a result of two or three invasions originating from Madagascar.

COMMON NAMES:
Czech: létavec manavijský. English: Manavi Long-fingered Bat, Manavil Long-fingered Bat. French: Petit minioptère malgache. German: Manavi-Langflügelfledermaus.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its widespread distribution (near suitable caves) across Madagascar. While it is locally threatened by hunting, this is not thought to be a major threat of this species across its range (Andriafidison *et al.*, 2008f; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Andriafidison *et al.*, 2008f; IUCN, 2009). 2003 - DD [as *M. menavi*] (IUCN, 2003). 2001 - DD [as *M. menavi*] (IUCN/SSC Action Plan, 2001). 2000 - DD.

MAJOR THREATS:
There are no major threats to the species. In Makira, this species is eaten by people (Golden, 2005), but it is not known if this species is hunted in other parts of its range. It is probably not forest dependent, but is rarely netted in areas without vegetation stands (Andriafidison *et al.*, 2008f; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008f) [in IUCN (2009)] report that this species occurs in many of the forest protected areas in western and eastern Madagascar and as such does not require specific conservation measures. Additional information on its ecology would be helpful to better understand how it responds to deforestation and roost disturbance. There is some uncertainty about the taxonomy of *M. manavi* and that this taxon is actually a complex of new species (F. Ratromomanarivo *pers. Comm.*). Further studies on morphology, acoustics and genetics are therefore needed.

GENERAL DISTRIBUTION:
Miniopterus manavi is found on Madagascar including the islands of Nosy Be and Nosy Komba (Rakotonandrasana and Goodman, 2007: 6), where it is widely distributed (Eger and Mitchell, 2003; Goodman *et al.*, 2005a). It has a wide elevational range, from 20 to 1,500 m above sea-level.

Schoeman *et al.* (2014: 28, 31) found the most suitable area for this species to be located in the eastern part of the island, but not along the coast (higher elevations of the Central Highlands - sub-humid region).

Grand Comoro (Peterson *et al.*, 1995; Simmons, 2005: 520). Removed by Juste [B.] *et al.* (2007: 33), due to the removal of *griveaudi* as a separate species.

Native: Madagascar (Peterson *et al.*, 1995; Eger and Mitchell, 2003; Goodman *et al.*, 2005a; Simmons, 2005: 520; Rakotonandrasana and Goodman, 2007: 6).

ECHOLOCATION:
Russ *et al.* (2003) describe the echolocation as a freqency-modulated sweep that terminates in a constant-frequency portion with maximum energy around 57 kHz. Kofoky *et al.* (2009: 382) reported the calls as *M. manavi s.l.*, these calls were broadband FM/QCF sweeps produced at low duty cycle with most energy at about 58.1 kHz in the fundamental, with pulses having a short duration of about 4 ms. Low-duty cycle, frequency modulated/quasi constant (FM/QCF) echolocation call, with a peak frequency of 57.2 kHz (55.5 - 58.2 kHz) and a duration of 2.5 ms (2.1 - 3.0 ms) (Goodman *et al.*, 2011: 9).

Ramasindrazana *et al.* (2011: 294) recorded 9 calls from 2 specimens tentatively assigned to *Miniopterus 'manavi'*, and found the following echolocation call values: Frequency of maximum energy: 57.2 ± 0.77 (55.5 - 58.2) kHz, Maximum frequency: 98.4 ± 7.60 (89.0 - 110.0) kHz, Minimum frequency: 53.0 ± 0.0 (53.0 - 53.0) kHz, Call duration: 2.5 ± 0.32 (2.1 - 3.0) ms, Inter pulse interval: 66.0 ± 8.70 (54.1 - 84.7) ms.

DIET:
Razakarivony *et al.* (2005) found Araneae in 2 % of stomachs examined. Rakotoarivelo *et al.* (2007), in Madagascar, found *M. manavi* to mainly consume Hemiptera.

POPULATION:
Structure and Density - It is locally abundant in cavities or rocky overhangs that provide suitable roosting features. A colony of approximately 4,000 was found in Makira (Bayliss and Hayes, 1999).
Trend - 2008 - Unknown (Andriafidison *et al.*, 2008f; IUCN, 2009).

PARASITES:
Gomard *et al.* (2016: 5) reported the presence of *Leptospira* bacteria in 5 out of 7 tested bats (73.7 %).

Megali *et al.* (2010: 1042) and Duval *et al.* (2012: 1563) reported Genbank data for *Polychromophilus* sp. (*Haemosporida*) from *M. manavi*.
Uchikawa (1985b: 45) reported a mite belonging to *Calcarmyobia comoresensis* from the type specimen of *M. manavi*. From the same specimen, Uchikawa (1985c: 110) also reported mites belonging to *Pteracarus miniopteri* Uchikawa, 1978. Furtermore, he also described two mite subspecies: *Calcarmyobia steatosetae steatosetae* and *Calcarmyobia steatosetae rectipenis* from several other bat specimens.

The presence of the Nycteribiid bat fly *Penicillidia leptothrinax* was reported by Tortosa *et al.* (2013: 4) and Ramasindrazana *et al.* (2017: Suppl.). Additionally, Ramasindrazana *et al.* (2017: Suppl.) reported both "*Penicillidia* sp. and *P. leptothrinax* from one and the same bat identified as "*Miniopterus* cf. *manavi*".

Ramasindrazana *et al.* (2016: 6) reported the presence of *Litosoma* Clade 1 (Nematoda: Onchocercidae) on this bat species.

UTILISATION:
In Makira, this species is eaten by people (Golden, 2005), also see Goodman *et al.* (2008d).

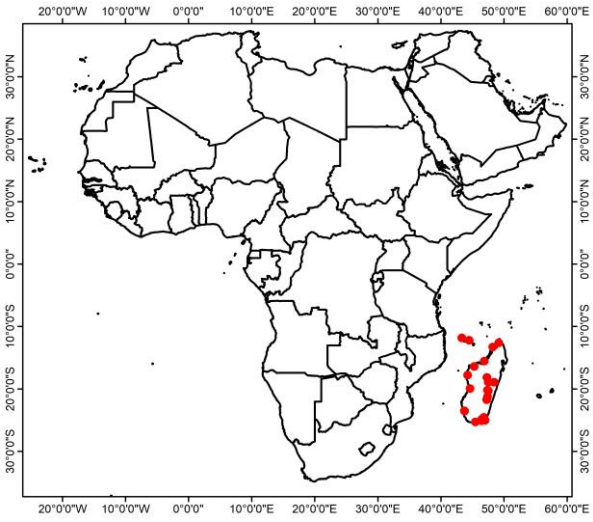

Figure 221. Distribution of *Miniopterus manavi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Comoros, Madagascar.

Miniopterus minor Peters, 1867

*1867. *Miniopterus minor* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 870 (for 1866). Publication date: 1867. Type locality: Tanzania: Coast opposite Zanzibar Island [Goto Description]. Holotype: ZMB 3268: ♂, skin and skull. Collected by: Baron Karl Klaus von der Decken. See Turni and Kock (2008: 52). - Comments: Peters (1867a: 885) mentions "Ein einziges ausgewachsenes Männchen von der Küste von Zanzibar". - Etymology:

From the masculine Latin adjective *minor*, meaning "smaller", used as comparative of *parvus*, meaning "small", referring to the relatively small size of the species (see Lanza *et al.*, 2015: 334). (Current Combination)

1992. *Miniopterus minor occidentalis* Juste and Ibáñez, Bonn. zool. Beitr., 43 (3): 358, 362. Publication date: 21 October 1992. Type locality: Congo: Koilou, Meya-Nzouari Cave [03 53 S 14 31 E]. Holotype: MHNG 1074.013: ad ♀, skull and alcoholic. Collected by: M. Taufflieb; collection date: 1 July 1961. - Comments: (see Simmons, 2005). - Etymology: From the Latin for western. (Name Combination)

? *Miniopterus minor minor:* (Name Combination)

TAXONOMY:
Koopman (1993a: 231) included *griveaudi* Harrison, 1959 and *manavi* Thomas, 1906, but Peterson *et al.* (1995: 119, 135) and Simmons (2005: 520) recognised *manavi* as a distinct species, with *griveaudi* as a subspecies. Juste [B.] *et al.* (2007: 33) elevated *griveaudi* as a separate species.
Simmons (2005: 521) recognised *newtoni* Bocage, 1889 and *occidentalis* Juste and Ibáñez, 1992 as vaild subspecies of *M. minor*. Juste [B.] *et al.* (2007: 33) elevated *newtoni* as a separate species.
Reviewed by Juste and Ibáñez (1992).

COMMON NAMES:
Czech: létavec nejmenší. English: Least Long-fingered Bat. French: Petit minioptère africain, Minioptère minuscule. German: Zwerg-Langflügelfledermaus. Italian: Miniòttero minóre, Miniòptere minóre.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of continuing problems with its taxonomy as well as absence of recent information on its extent of occurrence, ecological requirements and threats (Jacobs *et al.*, 2008n; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) [includes *occidentalis* Juste and Ibáñez, 1992] (Jacobs *et al.*, 2008n; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Jacobs *et al.*, 2004o; IUCN, 2004). 2003 - LR/nt (IUCN, 2003). 2001 - LR/nt (IUCN/SSC Action Plan, 2001). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is presumably threatened in parts of its range by habitat loss resulting from logging operations and the conversion of land to agricultural use.

CONSERVATION ACTIONS:
Jacobs *et al.* (2008n) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It has been recorded from the Kambai Forest Reserve in Tanzania by Cunneyworth (1996b). Further studies are needed into the taxonomy, distribution, natural history and threats to this poorly known species.

GENERAL DISTRIBUTION:
Miniopterus minor recorded from very few locations over a wide area. It has been reported from a small area on the border between Congo and the Democratic Republic of the Congo, a single locality in southwestern Democratic Republic of the Congo, and from a small area of coastal Kenya and Tanzania (including the island of Unguja [see O'Brien, 2011: 289]).

São Tomé (Koopman, 1993a: 231; Simmons, 2005: 521) removed by Juste [B.] *et al.* (2007: 33) due to the removal of *newtoni* as a separate species.

Native: Angola; Congo (Juste and Ibáñez, 1992: 363; Simmons, 2005: 521; Bates *et al.*, 2013: 337); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Juste and Ibáñez, 1992: 363; Van Cakenberghe *et al.*, 1999; Simmons, 2005: 521; Monadjem *et al.*, 2010d: 539); Kenya (Simmons, 2005: 521); Tanzania (Simmons, 2005: 521).

POPULATION:
Structure and Density - There are very few records of this species (Jacobs *et al.*, 2008n; IUCN, 2009). Trend - 2008 - Unknown (Jacobs *et al.*, 2008n; IUCN, 2009).

PARASITES:
Uchikawa (1985b: 50) described the mite *Calcarmyobia minoris* from *Miniopterus minor minor* from Similani Cave, 16 km S. of Mombasa, Coast Province, Kenya. Uchikawa (1985c: 110) also reported three female mites belonging to *Pteracarus miniopteri* Uchikawa, 1978 from bats from Kenya.

Adam and Landau (1973a: 5) and Landau and Adam (1973: 6) report on the presence of a protozoan parasite of the genus *Polychromophilus* (Haemoproteidae) in *M. minor minor* from the Republic of Congo. About 50 % of the specimens they examined, were found to be infected.

Gametocytes were found year-round. The bats were also infested by the nycteribiids *Penicillidia fulvida* Bigot, 1885 and *Nycteribia schmidlii scotti* Falcoz, 1923, of which the prior was a major carrier of *Polychromophilus* sporozoites. Garnham (1973: 237) reports the parasite as *Polychromophilus melanipherus*.
Landau and Adam (1973: 6) also report on another prozotoan parasite: *Hepatocystis*, of which schizonts were found in the liver and lungs.

Duval *et al.* (2012: 1559) indicate that the haemosporidan *Polychromophilus (Polychromophilus) adami* Landau et al., 1980 was described from *M. minor minor* specimens in the Republic of Congo (see Landau *et al.*, 1980: 27).

Lutz *et al.* (2016: 9) examined 13 *M. minor* specimens from East Africa and found five of them infected with *Polychromophilus melanipherus* Dionisi, 1899.

Nycteribiidae: *Nycteribia schmidlii* Schiner, 1853 (Haeselbarth *et al.*, 1966: 108).

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Miniopterus minor*: Astroviruses, Coronaviruses, Paramyxoviruses and Polyomaviruses.

Coronaviridae - Coronaviruses
SARS-CoV - Tong *et al.* (2009) tested 1 bat collected in Kenya during 2006 positive for the presence of coronavirus RNA in a fecal sample. 22.6 % (66 out of 292) of the Kenyan bats tested by Tao *et al.* (2017: 3) were positive for CoV.

Paramyxoviridae:
Paramyxovirus - Conrardy *et al.* (2014: 259) tested 16 bats from the Three Caves (Kenya) and found one of them to be positive. Mortlock *et al.* (2015: 1841) tested 151 Kenyan bats and found 14 to be positive.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Central African Republic, Comoros, Congo, Congo (Democratic Republic of the), Kenya, Madagascar, São Tomé and Principé, Tanzania.

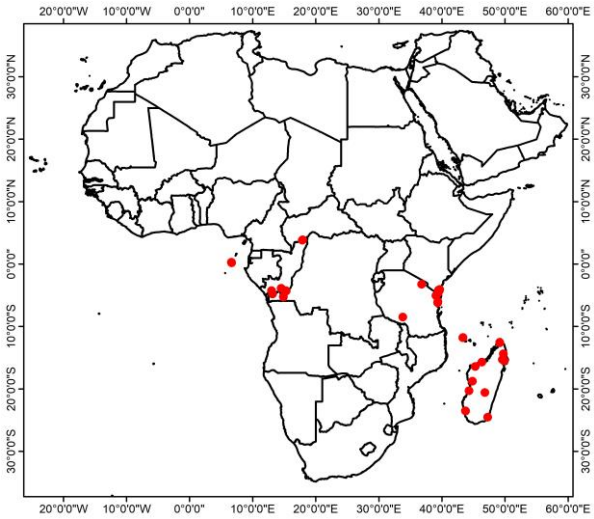

Figure 222. Distribution of *Miniopterus minor*

Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013

*2013. *Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, Zootaxa, 3746 (1): 123, 129, figs 3, 6, 7. Publication date: 10 December 2013. Type locality: Mozambique: Nampula province: outskirts of Nampula town: Bamboo Inn [15.10306 S 39.21748 E, 420 m] [Goto Description]. Holotype: FMNH 213651: ad ♂, skull and alcoholic. Collected by: Steven M. Goodman and Ara Monadjem; collection date: 9 October 2010; original number: SMG-16875. Paratype: FMNH 213652: ad ♂, alcoholic (skull not removed). Collected by: Steven M. Goodman and Ara Monadjem; collection date: 9 October 2010; original number: SMG-16876. - Etymology: Refers to the country from which the species was collected (see Monadjem *et al.*, 2013a: 129). (Current Combination)

COMMON NAMES:
English: Mozambique long-fingered bat. German: Mossambique-Langflügelfledermaus.

GENERAL DISTRIBUTION:
Native: Kenya (López-Baucells *et al.*, 2017: 20); Malawi; Mozambique; Zambia; Zimbabwe.

ECHOLOCATION:
Monadjem *et al.* (2013a: 139) mention a knee frequency of 55 kHz.

PARASITES:
BACTERIA:
Dietrich *et al.* (2018a: 4) report the presence of *Leptospira borgpetersenii*.

DIPTERA:
Streblidae: *Raymondia aspera* Maa, 1968 from Mozambique (Shapiro *et al.*, 2016: 254).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Malawi, Mozambique, Zambia, Zimbabwe.

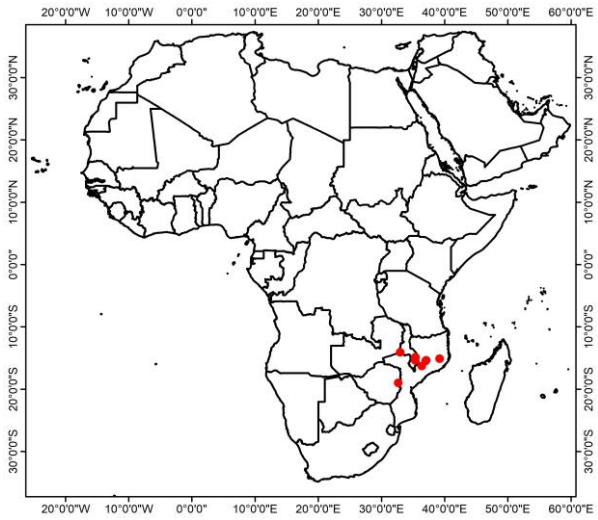

Figure 223. Distribution of *Miniopterus mossambicus*

Miniopterus natalensis (A. Smith, 1833)

*1833. *Vespertilio Natalensis* A. Smith, S. Afr. Quart. J., ser. 2, 1 (2): 59. Publication date: November 1833. Type locality: South Africa: KwaZulu-Natal: Durban [29 52 S 31 00 E] [Goto Description]. Cotype: BMNH 1846.6.2.19: Shared cotype for *Vespertilio natalensis* and *Vespertilio scotinus* - this needs further investigation as it is unlikely that Sundeval examined material described by Andrew Smith. It is possible that this co-type should only be assigned to one of these species. Cotype: BMNH 1848.6.12.19. - Comments: Concerning the type locality, Meester *et al.* (1986: 46) remark: "Durban nominated by Roberts (1951: 73)").

1840. *Vespertilio d'asythrix* Temminck, Monographies de mammalogie ou description de quelques genres de mammifères, dont les espèces ont été observées dans les différens musées de l'Europe. Tome Seconde, 2: 268. Publication date: 1840. Type locality: South Africa: "Interior of Caffraria" [Goto Description]. Syntype: BMNH 1849.8.16.25. Syntype: RMNH MAM.25093. - Comments: .

1846. *Vespertilio scotinus* Sundevall, Öfvers. kongl. Sv. Vet.-Akad. Förhandl., 3 (4): 119. Publication date: 1846. Type locality: South Africa: KwaZulu-Natal: Durban [29 52 S 31 00 E]. Cotype: BMNH 1846.6.2.19:. Shared cotype for *Vespertilio natalensis* and *Vespertilio scotinus* - this needs further investigation as it is unlikely that Sundeval examined material described by Andrew Smith. It is possible that this co-type should only be assigned to one of these species. - Comments: Type locality originally mentioned as "variis Caffrariæ locis allata"; Meester *et al.* (1986: 46) state: "Durban nominated by Roberts (1951: 74)".

1909. *Miniopterus breyeri* Jameson, Ann. Mag. nat. Hist., ser. 8, 4 (23): 471. Publication date: 1 November 1909. Type locality: South Africa: N Transvaal province: Waterberg district: Gat(s)koppies [Goto Description]. Holotype: BMNH 1909.7.2.6: imm ♀. Collected by: Henry Paul William Lyster Jameson; original number: 398.

1912. *Miniopterus natalensis arenarius* Heller, Smiths. Misc. Coll., 60 (12): 2. Publication date: 4 November 1912. Type locality: Kenya: Central province: Nanyuki district: Northern Guaso Nyiro: Nyuki (=Nanyuki) river [00 01 N 37 04 E] [Goto Description]. Holotype: USNM 181811: ad ♀. Collected by: Edmund Heller; collection date: 4 October 1911; original number: 4413. - Comments: Coordinates mentioned as 00 21 N 36 55 E by Thorn *et al.* (2009: 49). (Name Combination)

1927. *Miniopterus smitianus* Thomas, Proc. zool. Soc. Lond., 373. Publication date: 12 July 1927. Type locality: Namibia: E Damaraland, 40 mi (64 km) W of Gobabis: Witvlei. Holotype: BMNH 1926.12.7.15:.

? *Miniopterus africanus natalensis:* (Name Combination)

? *Miniopterus breyeri breyeri:*
? *Miniopterus fraterculus villiersi:*
? *Miniopterus natalensis dasythrix:* (Name Combination)
? *Miniopterus natalensis natalensis:* (Name Combination)
? *Miniopterus natalensis smitianus:* (Name Combination)
? *Miniopterus natalensis:* (Name Combination, Current Combination)
? *Miniopterus schreibersi arenarius:*
? *Miniopterus schreibersi dasythrix:*
? *Miniopterus schreibersi natalensis:* (Name Combination)
? *Miniopterus schreibersi:*
? *Miniopterus schreibersii natalensis A:*
? *Miniopterus schreibersii natalensis B:*
? *Miniopterus schreibersii natalensis:* (Name Combination)
? *Miniopterus schreibersii villiersi:* (Name Combination)
? *Miniopterus schreibersii:*
? *Vesperugo scotinus:*

TAXONOMY:
Considered a synonym of *schreibersi* by Koopman (1993a: 231). O'Shea and Vaughan (1980), Koopman (1994), Peterson *et al.* (1995) and Horácek *et al.* (2006: 105) suggested that *natalensis* may be distinct from *schreibersi*. Considered a valid species by Simmons (2005: 521).

Simmons (2005: 521) recognised *arenarius* Heller, 1912 as valid subspecies.

COMMON NAMES:
Czech: létavec natalský. English: Natal Long-fingered Bat, Natal Clinging Bat. French: Minioptère du Natal. German: Natal-Langflügelfledermaus, Südafrikanischen Sackfledermaus, Kaffern-Sackfledermaus. SiSwati: Lilulwane.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
This species is present in the later half of the upper Pleistocene sequence and in the late Holocene at Border Cave, and probably at Nkupe during the middle and late Holocene (Avery, 1991: 6). Further Holocene material is reported by Avery and Avery (2011: 20) from Blinkklipkop, Limerock, and Zoovoorbij (Northern Cape province, South Africa), who also reported Pleistocene remains from Wonderwerk.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008aj; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008aj; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Jacobs *et al.*, 2004ai; IUCN, 2004).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (MacEwan *et al.*, 2016b). 2004 - NT ver 3.1 (2001) [assessed as *M. schreibersii*] (Friedmann and Daly, 2004:263).
Swaziland: 2003 - NT B2ab(iv); D2 ver 3.1 (2001) [assessed as *M. schreibersii*] (Monadjem *et al.*, 2003: 184).

MAJOR THREATS:
In view of its wide range, there appear to be no major threats to this species. In parts of the species distribution it is locally threatened by habitat loss resulting from conversion of land to agricultural use, incidental poisoning with insecticides, and the disturbance of roosting and maternity caves by tourist activities (Jacobs *et al.*, 2008aj; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008aj) [in IUCN (2009)] report that there appear to be no conservation measures in place for this species. There is a need to identify and protect important roost sites (especially maternity caves). In view of the species wide range, it is presumably present in some protected areas. There is a need to better determine the range of this species when compared to that of *Miniopterus schreibersii*.

GENERAL DISTRIBUTION:
Miniopterus natalensis is a widely distributed species, recorded from southern and East Africa, with some records from Central African and from the Arabian Peninsula. In Africa it ranges south from Angola and southern Democratic Republic of the Congo, into Namibia, Botswana, South Africa, Lesotho, Mozambique, Malawi, Zimbabwe and Zambia, and from here north into Tanzania, Kenya, possibly Uganda, possibly southern Sudan

and possibly Ethiopia. On the Arabian Peninsula it has been reported from Saudi Arabia and Yemen (Harrison and Bates, 1991, Benda *et al.*, 2011b: 45). Because of frequent misidentification between this species and *Miniopterus schreibersii*, there is a need to carefully review the distribution of *Miniopterus natalensis*.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,227,870 km^2. In the RSA, its distribution is best predicted by geology (Babiker Salata, 2012: 50).

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 539); Botswana (Smithers, 1971; Monadjem *et al.*, 2010d: 539); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 539); Ethiopia (Lavrenchenko *et al.*, 2004b: 132); Kenya; Lesotho (Lynch, 1994: 191 [as "*M. schreibersii*"]; Monadjem *et al.*, 2010d: 539); Malawi (Happold *et al.*, 1988; Ansell and Dowsett, 1988: 35; Monadjem *et al.*, 2010d: 539); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 539; Monadjem *et al.*, 2010c: 385); Namibia (Monadjem *et al.*, 2010d: 340); Saudi Arabia; South Africa (Simmons, 2005: 521, Seamark and Kearney, 2007: 4; Monadjem *et al.*, 2010d: 540); Swaziland (Monadjem *et al.*, 2010d: 540); Tanzania (Stanley and Goodman, 2011: 47 as *M. schreibersii*); Yemen (Benda *et al.*, 2011b: 45); Zambia (Ansell, 1974; Ansell, 1978; Monadjem *et al.*, 2010d: 540); Zimbabwe (Monadjem *et al.*, 2010d: 540).

Presence uncertain: Sudan (Simmons, 2005: 521); Uganda.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Schoeman and Jacobs (2002: 157) reported the following wing parameters for one "*M. schreibersii*" specimen from the Algeria Forestry Station (RSA): Fa: 46.6 mm, Wing area: 137.7 cm^2, Wing span: 30.9 cm, Wing loading: 7.8 N/m^2, and aspect ratio: 6.9.

DENTAL FORMULA:
I $^2/_3$ C $^1/_1$ P $^2/_3$ M $^3/_3$ = 36 (van der Merwe, 1985a: 73).

van der Merwe (1985a: 73) also indicates that the deciduous tooth replacement starts in the lower jaw and is completed prior to that of the upper jaw. The replacement starts at an age of one and a half weeks. In general the replacement sequence is: i_3, i_1, c_1, i_2, p_4, p_3, and all teeth are replaced at week 5. In the upper jaw, the replacement starts two and a half weeks (p^4, p^3, i^2, i^3, c^1) and is generally completed in week 6

FUNCTIONAL MORPHOLOGY:
Moussy *et al.* (2012: 189), referring to Miller-Butterworth *et al.* (2003), indicate that isolation of different populations in South Africa has led to local adaptation in *Miniopterus schreibersii natalensis*, which is strongly associated with four biomes and results in differences in wing morphology and migratory behaviour. The animals from the northeastern population have a higher wing aspect ratio, which forms an advantage for long-distance flight, allowing for migrations over longer distances.

Brown (1999: 170) found that "*M. schreibersii*" is able to thermoregulate in temperatures between 5 and 40°C.

ECHOLOCATION:
See Jacobs (1999) and Taylor (1999b).

Schoeman and Waddington (2011: 291) mention a peak frequency of 51.1 ± 0.9 kHz and a duration of 6.8 ± 0.4 msec for specimens from Durban, South Africa.

For *Miniopterus natalensis* specimens from Swaziland and Namibia, Taylor *et al.* (2013b: 17) recorded the following parameters for 21 calls: F_{max}: 65.9 ± 5.76 (59.0 - 80.9) kHz, F_{min}: 53.7 ± 0.58 (52.5 - 54.9) kHz, F_{knee}: 56.5 ± 0.31 (55.7 - 57.0) kHz, F_{char}: 54.1 ± 0.78 (52.7 - 55.5) kHz, duration: 2.6 ± 0.48 (1.9 - 3.8) msec. Values for a further 11 specimens from Swaziland were reported by Monadjem *et al.* (2017c: 179): F_{min}: 53.2 ± 0.87 (51.3 - 54.8) khz, F_{knee}: 57.0 ± 0.96 (55.5 - 58.5) kHz, F_c: 53.6 ± 0.83 (51.6, 55.0) kHz and duration: 2.8 ± 0.37(2.2 - 3.7) msec. They also indicated that the maximum detection distance for this species is 5 m.

At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 56 (56 - 57) kHz.
Schoeman and Jacobs (2002: 157) reported a F_{peak} of 53.6 kHz for one "*M. schreibersii*" from the Algeria Forestry Station (RSA). Linden *et al.* (2014: 40) reported the following parameters from the Soutpansberg area (RSA): F_{min}: 52 - 55 kHz, F_{char}: 45 - 62 kHz, F_{knee}: 56 - 57 kHz, Slope: 235 - 622 OPS, duration: 2 - 4 msec.

Eisenring *et al.* (2016: SI 2) reported for 17 calls of bats from the Aberdares Range in Kenya the follow values: PF: 44.1 ± 3.5 (41.5 - 54.8), HF: 66.6 ± 17.7 (51.3 - 104.4), LF: 40.4 ± 1.5 (38.5 - 44.0), DT: 0.1 ± 0.0 (0.1 - 0.1), DF: 26.1 ± 17.5 (12.5 - 63.9), IPI: 1.0 ± 0.5 (0.5 - 2.5).

MOLECULAR BIOLOGY:
DNA - Teeling *et al.* (2017: 32) mention the assembly size for *M. natalensis* to be 1.80 Gb.

Karyotype - *M. schreibersii* from Namibia and South Africa now assigned to *M. natalensis*, were karyotyped by Rautenbach *et al.* (1993) who described the karyotype as having a diploid number of 2*n* = 46, aFN = 50, BA = 6, X = SM, Y = A.

Banerjee *et al.* (2017: 10) detected potential c-Rel binding sites in *M. natalensis*. This protein has a potential role in the DNA repair pathway as a regulator of inflammatory gene expression.

HABITAT:
Sirami *et al.* (2013: 34) recorded in the Western Cape Province, South Africa that *M. natalensis* activity was not significantly, nor positively influenced by size of wetland, while habitats 100 m surrounding wetlands were also significantly and positively influenced by the water body. *M. natalensis* prefered trees and orchards surrounding wetlands (Sirami *et al.*, 2013: 35).

Voigt *et al.* (2013: 751) investigated stable isotope ratios of carbon, nitrogen and hydrogen in the fur keratin of *M. natalensis* on the slopes of Mount Kilimandjaro and found that this species migrates seasonally between low and high elevations. They found that *M. natalensis* captured before and after the cold period at around 1,800 m above sea level originated from around 1,400 m a.s.l. or lower, which they suggest might be the result of a search for colder hibernacula at higher elevations.

HABITS:
van der Merwe (1973b: 380) indicates that in the Transvaal *M. natalensis* forms hibernating (winter) and maternity (summer) colonies, and he reports on maternity caves housing 50,000 to 100,000 animals. The bats usually form closely packed clusters, hanging from the roofs of caves, although some might be hanging against the walls. Hibernation started at the beginning of May and lasted until the end of July.

At De Hoop Nature Reserve (Western Cape Province, South Africa), Thomas and Jacobs (2013: 124) found that *M. natalensis* emerged significantly later during early summer than in late summer.

ROOST:
van der Merwe (1973b: 380) reports "*M. schreibersi natalensis*" to occur in colonies of hundreds or thousands of animals occupying a wide range of caves. At Peppercorn's cave and at Sandspruit Cave No. 1 clusters of 50,000 and 100,000 individuals were reported.

van der Merwe (1973a: 133) found that the bats preferred caves with lower temperature for hibernation.

Brown (1999: 171) reported the mean temperature in tunnel roosts is on average 19.5°C in summer (max: 22°C) and 14°C in winter.

DIET:
At the Umbilo River (KwaZulu Natal, RSA), Naidoo *et al.* (2011: 26) found the following percentage volume diet composition: Lepidoptera (35.7 ± 10.3), Coleoptera (11 ± 9.1), Hemiptera (28.3 ± 12.9), and Trichoptera (25.0 ± 13.9). No data were provided for the winter.

Schoeman and Jacobs (2002: 157) reported the following volume percentages found in 20 faecal pellets from one "*M. schreibersii*" from the Algeria Forestry Station (RSA): Diptera (49), Hemiptera (33), Lepidoptera (6), Coleoptera (6), and Trichoptera (6).

For 21 "*M. schreibersii*" specimens from Sudwala (RSA), Jacobs (2000: 201) reported the following prey proportions: Lepidoptera (23.1 ± 31.2), Coleoptera (4.5 ± 16.7), Isoptera (70.8 ± 32.2), Diptera (0.6 ± 2.3), Hemiptera (0.6 ± 2.3), and Mantodea (0.4 ± 0.3).

PREDATORS:
Avery *et al.* (2005: 1054) found this species (reported as *M. schreibersii*) to be present in pellets from *Tyto alba* in South Africa.

POPULATION:
Structure and Density - This species can be found in colonies of more than 2,500 animals (Jacobs *et al.*, 2008aj; IUCN, 2009). Mason *et al.* (2010: 165) observed that the number of bats in the De Hoop maternity chamber increased from a few hundred to several thousand from 18th August to the 25 September 2006.
Trend - 2008 - Unknown (Jacobs *et al.*, 2008aj; IUCN, 2009).

LIFESPAN:
Based on mark-recapture techniques, van der Merwe (1989b: 87) determined the maximum life expectancy for this species in the wild to be 13 years.

REPRODUCTION AND ONTOGENY:
Delayed implantation, insemination, ovulation and fertilization occur in the autumn (April to May in South Africa, see Bernard *et al.* (1991: 31), as *M. schreibersii*). Embryogenesis proceeds to the blastocyst stage and development is then retarded

until arousal in spring, when the blastocyst implants and embryogenisis resumes (van der Merwe, 1980). van der Merwe (1982b: 319) also mentions that implantation is centric and superficial in the right uterine horn, as was already noticed by Ginther (1967: 580) and van der Merwe (1996: 154), who also indicated [referring to Matthews (1941)], that the implantation occurs in the uterine horn opposite to the ovary containing the corpus luteum. van der Merwe (1979a: 17) and Bernard (1980a: 55) indicated that the delayed implantation period for "*M. schreibersi natalensis*" lasted for four months (120 days), which is as long as the active fetal growth period, giving a gestation period of 240 days. van der Merwe (1981: 172) presented the following formula to calculate the embryo's age in days (t) based on its body mass (W): $t = W^{1/3}/0.0145 + 144$.

Bernard and Davison (1996: 218) investigated the relation between calcium availability (from the poor source that insects are) and the reproduction of "*M. schreibersii*" and found that seasonal changes in insect abundance could not explain the delayed implantation, but that lactating females nevertheless had the lowest bone calcium concentrations. This is probably the reason why parturition occurs in seasons with maximum insect availabitiy.

Mason *et al.* (2010: 165) found at De Hoop that in mid August 2006 the bats sampled were either not pregnant or at a very early stage of pregnancy and no embryos were present. However, on the 8th September the first bat sampled was pregnant and carried an embryo at the limb bud stage (CS13), this is found approximately the same time of year as those of the KwaZulu Natal and Eastern Cape populations. No twins were observed and pregnant bats collected on the same day never had embryos from only one stage of development (Mason *et al.*, 2010). Mason *et al.* (2010: 168) found that the period of early to mid-embryonic development (CS11 to CS21) occurred over a period of about two weeks in both years sampled, however this period appeared to occur about two weeks later in 2008 than in 2006, this delay in pregnancy may be due to environmental factors. Also the embryonic stages were not the same among individuals sampled on the same day, indicating that although reproductive events may be synchronous (within the period of a month) in this species, exact developmental events were not highly synchronized between individuals.

At the Gatkop cave (RSA), Dietrich *et al.* (2018b: 4) were only able to trap non-scrotal males in September 2015. In November 2015, 90 % of the females they trapped had given birth very recently, and in January 2016, large amounts of juveniles were present, together with post-lactating females.

The mass of pregant females varied greatly and was not correlated to the developmental stage of the embryos that they carried (Mason *et al.*, 2010: 165).

Mason *et al.* (2015) studied the embryological development of the fore- and hindlimbs, and found that that the transcription factor *Meis2* has a significantly higher expression in bat forelimb autopods compared to hindlimbs. Eckalbar *et al.* (2016: 528) found over 7,000 genes and noncoding RNAs (incl. Tbx5-as1 and Hottip), that were differentially expressed between forelimb and hindlimb, and across different stages of development.

MATING:
van der Merwe (1973b: 384) reported that the period of mating was still uncertain, although he assumed that it occurred at the wintering caves prior to hibernation.

PARASITES:
BACTERIA:
Dietrich *et al.* (2016b: 3) tested 17 bats from Irene (RSA) and found two testing positive for *Bartonella* and one for *Rickettsia*. Five out of 8 bats from Vanderkloof Dam (RSA) also tested positive for *Bartonella*.
Dietrich *et al.* (2015a: 3) reported the presence of the Enterobacteria *Hafnia* and *Nitrococcus*. They also found *Leptospira* in the urine sample, and *Bartonella* in urine and saliva samples. Dietrich *et al.* (2018a: 4;2018b: 4) reported the presence of bacteria related to *Leptospira borgpetersenii* and a second group closely related to *L. interrogans* and *L. kirschneri*.

HAEMOSPORIDA
Schaer *et al.* (2013a: 17416) report the presence of hemosporidian parasites of the genus *Polychromophilus* in three out of 12 investigated *M. villiersi* specimens from West Africa. Lutz *et al.* (2016: 9) examined 42 *M. natalensis* specimens from East Africa and found 20 of them infected with *Polychromophilus melanipherus* Dionisi, 1899.
Kassahun *et al.* (2015: 168) examined two *M. arenarius* specimens from Masha (Ethiopia), and found one of them to be infected by *Leishmania* parasites.

Gastro-intestinal
Helminthes - See Ortlepp (1932) and Junker *et al.* (2008a).

NEMATODA:
Genov *et al.* (1992) reported *Molinostrongylus omatus* (Mönnig, 1927) from *M. natalensis* from

South Africa. Ramasindrazana *et al.* (2016: 2) indicate that *Litomosa chiropterorum* Ortlepp, 1932 (Onchocercidae) was redescribed from a *M. natalensis* population from South Africa. This Nematode was already reported from a bat from Katanga (DRC) by Durette-Desset and Chabaud (1975: 304).

ACARI:
Uchikawa (1985a: 15) corrected the type host for *Calcarmyobia rhinolophi* (Acari: Myobiidae) from *Rhinolophus lobatus* to *Miniopterus natalensis arenarius*. Uchikawa (1985a: 19) also reported that the type specimens of *Miniopterus breyeri*, *M. dasythrix*, and *M. scotinus* harboured the "atypical" form of *Calcarmyobia congoensis* Uchikawa, 1982, and he also (Uchikawa, 1985a: 22) mentioned *Calcarmyobia kenyaensis* Uchikawa, 1982 on "*Miniopterus schreibersi*" from Belgian Congo and on "*Miniopterus schreibersi arenarius*" (and *M. natalensis arenarius*) from Kenya. Uchikawa (1985c: 110) furthermore reported on the presence of *Pteracarus miniopteri* Uchikawa, 1978 on bats from South Africa, Kenya, Zambia, Uganda, Cameroon, Namibia (as either *M. natalensis arenarius*, *M. schreibersi arenarius*, *M. schreibersi natalensis*, *M. schreibersi villiersi* or *M. smitianus*).

DIPTERA
Streblidae: *Ascodipteron africanum* Jobling, 1939 from Kapretwa and Mt. Kenya, Kenya, other records referred to this species are misidentification (Haeselbarth *et al.*, 1966: 106). *Ascodipteron theodori* Maa 1965 from Rooiberg, South Africa (Haeselbarth *et al.*, 1966: 106). *Raymondi waterstoni* Jobling 1931 which may be accidental (Haeselbarth *et al.*, 1966: 104) (see also Shapiro *et al.*, 2016: 256).
Nycteribiidae: *Nycteribia capensis* Karaman, 1939 from the Cape and Pietermaritzburg, South Africa (Haeselbarth *et al.*, 1966: 108). *Nycteribia latiterga* Theodor, 1957 from Mt. Menengai, Kenya (Haeselbarth *et al.*, 1966: 108). *Nycteribia schmidlii* Schiner, 1853 (Zumpt, 1950: 97; Haeselbarth *et al.*, 1966: 108; Blackwell, 1980: 146 - infected by the fungus *Arthrorhynchus eucampsipodae* Thaxter, 1901). *Penicillidia fulvida* (Bigot, 1885) (Haeselbarth *et al.*, 1966: 114; Blackwell (1980: 144 - infected by the fungus *Arthrorhynchus nycteribiae* (Peyritsch) Thaxter).

SIPHONAPTERA:
Ischnopsyllidae: *Oxyparius isomalus* (Waterston, 1915) known from several localities in southern Africa (Transvaal, Natal of South Africa, Botswana and Namibia) and from the foothills of Mt. Elgon, Kenya (Haeselbarth *et al.*, 1966: 188). *Rhinolophopsylla ectopa* (Jordan, 1937) found in a cave in the foothills of Mt. Elgon, Kenya (Haeselbarth *et al.*, 1966: 191).

ACARI:
Argasidae: *Argas vespertilionis* (Latreille, 1802) from a "*M. schreibersi*" from Pretoria (see Howard, 1908: 168).
Dermanyssidae: Zumpt and Till (1954: 49) report *Steatonyssus natalensis* Zumpt and Patterson, 1951 from bats from Natal. Zumpt (1950 92) found a new mite of the genus *Bdellonyssus*.
Macronyssidae: Zumpt (1950: 89) described *Hirstesia transvaalensis* from bats from the Sterkfontein cave (RSA).
Myobiidae: *Myobia miniopterus* Womersley, 1941 (see Zumpt, 1950: 92).
Spinturnicidae: *Spinturnix semilunaris* De Meillon and Lavoipierre, 1944 (see Zumpt, 1950: 92).

VIRUSES:
Bunyaviridae
Phlebovirus
Rift Valley Fever Virus (RVFV) - Oelofsen and Van der Ryst (1999) tested [as *M. schreibersi*] 49 individuals from one locality in the Free State Province, South Africa for RVFV antigen using an enzyme linked immunosorbet assay (ELISA), none tested positive.

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested [as *M. schreibersi*] between 1986 and 1999, for antibody to SARS-CoV in sera in one individual from Limpopo Province, South Africa, none were tested positive (0/1). Tong *et al.* (2009) tested 1 bat collected in Kenya during 2006 positive for the presence of coronavirus RNA in a fecal sample. Nine out of 53 (17 %) Kenyan bats tested by Tao *et al.* (2017: Suppl.) was positive for CoV.
One out of 14 specimens tested by Geldenhuys *et al.* (2013: 517) from Irene Caves, Gauteng, RSA tested positive for CoV.

Paramyxoviridae
Conrardy *et al.* (2014) detected a paramyxovirus sequence in one of eight bats sampled in Kenya. This virus does not group with the known paramyxoviruses and remains an unclassified paramyxovirus.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Duvenhage - van der Merwe (1982a) implicated *Miniopterus schreibersii*, as an isolate of the virus but the bat was never positively identified. This record was also referred to by Hayman *et al.* (2011a: 88), who indicated that the bas was possibly a *M. natalensis*.
Rabies - Oelofsen and Smith (1993) tested [as *M. schreibersi*] 137 individual brains, from 5 localities by means of the "Rapid rabies enzyme

immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

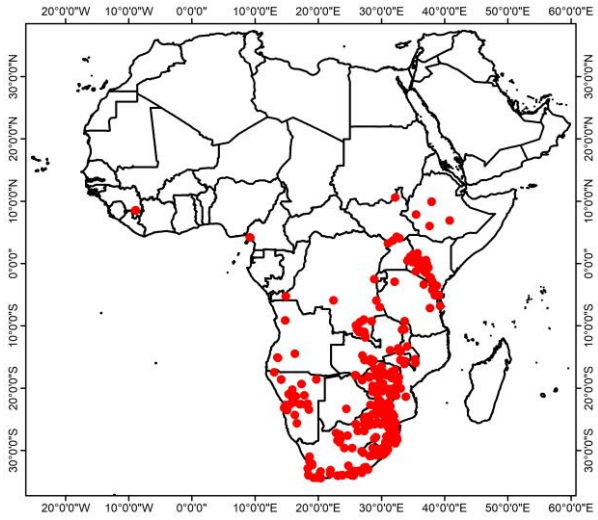

Figure 224. Distribution of *Miniopterus natalensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Botswana, Cameroon, Congo (Democratic Republic of the), Ethiopia, Greece, Guinea, Kenya, Lesotho, Malawi, Mozambique, Namibia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe.

Miniopterus newtoni Bocage, 1889

*1889. *Miniopterus Newtoni* Bocage, J. Sci. mat. phys. nat., ser. 2, 1 (3): 198. Publication date: December 1889. Type locality: São Tomé and Principé: São Tomé Island [Goto Description]. Neotype: EBD MAM 17350: ad ♂, skull and alcoholic. Collected by: Javier Juste and Carlos J. Ibáñez Uargui; collection date: 4 April 1988. São Tomé Island, Santa Catarina, in a cave near the seashore (00 16 N 06 29 E), designated as neotype by Juste and Ibáñez (1992: 361). (Current Combination)

? *Miniopterus newtoni:* (Current Spelling)

TAXONOMY:
Recognised as a synonym (Koopman, 1993a: 231) or a subspecies (Simmons, 2005: 521) of *M. minor* Peters, 1867. Removed from *minor* by Juste [B.] *et al.* (2007: 33), based on mtDNA analyses. Juste and Ibáñez (1992: 361) designated a neotype for *newtoni* Bocage, 1889.

COMMON NAMES:
Czech: létavec tomášský. English: Sao Thome Long-fingered bat. French: Minioptère de São Tomé. German: Sao Thome Langflügelfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Juste, 2008b; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Juste, 2008b; IUCN, 2009).

MAJOR THREATS:
The threats to this species are not well known (Juste, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Juste (2008b) [in IUCN (2009)] reports that it is not known if the species is present in any protected areas. Further studies are needed into the natural history and threats to this species.

GENERAL DISTRIBUTION:
Miniopterus newtoni is endemic to the island of São Tomé (São Tomé and Príncipe) where it is widespread (Juste [B.] *et al.*, 2007).

Native: São Tomé and Principe (Koopman, 1993a: 231 [as *minor*]; Simmons, 2005: 521 [as *minor*]; Juste [B.] *et al.*, 2007; Rainho *et al.*, 2010a: 33).

ECHOLOCATION:
Rainho *et al.* (2010a: 21) reports the calls of 14 individuals from São Tomé.

POPULATION:
Structure and Density - It is a common species (Juste B. and Ibáñez, 1994b).
Trend - 2008 - Unknown (Juste, 2008b; IUCN, 2009).

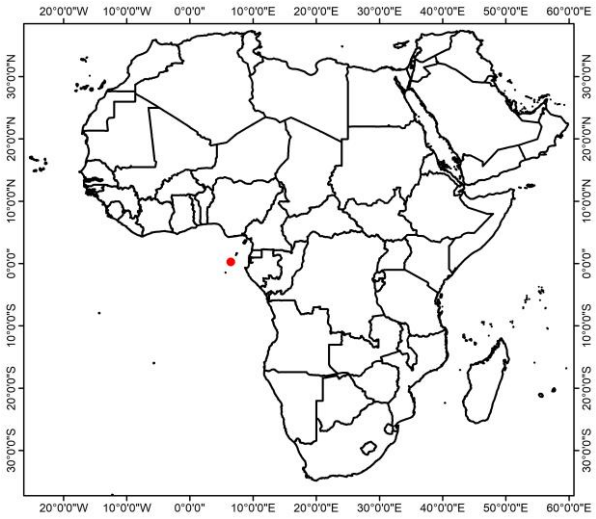

Figure 225. Distribution of *Miniopterus newtoni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
São Tomé and Principé.

Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008

2007. *Miniopterus cf. sororculus:* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, J. Mamm., 88 (5): 1229.

2008. *Miniopterus cf. petersoni:* Goodman, Bradman, Maminirina, Ryan, Christidis, and Appleton, Mamm. biol., 73: 202.

*2008. *Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis and Appleton, Mamm. biol., 73: 199, 200, 201, figs 2 - 5. Type locality: Madagascar: Province de Toliara: Cascade de Manantantely: Tolagnaro, 5.2km NW [2459.343S 4655.370E, 65m]. Holotype: FMNH 194136: ad ♂. Collected by: Steven M. Goodman; collection date: 20 February 2007; original number: SMG 15833. Paratype: USNM 577096. Paratype: USNM 577097. Paratype: USNM 577098: Collected by: G. Kenneth Creighton and E. Raholimavo; collection date: 19-30 October 1990. Paratype: USNM 577099. Paratype: USNM 577100. Paratype: USNM 577101. - Etymology: The name *petersoni* is a patronym in honour of Randolph L. Peterson of the Royal Ontario Museum, Toronto, Canada, who made pioneering contributions to the study of Malagasy bats, based on a 1967 collecting trip to the island, as well as other fields in mammalogy (Eger and Mitchell, 1990; Goodman *et al.*, 2008a). (Current Combination)

TAXONOMY:
See Goodman *et al.* (2008a).

COMMON NAMES:
Czech: létavec Petersonův. English: Peterson's Long-fingered Bat. French: Minioptère de Peterson. German: Petersons Langflügelfledermaus.

SIMILAR SPECIES:
See Goodman *et al.* (2008a).

CONSERVATION STATUS:
Global - This species is listed as Data Deficient (DD ver 3.1 (2001)) because although it appears to have a restricted range in the southeast of Madagascar and is associated with forest, there is taxonomic uncertainty about specimens from the north of Madagascar (which if proved valid would greatly extend the known range). There is also limited information on the population status and threats to this species (Jenkins and Rakotoarivelo, 2008b; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jenkins and Rakotoarivelo, 2008b; IUCN, 2009).

MAJOR THREATS:
Although robust data are lacking and there are still some taxonomic uncertainties of specimens from the north of Madagascar, the information on *M. petersoni* from the southeast suggests that this species is closely associated with natural forest formations and is therefore threatened by the loss or degradation of these habitats (Goodman *et al.*, 2008a). Threats to roosting colonies have not yet been documented (Jenkins and Rakotoarivelo, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Jenkins and Rakotoarivelo (2008b) [in IUCN

(2009)] report that none of the known collecting localities for verified specimens of this species are from within protected areas (Goodman *et al.*, 2008a). The taxonomic status of specimens from north Madagascar requires further study.

GENERAL DISTRIBUTION:
Miniopterus petersoni is endemic to the island of Madagascar and appears to be restricted to lowland (< 550 m elevation) habitats in the south-east (Goodman *et al.*, 2008a).

Schoeman *et al.* (2014: 28, 31) found the most suitable area for this species to be located in the southeastern part of the island, but reaching along the coast to the northeast, where the suitability seems to increase again (eastern humid forest or lowland forest region - humid).

The taxonomic status of specimens from the north of Madagascar remain unresolved (Goodman *et al.*, 2008a).

Native: Madagascar (Goodman *et al.*, 2008a).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Goodman *et al.* (2008a).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Goodman *et al.* (2008a).

ECHOLOCATION:
Low-duty cycle, frequency modulated/quasi constant (FM/QCF) echolocation call, with a peak frequency of 53.2 kHz (52.0 - 53.9 kHz) and a duration of 2.9 ms (2.5 - 3.3 ms) (Goodman *et al.*, 2011: 9).
Ramasindrazana *et al.* (2011: 294) recorded 6 calls from 1 *Miniopterus petersoni* specimen, and found the following echolocation call values: Frequency of maximum energy: 53.2 ± 0.75 (52.0 - 53.9) kHz, Maximum frequency: 106.5 ± 6.66 (95.0 - 115.0) kHz, Minimum frequency: 49.0 ± 0.63 (48.0 - 50.0) kHz, Call duration: 2.9 ± 0.32 (2.5 - 3.3) ms, Inter pulse interval: 71.0 ± 4.63 (63.8 - 76.7) ms.

MOLECULAR BIOLOGY:
DNA - See Goodman *et al.* (2008a).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
See Goodman *et al.*, 2008a).

HABITS:
See Goodman *et al.* (2008a).

ROOST:
See Goodman *et al.* (2008a).

MIGRATION:
May be involved in seasonal migrations between cave roost sites (Goodman *et al.*, 2008a).

POPULATION:
Structure and Density - This species was only formally described in 2008 and there is no information on its population (Goodman *et al.*, 2008a).
Trend - 2008 - Unknown (Jenkins and Rakotoarivelo, 2008b; IUCN, 2009).

PARASITES:
Tortosa *et al.* (2013: 4) and Ramasindrazana *et al.* (2017: Suppl.) reported the presence of the Nycteribiid bat flies *Nycteribia stylidiopsis* and *Penicillidia leptothrinax*. The latter is also reported by Wilkinson *et al.* (2016).

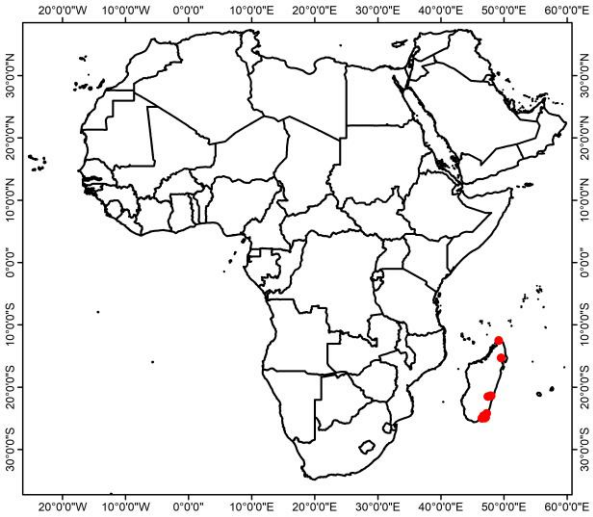

Figure 226. Distribution of *Miniopterus petersoni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Miniopterus schreibersii (Kuhl, 1817)

*1817. *Vespertilio schreibersii* Kuhl, Die Deutschen Fledermäuse, Hanau, 14. Type locality: Romania: S Ban(n)at Mnts, near Coronini, left bank Danube: Kolumbács Cave [=Kulmbazer cave] [ca. 44 37 N 21 40 E]. - Comments: Turni and Kock (2008) mention that the type and three "doublets" should have been present in the NMW, but are no longer found. - Etymology: In honour of Karl Franz Anton, Ritter von Schreibers (1775 - 1852), then director of the Vienna Museum (Flannery, 1995a: 378; 1995b: 452; Kozhurina, 2002:

17).

1827. *Vespertilio Screbersii:* Lesson, Manuel de Mammalogie, 89. (Lapsus)

1953. *Miniopterus schrebersii:* Harrison, Durban Mus. Novit., 4 (5): 65. Publication date: 30 June 1953. (Lapsus)

1956. *Miniopterus inflatus villiersi* Aellen, Bull. IFAN, (A) 18: 890. Type locality: Guinea: Dalaba: Grotte du Marché [10 42 N 12 15 W] [Goto Description]. Holotype: MHNG IFAN 54-1-1: ad ♂. Collected by: A. Villiers; collection date: 16 April 1954; original number: 2839. Former number IFAN: 54-1-1. - Comments: Considered a valid subspecies by Fahr and Ebigbo (2003: 128; 2004: 73), Fahr (2007a: 104). Aellen (1956a: 891) mentions 2 ♂♂ and 5 ♀♀ paratypes.

1995. *M[iniopterus] screibersi:* Pavlinov, Borissenko, Kruskop and Jahonton, Arch. Zool. Mus., Moscow State Univ., 133: 119. (Lapsus)

2006. *Miniopterus (schreibersii) villiersi:* Fahr, Djossa and Vierhaus, Rapid assessment of bats (Chiroptera) in Déré, Diécké and Mt. Béro classified forests, southeastern Guinea; including a review of the distribution of bats in Guinée Forestière., 40: 74. (Name Combination)

2013. *Miniopterus schreibersiias:* Shi, Sci. China Life Sci., 56 (8): 679. (Lapsus)

2017. *Miniopterus screibersii villiersi:* Reardon and Schoeman, Acta Chiropt., 19 (2): Suppl.. Publication date: December 2017. (Lapsus)

? *Miniopterus schreibersi schreibersi:* (Name Combination)

? *Miniopterus schreibersii dasythrix:* (Name Combination)

? *Miniopterus schreibersii schreibersii:* (Name Combination)

? *Miniopterus schreibersii villiersi:* (Name Combination)

? *Miniopterus schreibersii:* (Name Combination, Current Combination)

TAXONOMY:

Molecular systematics and biogeography are discussed by Appleton *et al.* (2004: 436 - 437), who indicate that based on their data *M. schreibersii* would be restricted to Europe and North Africa; the Ethiopian representatives would belong to a second species and the Oriental-Australian a third (see also Stadelmann *et al.*, 2004b: 188). Tian *et al.* (2004: 303) confirm the views presented by Appleton *et al.* (2004), and suggest *M. schreibersii* for the European specimens, *M. fuliginosus* for the Asian representatives and *M. oceanensis* for the Australian ones (which was already suggested by Maeda (1982), although he separated the specimens from Hainan from the other Asian representatives, which is no longer supported by Appleton *et al.* (2004).

Reviewed by Crucitti (1976) and Hill (1983).

If *Miniopterus schreibersii* is restricted to northern Africa, then *Miniopterus inflatus villiersi* Aellen, 1956 should possibly be assigned to *Miniopterus natalensis*.

Fahr *et al.* (2006a: 74) and Monadjem *et al.* (2016y: 371) indicate that *villiersi* might possibly represent a distinct species, restricted to the Upper Guinea forest zone.

COMMON NAMES:

Albanian: Lakuriq nate I Schreiber-it. Afrikaans: Schreibers se grotvlermuis, Schreiber-grotvlermuis. Basque: Schreiber saguzarra. Bosnian: dugokrili slijepi miš. Catalonian (Spain): Rat penat de cova, Ratapinyada de cova. Czech: létavec evropský, nedopír širokouchý, létavec stěhovavý. Dutch: (Grote) Langvleugelvleermuis, Schreiber's vleermuis. English: Schreiber's Bat, Long-wing Bat, Schreibers's Long-fingered Bat, Schreibers's Bent-winged Bat, Common Bent-winged Bat, Common Bentwing Bat, Greater Bent-winged Bat, Large Bentwing Bat, Bent-winged bat, Common Long-fingered Bat. French: Minioptère de Schreibers, Minioptère à longues ailes, Chauve-souris de Schreiber, Minioptère. Gallician (Spain): Morcego das covas. German: Langflügelfledermaus, Gemeine Langflügel-fledermaus, Schreibers Langflügelfledermaus, Europäische Sackfledermaus. Greek: Πτρυγονυχτερίδα. Hungarian: törpe denevér, Hosszúszárnyú denevér, Nycteris i macropterys. Indonesian: Kelelawar mini schreiber, Tomosu Biasa, Kelelawar mini biasa. Italian: Miniottero, Miniòttero di Schrèibers, Miniòptero di Schrèibers. Macedonian: Dolgokrilest Liljak. Maltese: Farfet il-Lejl ta' Xrajber. Portuguese: Morcego-de-peluche, Morcego de schreiber. Roman: Minopter ad ala lunga. Romanian: Liliac-cu-aripi-lungi. Russian: Обыкновенный длиннокрыл, (Obyknovennyj dlinnokryl). Slovenian: dolgokrili netopir. Spanish (Castillian): Murciélago de cueva.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:

Gunnell *et al.* (2015a: 22) report skeletal remains from a Pleistocene deposit at Olduvai Gorge (Tanzania), which they assigned to *Miniopterus* cf.

M. schreibersi.

CONSERVATION STATUS:
Global - Listed as Near Threatened NT ver 3.1 (2001). Significant population declines and range contractions have been recorded in a number of range states and although it is stable in the Balkans and Turkey, overall the rate of population decline may approach 30 % (almost qualifies as VU under A2a) (Hutson *et al.*, 2008c; IUCN, 2009).

Assessment History -
2008 - NT ver 3.1 (2001) (Hutson *et al.*, 2008c; IUCN, 2009). 2004 - LC ver 3.1 (2001) [included *natalensis*] (Schlitter, 2004i; IUCN, 2004). 1996 - LR/nt [included *M. natalensis*] (Baillie and Groombridge, 1996).

Regional -
Mediterranean: 2008 - NT ver 3.1 (2001) (IUCN, 2009).

MAJOR THREATS:
The main threat in Africa is disturbance in roosts. In Europe, the disturbance and loss of underground habitats and pesticide use may threaten this species. In the Caucasus, disturbance caused by tourism in caves is a problem (K. Tsytsulina *pers. comm.,* 2005).

The cause of recent mass mortality events is unknown. In 2002 mass mortalities of this species were reported for populations in France, Spain and Portugal. There are also historical records for such mortalities in Italy, Australia and a possible incidence in Iran. A meeting was held at the 9th European Bat Research Symposium to discuss these incidents. Veterinary investigations in Spain did not identify any disease as the cause of the die offs, and there is increasing belief that the die offs are caused by bad weather in late winter/early spring (Hutson *et al.*, 2008c; IUCN, 2009).

The species's small range, cave/tree roosting and aerial hawking feeding style are believed to be the most important risk factors in view of climatic change (Sherwin *et al.*, 2012: 174).

CONSERVATION ACTIONS:
Hutson *et al.* (2008c) [in IUCN (2009)] report that in Europe, it is protected by national legislation in most range states. There are also international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern Convention in parts of the range where these apply. It is included in Annex II (and IV) of the EU Habitats and Species Directive, and hence requires special measures for conservation including designation of Special Areas for Conservation. There is some habitat protection through Natura 2000, and some roosts are already protected by national legislation. There have been a number of LIFEfunded projects for this species in Spain, Italy, Romania and Germany.

The species is found in many protected areas throughout its range.

Care is required when fencing caves to minimise mortality. Further research is required into the causes of the recent mass mortality events.

GENERAL DISTRIBUTION:
Miniopterus schreibersii occurs from south-western Europe and North and West Africa through Anatolia and the Middle East to the Caucasus. In Africa it is known from records in North Africa (Morocco, Algeria, Tunisia, Libya), and West Africa (Guinea, Sierra Leone, Liberia, Nigeria, Cameroon). It is patchily distributed over its range in some huge and vulnerable colonies. It typically occurs at altitudes of up to 1,400 m asl (commuting up to 2,600 m asl).

Native: Afghanistan; Albania; Algeria; Armenia; Azerbaijan; Bosnia and Herzegovina; Bulgaria; Cameroon; Croatia; Cyprus; France [Corse]; Georgia; Gibraltar; Greece [East Aegean Isands; Kriti]; Guinea (Decher *et al.*, 2016: 274 as *M. s. villiersi*); Holy See [Vatican City State]; Hungary; Israel; Italy [Sardegna, Sicilia]; Jordan; Lebanon; Liberia; Macedonia, the former Yugoslav Republic of; Malta; Monaco; Montenegro; Morocco (Benda *et al.*, 2010a: 158; El Ibrahimi and Rguibi Idrissi, 2015: 364); Nigeria; Palestinian Territory, Occupied; Portugal; Romania; Russian Federation; San Marino; Serbia; Sierra Leone; Slovakia; Slovenia; Spain [Baleares]; Switzerland; Syrian Arab Republic; Tunisia (Dalhoumi *et al.*, 2014: 53; 2016b: 867); Turkey.
Possibly extinct: Austria.
Regionally extinct: Germany; Ukraine.
Presence uncertain: Libyan Arab Jamahiriya.

DETAILED MORPHOLOGY:
Bhide (1979: 1) described the anatomy, histology and histochemistry of this bat's stomach

In Korea, three types of lingual papillae were on the tongue by Park and Lee (2009: 267): filiform, fungiform, and circumvallate.

Cebesoy and Karakas (2013: 382) report on the muscle fiber types in primary flight muscles of specimens from Turkey, where they recognized three types: I, IIa, and IIb, which respectively make up 14 %, 70 % and 16 % of the *serratus ventralis*. In their study on take-off performance, Gardiner *et al.* (2014: 1059) determined a wing beat frequency of 11.95 ± 0.17 Hz.

ECHOLOCATION:
The data for 61 animals from Greece are the following: F_{start}: 93.0 ± 11.84 kHz, F_{end}: 50.8 ± 1.16 kHz, F_{peak}: 54.9 ± 5.32 kHz, bandwidth: 17.8 ± 14.30 kHz, duration 6.7 ± 1.29 msec and interpulse interval: 94.1 ± 35.73 msec (Papadatou *et al.*, 2008b: 133). Walters *et al.* (2012: suppl.) report the following figures for 31 calls from France, Greece, Italy and Switzerland: duration: 6.37 ± 2.89 msec, F_{max}: 73.24 ± 12.13 kHz, F_{min}: 49.75 ± 1.33 kHz, bandwidth: 23.49 ± 11.29, F_{peak}: 52.02 ± 1.68 kHz. Davies *et al.* (2013b: Table S8) report a peak frequency of 56.07 kHz and a range between 52.1 and 85.2 kHz.

From Morocco, Disca *et al.* (2014: 226) indicate that the type of call is FM-QFC, with the following parameters: F_{start}: 97.3 ± 11.3 kHz, F_{end}: 50.6 ± 1.4 kHz, F_{peak}: 53.4 ± 1.2 kHz, $F_{QFC\text{-}peak}$: 52.3 ± 1.1 kHz, bandwidth: 43.2 ± 11.4 kHz, duration: 6.2 ± 1.2 msec.

MOLECULAR BIOLOGY:
DNA - Barragán *et al.* (2002), Appleton *et al.* (2004), Tian *et al.* (2004), Bilgin *et al.* (2006, 2008).

Karyotype - Matthey and Bovey (1948) and Bovey (1949) described the karyotype from Switzerland as having a diploid number of 2*n* = 46, aFN = 48, X = submetacentric, Y = acrocentric. Rushton (1970: 463) reported 2*n* = 46, FN = 50, X = metacentric, Y = minute. Capanna and Civitelli (1965 - Italy), Baker *et al.* (1974 - Tunisia), Bickham and Hafner, 1978 - Yugoslavia), Zima (1978 - Czechoslovakia), Pérez-Suárez *et al.* (1991 - Spain), Albayrak (2006 - Turkey) found the fundamental number to be aFN = 50, and X = metacentric for Zima (1978). The autosomal chromosomes contain two large metacentrics, one medium-sized metacentric, 17 acrocentric and two dot-like pairs (one of these pairs may be bi-armed) (Arslan and Zima, 2014: 14). In Turkey, Asan Baydemir (2015: 350) found Nucleolus Organising Regions (NORs) on the secondary constriction in 2 pairs of chromosomes (pairs 18 and 20). Capanna and Civitelli (1965: 546) mention 22 pairs of autosomes, of which 3 are metacentric, 17 acrocentric, and two very small; the X chromosome is a medium sized metacentric and the Y chromosome is a very small one. Capanna and Manfredi Romanini (1971: 474) mention 2*n* = 45, aFN = 50, 2 pairs of metacentrics, 1 pair of submetacentrics, 19 pairs of acrocentrics.

Gürün *et al.* (2014: 73) confirmed the pattern of local differentiation previously detected in mitochondrial DNA as they also found significant differences in the nuclear DNA between bats from North Africa, Lebanon, Cyprus, Anatolia, Russia, Thrace-Balkans, Slovakia, Italy, France, and Iberia.

HABITAT:
Monadjem *et al.* (2016y: 371) recorded *M. (schreibersii) villiersi* from altitudes between 460 and 900m in the Mount Nimba area.

HABITS:
In southern France, Vincent *et al.* (2011: 57) found that during pregnancy and lactation, females might switch roosts within a 30 km radius around the maternity colony. During the night, the females travelled between 4.1 and 29.2 km to their foraging areas. They also estimated the individual home-ranges for pregnant females to be 10,837 ha, and for lactating females 22,318 ha.

ROOST:
Monadjem *et al.* (2016y: 371) found *Miniopterus (schreibersii) villiersi* roosting in old mine adits in the Mount Nimba area.

DIET:
Presetnik and Aulagnier (2013: 297) investigated the diet of *M. schreibersii* in Slovenia and found this to consist primarily of Lepidoptera (79 % by volume). Neuroptera (mostly Chrysopidae) accounted for 9.2 %), Diptera for 7.4 %, Trichoptera for 2.2 %, and Coleoptera for 1.4 %. This seems to indicate that *M. schreibersii* is an aerial hawker. Gardiner *et al.* (2014: 1058) assessed its foraging strategy as "high altitude fast aerial hawking".

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - See Hutson *et al.* (2008c) [in IUCN (2009)] for information of populations outside Africa.
Trend - 2008 - Decreasing (Hutson *et al.*, 2008c; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Supp.) reports a maximum longevity of 22 years.

REPRODUCTION AND ONTOGENY:
Tuttle and Stevenson (1982: 122) indicate that both sexes need about 16 months to attain sexual maturity.
Kurta and Kunz (1987: 82) report that, at birth, the young weights about 20.4 % of the mother's body mass (3.4 g versus 20.4 g), and that its forearm length is 35.5 % of its mother's (16.7 versus 47.0 mm).

Szekely *et al.* (2015: Suppl.) report that males become sexually mature after 730 days (24 months) and females after 577 days (19 months). The young is born after a gestation period of 100 days with a weight of 2.8 g (22 % of the adult). After weaning (66 days), its weight is increased to 12.8 g.

Chari and Gopalakrishna (1984: 464) describe the development of the foetal membranes and the changes in the structure of the placenta in the Indian *Miniopterus schreibersii fuliginosus*, and they indicate that this bat has some unique embryological features.

POSTNATAL DEVELOPMENT:
In Iran, Sharifi and Vaissi (2013: 1) found that newborns had a mass of 3.74 ± 0.09 g and forearm length of 24.3 ± 0.31 mm. Both of these increased linearly over the first two weeks (at about 0.54 g/day and 1.39 mm/day), after which they remained rather stable. The epiphyseal gap of the fourth metacarpal phalangeal joint increased until the thirteenth day, then decreased linearly until the 70th day and thereafter fused. The eyes opened during the first week and the ears bekame erect. The pups also began to move by that time. At 21 days, their ability to fly improved, and they started to fly freely in the cave. At that time their average body mass was 11.32 g (91.6 % of adult weight).

PARASITES:
Lei and Olival (2014: Suppl.) mention this species to be a host for *Bartonella* bacteria.

In Europe, Genov *et al.* (1992) reported the following Nematodes: *Molinostrongylus panousei* Dollfus, 1954, *M. skrjabini* Skarbilovitch, 1934, *M. alatus* (Ortlepp, 1932), and *M. ornatus* (Mönning, 1927).

Uchikawa (1985a: 22) proposed the new name *Calcarmyobia dusbabeki* (Acari: Myobiidae) for a mite found on *Miniopterus schreibersii* from amongst others Tunisia and Algeria. The Spinturnicid mites *Spinturnix psi* (Kolenati, 1856) and *Spinturnix myoti* (Kolenati, 1856) were reported by Postawa and Furman (2014: 390) from Central Anatolia and the Levant.

Calcarmyobia ? parenzani Lombardini, 1956 was found on a *M. schreibersii* from Ras el Qued cave, Morocco.

Rhipicephalus sanguineus (Latreille, 1806) (Arachnidae: Ixodida: Ixodidae) were reported from Algerian bats by Bendjeddou *et al.* (2013: 325). Bendjeddou *et al.* (2017: 15) reported the following ectoparasites from Algeria: Nycteribiidae: *Nycteribia (Nycteribia) pedicularia* Latreille, 1805, *Penicillidia (Penicillidia) dufourii* Westwood, 1835 and *Phthiridium biarticulatum* Hermann, 1804; Streblidae: *Brachytarsina (Brachytarsina) flavipennis* Macquart, 1851; and Siphonaptera: *Rhinolophopsylla unipectinata arabs* Jordan and Rothschild, 1921.

In Italy, Voyron *et al.* (2011: 193) reported the following fungal entities from *M. schreibersii* carcasses: *Aspergillus* sp., *Chrysosporium merdarium*, *Fusarium equiseti*, Ophiostomatacea, *Thielavia* sp., *Mucor hiemalis f. hiemalis*.

Ševcík *et al.* (2012: 35) report on the presence of the bat flies *Nycteribia schmidlii schmidlii* Schiner, 1853 and *Penicillidia conspicua* Speiser, 1901 on bats from Crete and Cyprus. These bat flies are vector hosts for the malaria parasite *Polychromophilus melanipherus* (see Witsenburg *et al.*, 2013: 169). Haelewaters *et al.* (2017: 1) furthermore reported *Nycteribia kolenati* Theodor & Moscona, 1954 from Hungary.

Additionally, Tortosa *et al.* (2013: 6) also reported the Nycteribiid bat fly *Penicillidia oceanica* (Bigot, 1885).
The bat flies *Nycteribia schmidlii* Schiner, 1853, *Penicillidia dufourii* (Westwood, 1834), and *Penicillidia conspicua* Speiser, 1901 were reported by Postawa and Furman (2014: 390) from Central Anatolia and the Levant.

In Europe, the tick *Ixodes simplex* Neumann, 1906 is highly specialized to *M. schreibersii* (see Hornok *et al.*, 2014: 1).

In Spain, Estrada-Peña and Serra-Cobo (1991: 346) found the following Acari: *Ixodes (Pomerantzevella) simplex* Neumann, 1906, *Ixodes (Eschatocephalus) vespertilionis* Koch, 1844, *Macronyssus longimanus* (Kolenati, 1856), *Macronyssus granulosus* (Kolenati, 1856), *Macronyssus cyclaspis* (Oudemans, 1906), *Macronyssus rhinolophi* (Oudemans, 1902), *Macronyssus diversipilis* (Vitzthum, 1920), *Macronyssus ellipticus* (Kolenati, 1857), *Spinturnix psi* (Kolenati, 1856), *Eyndhovenia euryalis euryalis* (Canestrini, 1884); and the bat flies *Nycteribia schmidlii* Schiner, 1853 and *Penicillidia dufouri* (Westwood, 1835).

VIRUSES:
Astroviridae
Luis *et al.* (2013: suppl.) mention the presence of an unassigned bat astrovirus.

Bunyaviridae
Phlebovirus - Rift Valley fever virus:
de Jong *et al.* (2011: 11), Luis *et al.* (2013: suppl.)

report the occurrence of Rift Valley fever virus.

Coronaviridae - Coronaviruses
Luis *et al.* (2013: suppl.) report the occurrence of various Coronaviruses (e.g. BatCoV HKU7, Miniopterus bat coronavirus 1, Miniopterus bat coronavirus HKU8).

Alphacoronavirus
Kohl and Kurth (2014: 3112) report this virus from Spain and Germany.
Betacoronavirus
Kohl and Kurth (2014: 3112) report this virus from Bulgaria and Germany.

Filoviridae - Filoviruses
Cuevovirus
Reported from Spain by Kohl and Kurth (2014: 3113).
Ebolavirus
Negredo *et al.* (2011: 1) describe a new virus (Lloviu virus [LLOV]) from *M. schreibersii* in Spain.

Flaviviridae
Flavivirus
de Jong *et al.* (2011: 10), Luis *et al.* (2013: suppl.) report Japanese encephalitis virus. Luis *et al.* (2013) also mentions Kyasanur Forest disease virus and Yokose virus.

Orthomyxoviridae
Despite sampling and testing of 2 individuals of this species, no evidence of influenza A-like viruses (*Orthomyxoviridae*) were obtained (Fereidouni *et al.*, 2015).

Papillomaviridae
Dyolambda
A new papillomavirus (*Miniopterus schreibersii* papillomavirus type 1 [MscPV1]) was described by Tse *et al.* (2012: 5) from Hong Kong as the first member of the novel Dyolambda-papillomavirus genus.

Rhabdoviridiae
Lyssavirus - Rabies related viruses
de Jong *et al.* (2011: 9) report the presence of West Caucasian bat virus.
van Eeden *et al.* (2011: 67) report an unconfirmed, but possible occurrence of Duvenhage virus in a specimen from the Limpopo province, South Africa.
"Various European bat lyssaviruses" were reported by Kohl and Kurth (2014: 3114) from a variety of European countries.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Algeria, Morocco, Tunisia.

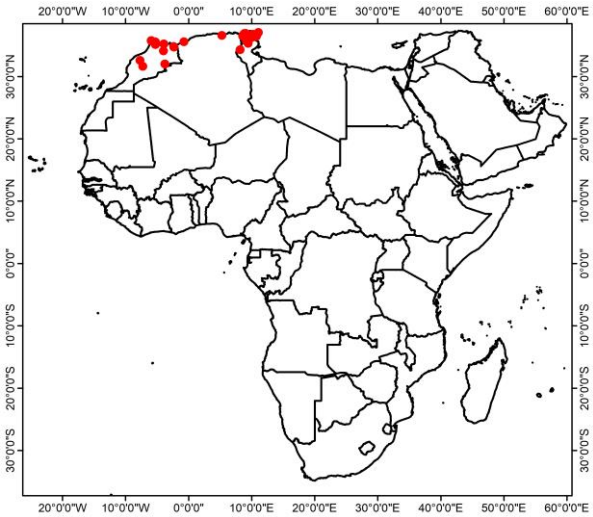

Figure 227. Distribution of *Miniopterus schreibersii*

Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007

*2007. *Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, J. Mamm., 88 (5): 1219, figs 2 - 6. Type locality: Madagascar: Province de Fianarantsoa: unnamed cave: Ambatofinandrahana, 3 km S [2034.321S 4648.530E, 1450 m] [Goto Description]. Holotype: FMNH 177259: ad ♀, skull and alcoholic. Collected by: Steven M. Goodman; collection date: 23 March 2003; original number: SMG 13560. Paratype: FMNH 177255: Collected by: Steven M. Goodman; collection date: 23 March 2003. Paratype: FMNH 177256: Collected by: Steven M. Goodman; collection date: 23 March 2003. Paratype: FMNH 177257: Collected by: Steven M. Goodman; collection date: 23 March 2003. Paratype: FMNH 177258: Collected by: Steven M. Goodman; collection date: 23 March 2003. Paratype: FMNH 177260: Collected by: Steven M. Goodman; collection date: 23 March 2003. - Etymology: The name *sororculus* is derived from the Latin ("*sororcula*") and means "small sister" (Goodman *et al.*, 2007b: 1222). This epithet was chosen to contrast this taxon with its African counterpart *fraterculus*, which means "little brother", as well as this animal being slightly smaller than *M. majori* (Goodman *et al.*, 2007b: 1222). (Current Combination)

? *Miniopterus sororculus fraterculus:* (Name Combination)

TAXONOMY:
Specimens from Madagascar assigned to *M. fraterculus* by Peterson *et al.* (1995) and Simmons (2005) are now considered to be a distinct species (Goodman *et al.*, 2007b).

COMMON NAMES:
Czech: létavec sesterský. English: Sororculus Longfingered Bat, Sororcula Long-fingered Bat. German: Madagaskar-Langflügelfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) as the species appears to have a broad distribution in the central highlands with a relatively wide elevational range. There are no obvious major threats, and based on current records seems to be at least somewhat adaptable to disturbed habitats (Jenkins *et al.*, 2008f; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jenkins *et al.*, 2008f; IUCN, 2009).

MAJOR THREATS:
There are no known threats to this species and it exists in areas some distance from native forest (Goodman *et al.*, 2007b; Jenkins *et al.*, 2008f; IUCN, 2009).

CONSERVATION ACTIONS:
Jenkins *et al.* (2008f) [in IUCN (2009)] report that at present, there are no known records from protected areas. This is a recently described taxon that does not appear to rely on large tracts of intact forest for its survival (Goodman *et al.*, 2007b). Further studies are needed to understand its adaptation to high elevations and extreme climate (Goodman *et al.*, 2007b).

GENERAL DISTRIBUTION:
Miniopterus sororculus is endemic to Madagascar where it has mainly been recorded from sites above 900 m elevation (Goodman *et al.*, 2007b) although there are a few records from sites at elevations < 50 m (Goodman *et al.*, 2008a). It is known from < 10 m confirmed localities ranging in elevation from 40 to 2,200 m above sea level. It is presumed to have a broad distribution spanning various portions of the central highlands (Goodman *et al.*, 2007b).

Schoeman *et al.* (2014: 28; 31) found the most suitable area for this species to be located in the central highland part of the island (higher elevations of the Central Highlands - sub-humid region).

Native: Madagascar (Goodman *et al.*, 2007b; Goodman *et al.*, 2008a).

ECHOLOCATION:
Kofoky *et al.* (2009: 382) reported the calls as *Miniopterus majori/sororculus*, which produced broadband FM/QCF echolocation calls at low duty cycle, but with a lower maximum energy, at about 48.5 kHz. The fundamenetal being most intense with short duration pulses of about 4.5 ms.
Ramasindrazana *et al.* (2011: 294) recorded 20 calls from 7 *Miniopterus sororculus* specimens, and found the following echolocation call values: Frequency of maximum energy: 55.3 ± 0.92 (53.9 - 56.6) kHz, Maximum frequency: 103.2 ± 9.04 (83.0 - 121.0) kHz, Minimum frequency: 51.7 ± 1.08 (50.0 - 53.0) kHz, Call duration: 3.3 ± 0.29 (2.7 - 3.9) ms, Inter pulse interval: 79.3 ± 13.06 (50.8 - 99.8) ms.

HABITAT:
The holotype of *M. sororculus* was collected in a small limestone cave surrounded by pseudosteppe at 1,450 m (Goodman *et al.*, 2007b). This species is known to use rock crevices and deeper caves as day roosts (Goodman *et al.*, 2007b). At Antsampandrano, this species was found occupying a day roost in the attic of a building occupied by people. Further, it has been obtained in open dry savanna in the central west of Madagascar (Goodman *et al.*, 2007b).

ROOST:
Wilkinson *et al.* (2012: 160) mention that caves are the typical roosting sites for this species on Madagascar.

POPULATION:
Structure and Density - There is no information available on the population status of this recently described endemic species (Jenkins *et al.*, 2008f; IUCN, 2009).
Trend - 2008 - Unknown (Jenkins *et al.*, 2008f; IUCN, 2009).

PARASITES:
Dietrich *et al.* (2014: Suppl.) and Gomard *et al.* (2016: 5) report the presence of spirochaetes of the genus *Leptospira*, which Dietrich *et al.* (2018a: 3) identified as *L. borgpetersenii*.
Ramasindrazana *et al.* (2016: 6) recovered *Litomosa* Clade 1 and 2 (Nematoda: Onchocercidae) from this species.
Tortosa *et al.* (2013: 4) reported the presence of *Penicillidia leptothrinax*, a Nycteribiid bat fly. Ramasindrazana *et al.* (2017: Suppl.) mentioned the bat fly *Nycteribia stylidiopsis* (but the specimen on which this was found - UADBA 43264 - is here considered to be a *M. majori*).

VIRUSES:

Paramyxoviridae

Wilkinson *et al.* (2012: 160) tested 1 individuals from the Mauritius using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 1 positive results for viral nucleic acids.

2 out of 22 Madagascan specimens tested by Mélade *et al.* (2016b: 4) were positive for paramyxoviruses.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:

Madagascar.

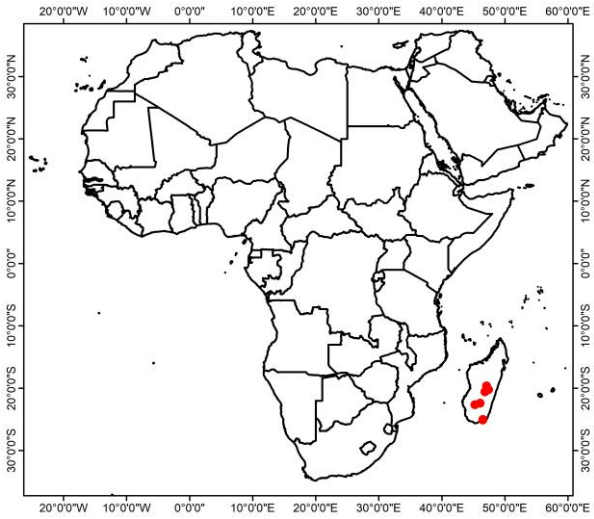

Figure 228. Distribution of *Miniopterus sororculus*

†Family PHILISIDAE Sigé, 1985

1985. *Philisidae* Sigé, Geol. Palaeontol., 19: 161-189. - Comments: Described as a distinct Family level.

TAXONOMY:
Ravel *et al.* (2014) confirmed the family status of the Philisidae within the superfamily Vespertilionoidae based on a cladistic assesment of the dental data, and that they represent the earliest offshoot of this superfamily (p. 698).

Sigé (1985) [in Ravel *et al.* (2014: 696)] concluded that the Philisidae could have originated in Late or Middle Eocene from a generalized Vespertilionidae after the divergence between the Molossidae and the Vespertilionidae sensu lato.

Ravel *et al.* (2012) suggested that *Philisis* and *Dizzya* were probably split of from the third genus of the family (*Witwatia*) in the Early Eocene. Ravel *et al.* (2012: 699), however, doubt the close relationship between the two former genera.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
According to Ravel *et al.* (2014: 691), Philisids were among the most common African bats in the Palaeogene (66 to 23.03 mya). They were found in the Late Eocene - Early Oligocene deposits of the Fayum Depression in Egypt, together with extant bat families, such as Rhinopomatidae, Megadermatidae, Emballonuridae and Myzopodidae (Sigé, 1985; Gunnell *et al.*, 2008, 2014).

†Genus ***Dizzya*** Sigé, 1991

*1991. *Dizzya* Sigé, N. Jb. Geol. Paläont. Abh., 182: ?. - Comments: Type species - *Dizzya exultans* Sigé, 1991. (Current Combination)

TAXONOMY:
Currently recognized species of *Dizzya*: ***†exsultans*** Sigé 1991.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Early. Eocene.

DENTAL FORMULA:
Ravel *et al.* (2011: 402) indicate that *Dizzya* differs from the other Philisidae in showing a nyctalodont molar structure.

†***Dizzya exsultans*** Sigé, 1991

*1991. *Dizzya exsultans* Sigé, N. Jb. Geol. Paläont. Abh., 182: ?. Type locality: Tunisia: Chambi. - Comments: Marandat (1994: 62) mentions the holotype to consist of a right M^1 or M^2.

. (Current Combination)

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Time frame - Early Eocene (Ypresian).

DETAILED MORPHOLOGY:
Ravel *et al.* (2014: 694) indicate that *Dizzya exsultans* is the smallest representative of the Philisidae. Together with *Witwatia sigei*, it is also the oldest. Based on data from Gunnell *et al.* (2009), Ravel *et al.* (2014: 702) estimated the body weight for this bat to be about 8.6 to 9.1 g.

†Genus ***Philisis*** Sigé, 1985

*1985. *Philisis* Sigé, Geol. Palaeontol., 19: ?. - Comments: Type species - *Philisis sphingis* Sigé, 1985. (Current Combination)

TAXONOMY:
May be a junior synonym of *Provampyrus*.

Ravel *et al.* (2014: 699) indicate that the genus might be paraphyletic.

Known species of *Philisis*: †*sevketi* Sigé, Thomas, Sen, Gheerbrant, Roger & Al-Sulaimani 1994 (Oman), ***†sphingis*** Sigé 1985.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Ravel *et al.* (2014: 699) indicate that fossils of this genus were only found in deposits dating from the Early Oligocene.

†***Philisis sphingis*** Sigé, 1985

*1985. *Philisis sphingis* Sigé, Geologica et Palaeontologica, 19: ?. Holotype: YPM MAM 034488:. Right maxilla (P^4-M^3): see Gunnell *et al.* (2008: 2). (Current Combination)

DETAILED MORPHOLOGY:
Based on data from Gunnell *et al.* (2009), Ravel *et al.* (2014: 702) estimated the body weight for this bat to be between 36 to 74 g.

†Genus ***Witwatia*** Gunnell, Simons and Seiffert, 2008

*2008. *Witwatia* Gunnell, Simons and Seiffert, J. Vert. Paleont., 28 (1): 2. - Comments: Type species - *Witwatia schlosseri* Gunnell, Simons and Seiffert, 2008. - Etymology: *Wit Wat*, Egyptian Arabic for large, flapping wings (Gunnell *et al.*, 2008). (Current Combination)

TAXONOMY:
See Gunnell *et al.* (2008).

Ravel *et al.* (2014: 702) mention that the differences between *W. schlosseri* and *W. eremicus* (both found in the same locality: BQ2, Fayum, Egypt), might be attributed to the presence of a sexual dimorphism, where the former might represent the larger female and he latter the smaller male. But they also indicate that this is currently speculative.

Known species of the genus *Witwatia*: †***eremicus*** Gunnell, Simons and Seiffert, 2008; †***schlosseri*** Gunnell, Simons and Seiffert, 2008; †***sigei*** Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud, 2012.

SIMILAR SPECIES:
See Gunnell *et al.* (2008).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
See Gunnell *et al.* (2008).

Timeframe - Ravel *et al.* (2014: 699) indicate that fossils were found dating back between the early and latest Eocene.

GENERAL DISTRIBUTION:
Egypt (Gunnell *et al.*, 2008).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Gunnell *et al.* (2008).

†***Witwatia eremicus*** Gunnell, Simons and Seiffert, 2008

*2008. *Witwatia eremicus* Gunnell, Simons and Seiffert, J. Vert. Paleont., 28 (1): 3, 4, 5. Type locality: Egypt: Fayum Depression: Quarry BQ-2: Umm Rigl Member of the Birket Qurun Formation. - Etymology: *Eremikos*, Greek for solitude, in reference to the vast solitude of the Egyptian Western Desert (Gunnell *et al.*, 2008). (Current Combination)

TAXONOMY:
See Gunnell *et al.* (2008).

SIMILAR SPECIES:
See Gunnell *et al.* (2008).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
See Gunnell *et al.* (2008).

Time frame - Earliest Late Eocene (Priabonian), Umm Rigl Member of the Birket Qarum formation.

GENERAL DISTRIBUTION:
Egypt (Gunnell *et al.*, 2008).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Gunnell *et al.* (2008).

DETAILED MORPHOLOGY:
Based on data from Gunnell *et al.* (2009), Ravel *et al.* (2014: 702) estimated the body weight for this bat to be about 40 to 98 g.

†***Witwatia schlosseri*** Gunnell, Simons and Seiffert, 2008

*2008. *Witwatia schlosseri* Gunnell, Simons and Seiffert, J. Vert. Paleont., 28 (1): 2, 3, fig. 3D. Type locality: Egypt: Fayum Depression: Quarry BQ-2: Umm Rigl Member of the Birket Qarun Formation. Holotype: CGM 83668:. Left dentary (c1-m3): see Gunnell *et al.* (2008: 3). - Etymology: Specific name for Max Schlosser who described the first fossil bat from the Fayum (Gunnell *et al.*, 2008). (Current Combination)

TAXONOMY:
See Gunnell *et al.* (2008).

SIMILAR SPECIES:
See Gunnell *et al.* (2008).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
See Gunnell *et al.* (2008).

Time frame - Earliest Late Eocene (Priabonian), Umm Rigl Member of the Birket Qarum formation.

GENERAL DISTRIBUTION:
Egypt (Gunnell *et al.*, 2008).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Gunnell *et al.* (2008).

DETAILED MORPHOLOGY:
Based on data from Gunnell *et al.* (2009), Ravel *et al.* (2014: 702) estimated the body weight for this bat to be between 57 and 116 g.

†***Witwatia sigei*** Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud, 2012

*2012. *Witwatia sigei* Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud, Palaeontology, 55 (5): 1035, 1036, fig. 2. Publication date: 18 September 2012. Type locality: Tunisia: Kasserine area: Chambi [Goto Description]. Holotype: ONM CB1-230: unknown / no information. Left upper molar (M2), see Ravel *et al.* (2012: 1036). - Etymology: In honour of Bernard Sigé, who first extensively described Paleogene bats remains, including those from Chambi (see Ravel *et al.*, 2012: 1036). (Current Combination)

DETAILED MORPHOLOGY:
Based on data from Gunnell *et al.* (2009), Ravel *et al.* (2014: 702) estimated the body weight for this bat to be about 100 g.

Family VESPERTILIONIDAE Gray, 1821

1815. *Vespertilia* Rafinesque, Analyse de la Nature, 54. - Comments: Type genus: *Vespertilio* Linnaeus, 1758. Conserved by Direction 98 (1858).
*1821. *Vespertilionidae* Gray, London Med. Repos., 15: 299. Publication date: 1 April 1821. - Comments: Type genus: *Vespertilio* Linnaeus, 1758. Dobson (1878: 167) refers to Dobson, 1875 (p. 347), indicating that Gray's (1866) definition includes genera beloning to very distinct families. (Current Combination)
1843. *Gymnorhina* Wagner.
1855. *Nycticeina* Gervais, in: F. Comte de Castelnau, Exped. Partes Cen. Am. Sud., Zool, ???. Publication date: 23 July 1856.
1866. *Nyctophilina* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 91. Publication date: 1 February 1866.
1866. *Plecotina* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 91. Publication date: 1 February 1866.
1866. *Romiciana* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 90. Publication date: 1 February 1866.
1866. *Vespertilionina* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 90. Publication date: 1 February 1866.
1869. *Gymnorhinida* Fatio, Faune des Vertébrés de la Suisse.
1893. *Nycteridae:* Schulze. - Comments: Not of Van der Hoeven, 1855. Not of Dobson, 1875 (see Pavlinov *et al.*, 1995: 93).
1941. *Myotini* Tate.
2008. *Vespertolionidae:* Selim, Nahla, and Shelfeh, Tishreen Univ. J. Res. Sci. Stud. - Biol. Sci. Ser., 30 (1): 247. (Lapsus)
2018. *Vespertilionnidae:* Malekani, Musaba, Gembu, Bugentho, Toengaho, Badjedjea, Ngabu, Mutombo, Laudisoit, Ewango, Van Cakenberghe, Verheyen, Asimonyo, Masudi, Bongo and Ngbolua, Nat. Conserv. Res., 3 (1): 67.. Publication date: January 2018. (Lapsus)
? *Vespertilioninae sp.:*

TAXONOMY:
Systematicians have long recognized that Vespertilionidae as so defined, is diagnosed by few if any apomorphies, and some data have been cited as evidence that the family is not monophyletic. For example, *Tomopeas ravus* (the only member of the subfamily Tomopeatinae) shares immunological affinities and several derived morphological and molecular traits with molossidis (Miller, 1907; Davis, 1970; Barkley, 1984; Pierson, 1986; Sudman *et al.* (1994). Miniopterines, which differ from other vespertilionids in several aspects of fetal development and adult morphology, show immunological affinity with molossids (Mein and Tupinier, 1977; Gopalakrishna and Chari, 1983; Pierson, 1986). Kerivoulines share derived morphological traits with Natalidae, Thyropteridae, Furipteridae, and Myzopodidae (Sigé, 1974; Van Valen, 1979). These patterns have lead various workers to suggest removal of one or more subfamilies from Vespertilionidae (Davis, 1970; Sigé, 1974; Mein and Tupinier, 1977; Van Valen, 1979; Gopalakrishna and Chari, 1983; Barkley, 1984; Sudman *et al.*, 1994). Each of the eight vespertilionid subfamilies just listed appears to be monophyletic, with the exception of Vespertilioninae, which may be paraphyletic. In morphology, Vespertilioninae is "perhaps best characterized by absence of the special modifications that distinguish the other groups" (Miller, 1907: 197). Volleth and Heller, 1994) describe several derived karyotype features that diagnose Vespertilioninae (including Nyctophilinae but exclude Myotinae), but their study did not include any members of Antrozoinae or Lasiurini.

Molecular phylogenetics reviewed by Hoofer and Van Den Bussche (2003).

Roehrs *et al.* (2011: 24) suggest the following subdivision in tribes/groups:
Vespertilionini (*Nyctalus, Pipistrellus, Scotoecus, Vespertilio*)
Hypsugine group (*Chalinolobus, Vespadelus, Hypsugo, Nycticeinops, Neoromicia, Laephotis, Tylonycteris*)
Eptesicini / Nycticeiini (*Arielulus, Lasionycteris, Glauconycteris, Nycticeius, Eptesicus, Scotomanes*)
Perimyotine group (*Parastrellus, Perimytois*)
Scotophilini (*Scotophilus*)
Antrozini (*Antrozous, Rhogeessa, Baeodon*)
Lasiurini (*Lasiurus*)
Plecotini (*Corynorhinus, Otonycteris, Barbastella, Plecotus, Idionycteris*).

Known genera in the subfamily Vespertilioninae:

Tribe Eptesicini Volleth and Heller, 1994 - *Arielulus* Hill and Harrison, 1987; ***Eptesicus*** Rafinesque, 1820; *Hesperoptenus* Peters, 1868.
Tribe Lasiurini Tate, 1942 - *Lasiurus* Gray, 1831.
Tribe Nycticeiini Gervais, 1855 - ***Nycticeinops*** Hill and Harrison, 1987; *Nycticeius* Rafinesque, 1819; *Rhogeessa* H. Allen, 1866; *Scoteanax* Troughton, 1943; ***Scotoecus*** Thomas, 1901; *Scotomanes* Dobson, 1875; ***Scotophilus*** Leach, 1821; *Scotorepens* Troughton,1943.
Tribe Nyctophilini Peters,1865 - *Nyctophilus* Leach, 1821; *Pharotis* Thomas, 1914.
Tribe Pipistrellini Tate, 1942 - *Glischropus* Dobson, 1875; *Nyctalus* Bowditch, 1825; ***Pipistrellus*** Kaup, 1829; *Scotozous* Dobson, 1875.
Tribe Plecotini Gray, 1866 - *Barbastella* Gray, 1821; *Corynorhinus* H. Allen, 1865; *Euderma* H. Allen, 1892; *Idionycteris* Anthony, 1923; ***Otonycteris*** Peters, 1859; ***Plecotus*** E. Geoffroy Saint-Hilaire, 1818.
Tribe Vespertilionini Gray, 1821 - *Chalinolobus* Peters, 1867; *Eudiscopus* Conisbee, 1953; *Falsistrellus* Troughton, 1943; ***Glauconycteris*** Dobson, 1875; *Histiotus* Gervais, 1856; ***Hypsugo*** Kolenati, 1856; *Ia* Thomas, 1902; ***Laephotis*** Thomas, 1901; ***Mimetillus*** Thomas, 1904; ***Neoromicia*** Roberts, 1926; *Philetor* Thomas, 1902; *Tylonycteris* Peters, 1872; *Vespadelus* Troughton, 1943; *Vespertilio* Linnaeus, 1758.

COMMON NAMES:
Czech: netopýrovití, netopýři holonosí. Dutch: Gladneusvleermuizen. English: Evening bats, Vespertilionid bats, Vesper Bats, Plain-faced Bats, Simple-nosed Bats. Finnish: Siipat. French: Vespertilionidés. German: Glattnasen, Glattnasen-Fledermäuse. Italian: Vespertiliònidi. Norwegian: Glattneser, Glattneseflaggermus. Polish: mroczkowate. Romanian: Lilieci cu tragus. Russian: +ладконосые. Spanish (Castillian): Murcielagos chicos, Murciélagos de cola envainada. Vietnamese: Họ dơi muỗi

ETYMOLOGY OF COMMON NAME:
Rosevear (1965) uses the colloquial name vesper bats, borrowing it from the name for the family, which is derived from the Latin for a bat, *vespertilio*. They are sometimes called 'evening bats' because of their time of activity (Taylor, 2005).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Shi and Rabosky (2015: 1537) report the family-level stem ages/crown ages for the Vespertilionidae (including Miniopteridae and Cistugidae) to be 52.1 and 51.1 million years ago, respectively.

The oldest African fossil assigned to this family is *Khonsunycteris aegypticus* from the late Eocene (ca. 34 MYA) of the Fayum, Egypt (Hand *et al.*, 2016: 7).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention a Vespertiliondae bat taken as prey by a Swamp boubou (*Laniarius bicolor* (Verreaux, 1857)) in Botswana.

PARASITES:
Fain (1994: 1280) reports that three genera of Myobiidae (Acari) are occurring on members of the Vespertilionidae: *Acanthophthirius*, with 4 subgenera (*Acanthophtirius, Myotimyobia, Chiromyobia, Mimetillobia*) and 47 species, *Pteracarus* with 21 species, and *Calcarmyobia* with 18 species and 8 subspecies. The latter genus is restricted to bats of the genus *Miniopterus*, and since this genus is currently included in a family of its own, this implies that only two genera of Myobiidae parasite on Vespertilionidae.

VIRUSES:
A paramyxovirus was detected in one out of nine Vespertilionidae bats sampled in Kirindy in Madagascar (Wilkinson *et al.*, 2014).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Algeria, Angola, Botswana, Congo (Democratic Republic of the), Kenya, Morocco, Namibia, South Africa, Sudan, Tanzania, Togo, Zambia.

Subfamily Kerivoulinae Miller, 1907

*1907. *Kerivoulinae* Miller, Bull. U.S. natl. Mus., 57: 232. Publication date: 29 June 1907. - Comments: Type genus: *Kerivoula* Gray, 1842. (Current Combination)

TAXONOMY:
Known genera in the Kerivoulinae: †***Chamtwaria*** Butler, 1884; ***Kerivoula*** Gray, 1842; *Phoniscus* Miller, 1905.

COMMON NAMES:
Czech: vlnouškové, kerivuly. English: Forest Bats, Woolly bats.

†Genus ***Chamtwaria*** Butler, 1984

*1984. *Chamtwaria* Butler, Palaeovert., 14 (3): 117, 187. Publication date: 15 November 1984 [Goto Description]. (Current Combination)

TAXONOMY:
Was assigned to the Vespertilionidae by Beard *et al.* (1992).

Known species in the genus *Chamtwaria*: †***pickfordi*** Butler, 1984.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe- Early Miocene (Burdigalian).

†***Chamtwaria pickfordi*** Butler, 1984

*1984. *Chamtwaria pickfordi* Butler, Palaeovert., 14 (3): 118, 187, figs 25 A, A'. Publication date: 15 November 1984. Type locality: Kenya: Tinderet (volcano) Region, Songhor, Kapurtay agglomeration: Chamtwara [Goto Description]. - Etymology: Named after Dr. Martin Pickford. (Current Combination)

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Angola.

Genus ***Kerivoula*** Gray, 1842

*1842. *Kerivoula* Gray, Ann. Mag. nat. Hist., [ser. 1], 10 (65): 258. Publication date: 1 December 1842. - Comments: Type species: *Vespertilio pictus* Pallas, 1767. Gray (1842: 258) mentions *Vesp. Hardwickii Horsfield, V. picta* Pallas, *V. tenuis*, G. Gärtneri [and *Kerivoula griseus, Kerivoula Poensis*]. Type species by subsequent designation (Peters, 1867c) (see Corbet and Hill, 1992: 153). Allen (1939a: 100) mentioned *Vespertilio hardwickii* Horsfield as genotype. - Etymology: Rosevear suggested that *Kerivoula* was derived from the Cingalese name for the Painted Bat, kehel vuhla. Flannery (1995a: 369) indicates that it was derived from the Ceylonese for plantain (banana) bat. (Current Combination)

1849. *Kirivoula* Gervais, Dictionnaire Universelle d'Histoire naturelle, 13: 213. Publication date: 1849. - Comments: Emendation (see Meester *et al.*, 1986: 63). (Emendation)

1861. *Nyctophylax* Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 42: 390 (for 1860). Publication date: 1861. - Comments: "Apparently based on *Vespertilio tralatitius*, Temminck, 1840 =*V. tralatitius* Horsfield, 1824, an indeterminable name according to Laurie and Hill (1954: 66). According to Palmer (1904), *Nyctophylax* was 'a new name for the barbaric *Kerivoula* Gray, 1842'" (see Corbet and Hill, 1992: 153). Mentioned as a possible synonym (question mark) by Pavlinov *et al.* (1995: 93). - Etymology: From the Greek "*νύξ*" or "*νυκτός*", meaning night and "*φύλαξ*", meaning watcher (see Palmer, 1904: 467).

1870. *Nyctophilax:* Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 62 (1): 544. Publication date: November 1870. (Lapsus)

1891. *Cerivoula* Blanford, The fauna of British India, including Ceylon and Burma. Part II, 338. Publication date: 1891. - Comments: Emendation (see Meester *et al.*, 1986: 63). (Emendation)

1904. *Kehelvoulha* Jentink, Notes Leyden Mus., 24 (4): 175 (for 1902). Publication date: 15 Jul 1904. - Comments: *Nomen nudum*. Jentink (1904: 175) suggests that this should be the etymologically correct name, but adds immediately that this name has no taxonomical value whatsoever.

2005. *Keivoula:* Struebig, Rossiter, Bates, Kingston, Sai Sein Lin Oo, Aye Aye Nwe, Moe Moe Aung, Sein Sein Win and Khin Mya Mya, Acta Chiropt., 7 (1): 14. (Lapsus)

? *Kerivoula sp.:*

TAXONOMY:
Phoniscus Miller, 1906, has been included in *Kerivoula* as either a subgenus (Ellerman and Morrison-Scott, 1951; Ellerman *et al.*, 1953) or a synonym (Ryan, 1965). Hill (1965) argues for the generic separation of *Phoniscus* from *Kerivoula*,

and this view appears to be widely accepted (Rosevear, 1965; Hayman and Hill, 1971; Corbet and Hill, 1992), but see Koopman (1982).

The species *aerosa* Tomes, 1858, was described from the east coast of South Africa, but Roberts (1951: 76) questions whether the description is not that of an immature *argentata*, although the colour is reminiscent of *lanosa*; Ellerman *et al.* (1953) point out that the type specimen resembles the Oriental species of *Kerivoula* (in which they include *Phoniscus*) rather than *argentata* or *lanosa*; Hill (1965: 553) has shown that *aerosa* should be transferred to the Asiatic *Phoniscus*. Hayman and Hill (1971) question the African origin of *aerosa*, and Corbet and Hill (1980) dubiously place it in Southeast Asia, while Koopman (1982) cite the provenance as 'possibly Africa'. In view of the considerable doubt about the status and origin of this species it is not treated as a member of the southern African fauna.

Known species of the genus *Kerivoula*: ***africana*** Dobson, 1878; *agnella* Thomas, 1908 – Louisiade Arch., Woodlark and D'Entrecasteaux Isls (Papua New Guinea) (Simmons, 2005: 526); ***argentata*** Tomes, 1861; ***cuprosa*** Thomas, 1912; ***eriophora*** (Heuglin, 1877); *flora* Thomas, 1914 – Borneo, Lesser Sunda Isls, Bali, Sumbawa and Sumba (Indonesia), Vietnam and Thailand (Simmons, 2005: 526); *hardwickii* (Horsfield, 1824) – India and Sri Lanka, Burma, Laos, Cambodia, Vietnam, Thailand, China, western Malaysia, Borneo, Java, Sumatra, Nusa Penida, Mentawai Isls, Sulawesi, Bali, Lesser Sundas, Kangean Isl and Talaud Isl (Indonesia), Philippines (Simmons, 2005: 526); *intermedia* Hill and Francis, 1984 – Borneo, western Malaysia (Simmons, 2005: 527); ***lanosa*** (A. Smith, 1847); *lenis* Thomas, 1916 – northeastern and southern India, western Malaysia, Sabah (Simmons, 2005: 527); *minuta* Miller, 1898 – western Malaysia, southern Thailand, Borneo (Simmons, 2005: 527); *muscina* Tate, 1941 – central New Guinea (Simmons, 2005: 527); *myrella* Thomas, 1914 – Bismarck Arch. (Simmons, 2005: 527); *papillosa* (Temminck, 1840) – Thailand, Cambodia, Vietnam, western Malaysia, Sumatra, Java, Sulawesi, Borneo (Simmons, 2005: 527); *pellucid* (Waterhouse, 1845) – Borneo, Philippines, Java and Sumatra, western Malaysia (Simmons, 2005: 528); ***phalaena*** Thomas, 1912; *picta* (Pallas, 1767) – Sri Lanka; India and Nepal to Vietnam, western Malaysia and southern China, Borneo, Sumatra, Java, Bali, Lombok and Molucca Isls (Simmons, 2005: 528); ***smithii*** Thomas, 1880; *whiteheadi* Thomas, 1894 – Philippines, Borneo, southern Thailand, western Malaysia (Simmons, 2005: 528).

COMMON NAMES:
Czech: praví vlnouškové. English: Woolly Bats, Trumpet-eared Bats. French: Chauves-souris peintes. German: Wollfledermäuse. Italian: Cherìvoule.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Côte d'Ivoire, Tanzania.

Kerivoula africana Dobson, 1878

*1878. *Kerivoula africana* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, p. xl, 331, ul 335. Publication date: June 1878. Type locality: Tanzania: Coast opposite Zanzibar Island [Goto Description]. - Comments: Type specimen: MNHN ???, ad ♂, alcoholic. (Current Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: vlnoušek východoafrický, netopýr vlnatý, kerivula africká. English: African Woolly Bat, Tanzanian Woolly Bat. French: Kérivoule de Tanzanie, Chauve-souris peinte de Tanzanie. German: Tanzania-Wollfledermaus.

CONSERVATION STATUS:
Global - MacPhee and Flemming, 1999) considered this species to be extinct, followed by Simmons, 2005), but it was recently rediscovered, see (Burgess *et al.*, 2000). Listed as Endangered (EN B2ab(iii) ver 3.1 (2001)) because its area of occupancy is probably less than 500 km^2, with all individuals in fewer than five locations, and the extent of its forest habitat is continuing to decline (Fahr and Jacobs, 2008; IUCN, 2009).

Assessment History -
2008 - EN B2ab(iii) ver 3.1 (2001) (Fahr and Jacobs, 2008; IUCN, 2009). 2004 - EN B2ab(iii) ver 3.1 (2001) (Fahr and Jacobs, 2004; IUCN, 2004). 1996 - DD (Baillie and Groombridge, 1996). 1994 - Ex (Groombridge, 1994). 1993 - Ex (World Conservation Monitoring Centre, 1993). 1990 - Ex (IUCN 1990). 1988 - Ex (IUCN Conservation Monitoring Centre 1988).

MAJOR THREATS:
It is threatened by the loss of coastal forests, largely through conversion of land to subsistence agriculture and harvesting of timber and firewood for local use (Fahr and Jacobs, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr and Jacobs (2008) [in IUCN (2009)] report that it has been recorded from Morogoro (presumably within the Morogoro State Forest Reserve) and Genda Genda (possibly in a Forest Reserve). There is a need to prevent further loss of coastal forest habitat. Further studies are needed into the distribution of this species to locate additional populations.

GENERAL DISTRIBUTION:
Endemic to eastern Tanzania, where it has only been recorded from Morogoro; the Genda Genda coastal forest; and the Tong'omba coastal forest.

Native: Tanzania (Matschie, 1895; Swynnerton and Hayman, 1951; Cockle *et al.*, 1998; Burgess *et al.*, 2000).

POPULATION:
Structure and Density - Very little is known about the population of this rarely recorded species (Fahr and Jacobs, 2008; IUCN, 2009).
Trend - 2008 - Decreasing (Fahr and Jacobs, 2008; IUCN, 2009).

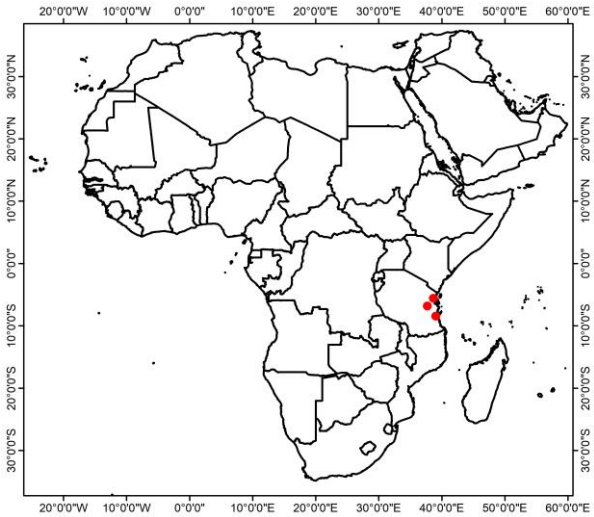

Figure 229. Distribution of *Kerivoula africana*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Tanzania.

Kerivoula argentata Tomes, 1861

*1861. *Kerivoula argentata* Tomes, Proc. zool. Soc. Lond., 1861, I: 31, 32. Publication date: May 1861. Type locality: Namibia: Ovamboland: Otjoro [=Otjihoro] [ca. 17 54 S 15 38 E] [Goto Description]. Holotype: [Unknown] ♀. Collection date: 1 December 1859. See Tomes (1861b: 33). Holotype: BMNH 1907.1.1.540: ♀. Collection date: 1 December 1859. - Comments: Ansell and Dowsett (1988: 44) indicate the type locality is probably Otjihoro, according to Shortridge (1934: 70). (Current Combination)

1865. *Nycticejus nidicola* Kirk, Proc. zool. Soc. Lond., 1864, III: 651. Publication date: May 1865. Type locality: Mozambique: Zambesi River: Shupanga [=Chupanga] [18 02 S 35 37 E] [Goto Description]. Syntype: BMNH 1864.1.9.37: ad. Collected by: Dr. Kirk. Syntype: BMNH 1864.1.9.38: ad. Collected by: Dr. Kirk. Syntype: BMNH 1864.1.9.39: ad. Collected by: Dr. Kirk. - Comments: (1 ad ♂ + 2 ad ♀♀). Considered a valid subspecies by Ansell and Dowsett (1988: 44.

1924. *Kerivoula nidicola zuluensis* Roberts, Ann. Transv. Mus., 10: 61. Publication date: 31 January 1924. Type locality: South Africa: KwaZulu-Natal: White Umfolosi River [28 19 S 31 50 E] [Goto Description]. Holotype: TM 3025: ad ♂, skin and skull. Collected by: Austin Roberts; collection date: 17 July 1922. Note: In weaver nest with two others. - Comments: Considered a valid subspecies by Taylor (1998: 57).

? *Kerivoula argentata argentata:* (Name Combination)

? *Kerivoula argentata zuluensis:* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Afrikaans: Damara-wolhaarvlermuis, Damaralandse Wolhaarvlermuis. Czech: vlnoušek damarský. English: Silvery Woolly Bat, Silvered Woolly Bat, Silver Woolly Bat, Damara Woolly Bat. French: Chauve-souris peinte argentée, Chauve-souris laineuse du Damara. German: Bunte Wollfledermaus. Kiluba (DRC): Kasusu. Portuguese: Morcego lanoso da Damaralandia.

ETYMOLOGY OF COMMON NAME:
This species was originally described from a specimen from Damaraland, Namibia (Taylor, 2005).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
K. argentata may be represented in the late Holocene at Nkupe, South Africa (Avery, 1991: 6).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008k; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008k; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004h; IUCN, 2004). 1996 - Lower Risk/least concern (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - NT C2a(i) ver 3.1 (2001) (Monadjem *et al.*, 2016f). 2004 - EN B1ab(iii)+2ab(iii) ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Jacobs *et al.*, 2008k; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008k) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It has been recorded from the Kambai Forest Reserve in Tanzania by Cunneyworth (1996b), and seems likely to be present in a number of protected areas within its range. Further studies are needed to determine if the species is truly present in Angola.

GENERAL DISTRIBUTION:
Kerivoula argentata is distributed in East Africa and southern Africa, with some records in southern parts of the Democratic Republic of the Congo and possibly northern Angola in Central Africa (records are uncertain from this country). In East Africa it has been recorded from Kenya and Tanzania in the north, through Zambia, Malawi and Mozambique. In southern Africa, it appears to be widespread in Zimbabwe, with additional scattered records from northeastern South Africa and central Namibia.

For southern Africa, Cooper-Bohannon *et al.* (2016: "5") calculated a potential distribution area of 752,853 km^2.

Native: Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 563); Kenya (Aggundey and Schlitter, 1984); Malawi (Happold and Happold, 1997b: 822; Monadjem *et al.*, 2010d: 563); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 563; Monadjem *et al.*, 2010c: 383); Namibia (Monadjem *et al.*, 2010d: 563); South Africa (Roberts, 1951; Smithers, 1983; Skinner and Smithers, 1990; Taylor, 2000; Skinner and Chimimba, 2005; Monadjem *et al.*, 2010d: 563); Tanzania, United Republic of (Cunneyworth, 1996b); Zambia (Ansell, 1974; Monadjem *et al.*, 2010d: 563); Zimbabwe (Smithers and Wilson, 1979; Monadjem *et al.*, 2010d: 563).
Presence uncertain: Angola (Hill and Carter, 1941).

ECHOLOCATION:
See Taylor (1999b).

Schoeman and Waddington (2011: 291) mention a peak frequency of 99 kHz and a duration of 1.7 msec for a specimen from the Mkuze Game Reserve, South Africa.

POPULATION:
Structure and Density - Although this species is rarely encountered, it is not thought to be especially uncommon (Jacobs *et al.*, 2008k; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008k; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Trentin and Rovero (2011: 51) reported two lactating females, captured at Uzungwa Scarp Forest Reserve, Tanzania, at the end of November 2005.

VIRUSES:
Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that the one specimen they examined from South Africa tested positive for *Paramyxovirus* sequences.

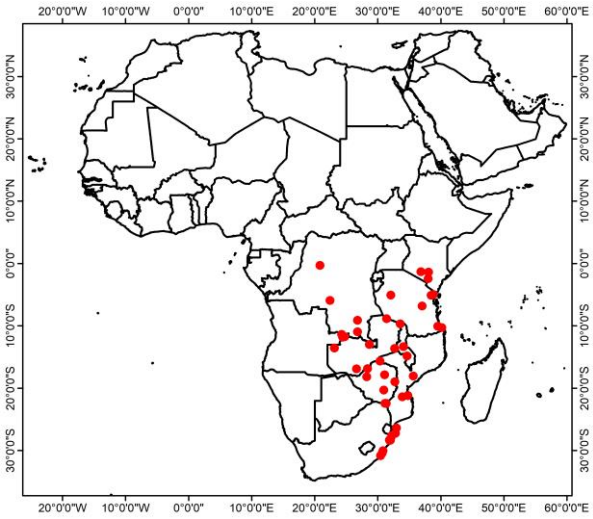

Figure 230. Distribution of *Kerivoula argentata*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Kenya, Malawi, Mozambique, Namibia, Senegal, South Africa, Tanzania, Zambia, Zimbabwe.

Kerivoula cuprosa Thomas, 1912

*1912. *Kerivoula cuprosa* Thomas, Ann. Mag. nat. Hist., ser. 8, 10 (55): 41. Publication date: 1 July 1912. Type locality: Cameroon: Ja River: Bitye [03 13 N 12 22 E, 2 000 ft] [Goto Description]. Holotype: BMNH 1912.10.25.1: ad ♂. Collected by: George Latimer Bates Esq. Collection date: 17 October 1911; original number: 564. (Current Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: vlnoušek bronzový. English: Copper Woolly Bat. French: Chauve-souris laineuse cuivrée, Chauve-souris peinte cuivrée. German: Kupferfarbene Wollfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of continuing problems with its taxonomy as well as absence of recent information on its extent of occurrence, ecological requirements and threats (Fahr, 2008b; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Fahr, 2008b; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Fahr, 2004m; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are not well known. In parts of its range it is presumably threatened to some degree by habitat loss resulting from conversion of land to agricultural use, and harvesting of timber and firewood (Fahr, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008b) [in IUCN (2009)] reports that jt is unclear if this species is present in any protected areas. Additional studies are needed into the taxonomy, distribution, natural history and threats to this little known bat.

GENERAL DISTRIBUTION:
Scattered records from West and Central Africa. It has apparently been reported from Guinea, Côte d'Ivoire, Liberia, possibly Ghana (see Koopman *et al.*, 1995; Grubb *et al.*, 1998), Cameroon and the Democratic Republic of the Congo (see Hayman and Hill, 1971). It is found up to 600 m asl.

Grubb *et al.* (1998: 92) indicate that records west of Cameroon are erroneous and probably refer to a specimen from Oda, Ghana in the FMNH that was re-identified as *K. lanosa muscilla*. A record of this species from Kenya was based on a specimen subsequently reidentified as *Kerivoula smithii* (J. Fahr *pers. Comm.,* in Simmons, 2005: 526; and also in Fahr (2008b) [in IUCN (2009)]).

Native: Cameroon; Congo (The Democratic Republic of the); Côte d'Ivoire; Guinea (Fahr and Ebigbo, 2004: 69); Kenya (Harrison, 1957b); Liberia (Koopman, 1989b; Koopman *et al.*, 1995); Uganda (Kityo *et al.*, 2009: 135).
Presence uncertain: Ghana.

POPULATION:
Structure and Density - It appears to be a rare, or rarely recorded, species (Fahr, 2008b; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, 2008b; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo (Democratic Republic of the), Côte d'Ivoire.

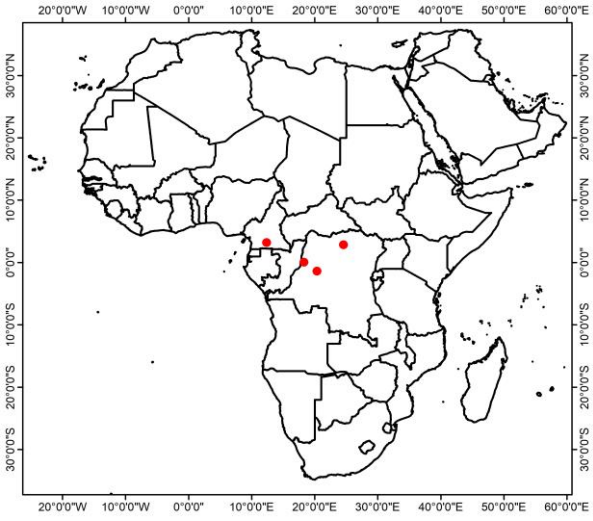

Figure 231. Distribution of *Kerivoula cuprosa*

Kerivoula eriophora (Heuglin, 1877)

*1877. *Nycticejus eriophorus* Heuglin, Reise in Nordost Afrika, 2: 34. Publication date: 1877.

Type locality: Ethiopia: Begemdir province: Belegaz Valley: Semian and Wogara, between [ca. 12 50 N 38 20 E] [Goto Description]. - Etymology: From the Greek "*eriophora*" meaning wool-bearing.

? *Kerivoula eriophora:* (Name Combination, Current Combination)

TAXONOMY:
May be conspecific with *africana* which it antedates; see Hayman and Hill (1971: 53) and Simmons (2005: 526).

COMMON NAMES:
Czech: vlnoušek habešský. English: Ethiopian Woolly Bat. French: Chauve-souris laineuse d'Ethiopie, Chauve-souris peinte d'Ethiopie. German: Heuglins Wollfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of continuing problems with its taxonomy as well as absence of recent information on its extent of occurrence, ecological requirements and threats (Fahr, 2008c; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Fahr, 2008c; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Fahr, 2004p; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are not known (Fahr, 2008c; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008c) [in IUCN (2009)] reports that it is not known if the species is present in any protected areas. Further research is needed into the systematic status, distribution, natural history and possible threats to this species.

GENERAL DISTRIBUTION:
Kerivoula eriophora has only been recorded at the type locality of 'between Semian and Wogara, Belegaz Valley, Ethiopia'.

Native: Ethiopia (Heuglin, 1877: 34).

POPULATION:
Structure and Density - It is known only from the holotype (Fahr, 2008c; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, 2008c; IUCN, 2009).

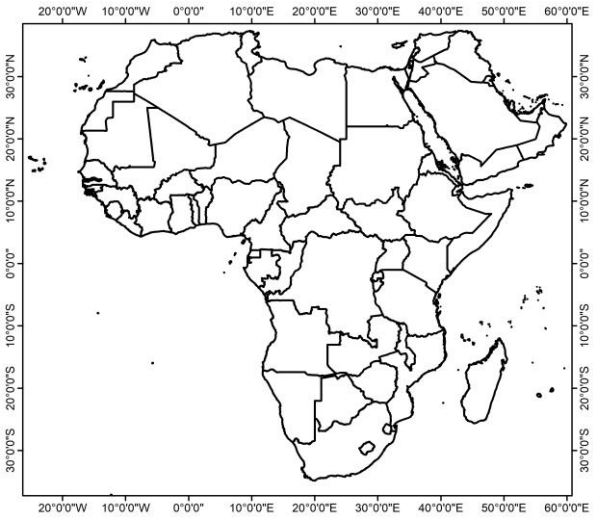

Figure 232. Distribution of *Kerivoula eriophora*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
South Sudan.

Kerivoula lanosa (A. Smith, 1847)

*1847. *Vespertilio lanosus* A. Smith, Illustrated Zoology of South African Mammals, pl. 50 and text. Publication date: December 1847. Type locality: South Africa: Cape province: Cape Town, 200 mi (332 km) E. Syntype: BMNH 1907.1.1.538: ♂. Syntype: BMNH 1907.1.1.539. - Comments: Thorn *et al.* (2009: 50) indicate that Roberts (1951: 75) designated Knysna as type locality. - Etymology: From the Greek "*lanosa*" meaning woolly.

1878. *Kerivoula brunnea* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, xl, 331, 334. Publication date: June 1878. Type locality: South Africa: "South Africa or Madras" [Goto Description]. Holotype: BMNH 1852.8.12.9: sad ♂, alcoholic (skull not removed). Presented/Donated by: Sir Andrew Smith. - Comments: Roberts (1951: 75) mentioned "Madras or South Africa as type locality. Sir A. Smith (Obviously the type of Smith's *V. Lanosus*, cf. Roberts, 1913: Knysna)". Meester *et al.* (1986: 64) mention "South Africa or Madras").

1901. *Kerivoula harrisoni* Thomas, Proc. zool. Soc. Lond., 1900, IV: 802, footnote. Publication date: April 1901. Type locality: Ethiopia: between Lakes Zwai and Margherita [=Lake Abaya]: Walamo [c. 07 00 N 38 00 E,, 6 700 ft] [Goto Description]. Holotype: BMNH 1900.11.4.1: Collected by: J.J. Harrison; collection date: 21 February 1900.

Presented/Donated by: J.J. Harrison.

1906. *Kerivoula muscilla* Thomas, Ann. Mag. nat. Hist., ser. 7, 18 (106): 294. Publication date: 1 October 1906. Type locality: Cameroon: Ja River [ca. 03 00 N 13 00 E] [Goto Description]. Holotype: BMNH 1908.6.23.10: ad ♂. Collected by: George Latimer Bates Esq. Collection date: 22 December 1905. - Comments: Considered a valid subspecies by Fahr and Ebigbo (2003: 128; 2004: 73).

1920. *Kerivoula lucia* Hinton, Ann. Mag. nat. Hist., ser. 9, 6 (32): 240. Publication date: 1 August 1920. Type locality: Zimbabwe: N'dola. [12 50 S 28 40 E] [Goto Description]. Holotype: BMNH 1920.11.3.27: ad ♂. Collected by: Captain Guy Chester Shortridge; collection date: 26 September 1919; original number: 472.

1922. *Kerivoula lueia* Kershaw, Ann. Mag. nat. Hist., ser. 9, 10 (55): 99. Publication date: 1 July 1922. - Comments: Erratum (see Meester *et al.*, 1986: 64).

1959. *Kerivoula harrisoni bellula* Aellen, Archs Sci. Genève, 12 (2): 221. Type locality: Côte d'Ivoire: NW of Abidjan: Adiopodoumé [05 19 N 04 08 W, 0 - 30 m] [Goto Description]. Holotype: MHNG 965.038: ad ♂, alcoholic (skull not removed). Collected by: Dr. Villy Aellen; collection date: 20 July 1953; original number: 622.

? *Kerivoula harrisoni lucia:* (Name Combination)

? *Kerivoula lanosa harrisoni:* (Name Combination)

? *Kerivoula lanosa lucia:* (Name Combination)

? *Kerivoula lanosa muscilla:* (Name Combination)

? *Kerivoula lanosa:* (Name Combination, Current Combination)

TAXONOMY:
Includes *harrisoni* and *muscilla*; see Hill (1977b), but see Fahr and Ebigbo (2003: 128; 2004: 73).

COMMON NAMES:
Afrikaans: Klein wolhaarvlermuis. Czech: vlnoušek malý. English: Lesser Woolly Bat. French: Petite Chauve-souris laineuse, Chauve-souris laineuse. German: Kleine Wollfledermaus. Portuguese: Morcego lamoso Harrison.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008l; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008l; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004a; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016g). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species (Jacobs *et al.*, 2008l; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008l) [in IUCN (2009)] report that it is not known if the species is present in any protected areas. Further studies are needed to better understand the taxonomic status of *Kerivoula lanosa*.

GENERAL DISTRIBUTION:
Kerivoula lanosa has been recorded across sub-Saharan Africa, from Liberia and Guinea in the west, to Ethiopia and Kenya in the east, and ranging as far south as southern South Africa. In the latter country, its distribution is mainly affected by temperature seasonality (Babiker Salata, 2012: 49).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 636,522 km^2.

Native: Angola (Monadjem *et al.*, 2010d: 563); Botswana (Monadjem *et al.*, 2010d: 563); Central African Republic; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 563); Côte d'Ivoire; Ethiopia (Kruskop and Lavrenchenko, 2009: 72 - first record in over a 100 years); Gabon; Ghana; Guinea (Fahr and Ebigbo, 2003: 128); Kenya; Liberia; Malawi (Ansell and Dowsett, 1988; Monadjem *et al.*, 2010d: 563); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 563; Monadjem *et al.*, 2010c: 383); Nigeria (Happold, 1987); South Africa (Roberts, 1951; Smithers, 1983; Skinner and Smithers, 1990; Taylor, 1998; Skinner and Chimimba, 2005; Monadjem *et al.*, 2010d: 563); Swaziland (Monadjem *et al.*, 2010d: 563); Tanzania; Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 563); Zimbabwe (Cotterill, 1996a; Monadjem *et al.*, 2010d: 563).

Presence uncertain: Namibia (Cotterill, 2004a: 262; Monadjem *et al.*, 2010d: 563).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 28, FN = 50, BA = 24, a metacentric X chromosome, and an acrocentric Y chromosome, for specimens from South Africa.
Protein / allozyme - Unknown.

ROOST:
In the southern part of the Kruger Park, Pienaar (1964: 12) indicated that it is said that it often used disused nests of weaver birds, but he could not confirm this without doubt.

POPULATION:
Structure and Density - There appears to be little information available on the population abundance of this species (Jacobs *et al.*, 2008l; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008l; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Botswana, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Malawi, Mozambique, Namibia, Nigeria, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe.

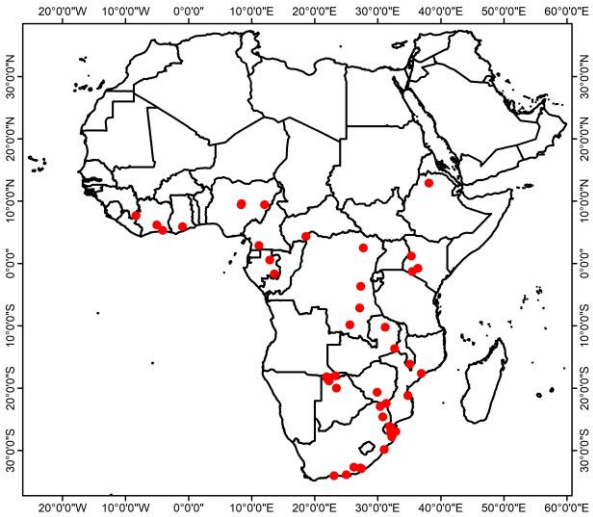

Figure 233. Distribution of *Kerivoula lanosa*

Kerivoula phalaena Thomas, 1912

*1912. *Kerivoula phalæna* Thomas, Ann. Mag. nat. Hist., ser. 8, 10 (57): 281. Publication date: 1 September 1912. Type locality: Ghana: Western province: Inland from Denkwa: Bibianaha [=Bibiani] [06 28 N 02 20 W, 720 ft] [Goto Description]. Holotype: BMNH 1912.6.20.3: ad ♀. Collected by: Dr. H.G.F. Spurrell; collection date: 24 April 1912; original number: 224. Presented/Donated by: Dr. H.G.F. Spurrell. - Etymology: From the Greek "*phalaena*" meaning whale. (Current Combination)
1973. *Kerivoula phalaema:* Eisentraut, Bonn. zool. Monogr., 3: 46. (Lapsus)
2010. *Kerivoula cf. phalaena:* Monadjem, Schoeman, Reside, Pio, Stoffberg, Bayliss, Cotterill, Curran, Kopp and Taylor, Acta Chiropt., 12(2): 383.
? *Kerivoula phalaena:* (Current Spelling)

TAXONOMY:
See Simmons (2005: 528).

COMMON NAMES:
Czech: vlnoušek západoafrický. English: Spurrell's Woolly Bat, Spurell trumpet-eared bat. French: Chauve-souris à oreilles en trompette de Spurell, Chauve-souris peinte phalène, Chauve-souris à oreilles en trompette de Spurell. German: Spurrells Wollfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Fahr, 2008d; Fahr, 2008d).
Assessment History -
2008 - LC ver 3.1 (2001) (Fahr, 2008d; Fahr, 2008d). 2004 - NT ver 3.1 (2001) (Fahr, 2004l; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are poorly known. Koopman *et al.* (1995) mention that this one of seven bat species from Liberia that have not been recorded from the lowland since 1965, and that it might have declined because of deforestation, although this may instead just indicate vagaries of collection within this country (Fahr, 2008d; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008d) [in IUCN (2009)] reports that it is not

known if the species is present within any protected areas. Additional studies are needed into the distribution, abundance, natural history and threats to this little known species.

GENERAL DISTRIBUTION:
Recorded from Guinea, Liberia, Côte d'Ivoire and Ghana in West Africa; and from Cameroon, the Democratic Republic of the Congo to western Uganda in Central Africa.
Native: Cameroon; Congo (The Democratic Republic of the); Côte d'Ivoire; Ghana; Guinea (Fahr and Ebigbo, 2004: 69); Liberia (Kuhn, 1965; Koopman *et al.*, 1995; Rwanda; Uganda.
Presence uncertain: Mozambique (Monadjem *et al.*, 2010c: 383, recorded as *K.* cf. *phalaena*).

HABITAT:
Monadjem *et al.* (2016y: 368) collected this bat in forested habitats in the Mount Nimba area, at altitudes between 450 and 700 m.

POPULATION:
Structure and Density - It appears to be a rare species that is known only from 14 localities (Fahr, 2008d; IUCN, 2009).

Trend - 2008 - Unknown (Fahr, 2008d; IUCN, 2009).

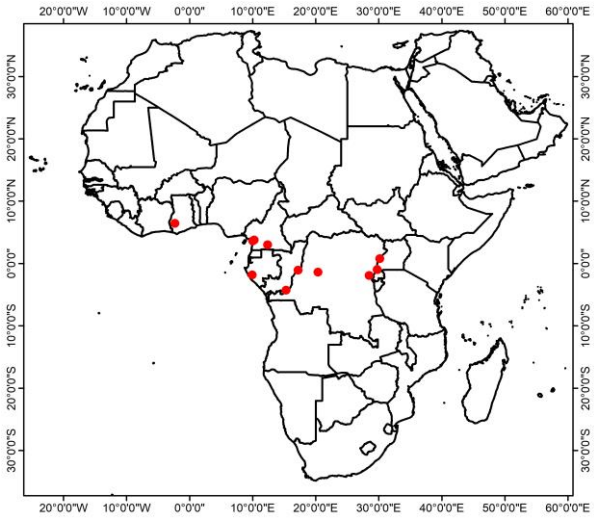

Figure 234. Distribution of *Kerivoula phalaena*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Gabon, Ghana, Liberia, Uganda.

Kerivoula smithii Thomas, 1880

*1880. *Kerivoula Smithii* Thomas, Ann. Mag. nat. Hist., ser. 5, 6 (32): 166, text-fig. Publication date: 1 August 1880. Type locality: Nigeria: Eastern region: Old Calabar [04 56 N 08 22 E]. Holotype: BMNH 1880.7.21.9: Collected by: Dr. A. Robb. Presented/Donated by: Dr. J.A. Smith. - Etymology: In honour of Dr. J.A. Smith, who presented to the type specimen to the British Museum of Natural History. (Current Combination)
? *Kerivoula smithi:* (Alternate Spelling)
? *Kerivoula smithii:* (Current Spelling)

TAXONOMY:
See Simmons (2005: 528).

COMMON NAMES:
English: Smith's Woolly Bat. French: Chauve-souris peinte de Smith. German: Smiths Wollfledermaus. Italian: Cherìvoula di Smith.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Fahr, 2008e; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Fahr, 2008e; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Fahr, 2004a; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species (Fahr, 2008e; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008e) [in IUCN (2009)] reports that it is not known if the species is present within any protected areas. Further studies are needed into the distribution, abundance, and general ecology of this apparently rare species.

GENERAL DISTRIBUTION:
Kerivoula smithii is known from scattered records in a distribution band ranging from Nigeria and Cameroon in the west, through the Democratic Republic of the Congo, to Uganda and Kenya in the east. It has been recorded at elevations of 900 to 2,800 m asl.

Fahr (2007a: 105) indicates that the specimens from Liberia mentioned by Happold (1987: 349) and Koopman *et al.* (1995) are actually representatives of *K. phalaena*. J. Fahr *pers. comm.* [in Simmons (2005: 528)] also suggests that records from Côte d'Ivoire (Happold, 1987:

349) appear to be in error.
Native: Cameroon; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966); Kenya (Harrison, 1963c; Aggundey and Schlitter, 1984) ; Nigeria (Happold, 1987: 77); Uganda.
Presence uncertain: Côte d'Ivoire (Happold, 1987: 349).

ECHOLOCATION:
Eisenring *et al.* (2016: SI 2) reported the following values for 14 calls from the Aberdares Range in Kenya: PF: 95.9 ± 6.2 (81.5 - 104.9), HF: 126.3 ± 7.2 (115.6 - 137.2), LF: 65.3 ± 13.2 (44.9 - 91.8), DT: 0.0 ± 0.0 (0.0 - 0.1), DF: 61.0 ± 16.5 (25.1 - 85.5), IPI: 0.2 ± 0.1 (0.1 - 0.6).

POPULATION:
Structure and Density - This species has been very rarely recorded (Happold, 1987: 77; Fahr, 2008e; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, 2008e; IUCN, 2009).

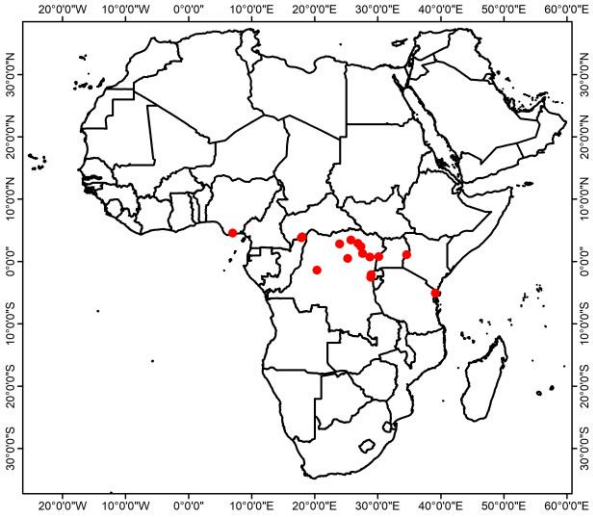

Figure 235. Distribution of *Kerivoula smithii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Central African Republic, Congo (Democratic Republic of the), Kenya, Nigeria, Tanzania, Uganda.

Subfamily Myotinae Tate, 1942

*1942. *Myotinae* Tate, Bull. Am. Mus. Nat. Hist., 80: 229. (Current Combination)
2005. *Myotiinae:* Ramírez-Pulido, Arroyo-Cabrales, and Castro-Campillo, Acta Zool. Mex. (ns), 21 (1): 31. - Comments: Ramírez-Pulido *et al.* (2005) refer to Simmons (1998) for Myotiinae, but Simmons (1998: 5) uses the correct spelling (Myotinae). (Lapsus)

TAXONOMY:
Tate (1942: 229) originally named Myotini as a tribe within Vespertilioninae, in which he included the genera *Myotis*, *Lasionycteris*, *Plecotus*, *Corynorhinus*, *Idionycteris* and *Euderma*. Although Tate (1942: 230) noted that the latter four genera might alternatively be referred to their own tribe Plecotini. This suggestion was followed by subsequent authors, and Myotini has been restricted to *Myotis* and *Lasionycteris* in recent classifications (e.g. Hill and Harrison, 1987; Koopman, 1994). Volleth and Heller (1994) described karyological data which indicate that Myotini represents a lineage distinct from Vespertilioninae, and therefore they suggested that Myotini be raised to the rank of subfamily. Despite their suggestion, Volleth and Heller (1994) did not use the name Myotinae in their publication, so formal usage of the name at the subfamily rank dates from Simmons (1998: 3, 5), who raised it to the subfamily level, and followed in recent classifications (e.g., Bannikova *et al.*, 2002: 722; Hoofer and Van Den Bussche, 2003: 21).
May not be monophyletlic; see Hoofer and Van Den Bussche (2001), and Simmons (2005). Hoofer and Van Den Bussche (2003: 21) and Roehrs *et al.* (2010: 1081) only include the members of the genus *Myotis*, (not *Lasionycteris* nor *Cistugo*).

Known genera of the subfamily Myotinae: †***Khonsunycteris*** Gunnell, Simons and Seiffert, 2008; ***Myotis*** Kaup, 1829.

COMMON NAMES:
Czech: netopýrcové.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Ruedi *et al.* (2013: 446-447) doubt the African origin of the Myotinae as proposed by Gunnell *et al.* (2012), and their molecular phylogeny points to eastern Asia as the cradle of *Myotis* evolution.

Gunnell *et al.* (2017: 14) suggest that the basal myotines (e.g. *Khonsunycteris*) originated in northern Africa in the Late Eocene, followed by the appearance of *Myotis* in the early Oligocene of Europe. The fact that they found a plecotine bat (*Quinetia misonnei*) in the same Belgian location, furthermore suggests that the vespertilionid subfamilies Vespertilioninae and Myotinae had already diverged by 33.5 MYA.

The discovery of the southernmost and oldest record of *Myotis podlesicensis* Kowalski, 1956 in Europe (Spain; Late Miocene) by Crespo *et al.*

(2017: 324) provides support for an African origin of this taxon.

†Genus ***Khonsunycteris*** Gunnell, Simons and Seiffert, 2008

*2008. *Khonsunycteris* Gunnell, Simons and Seiffert, J. Vert. Paleont., 28 (1): 3, 8. - Comments: Type species - *Khonsunycteris aegypticus* Gunnell, Simons and Seiffert, 2008. - Etymology: Khonsu, Egyptian God of the Moon, in reference to the nocturnal habits of vesper bats (Gunnell *et al.*, 2008). (Current Combination)

TAXONOMY:
See Gunnell *et al.* (2008).

SIMILAR SPECIES:
See Gunnell *et al.* (2008).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
See Gunnell *et al.* (2008).

Gunnell *et al.* (2017: 9) indicate that *Khonsunycteris* might be the earliest known myotine bat.

GENERAL DISTRIBUTION:
Egypt (Gunnell *et al.*, 2008).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Gunnell *et al.* (2008).

†***Khonsunycteris aegypticus*** Gunnell, Simons and Seiffert, 2008

*2008. *Khonsunycteris aegypticus* Gunnell, Simons and Seiffert, J. Vert. Paleont., 28 (1): 3, 8, fig. 8. Type locality: Egypt: Fayum Depression: Quarry L-41: Lower Sequence, Jebel Qatrani Formation. Holotype: CGM 83673. Left dentary c1-m2. - Comments: latest Eocene, Priabonian. - Etymology: Name for Egypt (Gunnell *et al.*, 2008). (Current Combination)

TAXONOMY:
See Gunnell *et al.* (2008).

SIMILAR SPECIES:
See Gunnell *et al.* (2008).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
See Gunnell *et al.* (2008).

GENERAL DISTRIBUTION:
Egypt (Gunnell *et al.*, 2008).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Gunnell *et al.* (2008).

Genus ***Myotis*** Kaup, 1829

*1829. *Myotis* Kaup, Skizzierte Entwicklungs-Geschichte Natürliche Systematik der Europäische Thierwelt, 1: 106. Publication date: 1829. - Comments: Type species: *Vespertilio myotis* Borkhausen, 1797. - Etymology: From the Greek "*μύξ*" or "*μυόξ*", meaning mouse and "*οὐς*" or "*ὠτός*" meaning ear (see Palmer, 1904: 442). Gardner (2005:184) considers the name to be masculine (My = mouse + ot = ear(ed) + is (Latin third declension ending)).

1829. *Nystactes* Kaup, Skizzierte Entwicklungs-Geschichte Natürliche Systematik der Europäische Thierwelt, 1: 108. Publication date: 1829. - Comments: Type species: *Vespertilio leisleri* Kuhl, 1817. - Etymology: From the Greek "*νυστακτής*", meaning the one who nods, a sleeper (see Palmer, 1904: 467).

1830. *Loeconoë* Boie, Isis oder Encyclopädische Zeitung von Oken, 256. Publication date: 1830. - Comments: Type species: *Vespertilio daubentonii* Kuhl, 1817. Considered a valid genus based on tooth morphology: see Menu (1985, 1987) in Menu *et al.* (2002: 320).

1841. *Capaccinius* Bonaparte, Iconografia Fauna italiana, 1: Indice Distributivo: 1. - Comments: Type species: *Vespertilio capaccinii* Bonaparte, 1837. - Etymology: In honour of Francesco Capaccini, under secretary of state of Rome about 1833-34, and a patron of Bonaparte's "Iconografia della Fauna Italica," published in 1832-1841 (see Palmer, 1904: 49).

1841. *Selysius* Bonaparte, Iconografia Fauna italiana, 1: Mamm., Introd.: 3. Publication date: 1841 [Goto Description]. - Comments: Type species: *Vespertilio mystacinus* Kuhl, 1817. - Etymology: In honour of Baron Edmond de Selys-Longchamps, 1813 - 1900, an eminent

naturalist and statesman, some time president of the Belgian Senate; author of "Etudes de Micromammalogie," 1839, and "Faune Belge," 1844 (see Palmer, 1904: 51).

1842. *Trilatitus* Gray, Ann. Mag. nat. Hist., [ser. 1], 10 (65): 258. Publication date: 1 December 1842. - Comments: Included *Vespertilio hasselti* Temminck, *M. macellus* Temminck, and *V. blepotis* Temminck (a *Miniopterus*) (see Hall and Kelson, 1959: 159; Hall, 1981: 183; Corbet and Hill, 1992: 119).

1849. *Tralatitus:* Gervais, Dictionnaire Universelle d'Histoire naturelle, 13: 213. - Comments: A lapsus for *Trilatitus* (see Hall, 1981: 183). Modification of *Trilatitus* (see Ellerman and Morrison-Scott, 1951: 137; Meester *et al.*, 1986: 47). (Lapsus)

1856. *Brachyotus* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (2): 131. Publication date: 1856. - Comments: Type species: *Vespertilio mystacinus* Kuhl, 1817. Preoccupied by *Brachyotus* Gould, 1837 (see Allen, 1939a: 89; Hall, 1981: 183; Corbet and Hill, 1992: 119 and Pavlinov *et al.*, 1995: 95) an avian genus. Based on *V. mystacinus*, *daubentonii* and *dascyneme* (see Allen, 1939a: 89).

1856. *Isotus* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (2): 131. Publication date: 1856. - Comments: Type species: *Vespertilio nattereri* Kuhl, 1817. Considered a valid subgenus by Pavlinov *et al.* (1995: 95). - Etymology: From the Greek "*ίσος*", meaning equal and "*ούς*" or "*ώτός*", meaning ear (see Palmer, 1904: 354).

1856. *Myotus:* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (2): 131. Publication date: 1856. (Lapsus)

1866. *Tralatitius:* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 90. Publication date: 1 February 1866. - Comments: Lapsus for *Trilatitus* Gray (seeHall, 1981: 183). Modification of *Trilatitus* (see Ellerman and Morrison-Scott, 1951: 137; Meester *et al.*, 1986: 47). (Lapsus)

1867. *Vespertilio (Pternopterus)* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 706. Publication date: 1867. - Comments: Type species: *Vespertilio (Pternopterus) lobipes* Peters, 1867 (=*Vespertilio muricola* Gray, 1846).

1870. *Aëorestes* Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 62 (1): 427. Publication date: 1870. - Comments: Based upon *Vespertilio villosissimus* E. Geoffroy, 1806, *albescens* E. Geoffroy, 1806, *laevis* I. Geoffroy, 1824 and *nigricans* Schinz, 1821 (see Allen, 1939a: 90; Hall, 1981: 183 [who excludes *laevis*]). Hill (in litt. In Meester *et al.*, 1986: 48) pointed out that *villosissimus* is a member of *Lasiurus* Gray, 1831, but all others are indeed *Myotis* representatives. If *villosissimus* can be regarded as the type species of *Aeorestes*, it should instead be included in *Lasiurus* (Meester *et al.*, 1986: 48). Hoofer and Van Den Bussche (2003: 25) consider *Aeorestes* a valid subgenus, including all of the New World species.

1870. *Comastes* Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 62 (1) 9: 565. Publication date: 1870. - Comments: Based upon *Vespertilio capaccinii* Bonaparte, *megapodius*, *dasycneme* Boie, *limnophilus* (see Allen, 1939a: 90). Based upon *Vespertilio capaccinii* and *dasycneme* according to Hall and Kelson (1959: 159) and Hall (1981: 183). - Etymology: From the Greek "*κωμαστής*", meaning reveler, probably referring to the animal's nocturnal habits (see Palmer, 1904: 197).

1870. *Exochurus* Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 62 (1) 6: 75. Publication date: 1870. - Comments: Based upon *Vespertilio macrodactylus* Temminck, *V. horsfieldii* Temminck, and *V. macrotarsus* Waterhouse (see Hall, 1981: 183; Corbet and Hill, 1992: 119). Not of Kolenati, 1858: see Cabrera (1914: 91). - Etymology: From the Greek "*εξοχος*", meaning standing out and "*ούρά*", meaning tail (see Palmer, 1904: 284).

1899. *Euvespertilio* Acloque, Faune de France, Mammifères, 38. - Comments: Includes *Vespertilio emarginatus* Geoffroy, *murinus* Schreber =*myotis* Borkhausen, *mystacinus* Kuhl, *nattereri* Kuhl, and *bechsteinii* Kuhl. Hall and Kelson (1959: 159) and Hall (1981: 183) state that *Euvespertilio* includes *emarginatus* and *murinus* in a composite sense.

1906. *Pizonyx* Miller, Proc. Biol. Soc. Wash., 19: 85. Publication date: 4 June 1906. - Comments: Type species: *Myotis vivesi* Menegaux, 1901. Considered a valid genus by Hall and Kelson (1959), but only as a subgenus of *Myotis* by Hall (1981: 183).

*1910. *Chrysopteron* Jentink, Notes Leyden Mus., 32: 74 [Goto Description]. - Comments: Type species: *Kerivoula weberi* Jentink, 1890 (=*Vespertilio formosa* Hodgson, 1835). Considered a valid subgenus by Hall and Kelson (1959: 159), Hall (1981: 183), Corbet and Hill (1992: 121) and Pavlinov *et al.* (1995: 95).

1917. *Dichromyotis* Bianchi, Ann. Mus. zool. Acad. Impér. Sci. St. Petersbourg, 21: lxxviii. - Comments: Type species: *Vespertilio formosus* Hodgson, 1835.

1917. *Megapipistrellus* Bianchi, Ann. Mus. zool. Acad. Impér. Sci. St. Petersbourg, 21: lxxvii. -

Comments: Type species: *Pipistrellus annectans* Dobson, 1871. Considered a valid subgenus by Pavlinov *et al.* (1995: 95).

1917. *Paramyotis* Bianchi, Ann. Mus. zool. Acad. Impér. Sci. St. Petersbourg, 21: lxxix. - Comments: Type species: *Vespertilio bechsteinii* Kuhl, 1817. New name for *Nystactes* Kaup, 1829, preoccupied (see Hall and Kelson, 1959: 159; Hall, 1981: 183). Considered a valid subgenus by Pavlinov *et al.* (1995: 95).
1917. *Rickettia* Bianchi, Ann. Mus. zool. Acad. Impér. Sci. St. Petersbourg, 21: lxxvii. - Comments: Type species: *Vespertilio (Leuconoe) ricketti* Thomas, 1894. Valid as a subgenus (see Hall and Kelson, 1959: 159; Hall, 1981: 183).
1929. *Anamygdon* Troughton, Rec. Austr. Mus., 17 (2): 87. - Comments: Type species: *Anamygdon solomonis* Troughton, (=*Vespertilio adversus* Horsfield, 1824 or *Leuconoe moluccarum* Thomas, 1915 ?).
1934. *Brachyotis:* Taylor, Monographs of the Bureau of Science, Manila, 30: 278. (Lapsus)
1958. *Hesperomyotis* Cabrera, Rev. Mus. Arg. Cienc. Nat., Zool., 4: 103. - Comments: Type species: *Myotis simus* Thomas, 1901.
1995. *Capaccinus:* Pavlinov, Borissenko, Kruskop and Jahonton, Arch. Zool. Mus., Moscow State Univ., 133: 95. (Lapsus)
1995. *Exochirus:* Pavlinov, Borissenko, Kruskop and Jahonton, Arch. Zool. Mus., Moscow State Univ., 133: 95. (Lapsus)
1995. *Selisius:* Pavlinov, Borissenko, Kruskop and Jahonton, Arch. Zool. Mus., Moscow State Univ., 133: 99. (Lapsus)
1996. *Myotiz:* Spiewak, Johansson and Wüthrich, Allergologie, 19 (11): 510 - 511. (Lapsus)
? *Loeconoe:* (Alternate Spelling)
? *Myotis sp.:*

TAXONOMY:

Woodman (1993) indicated that the genus name ending on -otis" is female, and therefore the species name should also be female. Benda and Tsytsulina (2000: 335) agree with Woodman (1993), but continue to understand *Myotis* as a masculine name, because it has been used for over 170 years, and hence was conserved in this way. Simmons (2005) follows Pritchard (1994) and retains the masculin names too. See also Gardner (2005: 184) where *Myotis* = My (mouse) + ot (ear[ed]) + is (Latin third declension ending) = masculine (Mammalia).

Bronner *et al.* (2003) state that the genus *Myotis* has been considered to include several subgenera, but the number thereof, and placement of species, varied considerably. Meester *et al.* (1986) listed three subgenera from the Southern African subregion, namely *Cistugo* Thomas, 1912 (for *seabrai* and *lesueuri*), *Chrysopteron* Jentink, 1910 (for *welwitschii*) and *Selysius* Bonaparte, 1841 (for *tricolor* and *bocagei*). Menu (1987) proposed synonymising *Selysius* under the subgenus *Leuconoe* Boie, 1830 on the basis of dental characters. This was endorsed by Koopman (1993a, 1994) who transferred *M. bocagei* to *Leuconoe* but included other *Selysius* and *Chrysopteron* in the subgenus *Myotis*, and also by Godawa-Stormark (1998)'s phenetic analysis of dental variation in the genus. Phylogenetic analysis of mitochondrial DNA sequences, however, do not support the monophyly of the three subgenera (*Selysius, Leuconoe* and *Myotis*) analysed (Ruedi and Mayer, 2001), but *Cistugo* warrants generic separation (N. Simmons in litt.) owing to the distinct wing glands and unique karyotypes (see Rautenbach *et al.*, 1993) found in *seabrai* and *lesueuri* from southern Africa.

Meester *et al.* (1986) state that their synonymy is slightly modified from Ellerman and Morrison-Scott (1951), who include also *Aeorestes* Fitzinger, 1870, a South American group, in the synonymy of *Myotis*, as does Hall (1981). However, J.E. Hill points out (in litt) that of the species included in this genus, the first, *Vespertilio villosissimus* E. Geoffroy, 1806, is a *Lasiurus* Gray, 1831, although the others, *albescens* E. Geoffroy, 1806, *nigricans* Schinz, 1821, and *levis* I. Geoffroy, 1824, belong in *Myotis*. If, as Hill suggests, *villosissimus* can be regarded as the type species of *Aeorestes*, it should instead be included in *Lasiurus*.

Phylogenetic analyses performed by Ruedi *et al.* (2013: 441) confirm that the Ethiopian clade within *Myotis* is highly supported with all methods of reconstruction (see also Stadelmann *et al.*, 2004b). This clade contains all of the sub-Saharan species, the species inhabiting the islands in the Western Indian Ocean, as well as *M. emarginatus* (which occurs circum-Mediterranean) and two Asian forms (*M.* cf. *formosus* and *M. formosus flavus*).

Ghazali *et al.* (2016: 475) state that phylogenetic relationships within *Myotis* reflect biogeographic

affinities rather than phenotypes. They also suggest that *Myotis* diverged from other bats in the early Miocene, with a subsequent split between Old and New World lineages about 19 MYA, and that ecomorphs ('Leuconoe' [near-water hunters], 'Myotis' [gleaners], 'Selysius' [aerial hawkers]) emerged independently in different lineages of *Myotis*. Their analyses indicate the ancestor of the African (Ethiopian) clade was most likely a *Myotis*, which diverged from the Eurasian clade about 17.0 MYA.

Bogdanowicz *et al.* (2015: Fig. 2, p. 640) mention Moroccan data for *Myotis nattereri*, but in the supplementary information, these are mentioned as *Myotis* cf. *nattereri*. They also include the Mediterranean coastal areas of Morocco and Algeria in the distribution area of *M. capaccinii*.

Known species of the genus *Myotis*: *abei* Yoshikura, 1944 – southern Sakhalin, Russia (Simmons, 2005: 500); *adversus* (Horsfield, 1824) – islands in Indonesia, New South Wales, Taiwan, possibly Vietnam and peninsular Malaysia (Simmons, 2005: 500); *aelleni* Baud, 1979 – southwestern Argentina (Simmons, 2005: 501); *albescens* (E. Geoffroy, 1806) – southern Veracruz (Mexico), Guatemala, Honduras, Nicaragua, Panama, Colombia, Venezuela, Guyana, Surinam, Equador, Peru, Brazil, Uruguay, northern Argentina, Paraguay and Bolivia (Simmons, 2005: 501); *alcathoe* von Helversen and Heller, 2001 – Greece, Hungary, France (Simmons, 2005: 501); *altarium* Thomas, 1911 – Szechwan, Kweichow (China), Thailand (Simmons, 2005: 501); ***anjouanensis*** Dorst, 1960; *annamiticus* Kruskop and Tsytsulina, 2001 – Vietnam (Simmons, 2005: 501); *annectans* (Dobson, 1871) – northeastern India to Burma, Thailand, Laos, Cambodia and Vietnam (Simmons, 2005: 502); *atacamensis* (Lataste, 1892) – southern Peru, northern Chile (Simmons, 2005: 502); *ater* (Peters, 1866) – Vietnam, western Sumatra, Peninsular Malaysia, Sulawesi, Togian Isl, northern Borneo, Moluccas, Papua New Guinea (Simmons, 2005: 502); *auriculus* Baker and Stains, 1955 – Arizona and New Mexico (USA) to Jalisco and Veracruz (Mexico); Guatemala (Simmons, 2005: 502); *australis* Dobson, 1878) – New South Wales (Simmons, 2005: 502); *austroriparius* (Rhoads, 1897) – southeastern USA including Florida, north to Indiana and North Carolina, west to Texas and southeastern Oklahoma (Simmons, 2005: 502); *bechsteinii* (Kuhl, 1817) – Europe to Caucasus and Iran; Bulgaria; England; southern Sweden (Simmons, 2005: 503); *blythii* (Tomes, 1857) – Turkey and Israel to Iraq and Iran; northwestern India and the Himalayas; northwestern Altai Mtns; Inner Mongolia and Shensi (China) (Simmons, 2005: 503); ***bocagii*** (Peters, 1870); *bombinus* Thomas, 1906 – Japan, Korea, southeastern Siberia, northeastern China (Simmons, 2005: 503); *brandtii* (Eversmann, 1845) – Britain south to Italy, Greece and Bulgaria, east to Kazakhstan and Mongolia, eastern Siberia, Kamchatka Peninsula and Kurile Isls; Ussuri region (Russia), Korea (Simmons, 2005: 503); *bucharensis* Kuzyakin, 1950 – Uzbekistan, Tajikistan and Afghanistan (Simmons, 2005: 504); *californicus* (Audubon and Bachman, 1842) – southern Alaska Panhandle (USA) to Baja California and higher elevations in the Sonoran and Chihuahuan deserts (Mexico); Guatemala (Simmons, 2005: 504); *capaccinii* (Bonaparte, 1837) – Mediterranean zone and islands of Europe; Bulgaria; Turkey; Israel; Iraq; Iran; Uzbekistan (Simmons, 2005: 504); *chiloensis* (Waterhouse, 1840) – central and southern Chile; Argentina (Simmons, 2005: 504); *chinensis* (Tomes, 1857) – Szechwan and Yunnan to Kiangsu (China); Hong Kong; northern Thailand; Burma; Vietnam (Simmons, 2005: 505); *ciliolabrum* Merriam, 1886 – southern Alberta and Saskatchewan (Canada) south through eastern Colorado and western Kansas (USA) (Simmons, 2005: 505); *cobanensis* Goodwin, 1955 – central Guatemala (Simmons, 2005: 505); *csorbai* Topál, 1997 – Nepal (Simmons, 2005: 505); *dasycneme* (Boie, 1825) – France and Sweden east to Yenisei River (Russia), south to Ukraine, northwestern Kazakhstan, China (Simmons, 2005: 505); *daubentonii* (Kuhl, 1817) – Europe (including Britain and Ireland; Scandinavia) east to Kamtschatka, Vladivostok, Sakhalin and Kurile Isls (Russia), Japan, Korea, Manchuria, northern and eastern China (including Tibet), Vietnam (Simmons, 2005: 505); *davidii* Peters, 1869 – northern China (Simmons, 2005: 506); ***dieteri*** M. Happold, 2005; *dominicensis* Miller, 1902 – Dominica, Guadeloupe (Simmons, 2005: 506); *elegans* Hall, 1962 – Mexico to Costa Rica (Simmons, 2005: 506); ***emarginatus*** (E. Geoffroy, 1806); *evotis* (H. Allen, 1864) – southern British Columbia, southern Alberta, southern Saskatchewan (Canada) to New Mexico (USA) and Baja California (Mexico) (Simmons, 2005: 506); *fimbriatus* (Peters, 1871) – southeastern China (Simmons, 2005: 507); *findleyi* Bogan, 1978 – Trés Marías Isls (Mexico) (Simmons, 2005: 507); *formosus* (Hodgson, 1835) – Afghanistan to northern India, Nepal, Tibet, Kweichow, Kwangsi, Kiangsu and Fukien (China), Taiwan, Korea, Tsushima Isl (Japan), Malaysia, Philippines, Sumatra, Java, Sulawesi and Bali (Simmons, 2005: 507); *fortidens* Miller and Allen, 1928 – Sonora and Veracruz (Mexico) to Guatemala (Simmons, 2005: 507); *frater* G. M. Allen, 1923 – eastern Siberia, Ussuri Region, Krasnoyarsk Region (Russia) to Korea, Heilungkiang (China), southeastern China; Japan (Simmons, 2005: 507);

gomantongensis Francis and Hill, 1998 – Sabah (Borneo, Malaysia) (Simmons, 2005: 508); ***goudoti*** (A.Smith, 1834); *grisescens* A. H. Howell, 1909 – Florida Panhandle to Kentucky, Indiana, Illinois, eastern Kansas and northeastern Oklahoma (USA) (Simmons, 2005: 508); *hajastanicus* Argyropulo, 1939 – Sevan Lake basin in Armenia (Simmons, 2005: 508); *hasseltii* (Temminck, 1840) – eastern India, Sri Lanka, Burma, Thailand, Cambodia, Vietnam, western Malaysia, Sumatra, Mentawai Isls, Riau Arch., Java, Borneo (Simmons, 2005: 508); *hermani* Thomas, 1923 – Sumatra (Indonesia) (Simmons, 2005: 508); *horsfieldii* (Temminck, 1840) – India, Andaman Isls, southeastern China, Thailand, Burma, Laos, Vietnam, western Malaysia, Java, Bali, Sulawesi, Borneo, Philippines (Simmons, 2005: 508); *hosonoi* Imaizumi, 1954 – Honshu (Japan) (Simmons, 2005: 509); *ikonnikovi* Ognev, 1912 – Ussuri region and North Korea to Lake Baikal (Russia), the Altai Mtns and Mongolia, northeastern China; Sakhalin Isl (Russia) and Honshû and Hokkaido Isls (Japan) (Simmons, 2005: 509); *insularum* (Dobson, 1878) – Samoa (Simmons, 2005: 509); *keaysi* J. A. Allen, 1914 – Tamaulipas (Mexico) to Bolivia, northern Argentina, Peru, Ecuador, Venezuela and Trinidad (Simmons, 2005: 509); *keenii* (Merriam, 1895) – Alaska Panhandle to western Washington (USA) (Simmons, 2005: 509); *laniger* Peters, 1871 – southern China including Tibet, Vietnam, eastern India (Simmons, 2005: 509); *leibii* (Audubon and Bachman, 1842) – eastern North America from southern Ontario, southern Quebec (Canada) and southern Maine (USA) to southwards to Georgia and western to eastern Oklahoma (USA) (Simmons, 2005: 509); *levis* (I. Geoffroy, 1824) – Bolivia, Argentina, southeastern Brazil, Uruguay (Simmons, 2005: 510); *longipes* (Dobson, 1873) – Afghanistan, northeastern India, Nepal (Simmons, 2005: 510); *lucifugus* (Le Conte, 1831) – Alaska (USA) to Labrador and Newfoundland (Canada), south to southern California, northern Arizona, northern New Mexico (USA) (Simmons, 2005: 510); *macrodactylus* (Temminck, 1840) – Japan, Kunashir Isl and Kurile Isls (Russia), southeastern Siberia, Korea (Simmons, 2005: 510); *macropus* (Gould, 1854) – southern Australia (Simmons, 2005: 511); *macrotarsus* (Waterhouse, 1845) – Philippines, northern Borneo (Simmons, 2005: 511); *martiniquensis* LaVal, 1973 – Martinique, Barbados (Lesser Antilles) (Simmons, 2005: 511); *melanorhinus* Merriam, 1890 – British Columbia (Canada) south to central Mexico and east to western Oklahoma (USA) (Simmons, 2005: 511); *moluccarum* (Thomas, 1915) – Ambon and Kai Isls (Moluccas), northern and western Australia, Seram, Waigeo Isl (West Palua, Indonesia), Papua New Guinea, Bismarck Arch., Solomon Isls (Simmons, 2005: 511); *montivagus* (Dobson, 1874) – Yunnan to Fukien and Chihil (China), northeastern India, Burma, Vietnam, Laos, northeastern Thailand, western Malaysia, Borneo (Simmons, 2005: 511); ***morrisi*** Hill, 1971. *muricola* (Gray, 1846) – Afghanistan through northern India and Nepal to Taiwan, Vietnam, Malaysia, Indonesia and New Guinea (Simmons, 2005: 512); *myotis* (Borkhausen, 1797) – central and southern Europe, east to Ukraine; southern England, most Mediterranean islands; Asia Minor; Lebanon, Syria and Israel (Simmons, 2005: 512); ***mystacinus*** (Kuhl, 1817); *nattereri* (Kuhl, 1817) – Ireland, Great Britain, Europe (except northern Scandinavia), Morocco, northern Algeria, Turkey, Israel, Jorden, Lebanon, Iraq, Iran, Bulgaria, Crimea and Caucasus to Turkmenistan (Simmons, 2005: 513); *nesopolus* Miller, 1900 – northeastern Venezuela; Curaçao and Bonaire (Netherlands Antilles) (Simmons, 2005: 513); *nigricans* (Schinz, 1821) – Nayarit and Tamaulipas (Mexico) to Peru, Bolivia, northern Argentina, Paraguay and southern Brazil; Trinidad and Tobago; St. Martin, Montserrat, Grenada (Lesser Antilles) (Simmons, 2005: 513); *nipalensis* Dobson, 1871 – Iran, Turkey and Uzbekistan to Nepal, Mongolia, Tibet and northwestern China, Siberia (Simmons, 2005: 513); *occultus* Hollister, 1909 – southern California to Arizona, New Mexico and Colorado (USA), south to Distrito Federal (Mexico) (Simmons, 2005: 514); *oreias* (Temminck, 1840) – Singapore (Simmons, 2005: 514); *oxygnathus* Monticelli, 1885 – Mediterranean region from Spain to Italy and Greece; Bulgaria to Turkmenistan, Kyrgyztan and Afghanistan (Simmons, 2005: 514); *oxyotus* (Peters, 1867) – Venezuela to Bolivia; Panama; Costa Rica (Simmons, 2005: 514); *ozensis* Imaizumi, 1954 – Honshu (Japan) (Simmons, 2005: 514); *peninsularis* Miller, 1898 – southern Baja California (Mexico) (Simmons, 2005: 514); *pequinius* Thomas, 1908 – Hong Kong, Hopeh, Shantung, Honan and Kiangsu (China) (Simmons, 2005: 514); *planiceps* Baker, 1955 – Coahuila, Nuevo León and Zacatecas (Mexico) (Simmons, 2005: 515); *pruinosus* Yoshiyuki, 1971 – Honshu and Shikoku (Japan) (Simmons, 2005: 515); ***punicus*** Felten, Spitzenberger and Storch, 1977; *ricketti* (Thomas, 1894) – Fukien, Anhwei, Kiangsu, Shantung, Yunnan (China); Hong Kong; Vietnam and Laos (Simmons, 2005: 515); *ridleyi* Thomas, 1898 – western Malaysia, Sumatra, Borneo (Simmons, 2005: 515); *riparius* Handley, 1960 – Honduras south to Uruguay, eastern Brazil, Argentina, Paraguay and Bolivia; Trinidad (Simmons, 2005: 515); *rosseti* (Oey, 1951) – Cambodia, Thailand (Simmons, 2005: 516); *ruber* (E. Geoffroy, 1806) – southeastern Brazil, southeastern Paraguay, northeastern Argentina (Simmons, 2005: 516); *schaubi* Komos, 1934 – Arminia and western Iran (Simmons, 2005: 516); ***scotti*** Thomas, 1927; *septentrionalis* (Trouessart,

1897) – eastern USA and Canada west to British Columbia, eastern Montana, eastern Wyoming; south to Alabama, Georgia, and Florida Panhandle (Simmons, 2005: 516); *sicarius* Thomas, 1915 – northeastern India and Nepal (Simmons, 2005: 516); *siligorensis* (Horsfield, 1855) – northern India to southern China, Burma, Vietnam and Laos; south to western Malaysia; Borneo (Simmons, 2005: 516); *simus* Thomas, 1901 – Colombia, Ecuador, Peru, northern Brazil, Bolivia, northeastern Argentina and Paraguay (Simmons, 2005: 517); *sodalis* Miller and Allen, 1928 – New Hampshire to Florida Panhandle, west to Wisconsin and Oklahoma (USA) (Simmons, 2005: 517); *stalkeri* Thomas, 1910 – Kai and Gebe Isls (Molucca Isls), Waigeo Isl. (Prov. of Papua, Indonesia) (Simmons, 2005: 517); *thysanodes* Miller, 1897 – Chiapas (Mexico) to southwestern South Dekota (USA) and south-central British Columbia (Canada) (Simmons, 2005: 517); ***tricolor*** (Temminck, 1832); *velifer* (J. A. Allen, 1890) – Honduras to Kansas and southeastern California (USA) (Simmons, 2005: 517); *vivesi* Menegaux, 1901 – coast of Sonora and Baja California (Mexico), mainly on small islands (Simmons, 2005: 518); *volans* (H. Allen, 1866) – Jalisco to Veracruz (Mexico); Alaska Panhandle (USA) to Baja California (Mexico), east to northern Nuevo León (Mexico), South Dekota (USA) and central Alberta (Canada) (Simmons, 2005: 518); ***welwitschii*** (Gray, 1866); *yanbarensis* Maeda and Matsumura, 1998 – Northern Okinawa Isl (Japan) (Simmons, 2005: 518); *yesoensis* Yoshiyuki, 1984 – Hokkaido (Japan) (Simmons, 2005: 518); *yumanensis* (H. Allen, 1864) – Hidalgo, Morelos and Baja California (Mexico) north to British Columbia (Canada), east to Montana and western Texas (USA) (Simmons, 2005: 518).

COMMON NAMES:
Czech: netopýři myší, ouška myší, netopýrcové. English: Mouse-eared Bats, Little Brown Bats, Hairy Bats, Large-footed Bats. French: Murins. German: Mausohr, Mausohren. Polish: nocki.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
In Africa *Myotis* sp. have been found deposits of the Plio-Pleistocene, at Bolt's Farm, South Africa (Broom, 1948). Early Pleistocene, at Olduvai (Butler, 1978). Geraads *et al.* (2010: 279) reported the presence of *Myotis* in Late Cenozoic (ca. 2.5 MYA) deposits in Ahl al Oughlam, Morocco.

Molecular dating performed by Ruedi *et al.* (2013: 437-441) suggest an origin of all recent *Myotis* in the early Miocene (about 21 MYA with 95 % highest posterior density interval 23 - 20 MYA).

Shi and Rabosky (2015: 1532) report the approximate fossil date for crown Myotinae to be 27 MYA.

However, a recent study by Gunnell *et al.* (2017) reported on a fossil *Myotis* found in a Belgian Oligocene locality, dating 33 MYA.

The Ethiopian clade (see Taxonomy) would have been separated about 12.33 (15 - 10) MYA.

MOLECULAR BIOLOGY:
Baker *et al.* (1974) recorded the karyotype of *Myotis* as 2*n* = 44, AA = 50, but Dippenaar *et al.* (1983) give it as 2*n* = 50, AA = 48 in both *seabrai* and *lesueuri*.

PREDATORS:
In Algeria, Djilali *et al.* (2016: 159) found the Short-eared owl (*Asio flammeus*) to feed primarily on bats of the genus *Myotis*. They made up 37.8 % of all prey items (195 specimens on 516 prey items). The second one was *Gerbillus nanus* with only 5.4 % of all preys.

PARASITES:
From non-specified *Myotis* specimens, the following nycteribiids were reported by Vermeil (1960) from Tunisia: *Penicillidia conspicua* Speiser, 1900, *Nycteribia vexata vexata* Westwood, 1835, *Nycteribia biarticulata* Hermann, 1804, *Nycteribia latreillii* Leach, 1817, and *Nycteribia schmidlii* Schiner, 1853.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Egypt, Ethiopia, Gabon, Kenya, Morocco, Tanzania, Tunisia, Uganda.

†***Myotis darelbeidensis*** Gunnell, Eiting, and Geraads, 2011

*2011. *Myotis darelbeidensis* Gunnell, Eiting, and Geraads, N. Jb. Geol. Paläont. Abh., 260 (1): 59, figs 3C, 5A-C, 8A-C. Publication date: January 2011. Type locality: Morocco: Ahl al Oughlam [ca. 33 35 N 07 30 W] [Goto Description]. Holotype: INSAP AaO 4571. right dentary fragment with p2-m3. Paratype: INSAP AaO 4589. Left maxilla P4-M1. - Etymology: Name taken from Dar el Beida ("white house"), the Arabic name for Casablanca (see Gunnell *et al.*, 2011: 60). (Current Combination)

TAXONOMY:
Gunnell *et al.* (2011: 60) describe it as a large species of *Myotis*, similar in size to *M. blythii* and *M. myotis*, much larger than most other extant Mediterranean *Myotis* species (including *M. capaccinii*, *M. bechsteinii*, *M. emarginatus*).

Myotis anjouanensis (Dorst, 1960)

*1960. *? anjouanensis* Dorst, Bull. Mus. natn. Hist. nat., Paris, sér. 2, 31: 476 (for 1959). Type locality: Comoros: Anjouan Island. - Etymology: The specific name refers to the island where the type specimen was collected.
? *Myotis anjouanensis* (Name Combination, Current Combination)

TAXONOMY:
Considered a synonym of *goudoti* by Koopman (1993a: 211), and a subspecies of *goudoti* by Peterson *et al.* (1995: 89), but a valid species by Simmons (2005).

Csorba *et al.* (2014: 667) include *anjouanensis* in the subgenus *Chrysopteron*.

COMMON NAMES:
Czech: netopýr anžuánský. English: Anjouan Myotis, Anjouan Mouse-eared Bat. French: Murin d'Anjouan, Vespertilion de l'Ile d'Anjouan. German: Anjouan-Mausohr.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) since it has only recently been recognised as a distinct species, and there is still very little information on its extent of occurrence, status, threats and ecological requirements (Jacobs, 2008c; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs, 2008c; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs, 2004k; IUCN, 2004).

MAJOR THREATS:
The threats to this species are not known (Jacobs, 2008c; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs (2008c) [in IUCN (2009)] reports that it is not known if the species is present in any protected areas. Further studies are needed into the natural history and possible threats to this little-known species.

GENERAL DISTRIBUTION:
Myotis anjouanensis is endemic to the island of Anjouan in the Comoros Islands.

Native: Comoros.

POPULATION:
Structure and Density - There is currently little information on the abundance of this species (Jacobs, 2008c; IUCN, 2009). Specimens were collected by Goodman, 2007) from Anjouan in 2007.

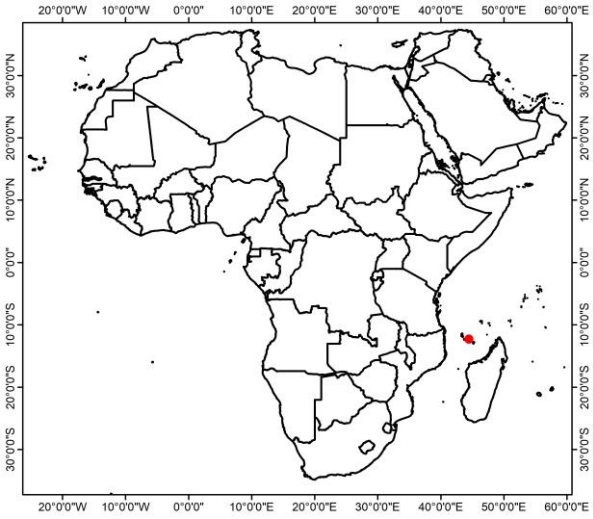

Figure 236. Distribution of *Myotis anjouanensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Comoros.

Myotis bocagii (Peters, 1870)

*1870. *Vespertilio Bocagii* Peters, J. Sci. mat. phys. nat., ser. 1, 3 (10): 125. Publication date: December 1870. Type locality: Angola: Duque de Bragança [08 55 S 16 10 E]. Lectotype: ZMB 3973: ad ♂, skull and alcoholic. Presented/Donated by: José Vicente Barboza du Bocage. Lectotype designated by Turni and Kock (2008: 57). - Comments: Turni and Kock (2008: 57) also indicate that Peters did not mention the number of specimens he examined, therefore it might be possible that additional syntypes might have existed in the Lisbon museum, but were destroyed by the fire in 1978. Thorn *et al.* (2009: 51) situate the type

locality at 09 23 S 15 53 E. - Etymology: In honour of J.V. Barbosa du Bocage, an eminent Portuguese zoologist, who worked during the nineteenth century, and who named material from the Congo and Angola collected by his Portuguese colleague Snr. M. Jose d'Anchieta (Smithers, 1983: 93).

1976. *Myotis boccagei:* Brosset, Z. Tierpsychol., 42 (1): 50. (Lapsus)
1996. *Myotis bocagi:* Kityo and Kerbis, J. East Afr. Nat. Hist., 85: 63. (Lapsus)
? *Myotis (Selysius) bocagei:* (Name Combination, Alternate Spelling)
? *Myotis bocagei:* (Alternate Spelling)
? *Myotis bocagii:* (Name Combination, Current Combination)

TAXONOMY:

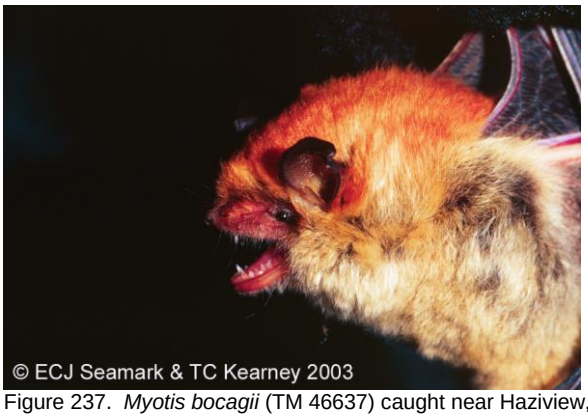

Figure 237. *Myotis bocagii* (TM 46637) caught near Haziview, Mpumalanga, South Africa.

Mentioned as *bocagei* by Corbet (1978: 49), Smithers (1983: 93), Meester *et al.* (1986: 49), Koopman (1993a: 209), Horácek *et al.* (2000: 121) Wilson and Cole (2000: 58), Hutson *et al.* (2001: 28), Fenton and Bogdanowicz (2002: 1008) but as *bocagii* by Ansell and Dowsett (1988: 37), Harrison and Bates (1991: 76), Grubb *et al.* (1998: 82), Stadelmann *et al.* (2004b: 178); and as *bocagi* by Kityo and Kerbis (1996: 63).

Csorba *et al.* (2014: 667) include *bocagii* in the subgenus *Chrysopteron*.

COMMON NAMES:
Afrikaans: Rooi langhaarvlermuis. Czech: netopýr Bocageův. English: Rufous Mouse-eared bat, Bocage's Mouse-eared Bat, Rufous Mouse-eared Myotis, Rufous Hairy Bat, Bocage Banana Bat, Bocage's Hairy Bat. French: Murin roux, Murin de Du Bocage. German: Kupferfarbenes Mausohr, Bananen-Mausohr. Portuguese: Morcego lanudo de Bocage. Spanish (Castillian): Murciélago de Orejas de Ratón.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs, 2008d; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs, 2008d; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs, 2004f; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016j). 2004 - DD ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Jacobs, 2008d; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs (2008d) [in IUCN (2009)] reports that it has been recorded from Kruger National Park, South Africa (Skinner and Chimimba, 2005), Dzanga-Sangha Special Dense Forest Reserve in the Central African Republic (Lunde *et al.*, 2001), and from the Manga Forest Reserve in Tanzania (Doggart *et al.*, 1999b), and in view of the species wide range it is presumed to be present in many more protected areas. There are no direct conservation measures currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Myotis bocagii is widespread throughout much of sub-Saharan Africa. It occurs from Sierra Leone and Senegal in West Africa, eastwards through Cameroon and Central Africa, to Ethiopia and East Africa, being recorded as far south as northeastern South Africa. Outside of Africa it has been recorded from southern Yemen.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 594,469 km^2.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 564); Benin; Burkina Faso (Kangoyé *et al.*, 2015a: 618); Burundi; Cameroon; Central African Republic; Congo (The Democratic Republic of the) (Allen, 1917; Hayman *et al.*, 1966; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 564); Côte d'Ivoire; Equatorial Guinea; Ethiopia; Gabon; Ghana; Guinea (Fahr *et al.*, 2006a: 73); Kenya; Liberia (Monadjem and Fahr,

2007: 50); Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 564); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 564; Monadjem *et al.*, 2010c: 383); Nigeria; Rwanda; Senegal; Sierra Leone; South Africa (Monadjem *et al.*, 2010d: 564); Swaziland (Monadjem *et al.*, 2010d: 564; Shapiro and Monadjem, 2015: 353); Sudan; Tanzania (Stanley and Goodman, 2011: 43); Togo; Uganda; Yemen; Zambia (Monadjem *et al.*, 2010d: 564); Zimbabwe (Monadjem *et al.*, 2010d: 564).

Bates *et al.* (2013: 339) reject the occurrence of *M. bocagii* in the Republic of Congo as Happold (2013dn: 693) only provided a map without any supporting data.

ECHOLOCATION:
Schoeman and Waddington (2011: 291) mention a peak frequency of 43.2 ± 0.2 kHz and a duration of 2.0 ± 0.1 msec for specimens from Durban, South Africa. Monadjem *et al.* (2017c: 179) reported for one specimen the following parameters from Swaziland: F_{min}: 30.1 kHz, F_{knee}: 41.2 kHz, F_c: 36.6 kHz, and duration: 2.8 msec. They were also to capture the call up to a distance of 5 m.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 44, FN = 50, BA = 8, a submetacentric X chromosome, and an acrocentric Y chromosome, for specimens from South Africa. These results are the same as those obtained for *M. tricolor* specimens from South Africa and Zimbabwe (Rautenbach *et al.*, 1993).
Protein / allozyme - Unknown.

HABITAT:
In southern Africa, this species primarily (82 %) occurs in Savanna habitats (Cooper-Bohannon *et al.*, 2016: Table S2).

In the Mount Nimba area, Monadjem *et al.* (2016y: 369) collected one specimen in old growth forest at 420 m.

HABITS:
Brosset (1976) found that harem groups of female *M. bocagii*'s remained very stable over a period of several years. The males in these groups were replaced more often.

DIET:
From the Umbilo River in KwaZulu Natal (RSA), Naidoo *et al.* (2011: 26) reported the following prey volume percentages: during summer: Lepidoptera (1.3 ± 1.9), Coleoptera (0.8 ± 1.0), Hemiptera (8.5 ± 13.1), Diptera (37.8 ± 25.8), and Trichoptera (51.8 ± 29.9); during winter: Lepidoptera (7.5 ± 10.6), Coleoptera (32.5 ± 46.1), Hemiptera (20.0 ± 28.3), Diptera (33.4 ± 33.0), and Trichoptera (6.7 ± 4.7).

POPULATION:
Structure and Density - Although this species is difficult to catch it is possibly not very rare (Jacobs, 2008d; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs, 2008d; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Stanley and Goodman (2011: 43) report on a male with scrotal testes collected in the East Usambara Mountains (Tanzania) on 30 July 1992.

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, for antibodies to SARS-CoV in serum of one individual from Limpopo Province, South Africa, which tested negative (0/1).

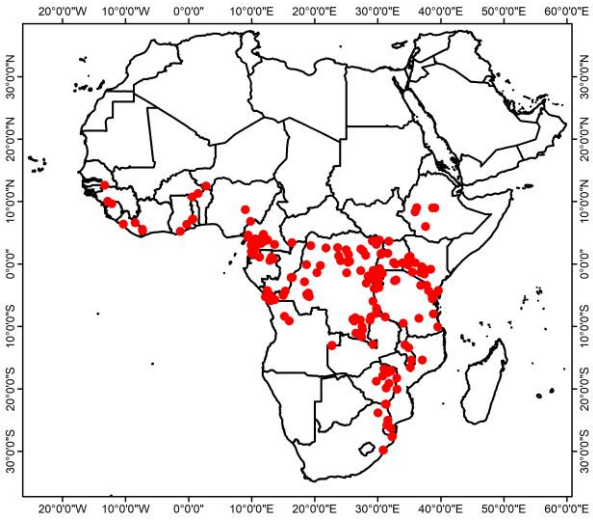

Figure 238. Distribution of *Myotis bocagii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Malawi, Mozambique, Niger, Rwanda, Senegal, South Africa, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

Myotis bocagii bocagii (Peters, 1870)

*1870. *Vespertilio Bocagii* Peters, J. Sci. mat. phys. nat., ser. 1, 3 (10): 125. Publication date: December 1870. Type locality: Angola: Duque de Bragança [08 55 S 16 10 E] [Goto

Description].

1904. *Myotis Hildegardeæ* Thomas, Ann. Mag. nat. Hist., ser. 7, 13 (75): 209. Publication date: 1 March 1904. Type locality: Kenya: Fort Hall [=Muranga] [00 43 S 37 09 E, 4 000 ft] [Goto Description]. Holotype: BMNH 1903.3.2.2: ♂. Collected by: Mrs. Hildegarde Hinde; collection date: 17 October 1902; original number: 115.

? *Myotis bocagei bocagei:* (Alternate Spelling)

? *Myotis bocagei hildegardeae:* (Name Combination, Alternate Spelling)

? *Myotis bocagii bocagii:* (Name Combination, Current Combination)

GENERAL DISTRIBUTION:
Uganda to Ethiopia, south to Angola, Zambia, Malawi, and Transvaal (South Africa).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Cameroon, Congo (Democratic Republic of the), Kenya, Malawi, South Africa, Tanzania, Uganda.

Myotis bocagii cupreolus Thomas, 1904

*1904. *Myotis Bocagei cupreolus* Thomas, Ann. Mag. nat. Hist., ser. 7, 13 (78): 407. Publication date: 1 June 1904. Type locality: Cameroon: Efulen [02 46 N 10 42 E] [Goto Description]. Holotype: BMNH 1903.2.4.6: ♂. Collected by: George Latimer Bates Esq. Collection date: 14 August 1901. - Comments: Evenhuis (2003: 36) states that pages 329 to 424 were included in part 77, which appeared on 1 May 1904. However, the title page of the publication indicates that the part is 78, which was published on 1 June 1904. (Current Combination)

? *Myotis bocagii cupreolus:* (Current Spelling)

GENERAL DISTRIBUTION:
West Africa.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Liberia, Malawi, Nigeria, Sierra Leone.

Myotis capaccinii (Bonaparte, 1837)

*1837. *Vespertilio Capaccinii* Bonaparte, Iconografia Fauna italiana, 1, fasc. 20 and pl., fig. Publication date: 1837. Type locality: Italy: Sicily [Goto Description]. Holotype: BMNH 1907.1.1.734:. - Etymology: In honour of Francesco Capaccini, under secretary of state of Rome about 1833-34, and a patron of Bonaparte's "Iconografia della Fauna Italica," published in 1832-1841 (Palmer, 1904: 49). (see Palmer, 1904: 49; Kozhurina, 2002: 15).

? *Myotis capaccinii capaccinii:* (Name Combination)

? *Myotis capaccinii:* (Name Combination, Current Combination)

TAXONOMY:
Most recent authors consider *M. capaccinii* as a monotypic species (Spitzenberger and von Helversen, 2001; Simmons, 2005).

COMMON NAMES:
Albanian: Lakuriq nate gisht-gjate. Basque: Saguzar hankahandia. Catalonian (Spain): Rat penat de peus grans. Croatian: Dugonogi šišmiš. Czech: netopýr dlouhonohý. Dutch: Capaccini's vleermuis. English: Capaccinii's Mouse-eared Bat, Long-fingered Bat, Long-fringed bat, Long-fingered Myotis. French: Murin De Capaccini, Vespertilion de Capaccini, Vespertilion des montagnes. German: Langfussfledermaus, Langfußfledermaus, Freischeinige Stelzfussfledermaus. Greek: Ποδαρομνωίδα. Hungarian: Nycteris i macropus. Italian: Vespertilio di Capaccini. Macedonian: Dolgoprst Nokjnik. Roman: Vespertil da Capaccini. Romanian: Liliac-cu-picioare-lungi. Slovenian: dolgonogi netopir. Spanish (Castillian): Murciélago patudo, Murciélago Ratonero Patudo.

CONSERVATION STATUS:
Global - The species occupies specialised habitat (caves and associated water systems). In the eastern part of the range it congregates in winter in a few sites which are threatened by human disturbance. It has declined between 30 and 50 % in Spain in the last 10 years, and there are indications of declines in other parts of the range. It only hunts in watercourses and is therefore

threatened by water pollution and the development of tourist infrastructure, which is expected to continue in the future. It is suspected that population declines are underway that will exceed 30 % over 18 years (3 generations), and for that reason the species is considered Vulnerable (VU A4bce ver 3.1 (2001)) (Hutson *et al.*, 2008k; IUCN, 2009).

Assessment History -
2008 - VU A4bce ver 3.1 (2001) (Hutson *et al.*, 2008k; IUCN, 2009). 1996 - VU (Baillie and Groombridge, 1996). 1994 - VU (IUCN, 1994). 1990 - VU (IUCN, 1990). 1988 - VU (IUCN, 1988).

MAJOR THREATS:
Threats include changes in water quality through pollution and dam building, and loss of water bodies and watercourses. Damage or disturbance to caves (tourism, fires and vandalism) used as roosts may also be a problem, as the species is very dependent on caves. The species is collected for medicinal purposes in North Africa (Hutson *et al.*, 2008k; IUCN, 2009).

The species's small distribution range, cave or tree roosting, and aerial hawking feeding style are considered to be the most important risk factors related to climatic change (Sherwin *et al.*, 2012: 174). Bilgin *et al.* (2012: 434) predict that the range retraction for *M. capaccinii* as a result of climatic change may pose severe threats to its survival as this species has the bulk of its range in the Mediterranean region.

CONSERVATION ACTIONS:
Hutson *et al.* (2008k) [in IUCN (2009)] report that it is protected by national legislation in most range states. There are also international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern Convention in the range states where these apply. It is included in Annex II (and IV) of EU Habitats and Species Directive, and hence requires special measures for conservation including designation of Special Areas for Conservation. Some habitat protection through Natura 2000. In Spain, fences are in place to protect several known colonies. Measures needed include protection of colonies (these measures should avoid the blocking of any cave entrances with gates and control of tourist access) and improvement of water quality.

GENERAL DISTRIBUTION:
Myotis capaccinii is sparsely distributed from eastern Iberia, Spain through the northern Mediterranean to coastal Asia Minor and Israel, Lebanon and Jordan, and also in Mesopotamia from Turkey to Iran and in north-west Africa (limited to the Mediterranean fringe of western Maghreb: north Morocco and northwest Algeria). It occurs from sea level to 900 m.
Bilgin *et al.* (2012) examined climate change scenarios within the Asia Minor and Levant region, they predict that *M. capaccinii* will have a range contraction, which may pose severe threats to their survival of this species.

Native: Albania; Algeria (Kowalski and Rzebik-Kowalska, 1991: 91); Andorra; Austria; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus (Benda *et al.*, 2007: 71); France [Corse]; Greece [Kriti]; Holy See [Vatican City State]; Iran, Islamic Republic of; Iraq; Israel; Italy [Sardegna, Sicilia]; Jordan; Lebanon; Macedonia, the former Yugoslav Republic of; Montenegro; Morocco (Aulagnier and Thevenot, 1986: 44); Romania; Russian Federation; Serbia; Slovenia; Spain [Baleares]; Syrian Arab Republic; Tunisia; Turkey; Uzbekistan.
Regionally extinct: Switzerland.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Almenar *et al.* (2006: 158) indicate that the large hind feet and pointed wings of this species are well suited for capturing prey while trawling through the water surface.

DETAILED MORPHOLOGY:
In their study on take-off performance, Gardiner *et al.* (2014: 1059) determined a wing beat frequency of 12.96 ± 0.18 Hz.

FUNCTIONAL MORPHOLOGY:
Gardiner and Nudds (2011: 2187), in their study of flight-initiating jumps, found that *M. capaccinii* did not show a reduced jumping performance, which could have been expected due to the large feet, which leads to extra weight at the extremities.

ECHOLOCATION:
Highly variable depending on activity and habitat; these data refer to cruising calls in the main habitat. Search-phase call-shape (while hunting above water surface): hyperbolic FM. Start-frequency: 43 kHz; end-frequency: 22 kHz; frequencies with maximum energy: 28 - 35 kHz; call-duration: 6 - 9 msec, inter-call interval: 145 - 165 msec (Barataud, 2002, 2005).

The data for 56 animals from Greece were the following: F_{start}: 89.7 ± 7.35 kHz, F_{end}: 35.1 ± 2.18 kHz, F_{peak}: 48.9 ± 4.76 kHz, bandwidth: 14.2 ± 9.93 kHz, duration 4.6 ± 0.77 msec and interpulse interval: 75.4 ± 22.97 msec (Papadatou *et al.*, 2008b: 132).
Walters *et al.* (2012: suppl.) report the next figures for 30 calls of bats from France and Italy: duration: 3.62 ± 1.40 msec, F_{max}: 73.51 ± 9.28 kHz, F_{min}: 36.6 ± 3.18 kHz, bandwidth: 36.91 ± 10.73 kHz,

F_{peak}: 52.2 ± 6.93 kHz.
The following data for 20 calls from Iran were reported by Benda *et al.* (2012a: 182): F_{start}: 66.0 ± 12.3 (53.1 - 87.1) kHz, F_{end}: 48.9 ± 2.0 (46.6 - 52.6) kHz, F_{peak}: 52.9 ± 1.9 (49.9 - 55.3) kHz, duration: 5.3 ± 0.7 (3.9 - 6.3) msec, and interpulse interval: 49.1 ± 20.4 (19.4 - 84.4) msec.

Aizpurua *et al.* (2013: 4) indicate that *M. capaccinii* is able to regulate the temporal component of the echolocation call so that they can modify their capturing technique depending on whether they are hunting for aquatic arthropods or fish.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Capanna *et al.* (1968) and Rushton (1970: 463) reported 2*n* = 44, aFN = 50, X = metacentric, Y = acrocentric for specimens from Italy, while Pérez-Suárez *et al.* (1991) reported 2*n* = 44, aFN = 52, X = submetacentric, Y = acrocentric for specimens from Spain.
From Italy, Capanna and Manfredi Romanini (1971: 474) mention 2*n* = 44, aFN =60, 3 metacentric pairs of chromosomes, 1 submetacentric and 17 acrocentric; with the X chromosome being metacentric and the Y chromosome acrocentric.

Karaman *et al.* (2017: 119) indicate that the ddRAD and mtDNA structure suggests that three lineages in the Mediterranean area could be considered different species, but this needs to be investigated further.

Protein / allozyme - Unknown.

HABITAT:
In the eastern Iberian peninsula, Almenar *et al.* (2006: 157) report that *M. capaccinii* only used aquatic habitats as foraging sites, and that most of their foraging activity was on rivers.
M. capaccinii preferentially used river stretches characterised by an open course and smooth water surfaces (Almenar *et al.*, 2012). They shifted foraging stretches seasonally, likely following the spatiotemporal dynamics of prey production over the watershed (Almenar *et al.*, 2012).

HABITS:
Aihartza *et al.* (2008: 287) describe the fishing behaviour of *M. capaccinii* as observed in a flight tent containing an artificial pool. They distinguished two patterns: "A) long series of circular flights, skimming along the water and dipping in softly twice or three times in each roundabout; B) long figure-eight loops with bats flying faster and higher, swooping down on the centre of the pond, where they snapped their hind feet hard into the water." They also suggest (p. 297) that the bats detect the presence of fish by touching them when they dip their feet into the water.

ROOST:
Within the Iberian Peninsula, within the lower basin of the Xúquer River, Almenar *et al.* (2012) reported a main roost within a limestone cave with a variable colony size through the season: 81 *M. capaccinii* during pre-breeding, 219 during lactation and 113 during weaning of 2004. More than 100 individuals inhabit the second roost during lactation, located 8.4 km from the first. Both roosts are shared with other bat species (*Rhinolophus euryale*, *Rhinolophus mehelyi*, *Myotis blythii*, *Myotis myotis*, *Myotis emarginatus*, *Myotis nattereri* and *Miniopterus schreibersii*) (Almenar *et al.*, 2012).

DIET:
Aihartza *et al.* (2008: 288) indicate that in the Mediterranean arean aquatic arthropods (e.g. Diptera: Culicidae and Chironomidae) form the main prey of this species, supplemented by Trichoptera, Neuroptera, Lepidoptera, Heteroptera and arachnids. But its diet also contains fish.
Although some *M. capaccinii* populations are known to eat fish in the wild Aihartza *et al.*, 2003; Levin *et al.*, 2006; Biscardi *et al.*, 2007), the diet of the surveyed individuals appeared to be exclusively arthropods (Almenar, 2008).
On the Iberian peninsula, Aizpurua *et al.* (2011: 48) examined 2600 guano samples and retrieved 97 otoliths, all from the mosquitofish (*Gambusia holbrooki*) which would have been between 1.5 and 3.6 cm in length (maximum size of fishes: 5 cm in males and 8 cm in females, see Aihartza *et al.*, 2003: 196). They also found that one of the bats was able to eat between 8 and 15 fishes in one or two nights.

POPULATION:
Structure and Density - See Hutson *et al.*, 2008k) [in IUCN (2009)].
Trend - 2008 - Decreasing (Hutson *et al.*, 2008k; IUCN, 2009). *Myotis capaccinii* populations within the Asia Minor and Levant region are predicted to have a declining population trend, under climate change scenarios (Bilgin *et al.*, 2012: 433).

REPRODUCTION AND ONTOGENY:
In Greece, most females were pregnant by the second half of April and had given birth before the end of May. The first flying young were found by the end of June or the beginning of July (Papadatou *et al.*, 2008a 509).

PARASITES:
In Italy, Voyron *et al.* (2011: 193) reported the following fungal entities from carcasses: *Alternaria*

sp., *Candida palmioleophila*, *Chrysosporium/Gymnoascus*, *Cladosporium cladosporioides*, Gimnoascacea, *Verticillium lecanii*, *Trichosporon chiropterorum*, *Mucor hiemalis f. hiemalis*, *Mucor racemosus*.

Ševcík *et al.* (2012: 35) report on the presence of the bat flies *Nycteribia pedicularia* Latreille, 1805, *Nycteribia schmidlii schmidlii* Schiner, 1853, and *Penicillidia dufourii* Westwood, 1835 on bats from Crete and Cyprus. *Nycteribia kolenati* Theodor & Moscona, 1954 and *Phthiridium biarticulatum* Hermann, 1804 were reported for the first time by Haelewaters *et al.* (2017: 1) from bats from Hungary.

In Algeria, Bendjeddou *et al.* (2013: 325) reported two ectoparasites: *Cimex lectularius* (Linnaeus, 1758) (Hemiptera: Cimicidae) and *Rhipicephalus sanguineus* (Latreille, 1806) (Arachnidae: Ixodida: Ixodidae). Bendjeddou *et al.* (2017: 15) added the following species: *Nycteribia (Nycteribia) latreillii* (Leach, 1817) and *Phthiridium biarticulatum* Hermann, 1804 (Nycteribiidae); *Brachytarsina (Brachytarsina) flavipennis* Macquart, 1851 (Streblidae) and *Spinturnix myoti* (Kolenati, 1856) and *Ixodes vespertilionis* Koch, 1844 (Arachnida).

VIRUSES:
Paramyxoviridae
Morbillivirus
This virus was reported from Bulgaria, Germany and Romania by Kohl and Kurth (2014: 3113).

UTILISATION:
The species is collected for medicinal purposes in North Africa (Hutson *et al.*, 2008k; IUCN, 2009).

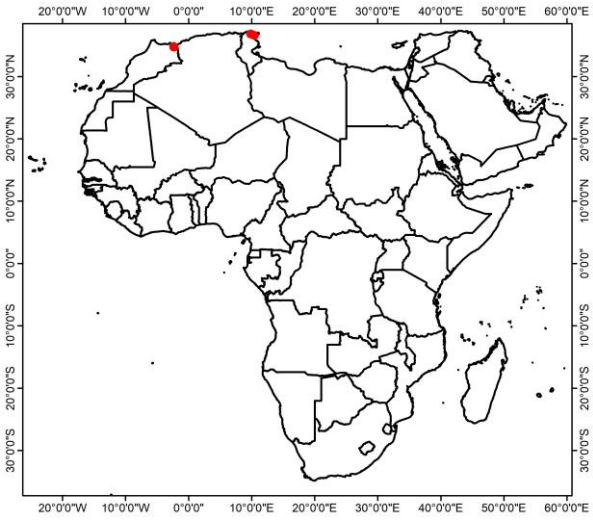

Figure 239. Distribution of *Myotis capaccinii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Morocco, Tunisia.

Myotis dieteri M. Happold, 2005

*2005. *Myotis dieteri* M. Happold, Acta Chiropt., 7 (1): 11, figs 1 - 2. Type locality: Congo: Loudima: Grotte du Viaduc [04 15 S 13 00 E] [Goto Description]. Holotype: MNHN ZM-MO-1985-1925: ad ♀, alcoholic and cranium only (no mandibula). Collected by: Jean-Paul Adam; collection date: between 1961 and 1968. - Etymology: In honour of Dr. Dieter Kock of the Senkenberg Museum, Frankfurt, Germany, in recognition of the great contribution he made to the knowledge of African mammals, in recognition of the kindness and generosity with which he has helped so many others with their studies, and in gratitude for our long firendship (see Happold, 2005: 11). (Current Combination)

TAXONOMY:
Known only from the type specimen (Happold, 2005: 11).

Csorba *et al.* (2014: 668) indicate that *dieteri* is probably the only sub-Saharan *Myotis* that doesn't belong to the subgenus *Chrysopteron*, but molecular data are missing to confirm this.

COMMON NAMES:
Czech: netopýr Kockův. French: Murin de Kock. German: Kocks Mausohr.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) since it has only recently been described, and there is still very little information on its extent of occurrence, status, threats and ecological requirements (Happold, 2008; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Happold, 2008; IUCN, 2009).

MAJOR THREATS:
The threats to this species remain unknown (Happold, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Happold (2008) [in IUCN (2009)] reports that it is not known if the species is present within any protected areas. Additional studies are needed into the distribution, abundance, breeding biology and general ecology of this species. There is a need to determine if the species is still present at Grotte du Viaduc à Loudima, and to locate

additional populations through directed surveys.

GENERAL DISTRIBUTION:
Myotis dieteri has only been recorded from type locality of 'Grotte du Viaduc à Loudima, Republic of Congo (04º15'S, 13º00'E) (Happold, 2005: 11). Despite extensive surveys of other seemingly suitable localities, it has not been recorded from additional caves in the Loudima-Kimongo region, or from caves in the Mayombe and lower Kouilou regions of Congo, the Haut-Ivindo region of Gabon, or Kikwit in the Democratic Republic of Congo (Happold, 2005).

Native: Congo (Happold, 2005: 11; Bates *et al.*, 2013: 337).

POPULATION:
Structure and Density - It is known only from the holotype collected by Jean-Paul Adam sometime between 1961 and 1968, from a small number of this species present in the cave (Happold, 2005). Trend - 2008 - Unknown (Happold, 2008; IUCN, 2009).

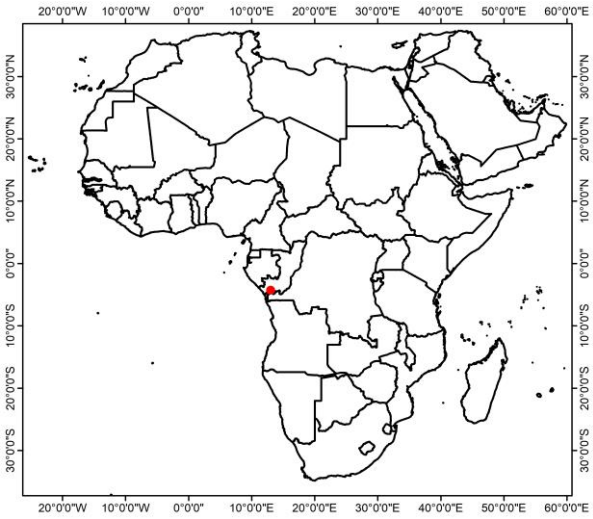

Figure 240. Distribution of *Myotis dieteri*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo.

Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)

*1806. *Vespertilio emarginatus* E. Geoffroy Saint-Hilaire, Ann. Mus. Hist. nat. Paris, 8: 198. Type locality: France: Ardennes: Givet: Charlemont. Holotype: MNHN 819-202: ad, mounted skin (skull not removed). Additional skull A6953: see Rode (1941: 244), who mentions Abbeville as locality, and M. Baillon as collector.
? *Myotis emarginata:* - Comments: corrected gender for specifc name. (Alternate Spelling)
? *Myotis emarginatus emarginatus:* (Name Combination)
? *Myotis emarginatus:* (Name Combination, Current Combination)

TAXONOMY:
Assigned to the subgenus *Isotus* by Pavlinov *et al.* (1995: 97), but Csorba *et al.* (2014: 667) include it in the subgenus *Chrysopteron*.

Woodman (1993) notes that many mammalian generic names ending in *-otis* use the wrong gender for specific names therefore this name should be *M. emarginata*. However, see also Benda and Tsytsulina (2000: 335), and Simmons (2005).

COMMON NAMES:
Albanian: Lakuriq nate i Geoffroy-it. Croatian: Ridi šišmiš. Czech: netopýr brvitý, nedopír wraubkowaný, nedopír brvitý, stejnoušan zejkatý, netopýrec brvitý. Dutch: Ingekorven vleermuis. English: Geoffroy's Bat, Notch-eared Bat, Geoffroy's Myotis. French: Murin à oreilles échancrées, Vespertilion à oreilles échancrées, Vespertilion échancré. German: Wimperfledermaus, Kerbohrige Ohrenfledermaus. Greek: Πυρρομυωτιδα. Hungarian: csonkafülû denevér. Italian: Vespertilio smarginato. Macedonian: Troboen Nokjnik. Norwegian: Geoffroyflaggermus. Polish: nocek orzesiony. Portuguese: Morcego-lanudo. Roman: Vespertil cun tscheglias. Romanian: Liliac-cu-gene-lungi. Russian: Tryokhtsvetnaya nochnitsa. Slovakian: Netopier brvitý. Spanish (Castillian): Murciélago orejirroto, Murciélago de Geoffroy.

CONSERVATION STATUS:
Global - The species experienced a significant decline in at least parts of its range from the 1960s to the 1990s, but now it is expanding in central Europe and is stable or not significantly declining elsewhere. The range is still large and the species is not specialized to restricted habitat, although it has a very specialized diet. Assessed as Least Concern (LC ver 3.1 (2001)) (Hutson *et al.*, 2008m; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Hutson *et al.*, 2008m; IUCN, 2009). 1996 - VU A2c ver 2.3 (1994) (Baillie and Groombridge, 1996).

MAJOR THREATS:
In Europe the species is mainly associated with

agricultural landscapes, therefore all agricultural activities can affect populations of this species. Loss of and disturbance to roost sites in buildings (including remedial timber treatment in attics) and underground sites are also threats. In the African part of the range, cave habitats, where the species roosts, are being destroyed by fires and vandalism. The species is also collected for traditional medicine practices in North Africa (Hutson *et al.*, 2008m; IUCN, 2009).

CONSERVATION ACTIONS:
Hutson *et al.* (2008m) [in IUCN (2009)] report that it is protected by national legislation in most range states. There are also international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern Convention in the range states where these apply. It is included in Annex IV of EU Habitats and Species Directive, and there is some habitat protection through Natura 2000.
Protection of roosts and promotion of awareness about the lack of medicinal value of the species is required.

GENERAL DISTRIBUTION:
Myotis emarginatus occurs in southern Europe from Portugal in the west to the Balkans in the east and southern part of western and central Europe and non-arid parts of southwestern Asia from Asia Minor, Caucasus region and Palestine to Oman, Uzbekistan and Tajikistan; also in north-west Africa (recorded from northern Maghreb (Algeria, Morocco and Tunisia)). In the eastern part of the Mediterranean it occurs in various parts of Turkey, Syria, Lebanon and Israel. It occurs from sea level to 1,800 m, highest records in the Alps are 812 m (maternity colony) and 1,505 m (hibernaculum) (Spitzenberger, 2002).

Native: Afghanistan; Albania; Algeria; Andorra; Armenia; Austria; Azerbaijan; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Czech Republic; France [Corse]; Georgia; Germany; Gibraltar; Greece [Kriti] (Benda *et al.*, 2007: 71); Hungary; Iran, Islamic Republic of; Israel; Italy [Sardegna]; Jordan; Kazakhstan; Kyrgyzstan; Lebanon; Luxembourg; Macedonia, the former Yugoslav Republic of; Monaco; Montenegro; Morocco (El Ibrahimi and Rguibi Idrissi, 2015: 360); Netherlands; Oman; Poland; Portugal; Romania; Russian Federation; San Marino; Saudi Arabia; Serbia; Slovakia; Slovenia; Spain [Baleares]; Switzerland; Syrian Arab Republic; Tajikistan; Tunisia (Dalhoumi *et al.*, 2014: 53); Turkey; Turkmenistan; Ukraine; Uzbekistan.

ECHOLOCATION:
Highly variable depending on activity and habitat; these data refer to cruising calls in the main habitat. Search-phase call-shape (close to foliage): steep linear FM. Start-frequency: 110 kHz; end-frequency: 39 kHz; frequency with maximum energy: 65 kHz; call-duration: 2.6 msec; inter-call interval: 26-32 msec (Barataud, 2005).

The data for 42 animals from Greece were the following: F_{start}: 110.5 ± 10.90 kHz, F_{end}: 42.6 ± 5.57 kHz, F_{peak}: 72.8 ± 7.28 kHz, bandwidth: 43.4 ± 8.29 kHz, duration 3.3 ± 0.73 msec and interpulse interval: 79.4 ± 23.83 msec (Papadatou *et al.*, 2008b: 132).
Walters *et al.* (2012: suppl.) report the following figures for 26 calls (24 sequences) from France and Germany: duration: 2.29 ± 0.70 msec, F_{max}: 93.23 ± 20.18 kHz, F_{min}: 42.00 ± 3.47 kHz, bandwidth: 51.23 ± 17.78 kHz, F_{peak}: 60.23 ± 15.14 kHz.

MOLECULAR BIOLOGY:
DNA - See García-Mudarra *et al.* (2009).

Karyotype - Bovey (1949) and Pérez-Suárez *et al.*, 1991) reported 2*n* = 44, aFN = 50, X = submetacentric, Y = acrocentric, while Radjhabli *et al.* (1970) reported aFN = 56 and Zima (1978) aFN = 52 with X = metacentric. The autosomal component consists of three large metacentric, one small metacentric, 15 acrocentric and two dot-like pairs (with one being bi-armed) (Arslan and Zima, 2014: 10). The latter authors also refer to the X chromosome as being a medium-sized metacentric.

HABITAT:
In Spain, Goiti *et al.* (2011: 19) found that *M. emarginatus* flew on average 5 km to its foraging areas, with a maximum distance of almost 10 km. The foraging area covered between 120 and 371 ha, and consisted mainly of scrubland (35 % of mean individual foraging time) and pine plantations (34 % of mean individual foraging locations), followed by isolated trees (oak, pine, or eucalyptus - on average 11 %), riparian woods (7 %), oak dehesas (6 %), and eucalyptus plantations (5 %).

DIET:
Goiti *et al.* (2011: 20) found that, in Spain, spiders made up the major part of the diet by both volume (mean 79 %) and frequency (in feces of all examined bats, and in 95 % of the feces). The next most important group was formed by moths, with a mean consumption of 7 % of the diet by volume; dipterans (flies and midges - 6.3 %), and lacewings (especially the family Hemerobiidae - 4.4 %). Earwings, harvestmen, wasps, and beetles all made up less than 2 % of the diet.
Benda *et al.* (2012a: 325) summarizes the European food groups as: Araneae, Lepidoptera, brachyceran Diptera, and Lepidoptera larvae. In

the Middle East Diptera, Lepidoptera, Coleoptera, and Homoptera are prevailing in Azerbaijan, Araneae and Brachycera in Syria, and Hemiptera, Araneae, and Brachycera in Turkey. In Iran, there was a high proportion of Tipulidae, and in Jordan of scarabaeid beetles. This lead Benda *et al.* (2012a: 325) to conclude that a certain level of flexibility of the trophic niche in *M. emarginatus*.

POPULATION:
Structure and Density - Locally it can be rare or common. The species experienced a significant decline from the 1960s to the 1990s, but in recent time the numbers in several regions have increased and the species has spread into new areas. It lives in large colonies (up to 1,200 individuals in Austria in one maternity colony) (Hutson *et al.*, 2008m; IUCN, 2009).
Trend - 2008 - Stable (Hutson *et al.*, 2008m; IUCN, 2009). *M. emarginatus* populations within the Asia Minor and Levant region are predicted to have a stable population trend, under climate change scenarios (Bilgin *et al.*, 2012: 433).

PARASITES:
Frank *et al.* (2015: 8) mention the following parasites for European *M. emarginatus*:
Arachnida: *Eyndhovenia euryalis* (G. Canestrini, 1885), *Macronyssus rhinolophi* (Oudemans, 1902), *Steatonyssus periblepharus* Kolenati, 1858, *Spinturnix emarginata* (Kolenati, 1856).

Insecta: *Basilia nana* Theodor & Moscona, 1954, *Basilia italica* Theodor, 1954, *Cimex pipistrelli* Jenyns, 1839, *Ischnopsyllus emarginatus*, *Ischnopsyllus simplex* Rothschild, 1906, *Penicillidia dufourii* (Westwood, 1835), *Phthiridium biarcticulatum*, *Rhinolophopsylla unipectinata* (Taschenberg, 1880).

Trematoda - Digenea: *Lecithodendrium linstowi* Dollfus, 1931, *Prosthodendrium aelleni* Dubois, 1956, *Prosthodendrium chilostomum* (Mehlis, 1831).

Cestoda: *Myotolepis grisea* (Beneden, 1873).

Bendjeddou *et al.* (2017: 15) mention the following parasites from bats from Algeria: Nycteribiidae: *Nycteribia (Nycteribia) latreillii* (Leach, 1817) and *Penicillidia (Penicillidia) dufourii* Westwood, 1835; Arachnida: *Spinturnix myoti* (Kolenati, 1856) and *Ixodes vespertilionis* Koch, 1844.

VIRUSES:
Orthomyxoviridae
Despite sampling and testing of 3 individuals of this species, no evidence of influenza A-like viruses (Orthomyxoviridae) were obtained (Fereidouni *et al.*, 2015).

UTILISATION:
The species is also collected for traditional medicine practices in North Africa (Hutson *et al.*, 2008m; IUCN, 2009).

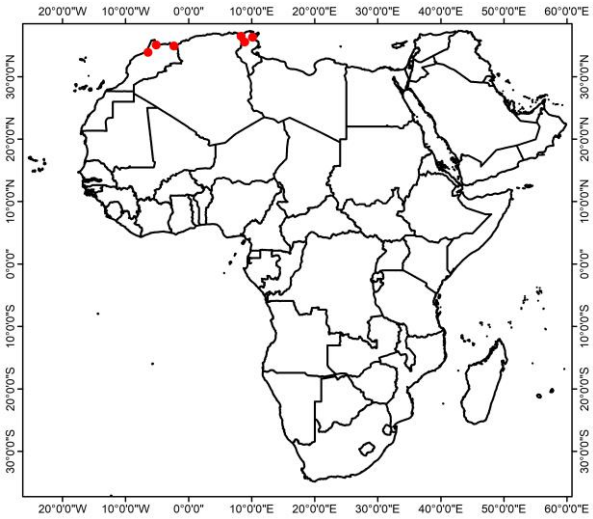

Figure 241. Distribution of *Myotis emarginatus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Algeria, France, Macedonia, Morocco, Tunisia.

Myotis goudoti (A. Smith, 1834)

*1834. *Vespertilio goudoti* A. Smith, S. Afr. Quart. J., ser. 2, 2: 244. Publication date: June 1834. Type locality: Madagascar: "Madagascar" [Goto Description].
1858. *Vespertilio Madagascariensis* Tomes, Proc. zool. Soc. Lond., 1858, XXVI (ccclii): 89. Publication date: 27 April 1858. Type locality: Madagascar: "Madagascar". Holotype: BMNH 1907.1.1.503:.
1870. *Vespertilio sylvicola* A. Grandidier, Rev. Mag. Zool., ser. 2, 22: 49. Publication date: February 1870. Type locality: Madagascar: Ambaravantao forest [Goto Description]. - Comments: The type locality was mentioned as "Forests of Ambaravaranvatou" by Allen (1939a: 91). Dobson (1878: 301, footnote) indicates that the type has been lost and that the description is insufficient. He, therefore, included it with a question mark.
? *Myotis goudoti goudoti:* (Name Combination)
? *Myotis goudoti:* (Name Combination, Current Combination)

TAXONOMY:
Simmons (2005) states that it does not appear to include *anjouanensis*; see Peterson *et al.* (1995).

Csorba *et al.* (2014: 667) include *goudoti* in the subgenus *Chrysopteron*.

COMMON NAMES:
Czech: netopýr madagaskarský. English: Malagasy Mouse-eared Bat. French: Murin de Madagascar, Chauve-souris malgache à oreille de souris, Vespertilion de Madagascar. German: Madagaskar-Mausohr.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Samonds (2007: 60) found samples in deposit (SS2), which was collected from the surface near the main cave entrance, dating attemps revealed this sample was contaminated, therefore no date is known for this locality in Anjohibe cave, Madagascar.

Weyeneth (2010) indicated that, during the Pleistocene, populations of this speciesi diverged into a southern and a northern component, with subsequent expansion and adaptation to all biomes.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) in view of its widespread distribution across Madagascar, and the absence of any major threats. Close monitoring of roosting colonies in areas where the forest is subject to disturbance is needed (Andriafidison *et al.*, 2008h; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Andriafidison *et al.*, 2008h; IUCN, 2009). 1996 - LR/nt ver 2.3 (1994) (Baillie and Groombridge, 1996).

MAJOR THREATS:
There are no known threats to this species although additional research is needed to determine the impact of forest degradation on its persistence in cave roosts (IUCN, 2009; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008h) [in IUCN (2009)] report that this is a widespread species that is found in many of Madagascar's protected areas, including those in the east and west of the island (Goodman, 1999; Russ *et al.*, 2003; Goodman *et al.*, 2005a).

GENERAL DISTRIBUTION:
Myotis goudoti is endemic to the island of Madagascar (Simmons, 2005) where it is widely distributed across a range of different vegetation types (Peterson *et al.*, 1995; Goodman, 1999; Eger and Mitchell, 2003; Russ *et al.*, 2003; Goodman *et al.*, 2005a), including Nosy Be and Nosy Komba (Rakotonandrasana and Goodman, 2007: 6).

Native: Madagascar (Peterson *et al.*, 1995; Goodman, 1999; Eger and Mitchell, 2003; Russ *et al.*, 2003; Goodman *et al.*, 2005a; Rakotonandrasana and Goodman, 2007: 6).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 64) reported the structure as being triangular, and in some cases, with a pronounced proximal indentation; length: 0.87 ± 0.111 (0.68 - 1.02) mm, width: 0.53 ± 0.081 (0.43 - 0.67) mm.

ECHOLOCATION:
Russ *et al.* (2003) describe the echolocation as a single frequency-modulated sweep from 75 kHz to 55 kHz. Kofoky *et al.* (2009: 382) reported the calls of 11 individuals, which were characterized by broadband FM sweeps produced at low duty cycle. The most energy always found in the fundamental at about 64.4 kHz, and the pulses were very short about 3 ms.

MOLECULAR BIOLOGY:
DNA.- Unknown.
Karyotype.- Richards *et al.* (2010) examined one female and one male having a 2*n*=44 and a FNa= 50, a submetacentric X and small acrocentric Y chromosome. In addition, Volleth and Eick (2012: 167) mention a segment number of 22.

HABITAT:
Dammhahn and Goodman (2013: 108) mention the lower portion of forest structure and partially open areas as the foraging habitat for this species.

ROOST:
Wilkinson *et al.* (2012: 160) indicate that caves are the typical roosting sites for these bats on Madagascar.

DIET:
Razakarivony *et al.* (2005) found Araneae in 27 % of stomachs examined. Rakotoarivelo *et al.* (2007) in Madagascar found *M.goudoti* to mainly consumed Hymenoptera, Neuroptera, Araneae and fragments of spiders were present in 55 % of the fecal samples.

Rakotondramanana *et al.* (2015: 78) report the following diet items (volume percent, frequency percent): Coleoptera (34.0, 100.00); Hymenoptera (4.0, 60.0); Lepidoptera (62.0, 100.0). Rasoanoro *et al.* (2015: 64) found the following volume

percentages for two specimens: Aranea (40.7), Coleoptera (43.7), Hymenoptera (8.4), Isoptera (4.6), Lepidoptera (2.5).

PREDATORS:
Goodman *et al.* (2015c: 78) found the remains of one individual in pellets of Bat Hawk *Macheiramphus alcinus* Bonaparte, 1850 in western central Madagascar.

POPULATION:
Structure and Density - Although widespread, there is a paucity of information on the population status of *M. goudoti*. It is frequently trapped in mist nets during bat surveys and appears to be at least locally abundant in west (Kofoky *et al.*, 2007; Rakotoarivelo and Randrianandrianina, 2007), but is more difficult to net, or is less abundant in the east (Russ *et al.*, 2003; Randrianandriananina *et al.*, 2006). There are few data available on roosting colonies but aggregations of up to 1,000 individuals have been recorded.
Trend - 2008 - Unknown (Andriafidison *et al.*, 2008h; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Rakotoarivelo *et al.* (2007) suggest that *M. goudoti* is better adapted to forage in cluttered areas and may have a closer association with forest vegetation. They also suggest that *M. goudoti* may be a gleaner.

PARASITES:
Lagadec *et al.* (2012: 1696), Dietrich *et al.* (2014: Suppl.) and Gomard *et al.* (2016: 5) report the presence of spirochaetes bacteria of the genus *Leptospira*, which are assigned to *L. borghpetersenii* by Dietrich *et al.* (2018a: 3). Lei and Olival (2014: Suppl.) mention *M. goudoti* as host for *Bartonella* bacteria.

Megali *et al.* (2010: 1042) and Duval *et al.* (2012: 1563) reported Genbank data for *Polychromophilus* sp. (Haemosporida) from *M. goudoti*.

Ramasindrazana *et al.* (2016: 6) reported the presence of an unnamed filariod in this bat species.

Ramasindrazana *et al.* (2017: Suppl.) found the bat flies *Nycteribia stylidiopsis* and *Penicillidia* sp. on specimens from this bat species.

VIRUSES:
Astroviridae
Lebarbenchon *et al.* (2017 Suppl.) tested 14 animals and three of them was positive for Astroviruses.

Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 2 individuals from the Madagascar using RT-PCR specific for Respirovirus/Morbillivirus/Henipahvirus (RMH) and Paramyxovirinae (PMV) and found 0 positive results for viral nucleic acids. Wilkinson *et al.* (2014) tested 8 individuals from Anjohikinakia and Bekoaky in Madagascar with an RT-PCR specific for the *Respiro-*, *Morbilli-* and *Henipavirus* genera, two of the 8 individuals tested positive for paramyxovirus RNA.
48 Madagascan *M. goudoti* specimens were tested by Mélade *et al.* (2016b: 4) and five of them were positive for paramyxoviruses.

Rhabdoviridae
Of the 11 bats tested by Mélade *et al.* (2016a: 6), four showed a seroreaction.

UTILISATION:
See Goodman *et al.* (2008d).

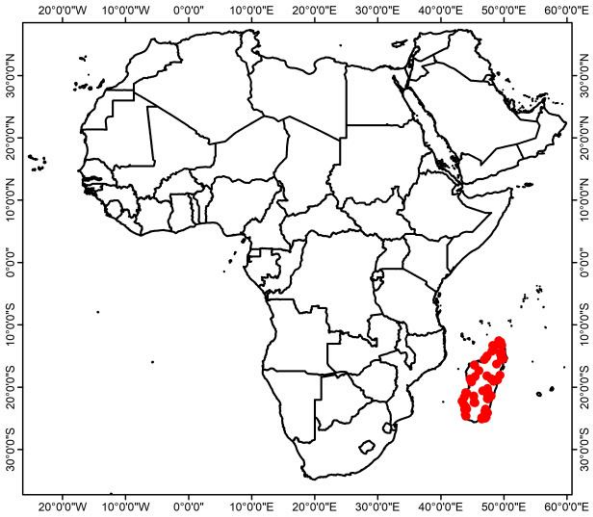

Figure 242. Distribution of *Myotis goudoti*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Madagascar.

Myotis morrisi Hill, 1971

*1971. *Myotis morrisi* Hill, in: Hill and Morris, Bull. Br. Mus. (nat. Hist.) Zool., 21 (2): 43, pl. 1, 2 (a, b). Publication date: 28 April 1971. Type locality: Ethiopia: Walaga, Blue Nile Gorge: Didessa River mouth: "Forward Base Three" [10 05 N 35 38 E, ca. 1 000 m] [Goto Description]. Holotype: BMNH 1970.488: ad ♀, skin and skull. Collected by: The Great Abbai Expedition; collection date: 28 August 1968; original number: A107. (Largen,

Yalden & King). Also see Hill and Morris (1971: 43). - Etymology: In honour of Dr. Pat Morris of Royal Holloway College, University of London, in recognition of his many services to the study of the Ethiopian fauna while with the Great Abbai Expedition (Hill in Hill and Morris, 1971: 44). (Current Combination)

TAXONOMY:
Known only from two specimens (see Stadelmann *et al.*, 2004b: 179).

COMMON NAMES:
Czech: netopýr Morrisův. English: Morris's Mouse-eared Bat, Morris's Bat, Morris's Myotis. French: Murin d'Ethiopie, Vespertilion de Morris. German: Morris' Mausohr.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, threats and conservation status (Jacobs *et al.*, 2008o; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs *et al.*, 2008o; IUCN, 2009). 2004 - VU D2 ver 3.1 (2001) (Jacobs *et al.*, 2004b; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are unclear. It may be threatened by cave disturbance and subsistence harvesting for food (Jacobs *et al.*, 2008o; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008o) [in IUCN (2009)] report that it is not known if the species is present in any protected areas. Further studies are needed into the distribution, abundance, natural history, and threats to this poorly known species.

GENERAL DISTRIBUTION:
Myotis morrisi has only been recorded from two very disjunct sites, the type locality of 'Didessa River mouth, Walaga' in Ethiopia (Hill and Morris, 1971) and from Numan, Adamawa Province, in northeastern Nigeria (Hill *et al.*, 1988).

Native: Ethiopia (Hill and Morris, 1971); Nigeria (Hill *et al.*, 1988).

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Jacobs *et al.*, 2008o; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008o; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia, Nigeria.

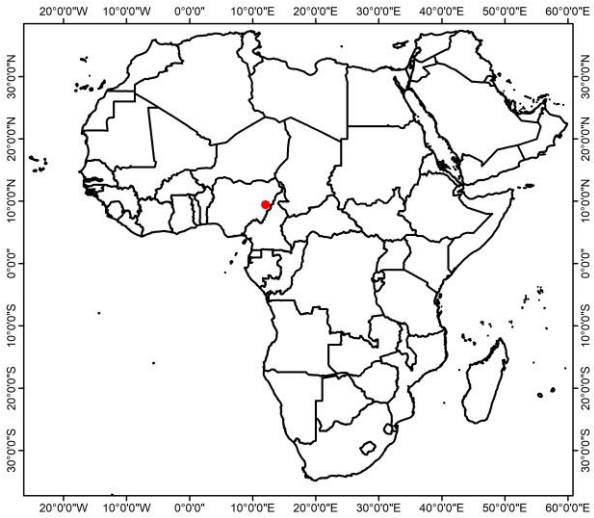

Figure 243. Distribution of *Myotis morrisi*

Myotis mystacinus (Kuhl, 1817)

*1817. *Vespertilio mystacinus* Kuhl, Die Deutsche Fledermäuse, 7, 58. Type locality: Germany. Syntype: ZMB 461: ♂, skin and skull. Unknown locality, presumably coll. Kuhl, purchased from Kuhl, 09.1818.: see Turni and Kock (2008: 60).
? *Myotis mystacinus:* (Name Combination, Current Combination)

TAXONOMY:
Despite the fact that numerous species have been recently recognized within this complex, the whiskered bats from Morocco are still included in the nominal form (von Helversen *et al.*, 2001; Mayer *et al.*, 2007; García-Mudarra *et al.*, 2009).

At present, this species includes three forms differing in morphological traits: *M. mystacinus mystacinus* (most of European range), *M. mystacinus occidentalis* (Iberia and Morocco) and *M. mystacinus caucasicus* (Caucasus region).

COMMON NAMES:
Albanian: Lakuriq nate me mustage. Basque: Saguzar biboteduna. Catalonian (Spain): Rat penat de bigotis. Czech: netopýr vousatý. Danish: Skæægflagermus. Dutch: Baardvleermuis, Gewone pisang blad vleermuis. English: Whiskered Mouse-eared Bat, Whiskered Bat, Whiskered Myotis, Mouse-eared bat. Estonian: Habelendlane. French: Murin à moustaches, Vespertilion à moustaches. Gallician (Spain): Morcego de bigotes. German: Bartfledermaus, Kleine Bartfledermaus. Greek: Μουστακονυχερίδα. Hungarian: bajuszos denevér, Nycteris i mystakophoros. Indonesian: Kelelewar myotis pucuk. Italian: Vespertilio mustacchino. Macedonian: Mustakjest Nokjnik. Norwegian: Skjeggflaggermus. Portuguese: Morcego-de-bigodes. Roman: Vespertil pitschen dal barbis. Romanian: Liliac-cu-mustăbi. Slovakian: Netopier fúzatý. Slovenian: brkati netopir. Spanish (Castillian): Murciélago bigotudo. Swedish: Mustaschfladdermus. Ukrainian: Нічниця вусата.

CONSERVATION STATUS:
Global - *Myotis mystacinus* has a large population size and a wide distribution. No declines in population size have been detected, and there are no known widespread major threats. Assessed as Least Concern (LC ver 3.1 (2001)) (Hutson *et al.*, 2008r; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Hutson *et al.*, 2008r; IUCN, 2009).

MAJOR THREATS:
There are no major threats to this species overall, but the species is affected by loss of woodland and other aspects of land management and development. It is also affected by loss of and damage to roost sites in trees, buildings and underground habitats. In the African part of the species' range, cave habitats where the species roosts are being destroyed by fires and vandalism. This species is also collected for medicine, but not at a level that constitutes a threat to the species (Hutson *et al.*, 2008r; IUCN, 2009).

CONSERVATION ACTIONS:
Hutson *et al.* (2008r) [in IUCN (2009)] report that it is protected by national legislation in most range states. There are also international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern Convention. It is included in Annex IV of EU Habitats and Species Directive, and there is some habitat protection through Natura 2000. It occurs in protected areas throughout its range. Protection of cave roost sites is required.

GENERAL DISTRIBUTION:
Myotis mystacinus is a western Palaearctic species, occurring in western and central Europe, southern parts of Scandinavia, the British Isles, Morocco, northern parts of eastern Europe, western parts of the Caucasus and the Urals. The occurrence in southeast Europe is questionable but likely. It is marginal in Africa, restricted to Moroccan mountains from the Rif in the north to the southern slope of High Atlas in the south. It has been recorded from sea level up to 1,920 m asl (Gerell, 1999).

Native: Andorra; Armenia; Austria; Azerbaijan; Belgium; Bosnia and Herzegovina; Bulgaria; China; Croatia; Czech Republic; Denmark; Estonia; Finland; France [Corse]; Georgia; Germany; Greece [Kriti]; Hungary; Ireland; Italy; Latvia; Liechtenstein; Lithuania; Luxembourg; Macedonia, the former Yugoslav Republic of; Montenegro; Morocco (Benda *et al.*, 2004d; El Ibrahimi and Rguibi Idrissi, 2015: 360); Netherlands; Norway; Poland; Romania; Russian Federation; Serbia; Slovakia; Slovenia; Spain; Sweden; Switzerland; Turkey; Ukraine; United Kingdom.
Regionally extinct: Portugal.
Presence uncertain: Albania; Lebanon.

ECHOLOCATION:
Papadatou *et al.* (2008b: 132) report the following data for 1 Greek specimen belonging to *M. mustacinus bulgaricus*: F_{start}: 104.0 kHz, F_{end}: 33.6 kHz, F_{peak}: 47.7 kHz, bandwidth: 9.1 kHz, duration 3.8 msec and interpulse interval: 72.7 msec.
Data for 51 calls from France, Greece, Switzerland, and the UK, presented by Walters *et al.* (2012: suppl.) include: duration: 2.36 ± 0.59 msec, F_{max}: 84.76 ± 14.10 kHz, F_{min}: 37.04 ± 3.24 kHz, bandwidth: 47.72 ± 14.14 kHz, F_{peak}: 51.55 ± 7.70 kHz.

MOLECULAR BIOLOGY:
DNA - See von Helversen *et al.* (2001), Mayer *et al.* (2007), García-Mudarra *et al.* (2009).

Karyotype - Bovey (1949) reported a 2*n* = 44, aFN = 50, X = metacentric, Y = acrocentric, while Zima (1978) found aFN = 52. Arslan and Zima (2014: 9) added an FN of 54 and that the autosomal component consists of three large metacentric, one small metacentric, 15 acrocentric and two dot-like pairs.

POPULATION:
Structure and Trend - In Europe, it is one of the more common species within the regular distribution area. It is very rare in North Africa, with only 25 specimens in 4 locations (Hutson *et al.*,

2008r; IUCN, 2009).
Trend - 2008 - Unknown (Hutson *et al.*, 2008r; IUCN, 2009).

PARASITES:
In Europe, Genov *et al.* (1992) reported the presence of the following Nematodes: *Molinostrongylus alatus* (Ortlepp, 1932), *M. skrjabini* Skarbilovitch, 1934, *M. spasskii* Andrejko, Pinchuk and Skvorzov, 1968, and *M. vespertilionis* Morosov and Spassky, 1961.

Frank *et al.* (2015: 8) provide the following overview for parasites in European *M. mystacinus*: Arachnida: *Argas vespertilionis* (Latreille, 1796, *Ixodes* sp., *Ixodes vespertilionis* Koch, 1844, *Macronyssus ellipticus* (Kolenati, 1857), *Macronyssus flavus* (Kolenati, 1856), *Spinturnix kolenatii* Oudemans, 1910, *Spinturnix myoti* (Kolenati, 1856), *Spinturnix mystacinus* (Kolenati, 1857), *Steatonyssus periblepharus* Kolenati, 1858, *Steatonyssus spinosus* Wilmann, 1936.

Insecta: *Basilia nana* Theodor & Moscona, 1954, *Basilia nattereri* Kolenati, 1857, *Basilia italica* Theodor, 1954, *Cimex pipistrelli* (Jenyns, 1839), *Ischnopsyllus hexactenus* (Kolenati, 1856), *Ischnopsyllus mysticus* Jordan, 1942, *Ischnopsyllus octactenus* (Kolenati, 1856), *Ischnopsyllus simplex* Rotschild, 1906, *Ischnopsyllus variabilis* (Wagner, 1898), *Myodopsylla trisellis* Jorda, 1929, *Nycteribia kolenatii* Theodor and Moscona, 1954, *Nycteribia pedicularia* Latreille, 1805, *Nycteridopsylla longiceps* Rotschild, 1908, *Nycteridopsylla pentactena* (Kolenati, 1856).

Trematoda - Digenea: *Lecithodendrium linstowi* Dollfus, 1931, *Plagiorchis vespertilionis* (Muller, 1784), *Prosthodendrium chilostomum* (Mehlis, 1831).

Nematoda: *Molinostrongylus alatus* (Ortlepp, 1932), *Molinostrongylus spasskii* Andrejko, Pintschuk and Skvorzov, 1968, *Molinostrongylus vespertilionis* Morosov and Spassky, 1961.

Cestoda: *Vampirolepis balsaci* (Joyeux and Baer, 1934).

VIRUSES:
Orthomyxoviridae
Despite sampling and testing of 44 individuals of this species, no evidence of influenza A-like viruses (*Orthomyxoviridae*) were obtained (Fereidouni *et al.*, 2015).

UTILISATION:
Species are also collected for medicine, but not at a level that constitutes a threat to the species (Hutson *et al.*, 2008r; IUCN, 2009).

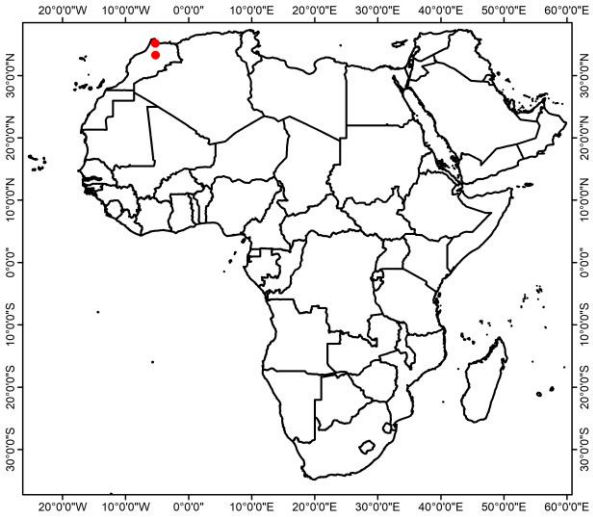

Figure 244. Distribution of *Myotis mystacinus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Morocco.

Myotis punicus Felten, 1977

1875. *Vespertilio murinus africanus* Dobson, Ann. Mag. nat. Hist., ser. 4, 16 (94): 260. Publication date: 1 October 1875. Type locality: Gabon: "Gaboon". Holotype: BMNH 1873.4.16.5. - Comments: The type locality was originally mentioned as 'Gaboon', but the specimen is more probably from Kashmir, see Blanford (1888-91) and Hayman and Hill (1971: 35) (in Corbet and Hill, 1992: 120). However, see also Grubb (2004: 92); who indicates that Gabon might not be rejected.

*1977. *Myotis blythii punicus* Felten, in: Felten, Spitzenberger and Storch, Senckenb. biol., 58 (1/2): 39. Publication date: 22 August 1977. Type locality: Tunisia: Cap Bon: El Haouaria cave [37 03 N 11 01 E] [Goto Description]. Holotype: SMF 44104: ad ♂, skull and alcoholic. Collected by: Nagel, Schubert and Indulis Evalds Vesmanis; collection date: 25 March 1971. See Felten *et al.* (1977: 39). Paratype: SMF 18946: ♂, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18947: ♂, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18948: ♂, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18949: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18950: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18951: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18952:

♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18955: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18956: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18957: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18958: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18959: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18960: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18961: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18962: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18963: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 18964: ♀, skull and alcoholic. Collection date: 15 May 1960. Paratype: SMF 22214: ♂, skull and alcoholic. Collection date: 12 March 1963. Paratype: SMF 22217: ♀, skull and alcoholic. Collection date: 12 March 1963. Paratype: SMF 22218: ♀, skull and alcoholic. Collection date: 12 March 1963. Paratype: SMF 22219: ♀, skull and alcoholic. Collection date: 12 March 1963. Paratype: SMF 22220: ♀, skull and alcoholic. Collection date: 12 March 1963. Paratype: SMF 43386: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 43387: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 43388: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 43389: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 43390: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 43392: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 43961: ♀, skull and alcoholic. Collection date: 28 August 1972. Paratype: SMF 43962: ♀, skull and alcoholic. Collection date: 28 August 1972. Paratype: SMF 43963: ♀, skull and alcoholic. Collection date: 28 August 1972. Paratype: SMF 43964: ♀, skull and alcoholic. Collection date: 28 August 1972. Paratype: SMF 43965: ♀, skull and alcoholic. Collection date: 28 August 1972. Paratype: SMF 43966: ♀, skull and alcoholic. Collection date: 28 August 1972. Paratype: SMF 43967: ♀, skull and alcoholic. Collection date: 28 August 1972. Paratype: SMF 43968: ♂, skull and alcoholic. Collection date: 28 August 1972. Paratype: SMF 44097: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 44098: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 44099: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 44100: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 44101: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 44102: ♀, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 44103: ♂, skull and alcoholic. Collection date: 25 March 1971. Paratype: SMF 44618: ♀, skull and alcoholic. Collection date: 25 March 1971.

2000. *Myotis cf. punicus* Castella, Ruedi, Excoffier, Ibanez, Arlettaz and Hausser, Mol. Ecol., 9: 1761.

? *Myotis blythii oxygnathus:*

? *Myotis blythii:*

? *Myotis myotis myotis:*

? *Myotis myotis:*

? *Myotis oxygnathus:*

? *Myotis punicus:* (Name Combination, Current Combination)

TAXONOMY:

Originally described as a subspecies of *M. blythii*, but recently shown to lie outside a clade including *blythii*, *myotis* and *oxygnathus* (Ruedi and Mayer, 2001). Considered a valid species by Castella *et al.* (2000), Dietz and von Helversen (2004: 71), Benda *et al.* (2004d) and Evin *et al.* (2008).

Biollaz *et al.* (2010) suggest that the Corsican and Sardinian populations are currently isolated from the continental gene pool and therefore should be considered as different evolutionary significant units. Baron (2012: 5) found that the population on Malta is a single panmitic unit with an tendency towards becoming isolated mating systems.

COMMON NAMES:

Czech: netopýr punský. Dutch: Fenicische vale vleermuis. English: Maghrebian Mouse-eared Bat, Maghrebian Myotis, Felten's Myotis. French: Murin du Maghreb. German: Maghreb-Mausohr. Italian: Vespertilio maghrebino. Maltese: Farfett il-Lejl Widnet il-Gurdien.

CONSERVATION STATUS:

Global - The species is cave dwelling, only a small number of colonies are known, and these are in tourist areas subject to disturbance. There is evidence of decline in Corsica, and it is assumed that the population trend will be similar on Sardinia as the species faces the same threats there. On Malta, surveys have shown an estimated decline

of 50 % or more in 3 generations, although this is a small part of the overall population and the trend has now stabilised. Given that it is a strict cave dweller, there are probably significant declines in North Africa due to exploitation and cave disturbance. Hence the species is listed as Near Threatened (NT ver 3.1 (2001)) almost meets VU under criteria A4cd (Aulagnier *et al.*, 2008c; IUCN, 2009).

Assessment History -
2008 - NT ver 3.1 (2001) (Aulagnier *et al.*, 2008c; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Aulagnier and Juste, 2004; IUCN, 2004).

MAJOR THREATS:
Human disturbance is a major threat, as colonies are located in tourist areas, in caves that are well known and popular. Changes in land management and agricultural pollution are also threats. In North Africa, the species is collected for traditional medicinal use (Aulagnier *et al.*, 2008c; IUCN, 2009).

The species is a cave or tree rooster, its water stress and long-distance dispersal were found to be the major risk factors related to climatic change (Sherwin *et al.*, 2012: 174).

CONSERVATION ACTIONS:
Aulagnier *et al.* (2008c) [in IUCN (2009)] report that it is protected by national legislation in its European range states. There are also international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern Convention, in parts of its range where these apply. It is included in Annex IV of the EU Habitats and Species Directive, and some habitat protection may be provided through Natura 2000. There is an ongoing project for the conservation of this species. Appropriate conservation measures include fencing cave entrances (but not gating) and obtaining legal protection for the species.
In North Africa further research into population trends, establishment and management of protected areas, education, and implementation of national-scale legislation are needed.
Biollaz *et al.* (2010) suggest that special care is needed for the Sardinian population as an important source of genetic diversity.

GENERAL DISTRIBUTION:
Myotis punicus occurs in North-west Africa (Morocco, Algeria, Tunisia, and to western Libya) and on the Mediterranean islands of Corsica (to France), Sardinia (to Italy), and Malta (including Gozo [Baron and Borg, 2013: 407]).

Native: Algeria; Libyan Arab Jamahiriya; Malta; Morocco (Benda *et al.*, 2004d; 2010a: 157; El Ibrahimi and Rguibi Idrissi, 2015: 361); Tunisia (Dalhoumi *et al.*, 2014: 53; 2016b: 867).

BIOGEOGRAPHY:
Biollaz *et al.* (2010: 8)'s study suggests that the islands (Corsica and Sardinia) were colonized by *M. punicus* in a stepping-stone manner and predates human colonization. Mitochondrial analysis revealed that the insular populations were well differentiated from the mainland, with mean haplotypes and nucleotide diversities decreading from Tunisia to Sardinia, and from Sardinia to Corsica. While a Baysian and ML trees showed that the Corsican haplotypes are nested within the Sardinan ones, suggesting that the Corsica might have been colonized from Sardinia (Biollaz *et al.*, 2010: 8). Compared with the North African populations, the two islands harbour significant lower allelic richness as well as observed and expected heterozygosities, which could reflect recent population crashes or a bottleneck during the colonization of the islands (Biollaz *et al.*, 2010). The Sardinian and Corsican populations were estimated to date back to the early and mid-Pleistocene, respectively (Biollaz *et al.*, 2010). During the glacial episodes that punctuated this period, low sea levels exposed land that was previously underwater. Geographical distances between the islands and the mainland were thus reduced with the emergence of land bridges between some of the islands, favouring island colonization, with the first the colonization of Sardinia from North Africa and then the colonization of Corsica from Sardinia. As the Ice Age ended, sea levels rose and islolated the two islands, explaining the strong reduction of gene flow currently observed (Biollaz *et al.*, 2010).
The large divergence between the Moroccan and Tunisian populations suggest that both populations had been isolated since the Pleistocene (Biollaz *et al.*, 2010), despite current nuclear gene flow, no female exchange seems to have occured since then. The confinement of Moroccan populations in the High Atlas Range and the philopatric behaviour of females could have enhanced the isolation of these populations, explaining the low haplotype diversity (Biollaz *et al.*, 2010). In North Africa, poor nuclear differentiation between colonies associated with a strong mitochondrial differentiation suggested current male-biased dispersal on the continental area.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Dietz and von Helversen (2004) and Baron (2012: 1) mention the following external characters: large size (comparable to *M. myotis*), the wing membrane starting at the base of the toes, a lancet shaped tragus and distinct dorsal (light brown) and ventral (white) fur coloration.

ECHOLOCATION:
Walters *et al.* (2012: suppl.) report the following figures for 26 calls (6 sequences) from French bats: duration: 3.62 ± 0.96 msec, F_{max}: 60.42 ± 15.65 kHz, F_{min}: 27.07 ± 2.26 kHz, bandwidth: 33.35 ± 14.25 kHz, F_{peak}: 35.82 ± 4.21 kHz

For this species, Disca *et al.* (2014: 226) report two call types: A - FM APMF, with the following parameters: F_{start}: 79.2 ± 16.4 kHz, F_{end}: 25.0 ± 2.1 kHz, F_{peak}: 37 ± 7.9 kHz, bandwidth: 54.2 ± 15.5 kHz, duration: 5.5 ± 0.6 msec; B - FM APBF, with the following parameters: F_{start}: 77.3 ± 6.6 kHz, F_{end}: 20.2 ± 1.2 kHz, F_{peak}: 32.0 ± 5.2 kHz, bandwidth: 57.1 ± 7.1 kHz, duration: 8.6 ± 0.6 msec.

MOLECULAR BIOLOGY:
DNA - See Castella *et al.* (2000) and Biollaz *et al.* (2010).
Karyotype - Unknown.

ROOST:
Benda *et al.* (2014c: 38-39) reported that, in Libya, these bats are only found in ruins, which might serve as temporary roosts or perhaps as maternity roost.

DIET:
Ahmim and Moali (2011: 45, 48) found that the diet of *M. punicus* in Algeria consisted of 96.06 % of insects, 2.82 % of chilopods, and 1.12 % of spiders. Among the insects, Diptera (46.32 %), Lepidoptera (20.33 %), and Hemiptera (10.16 %) were found most frequently in the bat's guano.
On Malta, Baron and Borg (2013: 415) report that the major food sources are Orthoptera (65 %), Lepidoptera (20 %), and Coleoptera (15 %), whereas on Corsica, the Orthoptera only account for 36 %.
In Libya, Benda *et al.* (2014c: 44) analyses two groups of pellets. One set (from one individual) contained only large spiders (Aranea), while the other consisted primarily of Coleoptera (Scarabaeidae: Melolonthinae), which were supplemented by solifuges (Solpugida), cockroaches (Blattodea) and small scorpions (Scorpionida).

POPULATION:
Structure and Density - Over 10,000 individuals, found in large colonies (300 - 500 individuals). On Corsica, there are around 4,000 individuals in four colonies. The total population size on Corsica, Sardinia and Malta is estimated at between 7,000 and 9,000 individuals. This is a cave dwelling species, therefore there are few colonies. On Malta, over 50 % of the population was lost between the latter half of the 1980s and the early 1990s. Numbers appear to have stabilised at 400 - 450 individuals (Borg, 2002, J.J. Borg *unpubl. data* [in Aulagnier *et al.* (2008c) in IUCN (2009)]).
Trend - 2008 - Decreasing (Aulagnier *et al.*, 2008c; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
At Sabratha (Libya), Benda *et al.* (2014c: 40) collected a pregnant female on 2 April and a juvenile female on 14 April.

PARASITES:
Bruyndonckx *et al.* (2010) collected *Spinturnix myoti* (Kolenati, 1856) in 11 colonies in North Africa, Corsica and Sardinia.

From Libya, Benda *et al.* (2014c: 44) reported the following ectoparasites:
Nycteribiidae: *Nycteribia vexata* Westwood, 1835, *Nycteribia latreillii* (Leach, 1817),
Spinturnicidae: *Spinturnix myoti* (Kolenati, 1856),
Macronyssidae: *Steatonyssus occidentalis* (Ewing, 1933),
Ischnopsyllidae: *Rhinolophopsylla unipectinata* (Taschenberg, 1880).

From Algeria, Bendjeddou *et al.* (2013: 325) reported the following ectoparasites:
Nycteribiidae: *Penicillidia dufouri* (Westwood, 1825), *Phthiridium biarticulatum* Hermann, 1804,
Spinturnicidae: *Spinturnix myoti* (Kolenati, 1856),
Ixodidae: *Rhipicephalus sanguineus* (Latreille, 1806).
Bendjeddou *et al.* (2016a: 109) added *Ixodes vespertilionis* Koch, 1844.
Bendjeddou *et al.* (2017: 15) mentioned the following species from Algeria: Nycteribiidae: *Nycteribia (Nycteribia) latreillii* (Leach, 1817) and *Phthiridium biarticulatum* Hermann, 1804; Streblidae: *Brachytarsina (Brachytarsina) flavipennis* Macquart, 1851 and Arachnida: *Spinturnix myoti* (Kolenati, 1856) and *Ixodes vespertilionis* Koch, 1844.

Blackwell (1980: 145) and Haelewaters *et al.* (2017: Suppl.) mention the presence of the Nycteribiid bat-fly *Nycteribia vexata* Westwood, 1835 on "*M. oxygnathus*" in Tunisia, which in turn was infected by the fungus *Arthrorhynchus nycteribiae* (Peyritsch) Thaxter.

VIRUSES:
Coronaviridae - Coronaviruses

Alphacoronavirus
Ar Gouilh *et al.* (2018: 92) reported the EPI 9 virus from Tunisia (3 infected out of 8 bats).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Libya, Morocco, Tunisia.

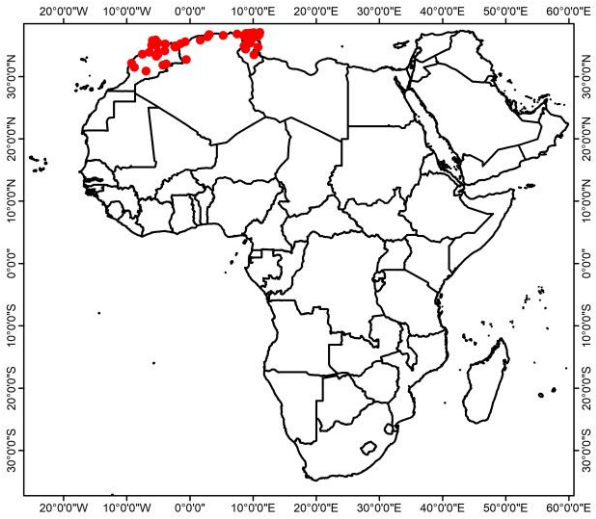

Figure 245. Distribution of *Myotis punicus*

Myotis scotti Thomas, 1927

*1927. *Myotis scotti* Thomas, Ann. Mag. nat. Hist., ser. 9, 19 (113): 554. Publication date: 1 May 1927. Type locality: Ethiopia: Shoa province: ca. 40 mi (64 km) W Addis Ababa: Djem-djem Forest [09 00 N 38 12 E, 8 000 ft]. Holotype: BMNH 1927.3.4.1. Paratype: BMNH 1927.3.4.2. Paratype: BMNH 1927.3.4.3. Paratype: BMNH 1927.3.4.4. Paratype: BMNH 1927.3.4.5. (Current Combination)

TAXONOMY:
See Simmons (2005).

Csorba *et al.* (2014: 667) include *scotti* in the subgenus *Chrysopteron*.

COMMON NAMES:
Czech: netopýr habešský. English: Scott's Mouse-eared Bat, Scott's Mouse-eared Myotis. French: Murin de Scott, Vespertilion de Scott. German: Scotts Mausohr.

CONSERVATION STATUS:
Global - Listed as Vulnerable (VU B2ab(iii) ver 3.1 (2001)) because its area of occupancy is possibly less than 2,000 km^2, its distribution is likely to be severely fragmented, and there is continuing decline in the extent and quality of its forest habitat in Ethiopia (Benda and Lavrenchenko, 2008; IUCN, 2009).
Assessment History -
2008 - VU B2ab(iii) ver 3.1 (2001) (Benda and Lavrenchenko, 2008; IUCN, 2009). 2004 - VU B2ab(iii) ver 3.1 (2001) (Benda and Lavrenchenko, 2004; IUCN, 2004). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
The forest habitat of this species is being impacted through conversion of land to agricultural use and logging (Benda and Lavrenchenko, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Benda and Lavrenchenko (2008) [in IUCN (2009)] report that there appear to be no conservation measures in place, and it is not known if the species is present in any protected areas. There is a need to conserve areas of suitable montane forest habitat for this species. Further studies are needed into the abundance, biology and ecology.

GENERAL DISTRIBUTION:
Myotis scotti is endemic to the highlands of Ethiopia, where it has been recorded from ten localities between 1,300 and 2,500 m asl.

Native: Ethiopia.

POPULATION:
Structure and Density - It appears to be a rare species that is known from only about 20 specimens (Benda and Lavrenchenko, 2008; IUCN, 2009).
Trend - 2008 - Decreasing (Benda and Lavrenchenko, 2008; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia.

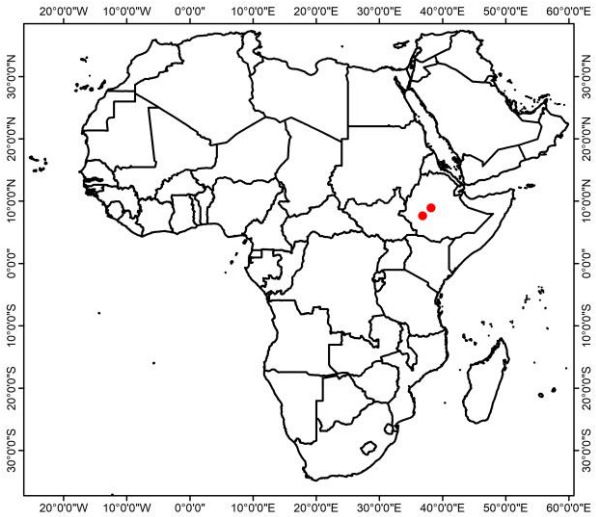

Figure 246. Distribution of *Myotis scotti*

Myotis tricolor (Temminck, 1832)

*1832. *Vespertilio tricolor* Temminck, in: Smuts, Enumer. Mamm. Capensium, 106. Publication date: 1832. Type locality: South Africa: Cape province: Cape Town [33 56 S 18 28 E]. - Comments: Type specimen: RMNH ???.
1924. *Eptesicus loveni* Granvik, Acta Univ. Lund, ser. 2, 21 (3): 12. Publication date: 1924. Type locality: Kenya: E slopes of Mount Elgon [01 07 N 34 35 E, 8 000 ft].
? *Myotis (Selysius) tricolor:* (Name Combination)
? *Myotis tricolor A:*
? *Myotis tricolor:* (Name Combination, Current Combination)

TAXONOMY:

Figure 247. *Myotis tricolor* (TM 48188) caught at the Farm Schaapplaats, Free State, South Africa.

Includes *Eptesicus loveni*, see Aggundey and Schlitter (1986).

Csorba *et al.* (2014: 667) include *tricolor* in the subgenus *Chrysopteron*.

COMMON NAMES:
Afrikaans: Temminck se langhaarvlermuis, Temminck-langhaarvlermuis, Kaapse Langhaarvlermuis. Czech: netopýr trojbarvý. English: Temminck's Mouse-eared Bat, Cape Myotis, Cape Hairy Bat, Tricoloured Mouse-eared Bat, Cape Hairy Myotis, Temminck's Hairy Bat, Three-coloured bat. French: Murin tricolore, Petit murin brun, Murin velu du Cap, Vespertilion d'Angola, Murin d'Angola. German: Dreifarb-Mausohr.

ETYMOLOGY OF COMMON NAME:
The colloquial name is after C.J. Temminck, who was the author of *Monographies de Mammalogie* (1827) (Taylor, 2005).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
This species was represented in the very late Holocene at Border Cave, South Africa (Avery, 1991: 6).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs, 2008e; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs, 2008e; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs, 2004e; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016k). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Jacobs, 2008e; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs (2008e) [in IUCN (2009)] report that it has been recorded from the Virunga National Park in the Democratic Republic of the Congo (Baeten *et al.*, 1984) and in view of its East African range, it seems likely that it is present in additional protected areas. Further studies are needed into the range of this species in West and Central Africa.

GENERAL DISTRIBUTION:
Myotis tricolor has been patchily recorded in sub-Saharan Africa. In West Africa the species has currently only been reported from the northwestern uplands of Liberia (Koopman *et al.*, 1995), while in Central Africa it is known only from a few records in the Democratic Republic of the Congo and Rwanda (Hayman *et al.*, 1966; Baeten *et al.*, 1984). *Myotis tricolor* is much more widely recorded in East Africa, ranging from Ethiopia in the north, through Uganda, Kenya, Tanzania, Malawi, Zambia, Mozambique and Zimbabwe through to southern South Africa.

In the RSA, its distribution is best predicted by geology (Babiker Salata, 2012: 50).

Native: Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 564); Ethiopia; Kenya; Lesotho (Lynch, 1994: 193; Monadjem *et al.*, 2010d: 564); Liberia (Fahr, 2007a: 104); Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 564); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 564; Monadjem *et al.*, 2010c: 384); Rwanda; Saõ Tomé (Rainho *et al.*, 2010a: 31); South Africa (Monadjem *et al.*, 2010d: 564); Swaziland (Monadjem *et al.*, 2010d: 565); Tanzania; Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 565); Zimbabwe (Monadjem *et al.*, 2010d: 565).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Schoeman and Jacobs (2002: 157) mention the following parameters for 1 specimen from the Algeria Forestry Station (RSA): Fa: 46.9 mm, Wing area: 156.6 cm^2, Wing span: 30.6 cm, Wing loading: 6.9 N/m^2, and aspect ratio: 6.0.

DETAILED MORPHOLOGY:
Baculum - Kearney *et al.* (2002).

FUNCTIONAL MORPHOLOGY:
Jordaan and Jacobs (2009: 35) indicate that the wing morphology of *M. tricolor* is intermediate between that of a typical aerial forager, gleaner (takes insects off a substrate) and trawler (takes prey from the water surface).

ECHOLOCATION:
See Taylor (1999b). Rainho *et al.* (2010a: 21) reports the calls of 5 individuals from Saõ Tomé.

From Algeria Forest Station (RSA), Schoeman and Jacobs (2002: 157) reported the type of calls to be low duty echolocation dominated by frequency modulated calls, with a F_{peak}: 50.0 kHz.

Jordaan and Jacobs (2009: 35) found that its echolocation call structure is intermediate between that of typical aerial foragers, gleaners and trawlers.
Schoeman and Waddington (2011: 291) mention a peak frequency of 40.8 kHz and a duration of 4.4 msec for a specimen from Durban, South Africa.

In Waterberg, South Africa and Swaziland, Taylor *et al.* (2013b: 17) recorded 6 calls with the following parameters: F_{max}: 86.1 ± 5.92 (76.6 - 91.9) kHz, F_{min}: 42.7 ± 4.43 (37.1 - 50.0) kHz, F_{knee}: 57.6 ± 7.25 (48.5 - 67.5) kHz, F_{char}: 52.4 ± 6.13 (45.3 - 62.2) kHz, duration: 2.0 ± 0.40 (1.6 - 2.6) msec.
At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 58 (48 - 68) kHz.

From Swaziland, Monadjem *et al.* (2017c: 179) reported F_{min}: 38.0 ± 3.78 (34.2 - 41.7) kHz, F_{knee}: 55.4 ± 10.8 (44.6 - 66.2) kHz, F_c: 49.4 ± 11.4 (38.0 - 60.8) kHz, duration: 2.4 ± 0.33 (2.07 - 2.72) msec. The maximum distance over which they were able to detect the calls was 10 m (mean: 4.6 ± 0.73 m).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 44, FN = 50, BA = 8, a submetacentric X chromosome, and an acrocentric Y chromosome, for specimens from South Africa and Zimbabwe. These results are the same as those obtained for *M. bocagii* specimens from South Africa (Rautenbach *et al.*, 1993).
Protein / allozyme - Unknown.

HABITAT:
Sirami *et al.* (2013: 34) recorded in the Western Cape Province, South Africa that *M. tricolor* activity was not significantly, nor positively influenced by size of wetland, while habitats 100 m surrounding wetlands were also significantly and positively influenced by the water body. *M. tricolor* was

observed near trees and in orchards but also in open habitats surrounding wetlands (Sirami *et al.*, 2013: 35).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 820,776 km^2.

ROOST:
In the Durban area, Taylor *et al.* (1999: 69) reported it roosting in the Shongweni Dam tunnel, with a colony size between 100 and 400. A colony consisting of females only, occupied this tunnel from September to the end of January.

DIET:
From the Algeria Forestry Station (RSA) Schoeman and Jacobs (2002: 157) reported the following prey groups based on 11 faecal pellets from 1 bat (in volume percent): Coleoptera (50), Hemiptera (25), Hymenoptera (25).

PREDATORS:
Avery *et al.* (2005: 1054) found this bat species in pellets from *Tyto alba* in South Africa.

POPULATION:
Structure and Density - This is a common species with colonies often consisting of thousands of animals (Jacobs, 2008e; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs, 2008e; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Bernard (1982b) [in Badwaik and Rasweiler (2000: 276) and Racey and Entwistle (2000: 374)] indicates that females exhibit partial regression of the corpus luteum during pregnancy, and that it has a restricted seasonal monoestry reproduction pattern. Bernard (1982b: 83) also indicated that in Natal copulation occurred in April, and that ovulation and fertilization probably occurred in mid-September, suggesting that sperm storage probably occurred during winter and ovulation was delayed until spring.

Jordaan and Jacobs (2009: 35) found that late pregnancy females forage for longer (307.0 ± 173.5 min) than early pregnant females (147.7 ± 154.5 min) to meet the high energy demands associated with the developping fetus.

PARASITES:
Lutz *et al.* (2016: 9) examined 3 *M. tricolor* specimens from East Africa and found one of them infected with a haemosporidan parasite of the genus *Polychromophilus*.

DIPTERA:
Streblidae: *Raymondia hardyi* Fiedler, 1954 from South Africa (Shapiro *et al.*, 2016: 254).
Nycteribiidae: *Nycteribia capensis* Karaman, 1939 which may be the natural parasite for this species (Haeselbarth *et al.*, 1966: 108). *Nycteribia latiterga* Theodor, 1957 from Mt. Menengai, Kenya (Haeselbarth *et al.*, 1966: 108). *Penicillidia fulvida* (Bigot, 1885) (Haeselbarth *et al.*, 1966: 114).

SIPHONAPTERA
Ischnopsyllidae: *Oxyparius isomalus* (Waterston, 1915) locality not stated (Haeselbarth *et al.*, 1966: 188). *Rhinolophopsylla capensis* Jordan and Rothschild.

VIRUSES:
In their country-wide survey of Kenyan bats, Waruhiu *et al.* (2017) found the following viruses in *Myotis tricolor*: Astroviruses and Polyomaviruses.

Bunyaviridae
Phlebovirus
Rift Valley Fever Virus (RVFV) - Oelofsen and Van der Ryst (1999) tested two individuals from two localities in the Free State Province, South Africa and Lesotho for RVFV antigen using an enzyme linked immunosorbet assay (ELISA), none tested positive.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Rabies - Oelofsen and Smith (1993) tested 10 individual brains, from four localities by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

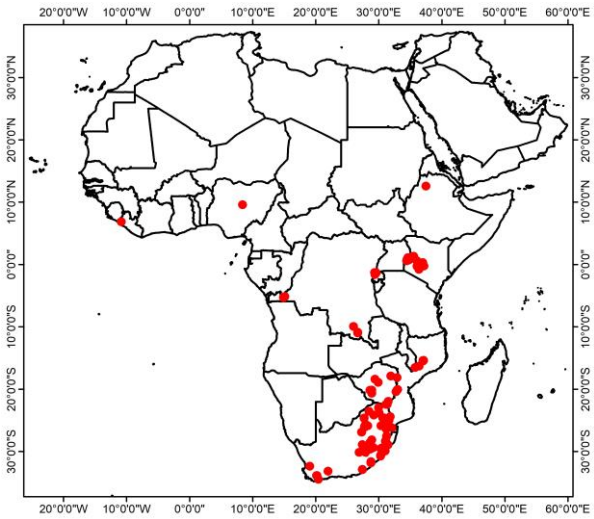

Figure 248. Distribution of *Myotis tricolor*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Ethiopia, Kenya, Lesotho, Liberia, Malawi, Mozambique, Nigeria, Rwanda, South Africa, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe.

Myotis welwitschii (Gray, 1866)

*1866. *Scotophilus welwitschii*Gray, Proc. zool. Soc. Lond., 1866, II: 211, pl. 24. Publication date: September 1866. Type locality: Angola: NE Angola: (probably near Pungo Andongo: see Crawford-Cabral (1989: 17) in Thorn *et al.* (2009: 50)). [Goto Description]. Holotype: BMNH 1866.4.12.2: ♂. Collected by: Dr. F.M. Welwitsch. - Etymology: Named after Welwitsch, an Austrian botanist who made extensive collections in Angola (Taylor, 2005).
1878. *Vespertilio welwitschii:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 306. (Name Combination)
1899. *Vespertilio venustus* Matschie, Sber. Ges. naturf. Freunde Berlin, 74. Publication date: 1899. Type locality: Tanzania: Morogoro district: Ukami Mts., [north slope of Uluguru Mountains]: Kinole [06 50 S 37 42]. Holotype: ZMB 54653: ♂, skin and skull. Vendor: Schlüter; see Turni and Kock (2008: 63).
1922. *Myotis welwitschii:* Kershaw, Ann. Mag. nat. Hist., ser. 9, 10 (56): 181. Publication date: 1 August 1922. (Name Combination, Current Combination)
1951. *Scotophilus welwetschii:* Roberts, Mammals of South Africa, 80. (Lapsus)
1967. *Myotis venustus:* Kock, Senckenb. biol., 48 (5/6): 319. (Name Combination)
2014. *Myotis wilwitschii:* Ndara R., IJISR, 12 (1): 254. Publication date: November 2014. (Lapsus)
2016. *Myotis weltwitschii:* Simmons, Seiffert and Gunnell, Am. Mus. Novit., 3857: 43. Publication date: 9 May 2016. (Lapsus)
? *Myotis (Chrysopteron) welwitschii:* (Name Combination)

TAXONOMY:

Figure 249. *Myotis welwitschii* (TM 47968) caught at Lapalala Wilderness area, Limpopo Province, South Africa.

Myotis welwitschii is monotypic (Kershaw, 1922b: 181; Hayman and Hill, 1971; Findley, 1972; Kock, 1967; Meester *et al.*, 1986; Simmons, 2005).

Csorba *et al.* (2014: 667) include *welwitschii* in the subgenus *Chrysopteron*.

COMMON NAMES:
Afrikaans: Welwitsch se langhaarvlermuis, Welwitsch-langhaarvlermuis. Czech: netopýr Welwitschův, netopýr Welwitschiův. English: Welwitsch's Mouse-eared Bat, Welwitsch's Hairy Bat, Welwitch's Bat, Welwitsch's Myotis. French: Murin de Welwitsch, Myotis de Welwitsch, Vespertilion de Welwitsch. German: Welwitschs Mausohr. Kiluba (DRC): Mulima. Portuguese: Morcego lanudo de weltsch.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
No fossils are known (Ratcliffe, 2002).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008p; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008p; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004d; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016l). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Jacobs *et al.*, 2008p; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008p) [in IUCN (2009)] report that this species has been recorded from the Sengwa Wildlife Research Area and Kruger National Park in South Africa, and seem likely to be present in additional East or southern African protected areas. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Myotis welwitschii has been widely, but patchily,

recorded over much of East Africa and southern Africa, parts of southern Central Africa, and with a single West African locality in southeastern Guinea. In East and southern Africa, it is distributed from Ethiopia and the Sudan in the north, through Kenya, Tanzania and Malawi, to Zambia, Mozambique, Zimbabwe and northeastern South Africa (where its distribution is linked with land use/land cover (Babiker Salata, 2012: 50)). In Central Africa, it is largely confined to southern Democratic Republic of the Congo, northern Angola, Rwanda and Burundi and western Uganda. It has not been recorded from Namibia or Botswana.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 920,261 km^2.

Native: Angola (Hayman, 1963; Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 565); Burundi (Fahr and Ebigbo, 2003: 128); Congo (The Democratic Republic of the) (Fahr and Ebigbo, 2003; Monadjem *et al.*, 2010d: 565); Ethiopia; Guinea (Fahr and Ebigbo, 2003: 128); Kenya; Malawi (Happold *et al.*, 1988; Happold and Happold, 1997b: 819; Fahr and Ebigbo, 2003; Monadjem *et al.*, 2010d: 565); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 565); Rwanda; South Africa (Fahr and Ebigbo, 2003; Monadjem *et al.*, 2010d: 565); Sudan; Tanzania; Uganda (Kityo and Kerbis, 1996: 61); Zambia (Fahr and Ebigbo, 2003; Monadjem *et al.*, 2010d: 565); Zimbabwe (Fahr and Ebigbo, 2003; Monadjem *et al.*, 2010d: 565).

GEOGRAPHIC VARIATION:

Figure 250. *Myotis welwitschii* (TM 47968) - showing wing reticulations.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Ratcliffe (2002).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Ratcliffe (2002).

DETAILED MORPHOLOGY:
Baculum - Unknown
For a description of the skull, teeth, ears and tragus, and wingshape and aspect ratio see Ratcliffe (2002).

ECHOLOCATION:
In Soutpansberg, South Africa, Taylor *et al.* (2013b: 17) recorded 1 call with the following parameters: F_{max}: 73.8 kHz, F_{min}: 33.8 kHz, F_{knee}: 52.9 kHz, F_{char}: 50.3 kHz, duration: 2.1 msec.
Linden *et al.* (2014: 40) reported the following parameters from the Southpansberg range (RSA): F_{min}: 34 kHz, F_{char}:50 kHz, F_{knee}: 53, Slope: 563 OPS, duration: 2.1 msec.

Thiagavel *et al.* (2017: Suppl.) mention a F_{peak} of 32.66 kHz.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 44, FN = 50, BA = 8, and submetacentric X and Y chromosomes, for specimens from South Africa.
Protein / allozyme - Unknown.

HABITAT:
See Ratcliffe (2002).

In southern Africa, it occurs in Savanna (70 %) and Afromontane (20 %) habitats (Cooper-Bohannon *et al.*, 2016: Table S2).

HABITS:
See Ratcliffe (2002).

ROOST:
See Ratcliffe (2002).

POPULATION:
Structure - Considered solitary in its roosting habits (Smithers and Wilson, 1979; Ratcliffe, 2002). However in a single instance two animals were found roosting in the same bush (Smithers and Wilson, 1979).
Density - Unknown, although this species is widespread, it does not appear to be particularly common (Jacobs *et al.*, 2008p; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008p; IUCN, 2009).

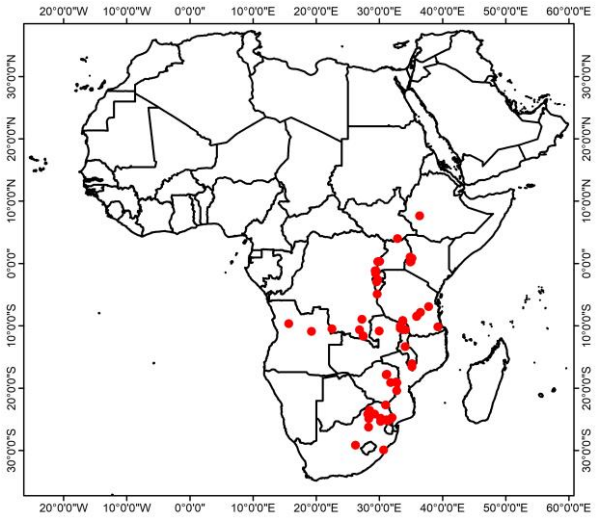

Figure 251. Distribution of *Myotis welwitschii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Burundi, Congo (Democratic Republic of the), Ethiopia, Kenya, Malawi, Rwanda, South Africa, South Sudan, Tanzania, Uganda, Zambia, Zimbabwe.

Subfamily Scotophilinae Van Cakenberghe and Seamark, 2008

1866. *Scotophilina* Gray, Ann. Mag. nat. Hist., er. 3, 17 (98): 90.
1985. *Philisidae* Sigé, Geol. Palaeontol., 19: 161-189. - Comments: Described as a distinct Family level.
2006. *Philisinae* Horácek, Fejfar and Hulva, Lynx, 37: 145. - Comments: Type genus: *Philisis* Sigé, 1985.
*2008. *Scotophilinae* Van Cakenberghe and Seamark, African Chiroptera Report, 238. Publication date: 1 July 2008. - Comments: Type genus: *Scotophilus* Leach, 1821. Following the principle of typification. (Current Combination)

TAXONOMY:
Known genera of the subfamily Scotophilinae: †***Scotophilisis*** Horácek, Fejfar and Hulva 2006; †***Vampyravus*** Schlosser, 1910; ***Scotophilus*** Leach 1821.

COMMON NAMES:
Czech: mračníkové.

†Genus ***Scotophilisis*** Horácek, Fejfar and Hulva, 2006

*2006. *Scotophilisis* Horácek, Fejfar and Hulva, Lynx, n.s.37: 131, 140. - Comments: Type species - *Scotophilisis libycus* Horácek, Fejfar and Hulva, 2006. The publication might date from 2007, since the paper was only received on 8 December 2006. - Etymology: Combination of the extant genus *Scotophilus* Leach, 1821 and a Palaeogene genus *Phylisis* Sigé, 1985, as this new genus is supposedely related to the stem line (Horácek *et al.*, 2006). (Current Combination)
2014. *Scotiphilisis:* Ravel, Adaci, Bensalah, Mahboubi, Mebrouk, Essid, Marzougui, Ammar, Charruault, Lebrun, Tabuce, Vianey-Liaud, and Marivaux, J. Syst. Palaeontol., 13 (8): 694. Publication date: 21 August 2014. (Lapsus)

TAXONOMY:
Known species of the genus *Scotophilisis*: †***libycus*** Horácek, Fejfar and Hulva, 2006.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Time frame - Early Miocene (Burdigalian).

†***Scotophilisis libycus*** Horácek, Fejfar and Hulva, 2006

*2006. *Scotophilisis libycus* Horácek, Fejfar and Hulva, Lynx, n.s. 37: 131, 140, figs. 1 - 3. Type locality: Libya: MS2: Jebel Zelten [28 28 N 20 00 E]. Holotype: NMP NMPC/OF.J.Zel./Chil.:. Right mandible with M_1 and M_2 and alveoli of I_1 to P_4 and M_3. - Comments: Early Miocene, MN4-5. (Current Combination)

Genus ***Scotophilus*** Leach, 1821

*1821. *Scotophilus* Leach, Trans. Linn. Soc. Lond., 13 (1): 69, 71. Publication date: 23 May - 21 June 1821 [Goto Description]. - Comments: Type species: *Scotophilus kuhlii* Leach, 1821 (According to Meester *et al.*, 1986: 59 "=juvenile *Vespertilio temmincki* Horsfield"). - Etymology: From the Greek "*σκόοτος*", meaning "darkness" and "*φίλος*", meaning "loving" (see Palmer, 1904: 627). (Current Combination)

1831. *Pachyotus* Gray, Zool. Misc., 1: 38. Publication date: 1831 [Goto Description]. - Comments: Type species: *Scotophilus kuhlii* Leach, 1821. - Etymology: From the Greek "*παχύς*" meaning thick and "*ούς*" or "*ώτός*", meaning ear (see Palmer, 1904: 495).

1842. *Nicticejus* Rüppell, Mus. Senckenberg., 3 (2): 157, 188. - Comments: Type species: *Nycticejus leucogaster* Cretzschmar, 1826.

TAXONOMY:

Bronner *et al.* (2003) states that the taxonomy of African *Scotophilus* remains problematic. Three species, differing mainly in body size, probably occur in the [southern African] subregion, but species limits and phylogenetic inter-relationships are unclear (Meester *et al.*, 1986). Ellerman *et al.* (1953) referred to the largest species as *gigas*, but Robbins (1978a) showed that in describing *gigas*, Dobson (1875a) had in fact re-described *nigrita*, the name used by Ellerman *et al.* (1953) for the medium-sized species. Koopman (1982) accepted *nigrita* as a senior synonym of *gigas*, but argued that *nigrita* is a *nomen dubium* and should therefore not be used; a position later recanted (Koopman, 1993a, 1994). Since *nigrita* was no longer available for the medium-sized species, Robbins (1978a) used *dinganii* as the next valid name. Koopman (1975, 1978), however, regarded *leucogaster* as a senior synonym of *dinganii*, but later revised this opinion and recognised these as discrete species (Koopman, 1993a). Shortly thereafter he reverted to his earlier treatment and again listed *dinganii* under *leucogaster* (Koopman, 1994).

Ellerman *et al.* (1953) referred to the smallest of the three species in the [southern African] subregion as *viridis*, containing two subspecies (*S. v. viridis* and *S. v. damarensis*), which they recognised as distinct from *borbonicus* on Reunion Island. Hill (1980) regarded these taxa as conspecific and, therefore, used *borbonicus* as the prior name for this taxon. Corbet and Hill (1980) followed Koopman (1975) in confining *borbonicus* to Madagascar and Reunion, and thus once again recognised *viridis* as a mainland species, a treatment followed by Swanepoel *et al.* (1980) and Koopman (1982). Robbins *et al.* (1985) followed suit, but also listed *leucogaster* to accommodate *damarensis*, which they considered distinct from *viridis*, a treatment endorsed by Corbet and Hill (1992). Koopman (1993a) considered *damarensis* synonymous with *viridis*, but subsequently recognised both of these as only subspecies of *borbonicus* (Koopman, 1994).

Vallo *et al.* (2010: 303) indicate that several unrelated mitochondrial lineages occur within *S. dinganii*, but also that the African *Scotophilus* as a whole is in need of more detailed investigation and formal revision of systematics.

Known species of the genus *Scotophilus*: ***andrewreborii*** Brooks and Bickham, 2014; ***borbonicus*** (E. Geoffroy, 1803); *celebensis* Sody, 1928 – Sulawesi (Indonesia) (Simmons, 2005: 465); *collinus* Sody, 1936 – Sabah, western Java, Bali, Lombok, Flores, Lembata, Timor, Semanu and Roti Isls (Indonesia) (Simmons, 2005: 466); ***dinganii*** (A. Smith, 1833); ***Scotophilus ejetai*** Brooks and Bickham, 2014; *heathii* (Horsfield, 1831) – Afghanistan to southern China, including Hainan Isl, south to Sri Lanka, Vietnam, Cambodia, Thailand and Burma (Simmons, 2005: 466); *kuhlii* Leach, 1821 – Bangladesh, Pakistan to Taiwan, south to Sri Lanka, Burma, Cambodia, western Malaysia, Java, Bali, Nusa Tenggara (Indonesia), southeast to Philippines and Aru Isls (Indonesia) (Simmons, 2005: 466); ***leucogaster*** (Cretzschmar, 1830); ***livingstonii*** Brooks and Bickham, 2014; ***marovaza*** Goodman, Ratrimomanarivo and Randrianandrianina, 2006; ***nigrita*** (Schreber, 1774); ***nucella*** Robbins, 1973; ***nux*** Thomas, 1904; ***robustus*** Milne-Edwards, 1881; ***tandrefana*** Goodman, Jenkins and Ratrimomanarivo, 2005; ***trujilloi*** Brooks and Bickham, 2014; ***viridis*** (Peters, 1852).

For a discussion on the names introduced by Brooks and Bickham, see Vallo and Van Cakenberghe (2017: 6).

Prié *et al.* (2016) report on the echolocation characteristics of a "Chiroptera sp. 1" from Réunion, which they believe to be a *Scotophilus*. However, due to the terrible physical status and the taxonomic uncertainty of the *S. borbonicus* specimen(s) collected on the island, they feel it impossible to use the name *borbonicus* for these "Chiroptera sp. 1" specimens. Additional acoustic and distributional information on this species is

provided by Augros (2017).

COMMON NAMES:
Czech: mračníkové, mrakolibové. English: Yellow bats, House bats, Brown bats. French: Scotophiles. German: Hausfledermäuse. Italian: Scotòfili.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003) for a *S. borbonicus* from Kenya.
Karyotype - Volleth *et al.* (2006) reported 2*n* = 36, FN = 50, BA = 18, a submetacentric X and a submetacentric Y chromosome for a male *S. leucogaster* from Burkina Faso. Recently, Eick *et al.* (2007) reported 2*n* = 36, FN = 50, BA = 16, a metacentric X chromosome and an acrocentric Y chromosome for South African specimens of *S. dinganii*.

HABITS:
Foord *et al.* (2018: 5) indicate that clutter-edge bats such as *Scotophilus* spp. may commute up to 3 km between roosts and feeding areas, but generally use a smaller core area.

DIET:
Jacobs (2000: 201) reported the following proportions of prey categories for 32 "*Scotophilus borbonicus*" specimens: Lepidoptera (13.8 ± 23.0), Coleoptera (37.4 ± 38.1), Isoptera (15.8 ± 28.7), Hymenoptera (11.5 ± 26.0), Diptera (7.5 ± 23.1), Hemiptera (13.4 ± 29.8), and unknown (0.6 ± 2.0).

REPRODUCTION AND ONTOGENY:
van der Merwe and Rautenbach (1988: 321) described the placenta of the lesser yellow house bat ("*S. borbonicus*") as antimesometrial discoidal, deciduate and hemodichorial. van der Merwe and Rautenbach (1990: 540) reported that this bat commonly gives birth to twins and occasionally even triplets. van der Merwe *et al.* (1988: 551) found that insemination, ovulation and fertilization take place in autumn. The embryonic growth is soon retarded. but not arrested and the embryo remains in the morula stage for 6 to 8 weeks, followed by a blastocyst stage of about two months.
In the same species, van der Merwe and Rautenbach (1989: 83) found that spermatogenesis was prolonged and extended over 8 months, coinciding with spring, summer and autumn.

The above information might pertain to either *S. leucogaster* or *S. viridis*.

PARASITES:
DIPTERA
Nycteribiidae: *Basilia ansifera* Theodor, 1956 mainly a West African species, reaching Lake Victoria in the east and Lake Nyasa in the south, nearly all localities lie between 15° latitude north and south (Haeselbarth *et al.*, 1966: 110).

SIPHONAPTERA
Ischnopsyllidae: The genus *Scotophilus* was reported by Beaucournu and Kock (1996) as the first African host (in Eritrea) for *C. brockmani* Rothschild, 1915.

VIRUSES:
Togaviridae
Alphavirus
Chikungunyavirus- isolated from Senegal in 1962, from the salivary glands of *Scotophilus* sp. by Bres and Chambon (1963).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Botswana, Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Ghana, Guinea, Kenya, Madagascar, Malawi, Mali, Mozambique, Namibia, Nigeria, Senegal, South Africa, South Sudan, Sudan, Tanzania, Uganda, Zimbabwe.

Scotophilus andrewreborii Brooks and Bickham, 2014

*2014. *Scotophilus andrewreborii* Brooks and Bickham, Occ. Pap. Mus. Texas Tech Univ., 326: 1, 8, fig. 2. Publication date: 26 June 2014. Type locality: Kenya: Nakuru district, 12 km S, 4 km E Nakuru [00 24 S 36 07 E] [Goto Description]. Holotype: CM 98049: ad ♂, skin and skull. Collected by: Dr. Kimberlyn (Kim) Nelson; collection date: 7 October 1985; original number: 217. Muscle tissue sample TK 33143. Paratype: CM 98048: ad ♀, skin and skull. Collected by: Dr. Kimberlyn (Kim) Nelson; collection date: 7 October 1985; original number: 214. Muscle tissue sample TK 33140. Paratype: CM 98050: ad ♂, skin and skull. Collected by: Dr. Kimberlyn (Kim) Nelson; collection date: 8 October 1985; original number: 219. Muscle tissue sample TK 33149. - Etymology: In honor of Andrew N. Rebori (1948 - 2011), who unknowingly touched the lives and inspired many individuals, including many museum professionals. He always maintained a keen interest in animals, especially bats, which exemplified his spirit and attitude toward life, 'Take flight every new

day!' (see Brooks and Bickham, 2014: 8).

TAXONOMY:
Brooks and Bickham (2014) described four new species in the genus *Scotophilus*. However, they did not compare them with a number of already described taxa such as *colias* Thomas, 1904 or *flavigaster* Heuglin, 1861, which make the validity of (some of) these names doubtfull.

COMMON NAMES:
English: Andrew Rebori's House Bat

GENERAL DISTRIBUTION:
Brooks and Bickham (2014: 8) indicate that the type series was collected in two localities in Kenya, and that there are at least five other Kenyan localities where this species occurs.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya.

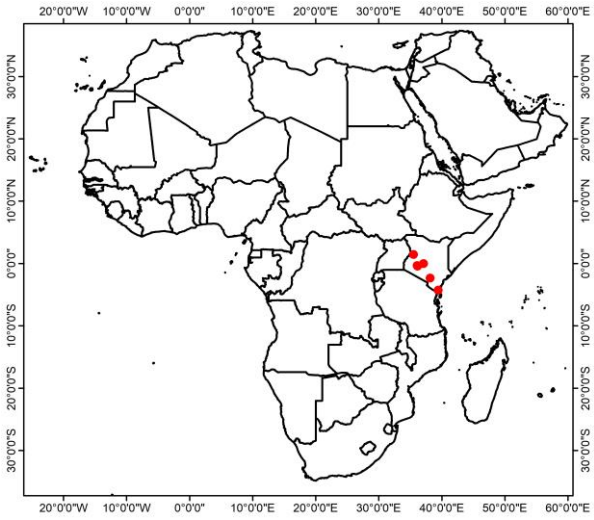

Figure 252. Distribution of *Scotophilus andrewreborii*

Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803)

*1803. *Vespertilio borbonicus* E. Geoffroy Saint-Hilaire, Catalogue des Mammifères du Muséum national d'Histoire naturelle, Paris, 55. Type locality: Réunion: Ile Bourbon [=Réunion Island] [Goto Description]. Lectotype: RMNH MAM.28508: ad ♂, mounted skin (skull not removed). "Individu adulte monté, figuré dans la Mammalogie de Temminck, T.H. Pl. XLVII, fig. 6. Bourbon. Du voyage de M. Macé": see Goodman *et al.* (2005b: 871). - Etymology: Refering to "Ile Bourbon" where the type specimen was collected.
? *Scotophilus borbonicus:* (Name Combination, Current Combination)
? *Scotophilus cf. borbonicus:*

TAXONOMY:
Included equivocally in *leucogaster* by Hayman and Hill (1971: 50 - 51), but see Koopman (1975: 414 - 416). Hill (1980) considered African *viridis* and *damarensis*, and possibly *leucogaster* to be conspecific with *borbonicus*; but Robbins *et al.* (1985) rejected any affinity with African mainland species. Also see comment under *leucogaster* and genus. Koopman (1986) included *viridis*, *damarensis*, and *nigritellus* (but not *leucogaster*) in this species.

The authorship and date of this name was fixed to E. Geoffroy St.-Hilaire (1803) by Opinion 2005 (Case 3022) (see Anonymus, 2002b: 154).

COMMON NAMES:
Czech: mračník réunionský, netopýr zelený. English: Lesser Yellow Bat, Lesser Yellow House Bat, Madagascar Yellow House Bat, Bourbon Bat. French: Scotophile de Bourbon, Scotophile de Madagascar, Petite Chauve-souris jaune des maisons, chauve-souris des Hauts. German: Réunion-Hausfledermaus, Bourbonische Schwirrfledermaus. Portuguese: Morcego amarelo pequeno.

CONSERVATION STATUS:
Global - There have been exhaustive surveys of Réunion (e.g. Moutou, 1982) and this species has not been recorded for nearly 140 years. However, there is not enough information to determine its taxonomic status, as the holotype is badly damaged and other possible specimens cannot be reliably assigned to this species. If the taxonomic status of this species is confirmed, then the species may qualify for a higher threat category and may well be extinct (Andriafidison *et al.*, 2008j; IUCN, 2009).

Jones *et al.* (2009b: 507) assessed its status as Critically endangered - A1c. Conenna *et al.* (2017: Suppl.) assessed it as Data Deficient (DD).

Assessment History -
2008 - DD ver 3.1 (2001) (Andriafidison *et al.*, 2008j; IUCN, 2009). 2004 - CR A1c ver 2.3 (1994) (IUCN, 2004). 2002 - CR: A1c (Mickleburgh *et al.*,

2002a: 22);

MAJOR THREATS:
The threats to this species are not known (Andriafidison *et al.*, 2008j; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008j) [in IUCN (2009)] report that there are no conservation measures in place.

GENERAL DISTRIBUTION:
This holotype was described from two specimens from La Réunion and one of these was designated as the lectotype but is now in very poor condition (Goodman *et al.*, 2005a). In Madagascar, it is known only from a single specimen collected in 1868, at Sarodrano, near Toliara in the south (Goodman *et al.*, 2005a). The identity of the Madagascar specimen cannot be confirmed due to absence of reliable material from La Réunion. The area near Sarodrano has been relatively well surveyed recently, but no new specimens were obtained (Goodman *et al.*, 2005a).

Records from Mauritius (Mascarene Islands) are erroneous, see Cheke and Dahl, 1981: 217, Moutou, 1982: 44).

Native: Madagascar; Réunion.

ECHOLOCATION:
During their field work on Réunion, Barataud and Giosa (2013) captured some echolocation calls of two unidentified bats, which were neither *Mormopterus francoismoutoui* nor *Taphozous mauritianus*. The signals for one of these ("Chiroptera sp1" - QFC = 60 kHz, FM = 61 kHz) were very similar to those of Madagascan and African continental *Scotophilus*, which lead them to hypothesize that "Chiroptera sp1" might possibly be *S. borbonicus*.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003) for the results of a specimen from Kenya (which most probably represents a different species).
Karyotype, Protein / allozyme - Unknown.

POPULATION:
Structure and Density - This species was considered to be relatively common in the early 19th Century on La Réunion; however, it was not recorded in the 20th century or 21st century (Cheke and Dahl, 1981).
Trend - 2008 - Unknown (Andriafidison *et al.*, 2008j; IUCN, 2009).

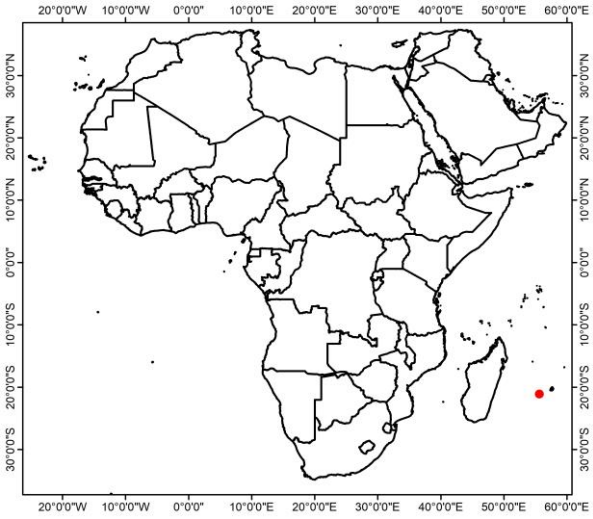

Figure 253. Distribution of *Scotophilus borbonicus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Réunion.

Scotophilus dinganii (A. Smith, 1833)

1832. *Vespertilio epichrysus* Temminck, in: Smuts, Enumer. Mamm. Capensium, 106. Type locality: South Africa: Cape Town [33 56 S 18 28 E]. - Comments: Allen (1939a) and Ellerman *et al.* (1953) regard this taxon as unidentifiable, besides which it appears to fall outside the known range of the species as a whole (see Roberts, 1951: 90); Meester *et al.*, 1986: 60), who include it with a question mark). However, if valid, this is the senior name for the species. Dobson (1878: 303) mentions *Vespertilio epichrysus* (Temminck, Monogr. Mamm., 2: 208) with a question mark in the synonymy of *Vespertilio* [=*Myotis*] *emarginatus*.

*1833. *Vespertilio Dinganii* A. Smith, S. Afr. Quart. J., ser. 2, 1 (2): 59. Publication date: November 1833. Type locality: South Africa: Port Natal [=Durban] & Delagoa Bay [=Maputo], btwn [Goto Description]. - Etymology: In honour of Dingane (or Dingan / Dingaan), king of the Zulus (1795 - 1840) (see Lanza *et al.*, 2015: 487).

1852. *Nycticejus planirostris* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 65, pl; 17, fig. 1, a-e. Publication date: 1852. Type locality: Mozambique: Lower Zambesi River: Tete [16 10 S 33 35 E, 230 m] [Goto Description]. Holotype: ZMB 527: ad ♂, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: March 1845. See Turni and Kock (2008) [=An 16363].

1904. *Scotophilus nigrita colias* Thomas, Ann. Mag. nat. Hist., ser. 7, 13 (75): 207. Publication

date: 1 March 1904. Type locality: Kenya: Fort Hall [=Muranga] [00 43 S 37 09 E] [Goto Description]. Holotype: BMNH 1902.7.6.11: ad ♂. Collected by: Mrs. Hildegarde Hinde; collection date: 25 January 1902; original number: 107. Presented/Donated by: Mrs. Hildegarde Hinde.

1906. *Scotophilus nigrita herero* Thomas, Ann. Mag. nat. Hist., ser. 7, 17 (98): 174. Publication date: 1 February 1906. Type locality: Namibia: Ovamboland: Olifants Vlei [18 00 S 17 30 E] [Goto Description]. Holotype: BMNH 1907.1.1.449: ad ♀, skin and skull. Collected by: Mr. C.J. Andersson; collection date: 8 August 1859; original number: 260. Formerly in Tomes collection. - Comments: Ellerman *et al.* (1953) point out that the type locality is not in Damaraland, as claimed by Thomas for both *herero* and *damarensis*: see Meester *et al.* (1986: 60).

1921. *Scotophilus nigrita dingani:* Kershaw, Durban Mus. Novit., 3 (1): 29. (Name Combination, Alternate Spelling)

1946. *Scotophilus nigrita pondoensis* Roberts, Ann. Transv. Mus., 20 (4): 304. Type locality: South Africa: Transkei, Western Pondoland: Port St.Johns [31 27 S 29 33 E] [Goto Description].

1951. *Vespertilio epichrysurus:* Roberts, Mammals of South Africa, 90. (Lapsus)

1953. *Scotophilus nigrita dingaanii:* Lawrence and Loveridge, Bull. Mus. comp. Zool., 110 (1): 6. (Lapsus)

1958. *Scotophilus nigrita coreas:* Eisentraut, Veröff. Überseemus. Bremen, (A) 3: 23. - Comments: Lapsus for colias (see Kock, 1969a: 193). (Lapsus)

? *Scotophilus cf. dinganii:*

? *Scotophilus dingani:* (Alternate Spelling)

? *Scotophilus dinganii colias:* (Name Combination)

? *Scotophilus dinganii dinganii:* (Name Combination)

? *Scotophilus dinganii herero:* (Name Combination)

? *Scotophilus dinganii:* (Name Combination, Current Combination)

? *Scotophilus nigrita dinganii:* (Name Combination)

? *Scotophilus nigrita nigrita:* (Name Combination)

? *Scotophilus nigrita:*

TAXONOMY:
Placed in *leucogaster* by Koopman (1975: 414 - 416, as *nigrita*; 2004ah: 11) and Koopman *et al.* (1978: 4 - 5); but see also Schlitter *et al.* (1980).

See also the discussion under the genus and under *nigrita* and *leucogaster*.

In their study on Arabian *Scotophilus*, Vallo *et al.* (2011c: 359) tentatively suggest to use the name *S. colias* for the East African yellow-bellied house bat as these bats clearly differ from the typical *S. dinganii* from southern Africa.

Trujillo *et al.* (2009: 554) found several divergent cytochrome *b* lineages in *S. dinganii*, suggesting that cryptic species might be present in different geographic areas southern Africa, eastern Africa, Ghana to Kakamega Forest (Kenya).

COMMON NAMES:
Afrikaans: Geel Dakvlermuis. English: Yellow House Bat, Dingan's Bat, Dingaan's House Bat, Yellow-bellied House Bat, Dingaan's Yellow Bat, African Yellow Bat, African Yellow House Bat. French: Scotophile africain, Chauve-souris jaune des maisons, Scotophile à ventre jaune. German: Gelbbäuchige Hausfledermaus, Natalischen Schwirrfledermaus, Flach-schnauzigen Schwirrfledermaus. Italian: Scotòfilo di Dìngan. Portuguese: Morcego caseiro amarelo.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
This species has been recovered from the upper Pleistocene in South Africa, at Border Cave (Avery, 1991: 6), and Wonderwerk (Avery and Avery, 2011: 19).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Griffin, 2008a; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Griffin, 2008a; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Griffin, 2004b; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016s). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Griffin, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:
Griffin (2008a) [in IUCN (2009)] report that in view of the species wide range it is believed to be present in many protected areas. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Scotophilus dinganii is widely distributed in sub-Saharan Africa. It ranges from Senegal and the Gambia in the west, through West Africa and parts of Central Africa, to Sudan, Eritrea, Djibouti and Ethiopia in the east, from here it ranges south through much of East Africa and southern Africa, being recorded as far south as eastern South Africa, Lesotho and Swaziland. For South Africa, Babiker Salata (2012: 49) found that its distribution is stongly associated with the mean temperature of the coldest quarter.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,251,825 km^2.

Native: Angola (Crawford-Cabral, 1989; Cotterill, 2004a: 262; Monadjem *et al.*, 2010d: 573); Benin (Capo-Chichi *et al.*, 2004: 163); Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 573); Burkina Faso (Kangoyé *et al.*, 2012: 6026; 2015a: 626); Burundi; Cameroon; Central African Republic; Congo (Bates *et al.*, 2013: 337); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Dowsett *et al.*, 1991: 259; Van Cakenberghe *et al.*, 1999; Monadjem *et al.*, 2010d: 573); Côte d'Ivoire; Djibouti (Pearch *et al.*, 2001: 398); Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 131); Gambia; Ghana; Guinea; Guinea-Bissau (Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 71); Kenya; Lesotho; Liberia; Malawi (Ansell and Dowsett, 1988: 38; Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 573); Mali; Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 573; Monadjem *et al.*, 2010c: 384); Namibia (Monadjem *et al.*, 2010d: 573); Nigeria; Rwanda; Senegal; Sierra Leone; Somalia; South Africa (De Graaf, 1960; Monadjem *et al.*, 2010d: 573); Sudan; Swaziland (Monadjem *et al.*, 2010d: 574); Tanzania (Stanley and Goodman, 2011: 45); Togo; Uganda; Yemen (Benda *et al.*, 2011b: 42); Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 574); Zimbabwe (Monadjem *et al.*, 2010d: 574).

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002).

ECHOLOCATION:
See Taylor (1999b) and Taylor *et al.* (2005).

Jacobs *et al.* (2007a) recorded the peak echolocation frequency (33.4 ± 1.4 kHz) for individuals from St. Lucia, KwaZulu Natal, South Africa. Schoeman and Waddington (2011: 291) mention a peak frequency of 33.9 ± 1.1 kHz and a duration of 4.1 ± 0.7 msec for specimens from Durban, South Africa.

Taylor *et al.* (2013b: 17) recorded the following parameters for 7 calls from Soutpansberg, South Africa: F_{max}: 51.6 ± 8.19 (42.1 - 65.2) kHz, F_{min}: 33.1 ± 0.79 (31.6 - 34.1) kHz, F_{knee}: 36.4 ± 1.10 (34.4 - 37.4) kHz, F_{char}: 33.8 ± 1.03 (31.9 - 35.3) kHz, duration: 3.4 ± 0.66 (2.7 - 4.6) msec.
Linden *et al.* (2014: 40) reported the following parameters from the Soutpansberg range (RSA): F_{min}: 32 - 34 kHz, F_{char}: 32 - 35 kHz, F_{knee}: 34 - 37 kHz, Slope: 287 - 588 OPS, duration: 3 - 5 msec.

At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 36 (34 - 37) kHz.

From Maroua, Cameroon, Manga Mongombe (2012: 79) and Bakwo Fils *et al.* (2018: 4) reported for 19 calls a call type of FM/QCF and the following parameters: F_{max}: 58.5 ± 8.9 (49.4 - 84.8) kHz, F_{min}: 52.6 ± 6.2 (46.7 - 69.5) kHz, F_{mean}: 55.6 ± 7.5 (48.1 - 77.0) kHz, F_{knee}: 58.5 ± 8.9 (49.4 - 84.0) kHZ, F_{char}: 52.7 ± 6.2 (46.8 - 69.5) kHz, and duration: 0.88 ± 0.92 (0.73 - 1.02) msec.

Eisenring *et al.* (2016: SI 2) report on two calls from *S. nigrita* from the Aberdares Range in Kenya with the following characteristics: PF: 36.8 ± 3.3 (34.5 - 39.2), HF: 57.3 ± 12.4 (48.5 - 66.1), LF: 29.8 ± 0.4 (29.5 - 30.1), DT: 0.1 ± 0.0 (0.1 - 0.1) DF: 27.5 ± 12.9 (18.4 - 36.6), IPI: 1.1 ± 0.4 (0.9 - 1.4). As they compare their values with those presented by Fenton (1975), Fenton and Bell (1981) and O'Shea and Vaughan (1980), these values are probably also for *S. dinganii*.

From Swaziland, the following parameters were reported by Monadjem *et al.* (2017c: 179): F_{min}: 33.2 ± 1.26 (30.3 - 34.7) kHz, F_{knee}: 36.4 ± 1.61 (32.1 - 38.6) kHz, F_c: 33.7 ± 1.44 (30.3 - 35.6) kHz, and duration: 3.8 ± 0.94 (2.6 - 6.1) msec. The calls were detectable up to a distance of 20 m.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003) for the results of a specimen from Tanzania.
Karyotype - Peterson and Nagorsen (1975), Schlitter *et al.* (1980) and Ruedas *et al.* (1990) all reported 2*n* = 36. However, while Schlitter *et al.*

(1980) reported FN = 52, BA = 18, an acrocentric X chromosome, and a metacentric Y chromosome, Ruedas *et al.* (1990) reported FN = 50, BA = 16, a submetacentric X chromosome, and a telocentric Y chromosome. Eick *et al.* (2007) reported the following autosomal pairs: seven meta- to submetacentric, nine acrocentric, and one subtelocentric. One homologue of the smallest acrocentric pairs showed a small heterochromatic short arm in one specimen, resulting in a subtelocentric state (Eick *et al.*, 2007). The diploid chromosome number (2*n*) is 36, the fundamental number of autosomal arms (Fna) is 50 (Eick *et al.*, 2007). The X chromosome is a medium-sized metacentric and the Y chromosome a small, probably acrocentric, partly heterochromatic chromosome (Eick *et al.*, 2007).
Protein / allozyme - Unknown.

HABITAT:
In southern Africa, this species is found in Savanna habitatas(80 %; Cooper-Bohannon *et al.*, 2016: Table S2).

HABITS:
Scotophilus dinganii is gregarious, roosting in small groups of up to 12 individuals (Skinner and Smithers, 1990).
Thermoregulation - See Jacobs *et al.*, 2007b).

ROOST:
Type - Buildings (Skinner and Smithers, 1990). In KwaZulu Natal, South Africa, Jacobs *et al.* (2007b), found *S. dinganii* roosted in the roofs of buildings in the crevices between the roof (either made of asbestos, clay tiles, or corrugated metal sheets) and the brickwork of the walls. Jacobs *et al.* (2007b) did not find any relationship between aspect and roost selection, or any relationship that the bats preferred roosts which received the direct rays of the afternoon sun. Monadjem *et al.* (2010b: 74) found that they roosted in *Combretum imberbe* trees.
Microclimate - Jacobs *et al.* (2007b) found that the temperature of building roosts appeared to track ambient temperature with a slight lag.

DIET:
On the Umbilo River (KwaZulu Natal, RSA), Naidoo *et al.* (2011: 26) found the diet to contain the following volume percentages during summer: Lepidoptera (17.5 ± 15.9), Coleoptera (81.9 ± 16.6), and Diptera (0.6 ± 1.3). And during winter: Lepidoptera (24.9 ± 12.9), Coleoptera (66.4 ± 21.7), and Diptera (8.9 ± 8.7).

Taylor *et al.* (2017b: 245, 252 - 254) reported the following 23 food items in the Limpopo province (RSA): five insect orders: Lepidoptera (*Toxocampinae tathorhynchus* + *Achrosis* sp. + *Isturgia roraria* + *Sena* sp. + *Sena prompta* + *Cortyta canescens* + *Pandesma robusta* + *Pericyma atrifusa* + *Argyrogrammatini*sp. + *Spodoptera exigua* + *Maurilia arcuata* + unmatched), Orthoptera (Tettigoninae + unmatched), Hemiptera (*Nezera viridula* + *Macrorhaphis acuta* + unmatched), Coleoptera (unmatched) and Blattodea (unmatched).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) and the African harrier-hawk (*Polyboroides typus* Smith, 1829) as diurnal avian predators.

POPULATION:
Strucuture and Density - Little information is available on the population abundance or size of this species (Griffin, 2008a; IUCN, 2009).
Trend - 2008 - Unknown (Griffin, 2008a; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Jacobs *et al.* (2007b) found that bats roost exit times were variable, but most left their roost for the first time on a particular day between 17h15 and 18h00 and returned between 18h45 and 19h15 (remaining out of the roost on avarage for about 1hr).

REPRODUCTION AND ONTOGENY:
van der Merwe *et al.* (2006) reported, from examination of serially sectioned reproductive tracts of females, that *S. dinganii* is monoestrous species and that insemination, ovulation and fertilization take place during mid to late autumn (April to May), Kruger-NP., South Africa. Early embryonic development of normally two embryos (one in each uterine horn) was retarded and implantation delayed until mid-winter (July), when the blastocysts implanted (van der Merwe *et al.*, 2006). van der Merwe (2006) found *S. dinganii* in the Kruger-N.P., South Africa to be seasonally monestrus, carrying a single foetus in each of the two uterine horns of the bicornute uterus. The amnion in *S. dinganii* was a schizamnion, and van der Merwe (2006) deduced that its formation was preceded by cavitation of the inner cell mass, with formation of the definitive amniotic cavity, where the floor of the cavity eventually formed the embryonic disc and its roof the ectodermal part of the true or definitive amnion.

van der Merwe and Rautenbach (1990: 540) reported that *S. dinganii* commonly gives birth to twins and occasionally even triplets.

PARASITES:
BACTERIA
Dietrich *et al.* (2016b: 3) found one out of 12 bats

from Rocktail Bay (RSA) to be positive for *Rickettsia*. Also from the RSA, Dietrich *et al.* (2018a: 4) reported the presence of *Leptospira borgpetersenii*.

Protozoa
Kassahun *et al.* (2015: 168) examined Ethiopian 12 *S. colias* specimens and found one (out of 11 from Metu) infected with *Leishmania* parasites.

HEMIPTERA
Cimicidae: *Cacodmus sparsilis* Rothschild, 1914 was described from one female specimen taken from a *S. dinganii* at Durban, South Africa (Haeselbarth *et al.*, 1966: 10, referred to as *Scotophilus nigrita*). *Stricticimex transverses* Ferris and Usinger, 1957 recorded from Windhoek, Namibia (Haeselbarth *et al.*, 1966: 14).

DIPTERA
Nycteribiidae: *Basilia bouvieri* (Falcoz, 1924) from Tanzania, Sudan, Senegal and Sierra Leone (Haeselbarth *et al.*, 1966: 111), referred to as *Scotophilus nigrita*).

SIPHONAPTERA
Ischnopsyllidae: (*Chiropteropsylla brockmani* Rothschild, 1915 was reported on *Scotophilus dinganii flavigaster* from Eritrea by Beaucournu and Kock (1996).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 to 1999, for antibody to SARS-CoV in sera in five individuals from Limpopo Province, South Africa, none were tested positive (0/5). One out of 14 (7.1 %) Kenyan bats tested by Tao *et al.* (2017: Suppl.) was positive for CoV.

Flaviviridae
Pegivirus (BPgV) - 1 of 2 Kenyan specimens examined by Quan *et al.* (2013: Table S5) (50.0 %) was infected by clade G type *Pegivirus*.

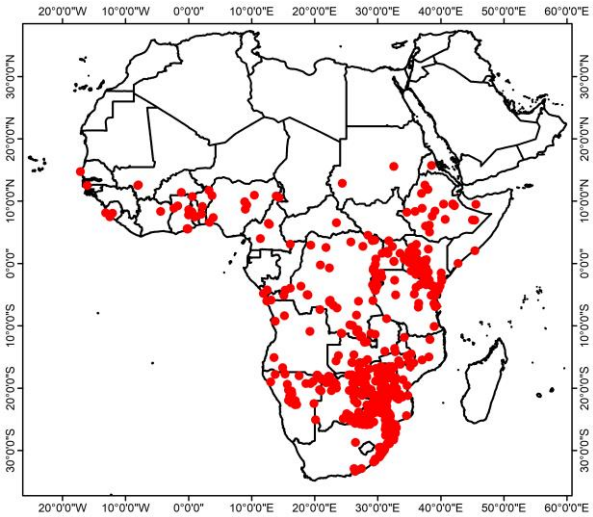

Figure 254. Distribution of *Scotophilus dinganii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Eritrea, Ethiopia, Ghana, Kenya, Malawi, Mali, Mozambique, Namibia, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

Scotophilus ejetai Brooks and Bickham, 2014

*2014. *Scotophilus ejetai* Brooks and Bickham, Occ. Pap. Mus. Texas Tech Univ., 326: 1, 14, fig. 5. Publication date: 26 Jun 2014. Type locality: Ethiopia: Orimaya region: Dogy River Bridge [08 21 43 N 35 53 02 E, 1390 m] [Goto Description]. Holotype: BRTC 57950: ad ♂, skin and skull. Collected by: Dr. Duane Albert Schlitter; collection date: 23 February 2001; original number: 10310. Muscle tissue sample AK 21235. Paratype: BRTC 57954: ad ♀, skin and skull. Collected by: Dr. Duane Albert Schlitter; collection date: 21 February 2001; original number: 10292. Tissue sample AK 21213. Paratype: CM 114043: ad ♀, skin and skull. Collected by: Dr. Duane Albert Schlitter; collection date: 2 April 1995; original number: 9986. Tissue sample SP 13027. - Etymology: In honour of Dr. Gebisa Ejeta, distinguished professor of plant breeding & genetics and international agriculture at Purdue University (see Brooks and Bickham, 2014: 14).

TAXONOMY:
Brooks and Bickham (2014) described four new species in the genus *Scotophilus*. However, they did not compare them with a number of already described taxa such as *colias* Thomas, 1904 or *flavigaster* Heuglin, 1861, which make the validity of (some of) these names doubtfull.

COMMON NAMES:
English: Ejeta's House Bat

GENERAL DISTRIBUTION:
Known from three localities in Ethiopia.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia.

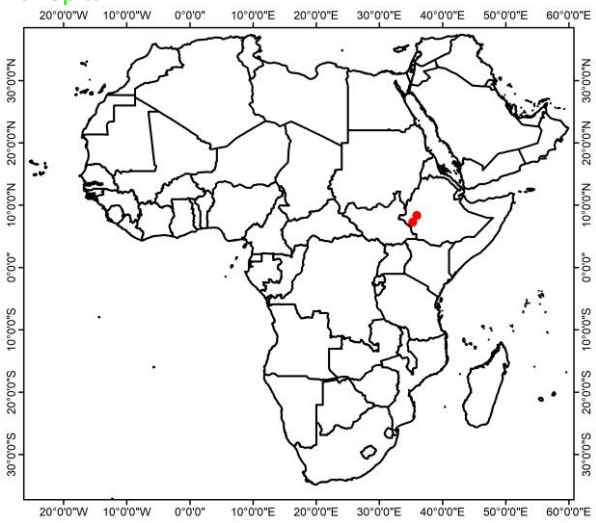

Figure 255. Distribution of *Scotophilus ejetai*

Scotophilus leucogaster (Cretzschmar, 1826)

*1826. *Nycticejus leucogaster*Cretzschmar, in: Rüppell, Atlas Reise Nördlichen Afrika, Zoologie Säugethiere, 1: 71, pl. 28a, 1, 2. Publication date: 1826. Type locality: Sudan: Kordofan province: Brunnen Nedger [=Nedger Wel; Bir Nedger]: [Goto Description]. Holotype: RMNH MAM.27432: ad. Mertens (1925: 22) mentions SMF 4309 (old catalog II.O.1.b, coll. E. Rüppell, 1825) as lectotype). Lectotype: SMF 4309: Collected by: Wilhem Peter Edward Simon Rüppell. Mertens (1925: 22) old catalog II.O.1.b. - Comments: The publication date of Cretzschmar's work is sometimes indicated as "1826" (as mentioned on the title page), but also as "1827", "1828", "1830-1831". - Etymology: From the masculine Greek adjective "*λευκος*" (leukós), meaning "white" and the feminine Greek substantive "*γαστήρ*" (gastér), meaning "stomach", referring to the relatively light belly colour of the type specimen (see Lanza *et al.*, 2015: 487).

1861. *Nycticejus flavigaster* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 29 (8): 5, 14. Publication date: 1861. Type locality: Eritrea: Kérén [ca. 15 45 N 38 20 E] [Goto Description]. Syntype: SMNS 983: ad ♂, skull and alcoholic. Collected by: Martin Theodor von Heuglin; collection date: 1861. see Dieterlen *et al.* (2013: 294). Syntype: SMNS 983a: ad ♀, skull and alcoholic. Collected by: Martin Theodor von Heuglin; collection date: 1861. see Dieterlen *et al.* (2013: 294).

1861. *Nycticejus murino-flavus* Heuglin, Nov. Act. Acad. Cæs. Leop.-Carol., 29 (8): 5, 15. Publication date: 1861. Type locality: Ethiopia: near Massaua [=Massawa]: M'kullu [15 38 N 39 24 E] [Goto Description]. Holotype: [Unknown] ad ♂.

1878. *Scotophilus borbonicus:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 260.

1906. *Scotophilus damarensis* Thomas, Ann. Mag. nat. Hist., ser. 7, 17 (98): 175. Publication date: 1 February 1906. Type locality: Namibia: Ovamboland: Olifants Vlei [18 00 S 17 30 E] [Goto Description]. Holotype: BMNH 1907.1.1.463: ad ♂, skin and skull. Collected by: Mr. C.J. Andersson; collection date: 10 August 1859; original number: 276. Received in the Tomes collection. - Comments: Included in *borbonicus* by Meester *et al.* (1986: 61), in *viridis* by Koopman (1993a: 228), but in *leucogaster* by Simmons (2005).

1914. *Scotophilus altilis* G.M. Allen, Bull. Mus. comp. Zool., 58 (7): 350. Publication date: July 1914. Type locality: Sudan: Blue Nile province: north of [Er] Roseires: Aradeiba [12 25 N 34 20 E]. Holotype: MCZ 14463: ad ♂, skin and skull. Collected by: Glover Morrill Allen and The Phillips Sudan Expedition; collection date: 22 January 1913; original number: 73. See Helgen and McFadden (2001: 147). Paratype: FMNH ad ♂, skin and skull. Exchanged; formerly MCZ (14462); see Helgen and McFadden (2001:147). Paratype: MCZ 14610: ad ♂, alcoholic (skull not removed). Paratype: MCZ 14611: ad ♂, alcoholic (skull not removed). See Helgen and McFadden (2001: 147).

1938. *[Pachyotus] altilis:* Frechkop, Exploration du Parc National Albert, 53.

? *Scotophilus borbonicus damarensis:* (Name Combination)
? *Scotophilus cf. leucogaster:*
? *Scotophilus leucogaster damarensis:* (Name Combination)
? *Scotophilus leucogaster leucogaster:* (Name Combination)
? *Scotophilus leucogaster:* (Name Combination, Current Combination)
? *Scotophilus nigrita leucogaster:* (Name Combination)
? *Scotophilus viridis damarensis:*

TAXONOMY:
Does not include *damarensis*, see Koopman (1986); but see Robbins *et al.* (1985). Herkt *et al.* (2017: Appendix S9) found that *damarenis* occupies a noticeably different ecological niche as compared with the northern populations of *leucogaster*.

Included *nucella*; but see Robbins *et al.* (1985).

For scope of this species see Koopman (1975: 414 - 416); as *nigrita*) and Koopman *et al.* (1978: 4 - 5). However Robbins (1978a: 212 - 213) has shown that the name *nigrita* was misapplied to another species, for which the next available name was *dinganii*, and which would be included in *leucogaster* if Koopman (1975)'s reasoning were followed. However Schlitter *et al.* (1980) listed *dinganii* as distinct from *leucogaster*, as did Robbins *et al.* (1985). See Koopman (1986).

COMMON NAMES:
Czech: mračník bělobřichý, netopýr bělobřichý. English: Lesser Yellow House Bat, White-bellied House Bat, White-bellied Yellow Bat, Cretzschmar's Brown Bat. French: Scotophile à ventre blanc. German: Weißbäuchige Hausfledermaus, Weissbauchige Schwirrfledermaus, Gelbbauchige Schwirrfledermaus, Olivenbraune Schwirrfledermaus. Italian: Scotòfilo panciabianca.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Griffin, 2008b; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Griffin, 2008b; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Griffin, 2004a; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Taylor *et al.*, 2016e).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Griffin, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Griffin (2008b) [in IUCN (2009)] reports that in view of the species wide range it is presumably present in many protected areas. No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Scotophilus leucogaster has been recorded in much of West Africa (including northern parts of Cameroon, Nigeria, Benin, Togo, Ghana, Côte d'Ivoire, Sierra Leone, and Guinea, much of Senegal, Gambia, and Burkina Faso, and southern parts of Mali and Niger). There are isolated records from southwestern Mauritania, as well as western parts of the Central African Republic. The eastern parts of the distribution include records from Sudan, and the northern parts of Uganda and Kenya. Further south this species is found in Mozambique, Angola and Namibia, Zambia, northern Botswana, and northern South Africa.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 426,596 km^2.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 575); Benin (Capo-Chichi *et al.*, 2004: 163); Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 575); Burkina Faso (Kangoyé *et al.*, 2015a: 626); Cameroon; Central African Republic; Chad; Côte d'Ivoire; Ethiopia; Gambia; Ghana; Guinea; Guinea-Bissau (Vaughan *et al.*, 1997b; Robbins *et al.*, 1985; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 70); Kenya; Mali (Meinig, 2000: 105); Mauritania; Mozambique (Monadjem *et al.*, 2010d: 575; Monadjem *et al.*, 2010c: 385); Namibia (Monadjem *et al.*, 2010d: 575); Niger; Nigeria; Senegal; Saudi Arabia; Sierra Leone; South Africa (Monadjem *et al.*, 2010d: 575); Sudan; Togo; Uganda (Kityo and Kerbis, 1996: 62); Yemen; Zambia (Monadjem *et al.*, 2010d: 575); Zimbabwe (Monadjem *et al.*, 2010d: 575).

DETAILED MORPHOLOGY:
Baculum - Unknown
Brain - Amrein *et al.* (2007), from specimens collected from Bénin, reported that proliferating

cells, detected with Ki-67 and MCM2, in the subgranular layer of the dentate gyrus was found to be absent. Amrein *et al.* (2007) also reported moderate to ample proliferating cells (Ki-67 positive cells) and migrating young neurons (DCX positive cells) in the rostral migratory stream. Amrein *et al.* (2007) furthermore detected few DCX positive cells in the rostral migratory stream and the olfactory bulb. Hippocampal granule cells were homogeneously positive for NeuroD (Bigalke, 1968).

SEXUAL DIMORPHISM:
In Burkina Faso, Kangoyé *et al.* (2015a: 626) found the averages of the body measurements (except 3ph2) to be larger in females than in males, but the averages of the cranial measurements were larger in males.

ECHOLOCATION:
12 FM/QCF type calls from Maroua (Cameroon) were reported by Manga Mongombe (2012: 79) and Bakwo Fils *et al.* (2018: 4) with the following parameters: F_{max}: 55.7 ± 4.3 (48.5 - 64.1) kHz, F_{min}: 50.6 ± 3.0 (46.1 - 56.3) kHz, F_{mean}: 53.2 ± 3.6 (47.3 - 59.3) kHz, F_{knee}: 55.7 ± 4.3 (48.5 - 64.1) kHz, F_{char}: 50.7 ± 3.0 (46.1 - 55.0) kHZ, and duration: 0.81 ± 0.23 (0.44 - 1.00) msec.

Thiagavel *et al.* (2017: Suppl.) mention a F_{peak} of 46.27 kHz.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003) for the results of a specimen from Kenya.
Karyotype - See discussion in generic account.
Protein / allozyme - Unknown.

HABITAT:
In southern Africa, it occurs in Savanna (89 %) and SW arid (10 %) habitats (Cooper-Bohannon *et al.*, 2016: Table S2).

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Griffin, 2008b; IUCN, 2009).
Trend - 2008 - Unknown (Griffin, 2008b; IUCN, 2009).

PARASITES:
ACARINA
Dermanyssidae: Zumpt and Till (1954: 50) reported the presence of *Steatonyssus nyassae* (Hirst, 1922) on a "*Scolophilus murinoflavus*" from near Torit, Sudan.

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - In Nigeria during June 2008, Quan *et al.* (2010) screened the gastrointestinal tissue for the presence of coronaviruses by PCRs, none tested positive.

Rhabdoviridae
Lyssavirus - Rabies related viruses
In Nigeria during June 2008, Quan *et al.* (2010) did not detect any lyssavirus-specific antigens from the brains by use of direct fluroescent anitbody testing.

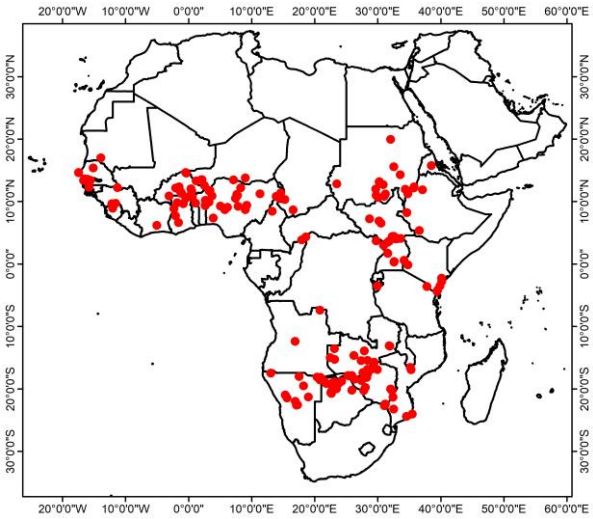

Figure 256. Distribution of *Scotophilus leucogaster*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo (Democratic Republic of the), Côte d'Ivoire, Eritrea, Ethiopia, Ghana, Guinea-Bissau, Kenya, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Senegal, Sierra Leone, South Africa, South Sudan, Sudan, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

Scotophilus livingstonii Brooks and Bickham, 2014

*2014. *Scotophilus livingstonii* Brooks and Bickham, Occ. Pap. Mus. Texas Tech Univ., 326: 1, 11, fig. 4. Publication date: 26 June 2014. Type locality: Kenya: Western province: Kakamega district: Ikuywa River Bridge, 6.5 km S, 19 km E Kakamega [00 13 N 34 55 E] [Goto Description]. Holotype: CM 98051: ad ♂, skin and skull. Collected by: Dr. Duane Albert Schlitter; collection date: 8 November 1985; original number: 7394. Muscle tissue sample TK 33534. Paratype: CM 98053: ad ♀, skin and skull. Collected by: Dr. Duane Albert Schlitter; collection date: 8 November 1985; original number: 7396. Muscle tissue sample TK 33536. Paratype: USNM 412150: ad ♀, skin and skull. Collected by: Bruce

Joliffe Hayward; collection date: 22 July 1967; original number: 4135. Collected at University of Ghana Botanical Garden (5º40'N, 10º12'W [sic]), Legon, Eastern (Greater Accra) Region, Ghana (Brooks and Bickham, 2014: 13). - Etymology: In honour of David Livingstone (1813 - 1873) (see Brooks and Bickham (2014: 13).

TAXONOMY:
Brooks and Bickham (2014) described four new species in the genus *Scotophilus*. However, they did not compare them with a number of already described taxa such as *colias* Thomas, 1904 or *flavigaster* Heuglin, 1861, which make the validity of (some of) these names doubtfull.

COMMON NAMES:
English: Livingstone's House Bat

GENERAL DISTRIBUTION:
This species is known from SW Kenya and SE Ghana, with a gap of about 4,000 km between them.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya.

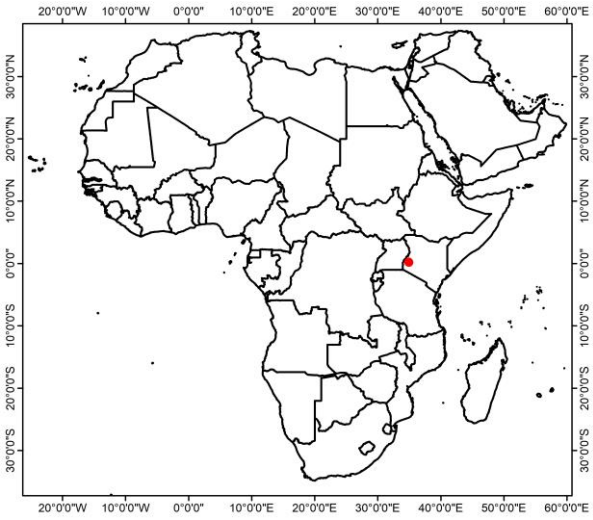

Figure 257. Distribution of *Scotophilus livingstonii*

Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006

2005. *Scotophilus nov. sp.:* Ratrimamanarivo and Goodman, ABCN, 6: 4.
*2006. *Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, Acta Chiropt., 8 (1): 23, figs 2 - 5. Type locality: Madagascar: Mahajanga province: Marovaza [14 56 S 47 16 E, 5 m] [Goto Description]. Holotype: FMNH 184050: ad ♂, skull and alcoholic. Collected by: Steven M. Goodman and Fania H. Ratrimomanarivo; collection date: 11 December 2004. Paratype: FMNH 184051: Collected by: Steven M. Goodman and Fania H. Ratrimomanarivo; collection date: 21 - 22 April 2005. locality: Madagascar: Province de Mahajanga - Marovaza [14 56 S 47 16 E, 5 m asl]. Paratype: FMNH 184052: Collected by: Steven M. Goodman and Fania H. Ratrimomanarivo; collection date: 21 - 22 April 2005. Locality: Madagascar: Province de Mahajanga - Marovaza [14 56 S 47 16 E, 5 m asl]. Paratype: FMNH 184085: Collected by: Steven M. Goodman and Fania H. Ratrimomanarivo; collection date: 21 - 22 April 2005. Locality: Madagascar: Province de Mahajanga - Marovaza [14 56 S 47 16 E, 5 m asl]. Paratype: FMNH 184086: Collected by: Steven M. Goodman and Fania H. Ratrimomanarivo; collection date: 21 - 22 April 2005. Locality: Madagascar: Province de Mahajanga - Marovaza [14 56 S 47 16 E, 5 m asl]. Paratype: MNHN ZM-MO-1984-433: Collected by: Steven M. Goodman and Fania H. Ratrimomanarivo; collection date: 29 April 1869. Paratype: UADBA 46965: Collected by: Richard K.B. Jenkins; collection date: 24 November 2004; original number: RBJ 215. Locality: Madagascar: Antafinimihakatra, Parc National d' Ankarafantsika [16 16 S 46 48 E). - Comments: Publication date: prior to 15 May 2006. - Etymology: The name of the type locality (Marovaza) is placed in apposition to the generic name (Goodman *et al.*, 2006b). (Current Combination)

TAXONOMY:
See Goodman *et al.* (2006b).

COMMON NAMES:
Czech: mračník Goodmanův. English: Marovaza House Bat. French: Scotophile de Marovaza. German: Marovaza-Hausfledermaus.

ETYMOLOGY OF COMMON NAME:
Refers to the name of the type locality (Marovaza).

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) because it is widely distributed in lowland areas of western Madagascar, there are no major threats, and its survival is not dependent

on the conservation of intact forests (Jenkins *et al.*, 2008b; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jenkins *et al.*, 2008b; IUCN, 2009).

MAJOR THREATS:
Jenkins *et al.* (2008b) [in IUCN (2009)] report that there are no major threats known. It is a widely distributed species and is tolerant of habitat disturbance (Goodman *et al.*, 2006b; Rakotoarivelo and Randrianandrianina, 2007).

CONSERVATION ACTIONS:
Jenkins *et al.* (2008b) [in IUCN (2009)] report that given the wide distribution of this species and occurrence in heavily disturbed habitats there are no pressing conservation measures. However, it should be noted that prevalence for synanthropic roosts does not automatically indicate a bat species is not of conservation concern. Furthermore, it should be noted that *S. marovaza* was not found in many of the sites surveyed for bats in western Madagascar (Goodman *et al.*, 2005a) which included areas from where it is suspected of being present (Goodman *et al.*, 2006b). Additional field studies are therefore needed to define its range, local abundance and habitat needs, but this is not a conservation priority (Goodman *et al.*, 2006b).

GENERAL DISTRIBUTION:
Scotophilus marovaza is known from a wide area of western Madagascar from near Morondava in the south, to the holotype locality at Marovaza in the north near Mahajanga (Goodman *et al.*, 2006b; Rakotoarivelo and Randrianandrianina, 2007). Goodman *et al.* (2006b) suspect that *S. marovaza* is distributed across much of western lowland Madagascar although specimen evidence for this is still lacking (Goodman *et al.*, 2005a). Current records are from below 200 m.

Native: Madagascar (Goodman *et al.*, 2006b).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Goodman *et al.* (2006b).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Goodman *et al.* (2006b).

DETAILED MORPHOLOGY:
Baculum:
Rakotondramanana and Goodman (2017: 64) mention that the baculum is a flat triangular structure, with a rounded, expanded proximal portion and which gradually tapers to a rounded distal tip; length: 1.60 ± 0.155 (1.47 - 1.77) mm, width: 0.99 ± 0.071 (0.93 - 1.07) mm.

For a description of the crania, teeth, ears and tragus see Goodman *et al.* (2006b).

ECHOLOCATION:
Kofoky *et al.* (2009: 384) reported the calls of nine individuals, characterized by broadband steep FM followed by QCF, and emitted low duty cycle calls with a maximum energy at about 45.9 kHz.

MOLECULAR BIOLOGY:
DNA, karyotype, protein / allozyme - Unknown.

HABITAT:
See Goodman *et al.* (2006b).

ROOST:
The type specimen was collected day roosting in dry palm leaves (*Bismarckia nobilis*) forming the roof of a building (Goodman *et al.*, 2006b).

PREDATORS:
Goodman *et al.* (2015c: 78) found the remains of one individual in pellets of Bat Hawk *Macheiramphus alcinus* Bonaparte, 1850 in western central Madagascar.

POPULATION:
Structure and Density - There is very little information on this species. Only singletons are known from two of the four sites from which it has been recorded (Goodman *et al.*, 2006b). It has been found in small roosting colonies (< 5 individuals) in huts made from palm leaves (Ratrimomanarivo and Goodman, 2005).
Trend - 2008 - Unknown (Jenkins *et al.*, 2008b; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
See Goodman *et al.* (2006b).

PARASITES:
BACTERIA
Gomard *et al.* (2016: 5) found the single specimen they tested to be posifive for *Leptospira*.

INSECTA
Diptera:
Nycteribiidae: Wilkinson *et al.* (2016) reported the presence of *Basilia (Paracyclopodia)* sp. Ramasindrazana *et al.* (2017: Suppl.) refer to this bat fly as "*Basilia* sp. 2".

ANTHROPOPHILOUS:
Known to roost in the palm roofs of houses (Goodman *et al.*, 2006b).

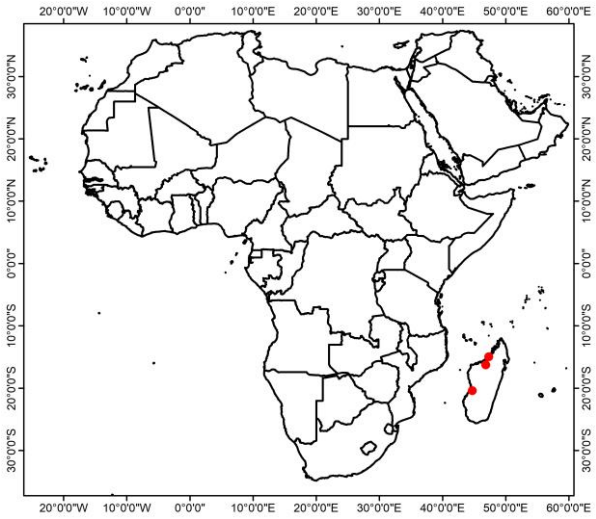

Figure 258. Distribution of *Scotophilus marovaza*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Scotophilus nigrita (Schreber, 1774)

*1774. *Vespertilio Nigrita* Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, 1 (8): pl. 58 + 1 (9): 171. Publication date: 1774. Type locality: Senegal: "Senegal" [Goto Description]. - Etymology: Lanza *et al.* (2015: 493) state: "From the scientific Latin *nigritus*, diminutive of the masculin Latin adjective *nìger* (nìger) 'black', (masculine *nigrìtus*; feminin *nigrìta*, neuter *nigrìtum*), referring to the blackish uropatagial colour of the type specimen: 'Die Schwanzhaut ist schwärzlich' (Schreber 1774). Note that Schreber erroneously used a feminine adjective with the masculine gender noun *Vespertilio*, unless he did not consider *nigrita* as a noun in apposition (noun seemingly non-existent even in the post-classic Latin; instead, there exists in classic Latin the noun *nigritia*, meaning 'black or blackish colour').

1875. *Scotophilus gigas* Dobson, Ann. Mag. nat. Hist., ser. 4, 16 (92): 122. Publication date: 1 August 1875. Type locality: Nigeria: Western region: Lagos [06 27 N 03 23 E] [Goto Description]. Holotype: BMNH 1872.10.24.5: ad ♀, skull and alcoholic.

1965. *Scotophilus alvenslebeni* Dalquest, J. Mamm., 46 (2): 254, 258. Publication date: May 1965. Type locality: Mozambique: S bank Save River: Zinave National Park [ca. 21 26 S 33 52 E] [Goto Description]. Holotype: KU 105222: ad ♂, skin and skull. Collected by: Prof. Dr. Walter Woelberg Dalquest; collection date: 9 October 1963; original number: MWUC 18767. See Jones and Genoways (1969: 132). - Comments: Type locality originally as "S Bank Save River, bei Zinave, 212 km SSW Beira": see Kock (1969a: 204). - Etymology: In honour of Baron Werner von Alvensleben, in partial recognition of his labors in behalf of our work in Mozambique (see Dalquest, 1965: 258).

2016. *Scotophilus nigritta:* Mikula, Morelli, Lucan, Jones and Tryjanowski, Mammal Rev., Suppl. Data. Publication date: 20 January 2016. (Lapsus)

? *Scotophilus nigrita alvenslebeni:* (Name Combination)

? *Scotophilus nigrita nigrita:* (Name Combination)

? *Scotophilus nigrita:* (Name Combination, Current Combination)

TAXONOMY:
For a review of this species see Robbins (1978a). The identity of this species is clear and *nigrita* is the senior synonym of *gigas*. Most specimens called *nigrita* prior to 1978 should be called *dinganii* (see Robbins, 1978a: 212 - 213).

Based on cytochrome *b*, Vallo *et al.* (2014: 225) found *N. nigrita* to be paraphyletic with respect to the other continental African species *S. colias, S. dinganii, S. nigritellus* and *S. viridis*. They also found that cytochrome *b* from West and Southern African *S. nigrita* specimens differed between 7.6 and 8.1 %, which suggest that *S. nigrita* might differ on specific level from *alvenslebeni*. However, they (p. 229) find it too preliminary to officialize this split, and suggest further, more extensive genetic sampling and morphological analyses.

See Lanza *et al.* (2015: 493)'s remark on the taxon's suffix in the synonymy list above.

COMMON NAMES:
Afrikaans: Groot geel dakvlermuis. Czech: mračník olbřímí. English: Giant House Bat, Giant Brown House Bat, Brown House Bat, Great Brown House Bat, Giant Yellow House Bat, Schreber's Yellow Bat, Geat Brown Bat, Giant Brown Bat, Senegal Bat, Schreber's Brown Bat. French: Grand scotophile africain. German: Riesen-Hausfledermaus, Hundkopf-Schwirr-fledermaus. Italian: Scotòfilo scùro. Portuguese: Morcego gigante amarelo das casas. Spanish (Castillian): Murciélago Amarillo.

ETYMOLOGY OF COMMON NAME:
Most of the colloquial names refer to its colour (yellow) and being a House bat. The colloquial name Schreber's Yellow bat refers to J. von Schreber, who originally described the species (Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Cotterill, 2008d; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Cotterill, 2008d; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Cotterill, 2004d; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - NT D2 ver 3.1 (2001) (Fernsby *et al.*, 2016). 2004 - considered a vagrant not assessed, not recorded in SA (Friedmann and Daly, 2004).

MAJOR THREATS:
This species is threatened by the conversion of its habitat to agricultural use in parts of its range (Cotterill, 2008d; IUCN, 2009).

CONSERVATION ACTIONS:
Cotterill (2008d) [in IUCN (2009)] reports that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Management of protected areas is necessary.

GENERAL DISTRIBUTION:
Scotophilus nigrita has been recorded as scattered records from West, East, and south-east Africa. It has been reported from Senegal, Côte d'Ivoire, Ghana, Togo, Nigeria and Cameroon in West Africa, from central Sudan, and from western Democratic Republic of the Congo, western Kenya and Tanzania, south to Mozambique, Malawi, eastern Zimbabwe and north-eastern South Africa.

Native: Cameroon (Bakwo Fils *et al.*, 2012: 55); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 575); Côte d'Ivoire; Ghana; Kenya; Malawi (Ansell and Dowsett, 1988: 37; Monadjem *et al.*, 2010d: 575); Mozambique (Dalquest, 1965; Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 575); Nigeria; Senegal; South Africa (Monadjem *et al.*, 2010d: 575); Sudan; Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 63); Zimbabwe (Cotterill, 1996a; Monadjem *et al.*, 2010d: 575).

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

ECHOLOCATION:
Thiagavel *et al.* (2017: Suppl.) mention a peak frequency of 32.85 kHz.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the African goshawk (*Accipiter tachiro* (Daudin, 1800)) preying upon *S. nigrita*. They also mention this bat to be a possible prey of the Lanner falcon (*Falco biarmicus* Temminck, 1825), Peregrine falcon (*Falco peregrinus* Tunstall, 1771), and Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850).

POPULATION:
Structure and Density - It appears to be a rare, or rarely recorded, species (Cotterill, 2008d; IUCN, 2009).
Trend - 2008 - Decreasing (Cotterill, 2008d; IUCN, 2009).

VIRUSES:
Bunyaviridae
Nairovirus
Qalyub virus was reported by Luis *et al.* (2013: suppl.).

Coronaviridae - Coronaviruses
SARS-CoV - In Nigeria during June 2008, Quan *et al.* (2010) screened the gastrointestinal tissue for the presence of coronaviruses by PCRs, none tested positive.

Flaviviridae
Flavivirus
The presence of Dakar bat virus was mentioned by Luis *et al.* (2013: Suppl.), Blitvich and Firth (2017: 3), Willoughby *et al.* (2017: Suppl.).

Rhabdoviridae
Lyssavirus - Rabies related viruses
In Nigeria during June 2008, Quan *et al.* (2010) did not detect any lyssavirus-specific antigens from

the brains by use of direct fluroescent anitbody testing.

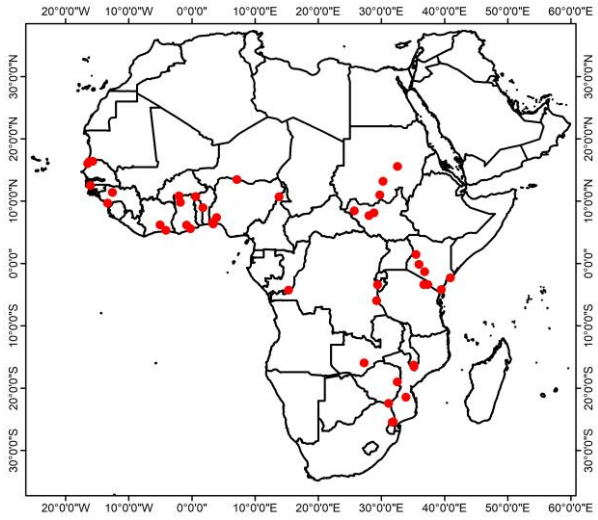

Figure 259. Distribution of *Scotophilus nigrita*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Burundi, Cameroon, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Guinea, Kenya, Malawi, Mozambique, Niger, Nigeria, Senegal, South Africa, South Sudan, Sudan, Tanzania, Togo, Zambia, Zimbabwe.

Scotophilus nucella Robbins, 1983

*1983. *Scotophilus nucella* Robbins, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., 273: 19. Type locality: Ghana: Eastern region: Nkawkaw, 1 mi N [06 33 N 00 44 W]. Holotype: USNM 412141: ad ♂, skin and skull. Collected by: Bruce Joliffe Hayward; collection date: 5 August 1967. - Etymology: *nucella* is a diminutive of *nux*. Following the rules for construction of a diminutive, the latin root of *nux* is used (=*nuc*). Although *Scotophilus* is masculine in gener, formation of a diminutive of a noun in apposition (*nux*) must retain the same gender as its root (*nuc*) which is feminine. The only ending then possible are -*ula* or -*ella*. (Current Combination)

TAXONOMY:
Included in *leucogaster* by Koopman (1993a: 227), Grubb *et al.* (1998: 91).

Vallo *et al.* (2016: 302) showed that cytochrome *b* sequences separated *S. nucella* 7.8 - 9.4 % from *S. nux* and puts both in a sister position. This was corroborated by the nuclear zinc finger protein gene on the Y-chromosome. Both species were separated from one another at the Pliocene-Pleistocene transition, some 2.5 MYA.

COMMON NAMES:
Czech: mračník guinejský. English: Lesser Nut-coloured House Bat, Rainforest House Bat, Robbins's House Bat, Robbin's House Bat, Nucella House Bat, Little Nut-coloured House Bat, Robbins's Yellow Bat. French: Scotophile de Robbins, Scotophile des hauteurs. German: Robbins Hausfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence, ecological requirements, threats and conservation status. The range is very poorly known, and it is unclear if the species is declining (Fahr, 2008o; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Fahr, 2008o; IUCN, 2009). 2004 - VU A2a; B2ab(iii) ver 3.1 (2001) (Fahr, 2004b; IUCN, 2004).

MAJOR THREATS:
The threats to this species are not known (Fahr, 2008o; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008o) [in IUCN (2009)] reports that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further research is needed.

GENERAL DISTRIBUTION:
Scotophilus nucella has only been recorded from southeastern Côte d'Ivoire, southern Ghana, and western Uganda close to the border with the Democratic Republic of the Congo, and Kambai Forest Reserve in the East Usambara Mountains of Tanzania (Cunneyworth, 1996b). Known from

the high forest vegetation zone in Ghana (Decher and Fahr, 2007: 20) and Uganda, but it may occur in the high forest areas of West, Central and East Africa (Robbins, 1983).

Native: Côte d'Ivoire; Ghana (Decher and Fahr, 2007: 20); Tanzania Cunneyworth, 1996b); Uganda.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species. It is suspected to be declining as it appears that the species has not been collected since 1984 (Fahr, 2008o; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, 2008o; IUCN, 2009).

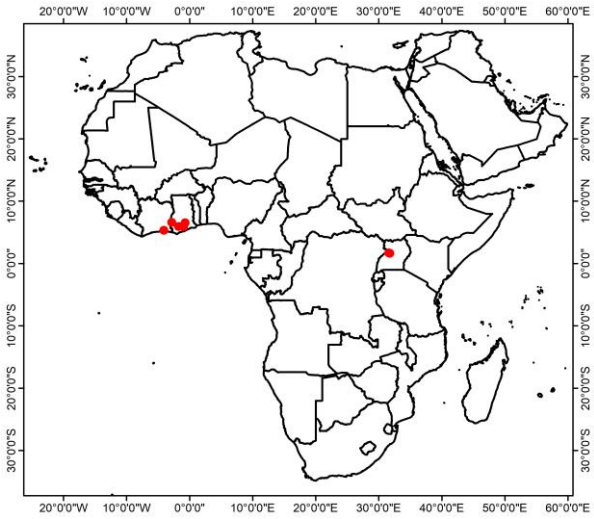

Figure 260. Distribution of *Scotophilus nucella*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Côte d'Ivoire, Ghana, Tanzania, Uganda.

Scotophilus nux Thomas, 1904

*1904. *Scotophilus nigrita nux* Thomas, Ann. Mag. nat. Hist., ser. 7, 13 (75): 208. Publication date: 1 March 1904. Type locality: Cameroon: Efulen [02 46 N 10 42 E] [Goto Description]. Holotype: BMNH 1903.2.4.5: ad ♂. Collected by: George Latimer Bates Esq. - Etymology: From the Latin "*nux*" meaning nut.
1915. *Scotophilus nux:* Thomas, Ann. Mag. nat. Hist., ser. 8, 16 (96): 468. Publication date: 1 December 1915. (Name Combination, Current Combination)
1938. *[Pachyotus] nux:* Frechkop, Exploration du Parc National Albert, 53. (Name Combination)
1938. *Pachyotus mux:* Frechkop, Exploration du Parc National Albert, 59. (Lapsus)
1938. *Pachyotus nigrita mux:* Frechkop, Exploration du Parc National Albert, 59. - Comments: Mentioned in the synonymy of *Pachyotus mux* (sic). (Lapsus)
1938. *Scotophilus nigrita mux:* Frechkop, Exploration du Parc National Albert, 59. - Comments: Mentioned in the synonymy of *Pachyotus mux* (sic). (Lapsus)
? *Scotophilus dinganii nux:* (Name Combination)
? *Scotophilus leucogaster nux:* (Name Combination)

TAXONOMY:
S. nux has been most often recognized as a subspecies of *nigrita*, when *nigrita* was used for the species now called *dinganii*; see Allen (1939a), Rosevear (1965), and Hayman and Hill (1971: 50). Koopman (1965: 4 - 5) listed it as a subspecies of *leucogaster*. Grubb *et al.* (1998: 90) include *nux* as a subspecies of *dinganii*.

Vallo *et al.* (2016: 306) found that the cyt *b* of specimens from Guinea differs 3.4 - 4.5 % from that of conspecifics from other parts of Africa and therefore these specimens might probably be assigned to a separate subspecies.

COMMON NAMES:
Czech: mračník ořechový. English: Nut-coloured House Bat, Dark House Bat, Nut-colored Yellow Bat, Nux Yellow House Bat. French: Scotophile noisette, Scotophile nux. German: Nußfarbene Hausfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Fahr, 2008p; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Fahr, 2008p; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Fahr, 2004q; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species. Some populations may be impacted by general deforestation, however, this needs to be confirmed (Fahr, 2008p; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008p) [in IUCN (2009)] reports that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas.

GENERAL DISTRIBUTION:
Scotophilus nux has been patchily recorded from West Africa (Sierra Leone, Guinea, Liberia Côte d'Ivoire, Ghana and Nigeria), Central Africa (Cameroon and Democratic Republic of the Congo) and East Africa (Uganda and Kenya), and is believed to likely occur more widely than is currently known. It is possibly present in Equatorial Guinea, however, this needs to be confirmed.

Native: Cameroon; Congo (Bates *et al.*, 2013: 337); Congo (The Democratic Republic of the); Côte d'Ivoire; Ghana (Decher and Fahr, 2007: 21); Guinea (Fahr *et al.*, 2006a: 74; Decher *et al.*, 2016: 274); Kenya; Liberia (Fahr, 2007a: 104); Nigeria; Rwanda; Sierra Leone; Uganda.
Presence uncertain: Equatorial Guinea.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
From western Uganda, Monadjem *et al.* (2011: 30) reported the following data: Fa: 55.6 mm, mass: 30 g, wing loading: 6.4 N/m^2, aspect ratio: 5.5.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
Monadjem *et al.* (2016y: 371) collected two specimens over water in a disturbed forest habitat on the Liberian side of Mount Nimba at 520 m.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Fahr, 2008p; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, 2008p; IUCN, 2009).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

Figure 261. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1903.2.4.5, holotype of *Scotophilus nigrita nux* Thomas, 1904.

ECHOLOCATION:
From western Uganda, Monadjem *et al.* (2011: 32) reported the following values: F_{min}: 40.71 kHz, F_{max}: 54.05 kHz, F_{char}: 43.01 kHz, F_{knee}: 45.07 kHz, and duration: 2.0 ms.
For a *S.* cf. *nux* specimen from Gabon, Peereboom and van Lieshout (2015: 6) mention F_{min}: 38.49 ± 0.83 (37.82 - 40.04) kHz, F_{max}: 59.45 ± 7.23 (52.54 - 75.79) kHz, $F_{min\ dom}$: 44.54 ± 1.91 (41.11 - 47.37) kHz, duration: 1.87 ± 0.30 (1.60 - 2.50) ms, interpulse interval: 57.08 ± 33.44 (16.20 - 108.60) ms.

Thiagavel *et al.* (2017: Suppl.) mention a peak frequency of 26.09 kHz.

VIRUSES:
Coronaviridae
Anthony *et al.* (2017b: Suppl.) mention the alpha-coronavirus Predict_CoV_33.

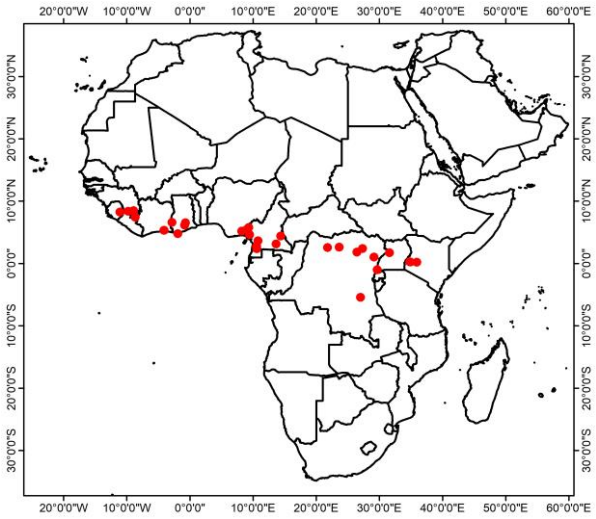

Figure 262. Distribution of *Scotophilus nux*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Cameroon, Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Guinea, Kenya, Liberia, Nigeria, Sierra Leone, Uganda.

Scotophilus robustus A. Milne-Edwards, 1881

*1881. *Scotophilus robustus* A. Milne-Edwards, C. R. séances Acad. Sci., Paris, 91: 1035. Publication date: 1881. Type locality: Madagascar: "Madagascar" [Goto Description]. Holotype: MNHN 218: ♀. Holotype: MNHN ZM-MO-1997-1883a: ad ♀, alcoholic (skull not removed). Collected by: Léon Humblot. Number 218 in Rode (1941: 248). See also Peterson *et al.* (1995: 112), Goodman *et al.* (2005b: 873). Paratype: MNHN ZM-MO-1997-1883b: ad ♀, alcoholic (skull not removed). Collected by: Léon Humblot. Number 218a in Rode (1941: 248). Goodman *et al.* (2005b: 873) additionally mention that the jar with the type specimen contains two specimens (1997-1883a and 1997-1883b), but that not can be determined which of the two is the holotype. - Comments: Goodman *et al.* (2005b: 873) mention "entre Foulpointe et le lac d'Alaoutre" in the central portion of het eastern humid forest as type locality. Goodman *et al.* (2005b: 873) also mention that the jar with the type specimen contains two specimens (1997.1883a and 1997.1883b), but that not can be determined which of the two is the holotype. (Current Combination)

? *Scotophilus nigrita robustus:* (Name Combination)

TAXONOMY:
Recognized as a subspecies of *nigrita* (when *nigrita* was used for the species now called *dinganii*) by Hayman and Hill (1971: 50). However, Robbins *et al.* (1985) considered it specifically distinct from *dinganii* and *borbonicus*.

COMMON NAMES:
Czech: mračník statný. English: Robust Yellow Bat. French: Scotophile de Madagascar, Chauve-souris domestique malgache, Scotophile robuste. German: Madagaskar-Hausfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) as although the species is not thought to be abundant and has not often been recorded, the available information indicates that the species is widespread across Madagascar occurring in a wide variety of habitats, including in human habitations. While the threats affecting the species are imperfectly known, there is no reason to expect that the species is currently undergoing a decline that would warrant listing in a threatened category (Andriafidison *et al.*, 2008k; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Andriafidison *et al.*, 2008k; IUCN, 2009). 1996 - LR/nt ver 2.3 (1994).

MAJOR THREATS:
Andriafidison *et al.* (2008k) [in IUCN (2009)] report that the major threats to this species are not well known. This species uses forest habitat, but it also occurs outside of forested areas. There is one reported occurrence of this species being hunted by food by local people, but there is no evidence that this constitutes a major threat (Goodman *et al.*, 2008d).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008k) [in IUCN (2009)] report that this species is known from a number of protected areas across Madagascar and does not appear to require specific conservation measures but, like many other Malagasy bats that are not

considered to be threatened, there is a lack of basic natural history data.

GENERAL DISTRIBUTION:
Scotophilus robustus is endemic to the island of Madagascar, where it is broadly distributed from the coast to the highland plateau up to 1,400 m in Tsinjoarivo (Goodman *et al.*, 2005a). This species is rarely recorded, but as more surveys are conducted it is likely that this species will be found to have a wider distribution.

Native: Madagascar (Russ *et al.*, 2001).

DETAILED MORPHOLOGY:
Baculum:
This bone has a flat triangular structure, with a distinct indentation to the proximal margin (Rakotondramanana and Goodman, 2017: 64); length: 2.02 ± 0.048 (.94 - 2.09) mm, width: 1.18 ± 0.096 (0.98 - 1.29) mm.

ECHOLOCATION:
Kofoky *et al.* (2009: 382) reported the calls which were characterized by a broadband steep FM followed by a QCF calls at low duty cycle. The fundamental was always the most intense with peak energy at about 38.1 kHz.

DIET:
The following prey volume percentages were reported from the faeces of 2 *S. robustus* specimens by Rakotondramanana *et al.* (2015: 74): Coleoptera: 14.5 ± 20.51; Lepidoptera: 50.0 ± 70.71; Homoptera: 8.0 ± 11.31; Blattoidea: 27.5 ± 38.90. Expressed as frequency percentages, the values are: Coleoptera: 50.0 ± 70.71; Lepidoptera: 50.0 ± 70.71; Homoptera: 60.0 ± 42.43; Blattoidea: 50.0 ± 70.71.

Rasoanoro *et al.* (2015: 63) found that Coleoptera formed about 68 % of the diet, whereas sampling in the feeding area revealed that only 3 % of the available prey consisted of Coleoptera. They indicated that - at least in the hot season - *S. robustus* is a Coleopteran specialist. The droppings of three bats contained the following volume percentages of prey types: Aranea: 5.7 ± 0.33, Coleoptera: 68.0 ± 10.08, Diptera: 1.9 ± 1.88, Homoptera: 2.1 ± 2.06, Hymenoptera: 8.7 ± 3.87, Lepidoptera: 9.1 ± 4.50, and Orthoptera: 4.3 ± 2.15.

POPULATION:
Structure and Density - A number of bat surveys have failed to locate this species (Goodman *et al.*, 2005b; Robinson *et al.*, 2006; Rakotoarivelo and Randrianandrianina, 2007) and it appears not to be locally abundant (Andriafidison *et al.*, 2008k; IUCN, 2009).
Trend - 2008 - Unknown (Andriafidison *et al.*, 2008k; IUCN, 2009).

PARASITES:
Diptera:
Nycteribiidae: Duron *et al.* (2014: 2108) refer to a *Basilia* nov. sp. collected from this bat species.
Wilkinson *et al.* (2016) reported the presence of *Basilia (Paracyclopodia)* sp., which was carrying *Bartonella* bacteria, as well as Enterobacteriales.
Ramasindrazana *et al.* (2017: Suppl.) refer to the bat fly as "*Basalia* sp. 1". They also mention (p. 6) a *Basilia (Paracyclopodia) madagascarensis*, which was collected from a "*Scotophilus borbonicus*" from Nosy Be, but this bat most probably should be assigned to *S. robustus*.

VIRUSES:
Flaviviridae
Flavivirus
Dakar Bat Virus (DBV)- Isolated from salivary glands (Coulanges *et al.*, 1974; Rousset and Andrianarivelo, 2003).

UTILISATION:
See Goodman *et al.* (2008d).

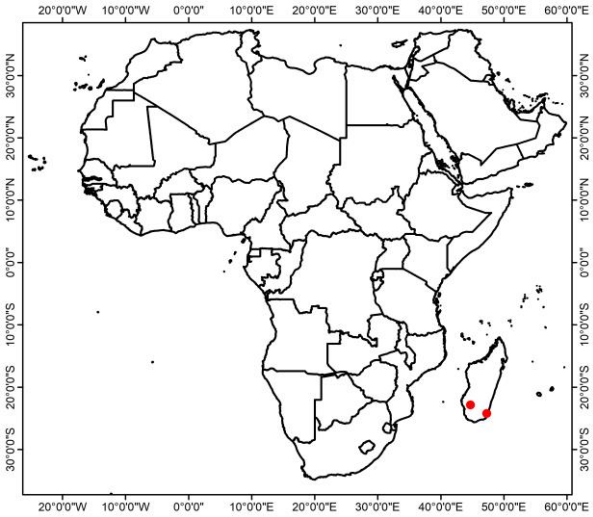

Figure 263. Distribution of *Scotophilus robustus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Madagascar.

Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005

*2005. *Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, Zoosystema, 27 (4): 867, 875, figs 3 - 5. Type locality: Madagascar: Mahajanga province: just outside the Parc

national de Bemaraha: 1.8 km SE Bekopake and 0.6 km NE Andadoany [19 08 S 44 49 E, 50 m] [Goto Description]. Holotype: UADBA 46923: ad ♂, skull and alcoholic. Collected by: Richard K.B. Jenkins and Fania H. Ratrimomanarivo; collection date: 27 July 2003; original number: RBJ 161. - Etymology: From the Malagasy meaning "from the west" (see Goodman *et al.*, 2005b: 875). (Current Combination)

TAXONOMY:
Goodman *et al.* (2005b) described this species based on three specimens which were collected in 1868, 1869 and 2003 (the latter being designated as the holotype). One of these (the specimen collected in 1869) was later reassessed as *S. marovaza* (Goodman *et al.*, 2006b).

Trujillo *et al.* (2009: 553) indicate that inferred phylogenies do not support the separation of *S. tandrefana* and *S. marovaza* as the cytochrome *b* phylogeny only reveals a genetic divergence of 0.6 %, a level indicative of within-species divergence. This might indicate that cytochrome *b* is not representative or that the separation between the two taxa occurred too recent to be already reflected in that gene.

COMMON NAMES:
Czech: mračník madagaskarský. English: Western Yellow Bat. French: Scotophile d'Andadoany. German: Westliche Hausfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) as the species is known from only two specimens (one collected as recently as 2003) and there is no information on its population status or threats (Jenkins *et al.*, 2008c; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jenkins *et al.*, 2008c; IUCN, 2009).

MAJOR THREATS:
The major threats to this species are not known (Jenkins *et al.*, 2008c; IUCN, 2009).

CONSERVATION ACTIONS:
Jenkins *et al.* (2008c) [in IUCN (2009)] report that this species has been recorded from near Parc National Tsingy de Bemaraha and the managed forest of Kirindy CFPF (Goodman *et al.*, 2005a), but evidence is lacking that it actually roosts or feeds in these forests.

GENERAL DISTRIBUTION:
Scotophilus tandrefana is endemic to Madagascar where it is known from two localities: near Parc National Tsingy de Bemaraha in the west and Sarodrano in the south (Goodman *et al.*, 2005a). Photographs and forearm measurements of an individual from Kirindy (CFPF) forest in the west represents the third known locality for this species (Goodman *et al.*, 2005a).

Native: Madagascar.

ECHOLOCATION:
Kofoky *et al.* (2009: 382) reported the calls from a single individual in a flight cage, which emitted broadband FM/QCF calls at low duty cycle with frequency containing most energy at about 48.2 kHz.

POPULATION:
Structure and Density - There are no data on the population of this species and all existing information is based on two specimens that were collected in 1868 and 2003 (Goodman *et al.*, 2005b; 2006b).
Trend - 2008 - Unknown (Jenkins *et al.*, 2008c; IUCN, 2009).

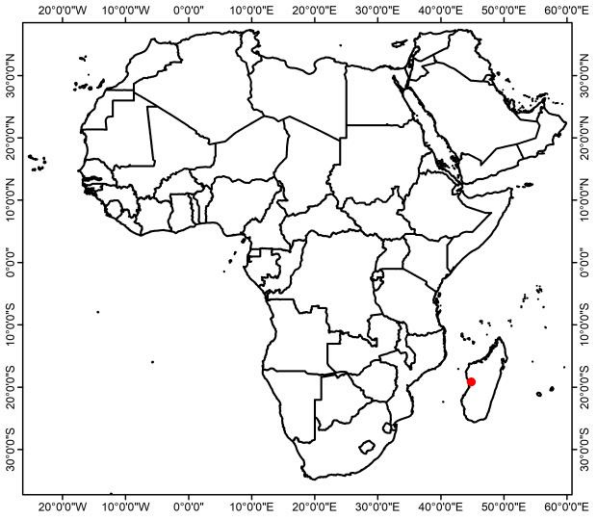

Figure 264. Distribution of *Scotophilus tandrefana*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Madagascar.

Scotophilus trujilloi Brooks and Bickham, 2014

*2014. *Scotophilus trujilloi* Brooks and Bickham, Occ. Pap. Mus. Texas Tech Univ., 326: 1, 16, fig. 6. Publication date: 26 Jun 2014. Type locality: Kenya: Coastal province: Kwale

district: Moana Marine Station, 1 km S, 2 km E Ukunda [04 18 S 39 35 E] [Goto Description]. Holotype: CM 98038: ad ♂, skin and skull. Collected by: Dr. Duane Albert Schlitter; collection date: 18 October 1985; original number: 7086. Muscle tissue sample TK 33263. Paratype: CM 98040: ad ♀, skin and skull. Collected by: Dr. Duane Albert Schlitter; collection date: 18 October 1985; original number: 7087. Tissue sample TK 33266. Paratype: CM 98041: ad ♀, skin and skull. Collected by: Dr. Duane Albert Schlitter; collection date: 18 October 1985; original number: 7090. - Etymology: In honour of Dr. Robert Trujillo (b. 1975), who's ground-breaking doctoral dissertation on the molecular systematics of *Scotophilus* paved the way for the description of the four cryptic species described in this paper (Trujillo 2005; Trujillo *et al*. 2009) (see Brooks and Bickham (2014 18).

TAXONOMY:
Brooks and Bickham (2014) described four new species in the genus *Scotophilus*. However, they did not compare them with a number of already described taxa such as *colias* Thomas, 1904 or *flavigaster* Heuglin, 1861, which make the validity of (some of) these names doubtfull.

COMMON NAMES:
English: Trujillo's House Bat.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya.

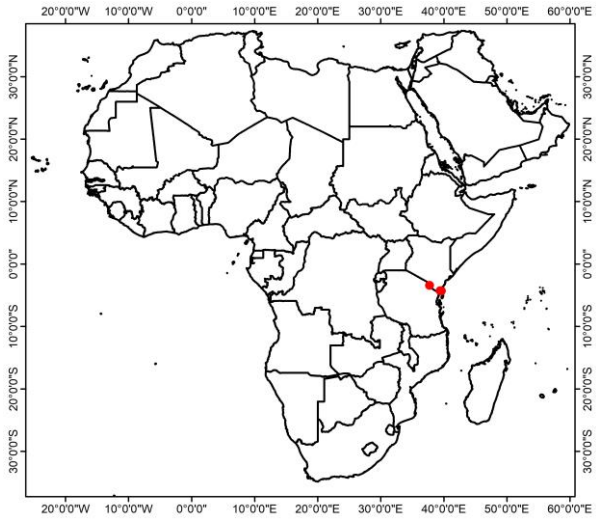

Figure 265. Distribution of *Scotophilus trujilloi*

Scotophilus viridis (Peters, 1852)

*1852. *Nycticejus viridis* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 67, pl. 17, fig. 2, a-e. Publication date: 1852. Type locality: Mozambique: Mozambique Island [15 S 40 42 E] [Goto Description]. Holotype: ZMB 73610: ad ♂, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: March 1845. Formerly ZMB 526 [=An 16362]; see Turni and Kock (2008: 53). - Etymology: From the masculine Latin adjective *viridis*, meaning "green", referring to the body colour: "Die Farbe der Rückseite ist ein schönes dunkles Olivengrün, die Haare der Bauchseite sind grünlichgelb" (Peters (1852: 68) (see Lanza *et al.*, 2015: 498).
1899. *Scotophilus nigritellus* de Winton, Ann. Mag. nat. Hist., ser. 7, 4 (23): 355. Publication date: 1 November 1899. Type locality: Ghana: Gambaga [10 32 N 00 26 W] [Goto Description]. Holotype: BMNH 1899.6.15.9: ad ♂. Collected by: Captain W. Giffard; collection date: 9 January 1899.
? *Scotophilus borbonicus viridis:* (Name Combination)
? *Scotophilus cf. viridis*
? *Scotophilus leucogaster nigritellus:*
? *Scotophilus leucogaster viridis:* (Name Combination)
? *Scotophilus viridis nigritellus:* (Name Combination)
? *Scotophilus viridis viridis:* (Name Combination)
? *Scotophilus viridis:* (Name Combination, Current Combination)

TAXONOMY:
Included in *leucogaster* by Hayman and Hill (1971: 50) but see Koopman (1975: 414 - 416) and Schlitter *et al.* (1980). Includes *nigritellus*, see Robbins *et al.* (1985). Included *damarensis* but see Robbins *et al.* (1985).

Vallo *et al.* (2011a: 45) showed that their cytochrome *b* analyses indicate that *S. viridis*

contains two paraphyletic lineages, differing by about 12 %. They indicate that the greenish-yellow specimens from West Africa could be reliably identified with *S. nigritellus*. mtDNA analyses performed by Trujillo *et al.* (2009: 553) confirm that *S. viridis* is distinct from *S. nigritellus*, as suggested by Grubb *et al.* (1998). They also found that *S. viridis* is not monophyletic because it is found in 2 divergent clades; specimens from Kenya group with *S. dinganii* from South Africa, and specimens of *S. viridis* from South Africa group with *S. robustus* from Madagascar.

Vallo *et al.* (2012: 5), who analyses the cytochrome *b* gene of West African "*S. nigritellus*" specimens, found that two paraphyletic lineages were present (agreeing with the belly colour of the specimens), with a genetic divergence ranging between 12.3 and 13.5 %. The white bellied lineage differed only 2.6 to 2.8 % from *S. leucogaster*. Their analysis of the *zfy* gene (zinc finger protein on the Y-chromosome) indicated that the white bellied lineage differed by 10 substitutions from the yellow-bellied lineage, and that the white bellied lineage furthermore differed by 9 substitutions from *S. leucogaster*. Vallo *et al.* (2012: 10) concluded that the yellow-bellied form agrees with the form *S. nigritellus* described by de Winton in 1899 but were unable to provide a name for the white bellied form.

In view of this unclear situation, we tentatively retain the West (and NE) African specimens in *S. viridis* until a complete review of the available material has been made.

COMMON NAMES:
Afrikaans: Klein geel dakvlermuis. Czech: mračník zelený. English: Green House Bat, Greenish Yellow Bat, Lesser Yellow House Bat. French: Petit scotophile africain, Scotophile verdâtre. German: Grünliche Hausfledermaus, Olivengrüne Schwirrfledermaus. Italian: Scotòfilo vérde.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Griffin, 2008c; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Griffin, 2008c; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Griffin, 2004c; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Richards *et al.*, 2016a). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species (Griffin, 2008c; IUCN, 2009).

CONSERVATION ACTIONS:
Griffin (2008c) [in IUCN (2009)] reports that there appear to be no direct conservation measures in place. It has been recorded from the Matusadona National Park in Zimbabwe, and likely is present in several other protected areas.

GENERAL DISTRIBUTION:
Scotophilus viridis is widespread in sub-Saharan Africa, ranging from Senegal and Gambia in West Africa, to northern Cameroon and Central African Republic, from here into Sudan and Ethiopia, and then south through much of East Africa and southeastern Africa, being reported as far south as eastern South Africa and Swaziland. For South Africa, Babiker Salata (2012: 49) found that its distribution is stongly associated with the mean temperature of the coldest quarter.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 895,732 km^2.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 575); Benin (Capo-Chichi *et al.*, 2004: 163); Botswana; Burkina Faso (Kangoyé *et al.*, 2015a: 626); Cameroon; Central African Republic; Chad; Côte d'Ivoire; Ethiopia; Gambia; Ghana; Guinea-Bissau (Peters, 1870; Seabra, 1900a; Rainho and Ranco, 2001: 72); Kenya; Malawi (Ansell and Dowsett, 1988: 38; Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 575); Mali; Mozambique (Monadjem *et al.*, 2010d: 575; Monadjem *et al.*, 2010c: 385 as *S.* cf. *viridis*); Namibia; Niger; Nigeria; Senegal; South Africa (De Graaf, 1960; Monadjem *et al.*, 2010d: 575); Sudan; Swaziland (Monadjem *et al.*, 2010d: 575); Tanzania (Stanley and Goodman, 2011: 45) (including the islands of Pemba and Mafia [O'Brien, 2011: 290]); Togo; Zambia (Monadjem *et al.*, 2010d: 575); Zimbabwe (Cotterill, 2004a: 262; Monadjem *et al.*, 2010d: 575).

ECHOLOCATION:
See Taylor (1999b).

Schoeman and Waddington (2011: 291) mention a peak frequency of 46.9 ± 1.1 kHz and a duration of 2.9 ± 1.2 msec for *S.* cf. *viridis* specimens from St. Lucia Wetland Park, South Africa.
From Swaziland, Monadjem *et al.* (2017c: 179) reported F_{min}: 39.8 ± 1.33 (38.5 - 41.2) kHz, F_{knee}: 42.7 ± 1.05 (41.6 - 43.7) kHz, F_c: 40.1 ± 1.31 (38.8 - 42.4) kHz and duration: 3.5 ± 1.55 (2.0 - 5.0)

msec. The calls could be detected up to a distance of 15 m.

Thiagavel *et al.* (2017: Suppl.) mention a peak frequency of 40.1 kHz.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003) for the results of a specimen from Tanzania.
Karyotype - See discussion in generic account.
Protein / allozyme - Unknown.

HABITAT:
In southern Africa, the species primarily occurs in Savanna (77 %) and Coastal mosaic (13 %) habitats (Cooper-Bohannon *et al.*, 2016: Table S2).

HABITS:
Cotterill and Giddings (1987: 175) studied the activitypatterns of *S. viridis* in Zimbabwe and found that most of the females was active between 7 and 9 p.m (when there is a peak in insect abundance)., whereas most of the males were active between 9 and 10 p.m.

ROOST:
Monadjem *et al.* (2010b: 74) found that they roosted in *Combretum imberbe* and *Acacia nigrescens* trees in Swaziland, where they found that 4 of the 5 radio tracked individuals roosted simultaneously in the same *Combretum imberbe* on a single night, and then one individual switched roosts to a different *Combretum imberbe* for two nights.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the following diurnal avian predators: Red-necked falcon (*Falco ruficollis* Daudin, 1800), Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) [although the prey might have been a *S. nigrita*]; Grey-headed bushshrike (*Malaconotus blanchoti* Stephens, 1826).

POPULATION:
Structure and Density - This is a common species (Griffin, 2008c; IUCN, 2009).
Trend - 2008 - Unknown (Griffin, 2008c; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Delayed development (van der Merwe *et al.*, 1988).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested [as *S. borbonicus*] between 1986 to 1999, for antibody to SARS-CoV in sera in one individual from Limpopo Province, South Africa, which turned out to be negative.

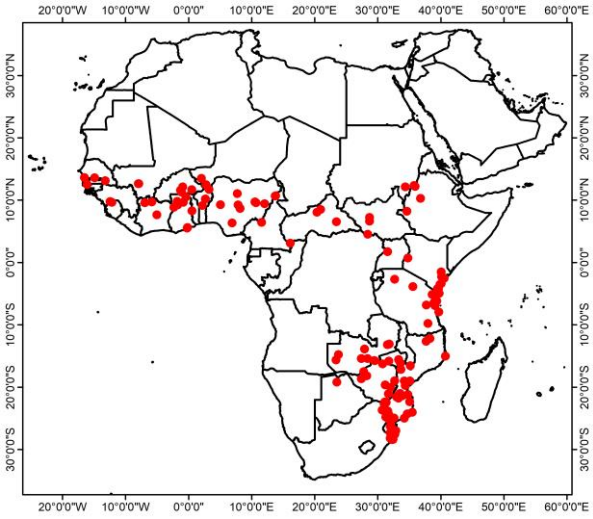

Figure 266. Distribution of *Scotophilus viridis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Côte d'Ivoire, Ethiopia, Ghana, Kenya, Malawi, Mali, Mozambique, Niger, Nigeria, Senegal, Sierra Leone, South Africa, South Sudan, Sudan, Swaziland, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

†Genus ***Vampyravus*** Schlosser, 1910

*1910. *Vampyravus* Schlosser, Zool. Anz., 35: xxx. (Current Combination)
1911. *Provampyrus* Schlosser, Beitr. Paläont. Geol. Öst.-Ung., 24: xxx. - Comments: This is possibly a synonym of *Vampyravus* Schlosser, 1910.

TAXONOMY:
The position of this genus is still uncertain.

Sigé (1985) [in Ravel *et al.* (2014: 696)] found some similarities between the humerus (the only known specimen of this species) and the Natalidae, but Gunnell *et al.* (2009) indicated that the morphology of this bone was more compatible with that of the Emballonuridae and Rhinopomatidae.

Known species of the genus *Vampyravus*: †***orientalis*** Schlosser, 1910.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Time frame - Late Eocene, Early Oligocene (Rupelian).

†***Vampyravus orientalis*** Schlosser, 1910

*1910. *Vampyravus orientalis* Schlosser, Zool. Anz., 35: xxx. Type locality: Egypt: Fayum: Jebel Qatrani Formation. Holotype: SMNS unnumbered. - Comments: This is a fossil form from Egypt's Lower Oligocene, of which the type (the right humerus) is in the collection of the SMNS. (Current Combination)
1911. *Provampyrus orientalis* Schlosser, Beitr. Paläont. Geol. Öst.-Ung.. (Name Combination)

TAXONOMY:
Gunnell *et al.* (2008: 5) indicate that the holotype is from an unknown horizon in the Jebel Qatrani Formation. The humerus resembles in size to *Rousettus aegyptiacus* (49 mm) and could possible represent the same taxon as *Philisis sphingis*, only known from teeth. Bown *et al.* (1982: 624) include this taxon in the "*Phyllostomatidae*?".

Subfamily Vespertilioninae Gray, 1821

*1821. *Vespertilioninae* Gray, London Med. Repos., 15: 299. Publication date: 1 April 1821. (Current Combination)
1865. *Nyctophilinae* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 1865: 524. - Comments: Type genus: *Nyctophilus* Leach, 1821. Considered a valid subfamily by Hall and Kelson (1959: 201) [including *Antrozous*], Corbet and Hill (1992: 156), but see Hoofer and Van Den Bussche (2003: 1), who reject this (actually Peters uses "Nyctophili").
1865. *Vespertiliones* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 1865: 524.
2018. *Vespertilininae:* Foord, Swanepoel, Evans, Schoeman, Erasmus, Schoeman, Keith, Smith, Mauda, Maree, Nembudani, Dippenaar-Schoeman, Munyai and Taylor, PLoS ONE, 13(5): e0194336: 6. Publication date: 8 May 2018. (Lapsus)

TAXONOMY:
Bronner *et al.* (2003) state that the classification of the subfamily Vespertilioninae was historically based on facial shortening and dental reduction characters (Miller, 1907), and augmented by bacula morphology (Hill and Harrison, 1987). Interrelationships among *Eptesicus* and *Pipistrellus* species have long been contentious and have for the most part remained unresolved. The principal character used to diagnose these genera was the presence (*Pipistrellus*) or absence (*Eptesicus*) of the anterior upper premolar. However, this character is variable in both genera Wallin, 1969; Koopman, 1975; Heller and Volleth, 1984). Baculum morphology (Heller and Volleth, 1984; Hill and Harrison, 1987) and karyological properties (Heller and Volleth, 1984; Zima and Horácek, 1985) also vary markedly among species assigned to *Pipistrellus* using dental characters. Heller and Volleth (1984) concluded that the genus *Eptesicus* is characterised by a distinct karyotype of 2*n* = 50, and removed those taxa with 2*n* = >44 (*E. capensis* and some Australian species) from *Eptesicus* to *Pipistrellus*, a treatment they considered consistent with patterns of variation in baculum morphology.

After extensively reviewing variation in baculum morphology, Hill and Harrison (1987) divided *Pipistrellus* into seven subgenera. They transferred *anchietae* (see Kock (2001c: 246) for justification of spelling) to the subgenus *Hypsugo* and four African species of *Eptesicus* (*capensis, melckorum, zuluensis* and *rendalli*) to the subgenus *Neoromicia* within *Pipistrellus*. *Hypsugo* was subsequently raised to generic rank on the basis of detailed morphological and biochemical analyses (Horácek and Hanák, 1986; Ruedi and Arlettaz, 1991), a treatment supported also by cytogenetic evidence showing radical reorganization of the genome and karyotypic evolution in *H. anchietae* (Kearney *et al.*, 2002). Most of the other (extralimital) subgenera were subsequently also awarded full genus status, with the exception of *Pipistrellus* and *Neoromicia*. McBee *et al.* (1987) and Morales *et al.* (1991) provided further cytogenetic and electrophoretic evidence supporting the findings of Heller and Volleth (1984), but argued that further studies were needed to justify the inclusion of these species in *Pipistrellus*. Koopman (1993a), therefore, recognised *Neoromicia*, but retained it as a subgenus of *Eptesicus*.

Volleth and Heller (1994) subsequently published more karyotypic evidence supporting the inclusion of *Neoromicia* within *Pipistrellus*, a treatment formalised by Koopman (1994). Most recently, Volleth *et al.* (2001) showed that the four African species included in *Neoromicia* (*capensis, nanus, rendalli* and *zuluensis*) display karyotypic synapomorphies typical of the Vespertilionini, in contrast to the other African *Pipistrellus* that show cytogenetic traits characteristic of the Pipistrellini. *Neoromicia* should thus be elevated to full generic rank to avoid recognising a paraphyletic *Pipistrellus*. Cladistic analysis of chromosomal data (showing that the four *Neoromicia* species also share three Roberstonian fusions), and of baculum characters in southern African species, provide additional support for recognising *Neoromicia* as a distinct genus (Kearney *et al.*, 2002). Consequently, the genus *Eptesicus* in southern Africa is represented by only one species, namely *E. hottentotus*.

Using digenomic DNA, Roehrs *et al.* (2010: 1073) were able to distinguish 6 tribes in the Vespertilioninae: Antrozoini, Lasiurini, Scotophilini, Vespertilionini, and 2 new unnamed tribal clades, the perimyotine group and the hypsugine group. They were unable to confirm a Nycticeiini-Eptesicini group, nor were they able to separate the Plecotini.

COMMON NAMES:
Czech: praví netopýři.

PARASITES:
Nycteribiidae: *Nycteribia tecta* Theodor, 1957 (Haeselbarth *et al.*, 1966: 110 as *Eptesicus sp.*).

SIPHONAPTERA
Ischnopsyllidae: *Dampfia grahami* (Waterston, 1915) collected in the Free State and KwaZulu Natal, South Africa where the host is assumed to belong to the genus *Eptesicus* now possibly referring to *Neoromicia* (Haeselbarth *et al.*, 1966: 187).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Cameroon, Djibouti, Madagascar, Niger, Senegal, South Africa, Zimbabwe.

Genus ***Barbastella*** Gray, 1821

*1821. *Barbastella* Gray, London Med. Repos., 15: 300. Publication date: 1 April 1821. - Comments: Type species: *Vespertilio barbastellus* Schreber, 1774. - Etymology: From Latin "*barba*" meaning bearded and "*stella*" meaning star (see Rydell and Bogdanowicz, 1997: 5). (Current Combination)
1829. *Barbastellus* Kaup, Skizzierte Entwicklungs-Geschichte Natürliche Systematik der Europäische Thierwelt, 1: ???. Publication date: 1829.
1839. *Synotus* Keyserling and Blasius, Arch. Naturgesch. Berlin, 5 (1): 305. Publication date: 1839. - Comments: Type species: *Vespertilio barbastellus* Schreber, 1774. - Etymology: From the Greek "*σύν*", meaning together and "*οὐς*" or "*ὠτός*", meaning ear (see Palmer, 1904: 657).

TAXONOMY:
See Simmons (2005).

Known species of the genus *Barbastella*: ***barbastellus*** (Schreber, 1774); ***leucomelas*** (Cretzschmar, 1826).

COMMON NAMES:
Czech: dasíci, strostlouchové, saukušanové, širokouší ušanové, netopýři širokouší. English: Barbastelle Bats, Barbastelles. French: Barbastelles. German: Mopsfledermäuse.

Barbastella barbastellus (Schreber, 1774)

*1774. *Vespertilio barbastellus* Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, 1 (8): pl. 55 + 1 (9): 168. Publication date: 1774. Type locality: France: Burgundy. - Etymology: From Latin "*barba*" meaning bearded and "*stella*" meaning star (see Rydell and Bogdanowicz, 1997: 5).
1838. *Barbastellus communis* Gray, Mag. Zool. Bot., Edinburgh, 2 (12): 495. Publication date: 1 February 1838. Type locality: Burgundy and Germany. - Comments: Renaming of *V. barbastellus* Schreber, 1774.
1985. *Vespertilio barbestellus:* Qumsiyeh, Spec. Publ. Mus. Texas Tech. Univ., 23: 63. (Lapsus)
2002. *Barbastella barbastellus guanchae* Trujillo, Ibáñez and Juste, Rev. suisse Zool., 109 (3): 544, , figs. 1- 2. Publication date: September 2002. Type locality: Canary Islands (Spain):

Tenerife island: La Guancha: "Barranco de La Cantera" [300 m] [Goto Description]. Holotype: MNH 109: ad ♂. Collected by: Domingo Trujillo; collection date: 1 September 1987. Paratype: EBD MAM 16024: Collected by: Domingo Trujillo, Carlos J. Ibáñez Uargui and E. Barone; collection date: 15 - 20 September 1987. Agulo, La Gomera Island. Paratype: EBD MAM 16028: Collected by: Domingo Trujillo, Carlos J. Ibáñez Uargui and E. Barone; collection date: 15 - 20 September 1987. Agulo, La Gomera Island. Paratype: MNH 110: Collected by: Domingo Trujillo, Carlos J. Ibáñez Uargui and E. Barone; collection date: 15 - 20 September 1987. Agulo, La Gomera island. Paratype: MNH 111: Collected by: Domingo Trujillo, Carlos J. Ibáñez Uargui and E. Barone; collection date: 15 - 20 September 1987. Agulo, La Gomera island. - Comments: MNH = Museo de La Naturaleza e El Hombre, Santa Cruz de Tenerife, Spain. Trujillo *et al.* (2002) mention 4 paratypes, EBD 16024, 16028, MNH 111, 110; 3 ♀♀ + 1 ♂ from Agulo, La Gomera Island, collector Domingo Trujillo, Carlos Ibáñez & E. Barone, 15-20 September 1987).

? *Barbastella barbastellus:* (Name Combination, Current Combination)

TAXONOMY:
Does not include *leucomelas*, see Rydell and Bogdanowicz (1997: 1, Mammalian Species, 557); but see Qumsiyeh (1985) and Horácek *et al.* (2000: 133), although the latter authors still consider *leucomelas* to be a valid species.
The population from the Canary Islands is at present regarded as an endemic subspecies *B. b. guanchae* (Trujillo *et al.*, 2002). Western Mediterranean and Canary Island forms reviewed by Juste *et al.* (2003).

COMMON NAMES:
Basque: Baso-saguzar arrunt. Catalonian (Spain): Rat penat de bosc. Croatian: Širokouhi mracnjak. Czech: dasík černý, ušan širokouchý, srostlouch, netopýr černý, netopýr mopsličí, saukušan. Danish: Bredøret flagermus. Dutch: Mopsvleermuis, Westelijke mopsvleermuis, Dwarsoorvleermuis. English: Barbastelle, Western Barbastelle Bat, Western Barbastelle, Common Barbastelle, Barbastelle bat. French: Barbastelle d'Europe, Barbastelle, Barbastelle Commune, Barbastelle occidentale. Gallician (Spain): Morcego das fragas. German: Mopsfledermaus. Hungarian: pisze denevér, Piszedenevér, Nyugati piszedenevér, Nycteris i mikromolossos. Italian: Barbastello. Polish: mopek. Portuguese: Morcego-negro. Roman: Barbastel ureglio lada. Rumanian: Liliac-cârn. Russian: Европейская широкоушка, (Evropejskaya shirokoushka). Slovakian: Uchana cierna. Spanish (Castillian): Barbastela, Murciélago de bosque. Swedish: Barbastell. Ukrainian: Широковух європейський.

CONSERVATION STATUS:
Global - Listed as Near Threatened (NT ver 3.1 (2001)) (approaching A4c), as it is suspected that population declines will approach 30 % over a 15 year period including both the past and the future. Although this species has a large range, it is generally rare, occurring in low density and numbers. It is mainly sedentary. The population is fragmented and linked to particular kinds of old forest habitats, which are declining. The species does not easily colonise new areas. Declines are widely reported in most of its range with a few exceptions in recent years. The status of this species is linked to forestry practices and the decline in the number of old trees (one colony may use up to 30 old trees with holes each summer season). Has specific habitat and diet requirements (Hutson *et al.*, 2008b; IUCN, 2009).

Assessment History -
2008 - NT ver 3.1 (2001) (Hutson *et al.*, 2008b; IUCN, 2009). 1996 - VU A2c ver 2.3 (1994).

It is protected by national legislation in most range states. There are also international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern Convention where these apply. It is included in Annex II (and IV) of EU Habitats and Species Directive, and hence requires special measures for conservation including designation of Special Areas for Conservation. Some habitat protection through Natura 2000.

MAJOR THREATS:
Loss of old mature woodland and ancient trees with loose bark or wood crevices (reforested areas are not suitable for this species); disturbance and loss of underground habitats, disturbance and loss of roost sites in older buildings (Hutson *et al.*, 2008b; IUCN, 2009). In Germany, habitat loss and fragmentation (caused by inter alia infrastructure development, forestry, and the renovation or demolition of old buildings used as roost sites), and disturbance (e.g. from cave tourism) are major threats (Schulenberg, 2005); accidental mortality (roadkill) is also a problem (Rudolph *et al.*, 2003).

CONSERVATION ACTIONS:
Hutson *et al.* (2008b) [in IUCN (2009)] indicate that research is underway to establish conservation requirements for this species. Recommendations

include adopting forestry practices that maintain old trees in sufficient numbers.

GENERAL DISTRIBUTION:
Barbastella barbastellus is largely restricted to central and southern Europe, although its range extends into the Caucasus, Anatolia, Morocco (North Africa) and the Canary Islands (La Gomera and Tenerife only). It has recently been recorded from Iran on the Arabian Peninsula. It occurs to 1,800 m in the Alps (Spitzenberger, 2002), 1,900 m in the Caucasus and 2,260 m in the Pyrenees (Mitchell-Jones *et al.*, 1999).

Native: Andorra; Armenia; Austria; Azerbaijan; Belarus; Bosnia and Herzegovina; Bulgaria; Croatia; Czech Republic; Denmark; France; Georgia; Germany; Greece; Holy See [Vatican City State]; Hungary; Iran (Benda *et al.*, 2008b) [in Karami *et al.*, 2009: 69]); Ireland; Italy (Sardegna, Sicilia); Latvia; Liechtenstein; Lithuania; Luxembourg; Macedonia, the former Yugoslav Republic of; Moldova; Monaco; Montenegro; Morocco (Benda *et al.*, 2010a: 158; Rebelo *et al.*, 2012: 2763; El Ibrahimi and Rguibi Idrissi, 2015: 364); Netherlands; Poland; Portugal; Romania; Russian Federation; San Marino; Serbia; Slovakia; Slovenia; Spain [Baleares, Canary Is.]; Sweden; Switzerland; Ukraine; United Kingdom.

Presence uncertain: Norway; Senegal; Turkey.

ECHOLOCATION:
Walters *et al.* (2012: suppl.) report the following figures for 28 calls from bats from France, Slovenia, Switzerland and the UK: duration: 3.57 ± 1.84 msec, F_{max}: 43.23 ± 8.31 kHz, F_{min}: 28.87 ± 3.18 kHz, bandwidth: 14.36 ± 8.29 kHz, F_{peak}: 35.48 ± 4.32 kHz.
Barataud (2011: 95) indicates that Barbastelles alter their echolocation signals to mislead their prey, which primilary consists of tympanic moths. He reports (p. 96) two sets of data from France:
A) F_{start}: 37.5 ± 1.8 kHz, F_{end}: 27.6 ± 1.1 kHz, F_{peak}: 34.5 ± 1.5 kHz, bandwidth: 9.8 ± 2.0 kHz, duration: 3.2 ± 0.9 msec, interpulse interval: 82.6 ± 40.2 msec (based on 18 calls);
B) F_{start}: 45.5 ± 2.1 kHz, F_{end}: 34.2 ± 4.0 kHz, F_{peak}: 43.1 ± 2.3 kHz, bandwidth: 11.3 ± 3.8 kHz, duration: 5.9 ± 2.5 msec, interpulse interval: 58.5 ± 8.4 msec (based on 17 calls).
These calls are alternately emitted. The interval between type A and type B calls was 58.5 ± 8.4 msec, and between type B and type A 82.6 ± 40.2 msec.

MOLECULAR BIOLOGY:
DNA - See García-Mudarra *et al.* (2009).
Karyotype - Capanna (1968: 624) reported 2*n* = 32. Rushton (1970: 463) reported 2 *n* = 32, FN = 50, X = metacentric, Y = minute. Arslan and Zima (2014: 14) mention 2*n* = 32, FNa = 50, FN = 54, a metacentric X and an acrocentric Y.

MIGRATION:
Movements up to 290 km in Austria (Kepka, 1960).

DIET:
Andreas *et al.* (2012: 81) indicate that, in the Czech Republic, this bat's main food source are larger species of moths. At the end of Autumn (November) the bats switched to smaller preys (e.g. *Operophtera brumata*, wingspan <= 30 mm) as the larger species were no longer flying around. These findings confirmed that *B. barbastellus* is primarily an aerial hawking species.

POPULATION:
Structure - See Hutson *et al.* (2008b) and IUCN (2009) for information on European populations.
Density - See Hutson *et al.* (2008b) and IUCN (2009) for information on European populations.
Trend - 2008 - Decreasing (Hutson *et al.*, 2008b; IUCN, 2009).

In Africa, population size and trends are unknown (Hutson *et al.*, 2008b; IUCN, 2009).

VIRUSES:
Despite sampling and testing of 35 individuals of this species, no evidence of influenza A-like viruses (Orthomyxoviridae) were obtained (Fereidouni *et al.*, 2015).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Morocco, Spain.

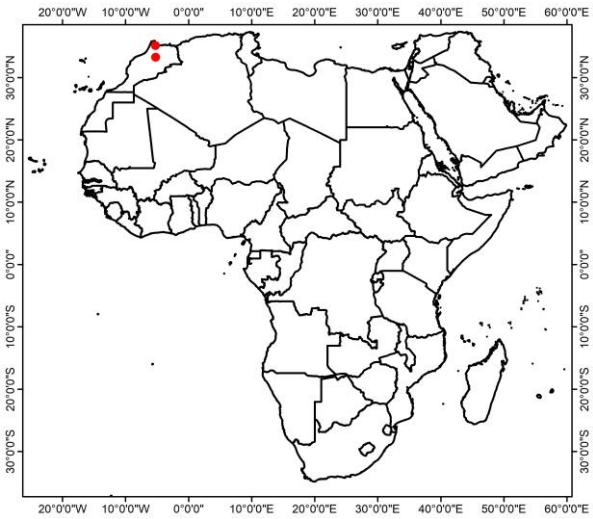

Figure 267. Distribution of *Barbastella barbastellus*

Barbastella leucomelas (Cretzschmar, 1826)

*1826. *Vespertilio leucomelas* Cretzschmar, in: Rüppell, Atlas Reise Nördlichen Afrika, Zoologie Säugethiere, 1: 73, pl. 28b [Goto Description]. Lectotype: SMF 4373: mounted skin and skull. Collected by: Wilhem Peter Edward Simon Rüppell; collection date: 1860; original number: II.M.1.a. See Mertens (1925: 21). - Comments: For an extensive discussion on the type locality see Benda *et al.* (2008f: 50 - 54), who conclude: "From the Rüppell's (1829) descriptions and according to his traveling schedule, it is fully clear, that in his concept the 'Arabia Petraea' represent 'the area of the Sinaitic peninsula to the south of the connecting line between the towns of Suez and Aqaba', as pointed out above, see also Fig. 52. Since it seems to be appropriate to consider localities given by Cretzschmar to be in accordance with those given by the collector, with the above 'area' is most convenient to associate the type locality of the species Vespertilio leucomelas Cretzschmar, 1830 = Barbastella leucomelas (Cretzschmar, 1830). In this area the type series lectotype: SMF II.M.1.a = SMF 4343; paralectotype: SMF II.M.1.b = SMF 12393; Mertens (1925), Kock (1969a) was collected in 1822 and/or 1826."
Benda and Mlíkovský (2008: 36) mention "Several authors believed that the name *Vespertilio leucomelas* was published in 1826, i.e. in the year when "Rüppell's Atlas" (see Cretzschmar, 1826) begun to be issued. According to Mertens (1925: 19), the sheets 18-19 associated with Tables 27-30 of Cretzschmar (1826-1830), containing also the description of *V. leucomelas* (sheet 18 and Table 28, respectively), were published in 1830 (see also Kock, 1969a, Corbet and Hill, 1992, Bates and Harrison, 1997, and/or Rydell and Bogdanowicz, 1997).". - Etymology: From the Greek "leucos" and "melas".

? *Barbastella barbastellus leucomelas:* (Name Combination)

? *Barbastella leucomelas:* (Name Combination, Current Combination)

TAXONOMY:
Included in *barbastellus* by Kock (1969a: 176). Horácek *et al.* (2000: 133 - 134) indicate that western *leucomelas* might be conspecific with *barbastellus*, but still retain it as a valid species. If both are conspecific, the correct name for the eastern Barbastelle would be *Barbastella darjelingensis* Hodgson, in Horsfield, 1855. Zhang (2007: 1393) indicate that *leucomelas* from Sichuan, Taiwan, and Japan is different from the Egyptian one, and should therefore not be considered conspecific.

COMMON NAMES:
Czech: dasík arabský (netopýr skalní). Dutch: Arabische mopsvleermuis. English: Eastern Barbastelle, Eastern Barbastelle Bat, Arabian barbastelle, Sinai Barbestelle, Asiatic Barbastelle, Asian Barbastelle. French: Barbastelle orientale. German: Östliche Mopsfledermaus. Russian: Азиатская широкоушка [= Aeiatskaya shirokouchka];

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)), although it seems to be rare, it is very widespread and is unlikely to be declining fast enough to qualify for listing in a more threatened category (Benda *et al.*, 2008b; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Benda *et al.*, 2008b; IUCN, 2009).
It is included in Eurobats (Bonn Convention) and so should be protected in party range states (e.g. Georgia).
1996 - Lower Risk/least concern.

MAJOR THREATS:
More information is needed regarding threats to this species throughout its range. In South Asia (India, Nepal, and Pakistan) deforestation has decreased the area and quality of the species' habitat. Activities associated with war may be a threat to this species in all parts of its western Palaearctic range (damage and disturbance to caves and old buildings, disruption to habitat) (Benda *et al.*, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Further surveys and monitoring are needed for this species to determine the current population status, range and major threats (Benda *et al.*, 2008b; IUCN, 2009).
It probably occurs in several protected areas throughout its range (Benda *et al.*, 2008b; IUCN, 2009).

GENERAL DISTRIBUTION:
Barbastella leucomelas is a very widespread species. The main distribution occurs from the Caucasus eastwards including Iran, Afghanistan and India, and onwards to China where it is known from the provinces of Yunnan, Sichuan, Gansu, Shanxi, Qinghai, Nei Mongol, Xinjiang and Taiwan (Smith and Xie, 2008). It is also widespread in

Japan. There are isolated populations also known from Sinai (Egypt) and the southern tip of Israel, as well as Eritrea in North Africa (Benda *et al.*, 2008b). It occurs up to 2,500 m asl.

Specimens from India, China and Taiwan are removed (Zhang, 2007: 1401).

Native: Afghanistan; Armenia; Azerbaijan; Bhutan; China; Egypt (Sinai); Eritrea; Georgia; India (Himachal Pradesh, Jammu-Kashmir, Meghalaya, Sikkim, Uttar Pradesh, West Bengal); Iran, Islamic Republic of; Israel; Japan; Jordan (Benda *et al.*, 2010b: 185), Kyrgyzstan (Shaimardanov, 2007: 34); Nepal; Pakistan; Russian Federation; Saudi Arabia; Taiwan, Province of China; Tajikistan; Turkmenistan; Uzbekistan.

ECHOLOCATION:
In Jordan, Benda *et al.* (2010b: 204) recorded three different types of calls, which they called A, A2, and B. These calls had the following parameters:
A: Start frequency: 37.1 ± 1.3 (34.9 - 40.3) kHz, End frequency: 29.2 ± 1.1 (27.7 - 31.8) kHz, Peak frequency: 33.8 ± 1.0 (32.7 - 36.0) kHz, Pulse duration: 2.9 ± 0.4 (1.9 - 3.5) msec, and Inter-pulse duration: 76.8 ± 39.3 (50.5 - 146.0) msec.
A2: Inter-pulse duration: 125.8 ± 30.5 (94.0 - 201.0) msec.
B: Start frequency: 44.1 ± 0.5 (43.0 - 45.0) kHz, End frequency: 34.3 ± 2.9 (29.8 - 38.5) kHz, Peak frequency: 42.7 ± 1.3 (40.0 - 44.2) kHz, Pulse duration: 13.0 ± 4.2 (6.9 - 17.6) msec, and Inter-pulse duration: 52.6 ± 6.4 (43.0 - 65.0) msec.

In Israel, *B. leucomelas* alternates between two call types (Hackett *et al.*, 2016: 223, 225): type I (8 calls): Pulse duration: 1.81 ± 0.11 msec, F_{start}: 35.85 ± 0.71 kHz, F_{end}: 29.70 ± 0.53 kHz, F_{peak}: 33.20 ± 0 kHz. Type II (6 calls): Pulse duration: 4.62 ± 0.40 msec, F_{start}: 43.90 ± 0 (43.8 - 44.0) kHz, F_{end}: 32.33 ± 2.67 (29.1 - 35.2) kHz, F_{peak}: 39.83 ± 0.75 (38.9 - 41.1) kHz.

ROOST:
It roosts in caves, tunnels, crevices, old buildings, mines, tree hollows, and can be found beneath bark (Benda *et al.*, 2008b).

POPULATION:
Structure - It is a sedentary insectivore, with 3 - 8 females in nursery colonies, with females normally living separately to males (Benda *et al.*, 2008b).
Density - Considering its wide range there seems to be little information available about the population of this species. Within its range in Africa the population size and trends are currently unknown. In Southwest Asia, it is considered to be rare and is poorly known. In 2005, the species was found in Sinai (Egypt) in surveys for the first time in 180 years (D. Kock *pers. comm.,* in Benda *et al.*, 2008b). For the former Soviet Union, the species is listed in the second edition of the Red Book of the USSR (1984) as Rare but was considered to be "least concern" (K. Tsytsulina *pers. comm.,* in Benda *et al.*, 2008b). In Japan, it has been observed only rarely except in Hokkaido. In the past 30 years there have also been records from the prefectures of Iwate, Saitama, Gifu and Ehime (Abe *et al.*, 2005).
Trend - 2008 - Unknown (Benda *et al.*, 2008b; IUCN, 2009).

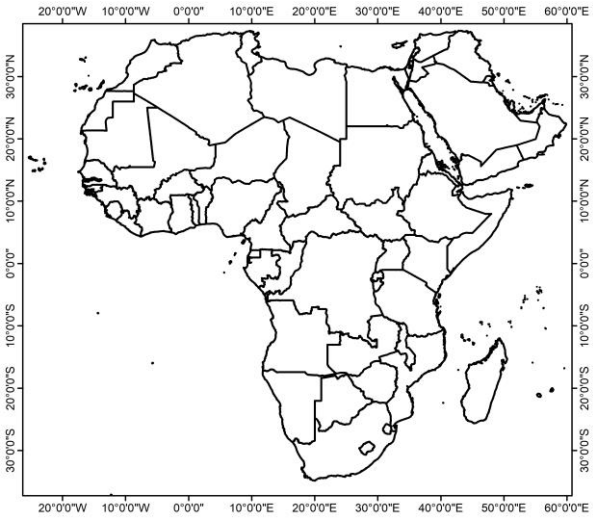

Figure 268. Distribution of *Barbastella leucomelas*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Egypt.

Genus ***Eptesicus*** Rafinesque, 1820

*1820. *Eptesicus* Rafinesque, Annals of nature or annual synopsis of new genera and species of animals, plants &c. discovered in North America, 2. Publication date: 1 March 1820 [Goto Description]. - Comments: Type species: *Eptesicus melanops* Rafinesque, 1820 (=*Vespertilio fuscus* Beauvois, 1796). - Etymology: From the Greek "*επτην*" (aor. of "*πέτομαι*"), meaning to fly or flying and "*οίκος*", meaning house (house flier) (see Palmer, 1904: 268; Flannery, 1995a: 367; Kozhurina, 2002: 15; Álvarez-Castañeda and Álvarez Solórzano, 1996: 43). Braun and Mares (1995: 179) state: "*eptesicus* (NL), a name coined by Rafinesque that he said he derived from *epien* (Greek), to fly + *oikos* (Greek), house (Palmer, 1904; Gotsch, 1979). However, the correct Greek word would more likely be

eptén, which means "I flew".".

1829. *Cnephæus* Kaup, Skizzierte Entwicklungs-Geschichte Natürliche Systematik der Europäische Thierwelt, 1: 103. Publication date: 1829. - Comments: Type species: *Vespertilio serotinus* Schreber, 1774. Considered a valid subgenus by Hoofer and Van Den Bussche (2003: 38), including *serotinus* and *hottentotus*.

1837. *Noctula* Bonaparte, Iconografia Fauna italiana, 1, fasc. 21 [Goto Description]. - Comments: Type species: *Noctula serotina*: Bonaparte (=*Vespertilio serotinus* Schreber, 1774). Allen (1939a: 92) mentioned it in the genus *Nyctalus*, but referred to a publication from 1841. - Etymology: From the French noctule, common name of a bat, which in turn comes from the Latin "*nox*" or "*noctis*", meaning night (see Palmer, 1904: 460).

1839. *Vesperugo* Keyserling and Blasius, Arch. Naturgesch. Berlin, 5 (1): 312. Publication date: 1839. - Comments: In part (see Allen, 1939a: 92; Pavlinov *et al.*, 1995: 104). Included 13 species now referred to *Eptesicus, Pipistrellus, Neoromicia, Hypsugo*.

1839. *Vesperus* Keyserling and Blasius, Arch. Naturgesch. Berlin, 5 (1): 313. Publication date: 1839. - Comments: In part (see Allen, 1939a: 84; Pavlinov *et al.*, 1995: 112). Allen (1939a: 84) assigned it to Dobson, Cat. Chiropt. Brit. Mus., p. 184, 1878. Not of Latreille: see Cabrera (1914: 129). Allen (1894: 111 - 112) mentions that Mr. F.W. True has called his attention to the fact that the *Vesperus* of Keyserling and Blasius, 1840, is antedated by *Vesperus* of Dejean, 1821. The latter was a *nomen nudum* until 1829, when it was taken up by Latreille and described. The *Vesperus* of Keyserling and Blasius is, therefore, untenable. *Vesperus* is valid only in Latreille, 1829 (Coleoptera, Cerambycidae).

1856. *Cateorus* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (2): 131. Publication date: 1856. - Comments: Type species: *Vespertilio serotinus* Schreber, 1774. - Etymology: From the Greek "*κατήορος*", meaning hanging down, referring to the position of the animal when at rest (see Palmer, 1904: 163).

1856. *Meteorus* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (2): 131. Publication date: 1856. - Comments: Mentioned by Allen (1939a: 83) as "in part". Included with a question mark in the synonymy of *Eptesicus* by Pavlinov *et al.* (1995: 112). - Etymology: From the Greek "*μετέωρ*", meaning meteor, referring to the flight (see Palmer, 1904: 419).

1858. *Amblyotus* Kolenati, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 29: 252. Publication date: 1858. - Comments: Type species: *Amblyotus atratus* Kolenati, 1858 (=*Vespertilio nilssonii* Keyserling and Blasius, 1839). Considered a valid subgenus by Pavlinov *et al.* (1995: 112). However, based on mtDNA analyses, Artyushin *et al.* (2009: 40) doubt the validity of *Amblyotis* as a subgenus.

1863. *Aristippe* Kolenati, Beitrage zur Kenntniss der Phthiriomyiarien, Petersburg. - Comments: (in part).

1866. *Pachyomus* Gray, Ann. Mag. nat. Hist., ser. 3, 17 (98): 90. Publication date: 1 February 1866. - Comments: Type species: *Scotophilus pachyomus* Tomes, 1857 (=*Vespertilio serotinus* Schreber, 1774). - Etymology: From the Greek "*παχύς*", meaning thick and "*ώμος*", meaning shoulder referring to the specific name of the type species (see Palmer, 1904: 494).

1870. *Nyctiptenus* Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 62 (1): 424. - Comments: Type species: *Vespertilio smithii* Wagner, 1855 (=*Vespertilio hottentota* A. Smith, 1833). - Etymology: From the Greek "*νύξ*" or "*νυκτός*", meaning night and "*πτήν*" or "*πτηρόν*", meaning winged referring to to winged nocturnal creature (see Palmer, 1904: 467).

1892. *Adelonycteris* H. Allen, Proc. Acad. nat. Sci. Philad., 43: 466 (for 1891). Publication date: 19 January 1892. - Comments: Allen (1939a: 84) mentioned it "in part; substitute for *Vesperus*, preoccupied". Ellerman and Morrison-Scott (1951: 153), Hall and Kelson (1959: 184) and Hall (1981: 213) stated that it is a renaming of *Vesperus* Keyserling and Blasius, 1839, which included part of both *Vespertilio* and *Eptesicus* and which is an homonym of *Vesperus* Latreille, 1829, an insect.

1906. *Rhinopterus* Miller, Proc. Biol. Soc. Wash., 19: 85. Publication date: 4 June 1906 [Goto Description]. - Comments: Type species: *Glauconycteris floweri* de Winton, 1901. The date mentioned on the publication is 4 June 1906, although in many cases 23 July 1906 is found as publication date.

1917. *Pareptesicus* Bianchi, Ann. Mus. zool. Acad. Impér. Sci. St. Petersbourg, 21: lxxvii. - Comments: Type species: *Vesperugo pachyotis* Dobson, 1871.

1917. *Rhyneptesicus* Bianchi, Ann. Mus. zool. Acad. Impér. Sci. St. Petersbourg, 21: lxxvii. - Comments: Type species: *Vesperugo nasutus* Dobson, 1877.

1931. *Tuitatus* Kishida and Mori, Zool. Mag., Tokyo, 43: 372-391. - Comments: Nomen nudum (see Ellerman and Morrison-Scott, 1951: 153; Meester *et al.*, 1986: 56; Pavlinov *et al.*, 1995: 112).
1959. *Amblyotis:* Hall and Kelson, Mammals of North America, 1: 183. (Lapsus)
1959. *Nyctiptennis* Hall and Kelson, Mammals of North America, 1: 183.
1975. *Eptiscus:* Dean, Zool. Afr., 10: 218. (Lapsus)
1986. *Rhineptesicus:* Horácek and Hanák, Myotis, 23-24: 16. (Lapsus)
2017. *Eptisecus:* Ahmim, JOTT, 9 (1): 9723. Publication date: 26 January 2017. (Lapsus)
? *Cnephaeus:* (Current Spelling)
? *Eptesicus sp.:*

TAXONOMY:
Does not include *Neoromicia* Roberts, 1926, see Volleth *et al.* (2001), Kearney *et al.* (2002), and Hoofer and Van Den Bussche (2003).

Known species of the genus *Eptesicus*: *andinus* J. A. Allen, 1914 – Colombia, Ecuador, Peru, Venezuela, Amozonian Brazil (Simmons, 2005: 453); *bobrinskoi* Kuzyakin, 1935 - (Simmons, 2005: 453); ***bottae*** (Peters, 1869); *brasiliensis* (Desmarest, 1819) – Veracruz (Mexico) south to northern Argentina, Paraguay and Uruguay, Trinidad and Tobago (Simmons, 2005: 453); *chiriquinus* Thomas, 1920 – Costa Rica, Panama, Colombia, Ecuador, Peru, Venezuela, Guyana, French Guiana, Amozonian Brazil (Simmons, 2005: 454); *diminutus* Osgood, 1915 – Venezuela, eastern Brazil, Paraguay and northern Argentina (Simmons, 2005: 454); *dimissus* Thomas, 1916 – Peninsular Thailand, Nepal (Simmons, 2005: 454); ***floweri*** (de Winton, 1901); *furinalis* (d'Orbigny, 1847) – northern Argentina, Paraguary, Bolivia, Brazil and the Guinas east to Peru and north to Jalisco and Tamaulipas (Mexico); *fuscus* (Beauvois, 1796) – southern Canada to Colombia and northern Brazil, Greater Antilles, Bahamas, Dominica and Barbados (Lesser Antilles), Alaska (Simmons, 2005: 454); *gobiensis* Bobrinskii, 1926 – Iran, northern Afghanistan, Kashmir, Pakistan and Nepal, southern Russia, Mongolia (Simmons, 2005: 454); *guadeloupensis* Genoways and Baker, 1975 – Guadeloupe (Lesser Antilles) (Simmons, 2005: 455); ***hottentotus*** (A. Smith, 1833); *innoxius* (Gervais, 1841) – northwestern Peru, western Ecuador, Puna Isl (Ecuador) (Simmons, 2005: 455); ***isabellinus*** Temminck, 1840; *japonensis* Imaizumi, 1953 – Honshû Isl (Japan) (Simmons, 2005: 455); *kobayashii* Mori, 1928 – Korea (Simmons, 2005: 455); *nasutus* (Dobson, 1877) – Saudi Arabia, Oman, Yemen, Iraq, Iran, Afghanistan, Pakistan (Simmons, 2005: 456); *nilssonii* (Keyserling and Blasius, 1839) – western and eastern Europe to eastern Siberia and northwestern China, north beyond Artic Circle in Scandinavia, south to Bulgaria, Iraq, the Elburz Mtns (northern Iran), The Pamirs and western China (not Tibet), Korea, Hokkaido (Japan), Sakhalin Isl (Russia) (Simmons, 2005: 456); *pachyotis* (Dobson, 1871) – Bangladesh, northeastern India, Tibet (China), northern Burma, northern Thailand (Simmons, 2005: 456); ***platyops*** (Thomas, 1901); *serotinus* (Schreber, 1774) – western Europe through Turkey and southern Asiatic Russia to Himalayas, Thailand and China, north to Korea, Taiwan, south England, most islands in Mediterranean, possibility north Africa (Simmons, 2005: 456); *tatei* Ellerman and Morrison-Scott, 1951 – northeastern India (Simmons, 2005: 456).

COMMON NAMES:
Czech: večerní netopýři, podvečerníkové. English: Big-brown bats, Serotines, Greater Serotine Bats, Serotine Bats. French: Sérotines. German: Breitflügelfledermäuse.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Avery (2007: 619) reported on the presence of *Eptesicus* sp. in Pleistocene deposits at Wonderwerk Cave, South Africa.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Angola, Gabon, Kenya, Namibia, Senegal, Sudan, Tanzania, The Gambia, Zambia.

Eptesicus bottae (Peters, 1869)

*1869. *Vesperus Bottae* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 406. Type locality: Yemen: "Yemen": Restricted to W Yemen, between Al Hudayda, Ta'izz and Al Mukha, according to Karami *et al.* (2009: 70).. Holotype: MNHN ZM-MO-1987-297: ad, skull and alcoholic. Collected by: Dr. Paolo Emilio Botta; collection date: 1837. Number 212 in Rode (1941: 247). Rode (1941) mentions a male specimen, whereas Peters (1869a: 406) mentions a female. - Etymology: In honour of Paul-Emile Botta (1802 - 1870), who collected the type specimen (see Kozhurina, 2002: 14).
1887. *Vesperugo (Vesperus) Innesi* Lataste, Ann. Mus. civ. Stor. nat. Genova, ser. 2, 4 (O.S.

24): 625, 2 text-figs. Publication date: 25 July 1887. Type locality: Egypt: Cairo [30 03 N 31 15 E] [Goto Description]. Lectotype: BMNH 1919.7.7.3528: sad ♀, skull and alcoholic. Collected by: Dr. Walter F. Innes Bey; collection date: 1885. See Qumsiyeh (1985). Paralectotype: MSNG unknown: ♂. - Etymology: In honour of M. Walter Innes, curator of the Medical Museum, who collected the type specimens (see Lataste, 1887b: 628).

1891. *Vesperugo innesi:* Noack, Jb. Hamb. Wiss. Anst., 9: 139. (Name Combination)
1902. *Vespertilio innesi:* Anderson and de Winton, Zoology of Egypt: Mammalia, 121. (Name Combination)
1919. *E[ptesicus] innesi:* Thomas, J. Bomb. nat. Hist. Soc., 26: 746. (Name Combination)
1932. *Eptesicus innesi:* Flower, Proc. zool. Soc. Lond., 101: 382. (Name Combination)
1942. *Eptesicus [(Eptesicus)] bottae:* Tate, Bull. Am. Mus. Nat. Hist., 80: 275, 277. (Name Combination)
1955. *Eptesicus isabellinus innesi:* Sanborn and Hoogstraal, J. Egypt. Publ. Health Ass., 30 (4): xxx. (Name Combination)
1956. *Eptesicus isabellinus bottae:* Harrison, Proc. zool. Soc. Lond., 127: ???. (Name Combination)
1963. *E[ptesicus] bottae:* Harrison, Z. Säugetierk., 28 (1): 109. (Name Combination)
1964. *Eptesicus bottae bottae:* Harrison, Mammals of Arabia, 140. (Name Combination)
1964. *Eptesicus bottae innesi:* Harrison, Mammals of Arabia, 140. (Name Combination)
1964. *Eptesicus bottae:* Harrison, Mammals of Arabia, 140. (Name Combination, Current Combination)
1971. *Eptesicus [(Eptesicus)] bottae innesi:* Hayman and Hill, Mammals of Africa: Chiroptera, 45. (Name Combination)
1990. *Eptesicus (Eptesicus) bottae bottae:* Nader and Kock, Senckenb. biol., 79 (1/3): 2 (for 1989).
1994. *E[ptesicus (Eptesicus)] b[ottae] bottae:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 120. (Name Combination)
1994. *E[ptesicus (Eptesicus)] b[ottae] innesi:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 120. (Name Combination)

TAXONOMY:
Revised by Nader and Kock (1990). Ellerman and Morrison-Scott (1966: 156) considers *isabellinus* to be a synonym of this species rather than of *E. serotinus*.
Populations in Turkey and northern Syria (and possibly other areas) are considered by Felten (1971) and Benda *et al.* (2006) to be a separate species: *Eptesicus anatolicus* Felten 1971.

COMMON NAMES:
Czech: netopýr Bottův, netopýr Ogněvův. Dutch: Botta's vleermuis. English: Botta's Serotine, Botta's Serotine Bat. French: Sérotine de Botta. German: Bottas Breitflügelfledermaus.

CONSERVATION STATUS:
Global - The species as described has a relatively wide range. Although generally considered uncommon it is described as locally common in at least part of the range (Egypt). No major threats are known. Hence it is listed as Least Concern (LC ver 3.1 (2001)) (Aulagnier *et al.*, 2008d; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Aulagnier *et al.*, 2008d; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Benda and Juste, 2004; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Protected through Eurobats (Bonn Convention) and Bern Convention, and included in Annex IV of EU Habitats and Species Directive in the very small part of the range where these apply.

MAJOR THREATS:
The species requires ruins which are decreasing in number and can be disturbed by tourists (A. Karatas *pers. comm.,* 2007), however, this is not thought to be a major threat to the species as a whole at present (Aulagnier *et al.*, 2008d; IUCN, 2009). Bilgin *et al.* (2012: 434) predict that climatic change will result in a major range contraction for this species.

CONSERVATION ACTIONS:
Aulagnier *et al.* (2008d) [in IUCN (2009)] suggest that taxonomic work is required to determine if more than one species is involved here and what the ranges of these are, and what their population status is.

GENERAL DISTRIBUTION:
Eptesicus bottae is a Palaearctic species, occuring from the eastern Mediterranean around margins of Arabian Peninsula to Iraq, Iran and southern

Caucacus states; also central Asia to India, northwestern China and possibly Mongolia.

Native: Afghanistan; Armenia; Azerbaijan; Egypt (Sinai); Georgia; Greece (East Aegean Is.); India; Iran, Islamic Republic of; Iraq; Israel; Jordan; Kazakhstan; Kyrgyzstan; Lebanon; Oman; Pakistan; Palestinian Territory, Occupied; Saudi Arabia; Syrian Arab Republic; Tajikistan; Turkey; Turkmenistan; United Arab Emirates; Uzbekistan; Yemen.
Presence uncertain: Djibouti; Eritrea; Mongolia; Russian Federation; Somalia; Sudan.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

ECHOLOCATION:
Walters *et al.* (2012: suppl.) report the following figures for 26 calls (21 sequences) from bats from Egypt and Israel: duration: 8.35 ± 2.16 msec, F_{max}: 44.18 ± 6.90 kHz, F_{min}: 30.44 ± 1.10 kHz, bandwidth: 13.73 ± 6.25 kHz, F_{peak}: 33.47 ± 1.80 kHz.

In Jordan, the following parameters were reported by Benda *et al.* (2010b: 204) for 146 calls: F_{start} 53.6 ± 9.3 (37.9 - 83.0) kHz, F_{end}: 30.4 ± 1.5 (27.0 - 33.7) kHz, F_{peak}: 34.3 ± 1.8 (29.6 - 39.5) kHz, Pulse duration: 5.5 ± 1.3 (2.7 - 9.4) msec, and Inter-pulse interval: 123.6 ± 39.7 (52.0 - 241.0) msec.

Hackett *et al.* (2016: 223) reported on 147 calls from Israel: Pulse duration: 6.19 ± 1.51 msec, F_{start}: 42.63 ± 4.05 (38 - 51) kHz, F_{end}: 30.51 ± 1.21 (28.8 - 35.0) kHz, F_{peak}: 32.08 ± 1.29 (29.2 - 37.1) kHz.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Volleth *et al.* (2001) reported 2*n* = 50, FN = 48, BA = 0, a metacentric X chromosome and a metacentric Y chromosome for a male from Greece.
Protein / allozyme - Unknown.

DIET:
Hackett *et al.* (2013: 7) classify *E. bottae* as a background cluttered space aerial insectivore.
In the Dead Sea area of Israel Hymenoptera, Lepidoptera and Coleoptera form the most important groups of food items, whereas in Syria, Coleoptera were the prime food category, followed by Heteroptera and Auchenorrhyncha, and in Iran Hymenoptera (Formicoidea) (89 % volume) and Coleoptera (Scarabaeidae) were the most important food items, indicating that *E. bottae* is a flexible species feeding opportunistically especially on ants and beetles. (Benda *et al.*, 2012a: 387).

POPULATION:
Structure and Density - Reported to be locally common in Egypt, with colonies of up to 200 females being reported (African Mammal Assessment Workshop, 2004).
Trend - 2008 - Unknown (Aulagnier *et al.*, 2008d; IUCN, 2009). *Eptesicus bottae* populations within the Asia Minor and Levant region are unknown population trend, under predictive climate change scenarios (Bilgin *et al.*, 2012: 433).

ACTIVITY AND BEHAVIOUR:
In the Negev desert, Polak *et al.* (2011: 25) found that this species only passed through areas lighted by street lamps (flight speed: 9.25 ± 1.19 m/s), and never foraged there (contrary to *Pipistrellus kuhlii*. The flight speed during foraging in dark areas was 5.7 ± 1.3 m/s.

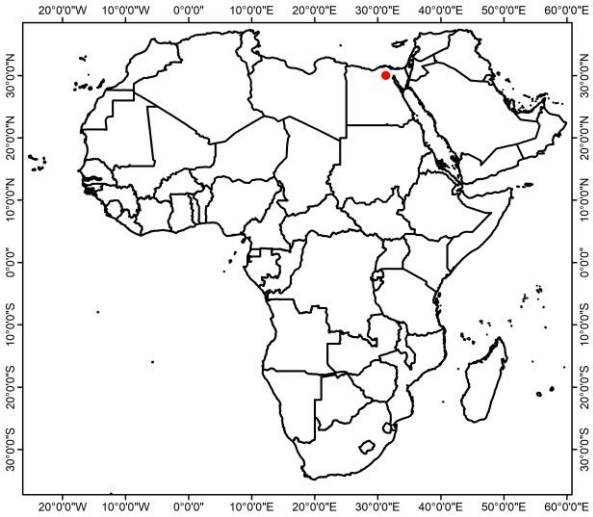

Figure 269. Distribution of *Eptesicus bottae*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Egypt, Yemen.

Eptesicus floweri (de Winton, 1901)

*1901. *Glauconycteris Floweri* de Winton, Ann. Mag. nat. Hist., ser. 7, 7 (37): 46. Publication date: 1 January 1901. Type locality: Sudan: 12 mi (18 km) S from Khartoum, on White Nile: Wad Marium [ca. 15 25 N 32 25 E] [Goto Description]. Holotype: BMNH 1903.2.7.14: ad ♂, skin and skull. Collected by: Mrs. Anderson and H.F. Witherby; collection date: 12 May 1900; original number: 35. - Comments: de Winton (1901b: 45) mentions Mr. H.F. Witherby as collector and the late Dr. John Anderson as aquirer.

1908. *S[cabrifer] floweri:* G.M. Allen, Bull. Mus. comp. Zool., 52 (3): 46. (Name Combination)
1915. *Rhinopterus lowei* Thomas, Ann. Mag. nat. Hist., 8, 15 (90): 559. Publication date: 1 June 1915. Type locality: Sudan: Blue Nile province: Sennaar, 20 mi (30 km) above [ca. 15 35 N 33 38 E, 450 m] [Goto Description]. Holotype: BMNH 1915.3.6.70: ad ♂, skull and alcoholic. Collected by: Willoughby P. Lowe; collection date: 13 December 1913.
1918. *Scabrifer floweri:* Wettstein, Denkschr. k. Akad. Wiss. Wien, Math.-Naturw. Kl., 94: 651. (Name Combination)
1939. *Rhinopterus floweri:* G.M. Allen, Bull. Mus. comp. Zool., 83: 97. (Name Combination)
1969. *Eptesicus (Rhinopterus) floweri:* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 166. (Name Combination)
1971. *Eptesicus (Rhinopterus) lowei:* Hayman and Hill, Mammals of Africa: Chiroptera, 45. (Name Combination)
1974. *Eptesicus floweri:* Seal and Makey, ISIS Mammalian Taxonomic Director, ???. (Name Combination, Current Combination)
? *Eptesicus (Rhinopterus) floweri lowei:* (Name Combination)

TAXONOMY:
Includes *lowei*; see Bræstrup (1935b: 92); but also see Hayman and Hill (1971).

COMMON NAMES:
Czech: netopýr Flowerův. English: Horn-skinned Pipistrelle Bat, Flower's Pipistrelle Bat, Horn-skinned Bat, Sudan Horn-skinned Bat, Lesser Sudan Horn-skinned Bat, Sudan Serotine, Horn-skinned Serotine. French: Sérotine de Flower, Sérotine du Soudan. German: Chagrin Fledermaus, Warzen-Breitflügelfledermaus.

CONSERVATION STATUS:
Global - Although this species is known mainly from isolated records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a broad range of non-threatened habitats, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008ah; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008ah; IUCN, 2009). 2004 - VU D2 ver 3.1 (2001) (Jacobs *et al.*, 2004at; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species (Jacobs *et al.*, 2008ah; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008ah) [in IUCN (2009)] report that there appear to be no direct conservation measures in place, and it is not known if the species is present within any protected areas. Further studies are needed into the distribution and natural history of this poorly known species.

GENERAL DISTRIBUTION:
Eptesicus floweri has been recorded from Mali (Timbuktu) and Sudan (all records within a 200-mile radius of Ed Dueim) and Mahmûdé Lake, Wilaya Hodh Ech Chargui in Mauritania.

Native: Mali (Koopman, 1975); Mauritania (Padial and Ibáñez, 2005: 240); Sudan (Bræstrup, 1935b; Koopman, 1975).

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

POPULATION:
Structure and Density - It is known from very few specimens.
Trend - 2008 - Stable (Jacobs *et al.*, 2008ah; IUCN, 2009).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

Figure 270. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1903.2.7.14, holotype of *Glauconycteris floweri* de Winton, 1901.

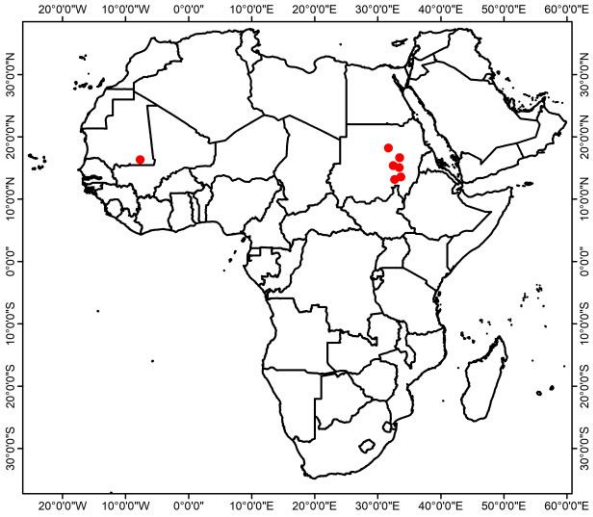

Figure 271. Distribution of *Eptesicus floweri*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Mauritania, Sudan.

Eptesicus hottentotus (A. Smith, 1833)

*1833. *Vespertilio Hottentota* A. Smith, S. Afr. Quart. J., ser. 2, 1 (2): 59. Publication date: November 1833. Type locality: South Africa: Cape province: Uitenhage [ca. 33 45 S 25 25 E] [Goto Description]. - Comments: Type locality restricted to Uitenhage (from Uitenhage and Albany) by Ellerman *et al.* (1953): see Meester *et al.* (1986: 57).

1835-1841. *Vespertilio megalurus* Temminck, Monographies de mammalogie ou description de quelques genres de mammifères, dont les espèces ont été observées dans les différens musées de l'Europe. Tome Seconde, 2: 206. Publication date: 1835 - 1841. Type locality: South Africa: "Interior of South Africa" [Goto Description]. - Comments: Type specimen: RMNH.

1849. *Vespertilio minutus* A. Smith, Illustrated Zoology of South African Mammals, pl. 51 and text. - Comments: Preoccupied by *Vespertilio minutus* Montagu, 1808 and *Vespertilio minuta* Temminck, 1840.

1855. *V[espertilio] Smithii* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 5: 747, footnote. Publication date: 28 September 1855. Type locality: South Africa: "South Africa".

1855. *Vespertilio (Vesperus) megalurus:* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 5: 747. (Name Combination)

1855. *Vespertilio smithii* Wagner, Supplementband 5. In: Schreber, J.C.D. von: Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen, 747 [Goto Description].

1860. *Cateorus megalurus:* Kolenati, Monographie der Europäischen Chiroptern, 20. (Name Combination)

1878. *Vesperugo (Vesperus) megalurus:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 199. (Name Combination)

1878. *Vesperugo (Vesperus) smithii:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 198. - Comments: Dobson (1878) considered it to be a synonym of *Vesperugo (Vesperus) capensis*. (Name Combination)

1887. *Vesperus megalurus:* Jentink, Mus. Hist. nat. Pays-Bas, Leyden, 275. (Name Combination)

1897. *Vesperugo (Eptesicus) megalurus:* Thomas, Proc. zool. Soc. Lond., 1896, IV: 791. (Name Combination)
1901. *Vespertilio (Eptesicus) megalurus:* Sclater, Mammals of South Africa, 123. (Name Combination)
1924. *E[pteisuc] smithii:* Roberts, Ann. Transv. Mus., 10: 60.
1931. *Eptesicus megalurus:* Hewitt, A guide to the Vertebrate fauna of the Eastern Cape Province, 23. (Name Combination)
1938. *Scotophilus angusticeps* Shortridge and Carter, Ann. S. Afr. Mus., 32 (4): 282. Publication date: July 1938. Type locality: South Africa: Western Cape province: 10 mi (16 km) N Citrusdal: Hex River Estate [33 30 S 19 35 E, 100 m] [Goto Description]. Holotype: KM 1984: ad ♀. Collected by: Captain Guy Chester Shortridge and T. Donald Carter; collection date: 28 December 1937; original number: 1937. Cotype: KM 1985: ad ♀. Collected by: Captain Guy Chester Shortridge and T. Donald Carter; collection date: 3 January 1938; original number: 3308.
1939. *Eptesicus smithii:* G.M. Allen, Bull. Mus. comp. Zool., 83: 87. (Name Combination)
1942. *Eptesicus megalurus pallidior* Shortridge, Ann. S. Afr. Mus., 36: 37. Type locality: South Africa: NW Cape province: Klein Namaqualand, Orange River: Goodhouse [ca. 28 54 S 18 15 E, 300 ft] [Goto Description]. - Comments: Holotype (ad F, orig nr. 1157) possibly in the collection of the BMNH or KM.
1946. *E[ptesicus] h[ottentotus] hottentotus:* Roberts, Ann. Transv. Mus., 20 (4): 305. (Name Combination)
1946. *Eptesicus hottentotus bensoni* Roberts, Ann. Transv. Mus., 20 (4): 305. Type locality: Malawi: Ncheu [=Ntcheu] [14 49 S 34 38 E, 1 100 m] [Goto Description]. Holotype: TM 9167: ad ♂, skin and skull. Collected by: Constantine ("Con") Walter Benson; collection date: 31 October 1939; original number: 94.
1951. *Eptesicus hottentotus angusticeps:* Roberts, Mammals of South Africa, 551. (Name Combination)
1951. *Eptesicus hottentotus hottentotus:* Roberts, Mammals of South Africa, 86. (Name Combination)
1951. *Eptesicus hottentotus pallidior:* Roberts, Mammals of South Africa, 86. (Name Combination)
1953. *Eptesicus (Eptesicus) hottentotus bensoni:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 76. (Name Combination)
1953. *Eptesicus (Eptesicus) hottentotus hottentotus:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 76. (Name Combination)
1953. *Eptesicus (Eptesicus) hottentotus pallidior:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 76. (Name Combination)
1953. *Eptesicus (Eptesicus) hottentotus:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 76. (Name Combination)
1954. *Eptesicus hottentotus:* Ellerman, Ann. Univ. Stellenbosch, 30 A (1): 32. (Name Combination, Current Combination)
1969. *Eptesicus serotinus hottentotus:* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 214. (Name Combination)
1986. *Eptesicus hottentotus portavernus* Schlitter and Aggundey, Cimbebasia, (A) 8 (20): 172, fig. 5. Publication date: 14 February 1986. Type locality: Kenya: Rift Valley province: Naivasha district: 20 km S, 14 km W Naivasha: Hell's Gate Canyon (=Njorowa Gorge) [00 54 S 36 19 E] [Goto Description]. Holotype: CM 89000: ad ♂, skin and skull. Collected by: Dr. Duane Albert Schlitter; collection date: 30 September 1985; original number: 6906. See Schlitter and Aggundey (1986: 172).
1986. *Eptesicus hottentotus protavernus:* Schlitter and Aggundey, Cimbebasia, (A) 8 (20): 174. (Lapsus)
1994. *E[ptesicus (Eptesicus)] h[ottentotus] portavernus:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 120. (Name Combination)
2003. *Eptesicus (Cnephaeus) hottentotus:* Hoofer and Van Den Bussche, Acta Chiropt., 5 (Suppl.): 38. (Name Combination)

TAXONOMY:

Figure 272. *Eptesicus hottentotus* (TM 48193) caught at Farm Schaapplaats, Free State, South Africa.

Revised by Schlitter and Aggundey (1986), who described a new subspecies from Kenya - *Eptesicus hottentotus portavernus*. Besides the nominate form and the newly described subspecies, their work recognised one other subspecies *E. h. bensoni* (Roberts, 1946), but not *E. h. pallidior* (Shortridge, 1942), which they synonomised with the nominate subspecies (Schlitter and Aggundey, 1986). Simmons (2005: 455) recognised the same subspecies. An analysis of specimens from southern Africa showed support for the synonomization of *E. h. pallidior*, but also indicated that either the subspecies delineation between *E. h. hottentotus* and *E. h. bensoni* is also not as distinct, or the distribution of *E. h. bensoni*, described from Malawi, requires revision (Kearney, 2005). Although the distribution of *E. h. bensoni* in Meester *et al.* (1986: 57) included parts of South Africa, as well as Mozambique, Zimbabwe and Malawi, Hayman and Hill (1971) listed only Malawi and Zambia, and the subspecies was not included in the list of mammals from South Africa by Roberts (1951, 1954). Included in the subgenus *Cnephaeus* by Hoofer and Van Den Bussche (2003: 38).

Based on mitochondrial and nuclear DNA analyses, Juste *et al.* (2013: 449) retain two subspecies: *R. h. hottentotus* and *R. h. pallidior*, but they only included material from South Africa.

COMMON NAMES:

Afrikaans: Langstert-dakvlermuis. Czech: netopýr hotentotský. English: Long-tailed Serotine Bat, Hottentot Serotine Bat, Long-tailed Greater Serotine Bat, Long-tailed House Bat, Hottentot bat. French: Sérotine hottentote, Sérotine des maisons à longue queue, Sérotine hottentote. German: Hottentotten-Breitflügel-fledermaus, Capische Trugfledermaus. Portuguese: Morcego caseiro Hottentot.

ETYMOLOGY OF COMMON NAME:

The colloquial name is derived from the fact that the tail of this species is much longer than in its sister taxa (see Smithers, 1983; Skinner and Smithers, 1990: 108; Taylor, 2005).

SIMILAR SPECIES:

Has been confused with *Scotophilus* (Roberts, 1946; 1951: 86; 1954: 86; Kearney and Seamark, 2004), although *E. hottentotus* has bicoloured hair and two upper incisors, while *Scotophilus* has single coloured hair and one upper incisor.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:

Butler (1978) reported as *Eptesicus* cf. *hottentotus* (Smith) from the early Pleistocene deposits at Olduvai. *E. hottentotus* was found from the upper Pleistocene at Border Cave and possibly the late Holocene at Nkupe, South Africa (Avery, 1991: 6). Further South African Pleistocene (Wonderwerk) and Holocene (Blinkklipkop) findings were reported by Avery and Avery (2011: 19).

CONSERVATION STATUS:

Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it occurs in a number of protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs and Cotterill, 2008a; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs and Cotterill, 2008a; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs and Cotterill, 2004a; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Watson *et al.*, 2016). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:

There appear to be no major threats to this species (Jacobs and Cotterill, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:

Jacobs and Cotterill (2008a) [in IUCN (2009)] indicate that *E. hottentotus* has been recorded from several protected areas in South Africa, and presumably is present in protected areas within other parts of the species range. Further studies are needed into the distribution of this species.

GENERAL DISTRIBUTION:

Eptesicus hottentotus is largely a Southern African species ranging from southern Angola in west, through parts of Namibia, South Africa, southern Lesotho, Botswana, Zimbabwe, Mozambique,

Malawi and Zambia, with a single record as far north as southwestern Kenya.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 813,384 km^2. In the RSA, its distribution is best predicted by geology (Babiker Salata, 2012: 50).

Native: Angola (Crawford-Cabral, 1966: 137; 1989; Feiler, 1990; Kearney *et al.*, 2008b; Monadjem *et al.*, 2010d: 562); Kenya (Schlitter and Aggundey, 1986; Kearney *et al.*, 2008b); Lesotho (Lynch, 1994: 196; Kearney *et al.*, 2008b; Monadjem *et al.*, 2010d: 562); Malawi (Kershaw, 1922b: 182; Roberts, 1946: 305;Happold *et al.*, 1988; Ansell and Dowsett, 1988: 38; Kearney *et al.*, 2008b; Monadjem *et al.*, 2010d: 562); Mozambique (Smithers and Lobão Tello, 1976: 60; Kearney *et al.*, 2008b; Monadjem *et al.*, 2010d: 562; Monadjem *et al.*, 2010c: 382); Namibia (Griffin, 1999: 30; Rautenbach *et al.*, 1993: 93; Kearney *et al.*, 2008b; Monadjem *et al.*, 2010d: 562); South Africa (Shortridge and Carter, 1938: 282; Shortridge, 1942: 38; Roberts, 1951: 86; 1954; Rautenbach *et al.*, 1981b; Rautenbach and Espie, 1982; Herselman and Norton, 1985: 100; Rautenbach *et al.*, 1993: 93; Lynch, 1994; Taylor, 1998; Watson, 1998; Avery, 1991: 6; Kearney and Seamark, 2004; Seamark and Brand, 2005: 8; Seamark and Kearney, 2007: 4; Kearney *et al.*, 2008b; Monadjem *et al.*, 2010d: 562); Zambia (Ansell, 1960a: 20; Kearney *et al.*, 2008b; Monadjem *et al.*, 2010d: 562); Zimbabwe (Peterson and Nagorsen, 1975; Cotterill, 1996a: 78; Kearney *et al.*, 2008b; Monadjem *et al.*, 2010d: 562).

GEOGRAPHIC VARIATION:
See also the section on "Taxonomy". *E. h. bensoni* is smaller than either *E. h. hottentotus* or *E. h. portavernus* (Schlitter and Aggundey, 1986). *E. h. bensoni* is darker in colour, "tawny olive" (Roberts, 1946), than *E. h. portavernus* (Schlitter and Aggundey, 1986), and *E. h. hottentotus* (Roberts, 1946: 305). Morphometric analysis of cranial size supported the synonomization of *E. h. pallidior* with the nominate species (Schlitter and Aggundey, 1986; Kearney, 2005), which had been described on the basis of the paler colour, "rufous-buff" (Shortridge, 1942), that is found in specimens from the Northern Cape and Namibia. Although, colour is darker in specimens from Taung in the North West Province of South Africa (Herselman and Norton, 1985: 100), and in specimens from Angola - "gold brownish" (Crawford-Cabral, 1966; 1989: 19). Relative to *E. h. hottentotus*, *E. h. portavernus* has a deeper braincase and shorter palatal length (Schlitter and Aggundey, 1986).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
For a general description of overall size, and pelage and membrane colour see Temminck (1840), Sclater (1901: 126), Shortridge and Carter (1938: 282), Shortridge (1942), Roberts (1946), Smithers (1983), Skinner and Smithers (1990: 108), Taylor (2000), Taylor (2005: 318). For a general description of the ear and tragus see Temminck (1840), Sclater (1901: 126), Smithers (1983), Skinner and Smithers (1990: 108), Taylor (2000), Taylor (2005: 318).

Schoeman and Jacobs (2002: 157) reported the following parameters for 6 specimens from the Algeria Forestry Station (RSA): Fa: 48.9 ± 1.4 mm, Wing area: 173.7 ± 14.1 cm^2, Wing span: 33.0 ± 0.5 cm, Wing loading: 10.3 ± 1.6 N/m^2, and aspect ratio: 6.3 ± 0.6.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
For a general description of the skull, see Shortridge and Carter (1938: 282), Roberts (1946). For a general description of the teeth, see Sclater (1901: 126).

DETAILED MORPHOLOGY:
Baculum - See Hill and Harrison (1987) and Kearney *et al.* (2002).
Dental - See Menu (1985; 1987).

SEXUAL DIMORPHISM:
An analysis of specimens from southern Africa showed no significant difference between the sexes in 12 cranial and dental, and eight external measurements, but females were significantly larger than males by 5.21 and 6.78 percent respectively for forearm and third metatarsal lengths (Kearney, 2005).

ECHOLOCATION:
Based on a single room-flown individual the call was recorded as a short duration (2 - 4 msex), broad-band (20 - 54 kHz) call with a dominant frequency of 28 - 32 kHz, and harmonic components (Taylor, 2000: 89). The call frequency, outside the sensitivity range of moths, is suggested to have evolved in response to moth hearing (Schoeman and Jacobs, 2002). These authors (p. 157) also reported the call type to be a low duty echolocation dominated by frequency modulated calls, with a F_{peak}: 31.8 ± 1.0 kHz.

Taylor *et al.* (2013b: 17) recorded the following parameters for 3 *E. hottentotus* calls from Soutpansberg, South Africa: F_{max}: 60.6 ± 8.23 (54.0 - 69.8) kHz, F_{min}: 30.1 ± 1.74 (28.2 - 31.6) kHz, F_{knee}: 35.2 ± 1.48 (34.2 - 36.9) kHz, F_{char}: 32.2 ± 1.75 (30.4 - 33.8) kHz, duration: 3.1 ± 0.86 (2.6 - 4.1) msec.

Linden *et al.* (2014: 40) reported the following parameters from the Soutpansberg area (RSA): F_{min}: 28 - 32 khz, F_{char}: 30 - 34 kHz, F_{knee}: 34 - 37 kHz, Slope: 367 - 773 OPS, duration: 3 - 4 msec.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003), Stadelmann *et al.* (2004b), Eick *et al.* (2005) and Matthee *et al.* (2006).
Karyotype - Results of all analyses, based on specimens from Zimbabwe (Peterson and Nagorsen, 1975), Namibia and Limpopo Province in South Africa (Rautenbach *et al.*, 1993: 93), and the Western Cape Province in South Africa (Kearney *et al.*, 2002: 59), agreed the diploid number is 2*n* = 50, with 24 pairs of acrocentric autosomes, hence a fundamental number of FN = 48. The X chromosome is a medium-sized submetacentric, and the Y a small acrocentric (Peterson and Nagorsen, 1975; Rautenbach *et al.*, 1993: 93; Kearney *et al.*, 2002: 59).
Protein / allozyme - See Morales *et al.* (1991) for results from ten specimens from Namibia.

HABITAT:
Often associated with mountainous country, in close proximity to water (see references under "Habits"). Sirami *et al.* (2013: 34) recorded in the Western Cape Province, South Africa that *E. hottentotus* activity was not significantly, nor positively influenced by size of wetland, while habitats 100 m surrounding wetlands were also significantly and positively influenced by the water body.

HABITS:
In Angola specimens collected from Capolopopo were "performing sweeping flights over a water tank, apparently catching insects" (Crawford-Cabral, 1989: 19), as was also noted by Roberts, 1951: 87) for individuals observed at Eronga Mountain in Namibia. In Mozambique a single specimen was mistnetted in the Zambezi Valley northwest of Tete (Smithers and Lobão Tello, 1976: 60). Specimens collected at Goodhouse in the Northern Cape Province of South Africa were shot "whilst 'planing' very slowly in wide circles around a cattle kraal, to which they were attracted by a swarm of flies" (Shortridge, 1942: 38). Shortridge (1942: 38) also observed them to be weak fliers, coming out at late dusk after *Cistugo* and *Sauromys*. In 1985, near Buxton in the North West Province of South Africa, some 11 years after this species had been taken from a roost at the entrance to an old mine tunnel (see below under "Roost"), three females were netted flying out of the tunnel, two at 20h45, and another at 21h40, while a male was caught returning at 23h30 (James, 1986: 219). The first specimen of this bat caught in the northern part of the Kruger National Park in South Africa was mistnetted after sunset in a figtree forest on the banks of the Luvuvhu River (Rautenbach and Espie, 1982: 112). In the Free State Province of South Africa a specimen was netted at Sterkfontein Dam in "well-wooded, broken country with patches of marshy open grassland" (Watson, 1998). A specimen from Ithala Game Reserve in northern KwaZulu-Natal Province of South Africa was netted over a river with well-wooded banks (Rautenbach *et al.*, 1981b: 24). At Rocherpan in the Western Cape Province of South Africa specimens were netted flying low over a marsh (Herselman and Norton, 1985: 100). In the Cederberg region of the Western Cape Province of South Africa specimens were netted, in January and February between 20h45-21h52, at the edges of water bodies (Seamark and Brand, 2005: 8). In Lesotho specimens were netted over grassy banks adjacent to rivers in mountainous terrain, at Malealea the species was caught in October at 20h30 (Lynch, 1994: 197).

ROOST:
In Zimbabwe a specimen was found "clinging to a wall in an open building with a corrugated iron roof" (Smithers and Lobão Tello, 1976: 60), and at Marandellas "hanging on the wall of a squash court" (Smithers and Wilson, 1979: 45). Specimens from Taung in the North West Province of South Africa were taken (between 1976 - 1979) from a hollow in rocks at the entrance to an old mine tunnel inhabited by *Miniopterus schreibersii* (Herselman and Norton, 1985: 100).

DIET:
Insectivorous (Smithers, 1983; Skinner and Smithers, 1990: 108; Taylor, 2005: 318). Schoeman and Jacobs (2002) identified tympanate moths in the diet of individuals from the Western Cape Province of South Africa.

From the Algeria Forestry Station (RSA) Schoeman and Jacobs (2002: 157) reported the following prey groups based on 67 faecal pellets from 6 bats (in volume percent): Coleoptera (88.3 ± 9.0), Diptera (4.5 ± 9.0), Hemiptera (1.5 ± 3.0), and unknown (1 ± 2).

PREDATORS:
Avery *et al.* (2005: 1054) found this species to be present in pellets from *Tyto alba* in South Africa.

Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - Shortridge (1942:38) indicated this bat was not plentiful around

Goodhouse in the Northern Cape of South Africa and only observed half a dozen individuals. In other instances specimens have either been found singly or in groups of two to five (Smithers and Wilson, 1979; Herselman and Norton, 1985: 100; Smithers, 1983; Watson, 1998).
Trend - 2008 - Unknown (Jacobs and Cotterill, 2008a; IUCN, 2009).

PARASITES:
Ectoparasite - *Pteracarus pusillus* (Fain, 1978: 78).

VIRUSES:
Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that one of two examined South African *E. hottentotus* specimens tested positive for *Paramyxovirus* sequences.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Rabies - Oelofsen and Smith (1993) tested one individual brain, by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

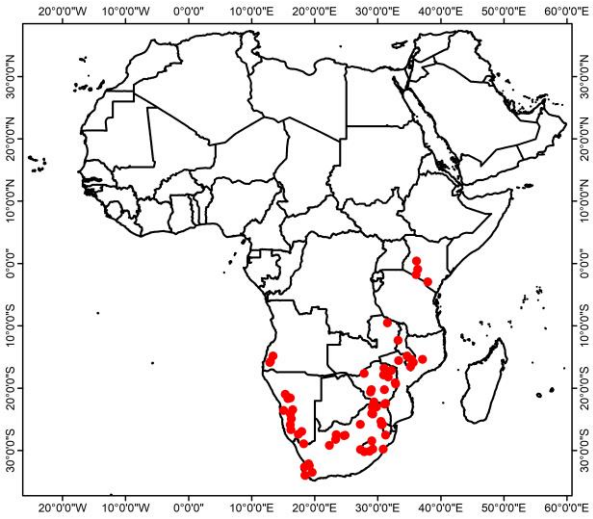

Figure 273. Distribution of *Eptesicus hottentotus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Kenya, Lesotho, Malawi, Mozambique, Namibia, South Africa, Zambia, Zimbabwe.

Eptesicus isabellinus (Temminck, 1840)

*1835-1841. *Vespertilio isabellinus* Temminck, Monographies de mammalogie ou description de quelques genres de mammifères, dont les espèces ont été observées dans les différens musées de l'Europe, 2: 205, pl. 52, fig. 1, 2. Publication date: 1835 - 1841. Type locality: Libya: near Tripoli [ca. 32 58 N 13 12 E] [Goto Description]. - Comments: Considered a valid subspecies by Horácek *et al.* (2000: 124). Considered a valid species of *serotinus* by Benda *et al.* (2004b: xx), and Mayer *et al.* (2007: Additional file 1) based on mitochondrial DNA analyses.
Dalhoumi *et al.* (2017b: 142) indicate that the original specimens were collected by J. F. H. Clifford Cocq van Breugel.

1855. *Vespertilio (Vesperus) isabellinus:* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 5: 746. (Name Combination)

1860. *Meteorus isabellinus:* Kolenati, Monographie der Europäischen Chiroptern, 20. (Name Combination)

1880. *Vesperugo (Vesperus) serotinus, Sous-espèce A, Vesperus isabellinus:* Dobson, Bull. Soc. zool. France, 5: 234. (Name Combination)

1885. *Vesperugo serotinus isabellinus:* Lataste, Act. Soc. Linn. Bordeaux, 39: 189. (Name Combination)

1887. *Vesperugo isabellinus:* Lataste, Catalogue critique des Mammifé apélagiques sauvages de Tunisie, 2. Publication date: 1887. (Name Combination)

1897. *[Vesperugo (Vesperus) serotinus] Var. Gabonensis* Trouessart, Catalogus Mammalium tam viventium quam fossilium, nov. ed 1, 1: 108. Publication date: 1897. Type locality: Gabon: "Gaboon" [Goto Description]. Holotype: BMNH 1873.4.16.19. - Comments: The type specimen came allegedly from 'Gabon', Africa, but actually is almost certainly from Kashmir or N India (see Hayman and Hill, 1971: 44; Ibáñez and Valverde, 1985; Corbet and Hill, 1992: 131). However, see also Grubb (2004: 92); who indicates that Gabon might not be rejected. Based on *V. s.* var. *a* of Dobson, 1878: 192 (see Corbet and Hill, 1992: 131). Considered a subspecies by Corbet and Hill (1992), but not attributable to any subspecies according to Simmons (2005). Grubb (2004: 92) indicates it might be a junior synonym of *pachyomus* or a senior synonym of *platyops*.

1904. *Vespertilio Boscai* Cabrera, Mem. Soc. Esp. Hist. Nat., 2: 265, pl. 3, figs. 5, 6, 8. Type locality: Spain: Alicante, Muchamiel.

1905. *Vespertilio (Eptesicus) serotinus isabellinus:* Trouessart, Caus. sci. Soc. zool. France, 1 (10): 369. (Name Combination)

1905. *Vespertilio (Eptesicus) serotinus:* Trouessart, Caus. sci. Soc. zool. France, 1 (10): ???. (Name Combination)
1909. *Eptesicus serotinus isabellinus:* Satunin, Mitt. Kauk. Mus., 4: 297. - Comments: However, this is not *isabellinus* Temminck, 1835-1841, but *isabellinus* Blyth, 1851. (Name Combination)
1937. *Eptesicus isabellinus:* Laurent, Mammalia, 1: 153. (Name Combination, Current Combination)
1938. *[Eptesics] serotinus gaboensis:* Frechkop, Exploration du Parc National Albert, 52. (Lapsus)
1939. *Eptesicus serotinus gabonensis:* Allen, Bull. Mus. comp. Zool., 83: 87. (Name Combination)
1939. *Eptesicus serotinus isabellinus:* G.M. Allen, Bull. Mus. comp. Zool., 83: 87. - Comments: First use for *isabellinus* Temminck, 1835-1841. (Name Combination)
1942. *Eptesicus [(Eptesicus)] isabellinus:* Tate, Bull. Am. Mus. Nat. Hist., 80: 275. (Name Combination)
1951. *Eptesicus isabellinus isabellinus:* Ellerman and Morrison-Scott, 156. (Name Combination)
1962. *E[ptesicus] gabonensis:* Basilio, La vida animal en la Guinea Española, 182. (Name Combination)
1971. *Eptesicus (Eptesicus) serotinus isabellinus:* Hayman and Hill, Mammals of Africa: Chiroptera, 44. (Name Combination)
2013. *Eptesicus isabellinus boscai:* Juste, Benda, Garcia-Mudarra, and Ibáñez, Zool. Scr., 42 (5): 447. Publication date: 19 May 2013. (Name Combination)
? *Eptesicus (Amblyotus) isabellinus:* (Name Combination)
? *Eptesicus serotinus boscai:* (Name Combination)

TAXONOMY:
Recent genetic studies (Ibañez *et al.*, 2006; Mayer *et al.*, 2007; García-Mudarra *et al.*, 2009) support the specific status of this serotine which occurs sympatrically with *E. serotinus* in the Iberian Peninsula.

Le Berre (1990: 102) considers *Eptesicus isabellinus* to be a synonym of *Eptesicus bottae* (see also comments under that species).

The status of *gabonensis* still remains unclear. Although originally described by Trouessart (1897: 108) from Gabon, Hayman and Hill (1971: 44) and Ibáñez and Valverde (1985: 242) suggest it almost certainly originated from Kashmir or Northern India. Kock (1969a: 162) considered it to be senior synonym of *Eptesicus platyops*, which is supported by Grubb (2004: 92), who discussed this in detail (and who indicates that Gabon might not be rejected as country of origin). Pending further analyses, we retain *gabonensis* in the synonymy of *Eptesicus isabellinus*.

COMMON NAMES:
Czech: netopýr tripolitánský. Dutch: Isabelvleermuis. English: Meridional serotine. French: Sérotine isabelle, Sérotine isabelline. German: Isabell-Breitflügelfledermaus, Isabell-farbenen Abendfledermaus.

SIMILAR SPECIES:
Santos *et al.* (2014: 158) indicate that *E. isabellinus* and *E. serotinus* have an extensive niche overlap, indicating that they explore very similar conditions. Each species thrives in a specific biogeographical zone, *E. serotinus* in Atlantic climates and *E. isabellinus* in Mediterranean areas, but considering the large niche overlap it is quite possible that competition may occur if prey resources are limited in contact zones.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Gunnell *et al.* (2015a: 13) report on a right distal humerus from the Olduvai Gorge (Tanzania), which they assigned to cf. *E. isabellinus*.

CONSERVATION STATUS:
Global - Assessed as as part of *Eptesicus serotinus* which is very widespread (most of Europe) and abundant species. Global and regional population trends are difficult to determine, as the species is decreasing in some range states (sometimes dramatically) whilst increasing in others. Overall, it is not believed to approach the threshold for the population decline criterion of the IUCN Red List (i.e. declining more than 30% in ten years or three generations). For these reasons, it is evaluated as Least Concern (LC ver 3.1, 2001; Hutson *et al.*, 2008h; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [as part of *Eptesicus serotinus*] (Hutson *et al.*, 2008h; IUCN, 2009).

MAJOR THREATS:
Sherwin *et al.* (2012: 174) report the aerial hawking feeding style and the long-distance disperal of *E. serotinus* in Europe and NW Africa to be important risk factors related to climatic change.

CONSERVATION ACTIONS:
No specific conservation actions known (Hutson *et al.*, 2008h; IUCN, 2009).

GENERAL DISTRIBUTION:
Eptesicus isabellinus has been recorded from North Africa and the Iberian Peninsula.

Native: Algeria; Libya; Morocco (Benda *et al.*, 2010a: 157; El Ibrahimi and Rguibi Idrissi, 2015: 363 [as "*Eptesicus serotinus (= E. isabellinus)*"]); Portugal; Spain; Tunisia (Dalhoumi *et al.*, 2014: 53; 2016b: 867).

GEOGRAPHIC VARIATION:
The populations from the Iberian Peninsula, Morocco and western Algeria are assigned to *E. isabellinus boscai* by Juste *et al.* (2013: 443), whereas those from the remaining part of Algeria, Tunisia and western Libya are assigned to *E. i. isabellinus*. However, they do indicate (p. 450) that the specimens from western Libya seem to form a supported, separate clade.

SEXUAL DIMORPHISM:
In a year-round study in Tunisia, Dalhoumi *et al.* (2016a: 157) found adult females to be significantly heavier than males.

ECHOLOCATION:
Benda *et al.* (2010a: 163) report for 23 Moroccan specimens a start frequency of 35.1 ± 1.0 (33.7 - 36.3) kHz, a maximum energy frequency of 26.9 ± 0.7 (25.8 - 28.3) kHz, an end frequency of 23.3 ± 0.8 (22.4 - 24.2), with a duration of 9.7 ± 2.8 (5.6 - 16.3) ms, and an inter-pulse interval of 244.2 ± 66.7 (128.5 - 362.7) msec.

Also from Morocco, Disca *et al.* (2014: 226) indicate that the type of call is FM-QFC, with the following parameters: F_{start}: 42.3 ± 13.0 kHz, F_{end}: 25.3 ± 1.5 kHz, F_{peak}: 27.4 ± 2.2 kHz, bandwidth: 17.0 ± 11.6 kHz, duration: 11.5 ± 3.0 msec.

In Tunisia, Dalhoumi *et al.* (2016b: 867; 2017b: 143) reported FM/QCF calls with a short constant frequency at 18.5 - 27.1 kHz and maximum energy at 21.7 - 30.3 kHz (25.3 ± 2.0 kHz).

MOLECULAR BIOLOGY:
DNA - See Ibañez *et al.* (2006), Mayer *et al.* (2007), García-Mudarra *et al.* (2009), Juste *et al.* (2009).

Karyotype - Baker *et al.* (1974) reported 2n = 50, aFN = 48, X = submetacentric for specimens from Tunisia.
Protein / allozyme - Unknown.

HABITAT:
In the Iberian Peninsula, Lisón *et al.* (2014: 59) found that *E. isabellinus* is primarily found near water courses, scrublands, and zones with high primary productivity. Non-irrigated croplands are avoided, and no preferences were found for human settlements or irrigated croplands. The preference for water bodies was also confirmed in Tunisia by Dalhoumi *et al.* (2017b: 149).

HABITS:
In Spain, Lisón and Calvo (2014: 99) found that the activity of this species increases with high temperatures, showing the highest activity in June.

ROOST:
Benda *et al.* (2014c: 46) reported solitary males to roost in the ruined Roman town of Leptis Magna (Libya), and additional specimens were found in fissures in ceilings and walls of other ruins. Kelm *et al.* (2015: 27) indicate that this species' roosts are mostly found in anthropogenic structures. Dalhoumi *et al.* (2017b: 142) also mentions rock crevices, tree holes and bridges.

DIET:
Benda *et al.* (2014c: 51) examined four sets of faecal pellets and three digestive tracts from Libya *E. isabellinus* and found primarily ants (Hymenoptera: Formicoidea) and beetles (Coleoptera: mostly Scarabaeidae and Cerambycidae, but also Carabidae, Curculionidae, Staphylinidae, and Tenebrionidae). A set of five pellets from one animal was dominated by moths (Lepidoptera).

POPULATION:
Structure and Density - *Eptesicus isabellinus* is the most common bat species in northwest Algeria and Libya (Hutson *et al.*, 2008h; IUCN, 2009).
Trend - 2008 - Unknown [as part of *E. serotinus* (Hutson *et al.*, 2008h; IUCN, 2009)].

LIFESPAN:
In southern Spain, Papadatou *et al.* (2010: 925) followed six colonies over a period varying between 8 and 26 years and found a mean annual survival probability of 0.71.

REPRODUCTION AND ONTOGENY:
Baker *et al.* (1974: 701) mentions four lactating females collected on 5 June 1973. In Tunisia, Dalhoumi *et al.* (2017b: 141) captured pregnant females from April to June (one even in August) and lactating females from May to June.

Benda *et al.* (2014c: 48) refer to a record of two juvenile females made by Hanák and Elgadi (1984) in the spring of 1978 from Janzur (Libya), and to a non-volant juvenile they observed at Sabratha on 28 May 2002.

PARASITES:
Benda *et al.* (2014c: 52) reported the following parasites from Libya:
Argasidae: *Argas vespertilionis* (Latreille, 1802),
Ischnopsyllidae: *Ischnopsyllus intermedius* (Rothschild, 1898)

From Algeria, Bendjeddou *et al.* (2013: 325) reported the Nycteribiid *Phthiridium biarticulatum* Hermann, 1804 from "*E. serotinus*": Bendjeddou *et al.* (2017: 15) added the following species: Siphonaptera:*Nycteridopsylla longiceps* Rothschild, 1908, *Ischnopsyllus intermedius* (Rothschild, 1898); Heteroptera: *Cimex pipistrelli* Jenyns, 1839, *Cacodmus vicinus* Horváth, 1934; Arachnida: *Argas transgariepinus* White, 1846.

VIRUSES:
Coronaviridae - Coronaviruses
Betacoronavirus
Kohl and Kurth (2014: 3112) reported this virus from Spain.

Papillomaviridae – Papillomaviruses
García-Pérez *et al.* (2014: 100) pointed out that there is no strict species specificity in papillomaviruses as they found DNA from EserPV2 and EserPV3 in pharyngeal swaps of both *Eptesicus serotinus* and *E. isabellinus*.

Rhabdoviridae
"Various European bat lyssaviruses" were reported from various European countries by Kohl and Kurth (2014: 3114).

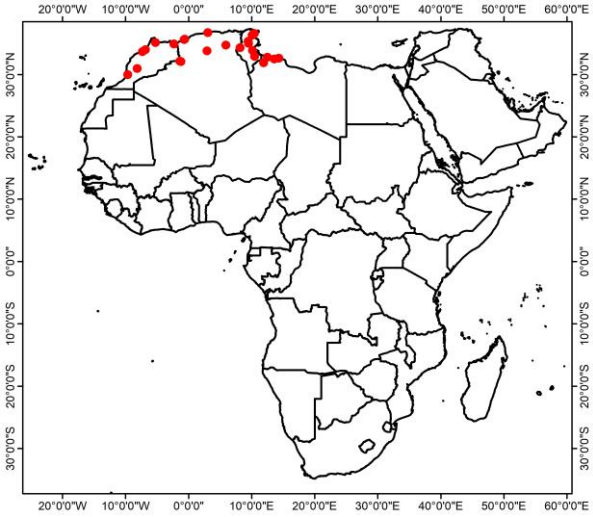

Figure 274. Distribution of *Eptesicus isabellinus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Libya, Morocco, Tunisia.

Eptesicus platyops (Thomas, 1901)

*1901. *Vespertilio platyops* Thomas, Ann. Mag. nat. Hist., ser. 7, 8 (43): 31. Publication date: 1 July 1901. Type locality: Nigeria: Western region: Lagos [06 27 N 03 23 E] [Goto Description]. Holotype: BMNH 1888.5.17.3: ad ♀, skull and alcoholic. Presented/Donated by: George Edward Dobson. - Etymology: From the Greek "*platyops*" for broad-faced or flat-faced.
1939. *Eptesicus platyops:* G.M. Allen, Bull. Mus. comp. Zool., 83: 86. (Name Combination, Current Combination)
1969. *Eptesicus serotinus platyops:* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 214. (Name Combination)
1980. *Eptesicus (Eptesicus) platyops:* Corbet and Hill, A world list of mammalian species, 69. (Name Combination)
1994. *E[ptesicus (Eptesicus)] s[erotinus] platyops:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 120. (Name Combination)

TAXONOMY:
Considered a subspecies of *E. serotinus* by Ibáñez and Valverde (1985) and Koopman (1994: 120), but no comparison with *E. bottae* was made.

COMMON NAMES:
Czech: netopýr nigerijský. English: Lagos Serotine Bat, Flat-faced Serotine Bat, Lagos Serotine. French: Sérotine à grands yeux, Sérotine de Lagos. German: Lagos-Breitflügelfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence, ecological requirements, threats and conservation status (Schlitter, 2008a; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Schlitter, 2008a; IUCN, 2009). 2004 - DD ver 3.1 (2001) (IUCN, 2004; Schlitter, 2004e). 1996 - VU (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are not known (Schlitter, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:
Schlitter (2008a) [in IUCN (2009)] reports that it is not known if the species is present in any protected areas and additional surveys are needed to try to locate and study a population of this species.

GENERAL DISTRIBUTION:
Eptesicus platyops is a poorly known West African species known only from a few specimens. It is known from the type locality at Lagos in Nigeria, from specimens from the island of Bioko (Equatorial Guinea) (although these specimens may not have originated on Bioko) and from an unspecified locality in Senegal (Schlitter, 2008a). Senegal specimens were collected around 1900 (Happold, 1987).

Native: Nigeria (Happold, 1987).
Presence uncertain: Equatorial Guinea [= Bioko]; Senegal (Happold, 1987).

POPULATION:
Structure and Density - There is no good information on the population abundance or size of this bat (Schlitter, 2008a; IUCN, 2009).
Trend - 2008 - Unknown (Schlitter, 2008a; IUCN, 2009).

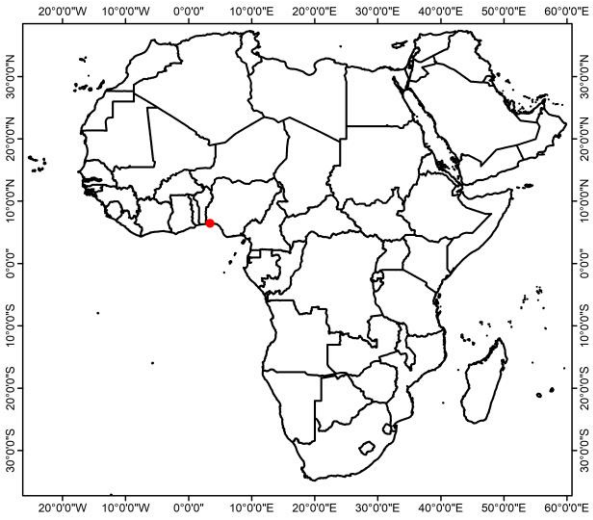

Figure 275. Distribution of *Eptesicus platyops*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Nigeria, Senegal.

Genus ***Glauconycteris*** Dobson, 1875

*1875. *Glauconycteris* Dobson, Proc. zool. Soc. Lond., 1875, III: 383. Publication date: October 1875. - Comments: Type species: *Kerivoula poensis* Gray, 1842. - Etymology: From the Greek "*γλαυκός*", meaning gray and "*γλαυκός*", meaning bat, referring to the fur, which is light gray or cream-colored at the tips (see Palmer, 1904: 295). Rambaldini (2010: 252) indicates that the Greek "glaucos" means bluish gray. Lanza *et al.* (2015: 349) indicate that the first part of the name is a feminine Latin adjective *glàuca*, meaning "glaucous, blue-green". (Current Combination)
2013. *Niumbaha* Reeder, Helgen, Vodzak, Lunde and Ejotre [Goto Description].
? *Chalinolobus* - Comments: in part.

TAXONOMY:
Bronner *et al.* (2003) state that although occasionally treated as a subgenus of *Chalinolobus* (Koopman, 1971; Swanepoel *et al.*, 1980; Koopman, 1982; Meester *et al.*, 1986; Koopman, 1993a; Taylor, 1998: 49; Wilson and Cole, 2000), *Glauconycteris* has often been considered as a distinct genus (Allen, 1939a; Roberts, 1951; Ellerman *et al.*, 1953; Hayman and Hill, 1971; Corbet and Hill, 1980, 1992). Despite some superficial cranial resemblance, the marked difference in baculum morphology (Hill and Harrison, 1987) and karyotypic properties (Rautenbach *et al.*, 1993). Ansell and Dowsett (1988), Volleth and Heller (1994) and Eger and Schlitter (2001: 1) support the recognition of these taxa as discrete genera (N. Simmons in litt.). *Glauconycteris* is thus represented in the southern African subregion by a single species, *G. variegata* (butterfly bat), while *Chalinolobus* is extralimital (Australia).

Hassanin *et al.* (2017: 1) analysed the *Cytb* and RAG2 data of the various members of this genus and distinguished three lineage in the small sized species: the "*poensis*" (*G. poensis, G. alboguttata, G. argentata* and *G. egeria*); the "*beatrix*" group (*G. beatrix* and *G. curryae*); and the "*humeralis*" group (*G. humeralis* and *G. atra*).

Known species of the genus *Glauconycteris*: ***alboguttata*** J. A. Allen, 1917; ***argentata*** (Dobson,

1875); ***beatrix*** Thomas, 1901; ***curryae*** Eger and Schlitter, 2001; ***egeria*** Thomas, 1913; ***gleni*** Peterson and Smith, 1973; ***humeralis*** J. A. Allen, 1917; ***kenyacola*** Peterson, 1982; ***machadoi*** Hayman, 1963; ***poensis*** (Gray, 1842); ***superba*** Hayman, 1939; ***variegata*** (Tomes, 1861).

COMMON NAMES:
Czech: motýlí netopýři. English: Butterfly Bats, Lobe-lipped Bats, Silvered Bats, Blue-grey Bats, Dobson's Bats, Glauconycterids. French: Glauconyctères, Murins à bajoues. German: Schmetterlingsfledermäuse. Italian: Glauconittèridi. Glauconictèridi.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Gabon, Guinea, Kenya, Liberia, South Africa, South Sudan.

Glauconycteris alboguttata J.A. Allen, 1917

*1917. *Glauconycteris alboguttatus* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 449, text-fig. 7 B. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Medje [02 25 N 27 18 E, 800 m] [Goto Description]. Holotype: AMNH 49317: ad ♀, skull and alcoholic. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 14 March 1914; original number: 2351. - Etymology: From the Latin "*alboguttata*" meaning white spotted.
? *Chalinolobus alboguttatus:* (Name Combination)
? *Glauconycteris alboguttata:* (Current Combination, Current Spelling)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: netopýr pruhovaný. English: Allen's Butterfly Bat, Striped Butterfly Bat, White-spotted Butterfly Bat, Allen's Striped Bat. French: Glauconyctère à gorge blanche, Murin à bajoues d'Allen, Barbastelle d'Allen. German: Gestreifte Schmetterlingsfledermaus.

CONSERVATION STATUS:
Global - Although this species is known mainly from isolated records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution (that is likely to be even wider than is currently known), extensive available habitat, presumed large overall population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008c; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008c; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004e; IUCN, 2004). 1996 - VU [assessed as *Chalinolobus alboguttatus*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are poorly known (Jacobs *et al.*, 2008c; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008c) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further research is needed into the species distribution, natural history and threats.

GENERAL DISTRIBUTION:
Glauconycteris alboguttata is distributed in Central Africa where it has been recorded from Cameroon and the Democratic Republic of the Congo. The range is poorly known, and it may be distributed more widely (Jacobs *et al.*, 2008c).

Native: Cameroon; Congo (Bates *et al.*, 2013: 323 - 1st record); Congo (The Democratic Republic of the).

HABITAT:
This species is associated with lowland tropical moist forest (Jacobs *et al.*, 2008c).

POPULATION:
Structure and Density - It is generally considered to be rare, however, there have been few recent surveys within the species range (Jacobs *et al.*, 2008c; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008c; IUCN, 2009).

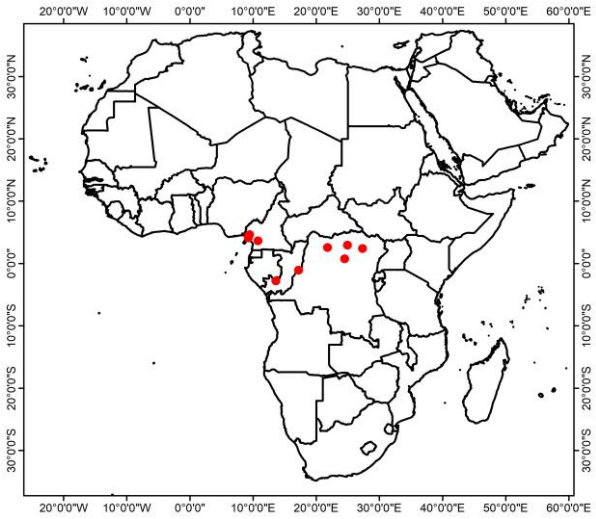

Figure 276. Distribution of *Glauconycteris alboguttata*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo, Congo (Democratic Republic of the).

Glauconycteris argentata (Dobson, 1875)

*1875. *Chalinolobus argentatus* Dobson, Proc. zool. Soc. Lond., 1875, III: 385. Publication date: October 1875. Type locality: Cameroon: Western province: Mount Cameroon [04 13 N 09 11 E] [Goto Description]. Holotype: BMNH 1871.7.10.5: ad ♀, alcoholic (skull not removed). Purchased (see Dobson (1878: 254). - Etymology: From the feminine Latin adjective *argentàta*, meaning "silvery", referring to the "beautiful dark silvery gray" (Dobson, 1875c: 386) of the terminal third of the dorsal hairs (see Lanza *et al.*, 2015: 351).

1889. *Chalinolobus congicus* Noack, Zool. Jb. Syst., 4: 223, pl. 2, fig 1; pl. 5, fig 66 - 68. Publication date: 28 February 1889. Type locality: Congo (Democratic Republic of the): Bas Congo province: near mouth of Congo River, Banana Creek: Netonna [05 58 S 12 27 E] [Goto Description]. Lectotype: SMF 2516: ad ♂, skull only. Collected by: P. Hesse. Mertens (1925: 22) considers this specimen to be a lectotype rather than "the" type. Paralectotype: SMF 11850: Collected by: P. Hesse. Paralectotype: SMF 11851: Collected by: P. Hesse. Paralectotype: SMF 11852: Collected by: P. Hesse. Paralectotype: SMF 11853: Collected by: P. Hesse. Paralectotype: SMF 11854: Collected by: P. Hesse. Paralectotype: SMF 11855: Collected by: P. Hesse. Paralectotype: SMF 2517: Collected by: P. Hesse. Paralectotype: SMF 2518: Collected by: P. Hesse. Paralectotype: SMF 2519: Collected by: P. Hesse. Paralectotype: SMF 2520: Collected by: P. Hesse. Paralectotype: SMF 2521: Collected by: P. Hesse. Paralectotype: SMF 2522: Collected by: P. Hesse. - Comments: Noack (1889: 22) refers to 8 specimens in alcohol 4 ♂♂ and 4 ♀♀, collected in April - May, by P. Hesse).

? *Glauconycteris argentata:* (Name Combination, Current Combination, Current Spelling)

? *Glauconycteris argentatus:* (Name Combination, Alternate Spelling)

TAXONOMY:
See Simmons (2005).

Monadjem *et al.* (2016y: 368) collected a *Glauconycteris* specimen in the Mount Nimba area, which looked very similar to this species in measurements and colouration but differed from it by the colouration of its wings (not pale). They also indicated that as *G. argentata* has not been found west of Cameroon, their specimen might represent an undescribed species. Tentatively, they assigned their specimen to *G.* cf. *argentata*.

COMMON NAMES:
Czech: netopýr stříbrný. English: Common Butterfly Bat, Silvery Butterfly Bat, Silvered Butterfly Bat, Silvered Bat. French: Glauconyctère argentée, Murin à bajoues argenté, Barbastelle argentée. German: Silberne Schmetterlingsfledermaus. Italian: Glauconitterìde argentàta, Glauconicterìde argentàta.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008d; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008d; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004g; IUCN, 2004). 1996 - LR/lc [assessed as part of *Chalinolobus argentatus*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
Glauconycteris argentata is threatened in the western and eastern parts of its range by deforestation resulting from logging activities, and the conversion of land to agricultural use (Jacobs *et al.*, 2008d; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008d) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further studies are needed into the distribution, natural history and threats to this little recorded species.

GENERAL DISTRIBUTION:
Glauconycteris argentata is widespread in Central and East Africa. It ranges from Cameroon and Equatorial Guinea (Rio Muni), into the Democratic Republic of the Congo, Rwanda, Burundi, Uganda, Kenya, Tanzania and possibly northern Malawi, with the southernmost record from northwestern Angola. The range is not well-known, and the species is expected to be distributed more widely than is currently known.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 562); Burundi (Hayman *et al.*, 1966); Cameroon; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 562); Equatorial Guinea (Jones, 1971); Gabon (1st record: Peereboom *et al.*, 2012 3); Kenya (Aggundey and Schlitter, 1984); Malawi (Ansell and Dowsett, 1988: 39; Monadjem *et al.*, 2010d: 562); Rwanda (Baeten *et al.*, 1984); Tanzania (Stanley and Goodman, 2011: 43).

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

ECHOLOCATION:
Peereboom *et al.* (2012: 4) report the following values: F_{min}: 28.42 - 34.45 (31.59 ± 1.48) kHz; F_{max}: 77.95 - 101.60 (89.16 ± 7.11) kHz, F_{peak}: 40.26 - 47.14 (43.96 ± 1.8) kHz, duration: 2.0 - 3.0 (2.4 ± 0.31) msec; first harm: 81.82 - 104.60 (94.04 ± 8.55), and interpulse interval: 24 - 128 (55 ± 34) msec.

From Kenya, López-Baucells *et al.* (2017: 24) reported some different values: F_{min}: 16.32 - 40.62 (35.20 ± 3.11) kHz, F_{max}: 41.37 - 75.09 (56.45 ± 9.40) kHz, F_{peak}: 36.19 - 44.77 (40.38 ± 1.68) kHz, duration: 0.7 - 8.52 (4.03 ± 1.86) msec, slope: -48.51 - -0.69 (-5.28 ± 6.19) kHz/ms.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Unknown.
Protein / allozyme - Unknown.

HABITAT:
Recorded from lowland tropical moist forest and moist savanna habitats.

ROOST:
At Uzungwa Scarp Forest Reserve, Tanzania, Trentin and Rovero (2011: 51) reported a group of 10 females and their young to roost underneath the leaves of palm trees.

POPULATION:
Structure and Density - This is a rarely recorded, poorly known species (Jacobs *et al.*, 2008d; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008d; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Trentin and Rovero (2011: 51) observed about 10 adult females with young in December 2005 at Uzungwa Scarp Forest Reserve, Tanzania.

VIRUSES:
Bunyaviridae
Phlebovirus
de Jong *et al.* (2011: 11), Luis *et al.* (2013: Suppl.), and Willoughby *et al.* (2017: Suppl.) report the occurrence of Rift Valley fever virus.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Burundi, Cameroon, Congo, Congo (Democratic Republic of the), Kenya, Rwanda, South Sudan, Tanzania, The Gambia, Uganda.

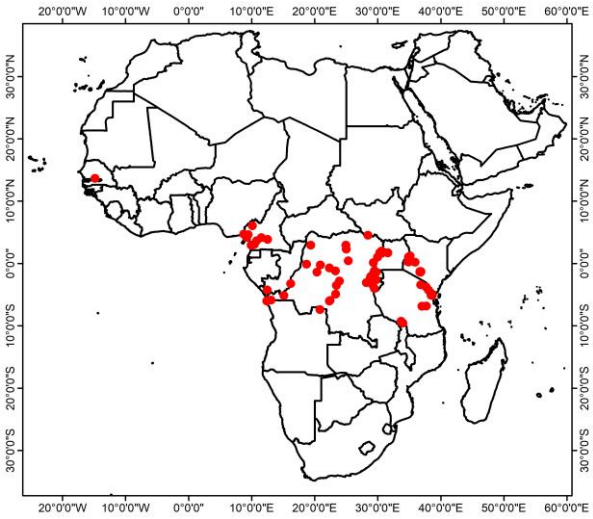

Figure 277. Distribution of *Glauconycteris argentata*

Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017

*2017. *Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, J. Zool. Syst. Evol. Res., xxx (x): 6, fig. 2. Publication date: 22 August 2017. Type locality: Congo (Democratic Republic of the): Tshopo province: Yaengo [00 20 56 N 24 28 55 E, 400 m] [Goto Description]. Holotype: MNHN ZM-2016-2792: ad ♀, skull and alcoholic. Collected by: Alexandre Hassanin, Guy-Crispin Gembu Tungaluna, Prescott Musaba Akawa, Raphaël Colombo, Tamás Görföl and Vuong Tam Tu; collection date: 5 December 2013; original number: K13-215. - Etymology: Atra refers to the colour of the pelage, which is dark and gloomy (blackish brown) (see Hassanin *et al.*, 2017: 6).

COMMON NAMES:
English: Blackish Butterfly Bat. French: Glauconyctère sombre.

GENERAL DISTRIBUTION:
Known only from three localities in the riparian zone on the left bank of the Congo River (DRC).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the).

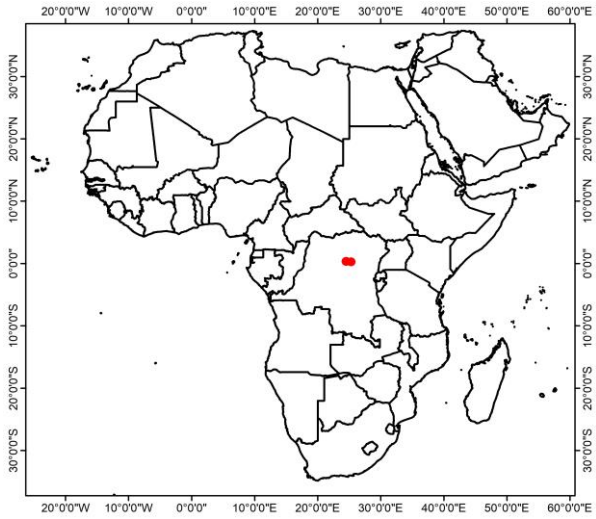

Figure 278. Distribution of *Glauconycteris atra*

Glauconycteris beatrix Thomas, 1901

*1901. *Glauconycteris beatrix* Thomas, Ann. Mag. nat. Hist., ser. 7, 8 (45): 256. Publication date: 1 September 1901 [Goto Description]. Holotype: BMNH 1898.5.4.19: ♀. Collected by: George Latimer Bates Esq. Collection date: January 1898. - Comments: Equatoria Guinea: Rio Muni, Benito River, 15 mi. (24 km) from mouth. (Grubb *et al.* (1998: 89) mention "Benito River, French Congo, fifteen miles from mouth [Mbini River, in Equatorial Guinea]". (Current Combination)
1998. *Glauconycteris beatrix beatrix:* Grubb, Jones, Davies, Edberg, Starin and Hill, Mammals of Ghana, Sierra Leone and The Gambia, 89.
? *Chalinolobus beatrix:* (Name Combination)

TAXONOMY:
Koopman (1993a: 199) included *humeralis*; see Koopman (1971: 7, 8), but see Simmons (2005).

COMMON NAMES:
Czech: netopýr rovníkový. English: Beatrix Bufferfly Bat, Beatrix's Bat. French: Glauconyctère de Béatrix, Murin à bajoues de Béatrice, Barbastelle de Béatrix. German: Kleine Schmetterlingsfledermaus. Spanish (Castillian): Murciélago Mariposa.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1, 2001) in view of its wide distribution, presumed large population (especially in Central Africa), and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008e; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008e; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Jacobs *et al.*, 2004f; IUCN, 2004). 1996 - LR/nt [assessed as *Chalinolobus beatrix*] (Baillie and Groombridge,

1996).

MAJOR THREATS:
This species is threatened by general habitat loss, often resulting from logging activities and the conversion of land to agricultural use (Jacobs *et al.*, 2008e; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008e) [in IUCN (2009)] suggest that this species has been recorded from a number of protected areas and further studies are needed into the distribution, natural history and threats to this little-known bat.

GENERAL DISTRIBUTION:
Glauconycteris beatrix is distributed in West and Central Africa. It ranges from Côte d'Ivoire in the west, through Ghana and Nigeria to Cameroon and Equatorial Guinea (Rio Muni and Bioko), with scattered records from Gabon, Central African Republic, Angola and the Democratic Republic of the Congo.

Native: Angola (Eger and Schlitter, 2001; Monadjem *et al.*, 2010d: 562); Cameroon; Central African Republic (Heller *et al.*, 1994; Lunde *et al.*, 2001: 537); Congo (Bates *et al.*, 2013: 324 - 1st authenticated record); Congo (The Democratic Republic of the) (Monadjem *et al.*, 2010d: 562); Côte d'Ivoire; Equatorial Guinea; Gabon; Ghana; Guinea-Bissau (Rainho and Ranco, 2001: 69); Nigeria (Happold, 1987).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Sanborn (1953: 166) reports a male specimen, collected in Gabon, which looks very similar to the description of *G. beatrix*, but has a small tuft of white hairs on each shoulder, but he also indicates that this character is sometimes variable, as was already mentioned by Hayman and Jones (1950: 762).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
In their study on the reversibility of the mandibular symphyseal fusion, Scott *et al.* (2012: 2943) mention that in this species the symphyse is unfused with smooth surfaces.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Heller *et al.* (1994: 6).

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Volleth and Heller (2008) reported 2*n* = 22, FN = 40, only bi-armed chromosomes and an autosome-X translocation for a female from the Democratic Republic of Congo. Porter *et al.* (2010) report for Gabon 2*n* = 22, with all chromosomes being distinctly biarmed, with ten pairs are metacentric or slightly submetacentric and one pair (the smallest) is subtelocentric. 2 *n* = 22 was also reported by Volleth and Eick (2012: 167), who also mention a segment number of 24.
Protein / allozyme - Unknown.

HABITAT:
This species is generally associated with lowland tropical moist forest (Happold, 1987).

ROOST:
There appears to be little information available on the roosting habits of this species, but presumably it can be found within hollow trees and dense vegetation (Jacobs *et al.*, 2008e).

POPULATION:
Structure and Density - This appears to be a rare, or at least a rarely recorded, species (Jacobs *et al.*, 2008e; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008e; IUCN, 2009).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - One fecal sample, collected in Febuary 2008 in Ghana, tested negative for coronavirus (CoV) RNA (Pfefferle *et al.*, 2009).

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that the single specimen they examined from Ghana did not test positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

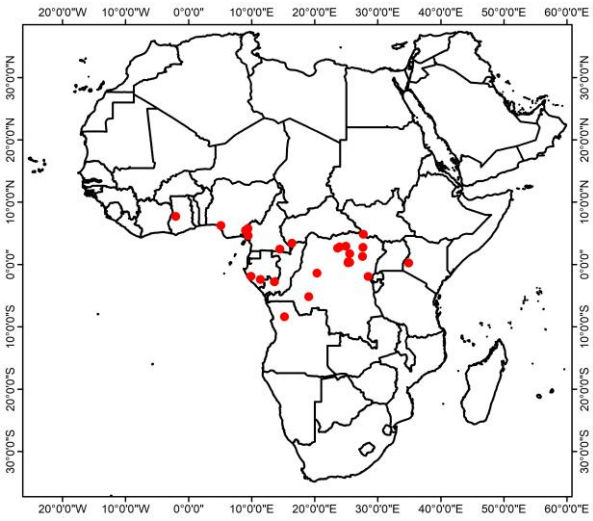

Figure 279. Distribution of *Glauconycteris beatrix*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana,

Kenya, Nigeria, South Sudan, Uganda.

Glauconycteris cf. beatrix Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017

2017. *G[lauconycteris] cf. beatrix:* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, J. Zool. Syst. Evol. Res., xxx (x): 7. Publication date: 22 August 2017.

TAXONOMY:
In their study on the multilocus phylogeny of *Glauconycteris* specimens from the DRC, Hassanin *et al.* (2017: 7) found a number of specimens in the collection of the ROM that were identified as *G. beatrix* but scored very different in their analyses as compared to other specimens assigned to this species. Their scores were much more like those of *G. curryae*, which seemed to be related to the length of the tail and the skull profile. Their analyses of the mitochondrial tree (*CO1, Cytb* and *12S* genes), however, showed these specimens not to be directly related to either *beatrix* or *curryae*, but closer to *humeralis*. Further investigation is necessary to elucidate this problem.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Côte d'Ivoire.

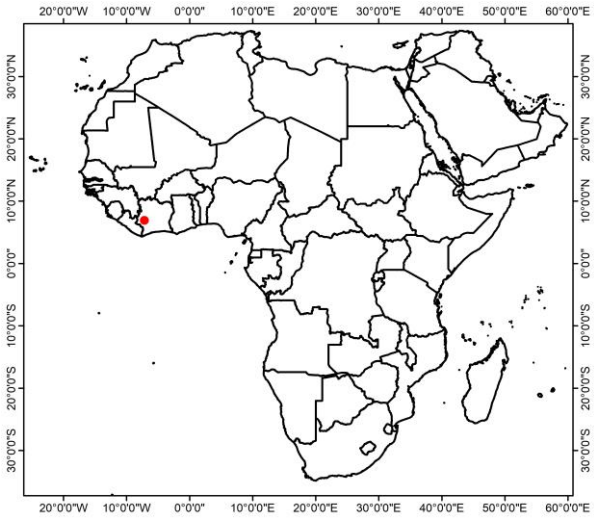

Figure 280. Distribution of *Glauconycteris* cf. *beatrix*

Glauconycteris cf. humeralis Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017

2017. *G[lauconycteris] cf. humeralis:* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, J. Zool. Syst. Evol. Res., xxx (x): 6. Publication date: 22 August 2017.

TAXONOMY:
For their study on the multilocus phylogeny of *Glauconycteris* specimens from the DRC, Hassanin *et al.* (2017: 6) used data collected from two specimens from the Central African Republic, which were originally identified as *G. humeralis*. Their analyses indicated that these specimens were quite different from the other *humeralis* included and suggested that they might represent a new species. Unfortunately, however, these two animals were released after the biopsy was taken. Therefore, Hassanin *et al.* (2017: 16) did not describe this species as new.

Glauconycteris curryae Eger and Schlitter, 2001

2001. *Glauconycteris curryae:* Eger, Acta Chiropt., 3 (2): 248. (Current Combination, Emendation, Current Spelling)

*2001. *Glauconycteris curryi* Eger and Schlitter, Acta Chiropt., 3 (1): 2, figs 1 - 4. Type locality: Cameroon: Bipindi, 10 km W [03 05 N 10 25 E, ca. 300 m] [Goto Description]. Holotype: ROM 56243: ad ♀, skin and skull. Collected by: Randolph L. Peterson, Robert M. Glen and Philip Imbayi; collection date: 19 February 1970. Note: netted over a pool in a vast stand of bamboo, by a river (see Eger and Schlitter (2001: 2). - Etymology: Named in honour of Noreen Curry, in recognition of her interest in bats and her support of Royal Ontario Museum field research in Africa and bat education at the ROM (see Eger and Schlitter, 2001).

? *Chalinolobus curryi:*

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: netopýr konžský. English: Curry's Butterfly Bat, Curry's Bat. French: Glauconyctère de Curry. German: Currys Schmetterlings-fledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) since it has only recently been described, and there is still very little information on its extent of occurrence, status, threats and ecological requirements (Schlitter, 2008b; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Schlitter, 2008b; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Schlitter, 2004f; IUCN, 2004).

MAJOR THREATS:
The threats to this species are not known (Schlitter, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Schlitter (2008b) [in IUCN (2009)] suggests that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further research is needed into the distribution, natural history and threats to this species.

GENERAL DISTRIBUTION:
Glauconycteris curryae is a Central African species, known only from southern Cameroon, Gabon and a single locality in the Democratic Republic of the Congo (Yalosemba North of the River).

Native: Cameroon; Congo (The Democratic Republic of the), Gabon.

HABITAT:
This species has been recorded from lowland tropical moist forest and swamp forest (Schlitter, 2008b).

POPULATION:
Structure and Density - Unknown (Schlitter, 2008b; IUCN, 2009).
Trend - 2008 - Unknown (Schlitter, 2008b; IUCN, 2009).

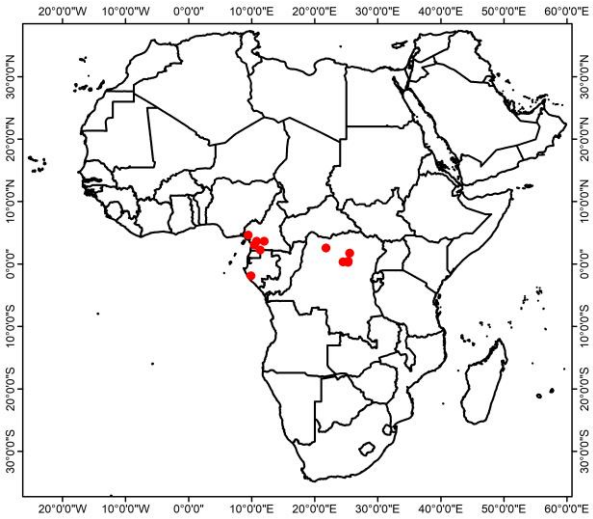

Figure 281. Distribution of *Glauconycteris curryae*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo (Democratic Republic of the), Gabon.

Glauconycteris egeria Thomas, 1913

*1913. *Glauconycteris egeria* Thomas, Ann. Mag. nat. Hist., ser. 8, 11 (61): 144. Publication date: 1 January 1913. Type locality: Cameroon: Western province: Bibundi [04 15 N 08 58 E] [Goto Description]. Holotype: BMNH 1912.12.13.3: ♂. Original number: 22. Presented/Donated by: Prof. E. Lampe (Wiesbaden Museum). (Current Combination)
? *Chalinolobus egeria:* (Name Combination)
? *Chalinolobus egerius:* (Name Combination)
? *G[lauconycteris] cf egeria:*

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: netopýr bibundinský. English: Bibundi Bufferfly Bat, Bibundi Bat. French: Glauconyctère de Bibundi, Murin à bajoues de Bibundi, Barbastelle du Bibundi. German: Bibundi Schmetterlingsfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Jacobs *et al.*, 2008f; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs *et al.*, 2008f; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004n; IUCN, 2004). 1996 - LR/lc [concern assessed as *Chalinolobus egeria*] (Baillie and Groombridge, 1996: 137).

MAJOR THREATS:
The threats to this species are not known (Jacobs *et al.*, 2008f; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008f) [in IUCN (2009)] report that it has been recorded from the Dzanga-Sangha Special Dense Forest Reserve in the Central African Republic (Lunde *et al.*, 2001), and may be present in additional protected areas. Further field surveys are needed to better determine the distribution, natural history and possible threats to this little-known bat.

GENERAL DISTRIBUTION:
Currently only been recorded from three localities. The type locality is Bibundi in the Western Province of Cameroon (Thomas, 1913b); three individuals (as *G.* cf. *egeria*) were collected from Dzanga-Sangha Special Dense Forest Reserve in the Central African Republic (Lunde *et al.*, 2001); the species indicated as being present in western Uganda by Koopman (1993a: 199), although further details are needed of the collection site in this country (Jacobs *et al.*, 2008f; IUCN, 2009).

Native: Cameroon (Thomas, 1913b); Central African Republic (Lunde *et al.*, 2001).
Presence uncertain: Uganda (Koopman, 1993a; Simmons, 2005: 487).

HABITAT:
Lunde *et al.* (2001) recorded three specimens (allocated to *G.* cf. *egeria*) collected in dense secondary tropical lowland forest and along a forest road.

POPULATION:
Structure and Density - This species is known from very few specimens (Jacobs *et al.*, 2008f; IUCN, 2009).
Tend - 2008- Unknown (Jacobs *et al.*, 2008f; IUCN, 2009).

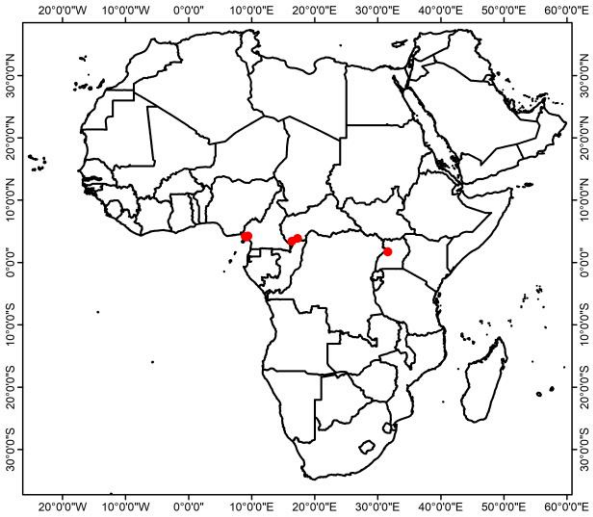

Figure 282. Distribution of *Glauconycteris egeria*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Central African Republic, Uganda.

Glauconycteris gleni Peterson and Smith, 1973

*1973. *Glauconycteris gleni* Peterson and Smith, Life Sci. Occ. Pap., R. Ont. Mus., 22: 3, figs 1 - 4. Publication date: 17 August 1973. Type locality: Cameroon: near Lomie [ca. 03 10 N 13 37 E] [Goto Description]. Holotype: ROM 57125: ad ♀, skin and skull. Collected by: Robert M. Glen and V.N. Ngam; collection date: 16 June 1970. - Etymology: In honour of Mr. Robert Glenn, Nairobi, Kenya, who collected the holotype, assisted in the collection of the Uganda series of the new species, and who has been a field companion extraordinaire. (see Peterson and Smith, 1973: 1). (Current Combination)
? *Chalinolobus gleni:* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: netopýr Glenův. English: Glen's Butterfly Bat, Glen's Wattled Bat. French: Glauconyctère de Glen, Murin à bajoues de Glen, Barbastelle de Glen. German: Glens Schmetterlingsfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Jacobs *et al.*, 2008g; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs *et al.*, 2008g; IUCN, 2009). 2004 - VU D1 ver 3.1 (2001) (Jacobs

et al., 2004m; IUCN, 2004). 1996 - LR/nt [assessed as *Chalinolobus gleni*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
It is presumably threatened in parts of its range by logging and the conversion of forest habitat to agricultural use (Jacobs *et al.*, 2008g; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008g) [in IUCN (2009)] report that there appear to be no direct conservation measures in place for this species. It is not known if the species is present within any protected areas. Additional studies are needed into the distribution, abundance, general ecology and potential threats to this species.

GENERAL DISTRIBUTION:
Glauconycteris gleni is a poorly known species and has only been recorded from the three localities in Africa. The type locality 'near Lomie' in Cameroon, from a single site in western Uganda and Tanzania (1st record: Stanley and Foley, 2008: 119).

Native: Cameroon, Tanzania (Stanley and Foley, 2008: 119); Uganda.

HABITAT:
This poorly known bat is associated with lowland tropical moist forest.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Jacobs *et al.*, 2008g; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008g; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Tanzania.

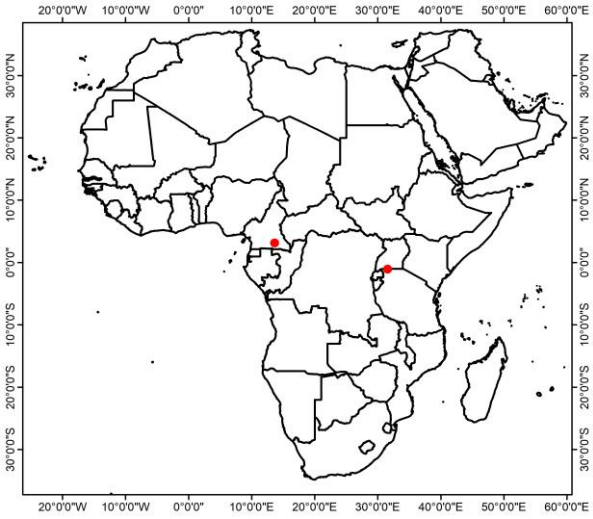

Figure 283. Distribution of *Glauconycteris gleni*

Glauconycteris humeralis J.A. Allen, 1917

*1917. *Glauconycteris humeralis* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 448, text-fig. 7 A. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Medje [02 25 N 27 18 E, 800 m] [Goto Description]. Holotype: AMNH 49013: ad ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 7 September 1910; original number: 956. (Current Combination)
? *Chalinolobus humeralis:* (Name Combination)
? *Glauconycteris beatrix humeralis:* (Name Combination)

TAXONOMY:
Included in *beatrix* by Koopman (1993a: 199), considered a subspecies of *beatrix* by Eger and Schlitter (2001), but considered a valid species by Simmons (2005).

COMMON NAMES:
Czech: netopýr medžeský. English: Allen's Spotted Bat. French: Glauconyctère tachetée. German: Gefleckte Schmetterlingsfledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Schlitter, 2008c; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Schlitter, 2008c; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Schlitter, 2004k; IUCN, 2004).

MAJOR THREATS:
The threats to this species are not known. It may be threatened within parts of its range by deforestation resulting from logging and mining activities, and the conversion of forest to farmland (Schlitter, 2008c; IUCN, 2009).

CONSERVATION ACTIONS:
Schlitter (2008c) [in IUCN (2009)] reports that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further research is needed into the distribution, natural history and threats to this poorly known forest species.

GENERAL DISTRIBUTION:
Native: Congo (The Democratic Republic of the) (Stephan *et al.*, 1987: 71; Heller *et al.*, 1994: 6; Eger and Schlitter, 2001: 7); Tanzania (Stanley and Foley, 2008: 119); Uganda.
Presence uncertain: Kenya (Aggundey and Schlitter, 1984).

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Schlitter, 2008c; IUCN, 2009).
Trend - 2008 - Unknown (Schlitter, 2008c; IUCN, 2009).

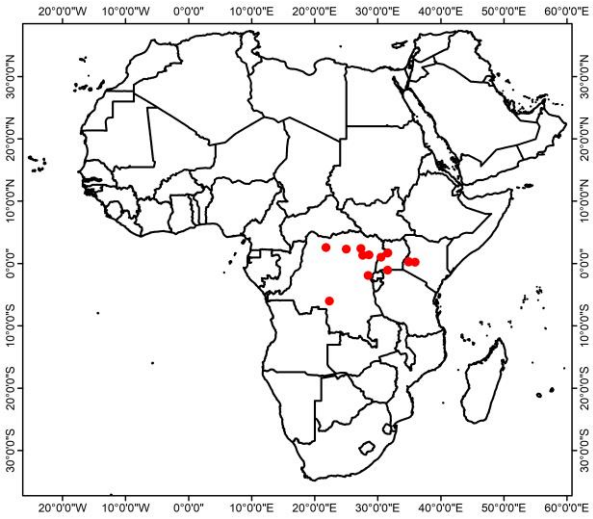

Figure 284. Distribution of *Glauconycteris humeralis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Congo (Democratic Republic of the), Kenya, Tanzania, Uganda.

Glauconycteris kenyacola Peterson, 1982

*1982. *Glauconycteris kenyacola* Peterson, Can. J. Zool., 60: 2521, figs 1 - 4. Type locality: Kenya: Coast province: on Galole road: Garsen, 8.5 km N [02 12 S 40 05 E] [Goto Description]. Holotype: ROM 71305: ad ♀, skin and skull. Collected by: Judith L. Eger and Robert M. Glen; collection date: 30 December 1970. - Etymology: From the geographical scientific Latin substantive *Kènya* and the Latin suffix -còla (-còla) "denoting one who inhabits", i.e. the species is an inhabitant of Kenya (see Peterson, 1982: 2522; Lanza *et al.*, 2015: 355. (Current Combination)
? *Chalinolobus kenyacola:* (Name Combination)
? *Chalinolobus kenyacolus (?):* (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: netopýr keňský. English: Kenyan Butterfly Bat, Kenyan Wattled Bat, Kenya Barbastelle. French: Glauconyctère du Kenya, Murin à bajoues du Kenya, Barbastelle du Kenya. German: Kenya-Schmetterlingsfledermaus. Italian: Glauconitterìde keniòta, Glauconicterìde keniòta.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence, ecological requirements, threats and conservation status (Jacobs *et al.*, 2008h; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs *et al.*, 2008h; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004l; IUCN, 2004). 1996 - DD [assessed as *Chalinolobus kenyacola*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are unclear. If it is associated with coastal forest habitats, it is likely to be threatened by extraction of wood and conversion of land to agricultural use (Jacobs *et al.*, 2008h; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008h) [in IUCN (2009)] report that it is not known if this species is present in any protected area. There is a need for additional field surveys to better understand the distribution, natural history and possible threats to this little-known species.

GENERAL DISTRIBUTION:
Glauconycteris kenyacola has only been recorded from the type locality of 'Galole Road, 8.5 km north of Garsen, Coast Province, Kenya' (Peterson,

1982).

Native: Kenya (Peterson, 1982; Aggundey and Schlitter, 1984).

POPULATION:
Structure and Density - This species is known only from the type collection (Jacobs *et al.*, 2008h; IUCN, 2009)..
Trend - 2008 - Unknown (Jacobs *et al.*, 2008h; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Kenya.

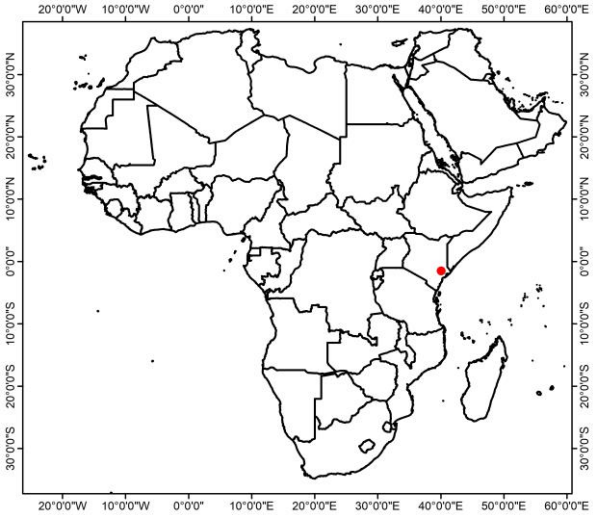

Figure 285. Distribution of *Glauconycteris kenyacola*

Glauconycteris machadoi Hayman, 1963

*1963. *Glauconycteris machadoi* Hayman, Publ. Cult. Comp. Diamantes Angola, Lisboa, 66: 107. Type locality: Angola: Lac Calundo [11 48 S 20 52 E]. Holotype: BMNH 1962.2074. (Current Combination)
? *Chalinolobus machadoi:* (Name Combination)

TAXONOMY:
Included in *variegata* as a melanistic population by Koopman (1993a: 200), but considered a valid species by Simmons (2005).

COMMON NAMES:
Czech: netopýr Machadův. English: Machado's Butterfly Bat. French: Glauconyctère de Machado. German: Machados Schmetterlings-fledermaus.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence, ecological requirements, threats and conservation status (Schlitter, 2008d; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Schlitter, 2008d; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Schlitter, 2004d; IUCN, 2004).

MAJOR THREATS:
The threats to this species are not known (Schlitter, 2008d; IUCN, 2009).

CONSERVATION ACTIONS:
Schlitter (2008d) [in IUCN (2009)] reports that this species does not appear to be present in a protected area. Further taxonomic studies are needed for this species, as is field research into the distribution, natural history and possible threats to this little-known species.

GENERAL DISTRIBUTION:
Glauconycteris machadoi has only been recorded from the type locality of 'Lac Calundo'. in eastern Angola (see Rambaldini, 2010: 252).

Native: Angola (Hayman, 1963).

POPULATION:
Structure and Density - It is known only from the holotype (Schlitter, 2008d; IUCN, 2009).
Trend - 2008 - Unknown (Schlitter, 2008d; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola.

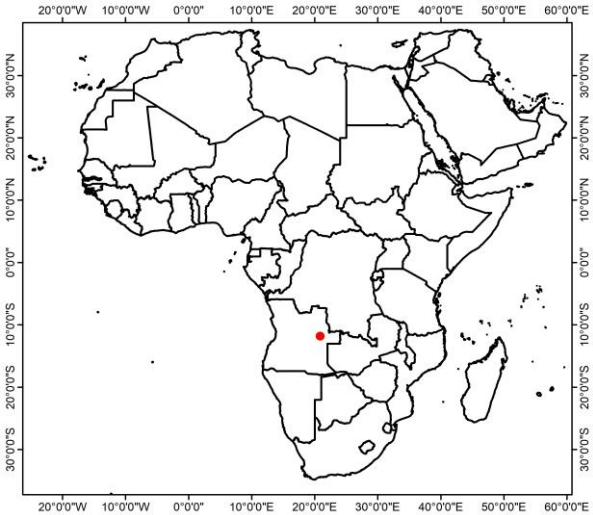

Figure 286. Distribution of *Glauconycteris machadoi*

Glauconycteris poensis (Gray, 1842)

*1842. *Kerivoula poensis* Gray, Ann. Mag. nat. Hist., [ser. 1], 10 (65): 258. Publication date: 1 December 1842. Type locality: Nigeria: Lower Niger River: Abo [=Aboh] [05 33 N 06 32 E]. Holotype: BMNH 1842.11.4.33. - Comments: Type locality originally "Fernando Po", but in reality Abo, Lower Niger: see Allen and Thomson, Exp. Niger, 2: 479, 1848 in Allen, 1939a: 88, Grubb *et al.*, 1998: 89). Dobson (1878: 256) mentions an ad skull, as type presented by T. Thompson, Esq. R.N., originating from Fernando Po.
1868. *Vesperus (Hesperoptenus) kraussii* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 638. Publication date: 1868. Type locality: Nigeria: S Nigeria: Yoruba. - Comments: Type specimen: SMNH ???, ad ♀ (see Dobson, 1878: 255). (Name Combination)
? *Chalinolobus poensis:* (Name Combination)
? *Glauconycteris poensis:* (Name Combination, Current Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: netopýr abonský. English: Abo Butterfly Bat, Abo Bat. French: Glauconyctère d'Abo, Murin à bajoues d'Abo, Barbastelle d'Abo. German: Abo-Schmetterlingsfledermaus, Westafrikanische Nachtfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008l; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008l; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004k; IUCN, 2004). 1996 - LR/nt [assessed as *Chalinolobus poensis*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
It is presumably threatened in parts of its range by habitat loss resulting from logging and similar activities (Jacobs *et al.*, 2008l; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008l) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected area. Further field surveys are needed to better determine the distribution of this species, and to gather additional information on the natural history of this little-known bat.

GENERAL DISTRIBUTION:
Glauconycteris poensis is largely distributed in West and Central Africa, with a possible record from northeastern Tanzania. It ranges from Senegal in the west, through much of West Africa to Cameroon, Equatorial Guinea (the island of Bioko) and the Democratic Republic of the Congo in Central Africa.

Native: Benin (Capo-Chichi *et al.*, 2004: 162); Cameroon; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966); Côte d'Ivoire; Equatorial Guinea (Bioko); Ghana (Jeffrey, 1975; Decher and Fahr, 2007: 20); Guinea (Fahr *et al.*, 2006a: 74); Guinea-Bissau (Rainho and Ranco, 2001: 68); Liberia (Koopman, 1989b; Koopman *et al.*, 1995; Monadjem and Fahr, 2007: 50); Nigeria (Happold, 1987); Senegal; Sierra Leone; Tanzania (Stanley and Foley, 2008: 119); Togo.
Presence uncertain: Kenya.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Hayman and Jones (1950) mention a large variation in shoulder spots and flank stripes in individuals from Sierra Leone, sometimes being asymmetrical (a spot on one shoulder only). During their study of *Glauconycteris*, Hassanin *et al.* (2017: 16) never found asymmetrical spots in *G. poensis*, and they therefore caution the statement by Hayman and Jones (1950) and indicate that the specimens from Sierra Leone should be re-examined to confirm their identification.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Heller *et al.* (1994: 6).

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Porter *et al.* (2010) report for Gabon $2n = 22$, with all chromosomes being distinctly biarmed, with ten pairs are metacentric or slightly submetacentric and one pair (the smallest) is subtelocentric. The lack of chromosomal heteromorphism in the male suggests a neo-XY sex determining system in this species.
Protein / allozyme - Unknown.

HABITAT:
Associated with lowland tropical moist forest (Happold, 1987).

In the Mount Nimba area, Monadjem *et al.* (2016y: 368) found this species widely present in forested habitats, in degraded secondary forests as well as on the edge of a small village, at altitudes between 450 and 880 m.

ROOST:
Roost in holes in trees, on the fronds of coconut palms, and presumably in similar vegetation (Rosevear, 1965; Jeffrey, 1975; Happold, 1987).

POPULATION:
Structure and Density - Colonies are formed of small groups of animals, up to eight individuals. While the species is generally rare, it is considered to be one of the more common forest species of the genus *Glauconycteris* (Jacobs *et al.*, 2008I; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008I; IUCN, 2009).

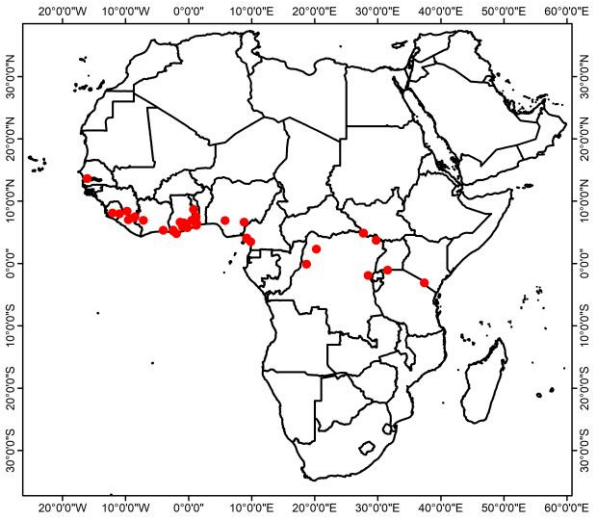

Figure 287. Distribution of *Glauconycteris poensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Cameroon, Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Liberia, Nigeria, Senegal, Sierra Leone, South Sudan, Tanzania, Togo.

Glauconycteris superba Hayman, 1939

*1939. *Glauconycteris superba* Hayman, Ann. Mag. nat. Hist., ser. 11, 3 (14): 219, figs 1 - 2. Publication date: 1 February 1939. Type locality: Congo (Democratic Republic of the): Oriental province: Ituri District: about 30 mi (45 km) ENE of Medje: Pawa [02 32 N 27 40 E] [Goto Description]. Holotype: RMCA 14765: ad ♂, skull and alcoholic. Collected by: Dr. Albert Dubois. Hayman (1939: 220) mentions that this specimen is probably a male as the sexual organs were cut away by Dr. Dubois when preparing the specimen. (Current Combination)
1947. *Glauconycteris superba sheila* Hayman, Ann. Mag. nat. Hist., ser. 11, 13 (103): 503 (for 1946). Publication date: 7 August 1947. Type locality: Ghana: Central province: Oda district: Oda [05 55 N 00 56 W] [Goto Description]. Holotype: BMNH 1947.10: ad ♀, skull and alcoholic. Collected by: George Soper Cansdale; collection date: 6 December 1946; original number: 807. - Etymology: In honour of Mrs. Cansale, wife of the collector (see Hayman, 1947c: 550).
2013. *Niumbaha superba:* Reeder, Helgen, Vodzak, Lunde and Ejotre. (Name Combination)
? *Chalinolobus superbus:* (Name Combination)

TAXONOMY:
See Simmons (2005).

Reeder *et al.* (2013: 93) proposed to place *superba* into a separate, new genus: *Niumbaha* Reeder, Helgen, Vodzak, Lunde and Ejotre, 2013 as they found most external features to be different from *Glauconycteris sensu stricto*. However, as this view is not yet confirmed, we tentatively retain this species in the genus *Glauconycteris*.

Using *Cytb* and RAG2 data, Hassanin *et al.* (2017: 1) found that *superba* is a sister-group of *G. variegata*, which seems to confirm that *Niumbaha* should probably be considered a synonym of *Glauconycteris*.

COMMON NAMES:
Czech: netopýr iturijský. English: Superb Butterfly Bat, Pied Butterfly Bat, Pied Bat, Badger bat. French: Glauconyctère pie, Murin à bajoues pie, Barbastelle bariolée. German: Schwarz-Weiße Schmetterlingsfledermaus, Große Schmetterlingsfledermaus.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more

threatened category (Fahr *et al.*, 2008; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Fahr *et al.*, 2008; IUCN, 2009). 2004 - VU B2ab(iii) ver 3.1 (2001) (Fahr *et al.*, 2004; IUCN, 2004). 1996 - VU [assessed as *Chalinolobus superbus*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
As it has only been recorded from closed forest, it may be threatened by deforestation due to general logging and conversion of land to agricultural use (Fahr *et al.*, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr *et al.* (2008) [in IUCN (2009)] report that there appear to be no direct conservation measures in place for this species. It may be protected within the Ituri Forest, although this needs to be confirmed. There is a need for further directed field surveys to better determine the distribution, natural history and possible threats to this species.

GENERAL DISTRIBUTION:
Recorded from Côte d'Ivoire (locality not given) (Peterson and Smith, 1973); from Oda in Oda Province, Ghana (Hayman, 1947c; Grubb *et al.*, 1998); and from the Ituri Forest in northeastern Congo (Hayman, 1939; Hayman *et al.*, 1966). It has previously been reported to occur in Uganda, however, this is now considered to be in error. It may be present in Sierra Leone, however, it has yet to have been recorded in this country (Grubb *et al.*, 1998).
In 2013, two new records were reported: one from the Democratic Republic of the Congo (Gembu Tungaluna *et al.*, 2013), and one from South Sudan (Reeder *et al.*, 2013).

Native: Congo (The Democratic Republic of the) (Hayman, 1939; Hayman *et al.*, 1966; Gembu Tungaluna *et al.*, 2013); Côte d'Ivoire (Peterson and Smith, 1973); Ghana (Hayman, 1947c; Grubb *et al.*, 1998), South Sudan (Reeder *et al.*, 2013)
Presence uncertain: Sierra Leone (Grubb *et al.*, 1998).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Based on a series of 10 specimens, Ing *et al.* (2016: 479) found that both males and females have the same coloration pattern: three white markings on the head; a large white ruff on the throat, which is disconnected from two large white lateral stripes; and two white spots on the shoulders. One specimen had three shoulderspots. They also have four white stripes on the back. Around the sexual organs, the white colour is not pure, but yellowish, possibly the result of polution by bodily fluids.

Based on the Fa (47.5 mm) and Tibia (21.3 mm), Ing *et al.* (2016: 482) suspect that the holotype of *G. superba* is rather a female than "probably a male" as indicated by Hayman (1939).

SEXUAL DIMORPHISM:
On a series consisting of four ♀♀ and six♂♂, Ing *et al.* (2016: 479) found the females to be 5 % larger (Fa, Tib and 5th finger) and 10 % heavier than males.

ECHOLOCATION:
Ing *et al.* (2016: 481) found that the bats emitted sounds alternating between two distinct frequencies: **A**: range: 20.5 - 57.0 kHz, F_{min}: 22.9 ± 1.4 (20.5 - 25.1) kHz, F_{max}: 36.8 ± 6.6 (29.1 - 57.0) kHz, $F_{max\ energy}$: 25.7 ± 2.2 (22.4 - 30.9) kHz, bandwidth: 13.8 ± 6.3 (5.9 - 32.6) kHz, duration: 5.6 ± 1.9 (3.1 - 9.6) ms; and **B**: range: 27.3 - 73.3 kHz, F_{min}: 29.8 ± 1.3 (27.3 - 31.3) kHz, F_{max}: 57.0 - 13.5 (38.8 - 73.3) kHz, $F_{max\ energy}$: 33.0 ± 3.0 (28.8 - 38.2) kHz, bandwith: 27.1 ± 13.2 (9.1 - 43.3) kHz, duration: 6.4 ± 1.8 (4.0 - 10.1) ms. The B type of call is produced when the wing beat becomes constant.

HABITAT:
This species is associated with 'heavy' or closed lowland tropical moist forest (Rosevear, 1965; Hayman and Hill, 1971).

Based on wing measurements, however, Ing *et al.* (2016: 482) found that *G. superba* has long wings, which are adapted for high-speed flight. The high wing loading values, furthermore, indicate low manoeuvrability. These are features which are generally found in bats flying in uncluttered or open space, i.e., above the canopy.

HABITS:
After being released, the bats flew at speeds of about 1 to 9 m/s (average 4 - 6 m/s) (Ing *et al.*, 2016: 482).

POPULATION:
Structure and Density - It is currently known only from three specimens. It is very rare, or at least rarely collected (Hayman and Hill, 1971; Grubb *et al.*, 1998).
Trend - 2008 - Unknown (Fahr *et al.*, 2008; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Two of the four females that were captured on Mbiye island (DRC) by Ing *et al.* (2016: 479) in December 2013 were lactating.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, South Sudan.

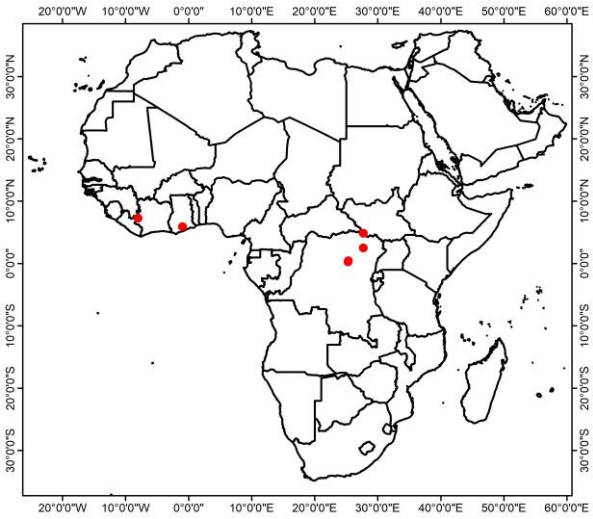

Figure 288. Distribution of *Glauconycteris superba*

Glauconycteris variegata (Tomes, 1861)

*1861. *Scotophilus variegatus* Tomes, Proc. zool. Soc. Lond., 1861, I: 31, 36. Publication date: May 1861. Type locality: Namibia: Ovamboland: about 32 km west of Ondongwa: Otjoro [=Otjihoro] [ca. 17 54 S 15 38 E] [Goto Description]. Syntype: BMNH 1907.1.1.437: skin and skull. Collected by: 1 Anderson; collection date: 1 December 1859. See Tomes (1861b: 39). Syntype: BMNH 1907.1.1.438: skin and skull. Collection date: 1 December 1859. See Tomes (1861b: 39). Syntype: ZMB 3033: ♂, skin and skull. Collected by: Andersson; collection date: 1 December 1859. See Turni and Kock (2008). - Comments: For details about the type locality, see Shortridge (1934), Meester *et al.* (1986: 54). - Etymology: From the feminine scientific Latin adjective *variegàta*, meaning "variegated", referring to the dark reticular pattern on the wings (see Lanza *et al.*, 2015: 356).

1905. *Glauconycteris papilio* Thomas, Ann. Mag. nat. Hist., ser. 7, 15 (85): 77. Publication date: 1 January 1905. Type locality: Uganda: Entebbe [00 04 N 32 28 E, 3 800 ft] [Goto Description]. Holotype: BMNH 1899.8.4.14: ♀, skin and skull. Collected by: F.J. Jackson Esq. Collection date: 10 April 1895. Presented/Donated by: F.J. Jackson Esq. Thomas (1905a: 77), who also mentions specimens from "Gambaga, Gold Coast (Giffard), and Tette, Zambesi (Boyd Alexander)".

1915. *Glauconycteris phalæna* Thomas, Ann. Mag. nat. Hist., 8, 15 (90): 560. Publication date: 1 June 1915. Type locality: Sudan: White Nile province: Malakal district: Fashoda, near [09 50 N 32 00 E] [Goto Description]. Holotype: BMNH 1915.3.6.67: ad ♀. Collected by: Willoughby P. Lowe; collection date: 27 January 1914; original number: 71. - Etymology: From the Greek for moth (see Jaeger, 1972).

2015. *Glauconycteris variegate:* Gunnell, Butler, Greenwood and Simmons, Am. Mus. Novit., 3846: 34. Publication date: 16 December 2015. (Lapsus)

? *Chalinolobus (Glauconycteris) variegata:* (Name Combination, Alternate Spelling)

? *Chalinolobus (Glauconycteris) variegatus:* (Name Combination)

? *Chalinolobus variegatus:* (Name Combination)

? *Glauconycteris variegata papilio:* (Name Combination)

? *Glauconycteris variegata variegata:* (Name Combination)

? *Glauconycteris variegata:* (Name Combination, Current Combination)

? *Glauconycteris variegatus:* (Name Combination, Alternate Spelling)

TAXONOMY:
Koopman (1971: 6; Koopman, 1993a: 200) included *machadoi*, and believed it to be a melanistic mutant population, but see Simmons (2005).

COMMON NAMES:
Afrikaans: Vlindervlermuis. Czech: netopýr motýlí. English: Variegated Butterfly Bat, Butterfly Bat, Leaf-winged bat. French: Glauconyctère papillon, Murin à bajoues papillon, Chauve-souris réticulée, Chauve-souris papillon. German: Genetzte Schmetterlingsfledermaus. Italian:

Glauconitterìde variegàta, Glauconicterìde variegàta. Portuguese: Morcego borboleta.

ETYMOLOGY OF COMMON NAME:
The colloguial name may be derived from the dark reticulated pattern on the wings, which has led to their being called leaf-winged bats (Taylor 2005). Although it is said that they resemble a large butterfly in flight, they are by no means butterfly-like in this respect (Taylor, 2005).

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Rambaldini (2010: 255) refers to Avery (1991), who mentioned finding fossil remains in very late Holocene layers at Border Cave, KwaZulu Natal.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008j; IUCN, 2009; Rambaldini, 2010: 256).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008j; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004j; IUCN, 2004). 1996 - LR/lc [assessed as *Chalinolobus variegatus*] (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) [assessed as (Schoeman *et al.*, 2016c).2004 - NT ver 3.1 (2001) [assessed as *G. variegatus*] (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
In view of the species wide range and availability of extensive suitable habitat, there are no major threats to this species. This species is threatened in parts of its range by habitat loss resulting from logging activities and the conversion of land to agricultural use (Jacobs *et al.*, 2008j; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008j) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. In view of the species wide distribution it is presumably present in some protected areas.

GENERAL DISTRIBUTION:
Glauconycteris variegata is widely, but patchily, recorded throughout much of sub-Saharan Africa. It ranges from Senegal and The Gambia in West Africa, through West and Central Africa to Ethiopia and Somalia in the east, from here it ranges south through East Africa and southern Africa, being recorded as far south as northeastern South Africa.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 976,983 km^2.

Rambaldini (2010: 254-255) confirms that there are no records from the central regions of The Democratic Republic of the Congo, northern Congo Republic, northeastern Gabon, Equatorial Guinea, and the southern parts of Cameroon, Nigeria and Benin. Furthermore, it seems missing from the coastal areas of southwestern Ghana, Côte d'Ivoire, Liberia and Sierra Leone.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 562); Benin (Capo-Chichi *et al.*, 2004: 162); Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 562); Burkina Faso (Kangoyé *et al.*, 2012: 6025; 2015a: 618); Cameroon; Chad; Congo; Congo (The Democratic Republic of the) (Schouteden, 1944; Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 562); Ethiopia (Yalden *et al.*, 1996; Lavrenchenko *et al.*, 2004b: 137); Gabon; Gambia; Ghana; Kenya; Malawi (Happold *et al.*, 1988; Ansell and Dowsett, 1988; Happold and Happold, 1997b: 821; Monadjem *et al.*, 2010d: 562); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 562; Monadjem *et al.*, 2010c: 383); Namibia (Cotterill, 2004a: 262; Monadjem *et al.*, 2010d: 562); Nigeria (Happold, 1987); Rwanda; Senegal; Somalia; South Africa (Monadjem *et al.*, 2010d: 562); Sudan (Koopman, 1975); Swaziland; Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 62); Zambia (Ansell, 1957; Ansell, 1969; Ansell, 1973; Ansell, 1974; Monadjem *et al.*, 2010d: 562); Zimbabwe (Monadjem *et al.*, 2010d: 563).

DENTAL FORMULA:
$^{2113}/_{3123}$ = 32.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

SEXUAL DIMORPHISM:
Rambaldini (2010: 253) indicates that females are slightly larger than males in body dimensions, but not in weight.

ECHOLOCATION:
Rambaldini (2010: 255) mentions that the echolocation vocalizations are high-intensity, frequency-modulated calls typically starting from 70 kHz and ending at 30 kHz, and are sometimes including a 2nd harmonic, and rarely a 3rd one.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).

Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 18, FN = 32, BA = 16, a medium sized subtelocentric X chromosome, and a small metacentric Y chromosome, for specimens from South Africa.
Protein / allozyme - Unknown.

HABITAT:
Glauconycteris variegata is an inhabitant ot savannah, woodland, or open country–bushveldt habitats (see Rambaldini, 2010: 255).

ROOST:
Thatched roofs of abandoned huts and among dense vegetation (Allen *et al.*, 1917; Ansell and Dowsett, 1988; Taylor, 1998).

DIET:
Glauconycteris variegata eats airborne prey, primarily soft-bodied insects such as moths (see Kingdon, 1974; Fenton *et al.*, 1977a).

POPULATION:
Structure and Density - Colonies of this species are small, and there are believed to be less than 10,000 individuals in total (Jacobs *et al.*, 2008j; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008j; IUCN, 2009, Rambaldini, 2010: 256).

REPRODUCTION AND ONTOGENY:
Anciaux de Faveaux (1970) in Rambaldini (2010: 255) indicates that this species is monoestrus, but that the seasonal reproductive cycle can change across its range. Kingdon (1974) reported sexually active males from southern Uganda in July and October, whereas Monard (1935) did not find any sexually active adults in July in Angola. Lang and Chapin (1917b) reported pregnant females from the Democratic Republic of the Congo in March. From Zimbabwe, Smithers and Wilson (1979) reported pregnant females in August. Bernard and Cumming (1997) [in Krutzsch (2000: 116)] suggested that *H. caffer* poses some kind of a problem as it is clearly monoestrous in some parts of its range but possibly bimodally or continuously polyoestrous in other parts.

PARASITES:
BACTERIA
Dietrich *et al.* (2016b: 3) found one out of three bats tested positive for *Rickettsia* in Rocktail Bay (RSA). Also from the RSA, Dietrich *et al.* (2018a: 4) reported the presence of *Leptospira kirschneri*.

Protozoa
Kassahun *et al.* (2015: 168) examined eight Ethiopian *G. variegata* specimens and found one of them (from Bedele) to be infected by *Leishmania* parasites.

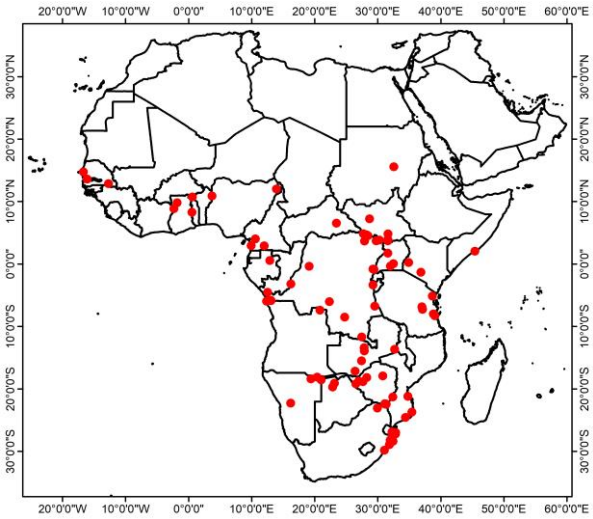

Figure 289. Distribution of *Glauconycteris variegata*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Benin, Botswana, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Gabon, Ghana, Kenya, Mozambique, Namibia, Nigeria, Senegal, Somalia, South Africa, South Sudan, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

Genus ***Hypsugo*** Kolenati, 1856

*1856. *Hypsugo* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (2): 131. Publication date: 1856. - Comments: Type species: *Vespertilio savii* Bonaparte, 1837. - Etymology: From the Greek "*υψι*", (hýpsi) meaning "on high" or "aloft" and the ending -"ugo" (as in *Nannugo* and *Vesperugo*) (see Palmer, 1904: 343). Lanza *et al.* (2015: 380) suggest the following "From the neuter Greek substantive "*ύψος*" (hýpsos) "height" + the suffix *-ugo* of the feminine Latin substantive *vesperùgo* 'evening star', i.e. a bright planet (as Venus), seen in the western sky after sunset, corresponding to the Latin 'stella matutina', the planet Venus, appearing first in the nocturnal sky and disappearing first from the morning one. By extension *Vesperugo* has assumed also the meaning of 'bat'; hence *Hypsugo* means 'mountain bat' as *H. maurus* Kolenati, 1856 a synonym of *savii*, was collected in the central chain of Alps". (Current Combination)
1993. *Ypsugo:* Ariagno, Le Bièvre, 13: 118. (Lapsus)

TAXONOMY:
Meester *et al.* (1986: 50) mention *Vespertilio maurus* Blasius (=*Vespertiio savii* Bonaparte) and *Vesperugo kraschenikovii* Eversmann as type species, but this was fixed to *Vespertilio savii* Bonaparte by Wallin (1969: 329), see Corbet and Hill (1992: 133).

Helbig *et al.* (2010: 168) suggest that *Hypsugo* is actually a para- or polyphyletic group, which would become monophyletic if the African forms are transferred to the genus *Nycticeinops*.

Monadjem *et al.* (2016y: 369) mention an undescribed species, belonging to the genus *Hypsugo* from the Mount Nimba area in Liberia.

Known species of the genus *Hypsugo*: *alaschanicus* Bobrinskii, 1926 – Mongolia, China, Russian Far East to Korea and Tsushima Isl (Japan) (Simmons, 2005: 489); ***anchietae*** (de Seabrae, 1900); *anthonyi* (Tate, 1942) – Burma (Simmons, 2005: 489); *arabicus* (Harrison, 1979) – Oman, Iran (Simmons, 2005: 489); ***ariel*** (Thomas, 1904); *bodenheimeri* (Harrison, 1960) – Israel, Saudi Arabia, southern Yemen, Oman (Yemen) (Simmons, 2005: 490); *cadornae* (Thomas, 1916) – northeastern India, Burma, Thailand, Vietnam, Laos (Simmons, 2005: 490); ***crassulus*** (Thomas, 1904); ***eisentrauti*** (Hill, 1968); *imbricatus* (Horsfield, 1824) – Java, Kangean Isl, Bali and Lesser Suda Isls, Borneo (Simmons, 2005: 490); *joffrei* (Thomas, 1915) – northern Burma (Simmons, 2005: 490); *kitcheneri* (Thomas, 1915) – Borneo (Simmons, 2005: 491); ***lanzai*** Benda, Al-Jumaily, Reiter and Nasher, 2011; *lophurus* (Thomas, 1915) – Burma Peninsular (Simmons, 2005: 491); *macrotis* (Temminck, 1840) – western Malaysia, Sumatra, Bali and adjacent small islands (Simmons, 2005: 491); ***musciculus*** (Thomas, 1913); *pulveratus* (Peters, 1871) – Szechwan, Yunnan, Hunan, Kiangsu, Fukien (China), Hong Kong, Thailand, Laos, Vietnam (Simmons, 2005: 491); *savii* (Bonaparte, 1837) – France, Portugal, Spain, Italy, southern Switzerland, Austria, eastern Hungary, Balkan countries, Morocco, Crimea and Caucasus, Turkey, Lebanon, Syria, Israel, Iran, Kazakhstan, Turkmenistan, Uzbekistan, Kyrgyzstan, Tajikistan, Afghanistan to northern India and Burma (Simmons, 2005: 491); *vordermanni* (Jentink, 1890) – Belitung Isl (Indonesia), Borneo (Sarawak, Malaysia) (Simmons, 2005: 492).

COMMON NAMES:
Czech: skalní netopýři. English: Mountain Pipistrelle Bats. French: Vespères. Italian: Ipsùghi.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Guinea, Kenya.

Hypsugo anchietae (Seabra, 1900)

1900. *V[esperugo] Anchietæ:* Bocage, Bull. Mus. natn. Hist. nat., Paris, 6: 164. (Name Combination, Alternate Spelling)
*1900. *Vesperugo Anchieta* Seabra, J. Sci. mat. phys. nat., ser. 2, 6 (21): 26. Publication date: August 1900. Type locality: Angola: Cahata [12 20 S 14 50 E] [Goto Description]. Paratype: MNHN ZM-MO-1900-538: ad ♀, skull and alcoholic. Collected by: José Alberto de Oliveira Anchieta. Number 211 in Rode (1941: 246). Syntype: BMNH 1906.1.3.1: ad ♀, skull and alcoholic. - Etymology: This species is named after Mr Anchieta, a Portuguese national, who was a prolific collector of zoology material in Angola in the 1860's and who has numerous reptiles, birds and mammals named after him (Taylor, 2005).
1935. *Pipistrellus anchietae:* Monard, Arq. Mus. Bocage, 6: 31. (Name Combination, Current Spelling)
1953. *Pipistrellus (Pipistrellus) anchietai:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 78. (Name Combination, Alternate Spelling)
1965. *Pipistrellus anchietai:* Koopman, Am. Mus. Novit., 2219: 30. (Name Combination)
1987. *[Attalepharca] anchietae:* Menu, Palaeovert., 17 (3): 126. (Name Combination)
1987. *Pipistrellus (Hypsugo) anchietae:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 273. (Name Combination)
1993. *Pipistrellus (Hypsugo) anchietai:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 219. (Name Combination)
1994. *H[ypsugo] anchietae:* Heller, Volleth and Kock, Senckenb. biol., 74 (1/2): 1. (Name Combination, Current Combination)
2001. *P[ipistrellus] (Hypsugo) anchieta:* Kock, Senckenb. biol., 81 (1/2): 279. (Name Combination)
2002. *Hypsugo anchietae:* Kearney, Volleth, Contrafatto and Taylor. (Name Combination)
2017. *Hypsugo anehietai:* Gunnell, Smith and Smith, PLoS ONE, 12 (3): Suppl. Publication date: 8 March 2017. (Lapsus)

? *Hypsugo cf. anchietae:*
? *Pipistrellus (Hypsugo) anchieta:* (Name Combination, Alternate Spelling)

TAXONOMY:

Figure 290. *Hypsugo anchietae* (ECJS-119/2009) caught in the Okavango, Botswana.

The oldest name for this species may be *bicolor*; see Koopman (1975: 404). Koopman (1994: 114) mentions this species as *P. bicolor* in the subgenus *Pipistrellus*. Incorrect original spelling as *anchieta*, corrected to *anchietae* by Seabra (1900b: 120).

COMMON NAMES:
Afrikaans: Anchieta-vlermuis. Czech: netopýr Anchietův. English: Anchieta's Pipistrelle, Anchieta's Bat, Miombo pipistrelle. French: Vespère d'Anchieta, Pipistrelle du Miombo, Pipistrelle d'Anchieta. German: Anchietas Zwergfledermaus, Anchietas Pipistrelle.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, it occurs in a number of protected areas, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008ap; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Pipistrellus anchietae*] (Jacobs *et al.*, 2008ap; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004aq; IUCN, 2004). 1996 - VU [assessed as *Pipistrellus anchietai*] (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016i). 2004 - NT ver 3.1 (2001) [assessed as *Pipistrellus anchietae*] (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species, although further research is needed to confirm this (Jacobs *et al.*, 2008ap; IUCN, 2009).

Trend - 2008 - Unknown (Jacobs *et al.*, 2008ap; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008ap) [in IUCN (2009)] report that it is present in a number of protected areas in Zimbabwe and South Africa. Further studies are needed into the distribution, natural history and possible threats to this species.

GENERAL DISTRIBUTION:
Hypsugo anchietae is largely a southern African species which ranges from Angola in the west, through southern Democratic Republic of the Congo, and from here south into Zambia, Zimbabwe, and eastern South Africa. It could be more widespread in southern Africa than is currently understood (Skinner and Chimimba, 2005). The species has recently been recorded from Madagascar for the first time, where it was collected from four localities (Kirindy Forest [CFPF]; Sept Lacs; Parc National de Kirindy-Mitea; Parc National de Zombitse-Vohibasia) (Bates *et al.*, 2006: 319).

South of 8° S, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 987,832 km^2.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 563); Botswana (Monadjem *et al.*, 2010d: 563); Congo (The Democratic Republic of the); Madagascar (Bates *et al.*, 2006: 319); Mozambique (Monadjem *et al.*, 2010d: 563); South Africa (Koopman, 1994: 114; Kearney and Taylor, 1997: 54; Monadjem *et al.*, 2007c as *H. cf. anchietae*; Monadjem *et al.*, 2010d: 563); Swaziland (Monadjem *et al.*, 2010d: 563); Zambia (Ansell, 1973; Monadjem *et al.*, 2010d: 563); Zimbabwe (Monadjem *et al.*, 2010d: 563).
Presence uncertain: Namibia (Cotterill, 2004a: 261).

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002).

ECHOLOCATION:
Schoeman and Waddington (2011: 291) mention a peak frequency of 55.9 ± 0.3 kHz and a duration of 2.1 ± 0.1 msec for specimens from Durban, South Africa.

MOLECULAR BIOLOGY:
DNA - Unknown.

Karyotypic - Rautenbach *et al.* (1993) and Kearney *et al.* (2002) both reported 2*n* = 26, FN = 32, BA = 8, a submetacentric X chromosome, and an acrocentric Y chromosome, for specimens from South Africa.
Protein / allozyme - Unknown.

HABITAT:
In southern Africa, the species primarily occurs in Savanna (85 %) and Coastal mosaic (10 %) habitats (Cooper-Bohannon *et al.*, 2016: Table S2).

POPULATION:
Structure and Density - It is a locally common species in southern Africa. Very few specimens are currently known from Madagascar (Jacobs *et al.*, 2008ap; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008ap; IUCN, 2009).

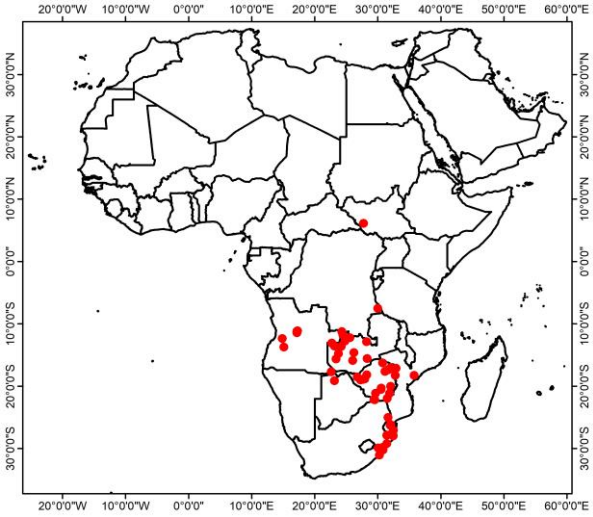

Figure 291. Distribution of *Hypsugo anchietae*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Botswana, Congo (Democratic Republic of the), Ethiopia, Mozambique, South Africa, South Sudan, Swaziland, Zambia, Zimbabwe.

Hypsugo ariel (Thomas, 1904)

*1904. *Pipistrellus ariel* Thomas, Ann. Mag. nat. Hist., ser. 7, 14 (80): 157. Publication date: 1 August 1904. Type locality: Sudan: Kassala province: Wadi Alagi [ca. 22 N 35 E, 2 000 ft] [Goto Description]. Holotype: BMNH 1904.11.4.7: ad ♀, skin and skull. Collected by: Arthur M. MacKilligan; collection date: 12 August 1903; original number: 28. See Qumsiyeh (1985: 54).
1966. *Pipistrellus (Pipistrellus) ariel:* Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian Mammals 1758 to 1946. (Second Edition), 171. (Name Combination)
1987. *Pipistrellus (Hypsugo) ariel:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 281. (Name Combination)
1991. *Pipistrellus ariel ariel:* Harrison and Bates, Mammals of Arabia, 92. (Name Combination)
2000. *Hypsugo ariel:* Horácek, Hanák and Gaisler, Bats of the Palearctic region, 126. (Name Combination, Current Combination)

TAXONOMY:
Mentioned in the subgenus *Pipistrellus* by Koopman (1994: 115). Harrison and Bates (1991: 93) assign the Arabian specimens to *P. a. ariel*, although they do not mention any other subspecies. Horácek *et al.* (2000: 126) mention it in the genus *Hypsugo*.

COMMON NAMES:
Czech: netopýr pouštní. Dutch: Woestijndwergvleermuis. English: Pygmy Pipistrellus, Ariel Pipistrelle, Egyptian Desert Pipistrelle, Desert Pipistrelle, Fairy Pipistrelle. French: Vespère ariel, Pipistrelle ariel. German: Elfen-Zwergfledermaus, Elfen-Pipistrelle.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence, status and ecological requirements (Benda and Aulagnier, 2008; IUCN, 2009).
Assessment History -
2008 - DD ver 3.1 (2001) [assessed as *Pipistrellus ariel*] (Benda and Aulagnier, 2008; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Benda, 2004c; IUCN, 2004). 1996 - LR/nt assessed as *Pipistrellus ariel* (Baillie and Groombridge, 1996).

MAJOR THREATS:
Loss of natural habitat because of agricultural intensification. The species is affected by pesticides, although this is not considered a major threat (Z. Amr *pers. comm.*, 2005 [in Benda and Aulagnier (2008) in IUCN (2009))].

CONSERVATION ACTIONS:
Benda and Aulagnier (2008) [in IUCN (2009)] report that no conservation actions are in place. Further research on the taxonomy, population ecology and trends is required and the extent of the range requires further clarification.

GENERAL DISTRIBUTION:
Hypsugo ariel has been recorded from Israel, Jordan and Egypt (including the Sinai) within the Mediterranean (Dietz, 2005). Outside the area the range extends to Saudi Arabia, and Yemen. In Africa it is recorded from northern Sudan (type locality, see Simmons, 2005). Approximately five localities known in northeast Africa, including Egypt and Sudan.

The specimens from Socotra (Yemen) are now considered to belong to a separate species: *Hypsugo lanzai* (see Benda *et al.*, 2011b: 37).

Native: Egypt (Sinai); Israel; Jordan; Palestinian Territory, Occupied; Saudi Arabia; Sudan; Yemen (South Yemen).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

Figure 292. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1904.11.4.7, holotype of *Pipistrellus ariel* Thomas, 1904.

DETAILED MORPHOLOGY:
Baculum - Benda *et al.* (2011b: 38).

ECHOLOCATION:
From Jordan, Benda *et al.* (2010b: 204) reported the following parameters for 129 calls: F_{start}: 58.1 ± 4.1 (47.7 - 75.0) kHz, F_{end}: 43.0 ± 2.1 (30.0 - 47.4) kHz, F_{peak}: 46.4 ± 1.3 (43.4 - 49.0) kHz, Pulse duration: 4.1 ± 0.8 (2.4 - 7.2) msec., and Inter-pulse interval: 81.9 ± 18.9 (45.0 - 193.0) msec.

POPULATION:
Structure and Density - The population is apparently small but is probably stable (Z. Amr *pers. comm.*, 2005 in Benda and Aulagnier (2008) [in IUCN (2009)]).
Trend - 2008 - Unknown (Benda and Aulagnier, 2008; IUCN, 2009). *P. ariel* populations within the Asia Minor and Levant region are unknown population trend, under predictive climate change scenarios (Bilgin *et al.*, 2012: 433).

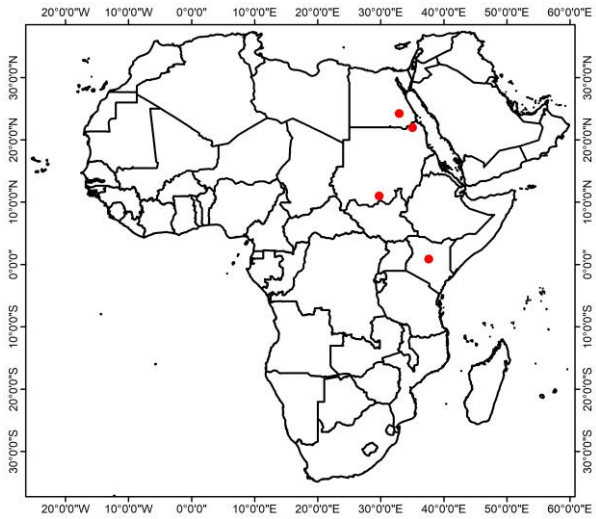

Figure 293. Distribution of *Hypsugo ariel*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Egypt, Kenya, Sudan.

Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015

*2015. *Hypsugo bemainty* Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, Zool. J. Linn. Soc., 173 (4): 992, 1008, figs 9 - 12. Type locality: Madagascar: Province de Toliara: 60 km N Morondava, along the Kirindy River: Kirindy Forest (CNFEREF) [20°4'29.1"S, 44°40'14.4"E, 45 m] [Goto Description].

DIET:
Rakotondramanana *et al.* (2015: 77) reported the following volume percentages present in the diet of *H. bemainty*: Coleoptera: 14.1 ± 12.56; Hymenoptera: 12.0 ± 14.60; Lepidoptera: 18.6 ± 20.27; Isoptera: 52.0 ± 33.78; Homoptera: 2.2 ± 3.59; Arachnida: 0.5 ± 1.73; Orthoptera: 0.5 ± 1.73. Expressed as frequency percentages, the values are: Coleoptera: 61.7 ± 37.62; Hymenoptera: 53.3 ± 47.74; Lepidoptera: 58.3 ± 48.59; Isoptera: 80.0 ± 39.08; Homoptera: 13.3 ± 23.09; Arachnida: 6.7 ± 23.09; Orthoptera: 6.7 ± 23.09.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

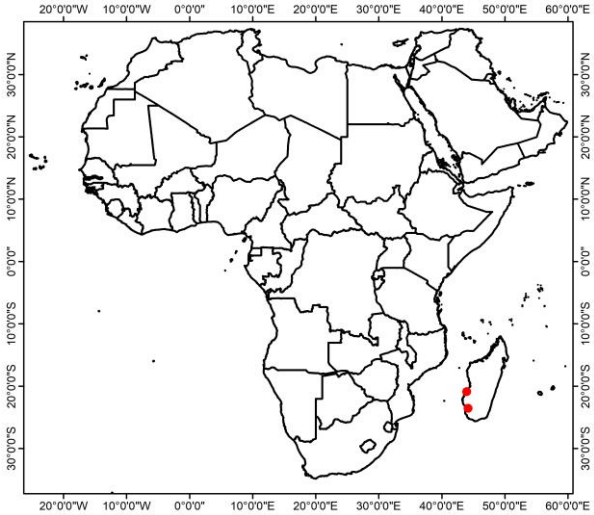

Figure 294. Distribution of *Hypsugo bemainty*

Hypsugo cf. eisentrauti Hill, 1968

2013. *Hypsugo cf. eisentrauti:* Kerbis Peterhans, Fahr, Huhndorf, Kaleme, Plumptre, Marks and Kizungu, Bonn. Zool. Bull., 62 (2): 189. Publication date: November 2013. (Name Combination)

GENERAL COMMENTS:
As already indicated by Van Cakenberghe and Happold (2013i: 622) *eisentrauti* records from the DRC, Uganda, Kenya and Somalia do not resemble closely to the holotype and paratype of *P. eisentrauti* to be considered respresentatives of this species. Kerbis Peterhans *et al.* (2013: 189) therefore assigned these tentatively to *H.* cf. *eisentrauti*, indicating that they could represent a yet undescribed species.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Congo (Democratic Republic of the), Rwanda, Somalia.

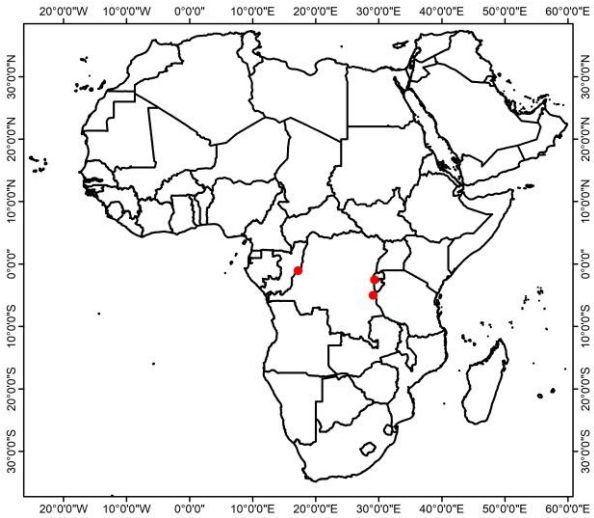

Figure 295. Distribution of *Hypsugo* cf. *eisentrauti*

Hypsugo crassulus (Thomas, 1904)

*1904. *Pipistrellus crassulus* Thomas, Ann. Mag. nat. Hist., ser. 7, 13 (75): 206. Publication date: 1 March 1904. Type locality: Cameroon: Efulen [02 46 N 10 42 E] [Goto Description]. Holotype: BMNH 1904.2.8.1: ad ♂, skull and alcoholic. Collected by: George Latimer Bates Esq.

1966. *Pipistrellus (Pipistrellus) crassulus:* Hayman, Misonne and Verheyen, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., (8) 154: 17. (Name Combination)

1972. *Pipistrellus eisentrauti bellieri* De Vree, Rev. Zool. Bot. afr., 85 (3 - 4): 412. Publication date: 30 June 1972. Type locality: Côte d'Ivoire: NW of Abidjan: Adiopodoumé [05 19 N 04 08 W, 0 - 30 m] [Goto Description]. Holotype: RMCA 35686: ad ♀, skin and skull. Collected by: Prof. Dr. Frits De Vree; collection date: 19 November 1969; original number: AX0104. Prepared and labelled in the Laboratoire d'Ecologie (L. Bellier) of the ORSTROM; see De Vree (1972). - Comments: Included in *eisentrauti* by Koopman (1993a:

221), and in *crassulus* by Simmons (2005). Considered a valid species by Fahr *et al.* (2006b: 245).

1987. *[Attalepharca] crassulus:* Menu, Palaeovert., 17 (3): 126. (Name Combination)
1994. *Hypsugo crassulus bellieri:* Heller, Volleth and Kock, Senckenb. biol., 74 (1/2): 1. (Name Combination)
1994. *Hypsugo crassulus:* Heller, Volleth and Kock, Senckenb. biol., 74 (1/2): 1. (Name Combination, Current Combination)
1994. *P[ipistrellus (Pipistrellus)] e[isentrauti] bellieri:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 114.
1994. *P[ipistrellus (Vansonia)] crassulus:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 115. (Name Combination)
1998. *P[ipistrellus (Hypsugo)] e[isentrauti] bellieri:* Grubb, Jones, Davies, Edberg, Starin and Hill, Mammals of Ghana, Sierra Leone and The Gambia, 84.
2003. *Nycticeinops eisentrauti:* Hoofer and Van Den Bussche, Acta Chiropt., 5 (Suppl.): 38. - Comments: Although Hoofer *et al.* (2003) believed they were referring to an *eisentrauti* specimen, this was actually a *belieri* (see also the *eisentrauti bellieri* synonym by Grubb *et al.*, 1998).

TAXONOMY:
Mentioned in the genus *Pipistrellus* and the subgenus *Vansonia* by Koopman (1994: 116). Volleth *et al.* (2001: 27) assigned this species to the genus *Hypsugo*. Includes *bellieri*; see Heller *et al.* (1994), Simmons (2005). Hoofer and Van Den Bussche (2003: 38) and Roehrs *et al.* (2011: 26, 31) mentioned "*eisentrauti*" to belong to the genus *Nycticeinops*, but they used a specimen from Côte d'Ivoire which should be assigned to *crassulus bellieri*. However, Monadjem *et al.* (2016y: 369) and Herkt *et al.* (2017: Appendix S9) report that the ecological niches for *crassulus* and *bellieri* differ and that their geographic distributions are separated by a gap, suggesting that they might represent different species.

COMMON NAMES:
Czech: netopýr obtloustlý. English: Broad-headed Pipistrelle Bat, Broad-headed Pipistrelle. French: Vespère à grosse tête, Pipistrelle à grosse tête. German: Breitköpfige Zwerg-fledermaus, Breitköpfige Pipistrelle. Spanish (Castillian): Pipistrelo.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Fahr, 2008g; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Pipistrellus crassulus*] (Fahr, 2008g; IUCN, 2009). 2004 - LC ver 3.1 (2001) [assessed as *Hypsugo crassulus*] (Fahr, 2004o; IUCN, 2004). 1996 - LR/lc [assessed as *Pipistrellus crassulus*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this widespread species as a whole (Fahr, 2008g; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008g) [in IUCN (2009)] report that there appear to be no direct conservation measures in place, and it is not known if the species is present within any protected areas. Further studies are needed into the taxonomy, distribution and natural history of this species.

GENERAL DISTRIBUTION:
Hypsugo crassulus has been recorded from Guinea, Liberia and Côte d'Ivoire in the west, from Cameroon, Democratic Republic of the Congo, northern Angola, southern Sudan, Uganda and western Kenya (Kakamega Forest).

Native: Angola; Cameroon; Congo (Bates *et al.*, 2013: 325 - 1st authenticated record); Congo (The Democratic Republic of the); Côte d'Ivoire; Guinea (Decher *et al.*, 2016: 266); Kenya; Liberia; Sudan; Uganda.
Presence uncertain: Nigeria.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Tragus: Monadjem *et al.* (2013c: 204) provide a line drawing of tragi of specimen DNSM 13222 from Mount Nimba, Liberia.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

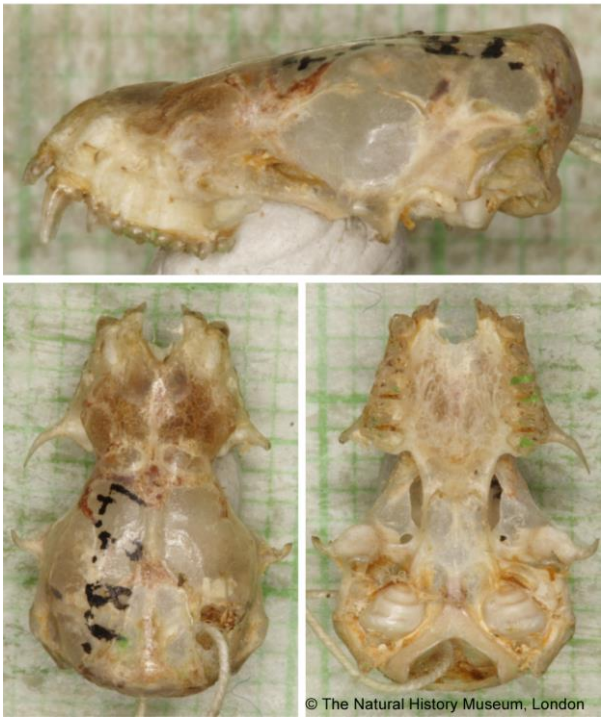

Figure 296. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1904.2.9.1, holotype of *Pipistrellus crassulus* Thomas, 1904.

DETAILED MORPHOLOGY:
Baculum - See Hill and Harrison (1987) and Heller *et al.* (1994: 5). *H. c. bellieri* and *P. nanulus* were much longer in total length than any of the *Neoromicia* species that were examined by Monadjem *et al.* (2013c). The shaft tip of *H. c. bellieri* was distinctly spatulate and dorsoventrally flattened baculum shaft in both species was moderately ventrally curved, ending in a fluted base that was broader in *P. nanulus* (0.71 - 0.82 mm) than in *H. c. bellieri* (0.38 - 0.41 mm) (Monadjem *et al.*, 2013c: 197). Line drawing of dorsal and ventral bacula of specimen DNSM 13222 from Mount Nimba, Liberia are shown in Monadjem *et al.* (2013c: 204).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Volleth *et al.* (2001) reported 2*n* = 30, FN = 56, BA = 28, a metacentric X chromosome and a metacentric Y chromosome.
Protein / allozyme - Unknown.

HABITAT:
Monadjem *et al.* (2016y: 369) found this species (as *H. crassulus bellieri*) in old growth forest habitats in the Mount Nimba area.

POPULATION:
Structure and Density - This species has rarely been recorded (Fahr, 2008g; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, Fahr, 2008g; IUCN, 2009).

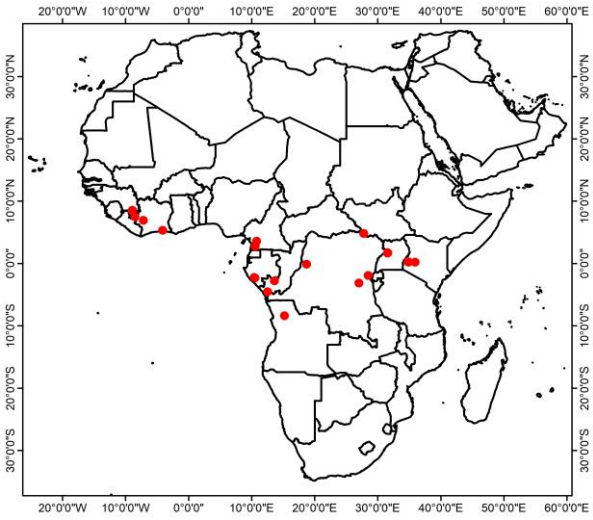

Figure 297. Distribution of *Hypsugo crassulus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Cameroon, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Gabon, Guinea, Kenya, Liberia, South Sudan, Uganda.

Hypsugo eisentrauti (Hill, 1968)

*1968. *Pipistrellus eisentrauti* Hill, Bonn. zool. Beitr., 19 (1/2): 45. Publication date: 10 April 1968. Type locality: Cameroon: Western province: Rumpi Highlands, Dikume-Balue: Camp V [ca. 04 13 N 09 32 E] [Goto Description]. Holotype: ZFMK 1968.0005: ad ♂, skin and skull. Collected by: Prof. Dr. Martin Eisentraut; collection date: 18 February 1957; original number: 498. See Hill (1968: 45), Thorn *et al.* (2007), Hutterer and Peters (2010: 12). Paratype: BMNH 1967.2129: ad ♀, skin and skull. Collected by: Prof. Dr. Martin Eisentraut; collection date: 30 November 1966; original number: 198. Paratype: ZFMK 1968.0006: ad ♀, skin and skull. Collected by: Prof. Dr. Martin Eisentraut; collection date: 30 November 1966; original number: 198. Lager II [=Camp II], ca. 1,100 m; Mount Kupe (see Hutterer and Peters, 2010: 12). - Comments: Thorn *et al.* (2009: 53) situate Camp V at 05 00 N 09 15 E. - Etymology: In honour of Prof. Martin Eisentraut (1902 - 1994), collector of the type specimen.

1971. *Pipistrellus [(Pipistrellus)] eisentrauti:* Hayman and Hill, Mammals of Africa: Chiroptera, 39. (Name Combination)

1972. *P[ipistrellus] e[isentrauti] eisentrauti:* De Vree, Rev. Zool. Bot. afr., 85 (3 - 4): 415. (Name Combination)
1987. *Pipistrellus (Hypsugo) eisentrauti:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 274. (Name Combination)
1994. *Hypsugo eisentrauti:* Heller, Volleth and Kock, Senckenb. biol., 74 (1/2): 1. (Name Combination, Current Combination)
1994. *P[ipistrellus (Pipistrellus)] e[isentrauti] eisentrauti:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 114. (Name Combination)
? *Hypsugo eisentrauti bellieri:*

TAXONOMY:
Koopman (1994: 114) mentions this species as belonging to the subgenus *Pipistrellus*. Volleth *et al.* (2001: 27) assigned this species to the genus *Hypsugo*. Koopman (1993a: 221) included *bellieri*, but see Heller *et al.* (1994), Simmons (2005). Hoofer and Van Den Bussche (2003: 38) and Roehrs *et al.* (2011: 26, 31) include *eisentrauti* in *Nycticeinops*, but they used a specimen from Côte d'Ivoire, which should be assigned to *crassulus bellieri*.

COMMON NAMES:
Czech: netopýr guinejský. English: Eisentraut's Pipistrelle Bat, Eisentraut's pipistrelle. French: Pipistrelle d'Eisentraut, Vespère d'Eisentraut. German: Eisentrauts Zwergfledermaus, Eisentrauts Pipistrelle. Italian: Pipistrèllo di Eisentràut.

CONSERVATION STATUS:
Global - Listed as Data Deficient in view of continuing problems with its taxonomy as well as absence of recent information on its extent of occurrence, status, ecological requirements and threats. This species is most probably restricted to SW Cameroon. However, there are supposedly records from four other countries. Those records may all be misidentifications. If that is the case, then it is likely that this species has a very restricted range and is probably threatened (Fahr, 2008h; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) [assessed as *Pipistrellus eisentrauti*] (Fahr, 2008h; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Fahr, 2004n; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are not well known, but in Cameroon are likely to include encroachment on montane forest by subsistence agriculture (Fahr, 2008h; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008h) [in IUCN (2009)] reports that it is unclear if the species is present within any protected areas. Further studies are needed into the taxonomy, distribution, and threats to this species.

GENERAL DISTRIBUTION:
Hypsugo eisentrauti was initially described from Cameroon, where it has been recorded from localities including the Rumpi Highlands, Mount Kupe and Mount Cameroon. Although there are additional records of this species from Kenya, Somalia, Uganda and from the Democratic Republic of the Congo, it is uncertain that these actually refer to *Hypsugo eisentrauti*.

Confirmation of the possible distribution outside of Cameroon is needed.

Native: Cameroon.
Presence uncertain: Congo (The Democratic Republic of the); Kenya; Somalia; Uganda.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Heller *et al.* (1994: 2).

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - Volleth *et al.* (2001) reported 2*n* = 42, FN = 58, BA = 18, a metacentric X and a dot-like Y chromosome for a male specimen from Ruanda.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - The population is little known, but it may be locally common in Cameroon (Fahr, 2008h; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, 2008h; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Côte d'Ivoire, Guinea, Kenya, Liberia, Uganda.

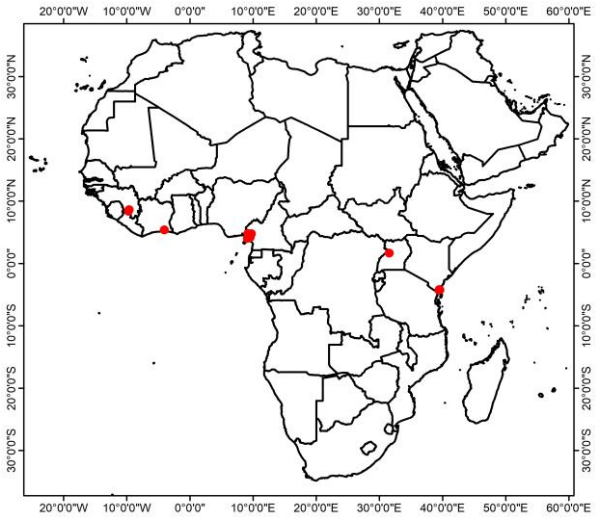

Figure 298. Distribution of *Hypsugo eisentrauti*

Hypsugo musciculus (Thomas, 1913)

*1913. *Pipistrellus musciculus* Thomas, Ann. Mag. nat. Hist., ser. 8, 11 (63): 316. Publication date: 1 March 1913. Type locality: Cameroon: Ja River: Bitye [03 13 N 12 22 E, 2 000 ft] [Goto Description]. Holotype: BMNH 1913.2.8.1: ad ♂, skin and skull. Collected by: George Latimer Bates Esq. Collection date: 3 September 1912; original number: 622.

1966. *Pipistrellus (Pipistrellus) musciculus:* Hayman, Misonne and Verheyen, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., (8) 154: 16. (Name Combination)

1987. *Attalepharca musciculus:* Menu, Palaeovert., 17 (3): 128. - Comments: Menu used *Attalepharca* as "groupe collectif" not as genus name. (Name Combination)

1987. *Pipistrellus (Hypsugo) musciculus:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 281. (Name Combination)

? *Hypsugo musciculus:* (Name Combination, Current Combination)

TAXONOMY:
Mentioned in the genus *Pipistrellus* and the subgenus *Pipistrellus* by Koopman (1994: 113).

COMMON NAMES:
Czech: netopýr mechový. English: Mouse-like Pipistrelle Bat, Least Pipistrelle Bat, Mouselike Pipistrelle, Western Africa Pipistrelle. French: Vespère murin, Pipistrelle d'Afrique occidentale, Pipistrelle murine. German: Mäuschen-Zwergfledermaus, Mäuschen-Pipistrelle.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of continuing problems with its taxonomy as well as absence of recent information on its extent of occurrence, status and ecological requirements (Jacobs *et al.*, 2008u; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) [assessed as *Pipistrellus musciculus*] (Jacobs *et al.*, 2008u; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004i; IUCN, 2004). 1996 - LR/nt [assessed as *Pipistrellus musciculus*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are not known (Jacobs *et al.*, 2008u; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008u) [in IUCN (2009)] report that it is not known if the species is present within any protected area. Further studies are needed into the taxonomy, distribution, natural history and threats to this species.

GENERAL DISTRIBUTION:
Hypsugo musciculus has been recorded from a few localities in Ghana, Sierra Leone, southern Cameroon, Gabon, the eastern tip of Congo, and the Democratic Republic of the Congo.

Native: Cameroon; Congo (The Democratic Republic of the); Gabon; Ghana; Sierra Leone.

Bates *et al.* (2013: 339) reject the occurrence of *H. musciculus* in the Republic of Congo as Malbrant and Maclatchy (1949) only suggested it to be 'likely' occurring in that country.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

Figure 299. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1913.2.8.1, holotype of *Pipistrellus musciculus* Thomas, 1913.

POPULATION:

Structure and Density - The abundance of this species is not well known (Jacobs *et al.*, 2008u; IUCN, 2009).

Trend - 2008 - Unknown (Jacobs *et al.*, 2008u; IUCN, 2009).

PARASITES:

HEMIPTERA

Cimicidae: *Cacodmus villosus* (Stål) recorded from the Congo (Haeselbarth *et al.*, 1966: 11).

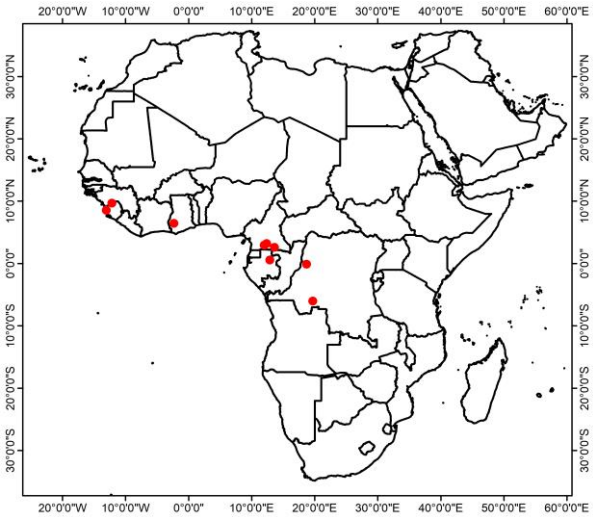

Figure 300. Distribution of *Hypsugo musciculus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:

Cameroon, Congo (Democratic Republic of the), Gabon, Ghana, Sierra Leone.

Hypsugo savii (Bonaparte, 1837)

*1837. *Vespertilio Savii* Bonaparte, Iconografia Fauna italiana, 1, fasc. 20 and pl. Publication date: 1837. Type locality: Italy: Tuscany: Pisa [43 43 N 10 24 E]. Holotype: BMNH 1907.1.1.732: sad, partial skeleton. Collected by: Prince Charles Lucien (Carlo) Jules Laurent Bonaparte. - Etymology: In honour of Gaetano Savi (1769 - 1844) (see Kozhurina, 2002: 17).

1839. *V[esperugo (Vesperus)] Savii:* Keyserling and Blasius, Arch. Naturgesch. Berlin, 5 (1): 316. (Name Combination)

1853. *V[esperugo] Savii:* Blasius, Arch. Naturgesch. Berlin, 19 (1): 46. (Name Combination)

1855. *Vespertilio (Vesperugo) Savii:* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 5: 734. (Name Combination)

1856. *Vesperus (Meteorus) Savii:* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (5): 166. (Name Combination)

1856. *Vesperus Savii:* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (4): 132. (Name Combination)

1859. *Scotophilus darwini* Tomes, Proc. zool. Soc. Lond., 1859, I (OS 27): 70. Publication date: February - June 1859. Type locality: Canary Islands (Spain): La Palma [28 40 N 17 50 W] [Goto Description]. Holotype: BMNH 1907.1.1.423: ad ♀, skull and alcoholic. Presented/Donated by: Charles Robert Darwin. Although Dobson (1878: 219) mentioned it was presented by Rev. R.T. Lowe. Formerly in Tomes collection.

1862. *Vespertilio (Meteorus) Savii:* Koch, Das Wesentliche der Chiroptern, 393. (Name Combination)

1871. *Vesperugo Savi:* Doderlein, Alcune generalita Intorno la Fauna Sicula de Vertebrati, ???. (Name Combination, Lapsus)

1885. *Vesperugo Savii:* Lataste, Act. Soc. Linn. Bordeaux, 39: 190?. (Name Combination)

1887. *Scotophilus darwinii:* Doria, Ann. Mus. civ. Stor. nat. Genova, 4 (2): 71. (Lapsus)
1904. *Vespertilio ochromixtus* Cabrera, Mem. Soc. espan. Hist. nat., 2: 269, pl. 3, fig. 1 and 4. Type locality: Spain: Balearic Islands, Menorca Island. Holotype: MNCN 1.094: ♂. - Comments: Some authors, e.g. Ellerman and Morrison-Scott (1951: 170), Gharaibeh (1997: 95) mention "Sierra de Guadarrama, Madrid, Spain" as type locality, but Ibáñez and Fernández (1989: 41) - explicitly referring to the type specimen - mention Menorca as type locality.
1912. *Pipistrellus savii:* Miller, Catalogue of the mammals of western Europe (Europe exclusive of Russia) in the collection of the British Museum, 219. (Name Combination)
1956. *Pipistrellus savii savii:* Kahmann and Goerner, Mammalia, 20: 358. (Name Combination)
1964. *Pipistrellus savii sevii:* Hanák, Acta Soc. Zool. Bohem., 28 (1): 83. (Lapsus)
1966. *Pipistrellus (Pipistrellus) savii darwini:* Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian Mammals 1758 to 1946. (Second Edition), 170. (Name Combination)
1966. *Pipistrellus (Pipistrellus) savii savii:* Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian Mammals 1758 to 1946. (Second Edition), 169. (Name Combination)
1966. *Pipistrellus (Pipistrellus) savii:* Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian Mammals 1758 to 1946. (Second Edition), 169. (Name Combination)
1971. *Pipistrellus (Hypsugo) savii savii:* Lanza and Azzaroli, Lav. Soc. ital. Biogeog., nov. ser. 1: 698 (for 1970). (Name Combination)
1986. *[Hypsugo] savii:* Horácek and Hanák, Myotis, 23-24: 9. (Name Combination, Current Combination)
1987. *Hypsugo savii:* Menu, Palaeovert., 17 (3): 127. (Name Combination)
1987. *Pipistrellus (Hypsugo) savii:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 281. (Name Combination)
1997. *Pipistrellus savii ochromixus:* Gharaibeh, Systematics, distribution, and zoogeography of mammals of Tunisia, 95. Publication date: December 1997. (Lapsus)
2000. *Hypsugo savii savii:* Horácek, Hanák and Gaisler, Bats of the Palearctic region, 125. (Name Combination)
2002. *H[ypsugo] s[avii] darwini:* Trujillo, Ibáñez and Juste, Rev. suisse Zool., 109 (3): 549. (Name Combination)
2003. *H[ypsugo] savii darwinii:* Pestano, Brown, Suárez, and Fajardo, Mol. Phylogenet. Evol., 26 (1): 57. (Lapsus)
2007. *Hypsugo cf. darwinii:* Mayer, Dietz and Kiefer, Front. Zool., 4: 4. (Name Combination)
? *Pipistrellus savi:* (Name Combination, Lapsus)

TAXONOMY:
Koopman (1994: 114) considers this species to belong to the subgenus *Pipistrellus*. Horácek *et al.* (2000: 125) and Volleth *et al.* (2001: 27) assigned this species to the genus *Hypsugo*.

Based on mitochondrial DNA, Veith *et al.* (2011: 95, 98) report the presence of "*H.* cf. *darwinii*" on Sardinia, Turkey, the Canary Islands, Morocco, and Sicily), but they also indicate that "taxonomic conclusions, which are solely based on mitochondrial genes, may be misleading due to effects such as incomplete lineage sort ing, introgression, and selection on mitochondrial loci". However, as indicated by Puechmaille *et al.* (2012: 226), the mitochondrial data suggest the presence of cryptic species within "*H. savii*", which led these authors to use "*H.* cf. *savii*" for the North African populations.

COMMON NAMES:
Albanian: Pipistrel I Savi-it. Basque: Savi saguzarra. Bengali: Savir Chamchika. Catalonian (Spain): Rat penat muntanyero, Ratapinyada muntayenca. Czech: netopýr Saviův, netopýr alpský. Dutch: Alpen-dwergvleermuis, Alpenvleermuis, Savi's dwergvleermuis. English: Savi's Pipistrelle, Savi's Pipistrelle Bat. French: Vespère de Savi, Pipistrelle de Savi. Gallician (Spain): Morcego do monte. German: Alpenfledermaus, Alpen-Pipistrelle, herzohrige Abendfledermaus. Greek: Βουνονυχτερίδα. Hungarian: Alpesi denevér, Nycteris i alpios. Italian: Pipistrello di Savi. Macedonian: Saviev Liljak. Portuguese: Morcego de Savii. Roman: Pipistrel da las alps. Russian: Кожановидный нетопырь. Spanish (Castillian): Murciélago montañero, Murciélago de montaña.

CONSERVATION STATUS:
Global - The species is widespread and abundant and there is no evidence of population decline. Consequently, it is assessed as Least Concern (LC ver 3.1 (2001)) (Hutson *et al.*, 2008p; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Pipistrellus savii*] (Hutson *et al.*, 2008p; IUCN, 2009).

MAJOR THREATS:
No major threats are known (Hutson *et al.*, 2008p; IUCN, 2009). Water stress and the aerial hawking feeding style are, however, identified as being major risk factors linked with climatic change (Sherwin *et al.*, 2012: 174). Bilgin *et al.* (2012: 434) predict that the range retraction for *H. savii* as a result of climatic change may pose severe threats to its survival as this species has the bulk of its range in the Mediterranean region.

CONSERVATION ACTIONS:
Hutson *et al.* (2008p) [in IUCN (2009)] report that it is protected by national legislation in some range states. There are also international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern Convention in parts of its range where these apply. It is included in Annex IV of EU Habitats and Species Directive. It occurs in protected areas.

GENERAL DISTRIBUTION:
Hypsugo savii has a wide range in the Palaearctic (and marginally in Indomalaya), extending from southern Europe and north Africa (Morocco, Algeria, Tunisia, the Canary Islands of La Palma, Tenerife, La Gomera, Gran Canaria, and El Hierro, and the Cape Verde Islands of Santiago and San Vicente) through the Middle East and the Caucasus to Kazakhstan, Turkmenistan, Uzbekistan, Kyrgyzstan, Tajikistan, Afghanistan and northern India (Horácek and Benda, 2004; Simmons, 2005). It occurs from sea level to 3,000 m.

Bilgin *et al.* (2012) examining climate change scenarios within the Asia Minor and Levant region, predict *H. savii* to have a range contraction, which may pose severe threats to the survival of this species.

Native: Afghanistan; Albania; Algeria; Andorra; Austria; Azerbaijan; Bangladesh; Bosnia and Herzegovina; Bulgaria; Cape Verde Isls (Azzaroli Puccetti and Zava, 1988); China; Croatia; Cyprus; Czech Republic; France [Corse]; Georgia; Gibraltar; Greece [East Aegean Is., Kriti]; Holy See [Vatican City State]; Hungary; India; Iran, Islamic Republic of; Iraq; Israel; Italy [Sardegna, Sicilia]; Japan; Kazakhstan; Korea, Democratic People's Republic of; Korea, Republic of; Lebanon; Monaco; Mongolia; Montenegro; Morocco (Benda *et al.*, 2010a: 157; El Ibrahimi and Rguibi Idrissi, 2015: 362); Palestinian Territory, Occupied; Portugal; Russian Federation; San Marino; Serbia; Slovakia; Slovenia; Spain [Baleares, Canary Is.]; Switzerland; Syrian Arab Republic; Tunisia (Dalhoumi *et al.*, 2014: 53); Turkey; Turkmenistan; Ukraine.
Regionally extinct: Germany.
Vagrant: United Kingdom (Great Britain).
Presence uncertain: Armenia; Bhutan; Macedonia, the former Yugoslav Republic of.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Benda *et al.* (2011b: 38).

Park and Lee (2009: 267) found three types of lingual papillae in Korean specimens: filiform, fungiform, and circumvallate.

SEXUAL DIMORPHISM:
In Italian *H. savii* specimens, Rughetti and Toffoli (2014: 149) found a seasonal variability in body conditions, which was sex dependent. In late spring equal sized (Fa) females were heavier than males, although these differences were small in late summer. Additionally, the female's body mass decreased during late spring and summer most probably as the result of higher energy requirements for lactation. The male's mass did not change during this period.

ECHOLOCATION:
Papadatou *et al.* (2008b: 133) report the following data for 53 Greek specimens: F_{start}: 55.5 ± 10.64 kHz, F_{end}: 33.7 ± 1.43 kHz, F_{peak}: 36.7 ± 1.23 kHz, bandwidth: 8.7 ± 2.18 kHz, duration 6.8 ± 1.57 msec and interpulse interval: 148.5 ± 59.63 msec.
For 32 calls from animals from France, Greece and Switzerland, Walters *et al.* (2012: suppl.) present the following numbers: duration: 8.23 ± 3.19 msec, F_{max}: 46.59 ± 12.95 kHz, F_{min}: 32.64 ± 2.26 kHz, bandwidth: 13.95 ± 11.88 kHz, F_{peak}: 34.87 ± 3.15 kHz.
Five calls of animals from Iran had the following values reported by Benda *et al.* (2012a: 182): F_{start}: 42.5 ± 2.1 (40.9 - 45.9) kHz, F_{end}: 36.1 ± 0.3 (35.7 - 36.3) kHz, F_{peak}: 37.4 ± 0.7 (36.7 - 38.4) kHz, duration: 9.4 ± 0.4 (8.8 - 9.7) msec, and interpulse interval: 185.6 ± 4.0 (182.1 - 191.3) msec.

In Morocco, Disca *et al.* (2014: 226) report the type of call for "*Hypsugo* cf. *savii*" as FM-QFC, with the following parameters: F_{start}: 52.7 ± 7.2 kHz, F_{end}: 32.3 ± 0.7 kHz, F_{peak}: 34.0 ± 1.0 kHz, bandwidth: 20.3 ± 6.8 kHz, duration: 6.8 ± 0.7 msec.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003), Mayer *et al.* (2007), and García-Mudarra *et al.* (2009).

Karyotype - Capanna (1968), Zima (1982) and Volleth *et al.* (2001) reported 2*n* = 44, Fna = 50,

BA = 8, a metacentric X and a submetacentric Y chromosome. Rushton (1970: 465) reported 2*n* = 44, FN = 50, X = metacentric, and Y = acrocentric. Arslan and Zima (2014: 13) added that the autosomal complement consists of three large and one small metacentrics, 15 acrocentrics and two dot-like pairs. Capanna and Manfredi Romanini (1971: 474) described the autosomal chromosomes as 3 pairs of metacentric, 1 submetacentric and 17 acrocentrics.

Protein / allozyme - Unknown.

DIET:
Benda *et al.* (2012a: 402 - 403) report the following major food groups for different areas, indicating that this species is an opportunistic feeder:
* Lepidoptera, Diptera, Hymenoptera and Neuroptera (Switzerland);
* Homoptera, Heteroptera and smaller representatives of Lepidoptera (Balkans and West Turkestan);
* Formicoidea, Heteroptera, Coleoptera and Lepidoptera (Syria);
* Coleoptera and Formicoidea (Turkey);
* Auchenorrhyncha, small Lepidoptera, Coleoptera (mainly Staphilinidae), nematoceran Diptera (Chironomidae, Culicidae), Sternorrhyncha (Aphididae), Neuroptera (Chrysopidae, Hemerobiidae), Heteroptera, Hymenoptera (small Apocrita), and Trichoptera (Iran: Fars);
* Small Lepidoptera, Neuroptera (Chrysopidae), Sternorrhyncha (Aphididae), Heteroptera, Coleoptera,and nematoceran Diptera (Culicidae) (Iran: Khorasan).

POPULATION:
Structure and Density - In the western part of its range it generally occurs at low densities and is restricted by its habitat requirements, but it is abundant in some European areas bordering the Mediterranean. Summer maternity colonies usually number 20 - 70 females. In the Canary Islands it is the commonest bat species. In the eastern part of its range population size and trends are not known (Molur *et al.*, 2002).
Trend - 2008 - Stable (Hutson *et al.*, 2008p; IUCN, 2009). *H. savii* populations within the Asia Minor and Levant region are predicted to have a stable population trend, under climate change scenarios (Bilgin *et al.*, 2012: 433).

PARASITES:
In Italy, Voyron *et al.* (2011: 193) reported *Aspergillus sydowii* and *Cladosporium cladosporioides* (Fungi) from live *H. savii* specimens.

In Algeria, Bendjeddou *et al.* (2013: 325) found *Rhipicephalus sanguineus* (Latreille, 1806) (Arachnidae: Ixodida: Ixodidae). The following ectoparasites were reported by Bendjeddou *et al.* (2017: 15): Siphonaptera: *Ischnopsyllus octactenus* (Kolenati, 1856); Heteroptera: *Cimex pipistrelli* Jenyns, 1839; Arachnida: *Argas transgariepinus* White, 1846.

VIRUSES:
Coronaviridae:
Alphacoronavirus
This virus was reported by Kohl and Kurth (2014: 3112) from Italy.
Betacoronavirus
Kohl and Kurth (2014: 3112) reported this virus from Spain and Italy.

Orthomyxoviridae
Despite sampling and testing of 2 individuals of this species, no evidence of influenza A-like viruses (*Orthomyxoviridae*) were obtained (Fereidouni *et al.*, 2015).

Rhabdoviridae
"Various European bat lyssaviruses" were reported by Kohl and Kurth (2014: 3114) from various European countries.

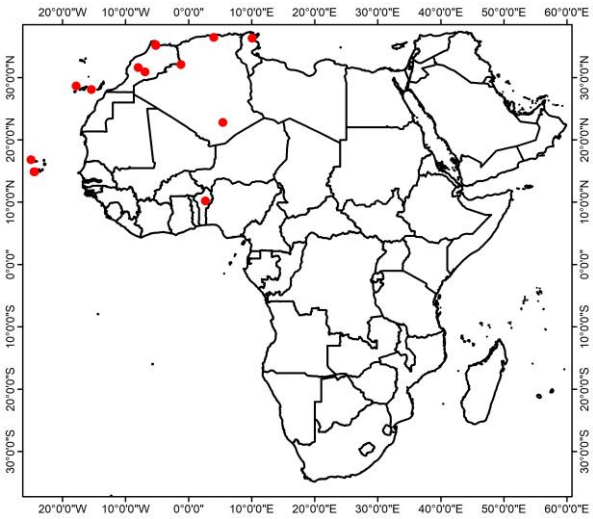

Figure 301. Distribution of *Hypsugo savii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Algeria, Benin, Canary Islands (Spain), Cape Verde, Italy, Morocco, Spain, Tunisia.

Genus ***Laephotis*** Thomas, 1901

*1901. *Læphotis* Thomas, Ann. Mag. nat. Hist., ser. 7, 7 (41): 460. Publication date: 1 May 1901 [Goto Description]. - Comments: Type species: *Læphotis Wintoni* Thomas, 1901. -

Etymology: From the Greek "*laephotis*" meaning cloaked, veiled. Although, a note in the description of the genus suggested the name meant "sail" in Greek (Thomas, 1901d: 460). Palmer (1904: 359) mentions it as from the Greek "*λαίφος*", meaning sail and "*ούς*" or "*ώτός*", meaning ear, referring to the large ears. Gardner (2005: 184) considers this name to be masculine (*Leaph* = sail + *ot* = ear(ed) + is (Latin third declension ending).

? *Laephotis:* (Current Spelling)

TAXONOMY:

The genus *Laephotis* was considered monotypic with two subspecies). But Peterson (1971b) introduced *wintoni* and *angolensis* as distinct species, while Setzer (1971) described two further species, *namibensis* and *botswanae*. However, inter-specific relations remain unresolved largely because specimens are few and in scattered collections (Kock and Howell, 1988, Stanley and Kock, 2004). Several specimens from South Africa were assigned to *L. wintoni* and *L.* cf. *wintoni* on the basis of multivariate analyses (Rautenbach and Nel, 1978b, Watson, 1990a, Kearney and Taylor, 1997). Given the distance of South African localities from other populations of *L. wintoni* in Kenya and Ethiopia, this identification was considered with some scepticism and not followed by Honacki *et al.* (1982) or Andrianaivoarivelo *et al.* (2007). Specimens described by Rautenbach and Nel (1978b) were subsequently provisionally placed with *L. namibensis* (Skinner and Smithers, 1990: 105). Kock and Howell (1988) and Stanley and Kock (2004) identified several cases where specimens identified as *L. angolensis* have been re-identified as *L. botswanae* or *L.* cf. *angolensis*. Morphometric analyses that included palatal and post-palatal measurements (Kearney and Seamark, 2005) allowed the distinction of *L. botswanae* and *L.* cf. *angolensis* from other species of *Laephotis*, and suggested the assignment of specimens from KwaZulu Natal previously identified as *L.* cf. *wintoni* to *L. botswanae*. However, the distinction between *L. wintoni* and *L. namibensis* was not confirmed and still remains to be clarified (Kearney and Seamark, 2005).

In his initial description of the genus *Laephotis*, Thomas (1901d) suggested the genus was most closely allied to *Vespertilio*. Tate (1942) considered *Laephotis* the closest relative of the Neotropical big-eared genus, *Histiotus*, which in turn was considered an offshoot of *Eptesicus*. However, the ears in *Laephotis* are not as greatly enlarged as in *Histiotus*, nor are they connected across the forehead (Hayman and Hill, 1971). On geographic grounds, Williams and Mares (1978) doubted the association with *Histiotus*. Hill (1974a) considered *Laephotis* an independent offshoot of *Eptesicus*.

Placed in tribe Vespertilionini by Hill and Harrison (1987) on basis of baculum morphology and retained in that tribe by Simmons (2005).

In a cladistic analysis of bacular morphology *Laephotis* nested within *Neoromicia* (Kearney *et al.*, 2002). The molecular results of Stadelmann *et al.* (2004b) support this, and those of Hoofer and Van Den Bussche (2003) would be similar, if the suggestion that *nanus* is moved to the genus *Neoromicia*, as indicated by chromosomal analysis and bacular morphology (Kearney *et al.*, 2002), had been followed.

Although considered monotypic by Hayman and Hill (1971), four species are currently recognised (Simmons, 2005); *L. angolensis* Monard, 1935, *L. botswanae* Setzer, 1971, *L. namibensis* Setzer, 1971, and *L. wintoni* Thomas, 1901, see review by Jobling (1939). Specimens of this rarely caught bat, from the Western Cape Province in South Africa, were initially identified as *Laephotis wintoni* (Rautenbach and Nel, 1978b), and then later as *Laephotis namibensis* (Skinner and Smithers, 1990). This change in species identification has led to considerable confusion in the literature (Honacki *et al.*, 1982; Corbet and Hill, 1991; Koopman, 1994; Bronner *et al.*, 2003; Jacobs *et al.*, 2005; Simmons, 2005). Separation of *L. namibensis* and *L. wintoni* using morphometric analyses of cranial and dental characters, which include Hill (1974a)'s palatal and post-palatal measurements, that Stanley and Kock (2004) found useful in the separation of *L. botswanae* and *L. wintoni*, remains problematic (Kearney and Seamark, 2005).

Bacular studies have also failed to show differences between some species of *Laephotis* (Kearney *et al.*, 2002). Monadjem *et al.* (2010d: 430) suggests that molecular studies may be necessary to sort out the current confusion over species limits within this genus.

Known species of the genus *Laephotis*: ***angolensis*** Monard, 1935; ***botswanae*** Setzer, 1971; ***namibensis*** Setzer, 1971; ***wintoni*** Thomas, 1901.

COMMON NAMES:

Czech: de Wintonovi netopýři. English: Long-eared Bats, African Long-eared Bats, Tropical Long-eared Bats. French: Oreillards d'Afrique, Noctophiles, Chauves-souris à longues oreilles.

German: Afrikanische Langohrfledermäuse. Italian: Lefòti.

GENERAL DISTRIBUTION:
A small genus with four species, endemic to Africa south of the Sahara (Kearney, 2013a: 578).

BIOGEOGRAPHY:
A fairly wide range of biotic zones and habitats are exploited by this genus: the Somalia Masai Bushland, Zambezian Woodland, the Southern Rainforest—Savanna Mosaic (marginally), Afromontane Afroalpine, Highveld, South West Arid and South West Cape BZs (Kearney, 2013a: 579).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
The genus *Laephotis* is distinguished from all other African vespertilionid in part by the relatively long ears (> 16.5 mm, almost half the length of the FA) and large triangular tragus (Monadjem *et al.*, 2010d: 430). Distinguishing the four species of *Laephotis* from each other is not currently possible on external features (Monadjem *et al.*, 2010d: 430). There is a slight difference in mean size between *L. botswanae* and *L. angolensis*, with the former being larger, but this difference may be due to the very small sample size of measured *L. angolensis* (Monadjem *et al.*, 2010d: 430).

DENTAL FORMULA:
$^{2113}/_{3123}$ = 32 (like *Otonycteris* but as in *Glauconycteris*, *Eptesicus*, some *Pipistrellus* and *Mimitellus*) (Kearney, 2013a: 578). The upper and lower premolars are tall teeth, almost the same height as the canines, and this, together with toothwear on the canines, might account for the suggestion that the canines are extremely reduced (Hayman and Hill, 1971, Kingdon, 1974).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
Kearney and Seamark (2005) identified four cranial measurements based on a multivariate morphometric analysis to separate *L. botswanae* from the other three congeners. The post-palatal measurement of the distance from a line across the rear margins of the third upper molar to the anterior edge of the mesopterygoid fossa is shorter than the distance from the anterior edge of the mesopterygoid fossa to the tips of the pterygoid hamulars in the *L. botswanae*/*L. angolensis* group, but longer in the *L. namibensis*/*L. wintoni* group (Hill, 1974a,Stanley and Kock, 2004, Kearney and Seamark, 2005).

DETAILED MORPHOLOGY:
Bacula- Bacular studies have also failed to show differences between some species of *Laephotis* (Kearney *et al.*, 2002). Monadjem *et al.* (2010d: 430) suggests that molecular studies may be necessary to sort out the current confusion over species limits within this genus.

Laephotis angolensis Monard, 1935

*1935. *Laephotis angolensis* Monard, Arq. Mus. Bocage, 6: 45. Type locality: Angola: 15 km W Dala: Tyihumbwe [=Tschiumbe / Tyiumbwe / Tyhumbwe / Chiu [11 02 S 20 04 E] [Goto Description]. Holotype: MHNC ♀. Collection date: September 1932. - Etymology: Referring to the country where the type specimen was collected. (Current Combination)
? *Laephotis cf. angolensis*
? *Laephotis wintoni angolensis:* (Name Combination)

TAXONOMY:
Described, as a distinct species, from a single specimen, ♀ with damaged skull, but subsequently considered a subspecies of *L. wintoni* (Ellerman *et al.*, 1953, Hayman and Hill, 1971). Although currently treated as a distinct species, the relationship between *L. angolensis* and *L. botswanae* is obscure, partly because specimens of *L. angolensis* are so scarce that variation within this form cannot be assessed (Kearney, 2013b: 580). Peterson (1973) suggests that *L. botswanae* may prove to be a larger, southern race of *L. angolensis*. However, both species occur together in S DR Congo (Setzer, 1971). Several specimens originally considered to represent *L. w. angolensis* were later reassigned to *L. botswanae* (Smithers, 1971, Hill, 1974a). *Laephotis botswanae* and *L. angolensis* may be conspecific, which would make the former a larger race of the latter (Peterson, 1971b, Kearney and Seamark, 2005). This possibility is reflected in records of both taxa from southeastern Katanga, DRC (Monadjem *et al.*, 2010d: 430).
Stanley and Kock (2004), being concerned about the correct assigment of the species that is known from very few specimens, referred to specimens in the Natural History Museum, London collection, as cf. *angolensis*. In a morphometric analysis with specimens of the other *Laephotis* taxa, these specimens were distinct from *L. botswanae*, and *L. wintoni* / *L. namibensis*, however, it was suggested this small difference, based on two specimens of *angolensis*, may disappear with the addition of more specimens of both *angolensis* and

botswanae (Kearney and Seamark, 2005: 85). Peterson (1973: 602) had suggested that "*L. bostwanae* may prove to be a larger, southern race of *L. angolensis*".

No subspecies currently recognized.

COMMON NAMES:
Czech: netopýr angolský. English: Angolan Long-eared Bat. French: Oreillard d'Angola, Chauve-souris à longues oreilles d'Angola, Noctophile d'Angola. German: Angola-Langohrfledermaus.

SIMILAR SPECIES:
Not easily distinguished from other *Laephotis* (Monadjem *et al.*, 2010d: 430, Kearney, 2013b: 580).
Laephotis botswanae - Ventral pelage paler. Tragus broader; posterior margin more angular. Skull longer (GLS: 14.1 - 15.5 mm) and usually broader (GWS: 8.0 - 8.8 mm). Rostrum slightly longer and broader, palate longer (Hill I 974a). and relationship with *L. botswanae* is uncertain.
L. wintoni - Forearm longer (37 - 41 mm). Ears longer (21 - 24 mm) and broader. Skull longer and broader (GLS: 15.6 - 16.3 mm, GWS: 8.8 - 9.5 mm, C-M3: 5.1 - 5.3 mm).
L. namibensis - Forearm usually longer 37.8 (36 - 40 mm). Ears longer (22 - 25 mm). Skull larger (GLS: 16.1 - 17.0 mm, GWS: 8.4 - 9.2 mm, C-M3: 4.8 - 5.4 mm).

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of continuing doubts as to its taxonomic validity as well as absence of recent information on its extent of occurrence, status, ecological requirements and threats (Jacobs *et al.*, 2008m; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs *et al.*, 2008m; IUCN, 2009). 2004 - NT ver 3.1 (2001) (Jacobs *et al.*, 2004c; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are not known (Jacobs *et al.*, 2008m; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008m) [in IUCN (2009)] report that there appear to be no direct conservation measures in place, and it is not known if the species is present within any protected areas. Further studies are needed into the taxonomy, distribution, natural history and potential threats to this poorly known species.

GENERAL DISTRIBUTION:
Laephotis angolensis is known from two localities in Angola (including the type locality of Tyihumbwe [Chiumbe], 15 km west of Dala) and a single locality in the Democratic Republic of the Congo (Mumeme, East of Likasi, Shaba Province). Hill and Carter (1941) suggest that the species may occur throughout eastern Angola, but more sampling is needed here.

Laephotis angolensis is endemic to southern Africa (Kearney and Seamark, 2005). Apparently restricted to the Zambezian Woodland BZ and the southern fringe of the Southern Rainforcst Savanna Mosaic (Kearney, 2013b: 580). *Laephotis angolensis* is known from just four specimens collected at three localities (Kearney and Seamark, 2005) in Angola and SE DR Congo (Peterson, 1973, Setzer, 1971, Hill, 1974a).

Native: Angola (Monard, 1935; Hill and Carter, 1941; Kearney and Seamark, 2005: 87; Monadjem *et al.*, 2010d: 563); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Stanley and Kock, 2004; Kearney and Seamark, 2005: 87 as *L.* cf. *angolensis*); Kearney and Seamark, 2005: 85; Simmons, 2005; Monadjem *et al.*, 2010d: 563).
Presence uncertain: Namibia (Griffin, 1999: 30).

GEOGRAPHIC VARIATION:
None (Kearney, 2013b: 580).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Laephotis angolensis is a small bat with an estimated mass of around 5 - 6 g (Monadjem *et al.*, 2010d: 430), it is very similar in size and appearance to the slightly larger *L. botswanae*, from which it cannot be reliably separated on external characters (Kearney and Seamark, 2005, Monadjem *et al.*, 2010d: 430).
The face is plain, without noseleaf and with tail more or less fully enclosed in interfemoral membrane.
Dorsal pelage yellowish-brown to reddish-brown; hairs distinctly bicoloured (Monadjem *et al.*, 2010d: 430), mid-dorsal hairs ca. 7 mm: basal 5 mm blackish-brown, terminal 2 mm yellowish-brown or reddish-brown (Kearney, 2013b: 580).
Ventral pelage pale grey on chin, paler on throat, becoming cream or white in pelvic region; hairs (except pelvic region) blackish-brown with pale grey, cream or white tip. Ventral hairs in pelvic region pure white (Kearney, 2013b: 580).
The naked skin on muzzle and around eyes is dark brown.
The long ears are dark brown, roughly triangular but very elongated; tip rounded; inner margins almost meeting on forehead but not joined at base. Ears may he held erect above head or (when resting) held sideways at right angles to head

(Kearney, 2013b: 580). Ears separated, of medium length for a vespertilionid (15 – 18 mm) and of medium relative length (45 - 46 % of FA, n = 2) (Kearney, 2013b: 580).
Tragus with notch at base of posterior margin as in *L. botswanae*, but diagnostic differences between the tragi of these species, if present, are not known (Kearney, 2013b: 580).
Wings dark brown (Monard, 1935); arm-wing with whitish hind border. Interfemoral membrane medium-brown, more translucent.

DENTAL FORMULA:
$^{2113}/_{3123}$ = 32.
Four upper and five lower cheekteeth and two upper incisors on each side.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
In lateral profile the braincase is slightly flattened, but raises slightly above the rostrum (Monadjem *et al.*, 2010d: 430); rostrum rather narrow; zygomatic arches slender; no sagittal crest; lambdoid crest weakly developed. Skull apparently shorter and usually narrower than in other *Laephotis* but data very limited (GLS: 13.7 13.8 mm; GWS: 6.7, 8.1 mm, n 2). Palatal length 6.1, 6.2 mm (n 2) (cf. > 6.4 mm in *L. botswanae* and *L. wintoni*) (Hill 1974a).
The upper premolar is sharply pointed and rises above the molars (Monadjem *et al.*, 2010d: 430).

DETAILED MORPHOLOGY:
Karyotype - Not recorded (Monadjem *et al.*, 2010d: 430, Kearney, 2013b). Monadjem *et al.* (2010d: 430) suggests the diploid number is likely to be 2n = 34 as in other species of *Laephotis*.

SEXUAL DIMORPHISM:
No information (Kearney, 2013b: 580).

ECHOLOCATION:
The echolocation call of this species has not been recorded (Monadjem *et al.*, 2010d: 430).

HABITAT:
Nothing is currently known on the habitat of *L. angolensis* (Monadjem *et al.*, 2010d: 430, Kearney, 2013b: 580). All records have come from the savanna biome (Kearney and Seamark, 2005: 85).

HABITS:
Nothing else is known about the habits of this species (Kearney, 2013b: 580; Monadjem *et al.*, 2010d: 430).

ROOST:
Nothing is known about the roosting sites (Monadjem *et al.*, 2010d: 430).

DIET:
There is no information on the diet of this species (Monadjem *et al.*, 2010d: 430).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - The populations abundance is not well known, however, 25 specimens were collected at one locality (Jacobs *et al.*, 2008m; IUCN, 2009). Rare (Kearney, 2013b: 580).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008m; IUCN, 2009).

PARASITES:
ACARI
Ixodidae: *Rhipicephalus simus*, (Anciaux de Faveaux, 1984), although the information is uncertain because the identity of the host still needs to be confirmed (Kearney, 2013b: 580).
Spinturnicidae: *Spinturnix walkei*, (Anciaux de Faveaux, 1984), although the information is uncertain because the identity of the host still needs to be confirmed (Kearney, 2013b: 580).
Macronyssidae: *Steatonyssus* sp., (Anciaux de Faveaux, 1984), although the information is uncertain because the identity of the host still needs to be confirmed (Kearney, 2013b: 580).

HEMIPTERA
Cimicidae: *Cacodmus villosus* (Stâl, 1855) (Kock and Aellen, 1987: 876; Kearney, 2013b: 580).

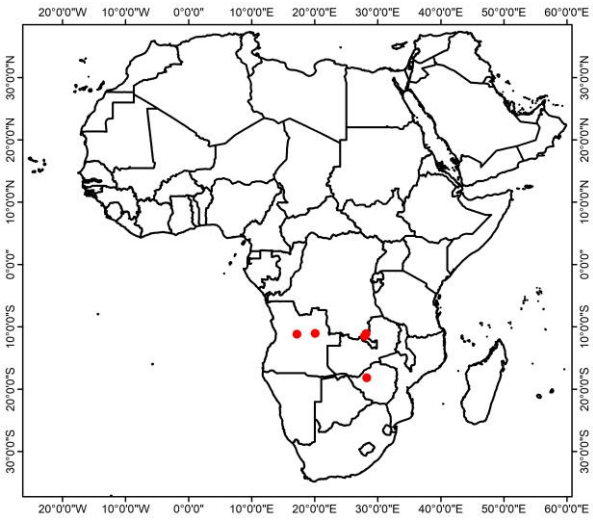

Figure 302. Distribution of *Laephotis angolensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Congo (Democratic Republic of the), Zambia, Zimbabwe.

Laephotis botswanae Setzer, 1971

1957. *Laephotis wintoni angolensis:* Ansell, Ann. Mag. nat. Hist., ser. 12, 10 (115): 538. (Name Combination)
*1971. *Laephotis botswanae* Setzer, Proc. Biol. Soc. Wash., 84 (32): 260, fig. 1b, 1d. Publication date: 4 November 1971. Type locality: Botswana: 50 mi (80 km) W and 12 mi (19 km) S Shakawe [18 21 S 21 52 E] [Goto Description]. Holotype: USNM 425349: ad ♀, skin and skull. Collected by: S.W. Goussard; collection date: 24 May 1967; original number: 691. - Comments: Although Schmidt *et al.* (2008: 35) mention the coordinates of the type locality as 18 32 S 21 05 E. - Etymology: The specimen from which the species was described originated near Shakawe in north-western Botswana (Taylor, 2005). (Current Combination)
1974. *Laephotis wintoni:* Hill, Bull. Br. Mus. (nat. Hist.) Zool., 27 (2): 75. Publication date: 18 July 1974. - Comments: Not of Thomas, 1901. (Name Combination)
? *Laephotis angolensis:* - Comments: Not of Monard, 1935. (Name Combination)
? *Laephotis cf. wintoni:*

TAXONOMY:
The distinction between *L. botswanae* and *L. angolensis* remains obscure and many specimens originally described as *L. angolensis* have been reassigned to *L. botswanae* (Hill, 1974a, Ansell, 1978) or remain of unsettled identity (Fenton and Bell, 1981, Fenton, 1985). Both species occur together in S DR Congo (Setzer, 1971), for this reason Kock and Howell (1988) question the validity of the species status of *botswanae*. As *Laephotis botswanae* and *L. angolensis* may be conspecific, which would make the former a larger race of *L. angolensis* (Peterson, 1971b, Kearney and Seamark, 2005).

In a morphometric analysis with specimens of the other *Laephotis* taxa, *L. bostwanae* was distinct from *L. angolensis* and *L. wintoni*/*L. namibensis*, however, it was suggested the small difference, based on two specimens of *angolensis*, may disappear with the addition of more specimens of both *angolensis* and *botswanae* (Kearney and Seamark, 2005: 85). Peterson (1973: 602) had suggested that "*L. bostwanae* may prove to be a larger, southern race of *L. angolensis*".

No subspecies recognized (Kearney, 2013c: 581).

COMMON NAMES:
Afrikaans: Botswana-langoorvlermuis. Czech: netopýr bečuánský. English: Botswana Long-eared Bat, Botswanan Long-eared Bat. French: Oreillard du Botswana, Chauve-souris à longues oreilles du Botswana, Noctophile du Botswana. German: Botswana-Langohrfledermaus.

SIMILAR SPECIES:
Not easily distinguished from other *Laephotis*, and relationship with *L. angolensis* is uncertain.
Laephotis angolensis - Ventral pelage darker. Tragus narrower, posterior margin less angular. Skull shorter (GLS: 13.7 - 13.8 mm) and usually narrower (GWS: 6.7, 8.1 mm), but data very limited. Rostrum slightly shorter and narrower; palate shorter (Hill, 1974a).
L. wintoni - Forearm on average longer 39.6 (37 - 41) mm). Skull usually larger, GLS: 16.0 (15.6 - 16.3) mm; C-M^3: 5.2 (5.1 - 5.3) mm.
L. namibensis - Skull longer, GLS: 16.1 - 17.0 mm.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Schlitter, 2008e; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Schlitter, 2008e; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Schlitter, 2004c; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Taylor *et al.*, 2016f). 2004 - VU D2 ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Schlitter, 2008e; IUCN, 2009).

CONSERVATION ACTIONS:
Schlitter (2008e) [in IUCN (2009)] report that there appear to be no direct conservation measures in place, however, it is possible that given the species wide range, it is present in some protected areas. Further studies are needed into the taxonomy, distribution, abundance and possible threats to this species.

GENERAL DISTRIBUTION:
Laephotis botswanae is near-endemic to southern Africa, occurring marginally beyond this region in the extreme southwest of Tanzania (Kearney and Seamark, 2005). *Laephotis botswanae* is known from several apparently disjunct locations in Southern and East Africa. Known from scattered localities in the Zambezian Woodland BZ and marginally in one part of the Kalahari Desert area in the South-West Arid BZ (Kearney, 2013c: 581). Recorded from Angola, S DR Congo, S Tanzania, Zambia, Malawi, N Botswana, the Caprivi of Namibia, Zimbabwe, South Africa. The most southern record is based on re-identified specimens from Hella-Hella (KwaZulu Natal, South Africa) (Kearney and Seamark, 2005). Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 988,632 km^2.

It has been recorded from Huila in Angola; northeastern Namibia and adjacent Botswana; central and southern Zimbabwe and adjacent northeastern South Africa; northern Zambia and extreme southern Democratic Republic of the Congo; Malawi and Mozambique); and from a single locality in southern Tanzania.

Native: Angola (Kearney and Seamark, 2005: 87; Monadjem *et al.*, 2010d: 563); Botswana (Kearney and Seamark, 2005: 87; Monadjem *et al.*, 2010d: 563); Congo (The Democratic Republic of the) (Kearney and Seamark, 2005: 87; Monadjem *et al.*, 2010d: 564); Malawi (Ansell and Dowsett, 1988; Happold and Happold, 1997a; Kearney and Seamark, 2005: 87; Monadjem *et al.*, 2010d: 564); Mozambique (Monadjem *et al.*, 2010c: 383); Namibia (Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 564); South Africa (Kearney and Seamark, 2005: 87; Simmons, 2005; Monadjem *et al.*, 2010d: 564); Tanzania (Kock and Howell, 1988; Bauer, 1992; Stanley and Kock, 2004: 176; Kearney and Seamark, 2005: 87); Zambia (Ansell, 1960a, Kearney and Seamark, 2005: 87; Monadjem *et al.*, 2010d: 564); Zimbabwe (Cotterill, 1996a; Kearney and Seamark, 2005: 87; Monadjem *et al.*, 2010d: 564).
Presence uncertain: Mozambique.

GEOGRAPHIC VARIATION:
Pelage colour varies according to locality. The dorsal pelage of TM specimens from South Africa are reddish-brown, those from Zimbabwe are paler brown (Kearney, 2013c: 581).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Laephotis botswanae is a small bat with a mass of around 6 - 7 g, plane faced without noseleaf and with tail more or less fully enclosed in interfemoral membrane; four upper and five lower cheekteeth and two upper incisors on each side; ears separated, of medium length for a vespertilionid (17- 22 mm) and of medium relative length (44 - 64 % of FA, n = 22).
Pelage soft, slightly shaggy on rump; mid-dorsal hairs ca. 8 mm.
Dorsal pelage reddish-brown, chocolate brown or pale brown; hairs distinctly bicoloured, basal 6 mm blackish-brown, terminal 2 mm reddish-brown, chocolate brown or pale brown.
Ventral pelage creamy-brown on chin, paler on throat, becoming cream or white in pelvic region; hairs (except in pelvic region) with basal 4 mm blackish-brown, terminal 4 mm creamy-brown, cream or white. Hairs in pelvic region pure white.
The naked skin on muzzle and around eyes is brown.
Ears pale to medium brown, roughly triangular with broad base and rounded tip; reaching well beyond snout when laid forward; inner margins almost meeting on forehead, but not joined. Ears may be held erect above the head or (when resting) held horizontally at right-angles to head (Kearney, 2013c: 581). Wings dark brown; arm-wing usually with whitish hind-border; interfemoral membrane paler and more translucent.

DENTAL FORMULA:
$^{2113}/_{3123}$ = 32.
The upper premolar is sharply pointed and rises above the molars.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
As in all *Laephotis* spp. With braincase slightly flattened (rises slightly above the rostrum); rostrum rather narrow; zygomatic arches slender and weak; no sagittal crest; lambdoid crest weakly developed. Skull on average medium-short and of medium width for the genus (CBS: 14.4 - 15.5 mm; GWS: 8.0 - 8.8 mm). Palatal length 6.7 (6.2 - 7.3) mm, n = 21 (Kearney and Seamark, 2005), CBS: 14.1 - 15.5 mm (Kearney, 2013c: 581). Scott *et al.* (2012: 2943) report that the mandibular symphyse is unfused, with smooth surfaces.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002), which showed no difference to *L. namibensis*.

FUNCTIONAL MORPHOLOGY:
Aspect ratio low; wing-loading very low (Malawi; M. Happold *pers. comm.* in Kearney (2013c: 582)). Flight highly manoeuvrable; turns by banking (minimum radius < 25 cm) and by stalling-and-twisting; individuals were able to sustain flight in a 1 x 1 x 1 m enclosure for up to three circuits/flight (6 bats, 10 flights each; M. Happold *pers. comm.*

in Kearney (2013c: 582)). Can take off from ground. Not easily able to climb or scuttle.

SEXUAL DIMORPHISM:
Sexes similar (Monadjem *et al.*, 2010d, Monadjem *et al.*, 2010d: 432, Kearney, 2013c: 581).

ECHOLOCATION:
Pierce *et al.* (2012: 41) report a mean peak frequency of 37.13 ± 2.37 kHz, and a mean bandwidth of 26.43 ± 11.49 kHz, with a duration of 2.68 ± 1.09 ms. Hand-released specimens from Malawi produced slightly longer FM-QCF (quasi-constant frequency) calls that had similar frequency parameters: duration: 4.73 ± 1.10 ms, mean peak frequency: 32.34 ± 1.42 kHz, and mean bandwidth of 29.72 ± 9.62 kHz. The maximum frequency in cluttered space was found to be 48.94 ± 4.6 kHz, as compared with 60.78 ± 9.33 kHz in open space.
Laephotis botswanae produces LD-FM echolocation calls with an intermediate peak frequency (33 kHz), broad bandwidth (22 kHz), and intermediate duration (5 ms). Besides the fundamental, the second and third harmonics are often present on the spectrogram (Fenton and Bell, 1981; also see Fenton and Thomas (1980).
Search-phase call-shape (Malawi) (a) steep FM/ QCF and (b) smooth steep/shallow FM (six bats recorded as released, one tethered; M. Happold *pers. comm.* in Kearney (2013c: 582). Start-frequency 60 - 72 kHz; end-frequency 29 - 33 kHz; peak- frequency 29 - 33 kHz; call-duration ca. 3 - 5 ms (155 calls). (b) Start- frequency 47 - 49 kHz; end-frequency 32 - 33 kHz; call-duration 15 ms (12 calls). Fenton and Bell (1981) reported calls from *Laephotis* of uncertain identity from Zimbabwe (see above) for which call-shape (based on one illustrated call) was angular steep/shallow FM; start- frequency 55 kHz; end-frequency 32 kHz; peak-frequency 33 kHz; maximum call-duration 5 ms. Although call shapes differed, the peak-frequency was the same in calls from Malawi and Zimbabwe, suggesting that the bats in both localities represent *L. botswanae* (Kearney, 2013c: 582).

Taylor *et al.* (2013b: 17) recorded two *L. botswanae* calls in Waterberg, South Africa, with the following parameters: F_{max}: 51.6 (50.3 - 53.0) kHz, F_{min}: 32.0 (31.8 - 32.2) kHz, F_{knee}: 35.6 (35.3 - 35.8) kHz, F_{char}: 33.0 (32.8 - 33.3) kHz, duration: 3.0 (2.9 - 3.1) msec.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 34,FN = 50, BA = 18, a submetacentric X chromosome, and an acrocentric Y chromosome, for specimens from South Africa.
Protein / allozyme - Unknown.

HABITAT:
Most specimens have been caught in mist-nets, usually over or close to water, in riverine woodland or woodland savanna (Monadjem *et al.*, 2010d: 435, Kearney, 2013c: 582). Their association with rocky outcrops has been noted in some localities (Herholdt, 1989, Cotterill, 1996a). In Malawi, recorded near streams, and lakes in montane and sub montane evergreen forest at 1520 - 1700 m, from miombo woodland near sub-montane rainforest at 1350 - 1500 m, from mosaic of miombo woodland, farmland and riverine woodland near rocky hills, dams, streams and marshes at 1000 m, and in ornamental gardens in the town of Zomba (800 900 m), with rocky hills nearby (Happold and Happold, 1997b).

Found in both savanna (75 % of specimen records) and grassland biomes (25 % of specimen records) (Kearney and Seamark, 2005: 85). However, since all the grassland biome records are from high altitude localities in Malawi (Happold and Happold, 1997b), it was suggested the identification of the specimens from Malawi should be confirmed using palatal and post-palatal measruements (Kearney and Seamark, 2005: 85).

Cooper-Bohannon *et al.* (2016: Table S2) mention its habitat preferences as Savanna (83 %) and Afromontane (16 %).

HABITS:
Becomes torpid during day at ambient temperatures 21 - 24 °C. Predicted mean maximum urine concentration is medium (3745 mOsmol/kg); captive bats drank regularly every night (Kearney, 2013c: 582).
Forages by slow hawking. A light-tagged individual, released in an area with marshland, a large dam, some woodland and farmland, observed for 53 min, foraged mainly between 1 - 3 m over the marsh, making straight level traverses to and fro with some jerky zig-zagging and some wide circling, but no diving or swooping upwards or any other acrobatic manoeuvres; also foraged over tall grass in spaces between trees, and flew over a banana plantation; did not fly above other trees and did not forage over the open water (M. Happold *pers. comm.* in Kearney (2013c: 582)).
Of 20 individuals sampled in Malawi, one post-lactating ♀ and one sub adult ♂ were mist netted together; one reproductively inactive ♀, one lactating ♀ and one ♂ with abdominal testes were caught in one mist-net at intervals of 15 mm and 5 mm respectively; and all others were caught singly on different dates and at different localities (M. Happold *pers. comm.* in Kearney (2013c: 582). All of four individuals mist-netted by Herholdt (1989)

in the Waterberg area in the Limpopo Province of South Africa were caught singly.

ROOST:
A pair was found roosting under the bark of a broken limb of a tree (HZM specimen label written by W F. H. Ansell); no other roosts known (Kearney, 2013c: 582).

DIET:
In Zimbabwe, *Laephotis botswanae* has been recorded feeding on Coleoptera, Lepidoptera and Trichoptera (Fenton *et al.*, 1977a, Fenton and Thomas, 1980). Fenton (1985) reported Coleoptera, Lepidoptera and Trichoptera in cool season diet of *Laephotis* in Zimbabwe, and Lepidoptera only in wet season; however, he was not sure if the bats represented *L. botswanae* or *L. angolensis* and this is still unresolved.

POPULATION:
Structure and Density - The abundance of this species is not well known. It seems to be rarely collected, and may be naturally rare (Schlitter, 2008e; IUCN, 2009). Rare in some parts of their distribution, although Herholdt (1989) and Happold and Happold (1997b) have suggested it is not uncommon, but seldom caught at other localities (Kearney, 2013c: 582). There was a marked change in numbers recorded in Malawi between a survey in 1984 - 85 with three specimens (Happold *et al.*, 1988), and 1993 - 94 with 17 specimens (Happold and Happold, 1997b). Herholdt (1989) suggested that their being caught singly might indicate they are not easily captured in mist-nets.
Numbers in museum collections are growing (Kearney, 2013c:582).
Trend - 2008 - Unknown (Schlitter, 2008e; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Litter-size not known (Kearney, 2013c: 582).
Reproductive chronology not known (data inconclusive) (Monadjem *et al.*, 2010d: 435, Kearney, 2013c: 582). At 15° 31' 5 (near Namadzi, Malawi), 2 of 3 adult ♀♀ were lactating and one was reproductively inactive in Dec; 2 of 2 were reproductively inactive in Jan; 2 of 2 were post-lactating in Feb; no data for other months (M. Happold *pers. comm.* in Kearney (2013c: 582)). Two subadults were captured in Jan and Feb. These data suggest that ♀♀ might not reach sexual maturity until second year.

PARASITES:
HEMIPTERA
A bed bug *Cocodmus viliosus* (Hemiptera: Cimieidae) has been recorded on *L. botswanae* from Huila, Angola, and found on *Laephotis* from S DR Congo, of which most of the host series have been identified as *L. botswanae*, although two specimens are considered to represent *L.* cf. *angolensis* (Stanley and Kock, 2004).

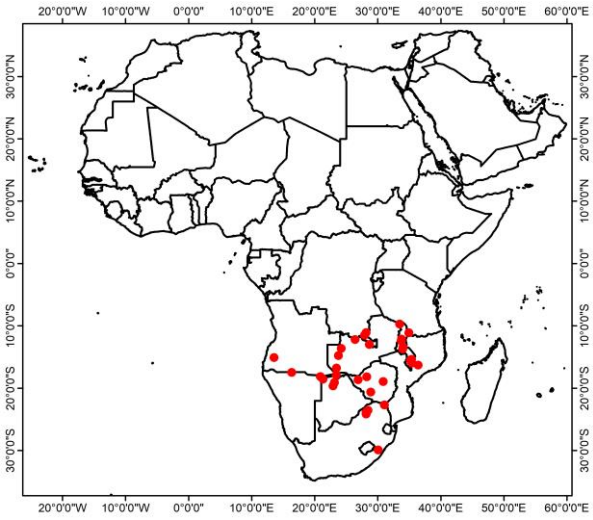

Figure 303. Distribution of *Laephotis botswanae*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Botswana, Congo (Democratic Republic of the), Malawi, Mozambique, Namibia, South Africa, Tanzania, Zambia, Zimbabwe.

Laephotis namibensis Setzer, 1971

*1971. *Laephotis namibensis* Setzer, Proc. Biol. Soc. Wash., 84 (32): 259, fig. 1a, 1c. Publication date: 4 November 1971. Type locality: Namibia: Namib Desert, Kuiseb River: Gobabeb (Namib Desert Research Station) [23 30 S 15 03 E, 407 m] [Goto Description]. Holotype: USNM 342152: ad ♀, skin and skull. Collected by: Ronald E. Cole; collection date: 22 November 1963; original number: 270. Paratype: USNM 342153: ♀. See Setzer (1971: 259). - Etymology: Referring to the country where the type specimen was collected. (Current Combination)

? *Laephotis cf. wintoni:*

TAXONOMY:
In a morphometric analysis with specimens of the other *Laephotis* taxa, specimens of *L. wintoni* and *L. namibensis* were not clearly separated (Kearney and Seamark, 2005: 85). Additional characters, or other systematic techiques will be required to

clarify the species distinction. Unfortunately, specimens from the Western Cape province in South Africa have been identified as both *L. wintoni* (Rautenbach and Nel, 1978b) and *L. namibensis* (Skinner and Smithers, 1990). Hence, see also the account for *L. wintoni* for the results of a study based in the Western Cape province of South Africa that identified the specimens as *L. wintoni* (Jacobs *et al.*, 2005).
Laephotis namibensis and *L. wintoni* may be conspecific, which would make the former a paler, western race of *L. wintoni* (Kearney and Seamark, 2005).
Bacular studies have also failed to show differences between selected species of *Laephotis* (Kearney *et al.*, 2002). Kearney and Seamark (2005) could not find a clear distinction between *L. namibensis* and *L. wintoni* and echoed the suggestion that they might be geographic races of the same species (Peterson, 1973). These results endorse the use of molecular studies to clarify the current confusion over species limits within this genus (Monadjem *et al.*, 2010d).
No subspecies are currently recognized.

COMMON NAMES:
Afrikaans: Namib-langoorvlermuis. Czech: netopýr namibský. English: Namibian Long-eared Bat, Namib Long-eared Bat. French: Oreillard de Namibie, Oreillard du Namib, Chauve-souris à longues oreilles de Namibie, Noctophile du Namib. German: Namibia-Langohrfledermaus.

SIMILAR SPECIES:
Not easily distinguished from other *Laephotis*:
Laephotis angolensis - FA shorter (34.3 (32 - 36) mm). Ears shorter, 15 -18 mm and narrower. Skull smaller, GLS: 13.7 - 13.8 mm; GWS: 6.7 - 8.1 mm; C-M^3: 4.3 mm.
L. botswanae - Skull shorter, GLS: 14.1 - 15.5 mm.
L. wintoni - Skull usually shorter, GLS: 15.6 - 16.3 mm. Dorsal pelage and wings apparently never creamy-brown (as far as is known).

CONSERVATION STATUS:
Global - Although this species is known mainly from isolated records from a relatively large area, it is listed as Least Concern (LC ver 3.1 (2001)), as most of the range is within well protected areas, wherer there are no significant threats, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Schlitter, 2008f; IUCN, 2009). Type locality (Gobabeb) is close to Namib Naukluft Park, which includes some of the Naukluftberge where this species probably roosts (Kearney, 2013d: 583).

Assessment History -
2008 - LC ver 3.1 (2001) (Schlitter, 2008f; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Schlitter, 2004b; IUCN, 2004). 1996 - EN (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - VU D2 ver 3.1 (2001) (Jacobs *et al.*, 2016a). 2004 - considered a vagrant not assessed, not recorded in SA, Cederberg specimens considered to be *L. wintoni* (Friedmann and Daly, 2004). 1986 - Indeterminate, assessed as *L. wintoni* (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Schlitter, 2008f; IUCN, 2009).

CONSERVATION ACTIONS:
Schlitter (2008f) [in IUCN (2009)] reports that much of the range of this species is protected within the Namib-Naukluft National Park, Namibia. Further studies are needed into the distribution and general natural history of this species.

GENERAL DISTRIBUTION:
Laephotis namibensis has been recorded from a few localities in Namibia (Kuiseb River, Gobabeb, Zwartmodder, Klein Aus and Helmeringshausen), and a single area in South Africa (Algeria in the Cedarberg Mountains of the Western Cape) (Skinner and Chimimba, 2005).

Found in the South West Arid BZ (Namib Desert) and in the South West Cape BZ. Recorded from Namibia (Gobabeb, Zwartmodder, Klein Aus, Helmeringshausen) and South Africa (Algeria Forest) (Setzer, 1971, Kearney, 2013d: 583).

Although, specimens from South Africa have also been identified as *L. wintoni*, see the discussion in the generic account.

Native: Namibia (Setzer, 1971; Kearney and Seamark, 2005: 87; Simmons, 2005; Monadjem *et al.*, 2010d: 564); South Africa (Kearney and Seamark, 2005: 87; Simmons, 2005; Monadjem *et al.*, 2010d: 564).

GEOGRAPHIC VARIATION:
Specimens from Namibia have much paler pelage and flight-membranes than those from South Africa (Kearney, 2013d: 583).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Laephotis namibensis is a small bat with a mass of around 10 g, without noseleaf and with tail more or less fully enclosed in interfemoral membrane; ears separated, of medium length for a vespertilionid (22 - 25 mm) and of medium relative length (54 - 65 % of FA, n= 11).
Pelage soft, slightly shaggy on rump; mid-dorsal hairs ca. 7 mm. Dorsal pelage creamy-brown or

yellowish-brown, varies geographically: the upper parts are pale brown in the Namib, but buffy-brown in the Western Cape; hairs distinctly bicoloured, basal 4 mm dark brown, terminal 3 mm creamy-brown or yellowish-brown. Ventral pelage (except in pelvic region) pale cream to whitish; hairs with basal 4 mm blackish-brown, terminal 3 mm pale cream or white (Kearney, 2013d: 583). Hairs in pelvic region pure white. The naked skin on muzzle and around eyes is pale brown. Ears pale to medium-brown, roughly triangular but elongated; tip rounded; inner margins almost meeting on forehead but not joined. Ears may be held erect above the head or (when resting) held horizontally at right-angles to head. Tragus shape much like that of *L. botswanae* except that in *L. namibensis* the bulge above the basal, posterior notch extends further out, making the tragus much wider at that point (Kearney, 2013d: 583). Wings pale creamy-brown (when dorsal pelage is pale) or dark brown (when dorsal pelage is yellowish-brown); arm-wing usually with whitish hind-border. Interfemoral membrane paler and more translucent (Kearney, 2013d: 583).

DENTAL FORMULA:
$^{2113}/_{3123}$ = 32.
Four upper and five lower cheekteeth and two upper incisors on each side. The upper premolar is sharply pointed and rises above the molars.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
As in all *Laephotis* spp. with braincase slightly flattened (rises slightly above the rostrum); rostrum rather narrow; zygomatic arches slender; no sagittal crest; lambdoid crest weakly developed. Skull on average long and wide for the genus (GLS: 16.1 - 17.0 mm; GWS: 8.4 - 9.2 mm). Palatal length: 8.0 (7.6 - 8.7) mm, n = 10 (Kearney and Seamark, 2005).

DETAILED MORPHOLOGY:
Baculum - See Kearney *et al.* (2002), which showed no difference to *L. botswanae*.
FUNCTIONAL MORPHOLOGY:
Laephotis namibensis has relatively broad wings with intermediate wing loading (7.0 N/m^2) and low aspect ratio (5.7) (Jacobs *et al.*, 2005; also see Schoeman and Jacobs (2008). It is a clutter-edge forager.

SEXUAL DIMORPHISM:
Sexes similar (Monadjem *et al.*, 2010d, Kearney, 2013d: 583).

ECHOLOCATION:
Laephotis namibensis produces low- intensity LD-FM echolocation calls with a low peak frequency (22 ± 0.6 kHz, n = 5), narrow bandwidth (13.5 ± 2.9 kHz, n = 5), and short duration (2.6 ± 0.8 ma, n = 5) (Jacobs *et al.*, 2005; also see Schoeman and Jacobs (2008). Besides the fundamental, the second harmonic is often present on the spectrogram (Monadjem *et al.*, 2010d).

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2001) for the results of a specimen from Namibia. See Stadelmann *et al.* (2004b) for the results of a specimen from the Western Cape in South Africa identified as *L. wintoni*, but from a locality where the species identification has also been assigned to *L. namibensis* (Skinner and Smithers, 1990).
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 34, FN = 50, BA = 18, a submetacentric X chromosome, and an acrocentric Y chromosome, for specimens from Namibia. Rautenbach *et al.* (1993) also obtained the same results for specimens from the Western Cape, which were identified as *L. wintoni*, but reassigned to *L. namibensis* (Skinner and Smithers, 1990).
Protein / allozyme - Unknown.

HABITAT:
Found in desert (60 % of specimen records), fynbos (20 % of specimen records), and savanna (20 % of specimen records) biomes (Kearney and Seamark, 2005: 85). Arid, mountainous habitat, in close proximity to open water (Kearney, 2013d: 583). Sirami *et al.* (2013: 35) recorded in the Western Cape Province, South Africa that *L. namibensis* activity was not significantly, nor positively influenced by size of wetland or habitats located 100 m from surrounding these wetlands. *L. namibensis* preferentially near trees, orchards surrounding wetlands and over these wetlands (Sirami *et al.*, 2013: 35).

HABITS:
The holotype and paratype were mist-netted over a waterhole in the bed of the Kuiseb R. near Namib Desert Research Station (Setzer, 1971). Individuals from Algeria Forest were mist netted as they flew along a water course, close to the water surface, between 20:30 and 21 :00h.

ROOST:
Roosts not known, but the association of this bat with cliffs (in South Africa) indicates that it might roost in cracks and crevices of cliff faces (Jacobs *et al.*, 2005, Kearney, 2013e: 585). Specimens have been caught while foraging for insects from early to mid-evening (18h30 - 21h40).

Three radio tagged females in the Western Cape province of South Africa roosted in different crevices or narrow fissures in a cliff face above the valley where they foraged (Jacobs *et al.*, 2005). They also moved roost from one day to the next

(Jacobs *et al.*, 2005).

DIET:
In the Cedarberg, Western Cape, its diet comprised mainly Lepidoptera and Coleoptera (Jacobs *et al.*, 2005, Schoeman 2006).

POPULATION:
Structure and Density - Although the species appears to be naturally rare in the Namib desert, it is rather commonly captured in mist-nets set around water tanks outside of the Namib (Schlitter, 2008f; IUCN, 2009). Rare (Kearney, 2013d: 583). Trend - 2008 - Stable (Schlitter, 2008f; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
In the Cedarberg, Western Cape, a pregnant ♀ was caught in November (Jacobs *et al.*, 2005) and a post-lactating ♀ was collected in late January (Seamark and Brand, 2005).

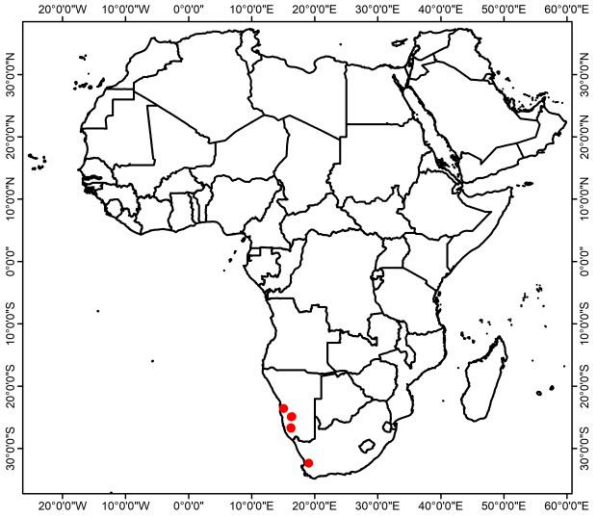

Figure 304. Distribution of *Laephotis namibensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Namibia, South Africa.

Laephotis wintoni Thomas, 1901

*1901. *Læphotis Wintoni* Thomas, Ann. Mag. nat. Hist., ser. 7, 7 (41): 460. Publication date: 1 May 1901. Type locality: Kenya: Kitui [01 22 S 38 01 E, 3 500 ft] [Goto Description]. Holotype: BMNH 1901.5.6.5: ♂, skin and skull. Collected by: Dr. Sidney Langford Hinde; collection date: 7 January 1901; original number: S.L.H.64. - Etymology: In honour of Mr W.E. de Winton, "whose labours on the small mammals of Africa all naturalists...have been so constantly indebted for assistance" (Thomas, 1901d: 462). (Current Combination)
? *Laephotis cf. wintoni:*
? *Laephotis wintoni:* (Current Spelling)

TAXONOMY:
In a morphometric analysis with specimens of the other *Laephotis* taxa, specimens of *L. wintoni* and *L. namibensis* were not clearly separated (Kearney and Seamark (2005: 85). Unfortunately, specimens from the Western Cape province in South Africa have been identified as both *L. wintoni* (Rautenbach and Nel, 1978b) and *L. namibensis* (Skinner and Smithers, 1990). Specimens from Lesotho and the Free State province in South Africa were assigned to cf. *wintoni* pending clarification of the species distinctions (Kearney and Taylor, 1997). Additional characters, or other systematic techiques will be required to clarify the species distinction. Specimens from KwaZulu-Natal Province in South Africa previously identified as cf. *wintoni* (Kearney and Taylor, 1997) were reassigned to *L. botswanae* (Kearney and Seamark, 2005: 85).

South African specimens were assigned to *L. wintoni* based on multivariate analysis of external and cranial measurements (Rautenbach and Nel, 1978b, Watson, 1990a, Kearney and Taylor, 1997). However, on the basis of post-palatal measurements and morphometric analyses of cranial characters including palatal measurements by Hill (1974a), the specimens assigned to *L. wintoni* by Kearney and Taylor (1997) have now been re-identified as *L. botswanae* (Kearney and Seamark, 2005). Specimens from Algeria Forest in the Western Cape (South Africa) originally described by Rautenbach and Nel (1978b) as *L. wintoni* were subsequently re-identified as *L. namibensis* in Skinner and Smithers (1990). However, new specimens from Algeria have been referred to as *L. wintoni* (based on Rautenbach and Nel, 1978b) by Jacobs *et al.* (2005). On the basis of morphometric analyses of cranial characters, including palatal measurements, the distinction between *L. wintoni* and *L. namibensis* could not be confirmed by Kearney and Seamark (2005); therefore, pending clarification of the status of *namibensis*, information from Jacobs *et al.* (2005) is mentioned in the profile for *L. namibensis*.
Laephotis namibensis and *L. wintoni* may be conspecific, which would make the former a paler, western race of the latter (Kearney and Seamark, 2005).

No subspecies are currently recognized.

COMMON NAMES:
Afrikaans: Winton se langoorvlermuis, Winton-langoorvlermuis. Czech: netopýr Wintonův. English: De Winton's Long-eared Bat, Winton's Long-eared Bat. French: Oreillard de De Winton, Chauve-souris à longues oreilles de De Winton, Noctophile de De Winton. German: De Wintons Langohrfledermaus. Italian: Lefòte di Wìnton.

SIMILAR SPECIES:
Not easily distinguished from other *Laephotis*:
Laephotis angolensis - FA shorter (32 - 36 mm). Ears shorter (15 - 18 mm) and narrower. Skull shorter and broader (GLS: 13.7 - 13.8 mm; GWS: 6.7 - 8.1 mm; C-M^3: 4.3 mm).
L. botswanae - FA on average shorter, 36.3 (30 - 39) mm. Skull usually smaller, GLS: 14.6 (14.1 - 15.5) mm; C-M^3: 4.7 (4.5 - 4.9) mm.
L. namibensis - Skull usually longer, GLS: 16.1 - 17.0 mm. Dorsal pelage and wings sometimes creamy-brown (see Geographic Variation).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) because, although it is seldom recorded, it has a relatively wide distribution, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Schlitter, 2008g; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Schlitter, 2008g; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Schlitter, 2004a; Jacobsen *et al.*, 1986). 1996 - LR/nt (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - VU D2 ver 3.1 (2001) (Avenant *et al.*, 2016a). 2004 - VU D2 ver 3.1 (2001), included *L. botswanae* from Hella-Hella and *L. namibensis* from Cederberg (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species (Schlitter, 2008g; IUCN, 2009).

CONSERVATION ACTIONS:
Schlitter (2008g) [in IUCN (2009)] reports that it has been recorded from the Sehlabathebe National Park in Lesotho, and may be present in additional protected areas. Additional studies into the population abundance and distribution are needed.

GENERAL DISTRIBUTION:
Recorded from Ethiopia in the north of its range, south through parts of Kenya (including Nyeri, Mount Kenya) and Tanzania (Mazumbai Forest Reserve, West Usambara Mountains (Kock and Howell, 1988); Kebebe Farms, Iringa district (Stanley and Kock, 2004), southern Zambia, Lesotho (including Sehlabathebe National Park), and South Africa (the Clarens district in the eastern Free State).

Laephotis wintoni occurs at high altitude (> 1,500 m above sea level) in Lesotho and the Free State (Kearney and Seamark, 2005), where it has been collected from montane grasslands. In Lesotho, it was netted over water (Lynch, 1994).

Specimens recorded from the Western Cape Province in South Africa have also been identified as *L. namibensis*, see the discussion in the generic account. The specimens from Game Valley Estates (Hella Hella) near Richmond, KwaZulu Natal, South Africa (Kearney and Taylor, 1997; Skinner and Chimimba, 2005: 317) are infact *L. botswanae* (Kearney and Seamark, 2005).

Native: Ethiopia (Kearney and Seamark, 2005: 87; Simmons, 2005: 492; Skinner and Chimimba, 2005: 317); Kenya (Kearney and Seamark, 2005: 87; Simmons, 2005: 492; Skinner and Chimimba, 2005: 317); Lesotho (Lynch and Watson, 1990; Lynch, 1994: 194; Kearney and Seamark, 2005: 87 as *L.* cf. *wintoni*; Skinner and Chimimba, 2005: 317; Monadjem *et al.*, 2010d: 564 as *L* cf. *wintoni*); South Africa (Lynch, 1994; Kearney and Taylor, 1997; Kearney and Seamark, 2005: 87 as *L.* cf. *wintoni*; Simmons, 2005: 492; Skinner and Chimimba, 2005: 317; Monadjem *et al.*, 2010d: 564 as *L.* cf. *wintoni*); Tanzania (Kock and Howell, 1988; Stanley and Kock, 2004: 174; Simmons, 2005: 492).

BIOGEOGRAPHY:
There are scattered records in the Afromontane Afroalpine and Somalia Masai BZs of Ethiopia and East Africa, and records much further south in the Afromontane Afroalpine and Highveld BZs of South Africa.

GEOGRAPHIC VARIATION:
None recorded (Kearney, 2013e: 584).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Laephotis wintoni is a small bat with a mass of around 10 g, without noseleaf and with tail more or less fully enclosed in interfemoral membrane; ears separated, of medium length for a vespertilionid (21 - 21 mm) and of medium relative length (53 - 60% of FA, n= 12). Mid-dorsal hairs ca. 8 mm. Dorsal pelage yellowish-brown to reddish-brown; hairs distinctly bicoloured, basal 6 mm dark brown, terminal 2 mm yellowish-brown or reddish-brown. Ventral pelage with chin yellowish-orange,

reddish-brown or pale brown, throat paler, pelvic region cream or white. Hairs (except in pelvic region) blackish- brown with yellowish-orange, reddish-brown, cream or white tips. Hairs in pelvic region pure white. Head fairly flat; naked skin on muzzle and around eyes is dark brown. Buccal pads observed in one ♂. Ears dark brown, roughly triangular but very elongated; tip rounded; inner margins almost meeting on forehead hut not joined. Ears may be held erect above the head or (when resting) held horizontally at right-angles to head. Wings dark brown or blackish-brown; presence or absence of hind-border is not known. Interfemoral membrane paler and more translucent.

DENTAL FORMULA:
$^{2113}/_{3123}$ = 32.
Four upper and five lower cheekteeth and two upper incisors on each side. The upper premolar is sharply pointed and rises above the molars.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002) as *L.* cf. *wintoni*.

SEXUAL DIMORPHISM:
Sexes similar (Monadjem *et al.*, 2010d, Kearney, 2013e: 584).

ECHOLOCATION:
The echolocation call of this species has not been recorded (Monadjem *et al.*, 2010d). However, Thiagavel *et al.* (2017: Suppl.) mention a peak frequency of 23.08 kHz.

MOLECULAR BIOLOGY:
DNA - See Stadelmann *et al.* (2004b) for the results of a specimen from the Western Cape in South Africa, for a locality that has had the taxa reassigned to *L. namibensis* (Skinner and Smithers, 1990).
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 34, FN = 50, BA = 18, a submetacentric X chromosome, and an acrocentric Y chromosome, for specimens from the Western Cape Province in South Africa, which were identified as *L. wintoni*, but reassigned to *L. namibensis* (Skinner and Smithers, 1990). Rautenbach *et al.* (1993) also obtained the same results for specimens from Namibia identified as *L. namibensis*.
Protein / allozyme - Unknown.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
As in all *Laephotis* spp. with braincase slightly flattened (rises slightly above the rostrum); rostrum rather narrow; zygomatic arches slender; no sagittal crest; lambdoid crest weakly developed. Skull on average medium-long and wide for the genus (GLS: 15.6 -16.3 mm; GWS: 8.8 - 9.5 mm). Palatal length: 8.1 (7.9 - 8.5) mm, n= 15.

Figure 305. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1901.5.6.5, holotype of *Laephotis Wintoni* Thomas, 1901.

HABITAT:
Excluding records from the Western Cape province locality in South Africa that have also been assigned to *L. namibensis* (Skinner and Smithers, 1990), it is a montane species found at high altitudes above 1000 m (Kock and Howell, 1988; Stanley and Kock, 2004: 176; Kearney and Seamark, 2005). *L. wintoni* has been found in East Africa in both forest (62.5 % of specimen records) and savanna (37.5 % of specimen records) biomes (Kock and Howell, 1988; Kearney and Seamark, 2005: 85). Specimens assigned to *L.* cf. *wintoni* from the Free State Province of South Africa and Lesotho are from the grassland biome (Kearney and Seamark, 2005: 85).

HABITS:
In Ethiopia, found at 1700 m, near a large Rift Valley reservoir on the Awash R. surrounded by Acacia woodland that has been extensively degraded to provide open farmland (Largen *et al.*, 1974). In East Africa, recorded from highland and mountainous areas with mosaics of evergreen bushland, secondary Acacia wooded grasslands and farmlands, and forests on the mountains: caught in forests, near forests and in woodlands. In the Free State Province of South Africa, recorded amongst large exotic trees in a drainage line flanked by sandstone cliffs (Watson, 1990a). In Lesotho, recorded from the vicinity of a dam

surrounded by a vlei overgrown with medium-height (600 mm) vegetation in Sehlabathebe N. P. (Lynch and Watson, 1990). In Sehlabathebe N. P., there is no significant cover of tall grass, forbs or woody vegetation; the climate is harsh; the topographical relief is fairly uniform, and the altitude is 2,300 - 2,650 m (Kearney, 2013e 584). See Jacobs *et al.*, 2005).

ROOST:
One individual was found under exfoliating rock (TM) (Kearney, 2013d: 583).

DIET:
A study in the Western Cape province of South Africa found the diet was dominated by tympanate moths in three of four individuals studied, the fourth individual's diet was dominated by beetles (Jacobs *et al.*, 2005). Hemiptera and Tricoptera were also eaten but in much smaller proportions (Jacobs *et al.*, 2005).

POPULATION:
Structure and Density - This seems to be an uncommon species, possibly having large population fluctuations. Multiple individuals have been caught in Lesotho and South Africa, however, in East Africa it is known from many localities, but as one or two animals only (Schlitter *pers. comm.* [in Schlitter (2008g) in IUCN (2009)]). Rare, but numbers in museum collections are increasing (Kearney, 2013e: 584).
Trend - 2008 - Unknown (Schlitter, 2008g; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
In Lesotho, a pregnant ♀ was collected in November (Lynch, 1994).

VIRUSES:
Bunyaviridae
Phlebovirus
Rift Valley Fever Virus (RVFV) - Oelofsen and Van der Ryst (1999) tested two and four individuals from Clarens, South Africa and Lesotho respectively for RVFV antigen using an enzyme linked immunosorbet assay (ELISA), none tested positive.

Coronaviridae - Coronaviruses
SARS-CoV - Müller *et al.* (2007b) tested between 1986 and 1999, for antibodies to SARS-CoV in serum of one individual from Limpopo Province, South Africa, and found none (0/1).

Rhabdoviridae
Lyssavirus - Rabies related viruses
Rabies - Oelofsen and Smith (1993) tested two and four individuals from Clarens, South Africa and Lesotho respectively using "Trousse Platelia Rage" ELISA kit (Diagnostic Pasteur), none tested positive for antibodies to rabies virus glycoprotein G. Oelofsen and Smith (1993) also tested two and four individuals from Clarens, South Africa and Lesotho respectively by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

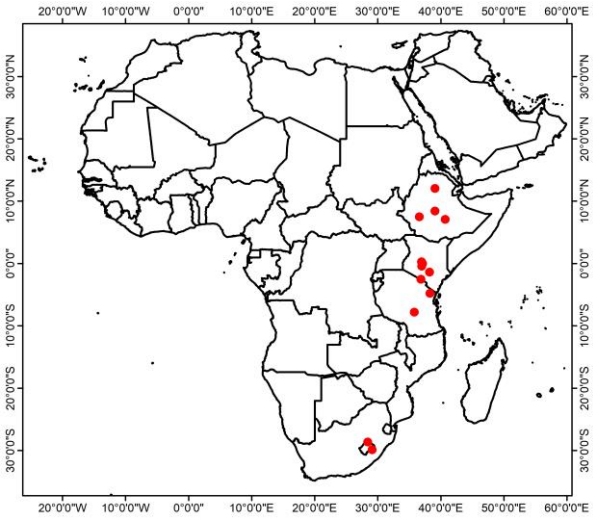

Figure 306. Distribution of *Laephotis wintoni*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Ethiopia, Kenya, Lesotho, South Africa, Tanzania.

Genus ***Mimetillus*** Thomas, 1904

*1904. *Mimetillus* Thomas, Abstr. Proc. Zool. Soc. Lond., 10: 12. Publication date: 22 November 1904. - Comments: Type species: *Vesperugo (Vesperus) moloneyi* Thomas, 1891. - Etymology: Lanza *et al.* (2015: 361 - 362) indicate that it possibly is derived from the masculine scientific Latin adjective *mimèticus*, meaning "mimetic" and the end of the masculine scientific Latin substantive *(Pipistre)llus*, meaning "bat", which combines to a "bat miming a member of the genus *Pipistrellus* (= *Vesperugo*)". (Current Combination)

? *Mimetillus sp.:*

TAXONOMY:
Pending revision, considered here to be a monotypic genus endemic to tropical Africa including Bioko Island (Happold, 2013da: 585). See Simmons (2005), Cotterill (2001 d) and Monadjem *et al.* (2010d).

Placed in tribe Vespertilionini (Simmons, 2005).

Known species of the genus *Mimetillus*: ***moloneyi*** (Thomas, 1891); ***thomasi*** Hinton, 1920.

COMMON NAMES:
Czech: Moloneyovi netopýři. English: Flat-headed Vesper Bats, Mimic Bats, Narrow-winged Bats, Flat-headed Bats. French: Mimétille, Chauve-souris à tête plate. German: Schmalflügel-Fledermäuse. Italian: Mimetìlli.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Diagnostic combination of characters: four upper and five lower cheekteeth and two upper incisors on each side; head conspicuously flattened; ears relatively short and not joined at base; outer margin of ear not reaching mouth; phalanges of third, fourth and fifth fingers very short (third finger shorter than HB); no body pattern; wings not reticulated (Happold, 2013da: 585).

DENTAL FORMULA:
$^{2113}/_{3123}$ = 32.

Mimetillus moloneyi (Thomas, 1891)

*1891. *Vesperugo (Vesperus) Moloneyi* Thomas, Ann. Mag. nat. Hist., ser. 6, 7 (42): 528, text-fig. Publication date: 1 June 1891. Type locality: Nigeria: Western region: Lagos [06 27 N 03 23 E] [Goto Description]. Holotype: BMNH 1891.5.5.2: ad ♂, alcoholic (skull not removed). Collected by: Sir Alfred Moloney. Presented/Donated by: Sir Alfred Moloney. See Thomas (1891a: 529). - Etymology: In honour of Sir Cornelius Alfred Moloney (1848 - 1913), a British civil cervant, collector of the type specimen (see Lanza *et al.*, 2015: 363).
? *Mimetillus moloneyi moloneyi:* (Name Combination)
? *Mimetillus moloneyi:* (Name Combination, Current Combination)

TAXONOMY:
Koopman (1993a: 207) included *thomasi* and *berneri*; but see Cotterill (2001c) and Simmons (2005).

COMMON NAMES:
Czech: netopýr Moloneyův. English: Moloney's Flat-headed Vesper Bat, Moloney's Mimic Bat, Moloney's Flat-headed Bat. French: Mimétille de Moloney, Chauve-souris à tête plate de Moloney. German: Moloneys Schmalflügel-Fledermaus, Moloneys Flachkopf-Fledermaus. Italian: Mimetìllo di Moloney. Spanish (Castillian): Murciélago de cabeza Plana.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008ai; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008ai; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004ah; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Jacobs *et al.*, 2008ai; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008ai) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Additional research into the taxonomy of this species is needed.

GENERAL DISTRIBUTION:
Widespread over much of sub-Saharan Africa. It ranges from Sierra Leone in the west, through West Africa and Central Africa (although seemingly absent from much of the Congo basin), to southern Sudan and western Ethiopia in the east, from here it ranges southwards through East Africa to Zambia and Angola, with the southernmost record from south-central Mozambique. It is found at elevations of up to 2,300 m asl.

Native: Angola; Cameroon; Central African Republic (Lunde *et al.*, 2001: 537); Congo (Bates *et al.*, 2013: 325 - 1st authenticated record); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 564); Côte d'Ivoire; Equatorial Guinea; Ethiopia; Gabon; Ghana; Guinea (Fahr *et al.*, 2006a; Decher *et al.*, 2016: 266); Kenya (Start, 1969: 223); Liberia (Fahr, 2007a: 104); Mozambique; Nigeria; Sierra Leone; Sudan; Tanzania; Togo; Uganda; Zambia.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

HABITAT:
Monadjem *et al.* (2016y: 369) recorded this species from forested and disturbed habitats between 400 and 520 m at the Mount Nimba area.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - Although the species is difficult to catch, it is not considered to be especially rare (Jacobs *et al.*, 2008ai; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008ai; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Krutzsch (2000: 124) indicates that males have enlarged testes in January and June and that females parturate in February/March and in August.

PARASITES:
ACARI:
Fain (1963: 256) reported the presence of a *Notoedres (Notoedres) mimetilli* Fain, 1959 on a *M. moloneyi* from Bio [=Bo?], Sierra-Leone.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Kenya, Liberia, Nigeria, Sierra Leone, South Sudan, Tanzania, Uganda, Zambia, Zimbabwe.

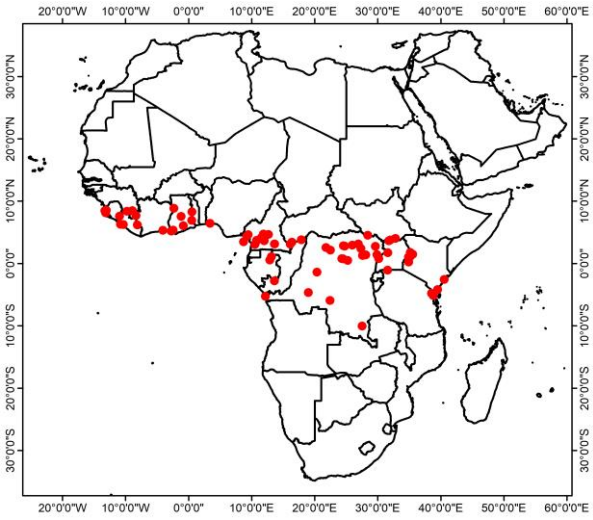

Figure 307. Distribution of *Mimetillus moloneyi*

Mimetillus thomasi Hinton, 1920

*1920. *Mimetillus thomasi* Hinton, Ann. Mag. nat. Hist., ser. 9, 6 (32): 240. Publication date: 1 August 1920. Type locality: Zambia: Ndola [12 58 S 28 38 E, 1 400 m] [Goto Description]. Holotype: BMNH 1920.11.3.28: ad ♀. Collected by: Captain Guy Chester Shortridge; collection date: 4 October 1919; original number: 481. - Etymology: In honour of Oldfield Thomas. (Current Combination)
1933. *Mimetillus berneri* Monard, Bull. Soc. Neuchât. Sci. nat., 57: 49 (for 1932?). Type locality: Angola: South-Central Angola: Vila da Ponte [14 25 S 16 15 E]. - Comments: Allen (1939a:89) mentions 1932 as year of publication.
? *Mimetillus moloneyi berneri:*
? *Mimetillus moloneyi thomasi:*

TAXONOMY:
Koopman (1993a: 207) included *thomasi* and *berneri* in *moloneyi*; but see Cotterill (2001c), Monadjem *et al.* (2010d: 444; 2010c: 390) who consider *thomasi* to be a separate species.

COMMON NAMES:
English: Thomas's Flat-headed Bat. French: Mimétille de Thomas. German: Thomas' Schmalflügel-Fledermaus.

CONSERVATION STATUS:
Global - Not assessed (IUCN, 2004).

GENERAL DISTRIBUTION:
Mimetillus thomasi is found from Bioko, Zambia and southern Congo south to Tanzania, Angola and Mozambique.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 564); Congo (Democratic Republic of) (Schouteden, 1944; Monadjem *et al.*, 2010d: 564); Mozambique (Monadjem *et al.*, 2010d: 564); Zambia (Monadjem *et al.*, 2010d: 564).

PARASITES:
Acari:
Fain (1959d: 155) described *Notoedres (Notoedres) mimetilli* (Sarcoptidae) from *Mimetillus thomasi* from Katanga, DRC.

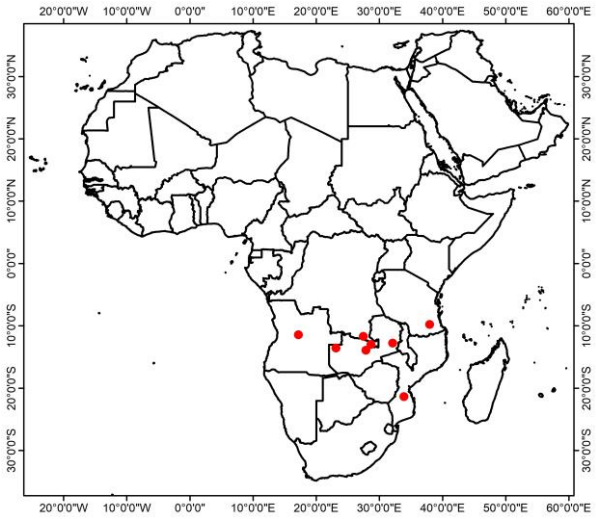

Figure 308. Distribution of *Mimetillus thomasi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Angola, Congo (Democratic Republic of the), Mozambique, Tanzania, Zambia.

Genus ***Neoromicia*** Roberts, 1926

1908. *Scabrifer* G.M. Allen, Bull. Mus. comp. Zool., 52 (3): 46. Publication date: July 1908. - Comments: Type species: *Scabrifer notius* G.M. Allen, 1908. Originally described as substitute for *Rhinopterus* Miller, preoccupied by *Rhinoptera* Kuhl, 1841 (see Allen, 1908: 46; 1939a: 97).

*1926. *Neoromicia* Roberts, Ann. Transv. Mus., 11: 245. Publication date: 14 September 1926 [Goto Description]. - Comments: Type species: *Eptesicus zuluensis* Roberts, 1924. - Etymology: From the Greek prefix "*νεο*" (nèo), meaning "new" and the feminine scientific Latin substantive *Romìcia*, which in turn is a feminine scientific Latin substantive almost surely deriving from the Greek substantive "*ῥόμιξα*" (rhómiksa), corresponding to the masculine Latin substantive *rùmex* (genitive *rùmicis*), meaning "dock", a plant with spear-shaped leaves. *Neoromicia calcarata,* the type species of the genus, is really provided of a well developed calcar, i.e. of a well developed uropatagial spur (see Lanza *et al.*, 2015: 380). (Current Combination)

1956. *Ephesicus:* Theodor, Parasitology, 46: 391. - Comments: used in combination with the species *tenuipinnis*, and therefore synonym of *Neoromicia*, not of *Eptesicus*. (Lapsus)

1987. *Nycterikaupius* Menu, Palaeovert., 17 (3): 108, pl. 4, fig. 1. Publication date: 15 November 1987 [Goto Description]. - Comments: In part.

1995. *Scabifer:* Peterson, Eger and Mitchell, Faune de Madagascar, Chiroptères, 84: 95. (Lapsus)

2000. *Pipestrellus:* Nwoha, Caxton-Martins and Baxter-Grillo, Folia Morphol., 59 (3): 154. Publication date: 6 July 2000. (Lapsus)

2003. *Neuromicia:* Avery, Avery and Colahan, Navors. nas. Mus., 19 (1): 8. Publication date: April 2003. (Lapsus)

2013. *Necroromicia:* Fenton, Koedoe, 55 (1): 1140 (p.3). Publication date: 19 March 2013. (Lapsus)

2015. *Neoromycia:* Thies and Lewis, Occ. Pap. Mus. Texas Tech Univ., 330: 7. Publication date: 10 February 2015. (Lapsus)

? *Neoromicia sp.:*

TAXONOMY:
Considered a subgenus of *Eptesicus* by Koopman (1993a: 201); considered a subgenus of *Pipistrellus* by Grubb *et al.* (1998: 85) and Hill and Harrison (1987: 248), but considered a valid genus by Volleth *et al.* (2001: 25), Simmons (2005). See also Riccucci and Lanza (2008) for a discussion on the gender of this genus name.

Helbig *et al.* (2010: 168) suggest that *Neoromicia* is actually a para- or polyphyletic group.

Known species of the genus *Neoromicia*: ***brunneus*** (Thomas, 1880); ***capensis*** (A. Smith, 1829); ***flavescens*** (Seabra, 1900); ***guineensis*** (Bocage, 1889); ***helios*** (Heller, 1912); sp. aff. ***melckorum*** (Roberts, 1919); ***nana*** (Peters, 1852); ***rendalli*** (Thomas, 1889); ***somalicus*** (Thomas, 1901); ***tenuipinnis*** (Peters, 1872); ***zuluensis*** (Roberts, 1924).

COMMON NAMES:
Czech: banánoví netopýři. English: Neoromicia Pipistrelle Bats. Italian: Neoromìcie.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Avery (2007: 619) reported on the presence of *Neoromicia* sp. in Pleistocene deposits at Wonderwerk Cave, South Africa.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Tragus: Monadjem *et al.* (2013c: 204) present a line drawing of the tragi of specimen DNSM 13225 (identified as *N.* sp. 1) from Mount Nimba, Liberia.

DETAILED MORPHOLOGY:
Baculum: The shaft tip of the baculum was bulbous and lobed in all the *Neoromicia* species from Liberia examined (Monadjem *et al.*, 2013c: 197).

ECHOLOCATION:
Kofoky *et al.* (2009: 382) reported the calls potentially from *N. melckorum* and *N. matroka*, which had steep FM followed by a shallow QFM pulse at a low duty cycle.

PREDATORS:
Goodman *et al.* (2015c: 78) found the remains of five *Pipistrellus/Neoromicia* sp. individuals in pellets of Bat Hawk *Macheiramphus alcinus* Bonaparte, 1850 in western central Madagascar.

VIRUSES:
Coronaviridae
None of the 34 Kenyan *Neoromicia* sp. tested by Tao *et al.* (2017: Suppl.) was positive for CoV.

Geldenhuys *et al.* (2018: 5) investigated fecal, rectal and intestinal swaps of 58 *Neoromicia* (*N. capensis, N. zuluensis, N. nana* and *N.* cf. *helios*) specimens collected over an eight-year period (2007 - 2015) in northeastern RSA. In these, they found the following virus families: ssRNA viruses: *Orthomyxoviridae* (30.49 %), *Picornaviridae* (22.56 %), *Bunyaviridae* (10.98 %), *Coronaviridae* (9.15 %), *Virgaviridae* (2.44 %), *Caliciviridae* (2.44 %), *Tymoviridae* (2.44 %), *Flaviviridae* (1.83 %), *Rhabdoviridae* (1.22 %) *Sobemoviridae* (0.61 %), and unclassified (15.9 %); ssDNA viruses: *Microviridae* (86 %), *Circoviridae* (8 %), *Parvoviridae* (6 %), *Inoviridae* (0.9 %), and *Anelloviridae* (0.05 %); dsDNA viruses: *Herpesviridae*(48 %), *Caudoviridae* (26.7 %), *Adenoviridae* (17 %), *Papillomaviridae* (2.7 %), *Ampullavirida* (1.8 %), *Iridoviridae* (0.9 %), *Phycodnaviridae* (0.9 %), *Baculoviridae* (0.6 %), *Polydnaviridae* (0.6 %), *Nimaviridae* (0.3 %), and unclassified (0.3 %). One of the *Ciroviridae* (genus *Cyclovirus*) was found to be a new species: *Neoromicia*-associated cyclovirus 1 strain 19681/RSA (or NeoCycloV-1), for which the closest relative was retrieved from human stool (Geldenhuys *et al.*, 2018: 10). Furthermore, they (p. 13) reported the a novel *Neoromicia* picornavirus sequence (BatPicV/NeoC21877/RSA), which should be the first bat picornavirus from an insectivorous bat genus in Africa.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Gabon, Ghana, Kenya, Liberia, Malawi, Mozambique, Rwanda, Somalia, South Africa, South Sudan, Tanzania, Uganda, Zambia, Zimbabwe.

Neoromicia aff. guineensis Bocage, 1889

2016. *Neoromicia sp. (aff. guineensis):* Kruskop, Benda, Vasenkov and Lavrenchenko, Lynx, 47: 62. (Name Combination)

TAXONOMY:
Although very similar to *N. guineensis* morphologically, preliminary molecular genetic analyses by Kruskop *et al.* (2016: 62) indicated that a number of animals differed from other Ethiopian specimens belonging to *N. guineensis, N.* cf. *zuluensis* and *N. somalica*. Further comparisons with specimens from other areas from Africa will be required to assess the taxonomic status of these specimens.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia.

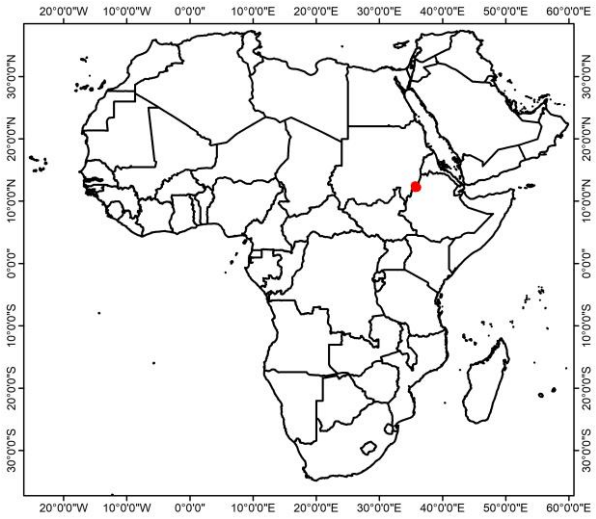

Figure 309. Distribution of *Neoromicia* aff. *guineensis*

Neoromicia brunnea (Thomas, 1880)

*1880. *Vesperugo (Vesperus) brunneus* Thomas, Ann. Mag. nat. Hist., ser. 5, 6 (32): 165, 1 text-fig. Publication date: 1 August 1880. Type locality: Nigeria: Eastern region: Calabar [04 56 N 08 22 E]. Holotype: BMNH 1880.7.21.7: ad ♀, skull and alcoholic. Collected by: Dr. A. Robb. Presented/Donated by: Dr. J.A. Smith. - Comments: Allen (1939a: 84), Grubb *et al.* (1998: 86) mentioned "Old Calabar, West Africa" as type locality.

1880. *Vesperugo brunneus:* Dobson, Report 50th Meeting British Association Advancement Science, 1880: 185. - Comments: (redescription of type). (Name Combination)

1939. *Eptesicus brunneus:* G.M. Allen, Bull. Mus. comp. Zool., 83: 84. (Name Combination)

1971. *Eptesicus [(Eptesicus)] brunneus:* Hayman and Hill, Mammals of Africa: Chiroptera, 44. (Name Combination)

1987. *Nycterikaupius brunneus:* Menu, Palaeovert., 17 (3): 109. Publication date: 15 November 1987. (Name Combination)

1987. *Pipistrellus (Neoromicia) brunneus:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 282. (Name Combination)

1989. *P[ipistrellus] brunneus:* Koopman, Am. Mus. Novit., 2946: 10. - Comments: (This might be a lapsus, since Koopman used *Eptesicus brunneus* on page 7). (Name Combination, Lapsus)

1993. *Eptesicus (Neoromicia) brunneus:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 201. (Name Combination)

1995. *Pipistrellus brunneus:* Koopman, Kofron and Chapman, Am. Mus. Novit., 3148: 11. (Name Combination)

2003. *? (Hypsugo) brunneus:* Hoofer and Van Den Bussche, Acta Chiropt., 5 (Suppl.): 38. (Name Combination)

2008. *N[eoromicia] brunnea:* Riccucci and Lanza, Hystrix, It. J. Mamm., (n.s.) 19 (2): 176. - Comments: Riccucci and Lanza (2008: 176) indicate that the genus *Neoromicia* is feminine, therefore the spelling of the species ending must also be feminine according to Art. 31.2 of the ICZN (1999). (Current Combination, Current Spelling)

? *Neoromicia brunnea:*

? *Neoromicia brunneus:* (Name Combination)

TAXONOMY:
Mentioned in the genus *Pipistrellus* by Koopman (1994: 117). Included (as "*(Hypsugo) brunneus*") in a separate, unnamed genus by Hoofer and Van Den Bussche (2003: 38).

Helbig *et al.* (2010: 168) suggest that *brunnea* needs to be transferred to a genus that needs to be newly created or resurrected from the current synonymy.

Riccucci and Lanza (2008) indicate that the genus *Neoromicia* is feminine, therefore the species name *brunneus* must be corrected into *brunnea*.

COMMON NAMES:
Czech: netopýr kalabarský. English: Brown Pipistrelle Bat, Dark-brown Pipistrelle Bat, Dark-brown Serotine. French: Sérotine brune d'Afrique, Sérotine brun-noire. German: Dunkelbraune Zwergfledermaus, Dunkelbraune Pipistrelle.

CONSERVATION STATUS:
Global - Listed as Near Threatened (NT ver 3.1 (2001)) because this species is probably in significant decline (but at a rate of less than, but close, to 30 % over a ten year period) because of widespread habitat loss through much of its range, thus making the species close to qualifying for Vulnerable A4c (Fahr, 2008f; IUCN, 2009).

Assessment Histroy -
2008 - NT ver 3.1 (2001) [assessed as *Pipistrellus brunneus*] (Fahr, 2008f; IUCN, 2009). 2004 - NT ver 3.1 (2001) [assessed as *Neoromicia brunneus*] (Fahr, 2004k; IUCN, 2004). 1996 - LR/nt [assessed as *Eptesicus brunneus*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
This species is threatened by deforestation resulting from logging operations, and the conversion of its habitat to agricultural use (Fahr, 2008f; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008f) [in IUCN (2009)] reports that there appear to be no conservation measures in place for this species. There is a need to establish and manage suitable protected areas for this species.

GENERAL DISTRIBUTION:
Neoromicia brunnea is known from a few widespread localities in West and Central Africa. It ranges from Sierra Leone in the west, to Congo in the east. The distribution is believed to be patchy, as surveys have generally been unable to locate this species outside of its known range.

Native: Cameroon; Congo (Bates *et al.*, 2013: 325 - 1st authenticated record); Côte d'Ivoire; Equatorial Guinea (Bioko); Gabon; Ghana; Liberia; Nigeria; Sierra Leone.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Tragus: Monadjem *et al.* (2013c: 204) present a line drawing of the tragi of specimen DNSM 13229 from Mount Nimba, Liberia.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

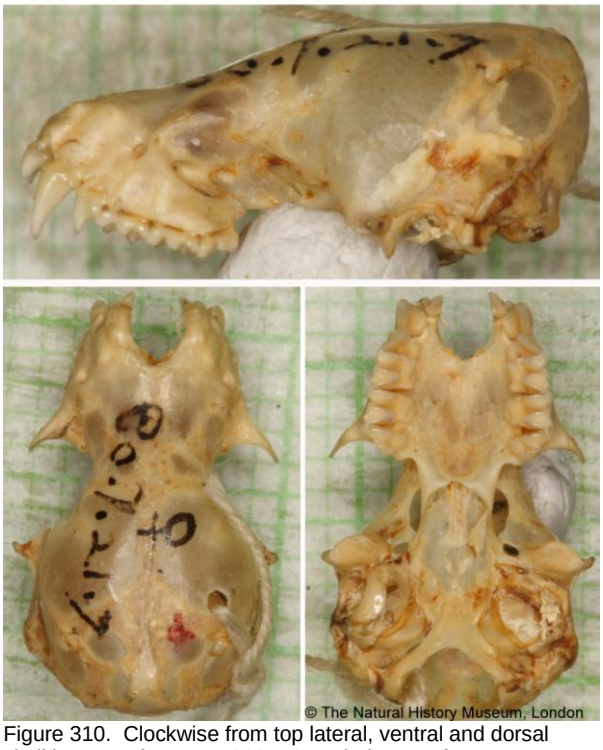

Figure 310. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1880.7.21.7, holotype of *Vesperugo* (*Vesperus*) *brunneus* Thomas, 1880.

DETAILED MORPHOLOGY:
Baculum: The basal lobes in the lateral view were broadest near the shaft base, tapering to a rounded end and were flattened at the bottom, giving them a 'shoe-like' appearance (Monadjem *et al.*, 2013c: 197). Line drawing of dorsal and ventral bacula of specimen DNSM 13229 from Mount Nimba, Liberia are shown in Monadjem *et al.* (2013c: 204).

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).
Karyotype - McBee *et al.* (1987) reported 2*n* = 36, FN = 50, BA = 16, a submetacentric X chromosome and an acrocentric Y chromosome.
Protein / allozyme - Unknown.

HABITAT:
Monadjem *et al.* (2016y: 369) recorded this species from forested habitats between 400 and 520 m altitude in the Mount Nimba area.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Fahr, 2008f; IUCN, 2009).
Trend - 2008 - Decreasing (Fahr, 2008f; IUCN, 2009).

PARASITES:
Nycteribiidae: *Tripselia echinata* Theodor 1957 from Old Calabar, Nigeria (Haeselbarth *et al.*,

1966: 113).

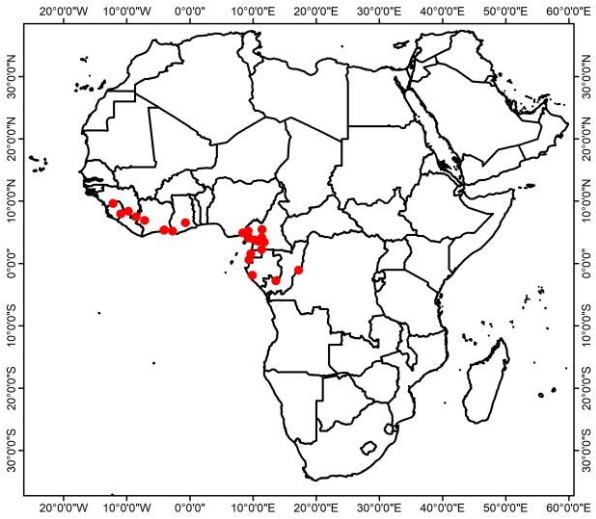

Figure 311. Distribution of *Neoromicia brunnea*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Cameroon, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Liberia, Nigeria, Sierra Leone.

Neoromicia capensis (A. Smith, 1829)

*1829. *Vespertilio Capensis* A. Smith, Zool. Journ., 4 (16): 435. Publication date: May 1829. Type locality: South Africa: Cape province: Grahamstown [33 18 S 26 32 E] [Goto Description]. Lectotype: BMNH 1848.6.12.18: ad, skin only. Collected by: Dr. J.A. Smith. This skin should match skull BMNH 1848.6.12.21. Lectotype: BMNH 1849.8.16.21: ad, skull only. Collected by: Dr. J.A. Smith. This skull should match skin BMNH 1849.8.16.18. - Comments: Thorn *et al.* (2009: 56) mention that the "Lectotype (Thomas 1926) probably does not match the Grahamstown type-locality selected by Roberts (1951), see Thorn (1988a).". - Etymology: The name *capensis* refers to the Cape, where the type specimen was collected.

1840. *Vespertilio minuta* Temminck, Monographies de mammalogie ou description de quelques genres de mammifères, dont les espèces ont été observées dans les différens musées de l'Europe. Tome Seconde, 2: 209. Type locality: South Africa: Cape of Good Hope [ca. 33 56 S 18 28 E] [Goto Description]. - Comments: Preoccupied by *Vespertilio minutus* Montagu, 1808.

1855. *Vespertilio (Vesperus) minutus:* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 5: 747.

1860. *Hypsugo minutus:* Kolenati, Monographie der Europäischen Chiroptern, 20.

1861. *Scotophilus capensis:* Tomes, Proc. zool. Soc. Lond., 1861, I: 36. (Name Combination)

1861. *Scotophilus minutus:* Tomes, Proc. zool. Soc. Lond., 1861, I: 32.

1878. *Vesperugo (Vesperus) capensis:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 198. (Name Combination)

1878. *Vesperugo (Vesperus) minutus:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 197.

1886. *Vesperugo capensis?:* Nehring, Katalog der Säugethiere, 5. (Name Combination)

1887. *Vesperus minutus:* Jentink, Mus. Hist. nat. Pays-Bas, Leyden, 275.

1889. *Vesperus damarensis* Noack, Zool. Jb. Syst., 4: 213, pl. 5, fig. 59. Publication date: 28 February 1889. Type locality: Namibia: Damaraland: Omburu and Golabie [Goto Description]. Syntype: ZMB 86231: ad ♀, skin and skull. Collected by: Heinrich Rudolph Schinz; collection date: August 1886. Formerly A4902; see Turni and Kock (2008: 65). Syntype: ZMB A.4903: ad ♀, alcoholic (skull missing). Collected by: Heinrich Rudolph Schinz; collection date: August 1886. From Omburo; see Turni and Kock (2008: 65) [missing]. Syntype: ZMZ ad ♀, skin and skull. Collected by: Heinrich Rudolph Schinz. Locality Golabie, see Turni and Kock (2008: 65).

1897. *Eptesicus minutus:* Matschie, Arch. Naturgesch. Berlin, 63 (1): 84.

1897. *Vesperugo (Vesperus) damarensis:* Trouessart, Catalogus Mammalium tam viventium quam fossilium, fasc. I: 110.

1901. *Vespertilio (Eptesicus) capensis:* Sclater, Mammals of South Africa, 123, 125. (Name

Combination)
1901. *Vespertilio (Eptesicus) damarensis:* Sclater, Mammals of South Africa, 123, 128.
1901. *Vespertilio (Eptesicus) minutus:* Sclater, Mammals of South Africa, 123, 124.
1905. *Vespertilio capensis gracilior* Thomas and Schwann, Proc. zool. Soc. Lond., 1905, I, II: 257. Publication date: 10 August 1905. Type locality: South Africa: KwaZulu-Natal: Eshowe [28 54 S 31 28 E]. Holotype: BMNH 1904.8.31.3: ad? ♂, skin and skull. Collected by: Captain Claude Henry Baxter Grant and C.D. Rudd; collection date: 15 February 1904; original number: 678. (Name Combination)
1907. *Vespertilio (Vespertilio) minutus:* Elliot, Field Columbian Mus., Zool. Ser., 115 (8): 512.
1908. *Scabrifer notius* G.M. Allen, Bull. Mus. comp. Zool., 52 (3): 46. Publication date: July 1908. Type locality: South Africa: SW Cape province: [=Western Cape]: Cape Town [33 56 S 18 28 E] [Goto Description]. Holotype: MCZ 4555: ad ♂, skull and alcoholic. Collected by: Edgar Leopold Layard; collection date: August 1864. Presented/Donated by: Edgar Leopold Layard. See Allen (1908: 46); Helgen and McFadden (2001: 147).
1917. *Eptesicus garambæ* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 445. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Garamba [04 11 N 30 00 E] [Goto Description]. Holotype: AMNH 49340: ad ♂, skull and alcoholic. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 14 March 1912; original number: 1888.
1917. *Eptesicus minutus minutus:* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 410, 445.
1919. *Eptesicus melckorum* Roberts, Ann. Transv. Mus., 6(3): 113. Type locality: South Africa: SW Cape province: Berg River: Kersfontein [32 51 S 18 42 E] [Goto Description]. Holotype: TM 2283: ad ♀, skin and skull. Collected by: Austin Roberts and Adendorff; collection date: 21 November 1917; original number: 533. Note: In loft, under eaves of house. - Etymology: In honour of R. Melck of Kersfontein, Berg River, Cape Province, on whose property the original specimen was taken (Smithers, 1983: 102).
1923. *Eptesicus capensis:* Kershaw, Rev. Zool. afr., 11 (4): 358. (Name Combination)
1924. *Eptesicus capensis gracilior:* Roberts, Ann. Transv. Mus., 10: 60. (Name Combination)
1926. *Eptesicus damarensis:* Thomas, Proc. zool. Soc. Lond., 1926, I: 286.
1932. *Eptesicus capensis nkatiensis* Roberts, Ann. Transv. Mus., 15 (1): 16. Publication date: 1 October 1932. Type locality: Botswana: N Bechuanaland: Nkate [20 00 S 26 10 E] [Goto Description]. Holotype: TM 6549: ad ♀, skin and skull. Collected by: The Vernay-Lang Kalahari Expedition 1930; collection date: 18 August 1930; original number: 999. (Name Combination)
1934. *Eptesicus capensis capensis:* Shortridge, Mammals of South West Africa, 61. (Name Combination)
1939. *Rhinopterus notius:* G.M. Allen, Bull. Mus. comp. Zool., 83: 97.
1953. *Eptesicus (Eptesicus) capensis capensis:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 75. (Name Combination)
1953. *Eptesicus (Eptesicus) capensis damarensis:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 75. (Name Combination)
1953. *Eptesicus (Eptesicus) capensis gracilior:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 75. (Name Combination)
1953. *Eptesicus (Eptesicus) capensis:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 75. (Name Combination)
1953. *Eptesicus (Rhinopterus) notius:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 78.
1961. *Eptesicus notius:* Bateman, Koedoe, 4: 82.
1965. *Eptesicus capensis garambae:* Koopman, Am. Mus. Novit., 2219: 15. (Name Combination)
1975. *Eptiscus capensis:* Dean, Zool. Afr., 10: 218. (Lapsus)
1984. *[Pipistrellus] capensis:* Heller and Volleth, Z. zool. Syst. Evolut.-forsch., 22: 72. (Name Combination)
1984. *Eptesicus (Eptesicus) capensis garambae:* Anciaux de Faveaux, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch. (Name Combination)
1984. *Eptesicus (Eptesicus) capensis grandidieri:* Anciaux de Faveaux, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch. (Name Combination)
1987. *Nycterikaupius capensis:* Menu, Palaeovert., 17 (3): 109. Publication date: 15 November 1987. (Name Combination)
1987. *Pipistrellus (Neoromicia) capensis:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52

(7): 282. (Name Combination)
1988. *P[ipistrellu]s c[apensis] notius:* Thorn, Mammalia, 52 (2): 202. (Name Combination)
1988. *Pipistrellus (Neoromicia) capensis capensis:* Ansell and Dowsett, Mammals of Malawi, 41. (Name Combination)
1988. *Pipistrellus (Neoromicia) capensis gracilior:* Ansell and Dowsett, Mammals of Malawi, 41. (Name Combination)
1988. *Pipistrellus capensis capensis:* Thorn, Mammalia, 52 (2): 199. (Name Combination)
1988. *Pipistrellus capensis gracilior:* Thorn, Mammalia, 52 (2): 204. (Name Combination)
1988. *Pipistrellus capensis:* Thorn, Mammalia, 52 (2): 199. (Name Combination)
1993. *Eptesicus (Neoromicia) capensis:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 201. (Name Combination)
1994. *P[ipistrellus (Neoromicia)] c[apensis] damarensis:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 55. (Name Combination)
1994. *P[ipistrellus (Neoromicia)] c[apensis] garambae:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 55. (Name Combination)
1994. *P[ipistrellus (Neoromicia)] c[apensis] grandidieri:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 55. (Name Combination)
1994. *P[ipistrellus (Neoromicia)] c[apensis] matroka:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 55. (Name Combination)
1994. *P[ipistrellus (Neoromicia)] c[apensis] notius:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 55. (Name Combination)
2001. *Hypsugo capensis:* Volleth, Bronner, Göpfert, Heller, von Helversen and Yong, Chromosome Res., 9 (1): 25. - Comments: Possibly a lapsus since this combination is only mentioned once in the abstract, as is *Pipistrellus (Neoromicia) capensis*. All other references to this taxon refer to it as *Neoromicia capensis*. (Name Combination, Lapsus)
2001. *Neoromicia capensis:* Volleth, Bronner, Göpfert, Heller, von Helversen and Yong, Chromosome Res., 9 (1): 26. (Name Combination, Current Combination)
? *Eptesicus capensis damarensis:* (Name Combination)
? *Eptesicus capensis notius:* (Name Combination)
? *Eptesicus capensis subsp.:*
? *Neoromicia capensis A2:*
? *Neoromicia capensis capensis:* (Name Combination)
? *Neoromicia capensis damarensis:* (Name Combination)
? *Neoromicia capensis garambae:* (Name Combination)
? *Neoromicia capensis gracilior:* (Name Combination)
? *Neoromicia capensis nkatiensis:* (Name Combination)
? *Neoromicia cf. capensis*

TAXONOMY:

Figure 312. *Neoromicia capensis* (SMG-15768) caught at Marloth Park, Mpumalanga, South Africa.

Includes *notius*; see Koopman (1975: 405). Mentioned in the genus *Pipistrellus* by Koopman (1994: 117). Most of the West African populations have not been allocated to subspecies. Volleth *et al.* (2001: 27) assigned this species to the genus *Neoromicia*. Koopman (1993a: 201) included *matroka*, but see Peterson *et al.* (1995: 104). Thorn *et al.* (2007: 70) removed *grandidieri* Dobson, 1876.

Helbig *et al.* (2010: 168) suggest transferring *capensis* to the genus *Laephotis*.

COMMON NAMES:
Afrikaans: Kaapse dakvlermuis. Czech: netopýr kapský, netopýr hnědý, netopýr damarský.

English: Cape bat, Cape Serotine, Cape Pipistrelle Bat, Cape Serotine Bat, Cape House Bat. French: Sérotine du Cap. German: Kap-Zwergfledermaus, Kap-Pipistrelle, Capische Abendfledermaus. Italian: Pipistrèllo capènse. Kiluba (DRC): Kasusu. Portuguese: Morcego caseiro do cabo.

ETYMOLOGY OF COMMON NAME:
The colloquial name serotine is derived from the Latin *serotinus*, late in the evening (*serus*) (Taylor, 2005). The name serotine is referring to *Eptesicus serotinus* and was in general use when the current species was still considered to belong to that genus.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
This species has been recovered from the upper Pleistocene at Border Cave (Avery, 1991: 6) and Wonderwerk (Avery and Avery, 2011: 19), South Africa, as well as from Holocene deposits at Blinkklipkop, Limerock, Wonderwerk (Avery and Avery, 2011: 19).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008r; IUCN, IUCN, 2009).

Assessment Histroy -
2008 - LC ver 3.1 (2001) [assessed as *Pipistrellus capensis*] (Jacobs *et al.*, 2008r; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004t; IUCN, 2004). 1996 - LR/lc [assessed as *Eptesicus capensis*] (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016w). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Jacobs *et al.*, 2008r; IUCN, 2009), although Doty and Martin (2012: 75) report on fatalities due to wind turbines in the Eastern Cape, South Africa.

CONSERVATION ACTIONS:
Jacobs *et al.* (2008r) [in IUCN (2009)] report that in view of the species wide range and adaptability it is expected to occur in many protected areas (such as the Udzungwa Mountains National Park (Stanley *et al.*, 2005b)). There are no direct conservation measures currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Neoromicia capensis is widespread over much of sub-Saharan Africa. It has been recorded from Guinea Bissau in the west, to Somalia, southern Sudan and Eritrea in the east, ranging south to most of South Africa. In the RSA, the species' distribution is linked with land use/land cover (Babiker Salata, 2012: 50).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,719,255 km^2.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 565); Benin (Capo-Chichi *et al.*, 2004: 163); Botswana (Archer, 1975; Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 565); Burkina Faso (Kangoyé *et al.*, 2012: 6026; 2015a: 619); Burundi; Cameroon; Central African Republic; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 565); Côte d'Ivoire; Equatorial Guinea; Eritrea; Ethiopia (Largen *et al.*, 1974; Yalden *et al.*, 1996; Lavrenchenko *et al.*, 2004b: 142); Gabon; Ghana (Decher and Fahr, 2007: 16 as *N.* cf. *capensis*); Guinea; Guinea-Bissau (Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001: 63); Kenya; Lesotho (Lynch, 1994: 195; Monadjem *et al.*, 2010d: 565); Liberia (Fahr, 2007a: 104); Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 565); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 565; Monadjem *et al.*, 2010c: 384); Namibia (Monadjem *et al.*, 2010d: 565); Nigeria; Sierra Leone; Somalia; South Africa (Seamark and Kearney, 2007; Monadjem *et al.*, 2010d: 566); Sudan; Swaziland (Monadjem *et al.*, 2010d: 567); Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 62); Zambia (Ansell, 1967; Ansell, 1969; Ansell, 1973; Monadjem *et al.*, 2010d: 567); Zimbabwe (Monadjem *et al.*, 2010d: 567).
Presence uncertain: Djibouti.

Bates *et al.* (2013: 339) reject the presence of *N. capensis* in the Republic of Congo as the data presented by Lavrenchenko *et al.* (2004b: 142) are actually from the DRC.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Fisk (1890: 97) reported on an albino specimen shot at Broadlands farm (Somerset West, South Africa), see also Allen (1939b) and Lucati and López-Baucells (2016: Suppl.).

Schoeman and Jacobs (2002: 157) mention the following parameters for 10 specimens from the Algeria Forestry Station (RSA): Fa: 35.9 ± 1.2 mm, Wing area: 87.6 ± 7.4 cm^2, Wing span: 24.0 ± 0.8 cm, Wing loading: 7.3 ± 1.0 N/m^2, and aspect ratio: 6.6 ± 0.4.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002).
ECHOLOCATION:
See Jacobs (1996), Taylor (1999b) and Taylor *et al.* (2005).

For the Algeria Forest Station (RSA), Schoeman and Jacobs (2002: 157) reported the call type to be a low duty echolocation dominated by frequency modulated calls, with a F_{peak}: 41.9 ± 1.4 kHz.

Schoeman and Waddington (2011: 291) mention a peak frequency of 39.4 ± 1.1 kHz and duration of 5.1 ± 1.2 msec for specimens from Durban, South Africa.

Taylor *et al.* (2013b: 17) recorded the following parameters for 7 calls from Soutpansberg, South Africa: F_{max}: 48.9 ± 6.15 (41.4 - 61.4) kHz, F_{min}: 37.6 ± 1.86 (34.7 - 40.9) kHz, F_{knee}: 40.0 ± 1.92 (37.0 - 42.4) kHz, F_{char}: 38.2 ± 1.68 (35.8 - 41.2) kHz, duration: 3.6 ± 1.05 (2.1 - 5.0) msec.
Linden *et al.* (2014: 40) reported the following parameters from the Soutpansberg (RSA): F_{min}: 34 - 39 kHz, F_{char}: 36 - 41 kHz, F_{knee}: 37 - 42 kHz, Slope: 254 - 509 OPS, duration: 2 - 5 msec.
At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 40 (37 - 42) kHz.

MOLECULAR BIOLOGY:
DNA -
Karyotype - Peterson and Nagorsen (1975), Rautenbach *et al.* (1993), Volleth *et al.* (2001), and Kearney *et al.* (2002) all reported 2*n* = 32, FN = 50, BA = 20. While Rautenbach *et al.*, 1993) and Kearney *et al.* (2002) reported a metacentric X chromosome, Peterson and Nagorsen (1975) reported a submetacentric X chromosome. Peterson and Nagorsen (1975) and Rautenbach *et al.* (1993) both reported an acrocentric Y chromosome. GTG-bands identified three Robertsonian fusion chromosomes (7/11, 8/9, 10,12), considered as distinguishing characters for the genus *Neoromicia* Kearney *et al.* (2002).
Protein / allozyme - See Morales *et al.* (1991) for results from seven specimens from South Africa.

HABITAT:
Sirami *et al.* (2013: 34) recorded in the Western Cape Province, South Africa that *N. capensis* activity was significantly and positively influenced by size of wetland, while habitats 100 m surrounding wetlands were also significantly and positively influenced by the water body. *N. capensis* favoured open habitats surrounding wetlands (Sirami *et al.*, 2013: 35).

Minnaar *et al.* (2014a: 522) found that moth consumption by *N. capensis* was low under unlit conditions (mean percentage volume ± SD: 5.91 ± 6.25 %), while moth consumption increased sixfold (35.42 ± 17.90 %) under artificially lit conditions despite a decrease in relative moth abundance. They conclude (p. 529) that the "introduction of artificial lights into previously unlit environments may allow syntonic bats [such as *N. capensis*, which are audible to eared moths] access to an historically unavailable resource in eared moths".

ROOST:
Taylor *et al.* (1999: 69) reported on a single roost found in the Durban area, which was located in the roof and spaces between wooden shutters and the outer wall of a school building in the Kloof suburb.

DIET:
From the Algeria Forestry Station (RSA), Schoeman and Jacobs (2002: 157) reported the following prey groups based on 89 faecal pellets from 10 bats (in volume percent): Hemiptera (46.6 ± 33.7), Diptera (37.6 ± 28.4), Coleoptera (12.5 ± 21.5), Ephemeroptera (2.3 ± 5.5), and unknown (1 ± 3.2).

PREDATORS:
Thomas and Jacobs (2013: 127) [referring to Avery *et al.* (2005)] indicate that *N. capensis* is more often taken by owls due to its clutter-edge foraging style, which combines slow flight with foraging at the edge of the vegetation.

Dean (1975: 218) reports on one specimen being found in a barn owl (*Tyto alba* pellet in South Africa (see also Avery *et al.*, 2005: 1054). Avery *et al.* (2003: 7) found *N. capensis* to be the best represented prey in barn owl pellets collected in the Free State during the summer.

Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850), the Pied crow (*Corvus albus* Statius Muller, 1776) and the Southern fiscal (*Lanius collaris* Linnaeus, 1766) as diurnal avian predators of "*Eptesicus capensis*".

POPULATION:
Structure and Density - In general, this is a locally common species (Jacobs *et al.*, 2008r; IUCN, 2009).
Trend - 2008 - Stable (Jacobs *et al.*, 2008r; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
van der Merwe and Rautenbach (1990: 540) reported that "*Eptesicus capensis*" commonly gives birth to twins and occasionally even triplets.

van der Merwe (1990: 202) examined five pregnant females and found three of them having two foetuses (one in each uterine horn), one had three foetuses (two in the right and one in the left uterine horn) and one even four foetuses

PARASITES:
Genov *et al.* (1992) reported the Nematode *Molinostrongylus omatus* (Mönnig, 1927) from an "*Eptesicus capensis*" specimen from South Africa.

Schaer *et al.* (2013a: 17416) report the presence of hemosporidian parasites of the genus *Polychromophilus* in one out of three investigated bats.

BACTERIA:
Dietrich *et al.* (2016a: 4) found *Rickettsia* in the faeces of bats from South Africa.

HEMIPTERA
Cimicidae: *Cacodmus villosus* (Stål, 1855) in the Transvaal, South Africa (Haeselbarth *et al.*, 1966: 11). Haeselbarth *et al.* (1966: 11) suggests that Bedford (1932)'s record of *Cimex pipistrelli* Jenyns from Cape Town most probably refers to *Cacodmus villosus* (Stål, 1855) (see also Reinhardt and Jacobs, 2006).

DIPTERA
Nycteribiidae: *Nycteribia schmidlii* Schiner, 1853 (Haeselbarth *et al.*, 1966: 108).

SIPHONAPTERA
Ischnopsyllidae: *Ischopsyllus emminus* Jordan and Rothschild, 1921 only known from the type series collected at Greenwood Park, Natal, South Africa (Haeselbarth *et al.*, 1966: 187). *Dampfia grahami* (Waterston, 1915) from Malawi (Beaucournu and Kock, 1996); *Araeopsylla scitula* (Rothschild, 1909) a single record from Kanye, Botswana (Haeselbarth *et al.*, 1966: 189).

Brennan *et al.* (2015: 145) found no antibodies against *Pseudogymnoascus destructans* (White-nose syndrome) in blood samples from bats from Botswana.

VIRUSES:
Bunyaviridae
Hantavirus
Tešíková *et al.* (2017: 279) found Hantavirus RNA in dried blood samples of *N. capensis* from the Dhati Walel National Park in Ethiopia.

Phlebovirus
Rift Valley Fever Virus (RVFV) - Oelofsen and Van der Ryst (1999) tested 28 individuals from four localities in the Free State Province, South Africa for RVFV antigen using an enzyme linked immunosorbet assay (ELISA), none tested positive.
Coronaviridae - Coronaviruses
Geldenhuys *et al.* (2013: 516) found one *N. capensis* specimen (out of 10) testing positive for CoV RNA in Taung, RSA. Ithete *et al.* (2013: 1697) reported on a new virus from a *N.* cf. *capensis* (incorrectly identified as *N.* cf. *zuluensis*) from South Africa, which is related to Middle East respiratory syndrome (MERS)-CoV. Corman *et al.* (2014) determined the full genome sequence of the MERS-related CoV identified in Ithete *et al.* (2013: 1697) and found that 85 % of its genome was identical to Middle East respiratory syndrome (MERS)-CoV.

Rhabdoviridae
Lyssavirus - Rabies related viruses
Rabies - Oelofsen and Smith (1993) tested 101 individuals from 5 localities using "Trousse Platelia Rage" ELISA kit (Diagnostic Pasteur), none tested positive for antibodies to rabies virus glycoprotein G. Oelofsen and Smith (1993) tested 145 individual brains, from 12 localities by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), none were tested positive.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burundi, Cameroon, Congo (Democratic Republic of the), Eritrea, Ethiopia, Ghana, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mozambique, Namibia, Nigeria, Senegal, Sierra Leone, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

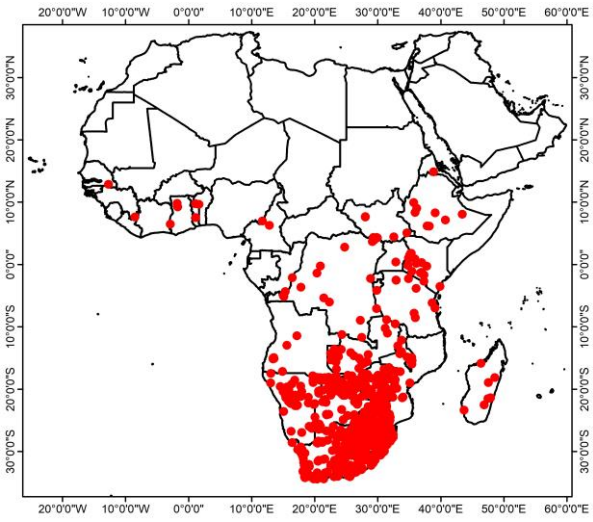

Figure 313. Distribution of *Neoromicia capensis*

Neoromicia flavescens (Seabra, 1900)

*1900. *Vesperugo (Vesperus) flavescens* Seabra, J. Sci. mat. phys. nat., ser. 2, 6: 23. Publication date: 1900. Type locality: Angola: Benguela district: East of Hanha: Galanga [12 04 S 15 09 E]. Cotype: MNHN ZM-MO-1900-536: ad? ♂, skull and alcoholic. Collected by: José Alberto de Oliveira Anchieta. Co- or topotype. Cotype: MNHN ZM-MO-1900-537: ad? ♂, skull and alcoholic. Collected by: José Alberto de Oliveira Anchieta. Co- or topotype. - Etymology: From the feminine scientific Latin adjective *flavèscens*, meaning "yellowish", referring to the colour of fur and membranes (see Lanza *et al.*, 2015: 401).
1900. *Vesperugo flavescens:* Bocage, Bull. Mus. natn. Hist. nat., Paris, 6: 164. (Name Combination)
1935. *Pipistrellus flavescens:* Monard, Arq. Mus. Bocage, 6: 31. (Name Combination)
1939. *Eptesicus flavescens:* G.M. Allen, Bull. Mus. comp. Zool., 83: 83. (Name Combination)
1953. *Eptesicus (Eptesicus) flavescens:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 76. (Name Combination)
1987. *[Attalepharca] flavescens:* Menu, Palaeovert., 17 (3): 126. (Name Combination)
1987. *Pipistrellus (Neoromicia) flavescens:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 282. (Name Combination)
1993. *Eptesicus (Neoromicia) flavescens:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 201. (Name Combination)
2006. *Neoromicia flavescens:* Van Cakenberghe, Kearney and Seamark, African Chiroptera Project, Pretoria, 132 - 133. (Name Combination, Current Combination)

TAXONOMY:
Mentioned in the genus *Pipistrellus* by Koopman (1994: 117). Thorn *et al.* (2007: 70 - 71) consider *flavescens* to be a *nomen dubium*, since its description does not agree with the two "syntypes" attributed to it. They indicate that one syntype (MNHN 1900-536) is actually a representative of *Pipistrellus* (*Afropipistrellus*) *grandidieri* Dobson, 1876. They also include *angolensis* as subspecies of *Pipistrellus* (*Afropipistrellus*) *grandidieri*.

COMMON NAMES:
Czech: netopýr galangánský. English: Yellow Pipistrelle Bat, Yellow Serotine. French: Sérotine jaune, Pipistrelle jaune. German: Gelbe Zwergfledermaus, Gelbe Pipistrelle. Italian: Pipistrèllo giallàstro.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of continuing problems with its taxonomy as well as absence of recent information on its extent of occurrence, status, ecological requirements and threats (Jacobs *et al.*, 2008s; IUCN, 2009).

Assessment Histroy -
2008 - DD ver 3.1 (2001) [assessed as *Pipistrellus flavescens*] (Jacobs *et al.*, 2008s; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004aa; IUCN, 2004). 1996 - DD [assessed as *Eptesicus flavescens*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are not known (Jacobs *et al.*, 2008s; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008s) [in IUCN (2009)] report that it has been recorded from the Kambai Forest Reserve in Tanzania by Cunneyworth (1996b). There is a need to clarify the taxonomic status of animals currently allocated to this species, and thereby better understand the distribution, natural history and potential threats to *Neoromicia flavescens*.

GENERAL DISTRIBUTION:
Neoromicia flavescens is a poorly known species appears to have been recorded from Angola (type locality at Galanga), Burundi, Cameroon, Malawi (including the Shire Highlands (Happold and Happold, 1997b: 81), Mozambique, Uganda (Kampala) and Somalia (Shonto Forest).

The distribution is uncertain and further studies are needed to clarify the species range.

Native: Angola; Burundi; Cameroon; Malawi (Happold and Happold, 1997b: 81); Mozambique; Somalia; Uganda.

POPULATION:
Structure and Density - There are few details available on the population status of this species (Jacobs *et al.*, 2008s; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008s; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Ethiopia, Malawi.

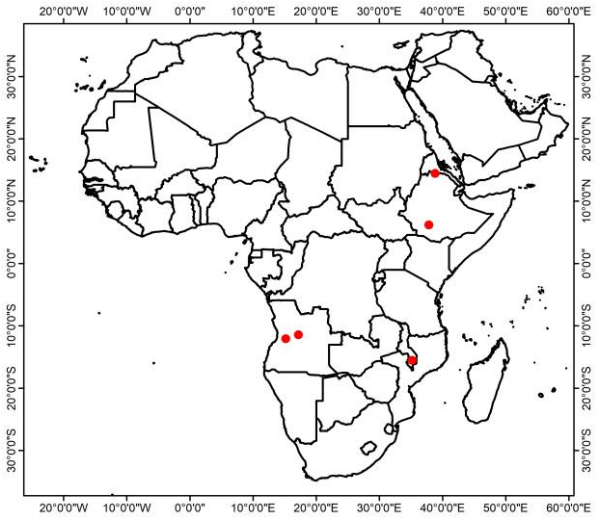

Figure 314. Distribution of *Neoromicia flavescens*

Neoromicia guineensis (Bocage, 1889)

*1889. *Vesperus guineensis* Bocage, J. Sci. mat. phys. nat., ser. 2, 1 (1): 6. Publication date: March 1889. Type locality: Guinea-Bissau: Bissau (island) [11 52 N 15 39 W] [Goto Description]. - Comments: Bocage (1889a: 7) mentions 2 ♀♀; sent from Bissau in 1879 by Mr. Rodrigo da Costa. - Etymology: From the feminine scientific Latin *guineènsis*, meaning "inhabitnig Guinea", referring to the provenance of the type specimen (Guinea-Bissau) (see Lanza *et al.*, 2015: 403).

1897. *Vesperugo (Vesperus) guineensis:* Trouessart, Catalogus Mammalium tam viventium quam fossilium, fasc. I: 110. (Name Combination)

1916. *Eptesicus rectitragus* Wettstein, Anz. kais. Akad. Wiss., Wien, 53: 191. Publication date: 1916. Type locality: Sudan: S Kordofan, N edge of Nuba Mountains: Dilling [12 02 N 29 39 E, 660 m] [Goto Description]. Holotype: NMW 8411: juv ♂. Collected by: Otto Ritter von Westersheim Wettstein; collection date: 20 March 1914; original number: AM 96/2. - Comments: Wettstein (1916: 189) mentions Prof. Dr. Franz Werner as collector.

1923. *Eptesicus guineensis:* de Beaux, Atti Soc. ital. Sci. nat., 62: 98. (Name Combination)

1975. *Eptesicus (Eptesicus) guineensis:* Koopman, Bull. Am. Mus. Nat. Hist., 154 (4): 406. (Name Combination)

1987. *Pipistrellus (Neoromicia) guineensis:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 282. (Name Combination)

1993. *Eptesicus (Neoromicia) guineensis:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 202. (Name Combination)

1994. *P[ipistrellus (Neoromicia)] g[uineensis] guineensis:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 117. (Name Combination)

1994. *P[ipistrellus (Neoromicia)] g[uineensis] rectitragus:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 117. (Name Combination)

1995. *Pipistrellus guineensis:* Koopman, Kofron and Chapman, Am. Mus. Novit., 3148: 11. (Name Combination)

2006. *Neoromicia guineensis:* Van Cakenberghe, Kearney and Seamark, African Chiroptera Project, Pretoria, 133 - 134. (Name Combination, Current Combination)

2011. *N[eoromicia] guineenesis:* Benda, Al-Jumaily, Reiter and Nasher, Hystrix, It. J. Mamm., (n.s.) 22 (1): 41. Publication date: July 2011. (Lapsus)

? *Eptesicus guineensis rectitragus:* (Name Combination)

? *Neoromicia guineensis guineensis:* (Name Combination)

? *Neoromicia guineensis rectitragus:* (Name Combination)

TAXONOMY:
This species is called *pusillus* by Hayman and Hill (1971); but see Koopman (1975: 406, 407). Mentioned in the genus *Pipistrellus* by Koopman (1994: 117).

COMMON NAMES:
Czech: netopýr savanový. English: Guinean Pipistrelle Bat, Tiny Serotine, Guinea Serotine. French: Sérotine de Guinée, Sérotine minuscule, Pipistrelle de Guinée. German: Guinea-Zwergfledermaus, Guinea-Pipistrelle. Italian: Pipistrèllo guineàno.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Fahr, 2008I; IUCN, 2009).

Assessment Histroy -
2008 - LC ver 3.1 (2001) [assessed as *Pipistrellus guineensis*] (Fahr, 2008I; Bocage, 1889c). 2004 - LC ver 3.1 (2001) (Fahr, 2004g; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Fahr, 2008I; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008I) [in IUCN (2009)] reports that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas.

GENERAL DISTRIBUTION:
Neoromicia guineensis is widely distributed in West and Central Africa, ranging into East Africa. Western distribution ranges from Senegal and Gambia to Ghana, Burkina Faso, and Benin. Recorded as far east as the border between Ethiopia and Somalia, and in Yemen. The southernmost records are from Congo and the DRC (close to the border areas with Angola).

Specimens reported from Tanzania might pertain to *N. somalica*, see Koopman (1994: 117)).

Native: Benin (Capo-Chichi *et al.*, 2004: 163); Burkina Faso (Kock *et al.*, 2002: 89; Kangoyé *et al.*, 2015a: 620); Cameroon; Central African Republic; Chad (Kock *et al.*, 2002: 89); Congo (The Democratic Republic of the); Côte d'Ivoire; Ethiopia; Gambia (Kock *et al.*, 2002: 89); Ghana; Guinea; Guinea-Bissau (Bocage, 1889a; Seabra, 1900a; Monard, 1939; Veiga-Ferreira, 1949;; Rainho and Ranco, 2001; Kock *et al.*, 2002: 89); Liberia (Monadjem and Fahr, 2007: 47); Nigeria; Senegal; Sudan; Togo; Uganda; Yemen (Entwistle and Corp, 1997: 40).

Bates *et al.* (2013: 339) rejected the presence of *N. guineensis* in the Republic of Congo as Van Cakenberghe and Happold (2013k: 625) only mark a locality on the map without providing further data.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Benda *et al.* (2011b: 41).
Brain - Amrein *et al.* (2007) from specimens collected from Bénin reported that proliferating cells, detected with Ki-67 and MCM2, in the subgranular layer of the dentate gyrus was found to be absent. Amrein *et al.* (2007) also reported moderate to ample proliferating cells (Ki-67 positive cells) and migrating young neurons (DCX positive cells) in the rostral migratory stream.

SEXUAL DIMORPHISM:
In Burkina Faso, Kangoyé *et al.* (2015a: 620) found that females have higher average values than males for both body (except Ear and 3ph2) and cranial measurements.

POPULATION:
Structure and Density - This species is relatively common (Fahr, 2008I; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, 2008I; IUCN, 2009).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Egypt, Ethiopia, Ghana, Guinea, Kenya, Nigeria, Senegal, South Sudan, Sudan, Tanzania, The Gambia.

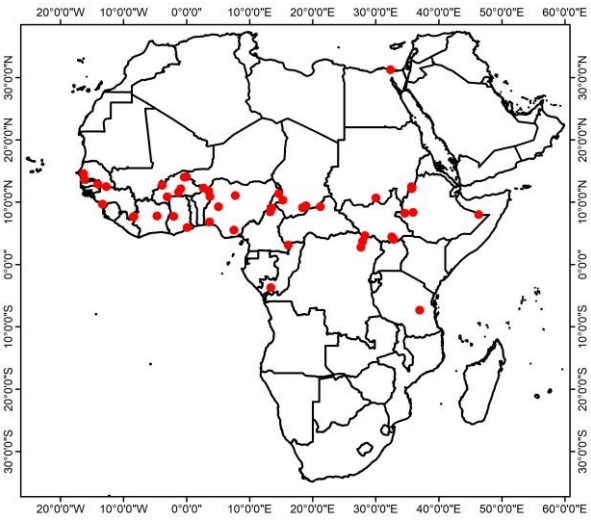

Figure 315. Distribution of *Neoromicia guineensis*

Neoromicia helios (Heller, 1912)

*1912. *Pipistrellus helios* Heller, Smiths. Misc. Coll., 60 (12): 3. Publication date: 4 November 1912. Type locality: Kenya: 30 mi (48 km) S Mount Marsabit: Merelle Water [01 23 S 37 44 E] [Goto Description]. Holotype: USNM 181813: ad ♂, skin and skull. Collected by: Edmund Heller; collection date: 22 July 1911; original number: 3065. - Etymology: From the masculine Greek substantive "*ἥλιος*" (hèlios), meaning "sun", referring to the ochraceous-buff colour of the dorsal fur (see Lanza *et al.*, 2015: 407).
1951. *Pipiestrellus helios:* Watson, Uganda J., 15 (1): xx. - Comments: Lapsus. (Lapsus)
1968. *Pipistrellus nanus helios:* Funaioli and Lanza, Mon. Zool. ital., (N.S.) 2 (Suppl.): 199. (Name Combination)
1987. *Pipistrellus (Hypsugo) helios:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 281. (Name Combination)
1994. *P[ipistrellus (Pipistrellus)] a[fricanus] helios:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 113. (Name Combination)
2002. *Hypsugo helios:* Kruskop, Plecotus et al., pars spec.: 21. (Name Combination)
2006. *Neoromicia helios:* Van Cakenberghe, Kearney and Seamark, African Chiroptera Project, Pretoria, 134. (Name Combination, Current Combination)

TAXONOMY:
Hayman and Hill (1971) indicated that the shape of the baculum supports the separation of *helios* from *Pipistrellus nanus*, which is confirmed by Kock (pers. Comm.). See discussion in Simmons (2005).

COMMON NAMES:
Czech: netopýr slunečný. English: Samburu Pipistrelle Bat, Helios Pipistrelle Bat, Heller's Pipistrelle Bat, Heller's Pipistrelle. French: Pipistrelle soleil. German: Samburu-Zwergfledermaus, Samburu-Pipistrelle. Italian: Pipistrèllo di Hèller.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Jacobs *et al.*, 2008t; IUCN, 2009).

Assessment Histroy -
2008 - DD ver 3.1 (2001) [assessed as *Pipistrellus helios*] (Jacobs *et al.*, 2008t; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004z; IUCN, 2004).

MAJOR THREATS:
The threats to this species are not known (Jacobs *et al.*, 2008t; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008t) [in IUCN (2009)] report that it is not known if the species is present in any protected area. There is a need for studies into the distribution, abundance, natural history and possible threats to this species.

GENERAL DISTRIBUTION:
Neoromicia helios is an East African species, which has been recorded from Djibouti, southern Somalia, southern Sudan, northeastern Uganda, Kenya and northern Tanzania. It may be more widely distributed (Peterson, 1987; Simmons, 2005).

Native: Djibouti; Kenya; Somalia; Sudan; Tanzania; Uganda.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

HABITS:
Keeley and Keeley (2004: 116) [referring to O'Shea (1980) and Happold and Happold (1996)] mention that male "*Pipistrellus nanus*" roosting in palm-thatched roofs show territoriality and aggressive competition for spacious roosts, whereas males in populations roosting in banana leaves appear not to defend territories aggressively, and indicate that this difference might be based on the availability of preferred roosts. However, the more likely explanation being that these differences are due to these two groups belonging to different species, as the thatched roof inhabiting form is most likely *N. helios*.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Jacobs *et al.*, 2008t; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008t; IUCN, 2009).

PARASITES:
Nycteribiidae: *Basilia ansifera* Theodor, 1956 - mainly a West African species reaching Lake Victoria in the east and Lake Nyasa in the south - nearly all localities lie between 15° latitude north and south (Haeselbarth *et al.*, 1966: 110).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Ghana, Kenya, Somalia, South Africa, South Sudan, Tanzania, Uganda.

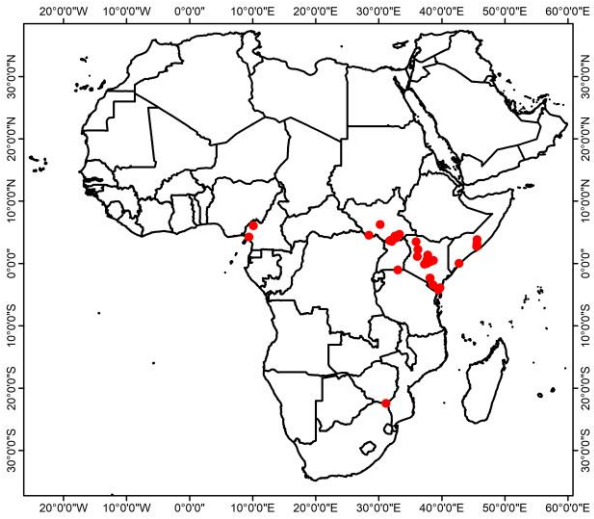

Figure 316. Distribution of *Neoromicia helios*

Neoromicia humbloti (A. Milne-Edwards, 1881)

*1881. *Vesperus Humbloti* A. Milne-Edwards, C. R. séances Acad. Sci., Paris, 91: 1035. Publication date: 1881. Type locality: Madagascar: "Madagascar" [Goto Description]. Syntype: MNHN ZM-MO-1986-1074: juv, alcoholic (skull not removed). 1 ad ♀, 2 ad ♂♂, 1 ad? ♂, 2 imm ♀♀, 3 imm ♂♂. Syntype: MNHN ZM-MO-1986-1075: juv, alcoholic (skull not removed). Syntype: MNHN ZM-MO-1986-1076: juv, alcoholic (skull not removed). Syntype: MNHN ZM-MO-1986-1077. Syntype: MNHN ZM-MO-1986-1078. Syntype: MNHN ZM-MO-1986-1079. Syntype: MNHN ZM-MO-1986-1080. Syntype: MNHN ZM-MO-1986-1081. Syntype: MNHN ZM-MO-1986-1082. - Comments: The label on the type specimen mentions: "between Foulepoint and Lake Alaoutr".
1897. *Vesperugo (Vesperus) humbloti:* Trouessart, Catalogus Mammalium tam viventium quam fossilium, fasc. I: 110. (Name Combination)
1939. *Eptesicus humbloti:* G.M. Allen, Bull. Mus. comp. Zool., 83: 85. (Name Combination)
1994. *P[ipistrellus (Neoromicia] s[omalicus] humbloti:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 117. (Name Combination)
2006. *E[ptesicus] humblotii:* Hoofer, Van den Bussche and Horácek, J. Mamm., 87 (5): 991. Publication date: October 2006. (Lapsus)
2006. *Neoromicia humbloti:* Van Cakenberghe, Kearney and Seamark, African Chiroptera Project, Pretoria, 135. (Name Combination, Current Combination)
2012. *Vespertilio humbloti:* Goodman, Taylor, Ratrimomanarivo and Hoofer, Zootaxa, 25: 25. (Name Combination)

TAXONOMY:
The status of *humbloti* can not be validated (see Peterson *et al.*, 1995: 104). It is sometimes mentioned as synonym of *somalicus* Thomas, 1901. However, if this is correctly assigned to that form, then *humbloti* A. Milne-Edwards, 1881 should be the valid name for what is now known as *Neoromicia somalica*.
We consider *humbloti* to be an island species, allied to *N. somalica* Thomas, 1901, but differing from it on specific level. The relation with *N. malagasyensis* Peterson, Eger and Mitchell, 1975 still needs to be evaluated.

CONSERVATION STATUS:
Global - Not assessed (IUCN, 2004).

GENERAL DISTRIBUTION:
Madagascar.

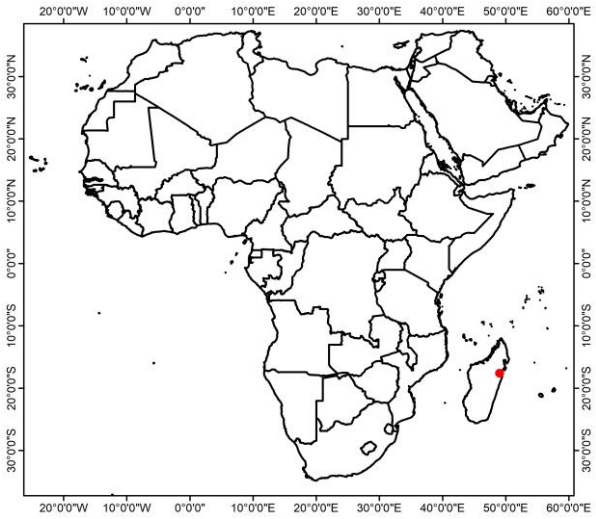

Figure 317. Distribution of *Neoromicia humbloti*

DISTRIBUTION BASED ON VOUCHER SPECIMENS: Madagascar.

Neoromicia isabella Decher, Hutterer and Monadjem, 2016

2013. *Neoromicia cf. rendalli:* Monadjem, Richards, Taylor and Stoffberg, Zool. J. Linn. Soc., 167 (1): 194. Publication date: 18 January 2013. (Name Combination)

*2016. *Neoromicia isabella* Decher, Hutterer and Monadjem, in: Decher et al., Acta Chiropt., 17 (2): 260, 69867, figs 4,6,7B-C, 8 (for 2015). Publication date: 27 January 2016. Type locality: Guinea: Macenta Province: Simandou Range: Foko Confluence [08 29 48.62 N 08 54 48.22 W, 765 m] [Goto Description]. Holotype: ZFMK 2008.0292: ad ♂, skull and alcoholic. Collected by: Jan Decher; collection date: 7 March 2008; original number: JD 650. COI sequence GenBank nr. KT598187 (see Decher *et al.*, 2016: 267). Paratype: ZFMK 2008.0291: ad ♀, alcoholic (skull not removed). Collected by: Jan Decher; collection date: 7 March 2008; original number: JD 647. - Etymology: "The species epithet refers (as a noun in apposition) to the 'Isabella' colouration (sensu Ridgeway, 1912) of the dorsal fur of this bat, and also recalls the name of Jan Decher's daughter Isabelle." (see Decher *et al.*, 2016: 267).

COMMON NAMES:
English: Isabelline White-winged Serotine

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Guinea, Liberia.

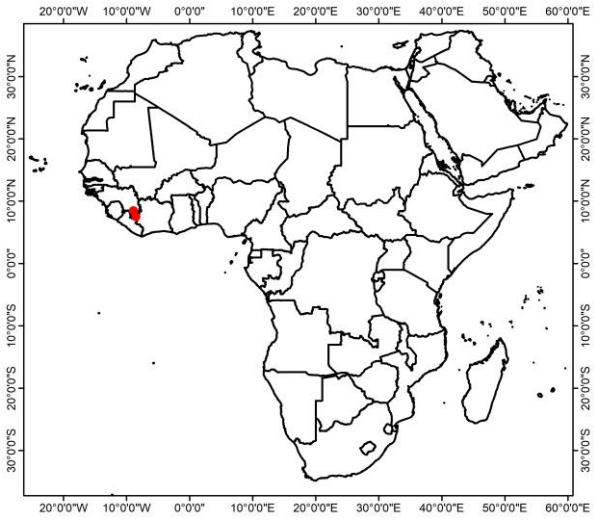

Figure 318. Distribution of *Neoromicia isabella*

Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995)

*1995. *Eptesicus somalicus malagasyensis* Peterson, Eger and Mitchell, Faune de Madagascar, Chiroptères, 84: 100, fig. 49. Type locality: Madagascar: Sakaraha sous-prefecture: 220

km NE Tuléar [=Toleara]: Ilakaka, East of [22 41 S 45 13 E] [Goto Description]. Holotype: ROM 42713: ad ♀, skin and skull. Collected by: Randolph L. Peterson, John George Williams and Robert M. Glen; collection date: 13 May 1967. See Peterson *et al.* (1995: 100), Goodman and Ranivo (2004: 434). - Comments: Bates *et al.* (2006: 313) situated the type locality at Maninday [22 47 S 44 48 E].

2004. *N[eoromicia] malagasyensis:* Goodman and Ranivo, Mamm. biol., 69 (6): 436. (Name Combination)

2004. *Neoromicia somalicus malagasyensis:* Goodman and Ranivo, Mamm. biol., 69 (6): 434. (Name Combination)

2012. *Neoromicia cf. malagasyensis:* Goodman, Taylor, Ratrimomanarivo and Hoofer, Zootaxa, 25: 25. (Name Combination)

? *Eptesicus malagasyensis:* (Name Combination)

? *Neoromicia malagasyensis:* (Name Combination, Current Combination)

TAXONOMY:
Only known from a very limited number of specimens. Originally considered a subspecies of *somalicus* Thomas, 1901 by Peterson *et al.* (1995), but see Goodman and Ranivo (2004: 438), who elevate it to species rank, which is supported by Bates *et al.* (2006). However, they did not discuss the relation of this form with *humbloti* A. Milne-Edwards, 1881.

COMMON NAMES:
English: Isalo Serotine. French: Sérotine de Sakahara. German: Madagaskar-Zwergfledermaus, Madagaskar Pipistrelle.

CONSERVATION STATUS:
Global - This species is listed as Endangered (EN B1ab(iii) ver 3.1 (2001)) because it has a range of only 2,000 km^2, and is currently known only from the area around the Isalo Massif where it is presumably at risk of habitat loss (Andriafidison *et al.*, 2008c; IUCN, 2009).

Assessment History -
2008 - EN B1ab(iii) ver 3.1 (2001) [as *Eptesicus malagasyensis*] (Andriafidison *et al.*, 2008c; IUCN, 2009).

MAJOR THREATS:
The threats to this species are not known, but its habitat is presumably undergoing some decline. It has yet to be recorded from synanthropic settings and probably relies on natural roost sites in trees and other vegetation (Andriafidison *et al.*, 2008c; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008c) [in IUCN (2009)] report that this species is present in Parc National d'Isalo. Future conservation measures should focus on roosting sites, but further research is needed to investigate the roosting and foraging habitats of this species.

GENERAL DISTRIBUTION:
Neoromicia malagasyensis is endemic to Madagascar, where it is restricted to an area of 1,905 km^2 around the Isalo Massif (Bates *et al.*, 2006). It has been recorded between 450 and 700 m above sea level (Goodman and Ranivo, 2004) and is currently known from four localities (Bates *et al.*, 2006).

Native: Madagascar (Peterson *et al.*, 1995; Goodman and Ranivo, 2004: 438; Bates *et al.*, 2006).

ECHOLOCATION:
Kofoky *et al.* (2009: 382) reported the calls of six individuals which consisted of FM/QCF components produced at low duty cycle, with maximum energy in the fundamenetal at about 45.8 kHz.

PARASITES:
Ramasindrazana *et al.* (2016: 7) report the presence of an unnamed filarial Nematode.

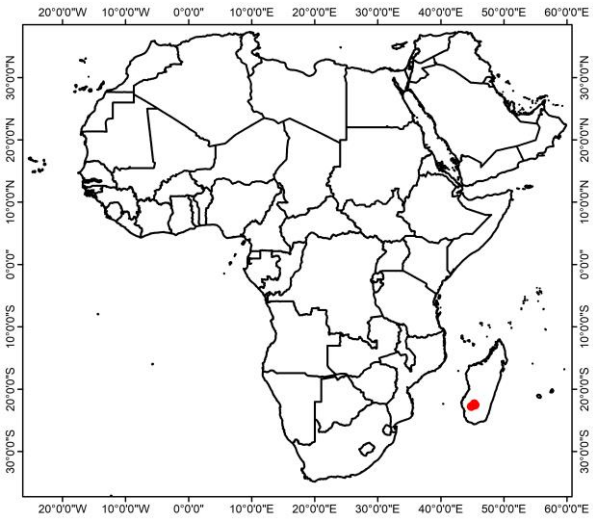

Figure 319. Distribution of *Neoromicia malagasyensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Neoromicia matroka (Thomas and Schwann, 1905)

*1905. *Vespertilio matroka* Thomas and Schwann, Proc. zool. Soc. Lond., 1905, I, II: 258. Publication date: 10 August 1905. Type locality: Madagascar: Betsileo: Ambositra [20 31 S 47 15 E, 1 100 m]. Holotype: BMNH 1897.9.1.32: ad ♂, skull and alcoholic. Collected by: Dr. Charles Immanuel Forsyth Major; collection date: 2 February 1875; original number: 177. See Peterson *et al.* (1995: 104).
1939. *Eptesicus matroka:* G.M. Allen, Bull. Mus. comp. Zool., 83: 86. (Name Combination)
1987. *Nycterikaupius matroka:* Menu, Palaeovert., 17 (3): 109. Publication date: 15 November 1987. (Name Combination, Lapsus)
2006. *Neoromicia matroka:* Van Cakenberghe, Kearney and Seamark, African Chiroptera Project, Pretoria, 136. (Name Combination, Current Combination)

TAXONOMY:
Considered a synonym of *capensis* by Hayman and Hill (1971) and Koopman (1993a: 201), but see Peterson *et al.* (1995: 104), Russ *et al.* (2001), Simmons (2005: 456) who consider it a valid species.
Simmons (2005: 456) placed *matroka* within the genus and subgenus *Eptesicus*.

COMMON NAMES:
Czech: netopýr malgašský. English: Madagascar serotine, Matroka Bat, Malagasy Serotine. French: Sérotine de Madagascar. German: Matroka-Zwergfledermaus, Matroka-Pipistrelle.

CONSERVATION STATUS:
Global - This species is listed as Least Concern (LC ver 3.1 (2001)) because there is no evidence of a severe decline in habitat or population size and it occurs across a wide range of habitats which includes built-up areas (Andriafidison *et al.*, 2008r; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [as *Eptesicus matroka*] (Andriafidison *et al.*, 2008r; IUCN, 2009). 2000 - Data Deficient.

MAJOR THREATS:
There are no known major threats to this species (Andriafidison *et al.*, 2008r; IUCN, 2009).

CONSERVATION ACTIONS:
Andriafidison *et al.* (2008r) [in IUCN (2009)] report that this species has yet to be recorded from inside protected areas, but is known to use agricultural land adjacent to Parc National de Mantadia (Randrianandriananina *et al.*, 2006).

GENERAL DISTRIBUTION:
Neoromicia matroka is endemic to Madagascar and appears to be largely restricted to an area in the eastern highlands between 970 and 1,300 m above sea level (Bates *et al.*, 2006).

Native: Madagascar (Peterson *et al.*, 1995: 105; Bates *et al.*, 2006; Randrianandriananina *et al.*, 2006).

GEOGRAPHIC VARIATION:
Goodman *et al.* (2012b: 3) found geographical variation in the cranio-dental measurements, which lead them to divide this species into geographical units or Operational Taxonomic Units (OTUs): OTU 1 - the Central Highlands above 1,000 m, which includes the type locality near Ambositra (Thomas and Schwann, 1905b: 258); OTU 2 - areas in central western Madagascar less than 900 m; OTU 3 - eastern lowlands from sea-level to 200 m; and OTU 4 - eastern lowlands from 201 - 900 m.

DETAILED MORPHOLOGY:
Baculum - See Bates *et al.* (2006).

HABITAT:
It is found alongside humid forests and has also been recorded from open anthropogenic agricultural and grassland areas (Bates *et al.*, 2006; Randrianandriananina *et al.*, 2006).

ROOST:
It has been netted emerging from buildings (Bates *et al.*, 2006).

DIET:
On Madagascar, Rakotondramanana *et al.* (2015: 74) report the following volume percentages for: Coleoptera: 49.7 ± 22.44; Hymenoptera: 18.7 ± 17.57; Lepidoptera: 16.3 ± 16.34; Trichoptera: 9.2 ± 8.74; Homoptera: 5.5 ± 6.93; Arachnida: 0,2 ± 0,80. The frequencies for these groups were: Coleoptera: 97.6 ± 6.63; Hymenoptera: 64.0 ± 37.86; Lepidoptera: 55.2 ± 42.54, Trichoptera: 48.0 ± 40.82; Homoptera: 25.6 ± 28.0, and Arachnida: 0.8 ± 4.00. Rasoanoro *et al.* (2015: 64) mention the following volume percentages: Coleoptera: 53.4, Diptera: 11.0, Hemiptera: 17.6, and Hymenoptera: 18.0.

POPULATION:
Structure and Density - The population and local

abundance of this species are not known, but it is thought to be locally common (Bates *et al.*, 2006). Trend - 2008 - Unknown (Andriafidison *et al.*, 2008r; IUCN, 2009).

PARASITES:
Zhu *et al.* (2014: 2160) report the presence of the flea *Dampfia grahami grahami* (Waterston, 1915) (Ischnopsyllidae), which is a carrier of *Bartonella* bacteria. This flea was also reported by Hastriter (2016: 16).

Ramasindrazana *et al.* (2016: 6) report the presence of an unnamed filariod in this bat species.

Richard (1966: 413) reported the Trematode *Plagiorchis (Plagiochis) vespertilionis* (Müller, 1784) Braun, 1900.

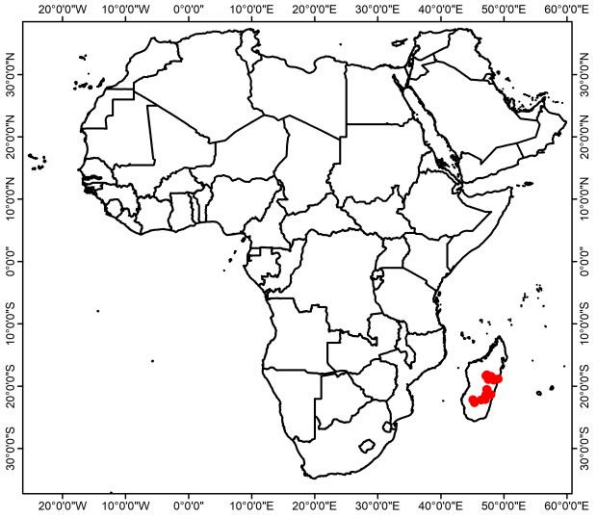

Figure 320. Distribution of *Neoromicia matroka*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Neoromicia nana (Peters, 1852)

1842. *Vespertilio Pipistrellus varietas africana* Rüppell, Mus. Senckenberg., 3 (2): 156. Type locality: Ethiopia: Shoa province: Shoa province [ca. 09 00 N 39 00 E] [Goto Description]. Lectotype: SMF 4306: ad ♀, skin and skull. Collected by: Wilhem Peter Edward Simon Rüppell; collection date: 1842. Old number II.N.9*.a.

*1852. *Vespertilio nanus* Peters, Naturwissenschaftliche Reise nach Mossambique, Zoologie, Säugethiere, 63, pl. 16, fig. 2. Publication date: 1852. Type locality: Mozambique: Inhambane [24 00 S 35 28 E] [Goto Description]. Syntype: BMNH 1907.1.1.421: ad, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters. See Turni and Kock (2008). Syntype: BMNH 1907.1.1.422: ad ♀, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters. Syntype: BMNH 1907.1.4.421: ad, skin and skull. Collected by: Prof. Wilhelm Carl Hartwig Peters. Syntype: BMNH 1907.1.4.422: ad ♀, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters. Syntype: NMW 19644: ad ♂, alcoholic (skull not removed). Collected by: Prof. Wilhelm Carl Hartwig Peters. See Turni and Kock (2008). Syntype: ZMB 588a: ad ♀, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008). Syntype: ZMB 588b: ad ♀, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008). Syntype: ZMB 588c: ad ♂, skull and alcoholic. Collected by: Prof. Wilhelm Carl Hartwig Peters; collection date: between 1843 and 1847. See Turni and Kock (2008). - Etymology: From the Latin "*nanus*" meaning dwarf (see Lausen and Barclay, 2005: 5).

1855. *Vespertilio (Vesperugo) nanus:* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 5: 746. (Name Combination)

1860. *Hypsugo nanus:* Kolenati, Monographie der Europäischen Chiroptern, 18. (Name Combination)

1870. *Vesperugo pusillulus* Peters, J. Sci. mat. phys. nat., ser. 1, 3 (10): 124. Publication date: December 1870. Type locality: Angola: Cabinda: Loango [ca. 04 52 S 12 52 E] [Goto Description]. Syntype: ZMB 3975: ♂, alcoholic (skull missing). Collected by: José Vicente Barboza du Bocage. See Turni and Kock (2008). - Comments: The type locality (Loango) was originally located in Angola, but see Kock et al. (in prep).

1875. *Vesperugo nanus:* Dobson, Proc. zool. Soc. Lond., 1875, III: 472. (Name Combination)

1878. *Vesperugo (Vesperugo) nanus:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 237. (Name Combination)

1888. *Vesperugo stampflii* Jentink, Notes Leyden Mus., 10: 54 (for 1887). Publication date: April 1888. Type locality: Liberia: Farmington River [06 08 N 10 22 W] [Goto Description]. Holotype: RMNH MAM.17836: ad ♂, skull only. Collected by: F.X. Stampfli; collection date: 1 July 1887.

1889. *Vesperugo pagenstecheri* Noack, Zool. Jb. Syst., 4: 220, pl. 2, fig. 3, pl. 5, fig. 64 - 65.

Publication date: 28 February 1889. Type locality: Congo (Democratic Republic of the): Bas Congo province: near mouth of Congo river, Banana Creek: Netonna [05 58 S 12 27 E] [Goto Description]. Lectotype: SMF 2524: ad ♀, skull only. Collected by: P. Hesse; collection date: 1887. See Mertens (1925: 22). Paralectotype: SMF 2525: ad ♀, skull only. Collected by: P. Hesse. See Mertens (1925: 22). Noack (1889: 220) refers to two female specimens, both in alcohol and collected by P. Hesse.

1889. *Vesperus pusillus* Noack, Zool. Jb. Syst., 4: 216, pl. 2, fig. 3, pl. 5, fig. 60, 61. Publication date: 28 February 1889. Type locality: Congo (Democratic Republic of the): Congo River: Boma [05 50 S 13 03 E, 30 m] [Goto Description]. Holotype: SMF 2523: juv ♂, skull only. Collected by: P. Hesse; collection date: 1887.

1897. *Vesperugo (Vesperugo) Pagenstecheri:* Trouessart, Catalogus Mammalium tam viventium quam fossilium, fasc. I: 112.

1900. *Pipistrellus minusculus* Miller, Proc. Wash. Acad. Sci., 2: 647, fig. 43. Publication date: 28 December 1900. Type locality: Liberia: Mount Coffee [06 34 N 10 33 W] [Goto Description]. Holotype: USNM 84500: ad ♀, skull and alcoholic. Collected by: Orator Fuller Cook Jr. Collection date: May 1894. Catalogued: 11 April 1898.

1900. *Pipistrellus stampflii:* Miller, Proc. Wash. Acad. Sci., 2: 647. Publication date: 28 December 1900.

1901. *Vespertilio (Pipistrellus) nanus:* Sclater, Mammals of South Africa, 123, 126. (Name Combination)

1903. *Pipistrellus nanus:* Cabrera, Mem. Soc. espan. Hist. nat., 1: 22. (Name Combination)

1906. *Vespertilio (Vesperugo) stampflii:* Johnston, Liberia, Volume II: 692. (Name Combination)

1907. *Myotis nanus:* Matschie, Liste der von Herrn V.B. Schillings gesammelten Säugetier-Arten, 534. (Name Combination)

1908. *Vespertilio (Glischropus) nanus:* Lönnberg, Sjöstedts Kilimanjaro-Meru Expedition, 2: 11. (Name Combination)

1911. *Pipistrellus culex* Thomas, Ann. Mag. nat. Hist., ser. 8, 7 (41): 458. Publication date: 29 April 1911. Type locality: Nigeria: Northern Nigeria, Bauchi plateau: Kabwir [09 24 N 09 34 E, 2 700 ft] [Goto Description]. Holotype: BMNH 1911.3.24.4: ad ♀, skin and skull. Collected by: Rév. G.J. Fox; collection date: 15 May 1910; original number: 100.

1913. *Pipistrellus nanus australis* Roberts, Ann. Transv. Mus., 4: 67. Publication date: 20 October 1913. Type locality: South Africa: Transkei, Western Pondoland: Port St. Johns district: "Port St. Johns district" [ca. 31 27 S 29 33 E, 200 ft]. Holotype: TM 1076: ad ♀, skin and skull. Collected by: H.H. Swinny; collection date: 20 April 1908. - Comments: Replaced by *P. africanus meesteri* by Kock (2001a: 129).

1917. *Pipistrellus abaensis* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 442. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Aba [03 53 N 30 17 E] [Goto Description]. Holotype: AMNH 48979: ad ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 18 December 1910; original number: 1825. Topotype: AMNH 48980: ♀, skin only. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 48981: ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition.

1925. *Pipistrellus pagenstecheri:* Mertens, Senckenb. biol., 7 (1/2): 22.

1926. *Pipistrellus fouriei* Thomas, Proc. zool. Soc. Lond., 1926, I: 288. Publication date: 29 April 1926. Type locality: Namibia: NW Ovamboland: 32 mi NW of Rehoboth Mission Station: Ukualukasi [17 32 S 14 37 E, 3 400 ft] [Goto Description]. Holotype: BMNH 1925.12.4.20: ad ♀, skin and skull. Collected by: Captain Guy Chester Shortridge; collection date: 7 October 1924; original number: 1390.

1934. *Neoromicia pusilla pusilla:* Shortridge, Mammals of South West Africa, 59.

1939. *Pipistrellus nanus nanus:* G.M. Allen, Bull. Mus. comp. Zool., 83: 95. (Name Combination)

1951. *Eptesicops fouriei:* Roberts, Mammals of South Africa, 84.

1951. *Pipistrellus (Pipistrellus) nanus nanus:* Swynnerton and Hayman, J. East Afr. Nat. Hist. Soc., 20 (6-7) (90): 293 (for 1950). (Name Combination)

1953. *Pipistrellus (Pipistrellus) culex culex:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 78.

1953. *Pipistrellus (Pipistrellus) culex fouriei:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 78.

1953. *Pipistrellus (Pipistrellus) culex:* Ellerman, Morrison-Scott and Hayman, Southern African

mammals 1758 to 1951, 78.

1953. *Pipistrellus (Pipistrellus) nanus:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 78. (Name Combination)
1956. *Pipistrellus culex culex:* Eisentraut, Zool. Jb. Syst., 84 (3): 530.
1957. *[Pipistrellus] stampfli:* Aellen, Rev. suisse Zool., 64 (6): 202.
1959. *Pipistrellus nanus stampflii:* Booth, J. West Afr. Sci. Ass., 5 (1): 29. (Name Combination)
1968. *Pipistrellus (Pipistrellus) nanus fouriei:* Smithers, A check list and atlas of the mammals of Botswana (Africa), ???. (Name Combination)
1978. *Pipistrellus nanus fouriei:* Ansell, Mammals of Zambia, 24. (Name Combination)
1987. *Pipistrellus (Hypsugo) nanus:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 281. (Name Combination)
1988. *Pipistrellus (Hypsugo) africanus africanus:* Ansell and Dowsett, Mammals of Malawi, 41.
1988. *Pipistrellus (Hypsugo) africanus nanus:* Ansell and Dowsett, Mammals of Malawi, 41. (Name Combination)
1989. *Pipistrellus africanus:* Koopman, Am. Mus. Novit., 2946: 7.
1994. *P[ipistrellus (Pipistrellus)] a[fricanus] africanus:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 113. (Name Combination)
1994. *P[ipistrellus (Pipistrellus)] a[fricanus] culex:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 113.
1994. *P[ipistrellus (Pipistrellus)] a[fricanus] fouriei:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 113.
1994. *P[ipistrellus (Pipistrellus)] a[fricanus] nanus:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 113. (Name Combination)
1994. *P[ipistrellus (Pipistrellus)] a[fricanus] stampflii:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 113.
1994. *P[ipistrellus (Pipistrellus)] africanus:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 112. (Name Combination)
1998. *Pipistrellus (Hypsugo) nanus nanus:* Grubb, Jones, Davies, Edberg, Starin and Hill, Mammals of Ghana, Sierra Leone and The Gambia, 85. (Name Combination)
1998. *Pipistrellus (Hypsugo) nanus stampflii:* Grubb, Jones, Davies, Edberg, Starin and Hill, Mammals of Ghana, Sierra Leone and The Gambia, 85. (Name Combination)
2000. *Pipestrellus manus:* Nwoha, Xaxton-Martins and Baxter-Grillo, Folia Morphol., 59 (3): 154. Publication date: 6 July 2000. (Lapsus)
2001. *Pipistrellus africanus meesteri* Kock, Acta Chiropt., 3 (1): 129. Type locality: South Africa: Transkei [Goto Description]. Holotype: TM 1076: ad ♀, skin and skull. Collected by: H.H. Swinny; collection date: 20 April 1908. - Comments: Replacement name for *P. nanus australis* Roberts, 1913 (preoccupied by *P. hesperus australis* Miller, 1897). The type specimen is the one used by Roberts (1913).
2002. *Neoromicia nanus:* Kearney, Volleth, Contrafatto and Taylor, Acta Chiropt., 4 (1): 58, 60. (Name Combination)
2002. *Pipistrellus (Hypsugo) africanus stampflii:* Kock, Barnett, Fahr and Emms, Acta Chiropt., 4 (1): 58.
2007. *Neoromicia manus:* Decher and Fahr, Myotis, 43: 11. Publication date: August 2007. (Lapsus)
? *Neoromicia nana:* (Name Combination, Current Combination)
? *Neoromicia nanus africanus:* (Name Combination, Alternate Spelling)
? *Neoromicia nanus culex:* (Name Combination, Alternate Spelling)
? *Neoromicia nanus fouriei:* (Name Combination, Alternate Spelling)
? *Neoromicia nanus helios:* (Name Combination, Alternate Spelling)
? *Neoromicia nanus minusculus:* (Name Combination, Alternate Spelling)
? *Neoromicia nanus nanus:* (Name Combination, Alternate Spelling)
? *Neoromicia nanus stampflii:* (Name Combination, Alternate Spelling)
? *Pipistrellus africanus nanus:* (Name Combination)

TAXONOMY:

Figure 321. *Neoromicia nana* caught in the Ubombo Mtns-NR, northern KwaZulu Natal, South Africa.

The oldest name for this species is (possibly) *africana*; see Koopman (1975: 400), but most authors still remained using the name *nana*, until Koopman (1994: 112) and Simmons (2005), who mention this species under the name *Pipistrellus africanus*. In Opinion 2120 (Anonymus, 2005), however, the ICZN ruled that the name *Pipistrellus nanus* (currently *Neoromicia nana*) should be given precedence over *africana*, whenever the two are considered to be synonyms.

Bronner *et al.* (2003) state that Volleth *et al.* (2001) and Kearney *et al.* (2002) provided karyotypic evidence for the inclusion of the banana bat (*"Pipistrellus" nanus*) in *Neoromicia*. Ansell and Dowsett (1988) and Koopman (1966) point out that *africanus* Ruppell, 1842 antedates *nanus* (Peters, 1852) as the valid name for this species. However, they continue to use the better-known name *nanus*, as topotypical *africanus* is restricted to Ethiopia (and is thus unlikely to be conspecific with *nanus*) and Happold (2003) has applied to the International Commission on Zoological Nomenclature for conservation of this specific epithet on the grounds of nomenclatural stability.

Grubb *et al.* (1998: 85) include it - as *nanus* - in the subgenus *Hypsugo*. Kearney *et al.* (2002: 68) states that *nana* belongs to the genus *Neoromicia*.

Hoofer and Van Den Bussche (2003: 38) include this taxon as "*(Hypsugo) nanus*" in a separate, unnamed genus.

The generic allience of *nana* is certainly not clear at this stage. Most authors mention this species in the genus *Pipistrellus*, but as pointed out in the previous paragraphs, present taxonomical investigations seem to indicate that it should be included in *Neoromicia*. However, the assignement to *Hypsugo* or even a new genus is not yet excluded. Further research is needed to fix its generic assignment.

Helbig *et al.* (2010: 168) suggest that *nana* needs to be transferred to a genus that needs to be newly created or resurrected from the current synonymy.

Recently, Meri Happold (pers. Comm.) reported that unlike all other pipistrelles placed in *Neoromicia* by Simmons (2005) and also unlike all African species placed in *Hypsugo* (ibid.), "*P. nanus*" has nyctalodont lower molars (as have all African species in *Pipistrellus*). The taxonomic implications need further investigation.

Happold (ibid) also reported that the following subspecies of *P. nanus* (as *P. africanus*) were recognized by Koopman (1994) and/or Kock (2001a), but their status and geographic ranges are uncertain:
P. n. stampflii. Sierra Leone to Côte d'Ivoire.
P. n. culex. Nigeria, Ghana.
P. n. africanus. Zaire to Ethiopia, mostly in highlands.
P. n. nanus. Zaire, Kenya and Tanzania to South Africa, also Cameroon (Rosevear 1965).
P. n. fouriei. S Angola, W Zambia, N Namibia.
P. n. meesteri. Transkei, South Africa.
P. n. minusculus. Liberia.

COMMON NAMES:
Afrikaans: Piesangvlermuis. Arabian: Khouchaf al matoussat. Azande (DRC): Fulo. Chewa: Ndemia. Czech: netopýr banánový, netopýr šplhavý. English: Banana Pipistrelle Bat, Banana Bat, Banana Pipistrelle. French: Pipistrelle naine, Pipistrelle naine aux ailes brunes. German: Bananen Zwergfledermaus, Bananen-Fledermaus, Bananen-Pipistrelle, Mozambique Dämmerungsfledermaus. Italian: Pipistrèllo di Pèters, Pipistrèllo nàno déi banàni. Kiluba (DRC): Kasusu. Manganja: Chuchu. Misuku: Kashusha. Portuguese: Morcego das bananeiras, Morcego-das-bananas. Spanish (Castillian): Pipistrelo Enano; Yao: Liputiputi (applied to all small bats).

ETYMOLOGY OF COMMON NAME:
Characteristically this species roosts during the day in the rolled-up, sprouting terminal leaves of banana plants and has become associated with them in particular (Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a degree of habitat modification, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Hutson *et al.*, 2008g; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Hutson *et al.*, 2008g;

IUCN, 2009). 2004 - LC ver 3.1 (2001) [assessed as *Neoromicia nanus*] (Jacobs, 2004d; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016m). 2004 - LC ver 3.1 (2001) [assessed as *Neoromicia nanus*] (Friedmann and Daly, 2004).

MAJOR THREATS:
There appear to be no major threats to this widespread and seemingly adaptable species (Hutson *et al.*, 2008g; IUCN, 2009), although Aronson *et al.* (2013: 9) report a fatality due to wind turbines in South Africa.

CONSERVATION ACTIONS:
Hutson *et al.* (2008g) [in IUCN (2009)] report that in view of the species wide range it is likely that it is present in many protected areas. Further research is needed into the taxonomy of this species.

GENERAL DISTRIBUTION:
Neoromicia nana is widely distributed throughout most of sub-Saharan Africa. It ranges from Senegal in the west, through West and Central Africa, to Eritrea, Ethiopia and Somalia in the east; from here it is found southwards to southeastern South Africa. The species has been recorded from Madagascar, where it has only been reported from the Kirindy CFPF forest in western Madagascar, and from Zombitse (Rasolozaka, 1994). It has also been recorded from the Tanzanian islands of Pemba, Unguja [= Zanzibar], and Mafia (O'Brien, 2011: 290).

It appears to be absent, or largely absent, from northern Kenya, Namibia, southern Botswana, western Zimbabwe, northern Mozambique, Lesotho and much of South Africa. It is possible that the species ranges more widely in these areas than is currently known, and further field studies are needed to investigate the distribution of the species.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,165,508 km^2. In South Africa, its distribution is mainly affected by the mimimum temperature of the coldest month (Babiker Salata, 2012: 49).

Bates *et al.* (2006) recommend that the identity of the specimens from Madagascar need to be reviewed.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 568); Benin (Capo-Chichi *et al.*, 2004: 163); Botswana (Archer, 1975; Monadjem *et al.*, 2010d: 568); Burkina Faso (Kangoyé *et al.*, 2015a: 620); Burundi; Cameroon; Central African Republic; Chad; Congo (Bates *et al.*, 2013: 337); Congo (The Democratic Republic of the) (Schouteden, 1944; Hayman *et al.*, 1966; Van Cakenberghe *et al.*, 1999; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 568); Côte d'Ivoire; Djibouti (Pearch *et al.*, 2001: 388); Equatorial Guinea; Eritrea; Ethiopia; Gabon; Gambia (Emms and Barnett, 2005: 50); Ghana (Decher and Fahr, 2007: 18); Guinea (Fahr *et al.*, 2006a: 73); Guinea-Bissau (Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Rainho and Ranco, 2001:60); Kenya; Liberia (Monadjem and Fahr, 2007: 50 [as *Neoromicia nanus*]); Madagascar; Malawi (Happold *et al.*, 1988; Ansell and Dowsett, 1988: 41; Monadjem *et al.*, 2010d: 568); Mali; Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 568; Monadjem *et al.*, 2010c: 384); Namibia (Monadjem *et al.*, 2010d: 569); Niger; Nigeria; Rwanda; Senegal; Sierra Leone; Somalia; South Africa (De Graaf, 1960; Monadjem *et al.*, 2010d: 569); Sudan; Swaziland (Monadjem *et al.*, 2010d: 569); Tanzania (Stanley and Goodman, 2011: 47); Togo; Uganda (Kityo and Kerbis, 1996: 61); Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 569); Zimbabwe (Monadjem *et al.*, 2010d: 569).
Presence uncertain: Lesotho.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Tragus: Monadjem *et al.* (2013c: 204) contains a line drawing of the tragus of specimen DNSM 12594 from Mount Nimba, Liberia.

From western Uganda, Monadjem *et al.* (2011: 30) reported the following data for 5 specimens: Fa: 31.60 ± 0.758 mm, mass: 3.6 ± 0.89 g, wing loading: 4.2 ± 0.59 N/m^2, aspect ratio: 6.2 ± 0.14.

DENTAL FORMULA:
Dorst (1949: 47) indicates that the milk dentition of "*P. nanus*" is very similar to that of *P. kuhlii*. He also indicated that the milk teeth form a clearly separated arcade outside the pernanent tooth series.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002).

ECHOLOCATION:
See Jacobs (1996), Taylor (1999b) and Taylor *et al.* (2005).

Schoeman and Waddington (2011: 291) mention a peak frequency of 67.1 ± 1.9 kHz and duration of 4.0 ± 0.9 msec for specimens from Durban, South Africa. Naidoo *et al.* (2011: 23) report a peak

frequency of 68.1 ± 1.0 kHz and a duration of 3.1 ± 0.8 msec from the same area.

At Uzungwa Scarp Forest Reserve, Tanzania, Trentin and Rovero (2011: 57) indicate that the starting frequency is very variable (mean 86.9 kHz). In about 2 msecs the call decreases from its maximum to its minimum at 60.7 kHz, after which it increases slightly to 64.5 kHz. The maximum intensity occurs at 66 kHz.

Taylor *et al.* (2013b: 17) recorded the following parameters for 4 calls from Swaziland: F_{max}: 77.2 ± 3.34 (74.4 - 80.9) kHz, F_{min}: 66.2 ± 0.92 (64.9 - 67.0) kHz, F_{knee}: 68.2 ± 1.60 (66.1 - 69.9) kHz, F_{char}: 66.9 ± 0.96 (65.4 - 67.4) kHz, duration: 3.2 ± 0.59 (2.4 - 3.6) msec. Also from Swaziland, Monadjem *et al.* (2017c: 179) reported: F_{min}: 69.7 ± 2.29 (66.8 - 71.8) kHz, F_{knee}: 72.3 ± 2.08 (70.6 - 75.1) kHz, F_c: 70.2 ± 2.25 (67.5 - 72.2) kHz and duration: 2.8 ± 0.32 (2.6 - 3.2) msec. The maximum distance over which they were able to dectect the calls was 10 m (mean: 5.8 ± 1.07 m).

At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 68 (66 - 70) kHz.

From western Uganda, Monadjem *et al.* (2011: 32) reported the following parameters for 5 calls: F_{min}: 71.06 ± 6.019 kHz, F_{max}: 98.94 ± 4.751 kHz, F_{char}: 79.76 ± 8.196 kHz, F_{knee}: 84.89 ± 7.145 kHz, duration: 1.1 ± 0.089 msec.

Eisenring *et al.* (2016: SI 2) reported PF: 66.8 ± 2.0 (63.0 - 69.9), HF: 94.7 ± 17.5 (69.6 - 117.9), LF: 63.7 ± 2.1 (59.8 - 66.9), DT: 0.0 ± 0.0 (0.0 - 0.1), DF: 31.0 ± 16.9 (4.9 - 55.8), IPI: 0.7 ± 0.3 (0.3 - 1.5) for 27 calls from the Aberdares Range in Kenya.

For 1 FM/QCF type call from Maroua, Cameroon, Manga Mongombe (2012: 79) reported: F_{max}: 106.4 kHz, F_{min}: 96.6 kHz, F_{mean}: 101.7 kHz, F_{knee}: 106.4 kHZ, F_{char}: 96.9 kHz, and duration: 0.42 msec.

Molecular Biology:

DNA - See Hoofer and Van Den Bussche (2003) for the results of a specimen from Kenya.

Karyotype - Both Peterson and Nagorsen (1975) and Rautenbach *et al.* (1993) reported 2*n* = 36, FN = 50, BA = 16, a metacentric X chromosome, and an acrocentric Y chromosome. GTG-bands identified three Robertsonian fusion chromosomes (7/11, 8/9, 10,12), considered as distinguishing characters for the genus *Neoromicia* Kearney *et al.* (2002).

From Senegal, Koubínová *et al.* (2013: 3) report the following karyotype for 9 ♂♂ and 7 ♀♀: 2*n* = 34, FNa = 50, FN = 54, X = Subtelocentric and Y = dot-like (probably acrocentric). They also found (p. 7) that two pairs of acrocentric autosomes were missing compared to previous findings, but contained an additional metacentric pair, which could be the result of a Robersonian fusion. Due to these differences, they assigned their specimens to *N.* cf. *nana*.

Protein / allozyme - See Morales *et al.* (1991) for results from two specimens from South Africa.

Habitat:

Monadjem *et al.* (2010a) found that there was no difference in use by *N. nana* between logged and undisturbed forested areas; however, the species exhibited higher levels of activity along the wide tracks running through the two forests than either 30 m off these tracks or along the narrow forest trails. Naidoo *et al.* (2009: 30) showed that the abundance and feeding activity of *N. nana* at sludge tank sites and at sites downstream of wastewater treatment works (WWTWs) was significantly higher than at sites upstream of these, probably due to insect abundance, specifically pollution tolerant chironomid midges. Naidoo *et al.* (2013b: 108) found that haematocrits were significantly higher in *N. nana* foraging at WWTWs indicating that *N. nana* may be compensating for a chronically low oxygen circulation within the body or kidney damage. They also report that hepatosomatic and renalsomatic indices were significantly higher suggesting hypertrophy of the detoxification organs. Additionally, the gonadosomatic index of the testes were also significantly larger at WWTWs, suggesting that reproductive potential of males may be compromised.

Naidoo *et al.* (2013a: 51) found that essential metals (Cu, Zn and Fe) were detected in all tissue samples from *N. nana* foraging at upstream and wastewater-polluted sites. Non-essential metals (Cd, Ni and Cr) were detected only in *N. nana* foraging at wastewater-polluted sites (except one upstream occurrence of Cd). The first set of metals is essential for normal cellular processes and bodily function, the latter are considered harmful to organisms.

Significant differences for essential metals and mineral nutrients (Fe and Zn in liver; Cu and K in kidneys) were also reported by Naidoo *et al.* (2015a: 830).

Naidoo *et al.* (2014) reported that *N. nana* specimens captured at WWTWs also had higher DNA damage, lower antioxidant capacity, and higher haematocrits than bats from non-polluted sites.

In another study at WWTWs, Hill *et al.* (2016: 92) found that bats rely on iBrAT (interscapular brown adipose tissue) as an energy source, and that opportunistic foraging on abundant, pollutant-tolerant prey may change fatty acid profiles in their tissue, with possible effects on mitochondrial functioning, torpor and energy usage.

LaVal and LaVal (1977) [in Naidoo *et al.* (2014)] indicate that *N. nana* has a relatively small home range of about 300 m around its roost.

In the Mount Nimba area, Monadjem *et al.* (2016y: 370) recorded this species from forested and forest edge habitats ranging from 450 to 530 m.

HABITS:
Monadjem *et al.* (2010a) found that *N. nana* was most active in the first 5 hrs after sunset with activity declining rapidly after midnight.

Keeley and Keeley (2004: 116) [referring to O'Shea (1980) and Happold and Happold (1996)] mention that male "*Pipistrellus nanus*" roosting in palm-thatched roofs show territoriality and aggressive competition for spacious roosts, whereas males in populations roosting in banana leaves appear not to defend territories aggressively, and indicate that this difference might be based on the availability of preferred roosts. However, the more likely explanation being that these differences are due to these two groups belonging to different species, as the thatched roof inhabiting form is most likely *N. helios*.

DIET:
From the Umbilo River (KwaZulu Natal, RSA), Naidoo *et al.* (2011: 26) reported the following prey volume percentages: during summer: Lepidoptera (2.3 ± 1.4), Hemiptera (34.6 ± 14.1), Diptera (43.6 ± 17.4), and Trichoptera (19.6 ± 6.8); during winter: Coleoptera (36.4 ± 2.5), Coleoptera (3.2 ± 0.9), Hemiptera (19.1 ± 7.5), Diptera (29.5 ± 3.7), and Trichoptera (12 ± 7.2).

PREDATORS:
Broadley (1982) [in Schätti (1984: 338)] reported the killing of a "*Pipistrellus nanus*" specimen by an opisthoglyphe treesnake (*Thelotornis capensis* A. Smith, 1849).

Nyffeler and Knörnschild (2013: 5) refer to Rosevear (1953: 267) for a dead bat being recovered by T.S. Jones from a spider's web near Kerema, Sierra Leone.

Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - Probably not uncommon in suitable habitats (Happold, 1987).
Trend - 2008 - Unknown (Hutson *et al.*, 2008g; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
N. nana uses territorial calls (possibly with a courtship function) consising of a simple syllable type in series (O'Shea, 1980 in Smotherman *et al.*, 2016: 537).

REPRODUCTION AND ONTOGENY:
van der Merwe and Stirnemann (2007: 53) report that *N. nana* is a seasonal monoestrous breeder. In Mpumalanga Province (South Africa), they found that spermatogensis began in late September and spermatozoa were present in the caudae epididymides from late April throughout August. Mating started in May and ovulation and fertilization occurred from the beginning of August, when the first implantations also occurred. Parturition took place between late October and the end of November. Lactating females were found until mid January. They also indicate that reproduction timing was about one month earlier than in Malawi.

Trentin and Rovero (2011: 51) report five lactating females, captured at the end of November 2005 at Uzungwa Scarp Forest Reserve, Tanzania.

Happold (2001: 397) - referring to Bernard *et al.* (1997) - indicates that sperm storage and delayed fertilisation is used to alter the interval between copulation and parturition, and as such their chronology of reproduction.

MATING:
McCracken and Wilkinson (2000: 329) indicate that *N. nana* mating groups consist of a single male and multiple females, but can not be considered as harems. Males are often visited simultaneously by several females, and some males are visited more frequently by more females than others (see also Happold and Happold, 1996).

PARASITES:
ACARI
Sarcoptidae: Fain (1959d: 157) described *Notoedres (Metanotoedres) miniopteri* from a "*Pipistrellus nanus*" from Bukavu, DRC.

DIPTERA
Nycteribiidae: *Nycteribia schmidlii* Schiner, 1853 (Haeselbarth *et al.*, 1966: 108, host referred to both *N. nana* and *P. culex*). *Basilia ansifera* Theodor, 1956 mainly a West African species,

reaches Lake Victoria in the east and Lake Nyasa in the south, nearly all localities lie between 15° latitude north and south (Haeselbarth *et al.*, 1966: 110, host referred to *N. nana*, *P. culex* and *P. stampflii*). *Basilia robusta* Theodor, 1956 (Haeselbarth *et al.*, 1966: 111).

ACARINA
Dermanyssidae: Zumpt and Till (1954: 49) described *Steatonyssus eos* from "*Pïpistrellus nanus*" specimens from Kenya.

NEMATODA
Durette-Desset and Chabaud (1975: 323) described *Allintoschius dunni* from a *Myotis mystacinus* specimen from Malaysia, but also indicated that this Nematode was also found in five "*Pipistrellus nanus*" specimens from Maboké (CAR).

VIRUSES:
Bunyaviridae
Mouyassué virus - MOYV (or MOUV)
Sumibcay *et al.* (2012: 2) reported hantavirus RNA from 2 out ot 12 banana pipistrelles captured near Mouyassué village, in Côte d'Ivoire. However, Gu *et al.* (2014) were unable to find any additional bats infected with this virus.

Coronaviridae - Coronaviruses
SARS-CoV - During Febuary 2008 in Ghana, Pfefferle *et al.* (2009) tested negative five fecal samples for coronavirus (CoV) RNA.

Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that two out of seven examined South African specimens tested positive for *Paramyxovirus* sequences.

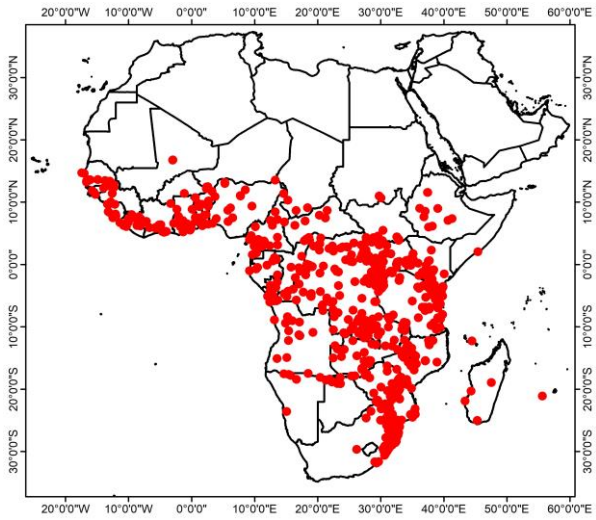

Figure 322. Distribution of *Neoromicia nana*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Comoros, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Djibouti, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Madagascar, Malawi, Mali, Mozambique, Namibia, Niger, Nigeria, Réunion, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

Neoromicia rendalli (Thomas, 1889)

*1889. *Vesperugo (Vesperus) Rendalli* Thomas, Ann. Mag. nat. Hist., ser. 6, 3 (16): 362, fig. 1. Publication date: 1 April 1889. Type locality: The Gambia: Bathurst [=Banjul] [13 28 N 16 39 W] [Goto Description]. Holotype: BMNH 1889.3.2.3: ad ♂, skull and alcoholic. Collected by: Dr. Percy Rendall. See Thomas (1889: 26-7). - Etymology: In honour of Dr. Percy Rendall (1861 - 1948), an English zoologist and the collector of the type specimen (see Thomas, 1889: 364; Smithers, 1983: 102; Taylor, 2005; Lanza *et al.*, 2015: 428).

1897. *Vesperugo (Eptesicus) rendalli:* Thomas, Proc. zool. Soc. Lond., 1896, IV: 791. Publication date: April 1897. (Name Combination)

1899. *Vesperugo Rendalli:* Trouessart, Catalogus Mammalium tam viventium quam fossilium, fasc VI: 1280. (Name Combination)

1911. *Eptesicus phasma* G.M. Allen, Bull. Mus. comp. Zool., 54 (6): 327. Publication date: December 1911. Type locality: Kenya: Northern Guaso Nyiro: Meru River: effluent of northern Guaso Nyiro [=Ewaso Ngiro] [00 03 N 37 39 E] [Goto Description]. Holotype: MCZ 8279: ad ♂, skin and skull. Collected by: Glover Morrill Allen; collection date: 6 August 1909; original number: 94. See Allen (1911: 327). - Comments: Coordinates of the type locality mentioned as 00 31 N 37 40 E by Thorn *et al.* (2009: 56). The MCZ also has a small series of paratypes (see Helgen and McFadden, 2001: 14).

1917. *Eptesicus faradjius* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 444. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Faradje [03 44 N 29 43 E] [Goto Description]. Holotype: AMNH 49045: ad ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 21 February 1911; original number: 1914.

Topotype: AMNH 49044: ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 49048: ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 49049: ♀, skin only. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 49051: ♂, skin only. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 49052: ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 49053: ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 49054: ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. Topotype: AMNH 49055: ♀, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition. - Comments: The museum label mentions 1414 as original number.

1926. *Eptesicus rendalli:* Cabrera and Ruxton, Ann. Mag. nat. Hist., ser. 9, 17 (103): ???. Publication date: 1 May 1926. (Name Combination)
1953. *Eptesicus (Eptesicus) rendalli:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 77. (Name Combination)
1965. *E[ptesicus rendalli] phasma:* Koopman, Am. Mus. Novit., 2219: 14. (Name Combination)
1965. *Eptesicus rendalli faradjius:* Koopman, Am. Mus. Novit., 2219: 14. (Name Combination)
1968. *Eptesicus rendalli phasma:* Funaioli and Lanza, Mon. Zool. ital., (N.S.) 2 (Suppl.): 200. (Name Combination)
1975. *E[ptesicus (Eptesicus)] r[endalli] phasma:* Koopman, Bull. Am. Mus. Nat. Hist., 154 (4): 409. (Name Combination)
1984. *Eptesicus (Eptesicus) rendalli phasma:* Anciaux de Faveaux, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch.. (Name Combination)
1984. *Eptesicus (Eptesicus) rendalli rendalli:* Anciaux de Faveaux, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch.. (Name Combination)
1987. *Nycterikaupius rendalli:* Menu, Palaeovert., 17 (3): 109. Publication date: 15 November 1987. (Name Combination)
1987. *Pipistrellus (Neoromicia) rendalli:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 282. (Name Combination)
1992. *Eptesicus rendallii:* Rautenbach and Fenton, Z. Säugetierk., 57: 113. (Lapsus)
1993. *Eptesicus (Neoromicia) rendalli:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 203. (Name Combination)
1994. *E[ptesicus (Neoromicia)] r[endalli] phasma:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 117. (Name Combination)
1994. *E[ptesicus (Neoromicia)] r[endalli] rendalli:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 117. (Name Combination)
1995. *Pipistrellus rendalli:* Koopman, Kofron and Chapman, Am. Mus. Novit., 3148: 11. (Name Combination)
2002. *Neoromicia rendalli:* Kearney, Volleth, Contrafatto and Taylor, Acta Chiropt., 4 (1): 58. (Name Combination, Current Combination)
2002. *Pipistrellus r[endalli] phasma:* Kock, Barnett, Fahr and Emms, Acta Chiropt., 4 (1): ???. (Name Combination)
2003. *? (Hypsugo) rendalli:* Hoofer and Van Den Bussche, Acta Chiropt., 5 (Suppl.): 38. (Name Combination)
? *Neoromicia rendalli faradjius:* (Name Combination)
? *Neoromicia rendalli phasma:* (Name Combination)
? *Neoromicia rendalli rendalli:* (Name Combination)
? *Neoromicia rueppellii:* (Alternate Spelling)
? *Pipistrellus (Neoromicia) rendalli rendalli:* (Name Combination)

TAXONOMY:
Mentioned in the genus *Pipistrellus* by Koopman (1994: 117). Volleth *et al.* (2001: 44) assigned this species to the genus *Neoromicia*. Reviewed by Kock *et al.* (2002: 89). Included (as (*Hypsugo*) *rendalli*) in a separate, unnamed genus by Hoofer and Van Den Bussche (2003: 38).

Helbig *et al.* (2010: 168) suggest that *rendalli* needs to be transferred to a genus that needs to be newly created or resurrected from the current synonymy.

COMMON NAMES:
Afrikaans: Rendall se dakvlermuis, Rendal-dakvlermuis. Czech: netopýr Rendallův. English: Rendall's Serotine, Rendall's Serotine Bat, Rendall's Pipistrelle Bat, Rendall's Pipistrelle. French: Serotine de Rendall, Pipistrelle de Rendall. German: Rendalls Zwergfledermaus, Rendalls Pipistrelle. Italian: Pipistrèllo di Rèndall. Portuguese: Morcego caseiro de Rendall.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008w; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Pipistrellus rendalli*] (Jacobs *et al.*, 2008w; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004ad; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016ab). 2004 - CR B2ab(iii) ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
In general, there appear to be no major threats to this species. In some parts of its range, this species is threatened by the conversion of its habitat to agricultural use (Jacobs *et al.*, 2008w; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008w) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas. Further research is needed into the distribution of this patchily recorded species.

GENERAL DISTRIBUTION:
Neoromicia rendalli has been widely, but patchily, recorded over much of sub-Saharan Africa. It ranges from Senegal in the west, through West and Central Africa to Somalia in the east, and as far south as eastern South Africa.

Native: Benin (Capo-Chichi *et al.*, 2004: 163); Botswana (Archer, 1975; Monadjem *et al.*, 2010d: 569); Burkina Faso (Kangoyé *et al.*, 2012: 6026; 2015a: 621); Cameroon; Central African Republic; Chad; Congo; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Gallagher and Harrison, 1977; Monadjem *et al.*, 2010d: 569); Gambia; Ghana; Kenya; Liberia (Fahr, 2007a: 104); Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 569); Mali (Meinig, 2000: 105); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 569; Monadjem *et al.*, 2010c: 384); Niger; Nigeria; Rwanda; Senegal; Sierra Leone; Somalia; South Africa [KwaZulu Natal] (Kearney and Taylor, 1997: 54; Monadjem *et al.*, 2010d: 569); Sudan; Tanzania; Togo; Uganda; Zambia (Ansell, 1969; Ansell, 1974; Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 569); Zimbabwe (Monadjem *et al.*, 2010d: 569).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Tragus: Monadjem *et al.* (2013c: 204) line drawing of tragi of specimen DNSM 12619 referred to as *N. cf. rendalli* from Mount Nimba, Liberia.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

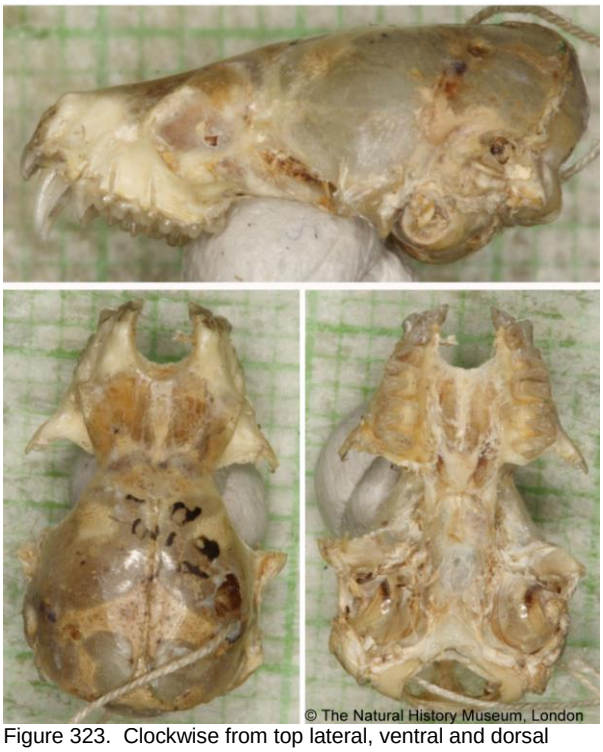

Figure 323. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1889.3.2.3, holotype of *Vesperugo* (*Vesperus*) *rendalli* Thomas, 1889.

In their study on the reversibility of the mandibular symphyseal fusion, Scott *et al.* (2012: 2943) report that this symphyse is unfused, with smooth surfaces.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002). The baculum of *N.* cf. *rendalli* was

longer in total length (2.97 mm). The angle of shaft curvature, measured from mid-shaft to the shaft base, was more acute in *N. tenuipinnis* (43°) than in *N.* cf. *rendalli* (58°) (Monadjem *et al.*, 2013c: 197). Line drawing of the dorsal and ventral view of the baculum of specimen DNSM 12619 from Mount Nimba, Liberia referred to as *N.* cf. *rendalli* are shown in Monadjem *et al.* (2013c: 204).
Brain - Amrein *et al.* (2007), from specimens collected from Benin, reported that proliferating cells, detected with Ki-67 and MCM2, in the subgranular layer of the dentate gyrus was found to be absent. Amrein *et al.* (2007) also reported moderate to ample proliferating cells (Ki-67 positive cells) and migrating young neurons (DCX positive cells) in the rostral migratory stream. Amrein *et al.* (2007) furthermore detected few DCX positive cells in the rostral migratory stream and the olfactory bulb.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).

Karyotype - McBee *et al.* (1987), Rautenbach and Fenton (1992) and Kearney *et al.* (2002) all recorded 2*n* = 38, FN = 50, BA = 14, and a submetacentic X chromosome. Rautenbach and Fenton (1992) and Kearney *et al.* (2002) also recorded an acrocentric Y chromosome. GTG-bands identified three Robertsonian fusion chromosomes (7/11, 8/9, 10,12), considered as distinguishing characters for the genus *Neoromicia* Kearney *et al.* (2002).
In Senegal, Koubínová *et al.* (2013: 3) found a very similar karyotype, although they mention the Y chromosome as dot-like and presumably acrocentric.

Protein / allozyme - Unknown.

POPULATION:
Structure and Density - This appears to be a locally rare species, usually occurring as moderately small colonies of several individuals up to a few dozen animals (Jacobs *et al.*, 2008w; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008w; IUCN, 2009).

PARASITES:
DIPTERA
Nycteribiidae: *Basilia ansifera* Theodor, 1956 mainly a West African species, reaching Lake Victoria in the east and Lake Nyasa in the south, nearly all localities lie between 15° latitude north and south (Haeselbarth *et al.*, 1966: 110). *Basilia bouvieri* (Falcoz, 1924) from Tanzania, Sudan, Senegal and Sierra Leone (Haeselbarth *et al.*, 1966: 111, host referred to as *E. phasma*).

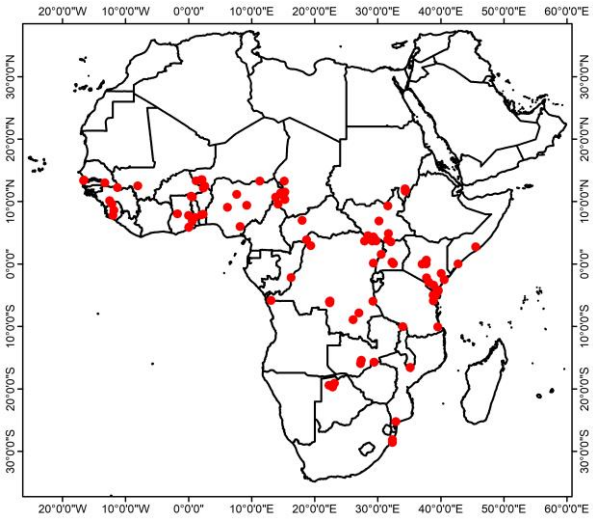

Figure 324. Distribution of *Neoromicia rendalli*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Botswana, Cameroon, Central African Republic, Chad, Congo (Democratic Republic of the), Ghana, Guinea, Kenya, Malawi, Mali, Mozambique, Niger, Nigeria, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Tanzania, The Gambia, Togo, Uganda, Zambia, Zimbabwe.

Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012

*2012. *Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, Zootaxa, 3250: 1, 11, figs 3A, 4, 5A, 6A. Publication date: 29 March 2012. Type locality: Madagascar: Province d'Antananarivo, Anjozorobe, Amboasary [18 24.295 S 47 56.699 E] [Goto Description]. Holotype: UADBA 43677: ad ♂, skull and alcoholic. Collected by: Richard K.B. Jenkins; collection date: 25 September 2002; original number: RBJ 105. Paratype: FMNH 213931: ad ♂, skull and alcoholic. Collected by: Richard K.B. Jenkins; original number: RBJ 119. Formerly UADBA 43679. Madagascar: Province de Toamasina, Parc National de Mantadia, between PK 9 and PK 10, 18 48.941 S, 48 25.633 E (see Goodman *et al.*, 2012b: 11). Paratype: UADBA 43678: ad ♀, skull and alcoholic. Collected by: Richard K.B. Jenkins; original number: RBJ 118. Madagascar: Province de Toamasina, Parc National de Mantadia, between PK 9 and PK 10, 18 48.941 S, 48 25.633 E (see Goodman *et al.*, 2012b: 11). - Etymology: In honour of Austin Roberts, who conducted systematic research on African mammals at the Transvaal Museum in Pretoria, and studied southern Africa bats, including small vespertilionids, during which he provided

important insights into sorting out their generic affiliations (see Goodman *et al.*, 2012b: 11). (Current Combination)

2017. *N[eoromicia] roberti:* Goodman, Kearney, Ratsimbazafy and Hassanin, Zootaxa, 4236 (2): 358. Publication date: 23 February 2017. (Lapsus)

TAXONOMY:
Bates *et al.* (2006: 303) previously assigned these Madagascan specimens to *Neoromicia melckorum*, but see Goodman *et al.* (2012b: 2).

Goodman *et al.* (2012b: 7) indicate that *N. robertsi* forms a sister-species pair with *N. malagasyensis*.

COMMON NAMES:
German: Roberts Zwergfledermaus.

GENERAL DISTRIBUTION:
Eastern Madagascar.

BIOGEOGRAPHY:
Only known from two localities in eastern Madagascar, at altitudes between 900 and 1,300 m (see Goodman *et al.*, 2012b: 20).

MOLECULAR BIOLOGY:
N. robertsi is separated from its sister-species (*N. malagasyensis*) by a 1.8 % (12S rRNA) and 2.3 % (16S rRNA) sequence divergence. It is separated by a 3.3 % (12S rRNA) and 5.1 % (16S rRNA) sequence divergence from the other sister-species pair: *N. matroka* and *N. capensis*. The divergence between *N. robertsi* and other related taxa is greater than 6.0 % (12S rRNA) and 8.0 % (16S rRNA) (see Goodman *et al.* (2012b: 7).

DIET:
Rakotondramanana *et al.* (2015: 74) report the following prey volume percentages: Coleoptera: 55.0 ± 9.01; Hymenoptera: 25.3 ± 15.73; Lepidoptera: 7.5 ± 7.87; Trichoptera: 2.5 ± 2.95, and Homoptera: 9.7 ± 14.00. The frequency by which these occur are: Coleoptera: 96.7 ± 8.16; Hymenoptera: 80.0 ± 25.30; Lepidoptera: 50.0 ± 45.16; Trichoptera: 26.7 ± 30.11, and Homoptera: 40.0 ± 33.47.

PARASITES:
BACTERIA
Gomard *et al.* (2016: 5) found the single specimen they tested to be posifive for *Leptospira*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

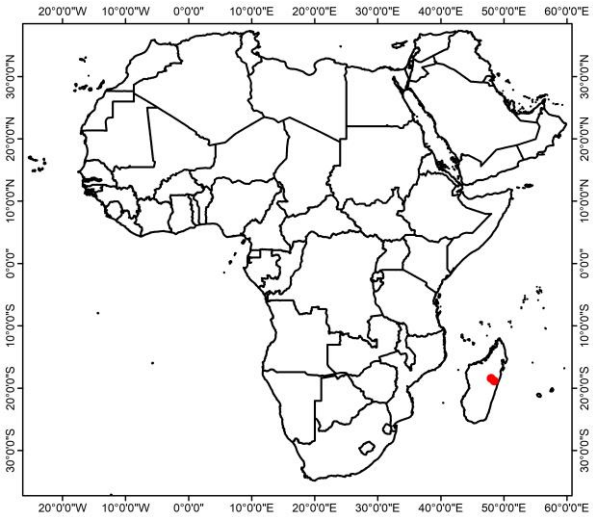

Figure 325. Distribution of *Neoromicia robertsi*

Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013

*2013. *Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, Zool. J. Linn. Soc., 167 (1): 191, 197, figs 4 - 7. Publication date: 18 January 2013. Type locality: Liberia: Nimba province: Yiti River [07 29 N 08 35 W] [Goto Description]. Holotype: DNSM 12617: ad ♂, skull and alcoholic. Collected by: Dr. Ara Monadjem; collection date: 23 December 2010; original number: AM2010_12_23_1. Paratype: DNSM 13226: ad ♂. Collected by: Dr. Ara Monadjem; collection date: 23 December 2011; original number: AM2011_12_23_03. - Etymology: In honour of Donovan Reginald Rosevear who made a significant contribution to West African bat research in the 20th century, culminating in his book 'The bats of West Africa' (see Monadjem *et al.*, 2013c: 201). (Current Combination)

TAXONOMY:
Monadjem *et al.* (2013c) distinguish *Neoromicia roseveari* from other similar taxa on molecular grounds, craniodental morphology, and baculum structure.

COMMON NAMES:
German: Rosevears Zwergfledermaus.

GENERAL DISTRIBUTION:
Native: Guinea (Decher *et al.*, 2016: 273).

HABITAT:
This species has only been recorded in forested habitats at the base of Mount Nimba (Monadjem *et al.*, 2016y: 370).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Côte d'Ivoire, Guinea, Liberia.

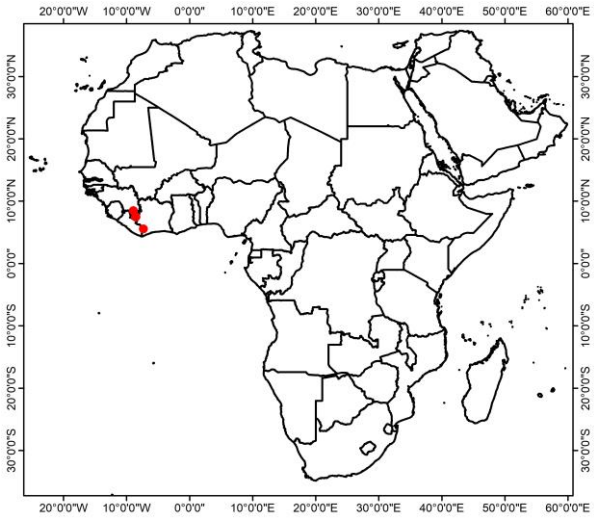

Figure 326. Distribution of *Neoromicia roseveari*

Neoromicia somalica (Thomas, 1901)

*1901. *Vespertilio minutus somalicus* Thomas, Ann. Mag. nat. Hist., ser. 7, 8 (43): 32. Publication date: 1 July 1901. Type locality: Somalia: Northwest province: Hargeisa [09 33 N 44 04 E, 3 500 ft] [Goto Description]. Holotype: BMNH 1898.6.9.1: ad, skin and skull. Collected by: R. McDonald Hawker Esq. Collection date: 14 November 1897; original number: RH5. - Etymology: From the masculin scientific Latin adjecrive *somàlicus*, meaning "inhabiting Somalia", referring to the provenance of the type specimen (see Lanza *et al.*, 2015: 447).
1907. *Vespertilio somalicus:* Matschie, Liste der von Herrn V.B. Schillings gesammelten Säugetier-Arten, 534. (Name Combination)
1911. *Eptesicus minutus somalicus:* G.M. Allen, Bull. Mus. comp. Zool., 54 (9): 326. (Name Combination)
1916. *Eptesicus ugandæ* Hollister, Smiths. Misc. Coll., 66 (1) (2406): 3. Publication date: 10 February 1916. Type locality: South Sudan: [formerly in Uganda]: between Nimule and Gondokoro: Ledgus: Thorn *et al.* (2009: 54-6) indicate that Ledgus was situated within the Uganda protectorate at the time the taxon was described. Currently, this locality is in the Central Equatoria province of South Sudan (see also Fisher and Ludwig, 2015: 80). [04 11 N 31 32 E] [Goto Description]. Holotype: USNM 166520: ad ♀, skull and alcoholic. Collected by: John Alden Loring; collection date: 15 February 1910; original number: 9022. - Comments: Type locality might be in Uganda rather than Sudan as originally mentioned.
1918. *Eptesicus capensis somalicus:* Hollister, Bull. U.S. natl. Mus., 99: 92. (Name Combination)
1930. *Pipistrellus minutus somalicus:* Zammarano, Le colonie Italiane, ???. (Name Combination)
1962. *E[ptesicus] somalicus:* Rosevear, Mammalia, 26 (4): 457. (Name Combination)
1965. *[Eptesicus somalicus] ugandae:* Koopman, Am. Mus. Novit., 2219: 14. (Name Combination)
1969. *Eptesicus somalicus ugandae:* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 175. (Name Combination)
1971. *Eptesicus (Eptesicus) somalicus somalicus:* Hayman and Hill, Mammals of Africa: Chiroptera, 44. (Name Combination)
1971. *Eptesicus (Eptesicus) somalicus ugandae:* Hayman and Hill, Mammals of Africa: Chiroptera, 44. (Name Combination)
1971. *Eptesicus (Eptesicus) somalicus:* Hayman and Hill, Mammals of Africa: Chiroptera, 44. (Name Combination)
1971. *Eptesicus somalicus somalicus:* Hill and Morris, Bull. Br. Mus. (nat. Hist.) Zool., 21 (2): 42. (Name Combination)
1987. *Nycterikaupius somalicus:* Menu, Palaeovert., 17 (3): 109. Publication date: 15 November 1987. (Name Combination)
1987. *Pipistrellus (Neoromicia) somalicus:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 282. (Name Combination)
1993. *Eptesicus (Neoromicia) somalicus:* Koopman, in: Wilson and Reeder, Mammal species of

the World (2nd Edition): Chiroptera, 203. (Name Combination)
1994. *P[ipistrellus (Neoromicia)] s[omalicus] somalicus:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 117. (Name Combination)
1994. *P[ipistrellus (Neoromicia)] s[omalicus] ugandae:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 117. (Name Combination)
1995. *P[ipistrellus] somalicus:* Barratt, Bruford, Burland, Jones, Racey, and Wayne, Symp. zool. Soc. Lond., 67: 380. (Name Combination)
1995. *P[ipistrellus] somalius:* Burland, Jones, Racey, and Wayne, Symp. zool. Soc. Lond., 67: 379. (Lapsus)
1995. *Pipistrellus somalicus:* Koopman, Kofron and Chapman, Am. Mus. Novit., 3148: 11. (Name Combination)
2003. *Neoromicia somalicus:* Hoofer and Van Den Bussche, Acta Chiropt., 5 (Suppl.): 19. (Name Combination, Current Combination, Alternate Spelling)
2004. *N[eoromicia] s[omalicus] somalicus:* Goodman and Ranivo, Mamm. biol., 69 (6): 434. (Name Combination)
2008. *N[eoromicia] somalica:* Riccucci and Lanza, Hystrix, It. J. Mamm., (n.s.) 19 (2): 176. - Comments: Riccucci and Lanza (2008: 176) indicate that the genus *Neoromicia* is feminine, therefore the spelling of the species ending must also be feminine according to Art. 31.2 of the ICZN (1999). (Name Combination)
? *Eptesicus somalicus:* (Name Combination)
? *Neoromicia somalica:* (Current Spelling)
? *Neoromicia somalicus somalicus:* (Name Combination, Alternate Spelling)
? *Neoromicia somalicus ugandae:* (Name Combination, Alternate Spelling)
? *Neoromicia somalicus vansoni:* (Name Combination, Alternate Spelling)

TAXONOMY:
Koopman (1993a: 203) included *zuluensis*; see Koopman (1975: 404, 405), but see Peterson *et al.* (1995), Simmons (2005). Mentioned in the genus *Pipistrellus* by Koopman (1994: 117). The subspecific allocations of West African and Tanzanian populations are uncertain (Koopman, 1994: 117).

Riccucci and Lanza (2008) indicated that the genus *Neoromicia* is feminine, therefore the ending of the species name *somalicus* must be *somalica*.

Helbig *et al.* (2010: 168) suggest transferring *somalica* to the genus *Laephotis*.

COMMON NAMES:
Afrikaans: Somali-dakvlermuis. Czech: netopýr somálský. English: Somali Serotine, Somali Pipistrelle Bat, Somalian Pipistrelle Bat, Somali Serotine Bat. French: Sérotine de Somalie, Pipistrelle de Somalie. German: Somalia-Zwergfledermaus, Somalia-Pipistrelle. Italian: Pipistrèllo sòmalo.

CONSERVATION STATUS:
Global - Although this species is known mainly from patchy records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, tolerance of a broad range of habitats, presumed large overall population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs, 2008g; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Pipistrellus somalicus*] (Jacobs, 2008g; IUCN, 2009). 2004 - LC ver 3.1 (2001) [assessed as *Neoromicia somalicus*] (Jacobs, 2004c; IUCN, 2004). 1996 - LR/lc [assessed as *Eptesicus somalicus*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Jacobs, 2008g; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs (2008g) [in IUCN (2009)] report that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected area, although it seems likely to occur in some East African parks. Further studies are needed into the taxonomy, distribution, natural history and threats to this species.

GENERAL DISTRIBUTION:
Neoromicia somalica has been recorded over much of West, Central and East Africa. It ranges from Guinea Bissau in the west, to Sudan, Eritrea and Somalia in the east, being found as far south as Tanzania and southern Democratic Republic of the Congo adjacent to the border with northern

Angola.

Happold and Happold (1997b: 825) record *N. somalica* in Malawi, with reservations.
Specimens from southern Africa might possibly represent *Neoromicia zuluensis*, since the distinction between the two species (*zuluensis* and *somalica*) has not been made throughout the literature.
Earlier records from Madagascar are now assigned to *Neoromicia malagasyensis*.

Native: Benin; Botswana; Burkina Faso (Kangoyé *et al.*, 2015a: 621); Cameroon; Central African Republic; Chad; Congo (The Democratic Republic of the); Côte d'Ivoire; Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 147); Ghana; Guinea (Decher *et al.*, 2016: 273); Guinea-Bissau (Veiga-Ferreira, 1949; Lopes and Crawford-Cabral, 1992; Koopman, 1993a; Rainho and Ranco, 2001:64); Kenya; Liberia; Malawi (Happold and Happold, 1997b: 825); Namibia; Nigeria; Rwanda; Senegal; Sierra Leone; Somalia; Sudan; Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 62); Zimbabwe (Cotterill, 2004a: 261).

Bates *et al.* (2013: 339) reject the presence of *N. somalica* in the Republic of Congo as Van Cakenberghe and Happold (2013q: 654) only marked a locality on their map, but did not provide further details.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Tragus: Monadjem *et al.* (2013c: 204) line drawing of tragi of specimen DNSM 12612 from Mount Nimba, Liberia.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003) for the results of a specimen from Kenya.

Karyotype - McBee *et al.* (1987) reported 2*n* = 26, FN = 48, BA = 24, a subtelocentric X chromosome, and an acrocentric Y chromosome.

From Senegal, Koubínová *et al.* (2013: 3) report the following karyotype for 13 ♂♂ and 7 ♀♀: 2*n*: 28, FNa = 50, FN = 54, X = metacentric, Y = submetacentric. There is one additional pair of acrocentric autosomes as compared to specimens from Cameroon. Koubínová *et al.* (2013: 10) assign these Senegalese specimens to *N.* cf. *somalica*.

Protein / allozyme - Unknown.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

Figure 327. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1898.6.9.1, holotype of *Vespertilio* (*minutus*) *somalicus* Thomas, 1901.

HABITAT:
Monadjem *et al.* (2016y: 370) recorded this species from an urban environment in the Mount Nimba area, whereas it is otherwise known from savanna areas.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species. It may be locally rare, or at least rarely recorded (Jacobs, 2008g; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs, 2008g; IUCN, 2009).

PARASITES:
Protozoa
Kassahun *et al.* (2015: 168) examined 6 Ethiopian specimens and found two of them (from Aba-Roba) to be infected by *Leishmania* parasites.

INSECTA:
Siphonaptera: Hastriter (2016: 16) reported *Lagaropsylla consularis* Smit, 1957 from a *N. somalica* specimen from Maji Moto, Kenya.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Chad, Congo (Democratic Republic of the), Côte d'Ivoire, Eritrea, Ethiopia, Ghana, Guinea, Guinea-Bissau,

Kenya, Liberia, Madagascar, Mali, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda, Zimbabwe.

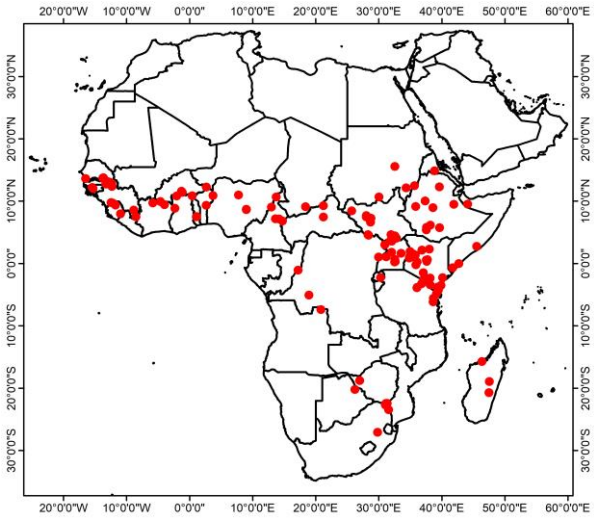

Figure 328. Distribution of *Neoromicia somalica*

Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017

1971. *Eptesicus melckorum:* Hayman and Hill, in: Meester and Setzer, Order Chiroptera., 44. - Comments: in part. (Name Combination)
1987. *Pipistrellus (Neoromicia) melckorum:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52: 249, 274. - Comments: in part. (Name Combination)
1993. *Eptesicus (Neoromicia) melckorum:* Koopman, in: Wilson and Reeder, Order Chiroptera., 202.. - Comments: in part. (Name Combination)
1993. *Pipistrellus cf. melckorum:* Rautenbach, Bronner and Schlitter, Koedoe, 36 (2): 93. (Name Combination)
1995. *Eptesicus cf. melckorum:* Rautenbach, Fenton and Braack, Koedoe, 28: ???. (Name Combination)
2002. *Neoromicia cf. melckorum:* Kearney, Volleth, Contrafatto and Taylor, Acta Chiropt., 4 (1): 58. (Name Combination)
2005. *Neoromica melckorum:* Simmons, in: Wilson and Reeder, Order Chiroptera., 494. - Comments: in part. (Name Combination)
2011. *Neoromicia sp. aff. melckorum:* ACR, African Chiroptera Report 2011. (Name Combination)
*2017. *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, Zootaxa, 4236 (2): 351, 361, figs 2A, 4, 5, 6A, 7,. Type locality: Botswana: Okavango Delta, Chitabe, Gomoti River, Highbanks [19.41979 S 23.40413 E, 950m] [Goto Description]. Holotype: TM 48487: ad ♂, skull and alcoholic. Collected by: Dr. Teresa Catherine Kearney and Ernest Charles James Seamark; collection date: 11 April 2009; original number: ECJS 48/2009. - Etymology: Named in honour of the William ("Bill") T. Stanley (1957 - 2015), who conducted active field and systematic research on African small mammals, particularly in east Africa, until his sudden death. (Current Combination)
2017. *Pipistrellus krugeri* Herkt, Skidmore and Fahr, Global Ecol. Biog., 26 (8): Appendix S9. Publication date: 16 June 2017. - Comments: Herkt *et al.* (2017: Appendix S9) refer to the IUCN (2013) attribute table for the shapefile for "*Pipistrellus melckorum*", which notes "that these records must be referred to *Pipistrellus* sp., which will probably become *Pipistrellus krugeri*". As such, the name has no taxonomic value whatsoever.
? *Eptesicus melckorum subsp.:*
? *Pipistrellus melckorum:*

TAXONOMY:
Bronner *et al.* (2003) state that most previous authors recognised *Eptesicus (=Neoromicia) melckorum* as distinct from *N. capensis* (Roberts, 1951); Ellerman *et al.*, 1953; Hayman and Hill, 1971; Corbet and Hill, 1980; Meester *et al.*, 1986). Koopman (1982), however, questioned the status of *N. melckorum*, since it cannot be clearly distinguished from *N. capensis*. Specimens from the type locality (Kersefontein Farm in the Western Cape Province) are morphologically and karyotypically indistinguishable from *N. capensis*,

but specimens from the Kruger National Park with a unique karyotype (2*n* = 40, aFN = 50) agree with the original description of *melckorum* (Rautenbach *et al.*, 1993; Kearney *et al.*, 2002 for Kersefontein chromosomal data). The Kruger National Park specimens are also well differentiated from *N. capensis* by allozymes (Morales *et al.*, 1991). *Neoromicia melckorum* should thus be synonymised under *N. capensis*, whereas specimens from the Kruger National Park probably represent a distinct species that remained unnamed (Koopman, 1994), and which were referred to as *Neoromicia cf. melckorum*. It seems likely that the Zimbabwe specimens reported by Cotterill (1996a) represent this latter species. Goodman *et al.* (2017a) studied these (and other southern African) specimens and provided a name and description for this taxon: *Neoromicia stanleyi*.

COMMON NAMES:
English: Kruger serotine bat (Taylor, 2005: 305 - first use). French: Pipistrelle des Melcks.

CONSERVATION STATUS:
Global - DD ver 3.1 (2001) assessed as *Pipistrellus melckorum* (IUCN, 2009).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) [assessed as *Neoromicia* cf. *melckorum*] (Taylor *et al.*, 2016c). 2004 - considered a vagrant (*Pipistrellus spp* - Kruger Serotine bat) not assessed, single locality (Friedmann and Daly, 2004).

GENERAL DISTRIBUTION:
Kenya to Zambia and N South Africa (Simmons, 2005). For South Africa, Babiker Salata (2012: 49) found that "*N. melckorum*" has a distribution which is strongly associated with the amount of precipitation in the coldest quarter of the year.

Native: Botswana (Monadjem *et al.*, 2010d: 568); Malawi (Happold *et al.*, 1988: 568); South Africa (Monadjem *et al.*, 2010d: 568); Zambia (Ansell, 1967; Monadjem *et al.*, 2010d: 568); Zimbabwe (Monadjem *et al.*, 2010d: 568).

DETAILED MORPHOLOGY:
Baculum - In general appearance, this is very similar to the bacula of the closely related *N. capensis, N. matroka, N. robertsi* and *N. malagasyensis*. They all have a ventrally deflected tip, with a small dorsally projecting heel. Compared with the one of *capensis*, its longer and has a broader, shorter tip. The lateral tip flanges in *N. stanleyi* are only curved or notched on the distal edge, whereas there are distally and proximally curved edges on the tip flanges of *N. capensis*. The shaft in *stanleyi* is slender and eveny wide from end to end (see Fig. 2 in Goodman *et al.*, 2017a)..

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 40; FN = 50, BA = 12, a metacentric X chromosome, and an acrocentric Y chromosome, for specimens from Zimbabwe and South Africa.
Protein / allozyme - See Morales *et al.* (1991) for results from nine specimens from South Africa.

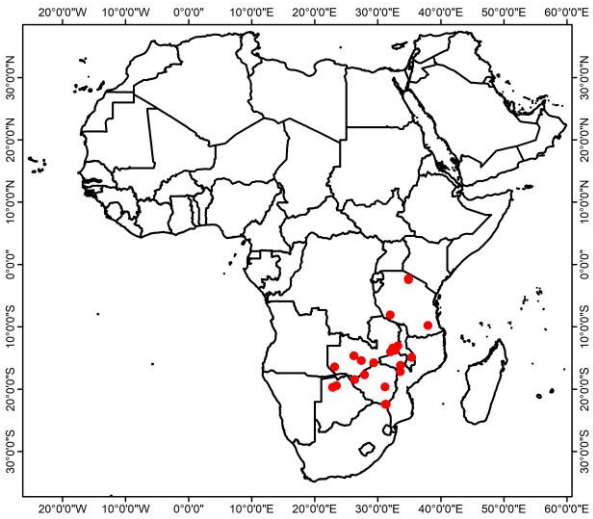

Figure 329. Distribution of *Neoromicia stanleyi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Botswana, Kenya, Malawi, Mozambique, South Africa, Tanzania, Zambia, Zimbabwe.

Neoromicia tenuipinnis (Peters, 1872)

*1872. *Vesperus tenuipinnis* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 263. Publication date: 1872. Type locality: Guinea: "Guinea" [Goto Description]. Holotype: ZMB 4096: ad ♀. Presented/Donated by: Schlegel. See Turni and Kock (2008), who report it as missing. Neotype: DNSM 13235: ad ♂, skull and alcoholic. Collected by: Dr. Ara Monadjem; collection date: 7 January 2012. Neotype designated by Decher *et al.* (2016: 270). Locality: Liberia: base of Mount Nimba: near Yekepa. - Comments: The publication covers a meeting held on 18 April 1872. Kock (1969a: 162) indicated that the type locality quoted by Ellerman *et al.* (1953: 77, Kuilu River, Congo [B]) is an unjustified assumption. - Etymology: From the feminine scientific Latin adjective *tenuipìnnis*, meaning "slender-winged", made up of the Latin adjective *tènuis*, meaning "slender" and the Latin

substantive *pìnna*, meaning "wing": the adjective refers to the slender shape of the wings (see Lanza *et al.*, 2015: 455).

1878. *Vesperugo (Vesperus) tenuipinnis:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 200. (Name Combination)

1889. *Vesperus bicolor* Bocage, J. Sci. mat. phys. nat., ser. 2, 1 (1): 5. Publication date: March 1889. Type locality: Angola: Caconda [13 42 S 15 05 E, 1 900 m] [Goto Description]. Syntype: BMNH 1889.5.1.3: ad ♂, skull and alcoholic. Collected by: José Alberto de Oliveira Anchieta. Syntype: BMNH 1889.5.1.5: ad ♂. - Comments: Bocage (1889a: 6) mentions 2 ♀♀ specimens.

1889. *Vesperus tenuipennis:* Noack, Zool. Jb. Syst., 4: 215, 239, 261. (Lapsus)

1897. *Eptesicus tenuipinnis:* Matschie, Arch. Naturgesch. Berlin, 63 (1): ??. (Name Combination)

1897. *Vesperugo (Vesperus) bicolor:* Trouessart, Catalogus Mammalium tam viventium quam fossilium, fasc. I: 110.

1900. *Vespertilio tenuipennis:* Miller, Proc. Wash. Acad. Sci., 2: 649. Publication date: 28 December 1900. (Lapsus)

1916. *E[ptesicus] bicolor:* Wettstein, Anz. kais. Akad. Wiss., Wien, 53: 201.

1917. *Eptesicus ater* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 443. Publication date: 29 September 1917. Type locality: Congo (Democratic Republic of the): Oriental province: Uele district: Faradje [03 44 N 29 43 E] [Goto Description]. Holotype: AMNH 48988: ad ♂, skin and skull. Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition; collection date: 1 March 1911; original number: 1466. Topotype: AMNH 49423: alcoholic (skull not removed). Collected by: Herbert Lang, James Paul Chapin and The American Museum Congo Expedition.

1923. *Eptesicus tenuipennis:* Kershaw, Rev. Zool. afr., 11 (4): 358. (Lapsus)

1935. *Pipistrellus bicolor:* Monard, Arq. Mus. Bocage, 6: 31.

1936. *Eptesicus bicolor:* St. Leger, Novit. Zool., 40: 79.

1950. *Eptesicus tenuipinnis ater:* Sanborn, Publ. Cult. Comp. Diamantes Angola, Lisboa, 10: ???. (Name Combination)

1952. *Eptesicus tennuipinnis:* Cozens and Marchant, Niger. Fld. , 17 (3): 127. (Lapsus)

1953. *Eptesicus (Eptesicus) bicolor:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 77.

1953. *Eptesicus (Eptesicus) tenuipinnis ater:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 77. (Name Combination)

1953. *Eptesicus (Eptesicus) tenuipinnis tenuipinnis:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 77. (Name Combination)

1953. *Eptesicus (Eptesicus) tenuipinnis:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 77. (Name Combination)

1956. *Ephesicus tenuipinnis:* Theodor, Parasitology, 46: ???. (Lapsus)

1956. *Eptesicus tenuipinnis tenuipinnis:* Eisentraut, Zool. Jb. Syst., 84 (3): 531. (Name Combination)

1987. *Nycterikaupius tenuipinnis:* Menu, Palaeovert., 17 (3): 109. Publication date: 15 November 1987. (Name Combination)

1987. *Pipistrellus (Neoromicia) tenuipinnis:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 282. (Name Combination)

1992. *Pipistrellus tenuipinnis:* Duckworth and Timmins, The bats of Nechisar National Park, 36. (Name Combination)

1993. *Eptesicus (Neoromicia) tenuipinnis:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 218. (Name Combination)

1994. *P[ipistrellus (Neoromicia)] t[enuipinnis] ater:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 117. (Name Combination)

1994. *P[ipistrellus (Neoromicia)] t[enuipinnis] tenuipinnis:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 117. (Name Combination)

1994. *P[ipistrellus (Pipistrellus)] bicolor:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 114.

2002. *Eptesicus tennnuipinnis:* Fenton and Bogdanowicz, Can. J. Zool., 80: 1008. (Lapsus)

2002. *Eptesicus tenuippinis:* Fenton and Bogdanowicz, Can. J. Zool., 80: 1013. (Lapsus)

2006. *Neoromicia tenuipinnis:* Van Cakenberghe, Kearney and Seamark, African Chiroptera

Project, Pretoria, 140 -142. (Name Combination, Current Combination)
2008. *Vesperus hösemanni* Turni and Kock, Zootaxa, 1869: 82. - Comments: Turni and Kock (2008: 82) mention this name as a label name, introduced by Matschie, on ZMB 10096 from Tanzania, Lake Tanganyika, Ujiji, an adult male, skull and alcoholic. Since this name has not been published before, Turni and Kock should be considered the authors.
? *Neoromicia tenuipinnis ater:* (Name Combination)
? *Neoromicia tenuipinnis tenuipinnis:* (Name Combination)

GENERAL COMMENTS:
Bocage (1889a: 6) mentions two female specimens only.

TAXONOMY:
Eptesicus bicolor was tentatively included here by Hayman and Hill (1971: 43), but this may be an older name for *Pipistrellus anchietai*; see Koopman (1975: 404). Koopman (1994: 117) mentions this species in the genus *Pipistrellus*.

Helbig *et al.* (2010: 168) suggest that *tenuipinnis* needs to be transferred to a genus that needs to be newly created or resurrected from the current synonymy.

COMMON NAMES:
Czech: netopýr běloblanný. English: Slender-winged Pipistrelle Bat, White-winged Pipistrelle Bat, White-winged Serotine, White-winged Bat. French: Sérotine à ailes blanches, Pipistrelle à ailes blanches. German: Weißflügel-Zwergfledermaus, Weißflügel Pipistrelle. Italian: Pipistrèllo di Peters. Spanish (Castillian): Murciélago.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Fahr, 2008a; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Pipistrellus tenuipinnis*] (Fahr, 2008a; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Fahr, 2004j; IUCN, 2004). 1996 - LR/lc [assessed as *Eptesicus tenuipinnis*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Fahr, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008a) [in IUCN (2009)] reports that there appear to be no direct conservation measures in place. It is not known if the species is present in any protected areas.

GENERAL DISTRIBUTION:
Neoromicia tenuipinnis is a sub-Saharan species which is widely distributed through West, Central and parts of East Africa. It ranges from Senegal in the west, through West Africa, to Cameroon and Central Africa including much of the Congo basin, into Uganda and East Africa including Ethiopia, Kenya and Tanzania. It has been recorded as far south as southern Democratic Republic of the Congo and northern Angola. It occurs at elevations of up to 3,200 m asl.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 569); Burundi; Cameroon; Central African Republic; Congo (Bates *et al.*, 2013: 337); Congo (The Democratic Republic of the) (Schouteden, 1944; Hayman *et al.*, 1966; Van Cakenberghe *et al.*, 1999; Dowsett *et al.*, 1991: 259; Monadjem *et al.*, 2010d: 569); Côte d'Ivoire; Equatorial Guinea; Ethiopia (Lavrenchenko *et al.*, 2004b: 147); Gabon; Gambia; Ghana; Guinea (Konstantinov *et al.*, 2000: 145); Guinea-Bissau (Rainho and Ranco, 2001: 66); Kenya; Liberia (Monadjem and Fahr, 2007: 50); Nigeria; Rwanda; Senegal; Sierra Leone; Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 62).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Tragus: Monadjem *et al.* (2013c: 204) gives a line drawing of the tragus of specimen DNSM 13235 from Mount Nimba, Liberia.

DETAILED MORPHOLOGY:
Baculum - The basal lobes of *N. tenuipinnis* were long and elongate, terminating in a rounded lobular structure, the total length (1.97 mm), the angle of shaft curvature, measured from mid-shaft to the shaft base, was more acute in *N. tenuipinnis* (43°) than in *N.* cf. *rendalli* (58°) (Monadjem *et al.*, 2013c: 197). Line drawing of dorsal and ventral of specimen DNSM 13235 from Mount Nimba, Liberia are shown in Monadjem *et al.* (2013c: 204). See Hill and Harrison (1987).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - McBee *et al.* (1987) reported 2*n* = 36, FN = 52, BA = 18, a submetacentric X chromosome and an acrocentric Y chromosome.
Protein / allozyme - Unknown.

HABITAT:
In their study at the Mount Nimba area, Monadjem *et al.* (2016y: 370) recorded this species in two small settlements.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator of "*E. tenuipinnis*".

POPULATION:
Structure and Density - This species is rather common in suitable habitat. It is most often found in small groups of fewer than 20 animals (Fahr, 2008a; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, 2008a; IUCN, 2009).

PARASITES:
ACARI
Sarcoptidae: Fain (1959d: 145) described *Notoedres (Notoedres) schoutedeni* from "*Eptesicus tenuipinnis*" and "*E. ater*" from Buta, Stanleyville (=Kisangani), Mauda, and Tshuapa, DRC.

HEMIPTERA
Cimicidae: *Aphrania recta* Ferris and Usinger, 1957, recorded from Sierra Leone (Haeselbarth *et al.*, 1966: 12), and DRC (Kock and Aellen, 1987: 876).

DIPTERA
Streblidae: *Raymondia intermedia* Jobling, 1936 in Sierra Leone (Haeselbarth *et al.*, 1966: 102).
Nycteribiidae: *Basilia ansifera* Theodor, 1956 mainly a West African species, reaching Lake Victoria in the east and Lake Nyasa in the south, nearly all localities lie between 15º latitude north and south (Haeselbarth *et al.*, 1966: 110). *Basilia robusta* Theodor, 1956 (Haeselbarth *et al.*, 1966: 111).

VIRUSES:
In their overview table, Maganga *et al.* (2014a: 8) reported that no viruses were ever found in this bat species.

Coronaviridae
None of the 33 Kenyan bats tested by Tao *et al.* (2017: Suppl.) was positive for CoV.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Burundi, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Sudan, Tanzania, Togo, Uganda.

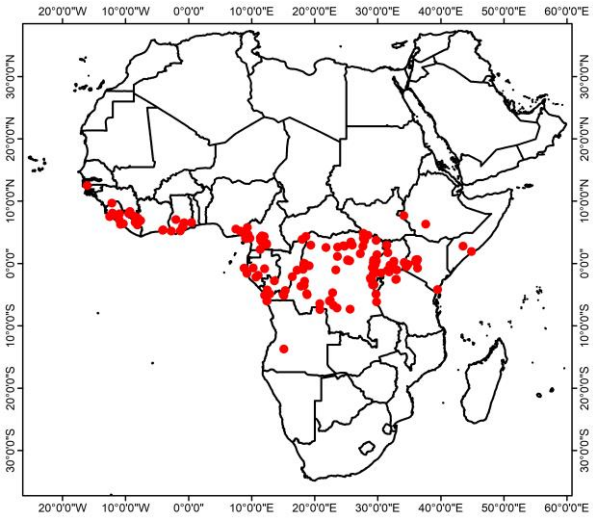

Figure 330. Distribution of *Neoromicia tenuipinnis*

Neoromicia zuluensis (Roberts, 1924)

*1924. *Eptesicus zuluensis* Roberts, Ann. Transv. Mus., 10: 60, text-fig. 1. Publication date: 31 January 1924. Type locality: South Africa: KwaZulu-Natal: White Umfolosi Game Reserve [28 19 S 31 50 E] [Goto Description]. Holotype: TM 3024: ad ♀, skin and skull. Collected by: Austin Roberts; collection date: 29 June 1922; original number: 14. [Second label has G.M. Allen as collector]; note: shot at dusk.
1926. *[Neoromicia] zuluensis:* Roberts, Ann. Transv. Mus., 11: 245. (Name Combination, Current Combination)
1932. *Neoromicia vansoni* Roberts, Ann. Transv. Mus., 15 (1): 15. Publication date: 1 October 1932. Type locality: Botswana: Ngamiland: N of Tsotsoroga Pan: Zweizwe river waterhole [18 36 S 24 22 E] [Goto Description]. Holotype: TM 6553: ad ♀, skin and skull. Collected by: The Vernay-Lang Kalahari Expedition 1930; collection date: 7 July [June on label] 1930; original number: 882.
1934. *Neoromicia pusilla vansoni:* Shortridge, Mammals of South West Africa, 59.
1939. *Eptesicus vansoni:* G.M. Allen, Bull. Mus. comp. Zool., 83: 92.
1951. *Neoromicia zuluensis vansoni:* Roberts, Mammals of South Africa, 85. (Name Combination)
1951. *Neoromicia zuluensis zuluensis:* Roberts, Mammals of South Africa, 84. (Name

Combination)
1953. *Eptesicus (Eptesicus) zuluensis vansoni:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 77. (Name Combination)
1953. *Eptesicus (Eptesicus) zuluensis zuluensis:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 77. (Name Combination)
1953. *Eptesicus (Eptesicus) zuluensis:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 77. (Name Combination)
1962. *[Eptesicus zuluensis] zuluensis:* Meester, Ann. Transv. Mus., 24 (2/3): 242. (Name Combination)
1970. *Eptesicus zuluensis vansoni:* Roer, Bijdr. Dierk., 40 (1): 71. (Name Combination)
1978. *Eptesicus somalicus zuluensis:* Ansell, Mammals of Zambia, 25. (Name Combination)
1984. *Eptesicus (Eptesicus) somalicus zuluensis:* Anciaux de Faveaux, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., 244. (Name Combination)
1987. *Pipistrellus (Neoromicia) zuluensis:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 282. (Name Combination)
1988. *P[ipistrellus] zuluensis:* Thorn, Mammalia, 52 (2): ???. (Name Combination)
1992. *Eptesicus zulensis:* Freitas, Bogo, and Christoff, Z. Säugetierk., 57: 331. (Lapsus)
1994. *P[ipistrellus (Neoromicia)] s[omalicus] zuluensis:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 117. (Name Combination)
2017. *Neoromicia zuluensisin:* Han, Wen, Zhao, Liu, Luo, Zhou, Qin, Zhu, Liu, Qi, Li, Yu, and Yu, Zoonoses Public Health, 64 (5): 643. Publication date: 1 April 2017. (Lapsus)
? *Neoromicia zuluensis:* (Name Combination)

TAXONOMY:

Figure 331. A female *Neoromicia zuluensis* (TM 48097) caught at Lapalala Wilderness Area, Limpopo Province, South Africa.

Bronner *et al.* (2003) state that although Ellerman *et al.* (1953) and Hayman and Hill (1971) recognised *Eptesicus (=Neoromicia) zuluensis* as a distinct species, Koopman (1975, 1982, 1993a), Meester *et al.* (1986) and Corbet and Hill (1992) treated it as a subspecies of *Eptesicus* (=*Pipistrellus*) *somalicus*. Rautenbach *et al.* (1993) confirmed its distinctness from the latter on the grounds of interspecific chromosomal differences.

As a separate species by many authors, e.g. Volleth *et al.* (2001: 44), who assigned it to the genus *Neoromicia*.

COMMON NAMES:
Afrikaans: Aalwyndakvlermuis; Aalwynvlermuis. Czech: netopýr zuluský. English: Zulu Pipistrelle Bat, Aloe Bat, Aloe Serotine, Aloe Serotine Bat, Zulu Serotine Bat. French: Sérotine des aloes, Pipistrelle zouloue. German: Zulu-Zwergfledermaus, Zulu-Pipistrelle.

ETYMOLOGY OF COMMON NAME:
Roberts (1924) collected the original specimen at his camp and records in his description of the species that it was the Cape serotine bat, *N. capensis*, that he found in an aloe. He used the name aloe bat and it has remained associated with *N. zuluensis* (Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs and Cotterill, 2008b; IUCN, 2009).
Assessment History -
2008 - LC ver 3.1 (2001) [assessed as *Pipistrellus zuluensis*] (Jacobs and Cotterill, 2008b; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs and Cotterill, 2004b; IUCN, 2004). 2000 - LR/nt [assessed as *Eptesicus zuluensis*] (Hilton-Taylor, 2000).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016n). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Jacobs and Cotterill, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs and Cotterill (2008b) [in IUCN (2009)] report that it seems probable that this adaptable species is present within a number of protected areas. It has been recorded from Kruger National Park, South Africa. No direct conservation measures are currently needed for the species as a whole.

GENERAL DISTRIBUTION:
Neoromicia zuluensis is widespread in East and southern Africa. The eastern distribution ranges from Ethiopia and South Sudan to Uganda and Kenya. The southern range extends from Zambia and southern parts of the Democratic Republic of the Congo to southern South Africa, and from eastern Angola to central Zambia and Zimbabwe. In the RSA, the species' distribution is linked with land use/land cover (Babiker Salata, 2012: 50).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,198,714 km^2.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d:570); Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 570); Congo (The Democratic Republic of the); Ethiopia (Lavrenchenko *et al.*, 2004b: 153; 2011: 54); Kenya; Malawi (Ansell and Dowsett, 1988: 42); Mozambique (Monadjem *et al.*, 2010d: 570; Monadjem *et al.*, 2010c: 384); Namibia (Monadjem *et al.*, 2010d: 570); South Africa (Monadjem *et al.*, 2010d: 570); Sudan; Swaziland (Monadjem *et al.*, 2010d: 570); Uganda; Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 570); Zimbabwe (Monadjem *et al.*, 2010d: 570).

ECHOLOCATION:
In Waterberg, South Africa, Taylor *et al.* (2013b: 17) recorded the following parameters for 5 calls: F_{max}: 73.8 ± 14.93 (59.1 - 92.8) kHz, F_{min}: 48.1 ± 1.94 (45.7 - 50.5) kHz, F_{knee}: 51.3 ± 2.85 (48.4 - 55.8) kHz, F_{char}: 49.0 ± 1.81 (46.3 - 51.2) kHz, duration: 2.4 ± 0.52 (1.7 - 3.0) msec.
At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 51 (48 - 56) kHz.
Linden *et al.* (2014: 40) reported the following parameters from the Soutpansberg range (RSA): F_{min}: 46 - 50 kHz, F_{char}: 46 - 51 kHz, F_{knee}: 48 - 56 kHz, Slope: 487 - 867 OPS, duration: 2 - 3 msec.

From Swaziland, the following parameters were reported by Monadjem *et al.* (2017c: 179): F_{min}: 46.1 ± 2.82 (39.9 - 45.3) kHz, F_{knee}: 46.6 ± 2.91 (43.3 - 48.5) kHz, F_c: 43.6 ± 3.10 (40.1 - 45.9) kHz and duration: 3.7 ± 0.67 (3.0 - 4.2) msec.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

Figure 332. Clockwise from top lateral, ventral and dorsal skull images of TM 3024, holotype of *Eptesicus zuluensis* Roberts, 1924.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Both Rautenbach *et al.* (1993) and Kearney *et al.* (2002) recorded 2*n* = 28, FN = 48, BA = 22, and a subtelocentric X chromosome. However, as can been seen from Figure 9 in Kearney *et al.* (2002), the FN number was incorrectly reported and should be FN = 50, and BA = 24. Rautenbach *et al.* (1993) also reported an acrocentric Y chromosome. GTG-bands identified three Robertsonian fusion chromosomes (7/11, 8/9, 10,12), considered as distinguishing characters for the genus *Neoromicia* Kearney *et al.* (2002).
Protein / allozyme - See Morales *et al.* (1991) for results from three specimens from South Africa.

HABITAT:
In southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) found that *N. zuluensis* is primarily present in Savanna (81 %) and SW arid (10 %) habitats.

POPULATION:
Structure and Density - In general, this is a locally uncommon species (Jacobs and Cotterill, 2008b; IUCN, 2009).
Trends - 2008- Unknown (Jacobs and Cotterill, 2008b; IUCN, 2009).

VIRUSES:
Coronaviridae - Coronaviruses
The report of a new virus by Ithete *et al.* (2013: 1697) that was closely related to Middle East respiratory syndrome (MERS)-CoV, the host was incorrectly identified and is related to *N. capensis*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Botswana, Ethiopia, Kenya, Malawi, Mozambique, Namibia, Rwanda, South Africa, South Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe.

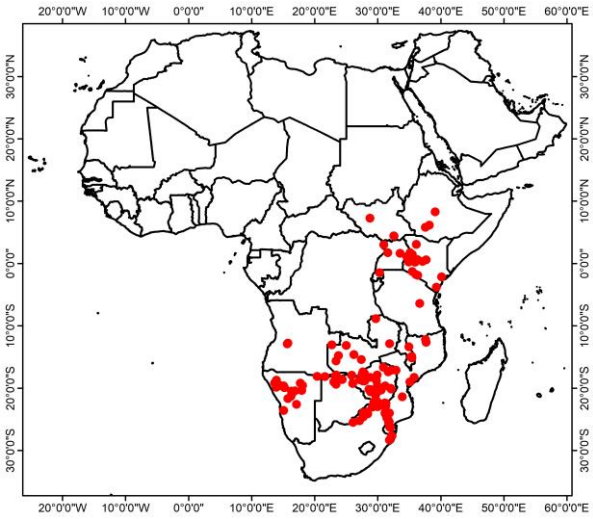

Figure 333. Distribution of *Neoromicia zuluensis*

Neoromicia "incertae-sedis"

1857. *Vespertilio pusillus* Leconte, Proc. Acad. nat. Sci. Philad., 10. Type locality: "Africa": "Western Africa". - Comments: Kock (1969a: 228) indicates that this paper was published in 1858.
1897. *Vesperugo (Vesperus) pusillus:* Trouessart, Catalogus Mammalium tam viventium quam fossilium, fasc. I: 110. (Name Combination)
1929. *Eptesicus pusillus:* Thomas, Proc. zool. Soc. Lond., 101. - Comments: Thomas (1929: 101) assigned this name to Noack. (Name Combination)
1953. *Eptesicus (Eptesicus) pusillus:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 76. (Name Combination)
2013. *Neoromicia* cf. *nana:* Koubínová *et al.*, Front. Zool., 10: 1-48. - Comments: Koubínová *et al.* (2013: 7) found found differences in dipoloid chromosome number and/or in chromosome morphology between the populations from Senegal and other regions in Africa. (Name Combination)
2013. *Neoromicia* cf. *somalica:* Koubínová *et al.*, Front. Zool., 10: 1-48. - Comments: Koubínová *et al.* (2013: 7) found found differences in dipoloid chromosome number and/or in chromosome morphology between the populations from Senegal and other regions in Africa. (Name Combination)
? *Neoromicia "incertae-sedis"* (Current Combination)
? *Neoromicia capensis B:*

TAXONOMY:
Allen (1939a: 86) indicates that *Vespertilo pusillus* might possibly be the same form as *Vesperugo pusillus* Noack, 1887, but that the description is insufficient to identify the species. Ansell (1978: 25) - referring to Rosevear (1962) and Hayman and Hill (1971) - indicates that the status of *pusillus* Leconte is uncertain in relation to *Eptesicus minuta* Temminck, *"Eptesicus" somalicus* and *"Eptesicus" capensis*. Crawford-Cabral (1989) also points out that in southern Africa, *"Eptesicus" zuluensis* might be involved too.

Koopman (1965) and Kock (1969a: 138) consider this name to be indeterminable, and they suggest placing the small northern African *Eptesicus* specimens in the species *guineensis* Bocage, 1889.

According to Kock it is even uncertain that *pusillus* Leconte represents *Eptesicus* [= *Neoromicia* in the current context].

Kock (1969a: 159) also pointed out that the skull of the type of *Vesperugo pusillus* Noack, 1887 actually represents a non-adult *Pipistrellus nanus*.

The fact that *pusillus* Leconte and *pusillus* Noack have been considered synonymys throughout the literature, also render much of the literature data indeterminable, unless these are supported by voucher specimens.

PARASITES:
In their description of the Nematode parasite *Molinostrongylus richardae*, Durette-Desset and Chabaud (1975: 312) also mention an "*Eptesicus pusillus* from Tananarive, Madagascar as an additional host. From the same host (species) and locality, Richard (1966: 413, 419) reported the Trematode *Plagiorchis (Plagiochis) vespertilionis* (Müller, 1784) Braun, 1900 and described another one: *Papillatrium (Papillatrium) inversum*.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Burkina Faso.

Genus ***Nyctalus*** Bowdich, 1825

*1825. *Nyctalus* Bowdich, Excur. Madeira and Porto Santo, 36, and footnote. Publication date: 1825. - Comments: Type species: *Nyctalus verrucosus* Bowdich, 1825 (=*Vespertilio leisleri* Kuhl, 1817). - Etymology: From the Greek "*νυκταλός*" (="*νυσταλός*"), meaning drowsy, referring to its crepuscular habits (see Palmer, 1904: 464). From the Greek "*nyctos*" meaning night and "*ala*" meaning wing (see Kapteyn, 1995: 115). (Current Combination)

1829. *Pterygistes* Kaup, Skizzierte Entwicklungs-Geschichte Natürliche Systematik der Europäische Thierwelt, 1: 90. Publication date: 1829. - Comments: Type species: *Vespertilio noctula* Schreber, 1774. - Etymology: From the Greek "*πτερυγίζω*", meaning to flutter, referring to the manner of flight (see Palmer, 1904: 596).

1839. *Vesperugo* Keyserling and Blasius, Arch. Naturgesch. Berlin, 5 (1): 312. Publication date: 1839. - Comments: In part (see Allen, 1939a: 92; Pavlinov *et al.*, 1995: 104). Included 13 species now referred to *Eptesicus, Pipistrellus, Neoromicia, Hypsugo*.

1842. *Noctulinia* Gray, Ann. Mag. nat. Hist., [ser. 1], 10 (65): 258. Publication date: 1 December 1842. - Comments: Mentioned as "in part" by Allen (1939a: 92). Contained two species (*Noctulinia proterus* Kuhl, 1818 =*Nyctalus noctula* Schreber, 1774, and *N. fulvus* Grey, 1843 =*Scotophilus kuhlii* Leach, 1821; see Allen (1939a: 92), one a synonym of *Vespertilio noctula* Schreber, 1774 (see Corbet and Hill, 1992: 143). - Etymology: From the Latin of, or belonging to night (from "*noctus*" = "*nox*", meaning night), referring to the animal's crepuscular habits (see Palmer, 1904: 461).

1856. *Panugo* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (2): 131. Publication date: 1856. - Comments: Type species: *Vespertilio noctula* Schreber, 1774 and *Vespertilio leisleri* Kuhl, 1817.

1914. *Noctulinia* Cabrera, Fauna Ibérica, 123. - Comments: (also mentioned by Allen (1939a: 92), Corbet (1978: 54), and Simmons (2005))?.

2002. *Nyctalis:* Sheshurak and Kedrov, Plecotus et al., pars spec.: 62. (Lapsus)

? *Noctulina* Macalister, Ann. Mag. nat. Hist., ser. 4, 9 (53): 402. Publication date: 1 May 1872.

TAXONOMY:
Species referred by Koopman (1994) in the *Stenopterus* group are placed into *Pipistrellus* by Corbet and Hill (1992) and Hoofer and Van Den Bussche (2003: 38). Whereas Simmons (2005) placed it as a subgenus of *Hypsugo*.

Known species of the genus *Nyctalus*: ***azoreum*** Thomas, 1901; ***lasiopterus*** Schreber, 1780; ***leisleri*** Kuhl, 1817; *noctula* Schreber, 1774.

COMMON NAMES:
Czech: lesní netopýři (lesní létači). English: Noctules, Noctule Bats. French: Noctules, Chauves-souris à nez large. German: Abendsegler.

GENERAL DISTRIBUTION:
Species of the genus *Nyctalus* are distributed across the entire Palaerctic region, and enter only marginally into the Indomalay region (Koopman, 1994; Simmons, 2005)

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa".

Nyctalus azoreum (Thomas, 1901)

*1901. *Pterygistes azoreum* Thomas, Ann. Mag. nat. Hist., ser. 7, 8 (43): 33. Publication date: 1 July 1901. Type locality: Azores (Portugal): St. Michael [Goto Description]. Holotype: BMNH 1865.10.2.1: ♂. Collected by: Frederick DuCane Godman Esq. Presented/Donated by: Frederick DuCane Godman Esq. - Etymology: The name refers to

the Island group where the species occurs.
? *Nyctalus azoreum:* (Name Combination, Current Combination)
? *Nyctalus leisleri azoreum:* (Name Combination)

TAXONOMY:
Listed as a subspecies of *N. leisleri* by Corbet (1978) and Koopman (1994: 118). But recognised as a species by Palmeirim (1991), Koopman (1993a: 216), Horácek *et al.* (2000: 133), Salgueiro *et al.* (2004: 3357), Simmons (2005: 471), Salgueiro *et al.* (2006: 169) and Salgueiro *et al.* (2008: 1163; 2010: 26).

COMMON NAMES:
Czech: netopýr azorský. Dutch: Azorenvleermuis. English: Azores noctule. French: Noctule des Açores. German: Azoren-Abendsegler. Portuguese: Morcego dos Açores.

SIMILAR SPECIES:
Salgueiro *et al.* (2010: 26) provide a summary of the differences between *N. azoreum* and its closest relative *N. leisleri*. *N. azoreum* is darker and considerably smaller. It is also present in a broader ecological niche, occupying a variety of roosts like buildings, coastal cliffs and trees, whereas *leisleri* is primarily a tree dweller. Finally, it has an echolocation call with a higher peak frequency than its continental counterpart, and it is often active during the day.

CONSERVATION STATUS:
Global - Endangered (EN) (Conenna *et al.*, 2017: Suppl.)

Assessment History -
1994 - VU A2c, B1+2c ver 2.3 (1994).

MAJOR THREATS:
Sherwin *et al.* (2012: 174) identified the small distribution range, the species's aerial hawking feeding style and its long-distance dispersal to be the major risk factors linked with climatic change.

GENERAL DISTRIBUTION:
Nyctalus azoreum is endemic to the archipelago of the Azores, where it is present on seven of the nine islands (Rainho, 2017: 161).

Native: Azores (Palmeirim, 1991; Koopman, 1993a: 216; Speakman and Webb, 1993; Horácek *et al.*, 2000: 133; Salgueiro *et al.*, 2004: 3357; Simmons, 2005: 471; Salgueiro *et al.*, 2006: 169; Salgueiro *et al.*, 2008: 1163).

BIOGEOGRAPHY:
Molecular data suggest that *N. azoreum* originated from a European population of *N. leisleri*, and that the colonisation of the Azores occurred at the end of the Pleistocene (Salgueiro *et al.*, 2006). Salgueiro *et al.* (2006) suggest the minimum divergence time of insular (Azores) and continental lineages is comprised between 0 and 55,000 years BP. This corresponds roughly to a late Pleistocene/Holocene divergence, which is consistent with previous estimates based on demographic parameters (12,000 and 25,000 years BP) calculated by Salgueiro *et al.* (2004). As humans only colonized the Azores less than 600 years ago, molecular estimates of divergence times suggest that the first bats which arrived on the archipelago were unlikely to be brought by man (Salgueiro *et al.*, 2006).

MOLECULAR BIOLOGY:
Moussy *et al.* (2012: 188), referring to Salgueiro *et al.* (2004; 2008), indicate that *N. azoreum* is one of the species that shows significant genetic differentiation and/or haplotype segregation between islands or groups of islands but not within them.

Boston *et al.* (2015) examined the mitochondrial DNA of *N. azoreum* and *N. leisleri* and found that two separate lineages were present and that *N. azoreum* forms one lineage with *N. leisleri* from Britain and Ireland, whereas the second lineage consists of continental European *N. leisleri*.

HABITS:
Speakman and Webb (1993: 28) refer to Moore (1975) to point out that *N. azoreum* is one of those exceptional bats, which fly during the day. Irwin and Speakman (2003: 185) furthermore found that *N. azoreum* clusters when emering from their roosts. This was quite unexpected as no flying predators are present on the Azores which could capture bats while leaving the roosts.

POPULATION:
Based on a survey, conducted in September-October 1988, Speakman and Webb (1993: 27) estimated the population of *N. azoreum* to consists of between 1,750 (from daytime activity) and 23,650 (from nighttime activity) animals. The latter figure would lead to a population density of 1 bat per 10 ha.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Azores (Portugal), Portugal.

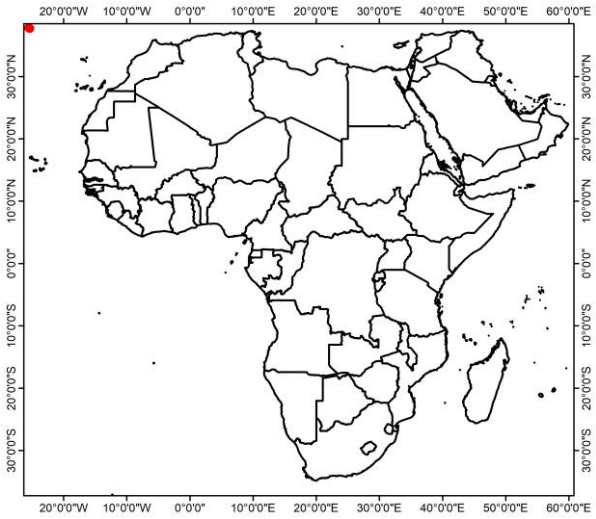

Figure 334. Distribution of *Nyctalus azoreum*

Nyctalus lasiopterus (Schreber, 1780)

*1780. *Vespertilio lasiopterus* Schreber, in: Zimmerman, Geographische Geschichte der Mensch und Vierfussige Thiere, 2: 412. Type locality: Italy: Northern Italy. - Comments: The type locality indication as "Northern Italy" is uncertain. Horácek *et al.* (2000: 132) mention "? Pisa". - Etymology: From the Greek "*lasios*", meaning hairy and "*pteros*", meaning wing (see Kapteyn, 1995: 154).

1827. *Vespertilio ferrugineus* Brehm, Ornis, 3: 26. Type locality: Germany: Thuringia: Renthendorf.

1868. *V[espertilio noctula] var. sicula* Mina-Palumbo, Cat. Mammif. della Sicilia, 13. Type locality: Italy: Sycily: Le Madonie. - Comments: For restriction to "Le Madonie" see Miller (1913: 80). - Etymology: From the Latin "*siculus*" for Sicily (see Kozhurina, 2002: 18).

1869. *Vesperugo noctula var. maxima* Fatio, Faune des Vertébrés de la Suisse, 1: 57. Type locality: Switzerland: Uri: Amsteg.

2002. *Nyctalus lasiopetrus:* Monsalve, Almenar, Alcocer and Monsorio, Sedeck, 4: 24. (Lapsus)

? *Nyctalus lasiopterus:* (Name Combination, Current Combination)

TAXONOMY:
Reviewed by Corbet (1978: 55 - 56). See Simmons (2005: 471)

COMMON NAMES:
Catalonian (Spain): Rat penat nóctul gran. Croatian: Veliki vecernjak. Czech: netopýr obrovský. Dutch: Grote rosse vleermuis. English: Giant Noctule Bat, Giant Noctule, Greater Noctule Bat, Greater Noctule. French: Grande Noctule, Noctule géante. German: Riesen Abendsegler, Riesenabendsegler, Groß-abendsegler. Hungarian: Nycteris pterygisti i megali. Italian: Nottola gigante. Portuguese: Morcego-arborícola-gigante. Roman: Sgolanotg gigant. Romanian: Liliacul mare de amurg. Russian: Гигантская вечерница, (Gigantskaya vechernicha). Slovakian: Raniak obrovský. Spanish (Castillian): Nóctulo gigante, Nóctulo Grande.

CONSERVATION STATUS:
Global - Deforestation, particularly the loss of old trees, is a problem in many parts of the range and is likely to be causing a population decline. The range is fragmented and the colonies tend to be mainly small. Although there are no precise figures on population decline it seems reasonable to list this species as Near Threatened (NT ver 3.1 (2001)) given what is currently known about the threats, the population numbers and the range. Almost qualifies as VU under criteria A4c (Hutson *et al.*, 2008a; IUCN, 2009).

Assessment History -
2008 - NT ver 3.1 (2001) (Hutson *et al.*, 2008a; IUCN, 2009). 1996 - LR/nt ver 2.3 (1994).

MAJOR THREATS:
Little is known about potential threats, but loss of mature woodland and loss of or disturbance to roost sites (in old trees and buildings) may have a negative impact on the species. Some individuals were found dead at wind farms in Spain (J.T. Alcalde *pers. comm.*, 2006 in Hutson *et al.* (2008a)

in IUCN (2009)), and all pups were found dead in 2005 at one of the two known colonies in Spain (located in a city park). The cause of these deaths was not known (J.T. Alcalde *pers. comm.,* 2006 [in Hutson *et al.* (2008a) in IUCN (2009)]). In Spain cutting of old trees, which are used as roosts, is a threat (Hutson *et al.*, 2008a; IUCN, 2009).

Small distribution range, cave/tree roosting, and the aerial hawking feeding style were considered to be risk factors linked with climatic change by Sherwin *et al.* (2012: 174).

CONSERVATION ACTIONS:
Hutson *et al.* (2008a) [in IUCN (2009)] report that it is protected by national legislation in most range states. There are also international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern Convention, in parts of its range where these apply. It is included in Annex IV of EU Habitats and Species Directive. No specific conservation actions are known. It occurs in a number of national parks and protected areas within its range (K. Tsytsulina *pers. Comm.,* 2005). However, in Spain the two known colonies are outside protected areas (J.T. Alcalde *pers. Comm.,* 2006). More information is needed on population size and trends, ecology, and potential threats.

GENERAL DISTRIBUTION:
Nyctalus lasiopterus has a very scattered distribution through central and southern Europe (Iberia to the Balkans, Urals) and north Africa (Morocco [only three records in northwest Morocco, the first of which was reported as *N. noctula* by Laurent (1937d), but see Palmeirim (1982: 402)], Libya [five records in Cyrenaica], and possibly Algeria [possibly one record in Algeria identified as *Nyctalus noctula* by Loche (1867), the specimen is lost]). There are an increasing number of records from Turkey (Karatas *et al.*, 2007). Outside the Mediterranean region the range extends eastwards through Asia Minor to the Caucasus, northern Iran, Kazakhstan and the Urals in Russia. Of the Mediterranean islands, recorded on Sicily. Until 1999, it had been recorded in 120-130 localities in Europe (Benzal, 1999). It occurs up to 1,900 m in Switzerland
Native: Azerbaijan; Belarus; Bulgaria; Cyprus (Benda *et al.*, 2007: 71); Croatia; Czech Republic; France; Georgia; Germany; Gibraltar; Greece; Hungary; Iran, Islamic Republic of; Italy (Sicilia); Kazakhstan; Libyan Arab Jamahiriya; Macedonia, the former Yugoslav Republic of; Moldova; Monaco; Morocco (El Ibrahimi and Rguibi Idrissi, 2015: 363); Poland; Portugal; Romania; Russian Federation; Slovakia; Slovenia; Spain; Switzerland; Turkey; Turkmenistan; Ukraine.
Presence uncertain: Algeria; Andorra; Bosnia and Herzegovina; Uzbekistan.

ECHOLOCATION:
Walters *et al.* (2012: suppl.) report the following figures for 26 calls (22 sequences) from French bats: duration: 22.87 ± 2.92 msec, F_{max}: 17.00 ± 4.68 kHz, F_{min}: 13.28 ± 1.55 kHz, bandwidth: 3.72 ± 3.24 kHz, F_{peak}: 14.29 ± 1.66 kHz.

MOLECULAR BIOLOGY:
Karyotype - Arslan and Zima (2014: 12) reported $2n$ = 42, FNa = 50, FN = 54, a medium-sized metacentric X, and a small acrocentric Y. The autosomal complement contains four large metacentric, one small submetacentric and 15 acrocentric autosomal pairs.

ROOST:
The only specimen found in a roost in Libya by Benda *et al.* (2014c: 87) was in a fist-sized hole in an overhang, some 6 m above the ground. This represented the first non-tree roost site found for this species.

DIET:
In Russia, Smirnov and Vekhnik (2013: 207) found that the diet of *N. lasiopterus* included the following orders of insects: Orthoptera, Coleoptera, Lepidoptera, Diptera, Homoptera, and Neuroptera. They also found an amount of feathers: Out of 14 fecal pellets, the feathers made up 80 - 90 % of the total fecal volume in six pellets, 50 - 60 % in three pellets, 20 - 40 % in four pellets, and less than 10 % in one pellet.

Andreas (2010: 266) referred to three hypotheses concerning the occurrence of feathers in the bat's feaces: "The first possibility was that *N. lasiopterus* is not able to distinguish between flying feathers and its usual preys and eats a lot of this indigestible material. The second possibility was that *N. lasiopterus* regularly feeds on birds and consumes prey that can represent some 30 % of its body weight on the wing. The third possibility can be a predation in tree hollows.", of which Popa-Lisseanu *et al.* (2007: 1) proved the second to be correct, especially during the migration season of the small passerine birds. Benda *et al.* (2012a: 455) furthermore indicate that carnivory is probably a local and/or seasonal phenomenon.

Digestive tracts from five bats collected in Cyrenaica, Libya, contained moths, carabid beetles, heteropterans, neuropterans, and cockroaches (Benda *et al.*, 2014c: 93). 30 faecal pellets from Cyprus contained mainly Hymenoptera, Auchenorrhyncha and Scarabaeid beetles, and also some moths and heteropterans Andreas (2010: 266).

POPULATION:
Structure and Density - The patchy distribution and low population density in most of range suggest a relatively small global population. Breeding colonies are typically small (up to 35 females), and few are known. Only two larger-sized (50 - 100 females) breeding colonies are known in the world. It is rare throughout the range in the Russian Federation (K. Tsytsulina *pers. comm.,* in Hutson *et al.*, 2008a) [in IUCN, 2009)]). There is a strong population in northern Hungary (Hutson *et al.*, 2008a; IUCN, 2009).
Trend - 2008 - Decreasing (Hutson *et al.*, 2008a; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Tuttle and Stevenson (1982: 123) indicate that females are sexually mature at about four months, and males at about 16 months.
From Japan, Maeda (1972: 270) reported that in captivity, young were born between 26 June and 13 July. Six of the nine captive females had two young each, while the others had one. The dissection of 10 free-living females indicated that seven had twin embryos (one in each uterine horn). Of the fifteen young born in the laboratory, 10 were females, but of eight embryos from free-living females, five were males. This resulted in an overall sex ratio (♂/♀) of 0.77.

POSTNATAL DEVELOPMENT:
Maeda (1972: 272 - 276) reported that twin young were born either naked or with very few hairs on their backs, whereas single young had scattered, thin hairs. The body hair starts to grow from the dorsal side of the rump to the head and to the ventral sides, and reaches the same length as in the adults at about 40 days, but its colour is still darker. For singletons, the eyes opened after four to seven days, but in twins this happened only after seven to 11 days. In some animals there were four days between the opening of one of the eyes and the second. The body size of the single youngs was larger than for twins. Single young grew up to become larger adults. At birth, the young's hind foot already measured 83 % of the adult size, and their thumbs were 77 % of the adult size, whereas the forearm length was only 36 %, and the fingers were even smaller (23, 24 and 27 % respectively for fingers 3, 4 and 5). At 40 to 45 days, the forearm reaches almost adult size. For the fifth finger, this takes 45 to 50 days and for the third and fourth fingers, this is 50 to 55 days. The hind feet and thumbs were almost fully grown after 20 to 28 days. The body weight increases to about 22 to 30 grams at about 30 days after birth and then decreases until the young starts to feed itself. The young started to fly between 40 and 45 days of age.

VIRUSES:
Coronaviridae
Alphacoronavirus
Kohl and Kurth (2014: 3112) report this virus from bats in Spain.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Morocco.

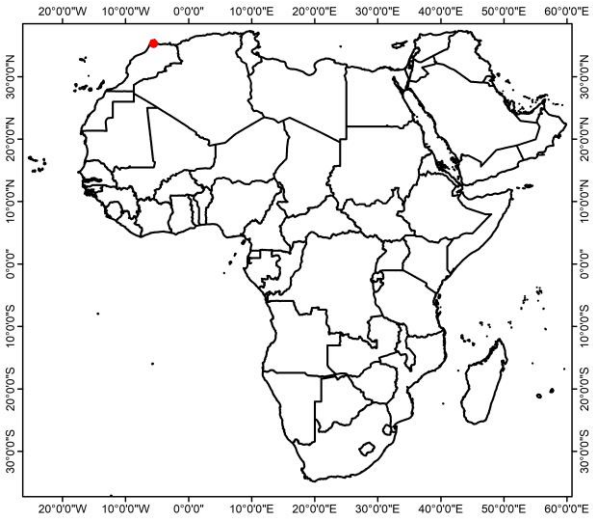

Figure 335. Distribution of *Nyctalus lasiopterus*

Nyctalus leisleri (Kuhl, 1817)

*1817. *Vespertilio Leisleri* Kuhl, Die Deutschen Fledermäuse, Hanau, 14, 46. Type locality: Germany: Hessen: Hanau [50 07 N 08 56 E]. Syntype: ZMB 471: skin and skull. See Turni and Kock (2008). Syntype: ZMB 472: skull only. See Turni and Kock (2008). - Comments: Koopman (1992) mentions 1817 as year of publication. Corbet and Hill (1992: 144), however, mention "1819: 46". Baagøe (2001: 90) mentions 1818. - Etymology: In honour of Philipp Achilles Leisler (1772 - 1813) (see Kozhurina, 2002: 16).
1819. *Vespertilio dasykarpos* Kuhl, Die Deutschen Fledermäuse, Hanau, 49. - Comments: Alternative for *leisleri*: see Ellerman and Morrison-Scott (1951: 159).
1825. *Nyctalus verrucosus* Bowdich, Excur. Madeira and Porto Santo, 36, and footnote. Publication date: 1825. Type locality: Madeira (Portugal): "Madeira" [32 44 N 15 58 W] [Goto Description].
1839. *Vespertilio pachygnathus* Michahelles, in: Wagner, Schreber's Säugeth, Suppl. 1: pl. 55b. Type locality: Croatia: Dalmatia.

1906. *Pterygistes madeiræ* Barrett-Hamilton, Ann. Mag. nat. Hist., ser. 7, 17 (97): 98. Publication date: 1 January 1906. Type locality: Madeira (Portugal): "Madeira" [32 44 N 15 58 W] [Goto Description]. Holotype: BMNH 1907.1.1.392: ♀, skull and alcoholic. - Comments: Type specimen procured by Mason, nr 1 Tomes collection (see Barrett-Hamilton, 1906: 99).

? *Nyctalus leisleri:* (Name Combination, Current Combination)

TAXONOMY:
Includes *verrucosus*, see Corbet (1978: 55), who also included *azoreum*; but see Palmeirim (1991) and Salgueiro *et al.* (2006). Based on mitochondrial DNA, Boston *et al.* (2007: 120) indicate that Irish populations belong to the same lineage as *azoreum* and differ from *leisleri* in the rest of Europe, but this is not confirmed by Boston *et al.* (2008).

Simmons (2005: 472) recognises *verrucosus* Bowditch, 1825 as a valid subspecies.

COMMON NAMES:
Albanian: Noktule e Leisler-it. Basque: Leisler gau-saguzar. Catalonian (Spain): Rat penat nóctul petit. Croatian: Mali vecernjak. Czech: netopýr stromový, nedopír chlupatopěstný, nedopír chlupatopestrý, netopýr Leislerův, letouň lesní. Danish: Leisler's flagermus. Dutch: Bosvleermuis. English: Leisler's Bat, Lesser Noctule Bat, Lesser Noctule, Leisler's Noctule. French: Noctule de Leisler, Petite Noctule. Gallician (Spain): Morcego de Leisler. German: Kleine Abendsegler, Kleiner Abendsegler. Greek: Μικρονυκτοβάτης. Hungarian: szoröskarú denevér, Nycteris pterygisti i mikra. Italian: Nottola di Leisler. Macedonian: Shumski Vechernik. Portuguese: Morcego-arborícola-pequeno. Roman: Sgolanotg pitschen. Romanian: Liliac-mic-de-amurg. Russian: Малая вечерница, (Mapaya vechernicha). Spanish (Castillian): Murciélago nocturno, Noctulo de Leisler, Nóctulo menor, Nóctulo pequeño. Swedish: Leislers fladdermus.

CONSERVATION STATUS:
Global - The species is widespread and abundant, and there is no evidence of current significant population decline. Consequently, it is assessed as Least Concern LC ver 3.1 (2001) (Hutson *et al.*, 2008l; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Hutson *et al.*, 2008l; IUCN, 2009). 1996 - LR/nt ver 2.3 (1994).

MAJOR THREATS:
Threats include disturbance to and destruction of roosts in trees and buildings, and loss or degradation of foraging habitat. However, these are not thought to be major threats at present (Hutson *et al.*, 2008l; IUCN, 2009).

The major risk factors related to climatic change were identified by Sherwin *et al.* (2012: 174) as being cave/tree roosting and aerial hawking.

CONSERVATION ACTIONS:
Hutson *et al.* (2008l) [in IUCN (2009)] reported that it is protected by national legislation in most range states. There are also international legal obligations for its protection through the Bonn Convention (Eurobats) and Bern Convention, in parts of its range where these apply. It is included in Annex IV of EU Habitats and Species Directive, and there is some habitat protection through Natura 2000. It occurs in protected areas throughout its range. No specific conservation actions known.

GENERAL DISTRIBUTION:
Nyctalus leisleri is largely a western Palaearctic species (Europe and north-west Africa), with scattered records in the western parts of the eastern Palaearctic (Pakistan, Afghanistan, the Himalayas). It is widely distributed in Europe from southern Scotland and Ireland more or less along southern edge of the Baltic Sea south and parts of Mediterranean coast to western Russia. It is present on Madeira and the Canary Islands (on Tenerife and La Palma only) but absent from southwestern Italy and Sicily, eastern Spain, most of Fennoscandia and northern Russia. In North Africa it is recorded from Mediterranean montane Morocco and Algeria and there is one record from Cyrenaica (Libya). It occurs from sea level to 2,400 m.
Native: Afghanistan; Albania; Algeria (Hanák and Gaisler, 1983: 585; Gaisler, 1984: 89); Andorra; Armenia; Austria; Azerbaijan; Belarus; Belgium; Bosnia and Herzegovina; Bulgaria; China; Croatia; Cyprus (Benda *et al.*, 2007: 71); Czech Republic; France (Corse); Georgia; Germany; Gibraltar; Greece; Hungary; India; Iran, Islamic Republic of; Ireland; Italy; Kazakhstan; Latvia; Libyan Arab Jamahiriya (Hanák and Gaisler, 1983: 585); Liechtenstein; Lithuania; Luxembourg; Macedonia, the former Yugoslav Republic of; Moldova; Montenegro; Morocco (Benda *et al.*, 2004d; 2010a: 158; El Ibrahimi and Rguibi Idrissi, 2015: 363); Netherlands; Pakistan; Poland; Portugal (Madeira); Romania; Russian Federation; Serbia; Slovakia; Slovenia; Spain (Canary Is.); Sweden; Switzerland; Turkey; Ukraine; United

Kingdom.

BIOGEOGRAPHY:
Molecular data suggest that *N. leisleri* from the Canary Islands probably came from North Africa (Morocco) population (Salgueiro *et al.* (2006).

DENTAL FORMULA:
Matthews (1950: 12) describes the milk dentition, consisting of two trilobed incisors, one canine with one large central lobe and two very small lateral lobes, and two trilobed premolars in the upper cheek. The lower cheek contains two trilobed incisors and one bilobed one, a well developed, trilobed canine, and two trilobed premolars (but the posterior lobe of the second one is very much reduced).

ECHOLOCATION:
For 6 Greek specimens, Papadatou *et al.* (2008b: 132) report a start frequency of 47.5 ± 3.67 kHz, a terminating frequency of 27.0 ± 1.10 kHz, a peak frequency of 31.7 ± 0.87 kHz, and a bandwidth of 12.3 ± 2.96 kHz. The duration of the call is 4.2 ± 1.30 msec, and the interpulse interval is 153.4 ± 62.36 msec.
Walters *et al.* (2012: suppl.) present the following numbers for 76 calls from bats from France, Greece, Switzerland and the UK: duration: 9.39 ± 3.86 msec, F_{max}: 42.20 ± 14.77 kHz, F_{min}: 25.75 ± 2.75 kHz, bandwidth: 16.45 ± 12.45 kHz, F_{peak}: 28.61 ± 5.27 kHz.

Benda *et al.* (2012a: 183) present two series of data for specimens from Iran: **1**: F_{start}, 47.4 ± 4.2 (41.7 - 56.2) kHz, F_{end}: 30.3 ± 0.8 (28.7 - 31.3) kHz, F_{peak}: 34.0 ± 1.1 (31.2 - 35.2) kHz, duration: 3.8 ± 1.1 (2.6 - 6.8) msec, and interpulse interval: 112.8 ± 63.2 (48.2 - 262.9) msec; **2** (hand released): F_{start}: 43.3 ± 2.7 (40.4 - 46.7) kHz, F_{end}: 26.3 ± 0.8 (24.8 - 26.8) kHz, F_{peak}: 28.4 ± 0.4 (28.0 - 28.9) kHz, duration: 6.1 ± 0.3 (5.7 - 6.5) msec, and interpulse interval: 106.2 ± 2.0 (104.9 - 109.3) msec.

MOLECULAR BIOLOGY:
Karyotype - Arslan and Zima (2014: 12) reported $2n$ = 44 + Bs, FNa = 50, FN = 54, a medium-sized metacentric X, and a dot-like acrocentric Y. The autosomal component consists of three large metacentric, one small submetacentric and 17 acrocentric autosomal pairs. They also indicate that this set can also include 1 to 3 dot-like supernumerary chromosomes (Bs). In one Turkish male, Arslan and Zima (2014: 12) furthermore found a dot-like supernumerary chromosome, leading to $2n$ = 45.

Molecular analyses performed by Boston *et al.* (2015: 1) revealed that two distinct mitochondrial DNA lineages are present: an eastern lineage of *N. leisleri* distributed throughout continental Europe and a western lineage, including *N. leisleri* from Ireland and Britain, but also *N. azoreum* from the Azores.

HABITAT:
In Switzerland, Szentkuti *et al.* (2013: 110) found that foraging *N. leisleri* selected deciduous woodlands over other habitat types (pasture, confirous forest and settlements). They also reported that the bat's nightly mean (± SE) distance travelled was 1,969 ± 1,754 m, and that the maximum distance between the most distant location and the previous roost was on average (4,678 ± 1,082; 1,080 - 13,614 m).

ROOST:
In southern Switzerland, Spada *et al.* (2008: 81) found that *N. leisleri* prefers to roost in live chestnut trees (*Castanea sativa*), with large diameter and in absence of vegetation near the entrance.

DIET:
Kanuch *et al.* (2005: 253) identified seven orders of insects in 154 faecal pellets examined from Slovakian bats. These belonged to the Aphididae (Homoptera), Heteroptera, Chrysopidae (Neuroptera), Coleoptera, Ichneumonidae and Formicidae (Hymenoptera), Lepidoptera, Nematocera and Brachycera (Diptera). The most important group (in both frequency [100 %] and volume [55.7 %]) were Lepidoptera.
Benda *et al.* (2012a: 460 - 461) indicate that European studies showed that this species' diet is relatively variable depending on the foraging habitat. In forests, Lepidoptera and nematoceran Diptera are most often present, whereas in the landscapes with a larger proportion of pastures the dung flies (Scatophagidae) and scarabaeid beetles were more significantly represented. Other groups that were present include Trichoptera, Neuroptera, and Hymenoptera. In more arid habitats in the Middle East, Hymenoptera (Formicoidea), Trichoptera, and Coleoptera (namely Carabidae and Curculionidae) are the main groups present in the diet.

POPULATION:
Structure and Density - It is widespread although patchily distributed in Europe. Common in parts of range (e.g., Ireland), scarce in other parts (Stebbings and Griffith, 1986). Local extinctions have been reported for the central part of Russian Federation (K. Tsytsulina *pers. comm.* 2005), although the species remains common in other parts of Russia and the Caucasus (S. Kruskop *pers. comm.,* 2005). In North Africa it is limited by the distribution of suitable habitat, but is particularly abundant in Djurdjura, NE Algeria

(Hutson *et al.*, 2008l; IUCN, 2009).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 16 years.

PARASITES:
The Nematode *Molinostrongylus vespertilionis* Morosov and Spassky, 1961 was reported by Genov *et al.* (1992) from Hungary, Moldova and Ukraine.

Estrada-Peña and Sanchez (1988: 305) described *Steatonyssus (Steatonyssus) balcellsi* from a *N. leisleri* specimen from Frontera, Canary Islands.

In Slovakia, Kanuch *et al.* (2005: 252) reported the presence of the following ectoparasites: mites: *Steatonyssus spinosus* (family Dermanyssidae), *Macronyssus flavus* (Macronyssidae), *Spinturnix helvetiae* (Spinturnicidae); fleas: *Ischnopsyllus intermedius, I. variabilis* (Ischnopsyllidae); and flies: *Nycteribia latreillii, N. (Acrocholidia) vexata* (Nycteribiidae). They found that 100 out of 177 (56.5 %) of the examined bats carried at least one parasite, but only 15.3 % of these had two different species of parasites. Only *S. spinosus* and *S. helvetiae* were found abundantly (resp. 31.3 and 55.4 %), all other species occurred on less than 5 % of the bats.

VIRUSES:
Coronaviridae
Alphacoronavirus
This virus was reported from bats from Germany by Kohl and Kurth (2014: 3112).
Betacoronavirus
The virus was reported by Kohl and Kurth (2014: 3112) from Bulgaria and Germany.

Orthomyxoviridae
Despite sampling and testing of 64 individuals of this species, no evidence of influenza A-like viruses (*Orthomyxoviridae*) were obtained (Fereidouni *et al.*, 2015).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Azores (Portugal), Madeira (Portugal), Morocco.

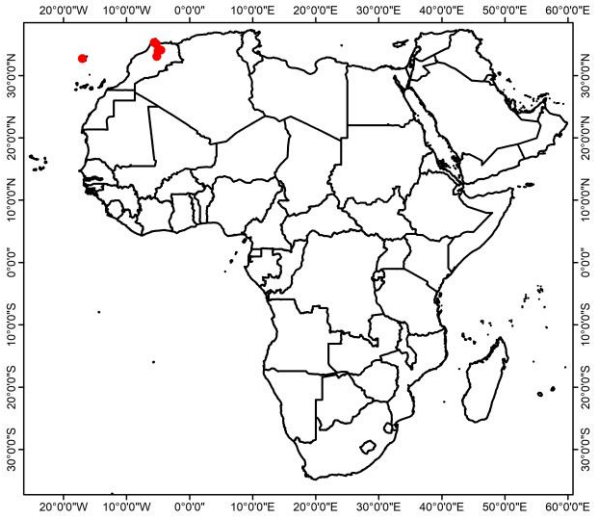

Figure 336. Distribution of *Nyctalus leisleri*

Genus ***Nycticeinops*** Hill & Harrison, 1987

*1987. *Nycticeinops* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 254. - Comments: Type species: *Nycticejus schlieffeni* Peters, 1859. - Etymology: Lanza *et al.* (2015: 364) mention the following: "masculin scientific Latin substantive made up of the masculine scientific Latin substantive *Nycticeius* (Nicticèius) and the feminine Greek substantive "*ὄφις*" (ópsis) 'aspect, appearance', referring to the likeness of the genus *Nycticeinops* to the genus *Nycticeius*, The etymology proposed by Hill and Harrison (1987) is imperfect". (Current Spelling)

TAXONOMY:
Bronner *et al.* (2003) state that the genus *Nycticeius* has long been considered to comprise two species: *N. humeralis*, from North America, and *N. schlieffenii* from Africa and Arabia. Koopman (1978) found these species so similar that he retained them in the same genus, a treatment disputed by Kitchener and Caputi (1985). Hill and Harrison (1987) demonstrated consistent differences between these species in baculum morphology and proposed the allocation of *schlieffeni* to the distinct genus *Nycticeinops*. Extensive karyotypic differences between the American *humeralis* (2*n* = 46 and FN = 48; Baker and Patton, 1967; Bickham, 1979) and East African *schlieffeni* (2*n* = 34 and FN = 52) provide additional evidence that the two species are not congeneric (Ruedas *et al.*, 1990) and mtDNA sequence divergence data strongly support their allocation to distinct genera (Hoofer and Van Den Bussche, 2001). However, Rautenbach *et al.* (1993) report an intermediate karyotype of 2*n* = 42 and FN = 50 for *schlieffeni* from South Africa. This not only suggests the existence of two species in Africa, but also casts some doubt on the karyotypic basis for generic distinction between these forms.

We nevertheless recognise these as distinct genera owing to clearcut differences in bacular and mtDNA properties.

Meester *et al.* (1986) state that *Scoteinus* Dobson, 1875 has frequently been included in this genus for the species *schlieffenii*, either as a subgenus (Ellerman *et al.*, 1953; Hayman and Hill, 1971), or as a synonym (Rosevear, 1965). Allen (1939a) and Roberts (1951) regard *Scoteinus* as a valid genus, which includes *schlieffenii*. However, Sinha and Chakraborty (1971) place *Nycticeius emarginatus* (Dobson, 1871), the type species of *Scoteinus*, in the distinct Indo-Malayan genus *Scotomanes*, and Koopman (1975, 1978) accordingly regards *schlieffenii* as a *Nycticeius* sensu stricto.

Known species of the genus *Nycticeinops*: ***schlieffeni*** (Peters, 1859), ***†serengetiensis*** Gunnell, Butler, Greenwood and Simmons, 2015.

COMMON NAMES:
Czech: Schlieffenovi netopýři. English: Twilight bats. French: Nycticeinops. German: Abendfledermäuse. Italian: Nitticèinopi, Nicticèinopi.

†*Nycticeinops serengetiensis* Gunnell, Butler, Greenwood and Simmons, 2015

*2015. *Nycticeinops serengetiensis* Gunnell, Butler, Greenwood and Simmons, Am. Mus. Novit., 3846: 1, 17, figs 9C-H, 10. Publication date: 16 December 2015 [Goto Description]. - Etymology: Named for the famed Serengeti region in northern Tanzania where Olduvai Gorge is located (Gunnell *et al.* (2015a: 18).

SIMILAR SPECIES:
The teeth of *N. serengetiensis* are on average 20 % larger than those of *N. schlieffeni*.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe: Pleistocene.

Nycticeinops schlieffenii (Peters, 1859)

*1859. *Nycticejus Schlieffenii* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, p. 224. Type locality: Egypt: Cairo [30 03 N 31 15 E] [Goto Description]. Holotype: ZMB 585: ad ♂, alcoholic and cranium only (no mandibula). Collected by: Graf Afred von Schlieffen. See Turni and Kock (2008: 53). - Comments: Allen (1939a: 97) mentioned 1860 as year of publication, Kock (1969a: 186) mentions 1859. The publication covers a meeting held on 28 February 1859. - Etymology: In honour of the collector Count Wilhelm von Schlieffen-Schlieffenburg (Smithers, 1983: 111). Johnston (2006: 3) mentions Schlieffen-Schlieffiennburg. Lanza *et al.* (2015: 366) [referring to Beolens *et al.* (2009)] mention Graf Wilhelm Schlieffen von Schlieffenberg (1833 - ?).

1877. *N[ycticejus] adovanus* Heuglin, Reise in Nordost Afrika, 2: 34. Publication date: 1877. Type locality: Ethiopia: Tigre province: As(s)am river: Adowa [14 10 N 38 54 E, 1 900 m] [Goto Description].

1887. *Scotophilus minimus* Noack, Zool. Jb. Syst., 2 (2): 280, pl. 10, fig. 36 - 37. Publication date: 7 May 1887. Type locality: Tanzania: (formerly indicated as in Democratic Republic of the Congo): Marungu: Qua Mpala [06 43 S 29 31 E] [Goto Description]. - Comments: Kock (1969a: 187), Meester *et al.* (1986: 62) situate Qua Mpala in the Democratic Republic of the Congo, not in Tanzania. Noack (1887: 280) refers to the type specimen as a female with separate skull.

1905. *Scotophilus schliefferri:* Schwann, Novit. Zool., 12 (1): 1. (Lapsus)

1908. *Scoteinus schlieffeni albiventer* Thomas and Wroughton, Proc. zool. Soc. Lond., 1908, III: 540. Publication date: 30 October 1908. Type locality: Sudan: Northern province: Naikhala.

1908. *Scoteinus schlieffeni australis* Thomas and Wroughton, Proc. zool. Soc. Lond., 1908, III: 539. Publication date: 30 October 1908. Type locality: Mozambique: 120 km SW Inhambane: Coguno [24 23 S 34 32 E] [Goto Description]. - Comments: Considered a valid subspecies of *Nycticeius schlieffeni* by Taylor (1998: 56).

1908. *Scoteinus schlieffeni bedouin* Thomas and Wroughton, Proc. zool. Soc. Lond., 1908, III: 540. Publication date: 30 October 1908. Type locality: : Jemen, Aden, Lahej.

1911. *Nycticeius africanus* G.M. Allen, Bull. Mus. comp. Zool., 54 (6): 328. Publication date:

December 1911. Type locality: Kenya: Northern Guaso Nyiro: Meru River: effluent of northern Guaso Nyiro [=Ewaso Ngiro] [00 03 N 37 39 E] [Goto Description]. Holotype: MCZ 8272: ♂, skin and skull. Collected by: Glover Morrill Allen; collection date: 11 August 1909; original number: 113. See Allen (1911: 328); Helgen and McFadden (2001: 147). - Comments: Thorn *et al.* (2009: 57) mention 00 29 N 37 40 E as coordinates for the type locality.

1916. *Scotoecus cinnamomeus* Wettstein, Anz. kais. Akad. Wiss., Wien, 53: 191. Publication date: 1916. Type locality: Sudan: Kordofan province: Nubbaka [=En Nabbaka] [12 35 N 29 55 E] [Goto Description]. - Comments: Thorn *et al.* (2009: 57) mention 12 47 N 30 46 E as coordinates for the type locality. Type specimen: ♀, collected by Prof. Dr. Franz Werner, collection date 17 March 1914. Two cotypes [= paratypes], 1 ♀ from Nubbaka, collection date 17 March 1914; 1 ♀ from Dilling, collection date: 20 March 1914 (see Wettstein, 1916: 191).

1926. *Scoteinus schleiffeni:* Cabrera and Ruxton, Ann. Mag. nat. Hist., ser. 9, 17 (103): 594. Publication date: 1 May 1926. (Lapsus)

1932. *Scoteinus schlieffenii fitzsimonsi* Roberts, Ann. Transv. Mus., 15 (1): 17. Publication date: 1 October 1932. Type locality: Botswana: N Bechuanaland, Ngamiland,: Tsotsoroga Pan [18 40 S 24 25 E] [Goto Description]. Holotype: TM 6550: ad ♂, skin and skull. Collected by: The Vernay-Lang Kalahari Expedition 1930; collection date: 19 June 1930; original number: 833. Cotype: TM 6551: ad ♂, skin and skull. Collected by: The Vernay-Lang Kalahari Expedition 1930; collection date: 19 June 1930; original number: 830.

2010. *Nycticeinops schlieffeni:* Monadjem, Taylor, Cotterill and Schoeman, Bats of Southern and Central Africa. A biogeographic and taxonomic synthesis. Wits University Press, Johannesburg, 486. (Alternate Spelling)

2012. *Nycticeinops schilieffeni:* Manga Mongombe, Master's thesis. University of Maroua, Cameroon, 12. (Lapsus)

2016. *Nycticeius schleifeni:* Mikula, Morelli, Lucan, Jones and Tryjanowski, Mammal Rev.. Publication date: 20 January 2016. (Lapsus)

? *Nycticeinops schlieffeni albiventer:* (Name Combination)

? *Nycticeinops schlieffeni fitzsimonsi:* (Name Combination)

? *Nycticeinops schlieffeni schlieffeni:* (Name Combination)

? *Nycticeinops schlieffenii:* (Name Combination, Current Combination)

? *Nycticeius (Scoteinus) schleiffenii:* (Name Combination)

? *Nycticeius schlieffeni australis:* (Name Combination)

? *Nycticeius schlieffeni:* (Alternate Spelling)

? *Nycticeius schlieffenii:* (Name Combination)

Taxonomy:

Figure 337. A female *Nycticeinops schlieffenii* (TM 48141) caught at Makalali-GR, Limpopo, South Africa.

Includes *cinnamomeus*; see Koopman (1975: 412 - 413). Assigned to the genus *Nycticeinops* by Harrison and Bates (1991: 94) and Hutson *et al.* (2001: 29), which is considered a subgenus of *Nycticeius* by Pavlinov *et al.* (1995: 116).

Common Names:

Afrikaans: Schlieffen se vlermuis, Schlieffen-vlermuis, Klein dakvlermuis. Czech: netopýr Schlieffenův, netopýr krátkouchý. Dutch: Schlieffens vleermuis. English: Schlieffen's Bat, Schlieffen's Twilight Bat. French: Nycticeinops de Schlieffen, Chauve-souris du crépuscule, Chauve-souris de Schlieffen. German: Schlieffens Abendfledermaus. Italian: Nitticèinope di Schlieffen, Nicticèinope di Schlieffen. Kiluba (DRC): Kasusu. Portuguese: Morcego de Schlieffens.

Palaeontological or archaeological records:

Butler and Greenwood (1965) found material in the early Pleistocene at Olduvai, which they referred to as "cf *Nycticeius* (*Scoteinus*) *schlieffeni* (Peters)" (see Butler (1978).

Conservation status:

Global - Widespread and rather common, with no major threats. Assessed as Least Concern LC ver

3.1 (2001) (Jacobs *et al.*, 2008b; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [as *Nycticeinops schlieffeni*] (Jacobs *et al.*, 2008b; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004am; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016o). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
None known (Jacobs *et al.*, 2008b; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008b; IUCN, 2009).

GENERAL DISTRIBUTION:
Distribution is split into two: one range in W Africa (including N Senegal, S Mauritania, Burkina Faso, Togo, Benin, and Nigeria), and one covering much of E and S Africa (as far south as NE Swaziland). The species is absent from much of the Horn of Africa, NE Ethiopia, E Tanzania, and NE Mozambique. There is a smaller central African range in NE Democratic Republic of the Congo (DRC). There are also records from Niger, Central African Republic (CAR), and the Nile delta in Egypt.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 1,003,159 km^2. Babiker Salata (2012: 50) indicated that the distribution in the RSA is mostly affected by the annual mean temperature.

Native: Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 570); Benin (Capo-Chichi *et al.*, 2004: 163); Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 570); Burkina Faso (Kangoyé *et al.*, 2015a: 621); Cameroon; Central African Republic; Chad; Congo (The Democratic Republic of the) (Noack, 1887; Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 570); Djibouti (Pearch *et al.*, 2001: 388); Egypt; Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 147); Ghana; Kenya; Malawi (Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 570); Mali (Meinig, 2000: 105); Mauritania (Allegrini *et al.*, 2011: 3); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 570; Monadjem *et al.*, 2010c: 384); Namibia (Monadjem *et al.*, 2010d: 571); Niger; Nigeria; Saudi Arabia; Senegal; Somalia; South Africa (Monadjem *et al.*, 2010d: 571); Sudan; Swaziland (Monadjem *et al.*, 2010d: 571); Tanzania; Togo; Uganda (Kityo and Kerbis, 1996: 62); Yemen (Benda *et al.*, 2011b: 41); Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 571); Zimbabwe (Monadjem *et al.*, 2010d: 571).

GEOGRAPHIC VARIATION:
Koubínová *et al.* (2013: 9) indicate that *N. schlieffenii* is distributed in three areas in Africa: West, East, and South (respectively represented by Senegal, Somalia, and South Africa in their study) and found that the West and East areas differed in karyotype from the South, and that West and East differed in their *S12* gene.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
Scott *et al.* (2012: 2943) report that the mandibular symphyse is fully fused in *N. schlieffenii*.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002).

SEXUAL DIMORPHISM:
In Burkina Faso, Kangoyé *et al.* (2015a: 621) found the average body (except Tragus and 3ph3) and cranial (except CM) measurements in females to be larger than in males.

ECHOLOCATION:
See Taylor (1999b) and Taylor *et al.* (2005).

From Maroua, Cameroon, Manga Mongombe (2012: 79) reported a FM call type for 1 call and the following parameters: F_{max}: 51.3 kHz, F_{min}: 40.0 kHz, F_{mean}: 45.7 kHz, F_{knee}: 51.3 kHZ, F_{char}: 41.0 kHz, and duration: 0.91 msec.

In Swaziland, Monadjem *et al.* (2017c: 179) recorded F_{min}: 40.1 ± 1.48 (38.7 - 42.4) kHz, F_{knee}: 43.4 ± 1.67 (41.7 - 45.4) kHz, F_c: 40.3 ± 1.29 (39.2 - 42.4) kHz and duration: 3.1 ± 0.64 (2.4 - 4.0) msec. They could detect the calls up to a distance of 15 m.

MOLECULAR BIOLOGY:
DNA - See Hoofer and Van Den Bussche (2003).

Karyotype - Ruedas *et al.* (1990) reported 2*n* = 34, FN = 52, and BA = 20, for specimens from Somalia, whereas Rautenbach *et al.* (1993) reported 2*n* = 42, FN = 50, and BA = 10, for specimens from South Africa. However, both Ruedas *et al.* (1990) and Rautenbach *et al.* (1993) reported submetacentric X, and acrocentric Y chromosomes. Unfortunately, Rautenbach *et al.* (1993) do not identify the actual voucher specimens associated with the work, since further work should be done to ascertain whether this variation is an indication of two distinct species.

From Senegal, Koubínová *et al.* (2013: 3) report the following karyotype for 4 ♂♂ and 1 ♀: 2*n* = 34,

Fna = 52, FN = 56, X = metacentric, Y = dot-like. They also found a 5.56 - 5.91 % difference in the *12S* gene as compared with conspecifics from other areas available in GenBank.

Protein / allozyme - Unknown.

HABITAT:
In southern Africa, it primarily occurs in Savanna habitats (86 %; Cooper-Bohannon *et al.*, 2016: Tabls S2).

PREDATORS:
Nyffeler and Knörnschild (2013: 4) refer to Happold *et al.* (1988: 369) for one of two records of an identified African bat becoming entangled in a spider's web (the other being *Neoromicia nana*).

Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - Rather common (Jacobs *et al.*, 2008b; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008b; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
van der Merwe and Rautenbach (1987: 41) reported that in *N. schlieffenii* spermatogenesis occurs over a 10-month period with the first signs of spermatozoa in the epididymides by the end of April. From the end of April until the beginning of September, they found spermatozoa in the epididymides. Copulation begins during June (early winter in Transvaal) and the females have spermatozoa in the uterine horns from then until the end of August (late winter) when ovulation occurs. *N. schlieffenii* is seasonally monoestrous and most of the births occur in November.

van der Merwe and Rautenbach (1986: 48; 1990: 540) reported that "*Nycticeius schlieffeniii*" commonly gives birth to twins and occasionally even triplets. For 11 females, they found an average of 3.1 corpora lutea and 2.8 fetuses.

PARASITES:
HEMIPTERA
Cimicidae: *Aphrania recta* Ferris and Usinger, 1957 recorded 35 miles east of Kordofan, Sudan (Haeselbarth *et al.*, 1966: 11).

DIPTERA
Ischnopsyllidae: *Lagaropsylla consularis* Smit, 1957. Traditional host being Molossid Bats, but has been recorded from this taxa (Haeselbarth *et al.*, 1966: 1990). *Lagaropsylla idea* Smit, 1957, of which the primary host are molossids but recorded from this taxon (Haeselbarth *et al.*, 1966: 190).

SYPHONAPTERA
Hastriter (2016: 18) reported the flea *Lagaropsylla idae* Smit, 1957 from a *N. schlieffenii* specimen from Majo Moto, Kenya.

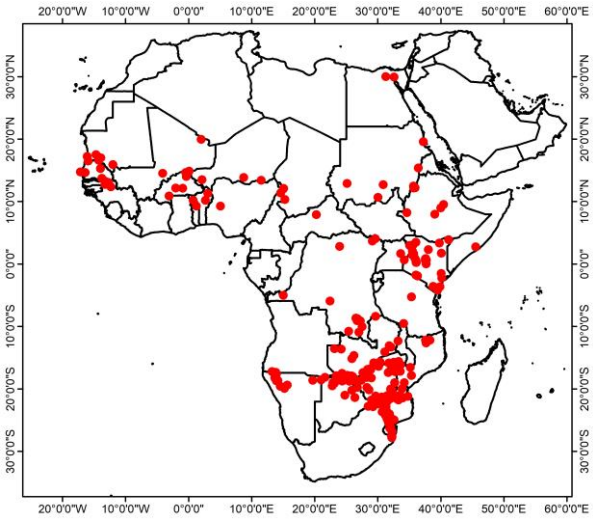

Figure 338. Distribution of *Nycticeinops schlieffenii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Chad, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Egypt, Ethiopia, Ghana, Kenya, Madagascar, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Senegal, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

Nycticeinops "incertae-sedis"

2013. *Nycticeinops cf. schlieffenii:* Koubínová *et al.*, Front. Zool., 10: 1-48. - Comments: Koubínová *et al.* (2013: 7) found found differences in dipoloid chromosome number and/or in chromosome morphology between the populations from Senegal and other regions in Africa. (Name Combination)

Genus ***Otonycteris*** Peters, 1859

*1859. *Otonycteris* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 223. Publication date: 1859 [Goto Description]. - Comments: Type species: *Otonycteris hemprichi* Peters, 1859. This publication covers a meeting held on 28 February 1859. - Etymology: From the Greek "*οὑς*" or "*ὠτός*", meaning ear and "*νυκτερις*", meaning bat (see Palmer, 1904: 489; Gharaibeh and Qumsiyeh, 1995: 3). (Current Combination)

TAXONOMY:
Koopman (1993a) and McKenna and Bell (1997) placed it in the tribe Nycticeini, but recent phylogentic analysis have grouped this taxon within the tribe Plecontini (Bogdanowicz *et al.*, 1998; Qumsiyeh and Bickham, 1993; Simmons, 2005: 481). Pine *et al.* (1971) and Hoofer and Van Den Bussche (2001) who suggest a close relationship between *Otonycteris* and *Antrozous* which presently is within the subfamily Antrozoinae (Simmons, 2005). Simmons (2005: 498) places the subfamily Antrozoinae within the Vespertilionidae based on recent molecular studies based on DNA sequence data (Hoofer and Van Den Bussche, 2001), a placement in line with more traditional classifications (Miller, 1897; Hill and Smith, 1984; Koopman, 1993a, 1994; McKenna and Bell, 1997). But, Simmons (1998) who raised this group to to family level also moved it to the family Molossidae. Simmons (2005: 498) retained Antrozoinae as a subfamily level within the Vespertilionidae, but its placement is unclear and further studies are needed to clarify it.

Miller (1907) suggested *Otonycteris* shares relationships with *Eptesicus*, *Scoetocus* and *Scotomanes*. Hill and Harrison (1987) included *Otonycteris* in the Plecotini but included *Rhogeessa*, *Baedon*, and *Nycticeis*. While Koopman (1993a) suggested that the genus *Otonycteris* is a distinct genus with no relationship to other vespertilionidae species.

Earlier systematics recognised six species, which Ellerman and Morrison-Scott (1951) synonomised all recognised forms within a single species *O. hemprichii*. Benda and Gvoždík (2010: 97) showed using morphological and molecular data, that a second species should be recognised *O. leucophaea* (Severcov, 1873) from central Asia.

Known species of the genus *Otonycteris*: ***hemprichii*** Peters, 1859.

COMMON NAMES:
Czech: pustinní ušani. English: Desert Bats, Desert Long-eared Bats, Long-eared Desert Bats, Desert Big-eared Bats. French: Oreillards du désert. German: Wüsten-Großohren.

GEOGRAPHIC VARIATION:
Benda and Gvoždík (2010: 87) using morphological comparison across the entire genus range supports the existance of three morphotypes which correspond to their geographic origin:
O. h. hemprichii Peters, 1859 - small and medium-sized bats from North Africa and the Levant with relatively wide and short rostra, wide braincases, large tympanic bullae and high coronoid processes of the mandible and rather small and robust bacula.
O. h. cinerea Satunin, 1909 and *O. h. jin* Cheesman and Hinton, 1924 - large bats from Iran and Saudi Arabia with relatively narrow and short rostra, narrow braincases, large tympanic bullae and high coronoid processes of the mandible and rather small, robust bacula.
O. leucophaea (Severcov, 1873) - medium-sized bats from Central Asia with relatively wide and long rostra, medium-wide braincase, small tympanic bullae, and low coronoid process of the mandible and rather large and narrow bacula.

Otonycteris hemprichii Peters, 1859

*1859. *Otonycteris Hemprichii* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 223. Publication date: 1859. Type locality: Egypt: Nile Valley S of Assuan (Egypt) & Chondek (Sudan) [Goto Description]. Syntype: ZMB 441: skull in skin. Collected by: Friedrich Wilhelm Hemprich and Christian Gottfried Ehrenberg; collection date: September 1821 - 21 July 1822. See Qumsiyeh (1985: 59); Turni and Kock (2008). Syntype: ZMB 442: skull in skin. Collected by: Friedrich Wilhelm Hemprich and Christian Gottfried Ehrenberg; collection date: September 1821 - 21 July 1822. See Qumsiyeh (1985: 59); Turni and Kock (2008). - Comments: This publication covers a meeting held on 28 February 1859. Type locality restricted by Kock (1969a: 183 - 184), since originally no locality was given. - Etymology: In honour of Friedrich Wilhelm Hemprich (1796 - 1825) (see Kozhurina, 2002: 15). (Current Combination)

1866. *Plecotus ustus* Fitzinger and Heuglin, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 54 (1) 10: 546. Publication date: 1866. Type locality: Sudan: Northern province: Wadi Halfa [21 55 N 31 20 E]. Holotype: NMW 8604: skull only. Collected by: Theodor Von Heuglin. See Benda and Gvoždík (2010: 101). - Comments: *Nomen nudum*: see Anderson and de Winton (1902: 118), Ellerman and Morrison-Scott (1951: 180), Allen (1939a: 93), Kock (1969a: 183), Qumsiyeh (1985: 59), Gharaibeh and Qumsiyeh (1995: 1).

1902. *Otonycteris petersi* Anderson, Zoology of Egypt: Mammalia. Revised and completed by W.E. de Winton, F.Z.S. Hugh Ress, Ltd., London, 120. Type locality: Iraq: Fao: Persian Gulf.

1909. *Otonycteris cinereus* Satunin, Materials on the knowledge of mammals of Caucasus and Transcaspian Regions, XII-XVI. Izvestiya Kavkazskago Muzyeya (Tiflis). [in Russian, with German summary], 4: 281. Type locality: : "Nukendzag, Ge country, Persian Beluchestan". - Comments: Nevertheless, Ognev (1928: 579) restricted the type locality to "Zirkuh country, near Bamrud, Khorasan" (= Zarakkuh country, near Bamrud, Khorassan, E Iran) and this change was accepted by subsequent authors (Etemad, 1967, 1969; DeBlase, 1980; Baranova et al., 1981; Gharaibeth and Qumsiyeh, 1995).

1924. *Otonycteris jin* Cheesman and Hinton, Ann. Mag. nat. Hist., Series 9, 14: 549. Type locality: Saudi Arabia: Hasa: Hufuf.

1936. *Plecotus auritus saharae* Laurent, Bull. Soc. Hist. nat. Afr. Nord, 27: 408, fig. Publication date: December 1936. Type locality: Algeria: El Goléa [30 35 N 02 53 E].

? *Otonycteris hemprichi hemprichi:* (Alternate Spelling)

? *Otonycteris hemprichi:* (Alternate Spelling)

? *Otonycteris hemprichii cinerea:* (Name Combination)

? *Otonycteris hemprichii hemprichii:* (Name Combination)

? *Otonycteris hemprichii jin:* (Name Combination)

? *Otonycteris hemprichii:* (Current Spelling)

TAXONOMY:

Reviewed by Harrison and Bates (1991), Horácek (1991), Bates and Harrison (1997) and Benda and Gvoždík (2010).

Most of the forms currently attributed to the species rank of *O. hemprichii* (Simmons, 2005: 481), were originally described as separate species: *O. petersi* Anderson, 1902 (Anderson and de Winton, 1902; Kinnear, 1916; Bianchi, 1917; Cheesman and Hinton, 1924; Ognev, 1928); *O. cinerea* Satunin, 1909 (Bobrinskoy, 1925; Noack, 1887; Kuzyakin, 1950, 1965; Strelkov, 1963; Strelkov *et al.*, 1978). Ellerman and Morrison-Scott (1951) synonomised all recognised forms within *Otonycteris* into a single species *O. hemprichii*, with tree subspecies (*hemprichii, cinerea, jin*), but marked this combination with a question mark. Kock (1969a: 183) did not recognise any subspecies within *O. hemprichii*. Although Corbet (1978: 59) recognised five valid subspecies (*hemprichii, jin, petersi, leucophaeus, cinerea*, he noted that "it seems likely that variation will prove to be continuous throughout the range". While Nader and Kock (1983c) stated that pelage coloration was inadequate for subspecies definition, Horácek (1991) and Horácek *et al.* (2000: 133) carried out a partial analysis of geographic variation where they found that the differences in pelage coloration and size was clinal, and did not support the recognition of separate subspecies. Benda *et al.* (2006) performed a simple comparison of a set of *Otonycteris* specimens from North Africa and the Middle East, which showed clear morphotypes that confirmed categorial variation recognising two subspecies (*hemprichii, cinerea*). In the past, five subspecies have been recognized (Atallah, 1977; Ellerman and Morrison-Scott, 1951; Harrison and Bates, 1991; Gharaibeh and Qumsiyeh, 1995; Koopman, 1993a) - the nominotypical form *O. h. hemprichii* Peters, 1859, *O. h. leucophaeus* (Severcov, 1873); *O. h. cinerea* Satunin, 1909; *O. h. petersi* Anderson, 1902; and *O. h. jin* Cheesman and Hinton, 1924.

Benda and Gvoždík (2010), examining both morphological and molecular data, concluded that one of the previously recognized subspecies, *O. h. leucophaeus* (Severcov, 1873), should be elevated to full species rank *O. leucophaea* (Severcov, 1873), from central Asia. In *Otonycteris hemprichii*, they recognized three distinct subspecies: *O. h. hemprichii* Peters, 1859 from North Africa, Levant and Mesopotamia; *O. h. cinerea* Satunin, 1909, from the mountainous areas of eastern Arabia and Iran; and *O. h. jin* Cheesman and Hinton, 1924, from the lowland deserts of eastern Arabia and southeasternmost Iran.

COMMON NAMES:

Arabian: Khafash abiad. Czech: ušan pustinný, netopýr pustinný. Dutch:

Woestijngrootoorvleermuis. English: Hemprich's Long-eared Bat, Hemprich's Desert Bat, Hemprich's Desert Long-eared Bat, Hemprich's Long-eared Desert Bat, Long-eared Desert Bat, Desert Long-eared Bat, Hemprich's Arrow-headed Bat, Hemprich's Big-eared Bat, Hemprich´s Arrow-eared bat. French: Oreillard d'Hemprich, Chauve-souris à oreilles pointues de Hemprich. German: Hemprichs Wüstengroßohr.

CONSERVATION STATUS:
Global - This is a relatively common species in desert and sub-desert habitats of the SW Palaearctic. It has a presumed large population, but the current trend is unknown. However, if it is in decline, it is unlikely to be at a rate which would qualify it for inclusion in the threatened categories. There are no major threats to the species, although it may be affected by pesticides in some parts of its range. Therefore, it is listed as Least Concern (LC ver 3.1 (2001)) (Benda *et al.*, 2008c; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Benda *et al.*, 2008c; IUCN, 2009). 1996 - LR/lc [as *Otonycteris hemprichi*.

MAJOR THREATS:
Although not a major threat this species is affected by pesticides (Benda *et al.*, 2008c; IUCN, 2009). Sherwin *et al.* (2012: 174), furthermore, list the small distribution range, water stress and the aerial hawking feeding style to be the risk factors related to climatic change. Bilgin *et al.* (2012: 434) predict that climatic change will result in a major range contraction for *O. hemprichii*.

CONSERVATION ACTIONS:
Benda *et al.* (2008c) [in IUCN (2009)] report that the species presumably occurs in some protected areas across its range. No other specific measures are known, although it will be protected under national legislation in some of the range states. A study on the impacts of pesticides is required, especially ways in which the impact might be minimised.

GENERAL DISTRIBUTION:
Otonycteris hemprichii occurs in the southern desert and sub-desert belt of Western and Central Palaearctic from Morocco and Niger as far east as north-west India. It is possibly present in the whole of the desert area in the north of Africa where there is suitable habitat. In the Mediterranean region it is recorded from Morocco, Algeria, Tunisia, Libya, Niger, northern Sudan and Egypt. In the Middle East it is found in Israel, Palestine, Jordan, Lebanon, Syria and a single locality from southeastern Turkey. It has an area of occupancy of >20,000 km^2 and occupies an altitude of up to 2,400 m (in Pakistan).
Albayrak and Asan (1999: 65) mention one specimen from a locality in southern Turkey.

Benda and Gvoždík (2010: 95) allocate specimens previously refered to *O. hemprichii* from Central Asian should be rather refered to *Otonycteris leucophaea* (Severcov, 1873).

Native: Afghanistan; Algeria; Egypt; Iran, Islamic Republic of; Israel; Jordan; Kazakhstan; Libyan Arab Jamahiriya; Morocco (Benda *et al.*, 2010a: 158; El Ibrahimi and Rguibi Idrissi, 2015: 363); Niger; Oman; Qatar; Saudi Arabia; Sudan; Syrian Arab Republic; Tajikistan; Tunisia (Dalhoumi *et al.*, 2016b: 867); Turkey; Turkmenistan; United Arab Emirates (Anonymus, 2008: 38); Uzbekistan.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
In their study on the reversibility of the mandibular symphyseal fusion, Scott *et al.* (2012: 2943) mention that this symphyse is fully fused in *O. hemprichii*.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987), and Benda and Gvoždík (2010: 93). Benda and Gvoždík (2010: 87) found that the bacula from different parts of the distribution range were very similar in shape. The bones are simple, dorso-ventrally flattened, crescent-shaped sticks. The baculum length were 2.47 - 3.31 mm long. Slightly differing specimens, originating in northeastern Iran and Kirghizstan, possessed larger bacula (length= 3.02 - 3.31 mm), relatively narrower and in most cases also slightly less curved than bacula from other parts of the range (baculum length = 2.47 - 2.96 mm) (Benda and Gvoždík, 2010: 87).

FUNCTIONAL MORPHOLOGY:
In Israel, Marom *et al.* (2006: 954) found that the physiological responses of *O. hemprichii* to a range of ambient temperatures (both by night and by day) are characteristic of a mammal adapted to arid environments.

SEXUAL DIMORPHISM:
Bogdanowicz and Owen (1996: 494) found that females are approximately 4.4 % larger than males.

ECHOLOCATION:
Holderied *et al.* (2010: 425) indicate that *Otonycteris hemprichii* is a whispering bat (approx. 80 dB peSPL), with short, multiharmonic calls. The two dominant harmonics sweep from 39 to 22 kHz, and from 77 to 43 kHz, with average peak frequencies respectively 29.96 ± 5.3 kHz and

54.45 ± 5.5 kHz. The pulse duration is 2.46 ± 1.1 ms, the pulse interval 131.6 ± 82.0 ms.

In Jordan, Benda *et al.* (2010b: 204) recorded the following parameters for 66 calls: F_{start}: 46.8 ± 8.6 (34.2 - 68.3) kHz, F_{end}: 20.4 ± 3.0 (15.0 - 25.6) kHz, F_{peak}: 26.8 ± 3.2 (19.4 - 31.8) kHz, duration: 7.2 ± 2.4 (2.9 - 11.9) msec, and interpulse interval: 142.7 ± 52.9 (72.0 - 302.0) msec.

For Iran, Benda *et al.* (2012a: 183) provide two series of data: **1**: F_{start}: 38.8 ± 2.1 (28.6 - 32.8) kHz, F_{end}: 22.1 ± 0.2 (21.9 - 22.3) kHz, F_{peak}: 22.9 ± 6.1 (16.9 - 29.9) kHz, duration: 3.7 ± 0.3 (3.4 - 4.1) msec, interpulse interval: 157.9 ± 22.1 (143.0 - 190.1) msec; **2** (hand released in a close room): F_{start}: 35.0 ± 2.2 (30.5 - 38.6) kHz, F_{end}: 20.1 ± 0.7 (19.0 - 21.2) kHz, F_{peak}: 26.2 ± 2.6 (23.5 - 32.3) kHz, duration: 2.6 ± 0.5 (1.7 - 3.6) msec, interpulse interval: 44.4 ± 19.3 (26.8 - 80.5) msec.

From Israel, the following values were obtained by Hackett *et al.* (2016: 223) from 68 calls: Pulse duration: 5.19 ± 3.52 msec, F_{start}: 36.86 ± 2.95 (25.3 - 46.3) kHz, F_{end}: 20.94 ± 2.16 (18 - 25.3) kHz, F_{peak}: 24.45 ± 2.73 (20.5 - 34.1) kHz.

Disca *et al.* (2014: 226) indicate that the type of call is FM multi H for specimens from Morocco, with the following parameters: F_{start}: 42.4 ± 1.6 kHz, F_{end}: 17.0 ± 0.6 kHz, F_{peak}: 25.3 ± 1.0 kHz, $F_{max\ first\ harmonic}$: 45.3 ± 1.7 kHz, bandwidth: 25.3 ± 1.9 kHz, duration: 5.2 ± 0.3 msec.

In the United Arab Emirates, Davis (2007: 7) reports the ending frequency to be around 18 kHz.

Holderied *et al.* (2010: 425) also suggest that this bat is probably a passive gleaner, listening to noises generated by their prey. In a test environment, moving scorpions were found within 5 to 58 seconds, whereas non-moving or dead scorpions were not found at all.

Hackett *et al.* (2014: 3028), however, found that *O. hemprichii* switches between being a passive gleaner and an aerial hawker. Aerial hawking seems to occur when their usual prey becomes scarcer (e.g. desert scorpions - *Scorpio maurus palmatus* - at the end of a hot, dry summer) or less active (e.g. common yellow scorpions - *Buthus occitanus israelis* (Hackett *et al.*, 2014: 3031).

Molecular Biology:

DNA - See Hoofer and Van Den Bussche (2003), Mayer *et al.* (2007), and Benda and Gvoždík (2010: 88).

Karyotype - Arslan and Zima (2014: 14) mention 2*n* = 28, FNa = 46, FN = 50, and a medium-sized submetacentric X. No data were available for the Y chromosome. The autosomal complement contains seven large metacentrics, two large submetacentrics, one small metacentric and three acrocentric pairs (of which one is dot-like). They also indicate that the karyotype with 2*n* = 30, FN = 48, BA = 20, a submetacentric X chromosome and a dot-like Y chromosome for specimens reported by Zima *et al.* (1992b) from Kyrgystan is actually for *O. leucophaea*.

Protein / allozyme - Unknown.

Habits:

Horácek (1991) reported that *O. hemprichii* foraged in two different ways; very close to the ground (40 - 80 cm) or at a height of some 4 - 8 meters above the ground. Holderied *et al.* (2010: 429) reported a flight height of 2.19 ± 1.0 m above the ground while searching for prey at Park Sapir, Israel, and a flight speed of 3.52 ± 1.3 m/s.

Hackett *et al.* (2014: 3030) found that *O. hemprichii* specimens flew slower during aerial hawking than during their passive gleaning foraging flights.

Roost:

Daniel *et al.* (2010: 295) found that during pregnancy, female bats roosted either alone, or in small groups of two to five individuals. While during lactation, female bats roosted without males in groups of two to five individuals. Korine *et al.* (2013: 131) reported that, in Israel, female bats roosted primarily in cracks during reproduction, and most of these were facing the morning sun. They also indicated that during pregnancy horizontal cracks were used, whereas vertical cracks were used by lactating females. Some of these roosts were used year after year.

Diet:

Studies from different parts of its range indicate that its prey includes mainly large ground arthropods (Coleoptera, Blattodae, Othoptera, Solpugida, Heteroptera, Hymenoptera, and Scorpionidae) (Horácek, 1991; Whitaker *et al.*, 1994: 75; Arlettaz *et al.*, 1995; Fenton *et al.*, 1999; Benda *et al.*, 2001, 2006, 2010: 83, 2012a: 469).

Andreas (2010: 265) mentions that it is suggested that *O. hemprichii* is a potential carnivore. However, there is no proof for this. Furthermore, no perch feeding was observed for this species and this type of tactics is generally used when consuming relatively larger preys.

Holderied *et al.* (2010: 425) indicate that 70 % of the droppings can contain scorpion fragments. They also observed that while capturing the

scorpions, the bats were frequently stung, even in their faces, without any indication of poisoning, and the scorpions' poison glands and stinger were eaten too.

Benda *et al.* (2014c: 100) analyzed 14 faecal pellets from one individual and found robust crickets (Ensifera; 97.1 % by volume), complemented by a small proportion of moth remnants (Lepidoptera; 2.9 %).

POPULATION:
Structure and Density - Mostly solitary animals, female colonies up to 18 individuals (Benda *et al.*, 2008c; IUCN, 2009).
Trend - 2008 - Unknown (Benda *et al.*, 2008c; IUCN, 2009). *O. hemprichii* populations within the Asia Minor and Levant region are unknown population trend, under predictive climate change scenarios (Bilgin *et al.*, 2012: 433).

ACTIVITY AND BEHAVIOUR:
Daniel *et al.* (2010: 296) showed that *O. hemprichii* delayed their forageing emergence time as gestation progressed from the first to the second trimester, while during nursing the bats' emergence time to forage did not change. Emergence time of female bats from their roosts during pregnancy was delayed from an average of 18h33 (about 40 min after sunset) in the first trimester of pregnancy (late March and beginning of April) to an average of 20h00 (about 1 h and 50 min after sunset) during the second trimester of pregnancy (Daniel *et al.*, 2010: 295). Contrary to the situation during pregnancy, emergence time of bats from their day roosts during nursing did not change with the sunset times, and was almost always between 20h00 and 21h00 (Daniel *et al.*, 2010: 295). Pregnant bats did not emerge to forage more than four times per night; the average was two bouts per night, whereas lactating bats made up to six foraging bouts per night (Daniel *et al.*, 2010: 296).

Daniel *et al.* (2010: 297) observed that female bats often used both deep and shallow daily torpor during the first two trimesters of pregnancy, with skin temperature frequently dropping as low as 15° C, while pregnant females used only shallow torpor during the last trimester of pregnancy and nursing.

Korine *et al.* (2015: 5) point out that the activity of *O. hemprichii* could be underestimated because of the whispering nature of their echolocation calls.

REPRODUCTION AND ONTOGENY:
Daniel *et al.* (2010: 295) estimated that pregnancy began by the end of March, and that parturition took place around the first week in June. Body mass of pregnant bats increased by over 50% from the beginning to the end of pregnancy (22 - 35 g).

In the United Arab Emirates, Davis (2007: 7) thinks the females are pregnant in May-June.

PARASITES:
The tick *Argas vespertilionis* (Latreille, 1802) was reported from Jordan by Benda *et al.* (2010b: 294), who also indicate that the only two other ectoparasites found in the Middle East are *Argas hermanni* Audouin, 1827 in Egypt, and the flea *Araeopsylla wassifi* Traub, 1954 in Turkey.

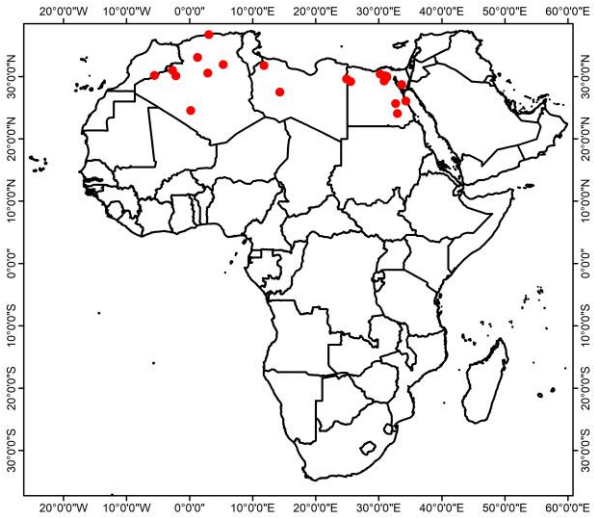

Figure 339. Distribution of *Otonycteris hemprichii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Egypt, Libya, Morocco, Niger, Sudan.

Genus ***Pipistrellus*** Kaup, 1829

*1829. *Pipistrellus* Kaup, Skizzierte Entwicklungs-Geschichte Natürliche Systematik der Europäische Thierwelt, 1: 98. Publication date: 1829. - Comments: Type species: *Vespertilio pipistrellus* Schreber, 1774. - Etymology: From the italian "*pipistrello*" meaning bat (see Fujita and Kunz, 1984: 4; Flannery, 1995a: 393). From the Latin "*pipio* meaning squeaking and "*strellus*", which is an attiona indicating a "small animal" (see Kapteyn, 1995: 83). (Current Combination)
1837. *Pipistrella* Bonaparte, Iconografia Fauna italiana. - Comments: Icon. fauna Ital.
1838. *Romicia* Gray, Mag. Zool. Bot., Edinburgh, 2 (12): 495. Publication date: 1 February 1838. - Comments: Type species: *Romicia calcarata* Gray, 1838 (=*Vespertilio kuhlii* Kuhl, 1817).

1839. *Vesperugo* Keyserling and Blasius, Arch. Naturgesch. Berlin, 5 (1): 312. Publication date: 1839. - Comments: In part (see Allen, 1939a: 92; Pavlinov *et al.*, 1995: 104). Included 13 species now referred to *Eptesicus, Pipistrellus, Neoromicia, Hypsugo*.
1840. *Romicius* Blyth, Cuvier's Animal Kingdom, 75. Publication date: 1840. - Comments: Variant of *Romicia* (see Allen, 1939a: 93; Meester *et al.*, 1986: 50).
1856. *Nannugo* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (2): 131. Publication date: 1856. - Comments: Included *Vespertilio nathusii* Keyserling and Blasius, *V. kuhlii* Kuhl and *V. pipistrellus* Schreber (see Ellerman and Morrison-Scott, 1951: 152; Corbet and Hill, 1992: 133). - Etymology: From the Greek "*νάννος*", meaning dwarf and the suffix -ugo (in analogy with *Hypsugo* and *Vesperugo*) (see Palmer, 1904: 447).
1868. *Alobus* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 707 (for 1867). Publication date: 1868 [Goto Description]. - Comments: Type species: *Vespertilio temminckii* Cretzschmar, 1826 (=*Pipistrellus rueppellii* Fischer, 1829). Not of Le Conte, 1856.
1899. *Euvesperugo* Acloque, Faune de France, Mammifères, 35. - Comments: In part: Included six species, one of which was *Vespertilio pipistrellus* Schreber, 1774 (see Ellerman and Morrison-Scott, 1951: 162; Meester *et al.*, 1986: 50). Cabrera (1914: 123) also included it in part into *Nyctalus*.
1926. *Eptesicops* Roberts, Ann. Transv. Mus., 11: 245. Publication date: 14 September 1926. - Comments: Type species: *Scotophilus rusticus* Tomes, 1861.
1946. *Vansonia* Roberts, Ann. Transv. Mus., 20 (4): 304 [Goto Description]. - Comments: Type species: *Pipistrellus vernayi* Roberts, 1932 (=*Vespertilio rüppellii* Fischer, 1829). - Etymology: The name *Vansonia* refers to George van Son, entomologist of the Transvaal Museum (see Lanza *et al.*, 2015: 382).
1951. *Pipiestrellus:* Watson, Uganda J., 15 (1): xx. (Lapsus)
1987. *Attalepharca* Menu, Palaeovert., 17 (3): 126. Publication date: 15 November 1987 [Goto Description]. - Comments: Not type species designated, therefore not available (see Corbet and Hill, 1992: 133).
1987. *Nycterikaupius* Menu, Palaeovert., 17 (3): 108, pl. 4, fig. 1. Publication date: 15 November 1987 [Goto Description]. - Comments: In part.
1992. *Attelepharca:* Corbet and Hill, The mammals of the Indomalayan Region: A systematic review, 131. (Lapsus)
1999. *Pipistallus:* Salleh, Hang, Rahman and Abdulla, ASEAN Review of Biodiversity and Environmental Conservation (ARBEC), 1. Publication date: September - October 1999. (Lapsus)
2000. *Pipistrellis:* Qui, Han, Qi and Yufen, Acta Anthrop. Sin., 4 (1): 19. (Lapsus)
2007. *Afropipistrellus* Thorn, Kock and Cuisin, Mammalia, 71 (1/2): 70, 75 [Goto Description]. - Etymology: From the combination of "Africa" and "Pipistrellus"; gender masculine (see Thorn *et al.*, 2007: 75).
2007. *Pipistrellus (Afropipistrellus):* Thorn, Kock and Cuisin, Mammalia, 71 (1/2).
2008. *Pipistrillus:* Selim, Nahla, and Shelfeh, Tishreen Univ. J. Res. Sci. Stud. - Biol. Sci. Ser., 30 (1): 247. (Lapsus)
2008. *Pipstrillus:* Selim, Nahla, and Shelfeh, Tishreen Univ. J. Res. Sci. Stud. - Biol. Sci. Ser., 30 (1): 247. (Lapsus)
2018. *Pipistrelus:* Malekani, Musaba, Gembu, Bugentho, Toengaho, Badjedjea, Ngabu, Mutombo, Laudisoit, Ewango, Van Cakenberghe, Verheyen, Asimonyo, Masudi, Bongo and Ngbolua, Nat. Conserv. Res., 3 (2): 68. Publication date: January 2018. (Lapsus)
? *Pipistrellus sp.:*
? *Vansoni:* (Lapsus)

TAXONOMY:
For synonyms see Ellerman and Morrison-Scott (1951: 162); but also see Hill (1976: 25); Kitchener *et al.* (1986); and Menu (1984). *Hypsugo* was considered a full genus by Tiunov (1986). Hill and Harrison (1987) would transfer *Neoromicia* and *Vespadelus* to *Pipistrellus* from *Eptesicus*.

Known species of the genus *Pipistrellus*: *abramus* (Temminck, 1838) – southern Ussuri region (Russia and China), Taiwan, southern and central Japan, Korea, Vietnam, Burma, India (Simmons, 2005: 473); *adamsi* Kitchener, Caputi and Jones, 1986 – Queensland and Northern Territory (Australia) (Simmons, 2005: 473); ***aero*** Heller, 1912; *angulatus* Peters, 1880 – New Guinea, Bismarck Arch., Bougainville Isl and Solomon Isls, adjacent small islands (Simmons, 2005: 473); *ceylonicus* (Kelaart, 1852) – Pakistan, India, Sri Lanka, Bangladesh, Burma, Kwangsi and Hainan

(China), Vietnam, Borneo (Simmons, 2005: 474); *collinus* Thomas, 1920 – Highlands of Papua New Guinea (Simmons, 2005: 474); *coromandra* (Gray, 1838) – Afghanistan, Bangladesh, India (including Nicobar Isls), Sri Lanka, Pakistan, Nepal, Bhutan, Burma, Cambodia, Thailand, southern China (Simmons, 2005: 474); ***deserti*** Thomas, 1902; *endoi* Imaizumi, 1959 – Honshu (Japan) (Simmons, 2005: 474); ***grandidieri*** (Dobson, 1876); ***hanaki*** Hulva and Benda, 2004; ***hesperidus*** (Temminck, 1840); *hesperus* H. Allen, 1864 – Washington to southwestern Oklahoma (USA) and Baja California, south to Hidalgo and Guerrero (Mexico) (Simmons, 2005: 475); ***inexspectatus*** Aellen, 1959; *javanicus* (Gray, 1838) – eastern Afghanistan, northern Pakistan, northern and central India, southeastern Tibet (China), Burma, Thailand, Vietnam, through southeast Asia to Lesser Sunda Isls and the Philippines (Simmons, 2005: 475); ***kuhlii*** (Kuhl, 1817); ***maderensis*** (Dobson, 1878); *minahassae* (Meyer, 1899) – northern Sulawesi (Simmons, 2005: 476); ***nanulus*** Thomas, 1904; *nathusii* (Keyserling and Blasius, 1839) – western Europe to Urals and Caucasus and western Asia Minor, southern England (Simmons, 2005: 476); *papuanus* Peters and Doria, 1881 – Seram, Aru Isls, Baik-Supiori, New Guinea, New Ireland (Bismarck Arch.) adjacent small islands (Simmons, 2005: 476); *paterculus* Thomas, 1915 – northern India, Burma, Thailand, Vietnam, and southwestern China (Simmons, 2005: 477); ***permixtus*** Aellen, 1957; ***pipistrellus*** (Schreber, 1774); *pygmaeus* (Leach, 1825) – British Isles, southern Scandinavia south to Spain, Portugal, Corsica, Sardinina, Italy, Slovenia and Greece, east to Ukaraine and western Russia, northern Algeria, Tunisia, Libya (Cyrenaica only) (Simmons, 2005: 477); ***rueppellii*** (J. Fischer, 1829); ***rusticus*** (Tomes, 1861); *stenopterus* (Dobson, 1875) – western Malaysia, Sumatra, Riau Arch., northern Borneo, Mindanao (Philippines) (Simmons, 2005: 478); *sturdeei* Thomas, 1915 – Bonin Isls (Japan) (Simmons, 2005: 478); *subflavus* (F. Cuvier, 1832) – Nova Scotia, southern Qubec (Canada) and Minnesota, south to Florida (USA) and Honduras (Simmons, 2005: 479); *tenuis* (Temminck, 1840) – Afghanistan to the Moluccas, southern China, Laos, Vietnam, Cocos Keeling Isl and Christmas Isl (Simmons, 2005: 479); *wattsi* Kitchener, Caputi and Jones, 1986 – southeastern Papua New Guinea and Sanari Isl (Simmons, 2005: 479); *westralis* Koopman, 1984 – northern Australia from Kimberly to eastern Gulf of Carpentaria (Simmons, 2005: 479).

COMMON NAMES:
Czech: zakrslí netopýři. English: Pipistrelle Bats, Pipistrelles. French: Pipistrelles. German: Zwergfledermäuse, Pipistrellen. Italian: Pipistrèlli.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Tragus: Monadjem *et al.* (2013c: 204) line drawing of tragi of specimen DNSM 13220 referred to a *Pipistrellus* 1 from Mount Nimba, Liberia.

ECHOLOCATION:
Rakotondramanana *et al.* (2014: 80) studied the echolocation calls of Madagascan "*Pipistrellus sensu lato"* bat (including *Pipistrellus, Neoromicia* and *Hypsugo* in two different flight cages: A (12 x 3 x 3 m) and B (5.4 x 1.4 x 1.5 m), and found that the same bats used different types of calls depending on the cage they were flying in. In the large cage (A), the signal showed a frequency-modulated part followed by a short quasi-constant frequency (FM/QCF) component, whereas in the small cage (B) the QCF component was lacking. These authors, therefore, also warn against extrapolating the results of echolocation calls captured in flight cages.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention a *Pipistrellus* sp. being taken by a Grey-headed bushshrike (*Malaconotus blanchoti* Stephens, 1826).

In Algeria, Djilali *et al.* (2016: 161) found remains of 6 *Pipistrellus* specimens in 516 preys (1.2 %) captured by the Short-eared Owl (*Asio flammeus*).

Goodman *et al.* (2015c: 78) found the remains of five *Pipistrellus/Neoromicia* sp. individuals in pellets of Bat Hawk *Macheiramphus alcinus* Bonaparte, 1850 in western central Madagascar.

VIRUSES:
Paramyxoviridae
Mortlock *et al.* (2015: 1841) reported that twenty out of fourty examined "*Pipistrellus*" specimens from the same colony in the DRC tested positive for *Paramyxovirus* sequences, all of which were nearly identical.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Burundi, Cameroon, Canary Islands (Spain), Central African Republic, Congo (Democratic Republic of the), Egypt, Ethiopia, Gabon, Ghana, Kenya, Liberia, Malawi, Namibia, Nigeria, Senegal, Sierra Leone, South Africa, Tanzania, Uganda.

Pipistrellus aero Heller, 1912

*1912. *Pipistrellus aero* Heller, Smiths. Misc. Coll., 60 (12): 3. Publication date: 4 November 1912. Type locality: Kenya: Mathews Range: Mount Gargues [00 57 N 37 24 E, 7 100 ft] [Goto Description]. Holotype: USNM 181812: ad ♂, skin and skull. Collected by: Edmund Heller; collection date: 26 August 1911; original number: 4110. (Current Combination)
1971. *Pipistrellus [(Pipistrellus)] aero:* Hayman and Hill, Mammals of Africa: Chiroptera, 41. (Name Combination)
1971. *Pipistrellus altae:* Hayman and Hill, Mammals of Africa: Chiroptera, 43. - Comments: Hayman and Hill (1971) refer to specimens in the BMNH labeled as "*P. altae*" but do not mention an original author.

TAXONOMY:
The Ethiopian specimens in the British Museum are clearly *P. kuhlii*; see Hayman and Hill (1971: 41). Koopman (1994: 114) states that this species is probably a subspecies of *P. aegyptius* (=*deserti*).

COMMON NAMES:
Czech: netopýr gargueský. English: Mt Gargues Pipistrelle Bat, Aerial Pipistrelle Bat, Mt Gargues Pipistrelle, Mount Gargues Pipistrelle, Kenya Pipistrelle. French: Pipistrelle du Kenya. German: Luftige Zwergfledermaus, Luftige Pipistrelle.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence, ecological requirements, threats and conservation status (Jacobs *et al.*, 2008q; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs *et al.*, 2008q; IUCN, 2009). 2004 - VU D2 ver 3.1 (2001) (Jacobs *et al.*, 2004ae; IUCN, 2004). 1996 - DD (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are not known (Jacobs *et al.*, 2008q; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008q) [in IUCN (2009)] report that it has been recorded in the Matthews Range Forest Reserve and Marsabit National Reserve. Further studies are needed into the distribution, natural history and possible threats to this little-known species.

GENERAL DISTRIBUTION:
Pipistrellus aero is endemic to northwestern Kenya, where it is known only from three localities (Mount Garguez; Marsabit Lake and Ngong). It is also present in adjacent Ethiopia.

Native: Ethiopia (Lavrenchenko *et al.*, 2004b: 135); Kenya.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Jacobs *et al.*, 2008q; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008q; IUCN, 2009).

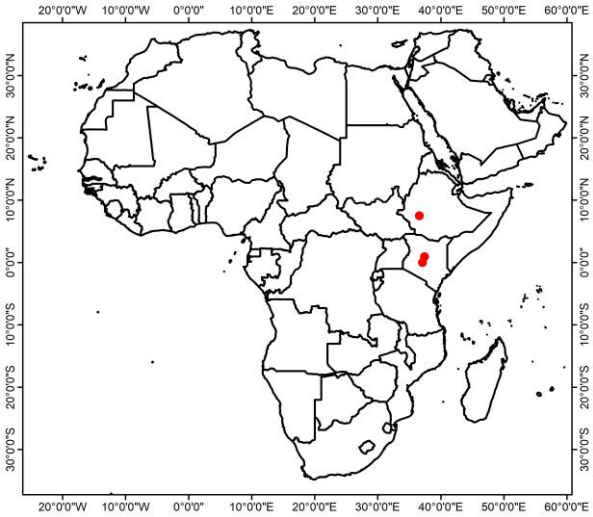

Figure 340. Distribution of *Pipistrellus aero*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia, Kenya.

Pipistrellus grandidieri (Dobson, 1876)

*1876. *Vesperugo (Vesperus) grandidieri* Dobson, Ann. Mag. nat. Hist., ser. 4, 18 (108): 500. Publication date: 1 December 1876. Type locality: Tanzania: Zanzibar [ca. 06 10 S 39 12 E] [Goto Description]. Holotype: MNHN ZM-MO-1996-2129: ad ♀, skull and alcoholic. Collected by: Alfred Grandidier; collection date: 1864. Number 215 in Rode (1941). Opened ventrally, one foetus in uterus, skull extracted in 1999.
1895. *Vesperus grandidieri:* Matschie, Säugethiere Deutsch-Ost-Afrikas, 23. (Name Combination)

1897. *Eptesicus grandidieri:* Matschie, Zur Faunistik Deutsch-Ost-Afrikas. 5. Säugethiere, 84. (Name Combination)
1937. *Eptesicus capensis angolensis* J.Eric Hill, Am. Mus. Novit., 916: 1, fig. 1. Publication date: 17 April 1937. Type locality: Angola: Chitau [11 15 S 17 01 E, 4 900 ft] [Goto Description]. Holotype: AMNH 85535: ad ♂, skin and skull. Collected by: Herbert Lang and The Vernay Angola Expedition; collection date: 5 August 1925; original number: 620. Co- or Topotype: AMNH 88096: ad ♀. Co- or Topotype: CM 7018b: ♀.
1984. *Eptesicus (Eptesicus) capensis grandidieri:* Anciaux de Faveaux, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch.. (Name Combination)
1994. *P[ipistrellus (Neoromicia)] c[apensis] grandidieri:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 55. (Name Combination)
2007. *Pipistrellus (Afropipistrellus) grandidieri angolensis:* Thorn, Kock and Cuisin, Mammalia, 72 (1/2): 76. (Name Combination)
2007. *Pipistrellus (Afropipistrellus) grandidieri grandidieri:* Thorn, Kock and Cuisin, Mammalia, 71 (1/2): 76. (Name Combination)
2007. *Pipistrellus (Afropipistrellus) grandidieri:* Thorn, Kock and Cuisin, Mammalia, 71 (1/2): 73. (Name Combination)
? *Neoromicia grandidieri:* - Comments: . (Lapsus)
? *Pipistrellus grandidieri:* (Name Combination, Current Combination)

TAXONOMY:
Thorn *et al.* (2007: 73) recognize two subspecies: *P.* (*A.*) *g. grandidieri* for East African specimens and *P.* (*A.*) *g. angolensis*, a slightly larger western and southern African subspecies (Angola, Malawi and Cameroon).

Monadjem *et al.* (2013c: 194) mention a specimen from Mount Nimba as "*Pipistrellus* sp. 1", which was in a later publication (Monadjem *et al.*, 2016y: 370) assigned to "*Pipistrellus* cf. *grandidieri*". The latter authors indicate that the specimen involved has very similar cranial characters as *P. grandidieri*, but that species occurs only in eastern Africa, some 2,500 km away. Pending further genetical characterisation, they tentatively named it "cf. *grandidieri*".

COMMON NAMES:
English: Grandidier`s Pipistrelle. French: Pipistrelle de Grandidier, Sérotine de Grandidier. German: Grandidiers Zwergfledermaus.

GENERAL DISTRIBUTION:
Ethiopia to SE Democratic Republic of the Congo, including Unguja [=Zanzibar]. Possibly Liberia (1st record, Monadjem and Fahr, 2007: 47; as "*Neoromicia* aff. *guineensis*"). Decher *et al.* (2016: 273) report *N.* cf. *grandidieri* specimens from Guinea.

Native: Angola (Crawford-Cabral, 1989; Thorn *et al.*, 2007; Monadjem *et al.*, 2010d: 571); Congo (Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 571); Malawi (Thorn *et al.*, 2007; Monadjem *et al.*, 2010d: 571); Tanzania.

DETAILED MORPHOLOGY:
Baculum - Thorn *et al.* (2007).

PARASITES:
Schaer *et al.* (2013a: 17416) report the presence of hemosporidian parasites of the genus *Polychromophilus* in three out of three investigated *P.* aff. *grandidieri* specimens from West Africa, but they indicate that the bat might respresent an undescribed species.

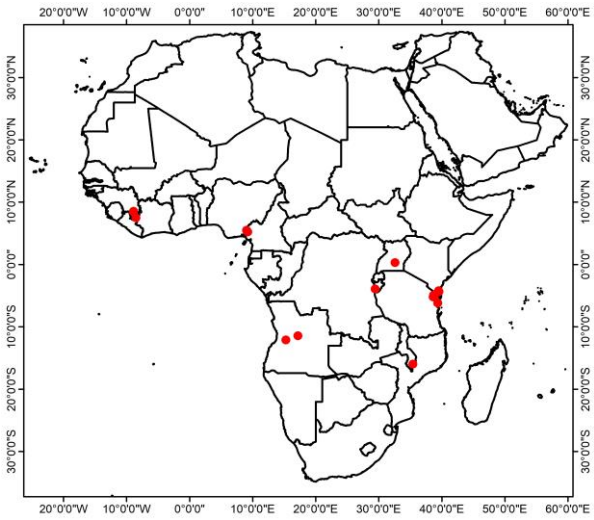

Figure 341. Distribution of *Pipistrellus grandidieri*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Burundi, Cameroon, Côte d'Ivoire, Guinea, Kenya, Liberia, Malawi, Tanzania, Uganda.

Pipistrellus hanaki Hulva and Benda, 2004

*2004. *Pipistrellus hanaki* Hulva and Benda, in: Benda, Hulva and Gaisler, Acta Chiropt., 6 (2): 207. Type locality: Libya: Cyrenaica: Al Jabal Al Akhdar district:: (ca. 5 km) SW of Al Bayda: Wadi al Kuf [32 44 N 21 41 E, 495 m] [Goto Description]. Holotype: NMP 49897: ad ♂, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 19 May 2002. 3 paratypes: see Benda *et al.* (2004b: 207). Paratype: NMP 49890: ad ♀, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 18 May 2002; original number: pb2135. collected at: 'Arqub Ash Shafshaf, ca. 3 km south of Al Hilal, Cyrenaica, Libya; 32.87°N, 22.18°E. (see Benda in Mlíkovský *et al.*, 2011: 136). Paratype: NMP 49891: ad ♂, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 18 May 2002; original number: pb2136. collected at: 'Arqub Ash Shafshaf, ca. 3 km south of Al Hilal, Cyrenaica, Libya; 32.87°N, 22.18°E. (see Benda in Mlíkovský *et al.*, 2011: 136). Paratype: NMP 49892: ad ♀, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 18 May 2002; original number: pb2137. collected at: 'Arqub Ash Shafshaf, ca. 3 km south of Al Hilal, Cyrenaica, Libya; 32.87°N, 22.18°E. (see Benda in Mlíkovský *et al.*, 2011: 136). Paratype: NMP 49894: ad ♀, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 19 May 2002; original number: pb2142. Paratype: NMP 49895: ad ♀, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 19 May 2002; original number: pb2143. Paratype: NMP 49896: ad ♀, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 19 May 2002; original number: pb2144. Paratype: NMP 49902: sad ♂, alcoholic (skull not removed). Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 20 May 2002; original number: pb2150. Collected at a small cave in the central part of Wadi Al Kuf, 8 km southwest of Massah, Cyrenaica, Libya; 32.70 N 21.58 E (see Benda in Mlíkovský *et al.*, 2011: 136). Paratype: NMP 49903: ad ♀, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 20 May 2002; original number: pb2151. Collected at a small cave in the central part of Wadi Al Kuf, 8 km southwest of Massah, Cyrenaica, Libya; 32.70 N 21.58 E (see Benda in Mlíkovský *et al.*, 2011: 136). Paratype: NMP 49904: ad ♀, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 20 May 2002; original number: pb2152. Collected at a small cave in the central part of Wadi Al Kuf, 8 km southwest of Massah, Cyrenaica, Libya; 32.70 N 21.58 E (see Benda in Mlíkovský *et al.*, 2011: 136). - Etymology: In honour of prof. Vladimír Hanák (Prague, Czech Republic), who signficantly contributed to the knowledge of the Palaearctic bat fauna (see Benda *et al.*, 2004b: 208). (Current Combination)

TAXONOMY:
See Benda *et al.* (2004b; 2009a).

Evin *et al.* (2011: 2095 - 2097) confirm that *hanaki* is composed of two different lineages: *P. hanaki hanaki* from Libya and *P. hanaki creticus* Benda, 2008 from Crete, which differ also in size and shape of the skull.

COMMON NAMES:
Czech: netopýr kyrénský. Dutch: Hanak's dwergvleermuis. English: Hanaki's Dwarf Bat. French: Pipistrelle de Libye. German: Hanaks Zwergfledermaus, Hanaks Pipistrelle.

SIMILAR SPECIES:
Pipistrellus hanaki differs from its nearest relatives *P. pipistrellus* and *P. pygmaeus* chromosomally, and by its larger skull and teeth, and a number of other characters (Benda *et al.*, 2004b).

CONSERVATION STATUS:
Global - This recently described species, little or no data is available on population size and trend, distribution, or potential threats. Assessed as Data Deficient DD ver 3.1 (2001) (Aulagnier and Palmeirim, 2008a; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Aulagnier and Palmeirim, 2008a; IUCN, 2009).

MAJOR THREATS:
Unknown (Aulagnier and Palmeirim, 2008a; Thorn *et al.*, 2009).

CONSERVATION ACTIONS:
Unknown (Aulagnier and Palmeirim, 2008a; IUCN, 2009).

GENERAL DISTRIBUTION:
Pipistrellus hanaki is known only from a small area on the Libyan coast (in the Cyrenaica area) (Benda *et al.*, 2004b), and from Crete (Greece) (see Benda *et al.*, 2009b).

Native: Greece (Benda *et al.*, 2009b); Libyan Arab Jamahiriya (Benda *et al.*, 2004b).

DETAILED MORPHOLOGY:
Herdina *et al.* (2013: 68) indicate that *P. hanaki* can not be separated from either *P. pipistrellus* or *P. pygmaeus* by the shape of its baculum. They found that the proximal third of the baculum shows the most interspecifice variation between these three species, whereas the shape of the curve in lateral view shows the most individual variation.

ECHOLOCATION:
Georgiakakis and Russo (2012: 168) report that the echolocation call has a FM-QCF structure, consisting of a frequency modulated component followed by an almost constant frequency part. They (p. 169) also were able to distinguish two types of social calls: type 'A' (primarily emitted by foraging bats) with a maximum energy frequency (FMAXE) of about 27.7 kHz, and a duration of 19.9 ms, of which type 'B' had a maximum energy frequency of all components (Freq) of about 20.9 kHz and a bandwidth of 28 kHz, and a duration of 24.8 ms. The number of calls of type 'B' increased from July to October and then decreased again, whereas those of type 'A' decreased from July to November.

MOLECULAR BIOLOGY:
DNA - See Benda *et al.* (2004b), Hulva *et al.* (2004).
Karyotype - Unknown
Protein / allozyme - Unknown.

DIET:
From Libya, Benda *et al.* (2014c: 60) reported the following food items: Smaller Lepidoptera and small Coleoptera (Scarabaeidae, Carabidae, Staphylinidae). Two digestive tracts contained high volumes of cockroaches (Blattodea), and small amounts of Nematocera (Culicidae and Chironomidae) as well as Hymenoptera (Ichneumonoidea).

POPULATION:
Structure and Density - Unknown (Aulagnier and Palmeirim, 2008a; IUCN, 2009).
Trend - 2008 - Unknown (Aulagnier and Palmeirim, 2008a; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Smotherman *et al.* (2016: 537) refer to Georgiakakis and Russo (2012) in describing the song structure for this species as consisting of different syllable types in basic motif. These bats sing while flying.

REPRODUCTION AND ONTOGENY:
Benda *et al.* (2014c: 55) reported pregnant females (each containing one foetus) collected on 17, 18, and 19 May 2002 at different localities in Libya.

PARASITES:
Benda *et al.* (2014c: 60) reported the presence of two Nycteribiid bat flies: *Basilia daganiae* Theodor and Moscona, 1954 and *Basilia mediterranea* Hurka, 1970.

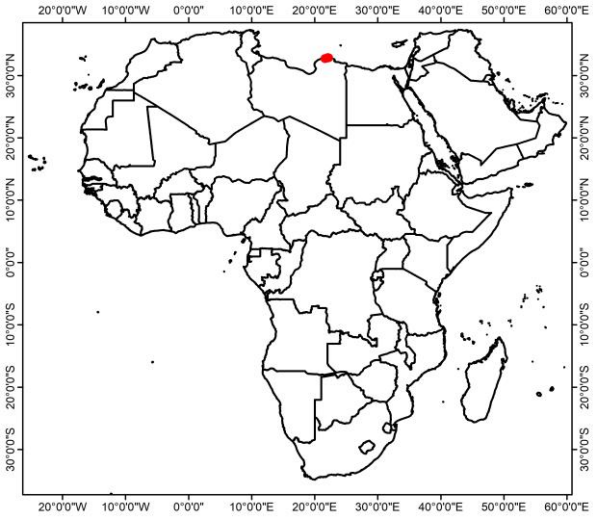

Figure 342. Distribution of *Pipistrellus hanaki*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Libya.

Pipistrellus hesperidus (Temminck, 1840)

1832. *Vespertilio platycephalus* Temminck, in: Smuts, Enumer. Mamm. Capensium, 107. Type locality: South Africa: Cape Town [33 56 S 18 28 E].

*1840. *Vespertilio hesperida* Temminck, Monographies de mammalogie ou description de quelques genres de mammifères, dont les espèces ont été observées dans les différens musées de l'Europe, 2: 211. Type locality: Eritrea: Abyssinia: Red Sea, shores of the [ca. 09 N 39 E] [Goto Description]. Lectotype: SMF 12381: ad ♂, skin and skull. Collected

by: Wilhem Peter Edward Simon Rüppell; collection date: 1842. Old catalog number II.N.9*. - Etymology: From the feminine scientific Latin adjective *hespèrida*, meaning "evening animal", deriving from the feminine Greek substantive "*ἑσπέρα*" (hespèra), meaning "evening", as this bat, as almost all Chiroptera, begins to fly at dusk (see Lanza *et al.*, 2015: 410).

1969. *Vesperugo hespirida:* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 206. (Name Combination, Lapsus)

2001. *Pipistrellus hesperidus:* Kock, Senckenb. biol., 81 (1/2): 277. (Name Combination, Current Combination)

2002. *Pipistrellus cf. kuhlii:* Kearney, Volleth, Contrafatto and Taylor, Acta Chiropt., 4 (1): 55. - Comments: Not of Kuhl, 1817.

? *Pipistrellus (Pipistrellus) kuhlii:*

? *Pipistrellus hesperidus 3:*

? *Pipistrellus hesperidus fuscatus:* (Name Combination)

? *Pipistrellus kuhlii:* - Comments: Not of Kuhl, 1817.

TAXONOMY:
Pipistrellus hesperidus was separated from *kuhlii* by Kock (2001b: 277).

Vespertilio platycephalus Temminck, 1832 is according to Roberts (1951) a synonym of *P. kuhlii*, which would make this the senior synonym. However, both Allen (1939a) and Ellerman *et al.* (1953) regard this taxon as unidentifiable, besides which it seems to fall outside the known distribution of this species (Meester *et al.*, 1986: 52).

Koubínová *et al.* (2013: 8) suggest that three subspecies might deserve elevation to species rank: *hesperidus* (North-eastern Africa), *fuscatus* (Afro-tropical regions other than Southern Africa and Madagascar), and *subtilis* (Southern Africa and Madagascar), but they also indicate that the cyt *b* of Senegalese "*hesperidus*" differs considerably (13 %) from that in populations from South Africa, and might nieed to be considered a distinct species.

COMMON NAMES:
Czech: netopýr jižní. English: African pipistrelle, dusky pipistrelle. French: Pipistrelle hespéride. German: Abendstern-Zwergfledermaus, Abendstern-Pipistrelle, Netzhäutigen Dämmerungsfledermaus, Flachköpfige Dämmerungsfledermaus. Italian: Pipistrèllo seràle.

ETYMOLOGY OF COMMON NAME:
Since sub-Saharan Africa populations are specifically distinct from Kuhl's pipistrelle occuring in the Palaeartic region (Kock 2001?a), the name African pipistrelle serves to distinguish it from Kuhl's pipistrelle (Bronner *et al.*, 2003; Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Mickleburgh *et al.*, 2008dp; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Mickleburgh *et al.*, 2008dp; IUCN, 2009). 2004 - LC ver 3.1 (2001) [assessed as part of *P. kuhlii*] (IUCN, 2004).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016p). 2004 - LC ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate [assessed as *P. kuhlii*] (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Mickleburgh *et al.*, 2008dp; IUCN, 2009).

CONSERVATION ACTIONS:
Mickleburgh *et al.* (2008dp) [in IUCN (2009)] report that in view of the species wide range it is presumably present in a number of protected areas. It has been recorded from the Parc National de Kirindy-Mitea on Madagascar (Bates *et al.*, 2006). Additional taxonomic studies are needed to better define the extent of the species range relative to other species of *Pipistrellus*.

GENERAL DISTRIBUTION:
Pipistrellus hesperidus has been recorded over much of sub-Saharan Africa. It ranges from the Cape Verde Islands, to Liberia and Côte d'Ivoire, to Nigeria, Cameroon and Equatorial Guinea (Bioko), western Democratic Republic of the Congo, southern Sudan, Ethiopia, Eritrea and Somalia, into Kenya and Uganda, Rwanda, Burundi, Tanzania, Malawi, Mozambique, Zambia, Zimbabwe, Angola being found as far south as eastern and southern South Africa and possibly Swaziland. There are a few records of this species

from central western Madagascar (Bates *et al.*, 2006: 317).

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 820,815 km^2.

In the RSA, the species' distribution is strongly associated with annual precipitation (Babiker Salata, 2012: 49).

The current identity of bats from the Arabian Peninsula formerly allocated to *Pipistrellus kuhlii* is unclear and some records might refer to *P. hesperidus*. Simmons (2005) also indicates that this species is present in the Canary Islands (Spain). However, this distribution needs to be confirmed. Records from North Africa are referable to *Pipistrellus kuhlii*.

Native: Botswana (Monadjem *et al.*, 2010d: 571); Burundi; Cameroon (Eisentraut, 1968: 171 - as "*P. kuhlii* - 1st record from West Africa); Cape Verde; Congo (The Democratic Republic of the); Equatorial Guinea (Bioko); Eritrea; Ethiopia (Lavrenchenko *et al.*, 2004b: 134); Kenya; Liberia (Fahr, 2007a: 104); Madagascar (Bates *et al.*, 2006: 317); Malawi (Ansell, 1974; Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 571); Mozambique (Smithers and Lobão Tello, 1976; Monadjem *et al.*, 2010d: 571; Monadjem *et al.*, 2010c: 384); Nigeria; Rwanda; South Africa (Monadjem *et al.*, 2010d: 571); Swaziland (Monadjem *et al.*, 2010d: 572); Tanzania (Stanley and Goodman, 2011: 47); Uganda; Zambia (Ansell, 1978; Monadjem *et al.*, 2010d: 572); Zimbabwe (Cotterill, 2004a: 261; Monadjem *et al.*, 2010d: 572).
Presence uncertain: Spain (Canary Isands).

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) as *P. kuhlii* and Kearney *et al.* (2002) as *P* cf. *kuhlii*.

ECHOLOCATION:
Schoeman and Waddington (2011: 291) mention a peak frequency of 56.3 ± 2.1 kHz and a duration of 2.2 ± 0.2 msec for specimens from Durban, South Africa.
In Soutpansberg, South Africa, Taylor *et al.* (2013b: 17) recorded the following parameters for 19 calls: F_{max}: 66.9 ± 8.91 (48.5 - 82.0) kHz, F_{min}: 44.9 ± 1.53 (41.3 - 47.2) kHz, F_{knee}: 50.3 ± 2.50 (44.9 - 54.7) kHz, F_{char}: 45.8 ± 1.78 (41.5 - 49.1) kHz, duration: 2.6 ± 0.85 (1.7 - 5.0) msec.
Linden *et al.* (2014: 40) reported the following parameters from the Soutpansberg area (RSA): F_{min}:41 - 47 kHz, F_{char}: 42 - 49 kHz, F_{knee}: 45 - 55 kHz, Slope: 154 - 829 OPS, duration: 2 - 5 msec.
At Farm Welgevonden, South Africa, Taylor *et al.* (2013a: 556) report a F_{knee} value of 50 (45 - 55) kHz.

Monadjem *et al.* (2017c: 179) reported the following values for Swaziland: F_{min}: 45.3 ± 1.87 (41.7 - 49.1) kHz, F_{knee}: 49.6 ± 2.42 (44.6 - 54.3) kHz, F_c: 46.0 ± 1.83 (42.5 - 50.0) kHz, and duration: 3.1 ± 0.63 (2.3 - 4.5) msec.

MOLECULAR BIOLOGY:
DNA - Unknown.

Karyotype - Rautenbach *et al.* (1993), Volleth *et al.* (2001) and Kearney *et al.* (2002) all reported 2*n* = 42, FN = 50, BA = 10, and a metacentric X chromosome, for specimens from South Africa and Madagascar. These results were the same as those obtained for *P. rusticus* (Kearney *et al.*, 2002). Rautenbach *et al.* (1993) also reported an acrocentric Y chromosome. GTG banding also identified that *P. hesperidus* and *P. rusticus* share the same Robertsonian fusion of chromosomes 11/12 (Kearney *et al.*, 2002). Volleth and Eick (2012: 169) indicate that the EMA segment order on chromosomal arm 2 of *P. hesperidus* is the same as that on human chromosome 4, but differs from that on chromosome 10 of *Rhinolophus hipposideros*, and conclude that the EMA segment order in the Vespertilioniformes is probably the ancentral one.

Koubínová *et al.* (2013: 3) report a different karyotype for 3 ♂♂ and 1 ♀ from Senegal: 2*n* = 46, Fna = 58, FN = 62, X = metacentric, and Y = dot-like. They also found that the cytochrome *b* in their specimens differed for about 13 % from that of South African specimens, which led them to the conclusion that Senegalese *P.* cf. *hesperidus* likely represents a different species.

Protein / allozyme - Unknown.

HABITAT:
Cooper-Bohannon *et al.* (2016: Table S2) indicate that, in southern Africa, *P. hesperidus* occurs primarily in Savanna (47 %), SW arid (20 %) and Afromontane (15 %) habitats.

DIET:
Naidoo *et al.* (2011: 26) reported the following volume percentages from the Umbilo River (KwaZulu Natal, RSA): during summer: Lepidoptera (7.8 ± 2.8), Coleoptera (12.3 ± 5.5), Hemiptera (32.8 ± 2.8), Diptera (37.8 ± 8.1), and Trichoptera (9.2 ± 7.1); during winter: Lepidoptera (16.9 ± 19.0), Coleoptera (20.4 ± 20.3), Hemiptera (12.6 ± 13.2), Diptera (13.7 ± 5.1), and Trichoptera (36.4 ± 38.7). From the Westville River, they reported for the summer: Lepidoptera (10.0 ± 4.5), Coleoptera (8.0 ± 3.8), Hemiptera (31.2 ± 10.7), Diptera (42.7 ± 11.4), Trichoptera (2.7 ± 0), and

Hymenoptera (5.4 ± 8.7).

From the Limpopo province (RSA), Taylor *et al.* (2017b: 245, 252 - 254) report the following food items, belonging to six insect orders: Lepidoptera (*Araeopteron* sp. + *Toxocampinae tathorhynchus* + *Eutelia polychorda* + *Chiasmia interrupta* + *Ennominae* sp. + *Isturgia roraria* + *Sena* sp. + *Sena prompta* + *Xenopseustis* sp. + *Athetis ignava* + *Copitarsia* sp. + *Cortyta canescens* + *Enmonodia capensis* + *Mythimna impura* + *Mythimna oxygala* + *Pandesma robusta* + *Pericyma atrifusa* + *Spodoptera exigua* + *Tycomarptes* sp. + *Maurilia arcuata* + *Pseudautomeris irene* + *Arotrura JFL201* + *Agrius convolvuli* + unmatched), Coleoptera (unmatched), Orthoptera (*Neoconocephalus spiza* + unmatched), Hemiptera (*Nezara viridula*), Diptera (*Culex quinquefasciatus* + 2 unmatched) and Blattodea (unmatched).

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the following avian predators: Little sparrowhawk (*Accipiter minullus* (Daudin, 1800)); Southern fiscal (*Lanius collaris* Linnaeus, 1766). They also mention "*P. kuhli*" being preyed upon by the Lanner falcon (*Falco biarmicus* Temminck, 1825), the Eurasian hobby (*Falco subbuteo* Linnaeus, 1758), the Common kestrel (*Falco tinnunculus* Linnaeus, 1758), but some of these records might involve *P. hesperidus*. Their references to the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) probably all refer to *P. hesperidus* as these all point to sub-Saharan countries.

POPULATION:
Structure and Density - There is little information available on the abundance of this species, however, it is not very common in southern Africa (Skinner and Chimimba, 2005: 301; Mickleburgh *et al.*, 2008dp; IUCN, 2009).
Trend - 2008 - Unknown (Mickleburgh *et al.*, 2008dp; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
Stanley and Goodman (2011: 46 - 47) report on two females collected in early July 1991 in the West Usambara Mountains (Tanzania) of which one had an embryo in each uterine horn. Three other females, collected on 1 September 1992, did not show any signs of reproduction.

PARASITES:
Basilia robusta Theodor 1956 (Haeselbarth *et al.*, 1966: 111 - host recorded as *P. kuhlii*). Beaucournu and Noblet (1985: 635) also mention the possible presence of *Basalia daganiae* Theodor and Moscona, 1954 on a "*P. kuhlii*" from Kenya.

The bat fly "*Basilia* sp. 3" was reported from "*Pipistrellus* cf. *hesperidus*" by Ramasindrazana *et al.* (2017: 4).

Ramasindrazana *et al.* (2016: 6) report the presence of *Litosoma* Clade 2 (Nematoda: Onchocercidae) in Madagascan "*P.* cf. *hesperidus*".

The flea *Ischnopsyllus emminus* Jordan and Rothschild, 1921 was reported on "*P. kuhlii*" from Malawi by Beaucournu and Kock (1996).

The bat bugs *Cacodmus ignotus* Rothschild, 1912 and *Cacodmus sparsilis* Rothschild, 1914 (Hemiptera: Cimicidae) were reported from South Africa by Hornok *et al.* (2017a: 3).

Hornok *et al.* (2017b: 3) found larvae of the tick *Argas transgariepinus* White, 1846 (Ixodida: Argasidae) on a *P. hesperidus* from Makhado, RSA.

VIRUSES:
Coronaviridae
Anthony *et al.* (2017b: Suppl.) mention the beta-coronavirus MERS_like_CoV. Anthony *et al.* (2017a: 1) described a MERS_like CoV (strain PREDICT/PDF-2180) from *P.* cf. *hesperidus* from Uganda.

Paramyxoviridae
1 out of 11 Madagascan specimens tested by Mélade *et al.* (2016b: 4) was positive for paramyxoviruses.

Rhabdoviridae - Rabies like viruses
Lyssavirus - Rabies related viruses
Rabies - Oelofsen and Smith (1993) tested [as *P. kuhlii*] one individual brain, from Christiana, Free State Province South Africa by means of the "Rapid rabies enzyme immunodiagnosis" (RREID) test (Diagnostic Pasteur), and this did not test positive.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Botswana, Burkina Faso, Cameroon, Cape Verde, Côte d'Ivoire, Djibouti, Eritrea, Ethiopia, Ghana, Kenya, Liberia, Madagascar, Malawi, Mozambique, Niger, Nigeria, Rwanda, Senegal, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe.

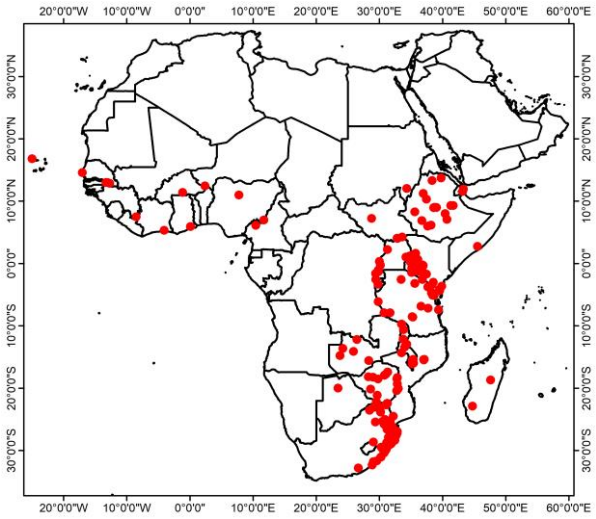

Figure 343. Distribution of *Pipistrellus hesperidus*

Pipistrellus hesperidus broomi Roberts, 1948

*1948. *Pipistrellus (Romicia) kuhlii broomi* Roberts, Special Publication of the Royal Society of South Africa, Robert Broom Commemorative volume, 9. Type locality: South Africa: KwaZulu-Natal: Durban: Malvern [29 53 S 30 56 E, 275 m]. Holotype: TM 1085: ad ♀. Collected by: Henry Paul William Lyster Jameson; collection date: 10 January 1908; original number: 425. Smithers *et al.* (1987: 463) also mention that three specimens have the number TM 1085 (both other specimens are probably TM 1081 [*P. nanus*] and TM 1087 [*P.* cf. *fuscatus* -> *P. hesperidus*]. - Comments: Type locality more likely to be Tzaneen Estates, Tzaneen, northeastern Transvaal (R.H.N. Smithers, in litt): see Meester *et al.* (1986: 52). However, see also Smithers *et al.* (1987: 463) for a discussion on the type locality and type specimen. They confirm "Malvern" as type locality.
1951. *Romicia kuhlii broomi:* Roberts, Mammals of South Africa, 82. (Name Combination)
1953. *Pipistrellus (Pipistrellus) kuhli broomi:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 78. (Name Combination)
1957. *P[ipistrellus] k[uhli] broomi:* Ansell, Ann. Mag. nat. Hist., ser. 12, 10 (115): 538. Publication date: 29 October 1957. (Name Combination)
1968. *P[ipistrellus] k[uhlii] broomi:* Hill, Bonn. zool. Beitr., 19 (1/2): 44. (Name Combination, Alternate Spelling)
1969. *Pipistrellus (Romicia) kuhli broomi:* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 167. - Comments: Alternate spelling for the name used by Roberts (1948). (Alternate Spelling)
1971. *Pipistrellus [(Pipistrellus)] kuhlii broomi:* Hayman and Hill, Mammals of Africa: Chiroptera, 40. (Name Combination, Alternate Spelling)
1992. *Pipistrellus kuhli broomi:* Trujillo, Murcielagos de las Islas Canarias, 23. (Name Combination)
? *Pipistrellus hesperidus broomi:* (Name Combination, Current Combination)
? *Pipistrellus kuhlii broomi:* (Name Combination)

GENERAL DISTRIBUTION:
KwaZulu-Natal (RSA).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
South Africa.

Pipistrellus hesperidus hesperidus (Temminck, 1840)

*1840. *Vespertilio hesperida* Temminck, Monographies de mammalogie ou description de quelques genres de mammifères, dont les espèces ont été observées dans les différens musées de l'Europe, 2: 211. Type locality: Eritrea: Abyssinia: Red Sea, shores of the [ca. 09 N 39 E] [Goto Description]. Lectotype: SMF 12381: ad ♂, skin and skull. Collected by: Wilhem Peter Edward Simon Rüppell; collection date: 1842. Old catalog number II.N.9*. - Etymology: From the feminine scientific Latin adjective *hespèrida*, meaning

"evening animal", deriving from the feminine Greek substantive "*ἑσπέρα*" (hespèra), meaning "evening", as this bat, as almost all Chiroptera, begins to fly at dusk (see Lanza *et al.*, 2015: 410).

1901. *Pipistrellus Kuhlii fuscatus* Thomas, Ann. Mag. nat. Hist., ser. 7, 8 (43): 34. Publication date: 1 July 1901. Type locality: Kenya: Naivasha [00 46 S 36 21 E] [Goto Description]. Holotype: BMNH 1901.8.9.96: ad ♂, skull and alcoholic. Collected by: Sir Harry H. Johnston; collection date: 19 October 1900. Presented/Donated by: Sir Harry H. Johnston.

1913. *Pipistrellus kuhli fuscatus:* Roberts, Ann. Transv. Mus., 4: 67. - Comments: Alternate spelling for the name used by Thomas, 1901. (Alternate Spelling)

1951. *Pipistrellus (Pipistrellus) kuhlii fuscatus:* Swynnerton and Hayman, J. East Afr. Nat. Hist. Soc., 20 (6-7) (90): 297 (for 1950).

? *Pipistrellus hesperidus hesperidus:* (Name Combination, Current Combination)

GENERAL DISTRIBUTION:
Sub-Saharan Africa with the exception of the extreme southeastern part of the continent.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Burundi, Ethiopia, Kenya, Malawi, South Sudan, Tanzania, Uganda.

Pipistrellus hesperidus subtilis (Sundevall, 1846)

*1846. *Vespertilio subtilis* Sundevall, Öfvers. kongl. Sv. Vet.-Akad. Förhandl., 3 (4): 119. Type locality: South Africa: "Interior of Caffraria". - Comments: Collector: J. Wahlberg.

1855. *Vespertilio (Vesperugo) subtilis:* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 5: 746. (Name Combination)

1860. *Hypsugo subtilis:* Kolenati, Monographie der Europäischen Chiroptern, 6. (Name Combination)

1917. *Pipistrellus kuhlii subtilis:* G.M. Allen, Bull. Mus. comp. Zool., 83: 94. (Name Combination)

1931. *Pipistrellus subtilis:* Hewitt, A guide to the Vertebrate fauna of the Eastern Cape Province, 23. (Name Combination)

1951. *Eptesicops subtilis:* Roberts, Mammals of South Africa, 83. (Name Combination)

1953. *Pipistrellus (Pipistrellus) kuhli subtilis:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 78. (Name Combination)

1971. *Pipistrellus [(Pipistrellus)] kuhii subtilis:* Hayman and Hill, Mammals of Africa: Chiroptera, 40. (Name Combination)

1978. *Pipistrellus kuhli subtilis:* Ansell, Mammals of Zambia, 27. (Name Combination)

1993. *subtilus:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 221. (Lapsus)

? *Pipistrellus hesperidus subtilis:* (Name Combination, Current Combination)

GENERAL DISTRIBUTION:
SE Africa.

Pipistrellus inexspectatus Aellen, 1959

*1959. *Pipistrellus inexspectatus* Aellen, Archs Sci. Genève, 12 (2): 226. Type locality: Cameroon: Upper Benoue Valley: Ngaaouyanga [07 59 N 13 36 E] [Goto Description]. Holotype: MHNC ad ♂, alcoholic (skull not removed). Collected by: Villy Aellen and Albert Monard; collection date: 11 July 1947; original number: 954. See Aellen (1959a: 226). (Current Combination)

1966. *P[ipistrellus] inexpectatus:* Hayman, Misonne and Verheyen, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., (8) 154: 52. (Lapsus)

1971. *Pipistrellus [(Pipistrellus)] inexpectatus:* Hayman and Hill, Mammals of Africa: Chiroptera, 41. (Name Combination, Lapsus)

1987. *Nycterikaupius inexpectatus:* Menu, Palaeovert., 17 (3): 109. Publication date: 15 November 1987. (Name Combination, Lapsus)

1987. *Pipistrellus (Pipistrellus) inexspectatus:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 281. (Name Combination)

1993. *Pipistrellus (Hypsugo) inexspectatus:* Koopman, in: Wilson and Reeder, Mammal species of the World (2nd Edition): Chiroptera, 220. (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: netopýr kamerunský. English: Aellen's Pipistrelle Bat, Aellen's Pipistrelle, Central Africa Pipistrelle. French: Pipistrelle d'Aellen, Pipistrelle d'Afrique centrale. German: Unerwartete Zwergfledermaus, Unerwartete Pipistrelle.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Fahr, 2008q; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Fahr, 2008q; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Fahr, 2004i; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are poorly known (Fahr, 2008q; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008q) [in IUCN (2009)] reports that it is not known if the species is present in any protected areas. Further field surveys are needed to better understand the distribution, natural history and possible threats to this little known bats species.

GENERAL DISTRIBUTION:
Pipistrellus inexspectatus has been recorded from a few localities in West and Central Africa. It has been reported from Sierra Leone, Ghana, Benin and Nigeria and Cameroon.

There are also uncertain records from east Sudan and Uganda, although the specimens in question are difficult to certainly allocate to *Pipistrellus inexspectatus* (Koopman, 1975). The records of *P. inexspectatus* from the Democratic Republic of the Congo and Kenya are now allocated to *Pipistrellus eisentrauti* (Koopman *et al.*, 1995; Simmons, 2005).

Native: Benin; Burkina Faso (Kangoyé *et al.*, 2012: 6026; 2015a: 621); Cameroon; Ghana; Nigeria; Sierra Leone.
Presence uncertain: Sudan; Uganda.

ECHOLOCATION:
One FM/QCF call from Maroua (Cameroon), reported by Manga Mongombe (2012: 79) had the following parameters: F_{max}: 54.7 kHz, F_{min}: 47.7 kHz, F_{mean}: 51.2 kHz, F_{knee}: 54.7 kHZ, F_{char}: 47.7 kHz, and duration: 0.46 msec.

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Fahr, 2008q; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, 2008q; IUCN, 2009).

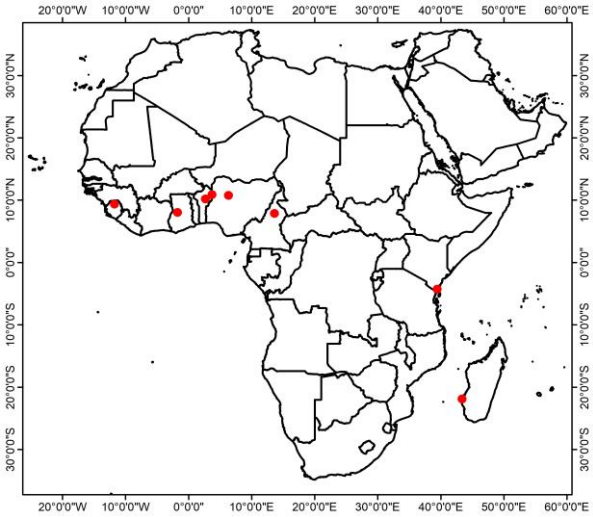

Figure 344. Distribution of *Pipistrellus inexspectatus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Cameroon, Côte d'Ivoire, Ghana, Kenya, Madagascar, Nigeria, Sierra Leone.

Pipistrellus kuhlii (Kuhl, 1817)

*1817. *Vespertilio Kuhlii* Kuhl, Die Deutschen Fledermäuse, Hanau, 14. Type locality: Italy: Friuli-Venezia Giulia and Trieste. - Comments: Koopman (1993a: 221) mentioned 1817 as year of publication, whereas Meester *et al.* (1986: 51), Harrison and Bates (1991: 85), Corbet and Hill (1992: 137) and Bates and Harrison (1997: 179) mention "1819: Ann. Wetterau Ges. Naturk., 4 (2) 199".

1830. *Vespertilio marginatus* Cretzschmar, in: Rüppell, Atlas Reise Nördlichen Afrika, Zoologie Säugethiere, 1: 74, pl. 29a. Type locality: "Africa": Nile valley or eastern desert of Egypt [Goto Description]. Holotype: SMF 4307: ad ♀, skin and skull. Collected by: Wilhem Peter

Edward Simon Rüppell; collection date: 1822. Don 1882; old catalog II.N.10.a: see Mertens (1925: 21). - Comments: Kock (1969a: 167) mentions "Arabia Petraea (=Sinai) und Nubien" as type locality. The publication date of Cretzschmar's work is sometimes indicated as "1826" (as mentioned on the title page), but also as "1827", "1828", "1830-1831".

1838. *Scotophilus Kuhlii:* Gray, Mag. Zool. Bot., Edinburgh, 2 (12): 497. (Name Combination)
1839. *Vesperugo Kuhlii:* Keyserling and Blasius, Arch. Naturgesch. Berlin, 5 (1): 319. (Name Combination)
1853. *V[esperugo (Vesperugo)] Kuhlii:* Blasius, Arch. Naturgesch. Berlin, 19 (1): 46. (Name Combination)
1855. *Vespertilio (Vesperugo) Kuhlii:* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 5: 729. (Name Combination)
1856. *Nannugo Kuhlii:* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (4): 131. (Name Combination)
1857. *S[cotophilus] marginatus:* Tomes, Proc. zool. Soc. Lond., 1857, XXV (cccxxx): 50.
1862. *Vespertilio (Nannugo) Kuhlii:* Koch, Nass. Naturw. Jahrb., 18: 396. (Name Combination)
1862. *Vespertilio (Nannugo) marginatus:* Koch, Nass. Naturw. Jahrb., 18: 397.
1865. *V[espertilio] (Pipistrellus) marginatus:* De Filippi, Note di un viaggio in Persia nel 1862, 343. (Name Combination)
1866. *Vesperugo marginatus:* Heuglin and Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 54 (6 - 10): 546.
1867. *Pipistrella marginata:* Loche, Exploration scientifique de l'Algerie pendant les années 1840, 1841, 1842. Mammifères, Cheiroptères, 77. (Alternate Spelling)
1867. *Pipistrella minuta:* Loche, Exploration scientifique de l'Algerie pendant les années 1840, 1841, 1842. Mammifères, Cheiroptères, 78. Publication date: 1867. Type locality: Algeria: Messad Oasis [34 11 N 03 31 E] [Goto Description]. (Name Combination, Alternate Spelling)
1871. *Pipistrellus marginatus:* Dobson, J. Asiatic Soc. Bengal, 40 (2): 460.
1871. *V[esperugo] Kuhli:* Doderlein, Alcune generalita Intorno la Fauna Sicula de Vertebrati, 31. (Name Combination)
1878. *Vesperugo (Vesperugo) kuhlii:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 230. (Name Combination)
1880. *Vesperugo Kühli:* Dobson, Bull. Soc. zool. France, 5: 235. (Name Combination)
1891. *Vesperugo (Vesperugo) kuhli:* Blanford, The fauna of British India, including Ceylon and Burma. Part II, 315. (Alternate Spelling)
1898. *P[ipistrellus] kuhli:* Thomas, Proc. zool. Soc. Lond., 1897, IV: 927. Publication date: April 1898. (Name Combination)
1899. *Vesperugo (Euvesperugo) kuhli:* Acloque, Faune de France, Mammifères, 36. (Name Combination)
1900. *Pipistrellus kuhlii:* Méhely, Monographia Chiropterorum Hungariae, 261. (Name Combination, Current Combination)
1902. *Pipistrellus deserti* Thomas, Proc. zool. Soc. Lond., 1902, II, I: 4. Publication date: October 1902. Type locality: Libya: Fezzan: Murzuk [25 56 N 13 57 E] [Goto Description]. Holotype: BMNH 1902.11.4.1: ad ♂, skin and skull. Collected by: Joseph Isaac Spadafora Whitaker; collection date: 30 May 1901; original number: 71. - Etymology: From *desèrti*, meaning "of the desert" (see Lanza *et al.*, 2015: 395).
1905. *Vespertilio (Pipistrellus) Kuhli:* Trouessart, Caus. sci. Soc. zool. France, 1 (10): 370/18. (Name Combination)
1909. *Pipistrellus kühli:* Satunin, Mitt. Kauk. Mus., 4: 299. (Name Combination)
1918. *Pipistrellus kuhli kuhli:* Wroughton, J. Bomb. nat. Hist. Soc., 25: 588. (Name Combination)
1936. *P[ipistrellus] k[uhlii] pallidus* Heim de Balsac, Supp. Bull. Biol. Fr. & Belg., 21: 43, 50, 180. Publication date: 1936. Type locality: Algeria: Northern Sahara: A'haggar, to the [ca. 23 30 N 06 00 E]. - Comments: Considered a nomen nudum by Allen (1939a: 94), Rode (1947: 138), Kock (1969a: 167). (Name Combination)
1936. *Pipistrellus kuhlii kuhlii:* Heim de Balsac, Supp. Bull. Biol. Fr. & Belg., 21: 91. (Name Combination)
1937. *[Pipistrellus Kühli] latastei* Laurent, Mammalia, 1: 157, footnote. Type locality: "Africa": Northern Africa [Goto Description]. - Comments: New name for *Pipistrellus kuhlii albolimbatus* Lavauden non Kuster (see Laurent, 1937c: 157 footnote). - Etymology: In honour of Mr. Lataste (see Laurent, 1937c: 157).

1937. *Pipistrellus Kühli Kühli:* Laurent, Mammalia, 1: 157. (Name Combination)
1951. *Pipistrellus kuhlii albolimbatus:* Panouse, Trav. Inst. Sci. Cherifien, 1: 80. (Name Combination)
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1971. *Pipistrellus [(Pipistrellus)] kuhlii pallidus:* Hayman and Hill, Mammals of Africa: Chiroptera, 40. (Name Combination)
1971. *Pipistrellus [(Pipistrellus)] kuhlii:* Hayman and Hill, Mammals of Africa: Chiroptera, 40. (Alternate Spelling)
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2008. *Pipstrillus Kuhli:* Selim, Nahla, and Shelfeh, Tishreen Univ. J. Res. Sci. Stud. - Biol. Sci. Ser., 30 (1): 247. (Name Combination, Lapsus)
? *Nannugo marginatus:*
? *Pipistrellus (Pipistrellus) deserti:*
? *Pipistrellus (Pipistrellus) kuhlii:* (Name Combination)
? *Pipistrellus kuhli:* (Alternate Spelling)
? *Pipistrellus kuhlii pallidus:* (Name Combination)

TAXONOMY:

Koopman (1994: 114) states that the allocation of many populations to subspecies is uncertain. Additionally, sub-Saharan specimens belong to *hesperidus*.

Although most authors have considered *P. deserti* as a separate species (Heim de Balsac, 1934a, 1936, Allen, 1939a, Ellerman and Morrison-Scott, 1951, Kock, 1969a, Kock, 1999b, Hayman and Hill, 1971, Gaisler *et al.*, 1972, Koopman, 1975, 1993a, 1994, Anciaux de Faveaux, 1976b, Hanák and Elgadi, 1984, Qumsiyeh, 1985, Gaisler and Kowalski, 1986, Hill and Harrison, 1987, Le Berre, 1990, Kowalski and Rzebik-Kowalska, 1991, Horácek *et al.*, 2000), others (Corbet, 1978, Aulagnier and Thevenot, 1986, Pavlinov *et al.*, 1995, Benda and Ruedi, 2004, Benda *et al.*, 2004d, perhaps Rode, 1947) doubted the full species status and regarded it as conspecific with *P. kuhlii*, but *P. deserti* and *P. kuhlii* are two separate morphotypes which differ clearly in size

(Gaisler *et al.*, 1972, Kowalski and Rzebik-Kowalska, 1991). As these forms do not occur in sympatry (but see Kowalski and Rzebik-Kowalska, 1991), they may perhaps represent two ecogeographic forms of one species. However, this question requires profound revision of the whole *P. kuhlii* complex both on morphologic and genetic bases (see Kock, 2001b). Mayer *et al.* (2007) reported genetic evidence that *P. deserti* are not distinct from *P. kuhlii*, while García-Mudarra *et al.* (2009) found a differentiation in the cytochrome *b*. Benda *et al.* (2014c: 75) indicate that the presence of bats of the *deserti* morphotype within two separate lineages of *P. kuhlii*, the Libyan-Egyptian and Morrocan, suggests two directions of origin of this morphotype, the west-Saharan and east-Saharan, which in turn indicate that the *deserti* morphotype is a local variation (ecomorphotype) of *P. kuhlii*, which does not deserve taxonomic expression even at the subspecific level.
Benda *et al.* (2014a: 419) presented sufficient prove to support the view that significant differences between the two morphotypes are grouped by geographic origin, and that *P. deserti* should be considered a junior synonym of *P. kuhlii*.

The authorship and description date for *Vespertilio kuhlii* has been debated for years. It has been assigned to either Kuhl, Natterer or "Natterer (in Kuhl)". The publication year was mentioned as either 1817 or 1819. This confusing situation has been cleared by Bogdanowicz and Kock (1998), who fixed author and date to Kuhl, 1817.

Similarly, the authorship of *marginatus* has been assigned to various authors: Cretzschmar, 1826-1830, Rüppell, 1826, Wagner, 1840, Bonaparte, 1841, and Kolenati, 1856.

In the synonyms list for this species, we did not make a difference for the author and/or year of publication mentioned by the various publications when dealing with *kuhlii*.

COMMON NAMES:
Albanian: Pipistrel i Kuhl-it. Afrikaans: Kuhl se vlermuis, Kuhl-vlermuis. Basque: Kuhl saguzar. Catalonian (Spain): Rat penat de vores clares. Czech: netopýr vroubený, nedopír celouchý, netopýr červenohlavý, netopýr jižní. Dutch: Kuhl's dwergvleermuis. English: Kuhl's Pipistrelle, Kuhl's Pipistrelle Bat, Kuhl's Bat, Great pipistrelle, White stripe bat. French: Pipistrelle de Kuhl, Pipistrelle géante. Gallician (Spain): Morcego de beira branca. German: Weißrandfledermaus, Weißrand-Pipistrelle, Haarbindigen Dämmerungsfledermaus. Greek: Λευκονυχτερίδα. Hungarian: Fehérszélu törpedenevér, Nycteris i leukogyros. Italian: Pipistrello albolimbato, Pipistrello de Kühli. Macedonian: Beloraben Liljak. Maltese: Pipistrell ta' Kuhl. Portuguese: Morcego de Kuhl, Morcego anao de Kuhl. Roman: Pipistrel da Kuhl. Romanian: Liliacul cu dungã albã. Russian: Нетопырь Куля, средиземноморский (Sredizemnomorskij netopyr). Slovenian: belorobi netopir. Spanish (Castillian): Murciélago de borde claro. Swedish: Kuhls fladdermus.

CONSERVATION STATUS:
Global - The species is widespread and abundant, and populations are increasing in parts of the range. Consequently, it is assessed as Least Concern (LC ver 3.1 (2001)) (Aulagnier *et al.*, 2008b; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Aulagnier *et al.*, 2008b; IUCN, 2009). 2004 - LC ver 3.1 (2001) [assessment included *P. hesperidus*] (Aulagnier, 2004c; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

For *P. deserti*, the assessment history was:
2008 - LC ver 3.1 (2001) (Benda *et al.*, 2008d; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Benda, 2004a; IUCN, 2004). 1996 - LR/lc [assessed as *P. aegyptius*] (Baillie and Groombridge, 1996).

MAJOR THREATS:
No major threats are known. Use of pesticides to eradicate mosquitos (especially in urban areas) may be a threat in places (Aulagnier *et al.*, 2008b; IUCN, 2009).

Sherwin *et al.* (2012: 174) name aerial hawking and its long-distance dispersal to be the most important risk factors related to climatic change. Bilgin *et al.* (2012: 434) indicate that climatic change is already influencing this species as it has been expanding its range northwards over the past 15 years.

CONSERVATION ACTIONS:
Aulagnier *et al.* (2008b) [in IUCN (2009)] report that it is protected by national law in most European range states. It is also protected under international legislation in parts of its range through the Bonn Convention (Eurobats) and Bern Convention, and is included in Annex IV of EU Habitats and Species Directive. It is found in a number of protected areas. No specific conservation actions are known.

GENERAL DISTRIBUTION:
Pipistrellus kuhlii is widespread in North Africa, Europe and Asia. It has a large range extending from Iberia through southern Europe through the Near East and the Caucasus to Kazakhstan,

Pakistan, and India (Molur *et al.*, 2002). There is a single record from China (Smith and Xie, 2008). The northern limit of its range in Europe was formerly ca. 45°N, but the species has been expanding northwards. It arrived 1994 in Vienna/Austria (48°N) and was more recently recorded to 50°N in France and 51°N in Ukraine. It has been expanding northwards in Russia for the last half century from 46° N to c.53°N, with the highest record made at almost 57°N (S. Kruskop *pers. comm.*, 2006 in Aulagnier *et al.*, 2008b). It occurs from sea level to 2,000 m.

Native: Afghanistan; Albania; Algeria; Andorra; Angola; Armenia; Austria; Azerbaijan; Bosnia and Herzegovina; Burkina Faso (as *P. deserti*); Bulgaria; Cape Verde Isls (Azzaroli Puccetti and Zava, 1988); Croatia; Cyprus (Benda *et al.*, 2007: 71); Czech Republic (Reiter *et al.*, 2007: 47); Egypt; France [Corsica]; Georgia; Germany; Gibraltar; Greece [Crete]; Holy See [Vatican City State]; Hungary; India; Iran, Islamic Republic of; Iraq; Israel; Italy [Sardegna, Sicilia]; Jordan; Kazakhstan; Kuwait; Lebanon (Horácek *et al.*, 2008: 59); Libyan Arab Jamahiriya; Macedonia, the former Yugoslav Republic of; Malta; Monaco; Montenegro; Morocco (Benda *et al.*, 2004d; 2010a: 158; El Ibrahimi and Rguibi Idrissi, 2015: 362); Oman; Pakistan; Palestinian Territory, Occupied; Portugal; Romania; Russian Federation; San Marino; Saudi Arabia; Serbia; Slovakia; Slovenia; Spain [Baleares, Canary Is.] (Azzaroli Puccetti and Zava, 1988); Sudan (as *P. deserti*); Switzerland; Syrian Arab Republic; Tunisia (Dalhoumi *et al.*, 2014: 53; 2016b: 867); Turkey; Ukraine; United Arab Emirates (Anonymus, 2008: 38); Western Sahara (Benda *et al.*, 2010a: 161); Yemen.

Presence uncertain: China. Additionally, its presence (as *P. deserti*) was reported as uncertain from Ghana, Kenya, Nigeria, Senegal, and Somalia.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Alagaili *et al.* (2011: 466) describe the timing and molting patterns of *P. kuhlii* specimens from Saudi Arabia. They found that males were molting from the end of April to the end of August, whereas females were molting from the end of May/beginning of June to the end of August. The later molting in females was probably related to the fact that females gave birth between mid-April and mid-May. The molting itself starts at the back of the head and on the lower back and spreads from there over the entire head and back. Ventrally, the molt starts on the neck, around the nipples and along the sides of the body, then making its way to the centre of the chest.

DENTAL FORMULA:
Dorst (1949: 45-46, fig. 1) provides a description of the milk dentition of *P. kuhlii*. He also indicated (p. 47) that the milk teeth show some sort or heterodonty with the premolars being of different shape when compared with the insors and canines, which look more similar to one another. These latter teeth help the young to cling to the mother's nipples.

DETAILED MORPHOLOGY:
Ibraheem and Shelfeh (2008) report on the anatomy and histology of the digestive tract of Syrian *P. kuhlii*.
Selim *et al.* (2008: 247) studied the microscopical structure of the tongue of Egyptian and Syrian *P. kuhlii* specimens and found some differences between them.

SEXUAL DIMORPHISM:
In a year-round study in Tunisia, Dalhoumi *et al.* (2016a: 157) found adult females to be significantly heavier than males.

ECHOLOCATION:
For 31 Greek specimens, Papadatou *et al.* (2008b: 133) report a start frequency of 59.8 ± 14.75 kHz, a terminating frequency of 37.5 ± 1.33 kHz, a peak frequency of 39.7 ± 1.46 kHz, and a bandwidth of 9.4 ± 2.85 kHz. The duration of the call is 6.4 ± 1.38 msec, and the interpulse interval is 124.7 ± 44.55 msec.
Walters *et al.* (2012: suppl.) mention the following numbers for 47 calls of bats from France, Greece, Italy and Switzerland: duration: 5.62 ± 1.43 msec, F_{max}: 53.57 ± 10.08 kHz, F_{min}: 36.87 ± 2.15 kHz, bandwidth: 16.70 ± 9.93 kHz, F_{peak}: 39.77 ± 2.63 kHz.

In Jordan, Benda *et al.* (2010b: 204) reported the following parameters for 76 calls: F_{start}: 51.7 ± 6.2 (41.4 - 65.6) kHz, F_{end}: 39.1 ± 1.1 (41.4 - 65.6) kHz, F_{peak}: 41.1 ± 1.1 (37.2 - 43.2) kHz, duration: 6.4 ± 1.7 (3.4 - 10) msec, interpulse interval: 112.9 ± 38.0 (70.0 - 279.0) msec. For 37 calls from Iran, Benda *et al.* (2012a: 183) report: F_{start}: 48.9 ± 4.5 (43.26 - 60.5) kHz, F_{end}: 41.1 ± 1.6 (38.7 - 44.3) kHz, F_{peak}: 42.2 ± 1.9 (39.1 - 46.8) kHz, duration: 6.1 ± 1.3 (4.0 - 9.0) msec, and interpulse interval: 106.5 ± 38.7 (54.4 - 231.9) msec.

In Israel, the following values were recorded by Hackett *et al.* (2016: 223) for 84 calls: Pulse duration: 4.57 ± 2.05 msec, F_{start}: 51.27 ± 4.54 (40 - 71.2) kHz, F_{end}: 40.58 ± 1.54 (37 - 43.9) kHz, F_{peak}: 41.48 ± 1.53 (37 - 42.8) kHz.

Boonman *et al.* (2013b: 6) determined the detection range to be between 2 and 3.5 m at 20 dB and 4 and 7 m at 0 dB.

Corcoran and Moss (2017: 4560) refer to Amichai *et al.* (2015), who found that *P. kuhlii* solved the jamming problem of extreme acoustic interference from conspecifics not by adjusting call frequency but by emmiting calls of hither intensity, longer duration, and calling more often. This suggests that the bats try to increase the signal-to-noise ratio rather than avoiding spectral overlap.

MOLECULAR BIOLOGY:
DNA - See Mayer *et al.* (2007), García-Mudarra *et al.* (2009).
Karyotype - Both Baker *et al.* (1974) and Iliopoulou-Georgudaki and Giagia (1986) reported 2*n* = 44, FN = 50, and BA = 8. However, Baker *et al.* (1974) reported a submetacentric X chromosome and an acrocentric Y chromosome, whereas Iliopoulou-Georgudaki and Giagia (1986) reported metacentric X and Y chromosomes. Rushton (1970: 465) reported 2*n* = 44, FN = 50, X = metacentric and Y = acrocentric. Arslan and Zima (2014: 13) indicate that the autosomal set consists of three large and one small metacentric pairs, 15 acrocentric pairs and two dot-like pairs, and both sex chromosomes are medium-sized. According to Capanna and Manfredi Romanini (1971: 474) the autosomal chromosomes consist of 3 metacentric pairs, 1 submetacentric and 17 acrocentrics.

Bray *et al.* (2013: 5) indicate that widspread species - such as *P. kuhlii* - have extensive genetic diversity.

Protein / allozyme - Andriollo *et al.* (2015: 1) examined the COI gene in in European and North African *P. kuhlii* populations and found that all North African nuclear genotypes were grouped in a highly distinct subpopulation when compared with European samples sharing the same mitochondrial barcodes. In their figure 1 (p. 3), they show that the North African populations (including *deserti* have very similar haplotypes with the eastern European populations from the Balkan and Italy, but differ considerably from the western lineage found in France and Spain.

ROOST:
All of the roost found in Libya by Benda *et al.* (2014c: 64) were in ruins, with one exception for a single male in a rock fissure in an overhang.

DIET:
Benda *et al.* (2012a: 448) report that the diet is very variable over the species' distribution range: Diptera, Lepidoptera, Hymenoptera (particularly Formicoidea), Auchenorrhyncha, Coleoptera, and Heteroptera comprised a major part of the diet. For Iran, they found Coleoptera, Heteroptera, and Auchenorrhyncha to be the most important food items.

Also in Libya, Benda *et al.* (2014c: 77) report a very variable diet for *P. kuhlii*, where smaller moths (Lepidoptera) and beetles (Coleoptera) were the most important types of prey. The beetles belonged to the families Scarabaeidae, Carabidae (frequently Harpalini), Staphylinidae, Tenebrionidae, Chrysomelidae. Furthermore, ants (Hymenoptera: Formicoidea) formed a major part of the diet. Additionally, medium-sized brachyceran Diptera (Muscidae, Asilidae) were identified, as well as Neuroptera (Chrysopidae and Hemerobiidae).

PREDATORS:
Reuven (1991: 79) reported on *P. kuhlii* being captured by a Lanner Falcon (*Falco biarmicus* Temminck, 1825) in Israel. Mikula *et al.* (2016: Supplemental data) furthermore mention the same predator from either Botswana, Egypt, Ethiopia, Kenya, Nigeria, Sudan or South Africa. Part of these records might actually be for *P. hesperidus*. This is also the case for their record involving the Peregrine falcon (*Falco peregrinus* Tunstall, 1771).

POPULATION:
Structure and Density - It is a relatively abundant species in the Mediterranean region and Middle East. Populations in South Asia seem to be stable and doing well (Molur *et al.*, 2002). Summer colonies typically number 30-100 individuals. In Iran and the Caucasus, the species' range is increasing, and it is displacing *P. pipistrellus* (M. Sharifi and K. Tsytsulina *pers. comm.*, 2005 in Aulagnier *et al.*, 2008b). The northern border of the species' range is also expanding. It is very numerous in urban areas across much of its range (Aulagnier *et al.*, 2008b; IUCN, 2009).
As *P. deserti*, it was reported to be the most common species in Sahara oases (Benda *et al.*, 2008d; IUCN, 2009).
Trend - 2008 - Unknown (Aulagnier *et al.*, 2008b; IUCN, 2009). *P. kuhlii* populations within the Asia Minor and Levant region are unknown population trend, under predictive climate change scenarios (Bilgin *et al.*, 2012: 433).

LIFESPAN:
Szekely *et al.* (2015: Suppl.) report a maximum longevity of 8 years.

ACTIVITY AND BEHAVIOUR:
In the Negev Desert, Polak *et al.* (2011: 24) found that *P. kuhlii* had a significantly higher flight speed when flying in areas with street lamps, than in in dark areas. They also found that flight height was higher in dark areas than in lighted areas (> 1 m).

Smotherman *et al.* (2016: 537) refer to Barak and Yom-Tov (1991) and Russo and Jones (1999) in describing the song-like structure for *P. kuhlii* as simple syllable type in a basic motif. Singing occurs while flying.

REPRODUCTION AND ONTOGENY:
Deleuil and Labbe (1955b: 238) reported three lactating females from El Hamaïn (Tunisia) on 24 July 1955.

In Libya, Benda *et al.* (2014c: 71) report on four pregnant females colleced on 16 April, 16 on 20 April, 2 on 8 May, 3 on 22 May, and 1 on 23 May. Lactating females were found on 8, 21, 26 and 27 May. Szekely *et al.* (2015: Suppl.) report that weaning occurs after 60 days.

In the United Arab Emirates, Davis (2007: 8) indicates that females are sexually mature in their first year, and that two young are born.

POSTNATAL DEVELOPMENT:
Sharifi *et al.* (2012: 1235) studied the development of Iranian *P. kuhlii* specimens born in captivity and found that, at birth, young had a mean body mass of 1.04 ± 0.08 g and a forearm length of 11.48 ± 0.45 mm. During the first 23 days of their live, their body mass and forearm lenght increased on average with 0.10 ± 0.10 g/d and 0.64 ± 0.61 mm/d. Wingspan, handwing length and area, armwing length and area, and total wing area increased linearly until the age of the 1st flight (at 33 days), after which growth rates significantly declined. At the age of 60 d, the young had an average weight of 5.47 ± 0.07 g (87.56 % of the adult) and the mean forearm length of 35.97 ± 0.86 mm (89.46 % of the adult length).

PARASITES:
Korine *et al.* (2012: 1435) experimentally infested *P. kuhlii* specimens with the flea *Xenopsylla ramesis*, whose normal host is Sundevall's jird (*Meriones crassus*). They found that both male and female fleas engorged less blood from the bats than from the jird (and less than from *R. aegyptiacus* specimens tested during the same study). They also found that the survival time of the fleas was shorter when fed on *P. kuhlii* blood. Furthermore, fleas feeding from torpid bats were found to engorge more blood than those feeding from normothermic bats.

From Algeria, Bendjeddou *et al.* (2013: 325) reported *Phthiridium biarticulatum* Hermann, 1804 (Diptera: Nycteribiidae), *Cimex pipistrelli* Jenyns, 1839 (Hemiptera: Cimicidae), and *Ischnopsyllus octactenus* (Kolenati, 1856) (Siphonaptera: Ischnopsyllidae).

Bendjeddou *et al.* (2017: 15) mention the following ectoparasites: Siphonaptera: *Nycteridopsylla longiceps* Rothschild, 1908 and *Ischnopsyllus octactenus* (Kolenati, 1856); Heteroptera: *Cimex pipistrelli* Jenyns, 1839 and *Cacodmus vicinus* Horváth, 1934; Arachnida: *Hyalomma dromedarii* Koch, 1844.

Benda *et al.* (2014c: 80) report the following ectoparasites from Libya:
Argasidae: *Argas vespertilionis* (Latreille, 1802),
Macronyssidae: *Steatonyssus periblepharus* Kolenati, 1858,
Spinturnicidae: *Spinturnix acuminata* group,
Cimicidae: *Cimex lectularius* Linnaeus, 1758, *Cacodmus vicinus* Horváth, 1934,
Ischnopsyllidae: *Ischnopsyllus consimilis* (Wahlgren, 1904)

From Jordan, Benda *et al.* (2010b: 285) mention *Argas vespertilionis* (Latreille, 1802) (Argasidae), *Steatonyssus periblepharus* Kolenati, 1858 (Macronyssidae), and *Cacodmus vicinus* Kolenati, 1858 (Cimicidae).

Other parasites that were previously reported from the Middle East include the bat flies: *Nycteribia schmidlii* Schiner, 1853, *N. vexata* Westwood, 1835, *Penicillidia conspicua* Speiser, 1901, and *Basilia daganiae* Theodor and Moscona, 1954; the bat fleas *Ischnopsyllus octactenus* (Kolenati, 1856) (also from Tunisia by Beaucournu and Kock, 1996), *I. consimilis* (Wahlgren, 1904) *Xenopsylla cheopis* (Rothschild, 1903) and *Leptopsylla sengis* (Schoenherr, 1911); and the mite species *Spinturnix acuminatus* (Koch, 1836) and *Steatonyssus periblepharus* Kolenati, 1858.

Benda *et al.* (2012a: 449) report the following ectoparasites from Iran: Spinturnicidae: *Spinturnix* sp., *Meristaspis lateralis* Kolenati, 1857; Macronyssidae: *Steatonyssus periblepharus* Kolenati, 1858; Ischnopsyllidae: *Ischnopsyllus octactenus* (Kolenati, 1856). They also mention the presence of the bat flies *Basilia daganiae* Theodor et Moscona, 1954 in the Levant, *Ischnopsyllus consimilis* (Wahlgren, 1904) in Egypt, Israel and Lebanon, the bed bug *Cimex lectularius* Linnaeus, 1758 in Iraq, and *Cacodmus vicinus* Horváth, 1934 in Cyprus, Syria, Israel, Jordan, and Egypt.

Trypanosoma (Schizotrypanum) vespertilionis Battaglia, 1904 was reported from *P. kuhlii* specimens from the Assiut Governate, Egypt by Fahmy *et al.* (1978: 251).

Duszynski (2002: 16) indicates that Arabian *P. kuhlii* is the type host of *Eimeria chiropteri* Alyousif, 1999, *Eimeria kuhliensis* Alyousif, 1999, and

Eimeria pipistrellus Alyousif, Al-Dakhil and Al-Shawa, 1999.

Greiman *et al.* (2016: 1006) reported the presence of a Trematode belonging to the genus *Lecithodendrium* Looss, 1896 in *P. kuhlii marginatus* from Egypt.

DIPTERA
Nycteribiidae: *Basilia bathybothyra* from Palestine, Egypt and Cyprus (Haeselbarth *et al.*, 1966: 110). Ševcík *et al.* (2012: 35) report on the presence of the bat fly *Basilia daganiae* Theodor and Moscona, 1954 on bats from Cyprus. Beaucournu and Noblet (1985: 636) also plot a record for this bat fly in Egypt.

VIRUSES:
Bunyaviridae
Phlebovirus
de Jong *et al.* (2011: 11), Luis *et al.* (2013: suppl.), and Kohl and Kurth (2014: 3111) report the occurrence of Toscana virus.

Coronaviridae
SARS-CoV - During Febuary 2008 in Ghana, one fecal sample of "*P. deserti*" tested negative for coronavirus (CoV) RNA by Pfefferle *et al.* (2009).
Alphacoronavirus
Kohl and Kurth (2014: 3112) reported this virus from Spain and Italy.
Betacoronavirus
Kohl and Kurth (2014: 3112) reported this virus from Italy.

Paramyxoviridae
Drexler *et al.* (2012a: Suppl. Table S1) indicated that the single specimen of "*P. deserti*" they examined from Ghana did not test positive for *Repirovirus, Henipavirus, Morbillivirus, Rubulavirus* or *Pneumovirus*.

Reoviridae
Orthoreovirus
Kohl and Kurth (2014: 3113) reported this virus from Germany and Italy.

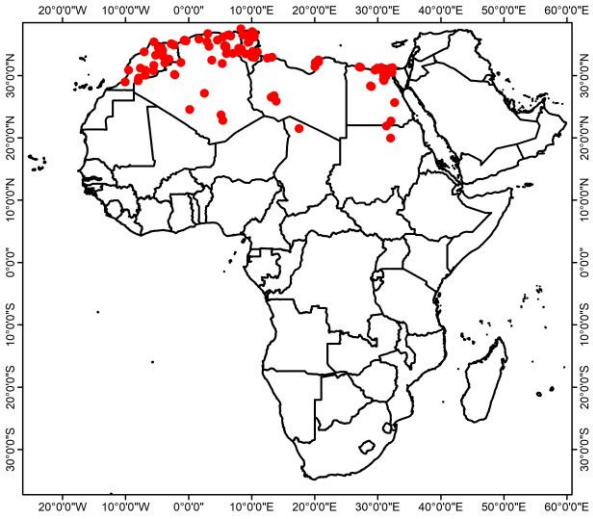

Figure 345. Distribution of *Pipistrellus kuhlii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Canary Islands (Spain), Chad, Egypt, Libya, Madagascar, Morocco, Sudan, Tunisia.

Pipistrellus maderensis (Dobson, 1878)

*1878. *Vesperugo [(Vesperugo)] maderensis* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, p. xxxix, 211, 231, pl. 12, fig. 5. Publication date: June 1878. Type locality: Madeira (Portugal): "Madeira" [32 44 N 15 58 W] [Goto Description]. Holotype: BMNH 1855.8.16.34: ad ♀, skull and alcoholic. Collected by: William S. MacGillivray. - Etymology: The name refers to the island where the type specimen was collected.
1908. *P[ipistrellus] maderensis:* K. Andersen, Ann. Mag. nat. Hist., ser. 8, 1 (5): 435. (Name Combination, Current Combination)
1922. *Pipistrellus maderensis:* Bannerman. - Comments: They Canary Islands: 153. (Name Combination)
1966. *Pipistrellus (Pipistrellus) maderensis:* Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian Mammals 1758 to 1946. (Second Edition), 171. (Name Combination)
1999. *Pipistrellus madarensis:* Ohlendorf, Nyctalus (N.F.), 7: 193 - 195. (Lapsus)

TAXONOMY:
Pestano *et al.* (2003b: 61) indicate that *P. maderensis* is more closely related to the Canary Island *P. kuhlii* clade than the latter is to *P. kuhlii* from outside the Canaries.

Evin *et al.* (2010: 35) suggest that a Kuhl's pipistrelle-like bat colonized the Canary Islands and differentiated during the middle Pleistocene to give rise to the *maderensis* clade.

COMMON NAMES:
Basque: Pipistrelo madeiar. Catalonian (Spain): Rat penat de Madeira. Czech: netopýr makaronéský, netopýr madeirský. Dutch: Madeiradwergvleermuis. English: Madeira pipistrelle. French: Pipistrelle de Madère. Gallician (Spain): Morcego de Madeira. German: Madeira-Zwergfledermaus, Madeira-Pipistrelle. Portuguese: Morcego da Madeira. Spanish (Castillian): Murciélago de Madeira.

CONSERVATION STATUS:
Global - VU A2c, B1 + 2c ver 2.3 (1994, 2008).

MAJOR THREATS:
Sherwin *et al.* (2012: 174) name the small distribution range, water stress, the aerial hawking feeding style and the long-distance dispersal to be the most important risk factors linked with climatic change.

Jesus *et al.* (2013: 177) indicate that human activities (e.g. large-scale land use change, the use of biocids/pesticides and roost disturbance and destruction) as well as some natural events (e.g. floods and wildfires) form the major threats for this species. Additionally, introduced species such as *Rattus rattus* and *Felis catus* might pose important threats. The latter is also illustrated by Rocha (2015: 17), who reported on a domestic cat, which brought home three bats (of which one was identified as *P. maderensis*) over a period of one year.

Sagot and Chaverri (2015: 1670) mention roost loss or disturbance, and habitat degradation or loss as major threats for this species.

GENERAL DISTRIBUTION:
Madeira Islands (Portugal, where Rainho (2017: 161) reports its presence on six islands); Canary Islands (Spain).

GEOGRAPHIC VARIATION:
When comparing cytochrome *b* sequences from Madeiran and Canary Island specimens, Jesus *et al.* (2013: 119) found that the populations from both island groups represent "sister populations", showing a much higher sequence divergence than that observed within groups.

MOLECULAR BIOLOGY:
DNA - See Pestano *et al.* (2003b), Mayer *et al.* (2007).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

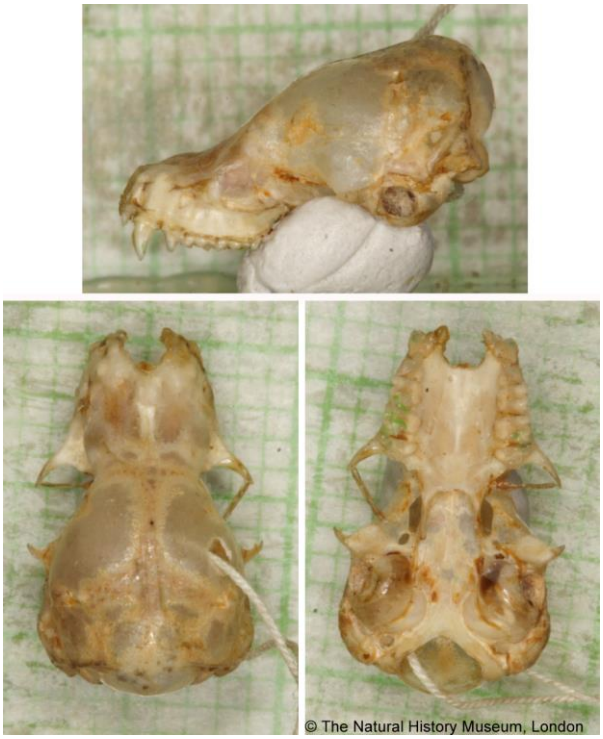

Figure 346. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1955.8.16.34, holotype of *Vesperugo maderensis* Dobson, 1878.

POPULATION:
Queiroz *et al.* (2005) [in Jesus *et al.* (2013: "1")] indicate that the population on Madeira consists of about 1,000 individuals. They also indicate that on the Azores the total population is proably less than 300 (but they point out that the identity of these bats is uncertain).

ACTIVITY AND BEHAVIOUR:
Referring to Russo *et al.* (2009), Smotherman *et al.* (2016: 537) indicate that the song-like structure for this species consists of a simple syllable type in a basic motif. Singing occurs while flying.

PARASITES:
When describing *Steatonyssus (Steatonyssus) balcellsi*, Estrada-Peña and Sanchez (1988: 305) also mentioned the presence of this mite on *P. maderensis* specimens from El Lagar and Aguamansa, Canary Islands.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Canary Islands (Spain), Madeira (Portugal), Spain.

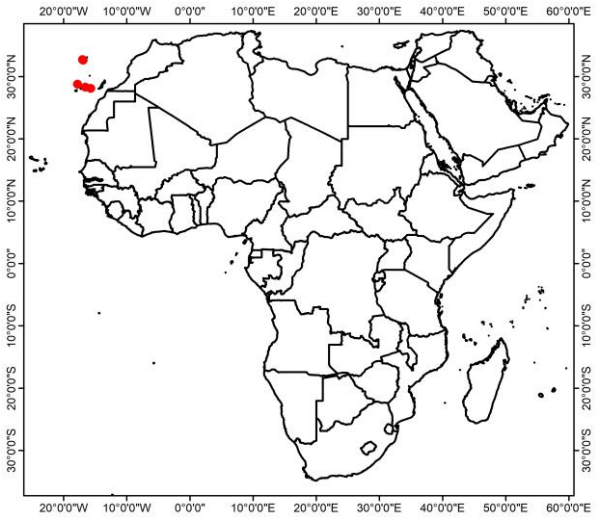

Figure 347. Distribution of *Pipistrellus maderensis*

Pipistrellus nanulus Thomas, 1904

*1904. *Pipistrellus nanulus* Thomas, Ann. Mag. nat. Hist., ser. 7, 14 (81): 198. Publication date: 31 August 1904. Type locality: Cameroon: Efulen [02 46 N 10 42 E] [Goto Description]. Holotype: BMNH 1904.2.8.8: ad ♂, skull and alcoholic. Collected by: George Latimer Bates Esq. (Current Combination)

1966. *Pipistrellus (Pipistrellus) nanulus:* Hayman, Misonne and Verheyen, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., (8) 154: 16. (Name Combination)

1994. *Pipistrellus (Vansonia) nanulus:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 116. (Name Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: netopýr efulenský. English: Tiny Pipistrelle Bat, Dwarf Pipistrelle Bat, Tiny Pipistrelle. French: Pipistrelle minuscule. German: Kleine Zwergfledermaus, Kleine Pipistrelle. Spanish (Castillian): Pipistrelo.

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Fahr, 2008r; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Fahr, 2008r; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Fahr, 2004h; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Fahr, 2008r; IUCN, 2009).

CONSERVATION ACTIONS:
Fahr (2008r) [in IUCN (2009)] reports that *Pipistrellus nanulus* has been reported from the Mole National Park in Ghana (Grubb *et al.*, 1998). No direct conservation measures are currently needed for this widespread and seemingly adaptable species as a whole.

GENERAL DISTRIBUTION:
Pipistrellus nanulus is widespread in West and Central Africa, with an apparently disjunct population in East Africa. It ranges from Senegal eastwards, through most West African countries to Cameroon, from here it has been recorded from Equatorial Guinea (including the island of Bioko) and Gabon. In the east of the species range it has been recorded from eastern Democratic Republic of the Congo, Uganda and western Kenya (north of Lake Victoria).

Kruskop *et al.* (2016: 64) report two specimens from Ethiopia, which look very similar to *P. nanulus* from other parts of Africa, and although they do not mention any "cf." or "aff." as they do for other species, they hint that the identification need further confirmation.

Native: Benin (Capo-Chichi *et al.*, 2004: 163); Burkina Faso (Kangoyé *et al.*, 2015a: 621); Cameroon; Central African Republic; Congo (Bates *et al.*, 2013: 329 - 1st authenticated record);

Congo (The Democratic Republic of the) (Monadjem *et al.*, 2010d: 572); Côte d'Ivoire; Equatorial Guinea (Bioko); Ethiopia (Kruskop *et al.*, 2016: 64); Gabon; Ghana (Decher and Fahr, 2007: 18); Guinea (Decher *et al.*, 2016: 274); Kenya; Liberia; Nigeria; Senegal; Sierra Leone; Uganda.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Tragus: Monadjem *et al.* (2013c: 204) line drawing of tragi of specimen DNSM 13234 from Mount Nimba, Liberia.

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:

Figure 348. Clockwise from top lateral, ventral and dorsal skull images of BMNH 1904.2.8.8, holotype of *Pipistrellus nanulus* Thomas, 1904.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987). *P. nanulus* and *H. c. bellieri* were much longer in total length than any of the *Neoromicia* species examined by Monadjem *et al.* (2013c). The shaft tip has a bifurcated structure with one projection that was slightly more distended than the other baculum shaft in both species was moderately ventrally curved, ending in a fluted base that was broader in *P. nanulus* (0.71 - 0.82 mm) than in *H. c. bellieri* (0.38 - 0.41 mm), a broad projection was clearly visible midway down the ventral surface of the shaft in *P. nanulus* (Monadjem *et al.*, 2013c: 197). Line drawing of dorsal and ventral bacula of specimen DNSM 13230 from Mount Nimba, Liberia are shown in Monadjem *et al.* (2013c: 204).

ECHOLOCATION:
Manga Mongombe (2012: 79) reported a FM/QCF call type for 1 calls from Maroua (Cameroon) and F_{max}: 65.5 kHz, F_{min}: 45.6 kHz, F_{mean}: 51.3 kHz, F_{knee}: 49.2 kHZ, F_{char}: 45.8 kHz, and duration: 2.89 msec.

HABITAT:
The specimens recorded by Monadjem *et al.* (2016y: 371) from the Mount Nimba area were found in lowland forest habitats (420 - 480 m).

POPULATION:
Structure and Density - This species is relatively common (Fahr, 2008r; IUCN, 2009).
Trend - 2008 - Unknown (Fahr, Fahr, 2008r; IUCN, 2009).

VIRUSES:
Coronaviridae - Coronaviruses
SARS-CoV - During Febuary 2008 in Ghana, Pfefferle *et al.* (2009) tested negative one fecal sample for coronavirus (CoV) RNA.

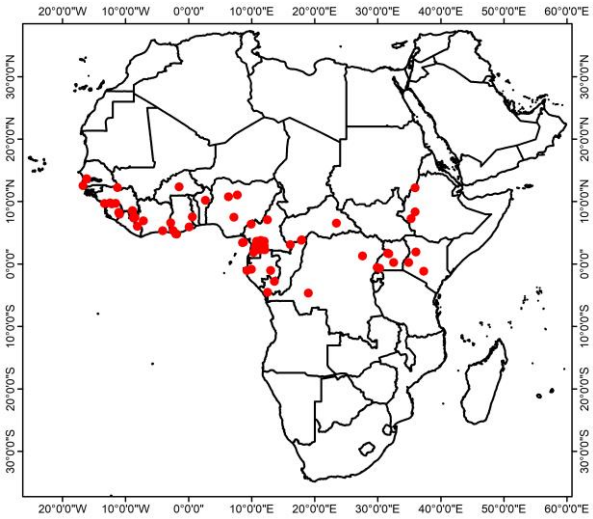

Figure 349. Distribution of *Pipistrellus nanulus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Burkina Faso, Cameroon, Central African Republic, Congo, Congo (Democratic Republic of the), Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Mali, Nigeria, Senegal, Sierra Leone, The Gambia, Togo, Uganda.

Pipistrellus permixtus Aellen, 1957

*1957. *Pipistrellus (Pipistrellus) permixtus* Aellen, Rev. suisse Zool., 64 (6): 200. Type locality: Tanzania: Dar-es-Salaam [06 48 S 39 18 E] [Goto Description]. Holotype: MZS 12c: ad

♀, skull and alcoholic. Collected by: Hürstel; collection date: 1905.

1966. *[Pipistrellus] permixtus:* Koopman, The Puku, 4: 159. (Name Combination, Current Combination)

1982. *Pipistrellus permixtus:* Seal and Makey, ISIS Mammalian Taxonomic Director, ???. (Name Combination)

TAXONOMY:
This is a very illusive species. It is only known from the type specimen, which shows more affiliation to the European *P. nathusii* than to any of the African species. Since the type specimen was collected in Dar-es-Salaam, a port, it can not be excluded that this animal was transported by ship from Europe to Africa.

COMMON NAMES:
Czech: netopýr tanganjický. English: Dar-es-Salaam Pipistrelle Bat, Dar-es-salaam Pipistrelle, Tanzania Pipistrelle. French: Pipistrelle de Tanzanie. German: Verwechselte Zwergfledermaus, Verwechselte Pipistrelle.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of recent information on its extent of occurrence, ecological requirements, threats and conservation status (Jacobs *et al.*, 2008v; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs *et al.*, 2008v; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004ac; IUCN, 2004). 1996 - DD (Baillie and Groombridge, 1996).

MAJOR THREATS:
The threats to this species are poorly known. However, it may be confined to dry coastal forest habitat, which is significantly threatened by conversion to agricultural use and extraction of firewood and timber (Jacobs *et al.*, 2008v; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008v) [in IUCN (2009)] report that there appear to be no direct conservation measures in place for this species, and it is not known if the species is present within any protected areas. Additional studies are needed into the distribution, abundance, breeding biology and general ecology of this species. There is a need to conserve remaining areas of dry coastal forest in much of East Africa.

GENERAL DISTRIBUTION:
Pipistrellus permixtus is known only from a single specimen collected close to Dar es Salaam in Tanzania.

Native: Tanzania.

POPULATION:
Structure and Density - No information available on the abundance of this bat (Jacobs *et al.*, 2008v; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008v; IUCN, 2009).

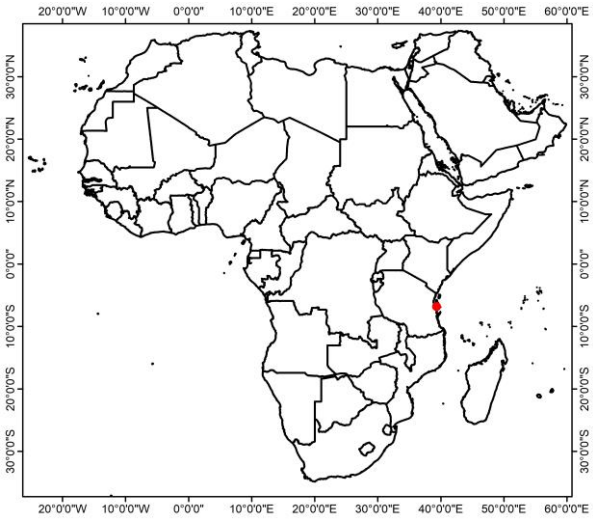

Figure 350. Distribution of *Pipistrellus permixtus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Tanzania.

Pipistrellus pipistrellus (Schreber, 1774)

*1774. *Vespertilio pipistrellus* Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, 1 (7): pl. 54 + 1 (9): 167. Publication date: 1774. Type locality: France: "France". Neotype: BMNH 1997.81: ad ♂. Collection date: October 1996. Designated by Anonymus (2003: 85). Locality of neotype: France: Normandy: Beauvais cathedral.

1839. *V[esperus (Vesperugo)] Pipistrellus:* Keyserling and Blasius, Arch. Naturgesch. Berlin, 5 (1): 321. (Name Combination)

1853. *V[esperugo (Vesperugo)] Pipistrellus:* Blasius, Arch. Naturgesch. Berlin, 19 (1): 36. (Name Combination)

1855. *Vespertilio (Vesperugo) pipistrellus:* Wagner, in: Schreber, Die Säugethiere in Abbildungen

nach der Natur mit Beschreibungen, Suppl. 5: 730. (Name Combination)
1856. *Vesperugo (Nannugo) pipistrellus:* Kolenati, Allg. deutsche naturh. Zeitung, N.F., 2 (5): 170. (Name Combination)
1857. *S[cotophilus] pipistrellus:* Tomes, Proc. zool. Soc. Lond., 1857, XXV (cccxxx): 5x. (Name Combination)
1860. *Nannugo pipistrellus:* Kolenati, Monographie der Europäischen Chiroptern, 8. (Name Combination)
1862. *Vesperugo (Vesperugo) pipistrellus:* Römer, Nass. Naturw. Jahrb., 18: ???. (Name Combination)
1863. *Vespertilio (Nannugo) pipistrellus:* Koch, Nass. Naturw. Jahrb., 18: 339. (Name Combination)
1866. *Scotophilus pipistrellus:* H. Allen, Proc. Acad. nat. Sci. Philad., 18: 287. (Name Combination)
1871. *Vesperugo pipistrellus:* Doderlein, Alcune generalita Intorno la Fauna Sicula de Vertebrati, ???. (Name Combination)
1899. *Vesperugo (Euvesperugo) pipistrellus:* Acloque, Faune de France, Mammifères, 36. (Name Combination)
1900. *Pipistrellus pipistrellus:* Méhely, Monographia Chiropterorum Hungariae, 262. (Name Combination, Current Combination)
1928. *Pipistrellus pipistrellus pipistrellus:* Ognev, Mammals of eastern Europe and Northern Asia, 481. (Name Combination)
1959. *Pipistrellus (Pipistrellus) pipistrellus pipistrellus:* Aellen, Rev. suisse Zool., 66 (2): 381. (Name Combination)
1966. *Pipistrellus (Pipistrellus) pipistrellus:* Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian Mammals 1758 to 1946. (Second Edition), 163. (Name Combination)
1970. *P[ipistrellus] pipistrelli:* Rushton, Ann. Génét. Sél. anim., 2 (4): 465. (Lapsus)

TAXONOMY:
Does not contain *pygmaeus* Leach, 1821. Genetic studies (e.g. Benda *et al.*, 2004b) provided evidence for a North-African lineage, possibly identified as a subspecies. Evin *et al.* (2011: 2096) also show that the shape of the skull of the Moroccon specimens differs from that of specimens from continental Europe and Corsica, and to a lesser extent, from the Middle East. Boston *et al.* (2014: 268) found *P. pipistrellus* to form a monophyletic group, but with a split between *P. pipistrellus* s. stricto and a possible paraphyletic group in Morocco, Algeria, Tunisia, Malta, Sicily, Corsica and Italy. Hulva *et al.* (2004; 2010) called this latter group "*P. pipistrellus* SW" and Puechmaille *et al.* (2012) suggest this group might represent a new species.

COMMON NAMES:
Albanian: Pipistrel i zakonshem. Basque: Saguzar. Bosnian: patuljasti slijepi mi\ić; Catalonian (Spain): Rat penat comú. Czech: netopýr hvízdavý, nedopír hvízdavý, netopýr malý, letouň zakrpený, netopýr pisklavý. Danish: Pipistrelflagermus, Dværgflagermus. Dutch: (Gewone) Dwergvleermuis. English: Common Pipistrelle, Common Pipistrelle Bat, 45 kHz Pipistrelle, Small House-bat. Estonian: Kääbus-nahkhiir. French: Pipistrelle commune. Gallician (Spain): Morcego común. German: Zwergfledermaus, Kahlschienige Dämmerungsfledermaus. Greek: Ναvovυχτερίδα. Hungarian: törpe denevér, Közönséges törpedenevér, Nycteris i kini. Italian: Pipistrello nano. Macedonian: Dzudzest Liljak. Maltese: Pipistrell. Norwegian: Dvergflaggermus. Portuguese: Morcego-anão. Roman: Pipistrel nanin. Romanian: Liliac-pitic. Russian: Нетопырь-карлик, (Netopyr karlik). Slovakian: Vecernica malá. Slovenian: mali netopir. Spanish (Castillian): Murciélago común, Murciélago enano. Swedish: Pipistrell.

CONSERVATION STATUS:
Global - The species is widespread and abundant, and there is no evidence of current significant population decline. Consequently, it is assessed as Least Concern (LC ver 3.1 (2001)) (Hutson *et al.*, 2008l; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Hutson *et al.*, 2008l; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Aulagnier and Benda, 2004a; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

MAJOR THREATS:
In parts of the range there is deliberate persecution as people do not want thousands of bats roosting in their buildings. As a high proportion of colonies are found in buildings, the species may be particularly vulnerable to other anthropogenic factors, such as disturbance, timber treatment and building renovation (Battersby, 2005; Hutson *et al.*,

2008I; IUCN, 2009).

Sherwin *et al.* (2012: 174) indicate that the aerial hawking feeding style and the long-distance dispersal are the most important risk factors related to climatic change.

CONSERVATION ACTIONS:
Hutson *et al.* (2008I) [in IUCN (2009)] report that it is protected under national law in most range states. It is also protected under international law through the Bonn Convention (Eurobats) and Bern Convention in parts of its range where these apply, and is included in Annex IV of the EU Habitats and Species Directive. It occurs in many protected areas. No specific conservation actions are known.
Adoption of bat-friendly practices in the construction and maintenance of buildings is a proposed action.

GENERAL DISTRIBUTION:
Pipistrellus pipistrellus is a widespread western Palaearctic species with a range extending from the British Isles through southern Scandinavia, much of Europe (including all the Mediterranean countries, but with the exception of northern Fennoscandia) to the Volga and Caucasus; and through parts of north-western Africa (mountainous areas of Morocco, Algeria and Tunisia, also in Cyrenaica in Libya) and south-west Asia to central and eastern Asia (China, India, Myanmar). Its detailed distribution, as distinct from that of the recently-differentiated *P. pygmaeus*, is still to be established. It occurs from sea level to 2,000 m.

A dubious record from Taiwan by Kishida (1924) is rejected by Lin *et al.* (2002: 509). A record from Myanmar by Bates and Harrison (1997: 167) is rejected by Bates *et al.*, 2005: 220).

Native: Afghanistan; Albania; Algeria; Andorra; Armenia; Austria; Azerbaijan; Belarus; Belgium; Bosnia and Herzegovina; Bulgaria; China; Croatia; Cyprus (Benda *et al.*, 2007: 71); Czech Republic; Denmark; Estonia; Finland; France [Corse]; Georgia; Germany; Gibraltar; Greece [East Aegean Is., Kriti]; Holy Seat [Vatican City State]; Hungary; India (Jammu-Kashmir); Iran, Islamic Republic of; Ireland; Israel; Italy (Sardegna, Sicilia); Jordan (Benda *et al.*, 2010b: 185), Kazakhstan; Latvia; Lebanon (Horácek *et al.*, 2008: 59); Libyan Arab Jamahiriya; Liechtenstein; Lithuania; Luxembourg; Macedonia, the former Yugoslav Republic of; Malta; Moldova (Bondarenko, 2007: 23); Monaco; Montenegro; Morocco (Benda *et al.*, 2010a: 157; El Ibrahimi and Rguibi Idrissi, 2015: 361); Myanmar; Netherlands; Norway; Pakistan; Poland; Portugal; Romania; Russian Federation; San Marino; Serbia; Slovakia; Slovenia; Spain [Baleares]; Sweden; Switzerland; Taiwan, Province of China; Tunisia (Dalhoumi *et al.*, 2016b: 867); Turkey; Ukraine (Tyshchenko *et al.*, 2005: 181); United Kingdom.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

Madej *et al.* (2012: 478) studied the skin structure and hair morphology of different body parts and found a number of areas with thin skin (wing and tail membrane) and other areas with thick skin (head and dorsum, abdomen, footpad). They also found that the density of the hairs was higher on the head than in the dorsal and ventral body parts. These differences might play a role for ectoparasites when choosing their preferred body region.

ECHOLOCATION:
The data for 47 animals from Greece are the following: F_{start}: 78.9 ± 15.79 kHz, F_{end}: 47.5 ± 1.43 kHz, F_{peak}: 48.6 ± 1.46 kHz, bandwidth: 6.5 ± 1.31 kHz, duration 5.7 ± 1.53 msec and interpulse interval: 94.9 ± 29.90 msec (Papadatou *et al.*, 2008b: 132).
Benda *et al.* (2010a: 163) report for 50 Moroccan specimens a starting frequency of 53.3 ± 4.6 (45.6 - 62.7) kHz, a maximum energy frequency of 47.9 ± 2.9 (42.9 - 51.8) kHz, an end frequency of 46.3 ± 3.0 (40.0 - 50.7) kHz, with a duration of 7.4 ± 1.7 (5.2 - 12.4) msec, and an inter-pulse interval of 123.9 ± 46.2 (73.4 - 250.1) msec.
Data presented by Walters *et al.* (2012: suppl.) for 47 calls by bats from France, Switzerland and the UK include: duration: 6.02 ± 2.10 msec, F_{max}: 58.06 ± 10.34 kHz, F_{min}: 44.77 ± 1.92 kHz, bandwidth: 13.29 ± 9.25 kHz, F_{peak}: 45.75 ± 2.03 kHz.

In Jordan, Benda *et al.* (2010b: 204) recorded the following parameters for 70 calls: F_{start}: 69.3 ± 14.8 (53.1 - 110.0) kHz, F_{end}: 48.4 ± 0.9 (46.8 - 50.5) kHz, F_{peak}: 51.2 ± 2.0 (48.2 - 57.9) kHz, duration: 5.7 ± 1.5 (2.8 - 8.0) msec, and Interpulse interval: 81.7 ± 22.2 (49.0 - 169.0) msec. For 54 Iranian calls, Benda *et al.* (2012a: 182) report: F_{start}: 57.1 ± 4.2 (50.2 - 60.8) kHz, F_{end}: 46.6 ± 2.2 (42.6 - 50.8) kHz, F_{peak}: 48.6 ± 2.4 (44.1 - 54.0) kHz, duration: 6.8 ± 1.5 (3.4 - 10.4) msec, and interpulse interval: 100.5 ± 26.5 (62.3 - 162.7) msec.

Götze *et al.* (2013: 61) indicate that frequency shifts ocurring when *P. pipistrellus* specimens are flying together, are not linked with jamming avoidance, but with a switch from search calls to shorter approach calls, which have higher frequencies. The other bats are perceived as moving targets, hence the switch to the approach

call.

In Morocco, Disca *et al.* (2014: 226) reported for "*Pipistrellus* cf. *pipistrellus*" a FM-QFC type of call with the following parameters: F_{start}: 75.5 ± 12.8 kHz, F_{end}: 47.7 ± 2.3 kHz, F_{peak}: 50.4 ± 2.4 kHz, $F_{QFC-peak}$: 49.9 ± 2.5 kHz, bandwidth: 27.8 ± 12.3 kHz, duration: 6.4 ± 1.1 msec.

MOLECULAR BIOLOGY:
DNA - See Benda *et al.* (2004b), Hulva *et al.* (2004), Mayer *et al.* (2007), García-Mudarra *et al.* (2009).

Karyotype - Rushton (1970: 465) mentioned a diploid number (2*n*) of 42. Arslan and Zima (2014: 12) report 2*n* = 42-44, FNa = 48-50, FN = 52-54, a medium-sized (sub)metacentric X, and a dot-like acrocentric Y. The autosomal component contains three large metacentric, one small metacentric and 16/17 acrocentric pairs. However, they can not exclude that some of the "aberrant" sets might represent *P. pygmaeus*.

DIET:
Benda *et al.* (2012a: 425 - 427) indicate that in Europe, *P. pipistrellus* mainly feeds on small swarming nematoceran Diptera, followed by Lepidoptera, Heteroptera and Hymenoptera. In the Middle East, the diet seems to be more variable and is dominated by smaller Coleoptera, Formicoidea, Heteroptera, smaller Lepidoptera, Ephemeroptera, Plecoptera, and Blattodea. In Iran, the most important food items are: Nematocera, Hymenoptera (Formicoidea), and Auchenorrhyncha.

POPULATION:
Structure and Density - A widespread and abundant species, one of the most common bats in many parts of its range. Summer maternity colonies generally number 25 - 50 individuals, although colonies of as many as 200 have been recorded. In winter, it tends to occur singly or in small groups, although some very large groups have been recorded (e.g., up to 45,000 in caves in Romania and Slovakia) (Seamark, 2006d). Significant declines have been recorded in some European countries (e.g. Britain), although in Britain at least the trend may now have stabilised (Battersby, 2005). In Serbia, in the urban areas, *P. pipistrellus* has become less common due to displacement by *P. kuhlii* (M. Paunovic *pers. comm.*, 2007 in Hutson *et al.*, 2008l). The same is also reported from the Russian Federation.
Trend - 2008 - Stable (Hutson *et al.*, 2008l; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Referring to amongst others Barlow and Jones (1997a,1997b), Smotherman *et al.* (2016: 537) describe the song-like structure for this species as simple syllable type in a basic motif. Singing occurs while flying.

REPRODUCTION AND ONTOGENY:
Ginther (1967: 580) mentioned that the embryo is more frequently located in the right uterine horn, whereas the Corpus luteum is about 50 % in the left ovary.
At birth, the young weights about 23.7 % of its mother's body mass (1.4 g versus 5.9 g), and its forearm length is about 35.6 % of that of its mother (11.4 versus 32.0 mm) (see Kurta and Kunz, 1987: 83).

PARASITES:
In Europe, Genov *et al.* (1992) reported the following Nematodes: *Molinostrongylus vespertilionis* Morosov and Spassky, 1961 (of which *P. pipistrellus* is the type host) and *M. alatus* (Ortlepp, 1932).

Benda *et al.* (2010b: 278) found the following ectoparasites on Jordanian *Pipistrellus pipistrellus*: Ticks: Argasidae: *Argas vespertilionis* (Latreille, 1802); mites (Macronyssidae): *Macronyssus* sp., *Steatonyssus periblepharus* Kolenati, 1858, *Parasteatonyssus hoogstraali* Keegan, 1956; bugs: Cimicidae: *Cacodmus vicinus* Keegan, 1956; bat flies: Nycteribiidae: *Basilia daganiae* Keegan, 1956; and fleas: Ischnopsyllidae sp. The latter might possibly belong to *Ischnopsyllus octactenus* (Kolenati, 1856), *I. dolosus* Dampf, 1912 or *I. consimilis* (Wahlgren, 1904) which were previously reported from *P. pipistrellus* from Turkey and Lebanon.

From Iran, Benda *et al.* (2012a: 428) reported the following ectoparasites: Ticks: Argasidae: *Argas vespertilionis* (Latreille, 1802), Ixodidae: *Dermacentor marginatus* (Sulzer, 1776), *Ixodes redikorzevi* Olenev, 1927; mites: Macronyssidae: *Steatonyssus* sp., Trombiculidae: *Schoutedenichia chilmirica* Kudrâšova, 1975; fleas: Ischnopsyllidae: *Ischnopsyllus octactenus* (Kolenati, 1856), Pulicidae: *Xenopsylla nuttalli* Ioff, 1930. From Azerbaijan, they mention another bat flea: *Ischnopsyllus dolosus* Dampf, 1912.

From Algeria, Bendjeddou *et al.* (2013: 325) reported the following parasites: *Cimex pipistrelli* Jenyns, 1839 (Hemiptera: Cimicidae) and *Ischnopsyllus octactenus* (Kolenati, 1856) (Siphonaptera: Ischnopsyllidae). Bendjeddou *et al.* (2017: 15) mentioned the following Heteroptera: *Cimex pipistrelli* Jenyns, 1839, *Cimex lectularius* Linnaeus, 1758 and *Cacodmus vicinus* Horváth, 1934.

Beaucournu and Noblet (1985: 636) refer to Hurka (1982) in plotting a record of *Basalia mediterranea* Hurka, 1970, parasiting on *P. pipistrellus*.

VIRUSES:
Adenoviridae
Mastadenovirus
Reported from Germany by Kohl and Kurth (2014: 3111).

Bornaviridae
An unclassified genus belonging to this family was reported by Kohl and Kurth (2014: 3111) from France.

Coronaviridae
None of five Kenyan bats tested by Tao *et al.* (2017: Suppl.) tested positive for CoV.

Betacoronavirus
This virus was reported from the Netherlands by Kohl and Kurth (2014: 3112).

Herpesviridae
Betaherpesvirus and *Gammaherpesvirus*
These viruses were reported by Kohl and Kurth (2014: 3113) from Germany.

Orthomyxoviridae
Despite sampling and testing of 44 individuals of this species, no evidence of influenza A-like viruses (*Orthomyxoviridae*) were obtained (Fereidouni *et al.*, 2015).

Paramyxoviridae
An unassigned virus was reported from Germany by Kohl and Kurth (2014: 3113).

Reoviridae
Orthoreovirus
Kohl and Kurth (2014: 3113) reported this virus from Germany.

Rhabdoviridae
"Various European bat lyssaviridae" were reported from various European countries by Kohl and Kurth (2014: 3114).

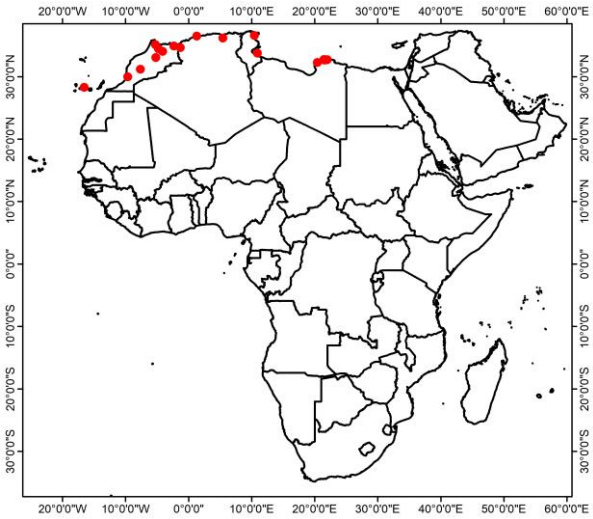

Figure 351. Distribution of *Pipistrellus pipistrellus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Algeria, Egypt, France, Libya, Morocco, Spain, Tunisia.

Pipistrellus pygmaeus (Leach, 1825)

*1825. *Vespertilio Pygmæus* Leach, Zool. Journ., 1: 560. Type locality: United Kingdom: Chew valley. - Comments: Type locality: The original type locality was "England, Devonshire, near forest of Dartmoor, Spitchweek". The Neotype was collected in NE Somerset, Bath, Chew valley.
1999. *Pipistrellus pygmaeus:* Jones and Barratt, Bull. Zool. Nomencl., 56 (3): 182. Publication date: September 1999. (Name Combination, Current Spelling)

TAXONOMY:
One of the most outspoken examples of cryptic species is formed by the "*Pipistrellus pipistrellus / pygmaeus*" species complex. Originally, both taxa were considered to represent one single species, but with the growing use of bat detectors, it became clear that two forms were present. In a first stage, these were called the "45 kHz phonic type" and the "55 kHz phonic type". Jones and van Parijs (1993) and Barratt *et al.* (1995) proved that two separate species were involved: *Pipistrellus pygmaeus* and *Pipistrellus pipistrellus*.

Based on López-Baucells *et al.* (2012), Disca *et al.* (2014: 211) include *P. pygmaeus* as a member of the Moroccan bat fauna, but they indicate that more prove (e.g. photos, detailed descriptions, echolocation data, …) would be welcome.

Herdina *et al.* (2014: 157) indicate that *P. pipistrellus* and *P. pygmaeus* specimens can be discriminated by measuring the projected length, height, and width of the baculum. Other morphological discrimination traits commonly used are "wing vein" pattern and shape and color of the penis, but these have not been validated on sets of genetically identified specimens.

COMMON NAMES:
Czech: netopýr nejmenší (nedopír kařelný). Danish: Dværgflagermus. Dutch: Kleine dwergvleermuis. English: Midge Bat, Soprano Pipistrelle, Pygmy pipistrelle bat, 55 kHz pipistrelle, Mediterranean Lesser pipistrelle. Estonian: Pügmee-nahkhiir. French: Pipistrelle soprane, Pipistrelle pygmée, le vespertilion pygmée. German: Mückenfledermaus. Greek: Μικρονυχτερίδα. Hungarian: Szoprán törpedenevér. Italian: Pipistrello soprano, Pipistrello pigmeo. Macedonian: Kafeav Dzudzest Liljak. Norwegian: Dvergflaggermus. Roman: Pipistrel muschin. Russian: Малый нетопырь [=Malyj Neopyr], тонкоголосый. Slovak: Večernica Leachova. Slovenian: Drobni netopir; Liliacul-pitic mediteranean. Spanish (Castillian): Murciélago pigmeo, Murciélago de Cabrera. Swedish: Dvärgfladdermus;

GENERAL DISTRIBUTION:
Great Britain, Ireland, Germany, Switzerland, Czech Republic, Slovakia, Denmark, Sweden, Estonia, Latvia, Belarus, Portugal, Spain, Greece, Cyprus, Slovenia, Croatia, Albania, Serbia, Bosnia-Herzogovina, Montenegro, Romania, Bulgaria, Moldova, Georgia [Turkey, Belgium, Holland], Azerbaijan; Morocco; Iran; possibly Lebanon.

López-Baucells *et al.* (2012: 43) reported this species from the northern African Spanish enclave Ceuta, which is the first report of this species on the African continent.

VIRUSES:
Coronaviridae
Alphacoronavirus
Kohl and Kurth (2014: 3112) report this virus from German bats.

Orthomyxoviridae
Despite sampling and testing of 132 individuals of this species, no evidence of influenza A-like viruses (*Orthomyxoviridae*) were obtained (Fereidouni *et al.*, 2015).

Pipistrellus raceyi Bates, Ratrimomanarivo, Harrison and Goodman, 2006

*2006. *Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, Acta Chiropt., 8 (2): 301. Type locality: Madagascar: Fianarantsoa province: Kianjavato [21 22.84 S 44 40.49 E, 75 m] [Goto Description]. Holotype: FMNH 185567: ad ♂, skull and alcoholic. Collected by: Fania H. Ratrimomanarivo and E. Rakotonandrasana; collection date: 22 May 2005; original number: RHF 1281. - Etymology: In honour of Prof. Paul A. Racey, Regius professor of natural history, University of Aberdeen, UK, in recognition of his longstanding commitment to the study and conservation of bats worldwide and in particular to his on-going programme of capacity building and bat research in Madagascar (see Bates *et al.*, 2006: 305). (Current Combination)

TAXONOMY:
See Bates *et al.* (2006).

COMMON NAMES:
English: Racey's Pipistrelle Bat. French: Pipistrelle de Racey. German: Raceys Zwergfledermaus, Raceys Pipistrelle.

CONSERVATION STATUS:
Global - This species is listed as Data Deficient (DD ver 3.1 (2001)) because although preliminary evidence suggests that it is widely distributed in lowland areas of parts of eastern and western Madagascar and it exists in a range of vegetation types, there are insufficient data on its habitat requirements and major threats (Jenkins *et al.*, 2008j; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jenkins *et al.*, 2008j; IUCN, 2009).

MAJOR THREATS:
No major threats are documented, but forest degradation may conceivably reduce availability of suitable foraging and roosting habitat in the west where this species presumably roosts in trees and appears to be associated with forest habitats (Jenkins *et al.*, 2008j; IUCN, 2009).

CONSERVATION ACTIONS:
Jenkins *et al.* (2008j) [in IUCN (2009)] report that even though this species roosts synanthropically in the east and may therefore be expected to be relatively common given the abundance of suitable roosting sites, it is only known from four locations across Madagascar despite the large survey effort on Malagasy bats in recent years. Of the four known localities, all receive some form of active forest management and it is expected that deforestation at these sites has been and will be less than for non-protected forest. Further studies of this species are needed to investigate why it appears to be forest-dependent in the west but not

in the east of its range.

GENERAL DISTRIBUTION:
Pipistrellus raceyi is an endemic species to Madagascar that is currently known from four localities (Bates *et al.*, 2006), two in the west (Mikea forest and Kirindy CFPF) and two in the east (Kianjavato and Tampolo forests), all below 80 m elevation (from 16 - 70 m asl.).

Native: Madagascar (Bates *et al.*, 2006).

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
See Bates *et al.* (2006).

GENERAL DESCRIPTION OF CRANIAL AND DENTAL MORPHOLOGY:
See Bates *et al.* (2006).

DETAILED MORPHOLOGY:
Baculum - Unknown
For a description of the crania, teeth, ears and tragus see Bates *et al.* (2006).

MOLECULAR BIOLOGY:
DNA, Karyotype, Protein / allozyme - Unknown.

HABITAT:
See Bates *et al.* (2006).

ROOST:
Synanthropic structures and vegetation for the typical roosting sites for this species on Madagascar according to Wilkinson *et al.* (2012: 160).

DIET:
Rakotondramanana *et al.* (2015: 77) reported the following volume percentages of food items: Coleoptera: 27.8 ± 20.00; Hymenoptera: 12.5 ± 17.15; Lepidoptera: 26.1 ± 23.05; Trichoptera: 1.9 ± 4.80; Isoptera: 30.0 ± 40.71; Homoptera: 1.5 ± 3.31; Arachnida: 0.1 ± 0.24. Expressed as frequency percentages, the values are: Coleoptera: 78.9 ± 29.48; Hymenoptera: 47.8 ± 41.81; Lepidoptera: 65.6 ± 44.35; Trichoptera: 10.0 ± 23.01; Isoptera: 37.8 ± 48.94; Homoptera: 12.2 ± 27.56; Arachnida: 1.7 ± 4.71. Based on the faeces of three animals, Rasoanoro *et al.* (2015: 64) found the following volume percentages: Aranea: 6.8 ± 1.47, Coleoptera: 32.5 ± 1.36, Diptera: 28.9 ± 4.15, Homoptera: 11.7 ± 2.18, Hymenoptera: 3.9 ± 2.20, and Lepidoptera: 16.3 ± 1.95.

POPULATION:
Structure and density - This recently described species is currently known only from 15 specimens (Bates *et al.*, 2006); however, with further survey work, it may be shown to more common (Jenkins *et al.*, 2008j; IUCN, 2009).
Trend - 2008 - Unknown (Jenkins *et al.*, 2008j; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
See Bates *et al.* (2006).

VIRUSES:
Paramyxoviridae
Wilkinson *et al.* (2012: 160) tested 1 individuals from the Madagascar using RT-PCR specific for *Respirovirus*/*Morbillivirus*/*Henipahvirus* (RMH) and *Paramyxovirinae* (PMV) and found 0 positive results for viral nucleic acids.

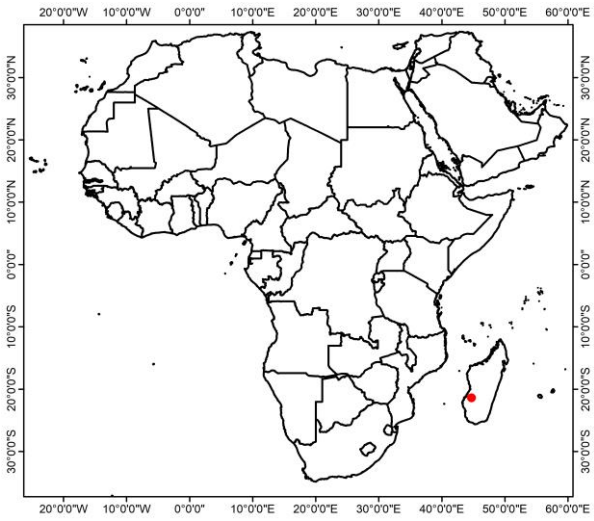

Figure 352. Distribution of *Pipistrellus raceyi*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Madagascar.

Pipistrellus rueppellii (Fischer, 1829)

1826. *Vespertilio temminckii* Cretzschmar, in: Rüppell, Atlas Reise Nördlichen Afrika, Zoologie Säugethiere, 1: 17: pl. 6. Type locality: Sudan: Northern province: Dongola [19 10 N 30 27 E] [Goto Description]. Lectotype: SMF 4308: ad ♂, skin only. Collected by: Wilhem Peter Edward Simon Rüppell; collection date: 1824. Old catalog: II.N.11.b: see Mertens (1925: 22). - Comments: Preoccupied by *temmincki* Horsfield, 1824 (a *Scotophilus*): see Allen (1939a: 95), Meester *et al.* (1986: 51), Simmons (2005). The publication date of Cretzschmar's work is sometimes indicated as "1826" (as mentioned on the title page), but also as "1827", "1828", "1830-1831".

*1829. *Vespertilio Rüppelii* J.B. Fischer, Synopsis Mamm, 109. Publication date: 1829. Type

locality: Sudan: Northern province: Dongola [19 10 N 30 27 E]. - Comments: Mertens (1925: 22) mentions that the specimen designated as lectotype for *temminckii* is also the lectotype for *rüppellii*. - Etymology: The type (*Vespertilio temminckii*) was described in Rüppell's (1827) *Atlas zu der Reise im Nordlichen Afrika* and renamed by Fischer (1829) after Rüppell (*V. rüppellii*) (see Taylor, 2005).

1838. *Scotophilus Temminckii:* Gray, Mag. Zool. Bot., Edinburgh, 2 (12): 497.
1855. *Vespertilio (Vesperugo) Rüppellii:* Wagner, in: Schreber, Die Säugethiere in Abbildungen nach der Natur mit Beschreibungen, Suppl. 5: 745. (Name Combination)
1860. *Panugo rüppelii:* Kolenati, Monographie der Europäischen Chiroptern, 10. (Name Combination, Alternate Spelling)
1868. *Vespertilio (Alobus) Temminckii:* Peters, Monatsb. k. preuss. Akad. Wiss. Berlin, 707 (for 1867).
1877. *V[esperugo] Temminckii:* Heuglin, Reise in Nordost Afrika, 2: 32.
1877. *Vesperugo Rüppellii:* Heuglin, Reise in Nordost Afrika, 2: 32. (Name Combination)
1878. *Vesperugo (Vesperugo) temminckii:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 233.
1880. *Vesperugo temminckii:* Dobson, Report on accessions to our knowledge of the chiroptera during the past two years (1878 - 1880), 186.
1891. *Vesperugo temmincki:* Noack, Jb. Hamb. Wiss. Anst., 9: 140.
1901. *Pipistrellus Temminckii:* Thomas, Ann. Mag. nat. Hist., ser. 7, 8 (46): 274.
1902. *Pipistrellus rueppelli:* Anderson and de Winton, Zoology of Egypt: Mammalia, 127. (Name Combination)
1917. *Scotozous rüppelii:* J.A. Allen, Bull. Am. Mus. Nat. Hist., 37 (18): 409. (Name Combination)
1918. *Pipistrellus rüppelii:* Hollister, Bull. U.S. natl. Mus., 99: 93. (Alternate Spelling)
1919. *P[ipistrellus] rüppelli:* Thomas, J. Bomb. nat. Hist. Soc., 26: 747. (Alternate Spelling)
1920. *Pipistrellus rüppelli:* Schwarz, Fledermäuse aus West- und Zentralafrika, ???. (Alternate Spelling)
1925. *Pipistrellus rüppellii:* Mertens, Senckenb. biol., 7 (1/2): 22. (Alternate Spelling)
1925. *V[espertilio] Rüppellii:* Mertens, Senckenb. biol., 7 (1/2): 22. (Name Combination)
1928. *Scotozous rüppellii:* Gyldenstolpe, Ark. Zool. Stockholm, 20A (4): 71. (Alternate Spelling)
1935. *Scotozous trüppellii:* Monard, Arq. Mus. Bocage, 6: 31. - Comments: Lapsus (see Kock, 1969a: 174; Meester *et al.*, 1986: 51). (Lapsus)
1938. *[Scotozous] rüppeli:* Frechkop, Exploration du Parc National Albert, 52. (Lapsus, Alternate Spelling)
1953. *Pipistrellus (Scotozous) rueppelli:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 78. (Name Combination)
1956. *Pipistrellus ruppelli:* Harrison, Proc. zool. Soc. Lond., 127: ???. (Alternate Spelling)
1957. *[Pipistrellus] rueppeli:* Aellen, Rev. suisse Zool., 64 (6): 204. (Lapsus)
1962. *Scotozous rüppelli:* Wassif, Proc. zool. Soc. Lond., 811. (Alternate Spelling)
1964. *Scotozous temmincki:* Lehmann, in: Niethammer, Alexander Koenigs Reisen am Nil, 72.
1969. *Vespertilio temmincki:* Kock, Abh. Senckenberg. naturforsch. Ges., 521: 174. (Alternate Spelling)
1980. *Pipistrellus rueppellii:* Swanepoel, Smithers and Rautenbach, Ann. Transv. Mus., 32 (7): 171. (Name Combination, Current Combination)
1981. *Pipistrellus (Pipistrellus) rueppellii:* Hill and Harrison, Bull. Br. Mus. (nat. Hist.) Zool., 52 (7): 281. (Name Combination)
1983. *Pipistrellus (Scotozous) rueppellii:* Smithers, Mammals Southern African subreg, 97. (Name Combination)
1985. *Pipistrellus ruepellii:* Rautenbach, Fenton and Braack, Koedoe, 28: 74. (Lapsus)
1986. *Pipistrellus (Vansonia) rueppellii:* Meester, Rautenbach, Dippenaar and Baker, Transv. Mus. Monogr., 5: 50. (Name Combination)
1990. *Pipistrellus ruppellii:* Yom-Tov, Cohen and Wollberg, Mammalia, 54 (2): 281. (Name Combination)
1995. *P[ipistrellus (?Hypsugo)] rueppelli:* Pavlinov, Borissenko, Kruskop and Jahonton, Arch. Zool. Mus., Moscow State Univ., 133: 107. (Name Combination)
1995. *P[ipistrellus (Pipistrellus)] ruepelli:* Nowak, Walker's Bats of the World, 94. (Lapsus)
1996. *Eptesicus rueppellii:* Kityo and Kerbis, J. East Afr. Nat. Hist., 85: 53. (Name Combination)
? *Pipistrellus rueppellii vernayi:* (Name Combination)
? *Scotozous rueppellii:* (Name Combination)
? *Vesperugo hesperida:*

TAXONOMY:

Figure 353. *Pipistrellus rueppellii* (ECJS-126/2009) caught in the Okanango, Botswana.

Renaming of *V. temminckii* Cretzschmar, 1826 (see Allen, 1939a: 95). Mentioned in the subgenus *Vansonia* by Koopman (1994: 116). Mentioned in the subgenus *Hypsugo* inc. sedis by Pavlinov *et al.* (1995: 107).

Meester *et al.* (1986) state that Ellerman *et al.* (1953: 79) do not recognize *Vansonia*, and instead place *Pipistrellus rueppellii* in the subgenus *Scotozous*, as do later authors (Rosevear, 1965; Hayman and Hill, 1971: 41; Smithers, 1983). Corbet and Hill (1980: 68), however, retain *Scotozous* as a full genus for the Indian *S. dormeri* Dobson, 1875, and both J.E. Hill (in litt.) and K.F. Koopman (in litt.) agree that it is incorrect to use this name for *rueppellii*. *Vansonia* is therefore the prior subgeneric name for this species. Benda *et al.* (2014c: 81; 2016: 322) place *rueppellii* in the genus *Vansonia*.

Helbig *et al.* (2010: 168) suggest that *rueppellii* needs to be transferred to a genus that needs to be newly created or resurrected from the current synonymy. Also Koubínová *et al.* (2013: 8) found evidence in the cyt *b* gene to support the transfer of *rueppellii* to a distinct genus, but they indicate that further investigations on material from the type countries of *P. rueppellii* [=Sudan] and the type locality of *P. vernayi* (the type species of *Vansonia* [Maun, Ngamiland, Botswana] are needed to confirm the relationship with *Vansonia*.

The original name was spelled as *Rüppelii*, so the present spelling should probably be *rueppelii*. However, this spelling was only found one single time in all of the literature data: as a misspelling in Koopman (1975). There are a number of earlier authors which use *rueppelli* (e.g. Anderson and de Winton, 1902). Older literature data are: Wagner (1855) as *Vespertilio (Vesperugo) rüppelli*, Kolenati (1860) as *Panugo rüppelii*, and Heuglin (1877) as *Vesperugo rüppellii*. So the earliest record we were able to find was Wagner (1855), who already used the double "ll" (and double "ii"), but still used "ü", as did Heuglin (1877). Only Kolenati (1860) used a single "l". So if we consider Wagner to be the first reviewer, the name should be spelled as "*rueppellii*" with double "ll" and double "ii" and with "ue" since diacritics are no longer allowed in scientific names.

COMMON NAMES:

Afrikaans: Rüppell se vlermuis, Rüppell-vlermuis. Czech: netopýr Rüppellův, netopýr dvoubarvý. Dutch: Rüppells dwergvleermuis. English: Rüppell's Bat, Ruppell's Pipistrelle, Rüppel's Pipistrelle Bat, Rüppel's Pipistrelle. French: Pipistrelle de Rueppel, Pipistrelle de Rüppell. German: Rüppells Zwergfledermaus, Rüppells Pipistrelle, Dongola-Dämmerungsfledermaus. Italian: Pipistrèllo di Rùppell.

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:

Butler and Greenwood (1965) found in the early Pleistocene at Olduvai material which they refered to as "cf *Pipistrellus* (*Scotozous*) *rueppelli* (Fischer)" (see Butler, 1978).

CONSERVATION STATUS:

Global - A widespread species with no known major threats, hence is assessed as Least Concern (LC ver 3.1 (2001)) (Jacobs *et al.*, 2008a; IUCN, 2009).
Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008a; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004ag; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016q). 2004 - considered a vagrant not assessed, only one locality in SA (Augrabies Falls) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:

Use of pesticides against locusts is a threat (Jacobs *et al.*, 2008a; IUCN, 2009).

CONSERVATION ACTIONS:

Jacobs *et al.* (2008a) [in IUCN (2009)] report that no specific measures are known. A study on the impacts of pesticides is required, especially ways in which the impact might be minimised.

GENERAL DISTRIBUTION:

Pipistrellus rueppellii has been recorded throughout Africa, with scattered records from southwest Asia. North African records include a disjunct distribution being recorded from a small part of eastern Morocco into western Algeria, Tunisia, a single record from eastern Libya (on the border with Egypt; Benda *et al.*, 2004a) and then

in a broad strip in Egypt including all of the Nile River valley and delta and extending to the Red Sea (but not in the south) and the westernmost part of the Sinai. West African records are from the Senegal coast and the Senegal/Mauritania border. The largest contiguous range consists of a strip stretching from northern Sudan down to northern Zimbabwe, which at its widest point ranges from western Zambia to western Mozambique. Occurs up to 1,100 m in Morocco.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 477,914 km^2.

Bates *et al.* (2013: 339) reject the occurrence of *P. rueppellii* in the Republic of Congo as Malbrant and Maclatchy (1949) only suggested that it 'likely' occurs in that country.

Native: Algeria; Angola (Crawford-Cabral, 1989; Monadjem *et al.*, 2010d: 572); Benin; Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 572); Burkina Faso; Burundi; Cameroon; Central African Republic (Benda *et al.*, 2004a: 91); Chad; Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 572); Egypt (Sinai); Equatorial Guinea; Ethiopia; Gabon; Gambia; Ghana; Guinea; Guinea-Bissau; Iraq; Israel; Kenya; Liberia; Libyan Arab Jamahiriya (Benda *et al.*, 2004a: 91); Malawi (Ansell and Dowsett, 1988: 40; Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 572); Mali; Mauritania (Padial and Ibáñez, 2005: 240); Morocco (Benda *et al.*, 2004d; 2010a; El Ibrahimi and Rguibi Idrissi, 2015: 362); Mozambique; Namibia (Monadjem *et al.*, 2010d: 572); Nigeria (Benda *et al.*, 2004a: 91); Rwanda; Senegal; Sierra Leone; Somalia; South Africa (Monadjem *et al.*, 2010d: 572); Sudan; Tanzania (including Unguja [O'Brien, 2011: 290]); Togo; Tunisia; Uganda (Kityo and Kerbis, 1996: 62); Yemen; Zambia (Monadjem *et al.*, 2010d: 572); Zimbabwe (Monadjem *et al.*, 2010d: 572).

Presence uncertain: Kuwait.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002).

ECHOLOCATION:
See Jacobs (1996), Taylor (1999b) and Taylor *et al.* (2005).

Disca *et al.* (2014: 226) indicate that the type of call is FM-QFC. They also provide two different sets of parameters: A - long) F_{start}: 93.0 ± 8.9 kHz, F_{end}: 51.7 ± 0.7 kHz, F_{peak}: 53.6 ± 1.3 kHz, bandwidth: 41.3 ± 8.6 kHz, duration: 6.1 ± 1.2 msec; B - short) F_{start}: 68.2 ± 6.1 kHz, F_{end}: 52.8 ± 1.7 kHz, F_{peak}: 55.8 ± 2.0 kHz, bandwidth: 15.4 ± 6.7 kHz, duration: 2.4 ± 0.5 msec. The "B" type has not been reported from *Pipistrellus* before, and the peak frequencies of both type differ from those observed in Kenya (37.3 ± 0.8 kHz) and Zimbabwe (45 kHz).

84 calls from Israeli bats were reported by Hackett *et al.* (2016: 223): F_{start}: 62.24 ± 3.75 (55.5 - 72.0) kHz, F_{end}: 51.94 ± 0.88 (50.0 - 54.7) kHz, F_{peak}: 52.19 ± 0.97 (50.0 - 55.0) kHz, pulse duration: 4.22 ± 0.39 msec.

MOLECULAR BIOLOGY:
DNA - See Mayer *et al.* (2007).
Karyotype - Rautenbach *et al.* (1993) reported 2*n* = 36, FN = 54, BA = 20, a submetacentric X chromosome, and an acrocentric Y chromosome, for specimens from South Africa.
Protein / allozyme. - Based on the analysis of eight mitochondrial and nuclear genes, Koubínová (2013: 7) found that *P. rueppellii* was basal to the whole *Pipistrellus* / *Nyctalus* clade, and possibly might be placed in a genus of its own.

HABITAT:
In southern Africa, this species occurs primarily in Savanna (82 %) and Afromontane (11 %) habitats (Cooper-Bohannon *et al.*, 2016: Table S2).

DIET:
Benda *et al.* (2014c: 86) analyzed the content of the digestive tract of the single specimen they captured and found it contained 50 % by the volume of brachyceran Diptera, 30% of Lepidoptera and 20% of nematoceran Diptera.

PREDATORS:
Mikula *et al.* (2016: Supplemental data) mention the Bat hawk (*Macheiramphus alcinus* Bonaparte, 1850) as diurnal avian predator.

POPULATION:
Structure and Density - Unknown, because it is primarily known only from mist net captures (Jacobs *et al.*, 2008a; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008a; IUCN, 2009).

PARASITES:
SIPHONAPTERA:
Ischnopsyllidae: (*Ischnopsyllus emminus* Jordan and Rothschild, 1921 was reported from Malawi by Beaucournu and Kock (1996).

IXOIDIDA:
Hornok *et al.* (2017b: 3) collected a larva of *Argas vespertilionis* (Latreille, 1796) from a *P.* cf. *rueppellii* from South Horr, Kenya.

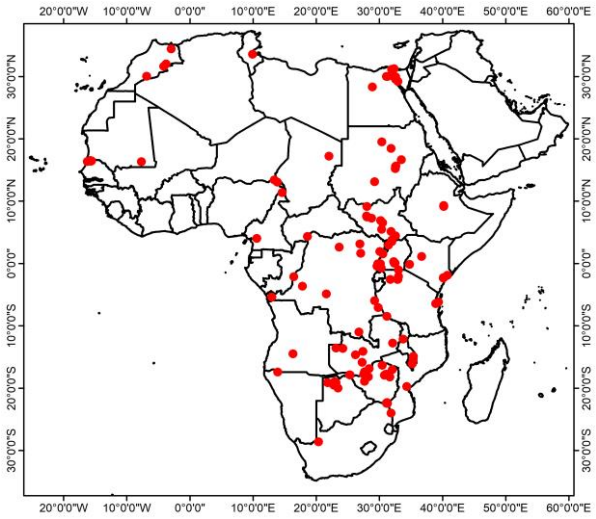

Figure 354. Distribution of *Pipistrellus rueppellii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Angola, Botswana, Cameroon, Central African Republic, Chad, Congo (Democratic Republic of the), Egypt, Ethiopia, Kenya, Malawi, Mauritania, Morocco, Mozambique, Namibia, Nigeria, Senegal, South Africa, South Sudan, Sudan, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe.

Pipistrellus rueppellii fuscipes Thomas, 1913

*1913. *Pipistrellus fuscipes* Thomas, Ann. Mag. nat. Hist., ser. 8, 11 (63): 315. Publication date: 1 March 1913. Type locality: Uganda: Entebbe, 60 mi (90 km) W [00 04 N 32 20 E, 3 700 ft] [Goto Description]. Holotype: BMNH 1906.7.1.5: ad ♂, skin and cranium only (no mandibula). Collected by: R.E. Dent and The Ruwenzori Expedition; collection date: 29 November 1905; original number: 1. See Thomas (1913b: 315).
1939. *Pipistrellus rüppellii fuscipes:* G.M. Allen, Bull. Mus. comp. Zool., 83: 96. (Name Combination)
1951. *Pipistrellus (Scotozous) ruppellii fuscipes:* Swynnerton and Hayman, J. East Afr. Nat. Hist. Soc., 20 (6-7) (90): 293 (for 1950). (Name Combination)
1960. *Pipistrellus ruppelli fuscipes:* Harrison, J. East Afr. Nat. Hist. Soc., 23 (7)(104): 294. Publication date: December 1860. (Name Combination, Alternate Spelling)
1966. *Pipistrellus (Scotozous) rüppelli fuscipes:* Hayman, Misonne and Verheyen, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., (8) 154: 55. (Name Combination)
1975. *P[ipistrellus] r[ueppelli] fuscipes:* Koopman, Bull. Am. Mus. Nat. Hist., 154 (4): 404. (Name Combination)
1984. *Pipistrellus (Scotozous) rueppelli fuscipes:* Anciaux de Faveaux, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch.. (Name Combination)
1994. *P[ipistrellus (Vansonia)] r[ueppelli] fuscipes:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 116. (Name Combination)
? *Pipistrellus (Vansonia) rueppellii fuscipes:* (Name Combination)
? *Pipistrellus rueppellii fuscipes:* (Name Combination, Current Combination)

GENERAL DISTRIBUTION:
Ethiopia to northern Angola.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
South Sudan, Tanzania, Uganda.

Pipistrellus rueppellii pulcher (Dobson, 1875)

*1875. *Vesperugo pulcher* Dobson, Proc. zool. Soc. Lond., 1875, III: 471. Publication date: October 1875. Type locality: Tanzania: Zanzibar [ca. 06 10 S 39 12 E] [Goto Description]. Holotype: BMNH 1868.12.22.3: ad ♂, alcoholic (skull not removed). Presented/Donated by: Dr. Kirk.
1878. *Vesperugo (Vesperugo) pulcher:* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, 233. (Name Combination)
1902. *P[ipistrellus] pulcher:* Anderson and de Winton, Zoology of Egypt: Mammalia, 129. (Name Combination)
1910. *Pipistrellus pulcher:* Thomas and Wroughton, Trans. Linn. Soc. Lond., 19 (5) (63): 489. (Name Combination)

1984. *Pipistrellus (Scotozous) rueppelli pulcher:* Anciaux de Faveaux, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch. (Name Combination)
1994. *P[ipistrellus (Vansonia)] r[ueppelli] pulcher:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 116. (Name Combination)
? *Pipistrellus rueppellii pulcher:* (Name Combination, Current Combination)

GENERAL DISTRIBUTION:
Northeastern Tanzania and Zanzibar.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Tanzania.

Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)

1827. *Vespertilio temminckii* Cretzschmar, in: Rüppell, Atlas Reise Nördlichen Afrika, Zoologie Säugethiere, 1: 17: pl. 6. Type locality: Sudan: Northern province: Dongola [19 10 N 30 27 E]. Lectotype: SMF 4308: ad ♂, skin only. Collected by: Wilhem Peter Edward Simon Rüppell; collection date: 1824. Old catalog: II.N.11.b: see Mertens (1925: 22). - Comments: Preoccupied by *temmincki* Horsfield, 1824 (a *Scotophilus*): see Allen (1939a: 95), Meester *et al.* (1986: 51), Simmons (2005). The publication date of Cretzschmar's work is sometimes indicated as "1826" (as mentioned on the title page), but also as "1827", "1828", "1830-1831".
*1829. *Vespertilio ruppellii* J.B. Fischer, Synopsis Mamm, 109. Publication date: 1829. Type locality: Sudan: Northern province: Dongola [19 10 N 30 27 E].
1866. *Vesperugo hypoleucus* Heuglin and Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 54 (1) 10: 546. Publication date: 1866. Type locality: Sudan: between Kéréri, Halfaye & Surerát on the Nile: Sennaar, near Khartoum, [ca. 15 35 N 33 38 E] [Goto Description]. Holotype: NMW 24574: ad, skin and skull. Collection date: August 1853. - Comments: Meester *et al.* (1986: 51) assigned it to Fitzinger only.
1866. *Vesperugo sennaariensis* Heuglin and Fitzinger, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 54 (1) 10: 546. Publication date: 1866. Type locality: Sudan: Khartoum [15 40 N 32 35 E, 380 m] [Goto Description]. - Comments: Nomen nudum (see Allen, 1939a: 95; Meester *et al.*, 1986: 51).
1877. *Vesperugo senarensis* Heuglin, Reise in Nordost Afrika, 2: 32. Publication date: 1877 [Goto Description]. - Comments: Nomen nudum (see Allen, 1939a: 95; Meester *et al.*, 1986: 51).
1939. *Pipistrellus rüppellii rüppellii:* G.M. Allen, Bull. Mus. comp. Zool., 83: 95. (Name Combination)
1955. *Pipistrellus ruppelli ruppelli:* Sanborn and Hoogstraal, J. Egypt. Publ. Health Ass., 30 (4): xxx.
1958. *Pipistrellus (Scotozous) rueppelli rueppeli:* Anciaux de Faveaux, Bull. IFAN, (A) 20 (1): 273. (Name Combination, Alternate Spelling)
1962. *Pipistrellus ruppelii ruppelii:* Heyneman and Macy, J. Egypt. Publ. Health Ass., 37 (4): 123. (Alternate Spelling)
1964. *Scotozous r[üppelli] rüppelli:* Niethammer, Alexander Koenigs Reisen am Nil, 72. (Name Combination)
1966. *Pipistrellus (Scotozous) rüppelli rüppelli:* Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian Mammals 1758 to 1946. (Second Edition), 172. (Name Combination)
1974. *Pipistrellus rueppelli rueppelli:* Largen, Kock and Yalden, Mon. Zool. ital., (N.S.) 16 (Suppl. 5): 222, 245.
1978. *Pipistrellus rüppelli rüppelli:* Madkour, Zool. Anz., 201 (5/6): 387. (Alternate Spelling)
1983. *P[ipistrellus (Vansonia)] r[ueppellii] rueppellii:* Smithers, Mammals Southern African subreg, 97. (Name Combination)
1984. *Pipistrellus rueppellii rueppellii:* Rautenbach, Schlitter and Braack, Koedoe, 27: ???. (Name Combination, Current Combination)
1988. *Pipistrellus (Pipistrellus) rueppellii rueppellii:* Ansell and Dowsett, Mammals of Malawi, 39. (Name Combination)
1994. *P[ipistrellus (Vansonia)] r[ueppelli] rueppelli:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 116. (Alternate

Spelling)

MAJOR THREATS:
Sherwin *et al.* (2012: 174) consider water stress and the aerial hawking feeding style to be risk factors related with climatic change.

GENERAL DISTRIBUTION:
Egypt to Nigeria and Central Sudan.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Egypt, Ethiopia, South Sudan, Sudan, Tanzania.

Pipistrellus rueppellii senegalensis Dorst, 1960

*1960. *Pipistrellus Rüppelli senegalensis* Dorst, Bull. Mus. natn. Hist. nat., Paris, sér. 2, 31: 473 (for 1959). Type locality: Senegal: Richard Toll [16 48 N 15 42 W] [Goto Description]. Holotype: MNHN ZM-MO-1960-81: ad ♀, skull and alcoholic. Collected by: Francis Roux; collection date: September 1958.
1965. *Pipistrellus (Scotozous) rueppelli senegalensis:* Rosevear, Bats of West Africa, 272. (Name Combination)
1972. *P[ipistrellus] ruepelli senegalensis:* Adam and Hubert, Mammalia, 36 (1): 59. (Lapsus)
1972. *Pipistrellus rueppeli senegalensis:* Adam and Hubert, Mammalia, 36 (1): 64. (Name Combination)
1972. *Pipistrellus rueppelli senegalis:* Adam and Hubert, Mammalia, 36 (1): 59. (Lapsus)
1982. *Pipistrellus ruppelli senegalensis:* Verschuren, Mém. IFAN, 92: 307. (Alternate Spelling)
1994. *P[ipistrellus (Vansonia)] r[ueppelli] senegalensis:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 116. (Name Combination)
1998. *P[ipistrellus (Pipistrellus)] r[ueppellii] senegalensis:* Grubb, Jones, Davies, Edberg, Starin and Hill, Mammals of Ghana, Sierra Leone and The Gambia, 84.
? *Pipistrellus rueppellii senegalensis:* (Current Combination, Current Spelling)

GENERAL DISTRIBUTION:
Algeria to Senegal.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Senegal.

Pipistrellus rueppellii vernayi Roberts, 1932

*1932. *Pipistrellus vernayi* Roberts, Ann. Transv. Mus., 15 (1): 16. Publication date: 1 October 1932. Type locality: Botswana: Ngamiland: Maun [19 59 S 23 25 E] [Goto Description]. Holotype: TM 6546: ad ♂. Collected by: The Vernay-Lang Kalahari Expedition 1930; collection date: 29 May 1930; original number: 648.
1933. *Pipistrellus leucomelas* Monard, Bull. Soc. Neuchât. Sci. nat., 57: 47 (for 1932?). Publication date: 1933. Type locality: Angola: South-Central Angola: Vila da Ponte [14 25 S 16 15 E].
1939. *Pipistrellus rüppellii vernayi:* G.M. Allen, Bull. Mus. comp. Zool., 83: 96. (Name Combination, Current Combination)
1946. *[Vansonia] vernayi:* Roberts, Ann. Transv. Mus., 20 (4): 304. (Name Combination)
1951. *Vansonia vernayi:* Roberts, Mammals of South Africa, 82. (Name Combination)
1953. *Pipistrellus (Scotozous) rueppelli vernayi:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 78. (Name Combination)
1978. *Pipistrellus rueppelli vernayi:* Ansell, Mammals of Zambia, 24. (Name Combination)
1983. *P[ipistrellus (Scotozous)] r[ueppellii] vernayi:* Smithers, Mammals Southern African subreg, 97. (Name Combination)
1984. *Pipistrellus (Scotozous) rueppelli leucomelas:* Anciaux de Faveaux, Ann. Kon. Mus. Mid. Afr., Zool. Wetensch., 244: 49.
1986. *Pipistrellus (Vansonia) rueppellii vernayi:* Meester, Rautenbach, Dippenaar and Baker, Transv. Mus. Monogr., 5: 51. (Name Combination)
1994. *P[ipistrellus (Vansonia)] r[ueppelli] leucomelas:* Koopman, in: Niethammer, Schliemann and Starck, Handbook of Zoology, volume II (Mammalia) Chiroptera, (60) 116.
? *Pipistrellus (Vansonia) rueppellii leucomelas:*

? *Pipistrellus rueppellii leucomelas:*
? *Pipistrellus rueppellii vernayi:* (Current Spelling)

TAXONOMY:
If *vernayi* and *leucomelas* indeed represent the same form, then it might become important to check the actual publication date of *leucomelas*. This name was published in the 1932 issue of the "Bulletin de la Société Neuchâteloise de Sciences Naturelles", but the issue seemed to have appeared in 1933. Otherwise, this name might have priority over *Pipistrellus vernayi* which was published on 1 October 1932.

At present, we synonymize both names and consider *vernayi* to be the oldest name.

Kock (1969a: 174) points out that *leucomelas* might be a homonym of *Vespertilio leucomela* Cretzschmar, 1830.

GENERAL DISTRIBUTION:
Malawi to Transvaal and Southern Angola.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Botswana, South Africa, Zambia.

Pipistrellus rusticus (Tomes, 1861)

*1861. *Scotophilus rusticus* Tomes, Proc. zool. Soc. Lond., 1861, I: 31, 35. Publication date: May 1861. Type locality: Namibia: Ovamboland: Olifants Vlei [18 00 S 17 30 E] [Goto Description]. Lectotype: BMNH 1907.1.1.419: ad ♀, skin and skull. Collected by: 1 Anderson; original number: 176a. Paralectotype: BMNH 1907.1.1.420: ad, skin and skull. Collected by: 1 Anderson; collection date: November 1899; original number: 176b. - Etymology: Lanza *et al.* (2015: 441) mention "The masculine Latin adjective *rùsticus* actually means "rural, country" i. e. farmland-loving. Tomes (1861b: 35) apparently used this adjective erroneously instead of the masculine Latin adjective *robiginosus* "rusty", referring to the fur dorsal colour of the species: 'On the upper surface it is dark brown at the roots, with the terminal half light cinnamon-brown […].' ".
1913. *Pipistrellus rusticus:* Roberts, Ann. Transv. Mus., 4: 67. (Name Combination, Current Combination)
1923. *Pipistrellus marrensis* Thomas and Hinton, Proc. zool. Soc. Lond., 1923, II: 249. Publication date: 6 July 1923. Type locality: Sudan: foothills S Jebel Marra: Darfur [12 54 N 24 21 E, 4 000 ft] [Goto Description]. Holotype: BMNH 1923.1.1.15: ad ♂. Collected by: Captain/Rear-Admiral Hubert Lynes and Willoughby P. Lowe; collection date: 3 April 1924; original number: 633.
1934. *Eptesicops rusticus:* Shortridge, Mammals of South West Africa, 60. (Name Combination)
1953. *Pipistrellus (Pipistrellus) rusticus:* Ellerman, Morrison-Scott and Hayman, Southern African mammals 1758 to 1951, 78. (Name Combination)
1959. *Pipistrellus (Eptesicops) rusticus:* Anonymus, Koedoe, 3: 58. (Name Combination)
1968. *Pipistrellus (Pipistrellus) rusticus rusticus:* Smithers, A check list and atlas of the mammals of Botswana (Africa), ???. (Name Combination)
1971. *Pipistrellus [(Pipistrellus)] rusticus marrensis:* Hayman and Hill, Mammals of Africa: Chiroptera, 40. (Name Combination)
1975. *P[ipistrellus] r[usticus] rusticus:* Wilson, Mus. Mem., Salisbury, 5: 141. (Name Combination)
? *Pipistrellus rusticus marrensis:* (Name Combination)
? *Pipistrellus rusticus phasma:* (Name Combination)
? *Pipistrellus rusticus rusticus:* (Name Combination)

TAXONOMY:

Figure 355. A male *Pipistrellus rusticus* (TM 48130) caught at Makalali-GR, Limpopo, South Africa.

See Simmons (2005).

COMMON NAMES:
Afrikaans: Roeskleurvlermuis. Czech: netopýr damarský. English: Rusty Bat, Rusty Pipistrelle Bat, Rusty Pipistrelle. French: Pipistrelle rustique, Pipistrelle rouille. German: Rostfarbene Zwergfledermaus, Rostfarbene Pipistrelle. Italian: Pipistrèllo rugginóso.

ETYMOLOGY OF COMMON NAME:
The colloquial name refers to the rusty colour of their fur (Taylor, 2005).

CONSERVATION STATUS:
Global - Listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008am; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) (Jacobs *et al.*, 2008am; IUCN, 2009). 2004 - LC ver 3.1 (2001) (Jacobs *et al.*, 2004ao; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - LC ver 3.1 (2001) (Monadjem *et al.*, 2016r). 2004 - NT ver 3.1 (2001) (Friedmann and Daly, 2004). 1986 - Indeterminate (Smithers, 1986).

MAJOR THREATS:
There appear to be no major threats to this species as a whole (Jacobs *et al.*, 2008am; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008am) [in IUCN (2009)] report that this species has been recorded from Mole National Park in Ghana (Grubb *et al.*, 1998). No direct conservation measures are currently needed for this species as a whole.

GENERAL DISTRIBUTION:
Pipistrellus rusticus has been widely, but patchily, recorded throughout much of sub-Saharan Africa. It is distributed from Senegal and The Gambia in the west, with easternmost records from Ethiopia close to the Somalia border area. It is found as far south as northern South Africa (where its distribution is mostly affected by precipitation seasonality; Babiker Salata (2012: 49)) and central Namibia. Other than records from southern Chad and northern Central African Republic, the species has not been recorded in Central Africa.

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 842,481 km^2.

Fahr (2007a: 105) assigns the Liberian *rusticus* specimens tentatively to *hesperidus*.

Native: Angola; Botswana (Archer, 1977; Monadjem *et al.*, 2010d: 572); Burkina Faso (Kangoyé *et al.*, 2015a: 621); Central African Republic (Kock *et al.*, 2002: 87); Chad; Ethiopia; Gambia (Kock *et al.*, 2002: 87); Ghana; Kenya; Malawi (Ansell and Dowsett, 1988: 40; Happold *et al.*, 1988; Monadjem *et al.*, 2010d: 572); Mozambique; Namibia (Monadjem *et al.*, 2010d: 572); Nigeria; Senegal; South Africa (Monadjem *et al.*, 2010d: 572); Sudan (Kock *et al.*, 2002: 87); Tanzania (Kock *et al.*, 2002: 87); Uganda; Zambia (Ansell, 1969; Ansell, 1973; Monadjem *et al.*, 2010d: 572); Zimbabwe (Monadjem *et al.*, 2010d: 572).

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987) and Kearney *et al.* (2002).

ECHOLOCATION:
In Waterberg, South Africa, Taylor *et al.* (2013b: 17) recorded the following parameters for 1 call: F_{max}: 62.1 kHz, F_{min}: 55.3 kHz, F_{knee}: 57.6 kHz, F_{char}: 55.4 kHz, duration: 3.1 msec.

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Both Rautenbach *et al.* (1993) and Kearney *et al.* (2002) reported $2n$ = 42, FN = 50, BA = 10, and an acrocentric Y chromosome, for specimens from South Africa. However, while Rautenbach *et al.* (1993) reported a submetacentric X chromosome, Kearney *et al.* (2002) reported a metacentric X chromosome. GTG banding identified that *P. hesperidus* and *P. rusticus* share the same Robertsonian fusion of chromosomes 11/12 (Kearney *et al.*, 2002).
Protein / allozyme - Unknown.

HABITAT:
In southern Africa, *P. rusticus* occurs in Savanna habitats (84 %; Cooper-Bohannon *et al.*, 2016: Table S2).

POPULATION:
Structure and Density - This species is locally common (Jacobs *et al.*, 2008am; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008am; IUCN, 2009).

REPRODUCTION AND ONTOGENY:
P. rusticus displays a clear disassociation between male and female gamete production (van der Merwe and Mostert, 2005: 45). Spermatogenesis occurs during summer, and by late autumn the testes have regressed and the caudae epididymidis are full of stored spermatozoa (van der Merwe and Rautenbach, 1990). Mating is initiated in autumn, and spermatozoa from these inseminations are stored throughout the winter in the uteri of females (van der Merwe and Rautenbach, 1990; van der Merwe, 1994). Ovulation occurs late in winter to early spring and the released ova are fertilized by the spermatozoa stored within the female (van der Merwe and Mostert, 2005: 45).

van der Merwe and Rautenbach (1990: 538) found that 1 to 5 embryos might be present, but a maximum of two become implanted. The other embryos (up to morula stage) are resorbed (p. 540).

P. rusticus are seasonally monoestrous breeders and normally give birth to twins during the middle of November (van der Merwe and Rautenbach, 1990: 539; van der Merwe, 1994). However, occasional singletons have been recorded by van der Merwe and Rautenbach (1990). The uterus is bicornuate and a single foetus is carried in each of the uterine horns (van der Merwe and Rautenbach, 1990). *P. rusticus* is unique, in that although implantation is superficial, the amnion is formed by means of cavitation (van der Merwe, 1994). According to van der Merwe and Rautenbach (1990), embryonic development seems to be retarded just after implantation.
van der Merwe and Mostert (2005) investigated the reproductive pattern of female *P. rusticus* in South Africa by means of a histological examination of the ovarian follicles as well as early embryonic development. Female *P. rusticus* are seasonal monestrous breeders, initiating copulation in mid-autumn (April), storing sperm until the time of ovulation in late winter (August), and giving birth to twins in late spring (November). The period April until mid-August was characterized by sperm storage and increased follicular development. During mid-August the females ovulate and excess sperm were discarded. Females released between three and five ova, while a maximum of two embryos implanted successfully. Only a single embryo implanted per uterine horn. Embryo movement through the Fallopian tubes appeared to be a rapid process. Redundant embryos were resorbed before implantation. The period from the end of August until mid-November was marked by Pregnancy. Females invariably carried twins (one foetus in each uterine horn). Large-scale follicle atresion, and very low levels of follicle development, chatacterized the period end of August until March. High incidences of polyovular follicles were recorded for all months of the year. No obvious form of reproductive asymmetry was recorded in *P. rusticus* (van der Merwe and Mostert, 2005).

MATING:
For Northern Transvaal (RSA), van der Merwe and Rautenbach (1990: 538) indicate that copulation was initiated during April, and ovluation and fertilization takes place in the second half of August.

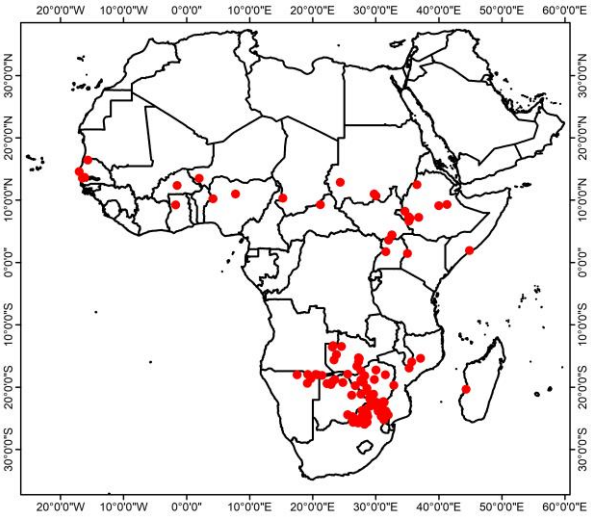

Figure 356. Distribution of *Pipistrellus rusticus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Botswana, Burkina Faso, Cameroon, Central African Republic, Egypt, Ethiopia, Ghana, Kenya, Madagascar, Malawi, Mozambique, Namibia, Niger, Nigeria, Senegal, Somalia, South Africa, South Sudan, Sudan, The Gambia, Uganda, Zambia, Zimbabwe.

Pipistrellus sp. aff. ***kuhlii*** Kuhl, 1817

*2001. *Pipistrellus cf kuhlii* Volleth, Bronner, Göpfert, Heller, von Helversen and Yong, Chromosome Res., 9 (1): 26. (Current Combination)

TAXONOMY:
Volleth *et al.* (2001: 25) report a *Pipistrellus kuhlii*-like species from Madagascar, which they separated from the European *Pipistrellus* based on a different diploid chromosome number. This form might possibly be conspecific with *Pipistrellus hesperidus* Temminck, 1840, since Bates *et al.* (2006: 299) mention *P. hesperidus* from Madagascar.

Pipistrellus "incertae-sedis"

1858. *Nannugo Kolenatii* Müller, Lotos (Prag), 8: 75, figs 1 - 4. Type locality: Egypt: "Egypt" [Goto Description].
1862. *Vespertilio (Nannugo) Kolenatii:* Koch, Nass. Naturw. Jahrb., 18: 397.
2013. *Pipistrellus cf. hesperidus:* Koubínová *et al.*, Front. Zool., 10: 1-48. - Comments: Koubínová *et al.* (2013: 7) found found differences in dipoloid chromosome number and/or in chromosome morphology between the populations from Senegal and other regions in Africa. (Name Combination)

TAXONOMY:
Müller (1858: 75) called *Nannugo Kolenati* one of the smallest Nord African bat species. Its German name "Die weissgesäumte Buschfledermaus" indicates that a white edge on the wing membrane was present.
Koch (1862: 397) considers this form a relative of *Nannugo marginatus*, which in turn is a synonym of *P. kuhlii*. Except for these two publications, no other references to this form were found.
The description does not enable us to assign this name to either *Pipistrellus kuhlii* Kuhl, 1817 or *Pipistrellus deserti* Thomas, 1902. In the latter case this name might be a senior synonym, provided *aegyptius* Fischer, 1829 is to be ignored. However, this name clearly does qualify for the status of "*nomen oblitum*", and should, therefore, probably be ignored.

Genus ***Plecotus*** E. Geoffroy St.-Hilaire, 1818

1816. *Macrotus* Leach, Cat. Mamm. Birds B.M, p 5. - Comments: Type species: *Macrotus europaeus* Leach, 1816 [= *Vespertilio auritus* Linnaeus, 1758]. Preoccupied by *Macropus* Gray, 1842, *Nomen nudum* by Pavlinov *et al.* (1995: 103).. - Etymology: From the Greek "*μακρός*", meaning large and "*ούς*" or "*ώτός*", meaning ear, referring to very large ears (see Palmer, 1904: 395).
*1818. *Plecotus* E. Geoffroy Saint-Hilaire, Description des Mammifères qui se trouve en Egypte, 2: 112, pl. 2, No 3. Publication date: 1818. - Comments: Type species: *Vespertilio auritus* Linnaeus, 1758. - Etymology: From the Greek "*pleko*" meaning folded or twisted and "*otis*" meaning ear (see Jones, 1977a: 3; Álvarez-Castañeda and Álvarez Solórzano, 1996: 43). Gardner (2005: 184) considers this to be masculine (*Plec* = twisted + *ot* = ear(ed) + *us* (Latin second declension ending)). (Current Combination)
1829. *Plecautus:* F. Cuvier. - Comments: Lapsus: see Cabrera (1914). (Lapsus)
? *Plecotus sp.:*

TAXONOMY:
A key to the genus was published by Jones (1977a: 1). Mediterranean and Atlantic islands forms reviewed by Juste *et al.* (2004a).

Benda *et al.* (2006) indicated that Benda *et al.* (2004c) and Spitzenberger *et al.* (2006) performed combined genetic and morphological analyses of Mediterranean plecotine bats with very similar results but with a slightly different interpretation. The difference is in the taxonomic evalutation of the *kolombatovici* clade of the *austriacus* group (in the sense of Juste *et al.* (2004a). This clade consists of a mosaic of morphotypes with a relatively very shallow genetic divergence. Benda *et al.* (2004c) coidentified this group with one species *P. teneriffae*, containg three to four more or less distinct forms living in allopatry (*teneriffae*,

kolombatovici, *gaisleri*, and a possible fourth form in the Maghreb, but preliminary included into *gaisleri*). Spitzenberger *et al.* (2006) distinguished two species in the clade, the monotypic *P. teneriffae* and *P. kolombatovici* with three forms, *kolombatovici*, *gaisleri*, and the unnamed Maghrebian form. A third possible interpretation, considering three species within the clade (which well confirm with the morphological evidence) was recently suggested by Mayer *et al.* (2007). Since all three analyses used almost the same types of character sets, their interpretations are alternatives arising from almost identical results. Thus, contrary to Benda *et al.* (2006) who suggest to follow the 'intermediate' designation *P.* (*teneriffae*) *gaisleri* for the populations of the Maghreb and Cyrenaica, the IUCN evaluated *P. kolombatovici* including these North African populations.

Known species of the genus *Plecotus*: *alpinus* Kiefer and Veith, 2002 – France, Liechtenstein, Switzerland, Austria, Croatia, Greece (Simmons, 2005: 482); *auritus* (Linnaeus, 1758) – Norway, Ireland and Spain to Sakhalin Isl (Russia), Korea, Japan, northern China, Nepal, India (Simmons, 2005: 482); *austriacus* (J. Fischer, 1829) – England and Spain to Mongolia and western China (Simmons, 2005: 482); ***balensis*** Kruskop and Lavrenchenko, 2000; ***christii*** Gray, 1838; *kolombatovici* Dulic, 1980 – Croatia and nearby islands in the Adriatic Sea (Simmons, 2005: 483); ***gaisleri*** Benda, Kiefer, Hanak and Veith, 2004; *sardus* Mucedda, Kiefer, Pidinchedda and Veith, 2002; *taivanus* Yoshiyuki, 1991 – Taiwan (Simmons, 2005: 483); ***teneriffae*** Barrett-Hamilton, 1907.

COMMON NAMES:
Czech: praví ušani (ušanové, srostlouchové, pletušanové, vrásničové. English: Long-eared bats, Old World Big-eared Bats, Big-eared Bats, Old World Long-eared Bats. French: Oreillards, Chauves-souris à grandes oreilles. German: Langohrfledermäuse, Langohren.

GENERAL DISTRIBUTION:
Dorst and de Naurois (1966: 292) report on *Plecotus austriacus* specimens collected on the Cape Verdian islands of Maio and Santiago.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Canary Islands (Spain), Cape Verde.

Plecotus balensis Kruskop & Lavrenchenko, 2000

*2000. *Plecotus balensis* Kruskop and Lavrenchenko, Myotis, 38: 6, figs 1, 5, 6, 7. Publication date: December 2000. Type locality: Ethiopia: Southern Ethiopia, Bale Mountains National Park: Harenna Forest [06 45 N 39 44 E, 2 760 m] [Goto Description]. Holotype: ZMMU S-164904: ad ♂, skin and skull. Collected by: Sergey V. Kruskop; collection date: 29 December 1995. - Etymology: In reference to the Bale mountains, the area from where the type specimen originated (see Kruskop and Lavrenchenko, 2000: 8). (Current Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Czech: ušan habešský. English: Bale Big-eared Bat, Bale Long-eared Bat, Ethiopian Big-eared Bat, Ethiopian Long-eared Bat. French: Oreillard d'Ethiopie. German: Bale-Langohr.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status. The species has only been recently described, and there remains very little information on the distribution of the species. While it is currently known from fewer than five locations, it seems plausible that the species ranges more widely than this and does not therefore qualify for Vulnerable B2ab(iii) (Lavrenchenko *et al.*, 2008; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Lavrenchenko *et al.*, 2008; IUCN, 2009). 2004 - VU D2 ver 3.1 (2001) (Lavrenchenko *et al.*, 2004a; IUCN, 2004).

MAJOR THREATS:
This species is threatened by the rapid destruction of montane forest, presumably through extraction of timber and firewood, and the conversion of land to agricultural use (Lavrenchenko *et al.*, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Lavrenchenko *et al.* (2008) [in IUCN (2009)] report that this species has been recorded within the Bale Mountains National Park. Additional management of the area is needed to prevent further deforestation of the Harenna Forest. There is a need for further field surveys to better determine the range of this species.

GENERAL DISTRIBUTION:
Plecotus balensis is endemic to the Ethiopian highlands were it is currently known only with certainty from the upper belts of the Harenna Forest in the Bale Mountains National Park and from Abune Yosef (Kruskop and Lavrenchenko, 2000; Juste *et al.*, 2004a; Benda *et al.*, 2004c). There is an early record from "Shoa" (= Shewa), which probably came from the uplands north or northwest of Addis Ababa (Kruskop and Lavrenchenko, 2000). It is possible that the species occurs in similar areas of montane forest, but it has not been recorded during surveys in either the Beletta Forest or the Sheko Forest (Kruskop and Lavrenchenko, 2000). The species is found at elevations of 2,500 to 3,000 m asl.

There are a number of poorly documented museum specimens that may have come from additional sites within Ethiopia, or possibly from adjacent Eritrea (although this may refer to a specimen of *Plecotus christii*) (Kruskop and Lavrenchenko, 2000).

Benda *et al.* (2011b: 44) tentatively assign *Plecotus* specimens from Yemen to this taxon as *Plecotus* cf. *balensis*.

Native: Ethiopia (Kruskop and Lavrenchenko, 2000; Juste *et al.*, 2004a; Benda *et al.*, 2004c).
Presence uncertain: Eritrea (Kruskop and Lavrenchenko, 2000).

DETAILED MORPHOLOGY:
Baculum - See Kruskop and Lavrenchenko (2000), Benda *et al.* (2004c).

MOLECULAR BIOLOGY:
DNA - See Benda *et al.* (2004c), Juste *et al.* (2004c).
Karyotype - Unknown.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - Kruskop and Lavrenchenko (2000) mention that this bat appears to be relatively common within its limited distribution.
Trend - 2008 - Unknown (Lavrenchenko *et al.*, 2008; IUCN, 2009).

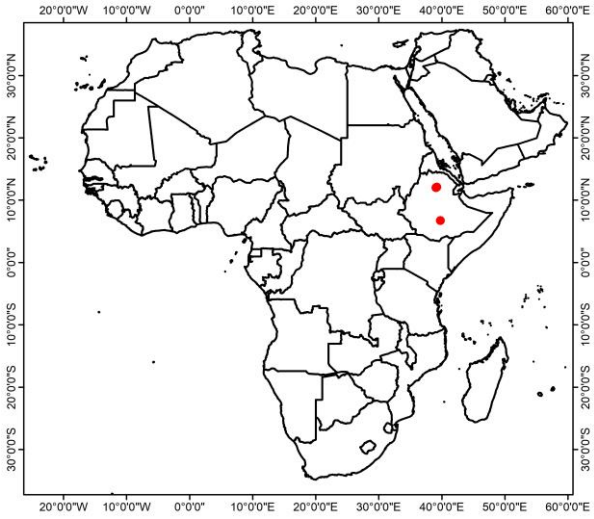

Figure 357. Distribution of *Plecotus balensis*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Ethiopia.

Plecotus christii Gray, 1838

1829. *Vespertilio auritus ß aegyptius* J.B. Fischer, Synopsis Mamm, 117. Publication date: 1829. - Comments: Junior homonym of *Vespertilio pipistrellus var aegyptius*: see Qumsiyeh (1985: 65). Allen (1939a: 96) mentioned this form to be based on the description by E. Geoffroy, 1818: Description de l'Egypte, 2: 119.

*1838. *Plecotus christii* Gray, Mag. Zool. Bot., Edinburgh, 2 (12): 495. Publication date: 1 February 1838. Type locality: Egypt: southern Egypt: Nile valley between Qena and Aswan. Lectotype: BMNH 1866.a: skin only. Collected by: Major (Dr.) Turnbell Christie. Skin in poor condition. Sometimes also mentioned as "BMNH GMC M66a". - Comments: Type locality originally North Africa, but restricted by Qumsiyeh (1985: 65, 67) to southern Egypt, Nile valley between Qena and Aswan. Between 16° 10' N, 32° 43' E and 24° 05' N, 32° 53' E: see Benda *et al.* (2008f: 70). - Etymology: In honour of Dr. Turnbull Christie, the collector of the type specimen (see Gray, 1838: 495).

1866. *Plecotus æthiopicus* Heuglin, in: Fitzinger and Heuglin, Sber. k. Akad. Wiss. Wien, math. naturw. Kl., 54 (1) 10: 546. Publication date: 1866. Type locality: Sudan: Bahr-el-Abiad [ca. 14 00 N 33 00 E]. - Comments: Nomen nudum. Mentioned by Allen (1939a: 96) as a synonym of *Plecotus auritus aegyptiacus* Geoffroy.

1878. *Plecotus ægyptiacus* Dobson, Catalogue of the Chiroptera of the collection of the British Museum, p. 178. Publication date: June 1878. Type locality: Egypt. Topotype: MCZ 32976: ♂, alcoholic (skull not removed). Collected by: Dr. John Anderson. - Comments: Allen (1939a: 96) mentioned "I. Geoffroy, Mag. de Zool., 2: cl. 1, p. 2 of description of pl.

2-3, 1832, who repeats characters given by E. Geoffroy, in Description de l'Egypte, 2: 119, 1818. Egypt". Kock (1969a: 179) also mentions "I. Geoffr.", buf refers to Fitzinger (in Heuglin and Fitzinger, 1866: 545) as first reference, who reported it from Egypt, Abyssinia and Shoa. Pavlinov *et al.* (1995) mentioned Dobson, 1878 as author.

1911. *Plecotus christiei:* Thomas, Proc. zool. Soc. Lond., 1911, I: 160. - Comments: Unjustified emendation (Benda *et al.*, 2006). (Emendation)

1964. *Plecotus austriacus christiei:* - Comments: Unjustified emendation (see Thomas, 1911; Benda *et al.*, 2006). (Name Combination, Lapsus)

2002. *Plecotus cristiei:* Kiefer and Veith, Myotis, 39: 12. (Lapsus)

2008. *Plecotus christii petraeus* Benda, in: Benda, Dietz, Andreas, Hotový, Lucan, Maltby, Meakin, Truscott and Vallo, Acta Soc. Zool. Bohem., 72: 1, 71, fig. 68. Type locality: Egypt: Sinai: Janub Sina Governate: Wadi Feiran: western edge of Feiran Oasis [28 43 N 33 37 E, 595 m]. Holotype: NMP 90496: ad ♂, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Josef Hotový and Radek K. Lucan; collection date: 8 September 2005; original number: pb2858. see Benda in Mlíkovský *et al.* (2011: 138). Paratype: BMNH 1903.12.8.5: ad ♀, skull and alcoholic. Collected by: Dr. John Anderson. Tor [= El Tur], Sinai [Egypt]. Paratype: NMP 90497: sad ♀, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Josef Hotový and Radek K. Lucan; collection date: 9 September 2005; original number: pb2859. El Milga, Sinai, Egypt. See Benda in Mlíkovský *et al.* (2011: 138). Paratype: NMP 90499: ad ♂, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Josef Hotový and Radek K. Lucan; collection date: 10 September 2005; original number: pb2861. Feiran, Sinai, Egypt. See Benda in Mlíkovský *et al.* (2011: 138). Paratype: NMP 90518: ad ♀, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Josef Hotový and Radek K. Lucan; collection date: 10 September 2005; original number: pb2880. El Tur, Hammam Musa, Sinai, Egypt. See Benda in Mlíkovský *et al.* (2011: 138). Paratype: NMP 90519: ad ♂, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Josef Hotový and Radek K. Lucan; collection date: 10 September 2005; original number: pb2881. El Tur, Hammam Musa, Sinai, Egypt. See Benda in Mlíkovský *et al.* (2011: 138). Paratype: NMP 90523: ad ♂, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Josef Hotový and Radek K. Lucan; collection date: 15 September 2005; original number: pb2885. Ain Hudra, Sinai, Egypt. See Benda in Mlíkovský *et al.* (2011: 138). Paratype: NMP 90533: ad ♀, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Josef Hotový and Radek K. Lucan; collection date: 18 September 2005; original number: pb2895. Ain Sudr, Sinai. See Benda in Mlíkovský *et al.* (2011: 138). Paratype: TAU M.7160: ad ♂, skin and skull. Collection date: 01 December 1977. Hashiba [= Umm Khisheib], Sinai [Egypt]. See Benda *et al.* (2008f: 71).

? *Plecotus auritus aegyptiacus:*

? *Plecotus austriacus christei:* (Lapsus)

? *Plecotus austriacus christii:* (Name Combination)

TAXONOMY:

Generally considered to be a subspecies of *austriacus*, but see Benda *et al.* (2004c: 23), who raised it to species rank.

Since *Plecotus austriacus* is a strictly European species (Juste *et al.*, 2004a; Mayer *et al.*, 2007). Therefore, this species is removed from the list of African species. All of the African records of *P. austriacus* in fact belong to *P. christii*, *P.* (*teneriffae*) *gaisleri* or to *P. balensis*.

COMMON NAMES:

Czech: ušan egyptský. Dutch: Egyptische grootoorvleermuis. English: Christie's Long-eared Bat. French: Oreillard d'Egypte. German: Christis Graues Langohr.

CONSERVATION STATUS:

Global - Probably a small population, suitable habitat might be fragmented, but needs more research to be properly assessed (Aulagnier and Benda, 2008; IUCN, 2009).

Assessment History -

2008 - DD ver 3.1 (2001) (Aulagnier and Benda, 2008; IUCN, 2009). 2006 - DD ver 3.1 (2001) (Aulagnier and Benda, 2004b; IUCN, 2006). 2004 - DD ver 3.1 (2001) [assessed as *Plecotus christiei*] (Aulagnier and Benda, 2004b; IUCN, 2004).

MAJOR THREATS:

Affected by human disturbance (Aulagnier and Benda, 2008; IUCN, 2009).

CONSERVATION ACTIONS:
Aulagnier and Benda (2008) [in IUCN (2009)] report that no conservation measures are in place. Further research on population is needed in order to make an assessment.

GENERAL DISTRIBUTION:
Plecotus christii is known only from a few localities in NE Africa, including eastern Libya (S. Aulagnier *pers. comm.*, 2007 in Aulagnier and Benda, 2008 [in IUCN, 2009]), Egypt including Sinai and Sudan. Benda *et al.* (2004c: 26) restricted its confirmed distribution to the north-eastern African desert region, Mayer *et al.* (2007) suggested its occurrence also in the Jordan desert.

A specimen from Eritrea may belong to this species or to *P. balensis* (Kruskop and Lavrenchenko, 2000).

Native: Egypt [Sinai] (Horácek *et al.*, 2000: 135); Libyan Arab Jamahiriya (Horácek *et al.*, 2000: 135); Sudan (Horácek *et al.*, 2000: 135).
Presence uncertain: Eritrea.

DETAILED MORPHOLOGY:
Baculum - See Benda *et al.* (2004c).

ECHOLOCATION:
In Jordan, Benda *et al.* (2010b: 204) recorded the following parameters for 42 calls: Start frequency: 44.2 ± 2.8 (34.5 - 49.0) kHz, End frequency: 25.0 ± 1.0 (22.6 - 26.7) kHz, Peak frequency: 30.5 ± 1.7 (28.6 - 34.2) kHz, Pulse duration: 2.3 ± 0.5 (1.4 - 3.5) msec, and Inter-pulse duration: 57.6 ± 18.9 (18.0 - 89.0) msec.

Hackett *et al.* (2016: 223) reported on 25 calls from Israel: Pulse duration: 3.05 ± 0.98 msec, F_{start}: 37.22 ± 3.43 kHz, F_{end}: 23.85 ± 2.45 kHz, F_{peak}: 28.47 ± 2.74 kHz.

MOLECULAR BIOLOGY:
DNA - See Benda *et al.* (2004c), Juste *et al.* (2004c), Spitzenberger *et al.* (2006, Mayer *et al.* (2007).
Karyotype - Unknown.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - Probably very small population, only scattered and isolated records (Aulagnier and Benda, 2008; IUCN, 2009).
Trend - 2008 - Unknown (Aulagnier and Benda, 2008; IUCN, 2009).

ACTIVITY AND BEHAVIOUR:
Korine *et al.* (2015: 5) indicate that the activity of *P. christii* could be underestimated because of the whispering nature of their echolocation calls.

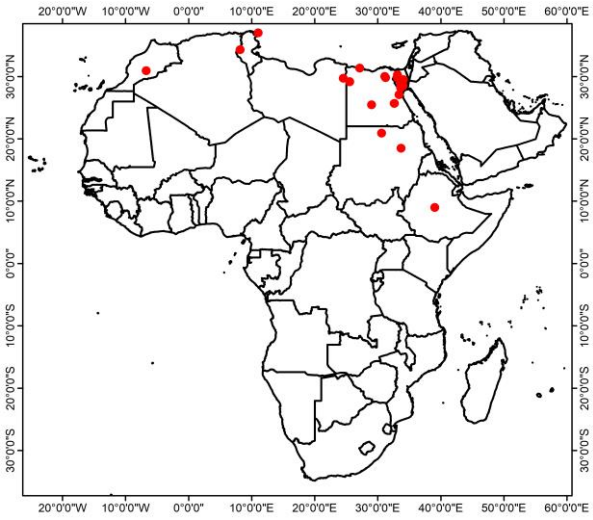

Figure 358. Distribution of *Plecotus christii*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Egypt, Ethiopia, Libya, Morocco, Sudan, Tunisia.

Plecotus gaisleri Benda, Kiefer, Hanak & Veith, 2004

*2004. *Plecotus teneriffae gaisleri* Benda, Kiefer, Hanák and Veith, Folia Zool., 53 (Monogr. 1): 28. Type locality: Libya: Cyrenaica: Al Jabal Al Akhdar district: 8 km SW Massah,: Wadi al Kuf (Jabal Akhdar Mts) [32 42 N 21 35 E, ca. 330 m] [Goto Description]. Holotype: NMP 49911: ad ♀, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 20 May 2002. Paratypes: 4 MM + 2 FF; see Benda *et al.* (2004c: 29). Paratype: NMP 49905: ad ♂, skull and alcoholic. Collected by: Michal Andreas, Petr Benda, Vladimir Hanák, Antonin Reiter and Marcel Uhrin; collection date: 20 May 2002; original number: pb2153. See Benda *et al.* (2004c: 29), Benda in Mlíkovský *et al.* (2011: 137). Paratype: NMP 49906: ad ♂, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 20 May 2002; original number: pb2154. See Benda *et al.* (2004c: 29), Benda in Mlíkovský *et al.* (2011: 137). Paratype: NMP 49907: ad ♂, skull and alcoholic. Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 20 May 2002; original number: pb2155. See Benda *et al.* (2004c: 29), Benda in Mlíkovský *et al.* (2011: 137). Paratype: NMP 49908: ad ♂, alcoholic (skull not removed). Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin

Reiter and Marcel Uhrin; collection date: 20 May 2002; original number: pb2156. See Benda *et al.* (2004c: 29), Benda in Mlíkovský *et al.* (2011: 137). Paratype: NMP 49909: ad ♀, alcoholic (skull not removed). Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 20 May 2002; original number: pb2157. See Benda *et al.* (2004c: 29), Benda in Mlíkovský *et al.* (2011: 137). Paratype: NMP 49910: ad ♀, alcoholic (skull not removed). Collected by: Petr Benda, Vladimir Hanák, Michal Andreas, Antonin Reiter and Marcel Uhrin; collection date: 20 May 2002; original number: pb2158. See Benda *et al.* (2004c: 29), Benda in Mlíkovský *et al.* (2011: 137). - Comments: Considered a valid species by Mayer *et al.* (2007: Additional file 1) based on mitochondrial DNA analyses. - Etymology: In honour of professor Jiri Gaisler (Brno, Czech Republic) who significantly contributed to the knowledge of the North Afrian bat fauna (see Benda *et al.*, 2004c: 29).

2006. *P. kolombatovici gaisleri:* Spitzenberger, Strelkov, Winkler and Haring, Zool. Scr., 35 (3): 221. (Name Combination)

? *Plecotus gaisleri:* (Name Combination, Current Combination)

TAXONOMY:
See under *Plecotus* above. Formerly considered as *P. auritus* or *P. austriacus*, for details see Benda *et al.* (2004c). Spitzenberger *et al.* (2006) include it in *P. kolombatovici*.
See Mayer *et al.* (2007) and Mayer *et al.* (2007: Additional material).

COMMON NAMES:
Czech: ušan berberský. Dutch: Gaislers grootoorvleermuis. English: Gaisler's Long-eared Bat. French: Oreillard du Gaisler. Italian: Orecchione di Gaisler.

CONSERVATION STATUS:
Global - VU (Baillie and Groombridge, 1996); DD ver 3.1 (2001) (IUCN, 2004; Juste *et al.*, 2004a) as *P. teneriffae*.

GENERAL DISTRIBUTION:
Northern Cyrenaica (Libya); north-west Africa [Maghreb: Morocco (Benda *et al.*, 2010a: 158; El Ibrahimi and Rguibi Idrissi, 2015: 364 [as "*Plecotus teneriffae = (P. austriacus, P. gaisleri)*"]), Algeria, Tunisia (Dalhoumi *et al.*, 2014: 53; 2016b: 867); Pantelleria island (Italy) and Malta.

ECHOLOCATION:
Benda *et al.* (2010a: 163) are the first to provide echolocation data for this species, based on 58 Moroccan specimens. They report a F_{start}: 41.7 ± 1.7 (37.2 - 44.5) kHz, F_{max}: 31.9 ± 2.0 (28.3 - 37.0) kHz, F_{end}: 21.7 ± 2.3 (16.1 - 26.5), with a duration of 1.4 ± 0.3 (0.9 - 1.9) ms, and an inter-pulse interval of 40.9 ± 23.5 (12.9 - 95.7) ms.

Also from Morocco, Disca *et al.* (2014: 226) report the following: call type FM multi H, F_{start}: 51.4 ± 1.1 kHz, F_{end}: 22.0 ± 0.7 kHz, $F_{max\ all\ harmonics}$: 29.7 ± 1.0 kHz, bandwidth: 29.3 ± 1.0 kHz, duration: 2.6 ± 0.2 msec.

ROOST:
Benda *et al.* (2014c: 103) found a roost (probably the remainder of a maternity colony) in deep holes and crevices of the ceiling of an ancient ruin covered by carob trees. Further specimens were also recovered from ruins, indicating that *P. gaisleri* is probably a petrophilous species, which seems to select its roosts solely in underground spaces rather open to daylight and in rock fissures

DIET:
Benda *et al.* (2014c: 108) examined eight sample sets of the diet and found large amounts of moths (Lepidoptera), most with wingspans between 30 and 35 mm. From other areas in Libya, orthopterans (Ensifera) or cockroaches (Blattoidea) formed the major part of the diet.

REPRODUCTION AND ONTOGENY:
Two pregnant females, both with one foetus, were collected in the central part of Wadi Al Kuf (Libya) on 19 May, whereas lactating females were found between 9 May and 4 August (Benda *et al.*, 2014c: 105).

PARASITES:
Benda *et al.* (2014c: 109) reported one egg with praelarvae of a mite belonging to the superorder Acariformes.

From Algeria, Bendjeddou *et al.* (2017: 15) reported the following ectoparasites: Nycteribiidae: *Nycteribia (Nycteribia) latreillii* (Leach, 1817) and Arachnida: *Spinturnix myoti* (Kolenati, 1856) and *Argas vespertilionis* (Latreille, 1802).

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Morocco.

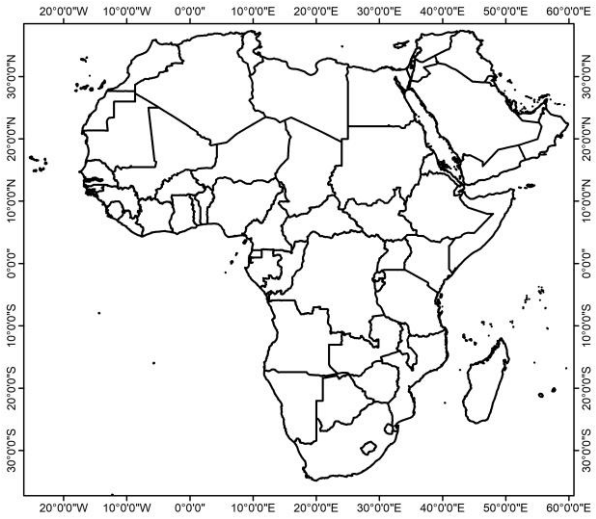

Figure 359. Distribution of *Plecotus gaisleri*

Plecotus teneriffae Barrett-Hamilton, 1907

*1907. *Plecotus teneriffae* Barrett-Hamilton, Ann. Mag. nat. Hist., ser. 7, 20 (120): 520. Publication date: 1 December 1907. Type locality: Canary Islands (Spain): Tenerife island: Orotava [28 23 N 16 31 W] [Goto Description]. Holotype: BMNH 1887.4.18.1: skin only. Collected by: Ramon Gomez; collection date: 3 April 1887. See Benda *et al.* (2004c: 39). - Comments: Barrett-Hamilton (1907: 520) mentions that the type specimen has no skull. - Etymology: Refering to the island where the type specimen was collected. (Current Combination)

? *Plecotus austriacus:*

TAXONOMY:
Synonymized with *P. austriacus* by Corbet (1978); but see Ibañez and Fernández (1985b). Genetic studies clearly show that *teneriffae* is more closely related with *kolombatovici*, while Pestano *et al.* (2003a: 306) suggested the North African to be the closest relative.

COMMON NAMES:
Basque: Belarrihandi kanariar. Catalonian (Spain): Rat penat orellut canari. Czech: ušan kanárský, netopýr kanárský. Dutch: Canarische grootoorvleermuis. English: Canary big-eared bat, Canary Long-eared bat. French: Oreillard de Tenerife. German: Kanaren-Langohr. Spanish (Castillian): Murciélago orejudo canario.

CONSERVATION STATUS:
Global - VU (Baillie and Groombridge, 1996); DD ver 3.1 (2001) (IUCN, 2004; Juste *et al.*, 2004a).

MAJOR THREATS:
Sagot and Chaverri (2015: 1670) mention roost loss or disturbance, and habitat degradation or loss as major threats for this species.

GENERAL DISTRIBUTION:
(Tenerife, La Palma, El Hiero) Canary Isls (Spain) (Benda *et al.*, 2004c: 28).

DETAILED MORPHOLOGY:
Baculum - See Ibañez and Fernández (1985b), Benda *et al.* (2004c).

MOLECULAR BIOLOGY:
DNA - See Pestano *et al.* (2003a), Benda *et al.* (2004c), Juste *et al.* (2004a), Spitzenberger *et al.* (2006), Mayer *et al.* (2007).
Karyotype - Unknown.
Protein / allozyme - Unknown.

PARASITES:
Estrada-Peña and Sanchez (1988: 309) described the mite *Steatonyssus (Steatonyssus) teidae* from a *P. teneriffae* specimen from La Caldera, Tenerife, Canary Islands.

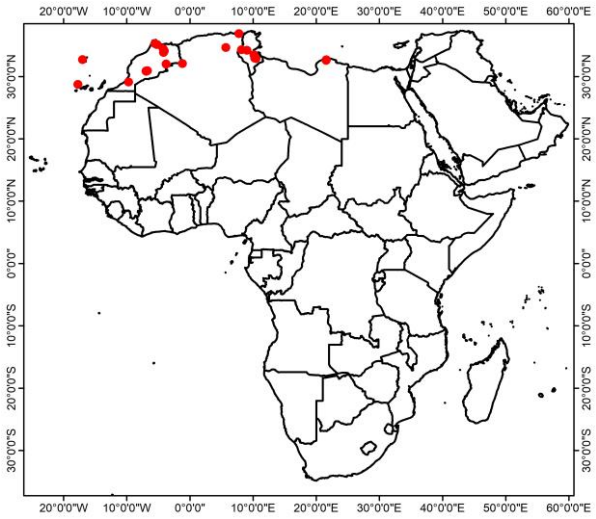

Figure 360. Distribution of *Plecotus teneriffae*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Algeria, Canary Islands (Spain), Libya, Madeira (Portugal), Malta, Morocco, Tunisia.

Genus ***Scotoecus*** Thomas, 1901

*1901. *Scotœcus* Thomas, Ann. Mag. nat. Hist., ser. 7, 7 (39): 263. Publication date: 1 March 1901 [Goto Description]. - Comments: Type species: *Scotophilus albofuscus* Thomas, 1890. - Etymology: From the Greek "*σκόοτος*", meaning darkness and "*όικέω*", meaning to dwell (see Palmer, 1904: 627).
1917. *Scotæcus:* Thomas, Ann. Mag. nat. Hist., ser. 8, 19 (111): 280. (Lapsus)
? *Scotoecus:* (Current Spelling)

TAXONOMY:
Scotoecus has been treated as a subgenus of *Nycticeius* (Ellerman *et al.*, 1953; Hayman and Hill, 1971), but more often as a full genus (Allen, 1939a; Rosevear, 1965; Kock, 1969a; Hill, 1974b; Koopman, 1975, 1978; Corbet and Hill, 1980; Swanepoel *et al.*, 1980; Honacki *et al.*, 1982). Of the two (Honacki *et al.*, 1982) or three (Corbet and Hill, 1980) recognized African species only *albofuscus* occurs in Southern Africa, having been recorded from a single locality in Mozambique.

Bronner *et al.* (2003) report the light-winged lesser house bat (*Scotoecus albofuscus*) in South Africa. This represents a significant extension in the known ranges of both species and testifies to the need for more intensive field surveys targeting poorly known taxa. Cotterill (2001d) also recorded *Scotoecus albigula* and *S. hindei* from Zinave, Mozambique, based on the re-identification of two museum specimens originally assigned to *Scotophilus viridis*. Compared with the light-winged *albofuscus*, species identification of the dark-winged taxa of *Scotoecus* (*albigula, hindei, hirundo, falabae*) is more complicated. Indeed, Koopman (1993a) included all these taxa in *S. hirundo*. A study of cranial variation involving a small sample of Malawian specimens (Taylor and van der Merwe (1998) revealed that *hindei, hirundo* and *albigula* are distinguishable on morphometric grounds, with *albigula* and *hindei* apparently having larger canines and cheekteeth (as well as larger skulls) than *hirundo*, while *albigula* and *hindei* differ from each other in skull proportions. However, we provisionally retain these within *S. hirundo*, pending a broader study of the dark-winged forms including a larger sample of specimens from across the range.

Known species of the genus *Scotoecus*: ***albigula*** Thomas, 1909; ***albofuscus*** (Thomas, 1890); ***hindei*** Thomas, 1901; ***hirundo*** (de Winton, 1899); ***†olduvensis*** Gunnell, Butler, Greenwood and Simmons, 2015; *pallidus* (Dobson, 1876) – Pakistan, northern India (Simmons, 2005: 465).

COMMON NAMES:
Czech: vlaštovčí netopýři. English: Lesser House Bats, House Bats. French: Scotoèques, Chauves-souris des maisons. German: Kleine Hausfledermäuse. Italian: Scotoèchi.

GENERAL DISTRIBUTION:
Monadjem *et al.*, 2010d could not distinguish between *S. hindei* and *S. albigula* therefore they were combined for the distribution being recorded from Angola; Congo (Democratic Republic of the); Malawi; Mozambique; Zambia.

GENERAL DESCRIPTION OF EXTERNAL MORPHOLOGY:
Patterson and Webala (2012: 43) indicate that male *Scotoecus* can easily be distinguished from any other Vespertlionid by th large size of its penis.

VIRUSES:
Coronaviridae
None of the 24 *Scotoecus* specimens tested by Tao *et al.* (2017: Suppl.) in Kenya were positive for CoV.

Alphacoronavirus
Tong *et al.* (2009) identified coronavirus RNA from the fecal material of *Scotoecus* spp.

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
South Sudan, Tanzania.

†***Scotoecus olduvensis*** Gunnell, Butler, Greenwood and Simmons, 2015

*2015. *Scotoecus olduvensis* Gunnell, Butler, Greenwood and Simmons, Am. Mus. Novit., 3846: 1, 10, figs 6B, 7. Publication date: 16 December 2015. Type locality: Tanzania: Arusha province: Olduvai Gorge: Bed I, FLK NI, Layer 3. [Goto Description]. - Etymology: Named for Olduvai Gorge, Tanzania (Gunnell *et al.*, 2015a: 10).

SIMILAR SPECIES:
The teeth of *S. olduvensis* are on average 12 % larger than those of its congeners (Gunnell *et al.*, 2015a: 10)..

PALAEONTOLOGICAL OR ARCHAEOLOGICAL RECORDS:
Timeframe: Pleistocene.

Scotoecus albigula Thomas, 1909

*1909. *Scotœcus albigula* Thomas, Ann. Mag. nat. Hist., ser. 8, 4 (24): 544. Publication date: 1 December 1909. Type locality: Kenya: Mount Elgon: Kirui [04 43 S 39 13 E, 6 000 ft] [Goto Description]. Holotype: BMNH ad ♂. Collected by: Robin Kemp; collection date: 5 September 1909; original number: 200. Formerly Rudd Collection. - Comments: Type locality coordinates mentioned as 00 50 N 34 40 E by Thorn *et al.* (2009: 58). - Etymology: From the feminine Latin adjective *àlba*, meaning "white" and the feminine Latin substantive *gùla*, meaning "throat", referring to the colour of the throat fur (see Lanza *et al.*, 2015: 460).
2010. *Scotoecus hindei/albigula:* Monadjem, Taylor, Cotterill and Schoeman, Bats of Southern and Central Africa. A biogeographic and taxonomic synthesis. Wits University Press, Johannesburg, 510.
? *Nycticeius (Scotoecus) hirundo albigula:* (Name Combination)
? *Scotoecus albigula:* (Current Combination, Current Spelling)
? *Scotoecus hindei albigula:* (Name Combination)
? *Scotoecus hirundo albigula:* (Name Combination)

TAXONOMY:
Considered a subspecies of *hindei* by Hill (1974b: 182), and Thorn and Kerbis Peterhans (2009: 58). Included in *hirundo* by Koopman (1993a: 226), but considered a valid species by Ansell and Dowsett (1988: 44), Simmons (2005).

COMMON NAMES:
Czech: netopýr bělohrdlý. English: White-throated Lesser House Bat, White-bellied Lesser House Bat. French: Scotoèque à gorge blanche. German: Weisskehl-Hausfledermaus. Italian: Scotoèco golabiànca.

CONSERVATION STATUS:
Global - *Scotoecus albigula* was included in *Scotoecus hirundo* by Jacobs *et al.* (2008af) in IUCN (2009) for the global assessment. Although this species is known mainly from isolated records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008af; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as part of *Scotoecus hirundo*] (Jacobs *et al.*, 2008af; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs and Cotterill, 2004c; IUCN, 2004).

MAJOR THREATS:
While the threats to this species are not well known, it is presumed not to have any major threats in view of the species wide distribution in habitats that are not rapidly declining throughout

much of its recorded range (Jacobs *et al.*, 2008af; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008af) [in IUCN (2009)] report that further studies are needed into the natural history and possible threats to this poorly known species.

GENERAL DISTRIBUTION:
Native: Angola; Kenya; Malawi; Mozambique (Monadjem *et al.*, 2010c: 384 as *S. hindei/albigula*); Somalia; Uganda; Zambia.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

ECHOLOCATION:
See Taylor *et al.* (2005).

POPULATION:
Structure and Density - It is very rarely recorded, and there is little information is available on the population abundance or size of this species (Jacobs *et al.*, 2008af; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008af; IUCN, 2009).

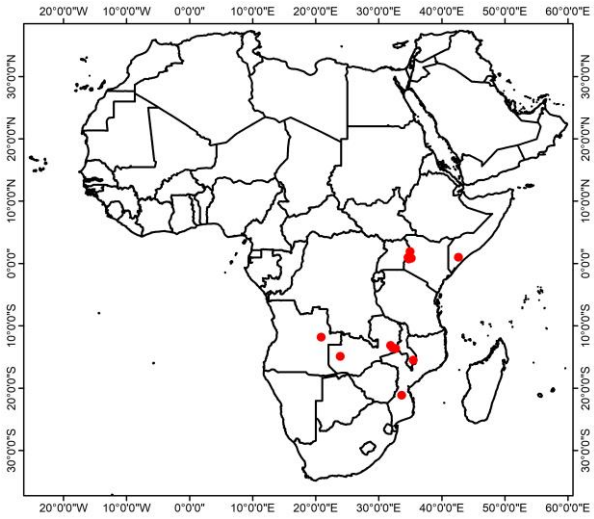

Figure 361. Distribution of *Scotoecus albigula*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Angola, Kenya, Malawi, Mozambique, Somalia, Tanzania, Uganda, Zambia.

Scotoecus albofuscus (Thomas, 1890)

*1890. *Scotophilus albofuscus* Thomas, Ann. Mus. civ. Stor. nat. Genova, ser. 2a, (O.S. 29) 9: 84. Publication date: 3 February 1890. Type locality: The Gambia: Bathurst [=Banjul] [13 28 N 16 39 W] [Goto Description]. Holotype: BMNH 1889.12.12.2: ad ♂, alcoholic (skull not removed). Collected by: Dr. Percy Rendall.
1917. *Scotoecus woodi* Thomas, Ann. Mag. nat. Hist., ser. 8, 19 (111): 280. Publication date: 1 March 1917. Type locality: Malawi: Shiré valley: Chiromo [16 32 S 35 09 E, 200 ft] [Goto Description]. Holotype: BMNH 1917.2.1.1: ad ♂. Collected by: Rodney C. Wood Esq. Collection date: 2 October 1916; original number: 173. Presented/Donated by: Rodney C. Wood Esq.
? *Scotoecus albofuscus albofuscus:* (Name Combination)
? *Scotoecus albofuscus woodi:* (Name Combination)
? *Scotoecus albofuscus:* (Name Combination, Current Combination)

TAXONOMY:
See Simmons (2005).

COMMON NAMES:
Afrikaans: Thomas se vlermuis, Thomas-vlermuis. Czech: netopýr gambiánský. English: Thomas' House Bat, Light-winged Lesser House Bat, Thomas's Lesser House Bat. French: Scotoèque à ailes pâles, Scotophile du crépuscule, Chauve-souris de Thomas. German: Weißflügel-Hausfledermaus. Portuguese: Morcego pequeno das casas.

CONSERVATION STATUS:
Global - Listed as Data Deficient (DD ver 3.1 (2001)) in view of the absence of sufficient information on its extent of occurrence, natural history, threats and conservation status (Jacobs, 2008l; IUCN, 2009).

Assessment History -
2008 - DD ver 3.1 (2001) (Jacobs, 2008l; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs, 2004h; IUCN, 2004). 1996 - LR/nt (Baillie and Groombridge, 1996).

Regional -
South Africa: 2016 - NT D2 ver 3.1 (2001) (Richards *et al.*, 2016f). 2004 - VU D2 ver 3.1 (2001) (Friedmann and Daly, 2004).

MAJOR THREATS:
The threats to this species are not known (Jacobs, 2008l; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs (2008l) [in IUCN (2009)] reports that there appear to be no direct conservation measures in place. It has been recorded from Zinave National Park on the Save River in Mozambique, and presumably is present in additional protected areas. Further studies are needed into the distribution, natural history and possible threats to this widespread but seemingly very poorly known species.

GENERAL DISTRIBUTION:
Scotoecus albofuscus has been widely, but patchily recorded over much of West Africa and East Africa, with some records from Central Africa. It ranges from The Gambia and Senegal in the west, through West Africa to eastern Nigeria, it is then distributed from northern Uganda and southern Kenya, through Tanzania, southeastern Democratic Republic of the Congo, southern Malawi, Mozambique and southeastern South Africa. The range is poorly known and the species might be more widespread.

Native: Benin (Capo-Chichi *et al.*, 2004: 163); Burkina Faso (Kangoyé *et al.*, 2012: 6026; 2015a: 626); Congo (The Democratic Republic of the) (Hayman *et al.*, 1966; Monadjem *et al.*, 2010d: 573); Côte d'Ivoire; Gambia; Ghana; Kenya; Malawi (Happold and Happold, 1997b: 819; Cotterill, 2001d; Monadjem *et al.*, 2010d: 573); Mozambique (Cotterill, 2001d; Monadjem *et al.*, 2010d: 573); Nigeria; Senegal; Sierra Leone; South Africa (Kearney and Taylor, 1997: 53; Monadjem *et al.*, 2010d: 573); Sudan; Tanzania; Uganda (Kityo and Kerbis, 1996: 62); Zambia (Monadjem *et al.*, 2010d: 573).

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

POPULATION:
Structure and Density - Little information is available on the population abundance or size of this species (Jacobs, 2008l; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs, 2008l; IUCN, 2009).

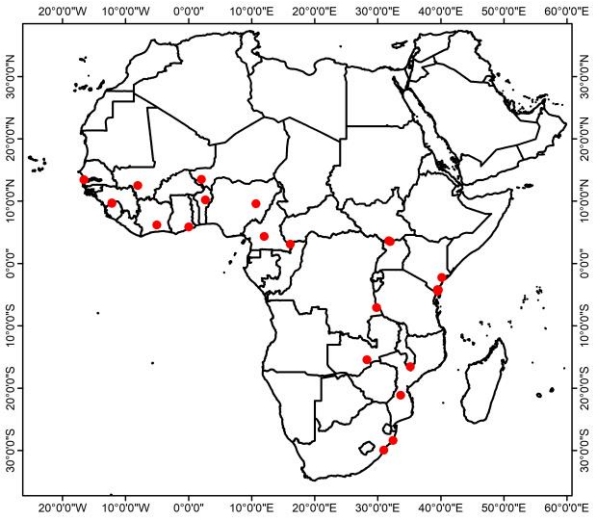

Figure 362. Distribution of *Scotoecus albofuscus*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Benin, Cameroon, Central African Republic, Congo (Democratic Republic of the), Côte d'Ivoire, Ghana, Kenya, Malawi, Mali, Mozambique, Niger, Nigeria, Sierra Leone, South Africa, Tanzania, The Gambia, Uganda, Zambia.

Scotoecus hindei Thomas, 1901

*1901. *Scotœcus Hindei* Thomas, Ann. Mag. nat. Hist., ser. 7, 7 (39): 264. Publication date: 1 March 1901. Type locality: Kenya: Kitui [01 22 S 38 01 E, 3 500 ft] [Goto Description]. Holotype: BMNH 1901.2.5.1: ♂. Collected by: Dr. Sidney Langford Hinde; collection date: 26 November 1900; original number: 63. - Etymology: In honour of Sidney Langford Hinde (1863 - 1931), English Medical Officer of the Interior in the former British East Africa, Captain in the Congo Free State Forces, Provincial Commissioner in Kenya, naturalist and collector of the type specimen (see Allen, 1939a: 98; Lanza *et al.*, 2015: 466).

1915. *Scotoecus falabæ* Thomas, Ann. Mag. nat. Hist., ser. 8, 16 (95): 447. Publication date: 1 November 1915. Type locality: Nigeria: Northern Nigeria, Bauchi plateau: Kabwir [09 24 N 09 34 E, 2 500 ft] [Goto Description]. Holotype: BMNH 1915.10.8.1: sad ♀. Collected by: Dr. J.C. Fox; collection date: 28 July 1915; original number: 70. Presented/Donated by: Dr. J.C. Fox.

2010. *Scotoecus hindei/albigula:* Monadjem, Taylor, Cotterill, and Schoeman, Bats of Southern and Central Africa. A biogeographic and taxonomic synthesis. Wits University Press, Johannesburg, 510. (Name Combination)

? *Scotoecus hindei falabae:* (Name Combination)

? *Scotoecus hindei hindei:* (Name Combination)

? *Scotoecus hindei:* (Current Combination, Current Spelling)

? *Scotoecus hirundo hindei:* (Name Combination)

TAXONOMY:

Figure 363. *Scotoecus hindei* (ECJS-36/2008), from Lafupa camp, Zambia.

Included in *hirundo* by Kock (1969a: 192), Koopman (1993a: 226), but considered a valid species by Ansell and Dowsett (1988: 44), Simmons (2005).

COMMON NAMES:
Czech: netopýr Hindeův. English: Hinde's Lesser House Bat. French: Scotoèque de Hinde. German: Hindes Hausfledermaus. Italian: Scotoèco di Hìnde.

CONSERVATION STATUS:
Global - *Scotoecus hindei* was included in *Scotoecus hirundo* by Jacobs *et al.* (2008af) in IUCN (2009) for assessment. Although this species is known mainly from isolated records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008af; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [assessed as part of *Scotoecus hirundo*] (Jacobs *et al.*, 2008af; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs *et al.*, 2004q; IUCN, 2004).

MAJOR THREATS:
While the threats to this species are not well known, it is presumed not to have any major threats in view of the species wide distribution in habitats that are not rapidly declining throughout much of its recorded range (Jacobs *et al.*, 2008af; IUCN, 2009).

CONSERVATION ACTIONS:
Jacobs *et al.* (2008af) [in IUCN (2009)] report that further studies are needed into the natural history and possible threats to this poorly known species.

GENERAL DISTRIBUTION:
Native: Cameroon; Congo, Democratic Republic of the; Ethiopia (Lavrenchenko *et al.*, 2004b: 141); Kenya; Malawi; Mozambique (Monadjem *et al.*, 2010c: 384 as *S. hindei/albigula*); Nigeria; Somalia; Sudan; Tanzania; Zambia.

DETAILED MORPHOLOGY:
Baculum - Hill and Harrison (1987).

ECHOLOCATION:
See Taylor *et al.* (2005).

MOLECULAR BIOLOGY:
DNA - Unknown.
Karyotype - Nagorsen *et al.* (1976) reported 2*n* = 30, FN = 50, BA = 22, a subtelocentric X chromosome and a submetacentric Y chromosome.
Protein / allozyme - Unknown.

POPULATION:
Structure and Density - It is very rarely recorded, and there is little information available on the population abundance or size of this species (Jacobs *et al.*, 2008af; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008af; IUCN, 2009).

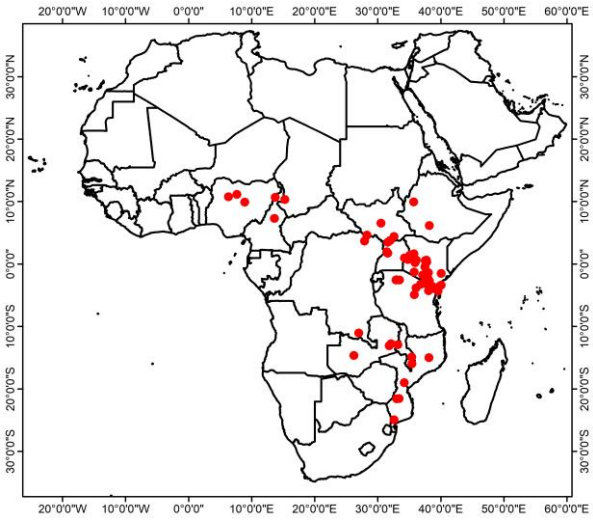

Figure 364. Distribution of *Scotoecus hindei*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
Cameroon, Congo (Democratic Republic of the), Ethiopia, Kenya, Malawi, Mozambique, Nigeria, South Sudan, Tanzania, Uganda, Zambia.

Scotoecus hirundo (de Winton, 1899)

*1899. *Scotophilus hirundo* de Winton, Ann. Mag. nat. Hist., ser. 7, 4 (23): 355. Publication date: 1 November 1899. Type locality: Ghana: Gambaga [10 32 N 00 26 W] [Goto Description].

Holotype: BMNH 1899.6.15.8:. - Etymology: From the feminine Latin noun, in apposition, *hirùndo*, meaning "swallow", referring to the species' appearance (see Lanza *et al.*, 2015: 471).

1923. *Scotoecus artinii* de Beaux, Atti Soc. ital. Sci. nat., 62: 98. Publication date: July 1923. Type locality: Kenya: Northern Guaso Nyiro: Archer's Post [00 39 N 37 41 E, 2 000 ft] [Goto Description]. Holotype: [Unknown] ♀, skin and skull. Collected by: L. Franchetti and L. Tonker; collection date: 26 December 1919; original number: N1443. 2 paratypes: see De Beaux (1923: 98). - Etymology: In honour of prof. E. Artini, director of the Museo Civico di Storia Naturale di Milano (see De Beaux, 1923: 98).

2013. *Scotoecus cf. hirundo:* Koubínová *et al.*, Front. Zool., 10: 1-48. - Comments: Koubínová *et al.* (2013: 7) showed that the karyotype from Senegal (2n=30, FN=50, aFN=46) had a reduced number of arms than reported previously from the Ivory Coast (2n=30, FN=54, Fna=50 Volleth *et al.* (2006)), and suggested that this may represent a distinct species. Further investigations are needed to compare other related species of *Scotecus*, as both the cytogenetics only compared the specimens from Sengal with that of Ivory Coast. (Name Combination)

? *Scotoecus hirundo artinii:* (Name Combination)

? *Scotoecus hirundo:* (Name Combination, Current Combination)

Taxonomy:

Koopman (1993a: 226) included *hindei*; see Hayman and Hill (1971: 36) and Robbins (1980: 84); but see also Hill (1974b).

Common Names:

Czech: netopýr vlaštovčí. English: Dark-winged Lesser House Bat, Swallow Lesser House Bat. French: Scotoèque hirundine, Scotophile à ailes noires. German: Schwarzflügel-Hausfledermaus. Italian: Scotoèco róndine.

Conservation status:

Global - Although this species is known mainly from isolated records from a large area, it is listed as Least Concern (LC ver 3.1 (2001)) in view of its wide distribution, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category (Jacobs *et al.*, 2008af; IUCN, 2009).

Assessment History -
2008 - LC ver 3.1 (2001) [includes *S. albigula* and *S. hindei*] (Jacobs *et al.*, 2008af; IUCN, 2009). 2004 - DD ver 3.1 (2001) (Jacobs, 2004g; IUCN, 2004). 1996 - LR/lc (Baillie and Groombridge, 1996).

Major threats:

While the threats to this species are not well known, it is presumed not to have any major threats in view of the species wide distribution in habitats that are not rapidly declining throughout much of its recorded range (Jacobs *et al.*, 2008af; IUCN, 2009).

Conservation actions:

Jacobs *et al.* (2008af) [in IUCN (2009)] report that further studies are needed into the natural history and possible threats to this poorly known species.

General distribution:

For southern Africa, Cooper-Bohannon *et al.* (2016: Table S2) calculated a potential distribution area of 555,102 km^2.

Native: Benin (Capo-Chichi *et al.*, 2004: 163); Burkina Faso (Kangoyé *et al.*, 2012: 6026; 2015a: 626); Cameroon; Côte d'Ivoire (Volleth *et al.*, 2006); Ethiopia; Ghana; Guinea-Bissau (: 59); Senegal; Tanzania; Uganda (Kityo and Kerbis, 1996: 63).

General description of cranial and dental morphology:

Scott *et al.* (2012: 2943) report that the mandibular symphysis is completely fused in this species.

Detailed morphology:

Baculum - Hill and Harrison (1987).

Echolocation:

Two FM/QCF calls from Maroua (Cameroon) were reported by Manga Mongombe (2012: 79) having the following parameters: F_{max}: 58.4 (57.2 - 59.6) kHz, F_{min}: 54.5 (54.2 - 54.8) kHz, F_{mean}: 56.6 (55.9 - 57.2) kHz, F_{knee}: 58.2 (57.2 - 59.2) kHZ, F_{char}: 54.7 (54.5 - 54.8) kHz, and duration: 0.87 (0.82 - 0.91) msec.

Molecular Biology:

DNA - See Hoofer and Van Den Bussche (2003) from Tanzania.

Karyotype - Volleth *et al.* (2006) reported 2*n* = 30, FN = 50, BA = 22, and a subtelocentric X chromosome for a female from Ivory Coast.

Koubínová *et al.* (2013: 3) report the following karyotype for 1 ♂ from Senegal: 2*n* = 30, Fna = 46,

FN = 50, X = metacentric, and Y = dot-like (probably acrocentric). They also found that the Senegalese specimen differed for 1.6 % in its *rag2* gene when compared with a specimen from Tanzania, which is more than in other non-cryptic species. As such they assign their specimen to *S.* cf. *hirundo*.

Protein / allozyme - Unknown.

HABITAT:
In southern Africa, this species inhabits Savanna habitats (84 %; Cooper-Bohannon *et al.*, 2016: Table S2).

POPULATION:
Structure and Density - It is very rarely recorded, and there is little information is available on the population abundance or size of this species (Jacobs *et al.*, 2008af; IUCN, 2009).
Trend - 2008 - Unknown (Jacobs *et al.*, 2008af; IUCN, 2009).

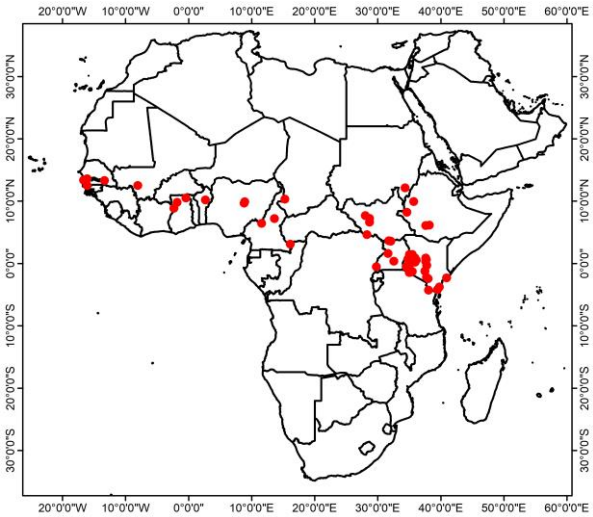

Figure 365. Distribution of *Scotoecus hirundo*

DISTRIBUTION BASED ON VOUCHER SPECIMENS:
"Africa", Benin, Cameroon, Central African Republic, Côte d'Ivoire, Ethiopia, Ghana, Kenya, Mali, Nigeria, Senegal, Sierra Leone, South Sudan, Sudan, Tanzania, The Gambia, Uganda.

Acknowledgements

The editors wish to thank all the contributors, and especially the (former) curators and collection managers of the museums which were ever so helpful to provide information concerning the specimens in their holdings:
Amatola Museum - Dr. Lloyd Wingate;
American Museum of Natural History, New York - Dr. Nancy Simmons;
California Academy of Sciences, San Francisco - Karen Cebra;
Carnegie Museum, Pittsburgh - Suzanne B. McLaren;
Centro de Zoologia, Lisbon - J. Crawford Cabral;
David C.D. Happold Collection, Canberra - Dr. David Happold, Dr. Meri Happold;
Ditsong National Museum of Natural History, Pretoria – Dr. Teresa Kearney curator 2002 - present, Onica Mukuwana collection manager 2014 – 2017;
Durban Natural Science Museum - Dr. Peter Taylor was curator 1989-2010, followed by Dr. Leigh Richards;
Field Museum of Natural History, Chicago - Dr. Steve M. Goodman, Dr. Bruce D. Patterson, Dr. Bill Stanley;
Harrison Institute, Sevenoaks- Dr. David Harrison, Dr. Paul Bates and Malcolm Pearch;
Hungarian Natural History Museum, Budapest - Dr. Andres Demeter, Dr. Gabor Csorba;
Iziko South African Museum - Ms Denise Hamerton;
Koninklijk Belgisch Instituut voor Natuurwetenschappen, Brussels - Dr. Xavier Misonne, Dr. George Lenglet;
Macgregor Museum, Kimberley - Ms Beryl Wilson-Aitchison;
Museum of Comparative Zoology, Harvard - Mrs. Maria E. Rutzmoser;
Muséum d'Histoire Naturelle de Genève - Dr. Louis de Roguin;
Museum National D'Histoire Naturelle, Paris - Dr. Michel Tranier, Dr. J. Cuisin;
Museo ed Instituto Zoologia, Torino - Dr. Oresta Elter;
Museo Civico di Storia Naturale, Milan - Dr. Luigi Cagnolaro;
Michigan State University, Mammal Collection, East Lansing - Mrs. Laura Abraczinskas;
Midwastern State University, Wichita Falls - Frederick B. Stangl;
Museo Zoologico de "'la Specola", Florence - Paolo Agnelli;
National Museum, Bloemfontein - Dr. Nico Avenant, Ms Wanda Kaiser;
National Museum, Bulawayo - Mr Woody Cotterill was curator 1992-2004;
National Museum of Namibia, Windhoek – Seth Eiseb;
Natural History Museum, London - Dr Paula Jenkins, Ms Daphne Hills and Ms Louise Tomsett;
Northern Arizona University, Flagstaff - Tad Theimer;
Naturhistorisches Museum Bern - Paul Schmid;
Naturhistorisches Museum, Vienna - Dr. Frederike Spitzenberger;
Naturhistoriska Riksmuseet Stockholm - Olav Grönwall;
Nationaal Natuurhistorisch Museum, Leiden - Dr. Chris Smeenk;
Oklahoma State University, Stillwater - Anthony A. Echelle;
Royal Museum of Central Africa, Tervuren - Wim Wendelen;
Royal Ontario Museum, Toronto - Dr. Judith Eger, Dr. Burton Lim;
Senckenberg Museum, Frankfurt - Dr. Dieter Kock, Dr. Gerhard Storch, Ms. Katrin Krohmann;
Staatliches Museum für Naturkunde, Stuttgart - Dr. Fritz Dieterlen, Dr. Doris Möricke;
Staatliches Museum fur Tierkunde, Dresden - Dr. Alfred Feiler;
University of Colorado Museum of Natural History, Boulder - Emily M. Braker;
University of Kansas Museum of Natural History, Lawrence - Dr. Robert M. Timm;
Université de Rennes - Dr. Patrick Barrière;
United States National Museum, Washington - Dr. Michael D. Carleton;
Western New Mexico University - Bruce J. Hayward;
Western New Mexico University - Fred Sibley;
Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn - Dr. Rainer Hutterer, Dr. Jan Decher;
Zoologisch Museum, Universiteit Amsterdam - Dr. Peter Van Bree, Dr. Wim Bergmans;
Zoological Museum Moscow University - Dr. Alex Borissenko, Dr. Sergey V. Kruskop;
Zoologisk Museum Universitet, Copenhagen - Dr. Hans Baagoe;
Zoologsiches Museum der Universität, Zürich - Dr. C. Claude.

The editors are also indebted to Dr. Dieter Kock, and the late Dr. Karl F. Koopman and John Edwards Hill for their stimulating discussions over the years.

Wilderness Safaries for support for fieldwork in their areas of operation, which allowed images to be captured of some of the species in this report.

Simon Mickelburgh and Lisa Rogers and the Trustees of the Rufford Foundation for financial support allowing for the development of this tool and its spin off projects.

Glossary

The following abbreviations have been used:

a.	adjective
Art.,	Arts. Article, Articles of the Code
e.g.	for example (Latin: *exempli gratia*)
DD	Data Deficient
EN	Endangered
EX	Extinct
EW	Extinct in the wild
CR	Critically Endangered
ICZN	International Commission of Zoological Nomencleature
i.e.	that is (Latin: *id est*)
LC	Least Concern
n.	noun
neut.	Neuter
NE	Not Evaluated
NT	Near Threatened
pl.	plural
q.v.	
RE	Regionally Extinct
sing.	Singular
v.	verb
VU	Vulnerable

The glossary follows the definitions from:
International Commission on Zoological Nomenclature. (1999). *International Code of Zoological Nomenclature.* 4th edition. The International Trust for Zoological Nomenclature, London.
IUCN. (2001). *IUCN Red List Categories and Criteria: Version 3.1.* IUCN Species Survival Commission. IUCN, Gland, Switzerland and Cambridge, UK. ii + 30 pp.
IUCN. (2003). *Guidelines for Application of IUCN Red List Criteria at Regional Levels: Version 3.0.* IUCN Species Survival Commission. IUCN, Gland, Switzerland and Cambridge, UK. ii + 26 pp.

lapsus calami (*sing.* and *pl.*), *n.* A Latin term meaning "slip (or slips) of the pen", i.e. an error (or errors) made by an author in writing a text, such as a misspelling of a name; contrasted with copyist's or printer's errors [Art. 32.5.1].

***nomen dubium* (*pl. nomina dubia*)** *n.* A Latin term meaning "a name of unknown or doubtful application."

***nomen novum* (*pl. nomina nova*)** *n.* A Latin term equivalent to new replacement name.

***nomen nudum* (*pl. nomina nuda*)** *n.* A Latin term referring to a name that, if published before 1931, fails to conform to Article 12; or, if published after 1930, fails to conform to Article 13. A *nomen nudum* is not an available name, and therefore the same name may be made available later for the same or a different concept; in such a case it would take authorship and date [Arts. 50, 21] from that act of establishment, not from any earlier publication as a *nomen nudum*.

***nomen oblitum* (*pl. nomina oblita*)** *n.* A Latin term (meaning forgotten name) applied after 1 January 2000 to a name, unused since 1899, which as a result of an action taken under Article 23.9.2 does not take precedence over a younger synonym or homonym in prevailing usage; the younger name which takes precedence over the *nomen oblitum* may be called a *nomen protectum (q.v.)*. The term *nomen oblitum* was also applied to a disused senior synonym rejected between 6 November 1961 and 1 January 1973 under Article 23b of the Code editions then in force (see Article 23.12.2). *Nomina oblita* remain available names; see Articles 23.9 and 23.12 for conditions controlling their use as valid names.

nomen protectum *n.* A Latin term (meaning protected name) applied to a name which has been given precedence over its unused senior synonym or senior homonym relegated to the status of *nomen oblitum* (*q.v.*, and see Article 23.9.2).

***Sensu lato* (*s. lat.* or *s.l.*)** A Latin term meaning "in the wide sense". Contrast with *sensu stricto (s. str.)*.

***Sensu stricto* (*s. str.* or *s.s.*)** A Latin term meaning "in the strict sense". Often used in conjunction with a name when referring to the nominal taxon in the narrow sense of its subordinate nominotypical taxon (contrast with *sensu lato (s. lat.)*.

sensu A Latin term meaning "in the sense of". Often used to refer to the usage of a name by a (cited) author in a sense different from that of the original author or some other previous author. See also auctorum.

***species inquirenda* (*pl. species inquirendae*)** *n.* A Latin term meaning a species of doubtful identity needing further investigation.

allotype *n.* See under type.

Articles *n.* The mandatory provisions of the ICZN

available name A scientific name applied to an animal taxon that is not excluded under Article 1.3 and that conforms to the provisions of Articles 10 to 20.

Code *n.* (1) An abbreviation of the title International Code of Zoological Nomenclature

conserved name A name otherwise unavailable or invalid that the Commission, by the use of its plenary power, has enabled to be used as a valid name by removal of the known obstacles to such use (see conserve).

cotype *n.* See under type.

Critically Endangered (CR) A taxon is Critically Endangered when the best available evidence indicates that it meets any of the criteria A to E for Critically Endangered (see Section V), and it is therefore considered to be facing an extremely high risk in the wild.

Data Deficient (DD) A taxon is Data Deficient when there is inadequate information to make a direct, or indirect, assessment of its risk of extinction based on its distribution and/or population status. A taxon in this category may be well studied, and its biology well known, but appropriate data on abundance and/or distribution are lacking. Data Deficient is therefore not a category of threat. Listing of taxa in this category indicates that more information is required and acknowledges the possibility that future research will show that threatened classification is appropriate. It is important to make positive use of whatever data are available. In many cases great care should be exercised in choosing between DD and a threatened status. If the range of a taxon is suspected to be relatively circumscribed, and a considerable period of time has elapsed since the last record of the taxon, threatened status may well be justified.

Date of publication *n.* Of a work (and of a contained name and nomenclatural act): the date on which copies of the work become available by purchase or free distribution. If the actual date is not known, the date to be adopted is regulated by the provisions of Article 21.2-7.

description *n.* A statement in words of taxonomic characters of a specimen or a taxon [Arts. 12,13].

original description The description of a nominal taxon when it is established.

Endangered (EN) A taxon is Endangered when the best available evidence indicates that it meets any of the criteria A to E for Endangered (see Section V), and it is therefore considered to be facing a very high risk of extinction in the wild.

extant *a.* (1) Of a taxon: having living representatives. (2) Of specimen: still in existence.

Extinct (EX) *a.* Of a taxon: having no living representatives. IUCN - A taxon is Extinct when there is no reasonable doubt that the last individual has died. A taxon is presumed Extinct when exhaustive surveys in known and/or expected habitat, at appropriate times (diurnal, seasonal, annual) throughout its historic range have failed to record an individual. Surveys should be over a time frame appropriate to the taxon's life cycle and life form (IUCN 2001).

Extinct in the Wild (EW) *a.* A taxon is extinct in the Wild when it is known only to survive in captivity or as a naturalized population (or populations) well outside the past range. A taxon is presumed Extinct in the Wild when exhaustive surveys in known and/or expected habitat, at appropriate times (diurnal, seasonal, annual), throughout its historic range have failed to record an individual. Surveys should be over a time frame appropriate to a taxons' life cycle and life form.

homonym *n.* (1) In the family group: each of two or more available names having the same spelling, or differing only in suffix, and denoting different nominal taxa. (2) In the genus group: each of two or more names having the same spelling, and denoting different nominal taxa. (3) In the species group: each of two or more available specific or subspecific names having the same spelling, or spellings, or spellings deemed under Article 58 to be the same, and established for different nominal taxa, and either originally (primary homonymy) or subsequently (secondary homonymy) combined with the same generic name [Art. 53.3].

homonymy *n.* (1) The relationship between homonyms. (2) The state of being homonymous.

junior homonym Of two homonyms: the latter established, or in the case of simultaneous establishment to one not given precedence under Article 24.

Least Concern (LC) A taxon is Least Concern when it has been evaluated against the criteria and does not qualify for Critically Endangered, Endangered, Vulnerable or Near Threatened. Widespread and abundant taxa are included in this category.

monotypy *n.* The situation arising (1) when an author establishes a nominal genus or subgenus for what he or she considers to be a single taxonomic species and denotes that species by an available name (the nominal species so named is the type-species by monotypy) [Art. 68.3]; or (2) when an author bases a nominal species-group taxon on a single specimen but does not explicitly designates it as holotype (holotype by monotypy; see Article 73.1.2).

multiple original spelling See under spelling.

Near Threatened (NT) A taxon is Near Threatened when it has been evaluated against the criteria but does not qualify for Critically Endangered, Endangered or Vulnerable now, but is close to qualifying for or is likely to qualify for a threatened category in the near future.

new replacement name (*nomen novum*) A name established expressly to replace an already established name. A nominal taxon denoted by a new replacement name (*nomen novum*) has the same name-bearing type as the nominal taxon denoted by the replaced name [Arts. 67.8, 72.7]. See emendation, substitute name.

Not Evaluated (NE) A taxon is Not Evaluated when it is has not yet been evaluated against the criteria.

primary homonym Each of two or more identical specific or subspecific names established for different nominal taxa and originally combined with the same generic name [Art. 57.2]. For variant spellings deemed to be identical see Article 58.

Regionally Extinct (RE) Category for a taxon when there is no reasonable doubt that the last individual potentially capable of reproduction within the region has died or has disappeared from the wild in the region, or when, if it is a former visiting taxon, the last individual has died or disappeared in the wild from the region. The setting of any time limit for listing under RE is left to the discretion of the regional Red List authority, but should not normally pre-date 1500 AD.

rejected name (1) A name which, under the provisions of the Code, cannot be used as a valid name and which is set aside in favour of another name. (2) A name which, as a matter of taxonomic judgment, is either treated as a junior subjective synonym (*q.v.*) of a name used as valid or is believed not to be applicable to the taxon under consideration.

senior homonym Of two homonyms: the first established, or in the case of simultaneous establishment the one given precedence under Article 24.

species (*sing.* and *pl.*) *n.* (1) The rank next below the genus group; the basic rank of zoological classification. (2) A taxon at the rank of species.

species group *n.* In the zoological classification, the lowest-ranking group of taxa the names of which are regulated by the Code. The species group includes all taxa at the ranks of species and subspecies [Art. 45.1].

specimen *n.* An example of an animal, or a fossil or work of an animal, or of a part of these. See Article 72.5 for the kinds of specimen eligible to be name-bearing types of nominal species-group nominal taxa.

spelling

subsequent monotypy The situation arising when a nominal genus or subgenus was established before 1931 without any included nominal species, and when only a single taxonomic species denoted by an available name was first subsequently referred to it [Art. 69.3].

suppression, *n.* (suppress, *v.*) A ruling by the Commission, using its plenary power, (1) that a work is to be deemed, for nomenclature purposes, as unpublished, or that names and acts in it are not available; or (2) that an available name is never to be used as valid because (a) it is available only for the purpose of homonymy ("partial suppression") or (b) it is not available for the purposes of priority and homonymy ("total suppression"; but a totally suppressed species-group name may still denote the type species of a nominal genus or subgenus [Art. 81.2.1]); or (3) that an available name is only to be used as valid under stated conditions (e.g. when not considered a synonym of a particular later name) ("conditional suppression").

synonym *n.* Each of two or more names of the same rank used to denote the same taxonomic taxon.

junior synonym Of two synonyms: the later established, or in the case of simultaneous establishment that not given precedence under Article 24. See also Article 23.9.

objective synonym Each of two or more synonyms that denote nominal taxa with the same name-bearing type, or (in the cases of family-group and genus-group taxa) that denote nominal taxa with name-bearing types whose own names are themselves objectively synonymous.

senior synonym Of two synonyms: the earlier established, or in the case of simultaneous establishment that given precedence under Article 24. See also Article 23.9.

subjective synonym Each of two or more names whose synonymy is only a matter of individual opinion. i.e. it is not objective. See also Article 61.3.1.

synonymy *n.* (1) The relationship between synonyms. (2) A list of synonyms.

syntype *n.* See under type.

taxon, (*pl.* taxa) *n.* A taxonomic unit, whether named or not: i.e. a population, or group of populations of organisms which are usually inferred to be phylogenetically related and which have characters in common which differentiate (*q.v.*) the unit (*e.g.* a geographic population, a genus, a family, an order) from other such units. A taxon encompasses all included taxa of lower rank (*q.v.*) and individual organisms. The Code fully regulates the names of taxa only between and including the ranks of superfamily and subspecies. (2) A species or infraspecific entity whose extinction risk is being assessed.

taxonomic information

taxonomy, *n.* (taxonomic, *a.*) The theory and practice of classifying organisms. See taxonomic information, taxonomic taxon.

topotype See under type.

type *n.* A term used alone, or forming part of a compound term, to denote a particular kind of specimen or taxon.

allotype A term, not regulated by the Code, for a designated specimen of opposite sex to the holotype [Recommendation 72A].

cotype A term not recognized by the Code, formerly used for either syntype or paratype, but that should not now be used in zoological nomenclature [Recommendation 73E].

genotype A term not recognized by the Code, formerly used for type species, but that should not now be used in zoological nomenclature [Recommendation 67A].

holotype The single specimen designated or otherwise fixed as the name-bearing type of a nominal species or subspecies when the nominal taxon is established.

lectotype A syntype designated as the single name-bearing type specimen subsequent to the establishment of a nominal species or subspecies [Art. 74].

name-bearing type The type genus, type species, holotype, lectotype, series of syntypes (which together constitute the name-bearing type) or neotype that provides the objective standard of reference whereby the application of the name of a nominal taxon can be determined.

neotype The single specimen designated as the name-bearing of a nominal species or subspecies when there is a need to define the nominal taxon objectively and no name-bearing type is believed to be extant. If stability and universality are threatened, because an existing name-bearing type is either taxonomically inadequate or not in accord with the prevailing usage of a name, the Commission may use its plenary power to set aside that type and designate a neotype.

paralectotype Each specimen of a former syntype series remaining after the designation of a lectotype [Art. 721.3, Recommendation 74F].

paratype Each specimen of a type series other than the holotype [Recommendation 73D].

syntype Each specimen of a type series (*q.v.*) from which neither a holotype nor lectotype has been designated

[Arts. 72.1.2, 73.2, 74]. The syntypes collectively constitute the name-bearing type.

topotype, *n.* (topotypic, *a.*) A term, not regulated by the Code, for a specimen originating from the type locality of the species or subspecies to which it is thought to belong, whether or not the specimen is part of the type series.

type genus *n.* The nominal genus that is the name-bearing type of a nominal family-group taxon.

type host *n.* The host species with which the name-bearing type of a nominal species or subspecies was associated [Recommendation 76A.1].

type locality *n.* The geographical place of capture, collection, or observation of the name-bearing type of a nominal species or subspecies [Art. 76.1, Recommendation 76A].

type series *n.* The series of specimens, defined in Articles 72.4 and 73.2, on which the original author bases a new nominal species-group taxon. In the absence of a holotype designation, any such specimen is eligible for subsequent designation as the name-bearing type (lectotype); pending lectotype designation, all the specimens of the type series are syntypes and collectively they constitute the name-bearing type. Excluded from the type series are any specimens that the original author expressly excludes or refers to as distinct variants, or doubtfully includes in the taxon.

type species *n.* The nominal species that is the name-bearing type of a nominal genus or subgenus.

type specimen A term used in previous editions of the Code for a holotype, lectotype or neotype, or for any syntype; also used generally for any specimen of the type series (*q.v.*).

Vagrant A taxon that is currently found only occasionally within the boundaries of a region.

Visitor (also, visiting taxon) A taxon that does not reproduce within a region but regularly occurs within its boundaries either now or during some period of the last century. Regions have several options on how to decide the boundaries between visitors and vagrants, e.g., using a preset percentage of the global population found in the region or predictability of occurrence.

Vulnerable (VU) A taxon is Vulnerable when the best available evidence indicates that it meets any of the criteria A to E for Vulnerable (see Section V), and it is therefore considered to be facing a high risk of extinction in the wild.

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Appendices

Appendix 1: Current Taxonomy

The list below gives a taxonomical overview of the taxa covered in this report. The order in which these taxa are presented is alphabetically sorted on the hierarchical categories from high (order) to low (subspecies).

Category, Name and Author

Order CHIROPTERA Blumenbach, 1779
† Family AEGYPTONYCTERIDAE Simmons, Seiffert and Gunnell, 2016
† Genus *Aegyptonycteris* Simmons, Seiffert and Gunnell, 2016
† Species *Aegyptonycteris knightae* Simmons, Seiffert and Gunnell, 2016
† Family NECROMANTIDAE Sigé, 2011
† Genus *Necromantis* Weithofer, 1887
† Species *Necromantis fragmentum* (Ravel, 2016)
Suborder PTEROPODIFORMI Van Cakenberghe, Kearney and Seamark, 2007
Infraorder PTEROPODIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007
Superfamily PTEROPODOIDEA Gray, 1821
Family PTEROPODIDAE Gray, 1821
Subfamily Eidolinae Almeida, Giannini and Simmons, 2016
Genus *Eidolon* Rafinesque, 1815
Species *Eidolon dupreanum* (Schegel, 1867)
Species *Eidolon helvum* (Kerr, 1792)
Subspecies *Eidolon helvum helvum* (Kerr, 1792)
† Subfamily Propottininae Butler, 1984
† Genus *Propotto* Simpson, 1967
† Species *Propotto leakeyi* Simpson, 1967
Subfamily Pteropodinae Gray, 1821
Genus *Pteropus* Erxleben, 1777
Species *Pteropus aldabrensis* True, 1893
Species *Pteropus livingstonii* Gray, 1866
Species *Pteropus niger* (Kerr, 1792)
Species *Pteropus rodricensis* Dobson, 1878
Species *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Species *Pteropus seychellensis* A. Milne-Edwards, 1877
Species *Pteropus subniger* (Kerr, 1792)
Species *Pteropus voeltzkowi* Matschie, 1909
Subfamily Rousettinae Andersen, 1912
Genus *Casinycteris* Thomas, 1910
Species *Casinycteris argynnis* Thomas, 1910
Species *Casinycteris campomaanensis* Hassanin, 2014
Species *Casinycteris ophiodon* (Pohle, 1943)
Genus *Epomophorus* Bennett, 1836
Species *Epomophorus angolensis* Gray, 1870
Species *Epomophorus anselli* Bergmans and Van Strien, 2004
Species *Epomophorus crypturus* Peters, 1852
Species *Epomophorus dobsonii* Bocage, 1889
Species *Epomophorus gambianus* (Ogilby, 1835)
Subspecies *Epomophorus gambianus gambianus* (Ogilby, 1835)
Subspecies *Epomophorus gambianus pousarguesi* Trouessart, 1904
Species *Epomophorus grandis* (Sanborn, 1950)
Species *Epomophorus labiatus* (Temminck, 1837)
Species *Epomophorus minimus* Claessen & De Vree, 1991
Species *Epomophorus minor* Dobson, 1880
Species *Epomophorus wahlbergi* (Sundevall, 1846)
Genus *Epomops* Gray, 1866
Species *Epomops buettikoferi* (Matschie, 1899)
Species *Epomops franqueti* (Tomes, 1860)
Genus *Hypsignathus* H. Allen, 1862
Species *Hypsignathus monstrosus* H. Allen, 1862
Genus *Megaloglossus* Pagenstecher, 1885
Species *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012
Species *Megaloglossus woermanni* Pagenstecher, 1885
Genus *Micropteropus* Matschie, 1899
Species *Micropteropus intermedius* Hayman, 1963
Species *Micropteropus pusillus* (Peters, 1868)
Genus *Myonycteris* Matschie, 1899
Species *Myonycteris angolensis* (Bocage, 1898)
Subspecies *Myonycteris angolensis angolensis* (Bocage, 1898)

Category, Name and Author

Subspecies *Myonycteris angolensis goliath* (Bergmans, 1997)
Subspecies *Myonycteris angolensis petraea* (Bergmans, 1997)
Subspecies *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)
Subspecies *Myonycteris angolensis smithii* (Thomas, 1908)
Species *Myonycteris brachycephala* (Bocage, 1889)
Species *Myonycteris leptodon* K. Andersen, 1908
Species *Myonycteris relicta* Bergmans, 1980
Species *Myonycteris torquata* (Dobson, 1878)
Subspecies *Myonycteris torquata torquata* (Dobson, 1878)
Subspecies *Myonycteris torquata wroughtoni* K. Andersen, 1908
Genus *Nanonycteris* Matschie, 1899
Species *Nanonycteris veldkampii* (Jentink, 1888)
Genus *Plerotes* K. Andersen, 1910
Species *Plerotes anchietae* (Seabra, 1900)
Genus *Rousettus* Gray, 1821
Species *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Species *Rousettus madagascariensis* G. Grandidier, 1929
Species *Rousettus obliviosus* Kock, 1978
Genus *Scotonycteris* Matschie, 1894
Species *Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Subspecies *Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Subspecies *Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Species *Scotonycteris occidentalis* Hayman, 1947
Species *Scotonycteris zenkeri* Matschie, 1894
Genus *Stenonycteris* Gray, 1870
Species *Stenonycteris lanosus* (Thomas, 1906)
Infraorder RHINOLOPHIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007
Superfamily RHINOLOPHOIDEA J. E. Gray, 1825
Family HIPPOSIDERIDAE Lydekker, 1891
Genus *Asellia* Gray, 1838
Species *Asellia italosomalica* de Beaux, 1931
Species *Asellia patrizii* de Beaux, 1931
Species *Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Genus *Doryrhina* Peters, 1871
Species *Doryrhina cyclops* (Temminck, 1853)
Genus *Hipposideros* Gray, 1831
† Species *Hipposideros africanum* Ravel, 2016
† Species *Hipposideros amenhotepos* Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, 2015
† Species *Hipposideros besaoka* Samonds, 2007
† Species *Hipposideros kaumbului* Wesselman, 1984
† Species *Hipposideros vetus* (Lavocat, 1961)
Species *Hipposideros abae* J.A. Allen, 1917
Species *Hipposideros beatus* (K. Andersen, 1906)
Species *Hipposideros caffer* (Sundevall, 1846)
Species *Hipposideros camerunensis* Eisentraut, 1956
Species *Hipposideros cf. centralis* Andersen, 1906
Species *Hipposideros curtus* G.M. Allen, 1921
Species *Hipposideros fuliginosus* (Temminck, 1853)
Species *Hipposideros jonesi* Hayman, 1947
Species *Hipposideros lamottei* Brosset, 1985
Species *Hipposideros marisae* Aellen, 1954
Species *Hipposideros megalotis* (Heuglin, 1861)
Species *Hipposideros ruber* (Noack, 1893)
Species *Hipposideros tephrus* (Cabrera, 1906)
Genus *Macronycteris* Gray, 1866
Species *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Species *Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
Species *Macronycteris gigas* (Wagner, 1845)
Species *Macronycteris vittatus* (Peters, 1852)
† Genus *Palaeophyllophora* Revilliod, 1917
† Species *Palaeophyllophora tunisiensis* (Ravel, 2016)
Family MEGADERMATIDAE H. Allen, 1864
Genus *Cardioderma* Peters, 1873
† Species *Cardioderma leakeyi* Gunnell, Butler, Greenwood and Simmons, 2015
Species *Cardioderma cor* (Peters, 1872)
Genus *Lavia* Gray, 1838
Species *Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Genus *Megaderma* E. Geoffroy St.-Hilaire, 1810
† Species *Megaderma gaillardi* (Trouessart, 1898)

Category, Name and Author

† Species *Megaderma gigas* (Lavocat, 1961)
† Species *Megaderma jaegeri* Sigé, 1976
† Genus *Saharaderma* Gunnell, Simons and Seiffert, 2008
† Species *Saharaderma pseudovampyrus* Gunnell, Simons and Seiffert, 2008
Family RHINOLOPHIDAE Gray, 1825
Genus *Rhinolophus* Lacépède, 1799
† Species *Rhinolophus maghrebensis* Gunnell, Eiting, and Geraads, 2011
† Species *Rhinolophus mellali* Lavocat, 1961
Species *Rhinolophus adami* Aellen and Brosset, 1968
Species *Rhinolophus alcyone* Temminck, 1853
Species *Rhinolophus blasii* Peters, 1867
Species *Rhinolophus capensis* Lichtenstein, 1823
Species *Rhinolophus clivosus* Cretzschmar, 1828
Species *Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Species *Rhinolophus damarensis* Roberts, 1946
Species *Rhinolophus darlingi* K. Andersen, 1905
Species *Rhinolophus deckenii* Peters, 1868
Species *Rhinolophus denti* Thomas, 1904
Species *Rhinolophus eloquens* K. Andersen, 1905
Species *Rhinolophus euryale* Blasius, 1853
Species *Rhinolophus ferrumequinum* (Schreber, 1774)
Species *Rhinolophus fumigatus* Rüppell, 1842
Species *Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018
Species *Rhinolophus guineensis* Eisentraut, 1960
Species *Rhinolophus hildebrandtii* Peters, 1878
Species *Rhinolophus hilli* Aellen, 1973
Species *Rhinolophus hillorum* Koopman, 1989
Species *Rhinolophus hipposideros* (Bechstein, 1800)
Species *Rhinolophus horaceki* Benda and Vallo, 2012
Species *Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013
Species *Rhinolophus landeri* Martin, 1838
Species *Rhinolophus lobatus* Peters, 1852
Species *Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Species *Rhinolophus maclaudi* Pousargues, 1898
Species *Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
Species *Rhinolophus mehelyi* Matschie, 1901
Species *Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Species *Rhinolophus rhodesiae* Roberts, 1946
Species *Rhinolophus ruwenzorii* J. Eric Hill, 1942
Species *Rhinolophus sakejiensis* Cotterill, 2002
Species *Rhinolophus silvestris* Aellen, 1959
Species *Rhinolophus simulator* K. Andersen, 1904
Species *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Species *Rhinolophus swinnyi* Gough, 1908
Species *Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013
Species *Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
Family RHINONYCTERIDAE J. E. Gray, 1866
† Genus *Brachipposideros* Sigé, 1968
† Genus *Brevipalatus* Hand and Archer, 2005
Genus *Cloeotis* Thomas, 1901
Species *Cloeotis percivali* Thomas, 1901
Genus *Paratriaenops* Benda and Vallo, 2009
Species *Paratriaenops auritus* (G. Grandidier, 1912)
Species *Paratriaenops furculus* (Trouessart, 1907)
Species *Paratriaenops pauliani* (Goodman and Ranivo, 2008)
Genus *Triaenops* Dobson, 1871
† Species *Triaenops goodmani* Samonds, 2007
Species *Triaenops afer* Peters, 1877
Species *Triaenops menamena* Goodman and Ranivo, 2009
Superfamily RHINOPOMATOIDEA Dobson, 1872
Family RHINOPOMATIDAE Dobson, 1872
† Genus *Qarunycteris* Gunnell, Simons and Seiffert, 2008
† Species *Qarunycteris moerisae* Gunnell, Simons and Seiffert, 2008
Genus *Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Species *Rhinopoma cystops* Thomas, 1903
Species *Rhinopoma macinnesi* Hayman, 1937
Species *Rhinopoma microphyllum* (Brünnich, 1782)

Category, Name and Author

† Family TANZANYCTERIDIDAE Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
† Genus *Tanzanycteris* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
† Species *Tanzanycteris mannardi* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
Suborder VESPERTILIONIFORMI Van Cakenberghe, Kearney and Seamark, 2007
Infraorder NOCTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007
Superfamily NOCTILIONOIDEA Gray, 1821
Family MYZOPODIDAE Thomas, 1904
Genus *Myzopoda* Milne-Edwards and A. Grandidier, 1878
† Species *Myzopoda africana* Gunnell, Butler, Greenwood and Simmons, 2015
Species *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Species *Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
† Genus *Phasmatonycteris* Gunnell, Simmons and Seiffert, 2014
† Species *Phasmatonycteris butleri* Gunnell, Simmons and Seiffert, 2014
† Species *Phasmatonycteris phiomensis* Gunnell, Simmons and Seiffert, 2014
Infraorder NYCTERIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007
Superfamily NYCTEROIDEA Van der Hoeven, 1855
Family EMBALLONURIDAE Gervais, 1855
Genus *Coleura* Peters, 1867
† Species *Coleura muthokai* Wesselman, 1984
Species *Coleura afra* (Peters, 1852)
Species *Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
Species *Coleura seychellensis* Peters, 1868
† Genus *Dhofarella* Sigé, Thomas, Sen, Gheerbrant, Roger, and Al-Sulaimani, 1985
† Species *Dhofarella sigei* Gunnell, Simons and Seiffert, 2008
† Species *Dhofarella thaleri* Sigé et al., 1994
Genus *Paremballonura* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
Species *Paremballonura atrata* (Peters, 1874)
Species *Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
† Genus *Pseudovespertiliavus* Ravel, 2016
† Species *Pseudovespertiliavus parva* Ravel, 2016
Genus *Saccolaimus* Temminck, 1838
† Species *Saccolaimus abitus* (Wesselman, 1984)
Species *Saccolaimus peli* (Temminck, 1853)
Genus *Taphozous* E. Geoffroy St.-Hilaire, 1818
† Species *Taphozous incognita* (Butler & Hopwood, 1957)
Species *Taphozous hamiltoni* Thomas, 1920
Species *Taphozous hildegardeae* Thomas, 1909
Species *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Species *Taphozous nudiventris* Cretzschmar, 1830
Species *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Subspecies *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
Subspecies *Taphozous perforatus sudani* Thomas, 1915
† Genus *Vespertiliavus* Schlosser, 1887
† Species *Vespertiliavus aenigma* (Ravel, 2016)
† Species *Vespertiliavus kasserinensis* (Ravel, 2016)
Family NYCTERIDAE Van der Hoeven, 1855
† Genus *Khoufechia* Ravel, 2016
† Species *Khoufechia gunnelli* Ravel, 2016
Genus *Nycteris* G. Cuvier and E. Geoffroy, 1795
Species *Nycteris arge* Thomas, 1903
Species *Nycteris aurita* (K. Andersen, 1912)
Species *Nycteris cf. parisii* De Beaux, 1924
Species *Nycteris gambiensis* (K. Andersen, 1912)
Species *Nycteris grandis* Peters, 1865
Species *Nycteris hispida* (Schreber, 1774)
Species *Nycteris intermedia* Aellen, 1959
Species *Nycteris macrotis* Dobson, 1876
Species *Nycteris madagascariensis* G. Grandidier, 1937
Species *Nycteris major* (K. Andersen, 1912)
Species *Nycteris nana* (K. Andersen, 1912)
Species *Nycteris parisii* (de Beaux, 1924)
Species *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Species *Nycteris vinsoni* Dalquest, 1965
Species *Nycteris woodi* K. Andersen, 1914
Infraorder VESPERTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007
Superfamily MOLOSSOIDEA Gervais, 1856
Family MOLOSSIDAE Gervais, 1856
Subfamily Molossinae Gervais, 1856
Genus *Chaerephon* Dobson, 1874

Category, Name and Author

Species *Chaerephon aloysiisabaudiae* (Festa, 1907)
Species *Chaerephon ansorgei* (Thomas, 1913)
Species *Chaerephon atsinanana* Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
Species *Chaerephon bemmeleni* (Jentink, 1879)
Species *Chaerephon bivittatus* (Heuglin, 1861)
Species *Chaerephon chapini* J.A. Allen, 1917
Species *Chaerephon gallagheri* (Harrison, 1975)
Species *Chaerephon jobimena* Goodman and Cardiff, 2004
Species *Chaerephon leucogaster* (A. Grandidier, 1869)
Species *Chaerephon major* (Trouessart, 1897)
Species *Chaerephon nigeriae* Thomas, 1913
Subspecies *Chaerephon nigeriae nigeriae* Thomas, 1913
Subspecies *Chaerephon nigeriae spillmanni* (Monard, 1933)
Species *Chaerephon pumilus* (Cretzschmar, 1826)
Species *Chaerephon pusillus* (Miller, 1902)
Species *Chaerephon russatus* J.A. Allen, 1917
Species *Chaerephon tomensis* (Juste and Ibáñez, 1993)
Genus *Mops* Lesson, 1842
† Species *Mops rusingae* (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)
Subgenus *Mops (Mops)* Lesson, 1842
Species *Mops (Mops) condylurus* (A. Smith, 1833)
Species *Mops (Mops) congicus* J.A. Allen, 1917
Species *Mops (Mops) demonstrator* (Thomas, 1903)
Species *Mops (Mops) leucostigma* (G.M. Allen, 1918)
Species *Mops (Mops) midas* (Sundevall, 1843)
Subspecies *Mops (Mops) midas miarensis* (A. Grandidier, 1869)
Subspecies *Mops (Mops) midas midas* (Sundevall, 1843)
Species *Mops (Mops) niangarae* J.A. Allen, 1917
Species *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
Species *Mops (Mops) trevori* J.A. Allen, 1917
Subgenus *Mops (Xiphonycteris)* Dollman, 1911
Species *Mops (Xiphonycteris) bakarii* Stanley, 2009
Species *Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Species *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Species *Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
Species *Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
Species *Mops (Xiphonycteris) thersites* (Thomas, 1903)
Genus *Mormopterus* Peters, 1865
Species *Mormopterus acetabulosus* (Hermann, 1804)
Subspecies *Mormopterus acetabulosus acetabulosus* (Hermann, 1804)
Subspecies *Mormopterus acetabulosus natalensis* (A. Smith, 1847)
Species *Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Species *Mormopterus jugularis* (Peters, 1865)
Genus *Myopterus* E. Geoffroy St.-Hilaire, 1818
Species *Myopterus daubentonii* Desmarest, 1820
Species *Myopterus whitleyi* (Scharff, 1900)
Genus *Otomops* Thomas, 1913
Species *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015
Species *Otomops madagascariensis* Dorst, 1953
Species *Otomops martiensseni* (Matschie, 1897)
Subspecies *Otomops martiensseni icarus* Chubb, 1917
Subspecies *Otomops martiensseni martiensseni* (Matschie, 1897)
Genus *Platymops* Thomas, 1906
Species *Platymops setiger* (Peters, 1878)
Subspecies *Platymops setiger macmillani* Thomas, 1906
Subspecies *Platymops setiger setiger* (Peters, 1878)
Genus *Sauromys* Roberts, 1917
Species *Sauromys petrophilus* (Roberts, 1917)
Subspecies *Sauromys petrophilus erongensis* (Roberts, 1946)
Subspecies *Sauromys petrophilus haagneri* (Roberts, 1917)
Subspecies *Sauromys petrophilus petrophilus* (Roberts, 1917)
Subspecies *Sauromys petrophilus umbratus* (Shortridge & Carter, 1938)
Genus *Tadarida* Rafinesque, 1814
† Species *Tadarida engesseri* Rachl, 1983
Species *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Subspecies *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Subspecies *Tadarida aegyptiaca bocagei* (Seabra, 1900)
Species *Tadarida fulminans* (Thomas, 1903)
Species *Tadarida lobata* (Thomas, 1891)
Species *Tadarida teniotis* (Rafinesque, 1814)
Species *Tadarida ventralis* (Heuglin, 1861)
Superfamily VESPERTILIONOIDEA Gray, 1821

Category, Name and Author

Family CISTUGONIDAE Lack, Roehrs, Stanley, Ruedi and Van den Bussche, 2010
Genus *Cistugo* Thomas, 1912
Species *Cistugo lesueuri* Roberts, 1919
Species *Cistugo seabrae* Thomas, 1912
† Family indeterminate
† Genus *Chambinycteris* Ravel, 2016
† Species *Chambinycteris pusilli* Ravel, 2016
† Genus *Drakonycteris* Ravel, 2016
† Species *Drakonycteris glibzegdouensis* Ravel, 2016
Family MINIOPTERIDAE Dobson, 1875
Genus *Miniopterus* Bonaparte, 1837
† Species *Miniopterus horaceki* Gunnell, Eiting, and Geraads, 2011
Species *Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
Species *Miniopterus africanus* Sanborn, 1936
Species *Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015
Species *Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Species *Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
Species *Miniopterus fraterculus* Thomas and Schwann, 1906
Species *Miniopterus gleni* Peterson, Eger and Mitchell, 1995
Species *Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Species *Miniopterus griveaudi* Harrison, 1959
Species *Miniopterus inflatus* Thomas, 1903
Subspecies *Miniopterus inflatus inflatus* Thomas, 1903
Subspecies *Miniopterus inflatus rufus* Sanborn, 1936
Species *Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Species *Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009
Species *Miniopterus majori* Thomas, 1906
Species *Miniopterus manavi* Thomas, 1906
Species *Miniopterus minor* Peters, 1867
Species *Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013
Species *Miniopterus natalensis* (A. Smith, 1833)
Species *Miniopterus newtoni* Bocage, 1889
Species *Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Species *Miniopterus schreibersii* (Kuhl, 1817)
Species *Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
† Family PHILISIDAE Sigé, 1985
† Genus *Dizzya* Sigé, 1991
† Species *Dizzya exsultans* Sigé, 1991
† Genus *Philisis* Sigé, 1985
† Species *Philisis sphingis* Sigé, 1985
† Genus *Witwatia* Gunnell, Simons and Seiffert, 2008
† Species *Witwatia eremicus* Gunnell, Simons and Seiffert, 2008
† Species *Witwatia schlosseri* Gunnell, Simons and Seiffert, 2008
† Species *Witwatia sigei* Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud, 2012
Family VESPERTILIONIDAE Gray, 1821
Subfamily Kerivoulinae Miller, 1907
† Genus *Chamtwaria* Butler, 1984
† Species *Chamtwaria pickfordi* Butler, 1984
Genus *Kerivoula* Gray, 1842
Species *Kerivoula africana* Dobson, 1878
Species *Kerivoula argentata* Tomes, 1861
Species *Kerivoula cuprosa* Thomas, 1912
Species *Kerivoula eriophora* (Heuglin, 1877)
Species *Kerivoula lanosa* (A. Smith, 1847)
Species *Kerivoula phalaena* Thomas, 1912
Species *Kerivoula smithii* Thomas, 1880
Subfamily Myotinae Tate, 1942
† Genus *Khonsunycteris* Gunnell, Simons and Seiffert, 2008
† Species *Khonsunycteris aegypticus* Gunnell, Simons and Seiffert, 2008
Genus *Myotis* Kaup, 1829
† Species *Myotis darelbeidensis* Gunnell, Eiting, and Geraads, 2011
Species *Myotis anjouanensis* (Dorst, 1960)
Species *Myotis bocagii* (Peters, 1870)
Subspecies *Myotis bocagii bocagii* (Peters, 1870)
Subspecies *Myotis bocagii cupreolus* Thomas, 1904
Species *Myotis capaccinii* (Bonaparte, 1837)
Species *Myotis dieteri* M. Happold, 2005

Category, Name and Author

Species *Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Species *Myotis goudoti* (A. Smith, 1834)
Species *Myotis morrisi* Hill, 1971
Species *Myotis mystacinus* (Kuhl, 1817)
Species *Myotis punicus* Felten, 1977
Species *Myotis scotti* Thomas, 1927
Species *Myotis tricolor* (Temminck, 1832)
Species *Myotis welwitschii* (Gray, 1866)
Subfamily Scotophilinae Van Cakenberghe and Seamark, 2008
† Genus *Scotophilisis* Horácek, Fejfar and Hulva, 2006
† Species *Scotophilisis libycus* Horácek, Fejfar and Hulva, 2006
Genus *Scotophilus* Leach, 1821
Species *Scotophilus andrewreborii* Brooks and Bickham, 2014
Species *Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Species *Scotophilus dinganii* (A. Smith, 1833)
Species *Scotophilus ejetai* Brooks and Bickham, 2014
Species *Scotophilus leucogaster* (Cretzschmar, 1826)
Species *Scotophilus livingstonii* Brooks and Bickham, 2014
Species *Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
Species *Scotophilus nigrita* (Schreber, 1774)
Species *Scotophilus nucella* Robbins, 1983
Species *Scotophilus nux* Thomas, 1904
Species *Scotophilus robustus* A. Milne-Edwards, 1881
Species *Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
Species *Scotophilus trujilloi* Brooks and Bickham, 2014
Species *Scotophilus viridis* (Peters, 1852)
Species *Scotophilus "incertae-sedis"*
† Genus *Vampyravus* Schlosser, 1910
† Species *Vampyravus orientalis* Schlosser, 1910
Subfamily Vespertilioninae Gray, 1821
Genus *Barbastella* Gray, 1821
Species *Barbastella barbastellus* (Schreber, 1774)
Species *Barbastella leucomelas* (Cretzschmar, 1826)
Genus *Eptesicus* Rafinesque, 1820
Species *Eptesicus bottae* (Peters, 1869)
Species *Eptesicus floweri* (de Winton, 1901)
Species *Eptesicus hottentotus* (A. Smith, 1833)
Species *Eptesicus isabellinus* (Temminck, 1840)
Species *Eptesicus platyops* (Thomas, 1901)
Genus *Glauconycteris* Dobson, 1875
Species *Glauconycteris alboguttata* J.A. Allen, 1917
Species *Glauconycteris argentata* (Dobson, 1875)
Species *Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
Species *Glauconycteris beatrix* Thomas, 1901
Species *Glauconycteris cf. beatrix* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
Species *Glauconycteris cf. humeralis* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
Species *Glauconycteris curryae* Eger and Schlitter, 2001
Species *Glauconycteris egeria* Thomas, 1913
Species *Glauconycteris gleni* Peterson and Smith, 1973
Species *Glauconycteris humeralis* J.A. Allen, 1917
Species *Glauconycteris kenyacola* Peterson, 1982
Species *Glauconycteris machadoi* Hayman, 1963
Species *Glauconycteris poensis* (Gray, 1842)
Species *Glauconycteris superba* Hayman, 1939
Species *Glauconycteris variegata* (Tomes, 1861)
Genus *Hypsugo* Kolenati, 1856
Species *Hypsugo anchietae* (Seabra, 1900)
Species *Hypsugo ariel* (Thomas, 1904)
Species *Hypsugo bemainty* Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015
Species *Hypsugo cf. eisentrauti* Hill, 1968
Species *Hypsugo crassulus* (Thomas, 1904)
Species *Hypsugo eisentrauti* (Hill, 1968)
Species *Hypsugo musciculus* (Thomas, 1913)
Species *Hypsugo savii* (Bonaparte, 1837)
Genus *Laephotis* Thomas, 1901
Species *Laephotis angolensis* Monard, 1935
Species *Laephotis botswanae* Setzer, 1971
Species *Laephotis namibensis* Setzer, 1971
Species *Laephotis wintoni* Thomas, 1901
Genus *Mimetillus* Thomas, 1904

Category, Name and Author

Species *Mimetillus moloneyi* (Thomas, 1891)
Species *Mimetillus thomasi* Hinton, 1920
Genus *Neoromicia* Roberts, 1926
Species *Neoromicia aff. guineensis* Bocage, 1889
Species *Neoromicia brunnea* (Thomas, 1880)
Species *Neoromicia capensis* (A. Smith, 1829)
Species *Neoromicia flavescens* (Seabra, 1900)
Species *Neoromicia guineensis* (Bocage, 1889)
Species *Neoromicia helios* (Heller, 1912)
Species *Neoromicia humbloti* (A. Milne-Edwards, 1881)
Species *Neoromicia isabella* Decher, Hutterer and Monadjem, 2016
Species *Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
Species *Neoromicia matroka* (Thomas and Schwann, 1905)
Species *Neoromicia nana* (Peters, 1852)
Species *Neoromicia rendalli* (Thomas, 1889)
Species *Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012
Species *Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013
Species *Neoromicia somalica* (Thomas, 1901)
Species *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Species *Neoromicia tenuipinnis* (Peters, 1872)
Species *Neoromicia zuluensis* (Roberts, 1924)
Species *Neoromicia "incertae-sedis"*
Genus *Nyctalus* Bowdich, 1825
Species *Nyctalus azoreum* (Thomas, 1901)
Species *Nyctalus lasiopterus* (Schreber, 1780)
Species *Nyctalus leisleri* (Kuhl, 1817)
Genus *Nycticeinops* Hill & Harrison, 1987
† Species *Nycticeinops serengetiensis* Gunnell, Butler, Greenwood and Simmons, 2015
Species *Nycticeinops schlieffenii* (Peters, 1859)
Species *Nycticeinops "incertae-sedis"*
Genus *Otonycteris* Peters, 1859
Species *Otonycteris hemprichii* Peters, 1859
Genus *Pipistrellus* Kaup, 1829
Species *Pipistrellus aero* Heller, 1912
Species *Pipistrellus grandidieri* (Dobson, 1876)
Species *Pipistrellus hanaki* Hulva and Benda, 2004
Species *Pipistrellus hesperidus* (Temminck, 1840)
Subspecies *Pipistrellus hesperidus broomi* Roberts, 1948
Subspecies *Pipistrellus hesperidus hesperidus* (Temminck, 1840)
Subspecies *Pipistrellus hesperidus subtilis* (Sundevall, 1846)
Species *Pipistrellus inexspectatus* Aellen, 1959
Species *Pipistrellus kuhlii* (Kuhl, 1817)
Species *Pipistrellus maderensis* (Dobson, 1878)
Species *Pipistrellus nanulus* Thomas, 1904
Species *Pipistrellus permixtus* Aellen, 1957
Species *Pipistrellus pipistrellus* (Schreber, 1774)
Species *Pipistrellus pygmaeus* (Leach, 1825)
Species *Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Species *Pipistrellus rueppellii* (Fischer, 1829)
Subspecies *Pipistrellus rueppellii fuscipes* Thomas, 1913
Subspecies *Pipistrellus rueppellii pulcher* (Dobson, 1875)
Subspecies *Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
Subspecies *Pipistrellus rueppellii senegalensis* Dorst, 1960
Subspecies *Pipistrellus rueppellii vernayi* Roberts, 1932
Species *Pipistrellus rusticus* (Tomes, 1861)
Species **Pipistrellus** sp. aff. **kuhlii** Kuhl, 1817
Species *Pipistrellus "incertae-sedis"*
Genus *Plecotus* E. Geoffroy St.-Hilaire, 1818
Species *Plecotus balensis* Kruskop & Lavrenchenko, 2000
Species *Plecotus christii* Gray, 1838
Species *Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
Species *Plecotus teneriffae* Barrett-Hamilton, 1907
Genus *Scotoecus* Thomas, 1901
† Species *Scotoecus olduvensis* Gunnell, Butler, Greenwood and Simmons, 2015
Species *Scotoecus albigula* Thomas, 1909
Species *Scotoecus albofuscus* (Thomas, 1890)
Species *Scotoecus hindei* Thomas, 1901
Species *Scotoecus hirundo* (de Winton, 1899)

Appendix 2: Voucher specimens

Appendix 2a: Museum Acronyms and Number of Specimens

This appendix contains the acronyms and the full names of the museums from which specimens were included in the "Voucher Specimens Details" appendix. Additionally, it gives the contact information (for both plain and e-mail), as well as a reference to the museum's website and mammal database. It also provides information about alternative names for the museum. These can include older names or names in other languages. Finally, the appendix also gives the total number of specimens from the museum included in the "Voucher Specimens Details" appendix.

Acronym	Museum Info	Nr
AMNH	**American Museum of Natural History** Contact: Nancy B. Simmons (simmons@amnh.org) Central Park West at 79th Street New York, New York 10024 United States Website: http://www.amnh.org Database: http://sci-web-001.amnh.org/db/emuwebamnh/Query.php Regions covered by the institution's collection: "Africa" [4], Algeria [1], Angola [105], Botswana [203], Burkina Faso [9], Cameroon [255], Central African Republic [63], Chad [48], Comoros [89], Congo [77], Congo (Democratic Republic of the) [1029], Côte d'Ivoire [51], Egypt [5], Equatorial Guinea [15], Ethiopia [15], Gabon [15], Ghana [97], Guinea-Bissau [1], Kenya [303], Liberia [454], Madagascar [48], Malawi [148], Mali [1], Mauritius [23], Mayotte [5], Morocco [1], Mozambique [89], Namibia [11], Nigeria [14], Rwanda [2], São Tomé and Principé [2], Seychelles [1], Sierra Leone [1], Somalia [53], South Africa [286], South Sudan [131], Sudan [60], Tanzania [168], Tunisia [1], Uganda [213], Zambia [280], Zimbabwe [50].	4427
AMS	**Australian Museum Sydney** Contact: Sandy Ingleby 6 College St NSW 2010 Sydney Australia Website: http://australianmuseum.net.au/ Database: http://australianmuseum.net.au/Australian-Museum-Collection-Search Regions covered by the institution's collection: "Africa" [14], Kenya [1], Liberia [1], Mauritius [1], Tanzania [1], Uganda [13], Zambia [7].	38
BDUMZ	**Biology Department, University of Malawi** Contact: Zomba Malawi Website: http://www.chanco.unima.mw/department/department.php?DepartmentID=20&Source=Department_of_Biology Regions covered by the institution's collection: Malawi [1].	

Acronym	Museum Info	Nr

BMGD

British Museum Geology Department 1

Contact:
London
United Kingdom

Regions covered by the institution's collection:
Kenya [1].

BMNH

The Natural History Museum 8277

formerly: The British Museum of Natural History

Contact: Paula Jenkins
Cromwell Road
London SW7 5BD
United Kingdom

Website: http://www.nhm.ac.uk

Database: http://data.nhm.ac.uk/

Regions covered by the institution's collection:
"Africa" [63], Algeria [50], Angola [138], Azores (Portugal) [15], Benin [3], Botswana [4], Burkina Faso [13], Cameroon [245], Canary Islands (Spain) [13], Cape Verde [3], Central African Republic [30], Chad [2], Comoros [22], Congo [1], Congo (Democratic Republic of the) [373], Côte d'Ivoire [3], Djibouti [1], Egypt [330], Equatorial Guinea [54], Eritrea [5], Ethiopia [886], France [1], Gabon [24], Ghana [464], Guinea-Bissau [2], Italy [1], Kenya [1137], Lesotho [9], Liberia [206], Libya [13], Madagascar [98], Madeira (Portugal) [3], Malawi [315], Mali [1], Malta [1], Mauritius [27], Morocco [31], Mozambique [75], Namibia [153], Niger [9], Nigeria [337], Rwanda [24], São Tomé and Principé [12], Senegal [20], Seychelles [63], Sierra Leone [279], Somalia [78], South Africa [203], South Sudan [158], Spain [1], Sudan [212], Swaziland [18], Tanzania [706], The Gambia [77], Togo [3], Tunisia [17], Uganda [543], Zambia [521], Zimbabwe [180].

BRTC

Biodiversity Research and Teaching Collections 201

formerly the Texas Cooperative Wildlife Collection (TCWC)

Contact: Jessica E. Light (jlight2@tamu.edu)
Department of Wildlife and Fisheries Sciences
College Station, Texas TX 77843
United States
TAMU 2258

Website: http://brtc.tamu.edu/

Database: http://brtc.tamu.edu/database-search/

Regions covered by the institution's collection:
Cameroon [6], Ethiopia [122], Kenya [14], Madagascar [2], Malawi [1], Morocco [2], Mozambique [1], Namibia [3], Niger [13], Sierra Leone [1], Somalia [10], South Africa [19], Tanzania [4], Uganda [1], Zambia [2].

Acronym	Museum Info	Nr
CAS	**California Academy of Sciences** Contact: Maureen Flannery (mflannery@calacademy.org) 55 Music Concourse Drive San Francisco, California 94118 United States Website: http://www.calacademy.org Database: http://researcharchive.calacademy.org/research/bmammals/MamColl/index.asp Regions covered by the institution's collection: "Africa" [7], Angola [1], Congo (Democratic Republic of the) [20], Egypt [9], Ghana [1], Kenya [117], Namibia [16], São Tomé and Principé [72], Saudi Arabia [1], Somalia [9], Tanzania [18], Uganda [190], Zambia [34], Zimbabwe [10].	505
CAWM	**College of African Wildlife Management, Mweka** Contact: mweka@mwekawildlife.org Moshi Tanzania P.O. Box 3031 Moshi Website: http://www.mwekawildlife.org Regions covered by the institution's collection: Tanzania [4].	4
CDC	**Centers for Disease Control and Prevention** Contact: 1600 Clifton Rd NE Atlanta, Georgia GA 30333 United States Mailstop G33 Regions covered by the institution's collection: Kenya [17].	17
CM	**Carnegie Museum** Contact: John R. Wible; Suzanne B. McLaren (wiblej@CarnegieMNH.org, mclarens@CarnegieMNH.org) 5800 Baum Boulevard Pittsburgh, Pennsylvania 15206-3706 United States Website: http://www.carnegiemnh.org Regions covered by the institution's collection: "Africa" [7], Algeria [35], Angola [10], Cameroon [112], Central African Republic [47], Congo [20], Congo (Democratic Republic of the) [29], Côte d'Ivoire [3], Egypt [45], Ethiopia [25], Gabon [2], Ghana [41], Kenya [148], Libya [17], Malawi [15], Namibia [19], Somalia [186], South Africa [141], Tanzania [1], Uganda [2], Zimbabwe [15].	920

Acronym	Museum Info	Nr
CUMV	**Cornell University Museum of Vertebrates** Contact: Kimberly S. Bostwick (ksb6@cornell.edu) 159 Sapsucker Woods Road Ithaca, New York NY 14850-1923 United States Website: http://www.cumv.cornell.edu/mammals.html Database: http://vertnet.org/ Regions covered by the institution's collection: "Africa" [1], Gabon [41], Ghana [2], Kenya [253], South Africa [1], Uganda [6].	304
CUMZ	**Cambridge University Museum of Zoology** Contact: Robert Asher (r.asher[at]zoo.cam.ac.uk) Downing Street Cambridge CB2 3EJ United Kingdom Website: http://www.museum.zoo.cam.ac.uk/ Regions covered by the institution's collection: Seychelles [2].	2
CZL	**Centro de Zoologia, Lisboa** Contact: Lisbon Portugal Regions covered by the institution's collection: Angola [8], Guinea-Bissau [5], Mozambique [11].	24
DCDH	**David C.D. Happold Collection** Contact: Canberra Australia Regions covered by the institution's collection: Malawi [149].	149
DNSM	**Durban Natural Science Museum** Contact: Leigh Richards (Leigh.Richards@durban.gov.za) 1st Floor City Hall, Smith Street 4000 Durban South Africa P.O. Box 4085 Website: http://www.durban.gov.za/durban/discover/museums/nsm Regions covered by the institution's collection: "Africa" [2], Angola [1], Congo (Democratic Republic of the) [3], Gabon [1], Kenya [1], Lesotho [2], Liberia [45], Malawi [3], Mali [9], Mozambique [252], Namibia [4], Sierra Leone [1], South Africa [1978], Swaziland [133], Zambia [2], Zimbabwe [72].	2509

Acronym	Museum Info	Nr
EBD	**Estacion Biologia la Doñana, Sevilla** Biological Station of Doñana Contact: Javier Juste, Mara Sempere (Collection Manager) (juste@ebd.csic.es, mara@ebd.csic.es) Avenida Americo Vespucio, s/n 41013 Seville Spain Apdo 1056 E Website: http://www.ebd.csic.es/inicio Database: http://www.gbif.org/dataset/85facc5c-f762-11e1-a439-00145eb45e9a Regions covered by the institution's collection: Algeria [27], Angola [14], Cameroon [13], Canary Islands (Spain) [1], Comoros [2], Equatorial Guinea [9], Ethiopia [28], Gabon [16], Guinea [3], Mauritania [4], Morocco [292], São Tomé and Principé [8], Spain [2].	419
FLMNH	**Florida Museum of Natural History** Contact: Candace McCaffery (candace@flmnh.ufl.edu) 3215 Hull Road - Powell Hall - UF Cultural Plaza Gainesville, Florida 32611-2710 United States PO Box 112710 Website: http://www.flmnh.ufl.edu/ Database: http://vertnet.org/ Regions covered by the institution's collection: Egypt [4].	4
FMNH	**Field Museum of Natural History** formerly: Chicago Natural History Museum Contact: Lawrence R. Heaney, Bruce D. Patterson (heaney@fieldmuseum.org, bpatterson@fieldmuseum.org) 1400 S. Lake Shore Drive Chicago, Illinois 60605-2496 United States Website: http://www.fieldmuseum.org Database: http://emuweb.fieldmuseum.org/mammals/taxonomic.php?_ga=1.142122738.1331713266.1463234212 Regions covered by the institution's collection: "Africa" [4], Algeria [6], Angola [385], Botswana [35], Burundi [92], Cameroon [82], Chad [2], Comoros [407], Congo [18], Congo (Democratic Republic of the) [301], Côte d'Ivoire [199], Djibouti [7], Egypt [2130], Equatorial Guinea [1], Eritrea [9], Ethiopia [68], Gabon [48], Ghana [61], Guinea [2], Kenya [956], Liberia [6], Madagascar [1714], Malawi [156], Mali [104], Mauritius [199], Mayotte [22], Morocco [2], Mozambique [193], Namibia [104], Niger [4], Nigeria [57], Réunion [65], Senegal [162], Seychelles [3], South Africa [141], South Sudan [971], Sudan [71], Swaziland [1], Tanzania [1407], Tunisia [35], Uganda [745], Zambia [49], Zimbabwe [152].	11176

Acronym	Museum Info	Nr
GV	**Global Viral Cameroon** Contact: Yaoundé Cameroon BP 7039 Regions covered by the institution's collection: Cameroon [2].	2
HNHM	**Hungarian Natural History Museum** Hungarian: Magyar Természettudományi Múzeum Contact: Gábor Csorba (csorba@nhmus.hu) Ludovika tér 2 H-1083 Budapest Hungary Website: http://www.nhmus.hu/index.php Regions covered by the institution's collection: "Africa" [1], Algeria [22], Botswana [1], Cameroon [3], Central African Republic [1], Congo [5], Congo (Democratic Republic of the) [4], Côte d'Ivoire [1], Egypt [2], Eritrea [5], Ethiopia [52], Ghana [43], Guinea [25], Kenya [8], Madagascar [1], Malawi [1], Nigeria [59], South Africa [12], Tanzania [65], Tunisia [13], Zambia [23], Zimbabwe [1].	348
HZM	**Harrison Institute** formerly: Harrison Zoological Museum Contact: Paul Bates (hzm@btinternet.com) St Botolphs Road Sevenoaks, Kent TN13 3AQ United Kingdom Website: http://www.harrison-institute.org Regions covered by the institution's collection: "Africa" [29], Algeria [13], Angola [1], Botswana [14], Comoros [2], Congo [27], Congo (Democratic Republic of the) [213], Côte d'Ivoire [5], Egypt [3], Ethiopia [27], Kenya [47], Liberia [4], Libya [1], Malawi [17], Mozambique [2], Nigeria [26], Sierra Leone [2], South Africa [20], South Sudan [2], Sudan [9], Tanzania [62], The Gambia [23], Tunisia [2], Uganda [6], Zambia [109], Zimbabwe [53].	719
IFAN	**Institut Fondamental d'Afrique Noire** Contact: ifan(at)ucad.edu.sn Dakar Senegal BP 206 Dakar-Fann Website: https://ifan.ucad.sn/ Regions covered by the institution's collection: Guinea [1].	1
IICA	**Instituto de Investigaçao Cientifica de Angola** Contact: Portugal Regions covered by the institution's collection: Angola [61].	61

Acronym	Museum Info	Nr
INPBC	**The Institute of the National Parks of Belgian Congo** Contact: Brussels Belgium Regions covered by the institution's collection: Congo (Democratic Republic of the) [1292], Rwanda [272].	1564
ISEA	**Institute of Systematics and Evolution of Animals** Contact: Cracow Poland Regions covered by the institution's collection: Algeria [12].	12
ISU	**Illinois State University (School. of Biological Sciences)** Contact: Dr. Angelo Capparella Julian Hall 210 Normal, Illinois 61790-4120 United States Website: http://bio.illinoisstate.edu/ Database: http://vertnet.org/ Regions covered by the institution's collection: Botswana [2].	2
IVB	**Institute of Vertebrate Biology, Academy of Sciences of Czech Republic** Contact: Jan Zukal (zukal@ivb.cz) Brno Czech Republic Website: http://www.ivb.cz/index_en.html Regions covered by the institution's collection: Algeria [2], Egypt [32], Senegal [253], Sudan [1].	288
KM	**Amathole Museum, King William's Town** formerly: Kaffrarian Museum Contact: Buyiswa Mahala (buyiswa.m@museum,za.net) King William's Town South Africa P.O. Box 1431 Website: http://www.museum.za.net/component/option,com_frontpage/Itemid,1/ Regions covered by the institution's collection: "Africa" [6], Lesotho [1], Malawi [43], Mozambique [1], Namibia [170], South Africa [313], South Sudan [2], Tanzania [2], Zambia [98], Zimbabwe [1].	637
KNP	**Kruger National Park** Contact: South Africa Regions covered by the institution's collection: South Africa [187].	187

Acronym	Museum Info	Nr
KU	**University of Kansas, Natural History Museum** Contact: Maria Eifler (meifler@ku.edu) Dyche Hall - 1345 Jayhawk Blvd Lawrence, Kansas 66045 United States Website: http://www.nhm.ku.edu Database: http://collections.biodiversity.ku.edu/KUMammals/ Regions covered by the institution's collection: "Africa" [11], Angola [1], Botswana [7], Congo (Democratic Republic of the) [10], Ghana [2], Kenya [11], Liberia [2], Malawi [49], Mozambique [2], South Africa [62], Tanzania [23], Uganda [1], Zambia [1], Zimbabwe [10].	192
KZNM	**KwaZulu-Natal Museum** Contact: 237 Jabu Ndlovu Street Pietermaritzburg South Africa Website: http://www.nmsa.org.za/ Regions covered by the institution's collection: South Africa [2].	2
LACM	**Natural History Museum of Los Angeles County** Contact: James P. Dines (jdines@nhm.org) 900 Exposition Boulevard Los Angeles, California 90007 United States Website: http://www.nhm.org Database: http://vertnet.org/ Regions covered by the institution's collection: Central African Republic [1], Côte d'Ivoire [6], Egypt [1], Kenya [392], Liberia [1], Namibia [124], South Africa [5], Tanzania [36], Tunisia [4], Uganda [255], Zambia [82].	907
LER	**Laboratoire Emile Roubaud** Contact: Brazzaville Congo Regions covered by the institution's collection: Central African Republic [1].	1
LNK	**Staatliches Museum für Naturkunde, Karlsruhe [SMNK]** formerly: Landessammlung für Naturkunde, Karlsruhe Contact: Prof. Dr. Volkmar Wirth (direktor@naturkundeka-bw.de) Erbprinzenstr. 13 D-76133 Karlsruhe Germany Website: http://www.smnk.de Regions covered by the institution's collection: Tanzania [12].	12

Acronym	Museum Info	Nr
LZUM	**Laboratory of Zoology, University of Maroua** Contact: Eric Moise Bakwo Fils Maroua Cameroon BP 46 Regions covered by the institution's collection: Cameroon [13].	13
MCZ	**Museum of Comparative Zoology, Harvard University** Contact: Dr. Hopi Hoekstra, Judy Chupasko, Mark Omura (hoekstra@oeb.harvard.edu, [jchupask@oeb.harvard.edu, momura@oeb.harvard.edu) 26 Oxford Street Cambridge, Massachusetts 02138 United States Website: http://www.mcz.harvard.edu Database: http://mczbase.mcz.harvard.edu/SpecimenSearch.cfm Regions covered by the institution's collection: "Africa" [12], Algeria [2], Angola [3], Benin [7], Botswana [4], Burundi [1], Cameroon [130], Canary Islands (Spain) [1], Congo (Democratic Republic of the) [190], Djibouti [1], Egypt [17], Eritrea [2], Ethiopia [4], Gabon [3], Ghana [8], Kenya [353], Liberia [68], Madagascar [220], Malawi [74], Mali [1], Mauritius [4], Morocco [12], Mozambique [8], Namibia [16], Nigeria [2], Réunion [6], Senegal [5], Sierra Leone [3], Somalia [1], South Africa [63], South Sudan [2], Sudan [46], Swaziland [2], Tanzania [566], The Gambia [2], Uganda [106], Zambia [9], Zimbabwe [14].	1968
MDL	**Museum Dundo** Contact: Lunda Angola Regions covered by the institution's collection: Angola [166].	166
MHNC	**Muséum d'Histoire Naturelle de La Chaux-de-Fonds** Contact: Arnaud Maeder (arnaud.maeder@ne.ch) Avenue Léopold-Robert 63 CH-2300 La Chaux-de-Fonds Switzerland Website: http://www.mhnc.ch/ Regions covered by the institution's collection: "Africa" [1], Angola [3], Cameroon [12], Guinea-Bissau [7].	23

Acronym	Museum Info	Nr
MHNG	**Muséum d'Histoire Naturelle, Genève** Contact: Manuel Ruedi (manuel.ruedi@ville-ge.ch) 1 route de Malagnou CH-1208 Geneva Switzerland P.O. Box 6434, CH-1211 Genève 6 Website: http://www.ville-ge.ch/mhng Regions covered by the institution's collection: "Africa" [2], Algeria [2], Angola [4], Burundi [328], Cameroon [14], Chad [13], Comoros [2], Congo [5], Congo (Democratic Republic of the) [278], Côte d'Ivoire [22], Egypt [3], Ethiopia [2], Gabon [4], Guinea [5], Guinea-Bissau [4], Libya [1], Macedonia [1], Morocco [4], Mozambique [1], Nigeria [1], Rwanda [41], Senegal [10], South Africa [1], Sudan [4], Tanzania [15], Tunisia [3], Uganda [1].	771
MHNN	**Muséum d'Histoire Naturelle Neuchâtel** Contact: Celia Bueno (celia.bueno@unine.ch) 14 rue des Terreaux CH-2000 Neuchâtel Switzerland Website: http://www.museum-neuchatel.ch Regions covered by the institution's collection: Angola [3].	3
MIZT	**Museo ed Instituto Zoologia, Torino** Contact: Turin Italy Regions covered by the institution's collection: "Africa" [1], Uganda [1].	2
MLZA	**Lisbon Museum** Contact: Lisbon Portugal Regions covered by the institution's collection: Angola [2], Guinea-Bissau [1], São Tomé and Principé [1].	4
MMF	**Municipal Museum Funchal** Funchal Natural History MuseumMuseu de Historia Natural do Funchal Contact: Rua da Mouraria 31 9004-546 Funchal Portugal Regions covered by the institution's collection: Madeira (Portugal) [1].	1

Acronym	Museum Info	Nr
MMK	**Macgregor Museum, Kimberly** Contact: Beryl Wilson (berylwa@museumsnc.co.za) 5 Atlas Street , Belgravia 3801 Kimberley South Africa P.O. Box 316, Kimberley 3800 Website: http://www.museumsnc.co.za Regions covered by the institution's collection: "Africa" [54], Namibia [5], South Africa [100], Zambia [3], Zimbabwe [2].	164
MMU	**Maasai Mara University** Contact: Paul W. Webala 20500 Narok Kenya Regions covered by the institution's collection: Kenya [320].	320
MNCN	**Museo Nacional de Ciencias Naturales** Contact: Josefina Barreiro Rodríguez (jbarreiro@mncn.csic.es) Madrid Spain Website: http://www.mncn.csic.es/home800.php Database: http://www.mncn.csic.es/index.jsp?seccion=1311&idioma=es_ES Regions covered by the institution's collection: Equatorial Guinea [2], Morocco [2], Spain [1].	5
MNH	**Museo de La Naturaleza e El Hombre, Santa Cruz de Tenerife** Contact: C/ San Agustín, 22 38201 Santa Cruz de Tenerife Canary Islands (Spain) Website: http://www.museosdetenerife.org/index.php?al_id_mus=1 Regions covered by the institution's collection: Spain [3].	3

Acronym	Museum Info	Nr
MNHN	**Museum National d'Histoire Naturelle** Contact: Jacques Cuisin, Jean-Marc Pons 55 rue Cuvier 75231 PARIS cedex 05 Paris France Website: http://www.mnhn.fr/museum/foffice/transverse/transverse/accueil.xsp Database: https://science.mnhn.fr/institution/mnhn/collection/zm/item/search Regions covered by the institution's collection: "Africa" [315], Algeria [111], Angola [4], Benin [31], Botswana [4], Burkina Faso [25], Burundi [1], Cameroon [272], Cape Verde [7], Central African Republic [1219], Chad [21], Comoros [32], Congo [216], Congo (Democratic Republic of the) [283], Côte d'Ivoire [328], Djibouti [15], Egypt [39], Equatorial Guinea [5], Ethiopia [112], France [2], Gabon [283], Guinea [364], Guinea-Bissau [8], Kenya [36], Liberia [100], Madagascar [746], Madeira (Portugal) [3], Malawi [14], Mali [139], Mauritania [56], Mauritius [22], Mayotte [8], Morocco [110], Mozambique [4], Namibia [9], Niger [22], Portugal [1], Réunion [95], São Tomé and Principé [6], Senegal [483], Seychelles [15], Sierra Leone [1], Somalia [11], South Africa [50], Spain [1], Sudan [17], Tanzania [137], Togo [22], Tunisia [39], Uganda [2], Yemen [1], Zambia [3], Zimbabwe [49].	5899
MSB	**Museum of Southwestern Biology** Contact: Joseph A. Cook; Jon Dunnum (cookjose@unm.edu; jldunnum@unm.edu) CERIA Building MSC03 2020 - 1 Univ. New Mexico Albuquerque 87131-0001 United States Website: http://www.msb.unm.edu Database: http://arctos.database.museum/SpecimenSearch.cfm Regions covered by the institution's collection: "Africa" [2], Cameroon [33], Congo (Democratic Republic of the) [250], Equatorial Guinea [33], Kenya [1], Nigeria [1], South Africa [4], Tanzania [2], Zambia [679].	1005
MSNG	**Museo Civico di Storia Naturale "Giacomo Doria"** Contact: Via Brigata Liguria 9 I-16121 GE Genoa Italy Website: http://www.museidigenova.it/spip.php?rubrique264 Regions covered by the institution's collection: Algeria [1], Angola [1], Egypt [5], Eritrea [7], Ethiopia [5], Lesotho [3], Libya [5], Madagascar [2], Mozambique [1], Somalia [2], South Africa [4], Sudan [1].	37

Acronym	Museum Info	Nr
MSNM	**Museo Civico di Storia Naturale di Milano** Contact: Corso Venezia, 55 I-20121 Milano Italy Website: http://www.comune.milano.it/dseserver/webcity/Documenti.nsf/webHomePage?OpenForm&settore=MCOI-6C5J9V_HP Regions covered by the institution's collection: Ethiopia [3], Somalia [8].	11
MSU	**Michigan State University, Mammal Collection, The Museum** Contact: Laura Abraczinskas (abraczi1@msu.edu) West Circle Drive East Lansing, Michigan 48824 United States Website: http://museum.msu.edu/ Database: http://www.gbif.org/ ; http://elib.cs.berkeley.edu/manis/ Regions covered by the institution's collection: Ghana [2], Kenya [33], Namibia [6], Sierra Leone [1], South Sudan [183], Sudan [7], Tanzania [2], Uganda [1], Zambia [52].	287
MUB	**Masaryk University Brno, Department of Botany and Zoology** Contact: Kotlárská 2 CZ-61137 Brno Czech Republic Regions covered by the institution's collection: Algeria [17], Egypt [2].	19
MVZ	**Museum of Vertebrate Zoology, Univ. California, Berkeley** Contact: Eileen A. Lacey (ealacey@berkeley.EDU) 3101 Valley Life Sciences Building Berkeley, California 94720-3160 United States Website: http://mvz.berkeley.edu/ Database: http://mvzarctos.berkeley.edu/SpecimenSearch.cfm Regions covered by the institution's collection: Angola [1], Botswana [43], Cameroon [7], Egypt [42], Eritrea [31], Ethiopia [4], Ghana [69], Kenya [47], Liberia [21], Madagascar [2], Malawi [60], Mozambique [9], Namibia [53], Niger [45], Senegal [1], South Africa [104], Uganda [11], Zambia [23].	573

Acronym	Museum Info	Nr
MWSU	**Midwestern State University, Dept. Biology, Wichita Falls** Contact: Frederick B. Stangl, Jr. (frederick.stangl@mwsu.edu) Bolin Hall - 3410 Taft Blvd Wichita Falls, Texas 76308 United States Regions covered by the institution's collection: Kenya [1], Mozambique [6].	7
MZS	**Musée zoologique de l'ULP (Université Louis Pasteur) et de la ville de Strasbourg** Contact: Marie-Dominique Wandhammer (mwandhammer@cus-strasbourg.net) 29 boulevard de la Victoire F-67076 Strasbourg France Website: http://www.musees.strasbourg.eu/index.php?page=musee-zoo Regions covered by the institution's collection: Tanzania [1].	1
MZUF	**Museo Zoologico de "la Specola", Firenze** Contact: Paolo Agnelli (paolo.agnelli@unifi.it) Via Romana 17 I-50125 Firenze Italy Website: http://www.msn.unifi.it Regions covered by the institution's collection: "Africa" [1], Angola [1], Cape Verde [7], Egypt [1], Eritrea [23], Ethiopia [9], Kenya [1], Madagascar [1], Somalia [71], South Africa [1].	116
MZUSP	**Museu de Zoologia da Universidade de São Paulo** Contact: Mario de Vivo (mdvivo@usp.br) Av. Nazaré, 481 04263-000 Ipiranga Brazil Website: http://www.mz.usp.br/?lang=en Regions covered by the institution's collection: "Africa" [7].	7
NAU	**Northern Arizona University (Museum of Vertebrates)** Contact: Tad Theimer (Tad.Theimer@nau.edu Tad.Theimer@nau.edu) 3101 N. Fort Valley Road Flagstaff, Arizona 86011 United States BOX 5640 Website: http://www.nau.edu Regions covered by the institution's collection: Kenya [10].	10

Acronym	Museum Info	Nr
NCSM	**North Carolina Museum of Natural Sciences** Contact: Benjamin Hess (benjamin.hess@naturalsciences.org) 11 West Jones Street Raleigh, North Carolina 27601 United States Website: http://naturalsciences.org/ Regions covered by the institution's collection: "Africa" [1].	1
NHMZ	**Natural History Museum of Zimbabwe, Bulawayo** Contact: Ms Tsitsi Maponga Leopold Takawira Avenue 1 - Centenary Park Bulawayo Zimbabwe PO.Box 240 Website: http://www.naturalhistorymuseumzimbabwe.com/ Regions covered by the institution's collection: "Africa" [44], Angola [4], Botswana [169], Ethiopia [1], Kenya [1], Malawi [21], Mozambique [94], Namibia [17], South Africa [25], Tanzania [1], Zambia [333], Zimbabwe [2044].	2754
NM	**Durban Natural Science Museum, Durban (Pringle Collection)** Contact: Durban South Africa Regions covered by the institution's collection: South Africa [13].	13
NMB	**National Museum of Bloemfontein** Afrikaans: Nasionale Museum Bloemfontein Contact: Nico Avenant (navenant@nasmus.co.za) 36 Aliwal Street 9301 Bloemfontein South Africa P.O. Box 266 - 9300 Bloemfontein Website: http://www.nasmus.co.za Regions covered by the institution's collection: "Africa" [2], Lesotho [108], South Africa [709], Swaziland [18].	837
NMBA	**Naturhistorisches Museum, Basel** Contact: Dr. Raffael Winkler; Dennis Vallan (raffael.winkler@bs.ch; denis.vallan@bs.ch) Augustinergasse, 2 CH-4001 Basel Switzerland Website: http://www.nmb.bs.ch Regions covered by the institution's collection: Angola [3], Congo (Democratic Republic of the) [2], Ghana [1], Guinea-Bissau [8].	14

Acronym	Museum Info	Nr
NMBE	**Naturhistorisches Museum, Bern** Contact: Paul Schmid (paul.schmid@nmbe.ch) Bernastrasse 15 CH-3005 Bern Switzerland Website: http://www.nmbe.ch/index.html Regions covered by the institution's collection: "Africa" [13], Sierra Leone [6], Tanzania [2].	21
NMK	**National Museum of Kenya, Nairobi** formerly Coryndon Museum Contact: Bernard Agwanda, Simon Musila or Ruth Makena (ben-risky@yahoo.co.uk, surnbirds@gmail.com, makeena2000@yahoo.com) Museum Hill Nairobi Kenya Website: http://www.museums.or.ke Regions covered by the institution's collection: "Africa" [1], Kenya [36], Tanzania [7], Uganda [2].	46
NMMB	**National Museum of Malawi** Contact: Blantyre Malawi Regions covered by the institution's collection: Malawi [33].	33
NMP	**National Museum (Natural History), Prague** Contact: Petr Benda (petr_benda@nm.cz) Václavské námestí 68 CZ-115 79 Prague Czech Republic Website: http://www.nm.cz/index.php?xSET=lang&xLANG=2 Regions covered by the institution's collection: Benin [9], Congo (Democratic Republic of the) [1], Egypt [67], Ethiopia [57], Ghana [1], Libya [55], Malawi [6], Mauritania [1], Morocco [77], Namibia [10], South Africa [2], Sudan [3], Tanzania [3], Zambia [4].	296
NMR	**Natuurhistorisch Museum Rotterdam** Contact: Westzeedijk 345 3015 AA Rotterdam Netherlands, The Website: http://www.hetnatuurhistorisch.nl/ Database: http://datasets.nlbif.nl/nmr/index.php?lang=nl Regions covered by the institution's collection: Egypt [1], Mauritius [1], Mozambique [1], Namibia [2].	5

Acronym	Museum Info	Nr
NMV	**Museums Victoria** Contact: Kevin Rowe VIC 3001 Melbourne Australia PO Box 666 Website: https://museumsvictoria.com.au/ Database: https://collections.museumvictoria.com.au/search?recordtype=specimen Regions covered by the institution's collection: Algeria [1], Cameroon [5], Egypt [1], Madagascar [5], Nigeria [1], Sudan [1].	14
NMW	**Naturhistorisches Museum, Wien** Contact: Frank Emmanuel Zachos (rank.zachos@nhm-wien.ac.at) Burgring 7 A-1010 Vienna Austria Website: http://www.nhm-wien.ac.at Database: http://www.nhm-wien.ac.at/forschung/1_zoologie_wirbeltiere/saugetier-brsammlung/datenbank Regions covered by the institution's collection: "Africa" [1], Comoros [2], Congo (Democratic Republic of the) [13], Egypt [6], Equatorial Guinea [2], Ethiopia [4], Ghana [22], Guinea [1], Kenya [2], Libya [30], Madagascar [5], Morocco [48], Mozambique [1], Namibia [3], Senegal [6], Sierra Leone [1], South Africa [10], South Sudan [19], Sudan [24], Tanzania [11], Uganda [1].	212
NMZL	**National Museum of Zambia, Livingstone** Contact: Clare Mateke (vcmateke@zamnet.zm) Mosi-oa-Tunya Rd Livingstone Zambia Website: http://www.museumszambia.org/index.php/our-museums/national-museums/livingstone-museum Regions covered by the institution's collection: Congo (Democratic Republic of the) [2], Malawi [8], Mozambique [1], Tanzania [2], Zambia [157].	170
NRM	**Naturhistoriska Riksmuseet Stockholm** Contact: Olavi Grönwall (olavi.gronwall@nrm.se) Frescativägen 40 Stockholm Sweden Website: http://www.nrm.se Regions covered by the institution's collection: Kenya [16], South Africa [5], Tunisia [2].	23

Acronym	Museum Info	Nr
OMNH	**Sam Noble Oklahoma Museum of Natural History** Contact: Janet K. Braun (jkbraun@ou.edu) 2401 Chautauqua Ave Norman, Oklahoma 73072-7029 United States Website: http://www.snomnh.ou.edu/ Database: http://vertnet.org/ Regions covered by the institution's collection: Egypt [113], Kenya [1], Uganda [1].	115
ORSTOM	**Laboratoire d'Ecologie des Mammiferes et des Oiseaux, Centre O.R.S.T.O.M. d'Adiopodoume** Contact: B.P. 20 Abidjan Côte d'Ivoire Regions covered by the institution's collection: "Africa" [10], Côte d'Ivoire [238].	248
OSU	**Oklahoma State University** Contact: Karen McBee (karen.mcbee@okstate.edu) 430 Life Sciences West Stillwater, Oklahoma 74078 United States Website: http://zoology.okstate.edu/ Regions covered by the institution's collection: Congo (Democratic Republic of the) [1], Ethiopia [7], South Africa [1].	9
PCMB	**Powell Cotton Museum** Contact: Birchington CT7 0BH United Kingdom Regions covered by the institution's collection: Cameroon [7].	7
PSM	**Slater Museum of Natural History, University of Puget Sound** Contact: Gary Shugart (gshugart@ups.edu) 1500 N. Warner St. - CMB 1088 Tacoma, Washington 98416-1088 United States Website: http://www.pugetsound.edu/academics/academic-resources/slater-museum/ Database: http://vertnet.org/ Regions covered by the institution's collection: Tanzania [1].	1

Acronym	Museum Info	Nr
QM	**Queensland Museum** Contact: Heather Janetzki (Heather.Janetzki@qm.qld.gov.au) Corner of Grey and Melbourne Streets South Brisbane Australia Website: http://www.qm.qld.gov.au/ Database: http://www.collections.qm.qld.gov.au/search.do?view=label&field-1=USER_SYM_110&bool-1=AND&keyword-1=Mammals Regions covered by the institution's collection: Côte d'Ivoire [1], Kenya [16], Namibia [5], Zambia [6].	28
RBINS	**Royal Belgian Institute for Natural Sciences** Dutch: Koninklijk Belgisch Instituut voor Natuurwetenschappen (KBIN) French: Institute Royal des Sciences naturelles de Belqiue, Bruxelles (IRSNB)French: Institut royal des Sciences naturelles de Belgique (IRSNB)German: Museum für Naturwissenschaften Contact: Georges Lenglet; Sébastien Bruaux; Tom Geerinckx (Georges.Lenglet@sciencesnaturelles.be, sbruaux@naturalsciences.be) Vautierstraat 29 B-1000 Brussels Belgium Website: http://www.naturalsciences.be/ Database: https://darwin.naturalsciences.be/ Regions covered by the institution's collection: "Africa" [4], Algeria [1], Angola [3], Burundi [53], Cameroon [2], Chad [1], Congo (Democratic Republic of the) [1687], Egypt [2], Guinea [1], Liberia [212], Libya [1], Madagascar [1], Rwanda [163], Senegal [26], South Africa [1], South Sudan [3], Sudan [2], Tanzania [25], Zambia [3].	2191
Rennes	**University of Rennes** Contact: Rennes France Website: http://www.univ-rennes1.fr/english/home Regions covered by the institution's collection: Central African Republic [1].	1

Acronym	Museum Info	Nr
RMCA	**Royal Museum of Central Africa** Dutch: Koninklijk Museum voor Midden-Afrika (KMMA)French: Muséum Royale d'Afrique Centrale (MRAC) Contact: Wim Wendelen (wim.wendelen@africamuseum.be) Leuvensesteenweg 13 B-3080 Tervuren Belgium Website: http://www.africamuseum.be/museum Regions covered by the institution's collection: "Africa" [31], Algeria [1], Angola [5], Benin [7], Burkina Faso [19], Burundi [332], Cameroon [2423], Central African Republic [5], Chad [4], Comoros [121], Congo (Democratic Republic of the) [7693], Côte d'Ivoire [554], Egypt [6], Equatorial Guinea [10], Ethiopia [3], Gabon [3], Ghana [9], Guinea-Bissau [9], Kenya [103], Liberia [91], Malawi [5], Mali [2], Morocco [55], Namibia [19], Niger [106], Rwanda [2669], Senegal [7], Seychelles [2], Sierra Leone [2], South Africa [5], Tanzania [118], Togo [4060], Tunisia [1], Uganda [29], Zambia [11], Zimbabwe [1].	18521
RMNH	**Naturalis - National Natuurhistorish Museum** formerly: Rijksmuseum voor Natuurlijke Historie Contact: Pepijn Kamminga; Steven van der Mije (pepijn.kamminga@naturalis.nl, steven.vandermije@naturalis.nl) Darwinweg 2 NL-2333 CR Leiden Netherlands, The P.O. Box 9517 - NL-2300 RA Leiden Website: http://www.naturalis.nl Database: http://bioportal.naturalis.nl/ Regions covered by the institution's collection: "Africa" [10], Algeria [3], Angola [7], Benin [44], Botswana [2], Burundi [1], Comoros [3], Congo [78], Congo (Democratic Republic of the) [42], Egypt [33], Eritrea [1], Ethiopia [5], Ghana [18], Kenya [652], Liberia [25], Madagascar [18], Malawi [2], Mauritius [7], Mayotte [3], Morocco [2], Mozambique [2], Nigeria [32], Réunion [1], Rwanda [1], São Tomé and Principé [1], Senegal [2], Seychelles [3], South Africa [7], Sudan [3], Tanzania [212].	1220
ROM	**Royal Ontario Museum, Toronto** Contact: Judith Eger (judithe@rom.on.ca) 100 Queen's Park Toronto, Ontario M5S 2C6 Canada Website: http://www.rom.on.ca/index.php Database: http://vertnet.org/ Regions covered by the institution's collection: "Africa" [2], Algeria [21], Benin [14], Botswana [121], Burkina Faso [55], Cameroon [2373], Côte d'Ivoire [84], Ethiopia [229], Gabon [2], Ghana [921], Kenya [5981], Madagascar [812], Malawi [44], Morocco [4], Mozambique [58], Namibia [9], Niger [52], Nigeria [236], Réunion [1], Sierra Leone [126], Somalia [1], South Africa [252], South Sudan [72], Sudan [210], Swaziland [63], Tanzania [291], Tunisia [2], Uganda [1044], Zambia [55], Zimbabwe [709].	13844

Acronym	Museum Info	Nr
SAMA	**South Australian Museum, Adelaide** Contact: Dr. Catherine Kemper (catherine.kemper@samuseum.sa.gov.au) North Terrace SA 5000 Adelaide Australia GPO Box 234 Adelaide, SA 5001 Website: http://www.samuseum.sa.gov.au Database: http://ozcam.org.au/ Regions covered by the institution's collection: Egypt [35], Kenya [3], Madagascar [1], South Sudan [1].	40
SAMC	**Iziko Museum, Cape Town** formerly: South African Museum Contact: Denise Hamerton (dhamerton@iziko.org.za) 25 Queen Victoria Street Cape Town South Africa Website: http://www.iziko.org.za Regions covered by the institution's collection: "Africa" [24], Mozambique [2], Namibia [2], South Africa [78], Zimbabwe [3].	109
SMF	**Senckenberg Museum, Frankfurt** Contact: Katrin Krohmann (Katrin.Krohmann@senckenberg.de) Senckenberganlage 25 D-60325 Frankfurt Germany Website: http://www.senckenberg.de/root/index.php?page_id=71&preview=true Database: http://sesam.senckenberg.de/page/index.htm Regions covered by the institution's collection: "Africa" [12], Algeria [17], Azores (Portugal) [1], Botswana [89], Burkina Faso [147], Burundi [76], Cameroon [75], Central African Republic [4], Chad [31], Comoros [1], Congo [226], Congo (Democratic Republic of the) [468], Côte d'Ivoire [270], Egypt [171], Equatorial Guinea [16], Eritrea [5], Ethiopia [399], Gabon [1], Ghana [41], Guinea [6], Kenya [997], Liberia [162], Libya [2], Madagascar [43], Malawi [27], Mali [9], Mauritius [9], Mayotte [1], Morocco [34], Mozambique [15], Namibia [29], Niger [26], Nigeria [129], Réunion [2], Rwanda [24], São Tomé and Principé [3], Saudi Arabia [1], Senegal [7], Seychelles [10], South Africa [51], South Sudan [6], Spain [1], Sudan [584], Tanzania [925], The Gambia [79], Togo [5], Tunisia [645], Uganda [20], Zambia [42], Zimbabwe [14].	5958
SMG	**Steve Goodman collectors number** Contact: Steve Goodman (sgoodman@fieldmuseum.org) Regions covered by the institution's collection: "Africa" [24], Madagascar [18].	42

Acronym	Museum Info	Nr
SMNS	**Staatliches Museum für Naturkunde, Stuttgart** Contact: Stefan Merker Schloss Rosenstein D-70191 Stuttgart Germany Website: http://www.naturkundemuseum-bw.de Regions covered by the institution's collection: "Africa" [1], Botswana [3], Cameroon [10], Congo (Democratic Republic of the) [2], Egypt [13], Eritrea [12], Ethiopia [35], Gabon [1], Ghana [1], Guinea [25], Kenya [4], Namibia [6], Nigeria [17], São Tomé and Principé [2], South Africa [7], South Sudan [82], Sudan [18], Tanzania [37], The Gambia [1], Togo [3], Zimbabwe [1].	281
SMTD	**Staatliches Museum für Tierkunde, Dresden** Contact: Dr. Clara Stefen (clara.stefen@snsd.smwk.sachsen.de) Königsbrücker Landstr. 159 D-0110 Dresden Germany Website: http://www.senckenberg.de/root/index.php?page_id=5255 Database: http://sesam.senckenberg.de/page/index.htm Regions covered by the institution's collection: Egypt [1], Malawi [1], São Tomé and Principé [1], Tanzania [1].	4
SMW	**State Museum, Windhoek** Contact: Regions covered by the institution's collection: "Africa" [1], Angola [8], Namibia [278].	287
SNP	**Skukuza National Park** Contact: Guin Zambatis (Guinz@sanparks.org) South Africa Regions covered by the institution's collection: South Africa [12].	12
SRSITE	**Null** Contact: Regions covered by the institution's collection: South Africa [1].	1
TAU	**Tel Aviv University** Contact: Tel Aviv Israel Regions covered by the institution's collection: Egypt [1].	1

Acronym	Museum Info	Nr
TM	**Ditsong National Museum of Natural History** formerly Transvaal Museum Contact: Teresa Kearney (kearney@ditsong.org.za) 432 Paul Kruger Street 0001 Pretoria South Africa P.O. Box 413 Website: http://www.ditsong.org.za/en/?venue=national-museum-of-natural-history Regions covered by the institution's collection: "Africa" [206], Botswana [37], Congo (Democratic Republic of the) [540], Ethiopia [2], Greece [1], Kenya [1], Lesotho [2], Madagascar [2], Malawi [57], Mozambique [171], Namibia [368], Somalia [6], South Africa [6572], Swaziland [116], Tanzania [28], Zambia [17], Zimbabwe [384].	8510
TTU	**Texas Tech University (The Museum)** Contact: Robert J. Baker; Heath J. Garner (heath.garner@ttu.edu, rjbaker@ttu.edu) 3301 W. 4th St. Lubbock, Texas 79409-3191 United States P.O. Box 43191 Website: http://www.depts.ttu.edu/museumttu Database: http://www.nsrl.ttu.edu/search/index.htm Regions covered by the institution's collection: Cameroon [93], Congo (Democratic Republic of the) [2], Egypt [4], Israel [1], Kenya [19], Mozambique [7], Niger [20], Somalia [5], South Africa [13], Tanzania [2], Tunisia [509], Zambia [17], Zimbabwe [1].	693
UA	**Département de Paléontologie et Anthropologie Biologique, Université d'Antananarivo** Contact: Antananarivo Madagascar Regions covered by the institution's collection: Madagascar [662].	662
UADBA	**Université d'Antananarivo, Departement de Biologie Animale, Antananarivo** Contact: Antananarivo Madagascar P.O. Box 906 Antananarivo Website: http://www.refer.mg/edu/minesup/antanana/sciences/bioa/lbpt/lbpt.htm Regions covered by the institution's collection: "Africa" [1], Madagascar [565], Réunion [29].	595

Acronym	Museum Info	Nr
UANK	**Ukrainian Academy of Science, Kiev** Contact: Kiev Ukraine Regions covered by the institution's collection: Algeria [2].	2
UCLA	**University of California, Los Angeles (Donald R. Dickey Bird and Mammal Collection)** Contact: Kathy C. Molina (kmolina@obee.ucla.edu) 621 Charles Young Dr. South Los Angeles, California 90095-1606 United States Website: http://www.eeb.ucla.edu/dickey/index.php Database: http://vertnet.org/ Regions covered by the institution's collection: Kenya [1].	1
UCM	**University of Colorado Museum of Natural History** CUMNH Mammal Collection Contact: Emily Braker (emily.braker@colorado.edu) 265 UCB, Bruce Curtis Building Boulder, Colorado 80309-0218 United States Website: http://www.colorado.edu/cumuseum/ Database: http://www.colorado.edu/cumuseum/research-collections/databases Regions covered by the institution's collection: Niger [15], Tunisia [5].	20
UCT	**South African Museum, Cape Town (University of Cape Town Collection Number)** Contact: Cape Town South Africa Regions covered by the institution's collection: "Africa" [1].	1
UMMZ	**University of Michigan, Museum of Zoology** Contact: Philip Myers (pmyers@umich.edu) 1109 Geddes Ave Ann Arbor, Michigan 48109-1079 United States Website: http://www.ummz.lsa.umich.edu Database: http://vertnet.org/ Regions covered by the institution's collection: Egypt [23], Kenya [1], Réunion [7].	31

Acronym	Museum Info	Nr
UMNG	**Université Marien Ngouabi** Formerly Université de Brazzaville Contact: Brazzaville Congo Regions covered by the institution's collection: Congo [7].	7
UNIKIS	**Université de Kisangani** Contact: Kisangani Congo (Democratic Republic of the) Regions covered by the institution's collection: Congo (Democratic Republic of the) [1036].	1036
UNSW	**Vertebrate Palaeontology Collection, University of New South Wales** Contact: Sydney Australia Regions covered by the institution's collection: "Africa" [1].	1
USNM	**United States National Museum** also: Smithsonian National Museum of Natural History Contact: Darrin P. Lunde (lunded@si.edu) 10th Street & Constitution Ave. NW Washington DC 20013-7012 United States P.O. Box 37012 Smithsonian Inst. Website: http://www.mnh.si.edu Database: http://vertebrates.si.edu/mammals/mammals_databases.html Regions covered by the institution's collection: "Africa" [18], Algeria [36], Angola [16], Azores (Portugal) [4], Benin [1004], Botswana [844], Burkina Faso [1141], Burundi [1], Cameroon [76], Cape Verde [2], Chad [18], Comoros [1], Congo (Democratic Republic of the) [201], Côte d'Ivoire [179], Djibouti [2], Egypt [1121], Equatorial Guinea [3], Eritrea [6], Ethiopia [301], Gabon [218], Ghana [3480], Guinea-Bissau [3], Kenya [1956], Lesotho [19], Liberia [127], Libya [3], Madagascar [620], Mauritania [424], Mauritius [2], Morocco [990], Mozambique [1060], Namibia [60], Niger [24], Nigeria [1490], Portugal [1], São Tomé and Principé [1], Senegal [719], Seychelles [14], Sierra Leone [403], Somalia [14], South Africa [829], South Sudan [839], Sudan [22], Tanzania [810], The Gambia [115], Togo [454], Tunisia [9], Uganda [133], Zambia [9], Zimbabwe [148].	19970

Acronym	Museum Info	Nr
UWBM	**Burke Memorial Washington State Museum, University of Washington** Contact: Jim Kenagy, Jeff Bradley (kenagy@u.washington.edu ,jebrad@u.washington.edu) UW campus at 17th Avenue NE and NE 45th St Seattle, Washington 98195-3010 United States P.O. Box 353010 Website: http://www.washington.edu/burkemuseum Database: http://vertnet.org/ Regions covered by the institution's collection: Kenya [8], Zambia [1].	9
UZMZ	**University of Zambia, Museum of Zoology** Contact: Lusaka Zambia Regions covered by the institution's collection: Zambia [74].	74
WAM	**Western Australian Museum** Contact: Kenny Travouillon (kenny.travouillon@museum.wa.gov.au) Kew street 49 WA 6106 Weshpool Australia Locked bag 49, Welshpool DC WA 9686 Website: http://museum.wa.gov.au/ Database: http://data.museum.wa.gov.au/dataset/terrestrial-zoology Regions covered by the institution's collection: Botswana [3], Egypt [4], Ghana [5], Kenya [84], Malawi [125], Mauritius [1], Nigeria [2], South Africa [10], Sudan [1], Tanzania [12], Uganda [1], Zambia [48].	296
WNMU	**Western New Mexico University (Department of Natural Sciences)** Contact: Randy Jennings (jenningsr@wnmu.edu) Harlan Hall 137, 1000 West College Silver City, New Mexico 88061 United States P.O. Box 680 Website: http://www.wnmu.edu Regions covered by the institution's collection: Congo (Democratic Republic of the) [1], Kenya [42], South Africa [14], Tunisia [1], Zimbabwe [4].	62

Acronym	Museum Info	Nr
YPM	**Yale Peabody Museum** Contact: Kristof Zyskowski (kristof.zyskowski@yale.edu) 170 Whitney Avenue New Haven, Connecticut 06511 United States P.O. Box 208118 (New Haven, CT 06520-8118) Website: http://www.peabody.yale.edu Database: http://vertnet.org/ Regions covered by the institution's collection: "Africa" [10], Angola [13], Cameroon [27], Egypt [75], Equatorial Guinea [2], Kenya [69], Liberia [7], Madagascar [12], South Africa [2], Tanzania [21], Zambia [2].	240
ZFMK	**Zoologisches Forschungsinstitut und Museum Alexander Koenig** Contact: Dr. Jan Decher (j.decher@zfmk.de) Adenauerallee 160 D-53113 Bonn Germany Website: http://www.museumkoenig.de Database: http://www.biodat.de/english/index2.html Regions covered by the institution's collection: "Africa" [2], Algeria [7], Botswana [11], Cameroon [100], Comoros [1], Congo (Democratic Republic of the) [3], Egypt [33], Equatorial Guinea [13], Ethiopia [53], Ghana [22], Guinea [76], Namibia [26], Nigeria [13], Senegal [33], Sierra Leone [1], South Africa [3], South Sudan [3], Sudan [5], Tanzania [82], Tunisia [9], Zambia [2].	498
ZIUE	**Zoologischen Institut der Universität Erlangen** Contact: Dr. Karl Herrmann (kherrman@biologie.uni-erlangen.de) Staudtstr. 5 91058 Erlangen Germany Regions covered by the institution's collection: South Sudan [1].	1
ZMA	**Zoologisch Museum, Amsterdam** Contact: Dr. R.W.R.J (Rene) Dekker [Director] (dekker@naturalis.nl) Mauritskade 61 NL-1092 AD Amsterdam Netherlands, The Regions covered by the institution's collection: "Africa" [82], Angola [1], Benin [55], Botswana [2], Burkina Faso [7], Cameroon [29], Canary Islands (Spain) [2], Central African Republic [1], Chad [45], Comoros [2], Congo [167], Congo (Democratic Republic of the) [78], Côte d'Ivoire [306], Egypt [18], Ethiopia [3], Gabon [309], Ghana [11], Guinea [138], Guinea-Bissau [2], Kenya [274], Liberia [2], Madagascar [9], Malawi [193], Mali [1], Mauritius [5], Morocco [3], Niger [2], Nigeria [265], Rwanda [26], Senegal [1], Seychelles [3], Sierra Leone [1], South Africa [223], South Sudan [4], Sudan [22], Tanzania [169], Tunisia [2], Uganda [38], Zimbabwe [8].	2509

Acronym	Museum Info	Nr
ZMB	**Museum für Naturkunde der Humboldt-Universität zu Berlin** Formerly: Zoologisches Museum zu Berlin Contact: Dr. Frieder Mayer (frieder.mayer@museum.hu-berlin.de) Invalidenstrasse 43 D-10115 Berlin Germany Website: http://www.naturkundemuseum-berlin.de/ Database: http://www.gbif.org Regions covered by the institution's collection: "Africa" [60], Algeria [26], Angola [50], Benin [2], Burundi [2], Cameroon [254], Central African Republic [10], Chad [2], Comoros [26], Congo [2], Congo (Democratic Republic of the) [20], Côte d'Ivoire [2], Djibouti [1], Egypt [86], Equatorial Guinea [13], Eritrea [8], Ethiopia [38], France [1], Gabon [12], Ghana [47], Guinea [7], Guinea-Bissau [2], Italy [1], Kenya [52], Liberia [4], Madagascar [60], Mauritius [11], Mayotte [2], Morocco [7], Mozambique [44], Namibia [41], Nigeria [6], Réunion [7], Rwanda [19], São Tomé and Principé [7], Senegal [56], Seychelles [2], Somalia [58], South Africa [33], South Sudan [18], Sudan [21], Tanzania [318], Togo [49], Tunisia [106], Uganda [22].	1617
ZMH	**Zoologisches Institut und Zoologisches Museum, Hamburg** Contact: Prof. Dr. Thomas M. Kaiser (Thomas.Kaiser@uni-hamburg.de) Martin-Luther-King-Platz 3 D-20146 Hamburg Germany Website: https://www.cenak.uni-hamburg.de/ausstellungen/museum-zoologie.html Regions covered by the institution's collection: "Africa" [2], Algeria [11], Cameroon [7], Chad [1], Congo (Democratic Republic of the) [3], Egypt [4], Gabon [1], Mozambique [1], Namibia [3], Sierra Leone [1], Tanzania [2].	36
ZMMU	**Zoological Museum Moscow University** Contact: Dr. Sergei Vadimovich Kruskop (kruskop@zmmu.msu.ru) Ul. Bol'shaya Nikitskaya 6 125009 Moscow Russia Website: http://zmmu.msu.ru/en Regions covered by the institution's collection: Congo (Democratic Republic of the) [2], Ethiopia [129], Tanzania [1].	132

Acronym	Museum Info	Nr
ZMUC	**Zoologisk Museum Universitet, Copenhagen** also: Natural History Museum of DenmarkMuseum of Natural History of Denmark (MNHD) Contact: Daniel Klingberg Johansson (DKJohansson@snm.ku.dk) Universitetsparken 15 DK-2100 Copenhagen Denmark Website: http://zoologi.snm.ku.dk/english/ Database: http://www.zmuc.dk/CommonWeb/research/biodata.htm Regions covered by the institution's collection: "Africa" [15], Congo (Democratic Republic of the) [3], Egypt [1], Kenya [1], Mali [8], Nigeria [2], South Sudan [37], Sudan [1], Tanzania [37].	105
ZMUI	**Zoology Museum of the University of Ibadan** Contact: Regions covered by the institution's collection: Nigeria [18].	18
ZMZ	**Zoologisches Museum der Universität, Zurich** also: Zoological Museum of the University of Zurich Contact: Dr. Barbara Oberholzer (b.oberholzer@zm.uzh.ch) Karl Schmid-Strasse 4 CH-8006 Zurich Switzerland Website: http://www.zm.uzh.ch Regions covered by the institution's collection: Congo (Democratic Republic of the) [11], Rwanda [13], Tanzania [8].	32

Appendix 2b: Voucher Specimen Details

This list gives an overview of all of the voucher specimens examined by the various contributors or for which information was found in the literature.

The taxa are presented in the same order as the main text and appendix 1. In each taxon, the specimens are alphabetically order according to their country of origin, locality, museum and museum number.

To stand out, the type specimens are explicitly mentioned with the name they were assigned by their original descriptor, and a colour code has been used to indicate the category of type:
RED: Holotype, Lectotype, Neotype, Syntype, Type
BLUE: Cotype, Paralectotype, Paratype
GREEN: Allotype, Genotype, Topotype
(for details on the definition of these types, see the Glossary).

We hope this list might contribute to a more efficient use of the available voucher specimens. See Russo *et al.* (2017) for a discussion on the collection of voucher specimens for bat research, and who state (p. 242): "many studies requiring the examination of preserved specimens might successfully rely on what is already available in museums worldwide", as well as "Improving networking among museums and public access to collection databases (including those in minor institutions) would help us reach this goal without collecting further material when this is not necessary."

Warning:
As some of the information used to compile the following appendices was taken from online published catalogs (e.g. http://manisnet.org/portals.html), we are aware that some erroneous identifications might still be present. E.g. prior to the 2014 issue, a large number of specimens was reported as belonging to *Scotophilus nigrita* (Schreber, 1774). Discussions with fellow researchers (i.c. Peter Vallo) helped us to correct these identifications to *Scotophilus dinganii* (Smith, 1833). However, we believe that still quite a number of errors are included. We therefore are open for any suggestions on correcting the identifications or any other errors that might still be present.

CHIROPTERA Blumenbach, 1779

"Africa":
Unknown locality: **BMNH**: 1888.5.19.3, 1922.12.17.93, 1935.1.6.28, 1954.1015, 1975.2149; **DNSM**: 7022; **HZM**: 1.3199, 1.7072, 1.892, 10.4066, 11.4067, 2.1007, 2.3200, 3.1008, 3.15110, 3.2067, 4.1009, 4.2950, 4.4375, 5.11409, 5.11469, 5.18256, 5.2951, 6.25191, 6.3776, 7.25192, 7.3777, 8.25193, 8.4064, 9.25194, 9.4065; **KM**: 2031, 2234, 2436, 2501, 2502, 31383; **MMK**: MAM/2242_b, MAM/2245, MAM/2258, MAM/2261, MAM/2317; **RMCA**: 90.010-M-0004; **SAMC**: 17075, 17077, 17078, 19145B, 34216, 7196, 7197; **SMF**: 91007; **SMG**: 15754, 15755, 15756, 15760, 15765, 15766, 15767, 15768, 15769, 15770, 15771, 15772, 15773, 15774, 15775, 15776, 15777, 15778, 15779, 15780, 15781, 15782, 15783, 15784; **TM**: 32493a, LC-01/04/08/2005, LC-01/08/10/2005, LC-01/17/05/2005, LC-02/04/08/2005; **UCT**: 5/8/1966; **YPM**: MAM 005848; **ZMB**: 16363, 2792a, 2792b, 2946, 5265a (Syntype *Mormopterus setiger*), 5265b (Syntype *Mormopterus setiger*), 85537, 85539 - "Lobito Voay": **SAMC**: 14421A.

Algeria:
Algiers (36 45 47 N 03 03 02 E, 0 m): **ZMB**: 74753.

Cameroon:
Unknown locality: **YPM**: MAM 014899 - Victoria (04 00 36 N 09 09 36 E): **ZMB**: 39791.

Central African Republic:
Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 269927.

Congo (Democratic Republic of the):
Unknown locality: **UNIKIS**: CH1085, CH1086, CH1087, CH1088, CH1090, CH1091, CH1092, CH1093, CH1095, CH1096, CH1098, CH2000, CH2001, CH2002, CH2003, CH2004, CH2006, CH2007, CH2008, CH2009, CH2010, CH2011, CH2012, CH2013, CH2014, CH2015, CH2016, CH2017, CH2019, CH2020, CH2022, CH2023, CH2024, CH2025, CH2026, CH2027, CH2028, CH2030, CH2031, CH2032, CHYO106, CHYO107, CHYO108, CHYO109, CHYO110, CHYO111, CHYO112, CHYO113, CHYO114, CHYO115, CHYO116, CR09-828, CR09-839, CR09-842, CR09-845, CR09-863, CRT813/G72, CRT815/GE67 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 34161 - Bolobo (02 09 00 S 16 14 00 E): **RMCA**: 26912 - Bukavu (02 30 30 S 28 51 39 E, 1498 m): **RMCA**: 82.001-M-0020 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 14904 - Dilolo (10 28 00 S 22 28 00 E, 1069 m): **RMCA**: 18230 - Funda Biabo (09 50 00 S 25 33 00 E, 693 m): **RMCA**: 5396 - Kibwe Lya Mikako cave (00 14 42 S 29 01 00 E, 1500 m): **RMCA**: 35172 - Kikwit (05 03 44 S 18 52 38 E, 438 m): **RMCA**: 97.021-M-1175 - Kikwit (05 03 44S 18 52 38 E, 438 m): **UNIKIS**: KKT2845 - Kilo [mines] (0149N 3014E, 1466m): **RMCA**: 1867 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 80958, 80959, 80960 - N'Gombe (06 35 00 S 20 42 00 E, 528 m): **RMCA**: 16444 - Ngula (04 45 00 S 18 11 00 E, 549 m): **RMCA**: 77.021-M-0019, 77.021-M-0020, 77.021-M-0021, 77.021-M-0022 - Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL510, RBTL512 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7120, 7170, 7173 - St. Jos

(mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86139 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 16442 - Tshuapa district (00 13 S 20 52 E): **RMCA**: 34170 - Yoko (00 17 N 25 17 E): **UNIKIS**: LK01, LK03, LK04.

Côte d'Ivoire:

Lamto (06 12 00 N 05 02 00 W): **RMCA**: 97.077-M-3134, 97.077-M-3135, 97.077-M-3136, 97.077-M-3139, 97.077-M-3140, 97.077-M-3141.

Egypt:

Unknown locality: **YPM**: MAM 005964 - Gizeh (30 05 10 N 31 12 44 E, 17 m): **OMNH**: 11193, 11194 - Helvan [=Helwan] (29 51 N 31 20 E, 71 m): **ZMB**: 5353.

Gabon:

Ogewa: **ZMB**: T09673.

Kenya:

Unknown locality: **RMNH**: MAM.52741 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 71438, 71439, 71440, 71441, 71442, 71443, 71444, 71445, 71446, 71447, 71448, 71449, 71450, 71451, 71452, 71453, 71454, 71455, 71456, 71457, 71458 - Kampiva Samdet, near (0038N 3617E): **YPM**: MAM 003110 - Malindi, 30 mi N (0246S 4008E): **BMNH**: 1975.2595 - Namanga, near (ca. 023300S 364700E): **AMNH**: 184461.

Liberia:

Tapeta (062932N 085137W, 275 m): **YPM**: MAM 011292, MAM 011293, MAM 011294, MAM 011295, MAM 011296, MAM 011297.

Madagascar:

Tuléar (ca. 2322S 4340E): **ZMB**: T10492.

Malawi:

Unknown locality: **BMNH**: 1987.1131, 1987.1137, 1987.1138.

Mauritius:

Unknown locality: **ZMB**: 4921, 67222.

Senegal:

Ndoro: **ZMB**: T10300.

Somalia:

Barawa (010600N 440300E): **ZMB**: 4666 - Mogadischu [=Mogadishiu =Moqdisho] (0204N 4522E): **ZMB**: T10218.

South Africa:

Unknown locality: **SRSITE**: 75/4/96 - Bergplaas (335300S 224000E): **SAMC**: 38560 - Cape Division: **SAMC**: 37381 - Cape Town (33 55 00 S 18 25 00 E, 6 m): **MCZ**: 4553 - De Hoek (32.25S 25.75E): **SAMC**: 38558 - Doornsloot (2401S 2822E, ca. 1301 m): **NHMZ**: (M_wel) - Farm Waterval (2552.506S 3018.164E): **TM**: 43232 - Ngwenya Lodge (25 22 37 S 31 51 32 E): **TM**: 46060 - Port St. Johns (3138S 2933E): **SAMC**: 5449 - Tembe Elephant Park (27 02 36 S 32 25 23 E, 84 m): **TM**: TEMBE 2b.

Tanzania:

Unknown locality: **MCZ**: 4560; **RMCA**: a4.036-M-0530 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **RMCA**: a4.036-M-0507, a4.036-M-0512, a4.036-M-0513 - Amani Chemka (05 06 00 S 38 38 00 E): **RMCA**: a4.036-M-0509, a4.036-M-0510 - Mikindani (10 17 S 40 07 E, 17 m): **ZMB**: T10003 - Morningside (06 53 00 S 37 04 00 E, 4000 ft): **RMCA**: a4.036-M-0501, a4.036-M-0502, a4.036-M-0503 - Morogoro (06 48 S 37 40 E, 560 m): **RMCA**: a4.036-M-0504, a4.036-M-0505, a4.036-M-0508, a4.036-M-0514 - Msongozi (07 04 S 39 20 E): **RMCA**: a4.036-M-0506 - Nangoma cave? (ca. 0929S 3531E): **ZMB**: T10195.

Togo:

Unknown locality: **RMCA**: 73.054-M-2181, 73.054-M-2182, 73.054-M-2183, 73.054-M-2184, 73.054-M-2185, 73.054-M-2186, 73.054-M-2187, 73.054-M-2188, 73.054-M-2189.

Uganda:

Maramagambo Forest (003300S 295300E): **AMNH**: 269613, 269614, 269817.

Zambia:

Musende Show (08 46 00 S 31 06 00 E): **RMCA**: 35416.

Zimbabwe:

Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 88418.

PTEROPODIDAE Gray, 1821

Burkina Faso:

Ouagadougou (12 22 13 N 01 31 29 W, 305 m): **MNHN**: ZM-MO-1982-954.

Central African Republic:

N'Délé (08 24 39 N 20 38 50 E): **MNHN**: ZM-2007-93.

Gabon:

Sette Cama (023200S 094500E, 0 m): **MNHN**: ZM-AC-I-405.

Ghana:

Unknown locality: **CUMV**: 18445.

Kenya:

Unknown locality: **BMNH**: 1975.1228_1, 1975.1228_2, 1986.1820_2 - Galana River (ca. 03 20 S 39 20 E): **MSU**: MR.6158.

Madagascar:

Ambre, mount (1231S 4910E, 1000 m): **MNHN**: ZM-MO-1984-1165.

Senegal:

Unknown locality: **MNHN**: ZM-AC-I-378.

Eidolon dupreanum (Schegel, 1867)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1946-76AC, ZM-MO-1976-5, ZM-MO-1976-9.

Madagascar:

Unknown locality: **AMNH**: 100501, 100502, 165025, 165026; **BMNH**: 1897.9.1.30, 1935.1.8.187, 1987.162; **FMNH**: 169701, 169702, 221298, 74197; **MCZ**: 45069, 45070, 45071, 45072, 45074, 45913; **MNHN**: ZM-MO-1975-1119, ZM-MO-1975-818, ZM-MO-1976-11, ZM-MO-1983-1259; **RBINS**: 179; **UADBA**: 43755; **ZMB**: 5208, 67033 - Amboasary (2) (2126S 4730E, 492 m): **FMNH**: 5648 - Ambovombe (2510S 4605E, 135 m): **MCZ**: 45584 - Amorontsanga: **AMNH**: 100494 - Ampijoroa (1618S 4649E): **MNHN**: ZM-MO-1975-816 - Ampotaka: **AMNH**: 100486, 100488; **BMNH**: 1935.1.8.185, 1935.1.8.186; **MNHN**: ZM-MO-1932-3397, ZM-MO-1932-3399 - Andrahaha Cave: **ZMB**: 187 - Andrahomana cave (2511S 4640E): **MCZ**: 45421, 45422, 45423 - Andrahomana cave (ca. 2511S 4640E): **MCZ**: 45065, 45066, 45067 - Anibohimasina: **MCZ**: 45064 - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], OLD SE deposit (ca. 1532S 4653E): **UA**: 8995, 8996, 8997, 8998, 8999, 9000, 9001, 9002, 9003, 9004, 9005, 9006, 9007, 9008 - Anjozorobe, 13 km SE (ca. 18 29 45 S 47 56 43 E): **NMV**: C1704 - Ankarana-NP, Bat Cave: **HNHM**: 2005.39.1 - Ankavandra, near (18 46 S 45 18 E, 119 m): **MCZ**: 45073 - Anorontsanga: **BMNH**: 1935.1.8.182, 1935.1.8.183, 1935.1.8.184 - Anorotsangana (13 54 55 S 47 55 19 E, 0 m): **MNHN**: ZM-MO-1932-3401, ZM-MO-1932-3402 - Antanarivo [= Tananarive] (1855S 4731E): **ROM**: 41972, 41974 - east coast of Madagascar: **MCZ**: 45068 - Fianarantsoa, 18 km SW (2127S 4705E, 1128 m): **ROM**: 42471, 42472, 42473, 42474, 42475, 42476 - Fianarantsoa[, Fianarantsoa province] (2127S 4705E): **ZMB**: 58208 - Fort Dauphin, near (ca. 250200S 470000E): **MCZ**: 45746, 45747 - Grotte du troisième canyon (12 54 51 S 49 03 20 E, 50m): **FMNH**: 221295, 221296, 221297, 221299; **UADBA**: 32975, 32976, 32977, 32978, 32979 - Ihosy, 30 km N (22 23 S 46 09 E): **ROM**: 42718 - Itambelo: **BMNH**: 1897.9.1.31 - Ivohibe: **AMNH**: 100493, 100495, 100496, 100498; **BMNH**: 1935.1.8.181; **MNHN**: ZM-MO-1932-3395, ZM-MO-1932-3396, ZM-MO-1932-3398, ZM-MO-1932-3403, ZM-MO-1932-3405 - Mahafaly (ca. 24 30 S 44 30 E): **MNHN**: ZM-MO-1976-1 - Mistinjo (1962 m): **MNHN**: ZM-MO-1962-2624, ZM-MO-1962-2626, ZM-MO-1962-2627 - Mongakatompo (19 20 S 47 26 E): **MNHN**: ZM-MO-1932-3400, ZM-MO-1932-3404 - Monjakatompo (1920S 4726E): **AMNH**: 100485, 100840 - Namoroka (162400S 451700E): **AMNH**: 10051 - Namoroka (162400S 451700E, 80 m): **MNHN**: ZM-MO-1932-3394 - Nossi-Be (132000S 481500E): **RMNH**: MAM.37230 - on Onilahy river, Androbaha cave [=Grotte d'Androbaha]: **ZMB**: 54432, 54783, 67034, 67035, 67036, T09514 - Palace Rock (1903S 4729E, 1340 m): **ROM**: 41973 - Ranohira, 3.8 km NW (22 32 24 S 45 22 48 E): **FMNH**: 218013 - Tsiandro: **AMNH**: 100489.

Eidolon helvum (Kerr, 1792)

"Africa":

Unknown locality: **AMS**: M.29667; **MCZ**: 2549, BOM-640; **MNHN**: ZM-2008-97, ZM-2008-98, ZM-2008-99, ZM-MO-1886-133, ZM-MO-1975-780, ZM-MO-1975-781, ZM-MO-1975-782, ZM-MO-1975-812, ZM-MO-1975-815, ZM-MO-2000-148, ZM-MO-2000-149; **NMB**: 852; **ORSTOM**: A2074, AX0106, AX0179; **RMCA**: b2.018-M-0262, b2.018-M-0263, b2.018-M-0264, b2.018-M-0265, b2.018-M-0329, b2.018-M-0330; **RMNH**: MAM.27267; **ZMA**: MAM.16561, MAM.16667; **ZMB**: 54433, 6596 - Bornili an the Amwini river: **ZMB**: 54596, 54599 - Congo: **BMNH**: 1916.5.15.3, 1916.5.15.4, 1927.3.1.48 - Eastern Africa: **ZMB**: 3651 - Kha Principé: **ZMB**: 3467 - Kimpoko: **ZMB**: 88338 - Niamniam: **ZMB**: 7426 - Ternata: **ZMB**: 2634 - Ukondjo: **ZMB**: 10236 - West Africa: **FMNH**: 156.

Angola:

Benguela (12 34 42 S 13 24 26 E, 39 m): **ZMB**: 4239 - Canzele (08.38S 15.13E): **FMNH**: 81729 - Chinchoxo (ca. 0504S 1202E): **ZMB**: 10209, 10210, 10211, 5224 - Dundo (0722S 2050E, 726m): **MDL**: 3422 - Litambo (1450S 1717E): **ZMB**: 19971, 19973, 19975, 19977, 19979 - Santo Antonlodo Zalre [= Soyo] (06.12S 12.35E): **CZL**: 1900014.

Benin:

"Dahomey": **BMNH**: 1844.7.4.20, 1852.2.22.1 - Kpodave (06 49 N 01 46 E): **USNM**: 438859, 438860, 438861, 438862, 438863, 438864, 438865, 438866, 438867, 438868, 438869 - Soubroukou (0941N 0138E): **USNM**: 438857, 438858 - Tourou (0921N 0233E, 311 m): **USNM**: 421266, 421267, 421268, 421269, 421270, 421271, 421272, 421273, 421274, 421275, 421276, 421277, 421278, 421279, 421280, 421281, 421282, 421283, 421284, 421285, 421286, 421287, 421288, 421289, 421290, 421291, 421292, 421293, 421294, 421295, 421296, 421297, 421298, 421299, 421300, 421301, 421302, 421303, 478560, 478564.

Burkina Faso:

Fô (11 53 N 04 31 W, 453 m): **USNM**: 467916, 467917 - Kadiogo province: **SMF**: 60901 - Koutoura, 5 km SW (1019N 0453W): **USNM**: 467918 - Séno province: **SMF**: 60900 - Sideradougou (1040N 0415W): **USNM**: 467919, 467920.

Burundi:

Buhoro (02 41 55 S 29 11 08 E, 1453 m): **MHNG**: 1498.003, 1498.004, 1498.005, 1498.006, 1498.007, 1498.008, 1498.009, 1498.010 - Bujumbura (03 23 00 S 29 22 00 E, 794 m): **MHNG**: 1498.011, 1498.012, 1498.031, 1498.032; **RBINS**: 19908; **RMCA**: 82.023-M-0001, 82.023-M-0002 - Kayanza (025520S 293720E, 1957 m): **SMF**: 57500, 57501, 57502 - Mabaye (=Mabayi) (02 42 30 S 29 14 35 E, 1436 m): **MHNG**: 1498.013, 1498.014, 1498.015, 1498.016, 1498.017, 1498.018, 1498.019, 1498.020, 1498.021, 1498.022, 1498.023, 1498.024, 1498.025, 1498.026, 1498.027, 1498.028, 1498.029, 1498.030.

Cameroon:

Unknown locality: **MNHN**: ZM-MO-1975-809, ZM-MO-1975-810, ZM-MO-1975-832, ZM-MO-1975-833; **SMF**: 68252, 68253; **ZMB**: 5022, 54318, 67045 - Bafia area (0445N 11E): **ZMB**: 31487 - Bamenda (0555N 1009E): **ZMB**: 66524 - Bana (0509N 1016E): **ZMB**: 67030 - Banjun: **ZMB**: 67154, T09983 - Basho (0608N 0926E): **ZMB**: 67031, 67032 - Batanga: **CM**: 2303 - Bimbia (03 57 16 N 09 14 42 E, 98 m): **ZMB**: 54674, 67046, 67144, 67145, 93797, 93798, 93799, 93800, 93801 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 10202, 67142, 67143 - Bitye (03 01 00 N 12 22 00 E, 616 m): **RMCA**: 2625 - Buéa (04 09 34 N 09 14 12 E, 1850 m): **ZMB**: 10203, 10204 - Dokoa (04 22 00 N 11 44 00 E, 469 m): **RMCA**: 73.029-M-0046, 73.029-M-0047 - Douala (04 02 49 N 09 42 30 E, 0 m): **SMF**: 5383 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **FMNH**: 74227, 74228, 74229, 74230, 74231, 74232, 74233 - Edéa (0348N 1014E): **FMNH**: 24247 - Ekongolo Sanaga (04 21 00 N 11 41 00 E): **RMCA**: 33504 - Eseka (033900N 104600E): **RMCA**: 75.003-M-0131 - Eseka (0339N 1046E): **AMNH**: 326280; **CM**: 40990 - Eyen Meyong (04 11 00 N 11 13 00 E, 484 m): **RMCA**: 74.009-M-0005, 74.009-M-0006 - Garoua (09 18 00 N 13 24 00 E, 165 m): **RMCA**: 73.016-M-0288, 73.016-M-0289, 73.016-M-0290, 73.016-M-0389, 73.016-M-0390, 73.016-M-0391, 73.016-M-0392, 73.016-M-0393, 73.016-M-0394, 73.016-M-0395, 73.016-M-0396, 73.016-M-0397, 73.016-M-0398, 73.016-M-0399, 73.016-M-0400, 73.016-M-0401, 73.016-M-0402, 73.016-M-0403, 73.016-M-0404, 73.016-M-0405, 73.016-M-0406, 73.016-M-0407, 73.016-M-0408, 73.016-M-0409, 73.016-M-0410, 73.016-M-0411 - Great Soppo (0409N 0912E): **FMNH**: 106556, 106557, 106558 - Huki: **ZMB**: 6943 - Isongo (040444N 090126E): **ZMH**: 40001 - Koza (10 52 08 N 13 52 51 E, 485 m): **RMCA**: 75.003-M-0025, 75.003-M-

0026, 75.003-M-0027, 75.003-M-0028, 75.003-M-0029, 75.003-M-0030, 75.003-M-0031, 75.003-M-0032, 75.003-M-0033 - Kribi (025700N 095500E): **CM**: 5158; **ZMH**: 38192 - Kumba (04 38 38 N 09 26 19 E, 257 m): **USNM**: 511909 - Lolodorf (031400N 104400E): **CM**: 16059 - Mamfe (05 46 00 N 09 17 00 E, 459 m): **ZMB**: 67044 - Metet (0326N 1143E): **MCZ**: 14779, 14780, 14781, 14782, 14784, 14785, 14786, 14787, 14788, 14789 - Moba [stream] (0247N 1430E): **ZMB**: 54703 - Nachtigal (04 21 00 N 11 38 00 E, 454 m): **RMCA**: 73.029-M-0092 - Nkoélon village (02 23.831 N 10 02.691 E): **MNHN**: ZM-2011-638, ZM-2011-639 - Obala, 6 km E (by road) (ca. 04 10 N 11 32 E): **MVZ**: 196217, 196218, 196219 - Ossidinge [=Mamfe] (05 47 N 09 18 E, 133 m): **ZMB**: 54588, 54598, 54601a, 54602, 54693, 54702, 54935, 54939 - Pont Rouge (10 35 47.7 N 14 18 54.1 E, 402 m): **LZUM**: BFEM 112 - Sakbayeme, Masok (0402N 1034E): **FMNH**: 43563, 43564, 43565, 43566, 43567, 43568, 43569, 43570 - Sangmelima (0256N 1159E, 782 m): **ZMB**: 18369 - Victoria (04 00 36 N 09 09 36 E): **BMNH**: 1936.10.30.1, 1936.10.30.2; **ZMB**: 54523, 54524, 54597, 54657, 54675, 54692, 54940, 67136, 67140, 67141, 92839 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0726, 73.016-M-0099, 73.017-M-0357, 73.017-M-0358, 73.017-M-0359, 73.017-M-0363, 73.017-M-0368 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0700, 73.015-M-0701, 73.015-M-0702, 73.015-M-0703, 73.015-M-0704, 73.015-M-0705, 73.015-M-0706, 73.015-M-0707, 73.015-M-0708, 73.015-M-0709, 73.015-M-0710, 73.015-M-0711, 73.015-M-0712, 73.015-M-0713, 73.015-M-0714, 73.015-M-0715, 73.015-M-0716, 73.015-M-0717, 73.015-M-0718, 73.015-M-0719, 73.015-M-0720, 73.015-M-0721, 73.015-M-0722, 73.015-M-0723, 73.015-M-0724, 73.015-M-0725, 73.016-M-0100, 73.016-M-0101, 73.016-M-0102, 73.016-M-0103, 73.016-M-0104, 73.016-M-0105, 73.016-M-0106, 73.016-M-0107, 73.016-M-0108, 73.016-M-0291, 73.016-M-0292, 73.016-M-0293, 73.016-M-0412, 73.016-M-0413, 73.017-M-0360, 73.017-M-0361, 73.017-M-0362, 73.017-M-0364, 73.017-M-0365, 73.017-M-0366, 73.017-M-0367, 73.017-M-0369, 73.017-M-0370 - Yagoua or Waza (11 00 00 N 15 00 00 E): **RMCA**: 73.016-M-0294, 73.016-M-0295, 73.016-M-0414, 73.016-M-0415 - Yaounde (0352N 1131E, 1025 m): **ZMB**: 10218.

Central African Republic:

Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-2011-684 - Boukoko (035400N 175600E): **MNHN**: ZM-MO-1975-813 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1975-783, ZM-MO-1975-817, ZM-MO-1984-252, ZM-MO-1984-253.

Chad:

Unknown locality: **SMF**: 6284, 6285, 6286 - Fort Lamy (120647N 150257E): **RBINS**: 12652 - Melfi Mountains: **SMF**: 6354, 6355.

Congo:

Dinguembo (03 47 30 S 11 55 35 E): **ZMA**: MAM.15529, MAM.15530, MAM.15531 - Méya cave (03 53 16 S 14 31 19 E): **MNHN**: ZM-MO-1983-1376, ZM-MO-1983-1377.

Congo (Democratic Republic of the):

Unknown locality: **RBINS**: 181E, 6278, 9225, 9226, 9227, 9228; **RMCA**: 15774, 15775, 21690, 23402, 23403, 27196b - Avakubi (01 19 00 N 27 33 00 E, 589 m): **KU**: 125194; **RMCA**: 12371, 12372, 12375 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 15867, 15868, 18236 - Bokalakala (020800S 162200E, 252 m): **RMCA**: 27946, 28541 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 20394, 20395, 20396 - Bokungu (004100S 221900E, 402 m): **RMCA**: 18816, 6414b - Bolobo (02 09 00 S 16 14 00 E): **RMCA**: 27276, 27277, 27278, 27416a - Boma (0551S 1303E, 61 m): **RMCA**: 16184 - Bomane (01 18 N 23 47 E, 429 m): **UNIKIS**: CRT2279 - Bukavu (02 30 30 S 28 51 39 E, 1498 m): **RMCA**: 23174, 23175, 23176 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 10127, 10128, 10129, 10130, 10131, 13697, 14943, 14944, 14945, 18838, 18839, 18840, 18841 - Butembo (0009N 2917E, 1381 m): **RMCA**: 22812, 23135, 23313, 23404, 23448, 23551, 23552, 23554, 23555, 23556, 23557, 23558, 23677, 23678, 23679, 23680, 23681a, 23681b, 23682, 23683, 23684, 23685, 23686, 23687, 23688, 23689, 23739, 26421, 26422, 27480, 27488, 27494, 28321 - Dilolo (10 28 00 S 22 28 00 E, 1069 m): **RMCA**: 12024 - Dimbelenge (05 33 00 S 23 07 00 E, 682 m): **RMCA**: 80.042-M-0001, 80.042-M-0002, 80.042-M-0003, 80.042-M-0004 - Eala (00 04 00 N 18 17 00 E, 301 m): **RMCA**: 6523 - Eidolon land (ca. 10 30 S 27 30 E): **MNHN**: ZM-2011-714, ZM-2011-715, ZM-2011-716, ZM-2011-717, ZM-2011-718, ZM-2011-719, ZM-2011-720, ZM-2011-721, ZM-2011-722, ZM-2011-723, ZM-2011-724, ZM-2011-725 - Equateur province: **RMCA**: 38240 - Goma (01 40 45 S 29 13 22 E, 1499 m): **ZMA**: MAM.24139 - Ibembo (0238N 2337E, 420 m): **RMCA**: 19700, 19701, 19702, 20660, 4919, 4925, 4930, 4931, 4936, 4941a, 7641 - Ikengo (00 08 00 S 18 08 00 E, 301 m): **RMCA**: 6512 - Inkongo (04 53 00 S 23 18 00 E, 400 m): **RMCA**: 6307, 6308 - Irebu (00 37 S 17 45 E): **USNM**: A49408 - Isato (03 18 N 18 39 E, 323 m): **RBINS**: 13110, 7716, 7717 - Ituri Forest (01 00 00 N 29 16 00 E): **BMNH**: 1907.1.2.8 - Iyonda (00 02 00 S 18 12 00 E): **RMCA**: 21773 - Kabambaie (river) (05 44 00 S 20 49 00 E): **RMCA**: 6507, 6508 - Kabobo, mount (05 04 00 S 29 00 00 E, 2440 m): **RMCA**: 27113 - Kakanda cave (104700S 263600E, 1438 m): **RMCA**: 34247, 34248, 34249 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 33295 - Kasende (05 56 56 S 22 32 18 E, 619 m): **MCZ**: 31737 - Katanga (ca. 10 00 S 27 30 E): **RMCA**: 425b - Keseki (02 07 00 S 16 32 00 E, 308 m): **RMCA**: 17399, 17401 - Kikwit (05 03 44 S 18 52 38 E, 438 m): **TM**: 45592, 45593, 45594, 45629, 46061, 46062, 46065, 46066, 46067, 46068, 46069, 46070, 46071, 46072, 46075, 46077, 46078, 46079 - Kimvuadu (05 15 00 S 13 18 00 E): **RMCA**: 16084 - Kisanga (00 16 00 N 29 43 00 E, 960 m): **RBINS**: 12778, 12779 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 88.025-M-0002, 88.025-M-0003 - Kisangani (00 31 N 25 12 E, 447 m): **UNIKIS**: K13-591, YK037CH - Kitundu Kinda (09 30 00 S 24 55 00 E): **RMCA**: 4225, 4226, 4228, 4229, 4232, 4233, 4234, 4235 - Kitutu (03 17 14 S 28 05 08 E, 1040 m): **RMCA**: 28885 - Kitwabaluzi (025300S 283500E, 1543 m): **RMCA**: 20689, 20690 - Kongolo, island (00 03 00 N 25 12 00 E): **RMCA**: 90.042-M-0271 - Kuleponge (03 22 00 N 25 44 00 E, 604 m): **RMCA**: 14791, 14792, 14793, 14794, 14795, 15322 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 10562, 10563, 10564, 10565, 10566, 10567, 10568, 10569, 10570, 10571, 10572, 10573, 10574, 10618, 10639, 10640, 10641, 10642, 6484, 6485, 6487, 6491, 6492, 6493, 6494, 6495, 6496, 6497, 6516, 6517, 6518, 6519, 7741, 7742, 7743, 7744, 7745, 7746, 7747, 7748, 7756, 7757, 7758, 7759, 7760, 7761, 7762, 7763, 7764, 7765, 7766, 8152, 8153, 8154, 8155, 8156, 8157, 8158, 8159, 8160, 8161, 8162, 8163, 8164, 8165, 8176a, 9706, 9712 - Kwamouth (03 10 00 S 16 12 00 E, 146 m): **RMCA**: 6488, 6489, 6490 - Lake Tumba, Island in (ca. 00 48 S 18 03 E): **MCZ**: 48181, 48182 - Lemba plain (04 18 00 S 15 18 00 E): **RMCA**: 10262 - Leopold 2nd Lake (02 05 05 S 18 20 21 E): **BMNH**: 1927.3.1.47 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RBINS**: 12271, 12771; **RMCA**: 17356a, 17616a, 17797, 17955, 17956, 31127b - Luebo (050200S 213300E, 478 m): **RMCA**: 6483a, 6483b, 6501, 6502, 6503, 6504, 6505, 6506, 6509, 6510, 6513, 6514, 6515 - Lufira River, upper (ca. 10 54 27 S 26 59 42 E): **BMNH**: 1909.1.3.1 - Lulua (05 53 45 S 22 25 04 E, 608 m): **RMCA**: 76.054-M-0001, 76.054-M-0002, 76.054-M-0003, 77.015-M-0003 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.11.1.23, 1926.7.6.45, 1926.7.6.46 - Lusanga Mwanza (05 50 00 S 13 03 00 E): **RMCA**: 13936, 13937, 13938, 13939, 13940, 13941, 13942, 13943, 13944a, 13945 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **FMNH**: 173291; **RMNH**: MAM.16356, MAM.16357, MAM.16384 - Mabali (02 20 00 S 28 50 00 E): **MCZ**: 48183 - Medje (02 25 00 N 27 18 00 E, 617 m): **RMCA**: 4330 - Mondombe (005300S 224500E, 414 m): **RMCA**: 21715 - Mongende (02 06 00 S 16 20 00 E): **RMCA**: 6520, 6521, 6522 - Mouth of Congo (ca. 06 00 S 12 30 E):

BMNH: 1892.5.7.1 - Mpe (02 12 00 S 17 38 00 E, 399 m): **RMCA**: 2663 - Muezi Lupungu (09 25 00 S 24 55 00 E): **RMCA**: 4227, 4230, 4231, 4236a, 4236b, 4237, 4238, 4239 - Mulungu (02 19 00 S 28 48 00 E, 1159 m): **RMCA**: 15870a, 15871 - Mulungu Miti (021900S 284800E, 1159 m): **RMCA**: 19649 - Ndama: **RBINS**: 17295 - New Beni (00 30 00 N 29 28 00 E, 1238 m): **AMNH**: 82360, 82361 - Ngerere Lepi (00 39 00 N 29 53 00 E, 1200 m): **RBINS**: 12772, 12773, 12774, 12775, 12776, 12777 - Niam-Niam (05 03 N 27 07 E): **RBINS**: 181, 181b, 181c, 181j - Nyamunyunye (02 21 00 S 28 49 00 E): **RMCA**: 74.044-M-0004, 74.044-M-0005, 74.044-M-0006 - Oshwe (03 24 00 S 19 30 00 E, 368 m): **RMCA**: 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788 - Semmio (05 03 00 N 27 07 00 E): **ZMB**: 10206, 7427, 7428 - Shabunda (024200S 272000E, 596 m): **RMCA**: 15381, 15382, 15383, 15384, 15385 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7116, 7123, 7494b - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 537699 - TASOK (04 20 S 15 15 E): **ZMA**: MAM.21145 - Tondu (00 53 00 S 18 09 00 E): **RMCA**: 6511 - Tshikapa (06 25 00 S 20 48 00 E, 485 m): **RMCA**: 6486, 6498, 6499, 6500 - Tshopo (00 28 00 N 25 33 00 E): **RMCA**: 90.042-M-0230 - Uele (River) (ca. 03 41 N 26 03 E): **RMCA**: 6065 - Umangi (mission) (02 07 00 S 21 24 00 E): **RMCA**: 182, 183, 184, 185, 186, 187 - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT2387 - Yangambi (00 47 00 N 24 28 00 E, 437 m): **RBINS**: 6985 - Yokamba Elongo (00 01 00N 22 17 00 E, 429 m): **RMCA**: 22411 - Zambi (05 51 00 S 12 52 00 E): **RMCA**: 4861, 4862, 4863, 4864.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1975-855, ZM-MO-1975-857, ZM-MO-1995-617, ZM-MO-2000-146, ZM-MO-2000-147; **RMCA**: 97.077-M-3371; **ZMA**: MAM.16560, MAM.16562 - Abidjan (05 20 28 N 04 01 41 W, 74 m): **RMCA**: 35676, 35677, 35678 - Abidjan Plateau: **ZMA**: MAM.18917, MAM.18918, MAM.18919, MAM.18920, MAM.18921, MAM.18922, MAM.18923, MAM.18924, MAM.18925, MAM.18926, MAM.18927, MAM.18928, MAM.18929, MAM.18930, MAM.18931, MAM.18932, MAM.18933, MAM.18934, MAM.18935, MAM.18936, MAM.18937, MAM.18938, MAM.18939, MAM.18940, MAM.18941, MAM.18942, MAM.18943, MAM.18944, MAM.18945, MAM.18946, MAM.18947, MAM.18948, MAM.18949, MAM.18950, MAM.18951, MAM.18952, MAM.18953, MAM.18954, MAM.18955, MAM.18956, MAM.18957, MAM.18958, MAM.18959, MAM.18960, MAM.18961, MAM.18962, MAM.18963, MAM.18964, MAM.18965, MAM.18966, MAM.18967, MAM.18968, MAM.18969, MAM.18970, MAM.18971, MAM.18972, MAM.18973, MAM.18974 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **MNHN**: ZM-MO-1975-850, ZM-MO-1975-856; **RMCA**: 97.079-M-0804, 97.079-M-0805, 97.079-M-0806, 97.079-M-0807, 97.079-M-0808, 97.079-M-0809; **ZMA**: MAM.18866, MAM.18867, MAM.18868, MAM.18869, MAM.18870, MAM.18871, MAM.18872, MAM.18873, MAM.18874, MAM.18875 - Assinie (05 07 29 N 03 16 30 W): **MNHN**: ZM-MO-1975-814 - Bouaké (07 41 N 05 01 59 W, 312 m): **ORSTOM**: 13.747 - Gopoupleu (07 26 05 N 08 17 07 W, 358 m): **MNHN**: ZM-MO-1975-852 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-532 - Torgokaha (0923N 0538W, 376 m): **FMNH**: 105317 - Toumodi, 5 km SE (ca. 06 33 N 05 01 W): **AMNH**: 239384, 239385 - Yabrasso: **USNM**: 467915.

Equatorial Guinea:

Unknown locality: **BMNH**: 190x.7.1.21, 1911.6.12.9 - Annobon Island (ca. 01 26 S 05 38 E): **SMF**: 6356 - Bata (01 51 00 N 09 45 00 E, 530 m): **MSB**: 25221, 25222; **RMCA**: 33107, 33108 - Bilelepe (0329N 0848E, 215 m): **USNM**: 141529 - Bilelifri: **BMNH**: 1904.7.1.14 - Fernando Poo (03 29 39 N 08 42 06 E): **BMNH**: 1904.7.1.12, 1904.7.1.13, 1904.7.1.15, 1904.7.1.17, 1904.7.1.18, 1904.7.1.19, 1904.7.1.20, 1904.7.1.21, 1904.7.1.22, 1904.7.1.23, 1904.7.1.24, 1904.7.1.25, 1904.7.1.26, 1904.7.1.27; **SMF**: 12436.

Ethiopia:

Abyssinia: **MNHN**: ZM-MO-1962-2610 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **USNM**: 462724 - Dag Island: **BMNH**: 1937.2.24.2 - Didessa settlement (09 02 N 36 09 E): **USNM**: 462721, 462722, 462723 - Dire Daoua (09 35 00 N 41 52 00 E, 1236 m): **RMCA**: 13742b - Gambela (08 15 N 34 35 E, 514 m): **USNM**: 462720, 497602, 520895; **ZFMK**: 1973.0035, 1973.0036 - Jikaw: **SMNS**: 29859.

Gabon:

Unknown locality: **BMNH**: 1874.10.6.3 - Cape Lopez (00 37 S 08 43 E): **ZMB**: 4951 - Lambarene (00 42 00 S 10 13 00 E, 45 m): **BMNH**: 1908.6.14.5 - Libreville, 20 km from (ca. 00 23 N 09 27 E): **EBD**: MAM 8823.

Ghana:

Unknown locality: **BMNH**: 1935.10.22.55, 1935.10.22.57, 1946.373; **SMF**: 89666 - Aburi (0540N 0011W): **BMNH**: 1920.5.12.2, 1920.5.12.3 - Afegame, 3 mi [=4.8 km]E (ca. 07 08 N 00 35 E): **RMNH**: MAM.22958 - Bator (0604N 0025E, 56 m): **USNM**: 411807, 411808 - Elemina (05 05 N 01 21 W, 0 m): **ROM**: 56529, 56530 - Gambaga (10 32 N 00 26 W, 312 m): **USNM**: 424825, 424826, 424827, 424828, 424829, 424830, 424831, 424832, 424833, 424834 - Jukwa (0515N 0121W): **USNM**: 411809, 411810, 411811, 411812, 411813 - Jukwa (051600N 012000W): **BMNH**: 1898.10.24.2, 1898.10.24.3, 1964.1270, 1964.1271 - Kokofu (0743N 0053W, 151 m): **USNM**: 424835, 424836, 424837, 424838 - Legon (05 39 00 N 00 11 00 W, 30 m): **USNM**: 414061, 414062, 414063, 414064, 414065, 414066, 414067, 439928 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 411806 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 62249, 62250, 62251; **USNM**: 439925, 439926, 439927, 439929, 439930, 439931 - Winneba (05 20 N 00 37 W, 0 m): **FMNH**: 54439; **MCZ**: 42651 - Yabraso (0804N 0147W): **USNM**: 424823, 424824.

Guinea:

Conakry [= Konakry, Konakri] (093033N 134244W): **HNHM**: 98.48.1, 98.48.2 - Fressoudou (09 08 00 N 08 54 00 W): **MNHN**: ZM-2012-255, ZM-2012-256, ZM-2012-257, ZM-2012-258 - Guinee-Maritime (ca. 0942N 1322W): **HNHM**: 98.50.1.

Guinea-Bissau:

Bolama (11 35 N 15 28 W, 0 m): **ZMA**: MAM.20462.

Kenya:

Unknown locality: **BMNH**: 1946.709, 1975.2758, 1975.2759, 1975.2812; **WAM**: M23189 - Cherangani Hills (0115S 3527E, 1981 m): **ROM**: 91153; **WNMU**: 548 - Cherangany (0059N 3513E, 1890 m): **FMNH**: 152193 - Kakamega district: **CM**: 102021 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **WAM**: M16577 - Lake Victoria: **BMNH**: 1902.7.5.3 - Sabatia (0002S 3545E): **NMK**: 4649.

Liberia:

Unknown locality: **BMNH**: 1979.401_1, 1979.401_2, 1979.403; **SMF**: 87685 - Belle Yella (07 22 35 N 109 59 54 W, 261 m): **RMCA**: 36289, 36291 - Cape Palmas, near: **ZMB**: 20528 - Firestone (05 56 N 09 38 W, 170 m): **MCZ**: 24021, 24022, 24023, 24024, 24025 - Mount Nimba West (ca. 07 29 00 N 08 33 00 W): **RBINS**: 16082 - Roberts Port (064512N 112207W, 158 m): **USNM**: 102461 - Wreppoosta: **ZMB**: 44456.

Madagascar:

Unknown locality: **RMNH**: MAM.35909 - Mistinjo (1962 m): **MNHN**: ZM-MO-1962-2625, ZM-MO-1962-2628, ZM-MO-1962-2629.

Malawi:

Unknown locality: **BMNH**: 1897.10.1.14 - Bangweolo and Lake Nyasa, between: **BMNH**: 1910.3.14.1 - Lisanthu (13 00 S 33 10 E, 1050m): **ZMA**: MAM.21694 - Mlanje (1605S 3529E): **MCZ**: 43761 - Mount Malosa (15.25S 35.32E): **BMNH**: 1897.10.1.17 - Nyasa: **BMNH**: 1897.10.1.15, 1897.10.1.16 - Zomba (15.38S 35.32E): **BMNH**: 1896.10.28.5 - Zomba (152300S 352000E): **BMNH**: 1899.6.28.1.

Mauritania:

Nouakchott (18 07 10 N 16 02 26 W, 0 m): **MNHN**: ZM-MO-1997-2105, ZM-MO-1997-2106, ZM-MO-1997-2107, ZM-MO-1997-2108.

Mozambique:

Chiniziwa District (18.88S 35.13E): **NHMZ**: 63733 - Marromeu Town (18.25S 35.94E): **NHMZ**: 83936.

Namibia:

Ariemsvlei (28.13S 19.88E): **SMW**: 3505 - Arnhem cave (22.7S 18.1E): **SMW**: 7488 - Bethanien district (2630S 1700E): **ZMB**: 90649 - Eliem 163 (24.38S 17.63E): **SMW**: 3515 - Etosha NP,Okaukuejo (19.13S 15.88E): **SMW**: 15260 - Gobabeb, Namib Desert (23.55S 15.05E): **SMW**: 6867 - Kleepfortella (22.88S 17.88E): **SMW**: 6848 - Litembo: **ZMB**: 19771, 19773, 19775, 19777, 19779 - Maltahohe (24.88S 17.00E): **SMW**: 6814 - Outjo, SW (20.3S 15.83E): **SMW**: 2726 - Sonnleiten 78 (22.38S 17.38E): **SMW**: 9983.

Niger:

Maradi (13 29 30 N 07 05 47 E, 383 m): **SMF**: 51648, 51649, 51650, 51651, 51652, 51653, 51654; **TTU**: 37601, 41205 - Zinder, near (13 48 N 08 59 E): **MNHN**: ZM-MO-1986-115, ZM-MO-1986-116.

Nigeria:

Unknown locality: **BMNH**: 1902.11.10.1, 1911.3.24.1, 1911.3.24.2, 1911.3.24.3, 1950.171; **ZMA**: MAM.18602 - Abuja (0905N 0732E, 777 m): **USNM**: 580573, 580574, 580575, 580576, 580577, 580578, 580579, 580580, 580581, 580582, 580583, 580584, 580585, 580586, 580587, 580588, 580589, 580590, 580591, 580592 - Abulschi: **BMNH**: 1902.11.10.2 - Bichi, 1 mi W (121403N 081428E): **USNM**: 378782, 378783, 378784 - Calabar (04 34 27 N 06 58 33 E, 380 m): **BMNH**: 1870.3.29.15 - Dada (1134N 0429E): **USNM**: 402574, 402575, 402576, 402577, 402578 - Enugu state: **SMF**: 92082 - Futuk (ca. 09 45 N 10 30 E): **HNHM**: 98.42.54, 98.42.64 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **BMNH**: 1950.169, 1950.170; **USNM**: 483195 - Ife (07 29 25 N 04 33 07 E): **ZMA**: MAM.18414, MAM.18415, MAM.18466, MAM.18467, MAM.18468, MAM.18469, MAM.18470, MAM.18471, MAM.18472, MAM.18473, MAM.18474, MAM.18475, MAM.18476, MAM.18477, MAM.18478, MAM.18479, MAM.18480, MAM.18481, MAM.18482, MAM.18483, MAM.18484, MAM.18485, MAM.18486 - Ife University Campus (07 31 06 N 04 31 41 E): **USNM**: 580560, 580561, 580562, 580563, 580564, 580565, 580566, 580567, 580568, 580569, 580570, 580571, 580572 - Ikang: **ZMA**: MAM.18601 - Jos (09 55 N 08 54 E, 1217 m): **ZMA**: MAM.18413, MAM.18575, MAM.18576, MAM.20613 - Karaduwa (1219N 0741E): **USNM**: 402569 - Kware (131305N 051602E, 268 m): **USNM**: 378786, 378787, 378788, 378789, 378790, 378791, 378792, 378793 - Maiduguru: **BMNH**: 1950.166, 1950.167, 1950.168 - Oyo, 7 mi [= 11 km] W (072015N 034529E): **USNM**: 377102, 377103, 377104, 377105, 377106, 377107, 377108, 377109 - Panisau (1143N 0732E): **USNM**: 402570, 402571, 402572, 402573 - Plateau state: **SMF**: 86932, 86933 - Tangaza (1322N 0456E): **USNM**: 402564, 402565, 402566, 402567, 402568 - Zaria, 15 mi NW (ca. 1101N 0744E): **USNM**: 378785.

Rwanda:

Astrida (023550S 294420E, 1733 m): **MHNG**: 1498.001, 1498.002; **RMCA**: 20491, 31176, 31177, 31178, 31179, 31180, 31181, 31182, 31183, 31184, 31185, 31186, 31187, 31188, 31189 - Bugarura island (015439S 291600E): **RBINS**: 10537, 10538, 10539, 10540, 10541, 10542 - Cyili (020300S 294600E): **RMCA**: 85.006-M-0527 - Gafunzo (022334S 290240E): **RMCA**: 85.006-M-0520, 85.006-M-0522, 85.006-M-0523, 85.006-M-0524, 85.006-M-0525, 85.006-M-0528, 85.006-M-0530, 85.006-M-0531, 85.006-M-0532, 85.006-M-0533, 85.006-M-0534, 85.006-M-0535, 85.006-M-0536 - Kisenyi (01 41 15 S 29 15 17 E, 1450 m): **RMCA**: 17189 - Kissenji [=Gisenyi] (014115S 291517E, 1450 m): **ZMB**: 67137, 67138, 67139 - Mugarura (ca. 0142S 3045E): **ZMB**: 66523, 67037, 67038, 67039, 67040, 67041, 67043, 67146, 67147, 67148, 67149, 67152, 67153 - Nyarutovu (02 37 00 S 29 36 00 E, 2000 m): **MHNG**: 921.026, 921.027; **RMCA**: 23139, 23645, 23646a - Shyanda (023231S 294734E, 1646 m): **RMCA**: 85.006-M-0521, 85.006-M-0526, 85.006-M-0529.

São Tomé and Principé:

Unknown locality: **BMNH**: 1900.7.27.1, 1900.7.27.2; **MNHN**: ZM-MO-1975-777, ZM-MO-1975-778, ZM-MO-1975-779 - Bóbó Cativo (00 19 06 N 06 41 44 E): **EBD**: MAM 20342 - Fernandina Coco palm plantation (0021N 0639E): **CAS**: 26833, 26834, 26835, 26836 - Port Sao Tome: **BMNH**: 1911.6.12.10 - Principé: **BMNH**: 1904.1.1.2, 1911.6.12.7, 1911.6.12.8 - Ribeira Piexe (0005N 0637E): **CAS**: 26783, 26847 - San Antonio (01 40 N 07 25 E): **EBD**: MAM 20347 - Sao Tome (ca. 00 12 N 06 39 E): **BMNH**: 1907.27.1, 1907.27.2; **USNM**: 104534 - São Tomé island (ca. 00 12 N 06 39 E): **BMNH**: 1904.1.1.1.

Senegal:

Unknown locality: **BMNH**: 1844.1.18.16, 1844.1.18.17; **MNHN**: ZM-2007-79; **RMNH**: MAM.44.1.18.16, MAM.44.1.18.17; **ZMA**: MAM.07023 - Fatick (142129N 163509W, 3 m): **FMNH**: 42241, 42242, 42243, 42244, 42245, 42246, 42379, 42380, 42381, 42700, 42701, 42702, 42703, 42704, 42705, 42706, 42707, 42708, 42709, 42710, 42711, 42712, 42713, 44275, 44276, 44277, 44278, 44279, 44280 - Richard-Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1995-3137 - Ziguinchor (1235N 161619W, 15 m): **USNM**: 381324, 381325, 381326, 381327.

Sierra Leone:

Unknown locality: **BMNH**: 1911.11.3.2, 1911.11.3.3, 1911.3.2, 1950.1888, 1950.1889, 1953.36, 1972.4157 - 100 miles off the coast of Sierra Leone: **BMNH**: 1910.10.21.1 - Bonthe (073155N 123018W): **BMNH**: 1953.601, 1959.200 - Freetown (082924N 131403W): **ZMH**: 42300 - Freetown (0830N 1315W): **USNM**: 511987, 511988, 511989, 577694 - Hamilton Village (082255N 131535W, 60 m): **ROM**: 77642, 77643, 77644, 77645, 77646 - Rokupr (084018N 122343W): **BMNH**: 1953.35 - Rokupr (0850N 1240W): **MCZ**: 46385, 46386.

South Africa:

Bloemfontein (29 08 00 S 26 12 00 E, 1423 m): **NMB**: 1592 - Bloemhoef District (27.65S 25.6E): **TM**: 39142 - Farm Geluk (2752S 2852E): **TM**: 13056 - Farm Katrina (2739S 2536E): **TM**: 39242 - Farm Klipbanksfontein 607 (2818S 2305E): **TM**: 47601 - Farm Rhenosterfontein (264430S 2729E): **TM**: 44219 - Hagesdam (29.37S 25.78E): **NMB**: 1296 - Hartswater (27.88S 24.88E): **ROM**: 78005 - Hondeklipbaai (30.38S 17.38E): **SAMC**: 37073 - Jacobsdal (2925Aa): **NMB**: 8514 - Marquard (2827Cb): **NMB**: 1264 - Mazelfontein (2907S 2352E): **TM**: 9419 - Petrusburg (2925Ab): **NMB**: 1327 - Pretrusburg (29.13S 25.38E): **NMB**: 1237 - Rielpoort (31 16 48 S 21 35 24 E): **DNSM**: 11486 - Rundie Olds (29.38S 22.38E): **MMK**: MAM/1032 - Schutse Kama, Riet R (29.03S 24.43E): **MMK**: MAM/1028 - Smithfield (3026Ba): **NMB**: 1262 - Todcaster (27.88S 24.88E): **MMK**: MAM/6818 - Trompburg town (3025Bb): **NMB**: 8515 - Twin Streams (28 58 S

31 42 E): **DNSM**: 7356 - Tylden (32.1S 27.07E): **SAMC**: 8221 - Vredefort town (2727Ab): **NMB**: 3954 - Wildeharthoek (2544S 2811E): **TM**: 8947.

South Sudan:

Lafon (0505N 3229E): **FMNH**: 66533, 66534, 66535, 66536, 66537, 66538, 66539, 66540, 66541, 66542, 66543, 66544, 66545; **USNM**: 368861, 368862, 368863, 368864, 368865, 368866 - Malakal, 4 mi N (0939N 3138E): **FMNH**: 99251 - Sobat River (092214N 313252E): **ROM**: 77225 - Tonga (092913N 310216E, 360 m): **ZIUE**: 7455/125 - Torit district (ca. 042448N 323404E): **FMNH**: 99252, 99253, 99254, 99255, 99256, 99257.

Sudan:

Unknown locality: **BMNH**: 1970.1988 - Bahr el Abiad: **BMNH**: 1908.7.13.1, 1908.7.13.2, 1911.11.25.2, 1911.11.25.3; **SMF**: 12435 - Buram (10 36 N 29 57 E): **SMF**: 32791, 32797, 32807, 32808, 32809, 32810, 32811 - Dilling (12 02 N 29 40 E): **SMF**: 32792, 32800, 32801, 32802, 32803, 32812, 32813, 32814 - Kadugli (11 00 N 29 43 E): **SMF**: 32793, 32794, 32795, 32796, 32798, 32799, 32804, 32805, 32806 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **BMNH**: 1903.2.8.1; **MSU**: MR.33566; **ROM**: 77203, 77204; **ZMA**: MAM.22179 - Khartoum state: **SMF**: 78114 - Lafoon: **FMNH**: 368861, 368862, 368863, 368864, 368865, 368866 - Nubia (ca. 20 00 N 32 00 E): **NMV**: C1920 - Sennar (13 33 N 33 38 E, 390 m): **BMNH**: 1847.5.27.28; **RBINS**: 180; **ZMB**: 10219, 10220, 10221, 358 - Tossari (10 40 N 30 02 E): **SMF**: 32815.

Tanzania:

Unknown locality: **BMNH**: 1868.3.16.13, 191.6.9.5, 1919.6.9.6, 1920.6.10.4, 1920.6.10.5, 1920.6.10.6, 1932.12.9.2, 1952.1538, 1955.166, 1955.167, 1955.168, 1955.169, 1955.170, 1955.171, 1955.172, 1964.1312, 1994.210; **ZMB**: 54603, 54701 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **BMNH**: 1937.8.18.3, 1937.8.18.4 - Bukoba district: **BMNH**: 1932.19.9.2 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **USNM**: 236955 - Dar es Salaam University (06 48 00 S 39 17 00 E): **FMNH**: 182487, 182488, 182489 - Kebandio island: **ZMB**: 58209 - Kidodi (07 36 S 36 59 E, 337 m): **SMF**: 19473 - Mikindani (10 17 S 40 07 E, 17 m): **SMF**: 26973, 26974, 26975, 26976, 26977, 26978 - Ngombeni (07 57 15 S 39 39 32 E, 50 ft): **BMNH**: 1964.1311; **BRTC**: 20905 - Oyster Bay (06 47 S 39 17 E, 0 m): **FMNH**: 182484, 182485, 182486 - Pemba island (05 05 52 S 39 46 32 E): **MCZ**: 39280, 39281 - Rutenganio [Mission] (09 21 S 33 37 E): **ZMB**: 54941 - Tanga (05 04 00 S 39 06 00 E, 0 m): **FMNH**: 150040 - Tumbatu Island (0549S 3913E): **ZMB**: 92345, 92346 - Weru Weru River: **BMNH**: 1951.377, 1951.378 - Zanzibar (06 10 S 39 20 E): **MCZ**: 1061, 22767, 3303; **MNHN**: ZM-MO-1884-1517, ZM-MO-1884-1518, ZM-MO-1884-1522, ZM-MO-1884-1526, ZM-MO-1975-806, ZM-MO-1975-811, ZM-MO-1975-819, ZM-MO-1975-828, ZM-MO-1975-829, ZM-MO-1975-934, ZM-MO-1975-935, ZM-MO-1975-936, ZM-MO-1975-937; **USNM**: 174671 - Zanzibar, W coast (ca. 0610S 3912E): **MCZ**: 3294, 3295, 3296, 3298, 3302, 3304.

The Gambia:

Unknown locality: **BMNH**: 1866.1.10.2, 1939.10.5.8, 1989.21 - Abuko Nature Reserve (13 23 29 N 16 39 09 W): **SMF**: 91132.

Togo:

Adjido (07 30 00 N 01 11 00 E, 186 m): **RMCA**: 73.054-M-0123, 73.054-M-0124 - Atakpamé (07 32 00 N 01 08 00 E, 376 m): **RMCA**: 73.009-M-0197, 73.009-M-0198, 73.009-M-0199, 73.009-M-0200, 73.009-M-0201, 73.009-M-0202, 73.009-M-0203, 73.009-M-0204, 73.009-M-0205, 73.009-M-0206, 73.009-M-0207, 73.009-M-0208, 73.009-M-0209, 73.009-M-0210, 73.009-M-0211, 73.009-M-0212, 73.009-M-0213, 73.054-M-1544 - Binaparba (09 14 00 N 00 46 00 E, 456 m): **RMCA**: 73.009-M-0214, 73.009-M-0569, 73.009-M-0570 - Dapango (10 51 50 N 00 12 18E, 306 m): **RMCA**: 73.011-M-0583, 73.011-M-0584, 73.011-M-0585, 73.011-M-0586, 73.011-M-0587, 73.011-M-0588, 73.011-M-0589, 73.011-M-0590, 73.011-M-0591, 73.011-M-0592, 73.011-M-0944, 73.011-M-0945, 73.011-M-0946; **USNM**: 437596, 437597, 478561, 478562, 478563 - Dzogbégan (07 14 00 N 00 41 00 E, 698 m): **RMCA**: 73.013-M-0728, 73.013-M-0729 - Evou (07 32 00 N 01 02 00 E, 224 m): **RMCA**: 73.054-M-2087, 73.054-M-2088, 73.054-M-2089, 73.054-M-2090, 73.054-M-2091 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **USNM**: 437598 - Fazao (08 42 00 N 00 47 00 E, 593 m): **RMCA**: 73.011-M-0599, 73.011-M-0600, 73.011-M-0601, 73.011-M-0602, 73.011-M-0603, 73.011-M-0604, 73.011-M-0605, 73.011-M-0606, 73.011-M-0607, 73.011-M-0608 - Kadjamba (09 53 15 N 00 31 33 E, 151 m): **ZMB**: 67151 - Kamina (07 31 00 N 01 11 00 E, 206 m): **RMCA**: 73.054-M-1543 - Kouda Topki (06 37 48 N 00 51 36 E): **MNHN**: ZM-MO-1975-784, ZM-MO-1975-807, ZM-MO-1975-808, ZM-MO-1975-820, ZM-MO-1975-821, ZM-MO-1975-822, ZM-MO-1975-823, ZM-MO-1975-824, ZM-MO-1975-825, ZM-MO-1975-826, ZM-MO-1975-827, ZM-MO-1975-830, ZM-MO-1975-831 - Lomnava (07 31 00 N 01 08 00 E, 379 m): **RMCA**: 73.054-M-2086 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.011-M-0596, 73.011-M-0597, 73.011-M-0598 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0579, 73.011-M-0580, 73.011-M-0581, 73.011-M-0582, 73.011-M-0593, 73.011-M-0594, 73.011-M-0595 - Niamtougou (09 46 06 N 01 06 19 E, 378 m): **RMCA**: 73.011-M-0578 - no specific locality: **RMCA**: 73.011-M-0947; **SMF**: 49874 - Odjolo (07 32 00 N 01 02 00 E): **RMCA**: 73.069-M-0268 - Palimé (07 05 00 N 00 45 00 E): **MNHN**: ZM-MO-1975-776 - Tchonou (07 30 00 N 01 15 00 E, 152 m): **RMCA**: 73.054-M-1542 - Tététou (07 01 00 N 01 30 00 E, 105 m): **RMCA**: 73.011-M-0609, 73.011-M-0610 - Togoville (06 12 41 N 01 28 41 E, 63 m): **RMCA**: 73.011-M-0611.

Uganda:

Unknown locality: **BMNH**: 1962.1997, 1962.1998, 1962.1999, 1962.2000, 1962.2001, 1962.463 - Budongo Forest (014416N 313322E, 4000 ft): **LACM**: 51425, 51426, 51427, 51428, 51429 - Kampala (00 18 56 N 32 33 56 E, 1202 m): **MVZ**: 183472; **ROM**: 78004 - Minunga (0020N 3002E): **MCZ**: 39197 - Ngora (0203N 3438E): **CUMV**: 19684 - Wandegeya (0021N 3333E, 1129 m): **OMNH**: 7592.

Zambia:

Unknown locality: **FMNH**: 36114, 36115 - Abercorn (08 50 S 31 23 E, 1656 m): **KM**: 9292 - Fort Jameson (1338S 3239E): **NHMZ**: 20213 - Kafue (15.77S 28.18E): **USNM**: 297469 - Kasama (10.22S 31.17E): **KM**: 9293 - Kasanka National Park (12 35 12 S 30 13 30 E): **DNSM**: 10059, 10066 - Kasempa (1322S 2552E): **TM**: 9871 - Munali (15.38S 28.35E): **NMZL**: 3690 - Ndola (12.97S 28.63E): **KM**: 1556 - Northwestern Zambia: **YPM**: MAM 003679 - Nyika NP (10.58S 33.65E): **NMZL**: 3539 - Serenje (13.38S 30.13E): **KM**: 13489 - Sumbu (08.52S 30.48E): **NHMZ**: 7280.

Zimbabwe:

Arcturus (17.77S 31.3E): **NHMZ**: 59732 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 13103 - Carrick Creagh Farm (17.72S 31.17E): **NHMZ**: 59731 - Feruka (18 52 48 S 32 37 48 E): **NHMZ**: 59738 - Gimboki (19 01 12 S 32 34 48 E): **NHMZ**: 59729 - Goromonzi (17.88S 31.38E): **NHMZ**: 62474 - Harare,16 km NE (17.75S 31.02E): **NHMZ**: 59727 - Jeff Estate (18 58 12 S 32 36 36 E): **NHMZ**: 59733 - Matobo NP (20.5S 28.25E): **NHMZ**: 59814 - Odzi (18.95S 32.38E): **NHMZ**: 59737 - Parkmeadowland (17.72S 31.12E): **NHMZ**: 59728 - Umfuleni Farm (17.88S 31.38E): **NHMZ**: 59739.

Eidolon helvum helvum (Kerr, 1792)

"Africa":
Unknown locality: **RMCA**: a6.031-M-0011; **ROM**: 101300003; **ZMA**: MAM.26285, MAM.26286, MAM.26448.

Benin:
"Dahomey": **MNHN**: ZM-MO-1911-1531.

Cameroon:
Batoke (04 01 49 N 09 06 04 E, 79 m): **ROM**: 46739 - Bimbia (035716N 091442E): **ROM**: 50866, 50867, 50868, 50869, 50870, 50871 - Bota (04 01 43 N 09 11 15 E, 109 m): **ROM**: 39043, 39044, 39050, 43328, 43335, 43349, 43350, 43351, 43352, 46738, 46740, 46741, 46742, 46743, 46744, 46745, 46746, 46747, 46748, 46749, 46750, 46751, 46752, 46753, 46754, 46833, 50865, 50873, 51038 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **MVZ**: 89603 - Ekona (0415N 0919E): **ROM**: 39057, 39058, 39059 - Eséka (0340N 1045E): **AMNH**: 236280, 236281, 236282 - Great Soppo (0409N 0912E): **ROM**: 55549 - Kribi (0255N 0955E): **ROM**: 54940 - Kribi (025700N 095500E, 13 m): **MNHN**: ZM-MO-1979-321 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55534, 55535, 55540 - Metet (0326N 1143E, 989 m): **AMNH**: 200547 - Mount Manengouba (0500N 0950E, 1000 m): **MNHN**: ZM-MO-1979-314, ZM-MO-1979-315, ZM-MO-1979-316, ZM-MO-1979-317, ZM-MO-1979-318, ZM-MO-1979-319, ZM-MO-1979-320 - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 55626, 55627 - Saxenhof (04 05 54 N 09 13 02 E, 469 m): **ROM**: 50872 - Tombel (0446N 0938E): **ROM**: 43344, 43345 - Yaounde (0352N 1131E, 726 m): **MNHN**: ZM-MO-1979-322.

Chad:
Fort Lamy (120647N 150257E, 298 m): **MNHN**: ZM-MO-1956-636 - Zamia (ca. 07 45 N 15 49 E): **MNHN**: ZM-MO-1911-778.

Congo:
Unknown locality: **ZMA**: MAM.26281 - Brazzaville (04 15 33 S 15 17 05 E, 155 m): **AMNH**: 120259, 120260 - Ewo (005221S 144914E, 532 m): **AMNH**: 120258.

Congo (Democratic Republic of the):
Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 48659, 48660, 48663, 48664, 48665, 48666, 48667, 48669, 48670, 48671, 48672, 48673, 48674, 48675, 48676, 48678, 48679, 48680, 48681, 48682, 48683, 48684, 48685, 48687, 48688, 48689, 48690, 48691, 48692, 48693, 48694, 48695, 48696, 48697, 48702, 48703, 48704, 48705, 48706, 48707, 48708, 48709, 48710, 48711, 50363, 51383, 51384 - Kakonda (05 50 00 S 28 42 00 E, 800 m): **AMNH**: 118868 - Katana (02 13 30 S 28 49 53 E, 1595 m): **AMNH**: 180892 - Kivu: **MNHN**: ZM-MO-1939-198, ZM-MO-1939-199 - Lake Tumba (ca. 00 48 00 S 18 03 00 E): **AMNH**: 180894, 180895, 180896 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86758, 86759, 86760, 86879 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **AMNH**: 180893 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48698, 48699, 48700, 48701 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86229, 86230, 86231, 86232, 86233, 86234, 86235, 86236, 86237, 86238, 86239, 86240, 86241, 86242, 86243, 86244, 86245, 86246, 86247, 86248, 86249, 86250, 86253, 86254, 86260.

Equatorial Guinea:
St. Thomas, Island: **AMNH**: 90313, 90314, 90315.

Ethiopia:
Gambela Hizboch region [=Gambela region]: **SMF**: 7335, 7336.

Gabon:
Kango (000900N 100800E, 30 m): **AMNH**: 120255, 120256, 120257, 120261, 120262, 120263.

Ghana:
Kade, 11 km NE (06 07 N 00 34 W): **ROM**: 36603, 36604, 36605, 36606 - Kumasi (06 41 N 01 37 W, 246 m): **ROM**: 70529, 70530, 70531, 70532, 70533 - Kumasi Agricultural Station (06 45 N 01 34 W, 246 m): **ROM**: 62336 - Kumasi University (06 41 00 N 01 37 00 W, 246 m): **AMNH**: 233871 - Mampong (07 04 N 01 24 W, 385 m): **ROM**: 70534, 70535, 70536, 70537, 70538, 70539, 70540.

Guinea:
Conakry (093033N 134244W, 0 m): **MNHN**: ZM-MO-1897-974.

Kenya:
Cherangani Hills (0115S 3527E, 1981 m): **ROM**: 48668.

Liberia:
Ceasar's Beach (ca. 0619N 1048W, 0 m): **AMNH**: 257034 - Ganta: **AMNH**: 81432.

Mali:
Bamako (123900N 080000W, 349 m): **MNHN**: ZM-MO-1960-543, ZM-MO-1960-544, ZM-MO-1960-545, ZM-MO-1960-546.

Niger:
Maradi (13 29 30 N 07 05 47 E, 383 m): **MNHN**: ZM-MO-1962-64, ZM-MO-1962-65 - Niamey (1331N 0207E, 207 m): **MNHN**: ZM-MO-1970-423; **MVZ**: 154300; **ROM**: 54796, 54797, 54799, 54801, 54802, 54803, 54804, 54827, 54828, 54830, 54831, 54832, 54833, 54834, 54835, 54836, 54837, 54838, 54839, 54840, 54841, 54842, 54843, 54844, 54845, 54846 - Nim tree Forest (ca. 1331N 0207E): **ROM**: 54795.

Nigeria:
Unknown locality: **BMNH**: 1976.1827 - Plateau state: **SMF**: 86153.

São Tomé and Principé:
Unknown locality: **RMNH**: MAM.26321.

Senegal:
Unknown locality: **RBINS**: 12449 - Dakar (1444N 1727W): **USNM**: 380220, 380221, 380222, 380223, 380224 - Saint Louis, 10 km SE (ca. 15 59 N 16 26 00 W): **USNM**: 380225, 380226, 380227 - Thiès, 10 km W (144800N 165600W): **USNM**: 380228, 380229, 380230, 380231, 380232, 380233, 380234, 380235, 380236, 380237, 380238, 380239, 380240, 380241, 380242, 380243 - Ziguinchor (1235N 161619W, 15 m): **USNM**: 377815, 377816, 377817, 377818, 377819, 377820, 377821, 377822, 377823, 377824, 377825, 377826, 377827, 377828, 377829, 377830, 377831, 377832, 377833, 377834, 377835, 377836, 377837, 377838, 377839, 377840, 377841, 377842, 377843, 377844, 377845, 377846, 377847, 377848, 377849, 377850, 377851, 377852, 377853, 377854, 377855, 377856, 377857, 377858, 377859, 377860, 377861, 377862, 377863.

Sierra Leone:
Kissey (082807N 131135W, 89 m): **ROM**: 56482, 56483, 56484, 56485 - Yile Island (073454N 125848W): **ROM**: 51050.

Sudan:
Unknown locality: **AMNH**: 214310, 214311, 214312, 214313, 214314 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **BMNH**: 1903.2.8.1a.

Tanzania:
Unknown locality: **RMNH**: MAM.26322, MAM.26323 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **MNHN**: ZM-MO-1881-290, ZM-MO-1881-291 - Mahenge (08 41 S 36 43 E, 1276 m): **ROM**: 35319 - Ngombeni (07 57 15 S 39 39 32 E, 50 ft): **CAWM**: |R(3002|: 345) - Pemba island (05 05 52 S 39 46 32 E): **ROM**: 51055 - Zanzibar (06 10 S 39 20 E): **ROM**: 51054.

Uganda:
Entebbe (00 03 52 N 32 26 49 E, 1132 m): **ROM**: 39041, 39042 - Kampala (00 18 56 N 32 33 56 E, 1202 m): **AMNH**: 184224, 184225, 184226; **ROM**: 38776, 38777, 38778, 38779, 38780, 38781, 38782, 38783, 38784, 38785, 38786, 38787, 42756, 42757, 42758, 42759, 45916 - Katalemwa (002427N 323506E): **ROM**: 40098 - Mbale (010352N 341046E, 1168 m): **AMNH**: 119157, 119158, 119159.

Pteropus Erxleben, 1777

"Africa":
Unknown locality: **RMCA**: 95.003-M-0044.

Ethiopia:
Unknown locality: **MCZ**: 59200.

Madagascar:
Unknown locality: **RMNH**: MAM.21683 - Ambalantanakomby, 25 km SW (ca. 1647S 4657E): **USNM**: 328723, 328724.

Mauritius:
Unknown locality: **RMNH**: MAM.45939; **ZMA**: MAM.25537.

Réunion:
St Benoit, near (ca. 21 02 17 S 55 43 10 E): **MNHN**: ZM-MO-1983-1379, ZM-MO-1983-1380.

Seychelles:
Mahé (043700S 552700E, 0 m): **MNHN**: ZM-MO-1892-1549.

Tanzania:
Unknown locality: **MCZ**: 1137.

Pteropus aldabrensis True, 1893

"Africa":
Settlement: **BMNH**: 1968.1090, 1968.931, 1968.932, 1968.933, 1974.375 - Takamaka: **BMNH**: 1913.2.18.3, 1913.2.18.4, 1968.934 - Takamaka Grove: **BMNH**: 1968.935, 1968.936, 1968.937.

Seychelles:
Aldabra (092500S 462200E): **BMNH**: 1939.1333; **MNHN**: ZM-MO-1956-637 - Aldabra Island (092500S 462200E): **USNM**: 20984 (Syntype *Pteropus aldabrensis*), 20985 (Syntype *Pteropus aldabrensis*), 20989, 62061 - Dune Jean Louis (0437S 5527E): **USNM**: 568924 - Picard Island (0922S 4613E): **USNM**: 568923.

Pteropus livingstonii Gray, 1866

Comoros:
Unknown locality: **AMNH**: 274464, 274465 - Anjouan Island (12 15 S 44 25 E): **AMNH**: 274457, 274458, 274459, 274460, 274461, 274462, 274463; **BMNH**: 1863.12.11.2 (Holotype *Pteropus livingstonii*), 1888.5.9.1, 1888.5.9.2, 1934.7.2.35, 1934.7.2.36; **MNHN**: ZM-MO-1886-1272, ZM-MO-1886-1273, ZM-MO-1886-1274, ZM-MO-1886-1533, ZM-MO-1886-1534, ZM-MO-1886-1535; **RMNH**: MAM.37224, MAM.37225; **ZMB**: T09586, T09939, T10119 - Comoro Islands (1135S 4320E): **ZMB**: T10461 - Grand Comoro Island (114126S 432446E): **AMNH**: 274506, 274507, 274508, 274509, 274510, 274511, 274512, 274513, 274514, 274515, 274516, 274517, 274518, 274519, 274520, 274521, 274522, 274523, 274524, 274525, 274526, 274527, 274528, 274529, 274530, 274531, 274532, 274533, 274534, 274535, 274536, 274537, 274538, 274539, 274540, 274541, 274542, 274544, 274546 - Grand Comoro Island (1145S 4320E): **AMNH**: 274476, 274477, 274478, 274479, 274480, 274481, 274482, 274483, 274484, 274485, 274486, 274487, 274488, 274489, 274490, 274491, 274492, 274493, 274494, 274495, 274496, 274497, 274498, 274499, 274500, 274501, 274502, 274503, 274504, 274505 - Johanna Island [=Anjouan Island] (1215S 4425E): **ZMB**: 11021, 67176 - Moheli Island: **AMNH**: 274466, 274467, 274468, 274469, 274470, 274471, 274472, 274473, 274474, 274475, 274547.

Mayotte:
Mayotte (12 50 S 45 09 E): **AMNH**: 274543, 274545, 274548, 274549, 274550.

Pteropus niger (Kerr, 1792)

"Africa":
Unknown locality: **MNHN**: ZM-AC-III-174.

Madagascar:
Unknown locality: **RMNH**: MAM.37215, MAM.37216.

Mauritius:
Unknown locality: **BMNH**: 1866.1.24.1, 1976.309; **MCZ**: 4581, 4940, 5811; **MNHN**: ZM-AC-I-449, ZM-MO-1873-259, ZM-MO-1877-571, ZM-MO-1990-26; **RMNH**: MAM.37213, MAM.37214; **SMF**: 12433, 12437, 12440; **USNM**: 341867; **WAM**: M61206; **ZMB**: 346, 4920 - Cascavelle (20 17 43 S 57 25 09 E): **FMNH**: 221237, 221238, 221239, 221240, 221241, 221242, 221243, 221244, 221245, 221246, 221247, 221248, 221279, 221280, 221281, 221282, 221283, 221284 - Fayence Mountain (20 23 21 S 57 40 40 E): **FMNH**: 221262, 221263, 221264, 221265, 221266, 221267, 221268, 221269, 221270, 221271, 221272, 221273, 221274, 221275, 221276, 221277, 221278 - Le Reduit, ravines (20 13 S 57 29 E): **BMNH**: 1934.7.2.11, 1934.7.2.12, 1934.7.2.13 - Majastre: **MNHN**: ZM-MO-1958-775, ZM-MO-1958-776 - Mare au Songes (20 26 31 S 57 42 06 E): **ZMA**: MAM.16356 - Petite Case Royale (20 24 03 S 57 23 00 E): **FMNH**: 221249, 221250, 221251, 221252, 221253, 221254, 221255, 221256, 221257, 221258 - Riche en Eau (20 23 17 S 57

39 15 E): **FMNH**: 221259, 221260 - Rose Hill (20 14 31 S 57 28 12 E): **BMNH**: 1962.1919 - Senneville (20 30 04 S 57 33 00 E, 151 m): **AMS**: M.23590.

Réunion:

Réunion and Madagascar: **MNHN**: A.1.C.18 - 745H - 154 (Holotype *Pteropus vulgaris*).

Tanzania:

Zanzibar (06 10 S 39 20 E): **ZMB**: 38838.

Pteropus rodricensis Dobson, 1878

Mauritius:

Unknown locality: **AMNH**: 269533, 269534, 269535, 269536, 269537, 269538, 269539, 269540, 269541, 269542, 269543, 269544, 269545, 269546, 269547, 269548, 269549, 269550, 269551, 269552, 269553, 969533 - Cascade river (ca. 19 44 S 63 28 E): **BMNH**: 1979.155, 1979.156; **SMF**: 54964; **ZMA**: MAM.21526, MAM.21880 - Rodrigues (19 42 S 63 25 E): **BMNH**: 1876.3.11.2, 1876.3.11.3, 1876.3.11.5, 1876.3.15.14, 1876.3.15.15, 1934.7.2.66, 1934.7.2.67, 1936.6.24.3, 1936.6.24.5; **RMNH**: MAM.37227, MAM.37228; **ZMA**: MAM.24198 - Rodrigues Island (19 42 S 63 25 E): **BMNH**: 1876.3.11.1 (Holotype *Pteropus rodricensis*); **NMR**: 999000000886; **SMF**: 44785 (Paratype *Pteropus rodricensis*) - Round island [Rond Islet, Ronde Ile], La Ronde (19 50 53 S 57 46 51 E): **BMNH**: 1925.8.10.1 (Holotype *Pteropus mascarinus*).

Pteropus rufus E. Geoffroy St.-Hilaire, 1803

"Africa":

Unknown locality: **MNHN**: ZM-AC-1872-279, ZM-AC-1874-159, ZM-AC-1874-393, ZM-AC-1876-64, ZM-AC-A1283, ZM-AC-I-364, ZM-AC-I-396, ZM-MO-1976-7 - Angasilha [=?Angaziga]: **ZMB**: 3257, 3258 - Kesine: **MNHN**: ZM-MO-1949-511.

Comoros:

Anjouan Island (12 15 S 44 25 E): **ZMB**: 14017, 345, 4919.

Madagascar:

Unknown locality: **BMNH**: 1876.1.31.28, 1876.1.31.29; **MCZ**: BOM-5103; **MNHN**: ZM-2007-73, ZM-2007-75, ZM-MO-1892-2031, ZM-MO-1892-2032, ZM-MO-1962-2618, ZM-MO-1962-2619, ZM-MO-1962-2620; **RMNH**: MAM.37218, MAM.37219, MAM.37220, MAM.37221, MAM.37222; **SMF**: 7026, 73503; **TM**: 1353, 1354; **UADBA**: 32400, 32938, 33293; **ZMB**: 2628, 39776, 4165 - Ambalantanakomby, 25 km SW (ca. 1647S 4657E): **USNM**: 328715, 328716, 328717, 328718, 328719, 328720, 328721, 328722 - Amballiala: **RMNH**: MAM.37210 - Ambila-Lemaitso (1850S 4909E, 9 m): **ROM**: 42445, 42446, 42447, 42448, 42449, 42450, 42451, 42452 - Ambohimahavelona (2326S 4354E): **FMNH**: 57975, 57976, 85223, 85224; **USNM**: 317900 - Ambovondramanesy (15 54 00 S 46 35 00 E): **FMNH**: 221286, 221287, 221288, 221290, 221291, 221292, 221294; **UADBA**: 32392, 32394, 32397, 32398, 32399, 43751, 43763 - Andraina, 2 km W (ca. 202304S 472628E): **USNM**: 328709, 328710, 328711, 328712, 328713 - Anjozorobe, 13 km SE (ca. 18 29 45 S 47 56 43 E): **NMV**: C1702, C1703 - Ankiliabo: **MNHN**: ZM-MO-1975-846 - Anteseranana (ca. 1320S 4815E): **ZMB**: T10102, T10103, T10104 - Antsiran: **MNHN**: ZM-MO-1893-469, ZM-MO-1893-470 - Antsiranana, near (ca. 12 16 S 49 17 E): **MNHN**: ZM-MO-1853-469, ZM-MO-1853-470 - Befandriana: **MNHN**: ZM-MO-1932-3390 - Bemangidy (2424S 4700E): **FMNH**: 105378, 105379, 105380, 85225, 85226; **USNM**: 317901, 317902 - Bemara Gorges (184500S 445000E): **MCZ**: 16336 - Berevo (1944S 4458E): **MCZ**: 16337, 16341 - Beroroha: **BMNH**: 1932.7.19.3, 1932.7.19.4 - Bétafo: **BMNH**: 1897.9.1.29; **MNHN**: ZM-MO-1938-1164 - Betroka (2316S 4605E): **USNM**: 328714 - Diego-Suarez, 36 km S (ca. 121600S 491700E): **USNM**: 341709 - Fort Dauphin (250200S 470000E): **BMNH**: 1934.7.2.55 - Fort Dauphin, 8 km N (2459S 4700E): **FMNH**: 105377 - Fort Dauphin, near (ca. 250200S 470000E): **MCZ**: 45757, 45758 - Fort-Dauphin (2500S 4703E): **BMNH**: 1891.11.30.10 (Holotype *Pteropus rufus princeps*) - Foulpointe (1741S 4931E): **ROM**: 51108, 51109, 51110, 51111, 51112, 51113 - Joffreville (1229S 4912E, 473 m): **USNM**: 341708 - Lac Alaotra, near (ca. 17 27 55 S 48 31 30 E): **ZMA**: MAM.02933 - Lower Fiherenana Valley (ca. 2510S 4605E): **MCZ**: 45058, 45059, 45060, 45061, 45062, 45063, 45445 - Majunga (15 43 S 46 19 E, 124 m): **MNHN**: ZM-MO-1962-2621 - Manantenina, 14 km N by road (2410S 4721E): **USNM**: 578832, 578833 - Maroantsetra, 20 km SW (1534S 4936E): **BMNH**: 1935.1.8.176, 1935.1.8.177; **MNHN**: ZM-2006-144, ZM-MO-1932-3392 - Maroantsetra, 40 km NW (1517S 4934E): **AMNH**: 100487 - Maromandia (14 13 S 48 05 E, 95 m): **AMNH**: 100500; **BMNH**: 1935.1.8.171, 1935.1.8.172; **MNHN**: ZM-MO-1932-3393 - Miandrivazo (1931S 4528E, 151 m): **MCZ**: 16343 - Mistinjo: **MNHN**: ZM-MO-1891-170, ZM-MO-1975-848, ZM-MO-1975-849, ZM-MO-1994-614 - North-west coast: **RMNH**: MAM.37223 - Nossi Tany Kely: **RMNH**: MAM.37211 - Nossi-Be (132000S 481500E): **RMNH**: MAM.37212; **ZMA**: MAM.18041, MAM.18042 - Nosy Be, Centre ORSTOM (ca. 13 24 S 48 16 E): **ZMA**: MAM.18401, MAM.18402 - Sainte Marie (1608S 4658E): **ZMB**: 67260 - Sakaleo River (203450S 483147E): **USNM**: 63332, 63333, 63334 - Sianaka forest (18 25 21 S 48 47 59 E): **MNHN**: ZM-MO-1976-2, ZM-MO-1976-4 - Siribihina River, Upper: **MCZ**: 16335 - Taluky: **BMNH**: 1935.1.8.175; **MNHN**: ZM-MO-1932-3389 - Tamatave (18 10 00 S 049 23 00 E, 22 m): **ZMB**: 67256, T10571 - Tampina (183000S 491600E): **AMNH**: 170616, 170617, 170618, 170619, 170620 - Tampina (183000S 491600E, 25 m): **AMNH**: 170614, 170621 - Tananarive (185500S 473100E, 1288 m): **MNHN**: ZM-MO-1951-1AC - Tolear, E of (2321S 4340E): **AMNH**: 54402 - Tsiandro (1844S 4454E, 477 m): **MNHN**: ZM-MO-1932-3386 - Tsiribihina River (1953S 442657E): **FMNH**: 34187 - Tsiroanomandidy: **BMNH**: 1935.1.8.173 - Tsiroanomandidy (1534S 4936E): **MNHN**: ZM-MO-1932-3387 - Tuléar (ca. 2322S 4340E): **ZMB**: 67208 - Tulear region: **RMNH**: MAM.02386 - Tulear, 80 km E: **AMNH**: 100492; **BMNH**: 1935.1.8.174; **MNHN**: ZM-MO-1932-3391 - Tuléar, 80 km E: **MNHN**: ZM-MO-1932-3388 - Vohemar (airfield) (13 22 S 50 00 E): **BMNH**: 1870.5.5.45; **RMNH**: MAM.26320.

Tanzania:

Zanzibar (06 10 S 39 20 E): **MCZ**: 2867.

Pteropus seychellensis A. Milne-Edwards, 1877

"Africa":

Unknown locality: **AMS**: PA.1266.

Comoros:

Unknown locality: **RMNH**: MAM.37209 - Adda Doueni (12 17 33 S 44 29 50 E, 645 m): **RMCA**: 83.045-M-0002 - Anjouan Island (12 15 S 44 25 E): **BMNH**: 1853.5.27.1, 1863.12.11.1, 1877.4.2.1, 1877.4.2.2, 1877.4.2.3, 1877.4.2.4, 1877.4.2.5,

1877.4.2.6, 1877.4.2.7; **NMW**: 17465, 17466 - Chiconi (12 17 09 S 43 37 54 E, 81 m): **RMCA**: 83.045-M-0004 - Grand Comoro Island (1145S 4320E): **BMNH**: 1879.11.12.5, 1879.11.12.6, 1936.6.24.2; **MNHN**: ZM-MO-1886-2039, ZM-MO-1886-2040 - Grande Comore (114126S 4324E): **MNHN**: ZM-MO-1886-1408, ZM-MO-1886-1409, ZM-MO-1886-1410, ZM-MO-1886-1412, ZM-MO-1886-1413, ZM-MO-1886-1414 - La Coulée (11 41 00 S 43 15 00 E): **RMCA**: 81.052-M-0001, 81.052-M-0002, 81.052-M-0003 - Moheli Island: **BMNH**: 1865.10.25.1 - Moroni (11 42 15 S 43 14 25 E, 40 m): **RMCA**: 83.045-M-0003, 85.046-M-0001, 85.046-M-0004, 85.046-M-0005 - no specific locality (1135S 4320E): **BMNH**: 1906.6.3.14 (Syntype *Pteropus comorensis*), 1906.6.3.15 (Syntype *Pteropus comorensis*), 1906.6.3.16 (Syntype *Pteropus comorensis*).

Mayotte:

Mayotte (12 50 S 45 09 E): **MNHN**: ZM-MO-1884-2034, ZM-MO-1884-2036, ZM-MO-1884-2037, ZM-MO-1884-2041, ZM-MO-1884-2042, ZM-MO-1884-2043; **RMNH**: MAM.37207, MAM.37208; **SMF**: 44784 (Paratype *Pteropus comorensis*).

Seychelles:

Unknown locality: **BMNH**: 1834.7.2.41, 1834.7.2.42; **MNHN**: ZM-MO-1975-1108; **RMNH**: MAM.38009; **SMF**: 57376, 57377, 57378, 5803, 82278 - Anse au Pins: **RMNH**: MAM.28733 - Cascade Estate (04 40 S 55 30 E, 10 m): **RMNH**: MAM.37226 - Grand Anse: **BMNH**: 1977.484, 1977.485, 1977.486, 1978.3050, 1978.3051 - La Dique Island (04 21 S 55 50 E): **AMNH**: 249996 - Mahé (04 37 00 S 55 27 00 E, 0 m): **BMNH**: 1948.261, 1948.262; **RMCA**: 34764a, 34764b - Mahé (043700S 552700E, 0 m): **MNHN**: ZM-MO-1878-1112 - Mahe Island (ca. 04 40 S 55 28 E): **MNHN**: ZM-MO-1878-1106 (Paratype *Pteropus seychellensis*), ZM-MO-1878-1107 - 35B (Paratype *Pteropus seychellensis*), ZM-MO-1878-1108 (Paratype *Pteropus seychellensis*), ZM-MO-1878-1109 - 35C (Paratype *Pteropus seychellensis*), ZM-MO-1878-1110 - 35A-157 (Holotype *Pteropus seychellensis*); **USNM**: 19771; **ZMA**: MAM.24500, MAM.24501 - Praslin island (04 19 S 55 44 E): **BMNH**: 1939.1326, 1939.1327, 1939.1328, 1939.1329, 1939.1330, 1939.1331; **SMF**: 57379, 57380, 57381; **ZMA**: MAM.16713 - Seychelles, small islands near: **USNM**: 20986, 20987, 20988 - Silhouette (0429S 5513E): **BMNH**: 1869.5.21.1, 1906.3.18.1, 1973.523 - Valle Riche (ca. 0439S 5526E, 400 m): **USNM**: 574127.

Tanzania:

Unknown locality: **BMNH**: 1994.64, 1994.65 - Chole Island (07 58 36 S 39 45 39 E): **FMNH**: 187354, 187406; **SMF**: 82517 - Kua (080016S 394600E): **BMNH**: 1964.1307, 1964.1308, 1964.1309 - Mafia: **NMW**: 17459 - Mafia Island (07 51 14 S 39 46 49 E): **BMNH**: 1938.10.24.1; **NMK**: 5271 - Utende (0758S 3944E): **FMNH**: 187353.

Pteropus subniger (Kerr, 1792)

"Africa":

Unknown locality: **AMS**: M.195 - Kesine: **MNHN**: ZM-MO-1994-1324.

Mauritius:

Unknown locality: **BMNH**: 1866.1.24.2, 1866.1.24.3, 1993.0083, 1993.83; **FMNH**: 149; **MNHN**: ZM-MO-1872-324, ZM-MO-1872-329, ZM-MO-1990-25; **ZMB**: 3568, 6302.

Mozambique:

Inhambane (2400S 3528E): **ZMB**: 67215.

Réunion:

Bourbon, île [=Réunion] (ca. 21 06 S 55 36 E, 0 - 1700 m): **ZMB**: 3661, 4525, 4526.

Pteropus voeltzkowi Matschie, 1909

"Africa":

Unknown locality: **AMS**: M.2414; **RMCA**: 90.010-M-0010; **USNM**: 582692, 582695.

Tanzania:

Barawa: **BMNH**: 1964.893, 1964.894, 1964.895 - Chakechake (05 15 S 39 46 E, 1 m): **BMNH**: 1924.3.8.7 - Fufuni (05 26 S 39 41 E, 0 m): **ZMB**: 88677 (Holotype *Pteropus (Spectrum) voeltzkowi*), 88678 (Paratype *Pteropus (Spectrum) voeltzkowi*), 88679 (Paratype *Pteropus (Spectrum) voeltzkowi*), 88680 (Paratype *Pteropus (Spectrum) voeltzkowi*), 88681 (Paratype *Pteropus (Spectrum) voeltzkowi*) - Inkoani: **BMNH**: 1924.3.8.4 - Kideke (0510S 3950E): **FMNH**: 192843, 192844 - Mbiji: **BMNH**: 1924.3.8.2, 1924.3.8.3 - Mgogoni (05 00 S 39 44 E, 0 m): **BMNH**: 1964.888, 1964.889, 1964.890, 1964.891, 1964.892 - Mizi Miombe Hill (05 23 S 39 42 E): **BMNH**: 1955.163, 1955.164 - Mkoani (05 22 S 39 39 E, 0 m): **BMNH**: 1955.165 - Ngezi Forest (0456S 3942E, 40 m): **FMNH**: 192780 - Ole (0511S 3949E, 1 m): **BMNH**: 1924.12.15.5, 1924.3.8.5, 1924.3.8.6; **MCZ**: 21476 - Pemba island (05 05 52 S 39 46 32 E): **MCZ**: 22754, 22755; **ROM**: 51056, 51057, 51134; **ZMB**: 92341, T10485, T10486, T10487, T10488, T10489, T10490 - Pemba island (05 10 S 39 48 E): **BMNH**: 1909.10.14.1, 1910.3.24.1, 1910.3.24.2 - Tundau (05 15 S 39 42 E, 0 m): **BMNH**: 1913.12.28.1.

Rousettinae Andersen, 1912

Burundi:

Bujumbura (03 23 00 S 29 22 00 E, 794 m): **RMCA**: 82.016-M-0020.

Cameroon:

Unknown locality: **YPM**: MAM 005744, MAM 005745, MAM 005746, MAM 005747, MAM 005748, MAM 014550, MAM 014551, MAM 014552, MAM 014553, MAM 014554, MAM 014555, MAM 014557, MAM 014562 - Kumba (04 38 38 N 09 26 19 E, 257 m): **YPM**: MAM 014558, MAM 014559, MAM 014560, MAM 014561.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 27420, 27421, 27422, 27423, 27424 - Bengale (04 08 00 S 16 40 00 E): **RMCA**: 77.012-M-0008 - Butembo (0009N 2917E, 1381 m): **RMCA**: 75.042-M-0007 - Kimpoko (04 14 04 S 15 33 01 E, 294 m): **RMCA**: 77.012-M-0009, 79.003-M-0002, 79.003-M-0003, 79.003-M-0004, 79.003-M-0005, 79.003-M-0006 - Kingabwa (04 18 00 S 15 18 00 E): **RMCA**: 76.010-M-0001.

Kenya:

Unknown locality: **RMCA**: 35263.

Liberia:

Belle Yella (07 22 35 N 109 59 54 W, 261 m): **RMCA**: 36290 - Degie (07 05 51 N 10 09 49 W, 203 m): **RMCA**: 74.008-M-0003.

Casinycteris argynnis Thomas, 1910

"Africa":

Unknown locality: **RMCA**: 90.010-M-0009.

Cameroon:

Bitye (0313N 1222E, 2000 ft): **BMNH**: 1911.5.5.1 (Holotype *Casinycteris argynnis*) - Mang (03 20 00 N 14 02 00 E, 608 m): **RMCA**: 75.056-M-0081, 75.056-M-0098 - Meyo Nkoulou (02 16 00 N 11 02 00 E): **RMCA**: 73.018-M-0093, 73.018-M-0188.

Central African Republic:

Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 269915 - Kpoka cave (case?) (03 50 N 17 18 E): **MNHN**: ZM-2011-683.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 84.035-M-0003; **RMNH**: MAM.24558; **SMF**: 6361 - Baliko (00 16 00 S 20 49 00 E, 388 m): **RMCA**: a1.097-M-0412 - Bena Mbala (06 48 00 S 23 47 00 E): **RMCA**: 84.035-M-0001, 84.035-M-0002 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 38652, 38653 - Bomane (01 18 N 23 47 E, 429 m): **UNIKIS**: CRT2093 - Boteka (00 20 00 S 19 06 00 E, 333 m): **RMCA**: 85.030-M-0001 - Djabir (00 32 N 24 05 E, 437 m): **UNIKIS**: DJB035, DJB096 - Epulu (01 23 45 N 28 34 40 E, 750 m): **UNIKIS**: EPLU664 - île Mbiye (00 27 50 N 25 17 14 E, 413 m): **RMCA**: a1.097-M-3180, a1.097-M-3181, a1.097-M-3182, a1.097-M-3183; **UNIKIS**: CHIM013/14, CHIM11, CHIM15, CHIM28 - Irangi (01 54 S 28 27 E): **ZMA**: MAM.24193, MAM.24194 - Irangi (0154S 2827E): **RMCA**: 27430; **SMF**: 64988, 64989, 64990, 64991, 64992, 64993, 64994, 64995, 64996, 64997, 64998, 64999, 65000, 65046, 65052 - Kasai (ca. 06 00 S 22 00 E): **RMCA**: 83.025-M-0021 - Kivu region: **SMF**: 69400 - Kona (02 02 N 22 47 E): **UNIKIS**: CRT1974 - Kumbi: **ZMA**: MAM.24894, MAM.24895 - Kumi (043148S 263300E): **RMNH**: MAM.24894 - Lieki (00 41 11 N 24 11 00 E, 508 m): **UNIKIS**: CRT2052, CRT2061, CRT2079, CRT2092, CRT2281 - Lukonga (05 48 00 S 22 37 00 E, 632 m): **RMCA**: 80.013-M-0003 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 33347, 33348, 33411, 33412 - Lwana (river) (01 56 17 S 28 28 19 E): **ZMA**: MAM.24558 - Lwana (river) (ca. 01 56 17 S 28 28 19 E): **ZMA**: MAM.24559 - Mandima (ca. 01 21 00 N 29 03 00 E): **MHNG**: 1871.091, 1871.092, 1871.093, 1871.094, 1871.095, 1871.096 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0092, 93.079-M-0093, 93.079-M-0094, 93.079-M-0095, 93.079-M-0096, 93.079-M-0097, 93.079-M-0098, 93.079-M-0099, 93.079-M-0100, 93.079-M-0101, 93.079-M-0103, 93.079-M-0104, 93.079-M-0105, 93.079-M-0106, 93.079-M-0107, 93.079-M-0108, 93.079-M-0109, 93.079-M-0110, 93.079-M-0111, 93.079-M-0112, 93.079-M-0113, 93.079-M-0114, 93.079-M-0115, 93.079-M-0116, 93.079-M-0117, 93.079-M-0118, 93.079-M-0119, 93.079-M-0120, 93.079-M-0121, 93.079-M-0122, 93.079-M-0123, 93.079-M-0124, 93.079-M-0125, 93.079-M-0243, 93.079-M-0244, 93.079-M-0246, 93.079-M-0247, 93.079-M-0248, 93.079-M-0249, 93.079-M-0250, 93.079-M-0251, 93.079-M-0252, 93.079-M-0253, 93.079-M-0254, 93.079-M-0255, 93.079-M-0256, 93.079-M-0302, 93.079-M-0303, 93.079-M-0304, 93.079-M-0323, 93.079-M-0324, 93.079-M-0325, 93.079-M-0326 - Masako (00 36 N 25 13 E): **UNIKIS**: CHMS076 - Mbwambala (05 03 00 S 18 55 00 E): **MSB**: 274606; **RMCA**: 97.021-M-0579 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48751 - Obenge (01 23 S 025 02 E): **UNIKIS**: TLL354, TLL356, TLL357, TLL358, TLL359, TLL363, TLL375, TLL376, TLL377, TLL385 - Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL547 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 16211 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 91.076-M-0079, 91.076-M-0080, 92.079-M-0072, 92.079-M-0073, 92.079-M-0074, 92.079-M-0075 - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT1849, CRT1854, CRT2364 - Yoko (00 17 N 25 17 E): **RMCA**: a1.097-M-3184, a1.097-M-3185, a1.097-M-3186, a1.097-M-3187; **UNIKIS**: YK038CH - Zookis (00 31 N 25 12 E, 447 m): **UNIKIS**: CSB1, CSB3, CSB4.

Casinycteris campomaanensis Hassanin, 2014

Cameroon:

Nkoélon-Mvini (02 23.831 N 10 02.691 E, 117 m): **MNHN**: ZM-2011-637.

Casinycteris ophiodon (Pohle, 1943)

Cameroon:

Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 50001.

Congo:

Dimonika (04 13 53 S 12 26 22 E, 250 m): **ZMA**: MAM.19715.

Côte d'Ivoire:

Parc National de Tai (ca. 05 50 N 07 20 W): **ZMA**: MAM.25450, MAM.25451 - Tai (05 52 25 N 07 27 19 W, 252 m): **SMF**: 91850.

Ghana:

Oda (05 55 N 00 56 W, 122 m): **BMNH**: 1946.229 (Holotype *Scotonycteris ophiodon cansdalei*).

Liberia:

Unknown locality: **YPM**: MAM 000179 - Bopolu (07 04 00 N 10 29 15 W, 211 m): **RMCA**: 80.043-M-0011, 80.043-M-0012 - Jaoudi, 12 mi SSE: **AMNH**: 256534 - Old Mine Road (07 33 11 N 08 32 28 W): **BMNH**: 1979.444, 1979.445, 1979.446, 1979.447, 1979.448 - Tars Town (0613N 0808W): **USNM**: 481679, 481681, 481682, 481695.

Epomophorus Bennett, 1836

"Africa":

Unknown locality: **MNHN**: ZM-MO-1893-63, ZM-MO-1985-1180 - Chad, lake (13 20 N 14 10 E): **MNHN**: ZM-MO-1983-1219 - Kesine: **MNHN**: ZM-MO-1893-64, ZM-MO-1893-65.

Benin:

Ajougon (07 59 N 02 17 E, 155 m): **MNHN**: ZM-MO-1983-1369 - Porto Novo National Botanical Garden (06 29 N 02 37 E, 38 m): **ZMA**: MAM.25484, MAM.25485, MAM.25486.

Botswana:

Xugana (1905S 2306E, 975 m): **USNM**: 518609, 518610, 518612, 518613.

Burundi:
Unknown locality: **RMNH**: MAM.45841.
Central African Republic:
Kemo, Upper (ca. 05 45 N 19 45 E): **MNHN**: ZM-MO-1892-2042.
Congo (Democratic Republic of the):
Unknown locality: **RMNH**: MAM.45692 - Katwé (10 27 51 S 27 51 32 E): **MNHN**: ZM-2011-788 - Kilinga (01 10 00 S 28 29 00 E, 1275 m): **INPBC**: V1257.1 - Kipangaribwe river (08 56 S 27 12E, 1760 m): **RBINS**: 10671, 10672, 10673, 10676 - Kitombongo (08 53 56 S 26 23 25 E, 608 m): **MNHN**: ZM-2011-789, ZM-2011-790, ZM-2011-791, ZM-2011-792, ZM-2011-793, ZM-2011-794 - Lubumbashi (114000S 272800E): **MNHN**: ZM-2011-795, ZM-2011-796 - Mukulakulu (09 33 S 25 47 E, 828 m): **MNHN**: ZM-2011-797, ZM-2011-798 - Ndote (00 11 N 29 39 E, 940 m): **INPBC**: W1282 - Panda (10 37 S 26 50 E, 1140 m): **RMCA**: 26210 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V1634.
Ethiopia:
Bahadu (10 11 35 N 40 37 08 E): **USNM**: 589147, 589148 - Koka (08 26 N 39 02 E, 1700 m): **USNM**: 589144, 589145, 589146.
Gabon:
Franceville, mission (01 36 29 S 13 36 55 E): **EBD**: MAM 8809, MAM 8810, MAM 8811, MAM 8812.
Kenya:
Unknown locality: **RMNH**: MAM.41165, MAM.41166, MAM.41167, MAM.41168, MAM.41169, MAM.41170, MAM.41171, MAM.41172, MAM.41173, MAM.41174, MAM.41175, MAM.41176, MAM.41177, MAM.41184, MAM.41359, MAM.41370, MAM.45666, MAM.45667, MAM.45668, MAM.45669, MAM.45670, MAM.45671, MAM.45672, MAM.45673, MAM.45675, MAM.45676, MAM.45677, MAM.45678, MAM.45679, MAM.45680, MAM.45681, MAM.45682, MAM.45683, MAM.45684, MAM.45685, MAM.45686, MAM.45689, MAM.45691, MAM.45693, MAM.45699, MAM.45700, MAM.45701, MAM.45711, MAM.45714, MAM.45715 - Isiolo, 5 mi [= 8 km] SW (ca. 0017N 3733E): **YPM**: MAM 003419, MAM 011081 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **YPM**: MAM 005623, MAM 005727.
Liberia:
Mount Nimba (07 30 00 N 08 30 00 W): **MNHN**: ZM-MO-1992-164, ZM-MO-1992-165, ZM-MO-1992-166.
Mozambique:
Unknown locality: **BMNH**: 1989.63, 1989.64.
Namibia:
Epupa Falls (1701S 1314E): **TM**: 43609, 43610, 43611.
Nigeria:
Enugu state: **SMF**: 92083, 92084, 92085 - Wikki (09 46 10 N 10 31 58 E): **HNHM**: 98.49.2.
Rwanda:
Unknown locality: **RMNH**: MAM.45687.
Senegal:
Unknown locality: **MNHN**: ZM-MO-1983-1637A, ZM-MO-1983-1637B, ZM-MO-1983-1637C, ZM-MO-1983-1637D, ZM-MO-1983-1637E, ZM-MO-1983-1637F, ZM-MO-1983-1637G - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1995-619, ZM-MO-1995-620, ZM-MO-1995-621, ZM-MO-1995-641, ZM-MO-1995-642, ZM-MO-1995-643 - N'gari (12 38 06 N 12 14 52 W, 126 m): **MNHN**: ZM-MO-1995-645.
South Africa:
Unknown locality: **FMNH**: 146094 - Berg Plants farm (23 02 54 S 29 26 48 E): **DNSM**: 13544 - Rynie Park (30 19 00 S 30 44 00 E): **ZMA**: MAM.23624, MAM.23625, MAM.23641, MAM.23665, MAM.23678, MAM.23684, MAM.23685, MAM.23689.
South Sudan:
Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586812, 586822, 586823 - Jebel Gire, Base Camp (04 01 15 N 31 31 15 E): **USNM**: 587620 - Mundari Civil Hospital (03 51 10 N 31 39 26 E, 955 - 965 m): **USNM**: 590933 - Yambio, FFI (Flora & Fauna International) complex (04 34 41 N 28 22 58 E, 669 m): **USNM**: 587281, 587282, 587283, 587284, 587285, 587286, 587287, 587288, 587291, 587292, 587293, 587294, 587295, 587296, 587297, 587298, 587299.
Tanzania:
Unknown locality: **BMNH**: 1989.62; **RMNH**: MAM.15812, MAM.15948, MAM.15949, MAM.15953, MAM.16646, MAM.16796, MAM.16799, MAM.16803, MAM.16808, MAM.26316, MAM.8701, MAM.8702, MAM.8704, MAM.8706, MAM.8707, MAM.8710 - Ambangulu Estate (05 05 S 38 26 E, 1120 - 1300 m): **FMNH**: 182505 - Chimala (0852S 3420E): **YPM**: MAM 004285 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **FMNH**: 182506 - Dar es Salaam University (06 48 00 S 39 17 00 E): **FMNH**: 182490, 182491, 182492, 182493, 182494, 182495 - Kiwengoma Forest Reserve (0821S 3855E): **FMNH**: 182511, 182512 - Mazumbai Forest Reserve (04 25 S 38 15 E, 1500 m): **FMNH**: 182496, 182497, 182498, 182499, 182500, 182503, 182504 - Mchungu Forest Reserve (074115S 391615E): **FMNH**: 182507, 182508, 182509, 182510 - Morogoro (06 48 S 37 40 E, 560 m): **MCZ**: 22776, 22777 - Ukami Forest Reserve (0753S 3623E): **FMNH**: 182670.
Uganda:
Unknown locality: **BMNH**: 1971.960 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 165097 - Pope Pius X Seminary (00 46 N 34 02 E, 1071 m): **ZMA**: MAM.13351, MAM.13353, MAM.13354, MAM.13356, MAM.13358, MAM.13363, MAM.13364, MAM.13366, MAM.13368.
Zambia:
Zambezi River, middle, N of (13 33 S 23 07 E): **MNHN**: ZM-MO-1897-621.

Epomophorus angolensis Gray, 1870

Angola:
Unknown locality: **RMNH**: MAM.25752 - Ambriz (0750S 1309E): **RMNH**: MAM.25753 - Benguela (12 34 42 S 13 24 26 E, 39 m): **BMNH**: 1864.8.16.2; **MZUF**: 6184; **ZMB**: 10012, 10013, 10068, 3648, 4238 - Benguella [= Benguela] (123435.58S 132419.98E): **BMNH**: 1864.1.9.4 (Holotype *[Epomophorus macrocephalus] var. angolensis*) - Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 88071 - Concórdia (1212S 1502E): **ZMB**: 41802 - Fazenda Bumbo (ca. 1512S 1300E, ca. 700m): **MDL**: 11180 - Fazenda Cacanda (14 46 00 S 13 21 00 E, 906 m): **RMCA**: 34461 - Fazenda Cacanda (14.88S

13.13E): **IICA**: 651 - Hanha (1215S 1343E): **AMNH**: 85520, 85523 - Huila (15.13S 13.63E): **FMNH**: 83590, 83591, 84035, 84036, 84037, 84038, 84039, 84040, 84041, 84042, 84043, 84044, 84045, 84046, 84047 - Kuvango Mission (14 28 00 S 16 18 00E, 1448 m): **MHNN**: 94.1133 - Luanda (08.88S 13.38E): **IICA**: 12 - Luanda (0850S 1315E): **ZMB**: 54932 - no specific locality: **ZMB**: 3632 - Quipungo (14.88S 14.63E): **IICA**: 319 - Quiteve (16.13S 15.13E): **IICA**: 2558 - Sá da Bandeira (145500S 133000E, 1718 m): **IICA**: 1274 - Tchivinguiro (15.13S 13.38E): **IICA**: 121.

Namibia:

Cunene River: **BMNH**: 1925.12.4.3 - Damaraland: **ZMB**: 3603, 3885, 3886 - Ondangua (1745S 1559E): **BMNH**: 1925.12.4.8, 1925.12.4.9 - Ondongera (3380 ft): **BMNH**: CN1441 - Ondongwa (3378 ft): **BMNH**: CN1455 - Opuwo, 70 km NW (17.47S 13.03E): **LACM**: 58934 - Otjumbumbi (1721S 1427E): **BMNH**: 1925.12.4.2; **KM**: 1563 - Otjumbumbi (3400 ft): **BMNH**: CN1309, CN1326 - Rua Cana (1722S 1414E): **SMW**: M-2717 - Ruacana (17.38S 14.38E): **SMW**: 2717 - Sesfontein (19.13S 13.88E): **SMW**: 8212 - Sesfontein (1907S 1339E): **SMW**: M-8212, M-8306, M-8309 - Swartbooisdrift (17.33S 13.85E): **SMW**: 6846 - Swartbooisdrift (1720S 1350E): **SMW**: M-6847; **TM**: 11174 - Tshimhaka (1720S 1350E): **BMNH**: 1928.9.11.61, 1929.12.61 - Ukualukasi (1732S 1437E): **BMNH**: 1925.12.4.4, 1925.12.4.5, 1925.12.4.6; **KM**: 1558, 1559, 1561, 1562 - Ukualukasi (1732S 1437E, 3400 ft): **BMNH**: CN1359, CN1405, CN1427, CN1428, CN1429, CN1430, CN1431, CN1432, CN1433.

Epomophorus anselli Bergmans and Van Strien, 2004

Congo (Democratic Republic of the):

Kitombongo (08 53 56 S 26 23 25 E, 608 m): **MNHN**: ZM-2011-726.

Malawi:

Karonga (09 56 S 33 56 E, 477 m): **NMMB**: 74ROM923, 74ROM929, 74ROM937, 74ROM940 - Lifupa Camp (13 03 S 33 09 E, 1050m): **ZMA**: MAM.26105 (Paratype *Epomophorus anselli*) - Lisanthu (13 00 S 33 10 E, 1000m): **ZMA**: MAM.21693b (Holotype *Epomophorus anselli*).

Epomophorus crypturus Peters, 1852

"Africa":

Unknown locality: **BMNH**: 1871.7.3.1; **MNHN**: ZM-2007-78, ZM-MO-1929-474AC.

Angola:

Lago Calundo (11.72S 20.8E): **BMNH**: 1963.1024 - Lake Calundo [= Lac Calundo] (1148S 2052E, 1150m): **MDL**: 5624, 5766 - Luiana Camp: **CM**: 40477, 40478 - Lulana Camp (17.63S 23.38E): **CM**: 40476.

Botswana:

Unknown locality: **ISU**: 1246 - Chobe NP, Kasane (17.8S 25.15E): **NHMZ**: 63726 - Four Rivers Camp (19.12S 23.12E): **NHMZ**: 54086 - Kurunxaraga (19.47S 22.83E): **NHMZ**: 80143 - Maun (19 59 S 23 25 E, 927 m): **FMNH**: 38489, 38490, 38491, 38492; **NHMZ**: 63727; **SMNS**: 5034; **TM**: 6556 - Moremi Game Reserve (19 22 04 S 23 03 26 E): **NHMZ**: 63710 - Pom Pom (19.5S 22.75E): **NHMZ**: 80141 - Sepopa (18.62S 22.12E): **NHMZ**: 63721 - Sepopa (1837S 2207E): **USNM**: 425255, 425256 - Shakawe (18 21 S 21 52 E, 983 m): **AMNH**: 168102; **HZM**: 27.4238; **USNM**: 425248, 425249, 425250, 425251, 425252, 425253, 425254, 425257, 425258, 425259, 425260, 425261, 425262, 425263, 478517, 478518, 478519, 478520, 478521, 478522, 478523, 478524 - Shakawe, near (18 22 S 21 51 E): **AMNH**: 217105, 217106, 217107, 217108, 217109, 217110, 217111 - Shorobe (19.75S 23.5E): **NHMZ**: 63713 - Xugana (19.08S 23.1E): **USNM**: 518607 - Xugana (1905S 2306E): **USNM**: 518605, 518606, 518608, 518611 - Xugana Island (1905S 2306E): **AMNH**: 269181, 269182, 269183, 269184, 269185, 269186, 269187.

Central African Republic:

Unknown locality: **MNHN**: ZM-MO-1983-1238.

Congo (Democratic Republic of the):

Unknown locality: **RBINS**: 6283 - Cel I (04 21 00 N 29 17 00 E, 742 m): **RMCA**: 36546 - Cel II (ca. 03 55 00 N 29 22 00 E): **RMCA**: 36547, 36552 - Dikulwe river (10 45 S 25 22 E): **BMNH**: 1907.12.13.2 - Elisabethville (114000S 272600E, 1209 m): **RMCA**: 13316, 16208, 26268, 26269, 26270 - Gandu: **ZMB**: 54663 - Ganza (09 14 17 S 26 41 48 E, 860 m): **RBINS**: 10665 - Garamba National Park (04 10 00 N 29 30 00 E): **RMCA**: 36553 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RBINS**: 14595; **RMCA**: 26254, 27591, 27916, 27917, 27918 - Kakanda cave (104700S 263600E, 1438 m): **BMNH**: 1955.136 - Kakanda Mutaka (104400S 262300E): **RMCA**: 21874, 21875 - Kakontwa (10 59 00 S 26 40 00 E, 1253 m): **RBINS**: 14597 - Kakontwe (105900S 264000E, 1253 m): **MHNG**: 1046.035; **RBINS**: 14596; **RMCA**: 26716, 26776 - Kaloba, 5 km from (ca. 10 16 S 27 37 E): **MNHN**: ZM-2011-743, ZM-2011-744, ZM-2011-745, ZM-2011-746, ZM-2011-747, ZM-2011-748, ZM-2011-749, ZM-2011-750, ZM-2011-751, ZM-2011-752, ZM-2011-753, ZM-2011-754, ZM-2011-755 - Kanzenze mission (103100S 251200E, 1157 m): **BMNH**: 1954.786; **RBINS**: 13107; **RMCA**: 22485, 22486, 22491 - Kasaji (10 22 00 S 23 27 00 E, 1087 m): **CM**: 21806 - Kasaji (102200S 232700E, 1087 m): **RMCA**: 21806 - Kasapa (113400S 272500E, 1243 m): **RBINS**: 18779, 18780, 18841, 18842, 18843 - Kasebere (01 49 00 S 28 45 00 E): **RMCA**: 36245, 38569 - Kasenga mission (102200S 283800E, 938 m): **RMCA**: 26273 - Kasombo: **MNHN**: ZM-2011-756 - Katanga (ca. 10 00 S 27 30 E): **RMCA**: 16210, 16248 - Katwé (10 27 51 S 27 51 32 E): **MNHN**: ZM-2011-757, ZM-2011-758 - Kimpoko (04 14 04 S 15 33 01 E, 294 m): **RMCA**: 80.038-M-0002 - Kipangaribwe river (08 56 S 27 12E, 1760 m): **RBINS**: 10667 - Kitombongo (08 53 56 S 26 23 25 E, 608 m): **MNHN**: ZM-2011-759, ZM-2011-760, ZM-2011-761, ZM-2011-762, ZM-2011-763, ZM-2011-764, ZM-2011-765 - Kolwezi (10 43 00 S 25 28 21 E, 1448 m): **OSU**: 3817 - Lubumbashi (11 40 00 S 27 28 00 E, 1208 m): **RMCA**: 34712, 34713 - Lubumbashi (114000S 272800E): **MNHN**: ZM-2011-766, ZM-2011-767, ZM-2011-768, ZM-2011-769, ZM-2011-770, ZM-2011-771, ZM-2011-772, ZM-2011-773, ZM-2011-774 - Lubumbashi (1140S 2728E): **RBINS**: 17207 - Lulimba (044136S 283754E, 877 m): **RMCA**: 22355 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 31557 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **RMCA**: 35071b - Maboya (00 19 00 N 29 20 00 E, 1374 m): **RMCA**: 38565 - Mabwe (08 39 00 S 26 31 00 E, 574 m): **RBINS**: 10670 - Mount Wago (014500N 304000E, 2240 m): **RMCA**: 20803 - Mukulakulu (09 33 S 25 47 E, 828 m): **MNHN**: ZM-2011-775, ZM-2011-776, ZM-2011-777 - Muvule, cave 4 km from (ca. 09 11 S 27 13 E): **MNHN**: ZM-2011-778, ZM-2011-779 - Panda Camp (10 58 53 S 26 44 00 E, 1318 m): **RMCA**: 27594 - Pandé, forest N of (ca. 10 37 S 26 50 E, 1100 m): **MNHN**: ZM-2011-727, ZM-2011-728, ZM-2011-729, ZM-2011-730, ZM-2011-731, ZM-2011-732, ZM-2011-733, ZM-2011-734, ZM-2011-735, ZM-2011-736, ZM-2011-737, ZM-2011-738, ZM-2011-739, ZM-2011-740, ZM-2011-741, ZM-2011-742 - Pempere cave (10 58 00 S 26 47 00 E): **RMCA**: 27607 - Sakania mission (124500S 283400E, 1278 m):

RMCA: 19418 - Upemba National Park (09 00 S 26 45 E): **MNHN**: ZM-2011-780 - Wago (mount) (014500N 300400E, 2240 m): **RMCA**: 23149.

Malawi:

Administration Camp (12 55 00 S 33 07 00 E, 1000m): **ZMA**: MAM.21693a, MAM.30030 - Cape Maclear (14 01 00 S 34 51 00 E, 562 m): **FMNH**: # - Chikwawa (1603S 3447E, 120m): **NMMB**: 74ROM920, 74ROM925, 774ROM926 - Cholo (16 04 00 S 35 08 00 E, 905 m): **BMNH**: 1922.12.17.3 - Karonga (09 56 S 33 56 E, 477 m): **HZM**: 4.2199; **NMMB**: 74ROM941, 74ROM942 - Likablila Mission (15.95S 35.48E): **BMNH**: 1894.1.25.23 - Likabula (15 58 00 S 35 29 00 E, 760 m): **AMNH**: 161851, 161852 - Lisanthu (13 00 S 33 10 E, 1000m): **ZMA**: MAM.30031 - Liwonde (15 04 S 35 13 E, 507m): **NMMB**: 74ROM927 - Lumenda (16 18 00 S 34 40 00 E): **WAM**: M25713 - Luzi banana plantation (11 49 00 S 34 02 00 E): **WAM**: M41607 - Mandala (154700S 345900E): **NMMB**: 1082, 1083 - Mandala (1547S 3500E, 1000m): **NMMB**: 74ROM915, 74ROM916, 74ROM922 - Manyowa Hill, Mitsidi: **NMMB**: 74ROM921, 74ROM924 - Mlanje (1605S 3529E): **MCZ**: 43762 - Muona Mission (16 25 S 35 10 E, 100m): **ZMA**: MAM.26101 - Mwamyesya banana plantation (09 56 00 S 33 48 00 E): **WAM**: M41433, M41437 - Namazo Bay (14 10 00 S 34 59 00 E, 522m): **ZMA**: MAM.25795 - Ncheu [=Ntcheu] (14 49 S 34 38 E, 1081 m): **TM**: 9156, 9159, 9160, 9161 - Salima-Senga Bay (13 43 S 34 38 E, 475m): **ZMA**: MAM.25796 - Sunnyside (1547S 3500E, 1000m): **NMMB**: 74ROM938 - Zomba (152300S 352000E): **BMNH**: 1895.12.7.2 - Zomba town (1523S 3519E): **BMNH**: 1894.6.7.1.

Mozambique:

Unknown locality: **RMNH**: MAM.2545 - Beira (1949S 3452E): **USNM**: 367454 - Lumbo (150038S 403959E): **BMNH**: 1922.7.17.25 - Lumbo (1500S 4040E): **BMNH**: 1922.7.17.24, 1922.7.17.26, 1922.7.17.27, 1922.7.17.28 - Mague (New) Boroma (1549S 3144E): **USNM**: 365124, 365125, 365127, 365128, 365130, 365132, 365133, 365134 - Mague [= Mphende] (15.82S 31.73E): **USNM**: 365123 - Mague, new (1549S 3144E): **USNM**: 365126, 365129, 365131 - Maputo Camp (12 10 56 S 37 33 01 E): **DNSM**: 8658 - Marromeu, Coutada 1 (18.25S 35.75E): **NHMZ**: 84003 - Masembeti (19 36 34 S 34 44 35 E): **BMNH**: 1907.6.2.10 - Meponda (13 24 05 S 34 52 14 E, 590 m): **DNSM**: 8657 - Namapa (13 29 42 S 39 47 03 E): **DNSM**: 8629 - Pemba (13 00 23 S 40 31 25 E): **DNSM**: 8630 - Pemba, SW of (13 00 23 S 40 31 25 E): **DNSM**: 8632 - Ribaue, 27 km W (14 58 15 S 38 04 46 E, 587 m): **DNSM**: 8656 - Shupanga (180116S 353351E): **BMNH**: 1864.1.9.6 - Tete (160923S 333512E): **BMNH**: 1899.8.3.2, 1908.4.3.8 - Tete, near (160923S 333512E): **BMNH**: 1899.8.3.1 - Tette [=Tete] (1610S 3335E, 230 m): **ZMB**: 10018 (Paralectotype *Epomophorus crypturus*), 10019 (Paralectotype *Epomophorus crypturus*), 10021, 10078 (Paralectotype *Epomophorus crypturus*), 10080 (Lectotype *Epomophorus crypturus*), 10081 - Zinave, 30 mi NE (ca. 2127S 3351E): **AMNH**: 216400.

Namibia:

Chobe River Farm: **TM**: 12341 - Kongola ferry area (1745S 2320E): **TM**: 17057 - Lisikili, lake (1727S 2410E): **TM**: 11646 - Nampini (17 51 S 23 20 E, 2900 ft): **AMNH**: 146782; **KM**: 17147; **TM**: 12342, 12343, 12344, 12345 - Omega (1803S 2211E): **SMW**: 9909 - Sangwali (1816S 2328E): **TM**: 17108.

South Africa:

Barberton (2545S 3102E): **TM**: 43510, 43511, 43607 - Barberton (2547S 3103E): **TM**: 29482, 29483, 29484, 29485, 29486, 29487, 29488, 29489, 29490 - Cypris (3358S 2536E): **YPM**: MAM 007552 - Dzundwini (22 46 S 31 10 E): **TM**: 29967 - Farm Greefswald 37MS (2212S 2923E): **TM**: 20340, 20372 - Farm Makalali (23 59 S 31 50 E): **TM**: 38260, 38261 - Farm Othawo 242, Sabie Sand Private Nature Reserve (2445S 3126E): **TM**: 24034 - Hectorspruit (25 26 00 S 31 41 00 E, 245 m): **TM**: 1061, 13537 - Inkomati River: **TM**: 1187, 1188, 1189, 1190 - Klaserie-Olifant River Confluence (2405S 3114E): **TM**: 7253 - Komati River (2526S 3157E): **TM**: 990 - Letaba Camp (23 51 16 S 031 34 17 E): **KNP**: 96 - Letaba Highwater Bridge (23 48 40 S 31 34 56 E): **AMNH**: 257144 - Malelane Rangers Quarters (25 28 38 S 31 30 41 E): **KNP**: 91 - Maritzburg (293700S 302300E): **USNM**: 292065 - Matukwala Dam (22 40 56 S 30 57 46 E): **TM**: 29942 - Mimbo, on Limpopo (2220S 3058E): **TM**: 24660 - Nelspruit (2528S 3059E): **TM**: 13951 - Newington, 11 km N (2448S 3117E): **TM**: 17278 - Newington, 7 mi N (2445S 3125E): **TM**: 17277, 17279, 17280, 17281, 17282, 17283 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 48605, 48606, 48607 - Pongola, 9 Jan Kemlaan (2722S 3136E): **TM**: 17372 - Port Natal [=Durban] (29 51 S 31 01 E): **ZMB**: 3917, 4756 - Pretoriuskop (25 10 13 S 31 16 03 E, 613 m): **KNP**: 108 - Pretoriuskop Rest Camp (25 10 13 S 31 16 03 E, 613 m): **KNP**: 16, 17, 18, 19 - Punda Malia (2241S 3101E): **TM**: 12986, 12987 - Punda Maria Rest Camp (22 41 00 S 31 01 00 E): **KNP**: 52, 53 - Punda Milia Camp (22 41 51 S 31 01 12 E, 580 m): **TM**: 12985 - Shashanga windmill (22 39 S 30 59 E): **CM**: 69658 - Shepstone, 48 km NE (30 23 00 S 30 42 00 E): **CM**: 40968, 40970 - Sibasa (2258S 3029E): **TM**: 7473, 7474, 7474a, 7475, 7476, 7477, 7478, 7479, 7480, 7481, 7482, 7483, 7484, 7485, 7486, 7487 - Soutpansberg (22 58 48 S 30 15 00 E): **BMNH**: 1909.3.2.3 - Ten Bosch Estates: **TM**: 24842 - Ten Bosch Estates (2520S 3150E): **TM**: 24832, 24833, 24834, 24835, 24836, 24837, 24838, 24839, 24840, 24841 - Tshokwane (24 46 35 S 31 51 21 E): **KNP**: 57 - Tzaneen Estate (23 48 S 30 10 E): **TM**: 979 - Umzumbi Mission (30 34 00 S 30 26 00 E): **AMNH**: 81863.

Swaziland:

Big Bend (2646S 3154E): **TM**: 45553 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **DNSM**: 8035.

Tanzania:

Liwale (09 46 S 37 56 E, 468 m): **BMNH**: 1964.1333; **HZM**: 2.1347, 3.1359, 39.6343 - Nachingwea (10 23 S 38 46 E, 380 m): **HZM**: 10.2791, 11.2792, 12.2793, 33.4822, 34.4823, 9.2790 - Newala (105600S 391800E): **HZM**: 32.4746, 37.5233, 41.6651 - Newala (1057S 3918E): **HZM**: 35.5231, 36.5232, 40.6650 - Ugano plantation (1106S 3455E): **NMW**: B 5112.

Zambia:

Unknown locality: **HZM**: 45.11544; **QM**: JM6342 - Balovale (13 33 00 S 23 07 00 E, 1090 m): **BMNH**: 1959.610 (Holotype *Epomophorus gambianus parvus*), A-9172; **KM**: 1565 - Broken Hill (1429S 2825E): **BMNH**: 1932.9.1.246 - Chilanga (15 33 00 S 28 17 00 E, 1220 m): **AMNH**: 218964; **BMNH**: 1966.5414; **HZM**: 69.11569 - Chilwa Island (14.13S 27.63E): **BMNH**: 1955.1061 - Chipata (133800S 323900E): **BMNH**: 1937.12.8.1 - Chirundu (15 57 05 S 28 51 41 E): **WAM**: M32688, M32689, M32705, M32707, M32711, M32712, M32714, M32716, M32720 - Choma, 12 mi [= 19 km] NW (ca. 1641S 2650E, 1234 m): **FMNH**: 152194, 152195, 152196, 152197, 152198, 152199, 152200, 152201, 152202, 152203, 152204, 152205, 152206, 152207 - Confluence of Kafue and Zambezi rivers, Zambezi Farm (ca. 15 56 30 S 28 54 45 E): **WAM**: M32685, M32690, M32698, M32699, M32700, M32701, M32702, M32703, M32704, M32706, M32708, M32709, M32710, M32713, M32715, M32717, M32718, M32719, M32721 - Fort Jameson [= Chipata] (13.62S 32.65E): **KM**: 1569 - Kabompo [=Kabompo Boma] (1336S 2412E, 1027 m): **RMCA**: 29246 - Kabompo Boma (133600S 241200E, 1027 m): **RMCA**: 28067 - Kabulonga (1525S 2821E): **HZM**: 52.11551, 63.11563 - Kalabo (14 58 S 22 41 E, 1019 m): **BMNH**: 1966.5415, 1966.5424, 1966.5425, 1968.993; **HZM**: 58.11558 - Kalomo: **TM**: 43606 - Kasempa Boma (1327S 2550E, 1208 m): **KM**: 13488 - Kazungula (1747S 2516E, 722 m): **FMNH**: 38493, 38494, 38495 - Limulunga (150600S 230900E, 1024 m): **AMNH**: 115820 - Livingstone (17 51 00 S 25 52 00 E, 3030 ft): **WAM**: M29073, M29074, M29075,

M29076, M29077 - Lochinvar ranch (1551S 2714E): **HZM**: 50.11549 - Luangwa Valley, Petauke (14.05S 31.08E): **KM**: 9909 - Luanshya (1304S 2824E): **HZM**: 7.2542, 8.2543 - Luanshya (130800S 282400E, 1228 m): **AMNH**: 168098, 168099, 169161 - Lufupa camp [site 2] (14 36 56 S 26 11 27 E): **NMZL**: ECJS-26/2008, ECJS-28/2008 - Lufupa camp, around thatched buildings [site 6] (14.617350S 26.191700E): **NMZL**: ECJS-57/2008 - Lufupa camp, open woodland adjacent to flooded grassland [site 4] (14.603450S 26.189790E): **NMZL**: ECJS-45/2008, ECJS-47/2008 - Lusaka (15.42S 28.27E): **BMNH**: 1966.5416 - Lusaka (152500S 281700E): **HZM**: 29.4707, 30.4727, 31.4740 - Lusaka (152500S 281700E, 1270 m): **AMNH**: 218965, 218966 - Lusaka (1526S 2820E): **BMNH**: 1966.5426; **HZM**: 48.11547, 62.11562 - Lusake, 6 mi NE (1525S 2821E): **HZM**: 47.11546, 53.11552, 56.11556, 57.11557, 59.11559, 65.11565 - Machiya ferry (1339S 2738E): **BMNH**: 1966.5423 - Magoye research station (1600S 2740E): **HZM**: 42.7597 - Mazabuka (15.83S 27.73E): **BMNH**: 1955.1055 - Mazabuka (155200S 274600E): **BMNH**: 1955.1056, 1955.1057, 1968.113, 1968.114, 1968.117, 1968.118, 1968.119, 1968.120, 1968.121 - Mazabuka (1552S 2745E): **BMNH**: 1955.1058 - Mfuwe (1305S 3147E): **BMNH**: 1968.990 - Mfuwe Game Camp (1305S 3147E): **BMNH**: 1968.112, 1968.991 - Mnyombe: **HNHM**: 76.150.1 - Mongu (15.15S 23.17E): **KM**: 1583 - Mongu (1516S 2308E): **HZM**: 68.11568 - Mporokoso (0922S 3006E): **KM**: 9286 - Muyombe (1035S 3228E): **HZM**: 70.11570 - Ndanda Dambo (14.75S 23.75E): **NHMZ**: 33279 - Ndola (125800S 283800E): **HZM**: 6.2541 - Ndola (1300S 2839E): **HZM**: 5.2229 - Nkane-Kitwe (1250S 2811E): **NHMZ**: 20393 - Pwira Pan (1354S 2751E): **BMNH**: 1966.5418, 1966.5419, 1966.5420, 1966.5421, 1966.5422 - Senenga, 50 km NE (15.62S 23.37E): **NHMZ**: 33281 - Sihole (1522S 2237E): **FMNH**: 95208, 95209, 95210, 95211 - Sikongo (1500S 2210E): **FMNH**: 95205, 95206, 95207, 95212 - Solwezi Boma (1211S 2624E, 1366 m): **BMNH**: 1955.1054 - South Luangwa Valley, Mfuwe (13.08S 31.78E): **BMNH**: 1966.5417 - Wenela (15 00 S 22 37 E): **BMNH**: 1968.992, 1968.994, 1968.995.

Zimbabwe:

Angwa River: **MNHN**: ZM-MO-1990-912, ZM-MO-1990-913, ZM-MO-1990-914, ZM-MO-1990-915, ZM-MO-1990-916, ZM-MO-1990-917 - Atlantica Ecological Research Station (1753S 3047E): **ROM**: 64517-a - Avondale (174746S 310205E, 1476 m): **AMNH**: 213041 - Bembesi (2000S 2845E): **FMNH**: 152254, 152255, 152256, 152257, 152258, 152259, 152260, 152261, 152262, 152263, 152264, 152265, 152266, 152267, 152268 - Benzie's Bridge, Shangani R (18.81S 27.9E): **NHMZ**: 33625 - Braeside (175034S 310351E, 1477 m): **AMNH**: 213042 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **HZM**: 1.376; **NHMZ**: 55972, 7174 - Chikwarakwara, Pesu R Gorge (22.28S 31.2E): **NHMZ**: 84099 - Chinanga Dam (17.12S 32.87E): **NHMZ**: 32407 - Chipinga (2012S 3228E): **BMNH**: 1966.6154 - Chlkwarakwara, Pesu R Gorge (22.28S 31.2E): **NHMZ**: 84100 - Concession, 10 km NW (1723S 3057E): **CM**: 40973 - Cyrene: **HZM**: 43.8376 - Dahlia, 4 mi [=6.5 km] E (1838S 2713E): **FMNH**: 152208 - Dett (1837S 2652E, 914 m): **FMNH**: 152209, 152210, 152211, 152212, 152213, 152214, 152215, 152216, 152217, 152218, 152219, 152220, 152221, 152222, 152223, 152224, 152225, 152226, 152227, 152228, 152229 - Dwala Ranch (21.12S 29.64E): **NHMZ**: 30585 - Fairfield park (1923S 3032E): **HZM**: 22.3968, 24.3970 - Greendale (174851S 310738E): **ROM**: 33777 - Gurungwe (Farm) (164431S 304948E): **USNM**: 382641 - Hatfield (1753S 3105E): **AMNH**: 213043; **USNM**: 368603 - Henderson Research Station (17.62S 30.87E): **USNM**: 425265 - Henderson Research Station (1737S 3052E): **USNM**: 425266 - Highlands (17.8S 31.12E): **USNM**: 368604 - Highlands (174741S 310631E): **MNHN**: ZM-MO-1969-34 - Highlands (174827S 310517E, 1474 m): **AMNH**: 213044, 213045 - Hoya River Camp (16.25S 31.25E): **NHMZ**: 84366 - Irene Farm (18 23 S 31 37 E): **ZMA**: MAM.19804, MAM.19805 - Kabuba Camp (18.28S 28.08E): **NHMZ**: 33734 - Kambuzuma Township (17 51 16 S 30 58 02 E, 1444 m): **MNHN**: ZM-MO-1969-35 - Kariba, 6 km E (1632S 2852E): **CM**: 40974, 40975, 40976 - Kudzwe River, near (16 47 S 32 31 E): **MNHN**: ZM-MO-1990-135, ZM-MO-1990-138, ZM-MO-1990-139, ZM-MO-1990-141, ZM-MO-1990-147, ZM-MO-1990-148, ZM-MO-1990-149 - Lumane Valley (20.58S 28.83E): **NHMZ**: 31427 - Lutope-Ngolangola R Confluence (18.28S 28.08E): **NHMZ**: 33640 - Malapati Game Reserve (2156S 3124E): **ROM**: 70821 - Marivalle Ranch (18.75S 29.75E): **NHMZ**: 84492 - Marondera (18.12S 31.62E): **NHMZ**: 32813 - Mashonaland province (1700S 3100E): **CM**: 325 - Matetsi SA, Tshope vlei (18.62S 25.87E): **NHMZ**: 31632 - Mazoe Citrus Estate (1707S 3052E): **TM**: 41876 - Miami, 4 mi E (1640S 2949E): **HZM**: 18.3929 - Mtshavezi Valley (20.62S 28.62E): **NHMZ**: 30067 - Musengezi River Confluence (16 15 S 30 45 E): **NHMZ**: 84401 - Mzola Camp (18.62S 27.37E): **NHMZ**: 32668 - Nampini (ca. 17 55 S 25 52 E): **AMNH**: 146784; **SMF**: 19552 - Norton, 18 mi W: **HZM**: 15.3882 - Nuanetsi Ranch Headquarters (213001S 304738E): **ROM**: 64899, 64910, 64911, 64915, 64922 - Nyadiri R (17.12S 32.12E): **NHMZ**: 32409 - Nyamunyeche, Mvurwi (16.77S 30.95E): **NHMZ**: 58073 - Retreat Farm (2014S 3102E): **ROM**: 64004, 64987, 64988, 64996, 64997, 65004 - Sabi-Lundi junction (2015S 3220E): **KM**: 17573; **TM**: 10754 - Salisbury (174904S 310241E): **HZM**: 16.3912, 17.3928; **ROM**: 6457 - Salisbury (174904S 310241E, 1480 m): **ROM**: 51064, 51065 - Salisbury (1750S 3103E): **HZM**: 19.3938, 23.3969, 26.3972; **USNM**: 382642, 425267 - Selukwe (19 40 00 S 30 00 00 E, 1501 m): **AMNH**: 180374 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 30817, 31639 - Southerton (175149S 310109E): **FMNH**: 95143, 95144; **ROM**: 33778; **USNM**: 368602 - Umfuli River: **BMNH**: 1896.5.18.1 - Umtali (18 58 29 S 32 39 20 E, 1094 m): **HZM**: 14.3706 - Victoria Falls (17 55 00 S 25 51 00 E): **KU**: 135655 - Volunteer Farm (18.91S 27.7E): **NHMZ**: 33737 - Wankie-NP (1845S 2658E, 914 m): **FMNH**: 152230, 152231, 152232, 152233, 152234, 152235, 152236, 152237, 152238, 152239, 152240, 152241, 152242, 152243, 152244, 152245, 152246, 152247, 152248, 152249, 152250, 152251, 152252, 152253, 152269 - Zambesi-Chewore junction: **HZM**: 21.3940 - Zambezi-Cherowe Junction (1538S 2954E): **HZM**: 20.3939 - Zimbabwe National Park (201800S 305700E): **AMNH**: 245127, 245128, 245129, 245130, 245131, 245132, 245133, 245134, 245135, 245136; **ROM**: 70822.

Epomophorus dobsonii Bocage, 1889

Angola:

Unknown locality: **RMNH**: MAM.12753 - Alto Chicapa, R. Luica, affluent of R. Cuango-Muqué (1046S 1912E, ca. 1270m): **MDL**: 5423 - Alto Zambeze, Calunda (1207S 2328E, 1500m): **MDL**: 11176a, 11176b - Ballundo (12.13S 15.88E): **BMNH**: 1908.2.12.2 - Calunda (12.13S 23.38E): **BMNH**: 1963.1013 - Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 85521, 85522, 88067, 88068 (Neotype *Epomophorus Dobsonii*), 88069, 88072, 88073, 88074, 88076, 88077, 88079, 88080, 88081, 88082, 88083, 88084, 88085, 88086, 88087, 88088, 88089, 88090, 88091, 88092, 88370; **KU**: 125196 - Gabela, 30 km S (11 07 S 14 22 E): **FMNH**: 84020 - Kalonga [= Calonga] (12.13S 17.13E): **BMNH**: 1905.5.9.3 - Moco, mount (1230S 1510E): **FMNH**: 84030, 84031 - Monte Soque (12 24 S 15 10 E): **FMNH**: 84022, 84023, 84024, 84025, 84026, 84027, 84028, 84029, 84032.

Botswana:

Chobe NP, Kasane (17.8S 25.15E): **NHMZ**: 63732.

Congo (Democratic Republic of the):

Elisabethville (11 40 00 S 24 26 00 E, 1209 m): **RBINS**: 6280; **ZMA**: MAM.20163 - Elisabethville (11 40 S 27 26 E, 1209 m): **BMNH**: 1957.432 - Kambove (10 50 00 S 26 39 00 E): **BMNH**: 1907.12.13.1 - Kanzenze mission (103100S 251200E, 1157 m): **RBINS**: 1790, 1790B, 1811a, 1811b - Kasende (05 56 56 S 22 32 18 E, 619 m): **MCZ**: 31738 - Katentania (10 19 00 S 25 54 00 E, 1597 m): **RMCA**: 8243 - Kipangaribwe river (08 56 S 27 12E, 1760 m): **RBINS**: 10664, 10666, 10668, 10669, 10674, 10675, 10678 - Mwera (111900S 271800E): **RMCA**: 23945 - Vinamont farm (114100S 272900E): **RMCA**: 26267.

Malawi:

Unknown locality: **RMNH**: MAM.25475; **SMF**: 88296 - Administration Camp (12 55 00 S 33 07 00 E, 1000m): **ZMA**: MAM.21689 - Chilinda Camp (10 35 S 33 48 E, 2300m): **ZMA**: MAM.26142 - Lifupa Camp (13 03 S 33 09 E, 1050m): **ZMA**: MAM.21688 - Lisanthu (13 00 S 33 10 E, 1000m): **ZMA**: MAM.21692 - Lisanthu, 15 mi [=24 km] NE (12 53 S 33 03 E, ca. 1100m): **ZMA**: MAM.21690, MAM.21691 - Livingstonia (10 36 22 S 34 06 23 E, 1276 m): **BMNH**: 1934.6.4.1 - Misuku-Mughese Mission (= Mugesse, Misuku) (09 41 02 S 33 27 29 E, 1500m): **ZMA**: MAM.26143 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.26138, MAM.26139, MAM.26140 - Nkhata Bay (11 36 S 34 18 E, 471 m): **BDUMZ**: #; **ZMA**: MAM.26141.

Rwanda:

Rubona (021900S 295600E, 1346 m): **RBINS**: 16037.

Tanzania:

Kibwele (08 34 32 S 35 19 55 E): **SMF**: 62863, 66945 - Tabora (05 01 00 S 32 48 00 E, 1212 m): **ZMB**: A.239.10.

Zambia:

Abercorn (08 50 S 31 23 E, 1656 m): **BMNH**: 1966.5402, 1966.5403, 1966.5404, 1966.5405, 1966.5406, 1966.5407; **HZM**: 1.1953, 2.2081, 3.2460, 4.2465, 7.3031, 8.3032; **KM**: 18128; **RBINS**: 13109; **RMCA**: 35417 - Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115819, 115821; **KM**: 1564 - Chavuma area (13.08S 22.68E): **HZM**: 62862 - Chavuma Area (130400S 224100E): **HZM**: 6.2862 - Chipangali, Chipata (13.12S 32.87E): **BMNH**: 1966.5473 - Chipengali area (1332Bb): **BMNH**: 1966.5474, 1966.5475 - Fort Jameson (1338S 3239E): **NHMZ**: 20015, 20020, 20044 - Kabompo Boma (133600S 241200E, 1027 m): **RMCA**: 28068 - Kabompo, NE (13.08S 24.62E): **HZM**: 2.2801 - Kafue River (1405S 2723E): **FMNH**: 96267; **NHMZ**: 22675, 22676 - Kasama (10.22S 31.17E): **KM**: 9683 - Lueti River, S (1538S 2206E): **FMNH**: 95213 - Mindolo dam (1247S 2809E): **NHMZ**: 20238, 20239 - Munali: **NMZL**: 2975 - Mwekera (1251S 2821E): **NHMZ**: 20391, 20392 - Mwinilunga, Sakeji Stream (1121S 2415E, 4700ft): **HNHM**: 76.151.1 - Ndanda School (14.75S 23.75E): **NHMZ**: 33282 - Ndola (12.97S 28.63E): **BMNH**: 1926.12.1.3 - Ndola (1258S 2838E): **NHMZ**: 16530 - Sakeji Stream, headwaters (11 21 S 24 15 E, 1430 ft): **ROM**: 73961 - Salujinga (1058S 2407E): **NHMZ**: 11552, 11553.

Zimbabwe:

Unknown locality: **BMNH**: 1861.8.9.11.

Epomophorus gambianus (Ogilby, 1835)

"Africa":

Unknown locality: **BMNH**: 1972.4150; **MNHN**: ZM-AC-1994-35, ZM-AC-1995-167, ZM-MO-1906-270AC, ZM-MO-1983-1217, ZM-MO-1983-1218, ZM-MO-1983-1237, ZM-MO-1984-513, ZM-MO-1995-167AC; **ZFMK**: 1984.0484; **ZMB**: 101424, 101425, 88349 - Great lakes area, East Africa: **MNHN**: ZM-MO-1986-136, ZM-MO-1986-137, ZM-MO-1986-149 - Napa-ire: **ZMB**: 54197 - Nieri river: **BMNH**: 1911.7.22.1 - Zambia or Zimbabwe: **SMF**: 55035.

Benin:

Unknown locality: **ZMA**: MAM.26213, MAM.26230 - Bimbéréké (10 14 N 02 40 E, 449 m): **USNM**: 421183, 421184, 421185, 421186, 421187, 421188, 421189, 421190, 421191, 421192, 421193, 421194, 421195, 421196, 421197, 421198, 421199, 421200, 421201 - Bimbereke (1014N 0240E, 449 m): **USNM**: 478536, 478537 - Diho (08 05 N 02 31 E, 152 m): **USNM**: 421180, 421181, 421182 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 421202, 421203, 421204, 421205, 421206, 421207, 421208, 421209, 421210, 421211, 421212, 421213, 421214, 421215, 421216, 421217, 421218, 421219, 421220, 421221, 421222, 421223, 421224, 421225, 421226, 421227, 421228, 421229, 421230, 421231, 575705 - Kouande (1020N 0141E): **USNM**: 438844, 438845, 438846, 438847, 438848, 438849, 438850, 438851, 438852, 438853 - Nikki (09 56 N 03 13 E, 423 m): **USNM**: 421237, 421238, 421239, 421240, 421241 - Parakou (09 21 N 02 37 E, 324 m): **USNM**: 421242, 421243, 421244, 421245, 421246, 421247, 421248, 421249, 421250, 421251, 421252; **ZMA**: MAM.23121 - Pendjari Park (ca. 1120N 0130E): **ROM**: 83954 - Ségbana (10 55 40 N 03 41 35 E, 255 m): **USNM**: 421232, 421233, 421234, 421235, 421236 - Zizonkamé (07 55 N 02 01 E): **USNM**: 438843.

Burkina Faso:

Unknown locality: **SMF**: 81818, 81819 - Arly (11 35 N 01 28 E, 226 m): **USNM**: 450473; **ZMA**: MAM.16531 - Arly National Park (11 34 N 01 26 E, 225 m): **ROM**: 79808 - Bobo-Dioulasso (11 10 38 N 04 17 52 W, 508 m): **MNHN**: ZM-MO-1983-1215 - Boussouma, 5 km N (12 55 N 01 05 W, 300 m): **USNM**: 452716, 452717, 452718 - Cella, 1 km N (11 38 N 00 22 W, 230 m): **USNM**: 452719, 452720, 452721, 452722, 452723 - Dionga (1404N 0003W): **SMF**: 60903 - Djipologo (10 56 N 03 07 W, 253 m): **USNM**: 467807, 467808, 467809, 467810 - Fô (11 53 N 04 31 W, 453 m): **USNM**: 467811, 467812, 467813, 467814, 467815, 467816, 467817, 467818, 467819, 467820, 467821, 467822, 467823, 467824, 467825, 467826, 467827, 467828, 467829, 467830, 467831, 467832, 467849, 467850, 467851, 467852, 467853, 467854, 467855, 467856, 467857, 467858, 467859, 467860, 467861, 467862, 467863, 467864, 467865, 467866, 467867, 467868, 467869, 467870, 467871 - Founzan (11 27 N 03 14 W, 270 m): **USNM**: 454444, 454445, 454446, 454447, 454448, 454449, 454450, 454451, 454452, 454453, 454454, 454455, 454456, 454457, 454458, 454459, 454460, 454461, 454462, 454463, 454464 - Founzan (1127N 0314W): **USNM**: 478540 - Kadiogo province: **SMF**: 60902, 60904, 60906 - Koutoura, 5 km SW (10 19 N 04 53 W, 300 m): **USNM**: 467765, 467766, 467767, 467768, 467769, 467770, 467771, 467772, 467773, 467774, 467775, 467776, 467777 - Koutoura, 5 km SW (1019N 0453W): **USNM**: 467833 - Lawra (ca. 10 38 56 N 02 56 17 W): **BMNH**: 1950.1507, 1950.1508 - Nahouri province: **SMF**: 60907 - Natiaboani (11 41 57 N 00 30 22 E, 268 m): **USNM**: 450474, 450475, 450476, 450477; **ZMA**: MAM.16530 - Nazinga (11 11 06 N 01 29 04 W): **ZMA**: MAM.23535 - Nazinga (Game Ranch) (11 11 06 N 01 29 04 W): **ZMA**: MAM.25127 - Nobéré, 1 km S (1126N 0110W): **ROM**: 79805, 79806, 79807, 79809 - Ouagadougou (12 22 13 N 01 31 29 W, 305 m): **MNHN**: ZM-MO-1998-1062; **SMF**: 60905; **USNM**: 452692, 452693, 452694, 452695, 452696, 452697, 452698, 452699, 452700, 452701, 452702, 452703, 452704, 452705, 452706, 452707, 452708, 452709, 452710, 452711, 452712, 452713, 452714, 452715, 454436, 454437, 454438, 454439, 454440, 454441, 454442, 454443 - Ougarou (12 09 16 N 00 55 47 W, 261 m): **USNM**: 452724, 452725, 452726, 452727, 452728, 452729, 452730, 452731, 452732, 452733, 452734, 452735, 452736, 452737, 452738, 452739, 452740, 452741 - Piyiri, 7 km N: **ROM**: 79810 - Sidéradougou (10 40 N 04

15 W, 304 m): **USNM**: 467778, 467779, 467780, 467781, 467782, 467783, 467784, 467785, 467786, 467787, 467788, 467789, 467790, 467791, 467792, 467793, 467794, 467795, 467796, 467797, 467798, 467799, 467800, 467801, 467802, 467803, 467804, 467805, 467806.

Cameroon:

Bini, lake (07 26 00 N 13 33 00 E): **RMCA**: 75.003-M-0072, 75.003-M-0073 - Galim (07 06 00 N 12 29 00 E, 1120 m): **RMCA**: 73.016-M-0122, 73.016-M-0123, 73.016-M-0124, 73.016-M-0125, 73.016-M-0126, 73.016-M-0127 - Guemé (10 30 30 N 15 09 31 E, 304 m): **RMCA**: 73.015-M-0085 - Hardé 2 (10 35 30.2 N 14 19 51.4 E, 422 m): **LZUM**: BFEM 023, BFEM 141 - Koza (10 52 08 N 13 52 51 E, 485 m): **RMCA**: 75.003-M-0034, 75.003-M-0038, 75.003-M-0039, 75.003-M-0040, 75.003-M-0041, 75.003-M-0042, 75.003-M-0043, 75.003-M-0044, 75.003-M-0045, 75.003-M-0046, 75.003-M-0047, 75.003-M-0048, 75.003-M-0049, 75.003-M-0050, 75.003-M-0051, 75.003-M-0052, 75.003-M-0053, 75.003-M-0054, 75.003-M-0055, 75.003-M-0056, 75.003-M-0057, 75.003-M-0058, 75.003-M-0059, 75.003-M-0060, 75.003-M-0061, 75.003-M-0062, 75.003-M-0063, 75.003-M-0064, 75.003-M-0065, 75.003-M-0066, 75.003-M-0067, 75.003-M-0068, 75.003-M-0069, 75.003-M-0070, 75.003-M-0071 - Kundja [=Koundja] (0537N 1045E): **ZMB**: 54368, 67095 - Lékoun (04 13 00 N 11 14 00 E, 499 m): **RMCA**: 73.029-M-0144, 73.029-M-0145 - Marua (10 35 44 N 14 19 29 E, 384 m): **SMF**: 6287 - Mayo Vaimba river (08 40 30 N 14 26 51 E): **ZMA**: MAM.23067 - Meïganga (06 31 00 N 14 18 00 E, 978 m): **RMCA**: 73.017-M-0219, 73.017-M-0220, 73.017-M-0221, 73.017-M-0312, 73.017-M-0313, 73.017-M-0314 - Mokolo - Mayo Louti (10 42 00 N 13 44 00 E): **RMCA**: 73.015-M-0567, 73.015-M-0568, 73.015-M-0569, 73.015-M-0570, 73.015-M-0571, 73.015-M-0572, 73.015-M-0573, 73.015-M-0574, 73.015-M-0575, 73.015-M-0576, 73.015-M-0577, 73.015-M-0578, 73.015-M-0579 - Mokolo (10 44 25 N 13 48 10 E, 760 m): **RMCA**: 73.015-M-0564, 73.015-M-0565, 73.015-M-0566 - Ngaoundéré (07 19 00 N 13 35 00 E, 1212 m): **CM**: 58168 - Ngaoundéré, 14 km S (07 19 N 13 35 E, 1212 m): **AMNH**: 241006, 241007, 241008 - Njia, SW (07 07 N 12 50 E): **SMF**: 5823 - Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0135, 73.017-M-0136, 73.017-M-0137, 73.017-M-0138, 73.017-M-0139, 73.017-M-0140, 73.017-M-0141, 73.017-M-0142, 73.017-M-0143, 73.017-M-0144, 73.017-M-0145, 73.017-M-0146, 73.017-M-0147, 73.017-M-0148, 73.017-M-0149, 73.017-M-0150, 73.017-M-0151, 73.017-M-0152, 73.017-M-0284, 73.017-M-0285, 73.017-M-0286, 73.017-M-0287, 73.017-M-0288, 73.017-M-0289, 73.017-M-0290, 73.017-M-0291, 73.017-M-0292, 73.017-M-0293, 73.017-M-0294, 73.017-M-0295, 73.017-M-0296, 73.017-M-0297, 73.017-M-0298, 73.017-M-0299, 73.017-M-0300, 73.017-M-0301, 73.017-M-0302, 73.017-M-0303, 73.017-M-0304, 73.017-M-0305, 73.017-M-0306, 73.017-M-0307, 73.017-M-0308, 73.017-M-0309 - Rei Bouba (08 40 N 14 11 E, 224 m): **MHNC**: 32-8-969 (Paratype *Epomophorus reii*), 32-8-970 (Holotype *Epomophorus reii*) - Tibati (06 28 00 N 12 38 00 E, 838 m): **MHNC**: 32-8-953, 32-8-954, 32-8-955, 32-8-956, 32-8-957, 32-8-958, 32-8-959, 32-8-960, 32-8-961 - Wakwa (07 14 00 N 13 35 00 E, 1143 m): **RMCA**: 73.017-M-0188, 73.017-M-0189, 73.017-M-0190, 73.017-M-0191, 73.017-M-0192, 73.017-M-0193, 73.017-M-0194, 73.017-M-0195, 73.017-M-0196, 73.017-M-0197, 73.017-M-0198, 73.017-M-0199, 73.017-M-0200, 73.017-M-0201, 73.017-M-0202, 73.017-M-0203, 73.017-M-0204, 73.017-M-0205, 73.017-M-0206, 73.017-M-0207, 73.017-M-0208, 73.017-M-0209, 73.017-M-0210, 73.017-M-0211, 73.017-M-0212, 73.017-M-0213, 73.017-M-0214, 73.017-M-0215, 73.017-M-0216, 73.017-M-0217, 73.017-M-0218, 73.017-M-0310, 73.017-M-0311 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0083, 73.015-M-0084, 73.015-M-0086, 73.015-M-0087, 73.015-M-0088, 73.015-M-0089, 73.015-M-0090, 73.015-M-0091, 73.015-M-0092, 73.015-M-0544, 73.015-M-0545, 73.015-M-0546, 73.015-M-0547, 73.015-M-0548, 73.015-M-0549, 73.015-M-0550, 73.015-M-0551, 73.015-M-0552, 73.015-M-0553, 73.015-M-0554, 73.015-M-0555, 73.015-M-0556, 73.015-M-0557, 73.015-M-0558, 73.015-M-0559, 73.015-M-0560, 73.015-M-0561, 73.015-M-0562, 73.015-M-0563, 73.015-M-0580, 73.015-M-0581, 73.016-M-0111, 73.016-M-0112, 73.016-M-0113, 73.016-M-0114, 73.016-M-0115, 73.016-M-0116, 73.016-M-0117, 73.016-M-0118, 73.016-M-0119, 73.016-M-0120, 73.016-M-0121, 73.016-M-0296, 73.016-M-0297, 73.016-M-0298, 73.016-M-0299, 73.016-M-0300, 73.016-M-0301, 73.016-M-0302, 73.016-M-0387, 73.016-M-0388, 73.017-M-0153, 73.017-M-0154, 73.017-M-0155, 73.017-M-0156, 73.017-M-0157, 73.017-M-0158, 73.017-M-0159, 73.017-M-0160, 73.017-M-0161, 73.017-M-0162, 73.017-M-0163, 73.017-M-0164, 73.017-M-0165, 73.017-M-0166, 73.017-M-0167, 73.017-M-0168, 73.017-M-0169, 73.017-M-0170, 73.017-M-0171, 73.017-M-0172, 73.017-M-0173, 73.017-M-0174, 73.017-M-0175, 73.017-M-0176, 73.017-M-0177, 73.017-M-0178, 73.017-M-0179, 73.017-M-0180, 73.017-M-0181, 73.017-M-0182, 73.017-M-0183, 73.017-M-0184, 73.017-M-0185, 73.017-M-0186, 73.017-M-0187.

Central African Republic:

Badingua (07 30 N 19 35 E): **BMNH**: 1979.2028; **SMF**: 6358, 6359 - Bamingui-Bangoran National Park (0755N 2015E, 469 m): **BMNH**: 1981.228 - Bangassou (04 44 N 22 49 E, 457 m): **CM**: 40972 - Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-2011-685, ZM-2011-686 - Buar (05 57 N 15 36 E, 1046m): **ZMB**: 31489 - Kaja Nze (07 20 N 20 11 E, 489 m): **BMNH**: 1983.285 - Koumbala Camp, 11.5 km NW (0729N 2113E): **CM**: 73584 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-254, ZM-MO-1984-255, ZM-MO-1984-257, ZM-MO-1984-258 - N'Delé (08 24 39 N 20 38 50 E): **MNHN**: ZM-2007-77.

Chad:

Fort Lamy (12 06 47 N 15 02 57 E): **MNHN**: ZM-MO-1956-713 - Guidari (09 16 08 N 16 40 21 E, 424 m): **USNM**: 301932, 301933.

Congo (Democratic Republic of the):

Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 91.076-M-0060.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1996-311; **SMF**: 92055 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 97.079-M-0829 - Bouaké (07 41 N 05 01 59 W, 312 m): **MNHN**: ZM-MO-1911-818 - Bouaké, 25 km N (07 55 N 05 00 W): **CM**: 69136 - Bouna (09 16 00 N 03 00 00 W, 321 m): **RMCA**: 34882, 34883, 34884, 34885, 34886, 34887, 34888, 34889, 34890, 34891, 34892, 34893, 34894, 34895, 34896, 34897, 34898, 34899, 34900; **USNM**: 467835, 467837, 467841, 467842, 467844, 467845 - Fetekro (0749N 0441W): **USNM**: 467846, 467847, 467848 - Foro Foro (0750N 0500W): **HZM**: 31.12137, 34.12140 - Kong (0909N 0437W): **USNM**: 454435 - Korhogo (0927N 0538W): **LACM**: 51301 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1993-154, ZM-MO-1993-155 - Ouango Fetini (09 34 00 N 04 03 00 W, 312 m): **RMCA**: 34901, 34902 - Toumodi sud (06 33 00 N 05 01 00 W, 152 m): **RMCA**: 33151, 33152.

Ethiopia:

Unknown locality: **BMNH**: 1972.501_1, 1972.501_2, 1972.501_3, 1972.501_4, 1972.501_5; **SMF**: 44222, 45118, 49587 - Addis Abeba (09 02 00 N 38 42 00 E, 2362 m): **MNHN**: ZM-MO-1983-1236 - Agaro (0750N 3638E): **MNHN**: 04025 - Awasa, lake (07 03 N 38 26 E): **SMF**: 45016, 45017, 45018, 45117, 45119, 45120 - Azir River mouth (ca. 10 29 N 36 25 E, 1000 m): **BMNH**: 1970.399 - Bishan Waka Lake, E side shore (07 18 01 N 35 16 24 E, 1402 m): **BRTC**: 58464 - Bishan Waka Lake, E side shore (07 18 01 N 35 16 24 E, 1434 m): **BRTC**: 58463 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **BMNH**: 1972.502, 1972.503, 1972.504; **SMNS**: 36085; **USNM**: 462694, 497493, 497494, 497495, 497496,

497497, 497498, 497499, 497500, 497501, 497502, 497503, 497504, 497505, 497506, 497507, 497508, 497509, 497511, 497512, 497513, 589140, 589141, 589142, 589143 - Didessa River (ca. 09 57 N 35 41 E, 1190 m): **BMNH**: 1971.2412, 1971.2412_1, 1971.2412_2, 1971.2414, 1971.2415, 1971.2415_1, 1971.2415_2, 1971.2415_3, 1971.2416, 1971.2417 - Didessa river bridge (09 02 N 36 09 E, 1533 m): **BMNH**: 1971.2413; **BRTC**: 58461, 58462; **SMF**: 49585, 49586 - Didessa settlement (09 02 N 36 09 E): **USNM**: 462695, 462696, 497519, 497520 - Djala (06 20 N 36 50 E): **ZMB**: 54422 - Djiren [=Jiren] (07 49 N 36 41 E, 1678 m): **ZMB**: 67050 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1390 m): **BRTC**: 58465, 58467 - Doki River (08 20 N 35 36 E): **SMNS**: 29879 - Doki River Bridge (08 20 N 35 36 E): **SMF**: 49584 - Dorsey (06 17 N 37 33 E, 2923 m): **SMF**: 48001 - Gambela (08 15 N 34 35 E, 514 m): **SMF**: 44221; **USNM**: 462693, 497510, 497514, 497515, 497516, 497517, 497518, 520890, 520891, 520892 - Gimbi (091000N 355000E, 1844 m): **MNHN**: ZM-MO-1983-1209 - Harre river (06 03 N 37 38 E): **SMF**: 47858, 47859 - Koma Forest, 5 km N, 20 km W (ca. 07 12 N 36 30 E, 1900 m): **BRTC**: 58466 - Manera forest (0654N 3642E, 1220 m): **MNHN**: ZM-MO-1983-1210, ZM-MO-1983-1211 - Oromiya state: **SMF**: 44223, 44224, 44225 - Satema, 1.5 km N, 0.5 km W (2165 m): **BRTC**: 58468.

Gabon:

Booué (00 06 00 S 11 56 00 E, 175 m): **MNHN**: ZM-MO-1950-877 A - Ossengue Camp site (0156S 0954E): **USNM**: 584832, 584833.

Ghana:

Unknown locality: **BMNH**: 1972.183, 1975.521; **MVZ**: 149185 - 0609N 0045W: **CAS**: 27594 - Accra (05 33 N 00 13 W, 98 m): **ROM**: 55127; **ZMB**: 10065, 15056, 15057, 3654, 4784 - Accra, 9 mi [=14.5 km] NE (05 33 N 00 15 W): **CM**: 69130, 69131, 69133, 69134 - Achimota (05 37 N 00 14 W, 82 m): **ROM**: 55088, 55089, 55090, 55093, 55094, 55096; **USNM**: 411451, 411452, 411453, 411454, 411455, 411456, 411457, 411458, 411459, 411460, 411461, 411462, 411463, 411464, 411465, 411466, 411467, 478539 - Achimota College (05 37 00 N 00 14 00 W, 82 m): **FMNH**: 105813, 105814, 105815 - Achimota Forest Reserve (05 40 N 00 12 W): **USNM**: 411437, 411438, 411439, 411440, 411441, 411442, 411443, 411444, 411445, 411446, 411447, 411449, 411450 - Aiyikuma (05 55 N 00 03 W, 43 m): **USNM**: 411239, 411240, 411241, 411242, 411243, 411244, 411245, 411246, 411247, 411248, 411249, 411250, 411251, 411252, 411253, 411254, 411255, 411256, 411257, 411258, 411259, 411260, 411261, 411262, 411263, 411264, 411265, 411266, 411267, 411268, 411269, 411270, 411271, 411272, 411273, 411274, 411275, 411276, 411277, 411278, 411279, 411280, 411281, 411282, 411283, 411284, 411285, 411286, 478528 - Bangwon (10 58 N 02 41 W, 303 m): **USNM**: 414730 - Bator (06 04 N 00 25 E, 56 m): **USNM**: 411489 - Bator (0604N 0025E, 56 m): **USNM**: 411311 - Damango, near (09 15 N 01 45 W): **ROM**: 60197, 60202, 60203, 60206, 60211 - Doyum (05 54 N 00 01 E, 46 m): **ROM**: 60236; **USNM**: 411477, 411478, 411479, 411480, 411481, 411482, 411483, 411484, 411485, 411486, 411487, 411488 - Gambaga (10 32 00 N 00 26 32 W, 312 m): **BMNH**: 1899.6.15.1; **USNM**: 424708, 424709, 424710, 424711, 424712, 424713, 424714, 424715, 424716, 424717, 424718, 424719, 424720, 424721 - Gold Coast [=Goldküste] (ca. 05 20 N 00 45 W): **BMNH**: 1920.10.28.1 - Han, ca 25 mi SE (1015N 0209W): **USNM**: 535023, 535024 - Ho (06 36 N 00 28 E, 153 m): **ZMB**: 54195, 54592 - Juaso (06 35 N 01 07 W, 218 m): **ROM**: 62372 - Keta (05 55 N 00 59 E, 48 m): **USNM**: 411490, 411491, 411492, 411493, 411494, 411495, 411496, 411497, 411498, 411499, 411500 - Kete (0749N 0002W): **ZMB**: 10009, 10010, 10170/17171 (Lectotype *Ep[omophorus (Epomophorus)] zechi*) - Kete Krachi (07 48 N 00 01 W, 83 m): **ZMB**: 53875, 67065 - Kintampo (08 03 N 01 43 W, 288 m): **BMNH**: 1950.1511 - Larteh Junction (ca. 05 54 N 00 04 W): **ROM**: 55169, 55170, 55171, 55172, 55173, 55174, 55175, 55180, 55181, 55184, 55191 - Lawra (10 39 N 02 52 W, 253 m): **MCZ**: 56828, 56829, 56830 - Legon (05 39 00 N 00 11 00 W, 30 m): **CM**: 62358, 62359, 62361, 62362, 62363, 62364, 62366, 62367; **MVZ**: 149405, 149410, 149411, 149412, 149413, 149414, 149419; **ROM**: 35804, 35805, 35806, 35807, 35808, 35809; **USNM**: 411287, 411288, 411292, 411300, 411302, 411304, 411306, 411307, 411308, 411312, 411318, 411320, 411322, 411328, 411329, 411337, 411342, 411344, 411345, 411355, 411365, 411366, 411369, 411374, 411381, 411383, 411386, 411387, 411393, 411394, 411400, 411401, 411402, 411404, 411408, 411413, 411415, 411416, 411417, 411420, 411421, 411423, 411425, 411427, 411428, 411430, 411432, 411436, 411448, 439844, 439845, 439846, 439847, 439848, 439849, 439892, 439893, 439894, 439895, 439896, 439897, 439898, 439899, 439900, 439901, 439902, 439904, 439905, 439906, 439907, 439908, 439909, 439910, 439911, 439912, 448868, 448869, 448870, 448871, 448872, 478525, 478526, 478527 - Legon, 1 mi [=1.6 km] N (ca. 05 39 00 N 00 11 00 W): **USNM**: 411472, 411473, 411474, 411475, 411476 - Mole Game Reserve, River below headquarters (ca. 09 50 N 01 49 W): **AMNH**: 237405, 237406, 237407 - Nabogo (0944N 0049W): **USNM**: 424692, 424693, 424694, 424695, 424696, 424697 - Northern Region: **CM**: 113550, 113553 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424737, 424738, 424739, 424740 - Pirisi (100700N 022700W): **USNM**: 414696, 414697, 414698, 414699, 414700, 414701, 414702, 414703, 414704, 414705, 414706 - Pulima (105100N 020300W): **USNM**: 414707, 414708, 414709, 414710, 414711, 414712, 414713, 414714, 414715, 414716, 414717, 414718, 414719, 414720, 414721, 414722, 414723, 414724, 414725, 414726, 414727, 414728, 414729, 414733, 414734, 414735, 414736, 414737, 414738, 414739, 478531, 478532, 478534, 478535 - Pulima (1051N 0203W): **USNM**: 478529, 478530, 478533 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414731, 414732 - Shishe (1042N 0013W, 213 m): **USNM**: 424698, 424699, 424700, 424701, 424702, 424703, 424704, 424705, 424706, 424707 - Tamale (09 41 06 N 00 49 57 W, 146 m): **BMNH**: 1916.12.7.1; **NMW**: 15951, 15952, 15953, 15954, 15955, 15956, 15957, 15958, 15965, 15966, 15967, 15968, 15969, 15970, 15972, 15973, 15974, 15978, 15979, 15980; **ZMA**: MAM.18129, MAM.18130, MAM.18131, MAM.18132, MAM.18133, MAM.18134, MAM.18135, MAM.18136, MAM.18137, MAM.18138 - University of Ghana (05 39 00 N 00 11 00 W, 75 m): **USNM**: 411289, 411290, 411291, 411293, 411294, 411295, 411296, 411297, 411298, 411299, 411301, 411303, 411305, 411309, 411310, 411313, 411314, 411315, 411316, 411317, 411319, 411321, 411323, 411324, 411325, 411326, 411327, 411330, 411331, 411332, 411333, 411334, 411335, 411336, 411338, 411339, 411340, 411341, 411343, 411346, 411347, 411348, 411349, 411350, 411351, 411352, 411353, 411354, 411356, 411357, 411358, 411359, 411360, 411361, 411362, 411363, 411364, 411367, 411368, 411370, 411371, 411372, 411373, 411375, 411376, 411377, 411378, 411379, 411380, 411382, 411384, 411385, 411388, 411389, 411390, 411391, 411392, 411395, 411396, 411398, 411399, 411403, 411405, 411406, 411407, 411409, 411410, 411411, 411412, 411414, 411418, 411419, 411422, 411424, 411426, 411429, 411431, 411433, 411434, 411435, 413806, 413807, 413808, 413809, 413810, 413811, 413812, 413813, 413814, 413815, 413816, 413817, 413818, 413819, 413820, 413821, 413822, 413823, 413824, 413825, 413826, 413827, 413828, 413829, 413830, 413831, 413832, 413833, 413834, 413835, 413836, 413837, 413838, 413839, 413840, 413841, 413842, 413843, 413844, 413845, 413846, 413847, 413848, 413849, 413850, 413851, 413852, 413853, 413854, 413855, 413856, 413857, 413858, 413859, 413860, 413861, 413862, 413863, 413864, 413865, 413866, 413867, 413868, 413869, 413870, 413871, 413872, 413873, 413874, 413884, 413885 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **ROM**: 62357 - Wulasi (08 39 18 N 00 00 05 W): **USNM**: 424722, 424723, 424724, 424725, 424726, 424727, 424728, 424729, 424730, 424731, 424732, 424733, 424734, 424735, 424736.

Guinea:

Fouta Djallon (113000N 123000W, 950 m): **MNHN**: ZM-MO-1983-1216 - Fressoudou (09 08 00 N 08 54 00 W): **MNHN**: ZM-2012-285, ZM-2012-286 - Gbaolé (07 26 30 N 09 14 34 W, 482 m): **MNHN**: ZM-2012-263, ZM-2012-264, ZM-2012-265, ZM-2012-266, ZM-2012-267, ZM-2012-268, ZM-2012-269, ZM-2012-270, ZM-2012-271, ZM-2012-272, ZM-2012-273, ZM-2012-274, ZM-2012-275, ZM-2012-276, ZM-2012-277, ZM-2012-278 - Kankasili (10 11 N 12 29 W): **ZMA**: MAM.10743 - Pita (1105N 1215W): **MNHN**: ZM-MO-1989-1216 - Samedou: **MNHN**: ZM-2012-259, ZM-2012-260 - Zogota (mine) (ca. 07 53 10 N 09 01 24 W): **MNHN**: ZM-2012-261, ZM-2012-262.

Guinea-Bissau:

Bolama (11 35 N 15 28 W, 0 m): **MLZA**: T118; **USNM**: 143163 - Contubo-el (12 23 00 N 14 34 00 W): **MHNC**: 32-8-964, 32-8-965, 32-8-966, 32-8-967, 32-8-968 - Mansoa (12 04 24 N 15 19 08 W, 3 m): **MHNC**: 32-8-963 - Sama: **MHNC**: 32-8-962.

Liberia:

Bopolu (07 04 00 N 10 29 15 W, 211 m): **RMCA**: 80.043-M-0016 - Duo Town (05 42 00 N 08 06 00 W): **RMCA**: 80.036-M-0004 - Elwa Swamp (ca. 0614N 1042W): **AMNH**: 257014, 257015 - Fapé (07 13 50 N 09 17 04 W, 360 m): **MNHN**: ZM-2012-279, ZM-2012-280, ZM-2012-281, ZM-2012-282, ZM-2012-283, ZM-2012-284 - Juarzon (052256N 085044W, 134 m): **AMNH**: 257005, 257007, 257008, 257009, 257010, 257011 - Kluga (082701N 094319W, 568 m): **AMNH**: 257021, 257022 - Saniquellie (072144N 084222W, 671 m): **AMNH**: 257012, 257013 - Zomai (07 36 56 N 09 37 53 W, 303 m): **RMCA**: 36295 - Zorzor (07 46 46 N 09 25 49 W, 516 m): **RMCA**: 35762 - Zozoma (082500N 094700W): **AMNH**: 257016, 257017, 257018, 257019, 257023, 257024, 257025.

Mali:

Unknown locality: **SMF**: 79391, 79392 - Badalabougou (12 37 25 N 07 59 02 W, 311 m): **MNHN**: ZM-MO-1995-752, ZM-MO-1995-753, ZM-MO-1995-754, ZM-MO-1995-755, ZM-MO-1995-756, ZM-MO-1995-757, ZM-MO-1995-758, ZM-MO-1995-759, ZM-MO-1995-760, ZM-MO-1995-761, ZM-MO-1995-762, ZM-MO-1995-763, ZM-MO-1995-771, ZM-MO-1995-772, ZM-MO-1995-773, ZM-MO-1995-774, ZM-MO-1995-775, ZM-MO-1995-776, ZM-MO-1995-777, ZM-MO-1995-778, ZM-MO-1995-785, ZM-MO-1995-786, ZM-MO-1995-787, ZM-MO-1995-788, ZM-MO-1995-789, ZM-MO-1995-790, ZM-MO-1995-791, ZM-MO-1995-792, ZM-MO-1995-793, ZM-MO-1995-794, ZM-MO-1995-797 - Badalabougou quarter (12 37 25 N 07 59 02 W, 311 m): **MNHN**: ZM-MO-1995-764, ZM-MO-1995-765, ZM-MO-1995-766, ZM-MO-1995-767, ZM-MO-1995-768, ZM-MO-1995-769, ZM-MO-1995-770 - Bamako (123900N 080000W, 349 m): **MNHN**: ZM-MO-1936-1492, ZM-MO-1936-1493, ZM-MO-1936-1494, ZM-MO-1936-1495, ZM-MO-1936-1496, ZM-MO-2001-807, ZM-MO-2001-814 - Bamako, 7 km E (123948N 075450W, 328 m): **MCZ**: 32233 - Mandingues mountains Reserve (ca. 12 30 32 N 08 39 20 W): **MNHN**: ZM-2004-950, ZM-2004-951 - Moribabougou (124112N 075150W, 331 m): **FMNH**: 42240 - Samaya (12 32 58 N 08 03 19 W, 299 m): **MNHN**: ZM-MO-1995-795, ZM-MO-1995-796, ZM-MO-2001-1950, ZM-MO-2001-1951, ZM-MO-2001-803, ZM-MO-2001-804, ZM-MO-2001-805, ZM-MO-2001-806 - Selangor: **MNHN**: ZM-MO-1995-779, ZM-MO-1995-780, ZM-MO-1995-781, ZM-MO-1995-782, ZM-MO-1995-783, ZM-MO-1995-784 - Sotuba (1236N 0755W): **FMNH**: 106028, 106029, 106030, 106078, 106079, 106080, 106096, 106097, 106098, 42231, 42232, 42233, 42234, 42235, 42236, 42237, 42238, 42239 - Toguere-Koumbé (14 55 01 N 04 35 41 W, 268 m): **MNHN**: ZM-MO-1983-1374.

Niger:

Maradi (13 29 30 N 07 05 47 E, 383 m): **SMF**: 51663, 51664, 51665, 51666, 51667, 51668, 51669 - Niamey (1331N 0207E, 207 m): **MNHN**: ZM-MO-1983-1212, ZM-MO-1983-1213, ZM-MO-1983-1214; **MVZ**: 154296, 154297, 154298, 154299; **ROM**: 54798, 54805, 54806, 54829 - Park West (12 36 N 02 29 E): **BRTC**: 27843; **ZMA**: MAM.19182 - Tapoa (12 29 31 N 02 21 36 E, 225 m): **USNM**: 462776, 462777, 462778 - Tapoa, 29 km S (ca. 12 11 N 02 20 E): **BRTC**: 27842.

Nigeria:

Unknown locality: **BMNH**: 1962.443, 1975.2401, 1976.1828; **HZM**: 27.11917; **ZMA**: MAM.20608, MAM.20609, MAM.20610, MAM.20611, MAM.20612 - Abeokuta (070900N 032100E): **HZM**: 2.3174 - Abeotuka (0709N 0321E): **HZM**: 38.5234 - Afon (0819N 0431E): **USNM**: 402412, 402413, 402414, 402415, 402416, 402417, 402418, 402419, 402420, 402421, 402422, 402423, 402424, 402425, 402426, 402427, 402428, 402429, 402430 - Arusua (08 42 N 08 09 E, 299 m): **ZMA**: MAM.18589, MAM.18590, MAM.18591, MAM.18592 - Bacita (090500N 045700E): **RMNH**: MAM.23651 - Bacita (0905N 0457E): **RMNH**: MAM.23623, MAM.23624, MAM.23645 - Benin [City] (0619N 0541E): **BMNH**: 1894.7.25.9 - Dada (1134N 0429E): **USNM**: 402634 - Enugu state: **SMF**: 92081 - Felele (0751N 0643E): **USNM**: 402431, 402439, 402440, 402441, 402442, 402443, 402444, 402445, 402446, 402447 - Fika (1117N 111829E, 503 m): **USNM**: 378775 - Gombe state: **SMF**: 86929, 86930, 86931 - Gudi, 3 mi E (0854N 0817E): **USNM**: 402407, 402408 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **BMNH**: 1950.172, 1962.444; **USNM**: 377096, 378768, 378769, 378770, 378771, 378772, 378777, 379500, 402318, 402319, 402320, 402321, 402322, 402323, 402324, 402325, 402326, 402327, 402328, 402329, 402330, 402331, 402332, 402333, 402334, 402335, 402336, 402337, 402338, 402340, 402341, 402342, 402391, 402448, 402449, 483175, 483176, 483177, 483178; **ZMA**: MAM.18596, MAM.18597, MAM.18598; **ZMUI**: 126, 127, 128, 129, 130, 131, 132, 133, 155, 17, 27, 35, 36, 37, 38, 41 - Ibadan University College (07 23 16 N 03 53 47 E, 237 m): **USNM**: 402358, 402359, 402360, 402361 - Igbo-ora (0726N 0317E): **USNM**: 402343, 402344, 402345, 402346, 402347, 402348, 402349, 402350, 402351, 402352, 402353, 402354, 402355, 402356, 402357 - Ikoyi: **HZM**: 2.8205, 3.8204, 5.8348 - Jebba: **BMNH**: 1899.8.24.10 - Jos (09 55 N 08 54 E, 1217 m): **ZMA**: MAM.19071, MAM.19072, MAM.19073, MAM.19074, MAM.19075, MAM.19077, MAM.19078, MAM.19079, MAM.19080, MAM.19133, MAM.19134, MAM.20601, MAM.20602, MAM.20603, MAM.20604, MAM.20605, MAM.20606, MAM.20607, MAM.20614, MAM.20615 - Kabwir (0924N 0934E): **BMNH**: 1912.1.16.1 - Kaduna (10 31 23 N 07 26 25 E, 612 m): **WAM**: M16567 - Kano (1200N 0831E): **HZM**: 26.10128 - Karaduwa (1219N 0741E): **USNM**: 402373, 402374, 402375, 402376, 402377, 402378, 402379 - Kudu (0916N 0520E): **USNM**: 402392, 402393, 402394, 402395, 402396, 402397, 402398, 402399, 402400, 402401, 402402, 402403, 402404, 402405, 402406 - Kware (131305N 051602E, 268 m): **USNM**: 378774 - Lagos (0627N 0323E): **HZM**: 4.8347; **ZMB**: 3413 - Lake Pandam (08 39 21 N 08 58 10 E): **RMNH**: MAM.25368, MAM.25369, MAM.25370, MAM.25371, MAM.26311 - Maiduguri (11 50 42 N 13 09 36 E, 294 m): **BMNH**: 1950.173; **HZM**: 25.9671 - Makurdi: **ZMA**: MAM.19076 - Mkar: **ZMA**: MAM.18593, MAM.18594, MAM.18595 - Mokwa (0917N 0503E, 87 m): **ROM**: 77717 - Nagaruta Forest Reserve: **BMNH**: 1964.47 - Oyo, 7 mi [= 11 km] W (072015N 034529E): **USNM**: 377097 - Pandam Wildlife Park (08 44 N 08 59 E): **ZMA**: MAM.18577, MAM.18578, MAM.18579, MAM.18580, MAM.18581, MAM.18582, MAM.18583, MAM.18584, MAM.18585, MAM.18586, MAM.18587, MAM.18588 - Panisau (1143N 0732E): **USNM**: 402380, 402382, 402384, 402385, 402386, 402387, 402390 - Panyam [Fish Farm] (0925N 0913E): **USNM**: 402409, 402410, 402411 - Parniso (1206N 0830E): **BMNH**: 1921.2.11.1; **USNM**: 402381, 402383, 402388, 402389 - Plateau state: **SMF**: 86918, 86919, 86920, 86921, 86922, 86923, 86924, 86925, 86926,

86927, 86928 - Samaru (1110N 0738E, 730 m): **ROM**: 74216 - Sokoto (1302N 0515E): **HZM**: 1.2871; **USNM**: 378773 - Tangaza (1322N 0456E): **USNM**: 402362, 402363, 402364, 402365, 402366 - Tsanchaga (0906N 0609E): **USNM**: 402367, 402368, 402369, 402370, 402371, 402372 - Wikki (09 46 10 N 10 31 58 E): **HNHM**: 98.49.1 - Zaria (1101N 0744E): **HZM**: 29.12135, 35.12784; **ROM**: 77703, 77705 - Zaria, 15 mi NW (ca. 1101N 0744E): **USNM**: 378766, 378767 - Zungeru (094846N 060921E, 149 m): **USNM**: 378776, 485836.

Senegal:

Unknown locality: **FMNH**: 128154, 128155; **MNHN**: ZM-MO-1995-601 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1995-602 - Diabane (1233N 1605W): **FMNH**: 128146, 128147, 128148, 128149 - Dialocote (1312N 1320W): **USNM**: 379093, 379094, 379095, 379096, 379097, 379098, 379099, 379100, 379101, 379102, 379103, 379104, 381321, 381322, 381323 - Diattacounda (1234N 1540W): **ZFMK**: 1976.0014, 1976.0016, 1976.0017 - Edanga (1230N 1245W): **FMNH**: 128153 - Gamon (1325N 1300W): **USNM**: 379105 - Koular (134100N 161100W, 2 m): **MNHN**: ZM-MO-1995-624 - Matam (153703N 131949W, 28 m): **MNHN**: ZM-MO-1995-622 - Missirah Saloum (134100N 163001W): **RBINS**: 19910 - N'gari (12 38 06 N 12 14 52 W, 126 m): **MNHN**: ZM-MO-1995-604, ZM-MO-1995-605, ZM-MO-1995-606, ZM-MO-1995-607, ZM-MO-1995-608, ZM-MO-1995-609, ZM-MO-1995-610, ZM-MO-1995-611 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1995-603, ZM-MO-1995-623, ZM-MO-1995-644 - Thiès (1447N 1655W): **BMNH**: 1909.11.2.28; **ZMB**: 67048, 67049, T09449, T09450 - Ziguinchor (1235N 161619W, 15 m): **FMNH**: 128150, 128151, 128152.

Sierra Leone:

Unknown locality: **BMNH**: 1883.4.24.2, 1883.4.24.3, 1950.1892, 1972.4231_1, 1972.4231_2, 1972.4231_3 - Aberdeen Village (082933N 131704W, 0 m): **ROM**: 60666, 77484, 77485, 77486, 77487 - Bonthe (0732N 1230W): **ROM**: 51049 - Forestry Training School, near (ca. 0754N 1113W): **MSU**: MR.15221 - Freetown (0830N 1315W): **BMNH**: 1883.4.24.1; **ROM**: 60668, 60669, 60691, 60693, 60694 - Kissy Village (082807N 131135W, 89 m): **ROM**: 60698, 60699 - Lunsar (0841N 1232W, 52 m): **ROM**: 60660 - Outamba-Kilimi-NP, Kilimi section (0948N 1227W): **USNM**: 546952 - Saltpan, near (0816N 1259W): **BMNH**: 1953.38.

South Sudan:

Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586802, 586819, 586820 - Gilo (04 02 18 N 32 50 43 E, 1736 - 1863 m): **SMNS**: 29865, 29886 - Yambio, Wildlife Office compound (04 34 15 N 28 23 55 E, 652 m): **USNM**: 587204, 587206.

Sudan:

Sennar (13 33 N 33 38 E, 390 m): **SMF**: 12426, 12427.

Tanzania:

Mtwara region: **SMF**: 26972.

The Gambia:

Unknown locality: **BMNH**: 1874.a = 124b (Paratype *Pteropus Gambianus*), 1874.b = 124c (Paratype *Pteropus Gambianus*), 1874.c = 124d (Paratype *Pteropus Gambianus*), 1949.460, 1949.461, 1991.265; **SMNS**: 176 - Banjul (13 27 11 N 16 34 39 W, 0 m): **BMNH**: 1907.1.1.231 (Paratype *Pteropus Gambianus*); **HZM**: 36.14899; **SMF**: 91038, 91039 - Bathurst [=Banjul] (13 27 11 N 16 34 39 W, 0 m): **USNM**: 377554, 377555 - Bathurst, 8 mi [= 13 km] W (ca. 13 28 N 16 39 W): **USNM**: 377553, 377556 - Brikama Bar (13 32 00 N 14 56 00 W, 27 m): **HZM**: 24.9005, 8.8989 - Gambia river, lower (13 28 N 16 34 W): **BMNH**: 1907.1.1.233 (Holotype *Pteropus Gambianus*), 1949.458 - Keneba (13 19 44 N 16 00 54 W, 32 m): **HZM**: 16.8997 - Kudang (13 40 N 15 03 W, 13 m): **USNM**: 377557, 377558, 377559, 377560, 377561 - Kuntaur, 10 mi [16 km] SE (13 37 N 14 54 W): **BMNH**: 1949.459 - Lamin (13 23 13 N 16 38 41 W, 36 m): **SMF**: 91065 - Tanji and Brufut, between (ca. 13 22 N 14 47 W): **SMF**: 91131 - Toniataba (13 26 N 15 35 W, 21 m): **USNM**: 379355, 379356 - Walikunda (13 34 N 14 55 W, 8 m): **HZM**: 10.8991, 11.8992, 12.8993, 13.8994, 14.8995, 15.8996, 17.8998, 18.8999, 19.9000, 20.9001, 21.9002, 22.9003, 23.9004, 6.8987, 7.8988, 9.8990.

Togo:

Unknown locality: **RMCA**: 73.054-M-1901, 73.054-M-1902, 73.054-M-1903, 73.054-M-1904, 73.054-M-1905, 73.054-M-1906, 73.054-M-1907, 73.054-M-1908, 73.054-M-1909, 73.054-M-1910, 73.054-M-1911, 73.054-M-1912, 73.054-M-1913, 73.054-M-1914, 73.054-M-1915, 73.054-M-1916, 73.054-M-1917, 73.054-M-1918, 73.054-M-1919, 73.054-M-1920, 73.054-M-1921, 73.054-M-1922, 73.054-M-1923, 73.054-M-1924, 73.054-M-1925, 73.054-M-1926, 73.054-M-1927, 73.054-M-1928, 73.054-M-1929, 73.054-M-1930, 73.054-M-1931, 73.054-M-1932, 73.054-M-1933, 73.054-M-1934, 73.054-M-1935, 73.054-M-1936, 73.054-M-1937, 73.054-M-1938, 73.054-M-1939, 73.054-M-1940, 73.054-M-1941, 73.054-M-1942, 73.054-M-1943, 73.054-M-1944, 73.054-M-1945, 73.054-M-1946, 73.054-M-1947, 73.054-M-1948, 73.054-M-1949, 73.054-M-1950, 73.054-M-1951, 73.054-M-1952, 73.054-M-1953, 73.054-M-1954, 73.054-M-1955, 73.054-M-1956, 73.054-M-1957, 73.054-M-1958, 73.054-M-1959, 73.054-M-1960, 73.054-M-1961, 73.054-M-1962, 73.054-M-1997 - Adina (07 31 00 N 01 01 00 E, 252 m): **RMCA**: 73.054-M-1821, 73.054-M-1822, 73.054-M-1823, 73.054-M-1824, 73.054-M-1825, 73.054-M-1826, 73.054-M-1874, 73.054-M-1875, 73.054-M-1885, 73.054-M-2028, 73.054-M-2029, 73.054-M-2030, 73.054-M-2031, 73.054-M-2032, 73.054-M-2052 - Adjido (07 30 00 N 01 11 00 E, 186 m): **RMCA**: 73.054-M-0108, 73.054-M-0109, 73.054-M-0110, 73.054-M-0111, 73.054-M-0112, 73.054-M-0113, 73.054-M-0114, 73.054-M-0115, 73.054-M-0116, 73.054-M-0117, 73.054-M-0118, 73.054-M-0119, 73.054-M-0120, 73.054-M-0121, 73.054-M-0126, 73.054-M-0127, 73.054-M-0128, 73.054-M-0129, 73.054-M-0130, 73.054-M-0131, 73.054-M-0132, 73.054-M-0133, 73.054-M-0134, 73.054-M-0135, 73.054-M-0136, 73.054-M-0137, 73.054-M-1776, 73.054-M-1857, 73.054-M-1858, 73.054-M-1859, 73.054-M-1860, 73.054-M-1861 - Agadji (07 27 00 N 00 54 00 E, 348 m): **RMCA**: 73.069-M-0001, 73.069-M-0002, 73.069-M-0003, 73.069-M-0004, 73.069-M-0269, 73.069-M-0270, 73.069-M-0271, 73.069-M-0272, 73.069-M-0273, 73.069-M-0274, 73.069-M-0275, 73.069-M-0276, 73.069-M-0277, 73.069-M-0278, 73.069-M-0279, 73.069-M-0280, 73.069-M-0281, 73.069-M-0282, 73.069-M-0283, 73.069-M-0284, 73.069-M-0285, 73.069-M-0286, 73.069-M-0287, 73.069-M-0288, 73.069-M-0289, 73.069-M-0290, 73.069-M-0291, 73.069-M-0292, 73.069-M-0293, 73.069-M-0294, 73.069-M-0295, 73.069-M-0296, 73.069-M-0297, 73.069-M-0298, 73.069-M-0299, 73.069-M-0300, 73.069-M-0301, 73.069-M-0302, 73.069-M-0303, 73.069-M-0304, 73.069-M-0305, 73.069-M-0306, 73.069-M-0307, 73.069-M-0308, 73.069-M-0309, 73.069-M-0310, 73.069-M-0311, 73.069-M-0312, 73.069-M-0313, 73.069-M-0442 - Akposso (07 34 00 N 00 59 00 E): **RMCA**: 73.054-M-0148 - Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.009-M-0235, 73.009-M-0236, 73.009-M-0237, 73.009-M-0238, 73.009-M-0239, 73.009-M-0297, 73.013-M-0770 - Atakpamé (07 32 00 N 01 08 00 E, 376 m): **RMCA**: 73.054-M-0097, 73.054-M-0098, 73.054-M-0099, 73.054-M-0100, 73.054-M-0101, 73.054-M-0102, 73.054-M-0103, 73.054-M-0104, 73.054-M-0106, 73.054-M-0107, 73.054-M-0138, 73.054-M-0139, 73.054-M-0140, 73.054-M-0141, 73.054-M-0160, 73.054-M-0161, 73.054-M-0162, 73.054-M-0163, 73.054-M-0182, 73.054-M-1769, 73.054-M-1774, 73.054-M-1777, 73.054-M-1784, 73.054-M-1785, 73.054-M-1787, 73.054-M-1788, 73.054-M-1790, 73.054-M-1791, 73.054-M-1792, 73.054-M-1793, 73.054-M-1794, 73.054-M-

1795, 73.054-M-1796, 73.054-M-1797, 73.054-M-1798, 73.054-M-1799, 73.054-M-1800, 73.054-M-1801, 73.054-M-1806, 73.054-M-1807, 73.054-M-1808, 73.054-M-1809, 73.054-M-1810, 73.054-M-1811, 73.054-M-1812, 73.054-M-1813, 73.054-M-1814, 73.054-M-1848, 73.054-M-1849, 73.054-M-1850, 73.054-M-1851, 73.054-M-1853, 73.054-M-1868, 73.054-M-1871, 73.054-M-1872, 73.054-M-1963, 73.054-M-1964, 73.054-M-1965, 73.054-M-1973, 73.054-M-1998, 73.054-M-2002, 73.054-M-2003, 73.054-M-2004, 73.054-M-2005, 73.054-M-2014, 73.054-M-2015, 73.054-M-2016, 73.054-M-2017, 73.054-M-2018, 73.054-M-2019, 73.054-M-2020 - Azafi (07 34 00 N 01 02 00 E, 253 m): **RMCA**: 73.069-M-0375, 73.069-M-0376, 73.069-M-0377 - Binaparba (09 14 00 N 00 46 00 E, 456 m): **RMCA**: 73.009-M-0272, 73.009-M-0273, 73.009-M-0274 - Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0730, 73.013-M-0731, 73.013-M-0732, 73.013-M-0733, 73.013-M-0734, 73.013-M-0735, 73.013-M-0736, 73.013-M-0737, 73.013-M-0738, 73.013-M-0739, 73.013-M-0740, 73.013-M-0741, 73.013-M-0742, 73.013-M-0743, 73.013-M-0744, 73.013-M-0745, 73.013-M-0746, 73.013-M-0747, 73.013-M-0748, 73.013-M-0749, 73.013-M-0750, 73.013-M-0751, 73.013-M-0752, 73.013-M-0753, 73.013-M-0754, 73.013-M-0755, 73.013-M-0756, 73.013-M-0757, 73.013-M-0758, 73.013-M-0759, 73.013-M-0760, 73.013-M-0761, 73.013-M-0762, 73.013-M-0763, 73.013-M-0764, 73.013-M-0765, 73.013-M-0766, 73.013-M-0771 - Dédomé (07 30 00 N 00 59 00 E, 265 m): **RMCA**: 73.069-M-0005, 73.069-M-0006, 73.069-M-0314, 73.069-M-0315, 73.069-M-0316, 73.069-M-0317, 73.069-M-0318, 73.069-M-0319, 73.069-M-0320, 73.069-M-0321, 73.069-M-0322, 73.069-M-0323, 73.069-M-0324, 73.069-M-0325, 73.069-M-0326, 73.069-M-0327, 73.069-M-0328, 73.069-M-0329, 73.069-M-0330, 73.069-M-0331, 73.069-M-0332, 73.069-M-0333, 73.069-M-0334, 73.069-M-0443 - Ebéva (07 31 00 N 01 05 00 E, 212 m): **RMCA**: 73.054-M-1991, 73.054-M-1992, 73.054-M-1993, 73.054-M-1994, 73.054-M-1995, 73.054-M-1996, 73.054-M-2081, 73.054-M-2082, 73.054-M-2083, 73.054-M-2084, 73.054-M-2085, 73.069-M-0378, 73.069-M-0379, 73.069-M-0380, 73.069-M-0381, 73.069-M-0382, 73.069-M-0383, 73.069-M-0384, 73.069-M-0385, 73.069-M-0386, 73.069-M-0387, 73.069-M-0388, 73.069-M-0389, 73.069-M-0390, 73.069-M-0391, 73.069-M-0392, 73.069-M-0393, 73.069-M-0394, 73.069-M-0395, 73.069-M-0396, 73.069-M-0397, 73.069-M-0398, 73.069-M-0399, 73.069-M-0400, 73.069-M-0401, 73.069-M-0402, 73.069-M-0403, 73.069-M-0404, 73.069-M-0405, 73.069-M-0406, 73.069-M-0407, 73.069-M-0408, 73.069-M-0409, 73.069-M-0410, 73.069-M-0411, 73.069-M-0412, 73.069-M-0413, 73.069-M-0414, 73.069-M-0415, 73.069-M-0416, 73.069-M-0417, 73.069-M-0418, 73.069-M-0419, 73.069-M-0420, 73.069-M-0421, 73.069-M-0422, 73.069-M-0423, 73.069-M-0424, 73.069-M-0425, 73.069-M-0426, 73.069-M-0427, 73.069-M-0428, 73.069-M-0429, 73.069-M-0430, 73.069-M-0431, 73.069-M-0432, 73.069-M-0433, 73.069-M-0434, 73.069-M-0435, 73.069-M-0436, 73.069-M-0437, 73.069-M-0438, 73.069-M-0439, 73.069-M-0445, 73.069-M-0446 - Edifou (07 29 00 N 00 58 00 E, 231 m): **RMCA**: 73.054-M-0174, 73.054-M-0175, 73.054-M-0176, 73.054-M-0177, 73.054-M-0178, 73.054-M-0179, 73.054-M-0180, 73.054-M-0181, 73.054-M-1829, 73.054-M-1830, 73.054-M-1831, 73.054-M-1832, 73.054-M-1833, 73.054-M-1834, 73.054-M-1835, 73.054-M-1836, 73.054-M-1837, 73.054-M-1838, 73.054-M-1880, 73.054-M-1881, 73.054-M-1882, 73.054-M-1883, 73.054-M-1884, 73.054-M-2040, 73.054-M-2041, 73.054-M-2042, 73.054-M-2043, 73.054-M-2044, 73.054-M-2045, 73.054-M-2046, 73.054-M-2047, 73.054-M-2048, 73.054-M-2049, 73.054-M-2050, 73.054-M-2051 - Evou - Akodegbe (07 33 00 N 01 02 00 E): **RMCA**: 73.054-M-1815, 73.054-M-1816, 73.054-M-1817, 73.054-M-2021, 73.054-M-2022, 73.054-M-2023, 73.054-M-2024, 73.054-M-2025 - Evou (07 32 00 N 01 02 00 E, 224 m): **RMCA**: 73.054-M-1786, 73.054-M-1844, 73.054-M-1845, 73.054-M-1846, 73.054-M-1847, 73.054-M-1865, 73.054-M-1866, 73.054-M-1895, 73.054-M-1896, 73.054-M-1897, 73.054-M-1898, 73.054-M-1899, 73.054-M-1900, 73.054-M-1985, 73.054-M-1986, 73.054-M-1987, 73.054-M-1990, 73.054-M-2053, 73.054-M-2054, 73.054-M-2055, 73.054-M-2056, 73.054-M-2057, 73.054-M-2058, 73.054-M-2059, 73.054-M-2060, 73.054-M-2061, 73.054-M-2062, 73.054-M-2063, 73.054-M-2064, 73.054-M-2065, 73.054-M-2066, 73.054-M-2067, 73.054-M-2068 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **RMCA**: 73.054-M-1827, 73.054-M-1876, 73.054-M-2033, 73.054-M-2034, 73.054-M-2035, 73.054-M-2036 - Fazao (08 42 00 N 00 47 00 E, 593 m): **RMCA**: 73.011-M-0363, 73.011-M-0754, 73.011-M-0755, 73.011-M-0756, 73.011-M-0757, 73.011-M-0758, 73.011-M-0759, 73.011-M-0760, 73.011-M-0761, 73.011-M-0787, 73.011-M-0788, 73.011-M-0789, 73.011-M-0790, 73.011-M-0791, 73.011-M-0792, 73.011-M-0793, 73.011-M-0832, 73.011-M-0833, 73.011-M-0876, 73.011-M-0877, 73.011-M-0878, 73.011-M-0879, 73.011-M-0917 - Gbatope (06 26 N 01 17 E): **USNM**: 437585, 437586, 437587, 437588, 437589, 478538 - Ihounabe (07 21 00 N 00 55 00 E): **RMCA**: 73.069-M-0007, 73.069-M-0365, 73.069-M-0366, 73.069-M-0367, 73.069-M-0368, 73.069-M-0369, 73.069-M-0370, 73.069-M-0371, 73.069-M-0372, 73.069-M-0373, 73.069-M-0374, 73.069-M-0444 - Kadjamba (09 53 15 N 00 31 33 E, 151 m): **ZMB**: 54423, 54427, 67087 - Kamina (07 31 00 N 01 11 00 E, 206 m): **RMCA**: 73.054-M-1779, 73.054-M-1780, 73.054-M-1781, 73.054-M-1802, 73.054-M-1803, 73.054-M-1804, 73.054-M-1805, 73.054-M-1863, 73.054-M-1869, 73.054-M-1870, 73.054-M-1977, 73.054-M-1978, 73.054-M-1979, 73.054-M-1980, 73.054-M-1981, 73.054-M-2006, 73.054-M-2007, 73.054-M-2008, 73.054-M-2009, 73.054-M-2010, 73.054-M-2011, 73.054-M-2012, 73.054-M-2013 - Kodegbe (07 31 00 N 01 03 00 E): **RMCA**: 73.054-M-1818, 73.054-M-1819, 73.054-M-1820, 73.054-M-1873, 73.054-M-2026, 73.054-M-2027 - Kolokopé (07 48 00 N 01 18 00 E, 147 m): **RMCA**: 73.011-M-0762, 73.011-M-0763, 73.011-M-0764, 73.011-M-0765, 73.011-M-0766, 73.011-M-0767, 73.011-M-0768, 73.011-M-0769, 73.011-M-0770, 73.011-M-0795, 73.011-M-0796, 73.011-M-0797, 73.011-M-0798, 73.011-M-0799, 73.011-M-0800, 73.011-M-0801, 73.011-M-0802, 73.011-M-0834, 73.011-M-0835, 73.011-M-0836, 73.011-M-0837, 73.011-M-0838, 73.011-M-0839, 73.011-M-0840, 73.011-M-0841, 73.011-M-0842, 73.011-M-0843, 73.011-M-0844, 73.011-M-0845, 73.011-M-0846, 73.011-M-0847, 73.011-M-0848, 73.011-M-0880, 73.011-M-0881, 73.011-M-0882, 73.011-M-0883, 73.011-M-0884, 73.011-M-0885, 73.011-M-0886, 73.011-M-0887, 73.011-M-0888, 73.011-M-0889, 73.011-M-0890, 73.011-M-0891 - Koutoukpa (07 31 00 N 00 59 00 E, 458 m): **RMCA**: 73.054-M-1828, 73.054-M-1877, 73.054-M-1878, 73.054-M-1879, 73.054-M-2037, 73.054-M-2038, 73.054-M-2039 - Lomé (06 07 55 N 01 13 22 E, 63 m): **RMCA**: 73.013-M-0769; **ZMB**: 17815, 17816, 17817 - Lomnava (07 31 00 N 01 08 00 E, 379 m): **RMCA**: 73.054-M-1867, 73.054-M-1999, 73.054-M-2000, 73.054-M-2001 - Mango (10 21 33 N 00 28 15 E, 134 m): **RMCA**: 73.013-M-0767, 73.013-M-0768, 73.013-M-0772 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0750, 73.011-M-0751, 73.011-M-0752, 73.011-M-0753, 73.011-M-0782, 73.011-M-0783, 73.011-M-0784, 73.011-M-0785, 73.011-M-0786, 73.011-M-0826, 73.011-M-0827, 73.011-M-0828, 73.011-M-0829, 73.011-M-0830, 73.011-M-0831, 73.011-M-0872, 73.011-M-0873, 73.011-M-0874, 73.011-M-0875 - Nanergou (10 55 00 N 00 09 00 E, 303 m): **RMCA**: 73.009-M-0240, 73.009-M-0241, 73.009-M-0242, 73.009-M-0243, 73.009-M-0244, 73.009-M-0245, 73.009-M-0246, 73.009-M-0247, 73.009-M-0248, 73.009-M-0249, 73.009-M-0250, 73.009-M-0251, 73.009-M-0252, 73.009-M-0253, 73.009-M-0254, 73.009-M-0255, 73.009-M-0256, 73.009-M-0257, 73.009-M-0258, 73.009-M-0259, 73.009-M-0260, 73.009-M-0261, 73.009-M-0262, 73.009-M-0263, 73.009-M-0264, 73.009-M-0265, 73.009-M-0266, 73.009-M-0267, 73.009-M-0268, 73.009-M-0269, 73.009-M-0298, 73.009-M-0299, 73.009-M-0300, 73.009-M-0301, 73.009-M-0302, 73.009-M-0303, 73.009-M-0304, 73.009-M-0305, 73.009-M-0306, 73.009-M-0572, 73.009-M-0573, 73.009-M-0603, 73.009-M-0604 - Niamtougou (09 46 06 N 01 06 19 E, 378 m): **RMCA**: 73.011-M-0779, 73.011-M-0780, 73.011-M-0781, 73.011-M-0822, 73.011-M-0823, 73.011-M-0824, 73.011-M-0825, 73.011-M-0870, 73.011-M-0871 - no

specific locality: **MNHN**: ZM-MO-1981-919; **RMCA**: 73.009-M-0581 - Nuatja (06 57 00 N 01 10 00 E, 146 m): **RMCA**: 73.009-M-0215, 73.009-M-0216, 73.009-M-0217, 73.009-M-0218, 73.009-M-0219, 73.009-M-0220, 73.009-M-0221, 73.009-M-0222, 73.009-M-0223, 73.009-M-0224, 73.009-M-0225, 73.009-M-0226, 73.009-M-0227, 73.009-M-0228, 73.009-M-0229, 73.009-M-0574 - Odjolo (07 32 00 N 01 02 00 E): **RMCA**: 73.054-M-0183, 73.054-M-0185, 73.054-M-0186, 73.054-M-0187, 73.054-M-0189, 73.054-M-0192, 73.054-M-0193, 73.054-M-0194, 73.054-M-0195, 73.054-M-0196, 73.054-M-0197, 73.054-M-0198, 73.054-M-0199, 73.054-M-0201, 73.054-M-1839, 73.054-M-1840, 73.054-M-1841, 73.054-M-1842, 73.054-M-1843, 73.054-M-1886, 73.054-M-1887, 73.054-M-1888, 73.054-M-1889, 73.054-M-1890, 73.054-M-1891, 73.054-M-1892, 73.054-M-1893, 73.054-M-1894, 73.069-M-0335, 73.069-M-0336, 73.069-M-0337, 73.069-M-0338, 73.069-M-0339, 73.069-M-0340, 73.069-M-0341, 73.069-M-0342, 73.069-M-0343, 73.069-M-0344, 73.069-M-0345, 73.069-M-0346, 73.069-M-0347, 73.069-M-0348, 73.069-M-0349, 73.069-M-0350, 73.069-M-0351, 73.069-M-0352, 73.069-M-0353, 73.069-M-0354, 73.069-M-0355, 73.069-M-0356, 73.069-M-0357, 73.069-M-0358, 73.069-M-0359, 73.069-M-0360, 73.069-M-0361, 73.069-M-0362, 73.069-M-0363, 73.069-M-0364 - Oti (River): **ZMB**: 54362 - Pagala (08 13 00 N 00 53 00 E, 368 m): **USNM**: 437581, 437582, 437583, 437584 - Paio (10 14 00 N 00 43 00 E, 146 m): **RMCA**: 73.009-M-0270, 73.009-M-0271, 73.009-M-0307, 73.009-M-0308 - Pogan (06 10 22 N 01 22 57 E, 66 m): **RMCA**: 73.011-M-0749, 73.011-M-0778, 73.011-M-0821, 73.011-M-0869 - Porto Séguro (06 12 05 N 01 28 44 E, 65 m): **RMCA**: 73.009-M-0275, 73.009-M-0276, 73.009-M-0277, 73.009-M-0278, 73.009-M-0279, 73.009-M-0280, 73.009-M-0281, 73.009-M-0282, 73.009-M-0283, 73.009-M-0284 - Tchonou (07 30 00 N 01 15 00 E, 152 m): **RMCA**: 73.054-M-0105, 73.054-M-1770, 73.054-M-1771, 73.054-M-1772, 73.054-M-1773, 73.054-M-1775, 73.054-M-1852, 73.054-M-1854, 73.054-M-1855, 73.054-M-1856, 73.054-M-1966, 73.054-M-1967, 73.054-M-1968, 73.054-M-1969, 73.054-M-1970, 73.054-M-1971, 73.054-M-1972 - Témédja (07 31 00 N 01 03 00 E, 226 m): **RMCA**: 73.054-M-1778, 73.054-M-1782, 73.054-M-1783, 73.054-M-1789, 73.054-M-1862, 73.054-M-1864, 73.054-M-1974, 73.054-M-1975, 73.054-M-1976, 73.054-M-1982, 73.054-M-1983, 73.054-M-1984, 73.054-M-1988, 73.054-M-1989 - Togoville (06 12 41 N 01 28 41 E, 63 m): **RMCA**: 73.011-M-0364, 73.011-M-0771, 73.011-M-0772, 73.011-M-0773, 73.011-M-0774, 73.011-M-0775, 73.011-M-0776, 73.011-M-0777, 73.011-M-0794, 73.011-M-0803, 73.011-M-0804, 73.011-M-0805, 73.011-M-0806, 73.011-M-0807, 73.011-M-0808, 73.011-M-0809, 73.011-M-0810, 73.011-M-0811, 73.011-M-0812, 73.011-M-0813, 73.011-M-0814, 73.011-M-0815, 73.011-M-0816, 73.011-M-0817, 73.011-M-0818, 73.011-M-0819, 73.011-M-0820, 73.011-M-0849, 73.011-M-0850, 73.011-M-0851, 73.011-M-0852, 73.011-M-0853, 73.011-M-0854, 73.011-M-0855, 73.011-M-0856, 73.011-M-0857, 73.011-M-0858, 73.011-M-0859, 73.011-M-0860, 73.011-M-0861, 73.011-M-0862, 73.011-M-0863, 73.011-M-0864, 73.011-M-0865, 73.011-M-0866, 73.011-M-0867, 73.011-M-0868, 73.011-M-0892, 73.011-M-0893, 73.011-M-0894, 73.011-M-0895, 73.011-M-0896, 73.011-M-0897, 73.011-M-0898, 73.011-M-0899, 73.011-M-0900, 73.011-M-0901, 73.011-M-0902, 73.011-M-0903, 73.011-M-0904, 73.011-M-0905, 73.011-M-0906, 73.011-M-0907, 73.011-M-0908, 73.011-M-0909.

Zambia:

Copperbelt province: **SMF**: 92408.

Zimbabwe:

Unknown locality: **MNHN**: ZM-MO-1990-136, ZM-MO-1990-137.

Epomophorus gambianus gambianus (Ogilby, 1835)

"Africa":

Unknown locality: **MNHN**: ZM-AC-1994-27; **RMNH**: MAM.27241.

Benin:

Kunjuruma: **ZMB**: 356 (Paralectotype *Ep[omophorus (Epomophorus)] zechi*) - Savé (08 02 33 N 002 29 10 E, 252 m): **ZMA**: MAM.25372.

Burkina Faso:

Nazinga (Game Ranch) (11 11 06 N 01 29 04 W): **ZMA**: MAM.25373.

Cameroon:

Unknown locality: **ZMA**: MAM.24634 - Banyo, 30 km ESE (ca. 06 47 N 12 00 E): **ROM**: 55913, 55914, 55915, 55916, 55917, 55918, 55919, 55920, 55921, 55922 - Hippopotamus Campside (ca. 08 23 N 012 48 E): **ZMA**: MAM.22681, MAM.22682 - Mayo Darle, 10 km N (ca. 0628N 1133E): **ROM**: 55901, 55902, 55903, 55904, 55905 - Meng River (ca. 06 28 00 N 12 38 00 E): **ROM**: 55996, 55997, 55998, 55999, 56000, 56001, 56062, 56063, 56064, 56065, 56066, 56067, 56068, 56069, 56070.

Chad:

Guidari (09 16 08 N 16 40 21 E, 424 m): **AMNH**: 165835, 165836, 165837, 165838, 165839, 165840, 165841, 165842, 165843, 165844, 165845, 165846, 165847, 165848, 165849, 165850; **USNM**: 301934.

Côte d'Ivoire:

Banama Blanc (0945N 0550W): **FMNH**: 105257, 105312, 105315, 105316, 105336, 105363, 105364, 105365, 105366, 105367, 105368, 58911 - Bouaké (07 41 N 05 01 59 W, 312 m): **FMNH**: 99034, 99035, 99036, 99037 - Dabakala (0822N 0426W, 249 m): **FMNH**: 105302, 105303, 105304, 105305, 105306, 105307, 105310, 105334 - Korhogo (0927N 0537W, 426 m): **FMNH**: 99031 - Madinani mountains, E of (ca. 0937N 0657W): **FMNH**: 105321, 105322 - Torgokaha (0923N 0538W, 376 m): **FMNH**: 105318, 105319, 105320.

Ethiopia:

Agaro, 10 km from (07 51 N 36 39 E): **MNHN**: ZM-MO-1972-478A, ZM-MO-1972-478B, ZM-MO-1972-478C - Bulcha Forest (06 11 N 38 10 E, 1800 m): **SMNS**: 29855, 29856, 29857, 29858.

Ghana:

Accra, 9 mi [=14.5 km] NE (05 33 N 00 15 W): **AMNH**: 241010, 241011 - Bimbilla, 15 mi [=24 km] S (08 52 N 00 04 E): **AMNH**: 239353, 239354, 239355, 239356, 239357, 239358, 239359, 239360, 239361, 239362, 239363 - Kade, 11 km NE (06 07 N 00 34 W): **ROM**: 36574, 36575, 36576, 36625, 36626, 36629, 36630, 36631, 36632 - Legon (05 39 00 N 00 11 00 W, 30 m): **ROM**: 36620, 36621, 36622, 36623, 36624, 36627, 36628, 39442, 39443, 39446, 39447, 39448, 39449, 39450, 39451, 39452, 39453 - Legon University (05 39 00 N 00 11 00 W, 75 m): **ROM**: 39398, 39400, 39401, 39402 - Nungua (05 36 N 00 04 W, 0 m): **ROM**: 39445, 39454, 39455.

Guinea:

Pita area (ca. 110500N 122500W): **MNHN**: ZM-MO-1911-1718.

Liberia:

Unknown locality: **RMNH**: MAM.27242.

Mali:

Bamako (123900N 080000W, 349 m): **MNHN**: ZM-MO-1936-1497, ZM-MO-1936-1498, ZM-MO-1936-1499, ZM-MO-1936-1500, ZM-MO-1960-547, ZM-MO-1960-548, ZM-MO-1966-175 - Sotuba (1236N 0755W): **FMNH**: 140680, 140681, 140682, 140683, 140684, 140685, 140686, 140687, 140688, 140689, 140690, 140691, 140692, 140693, 140694, 140695, 42209, 42210, 42211, 42212, 42213, 42214, 42215, 42216, 42217, 42218, 42219, 42220, 42221, 42222, 42223, 42224, 42225, 42226, 42227, 42228, 42229, 42230, 42382, 42383, 42384, 42385.

Niger:

Niamey (1331N 0207E, 207 m): **MNHN**: ZM-MO-1970-422 - Tapoa, 29 km S (ca. 12 11 N 02 20 E): **UCM**: 15187.

Nigeria:

Unknown locality: **RMNH**: MAM.26312 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **FMNH**: 99075, 99076, 99077, 99078, 99079 - Ibadan University College (07 23 16 N 03 53 47 E, 237 m): **AMNH**: 204294, 204295.

Senegal:

Diabane (1233N 1605W): **FMNH**: 128142, 128143, 128144, 128145.

Sierra Leone:

Kent (080957N 131000W): **ROM**: 56491, 56492, 56493 - Murray Town (082937N 131555W, 20 m): **ROM**: 56490 - York (081708N 131048W, 0 m): **ROM**: 56494.

Tanzania:

Unknown locality: **RMNH**: MAM.26314.

The Gambia:

Gambia river, lower (13 28 N 16 34 W): **BMNH**: 1907.1.1.232 (Holotype *Pteropus epomophorus*).

Zimbabwe:

Angwa River: **MNHN**: ZM-MO-1991-256.

Epomophorus gambianus pousarguesi Trouessart, 1904

Central African Republic:

Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1975-1062, ZM-MO-1975-1063, ZM-MO-1977-673; **ZMA**: MAM.18097 - Mpoko (near Makorou) and Yabanda, track between (ca. 04 19 27 N 18 32 27 E): **MNHN**: ZM-MO-1892-1020 (Holotype *Epomophorus pousarguesi*).

Epomophorus grandis (Sanborn, 1950)

Angola:

Dundo (07.38S 20.88E): **BMNH**: 1963.1025 - Dundo (0722S 2050E, 726m): **MDL**: 5007 - Dundo (0724S 2047E, 726m): **FMNH**: 66433 (Holotype *Micropteropus grandis*), 66434.

Congo:

Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15535.

Epomophorus labiatus (Temminck, 1837)

"Africa":

Unknown locality: **MNHN**: ZM-AC-A8237, ZM-MO-1975-1064, ZM-MO-1975-1065, ZM-MO-1983-1370, ZM-MO-1983-1371, ZM-MO-1983-1372, ZM-MO-1990-918, ZM-MO-1990-919, ZM-MO-1990-920, ZM-MO-1990-921, ZM-MO-1990-922; **RMCA**: 90.010-M-0001 - Daroli: **ZMB**: 67063 - Kirimba: **ZMB**: 10027 - Kwa Kitoto and Mengo: **ZMB**: 85672.

Burundi:

Buhonga (03 25 59 S 29 24 46 E, 1529 m): **MHNG**: 1499.046 - Bujumbura (03 23 00 S 29 22 00 E, 794 m): **MHNG**: 1497.097, 1497.098, 1498.035, 1498.036, 1498.037, 1498.038, 1498.039, 1498.040, 1498.041, 1498.042, 1498.043, 1498.044, 1498.045, 1498.046, 1498.047, 1498.048, 1498.049, 1498.050, 1498.051, 1498.052, 1498.054, 1498.055, 1498.056, 1498.057, 1498.058, 1498.059, 1498.060, 1498.061, 1498.062, 1498.063, 1498.064, 1498.065, 1498.066, 1498.067, 1498.068, 1498.069, 1498.070, 1498.071, 1498.075, 1498.083, 1498.084, 1498.093, 1498.094, 1498.095, 1498.096, 1498.097, 1498.098, 1498.099, 1498.100, 1499.005, 1499.006, 1499.007, 1499.008, 1499.009, 1499.021, 1499.023, 1499.024, 1499.025, 1499.026, 1499.027, 1499.028, 1499.050, 1499.051, 1499.054, 1499.057, 1499.058, 1499.068, 1499.069, 1499.070, 1499.071, 1499.072, 1499.073, 1499.075, 1499.076, 1499.081, 1499.085, 1499.086, 1499.087, 1499.088, 1499.089; **RBINS**: 19909, 19909.1, 19909.2, 19909.3, 19909.4; **RMCA**: 82.016-M-0003, 82.016-M-0004, 82.016-M-0010, 82.016-M-0011, 82.016-M-0012, 82.016-M-0013, 82.016-M-0014, 82.016-M-0015, 82.016-M-0016, 82.016-M-0017, 82.016-M-0018, 82.016-M-0019, 82.016-M-0021, 82.016-M-0022, 82.016-M-0023, 82.016-M-0024, 82.016-M-0025, 82.016-M-0026, 82.016-M-0027, 82.016-M-0028, 82.016-M-0029, 82.016-M-0030, 82.016-M-0031, 82.016-M-0032, 82.016-M-0033, 82.016-M-0034, 82.016-M-0035, 82.016-M-0036, 82.016-M-0037, 82.016-M-0038, 82.016-M-0039, 82.016-M-0040, 82.016-M-0041, 82.016-M-0042, 82.016-M-0044, 82.016-M-0045, 82.016-M-0046, 82.016-M-0047, 82.016-M-0048, 82.016-M-0049, 82.016-M-0050, 82.016-M-0051, 82.016-M-0052, 82.016-M-0053, 82.016-M-0054, 82.016-M-0055, 82.016-M-0056, 82.016-M-0057, 82.016-M-0058, 82.016-M-0059, 82.016-M-0060, 82.016-M-0061, 82.016-M-0062, 82.016-M-0063, 82.016-M-0064, 82.016-M-0065, 82.016-M-0066, 82.016-M-0067, 82.016-M-0070, 82.016-M-0071, 82.016-M-0073, 82.016-M-0074, 82.016-M-0075, 82.016-M-0076, 82.016-M-0077, 82.016-M-0078, 82.016-M-0079, 82.016-M-0080, 82.016-M-0081, 82.016-M-0082, 82.016-M-0083, 82.016-M-0084, 82.016-M-0085, 82.016-M-0086, 82.016-M-0087, 82.016-M-0088, 82.016-M-0089, 82.016-M-0090, 82.016-M-0091, 82.016-M-0092, 82.016-M-0093, 82.016-M-0125, 82.016-M-0126, 82.016-M-0127, 82.016-M-0128, 82.016-M-0130, 82.016-M-0131, 82.016-M-0132, 82.016-M-0133, 82.016-M-0134, 82.016-M-0135, 82.016-M-0136, 82.016-M-0137, 82.016-M-0138, 82.016-M-0139, 82.016-M-0140, 82.016-M-0141, 82.016-M-0142, 82.016-M-0143, 82.016-M-0144, 82.016-M-0153, 82.016-M-0154, 82.016-M-0155, 82.016-M-0156 - Bukara (040637S 294641E): **MHNG**: 1499.074 - Busiga (02 52 35 S 29 44 03 E, 1829 m): **MHNG**: 1499.001 - Cibitoke (02 53 13 S 29 07 29 E, 1020 m): **RBINS**: 20272 - Gifuruzi (=Kifuruzi) (04 18 57 S 29 35 06 E): **MHNG**: 1498.076 - Gihanga (=Kihanga) (03 11 41 S 29 17 43 E, 814 m): **MHNG**: 1497.099, 1499.010, 1499.011, 1499.012, 1499.013, 1499.014, 1499.015, 1499.016, 1499.017, 1499.018, 1499.019, 1499.020, 1499.032, 1499.033, 1499.034, 1499.036, 1499.037, 1499.038, 1499.039, 1499.040, 1499.041, 1499.042, 1499.043, 1499.044, 1499.045, 1499.047, 1499.048, 1499.049, 1499.052, 1499.053, 1499.055, 1499.056, 1499.063, 1499.077, 1499.082, 1499.083, 1499.084 - Gihanga (0312S 2920E): **SMF**: 57512 - Giheta (0320S 2950E):

SMF: 57511 - Gitega (03 25 35 S 29 55 51 E, 1845 m): **MHNG**: 1498.053, 1499.059, 1499.060, 1499.061, 1499.062 - Kibimba (03 18 S 29 48 32 E, 1730 m): **MHNG**: 1498.073, 1498.074 - Kigamba (03 04 S 30 31 E, 1532 m): **RBINS**: 19900.01, 19900.02, 19900.03, 19900.04, 19900.05, 19900.06, 19900.07, 19900.08, 19900.09, 19900.10, 19900.11, 19900.12, 19900.13, 19900.14, 19900.15, 19900.16, 19900.17, 19900.18, 19900.19, 19900.20, 19900.21, 19900.22, 19900.23, 19900.24, 19900.25, 19900.26, 19900.27, 19900.28, 19900.29, 19900.30, 19900.31, 19900.32, 19900.33, 19900.34, 19900.35, 19902, 19902.2 - Lake Cohoha (0230S 3007E): **SMF**: 57509, 57510 - Makamba (04 08 05 S 29 48 18 E, 1472 m): **MHNG**: 1498.077, 1498.078, 1498.079, 1498.080, 1498.081, 1499.030, 1499.031 - Murore (03 11 15 S 30 39 45 E, 1826 m): **MHNG**: 1499.064, 1499.065, 1499.066, 1499.067 - Mweya (03 29 25 S 29 55 42 E, 1762 m): **MHNG**: 1499.078, 1499.079 - Resha (0354S 2924E): **SMF**: 57503, 57504, 57505, 57506, 57507, 57508, 57513, 57514, 57515 - Ruhinga Hill (0355S 2935E, 2170 m): **FMNH**: 155941 - Rumonge (03 58 20 S 29 26 20 E, 809 m): **MHNG**: 1498.092 - Rumonge (035820S 292620E, 809 m): **RMCA**: 81.012-M-0042 - Russissi, bank [=Rusizi delta] (03 16 S 29 14 E): **RMCA**: 82.016-M-0145, 82.016-M-0147, 82.016-M-0149, 82.016-M-0150, 82.016-M-0151, 82.016-M-0152 - Zimet Quarter (03 24 S 29 21 E): **MHNG**: 1498.085, 1498.086, 1498.088, 1498.089, 1498.090, 1498.091, 1499.002, 1499.003, 1499.004.

Cameroon:

Ngaoundéré, 14 km S (07 19 N 13 35 E, 1212 m): **TTU**: 17941, 17942.

Chad:

Chari delta (ca. 13 00 N 15 00 E): **SMF**: 6360 - Fort Lamy (120647N 150257E, 298 m): **USNM**: 268498.

Congo:

Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15667.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 26682 - Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V1839.2.1, V1839.2.2 - Albertville (0556S 2912E, 763 m): **BMNH**: 1955.1191; **RMCA**: 22947 - Alima (00 35 00 N 29 18 00 E): **RMCA**: 28530 - Baraka (04 05 S 29 05 E, 772 m): **BMNH**: 1853.1, 1953.1, 1953.2, 1953.3, 1953.4; **RBINS**: 9061.1, 9061.2, 9061.3, 9061.4 - Beni (00 30 00 N 29 28 00 E, 853 m): **RMCA**: 12133, 12134, 3245 - Bobandana (01 41 56 S 29 00 47 E): **MNHN**: ZM-MO-1975-1066 - Boma (0551S 1303E, 61 m): **RMCA**: 16220b, 7294, 7640 - Bongeya river (1350 m): **INPBC**: V264.1, V264.3 - Bushanganya (02 19 00 S 28 47 00 E): **RMCA**: 27939 - Butembo (0009N 2917E, 1381 m): **RMCA**: 19922, 22722, 22813, 22814a, 22815, 23740, 24004, 24005, 24006, 24007, 24008, 24009, 24010, 24011, 24012, 24013, 24014, 24015, 24016, 24017, 24018, 25848, 25849, 25850, 25851, 26198, 26423, 26434, 26583, 26584, 26585, 26586, 26650, 26651, 26681, 26894, 27041, 27042, 27043, 27044, 27045, 27046, 27047, 27048, 27049, 27050, 27349, 27350, 27351, 27352, 27353, 27354, 27355, 27356, 27357, 27358, 27376, 27377, 27378, 27379, 27380, 27381, 27382, 27383, 27385, 27386, 27387, 27481, 27482, 27483, 27484, 27485, 27486, 27487, 27489, 27490, 27491, 27492, 27493, 27651, 27652, 27653, 27654, 27779, 27780, 27781, 27886, 27887, 27888, 27889, 27890, 28322, 28323, 28324, 28325, 28326, 28327, 28328, 28329, 28330, 28331, 28332, 28333, 28334, 28335, 28336, 28337, 28338, 28339, 30809, 36193, 36195, 36196, 36197, 36201, 36203, 75.042-M-0001, 75.042-M-0002, 75.042-M-0003, 75.042-M-0004, 75.042-M-0005, 75.042-M-0006 - Byonga (03 21 00 S 28 08 00 E): **RMCA**: 31242 - Cel I (04 21 00 N 29 17 00 E, 742 m): **RBINS**: 13506, 13507, 13508 - Cel II (ca. 03 55 00 N 29 22 00 E): **RBINS**: 13510, 13511, 13513.1, 13513.2, 13516; **RMCA**: 36548, 36549, 36550, 36551 - Costermansville (020300S 28510539E, 1498 m): **RMCA**: 14975, 20271 - Dilolo (10 28 00 S 22 28 00 E, 1069 m): **RMCA**: 18228, 18229 - Epulu (012345N 283440E, 750 m): **RMCA**: 90.031-M-0005, 90.031-M-0006 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 48661, 48732, 48734, 48735, 48736, 48737, 48738, 48739, 48740, 48741, 48742, 48743, 48745, 48746, 48747, 48748, 48749, 48750, 49200, 49201, 49202, 49204; **RBINS**: 13517; **RMCA**: 12373, 12374 - Fatakit (02 00 N 30 34 E, 1611 m): **RBINS**: 18528.1, 18528.2 - Fomulac-Katana (02 13 S 28 50 E): **SMF**: 31792, 31793, 31795 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 11658.1, 11658.2, 11658.3, 11658.4, 12934, 12935, 12936; **RMCA**: 25602, 25603, 25604, 25605 - Garamba National Park (04 10 00 N 29 30 00 E): **RBINS**: 13518 - Ibebero: **ZMZ**: 15596 - Kabare (02 29 48 S 28 47 27 E, 2044 m): **RMCA**: 15833 - Kakondo (02 15 00 S 28 42 00 E, 3051 m): **RMCA**: 19654 - Kaniki Kapangu (06 45 00 S 23 31 00 E, 805 m): **RMCA**: 35276, 35282, 35283, 35284, 35285 - Kasai, eastern (ca. 06 00 S 22 00 E): **RMCA**: 35286 - Kasaka (00 05 N 29 36 E, 900 m): **RMCA**: 38155 - Katanda (00 50 54 S 29 22 08 E, 975 m): **INPBC**: W976; **RMCA**: 37109 - Kere Kere (02 42 00 N 30 33 00 E, 1158 m): **RMCA**: 20094, 20095, 20096 - Keyberg (11 43 00 S 27 25 00 E): **RBINS**: 13106 - Kilinga (01 10 00 S 28 29 00 E, 1275 m): **RMCA**: 37114 - Kilwezi (09 06 00 S 26 46 00 E, 854 m): **RBINS**: 10677 - Kitombongo (08 53 56 S 26 23 25 E, 608 m): **MNHN**: ZM-2011-781 - Kivu region: **SMF**: 31794, 31796, 31797, 31798, 31799, 31800, 31801, 31802, 31804, 31805, 31806, 31807, 31808, 31813, 31814, 31815 - Kiyite: **RMCA**: 36199 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 31127a - Luebo (05 21 00 S 21 25 00 E, 478 m): **AMNH**: 82375 - Luena: **MNHN**: ZM-2011-782 - Lukonzolwa (08 47 00 S 28 39 00 E, 918 m): **RMCA**: 16490 - Lulimbi (00 28 00 S 29 39 00 E): **RMCA**: 77.029-M-0001 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 35277b - Lurhogole Swamp area (ca. 0200S 2845E): **FMNH**: 189290 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **FMNH**: 171625, 171626, 171627, 171628, 171629, 173292, 173293, 173294; **RMCA**: 35070, 35071a; **SMF**: 31803, 31809, 31810, 31811, 31812; **SMNS**: 7289, 7290; **ZMZ**: 14140, 15528, 15534, 15535, 15581, 15594, 16678 - Lwiro Katana (02 14 24 S 28 47 50 E, 5400 ft): **RMCA**: 27505 - Maboya (00 19 00 N 29 20 00 E, 1374 m): **RMCA**: 38575, 38576 - Mahagi Port (020900N 311400E, 679 m): **RMCA**: 9004 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0281, 93.079-M-0322 - Moba (070300S 294700E, 763 m): **BMNH**: 1957.431; **RMCA**: 22124 - Mount Wago (014500N 304000E, 2240 m): **RBINS**: 21667; **RMCA**: 23165 - Mukwande river (00 19 N 29 42 E, 1300 m): **RMCA**: 37108 - Mulala (00 19 N 29 44 E, 1200 m): **INPBC**: W332 - Mulongo (07 50 S 27 00 E, 578 m): **HZM**: 32.7869 - Mulungu (02 19 00 S 28 48 00 E, 1159 m): **RMCA**: 15875, 15876, 15877, 15878, 19651, 19656 - Mutembu Kaniki Kapangu (06 45 00 S 23 31 00 E): **RMCA**: 35279 - Mutsora (00 19 00 N 29 44 00 E, 1200 m): **INPBC**: W1240, W1367, W1475; **RBINS**: 17292; **RMCA**: 37106, 37110, 37112, 37113 - Mutwanga (002000N 294500E, 1338 m): **RMCA**: 37111 - Ndotwe (00 12 S 29 28 E): **INPBC**: V1439 - Ngokai (00 19 00 N 29 45 00 E): **RMCA**: 37107 - Nkene (02 16 00 S 28 47 00 E): **RMCA**: 28030 - Nyakaliba: **RBINS**: 17293 - Ogondjo (02 10 59 N 30 55 59 E, 1700 m): **RMCA**: 17758 - Parc National de Garamba (04 10 N 29 30 E): **RBINS**: 13512, 13514, 13515, 13519 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **AMNH**: 82378; **FMNH**: 26497, 30578; **INPBC**: V125, V1310, V1382.2, V1386.2, V1387, V1423, V1525.2, V1574, V1592, V1641, V397, V398, V408, V411, W618; **RBINS**: 4786, 4787; **RMCA**: 13825, 13867, 17082 - Semmio (05 03 00 N 27 07 00 E): **RMNH**: MAM.27276 - Topetope (02 16 00 S 28 03 00 E, 1390 m): **RMCA**: 34380a - Tshibinda (02 19 00 S 28 45 00 E, 1918 m): **RMCA**: 20265 - Uvira (032424S 290845E, 746 m): **NMW**: 4880; **RMCA**: 22755, 22756, 27987, 31008, 31009, 79.010-M-0004, 79.011-M-0001, 79.011-M-0002; **USNM**: 301713, 301714 - Wago (mount) (014500N 300400E, 2240 m): **RMCA**: 23150.

Djibouti:

Unknown locality: **MNHN**: ZM-MO-2000-553.

Eritrea:

Bogos country (1546N 3830E): **ZMB**: 10079 (Holotype *Ep[omophorus (Epomophorus)] doriae*) - Dongollo Basso (1500N 3800E): **MZUF**: 9943 - Keren: **MSNG**: 41197 - Keren (1546N 3827E, 1400 m): **ZMB**: 67067, 67068 - Zeriba Ambarab (1510N 3655E): **MSNG**: 41198.

Ethiopia:

Unknown locality: **BMNH**: 1960.330, 1972.495_1, 1972.495_2, 1972.495_3, 1972.495_4, 1972.495_5, 1972.495_6; **RMNH**: MAM.27341; **SMF**: 44254, 44255, 44256, 49146 - Abaya lake, W bank (06 13 N 37 49 E): **MNHN**: ZM-MO-1972-476A, ZM-MO-1972-476B, ZM-MO-1972-476C - Abiata, lake (0737N 3836E): **USNM**: 497522, 497528 - Abiata, Lake, E coast (07 34 N 38 39 E): **BMNH**: 1971.2423; **SMF**: 45733 - Abyssinia: **RMNH**: MAM.27340 - Aselle [= Aseita] (0800N 3900E): **USNM**: 462683, 462684, 462685, 462686, 462690, 462691, 462692, 462704, 462705, 462706, 462707, 462708, 462709, 462710, 462711, 462712 - Awasa, lake (07 03 N 38 26 E): **SMF**: 45011, 45012, 45014, 45015, 45019, 45021, 45022; **ZMA**: MAM.17343 - Azir River mouth: **BMNH**: 1970.397, 1970.398 - Bahadu (10 11 35 N 40 37 08 E): **USNM**: 497491, 497530, 497533, 497534, 497538, 497539, 497540, 497541, 497544, 497549, 497577, 497580, 497581, 497582, 497584 - Bahr dar Giorgis: **BMNH**: 1923.3.26.1 - Bahr der Giorgis (1135N 3725E): **BMNH**: 1923.3.26.2 - Bellegaz valley (1250N 3820E): **NMW**: 18300 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **BMNH**: 1971.2410, 1971.2410_1, 1971.2410_2, 1972.497, 1972.498; **SMNS**: 29878; **USNM**: 462687, 462688, 497492 - Didessa settlement (09 02 N 36 09 E): **USNM**: 462689 - Gambela (08 15 N 34 35 E, 514 m): **USNM**: 520889 - Ghinda: **MSNG**: 41195 - Ghinir, 7 km from (ca. 0710N 4042E): **MNHN**: ZM-MO-1972-477 A, ZM-MO-1972-477 B, ZM-MO-1972-477 C, ZM-MO-1972-477 D, ZM-MO-1972-477 E, ZM-MO-1972-477 F - Gofa (0615N 3640E): **ZMB**: 67070 - Gondar (123600N 372800E): **BMNH**: 1960.138 - Gondar (1237N 3727E): **BMNH**: 1960.137 - Harre river (06 03 N 37 38 E): **SMF**: 47856, 47857, 47860, 47861 - Jigiga Road bridge (ca. 0921N 4248E): **MVZ**: 141882 - Jigiga Road bridge, 0.5 km E (ca. 0921N 4248E): **MVZ**: 141881 - Koka (08 26 N 39 02 E, 1700 m): **USNM**: 462682, 462698, 462700, 462701, 462702, 497552, 497553, 497558, 497559, 497560, 497565, 497566, 497568, 497574 - Let Marefia (093800N 394500E): **MSNG**: 41196 - Makalle (1327N 3931E): **USNM**: 521056 - Shifra (1139N 4001E): **SMNS**: 29860, 29880 - Shoa (09 00 N 39 00 E, 1981 m): **SMF**: 4370 (Holotype *Pteropus Schoënsis*) - Simien mountains (13 21 N 38 18 E): **SMF**: 12431 - Tana, lake (1200N 3720E): **SMNS**: 17489.

Ghana:

Achimota College (05 37 00 N 00 14 00 W, 82 m): **FMNH**: 105811, 105812.

Kenya:

Unknown locality: **BMNH**: 1978.931_1, 1978.931_2, 1978.931_3, 1978.931_4, 1979.941, 1979.943; **QM**: JM6274 - Barberton Cave (0045N 3445E): **USNM**: 350810, 350811 - Barberton Farm (ca. 0047N 3450E): **USNM**: 350809, 350812 - Central Elgon (0105N 3445E, 1981 m): **ROM**: 65556, 65570, 65571 - Cherangani Hills (0115S 3527E, 1981 m): **ROM**: 38046, 39505, 39506, 39507, 39508 - Cherangany (0059N 3513E, 1890 m): **FMNH**: 152286 - Devil's cave (0045N 3445E): **WNMU**: 6180 - Elgon Forest (0058N 3440E, 1951 m): **ROM**: 37245, 37246, 37247, 37249, 37250, 37251, 37252, 37253, 37255, 37256, 37258, 37259, 37260, 37261, 37262, 37263 - Elgon, Mount (0107N 3435E): **BMNH**: 1910.4.1.4; **WNMU**: 2287, 3249, 3630 - Endebess (0104N 3451E): **BMNH**: 1975.2412 - Gazi (0425S 3930E, 3 m): **ROM**: 91151 - Hoey's bridge (00 52 34 N 35 07 13 E, 1822 m): **USNM**: 436420, 436421, 436422, 436423, 436424, 436426, 436427, 436433, 436434 - Kabras Forest (0026N 3448E): **ROM**: 38582, 38583, 38584, 38585, 38586, 38587, 38588, 38589, 38590, 38591, 38592, 38593, 38594, 38595, 38596, 38597 - Kaimosi (00 08 S 34 47 E): **MCZ**: 31146, 32939 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 65993, 65994, 65995, 65996, 65997, 66000, 66001 - Kamuani (ca. 0131S 3716E): **CUMV**: 13625 - Kamuani Area (ca. 0131S 3716E): **CUMV**: 13616 - Kamuuani (ca. 0131S 3716E): **CUMV**: 14724, 14732 - Katilo: **BMNH**: 1979.937_1, 1979.937_2, 1979.937_3, 1979.937_4 - Kazita River (001558S 380011E): **MCZ**: 16082, 16083 - Kibwezi, near (ca. 02 25 S 37 58 E, 3500 ft): **AMNH**: 184472 - Kikambala (03 54 00 S 39 47 00 E, 0 m): **SMF**: 47648 - Kilongo Hills (0217S 3755E): **CUMV**: 13685 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **ROM**: 65810, 65813; **USNM**: 436425, 436435, 436468, 436469, 436470, 436490, 436491, 436492 - Kitale area (0101N 3501E): **ROM**: 65830, 66564, 66565, 66566 - Kitale, 12 mi W (0102N 3450E): **USNM**: 436428, 436429, 436430, 436431, 436432, 436443, 436444, 436449, 436459, 436461, 436462, 436464, 436465, 436471, 436472, 436473, 436474, 436475, 436476 - Kitale, 12 mi W (0102N 3450E, 1890 m): **USNM**: 436452, 436454, 436463, 436466, 436467 - Kitale, 20 mi S (ca. 0101N 3501E, 1951 m): **FMNH**: 152270 - Kitale, 20 mi SW (0045N 3445E, 1951 m): **FMNH**: 152271 - Kitale, 24 km from (0108N 3452E): **ROM**: 65614 - Kongelai (0128N 3502E): **ROM**: 40196, 40197 - Kongelai Escarpment (0128N 3501E): **LACM**: 51442 - Kongelai Escarpment, Tambala Falls (2134m): **FMNH**: 152284, 152285 - Kongelai, 12 mi W (0128N 3501E): **USNM**: 436445, 436446, 436447, 436448, 436450, 436453, 436456, 436460 - Kongelai, 12 mi W (0128N 3501E, 1890 m): **USNM**: 436451, 436455, 436457, 436458 - Kongelai, 3 mi S (0128N 3501E): **USNM**: 436436, 436437, 436438, 436439 - Kongelai, 3 mi S (0128N 3501E, 1372 m): **USNM**: 436440, 436477, 436478, 436479, 436480, 436481, 436482, 436483 - Kyanguli (004839S 382302E): **CUMV**: 14511 - Lamu town, NW of (ca. 02 16 42 S 40 54 12 E, 1 m): **MSU**: MR.33405 - Lukore area (04 13 S 39 25 E): **CUMV**: 13591, 13592 - Masailand (0145S 3600E): **RMNH**: MAM.19503 - Mitunbur (012100N 350300E, 1219 m): **ROM**: 38251, 38253 - Mitunbur (0128N 3504E): **ROM**: 38250 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1890 m): **ROM**: 42958 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1920 m): **ROM**: 50856, 50857, 50858 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1981 m): **ROM**: 48754, 48755, 56354, 56356, 56357, 56358 - Mout Elgon (010800N 343300E): **BMNH**: 1910.4.1.5 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E): **ROM**: 77986, 91150 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152272, 152273, 152274, 152275, 152276, 152277, 152278, 152279, 152280, 152281, 152282, 152283 - Mukangu Village (00 22 03 N 34 52 11 E): **MMU**: PWW2932, PWW2934, PWW2936, PWW2937 - Mweru River (0003N 3739E): **MCZ**: 8260, 8261, 8262, 8263, 8264, 8265 - Nairobi, 6 mi N (ca. 011700S 364900E): **CUMV**: 12718 - Nakuchett (0146N 3507E, 1311 m): **USNM**: 436484, 436485, 436486 - North Cherangani (0100N 3514E, 1981 m): **ROM**: 39509 - Nyaami (ca. 014802S 372525E): **CUMV**: 13687 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 63884, 63885, 63886, 63887, 63888, 63889 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **CUMV**: 14571, 14572, 14573, 14584, 14585, 14586 - Sigor, 1 mi [= 1.6 km] SE (ca. 01 29 N 35 29 E): **MVZ**: 142033 - Simba (0210S 3736E): **BMNH**: 1978.934 - State Loge Campsite (00 06 34 S 34 44 46 E): **MMU**: PWW2995, PWW2996 - Takaungu (0341S 3951E): **ZMB**: 53873 (Paralectotype *Ep[omophorus (Epomophorus)] neumanni*), 53897 (Paralectotype *Ep[omophorus (Epomophorus)] neumanni*) - Talek Gate, 4.3 km NW (01 23 S 34 53 E, 1530 m): **FMNH**: 123791 - Tana River (023149S 403126E): **MCZ**: 16081 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 66882 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **USNM**: 589824, 589825, 589826 - Tororo, 30 mi [= 48 km] E (0040N 3430E): **ROM**: 36229, 36230, 36231, 36233, 36234, 36235, 36236 - Tororo, 30 mi [= 48 km] E (0040N 3430E, 1524 m): **FMNH**: 152287, 152288 - Tororo, 30 mi E (0040N 3430E): **ROM**: 36228, 36232 - Turkwell: **BMNH**: 1893.2.3.4, 1893.2.3.6 - Vipingo (0349S 3948E, 99 m): **ROM**: 66700, 66703, 66704, 66705, 66706, 66707, 66805, 66806, 66807 - West Pokot Escarpement (0128N 3501E, 1219 m): **ROM**: 39511.

Malawi:

Unknown locality: **MNHN**: ZM-MO-1999-115, ZM-MO-1999-116, ZM-MO-1999-117, ZM-MO-1999-118, ZM-MO-1999-119; **SMF**: 93754, 93755, 93756, 93757, 93758, 93759, 93760, 93761, 93762 - Administration Camp (12 55 00 S 33 07 00 E, 1000m): **ZMA**: MAM.21675, MAM.21676, MAM.21677 - Blantyre (15 47 00 S 35 00 00 E, 1065 m): **NMMB**: #a, #b, NM118 - Blantyre, Mandala (1547S 3500E, 1000m): **NMMB**: 74ROM918 - Cape Maclear (14 01 00 S 34 51 00 E, 562 m): **CM**: 40975B; **FMNH**: 409758, 409759, 409760, 409761, 409762 - Chitipa Township (09 43 00 S 33 16 00 E, 1242 m): **TM**: 41744 - Karonga (09 56 S 33 56 E, 477 m): **BMNH**: 1920.6.26.1a, 1920.6.26.1b; **HZM**: 12.2198, 13.2204, 20.2621, 21.2638, 22.2639, 9.1926; **NMMB**: 74ROM928, 74ROM930, 74ROM932, 74ROM934, NM500; **SMF**: 93228, 93229, 93230, 93231, 93232, 93233, 93234, 93235, 93236 - Karonga, 10 km W (09 57 01 S 33 50 12 E, 1000m): **ZMA**: MAM.26102 - Kausi (1438S 3515E): **MCZ**: 43763 - Kota Kota (12 55 00 S 34 18 00 E, 471 m): **AMNH**: 161853, 161854, 161855, 161856, 161857, 161858, 161859 - Lifupa Camp (13 03 S 33 09 E, 1050m): **ZMA**: MAM.21671, MAM.21672, MAM.21673, MAM.21674, MAM.21687, MAM.26103, MAM.26104 - Likabula river (16 01 00 S 34 47 00 E, 1200 m): **HZM**: 37.15153 - Lilongwe, 50 km E on Salima road (13 46 17 S 34 00 27 E): **MNHN**: ZM-MO-1999-124A, ZM-MO-1999-124C - Lingadzi River Valley (13 00 S 33 09 E, 1050m): **ZMA**: MAM.21678 - Lisanthu (13 00 S 33 10 E, 1000m): **ZMA**: MAM.21680, MAM.21681, MAM.21682, MAM.21683, MAM.21684, MAM.21685, MAM.21686 - Liwonde National Park, Headquaters (15 02 18 S 35 15 16 E): **TM**: 41764, 41765, 41781 - MacLear, cape (1358S 3449E): **CM**: 40958, 40959, 40960, 40961, 40962 - Malema (Camp) (10 01 13.27 S 33 55 36.45 E): **MNHN**: ZM-MO-1999-113, ZM-MO-1999-114 - Monkey Bay (14 04 00 S 34 55 00 E, 496m): **NMMB**: 74ROM933, 74ROM935 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.26106, MAM.26107, MAM.26108, MAM.26109, MAM.26120 - Mwaya (1228S 3343E): **BMNH**: 1951.379 - Namazo Bay (14 10 00 S 34 59 00 E, 522m): **ZMA**: MAM.26110, MAM.26111, MAM.26112, MAM.26113, MAM.26114, MAM.26115, MAM.26116, MAM.26117, MAM.26118, MAM.26119 - Nchalo (1615S 3451E): **HZM**: 35.14891, 36.14892 - Nkhota-Kota (1256S 3418E): **KM**: 11773, 11774, 11776, 11777, 11778, 11779 - Rwosho River: **MNHN**: ZM-MO-1999-120, ZM-MO-1999-121 - Vitanda (12 57 S 33 10 E, 1000m): **ZMA**: MAM.21679 - Zambezi River, left bank (ca. 17 07 S 35 06 E): **MNHN**: ZM-MO-1999-124B.

Mozambique:

Meponda (13 24 05 S 34 52 14 E, 590 m): **DNSM**: 8644.

Rwanda:

Astrida (023550S 294420E, 1733 m): **MHNG**: 1872.016, 1872.017, 1872.018, 1872.019, 1872.020, 921.029, 921.030; **RMCA**: 20175, 20176, 20492, 23140, 23170, 31044 - Butare (023550S 294420E, 1733 m): **RMCA**: 82.006-M-1031, 82.006-M-1032, 82.006-M-1033, 82.006-M-1076, 82.006-M-1077, 82.006-M-1078, 82.006-M-1079, 85.006-M-0466, 85.006-M-0467, 85.006-M-0468, 85.006-M-0469, 85.006-M-0470, 85.006-M-0471, 85.006-M-0472, 85.006-M-0473, 85.006-M-0474, 85.006-M-0475, 85.006-M-0476, 85.006-M-0477, 85.006-M-0478, 85.006-M-0479, 85.006-M-0480, 85.006-M-0481, 85.006-M-0482, 85.006-M-0483, 85.006-M-0484, 85.006-M-0490, 85.006-M-0491, 85.006-M-0492, 85.006-M-0493, 85.006-M-0494, 85.006-M-0495, 85.006-M-0496, 85.006-M-0497, 85.006-M-0498, 85.006-M-0499, 85.006-M-0500, 85.006-M-0501, 85.006-M-0502, 85.006-M-0503, 85.006-M-0504, 85.006-M-0505, 85.006-M-0506, 85.006-M-0507, 85.006-M-0508, 85.006-M-0509, 85.006-M-0519, 87.046-M-0350, 87.046-M-0351, 87.046-M-0352, 87.046-M-0353, 87.046-M-0354, 87.046-M-0355, 87.046-M-0356, 87.046-M-0362, 87.046-M-0376, 87.046-M-0377, 87.046-M-0378 - Butare INRS (023550S 294420E, 1733 m): **RMCA**: 35912, 35913, 35914, 74.020-M-0048, 74.020-M-0049, 74.020-M-0050, 74.020-M-0051, 74.020-M-0052, 74.020-M-0053, 74.020-M-0054, 74.020-M-0055, 74.020-M-0056, 74.020-M-0057, 74.020-M-0058, 74.020-M-0059, 74.020-M-0060, 74.020-M-0061, 74.020-M-0062, 74.020-M-0063 - Cyili (020300S 294600E): **RMCA**: 85.006-M-0485, 85.006-M-0486, 85.006-M-0487, 85.006-M-0488, 85.006-M-0510, 85.006-M-0511, 85.006-M-0512 - Gafumba (022744S 294945E): **RMCA**: 85.006-M-0489, 85.006-M-0513, 85.006-M-0514 - Gafunzo Kigaga (022334S 290240E): **RMCA**: 85.006-M-0515, 85.006-M-0516 - Gakoma (mission) (022847S 295516E): **ZMZ**: 15530, 15540, 15542, 15544, 16676, 16677 - Gisenyi (01 41 15 S 29 15 17 E, 1450 m): **ZMA**: MAM.21241, MAM.21242 - Gisenyi (014115S 291517E, 1450 m): **RMCA**: 80.055-M-0015, 80.055-M-0016, 80.055-M-0017, 80.055-M-0025, 80.055-M-0026, 80.055-M-0027, 80.055-M-0028, 80.055-M-0029, 80.055-M-0030, 80.055-M-0031, 82.006-M-1034 - Gitovu (021900S 290900E, 1649 m): **RMCA**: 35911 - Karama (021600S 301600E): **RMCA**: 82.006-M-1035 - Kayonza (015644S 303113E, 2400 m): **RMCA**: 80.055-M-0049, 80.055-M-0050, 80.055-M-0051 - Kibuye (020320S 292059E, 1457 m): **RMCA**: 73.058-M-0001, 80.055-M-0010, 80.055-M-0019, 80.055-M-0020, 80.055-M-0042, 80.055-M-0043, 80.055-M-0044, 80.055-M-0045, 80.055-M-0046, 80.055-M-0047, 80.055-M-0048 - Kidaho (012212S 294433E, 1944 m): **RMCA**: 87.046-M-0357, 87.046-M-0358, 87.046-M-0359, 87.046-M-0360, 87.046-M-0361, 87.046-M-0363, 87.046-M-0364, 87.046-M-0365, 87.046-M-0366, 87.046-M-0367, 87.046-M-0368, 87.046-M-0369, 87.046-M-0370, 87.046-M-0371, 87.046-M-0372, 87.046-M-0373, 87.046-M-0374, 87.046-M-0375 - Kigali (015713S 300338E, 1567 m): **RMCA**: 73.057-M-0011, 80.055-M-0018, 80.055-M-0033, 80.055-M-0034, 80.055-M-0035, 80.055-M-0036, 80.055-M-0037, 80.055-M-0038, 80.055-M-0039, 80.055-M-0040, 80.055-M-0041 - Kisenyi (01 41 15 S 29 15 17 E, 1450 m): **AMNH**: 82376, 82377; **RMCA**: 16206 - Mabanza (020315S 292500E, 1612 m): **RMCA**: 80.055-M-0011, 80.055-M-0021 - Masaka - Kigali (015944S 301130E, 1448 m): **RMCA**: 73.057-M-0003, 73.057-M-0004, 73.057-M-0005 - Mimuli (01 27 04 S 30 15 26 E): **ZMZ**: 14141, 15527, 15536, 15539, 15541 - Mugusa, mount (02 28 52 S 29 51 23 E, 1575 m): **RBINS**: 16031, 16032, 16033 - Muhasi (015407S 302441E, 1525 m): **RMCA**: 73.057-M-0001, 73.057-M-0002, 73.057-M-0006, 73.057-M-0007, 73.057-M-0008, 73.057-M-0009, 73.057-M-0010 - Murunda (015400S 292200E, 1711 m): **RMCA**: 80.055-M-0012, 80.055-M-0022, 80.055-M-0023, 80.055-M-0024 - Musha (023140S 295154E): **RBINS**: 16023 - Nyamata (020945S 300601E): **RMCA**: 82.006-M-1055, 82.006-M-1056, 82.006-M-1057, 82.006-M-1058, 82.006-M-1059, 82.006-M-1060, 82.006-M-1061, 82.006-M-1062, 82.006-M-1092, 82.006-M-1093, 82.006-M-1094, 82.006-M-1095, 82.006-M-1096, 82.006-M-1097, 82.006-M-1098, 82.006-M-1099, 82.006-M-1100, 82.006-M-1101, 82.006-M-1102, 82.006-M-1103, 82.006-M-1104, 82.006-M-1105, 82.006-M-1139 - Nyumba cave (0239S 2942E): **RMCA**: 82.006-M-1036, 82.006-M-1037, 82.006-M-1038, 82.006-M-1039, 82.006-M-1040, 82.006-M-1041, 82.006-M-1042, 82.006-M-1043, 82.006-M-1044, 82.006-M-1045, 82.006-M-1047, 82.006-M-1048, 82.006-M-1049, 82.006-M-1050, 82.006-M-1051, 82.006-M-1052, 82.006-M-1053, 82.006-M-1054, 82.006-M-1080, 82.006-M-1081, 82.006-M-1082, 82.006-M-1083, 82.006-M-1084, 82.006-M-1085, 82.006-M-1086, 82.006-M-1087, 82.006-M-1088, 82.006-M-1089, 82.006-M-1090, 82.006-M-1091, 82.006-M-1140 - Nyundo (014147S 300137E, 1594 m): **RMCA**: 80.055-M-0013, 80.055-M-0014, 80.055-M-0032 - Rubengera (mission) (020258S 292534E): **RMCA**: 11462 - Rubona (021900S 295600E, 1346 m): **RBINS**: 15481.1, 15481.2, 16024, 16025, 16026, 16027, 16028, 16029, 16030, 16034, 16035; **RMCA**: 87.047-M-0132, 87.047-M-0133 - Rukira (021300S 303500E, 1709 m): **RMCA**: 82.006-M-1063, 82.006-M-1064, 82.006-M-1065, 82.006-M-1066, 82.006-M-1067, 82.006-M-1068, 82.006-M-1069, 82.006-M-1070, 82.006-M-1071, 82.006-M-1072, 82.006-M-1073, 82.006-M-1074, 82.006-M-1075, 82.006-M-1106, 82.006-M-1107, 82.006-M-1108, 82.006-M-1109, 82.006-M-1110, 82.006-M-1111, 82.006-M-1112, 82.006-M-1113, 82.006-M-1114,

82.006-M-1115, 82.006-M-1116, 82.006-M-1117, 82.006-M-1118, 82.006-M-1119, 82.006-M-1120, 82.006-M-1121, 82.006-M-1122, 82.006-M-1123, 82.006-M-1124, 82.006-M-1125, 82.006-M-1126, 82.006-M-1127, 82.006-M-1128, 82.006-M-1129, 82.006-M-1130, 82.006-M-1131, 82.006-M-1132, 82.006-M-1133, 82.006-M-1134, 82.006-M-1135, 82.006-M-1136, 82.006-M-1137, 82.006-M-1138 - Shangi (022413S 290021E): **RMCA**: 85.006-M-0517, 85.006-M-0518.

Somalia:

Libsoma farm (02 05 N 44 58 E): **TTU**: 39172 - Mogadischu [=Mogadishiu =Moqdisho] (0204N 4522E): **ZMB**: 67081.

South Africa:

Unknown locality: **AMNH**: 200225.

South Sudan:

Agok (0909N 2849E): **MSU**: MR.33377, MR.33378, MR.33379, MR.33380, MR.33381, MR.33385, MR.33390 - Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586788, 586801, 586813, 586818 - Boma Mountains, Western foothills (0610N 3425E): **SMNS**: 29874 - Bongo (0715N 2842E): **SMNS**: 1090 (Syntype *Epomophorus anurus*), 1091 (Syntype *Epomophorus anurus*) - Boro river (08 30 N 24 30 E): **SMNS**: 29894 - Boro river, 25 km N (ca. 08 30 N 24 30 E): **SMNS**: 29893 - Dem Zubeir (0743N 2613E, 609 m): **MSU**: MR.33400 - Didinga mountains, western foothils (0420N 3330E): **SMNS**: 29872, 29873 - Gilo (04 02 18 N 32 50 43 E, 1736 - 1863 m): **SMNS**: 29885 - Gwortapeng Village (03 55 09 N 31 38 07 E, 924 m): **USNM**: 587703, 587705 - Ikoto (0406N 3306E): **FMNH**: 68040 - Ikoto (0406N 3306E, 762 m): **FMNH**: 67161 - Ikoto (0406N 3306E, 914 m): **FMNH**: 67314, 67315, 67316, 67317 - Imurok (041846N 322328E): **USNM**: 368857, 368858 - Imurok (041846N 322328E, 914 m): **FMNH**: 67493, 67494, 67495, 67496 - Jale (03 43 09 N 31 39 32 E): **USNM**: 587142, 587143, 587144, 587145, 587146, 587147, 587148, 587149, 587150, 587151, 587152 - Kabi stream (03 56 52 N 31 34 41 E, 929 m): **USNM**: 587018, 587020, 587021, 587024, 587025, 587029, 587033, 587034, 587037, 587038, 587039, 587040, 587041, 587060, 587063 - Kagelu (0405N 3035E): **AMNH**: 118581 - Kajo Kaji, 10 mi W (0356N 3135E): **SMNS**: 29866, 29889, 29890 - Kajo-Keji County Health Department Headquarters (03 51 10 N 31 39 32 E, 955 m): **USNM**: 587696, 587697, 587698, 587699, 587700, 587701 - Kangapo One Payam (03 49 59 N 31 41 05 E, 954 m): **USNM**: 587716, 587717, 587718, 587719, 587720, 587721 - Kangapo Two Payam (03 43 45 N 31 34 17 E, 769 m): **USNM**: 587732, 587739, 587740 - Kapoeta (044618N 333525E): **SMNS**: 29883 - Kapoeta (0450N 3335E): **SMNS**: 29864 - Kijiri Village (03 45 00 N 31 35 00 E, 897 m): **USNM**: 587748, 587749 - Kinyiba-Bekat, approximately 1 km west of town center (03 49 45 N 31 35 14 E, 914 m): **USNM**: 587126, 587127, 587128, 587129, 587130, 587131 - Kombi stream, behind Reeder compound (03 55 58 N 31 36 17 E, 950 m): **USNM**: 587710, 587712 - Korobi, mount (0358N 3052E): **SMNS**: 29869, 29891 - Kungupuri (Bekat) Stream (03 52 47 N 31 38 42 E, 931 m): **USNM**: 586965 - Lorini stream (03 55 08 N 31 38 38 E, 936 m): **USNM**: 587741, 587742 - Maridi (0455N 2930E): **SMNS**: 29870 - Mbili (0701N 2759E): **MSU**: MR.33391, MR.33392, MR.33393, MR.33394, MR.33414, MR.33415, MR.33416, MR.33417 - Mogiri, Reeder Family Compound (03 56 09 N 31 36 29 E, 1024 m): **USNM**: 587632, 587633, 587636 - Mundari Civil Hospital (03 51 10 N 31 39 26 E, 955 m): **USNM**: 587638, 587639, 587640, 587641, 587642, 587643, 587690, 587691, 587692, 587693, 587694, 587695 - Mundari Civil Hospital (03 51 10 N 31 39 26 E, 965 m): **USNM**: 586895, 586896, 586897, 586898, 586899, 586900, 586905, 586906, 586907, 586908, 586909, 587078, 587079, 587080, 587081, 587082, 587083, 587135, 587136, 587137, 587138, 587140 - Mundri (0524N 3015E, 580 m): **MSU**: MR.33402, MR.33403, MR.33404, MR.33419 - Nagishot (0416N 3334E): **SMNS**: 29884 - Ngohalima (0728N 2800E): **MSU**: MR.33382, MR.33383 - Ngosulugu (0740N 2800E): **MSU**: MR.33395, MR.33396 - Nzara (04 38 36 N 28 15 11 E, 595 m): **BMNH**: 1977.595, 1977.595_1, 1977.595_2, 1977.596 - Raffili (0651N 2759E, 463 m): **MSU**: MR.33397, MR.33398, MR.33399, MR.33418 - Raga (0826N 2546E): **MSU**: MR.33401 - Tonj (0715N 2845E): **SMNS**: 29862, 29881 - Torit (042448N 323404E): **SMNS**: 29863 - Torit (0427N 3231E): **USNM**: 368844, 368845, 368846, 368847, 368848, 368849, 368850, 368851, 368852, 368853, 368854, 368855, 368856 - Torit (0427N 3231E, 610 m): **FMNH**: 143932, 66546, 66547, 66548, 66549, 66550, 66551, 66552, 66553, 66554, 66555, 66556, 66557, 66558, 66559, 66560, 66561, 66562, 66563, 66564, 66565, 66566, 66567, 66568, 66569, 66570, 66571, 66572, 66573, 66574, 66575, 66576, 66577, 66578, 66579, 66597, 66598, 66599, 66600, 66601, 66602, 68041 - Torit (0427N 3231E, 631 m): **FMNH**: 67318 - Torit, 80 km E (0427N 3231E): **SMNS**: 29882 - Wau (0740N 2804E): **MSU**: MR.33389 - Wau (074200N 280000E): **MSU**: MR.33376, MR.33384, MR.33615 - Wudu Market (03 50 54 N 31 39 28 E, 952 m): **USNM**: 586901, 586902, 586903.

Sudan:

Unknown locality: **SMNS**: 29876 - Bellegas: **SMNS**: 609/661 (Syntype *Epomophorus anurus*) - Buram (10 36 N 29 57 E): **SMF**: 33038, 33039, 33040, 33041, 33042, 33043, 33044, 33045, 33046, 33047, 33048, 33049, 33050, 33051, 33052, 33053, 33055, 33056, 33057, 33156, 33157 - Dad Majok: **BMNH**: 1908.4.2.1, 1908.4.2.2 - Fazogli (1120N 3445E): **MCZ**: 14453, 14454, 14605 - Jebel Moba (1135N 3430E): **BMNH**: 1911.11.25.4 - Kadugli (11 00 N 29 43 E): **SMF**: 33054, 33154, 33155 - Maridi: **SMNS**: 29892 - Rikki river (0923N 2436E): **SMNS**: 29875 - Sennar (13 33 N 33 38 E, 390 m): **MNHN**: ZM-AC-I-394; **RMNH**: MAM.27342 (Lectotype *Pteropus labiatus*) - Sue River: **SMNS**: 29871 - Suni (1250N 2420E): **SMNS**: 37381 - Talodi (103811N 302247E, 467 m): **ROM**: 77215 - Telaweit (1524N 3625E): **FMNH**: 105578, 99550, 99551, 99552 - Zalingei (1252N 2329E): **ROM**: 62613.

Tanzania:

Unknown locality: **SMF**: 81221, 81222; **ZMB**: 67066 - Arusha region: **SMF**: 29023, 29024 - Arusha, 6 mi S (0335S 3720E, 1372 m): **FMNH**: 86017, 86018, 86509, 86510 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **RMNH**: MAM.08697, MAM.08698, MAM.08699, MAM.08700, MAM.08703, MAM.08705, MAM.08708, MAM.08709, MAM.08711, MAM.15804, MAM.15805, MAM.15806, MAM.15807, MAM.15809, MAM.15810, MAM.15811, MAM.15813, MAM.15950, MAM.15952, MAM.15954, MAM.16495, MAM.16496, MAM.16626, MAM.16627, MAM.16794, MAM.16795, MAM.16797, MAM.16798, MAM.16800, MAM.16801, MAM.16802, MAM.16804, MAM.16805, MAM.16806, MAM.16807, MAM.26315, MAM.26317, MAM.26318, MAM.26319; **ZMB**: 5601 - Behobeho (08 15 S 37 30 E): **SMF**: 62861 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22238, MAM.22239, MAM.22240, MAM.22241, MAM.22242, MAM.22243, MAM.22244, MAM.22245, MAM.22246 - Chimala (0852S 3420E): **LNK**: 11853, 11855, 11856, 11857, 11858, 11861, 11862, 2341, 2342, 2344, 2346; **SMNS**: 5606, 5607, 5608, 5610 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **BMNH**: 1922.7.17.23a, 1922.7.17.23b, CN678; **SMF**: 70450; **ZMB**: 67051, 67089 - Dar-Es-Salaam region: **SMF**: 75873 - Handajega (021500S 340600E): **RBINS**: 15633 - Igalula (0536S 3238E): **HZM**: 25.2973 - Ilolo (09 10 S 33 35 E, 1469 m): **MCZ**: 26426 - Iringa, near (0747S 3542E): **LNK**: 2343 - Isamico (02 30 S 32 54 E, 1135 m): **ROM**: 56468 - Kafukola (08 05 00S 31 57 00 E, 1126 m): **BMNH**: 1956.387; **HZM**: 10.1937, 14.2351, 17.2358, 29.3063, 8.1887 - Kalambo Falls (0835S 3113E): **NHMZ**: 10329 - Kalembo (0835S 3113E): **HZM**: 16.2355 - Kasulu: **BMNH**: 1922.8.25.1 - Kawe (0418S 3303E): **ROM**: 40338 - Kibarra (02 09 S 33 27 E, 1137 m): **ZMA**: MAM.22718, MAM.22719, MAM.22720, MAM.22721 - Kichanjane (0527S 3859E): **HZM**: 1.2892 - Kidugallo (06 47 S 38 12 E, 180

m): **SMNS**: 5980, 5983; **ZFMK**: 1956.0909, 1959.0158 - Kigoma (0452S 2936E): **BMNH**: 1976.283 - Kilosa (06 50 S 36 59 E, 572 m): **BMNH**: 1924.1.1.8, 1924.1.1.9; **HZM**: 23.2779, 24.2830; **ROM**: 35313; **ZFMK**: 1964.0003 - Kisaki (0728S 3743E): **BMNH**: 1921.12.4.2 - Kisarawe (0653S 3903E): **ZFMK**: 1961.0079, 1961.0080 - Kugulwira (0648S 3740E): **NMBE**: 458/63 - Kulumuzi caves (0504S 3906E): **MNHN**: ZM-MO-1911-727 - Kurasini area (06 50 S 39 17 E): **SMF**: 58998, 58999 - Mangola (03 26 S 35 25 E, 1394 m): **SMF**: 69212 - Manyara, Lake (03 35 S 35 50 E): **BMNH**: 1969.20 - Mara (0131S 3349E): **ROM**: 56504, 56505, 56506, 56510, 56511, 56514 - Matete river (0333S 3520E): **SMF**: 11799 - Meru River: **MCZ**: 8879, 8880, 8881, 8882, 8883 - Mgudeni (06 49 S 37 40 E): **RMCA**: a4.036-M-0515 - Mikindani (10 17 S 40 07 E, 17 m): **ZMB**: 54513 - Mikumi National Park (07 15 00 S 37 05 00 E, 876 m): **FMNH**: 198177 - Minziro (01 04 S 31 32 E): **LACM**: 61461, 61462, 61463, 61464 - Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **SMF**: 70461 - Mohorro [=Mohoro plantation] (0808S 3910E): **ZMB**: 54591 - Mongola (03 26 S 35 25 E, 1394 m): **SMF**: 66941 - Moringside (0653S 3740E): **SMF**: 66939 - Morogoro (06 48 S 37 40 E, 560 m): **BMNH**: 1922.7.12.21, 1922.7.17.10, 1922.7.17.12, 1922.7.17.13, 1922.7.17.14, 1924.1.1.10; **HNHM**: 72.14.1, 72.14.2, 72.14.3, 72.14.4, 72.14.5, 72.14.6, 72.14.7; **MCZ**: 22775; **USNM**: 297468; **ZFMK**: 1961.0081, 1961.0082, 1961.0083 - Morogoro region: **SMF**: 19470, 62862 - Morogoro, 20 mi N (0648S 3740E): **CM**: 57665 - Mugeta (0157S 3412E, 1354 m): **ROM**: 56507, 56508, 56509, 56512 - Mwanihana forest (07 50 S 36 50 E, 100 m): **ROM**: 56513 - Mwanza (02 31 00 S 32 54 00 E, 1209 m): **ZMA**: MAM.22247, MAM.22248, MAM.22249, MAM.22250, MAM.22251, MAM.22420, MAM.22421, MAM.22422, MAM.22423, MAM.22424, MAM.22425, MAM.22426, MAM.22427, MAM.22428, MAM.22429, MAM.22430, MAM.22431, MAM.22432, MAM.22433, MAM.22434, MAM.22435, MAM.22436, MAM.22437, MAM.22438, MAM.22439, MAM.22440, MAM.22441, MAM.22442, MAM.22443, MAM.22513, MAM.22514, MAM.22515, MAM.22516, MAM.22517, MAM.22518, MAM.22519, MAM.22520, MAM.22521, MAM.22522 - Mwaya (0842S 3630E): **HZM**: 31.4020; **MCZ**: 26214, 26216, 26219, 26220, 26221, 26222, 26223 - Pangani Falls (0521S 3839E): **ZMB**: 54791 - Pwani region: **SMF**: 81220 - Ruanda farm (1033S 3456E): **HZM**: 33.18744, 34.18745, 35.18746, 38.18749, 39.18750, 40.18751, 41.18752, 42.18753 - Rubondo [island] (0220S 3150E, 350 m): **ROM**: 56533, 56534, 56535 - Rukwa (Game Reserve) (07 10 S 32 00 E): **HZM**: 3.1796 - Rungwa mountains (0908S 3340E): **MCZ**: 26215, 26217, 26218 - Soga (0652S 3857E): **NMBE**: 457/63 - Songea (1042S 3538E): **BMNH**: 1951.381 - Tabora (05 01 00 S 32 48 00 E, 1212 m): **BMNH**: 1922.7.17.17, 1922.7.17.20; **LACM**: 31763, 31764, 31765 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ROM**: 77980, 77981, 77982, 77983, 77984, 77985; **USNM**: 351176, 351178 - Turiani (0610S 3738E, 914 m): **FMNH**: 77487, 77489 - Ugano: **NMW**: B5112 - Ugano plantation (1106S 3455E): **NMW**: 19831 - Ujiji (0454S 2941E): **MCZ**: 26707; **ZMB**: 10099, 10100 - Ukara island (0150S 3303E): **BMNH**: 1964.1334, 1964.1335 - Ukerewe island (0200S 3300E): **MCZ**: 26682, 26683, 26684, 26685, 26686, 26687, 26688, 26689, 26690 - Usambara mountains (044500S 383000E): **MNHN**: ZM-MO-1897-1509 - Ussuwi: **ZMB**: 54413, 54414, 54415, 54416, 54417, 54421 - Utengule (0857S 3550E): **ZMB**: 60915, 60916 - Zanzibar (06 10 S 39 20 E): **MNHN**: ZM-MO-1881-2197; **RBINS**: 187gamma; **ZMB**: 5550 (Paratype *Epomophorus minor*).

Uganda:

Unknown locality: **BMNH**: 1895.3.5.9, 1962.469, 1962.476, 1962.477, 1962.478, 1962.479, 1964.63, 1964.64, 1964.65, 1964.66, 1964.67, 1964.68 - Ajumani (032141N 314835E, 761 m): **FMNH**: 149650 - Amudat (0158N 3457E): **USNM**: 436442 - Amudat (0158N 3457E, 1372 m): **USNM**: 436441 - Arua (030109N 305551E): **ROM**: 39359, 39360, 39361, 39877, 39889, 39890, 39896, 39900 - Budongo Forest (014416N 313322E, 4000 ft): **LACM**: 51458, 51459 - Budongo Forest (0146N 3133E): **ROM**: 46475 - Budongo Forest Royal mile Forest (0142N 3132E): **FMNH**: 164954 - Buhivu (0108N 3433E): **NMW**: 17862 - Bukalasa (0041N 3231E): **BMNH**: 1962.471, 1962.472, 1962.473, 1962.474, 1962.475 - Bwamba Forest (0140N 3130E): **CM**: 57667, 57668; **LACM**: 19532 - Byumba (0056S 2942E, 1540 m): **FMNH**: 160204, 160205, 160206, 160207, 160208 - Dufile (033308N 315655E, 627 m): **FMNH**: 149651, 149652, 149655, 149656, 149657, 149658 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **AMNH**: 184227; **BMNH**: 1964.62; **ZMB**: A5.08 - Goli (024101N 310640E): **ROM**: 39885, 39886, 39887, 39888 - Gonda: **ZMB**: 10022, 10024, 10025, 9966 - Ishasha, 5 km E (0041S 2940E, 1062 m): **FMNH**: 154073 - Kampala (00 18 56 N 32 33 56 E, 1202 m): **USNM**: 16405, 16407, 16410, 16411, 16413, 164905, 164906, 164907, 164909, 164910, 164911, 164912, 164913, 164914, 166598, 166599, 166600, 166601, 166602, 166603, 166635, 166636, 166637 - Katalemwa (002427N 323506E): **ROM**: 40069, 40070, 40071, 40101, 40102, 40103, 40104, 40105, 40106, 40107, 40108, 40109, 40110, 40111, 40112, 40113, 40114, 40115 - Katera: **LACM**: 51460, 51461, 51462, 51463, 51464, 51465 - Makerere Hill (0019S 3235E): **ROM**: 45913 - Masindi (014028N 314254E): **BMNH**: 1966.3599 - Masindi (0141N 3145E): **BMNH**: 1966.3601 - Masindi (0141N 3145E, 3368 m): **FMNH**: 29431 - Mbale (0052N 3424E): **BMNH**: 1965.1059, 1965.1060, 1965.1061 - Mbale (010352N 341046E, 1168 m): **BMNH**: 1965.1062 - Mengo (0017N 3235E): **BMNH**: 1899.8.4.2 - Metu (033913N 314805E): **FMNH**: 149653, 149654 - Mongiro: **LACM**: 31761, 31767, 31768, 51454 - Moroto (0233N 3449E): **BMNH**: 1913.10.18.9, 1966.3602 - Nabumali (0059N 3413E): **BMNH**: 1965.1058, 1965.3427, 1965.486 - Namagunga, Buganda: **ROM**: 40062, 40063 - Namulere: **BMNH**: 1964.61 - near Arua: **ROM**: 39362, 39364, 39365, 39366, 39367, 39368, 39369, 39370, 39878, 39879, 39880, 39881, 39882, 39883 - Ntandi (0048N 3009E): **LACM**: 51446, 51447, 51448, 51453 - Ntorako: **LACM**: 31766 - Nyabirongo (0329N 295711E, 1271 m): **ROM**: 39978, 39979, 39980, 39981, 39983, 39984, 39985, 39986, 39987, 39988, 39995 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 165098, 165099, 165100, 165101 - Nyabyeya Forestry College, 0.5 km SE (ca. 0141N 3132E): **MCZ**: 62438 - Pajule (0300N 3302E): **BMNH**: 1962.468 - Point Alice: **BMNH**: 1901.8.9.91 - Pope Pius X Seminary (00 46 N 34 02 E, 1071 m): **ZMA**: MAM.13352, MAM.13355, MAM.13357, MAM.13359, MAM.13360, MAM.13361, MAM.13362, MAM.13365, MAM.13367, MAM.13369 - Ruwenzori (0025N 3001E): **BMNH**: 1906.12.4.8 - Ruwenzori SE (00 22 N 30 00 E): **BMNH**: 1906.12.4.10, 1906.12.4.7, 1906.12.4.9 - Serere (0131N 3326E): **BMNH**: 1962.470 - Soroti (0140N 3330E): **FMNH**: 73071, 73072, 73073, 73074 - Soweh Island: **ZMB**: 54426 - Taken 20 mi S of East of Center of Albert N (ca. 0140N 3142E): **AMNH**: 32711 - Teso (0131N 3327E): **ROM**: 63404, 63405, 63406, 63407, 63408, 63409 - Toro (0030N 3000E): **MIZT**: 2137.

Zambia:

Abercorn (08 50 S 31 23 E, 1656 m): **HZM**: 1.1444, 26.3052, 27.3053, 4.1797; **KM**: 9288, 9619 - Chadiza (14.15S 32.75E): **KM**: 9622 - Chipata (1337S 3239E): **KM**: 1567 - Fort Jameson (1337S 3239E): **KM**: 9621 - Fort Jameson (1338S 3239E): **NHMZ**: 20050, 20235, 20314 - Jumbe (1317S 3205E): **NHMZ**: 22799, 22801, 22802, 22804, 22805 - Kasama (1012S 3111E): **NHMZ**: 20072 - Kasama, E (10.33S 31.97E): **KM**: 9623 - Kituta Bay, LakeTanganyika (08.5S 30.5E): **KM**: 9618 - Luakela River (113600S 243100E): **AMNH**: 89164 - Mfuwe Game Camp (1305S 3147E): **BMNH**: 1966.5408, 1966.5409, 1966.5410, 1966.5411 - Mporokoso (0922S 3006E): **KM**: 9289, 9291 - Mwanya (1243S 3215E): **BMNH**: 1965.365 - Nsefu Game Camp (1252S 3152E): **NHMZ**: 20259, 20260.

Zimbabwe:

Unknown locality: **MNHN**: ZM-MO-1990-140, ZM-MO-1990-142, ZM-MO-1990-143, ZM-MO-1990-144 - Angwa River: **MNHN**: ZM-MO-1983-1373 - Kudzwe River, near (16 47 S 32 31 E): **MNHN**: ZM-MO-1990-145, ZM-MO-1990-146, ZM-MO-1990-150.

Epomophorus minimus Claessen & De Vree, 1991

Congo (Democratic Republic of the):

Kitombongo (08 53 56 S 26 23 25 E, 608 m): **MNHN**: ZM-2011-783, ZM-2011-784, ZM-2011-785, ZM-2011-786 - Luena (09 26 11 S 25 47 18 E): **MNHN**: ZM-2011-787.

Ethiopia:

Unknown locality: **SMNS**: 36066, 36071, 36072, 36080 - Abaya, lake, West bank (0500N 3700E): **BMNH**: 1971.2418 - Abiata, Lake, E coast (07 34 N 38 39 E): **USNM**: 497521, 497523, 497524, 497525, 497526, 497527 - Abore, lake (0440N 3645E): **SMNS**: 29895 - Afdem (09 28 N 41 00 E, 1056 m): **SMF**: 49573, 49574, 49575 - Bahadu (10 11 35 N 40 37 08 E): **BMNH**: 1971.2428; **SMF**: 44232 (Paratype *Epomophorus minimus*), 44233 (Paratype *Epomophorus minimus*), 44234 (Paratype *Epomophorus minimus*), 44235 (Paratype *Epomophorus minimus*), 44236 (Paratype *Epomophorus minimus*), 44237 (Paratype *Epomophorus minimus*), 44238 (Holotype *Epomophorus minimus*), 44239 (Paratype *Epomophorus minimus*), 44240 (Paratype *Epomophorus minimus*), 44241, 44242 (Paratype *Epomophorus minimus*), 44243 (Paratype *Epomophorus minimus*), 44244, 44245 (Paratype *Epomophorus minimus*), 44246 (Paratype *Epomophorus minimus*), 44247 (Paratype *Epomophorus minimus*), 44248 (Paratype *Epomophorus minimus*), 44250 (Paratype *Epomophorus minimus*), 44251, 44252 (Paratype *Epomophorus minimus*), 44253 (Paratype *Epomophorus minimus*); **USNM**: 497529, 497531, 497532, 497535, 497536, 497537, 497542, 497543, 497545, 497546, 497547, 497548, 497550, 497576, 497578, 497579, 497583, 497585, 497586, 497587 - Errer valley (0905N 4217E): **OSU**: 5515, 5517, 5524, 5528 - Gowane (1010N 4039E): **SMNS**: 36073, 36074, 36075, 36076, 36077, 36078 - Harar (0918N 4208E): **NMW**: 15204 - Jarra (0730N 4037E): **ROM**: 71811, 71812, 71813, 71816, 71820, 71821, 71823, 71832, 71842, 71843, 71844, 71848, 71849, 71852, 71853, 71856, 71858, 71859, 71862, 71867, 71869, 71873, 71876, 71877, 71878, 71880, 71882, 71883, 71884, 71885, 71894, 71895, 71899, 71911 - Koka (08 26 N 39 02 E, 1700 m): **CM**: 52447, 52449, 52450, 52451, 52452, 52453, 52627; **SMF**: 44226, 44227, 44230, 44231, 49572; **SMNS**: 36067; **USNM**: 462697, 462699, 462703, 497551, 497554, 497555, 497556, 497557, 497561, 497562, 497563, 497564, 497567, 497569, 497570, 497571, 497572, 497573, 497575 - Let Marafi (= Let Marafia) (093800N 394500E, 2467 m): **MNHN**: ZM-MO-1885-189 - Medague (12 03 29 N 039 02 41 E): **EBD**: MAM 25810 - Melka Sadi (0915N 4010E): **ROM**: 72052 - Omar limestone cave, S of (0654N 4048E): **BMNH**: 1972.207 - Oromiya state: **SMF**: 44228, 44229, 44257 - Poi, 2 mi N (0450N 3550E): **USNM**: 548508 - Sidon (0545N 3950E): **BMNH**: 1976.794, 1976.799.

Kenya:

Alamer (0138N 3546E): **ROM**: 40195, 40256 - Guaso Nyiro (0035N 3732E): **BMNH**: 1913.10.18.10 - Katilo: **BMNH**: 1979.937, 1979.942 - Kongelai (0128N 3502E, 1372 m): **FMNH**: 152290 - Koran Badas (0121S 4029E): **ROM**: 36223, 36224 - Lake Magadi, near (ca. 0152S 3617E): **USNM**: 308738, 308739, 308740, 308741 - Magadi (0153S 3618E): **ROM**: 71100, 71101, 71102; **WNMU**: 3064 - Magadi (0153S 3618E, 610 m): **FMNH**: 152289 - Masabubu (0112S 4001E): **AMNH**: 187268 - Nakuchett (0146N 3507E): **USNM**: 436487 - Oleibortoto river (0150S 3600E): **BMNH**: 1975.2407 - Sigor (01 29 00 N 35 28 00 E, 750 m): **CM**: 102024, 102025; **ROM**: 36219, 36220, 40250, 40251, 40257 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152291, 152292, 152293, 152294; **WNMU**: 3324, 3349 - Wei Wei River (ca. 01 30 00 N 35 30 00 E): **BMNH**: 1975.2405, 1975.2406, 1975.2815, 1975.2822, 1975.2825, 1975.2827, 1975.2883; **CM**: 102032, 102033, 102034, 102035, 102040, 102041, 102042, 102043; **ROM**: 38262, 38263, 40200.

Somalia:

Afgoi (0207N 4502E): **MZUF**: 2074, 2075, 3037 - Bulo Burti (0351N 4534E): **CM**: 85120, 85122, 85124, 85125, 85126, 85603, 85608, 85609, 85610, 85613, 85615, 85622, 85623, 85624, 85625, 85626, 85627, 85629, 85631, 85632, 85634, 85636, 85637, 85638, 85640 - Dowa: **BMNH**: 1972.4151 - Genale (0148N 4442E): **MZUF**: 2041, 2044, 2079, 2082 - Giohar (0157N 4450E): **MZUF**: 5457, 5517, 5714 - Libsoma farm (02 05 N 44 58 E): **CM**: 85108, 85109, 85110, 85111, 85114, 85115, 85116, 85118, 85599, 85600, 85601, 85602 - Snai Sugar Plantation (02 46 N 45 31 E): **CM**: 85127, 85128, 85659, 85661, 85663, 85666, 85667, 85673, 85675, 85677, 85678, 85679, 85680, 85681, 85687, 85689, 85693, 85694, 85696, 85697, 85698, 85699, 85700, 85706, 85707, 85708, 85714, 85715, 85716, 85720, 85722, 85724, 85726, 85727, 85732, 85734, 85736, 85738, 85740, 85744, 85745, 85748, 85749, 85750, 85754, 85755, 85756, 85760, 85761, 85762, 85763, 85764, 85765, 85766, 85804, 85808 - Somalia: **MZUF**: 9948 - Villabruzzi [=Villa del dottore Abruzzi] (0248N 4330E): **MZUF**: 2733, 2734.

Tanzania:

Natron, W side lake (0225S 3600E): **BMNH**: 1975.2403, 1975.2404.

Uganda:

Amudat (0158N 3457E): **USNM**: 436488, 436489.

Epomophorus minor Dobson, 1880

Congo (Democratic Republic of the):

Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V720 - Albertville (0556S 2912E, 763 m): **RBINS**: 9065, 9066 - Bunyenzi (01 10 00 S 29 27 00 E, 1225 m): **INPBC**: W1515 - Congo da Lemba (05 42 00 S 13 04 00 E): **RMCA**: 408a - Gandajika (06 45 S 23 57 E, 806 m): **RBINS**: 14599 - Kakonda (05 50 00 S 28 42 00 E, 800 m): **AMNH**: 118866, 118867 - Moba (070300S 294700E, 763 m): **RMCA**: 26271, 26272 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **RBINS**: 4788.

Ethiopia:

Unknown locality: **BMNH**: 1971.2419_1, 1971.2419_2, 1971.2419_3, 1971.2419_4, 1971.2419_5, 1971.2419_6, 1971.2419_7, 1971.2419_8, 1976.790_01, 1976.790_02, 1976.790_03, 1976.790_04, 1976.790_05, 1976.790_06, 1976.790_07, 1976.790_08, 1976.790_09, 1976.790_10, 1976.790_11, 1976.790_12 - Abiata, Lake, E coast (07 34 N 38 39 E): **BMNH**: 1971.2420, 1971.2421, 1971.2422, 1971.2425 - Abore (0440N 3645E): **SMNS**: 29896 - Awash: **BMNH**: 1939.1345 - Bahadu (10 11 35 N 40 37 08 E): **BMNH**: 1971.2427, 1971.2427_1, 1971.2427_2; **ZMA**: MAM.17344 - Harre river (06 03 N 37 38 E): **SMF**: 47862 - Jarra (0730N 4037E, 2025 m): **ROM**: 71815, 71822, 71837, 71838, 71839, 71841, 71846, 71850, 71857, 71868, 71886, 71898, 71900 - Koka (08 26 N 39 02 E, 1700 m): **CM**: 74196, 74198, 74199, 74200, 74207, 74212, 74219, 74220 - Melka Were (0919N 4007E, 810 m): **ROM**: 71990, 72046 - Shoa (09 00 N 39 00 E, 1981 m): **BMNH**: 1909.1.4.6.

Kenya:

Unknown locality: **BMNH**: 1975.2813_1, 1975.2813_2 - Baringo, lake (00 38 00 N 36 05 00 E): **RMCA**: 5126, 5127 - Elgon Forest (0058N 3440E, 1951 m): **ROM**: 37248, 37254 - Guaso Nyiro River: **LACM**: 51430, 51432, 51433, 51434, 51437, 51438, 51439, 51440 - Isiolo (00 21 00 N 37 35 00 E, 1145 m): **LACM**: 31769 - Kanyangaren (01 47 00 N 35 08 00 E, 607-900 m): **ZMA**: MAM.19834, MAM.19835 - Kerio Valley (004500N 353500E): **LACM**: 31752, 31754 - Kinna (001900N 381200E): **LACM**: 45640, 45641, 45642, 45643, 45644 - Kinna (0019N 3812E, 457 m): **ROM**: 71078, 71079, 71080, 71081, 71082, 71083, 71084, 71085, 71090, 71091 - Kongelai (0128N 3502E, 1350 m): **ROM**: 38306, 40198 - Kongelai Escarpment, Tambala Falls (2134m): **ROM**: 40199 - Lake Magadi, near (ca. 0152S 3617E): **USNM**: 308737 - Magadi, near (015400S 361700E, 2000 ft): **CAS**: 11906, 11907 - Mitunbur (012100N 350300E, 1219 m): **ROM**: 38252 - Morok River (002028N 353756E, 1372 m): **ROM**: 75418, 75419, 75423, 75431, 75432, 75433, 75434, 75435 - Mount Nyiro: **LACM**: 51318 - Mount Nyiru (014400N 360900E): **ROM**: 73384, 73385, 73388, 73389, 73390, 73391, 73392, 73393 - NE base along the Wei Wei River: **LACM**: 36477, 36478, 36479, 36480, 36481, 36482, 36483, 36484, 36485, 36486, 36487, 36488, 36489, 36490, 36491, 36492, 36493, 36494, 36495, 36496, 36497, 36498, 36499, 36500, 36501 - Ng'enyi (02 10 N 36 48 E): **KU**: 151334 - Nguruman Escarpment (0145S 3602E, 610 m): **ROM**: 71348, 71349, 71350, 71351, 71352, 71353, 71354, 71355, 71356, 71357, 71358, 71359, 71360, 71361, 71392, 71393 - Oleibortoto river (0150S 3600E): **BMNH**: 1975.2407_1, 1975.2407_2, 1975.2407_3 - Poi, 2 mi N (0045N 3550E, 1524 m): **USNM**: 548507, 548528, 548529, 548530 - River Olebortoto: **BMNH**: 1975.2408, 1975.2409 - Sebaki river (03 09 S 38 00 E): **RMCA**: 2095b - Sigor (01 29 00 N 35 28 00 E, 750 m): **CM**: 102026, 102027; **LACM**: 51431, 51435; **ROM**: 36218, 36221, 36222, 38264, 38265, 38340, 40252, 40253, 40254, 40255, 40285, 40286 - Solai Valley (0003N 3609E, 1950 m): **ROM**: 66316, 66317, 66318, 66341, 66343 - Suam River, Korau (0306N 3606E, 609 m): **ROM**: 66049 - Suam River, Korau (0306N 3606E, 610 m): **ROM**: 66051, 66052, 66053 - Suam River, Korau (0306N 3606E, 914 m): **ROM**: 66050 - Turkwell Gorge (0154N 3522E): **ROM**: 73312 - Turkwell Gorge (0154N 3522E, 930 m): **ROM**: 65507, 65508 - Wei Wei River (ca. 01 30 00 N 35 30 00 E): **BMNH**: 1975.2815_01, 1975.2815_02, 1975.2815_03, 1975.2815_04, 1975.2815_05, 1975.2815_06, 1975.2815_07, 1975.2815_08, 1975.2815_09, 1975.2815_10, 1975.2815_11, 1975.2815_12, 1975.2815_13, 1975.2815_14, 1975.2815_15, 1975.2815_16, 1975.2815_17, 1975.2815_18, 1975.2815_19, 1975.2815_20.

Malawi:

Unknown locality: **BMNH**: 1987.1017, 1987.1020; **WAM**: M41572, M41573, M52557, M52621 - Balaka district (ca. 15 00 S 35 00 E): **SMF**: 92165 - Cape Maclear (14 01 00 S 34 51 00 E, 562 m): **CM**: 409758, 409759, 409760, 409761, 409762, 409763, 409764 - Chintheche (11 05 00 S 34 10 00 E, 482 m): **RMCA**: 95.003-M-0003 - Chinunka, 1.6 km SE (0939S 3323E, 1210 m): **FMNH**: 196611, 196612, 196613 - Chitipa Township (09 43 00 S 33 16 00 E, 1242 m): **WAM**: M52518, M52519, M52520, M52521, M52522 - Dzalanyama Forest Reserve (1418S 3329E): **FMNH**: 192057 - Ibanda (09 43 32 S 33 24 27 E): **WAM**: M52535, M52536, M52537, M52538, M52539 - Jailosi Nyondo Banana Plantation (09 35 00 S 33 14 00 E): **WAM**: M52568, M52569, M52570, M52571, M52574 - Kabango village banana plantation (14 46 00 S 34 38 00 E): **WAM**: M41293, M41294, M41295 - Kafikisira village (09 56 00 S 33 53 00 E): **WAM**: M41387, M52553, M52567 - Kamisa Banana Plantation (09 42 00 S 33 17 00 E): **WAM**: M52503, M52504, M52505, M52506, M52507, M52508, M52510, M52573 - Luzi banana plantation (11 49 00 S 34 02 00 E): **WAM**: M52534, M52605, M52606, M52608, M52609, M52610, M52611, M52612, M52613, M52634 - Mbirima banana plantation (09 31 00 S 33 10 00 E): **WAM**: M52555, M52556, M52558, M52559, M52560, M52561, M52562, M52563, M52566 - Mwakalukwa banana plantation (09 40 00 S 33 35 00 E): **WAM**: M52584, M52585, M52586, M52587, M52588 - Mwamyesya banana plantation (09 56 00 S 33 48 00 E): **WAM**: M41438, M41439, M41440, M52434, M52435, M52533 - Mwandwanga banana plantation (09 55 00 S 33 52 00 E): **WAM**: M52398, M52399, M52400, M52401, M52402, M52403, M52404 - Mwenekapoka banana plantation (09 46 00 S 33 29 00 E): **WAM**: M52528, M52529, M52530, M52531, M52532 - Mwenyama village (14 29 00 S 35 16 00 E): **WAM**: M41193, M41240, M41241, M41242, M41244, M41245, M41246, M52607 - Mzokoto banana plantation (11 51 00 S 34 00 00 E): **WAM**: M52614, M52615, M52616, M52617, M52618, M52619, M52620, M52622 - Ntcheu (14 49 00 S 34 38 00 E, 1081 m): **WAM**: M41307, M41308 - Rumphi (11 01 10 S 33 51 17 E, 1276 m): **WAM**: M52633 - Tinyade Estate (1552S 3535E, 815 m): **FMNH**: 192228.

Mozambique:

Meponda (13 24 05 S 34 52 14 E, 590 m): **DNSM**: 8643.

Nigeria:

Ibadan University College (07 23 16 N 03 53 47 E, 237 m): **AMNH**: 204296.

Somalia:

Dowa (100200N 441400E): **BMNH**: 1972.4151_1, 1972.4151_2 - Libsoma Farm (02 05 N 44 58 E): **BRTC**: 41881.

Sudan:

Jebel Maba: **BMNH**: 1908.4.17.2, 1908.4.17.3.

Tanzania:

Unknown locality: **BMNH**: 1976.282; **SMF**: 85455, 85456 - Arusha (03 22 00 S 36 41 00 E, 1254 m): **ROM**: 69201 - Arusha National Park (031500S 364500E): **AMNH**: 268458, 268459, 268460 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **BMNH**: 1890.6.8.12, 1890.6.8.13 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **BMNH**: 1922.717.22, 1922.717.23; **ZMA**: MAM.22236, MAM.22237 - Dar es Salaam University (06 48 00 S 39 17 00 E): **FMNH**: 164081, 164082, 164083 - Dar-Es-Salaam region: **SMF**: 62864, 70451, 75871, 75872 - Kawe (041800S 330300E): **LACM**: 31759, 40338 - Kilosa (06 50 S 36 59 E, 572 m): **FMNH**: 29430; **HZM**: 24.2779 - Kilossa (06 50 00 S 36 59 00 E, 572 m): **AMNH**: 55542, 55543 - Kissaki (072800S 373600E): **BMNH**: 1921.12.4.1 - Lake Natron: **BMNH**: 1975.2402 - Lake Natron (0225S 3600E): **BMNH**: 1975.2402_1, 1975.2402_2, 1975.2402_3 - Lindi region: **SMF**: 81219 - Mbeya (08 54 S 33 27 E): **BMNH**: 1968.73 - Morogoro (06 48 S 37 40 E, 560 m): **BMNH**: 1902.4.1.1.10, 1922.7.17.11, 1922.7.17.15, 1922.7.17.21 - Morogoro region: **SMF**: 66940, 89680 - Tanga (05 04 00 S 39 06 00 E, 0 m): **LACM**: 31753, 31755, 31756, 31757; **ROM**: 68474, 77992, 77993, 77994, 77995, 77996, 77997, 77998, 77999, 78000; **USNM**: 351180 - Tanga region: **SMF**: 79655, 79656 - Turiani (0610S 3738E, 914 m): **FMNH**: 77488 - Zanzibar (06 10 S 39 20 E): **BMNH**: 1879.9.12.4 (Holotype *Epomophorus minor*); **RBINS**: 1878; **USNM**: 14536.

Zambia:

Escape Farm: **NMZL**: 2897 - Fort Jameson District (133000S 321000E): **AMNH**: 207411 - Jumbe (131700S 320500E, 710 m): **AMNH**: 207412 - Lukusuzi-NP (1258S 3232E): **NMZL**: 2895, 2896 - Nsadzu: **BMNH**: 1937.12.8.2 - Sumbu: **NMZL**: 2952, 2953, 2954.

Epomophorus wahlbergi (Sundevall, 1846)

"Africa":

Unknown locality: **BMNH**: 1849.8.16.6; **RMCA**: 20497; **TM**: 31753 - Isavo swamp: **BMNH**: 1916.1.15.2.

Angola:

Unknown locality: **BMNH**: 1866.1.20.6, 1963.1014, 1963.1016, 1963.1018, 1963.1020, 1963.1021, 1963.1022; **USNM**: 123306 - Benguela (12 34 42 S 13 24 26 E, 39 m): **ZMB**: 4240, 4240a - Cabuta (09.88S 14.88E): **IICA**: 6574 - Calulo, 40 km E (1001S 1520E): **YPM**: MAM 000175 - Campale [= Kapala] (10.63S 17.63E): **IICA**: 1122 - Canzele (08.38S 15.13E): **FMNH**: 81720, 81721, 81722, 81723 - Cassai (1040S 2110E): **HZM**: 15.4236 - Chinchoxo (ca. 0504S 1202E): **ZMB**: 4801, 9974/9975 (Lectotype *Ep[omophorus (Epomophorus)] zenkeri*), 9976, 9977 - Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 85519, 88070, 88075, 88078 - Dando (11.13S 17.38E): **IICA**: 1394, 159024 - Dondo (09 40 S 14 30 E, 134 m): **BMNH**: 1909.10.1.6, 1909.10.1.7, 1909.10.1.8; **FMNH**: 84051 - Dundo (0722S 2050E, 726m): **MDL**: 11175, 11247, 3302, 5006, 5035, 5038, 5038a, 5044, 5045, 5046, 5048, 5049, 5050, 5051, 5052, 5053, 5054, 5055, 5056, 5057, 5058, 5061, 5063, 5064, 5067, 5074, 5179, 5182a, 5182b, 5184a, 5184b, 5196, 5197, 5198a, 5198b, 5198c, 5213, 5213bis, 5221, 5230, 5263a, 5263b, 5264, 5538, 5588, 5799, 5837, 5873a, 5873b - Dundo (0724S 2047E, 726m): **FMNH**: 66436, 66437, 66438, 66439, 66440, 66441, 66442, 66443, 66444, 66445, 66446, 66447, 66448, 93299, 93300, 93301 - Dundo Lundo (0722S 2050E): **BMNH**: 1963.1015, 1963.1017, 1963.1019, 1963.1023, 1967.1240 - Duque de Bragança (0855S 1610E): **BMNH**: 1904.4.9.6 - Duque de Braganca, 25 km N, 15 km E (0852S 1605E): **FMNH**: 81724, 81725 - Huila (15.13S 13.63E): **FMNH**: 84048, 84049, 84050 - Luhanda (0913S 1705E): **FMNH**: 81606, 81607, 81608 - Malange [= Malanje] (ca. 1115S 1701E): **ZMB**: 9969, 9970, 9971 - Massano de Amorim (12.38S 15.13E): **IICA**: 8484 - Missongue, near Cuanza R. (10.38S 16.38E): **IICA**: 6825 - Moco, mount (1230S 1510E): **FMNH**: 83589 - Mulundo (11.38S 17.63E): **IICA**: 1157 - Mussende (10.63S 16.13E): **IICA**: 6711 - Nóqui (055230S 132556E): **FMNH**: 153495, 153496, 153497, 81712, 81713, 81714, 81715, 81716, 81717, 81718, 81719 - Quimbango (10.88S 17.63E): **IICA**: 1312 - Sá da Bandeira (145500S 133000E, 1718 m): **IICA**: 2038.

Burundi:

Giserama Colline (025027S 292507E, 2100 m): **FMNH**: 148972 - Kigamba (03 04 S 30 31 E, 1532 m): **RBINS**: 19928 - Mabaye (=Mabayi) (02 42 30 S 29 14 35 E, 1436 m): **MHNG**: 1499.090, 1499.091, 1499.092, 1499.093 - Mumushwizi Valley (0355S 2935E, 1880 m): **FMNH**: 155942.

Cameroon:

Batanga: **USNM**: 114688.

Congo:

Unknown locality: **ZMA**: MAM.26282 - Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15541, MAM.15542, MAM.15543, MAM.15544, MAM.15545, MAM.15546, MAM.15547, MAM.15548, MAM.15549, MAM.15550, MAM.15666 - Pointe-Noire (044741S 115046E, 1 m): **AMNH**: 120266.

Congo (Democratic Republic of the):

Unknown locality: **RBINS**: 6939 - Banana (060100S 122400E, 0 m): **MNHN**: ZM-MO-1911-1565, ZM-MO-1911-1565A, ZM-MO-1911-1565B, ZM-MO-1911-1565C; **RMCA**: 13303, 13304, 6539, 6540, 6541; **SMF**: 2510 - Banana or Netonna (ca. 05 58 S 12 27 E): **SMF**: 2511, 2512 - Bas Congo (former) province (ca. 050000S 150000E): **RMCA**: 73 - Biakabomba (06 27 00 S 21 02 00 E, 608 m): **RMCA**: 79.032-M-0019 - Bokungu (004100S 221900E, 402 m): **RMCA**: 18844b - Boma (0551S 1303E, 61 m): **RMCA**: 12125a, 12125b, 12125c, 12125d, 12127j, 12127k, 12127l, 12127m, 12251, 12252, 12253, 12254, 12255, 12256, 13705, 13706, 13948, 13952, 13953, 13955, 13956, 13957, 13958, 14182, 16204, 16205, 16261, 20177, 20178, 2484a, 2484b, 6532, 6538 - Butembo (0009N 2917E, 1381 m): **RMCA**: 38242 - Byonga (03 21 00 S 28 08 00 E): **RMCA**: 33285 - Cape Lopez (03 07 00 S 28 43 00 E): **AMNH**: 48662 - Congo da Lemba (05 42 00 S 13 04 00 E): **RMCA**: 409 - Gandajika (06 45 S 23 57 E, 806 m): **RBINS**: 13108 - Idjwi, Island (02 09 00 S 29 04 00 E, 1600 m): **RMCA**: 33625, 33626, 36216, 36217, 36218 - Kabanga (06 40 12 S 23 40 12 E): **RBINS**: 13329 - Kamueshi (06 12 00 S 21 26 00 E, 608 m): **RMCA**: 79.032-M-0018 - Kananga (05 53 45 S 22 25 04 E, 608 m): **NMBA**: 3800, 7695 - Kanzenze mission (103100S 251200E, 1157 m): **RBINS**: 13280, 13281, 13282 - Kasebere (01 49 00 S 28 45 00 E): **RMCA**: 36244 - Lubondai-Tshimbulu (063400S 223900E, 794 m): **RMCA**: 22819, 22820 - Lubumbashi (11 40 00 S 27 28 00 E, 1208 m): **RMCA**: 16209 - Luluabourg (055345S 222504E, 608 m): **AMNH**: 206843, 207736, 207737, 207738; **MNHN**: ZM-MO-1960-3859, ZM-MO-1960-3860; **RMCA**: 31550, 31554, 32378, 32387, 32650, 32651, 32661, 32662, 33407, 33408, 33409, 33410, 33644, 34405a, 35609, 7537, 7538, 7539, 7540 - Lusanga Mwanza (05 50 00 S 13 03 00 E): **RMCA**: 13946, 13949, 13950 - Maboya (00 19 00 N 29 20 00 E, 1374 m): **RMCA**: 38571 - Moanda (05 56 00 S 12 21 00 E, 0 m): **RMCA**: 6533, 6534, 6535, 6536, 6537, 7290 - Mulongo (07 50 S 27 00 E, 578 m): **RMCA**: 10515, 10517 - Mungamba (05 28 00 S 18 35 00 E, 586 m): **RMCA**: 83.025-M-0005 - Muvule, cave 4 km from (ca. 09 11 S 27 13 E): **MNHN**: ZM-2011-799, ZM-2011-800, ZM-2011-801, ZM-2011-802, ZM-2011-803 - Ndemba (05 03 00 S 22 16 00 E): **RMCA**: 77.038-M-0002, 77.038-M-0003 - Ndomo (00 19 00 N 29 20 00 E): **RMCA**: 38567 - Ngula (04 45 00 S 18 11 00 E, 549 m): **RMCA**: 77.021-M-0005, 77.021-M-0006, 77.021-M-0007, 77.021-M-0008 - Nyabiondo (01 15 S 28 45 E, 1297 m): **ZMA**: MAM.24349, MAM.24350, MAM.24351 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V1346, V1636.2 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86251, 86252, 86255, 86256, 86258, 86259 - Tshibashi (river) (05 45 00 S 22 08 00 E): **RMCA**: 76.015-M-0002, 76.015-M-0003, 76.015-M-0004, 76.015-M-0005, 76.015-M-0006 - Tshikapa (06 25 00 S 20 48 00 E, 485 m): **RMCA**: 16231 - Washiha Forest (02 00 S 29 04 E, 1500 m): **FMNH**: 171630, 171717.

Equatorial Guinea:

Ekododo (ca. 0056N 0958E): **ZMB**: 67088 - Obamicu (0115N 1102E, 539 m): **YPM**: MAM 014563.

Ethiopia:

Abyssinia: **BMNH**: 1849.8.16.5; **NMW**: 18301.

Gabon:

Unknown locality: **BMNH**: 1880.6.7.4; **ZMA**: MAM.23573, MAM.24417 - Anengué, lake (01 08 29 S 09 29 29 E): **MNHN**: ZM-MO-1950-877 - Anguanamo (ca. 015508S 092721E): **USNM**: 220871, 220917 - Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-1950-877 B - Cape Lopez (00 37 S 08 43 E): **USNM**: 220872, 220873, 220874, 220875, 220876, 220877, 220878, 220879, 220880, 220881, 220882, 220883, 220884, 220885, 220886, 220887, 220888, 220889, 220890, 220891, 220892, 220918, 220919, 220920, 220921, 220922, 220923, 220924, 220925, 220926, 220927, 220928, 220929, 220930, 220931, 220932, 220933, 220934, 220935, 220936, 220937, 220938, 220939, 220940, 220941, 220942, 220943, 220944, 220945, 220946, 220947, 220948, 220949, 220950, 220951, 220952, 220953, 220954, 220955, 220956, 220957, 220958, 220959, 220960, 220961, 220962, 220963, 220964, 220965, 220966, 220967, 220968, 220969, 220970, 220971, 220972, 220973, 220974, 220975, 220976, 220977, 220978, 220979, 220980, 220981, 220982, 220983, 220984, 220985, 220986, 220987 - Fernan Vaz (013400S 091500E): **FMNH**: 73812

- Franceville (01 38 S 13 35 E, 333 m): **MNHN**: ZM-MO-1884-583 - Omboue (0138S 0920E): **USNM**: 218490, 218950, 218951, 218952, 218953, 218954, 218955, 218956, 218957, 218958, 218959, 218960, 218961, 218962, 218963, 218964, 218965, 218966, 218967, 218968, 218969, 218970, 218971, 218972, 218973, 218974, 218975, 218976, 218977, 218978, 219070, 219071, 219072, 219073, 219074, 219075, 219076, 219077, 219078, 219079, 219080, 219081, 219082, 220869, 220893, 220898 - Port Gentile (0043S 0847E, 1 m): **FMNH**: 73813, 73814, 73815, 73816, 73817.

Ghana:

Accra (05 33 N 00 13 W, 98 m): **ZMB**: 4786.

Kenya:

Unknown locality: **BMNH**: 1865.3.22.1, 1975.2410, 1975.2835; **QM**: JM6273, JM6343; **RMNH**: MAM.25886, MAM.27095, MAM.27096, MAM.27099, MAM.27102, MAM.27105, MAM.27106, MAM.27110, MAM.27112, MAM.27113, MAM.27114, MAM.27117, MAM.27120, MAM.27121, MAM.27243, MAM.27244, MAM.27245, MAM.27249, MAM.27252, MAM.27255, MAM.27256, MAM.32066, MAM.32067, MAM.32068, MAM.32070; **SMF**: 48665 - Arabuko-Sokoke Forest (03 20 S 39 52 E): **LACM**: 45636, 45637, 45638, 45639; **ZMA**: MAM.20844, MAM.20845, MAM.20846, MAM.20847, MAM.20848 - Athi river, 6 mi S (ca. 0259S 3831E): **USNM**: 436386 - Bodhai (015207S 404339E): **LACM**: 42802 - Bura: **LACM**: 19778, 19781, 19782, 19944, 19945, 19946, 19947, 19948, 19949, 19950, 19951, 19952, 19953 - Cherangani Hills (01 15 S 35 27 E): **WAM**: M16574 - Cherangany (0059N 3513E, 1890 m): **FMNH**: 152313 - Coast [former] province: **SMF**: 47646, 47647, 57519, 57520, 57522 - Daren: **LACM**: 19631 - Diani (041619S 393408E): **ROM**: 73567, 73568, 73569, 73570, 73571, 73572, 73573, 73574, 73575, 73576, 73577 - Diani Beach, 10 km S (04 20 S 39 32 E): **SMF**: 57521 - Donyo Sabuk (01 08 S 37 16 E): **ROM**: 63882 - Eastern [former] province: **SMF**: 6029 - Fort Hall (0042S 3740E): **BMNH**: 1904.2.4.1 - Garissa (002725S 393930E): **LACM**: 19535 - Garsen, 6 mi E (ca. 0130S 4000E, 100 ft): **AMNH**: 206675 - Gedeh: **LACM**: 45633, 45634 - Hoey's bridge (00 52 34 N 35 07 13 E, 1822 m): **USNM**: 436405, 436406, 436410, 436411, 436412, 436413, 436414, 436415, 436416 - Ikuywa River Bridge (00 12 00 N 34 54 00 E): **CM**: 97839 - Inyokomi: **RMNH**: MAM.27097 - Kabete (01 16 00 S 36 43 00 E, 1826 m): **MCZ**: 22772 - Kairuni: **LACM**: 45632 - Kakamega (00 17 00 N 34 45 00 E): **HZM**: 9.3080 - Kakamega (0017N 3447E): **CUMV**: 19569, 19570, 19571; **USNM**: 351203 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **LACM**: 19537, 42831; **ROM**: 50457, 50468, 50472, 50478, 50490, 50515, 50516, 50517, 50518, 50521, 50522, 50523, 50547, 65991, 65992, 65999, 77970, 81301; **USNM**: 350807, 350808 - Kakamega forest station (0014N 3452E): **FMNH**: 152317 - Kakamega Forest Station, 1 mi NE (0017N 3447E, 1615 m): **FMNH**: 152315, 152316 - Kakamega, 5 km S, 16 km E (0014N 3454E): **CM**: 102090 - Kalama (01 36 00 S 37 20 00 E): **ROM**: 71427 - Kamuani (0131S 3716E): **LACM**: 36057 - Kamuuani (ca. 0131S 3716E): **CUMV**: 14731 - Kapenguria (011400N 350700E, 2134 m): **ROM**: 40284 - Kapenguria (0115N 3507E, 2134 m): **FMNH**: 152314; **ROM**: 40283 - Karen (01 20 S 36 45 E, 1706-1829 m): **BMNH**: 1975.2836; **FMNH**: 152298, 152299; **ROM**: 81202; **USNM**: 436383, 436384, 436385 - Karura Forest (01 14 S 36 50 E, 1828 m): **KU**: 41116 - Kathekani (0237S 3809E): **CM**: 102067, 102071 - Kenya: **HZM**: 28.8619 - Kiambu (011000S 365000E, 6000 ft): **CAS**: 12196 - Kiambu, 4 mi [=6 km] NW (0110S 3650E): **ROM**: 68104, 68149, 68150 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **AMNH**: 237323; **HZM**: 33.13252; **RMNH**: MAM.27115, MAM.27116, MAM.27118, MAM.27119; **USNM**: 436387, 436391, 436404 - Kiboko (02 11 00 S 37 43 00 E, 945 m): **USNM**: 436388, 436389, 436390, 436392, 436393 - Kiboko Campsite (00 19 03 N 36 54 39 E): **MMU**: PWW2701, PWW2705 - Kibwesi (0225S 3758E, 1000 m): **ZMB**: 53898 - Kibwezi (02 25 00 S 37 58 00 E, 3000 - 4000 ft): **USNM**: 436395, 436396, 436397, 436398, 436399, 436400, 436401, 436402, 436403 - Kichaka Simba (042057S 392133E): **CUMV**: 13767, 13768, 13769, 13770; **LACM**: 40157, 40158, 40159, 40160, 40161, 40162, 40163, 40164, 40165 - Kikambala (03 54 00 S 39 47 00 E, 0 m): **SMF**: 67646 - Kilifi (03 38 00 S 39 51 00 E, 61 m): **WAM**: M16571 - Kilifi (033800S 395100E): **LACM**: 51467, 51473 - Kilifi (0338S 3951E): **CAS**: 12549; **ROM**: 36225; **USNM**: 350815 - Kilifi, 2 mi W (0338S 3951E): **FMNH**: 152304, 152305, 152306, 152307; **WNMU**: 1713 - Kilifi, near (033800S 395100E): **FMNH**: 152302 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **ROM**: 65811, 65812; **USNM**: 436407, 436408, 436409 - Kitale area (0101N 3501E): **ROM**: 65829 - Kitale, 20 mi SW (0045N 3445E, 1830-2134 m): **USNM**: 351201, 351202 - Kitale, 23 km W: **ROM**: 73318, 73319 - Kitale, 7 mi E (0102N 3500E): **USNM**: 350813 - Kitui (0122S 3801E, 3 500 ft): **ZMB**: 5381 - Kiu (0154S 3710E): **RMNH**: MAM.27111; **ROM**: 38369, 38371, 38374, 38375, 38377 - Kiuu (0036S 3709E, 1308 m): **ROM**: 38372, 38373, 38376 - Kongelai (0128N 3502E): **BMNH**: 1975.2413 - Kongelai, 3 mi S (0128N 3501E, 1372 m): **USNM**: 436418 - Konza area (014500S 370700E): **CUMV**: 13686 - Kunumara Conference Center (0352S 3940E): **MVZ**: 174554 - Kwale (04 11 S 39 27 E, 303 m): **ZMA**: MAM.20869, MAM.20870, MAM.20871, MAM.20872, MAM.20873, MAM.20874, MAM.20875, MAM.20876, MAM.20877, MAM.20878, MAM.20879, MAM.20880 - Kyamunyuu (013928S 371821E): **LACM**: 36476 - Kyanguli (004839S 382302E): **LACM**: 36058, 36059 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **ROM**: 66234 - Lake Paradise: **LACM**: 40141, 40142, 40143, 40144, 40145, 40146, 40147, 40148, 40149, 40150, 40151 - Lamu (02 16 42 S 40 54 12 E, 1 m): **ZMA**: MAM.21708 - Langata forest (01 24 S 36 46 E, 1731 m): **ROM**: 36226 - Lion Hill (00 21 S 36 08 E): **ZMA**: MAM.20881 - Luazomela (0029N 3740E): **NRM**: A58 0834 - Lukore (04 13 S 39 25 E): **LACM**: 37881, 37882, 37883, 45629; **ZMA**: MAM.21709 - Lukore area (04 13 S 39 25 E): **CUMV**: 13590, 13593, 21178; **RMNH**: MAM.32065 - Machakos (0131S 3716E): **LACM**: 31743 - Makandara Forest (ca. 04 15 S 39 23 E): **ZMA**: MAM.20855, MAM.20856, MAM.20857, MAM.20858, MAM.20859, MAM.20860, MAM.20861, MAM.20862, MAM.20863 - Makere (012055S 400019E, 80 m): **AMNH**: 206676, 206677, 206678, 206679, 206680, 206681 - Makindu (0217S 3749E, 1070 m): **ROM**: 63803, 63804 - Malindi (031300S 400700E, 0 m): **AMNH**: 187270, 187271, 187272, 187273, 187274, 187275, 187276, 187277, 187278, 187279, 187280, 187281, 187282, 187283, 187284, 187285, 187286, 187287 - Malindi (0314S 4005E): **BMNH**: 1901.5.1.1; **CM**: 39924, 39925; **USNM**: 301519 - Malindi, 30 mi N (0246S 4008E): **BMNH**: 1975.2411 - Mara River: **ROM**: 68434 - Masabubu (011247S 400103E, 93 m): **AMNH**: 187266, 187267, 187269 - Masabubu, 0.5 mi E (ca. 0112S 4001E, 225 ft): **AMNH**: 187264, 187265 - Mbero Rocks: **LACM**: 36774 - Mida: **LACM**: 45635 - Mkanda River (04 24 26 S 39 19 18 E): **LACM**: 37876, 37877, 37878, 37879, 37880 - Moana Marine Station (0418S 3935E): **MCZ**: 59744, 59745, 59746, 59747, 59748, 59749, 59750, 59751, 59752, 59753, 59754, 59755, 59756 - Moane (0418S 3935E): **CM**: 97829, 97830, 97832, 97833, 97835 - Molo (00 15 S 35 44 E, 2438 - 2506 m): **LACM**: 31742 - Mombas [=Mombassa] (0403S 3940E): **ZMB**: 11379, 5081, 5428 (Paralectotype *Ep[omophorus (Epomophorus)] neumanni*), 9967 (Lectotype *Ep[omophorus (Epomophorus)] neumanni*) - Mombasa (04 03 00 S 39 40 00 E, 0 m): **AMNH**: 82524, 82525 - Mombassa (0404S 3940E): **SMF**: 24279 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1920 m): **ROM**: 56280 - Msambweni (04 27 49 S 39 28 19 E): **ZMA**: MAM.23466 - Mtito Andei (0240S 3810E): **USNM**: 436394 - Mukanda river (04 10 S 39 27 E, 152 m): **CUMV**: 13766; **RMNH**: MAM.27100, MAM.27103, MAM.27104, MAM.27108 - Mukanda river, near bridge 2 (ca. 04 10 S 39 27 E): **ZMA**: MAM.21710, MAM.21711 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 76552 - Mukangu Village (00 22 03 N 34 52 11 E): **MMU**: PWW2933, PWW2935 - Muumandu (01 35 S 37 21 E): **RMNH**: MAM.27098, MAM.27246, MAM.27247, MAM.27248, MAM.27250, MAM.27251,

MAM.27253, MAM.27254, MAM.32069 - Mwingi: **LACM**: 40166 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **AMNH**: 82362; **FMNH**: 152295, 152296, 152297, 152300; **LACM**: 19534; **ROM**: 59262, 59263, 59264, 81196; **WAM**: M16572 - Nairobi area (011700S 364900E): **ROM**: 41790, 41795 - Nairobi Area (ca. 01 17 S 36 49 E): **SMF**: 19979, 19980, 19981, 57516, 57517, 57518 - Nairobi province: **USNM**: 350801 - Nairobi province (1707 m): **USNM**: 350803, 350806 - Naivasha, 24 km E (00 44 S 36 39 E): **ROM**: 73382, 73383 - Nakuru, 2 mi S (0018S 3601E): **USNM**: 436417 - Nakuru, 2 mi S (0018S 3601E, 1920 m): **USNM**: 436419 - Namanga (02 33 S 36 48 E, 1359 m): **HZM**: 4.1394, 5.1409 - Namanga (ca. 023303S 364658E): **HZM**: 3.1384 - Namanga (ca. 023303S 364658E, 1359 m): **AMNH**: 184473 - Nambale, 10 mi [= 16 km] N (0036N 3415E): **CAS**: 24663 - Ngaranyiru (001900S 365400E, 2134 m): **ROM**: 71118, 71119, 71120, 71121, 71122 - Ngong (01 22 00 S 36 39 00 E, 1829 m): **ROM**: 91152; **USNM**: 350805 - Ngong Hills (01 24 S 36 38 E): **USNM**: 350802, 350804 - Nguruman Escarpment (0145S 3602E, 610 m): **ROM**: 71367, 71368, 71369, 71370, 71371, 71387, 71388 - Ol Donyo Sapuk, mount (01 08 00 S 37 16 00 E): **FMNH**: 152311, 152312 - Ol Jogi Dam (00 19 29 N 36 56 05 E): **MMU**: PWW2711, PWW2713 - Oleibortoto river (0150S 3600E): **BMNH**: 1975.2414, 1975.2414_1, 1975.2414_2, 1975.2415 - Port Reitz (0403S 3937E): **BMNH**: 1962.35 - Ruaraka (01 14 S 36 53 E, 5300 ft): **SMF**: 48663, 48664, 48666, 48667, 48668 - Sebaki river (03 09 S 38 00 E): **RMCA**: 2095a - Shell BM Camp (0231S 4031E): **ROM**: 71250, 71260 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **RMCA**: 35253, 35254, 35255, 35256, 35257, 35258, 35259, 35260, 35261, 35262; **ROM**: 36698, 41785, 41786, 41788, 41789, 41791, 41792, 41793, 41794, 41796, 41797, 85742 - Shimba Hills Nature Reserve (04 14 S 39 25 E): **CM**: 102046, 97822; **MCZ**: 59866, 59867; **MWSU**: 7493; **RMNH**: MAM.27101, MAM.27107, MAM.27109, MAM.32064; **ROM**: 41787 - Shimba Hills Settlement (04 21 46 S 39 24 56 E): **LACM**: 37870, 37871, 37873, 37874, 37875 - Shimoni (04 38 50 S 39 23 00 E, 0 m): **FMNH**: 152303; **USNM**: 350814 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **FMNH**: 152308, 152309, 152310; **WNMU**: 1310, 1352 - Solai Valley (0003N 3609E, 1950 m): **ROM**: 66319, 66342 - Songhor (0003S 3514E): **HZM**: 8.3061 - Taita (0320S 3820E): **SMNS**: 2890; **USNM**: 182653 - Takaungu (034100S 395100E): **LACM**: 51468, 51469, 51470, 51471, 51472 - Takaungu (0341S 3951E): **ROM**: 36227; **ZMB**: 54364, 54366, 54367 (Paralectotype *Ep[omophorus (Epomophorus)] neumanni*) - Takaungu (0341S 3951E, 15 m): **FMNH**: 152301 - Talek Gate (01 26 S 35 04 E): **CM**: 102072, 102073, 102074, 102077, 102078, 102079, 102080, 102083, 102084, 102085 - Talek Gate, 4.3 km NW (01 23 S 34 53 E, 1530 m): **FMNH**: 123793 - Talek Gate, 4.3 km NW (01 23 S 34 53 E, 1540 m): **FMNH**: 123792, 123794, 123795, 123796 - Talek Gate, near (ca. 01 26 S 35 04 E): **ZMA**: MAM.21752 - Tana River (023149S 403126E, 600 ft): **AMNH**: 206671, 206672, 206673, 206674 - Taveta (0323S 3740E): **MCZ**: 21753, 21754 - Taveta Sisal Estate (03 24 S 37 41 E, 910 m): **CM**: 102063, 102065 - Taveta, 3 km E (03 23 S 37 42 E, 760 m): **CM**: 102049 - Thika road (ca. 01 13 S 36 53 E): **AMNH**: 237321, 237322 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 59265, 59266 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **ZMA**: MAM.20864, MAM.20865, MAM.20866, MAM.20867, MAM.20868 - Tiwi, 1 km N (ca. 04 14 S 39 34 E): **MCZ**: 59743, 59757, 59799 - Tiwi, NW of (ca. 04 14 S 39 34 E): **CM**: 97825, 97826 - Undefined locality (00 10 00 N 35 00 00 E): **WAM**: M21218 - University of Nairobi (011700S 364900E): **MVZ**: 137005, 137006, 137007, 137008, 137009, 137010, 137011, 137012, 137013, 137014, 137015, 137016, 137017, 137018, 137019, 137020, 137021, 137022, 137023, 137024, 137025, 137026, 137027, 137028, 137029, 137030, 137031, 137032, 137033, 137034, 137035, 137036, 137037, 137038, 137039, 137040, 137041 - Ushindo [=Ushingo] (0247S 3940E): **ZMB**: 67056 - Utwani Forest Reserve (022200S 403000E, 100 ft): **AMNH**: 206682, 206683, 206684 - Vasco de Gama Point (0317S 4007E): **HZM**: 6.2489 - Waa (04 10 12 S 39 36 10 E): **LACM**: 31745, 31772; **ROM**: 79672 - Watamu (03 21 S 40 01 E, 0 m): **ROM**: 79673; **ZMA**: MAM.20824, MAM.20825, MAM.20826, MAM.20827, MAM.20828, MAM.20829, MAM.20830, MAM.20831, MAM.20832, MAM.20833, MAM.20834, MAM.20835, MAM.20836, MAM.20837 - Westwood Park Hotel (01 24 00 S 36 38 00 E): **ZMA**: MAM.21700, MAM.21701, MAM.21702, MAM.21703, MAM.21704, MAM.21705, MAM.21706, MAM.21707 - Witu Forest (022134S 403127E): **LACM**: 42800, 42801, 42803, 42804, 42805, 42806 - Yala river (00 06 N 34 32 E): **NRM**: A58 0897.

Malawi:

Unknown locality: **BMNH**: 1987.1022, 1987.1023, 1987.1024, 1987.1025, 1987.1026, 1987.1027; **WAM**: M41632 - Blantyre and Zomba, between (15 31 S 35 12 E): **ZMA**: MAM.26136 - Chinunka, 1.6 km SE (0939S 3323E, 1210 m): **FMNH**: 196610 - Chipeni Farm (15 24 S 35 25 E, 750m): **ZMA**: MAM.26129, MAM.26130 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.12.17.2; **KU**: 79277 - Chongoni Forest Reserve (141807S 341322E): **FMNH**: 192058, 192059 - Golden Sands Camp (13 58 05 S 34 49 15 E, 480m): **ZMA**: MAM.26135 - Likabula mission (15 57 S 35 24 E): **TM**: 41784 - Likabula river (16 01 00 S 34 47 00 E, 1200 m): **HZM**: 35.15142; **MVZ**: 220872 - Lumenda (16 18 00 S 34 40 00 E): **WAM**: M25715 - Luzi banana plantation (11 49 00 S 34 02 00 E): **WAM**: M41606 - MacLear, cape (1358S 3449E): **CM**: 40971 - Misuku-Mughese Mission (= Mugesse, Misuku) (09 41 02 S 33 27 29 E, 1500m): **NHMZ**: V2197/63683; **ZMA**: MAM.26137 - Mulanje (15.93S 35.62E): **KM**: 11771 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.26121, MAM.26122, MAM.26123, MAM.26124, MAM.26125, MAM.26126, MAM.26127, MAM.26128 - Mwakalukwa banana plantation (09 40 00 S 33 35 00 E): **WAM**: M41583 - Mwalingo (0940S 3332E, 1460 m): **FMNH**: 196175, 196176, 196177, 196604, 196605, 196606, 196607, 196608, 196609 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420 m): **MVZ**: 220858, 220859, 220860, 220861, 220862, 220863, 220864, 220865, 220866, 220867, 220868, 220869, 220870, 220871 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1541 m): **FMNH**: 192060, 192061, 192062, 192063, 192064, 192065, 192066 - Ntchisi Forestry Resthouse (13 23 S 34 00 E, 1500m): **ZMA**: MAM.26132, MAM.26133, MAM.26134 - Thyolo (16.12S 35.08E): **CM**: 6375 - Wilindi Forest (0942S 3329E, 1900m): **NMZL**: 3224, 3225, 3226, 3227 - Zoa Tea Estate (1614S 3512E, 800m): **NMMB**: 74ROM914, 74ROM917, 74ROM936 - Zomba plateau, foot of (15 20 S 35 18 E): **ZMA**: MAM.26131 - Zomba town (1523S 3519E): **BMNH**: 1936.4.16.1.

Mozambique:

Balama Coutada (13 24 58 S 38 02 15 E): **DNSM**: 8631 - Beira (1949S 3452E): **ROM**: 51076, 51077, 51081, 51082, 51083, 51084, 51085, 51086, 51096, 51097, 51098, 51099, 51101, 51102 - Beira, 10 km N (ca. 1919S 3452E): **USNM**: 365135 - Beira, 20 mi N (ca. 1949S 3452E): **HZM**: 16.4237 - Beira, near (1950S 3451E): **TM**: 6208 - Buzi River (19 55 40 S 33 49 42 E): **DNSM**: 8652 - Chimonzo (24 56 54 S 33 17 30 E, 81 m): **DNSM**: 42, 44, 45, 49, 56, 58; **USNM**: 351987, 351988, 351989, 351990, 351991, 351992, 351993 - Chinizuia Forest (18 58 38 S 35 03 20 E): **DNSM**: 8651 - Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8628 - Inhaca Island (26 01 S 32 58 E): **DNSM**: 43, 46 - Inhambane (2400S 3528E): **BMNH**: 1907.6.2.12 - Jangamo (240644S 351905E, 18 m): **USNM**: 351999, 352002 - Jongamo (2406S 3519E): **USNM**: 352000, 352001, 352003 - Luabo (1830S 3610E): **HZM**: 24.5924 - Lumbo (1500S 4040E): **MCZ**: 22774 - Mague (1607S 3337E): **TM**: 14717 - Mague, new (1549S 3144E): **TM**: 14713, 14714, 14715, 14716, 14718 - Maputo Special Reserve (26.35534S 32.92919E): **TM**: 47811 - Maputo, 2 mi [= 3.2 km] N (255755S 323521E, 100 ft): **MVZ**: 117088, 117089, 117090, 117091, 117092, 117093, 117094, 117973, 117974 - Marromeu, Coutada 1 (18.25S 35.75E): **NHMZ**: 84005 - Masembeti (19 36 34 S 34 44 35 E): **BMNH**: 1907.6.2.9 - Massangena (21 33 18 S 32 57 38 E, 115 m): **DNSM**: 8627; **USNM**: 351986 - Massinga, 2 km S (2320S 3524E): **USNM**: 351995, 351996,

351997, 351998 - Moamba (253546S 321436E, 112 m): **USNM**: 351994 - Morombozi River, below forest (18 29 02 S 34 02 35 E): **FMNH**: 214693, 214694 - Mungari, 5 km N (17 10 00 S 33 33 00 E, 500 m): **USNM**: 367453, 367455 - Murabue (152428S 370430E, 1111 m): **FMNH**: 177089, 177209, 177210 - Naa Macha (255813S 320132E, 547 m): **ROM**: 41709 - Namapa (13 29 42 S 39 47 03 E): **DNSM**: 8650 - Panda (24 03 48 S 34 43 49 E): **USNM**: 352004, 352005, 352006, 352007, 352008, 352009, 352010 - Pico Meponduine (255645S 315844E): **AMNH**: 245139 - Posto Inhaca (2604S 3258E): **USNM**: 351977, 351978, 351979, 351980, 351981, 351982, 351983, 351984, 351985 - Shupanga: **BMNH**: 1864.8.16.1 (Holotype *Epomophorus macrocephalus var. unicolor*) - Shupanga (180116S 353351E): **BMNH**: 1864.1.9.5 - Tette [=Tete] (1610S 3335E, 230 m): **ZMB**: 10020 (Paralectotype *Epomophorus crypturus*) - Vila Mahado (191609S 341246E): **ROM**: 51072 - Zinave (21 26 12 S 33 51 01 E): **AMNH**: 245137, 245138; **MWSU**: 3290, 3291, 3292, 3295, 3296, 3297.

Namibia:

Epupa Falls (1701S 1314E): **TM**: 16336, 16337 - Swartbooidrift (1720S 1350E): **TM**: 16334.

Rwanda:

Astrida (023550S 294420E, 1733 m): **RMCA**: 20496.

Somalia:

Unknown locality: **BMNH**: 1987.66, 1987.67, 1987.68, 1987.69 - Afgoi (0207N 4502E): **MZUF**: 2051; **USNM**: 543376 - Gelib (0026N 4248E): **MZUF**: 2055 - Genale (0148N 4442E): **MZUF**: 2020 - Giohar (0157N 4450E): **MZUF**: 5516 - Jamaame (00 04 20 N 42 45 02 E, 10 m): **CM**: 85165, 85166, 85167, 85810, 85816, 85818, 85820, 85821, 85823, 85825, 85834, 85835, 85836, 85837, 85839, 85840, 85851, 85856 - Libsoma farm (02 05 N 44 58 E): **CM**: 85132, 85133, 85134, 85136, 85137, 85138, 85139, 85140, 85142, 85143, 85144, 85145, 85146, 85769, 85770, 85772, 85774, 85776, 85778, 85780, 85782, 85784 - Ola Uager (0114N 4132E): **MZUF**: 5737 - Shoonto forest (0101N 4236E): **BMNH**: 1987.65 - Snai Sugar Plantation (02 46 N 45 31 E): **CM**: 85152, 85153, 85154, 85155, 85159, 85162, 85163, 85672, 85786, 85789, 85791, 85793, 85794, 85798, 85801; **TTU**: 39173.

South Africa:

Unknown locality: **ZMA**: MAM.23654 - Albany District (33.3S 26.52E): **KM**: 32552 - Albert Falls Resource Reserve (29 26 45 S 30 25 43 E, 708 m): **DNSM**: 11268 - Alice (324700S 265000E): **KM**: 1591, 1606 - Amanzimtoti (30 03 00 S 30 52 48 E, 16 - 83 m): **ZMA**: MAM.24489, MAM.24490 - Amanzimtoti (30 03 00 S 30 52 48 E, 50 m): **DNSM**: 13084, 13314, 54, 5633 - Amanzimtoti (30 03 00 S 30 52 48 E, 65 m): **DNSM**: 7376 - Amanzimtoti (30 03 00 S 30 52 48 E, 83 m): **DNSM**: 6913 - Anthrax camp (22 25 30 S 31 12 30 E): **KNP**: 145 - Barberton (2547S 3103E): **TM**: 1367 - Barberton, 14 km NW (2547S 3054E): **CM**: 40965; **USNM**: 468324, 468325 - Bayete Camp (27 46 48 S 32 18 36 E, 56 m): **DNSM**: 8793 - Bazely Village (30 25 58 S 30 40 10 E): **DNSM**: 13315 - Beaumont (29 52 42 S 30 33 29 E, 710 m): **DNSM**: 1 - Bedford (32.65S 26.18E): **KM**: 32572 - Bellair (29 53 S 30 57 E, 64 m): **DNSM**: 6928 - Berea (29 51 S 31 00 E, 114 m): **DNSM**: 10041, 7234 - Berea (29 51 S 31 00 E, 123 m): **DNSM**: 13081 - Berea (29 51 S 31 00 E, 23 m): **DNSM**: 14168 - Bluff (29 55 54 S 31 00 48 E, 20 - 81 m): **DNSM**: 14235, 7236 - Bluff (29 55 54 S 31 00 48 E, 37 m): **DNSM**: 7243 - Bluff (29 55 54 S 31 00 48 E, 40 m): **DNSM**: 7239 - Bluff (29 55 54 S 31 00 48 E, 78 m): **DNSM**: 6932 - Bluff Nature Reserve (29 55 59 S 30 59 36 E, 20 m): **DNSM**: 14234 - Bonamanzi Game Reserve (28 06 S 32 18 E, 63 m): **DNSM**: 4416, 4419 - Brooklyn (2545S 2814E): **TM**: 41547 - Carter's Nurseries: **HZM**: 26.6528, 26.6529 - Clairwood Park (29 56 S 30 58 E): **DNSM**: 2187 - Cowies Hill (29 49 00 S 30 53 00 E, 296 m): **DNSM**: 7050 - Doorndraai Dam Nature Reserve (2416S 2843E): **TM**: 44061 - Doornhoek mine (29 36 S 30 31 E, 535 m): **KU**: 135855 - Dukuduku Forest Station (28 23 00 S 32 19 00 E): **TM**: 40390, 40391 - Durban (29 51 00 S 31 01 00 E, 27 m): **DNSM**: 6 - Durban (29 51 00S 31 01 00 E, 199 m): **DNSM**: 4780 - Durban (29 51 00S 31 01 00 E, 27 m): **BMNH**: 1920.9.1.3; **ROM**: 41707; **SMNS**: 1432; **ZMB**: 10016 - Durban (29 51 S 31 00 E): **DNSM**: 12647, 5753 - Durban (29 51 S 31 01 E): **DNSM**: 2, 4, 47, 640, 7, 714, 8, 9 - Durban CBD (29 51 00 S 31 01 00 E, 6 m): **DNSM**: 7070 - Durban CBD (29 51 S 31 01 E, 10 m): **DNSM**: 956 - Durban North (29 48 00 S 31 02 00 E, 20 - 138 m): **DNSM**: 6902 - Durban North (29 48 00 S 31 02 00 E, 56 m): **DNSM**: 13406 - Durban, near (ca. 29 52 S 31 00 E): **AMNH**: 244296, 244297 - East London (33.15S 21.92E): **KM**: 20537 - Eastern Cape province: **DNSM**: 14751, 14799 - Ellingham (30 19 00 S 30 42 00 E): **ZMA**: MAM.23564, MAM.23567, MAM.23569, MAM.23575, MAM.23577, MAM.23578, MAM.23604, MAM.24420 - Empisini Nature Reserve (30 12 S 30 48 E, 19 m): **DNSM**: 5109, 5110, 5111 - Encobo (31.67S 27.98E): **KM**: 20540 - Enseleni Nature Reserve (28 41 22 S 32 00 12 E, 41 m): **DNSM**: 2501, 2502 - Enseleni Nature Reserve (28 41 22 S 32 00 12 E, 44 m): **DNSM**: 2504 - Eshowe (28 53 S 31 28 E, 540 m): **KU**: 135856; **TM**: 7447, 7448 - Everton (29 27 00 S 30 15 00 E, 1276 m): **DNSM**: 14239 - Farm "Clearwater" (3116S 3001E): **TM**: 41180 - Farm Greefswald 37MS, Shashi-Limpopo confluence (2213S 2922E): **TM**: 20341 - Farm Malta (2359S 3150E): **TM**: 27559 - Farm Naerina (23 42 S 30 16 E): **TM**: 25265, 25266 - Forest Hills (29 45 S 30 49 E, 555 m): **DNSM**: 7570 - Fynnlands (29 53 46 S 31 01 36 E, 42 m): **DNSM**: 5086 - Glenashley (29 45 39 S 31 03 04 E, 103 m): **DNSM**: 2130 - Glenhills (29 47 S 31 02 E, 116 m): **DNSM**: 5067 - Glenwood (29 50 S 31 00 E, 17 m): **DNSM**: 13080 - Glenwood (29 50 S 31 00 E, 28 m): **DNSM**: 8833 - Glenwood (29 50 S 31 00 E, 29 m): **DNSM**: 2750 - Glenwood (29 50 S 31 00 E, 30 m): **DNSM**: 13078 - Glenwood (29 50 S 31 00 E, 35 m): **DNSM**: 14167, 7512 - Glenwood (29 50 S 31 00 E, 48 m): **DNSM**: 3862 - Grahamstown (33 18 S 26 32 E, 500 m): **BMNH**: 1897.11.5.38, 1897.11.5.39; **MCZ**: 25160, 25178, 25179, 25180; **USNM**: 113452, 113453, 113454, 113455, 113456; **ZMB**: 10014 - Grahamstown District (33.13S 26.38E): **SAMC**: 385 - Greenpoint Lighthouse (30 14 57 S 30 46 38 E): **ZMA**: MAM.23566, MAM.23572, MAM.23580, MAM.23583, MAM.23584, MAM.23585, MAM.23586 - Greenwood Park (29 47 S 31 01 E): **DNSM**: 13, 3 - Greyville (29 50 29 S 31 00 56 E, 11 m): **DNSM**: 10652 - Greyville (29 50 29 S 31 00 56 E, 34 m): **DNSM**: 14170 - Haenertsburg (2400S 2950E): **TM**: 23713 - Harold Johnson Nature Reserve (29 12 00 S 31 25 36 E): **DNSM**: 5534 - Hectorspruit (25 26 00 S 31 41 00 E, 245 m): **TM**: 1058, 1059, 1060, 46712 - Hella Hella Game Valley Estates (29 54 S 30 05 E, 564 m): **DNSM**: 6833 - Hillary (29 53 S 30 57 E, 104 -115 m): **DNSM**: 12, 14 - Hillary (29 53 S 30 57 E, 104 m): **DNSM**: 11 - Hillcrest (29 46 00 S 30 46 00 E, 724 m): **DNSM**: 6926 - Hilton (29 31 S 30 18 E, 1140 m): **DNSM**: 10638 - Howick village (29 28 S 30 14 E, 1056 m): **TM**: 34346 - Ingwenya Farm (409 SU) (2720S 3158E, 185 m): **FMNH**: 195597, 195598, 195635 - Kaap provincie [=Cape province]: **USNM**: 113451 - Kaffraria (2748S 2507E): **KM**: 1602 - Kenneth Stainbank Nature Reserve (29 55 S 30 56 E, 133 m): **DNSM**: 3668 - Kenneth Stainbank Nature Reserve (29 55 S 30 56 E, 59 m): **DNSM**: 3664, 3667 - King William's Town (32 53 00 S 27 24 00 E, 363 m): **AMNH**: 115818, 146783; **HZM**: 20.4726; **KM**: 1618; **MCZ**: 37038, 37039, 37040; **MSB**: 47955; **SAMC**: 37069; **TTU**: 36636 - King Williamstown (32 53 00 S 27 24 00 E, 363 m): **CM**: 89618; **KM**: 11538, 12605, 1616, 1623, 1626, 1629, 1632, 1635, 19170, 24180, 24183, 24186, 7969, 7970, 7972 - Kloof (29 47 S 30 50 E, 497 m): **DNSM**: 1614, 7912 - Kloof (29 47 S 30 50 E, 498 m): **DNSM**: 6857 - Kloof (29 47 S 30 50 E, 543 m): **DNSM**: 7491 - Kloof (29 47 S 30 50 E, 561 m): **DNSM**: 5549 - Knysna (34.03S 23.05E): **KM**: 26318 - Kosi Lake, Department of Health camp (2657S 3249E): **TM**: 40468 - Kruger NP, Levuvhu Bridge (22.42S 31.18E): **KM**: 31373 - KwaZulu-Natal province: **SMNS**: 1459 - Lajuma Mountain Reserve (23 01 22 S 029 15 52 E, 1305 m): **DNSM**: 13543 - Lake Sibaya Reserve Station (2721S 3243E): **TM**: 25752, 25753 - Levuvhu Hippopool

(22 25 51 S 31 10 51 E): **TM**: 30540, 30542, 34243 - Lister Point Camp (27 58 S 32 22 E, 54 m): **DNSM**: 2253, 2254, 2255, 2259, 2270 - Loskop Dam Nature Reserve (2525S 2920E): **TM**: 25403, 25407 - Loskopdam Nature Reserve (2523S 2920E): **TM**: 25404, 25405, 25406 - Lydenburg (2506S 3027E): **TM**: 47130 - Makatini Flats (27 15 S 32 13 E): **ROM**: 41708 - Malelane (2527S 3130E): **TM**: 14058, 30040 - Malelane (2528S 3131E): **TM**: 14059 - Malelane Rangers Quarters (25 28 38 S 31 30 41 E): **KNP**: 92 - Malelane, 3 km NNE (ca. 2525S 3135E): **AMNH**: 257145, 257146 - Malvern (29 53 S 30 55 E, 179 m): **TM**: 978 - Manor Gardens (29 51 53 S 30 58 32 E, 65 m): **DNSM**: 7405, 8810 - Mansia Valley (28 03 S 32 05 E): **TM**: 40339 - Mansiya Valley (28 03 S 32 05 E): **DNSM**: 3278, 8052 - Mariepskop (2441S 3054E): **USNM**: 384723, 384724, 384725 - Marloth Park (25 22 S 31 47 E, 210 m): **FMNH**: 195594, 195595, 195596 - Marone (2445S 3019E): **BMNH**: 1953.21 - Marshall Grove (29 53 14 S 30 58 10 E, 60 m): **DNSM**: 5478 - Matafalu River: **HNHM**: 98.47.1 - Matukwala Dam (22 40 56 S 30 57 46 E): **TM**: 29927, 29941 - Middle Garage: **DNSM**: 8911 - Montclair (29 55 14 S 30 58 08 E, 70 m): **DNSM**: 13083, 7434 - Montrose (29 34 30 S 30 21 08 E, 717 m): **DNSM**: 5054, 5692 - Morningside (29 50 S 31 00 E, 23 - 108 m): **DNSM**: 5424, 6807 - Morningside (29 50 S 31 00 E, 70 m): **DNSM**: 14233 - Mqanduli (314900S 284500E): **KM**: 32574 - Mtunzini (28 57 S 31 46 E): **DNSM**: 119, 41, 50, 51, 53, 57 - Munthouse, Visagie Street (2548S 2811E): **TM**: 29051 - Musgrave (29 50 06 S 31 00 27 E, 83 m): **DNSM**: 14232 - Musgrave (29 50 06 S 31 00 27 E, 97 m): **DNSM**: 14169, 14236, 7403 - Ndumo Game Reserve (26 52 00 S 32 15 00 E): **ROM**: 41735 - Ndumu Game Reserve (2652S 3222E): **TM**: 35229 - Ndumu Game Reserve (2653S 3215E): **TM**: 25229, 35185, 35211, 35213 - Nelspruit (252800S 305800E): **SMNS**: 6726 - Nelspruit (2528S 3059E): **SMNS**: 17488, 5033; **TM**: 13950, 3831 - New Germany (29 46 57 S 30 52 20 E, 345 m): **DNSM**: 13407 - New Mucklenuek, 351 Rey Street (254112S 281156E, 1274m): **TM**: 45125 - Ngome Forest Reserve (27 52 00 S 31 24 45 E): **TM**: 39131, 39132, 39133, 39829 - Northdene (29 52 00 S 30 53 00 E, 253 m): **DNSM**: 712 - Ntambanana (2836S 3144E): **TM**: 3027 - Oribi Gorge Nature Reserve (30 43 S 30 16 E): **TM**: 34347 - Pafuri (22 24 36 S 31 06 36 E): **CM**: 69662, 69663; **NMB**: 2823; **TM**: 29833, 29834, 29840, 29841, 29842, 29867, 29868, 29869, 48561, 48562, 48563, 48585, 48604 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **AMNH**: 257147, 257148 - Pafuriv area (II) (22 27 S 31 18 E): **KNP**: 117, 118 - Pennington (railroad siding) (30 23 S 30 42 E): **CM**: 40966, 40967, 40969 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **USNM**: 292064 - Pietermartizburg (29 37 S 30 23 E, 721 m): **HZM**: 1.1115, 2.1295 - Pigeon Valley (29 52 S 31 00 E): **TM**: 38679, 38680 - Pinetown (29 49 S 30 51 E, 359 m): **DNSM**: 7235 - Pinetown (29 49 S 30 52 E, 354 m): **DNSM**: 2137 - Pinetown (29 49 S 30 52 E, 359 m): **DNSM**: 10, 10043, 5, 5342 - Pirie Trout hatchery (3243S 2718E): **KM**: 19272 - Pondoland: **ZMB**: 9742 - Pongola, 9 Jan Kemlaan (2722S 3136E): **TM**: 17373, 17374, 17376, 17377 - Pongoland (2730S 2930E): **TM**: 17371, 17375 - Port Elisabeth (3358S 2536E): **HZM**: 22.4738 - Port Elizabeth (33 58 S 25 38 E, 29 m): **HZM**: 19.4725, 21.4737 - Port Shepstone (30 44 29 S 30 27 18 E, 0 m): **DNSM**: 5052 - Port St Johns (31.63S 29.55E): **KM**: 1596; **SAMC**: 5545 - Port St. Johns (3138S 2933E): **TM**: 1062, 1063, 982 - Pretoria (25 42 25 S 28 13 46 E, 1271 m): **TM**: 29050 - Pretoria district (ca. 254225S 281346E): **FMNH**: 38136 - Queensburgh (29 51 00 S 30 54 00E, 137 m): **DNSM**: 6915 - Queensburgh (29 51 00 S 30 54 00E, 162 m): **DNSM**: 13317 - Queensburgh (29 51 00 S 30 54 00E, 230 m): **DNSM**: 6362 - Renie Park (30 19 00 S 30 44 00 E): **ZMA**: MAM.23590, MAM.23591, MAM.23592, MAM.23593, MAM.23594, MAM.23595, MAM.23596, MAM.23597, MAM.23598, MAM.23599, MAM.23600, MAM.23601, MAM.23602, MAM.23603 - Renishaw (30 16 S 30 45 E): **ZMA**: MAM.23589 - Rocktail Bay (27 13 17 S 32 47 36 E): **TM**: 48609, 48610 - Roseneath (30 11 06 S 30 44 37 E): **ZMA**: MAM.23565, MAM.24416, MAM.24418, MAM.24423 - Rynie Park (30 19 00 S 30 44 00 E): **ZMA**: MAM.23605, MAM.23606, MAM.23607, MAM.23608, MAM.23609, MAM.23610, MAM.23611, MAM.23612, MAM.23613, MAM.23614, MAM.23615, MAM.23616, MAM.23617, MAM.23618, MAM.23619, MAM.23620, MAM.23621, MAM.23622, MAM.23623, MAM.23626, MAM.23627, MAM.23628, MAM.23629, MAM.23630, MAM.23631, MAM.23632, MAM.23633, MAM.23634, MAM.23635, MAM.23636, MAM.23637, MAM.23638, MAM.23639, MAM.23640, MAM.23642, MAM.23643, MAM.23644, MAM.23645, MAM.23646, MAM.23647, MAM.23648, MAM.23649, MAM.23650, MAM.23651, MAM.23652, MAM.23653, MAM.23655, MAM.23656, MAM.23657, MAM.23658, MAM.23659, MAM.23660, MAM.23661, MAM.23662, MAM.23663, MAM.23664, MAM.23666, MAM.23667, MAM.23668, MAM.23669, MAM.23670, MAM.23671, MAM.23672, MAM.23673, MAM.23674, MAM.23675, MAM.23676, MAM.23677, MAM.23679, MAM.23680, MAM.23681, MAM.23682, MAM.23683, MAM.23686, MAM.23687, MAM.23688, MAM.23690, MAM.23691, MAM.23692, MAM.23693, MAM.23694, MAM.23695, MAM.23696, MAM.23697, MAM.23698, MAM.23699, MAM.23700, MAM.23701, MAM.23702, MAM.23703, MAM.23704, MAM.23705, MAM.23706, MAM.23707, MAM.23708, MAM.23709, MAM.23710, MAM.24419 - Sarnia (29 50 S 30 52 E): **DNSM**: 14240, 665, 678 - Scottburgh (30 17 S 30 45 E, 10 - 59 m): **DNSM**: 13316; **ZMA**: MAM.23570, MAM.23571, MAM.23574 - Scottsburgh Golf Course (301733S 304504E): **TM**: 38547 - Sea View, Durban (29 53 26 S 030 57 48 E, 58 m): **DNSM**: 4796 - Sea View, Durban (29 53 26 S 030 57 48 E, 65 m): **DNSM**: 7998 - Shepston Nature Reserve (29 51 S 31 00 E): **TM**: 38681 - Simuwana (2226S 3111E): **CM**: 69664 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **AMNH**: 257149 - Soutpansberg (22 58 48 S 30 15 00 E): **BMNH**: 1909.3.2.4 - St. George's Park (3358S 2535E): **MVZ**: 117095, 117096, 117097, 117098 - St. Lucia (28 23 S 32 25 E, 20 m): **TM**: 38274, 40433 - St. Lucia (28 23 S 32 25 E, 26 m): **DNSM**: 1097, 1099; **ZMA**: MAM.23581, MAM.23582 - Stainbank NR (29.92S 30.93E): **DNSM**: 3666 - Steynsdorp (26 08 S 30 59 E, 863 m): **TM**: 1636 - Stokenstrom (303600S 252400E, 1307 m): **AMNH**: 185379 - The Downs (2408S 3011E): **TM**: 25603, 27561 - Town Bush (29 33 S 30 21 E): **DNSM**: 5691 - Tshaneni (2737S 3204E): **BMNH**: 1973.489 - Tugela river (2900S 3030E): **NRM**: A59 1042, A60 2040 - Twin Streams (28 58 S 31 42 E): **DNSM**: 48 - Tzaneen (23 50 S 30 10 E, 742 m): **TM**: 13536 - Tzaneen Estate (23 48 S 30 10 E): **TM**: 980, 981 - Umbilo (29 53 21 S 30 59 04 E, 22 - 195 m): **DNSM**: 13079, 8834 - Umbilo (29 53 21 S 30 59 04 E, 37 m): **DNSM**: 7237 - Umdloti (29 40 21 S 31 06 56 E, 33 m): **DNSM**: 7999 - Umdoni Caravan Park (3024S 3041E): **TM**: 43853 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 8740 - Umkomaas (30 12 S 30 48 E, 36 m): **DNSM**: 13321, 3494; **ZMA**: MAM.21156, MAM.21157, MAM.21158, MAM.21159, MAM.23568, MAM.23576, MAM.23579, MAM.23587, MAM.23588, MAM.24421, MAM.24422 - Umtata (31.6S 28.75E): **SAMC**: 13351 - Umtentwini (30 42 58 S 30 27 53 E, 39 m): **DNSM**: 13323 - Umteriumi: **USNM**: 198679 - Umzumbi Mission (30 34 00 S 30 26 00 E): **CUMV**: 13162 - Umzumgwenya Nature Reserve: **AMNH**: 232027 - Umzumgwenya Nature Reserve (2908S 3124E): **TTU**: 40969 - University of KwaZulu-Natal, Cato Manor (29 51 47 S 30 58 09 E, 143 m): **DNSM**: 3669 - Unnamed locality (Ugu district) (30 12 00 S 30 19 00 E): **ZMA**: MAM.24424, MAM.24425 - Uvongo (3050S 3025E): **WNMU**: 6023, 6024, 6027, 6028, 6043, 6044, 6046, 6047, 6053, 6054, 6055, 6056, 6057, 6059 - Uvongo Beach (3050S 3025E): **FMNH**: 152318, 152319, 152320, 152321, 152322, 152323, 152324, 152325, 152326, 152327, 152328, 152329, 152330, 152331, 152332, 152333, 152334, 152335, 152336, 152337, 152338, 152339, 152340, 152341, 152342, 152343, 152344, 152345, 152346 - van Staaden River Pass, 26 mi W. Port Elizabeth (335400S 251200E): **AMNH**: 168100, 168101 - Vhembi,junction of Shashe and Limpopo (2226S 2922E): **TM**: 40101 - Waterfall: **HNHM**: 2001.6.1 - Weenen (28 51 S 30 04 E, 858 m): **TM**: 4920 - Westville (29 50 S 30 56 E, 209 m): **DNSM**: 12015 - Westville (29 50 S 30 56 E, 255 m): **DNSM**: 9135 - Westville (29 50 S 30 56 E, 273 m): **DNSM**: 12646 - Westville (29 50

S 30 56 E, 286 m): **DNSM**: 2196 - Winkelspruit (30 06 15 S 30 51 09 E, 30 m): **DNSM**: 7404 - Witrivier, 11 mi W: **AMNH**: 381537 - Witrivier, 11 mi W (2518S 3103E): **USNM**: 381537 - WNLA Garden, Crooks Corner (22 24 10 S 31 15 12 E): **KNP**: 157 - Zwelitsha (32.72S 27.29E): **KM**: 32549.

South Sudan:

Gilo (04 02 18 N 32 50 43 E, 1736 - 1863 m): **SMNS**: 31357 - Talanga forest (0400N 3244E): **SMNS**: 29854.

Swaziland:

Bar Circle Ranches (2641S 3153E): **TM**: 45554 - Dinedor Ranch (2622S 3134E): **TM**: 45636, 45637 - Franson Christian High (2712S 3124E): **TM**: 45638 - Hlatikulu (2658S 3119E, 1114 m): **ROM**: 51103, 51104, 51105, 51106, 51107 - Kwaluseni (2629S 3118E): **TM**: 45269, 45270 - Mbabane (2620S 3108E): **TM**: 25696, 25697 - Mkhaya Game Reserve (26 37 48 S 31 46 12 E): **DNSM**: 8515 - Mlawula Estates [= Mlawula Nature Reserve] (26 12 S 32 01 E, 760 m): **DNSM**: 52 - Mlawula Nature Reserve (26 12 S 32 01 E): **DNSM**: 7901 - Our Lady of Sorrows (2716S 3132E): **TM**: 45640 - Rosecraft (26 38 S 31 17 E, 667 m): **TM**: 47708 - Sandleni Primary School (2704S 3125E): **TM**: 45639 - Siphiso campsite (26 12 34 S 32 00 02 E): **DNSM**: 5847, 7171 - St. Joseph's (2627S 3127E): **TM**: 45704 - Tshaneni (2559S 3143E, 321 m): **ROM**: 68791, 68792, 68799.

Tanzania:

Unknown locality: **BMNH**: 1874.4.20.6, 1986.174, 1986.175, 1995.84; **RMCA**: a4.036-M-0529; **SMF**: 15755, 15764, 79666, 81223, 81224, 89674 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **BMNH**: 1986.173; **TM**: 14016, 14017; **YPM**: MAM 002137, MAM 002138 - Ambangulu Estate (05 05 S 38 26 E, 1120 - 1300 m): **SMF**: 59546; **ZMB**: 54593, 54595, 54662, 67064 - Ambangulu Estate (05 05 S 38 26 E, 1120 m): **FMNH**: 147215 - Ambangulu Estate (05 05 S 38 26 E, 1300 m): **FMNH**: 150051, 150399, 150400 - Arusha (03 22 00 S 36 41 00 E, 1254 m): **ROM**: 69198, 69199, 69200, 69203 - Arusha region: **SMF**: 25762, 25763, 25764, 25765, 69213 - Arusha, 6 mi S (0335S 3720E, 1372 m): **FMNH**: 86019, 86511 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **RMNH**: MAM.08695, MAM.08696 - Bombo, 7 km S (0420S 3800E, 1100 m): **FMNH**: 151182 - Bulwa Tea Estate (050000S 383800E, 1000 m): **FMNH**: 150042, 150046, 150047 - Bunduki (07 02 S 37 38 E, 1416 m): **LACM**: 19684, 19685, 55311, 55312, 55313, 55314 - Chita, 4.5 km W (0831S 3554E, 600 m): **FMNH**: 155378, 155379, 155547 - Chuaka (0523S 3947E): **BMNH**: 1919.6.9.8 - Chugu Peak, near (06 50 01 S 36 34 19 E): **FMNH**: 197515 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **BMNH**: 1922.7.17.31, 1922.7.17.34, 1922.7.17.36, 1922.7.17.38; **FMNH**: 27282, 27283, 27284, 27285; **MCZ**: 22769, 22770; **NMW**: 17863, 17864; **RMCA**: 5072; **SMNS**: 3175; **ZMB**: 54208, 54208a, 54208b, 54208c, 54209, 54210, 54424, 67054, 67055, 9990, 9991, 9992, 9993, 9998, A.5677 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 1100 m): **FMNH**: 150043 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 870 m): **FMNH**: 150041, 150044, 150045, 150048, 150049, 150050, 150393, 150396, 150398 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 150390, 150391, 150392, 150394, 150395, 150397, 151179, 151180, 151181, 151413 - Gibbs farm (0321S 3532E): **SMF**: 66944 - Gonja Maore (0415S 3803E, 550 m): **FMNH**: 151183, 151184, 151414, 151415 - Grumetti (020500S 335700E): **AMNH**: 183931, 183932, 183933 - Ikoma (020400S 343700E, 1344 m): **AMNH**: 183930 - Juani village (0759S 3947E, 10 m): **FMNH**: 187407 - Kihansi Airstrip (0824S 3541E): **FMNH**: 183102, 183103 - Kilimanjaro, Mount (030400S 372200E, 4500 ft): **USNM**: 238035 - Kilombero Valley (08 40 S 36 30 E, 330 m): **FMNH**: 182940, 182941, 182942 - Kimboza Forest Reserve (070145S 374642E): **FMNH**: 183258, 183259 - Kisarawe (0653S 3903E): **ZFMK**: 1961.0075, 1961.0076 - Kiwengwa, near (ca. 0559S 3923E, 16 m): **FMNH**: 198037, 198038, 198039, 198115, 198116 - Kizimkazi (0628S 3928E): **BMNH**: 1955.176 - Kokotoni (055200S 391500E): **NMW**: 17496; **ZMB**: A.76a07 - Kokotoni [=Mkokotoni] (0518S 3941E): **ZMB**: 67071, 67072 - Kotur: **ZMB**: 5380, 5383 - Kwambumi Forest Reserve (0457S 3844E): **FMNH**: 182548 - Lake Duluti (0323S 3647E): **ROM**: 69186 - Lembeni (034700S 373700E): **SMNS**: 5973, 5975, 5976, 5977, 5979 - Lembeni (0347S 3737E): **SMNS**: 17485, 5974, 5978; **ZFMK**: 1960.0214, 1960.0215, 1960.0217, 1960.0223, 1960.0224, 1960.0225, 1960.0226 - Lindi (10 00 S 37 43 E, 0 m): **ZMB**: 9252 - Lindi region: **SMF**: 81225, 82521, 82522 - Liwale (09 46 S 37 56 E, 468 m): **BMNH**: 1964.1327, 1964.1329; **HZM**: 25.6344 - Lukoga (09 00 S 37 00 E): **HZM**: 14.4056 - Lukoga (0900S 3700E): **HZM**: 13.4022 - Malindi (04 37 S 38 18 E, 1626 m): **ZMB**: 5597 (Paralectotype *Ep[omophorus (Epomophorus)] neumanni*) - Masimani (041300S 373300E): **ZMB**: 54420 - Matumbi (0929S 3531E, 575 m): **AMS**: M.29938 - Mazumba Estate (04 48 S 38 29 E, 1412 m): **SMF**: 59544 - Mbeya region: **SMF**: 79663 - Mikindani (10 17 S 40 07 E, 17 m): **MCZ**: 38840; **SMF**: 26930, 26962, 26963, 26964, 26966, 26968, 26970; **ZFMK**: 1964.0870, 1964.0871, 1964.0872, 1964.0874, 1964.0875; **ZMB**: 67053 - Misingi (0324S 3706E): **SMNS**: 4519 - Mlola Forest (07 51 14 S 39 46 49 E, 20 m): **FMNH**: 182501, 182502 - Morogoro (06 48 S 37 40 E, 560 m): **MCZ**: 22771, 22773 - Morogoro region: **SMF**: 57320, 82520, 88510, 88511, 88512, 89675, 89676, 89677, 89678, 89679 - Morogoro, near (ca. 0648S 3740E): **YPM**: MAM 002139 - Moshi (03 21 S 37 20 E, 887 m): **BMNH**: 1894.2.6.1; **ZMB**: 9968 (Paralectotype *Ep[omophorus (Epomophorus)] neumanni*) - Mtwara region: **SMF**: 25756, 26931, 26932, 26933, 26934, 26935, 26965, 26967, 26969, 26971 - Muansa [=Mwanza] (02 31 S 32 54 E, 1209 m): **ROM**: 48596 - Mulenge Forest (0725S 3528E, 790 m): **FMNH**: 166905, 166906 - Mwanihana forest (07 50 S 36 50 E, 100 m): **SMF**: 58996, 66942, 66943 - Mwela (0749S 3143E): **SMNS**: 31435 - Mwiti Mkuu (04 55 S 39 48 E): **BMNH**: 1956.190 - Nashallo (0312S 3702E): **SMNS**: 4163, 4167 - Ngezi Forest (0456S 3942E, 32 m): **FMNH**: 192845 - Nkungwe Hill summit, 0.5 km NW (0606S 2947E, 2100 m): **FMNH**: 177847 - Ol Donyo Sambu (04 06 S 36 21 E, 1829 m): **FMNH**: 86508, 86513 - Pwani region: **SMF**: 79665, 92425 - Ras Kisimani, near (ca. 0757S 3935E): **FMNH**: 187408 - Rondo Flat [Forest Reserve] (10 09 00 S 39 15 00 E, 473 m): **HZM**: 23.5303, 7.2900; **RMCA**: 96.037-M-7151 - Rondo Forest Reserve (10 09 00 S 39 15 00 E, 473 m): **RMCA**: 96.037-M-7150 - Ruanda farm (1033S 3456E): **HZM**: 38.18743 - Rungwe District (09 15 00 S 33 40 00 E, 5000 ft): **RMCA**: 96.037-M-7145, 96.037-M-7146, 96.037-M-7147, 96.037-M-7148, 96.037-M-7149 - Tanga (05 04 00 S 39 06 00 E, 0 m): **FMNH**: 152347, 152348; **LACM**: 31744, 31746, 31747, 31748, 31749, 31750, 31751, 51444; **ROM**: 38274, 38275, 68475, 68476, 77971, 77972, 77974, 77975, 77976, 77977, 77978, 77979, 77987, 77988, 77989, 77990, 77991; **USNM**: 351173, 351174, 351175, 351177, 351179 - Tanga region: **SMF**: 58997, 59545, 79657, 79658, 79659, 79660, 79661, 79662, 79664, 82485, 82486, 82506, 82507, 82508, 83502, 83503, 85509, 85529, 85530, 86372, 86373, 86680, 92419, 92420, 92421, 92422, 92423, 92424, 93002, 93003, 93004, 93005, 93006, 93007, 93008 - Tanzania: **SMF**: 25755 - Tendaguru [=Tendaguro] (0945S 3920E, 375 m): **ZMB**: 54196 - Tengeru (03 23 00 S 36 50 00 E, 1250 m): **AMNH**: 179288; **FMNH**: 86512 - Tenguru (0323S 3650E): **BMNH**: 1964.1316, 1964.1318, 1964.1319, 1964.1322, 1964.1323, 1964.1325 - Ukambesi: **ZMB**: 5382 - Usa (0324S 3651E): **ZFMK**: 1963.0153 - Usa River: **HNHM**: 2005.69.19, 92.54.1, 98.51.1, 98.53.1 - Usambara mountains (044500S 383000E): **MNHN**: ZM-MO-1897-1510 - Usangi (034200S 374000E): **SMNS**: 4161, 4164, 4165 - Usangi (0342S 3740E): **SMNS**: 4162 - Ushindo: **ZMB**: A.5675 - Uto farm (0312S 3642E): **ZMZ**: 14343, 14344, 14345, 14346, 14348, 15545, 15588, 15589 - Vikindo [forest] (0659S 3917E, 120 m): **ZMB**: 9978, 9979, 9980, 9981, 9982/9983 (Lectotype *Ep[omophorus (Epomophorus)] stuhlmanni*), 9984, 9986, 9988, 9989 - Wetu (0504S 3943E, 0 m): **MCZ**: 33145 - Zanzibar (06 10 S 39 20 E): **BMNH**: 1909.1.4.5; **MCZ**: 21477, 21478; **RBINS**: 187, 187B; **USNM**: 174678; **ZMB**: 10000, 10001, 10002, 2957, 9996.

Uganda:

Bulaganya, cave 3 mi S (ca. 0100N 3400E): **BMNH**: 1964.69, 1964.70 - Butandiga (0112N 3422E, 1743 m): **MCZ**: 31147 - Kabanyolo [mission] (0027N 3237E): **CAS**: 24655, 24656, 24657, 24658, 24659, 24660, 24661, 24662 - Tororo (004105N 341052E, 1185 m): **CAS**: 24647, 24648, 24649, 24650, 24651, 24652, 24653, 24654; **ROM**: 60000, 60001, 60002, 60003, 60004, 60005, 60006, 60007, 60008, 60009, 60010, 60011, 60012.

Zambia:

Unknown locality: **SMF**: 88430 - Abercorn (08 50 S 31 23 E, 1656 m): **BMNH**: 1966.5412 - Ikelenge (11.23S 24.27E): **NHMZ**: 29854 - Jimbe Stream (10 57 S 24 05 E): **MSB**: 34602 - Jumbe river (1317S 3205E): **HZM**: 31.11553 - Kanyale Stream (10.97S 24.12E): **ROM**: 73960 - Kanyale stream (1058S 2407E): **AMS**: M.9948; **HNHM**: 76.149.1; **HZM**: 30.11541 - Naleza (15.45S 27.33E): **CAS**: 15102 - Pwira Pan (1354S 2751E): **NHMZ**: 20323 - Sakeji School (11.12S 24.31E): **NHMZ**: 30286 - Salujinga (1058S 2407E): **NHMZ**: 20243, 20244 - Samfya (11 21 S 29 33 E, 1154 m): **BRTC**: 22827 - Shupanga: **BMNH**: 1864.1.9.35 - Zambezi rapids (1059S 2401E): **HZM**: 18.4368.

Zimbabwe:

Bopoma River Camp, Chimanda (16.5S 31.25E): **NHMZ**: 84333 - Chipinga (2010S 3235E): **TM**: 38451 - Chirinda Forest (20.42S 32.72E): **USNM**: 425264 - Chori Dam, Tokwa Ngarwe (16.75S 32.5E): **NHMZ**: 84325, 84326 - Haroni Forest (20.0S 33.0E): **NHMZ**: 31529 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **ROM**: 64837, 64838 - Nyadiri R. (17.12S 32.12E): **NHMZ**: 32413 - Nyagui R,2 km N of Chenjerai confluence (17.37S 31.62E): **NHMZ**: 32404 - Retreat Farm (2014S 3102E): **ROM**: 64978 - Rusito forest, Rustio River (ca. 195218S 330137E): **TM**: 34794, 34795 - Rusitu Forest (20.03S 32.98E): **NHMZ**: 30048 - Sabi-Lundi [= Save-Runde] R Confluence (21.28S 32.38E): **USNM**: 470238 - Sabi-Lundi confluence (21 18 S 32 24 E): **ROM**: 470239 - Sabi-Lundi junction (2015S 3220E): **USNM**: 470239 - Sengwa Wildlife Research Station (1810S 2813E): **TM**: 34892 - Sentinel Ranch (22 10 10 S 29 30 20 E): **DNSM**: 55; **NHMZ**: 29929 - Umtali Old Mine (18 58 29 S 32 39 20 E, 1094 m): **HZM**: 10.3237, 11.3448, 12.3705.

Epomops Gray, 1866

"Africa":

Unknown locality: **MNHN**: ZM-MO-1985-1184; **ZMA**: MAM.26276.

Congo (Democratic Republic of the):

Kikwit (05 03 44S 18 52 38 E, 438 m): **UNIKIS**: KKT2847, KKT2860 - Rethy (02 05 11 N 030 53 46 E, 2116 m): **UNIKIS**: ITU703, ITU704.

Côte d'Ivoire:

Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1713, ZM-MO-1985-1714.

Gabon:

Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-MO-1983-1241.

Ghana:

Abetifi (06 40 N 00 45 W, 552 m): **CUMV**: 19450.

Niger:

Zinder, near (13 48 N 08 59 E): **MNHN**: ZM-MO-1986-114.

Epomops buettikoferi (Matschie, 1899)

"Africa":

Unknown locality: **ZMA**: MAM.17266, MAM.17267, MAM.17276.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1981-956, ZM-MO-1981-957, ZM-MO-1981-958, ZM-MO-1981-959, ZM-MO-1981-960, ZM-MO-1981-961, ZM-MO-1981-962, ZM-MO-1981-963, ZM-MO-1981-964, ZM-MO-1981-965, ZM-MO-1981-966, ZM-MO-1981-967, ZM-MO-1981-968, ZM-MO-1981-973, ZM-MO-1981-976, ZM-MO-1981-977, ZM-MO-1981-978, ZM-MO-1981-979, ZM-MO-1981-980, ZM-MO-1981-981, ZM-MO-1981-982, ZM-MO-1981-983, ZM-MO-1981-984, ZM-MO-1981-985, ZM-MO-1981-986, ZM-MO-1981-987, ZM-MO-1981-988, ZM-MO-1983-1087, ZM-MO-1985-32, ZM-MO-2001-1517, ZM-MO-2001-1518, ZM-MO-2001-1519; **ORSTOM**: AX0748, AX0751, AX0761, AX0778; **SMF**: 84379, 84380, 91847, 92060, 92061; **ZMA**: MAM.17306, MAM.17307 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **MNHN**: ZM-MO-2001-1514, ZM-MO-2001-1515, ZM-MO-2001-1516; **ORSTOM**: 21.532, A8298, A8362, A8756; **RMCA**: 34994, 34995, 97.079-M-0830, 97.079-M-0831, 97.079-M-0832; **ZMA**: MAM.17275; **ZMB**: 67010 - Adzopé (06 06 25 N 03 51 43 W, 137 m): **ORSTOM**: A9173, A9174, A9175, A9176, A9177, A9178, A9179, A9180, A9181, A9182; **ZMA**: MAM.17295, MAM.17296, MAM.17297, MAM.17298, MAM.17299 - Ahiérémou (06 14 N 04 56 W, 73 m): **ZMA**: MAM.17300, MAM.17301, MAM.17302, MAM.17303 - Ahiérémou (06 14 N 05 56 W, 73 m): **ORSTOM**: 21.809, 21.810, 21.811, 21.812, 21.813, 21.816, 21.818, 21.820 - Banco Forest (0525N 0403W): **USNM**: 429884 - Blékoum (06 22 30 N 03 32 32 W, 94 m): **USNM**: 429885, 429886 - Bolo (08 29 N 07 34 W, 456 m): **ORSTOM**: A9523, A9524, A9527, A9535, A9544; **ZMA**: MAM.17304, MAM.17305 - Déoulé (073023N 073019W, 640 m): **FMNH**: 105294, 105299, 105301 - Diala: **USNM**: 429844 - Duékoué (0644N 0721W): **FMNH**: 105323 - Guéboua (05 59 02 N 05 41 21 W, 227 m): **ORSTOM**: A9129; **ZMA**: MAM.17273 - Guitri: **USNM**: 467872a, 467879 - Konankoffikro (06 58 16 N 05 14 41 W, 217 m): **MNHN**: ZM-MO-1981-969, ZM-MO-1981-970, ZM-MO-1981-971, ZM-MO-1981-972, ZM-MO-1981-974, ZM-MO-1981-975; **ORSTOM**: 21.706, 21.713, 21.714, 21.715, 21.716, 21.718, 21.719, 21.720, 21.721, 21.722, 21.723, 21.724, 21.725; **ZMA**: MAM.17084, MAM.17085, MAM.17086, MAM.17087, MAM.17088, MAM.17089, MAM.17090, MAM.17091, MAM.17092, MAM.17093 - Lamto (06 12 00 N 05 02 00 W): **USNM**: 465740, 465741, 465742, 465743; **ZMA**: MAM.17257, MAM.17258, MAM.17259, MAM.17260, MAM.17261, MAM.17262, MAM.17263, MAM.17264, MAM.17265, MAM.17268, MAM.17269, MAM.17270, MAM.17271, MAM.17272 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1983-1167, ZM-MO-1985-533, ZM-MO-1985-538, ZM-MO-1985-539, ZM-MO-1985-540, ZM-MO-1985-541, ZM-MO-1985-542, ZM-MO-1985-543, ZM-MO-1985-544, ZM-MO-1985-545, ZM-MO-1985-546, ZM-MO-1985-547, ZM-MO-1985-558; **ORSTOM**: 21.539, 21.540, 21.541, 21.542, 21.543, 21.544, 21.545, 21.546, 21.548, 21.549, 21.550, 21.551, 21.552, 21.553, 21.554, 21.555, 21.556, 21.557, 21.558, 21.573, 21.584, 21.586, 21.776, 21.777, 21.778, 21.779, 21.792 - Matonguiné (07 17 20 N 08 02 17 W, 356 m): **ORSTOM**: A9465, A9496, A9501 - Niébé (05 22 N 07 18 W, 132 m): **ORSTOM**: A9240; **USNM**: 465735, 465736, 465738; **ZMA**: MAM.17274 - Soubre: **USNM**: 467876, 467876a - Toumodi (06 33 29 N 05 01 04 W, 252 m): **AMNH**: 239367, 239368 - Toumodi, 5 km SE (ca. 06 33

N 05 01 W): **AMNH**: 239369, 239370, 239371, 239372, 239373, 239374, 239375 - Toyébli (06 37 11 N 08 28 50 W, 211 m): **RMCA**: 34870 - Yapo-Sud (0542N 0405W): **USNM**: 429888, 429891, 429892.

Ghana:

Unknown locality: **BMNH**: 1908.8.6.11, 1977.329 - Ahiriso (0632N 0220W): **USNM**: 414003, 414004, 414005, 414007, 414008 - Bimpong Forest Reserve (05 43 N 01 28 W): **BMNH**: 1966.6241 - Boi-Tano FR, cocoa plantation adjacent to forest edge (0532N 0237W): **ZFMK**: 2003.1037 - Butre (0449N 0155W): **USNM**: 413911, 413914, 413917, 413922, 413923, 413927, 413932, 413933, 413934, 413949, 413950, 413960, 413965, 413967, 414000, 414001 - Jukwa (0515N 0121W): **USNM**: 411563, 411564, 411565, 411566, 411567, 411568, 411569, 411570, 411571, 411572, 411573, 411574, 411575, 411576, 411577, 411578, 411579, 411580, 411581, 411582, 411583, 411584, 411585, 411586, 411590, 411592, 411593, 411596 - Jukwa (051600N 012000W): **USNM**: 4115890, 4115892, 4115893, 4115896 - Kade, 6 mi [=9.7 km] N (06 10 N 00 50 W): **USNM**: 414752 - Kumasi (06 41 N 01 37 W, 246 m): **BMNH**: 1965.684, 1965.685, 1965.739, 1966.6209, 1966.6210, 1966.6211, 1966.6212; **NMBA**: 4108 - Lake Bosumtivi Konlanasi (06 30 00 N 01 25 00 W): **AMNH**: 233870 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 55764 - Prestea, 32 mi W (0523N 0228W): **USNM**: 413887, 413888, 413892, 413893, 413894, 413895, 413896, 413897, 413898, 413899, 413900, 413901, 413902, 413903, 413904, 413905, 413906, 413907, 413908 - Takoradi (04 53 N 01 45 W): **BMNH**: 1966.6215, 1966.6216, 1966.6217 - Volta region: **SMF**: 92116.

Guinea:

Fressoudou (09 08 00 N 08 54 00 W): **MNHN**: ZM-2012-287, ZM-2012-294, ZM-2012-295 - Gbaolé (07 26 30 N 09 14 34 W, 482 m): **MNHN**: ZM-2012-316, ZM-2012-317, ZM-2012-318, ZM-2012-319, ZM-2012-320, ZM-2012-321, ZM-2012-322, ZM-2012-323, ZM-2012-324, ZM-2012-325, ZM-2012-326, ZM-2012-327, ZM-2012-328, ZM-2012-329, ZM-2012-330, ZM-2012-331, ZM-2012-332, ZM-2012-333, ZM-2012-334, ZM-2012-335, ZM-2012-336, ZM-2012-337, ZM-2012-338, ZM-2012-339, ZM-2012-340, ZM-2012-341, ZM-2012-342, ZM-2012-343, ZM-2012-344, ZM-2012-345, ZM-2012-346 - Kankasili (10 11 N 12 29 W): **ZMA**: MAM.10733, MAM.10866, MAM.10867, MAM.10868, MAM.10870, MAM.10872, MAM.10873, MAM.10875, MAM.10877, MAM.10879, MAM.10883, MAM.10885, MAM.10886 - Park National du Haut Niger (ca. 10 17 06 N 10 07 20 W): **ZFMK**: 1997.0435 - Samedou: **MNHN**: ZM-2012-288, ZM-2012-289, ZM-2012-290, ZM-2012-291, ZM-2012-292, ZM-2012-293 - Whiskey 1 (08 32 56 N 08 53 57 W, 1175 m): **ZFMK**: 2008.0276 - Zogota (mine) (ca. 07 53 10 N 09 01 24 W): **MNHN**: ZM-2012-296, ZM-2012-297, ZM-2012-298, ZM-2012-299, ZM-2012-300, ZM-2012-301, ZM-2012-302, ZM-2012-303, ZM-2012-304, ZM-2012-305, ZM-2012-306, ZM-2012-307, ZM-2012-308, ZM-2012-309, ZM-2012-310, ZM-2012-311, ZM-2012-312, ZM-2012-313, ZM-2012-314, ZM-2012-315.

Liberia:

Unknown locality: **BMNH**: 1977.323_1, 1977.323_2, 1977.325_1, 1977.325_2, 1977.325_3, 1977.328, 1979.428_1, 1979.428_2, 1979.428_3, 1979.431, 1979.432, 1979.433, 1979.434_1, 1979.434_2; **RMNH**: MAM.19637; **SMF**: 87662, 87663 - Bendu (06 45 47 N 11 12 48 W, 134 m): **RMCA**: 35642 - Boni Hills logging concession (ca. 0653N 1050W): **AMNH**: 256529 - Bopolu (07 04 00 N 10 29 15 W, 211 m): **RMCA**: 80.043-M-0013, 80.043-M-0014, 80.043-M-0015 - Cape Palmas (042244N 074147W): **USNM**: 38189 - Coffee, Mount (06 29 19 N 10 38 47 W): **RMCA**: 35644 - Division 24 Camp [see: Division Twenty-Four [Labor] Camp] (062637N 102158W): **AMNH**: 167541 - Fapé (07 13 50 N 09 17 04 W, 360 m): **MNHN**: ZM-2012-347, ZM-2012-348, ZM-2012-349, ZM-2012-350, ZM-2012-351, ZM-2012-352, ZM-2012-353, ZM-2012-354, ZM-2012-355, ZM-2012-356, ZM-2012-357, ZM-2012-358, ZM-2012-359, ZM-2012-360, ZM-2012-361, ZM-2012-362, ZM-2012-363, ZM-2012-364, ZM-2012-365, ZM-2012-366 - Firestone Plantation (062400N 102200W): **AMNH**: 207007, 207008, 207009, 207010, 207011, 207012, 207013 - Gabagea River: **AMNH**: 265663 - Gbarnqay (07 04 00 N 10 29 00 W): **RMCA**: 80.043-M-0017, 80.043-M-0018, 80.043-M-0019 - Grand Bassa (05 54 40 N 10 03 45 W, 65 m): **BMNH**: 1908.7.27.1 - Greenville (050040N 090220W, 0 m): **AMNH**: 256531 - Gwene Town (06 44 00 N 11 03 00 W): **RMCA**: 35643 - Harbel (06 16 47 N 10 20 51 W, 95 m): **LACM**: 19584 - Harbel, Firestone Plantations (061647N 102051W): **AMNH**: 204449 - Juarzon (052256N 085044W, 134 m): **AMNH**: 256545, 256546, 256547, 257006 - Mano river (07 30 00 N 10 57 00 W): **RMCA**: 36266, 74.010-M-0003 - Mount Coffee (06 29 19 N 10 38 47 W): **USNM**: 83798 - Mount Nimba (07 30 00 N 08 30 00 W): **BMNH**: 1967.1433, 1967.1434, 1967.1435; **MNHN**: ZM-MO-1987-7; **RBINS**: 16093, 16094, 16095, 16096, 16097, 16098, 16099, 16100, 16101, 16102, 16103 - Muhlenberg Mission (ca. 06 30 N 10 39 W): **RMNH**: MAM.19638 - Mühlenburg-Mission: **RMNH**: MAM.19639a - Schieffelinsville (06 13 17 N 10 32 16 W, 94 m): **RMNH**: MAM.19639, MAM.19639b - St. Paul's River: **USNM**: 37892 - Tappita (06 29 32 N 008 51 37 W, 275 m): **SMF**: 20063 - Tars Town (0613N 0808W): **AMNH**: 239365; **USNM**: 467872, 467872b, 467873, 467874, 467875, 467876b, 467877 - Tchien (06 04 00 N 08 07 41 W, 274 m): **AMNH**: 239366 - Tchien, 25 km N (ca. 06 05 N 08 07 W): **AMNH**: 239364 - Ziggida, 1 km E, 10.5 km N: **AMNH**: 265664 - Zomai (07 36 56 N 09 37 53 W, 303 m): **RMCA**: 36294 - Zozoma (082500N 094700W): **AMNH**: 257004, 257020.

Nigeria:

Arusua (08 42 N 08 09 E, 299 m): **ZMA**: MAM.19084, MAM.19085, MAM.19086 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **BMNH**: 1966.1170 - Ife (07 29 25 N 04 33 07 E): **ZMA**: MAM.19090, MAM.19091, MAM.19092, MAM.19093, MAM.19094, MAM.19095, MAM.19096 - Ilesha (07 37 40 N 04 44 30 E, 508 m): **HZM**: 2.4229 - Pandam Wildlife Park (08 44 N 08 59 E): **ZMA**: MAM.19081, MAM.19082, MAM.19083.

Senegal:

Camp Leclerc (1444N 1728W): **MCZ**: 56602.

Sierra Leone:

Unknown locality: **BMNH**: 1866.2.2.1, 1909.1.4.4, 1947.588, 1947.589, 1950.1891, 1960.146, 1961.25, 1962.1817, 1962.1818, 1962.1819, 1962.302, 1962.303, 1966.221, 1972.4154 - Bo: **HZM**: 1.3483 - Freetown (0830N 1315W): **NMW**: 17866 - Njala (08 07 04 N 12 05 04 W, 67 m): **BMNH**: 1959.201, 1959.202, 1959.203, 1959.204.

Epomops franqueti (Tomes, 1860)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1883-32, ZM-MO-1983-1234, ZM-MO-1983-1235; **ORSTOM**: 4268, 4269, 4270, 4271, 4272, 4274; **ZMA**: MAM.26279 - Sanaga Nyong-Dja: **MNHN**: ZM-MO-1982-955, ZM-MO-1982-956.

Angola:

Canzele (08.38S 15.13E): **FMNH**: 81621, 81622, 81623, 81699, 81700, 81701, 81702, 81703, 81704, 81705, 81706, 81707, 81708, 81709, 81710, 81711 - Dondi (5600 ft): **MVZ**: 88694 - Gabela, 30 km S (11 07 S 14 22 E): **FMNH**: 84021

- Rio Luachimo (0720S 2049E): **YPM**: MAM 000176, MAM 000177 - Salazar [= N'Dalatando], Agronomic Station (09.38S 14.88E): **IICA**: 8020.

Benin:

Groß-Popo [= Grand-Popo] (06 19 N 01 57 E, 63 m): **ZMB**: 10011 - Kpodave (06 49 N 01 46 E): **USNM**: 438854.

Cameroon:

Unknown locality: **BMNH**: 1968.863, 1968.864, 1968.865, 1968.866, 1968.867, 1984.801; **RMCA**: 75.003-M-0035, 75.003-M-0036, 75.003-M-0037; **ZMB**: 4785, 5002, 53916, 67102, 9972, 9973 - Aboulou (02 18 00 N 12 04 00 E, 572 m): **RMCA**: 73.018-M-0041, 73.018-M-0042, 73.018-M-0043, 73.018-M-0044, 73.018-M-0045, 73.018-M-0046, 73.018-M-0047, 73.018-M-0048, 73.018-M-0049, 73.018-M-0050, 73.018-M-0051, 73.018-M-0052, 73.018-M-0053, 73.018-M-0054, 73.018-M-0055, 73.018-M-0056 - Bafut (0605N 1006E, 1231 m): **ROM**: 55887 - Bamenda (0555N 1009E): **ROM**: 54931 - Barombi Kang (0439N 0925E, 458 m): **ROM**: 37852, 37855 - Barombi Kang (0439N 0925E, 549 m): **ROM**: 37773 - Basal Mission (0439N 0926E): **ROM**: 51513, 51523, 51524, 51525, 51526, 51530, 51531, 51532, 51534, 51535, 51536, 51537, 51759, 51760 - Basal Mission (0439N 0926E, 243 m): **ROM**: 55539 - Batanga: **CM**: 7439 - Batouri district (ca. 04 25 N 14 20 E): **BMNH**: 1933.8.4.10, 1933.8.4.9; **PCMB**: 162, 644, 645, 9 - Bertoua, 30 km W (0435N 1325E): **AMNH**: 241013, 241094 - Big farm, Mungo River, east bank (0421N 0930E): **ROM**: 68876, 68881, 68882, 68883, 68898, 68899, 68900, 68906, 68909, 68910, 68911, 68912, 68913, 68914, 68916, 68917, 68918, 68920, 68921 - Bipindi (0305N 1025E): **ZMB**: 1128 - Bipindi, 10 km W (0305N 1025E, ca. 300 m): **ROM**: 56252 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 11280, 40160, 40161, 54198, 54934, 67098, 67101, 67104, 67105 - Bitye (03 01 00 N 12 22 00 E, 616 m): **BMNH**: 1909.10.2.2, 1911.5.5.2, 1923.1.22.6, 1923.1.22.7; **RMCA**: 1471, 1472, 1480, 1481, 1482 - Bitye (03 13 N 12 22 E, 2000 ft): **FMNH**: 29482 - Bota (04 01 43 N 09 11 15 E, 109 m): **BRTC**: 28508, 28509; **ROM**: 43329, 43331, 43332, 43333, 43334, 43337, 43339, 43340, 43340-a, 43341, 43342, 43343, 43346, 43347, 43353, 43354, 43355, 43359, 43360, 43361, 43363, 43364, 46770, 46771, 46772, 46773, 46774, 46775, 46776, 46777, 46778, 50889, 50890, 50891, 50892, 50893, 50894, 50895 - Boteke Village (0406N 0912E): **ROM**: 69065 - Buéa (04 09 34 N 09 14 12 E, 1850 m): **ROM**: 57002, 57004, 57005 - Buéa (04 09 34 N 09 14 12 E, 895 m): **MNHN**: ZM-MO-1979-198, ZM-MO-1979-198BIS - Buéa Station area (0407N 0913E): **ROM**: 68987 - Buea station, 2 km S (0409N 0912E): **ROM**: 68926, 68933, 68934 - Buéa Station, 2 km W (04 09 N 09 12 E): **ROM**: 69002, 69004, 69005, 69006 - Buéa West Farm (0409N 0913E): **ROM**: 68923 - Campo (02 22 00 N 09 49 00 E, 0 m): **RMCA**: 75.056-M-0121, 75.056-M-0122, 75.056-M-0123, 75.056-M-0124, 75.056-M-0125, 75.056-M-0126, 75.056-M-0127, 75.056-M-0128, 75.056-M-0129, 75.056-M-0130, 75.056-M-0131, 75.056-M-0132, 75.056-M-0133, 75.056-M-0134, 75.056-M-0135, 75.056-M-0136, 75.056-M-0137, 75.056-M-0138, 75.056-M-0139, 75.056-M-0140, 75.056-M-0143, 75.056-M-0144, 75.056-M-0145, 75.056-M-0146, 75.056-M-0148, 75.056-M-0149, 75.056-M-0154, 75.056-M-0155, 75.056-M-0156, 75.056-M-0157, 75.056-M-0158, 75.056-M-0159 - CDC Banana Research Station (0409N 0913E): **ROM**: 58300, 58301, 58312, 58313, 58339 - Dimako (04 23 00 N 13 35 00 E, 680 m): **RMCA**: 77.032-M-0159, 77.032-M-0160, 77.032-M-0161 - Djaposten (03 25 00 N 13 32 00 E, 719 m): **RMCA**: 75.056-M-0105, 75.056-M-0106, 75.056-M-0107, 75.056-M-0108, 75.056-M-0109, 75.056-M-0110, 75.056-M-0111, 75.056-M-0112, 75.056-M-0113, 75.056-M-0114, 75.056-M-0115, 75.056-M-0116, 75.056-M-0117, 75.056-M-0118, 75.056-M-0119, 75.056-M-0120 - Dokoa (04 22 00 N 11 44 00 E, 469 m): **RMCA**: 73.029-M-0102 - Douala airport (04 04 N 09 43 E): **ROM**: 37856, 37857, 37858, 37859, 37860, 37861, 37863, 37864, 37865, 37866, 37867, 37869, 37870 - Douala airport, 5 km E (04 04 N 09 43 E): **ROM**: 39384, 39385, 39386 - Ebogo (03 24 00 N 11 28 00 E, 316 m): **RMCA**: 73.018-M-0028, 73.018-M-0029, 73.018-M-0030, 73.018-M-0031, 73.018-M-0032, 73.018-M-0033, 73.018-M-0228, 73.029-M-0048, 73.029-M-0049, 73.029-M-0050, 73.029-M-0051, 73.029-M-0052, 73.029-M-0053, 73.029-M-0054, 73.029-M-0055 - Ekona (0415N 0919E): **ROM**: 39060, 46859, 58372 - Elat: **CM**: 2608 - Eseka (033900N 104600E): **RMCA**: 75.003-M-0001, 75.003-M-0002, 75.003-M-0003, 75.003-M-0004, 75.003-M-0005, 75.003-M-0006, 75.003-M-0007, 75.003-M-0008, 75.003-M-0009, 75.003-M-0010, 75.003-M-0011, 75.003-M-0012, 75.003-M-0013, 75.003-M-0014, 75.003-M-0015, 75.003-M-0016, 75.003-M-0017, 75.003-M-0018, 75.003-M-0019, 75.003-M-0020, 75.003-M-0021, 75.003-M-0022, 75.003-M-0023, 75.003-M-0024, 75.003-M-0132, 75.003-M-0133, 75.004-M-0001, 75.004-M-0002, 75.004-M-0003, 75.004-M-0004 - Eséka (0340N 1045E): **AMNH**: 236257, 236258, 236259, 238280 - Eseka, 5 km SW (0337N 1045E): **CM**: 40978 - Eséka, 6 km SE (ca. 0340N 1045E): **AMNH**: 236260, 236261, 236262, 236263, 236264, 236265, 236266 - Eséka, 7 km N (ca. 0340N 1045E): **AMNH**: 236267, 236268 - Eséka, 8 km SW (ca. 0340N 1045E): **AMNH**: 236269 - Essosong (0454N 0945E, 457 m): **ROM**: 39073 - Eyen Meyong (04 11 00 N 11 13 00 E, 484 m): **RMCA**: 74.009-M-0007, 74.009-M-0008 - Garoua, 25 mi S: **BMNH**: 1934.11.22.3 - Great Soppo (0409N 0912E): **FMNH**: 106560, 106561, 106562; **ROM**: 55546, 55547, 55551, 55566, 55567, 55568, 55569, 55570, 68992 - Great Soppo Forest (040917N 091434E, 824 m): **ROM**: 56908, 56912, 56913, 56914, 56915, 56916, 56924, 56980, 56981, 56982, 56983 - Keboko, 8 km W: **ROM**: 55607, 55608, 55609, 55610, 55634 - Kiribi, 14 km N (0304N 0954E): **ROM**: 56270 - Kiribi, 9 km N (0301N 0954E): **ROM**: 56265, 56279 - Klein Batonga: **ZMB**: 67103 - Kloa (0439N 0926E): **ROM**: 51503 - Kombé-Tiko (04 40 00 N 14 35 00 E, 676 m): **RMCA**: 76.014-M-0020, 76.014-M-0021, 76.014-M-0094 - Kounden (05 42 00 N 10 40 00 E, 1326 m): **MNHN**: ZM-MO-1979-195; **RMCA**: 76.014-M-0011, 76.014-M-0012, 76.014-M-0013, 76.014-M-0014, 76.014-M-0015 - Koutaba (05 42 N 10 49 E, 1113 m): **MNHN**: ZM-MO-1979-193, ZM-MO-1979-194 - Kribi (0255N 0955E): **ROM**: 37758, 54937, 54938, 54939 - Kribi (0258N 0955E): **ZMB**: 9041 - Kribi, 8 km SE (0256N 0956E): **ROM**: 56276, 56277, 56278 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 51762, 51931, 55524, 55525, 55530, 55531, 55536, 55541, 55542, 55543; **USNM**: 511902, 511903, 511904, 511905, 511940, 511941 - Kumba region (0439N 0925E): **ROM**: 51484, 51504, 51505, 51506, 51507, 51508, 51509, 51522, 51538, 51543, 51544, 51549, 51550, 51551, 51552, 51555, 51556, 51557, 51561, 51562, 51563, 51564, 51565, 51566, 51567, 51570, 51588, 51590, 51594, 51595, 51598, 51599, 51600, 51601, 51602, 51603, 51604, 51606, 51612, 51613, 51614, 51615, 51617 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55743, 55744, 55761, 55779 - Lake Baromi,Johan-Albrechtshöhe (0438N 0923E, 210 m): **ZMB**: 54425 - Lékoun (04 13 00 N 11 14 00 E, 499 m): **RMCA**: 74.009-M-0004 - Lolodorf (031400N 104400E): **CM**: 13172, 13173, 16060, 2869, 3026, 3920, 4617, 4622, 5627, 6135, 6136, 6137 - Lolodort (0316N 1049E): **ROM**: 39387, 39388, 39389, 39390, 39391 - Lomié (03 10 00 N 13 37 00 E, 611 m): **RMCA**: 75.056-M-0102, 75.056-M-0103 - Lomié, 40 km N (03 09 N 13 35 E): **ROM**: 57137, 57138, 57139, 57140, 57141, 57142, 57143, 57147, 57155, 57156, 57157 - Longji (0304N 0959E): **ZMB**: 54933 - Mabetta [= Maneta] (04 00 N 09 15 E): **ROM**: 39066, 39067, 39068, 39069 - Malako River (0427N 1137E): **ROM**: 56125, 56126, 56127 - Mamfe (05 46 00 N 09 17 00 E, 459 m): **RMCA**: 73.029-M-0044, 73.029-M-0045, 73.029-M-0091 - Mamfe, 12 km SE (ca. 05 47 N 09 18 E): **AMNH**: 241014, 241015 - Mamfe, 15 km SE (ca. 05 40 N 09 23 E): **AMNH**: 241009; **TTU**: 17943, 17944, 17945, 17946 - Mana bridge (05 00 28.4 N 08 52 16.9 E): **MNHN**: ZM-2011-640, ZM-2011-641, ZM-2011-642, ZM-2011-643, ZM-2011-644, ZM-2011-645, ZM-2011-646 - Mang (03 20 00 N 14 02 00 E, 608 m): **RMCA**: 75.056-M-0077, 75.056-M-0078, 75.056-M-0079, 75.056-M-0080, 75.056-M-0084, 75.056-M-0085, 75.056-M-0088, 75.056-M-0089, 75.056-M-0090, 75.056-M-0091, 75.056-M-0092, 75.056-M-0094, 75.056-M-0099, 75.056-M-0100, 75.056-M-0101 - Mawutu Village: **ROM**: 69137, 69139 -

Mbouda, 15 km SSE (0538N 1015E): **ROM**: 55834, 55835, 55850 - Meanja (0416N 0924E): **ROM**: 69090 - Melen (03 51 00 N 11 31 00 E): **RMCA**: 73.029-M-0043 - Mesea (03 00 00 N 14 06 00 E): **RMCA**: 77.032-M-0122, 77.032-M-0123, 77.032-M-0124, 77.032-M-0125, 77.032-M-0126, 77.032-M-0127, 77.032-M-0128, 77.032-M-0129, 77.032-M-0130, 77.032-M-0131, 77.032-M-0132, 77.032-M-0133, 77.032-M-0134, 77.032-M-0135, 77.032-M-0136, 77.032-M-0137, 77.032-M-0138, 77.032-M-0139, 77.032-M-0140, 77.032-M-0141, 77.032-M-0142, 77.032-M-0143 - Metchum River (0651N 0948E): **ROM**: 55869, 55870 - Metet (0326N 1143E): **MCZ**: 14642, 14777, 14778, 17540, 17541 - Meyo Nkoulou (02 16 00 N 11 02 00 E): **RMCA**: 73.018-M-0025, 73.018-M-0026, 73.018-M-0027, 73.018-M-0183 - Miéri (04 15 00 N 13 59 00 E, 611 m): **RMCA**: 76.014-M-0016, 76.014-M-0017, 76.014-M-0018, 76.014-M-0019 - Moliko, CDC Banana plantation (0409N 0912E): **ROM**: 55586, 55587, 55588 - Mount Cameroon (0413N 0910E, 1768 m): **USNM**: 318301 - Mount Manengouba (0500N 0950E, 1000 m): **MNHN**: ZM-MO-1979-183, ZM-MO-1979-184, ZM-MO-1979-185 - Mpundu (0413N 0924E): **ROM**: 56930, 58376 - Mukonje (04 35 02 N 09 30 18 E, 113 m): **ROM**: 39070 - Mungo Anchoncho [Moungo river?] (0403N 0933E): **ZMB**: 5001 - Muyuka [= Muea] (0415N 0924E): **ROM**: 54913, 54914, 54915, 58281, 58282, 58284, 58286, 58287, 58288, 58289, 58290 - Mvenge, 6 km W (0317N 1101E): **ROM**: 56206, 56210 - Mvengue, 3 km W, 1 km N (0316N 1100E): **ROM**: 56224, 56229, 56230 - Nemeyong I (03 19 N 12 55 E, 642 m): **MNHN**: ZM-2011-647 - Ngoumé (05 29 00 N 11 24 00 E, 681 m): **RMCA**: 77.032-M-0156, 77.032-M-0157, 77.032-M-0158 - Nguilili (02 07 00 N 15 20 00 E): **RMCA**: 77.032-M-0144, 77.032-M-0145, 77.032-M-0146, 77.032-M-0147, 77.032-M-0148, 77.032-M-0149, 77.032-M-0150, 77.032-M-0151, 77.032-M-0152, 77.032-M-0153, 77.032-M-0154, 77.032-M-0155 - Nkoélon village (02 23.831 N 10 02.691 E): **MNHN**: ZM-2011-648, ZM-2011-649, ZM-2011-650, ZM-2011-651, ZM-2011-652, ZM-2011-653 - Nkometou (04 03 00 N 11 33 00 E, 613 m): **RMCA**: 73.015-M-0077, 73.015-M-0078, 73.015-M-0079, 73.015-M-0080, 73.015-M-0081, 73.015-M-0082 - Ntui, 11 km N (ca. 04 27 N 11 38 E): **MNHN**: ZM-MO-1979-179, ZM-MO-1979-180 - Ntui, 7 km N (ca. 04 27 N 11 38 E): **MNHN**: ZM-MO-1979-181 - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 55632, 55633, 56131, 56134, 56146, 56156 - Okola: **TTU**: 17947 - Olangina: **PCMB**: PC 143 - Olounou (02 49 00 N 12 08 00 E, 658 m): **RMCA**: 73.016-M-0109, 73.016-M-0110, 73.016-M-0685 - Oveng (02 25 00 N 12 16 00 E, 608 m): **RMCA**: 73.018-M-0034, 73.018-M-0035, 73.018-M-0036, 73.018-M-0037, 73.018-M-0038, 73.018-M-0039, 73.018-M-0040 - Sakbayeme (0402N 1034E): **FMNH**: 43575; **MCZ**: 19396 - Sangmelima (0256N 1159E): **CM**: 10312, 10313, 10314, 9508 - small Soppo (0407N 0912E): **ROM**: 69025, 69026 - Somalomo (03 23 N 12 44 E, 629 m): **ZMA**: MAM.23525, MAM.23526, MAM.23527, MAM.23528, MAM.23529, MAM.23530, MAM.23531, MAM.23532, MAM.24105, MAM.24106, MAM.24107 - Sou Mou River (0315N 1124E): **ROM**: 56170, 56171, 56172, 56191, 56192, 56193, 56194, 56199, 56200, 56201, 56202, 56203 - Tisongo, Lake (0325N 0954E): **USNM**: 511906, 511907, 511942, 511943, 511944 - Tombel (0446N 0938E): **ROM**: 43336 - Tonde (04 55 00 N 13 54 00 E): **RMCA**: 73.029-M-0042 - Tote Tea Forest (0409N 0913E): **ROM**: 56991, 56994, 56997 - Victoria (04 00 36 N 09 09 36 E): **ZMB**: 40, 53871, 53872, 67052, 9040 - Yabassi (04 27 16 N 09 57 56 E, 16 m): **RMCA**: 73.029-M-0090 - Yaoundé (035200N 113100E, 726 m): **MNHN**: ZM-MO-1983-1168, ZM-MO-1983-1169, ZM-MO-1983-1228 - Yaounde (0352N 1131E): **ZMB**: 10029 - Yaounde (0352N 1131E, 1025 m): **ZMB**: 10026, 54520 - Yaounde (0352N 1131E, 726 m): **MNHN**: ZM-MO-1979-182, ZM-MO-1979-186, ZM-MO-1979-187, ZM-MO-1979-188, ZM-MO-1979-189, ZM-MO-1979-190, ZM-MO-1979-191, ZM-MO-1979-192, ZM-MO-1979-196, ZM-MO-1979-197, ZM-MO-1979-199, ZM-MO-1979-200, ZM-MO-1979-201, ZM-MO-1979-202, ZM-MO-1979-203, ZM-MO-1979-204, ZM-MO-1979-205, ZM-MO-1979-206, ZM-MO-1979-207 - Yoko, 5 km S (ca. 05 32 N 12 19 E): **MNHN**: ZM-MO-1979-208, ZM-MO-1979-209, ZM-MO-1979-210 - Zoulabot II (02 54 00 N 13 53 00 E, 517 m): **RMCA**: 75.056-M-0050, 75.056-M-0051, 75.056-M-0052, 75.056-M-0053, 75.056-M-0054, 75.056-M-0055, 75.056-M-0056, 75.056-M-0057, 75.056-M-0058, 75.056-M-0059, 75.056-M-0060, 75.056-M-0063, 75.056-M-0065, 75.056-M-0066, 75.056-M-0067, 75.056-M-0068, 75.056-M-0069, 75.056-M-0071, 75.056-M-0173, 75.056-M-0174.

Central African Republic:

Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-1975-1067, ZM-MO-1975-1068 - Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268351, 268352, 268353, 268354, 268355, 268356, 269902, 269916 - Kpoka cave (case?) (03 50 N 17 18 E): **MNHN**: ZM-2011-687, ZM-2011-688, ZM-2011-689, ZM-2011-692, ZM-2011-693, ZM-2011-694 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1981-610, ZM-MO-1981-611, ZM-MO-1981-612, ZM-MO-1981-613, ZM-MO-1983-1174, ZM-MO-1983-1175, ZM-MO-1983-1176, ZM-MO-1983-1177, ZM-MO-1983-1180, ZM-MO-1983-1181, ZM-MO-1983-1182, ZM-MO-1983-1183, ZM-MO-1983-1184, ZM-MO-1983-1185, ZM-MO-1983-1490 - Mongoumba (03 38 30 N 18 35 37 E, 337 m): **MNHN**: ZM-2011-690, ZM-2011-695, ZM-2011-696, ZM-2011-697, ZM-2011-698, ZM-2011-699, ZM-2011-700, ZM-2011-701 - Nguerengou (06 32 36 N 22 38 30 E): **MNHN**: ZM-2011-691 - Njia: **ZMB**: 20854.

Congo:

Unknown locality: **MNHN**: ZM-MO-1983-1187; **SMF**: 88514, 88515 - Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: ZM-MO-1983-1227, ZM-MO-1983-1229, ZM-MO-1983-1230, ZM-MO-1983-1231, ZM-MO-1983-1232, ZM-MO-1983-1233; **ZMA**: MAM.15643, MAM.15644, MAM.15645, MAM.15646, MAM.15647 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1962-2611, ZM-MO-1983-1188, ZM-MO-1983-1189 - Komono (031639S 131334E, 460 m): **AMNH**: 120321 - Mboko (00 31 54 N 14 51 44 E): **MNHN**: ZM-MO-1996-2472 - Odzala National Park (00 53 31 N 14 50 18 E): **MNHN**: ZM-MO-1983-1186 - Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15641, MAM.15642 - Sibiti (03 41 09 S 13 20 45 E, 440 m): **MNHN**: ZM-MO-1983-1190, ZM-MO-1983-1191, ZM-MO-1983-1192, ZM-MO-1983-1193 - Stanley pool (04 11 22 S 15 26 19 E): **MNHN**: ZM-MO-1983-1001, ZM-MO-1983-1002, ZM-MO-1983-1003, ZM-MO-1983-1004, ZM-MO-1983-1005.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 33602, 77.021-M-0017, 77.021-M-0018, 78.020-M-0002, 88.011-M-0010, a1.097-M-3172; **RMNH**: MAM.16345 - Aketi (02 50 N 23 56 E, 500 m): **UNIKIS**: AKETI616, AKETI617 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 48658, 48727, 48728, 48729, 48730, 48731; **RMCA**: 1421, 1599, 1600 - Avakubi, near (01 20 N 27 35 E): **HZM**: 31.7858 - Bakwakenge (04 51 00 S 22 04 00 E, 461 m): **RMCA**: 80.013-M-0007, 80.013-M-0010 - Baliko (00 16 00 S 20 49 00 E, 388 m): **RMCA**: a1.097-M-0417, a1.097-M-0418, a1.097-M-0419, a1.097-M-0420, a1.097-M-0421 - Baliko (00 16 S 20 49 E, 358 m): **FMNH**: 219582, 219583, 219584, 219585, 219586 - Bambesa (03 28 00 N 25 43 00 E, 614 m): **RMCA**: 14797a, 14797b - Bas Congo (former) province (ca. 050000S 150000E): **RMCA**: 22716 - Befale (00 28 00 N 20 58 00 E, 393 m): **RMCA**: 9342 - Bena Mbala (06 48 00 S 23 47 00 E): **RMCA**: 84.035-M-0023 - Bene Longo (04 52 00 S 21 40 00 E): **RMCA**: 79.022-M-0003, 80.013-M-0011 - Beni (00 30 00 N 29 28 00 E, 853 m): **NMW**: 4879 - Beyi - Kalonji (05 49 00 S 22 30 00 E): **RMCA**: 80.020-M-0002 - Bitale (02 13 00 S 28 38 00 E): **RMCA**: 36233 - Boangi (015100S 205600E, 419 m): **RMCA**: 22186, 22187 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 17335, 34163, 38649, 38654, 38655, 38656 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 20219, 20220, 20221, 20393 - Bokungu (004100S 221900E, 402 m): **RMCA**: 18844a, 19659 - Bomane (01 18 N 23 47 E, 429 m): **UNIKIS**:

CRT2063, CRT2065, CRT2066, CRT2131, CRT2132, CRT2133, CRT2142, CRT2173, CRT2176, CRT2180, CRT2183, CRT2198, CRT2199 - Bombanga - Bumba (02 48 00 N 22 16 00 E): **RMCA**: 88.011-M-0011 - Bombo Lumene (03 58 00 S 15 59 00 E): **RMCA**: 92.119-M-0005, 92.119-M-0006 - Bongale (060000S 184100E): **RMCA**: 20559 - Bonzale (02 57 31 N 19 22 06 E): **MHNG**: 1870.042 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 11827, 12565, 12566, 12567, 12568, 12569, 12858, 12859, 13306, 13307, 13854, 14841, 17304, 18835, 9388 - Butembo (0009N 2917E, 1760 m): **RMCA**: 22814b - Byonga (03 21 00 S 28 08 00 E): **RMCA**: 31402, 32400, 32401, 33284, 33286, 34798, 34799, 38623 - Dimbelenge (05 33 00 S 23 07 00 E, 682 m): **RMCA**: 80.042-M-0005, 80.042-M-0006 - Djabir (00 32 N 24 05 E, 437 m): **UNIKIS**: DJB002, DJB005, DJB021, DJB059, DJB066, DJB069, DJB072, DJB073, DJB074, DJB075, DJB148, DJB150, DJB151, DJB168, DJB171 - Epulu (01 23 45 N 28 34 40 E, 750 m): **UNIKIS**: EPLU631, EPLU633, EPLU634, EPLU653, EPLU655, EPLU656, EPLU657, EPLU661, EPLU678, EPLU692, EPLU693, EPLU697, EPLU698, EPLU701 - Epulu (012345N 283440E, 750 m): **RMCA**: 27751 - Epulu, 2 km W (ca. 012345N 283440E, 750 m): **FMNH**: 149391 - Faradje (03 44 00 N 29 43 00 E, 775 m): **UNIKIS**: CRT801/G63, CRT802, CRT803, CRT804, CRT805, CRT807, CRT808/G62, CRT809, CRT810, CRT811, CRT812, CRT814, CRT816, CRT817, CRT818/G64, CRT819/G61, CRT820, CRT821/G70 - Fort Beni (00 26 N 33 00 E, 585 m): **BMNH**: 1906.12.4.59 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 11659 - Gemena (03 15 00 N 19 46 00 E, 555 m): **RMCA**: 28087 - Ibembo (0238N 2337E, 420 m): **RMCA**: 20204 - Ikela (011100S 231600E, 425 m): **RMCA**: 27016 - Île Mafi (00 28 20 N 25 17 00 E): **UNIKIS**: CHIMA13, CHIMA31, CHIMA32, CHIMA33, CHIMA39 - île Mbiye (00 27 50 N 25 17 14 E, 413 m): **RMCA**: a1.097-M-3176, a1.097-M-3177, a1.097-M-3178, a1.097-M-3179; **UNIKIS**: CHIM010/14, CHIM05/14, CHIM06, CHIM08, CHIM09/14, CHIM46, CHIM49 - Inkongo (04 53 00 S 23 18 00 E, 400 m): **BMNH**: 1917.1.21.2 - Irangi (01 54 S 28 27 E): **ZMA**: MAM.24190, MAM.24191, MAM.24192 - Irangi (0154S 2827E): **SMF**: 31834, 31835 - Isai River (01 24 N 28 04 E): **HZM**: 20.7833, 23.7836, 29.7856, 32.7859 - Isoga (03 20 00 S 28 12 00 E, 1266 m): **RMCA**: 32402 - Ituri River (01 00 00 N 29 16 00 E): **BMNH**: 1930.11.11.66, 1930.11.11.67, 1930.11.11.68 - Ituri River (ca. 0120N 2735E): **BMNH**: 1930.11.11.69 - Ituri River, Bridge (01 20 N 27 35 E): **HZM**: 16.7829, 22.7835, 25.7838 - Kagada (03 11 00 S 28 20 00 E): **RMCA**: 21952 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 20431, 23424, 28886, 30556, 31346, 31403, 31662, 31663, 34209, 35066, 35067, 35068, 35069, 35072, 35512 - Kamueshi (06 12 00 S 21 26 00 E, 608 m): **RMCA**: 79.032-M-0001, 79.032-M-0016 - Kasai (ca. 06 00 S 22 00 E): **RMCA**: 83.025-M-0011, 83.025-M-0012, 83.025-M-0013, 83.025-M-0014, 83.025-M-0015, 83.025-M-0016, 83.025-M-0017, 83.025-M-0018, 83.025-M-0024 - Kasebere (01 49 00 S 28 45 00 E): **RMCA**: 36220, 36222, 36223, 38563, 38572, 38587 - Katabayi (06 11 00 S 21 20 00 E): **RMCA**: 79.032-M-0017 - Katende falls (05 46 00 S 21 40 00 E, 647 m): **RMCA**: 26554 - Katshungu (02 27 00 S 27 23 00 E, 1013 m): **RMCA**: 79.010-M-0001, 79.010-M-0002, 79.010-M-0003 - Keseki (02 07 00 S 16 32 00 E, 308 m): **RMCA**: 17400 - Kikole-Pecheur: **SMF**: 58070, 58071, 58072 - Kimpoko (04 14 04 S 15 33 01 E, 294 m): **NMW**: 25774; **RMCA**: 80.038-M-0001 - Kinda (04 47 00 S 21 48 00 E, 470 m): **RMCA**: 79.022-M-0004 - Kingulube (02 38 57 S 28 01 17 E, 1238 m): **RMCA**: 35506 - Kinshasa (04 19 47 S 15 18 54 E, 240 m): **AMNH**: 48712; **FMNH**: 125133; **HZM**: 26.7853, 27.7854, 33.7860, 8.7807; **ZMA**: MAM.11169 - Kinshasa City province: **SMF**: 93241, 93242 - Kinzambi mission (04 58 38 S 18 46 28 E, 312 m): **MSB**: 274829 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 86.024-M-0003, 86.024-M-0004, 87.010-M-0001, 87.010-M-0011, 87.010-M-0012 - Kisingani (00 31 00 N 25 12 00 E, 447m): **HZM**: 12.7811, 13.7812 - Kitutu (03 17 14 S 28 05 08 E, 1040 m): **RMCA**: 32403, 32404, 32405 - Kivu region: **SMF**: 31833 - Koloka (03 23 N 24 30 E): **SMF**: 6357 - Kona (02 02 N 22 47 E): **UNIKIS**: CRT1917, CRT1921, CRT1929, CRT1939, CRT1940, CRT1978, CRT1984, CRT1999, CRT2000, CRT2011, CRT2012, CRT2014 - Kongolo, island (00 03 00 N 25 12 00 E): **RMCA**: 90.042-M-0229 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 7773, 9711 - Lai Lay (01 56 55 S 28 34 19 E, 1276 m): **ZMA**: MAM.24562, MAM.24563 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 1538f, 17336, 17356b, 17616b, 17798, 5381 - Lieki (00 41 11 N 24 11 00 E, 508 m): **UNIKIS**: CRT2036 - Lovanium university (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 31190, 31191, 31192, 31193, 31194, 31195, 31196, 32589, 32590, 32591, 32592, 32593, 32594, 32595, 32596, 32597, 32598, 32599, 32600 - Luebo (050200S 213300E, 478 m): **RMCA**: 6646 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86765, 86906 - Lukonga (05 48 00 S 22 37 00 E, 632 m): **RMCA**: 79.022-M-0002, 80.013-M-0008, 80.013-M-0009, 80.013-M-0012 - Lulua (05 53 45 S 22 25 04 E, 608 m): **RMCA**: 77.015-M-0001, 77.015-M-0002 - Luluabourg (055345S 222504E, 608 m): **AMNH**: 207739; **BMNH**: 1926.7.6.55, 1926.7.6.56; **RMCA**: 31548, 31551, 31552, 31553, 31555, 31556, 31558, 31559, 31560, 32652, 32653, 32654, 32663, 32664, 32665, 32690, 33390, 33391, 33392, 33393, 33394, 33395, 33396, 33397, 33398, 33399, 33400, 33401, 33402, 33403, 33404, 33405, 33406, 33646, 33647, 33648, 34405b, 35796, 38815 - Lwana (river) (ca. 01 56 17 S 28 28 19 E): **ZMA**: MAM.24561 - Maboya (00 19 00 N 29 20 00 E, 1374 m): **RMCA**: 36221, 38564, 38570 - Make (04 36 00 S 15 10 00E): **RMCA**: 92.148-M-0002, 93.097-M-0022 - Malandje (05 56 22 S 22 17 57 E, 608 m): **ZMB**: 10031 - Mambaka (00 51 00 N 27 33 00 E): **BMNH**: 1914.4.8.2; **RMCA**: 1601, 1602, 1603, 1604, 3448, 3449 - Mandima (ca. 01 21 00 N 29 03 00 E): **MHNG**: 1872.036, 1872.037, 1872.038, 1872.039 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 87.010-M-0003, 87.010-M-0004, 87.010-M-0005, 93.079-M-0001, 93.079-M-0002, 93.079-M-0003, 93.079-M-0004, 93.079-M-0005, 93.079-M-0006, 93.079-M-0007, 93.079-M-0008, 93.079-M-0009, 93.079-M-0010, 93.079-M-0011, 93.079-M-0012, 93.079-M-0013, 93.079-M-0014, 93.079-M-0015, 93.079-M-0016, 93.079-M-0017, 93.079-M-0018, 93.079-M-0019, 93.079-M-0020, 93.079-M-0021, 93.079-M-0022, 93.079-M-0023, 93.079-M-0024, 93.079-M-0025, 93.079-M-0126, 93.079-M-0127, 93.079-M-0128, 93.079-M-0129, 93.079-M-0130, 93.079-M-0131, 93.079-M-0132, 93.079-M-0133, 93.079-M-0134, 93.079-M-0135, 93.079-M-0136, 93.079-M-0137, 93.079-M-0138, 93.079-M-0139, 93.079-M-0140, 93.079-M-0141, 93.079-M-0142, 93.079-M-0143, 93.079-M-0144, 93.079-M-0145, 93.079-M-0146, 93.079-M-0147, 93.079-M-0148, 93.079-M-0149, 93.079-M-0150, 93.079-M-0151, 93.079-M-0152, 93.079-M-0153, 93.079-M-0154, 93.079-M-0155, 93.079-M-0156, 93.079-M-0157, 93.079-M-0158, 93.079-M-0159, 93.079-M-0160, 93.079-M-0161, 93.079-M-0162, 93.079-M-0163, 93.079-M-0164, 93.079-M-0165, 93.079-M-0166, 93.079-M-0167, 93.079-M-0168, 93.079-M-0169, 93.079-M-0172, 93.079-M-0173, 93.079-M-0174, 93.079-M-0175, 93.079-M-0176, 93.079-M-0177, 93.079-M-0178, 93.079-M-0179, 93.079-M-0180, 93.079-M-0181, 93.079-M-0182, 93.079-M-0183, 93.079-M-0184, 93.079-M-0185, 93.079-M-0186, 93.079-M-0187, 93.079-M-0188, 93.079-M-0189, 93.079-M-0190, 93.079-M-0191, 93.079-M-0192, 93.079-M-0193, 93.079-M-0194, 93.079-M-0195, 93.079-M-0196, 93.079-M-0197, 93.079-M-0198, 93.079-M-0199, 93.079-M-0200, 93.079-M-0201, 93.079-M-0202, 93.079-M-0203, 93.079-M-0204, 93.079-M-0205, 93.079-M-0206, 93.079-M-0207, 93.079-M-0208, 93.079-M-0209, 93.079-M-0210, 93.079-M-0211, 93.079-M-0212, 93.079-M-0213, 93.079-M-0262, 93.079-M-0263, 93.079-M-0264, 93.079-M-0265, 93.079-M-0266, 93.079-M-0271, 93.079-M-0279, 93.079-M-0282, 93.079-M-0283, 93.079-M-0314 - Masako (00 36 N 25 13 E): **UNIKIS**: CHMS068 - Matadi (05 49 00 S 13 27 00 E, 18 m): **RMCA**: 87.019-M-0001, 87.019-M-0002, 87.019-M-0003, 87.019-M-0004 - Mawambi (01 04 00 N 28 34 00 E, 653 m): **RMCA**: 3450 - Mbwambala (05 03 00 S 18 55 00 E): **RMCA**: 97.021-M-0748 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48713, 48714, 48715, 48716, 48719, 48721, 48722, 48723, 48726, 49205, 51309; **BMNH**: 1919.5.8.9; **RMCA**: 12358, 12398, 4331 - Mistandunga (02 05 00 S 16 22 00 E, 228 m): **AMNH**: 86766, 86767, 86907 - Moera (00

39 00 N 29 30 00 E, 1000 m): **NMW**: 4878 - Mudina Ndemba (05 30 00 S 22 16 00 E): **RMCA**: 75.061-M-0001, 75.061-M-0002, 75.061-M-0003, 75.061-M-0004, 75.061-M-0005, 75.061-M-0006 - Mulongo (07 50 S 27 00 E, 578 m): **RMCA**: 10514 - Mutsora (00 19 00 N 29 44 00 E, 1200 m): **INPBC**: W703; **RBINS**: 13327 - Mutwanga (00 20 N 29 45 E, 1338 m): **RBINS**: 13326 - Mutwanga (002000N 294500E, 1338 m): **INPBC**: W1283 - Ndomo (00 19 00 N 29 20 00 E): **RMCA**: 38574 - Nganza rivier (05 57 01 S 22 21 40 E): **RMCA**: 35277a - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 48717 - Niapu (02 25 00 N 26 28 00 E, 619 m): **AMNH**: 48724, 49196, 51308 - Nkiene (04 10 S 15 55 E): **RMCA**: 80.053-M-0002, 80.053-M-0003, 80.053-M-0004, 80.053-M-0005, 80.053-M-0006, 80.053-M-0007, 80.053-M-0008, 80.053-M-0009, 80.053-M-0010, 80.053-M-0011, 80.053-M-0012 - Nshamba (055300S 222600E): **RMCA**: 35798 - Obenge (01 23 S 025 02 E): **UNIKIS**: TLL351, TLL352, TLL353, TLL355, TLL360, TLL362, TLL372, TLL373, TLL378, TLL379, TLL380, TLL394, TLL416 - Omaniumdu (03 21 00 S 23 16 00 E, 464 m): **RMCA**: 34353 - Panga (01 51 00 N 26 25 00 E, 434 m): **RMCA**: 9139, 9140 - Paulis (0246N 2737E, 730 m): **RMCA**: 17927, 17928 - Pidigala Nord river (04 37 N 29 42E): **RBINS**: 13501 - Pili Pili (00 33 00 N 27 44 00 E): **RMCA**: 1605, 3447 - Quatorze (00 10 04 N 20 55 34 E, 326 m): **FMNH**: 222414, 222415 - Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL483, RBTL484, RBTL485, RBTL496, RBTL500, RBTL501, RBTL506, RBTL507, RBTL508, RBTL509, RBTL511, RBTL513, RBTL517, RBTL518, RBTL519, RBTL523, RBTL524, RBTL525, RBTL526, RBTL527, RBTL531, RBTL532, RBTL533, RBTL535, RBTL536, RBTL537, RBTL538, RBTL539, RBTL543, RBTL544, RBTL545, RBTL546, RBTL552, RBTL553, RBTL559, RBTL560, RBTL561, RBTL565, RBTL566, RBTL567, RBTL568, RBTL569, RBTL570, RBTL571, RBTL572, RBTL573, RBTL574, RBTL578, RBTL579, RBTL580, RBTL581, RBTL582 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V1626; **RMCA**: 37115 - Semliki River, banks (00 45 00 N 29 50 00 E): **RMCA**: 12165 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 35797 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **AMNH**: 49203, 49206; **BMNH**: 1914.4.8.1; **RMCA**: 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1420, 1530a, 1531 - Tandala (02 58 00 N 19 21 00 E, 456 m): **MHNG**: 1870.040; **USNM**: 463474 - Teturi (01 04 00 N 29 08 00 E, 766 m): **RBINS**: 7044, 7052, 7053 - Tingasi (03 24 00 N 27 55 00 E): **BMNH**: 1887.12.1.26 - Topetope (02 16 00 S 28 03 00 E): **RMCA**: 34380b - Tshibasha (05 50 00 S 22 25 00 E): **RMCA**: 36250b - Tshibashi (river) (05 45 00 S 22 08 00 E): **RMCA**: 76.015-M-0001 - Tshibungu (05 37 34 S 22 15 57 E, 608 m): **RMCA**: 79.022-M-0005 - Tshopo (00 28 00 N 25 33 00 E): **RMCA**: 90.042-M-0231 - Tshoppo Falls (00 33 00 N 25 11 00 E): **RMCA**: 1530b - Tshuapa district (00 13 S 20 52 E): **RMCA**: 34184 - Uma (00 32 21 N 025 54 05 E, 508 m): **RMCA**: a1.097-M-3173, a1.097-M-3174, a1.097-M-3175; **UNIKIS**: UM001, UM002, UM003, UM009, UM011, UM012, UM015, UM017, UM019, UM020, UM023, UMA535, UMA542, UMA570, UMA572, UMA574, UMA575, UMA576, UMA587, UMA606, UMA608, UMA613, UMA614, UMA631 - Vankerkhovenville (03 20 00 N 29 30 00 E, 791 m): **AMNH**: 48720 - Weko Forest (01 00 N 24 33 E): **HZM**: 10.7809, 11.7810, 15.7828, 17.7830, 18.7831, 19.7832, 21.7834, 30.7857, 35.7862, 36.7863, 37.7864, 9.7808 - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT1867, CRT2374, CRT2395 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 463471, 463472, 463473, 537696, 537697 - Yalusaka (01 05 00 S 22 58 00 E, 420 m): **RMCA**: 27174, 31717 - Yambomba (02 34 30 N 21 47 07 E): **MHNG**: 1870.041 - Yangambi (00 47 00 N 24 28 00 E, 437 m): **HZM**: 14.7827, 24.7837, 34.7861, 38.7855, 38.7865, 7.7805 - Yoko (00 17 N 25 17 E): **UNIKIS**: GE241/G16, GE244, GE279/G19, GE285/G17, GE289, GE290, YK007CH, YK008CH, YK023CH, YK026CH, YK027CH, YK031, YK033CH, YK034CH.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1981-947, ZM-MO-1981-948, ZM-MO-1981-949, ZM-MO-1981-950, ZM-MO-1981-951, ZM-MO-1981-952, ZM-MO-1981-953, ZM-MO-1981-954, ZM-MO-1981-955, ZM-MO-1983-1088, ZM-MO-1983-1089, ZM-MO-1983-1090, ZM-MO-1983-1091 - Abidjan (05 20 28 N 04 01 41 W, 74 m): **FMNH**: 99030 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **AMNH**: 239376, 239377; **MNHN**: ZM-MO-1975-873, ZM-MO-1975-875, ZM-MO-1975-877, ZM-MO-1975-881, ZM-MO-1975-886, ZM-MO-1981-945, ZM-MO-1981-946, ZM-MO-1983-1092, ZM-MO-1983-1093; **ORSTOM**: A8071, A8072, A8073, A8075, A8076, A8297, A8299, A8300, A8301, A8302, A8304, A8728, A8729, A8740, A8747, A8749, A8750, A8753, B0012, B26, B27, B28, B30, B31, B32, B33, B34, B36, B37, B39, B40, B41, B42, B43, B60, B61; **RMCA**: 97.079-M-0948, 97.079-M-0950, 97.079-M-0953, 97.079-M-0954, 97.079-M-0955, 97.079-M-0956; **ZMA**: MAM.16746, MAM.16747, MAM.16748, MAM.16749, MAM.16750, MAM.16751, MAM.16752, MAM.16753, MAM.16754, MAM.16755, MAM.16756, MAM.16757, MAM.16758, MAM.16813, MAM.17312, MAM.17313, MAM.17314, MAM.17315, MAM.17316, MAM.17317, MAM.17318, MAM.17319 - Banco Forest (0525N 0403W): **USNM**: 429879, 429880, 429883 - Bouaké (07 41 N 05 01 59 W, 312 m): **RMCA**: 97.079-M-0945 - Lamto (06 12 00 N 05 02 00 W): **ZMA**: MAM.16745 - Lamto Ecology Station (06 13 N 05 02 W): **ORSTOM**: 21.796.

Equatorial Guinea:

Attogondama: **ZMB**: 67100 - Bata (01 51 00 N 09 45 00 E, 530 m): **MSB**: 25215, 25216 - Benito River (01 36 N 09 37 E): **BMNH**: 1898.5.4.15; **MNHN**: ZM-MO-1881-929 - Ekododo (ca. 0056N 0958E): **ZMB**: 67058 - Elloby: **BMNH**: 1874.10.6.2 - Victoria (03 30 N 08 42 E): **MNHN**: ZM-MO-1995-618.

Gabon:

Unknown locality: **ZMB**: 6129 - "Gabon": **MNHN**: A.107-776-C.52-1852-257 (Holotype *Epomophorus franqueti*) - Anguanamo (ca. 015508S 092721E): **USNM**: 220868, 220870 - Bateke Plateau (0042N 1421E): **CUMV**: 19408 - Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-1879-2118, ZM-MO-1885-367, ZM-MO-1947-209, ZM-MO-1947-211 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **ZMA**: MAM.07947, MAM.20687, MAM.20688, MAM.20689, MAM.20690 - Bélinga, near (ca. 01 08 N 13 07 E): **MNHN**: ZM-MO-1983-1197, ZM-MO-1983-1198 - Booué (00 06 00 S 11 56 00 E, 175 m): **MNHN**: ZM-MO-1947-210 - Como River (0009N 0949E): **BMNH**: 1897.7.1.3 - Dongila [=Donguila] (0013N 0945E): **ZMB**: 4956 - Franceville, mission (01 36 29 S 13 36 55 E): **EBD**: MAM 8814 - Grotte de Faucon (01 07 N 13 20 E): **MNHN**: ZM-MO-1983-1199 - Ipassa (0030N 1254E): **CUMV**: 19410, 19411 - Lac Zedee: **MNHN**: ZM-MO-1876-2041 - Libreville, 20 km from (ca. 00 23 N 09 27 E): **EBD**: MAM 8813 - Makokou (00 34 00 N 12 52 00 E, 308 m): **CUMV**: 16046, 16434, 19148, 19417, 19419, 19423, 19427, 19433, 19740; **MNHN**: ZM-MO-1983-1200, ZM-MO-1983-1201, ZM-MO-1983-1202; **ZMA**: MAM.06818, MAM.06819, MAM.06820, MAM.06821, MAM.06822, MAM.06823, MAM.06824, MAM.06825, MAM.06826, MAM.06827, MAM.06828, MAM.06829, MAM.06830, MAM.06831, MAM.06832, MAM.06833, MAM.06834, MAM.06835, MAM.06836, MAM.06837, MAM.06838, MAM.06839, MAM.06840, MAM.07930, MAM.07931, MAM.07943, MAM.07944, MAM.07945, MAM.20489, MAM.20490, MAM.20691, MAM.20692, MAM.20693, MAM.20694, MAM.20695, MAM.20696, MAM.20697, MAM.20698, MAM.20699 - Mitzic (004700N 113400E): **BMNH**: 1958.306, 1958.307, 1958.308, 1958.309 - Mouila (01 52 S 11 01 E, 156 m): **MNHN**: ZM-MO-1949-308 - Ogoou, near (ca. 0100S 1300E): **AMNH**: 37233 - Ogooue-Maritime province: **USNM**: 584834 - Ossengue Camp site (0156S 0954E): **USNM**: 584682, 584683, 584684, 584685, 584686, 584687, 584688, 584689, 584690, 584964 - Projet OIBT trail (PK 29) (0205N 1224E, 600 m): **FMNH**: 162155, 162199.

Ghana:

Unknown locality: **RMNH**: MAM.35971; **ROM**: 36684; **SMF**: 89662, 89663 - Aburi Hills (05 47 N 00 11 W): **USNM**: 411530 - Accra, 9 mi [=14.5 km] NE (05 33 N 00 15 W): **AMNH**: 241012 - Achimota (05 37 N 00 14 W, 82 m): **USNM**: 478544 - Ahiriso (0632N 0220W): **USNM**: 414006, 414009 - Amedzofe (0651N 0026E): **USNM**: 411598 - Anima Krom (045012N 020446W, 73 m): **USNM**: 411599, 411600 - Bator (0604N 0025E, 56 m): **USNM**: 411597 - Berekuso, 1 mi N (0546N 0013W): **USNM**: 411534, 411535, 411536, 411537, 411538, 411539, 411540, 411541 - Bibiani (06 27 N 02 18 W, 720 ft): **BMNH**: 1912.8.27.1 - Bimbila (08 51 N 00 04 E, 172 m): **ZMB**: 53896 - Boti Falls (06 22 N 00 19 W): **ROM**: 60215, 60216, 60217, 60220, 60221 - Butre (0449N 0155W): **USNM**: 399144, 413909, 413910, 413912, 413913, 413915, 413916, 413918, 413919, 413920, 413921, 413924, 413925, 413926, 413928, 413929, 413930, 413931, 413935, 413936, 413937, 413938, 413939, 413940, 413941, 413942, 413943, 413944, 413945, 413946, 413947, 413948, 413951, 413952, 413953, 413954, 413955, 413956, 413957, 413958, 413959, 413961, 413962, 413963, 413964, 413966, 413968, 413969, 413970, 413971, 413972, 413973, 413974, 413975, 413976, 413977, 413978, 413979, 413980, 413981, 413982, 413983, 413984, 413985, 413986, 413987, 413988, 413989, 413990, 413991, 413992, 413993, 413994, 413995, 413996, 413997, 413998, 413999, 414002, 576102, 576103 - Gold Coast [=Goldküste] (ca. 05 20 N 00 45 W): **ZMB**: 2620, 3562, 357 - Jukwa (0515N 0121W): **USNM**: 411587, 411588, 411589, 411591, 411594, 411595 - Kade, 11 km NE (06 07 N 00 34 W): **ROM**: 36553, 36568, 36569, 36570, 36571, 36572, 36573, 36633, 36634, 36635, 36636, 36637, 36638, 36639, 36650, 36652, 36653, 36654, 36655, 36657, 36658, 36659, 36660, 36661, 36662, 36663, 36664, 36665, 36666, 36667, 36668, 36669, 36670, 36672, 36673, 36674, 36675 - Kade, 6 mi [=9.7 km] N (06 10 N 00 50 W): **USNM**: 414753, 414754, 414755, 414756, 414757, 414758, 414759 - Kade, 6 mi [=9.7 km] NW (06 09 N 00 54 W): **USNM**: 411468, 411469, 411470, 411471, 411542, 411543, 411544, 411545, 411546, 411547, 411548, 411549, 411550, 411551, 411552, 411553, 411554, 411555, 411556, 411557 - Kade, 7 mi [=11.3 km] NE (06 09 N 00 45 W): **MVZ**: 149375, 149377, 149380; **ROM**: 36680 - Kete Krachi (07 48 N 00 01 W, 83 m): **ZMB**: 53874, 54361, 54365, 54518, 8945, 8946 - Kumasi (06 41 N 01 37 W, 246 m): **BMNH**: 1965.740 - Kumasi Agricultural Station (06 45 N 01 34 W, 246 m): **ROM**: 51622, 51623 - Legon (05 39 00 N 00 11 00 W, 30 m): **MVZ**: 149415, 149418, 149420, 149422, 149423, 149424, 149425, 149427, 149428, 149429, 149430, 149431, 149432, 149433, 149434, 149435; **ROM**: 36651, 36656; **USNM**: 413875, 413876, 413878, 413879, 413880, 413881, 413882, 413883, 439857, 439864, 439865, 439903, 448873, 448874, 576105 - Legon (053900N 001100W): **USNM**: 36656 - Legon university (05 39 00 N 00 11 00 W, 75 m): **ROM**: 39396 - Legon, 1 mi N (ca. 053900N 001100W): **USNM**: 411558 - Leklebi Agbesia (0656N 0029E): **USNM**: 424757 - Nkawkaw (063300N 004600W): **USNM**: 411524, 411525, 411526, 411527, 411528, 411529 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 411518, 411519, 411520, 411521, 411522, 411523, 411531, 411532, 411533, 411559, 411560, 411561, 411562 - Oda (05 55 N 00 56 W, 122 m): **USNM**: 439850, 439851, 439852, 439853, 439854, 439855, 439856, 439858, 439859, 439860, 439861, 439862, 439863, 439866, 439867, 439868, 439869, 439870, 439871, 439872, 439873, 439874, 439875, 439876, 439877, 439878, 439879, 439880, 439881, 439882, 439883 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424742, 424743, 424744, 424745, 424746, 424747, 424748, 424749, 424750, 424751, 424752, 424753, 424754, 424755, 424756 - Prestea, 32 mi W (0523N 0228W): **USNM**: 413886, 413889, 413891 - Sewhi Wiaso (06 19 50 N 00 02 15 W): **ROM**: 56518, 56519, 56520 - St. George d'Elmina (05 05 00 N 01 21 00 W, 0 m): **ZMA**: MAM.01626 - Subinja (07 44 N 02 04 W, 290 m): **USNM**: 414740, 414741, 414742, 414743, 414744, 414745, 414746, 414747, 414748, 414749, 414750, 414751, 576104 - Tafo: **BMNH**: 1962.247 - University of Ghana (053900N 001100W): **USNM**: 411397, 411501, 411502, 411503, 411504, 411505, 411506, 411507, 411508, 411509, 411510, 411511, 411512, 411513, 411514, 411515, 411516, 411517, 478541, 478542, 478543 - Yabraso (0804N 0147W): **USNM**: 424741 - Yanfori (05 59 N 01 45 W): **ROM**: 70527.

Guinea-Bissau:

Formosa Island (11 29 N 15 58 00 W): **MNHN**: ZM-MO-1984-681.

Kenya:

Kiuu (0036S 3709E, 1308 m): **ROM**: 38370.

Liberia:

Baloma (07 41 57 N 09 39 03 W, 364 m): **RMCA**: 35758 - C.L.C. (05 11 00 N 07 58 00 W): **RMCA**: 80.036-M-0015, 80.036-M-0016 - Cape Palmas (042230N 074301W, 59 m): **USNM**: 5215 - Duo Town (05 42 00 N 08 06 00 W): **RMCA**: 80.036-M-0018, 80.036-M-0019, 80.036-M-0020, 80.036-M-0021, 80.036-M-0022, 80.036-M-0023, 80.036-M-0024, 80.036-M-0025, 80.036-M-0026 - Fanti (0507N 0857W): **ZMB**: 4477 - Grand Lapin (?): **MCZ**: 7037 - St. Paul's River (ca. 062246N 104755W): **USNM**: 21661 - Suehn (06 37 02 N 10 42 24 W, 101 m): **RMCA**: 36263, 36264, 36265 - Sweaken (05 23 04 N 07 57 07 W, 303 m): **RMCA**: 80.036-M-0017 - Tars Town (0613N 0808W): **USNM**: 481672, 481673, 481674, 481675, 481676, 481677, 481678, 481692, 481693, 481694, 582978, 582979 - Zigida Village (080212N 092923W): **USNM**: 541518, 541519, 541520, 541521, 541522, 541523, 541524, 541525, 541526 - Zomai (07 36 56 N 09 37 53 W, 303 m): **RMCA**: 36292, 36293, 36296, 36297.

Nigeria:

Unknown locality: **BMNH**: 1957.290, 1976.1829 - Abonnema: **BMNH**: 1902.11.2.4, 1902.11.2.5, 1902.11.2.6 - ACWA (06 53 42 N 03 42 51 E, 76 m): **MSB**: 31271; **ROM**: 78001, 78002 - Agege (06 37 19 N 03 19 33 E, 41 m): **ZMA**: MAM.19098 - Asaba (06 11 00 N 06 45 00 E, 54 m): **BMNH**: 1895.5.3.6, 1895.5.3.7 (Holotype *Epomops franqueti strepitans*) - Ayip Eku (0535N 0845E): **ROM**: 86929 - Calabar (04 34 27 N 06 58 33 E, 380 m): **BMNH**: 1880.7.21.1, 1880.7.21.3; **ZMA**: MAM.19031 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **BMNH**: 1961.82, 1961.83, 1961.84; **FMNH**: 99051, 99052, 99053, 99054, 99055, 99056, 99057, 99058, 99059, 99060, 99061, 99062; **ROM**: 79202, 79203, 79204, 79205, 79206; **USNM**: 377095, 402339, 402450, 402451, 402452, 402453, 402454, 402455, 402456, 402457, 402460, 402461, 402462, 402463, 402464, 402474, 402475, 402476, 402477, 483179, 483180, 483181, 483182, 483183, 483184, 483185, 483186, 483187, 483188, 483189, 483190, 483191, 483192, 483193, 483194; **ZMA**: MAM.19032, MAM.19033, MAM.19088, MAM.19089 - Ibadan University College (07 23 16 N 03 53 47 E, 237 m): **AMNH**: 204293; **USNM**: 402458, 402459, 402470, 402471, 402472, 402473 - Ife (07 29 25 N 04 33 07 E): **ZMA**: MAM.19097 - Ife Botanical gardens (ca. 07 31 06 N 04 31 41 E): **AMNH**: 245688 - Ife University Conference Center, ca. 5 mi SW (07 31 27 N 04 31 52 E): **AMNH**: 245687 - Igbo-ora (0726N 0317E): **USNM**: 402465, 402466, 402467, 402468, 402469 - Lagos (06 27 11 N 03 23 45 E, 34 m): **ZMB**: 3649 - Leinde Fadali (0658N 1136E, 1700m): **SMNS**: 41337 - Oban (05 19 00 N 08 34 00 E, 302 m): **BMNH**: 1910.6.1.8 - Odukpani (05 07 55 N 08 20 22 E): **ZMA**: MAM.19087 - Olokemeji Forest Reserve (0725N 0332E): **ROM**: 77728, 77729 - Omo Forest Reserve (06 50 49 N 04 22 17 E): **ROM**: 77721, 77722, 77723, 77724, 77725, 77726 - Sangs River Forest Reserve (0820N 0910E): **ROM**: 84076 - Sapoba (06 06 23 N 05 53 55 E, 72 m): **ROM**: 79190 - Sapoba Forest Reserve (06 04 32 N 05 49 09 E): **USNM**: 379501, 379502, 379503, 379504, 379505, 379506 - Umuahia (05 32 00 N 07 29 00 E, 151 m): **BMNH**: 1946.282.

Rwanda:

Astrida (023550S 294420E, 1733 m): **RMCA**: 38816 - Shangi Schad (022413S 290021E): **RMCA**: 85.006-M-0463.

Sierra Leone:

Unknown locality: **MCZ**: 6972; **USNM**: 502860, 502861, 502862, 502863, 502864, 502865, 502866, 502867, 502868, 502869, 502870, 502871, 502872, 502873, 502874, 502875, 502876, 502877, 502878, 502879, 502880, 502881, 502882, 502883, 502884, 502885, 502886, 502887, 502888, 502889, 502890, 502891, 502892, 502893, 502894, 502895, 502896, 502897, 502898, 502899, 502900, 502901, 502902, 502903, 502904, 502905, 502906, 502907, 502908, 502909 - Freetown (0830N 1315W): **ROM**: 60667, 60671 - Gola Forest Camp (0737N 1058W): **USNM**: 545600 - Lumley Village (082714N 131657W, 0 m): **ROM**: 60672, 60673 - Lunsar (0841N 1232W, 52 m): **ROM**: 60665 - Mount Aureol (0829N 1313W): **ROM**: 60681 - Mount Aureol (0829N 1313W, 366 m): **ROM**: 56487, 56488 - Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 546953, 546954 - Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 546955, 546956, 546957 - Panguma, 10 mi N (0817N 1106W): **USNM**: 538465 - Segbwema (0759N 1057W): **USNM**: 462813, 462814, 462815, 463083, 463084, 463085, 463086, 463087, 463088, 463089, 539579, 539580, 539581, 539582.

South Sudan:

Bangangai forest (0451N 2745E): **FMNH**: 108125 - Bangangai Game Reserve, location 4 (04 53 43 N 27 42 44 E, 685 m): **USNM**: 587230, 587232, 587233, 587234, 587239 - Bangangai Game Reserve, location 5 (04 54 02 N 27 41 58 E, 691 m): **USNM**: 587247, 587249, 587250, 587251, 587254 - Kajiko North (035125N 303627E): **SMNS**: 29897, 29898, 29899, 29900, 29902 - Kajiko South: **SMNS**: 29901 - Yambio, FFI (Flora & Fauna International) complex (04 34 41 N 28 22 58 E, 669 m): **USNM**: 587290.

Tanzania:

Unknown locality: **BMNH**: 1987.31 - Bukoba (01 19 54 S 31 46 44 E, 1250 m): **ZMB**: 10035 - Dindira and Ibaya, halfway between: **MSU**: MR.15608 - Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **FMNH**: 192924, 192925, 192926, 192927, 192928, 192929, 193046, 193047, 193048, 193049 - Rubondo [island] (0220S 3150E, 350 m): **ROM**: 56532.

Togo:

Unknown locality: **RMCA**: 73.054-M-1528, 73.054-M-1529, 73.054-M-1530, 73.054-M-1531, 73.054-M-1532, 73.054-M-1533, 73.054-M-1534, 73.054-M-1535, 73.054-M-1536, 73.054-M-1537 - Adina (07 31 00 N 01 01 00 E, 252 m): **RMCA**: 73.054-M-2073 - Adjido (07 30 00 N 01 11 00 E, 186 m): **RMCA**: 73.054-M-2069, 73.054-M-2236 - Agadji (07 27 00 N 00 54 00 E, 348 m): **RMCA**: 73.069-M-0240 - Akposso (07 34 00 N 00 59 00 E): **RMCA**: 73.054-M-0149, 73.054-M-0152, 73.054-M-0153, 73.054-M-1519, 73.054-M-1520, 73.054-M-1521, 73.054-M-1522, 73.054-M-2070, 73.054-M-2071, 73.054-M-2072 - Azafi (07 34 00 N 01 02 00 E, 253 m): **RMCA**: 73.069-M-0252 - Badou - Anonoe (07 35 00 N 00 36 00 E): **RMCA**: 73.009-M-0230, 73.009-M-0231, 73.009-M-0232, 73.009-M-0233, 73.009-M-0234, 73.009-M-0285, 73.009-M-0286, 73.009-M-0287, 73.009-M-0288, 73.009-M-0289, 73.009-M-0290, 73.009-M-0291, 73.009-M-0292, 73.009-M-0293, 73.009-M-0294, 73.009-M-0295, 73.009-M-0296, 73.009-M-0503 - Dédomé (07 30 00 N 00 59 00 E, 265 m): **RMCA**: 73.069-M-0241, 73.069-M-0242, 73.069-M-0243, 73.069-M-0244 - Dzogbégan (07 14 00 N 00 41 00 E, 698 m): **RMCA**: 73.013-M-0674, 73.013-M-0675, 73.013-M-0676, 73.013-M-0677, 73.013-M-0678, 73.013-M-0679, 73.013-M-0680, 73.013-M-0681 - Ebéva (07 31 00 N 01 05 00 E, 212 m): **RMCA**: 73.069-M-0020, 73.069-M-0021, 73.069-M-0253, 73.069-M-0254, 73.069-M-0255, 73.069-M-0256, 73.069-M-0257, 73.069-M-0258, 73.069-M-0259, 73.069-M-0260, 73.069-M-0261, 73.069-M-0262, 73.069-M-0263, 73.069-M-0264, 73.069-M-0265, 73.069-M-0266, 73.069-M-0267 - Edifou (07 29 00 N 00 58 00 E, 231 m): **RMCA**: 73.054-M-0173, 73.054-M-1526, 73.054-M-2075, 73.054-M-2076, 73.054-M-2077, 73.054-M-2078 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **RMCA**: 73.054-M-0168, 73.054-M-0169, 73.054-M-1523, 73.054-M-2074; **USNM**: 437591, 478545 - Fazao (08 42 00 N 00 47 00 E, 593 m): **RMCA**: 73.011-M-0460, 73.011-M-0628, 73.011-M-0629 - Ihounabe (07 21 00 N 00 55 00 E): **RMCA**: 73.069-M-0251 - Kadjamba (09 53 15 N 00 31 33 E, 151 m): **ZMB**: 67099 - Klein-Popo [=Aného] (06 14 00 N 01 36 00 E, 63 m): **ZMB**: 10004 - Klouto (06 57 00 N 00 34 00 E, 603 m): **RMCA**: 73.013-M-0565, 73.013-M-0566, 73.013-M-0567, 73.013-M-0568, 73.013-M-0682 - Kolokopé (07 48 00 N 01 18 00 E, 147 m): **RMCA**: 73.011-M-0630 - Korrekope (07 48 00 N 01 16 00 E, 147 m): **RMCA**: 73.029-M-0089 - Koutoukpa (07 31 00 N 00 59 00 E, 458 m): **RMCA**: 73.054-M-0172, 73.054-M-1524, 73.054-M-1525 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.011-M-0453, 73.011-M-0455, 73.011-M-0456, 73.011-M-0457, 73.011-M-0458, 73.011-M-0459, 73.011-M-0623, 73.011-M-0624, 73.011-M-0627, 73.011-M-0910, 73.011-M-0911, 73.011-M-0912, 73.011-M-0913, 73.013-M-0569, 73.013-M-0570, 73.013-M-0571, 73.013-M-0572, 73.013-M-0573, 73.013-M-0574, 73.013-M-0575, 73.013-M-0576, 73.013-M-0577, 73.013-M-0578, 73.013-M-0579, 73.013-M-0580, 73.013-M-0683, 73.013-M-0684, 73.013-M-0685, 73.013-M-0686, 73.013-M-0688, 73.013-M-0689, 73.013-M-0690, 73.013-M-0691, 73.013-M-0692, 73.013-M-0693; **ZMB**: 50003 - Nanergou (10 55 00 N 00 09 00 E, 303 m): **RMCA**: 73.009-M-0571 - Odjolo (07 32 00 N 01 02 00 E): **RMCA**: 73.054-M-0188, 73.054-M-0200, 73.054-M-0202, 73.054-M-1527, 73.054-M-2079, 73.069-M-0245, 73.069-M-0246, 73.069-M-0247, 73.069-M-0248, 73.069-M-0249, 73.069-M-0250 - Tététou (07 01 00 N 01 30 00 E, 105 m): **RMCA**: 73.011-M-0461, 73.011-M-0462, 73.011-M-0631, 73.011-M-0632, 73.011-M-0633, 73.011-M-0634 - Tomegbé (07 31 00 N 00 36 00 E, 319 m): **RMCA**: 73.011-M-0454, 73.011-M-0625, 73.011-M-0626.

Uganda:

Unknown locality: **BMNH**: 1952.1590, 1962.2002, 1976.782, 1982.496 - Budongo (013839N 313554E): **AMS**: M.30241 - Budongo Forest (014416N 313322E, 4000 ft): **LACM**: 19630, 31773, 31774, 36102, 36104, 36105, 36106, 36107, 36109, 36110, 36111, 36112, 36113, 36115, 36116, 51497, 51498, 51499, 51500, 51501, 51502, 51503, 51504, 51505 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 152349, 152350, 152351, 152352, 152353 - Budongo Forest Royal mile (0142N 3132E): **FMNH**: 164955, 165109, 165110 - Budongo Forest Royal mile area (ca. 0142N 3132E): **FMNH**: 165102 - Budongo Forest Royal mile Forest (0142N 3132E): **FMNH**: 165111 - Bufumira Island (0022S 3224E): **FMNH**: 149659, 149660 - Bukakata (0018S 3158E): **FMNH**: 149664, 149665, 149666, 149667 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 40155, 46443, 46444, 46445 - Bunyoro (0145N 3135E, 1219 m): **ROM**: 46654 - Bunyoro (0145N 3135E, 1372 m): **ROM**: 46479, 46511 - Busingiro area (0143N 3128E): **FMNH**: 164956, 165112; **MCZ**: 62401 - Busingiro Camp Site (0143N 3128E): **FMNH**: 165103, 165104, 165105, 165106; **MCZ**: 62439 - Bwindi-Impenetrable National Park (0102S 2943E, 1500 m): **FMNH**: 160209, 160210 - Byumba (0056S 2942E, 1540 m): **FMNH**: 160211, 160212, 160213, 160214, 160215, 160216, 160217, 160218, 160219, 160220, 160221, 160222, 160223, 160224, 160225, 160226, 160227, 160228, 160235, 160236, 160237 - Enkombe Sawmill (0017S 3007E, 1480 m): **FMNH**: 182118 - Ishasha River (002800S 293900E): **AMNH**: 189474 - Ishasha River (002800S 293900E, 3500 ft): **AMNH**: 189476, 189477 - Ithama mine: **LACM**: 35507, 51506, 51507, 51508 - Kalangala, 1.0 km N, 0.5 km E (001832S 321330E, 1140 m): **FMNH**: 137614, 137615 - Kalinzu Forest (0025S 3005E): **LACM**: 35666 - Katalemura (002427N 323506E): **ROM**: 40066, 40068 - Katalemwa (002427N 323506E): **ROM**: 40100, 40116, 40117 - Kibale Forest (0029N 3023E): **LACM**: 51495, 51496, 51625 - lake Kamuzuku 1 (00 15 49 S 30 09 09 E): **FMNH**: 224537, 224540, 224541 - Lake Kamuzuku 2 (00 15 54 S 30 09 25 E): **FMNH**: 224535, 224536, 224538, 224539, 224542 - Mainaro (00 21 27 N 30 23 13 E): **FMNH**: 224023,

224024, 224025, 224026, 224027, 224028, 224029, 224030, 224032, 224033, 224034, 224035, 224036, 224037, 224038, 224039, 224040, 224041, 224042, 224043, 224044, 224045, 224046, 224048, 224049, 224050, 224051, 224052, 224053, 224054, 224055, 224056, 224057, 224058, 224059, 224060, 224061, 224062, 224460, 224461, 224462 - Malabigambo Forest: **LACM**: 51509, 51510, 51511 - Maramagambo Forest (003300S 295300E): **AMNH**: 269617, 269648 - Mongiro: **LACM**: 51492, 51494 - Mwela: **LACM**: 51474, 51475, 51476, 51478, 51479 - Namulonge (003147N 323609E, 1133 m): **ROM**: 40072 - Ngogo (00 30 22 N 30 25 34 E): **FMNH**: 224020, 224021, 224022 - Ngoto Swamp (0053S 2944E, 1500 m): **FMNH**: 160229, 160230, 160231, 160232, 160233, 160238 - Ntandi (004800N 300900E): **LACM**: 51480, 51481, 51482, 51483, 51484, 51485, 51486, 51487, 51488, 51489, 51490, 51491, 51493 - Nteko Parish (01 02 16 S 29 36 E, 1600 m): **FMNH**: 160234, 160239 - Nyabirongo (0329N 295711E, 1271 m): **ROM**: 39982 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 165107, 165108; **MCZ**: 62440 - Tende (0028S 3229E): **FMNH**: 149661, 149662, 149663.

Zambia:

Abercorn (08 50 S 31 23 E, 1656 m): **BMNH**: 1952.1542 - Sakei Stream, headwaters (11 21 S 24 15 E): **MSB**: 34601 - Sakeji Stream, headwaters (11 21 S 24 15 E, 1430 ft): **AMS**: M.9949.

Hypsignathus monstrosus H. Allen, 1862

"Africa":

Unknown locality: **AMS**: M.29762; **MNHN**: ZM-MO-1911-820 - West Africa: **TM**: 976, 977.

Angola:

Canzele (08.38S 15.13E): **FMNH**: 81726, 81727 - Dundo (0722S 2050E, 726m): **MDL**: 5217 - Dundo (0724S 2047E, 726m): **FMNH**: 66435 - Gabela, 30 km S (11 07 S 14 22 E): **FMNH**: 83588 - Rio Luachimo (0720S 2049E): **YPM**: MAM 000178 - Salazar [= N'Dalatando], Agronomic Station (09.38S 14.88E): **IICA**: 8076.

Burkina Faso:

Fô (11 53 N 04 31 W, 453 m): **USNM**: 467882 - Orodara, 27 km ENE (1104N 0441W): **USNM**: 467883 - Sideradougou (1040N 0415W): **USNM**: 467884, 467885, 467886, 467887, 467888, 467889, 467890, 467891, 467892, 467893.

Cameroon:

Unknown locality: **BMNH**: 1939.3739, 1948.602; **SMF**: 7101; **ZMB**: 67124, 67127, 67130, 67133 - Alen (02 23 00 N 10 34 00 E, 197 m): **RMCA**: 73.018-M-0057, 73.018-M-0214 - Bafut (0605N 1006E, 1231 m): **ROM**: 55884 - Balue mountains: **ZMB**: 57061, 67059, 67060, 67061 - Bamumbo: **BMNH**: 1948.601 - Bamundjinda: **ZMB**: 67062 - Basal Mission (0439N 0926E): **ROM**: 51533, 51582, 51583, 51587, 51761 - Bibundi (0413N 0859E): **ZMH**: 39203, 39265, 39529 - Bipindi, 10 km W (0305N 1025E, ca. 300 m): **ROM**: 56249 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 40163, 54410, 67122, 67128, 67129, 67131, 67134, 67157, 6942 - Bonge: **ZMB**: 7043 - Boteke Village (0406N 0912E): **ROM**: 69054, 69055, 69067 - Dimako (04 23 00 N 13 35 00 E, 680 m): **RMCA**: 77.032-M-0164, 77.032-M-0165, 77.032-M-0166 - Eseka (0339N 1046E): **CM**: 40981 - Eséka (0340N 1045E): **AMNH**: 236270, 236271, 236272, 236273 - Eséka, 8 km SW (ca. 0340N 1045E): **AMNH**: 236274 - Great Soppo Forest (040917N 091434E, 824 m): **ROM**: 56909 - Isongo (040444N 090126E): **ZMH**: 40000 - Kiribi, 9 km N (0301N 0954E): **ROM**: 56264 - Kribi (0255N 0955E): **ROM**: 54941 - Kumba region (0439N 0925E): **ROM**: 51542, 51593 - Lomié (03 10 N 13 34 E, 611 m): **ROM**: 57136 - Mbonde Pygmee (05 22 N 11 16 E): **MNHN**: ZM-2011-657, ZM-2011-658 - Nemeyong I (03 19 N 12 55 E, 642 m): **MNHN**: ZM-2011-654, ZM-2011-655, ZM-2011-656 - Njombo River (0339N 1158E, 457 m): **ROM**: 57227 - Obala (04 10 N 11 32 E, 539 m): **PCMB**: 270 - Obala, 12 km S, 11 km E (0409N 1131E): **ROM**: 56147, 56148, 56154, 56155 - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 55629, 56132, 56133, 56159 - Sakbayeme (0402N 1034E): **MCZ**: 19182 - small Soppo (0407N 0912E): **ROM**: 69024 - Somalomo (03 23 N 12 44 E, 629 m): **ZMA**: MAM.23520 - Sou Mou River (0315N 1124E): **ROM**: 56169 - Victoria (04 00 36 N 09 09 36 E): **ZMB**: 54204, 54205, 54206, 54207, 54600, 54601, 54601b, 54604, 54696, 54698, 67120, 67121, 67123, 67125, 67126, 67132, 67135, 67150 - Yaoude, due S (ca. 0352N 1131E, 2500 ft): **AMNH**: 114208 - Yaounde (0352N 1131E, 1025 m): **ZMB**: 54697, 9010 - Yaounde (0352N 1131E, 726 m): **MNHN**: ZM-MO-1979-313.

Central African Republic:

Unknown locality: **RMCA**: 93.091-M-0045 - Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1975-1060, ZM-MO-1981-119 - Kpoka cave (case?) (03 50 N 17 18 E): **MNHN**: ZM-2011-702, ZM-2011-703 - Nguerengou (06 32 36 N 22 38 30 E): **MNHN**: ZM-2011-704, ZM-2011-705 - Nola region (ca. 0332N 1604E): **MNHN**: ZM-MO-1931-846.

Congo:

Unknown locality: **MNHN**: ZM-MO-1883-30, ZM-MO-1886-135, ZM-MO-1886-136, ZM-MO-1886-137, ZM-MO-1886-138, ZM-MO-1975-805 - Likouala department: **SMF**: 92969 - OdzalaNational Park (00 53 31 N 14 50 18 E): **MNHN**: ZM-MO-1975-803, ZM-MO-1975-804.

Congo (Democratic Republic of the):

Alipago (03 34 00 N 25 44 00 E, 565 m): **RMCA**: 14796a, 14796b - Angu, near (03 33 N 24 28 E): **BMNH**: 1907.7.8.23 - Arebi Bondo Mabe (02 47 00 N 29 35 00 E): **RMCA**: 8498, 8499, 8500, 8501 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 48636, 48637, 48638, 48639, 48640, 48641, 48643, 48645, 48646, 48647, 48648, 48649, 48650, 48651, 48653, 48655, 48656, 48657, 49208, 49279; **KU**: 125195; **MCZ**: 17362, 17363; **NMW**: 18282; **RMCA**: 12376 - Bafwabaka (02 07 00 N 27 40 00 E, 631 m): **FMNH**: 43873 - Bafwaboka (02 07 00 N 27 40 00 E, 631 m): **AMNH**: 48631, 48632, 48635, 48654, 49280; **RMCA**: 12360 - Baliko (00 16 00 S 20 49 00 E, 388 m): **RMCA**: a1.097-M-0413 - Baliko (00 16 S 20 49 E, 358 m): **FMNH**: 219587, 219588 - Bamania (00 01 00 N 18 24 00 E): **RMCA**: 21689 - Bambesa (03 28 00 N 25 43 00 E, 614 m): **RMCA**: 14677, 14678 - Bambu (01 48 N 30 14 E, 1466 m): **RBINS**: 7037 - Baraka (04 05 S 29 05 E, 772 m): **ZMB**: 67118 - Bela (00 38 N 29 14 E, 913 m): **RBINS**: 7040 - Beyi - Kalonji (05 49 00 S 22 30 00 E): **RMCA**: 80.020-M-0003 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 15949 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 20397 - Bokungu (004100S 221900E, 402 m): **RMCA**: 18693, 18817, 18818 - Bolafa (02 08 00 N 21 37 00 E): **RMCA**: 25841, 25842, 25843, 25844, 25845, 25846 - Bongale (060000S 184100E): **RMCA**: 20560 - Bukavu (02 30 30 S 28 51 39 E, 1498 m): **RMCA**: 99.011-M-0001 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 12563, 12564, 12671, 12857, 13379, 13380, 17320, 17321, 6273 - Butembo (0009N 2917E, 1381 m): **RMCA**: 23956 - Byonga (03 21 00 S 28 08 00 E): **RMCA**: 38586 - Congo da Lemba (05 42 00 S 13 04 00 E): **RMCA**: 492 - Eala (00 04 00 N 18 17 00 E, 301 m): **RMCA**: 16215, 16422, 6524, 6524a, 6526, 6527, 6528, 6531 - Epulu (012345N 283440E, 750 m): **RMCA**: 25596, 25597, 25598, 25599, 26609, 26610, 26611, 26612, 27417, 27418, 27645, 27646, 27647, 27648, 27649, 27750, 90.031-M-0002 - Epulu, 6 km S, 2 km W (ca. 012345N 283440E, 750 m): **FMNH**: 138136 - Equateur province: **RMCA**: 38239 - Eringete (00 51 N 29 37 E, 1270 m): **RBINS**: 12945 - Ibembo (0238N 2337E, 420 m): **RMCA**: 19527, 19620, 20744,

21714, 7642 - Ikengo (00 08 00 S 18 08 00 E, 301 m): **RMCA**: 6529 - Inongo (01 57 00 S 18 16 00 E, 335 m): **RMCA**: 18124 - Irebu (00 37 S 17 45 E): **USNM**: 61684 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 23422, 32855a - Karambi (00 39 S 29 21 E, 896 m): **ZMA**: MAM.24557 - Kasai (ca. 06 00 S 22 00 E): **RMCA**: 738, 738a, 738b, 738c - Kasongo (04 27 00 S 26 40 00 E, 625 m): **RMCA**: 31106 - Kasongo Baza (05 36 00 S 23 24 00 E, 532 m): **RMCA**: 30820 - Kikwit (05 03 44 S 18 52 38 E, 438 m): **TM**: 45595, 45628, 45630, 46063, 46064, 46073, 46074, 46080, 46081 - Kilo mines (01 48 N 30 14 E, 1466 m): **RMCA**: 10775 - Kilomamensa: **RMCA**: 6143 - Kindu: **ZMB**: A.4809 - Kisala (04 48 00 S 13 10 00 E, 433 m): **RMCA**: 6530; **RMNH**: MAM.16346 - Kitangua (06 17 00 S 20 20 00 E, 649 m): **RMCA**: 83.025-M-0007 - Kona (02 02 N 22 47 E): **UNIKIS**: CRT1916 - Koteli (02 52 00 N 24 33 00 E, 432 m): **RMCA**: 8784 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 14169, 15509 - Lesse (00 45 00 N 29 48 00 E, 800 m): **RMCA**: 3236, 3237 - Libenge (03 39 00 N 18 38 00 E, 326 m): **RMCA**: 14686 - Lisala (02 08 00 N 21 31 00 E, 409 m): **RMCA**: 9574, 9575 - Lobi (04 09 40 N 23 05 31 E): **BMNH**: 1907.7.8.21 - Lovanium university (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 32588 - Luebo (050200S 213300E, 478 m): **RMCA**: 6525 - Lukoi River: **BMNH**: 1927.3.1.17 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86761, 86762, 86763, 86764, 86946, 86947; **RMCA**: 11736, 7038 - Lukolela 4 mi from (ca. 01 03 00 S 17 12 00 E): **AMNH**: 80957 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.7.6.48; **RMCA**: 35275 - Mabali (00 55 00 S 18 09 00 E): **AMNH**: 185262, 185263, 185264 - Mabali (02 20 00 S 28 50 00 E): **MCZ**: 48184, 48185 - Maboya (00 19 00 N 29 20 00 E, 1374 m): **RMCA**: 38562 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0171, 93.079-M-0367, 93.079-M-0368 - Mpe (02 12 00 S 17 38 00 E, 399 m): **RMCA**: 2662 - Ndwa (020900S 162500E): **RMCA**: 15421, 15422 - Nepoko Bomili (01 40 00 N 27 01 00 E): **RMCA**: 18137, 18137a - New Beni (00 30 00 N 29 28 00 E, 1238 m): **AMNH**: 82357, 82358, 82359, 82529 - Paulis (0246N 2737E, 730 m): **RMCA**: 20510 - Penge (02 48 N 27 55 E, 828 m): **AMNH**: 48642 - Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL514 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **AMNH**: 48629, 48630, 48652, 49199; **MCZ**: 17364 - Tingasi (03 24 00 N 27 55 00 E): **BMNH**: 1887.12.1.24, 1887.12.1.25 - Tondu (00 53 00 S 18 09 00 E): **RMCA**: 7784 - Tschuapa (00 14 00 S 20 42 00 E): **RBINS**: 15188 - Uele (River) (ca. 03 41 N 26 03 E): **MCZ**: 23935 - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT2388 - Yalokele (003944S 224753E, 443 m): **RMCA**: 21889, 21890, 21911, 21912, 21913 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 463475, 537698 - Yangambi (00 47 00 N 24 28 00 E, 437 m): **RBINS**: 12944, 5941, 6984; **RMCA**: 17238 - Yoko (00 17 N 25 17 E): **RMCA**: a1.097-M-3164, a1.097-M-3165; **UNIKIS**: GE283, YK006, YK028CH, YK029CH, YK032CH - Zemio (05 03 N 27 07 E): **RBINS**: 184 - Zobia (02 58 N 25 56 E, 609 m): **RBINS**: 6963, 6964, 6965, 6966.

Côte d'Ivoire:

Abidjan, 17 km W (ca. 052100N 040500W): **AMNH**: 241016, 241017 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **MNHN**: ZM-MO-1975-862, ZM-MO-1975-863, ZM-MO-1975-865, ZM-MO-1975-866, ZM-MO-1975-867; **ORSTOM**: A8905, A8907, A8908, A8909, A8910, A8911, A8912, A8913; **ZMA**: MAM.16525, MAM.16526, MAM.16528, MAM.18863, MAM.18864, MAM.18865, MAM.18878 - Ahiérémou (06 14 N 04 56 W, 73 m): **ZMA**: MAM.18876, MAM.18877 - Banco Forest (0525N 0403W): **USNM**: 429893 - I'Orumbo (06 12 N 04 58 W): **ORSTOM**: 21.773, 21.774 - Lamto (06 12 00 N 05 02 00 W): **ZMA**: MAM.16527, MAM.16529 - Sassandra River (07 00 N 07 03 W): **ORSTOM**: A9242, A9243; **USNM**: 465745, 465746, 465748, 465749, 465750, 465752, 465754, 465755, 465756, 465757, 465760; **ZMA**: MAM.16523, MAM.16524 - Sienso: **USNM**: 465761 - Soubre, 10 mi WNW (0549N 0645W): **USNM**: 467881.

Equatorial Guinea:

Unknown locality: **ZMB**: 67156 - Basoalo: **AMNH**: 90226, 90227, 90228 - Bata (01 51 00 N 09 45 00 E, 530 m): **MSB**: 28890 - Benito: **BMNH**: 1939.3736 - Benito River (01 36 N 09 37 E): **BMNH**: 1898.10.7.2, 1899.7.22.1, 1899.7.22.2 - Beoken Noja [?=Noya river]: **ZMB**: 67119 - Fernando Poo (03 29 39 N 08 42 06 E): **NMW**: B4781, B4782.

Ethiopia:

Unknown locality: **MNHN**: ZM-MO-1983-1149 - Bora River Bridge (1670 m): **BRTC**: 58449 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1670 m): **BRTC**: 58448.

Gabon:

Unknown locality: **ZMB**: 9012 - Bawaka (0023N 1244E): **CUMV**: 19701 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **ZMA**: MAM.07798, MAM.07799, MAM.07800, MAM.07801, MAM.20681, MAM.20683, MAM.20684, MAM.20685 - CNRS Lek (0028N 1248E): **CUMV**: 19402, 19406, 19409, 19418, 19420, 19421, 19422 - Dongila [=Donguila] (0013N 0945E): **ZMB**: 4955 - Edzameyen (0036N 1244E, 481 m): **CUMV**: 19431, 19432 - Makob (0041N 1255E): **CUMV**: 19403, 19404, 19405, 19412, 19413, 19414, 19415, 19416, 19424, 19425, 19426, 19430, 19435, 19437 - Makokou (00 34 00 N 12 52 00 E, 308 m): **ZMA**: MAM.20686 - Nehali: **BMNH**: 1908.6.14.6 - Ogoue (0006S 1156E): **MNHN**: ZM-MO-1876-2040 - Ossengue Camp site (0156S 0954E): **USNM**: 584691 - Rembo Kotou (ca. 0134S 0915E): **USNM**: 220894.

Ghana:

Unknown locality: **BMNH**: 1974.60; **WAM**: M16576 - Aburi Botanic Garden (05 51 N 00 11 W, 300 m): **HNHM**: 73.100.1 - Ajemera (04 49 N 02 11 W, 0 m): **ROM**: 55148 - Asenparage garden (06 30 N 02 54 W, 251 m): **RMCA**: 37895, 37896 - Berekuso, 1 mi N (0546N 0013W): **USNM**: 411601, 411602, 411603, 411604 - Bunso: **NMW**: 15948, 15949 - Butre (0449N 0155W): **USNM**: 414013, 414014, 414015, 414016 - Kade Agricultural Research Station (06 05 N 00 50 W, 127 m): **ROM**: 39382 - Kade, 11 km NE (06 07 N 00 34 W): **ROM**: 36647 - Kade, 6 mi [=9.7 km] N (06 10 N 00 50 W): **USNM**: 424758 - Kade, 6 mi [=9.7 km] NW (06 09 N 00 54 W): **USNM**: 411605, 411606, 411607 - Koforidua (06 05 N 00 15 W, 238 m): **ROM**: 56516 - Kumasi (064100N 013700W): **BMNH**: 1964.1272, 1966.5576, 1966.6207 - Leklebi Agbesia (0656N 0029E): **USNM**: 424763, 424764 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 54438, 54725, 55763; **MCZ**: 42650 - Oda (055500N 005900W): **BMNH**: 1946.372 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424759, 424760, 424761, 424762 - Prestea, 32 mi W (0523N 0228W): **USNM**: 414010, 414011, 414012 - Subinja (07 44 N 02 04 W, 290 m): **USNM**: 414781, 414782, 414783 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **ROM**: 56517.

Guinea:

Gbaolé (07 26 30 N 09 14 34 W, 482 m): **MNHN**: ZM-2012-371 - Zogota (mine) (ca. 07 53 10 N 09 01 24 W): **MNHN**: ZM-2012-370.

Kenya:

Shikusa (00 15 N 34 45 E, 5500 ft): **NMK**: 5911, 5931.

Liberia:

Unknown locality: **BMNH**: 1979.422, 1979.423_1, 1979.423_2, 1979.423_3, 1979.423_4; **RMNH**: MAM.27259, MAM.27260 - Fapé (07 13 50 N 09 17 04 W, 360 m): **MNHN**: ZM-2012-372, ZM-2012-373 - Mount Nimba (07 30 00 N 08 30 00 W): **BMNH**: 1967.1431, 1967.1432; **RBINS**: 16083, 16743 - Robertsfield Airport (06 14 02 N 10 21 44 W): **ZMA**: MAM.14576 - Sweaken (05 23 04 N 07 57 07 W, 303 m): **RMCA**: 80.036-M-0005 - Ziggida, 2 km E, 7 km N: **AMNH**: 265661, 265662 - Zomai (07 36 56 N 09 37 53 W, 303 m): **RMCA**: 36299.

Nigeria:

Aguleri, 1.5 mi E (062000N 065300E): **USNM**: 377098 - Benin: **BMNH**: 1904.8.28.1 - Felele (0751N 0643E): **USNM**: 402563 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **BMNH**: 1962.246; **FMNH**: 99080, 99081; **USNM**: 402562; **ZMA**: MAM.18599, MAM.18600 - Igbo-ora (0726N 0317E): **USNM**: 402561 - Kwa River: **BMNH**: 1910.6.1.6 - Lagos (062711N 032345E): **BMNH**: 1926.11.24.2 - Oban (051900N 083400E): **BMNH**: 1910.6.67 - Old Calabar river (0454N 0816E): **BMNH**: 1862.1.23.1[b] (Holotype *Sphyrocephalus labrosus*).

Sierra Leone:

Freetown (0830N 1315W): **ROM**: 60680 - Mount Aureol (0829N 1313W, 366 m): **ROM**: 56489 - Panguma, 10 mi N (0817N 1106W): **USNM**: 538466.

South Sudan:

Bangangai forest (0451N 2745E): **FMNH**: 108127, 108128, 108129 - Bangangai Game Reserve, Location 1 (04 54 20 N 27 42 19 E, 698 m): **USNM**: 587214 - Equatoria Province: **USNM**: 317903.

The Gambia:

Unknown locality: **BMNH**: 1876.7.21.1.

Togo:

Ezimé (07 29 00 N 00 56 00 E, 344 m): **USNM**: 437594, 437595 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **ZMB**: 9007, 9008, 9009.

Uganda:

Unknown locality: **BMNH**: 1934.6.2.4, 1935.1.28.1 - Budongo Forest (014416N 313322E, 4000 ft): **LACM**: 51401 - Bunyoro (0145N 3135E, 1219 m): **ROM**: 46655 - Itama area: **LACM**: 35482, 51402 - Kampala (00 18 56 N 32 33 56 E, 1202 m): **HZM**: 1.3518 - Kibale Forest (0029N 3023E): **LACM**: 51406, 51407, 51408 - Mabira Forest (0030N 3255E): **ROM**: 40119 - Makerere (0020N 3234E): **AMS**: M.29672 - Ntandi (004800N 300900E): **LACM**: 51403 - Tororo, 64 km SW (0015N 3359E): **ROM**: 91154.

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1981-942; **RMCA**: 97.077-M-3372; **SMF**: 91851, 92161; **ZMA**: MAM.18037, MAM.18038 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **AMNH**: 239386; **RMCA**: 35679, 97.079-M-0752, 97.079-M-0754, 97.079-M-0787 - Adzopé (06 06 25 N 03 51 43 W, 137 m): **ORSTOM**: A9183, A9184; **ZMA**: MAM.16520 - Azagny National Park (06 13 07 N 05 15 32 W, 125m): **MNHN**: ZM-2011-1000 (Paratype *Megaloglossus azagnyi*), ZM-2011-1002 (Paratype *Megaloglossus azagnyi*), ZM-2011-993 (Holotype *Megaloglossus azagnyi*), ZM-2011-996 (Paratype *Megaloglossus azagnyi*), ZM-2011-997 (Paratype *Megaloglossus azagnyi*), ZM-2011-998 (Paratype *Megaloglossus azagnyi*), ZM-2011-999 (Paratype *Megaloglossus azagnyi*), ZM-G09070 (Paratype *Megaloglossus azagnyi*), ZM-G09133 (Paratype *Megaloglossus azagnyi*), ZM-GAN028 (Paratype *Megaloglossus azagnyi*) - Banco Forest (0525N 0403W): **USNM**: 467921 - Bolo (08 29 N 07 34 W, 456 m): **ZMA**: MAM.18035, MAM.18036 - Déoulé (07 30 23 N 07 30 19 W, 640 m): **FMNH**: 105262 - Gboyo village (05 14 N 04 47 W): **MNHN**: ZM-2011-1001 (Paratype *Megaloglossus azagnyi*) - Lamto (06 12 00 N 05 02 00 W): **RMCA**: 97.077-M-3137; **ZMA**: MAM.16521 - Lamto Reserve (06 13 N 05 02 W): **MNHN**: ZM-2011-994 (Paratype *Megaloglossus azagnyi*), ZM-2011-995 (Paratype *Megaloglossus azagnyi*), ZM-G09052 (Paratype *Megaloglossus azagnyi*) - Parc National de Mont Peko (06 56 N 07 10 W): **ROM**: 100536 - Parc National de Tai (ca. 05 50 N 07 20 W): **ROM**: 100479.

Ghana:

Unknown locality: **BMNH**: 1974.23, 1977.364_1, 1977.364_2, 1977.366_1, 1977.366_2, 1977.368_01, 1977.368_02, 1977.368_03, 1977.368_04, 1977.368_05, 1977.368_06, 1977.368_07, 1977.368_08, 1977.368_09, 1977.368_10, 1977.368_11, 1977.379 - Ahiriso (06 32 00 N 02 20 00 W, 160 m): **USNM**: 414077, 414078, 414079, 414080, 414081, 414082, 414083, 414084, 414085 - Akoso Mbo (06 18 00 N 00 03 00 E, 76 m): **BMNH**: 1968.365, 1968.366, 1968.367 - Amedzofe (06 51 N 00 26 E, 677 m): **USNM**: 411816, 411817 - Anima Krom (04 50 12 N 02 04 46 W, 73 m): **USNM**: 411829, 411830, 411831, 411832, 411833, 411834, 411835 - Anum (06 29 N 00 09 E, 234 m): **USNM**: 411818 - Boti Falls (06 22 N 00 19 W): **ROM**: 60212, 60213, 60214, 60219, 60222, 60223, 60224, 60225 - Butre (04 49 00 N 01 55 00 W, 0 m): **USNM**: 414075, 414076 - Efeipo Krom (04 57 N 01 52 W): **USNM**: 424840, 424841 - Jukwa (05 16 00 N 01 20 00 W, 74 m): **USNM**: 411814, 411815 - Kade Agricultural Research Station (06 05 N 00 50 W, 127 m): **ROM**: 39422 - Kade, 6 mi [=9.7 km] N (06 10 N 00 50 W): **USNM**: 414784 - Kete Krachi (07 48 N 00 01 W, 83 m): **ZMB**: 67253 - Krokosua Hills Forest Reserve (06 37 N 02 51 W): **ZFMK**: 2003.1052 - Legon (05 39 00 N 00 11 00 W, 30 m): **MVZ**: 149436; **ROM**: 36578 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 411819, 411820, 411821, 411822, 411823, 411824, 411825 - Oda (05 55 N 00 56 W, 122 m): **USNM**: 439885, 439886, 439887, 439888, 439889, 439890, 439891, 478565 - Oda Secondary School (05 54 N 00 58 W): **MSU**: MR.16584 - Odomi Jongo (08 19 N 00 31 E, 324 m): **USNM**: 424839 - Prestea, 32 mi [=51.5 km] W (05 23 N 02 28 W): **USNM**: 414068, 414069, 414070, 414071, 414072, 414073, 414074 - Prince's Town, 7 mi N (ca. 04 43 44 N 02 08 29 W): **USNM**: 411826, 411827, 411828 - Volta region: **SMF**: 92117, 92118, 92119, 92120.

Liberia:

Unknown locality: **BMNH**: 1977.361, 1977.362, 1977.363, 1979.449_1, 1979.449_2, 1979.451, 1979.452; **RBINS**: 16758, 16759; **SMF**: 87669, 87670, 87671, 87672, 87673, 87674 - Basse-Iti: **RBINS**: 16089 - Bomi Wood Concession (ca. 06 53 N 10 50 W): **AMNH**: 257035, 257036, 257037, 257038 - Bopolu (07 04 00 N 10 29 15 W, 211 m): **RMCA**: 80.043-M-0008, 80.043-M-0009 - Fapé (07 13 50 N 09 17 04 W, 360 m): **MNHN**: ZM-2012-389, ZM-2012-390, ZM-2012-391, ZM-2012-392, ZM-2012-393 - Hendi (06 53 28 N 10 23 12 W, 135 m): **AMNH**: 276101, 276102 - Jaoudi, ca. 12 mi SSE (ca. 05 57 39 N 08 30 50 W): **AMNH**: 256536, 256537, 256538, 256539, 268063 - Kpatwee Falls (07 06 27 N 09 38 30 W): **AMNH**: 276103 - Kpawolozu (07 36 56 N 09 45 52 W, 453 m): **RMCA**: 36303 - Mount Coffee (06 29 19 N 10 38 47 W): **USNM**: 83803, 83804 - Mount Nimba (07 30 00 N 08 30 00 W): **MNHN**: ZM-GAN005 (Paratype *Megaloglossus azagnyi*); **RBINS**: 16090, 16091, 16092 - Ngilima (08 05 12 N 10 07 36 W, 433 m): **AMNH**: 257041 - Saniquellie (07 21 44 N 08 42 22 W, 671 m): **AMNH**: 257040 - Schieffelinsville (06 13 17 N 10 32 16 W, 94 m): **RMNH**: MAM.20402 - Sinoe county (050200N 080400W): **RMCA**: 74.008-M-0001, 74.008-M-0002 - Tars Town (06 13 N 08 08 W): **USNM**: 481696, 481697 - Ziggida, 10.5 km N, 1 km E (ca. 08 07 51 N 09 28 54 W, 450 m): **AMNH**: 265695, 265696, 265697, 265698, 265699, 265700, 265701, 265702, 265703 - Ziggida, 11 km N, 2 km E (ca. 08 08 08 N 09 28 20 W): **AMNH**: 265704 - Ziggida, 13 km N, 1 km E (ca. 08 09 10 N 09 28 52 W, 759 m): **AMNH**: 265705, 265706 - Zigida Village (08 02 12 N 09 29 23 W): **USNM**: 541528, 541529, 541530, 541531 - Zomai (07 36 56 N 09 37 53 W, 303 m): **RMCA**: 36301 - Zozoma (082500N 094700W): **AMNH**: 257039.

Nigeria:

Ibadan (07 23 16 N 03 53 47 E, 237 m): **ROM**: 79201 - Ife (07 29 25 N 04 33 07 E): **ZMA**: MAM.18606 - Igbo-ora (07 26 N 03 17 E): **USNM**: 402579, 580593 - Sapoba (06 06 23 N 05 53 55 E, 72 m): **ROM**: 79188, 79189.

Sierra Leone:

Panguma, 10 mi N (08 17 N 11 06 W): **USNM**: 463307.

Togo:

Edifou (07 29 00 N 00 58 00 E, 231 m): **RMCA**: 73.054-M-0209 - Fazao (08 42 00 N 00 47 00 E, 593 m): **RMCA**: 73.011-M-0389, 73.011-M-0622 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.011-M-0388 - Odjolo (07 32 00 N 01 02 00 E): **RMCA**: 73.054-M-0210, 73.054-M-0211, 73.054-M-0212, 73.054-M-1518, 73.069-M-0239.

Megaloglossus woermanni Pagenstecher, 1885

"Africa":

Unknown locality: **CUMV**: 16009.

Angola:

Canzele (08.38S 15.13E): **FMNH**: 81604, 81605, 81694, 81695, 81696, 81697, 81698 - Dundo (07.38S 20.88E): **MDL**: 12673 - Rio Luachimo (0720S 2049E): **YPM**: MAM 000182, MAM 000183.

Cameroon:

Unknown locality: **FMNH**: 34049; **MCZ**: 7043; **RMCA**: 73.018-M-0076; **ROM**: 57031; **SMF**: 68274, 68275, 68276, 68277, 68278 - Aboulou (02 18 00 N 12 04 00 E, 572 m): **RMCA**: 73.018-M-0077, 73.018-M-0078 - above Mueli: **RBINS**: 13102 - Alen (02 23 00 N 10 34 00 E, 197 m): **RMCA**: 73.018-M-0189 - Barombi Kang (0439N 0925E): **ROM**: 37828, 37829 - Barombi Kang (0439N 0925E, 457 m): **ROM**: 37848 - Basal Mission (0439N 0926E): **ROM**: 51517, 51518, 51577, 51578, 51579, 51580, 51592 - Bertoua, 30 km W (0435N 1325E): **AMNH**: 241025, 241026, 241027, 241028, 241029, 241095, 241096; **TTU**: 17965, 17966, 17967, 17968, 17969 - Big farm, Mungo River, east bank (0421N 0930E): **ROM**: 68915 - Bipindi, 10 km W (0305N 1025E, ca. 300 m): **ROM**: 56254 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 40162 - Bipindihof nr Kribi: **ZMB**: 38958 - Bitye (03 01 00 N 12 22 00 E, 616 m): **RMCA**: 1479; **ZMB**: 33341 - Bitye (0313N 1222E): **ZMB**: 33340 - Buéa (04 09 34 N 09 14 12 E, 1850 m): **ROM**: 56979, 57006, 57007, 57008, 57009, 57013, 57014, 57015, 57021, 57023, 57024 - Buéa (04 09 34 N 09 14 12 E, 895 m): **MNHN**: ZM-MO-1979-177 - Buea station, 2 km S (0409N 0912E): **ROM**: 68930, 68931, 68932, 68955, 68959, 68960 - Buéa Station, 2 km W (04 09 N 09 12 E): **ROM**: 68999, 69000 - Cameroon Mountain Cave (0409N 0913E, 1200 m): **ROM**: 56940 - Campo (02 22 00 N 09 49 00 E, 0 m): **RMCA**: 75.056-M-0147, 75.056-M-0150, 75.056-M-0151, 75.056-M-0152, 75.056-M-0161, 75.056-M-0162, 75.056-M-0163, 75.056-M-0164 - CDC Banana Research Station (0409N 0913E): **ROM**: 58298, 58299, 58303, 58322, 58323, 58324, 58325, 58326, 58328, 58329, 58330, 58331, 58332, 58333, 58335, 58342 - Dimako (04 23 00 N 13 35 00 E, 680 m): **RMCA**: 77.032-M-0182, 77.032-M-0183, 77.032-M-0184, 77.032-M-0185, 77.032-M-0186, 77.032-M-0187, 77.032-M-0188, 77.032-M-0189, 77.032-M-0190, 77.032-M-0191, 77.032-M-0192, 77.032-M-0193, 77.032-M-0194 - Douala airport (04 04 N 09 43 E): **ROM**: 37862 - Ebogo (03 24 00 N 11 28 00 E, 316 m): **RMCA**: 73.018-M-0075, 73.029-M-0006 - Eséka (0340N 1045E): **AMNH**: 236283, 236284 - Eseka, 5 km SW (0337N 1045E): **CM**: 40994, 40995, 40996, 40997 - Eséka, 5 km SW (ca. 0340N 1045E): **AMNH**: 236285, 236286, 236287, 236288, 236289, 236290 - Eséka, 6 km SE (ca. 0340N 1045E): **AMNH**: 236291 - Eséka, 7 km N (ca. 0340N 1045E): **AMNH**: 236292 - Eséka, 8 km SW (ca. 0340N 1045E): **AMNH**: 236293 - Great Soppo (0409N 0912E): **ROM**: 55550, 55552, 55553, 55556, 55557, 55558, 55559, 55565, 55571, 55572, 55573, 55575, 55576 - Great Soppo Forest (040917N 091434E, 824 m): **ROM**: 56907, 56911, 56918, 56919, 56920, 56921, 56925, 56926, 56927, 56928, 56929, 56984, 56985, 56986, 56987, 56988, 56989, 56990 - Isobi: **RBINS**: 13101 - Kribi (025700N 095500E, 13 m): **MNHN**: ZM-MO-1979-168, ZM-MO-1979-169, ZM-MO-1979-170, ZM-MO-1979-171, ZM-MO-1979-172, ZM-MO-1979-173, ZM-MO-1979-174, ZM-MO-1979-175 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55537, 55738 - Kumba region (0439N 0925E): **ROM**: 51554, 51569, 51581, 51618 - Lolodorf (031400N 104400E): **CM**: 16062, 3674, 3675, 3676, 3677, 3678, 3679, 3680 - Lombé (03 38 02 N 09 59 10 E, 1 m): **MSB**: 37691; **USNM**: 514674 - Malene I village (03 21 N 12 53 E, 639 m): **MNHN**: ZM-2011-659, ZM-2011-660 - Mamfe, 15 km SE (ca. 05 40 N 09 23 E): **AMNH**: 241030 - Mana bridge (05 00 28.4 N 08 52 16.9 E): **MNHN**: ZM-2011-661, ZM-2011-662 - Mang (03 20 00 N 14 02 00 E, 608 m): **RMCA**: 75.056-M-0072, 75.056-M-0073, 75.056-M-0074, 75.056-M-0075, 75.056-M-0076, 75.056-M-0082, 75.056-M-0083, 75.056-M-0086, 75.056-M-0087, 75.056-M-0093, 75.056-M-0095, 75.056-M-0096, 75.056-M-0097 - Mbalmayo (03 31 00 N 11 30 00 E, 335 m): **RMCA**: 33505 - Mesea (03 00 00 N 14 06 00 E): **RMCA**: 77.032-M-0177, 77.032-M-0178, 77.032-M-0179, 77.032-M-0180, 77.032-M-0181 - Moliko, CDC Banana plantation (0409N 0912E): **ROM**: 55577, 55580, 55592, 55593, 55594, 55595, 55596, 55597 - Mount Cameroon (0413N 0910E, 1768 m): **USNM**: 318302, 318303 - Mpundu (0413N 0924E): **ROM**: 56931, 56932, 56933, 56935, 56936, 56937, 68990 - Muyuka [= Muea] (0415N 0924E): **ROM**: 58364, 58365 - Nkoélon village (02 23.831 N 10 02.691 E): **MNHN**: ZM-2011-663, ZM-2011-664, ZM-2011-665, ZM-2011-666, ZM-2011-667 - Nkolbisson (03 53 N 11 27 E, 739 m): **MNHN**: ZM-MO-1979-176 - Nkometou (04 03 00 N 11 33 00 E, 613 m): **RMCA**: 73.015-M-0053, 73.015-M-0054, 73.015-M-0055, 73.015-M-0056, 73.015-M-0057, 73.015-M-0058, 73.015-M-0059, 73.015-M-0060, 73.015-M-0061 - Ntui, 7 km N (ca. 04 27 N 11 38 E): **MNHN**: ZM-MO-1979-166, ZM-MO-1979-167 - Oveng (02 25 00 N 12 16 00 E, 608 m): **RMCA**: 73.018-M-0074, 73.018-M-0079, 73.018-M-0080, 73.018-M-0081, 73.018-M-0082, 73.018-M-0083, 73.018-M-0084, 73.018-M-0085 - Sakbayeme (0402N 1034E): **MCZ**: 19397 - Sangmelima (0256N 1159E): **CM**: 9507; **MCZ**: 34185 - Somalomo (03 23 N 12 44 E, 629 m): **ZMA**: MAM.23521, MAM.23522, MAM.23523, MAM.23524 - Sud-Ouest region: **SMF**: 43671, 43672, 43673, 68263, 68264, 68265, 68266, 68267, 68268, 68269, 68270, 68271, 68272 - Tisongo, Lake (0325N 0954E): **USNM**: 511910, 511911, 511946, 511947, 511948 - Tombel (0446N 0938E): **ROM**: 30237, 39236, 39238, 39239, 39240, 39241, 39242, 39243, 39244, 39245, 39246, 39247, 39248, 39249, 39250, 39266, 39267, 39268, 39269, 39270, 39271, 39272, 39273, 39274, 39275, 39276, 39277, 39278, 39279, 39280, 39281, 39282, 39283, 39284, 39285, 39286, 39287, 39288, 39289, 39290, 43428, 43429, 43430, 43442, 43443, 43444, 43445, 43446, 43447, 43448, 43449, 43450, 43451, 43452, 43453, 43454, 43455, 43456, 43457, 43458, 43459, 43460, 43461, 43462, 43463, 43464, 43465, 43466 - Tonde (04 55 00 N 13 54 00 E): **RMCA**: 73.029-M-0005 - Tote Tea Forest (0409N 0913E): **ROM**: 56992, 56998, 56999 - Yaounde (0352N 1131E, 726 m): **MNHN**: ZM-MO-1979-178 - Zoulabot II (02 54 00 N 13 53 00 E, 517 m): **RMCA**: 75.056-M-0061.

Central African Republic:

Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268357, 268358, 268359, 268360 - Kpoka cave (case?) (03 50 N 17 18 E): **MNHN**: ZM-2011-706 - Mongoumba (03 38 30 N 18 35 37 E, 337 m): **MNHN**: ZM-2011-707, ZM-2011-708.

Congo:

Bongolo (03 35 S 12 15 E, 252 m): **FMNH**: 73819, 73820.

Congo (Democratic Republic of the):

Unknown locality: **BMNH**: 1990.224; **SMF**: 92984 - Aketi (02 50 N 23 56 E, 500 m): **UNIKIS**: AKETI608, AKETI609, AKETI610, AKETI611, AKETI612, AKETI613, AKETI614 - Ba Balaye (05 05 00 S 22 03 00 E): **RMCA**: 78.020-M-0001 - Baliko (00 16 00 S 20 49 00 E, 388 m): **RMCA**: a1.097-M-0410, a1.097-M-0411 - Baliko (00 16 S 20 49 E, 358 m): **FMNH**: 219589, 219590, 219591 - Banana (060100S 122400E, 0 m): **SMF**: 2513 - Bene Longo (04 52 00 S 21 40 00 E): **RMCA**: 79.022-M-0007 - Beno (03 37 00 S 17 48 00 E, 281 m): **BMNH**: 1954.787 - Bikoro (00 45 00 S 18 07 00 E, 344 m): **RMCA**: 6548 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 35635, 35636, 35637, 35638, 38686, 38687, 38688, 38689, 38690, 38691, 38692, 38693, 38694, 38695, 38696, 38697, 38698, 38699, 38700, 38701, 38702, 38703, 38704, 38705, 38817, 38818, 75.035-M-0001, 75.035-M-0004, 75.035-M-0005, 75.035-M-0006, 75.035-M-0007, 75.035-M-0008, 75.035-M-0009, 75.035-M-0010, 75.035-M-0011, 75.035-M-0012, 75.035-M-0013, 75.035-M-0014, 75.035-M-0015, 75.035-M-0016, 75.035-M-0017, 75.035-M-0018, 75.035-M-0019 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 22031 - Bomane (01 18 N 23 47 E, 429 m): **UNIKIS**: CRT2054, CRT2055, CRT2056, CRT2076, CRT2159, CRT2171, CRT2174, CRT2190, CRT2192, CRT2194 - Byonga (03 21 00 S 28 08 00 E): **RMCA**: 33288 - Epulu (01 23 45 N 28 34 40 E, 750 m): **UNIKIS**: EPLU630, EPLU632, EPLU654, EPLU658, EPLU659, EPLU662, EPLU665, EPLU666, EPLU667, EPLU668, EPLU671, EPLU672, EPLU673, EPLU674, EPLU675, EPLU681, EPLU685, EPLU694, EPLU699, EPLU700, EPLU703, EPLU704, EPLU705 - Epulu (012345N 283440E, 750 m): **RMCA**: 90.031-M-0001 - Epulu, 2 km W (ca. 012345N 283440E, 750 m): **FMNH**: 149392, 149393, 149394, 149395, 149396, 149397, 149398, 149399, 149400, 149401 - Equateur (former) province: **SMF**: 84407, 84408, 84409 - Forest NE of Luki Biosphere Reserve (ca. 05 38 24 S 13 12 30 E): **ZMA**: MAM.26275 - Ibembo (0238N 2337E, 420 m): **RMCA**: 19857 - Ikela (011100S 231600E, 425 m): **RMCA**: 27017 - Île Mafi (00 28 20 N 25 17 00 E): **UNIKIS**: CHIMA54 - île Mbiye (00 27 50 N 25 17 14 E, 413 m): **RMCA**: a1.097-M-3199, a1.097-M-3200, a1.097-M-3201, a1.097-M-3202, a1.097-M-3203, a1.097-M-3204, a1.097-M-3205, a1.097-M-3206, a1.097-M-3207, a1.097-M-3208, a1.097-M-3209, a1.097-M-3210, a1.097-M-3211; **UNIKIS**: ABCHIM03, ABCHIM04, ABCHIM05, ABCHIM06, CHIM01, CHIM018/14, CHIM021/14, CHIM022/14, CHIM023/14, CHIM04/14, CHIM09, CHIM17, CHIM24, CHIM25, CHIM36, CHIM37, CHIMTB02, CHIMTB03, CHIMTB04, CHIMTB05, CHIMTB06, CHIMTB07, CHIMTB08, CHIMTB09, CHIMTB10 - Irangi (0154S 2827E): **SMF**: 65001, 65002, 65003, 65004; **ZMA**: MAM.24195, MAM.24196 - Kakanda cave (104700S 263600E, 1438 m): **RMCA**: 33065, 38566 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 20429 (Paratype *Megaloglossus woermanni prigoginei*), 32394 (Paratype *Megaloglossus woermanni prigoginei*), 33291, 35073, 35074, 38626 - Kamueshi (06 12 00 S 21 26 00 E, 608 m): **RMCA**: 79.032-M-0014 - Kamusimbi (03 01 00 S 28 13 00 E): **RMCA**: 38625 - Kananga (05 53 45 S 22 25 04 E, 608 m): **AMNH**: 212578 - Karambi (02 45 02 S 28 38 24 E): **ZMA**: MAM.24564, MAM.24565 - Kikole-Pecheur: **SMF**: 58067, 58068 - Kiliza (river) (03 22 16 S 28 01 22 E): **RMCA**: 32577 (Holotype *Megaloglossus woermanni prigoginei*), 32578 (Paratype *Megaloglossus woermanni prigoginei*), 32579 (Paratype *Megaloglossus woermanni prigoginei*), 32582 (Paratype *Megaloglossus woermanni prigoginei*), 32583 (Paratype *Megaloglossus woermanni prigoginei*) - Kinshasa City province: **SMF**: 93297, 93298, 93299, 93300, 93301, 93302, 93303, 93304, 93305, 93306, 93307, 93308, 93309, 93310, 93311, 93312, 93313, 93314, 93315, 93316, 93317 - Kinzambi mission (04 58 38 S 18 46 28 E, 312 m): **MSB**: 274831, 274832, 274834, 274835, 274929, 274930; **RMCA**: 97.021-M-0762, 97.021-M-0763, 97.021-M-0764, 97.021-M-0765, 97.021-M-0766, 97.021-M-0767, 97.021-M-0768, 97.021-M-0769, 97.021-M-0770, 97.021-M-0771 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 82.031-M-0011 - Kitongo (03 46 00 S 28 11 00 E, 1400 m): **RMCA**: 32580 (Paratype *Megaloglossus woermanni prigoginei*), 32581 (Paratype *Megaloglossus woermanni prigoginei*) - Kona (02 02 N 22 47 E): **UNIKIS**: CRT1908, CRT1912, CRT1913, CRT1914, CRT1915, CRT1919, CRT1922, CRT1923, CRT1924, CRT1927, CRT1928, CRT1930, CRT1931, CRT1932, CRT1933, CRT1934, CRT1935, CRT1936, CRT1938, CRT1941, CRT1946, CRT1951, CRT1952, CRT1954, CRT1955, CRT1956, CRT1957, CRT1961, CRT1962, CRT1964, CRT1965, CRT1985, CRT1986, CRT1987, CRT1988, CRT1989, CRT1990, CRT1998, CRT2002, CRT2004, CRT2005, CRT2006, CRT2007, CRT2008, CRT2009, CRT2010, CRT2013, CRT2191, CRT2193 - Konyola (00 03 00 N 25 12 00 E): **RMCA**: 88.025-M-0004 - Lieki (00 41 11 N 24 11 00 E, 508 m): **UNIKIS**: CRT2024, CRT2025, CRT2026, CRT2027, CRT2031, CRT2049, CRT2053 - Luki Biosphere Reserve (05 38 24 S 13 12 30 E): **FMNH**: 222419, 222420 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86771, 86908 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 33341, 33342, 33343, 33344, 33345, 33346, 33370, 33371, 33553, 33554, 33603, 33604 - Lundjulu (002000S 283600E, 1300 m): **RMCA**: 21586 (Paratype *Megaloglossus woermanni prigoginei*) - Malembe (ca. 01 26 S 28 04 E): **ZMA**: MAM.24566 - Mandima (ca. 01 21 00 N 29 03 00 E): **MHNG**: 1872.090 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0060, 93.079-M-0061, 93.079-M-0062, 93.079-M-0063, 93.079-M-0064, 93.079-M-0065, 93.079-M-0066, 93.079-M-0067, 93.079-M-0068, 93.079-M-0069, 93.079-M-0070, 93.079-M-0071, 93.079-M-0072, 93.079-M-0073, 93.079-M-0074, 93.079-M-0075, 93.079-M-0076, 93.079-M-0077, 93.079-M-0078, 93.079-M-0079, 93.079-M-0080, 93.079-M-0081, 93.079-M-0082, 93.079-M-0083, 93.079-M-0084, 93.079-M-0085, 93.079-M-0086, 93.079-M-0087, 93.079-M-0088, 93.079-M-0089, 93.079-M-0090, 93.079-M-0091, 93.079-M-0229, 93.079-M-0230, 93.079-M-0231, 93.079-M-0232, 93.079-M-0233, 93.079-M-0234, 93.079-M-0235, 93.079-M-0236, 93.079-M-0237, 93.079-M-0238, 93.079-M-0239, 93.079-M-0240, 93.079-M-0241, 93.079-M-0242, 93.079-M-0257, 93.079-M-0258, 93.079-M-0259, 93.079-M-0260, 93.079-M-0261, 93.079-M-0268, 93.079-M-0269, 93.079-M-0280, 93.079-M-0293, 93.079-M-0294, 93.079-M-0295, 93.079-M-0296, 93.079-M-0297, 93.079-M-0298, 93.079-M-0299, 93.079-M-0300, 93.079-M-0301, 93.079-M-0369 - Masako (00 36 N 25 13 E): **UNIKIS**: CHMS067, CHMS069, CHMS073, CHMS074 - Mbalaka (plantation) (05 00 00 S 18 53 00 E): **RMCA**: 97.021-M-0760, 97.021-M-0761 - Mbwambala (05 03 00 S 18 55 00 E): **MSB**: 274635, 274636, 274637, 274638, 274643, 274644, 274646, 274647, 274648; **RMCA**: 97.021-M-0750, 97.021-M-0751, 97.021-M-0752, 97.021-M-0753, 97.021-M-0754, 97.021-M-0755, 97.021-M-0756, 97.021-M-0757, 97.021-M-0758, 97.021-M-0759 - Mukwaya (06 32 00 S 23 26 00 E): **RMCA**: 79.032-M-0015 - Munga (03 35 00 S 28 13 00 E): **RMCA**: 79.033-M-0001 - Mwenge (03 42 00 S 28 10 00 E, 1100 m): **RMCA**: 35075 - Ngula (04 45 00 S 18 11 00 E, 549 m): **RMCA**: 77.021-M-0009, 77.021-M-0010, 77.021-M-0012, 77.021-M-0013, 77.021-M-0014, 77.021-M-0016, 77.031-M-0001 - Obenge (01 23 S 025 02 E): **UNIKIS**: TLL381, TLL382, TLL383, TLL384 - Quatorze (00 10 04 N 20 55 34 E, 326 m): **FMNH**: 222416, 222417, 222418, 222620, 222621 - Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL486, RBTL487, RBTL488, RBTL489, RBTL490, RBTL491, RBTL495, RBTL521, RBTL522, RBTL548, RBTL549, RBTL550, RBTL551, RBTL555, RBTL556, RBTL562, RBTL563, RBTL564, RBTL576, RBTL577 - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 537700 - Topetope (02 16 00 S 28 03 00 E, 1390 m): **RMCA**: 34382, 34383, 34385, 34386 - Tshakala (00 27 27 N 25 32 05 E, 453 m): **RMCA**: 82.019-M-0013, 82.019-M-0014, 82.019-M-0015, 82.019-M-0016, 82.019-M-0017, 82.019-M-0018, 82.019-M-0019, 82.019-M-0020, 82.019-M-0021 - Tshimputu (05 48 00 S 22 19 00 E): **RMCA**: 75.061-M-0007 - Tshuapa district (00 13 S 20 52 E): **RMCA**: 34168, 34171, 34172, 34173, 34176, 34177, 34178, 34180

- Uma (00 32 21 N 025 54 05 E, 508 m): **UNIKIS**: UMA544 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 91.076-M-0056, 91.076-M-0063, 91.076-M-0072, 91.076-M-0073, 91.076-M-0078, 92.079-M-0014, 92.079-M-0015, 92.079-M-0016, 92.079-M-0017, 92.079-M-0018, 92.079-M-0019, 92.079-M-0020, 92.079-M-0021, 92.079-M-0022, 92.079-M-0023, 92.079-M-0024, 92.079-M-0025, 92.079-M-0125, 92.079-M-0126 - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT1809, CRT1812, CRT1814, CRT1846, CRT2361 - Yoko (00 17 N 25 17 E): **RMCA**: a1.097-M-3197, a1.097-M-3198; **UNIKIS**: YK002CH - Zookis (00 31 N 25 12 E, 447 m): **UNIKIS**: CSB2, CSB5, CSB6, ZCH01, ZCH02, ZCH03, ZCH04, ZCH07, ZCH08, ZCH09, ZCH10, ZCH11.

Equatorial Guinea:

Engong (01 53 N 10 17 E, 325 m): **MSB**: 28891 - Evuenam (01 29 N 09 47 E, 469 m): **MSB**: 25217.

Gabon:

Bélinga (01 08 00 N 13 07 00 E, 390 m): **CUMV**: 16052, 20342; **MNHN**: ZM-MO-1983-1038, ZM-MO-1983-1039, ZM-MO-1983-1040, ZM-MO-1983-1041, ZM-MO-1983-1042, ZM-MO-1983-1043, ZM-MO-1983-1044, ZM-MO-1983-1045, ZM-MO-1983-1046, ZM-MO-1983-1047, ZM-MO-1983-1048, ZM-MO-1983-1049, ZM-MO-1983-1050, ZM-MO-1983-1051, ZM-MO-1983-1052, ZM-MO-1983-1053, ZM-MO-1983-1054, ZM-MO-1983-1055, ZM-MO-1983-1056, ZM-MO-1983-1057, ZM-MO-1983-1491; **ZMA**: MAM.07809, MAM.07810, MAM.07811, MAM.07812, MAM.07813, MAM.07814, MAM.07815, MAM.07816, MAM.07817, MAM.20619, MAM.20620, MAM.20621, MAM.20622, MAM.20623, MAM.20624, MAM.20625, MAM.20626, MAM.20627, MAM.20628, MAM.20629, MAM.20630, MAM.20631, MAM.20632, MAM.20633, MAM.20634, MAM.20635, MAM.20636, MAM.20637, MAM.20638, MAM.20639, MAM.20640, MAM.20641, MAM.20642, MAM.20643, MAM.20644, MAM.20645, MAM.20646 - Makokou (00 34 00 N 12 52 00 E, 308 m): **ZMA**: MAM.07818, MAM.20616, MAM.20617, MAM.20618 - Moukalaba Reserve (0217S 1030E, 110 m): **FMNH**: 167756, 167757 - Mvadi, near (011300N 131200E, 385 m): **AMNH**: 216586, 216587 - Ossengue Camp site (0156S 0954E): **USNM**: 584698 - Port Gentile (0043S 0847E, 1 m): **FMNH**: 73818 - Rabi Oil Field (0156S 0954E): **USNM**: 584692, 584835 - Rabi Oil Field, 3 km N airport terminal (0155S 0953E): **USNM**: 584693, 584694 - Ssibange [Sibange] farm: **ZMB**: 54589 (Holotype *Megaloglossus woermanni*) - Toucan Site (0148S 0954E): **USNM**: 584695, 584696, 584697.

Nigeria:

Unknown locality: **BMNH**: 1976.1836 - Ayip Eku (05 35 N 08 45 E): **ROM**: 86930, 86939, 86940 - Calabar, 15 mi [=24 km] N (05 13 N 08 12 E): **USNM**: 377110 - Ikang (04 47 23 N 08 31 54 E, 19 m): **ZMA**: MAM.18603, MAM.18604, MAM.18605.

Uganda:

Bundimusuba: **LACM**: 51641 - Bwindi-Impenetrable National Park (0102S 2943E, 1500 m): **FMNH**: 160240 - Byumba (0056S 2942E, 1540 m): **FMNH**: 160241, 160242, 160243, 160244, 160245, 160249 - Itama area: **LACM**: 35508 - Mongiro: **LACM**: 51654 - Ngoto Swamp (0053S 2944E, 1500 m): **FMNH**: 160250, 160251 - Ntandi (004800N 300900E): **LACM**: 51642, 51643, 51644, 51645, 51655, 51656 - Ntandi (0048N 3009E, 1106 m): **ROM**: 49296 - Nteko Parish (01 02 16 S 29 36 E, 1600 m): **FMNH**: 160246, 160247, 160248, 160252 - Toro (0030N 3000E): **ROM**: 78109 - Zika (0007N 3230E): **AMS**: M.29720.

Micropteropus Matschie, 1899

Congo (Democratic Republic of the):

Kikwit (05 03 44S 18 52 38 E, 438 m): **UNIKIS**: KKT2848, KKT2849, KKT2850, KKT2851, KKT2852, KKT2853, KKT2854, KKT2855, KKT2856, KKT2857, KKT2858, KKT2859, KKT2861, KKT2862, KKT2863, KKT2864, KKT2865, KKT2866, KKT2877 - Rethy (02 05 11 N 030 53 46 E, 2116 m): **UNIKIS**: ITU706, ITU710, ITU712, ITU714.

Côte d'Ivoire:

Dabakala (0822N 0426W, 249 m): **FMNH**: 58891, 58892, 58893, 58895, 58896, 58897, 58898, 58900 - Kadioa, near (0858N 0553W): **FMNH**: 58901, 58902, 58903.

Micropteropus intermedius Hayman, 1963

Angola:

Dundo (0724S 2047E): **BMNH**: 1962.2073.

Congo (Democratic Republic of the):

Banana or Netonna (ca. 05 58 S 12 27 E): **SMF**: 2509 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 32380, 34406, 34409 - Thysville (051500S 145200E, 604 m): **RMCA**: 22661.

Micropteropus pusillus (Peters, 1868)

"Africa":

Unknown locality: **NCSM**: 16920; **ORSTOM**: C784; **RMCA**: 95.003-M-0009; **SMF**: 32510; **ZMA**: MAM.16720, MAM.26450, MAM.26451 - Sanaga Nyong-Dja: **MNHN**: ZM-MO-1982-957, ZM-MO-1982-958, ZM-MO-1982-959, ZM-MO-1982-960.

Angola:

Canhoca (09.13S 14.63E): **BMNH**: 1904.4.9.10, 1904.4.9.9 - Catete (09.13S 13.63E): **NMBA**: 5826, 5827, 5828 - Chinchoxo (ca. 0504S 1202E): **ZMB**: 4802 - Dando (11.13S 17.38E): **CZL**: 3159025 - Dundo (0722S 2050E, 726m): **MDL**: 5031 - Dundo (0724S 2047E, 726m): **FMNH**: 66449, 66450, 66451 - Malange [= Malanje] (ca. 1115S 1701E): **ZMB**: 5851 - Pungo Andongo [Quibula, Cahata] (0940S 1535E, 1200 m): **ZMB**: 5221.

Benin:

Agouagon (07 59 N 02 17 E, 155 m): **MNHN**: ZM-MO-1911-850A, ZM-MO-1911-850B - Agouagou (0621N 0226E): **MNHN**: ZM-MO-1911-890 - Bimbereke (1014N 0240E, 449 m): **USNM**: 421255, 421256, 421257, 421258, 421259, 421260 - Diho (0805N 0231E, 152 m): **USNM**: 421253, 421254, 478556, 478557, 478558 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 421261 - Kouande (1020N 0141E): **USNM**: 438855, 438856 - Parakou (09 21 N 02 37 E, 324 m): **USNM**: 421264, 421265 - Pendjari Park (ca. 1120N 0130E): **ROM**: 83920, 83921, 83922, 83923, 83924 - Porto-Novo or Abomey: **MNHN**: ZM-MO-1912-446 - Segbana (1056N 0342E): **USNM**: 421262, 421263.

Burkina Faso:

Unknown locality: **SMF**: 60909, 60910, 60911 - Djipologo (1056N 0307W): **USNM**: 467913 - Fô (11 53 N 04 31 W, 453 m): **USNM**: 467911 - Koutoura, 5 km SW (1019N 0453W): **USNM**: 467912 - Nobere, 1.5 km S (1136N 0118W): **ROM**: 79811 - Nobéré, 9 mi S (ca. 1126N 0110W): **USNM**: 450478.

Burundi:

Resha (0354S 2924E): **SMF**: 57493, 57494, 57495.

Cameroon:

Unknown locality: **MNHN**: ZM-MO-1983-1100 - Bafut Agyati, 2 km E (ca. 0605N 1006E): **ROM**: 55871, 55872, 55873, 55874 - Banyo, 30 km ESE (ca. 06 47 N 12 00 E): **BRTC**: 28510, 28511; **ROM**: 55907, 55908, 55909, 55910, 55911, 55912, 55923, 55924, 55925, 55926, 55928, 55929, 55931, 55932, 55933, 55934, 55935, 55938, 55939, 55940, 55941, 55942, 55944, 55945, 55946, 55947, 55948 - Bota (04 01 43 N 09 11 15 E, 109 m): **ROM**: 43330, 43338, 46807 - Boukma (08 32 00 N 13 55 00 E, 254 m): **RMCA**: 73.017-M-0715, 73.017-M-0716, 73.017-M-0717 - Buéa (04 09 34 N 09 14 12 E, 1850 m): **ROM**: 57020, 57025, 57028 - Buéa (04 09 34 N 09 14 12 E, 895 - 1850 m): **SMF**: 68237, 68238, 68239, 68240, 68241, 68242, 68243, 68244, 68245, 68246, 68247 - Buea station, 2 km S (0409N 0912E): **ROM**: 68927 - Buea Town Forest (040934N 091412E): **ROM**: 56977, 56978 - Campo (02 22 00 N 09 49 00 E, 0 m): **RMCA**: 75.056-M-0142 - CDC Banana Research Station (0409N 0913E): **ROM**: 58302, 58304, 58305, 58306, 58307, 58308, 58314, 58315, 58316, 58317, 58318, 58319, 58320, 58327, 58336, 58337, 58338, 58343, 58344, 58345, 58346, 58347, 58348, 58349, 58350, 58351, 58352, 58353, 58354, 58355, 58356, 58357, 58359, 58360, 58361, 58362 - Djohong (06 50 00 N 14 42 00 E, 1242 m): **RMCA**: 73.016-M-0386 - Ekona (0415N 0919E): **ROM**: 46836, 46861, 46862, 46863 - Eséka, 5 km SW (ca. 0340N 1045E): **AMNH**: 236277 - Galim (07 06 00 N 12 29 00 E, 1120 m): **RMCA**: 73.016-M-0029, 73.016-M-0030, 73.016-M-0031, 73.016-M-0032, 73.016-M-0033, 73.016-M-0034, 73.016-M-0035, 73.016-M-0036, 73.016-M-0037, 73.016-M-0038, 73.016-M-0039, 73.016-M-0040, 73.016-M-0041, 73.016-M-0042, 73.016-M-0043, 73.016-M-0044, 73.016-M-0045, 73.016-M-0046, 73.016-M-0047, 73.016-M-0048, 73.016-M-0049, 73.016-M-0050, 73.016-M-0051, 73.016-M-0052, 73.016-M-0053, 73.016-M-0054, 73.016-M-0058, 73.016-M-0059, 73.016-M-0060, 73.016-M-0061, 73.016-M-0062, 73.016-M-0063, 73.016-M-0064, 73.016-M-0065, 73.016-M-0066, 73.016-M-0067, 73.016-M-0068, 73.016-M-0069, 73.016-M-0070, 73.016-M-0071, 73.016-M-0072, 73.016-M-0073, 73.016-M-0074, 73.016-M-0075, 73.016-M-0076, 73.016-M-0077, 73.016-M-0078, 73.016-M-0079, 73.016-M-0080, 73.016-M-0081, 73.016-M-0082, 73.016-M-0083, 73.016-M-0084, 73.016-M-0085, 73.016-M-0086, 73.016-M-0087, 73.016-M-0088, 73.016-M-0089, 73.016-M-0090, 73.016-M-0091, 73.016-M-0092, 73.016-M-0093, 73.016-M-0094, 73.016-M-0095, 73.016-M-0096, 73.016-M-0097, 73.016-M-0098, 73.016-M-0357, 73.016-M-0358, 73.016-M-0359, 73.016-M-0360, 73.016-M-0361, 73.016-M-0362, 73.016-M-0363, 73.016-M-0364, 73.016-M-0365, 73.016-M-0366, 73.016-M-0367, 73.016-M-0368, 73.016-M-0369, 73.016-M-0370, 73.016-M-0371, 73.016-M-0372, 73.016-M-0373, 73.016-M-0374, 73.016-M-0375, 73.016-M-0376, 73.016-M-0377, 73.016-M-0378, 73.016-M-0379, 73.016-M-0380, 73.016-M-0381, 73.016-M-0382, 73.016-M-0383, 73.016-M-0384, 73.016-M-0385 - Great Soppo (0409N 0912E): **ROM**: 68996 - Great Soppo Forest (040917N 091434E, 824 m): **ROM**: 55548, 55554, 55562, 55563, 55564, 55574, 56906, 56910, 56917 - Hardé 2 (10 35 30.2 N 14 19 51.4 E, 422 m): **LZUM**: BFEM 095 - Kombé-Tiko (04 40 00 N 14 35 00 E, 676 m): **RMCA**: 76.014-M-0027, 76.014-M-0028, 76.014-M-0040, 76.014-M-0041, 76.014-M-0042, 76.014-M-0043 - Kounden (05 42 00 N 10 40 00 E, 1326 m): **RMCA**: 76.014-M-0029, 76.014-M-0030, 76.014-M-0031, 76.014-M-0032, 76.014-M-0033, 76.014-M-0034, 76.014-M-0035, 76.014-M-0036, 76.014-M-0037, 76.014-M-0038, 76.014-M-0228, 76.014-M-0238 - Koutaba (05 42 N 10 49 E, 1113 m): **MNHN**: ZM-MO-1979-242 - Koza (10 52 08 N 13 52 51 E, 485 m): **RMCA**: 75.003-M-0074, 75.003-M-0075, 75.003-M-0076, 75.003-M-0077, 75.003-M-0078, 75.003-M-0079, 75.003-M-0080 - Kribi (0255N 0955E): **ROM**: 54933 - Kribi (025700N 095500E, 13 m): **MNHN**: ZM-MO-1979-232, ZM-MO-1979-233 - Lékoun (04 13 00 N 11 14 00 E, 499 m): **RMCA**: 73.029-M-0148, 73.029-M-0149, 74.009-M-0002, 74.009-M-0003 - Lolabé (02 40 00 N 09 51 00 E): **ZMA**: MAM.23518, MAM.23519 - Malako River (0427N 1137E): **ROM**: 56118, 56119, 56120, 56121, 56122, 56123, 56124 - Mayo Darle, 6 km N (ca. 0628N 1133E): **ROM**: 55894, 55895, 55896, 55897, 55898, 55899 - Mbakaou (06 19 00 N 12 49 00 E, 833 m): **RMCA**: 73.018-M-0058, 73.018-M-0059, 73.018-M-0060, 73.018-M-0061, 73.018-M-0062, 73.018-M-0063, 73.018-M-0064, 73.018-M-0065, 73.018-M-0066, 73.018-M-0067, 73.018-M-0068, 73.018-M-0069, 73.018-M-0070, 73.018-M-0071, 73.018-M-0072, 73.018-M-0073, 73.018-M-0184, 73.018-M-0185, 73.018-M-0186 - Mbokaon: **AMNH**: 236278, 236279 - Mbouda, 15 km SSE (0538N 1015E): **ROM**: 55836, 55837, 55838, 55839, 55840, 55841, 55842, 55843, 55844, 55845, 55846, 55848, 55849, 55862, 55863 - Meanja (0416N 0924E): **ROM**: 69089 - Meïganga (06 31 00 N 14 18 00 E, 978 m): **RMCA**: 73.017-M-0250, 73.017-M-0719, 73.017-M-0720, 73.017-M-0721 - Meng River (ca. 06 28 00 N 12 38 00 E): **ROM**: 55994, 55995, 56021, 56022, 56023, 56024, 56025 - Metchum River (0651N 0948E): **ROM**: 55865, 55866 - Mokolo (10 44 25 N 13 48 10 E, 760 m): **RMCA**: 73.015-M-0076 - Moliko (0409N 0912E): **ROM**: 55578, 55579, 55589, 55590 - Mount Manengouba (0500N 0950E, 1000 m): **MNHN**: ZM-MO-1979-221 - Mpundu (0413N 0924E): **ROM**: 56934, 56938 - Nachtigal (04 21 00 N 11 38 00 E, 454 m): **RMCA**: 73.029-M-0011, 73.029-M-0012, 73.029-M-0013, 73.029-M-0014, 73.029-M-0015, 73.029-M-0016, 73.029-M-0017, 73.029-M-0018, 73.029-M-0019, 73.029-M-0020, 73.029-M-0021, 73.029-M-0022, 73.029-M-0023, 73.029-M-0024, 73.029-M-0025, 73.029-M-0026, 73.029-M-0027, 73.029-M-0028, 73.029-M-0029, 73.029-M-0030, 73.029-M-0031, 73.029-M-0032, 73.029-M-0033, 73.029-M-0034, 73.029-M-0035, 73.029-M-0036, 73.029-M-0037, 73.029-M-0038, 73.029-M-0039, 73.029-M-0040, 73.029-M-0041, 73.029-M-0085, 73.029-M-0086, 73.029-M-0087, 73.029-M-0088 - Ngaoundéré, 14 km S (07 19 N 13 35 E, 1212 m): **AMNH**: 241019 - Nkolbisson (03 53 N 11 27 E, 739 m): **MNHN**: ZM-MO-1979-239 - Ntui (04 27 N 11 38 E, 558 m): **MNHN**: ZM-MO-1979-214, ZM-MO-1979-215, ZM-MO-1979-216, ZM-MO-1979-217 - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 55628, 55630, 56157 - Obala, 55 km NE (ca. 0422N 1158E): **TTU**: 17951 - Obala, 55 km NE (ca. 0440 N 1150E): **AMNH**: 241020 - Obala, 82 km NE (0446N 1151E): **TTU**: 17950 - Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0045, 73.017-M-0046, 73.017-M-0047, 73.017-M-0064, 73.017-M-0246, 73.017-M-0247, 73.017-M-0248, 73.017-M-0249 - small Soppo (0407N 0912E): **ROM**: 57001, 57029 - Tibati (06 28 00 N 12 38 00 E, 838 m): **BMNH**: 1923.1.22.8 - Tombel (0446N 0938E): **ROM**: 39210, 39230, 39232, 39233, 39234, 39235, 43340-b, 43397, 43398, 43399, 43400, 43401, 43402, 43431, 43432, 43433, 43434, 43435, 43436, 43437, 43438, 43439, 46864, 46865, 46866 - Tote Tea Forest (0409N 0913E): **ROM**: 56993, 57000 - Touroua (09 05 00 N 12 58 00 E, 202 m): **RMCA**: 76.014-M-0039 - Wakwa (07 14 00 N 13 35 00 E, 1143 m): **RMCA**: 73.017-M-0048, 73.017-M-0049, 73.017-M-0050, 73.017-M-0051, 73.017-M-0052, 73.017-M-0053, 73.017-M-0054, 73.017-M-0055, 73.017-M-0056, 73.017-M-0057, 73.017-M-0058, 73.017-M-0059, 73.017-M-0060, 73.017-M-0061, 73.017-M-0062, 73.017-M-0063, 73.017-M-0065, 73.017-M-0066 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0071, 73.015-M-0072, 73.015-M-0073, 73.015-M-0074, 73.015-M-0075, 73.016-M-0055, 73.016-M-0056, 73.016-M-0057, 73.016-M-0356, 73.017-M-0718 - Yaounde (0352N 1131E, 726 m): **MNHN**: ZM-MO-1979-225, ZM-MO-1979-226, ZM-MO-1979-231, ZM-MO-1979-234, ZM-MO-1979-244, ZM-MO-1979-245, ZM-MO-1979-249, ZM-MO-1979-250, ZM-MO-1979-251, ZM-MO-1979-253, ZM-MO-1979-255, ZM-MO-1979-257, ZM-MO-1979-258, ZM-MO-1979-260, ZM-

MO-1979-263, ZM-MO-1979-268, ZM-MO-1979-273 - Ydé: **SMF**: 68248, 68249, 68250, 68251 - Yoko, 15 km S (ca. 05 32 N 12 19 E): **MNHN**: ZM-MO-1979-284 - Yoko, 5 km S (ca. 05 32 N 12 19 E): **MNHN**: ZM-MO-1979-275, ZM-MO-1979-276.

Central African Republic:

Unknown locality: **BMNH**: 1979.2029, 1979.2030 - Bangassou (04 44 N 22 49 E, 457 m): **CM**: 40985, 40986, 40987, 40988, 40989 - Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-2011-709 - Bozoum (061900N 162300E, 721 m): **AMNH**: 88438 - La Landjia (04 22 00 N 18 39 00 E): **MNHN**: ZM-MO-1966-172 - Landjia (04 22 00 N 18 39 00 E): **RMCA**: 82.013-M-0001, 82.013-M-0002, 82.013-M-0003, 82.013-M-0004 - M'Baiki (0359N 1759E): **CM**: 40982, 40983, 40984 - Nguerengou (06 32 36 N 22 38 30 E): **MNHN**: ZM-2011-710.

Congo:

Unknown locality: **SMF**: 88527, 88528, 88529, 88530, 88531, 88532, 88533, 88534, 88535, 88536, 88537, 88538, 88539, 88540, 88541, 88542, 88543, 88544, 88545, 88546, 88547, 88548, 88549, 88550, 88551, 88552, 88553, 88554, 88555, 88556, 88557, 88558, 88559, 88560, 88561, 88562, 88563, 88564, 88565, 88566, 88567, 88568, 88569, 90037, 90038, 90039, 90040, 90041, 90042, 90043, 90044, 90045, 90046, 90047, 90048, 90049, 90050, 90051, 90052, 90053, 90054, 90055, 90056, 90057, 90058, 90059, 90060, 90061, 90062, 90063, 90064, 90065, 90066, 90067, 90068, 90069, 90070, 90071, 90072, 90073, 90074, 90075, 90076, 90077, 90078, 90079, 90080, 90081, 90082, 90083, 90084, 90085, 90086, 90087, 90088, 90089, 90090, 90091, 90092, 90093, 90094, 90095, 90096, 90097, 90098, 90099, 90100, 90101, 90102, 90103, 90104, 90105, 90106, 90107, 90108, 90109, 90110, 90111, 90112, 90113, 90114, 90115, 90116, 90117, 90118, 90119, 90120, 90121, 90122, 90123, 90124, 90125, 90126, 90127, 90128, 90129, 90130, 90131, 90132, 90133, 90134, 90135, 90136, 90137, 90138, 90139, 90140, 90141, 90142, 90143, 90144, 90145, 90146, 90147, 90148, 90149, 90150, 90151, 90152, 90153, 90154, 90155, 90156, 90157, 90158, 90159, 90160, 90161, 90162, 90163, 90164, 90165, 90166, 90167, 90168, 90169, 90170, 90171, 90172, 90173, 90174, 90175, 90176, 90177, 90178, 90179, 90180, 90181, 90182, 90183, 90184, 90185, 90186, 90187, 90188, 90189; **ZMA**: MAM.15805 - Centre ORSTOM (04 15 33 S 15 17 05 E, 155 m): **ZMA**: MAM.15885, MAM.15886, MAM.15887, MAM.15909, MAM.15910, MAM.15911, MAM.15912 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-2006-181, ZM-MO-1975-1003, ZM-MO-1975-1004 - Djambala (02 34 41 S 14 45 12 E, 622 m): **FMNH**: 73821 - Komono (031639S 131334E, 460 m): **AMNH**: 120312, 120313, 120314, 120315, 120316, 120317, 120318, 120319, 120320 - Pointe Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15870, MAM.15871, MAM.15874, MAM.15876, MAM.15897, MAM.15899, MAM.15901, MAM.15902, MAM.15903, MAM.15904 - Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15851, MAM.15852, MAM.15853, MAM.15854, MAM.15855, MAM.15856, MAM.15857, MAM.15858, MAM.15859, MAM.15860, MAM.15861, MAM.15862, MAM.15863, MAM.15864, MAM.15865, MAM.15866, MAM.15867, MAM.15868, MAM.15869, MAM.15872, MAM.15873, MAM.15875, MAM.15877, MAM.15878, MAM.15879, MAM.15880, MAM.15881, MAM.15882, MAM.15883, MAM.15884, MAM.15888, MAM.15889, MAM.15890, MAM.15891, MAM.15892, MAM.15893, MAM.15894, MAM.15895, MAM.15896, MAM.15898, MAM.15900, MAM.15905, MAM.15906, MAM.15907, MAM.15908 - Pointe-Noire (044741S 115046E, 1 m): **AMNH**: 120288, 120289, 120290 - Sibiti (03 41 09 S 13 20 45 E, 440 m): **MNHN**: ZM-MO-1975-1085, ZM-MO-1975-1086, ZM-MO-1975-1087, ZM-MO-1975-1088, ZM-MO-1975-1089, ZM-MO-1975-1090, ZM-MO-1975-1091, ZM-MO-1975-1092, ZM-MO-1975-1093, ZM-MO-1975-1094, ZM-MO-1983-1106, ZM-MO-1983-1107, ZM-MO-1983-1108, ZM-MO-1983-1109, ZM-MO-1983-1110, ZM-MO-1983-1111.

Congo (Democratic Republic of the):

Unknown locality: **BMNH**: 1990.223; **MNHN**: ZM-MO-1996-2470, ZM-MO-1996-2471; **RMCA**: 27375, 33562, 33564, 33583, 80.020-M-0004, 80.026-M-0010; **SMF**: 11744, 11746, 11747, 11750, 2505, 2506, 2507, 2508 - Bakwakenge (04 51 00 S 22 04 00 E, 461 m): **RMCA**: 79.022-M-0001, 80.013-M-0004, 80.013-M-0005 - Bas Congo (former) province (ca. 050000S 150000E): **RMCA**: 67 - Bengale (04 08 00 S 16 40 00 E): **RMCA**: 77.012-M-0002 - Beno (03 37 00 S 17 48 00 E, 281 m): **BMNH**: 1954.784, 1954.785; **RMCA**: 19477a, 19477b, 19477c, 19478 - Benza Masola (051200S 130000E): **RMCA**: 2099a, 2099b, 2099c - Benzale (04 08 00 S 16 40 00 E, 277 m): **RMCA**: 77.031-M-0008 - Biakabomba (06 27 00 S 21 02 00 E, 608 m): **RMCA**: 79.032-M-0002, 79.032-M-0003, 79.032-M-0004, 79.032-M-0005 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 35629, 35630, 35631, 35632, 35633, 35634, 38657, 38658, 38659, 38660, 38661, 38662, 38663, 38664, 38665, 38666, 38667, 38668, 38669, 38670, 38677, 38678, 38679, 38680, 38681, 38682, 38683, 38684, 38685 - Bokalakala (020800S 162200E, 252 m): **RMCA**: 19544 - Bokoro (02 50 00 S 18 23 00 E, 252 m): **RMCA**: 21297 - Boma (0551S 1303E, 61 m): **RMCA**: 1051, 12125e, 12125f, 12125g, 12125h, 12126a, 12126b, 12126c, 12126d, 12126e, 12126f, 12126g, 12126h, 12126i, 12126j, 12127a, 12127b, 12127c, 12127d, 12127e, 12127f, 12127g, 12127h, 12127i, 13947, 13951, 13954, 16181, 16216, 16219, 16220a, 6542, 6543, 6544, 6545, 7292, 7293, 7295, 7297 - Byonga (03 21 00 S 28 08 00 E): **RMCA**: 34800 - Catchpole's Farm (ca. 0128N 3004E, 1280 m): **FMNH**: 35684 - Cel II (ca. 03 55 00 N 29 22 00 E): **RBINS**: 13521.1, 13521.2; **RMCA**: 36555 - Cinputu (05 22 00 S 22 21 00 E): **RMCA**: 84.035-M-0009, 84.035-M-0012 - Congo da Lemba (05 42 00 S 13 04 00 E): **RMCA**: 1545, 408b - Dedegwa river (04 35 00 N 29 43 00 E): **RMCA**: 36554 - Faradje (03 44 00 N 29 43 00 E, 775 m): **RMCA**: a1.097-M-0553 - Fwa, lake (05 43 00 S 23 25 00 E): **RMCA**: 84.035-M-0008 - Ganda-Sundi (04 52 00 S 12 52 00 E, 294 m): **AMNH**: 86860, 86861; **RMCA**: 33262 - Gangala (034100N 290800E, 701 m): **RMCA**: 27426, 27427, 27428, 27429 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 11660 - Kabinda (06 08 00 S 24 29 00 E, 842 m): **RMCA**: 18148 - Kaniki Kapangu (06 45 00 S 23 31 00 E, 805 m): **RMCA**: 35278, 35280 - Kasai (ca. 06 00 S 22 00 E): **RMCA**: 83.025-M-0008, 83.025-M-0009, 83.025-M-0010, 83.025-M-0020, 83.025-M-0022 - Kaswabilenga (08 48 00 S 26 41 00 E, 700 m): **RBINS**: 10679, 10680, 10681, 10682, 10683, 10684 - Kavuaya (05 20 19 S 014 51 48 E): **RMCA**: a7.006-M-0012, a7.006-M-0013 - Kikole-Pecheur: **SMF**: 58058, 58059, 58060, 58061, 58062, 58063, 58064 - Kikwit ITPK (05 03 44 S 18 52 38 E, 438 m): **MSB**: 274975, 274976, 274977, 274978, 274979, 274985; **RMCA**: 97.021-M-0805, 97.021-M-0806, 97.021-M-0807, 97.021-M-0808, 97.021-M-0809 - Kimbinga market (05 08 S 19 038 E, 5858 m): **MSB**: 274577 - Kimpoko (04 14 04 S 15 33 01 E, 294 m): **MNHN**: ZM-MO-1986-1059, ZM-MO-1986-1060, ZM-MO-1986-1061, ZM-MO-1986-299; **RMCA**: 76.046-M-0001, 76.046-M-0002, 76.046-M-0003, 76.046-M-0004, 77.012-M-0003, 77.021-M-0011, 77.031-M-0002, 77.031-M-0003, 77.031-M-0004, 77.031-M-0005, 77.031-M-0006, 77.031-M-0007, 80.026-M-0002, 80.026-M-0003, 80.026-M-0004, 80.026-M-0005, 80.026-M-0006, 80.026-M-0007, 80.026-M-0008, 80.026-M-0009, 80.038-M-0003, 80.038-M-0004, 80.038-M-0005, 80.038-M-0006 - Kingabwa (04 18 00 S 15 18 00 E): **RMCA**: 76.010-M-0002 - Kinkole (03 57 S 16 07 E, 474 m): **ZMA**: MAM.21146, MAM.21147, MAM.21148 - Kinshasa (04 19 47 S 15 18 54 E, 240 m): **HZM**: 10.7795, 11.7796, 12.7797, 13.7798, 14.7799, 15.7800, 16.7801, 17.7802, 18.7803, 19.7804, 20.7805, 21.7806, 22.7807, 23.7808, 24.7809, 25.7810, 26.7811, 27.7812, 28.7813, 29.7814, 30.7815, 31.7816, 32.7817, 33.7818, 34.7819, 35.7820, 36.7821, 37.7822, 7.7792, 8.7793, 9.7794; **RMCA**: 93.097-M-0015, 93.097-M-0016, 93.097-M-0017, 93.097-M-0018, 93.097-M-0019, 93.097-M-0020, 93.097-M-0021 - Kinshasa City province: **SMF**: 92972, 92973, 92974, 92975, 92976, 92977, 92978, 93243, 93244, 93245, 93246, 93247, 93248, 93249, 93250, 93251, 93252, 93253, 93254, 93255,

93256, 93257, 93258, 93259, 93260, 93261, 93262, 93263, 93264, 93265, 93266, 93267, 93268, 93269, 93270, 93271, 93272, 93273, 93274, 93275, 93276, 93277, 93278, 93279, 93280 - Kinzambi mission (04 58 38 S 18 46 28 E, 312 m): **MSB**: 274943, 274944, 274945, 274946, 274947, 274948, 274949, 274951, 274952, 274953, 274954, 274955, 274956, 274957, 274958, 274959, 274960, 274961, 274962, 274964, 274965, 274966, 274967, 274968, 274969, 274970, 274971, 274972, 274973, 274974; **RMCA**: 97.021-M-0773, 97.021-M-0774, 97.021-M-0775, 97.021-M-0776, 97.021-M-0777, 97.021-M-0778, 97.021-M-0779, 97.021-M-0780, 97.021-M-0781, 97.021-M-0782, 97.021-M-0783, 97.021-M-0784, 97.021-M-0785, 97.021-M-0786, 97.021-M-0787, 97.021-M-0788, 97.021-M-0789, 97.021-M-0790, 97.021-M-0791, 97.021-M-0792, 97.021-M-0793, 97.021-M-0794, 97.021-M-0795, 97.021-M-0796, 97.021-M-0797, 97.021-M-0798, 97.021-M-0799, 97.021-M-0800, 97.021-M-0801, 97.021-M-0802, 97.021-M-0803, 97.021-M-0804, 97.021-M-0849 - Kitimi (03 58 00 S 15 53 00 E): **RMCA**: 80.006-M-0001, 80.006-M-0002, 80.006-M-0003 - Kitombongo (08 53 56 S 26 23 25 E, 608 m): **MNHN**: ZM-2011-807, ZM-2011-808, ZM-2011-809 - Kitutu (03 17 14 S 28 05 08 E, 1040 m): **RMCA**: 32406 - Kuili (04 24 00 S 17 42 00 E): **RMCA**: 77.031-M-0010, 77.031-M-0011 - Kuili Ngongo (04 24 00 S 17 42 00 E): **RMCA**: 77.012-M-0001, 77.012-M-0005, 77.012-M-0006 - Kwamouth (03 10 00 S 16 12 00 E, 146 m): **RMCA**: 6546 - Kwango (06 28 14 S 17 26 55 E, 1020 m): **RMCA**: 77.012-M-0004, 77.021-M-0015, 77.031-M-0009 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 1431, 1538b, 17656 - Lovanium university (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 32612, 32613, 32614, 32615, 32616, 32617, 32618, 32619, 32620, 32621, 32622, 32623, 32783; **ZMA**: MAM.11164 - Lubondai-Tshimbulu (063400S 223900E, 794 m): **RMCA**: 26274 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86862, 86905 - Lukonga (05 48 00 S 22 37 00 E, 632 m): **RMCA**: 80.013-M-0006 - Luluabourg (055345S 222504E, 608 m): **AMNH**: 206836, 206837, 206838, 206839, 206840, 206841, 206842; **BMNH**: 1926.7.6.60, 1926.7.6.61; **KU**: 125197; **RMCA**: 32363, 32364, 32365, 32366, 32367, 32368, 32369, 32370, 32371, 32372, 32373, 32374, 32375, 32376, 32377, 32379, 32381, 32382, 32383, 32384, 32385, 32386, 32640, 32641, 32642, 32643, 32644, 32645, 32646, 32647, 32648, 32649, 32673, 32674, 32675, 32676, 32677, 32678, 32679, 32680, 32681, 32682, 32683, 32684, 32685, 32686, 32687, 32688, 32689, 32691, 32692, 32693, 32694, 32695, 32696, 32697, 32768, 33320, 33321, 33322, 33323, 33324, 33325, 33326, 33327, 33328, 33329, 33330, 33331, 33415, 33416, 33417, 33418, 33419, 33420, 33421, 33422, 33423, 33424, 33425, 33426, 33427, 33428, 33429, 33430, 33431, 33432, 33433, 33434, 33435, 33436, 33437, 33438, 33439, 33440, 33441, 33442, 33443, 33444, 33445, 33446, 33447, 33448, 33555, 33556, 33557, 33558, 33559, 33560, 33561, 33563, 33565, 33566, 33567, 33572, 33573, 33574, 33575, 33576, 33577, 33578, 33579, 33580, 33581, 33582, 33584, 33645, 33653, 33654, 33655, 33656, 33657, 33658, 33659, 33660, 33661, 33662, 33663, 33664, 33665, 33666, 33667, 33668, 33669, 33670, 33671, 33672, 33673, 33674, 33675, 33676, 33677, 33678, 33679, 33680, 33681, 33682, 33683, 34407, 34408, 34410, 34411, 34412, 34413, 34414, 34415, 34416, 34417, 34418, 34419, 34420, 35281, 35610, 35611, 35612, 35613, 7547, 7548 - Make (04 36 00 S 15 10 00E): **RMCA**: 89.057-M-0004, 92.119-M-0004, 92.148-M-0003, 93.097-M-0014 - Makengo (04 46 00 S 16 19 00 E, 611 m): **RMCA**: 18160 - Masaba (04 33 00 S 16 54 00 E): **RMCA**: 77.012-M-0007 - Mbalaka (plantation) (05 00 00 S 18 53 00 E): **RMCA**: 97.021-M-0772 - Mbawu (05 54 00 S 22 25 00 E): **RMCA**: 79.032-M-0010, 79.032-M-0011, 79.032-M-0012 - Mbelekelo (03 20 00 S 28 04 00 E, 1100 m): **RMCA**: 33287 - Mboga (01 03 N 29 56 E, 1562 m): **BMNH**: 1930.11.11.70, 1930.11.11.71, 1930.11.11.72, 1930.11.11.73, 1930.11.11.74, 1930.11.11.75, 1930.11.11.76, 1930.11.11.77, 1930.11.11.78 - Moanda (05 56 00 S 12 21 00 E, 0 m): **RMCA**: 6547 - Mukulakulu (09 33 S 25 47 E, 828 m): **MNHN**: ZM-2011-810, ZM-2011-811, ZM-2011-812, ZM-2011-813, ZM-2011-814, ZM-2011-815, ZM-2011-816, ZM-2011-817, ZM-2011-818, ZM-2011-819, ZM-2011-820, ZM-2011-821, ZM-2011-822, ZM-2011-823, ZM-2011-824, ZM-2011-825, ZM-2011-826, ZM-2011-827, ZM-2011-828, ZM-2011-829, ZM-2011-830, ZM-2011-831, ZM-2011-832, ZM-2011-833, ZM-2011-834, ZM-2011-835, ZM-2011-836, ZM-2011-837, ZM-2011-838, ZM-2011-839, ZM-2011-840, ZM-2011-841, ZM-2011-842, ZM-2011-843, ZM-2011-844, ZM-2011-845, ZM-2011-846, ZM-2011-847, ZM-2011-848, ZM-2011-849, ZM-2011-850, ZM-2011-851, ZM-2011-852, ZM-2011-853 - Mukwaya (06 32 00 S 23 26 00 E): **RMCA**: 79.032-M-0006, 79.032-M-0007, 79.032-M-0008, 79.032-M-0009 - Muvule, cave 4 km from (ca. 09 11 S 27 13 E): **MNHN**: ZM-2011-854, ZM-2011-855 - Ndjili (04 27 51 S 15 20 56 E, 327 m): **RMCA**: 93.097-M-0004, 93.097-M-0005, 93.097-M-0006, 93.097-M-0007, 93.097-M-0008, 93.097-M-0009, 93.097-M-0010, 93.097-M-0011, 93.097-M-0012, 93.097-M-0013 - Nganza rivier (05 57 01 S 22 21 40 E): **RMCA**: 84.035-M-0007, 84.035-M-0013 - Ngula (04 45 00 S 18 11 00 E, 549 m): **RMCA**: 77.031-M-0012 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 48756 - Nkiene (04 10 S 15 55 E): **RMCA**: 80.053-M-0001 - N'soro (03 15 N 29 25 E): **BMNH**: 1907.7.8.29 - Nyankunde (01 34 00 N 30 15 00 E): **MHNG**: 1872.055, 1872.056, 1872.057, 1872.058 - Parc National de Garamba (04 10 N 29 30 E): **RBINS**: 13522 - Rethy (02 05 11 N 030 53 46 E, 2116 m): **UNIKIS**: ITU708 - Sacred Heart mission (05 01 43 S 18 50 47 E): **RMCA**: 97.021-M-1174 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7109, 7115 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86147, 86151, 86257 - Sud Kivu province: **USNM**: 535399 - Thysville (051500S 145200E, 604 m): **RMCA**: 22658, 22659, 22660 - Tschinputu (05 22 00 S 22 21 00 E): **RMCA**: 84.035-M-0010, 84.035-M-0011 - Tshibasha (05 50 00 S 22 25 00 E): **RMCA**: 36251, 36252, 36253, 36254 - Tshimputu (05 48 00 S 22 19 00 E): **RMCA**: 75.061-M-0008, 75.061-M-0009, 75.061-M-0010 - Tshuapa district (00 13 S 20 52 E): **RMCA**: 34166, 34167, 34169, 34174, 34175, 34179, 34182, 34183 - Vista (05 52 00 S 12 17 00 E, 2 m): **RMCA**: 12167 - Yema (05 45 S 12 17 E): **RMCA**: 331 - Zambi (05 51 00 S 12 52 00 E): **RMCA**: 149 - Zongo (04 20 N 18 35 E): **RBINS**: 7715.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1975-976, ZM-MO-1975-977, ZM-MO-1975-978, ZM-MO-1975-980, ZM-MO-1975-982, ZM-MO-1975-983, ZM-MO-1975-984, ZM-MO-1975-985, ZM-MO-1975-988, ZM-MO-1975-989, ZM-MO-1983-1094, ZM-MO-1983-1097; **SMF**: 84376, 84377, 84378, 91842, 91843, 91844, 91845, 91846, 92056, 92057, 92058, 92059 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **MNHN**: ZM-MO-1983-1096; **RMCA**: 34878, 35004, 35005, 35006, 35007, 35012, 35014, 35015, 35016, 35017, 35019 - Banama Blanc (0945N 0550W): **FMNH**: 105210, 105213, 105254, 105255, 105256, 105311, 105335, 105337 - Bouaké (07 41 N 05 01 59 W, 312 m): **AMNH**: 241024; **FMNH**: 99032, 99033 - Bouna (09 16 00 N 03 00 00 W, 321 m): **USNM**: 467895 - Dabakala (0822N 0426W, 249 m): **FMNH**: 105231, 105232, 105233, 105263, 105264, 105265, 105266, 105267, 105268, 105269, 105270 - Duékoué (06 44 17 N 07 20 35 W, 271 m): **ZMA**: MAM.16719 - Fetekro (0749N 0441W): **USNM**: 467908 - Japo Sud: **USNM**: 429898 - Kadioa, near (0858N 0553W): **FMNH**: 105234, 105235, 105236, 105237, 105278, 105279, 105280, 105283 - Konankoffikro (06 58 16 N 05 14 41 W, 217 m): **ORSTOM**: 21.705; **ZMA**: MAM.16729 - Korhogo (0927N 0538W): **LACM**: 51413 - Lamto (06 12 00 N 05 02 00 W): **RMCA**: 97.077-M-3138; **ZMA**: MAM.16721, MAM.16722, MAM.16723, MAM.16724, MAM.16725, MAM.16726, MAM.16727, MAM.16728, MAM.16730, MAM.16731, MAM.16732, MAM.16733 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-551; **ORSTOM**: 1013, 21.562, 21.563, 21.570, 21.583, 21.585, 21.587, 21.588, 21.591, 21.604, 21.614, 21.618, 21.624, 21.625, 21.627, 21.629, 21.654, 21.654a, 21.691, 21.755, 21.759, 21.764, 21.785, 21.789a, 21.793, 21.794, 21.795, 21.797, 21.798; **ROM**: 80315 - Madinani mountains, E of (ca. 0937N 0657W): **FMNH**: 105214, 105215, 105216, 105217, 105218, 105219, 105220, 105222, 105223, 105224, 105238, 105239,

105240, 105241, 105242, 105243, 105244, 105245, 105246, 105247, 105248, 105249, 105250, 105333 - Torgokaha (0923N 0538W, 376 m): **FMNH**: 105225, 105226, 105227, 105228, 105229, 105230, 105271, 105272, 105273, 105274, 105275, 105276 - Toumodi sud (06 33 00 N 05 01 00 W, 152 m): **RMCA**: 33149, 33150 - Tule (0756N 0608W): **USNM**: 454433.

Equatorial Guinea:

Bata (01 51 00 N 09 45 00 E, 530 m): **MSB**: 25223, 25224; **SMF**: 37653, 37654, 37655, 37656, 37657, 37658 - Litoral province: **YPM**: MAM 014564.

Ethiopia:

Unknown locality: **BMNH**: 1971.2429_1, 1971.2429_2, 1971.2429_3, 1971.2429_4, 1971.2429_5, 1971.2434_1, 1971.2434_2, 1971.2434_3, 1971.2434_4, 1972.4304, 1972.506_01, 1972.506_02, 1972.506_03, 1972.506_04, 1972.506_05, 1972.506_06, 1972.506_07, 1972.506_08, 1972.506_09, 1972.506_10, 1972.506_11, 1972.506_12, 1972.506_13, 1972.506_14, 1972.506_15, 1972.506_16, 1972.506_17, 1972.506_18, 1972.506_19, 1972.506_20, 1972.506_21, 1972.506_22, 1972.506_23, 1972.506_24, 1972.506_25, 1972.506_26, 1972.506_27, 1972.506_28, 1972.506_29, 1972.506_30, 1972.506_31, 1972.506_32, 1972.506_33, 1972.506_34, 1972.506_35, 1972.506_36, 1972.545_01, 1972.545_02, 1972.545_03, 1972.545_04, 1972.545_05, 1972.545_06, 1972.545_07, 1972.545_08, 1972.545_09, 1972.545_10, 1972.545_11, 1972.545_12, 1972.545_13, 1972.545_14, 1972.545_15, 1972.545_16, 1972.545_17, 1972.545_18, 1972.545_19, 1972.545_20, 1972.545_21, 1972.545_22, 1972.545_23, 1972.545_24, 1972.545_25, 1972.545_26, 1972.545_27, 1972.545_28, 1972.545_29, 1972.545_30, 1972.545_31, 1972.545_32, 1972.545_33, 1972.545_34, 1972.545_35, 1972.545_36, 1972.545_37, 1972.582_01, 1972.582_02, 1972.582_03, 1972.582_04, 1972.582_05, 1972.582_06, 1972.582_07, 1972.582_08, 1972.582_09, 1972.582_10, 1972.582_11, 1972.582_12, 1972.582_13, 1972.582_14, 1972.582_15, 1972.582_16, 1972.582_17, 1972.582_18, 1972.582_19, 1972.582_20, 1972.582_21, 1972.603_01, 1972.603_02, 1972.603_03, 1972.603_04, 1972.603_05, 1972.603_06, 1972.603_07, 1972.603_08, 1972.603_09, 1972.603_10, 1972.603_11, 1972.603_12, 1972.603_13, 1972.603_14, 1972.603_15, 1972.603_16, 1972.603_17, 1972.603_18, 1972.603_19, 1972.603_20, 1972.603_21 - Abiy No. 3, 0.5 km S (ca. 08 12 N 35 20 E, 1364 m): **BRTC**: 58454, 58457, 58459 - Abore (0440N 3645E): **SMNS**: 29841 - Agaro, 10 km from (0751N 3639E): **MNHN**: ZM-MO-1972-479 - Bishan Waka Lake, E side shore (07 18 01 N 35 16 24 E, 1402 m): **BRTC**: 58455, 58456 - Bishan Waka Lake, E side shore (07 18 01 N 35 16 24 E, 1434 m): **BRTC**: 58460 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **USNM**: 497600 - Didessa river bridge (09 02 N 36 09 E, 1533 m): **SMF**: 49577, 49578, 49579, 49580, 49581 - Didessa settlement (09 02 N 36 09 E): **MNHN**: ZM-MO-1983-1102, ZM-MO-1983-1103, ZM-MO-1983-1104, ZM-MO-1983-1105; **USNM**: 497588, 497589, 497590, 497591, 497592, 497593, 497594, 497595, 497596, 497597, 497598, 497599, 497601 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1390 m): **BRTC**: 58458 - Doki River Bridge (08 20 N 35 36 E): **SMF**: 49576 - Donkam River: **BMNH**: 1928.1.11.6, 1928.1.11.7 - Gambela (08 15 N 34 35 E, 514 m): **USNM**: 462713, 462714, 462715, 462716, 462717, 462718, 462719; **ZFMK**: 1973.0077, 1973.0078, 1973.0079, 1973.0080, 1973.0081, 1973.0082, 1973.0083, 1973.0084, 1973.0085, 1973.0086 - Gambela, 15 km E: **SMNS**: 29840 - Gambela, 60 km E: **SMNS**: 29816, 29817, 29839 - Kelam (0448N 3558E, 394 m): **USNM**: 520893, 520894 - Sirba: **BMNH**: 1970.400, 1970.401 - Tola River: **SMF**: 49093, 49094, 49095.

Gabon:

Unknown locality: **ZMB**: 5551 - Booué (00 06 00 S 11 56 00 E, 175 m): **BMNH**: 1958.310, 1958.311 - Franceville (01 38 S 13 35 E, 333 m): **EBD**: MAM 18274, MAM 18275, MAM 18276, MAM 18277, MAM 18278, MAM 18279, MAM 18280; **MNHN**: ZM-MO-1884-582 - Kango (000900N 100800E, 30 m): **AMNH**: 120265 - Kango (0009N 1008E, 30 m): **MNHN**: ZM-MO-1947-212, ZM-MO-1947-213, ZM-MO-1947-214, ZM-MO-1947-215 - Lambarene (00 42 00 S 10 13 00 E, 45 m): **MNHN**: ZM-MO-1896-3435 - M'Bari site (0152S 0953E): **USNM**: 584837 - Rabi Oil Field (0156S 0954E): **USNM**: 584836.

Ghana:

Unknown locality: **BMNH**: 1972.184, 1975.522, 1975.523, 1975.524; **ROM**: 39468; **SMF**: 89660, 89661 - Aburi (0540N 0011W): **BMNH**: 1920.10.28.2 - Accra, 9 mi [=14.5 km] NE (05 33 N 00 15 W): **AMNH**: 241021, 241022 - Achimota (05 37 N 00 14 W, 82 m): **BMNH**: 1965.741; **ROM**: 55095; **USNM**: 411634, 411635, 411636, 411637, 411638, 411639, 411640, 411641, 411642, 411643, 411644, 411645, 411646, 411647, 411648, 411649, 411650, 411651, 411652, 411653, 478553 - Achimota Forest Reserve (05 40 N 00 12 W): **USNM**: 411674 - Adanka Village, near (07 38 N 00 23 E): **USNM**: 590070, 590071 - Afloa, 105 km W (06 07 N 00 15 E): **ROM**: 39461 - Ahiriso (0632N 0220W): **USNM**: 414060 - Aiyikuma (0555N 0003W): **USNM**: 411654, 411655, 411656, 411657, 411658, 411659, 411660, 411661, 411662, 411663, 411664, 411665, 411666, 411667, 411668, 411669, 411670, 411671, 411672, 411673 - Amedzofe (0651N 0026E): **USNM**: 411631, 411632, 411633 - Anum (0629N 0009E, 234 m): **USNM**: 411675, 411676, 411677, 411678 - Banda: **BMNH**: 1950.1504, 1950.1505, 1950.1506 - Bangwon (1058N 0241W): **USNM**: 414766 - Bator (0604N 0025E, 56 m): **USNM**: 411624, 411625, 411626, 411627, 411628, 411629, 411630 - Bimbilla, 15 mi [=24 km] S (08 52 N 00 04 E): **AMNH**: 239383 - Boi-Tano FR, cocoa plantation adjacent to forest edge (0532N 0237W): **ZFMK**: 2003.1033 - Damango, near (09 15 N 01 45 W): **ROM**: 60198, 60199 - Doyum (05 54 N 00 01 E, 46 m): **ROM**: 60247 - Gambaga (10 32 N 00 26 W, 312 m): **USNM**: 424785, 424786 - Gambaga (103200N 002632W): **BMNH**: 1898.10.24.1 - Kade, 11 km NE (06 07 N 00 34 W): **ROM**: 36554, 36607, 36608, 36610, 36611, 36612, 36618, 36619, 95197 - Kade, 7 mi [=11.3 km] NE (06 09 N 00 45 W): **MVZ**: 149378, 149379 - Kete Krachi (07 48 N 00 01 W, 83 m): **ZMB**: 10054 - Kojali Bach: **ZMB**: 31942 - Krokosua Hills Forest Reserve (06 37 N 02 51 W): **ZFMK**: 2003.1046 - Kumasi (064100N 013700W): **BMNH**: 1929.5.29.2, 1929.5.29.3 - Larteh Junction (ca. 05 54 N 00 04 W): **ROM**: 55162, 55163, 55164, 55165, 55166, 55167, 55168, 55176, 55179, 55183 - Legion Folly: **BMNH**: 1965.742 - Legon (05 39 00 N 00 11 00 W, 30 m): **MVZ**: 149376, 149381, 149382, 149383, 149384, 149385, 149386, 149387, 149388, 149389, 149390, 149391, 149392, 149393, 149394, 149395, 149396, 149397, 149398, 149399, 149400, 149401, 149402, 149403, 149404, 149406, 149407, 149408, 149409, 149416, 149417, 149421, 149426, 149437; **ROM**: 35811, 35812, 35813, 35814, 35815, 35816, 35817, 35818, 35819, 35820, 35821, 35822, 35823, 35824, 35825, 35826, 35827, 35828, 35829, 35830, 35831, 35832, 35833, 35834, 35835, 35836, 35837, 35838, 35839, 35840, 35841, 36555, 36556, 36613, 36614, 36615, 36616, 36617; **USNM**: 439913, 439914, 439915, 439916, 439917, 439918, 439919, 439920, 439921, 439922, 439923, 448875 - Legon University (05 39 00 N 00 11 00 W, 75 m): **ROM**: 39395, 39397, 39399 - Legon, 1 mi N (ca. 053900N 001100W): **USNM**: 411679 - Leklebi Agbesia (0656N 0029E): **USNM**: 424796 - Magazine (ca. 05 50 N 00 05 E): **ROM**: 60246 - Magazine, hill top near (ca. 05 50 N 00 05 E): **ROM**: 60244 - Northern Region: **CM**: 113563; **SMF**: 46335 - Nungua (05 36 N 00 04 W, 0 m): **ROM**: 39444 - Oda (05 55 N 00 56 W, 122 m): **USNM**: 439924 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424766, 424767, 424768, 424769, 424770, 424771, 424772, 424773, 424774, 424775, 424788, 424789, 424790, 424791, 424792, 424793, 424794, 424795 - Pirisi (100700N 022700W): **USNM**: 414761, 414762, 414763, 414764, 414765 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414767, 414768, 414769, 414770, 414771, 414772,

414773, 414774, 414775, 414776, 414777, 414778, 414779, 414780, 478548, 478549, 478550, 478551, 478552 - Shai Hills (05 54 30 N 00 03 41 E): **ROM**: 55178 - Sogakofe (0600N 0036E): **BMNH**: 1958.661 - Subinja (07 44 N 02 04 W, 290 m): **USNM**: 414760 - Teshi (0535N 0006W): **USNM**: 478559 - University of Ghana (053900N 001100W): **USNM**: 411680, 411681, 411682, 411683, 411684, 411685, 411686, 411687, 411688, 411689, 411690, 411691, 411692, 411693, 411694, 411695, 411696, 411697, 411698, 411699, 411700, 411701, 411702, 411703, 411704, 411705, 411706, 411707, 411708, 411709, 411710, 411711, 411712, 411713, 411714, 411715, 411716, 411717, 411718, 411719, 411720, 411721, 411722, 411723, 411724, 411725, 411726, 411727, 411728, 411729, 411730, 411731, 411732, 411733, 411734, 411735, 411736, 411737, 411738, 411739, 411740, 411741, 411742, 411743, 411744, 411745, 411746, 411747, 411748, 411749, 411750, 411751, 411752, 411753, 411754, 411755, 411756, 411757, 411758, 411759, 411760, 411761, 411762, 411763, 411764, 411765, 411766, 411767, 411768, 411769, 411770, 411771, 411772, 411773, 411774, 411775, 411776, 411777, 411778, 411779, 411780, 411781, 411782, 411783, 411784, 411785, 411786, 414024, 414025, 414026, 414027, 414028, 414029, 414030, 414031, 414032, 414033, 414034, 414035, 414036, 414037, 414038, 414039, 414040, 414041, 414042, 414043, 414044, 414045, 414046, 414047, 414048, 414049, 414050, 414051, 414052, 414053, 414054, 414055, 414056, 414057, 414058, 414059, 478546, 478547, 478554, 478555 - unspecified locality (ca. 06 00 00 N 03 00 00 W): **WAM**: M21214 - Volta region: **SMF**: 92112, 92113, 92114, 92115 - Wulasi (08 39 18 N 00 00 05 W): **USNM**: 424765, 424787 - Yabraso (0804N 0147W): **USNM**: 424776, 424777, 424778, 424779, 424780, 424781, 424782, 424783, 424784.

Guinea:

Boussoura (1217N 1303W, 100 m): **FMNH**: 128200 - Fressoudou (09 08 00 N 08 54 00 W): **MNHN**: ZM-2012-394, ZM-2012-395, ZM-2012-411, ZM-2012-412, ZM-2012-413, ZM-2012-414, ZM-2012-415, ZM-2012-416, ZM-2012-417, ZM-2012-418, ZM-2012-419, ZM-2012-420, ZM-2012-421, ZM-2012-422, ZM-2012-423, ZM-2012-424, ZM-2012-425, ZM-2012-426, ZM-2012-427, ZM-2012-428, ZM-2012-429, ZM-2012-430, ZM-2012-431, ZM-2012-432, ZM-2012-433, ZM-2012-434, ZM-2012-435 - Kankasili (10 11 N 12 29 W): **ZMA**: MAM.10737, MAM.10741, MAM.10742, MAM.10763, MAM.10764, MAM.10765, MAM.10766, MAM.10767, MAM.10768, MAM.10769, MAM.10770, MAM.10771, MAM.10772, MAM.10773, MAM.10774, MAM.10775, MAM.10776, MAM.10777, MAM.10778, MAM.10779, MAM.10780, MAM.10781, MAM.10782, MAM.10783, MAM.10784, MAM.10785, MAM.10786, MAM.10787, MAM.10788, MAM.10789, MAM.10790, MAM.10791, MAM.10792, MAM.10793, MAM.10794, MAM.10795, MAM.10796, MAM.10797, MAM.10798, MAM.10799, MAM.10800, MAM.10801, MAM.10802, MAM.10803, MAM.10804, MAM.10805, MAM.10806, MAM.10807, MAM.10808, MAM.10809, MAM.10810, MAM.10811, MAM.10812, MAM.10813, MAM.10814, MAM.10815, MAM.10816, MAM.10817, MAM.10818, MAM.10819, MAM.10820, MAM.10821, MAM.10822, MAM.10823, MAM.10824, MAM.10825, MAM.10826, MAM.10827, MAM.10828, MAM.10829, MAM.10830, MAM.10831, MAM.10832, MAM.10833, MAM.10834, MAM.10835, MAM.10836, MAM.10837, MAM.10838, MAM.10839, MAM.10840, MAM.10841, MAM.10842, MAM.10843, MAM.10844, MAM.10845, MAM.10846, MAM.10847, MAM.10848, MAM.10849, MAM.10850, MAM.10851, MAM.10852, MAM.10853, MAM.10854, MAM.10855, MAM.10856, MAM.10857, MAM.10858, MAM.10859, MAM.10860, MAM.10861, MAM.10862, MAM.10863, MAM.10864 - Kouroussa (10 39 N 09 53 W, 362 m): **MNHN**: ZM-MO-1905-457A, ZM-MO-1905-457B - Pic de Foko (08 29 35 N 08 53 48 W, 1289 m): **ZFMK**: 2009.0019 - Samedou: **MNHN**: ZM-2012-396, ZM-2012-397, ZM-2012-398, ZM-2012-399, ZM-2012-400, ZM-2012-401, ZM-2012-402, ZM-2012-403, ZM-2012-404, ZM-2012-405, ZM-2012-406, ZM-2012-407, ZM-2012-408, ZM-2012-409, ZM-2012-410 - Whiskey 1 (08 32 56 N 08 53 57 W, 1175 m): **ZFMK**: 2008.0277, 2008.0321, 2008.0322.

Guinea-Bissau:

Bissau [island] (11 52 N 15 39 W): **ZMB**: 42517.

Kenya:

Barberton Farm pool (0049N 3449E): **USNM**: 350816 - Mukangu Village (00 22 03 N 34 52 11 E): **MMU**: PWW2931 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152354, 152355, 152356 - Tororo, 30 mi [= 48 km] E (0040N 3430E): **ROM**: 36237, 36238, 36239, 36240, 36241.

Liberia:

Unknown locality: **BMNH**: 1911.11.3.6, 1911.11.3.7, 1911.11.3.8, 1911.11.3.9, 1919.7.7.3512; **SMF**: 87696 - Ceasar's Beach, near (ca. 0619N 1048W, 0 m): **AMNH**: 257026, 257027 - Elwa Swamp, near (ca. 0614N 1042W): **AMNH**: 257028 - Gabagea River: **AMNH**: 265667, 265668, 265669 - Grand Bassa (05 54 40 N 10 03 45 W, 65 m): **BMNH**: 1908.7.27.2 - Greenville (050040N 090220W, 0 m): **AMNH**: 256532, 256533 - Mano river (07 30 00 N 10 57 00 W): **RMCA**: 36268 - Mount Nimba (ca. 07 30 N 08 30 W): **SMF**: 87661, 87682 - Nanna Kru: **BMNH**: 1911.11.3.4, 1911.11.3.5 - Robertsport (064512N 112207W, 158 m): **AMNH**: 276132, 276133, 276134, 276135 - Ziggida, 10.5 km N, 1 km E: **AMNH**: 265665, 265666 - Ziggida, 13 km N, 1 km E: **AMNH**: 265670 - Zigida Village (080212N 092923W): **USNM**: 541527 - Zomai (07 36 56 N 09 37 53 W, 303 m): **RMCA**: 36300.

Mali:

Badalabougou quarter (12 37 25 N 07 59 02 W, 311 m): **MNHN**: ZM-MO-1995-798, ZM-MO-1995-799 - Falea (12 15 51 N 11 16 38 W, 459 m): **DNSM**: 14075.

Nigeria:

Unknown locality: **BMNH**: 1949.581, 1950.816, 1950.817, 1962.430, 1962.431, 1962.432, 1962.433, 1962.434, 1962.435, 1962.436, 1962.437, 1962.438, 1962.439, 1962.440, 1962.441, 1962.442, 1976.1830; **ZMA**: MAM.20591, MAM.20592, MAM.20593, MAM.20594, MAM.20595, MAM.20596, MAM.20597, MAM.20598, MAM.20599, MAM.20600, MAM.24101, MAM.24102, MAM.24103 - Afon (0819N 0431E): **USNM**: 402528, 402529, 402530, 402531, 402532, 402533, 402534, 402535, 402536, 402537, 402538, 402539, 402540 - Asaba (06 11 00 N 06 45 00 E, 54 m): **BMNH**: 1892.6.22.1 - Bacita (090500N 045700E): **RMNH**: MAM.23625, MAM.23626, MAM.23627, MAM.23628, MAM.23629, MAM.23630, MAM.23631, MAM.23632, MAM.23633, MAM.23634, MAM.23635, MAM.23636, MAM.23637, MAM.23638, MAM.23639, MAM.23640, MAM.23646, MAM.23647, MAM.23648, MAM.23649, MAM.23650 - Enugu state: **SMF**: 92080 - Felele (0751N 0643E): **USNM**: 402541, 402542, 402543, 402544, 402545, 402546, 402547, 402548, 402549, 402550, 402551, 402552, 402553, 402554, 402555 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **BMNH**: 1961.76, 1961.77, 1961.78, 1961.79, 1961.80; **FMNH**: 99063, 99064, 99065, 99066, 99067, 99068, 99069, 99070, 99071, 99072, 99073, 99074; **USNM**: 377099, 377100, 377101, 378778, 378780, 378781, 402478, 402479, 402480, 402481, 402482, 402483, 402484, 402485, 402486, 402487, 402488, 402489, 402490, 402491, 402492, 402493, 402494, 402497, 402498, 402520, 402521, 402522, 402523, 402524, 402525, 402526, 402556, 402557, 402558, 402559, 402560; **ZMA**: MAM.19057, MAM.19058, MAM.19059 - Ibadan University College (07 23 16 N 03 53 47 E, 237 m): **AMNH**: 204297; **USNM**: 375938, 402495, 402496 - Ife (07 29 25 N 04 33 07 E): **ZMA**: MAM.19069, MAM.19070 - Ife University Campus (07 31 06 N 04 31 41 E): **ZMA**: MAM.19060 - Igbo-ora (0726N 0317E): **USNM**:

402499, 402500, 402501, 402502, 402503, 402504, 402505, 402506, 402507, 402508, 402509, 402510 - Jauro Masali (06 20 N 03 25 E, 1300 m): **SMNS**: 41338; **ZFMK**: 1988.0095 - Jos (09 55 N 08 54 E, 1217 m): **ZMA**: MAM.19034, MAM.19099, MAM.19100, MAM.19101, MAM.19102, MAM.19103, MAM.19104, MAM.19105, MAM.19106, MAM.19107, MAM.19108, MAM.19109, MAM.19110, MAM.19111, MAM.19112, MAM.19113, MAM.19114, MAM.19115, MAM.19116, MAM.19117, MAM.19118, MAM.19119, MAM.19120, MAM.19121, MAM.19122, MAM.19123, MAM.19124, MAM.19125, MAM.19126, MAM.19127, MAM.19128, MAM.19129, MAM.19130, MAM.19131, MAM.19132, MAM.19136, MAM.19137, MAM.19138, MAM.19139, MAM.19140, MAM.19141, MAM.19142, MAM.19143, MAM.19144, MAM.19145, MAM.20578, MAM.20579, MAM.20580, MAM.20581, MAM.20582, MAM.20583, MAM.20584, MAM.20585, MAM.20586, MAM.20587, MAM.20588, MAM.20589, MAM.20590 - Kaduna (10 31 23 N 07 26 25 E, 612 m): **WAM**: M21213 - Kudu (0916N 0520E): **USNM**: 402527 - Kware (131305N 051602E, 268 m): **USNM**: 402511 - Lagos (062711N 032345E): **BMNH**: 1872.10.24.6 - Lagos (0627N 0323E): **ZMB**: 10046, 3475, 4338 - Makurdi: **ZMA**: MAM.19135 - Mkar (0720N 0902E, 434 m): **ZMA**: MAM.19055, MAM.19056 - Mokwa (0917N 0503E, 87 m): **ROM**: 77733, 77734, 77738 - Pandam Wildlife Park (08 44 N 08 59 E): **ZMA**: MAM.19035, MAM.19036, MAM.19037, MAM.19038, MAM.19039, MAM.19040, MAM.19041, MAM.19042, MAM.19043, MAM.19044, MAM.19045, MAM.19046, MAM.19047, MAM.19048, MAM.19049, MAM.19050, MAM.19051, MAM.19052, MAM.19053, MAM.19054 - Samaru (1110N 0738E, 730 m): **ROM**: 74213 - Tsanchaga (0906N 0609E): **USNM**: 402514, 402515, 402516, 402517, 402518, 402519 - Upper Ogun Ranch (0810N 0341E): **USNM**: 402512, 402513 - Wikki (09 46 10 N 10 31 58 E): **HNHM**: 98.42.24, 98.42.42, 98.42.43, 98.42.44, 98.42.45, 98.42.46, 98.42.49, 98.42.50, 98.42.51 - Yoruba: **ZMB**: 3438 (Holotype *Epomophorus pusillus*) - Yoruba (080000N 043000E): **SMNS**: 934 - Zaria (1101N 0744E): **ROM**: 77702, 77710.

Rwanda:

Astrida (023550S 294420E, 1733 m): **RMCA**: 36446b.

Senegal:

Unknown locality: **FMNH**: 128196, 128197, 128198, 128199; **MNHN**: ZM-MO-1995-2667 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1995-594, ZM-MO-1995-595, ZM-MO-1995-596, ZM-MO-1995-597 - Diabane (1233N 1605W): **FMNH**: 128156, 128157, 128158, 128159, 128160, 128161, 128162, 128163, 128164, 128165, 128166, 128167, 128168, 128169, 128170, 128171, 128172, 128173, 128174, 128175, 128176, 128177, 128178, 128179, 128180, 128181, 128182, 128183, 128184, 128195 - Edanga (1230N 1245W): **FMNH**: 128187, 128188, 128189, 128190, 128191, 128192, 128193, 128194 - Eganga (1230N 1245W): **FMNH**: 128185, 128186 - N'gari (12 38 06 N 12 14 52 W, 126 m): **MNHN**: ZM-MO-1995-598, ZM-MO-1995-599, ZM-MO-1995-600.

Sierra Leone:

Unknown locality: **BMNH**: 1953.37, 1954.910, 1962.1766, 1962.1767, 1962.1768, 1962.1769, 1962.1770, 1962.1771, 1962.1772, 1962.1816, 1962.448, 1972.4153; **USNM**: 502910, 502911, 502912, 502913, 502914, 502915 - Cole Farm (08 30 N 13 17 W): **ROM**: 60688 - Freetown (0830N 1315W): **ROM**: 60689, 60695, 60697 - Lumley Village (082714N 131657W, 0 m): **ROM**: 60674 - Lunsar (0841N 1232W, 52 m): **ROM**: 60661, 60662, 60663, 60664 - Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 546958, 546959, 546960, 546961, 546962 - Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 546963 - Panguma, 10 mi N (0817N 1106W): **USNM**: 538467, 538468, 538469.

South Sudan:

Agok (0909N 2849E): **MSU**: MR.33387 - Andari Payam, Bangangai Game Reserve (04 52 39 N 27 40 34 E): **USNM**: 586859, 586861 - Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586784, 586789, 586790, 586792, 586814, 586816, 586843 - Bangangai Game Reserve, base camp (04 54 28 N 27 42 13 E, 698 m): **USNM**: 587219, 587225, 587226 - Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 587257, 587258, 587259, 587260, 587261 - Boma Mountains, Western foothills (0610N 3425E): **SMNS**: 29832, 29833, 29834, 29835, 29851, 29852 - Boro river, 25 km N (0830N 2430E): **SMNS**: 29836, 29837, 29838, 29853 - Gilo (04 02 18 N 32 50 43 E, 1736 - 1863 m): **SMNS**: 29821, 29822, 29823, 29831, 29844, 29846 - Imurok (041846N 322328E): **USNM**: 368859, 368860 - Imurok (041846N 322328E, 914 m): **FMNH**: 67502, 67503, 67504, 67505, 67506 - Juba (045100N 313700E): **SMNS**: 92818 - Juba, 400 mi [= 640 km] W (700 m): **FMNH**: 56290 - Kabi stream (03 56 52 N 31 34 41 E, 929 m): **USNM**: 587016, 587032, 587062, 587685 - Kagelu (040311N 303633E, 834 m): **AMNH**: 118582 - Kajiko North (035125N 303627E): **SMNS**: 29824, 29825, 29826 - Kajiko South: **SMNS**: 29847 - Katire (0405N 3246E): **FMNH**: 68031, 68032, 68033, 68034, 68035, 68036, 68037, 68038, 68039 - Kinyiba-Bekat, approximately 1 km west of town center (03 49 45 N 31 35 14 E, 914 m): **USNM**: 587125 - Kungupuri (Bekat) Stream (03 52 47 N 31 38 42 E, 931 m): **USNM**: 586951, 586968 - Luro Cave, base camp (03 54 07 N 31 41 39 E, 945 m): **USNM**: 586938 - Mandri (0524N 3015E, 580 m): **MSU**: MR.33412, MR.33413 - Mbili (0701N 2759E): **MSU**: MR.33388 - Mogiri, Reeder Family Compound (03 56 09 N 31 36 29 E, 1024 m): **USNM**: 586904, 587637 - Mundari Civil Hospital (03 51 10 N 31 39 26 E, 965 m): **USNM**: 587139 - Nzara (04 38 36 N 28 15 11 E, 595 m): **BMNH**: 1977.597, 1977.598 - Okaru (042929N 321009E, 911 m): **FMNH**: 68029, 68030, 68175 - Palwar (0355N 3236E, 1237 m): **FMNH**: 79588 - Panyai (Thomas Modi's house) (03 52 54 N 31 39 40 E, 935 m): **USNM**: 587161 - Raffili (0651N 2759E, 463 m): **MSU**: MR.33410 - Rumbeck (0648N 2941E, 406 m): **MSU**: MR.33411 - Talanga forest (0400N 3244E, 914 m): **FMNH**: 108126 - Torit (0427N 3231E, 610 m): **FMNH**: 66580, 66581, 66582, 66583, 66584, 66585, 66586, 66587, 66588, 66589, 66590, 66591, 66592, 66593, 66594, 66595, 66596, 66603, 66604, 66605, 66606, 67501 - Wau (074200N 280000E): **MSU**: MR.33386, MR.33406, MR.33407 - Yambio (0434N 2821E): **ROM**: 72099 - Yambio, Wildlife Office compound (04 34 15 N 28 23 55 E, 652 m): **USNM**: 587207, 587209.

Sudan:

Kajo Kaji, 10 km W: **SMNS**: 29827, 29828, 29829, 29830, 29848, 29849 - Maridi: **SMNS**: 29819, 29820 - Raffile: **SMNS**: 29850 - Tambura, 45 km N: **SMNS**: 29842, 29843 - Tossari (10 40 N 30 02 E): **SMF**: 33147, 33148, 33149, 33150, 33151, 33152, 33153 - Wanalerel: **ROM**: 72066.

Tanzania:

Ngoroine [=Nguruimi]: **ZMB**: 10052, 10053.

The Gambia:

Abuko Nature Reserve (13 23 29 N 16 39 09 W): **SMF**: 91040, 91041, 91042, 91043 - Bathurst (132711N 163439W): **BMNH**: 1889.3.2.1 - Bathurst, 8 mi [= 13 km] W (ca. 13 28 N 16 39 W): **USNM**: 377562 - Bathurst, 8 mi W: **USNM**: 77562 - Western division: **SMF**: 92138.

Togo:

Unknown locality: **RMCA**: 73.054-M-0809, 73.054-M-1173, 73.054-M-1174, 73.054-M-1175, 73.054-M-1176, 73.054-M-1177, 73.054-M-1178, 73.054-M-1179, 73.054-M-1180, 73.054-M-1181, 73.054-M-1182, 73.054-M-1183, 73.054-M-

1184, 73.054-M-1185, 73.054-M-1186, 73.054-M-1187, 73.054-M-1188, 73.054-M-1189, 73.054-M-1190, 73.054-M-1191, 73.054-M-1192, 73.054-M-1193, 73.054-M-1194, 73.054-M-1195, 73.054-M-1196, 73.054-M-1197, 73.054-M-1198, 73.054-M-1199, 73.054-M-1200, 73.054-M-1201, 73.054-M-1202, 73.054-M-1203, 73.054-M-1204, 73.054-M-1205, 73.054-M-1206, 73.054-M-1207, 73.054-M-1208, 73.054-M-1209, 73.054-M-1210, 73.054-M-1211, 73.054-M-1212, 73.054-M-1213, 73.054-M-1214, 73.054-M-1215, 73.054-M-1216, 73.054-M-1217, 73.054-M-1218, 73.054-M-1219, 73.054-M-1220, 73.054-M-1221, 73.054-M-1222, 73.054-M-1223, 73.054-M-1224, 73.054-M-1225, 73.054-M-1226, 73.054-M-1227, 73.054-M-1228, 73.054-M-1229, 73.054-M-1230, 73.054-M-1231, 73.054-M-1232, 73.054-M-1233, 73.054-M-1234, 73.054-M-1235, 73.054-M-1236, 73.054-M-1237, 73.054-M-1238, 73.054-M-1239, 73.054-M-1240, 73.054-M-1241, 73.054-M-1242, 73.054-M-1243, 73.054-M-1244, 73.054-M-1245, 73.054-M-1246, 73.054-M-1247, 73.054-M-1248, 73.054-M-1249, 73.054-M-1250, 73.054-M-1251, 73.054-M-1252, 73.054-M-1253, 73.054-M-1254, 73.054-M-1255, 73.054-M-1256, 73.054-M-1257, 73.054-M-1258, 73.054-M-1259, 73.054-M-1260, 73.054-M-1261, 73.054-M-1262, 73.054-M-1263, 73.054-M-1264, 73.054-M-1265, 73.054-M-1266, 73.054-M-1267, 73.054-M-1268, 73.054-M-1269, 73.054-M-1270, 73.054-M-1271, 73.054-M-1272, 73.054-M-1273, 73.054-M-1274, 73.054-M-1275, 73.054-M-1276, 73.054-M-1277, 73.054-M-1278, 73.054-M-1279, 73.054-M-1280, 73.054-M-1281, 73.054-M-1282, 73.054-M-1283, 73.054-M-1284, 73.054-M-1285, 73.054-M-1286, 73.054-M-1287, 73.054-M-1288, 73.054-M-1289, 73.054-M-1290, 73.054-M-1291, 73.054-M-1292, 73.054-M-1293, 73.054-M-1294, 73.054-M-1295, 73.054-M-1296, 73.054-M-1297, 73.054-M-1298, 73.054-M-1299, 73.054-M-1300, 73.054-M-1301, 73.054-M-1302, 73.054-M-1303, 73.054-M-1304, 73.054-M-1305, 73.054-M-1306, 73.054-M-1307, 73.054-M-1308, 73.054-M-1309, 73.054-M-1310, 73.054-M-1311, 73.054-M-1312, 73.054-M-1313, 73.054-M-1314, 73.054-M-1315, 73.054-M-1316, 73.054-M-1317, 73.054-M-1318, 73.054-M-1319, 73.054-M-1320, 73.054-M-1321, 73.054-M-1322, 73.054-M-1323, 73.054-M-1324, 73.054-M-1325, 73.054-M-1326, 73.054-M-1327, 73.054-M-1328, 73.054-M-1329, 73.054-M-1330, 73.054-M-1331, 73.054-M-1332, 73.054-M-1333, 73.054-M-1334, 73.054-M-1335, 73.054-M-1336, 73.054-M-1337, 73.054-M-1338, 73.054-M-1339, 73.054-M-1340, 73.054-M-1341, 73.054-M-1342, 73.054-M-1343, 73.054-M-1344, 73.054-M-1345, 73.054-M-1346, 73.054-M-1347, 73.054-M-1348, 73.054-M-1349, 73.054-M-1350, 73.054-M-1351, 73.054-M-1352, 73.054-M-1353, 73.054-M-1354, 73.054-M-1355, 73.054-M-1356, 73.054-M-1357, 73.054-M-1358, 73.054-M-1359, 73.054-M-1360, 73.054-M-1361, 73.054-M-1362, 73.054-M-1363, 73.054-M-1364, 73.054-M-1365, 73.054-M-1366, 73.054-M-1367, 73.054-M-1368, 73.054-M-1369, 73.054-M-1370, 73.054-M-1371, 73.054-M-1372, 73.054-M-1373, 73.054-M-1374, 73.054-M-1375, 73.054-M-1376, 73.054-M-1377, 73.054-M-1378, 73.054-M-1379, 73.054-M-1380, 73.054-M-1381, 73.054-M-1382, 73.054-M-1383, 73.054-M-1384, 73.054-M-1385, 73.054-M-1386, 73.054-M-1387, 73.054-M-1388, 73.054-M-1389, 73.054-M-1390, 73.054-M-1391, 73.054-M-1392, 73.054-M-1393, 73.054-M-1394, 73.054-M-1395, 73.054-M-1396, 73.054-M-1397, 73.054-M-1398, 73.054-M-1399, 73.054-M-1400, 73.054-M-1401, 73.054-M-1402, 73.054-M-1403, 73.054-M-1404, 73.054-M-1405, 73.054-M-1406, 73.054-M-1407, 73.054-M-1408, 73.054-M-1409, 73.054-M-1410, 73.054-M-1411, 73.054-M-1412, 73.054-M-1413, 73.054-M-1414, 73.054-M-1415, 73.054-M-1416, 73.054-M-1417, 73.054-M-1418, 73.054-M-1419, 73.054-M-2174, 73.054-M-2175 - Adina (07 31 00 N 01 01 00 E, 252 m): **RMCA**: 73.054-M-0685, 73.054-M-0686, 73.054-M-0687, 73.054-M-0688, 73.054-M-0689, 73.054-M-0690, 73.054-M-0691, 73.054-M-0692, 73.054-M-0693, 73.054-M-0694, 73.054-M-0695, 73.054-M-0696, 73.054-M-0697, 73.054-M-0698, 73.054-M-0699, 73.054-M-0700, 73.054-M-0701, 73.054-M-0702, 73.054-M-0703, 73.054-M-0705, 73.054-M-0706, 73.054-M-0707, 73.054-M-0708, 73.054-M-0709, 73.054-M-0710, 73.054-M-0711, 73.054-M-0712, 73.054-M-0714, 73.054-M-0715, 73.054-M-0716, 73.054-M-0717, 73.054-M-0718, 73.054-M-0719, 73.054-M-0720, 73.054-M-0721, 73.054-M-0722, 73.054-M-0723, 73.054-M-0724, 73.054-M-0725, 73.054-M-0726, 73.054-M-0727, 73.054-M-0728, 73.054-M-0729, 73.054-M-0730, 73.054-M-0731, 73.054-M-0732, 73.054-M-0733, 73.054-M-0734, 73.054-M-0735, 73.054-M-0736, 73.054-M-0737, 73.054-M-0738, 73.054-M-0739, 73.054-M-0972, 73.054-M-0973, 73.054-M-0974, 73.054-M-0975, 73.054-M-0976, 73.054-M-0977, 73.054-M-0978, 73.054-M-0979, 73.054-M-0980, 73.054-M-0981, 73.054-M-0982, 73.054-M-0983, 73.054-M-0984, 73.054-M-0985, 73.054-M-0986, 73.054-M-0987, 73.054-M-0988 - Adjido (07 30 00 N 01 11 00 E, 186 m): **RMCA**: 73.054-M-0483, 73.054-M-0484, 73.054-M-0485, 73.054-M-0489, 73.054-M-0490, 73.054-M-0491, 73.054-M-0492, 73.054-M-0493, 73.054-M-0497, 73.054-M-0498, 73.054-M-0499 - Agadji (07 27 00 N 00 54 00 E, 348 m): **RMCA**: 73.069-M-0034, 73.069-M-0035, 73.069-M-0036, 73.069-M-0037, 73.069-M-0038, 73.069-M-0039, 73.069-M-0040 - Akposso (07 34 00 N 00 59 00 E): **RMCA**: 73.054-M-0590, 73.054-M-0591, 73.054-M-0592, 73.054-M-0593, 73.054-M-0594, 73.054-M-0595, 73.054-M-0596, 73.054-M-0597, 73.054-M-0598, 73.054-M-0599, 73.054-M-0600, 73.054-M-0601, 73.054-M-0602, 73.054-M-0603, 73.054-M-0604, 73.054-M-0605, 73.054-M-0606, 73.054-M-0607, 73.054-M-0608, 73.054-M-0609, 73.054-M-0610, 73.054-M-0611, 73.054-M-0612, 73.054-M-0613, 73.054-M-0614, 73.054-M-0615, 73.054-M-0616, 73.054-M-0617, 73.054-M-0618, 73.054-M-0619, 73.054-M-0620 - Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.009-M-0377, 73.009-M-0378, 73.009-M-0379, 73.009-M-0380, 73.009-M-0381, 73.009-M-0382, 73.009-M-0383, 73.009-M-0384, 73.009-M-0385, 73.009-M-0386, 73.009-M-0387, 73.009-M-0388, 73.009-M-0389, 73.009-M-0390, 73.009-M-0391, 73.009-M-0392, 73.009-M-0393, 73.009-M-0394, 73.009-M-0395, 73.009-M-0396, 73.009-M-0397, 73.009-M-0398, 73.009-M-0399, 73.009-M-0400, 73.009-M-0401, 73.009-M-0402, 73.009-M-0403, 73.009-M-0404, 73.009-M-0405, 73.009-M-0489, 73.013-M-0584, 73.013-M-0640, 73.013-M-0641, 73.013-M-0642, 73.013-M-0643, 73.013-M-0644, 73.013-M-0645, 73.013-M-0646, 73.013-M-0647, 73.013-M-0648, 73.013-M-0649, 73.013-M-0650, 73.013-M-0651, 73.013-M-0652, 73.013-M-0653 - Apéyémé (07 12 00 N 00 42 00 E, 768 m): **RMCA**: 73.013-M-0668 - Atakpamé (07 32 00 N 01 08 00 E, 376 m): **RMCA**: 73.054-M-0436, 73.054-M-0437, 73.054-M-0438, 73.054-M-0439, 73.054-M-0440, 73.054-M-0441, 73.054-M-0442, 73.054-M-0443, 73.054-M-0444, 73.054-M-0445, 73.054-M-0446, 73.054-M-0447, 73.054-M-0448, 73.054-M-0449, 73.054-M-0450, 73.054-M-0451, 73.054-M-0452, 73.054-M-0453, 73.054-M-0454, 73.054-M-0455, 73.054-M-0464, 73.054-M-0465, 73.054-M-0466, 73.054-M-0467, 73.054-M-0473, 73.054-M-0480, 73.054-M-0481, 73.054-M-0482, 73.054-M-0486, 73.054-M-0487, 73.054-M-0488, 73.054-M-0494, 73.054-M-0495, 73.054-M-0496, 73.054-M-0500, 73.054-M-0501, 73.054-M-0503, 73.054-M-0504, 73.054-M-0505, 73.054-M-0523, 73.054-M-0524, 73.054-M-0551, 73.054-M-0556, 73.054-M-0557, 73.054-M-0558, 73.054-M-0559, 73.054-M-0560, 73.054-M-0561, 73.054-M-0562, 73.054-M-0563, 73.054-M-0564, 73.054-M-0565, 73.054-M-0566, 73.054-M-0567, 73.054-M-0568, 73.054-M-0569, 73.054-M-0570, 73.054-M-0571, 73.054-M-0572, 73.054-M-0573, 73.054-M-0574, 73.054-M-0575, 73.054-M-0589, 73.054-M-0621, 73.054-M-0622, 73.054-M-0623, 73.054-M-0624, 73.054-M-0625, 73.054-M-0626, 73.054-M-0627, 73.054-M-0628, 73.054-M-0629, 73.054-M-0630, 73.054-M-0631, 73.054-M-0632, 73.054-M-0633, 73.054-M-0634, 73.054-M-0635, 73.054-M-0636, 73.054-M-0637, 73.054-M-0638, 73.054-M-0639, 73.054-M-0640, 73.054-M-0641, 73.054-M-0642, 73.054-M-0643, 73.054-M-0644, 73.054-M-0653, 73.054-M-0654, 73.054-M-0655, 73.054-M-0656, 73.054-M-0657, 73.054-M-0658, 73.054-M-0659, 73.054-M-0989, 73.054-M-0990, 73.054-M-0991, 73.054-M-0992, 73.054-M-0993, 73.054-M-1140, 73.054-M-1141, 73.054-M-1142, 73.054-M-1143, 73.054-M-1144, 73.054-M-1145, 73.054-M-1146, 73.054-M-1147, 73.054-M-1172 - Azafi (07 34 00 N 01 02 00 E, 253

m): **RMCA**: 73.069-M-0015, 73.069-M-0072, 73.069-M-0073, 73.069-M-0074, 73.069-M-0075, 73.069-M-0076, 73.069-M-0077, 73.069-M-0078, 73.069-M-0079, 73.069-M-0080, 73.069-M-0081, 73.069-M-0082, 73.069-M-0083, 73.069-M-0084, 73.069-M-0219 - Badou - Anonoe (07 35 00 N 00 36 00 E): **RMCA**: 73.009-M-0319, 73.009-M-0320, 73.009-M-0321, 73.009-M-0322, 73.009-M-0323, 73.009-M-0324, 73.009-M-0325, 73.009-M-0326, 73.009-M-0327, 73.009-M-0328, 73.009-M-0329, 73.009-M-0330, 73.009-M-0331, 73.009-M-0332, 73.009-M-0333, 73.009-M-0334, 73.009-M-0335, 73.009-M-0336, 73.009-M-0337, 73.009-M-0338, 73.009-M-0339, 73.009-M-0340, 73.009-M-0341, 73.009-M-0342, 73.009-M-0343, 73.009-M-0344, 73.009-M-0345, 73.009-M-0346, 73.009-M-0347, 73.009-M-0348, 73.009-M-0349, 73.009-M-0350, 73.009-M-0351, 73.009-M-0352, 73.009-M-0353, 73.009-M-0354, 73.009-M-0355, 73.009-M-0356, 73.009-M-0357, 73.009-M-0358, 73.009-M-0359, 73.009-M-0360, 73.009-M-0361, 73.009-M-0362, 73.009-M-0363, 73.009-M-0364, 73.009-M-0365, 73.009-M-0366, 73.009-M-0367, 73.009-M-0368, 73.009-M-0369, 73.009-M-0370, 73.009-M-0371, 73.009-M-0372, 73.009-M-0373, 73.009-M-0374, 73.009-M-0375, 73.009-M-0376, 73.009-M-0497, 73.009-M-0498, 73.009-M-0499, 73.009-M-0500, 73.009-M-0501, 73.009-M-0580 - Binaparba (09 14 00 N 00 46 00 E, 456 m): **RMCA**: 73.009-M-0411, 73.009-M-0412, 73.009-M-0413, 73.009-M-0414, 73.009-M-0415, 73.009-M-0502 - Bismarckburg [=Adéle] (08 11 00 N 00 41 00 E): **ZMB**: 10051, 6755, 6756 - Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0654, 73.013-M-0655, 73.013-M-0656 - Dédomé (07 30 00 N 00 59 00 E, 265 m): **RMCA**: 73.069-M-0013, 73.069-M-0041, 73.069-M-0042, 73.069-M-0043, 73.069-M-0044, 73.069-M-0045, 73.069-M-0046, 73.069-M-0213 - Dzogbégan (07 14 00 N 00 41 00 E, 698 m): **RMCA**: 73.013-M-0662, 73.013-M-0663, 73.013-M-0664, 73.013-M-0665, 73.013-M-0666, 73.013-M-0667, 73.013-M-0669 - Ebéva (07 31 00 N 01 05 00 E, 212 m): **RMCA**: 73.054-M-0542, 73.054-M-0543, 73.054-M-0544, 73.054-M-0545, 73.054-M-0546, 73.054-M-0547, 73.054-M-0548, 73.054-M-0549, 73.054-M-0550, 73.069-M-0016, 73.069-M-0018, 73.069-M-0019, 73.069-M-0022, 73.069-M-0023, 73.069-M-0024, 73.069-M-0085, 73.069-M-0086, 73.069-M-0087, 73.069-M-0088, 73.069-M-0089, 73.069-M-0090, 73.069-M-0091, 73.069-M-0092, 73.069-M-0093, 73.069-M-0094, 73.069-M-0095, 73.069-M-0096, 73.069-M-0097, 73.069-M-0098, 73.069-M-0099, 73.069-M-0100, 73.069-M-0101, 73.069-M-0102, 73.069-M-0103, 73.069-M-0104, 73.069-M-0105, 73.069-M-0106, 73.069-M-0107, 73.069-M-0108, 73.069-M-0109, 73.069-M-0110, 73.069-M-0111, 73.069-M-0112, 73.069-M-0113, 73.069-M-0114, 73.069-M-0115, 73.069-M-0116, 73.069-M-0117, 73.069-M-0118, 73.069-M-0119, 73.069-M-0120, 73.069-M-0121, 73.069-M-0122, 73.069-M-0123, 73.069-M-0124, 73.069-M-0125, 73.069-M-0126, 73.069-M-0127, 73.069-M-0128, 73.069-M-0129, 73.069-M-0130, 73.069-M-0131, 73.069-M-0132, 73.069-M-0133, 73.069-M-0134, 73.069-M-0135, 73.069-M-0136, 73.069-M-0137, 73.069-M-0138, 73.069-M-0139, 73.069-M-0140, 73.069-M-0141, 73.069-M-0142, 73.069-M-0143, 73.069-M-0144, 73.069-M-0145, 73.069-M-0146, 73.069-M-0147, 73.069-M-0148, 73.069-M-0149, 73.069-M-0150, 73.069-M-0151, 73.069-M-0152, 73.069-M-0153, 73.069-M-0154, 73.069-M-0155, 73.069-M-0156, 73.069-M-0157, 73.069-M-0158, 73.069-M-0159, 73.069-M-0160, 73.069-M-0161, 73.069-M-0162, 73.069-M-0163, 73.069-M-0164, 73.069-M-0165, 73.069-M-0166, 73.069-M-0167, 73.069-M-0168, 73.069-M-0169, 73.069-M-0170, 73.069-M-0171, 73.069-M-0172, 73.069-M-0173, 73.069-M-0174, 73.069-M-0175, 73.069-M-0176, 73.069-M-0177, 73.069-M-0178, 73.069-M-0179, 73.069-M-0180, 73.069-M-0181, 73.069-M-0182, 73.069-M-0183, 73.069-M-0184, 73.069-M-0185, 73.069-M-0186, 73.069-M-0187, 73.069-M-0188, 73.069-M-0189, 73.069-M-0190, 73.069-M-0191, 73.069-M-0192, 73.069-M-0193, 73.069-M-0194, 73.069-M-0195, 73.069-M-0196, 73.069-M-0197, 73.069-M-0198, 73.069-M-0199, 73.069-M-0200, 73.069-M-0201, 73.069-M-0202, 73.069-M-0203, 73.069-M-0204, 73.069-M-0205, 73.069-M-0206, 73.069-M-0207, 73.069-M-0208, 73.069-M-0209, 73.069-M-0210, 73.069-M-0211, 73.069-M-0212, 73.069-M-0220, 73.069-M-0221, 73.069-M-0222, 73.069-M-0223, 73.069-M-0224, 73.069-M-0225, 73.069-M-0226, 73.069-M-0227, 73.069-M-0228, 73.069-M-0229, 73.069-M-0230 - Edifou (07 29 00 N 00 58 00 E, 231 m): **RMCA**: 73.054-M-0810, 73.054-M-0811, 73.054-M-0812, 73.054-M-0813, 73.054-M-0814, 73.054-M-0815, 73.054-M-0816, 73.054-M-0828, 73.054-M-0829, 73.054-M-0830, 73.054-M-0831, 73.054-M-0832, 73.054-M-0833, 73.054-M-0834, 73.054-M-0835, 73.054-M-0836, 73.054-M-0837, 73.054-M-0838, 73.054-M-0839, 73.054-M-0840, 73.054-M-0841, 73.054-M-0842, 73.054-M-0843, 73.054-M-0844, 73.054-M-0845, 73.054-M-0846, 73.054-M-0847, 73.054-M-0848, 73.054-M-0849, 73.054-M-0850, 73.054-M-0851, 73.054-M-0852, 73.054-M-0853, 73.054-M-0854, 73.054-M-0855, 73.054-M-0856, 73.054-M-0857, 73.054-M-0858, 73.054-M-0859, 73.054-M-0860, 73.054-M-0861, 73.054-M-0862, 73.054-M-0863, 73.054-M-0864, 73.054-M-0865, 73.054-M-0866, 73.054-M-0867, 73.054-M-0868, 73.054-M-0869, 73.054-M-0870, 73.054-M-0871, 73.054-M-0872, 73.054-M-0873, 73.054-M-0874, 73.054-M-0875, 73.054-M-0876, 73.054-M-0877, 73.054-M-0878, 73.054-M-0879, 73.054-M-0880, 73.054-M-0881, 73.054-M-0882, 73.054-M-0883, 73.054-M-0884, 73.054-M-0885, 73.054-M-0886, 73.054-M-0887, 73.054-M-0888, 73.054-M-0889, 73.054-M-0890, 73.054-M-0891, 73.054-M-0892, 73.054-M-0893, 73.054-M-0894, 73.054-M-0895, 73.054-M-0896, 73.054-M-0897, 73.054-M-0898, 73.054-M-0899, 73.054-M-0900, 73.054-M-0901, 73.054-M-0902, 73.054-M-0903, 73.054-M-0904, 73.054-M-0905, 73.054-M-0906, 73.054-M-0907, 73.054-M-0908, 73.054-M-0909, 73.054-M-0910, 73.054-M-0911, 73.054-M-0912, 73.054-M-0913, 73.054-M-0914, 73.054-M-0915, 73.054-M-0916, 73.054-M-0917, 73.054-M-0918, 73.054-M-0919, 73.054-M-0920, 73.054-M-0921, 73.054-M-0922, 73.054-M-0923, 73.054-M-0924, 73.054-M-0925, 73.054-M-0926, 73.054-M-0927, 73.054-M-0928, 73.054-M-0929, 73.054-M-0930, 73.054-M-0931, 73.054-M-0932, 73.054-M-0933, 73.054-M-0934, 73.054-M-0935, 73.054-M-0936, 73.054-M-0937, 73.054-M-0938, 73.054-M-0939, 73.054-M-0940, 73.054-M-0941, 73.054-M-0942, 73.054-M-0943, 73.054-M-0944, 73.054-M-0945, 73.054-M-0946, 73.054-M-0947, 73.054-M-0948, 73.054-M-0949, 73.054-M-0950, 73.054-M-0951, 73.054-M-0952, 73.054-M-0953, 73.054-M-0954, 73.054-M-0955, 73.054-M-0956, 73.054-M-0957, 73.054-M-0958, 73.054-M-0959, 73.054-M-0960, 73.054-M-0961, 73.054-M-0962, 73.054-M-0963, 73.054-M-0964, 73.054-M-0965, 73.054-M-0966, 73.054-M-0967, 73.054-M-0968, 73.054-M-0969, 73.054-M-0970, 73.054-M-0971 - Evou - Akodegbe (07 33 00 N 01 02 00 E): **RMCA**: 73.054-M-0272, 73.054-M-0273, 73.054-M-0274, 73.054-M-0275, 73.054-M-0276, 73.054-M-0277, 73.054-M-0278, 73.054-M-0279, 73.054-M-0280, 73.054-M-0645, 73.054-M-0646, 73.054-M-0647, 73.054-M-0648, 73.054-M-0649, 73.054-M-0650, 73.054-M-0651, 73.054-M-0652, 73.054-M-0660, 73.054-M-0661, 73.054-M-0662, 73.054-M-0663, 73.054-M-0664, 73.054-M-0665, 73.054-M-0666, 73.054-M-0667, 73.054-M-0668, 73.054-M-0669, 73.054-M-0670, 73.054-M-0671, 73.054-M-0672, 73.054-M-0673, 73.054-M-0674, 73.054-M-0675, 73.054-M-0676 - Evou (07 32 00 N 01 02 00 E, 224 m): **RMCA**: 73.054-M-0203, 73.054-M-0253, 73.054-M-0254, 73.054-M-0255, 73.054-M-0256, 73.054-M-0257, 73.054-M-0258, 73.054-M-0259, 73.054-M-0260, 73.054-M-0261, 73.054-M-0263, 73.054-M-0264, 73.054-M-0265, 73.054-M-0266, 73.054-M-0267, 73.054-M-0268, 73.054-M-0269, 73.054-M-0270, 73.054-M-0348, 73.054-M-0349, 73.054-M-0350, 73.054-M-0351, 73.054-M-0352, 73.054-M-0353, 73.054-M-0354, 73.054-M-0355, 73.054-M-0356, 73.054-M-0357, 73.054-M-0358, 73.054-M-0359, 73.054-M-0360, 73.054-M-0361, 73.054-M-0362, 73.054-M-0363, 73.054-M-0364, 73.054-M-0365, 73.054-M-0366, 73.054-M-0367, 73.054-M-0368, 73.054-M-0369, 73.054-M-0370, 73.054-M-0371, 73.054-M-0372, 73.054-M-0373, 73.054-M-0374, 73.054-M-0375, 73.054-M-0376, 73.054-M-0377, 73.054-M-0378, 73.054-M-0379, 73.054-M-0380, 73.054-M-0381, 73.054-M-0382, 73.054-M-0383, 73.054-M-0384, 73.054-M-0385, 73.054-M-0386, 73.054-M-0387, 73.054-M-0388,

73.054-M-0389, 73.054-M-0390, 73.054-M-0391, 73.054-M-0392, 73.054-M-0393, 73.054-M-0394, 73.054-M-0395, 73.054-M-0396, 73.054-M-0397, 73.054-M-0398, 73.054-M-0399, 73.054-M-0400, 73.054-M-0401, 73.054-M-0402, 73.054-M-0403, 73.054-M-0404, 73.054-M-0405, 73.054-M-0406, 73.054-M-0407, 73.054-M-0408, 73.054-M-0409, 73.054-M-0410, 73.054-M-0411, 73.054-M-0412, 73.054-M-0413, 73.054-M-0414, 73.054-M-0415, 73.054-M-0416, 73.054-M-0417, 73.054-M-0418, 73.054-M-0419, 73.054-M-0420, 73.054-M-0421, 73.054-M-0422, 73.054-M-0423, 73.054-M-0424, 73.054-M-0425, 73.054-M-0426, 73.054-M-0427, 73.054-M-0428, 73.054-M-0429, 73.054-M-0430, 73.054-M-0431, 73.054-M-0432, 73.054-M-0433, 73.054-M-0434, 73.054-M-0435, 73.054-M-0525, 73.054-M-0526, 73.054-M-0527, 73.054-M-0534, 73.054-M-0535, 73.054-M-0541, 73.054-M-1066, 73.054-M-1067, 73.054-M-1068, 73.054-M-1069, 73.054-M-1070, 73.054-M-1071, 73.054-M-1072, 73.054-M-1073, 73.054-M-1074, 73.054-M-1075, 73.054-M-1076, 73.054-M-1077, 73.054-M-1078, 73.054-M-1079, 73.054-M-1080, 73.054-M-1081, 73.054-M-1082, 73.054-M-1083, 73.054-M-1084, 73.054-M-1085, 73.054-M-1086, 73.054-M-1087, 73.054-M-1088, 73.054-M-1089, 73.054-M-1090, 73.054-M-1091, 73.054-M-1092, 73.054-M-1093, 73.054-M-1094, 73.054-M-1095, 73.054-M-1096, 73.054-M-1097, 73.054-M-1098, 73.054-M-1099, 73.054-M-1100, 73.054-M-1101, 73.054-M-1102, 73.054-M-1103, 73.054-M-1104, 73.054-M-1105, 73.054-M-1106, 73.054-M-1107, 73.054-M-1108, 73.054-M-1109, 73.054-M-1110, 73.054-M-1111, 73.054-M-1112, 73.054-M-1113, 73.054-M-1114, 73.054-M-1115, 73.054-M-1116, 73.054-M-1117, 73.054-M-1118, 73.054-M-1119, 73.054-M-1120, 73.054-M-1121, 73.054-M-1122, 73.054-M-1123, 73.054-M-1124, 73.054-M-1125, 73.054-M-1126, 73.054-M-1127, 73.054-M-1128, 73.054-M-1129, 73.054-M-1130, 73.054-M-1131, 73.054-M-1132, 73.054-M-1133, 73.054-M-1134, 73.054-M-1135, 73.054-M-1136, 73.054-M-1137, 73.054-M-1138, 73.054-M-1139, 73.054-M-1148, 73.054-M-1167, 73.054-M-1168, 73.054-M-1169, 73.054-M-1170, 73.054-M-1171 - Evou or Atakpamé (ca. 07 18 N 01 00 E): **RMCA**: 73.054-M-2227, 73.054-M-2228, 73.054-M-2229, 73.054-M-2230, 73.054-M-2231, 73.054-M-2232, 73.054-M-2233, 73.054-M-2234 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **RMCA**: 73.054-M-0166, 73.054-M-0740, 73.054-M-0741, 73.054-M-0742, 73.054-M-0743, 73.054-M-0744, 73.054-M-0745, 73.054-M-0746, 73.054-M-0747, 73.054-M-0748, 73.054-M-0749, 73.054-M-0750, 73.054-M-0751, 73.054-M-0752, 73.054-M-0753, 73.054-M-0754, 73.054-M-0755, 73.054-M-0756, 73.054-M-0757, 73.054-M-0758, 73.054-M-0759, 73.054-M-0760, 73.054-M-0761, 73.054-M-0762, 73.054-M-0763, 73.054-M-0764, 73.054-M-0765, 73.054-M-0766, 73.054-M-0767, 73.054-M-0768, 73.054-M-0769, 73.054-M-0770, 73.054-M-0771, 73.054-M-0772, 73.054-M-0773, 73.054-M-0774, 73.054-M-0775, 73.054-M-0776, 73.054-M-0777, 73.054-M-0778, 73.054-M-0779, 73.054-M-0780, 73.054-M-0781, 73.054-M-0782, 73.054-M-0783, 73.054-M-0784; **USNM**: 437593 - Fazao (08 42 00 N 00 47 00 E, 593 m): **RMCA**: 73.011-M-0485, 73.011-M-0486, 73.011-M-0487, 73.011-M-0488, 73.011-M-0489, 73.011-M-0490, 73.011-M-0491, 73.011-M-0492, 73.011-M-0493, 73.011-M-0494, 73.011-M-0495, 73.011-M-0496, 73.011-M-0497, 73.011-M-0498, 73.011-M-0499, 73.011-M-0500, 73.011-M-0501, 73.011-M-0502, 73.011-M-0503, 73.011-M-0504, 73.011-M-0505, 73.011-M-0506, 73.011-M-0507, 73.011-M-0508, 73.011-M-0509, 73.011-M-0510, 73.011-M-0511, 73.011-M-0512, 73.011-M-0513, 73.011-M-0514, 73.011-M-0515, 73.011-M-0516, 73.011-M-0517, 73.011-M-0518, 73.011-M-0519, 73.011-M-0520, 73.011-M-0521, 73.011-M-0522, 73.011-M-0523, 73.011-M-0524, 73.011-M-0525, 73.011-M-0526, 73.011-M-0527, 73.011-M-0528, 73.011-M-0529, 73.011-M-0530, 73.011-M-0531, 73.011-M-0532, 73.011-M-0533, 73.011-M-0534, 73.011-M-0535, 73.011-M-0536, 73.011-M-0537, 73.011-M-0538, 73.011-M-0539, 73.011-M-0540, 73.011-M-0541, 73.011-M-0542, 73.011-M-0543, 73.011-M-0544, 73.011-M-0545, 73.011-M-0546, 73.011-M-0547, 73.011-M-0548, 73.011-M-0549, 73.011-M-0919, 73.011-M-0920, 73.011-M-0921, 73.011-M-0922, 73.011-M-0923, 73.011-M-0924, 73.011-M-0925, 73.011-M-0926, 73.011-M-0927, 73.011-M-0928, 73.011-M-0929, 73.011-M-0930, 73.011-M-0931, 73.011-M-0932, 73.011-M-0933 - Ihounabe (07 21 00 N 00 55 00 E): **RMCA**: 73.069-M-0061, 73.069-M-0062, 73.069-M-0063, 73.069-M-0064, 73.069-M-0065, 73.069-M-0066, 73.069-M-0067, 73.069-M-0068, 73.069-M-0069, 73.069-M-0070, 73.069-M-0071, 73.069-M-0216, 73.069-M-0217, 73.069-M-0218 - Kamina (07 31 00 N 01 11 00 E, 206 m): **RMCA**: 73.054-M-0506, 73.054-M-0507, 73.054-M-0508, 73.054-M-0509, 73.054-M-0510, 73.054-M-0511, 73.054-M-0512, 73.054-M-0513, 73.054-M-0517, 73.054-M-0518, 73.054-M-0519, 73.054-M-0576, 73.054-M-0577, 73.054-M-0578, 73.054-M-0579, 73.054-M-0580, 73.054-M-0581, 73.054-M-0582, 73.054-M-0583, 73.054-M-0584, 73.054-M-0585, 73.054-M-0586, 73.054-M-0587, 73.054-M-0588 - Klein-Popo [=Aného] (06 14 00 N 01 36 00 E, 63 m): **ZMB**: 10003 - Kodegbe (07 31 00 N 01 03 00 E): **RMCA**: 73.054-M-0677, 73.054-M-0678, 73.054-M-0679, 73.054-M-0680, 73.054-M-0681, 73.054-M-0682, 73.054-M-0683, 73.054-M-0684 - Kolokopé (07 48 00 N 01 18 00 E, 147 m): **RMCA**: 73.011-M-0550, 73.011-M-0551, 73.011-M-0552, 73.011-M-0553, 73.011-M-0554, 73.011-M-0555, 73.011-M-0556, 73.011-M-0557, 73.011-M-0558, 73.011-M-0559, 73.011-M-0560, 73.011-M-0561, 73.011-M-0562, 73.011-M-0934, 73.011-M-0935, 73.011-M-0936, 73.011-M-0937 - Korrekope (07 48 00 N 01 16 00 E, 147 m): **RMCA**: 73.014-M-0001, 73.014-M-0002, 73.029-M-0084 - Koutoukpa (07 31 00 N 00 59 00 E, 458 m): **RMCA**: 73.054-M-0785, 73.054-M-0786, 73.054-M-0787, 73.054-M-0788, 73.054-M-0789, 73.054-M-0790, 73.054-M-0791, 73.054-M-0792, 73.054-M-0793, 73.054-M-0794, 73.054-M-0795, 73.054-M-0796, 73.054-M-0797, 73.054-M-0798, 73.054-M-0799, 73.054-M-0800, 73.054-M-0801, 73.054-M-0802, 73.054-M-0803, 73.054-M-0804, 73.054-M-0805, 73.054-M-0806, 73.054-M-0807, 73.054-M-0808, 73.054-M-0817, 73.054-M-0818, 73.054-M-0819, 73.054-M-0820, 73.054-M-0821, 73.054-M-0822, 73.054-M-0823, 73.054-M-0824, 73.054-M-0825, 73.054-M-0826, 73.054-M-0827 - Lomnava (07 31 00 N 01 08 00 E, 379 m): **RMCA**: 73.054-M-0271, 73.054-M-0552, 73.054-M-0553, 73.054-M-0554, 73.054-M-0555 - Malfakassa (09 10 00 N 00 58 00 E): **RMCA**: 73.009-M-0416 - Mango (10 21 33 N 00 28 15 E, 134 m): **RMCA**: 73.013-M-0657, 73.013-M-0658, 73.013-M-0659, 73.013-M-0660, 73.013-M-0661, 73.013-M-0670, 73.013-M-0671 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.011-M-0482, 73.011-M-0483, 73.011-M-0484; **ZMB**: 10050 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0470, 73.011-M-0471, 73.011-M-0472 - Niamtougou (09 46 06 N 01 06 19 E, 378 m): **RMCA**: 73.011-M-0465, 73.011-M-0466, 73.011-M-0467, 73.011-M-0468, 73.011-M-0469, 73.011-M-0918 - no specific locality: **RMCA**: 73.054-M-0704, 73.054-M-0713 - Nuatja (06 57 00 N 01 10 00 E, 146 m): **RMCA**: 73.009-M-0318 - Odjolo (07 32 00 N 01 02 00 E): **RMCA**: 73.054-M-0281, 73.054-M-0282, 73.054-M-0283, 73.054-M-0284, 73.054-M-0285, 73.054-M-0286, 73.054-M-0287, 73.054-M-0288, 73.054-M-0289, 73.054-M-0290, 73.054-M-0291, 73.054-M-0292, 73.054-M-0293, 73.054-M-0294, 73.054-M-0295, 73.054-M-0296, 73.054-M-0297, 73.054-M-0298, 73.054-M-0299, 73.054-M-0300, 73.054-M-0301, 73.054-M-0302, 73.054-M-0303, 73.054-M-0304, 73.054-M-0305, 73.054-M-0306, 73.054-M-0307, 73.054-M-0308, 73.054-M-0309, 73.054-M-0310, 73.054-M-0311, 73.054-M-0312, 73.054-M-0313, 73.054-M-0314, 73.054-M-0315, 73.054-M-0316, 73.054-M-0317, 73.054-M-0318, 73.054-M-0319, 73.054-M-0320, 73.054-M-0321, 73.054-M-0322, 73.054-M-0323, 73.054-M-0324, 73.054-M-0325, 73.054-M-0326, 73.054-M-0327, 73.054-M-0328, 73.054-M-0329, 73.054-M-0330, 73.054-M-0331, 73.054-M-0332, 73.054-M-0333, 73.054-M-0334, 73.054-M-0335, 73.054-M-0336, 73.054-M-0337, 73.054-M-0338, 73.054-M-0339, 73.054-M-0340, 73.054-M-0341, 73.054-M-0342, 73.054-M-0343, 73.054-M-0344, 73.054-M-0345, 73.054-M-0346, 73.054-M-0347, 73.054-M-0994, 73.054-M-0995, 73.054-M-0996, 73.054-M-0997, 73.054-M-0998, 73.054-M-0999, 73.054-M-1000, 73.054-M-1001, 73.054-M-1002, 73.054-M-1003, 73.054-M-1004, 73.054-M-1005, 73.054-M-

1006, 73.054-M-1007, 73.054-M-1008, 73.054-M-1009, 73.054-M-1010, 73.054-M-1011, 73.054-M-1012, 73.054-M-1013, 73.054-M-1014, 73.054-M-1015, 73.054-M-1016, 73.054-M-1017, 73.054-M-1018, 73.054-M-1019, 73.054-M-1020, 73.054-M-1021, 73.054-M-1022, 73.054-M-1023, 73.054-M-1024, 73.054-M-1025, 73.054-M-1026, 73.054-M-1027, 73.054-M-1028, 73.054-M-1029, 73.054-M-1030, 73.054-M-1031, 73.054-M-1032, 73.054-M-1033, 73.054-M-1034, 73.054-M-1035, 73.054-M-1036, 73.054-M-1037, 73.054-M-1038, 73.054-M-1039, 73.054-M-1040, 73.054-M-1041, 73.054-M-1042, 73.054-M-1043, 73.054-M-1044, 73.054-M-1045, 73.054-M-1046, 73.054-M-1047, 73.054-M-1048, 73.054-M-1049, 73.054-M-1050, 73.054-M-1051, 73.054-M-1052, 73.054-M-1053, 73.054-M-1054, 73.054-M-1055, 73.054-M-1056, 73.054-M-1057, 73.054-M-1058, 73.054-M-1059, 73.054-M-1060, 73.054-M-1061, 73.054-M-1062, 73.054-M-1063, 73.054-M-1064, 73.054-M-1065, 73.054-M-1149, 73.054-M-1150, 73.054-M-1151, 73.054-M-1152, 73.054-M-1153, 73.054-M-1154, 73.054-M-1155, 73.054-M-1156, 73.054-M-1157, 73.054-M-1158, 73.054-M-1159, 73.054-M-1160, 73.054-M-1161, 73.054-M-1162, 73.054-M-1163, 73.054-M-1164, 73.054-M-1165, 73.054-M-1166, 73.069-M-0014, 73.069-M-0047, 73.069-M-0048, 73.069-M-0049, 73.069-M-0050, 73.069-M-0051, 73.069-M-0052, 73.069-M-0053, 73.069-M-0054, 73.069-M-0055, 73.069-M-0056, 73.069-M-0057, 73.069-M-0058, 73.069-M-0059, 73.069-M-0060, 73.069-M-0214, 73.069-M-0215 - Pagala (08 13 00 N 00 53 00 E, 368 m): **USNM**: 437592 - Paio (10 14 00 N 00 43 00 E, 146 m): **RMCA**: 73.009-M-0406, 73.009-M-0407, 73.009-M-0408, 73.009-M-0409, 73.009-M-0410 - Tchonou (07 30 00 N 01 15 00 E, 152 m): **RMCA**: 73.054-M-0456, 73.054-M-0457, 73.054-M-0458, 73.054-M-0459, 73.054-M-0460, 73.054-M-0461, 73.054-M-0462, 73.054-M-0463, 73.054-M-0468, 73.054-M-0469, 73.054-M-0470, 73.054-M-0471, 73.054-M-0472, 73.054-M-0474, 73.054-M-0475, 73.054-M-0476, 73.054-M-0477, 73.054-M-0478, 73.054-M-0479 - Témédja (07 31 00 N 01 03 00 E, 226 m): **RMCA**: 73.054-M-0502, 73.054-M-0514, 73.054-M-0515, 73.054-M-0516, 73.054-M-0520, 73.054-M-0521, 73.054-M-0522, 73.054-M-0528, 73.054-M-0529, 73.054-M-0530, 73.054-M-0531, 73.054-M-0532, 73.054-M-0533, 73.054-M-0536, 73.054-M-0537, 73.054-M-0538, 73.054-M-0539, 73.054-M-0540 - Tététou (07 01 00 N 01 30 00 E, 105 m): **RMCA**: 73.011-M-0563, 73.011-M-0564, 73.011-M-0565, 73.011-M-0566 - Togoville (06 12 41 N 01 28 41 E, 63 m): **RMCA**: 73.011-M-0567, 73.011-M-0568, 73.011-M-0569, 73.011-M-0570, 73.011-M-0571, 73.011-M-0572, 73.011-M-0573, 73.011-M-0574, 73.011-M-0575, 73.011-M-0576, 73.011-M-0577 - Tomegbé (07 31 00 N 00 36 00 E, 319 m): **RMCA**: 73.011-M-0473, 73.011-M-0474, 73.011-M-0475, 73.011-M-0476, 73.011-M-0477, 73.011-M-0478, 73.011-M-0479, 73.011-M-0480, 73.011-M-0481.

Uganda:

Unknown locality: **BMNH**: 1962.462, 1964.71, 1971.1543_1, 1971.1543_2, 1971.1543_3, 1971.1543_4, 1971.1543_5, 1971.1543_6, 1971.1543_7, 1971.959 - Ajumani (032141N 314835E, 761 m): **FMNH**: 149677 - Arua (030109N 305551E): **ROM**: 39897, 39898, 39899 - Budongo Forest (014416N 313322E, 4000 ft): **LACM**: 36119, 51409, 51410, 51411, 51412, 51415, 51416, 51417, 51419, 51420, 51421, 51422, 51423, 51424, 54148 - Budongo Forest (0146N 3133E): **ROM**: 46438, 46439, 46440, 46446 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 152357, 152358, 152359, 152360 - Budongo Forest (0146N 3133E, 1372 m): **ROM**: 40156, 48494 - Bufumira Island (0022S 3224E): **FMNH**: 149668, 149669 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **FMNH**: 67861 - Entebbe, near (000352N 322649E, 1158 m): **FMNH**: 67860 - Gulu (0245N 3218E): **ROM**: 78091, 78092, 78093; **USNM**: 351199 - Kalangala, 1.0 km N, 0.5 km E (001832S 321330E, 1140 m): **FMNH**: 137474, 137475, 137616, 137617, 137618 - Katalemura (002427N 323506E): **ROM**: 40064 - Kiriamo: **BMNH**: 1890.6.8.14 - Metu (033913N 314805E): **FMNH**: 149678, 149679, 149680, 149681, 149682, 149683, 149684, 149685, 149686, 149687, 149688, 149689, 149690 - Moyo, 10 mi [=16 km] E (03 39 N 31 43 E, 750 -1067 m): **ROM**: 65859 - near Arua: **ROM**: 39363, 39891, 39893, 39894, 39895 - Ntandi (004800N 300900E): **LACM**: 51414 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 164957, 164958, 165113, 165114, 165115, 165116; **MCZ**: 62441 - Sipi (011835N 342227E, 1791 m): **MCZ**: 31122 - Tende (0028S 3229E): **FMNH**: 149670, 149671, 149672, 149673, 149674, 149675, 149676 - Tororo (004105N 341052E, 1185 m): **CAS**: 24643, 24644, 24645, 24646.

Zambia:

Jimbe Stream (10.95S 24.08E): **NMZL**: 3601 - Masali Mine (1405S 3259E): **BMNH**: 1972.542_1, 1972.542_2, 1972.542_3.

Myonycteris angolensis (Bocage, 1898)

Angola:

Cabuta (09.88S 14.88E): **IICA**: 6618 - Congulu (10.88S 14.38E): **BMNH**: 1935.1.6.10, 1935.1.6.11 - Pungo Andongo: **BMNH**: 1897.8.6.1 (Syntype *Cynonycteris Angolensis*) - Pungo Andongo (09 40 S 15 35 E, 1200 m): **MLZA**: T113 [a] (Syntype *Cynonycteris Angolensis*), T113 [b] (Syntype *Cynonycteris Angolensis*).

Burkina Faso:

Unknown locality: **SMF**: 60908 - Orodara, 27 km ENE (1104N 0441W): **USNM**: 467761, 467762.

Burundi:

Giserama Colline (025027S 292507E, 2100 m): **FMNH**: 148350, 148973, 148974, 148975 - Kayanza (025520S 293720E, 1957 m): **SMF**: 57579, 57580, 57581, 57582 - Kigwena Hill (040838S 293207E, 800 m): **FMNH**: 148349 - Kigwena Hill (040838S 293207E, 918 m): **RMCA**: 82.016-M-0069 - Kwogofe Colline (0250S 2925E, 2180 m): **FMNH**: 148358 - Kwogofe Colline (0250S 2925E, 2200 m): **FMNH**: 148362, 148363 - Kwogofe Colline (0250S 2925E, 2210 m): **FMNH**: 148360, 148361 - Kwogofe Colline (0250S 2925E, 2230 m): **FMNH**: 148352, 148353, 148354, 148355, 148356, 148357 - Kwogofe Colline (0250S 2925E, 2240 m): **FMNH**: 148351, 148359 - Mumushwizi Valley (0355S 2935E, 1880 m): **FMNH**: 155943, 155944, 155945, 155946 - Nyagatarugwa River Valley (0355S 2935E, 1785 m): **FMNH**: 148341, 148342, 148343, 148344, 148345, 148346, 148347, 148348 - Nyamugari hill (0318S 2945E, 2590 m): **FMNH**: 148364 - Ruhinga Hill (0355S 2935E, 2170 m): **FMNH**: 155947, 155948, 155949, 155950, 155951, 155952, 155953, 155954, 155955, 155956, 155957, 155958, 155959, 155960, 155961, 155962, 155963, 155964, 155965, 155966, 155967, 155968.

Cameroon:

Unknown locality: **BMNH**: 1956.186; **ROM**: 57032; **SMF**: 5772 - Bimbia (03 57 16 N 09 14 42 E, 98 m): **ZMB**: 67159, 67160, 67161, 67162, 67163, 67164, 67165, 67166, 67167, 67168 - Bimbia (035716N 091442E): **ROM**: 39111 - Boteke Village (0406N 0912E): **ROM**: 69064, 69082, 69083 - Buéa (04 09 34 N 09 14 12 E, 1850 m): **ROM**: 56905, 56939, 56941, 56942, 56943, 57003; **ZMB**: 54982 - Buéa (04 09 34 N 09 14 12 E, 895 - 1850 m): **RMCA**: 95.003-M-0052, 95.003-M-0053, 95.003-M-0054 - Buea station, 2 km S (0409N 0912E): **ROM**: 68965 - Buéa Station, 2 km W (04 09 N 09 12 E): **ROM**: 69003 - Buea, near (0409N 0912E, 1050m): **ROM**: 46757, 46758, 46759, 46760, 46761, 46762, 46763, 46764, 46765, 46766, 46767, 46768, 46769, 50874, 50875, 50876, 50877, 50878, 50879, 50880, 50881, 50882, 50883,

50884, 50885, 50906, 51017, 51018, 51019, 51020 - Great Soppo Forest (040917N 091434E, 824 m): **ROM**: 55545, 56922 - Kribi (0255N 0955E): **ROM**: 56266 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 37761, 37763, 37764, 37765, 37766, 37767, 37768, 37774, 37775, 37777, 37778, 37779, 37823, 37825, 37846, 37847, 54310, 54311, 54312, 55522, 55523, 55526, 55527, 55532, 55533, 55649, 55655, 55731 - Lékoun (04 13 00 N 11 14 00 E, 499 m): **RMCA**: 73.029-M-0150, 73.029-M-0151, 73.029-M-0152, 73.029-M-0153, 73.029-M-0154, 73.029-M-0155, 73.029-M-0156, 73.029-M-0157 - Mamfe, 15 km SE (ca. 05 40 N 09 23 E): **TTU**: 17948, 17949 - Man O'War Bay (03 57 30 N 09 13 00 E, 139 m): **ROM**: 55764, 55765, 55766, 55767, 55768, 55769 - Mawutu Village: **ROM**: 69138 - Mayo Darle, 6 km N (ca. 0628N 1133E): **ROM**: 55900 - Meïganga (06 31 00 N 14 18 00 E, 978 m): **RMCA**: 73.017-M-0245 - Mount Cameroon (0413N 0910E, 1768 m): **ROM**: 56902 - Musaké (04 12 N 09 12 E, 1830 m): **MNHN**: ZM-MO-1983-1086 - Mvenge, 6 km W (0317N 1101E): **ROM**: 56208, 56209, 56225 - Olounou (02 49 00 N 12 08 00 E, 658 m): **RMCA**: 73.016-M-0637, 73.016-M-0638 - Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0244 - Saxenhof (04 05 54 N 09 13 02 E, 469 m): **ROM**: 50886, 50887, 50888 - Sud-Ouest region: **SMF**: 68254, 68255 - Tombel (0446N 0938E): **ROM**: 39251, 43385, 43390, 43391, 43392, 43393, 43394, 43395, 43396 - Waza (11 23 41 N 14 34 09 E, 321 m): **MNHN**: ZM-MO-1975-1061.

Congo:

Kila N'Tari cave (04 07 13 S 13 51 10 E): **MNHN**: ZM-MO-1975-793 - Mpoka to Méya (03 54 S 14 30 E): **MNHN**: ZM-MO-1985-1182 - Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15537 - Sibiti cave (03 41 09 S 13 20 45 E, 440 m): **MNHN**: ZM-MO-1985-1164.

Congo (Democratic Republic of the):

Alambi (02 07 N 28 49 E, 913 m): **MHNG**: 1872.072, 1872.073, 1872.074, 1872.075, 1872.076, 1872.077 - Banjan caves (051600S 145300E): **RMCA**: 13689 - Barafinda, cave b 13 (054300S 142800E): **RMCA**: 22504, 22505, 22506, 22507, 22508, 22509, 22510 - Bitale (02 13 00 S 28 38 00 E): **RMCA**: 36230, 36231 - Bossafinda (ca. 051500S 145200E): **BMNH**: 1954.846, 1954.847, 1954.848, 1954.849, 1954.850 - Bukavu (02 30 30 S 28 51 39 E, 1498 m): **RMCA**: 99.011-M-0002, 99.011-M-0003 - Bushokwe Caves (ca. 02 59 27 S 28 55 29 E): **MCZ**: 48288, 48289, 48290, 48291, 48292, 48293, 48294, 48295, 48296, 48297, 48298, 48299, 49032 - Butembo (0009N 2917E, 1381 m): **RMCA**: 23449, 23675, 23741, 26435, 26652, 36194, 36204, 36207, 36208 - Djelube river, lower (00 35 N 029 40 E, 850 m): **RBINS**: 13228 - Djugu forest (01 55 00 N 30 30 00 E, 1530 m): **RMCA**: 23151 - Eidolon land (ca. 10 30 S 27 30 E): **MNHN**: ZM-2011-804, ZM-2011-805, ZM-2011-806 - Goroumbwa Mine (03 06 45.66 N 29 34 13.62 E): **TM**: DBA069, DBA076, DBA126, DBA227, DBA230, DBA287 - Grand ebouli de Lemera (040400S 280400E): **RMCA**: 26706 - Kabambi (00 51 00 N 29 39 00 E, 1260 m): **INPBC**: W1461 - Kabobo Forest (04 59 29 S 29 04 49 E, 1950 m): **FMNH**: 195081 - Kakanda cave (104700S 263600E, 1438 m): **RMCA**: 33064 - Kalumbu cave (10 51 00 S 26 39 00 E): **RMCA**: 27592, 27593 - Kasai (ca. 06 00 S 22 00 E): **RMCA**: 83.025-M-0023 - Katanda (00 50 54 S 29 22 08 E, 975 m): **INPBC**: W975.2 - Kibwe Lya Mikako cave (00 14 42 S 29 01 00 E, 1500 m): **RMCA**: 35168, 35169, 35204 - Kiliza (river) (03 22 16 S 28 01 22 E): **RMCA**: 34210 - Kilo mines (01 48 N 30 14 E, 1466 m): **RMCA**: 19090, 19091, 19092, 19093, 19094 - Kimbemba cataracts (04 51 00 S 14 06 00 E): **RMCA**: 13701 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 88.017-M-0001 - Komanda (01 23 00 N 29 46 00 E, 928 m): **MHNG**: 1872.078, 1872.079, 1872.080 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 15760a - Lubango (001900N 291300E, 2197 m): **RMCA**: 20691 - Lutunguru (002812S 284846E, 1774 m): **RMCA**: 18862, 18863, 19052, 19053, 20820 - Maboya (00 19 00 N 29 20 00 E, 1374 m): **RMCA**: 36247, 38573, 38578, 38579, 38580, 38581, 38582 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 88.017-M-0002, 88.017-M-0003 - Masibingi (00 02 N 29 02 E): **RMCA**: 38568, 38577 - Matupi Cave (01 16 12 N 029 54 36 E, 3500 ft): **INPBC**: W1459; **RMCA**: 37118 - Miki (032346S 284141E, 2060 m): **RMCA**: 23423 - Mongbwalu (01 57 00 N 30 02 00 E, 1374 m): **RMCA**: 15759 - Montembessa cave: **MNHN**: ZM-MO-1985-1165, ZM-MO-1985-1166, ZM-MO-1985-1167 - Mount Hoyo caves (01 13 00 N 29 49 00 E, 1200 m): **USNM**: 301703, 301704, 301705, 301706, 301707, 301708, 301709, 301710, 301711, 301712 - Mount Wago (014500N 304000E, 2240 m): **BMNH**: 1953.477, 1953.478; **RBINS**: 21665; **RMCA**: 20804 - Mule (02 24 20 S 28 33 10 E, 1936 m): **RMCA**: 36232 - Munoi (08 45 S 26 46 E): **RBINS**: 10662 - Muvo, mount (01 14 S 29 18 E): **INPBC**: V1235 - Mwenga (03 02 19 S 28 25 57 E, 1643 m): **RMCA**: 38588 - Mwenge (03 42 00 S 28 10 00 E, 1100 m): **RMCA**: 35077 - Pelenge, gorges (08 40 12 S 26 49 48 E): **RBINS**: 10660 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **RMCA**: 14597 - Saliboko (014200N 302900E, 1874 m): **RBINS**: 21666; **RMCA**: 81.012-M-0044, 81.012-M-0045, 81.012-M-0046 - Shabunda (024200S 272000E, 596 m): **RMCA**: 23177, 23178 - Tamba Tamba cave b 12 (054300S 142700E): **RMCA**: 22677b - Thysville (051500S 145200E, 604 m): **RMCA**: 32388, 32389, 32655, 32656, 32767, 32777, 32778, 32779, 33568 - Thysville, cave b 13 a (051600S 145300E): **RMCA**: 22503, 22671, 22672 - Wago (mount) (014500N 300400E, 2240 m): **RMCA**: 21436, 21437.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1975-1017, ZM-MO-1981-944; **SMF**: 84383, 84384, 84385, 84386 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 34997 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1727, ZM-MO-1985-552.

Equatorial Guinea:

Malabo, Basilé, San Fernando cave (03 44 N 08 49 E, 1100 m): **MNCN**: 54 (Paratype *Rousettus (Lissonycteris) crypticola*) - Moka (03 20 N 08 40 E, 1013 m): **AMNH**: 206953 - Santa Isabel (03 45 04 N 08 44 31 E): **BMNH**: 1960.242, 1960.243.

Ethiopia:

Agaro, 30 km from (ca. 14 27 37 N 39 11 12 E): **MNHN**: ZM-MO-1972-482K - Bishan Waka Lake, E side shore (07 18 01 N 35 16 24 E, 1402 m): **BRTC**: 58472, 58481 - Bishan Waka Lake, E side shore (07 18 01 N 35 16 24 E, 1434 m): **BRTC**: 58482 - Bora River Bridge (1670 m): **BRTC**: 58473, 58474, 58475 - Didessa settlement (09 02 N 36 09 E): **USNM**: 497488, 497489, 497490 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1390 m): **BRTC**: 58469 - Koma Forest, 5 km N, 20 km W (ca. 07 12 N 36 30 E, 1900 m): **BRTC**: 58470, 58471 - Satema, 1.5 km N, 0.5 km W (2165 m): **BRTC**: 58476, 58477, 58478, 58479, 58480.

Ghana:

Abodomasi (06 53 37 N 01 15 19 W, 369 m): **ROM**: 49109, 49110 - Bibiani (06 28 N 02 20 W, 720 ft): **ROM**: 51625, 51626 - Boti Falls (06 22 N 00 19 W): **ROM**: 60218 - Leklebi Agbesia (0656N 0029E): **USNM**: 424681, 424682, 424683, 424684, 424685, 424686, 424687, 424688, 424689, 424690, 424691 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 411838, 411839 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424661, 424662, 424663, 424664, 424665, 424666, 424667, 424668, 424669, 424670, 424671, 424672, 424673, 424674, 424675, 424676, 424677, 424678, 424679, 424680 - Subinja (07 44 N 02 04 W, 290 m): **USNM**: 414695 - Yabraso (0804N 0147W): **USNM**: 424660.

Guinea:

Unknown locality: **HNHM**: 98.48.4 - Fressoudou (09 08 00 N 08 54 00 W): **MNHN**: ZM-2012-374, ZM-2012-375 - Gbaolé (07 26 30 N 09 14 34 W, 482 m): **MNHN**: ZM-2012-377, ZM-2012-378 - Guinee-Maritime (ca. 0942N 1322W): **HNHM**: 98.48.3 - Mount Nimba (073700N 082500W): **MNHN**: ZM-MO-1985-1602 - Zogota (mine) (ca. 07 53 10 N 09 01 24 W): **MNHN**: ZM-2012-376.

Kenya:

Unknown locality: **BMNH**: 1978.928_1, 1978.928_2, 1978.928_3 - Barberton Cave (0045N 3445E): **USNM**: 350790, 350791, 350792, 350793, 350794 - Barberton Farm (0045N 3445E, 2134 m): **ROM**: 45914 - Cherangani Hills (0115S 3527E, 1981 m): **ROM**: 37243 - Cherangany (0059N 3513E, 1890 m): **FMNH**: 152388 - Kakamega (00 17 00 N 34 45 00 E, 1523 m): **WAM**: M16564, M16569 - Kakamega district: **CM**: 102135, 102136 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 36216, 45915, 65998, 77937, 81310 - Kakamega Forest Mine (0011N 3451E): **FMNH**: 152399; **ROM**: 77947, 77948, 77949 - Kakamega Forest, 12.8 km SE (001600N 345300E): **ROM**: 77938, 77939, 77940, 77941, 77942, 77943, 77944, 77945, 77946, 91149; **USNM**: 350783, 350784, 350785, 350786, 350787, 350788 - Kakamega, 6 km S, 16 km E (0013N 3454E): **MCZ**: 59761 - Kapenguria (0115N 3507E, 2134 m): **ROM**: 40281, 40282 - Kimmilli (0047N 3443E): **ROM**: 50859, 50860 - Kimmilli (0047N 3443E, 2073 m): **ROM**: 50861, 50862, 56281, 56282, 56283, 56284, 56285 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **ROM**: 50520 - Kitale, 20 mi S (ca. 0101N 3501E, 1951 m): **FMNH**: 152389 - Kitale, 20 mi SW (0045N 3445E, 1829 m): **FMNH**: 152390, 152391 - Kitale, 23 km W (0101N 3501E, 1890 m): **ROM**: 73321 - Kobolet river (0100N 3514E): **ROM**: 39504 - Mahiakalo Cave (00 14 52 N 34 54 23 E): **MMU**: PWW2939, PWW2941 - Markwijit (0112N 3505E, 1996 m): **ROM**: 65864, 65865 - Mount Elgon Caves (00 52 N 34 27E, 1951 m): **ROM**: 36967, 36968, 36969, 36970, 36971, 36972, 36973, 36974, 36975, 36976, 36977, 36978, 36979, 36980, 36981, 36982, 36983, 36984, 36985, 36986, 36987, 36988, 36989, 36990, 36991, 36992 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152392, 152393, 152394, 152395, 152396, 152397, 152398 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **YPM**: MAM 005725, MAM 005726, MAM 005728 - Ngaugao Forest (0322S 3821E, 1798 m): **USNM**: 375887 - Saboti, 3 mi [= 4.8 km] SE (0053N 3450E, 1951 m): **USNM**: 436379, 436380, 436381, 436382 - South Elgon (0107N 3435E, 2012 m): **ROM**: 35894, 35895, 35896, 35897, 35898, 35899, 35900, 35901, 35902 - West Pokot Escarpement (0128N 3501E, 1219 m): **ROM**: 39512, 39514, 39515, 39518.

Liberia:

Camp III (07 06 35 N 08 50 20 W): **MNHN**: ZM-MO-1981-1218, ZM-MO-1981-1219 - East Grassfield (07 29 20 N 08 34 15 W): **MNHN**: ZM-MO-1987-8, ZM-MO-1987-9 - Fapé (07 13 50 N 09 17 04 W, 360 m): **MNHN**: ZM-2012-379, ZM-2012-380, ZM-2012-381, ZM-2012-382, ZM-2012-383, ZM-2012-384, ZM-2012-385, ZM-2012-386, ZM-2012-387, ZM-2012-388 - Zigida Village (080212N 092923W): **USNM**: 541510.

Malawi:

Mwalingo (0940S 3332E, 1460 m): **FMNH**: 196614, 196615.

Mozambique:

Gorongosa National Park, cave at alpine-forest interface (18 26 05 S 34 03 06 E): **FMNH**: 214700, 214701, 214704, 214705, 214876 - Gorongosa National Park, montain forest 1 (18 28 00 S 34 03 02 E): **FMNH**: 214695, 214697 - Morombozi River, below forest (18 29 02 S 34 02 35 E): **FMNH**: 214696.

Nigeria:

Unknown locality: **ZMA**: MAM.18610, MAM.18611, MAM.18612, MAM.18613, MAM.18614 - Igbo-ora (0726N 0317E): **USNM**: 402314, 402315 - Ipole (074723N 053038E, 460 m): **ROM**: 77696, 77741 - Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 84060, 84061, 84072 - Leinde Fadali (0658N 1136E, 1700m): **ZFMK**: 1988.0094 - Odukpani: **BMNH**: 1971.933 - Zaria (1101N 0744E): **ROM**: 84071.

Rwanda:

Gisovu (021517S 292013E, 2335 m): **RMCA**: 80.055-M-0096, 80.055-M-0097 - Kibuye (020320S 292059E, 1457 m): **RMCA**: 73.058-M-0002 - Ntango (023600S 291300E): **RMCA**: 87.046-M-0063, 87.046-M-0064, 87.046-M-0065, 87.046-M-0066, 87.046-M-0067, 87.046-M-0068, 87.046-M-0069, 87.046-M-0070, 87.046-M-0071, 87.046-M-0072, 87.046-M-0073, 87.046-M-0074, 87.046-M-0075, 87.046-M-0076, 87.046-M-0077, 87.046-M-0078, 87.046-M-0079, 87.046-M-0080, 87.046-M-0081, 87.046-M-0082, 87.046-M-0083, 87.046-M-0084, 87.046-M-0085, 87.046-M-0086, 87.046-M-0087, 87.046-M-0088, 87.046-M-0089, 87.046-M-0090, 87.046-M-0091, 87.046-M-0092, 87.046-M-0093, 87.046-M-0094, 87.046-M-0095, 87.046-M-0096, 87.046-M-0097, 87.046-M-0098, 87.046-M-0099, 87.046-M-0100, 87.046-M-0101, 87.046-M-0102, 87.046-M-0103, 87.046-M-0104, 87.046-M-0105, 87.046-M-0106, 87.046-M-0107, 87.046-M-0108, 87.046-M-0109, 87.046-M-0110, 87.046-M-0111, 87.046-M-0112, 87.046-M-0113, 87.046-M-0114, 87.046-M-0115, 87.046-M-0116, 87.046-M-0117, 87.046-M-0118, 87.046-M-0119, 87.046-M-0120, 87.046-M-0121, 87.046-M-0122, 87.046-M-0123, 87.046-M-0124 - Nyungwe forest reserve (02 31 13 S 29 18 15 E, 2500 m): **MHNG**: 1872.081, 1872.082 - Routabansougera (022500S 290100E, 1750 m): **RMCA**: 82.006-M-0040, 82.006-M-0041, 82.006-M-0042, 87.046-M-0125, 87.046-M-0126, 87.046-M-0127, 87.046-M-0128, 87.046-M-0129, 87.046-M-0130, 87.046-M-0131, 87.046-M-0132, 87.046-M-0133, 87.046-M-0134 - Rukira (021300S 303500E, 1709 m): **RMCA**: 82.006-M-0043, 82.006-M-0044, 82.006-M-0045 - Shangi (022413S 290021E): **RMCA**: 85.006-M-0464 - Uwinka (02 28 00 S 29 12 00 E, 2512 m): **RMCA**: 82.006-M-0036, 82.006-M-0037, 82.006-M-0038, 82.006-M-0039.

Senegal:

Ebarak (12 37 59 N 12 52 22 W, 108 m): **MNHN**: ZM-MO-1995-639, ZM-MO-1995-640.

Sierra Leone:

Cole Farm (08 30 N 13 17 W): **ROM**: 60682, 60683, 60684, 60685, 60686 - Lumley Village (082714N 131657W, 0 m): **ROM**: 60675 - Mount Aureol (0829N 1313W): **ROM**: 60676, 60677, 60678, 60679, 62745 - Panguma, 10 mi N (0817N 1106W): **USNM**: 538464.

Tanzania:

Amani (05 06 00 S 38 38 00 E, 751-1000 m): **ROM**: 36217; **TM**: 16012 - Ambangulu Estate (05 05 S 38 26 E, 1250 m): **FMNH**: 147219 - Ambangulu Estate (05 05 S 38 26 E, 1300 m): **FMNH**: 147216, 147217, 147218, 147377, 147378, 147379, 147380, 147383, 147384, 147385, 150058, 150063, 150064, 150401, 150406, 150407, 151159 - Bombo, 7 km S (0420S 3800E, 1100 m): **FMNH**: 151160, 151161, 151162, 151163, 151164, 151165, 151166, 151167, 151168, 151169, 151170, 151389, 151390, 151391, 151392, 151393, 151394, 151395, 151396, 151397, 151398, 151399, 151400, 151401, 151402, 151403 - Bukoba (01 19 54 S 31 46 44 E, 1250 m): **ZMB**: 10246 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 1100 m): **FMNH**: 150055, 150056, 150057, 150059, 150402, 150403 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 870 m): **FMNH**: 150060, 150061, 150062, 150404, 150405 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 151388 - Kihansi Gorge (4.8197S 38.7097E, 650 m): **FMNH**: 163377 - Kiwengwa-Pongwe Forest Reserve cave (0601S 3922E, 29 m): **FMNH**: 198114 - Kwamkoro [Forest Reserve] (0510S 3836E): **ZMB**: 67158 - Magrotto Estate (05 07 S 38 45 E): **MCZ**: 38963, 38964, 38965, 38966, 38967,

38968, 38969, 38970, 38971 - Manyangu Forest Reserve (0603S 3733E, 1000 m): **FMNH**: 161368 - Milaliwila Forest Reserve (0659S 3745E): **FMNH**: 183245 - Mkungwe Forest Reserve (0652S 3755E): **FMNH**: 183255, 183256, 183257 - Ngambaula Forest Reserve (0659S 3744E): **FMNH**: 183249 - Nguru South Forest Reserve (0604S 3731E, 1500 m): **FMNH**: 161263 - South Pare Mts, Chome Forest Reserve (041800S 375800E, 2000 m): **FMNH**: 153845, 153925 - Tanga region: **SMF**: 79654, 82484, 82503, 82504, 82505, 85510, 86377 - Udzungwa National Park (0831S 3556E, 1100 m): **FMNH**: 158586.

Togo:

Unknown locality: **RMCA**: 73.054-M-2172, 73.054-M-2173 - Adjido (07 30 00 N 01 11 00 E, 186 m): **RMCA**: 73.054-M-0125 - Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.009-M-0430, 73.009-M-0431, 73.009-M-0432, 73.009-M-0433, 73.009-M-0434, 73.009-M-0435, 73.009-M-0436, 73.009-M-0437, 73.009-M-0438, 73.009-M-0439, 73.009-M-0440, 73.009-M-0441, 73.009-M-0442, 73.009-M-0443, 73.009-M-0444, 73.009-M-0446, 73.009-M-0447, 73.009-M-0448, 73.009-M-0495, 73.009-M-0496, 73.009-M-0507, 73.009-M-0508, 73.009-M-0509, 73.011-M-0386, 73.011-M-0387, 73.011-M-0914, 73.011-M-0915, 73.011-M-0916 - Badou - Anonoe (07 35 00 N 00 36 00 E): **RMCA**: 73.009-M-0426, 73.009-M-0427, 73.009-M-0428, 73.009-M-0429, 73.009-M-0504, 73.009-M-0505, 73.009-M-0506 - Bismarckburg [=Adéle] (08 11 00 N 00 41 00 E): **ZMB**: 6757, 6758, 6759, 6760 - Evou (07 32 00 N 01 02 00 E, 224 m): **RMCA**: 73.054-M-1541 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.011-M-0420 - Odjolo (07 32 00 N 01 02 00 E): **RMCA**: 73.054-M-0184, 73.054-M-0190, 73.054-M-0191 - Péwa (09 17 00 N 01 14 00 E, 618 m): **USNM**: 437590.

Uganda:

Unknown locality: **BMNH**: 1962.1988, 1962.1989, 1962.466, 1962.467, 1964.72, 1964.73, 1964.74, 1964.75, 1964.76, 1964.77, 1964.78, 1964.79, 1982.494 - Budongo Forest (0146N 3133E): **ROM**: 46476 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 152400, 152401, 152402, 152403, 152404, 152405, 152406, 152407, 164962 - Budongo Forest Nature Reserve (014416N 313322E): **FMNH**: 164963, 164964, 165129, 165130 - Budongo Forest Royal mile (0142N 3132E): **FMNH**: 164960 - Budongo Forest Royal mile area (ca. 0142N 3132E): **FMNH**: 165120, 165121; **MCZ**: 62402, 62403, 62444 - Budongo Forest Royal mile Forest (0142N 3132E): **FMNH**: 164961, 165126, 165127 - Busingiro Camp Site (0143N 3128E): **FMNH**: 165122, 165123 - Bwindi-Impenetrable National Park (0102S 2943E, 1500 m): **FMNH**: 160272, 160273, 160274, 160275, 160276, 160277, 160278, 160279, 160280, 160281, 160282, 160329, 160330, 160331, 160332 - Byumba (0056S 2942E, 1540 m): **FMNH**: 160283, 160284, 160285, 160286, 160287, 160288, 160289, 160290, 160291, 160292, 160333, 160334, 160335, 160336 - Enkombe Sawmill (0017S 3007E, 1480 m): **FMNH**: 182119 - Ishasha River (002800S 293900E, 3500 ft): **AMNH**: 189475 - Kinyala (0138N 3135E, 1262 m): **ROM**: 68693 - Kitumetira (5200 ft): **AMNH**: 189473 - lake Kamuzuku 1 (00 15 49 S 30 09 09 E): **FMNH**: 224543, 224544, 224546 - Lake Kamuzuku 2 (00 15 54 S 30 09 25 E): **FMNH**: 224545, 224547 - Maramagambo Forest Reserve South (0030S 2955E, 1092 m): **FMNH**: 154074 - Mount Ruwenzori (0025N 3001E, 1524 m): **USNM**: 172916 - Mubuku - Mahoma River confluence, above (00 21 50 N 29 59 53 E, 2103 m): **FMNH**: 144247, 144248, 144249, 144250, 144251, 144252, 144253, 144254, 144255, 144256, 144257, 144258, 144259, 144260, 144261, 144262, 144263, 144264, 144265, 144266, 144267, 144268, 144269, 144270, 144271, 144272, 144273, 144274, 144275 - Ngoto Swamp (0053S 2944E, 1500 m): **FMNH**: 160293 - Nteko Parish (01 02 16 S 29 36 E, 1600 m): **FMNH**: 160294, 160295, 160296, 160297, 160298, 160299, 160300, 160301, 160302, 160303, 160304, 160305, 160306, 160307, 160308, 160309, 160310, 160311, 160312, 160313, 160314, 160315, 160316, 160317, 160318, 160319, 160337, 160338, 160339, 160340, 160341, 160342, 160343, 160344, 160345, 160346, 160347 - Nyabitaba Hut (00 21 26 N 29 58 31 E, 8750 ft): **FMNH**: 144276, 144277, 144278, 144279, 144280 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 164959, 165118, 165119, 165124, 165125, 165128; **MCZ**: 62442, 62443 - Nyafungo Nature Reserve (0143N 3132E): **MCZ**: 62445 - Omubiyanja Swamp (0059S 2937E, 1850 m): **FMNH**: 160263, 160264, 160265, 160266, 160267, 160268, 160269, 160270, 160271, 160323, 160324, 160325, 160326, 160327, 160328 - Ruhiza (0103S 2947E, 2350 m): **FMNH**: 160320, 160321, 160322, 160348 - Ruwenzori East (00 22 00 N 30 00 00 E, 1524 m): **RMCA**: 933a, 933b, 933c, 934a, 934b, 934c - Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River (0021N 3000E, 1890 m): **FMNH**: 144242, 144243, 144244, 144245, 144246 - Sipi (011835N 342227E, 1791 m): **MCZ**: 31149 - Tende (0028S 3229E): **FMNH**: 149691, 149692, 149693.

Zambia:

Sakeji Stream, headwaters (11 21 S 24 15 E, 1430 ft): **NMZL**: 3643 - Salujinga (1058S 2407E): **NHMZ**: 11555.

Myonycteris angolensis angolensis (Bocage, 1898)

Angola:

Congulu (10.88S 14.38E): **BMNH**: 1935.1.6.8, 1935.1.6.9.

Cameroon:

Bimbia (03 57 16 N 09 14 42 E, 98 m): **ZMB**: 93792, 93793, 93794, 93795 - Bokwango, near (ca. 04 08 19 N 09 13 28 E): **BMNH**: 1968.879 - Buéa (04 09 34 N 09 14 12 E, 895 m): **MNHN**: ZM-MO-1979-324, ZM-MO-1979-325, ZM-MO-1979-326, ZM-MO-1979-327, ZM-MO-1979-328, ZM-MO-1979-329, ZM-MO-1979-330, ZM-MO-1979-331, ZM-MO-1979-332, ZM-MO-1979-333 - Buea, near (ca. 040900N 091400E): **BMNH**: 1968.873, 1968.874, 1968.875, 1968.876, 1968.877, 1968.878 - Mount Manengouba (0500N 0950E, 1000 m): **MNHN**: ZM-MO-1979-323 - Son Jem: **FMNH**: 43571, 43572, 43573, 43574 - Tombel (0446N 0938E): **ZMB**: 93796.

Congo:

Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15536.

Congo (Democratic Republic of the):

Drodro (01 46 N 30 32 E, 1854 m): **MHNG**: 921.028.

Equatorial Guinea:

Malabo, Basilé, San Fernando cave (03 44 N 08 49 E, 1100 m): **MNCN**: 53 / 20-II-25-5 (Holotype *Rousettus (Lissonycteris) crypticola*).

Nigeria:

Obudu (0628N 0921E): **BMNH**: 1976.1837.

Myonycteris angolensis goliath (Bergmans, 1997)

Mozambique:

Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8654, 8655 - Marromeu, Coutada 1 (18.25S 35.75E): **NHMZ**: 84006 - Ribaue, 27 km W (14 58 15 S 38 04 46 E, 587 m): **DNSM**: 8653.

Zimbabwe:

Unknown locality: **HZM**: 16.7321; **NHMZ**: 59827, 59828, 59829, 59832, 59833 - Chirinda Forest, Gungunyama (20.0S 32.5E): **NHMZ**: 31153 - Gleneagles (18 17 S 32 54 E): **NHMZ**: 59826, 59831 (Holotype *Lissonycteris angolensis goliath*); **ZMA**: MAM.24710 (Paratype *Lissonycteris angolensis goliath*), MAM.24719 - Penhalonga (18.87S 32.62E): **NHMZ**: 59796 - Rusitu Forest (20.03S 32.98E): **NHMZ**: 30055 - Umtali (18 58 29 S 32 39 20 E, 1094 m): **HZM**: 15.3219.

Myonycteris angolensis petraea (Bergmans, 1997)

Ethiopia:

Unknown locality: **SMF**: 49582, 49583 - Agaro, 10 km from (ca. 0745N 3643E, 1650 m): **ZMA**: MAM.25180 (Paratype *Lissonycteris angolensis petraea*) - Agaro, 30 km from (ca. 14 27 37 N 39 11 12 E): **MNHN**: ZM-MO-1972-482a (Holotype *Lissonycteris angolensis petraea*), ZM-MO-1972-482b (Paratype *Lissonycteris angolensis petraea*), ZM-MO-1972-482c (Paratype *Lissonycteris angolensis petraea*), ZM-MO-1972-482d (Paratype *Lissonycteris angolensis petraea*), ZM-MO-1972-482e (Paratype *Lissonycteris angolensis petraea*), ZM-MO-1972-482f (Paratype *Lissonycteris angolensis petraea*), ZM-MO-1972-482g (Paratype *Lissonycteris angolensis petraea*), ZM-MO-1972-482h (Paratype *Lissonycteris angolensis petraea*), ZM-MO-1972-482i (Paratype *Lissonycteris angolensis petraea*), ZM-MO-1972-482j (Paratype *Lissonycteris angolensis petraea*) - Didessa River (ca. 09 57 N 35 41 E, 1190 m): **BMNH**: 1971.2446, 1971.2447, 1972.638 - Gimbi, 12 km E (ca. 09 10 N 35 50 E): **MNHN**: ZM-MO-1984-2075 - Gimbi, 25 km E (ca. 09 10 N 35 50 E): **MNHN**: ZM-MO-1984-2074 - Gimbi, 7 km E (ca. 09 10 N 35 50 E): **MNHN**: ZM-MO-1984-2076.

Myonycteris angolensis ruwenzorii (Eisentraut, 1965)

Burundi:

Teza, 2.3 km N, 0.7 km W (031257S 293349E, 2200 m): **FMNH**: 137476, 137619 - Teza, 2.3 km N, 0.7 km W (031257S 293349E, 2310 m): **FMNH**: 137620 - Teza, 2.3 km N, 0.7 km W (031257S 293349E, 2390 m): **FMNH**: 137621, 137622, 137623, 137624.

Cameroon:

Ebolowa (02 54 00 N 11 09 00 E, 636 m): **FMNH**: 74237, 74238 - Mamfe, 15 km SE (ca. 05 40 N 09 23 E): **AMNH**: 240986, 240987.

Congo (Democratic Republic of the):

Irangi (0154S 2827E): **SMF**: 65027 - Jaima: **BMNH**: 1907.7.8.24 - Kabambi (00 51 00 N 29 39 00 E, 1260 m): **RBINS**: 7055 - Kahuzi (02 00 00 S 28 45 00 E): **SMF**: 31818, 31819, 31820 - Lusilubi valley (00 25 10 N 29 45 51 E): **RBINS**: 13328 - Lwana River (01 56 17 S 28 28 19 E): **ZMA**: MAM.24560 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **SMF**: 31816, 31817 - Mount Hoyo caves (01 13 00 N 29 49 00 E, 1200 m): **AMNH**: 180902, 180903, 180904, 180905; **RBINS**: 7065 - Munoi (08 45 S 26 46 E): **RBINS**: 10663 - Pelenge, gorges (08 40 12 S 26 49 48 E): **RBINS**: 10661.

Ethiopia:

Challa, mount (0523N 3634E, 2100 m): **FMNH**: 105410, 105411, 105412.

Kenya:

Barberton Cave (0045N 3445E): **LACM**: 19516; **USNM**: 35070, 35094 - Kairuni: **LACM**: 45624, 45625, 45626 - Kakamega (00 17 00 N 34 45 00 E): **HZM**: 12.2707 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **LACM**: 19518, 19520, 19521, 19522, 19523, 19524, 19525, 19526, 51516 - Karura Forest (01 14 S 36 50 E, 1828 m): **HZM**: 13.2708 - Lirandha Hill: **HZM**: 10.2366, 11.2367, 5.2280, 6.2356, 7.2357, 8.2359, 9.2364 - Nyanza [former] province: **SMF**: 57583 - southeast slopes (010800N 343300E): **HZM**: 1.1907, 14.2960, 2.1908, 3.2274, 4.2275.

South Sudan:

Gilo area (ca. 040218N 325043E): **FMNH**: 108136, 108137, 108138 - Katire (040232N 324752E): **SMNS**: 29802 - Lokwi (040628N 324314E, 1487 m): **FMNH**: 78212, 78213, 78214, 78215, 78216, 79577, 79578, 79579, 79580, 79581, 79582, 79583, 79584, 79585, 79586, 79587 - Nagishot (041638N 333335E): **SMNS**: 29800 - Sunnat (041925N 324756E, 914 m): **FMNH**: 67162 - Talanga Forest (0400N 3244E): **SMNS**: 29806 - Talanga forest (0400N 3244E, 914 m): **FMNH**: 108139, 108140, 108141, 108142, 68042, 68043, 68044, 77606.

Sudan:

Loki: **FMNH**: 182112, 182113, 182114, 182115, 182116.

Tanzania:

Amani Forest (0507.533S 3834.831E, 3000 ft): **AMNH**: 206670 - Bunduki (07 02 S 37 38 E, 1416 m): **LACM**: 19686, 51636, 55003 - Iringa region: **SMF**: 62867, 66935 - Kagera region: **SMF**: 70462, 70463, 70464 - Tanga region: **SMF**: 58995, 59547, 91235, 91236, 92486, 92487, 92488, 93019, 93209, 93210, 93211, 93366.

Uganda:

Unknown locality: **BMNH**: 1906.12.4.1 (Holotype *Rousettus angolensis ruwenzorii*), 1971.1541_1, 1971.1541_2, 1971.958, 1982.495 - Budongo (01 38 39 N 31 35 54 E): **LACM**: 19628 - Budongo Forest (014416N 313322E, 4000 ft): **LACM**: 31776, 36103, 36108, 36114, 36117, 36118, 51521, 51522, 51523, 51524, 51525, 51526, 51527, 51528, 51529 - Bukasa Island (002426S 322841E): **BMNH**: 1907.1958, 1971.957, 1971.957_1, 1971.957_2 - Bwindi area: **LACM**: 35491 - Bwindi Swamp: **LACM**: 51605, 51606, 51607, 51608 - Impenetrable Forest (010000S 294000E): **LACM**: 51550, 51601 - Itama area: **LACM**: 35493, 35494, 35495, 35496, 35497, 35499, 35500, 35502, 35503 - Itama Mine (00 59 S 29 41 E, 1615 m): **LACM**: 51609, 51610, 51611, 51612, 51613, 51614, 51615, 51616, 51618, 51619, 51620 - Kalinzu Forest (0025S 3005E): **LACM**: 35667, 35668, 35669 - Kampala (00 18 56 N 32 33 56 E, 1202 m): **SMF**: 23677 - Kayonza Forest (0056S 2943E): **LACM**: 31777, 31778, 31779 - Kibale Forest (0029N 3023E): **LACM**: 51621, 51622, 51623, 51624, 51631, 51632, 51633, 51634, 51635 - Malabigambo Forest: **LACM**: 51626, 51627, 51628, 51629, 51630 - Maramagambo Forest (003300S 295300E): **AMNH**: 269781 - Mwela: **LACM**: 51530, 51531, 51532, 51533 - Ntandi (004800N 300900E): **LACM**: 51515, 51517, 51518, 51519 - Ntandi, W: **LACM**: 51520 - Ruhizha: **LACM**: 35483, 35484, 35485, 35486, 35487, 35488, 35489, 35490, 35501 - Ruhizha area: **LACM**: 35492, 35498, 51602, 51603, 51604 - Ruwenzori East (00 22 00 N 30 00 00 E, 1524 m): **BMNH**: 1906.12.4.2, 1906.12.4.3, 1906.12.4.4, 1906.12.4.5, 1906.12.4.6.

Myonycteris angolensis smithii (Thomas, 1908)

Côte d'Ivoire:

Unknown locality: **SMF**: 92065; **ZMA**: MAM.18050, MAM.18051, MAM.18052 - Banama Blanc (0945N 0550W): **FMNH**: 105313 - Bouna (09 16 00 N 03 00 00 W, 321 m): **USNM**: 467711 - Boundiali (093118N 062913W, 444 m): **FMNH**: 105287, 105340, 105341, 58907, 58908, 58910 - Dabakala (0822N 0426W, 249 m): **FMNH**: 105308, 105309 - Déoulé (073023N 073019W, 640 m): **FMNH**: 105261, 105298, 105300 - Duékoué (0644N 0721W): **FMNH**: 105258 - Fetekro (0749N 0441W): **USNM**: 467718, 467719, 467720, 467723, 467724, 467725, 467726, 467727, 467734, 467735, 467736, 467739, 467740, 467741, 467742, 467744, 467745, 467746, 467747, 467748, 467750, 467752, 467753, 467754, 467755, 467757, 467759, 467760 - Kadioa, near (0858N 0553W): **FMNH**: 105277, 105281, 105282 - Lamto (06 12 00 N 05 02 00 W): **USNM**: 465727; **ZMA**: MAM.16533, MAM.16535 - Lamto Ecology Station (06 13 N 05 02 W): **ORSTOM**: 21.582, 21.603, 21.644, 21.780, A9241 - Madinani mountains, E of (ca. 0937N 0657W): **FMNH**: 105251, 105252, 105253 - Yama (09 36 02 N 06 18 38 W, 430 m): **USNM**: 465728, 465729, 465730, 465731, 465732, 465733, 465734; **ZMA**: MAM.16534.

Ghana:

Unknown locality: **BMNH**: 1975.533_1, 1975.533_2; **SMF**: 89667 - Agogo: **BMNH**: 1965.744, 1965.745 - Akeniem (08 08 N 00 16 W): **BMNH**: 1955.370, 1955.371, 1955.372; **RMCA**: 23719 - Dadoya, 7 mi W: **BMNH**: 1965.560, 1965.561, 1965.562 - Javiefe: **BMNH**: 1965.746 - Todzi: **BMNH**: 1965.747, 1966.14 - Volta region: **SMF**: 92121, 92122, 92123, 92124, 92125 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **ROM**: 62354.

Guinea:

Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2009.0018 - Kankasili (10 11 N 12 29 W): **ZMA**: MAM.10735, MAM.10738.

Liberia:

Unknown locality: **BMNH**: 1979.406, 1979.407_1, 1979.407_2, 1979.409, 1979.410_1, 1979.410_2, 1979.410_3; **RBINS**: 16749, 16750, 16751, 16752, 16753, 16754; **SMF**: 87686, 87687, 87688, 87698 - Gabagea River: **AMNH**: 265649, 265650, 265651, 265652 - Mount Nimba West (ca. 07 29 00 N 08 33 00 W): **RBINS**: 16755 - Nimba East (ca. 0741N 0822W): **RBINS**: 16116, 16117, 16118, 16119, 16120, 16756 - Nimba West (ca. 0741N 0822W): **RBINS**: 16121 - Ziggida, 10.5 km N, 1 km E: **AMNH**: 265639, 265640, 265641, 265642, 265643, 265644, 265645, 265646, 265647, 265648 - Ziggida, 13 km N, 1 km E (750 m): **AMNH**: 265653, 265654, 265655, 265656, 265657, 265658, 265659, 265660.

Nigeria:

Unknown locality: **BMNH**: 1976.1834 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **ZMUI**: 144 - Idere (0729N 0315E): **HZM**: 1.4139, 2.4140, 3.4141 - Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 83988, 83994, 83995, 83998, 84001 - Western province: **BMNH**: 1908.10.25.1.

Sierra Leone:

Unknown locality: **BMNH**: 1930.12.23.2, 1930.12.23.3 - no specific locality: **BMNH**: 1908.9.11.1 (Holotype *Rousettus smithii*).

The Gambia:

Unknown locality: **SMF**: 91066 - Solifor Point, 500 m S (ca. 13 20 30 N 14 48 59 W): **SMF**: 91006.

Togo:

Papase: **BMNH**: 1953.728.

Myonycteris brachycephala (Bocage, 1889)

São Tomé and Principé:

Cascata: **SMNS**: 41801, 41802 - São Tomé Island (ca. 0012N 0639E): **MLZA**: 449a (Holotype *Cynonycteris brachycephala*).

Myonycteris leptodon K. Andersen, 1908

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1975-1022, ZM-MO-1975-1033, ZM-MO-1975-1034, ZM-MO-1975-1036, ZM-MO-1975-1039, ZM-MO-1975-1040, ZM-MO-1975-1043, ZM-MO-1975-1046, ZM-MO-1975-1049, ZM-MO-1975-1051, ZM-MO-1975-1052, ZM-MO-1975-1054, ZM-MO-1982-122, ZM-MO-1982-123, ZM-MO-1982-124, ZM-MO-1982-125, ZM-MO-1982-127, ZM-MO-1982-128, ZM-MO-1982-129, ZM-MO-1982-130, ZM-MO-1985-1726, ZM-MO-1985-548, ZM-MO-1985-553, ZM-MO-1985-554, ZM-MO-1985-555, ZM-MO-1992-423, ZM-MO-1992-432; **ORSTOM**: AX0733, AX0741, AX0745, AX0762, AX0766, AX0792; **SMF**: 46622, 84387, 84388, 91852, 91853, 91854, 92066, 92067, 92068 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 34879, 34999, 35000, 35001, 35002, 35003, 35008, 35009, 35010, 35672 - Banama Blanc (09 45 N 05 50 W): **FMNH**: 105211, 105314 - Banco Forest (05 25 N 04 03 W): **USNM**: 467878 - Bolo (08 29 N 07 34 W, 456 m): **MNHN**: ZM-MO-1982-117, ZM-MO-1982-118, ZM-MO-1982-119, ZM-MO-1982-120, ZM-MO-1982-121; **ORSTOM**: A9526, A9528, A9529, A9530, A9531, A9533, A9542, A9545, A9546, A9547, A9548; **ZMA**: MAM.16960, MAM.16961, MAM.16962, MAM.16963, MAM.16964, MAM.16965, MAM.16966 - Boundiali (09 31 18 N 06 29 13 W, 444 m): **FMNH**: 105284, 105342 - Duékoué (06 44 17 N 07 20 35 W, 271 m): **FMNH**: 105259, 105260 - Lamto (06 12 00 N 05 02 00 W): **ZMA**: MAM.16941, MAM.16942, MAM.16943, MAM.16944, MAM.16945, MAM.16946, MAM.16947, MAM.16948, MAM.16949, MAM.16950, MAM.16951, MAM.16952, MAM.16953, MAM.16954, MAM.16955, MAM.16956, MAM.16957, MAM.16958, MAM.16959 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-535, ZM-MO-1985-536; **ORSTOM**: 1323, 1324, 21.568, 21.589, 21.590, 21.605, 21.612, 21.613, 21.615, 21.616, 21.617, 21.620, 21.621, 21.622, 21.623, 21.626, 21.628, 21.631, 21.632, 21.633, 21.654b, 21.660, 21.754, 21.756, 21.757, 21.760, 21.782, 21.783, 21.784, 21.786, 21.787, 21.788, 21.789, 21.790, 21.791; **ZMB**: 66992 - Madinani mountains, E of (ca. 0937N 0657W): **FMNH**: 105221 - Nimba, mount (ca. 07 35 N 08 25 W): **MNHN**: ZM-MO-1992-167, ZM-MO-1992-168, ZM-MO-1992-169, ZM-MO-1992-170 - Saubre (05 46 55 N 06 36 25 W, 140 m): **USNM**: 467764.

Ghana:

Unknown locality: **BMNH**: 1974.18, 1974.53, 1974.54, 1976.721, 1977.339, 1977.340_1, 1977.340_2, 1977.342, 1977.343, 1977.344, 1977.345_1, 1977.345_2, 1977.347_1, 1977.347_2, 1977.349_1, 1977.349_2, 1977.351, 1977.352_1, 1977.352_2, 1977.428 - Asenparage garden (06 30 N 02 54 W, 251 m): **RMCA**: 37892 - Draw River Forest

Reserve (05 12 N 02 20 W): **ZFMK**: 2003.1022 - Kade Agricultural Research Station (06 05 N 00 50 W, 127 m): **ROM**: 39436, 60193, 60194 - Kade, 11 km NE (06 07 N 00 34 W): **ROM**: 36561, 36562, 36566, 36609, 36640, 36641, 36642, 36643, 36644, 36645, 36648, 36649 - Kade, 6 mi [=9.7 km] N (06 10 N 00 50 W): **USNM**: 414785, 414786, 414787, 414788, 414789, 414790, 414791 - Kumasi (06 41 00 N 01 37 00 W, 246 m): **BMNH**: 1965.6220, 1965.6221, 1965.6222, 1965.6223, 1965.6224, 1965.6225, 1965.6226, 1965.6227, 1965.743, 1966.620, 1966.621, 1966.622, 1966.623, 1966.624, 1966.625, 1966.626, 1966.627 - Kumasi (06 41 N 01 37 W, 246 m): **ROM**: 56521 - Kumawu (06 54 N 01 17 W, 439 m): **ROM**: 62022 - Legon (05 39 00 N 00 11 00 W, 30 m): **ROM**: 35810 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 411837 - Prestea, 32 mi [=51.5 km] W (05 23 N 02 28 W): **USNM**: 413754, 413755, 413756, 413757, 413758, 413759, 413760, 413761, 413762, 413763, 413764, 413765, 413766, 413767, 413768, 413769, 413770, 413771, 413772, 413773, 413774, 413775, 413776, 413777, 413778, 413779, 413780, 413781, 413782, 413783, 413784, 413785, 413786, 413787, 413788, 413789, 413790, 413791, 413792, 413793, 413794, 413795, 413796, 413797, 413798, 413799, 413800, 413801, 413802, 413803, 413804, 413805 - Prince's Town, 7 mi [=11.3 km] N (ca. 04 53 44 N 02 08 29 W): **USNM**: 411836 - Sefwi Asenparage (06 30 00 N 02 54 00 W, 251 m): **RMCA**: 37893 - University of Ghana (05 39 00 N 00 11 00 W, 75 m): **USNM**: 411840, 411841.

Guinea:

Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0278 - Fressoudou (09 08 00 N 08 54 00 W): **MNHN**: ZM-2012-442, ZM-2012-443, ZM-2012-454, ZM-2012-455, ZM-2012-456, ZM-2012-457, ZM-2012-458, ZM-2012-459, ZM-2012-460, ZM-2012-476, ZM-2012-477, ZM-2012-478, ZM-2012-479, ZM-2012-480, ZM-2012-481 - Gbaolé (07 26 30 N 09 14 34 W, 482 m): **MNHN**: ZM-2012-462, ZM-2012-463, ZM-2012-464 - Kouroussa (10 39 N 09 53 W, 362 m): **MNHN**: ZM-MO-1902-21 - Mont Richard Molard (07 37 00 N 08 25 00 W): **RBINS**: 16848 - Park National du Haut Niger (ca. 10 17 06 N 10 07 20 W): **ZFMK**: 1997.0419 - Samedou (09 00 N 08 54 W): **MNHN**: ZM-2012-444, ZM-2012-445, ZM-2012-446, ZM-2012-447, ZM-2012-448, ZM-2012-449, ZM-2012-450, ZM-2012-451, ZM-2012-452, ZM-2012-453 - Zogota (mine) (ca. 07 53 10 N 09 01 24 W): **MNHN**: ZM-2012-461.

Liberia:

Unknown locality: **BMNH**: 1977.331_1, 1977.331_2, 1977.331_3, 1977.331_4, 1977.331_5, 1977.331_6, 1977.337, 1977.338, 1979.413_1, 1979.413_2, 1979.415, 1979.416_1, 1979.416_2, 1979.416_3, 1979.416_4, 1979.416_5, 1979.416_6; **RMCA**: 35761; **SMF**: 87675, 87676, 87689, 87699 - Bomi Wood Concession (ca. 06 53 N 10 50 W): **AMNH**: 256992, 256993, 256994, 256995, 256996, 256997, 256998 - Boni Hills logging concession (ca. 06 53 N 10 50 W): **AMNH**: 256530 - Bopolu (07 04 00 N 10 29 15 W, 211 m): **RMCA**: 80.043-M-0005 - Cuttington University College (07 02 24 N 09 33 15 W): **AMNH**: 276091, 276092, 276093, 276094, 276095, 276096, 276097 - East Grassfield (07 29 20 N 08 34 15 W): **MNHN**: ZM-MO-1987-10, ZM-MO-1987-11, ZM-MO-1987-12, ZM-MO-1987-13, ZM-MO-1987-15, ZM-MO-1987-16, ZM-MO-1987-18, ZM-MO-1987-19, ZM-MO-1987-20, ZM-MO-1987-21, ZM-MO-1987-22, ZM-MO-1987-23 - Fapé (07 13 50 N 09 17 04 W, 360 m): **MNHN**: ZM-2012-465, ZM-2012-466, ZM-2012-467, ZM-2012-468, ZM-2012-469, ZM-2012-470, ZM-2012-471, ZM-2012-472, ZM-2012-473, ZM-2012-474, ZM-2012-475 - Grassfield (07 29 20 N 08 34 15 W, 530 m): **RMCA**: 80.036-M-0001 - Grassfield savanna (07 29 20 N 08 34 15 W, 530 m): **MNHN**: ZM-MO-1987-17 - Juarzon (05 22 56 N 08 50 44 W, 134 m): **AMNH**: 256999 - Kpatwee Falls (07 06 27 N 09 38 30 W): **AMNH**: 276098 - Mano river (07 30 00 N 10 57 00 W): **RMCA**: 36267 - Mount Nimba (07 30 00 N 08 30 00 W): **AMS**: M.31787; **BMNH**: 1967.1436, 1967.1437, 1967.1438, 1967.1439, 1967.1440, 1967.1441, 1967.1442, 1967.1443, 1967.1444, 1967.1445, 1967.1446, 1967.1447, 1967.1448, 1967.1449, 1967.1450; **RBINS**: 16798, 16799, 16800, 16801, 16802, 16803, 16804, 16805, 16806, 16807, 16808, 16809, 16810, 16811, 16812, 16813, 16814, 16815, 16816, 16817, 16818, 16819, 16820, 16821, 16822, 16823, 16824, 16825, 16826, 16827, 16828, 16829, 16831, 16832, 16833, 16834, 16835, 16836, 16837, 16838, 16839, 16840, 16841, 16842, 16843, 16844, 16845, 16846, 16847, 16849, 16850, 16851, 16852, 16853, 16854, 16855, 16856, 16857, 16858, 16859, 16860, 16861, 16862, 16863, 16864, 16865, 16866, 16867, 16868, 16869, 16870, 16871, 16872, 16873, 16874, 16875, 16876, 16877, 16878, 16879, 16880, 16881, 16882, 16883, 16884, 16885, 16886, 16887, 16888, 16889, 16890, 16891, 16892, 16893, 16894, 16895, 16896, 16897, 16898, 16899, 16910, 16911, 16912, 16913, 16914, 16915, 16916, 16917, 16918, 16919, 16920, 16921, 16922, 16923, 16924, 16925, 16926, 16927, 16928 - Ngilima (08 05 12 N 10 07 36 W, 433 m): **AMNH**: 256991 - Paul Town (07 00 N 09 40 00 W): **RMCA**: 80.043-M-0006 - Sanniquellie (07 21 44 N 08 42 22 W, 671 m): **AMNH**: 257000 - Schieffelinsville (06 13 17 N 10 32 16 W, 94 m): **RMNH**: MAM.17359 - Suehn (06 37 02 N 10 42 24 W, 101 m): **RMCA**: 80.043-M-0007 - Tars Town (06 13 N 08 08 W): **USNM**: 481665, 481666, 481667, 481668, 481669, 481670, 481671, 481689, 481690, 481691, 582977 - Tchien, 25 km N (ca. 06 05 N 08 07 W): **AMNH**: 239350, 239351, 239352 - Ziggida, 10.5 km N, 1 km E (ca. 08 07 51 N 09 28 54 W, 450 m): **AMNH**: 265679, 265680, 265681, 265682, 265683, 265684, 265685, 265686 - Ziggida, 11 km N, 2 km E (ca. 08 08 08 N 09 28 20 W): **AMNH**: 265687, 265688, 265689, 265690, 265691, 265692, 265693 - Ziggida, 13 km N, 1 km E (ca. 0 08 09 10 N 09 28 52 W, 759 m): **AMNH**: 265694 - Zigida Village (08 02 12 N 09 29 23 W): **USNM**: 541511, 541512, 541513, 541514, 541515, 541516, 541517 - Zomai (07 36 56 N 09 37 53 W, 303 m): **RMCA**: 36298.

Sierra Leone:

Unknown locality: **BMNH**: 1891.2.13.1 (Holotype *Myonycteris leptodon*).

Togo:

Badou - Anonoe (07 35 00 N 00 36 00 E): **RMCA**: 73.009-M-0417 - Edifou (07 29 00 N 00 58 00 E, 231 m): **RMCA**: 73.054-M-0215 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **RMCA**: 73.054-M-0213 - Koutoukpa (07 31 00 N 00 59 00 E, 458 m): **RMCA**: 73.054-M-0214.

Myonycteris relicta Bergmans, 1980

Kenya:

Coast [former] province: **RMNH**: MAM.27909 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 74542 - Mwele Forest (0417S 3921E): **MCZ**: 59868 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **ROM**: 79669.

Mozambique:

Chinizuia Forest (18 58 38 S 35 03 20 E): **DNSM**: 8561.

Tanzania:

Ambangulu Estate (05 05 S 38 26 E, 1120 - 1300 m): **ZMB**: 54936, 54937 - Ambangulu Estate (05 05 S 38 26 E, 1300 m): **FMNH**: 147381, 147382, 151404 - Kibebe farms (0747S 3545E, 1550 m): **FMNH**: 171299 - Lindi region: **SMF**: 79646, 81217, 81218, 82523 - Mgambo Forest Reserve (0445S 3848E, 400 m): **FMNH**: 163391 - Mgudeni (06 49 S 37 40 E): **RMCA**: a4.036-M-0518, a4.036-M-0519, a4.036-M-0520 - Morogoro region: **SMF**: 66938, 89681, 89682 - Nguru

Mountains: **LACM**: 19517 - Pwani region: **SMF**: 75869, 75881, 79644, 79647, 92428, 92429, 92430, 92431, 92432 - Tanga region: **SMF**: 79645, 79648, 82481, 83500, 83501, 88509, 93020, 93212, 93367 - Udzungwa National Park (0831S 3556E, 1100 m): **FMNH**: 158585.

Zimbabwe:

Haroni-Rusitu R Confluence (20.03S 33.12E): **NHMZ**: 62472.

Myonycteris torquata (Dobson, 1878)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1885-74, ZM-MO-1984-514; **ZMA**: MAM.16669, MAM.26277, MAM.26278, MAM.26449 - Bélinga or Lamto: **MNHN**: ZM-MO-1982-131.

Angola:

Angola: **BMNH**: 1843.9.27.2 (Holotype *Cynopterus collaris*) - Golungo (09.13S 14.63E): **BMNH**: 1966.1204 - Golungo Alto (09 08 S 14 46 E, 577 m): **BMNH**: 1866.1.20.4 (Lectotype *Cynonycteris torquata*).

Cameroon:

Unknown locality: **BMNH**: 1850.8.29.1; **RMCA**: 73.029-M-0008; **SMF**: 68280, 68281, 68282; **YPM**: MAM 014565 - Aboulou (02 18 00 N 12 04 00 E, 572 m): **RMCA**: 73.018-M-0088 - Alen (02 23 00 N 10 34 00 E, 197 m): **RMCA**: 73.018-M-0086 - Bélabo (04 56 00 N 13 18 00 E, 610 m): **RMCA**: 73.029-M-0010 - Bertoua, 30 km W (04 35 N 13 25 E): **AMNH**: 240998, 240999, 241000, 241001, 241002, 241003, 241004, 241005 - Bertoua, 30 km W (0435N 1325E): **AMNH**: 241093; **TTU**: 17952, 17953, 17954 - Bitye (03 01 00 N 12 22 00 E, 616 m): **BMNH**: 1911.5.5.3, 1913.9.12.2 - Bitye (03 13 N 12 22 E, 2000 ft): **USNM**: 241112 - Buéa (04 09 34 N 09 14 12 E, 895 - 1850 m): **RMCA**: 95.003-M-0008 - Campo (02 22 00 N 09 49 00 E, 0 m): **RMCA**: 75.056-M-0160 - Campo National Park (02 23 N 10 06 E): **MNHN**: ZM-MO-1993-4653, ZM-MO-1993-4654 - Dimako (04 23 00 N 13 35 00 E, 680 m): **RMCA**: 77.032-M-0175, 77.032-M-0176 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **AMNH**: 54426; **MCZ**: 14790, 14791 - Eséka (0340N 1045E): **AMNH**: 236236, 236237, 236238, 236239, 238279 - Eseka, 5 km SW (0337N 1045E): **CM**: 40949, 40950, 40951, 40953, 40954, 40955, 40956, 40957 - Eséka, 5 km SW (ca. 0340N 1045E): **AMNH**: 236240, 236241, 236242, 236243, 236244, 236245, 236246, 236247, 236248, 236249, 236250, 236251, 236252 - Eséka, 6 km SE (ca. 0340N 1045E): **AMNH**: 236253, 236254, 236255, 236256 - Kanyol Village (02 43 N 15 17 E, 448 m): **BMNH**: 1933.8.4.19 - Koutaba (05 42 N 10 49 E, 1113 m): **MNHN**: ZM-MO-1979-292 - Lolodorf (031400N 104400E): **CM**: 3651 - Mesea (03 00 00 N 14 06 00 E): **RMCA**: 77.032-M-0167, 77.032-M-0168 - Mey Joss Village: **BMNH**: 1933.8.4.20 - Meyo Nkoulou (02 16 00 N 11 02 00 E): **RMCA**: 73.018-M-0087 - Nachtigal (04 21 00 N 11 38 00 E, 454 m): **RMCA**: 73.029-M-0009 - Ngoumé (05 29 00 N 11 24 00 E, 681 m): **RMCA**: 77.032-M-0172, 77.032-M-0173, 77.032-M-0174 - Nguilili (02 07 00 N 15 20 00 E): **RMCA**: 77.032-M-0169, 77.032-M-0170, 77.032-M-0171 - Nkoélon village (02 23.831 N 10 02.691 E): **MNHN**: ZM-2011-668, ZM-2011-669 - Ntui (04 27 N 11 38 E, 558 m): **MNHN**: ZM-MO-1979-285 - Obala (04 10 N 11 32 E, 539 m): **PCMB**: 514 - Tisongo, Lake (0325N 0954E): **USNM**: 511901 - Yaoundé (035200N 113100E, 726 m): **MNHN**: ZM-2006-185, ZM-MO-1984-517, ZM-MO-1993-4619 - Yaounde (0352N 1131E, 726 m): **MNHN**: ZM-MO-1979-286, ZM-MO-1979-287, ZM-MO-1979-288, ZM-MO-1979-289, ZM-MO-1979-290, ZM-MO-1979-291, ZM-MO-1979-293, ZM-MO-1979-294, ZM-MO-1979-295, ZM-MO-1979-296, ZM-MO-1979-297, ZM-MO-1979-298, ZM-MO-1979-299, ZM-MO-1979-300, ZM-MO-1979-301, ZM-MO-1979-302, ZM-MO-1979-303, ZM-MO-1979-304, ZM-MO-1979-305, ZM-MO-1979-306, ZM-MO-1979-307, ZM-MO-1979-308, ZM-MO-1979-309, ZM-MO-1979-310.

Central African Republic:

Bamingui-Bangoran National Park (0755N 2015E, 469 m): **BMNH**: 1981.229 - Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268361, 268362, 268363, 268364 - Kpoka cave (case?) (03 50 N 17 18 E): **MNHN**: ZM-2011-711 - La Maboké (03 49 55 N 17 50 45 E): **LER**: 294/196; **MNHN**: ZM-MO-1972-654, ZM-MO-1972-655, ZM-MO-1972-656, ZM-MO-1972-657, ZM-MO-1972-658, ZM-MO-1972-659, ZM-MO-1972-660, ZM-MO-1972-661, ZM-MO-1972-662, ZM-MO-1972-663, ZM-MO-1972-664, ZM-MO-1972-665, ZM-MO-1972-666, ZM-MO-1972-667, ZM-MO-1972-668, ZM-MO-1972-669, ZM-MO-1972-670, ZM-MO-1972-671, ZM-MO-1972-672, ZM-MO-1972-673, ZM-MO-1972-674, ZM-MO-1972-675, ZM-MO-1972-676, ZM-MO-1972-677, ZM-MO-1972-678, ZM-MO-1972-679, ZM-MO-1972-680, ZM-MO-1972-681, ZM-MO-1972-682, ZM-MO-1972-683, ZM-MO-1972-684, ZM-MO-1972-685, ZM-MO-1972-686, ZM-MO-1972-687, ZM-MO-1972-688, ZM-MO-1972-689, ZM-MO-1972-690, ZM-MO-1972-691, ZM-MO-1972-692, ZM-MO-1972-693, ZM-MO-1972-694, ZM-MO-1972-695, ZM-MO-1972-696, ZM-MO-1972-697, ZM-MO-1985-1171, ZM-MO-1985-1173, ZM-MO-1985-1175, ZM-MO-1985-1176, ZM-MO-1985-1177, ZM-MO-1985-1178, ZM-MO-1985-1179, ZM-MO-1985-1181.

Chad:

Dagbao (07 39 03 N 15 53 07 E, 692 m): **MNHN**: ZM-MO-1981-989.

Congo:

Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1975-1105, ZM-MO-1985-557; **UMNG**: 1-F-70-06-14, 2-F-70-03-08, 2-F-70-03-09, 3-F-70-03-08, 3-F-70-03-09, 3-F-70-06-10, 3-F-70-06-14 - Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15423 - Sibiti (03 41 09 S 13 20 45 E, 440 m): **MNHN**: ZM-MO-1992-383, ZM-MO-1992-384, ZM-MO-1992-385.

Congo (Democratic Republic of the):

Unknown locality: **MNHN**: ZM-2014-1168; **RMCA**: a1.097-M-3194, a1.097-M-3195, a1.097-M-3196 - Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V1694.2 - Bakwakenge (04 51 00 S 22 04 00 E, 461 m): **RMCA**: 80.020-M-0005 - Baliko (00 16 S 20 49 E, 358 m): **FMNH**: 219592, 219593, 219594, 219595, 219596, 219680 - Bena Mbala (06 48 00 S 23 47 00 E): **RMCA**: 84.035-M-0004, 84.035-M-0006 - Beyi - Kalonji (05 49 00 S 22 30 00 E): **RMCA**: 80.020-M-0001 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 38650, 38651, 38671, 38672, 38673, 38674, 38675, 38676, 75.035-M-0002, 75.035-M-0003 - Bomane (01 18 N 23 47 E, 429 m): **UNIKIS**: CRT2078, CRT2127, CRT2130, CRT2144, CRT2156, CRT2157, CRT2195, CRT2196, CRT2200 - Cinputu (05 22 00 S 22 21 00 E): **RMCA**: 84.035-M-0005 - Djabir (00 32 N 24 05 E, 437 m): **RMCA**: a1.097-M-3223, a1.097-M-3224, a1.097-M-3225, a1.097-M-3226, a1.097-M-3227, a1.097-M-3228, a1.097-M-3229, a1.097-M-3230, a1.097-M-3231, a1.097-M-3232, a1.097-M-3233, a1.097-M-3234, a1.097-M-3235, a1.097-M-3236, a1.097-M-3237, a1.097-M-3238, a1.097-M-3239, a1.097-M-3240, a1.097-M-3241, a1.097-M-3242, a1.097-M-3243, a1.097-M-3244, a1.097-M-3245, a1.097-M-3246, a1.097-M-3247, a1.097-M-3248, a1.097-M-3249, a1.097-M-3250, a1.097-M-3251, a1.097-M-3252, a1.097-M-3253, a1.097-M-3254, a1.097-M-3255, a1.097-M-3256, a1.097-M-3257, a1.097-M-3258, a1.097-M-3259, a1.097-M-3260, a1.097-M-3261, a1.097-M-3262, a1.097-M-3263, a1.097-M-3264, a1.097-M-3265, a1.097-M-3266, a1.097-M-3267, a1.097-M-3268, a1.097-M-3269,

a1.097-M-3270, a1.097-M-3271, a1.097-M-3272, a1.097-M-3273, a1.097-M-3274, a1.097-M-3275, a1.097-M-3276, a1.097-M-3277, a1.097-M-3278, a1.097-M-3279, a1.097-M-3280, a1.097-M-3281, a1.097-M-3282; **UNIKIS**: DJB001, DJB003, DJB006, DJB008, DJB009, DJB010, DJB011, DJB014, DJB016, DJB018, DJB019, DJB020, DJB022, DJB023, DJB024, DJB026, DJB027, DJB029, DJB030, DJB032, DJB034, DJB036, DJB037, DJB040, DJB044, DJB046, DJB048, DJB049, DJB050, DJB052, DJB053, DJB055, DJB056, DJB058, DJB060, DJB062, DJB067, DJB070, DJB071, DJB083, DJB084, DJB087, DJB088, DJB091, DJB092, DJB094, DJB097, DJB098, DJB102, DJB104, DJB106, DJB109, DJB111, DJB122, DJB127, DJB128, DJB130, DJB133, DJB139, DJB142, DJB147, DJB154, DJB155, DJB156, DJB157, DJB158, DJB159, DJB160, DJB161, DJB162, DJB163, DJB164, DJB165, DJB166, DJB167, DJB169, DJB170, DJB172 - Epulu (01 23 45 N 28 34 40 E, 750 m): **UNIKIS**: EPLU660, EPLU669, EPLU670, EPLU683, EPLU684, EPLU695, EPLU696 - île Mbiye (00 27 50 N 25 17 14 E, 413 m): **UNIKIS**: ABCHIM07, ABCHIM08, ABCHIM09, ABCHIM11, CHIM011/14, CHIM012/14, CHIM07, CHIM07/14, CHIM29, CHIM34, CHIM35, CHIM40, CHIM41, CHIM42, CHIM43, CHIM44, CHIM45, CHIM47, CHIMA38, CHIMTB01 - Irangi (0154S 2827E): **SMF**: 65030 - Isai River (01 24 N 28 04 E): **HZM**: 1.7798, 2.7799 - Kamikoni (01 16 S 29 19 E): **RBINS**: 1694 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 38624 - Karambi (02 45 02 S 28 38 24 E): **ZMA**: MAM.24567 - Kimpoko (04 14 04 S 15 33 01 E, 294 m): **RMCA**: 79.003-M-0001 - Kingabwa (04 18 00 S 15 18 00 E): **RMCA**: 76.010-M-0004 - Kinshasa (04 19 47 S 15 18 54 E, 240 m): **ZMA**: MAM.11163 - Kinshasa City province: **SMF**: 92979, 92980, 92981, 92982, 92983, 93281, 93282, 93283, 93284, 93285, 93286, 93287, 93288, 93289, 93290, 93291, 93292, 93293, 93294, 93295, 93296 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 82.031-M-0012, 82.031-M-0013 - Kitangua (06 17 00 S 20 20 00 E, 649 m): **RMCA**: 83.025-M-0006, 83.025-M-0019 - Kona (02 02 N 22 47 E): **RMCA**: a1.097-M-3160; **UNIKIS**: CRT1910, CRT1911, CRT1918, CRT1920, CRT1926, CRT1937, CRT1942, CRT1943, CRT1944, CRT1945, CRT1947, CRT1948, CRT1949, CRT1950, CRT1953, CRT1960, CRT1963, CRT1966, CRT1967, CRT1968, CRT1969, CRT1970, CRT1971, CRT1972, CRT1979, CRT1980, CRT1981, CRT1982 - Konyola (00 03 00 N 25 12 00 E): **RMCA**: 88.025-M-0005, 88.025-M-0006, 88.025-M-0007 - Kumbi: **ZMA**: MAM.24896, MAM.24897 - Lieki (00 41 11 N 24 11 00 E, 508 m): **UNIKIS**: CRT2021, CRT2022, CRT2023, CRT2028, CRT2029, CRT2030, CRT2032, CRT2033, CRT2034, CRT2035, CRT2037, CRT2050, CRT2051, CRT2057, CRT2282, CRT2283, CRT2284, CRT2285, CRT2286, CRT2287, CRT2288, CRT2290, CRT2291, CRT2292, CRT2293, CRT2294, CRT2295, CRT2296 - Lovanium university (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 31197, 31198, 31199, 32601, 32602, 32603, 32604, 32605, 32606, 32607, 32608, 32609, 32610, 32611 - Lubumbashi (114000S 272800E): **MNHN**: ZM-2011-859 - Lukonga (05 48 00 S 22 37 00 E, 632 m): **RMCA**: 79.022-M-0006 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 32660, 33332, 33333, 33334, 33335, 33336, 33337, 33338, 33339, 33340, 33413, 33414 - Lwana River (01 56 17 S 28 28 19 E): **ZMA**: MAM.24568 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0026, 93.079-M-0027, 93.079-M-0028, 93.079-M-0029, 93.079-M-0030, 93.079-M-0031, 93.079-M-0032, 93.079-M-0033, 93.079-M-0034, 93.079-M-0035, 93.079-M-0036, 93.079-M-0037, 93.079-M-0038, 93.079-M-0039, 93.079-M-0040, 93.079-M-0041, 93.079-M-0042, 93.079-M-0043, 93.079-M-0044, 93.079-M-0045, 93.079-M-0046, 93.079-M-0047, 93.079-M-0048, 93.079-M-0049, 93.079-M-0050, 93.079-M-0051, 93.079-M-0052, 93.079-M-0053, 93.079-M-0054, 93.079-M-0055, 93.079-M-0056, 93.079-M-0057, 93.079-M-0058, 93.079-M-0059, 93.079-M-0214, 93.079-M-0215, 93.079-M-0216, 93.079-M-0217, 93.079-M-0218, 93.079-M-0219, 93.079-M-0220, 93.079-M-0221, 93.079-M-0222, 93.079-M-0223, 93.079-M-0224, 93.079-M-0225, 93.079-M-0226, 93.079-M-0227, 93.079-M-0228, 93.079-M-0267, 93.079-M-0270, 93.079-M-0272, 93.079-M-0273, 93.079-M-0274, 93.079-M-0275, 93.079-M-0276, 93.079-M-0277, 93.079-M-0278, 93.079-M-0284, 93.079-M-0285, 93.079-M-0286, 93.079-M-0287, 93.079-M-0288, 93.079-M-0289, 93.079-M-0290, 93.079-M-0291, 93.079-M-0292 - Masako (00 36 N 25 13 E): **UNIKIS**: CHMS062, CHMS063, CHMS065, CHMS066, CHMS070, CHMS071, CHMS072, CHMS075, CHMS077 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48752, 48753, 48754, 48755 - Mule (02 24 20 S 28 33 10 E, 1936 m): **RMCA**: 36229 - Pandé, forest N of (ca. 10 37 S 26 50 E, 1100 m): **MNHN**: ZM-2011-856, ZM-2011-857, ZM-2011-858 - Quatorze (00 10 04 N 20 55 34 E, 326 m): **FMNH**: 219597, 222421, 222422, 222423, 222424, 222622 - Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL502, RBTL503, RBTL516, RBTL520, RBTL529, RBTL530, RBTL541, RBTL542, RBTL575 - Sciere Forest (03 10 S 25 49E): **HZM**: 3.7866, 4.7867, 5.7868 - Topetope (02 16 00 S 28 03 00 E, 1390 m): **RMCA**: 34381, 34384 - Uma (00 32 21 N 025 54 05 E, 508 m): **UNIKIS**: UMA501, UMA624, UMA635 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 89.020-M-0039, 91.076-M-0020, 91.076-M-0065, 91.076-M-0082, 91.076-M-0098, 91.076-M-0100, 92.079-M-0063, 92.079-M-0064, 92.079-M-0065, 92.079-M-0066, 92.079-M-0067, 92.079-M-0068, 92.079-M-0069, 92.079-M-0070 - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT1801, CRT1802, CRT1804, CRT1805, CRT1806, CRT1807, CRT1808, CRT1810, CRT1811, CRT1815, CRT1819, CRT1820, CRT1824, CRT1825, CRT1826, CRT1827, CRT1828, CRT1829, CRT1830, CRT1831, CRT1832, CRT1833, CRT1834, CRT1835, CRT1836, CRT1837, CRT1838, CRT1839, CRT1840, CRT1841, CRT1842, CRT1843, CRT1844, CRT1845, CRT1847, CRT1848, CRT1850, CRT1851, CRT1852, CRT1853, CRT1855, CRT1857, CRT1859, CRT1860, CRT1861, CRT1862, CRT1863, CRT1864, CRT1865, CRT1866, CRT1869, CRT1870, CRT1871, CRT1872, CRT1873, CRT1874, CRT1875, CRT1876, CRT1877, CRT1878, CRT1883, CRT1884, CRT1885, CRT1886, CRT1887, CRT1889, CRT1890, CRT1891, CRT1892, CRT1893, CRT1894, CRT1895, CRT1896, CRT2305, CRT2307, CRT2316, CRT2317, CRT2318, CRT2320, CRT2351, CRT2352, CRT2353, CRT2354, CRT2355, CRT2356, CRT2357, CRT2358, CRT2359, CRT2360, CRT2362, CRT2365, CRT2366, CRT2369, CRT2370, CRT2371, CRT2372, CRT2373, CRT2375, CRT2376, CRT2377, CRT2378, CRT2379, CRT2380, CRT2381, CRT2382, CRT2383, CRT2385, CRT2391, CRT2393, CRT2394, CRT2397, CRT2398, CRT2399, CRT2400 - Yalosemba (02 35 N 24 47 E, 422 m): **MHNG**: 1871.014; **USNM**: 537694, 537695 - Yoko (00 17 N 25 17 E): **RMCA**: a1.097-M-3161, a1.097-M-3191, a1.097-M-3192, a1.097-M-3193; **UNIKIS**: GE246, GE281, GE284, GE293, YK005CH, YK010CH, YK013CH, YK015CH, YK018CH, YK019CH, YK025CH - Zookis (00 31 N 25 12 E, 447 m): **UNIKIS**: ZCH05, ZCH12.

Equatorial Guinea:

Bata (01 51 00 N 09 45 00 E, 530 m): **MSB**: 29922, 29923 - Bioko Island (0330N 0842E): **ZMB**: 67197 - Musola (03 26 N 08 37 E, 437 m): **ZMB**: 58892.

Gabon:

Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-MO-1983-1492, ZM-MO-1985-1605, ZM-MO-1985-1606, ZM-MO-1985-1607, ZM-MO-1992-424, ZM-MO-1992-425, ZM-MO-1992-426, ZM-MO-1992-427, ZM-MO-1992-428, ZM-MO-1992-429, ZM-MO-1992-430, ZM-MO-1992-431, ZM-MO-1992-433, ZM-MO-1992-434, ZM-MO-1992-435, ZM-MO-1995-1701; **ZMA**: MAM.07802, MAM.20649, MAM.20650, MAM.20651, MAM.20652, MAM.20653, MAM.20654, MAM.20655, MAM.20656, MAM.20657 - Bengoue: **ZMA**: MAM.20648 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1992-437, ZM-MO-1992-438; **ZMA**: MAM.20647 - Moukalaba Reserve (0217S 1030E, 110 m): **FMNH**: 167758 - Ntyonga (ca. 013400S 091500E): **USNM**: 220895 - Ogooue-Maritime province: **USNM**: 584844 - Ossengue Camp site (0156S 0954E): **USNM**: 584708, 584709, 584710, 584713, 584714, 584843 - Rabi 59 site (0157S 0952E): **USNM**: 584706, 584707, 584715 - Rabi Oil Field (0156S 0954E): **USNM**: 584703, 584705 - Rabi Oil Field, 3 km N airport

terminal (0155S 0953E): **USNM**: 584699, 584700, 584701, 584702, 584704, 584711, 584712 - Rabi Oil Field, 6 km N airport terminal (0152S 0953E): **USNM**: 584840, 584841, 584842 - Toucan Site (0148S 0954E): **USNM**: 584838, 584839.

Nigeria:

Unknown locality: **BMNH**: 1976.1831 - Felele (0751N 0643E): **USNM**: 402316 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **USNM**: 377094, 378779, 402317 - Sapoba (060623N 055355E, 72 m): **ROM**: 79178, 79179, 79180, 79181, 79183, 79184, 79185, 79186, 79191, 79192, 79194 - Sapoba Forest Reserve (06 06 23 N 05 53 55 E, 72 m): **ROM**: 86947, 86949.

Uganda:

Budongo Forest Nature Reserve (014416N 313322E): **FMNH**: 165117 - Bugoma Forest (011153N 305607E): **LACM**: 51637, 51638, 51639 - Bwamba Forest (0140N 3130E): **LACM**: 31775 - Byumba (0056S 2942E, 1540 m): **FMNH**: 160253 - lake Kamuzuku 1 (00 15 49 S 30 09 09 E): **FMNH**: 224548 - Lake Kamuzuku 2 (00 15 54 S 30 09 25 E): **FMNH**: 224549, 224550 - Mainaro (00 21 27 N 30 23 13 E): **FMNH**: 224064, 224065, 224463 - Ngogo (00 30 22 N 30 25 34 E): **FMNH**: 224063 - Ntandi (004800N 300900E): **LACM**: 51640 - Toro (0030N 3000E, 762 m): **ROM**: 78003.

Zambia:

Salujinga (10 58 00 S 24 07 00 E, 1324 m): **BMNH**: 1965.534, 1965.535 - Salujinga (105800S 240700E): **BMNH**: 1963.534, 1963.535 - Salujinga (1058S 2407E): **NHMZ**: 11556.

Myonycteris torquata torquata (Dobson, 1878)

Cameroon:

Basal Mission (0439N 0926E): **ROM**: 51527 - Bota (04 01 43 N 09 11 15 E, 109 m): **ROM**: 43356 - Buéa Station, 2 km W (04 09 N 09 12 E): **ROM**: 69001 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55662 - Kumba (0439N 0925E): **ROM**: 55781 - Kumba region (0439N 0925E): **ROM**: 51510, 51511, 51607, 51616 - Lolodort (0316N 1049E): **ROM**: 39393 - Lomié, 40 km N (03 09 N 13 35 E): **ROM**: 57148 - Ngobilo (0420N 1037E, 218 m): **FMNH**: 43576 - Tote Tea Forest (0409N 0913E): **ROM**: 56995.

Myonycteris torquata wroughtoni K. Andersen, 1908

Congo (Democratic Republic of the):

Congo-Nil-Aka (04 34 N 29 45 E): **RBINS**: 13525 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 11657 - Likandi river (03 11 00 N 26 11 00 E): **BMNH**: 1907.7.8.25 (Holotype *Myonycteris wroughtoni*), 1907.7.8.26 (Paratype *Myonycteris wroughtoni*).

Nanonycteris veldkampii (Jentink, 1888)

Benin:

Unknown locality: **ZMA**: MAM.26245.

Cameroon:

Unknown locality: **YPM**: MAM 014566, MAM 014567, MAM 014568, MAM 014569 - Barombi Kang (0439N 0925E, 457 m): **ROM**: 37822, 37827, 37849, 37850, 37851, 37853, 37854 - Basal Mission (0439N 0926E): **ROM**: 51514, 51515, 51516, 51519, 51520, 51521, 51528, 51529, 51584, 51585, 51586, 51591 - Bota (04 01 43 N 09 11 15 E, 109 m): **BMNH**: 1967.1728; **ROM**: 50960, 50961 - CDC Banana Research Station (0409N 0913E): **ROM**: 58334, 58358 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 51763, 55538; **USNM**: 511908, 511945 - Kumba region (0439N 0925E): **ROM**: 51483, 51512, 51539, 51540, 51541, 51545, 51546, 51547, 51548, 51558, 51559, 51571, 51572, 51573, 51574, 51575, 51576, 51596, 51597, 51605, 51608, 51609, 51610 - Mamfe (05 46 00 N 09 17 00 E, 459 m): **BMNH**: 1948.605, 1948.606 - Mamfe, 15 km SE (ca. 05 40 N 09 23 E): **AMNH**: 241023 - Mbakaou (06 19 00 N 12 49 00 E, 833 m): **RMCA**: 73.018-M-0089 - Mukonje (04 35 02 N 09 30 18 E, 113 m): **ROM**: 39211, 39212, 39213, 39214, 39215, 39216, 39217 - Nachtigal (04 21 00 N 11 38 00 E, 454 m): **RMCA**: 73.029-M-0007 - Nkolé Koul village (03 20 N 12 53 E): **MNHN**: ZM-2011-670 - Ntui, 7 km N (ca. 04 27 N 11 38 E): **MNHN**: ZM-MO-1979-311 - Okola: **TTU**: 17955 - Sud-Ouest region: **SMF**: 68256, 68257, 68258, 68259, 68260, 68261, 68262 - Tombel (0446N 0938E): **ROM**: 39218, 39219, 39220, 39221, 39222, 39223, 39224, 39225, 39226, 39227, 39228, 39229, 39231, 39252, 39253, 39254, 39255, 39256, 39257, 39258, 39259, 39260, 39261, 39262, 39263, 39264, 39265, 43403, 43404, 43405, 43406, 43407, 43408, 43409, 43410, 43411, 43412, 43413, 43414, 43415, 43416, 43417, 43418, 43419, 43420, 43421, 43422, 43423, 43424, 43425, 43426, 43441 - Yoko, 5 km S (ca. 05 32 N 12 19 E): **MNHN**: ZM-MO-1979-312.

Central African Republic:

Bangui (04 22 00 N 18 35 00 E, 369 m): **LACM**: 19928; **MNHN**: ZM-MO-1984-250 - Mpoko (ca. 04 24 N 18 31 E): **MNHN**: ZM-2011-712.

Congo (Democratic Republic of the):

Unknown locality: **MNHN**: ZM-2014-1169, ZM-2014-1171, ZM-2014-1173.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1981-932, ZM-MO-1981-941; **SMF**: 46623, 84381, 84382, 91848, 91849, 92062, 92063, 92064; **ZMA**: MAM.18047, MAM.18048, MAM.18049 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **MNHN**: ZM-MO-1981-933, ZM-MO-1981-934, ZM-MO-1981-935, ZM-MO-1981-936, ZM-MO-1981-937, ZM-MO-1981-938, ZM-MO-1981-939, ZM-MO-1981-940; **ORSTOM**: A8074, A8303, A8726, A8727, A8730, A8748, A8751, A8752, A8757, A8758, A8759, A8760, A8761, A8762, A8763, B0013; **RMCA**: 35011, 35013, 35018, 97.079-M-0753, 97.079-M-0755, 97.079-M-0946, 97.079-M-0947, 97.079-M-0949, 97.079-M-0951, 97.079-M-0952, 97.079-M-0957; **ZMA**: MAM.16647, MAM.16648, MAM.16649, MAM.16650, MAM.16651, MAM.16652, MAM.16654, MAM.16655, MAM.18044 - Adzopé (06 06 25 N 03 51 43 W, 137 m): **ORSTOM**: A9186, A9187; **ZMA**: MAM.16646 - Banama Blanc (0945N 0550W): **FMNH**: 105212 - Bolo (08 29 N 07 34 W, 456 m): **ZMA**: MAM.18046 - Boundiali (093118N 062913W, 444 m): **FMNH**: 105339 - Dabakala (0822N 0426W, 249 m): **FMNH**: 58894, 58899 - Douna: **USNM**: 467914 - Kong (090900N 043700W): **USNM**: 454434 - Lamto (06 12 00 N 05 02 00 W): **ZMA**: MAM.16653 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1712, ZM-MO-1985-534, ZM-MO-1985-550; **ORSTOM**: 21.655, 21.656 - Matonguiné (07 17 20 N 08 02 17 W, 356 m): **ZMA**: MAM.18045 - Parc National de Mont Peko (06 56 N 07 10 W): **ROM**: 100558, 100559, 100560, 100561, 100562, 100574 - Séguélo (09 24 31 N 07 09 00 W, 457 m): **FMNH**: 58890.

Gabon:

Ogooue-Maritime province: **USNM**: 584846, 584847, 584848 - Rabi Oil Field, 6 km N airport terminal (0152S 0953E): **USNM**: 584845.

Ghana:

Unknown locality: **BMNH**: 1974.19_1, 1974.19_2, 1974.19_3, 1974.22, 1974.55, 1974.56_1, 1974.56_2, 1974.58_1, 1974.58_2, 1975.2837_1, 1975.2837_2, 1975.525, 1975.526_1, 1975.526_2, 1975.526_3, 1975.526_4, 1975.530, 1975.531, 1977.470_1, 1977.470_2, 1977.470_3; **SMF**: 89664, 89665 - Accra (05 33 N 00 13 W, 98 m): **ZMB**: 4061 - Achimota Forest Reserve (05 40 N 00 12 W): **USNM**: 411805 - Asenparage garden (06 30 N 02 54 W, 251 m): **RMCA**: 37891 - Bator (0604N 0025E, 56 m): **USNM**: 411787, 411788, 411789, 411790, 411791, 411792, 411793, 411794 - Begoro: **SMNS**: 1780 - Bibianaha (0628N 0220W): **BMNH**: 1912.2.27.1 - Doyum (05 54 N 00 01 E, 46 m): **ROM**: 60237 - Gambaga (10 32 N 00 26 W, 312 m): **USNM**: 424821 - Gukstenar: **BMNH**: 1972.185, 1972.185_1, 1972.185_2 - Kade, 11 km NE (06 07 N 00 34 W): **ROM**: 36557, 36558, 36559, 36560 - Kete Krachi (07 48 N 00 01 W, 83 m): **ZMB**: 10039 - Kumasi (064100N 013700W): **BMNH**: 1966.6192, 1966.6193, 1966.6194, 1966.6195, 1966.6196 - Kumasi Agricultural Station (06 45 N 01 34 W, 246 m): **ROM**: 49113 - Legon, 1 mi N (ca. 053900N 001100W): **USNM**: 411802 - Mole Game Reserve, River below headquarters (ca. 09 50 N 01 49 W): **AMNH**: 237408 - Mole Motel (09 50 N 01 49 W): **AMNH**: 237409, 237410, 237411 - Mole Motel, 2nd dam below (ca. 09 50 N 01 49 W): **AMNH**: 237412 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424822 - Sefwi Asenparage (06 30 00 N 02 54 00 W, 251 m): **RMCA**: 37889, 37890, 37894 - Takoradi (04 53 N 01 45 W): **BMNH**: 1966.6199, 1966.6200, 1966.6201, 1966.6202 - University of Ghana (053900N 001100W): **USNM**: 411795, 411796, 411797, 411798, 411799, 411800, 411801, 411803, 411804 - unspecified locality (ca. 06 00 00 N 03 00 00 W): **WAM**: M21215 - Yabraso (0804N 0147W): **USNM**: 424797, 424798, 424799, 424800, 424801, 424802, 424803, 424804, 424805, 424806, 424807, 424808, 424809, 424810, 424811, 424812, 424813, 424814, 424815, 424816, 424817, 424818, 424819, 424820.

Guinea:

Fressoudou (09 08 00 N 08 54 00 W): **MNHN**: ZM-2012-482, ZM-2012-483, ZM-2012-486, ZM-2012-487, ZM-2012-488, ZM-2012-489, ZM-2012-490, ZM-2012-491, ZM-2012-492, ZM-2012-493, ZM-2012-494, ZM-2012-495 - Kankasili (10 11 N 12 29 W): **ZMA**: MAM.10734, MAM.10736, MAM.10740, MAM.10744, MAM.10865 - Macenta (08 32 46 N 09 28 10 W, 598 m): **MNHN**: ZM-MO-1920-373 - Sérédou (08 22 56 N 09 17 59 W): **MNHN**: ZM-MO-1984-191 - Zogota (mine) (ca. 07 53 10 N 09 01 24 W): **MNHN**: ZM-2012-484, ZM-2012-485.

Liberia:

Unknown locality: **SMF**: 87664, 87665, 87683, 87684 - Bomi Wood Concession, near (ca. 0653N 1050W): **AMNH**: 257029, 257030, 257031, 257032 - Buluma: **RMNH**: MAM.20400 - East Grassfield (07 29 20 N 08 34 15 W): **MNHN**: ZM-MO-1987-2, ZM-MO-1987-3, ZM-MO-1987-4, ZM-MO-1987-5, ZM-MO-1987-6 - Gabagea River: **AMNH**: 265674 - Grassfield (07 29 20 N 08 34 15 W, 530 m): **RMCA**: 80.036-M-0009, 80.036-M-0010, 80.036-M-0011, 80.036-M-0012, 80.036-M-0013, 80.036-M-0014 - Iti: **RBINS**: 16051, 16062, 16066, 16067 - Mount Nimba East (ca. 07 30 N 08 28 W): **RBINS**: 16050, 16059, 16078 - Mount Nimba West (ca. 07 29 00 N 08 33 00 W): **RBINS**: 16044, 16045, 16046, 16047, 16049, 16052, 16053, 16054, 16055, 16056, 16057, 16058, 16060, 16061, 16063, 16064, 16065, 16068, 16069, 16070, 16071, 16072, 16073, 16074, 16075, 16076, 16079, 16080, 16081 - Ziggida, 10.5 km N, 1 km E: **AMNH**: 265671, 265672 - Ziggida, 13 km N, 1 km E: **AMNH**: 265673 - Zomai (07 36 56 N 09 37 53 W, 303 m): **RMCA**: 36302 - Zozoma (082500N 094700W): **AMNH**: 257033.

Nigeria:

Unknown locality: **BMNH**: 1976.1832, 1976.1833 - Calabar (04 34 27 N 06 58 33 E, 380 m): **ZMA**: MAM.18608, MAM.18609 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **ROM**: 79199, 79200 - Jos (09 55 N 08 54 E, 1217 m): **ZMA**: MAM.20575, MAM.20576, MAM.20577 - Mokwa (0917N 0503E, 87 m): **ROM**: 77735 - Oban (051900N 083400E): **BMNH**: 1910.6.1.48 - Okomu (061557N 050614E, 26 m): **ROM**: 79196, 79197, 79198 - Pandam Wildlife Park (08 44 N 08 59 E): **ZMA**: MAM.18607 - Sapoba (060623N 055355E, 72 m): **ROM**: 79182, 79193 - Shasha Forest Reserve: **ZMUI**: 138.

Sierra Leone:

Bo: **BMNH**: 1962.301.

Togo:

Unknown locality: **RMCA**: 73.054-M-1499, 73.054-M-1500, 73.054-M-1501, 73.054-M-1502, 73.054-M-1503, 73.054-M-1504, 73.054-M-1505, 73.054-M-1506, 73.054-M-1507, 73.054-M-1508, 73.054-M-1509, 73.054-M-1510, 73.054-M-1511, 73.054-M-1512, 73.054-M-1513, 73.054-M-1514, 73.054-M-1515, 73.054-M-1516, 73.054-M-1517 - Adina (07 31 00 N 01 01 00 E, 252 m): **RMCA**: 73.054-M-1461, 73.054-M-1462, 73.054-M-1463, 73.054-M-1464, 73.054-M-1465, 73.054-M-1466, 73.054-M-1467 - Adjido (07 30 00 N 01 11 00 E, 186 m): **RMCA**: 73.054-M-1424 - Agadji (07 27 00 N 00 54 00 E, 348 m): **RMCA**: 73.069-M-0012 - Agou (06 53 00 N 00 44 00 E, 488 m): **RMCA**: 73.013-M-0922 - Akposso (07 34 00 N 00 59 00 E): **RMCA**: 73.054-M-0142, 73.054-M-0143, 73.054-M-0144, 73.054-M-0145, 73.054-M-0146, 73.054-M-0147, 73.054-M-0150, 73.054-M-0151, 73.054-M-0154, 73.054-M-0155, 73.054-M-0156, 73.054-M-0157, 73.054-M-0158, 73.054-M-0159, 73.054-M-1443, 73.054-M-1444, 73.054-M-1445, 73.054-M-1446, 73.054-M-1447, 73.054-M-1448, 73.054-M-1449, 73.054-M-1450, 73.054-M-1451, 73.054-M-1452, 73.054-M-1453, 73.054-M-1454, 73.054-M-1455, 73.054-M-1456, 73.054-M-1457, 73.054-M-1458, 73.054-M-1459, 73.054-M-1460 - Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.009-M-0418 - Atakpamé (07 32 00 N 01 08 00 E, 376 m): **RMCA**: 73.054-M-1441 - Azafi (07 34 00 N 01 02 00 E, 253 m): **RMCA**: 73.069-M-0440 - Bismarckburg [=Adéle] (08 11 00 N 00 41 00 E): **ZMB**: 10041 - Dédomé (07 30 00 N 00 59 00 E, 265 m): **RMCA**: 73.069-M-0025, 73.069-M-0026 - Ebéva (07 31 00 N 01 05 00 E, 212 m): **RMCA**: 73.069-M-0017, 73.069-M-0029, 73.069-M-0030, 73.069-M-0031, 73.069-M-0032, 73.069-M-0033, 73.069-M-0234, 73.069-M-0235, 73.069-M-0236, 73.069-M-0237, 73.069-M-0238, 73.069-M-0441 - Edifou (07 29 00 N 00 58 00 E, 231 m): **RMCA**: 73.054-M-0250, 73.054-M-0251, 73.054-M-1480, 73.054-M-1481, 73.054-M-1482, 73.054-M-1483, 73.054-M-1484, 73.054-M-1485, 73.054-M-1486, 73.054-M-1487, 73.054-M-1488, 73.054-M-1489, 73.054-M-1490 - Evou (07 32 00 N 01 02 00 E, 224 m): **RMCA**: 73.054-M-0262, 73.054-M-1426, 73.054-M-1427, 73.054-M-1428, 73.054-M-1430, 73.054-M-1431, 73.054-M-1433, 73.054-M-1434, 73.054-M-1435, 73.054-M-1436, 73.054-M-1437, 73.054-M-1494, 73.054-M-1495, 73.054-M-1496, 73.054-M-1497, 73.054-M-2080 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **RMCA**: 73.054-M-0164, 73.054-M-0165, 73.054-M-0167, 73.054-M-0170, 73.054-M-0171, 73.054-M-0216, 73.054-M-0247, 73.054-M-0248, 73.054-M-1468, 73.054-M-1469, 73.054-M-1470, 73.054-M-1471, 73.054-M-1472, 73.054-M-1473, 73.054-M-1498 - Fazao (08 42 00 N 00 47 00 E, 593 m): **RMCA**: 73.011-M-0390, 73.011-M-0391, 73.011-M-0392, 73.011-M-0393, 73.011-M-0394, 73.011-M-0395, 73.011-M-0396, 73.011-M-0397, 73.011-M-0452, 73.011-M-0612, 73.011-M-0613, 73.011-M-0614, 73.011-M-0615, 73.011-M-0616, 73.011-M-0617, 73.011-M-0618, 73.011-M-0619 - Ihounabe (07 21 00 N 00 55 00 E): **RMCA**: 73.069-M-0233 - Kamina (07 31 00 N 01 11 00 E, 206 m): **RMCA**: 73.054-

M-0246, 73.054-M-1442 - Koutoukpa (07 31 00 N 00 59 00 E, 458 m): **RMCA**: 73.054-M-0249, 73.054-M-1474, 73.054-M-1475, 73.054-M-1476, 73.054-M-1477, 73.054-M-1478, 73.054-M-1479 - Lomnava (07 31 00 N 01 08 00 E, 379 m): **RMCA**: 73.054-M-0245, 73.054-M-1438, 73.054-M-1439, 73.054-M-1440 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.013-M-0585, 73.013-M-0586, 73.013-M-0587, 73.013-M-0672, 73.013-M-0673; **ZMB**: 10043, 7546 - no specific locality: **RMCA**: 73.013-M-0903, 73.013-M-0904, 73.013-M-0905, 73.013-M-0906, 73.013-M-0907, 73.013-M-0908, 73.013-M-0909, 73.013-M-0910, 73.013-M-0911, 73.013-M-0912, 73.013-M-0913, 73.013-M-0914, 73.013-M-0915 - Odjolo (07 32 00 N 01 02 00 E): **RMCA**: 73.054-M-1491, 73.054-M-1492, 73.054-M-1493, 73.069-M-0027, 73.069-M-0028, 73.069-M-0231, 73.069-M-0232 - Paio (10 14 00 N 00 43 00 E, 146 m): **RMCA**: 73.009-M-0419, 73.009-M-0420, 73.009-M-0421 - Tchonou (07 30 00 N 01 15 00 E, 152 m): **RMCA**: 73.054-M-1420, 73.054-M-1421, 73.054-M-1422, 73.054-M-1423 - Témédja (07 31 00 N 01 03 00 E, 226 m): **RMCA**: 73.054-M-1425, 73.054-M-1429, 73.054-M-1432 - Tététou (07 01 00 N 01 30 00 E, 105 m): **RMCA**: 73.011-M-0620 - Togoville (06 12 41 N 01 28 41 E, 63 m): **RMCA**: 73.011-M-0621.

Plerotes anchietae (Seabra, 1900)

Angola:

Chitau (11 25 S 17 09 E, 1503 m): **CM**: 6971 - Dando (11.13S 17.38E): **CZL**: 31-59026 (Neotype *Epomophorus anchietæ*) - Mussende (10.63S 16.13E): **IICA**: 6735.

Congo (Democratic Republic of the):

Kaloba, 5 km from (ca. 10 16 S 27 37 E): **MNHN**: ZM-2011-860 - Kipangaribwe river (08 56 S 27 12E, 1760 m): **RBINS**: 10685, 10686.

Malawi:

Unknown locality (1700 m): **SMF**: 85745 - Mondwe Valley (10 24 S 33 50 E, 1700 m): **SMF**: 85744.

Zambia:

Abercorn (08 50 S 31 23 E, 1656 m): **HZM**: 1.3049 - Kasama (10.22S 31.17E): **BMNH**: 1963.45.

Rousettus Gray, 1821

Congo (Democratic Republic of the):

Bokungu (004100S 221900E, 402 m): **RMCA**: 18641 - Djomba (01 20 S 29 34 E, 1500 m): **INPBC**: V93.1 - Kabambi (00 51 00 N 29 39 00 E, 1260 m): **INPBC**: W1467 - Mount Hoyo (01 13 00 N 29 49 00 E, 1200 m): **BMNH**: 1960.113 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V1447.

Gabon:

Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-MO-1983-1240.

Kenya:

"Vipinga" (0349S 3948E, 99 m): **YPM**: MAM 003422, MAM 003423, MAM 003424, MAM 003425, MAM 003426 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **YPM**: MAM 003420, MAM 003421, MAM 011160.

Malawi:

Unknown locality: **BMNH**: 1987.1016.

South Africa:

Brakkloof (3322S 2637E): **MCZ**: 25158.

Tanzania:

Kimboza Forest Reserve (070145S 374642E): **FMNH**: 183260, 183261 - Kwambumi Forest Reserve (0457S 3844E): **FMNH**: 182574, 182575 - Ukami Forest Reserve (0753S 3623E): **FMNH**: 182671, 182672, 182673, 182674, 182675, 182676, 182677, 182678, 182679, 182680, 182681, 182682.

Uganda:

Kapchorwa, cave (0124N 3427E): **CAS**: 24641, 24642 - Mihunga (0020N 3002E): **MCZ**: 58414.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)

"Africa":

Unknown locality: **FMNH**: 154188; **HZM**: 107.11626; **MCZ**: 48195, 48196; **MNHN**: ZM-MO-1983-1275, ZM-MO-1983-1276, ZM-MO-1983-1277, ZM-MO-1983-1278, ZM-MO-1983-1284, ZM-MO-1983-1285, ZM-MO-1983-1286, ZM-MO-1983-1291A, ZM-MO-1983-1291B, ZM-MO-1983-1291C, ZM-MO-1983-1291D, ZM-MO-1983-1291E, ZM-MO-1983-1291F, ZM-MO-1983-1291G, ZM-MO-1983-1291H, ZM-MO-1983-1291I, ZM-MO-1983-1291J, ZM-MO-1983-1291K, ZM-MO-1983-1291L, ZM-MO-1983-1291M, ZM-MO-1985-27, ZM-MO-1985-28A, ZM-MO-1985-28B, ZM-MO-1985-28C, ZM-MO-1985-28D, ZM-MO-1985-28E, ZM-MO-1985-28F; **RMCA**: 93.143-M-0001, 98.025-M-0013, 98.025-M-0014, b2.018-M-0267, b2.018-M-0268; **RMNH**: MAM.45958; **ZMA**: MAM.09126, MAM.09127, MAM.17974, MAM.22365, MAM.22366, MAM.22922; **ZMUC**: 2284 - Riva, near: **MCZ**: 44511 - Ukondjo: **ZMB**: 10237.

Angola:

Unknown locality: **BMNH**: 1862.8.26.1 (Holotype *Eleutherura unicolor*), 1904.4.9.2 - Benguela (12 34 42 S 13 24 26 E, 39 m): **RMNH**: MAM.02535 - Canzele (08.38S 15.13E): **FMNH**: 81728 - Canzele (0821S 1511E): **RMNH**: MAM.81728 - Gabela, 30 km S (11 07 S 14 22 E): **FMNH**: 83592, 84033, 84034 - Hanha (1215S 1343E): **AMNH**: 85518 - Luanda (08.88S 13.38E): **IICA**: 46 - N'Kuta, Loango: **ZMB**: 67226.

Burundi:

Bujumbura (03 23 00 S 29 22 00 E, 794 m): **RBINS**: 19903 - Gihanga (0312S 2920E): **SMF**: 57530 - Kayanza (025520S 293720E, 1957 m): **SMF**: 57531 - Kigwena Hill (040838S 293207E, 800 m): **FMNH**: 148339, 148340 - Nyagatarugwa River Valley (0355S 2935E, 1785 m): **FMNH**: 148338 - Nyanza Lac (042008S 293543E): **SMF**: 57528, 57529 - Resha (0354S 2924E): **SMF**: 57525, 57526, 57527 - Rumonge (035820S 292620E, 809 m): **RMCA**: 17759, 17760, 17761.

Cameroon:

Unknown locality: **MNHN**: ZM-MO-1983-1261; **ROM**: 57034 - above Buea, Larger I (1600 m): **ZFMK**: 1961.0592 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0593 (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0209a (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0209b (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0209c (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0209d (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0209e (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0209f (Paratype *Rousettus aegyptiacus occidentalis*) - Alen (02 23

00 N 10 34 00 E, 197 m): **RMCA**: 73.018-M-0327 - Bafut (0605N 1006E, 1231 m): **ROM**: 55885, 55886 - Bamenda, 14 km E (ca. 0557N 1010E): **AMNH**: 240988, 240989, 240990, 240991, 240992, 240993, 240994, 240995, 240996, 240997, 241090, 241091, 241092; **TTU**: 17956, 17957, 17958, 17959, 17960, 17961, 17962, 17963 - Barombi Kang (0439N 0925E, 457 m): **ROM**: 37826 - Barombi-Mbo, lake (0439N 0925E, 274 m): **ROM**: 55521 - Big farm, Mungo River, east bank (0421N 0930E): **ROM**: 68880 - Bipindi, 10 km W (0305N 1025E, ca. 300 m): **ROM**: 56250, 56251, 56255 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 54691, 54699 - Bota (04 01 43 N 09 11 15 E, 109 m): **ROM**: 43327, 43348 - Boteke Village (0406N 0912E): **ROM**: 69056 - Buéa (04 09 34 N 09 14 12 E, 1067 m): **FMNH**: 42586 - Buéa (04 09 34 N 09 14 12 E, 1850 m): **ROM**: 57010, 57011, 57012, 57018, 57019, 57022, 57026, 57027 - Buéa (04 09 34 N 09 14 12 E, 914 m): **FMNH**: 42584, 42585 - Buea station, 2 km S (0409N 0912E): **ROM**: 68924, 68925, 68935, 68936, 68964 - Campo (02 22 00 N 09 49 00 E, 0 m): **RMCA**: 75.056-M-0141 - CDC Banana Research Station (0409N 0913E): **ROM**: 58309, 58310, 58311, 58340, 58341 - Dokoa (04 22 00 N 11 44 00 E, 469 m): **RMCA**: 73.029-M-0056, 73.029-M-0057, 73.029-M-0058 - Ekona (0415N 0919E): **ROM**: 39061, 39062, 39063, 39064, 39065 - Great Soppo (0409N 0912E): **FMNH**: 106559; **ROM**: 55560, 55561 - Great Soppo Forest (040917N 091434E, 824 m): **ROM**: 56923 - Isobi, Larger VI (30 m): **ZFMK**: 1961.0577 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0580 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0581 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0583 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0587 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0588 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0589 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0590 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0591 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0594 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0598 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0599 (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0208a (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0208b (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0208c (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0208d (Paratype *Rousettus aegyptiacus occidentalis*), 1963.0208e (Paratype *Rousettus aegyptiacus occidentalis*) - Kiribi, 14 km N (0304N 0954E): **ROM**: 56274 - Kribi (0255N 0955E): **ROM**: 54935, 54936 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 37793, 37794, 37845, 55659, 55663, 55730, 55732, 55733, 55734, 55735, 55736, 55737; **USNM**: 318299, 318300 - Kumba region (0439N 0925E): **ROM**: 51560 - Lékoun (04 13 00 N 11 14 00 E, 499 m): **RMCA**: 73.029-M-0146, 73.029-M-0147 - Lobe: **BMNH**: 1960.52 - Lolodorf (031400N 104400E): **CM**: 3928, 4637 - Lolodort (0316N 1049E): **ROM**: 39394 - Malene I village (03 21 N 12 53 E, 639 m): **MNHN**: ZM-2011-671, ZM-2011-672, ZM-2011-673 - Mbalmayo road (03 31 00 N 11 30 00 E): **MNHN**: ZM-MO-1983-1262, ZM-MO-1983-1263, ZM-MO-1983-1264, ZM-MO-1983-1265, ZM-MO-1983-1266, ZM-MO-1983-1280, ZM-MO-1983-1281, ZM-MO-1983-1282, ZM-MO-1983-1283 - Moliko, CDC Banana plantation (0409N 0912E): **ROM**: 55583, 55584, 55585 - Mueli, Lager V (600 m): **ZFMK**: 1959.0450 (Holotype *Rousettus aegyptiacus occidentalis*), 1961.0576 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0578 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0582 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0584 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0585 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0586 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0595 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0596 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0597 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0600 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0602 (Paratype *Rousettus aegyptiacus occidentalis*) - Muyuka [= Muea] (0415N 0924E): **ROM**: 58285 - Mvenge, 6 km W (0317N 1101E): **ROM**: 56207, 56226, 56227, 56228 - near Lake Koto Barombi, Larger IV (120 m): **ZFMK**: 1961.0575 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0579 (Paratype *Rousettus aegyptiacus occidentalis*), 1961.0601 (Paratype *Rousettus aegyptiacus occidentalis*) - Ngaoundéré, 85 km S: **MNHN**: ZM-MO-1983-1279 - Ngoumé (05 29 00 N 11 24 00 E, 681 m): **RMCA**: 77.032-M-0162, 77.032-M-0163 - Ongoo near Mukono (0439N 0925E): **ROM**: 55693, 55694, 55695, 55696, 55697, 55698, 55699, 55700, 55701, 55702, 55703, 55704, 55705, 55706, 55707 - Sakbayémé, 26 km NE (ca. 0405N 1035E): **MVZ**: 196220, 196221, 196222 - small Soppo (0407N 0912E): **ROM**: 57030 - Tiko, near (ca. 04 04 28 N 09 22 12 E): **ROM**: 46755, 46756, 46839 - Tombel (0446N 0938E): **ROM**: 39045, 39046, 43386, 43387, 43388, 43389, 51037, 95203 - Touroua (09 05 00 N 12 58 00 E, 202 m): **RMCA**: 76.014-M-0023 - Victoria (04 00 36 N 09 09 36 E): **SMF**: 28287; **ZMB**: 54700 - West Cameroon: **ROM**: 50962 - Yaounde (0352N 1131E, 1025 m): **ZMB**: 10239 - Yaounde (0352N 1131E, 726 m): **MNHN**: ZM-MO-1979-334, ZM-MO-1979-335, ZM-MO-1979-336, ZM-MO-1979-337, ZM-MO-1979-338, ZM-MO-1979-339, ZM-MO-1979-340, ZM-MO-1979-341, ZM-MO-1979-342 - Yaoundé, 150 km from, on Yoko road (04 55 N 12 00 E): **MNHN**: ZM-MO-1983-1260, ZM-MO-1983-1268, ZM-MO-1983-1269, ZM-MO-1983-1270, ZM-MO-1983-1273, ZM-MO-1983-1971, ZM-MO-1983-1972.

Congo:

Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: ZM-MO-1984-1268 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1975-801, ZM-MO-1975-802 - Kila N'Tari cave (04 07 13 S 13 51 10 E): **MNHN**: ZM-MO-1975-794 - Stanley pool (04 11 22 S 15 26 19 E): **MNHN**: ZM-MO-1983-1006, ZM-MO-1983-1007.

Congo (Democratic Republic of the):

Unknown locality: **MNHN**: ZM-2014-1156; **RMCA**: 26823, 27182, 27183, 27184, 27185, 27186, a1.097-M-0548, a1.097-M-0549 - Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V1765, V1839.3, V5006, V705 - Baliko (00 16 00 S 20 49 00 E, 388 m): **RMCA**: a1.097-M-0414, a1.097-M-0415, a1.097-M-0416 - Banza Nfinda cave (051600S 145200E, 611 m): **RMCA**: 22511, 22512, 22513, 22514, 22566, 22567, 22568, 22569 - Beni (00 30 00 N 29 28 00 E, 853 m): **RMCA**: 3238a, 3238b, 3239 - Bushushu (02 01 00 S 28 54 00 E, 1455 m): **RMCA**: 28893 - Buta (02 48 N 24 44 E, 434m): **RBINS**: 12932, 12933 - Butembo (0009N 2917E, 1381 m): **RMCA**: 27384, 29242, 36206 - Butembo region (ca. 000900N 291700E): **RBINS**: 7054 - Defrenne cave (10 58 00 S 26 39 00 E): **RMCA**: 22615, 22616, 22617, 22618, 22619, 22620, 22621, 22622, 22623, 22624, 22625, 22626, 22627, 22628, 22629, 22630, 22631, 22632, 22633, 22634, 22635, 22636, 22637, 26214, 26798 - Djemba (01 20 S 29 34 E, 1500 m): **INPBC**: V417, V93.1.01, V93.1.02, V93.1.03, V93.1.04, V93.1.05, V93.1.06, V93.1.07, V93.1.08, V93.1.09, V93.1.10, V93.1.11, V93.1.12, V93.1.13, V93.1.14, V93.1.15, V93.1.16, V93.1.17 - Djomba (01 20 S 29 34 E, 1500 m): **INPBC**: V1535 - Elisabethville (114000S 272600E, 1209 m): **RMCA**: 31509 - Goroumbwa Mine (03 06 45.66 N 29 34 13.62 E): **TM**: DBA002, DBA003, DBA004, DBA005, DBA006, DBA007, DBA009, DBA029, DBA070, DBA074, DBA077, DBA078, DBA079, DBA080, DBA081, DBA082, DBA083, DBA084, DBA110, DBA111, DBA114, DBA116, DBA117, DBA118, DBA119, DBA120, DBA121, DBA122, DBA123, DBA125, DBA127, DBA128, DBA131, DBA142, DBA157, DBA187, DBA188, DBA189, DBA190, DBA191, DBA192, DBA193, DBA197, DBA226, DBA229, DBA231, DBA232, DBA233, DBA234, DBA235, DBA236, DBA237, DBA238, DBA254, DBA281, DBA284, DBA285, DBA286, DBA335, DBA336, DBA337, DBA338, DBA339, DBA340, DBA341, DBA342, DBA343, DBA344, DBA345, DBA346, DBA347, DBA348, DBA349, DBA350, DBA351, DBA352, DBA353, DBA355, DBA356, DBA357, DBA358, DBA359, DBA361, DBA362, DBA363, DBA364, DBA365, DBA366, DBA367, DBA368, DBA369, DBA370, DBA371, DBA372, DBA373, DBA374, DBA375, DBA376, DBA377, DBA378, DBA379, DBA380, DBA381, DBA382, DBA383, DBA384, DBA385, DBA386, DBA387, DBA388, DBA389, DBA390, DBA391, DBA392, DBA393, DBA394, DBA395, DBA396, DBA397, DBA398, DBA399, DBA400, DBA407, DRC0001, DRC0002,

DRC0003, DRC0004, DRC0028, DRC0030, DRC0031, DRC0035, DRC0036, DRC0037, DRC0038, DRC0039, DRC0040, DRC0041, DRC0042, DRC0043, DRC0044, DRC0045, DRC0046, DRC0047, DRC0048, DRC0049, DRC0050, DRC0051, DRC0052, DRC0054, DRC0057, DRC0058, DRC0059, DRC0060, DRC0061, DRC0062, DRC0063, DRC0064, DRC0065, DRC0066, DRC0067, DRC0068, DRC0070, DRC0072, DRC0073, DRC0087, DRC0088, DRC0090, DRC0091, DRC0092, DRC0093, DRC0094, DRC0095, DRC0096, DRC0097, DRC0098, DRC0099, DRC0100, DRC0101, DRC0108, DRC0109, DRC0110, DRC0111, DRC0112, DRC0113, DRC0114, DRC0115, DRC0116, DRC0117, DRC0118, DRC0119, DRC0123, DRC0125, DRC0126, DRC0132, DRC0133, DRC0136, DRC0137, DRC0138, DRC0139, DRC0140, DRC0143, DRC0144, DRC0145, DRC0152, DRC0153, DRC0157 - Hoyo, Mount (01 13 00 N 29 49 00 E, 1200 m): **RMCA**: 35806 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RBINS**: 14600, 14601; **RMCA**: 26258, 26259, 26260, 26261, 26262, 26263, 26264 - Jomba (01 16 54 S 29 33 14 E): **MHNG**: 1872.062, 1872.063, 1872.064, 1872.065, 1872.066 - Kadjudju (02 09 00 S 28 54 00 E, 1455 m): **MNHN**: ZM-MO-1983-1267 - Kakindo Cave (021600S 285100E): **USNM**: 375234, 375235 - Kakonda (05 50 00 S 28 42 00 E, 800 m): **AMNH**: 118865 - Kakondo (02 15 00 S 28 42 00 E, 3051 m): **RBINS**: 13114.1, 13114.2, 13283, 13284; **RMCA**: 19652, 19653, 28031, 28890, 28891, 28892 - Kakondo cave (02 16 00 S 28 51 00 E): **RMCA**: 19650, 19655 - Kakontwe (105900S 264000E, 1253 m): **BMNH**: 1954.778, 1954.779, 1954.780, 1954.781 - Kakontwe cave (105900S 263800E, 1294 m): **RMCA**: 22483, 22484, 29219 - Kalimabenge river (03 24 38 S 29 08 42 E): **RMCA**: 27988 - Kasuo cave Kabwe ka (06 37 00 S 24 58 00 E): **RMCA**: 22955a, 22955b, 22955c - Katana (02 13 30 S 28 49 53 E, 1595 m): **AMNH**: 180899, 180900, 180901; **MCZ**: 48186, 48187, 48188, 48189, 48190, 48191, 48192, 48193, 48194, 48536; **RMNH**: MAM.16347, MAM.16348, MAM.16349, MAM.16350, MAM.16351, MAM.16352, MAM.16353, MAM.16354, MAM.16355, MAM.16401; **SMF**: 31823 - Katana cave (02 13 00 S 28 05 00 E, 1480 m): **RMCA**: 27419 - Kibanda (03 20 00 S 27 12 00 E, 688 m): **RMCA**: 76.022-M-0021, 76.022-M-0022 - Kilo mines (01 48 N 30 14 E, 1466 m): **RMCA**: 19100, 19101 - Kinyamahura (01 18 00 S 29 33 00 E, 1905 m): **RMCA**: 17083, 17084 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 86.024-M-0001, 86.024-M-0002, 87.010-M-0007, 87.010-M-0008, 87.010-M-0009, 87.010-M-0010 - Kivu: **MNHN**: ZM-MO-1983-1076, ZM-MO-1983-1077, ZM-MO-1983-1078, ZM-MO-1983-1079; **SMF**: 31824 - Kivu region: **MCZ**: 46063, 46064 - Kyniamahura: **RBINS**: 4784, 4785 - Lake Kivu, near (ca. 0200S 2910E): **MCZ**: 46154, 46155 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **FMNH**: 173295, 173296; **RMCA**: 28894, 28895, 28896, 31004, 31005, 31006, 31007; **SMF**: 25859, 25860, 31821, 31822; **USNM**: 301694, 301695, 301696, 301697, 301698, 301699, 301700, 301701, 301702 - Maboya (00 19 00 N 29 20 00 E, 1374 m): **RMCA**: 36246 - Mahysha cave (02 13 00 S 28 50 00 E, 1480 m): **RMCA**: 27717 - Mahyusa Cave (02 13 S 28 50 E, 1480 m): **BMNH**: 1958.647, 1958.648 - Mai-ya-Moto (00 54 00 S 29 21 00 E): **AMNH**: 180897, 180898 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 87.010-M-0002, 87.010-M-0006, 93.079-M-0305, 93.079-M-0306, 93.079-M-0307, 93.079-M-0308, 93.079-M-0309, 93.079-M-0310, 93.079-M-0311, 93.079-M-0312, 93.079-M-0313, 93.079-M-0315, 93.079-M-0316, 93.079-M-0317, 93.079-M-0318, 93.079-M-0319, 93.079-M-0320, 93.079-M-0321 - May ya Moto, sources chaudes (00 14 N 29 43 E, 950 m): **RBINS**: 12930 - Mount Hoyo (01 13 00 N 29 49 00 E, 1200 m): **RBINS**: 7057, 7058, 7059, 7060, 7061, 7064, 7474 - Mufunga (10 58 00 S 26 47 00 E): **RMCA**: 27915 - Mulungu (02 19 00 S 28 48 00 E, 1159 m): **RMCA**: 15879 - Mumba (01 27 21 S 28 53 01 E, 1765 m): **RMCA**: 35112 - Murambi (01 08 00 S 29 27 00 E, 1275 m): **INPBC**: W831 - Mutsora (00 19 00 N 29 44 00 E, 1200 m): **RBINS**: 12931 - Nyarusambo (01 28 48 S 29 21 00 E): **RBINS**: 12871, 12872, 12873 - Pempere cave (10 58 00 S 26 47 00 E): **RMCA**: 26711, 26712, 26713, 26714, 26715, 26777, 26778, 26779, 26780, 27595, 27596, 27597, 27598, 27599, 27600, 27601, 27602, 27603, 27604, 27605, 27606, 27608, 27609, 27610, 27611, 27612, 27613, 27614, 27615, 27616, 27617, 27618, 27619, 27620, 27621 - Pempéré cave (10 58 00 S 26 47 00 E): **MHNG**: 1046.032, 1046.033, 1046.034 - Rethy (02 05 11 N 030 53 46 E, 2116 m): **UNIKIS**: ITU702 - Rumoka (01 34 N 29 07 E): **INPBC**: V1636.1 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V1247, V1625 - Ruvara: **RBINS**: 12929 - Tamba Tamba cave b 12 (054300S 142700E): **BMNH**: 1954.782, 1954.783; **RMCA**: 22673, 22674, 22675, 22676, 22677a, 22678, 22679, 22680, 22681, 22682, 22683, 22684, 22685 - Uma (00 32 21 N 025 54 05 E, 508 m): **RMCA**: a1.097-M-3166, a1.097-M-3167, a1.097-M-3168, a1.097-M-3169, a1.097-M-3170, a1.097-M-3171; **UNIKIS**: UM013, UM014, UM021, UM025, UMA540, UMA548, UMA549, UMA552, UMA562, UMA579, UMA580, UMA582, UMA585, UMA610, UMA611, UMA620, UMA633, UMA634 - Upemba National Park (09 00 S 26 45 E): **MNHN**: ZM-2011-861, ZM-2011-862, ZM-2011-863 - Yoko (00 17 N 25 17 E): **RMCA**: a1.097-M-3162, a1.097-M-3163; **UNIKIS**: GE125, GE126, GE234/G15, GE235, GE236/G22, GE237, GE238/G21, GE242, GE243, GE245/G13, GE248, GE250, GE267/G14, GE286 - Yolokafiri (01 20 N 29 50 E, 1030 m): **RBINS**: 7056, 7063 - Zookis (00 31 N 25 12 E, 447 m): **UNIKIS**: ZCH06.

Côte d'Ivoire:

Bolo (08 29 N 07 34 W, 456 m): **ZMA**: MAM.19273 - Boundiali (093118N 062913W, 444 m): **FMNH**: 105285, 105286, 105288, 105289, 105290, 105291, 105292, 105293, 105338, 58904, 58905, 58906, 58909 - Boundiali, 2 km S: **LACM**: 33030, 33031 - Déoulé (073023N 073019W, 640 m): **FMNH**: 105295, 105296, 105297 - Duékoué (06 44 17 N 07 20 35 W, 271 m): **ORSTOM**: A9238, A9239; **USNM**: 465680; **ZMA**: MAM.16532 - Duekoué (064417N 072035W, 271 m): **MNHN**: ZM-MO-1981-943 - Kahin (065450N 073739W): **USNM**: 465720 - Lamto (06 12 00 N 05 02 00 W): **RMCA**: 97.077-M-3142 - Matonguiné (07 17 20 N 08 02 17 W, 356 m): **ZMA**: MAM.18879, MAM.18880, MAM.18881, MAM.18882, MAM.18883, MAM.18884, MAM.18885, MAM.18886, MAM.18887, MAM.18888, MAM.18889, MAM.18890, MAM.18891, MAM.18892, MAM.18893, MAM.18894, MAM.18895, MAM.18896, MAM.18897, MAM.18898, MAM.18899, MAM.18900, MAM.18901, MAM.18902, MAM.18903, MAM.18904, MAM.18905, MAM.18906, MAM.18907, MAM.18908, MAM.18909, MAM.18910, MAM.18911, MAM.18912, MAM.18913, MAM.18914, MAM.18915, MAM.18916, MAM.18979, MAM.18980, MAM.18981, MAM.18982, MAM.18983, MAM.18984, MAM.18985, MAM.18986, MAM.18987, MAM.18988, MAM.18989, MAM.18990, MAM.18991, MAM.18992, MAM.18993, MAM.18994, MAM.18995, MAM.18996, MAM.18997, MAM.18998, MAM.18999, MAM.19000, MAM.19001, MAM.19002, MAM.19003, MAM.19004, MAM.19005, MAM.19006, MAM.19007, MAM.19008, MAM.19009, MAM.19010, MAM.19011, MAM.19012, MAM.19013, MAM.19014, MAM.19015, MAM.19016, MAM.19017, MAM.19018, MAM.19019, MAM.19020, MAM.19021, MAM.19022, MAM.19023.

Egypt:

Unknown locality: **BMNH**: 1892.9.9.2, 1892.9.9.3, 1903.12.8.2, 1939.3744, 1976.1898, 1979.1390; **FMNH**: 85521; **MNHN**: ZM-AC-A6781, ZM-MO-1880-2038, ZM-MO-1880-2040; **RMNH**: MAM.27270, MAM.27274, MAM.27275; **SMF**: 12232, 12444, 12479, 12483, 1314, 892, 893; **SMNS**: 3608, 426; **YPM**: MAM 005537, MAM 005538, MAM 005575, MAM 005606, MAM 005607, MAM 005608, MAM 005609, MAM 005610, MAM 005611, MAM 005612, MAM 005613; **ZMB**: 348, 55182, 67233 - Abbassia (30 04 N 31 17 E, 45 m): **ZMA**: MAM.22162 - Abu Simbel (22 22 N 31 38 E, 193 m): **RMNH**: MAM.17668 - Ain El Furtaga (29 02 44 N 34 33 10 E): **NMP**: 90527, 90528 - Ain Hudra (29 30 46 N 34 03 25 E): **NMP**: 90520 - Aswan (2405N 3253E): **FMNH**: 143930, 143931 - Aswan Tombs (ca. 24 05 15 N 32 53 56 E): **YPM**: MAM 002818, MAM 005614, MAM 005615, MAM 005616, MAM 005617, MAM 005618, MAM 005619, MAM

014575, MAM 014576, MAM 014577, MAM 014578 - Cairo (30 03 00 N 31 15 00 E, 22 m): **BMNH**: 1903.12.8.1, 1903.12.8.3, 1903.12.8.4; **NMR**: 999000000863; **NMV**: C30212; **SAMA**: M4476.001, M4476.002; **SMF**: 12035, 25778, 25779, 25861, 25862, 25863, 25864; **ZMH**: 22062 - Cairo Citadel (30 03 00 N 31 15 00 E, 22 m): **FMNH**: 80748, 80749, 80750, 80751, 80752, 80753, 80754, 80755, 80756, 80757, 80758 - Cairo, near (ca. 29 58 N 31 07 E): **NMW**: 15203 - Dahshur (2945N 3114E, 21 m): **USNM**: 187266 - El Mansuriya (28 m): **FMNH**: 79163, 79164 - El Wilidiya (2712N 3110E, 35 m): **FMNH**: 87766, 87767, 87768 - El-'Aiyat (29 51 N 31 13 E, 19 m): **FMNH**: 85522 - Feiran (284307N 333713E): **NMP**: 90501, 90502, 90503, 90504, 90505, 90506, 90507, 90508, 90509, 90510, 90511 - Gezira Island (300324N 311319E): **MVZ**: 107713; **USNM**: 282381, 282382, 282383, 282384, 282385, 282386, 282387 - Giza (30 00 29 N 031 12 39 E, 22 m): **BMNH**: 1909.7.1.1, 1909.7.1.2, 1909.7.1.3, 1909.7.1.4; **MNHN**: A.69 (Allotype *Pteropus Egyptiacus*) - Giza Pyramid (29 59 N 31 08 E): **MNHN**: A.70 (Holotype *Pteropus Egyptiacus*) - Gizeh (30 05 10 N 31 12 44 E, 17 m): **FMNH**: 78591, 78592, 78593, 78594, 79150, 79151, 79152, 79153, 79154, 79155, 79156, 79157, 79158, 79159, 79160, 79161, 79162, 89707, 89708, 89826, 89827, 90461, 90462, 90463, 91390, 91391, 91392, 91393, 91394, 91395, 91396, 91397, 91398, 91399, 91400, 91401, 91402, 91403; **MCZ**: 6748, 6749; **OMNH**: 612, 8714, 8715; **USNM**: 294081, 294082, 294083, 294084, 294085, 294086, 294087, 294088, 294089, 294090, 294091, 294092, 294093, 312121, 312122, 312123, 312124, 312125, 312126, 312127, 312128, 312129, 312130, 312131, 312132, 312133, 312134, 312135, 312139, 312140, 341934, 368677, 368678, 368679, 368680, 368681, 368682; **YPM**: MAM 014982 - Ikingi Mariut (305933N 2946E, 23 m): **USNM**: 588754 - Isna (251736N 323314E): **FMNH**: 74494, 74495, 74496; **USNM**: 312136, 312137, 312138 - Luxor (25 41 N 32 39 E, 76 m): **FMNH**: 47772, 47773, 47774, 47775, 47776, 47777, 47778, 47779, 47780, 47781 - Luxor, near: **FMNH**: 49037, 49038, 49039, 49040, 49041, 49042, 49043, 49044, 49045 - Maréotis lake, SW of (31 09 27 N 29 54 16 E): **MNHN**: ZM-MO-1880-2039 - Medinet el Fayum: **ZMA**: MAM.16668 - Nag Hammadi, 16 km S (25 54 N 32 15 E): **YPM**: MAM 002854, MAM 002855, MAM 002856, MAM 002857, MAM 002858, MAM 002859 - Nag Misaw (22 22 N 31 42 E): **YPM**: MAM 002860, MAM 002861, MAM 002862, MAM 002863, MAM 002864 - no specific locality: **ZMB**: 10252, 10253, 10254 - North Egypt: **MCZ**: BOM-7330 - Sultan Hassan Mosque (30 03 00 N 31 15 00 E): **FMNH**: 12189, 31390, 31391, 31392, 31393, 31394, 31395; **SMF**: 22643, 22644, 22645, 22646, 22647, 22648, 22649, 22650, 22651, 22652, 22653, 22654, 22655, 22656, 22657, 22658, 22659, 22660, 22661; **ZMA**: MAM.22205, MAM.22206, MAM.22207, MAM.22208, MAM.22209, MAM.22210, MAM.22211.

Equatorial Guinea:

Mokula (01 03 N 11 10 E): **MSB**: 25220 - Mount Borg (01 53 N 10 17 E): **MSB**: 25219.

Ethiopia:

Unknown locality: **BMNH**: 1971.2441_1, 1971.2441_2, 1971.2441_3, 1971.2441_4, 1971.2445, 1972.4305, 1972.624_01, 1972.624_02, 1972.624_03, 1972.624_04, 1972.624_05, 1972.624_06, 1972.624_07, 1972.624_08, 1972.624_09, 1972.624_10, 1972.624_11, 1972.624_12, 1972.624_13; **SMF**: 49140, 49141, 49142, 49143, 49144, 49145 - Abaya lake, W bank (06 13 N 37 49 E): **MNHN**: ZM-MO-1972-480A, ZM-MO-1972-480B - Abyssinia: **ZMB**: 54903 - Addis Abeba (09 02 00 N 38 42 00 E, 2362 m): **MNHN**: ZM-MO-1983-1274 - Baro: **SMNS**: 29798 - Barzala CavE (ca. 0920N 4205E): **AMNH**: 48056, 48057, 48058 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **BMNH**: 1971.2438, 1971.2438_1, 1971.2438_2, 1971.2438_3, 1971.2439; **USNM**: 462679, 497487 - Didessa River (ca. 09 57 N 35 41 E, 1190 m): **SMF**: 41830, 41831 - Didessa settlement (09 02 N 36 09 E): **USNM**: 462680, 462775 - Dorsey (06 17 N 37 33 E, 2923 m): **SMF**: 47999, 48000 - Gambela (08 15 N 34 35 E, 514 m): **SMF**: 44837; **USNM**: 462681 - Gambela, 15 km E: **SMNS**: 29799, 29808 - Ginir, 30 mi [=48 km] N (0706N 4039E, 1951m): **ROM**: 71808, 71809, 71810, 71826, 71827, 71836, 71840, 71854, 71855, 71860, 71861, 71863, 71864, 71870, 71871, 71872, 71874, 71879, 71881, 71887, 71888, 71889, 71890, 71891, 71892, 71893, 71896, 71897, 71902, 71903, 71904, 71908, 71909, 71910 - Gojeb River: **SMF**: 45116 - Jimma (07 40 N 36 50 E, 1753 m): **SMF**: 44867 - Koffolé (07 04 N 38 47 E, 2505 m): **MNHN**: ZM-MO-1972-481 - Lake Abaya, West shore (0615N 3755E): **MNHN**: ZM-MO-1972-480.

Gabon:

Anengué Lake (01 08 29 S 09 29 29 E): **MNHN**: ZM-MO-1950-825 - Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-1950-875, ZM-MO-1983-1244, ZM-MO-1983-1246; **ZMA**: MAM.20665, MAM.20666 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-MO-1983-1242, ZM-MO-1983-1245, ZM-MO-1983-1247, ZM-MO-1983-1248, ZM-MO-1983-1255, ZM-MO-1983-1256, ZM-MO-1983-1257, ZM-MO-1983-1258, ZM-MO-1983-1493, ZM-MO-1983-1494, ZM-MO-1985-1600, ZM-MO-1985-1601; **ZMA**: MAM.06841, MAM.07928, MAM.07929, MAM.07932, MAM.07946, MAM.07948, MAM.08703, MAM.08704, MAM.20667, MAM.20668, MAM.20675, MAM.20676, MAM.20677, MAM.20678, MAM.20679, MAM.20680, MAM.22123 - Bélinga, confer (ca. 01 08 N 13 07 E): **MNHN**: ZM-MO-1983-1243 - Grottes de Massa (01 07 N 13 09 E): **MNHN**: ZM-MO-1985-1599 - Lastoursville (004900S 124200E, 206 m): **MNHN**: ZM-MO-1947-216 - Libreville, 20 km from (ca. 00 23 N 09 27 E): **EBD**: MAM 8815 - Makokou, near (ca. 00 34 26 N 12 51 51 E): **MNHN**: ZM-MO-1983-1249, ZM-MO-1983-1250, ZM-MO-1983-1251, ZM-MO-1983-1252, ZM-MO-1983-1253, ZM-MO-1983-1254.

Ghana:

Unknown locality: **BMNH**: 1975.532 - Accra (05 33 00 N 01 13 00 W, 98 m): **WAM**: M21216, M21217 - Agogo, 1 mi W: **BMNH**: 1961.1594 - Anima Krom (045012N 020446W, 73 m): **USNM**: 411238 - Forest Reserve Ksi, town 5 km from (ca. 06 40 N 01 36 W): **ROM**: 49089, 49090 - Konkori, NE escarpment top (ca. 0940N 0145W): **AMNH**: 237404 - Kumasi (064100N 013700W): **BMNH**: 1950.1502, 1950.1503 - Subinja (07 44 N 02 04 W, 290 m): **USNM**: 414689, 414690, 414691, 414692, 414693, 414694 - Yabraso (0804N 0147W): **USNM**: 424659.

Guinea:

Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0279 - Fouta-Djallon (113000N 123000W, 950 m): **MNHN**: ZM-MO-1911-1719 - Fressoudou (09 08 00 N 08 54 00 W): **MNHN**: ZM-2012-497, ZM-2012-498, ZM-2012-499, ZM-2012-506, ZM-2012-507, ZM-2012-535, ZM-2012-536, ZM-2012-537, ZM-2012-538, ZM-2012-539, ZM-2012-540, ZM-2012-541, ZM-2012-542, ZM-2012-543, ZM-2012-544 - Gbaolé (07 26 30 N 09 14 34 W, 482 m): **MNHN**: ZM-2012-519, ZM-2012-520, ZM-2012-521, ZM-2012-522, ZM-2012-523, ZM-2012-524 - Kankasili (10 11 N 12 29 W): **ZMA**: MAM.10739, MAM.10869, MAM.10871, MAM.10874, MAM.10876, MAM.10878, MAM.10880, MAM.10881, MAM.10882, MAM.10884 - Mount Nimba (073700N 082500W): **MNHN**: ZM-MO-1985-31 - Mount Nimba? (073700N 082500W): **MNHN**: ZM-MO-1985-30 - Samedou: **MNHN**: ZM-2012-500, ZM-2012-501, ZM-2012-502, ZM-2012-503, ZM-2012-504, ZM-2012-505 - Sérédou (08 22 56 N 09 17 59 W): **MNHN**: ZM-MO-1970-463 - Soumba o Dubreka (094728N 133124W, 74 m): **EBD**: MAM 22282, MAM 22283 - Zié cave (ca. 07 44 N 08 22 W): **MNHN**: ZM-MO-1985-1112, ZM-MO-1985-1113, ZM-MO-1985-1114 - Zogota (mine) (ca. 07 53 10 N 09 01 24 W): **MNHN**: ZM-2012-508, ZM-2012-509, ZM-2012-510, ZM-2012-511, ZM-2012-512, ZM-2012-513, ZM-2012-514, ZM-2012-515, ZM-2012-516, ZM-2012-517, ZM-2012-518.

Kenya:

Unknown locality: **BMNH**: 1909.6.12.1, 1909.6.12.2, 1974.573_1, 1974.573_2, 1974.573_3, 1974.573_4, 1974.573_5, 1975.2416, 1975.2416_1, 1975.2416_2, 1975.2418, 1975.2419, 1975.2419_1, 1975.2419_2, 1975.2420, 1975.2421, 1975.2839_1, 1975.2839_2, 1975.2841_1, 1975.2841_2, 1975.2841_3, 1988.204, 1988.205, 1988.206, 1988.207, 1988.208, 1988.209; **FMNH**: 215397, BDP-4535, BDP-5503; **RMNH**: MAM.45959, MAM.45960, MAM.45961, MAM.45962, MAM.45963, MAM.45964, MAM.45965, MAM.45966, MAM.45967, MAM.45968, MAM.45969, MAM.45970, MAM.45971, MAM.45972, MAM.45973, MAM.45974; **WAM**: M16568; **YPM**: MAM 005588, MAM 005589; **ZMA**: MAM.26077 - Bahati [policepost] (00 09 00 S 36 07 00 E, 7500ft): **AMNH**: 184437, 184438, 184439, 184440, 184441, 184442, 184443, 184444, 184445; **KU**: 151335 - Baringo, lake (003400N 360100E, 3000 ft): **ROM**: 38272, 65866 - Diani Forest (04 20 S 39 32 E): **ZMA**: MAM.20895 - Donyo Sabuk (01 08 S 37 16 E): **ROM**: 63883 - Elgon Caves (00 52 N 34 27E, 1951 m): **AMNH**: 30774, 30775, 30776 - Gedeh: **LACM**: 45627 - Kampi Ya Samaki (003600N 360100E, 1006 m): **USNM**: 436377, 436378 - Kampi Ya Samaki (003600N 360100E, 1067 m): **ROM**: 68477, 68478, 68479, 68480, 68481 - Kampi Ya Samaki (003600N 360100E, 1219 m): **ROM**: 68472 - Kampi Ya Samaki (003600N 360100E, 914 m): **ROM**: 68621, 68622, 68623, 68624, 68625, 68626, 68627, 68628, 68667, 68668, 68669, 68670 - Kiboko (02 11 00 S 37 43 00 E, 945 m): **USNM**: 436365 - Kibwesi (0225S 3758E, 1000 m): **ZMB**: 67227 - Kilifi (0338S 3951E): **ROM**: 59259, 59260, 59261 - Kitum cave (01 07 N 34 40 E, 2134 m): **SMF**: 40640, 40641, 40650, 40651, 40665 - Kitum caves (01 07 N 34 40 E, 2134 m): **ROM**: 65532, 65533, 65534, 65535, 65536, 65537, 65538, 65539, 65540, 65541, 65542, 65543, 65544, 65545, 65546, 65547, 65548, 65549, 65550, 65551, 65552, 65553, 65554, 65555 - Kongelai (0128N 3502E, 1350 m): **ROM**: 38273 - Kongelai Escarpment (0128N 3501E): **LACM**: 51543 - Lake Baringo Escarpment: **LACM**: 51540, 51541, 51542 - Makandara Forest (ca. 04 15 S 39 23 E): **ZMA**: MAM.20894 - Makandara picnic site (04 15 S 39 23 E): **MCZ**: 59760, 59869 - Mida: **LACM**: 45628 - Moana Marine Station (0418S 3935E): **MCZ**: 59758 - Mombasa, 22 mi N (ca. 040300S 394000E): **USNM**: 351200 - Mount Elgon Caves (00 52 N 34 27E, 1951 m): **ROM**: 37257 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 2438 m): **ROM**: 44264, 44265, 44266 - Mukanda Bridge (ca. 04 10 S 39 27 E): **ZMA**: MAM.21698, MAM.21699 - NE base along the Wei Wei River: **LACM**: 36462, 36463, 36464, 36465, 36466, 36467, 36468, 36469, 36470, 36471, 36472, 36473 - Ngangas Forest (0322S 3821E): **MCZ**: 60084 - Nguruman Escarpment (0145S 3602E, 610 m): **ROM**: 71362, 71363, 71364, 71365, 71366, 71389, 71390, 71391 - North Cherangani (0100N 3514E, 1981 m): **ROM**: 38041, 38042, 38043, 38044, 38047, 38048 - Rift Valley [former] province: **SMF**: 40865 - Saboti (005600N 345000E, 1951 m): **ROM**: 35853, 35866, 35903, 35904, 35905 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **RMCA**: 35250, 35251, 35252; **ROM**: 79671, 85736, 85737, 85738, 85739, 85740, 85741 - Shimoni cave (04 38 50 S 39 23 00 E, 0 m): **ROM**: 46957, 46958, 46959, 46960; **SMF**: 40637, 40638, 40639 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 40191, 40192, 40193, 40194 - Similani cave (04 07 49 S 39 36 51 E, 31 m): **AMNH**: 237319, 237320, 237377; **ROM**: 81259 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **ZMA**: MAM.20889, MAM.20890, MAM.20891, MAM.20892, MAM.20893 - Subukia (0001S 3611E, 2134 m): **FMNH**: 86514, 86515, 86516, 86517, 86518, 86519, 86520 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **ZMA**: MAM.20896 - Tiwi, 1 km N (ca. 04 14 S 39 34 E): **MCZ**: 59759 - Ukunda: **LACM**: 37783 - Vipingo (0349S 3948E, 99 m): **ROM**: 66702, 66708, 66709, 66710, 66711, 66712, 66713, 66714, 66715, 66716, 66717, 66718, 66719, 66720, 66721, 66722, 66723, 66724, 66725, 73480, 73481, 73482, 73483, 73484, 73485, 73486, 73487, 73488, 73489, 73490, 73491 - Vipingo cave (0349S 3948E): **ROM**: 36211, 36212, 36213, 36214, 36215, 45917, 77962, 77963, 77964, 77965, 77966, 77967, 77968, 77969; **USNM**: 350795, 350796, 350797, 350798, 350799, 350800 - Vipingoni (0349S 3948E): **FMNH**: 152365, 152366, 152367 - Vipingoni cave (0349S 3948E): **FMNH**: 152368, 152369, 152370, 152371, 152372, 152373, 152374, 152375, 152376; **TTU**: 8294; **WNMU**: 6179 - Watamu (03 21 S 40 01 E, 0 m): **ZMA**: MAM.20882, MAM.20883, MAM.20884, MAM.20885, MAM.20886, MAM.20887, MAM.20888 - Watamu Beach (03 21 S 40 01 E, 0 m): **ROM**: 79670 - West Lands (0116S 3648E, 1768 m): **ROM**: 41782, 41783, 41784 - Westwood Park Hotel (01 24 00 S 36 38 00 E): **ZMA**: MAM.21697.

Liberia:

Unknown locality: **BMNH**: 1977.354_1, 1977.354_2, 1977.354_3, 1977.354_4, 1979.404, 1979.405; **SMF**: 87697 - Fapé (07 13 50 N 09 17 04 W, 360 m): **MNHN**: ZM-2012-525, ZM-2012-526, ZM-2012-527, ZM-2012-528, ZM-2012-529, ZM-2012-530, ZM-2012-531, ZM-2012-532, ZM-2012-533, ZM-2012-534 - Gabagea River: **AMNH**: 265605, 265606, 265607, 265610, 265611, 265612, 265613, 265614, 265615, 265616, 265617, 265618, 265627, 265628, 265629, 265630, 265631, 265632, 265633, 265634, 265635, 265636, 265637, 265638 - Iti: **RBINS**: 16109, 16110, 16111, 16113, 16115 - Iti Riviere: **RBINS**: 16106 - Kluga (082701N 094319W, 568 m): **AMNH**: 257003 - Mount Nimba (07 30 00 N 08 30 00 W): **RBINS**: 16104, 16105 - Ngilima (080512N 100736W, 433 m): **AMNH**: 257001, 257002 - Nimba East (ca. 0741N 0822W): **RBINS**: 16107 - Nimba West (ca. 0741N 0822W): **RBINS**: 16108, 16112, 16757 - Yekepa: **RBINS**: 16746, 16747, 16748 - Ziggida, 10.5 km N, 1 km E: **AMNH**: 265593, 265594, 265595, 265596, 265597, 265598, 265599, 265600, 265601, 265602, 265603, 265604, 268301 - Ziggida, 10.5 km N, 1 km E (450 m): **AMNH**: 265619, 265620, 265621, 265622, 265623, 265624, 265625, 265626 - Ziggida, 13 km N, 1 km E: **AMNH**: 265608, 265609.

Malawi:

Kafikisira village (09 56 00 S 33 53 00 E): **WAM**: M41388 - Lengwe National Park, near pool along link road, Tourist Camp, 3 km W (16 14 S 34 35 E): **ZMA**: MAM.26144, MAM.26145, MAM.26146, MAM.26147 - Likabula river (16 01 00 S 34 47 00 E, 1200 m): **MCZ**: 43833 - Liwonde (15 04 S 35 13 E, 507m): **WAM**: M41163, M41175 - Mulanje (15.93S 35.62E): **KM**: 11753 - Mwalingo (0940S 3332E, 1460 m): **FMNH**: 196616 - Mwamyesya banana plantation (09 56 00 S 33 48 00 E): **WAM**: M41432 - Mwandwanga banana plantation (09 55 00 S 33 52 00 E): **WAM**: M41405, M41406.

Mali:

Falea (12 15 51 N 11 16 38 W, 459 m): **DNSM**: 13417.

Mozambique:

Chemezi (18.75S 33.0E): **NHMZ**: 27455 - Chemezi (1852S 3307E): **TM**: 13686, 13687 - Cheringoma Caves (18 33 53 S 034 52 19 E): **DNSM**: 8659 - Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8648, 8649, 8660 - Meponda (13 24 05 S 34 52 14 E, 590 m): **DNSM**: 8661 - Murabue (152428S 370430E, 1111 m): **FMNH**: 177090, 177211 - Murabue (152428S 370430E, 1130 m): **FMNH**: 177091, 177092, 177093, 177094, 177095, 177096, 177097, 177212 - Ribaue, 27 km W (14 58 15 S 38 04 46 E, 587 m): **DNSM**: 8647 - Sofala province: **SMF**: 89144.

Nigeria:

Jos (09 55 N 08 54 E, 1217 m): **ZMA**: MAM.18406, MAM.18407, MAM.18408, MAM.18409 - Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 79207, 83986, 83987, 83992, 83993, 83999, 84062.

Rwanda:

Gisenyi (014115S 291517E, 1450 m): **RMCA**: 80.055-M-0065, 80.055-M-0066, 80.055-M-0067; **ZMA**: MAM.21243, MAM.21244, MAM.21245, MAM.21246, MAM.21247, MAM.21364 - Kibuye (020320S 292059E, 1457 m): **RMCA**: 80.055-M-0059, 80.055-M-0060, 80.055-M-0061 - Kidaho (012212S 294433E, 1944 m): **RMCA**: 87.046-M-0001, 87.046-M-0002, 87.046-M-0003, 87.046-M-0004, 87.046-M-0005, 87.046-M-0038, 87.046-M-0039, 87.046-M-0061,

87.046-M-0062 - Kitabi (023130S 292517E): **RMCA**: 82.006-M-0033 - Musanze (01 28 57 S 29 36 03 E): **RBINS**: 15485.1, 15485.2; **RMCA**: 80.055-M-0053, 80.055-M-0054, 80.055-M-0055, 80.055-M-0056, 80.055-M-0057, 80.055-M-0058, 80.055-M-0068, 80.055-M-0069, 80.055-M-0070, 80.055-M-0071, 80.055-M-0072, 82.006-M-0003, 82.006-M-0004, 82.006-M-0005, 82.006-M-0006, 82.006-M-0007, 82.006-M-0008, 82.006-M-0009, 82.006-M-0010, 82.006-M-0011, 82.006-M-0012, 82.006-M-0013, 82.006-M-0014, 82.006-M-0015, 82.006-M-0016, 82.006-M-0017, 82.006-M-0018, 82.006-M-0019, 82.006-M-0020, 82.006-M-0021, 82.006-M-0022, 82.006-M-0023, 82.006-M-0024, 82.006-M-0025, 82.006-M-0026, 82.006-M-0027, 82.006-M-0028, 82.006-M-0029, 82.006-M-0030, 82.006-M-0032, 87.046-M-0006, 87.046-M-0007, 87.046-M-0008, 87.046-M-0009, 87.046-M-0010, 87.046-M-0011, 87.046-M-0012, 87.046-M-0013, 87.046-M-0014, 87.046-M-0015, 87.046-M-0016, 87.046-M-0017, 87.046-M-0018, 87.046-M-0019, 87.046-M-0020, 87.046-M-0021, 87.046-M-0022, 87.046-M-0023, 87.046-M-0024, 87.046-M-0025, 87.046-M-0026, 87.046-M-0027, 87.046-M-0028, 87.046-M-0029, 87.046-M-0030, 87.046-M-0031, 87.046-M-0032, 87.046-M-0033, 87.046-M-0034, 87.046-M-0035, 87.046-M-0036, 87.046-M-0037, 87.046-M-0040, 87.046-M-0041, 87.046-M-0042, 87.046-M-0043, 87.046-M-0044, 87.046-M-0045, 87.046-M-0046, 87.046-M-0047, 87.046-M-0048, 87.046-M-0049, 87.046-M-0050, 87.046-M-0051, 87.046-M-0052, 87.046-M-0053, 87.046-M-0054, 87.046-M-0055, 87.046-M-0056, 87.046-M-0057, 87.046-M-0058, 87.046-M-0059, 87.046-M-0060 - Nyamata (020945S 300601E): **RMCA**: 82.006-M-0034 - Nyundo (014147S 300137E, 1594 m): **RMCA**: 80.055-M-0052, 80.055-M-0062, 80.055-M-0063, 80.055-M-0064 - Ruhengeri (01 30 15 S 29 38 09 E, 1772 m): **MHNG**: 1872.067, 1872.068, 1872.069; **SMF**: 66863, 66864, 66865; **ZMA**: MAM.21248, MAM.21249, MAM.21250, MAM.21251, MAM.21252, MAM.21253, MAM.21254, MAM.21255 - Rukira (021300S 303500E, 1709 m): **RMCA**: 82.006-M-0035 - Tamira (013400S 292200E): **RMCA**: 82.006-M-0031 - Uwinka (02 28 00 S 29 12 00 E, 2512 m): **RMCA**: 82.006-M-0002.

São Tomé and Principé:

Generosa (ca. 800 m): **SMTD**: 16753 (Holotype *Rousettus aegyptiacus thomensis*) - Praia da Mutamba, 50 m inland coast road (0024N 0636E): **CAS**: 26832, 26854.

Senegal:

Unknown locality: **FMNH**: 128205; **RBINS**: 12452 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1995-615, ZM-MO-1995-616 - Diabane (1233N 1605W): **FMNH**: 128203, 128204 - Lagbar, 10 km S (15 45 N 14 50 W): **MNHN**: ZM-MO-1995-612, ZM-MO-1995-613, ZM-MO-1995-614.

Sierra Leone:

Unknown locality: **BMNH**: 1954.909, 1961.2, 1961.4, 1962.1765, 1962.339, 1962.340; **USNM**: 502808, 502809, 502810, 502811, 502812, 502813, 502814, 502815, 502816, 502817, 502818, 502819, 502820, 502821, 502822, 502823, 502824, 502825, 502826, 502827, 502828, 502829, 502830, 502831, 502832, 502833, 502834, 502835, 502836, 502837, 502838, 502839, 502840, 502841, 502842, 502843, 502844, 502845, 502846, 502847, 502848, 502849, 502850, 502851, 502852, 502853, 502854, 502855, 502856, 502857, 502858, 502859 - Aberdeen Village (082933N 131704W, 0 m): **ROM**: 77483 - Freetown (0830N 1315W): **ROM**: 60670 - Hamilton Village (082255N 131535W, 60 m): **ROM**: 77647 - Mount Aureol (0829N 1313W, 366 m): **ROM**: 56486 - Musaia (09 45 00 N 11 34 00 W, 423 m): **BRTC**: 20907 - Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 546950 - Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 546951 - Panguma, 10 mi N (0817N 1106W): **USNM**: 463116, 463117, 463118, 463300, 463301, 463302, 463303, 463304, 463305, 463306.

South Africa:

Unknown locality: **BMNH**: 1837.4.28.33, 1837.4.28.38, 1837.4.28.40, 1837.4.28.67, 1846.6.18.2, 1873.12.8.5; **MCZ**: 25175; **RMNH**: MAM.38129, MAM.38130; **SMF**: 891 (Paratype *Pteropus Leachii*) - Albany District (33.3S 26.52E): **KM**: 32579 - Alexandria (33.5S 25.75E): **KM**: 20056 - Amanzimtoti (30 03 00 S 30 52 48 E, 16 - 83 m): **ZMA**: MAM.21155 - Anthrax camp (222530S 311230E): **TM**: 36849, 37263, 37264, 37265, 37266, 38076, 38077 - Bat's Cave (33 02 45 S 27 52 05 E, 0 m): **ZMA**: MAM.20708, MAM.20709, MAM.20710, MAM.20711 - Bedford (32.65S 26.18E): **TM**: 32580 - Buzzard Mountain Sanctuary (23 02 S 29 46 E, 1008 - 1542 m): **TM**: 41656, 41657 - Cape: **BMNH**: 1843.12.7.21; **SMF**: 12430, 12432; **SMNS**: 4002, 5 - Cape of Good Hope: **ZMB**: 2553, 350, 351 - Cape Town (33 55 00 S 18 25 00 E, 6 m): **BMNH**: 1875.11.3.2 (Cotype *Pteropus Leachii*), 1875.8.9.1, 1937.4.28.33, 1937.4.28.34, 1937.4.28.38, 1937.4.28.40, 1937.4.28.67 - Cape Town, Rondebosch (3400S 18.38E): **NHMZ**: 62006 - Culling camp (22 25 40 S 31 15 15 E): **TM**: 36680, 36681, 36682, 36683, 36684, 36685, 36686, 36687, 36688, 36689, 37283, 37284, 37829, 37830, 37831, 37832 - De Hoek, Skeleton Cave (3340S 2215E): **TM**: 13521, 13522, 13523, 13524, 13525, 13526 - Durban (29 51 00S 31 01 00 E, 27 m): **DNSM**: 7536 - East London (33.15S 21.92E): **KM**: 19090 - East London (3300S 2754E): **TM**: 34327 - Eastern Cape province: **DNSM**: 14797, 14798, 14800, 14805 - Farm Malta (2410S 3015E): **TM**: 27562 - Fig Tree Camp (22 26 00 S 31 11 00 E): **TM**: 36548, 36597, 36598, 36599, 36600, 36601, 36620, 36621, 36622, 36623, 36624, 36761, 36762, 36763, 36764, 36765, 36785, 36786, 36787, 36855, 36856, 36858, 36859, 36860, 36861, 36862, 36863, 36872, 36926, 36932, 36949, 36950, 36951, 36952, 36953, 36954, 36955, 36956, 36957, 36988, 36989, 36990, 36991, 36992, 36993, 36994, 36995, 36996, 36997, 36998, 37063, 37064, 37277, 37278, 37279, 37418, 37419, 37420, 37421, 37422, 37423, 37424, 37425, 37426, 37427, 37428, 37652, 37653, 37654, 37744, 37745, 37891, 37892, 37893, 37894, 37895, 37896, 38078, 38079, 38080, 38081, 38082, 38083, 38084, 38085, 38163, 42002 - Fig Tree camp (2226S 3111E): **TM**: 36102, 36103, 36104, 36105, 36106 - Fig Tree Camp, downstream left hand bank (2225S 3115E): **TM**: 37665 - Fig Tree Camp, left hand bank (2225S 3115E): **TM**: 37662, 37663, 37664, 37666, 37667 - Fig Tree Forest (22 26 00 S 31 11 00 E): **KNP**: 158, 159, 160; **TM**: 37124 - Fig Tree Forest (222530S 311130E): **TM**: 37104, 37105, 37106, 37107, 37109, 37110, 37111 - Hankey (33.82S 24.85E): **KM**: 1603 - Hlabisa (28.18S 31.95E): **KM**: 23583 - Humansdorp (33.98S 23.65E): **KM**: 26320 - Jonkershoek Nature Reserve (33 57 44 S 18 55 37 E, 200 m): **DNSM**: 5492, 5493, 5494, 5495 - Kaap provincie [=Cape province]: **MCZ**: 6471 - King Wlillam's Town (32.87S 27.37E): **KM**: 1576 - Knysna (34.03S 23.05E): **KM**: 26322; **NHMZ**: 29633; **SAMC**: 10129 - Knysna (340200S 230200E): **BMNH**: 1905.5.7.10, 1905.5.7.11, 1905.5.7.12, 1905.5.7.5, 1905.5.7.6, 1905.5.7.7, 1905.5.7.8, 1905.5.7.9 - Knysna (3402S 2303E): **TM**: 1064, 1065, 1066, 1067, 1068, 16662, 16663, 984, 985, 986, 987, 988, 989 - Kruger NP, Mockford's orchard, on Levubu River (2226S 3119E): **SNP**: CHIR. NKW 116, CHIR. NKW 119 - Lanner Gorge cave (2307S 3022E): **TM**: 36540, 36541, 36542, 36543 - Ledzee Estates (23 51 S 30 14 E): **TM**: 40992 - Letsitele (23 53 20 S 30 23 17 E, 557 m): **TM**: 14055, 14056, 14057 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 30504, 30505, 30506, 30516, 30517, 30525, 30543, 30544, 34201, 34202, 34203, 34204, 34205, 34206, 34207, 34208, 34209, 34214, 34215, 34216, 34217, 34234, 34235 - Levuvhu River (2226S 3111E): **TM**: 36430, 36444, 36445, 36446, 36447, 36448, 36449, 36450, 36458, 36459 - Little Mowbray (33 56 49 S 18 29 04 E): **KU**: 163982 - Manxeba windmill (22 24 S 31 14 E): **TM**: 37209, 37210, 37211, 37228, 37229, 37230, 37746, 37867, 37868 - Matlapitsi Caves (24 10 S 30 06 E): **TM**: 25303, 25304, 25305, 25306, 25307, 25308, 25309, 25310, 25311, 25312, 25313, 25314; **ZMA**: MAM.21015, MAM.21016, MAM.21017, MAM.21018, MAM.21019, MAM.21059, MAM.21060, MAM.21061, MAM.21062, MAM.21063 - Matlepits Valley (2407S 2937E): **TM**: 12960 -

Mission Rocks (28 15 36 S 32 29 48 E, 4 m): **DNSM**: 6788, 6797; **KU**: 135854 - Mission Rocks Bat Cave (28 16 S 32 30E, 0 m): **DNSM**: 4438, 4441, 4446; **KU**: 135029, 135853; **TM**: 27466, 27467, 27468, 27469, 35353, 35354, 35355, 35356, 35357, 35358, 35359, 35360, 35361, 35362, 35363, 35364, 35365, 35366, 43854 - Nahoon Point, 5 km S, 7.5 km W (33 02 45 S 27 52 05 E): **MSB**: 47956 - Ngodwena (2537S 3037E): **TM**: 47090 - Old Culling camp (2225S 3115E): **TM**: 37205, 37206, 37207, 37208, 37716, 37717, 37718, 37719, 37720, 37721 - Old Fig Tree Forest (2225S 3111E): **TM**: 42003 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 37070, 37071, 37088, 37089, 37090 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 29859, 29870, 29878, 47146, 47147, 47148, 47149, 48492, 48521, 48522, 48564, 48565, 48566, 48574, 48575, 48580 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 36544, 36545, 36546, 36547, 36585, 36586 - Pafuriv area (II) (22 27 S 31 18 E): **KNP**: 116, 119 - Pirie Forest (324300S 271700E): **AMNH**: 146781 - St.Lucia (2816S 3229E): **TM**: 33366, 33367 - Stellenbosch (335600S 185100E, 91 m): **AMNH**: 244294, 244295 - Stellenbosch Flats: **SMF**: 11349, 11350 - Stutterheim (32.65S 27.53E): **KM**: 1575 - Tafelberg (33 57 43 S 18 24 35 E): **SMF**: 22015, 22016, 22017, 22018, 22019, 22020 - The Downs (2408S 3011E): **TM**: 27558, 27560 - Umlalazi Nature Reserve (28 57 49 S 31 46 08 E, 10 m): **DNSM**: 5084, 5085 - Wynberg Hill (3400S 18.38E): **SAMC**: 19451a.

South Sudan:

Bangangai Game Reserve, location 4 (04 53 43 N 27 42 44 E, 685 m): **USNM**: 587237 - Gilo area (ca. 040218N 325043E): **FMNH**: 108130, 108131, 108132, 108133 - Gilo, 5 mi S (0402N 3251E): **FMNH**: 108134, 108135 - Imatong mountains (040600N 325100E): **FMNH**: 81546 - Jebel Goumia (0405N 3236E, 1981 m): **FMNH**: 74154, 74155, 74156, 74157, 74158, 74159, 74160, 74161, 74162, 74163, 74164, 74165, 74166, 74167, 74168, 74169, 74170, 74171, 74172, 74173, 74174 - Talanga Forest (0400N 3244E): **SMNS**: 29805.

Sudan:

Khartoum (15 35 17 N 32 32 03 E, 377 m): **SMNS**: 674.

Tanzania:

Unknown locality: **BMNH**: 1986.164, 1986.165, 1986.166, 1986.167, 1986.168, 1986.169, 1986.170, 1986.171, 1986.172; **SMF**: 79652, 79653, 81215, 81216, 87307 - Bukoba (01 19 54 S 31 46 44 E, 1250 m): **ZMB**: 10233, 10234, 54199, 54200, 54522, 67230, 67231, 67239, 67240 - Bulwa Tea Estate (050000S 383800E, 1000 m): **FMNH**: 150053 - Chita, 1.7 km N, 3.5 km W (0830S 3554E, 910 m): **FMNH**: 155481, 155482, 155665, 155666 - Chita, 3 km N (0831S 3556E, 300 m): **FMNH**: 153924 - Dayte cave (0603S 3922E, 28 m): **FMNH**: 198041, 198042, 198043, 198044, 198045, 198117, 198118, 198119, 198120, 198121 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 870 m): **FMNH**: 150052, 150054, 150408 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 151158 - Fondo Island (050300S 3939E): **MCZ**: 33172, 33173, 33174, 33175 - Juani village (0759S 3947E, 10 m): **FMNH**: 187356, 187357, 187358, 187359, 187410, 187411 - Kibata: **SMNS**: 2874, 2875 - Kindoroko Forest Reserve (0346S 3739E, 1688 m): **FMNH**: 192675 - Kiwengwa, near (ca. 0559S 3923E, 16 m): **FMNH**: 198040 - Kua: **BMNH**: 1964.1313, 1964.1314 - Kulumuzi caves (0504S 3906E): **MNHN**: ZM-MO-1911-725A, ZM-MO-1911-725B, ZM-MO-1911-725C, ZM-MO-1911-725D, ZM-MO-1911-726A, ZM-MO-1911-726B - Mafia Island (07 51 14 S 39 46 49 E): **SMF**: 79651, 82518 - Mahenge Scarp Forest Reserve (0837S 3643E, 780 m): **FMNH**: 182606 - Makoa: **SMNS**: 4151, 4152, 4153, 4154, 4155, 4156, 4157, 4158, 4159, 4160 - Maziwangombe (0459S 3952E): **MCZ**: 33169, 33170, 33171 - Mkulumsi (0504S 3906E): **MNHN**: ZM-MO-1913-22 - Mlola Forest (0753S 3951E, 20 m): **FMNH**: 187355, 187409 - Morogoro region: **SMF**: 66929, 66930, 66931, 82519, 86782, 89031 - Ngezi Forest (0456S 3942E, 32 m): **FMNH**: 192846 - Nyambiza Village (06 12 S 39 20 E, 30 m): **FMNH**: 198104, 198122 - Nyumbanitu Forest (0751S 3622E, 1400 m): **FMNH**: 169523 - Pangani river (0930S 3527E): **ZMB**: 5603 - Pemba island (05 10 S 39 48 E): **MCZ**: 33168 - Pwani region: **SMF**: 66932, 66936, 66937, 75870, 75882, 79650 - Rungwe District (09 15 00 S 33 40 00 E, 5000 ft): **RMCA**: 96.037-M-7153, 96.037-M-7154, 96.037-M-7155, 96.037-M-7156, 96.037-M-7157 - Songo Songo Island (08 31 S 39 29 E): **FMNH**: 183007 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ROM**: 68473, 77973; **ZMB**: 10128, 10129, 10130, 54369 - Tanga region: **SMF**: 79649, 82482, 82483, 83499, 85511, 85531, 86374, 86375, 86376, 86681, 88503, 88504, 88505 - Tanga, hole/cave near (ca. 0504S 3906E): **ZMB**: 10226, 10228, 10229, 10230, 10231 - Udzungwa National Park (0831S 3556E, 1100 m): **FMNH**: 158584, 158622 - Usambara mountains (044500S 383000E): **MNHN**: ZM-MO-1895-390, ZM-MO-1895-391, ZM-MO-1895-392, ZM-MO-1895-393, ZM-MO-1897-1511A, ZM-MO-1897-1511B - Zanzibar (06 10 S 39 20 E): **ZMB**: 67232.

The Gambia:

Basse: **BMNH**: 1949.462.

Togo:

Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.009-M-0445, 73.009-M-0494, 73.011-M-0635 - Fazao (08 42 00 N 00 47 00 E, 593 m): **RMCA**: 73.011-M-0421, 73.011-M-0422, 73.011-M-0423, 73.011-M-0424, 73.011-M-0425, 73.011-M-0426, 73.011-M-0636, 73.011-M-0637, 73.011-M-0638, 73.011-M-0639, 73.011-M-0640, 73.011-M-0641, 73.011-M-0642, 73.011-M-0643.

Uganda:

Unknown locality: **BMNH**: 1962.1990, 1962.1991, 1962.1992, 1962.1993, 1962.1994, 1962.1995, 1962.1996, 1962.464, 1962.465, 1964.80, 1964.81, 1964.82, 1964.83, 1976.783 - Bumbo (005140N 342353E, 1489 m): **AMS**: M.29668 - Bundimusuba: **LACM**: 51539 - Bwamba Forest (0140N 3130E): **LACM**: 31780 - Byumba (0056S 2942E, 1540 m): **FMNH**: 160254, 160255, 160256, 160257, 160258, 160259, 160262 - Echuya Forest Reserve (0118S 2950E, 2380 m): **FMNH**: 161008 - Kibale Forest (0029N 3023E): **LACM**: 51512 - Lake Kamuzuku 2 (00 15 54 S 30 09 25 E): **FMNH**: 224551, 224552, 224553 - Lake Nabugabo: **BMNH**: 1934.6.2.2, 1934.6.2.3 - Mount Elgon: **BMNH**: 1910.4.1.8, 1924.6.10.1, 1925.10.19.1, 1925.10.19.3, 1925.10.19.4, 1925.10.19.5 - Ngoto Swamp (0053S 2944E, 1500 m): **FMNH**: 160260 - Ntandi (004800N 300900E): **LACM**: 51513, 51514, 51538 - Nteko Parish (01 02 16 S 29 36 E, 1600 m): **FMNH**: 160261 - Ruhizha area: **LACM**: 51544 - Sebei College, cave 2 mi [= 3.2 km] SW (ca. 012258N 343128E): **CAS**: 24640 - Sipi (011835N 342227E, 1791 m): **MCZ**: 31125, 31128, 31129, 31130, 31131, 31132 - Sipi cave (011835N 342227E, 1791 m): **ROM**: 68692.

Zambia:

Unknown locality: **SMF**: 86442, 86443, 86444, 86445, 86446 - Chilanga (15 33 00 S 28 17 00 E, 1220 m): **NHMZ**: 16529 - Chipongwe Cave (15 41 00 S 28 14 00 E): **BMNH**: A-1785; **CAS**: 15101, 16162; **MSB**: 32649, 32650, 33430; **NHMZ**: 12246; **NMZL**: -A.116 - Chirundu (15 57 05 S 28 51 41 E): **WAM**: M32686, M32691, M32692, M32693, M32694, M32696, M32697 - Confluence of Kafue and Zambezi rivers, Zambezi Farm (ca. 15 56 30 S 28 54 45 E): **WAM**: M32687, M32695 - Lusaka, 7 km W (15 25 S 28 06 E): **MSB**: 34599 - Mkwisi (1543S 2835E): **NHMZ**: 11418, 11419, 11420 - Reitfontein (1527S 2841E): **NMZL**: - - South Luangwa Valley, Mfuwe (13.08S 31.78E): **BMNH**: 1968.111.

Zimbabwe:

Unknown locality: **BMNH**: 1861.8.9.10, 1956.184 - Birchenough Bridge, 8 km E (ca. 1958S 3224E): **ROM**: 80272, 80273, 80274, 80275, 80276 - Bubye R (22.35S 31.1E): **NHMZ**: 84200 - Chikupo Caves (1723S 3117E): **ROM**: 64559

- Chinanga Dam (17.12S 32.87E): **NHMZ**: 32402 - Chinhoyi Caves (17 22 00 S 30 12 00 E, 1186 m): **NHMZ**: 67001 - Chipinga (2010S 3235E): **TM**: 38450, 42713, 42714, 42715, 42716, 42717, 42719, 42720 - Deka-Zambezi R Confluence (18.0S 26.5E): **NHMZ**: 32283 - Dorowa Mine (19.0S 31.75E): **NHMZ**: 80371 - Haroni Forest (20.0S 33.0E): **NHMZ**: 31530 - Honde-Mtarazi R confluence (18.5S 32.75E): **NHMZ**: 6941 - Humane Ranch (2031S 3216E): **ROM**: 80269, 80270, 80271 - Juliasdale (18.42S 32.75E): **NHMZ**: 61988 - Lutope-Ngolangola R Confluence (18.28S 28.08E): **NHMZ**: 33643 - Matobo Hills, Diana's Pool (20.47S 28.87E): **NHMZ**: 30475 - Matobo Hills, Mtshavezi Valley (20.62S 28.87E): **NHMZ**: 30685 - Morgenster cave (20 17 S 30 56 E): **DNSM**: 3665 - Morgenster Mission (20 18 41 S 030 55 49 E): **NHMZ**: 83859 - Murehwa Caves (17.62S 31.78E): **NHMZ**: 32399 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **NHMZ**: 2745a - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32403 - Retreat Farm (2014S 3102E): **ROM**: 64984, 64998 - Rusito forest, Rustio River (ca. 195218S 330137E): **TM**: 34762, 34792, 34793 - Rusitu Forest (20.03S 32.98E): **NHMZ**: 30056 - Tingwa R (16.62S 30.87E): **NHMZ**: 30660 - Zimbabwe National Park (201800S 305700E): **AMNH**: 245140, 245141, 245142, 245143, 245144, 245145, 245146, 245147, 245148, 245149; **ROM**: 70828, 70829, 70830, 70831, 70832, 70833, 70834, 70835, 70836, 70837 - Zimbabwe National Park, 4 mi [=7.2 km] S (ca. 201800S 305700E): **FMNH**: 152377, 152378, 152379, 152380, 152381, 152382, 152383, 152384, 152385, 152386, 152387 - Zimbabwe Ruins (2017S 3056E): **TM**: 34578, 34579, 34580, 34581, 34582, 34583, 34584, 34585, 34586, 34587, 34588, 34589, 34590, 34591.

Rousettus madagascariensis G. Grandidier, 1929

"Africa":

Unknown locality: **MNHN**: ZM-MO-1983-1287, ZM-MO-1983-1289, ZM-MO-1983-1290, ZM-MO-1985-29 - Kesine: **MNHN**: ZM-MO-1985-1810.

Madagascar:

Unknown locality: **FMNH**: 209105; **MNHN**: ZM-MO-1975-786, ZM-MO-1975-787, ZM-MO-1975-788, ZM-MO-1975-789, ZM-MO-1975-790; **UADBA**: 10333, 32968, 32974, 33647, 43757, 48138, 50168, 50264, 50405, 50406, 50622, 50633 - Ambodiamontana: **FMNH**: 187600 - Ambohijanahary Mountain: **FMNH**: 194598; **UADBA**: ZR-157 - Ampanibe (241601S 471907E): **USNM**: 577058 - Ampanibe (241601S 471907E, 25 m): **USNM**: 577249 - Analamazaotra forest, Périnet (185600S 482500E, 800 - 991 m): **ROM**: 42038, 42039, 42040, 42041, 42130, 42131, 42132, 51114, 51115, 51116, 51117, 51118, 51119, 51120 - Andlavakarano (Andavadrano): **FMNH**: 179237, 179319 - Angodongodona, 6.5 km ESE: **FMNH**: 162064 - Anjohibe cave (15 32 33 S 46 53 10 E, 100 m): **FMNH**: 228826; **UADBA**: SMG-18921 - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], NCC-1 deposit (1532.55S 4653.17E, 100m): **UA**: 9206 - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], SS2 deposit (1532.39S 4653.09E, 222m): **UA**: 9216 - Anjohikinakina cave (19 00 36 S 44 46 04 E): **FMNH**: 221431 - Ankapoka (19 02 42 S 44 44 06 E): **UADBA**: 33646 - Ankarana caves (130500S 485500E, 94 m): **MNHN**: ZM-MO-1975-1059 - Antsahabe River, near village of Ankijabe: **FMNH**: 172678, 172679 - Beforona: **MCZ**: 45432 (Holotype *Rousettus madagascariensis*) - Bemangidy (2424S 4700E): **FMNH**: 85229, 85230 - Bevato: **MNHN**: ZM-MO-1975-795, ZM-MO-1975-796, ZM-MO-1975-798, ZM-MO-1975-799, ZM-MO-1975-800 - Bevato or Namoroka: **ZMA**: MAM.19312 - Campement Matsaborymadio: **FMNH**: 179320 - Cascade d'Antanamarina (15 34 34 S 46 52 09 E): **FMNH**: 221364, 221365, 221366, 221367, 221368, 221370, 221371; **UADBA**: 32915 - Fort Dauphin, 13 km NE (2501S 4700E): **ROM**: 46919, 46920, 46921, 46922, 46923, 46924, 46925 - Grotte d'Anjohibe: **FMNH**: 179289, 179290, 179294 - Grotte d'Ankelimahogo: **FMNH**: 184008, 184009, 184010, 184011, 184012 - Grotte d'Andrafiabe, forêt près (12 55 54 S 49 03 24 E, 50 m): **FMNH**: 169703 - Grotte d'Anjohibe (15 32 33 S 46 53 10 E, 100 m): **FMNH**: 209106, 221358, 221362, 221363; **UADBA**: 32900, 32901, 32903, 32904, 32905, 32906, 32907, 32908, 32909, 32910, 32911, 32913 - Grotte de Bazaribe (12 42 44 S 49 28 25 E, 90 m): **FMNH**: 178790, 178791, 178792, 178793, 178795, 178796, 178797 - Grotte des chauves-souris (12 57 23 S 49 07 05 E, 80 m): **FMNH**: 221301, 221302, 221303, 221304, 221305, 221306; **UADBA**: 32967, 32970, 32971, 32972 - Ile Sainte Marie: **FMNH**: 187720, 187721, 187722, 187723, 187724, 187725, 187727, 187728, 187729, 187730, 187731, 187732, 187733, 187735, 187736, 187737, 187738, 187739, 187741, 187742, 187743, 188656, 188657, 188658, 188659, 188660, 188661, 188662 - Kianjavato, 0.5 km N (2123S 4752E, 300 m): **USNM**: 448880, 448881, 448882, 448919, 448921, 448922, 448923, 448924, 448925, 448926, 448927, 448928 - Kianjavato, 4 km E by road (2123S 4754E, 125 m): **USNM**: 449206, 449207, 449208, 449209, 449272, 449273, 449274, 449275, 449276, 449277, 449278 - Manantenina (2417S 4719E, 2 m): **USNM**: 317899 - Mandromondromotra River (2501S 4700E): **ROM**: 46918 - Maroantsetra NW of (ca. 15 26 S 49 44 E): **MNHN**: ZM-MO-1985-655B - Maroantsetra, 40 km NW (1517S 4934E, 400 m): **MNHN**: ZM-MO-1985-655A - Marovony Forest (2408S 4722E, 50 m): **USNM**: 577248 - Mistinjo: **MNHN**: ZM-MO-1912-45, ZM-MO-1975-785, ZM-MO-1975-791, ZM-MO-1975-792 - Nahampoana (2458S 4658E, 40m): **USNM**: 577059, 577060, 577061 - Nahampoana Forest (ca. 245800S 465900E, 40 m): **USNM**: 577250, 577251, 577252, 577253, 577254, 577255 - Namoroka (162400S 451700E, 80 m): **MNHN**: ZM-MO-1975-797 - Nosy Be: **FMNH**: 187670, 187675, 187676, 187684, 187690, 187693, 187698, 187699, 187701, 187702, 187703, 188555, 188556, 188558, 188559, 188561, 188562, 188564, 188613, 188614, 188615; **UADBA**: SMG-15185, SMG-15186, SMG-15187, SMG-15188, SMG-15201 - Nosy Komba: **FMNH**: 188622, 188623, 188624, 188629, 188630, 188631, 188632; **UADBA**: SMG-15239, SMG-15240, SMG-15241, SMG-15250 - Périnet, 8 km S (ca. 18 56 00 S 48 25 00 E): **ROM**: 42007, 42008, 42009, 42010, 42011, 42012, 42013, 42014, 42015, 42016, 42017, 42018, 42019, 42020, 42021, 42022, 42023, 42024, 42025, 42026, 42027, 42028, 42029, 42030, 42031, 42032, 42033, 42034, 42035, 42036 - Petriky Forest (2504S 4653E, 20 m): **USNM**: 578724 - PN d'Andohahela, 8 km NW Eminiminy: **FMNH**: 156610, 156611 - PN d'Andringitra: **FMNH**: 151705 - PN de Bemaraha, Foret d'Andranogidro: **FMNH**: 169679 - RNI de Namoroka, along Ampandra River: **FMNH**: 175759, 175760, 175761, 175762, 175763, 175765, 175766, 175897, 175898, 175899, 175900, 175901, 175903 - RNI de Namoroka, near source of Mandevy River: **FMNH**: 175767, 175768, 175769, 175770, 175771, 175772, 175773, 175774, 175775 - RS d'Anjanaharibe-Sud, Marolakana River: **FMNH**: 154287 - RS d'Ankarana, 3.5 km SE Andrafiabe: **FMNH**: 176268 - RS d'Ankarana, Grotte des Chauves-souris: **FMNH**: 172997, 172998, 172999, 173000, 173001, 176262, 176263, 176264, 176265, 177383, 177384 - RS d'Ankarana, Grotte Milaintety: **FMNH**: 183863 - SF de Tampolo: **FMNH**: 179197 - Tolagnaro, 2 km WNW (2501S 4659E, 20 m): **USNM**: 578725, 578726, 578727, 578728, 578729, 578730, 578731, 578732, 578733, 578734, 578735, 578736, 578737, 578834, 578835, 578836, 578837, 578838, 578839, 578840, 578841, 578842, 578843, 578844, 578845, 578846, 578847, 578848, 578849, 578850, 578851, 578852, 578853 - Tolanaro (250200S 470000E): **USNM**: 577256.

Rousettus obliviosus Kock, 1978

Comoros:

Unknown locality: **FMNH**: 220041, 220042, 220043, SMG-16694, SMG-16702, SMG-16704, SMG-16710, SMG-16714, SMG-16715, SMG-16716, SMG-16751 - above Boboni, on trail towards La Convalescence (11 45 18 S 43 19 11 E, 630 m): **FMNH**: 194305, 194306, 194307, 194308 - Anjouan Island (12 15 S 44 25 E): **ZMA**: MAM.20903, MAM.20906 (Paratype *Rousettus (Rousettus) obliviosus*); **ZMB**: 58197, 58198, 58199 (Paratype *Rousettus (Rousettus) obliviosus*), 58200, 58202, 58207, 67249 - Bandakalala Cave (ca. 122003S 434650E, 200 m): **FMNH**: 194467 - Boboni, cave near (11 45 09 S 43 19 49 E, 916 m): **SMF**: 47973 (Paratype *Rousettus (Rousettus) obliviosus*); **ZFMK**: 1958.0207 (Holotype *Rousettus (Rousettus) obliviosus*) - Cercle de Bambao (12 11 56 S 44 31 06 E, 19 m): **ZMB**: 58189 (Paratype *Rousettus (Rousettus) obliviosus*) - Comoro Islands (1135S 4320E): **ZMB**: 4908 - Fassi (11 33 55 S 43 16 05 E, 58 m): **FMNH**: 220030, 220036 - Fomboni, 1 km N (ca. 121648S 434433E): **USNM**: 552512 - Grand Comoro Island (1145S 4320E): **ZMB**: 58203, 58204, 58205, 58206 - Grotte de Hapira, near Limbi along Trondroni River (1210S 4426E, 270 m): **FMNH**: 194320, 194321, 194322 - Grotte de Mangamitsano, between Bambao and Col de Patsi (1211S 4429E, 260 m): **FMNH**: 194313, 194314, 194315, 194316, 194317, 194318, 194319 - La Convalescence (11 45 18 S 43 19 11 E, 1787 m): **RMCA**: 81.052-M-0006, 81.052-M-0008 - La Grille (11 27 00 S 43 20 00 E, 844 m): **RMCA**: 81.052-M-0009, 81.052-M-0010, 81.052-M-0011, 81.052-M-0012, 81.052-M-0013, 81.052-M-0014, 81.052-M-0015, 81.052-M-0016, 81.052-M-0017, 81.052-M-0018, 81.052-M-0019, 81.052-M-0020, 81.052-M-0021, 81.052-M-0022, 81.052-M-0023, 81.052-M-0024, 81.052-M-0025, 81.052-M-0026, 81.052-M-0027, 81.052-M-0028, 81.052-M-0029, 81.052-M-0030, 81.052-M-0031, 81.052-M-0032, 90.001-M-0018, 90.001-M-0019, 90.001-M-0020, 90.001-M-0021, 90.001-M-0022, 90.001-M-0023, 90.001-M-0028, 90.001-M-0029, 90.001-M-0030, 90.001-M-0031, 90.001-M-0032, 90.001-M-0033, 90.001-M-0034 - Lac de Dzialande (1213.497S 4425.884E, 890m): **FMNH**: 194438, 194439, 194440, 194441, 194442, 194443, 194444 - Lima Mani (11 50 00 S 43 24 00 E): **RMCA**: 90.001-M-0024, 90.001-M-0025, 90.001-M-0026, 90.001-M-0027, 90.001-M-0035, 90.001-M-0036, 90.001-M-0037, 90.001-M-0038, 90.001-M-0039, 90.001-M-0040, 90.001-M-0041, 90.001-M-0042, 90.001-M-0043 - Malakoff (11 38 00 S 43 19 00 E): **RMCA**: 90.001-M-0001, 90.001-M-0002, 90.001-M-0003, 90.001-M-0004 - Miringoni (12 14 48 S 43 38 07 E, 7 m): **RMCA**: 85.046-M-0008, 85.046-M-0009, 90.001-M-0005, 90.001-M-0006 - Miringoni (12 14 48 S 43 38 07 E, 7m): **RMCA**: 85.046-M-0007 - Miringoni (121448S 433807E, 7m): **RMCA**: 85.046-M-0006 - Moroni (11 42 15 S 43 14 25 E, 40 m): **RMCA**: 83.045-M-0010, 83.045-M-0011, 83.045-M-0012, 83.045-M-0013, 83.045-M-0014, 83.045-M-0015, 83.045-M-0016, 83.045-M-0017, 83.045-M-0018, 83.045-M-0019, 85.046-M-0002, 85.046-M-0003 - Mtsangamouthoum (12 08 28 S 44 25 45 E, 252 m): **RMCA**: 83.045-M-0020, 83.045-M-0021, 83.045-M-0022 - near Ouallah I, along Akomodjou River (12.323067S 43.6677777E, 35 m): **FMNH**: 194464, 194465, 194466 - Nyamaoui Panga [= Panga Chilamouinani] (11 24 26 S 43 16 58 E, 80 m): **FMNH**: 194230, 194231, 194232, 194233, 194234, 194235, 194236, 194237, 194238, 194239, 194240, 194241, 194242, 194243, 194244, 194245, 194246, 194247 - Ouallah I (12.326666S 43.6633333E, 10 m): **FMNH**: 194458, 194459, 194460, 194461, 194462, 194463, 194530 - Panga Milembeni (1127S 4323E, 670 m): **FMNH**: 194539, 194540, 194541, 194542, 194543, 194544, 194545 - Patsi (120920S 442614E, 220 m): **FMNH**: 194312 - St Antoine (12 17 00 S 43 40 00 E): **RMCA**: 83.045-M-0005, 83.045-M-0006, 83.045-M-0007, 83.045-M-0008, 83.045-M-0009, 83.045-M-0023, 83.045-M-0024, 85.046-M-0010, 85.046-M-0012, 85.046-M-0013, 85.046-M-0014, 85.046-M-0015, 85.046-M-0016, 85.046-M-0017, 85.046-M-0018, 85.046-M-0019, 85.046-M-0020, 85.046-M-0021, 85.046-M-0022, 90.001-M-0007, 90.001-M-0008, 90.001-M-0009, 90.001-M-0010, 90.001-M-0011, 90.001-M-0012, 90.001-M-0013, 90.001-M-0014, 90.001-M-0015, 90.001-M-0016, 90.001-M-0017.

South Africa:

Caffraria: **ZMB**: 3891.

Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015

Central African Republic:

Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-1979-399 - Kpoka cave (case?) (03 50 N 17 18 E): **MNHN**: ZM-2011-713 (Holotype *Scotonycteris bergmansi bergmansi*) - La Maboké area (ca. 03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1979-400, ZM-MO-1979-401.

Equatorial Guinea:

Unknown locality: **RMCA**: 28428 - Nkolentangan: **ZMB**: 50004.

Gabon:

Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-1983-1080 - Batouala or Bélinga (ca. 01 00 N 13 20 E): **MNHN**: ZM-MO-1983-1036, ZM-MO-1983-1037 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-MO-1985-1608, ZM-MO-1985-1609, ZM-MO-2003-220; **ZMA**: MAM.07808, MAM.18270, MAM.20659, MAM.20660, MAM.20661 - Bélinga, near (ca. 01 08 00 N 13 07 00 E): **ZMA**: MAM.20662, MAM.20663, MAM.20664 - CNRS Lek (0028N 1248E): **CUMV**: 19407 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1984-1399; **ZMA**: MAM.20658 - M'Bari site (0152S 0953E): **USNM**: 584717 - Mount Doudou fauna exploitation area (0214S 1024E, 625 m): **FMNH**: 167759, 167760, 167761, 167762 - NE Gabon: **MNHN**: ZM-MO-1983-1081, ZM-MO-1983-1082 - Projet OIBT trail (PK 29) (0205N 1224E, 600 m): **FMNH**: 162156, 162157 - Rabi 59 site (0157S 0952E): **USNM**: 584716.

Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015

Congo (Democratic Republic of the):

Baliko (00 16 S 20 49 E, 358 m): **FMNH**: 219598, 219599, 219681 - Beni (00 30 00 N 29 28 00 E, 853 m): **RMCA**: 3244 - Bitale (02 13 00 S 28 38 00 E): **RMCA**: 36228 - Epulu (01 23 45 N 28 34 40 E, 750 m): **UNIKIS**: EPLU676, EPLU677 - Epulu (012345N 283440E, 750 m): **RMCA**: 90.031-M-0007, 90.031-M-0008 - Epulu, 2 km W (ca. 012345N 283440E, 750 m): **FMNH**: 149402, 149403, 149404 - île Mbiye (00 27 50 N 25 17 14 E, 413 m): **UNIKIS**: ABCHIM02, ABCHIM10 - Irangi (0154S 2827E): **RMNH**: MAM.26325; **SMF**: 65006, 65007, 65008, 65009, 65010; **ZMA**: MAM.24197 - Kiliza (river) (03 22 16 S 28 01 22 E): **RMCA**: 32584 - Kiloboze (03 03 00 S 28 11 00 E): **RMCA**: 31345 - Lieki (00 41 11 N 24 11 00 E, 508 m): **UNIKIS**: CRT2041, CRT2042 - Maganga (00 51 00 N 26 22 00 E): **RMCA**: 90.031-M-0009 - Mandima (ca. 01 21 00 N 29 03 00 E): **MHNG**: 1871.088, 1871.089, 1871.090 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0102, 93.079-M-0170, 93.079-M-0245, 93.079-M-0356, 93.079-M-0357, 93.079-M-0358, 93.079-M-0359, 93.079-M-

0360, 93.079-M-0361, 93.079-M-0362, 93.079-M-0363, 93.079-M-0364, 93.079-M-0365, 93.079-M-0366 - Mwenge (03 42 00 S 28 10 00 E, 1100 m): **RMCA**: 35076 - Quatorze (00 10 04 N 20 55 34 E, 326 m): **FMNH**: 222426, 222623 - Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL481, RBTL482, RBTL492, RBTL494, RBTL504, RBTL505, RBTL515, RBTL534, RBTL540 - Sukisa (02 19 05 N 24 59 17 E, 470 m): **MNHN**: ZM-2014-564 (Holotype *Scotonycteris bergmansi congoensis*) - Uma (00 32 21 N 025 54 05 E, 508 m): **UNIKIS**: UMA525, UMA583, UMA609, UMA615 - Yoko (00 17 N 25 17 E): **RMCA**: a1.097-M-3188, a1.097-M-3189, a1.097-M-3190.

Scotonycteris occidentalis Hayman, 1947

Côte d'Ivoire:

Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **AMNH**: 239378, 239379, 239380, 239381 - Azagny National Park (06 13 07 N 05 15 32 W, 125m): **MNHN**: ZM-2014-565 - Banco Forest (0525N 0403W): **USNM**: 429895, 429897, 467894 - Bolo (08 29 N 07 34 W, 456 m): **ZMA**: MAM.18040 - Lamto (06 12 00 N 05 02 00 W): **RMCA**: 35742, 35743; **ZMA**: MAM.16552 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1981-1217; **ORSTOM**: 21.521 - Matonguiné (07 17 20 N 08 02 17 W, 356 m): **ZMA**: MAM.18039 - Niébé (05 22 N 07 18 W, 132 m): **USNM**: 46573917 - Parc National de Tai (ca. 05 50 N 07 20 W): **ROM**: 100505, 100512.

Ghana:

Unknown locality: **BMNH**: 1977.358 - Ahiriso (0632N 0220W): **USNM**: 414023 - Butre (0449N 0155W): **USNM**: 414022 - Cape Coast (050600N 011500W): **BMNH**: 1978.2817 - Kade Agricultural Research Station (06 05 N 00 50 W, 127 m): **ROM**: 39421, 39428 - Kade, 11 km NE (06 07 N 00 34 W): **ROM**: 36646 - Kade, 6 mi [=9.7 km] NW (06 09 N 00 54 W): **USNM**: 411608, 411609, 411610, 411611, 411612, 411613, 411614, 411615, 411616, 411617 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 411618, 411619 - Oda (05 55 N 00 56 W, 122 m): **BMNH**: 1946.898 (Holotype *Scotonycteris zenkeri occidentalis*); **USNM**: 439884 - Prestea, 32 mi W (0523N 0228W): **USNM**: 414017, 414018, 414019, 414020, 414021 - Prince's Town, 7 mi N (044736N 020804W): **USNM**: 411620, 411621, 411622, 411623.

Guinea:

Sérédou (08 22 56 N 09 17 59 W): **MNHN**: ZM-MO-1991-2274 - Soumba o Dubreka (094728N 133124W, 74 m): **EBD**: MAM 22281.

Liberia:

Unknown locality: **BMNH**: 1977.359_1, 1977.359_2, 1979.436_1, 1979.436_2, 1979.436_3, 1979.436_4, 1979.440_1, 1979.440_2, 1979.440_3, 1979.440_4; **RBINS**: 16761; **SMF**: 87666, 87667, 87668 - Bopolu (07 04 00 N 10 29 15 W, 211 m): **RMCA**: 80.043-M-0001 - C.L.C. (05 11 00 N 07 58 00 W): **RMCA**: 80.036-M-0002 - East Grassfield (07 29 20 N 08 34 15 W): **MNHN**: ZM-MO-1987-1 - Fapé (07 13 50 N 09 17 04 W, 360 m): **MNHN**: ZM-2012-545, ZM-2012-546, ZM-2012-547 - Gabagea River: **AMNH**: 265675, 265676, 265677, 265678 - Grassfield forest (07 29 20 N 08 34 15 W, 530 m): **MNHN**: ZM-MO-1992-171 - Iti: **RBINS**: 16085 - Juarzon (052256N 085044W, 134 m): **AMNH**: 256535, 256548, 256549 - Mount Nimba West (ca. 07 29 00 N 08 33 00 W): **RBINS**: 16084, 16086, 16087, 16088 - Paul Town (07 00 N 09 40 00 W): **RMCA**: 80.043-M-0002, 80.043-M-0003, 80.043-M-0004 - Sinoe county (050200N 080400W): **RMCA**: 80.028-M-0001 - Sweaken (05 23 04 N 07 57 07 W, 303 m): **RMCA**: 80.036-M-0003, 80.036-M-0006, 80.036-M-0007, 80.036-M-0008 - Tars Town (0613N 0808W): **USNM**: 481683, 481684, 481685, 481686, 481687, 481688 - Tchien, 25 km N (ca. 06 05 N 08 07 W): **AMNH**: 239382.

Scotonycteris zenkeri Matschie, 1894

Cameroon:

Above Mueli: **ZFMK**: 1961.0646, 1961.0647 - Bake River Bridge: **CM**: 107997 - Barombi Kang (0439N 0925E): **ROM**: 37772 - Big farm, Mungo River, east bank (0421N 0930E): **ROM**: 68897 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 54390 - Bitye (03 01 00 N 12 22 00 E, 616 m): **BMNH**: 1926.11.11.1 - Dikume: **ZFMK**: 1969.0460 - Ebogo (03 24 00 N 11 28 00 E, 316 m): **RMCA**: 73.029-M-0004 - Eseka (033900N 104600E): **RMCA**: 75.003-M-0081 - Eséka (0340N 1045E): **AMNH**: 236275, 236276 - Korup National Park: **CM**: 107999 - Kribi (0255N 0955E): **ROM**: 54934 - Kribi (025700N 095500E, 13 m): **MNHN**: ZM-MO-1979-343, ZM-MO-1979-344 - Kumba region (0439N 0925E): **ROM**: 51553, 51568 - Kupe: **ZFMK**: 1969.0459, 1969.0461 - Lombé (03 38 02 N 09 59 10 E, 1 m): **MSB**: 37654, 37655, 37656, 37658, 37689, 37690; **USNM**: 514673 - Mamfe, 15 km SE (ca. 05 40 N 09 23 E): **AMNH**: 241018; **TTU**: 17964 - Mana bridge (05 00 28.4 N 08 52 16.9 E): **MNHN**: ZM-2011-674, ZM-2011-675, ZM-2011-676, ZM-2011-677, ZM-2011-678, ZM-2011-679, ZM-2011-680 - Mawutu Village (0424N 0912E): **ROM**: 69140, 69141 - Meyo Nkoulou (02 16 00 N 11 02 00 E): **RMCA**: 73.018-M-0090, 73.018-M-0091, 73.018-M-0190, 73.018-M-0191 - Nkoélon village (02 23.831 N 10 02.691 E): **MNHN**: ZM-2011-681, ZM-2011-682 - Oveng (02 25 00 N 12 16 00 E, 608 m): **RMCA**: 73.018-M-0092 - Soumo River (0318N 1130E): **ROM**: 56185 - Soumou River (0318N 1130E): **ROM**: 56186 - Tombel (044506N 094022E): **BMNH**: 1966.3516 - Victoria (04 00 36 N 09 09 36 E): **ROM**: 54905 - Yaounde (0352N 1131E, 1025 m): **ZMB**: 66533 - Zoulabot II (02 54 00 N 13 53 00 E, 517 m): **RMCA**: 75.056-M-0062.

Côte d'Ivoire:

Unknown locality: **SMF**: 92160 - Lamto (06 12 00 N 05 02 00 W): **ZMA**: MAM.16522.

Equatorial Guinea:

Bioko island (ca. 03 30 N 08 42 E): **SMF**: 56874 - Fish Town: **BMNH**: 1904.7.1.28 (Holotype *Scotonycteris bedfordi*) - San Carlos (03 21 31 N 08 30 41 E): **ZFMK**: 1964.0360, 1964.0361, 1964.0362, 1964.0364, 1964.0366, 1964.0367, 1964.0368, 1964.0369, 1964.0370, 1964.0371.

Gabon:

Libreville, 20 km from (ca. 00 23 N 09 27 E): **EBD**: MAM 25938.

Nigeria:

Unknown locality: **BMNH**: 1976.1835 - Ayip Eku (0535N 0845E): **ROM**: 86928 - Gambari Forest Reserve: **ZMA**: MAM.20702 - Omo Forest Reserve (065049N 042217E): **ROM**: 77720 - Sapoba (060623N 055355E, 72 m): **ROM**: 79187.

Stenonycteris lanosus (Thomas, 1906)

Burundi:

Giserama Colline (025027S 292507E, 2100 m): **FMNH**: 148976, 148977, 148978, 148979 - Ruhinga Hill (0355S 2935E, 2170 m): **FMNH**: 155969, 155970, 155971.

Congo (Democratic Republic of the):

Butagu Valley (ca. 00 19 35 N 029 49 20 E, 7500 ft): **AMNH**: 82380, 82527, 82528 - Butembo (0009N 2917E, 1381 m): **RMCA**: 23553, 23674, 23676, 36200, 36202, 36205 - Kabira (020300S 285500E, 1519 m): **RMCA**: 28025 - Kalonge (00 20 00 N 29 48 00 E, 2455 m): **AMNH**: 82526; **FMNH**: 26237; **RBINS**: 17299, 37116, 37117; **RMCA**: 37116, 37117 - Kikura (00 33 N 29 57 E, 1900 m): **INPBC**: V1178 - Lamya Valley (00 50 14 N 29 59 15 E): **RBINS**: 12928 - Lemera, SW of (ca. 0210S 2850E, 8800 ft): **AMNH**: 82379 - Lusanga Mwanza (05 50 00 S 13 03 00 E): **RMCA**: 13944b - Lushala (02 13 S 28 49 E): **USNM**: 535400 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **RMCA**: 35064, 35065; **SMF**: 31829, 31830 - Marion, lake: **INPBC**: V1159 - Marumbi (01 10 N 29 30 E, 1360 m): **RMCA**: 37119 - Mount Tshiabirimu (00 05 S 29 26 E): **FMNH**: 188790, 188791, 188792 - Mugaba Cave (ca. 02 19 23 S 28 31 04 E): **USNM**: 375232, 375233 - Mutsora (00 19 00 N 29 44 00 E, 1200 m): **RBINS**: 12927 - Nyabiondo (01 15 S 28 45 E): **ZMA**: MAM.24344, MAM.24345, MAM.24346, MAM.24347 - Old Kalonge (00 20 N 29 49 E, 2285 m): **FMNH**: 26234, 26235, 26236, 30572, 30573, 30574, 30576, 30577; **USNM**: 260141 - Ruwenzori, foothills (00 23 N 29 54 E): **RMCA**: 9904a - Tshibasha (05 50 00 S 22 25 00 E): **RMCA**: 36250a - Tshibati (02 14 00 S 28 47 00 E): **AMNH**: 207735.

Egypt:

Nile: **BMNH**: 1864.12.17.1, 1864.12.17.2.

Ethiopia:

Unknown locality: **SMF**: 47694 - Afallo (0741N 3620E, 2100 m): **FMNH**: 105409 - Bishan Waka Lake, E side shore (07 18 01 N 35 16 24 E, 1434 m): **BRTC**: 58452 - Bora River Bridge (1670 m): **BRTC**: 58450, 58451, 58453 - Didessa river bridge (09 02 N 36 09 E, 1533 m): **SMF**: 49588 - Shoa (09 00 N 39 00 E, 1981 m): **BMNH**: 1861.2.30.6.

Kenya:

Kairuni: **LACM**: 45617, 45618, 45619, 45620, 45621, 45622, 45623 - Kakamega district: **CM**: 102148, 102149 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 50442, 50537, 50538, 50543 - Kakamega forest station (0014N 3452E): **FMNH**: 152410; **WNMU**: 1305 - Kericho (0022S 3517E, 2093 m): **ROM**: 48719, 48720, 48721 - Kiega Hill: **HZM**: 1.2015 - Kyanbym: **BMNH**: 1919.4.17.1 - Limuru, near (0106S 3639E): **LACM**: 19527, 19528, 19529, 19530, 19531 - Menengai (00 12 00 S 35 58 00 E): **ZMA**: MAM.20428; **ZMB**: 66998 - Menengai Crater (00 12 00 S 36 04 00 E, 1860-2865 m): **BMNH**: 1975.2422, 1975.2422_1, 1975.2422_2, 1975.2422_3, 1975.2422_4, 1975.2422_5, 1975.2423, 1975.2424, 1975.2425, 1975.2426; **FMNH**: 82227; **ZMA**: MAM.20426, MAM.20427, MAM.20429, MAM.20430, MAM.20431, MAM.20432 - Menengai Crater (00 12 00 S 36 04 00 E, 2103 m): **FMNH**: 152408 - Menengai Crater (00 12 00 S 36 04 00 E, 2256 m): **USNM**: 317893, 317894, 317895, 317896, 317897, 317898 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1860-2865 m): **ROM**: 77951, 77952, 77953, 77954, 77955, 91148 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1981 m): **ROM**: 77950; **USNM**: 350779, 350780, 350781, 350782, 436366, 436367, 436368, 436369, 436370, 436371, 436372, 436373, 436374, 436375, 436376 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 2103 m): **FMNH**: 152409 - Mount Menengai (00 12 00 S 36 04 00 E, 2256 m): **FMNH**: 85227, 85228, 85448, 85449, 85450, 85451 - Nakuru (00 17 00 S 36 04 00 E, 1952 m): **WAM**: M16575 - southern slopes Mt …: **BMNH**: 1910.4.1.6 (Holotype *Rousettus kempi*) - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 81288.

Malawi:

Misuku-Mughese Mission (= Mugesse, Misuku) (09 41 02 S 33 27 29 E, 1500m): **ZMA**: MAM.24573, MAM.24574, MAM.26074, MAM.26075, MAM.26076, MAM.26149, MAM.26150, MAM.26151, MAM.26152 - Nkhata Bay (11 36 S 34 18 E, 471 m): **ZMA**: MAM.26148.

Rwanda:

Bufundi (01 20 42 S 29 51 00 E): **RMCA**: 81.012-M-0043 - Gasiza: **RBINS**: 20215, 20273 - Kanyamiketo (012600S 293500E): **RMCA**: 87.046-M-0518 - Kayove (015304S 292111E, 1841 m): **RMCA**: 87.046-M-0515, 87.046-M-0516, 87.046-M-0519, 87.046-M-0520 - Kibumbu crater, caves 2 and 3 (01 24 35 S 29 32 36 E): **BMNH**: 1992.385, 1992.386, 1992.387, 1992.388 - Kinigi (012700S 293400E, 2179 m): **RMCA**: 87.046-M-0514 - Murunda (015400S 292200E, 1711 m): **RMCA**: 80.055-M-0073, 80.055-M-0074, 80.055-M-0075, 80.055-M-0076, 80.055-M-0077, 80.055-M-0078, 80.055-M-0079, 80.055-M-0080, 80.055-M-0081, 80.055-M-0082, 80.055-M-0083, 80.055-M-0084, 80.055-M-0085, 80.055-M-0086, 80.055-M-0087, 80.055-M-0088, 80.055-M-0089, 80.055-M-0090, 80.055-M-0091, 80.055-M-0092, 80.055-M-0093, 80.055-M-0094, 80.055-M-0095 - Routabansougera (022500S 290100E, 1750 m): **RMCA**: 87.046-M-0517 - Ruhengeri (01 30 15 S 29 38 09 E, 1772 m): **SMF**: 92441 - Uwinka (02 28 00 S 29 12 00 E, 2512 m): **RMCA**: 82.006-M-0932, 82.006-M-0933, 82.006-M-0934.

South Sudan:

Gilo (04 02 18 N 32 50 43 E, 1736 - 1863 m): **SMNS**: 29801, 29803, 29804, 29807, 29809, 29810, 29811, 29812, 29813, 29814, 29815.

Tanzania:

Bagilo (0710S 3740E): **FMNH**: 34185, 34186; **MCZ**: 22544, 22545, 22546, 22547, 22548, 22549, 25223; **USNM**: 268761 - Bombo, 7 km S (0420S 3800E, 1100 m): **FMNH**: 151171, 151172, 151173, 151174, 151175, 151176, 151177, 151178, 151405, 151406, 151407, 151408, 151409, 151410, 151411, 151412 - Isongo (ca. 08 45 24 S 36 41 45 E): **SMF**: 19471, 19472 - Mahenge (08 41 S 36 43 E, 1276 m): **BMNH**: 1964.852, 1964.853; **HZM**: 2.3034, 3.3035, 4.3036 - Makoa Caves: **HNHM**: 98.64.1, 98.64.10, 98.64.11, 98.64.12, 98.64.13, 98.64.2, 98.64.3, 98.64.4, 98.64.5, 98.64.6, 98.64.7, 98.64.8, 98.64.9 - Morogoro region: **SMF**: 29025, 66933, 66934 - Suma (09 12 00 S 33 43 00 E, 1452 m): **RMCA**: 96.037-M-7152 - Tanga region: **SMF**: 90879.

Uganda:

Unknown locality: **BMNH**: 1936.3.14.3 - Bwindi Swamp: **LACM**: 51534, 51535, 51536, 51545, 51546, 51547, 51548, 51549 - Bwindi-Impenetrable National Park (0102S 2943E): **FMNH**: 162352 - Bwindi-Impenetrable National Park (0102S 2943E, 1500 m): **FMNH**: 160349 - Echuya Forest Reserve (0118S 2950E, 2380 m): **FMNH**: 161009, 161010, 161011, 161012, 161013, 161014, 161015, 161016, 161017, 161018, 161019, 161020, 161021, 161022, 161023, 161024, 161025, 161026, 161027, 161028, 161029, 161030, 161031, 161032, 161033, 161034, 161035, 161036, 161037, 161038, 161039 - Fort Portal (004138S 301559E, 1524 m): **ROM**: 41781 - Itama Mine area (ca. 01 06 13 S 30 41 17 E): **LACM**: 35504, 35505, 35506 - John Mate Camp (0023N 2956E, 3368 m): **FMNH**: 144286, 144287, 144288, 144289, 144290, 144291, 144292, 144293, 144294, 144295, 144296, 144297, 144298, 144299, 144300, 144301, 144302, 144303, 144304, 144305, 144306, 144307, 144308 - Mount Elgon: **BMNH**: 1910.4.1.7, 1934.4.1.1, 1934.4.1.2 - Mubuku Valley (13000 ft): **BMNH**: 1906.7.1.2 (Holotype *Rousettus lanosus*) - Nteko Parish (01 02 16 S 29 36 E, 1600 m): **FMNH**: 160350, 160351, 160352, 160353, 160354, 160355 - Nyabitaba Hut (00 21 26 N 29 58 31 E, 8750 ft): **FMNH**: 144282, 144283, 144284, 144285 - Ruhiza (Impenetrable Forest) (ca. 001600N 313700E, 2438 m): **AMNH**: 219703, 219704,

219705, 219706, 219707, 219708, 219709, 219710, 219711, 219712, 219713, 219714, 219715, 219716, 219717 - Ruhizha area: **HZM**: 13.6491 - Ruwenzori East (00 22 00 N 30 00 00 E, 1524 m): **BMNH**: 1906.12.4.11 - Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River (0021N 3000E, 1890 m): **FMNH**: 144281 - Sipi (011835N 342227E, 1791 m): **MCZ**: 31123, 31124, 31126, 31127, 31148.

HIPPOSIDERIDAE Lydekker, 1891

Kenya:
Unknown locality: **RMNH**: MAM.32078.
Namibia:
Arnhem cave (23 27 S 18 32 E): **MNHN**: ZM-MO-2001-1559.

Asellia Gray, 1838

Egypt:
Unknown locality: **BMNH**: 1903.2.7.1, 1904.11.3.1.
Sudan:
Unknown locality: **BMNH**: 1901.5.5.1, 1901.5.5.3, 1901.5.5.68, 1901.5.5.69, 1901.5.5.70, 1901.5.5.71.

Asellia italosomalica de Beaux, 1931

Somalia:
Oddur: **MSNG**: 30942.

Asellia patrizii de Beaux, 1931

Eritrea:
Gaare (13 13 N 42 07 E): **MSNG**: 13313, 13314 (Paratype *Asellia patrizii*).
Ethiopia:
Unknown locality: **BMNH**: 1970.2288, 1970.2288_1, 1970.2288_2, 1970.2288_3, 1970.2289, 1970.475, 1971.661_01, 1971.661_02, 1971.663_01, 1971.663_02, 1971.663_03, 1971.666_01, 1971.666_02, 1971.666_03, 1971.666_04, 1971.666_05, 1971.666_06, 1971.666_07; **SMF**: 52377 - Lava-Dom (13 18 00 N 40 58 48 E, 812 m): **SMF**: 44996, 44997, 44998, 44999.

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)

"Africa":
Unknown locality: **MNHN**: ZM-MO-1999-768, ZM-MO-1999-769, ZM-MO-1999-790, ZM-MO-1999-793 - Aoule (oasis): **ZMA**: MAM.04184 - Musa: **ZMB**: 67911 - Ténéré: **MNHN**: ZM-MO-1985-888.
Algeria:
Unknown locality: **BMNH**: 1912.11.14.1 - Aurès mountains (35 14 N 06 10 E): **MNHN**: ZM-MO-1992-1886 - Béni Abbès (30 08 00 N 02 10 00 W, 470 m): **MNHN**: ZM-MO-1951-1058, ZM-MO-1985-749 (1), ZM-MO-1985-749 (2), ZM-MO-1985-749 (3), ZM-MO-1985-749 (4), ZM-MO-1985-885, ZM-MO-1985-886, ZM-MO-1985-887 - Biskra (34 51 N 05 44 E, 213 m): **SMF**: 11876 - Colomb Bechar (3137N 0213W): **ROM**: 54774, 54775, 54776, 54777, 54779, 54780, 54781, 54782, 54783, 54784, 54785, 54786, 54787, 54788, 54789, 54790, 54791, 54792, 54793, 54794 - Djanet (24 34 N 000 09 23 E, 1116 m): **MNHN**: ZM-MO-1983-503 - El Golea: **BMNH**: 1912.11.14.2 (Holotype *Asellia tridens diluta*) - El Goléa (3034N 0253E, 423 m): **MNHN**: ZM-MO-1985-871, ZM-MO-1985-872, ZM-MO-1985-873 - El Golea (361310N 024621E, 700 m): **FMNH**: 47763, 47764 - Hassi Fokra (30 09 20 N 01 26 07 W): **MNHN**: ZM-MO-1985-867, ZM-MO-1985-868, ZM-MO-1985-869, ZM-MO-1985-870 - Ighzer cave: **HNHM**: 77.219.1 - Tamanrasset (22 47 06 N 05 31 22 E, 1320 m): **MNHN**: ZM-MO-1985-874 - Tamanrasset, near (ca. 22 47 06 N 05 31 22 E, 1320 m): **MNHN**: ZM-MO-1985-881, ZM-MO-1985-882 - Touareg Sahara: **MNHN**: ZM-MO-1985-845 A, ZM-MO-1985-845 B, ZM-MO-1985-879, ZM-MO-1985-880.
Burkina Faso:
Unknown locality: **SMF**: 60954, 60955, 60956, 60957, 60958, 60959, 60960, 60961, 60962, 60963, 60964, 60965, 60966, 60967, 60968, 60969, 60970.
Chad:
Ounianga Kébir (1904N 2029E, 400 m): **USNM**: 319627, 319628, 319629, 319630 - Zouarké, well (20 25 00 N 16 05 00 E): **RMCA**: 31163.
Congo (Democratic Republic of the):
Kivu region: **MNHN**: ZM-MO-1985-846, ZM-MO-1985-847, ZM-MO-1985-848, ZM-MO-1985-849, ZM-MO-1985-850, ZM-MO-1985-851, ZM-MO-1985-852, ZM-MO-1985-853, ZM-MO-1985-854, ZM-MO-1985-856, ZM-MO-1985-857, ZM-MO-1985-858, ZM-MO-1985-859, ZM-MO-1985-860, ZM-MO-1985-861, ZM-MO-1985-862, ZM-MO-1985-863 - Kivu, near (02 00 S 28 45 E): **MNHN**: ZM-MO-1985-855.
Egypt:
Unknown locality: **AMNH**: MS-432; **BMNH**: 1837.4.28.15, 1874.7.8.1, 1874.7.8.2, 1892.9.8.13, 1892.9.9.10, 1892.9.9.12, 1892.9.9.9, 1901.10.1.1, 1903.2.7.2, 1903.2.7.3, 1903.2.7.4, 1904.11.3.2, 1976.421_1, 1976.421_2, 1977.492_01, 1977.492_02, 1977.492_03, 1977.492_04, 1977.492_05, 1977.492_06, 1977.492_07, 1977.492_08, 1977.492_09, 1977.501_01, 1977.501_02, 1977.501_03, 1977.501_04, 1977.501_05, 1977.501_06, 1977.501_07, 1977.501_08, 1977.501_09, 1977.501_10, 1977.501_11, 1977.501_12, 1977.501_13, 1977.501_14, 1977.501_15, 1977.501_16, 1977.501_17, 1977.501_18, 1977.501_19, 1977.501_20, 1977.521_01, 1977.521_02, 1977.521_03, 1977.521_04, 1977.521_05, 1977.521_06, 1977.521_07, 1977.521_08, 1977.521_09, 1977.521_10, 1977.521_11, 1977.521_12, 1977.521_13, 1977.521_14, 1977.521_15, 1977.521_16, 1977.521_17, 1977.521_18, 1977.521_19, 1977.521_20, 1977.521_21, 1977.521_22, 1977.521_23, 1977.521_24, 1977.521_25, 1977.521_26, 1977.521_27, 1977.521_28, 1977.521_29, 1977.550_01, 1977.550_02, 1977.550_03, 1977.550_04, 1977.550_05, 1977.550_06, 1977.550_07, 1977.550_08, 1977.550_09, 1977.550_10, 1977.550_11, 1977.550_12, 1977.550_13, 1977.550_14,

1977.550_15, 1977.550_16, 1977.550_17, 1977.550_18, 1977.550_19, 1977.550_20, 1977.550_21, 1977.550_22, 1977.572_01, 1977.572_02, 1977.572_03, 1977.572_04, 1977.572_05, 1977.572_06, 1977.572_07, 1977.572_08, 1977.572_09, 1977.572_10, 1977.572_11, 1977.572_12, 1977.572_13, 1977.572_14, 1977.572_15, 1977.572_16, 1977.572_17, 1977.589_01, 1977.589_02, 1977.589_03; **MCZ**: 6286, BOM-7331; **MNHN**: ZM-MO-1999-766; **RMNH**: MAM.17675, MAM.25175, MAM.25176, MAM.25177, MAM.27343; **SMF**: 12357, 1319, 1326, 25251, 25252, 25253, 25254, 25255, 25256, 32960; **WAM**: M238; **YPM**: MAM 005605, MAM 005624 - "Tor Sinai": **ZMB**: 54359 - Abu Sir (2953N 3113E, 73 m): **FMNH**: 80482, 80483, 80484, 80485, 80486, 80487, 80488, 80489, 80490, 80491 - Abu Sir cave (ca. 29 53 N 31 13 E): **YPM**: MAM 002836, MAM 005523, MAM 005524, MAM 005525, MAM 005526, MAM 005527, MAM 005591, MAM 005592, MAM 005593, MAM 005594, MAM 005595, MAM 005596, MAM 005597 - Al Jiza governorate: **FLMNH**: 5527 - Assuan (24 05 15 N 32 53 56 E, 85 m): **ZMA**: MAM.18412 - Bakkari (300108N 310823E): **FMNH**: 85523, 85524, 85525, 85526, 85527, 85528, 85529, 85530, 85531, 85532, 85533, 85534, 85535, 85536, 85537, 85538, 85539, 85540, 85541, 85542, 85543, 85544, 85545, 85546, 85547, 85548, 85549, 85550, 85551, 85552, 85553, 85554, 85555, 85556, 85557, 85558, 85559, 85560, 85561, 85562, 85563, 85564, 85565, 85566, 85567, 85568, 85569, 85570, 85571, 85572, 85573, 85574, 85575, 85576; **USNM**: 312645, 312646, 312647, 312648, 312649, 312650, 312651, 312652, 312653, 312654, 312655, 312656, 312657, 312658, 312659, 312660, 312661, 312662, 312663, 312664, 312665, 312666, 312667, 312668, 312669, 312670, 312671, 312672, 312673, 312674, 312675, 312676, 312677, 312678, 312679, 312680, 312681, 312682, 312683, 312684, 312685, 312686, 312687, 312688, 312689, 312690, 312691, 312692, 312693, 312694, 312695, 312696, 312697, 312698, 312699, 312700, 312701, 312702, 312703, 312704 - Bir Abraq (2325N 344745E): **FMNH**: 80870, 80871, 80872, 80873, 80874, 80875, 82457, 82458; **USNM**: 312643 - Cairo Citadel (30 03 00 N 31 15 00 E, 22 m): **FMNH**: 82020 - Cairo, 20 km S (ca. 30 03 N 31 15 E): **SMF**: 25805 - Cairo, 5 km E (ca. 30 03 N 31 15 E): **FMNH**: 93371, 93372, 93373, 93374; **USNM**: 368715, 368716 - Dakhla Oasis: **UMMZ**: 160967 - Denderah [=Dandarah] (26 10 09 N 32 39 19 E, 67 m): **SMF**: 32910; **ZMB**: 67274, 67275, 67276, 67277, 8381, 85641 - Denderah Temple (26 10 09 N 32 39 19 E, 67 m): **FMNH**: 143992, 143993, 143994, 143995, 143996, 143997, 143998, 143999, 144000, 15089 - Dihmit (23 47 N 32 55 E, 252 m): **SAMA**: M15224, M15225, M15226, M15227, M15228, M15229, M15230, M15231, M15232, M15233, M15234, M15235, M15236, M15237, M15238, M15239, M15240, M15241, M15242, M15243, M15244, M15245, M15246, M15247, M15248, M15249 - Dush Temple (2434N 3042E, 77 m): **FMNH**: 144021, 144022, 144023, 144024, 144025, 144026, 144027, 144028, 144029, 144030, 144031, 144032, 144033, 144034 - Edfu (24 58 00 N 32 52 00 E, 86 m): **SMF**: 22681, 22682, 22683, 22684, 22685, 22686, 22687, 22688, 22689, 22690, 22691, 22692, 22693, 22694, 22695, 22696, 22697, 22698, 22699 - El Lisht (2934N 3114E, 15 m): **FMNH**: 44179, 44180, 44181 - El Maabdeh cave (272020N 3102E, 47 m): **USNM**: 16337 - El-'Aiyat (29 51 N 31 13 E, 19 m): **FMNH**: 85579, 85580, 85583, 85585, 85587, 85588 - Gebel Adda (22 16 N 31 36 E): **YPM**: MAM 005514 - Hersneh: **USNM**: 13513 - Kharga Oasis, City of Deads: **USNM**: 154964, 154965, 154966, 154967, 154968, 154969, 154970, 154971, 154972, 154973, 154974, 154975 - Kharga Oasis, Temple of Hibis: **UMMZ**: 160968, 160969, 160970, 160971, 161039, 161047 - Kharga Oasis, Temple of Hibis (25.433333333333N 30.55E): **FMNH**: 144035 - Kom O Shim (2934N 3055E): **FMNH**: 67626, 67627, 67628, 67629, 67630, 67631, 67632, 67633, 67634, 67635, 67636, 67637, 67638, 67639, 67640, 67641, 67642, 67643, 67644, 67645, 67646, 67647, 67648, 67649, 67650, 67651, 67652, 67653, 67654, 67655; **USNM**: 300217 - Lisht (2934N 3114E, 15 m): **USNM**: 154942, 154943, 154944, 154945, 154946, 154947, 154948, 154949, 154950, 154951, 154952, 154953, 154954, 154955, 154956, 154957, 154958, 154959, 154960, 154961, 154962, 154963, 155355, 155356 - Luxor (25 41 N 32 39 E, 76 m): **ZMA**: MAM.18411 - Luxor, near: **FMNH**: 49014, 49015, 49016, 49017, 49018; **MNHN**: A.235 (Syntype *Rhinolophus tridens*), A.237 (Syntype *Rhinolophus tridens*) - Mandisha (2821N 2855E, 122 m): **FMNH**: 106071, 143962, 143963, 143964, 143965, 143966, 143967, 143968, 143969, 143970, 143971, 143972, 143973, 143974, 143975, 143976, 143977, 143978, 143979, 143980, 143981, 143982, 143983, 143984, 143985, 143986, 143987, 143988, 143989, 143990, 143991 - Nag Misaw (22 22 N 31 42 E): **YPM**: MAM 002834, MAM 002835, MAM 002875 - Nile: **USNM**: 5229, 577658, 60601, 60602 - no specific locality: **ZMB**: 14968 - Old Cairo (30 01 N 31 14 E, 16 m): **FMNH**: 91456, 91457, 91458, 91459, 91460, 91461, 91462, 91463, 91464, 91465, 91466, 91467, 91468, 91469, 91470, 91471; **USNM**: 368707, 368708, 368709, 368710, 368711, 368712, 368713, 368714 - Queen Hatchipsat Tomb (2541N 3239E): **FMNH**: 144001, 144002, 144003, 144004, 144005, 144006, 144007, 144008, 144009, 144010, 144011, 144012, 144013, 144014, 144015, 144016, 144017, 144018, 144019, 144020 - Saqqara (29 51 N 31 13 E, 19 m): **FMNH**: 75072, 75073, 75074, 75075, 75076, 75077, 80492, 80493, 80494, 80495, 82479, 89395, 89396, 89397, 89398, 89399, 89400, 89401, 89402, 89403, 89404, 89405, 89406, 89407, 89408, 89409, 89410, 89411, 89412, 89413, 89414, 89415, 89416; **USNM**: 312633, 312634, 312635, 312636, 312637, 312638, 312639, 312640, 312641, 312642, 312644 - Sinai (ca. 2930N 3400E): **USNM**: 122150, 122151, 122152 - Siwa Oasis: **NMP**: 90351 - Siwa Oasis (2911N 2531E): **FMNH**: 79677 - Thebes (25 41 59 N 32 34 55 E): **MNHN**: ZM-MO-1881-1600, ZM-MO-1881-1601; **SAMA**: M4404, M4405, M4406, M4407 - West Bank, Valley of the Kings, Tomb of Hutschepsut (25 41 N 32 39 E): **UMMZ**: 161048, 161049, 161050, 161051, 161052, 161053, 161054, 161055, 161056, 161057, 161058, 161059, 161060.

Ethiopia:

Unknown locality: **BMNH**: 1970.472, 1970.473, 1970.474, 1971.658_1, 1971.658_2, 1971.660 - Koma Forest, 5 km N, 20 km W (ca. 07 12 N 36 30 E, 1900 m): **BRTC**: 57911.

Libya:

Unknown locality: **BMNH**: 1936.2.10.1, 1936.2.10.10, 1936.2.10.11, 1936.2.10.12, 1936.2.10.2, 1936.2.10.3, 1936.2.10.4, 1936.2.10.5, 1936.2.10.6, 1936.2.10.7, 1936.2.10.8, 1936.2.10.9 - Murzuk (25 54 16 N 13 53 50 E, 501 m): **SMF**: 11787.

Mali:

Adrar des Iforas (20 00 N 02 00 E): **MNHN**: ZM-MO-1991-1036 - Ibdekène valley (ca. 18 45 N 01 25 E): **MNHN**: ZM-MO-1989-30 - Ménaka (15 55 06 N 02 24 08 E): **MNHN**: ZM-MO-1985-875, ZM-MO-1985-876, ZM-MO-1985-877, ZM-MO-1985-878.

Mauritania:

Aleg, 3 km S (17 02 N 13 55 W): **USNM**: 401388, 401389, 401390, 401391, 401392, 401393, 401394, 401395, 401396, 401397, 401398, 401399, 401400, 401401, 401402, 401403, 401404, 401405, 401406, 401407, 401408, 401409, 401410, 401411, 401412, 401413, 401414, 401415, 401416, 401417, 401418, 401419, 576044, 576045, 576046, 576047, 576048, 576049, 576050, 576051, 576052, 576053 - Atar (20 25 38 N 13 03 54 W, 270 m): **MNHN**: ZM-MO-1993-4319, ZM-MO-1993-4320 - Terjit (20 14 48 N 13 05 13 W, 418 m): **MNHN**: ZM-2008-95 - Touareg Sahara: **MNHN**: ZM-MO-1911-1553.

Morocco:

Unknown locality: **EBD**: MAM 27943; **SMF**: 55212, 55213, 55214, 55215, 55216, 55217, 55218, 55219, 55220, 55221 - Akka (28 36 00 N 09 25 00 W): **RMCA**: 73.041-M-0008, 73.041-M-0009, 73.041-M-0010, 73.041-M-0011, 73.041-M-0012, 73.041-M-0013, 73.041-M-0014, 73.041-M-0015, 73.041-M-0016, 73.041-M-0017, 73.041-M-0018, 73.041-M-0019, 73.041-M-0020, 73.041-M-0021, 73.041-M-0022, 73.041-M-0023, 73.041-M-0024, 73.041-M-0025, 73.041-M-0026, 73.041-M-0027, 73.041-M-0028, 73.041-M-0029, 73.041-M-0030, 73.041-M-0031, 73.041-M-0032, 73.041-M-0033, 73.041-M-0034, 73.041-M-0035, 73.041-M-0036, 73.041-M-0037, 73.041-M-0038, 73.041-M-0039, 73.041-M-0040, 73.041-M-0041, 73.041-M-0042, 73.041-M-0043, 73.041-M-0044, 73.041-M-0045, 73.041-M-0046, 73.041-M-0047, 73.041-M-0048, 73.041-M-0049 - Assa (2836N 092512W, 294 m): **MNHN**: ZM-MO-1985-883, ZM-MO-1985-884; **USNM**: 470612, 470613, 470614, 470615, 470616, 470617, 470618, 470619, 470620, 470621, 470622, 470623, 470624, 470625, 470626, 470627, 470628, 470629, 470630, 470631, 470632, 470633, 470634, 470635, 470636, 470637, 470638, 470639, 470640, 470641, 470642, 470643, 470644, 470645, 470646, 470647, 470648, 470649, 470650, 470651, 470652, 470653, 470654, 470655, 470656, 470657, 476922, 476923, 476924 - Figuig (320700N 011337W, 878 m): **MNHN**: ZM-MO-1985-1498, ZM-MO-1985-1499, ZM-MO-1985-1912 - Kef Azigza cave (32 02 N 03 47 W, 1060 m): **EBD**: MAM 25778 - Meknès (33 54 N 05 33 W, 547 m): **MNHN**: ZM-MO-1985-956, ZM-MO-1985-957, ZM-MO-1985-958, ZM-MO-1985-959, ZM-MO-1985-960, ZM-MO-1985-961, ZM-MO-1985-962, ZM-MO-1985-963, ZM-MO-1985-964, ZM-MO-1985-965, ZM-MO-1985-966, ZM-MO-1985-967, ZM-MO-1985-968, ZM-MO-1985-969, ZM-MO-1985-970, ZM-MO-1985-971, ZM-MO-1985-972, ZM-MO-1985-973 - Merzouga dunes (31 04 16 N 03 59 01 W): **EBD**: MAM 15285, MAM 15310, MAM 15311, MAM 15312, MAM 15313, MAM 15314, MAM 15375, MAM 15376, MAM 15377, MAM 15378.

Niger:

Unknown locality: **BMNH**: 1981.296, 1981.297 - Agadem (16 50 00 N 13 17 00 E, 511 m): **RMCA**: 73.042-M-0001, 73.042-M-0002, 73.042-M-0003, 73.042-M-0004, 73.042-M-0005, 73.042-M-0006, 73.042-M-0007, 73.042-M-0008, 73.042-M-0009, 73.042-M-0010, 73.042-M-0011, 73.042-M-0012, 73.042-M-0013, 73.042-M-0014, 73.042-M-0015, 73.042-M-0016, 73.042-M-0017, 73.042-M-0018, 73.042-M-0019, 73.042-M-0020, 73.042-M-0021 - Arlit (18 44 13 N 07 23 07 E, 439 m): **MNHN**: ZM-MO-1981-15 - Chirfa (20 57 12 N 12 20 26 E, 601 m): **MNHN**: ZM-MO-1962-1092 A, ZM-MO-1962-1092 B - I-N-Gall (16 47 10 N 06 56 10 E, 456 m): **RMCA**: 73.041-M-0071, 73.041-M-0072, 73.041-M-0073, 73.041-M-0074, 73.041-M-0075, 73.041-M-0076, 73.041-M-0077, 73.041-M-0078, 73.041-M-0079, 73.041-M-0080, 73.041-M-0081, 73.041-M-0082, 73.041-M-0083, 73.041-M-0084, 73.041-M-0085, 73.041-M-0086, 73.041-M-0087, 73.041-M-0088, 73.041-M-0089, 73.041-M-0090, 73.041-M-0091, 73.041-M-0092, 73.041-M-0093, 73.041-M-0094, 73.041-M-0095, 73.041-M-0096, 73.041-M-0097, 73.041-M-0098, 73.041-M-0099, 73.041-M-0100, 73.041-M-0101, 73.041-M-0102, 73.041-M-0103, 73.041-M-0104, 73.041-M-0105, 73.041-M-0106, 73.041-M-0107, 73.041-M-0108, 73.041-M-0109, 73.041-M-0110, 73.041-M-0111, 73.041-M-0112, 73.041-M-0113, 73.041-M-0114.

Saudi Arabia:

Dhahran: **CAS**: 9526.

Senegal:

Unknown locality: **MNHN**: ZM-MO-1985-844 - Lodé (16 10 13 N 15 17 43 W): **MNHN**: ZM-MO-1995-1831, ZM-MO-1995-1832, ZM-MO-1995-1833, ZM-MO-1995-1834, ZM-MO-1995-1835, ZM-MO-1995-1836, ZM-MO-1995-1837, ZM-MO-1995-1838 - Ranerou, 13 km NW (1518N 1358W): **USNM**: 410748, 410749, 410750, 410751, 410752, 410753, 410754, 410755, 410756, 410757, 410758, 410759, 410760, 410761, 410762, 410763, 410764, 410765, 410766, 410767, 410768, 410769, 410770, 410771, 410772, 410773, 410774, 410775, 410776, 410777, 576054, 576055 - Ranerou, 7 km SE (1518N 1358W): **USNM**: 410778, 410779, 410780, 410781, 410782, 410783, 410784, 410785, 410786, 410787, 410788, 410789, 410790, 410791, 410792, 410793, 410794, 410795, 410796, 410797, 410798, 410799, 410800, 410801, 410802, 410803, 410804, 410805, 410806, 410807, 576056, 576057, 576058, 576059, 576060, 576061, 576062, 576063, 576064, 576065, 576066, 576067, 576068, 576069, 576070, 576071, 576072, 576073, 576074, 576075, 576113, 576114.

Somalia:

Bender Geoid (1154N 5035E, 0 m): **USNM**: 448825, 448826, 448827, 448828, 448829, 448830, 448831.

Sudan:

Unknown locality: **BMNH**: 1913.10.8.1, 1928.3.11.5, 1928.3.11.6 - Aroma Madart, 13 mi [= 21 km] SSE (ca. 1537N 3622E): **USNM**: 297475 - Kassala: **ROM**: 62605, 77213 - Kassala (152721N 362356E): **FMNH**: 35379 - Omdurman (15 38 10 N 32 16 14 E, 390 m): **ROM**: 85349 - Sennar (13 33 N 33 38 E, 390 m): **MNHN**: ZM-MO-1999-767 - Shendy (16 41 29 N 33 26 03 E, 376 m): **USNM**: 123414.

Tanzania:

Zanzibar (06 10 S 39 20 E): **MNHN**: ZM-MO-1985-843.

The Gambia:

Unknown locality: **BMNH**: 1949.477 - Central River division: **SMF**: 92154 - Janjanbureh (13 32 N 14 46 E, 4 m): **SMF**: 82480 - Toniataba (13 26 N 15 35 W, 21 m): **USNM**: 379391, 379392, 379393, 379394, 379395, 379396, 379397, 379398, 379399, 379400, 379401, 379402, 379403, 379404, 379405, 379406, 379407, 379408, 379409, 379410, 379411, 379412, 379413, 379414, 379415, 379416, 379417, 379418, 381393, 381394, 381395, 381396.

Tunisia:

Unknown locality: **SMF**: 41637, 41638, 41639, 41640, 41641, 41642, 41643, 41644, 41645, 41646, 41647, 41648, 41649, 41650, 41651, 41652, 41653, 41654, 41655, 41656, 41657, 41658, 41659, 41660, 41661, 41662, 41663, 41664, 41665, 41666, 41667, 41668, 41669, 41670, 41671, 41672, 41673, 41674, 41675, 41676, 41677, 41678, 41679, 41680, 41681, 41682, 41683, 41684, 41685, 41686, 41687 - Djerba (33 48 N 10 54 E): **MNHN**: ZM-MO-1911-1753 - Djerba island (33 48 N 10 54 E): **MNHN**: ZM-MO-1911-1752 - El Hamma: **HNHM**: 81.78.1, 81.78.10, 81.78.11, 81.78.12, 81.78.2, 81.78.3, 81.78.4, 81.78.5, 81.78.6, 81.78.7, 81.78.8, 81.78.9 - Gabès governorate: **SMF**: 43150, 43151, 43152, 43153, 43154, 43155, 43156, 43157, 43158, 43159, 43160, 43161, 43162, 43163, 43164, 43165, 43166, 43167, 43168, 43169, 43170, 43171, 43172, 43173, 43174, 43175, 43176, 43177, 43178, 43179, 43180, 43181, 43182, 43183, 43184, 43185, 43186, 43187, 43188, 43189, 43190, 43191, 43192, 43193, 43194, 43195, 43196, 43197, 43198, 43199, 43200, 43201, 43202, 43203, 43204, 43205, 43206, 43207, 43208, 43209, 43210, 43211, 43212, 43213, 43214, 43215, 43216, 43217, 43218, 43219, 43220, 43221, 43222, 43223, 43224, 43225, 43226, 43227, 43228, 43229, 43230, 43231, 43232, 43233, 43234, 43235, 43236, 43237, 43238, 43239, 43240, 43241, 43242, 43243, 43244, 43245, 43246, 43247, 43248, 43249, 43250, 43251, 43252, 43253, 43254, 43255, 43256, 43257, 43258, 43259, 43260, 43261, 43262, 43263, 43264, 43265, 43266, 43267, 43268, 43269, 43270, 43271, 43272, 43273, 43274, 43275, 43276, 43277, 43278, 43279, 43280, 43281, 43282, 43283, 43284, 43285, 43286, 43287, 43288, 43289, 43290, 43291, 43292, 43293, 43294, 43295, 43296, 43297, 43298, 43300, 43301, 43302, 43303, 43304, 43305, 43306, 43307, 43308, 43309, 43310, 43311, 43312, 43313,

43314, 43315, 43316, 43317, 43318, 43319, 43320, 43321, 43322, 43323, 43324, 43325, 43326, 43327, 43328, 43329, 43330, 43331, 43332, 43333, 43334, 43335, 43336, 43337, 43338, 43339, 43340, 43341, 43342, 43343, 43344, 43345, 43346, 43347, 43348, 43349, 43350, 43351, 43352, 43353, 43354, 43355, 43356, 43357, 43358 - M'Dilla abandoned Phosphate mines: **TTU**: 72138, 72139, 72140, 72154, 72155, 72156 - near Aioun Ameur: **FMNH**: 152609 - Nefzaoua (ca. 33 30 N 09 00 E): **MNHN**: ZM-MO-1884-2020 - Oasis Tozeur: **LACM**: 19330, 19331, 19332, 19333 - on GP 3 in underground aquduct: **TTU**: 72103, 72104, 72105, 72106, 72107, 72108, 72109, 72110, 72111, 72112, 72113, 72114, 72115, 72116, 72117, 72118, 72119, 72120, 72121, 72122, 72123, 72124, 72125, 72126, 72127, 72128, 72129, 72130, 72131, 72132, 72133, 72134, 72135, 72136, 72137 - on road to Aioun Ameur, cave with mine: **TTU**: 72142, 72143, 72144, 72145, 72146, 72147, 72150, 72151, 72152, 72153 - on road to Aioun Ameur, cave with mine, mistnetted at high roost: **TTU**: 72148 - on road to Aioun Ameur, night roost in escarpment: **TTU**: 72149 - Stil Date Grove: **TTU**: 72141 - Tozeur (33 55 14 N 08 08 00 E, 42 m): **SMF**: 21144, 21145, 21146, 21147, 21148, 21149, 21150, 21151, 21154, 21155, 21156, 21157, 21160, 21162, 21163, 21164, 21165, 21167, 21168, 21169, 21170, 21172, 21176, 21177, 21178, 21179, 21180, 21181, 21183, 21184, 21185, 21186, 21187, 21189, 21190, 21191, 21192, 21194, 21195, 21196, 21197, 21198, 21199, 21200, 21201, 21202, 21203, 21204, 21205, 21206, 21207, 21208, 21209, 21210, 21211, 21212, 21216, 21218, 21219, 21220, 21221, 21222, 21223, 21224, 21225, 21226, 21227, 21228, 21229, 21230, 21231, 21232, 21233, 21234 - Tozeur, 12 km N: **FMNH**: 152610, 152611.

Doryrhina cyclops (Temminck, 1853)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1852-258, ZM-MO-1983-1638 A, ZM-MO-1983-1638 B; **ZMA**: MAM.17018, MAM.17205.

Benin:

Kpodave (06 49 N 01 46 E): **USNM**: 438930.

Burundi:

Giserama Colline (025027S 292507E, 1670 m): **FMNH**: 148981 - Giserama Colline (025027S 292507E, 1950 m): **FMNH**: 148982 - Giserama Colline (025027S 292507E, 2100 m): **FMNH**: 148983.

Cameroon:

Unknown locality: **BMNH**: 1911.7.10.2, 1914.1.24.5, 1948.6471, 1948.648, 1948.649, 1948.650, 1948.659, 1948.660, 1948.661, 1948.662, 1948.663, 1948.664, 1948.665, 1989.717, 1989.718, 1989.719; **SMF**: 6362; **ZMB**: 62567, 67748, 67759 - Alen (02 23 00 N 10 34 00 E, 197 m): **RMCA**: 73.018-M-0115, 73.018-M-0193 - Bebai: **ZMB**: 67749, 67750 - Bele / Adjola (02 12 00 N 14 37 00 E): **RMCA**: 92.086-M-0001 - Bertoua, 30 km W (0435N 1325E): **AMNH**: 241046, 241109 - Bimbia (03 57 16 N 09 14 42 E, 98 m): **ROM**: 39052 - Bipindi (0305N 1025E, 184 m): **AMNH**: 89560, 89561, 89562 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 67752, 67753, 67754, 67755, 67756, 67757, 67758, T10541 - Bokwango (0409N 0912E, 1219m): **ROM**: 69041 - Buea station, 2 km S (0409N 0912E): **ROM**: 68953 - Bunduma Village (0411N 0913E): **ROM**: 69088 - Dijgan: **MNHN**: ZM-MO-2000-447 - Douala-Edéa Game Reserve (03 30 N 09 50 E): **MSB**: 37692, 37693, 37694, 37695, 37696, 37697, 37698, 37699, 37700, 37701, 37702, 37703, 37704, 37705, 37706, 37707 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **MCZ**: 14792 - Efulén (02 47 00 N 10 32 00 E, 421 m): **USNM**: 125439, 83623, 83624 - Ekona (0415N 0919E): **ROM**: 58368, 58369, 58370, 58371 - Eséka (0340N 1045E): **AMNH**: 236307, 236308, 236309, 236310, 236311, 236312, 236313, 236314 - Eséka, 5 km SW (ca. 0340N 1045E): **AMNH**: 236315 - Eséka, 6 km SE (ca. 0340N 1045E): **AMNH**: 236316 - Isongo [=Izongo] (0405N 0901E, 30 m): **ZMB**: 54912, 54913, 54914, 54915, 93802, 93803, 93804 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55650 - Lombé (03 38 02 N 09 59 10 E, 1 m): **MSB**: 37653 - Lower Ekona (0415N 0924E): **ROM**: 55636, 55637, 55638 - Ma'an (02 22 N 10 38 E): **EBD**: MAM 14886, MAM 14887, MAM 14888 - Metet (0326N 1143E): **MCZ**: 14793, 14794, 14795 - Metet (0326N 1143E, 989 m): **AMNH**: 54434 - Meyo Nkoulou (02 16 00 N 11 02 00 E): **RMCA**: 73.018-M-0106, 73.018-M-0107, 73.018-M-0108, 73.018-M-0109, 73.018-M-0110, 73.018-M-0111, 73.018-M-0112, 73.018-M-0113, 73.018-M-0114, 73.018-M-0194 - Miéri (04 15 00 N 13 59 00 E, 611 m): **RMCA**: 76.014-M-0239, 76.014-M-0240 - Muyuka [= Muea] (0415N 0924E): **YPM**: MAM 014580 - Muyuka [= Muea] (0416N 0924E): **ROM**: 58291 - Ngoumé (05 29 00 N 11 24 00 E, 681 m): **RMCA**: 77.032-M-0196 - Nojole, 12 km S: **ROM**: 56110 - Olounou (02 49 00 N 12 08 00 E, 658 m): **RMCA**: 73.016-M-0307, 73.016-M-0308 - Sakbayeme (0402N 1034E): **FMNH**: 43577, 43578 - Sou Mou River (0315N 1124E): **ROM**: 56173 - Soumou River (0315N 1124E): **ROM**: 56174 - Tisongo, Lake (0325N 0954E): **USNM**: 511925, 511951, 511952, 511953 - Zoulabot II (02 54 00 N 13 53 00 E, 517 m): **RMCA**: 75.056-M-0070.

Central African Republic:

Bangoran (08 04 51 N 20 20 43 E, 418 m): **MNHN**: ZM-MO-2000-928 - Boukoko (035400N 175600E): **MNHN**: ZM-MO-1984-194, ZM-MO-1985-791 - Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268374, 268376, 268380, 269893 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-240, ZM-MO-1984-241, ZM-MO-1984-242, ZM-MO-1985-782, ZM-MO-1985-783.

Congo:

Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1883-33.

Congo (Democratic Republic of the):

40 mi [=64 km] SW Irumu (01 00 00 N 29 16 00 E): **BMNH**: 1930.11.11.45 - Aba (03 52 00 N 30 14 00 E, 890 m): **RBINS**: 13332 - Abatupi river (00 45 N 29 49 E, 700 m): **INPBC**: V1285.5, V1290.1, V1290.2, V1290.3, V1290.4, V1290.5, V1290.6, V1290.7, V1290.8 - Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V1852.2 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 49098 (Holotype *Hipposideros langi*), 49099, 49404; **BMNH**: 1914.4.8.3; **FMNH**: 43878; **MCZ**: 17370; **RMCA**: 1606b - Baliko (00 16 S 20 49 E, 358 m): **FMNH**: 219601 - Beni (00 30 00 N 29 28 00 E, 853 m): **RMCA**: 3243 - Bikoro (00 45 00 S 18 07 00 E, 344 m): **MCZ**: 48219, 48220, 48221, 48222, 48223, 48224 - Bomane (01 18 N 23 47 E, 429 m): **UNIKIS**: CRT2067 - Bozade (02 56 41 N 19 17 32 E): **MHNG**: 1870.045 - Buluku river (04 33 N 29 49 E): **RBINS**: 13678.1, 13678.2 - Buta (02 48 N 24 44 E, 434m): **RBINS**: 13334, 13335 - Bwirina (00 39 N 29 43 E, 900 m): **INPBC**: V1661.4, V1662.1, V1662.2, V1662.3 - Congo river, 75 mi up: **USNM**: 102512 - Dedegwa river (04 35 00 N 29 43 00 E): **RBINS**: 13676, 13677.1, 13677.2, 13677.3, 13677.4, 13677.5, 13677.6; **RMCA**: 36820, 36821, 36822 - Djelube river, lower (00 35 N 29 40 E, 850 m): **INPBC**: V1093.1 - Djelube river, middle (00 31 00 S 29 44 00 E, 1100 m): **INPBC**: V1078.3, V1100 - Epulu (012345N 283440E, 750 m): **KU**: 151340; **RMCA**: 90.031-M-0004 - Fatakit (02 00 N 30 34 E, 1611 m): **RBINS**: 18529.1, 18529.2, 18529.3 - Inimvua (04 35 00 N 29 43 00 E, 1061 m): **RBINS**: 13505, 13674.1, 13674.2, 13674.3, 13674.4; **RMCA**: 36818, 36819 - Irumu, 40 mi [=64 km] SW (01 00 00 N 29 16 00 E): **BMNH**: 1930.11.11.146, 1930.11.11.147, 1930.11.11.148, 1930.11.11.149, 1930.11.11.150 - Kabemba (00 34 N 29 41 E, 800

m): **INPBC**: V1657 - Liki (00 07 S 029 34 E): **RBINS**: 13333 - Lovanium university (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 31201 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86858, 86863, 86866, 86909 - Makayova river (00 43 N 29 43 E, 750 m): **INPBC**: V1257.2 - Malulu (00 32 N 29 35 E): **INPBC**: V185 - Mamudioma (00 40 N 029 38 E, 1000 m): **INPBC**: W1152 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0327, 93.079-M-0328 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 49093, 49094, 49095, 49096; **RMCA**: 12379 - Mogbwamu river (04 35 00 N 29 44 00 E): **RBINS**: 13502, 13503, 13669.1, 13669.2, 13669.3, 13669.4; **RMCA**: 36808, 36809, 36810, 36811, 36812, 36813a, 36813b, 36814, 36815 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 49097, 49415; **FMNH**: 43879 - Niapu (02 25 00 N 26 28 00 E, 619 m): **AMNH**: 49391 - Obenge (01 23 S 025 02 E): **UNIKIS**: TLL361, TLL364, TLL365, TLL366 - Parc National de Garamba (04 10 N 29 30 E): **RBINS**: 13675 - Pidigala river (04 35 00 N 29 32 00 E): **RBINS**: 13672, 13673 - PNFK.16 (04 25 N 29 47 E): **RBINS**: 13668.1, 13668.2 - Ruanoli-Mavea confluence (00 40 00 N 29 43 00 E, 800 m): **INPBC**: V1668.1, V1668.3.3 - Rwere Rwindi (00 47 S 29 18 E): **INPBC**: V1325.1, V1325.2 - Taere river (04 33 N 29 47 E): **RBINS**: 13670, 13671 - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 537712 - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT2367, CRT2368 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537711.

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-3220, 97.077-M-3235, 97.077-M-3244, 97.077-M-3258, 97.077-M-3356, 97.077-M-3357, 97.077-M-8303; **SMF**: 81920, 84393, 91920, 91921, 92052 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 35673, 97.077-M-3188 - Blékoum (06 22 30 N 03 32 32 W, 94 m): **RMCA**: 97.077-M-3241 - Bouaké (07 41 N 05 01 59 W, 312 m): **FMNH**: 99038, 99039, 99040 - Ehania (05 14 00 N 02 46 00 W, 70 m): **RMCA**: 97.077-M-3174, 97.077-M-3175, 97.077-M-3240 - Guéboua (05 59 02 N 05 41 21 W, 227 m): **RMCA**: 97.077-M-3176, 97.077-M-3177; **ZMA**: MAM.18246 - Kanan-Koffi-Kro (06 58 00 N 05 14 00 W, 217 m): **RMCA**: 97.077-M-3153, 97.077-M-3154 - Lakota, 15 km N (0550N 0540W): **AMNH**: 239398, 239399, 239400 - Lamto (06 12 00 N 05 02 00 W): **RMCA**: 35744 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-587, ZM-MO-1985-588, ZM-MO-1993-508, ZM-MO-1993-509; **ROM**: 80316 - Parc National de Tai (ca. 05 50 N 07 20 W): **ROM**: 100513.

Equatorial Guinea:

Unknown locality: **BMNH**: 1898.5.4.4, 1900.2.5.10 - Benito River, 30 mi from mouth (0136N 1003E, 76 m): **FMNH**: 8232 - Bioko Island (0330N 0842E): **AMNH**: 183826.

Gabon:

Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-1879-2121 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **ZMA**: MAM.19685, MAM.19686 - Bengoué (00 58 S 09 11 E, 0 m): **MNHN**: ZM-MO-1985-1430 - Booué (00 06 00 S 11 56 00 E, 175 m): **MNHN**: ZM-MO-1947-219, ZM-MO-1947-220 - Cap Esterias (003700N 092000E): **FMNH**: 73831 - Como River (0009N 0949E): **BMNH**: 1897.12.1.7 (Holotype *Rhinolophus micaceus*) - Kango (000900N 100800E, 30 m): **AMNH**: 120264 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1985-781 - Moukalaba Reserve (0217S 1030E, 110 m): **FMNH**: 167772, 167773 - Mperi (0141S 094100E): **USNM**: 220900, 220901.

Ghana:

Unknown locality: **BMNH**: 1908.8.6.12, 1910.10.23.5, 1911.6.2.3, 1925.10.24.13, 1972.189, 1977.383 - Ash Mampong (07 06 N 01 19 W): **ROM**: 49097, 49098, 49099 - Berekuso, 1 mi N (0546N 0013W): **USNM**: 412102, 412103, 412104, 412105, 412106, 412107, 412108, 412109, 412110, 412111, 412112, 412113, 412114 - Bogoso (05 34 N 02 01 W, 84 m): **ROM**: 52031, 52032, 52033, 52034 - Butre (0449N 0155W): **USNM**: 414216, 414217, 414218, 414219, 414220, 414221, 414222, 414223, 414224, 414225, 414226, 414227 - Elemina (05 05 N 01 21 W, 0 m): **ROM**: 56528 - Krobo mountain (0605N 0003E): **USNM**: 412098, 412099, 412100, 412101 - Kumasi (06 41 N 01 37 W, 246 m): **ROM**: 56525, 56527 - Kumasi Agricultural Station (06 45 N 01 34 W, 246 m): **AMNH**: 233899, 233900, 233901, 233902 - Kumasi, UST Agricultural Farm (06 45 N 01 34 W, 246 m): **ROM**: 49107, 49111, 49112 - Leklebi Agbesia (0656N 0029E): **USNM**: 424853, 424854, 424855, 424856, 424857 - Mampong (07 04 N 01 24 W, 385 m): **ROM**: 62341, 62342 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 412097 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 54496, 54497, 55748, 55765, 55766, 62248; **USNM**: 439936, 439937, 439938, 479426 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424852 - Subinja (07 44 N 02 04 W, 290 m): **USNM**: 414980, 414981, 414982, 479425 - Volta region: **SMF**: 92134 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **ROM**: 62356.

Guinea:

Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1985-1125.

Kenya:

Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 36321, 75626 - Mrima Hill (04 29 07 S 39 15 47 E): **ZMA**: MAM.23457.

Liberia:

Unknown locality: **BMNH**: 1967.1451, 1967.1452, 1967.1453, 1977.382, 1979.501_1, 1979.501_2, 1979.503_1, 1979.503_2; **DNSM**: 12626; **RMCA**: 80.036-M-0030; **RMNH**: MAM.21329, MAM.21330; **SMF**: 87679, 87680, 87681 - Kassata: **MCZ**: 24330 - Paul Town (07 00 N 09 40 00 W): **RMCA**: 80.043-M-0010 - Tchien, 7 km N (ca. 06 05 N 08 07 W): **AMNH**: 239401, 239402 - Zozoma (082500N 094700W): **AMNH**: 257049.

Nigeria:

Ayip Eku (0535N 0845E): **ROM**: 86931 - Omo Forest Reserve (065049N 042217E): **ROM**: 77727.

Senegal:

Assirik (12 53 N 12 43 W): **IVB**: S02-61, S02–61 - Badi (13 09 00 N 13 14 00 W, 34 m): **IVB**: S747.

Sierra Leone:

Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547002, 547003, 547004.

South Sudan:

Issore (0354N 3248E, 1219 m): **FMNH**: 78170 - Palwar (0355N 3236E, 1237 m): **FMNH**: 79635, 79636.

Tanzania:

Kwambumi Forest Reserve (0457S 3844E, 230 m): **FMNH**: 153929 - Mangula (0751S 3652E, 350 m): **FMNH**: 158592, 158624 - Tanga region: **SMF**: 79599, 88506, 93370.

The Gambia:

Bathurst, 8 mi [= 13 km] W (ca. 13 28 N 16 39 W): **USNM**: 377563.

Togo:

Ezimé (07 29 00 N 00 56 00 E, 344 m): **USNM**: 437731 - Nanergou (10 55 00 N 00 09 00 E, 303 m): **RMCA**: 73.009-M-0605 - Odjolo (07 32 00 N 01 02 00 E): **RMCA**: 73.054-M-0208.

Uganda:

Unknown locality: **BMNH**: 1952.1607 - Budongo Forest (014416N 313322E, 4000 ft): **MCZ**: 40829 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 164973 - Budongo Forest (0146N 3133E, 1219 m): **ROM**: 46736 - Budongo Forest

(0146N 3133E, 1249 m): **ROM**: 91167 - Budongo Forest (0146N 3133E, 1372 m): **ROM**: 46633 - Budongo Forest Royal mile (0142N 3132E): **FMNH**: 165160 - Bwainba (0050N 3003E, 762 m): **FMNH**: 73076 - Bwamba (0050N 3003E): **AMS**: M.29300 - Nabea (014416N 313322E): **USNM**: 237047, 237048, 237049, 237050, 237223, 237224, 237225, 237226 - Ngogo (00 30 22 N 30 25 34 E): **FMNH**: 224066, 224067, 224068 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 165159 - Toro (0030N 3000E, 762 m): **ROM**: 38362, 38363, 38364, 38365, 38366, 38367.

Hipposideros Gray, 1831

Cameroon:

Banga Bakundu (ca. 0450N 0920E): **YPM**: MAM 014579 - Sakbayeme (0402N 1034E): **MCZ**: 22334.

Congo (Democratic Republic of the):

Abatupi river (00 45 N 29 49 E, 700 m): **INPBC**: V1057.2b - Île Mafi (00 28 20 N 25 17 00 E): **UNIKIS**: ABCHIMAF12 - Irangi, slightly E of (ca. 01 54 S 28 27 E): **ZMA**: MAM.24182, MAM.24183, MAM.24184 - Luhoho (01 30 20 S 028 05 51 E): **ZMA**: MAM.24187, MAM.24188 - Musenge (01 37 S 28 18 E): **ZMA**: MAM.24553 - Obenge (01 23 S 025 02 E): **UNIKIS**: TLL390, TLL393 - Uma (00 32 21 N 025 54 05 E, 508 m): **UNIKIS**: UMA504, UMA618, UMA619 - Yoko (00 17 N 25 17 E): **UNIKIS**: GE128, GE318.

Gabon:

Batouala (00 48 N 13 26 E, 489 m): **ZMA**: MAM.07827, MAM.07829, MAM.19472, MAM.19476 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **ZMA**: MAM.07819, MAM.07820, MAM.07821, MAM.07823, MAM.07824, MAM.07825, MAM.07826, MAM.25129 - Grottes de Massa (01 07 N 13 09 E): **ZMA**: MAM.08291, MAM.08341, MAM.08407 - Loa-loa (rapids) (00 32 26 N 12 51 07 E): **ZMA**: MAM.19704.

Guinea:

Sérédou (08 22 56 N 09 17 59 W): **MNHN**: ZM-MO-1970-468.

Kenya:

Unknown locality: **RMNH**: MAM.46014 - Lukore (04 13 S 39 25 E): **ZMA**: MAM.21696 - Maragoro: **AMNH**: 55576.

Liberia:

Mount Nimba (07 30 00 N 08 30 00 W): **MNHN**: ZM-MO-1992-173 A, ZM-MO-1992-173 B.

Madagascar:

Sarondrano caves (23 30 37 S 43 44 07 E): **MNHN**: ZM-MO-1912-53 A, ZM-MO-1912-53 B, ZM-MO-1912-53 C, ZM-MO-1912-53 D, ZM-MO-1912-53 E, ZM-MO-1912-53 F, ZM-MO-1912-53 G.

Namibia:

Otjimbingwe (22 21 S 16 08 E, 844 m): **TM**: 42810.

Niger:

Tapoa, 2 km E (12 36 N 02 29 E): **USNM**: 462785.

Nigeria:

Dada (1134N 0429E): **USNM**: 576111 - Shagunu (10 20 N 04 28 E, 77 m): **USNM**: 381319, 381320, 410569, 410570, 410571, 410572, 410573, 410574, 410575, 410576, 410577, 410578, 410579, 410580, 410581, 410582, 410583, 410584, 410585, 410586, 410587, 410588, 410589, 410590, 410591, 410592, 410593, 410594, 410595, 410596, 410597, 410598, 410599, 410600, 410601, 410602, 410603, 410604, 410605, 410606, 410607, 410608, 410609, 410610, 410611, 410612, 410613, 410614, 410615, 410616, 410617, 410618, 410619, 410620, 410621, 410622, 410623, 410624, 410625, 410626, 410627, 410628, 410629, 410630, 410631, 410632, 410633, 410634, 410635, 410636, 410637, 410638, 410639, 410640, 410641, 410642, 410643, 410644, 410645, 410646, 410647, 410648, 410649, 410650, 410651, 410652, 410653, 410654, 410655, 410656, 410657, 410658, 410659, 410660, 410661, 410662, 410663, 410664, 410665.

South Sudan:

Andari Payam, Bangangai Game Reserve, location 7 (04 52 28 N 27 40 53 E, 694 m): **USNM**: 586775, 586777 - Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586787, 586803, 586805, 586810, 586825, 586827, 586828, 586839, 586842, 586844, 586847 - Bangangai Game Reserve, location 1 (04 54 20 N 27 42 19 E, 698 m): **USNM**: 587279, 587280 - Bangangai Game Reserve, location 4 (04 53 43 N 27 42 44 E, 685 m): **USNM**: 587229 - Bangangai Game Reserve, location 5 (04 54 02 N 27 41 58 E, 691 m): **USNM**: 587248, 587252, 587253 - Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586763, 586764, 586773 - Central Payam, Bandala Boma, ca. 10 km W Sue River, W border Southern National Park), location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586782 - Kijiri Village (03 45 00 N 31 35 00 E, 897 m): **USNM**: 587747, 587751 - Kinyiba Cave (03 49 48 N 31 34 40 E, 949 m): **USNM**: 586919, 586920, 586921, 586925, 586927, 586928, 586929, 586930, 586931, 586932, 586933, 586934, 586935 - Kungupuri (Bekat) Stream (03 52 47 N 31 38 42 E, 931 m): **USNM**: 586967 - Mere (government offices) (03 53 06 N 31 40 14 E, 1022 m): **USNM**: 587004, 587005, 587007, 587008, 587009, 587010, 587011.

Tanzania:

Kele (0106S 3131E): **FMNH**: 166976 - Mlumbaji Stream camp (ca. 0824S 3541E): **FMNH**: 183105 - Nyumbanitu Forest (0751S 3622E, 1400 m): **FMNH**: 169535 - Nyumbanitu Forest Reserve (0751S 3622E): **FMNH**: 182928 - Tong'omba Forest Reserve (08 25 S 39 01 E): **FMNH**: 183246.

Uganda:

Busingiro Camp Site (0143N 3128E): **FMNH**: 164972 - Mainaro (00 21 27 N 30 23 13 E): **FMNH**: 224101 - Sukuli Hills (0040N 3410E): **CAS**: 24693, 24694, 24695, 24696, 24697, 24698, 24699, 24700, 24701, 24702, 24703, 24704, 24705, 24706 - Tororo (004105N 341052E, 1185 m): **CAS**: 24707.

Zambia:

Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33959.

Hipposideros besaoka Samonds, 2007

Madagascar:

Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], TW-10 deposit (1532S 4653E): **UA**: 9218, 9219, 9220, 9221, 9222, 9223, 9224, 9225, 9226, 9227, 9228, 9229, 9230, 9231, 9232, 9233, 9234, 9235, 9236, 9237, 9238, 9239, 9240, 9241, 9242, 9243, 9244, 9245, 9246, 9247, 9248, 9249, 9250, 9251, 9252, 9253, 9254, 9255, 9256, 9257, 9258, 9259, 9260, 9261, 9262, 9263, 9264, 9265, 9266, 9267, 9268, 9269, 9270, 9271, 9272, 9273, 9274, 9275, 9276, 9277,

9278, 9279, 9280, 9281, 9282, 9283, 9284, 9285, 9286, 9287, 9288, 9289, 9290, 9291, 9292, 9293, 9294, 9295, 9296, 9297, 9298, 9299, 9300, 9301, 9302, 9303, 9304, 9305, 9306, 9307, 9308, 9309, 9310, 9311, 9312, 9313, 9314, 9315, 9316, 9317, 9318, 9319, 9320, 9321, 9322, 9323, 9324, 9325, 9326, 9327, 9328, 9329, 9330, 9331, 9332, 9333, 9334, 9335, 9336, 9337, 9338, 9339, 9340, 9341, 9342, 9343, 9344, 9345, 9346, 9347, 9348, 9349, 9350, 9351, 9352, 9353, 9354, 9355, 9356, 9357, 9358, 9359, 9360, 9361, 9362, 9363, 9364, 9365, 9366, 9367, 9368, 9369, 9370, 9371, 9372, 9373, 9374, 9375, 9376, 9377, 9378, 9379, 9380, 9381, 9382, 9383, 9384, 9385, 9386, 9387, 9388, 9389, 9390, 9391, 9392, 9393, 9394, 9395, 9396, 9397, 9398, 9399, 9400, 9401, 9402, 9403, 9404, 9405, 9406, 9407, 9408, 9409, 9410, 9411, 9412, 9413, 9414, 9415, 9416, 9417, 9418, 9419, 9420, 9421, 9422, 9423, 9424, 9425, 9426, 9427, 9428, 9429, 9430, 9431, 9432, 9433, 9434, 9435, 9436, 9437, 9438, 9439, 9440, 9441, 9442, 9443, 9444, 9445, 9446, 9447, 9448, 9449, 9450, 9451, 9452, 9453, 9454, 9455, 9456, 9457, 9458, 9459, 9460, 9461, 9462, 9463, 9464, 9465, 9466, 9467, 9468, 9469, 9470, 9471b, 9471c, 9471d, 9471e, 9471f, 9471g, 9471h, 9471i, 9471j, 9471k, 9471l, 9471m, 9471n, 9471o, 9471p, 9471q, 9471r, 9471s, 9471t, 9471u, 9471v, 9471w, 9471x, 9471y, 9472a, 9472b, 9472c, 9472d, 9472e, 9472f, 9472g, 9472h, 9472i, 9472j, 9472k, 9472l, 9472m, 9472n, 9472o, 9472p, 9472q, 9473, 9474, 9475, 9476, 9477, 9478, 9479a, 9479aa, 9479ab, 9479ac, 9479ad, 9479ae, 9479af, 9479ag, 9479ah, 9479ai, 9479aj, 9479ak, 9479al, 9479am, 9479an, 9479ao, 9479ap, 9479aq, 9479ar, 9479as, 9479at, 9479au, 9479av, 9479aw, 9479ax, 9479ay, 9479az, 9479b, 9479ba, 9479bb, 9479bc, 9479bd, 9479be, 9479bf, 9479bg, 9479bh, 9479bi, 9479bj, 9479bk, 9479bl, 9479bm, 9479bn, 9479bo, 9479bp, 9479bq, 9479br, 9479bs, 9479bt, 9479bu, 9479bv, 9479bw, 9479bx, 9479by, 9479bz, 9479c, 9479ca, 9479cb, 9479cc, 9479cd, 9479ce, 9479cf, 9479cg, 9479ch, 9479ci, 9479cj, 9479ck, 9479cl, 9479cm, 9479cn, 9479co, 9479cp, 9479cq, 9479cr, 9479cs, 9479ct, 9479cu, 9479cv, 9479cw, 9479cx, 9479cy, 9479cz, 9479d, 9479da, 9479db, 9479dc, 9479dd, 9479de, 9479df, 9479dg, 9479dh, 9479di, 9479dj, 9479dk, 9479dl, 9479dm, 9479e, 9479f, 9479g, 9479h, 9479i, 9479j, 9479k, 9479l, 9479m, 9479n, 9479o, 9479p, 9479q, 9479r, 9479s, 9479t, 9479u, 9479v, 9479w, 9479x, 9479y, 9479z, 9480a, 9480b, 9480c, 9480d, 9480e, 9480f, 9480g, 9480h, 9480i, 9480j, 9480k, 9480l, 9480m, 9480n, 9480o, 9480p, 9480q, 9480r, 9480s, 9480t, 9480u, 9480v, 9480w, 9480x, 9480y, 9481, 9482, 9483, 9484, 9485, 9486, 9487, 9488, 9489, 9490, 9491, 9492, 9493, 9494, 9495, 9496, 9497, 9498, 9499, 9500, 9501, 9502, 9503, 9504, 9505, 9506, 9507, 9508, 9509, 9510, 9511, 9512, 9513, 9514, 9515, 9516, 9517, 9518, 9519, 9520, 9521, 9522, 9523, 9525, 9526, 9527, 9528a, 9528b, 9528c, 9528d, 9528e, 9528f, 9528g, 9528h, 9528i, 9528j, 9528k, 9528l, 9528m, 9528n, 9528o, 9528p, 9528q, 9528r, 9528s, 9528t, 9528u, 9528v, 9528w, 9528x, 9528y, 9528z, 9529a, 9529b, 9529c, 9529d, 9529e, 9529f, 9529g, 9529h, 9529i, 9529j, 9529k, 9529l, 9529m, 9529n, 9529o, 9529p, 9529q, 9529r, 9529s, 9529t, 9529u, 9529v, 9529w, 9529x, 9530, 9531, 9532, 9533, 9534a, 9534b, 9534c, 9535a, 9535b, 9535c, 9535d, 9535e, 9535f, 9536a, 9536b, 9536c, 9536d, 9537, 9538, 9539, 9540a, 9540b, 9540c, 9540d, 9540e, 9540f, 9540g, 9540h, 9541d, 9541e, 9541f, 9541g, 9541h, 9541i, 9541j, 9541k, 9541l, 9541m, 9541n, 9541o, 9541p, 9541q, 9541r, 9541s, 9541t, 9541u, 9542a, 9542b, 9542c, 9542d, 9542e, 9542f, 9542g, 9542h, 9542i, 9543a, 9543b, 9543c, 9543d, 9543e, 9543f, 9543g, 9544a, 9544b, 9544c, 9544d, 9544e, 9544f, 9545a, 9545b, 9545c, 9545d, 9545e, 9545f, 9546a, 9546b, 9546c, 9546d, 9546e, 9546f, 9547a, 9547b, 9548, 9549a, 9549b, 9550a, 9550b, 9550c, 9550d, 9551a, 9552.

Hipposideros abae J.A. Allen, 1917

"Africa":

Unknown locality: **MNHN**: ZM-MO-1999-1021; **ZMA**: MAM.26214.

Benin:

Awaya (07 45 N 02 15 E): **NMP**: 91850, 91851.

Burkina Faso:

Unknown locality: **BMNH**: 1985.1134 - Diebougou (10 57 N 03 15 W, 984 ft): **SMF**: 60987, 60988 - Djipologo (1056N 0307W): **USNM**: 468074, 468075, 468076 - Orodara, 27 km ENE (1104N 0441W): **USNM**: 468073.

Cameroon:

Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0235.

Central African Republic:

Unknown locality: **MNHN**: ZM-MO-2001-1954 - Bamingui-Bangoran National Park (0755N 2015E, 469 m): **BMNH**: 1981.232 - Bangoran (08 04 51 N 20 20 43 E, 418 m): **MNHN**: ZM-MO-2000-932, ZM-MO-2000-984 - Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-2000-983 - Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268375, 268377 - Koumbala (Camp) (0729N 2113E, 600 m): **MNHN**: ZM-MO-2000-929, ZM-MO-2000-981, ZM-MO-2000-982 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-930, ZM-MO-2000-931, ZM-MO-2000-933, ZM-MO-2000-934, ZM-MO-2000-935, ZM-MO-2000-936, ZM-MO-2000-937, ZM-MO-2000-938, ZM-MO-2000-939, ZM-MO-2000-940, ZM-MO-2000-941, ZM-MO-2000-942, ZM-MO-2000-943, ZM-MO-2000-944, ZM-MO-2000-945, ZM-MO-2000-946, ZM-MO-2000-947, ZM-MO-2000-948, ZM-MO-2000-949, ZM-MO-2000-950, ZM-MO-2000-951, ZM-MO-2000-952, ZM-MO-2000-953, ZM-MO-2000-954.

Congo (Democratic Republic of the):

Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 49120, 49121, 49122, 49123 (Holotype *Hipposideros abæ*), 49124, 49125, 49128, 49129, 49130, 49146, 49147, 49148, 49149, 49150, 49151, 49152, 49153, 49154, 49155, 49156, 49157, 49158, 49159, 49160, 49161, 49162, 49163, 49164, 49165, 49166, 49167, 49169, 49170; **MCZ**: 17371, 17372; **RMCA**: 12366, 12367; **TM**: 4564 - Aka (04 35 00 N 29 42 00 E): **RBINS**: 13684.1; **RMCA**: 36694, 36837 - Cel II (ca. 03 55 00 N 29 22 00 E): **RBINS**: 13679, 13681, 13684.2 - Digba (04 24 00 N 25 47 00 E, 629 m): **RMCA**: 82.031-M-0005 - Keroma (043500N 293200E): **RBINS**: 13683, 13790.01, 13790.02, 13790.03, 13790.04, 13790.05, 13790.06, 13790.07, 13790.08, 13790.09, 13790.10, 13790.11, 13790.12, 13790.13, 13790.14, 13790.15, 13790.16, 13790.17, 13790.18, 13790.19, 13790.20, 13790.21, 13790.22, 13790.23, 13790.24, 13790.25, 13791.01, 13791.02, 13791.03, 13791.04, 13791.05, 13791.06, 13791.07, 13791.08, 13791.09, 13791.10, 13791.11, 13791.12, 13791.13, 13791.14, 13791.15, 13791.16, 13791.17, 13791.18, 13791.19, 13791.20, 13791.21, 13791.22, 13791.23, 13791.24, 13791.25, 13791.26, 13791.27, 13791.28, 13791.29, 13791.30, 13791.31, 13791.32, 13791.33, 13791.34, 13791.35, 13792.01, 13792.02, 13792.03, 13792.04, 13792.05, 13792.06, 13792.07, 13792.08, 13792.09, 13792.10, 13792.11, 13792.12, 13792.13, 13792.14, 13792.15, 13792.16, 13792.17, 13792.18, 13792.19, 13792.20, 13792.21, 13792.22, 13792.23, 13792.24, 13792.25, 13792.26, 13792.27, 13792.28, 13792.29, 13792.30, 13793.01, 13793.02, 13793.03, 13793.04, 13793.05, 13793.06, 13793.07, 13793.08, 13793.09, 13793.10, 13793.11, 13793.12, 13793.13, 13793.14, 13793.15, 13793.16, 13793.17, 13793.18, 13793.19, 13793.20, 13793.21, 13793.22, 13793.23, 13793.24, 13793.25, 13793.26, 13793.27, 13793.28, 13793.29, 13793.30, 13794.01, 13794.02, 13794.03, 13794.04, 13794.05, 13794.06, 13794.07, 13794.08,

13794.09, 13794.10, 13794.11, 13794.12, 13794.13, 13794.14, 13794.15, 13794.16, 13794.17, 13794.18, 13794.19, 13794.20, 13794.21, 13794.22, 13794.23, 13794.24, 13794.25, 13794.26, 13794.27; **RMCA**: 36610, 36611, 36612a, 36613, 36614, 36615, 36616, 36617, 36618, 36619, 36620, 36621, 36622, 36623, 36624, 36625, 36626, 36627, 36628, 36629, 36630, 36631, 36632, 36633, 36634, 36635, 36636, 36637, 36638, 36639, 36640, 36641, 36642, 36643, 36644, 36645, 36646, 36647, 36648, 36649, 36650, 36651, 36652, 36653, 36654, 36655, 36656, 36657, 36658, 36659, 36660, 36661, 36662, 36663, 36664, 36665, 36666, 36667, 36668, 36669, 36670, 36671, 36672, 36673, 36674, 36675, 36676, 36677, 36678, 36679, 36680, 36681, 36682, 36683, 36684, 36685, 36686, 36687, 36688, 36689, 36693, 36836 - Maleli (04 20 N 29 37 E): **RBINS**: 13680.1, 13680.2 - Orientale (former) province: **SMF**: 37915 - Pidigala river (04 35 00 N 29 32 00 E): **RBINS**: 13682.1, 13682.2, 13682.3, 13682.4, 13682.5, 13682.6, 13682.7, 13682.8.

Côte d'Ivoire:

Unknown locality: **SMF**: 91922, 91923, 91924, 91925 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-549, ZM-MO-1985-592; **ROM**: 80319.

Ethiopia:

Bermil (12 23 N 35 44 E, 562 m): **ZMMU**: S-189528.

Ghana:

Unknown locality: **BMNH**: 1946.108, 1946.109, 1946.232, 1946.233, 1975.545_1, 1975.545_2 - Anomabu (05 10 N 01 07 W, 0 m): **FMNH**: 54495 - Bungueli, near (ca. 09 42 50 N 01 53 31 W, ca. 275 m): **AMNH**: 237421 - Butre (0449N 0155W): **USNM**: 414239 - Fort St. George (05 05 N 01 21 W, 0 m): **HNHM**: 73.103.1, 73.103.2, 73.106.1, 73.106.2, 73.106.3.

Nigeria:

Unknown locality: **BMNH**: 1952.107, 1952.109, 1952.111, 1952.112, 1952.113, 1952.119_2, 1953.26, 1953.27, 1972.680, 1984.838 - Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 84073, 86055 - Nindam Forest Reserve (0928N 0819E): **ROM**: 86942.

Senegal:

Dindefelo (1221N 1219W): **IVB**: S822, S922.

Sierra Leone:

Unknown locality: **BMNH**: 1947.600, 1950.1901, 1950.1902, 1952.7 - Fadugu (0923N 1146W): **USNM**: 462847 - Kent (080957N 131000W): **ROM**: 62750 - Njala (08 07 04 N 12 05 04 W, 67 m): **ROM**: 51040 - Segbwema, 1 mi [= 1.6 km]SE (080000N 105700W): **USNM**: 463119, 463120, 463121, 463122, 463123, 463124, 463125 - Serabu (074745N 120313W, 41 m): **USNM**: 463308, 463309, 463310.

South Sudan:

Marangu cave (0433N 2822E): **FMNH**: 81575, 81577 - Mupoi cave (0433N 2822E): **FMNH**: 81574, 81576, 81578, 81579.

Togo:

Amoussokopé (06 40 N 00 51 E): **MNHN**: ZM-MO-1870-513.

Hipposideros beatus (K. Andersen, 1906)

Benin:

Agouagon (07 59 N 02 17 E, 155 m): **MNHN**: ZM-MO-1985-817 - Ajargon [=Ajougon = Agouagon?] (07 59 N 02 17 E, 155 m): **MNHN**: ZM-MO-1911-848.

Cameroon:

Unknown locality: **BMNH**: 1989.687 - Douala-Edéa Game Reserve (03 30 N 09 50 E): **MSB**: 37711, 37712, 37713, 37714, 37715 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **MCZ**: 14819, 14820 - Keboko, 8 km W: **ROM**: 55601 - Kiribi, 9 km N (0301N 0954E): **ROM**: 56260 - Lolodort (0316N 1049E): **ROM**: 39392 - Lombé (03 38 02 N 09 59 10 E, 1 m): **USNM**: 514675, 514676 - Mabetta [= Maneta] (04 00 N 09 15 E): **ROM**: 43357, 43358, 43381, 43382 - Mamfe, 12 km SE (ca. 05 47 N 09 18 E): **AMNH**: 241097 - Nyong River, near (032600N 114500E, 485 m): **MCZ**: 14821 - Obala, 12 km S, 11 km E (0409N 1131E): **ROM**: 56150 - Sakbayeme (0402N 1034E): **MCZ**: 19399, 19400, 21728, 21729.

Central African Republic:

Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1984-1459, ZM-MO-1984-1460, ZM-MO-1984-1461, ZM-MO-1984-1462, ZM-MO-1984-1463, ZM-MO-1984-1464, ZM-MO-1984-1465, ZM-MO-1984-1466, ZM-MO-1984-1467, ZM-MO-1984-1468, ZM-MO-1984-1469, ZM-MO-1984-1470 - Boukoko (035400N 175600E): **MNHN**: ZM-MO-1984-177 - Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-1984-2003, ZM-MO-1984-2004, ZM-MO-1984-2005, ZM-MO-1984-2006, ZM-MO-1984-2007, ZM-MO-1984-2008, ZM-MO-1984-2009, ZM-MO-1984-2010, ZM-MO-1984-2011, ZM-MO-1984-2012 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-245, ZM-MO-1984-248, ZM-MO-1985-383.

Congo (Democratic Republic of the):

Unknown locality: **BMNH**: 1990.225, 1990.226, 1990.227, 1990.228, 1990.229, 1990.230; **SMF**: 77085, 77086 - Aka (04 35 00 N 29 42 00 E): **RBINS**: 13770, 13771, 4037 (Holotype *Hipposideros beatus maximus*), 4039, 4041; **RMCA**: 36690 - Aketi (02 50 N 23 56 E, 500 m): **UNIKIS**: AKETI603 - Bomane (01 18 N 23 47 E, 429 m): **UNIKIS**: CRT2197 - Buluku river (04 33 00N 29 49 00 E): **RMCA**: 36691, 36692 - Buluku river (04 33 N 29 49 E): **RBINS**: 13774, 4044 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 16227 - Bwandza (02 36 56 N 21 44 32 E): **MHNG**: 1870.095, 1870.096 - Dedegwa river (04 35 00 N 29 43 00 E): **RBINS**: 13772, 4042 - Equateur (former) province: **SMF**: 84412 - Faradje (03 44 00 N 29 43 00 E, 775 m): **RMCA**: 9044, 9048, 9056 - Kona (02 02 N 22 47 E): **UNIKIS**: CRT1909, CRT1973, CRT1975, CRT1983 - Lieki (00 41 11 N 24 11 00 E, 508 m): **UNIKIS**: CRT2046, CRT2047 - Mabali (02 20 00 S 28 50 00 E): **MCZ**: 48217, 48218 - Mandima (ca. 01 21 00 N 29 03 00 E): **MHNG**: 1873.057, 1873.058 - Medje (02 25 00 N 27 18 00 E, 617 m): **MCZ**: 17374 - Moenge (02 03 00 N 22 51 54 E, 508 m): **RMCA**: a1.097-M-3217, a1.097-M-3218 - Mogbwamu river (04 35 00 N 29 44 00 E): **RBINS**: 13767, 4038 - Nakpanga (04 36 00 N 29 34 00 E): **RBINS**: 13769, 4040 - Panga (01 51 00 N 26 25 00 E, 434 m): **RMCA**: 5446 - Soudan river (04 35 N 29 35 E): **RBINS**: 13773, 4043 - Thysville (051500S 145200E, 604 m): **RBINS**: 22426 - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT1856 - Yalosemba (02 35 N 24 47 E, 422 m): **MHNG**: 1870.093, 1870.094; **USNM**: 537707, 537708.

Côte d'Ivoire:

Unknown locality: **SMF**: 91917, 91918, 91919 - Divo (05 50 15 N 05 21 26 W, 148 m): **MNHN**: ZM-MO-1985-1738, ZM-MO-1985-1739, ZM-MO-1985-1740, ZM-MO-1985-1741, ZM-MO-1985-1742, ZM-MO-1985-1743, ZM-MO-1985-1744,

ZM-MO-1985-1745, ZM-MO-1985-1746 - Parc National de Tai (ca. 05 50 N 07 20 W): **ROM**: 100504 - Sibabli (0656N 0713W): **ROM**: 100579.

Equatorial Guinea:

15 mi (24 km) from Benito River (0133N 0938E): **BMNH**: 1900.2.5.45 (Holotype *Hipposiderus beatus*).

Gabon:

Kango (0009N 1008E, 30 m): **MNHN**: ZM-MO-1947-221 - Makokou (00 34 00 N 12 52 00 E, 308 m): **ZMA**: MAM.19703.

Ghana:

Unknown locality: **BMNH**: 1946.577, 1946.578, 1971.936 - Achwerase (05 39 N 00 11 W): **HNHM**: 73.101.1, 73.101.2 - Avetile (0632N 0014E): **USNM**: 412091, 412092 - Babiana (06 28 N 02 20 W, 720 ft): **ROM**: 52035, 52036, 52037 - Boi-Tano FR, cocoa plantation adjacent to forest edge (0532N 0237W): **ZFMK**: 2003.1036 - Kuuni, 48 km (06 39 N 01 51 W, 226 m): **ROM**: 52016, 52018, 52028, 52029 - Nkaw Nkaw (06 33 N 00 46 W, 253 m): **ROM**: 51639 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 55745, 55767; **MCZ**: 42648 - Prestea, 32 mi W (0523N 0228W): **USNM**: 414185, 414186 - Suhum, 2.4 mi E (0603N 0026W): **USNM**: 414183 - Tinkong, 3 mi NW (0601N 0015W): **USNM**: 414184.

Guinea:

Zouguépo (074220N 082426W, 526 m): **MNHN**: ZM-MO-1985-1732, ZM-MO-1985-1733.

Kenya:

Colobus Circuit 1 (00 21 22 N 34 51 41 E): **MMU**: PWW2921 - Ikhondo Camp (00 21 08 N 34 51 53 E): **MMU**: PWW2930 - Kolossia (013847N 354609E, 762 m): **ROM**: 40205 - Lirhanda Cave (00 12 42 N 34 53 55 E): **MMU**: PWW2924 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 40247.

Liberia:

Unknown locality: **BMNH**: 1977.381; **DNSM**: 12592, 12605, 13241, 13242; **SMF**: 87677, 87678 - Du River (061434N 103224W): **MCZ**: 24327, 24328 - Jaoudi, ca. 12 mi SSE: **AMNH**: 256542, 256544 - Mount Coffee (06 29 19 N 10 38 47 W): **USNM**: 83857 - Paiata (0712N 0948W, 221 m): **MCZ**: 28523 - Peahtah (0712N 0948W): **MCZ**: 24329.

Nigeria:

Unknown locality: **BMNH**: 1950.818 - Afon (0819N 0431E): **USNM**: 576110 - Ife University Campus (07 31 06 N 04 31 41 E): **ZMA**: MAM.18380, MAM.18381 - Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 84074, 84075 - Okura Forest Reserve (073409N 071735E): **ROM**: 86288 - Wikki (09 46 10 N 10 31 58 E): **ROM**: 86295, 86296, 86297.

Senegal:

Linguere (1522N 1507W): **USNM**: 381364, 381365, 381366, 381367, 381368 - Richard Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1985-780.

Uganda:

Budongo Forest Nature Reserve (014416N 313322E): **FMNH**: 165158 - Busingiro Camp Site (0143N 3128E): **FMNH**: 165156 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 165157 - Sukuli Hills (0040N 3410E): **ROM**: 60056, 60062.

Hipposideros caffer (Sundevall, 1846)

"Africa":

Unknown locality: **KU**: 135668; **MCZ**: 7042; **MNHN**: ZM-MO-1983-1639 A, ZM-MO-1983-1639 B, ZM-MO-1983-1639 C, ZM-MO-1983-1639 D, ZM-MO-1983-1639 E, ZM-MO-1983-1639 F, ZM-MO-1983-1639 G, ZM-MO-1983-1639 H, ZM-MO-1983-1639 I, ZM-MO-1983-1639 J, ZM-MO-1983-1639 K, ZM-MO-1983-1639 L, ZM-MO-1983-1639 M, ZM-MO-1983-1639 N, ZM-MO-1983-1639 O, ZM-MO-1983-1639 P, ZM-MO-1985-1361; **TM**: 42642, 42643, 42810A, 42811, 42812, 42813, 42814, 42815, 43608; **ZMA**: MAM.08412, MAM.17012, MAM.18540, MAM.19233, MAM.26227, MAM.26252, MAM.26253, MAM.26254, MAM.26257, MAM.26273, MAM.26274 - Dipker Island: **MSB**: 28898, 28899 - Engeremgere: **ZMB**: 6711 - West Africa: **MCZ**: 7041.

Angola:

Unknown locality: **BMNH**: 1851.1.19.2, 1866.1.20.10-11, 1866.1.20.12, 1866.1.20.17, 1866.1.20.18, 1866.1.20.19, 1866.1.20.2, 1866.1.20.20, 1866.1.20.21, 1904.4.9.12, 1909.10.1.10, 1909.10.1.11, 1909.10.1.34, 1935.1.6.14, 1967.1243 - Caimbambo (130000S 135000E): **AMNH**: 244299, 244300, 244301; **FMNH**: 108343 - Canzele (08.38S 15.13E): **FMNH**: 81613, 81614, 81653, 81654, 81655, 81656, 81658 - Chinchoxo (ca. 0504S 1202E): **ZMB**: 6280, 8396 - Dundo (0722S 2050E, 726m): **MDL**: 5043, 5141, 5218c, 5226b, 5251, 5254, 5262, 5265 - Equlnlma (13.38S 12.63E): **IICA**: 7850 - Hanha (1215S 1343E): **AMNH**: 86645, 86646 - Huila (15.13S 13.63E): **FMNH**: 84089, 84106, 84107 - Huxe (124315S 131833E): **USNM**: 172915 - Jau (1513S 1331E, 1660 m): **FMNH**: 83594, 83595, 84088, 84090, 84091, 84092, 84093, 84094, 84095, 84096, 84097, 84098, 84099, 84100, 84101, 84102, 84103, 84104, 84105 - Lândana (05 14 S 12 09 E, 0 m): **RBINS**: 208b - Lobito Bay (121929S 133444E): **AMNH**: 85534 - Mucoso (0940S 1423E, 130 m): **FMNH**: 83593 - N'zeto (0714S 1252E, 6 m): **FMNH**: 81652, 81657, 81659 - Pedra Grande, Caraculo (15.13S 12.63E): **IICA**: 493 - Rio Coroca (ca. 1342S 1505E): **BMNH**: 1906.1.3.2 (Syntype *Phyllorhina angolensis*) - Rio Luachimo (0720S 2049E): **YPM**: MAM 000198 - Salazar [= N'Dalatando], Agronomic Station (09.38S 14.88E): **NHMZ**: 63480 - Tchivinguiro (15.13S 13.38E): **SMW**: 6705.

Benin:

Agouagon (07 59 N 02 17 E, 155 m): **MNHN**: ZM-MO-1911-849 A, ZM-MO-1911-849 B, ZM-MO-1911-851 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 575719, 575720 - Kandi and Malanville, road between (ca. 11 32 N 03 07 E): **ZMA**: MAM.23838 - Nikki (0956N 0313E): **USNM**: 575721, 575722, 575723 - Pendjari Park (ca. 1120N 0130E): **ROM**: 83927, 83957, 83958, 83959 - Zizonkame (0755N 0201E): **USNM**: 479275, 479279.

Botswana:

Chobe NP, Kasane (17.8S 25.15E): **USNM**: 367719, 367720, 367721, 367722, 367723, 367724, 367725, 367726, 367727, 367728, 367729, 367730, 367731, 367732, 367733, 367734, 367735, 462298, 462299, 462300, 462301, 462302, 462303, 462304, 462305, 462306, 462307, 462308, 462309, 462310, 462311, 462312 - Chobe NR, Kasane (17.8S 25.15E): **NHMZ**: 64283; **USNM**: 462297 - Kasane (1749S 2508E, 708 m): **MNHN**: ZM-MO-1969-36, ZM-MO-1969-37 - Kasane (1749S 2509E): **ROM**: 39311, 39312, 39314, 39315, 39317, 39318, 39319, 39320, 39321 - Okovango River Lodge (2037S 2238E): **TM**: 39268.

Burkina Faso:

Natiaboani (11 41 57 N 00 30 22 E, 268 m): **RMCA**: 97.077-M-7725.

Burundi:

Unknown locality: **MHNG**: 1896.013, 1896.014; **SMF**: 57956, 57957, 57958 - Mabaye (=Mabayi) (02 42 30 S 29 14 35 E, 1436 m): **MHNG**: 1896.012.

Cameroon:

Unknown locality: **BMNH**: 1923.1.22.10, 1923.1.22.9, 1948.674, 1948.699; **SMF**: 6369 - Ayos Road, Mvoutesi II [= MVE II] (0315N 1148E): **ROM**: 54922, 54923, 54924, 54925 - Barombi Kang (0439N 0925E): **ROM**: 37780, 37781, 37782 - Barombi Kang (0439N 0925E, 549m): **ROM**: 37769, 37770, 37771 - Bertoua, 30 km W (0435N 1325E): **TTU**: 17982, 17983, 17984, 17985, 17986, 17987, 17988, 17989, 17990, 17991, 17992, 17993 - Big farm, Mungo River, east bank (0421N 0930E): **ROM**: 68866, 68867, 68868, 68869, 68870, 68871, 68872, 68873, 68877, 68903, 68904, 68905, 68908, 68922 - Bimbia (03 57 16 N 09 14 42 E, 98 m): **ROM**: 36149, 39074, 39075, 39077, 39078, 39079, 39080, 39081, 39082, 39083, 39084, 39085, 39086, 39087, 39088, 39089, 39090, 39091, 39092, 39093, 39094, 39095, 39096, 39097, 39098, 39099, 39100, 39101, 39102, 39103, 39104, 39105, 39106, 39107, 39108, 39109, 39110 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 10166, 10167, 67704, 67705, 67706 - Bisoro Balve (044520N 091025E, 435 m): **ROM**: 68705, 68706, 68707, 68708, 68709, 68710, 68711, 68712, 68713, 68714, 68715, 68716, 68717, 68718, 68719, 68720, 68721, 68722, 68723, 68724, 68725, 68726, 68727, 68728, 68729, 68730, 68731, 68732, 68733, 68734, 68735, 68736, 68737, 68738, 68739, 68740, 68741, 68742, 68743, 68744, 68745, 68746, 68747, 68748, 68749, 68750, 68751, 68752, 68753, 68754, 68755, 68756, 68757, 68758, 68759, 68760, 68761 - Bokwango (0409N 0912E, 1219m): **ROM**: 50911, 50912, 50913, 50914, 50915, 69042 - Bonge: **ZMB**: 6945 - Bota (04 01 43 N 09 11 15 E, 109 m): **ROM**: 46808, 46819 - Boteke Village (0406N 0912E): **ROM**: 69048, 69049 - Buea station, 2 km S (0409N 0912E): **ROM**: 68928, 68937, 68946, 68947, 68951, 68956, 68958 - Buéa Station, 3 km SW (04 08 N 09 12 E): **ROM**: 68968, 68969, 68970, 68971, 68972, 68973, 68974, 68975, 68976, 68977, 68978, 68979, 68980, 68981, 68982, 68983, 68984, 68985, 68986 - Buta (040036N 0909E): **ROM**: 43366 - Ekona (0415N 0924E, 1067 m): **ROM**: 51026, 51027 - Essosong (0454N 0945E, 457 m): **ROM**: 50963, 50964, 50965, 50966, 50967, 50968, 50969, 50970, 50971, 50972, 50973, 50974, 50975, 50976, 50977, 50978, 50979, 50980, 50981, 50982, 50983, 50984, 50985, 50986, 50987, 50988, 50989, 50990, 50991, 50992, 50993, 50994, 50995, 50996, 50997, 50998, 50999, 51000, 51001, 51002, 51003, 51004, 51005, 51006, 51007, 51008, 51009, 51010, 51011, 51012, 51013, 51014, 51015, 51016, 51135 - Gwando (0409N 0912E, 1067m): **ROM**: 46809, 46810, 46811, 46812, 46813, 46814, 46815, 46816, 46817, 46818, 50916, 50917, 50918, 50919, 50920, 50921, 50938, 50939, 50940, 50941, 50942, 50943, 50944, 50945, 50946, 50947, 50948, 51021, 51022, 51023, 51024 - Isongo [=Izongo] (0405N 0901E, 30 m): **ZMB**: 67679, 67680, 67681, 67682, 67683, 67684, 67728, 67729, 67730 - Keboko, 8 km W: **ROM**: 55602, 55603 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 37759, 37760, 37783, 37784, 37785, 37786, 37787, 37788, 37789, 37790, 37791, 37792, 37795, 37796, 37797, 37798, 37799, 37800, 37801, 37802, 37803, 37804, 37805, 37809, 37811, 37813, 37814, 37830, 37831, 37832, 37833, 37835, 37836, 37838, 37842, 37843, 37844, 55654, 55660, 55661, 55712, 55713, 55714, 55715, 55716, 55717, 55719, 55720, 55721, 55722, 55723, 55724, 55725, 55726, 55727, 55728, 55729 - Kumba region (0439N 0925E): **ROM**: 51486, 51487, 51488, 51489, 51490, 51491, 51492, 51493, 51494, 51495, 51496, 51497, 51498, 51499, 51500, 51501, 51502 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55745, 55804 - Lomié, 10 km SE (03 09 N 13 34 E, 427 m): **ROM**: 57078, 57079, 57080, 57081, 57082, 57083, 57084, 57085, 57086, 57087, 57088, 57089, 57092, 57093, 57094, 57095, 57096, 57110, 57111, 57112, 57113, 57114, 57115, 57116, 57117, 57121 - Lulu: **ZMB**: 33338 - Mabetta [= Maneta] (04 00 N 09 15 E): **ROM**: 43380 - Malako River (0427N 1137E): **ROM**: 56117 - Mamfe, 12 km SE (ca. 05 47 N 09 18 E): **AMNH**: 241098; **TTU**: 17970, 17971 - Mamfe, 15 km SE (ca. 05 40 N 09 23 E): **TTU**: 17972, 17973, 17974, 17975, 17976, 17977, 17978, 17979, 17980, 17981 - Meanja (0416N 0924E): **ROM**: 69093 - Mengeme Village (0315N 1124E): **ROM**: 57225 - Metchum River (0651N 0948E): **ROM**: 55864 - Mkwikane cave: **ROM**: 56231, 56232, 56233, 56234, 56235, 56236, 56237, 56238 - Mountain Hut 1 (0409N 0912E): **ROM**: 56904 - Mpundu (0413N 0924E): **ROM**: 68989 - Mubange [=Mobange-Isongo] (0450N 0900E, 30 m): **ZMB**: 93814, 93820 - Mukonje (04 35 02 N 09 30 18 E, 113 m): **BRTC**: 28512, 28513; **ROM**: 39112, 39113, 39114, 39115, 39116, 39117, 39118, 39119, 39120, 39121, 39122, 39123, 39124, 39125, 39126, 39127, 39128, 39129, 39130, 39131, 39132, 39133, 39134, 39135, 39136, 39137, 39138, 39139, 39140, 39141, 39142, 39143, 39144, 39145, 39146, 39147, 39148, 39149, 39150, 39151, 39152, 39153, 39154, 39155, 39156, 39157, 39158, 39159, 39160, 39161, 39162, 39163, 39164, 39165, 39166, 39167, 39168, 39169, 39170, 39171, 39172, 39173, 39174, 39175, 39176, 39177, 39178, 39179, 39180, 39181, 39182, 39183, 39184, 39185, 39186, 39187, 39188, 39189, 39190, 39191, 39192, 39193, 39194, 39195, 39196, 39197, 39198, 39199, 39200, 39201, 39202, 39203, 39204, 39205, 39206, 39207, 39208, 39209; **ZMB**: 67672, 67673, 67674, 67675, 67676, 67677, 67678, 93813, 93815, 93816, 93817, 93818, 93819 - Mukowje: **ROM**: 43367 - Mungo Anchoncho [Moungo river?] (0403N 0933E): **ZMB**: 5005, 8390 - Mvengue [=Mvengu], 3 km W, 1 km N (0316N 1100E): **ROM**: 56212, 56213, 56214, 56215, 56216, 56218, 56219, 56220, 56221, 56222, 56223 - Nanga-Eboko, 30 km E: **TTU**: 17994, 17995, 17996 - Nanga-Eboko, 82 km NE: **AMNH**: 241038 - Ndian [river] (0445N 0844E): **ZMB**: 6944, 6946b - Ndjolé (04 49 N 11 56 E, 608 m): **MNHN**: ZM-MO-1892-221 - Nsannakang [=Nsanakang] (0553N 0859E): **ZMB**: 67691, 67761, 67762, 67763 - Obala, 12 km S, 11 km E (0409N 1131E): **ROM**: 56158 - Ongoo (0439N 0925E): **ROM**: 55708 - Ongoo near Mukono (0439N 0925E): **ROM**: 55665, 55666, 55667, 55668, 55669, 55670, 55671, 55672, 55678, 55679, 55680, 55681, 55682, 55683, 55684, 55685, 55686, 55687, 55688, 55690 - Ongoonear Mukono, Kumba (0439N 0925E): **ROM**: 55673, 55674, 55675, 55676, 55677 - Ossidinge [=Mamfe] (05 47 N 09 18 E, 133 m): **ZMB**: 67688 - Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0236, 73.017-M-0237, 73.017-M-0238, 73.017-M-0239 - small Soppo (0407N 0912E): **ROM**: 69017, 69018, 69019, 69020, 69021, 69022, 69023, 69033, 69034, 69035, 69036, 69037 - Tombel (0445N 0939E): **ROM**: 39048, 39049, 46855 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0586, 73.015-M-0587, 73.015-M-0588, 73.016-M-0305, 73.017-M-0240 - Yaoundé (035200N 113100E, 726 m): **MNHN**: ZM-MO-1983-1014 - Yaounde (0352N 1131E, 1025 m): **ZMB**: 8424.

Central African Republic:

Boukoko (035400N 175600E): **MNHN**: ZM-MO-1984-176, ZM-MO-1984-214 - Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-1984-193, ZM-MO-1985-1359, ZM-MO-1985-1360 - Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268378 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-244, ZM-MO-1985-1200, ZM-MO-1985-1365.

Congo:

Bongolo (03 35 S 12 15 E, 252 m): **FMNH**: 73832, 73833 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1883-36, ZM-MO-1883-37, ZM-MO-1883-38, ZM-MO-1883-39, ZM-MO-1883-40 - Doumboula [cave] (0415S 1300E): **MNHN**: ZM-MO-1985-1362, ZM-MO-1985-1363, ZM-MO-1985-1364 - Kimanika (0359S 1425E): **MNHN**: ZM-MO-1968-414, ZM-MO-1968-415, ZM-MO-1968-416 - Lekoumou, Lebayi cave (02 42.045 S 13 35.968 E): **HZM**: 244.40187 - Maya cave (035316S 143119E, 1962 m): **MNHN**: ZM-MO-1962-1096 - Mbamou Island (04 12 34 S 15 25 06 E): **MNHN**: ZM-MO-1998-1920, ZM-MO-1998-1921 - Meya-Nzouari,cave (03 53 16 S 14 31 19 E): **MNHN**: ZM-MO-1985-1352, ZM-MO-1985-1353, ZM-MO-1985-1354, ZM-MO-1985-1355, ZM-MO-1985-1356, ZM-MO-1985-1358 - Stanley Pool (04 11 22 S 15 26 19 E): **MNHN**: ZM-MO-1983-1112, ZM-MO-1983-1113.

Congo (Democratic Republic of the):

Unknown locality: **RBINS**: 208C, 208e; **SMF**: 6363, 92970, 92971, 93318, 93319, 93320 - Aketi (02 50 N 23 56 E, 500 m): **UNIKIS**: AKETI618, AKETI621, AKETI626 - Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V1711, V1723.01, V1723.02, V1723.03, V1723.04, V1723.05, V1723.06, V1723.07, V1723.08, V1723.09, V1723.10, V1723.11, V1723.12, V1723.13, V1723.14, V1723.15, V1723.16, V1723.17, V1723.18, V1723.19, V1723.20 - Bela (00 38 N 29 14 E, 913 m): **RBINS**: 7066 - Beni (00 30 00 N 29 28 00 E, 853 m): **FMNH**: 26240, 26242, 26243, 30622, 30623, 30624, 30625, 30626, 30627, 30628, 30629, 30630, 30631, 30632, 30633, 30634; **MCZ**: 33500 - Busholinka river (01 11 S 29 29 E, 1350 m): **INPBC**: W1006 - Butembo (0009N 2917E, 1381 m): **RBINS**: 7078, 7079, 7080 - Cave C.8.2 (ca. 05 15 S 014 52 E): **ZMA**: MAM.26155 - Congo river, 75 mi up: **USNM**: 102513, 102514, 102515, 102516 - Djelube river, lower (00 35 N 29 40 E, 850 m): **INPBC**: V1093.2 - Djumma river, upper (00 38 00 N 29 34 00 E, 850 m): **INPBC**: V1278 - Dungu (03 37 00 N 28 34 00 E, 669 m): **RBINS**: 8128.01, 8128.02, 8128.03, 8128.04, 8128.05, 8128.06, 8128.07, 8128.08, 8128.09, 8128.10, 8128.11, 8128.12, 8128.13, 8128.14, 8128.15, 8128.16 - Edouard,lac (00 07 S 29 35 E): **RBINS**: 15450, 15451 - Epulu (01 23 45 N 28 34 40 E, 750 m): **UNIKIS**: EPLU651 - Epulu, 2 km W (ca. 012345N 283440E, 750 m): **FMNH**: 149406 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49426 (Holotype *Hipposideros nanus*); **RBINS**: 13796.1, 13796.2, 13796.3; **RMCA**: 36823, 36824 - Garamba National Park (04 10 00 N 29 30 00 E): **RMCA**: 36826, 36827 - Goroumbwa Mine (03 06 45.66 N 29 34 13.62 E): **TM**: DBA207, DBA261, DBA266, DBA268, DBA274, DBA320, DBA410, DRC0015, DRC0034, DRC0069, DRC0105, DRC0106, DRC0121 - Hoyo, Mount (01 13 00 N 29 49 00 E, 1200 m): **CAS**: 12497; **INPBC**: V1549; **RBINS**: 7068, 7069, 7070, 7071, 7072, 7073, 7074, 7075 - Ilimba (00 50 N 29 58 E, 750 m): **INPBC**: W1191.01, W1191.02, W1191.03, W1191.04, W1191.05, W1191.06, W1191.07, W1191.08, W1191.09, W1191.10 - Ituri, south (01 00 N 29 16 E): **RBINS**: 7473 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RBINS**: 17206.01, 17206.02, 17206.03, 17206.04, 17206.05, 17206.06, 17206.07, 17206.08, 17206.09, 17206.10 - Kabalo (06 03 00 S 26 55 00 E, 530 m): **RMCA**: 9166 - Kabambi (00 51 00 N 29 39 00 E, 1260 m): **INPBC**: W1464.1, W1464.2; **RBINS**: 7087 - Kafwe (08 22 00 S 29 15 00 E, 1800 m): **RBINS**: 10727, 10728, 10729, 10730, 10731, 10732, 10733, 10734 - Kakontwe cave (105900S 263800E, 1294 m): **CAS**: 12496, 12527 - Kakyelo (12 21 00 S 29 35 00 E): **RMCA**: 10850, 10851 - Kalenda [Kasai] (07 08 00 S 23 32 00 E, 821 m): **RBINS**: 7743 - Kamande (00 35 00 S 29 18 00 E, 925 m): **INPBC**: V1057.2a - Kasenye, 10 km N (ca. 01 25 N 30 25 00 E): **AMNH**: 180907 - Kasongo (04 27 00 S 26 40 00 E, 625 m): **RBINS**: 6281.01 - Kasongo Mwana (08 44 S 27 51 E): **RBINS**: 6281.02, 6281.03, 6281.04, 6281.05, 6281.06, 6281.07, 6281.08, 6281.09, 6281.10, 6281.11, 6281.12, 6281.13, 6281.14, 6281.15, 6281.16, 6281.17, 6281.18, 6281.19, 6281.20 - Katanga (ca. 10 00 S 27 30 E): **MNHN**: ZM-MO-1957-129 - Katanga (former) province: **SMF**: 21278, 21279, 21280, 21281, 21282, 21283, 21284, 21285, 21286, 21288, 21289, 21290, 21291, 21292, 21293, 21294, 21295, 21296, 21297 - Kiamokoto (0910S 2704E, 900 m): **RBINS**: 10761, 10762, 10763, 10764, 10765, 10766, 10767, 10768 - Lake Kivu, near (ca. 0200S 2910E): **MCZ**: 46090 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **USNM**: 21663, 21664 - Lonzo (00 08 S 29 36 E, 950 m): **INPBC**: V1672.1, V1672.2.01, V1672.2.02, V1672.2.03, V1672.2.04, V1672.2.05, V1672.2.06, V1672.2.07, V1672.2.08, V1672.2.09, V1672.2.10, V1672.2.11, V1672.2.12, V1672.2.13 - Lufu (river) (05 40 N 13 53 E): **RBINS**: 208f - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1927.12.21.6, 1927.12.21.7 - Mabwe (08 39 00 S 26 31 00 E, 574 m): **RBINS**: 10753, 10754, 10755, 10771 - Maginda (00 49 N 29 54 E, 850 m): **INPBC**: W1077 - Mambabwanga Hill (0030N 2915E, 1000 m): **FMNH**: 26241 - Masimengo (00 34 N 29 42 E, 800 m): **INPBC**: V1094.1, V1094.2 - Masombwe (09 05 00 S 27 12 00 E, 1163 m): **RBINS**: 10774, 10778, 10780, 10781, 10784, 10785, 10788, 10795 - Matupi Cave (01 16 12 N 029 54 36 E, 3500 ft): **RBINS**: 7088 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 49530 - Mount Hoyo caves (01 13 00 N 29 49 00 E, 1200 m): **CAS**: 12528 - Mount Sombwe (09 10 12 S 26 43 12 E): **RBINS**: 10799 - Mount Wago (014500N 304000E, 2240 m): **BMNH**: 1953.496; **RBINS**: 21660 - Mutsora (00 19 00 N 29 44 00 E, 1200 m): **RBINS**: 12946 - Muyrimbo (00 32 S 29 17 E): **INPBC**: V1139, V1144.01, V1144.02, V1144.03, V1144.04, V1144.05, V1144.06, V1144.07, V1144.08, V1144.09, V1144.10, V1144.11, V1144.12, V1144.13, V1144.14, V1144.15, V1144.16, V1144.17, V1144.18, V1144.19, V1144.20, V1144.21, V1144.22, V1144.23, V1144.24, V1144.25, V1144.26, V1144.27, V1144.28, V1144.29, V1144.30, V1144.31, V1144.32, V1144.33, V1144.34 - Nagero (03 45 N 29 31 E, 753 m): **RBINS**: 14637 - Nambiliki / Dungu (03 40 00 N 29 10 00 E): **INPBC**: 2128bis.1, 2128bis.2; **RBINS**: 13795.1, 13795.2, 13795.3, 13795.4 - Obenge (01 23 S 025 02 E): **UNIKIS**: TLL386, TLL387, TLL388, TLL389 - Panga (01 51 00 N 26 25 00 E, 434 m): **RMCA**: 9128 - Pelenge, gorges (08 40 12 S 26 49 48 E): **RBINS**: 10735, 10737, 10738, 10739, 10741, 10742, 10801 - Poko (03 09 00 N 26 53 00 E, 641 m): **BMNH**: 1919.5.8.10, 1919.5.8.11 - Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL497, RBTL498, RBTL499, RBTL528 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V124, V1344, V1351, V1637.01, V1637.02, V1637.03, V1637.04, V1637.05, V1637.06, V1637.07, V1637.08, V1637.09, V1637.10, V1637.11, V1637.12, V414, W26 - Rwere Rwindi (00 47 S 29 18 E): **INPBC**: V1336 - Saga Saga, cave (01 19 00N 29 52 00 E, 1160 m): **RBINS**: 7067 - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 537709 - Teturi (01 04 00 N 29 08 00 E, 766 m): **RBINS**: 7076, 7077, 7472.1, 7472.2 - Thysville (051500S 145200E, 604 m): **RBINS**: 22427 - Tshapona (07 11 S 24 19 E, 826 m): **RBINS**: 6119 - Uduku (04 32 00 N 29 33 00 E): **RBINS**: 13797.1, 13797.2, 13797.3, 13799 - Uduku Moke (04 32 00 N 29 33 00 E): **RBINS**: 13798.1, 13798.2; **RMCA**: 36816, 36817, 36825 - Uma (00 32 21 N 025 54 05 E, 508 m): **UNIKIS**: UMA503 - Zobia (02 58 N 25 56 E, 609 m): **RBINS**: 6974.

Côte d'Ivoire:

Unknown locality: **SMF**: 91890, 91891, 91892, 91893, 91894, 91895 - Kanan-Koffi-Kro (06 58 00 N 05 14 00 W, 217 m): **RMCA**: 97.077-M-3152 - Sibabli (0656N 0713W): **ROM**: 100546.

Equatorial Guinea:

Aninzok, 4 km W (01 36 N 10 04 E): **MSB**: 25205, 25206 - Attogondama: **ZMB**: 67686, T09913.

Ethiopia:

Unknown locality: **SMF**: 45101, 45102, 45103, 45104, 45105, 45106, 45107, 45108, 45109, 45110, 45111, 45112, 45113, 45114, 47852, 47853, 47854, 47855, 49139, 49607 - Didessa river bridge (09 02 N 36 09 E, 1533 m): **BRTC**: 58684, 58685.

Gabon:

Unknown locality: **BMNH**: 1987.40; **MNHN**: ZM-2005-331, ZM-2005-332 - Anengué, lake (01 08 29 S 09 29 29 E): **MNHN**: ZM-MO-1950-878 - Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-1947-222, ZM-MO-1985-1960 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-2006-145, ZM-MO-1985-1431, ZM-MO-1985-1432, ZM-MO-1985-1433, ZM-MO-1985-1434, ZM-MO-1985-1435, ZM-MO-1985-1436, ZM-MO-1985-1437, ZM-MO-1985-1438, ZM-MO-1985-1439, ZM-MO-1985-1440, ZM-MO-1985-1456, ZM-MO-1985-1457, ZM-MO-1985-1458, ZM-MO-1985-1459, ZM-MO-1985-1460, ZM-MO-1985-1461, ZM-MO-1985-1462, ZM-MO-1985-1463, ZM-MO-1985-1464, ZM-MO-1985-1465, ZM-MO-1985-1466, ZM-MO-1985-1467, ZM-MO-1985-1468, ZM-MO-1985-1469, ZM-MO-1985-1470, ZM-MO-1985-1471, ZM-MO-1985-1472, ZM-MO-1985-1473, ZM-MO-1985-1474, ZM-MO-1985-1475, ZM-MO-1985-1476, ZM-MO-1985-1477, ZM-MO-1985-1478, ZM-MO-1985-1479, ZM-MO-1985-1480, ZM-MO-1985-1481, ZM-MO-1985-1482, ZM-MO-1985-1483, ZM-MO-1985-1484, ZM-MO-1985-1485, ZM-MO-1985-1486, ZM-MO-1985-1487, ZM-MO-1985-1488, ZM-

MO-1985-1489, ZM-MO-1985-1490, ZM-MO-1985-1491, ZM-MO-1985-1492, ZM-MO-1985-1493, ZM-MO-1985-1494, ZM-MO-1985-1495, ZM-MO-1985-1496, ZM-MO-1985-1915, ZM-MO-1985-1916, ZM-MO-1985-1917, ZM-MO-1985-1918; **ZMA**: MAM.08298, MAM.08342, MAM.08409 - Como River: **MNHN**: ZM-MO-1985-315 - Como River (0009N 0949E): **ROM**: 101304 - Como River (0009N 0949E, 0 m): **ROM**: 101300004 - Grotte de Faucon (01 07 N 13 20 E): **ZMA**: MAM.08297, MAM.18510, MAM.18511, MAM.18512, MAM.18513, MAM.18514, MAM.18515, MAM.18516, MAM.18517, MAM.18518, MAM.18519, MAM.18520, MAM.18521, MAM.18522, MAM.18523, MAM.18524, MAM.18525, MAM.18526, MAM.18527, MAM.18528, MAM.18529, MAM.18530, MAM.18531, MAM.18532, MAM.18533, MAM.18534, MAM.18535, MAM.18536, MAM.18537, MAM.18538, MAM.18539, MAM.18541, MAM.18542, MAM.18543, MAM.18544, MAM.18545, MAM.18546, MAM.18547, MAM.18548, MAM.18549, MAM.18550, MAM.18551, MAM.18552, MAM.18553, MAM.18554, MAM.18555, MAM.18556, MAM.18557 - Grottes de Massa (01 07 N 13 09 E): **ZMA**: MAM.08295, MAM.08296, MAM.08299, MAM.08335, MAM.08336, MAM.08337, MAM.08338, MAM.08339, MAM.08340, MAM.08362, MAM.08365, MAM.08381, MAM.08403, MAM.08405, MAM.08406 - Ivindo National Park (ca. 00 15 N 12 45 E): **MNHN**: ZM-MO-1985-1441, ZM-MO-1985-1442, ZM-MO-1985-1443, ZM-MO-1985-1444, ZM-MO-1985-1445, ZM-MO-1985-1446, ZM-MO-1985-1447, ZM-MO-1985-1448, ZM-MO-1985-1449, ZM-MO-1985-1450, ZM-MO-1985-1451, ZM-MO-1985-1452, ZM-MO-1985-1453, ZM-MO-1985-1454, ZM-MO-1985-1455 - Mouila (01 52 S 11 01 E, 156 m): **MNHN**: ZM-MO-1947-858, ZM-MO-1948-484, ZM-MO-1948-485, ZM-MO-1949-309 - Ogooue-Maritime province: **USNM**: 584849 - Rabi 59 site (0157S 0952E): **USNM**: 584718 - Toucan Site (0148S 0954E): **USNM**: 584719.

Ghana:

Unknown locality: **BMNH**: 1910.10.23.3, 1910.10.23.4, 1911.1.22.2, 1912.6.20.15, 1931.6.27.11, 1996.454; **RMNH**: MAM.27322, MAM.27323, MAM.27331, MAM.27332; **ROM**: 61988, 61996, 61998, 62017, 62018, 62050, 62059, 62061, 62076, 62077, 62090, 62115, 62120, 62125, 62127, 62129, 62130, 62140, 62143, 62148, 62150, 62152, 62173, 62174, 62175, 62178, 62179, 62180, 62181, 62182, 62183, 62184, 62185, 62186, 62187, 70607, 70608 - Abokobi (0544N 0012W): **ZMB**: 4789, 8394, 8395 - Aburi (05 51 N 00 11 W, 300 m): **HNHM**: 73.102.1, 73.102.2, 73.102.3, 73.102.4, 73.102.5, 73.102.6, 73.102.7, 73.102.8, 73.102.9 - Akrokyere (06 56 N 01 20 W, 282 m): **ROM**: 70541, 70542, 70543, 70544, 70545, 70546, 70547, 70548, 70549, 70550, 70551 - Akropong (05 45 N 02 07 W): **ROM**: 70552, 70553, 70554, 70555, 70556, 70557, 70558, 70559, 70560, 70561, 70562, 70563, 70564 - Berekuso, 1 mi N (0546N 0013W): **USNM**: 412090 - Bibiani Mines (06 30 N 02 07 W): **ROM**: 62008, 62009, 62010, 62011, 62012, 62013, 62014, 62015, 62016 - Bogoso Mines (05 34 N 02 01 W): **ROM**: 62019, 62020 - Boti Falls (06 22 N 00 19 W): **ROM**: 55130, 55131, 55132 - Bungueli, near (ca. 09 42 50 N 01 53 31 W, ca. 275 m): **AMNH**: 237425 - Busunu (09 09 N 01 30 W, 145 m): **ROM**: 49070, 49071, 49072, 49073, 49074, 49075 - Damango Scarps (09 03 N 01 36 W): **ROM**: 49064, 49065, 49066, 49067, 49068, 49069 - Elmina (0505N 0121W): **ZMB**: 2571 - Fort St. George (05 05 N 01 21 W, 0 m): **HNHM**: 73.104.1, 73.104.2, 73.104.3, 73.104.4, 73.104.5, 73.104.6, 73.104.7, 73.104.8, 73.104.9, 73.107.1 - Gold Coast [=Goldküste] (ca. 05 20 N 00 45 W): **ZMB**: 2955 - Ho (06 36 N 00 28 E, 153 m): **ROM**: 62360, 62361, 62362, 62364, 62365, 62366, 62367, 62368, 62369, 62370, 62371 - Impriso: **ROM**: 62023, 62024, 62025, 62026, 62027, 62028, 62029, 62030, 62031, 62032, 62033, 62034, 62035, 62036, 62037, 62038, 62039, 62040 - Kadjebi [= Kajiebi] (07 32 N 00 28 E, 281 m): **ROM**: 62041, 62042, 62043, 62044, 62045, 62046, 62047, 62048, 62049, 62051, 62052, 62053, 62054, 62055, 62056, 62057, 62058 - Konongo (06 37 N 01 13 W, 231 m): **ROM**: 61990, 61991, 61992, 61993, 61994, 61995, 62176 - Kumasi Agricultural Station (06 45 N 01 34 W, 246 m): **ROM**: 70605 - Kumasi area (ca. 06 40 N 01 36 W): **ROM**: 62338 - Kuuni, 48 km (06 39 N 01 51 W, 226 m): **ROM**: 52017, 52019, 52025 - Mampong (07 04 N 01 24 W, 385 m): **ROM**: 62137, 62138, 62139, 62141, 62142, 62144, 62145, 62146, 62147, 62149, 62151, 62177 - Masabia Hshubi (07 04 N 01 24 W, 385 m): **ROM**: 51648 - Mpesetia (06 39 N 01 51 W, 226 m): **ROM**: 49095, 61971, 61972, 61973, 61974, 61975, 61976, 61977, 61978, 61979, 61980, 61981, 61982, 61983, 61984, 61985, 61986, 61987, 61989 - Mpisalia (06 39 N 01 51 W, 226 m): **ROM**: 51649 - Mpraeso (06 35 N 00 44 W, 367 m): **ROM**: 70565, 70566, 70567, 70568, 70569, 70570, 70571, 70572, 70573, 70574, 70575, 70576, 70577 - New Edubiase (06 04 N 01 24 W, 152 m): **ROM**: 70578, 70579, 70580, 70581, 70582, 70583, 70584, 70585, 70586, 70587, 70588, 70589, 70590, 70591, 70592, 70593, 70594, 70595, 70596, 70597, 70598, 70599, 70600, 70601, 70602, 70603, 70604 - Nkaw Nkaw (06 33 N 00 46 W, 253 m): **ROM**: 51636 - Ntronang [= Ntronane, Ntronan] (06 21 N 01 05 W, 165 m): **ROM**: 62060, 62062, 62063, 62064, 62065, 62066, 62067, 62068, 62069, 62070, 62071, 62072, 62073, 62074, 62075, 62078, 62079 - Oboasi (06 15 N 01 36 W): **ROM**: 62344, 62345, 62346, 62347, 62348, 62349, 62350 - Oboasi Mines (06 15 N 01 36 W): **ROM**: 62121, 62122, 62123, 62124, 62126, 62128, 62131, 62132, 62133, 62134, 62135, 62136 - Oda (05 55 N 00 56 W, 122 m): **ROM**: 61997, 61999, 62000, 62001, 62002, 62003, 62004, 62005, 62006, 62007 - Pra Suhien Forest Reserve (051910N 012649W): **USNM**: 479421 - Pristia Mines: **ROM**: 62100, 62101, 62102, 62103, 62104, 62105, 62106, 62107, 62108, 62109, 62110, 62111, 62112, 62113, 62114, 62116, 62117, 62118, 62119 - Shai Hills Resources Reserve, North End (05 57 N 00 04 E): **CM**: 113598, 113599, 113600, 113601, 113602, 113603, 113604 - Takwa Mines (05 28 N 00 51 W, 74 m): **ROM**: 62080, 62081, 62082, 62083, 62084, 62085, 62086, 62087, 62088, 62089, 62091, 62092, 62093, 62094, 62095, 62096, 62097, 62098, 62099 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **ROM**: 52038.

Guinea:

Unknown locality: **ZMB**: 366, 367, 368, 4520 - cave, Guinee-Maritime (ca. 0942N 1322W): **HNHM**: 66.170.1, 68.571.2, 69.78.1 - Foutadjalon Mt, Kallendu,cave (112555N 123538W): **HNHM**: 88.124.1, 88.124.2, 88.124.3, 88.124.4 - Mount Nimba (073700N 082500W): **MNHN**: ZM-MO-1981-1212, ZM-MO-1981-1213, ZM-MO-1981-1214 - Niomouya River (07 39 36 N 08 22 48 W): **MNHN**: ZM-MO-1981-1216 - Sérédou (08 22 56 N 09 17 59 W): **MNHN**: ZM-MO-1970-466, ZM-MO-1970-467, ZM-MO-1970-469, ZM-MO-1970-470, ZM-MO-1970-471, ZM-MO-1970-472, ZM-MO-1970-473, ZM-MO-1970-474 - Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1981-1211, ZM-MO-1981-1215.

Kenya:

Unknown locality: **BMNH**: 1896.10.24.2, 1896.12.18.1, 1896.12.18.2, 1896.12.18.3, 1901.1.3.1, 1905.11.21.2, 1905.6.2.1, 1910.6.2.36, 1910.6.2.38, 1910.7.2.15, 1922.7.17.77, 1926.5.12.10, 1926.5.12.11, 1926.5.12.12, 1926.5.12.13, 1926.5.12.14, 1926.5.12.15, 1973.1292, 1975.2520, 1975.2521, 1975.2522, 1975.2523_1, 1975.2523_2, 1975.2525_1, 1975.2525_2, 1975.2527_01, 1975.2527_02, 1975.2527_03, 1975.2527_04, 1975.2527_05, 1975.2527_06, 1975.2527_07, 1975.2527_08, 1975.2527_09, 1975.2527_10, 1975.2527_11, 1975.2527_12, 1975.2539, 1975.2540, 1975.2541_1, 1975.2541_2, 1975.2900_1, 1975.2900_2, 1975.2902_01, 1975.2902_02, 1975.2902_03, 1975.2902_04, 1975.2902_05, 1975.2902_06, 1975.2902_07, 1975.2902_08, 1975.2902_09, 1975.2902_10, 1975.2902_11, 1975.2902_12, 1975.2902_13, 1975.2902_14, 1975.2902_15; **MNHN**: ZM-MO-1985-826, ZM-MO-1985-827, ZM-MO-1985-828, ZM-MO-1985-829; **RMNH**: MAM.32075, MAM.32076, MAM.32077, MAM.32079, MAM.32080, MAM.32081, MAM.32082, MAM.32083, MAM.32084, MAM.32085, MAM.32086, MAM.32087, MAM.32088, MAM.32089, MAM.32090, MAM.32091, MAM.32092, MAM.32093, MAM.32094,

MAM.32095, MAM.32096, MAM.32097; **SMF**: 19415, 19416, 25766, 25767, 25768, 25769, 25770, 25771, 25772, 25774, 25776, 25777, 37560 - Aiuumandu Hills (ca. 0200S 3740E): **ROM**: 100115 - Archer's Post (0039N 3741E): **FMNH**: 152613, 152614; **USNM**: 182669 - Archer's Post (0039N 3741E, 914 m): **ROM**: 68451, 68452, 68453, 68454 - Athi river (0259S 3831E, 1524 m): **FMNH**: 67926 - Athi river (0259S 3831E, 1528 m): **ROM**: 68590, 77868 - Athi river (town) (0259S 3831E): **FMNH**: 152615, 152616 - Athi River Station (0127S 3659E, 1528 m): **ROM**: 83926 - Barberton Farm pool (0049N 3449E): **USNM**: 350967 - Baringo, lake (003400N 360100E, 3000 ft): **ROM**: 65905, 65906, 65907, 65908, 65909, 65910, 65911, 65912, 65913, 65914 - Cherangani Hills (0115S 3527E, 1981 m): **ROM**: 37242, 48545, 48546, 48547, 48548, 48549, 48550, 48551, 48552, 48553, 48554 - Coast [former] province: **SMF**: 39417, 39418, 39419, 39420, 39421, 39422 - Diatomite mine (00 25 49 S 36 10 25 E): **MMU**: PWW2818 - East Kyabe (0056S 3634E): **USNM**: 166394 - Guaso Nyiro (0035N 3732E): **USNM**: 166488, 166489, 166490, 166491, 166492, 166493, 166494, 166495, 166496, 166497, 166498, 166499, 166500, 166501, 166502, 166503, 166504, 166505, 166506, 166507, 166508 - Jaika cave (00 33 49 S 36 15 15 E): **MMU**: PWW2784, PWW2785, PWW2786, PWW2787, PWW2788, PWW2789, PWW2790, PWW2791, PWW2792, PWW2793, PWW2794, PWW2795, PWW2796, PWW2869, PWW2870, PWW2871, PWW2872, PWW2873, PWW2874, PWW2875, PWW2876, PWW2877, PWW2878, PWW2879, PWW2880, PWW2881, PWW2883, PWW2884, PWW2885, PWW2886, PWW2887, PWW2888, PWW2889, PWW2890, PWW2891, PWW2902, PWW2903 - Jula Farm: **USNM**: 166365 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 38299, 50467, 50473, 50474, 50475, 50476, 50477, 50481, 50482, 50498, 77860 - Kakamega Forest Mine (0011N 3451E): **ROM**: 45935, 45936, 45937, 45938, 77882, 77883, 77884, 83925 - Kakamega Forest, 12.8 km SE (001600N 345300E): **ROM**: 77871, 77873, 77874, 77875, 77876, 77877 - Kakamega Forest, 8 mi [= 12.8 km] SE (001600N 345300E): **ROM**: 77872 - Kampi Ya Samaki (0 36 00 N 36 01 00 E, 1000 m): **WAM**: M21212 - Kampi Ya Samaki (003600N 360100E, 1006 m): **USNM**: 436659, 436660, 436661, 436662, 436663, 436664, 436665, 436666, 436667, 436668, 436669, 436670, 436671, 436672, 436673, 436674, 436675, 436676, 436677, 436678, 436679, 436680, 436681, 436682, 436683, 436684, 436685, 436686, 436687, 436688, 436689, 436690, 436691, 436692 - Kampi Ya Samaki (003600N 360100E, 914 m): **ROM**: 68584, 68585, 68586, 68587, 68588, 68589 - Kamuani (ca. 0131S 3716E): **CUMV**: 13620 - Karen (01 20 00 S 36 45 00 E, 1706 - 1829 m): **WAM**: M21208, M21209 - Karen (01 20 S 36 45 E, 1706-1829 m): **USNM**: 436652 - Kedong Valley (011000S 363000E, 6000 ft): **MNHN**: ZM-MO-1911-1020, ZM-MO-1911-1021 - Kericho (0022S 3517E, 2093 m): **ROM**: 48597 - Kiambu (011000S 365000E): **FMNH**: 86537, 86538, 86539, 86540, 86541, 86542, 86543, 86544, 86545, 86546 - Kiambu, near (ca. 011000S 365000E, 1829 m): **FMNH**: 73077, 73078, 73079, 73080, 73081 - Kibuyuni area (042357S 391854E): **CUMV**: 13597 - Kibwesi (0225S 3758E, 1000 m): **ZMB**: 67660, 67661, 67671, 67690, 67764 - Kijabe (005600S 363400E, 2049 m): **FMNH**: 18426 - Kilifi (0338S 3951E, 61 m): **ROM**: 48692 - Kilimani Estate (0117S 3647E): **ROM**: 73148 - Kitale Township, W of (ca. 0101N 3501E): **ROM**: 51879, 51880, 51881, 51882, 51883, 51884, 51885, 51886, 51887, 51888, 51889, 51890, 51891, 51892, 51893, 51894, 51895 - Koru (00 11 S 35 16 E, 1980 m): **ROM**: 68446, 68447, 68448, 68449, 68450 - Kwale district (04 11 S 39 27 E): **TTU**: 33199 - Lake Baringo (003800N 360500E, 3000 ft): **AMNH**: 219736, 219737 - Lake Elementeita (002625S 361434E, 1829 m): **ROM**: 59248, 59249, 59250, 59251, 59252, 59253, 59254, 59255, 59256, 59257, 59258 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **CAS**: 11948; **ROM**: 35683, 36319, 77861, 77862, 77863, 77869, 77870; **USNM**: 350907, 350968 - Lake Naivasha, E shore (ca. 00 46 00 S 36 21 00 E, 6000 ft): **FMNH**: 152617, 152618, 152619, 152620 - Legatet Hill cave (0010S 3517E): **ROM**: 77878, 77879, 77880, 77881 - Londiani (001000S 353600E, 2440 m): **MSU**: MR.6155, MR.6156 - Makoyeti Gorge (0122S 3650E): **ROM**: 36318 - Marsabit mountain (021725N 375641E): **YPM**: MAM 003111 - Maungu (61m): **ROM**: 73178 - Mount Elgon (ca. 010043N 344415E): **ROM**: 65503, 65504, 65505, 65506 - Mount Elgon (ca. 010043N 344415E, 1890 m): **ROM**: 65478, 65479, 65480, 65481, 65482, 65483 - Mount Elgon (ca. 010043N 344415E, 1951 m): **ROM**: 51896, 51897, 51898, 51899, 51900, 51901, 51902, 51903 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1890 m): **ROM**: 42942, 42946, 42947, 42948, 42949, 42955 - Mount Marsabit (021725N 375641E, 1219 m): **ROM**: 73263, 73264, 73265, 73266, 73267, 73268 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152621 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 74489, 74490, 74491, 74503, 74504, 74512, 74535 - Muumandu Hill (014000S 371700E): **ROM**: 90444, 90445, 90446, 90447, 90448, 90449, 90450, 90451 - Mwele Forest (0417S 3921E): **MCZ**: 59878 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **CAS**: 12551; **MNHN**: ZM-MO-1905-192; **USNM**: 166390, 166392; **WAM**: M16512 - Nairobi River: **USNM**: 166388 - Nakuru, 6 km E (0017S 3607E): **ROM**: 77401 - Ngombeni [caves] (04 07 49 S 39 36 51 E, 31 m): **FMNH**: 86535 - Ngong (01 22 00 S 36 39 00 E, 1829 m): **ROM**: 38300, 68455, 68456 - Northern Guaso Nyiro (0006S 3713E): **USNM**: 166389 - Rift Valley [former] province: **SMF**: 43657, 43658, 43659 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 63901 - Ruiru (010900S 362508E, 1564 m): **CAS**: 12197 - Sagalla (0331S 3834E, 864 m): **FMNH**: 18415, 18416, 18417, 18418, 18419, 18420, 18421, 18422, 18423, 18424, 18425 - Shimoni (04 38 50 S 39 23 00 E, 0 m): **ROM**: 74488 - Shimoni cave (04 38 50 S 39 23 00 E, 0 m): **ROM**: 46947, 46948, 46949, 46950 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **ROM**: 38429, 38430 - Suam River, Korau (0306N 3606E): **ROM**: 45939, 45940 - Takabba, 25 mi [= 40 km] WSW (0322N 3945E, 853 m): **ROM**: 68189, 68192, 68193, 68194, 68195 - Tiwi (04 14 S 39 35 E, 5 m): **FMNH**: 86536 - Tsavo (030000S 384000E): **MCZ**: 31844, 31845, 31846, 32062, 32063, 32064, 32065 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **AMNH**: 114474, 114475, 114477, 114478, 114479; **ROM**: 35315.

Liberia:

Mount Nimba (07 30 00 N 08 30 00 W): **MNHN**: ZM-MO-1992-172 - Teayee (0703N 0909W): **BMNH**: 1979.497.

Malawi:

Unknown locality: **BMNH**: 1908.4.3.16, 1908.4.3.17, 1908.4.3.18, 1908.4.3.19, 1916.3.10.2, 1922.12.17.19, 1922.12.17.20, 1922.12.17.21, 1922.12.17.22, 1922.12.17.23, 1922.12.17.24, 1922.12.17.25, 1922.12.17.26 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **FMNH**: 48704, 48705; **KU**: 79289, 79290 - Kota Kota (12 55 00 S 34 18 00 E, 471 m): **AMNH**: 161902, 161903, 161904, 161905, 161906, 161907, 161908, 161909, 161910, 161911, 161912, 161913, 161914 - Mughese Forest (0939S 3332E, 1625 m): **NHMZ**: 64282 - Nsanje (16 55 S 35 16 E, 14 m): **KM**: 1842 - Tembuka (1428S 3516E): **MCZ**: 43776, 43777, 43778.

Mali:

Djenné (13 54 16 N 04 33 36 W, 273 m): **MNHN**: ZM-MO-1911-1586 - Falea (12 15 51 N 11 16 38 W, 459 m): **DNSM**: 14076.

Mauritania:

Terjit (20 14 48 N 13 05 13 W, 418 m): **EBD**: MAM 26178.

Morocco:

Tiguerte cave (ca. 30 38 N 09 50 W): **EBD**: MAM 23262.

Mozambique:

Unknown locality: **BMNH**: 1968.1003; **SMF**: 87654 - Beira, 212 km SSW (212612S 335101E): **TTU**: 8307 - Cheringoma Caves (18 33 53 S 034 52 19 E): **DNSM**: 8588 - Chicualacuala (22.63S 31.63E): **CZL**: 4800715 - Estatuane (26.37S 32.12E): **NHMZ**: 63464 - Gerhard's Cave (21 40 12 S 34 51 36 E, 68 m): **TM**: 48051 - Gurue, 2.9 km N, 8.9 km E (1525S 3704E, 984 m): **FMNH**: 177114, 177115, 177116, 177117, 177118, 177119, 177120, 177121, 177122, 177123, 177124, 177125, 177126, 177127, 177128, 177129, 177215 - Ibo (1459S 4041E): **ZMB**: 365 - Inyoka Mountain (2245S 3248E): **USNM**: 352043, 352044, 352045, 352046, 352047 - Inyoka Mountain (25.03S 32.65E): **USNM**: 352042 - Lorenzo Marques [= Maputo] (25.88S 32.63E): **SAMC**: 38836 - Maputo Camp (12 10 56 S 37 33 01 E): **DNSM**: 8590 - Marromeu, 40 km W (18.25S 35.5E): **NHMZ**: 33594 - Massamba, 16 km E (16.13S 33.63E): **USNM**: 365242 - Massangena (21 33 18 S 32 57 38 E, 115 m): **DNSM**: 8586 - Mazambo (23 23 S 32 22 E): **BRTC**: 20886; **TM**: 1637 - Mepuze (23 12 19 S 32 29 55 E): **DNSM**: 8587 - Muchena (15 40 56 S 33 48 20 E, 356 m): **TM**: 1057, 14666; **USNM**: 365243 - Mungari, 5 km N (17 10 00 S 33 33 00 E, 500 m): **USNM**: 367535 - Mzambo (2323S 3222E): **TM**: 1638 - Niassa Game Reserve, S of (12 52 08 S 37 41 31 E): **DNSM**: 8589 - Nkuli Camp (12 10 09 S 038 14 34 E): **DNSM**: 8591 - Nogochene caves (ca. 2141S 3452E): **AMNH**: 216214, 216215, 216216, 216217, 216218, 216219, 216220, 216221, 216237, 216238 - Sofala province: **SMF**: 89149 - Tete, 2 mi SE (1607S 3337E): **USNM**: 365229, 365230, 365231, 365232, 365233, 365234, 365235, 365236, 365237, 365238, 365239, 365240 - Tete, 3 km E (16.27S 33.6E): **USNM**: 365228 - Tete, near (ca. 160923S 333512E): **MCZ**: 43774 - Tette [=Tete] (1610S 3335E, 230 m): **ZMB**: 364/85624 (Holotype *Phyllorrhina gracilis*), 85624 - Vila Gamlto, 10 km N (14.08S 33.02E): **USNM**: 479262 - Vila Gamito (140959S 325213E): **TM**: 14668, 14669, 14670, 14671, 14672, 14673, 14674, 14675, 14676, 14677, 14678, 14679, 14680, 14681 - Vila Gamito, 10 km N (1404S 3259E): **USNM**: 365248, 365249, 365251, 365252, 365253, 365265, 365266, 365270, 365271, 365272, 365274, 479263, 479264, 479265, 479266, 479267 - Vilanculos (22.0S 35.28E): **CZL**: 5520262 - Villa Moatize, 17 km E (1605S 3342E): **TM**: 41544 - Zinave (21 26 12 S 33 51 01 E): **AMNH**: 245160, 245161, 245162, 245163, 245164, 245165 - Zinave NP (21.37S 33.87E): **NHMZ**: 34020 - Zinave NP (21.39S 33.89E): **NHMZ**: 63448.

Namibia:

Unknown locality: **SMF**: 89528 - Andara,Okavango (18.13S 21.38E): **SMW**: 6719 - Arnhem Cave (22.7S 18.1E): **SMW**: 3991 - Bat's hole [=Bats cave] (2239S 1531E): **TM**: 28904, 28905 - Daan Viljoen NP (22.63S 16.88E): **SMW**: 12224 - Etosha NP, Halali (19.13S 16.38E): **SMW**: 2385 - Etosha NP, Namutoni (18.8S 16.97E): **SMW**: 8084 - Hot Spring (2237S 1707E): **TM**: 5799 - Kaoko Otavi (1818S 1346E, 1370 m): **FMNH**: 48709 - Kaoko Veld, southern part (ca. 1900S 1300E): **FMNH**: 84184, 84185, 84186 - Kaoko-Otavi (18 18 S 13 42E, 1370 m): **DNSM**: 25 - Katima Mulllo (17.5S 24.33E): **KM**: 1846 - Klein Okombhe, Omaruru (20.88S 15.63E): **SMW**: 7856 - Mount Raupenhelm, near: **FMNH**: 78145, 78146, 78147, 78148, 78149, 78150 - Namib-Naukluft NP, Bat's Hole (22.65S 15.52E): **SMW**: 7605 - Okahandja (21 59 S 16 55 E, 1324 m): **FMNH**: 77490, 77491, 77492, 77493, 77494, 77495, 78151, 78152, 78153, 78154, 78155, 78156 - Okatana (17 47 00 S 15 41 00 E, 1074 m): **RMCA**: 95.093-M-0003, 95.093-M-0015, 95.093-M-0017 - Okongava (22.13S 15.88E): **SMW**: 6782 - Omaruru, 30 km NW (20.97S 15.3E): **LACM**: 52731 - Ombalantu (17.38S 14.88E): **SMW**: 1164 - Ombika (19.38S 15.88E): **SMW**: 8095 - Ombombo (1843S 1353E): **FMNH**: 48706, 48707, 48708; **ZMB**: 42758 - Opuwo, 70 km S (17.47S 13.03E): **LACM**: 58986 - Opuwo, S (18.7S 13.92E): **KM**: 1872 - Otjikoko-Sud (21.88S 16.88E): **SMW**: 3519 - Otjimbingue (2215S 1610E): **ZMB**: 3296a, 8399, 8400, 8401 - Otjimbingwe (22 21 S 16 08 E, 844 m): **TM**: 16369, 16370, 16371, 16372, 16373, 16374 - Outjo (20.11S 16.15E): **KM**: 28207 - Rehoboth, 20 km NW (22.67S 16.83E): **LACM**: 52700 - Sinclair Mine, Luderitz (25.63S 16.63E): **SMW**: 3856 - Tsumamas,Outjo (20.13S 15.63E): **SMW**: 11962 - Waterberg, 416 (20.63S 17.38E): **SMW**: 4331.

Niger:

Niamey (1331N 0207E, 207 m): **MNHN**: ZM-MO-1985-820, ZM-MO-1985-821 - Tapoa, 12 km E (12 29 12 N 02 31 58 E): **BRTC**: 27852 - Tapoa, 2 km E (12 36 N 02 29 E): **USNM**: 462782.

Nigeria:

Unknown locality: **BMNH**: 1921.2.11.5, 1921.2.11.6, 1921.2.11.7, 1964.50, 1964.51 - Afon (0819N 0431E): **USNM**: 479301, 479302, 479303, 479304, 479305, 479306, 479307, 479308, 479309, 479310, 479311, 479312, 479313, 479314, 479315, 479316, 479317, 479318, 479319, 479320, 479321, 479322, 479323, 479324, 479325, 479326, 479327, 479328, 479329, 479330, 479331, 479332, 479333, 479334, 479335, 479336, 479337, 479338, 479339, 479340, 479341, 479342, 479343, 479344, 479345, 479346, 479347, 479348, 479349, 479350, 479351, 479352, 479353, 479354, 479355, 479356, 479357, 479358, 479359, 479360, 479361, 479362, 479363, 479364, 479365, 479366, 479367, 479368, 479369, 479370, 479371, 479372, 479373, 479374, 479375, 479376, 479377, 479378, 479379, 479380, 479381, 479382, 479383, 479384, 479385, 479386, 479387, 479388, 479389, 479390, 479391, 479392, 479393, 479394, 479395 - Dada (1134N 0429E): **USNM**: 479396, 479397, 479398, 479399, 479400, 479401, 479402, 479403, 479404, 479405, 479406, 479407, 479408, 479409, 479410, 479411, 479412, 479413, 479414, 479415, 479416, 479417, 479418, 479419, 479420 - Kaduna state: **SMF**: 77310, 77311, 77312, 77313, 77314, 77315, 77316, 77317, 77318, 77319, 77320, 77321, 77322, 77323, 77324 - Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 83996 - Kware (131305N 051602E, 268 m): **USNM**: 580602, 580603 - Wikki (09 46 10 N 10 31 58 E): **ROM**: 77739, 86064, 86065, 86066, 86950, 86951, 86952, 86953, 86954, 86955, 86956, 86957, 86958 - Yankari (09 36 N 10 40 E, 276 m): **ROM**: 84077, 84078 - Zaria (1101N 0744E): **ROM**: 86941.

Rwanda:

Kissenji [=Gisenyi] (014115S 291517E, 1450 m): **ZMB**: 67685.

São Tomé and Principé:

Principé island (ca. 0137N 0725E): **ZMB**: 3468.

Senegal:

Unknown locality: **BMNH**: 1906.12.1.5; **MNHN**: ZM-MO-1985-295; **SMF**: 92757 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1973-537, ZM-MO-1973-559, ZM-MO-1973-580, ZM-MO-1973-581, ZM-MO-1973-582, ZM-MO-1973-583, ZM-MO-1973-584, ZM-MO-1973-585, ZM-MO-1973-586, ZM-MO-1973-587, ZM-MO-1973-588, ZM-MO-1973-589, ZM-MO-1973-590, ZM-MO-1973-591, ZM-MO-1973-592, ZM-MO-1973-593, ZM-MO-1973-594, ZM-MO-1973-595, ZM-MO-1973-598, ZM-MO-1973-599, ZM-MO-1973-600, ZM-MO-1973-601, ZM-MO-1973-602, ZM-MO-1984-1292, ZM-MO-1995-686 - Dindefelo (1221N 1219W): **IVB**: S862 - Goudiri (1412N 1214W): **USNM**: 381335, 381336, 381337, 381338, 381339, 381340, 381341, 381342, 381343 - Kassas forest (14 14 N 15 35 W): **MNHN**: ZM-MO-1973-605 - Niangné (Nianié) cave: **MNHN**: ZM-MO-2003-732 - Niokolo Koba NP, Simenti (1301N 1317W): **IVB**: S1217, S235 - Richard Toll (1625N 1542W): **MCZ**: 3267 - Richard Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1984-1252, ZM-MO-1984-1282, ZM-MO-1984-1283, ZM-MO-1984-1284, ZM-MO-1984-1285, ZM-MO-1984-1286, ZM-MO-1984-1287, ZM-MO-1984-1288, ZM-MO-1984-1289, ZM-MO-1984-1290, ZM-MO-1984-1291, ZM-MO-1984-1324, ZM-MO-1984-1325 - Silacounta (12 38 39 N 12 07 25 W, 90 m): **MNHN**: ZM-MO-1973-606, ZM-MO-1973-607, ZM-MO-1973-608, ZM-MO-1973-609, ZM-MO-1973-610 A, ZM-MO-1973-610 B, ZM-MO-1973-611, ZM-MO-1973-612, ZM-MO-1973-613, ZM-

MO-1973-614, ZM-MO-1973-615, ZM-MO-1973-616, ZM-MO-1973-617, ZM-MO-1973-618, ZM-MO-1973-619, ZM-MO-1973-620, ZM-MO-1973-621, ZM-MO-1973-622, ZM-MO-1973-623, ZM-MO-1973-624, ZM-MO-1973-625, ZM-MO-1973-626, ZM-MO-1973-627, ZM-MO-1973-628, ZM-MO-1973-629, ZM-MO-1973-63, ZM-MO-1973-630, ZM-MO-1973-631, ZM-MO-1973-632, ZM-MO-1973-633, ZM-MO-1973-634, ZM-MO-1973-636, ZM-MO-1973-637, ZM-MO-1973-638, ZM-MO-1973-639, ZM-MO-1973-640, ZM-MO-1973-641, ZM-MO-1973-642, ZM-MO-1973-643, ZM-MO-1973-644, ZM-MO-1973-645, ZM-MO-1973-646, ZM-MO-1973-647, ZM-MO-1973-648, ZM-MO-1973-649.

Sierra Leone:

Unknown locality: **USNM**: 502916 - Outamba-Kilimi-NP (0940N 1210W): **USNM**: 546989 - Outamba-Kilimi-NP (0945N 1210W): **USNM**: 546994, 546997, 546999, 547000, 547001, 547009, 547010.

Somalia:

Unknown locality: **BMNH**: 1910.3.27.8, 1910.3.27.9, 2008.5 - Mogadischu [=Mogadishiu =Moqdisho] (0204N 4522E): **ZMB**: 67663, 67664, 67665, 67666, 67667, 67692, 67708, 67709, 67710, 67711, 67712, 67713, 67714, 67715, 67716, 67717, 67718, 67719, T10213 - Mogadisio, 3 mi N (ca. 0204N 4522E): **AMNH**: 188273, 188274, 188275, 188276, 188277, 188278, 188279, 188280, 188281, 188282, 188283, 188284.

South Africa:

Unknown locality: **AMNH**: 169174 - Babanango (28.38S 31.0E): **KM**: 23715 - Bayete Camp (27 46 48 S 32 18 36 E, 56 m): **DNSM**: 8792, 8796 - Blouberg Private Nature Reserve] (23 02 S 29 07 E, 584 m): **TM**: 24067, 24082 - Blyderivierspoort Nature Reserve, Bourkes Luck (2440S 3048E): **TM**: 40825 - Bobomene Research Camp (222550S 311250E): **TM**: 39468 - Bube pan (27 47 S 32 12 E): **DNSM**: 4575, 4579, 4580, 4581, 4584, 4588; **TM**: 35300, 35301, 35302, 35303, 35304, 35305, 35306, 35307, 35308, 35343, 35344, 35345, 35346, 35347, 35348, 35349, 35350 - Buffelshoek Farm 446 KQ (244018S 272138E): **USNM**: 468413 - Cape of Good Hope: **ZMB**: 4732 - Dlinza Forest (28 53 59 S 31 27 00E, 515 m): **DNSM**: 5073 - Doornhoek mine (29 36 S 30 31 E, 535 m): **TTU**: 40972 - Doornkraal Camp Site (27 30 27 S 31 12 25 E): **DNSM**: 5995, 5996, 5997 - Dukuduku Forest Station (28 23 00 S 32 19 00 E): **TM**: 40351, 40352, 40389, 40397, 40398, 40399, 40400, 40418, 40419 - Dumisa Gold Mine (30 16 05 S 30 26 29 E, 685 m): **TM**: 30136, 30139, 30148 - eGodeni (28 05 00 S 32 02 01 E): **DNSM**: 5612, 5613 - Entumeni Nature Reserve (28 53 03 S 31 22 15 E): **DNSM**: 4778 - Esperanza [=Beneva] Tunnel (30 20 38 S 30 37 53 E, 10 m): **DNSM**: 5076, 5077 - Farm Elandsfontein 435KT, Bourke's Luck (2440S 3048E): **TM**: 46483 - Farm Goudhoek (2818S 3101E): **TM**: 36358, 36359, 36368, 36369, 36370, 36371, 36372, 36373, 36374, 36375, 36376, 36377, 36378, 36379, 36380, 36381, 36382, 36383, 36384, 36385, 36386, 36387, 36411, 36412, 36413 - Farm Hilda [=V.L.NR.] (2229S 2913E): **TM**: 45420 - Farm Mokeetsi 376 (23 42 S 30 08 E): **TM**: 3035, 3036 - Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein] (2501S 2737E): **TM**: 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647 - Farm Tygerkloof 354 (24 41 40 S 27 12 33 E): **TM**: 45220, 45222 - Farm Welgevonden 449 (23 32 S 28 26 E, 1277 m): **DNSM**: 13574, 13596 - Farm Zwarthoek 794 (2259S 2953E): **TM**: 4905 - Figaro Mine (2527S 3128E): **TM**: 41309, 41310, 41311, 41312, 41313, 41314, 41315, 41316, 41317, 41318 - Gatkop cave (24 37 05 S 27 39 08 E): **TM**: 48454, 48455 - Gazankulu, Manyeleti Game Reserve, Main Camp (2438S 3128E): **TM**: 39228 - Griffin mine (2359S 3031E): **TM**: 1493 - Gwalali (2225S 3118E): **TM**: 38851 - Harold Johnson Nature Reserve (29 12 00 S 31 25 36 E): **DNSM**: 5533 - Hectorspruit (25 26 00 S 31 41 00 E, 245 m): **TM**: 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 41013 - Hella Hella Game Valley Estates (29 54 S 30 05 E, 564 m): **DNSM**: 5751 - Hlabisa (28.18S 31.95E): **KM**: 23716 - Ingwavuma (2708S 3202E): **TM**: 7121 - Jozini Dam (27 25 00 S 31 58 00 E): **DNSM**: 5097, 5098 - Kranzkloof Nature Reserve (29 46 S 30 50 E, 434 m): **DNSM**: 1272 - Kruger National Park (25 03 38 S 31 19 19 E): **KNP**: 186 - Kruger NP, Levuvhu Bridge (22.42S 31.18E): **KM**: 31375 - Kruger-NP, Bangu gorge caves (2407S 3152E): **TM**: 36893 - Kububе Hide (27 37 30 S 32 14 13 E): **DNSM**: 8749, 8750, 8751, 8752, 8755 - Kumsinga Hide (27 37 43 S 32 14 09 E, 94 m): **DNSM**: 4572, 8746, 8747, 8748, 9531 - KwaZulu-Natal province: **USNM**: 17793 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 30546, 34182 - Leydsdorp (2359S 3031E): **TM**: 4831, 4832 - Limpopo province: **TM**: 48100 - Loskop Dam Nature Reserve (2525S 2920E): **TM**: 19835, 19840, 19852 - Louw's Creek (2539S 3118E): **TM**: 2475 - Lower Sabie Rest Camp, 15 km SE (251150S 3202E): **TM**: 39771 - Makalali Farm (2352S 3022E): **TM**: 38567, 38568 - Malelane Old Mine Shaft (ca. 2528S 3131E): **TM**: 47616 - Malelane, 11 km ENE (ca. 2525S 3135E): **AMNH**: 257178, 257179, 257180, 257181, 257182, 257183, 257184, 257185 - Malvern (29 53 S 30 55 E, 179 m): **TM**: 1047, 42817 - Mantuma Camp (27 35 46 S 32 13 03 E, 103 m): **DNSM**: 10672, 10707, 11003 - Mfongosi (28.63S 30.88E): **SAMC**: 13544a - Mhlabatini (28.23S 31.77E): **KM**: 23717 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **ROM**: 41722, 41723, 41724, 41725, 41726 - Mooiplaas, SAPPI (28 33 30 S 31 09 55 E, 864 m): **DNSM**: 4561, 4704, 4705, 4706, 4707, 4708, 4709, 5599, 5600, 5601, 5602, 5603 - Mpalane Lodge (27 23 44 S 32 04 22 E, 172 m): **DNSM**: 7858 - Mpofu Pan (28 20 24 S 31 46 12 E): **DNSM**: 8054 - Msinga Hide (27 47 S 32 12 E, 94 m): **DNSM**: 4586, 4587, 4592, 4593 - Munywini Cave (ca. 24 47 S 031 50 E): **KNP**: 43, 44, 45 - Mutale River (2230S 3050E): **TM**: 7469, 7470, 7471 - Nagle Dam (29 36 S 30 37 E, 365 m): **DNSM**: 4061, 4063, 4064, 4065, 7323, 7409, 7410, 7411, 8957 - Ngqeleni (3140S 2902E): **TM**: 1046, 41014 - Ngxwala Hill (27 34 S 32 05 E): **DNSM**: 22, 24, 26, 27, 28, 625, 84 - Nibela peninsula (27 56 S 32 26 E): **DNSM**: 10164, 10165, 10167, 10170, 10177, 10211, 12564, 12565 - Nwanetzi, 1 km N (2427S 3158E): **AMNH**: 257174 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36962, 36963, 36964, 36965, 36966, 36967, 36969, 38264 - Oribi-Lind Valley Game Ranch (30 43 S 30 16 E): **TM**: 34338, 34339, 34340, 34341, 34342, 34343 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 48567, 48583, 48584, 48586 - Pafuri area (222530S 311230E): **AMNH**: 257175, 257176, 257177, 257186 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 38522 - Phinda Rock Lodge (27 52 46 S 32 16 45 E, 57 m): **DNSM**: 13157, 13158, 13159, 13160 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **KM**: 23724 - Pietermaritzburg, 20 km ENE (ca. 29 27 S 30 29E): **AMNH**: 245217, 245218, 245219, 245220 - Pongolapoort Dam (27 25 08 S 32 04 16 E, 122 m): **DNSM**: 6184, 6185, 6186, 6187, 7113, 7114, 9182 - Port Natal [=Durban] (29 51 S 31 01 E): **ZMB**: 4189 - Port Natal [=Durban], near (ca. 2952S 3100E): **BMNH**: 1848.6.2.16 (Syntype *Rhinolophus caffer*), 1849.11.22.11 (Syntype *Rhinolophus caffer*) - Port St. Johns (31.63S 29.55E): **SAMC**: 5574 - Port St. Johns (3138S 2933E): **TM**: 7804, 7805, 7806, 7807, 7808, 7809 - Punda Maria (22 41 00 S 31 01 00 E): **KNP**: 79 - Punda Maria Camp (224100S 310100E, 580 m): **KU**: 163983, 163984 - Sabie (2506S 3048E): **TM**: 42816 - Sabie Forest Rest Area (250800S 303900E): **TM**: 47150 - Sezela (30 25 00 S 30 41 00 E, 9 m): **DNSM**: 5043 - Shashi-Limpopo River confluence (2211S 2922E): **TM**: 45094 - Shingwedzi camp (23 06 32 S 31 26 10 E): **KNP**: 47, 48 - Shongweni Dam (29 51 42 S 30 43 16 E, 290 m): **DNSM**: 4431 - Skukuza Koppies (25 06 S 31 36 E): **TM**: 13473 - Soekmekaar, Groenbult (2332S 295530E): **TM**: 44233 - Somkele (2819S 3206E, 110 m): **USNM**: 199516 - South Cave, 5 km East of Metsi Metsi Windmill, on N'Waswitsontso river (ca. 24 47 29 S 031 56 33 E): **KNP**: 161, 162, 163 - Stan Hope Mine (28 33 45 S 31 09 45 E, 864 m): **DNSM**: 14057, 14058, 14059, 14060, 14155, 14156, 14157, 14158 - Stoltznek Dam (2522S 3122E): **TM**: 30048 - Tarkastad, 13 km S (2403S 3106E): **TM**: 24256, 24257, 24258, 24259, 24260, 24261, 24262, 24263, 24264, 24265, 24266, 24267, 24268, 24269, 24270, 24271, 24272, 24273, 24274 - Thabazimbi, 20 km SE (24.67S 27.37E): **USNM**: 468412 - The Downs (2408S 3011E): **TM**:

27507, 27509, 27510, 27511, 27512, 27513, 27514, 27515, 27516 - Thornhill Farm 171 JU, Figaro mine (2527S 3138E): **TM**: 39781, 39782, 39783, 39784 - Transvaal province: **MCZ**: 25167 - Tshokwane (24 46 35 S 31 51 21 E): **KNP**: 33 - Tshokwane picnic spot, 12 km E (24 47 01 S 31 58 43 E): **TM**: 39735 - Tzaneen (23 50 S 30 10 E, 742 m): **TM**: 7084 - Umdoni Park (30 24 S 30 41 E, 50 m): **KU**: 135014, 135858, 135859, 135860; **TM**: 42504 - Umfolozi Game Reserve (2819S 3150E): **TM**: 3019, 3020, 3021 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 10099, 10159, 10655, 11007, 11008, 9515 - Umtamvuna Gorge Nature Reserve (30 10 27 S 30 10 13 E, 119 m): **DNSM**: 5457, 5458 - Umzumbi Mission (30 34 00 S 30 26 00 E): **AMNH**: 243854, 81867, 81868, 81869, 81887, 81888 - Vernon Crookes Nature Reserve (3016S 3036E): **TM**: 29794, 29802 - Xingwedzi Rest Camp (23 06 32 S 31 26 10 E): **KNP**: 46 - Xirhombe Pan (22 42 49 S 31 23 22 E): **KNP**: 131, 132 - Xirimantanga (25 06 24 S 31 35 42 E): **KNP**: 169.

South Sudan:

Bahr el Jebel (0445N 3135E): **ZMB**: 42430, 67689 - Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586742, 586743 - Gondokoro (045400N 314000E, 545 m): **USNM**: 164950, 164951, 164952 - Gondokoro (0454N 3140E): **USNM**: 164939, 164942, 164945, 164946, 164947, 166396, 166410, 166414, 166415, 166417, 166422, 166424, 166426, 166429, 166440, 166451, 166455, 166456, 166457, 166458, 166459, 166467, 166479, 166481, 166484, 166487 - Seriba Ghatta (0724N 2836E): **ZMB**: 26555, 26557, 26559, 26561, 3296b, 3799, 6255, 67720, 67721, 8397, 8398 - Sunnat (041925N 324756E): **USNM**: 368917.

Swaziland:

Unknown locality: **BMNH**: 1989.39 - Bhubesi Camp (2611S 3152E): **TM**: 47721 - Kubuta (26 52 48 S 31 28 12 E, 508 m): **DNSM**: 7918, 7920 - Maguga (26 04 56 S 31 15 07 E): **NMB**: 11566, 11567, 11568, 11570, 11571 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **BMNH**: 1989.0039; **DNSM**: 5823, 8507; **TM**: 44898 - Ndlovu Camp (26 15 35 S 31 52 37 E, 280 m): **DNSM**: 8431 - Wyldesdale (2549S 3116E): **TM**: 1985, 1986.

Tanzania:

Unknown locality: **BMNH**: 1868.2.16.14, 1924.1.1.31, 1924.1.1.32, 1924.1.1.36, 1955.260, 1956.238, 1956.261, 1956.390, 1956.391, 1956.392, 1956.393, 1956.91, 1960.71, 1960.72, 1960.73, 1960.74, 1960.79, 1964.1535, 1964.1536, 1964.1537, 1964.1538, 1964.1539, 1964.1540, 1964.1541, 1964.1545, 1964.1547, 1964.1548, 1964.1551, 1964.1552, 1964.1553, 1964.1554, 1964.1555, 1964.1556, 1964.1557, 1964.1558, 1964.1560, 1964.1562, 1964.1563, 1964.1564, 1964.1565, 1964.1566, 1964.1573, 1964.1575, 1964.1576, 1964.1577, 1964.1580, 1964.1686, 1964.1760, 1964.1761, 1964.1762, 1964.1763, 1968.70, 1968.71; **SMF**: 11435, 11436, 19457 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **MCZ**: 22501, 22502; **TM**: 14018, 29272, 29275; **ZMB**: 67670, 67687 - Ambangulu Estate (05 05 S 38 26 E, 1120 - 1300 m): **ZMB**: 67668, 67669 - Arusha region: **SMF**: 66948, 66963, 89641 - Banagi (02 16 S 34 51 E, 1413 m): **CAS**: 24683, 24684, 24685, 24686, 24687, 24688, 24689, 24690, 24691, 24692; **ROM**: 63355, 63356, 63357, 63358, 63359, 63360 - Bungi-Gurunsini (0615S 3919E, 5 m): **FMNH**: 198072, 198073, 198074, 198075, 198076, 198077, 198078, 198079, 198080 - Gonja Maore (0415S 3803E, 550 m): **FMNH**: 151427 - Imbala (06 51 S 36 59 E): **KU**: 79288 - Ingalala (0841S 3641E): **ROM**: 77865 - Juani Island (080036S 394631E): **FMNH**: 187387, 187388, 187389, 187428, 187429 - Kafukola (08 05 00S 31 57 00 E, 1126 m): **TM**: 31097, 31098, 31099, 31100 - Kagera region: **SMF**: 70456, 70457 - Kihansi Gorge (4.7542S 38.8028E, 450 m): **FMNH**: 163386 - Kijijini village (0454S 3941E, 21 m): **FMNH**: 192784, 192785, 192786, 192787, 192788, 192789, 192790, 192791, 192849, 192850, 192851, 192852, 192853, 192854, 192855 - Kilindoni Forest strip (07 53 21 S 39 40 57 E): **SMF**: 79622 - Kilosa (06 50 S 36 59 E, 572 m): **FMNH**: 48712, 48713; **MCZ**: 20626, 20627, 20628, 20629, 20630, 20631, 20632, 20633, 20634, 20635, 20636, 22800, 22801, 22802, 22803, 22804, 22805, 22806, 22807, 22808, 23111, 23113; **USNM**: 297471 - Kilossa (06 50 00 S 36 59 00 E, 572 m): **AMNH**: 55572, 55573, 55574, 55575 - Kisarawe, near (ca. 0653S 3903E): **USNM**: 536189 - Kiwengwa (0601S 3923E): **NMP**: pb2632 - Korogwe (050900S 382900E): **FMNH**: 86674 - Kua ruins (080016S 394600E): **FMNH**: 187384, 187385, 187386 - Lindi (10 00 S 37 43 E, 0 m): **ZMB**: 4240b, 9239, 9241, 9242 - Lindi region: **SMF**: 83611, 83612, 83613, 83614 - Mahenge (08 41 S 36 43 E, 1276 m): **ROM**: 77866 - Marungu (03 44 00 S 30 48 00 E, 1317 m): **ZMB**: T09819 - Maziwa ya Ngombe (0459S 3952E, 1 m): **MCZ**: 33140, 33141, 33142, 33143 - Mbala (ca. 06 50 S 37 00 E): **USNM**: 297472 - Mbuyuni village (0507S 3945E): **FMNH**: 192792, 192793, 192794, 192795, 192796, 192797, 192798, 192799, 192856 - Mikindani (10 17 S 40 07 E, 17 m): **ZMB**: 67662 - Minaki, St. Andrews College (06 54 01 S 39 05 32 E): **KU**: 89944 - Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **FMNH**: 192930, 192931, 192932, 192933, 192934, 192935, 193050, 193051, 193052, 193053, 193054 - Mlola Forest (0753S 3951E, 20 m): **FMNH**: 187366, 187367, 187368, 187369, 187370, 187371, 187372, 187373, 187374, 187375, 187376, 187377, 187378, 187379, 187380, 187381, 187382, 187383, 187416, 187417, 187418, 187419, 187420, 187421, 187422, 187423, 187424, 187425, 187426, 187427 - Morogoro region: **SMF**: 82530 - Mtandika (07 32 00 S 36 26 00 E, 596 m): **ZMB**: 61009, 61010, 61011, 61012, 61013, 61014 - Mtwara region: **SMF**: 28249 - Nyanga (041123S 300619E, 1230 m): **MCZ**: 22374 - Pange Juu cave (0617S 3927E, 15 m): **FMNH**: 198081, 198082, 198083, 198084 - Pashuni cave (0553S 3919E, 55 m): **FMNH**: 198054, 198055, 198056, 198057, 198058, 198059, 198060, 198061, 198062, 198063, 198064, 198065, 198066, 198067, 198068, 198069, 198070, 198071, 198130, 198131, 198132, 198133, 198134, 198135, 198136, 198137, 198138, 198139, 198140, 198141, 198142, 198143, 198144 - Slave Cave (0600S 3911E): **NMP**: pb2624, pb2625 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ROM**: 77864; **ZMB**: 10107, 11395, 11396, 11397, 11398 - Tanga region: **SMF**: 79602, 79603, 79604, 83510, 85515, 91243, 93343, 93368 - Uluguru mountains (07 10 S 37 40 E): **MCZ**: 20637, 20638 - Usambara mountains (044500S 383000E): **MNHN**: ZM-MO-1895-396, ZM-MO-1895-397, ZM-MO-1897-1514, ZM-MO-1897-1515, ZM-MO-1897-1516, ZM-MO-1897-1517 - Zanzibar (06 10 S 39 20 E): **USNM**: 174680 - Zanzibar Town, 36 mi [= 58 km] S (0625S 3930E): **ROM**: 59840, 59841, 59844, 59846, 59848, 59849, 59850, 59851, 59852, 59853, 59854, 59855, 59856, 59857, 59858, 59859, 59860, 59861.

The Gambia:

Unknown locality: **BMNH**: 1949.471, 1949.472, 1949.473, 1949.474.

Togo:

Agou (06 53 00 N 00 44 00 E, 488 m): **USNM**: 479276, 479277, 479278, 479280, 479281, 479282, 479283, 479285, 479286, 479287 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-1058 - Tététou (07 01 00 N 01 30 00 E, 105 m): **RMCA**: 73.011-M-0375, 73.011-M-0376, 73.011-M-0645.

Uganda:

Unknown locality: **BMNH**: 1932.12.19.2; **SMF**: 16902, 16903 - Budongo Forest (0146N 3133E): **ROM**: 46507, 46645 - Budongo Forest (0146N 3133E, 1219 m): **ROM**: 46644, 46648, 46649, 46650, 46651, 46652, 49120 - Budongo Forest (0146N 3133E, 1372 m): **ROM**: 40154, 46480, 46499, 46500, 46501, 46502, 46503, 46504, 46505, 46506, 46508, 46509, 46510, 46513, 46521, 46522, 46523, 46524, 46525, 46526, 46527, 46528, 46529, 46530, 46531, 46532, 46533, 46534, 46535, 46536, 46537, 46538, 46539, 46540, 46541, 46542, 46543, 46601, 46602, 46603 - E.A.T.R.O. Field Station (0012N 3354E): **CAS**: 24673, 24674 - Enkombe Sawmill (0017S 3007E, 1480 m): **FMNH**: 182120, 182121,

182122, 182123, 182124, 182125, 182126 - Entebbe, near (000352N 322649E, 1158 m): **FMNH**: 67925 - Kawanda, Agriculture Research Station (002229N 323211E, 1193 m): **CAS**: 24675, 24676, 24677, 24678, 24679, 24680, 24681, 24682 - Kisoro (01 21 14 S 2 41 54 E, 1829 m): **SMF**: 49490 - Lugala (001119N 335316E, 1137 m): **ROM**: 63361 - Maramagambo Forest (003300S 295300E): **AMNH**: 269641, 269727, 269728, 269762, 269763, 269764, 269765, 269766, 269767, 269768, 269769, 269770, 269771, 269772, 269773, 269807 - Sonsor river (0146N 3133E, 1219 m): **ROM**: 46627, 46628, 46629, 46630 - Sukuli Hills (0040N 3410E): **CAS**: 24664, 24665, 24666, 24667, 24668, 24669, 24670, 24671, 24672; **ROM**: 60057, 60058, 60059, 60060, 60061, 60063, 60064, 60065, 60066, 60067, 60068, 60069, 60070, 60112, 60113, 60116, 60117, 60118, 60119, 63416, 63417, 63418, 63419, 63420, 63421, 63422, 63423 - Tororo, 10 km SSW (0036N 3409E): **ROM**: 60071 - Waisoke river (0146N 3133E, 1219 m): **ROM**: 46575.

Zambia:

Unknown locality: **BMNH**: 1866.4.20.38, 1866.4.20.39, 1937.12.8.3, 1937.12.8.4, 1937.12.8.5, 1937.12.8.6, 1937.12.8.8, 1946.520, 1946.521, 1946.523, 1951.637, 1955.1068, 1959.356, 1959.357, 1966.697, 1966.698, 1966.699, 1968.1004, 1968.1005, 1968.1006, 1968.1007, 1968.1008, 1968.1009, 1968.1397, 1968.1398, 1974.527_01, 1974.527_02, 1974.527_03, 1974.527_04, 1974.527_05, 1974.527_06, 1974.527_07, 1974.527_08, 1974.527_09, 1974.527_10, 1974.527_11, 1974.527_12, 1974.527_13, 1975.2136; **QM**: JM6255, JM6351 - Chikwa, Lundazi (11.67S 32.78E): **NHMZ**: 11545, 33390 - Chilanga (15 33 00 S 28 17 00 E, 1220 m): **NHMZ**: 12262; **RMCA**: 29245 - Farm Xanadu (1525S 2816E): **TM**: 41877 - Fort Jameson [= Chlpata] (13.62S 32.65E): **KM**: 1841 - Kafue Gorge (15 52 S 28 30 00 E): **NHMZ**: 10080 - Kafue National Park (143000S 261000E): **AMNH**: 218897 - Kapongo cave (1546S 2821E): **CAS**: 15106 - Karabe, Lake Tanganylka (08.62S 30.62E): **NHMZ**: 11766 - Kasama (10.22S 31.17E): **KM**: 9650 - Kasanka National Park (12 35 12 S 30 13 30 E): **NHMZ**: 8195 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33331, 33332, 33333, 33335, 33336, 33337, 33338, 33339, 33340, 33341, 33342, 33343, 33344, 33345, 33346, 33398, 33401, 33418, 33420, 33421, 33439, 33440, 33441, 33444, 33445, 33446, 33449, 33450, 33455, 33456, 33463, 33750, 33751, 33752, 33753, 33754, 33769, 33770, 33771, 33772, 33778, 33779, 33781, 33782, 33796, 33797, 33805, 33806, 33807, 33808, 33809, 33810, 33811, 33822, 33823, 33824, 33825, 33834, 33835, 33836, 33837, 33838, 33845, 33846, 33847, 33848, 33849, 33850, 33862, 33865, 33870, 33871, 33892, 33903, 33904, 33905, 33923, 33924, 33925, 33970, 33972, 34019, 34020, 34021, 34022, 34023, 34024, 34025, 34026, 34027, 34028, 34029, 34034, 34035, 34036, 34037, 34038, 34039, 34040, 34041, 34042, 34043, 34044, 34045, 34046, 34047, 34048, 34049, 34070, 34071 - Luangwa NP, Nsefu (12.87S 32.12E): **NHMZ**: 1153 - Luangwa Valley (12.75S 32.08E): **ROM**: 65060, 65061, 65062, 65063, 65064, 65065, 65066, 65067, 65068, 65069 - Luanshya (1304S 2824E, 1228 m): **MVZ**: 118009, 118010, 118011, 118012, 118013, 118014, 118015, 118016, 118017, 118018, 118019, 118606, 118607, 118608, 118609, 118610, 118611, 118612, 118613, 118614, 118615, 118616, 118617 - Luanshya (130800S 282400E, 1228 m): **AMNH**: 168156, 168157, 168158 - Lunga Game Reserve (12 45 00 S 24 45 00 E): **KU**: 151339 - Mfuwe (1305S 3147E): **MSU**: MR.14297, MR.14298, MR.14299, MR.14300, MR.14301, MR.14302, MR.14303, MR.14304, MR.14305, MR.14306, MR.14307, MR.14308, MR.14309, MR.14310, MR.14311, MR.14312, MR.14313, MR.14314, MR.14315, MR.14316, MR.14317, MR.14318, MR.14319, MR.14320, MR.14321, MR.14322, MR.14323, MR.14324, MR.14325, MR.15309, MR.15310, MR.15311, MR.15312, MR.15313 - Missale Old Mine (14.12S 32.87E): **NHMZ**: 63499 - Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33501, 33502, 33598 - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (ca. 15 19 S 28 19 E): **MSB**: 32659, 32660, 32661, 33503, 33504, 33505, 33506, 33507, 33517, 33557, 33558, 33559, 33560, 33561 - Ngwerere cave (15 19 S 28 19 E, 1280 m): **AMS**: M.9950; **CAS**: 16170; **HNHM**: 76.159.1, 76.159.2; **HZM**: 222.11490; **MSB**: 34626; **NMZL**: 3451, 3452, 3453, 3454, 3455, 3456; **ROM**: 73968; **SMF**: 47484; **TTU**: 18334 - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33562, 33563, 33591, 33592, 33594, 33595, 33596, 33599, 33600, 33601, 33602, 33603, 33624, 33625, 33631, 33632, 33633, 33634, 33664, 33665, 33666, 33667, 33668, 33669, 33702, 33703, 33704, 33705, 33706, 33707, 33710, 33711, 33714, 33715, 33726, 33727, 33728, 33729, 33730, 33740, 33741, 33744, 33745, 33748 - Nkambwa Hill (13.37S 32.62E): **NHMZ**: 64838 - Sakeji School (11.12S 24.37E): **NHMZ**: 29837 - Sasare Old Mine, Petauke (13.92S 31.37E): **NHMZ**: 63518 - Serenje (13.38S 30.13E): **KM**: 9654 - Sumbu: **NMZL**: 2955 - Tembwe Village (11 21 41 S 32 53 16 E, 1020 m): **NHMZ**: 11567 - Zambezi Rapids Ikelenge (11.13S 24.2E): **NHMZ**: 29841 - Zambezi River plains (13 33 S 23 07 E): **MNHN**: ZM-MO-1894-21.

Zimbabwe:

Unknown locality: **BMNH**: 1947.1407, 1949.440, 1957.351 - Angwa River: **MNHN**: ZM-MO-1990-926 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 58541, 63510, 63511, 63512, 63513, 63514, 63515, 63516 - Bulawayo Swamps (ca. 2005S 2830E): **USNM**: 154586 - Chete Safari Area, Eastern Section (1722S 2737E): **NHMZ**: 57423, 57424 - Chikwarakwara Irrigation Scheme (2218S 3106E): **NHMZ**: 84174, 84181, 84227 - Chimanda CL (1638S 3215E): **NHMZ**: 58550, 58551 - Chiredzi, 24 km E (19.0S 32.5E): **NHMZ**: 88622 - Chiredzi, 24 km E (2103S 3146E): **NHMZ**: 58622, 58700 - Chirisa Cave (1737S 2822E): **NHMZ**: 64777, 64778, 64779, 64780 - Chirisa Cave (1741S 2823E): **TM**: 34927, 34928, 34929, 34930, 34931, 34932, 34933, 34934, 34935, 34936, 34937, 34938, 34939, 34940, 34941, 34942, 34943, 34944, 34945, 34946 - Chizarira NP, Manzituba (17.5S 27.75E): **NHMZ**: 58526 - Chizarira-NP, Baruri Gorge (1727Db): **NHMZ**: 58521, 58522 - Chizarira-NP, Manzituba (1727Db): **NHMZ**: 51519, 51520, 58518 - Chizarira-NP, Mchesu River (1727Da): **NHMZ**: 64776 - Cotswold farm (1829Dd): **NHMZ**: 30563 - Dahlia, 5 mi [= 8 km] W (1835S 2708E, 914 m): **FMNH**: 152622, 152623 - Dawn Hill Mine: **NHMZ**: 7368 - Dumbu Pan (16 52 S 28 22 E): **NHMZ**: 61970, 61971, 61972 - Eirene farm (18 23 S 31 37 E): **NHMZ**: 58705 - Falcon College, Bushtick Mine (2013S 2855E): **NHMZ**: 32151, 32152, 32153, 32154, 32155, 32156, 32157, 32158, 32159, 32160, 32205, 32206, 32207, 32208, 32209, 32210, 32211, 32212, 32213, 32214, 32215, 32216, 32217, 32218, 32219, 32220, 32221, 32222, 32253, 32266, 32267, 32268, 32269, 32270, 32271, 32272, 32273, 32274, 32275, 32276, 32277, 32326, 32327, 32328, 32329, 32330, 32331, 32332, 32333, 32334, 32363, 32364, 32365, 32366, 32367, 32368, 32369, 32388, 32389, 32390, 32391, 32392, 32672, 32673, 32674, 32877, 32878, 32879, 32880, 32881, 32882, 32883, 32884, 33295, 33296, 33297, 33298, 33428, 56298, 56299, 56300, 56301, 56302, 56305, 56525, 58540, 58602, 58603, 58604, 80907, 80908, 80909, 80910, 80911, 80912, 80913 - Fort Rixon (2007S 2922E): **NHMZ**: 59411, 59412, 59413, 59414, 59415, 59416 - Frog Mine (1752S 2952E): **NHMZ**: 58535, 58598, 58599, 58600, 58670, 58671, 58672 - Gatshe Gatshe Bay (1652S 2852E): **NHMZ**: 30698, 31334, 31335, 31336, 31337 - GonareZhou-NP, Guluene Corridor South (2152S 3152E): **NHMZ**: 58562, 58563, 58564, 58565, 58566, 58567, 58568, 58569, 58570, 58605, 58606, 58607, 58608, 58609, 58610, 58611, 58612, 58613, 58614, 58615, 58616, 58617, 58618 - GonareZhou-NP, Mabalauta Camp (2156S 3128E): **NHMZ**: 58576 - Great Zimbabwe (2016S 3056E): **NHMZ**: 58527, 58528, 58543, 58544, 58593, 58640, 58641, 58642, 58643, 58644, 58645, 58646, 58647, 58648, 58649, 58650, 58651, 58652, 58653, 58654, 58655, 58656, 58657, 58658, 58659, 58660, 58661, 58662, 58663, 58664, 58665, 58666, 58667, 58668, 58669 - Great Zimbabwe, Garden Cave (2027S 3049E): **ROM**: 64947, 64948, 64956, 64958, 64959 - Gwai Bridge, 6 km W on falls road (1837S 2706E): **TM**: 34979, 34980, 34981, 34982 - Gwayi River, 1 km N (1837S 2710E): **NHMZ**: 30083 - Happy Valley Farm (2019S 2843E): **ROM**: 64624, 64625, 64626, 64627, 64628, 64629, 64630, 64631,

64632, 64633, 64634, 64635, 64636, 64637, 64638, 64639, 64640, 64641, 64642, 64643, 64644, 64645, 64646, 64668, 64669, 64670, 64671 - Harare, 19 km NW: **NHMZ**: 58549 - Harare, Christon Bank: **NHMZ**: 58620 - Harare, Cranborne (1731Ca): **NHMZ**: 58556 - Hoya River Camp (1627S 3129E): **NHMZ**: 84378, 84379 - Hwange-NP, Main Camp (1826DB): **NHMZ**: 58531 - Hwange-NP, Ngamo Pan (1908S 2728E): **NHMZ**: 58548 - Ingwe Mine (2037S 2922E): **NHMZ**: 12709, 12712, 12714, 12715, 12733 - Kanyemba (1540S 3025E): **NHMZ**: 58534 - Kariba (1631S 2847E): **NHMZ**: 58702, 62078 - Kariba, island in (1628Cd): **NHMZ**: 82362 - Kariba, lake (1652S 2822E): **NHMZ**: 58703 - Kariba, lake (1707S 2752E): **NHMZ**: 58704 - Karna Block Ranch: **NHMZ**: 31338 - Katombora Rapids (1725Cc): **NHMZ**: 80264, 80265, 80266, 80267, 80268, 80269, 80270, 80271, 80272, 80273, 80274, 80275, 80276, 80277, 80278, 80279, 80280, 80281, 80282, 80283, 80284, 80285, 80286, 80287, 80288, 80289, 80290, 80291, 80292, 80293 - Kaukua Cave (1701.9S 3005.2E): **NHMZ**: 31142 - Lake Kariba Heights (16.52S 28.78E): **NHMZ**: 9565 - Lusulu Tsetse Station (1807S 2752E): **NHMZ**: 57610, 57611, 57612, 57613 - Mabura 2 Cave (1807S 2922E): **NHMZ**: 30657 - Malapati Game Reserve (2156S 3124E): **ROM**: 70871 - Malapati Nuanetsi River (2204S 3126E): **NHMZ**: 58590 - Malilangwe Conservancy [=Lone Star Ranch]: **NHMZ**: 31586, 31670, 31671 - Mana Pools-NP, Nyamepi Camp (1543S 2922E): **NHMZ**: 58578 - Marondera (1807S 3137E): **NHMZ**: 58557 - Mashonaland West province: **SMF**: 86765 - Masvingo, 160 km NE: **NHMZ**: 6930 - Matusadona National Park (16 52 30 S 28 37 30 E): **DNSM**: 1102 - Mount Selinda (20.45S 32.67E): **USNM**: 425288 - Msitive and Mtoroshanga rivers, confluence (1630Dc): **NHMZ**: 58555 - Munyati (1839S 2946E): **NHMZ**: 58552 - Munyati, Rhino [=Chimsoro] Cave: **NHMZ**: 29779, 29780, 29781, 29782 - Mushandike-NP, Matema Camp (2007S 3037E): **NHMZ**: 58591, 58592, 58594 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **DNSM**: 4601, 4602, 4603, 4604, 4605, 4606, 4607, 4608, 4609, 4610, 4611, 4612, 4613, 4614, 4615; **NHMZ**: 19884, 58545, 58558, 58572, 58579; **ROM**: 64779, 64780, 64781, 64782, 64783, 64804, 64805, 64806, 64807, 6482, 64824, 64835 - Mutare Asbestos Mine (18 58 29 S 32 39 20 E): **NHMZ**: 33401, 33402, 33403, 33404, 33405, 33406, 58532, 58537, 58538, 58539, 58547, 58623, 58624, 58625, 58626, 58627, 58628, 58629, 58630, 58631, 58632, 58633, 58634, 58635, 58636, 58637, 58638, 58639, 58678, 58679 - Mutare,15 km W (18 55 47 S 32 32 38 E): **NHMZ**: 58571, 58581, 58582, 58583, 58584, 58585, 58586, 58587, 58588, 58589 - Muzvezve Communal Land: **NHMZ**: 30564, 30565, 30566, 30567 - Mvurwi (1646S 3057E): **NHMZ**: 57751 - Nyashato Dam (1707S 3207E): **NHMZ**: 32592, 32593, 32594 - Nyazura (1843S 3210E): **NHMZ**: 58529 - Old Mine Adit [=Umtali Old mine] (18 58 29 S 32 39 20 E, 1094 m): **TM**: 34686, 34687, 34688, 34689, 34690, 34691, 34692, 34693, 34694, 34695, 34696, 34697, 34698, 34699, 34802, 34803, 34804, 34805, 34806 - Peak Mine (2029Db): **NHMZ**: 6917 - Penhalonga (1852S 3237E): **NHMZ**: 58573 - Penhalonga (1853S 3242E): **NHMZ**: 58536 - Redrups Kop Mine: **NHMZ**: 9936, 9937 - Rupisi Hot Spring (19 19 S 32 29 E): **NHMZ**: 58546, 58554 - Sanyati West Camp (16 52 30 S 28 37 30 E): **NHMZ**: 57208 - Save Valley (2007S 3222E): **NHMZ**: 58560, 58561 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 55937, 58553, 58673, 58674, 63531, 64781, 64782, 64783; **ROM**: 83962, 83965, 83970, 83974, 83975, 83976, 84010, 87416, 87417, 87418, 87419, 87422, 87423, 87424, 87425, 87432, 87433, 87434, 87435, 88407, 88408, 88409, 88410, 88416, 88419, 88421, 88423, 88424 - Sentinal Ranch (221010S 293020E): **TM**: 41438 - Sentinel Ranch (22 10 10 S 29 30 20 E): **DNSM**: 76; **NHMZ**: 29919, 29931, 29932, 29933, 29934, 29935, 29936, 29937, 29938, 29939, 29940, 29941, 29942, 29943, 29944, 29945, 29970, 30209, 30671, 30795, 30796, 30797, 30798, 30799, 30800, 30801, 30802, 30803, 30804, 31656, 31657, 83895, 83896 - Sentinel Ranch, Limpopo River (22 15 S 31 20 E): **DNSM**: 63, 64, 65, 66, 67, 68, 70, 71, 74 - Shamva, 48 km NE: **NHMZ**: 57191, 57210 - Shurugwi (1937S 3007E): **NHMZ**: 31806, 31808, 31809, 31811, 31842 - Singereri Hills (1737S 3107E): **NHMZ**: 30524, 30525, 30526, 30527, 30528, 30529; **ROM**: 64457 - Tanganda Bridge: **NHMZ**: 58530 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 58559, 58619 - Tsungwesi Guano Cave (19 07 S 32 07 E): **NHMZ**: 30509, 30510, 30511, 30512, 30513, 30514, 30515, 30516, 30517, 33384, 33385, 33386, 33387, 33388 - Tuli Camp (2154S 2913E): **NHMZ**: 32830, 56250, 56251, 56252, 56253, 56254, 56255, 56256, 56257, 56258, 56259, 56260, 56261, 56262, 56263, 56264, 56265, 56266, 56267, 56268, 56269, 56273, 56274, 56275, 56276, 56277 - Umtali mine adit (18 58 29 S 32 39 20 E, 1094 m): **DNSM**: 3684 - Umtali, 3 mi from, on Uumbra road (ca. 1907S 3246E): **USNM**: 368609 - Victoria Falls (17 55 00 S 25 51 00 E): **MCZ**: 21658; **NHMZ**: 29675, 29676, 29677, 29678, 29679, 29680 - Wallaby Claims (2029Cb): **NHMZ**: 5498 - Wildwood Sanctuary (ca. 1905S 3245E): **NHMZ**: 58533 - Willow Park (2028Bd): **NHMZ**: 32355, 55633, 55634, 80145, 80146, 80147, 80148, 80149 - Zimbabwe National Park (201800S 305700E): **ROM**: 70862, 70863, 70864, 70865, 70866, 70867, 70868, 70869, 70870.

Hipposideros camerunensis Eisentraut, 1956

Cameroon:

Unknown locality: **BMNH**: 1960.173 - Buéa (04 09 34 N 09 14 12 E, 895 - 1850 m): **ZFMK**: 1979.0138 (Paratype *Hipposideros camerunensis*) - Buea (040934N 091412E, 1000 m): **SMNS**: 5194 (Holotype *Hipposideros camerunensis*), 5195 (Paratype *Hipposideros camerunensis*), 5197 (Paratype *Hipposideros camerunensis*) - Ébam, 15 km SE (ca. 0345N 1258E): **AMNH**: 236304 - Meyo Nkoulou (02 16 00 N 11 02 00 E): **RMCA**: 73.018-M-0094, 73.018-M-0095, 73.018-M-0096, 73.018-M-0097, 73.018-M-0098, 73.018-M-0099, 73.018-M-0100, 73.018-M-0192 - Sud-Ouest region: **SMF**: 42328, 42329.

Congo (Democratic Republic of the):

Shabunda (024200S 272000E, 596 m): **BMNH**: 1963.1166.

Hipposideros cf. centralis Andersen, 1906

Ethiopia:

Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189529, S-189530, S-189531, S-189532 - Bermil (12 23 N 35 44 E, 562 m): **ZMMU**: S-189533 - Grara (12 21 N 35 44 E, 560 m): **ZMMU**: S-189534, S-189535, S-189536, S-189537.

Hipposideros curtus G.M. Allen, 1921

"Africa":

Niary or Niasy cave: **MNHN**: ZM-MO-1985-1372, ZM-MO-1985-1373.

Cameroon:

Unknown locality: **BMNH**: 1948.667, 1962.829, 1989.11 - Ayos Road, Mvoutesi II [= MVE II] (0315N 1148E): **ROM**: 54916, 54917, 54918, 54919, 54920, 54921 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 37806, 37807, 37808, 37810, 37812, 37815, 37816, 37817, 37818, 37819, 37820, 37821, 37834, 37837, 37839, 37840, 37841; **USNM**: 511924 - Lake Barombi, west side (0439N 0925E): **ROM**: 55763 - Olounou (02 49 00 N 12 08 00 E, 658 m): **RMCA**: 73.016-M-

0306 - Sakbayeme (0402N 1034E): **MCZ**: 19305 (Holotype *Hipposideros curtus*) - Yoko, 34 km S (0531N 1218E): **ROM**: 56102, 56103.

Hipposideros fuliginosus (Temminck, 1853)

Cameroon:
Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 55575, 55576, 67698 - Dijgan: **MNHN**: ZM-MO-2000-448, ZM-MO-2000-449 - Kumba, 19 km S (0438N 0925E): **USNM**: 511926 - Mamfe, 12 km SE (ca. 05 47 N 09 18 E): **AMNH**: 241043 - Mungo Anchoncho [Moungo river?] (0403N 0933E): **ZMB**: 5033, 8389 - Sakbayeme (0402N 1034E): **FMNH**: 48942; **MCZ**: 19388, 19389, 19390, 19391, 19393.
Central African Republic:
La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1985-384, ZM-MO-1985-784.
Congo (Democratic Republic of the):
Epulu (012345N 283440E, 750 m): **KU**: 151336, 151337, 151338 - Equateur (former) province: **SMF**: 84411 - Irumu, 40 mi [=64 km] SW (01 00 00 N 29 16 00 E): **BMNH**: 1930.11.11.143, 1930.11.11.144 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537713.
Côte d'Ivoire:
Unknown locality: **SMF**: 84392, 91882, 91883, 91884, 91885, 91886, 91887, 91888, 91889 - Toumodi, 5 km SE (ca. 06 33 N 05 01 W): **AMNH**: 239392, 239393, 239394, 239395, 239396.
Ethiopia:
Unknown locality: **SMF**: 45008, 45009, 45010.
Gabon:
Mekouba: **MNHN**: ZM-MO-2000-465.
Ghana:
Unknown locality: **BMNH**: 1946.107, 1978.2818 - Ahiriso (0632N 0220W): **USNM**: 414238 - Boi-Tano FR, reserve boundary line (0532N 0237W): **ZFMK**: 2003.1035 - Butre (0449N 0155W): **USNM**: 414232, 414233, 414234, 414235, 414236, 414237 - Gambaga (10 32 N 00 26 W, 312 m): **USNM**: 424847 - Gold Coast [=Goldküste] (ca. 05 20 N 00 45 W): **ZMB**: 3559, 8391, 8392, 8393 - Kade, 6 mi [=9.7 km] N (06 10 N 00 50 W): **USNM**: 414979 - Kade, 6 mi [=9.7 km] NW (06 09 N 00 54 W): **USNM**: 412088, 412089 - Krokosua Hills Forest Reserve (06 37 N 02 51 W): **ZFMK**: 2003.1042, 2003.1045 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 54713, 54714, 54715, 54716, 54717, 54718, 54719, 54720, 54721, 54722, 54723, 54724; **USNM**: 429519, 429520, 429521, 439942, 439943, 439944, 439946, 439948, 439950, 439951, 439952, 439955, 439956, 439957, 439958, 439959, 439960, 439964, 439965, 439966, 439967, 439969, 439971, 439972, 439973, 439976, 439979, 439981, 439982, 439984, 439985, 439987, 439990, 439992, 439994, 439995, 439997, 439998, 440000 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414974.
Guinea:
Conakry (093033N 134244W, 0 m): **MNHN**: ZM-MO-1897-976, ZM-MO-1897-977, ZM-MO-1897-978, ZM-MO-1897-979, ZM-MO-1897-980 - Keoulenta (07 40 48 N 08 18 36 W, 450 m): **MNHN**: ZM-MO-1985-790 - Mount Nimba? (073700N 082500W): **MNHN**: ZM-MO-1985-785 - Whiskey 1 (08 32 56 N 08 53 57 W, 1175 m): **ZFMK**: 2008.0284.
Liberia:
Unknown locality: **RMNH**: MAM.35975, MAM.35976 - Gabagea River: **AMNH**: 265792, 265801 - Tars Town (0613N 0808W): **USNM**: 481713, 481715, 481716, 481717, 481718, 481721, 481722, 481723, 481724, 481725 - Tchien, 25 km N (ca. 06 05 N 08 07 W): **AMNH**: 239391 - Ziggida, 10.5 km N, 1 km E: **AMNH**: 265764, 265765 - Ziggida, 13 km N, 1 km E (750 m): **AMNH**: 265809, 265810, 265814 - Zozoma (082500N 094700W): **AMNH**: 257050.
São Tomé and Principé:
Santo Amaro (00 22 N 06 42 E, 152 m): **MNHN**: ZM-MO-1901-78.
Senegal:
Unknown locality: **MNHN**: ZM-MO-1920-235.
Sierra Leone:
Outamba-Kilimi-NP (0945N 1210W): **USNM**: 547012 - Panguma, 10 mi N (0817N 1106W): **USNM**: 463163.
Tanzania:
Tabora (05 01 00 S 32 48 00 E, 1212 m): **ZMB**: 67697.

Hipposideros jonesi Hayman, 1947

Benin:
Awaya (07 45 N 02 15 E): **NMP**: 91842.
Burkina Faso:
Arly (11 35 N 01 28 E, 226 m): **USNM**: 450716 - Bougouriba province: **SMF**: 60989, 60990, 60991, 60992 - Djipologo (1056N 0307W): **USNM**: 468150, 468151, 468152, 468153, 468154, 468155 - Orodara, 27 km ENE (1104N 0441W): **USNM**: 468129, 468130, 468131, 468132, 468133, 468134, 468135, 468136, 468137, 468138, 468139, 468140, 468141, 468142, 468143, 468144, 468145, 468146, 468147, 468148, 468149, 479427, 479428, 479429, 479430, 479431, 479432, 479433, 479434, 479435, 479436.
Cameroon:
Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0241 - Touroua (09 05 00 N 12 58 00 E, 202 m): **RMCA**: 76.014-M-0022.
Côte d'Ivoire:
Unknown locality: **FMNH**: 58917 - Madinani mountains, E of (ca. 0937N 0657W): **FMNH**: 105192, 105193, 105194, 105195, 105196, 105330.
Ghana:
Unknown locality: **BMNH**: 1963.1598, 1963.1599, 1963.1600, 1963.1601, 1963.1602, 1963.1603, 1963.1605, 1963.1610, 1963.1613, 1963.1617, 1963.1622, 1963.1628, 1963.1631, 1963.1632, 1963.1640, 1965.482, 1965.483, 1965.484, 1965.485, 1965.694, 1965.695, 1965.696, 1966.6243, 1966.6244, 1966.6245 - Akim Oda, near (ca. 05 55 N 01 00 W): **AMNH**: 233903, 233904, 233905, 233906, 233907 - Bogoso Mines (05 34 N 02 01 W): **ROM**: 62021 - Kumasi area (ca. 06 40 N 01 36 W): **ROM**: 62337 - Kuuni, 48 km (06 39 N 01 51 W, 226 m): **ROM**: 52011, 52012, 52013, 52014, 52015, 52027 - Mapon (07 04 N 01 24 W, 385 m): **ROM**: 51647 - Mpesetia (06 39 N 01 51 W, 226 m): **ROM**: 49091,

49092, 49093, 49096 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 411885, 411886, 411887, 411888, 411889, 411890, 411891 - Oboasi (06 15 N 01 36 W): **ROM**: 62343.

Guinea:

Unknown locality: **SMF**: 43665, 43666, 43667 - Foutadjalon Mt, Kallendu,cave (112555N 123538W): **HNHM**: 88.121.1 - Oueleba (08 35 38 N 08 53 47 W, 1029 m): **ZFMK**: 2008.0285 - Whiskey 1 (08 32 56 N 08 53 57 W, 1175 m): **ZFMK**: 2008.0286, 2008.0287.

Liberia:

Ziggida, 13 km N, 1 km E: **AMNH**: 265749.

Mali:

Mandingues mountains Reserve (ca. 12 30 32 N 08 39 20 W): **MNHN**: ZM-2004-952.

Nigeria:

Idere (0729N 0315E, 151 m): **USNM**: 402771 - Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 83989, 83990, 84055, 84056-a, 84057, 84058, 84059.

Senegal:

Daudi Cave (1221N 1219W): **IVB**: S853 - Niokolo Koba NP, Dindefelo (1221N 1219W): **IVB**: S804, S854.

Sierra Leone:

Unknown locality: **BMNH**: 1947.627, 1950.1903, 1953.60, 1953.61, 1956.28, 1956.29, 1962.1831, 1967.628 - Makeni (0857N 1202W): **BMNH**: 1947.629 (Holotype *Hipposideros jonesi*).

Hipposideros lamottei Brosset, 1985

Guinea:

Unknown locality: **MNHN**: coll. NIMI108, coll. NIMI123 - Mt. Nimba (0741N 0822W): **MHNG**: |TS480|, 1626.036, 1626.037, 1626.038; **MNHN**: ZM-MO-1984-487 (Holotype *Hipposideros lamottei*), ZM-MO-1984-488 (Paratype *Hipposideros lamottei*), ZM-MO-1984-489 (Paratype *Hipposideros lamottei*).

Liberia:

Kluga Mountains (0825N 0945W): **AMNH**: 257048 - Mount Coffee (06 29 19 N 10 38 47 W): **USNM**: 83799 - Zozoma (082500N 094700W): **AMNH**: 257047.

Hipposideros marisae Aellen, 1954

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-3294, 97.077-M-3299.

Guinea:

Sérédou (08 22 56 N 09 17 59 W): **MNHN**: ZM-MO-1970-476.

Liberia:

Unknown locality: **BMNH**: 1979.500; **DNSM**: 12607 - Ziggida, 13 km N, 1 km E: **AMNH**: 265750.

Hipposideros megalotis (Heuglin, 1861)

Eritrea:

Keren (154640N 382729E, 1590 m): **SMNS**: 984.

Ethiopia:

Unknown locality: **BMNH**: 1959.488, 1960.335, 1960.336, 1960.337.

Kenya:

Unknown locality: **BMNH**: 1952.1449, 1952.1450 - Kampi Ya Samaki (003600N 360100E, 914 m): **ROM**: 68112 - Kedong Valley (011000S 363000E, 6000 ft): **MNHN**: ZM-MO-1911-1023 - Kit Rawlins Farm (0017S 3604E): **USNM**: 350969 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **WAM**: M16563 - Nakuru (00 17 00 S 36 04 00 E, 1952 m): **AMNH**: 219738; **CAS**: 11947; **ROM**: 65867, 65868, 65869, 77867, 83928 - Nakuru, 4 mi [= 6.4 km] E (0017S 3607E): **FMNH**: 152635 - Nakuru, near (0017S 3604E, 1981 m): **FMNH**: 77486 - Njoro, 3 mi [= 4.8 km] W (0020S 3554E, 2225 m): **ROM**: 75629 - Rift Valley [former] province: **SMF**: 39442, 47960 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **USNM**: 375923.

Hipposideros ruber (Noack, 1893)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1985-1191, ZM-MO-1985-378, ZM-MO-1985-657, ZM-MO-1985-657 A; **SMF**: 16904, 16905 - Congo: **BMNH**: 1891.2.11.1, 1898.5.4.17 - Epoulan: **MNHN**: ZM-MO-1952-489, ZM-MO-1952-490.

Angola:

Unknown locality: **BMNH**: 1901.8.27.2, 1905.5.9.4 - Dundo (0724S 2047E): **FMNH**: 66502 - Dundo (0724S 2047E, 726m): **FMNH**: 66481, 66482, 66483, 66484, 66485, 66486, 66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499, 66500, 66501 - Jau (1513S 1331E, 1660 m): **IICA**: 364 - Sá da Bandeira (145500S 133000E, 1718 m): **IICA**: 350; **RMCA**: 34459, 34460 - Salazar [= N'Dalatando], Agronomic Station (09.38S 14.88E): **IICA**: 7989 - Tchivinguiro (15.13S 13.38E): **IICA**: 74 - Vila Arriaga (14.63S 13.38E): **SMW**: 5499.

Benin:

Awaya (07 45 N 02 15 E): **NMP**: 91848, 91849 - Parakou and Malanville, road between: **ZMA**: MAM.22447 - Tagayé (1015N 0116E): **NMP**: 91879.

Burkina Faso:

Unknown locality: **SMF**: 60971, 60972, 60973, 60974, 60975, 60976, 60977, 60978, 60979, 60980, 60981, 60982, 60983, 60984 - Arly (11 35 N 01 28 E, 226 m): **USNM**: 450703, 450708, 450709, 450712, 450714, 450715 - Arly National Park (11 34 N 01 26 E, 225 m): **ROM**: 79845 - Barga, 9 km NE (13 51 N 02 12 W): **USNM**: 452870 - Bougouriba province: **SMF**: 60986 - Diebougou (10 57 N 03 15 W, 984 ft): **SMF**: 60985 - Djipologo (1056N 0307W): **USNM**: 468113, 468114, 468115, 468116, 468117, 468118, 468119, 468120, 468121 - Goden (12 12 00 N 02 04 00 W, 308 m): **USNM**: 450705, 450706, 450707 - Konankira (1254N 0353W): **USNM**: 454634, 454635, 454636, 454637, 454638, 454640, 454641, 454642, 454643, 454644, 454645, 454646, 454647, 454648, 454649, 454650, 454651, 454652, 454653 - Orodara, 27

km ENE (1104N 0441W): **USNM**: 468108, 468109, 468110, 468111, 468112 - Ougarou (1210N 0056W): **USNM**: 452873 - Seguenega, 6 km SE (1324N 0155W): **USNM**: 452872.

Burundi:

Bujumbura (03 23 00 S 29 22 00 E, 794 m): **RMCA**: 35154 - Mpinga cave (03 44 10 S 30 10 40 E, 1930 m): **MHNG**: 1896.011 - Mumushwizi Valley (0355S 2935E, 1880 m): **FMNH**: 155973 - Nyanza Lac, 10 km N (ca. 04 20 08 S 29 35 43 E): **SMF**: 57576, 57577, 57578 - Rubindi (04 15 37 S 29 34 31 E, 997 m): **RMCA**: 28455, 28456, 28457, 28458 - Rubindi cave (04 15 37 S 29 34 31 E, 997 m): **MHNG**: 1895.091, 1895.092, 1895.093, 1895.094, 1895.095, 1895.096, 1895.097, 1895.098, 1895.099, 1895.100, 1896.001, 1896.002, 1896.003, 1896.004, 1896.005, 1896.006, 1896.007, 1896.008, 1896.009, 1896.010 - Teza, 2.3 km N, 0.7 km W (031257S 293349E, 2400 m): **FMNH**: 137627, 137628.

Cameroon:

Unknown locality: **BMNH**: 1862.12.2.1, 1936.10.30.3, 1936.10.30.4, 1936.10.30.5, 1948.673, 1948.675, 1948.676, 1948.679, 1948.687, 1948.698, 1954.720, 1954.721, 1954.722, 1954.723, 1961.1298, 1968.899, 1994.460; **MNHN**: ZM-MO-1985-824; **RMCA**: 76.014-M-0075, 76.014-M-0076, 76.014-M-0077 - Bertoua, 30 km W (0435N 1325E): **AMNH**: 241032, 241033, 241034, 241035, 241036, 241104, 241105, 241106, 241107, 241108 - Bipindi (0305N 1025E, 184 m): **AMNH**: 89564 - Bitye (03 01 00 N 12 22 00 E, 616 m): **RMCA**: 1475, 2640 - Bitye (03 13 N 12 22 E, 2000 ft): **FMNH**: 29483; **MCZ**: 7076 - Buéa (04 09 34 N 09 14 12 E, 1850 m): **FMNH**: 42608 - Buéa (04 09 34 N 09 14 12 E, 914 m): **FMNH**: 42603, 42604, 42605, 42606, 42607, 42609 - Buea (0409N 0913E, 1850 m): **USNM**: 260156 - Campo (02 22 00 N 09 49 00 E, 0 m): **RMCA**: 75.056-M-0153 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **AMNH**: 54435, 54436, 54437; **FMNH**: 74234, 74235; **MCZ**: 14807, 14808, 14809, 14810, 14811, 14812, 14813 - Efulén (02 47 00 N 10 32 00 E, 421 m): **RMCA**: 2626; **USNM**: 125440 - Efulén (02 47 00 N 10 32 00 E, 457-549 m): **NMV**: C1290 - Eséka (0340N 1045E): **AMNH**: 238282 - Eséka, 15 km W (ca. 0340N 1045E): **AMNH**: 236299, 236300, 236301, 236302, 236303 - Fenda (02 48 00 N 10 24 00 E): **SMF**: 6365, 6366, 6367, 6368 - Khmba [=? Kumba?] (04 38 38 N 09 26 19 E, 257 m): **MNHN**: ZM-2006-473, ZM-2006-474, ZM-2006-475 - Kounden (05 42 00 N 10 40 00 E, 1326 m): **RMCA**: 76.014-M-0078 - Kribi (0255N 0955E): **MCZ**: 8869 - Kribi (025700N 095500E, 13 m): **MNHN**: ZM-MO-1986-1047 - Kumba, 19 km S (0438N 0925E): **USNM**: 511921, 511922 - Lake Barombi (0439N 0925E): **USNM**: 511920 - Lélo (04 20 N 14 07 E, 610 m): **NMV**: C1352, C1353 - Lomié (03 10 00 N 13 37 00 E, 611 m): **RMCA**: 75.056-M-0104 - Ma'an (02 22 N 10 38 E): **EBD**: MAM 14889, MAM 14890, MAM 14891, MAM 14892, MAM 14893, MAM 14894, MAM 14895, MAM 14896, MAM 14897, MAM 14898 - Mamfe, 12 km SE (ca. 05 47 N 09 18 E): **AMNH**: 241039, 241040, 241041, 241042, 241099, 241100 - Mamfe, 15 km SE (ca. 05 40 N 09 23 E): **AMNH**: 241101 - Mbalmayo, probably near (ca. 03 31 00 N 11 30 00 E): **MCZ**: 14822, 14823, 14824, 14825, 14826, 14827, 14828, 14829, 14830, 14831, 14832, 14833, 14834, 14835, 14836, 14837, 14838 - Metet (0326N 1143E): **FMNH**: 124186; **MCZ**: 14797, 14798, 14799, 14800, 14801, 14802, 14803, 14804, 14805 - Miéri (04 15 00 N 13 59 00 E, 611 m): **RMCA**: 76.014-M-0051, 76.014-M-0052, 76.014-M-0053, 76.014-M-0054, 76.014-M-0055, 76.014-M-0056, 76.014-M-0057, 76.014-M-0058, 76.014-M-0059, 76.014-M-0060, 76.014-M-0061, 76.014-M-0062, 76.014-M-0063, 76.014-M-0064, 76.014-M-0065, 76.014-M-0066, 76.014-M-0067, 76.014-M-0068, 76.014-M-0069, 76.014-M-0070, 76.014-M-0071, 76.014-M-0072, 76.014-M-0073, 76.014-M-0074, 76.014-M-0227 - Mount Cameroon (0413N 0910E, 1768 m): **FMNH**: 42600, 42601, 42602 - Nanga-Eboko, 30 km E (044100N 122200E, 631 m): **AMNH**: 241037, 241102, 241103 - Ngoumé (05 29 00 N 11 24 00 E, 681 m): **RMCA**: 77.032-M-0201, 77.032-M-0202 - Ototomo (03 39 N 11 19 E, 761 m): **MNHN**: ZM-MO-1985-497 - Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0242, 73.017-M-0243 - Sakbayeme (0402N 1034E): **MCZ**: 22331, 22332, 22333 - Tello (07 10 00 N 14 18 00 E, 1426 m): **RMCA**: 75.003-M-0136 - Yaoundé (035200N 113100E, 726 m): **MNHN**: ZM-MO-1983-1015, ZM-MO-1983-1017, ZM-MO-1983-1018, ZM-MO-1983-1019, ZM-MO-1983-1020, ZM-MO-1983-1021, ZM-MO-1983-1022, ZM-MO-1983-1023, ZM-MO-1983-1024, ZM-MO-1983-1025, ZM-MO-1983-1026, ZM-MO-1983-1027 - Yoko, 5 km S (05 28 N 12 20 E): **MNHN**: ZM-MO-1983-1016.

Central African Republic:

Unknown locality: **BMNH**: 1981.1305; **MNHN**: ZM-MO-2001-1955, ZM-MO-2001-1956, ZM-MO-2001-1957, ZM-MO-2001-1958, ZM-MO-2001-1959, ZM-MO-2001-1960 - Bangoran (08 04 51 N 20 20 43 E, 418 m): **MNHN**: ZM-MO-2000-986, ZM-MO-2000-987, ZM-MO-2000-988, ZM-MO-2000-989, ZM-MO-2000-990, ZM-MO-2000-991, ZM-MO-2000-992, ZM-MO-2000-993 - Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1892-1023, ZM-MO-1985-823 - Bangui or Boukoko (ca. 04 06 N 18 12 E): **MNHN**: ZM-MO-1984-2013, ZM-MO-1984-2014, ZM-MO-1984-2015, ZM-MO-1984-2016, ZM-MO-1984-2017, ZM-MO-1984-2018, ZM-MO-1984-2019, ZM-MO-1984-2020, ZM-MO-1984-2021, ZM-MO-1984-2022, ZM-MO-1984-2023, ZM-MO-1984-2024, ZM-MO-1984-2025, ZM-MO-1984-2026, ZM-MO-1984-2027, ZM-MO-1984-2028, ZM-MO-1984-2029, ZM-MO-1984-2030, ZM-MO-1984-2031, ZM-MO-1984-2032, ZM-MO-1984-2033, ZM-MO-1984-2034, ZM-MO-1984-2035, ZM-MO-1984-2036, ZM-MO-1984-2037, ZM-MO-1984-2038 - Bébé cave (ca. 03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1985-1367 - Bolé cave (ca. 03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1985-1172 - Boukoko (035400N 175600E): **MNHN**: ZM-MO-1985-385, ZM-MO-1985-386, ZM-MO-1985-387, ZM-MO-1985-388, ZM-MO-1985-503, ZM-MO-1985-504, ZM-MO-1985-505, ZM-MO-1985-506, ZM-MO-1985-792, ZM-MO-1985-793, ZM-MO-1985-794, ZM-MO-1985-795, ZM-MO-1985-796, ZM-MO-1985-797, ZM-MO-1985-798, ZM-MO-1985-799, ZM-MO-1985-800, ZM-MO-1985-801, ZM-MO-1985-802, ZM-MO-1985-803, ZM-MO-1985-804, ZM-MO-1985-805, ZM-MO-1985-806, ZM-MO-1985-807, ZM-MO-1985-808, ZM-MO-1985-809, ZM-MO-1985-810, ZM-MO-1985-811, ZM-MO-1985-812, ZM-MO-1985-813, ZM-MO-1985-814 - Bozo (05 08 26 N 18 28 44 E): **MNHN**: ZM-MO-1986-374 - Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268385 - Kodou (060100N 202300E): **AMNH**: 54294, 54295, 54296 - Koumbala (Camp) (0729N 2113E, 600 m): **MNHN**: ZM-MO-2000-845, ZM-MO-2000-846, ZM-MO-2000-847, ZM-MO-2000-848, ZM-MO-2000-849, ZM-MO-2000-850, ZM-MO-2000-894, ZM-MO-2000-895, ZM-MO-2000-896, ZM-MO-2000-897, ZM-MO-2000-898, ZM-MO-2000-899, ZM-MO-2000-900, ZM-MO-2000-901, ZM-MO-2000-902, ZM-MO-2000-903, ZM-MO-2000-904, ZM-MO-2000-985 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-243, ZM-MO-1985-331, ZM-MO-1985-332, ZM-MO-1985-333, ZM-MO-1985-334, ZM-MO-1985-335, ZM-MO-1985-336, ZM-MO-1985-337, ZM-MO-1985-338, ZM-MO-1985-339, ZM-MO-1985-340, ZM-MO-1985-348, ZM-MO-1985-349, ZM-MO-1985-350, ZM-MO-1985-351, ZM-MO-1985-352, ZM-MO-1985-353, ZM-MO-1985-354, ZM-MO-1985-355, ZM-MO-1985-356, ZM-MO-1985-357, ZM-MO-1985-358, ZM-MO-1985-359, ZM-MO-1985-360, ZM-MO-1985-361, ZM-MO-1985-362, ZM-MO-1985-363, ZM-MO-1985-364, ZM-MO-1985-365, ZM-MO-1985-366, ZM-MO-1985-367, ZM-MO-1985-368, ZM-MO-1985-369, ZM-MO-1985-370, ZM-MO-1985-371, ZM-MO-1985-372, ZM-MO-1985-373, ZM-MO-1985-374, ZM-MO-1985-375, ZM-MO-1985-376, ZM-MO-1985-377, ZM-MO-1985-377 A, ZM-MO-1985-377 B, ZM-MO-1985-830, ZM-MO-1985-831 - M'Baiki (035300N 180000E, 514 m): **MNHN**: ZM-MO-1985-1368, ZM-MO-1985-1369, ZM-MO-1985-1370, ZM-MO-1985-1371 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-851, ZM-MO-2000-905, ZM-MO-2000-906, ZM-MO-2000-907, ZM-MO-2000-908, ZM-MO-2000-909, ZM-MO-2000-910, ZM-MO-2000-911, ZM-MO-2000-912, ZM-MO-2000-913, ZM-MO-2000-914, ZM-MO-2000-915, ZM-MO-

2000-916, ZM-MO-2000-917, ZM-MO-2000-918, ZM-MO-2000-919, ZM-MO-2000-920, ZM-MO-2000-921, ZM-MO-2000-922, ZM-MO-2000-923, ZM-MO-2000-924, ZM-MO-2000-925, ZM-MO-2000-926, ZM-MO-2000-927.

Congo:

Unknown locality: **RMNH**: MAM.16267, MAM.16268, MAM.16269, MAM.16270, MAM.16271, MAM.16272, MAM.16273, MAM.16274, MAM.16275, MAM.16276, MAM.16277, MAM.16278, MAM.16279, MAM.16280, MAM.16281, MAM.16282, MAM.16283, MAM.16285, MAM.16286, MAM.16287, MAM.16288, MAM.16289, MAM.16290, MAM.16291, MAM.16292, MAM.16293, MAM.16294, MAM.16295, MAM.16296, MAM.16297, MAM.16298, MAM.16299, MAM.16300, MAM.16301, MAM.16302, MAM.16304, MAM.16305, MAM.16306, MAM.16307, MAM.16308, MAM.16309, MAM.16310, MAM.16311, MAM.16312, MAM.16313, MAM.16314, MAM.16315, MAM.16316, MAM.16317, MAM.16318, MAM.16319, MAM.16320, MAM.16321, MAM.16322, MAM.16323, MAM.16324, MAM.16325, MAM.16326, MAM.16327, MAM.16328, MAM.16329, MAM.16330, MAM.16331, MAM.16332, MAM.16335, MAM.16336, MAM.16337, MAM.16338, MAM.16339, MAM.16341, MAM.16371, MAM.16383 - Kango (01 33 37 N 15 37 56 E, 363 m): **AMNH**: 120267 - Kinkala (042141S 144552E, 407 m): **AMNH**: 120305 - Lekoumou, airport road (02 45.724 S 13 34.953 E): **HZM**: 75.40173, 76.40174 - Lekoumou, Lebayi cave (02 42.045 S 13 35.968 E): **HZM**: 77.40175, 78.40176 - Matounidi cave (03 50 50 S 14 53 30 E): **MNHN**: ZM-MO-1985-656 - Meya-Nzouari,cave (03 53 16 S 14 31 19 E): **MNHN**: ZM-MO-1985-1357 - Mouyondzi (035926S 135452E, 383 m): **AMNH**: 120344.

Congo (Democratic Republic of the):

Unknown locality: **BMNH**: 1926.7.6.69, 1930.11.11.105, 1930.11.11.106, 1930.11.11.107, 1930.11.11.108, 1930.11.11.110, 1930.11.11.111, 1930.11.11.112, 1930.11.11.114, 1930.11.11.115, 1930.11.11.116, 1930.11.11.117, 1930.11.11.118, 1930.11.11.119, 1930.11.11.128, 1990.231, 1990.232; **RBINS**: 8204.01, 8204.02, 8204.03, 8204.04, 8204.05, 8204.06, 8204.07, 8204.08, 8204.09, 8204.10; **RMCA**: 27451, 27452, 27453, 27454, 27455, 27456, 27457, 27458, 27459, 32866, 33599, a1.097-M-0554, a1.097-M-0555, a1.097-M-0556, a1.097-M-0557, a1.097-M-0558, a1.097-M-0559, a1.097-M-0560, a1.097-M-0561, a1.097-M-0562, a1.097-M-0563, a1.097-M-0564 - Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 49127, 49172; **RMCA**: 12370 - Abimva (03 09 00 N 29 06 00 E, 1100 m): **RMCA**: 9028b - Aka (04 35 00 N 29 42 00 E): **RBINS**: 13749.1, 13749.2, 13749.3, 13749.4, 13749.5, 13765.01, 13765.02, 13765.03, 13765.04, 13765.05, 13765.06, 13765.07, 13765.08, 13765.09, 13765.10, 13765.11; **RMCA**: 36711, 36802, 36803, 36804, 36805, 36806, 36807 - Alima (00 35 00 N 29 18 00 E): **RMCA**: 28154 - Ango (04 02 00 N 25 52 00 E, 610 m): **RMCA**: 17756 - Ango cave (04 02 00 N 25 52 00 E, 610 m): **RMCA**: 18103, 18105, 18106 - Angumu (00 07 00 S 27 42 00E, 859 m): **AMNH**: 119614 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 49171, 49178, 49179, 49180, 49181, 49182, 49369, 49370, 49372, 49373, 49374, 49375, 49376, 49377; **MCZ**: 17223, 17373; **RMCA**: 1429 - Banana (060100S 122400E, 0 m): **RMCA**: 21478, 21479 - Baya carrière (11 52 00 S 27 27 00 E, 1279 m): **RMCA**: 35023, 35024, 35026 - Baye via Bondo (042500N 230400E): **RMCA**: 25863 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 75.035-M-0036, 75.035-M-0037, 75.035-M-0038, 75.035-M-0039, 75.035-M-0040, 75.035-M-0041, 75.035-M-0042, 75.035-M-0043, 75.035-M-0044, 75.035-M-0045, 75.035-M-0046, 75.035-M-0047, 75.035-M-0048, 75.035-M-0049, 75.035-M-0050, 75.035-M-0051, 75.035-M-0052, 75.035-M-0053, 75.035-M-0054, 75.035-M-0055, 75.035-M-0056 - Bolobo (02 09 00 S 16 14 00 E): **RMCA**: 20535, 20536 - Bolobo (020900S 161400E): **BMNH**: 1954.818, 1954.819 - Bombo Lumene (03 58 00 S 15 59 00 E): **RMCA**: 92.119-M-0001, 92.119-M-0002, 92.119-M-0003 - Bunia (013400N 301500E, 1332 m): **RMCA**: 14950, 14951, 14952, 14953, 14954, 14955, 21468 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 14582a, 14582b, 15329 - Butembo (0009N 2917E, 1381 m): **RMCA**: 19916, 19917, 19918, 19919, 19920, 19921, 20574, 81.049-M-0003, 81.049-M-0004, 81.049-M-0005 - Cel II (ca. 03 55 00 N 29 22 00 E): **RBINS**: 13737, 13738 - Defrenne cave (10 58 00 S 26 39 00 E): **RMCA**: 22490 - Dethioux farm, cave I (11 06 00 S 26 29 00 E, 1334 m): **RMCA**: 27909, 27910, 27911, 27912, 27913 - Dethiox caves (10 50 S 26 39 E): **SMF**: 18922, 18923, 18924 - Detioux Cave (10 50 00 S 26 39 00 E): **SMF**: 18925 - Dikuluwe cave (104500S 252200E): **RMCA**: 22090, 22091, 22092, 22093, 22094, 22095, 22096, 22097, 22098, 22099, 22100, 22101 - Dungu (03 37 00 N 28 34 00 E, 669 m): **RBINS**: 8203.01, 8203.02, 8203.03, 8203.04, 8203.05, 8203.06, 8203.07, 8203.08, 8203.09, 8203.10, 8203.11, 8203.12, 8203.13, 8203.14, 8203.15, 8203.16, 8203.17, 8203.18 - Eala (00 04 00 N 18 17 00 E, 301 m): **RMCA**: 13411 - Elisabethville (114000S 272600E, 1209 m): **RMCA**: 16183, 16243 - Epulu (01 23 45 N 28 34 40 E, 750 m): **UNIKIS**: EPLU637, EPLU639, EPLU641, EPLU642, EPLU643 - Epulu (012345N 283440E, 750 m): **FMNH**: 138139, 138140, 149407, 149408, 149409, 149410, 149411, 149412, 149413, 149414, 149415, 149416; **KU**: 151343, 151344; **RMCA**: 25653 - Etembo (00 55 00 N 28 39 00 E, 832 m): **RMCA**: 19903 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49168, 49381, 49385, 49416 - Funda Biabo (09 50 00 S 25 33 00 E, 693 m): **RMCA**: 5382 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 13739 - Gemena (03 15 00 N 19 46 00 E, 555 m): **RMCA**: 15841 - Grottes Kiwakishi (ca. 09 00 S 27 12 E): **HZM**: 55.8027 - Hoyo, Mount (01 13 00 N 29 49 00 E, 1200 m): **RMCA**: 19097, 19098 - Ibambi (02 22 00 N 27 37 00 E, 687 m): **RMCA**: 14987, 14988 - Ibembo (0238N 2337E, 420 m): **RMCA**: 20280 - Idjwi, Island (02 09 00 S 29 04 00 E, 1600 m): **RMCA**: 36219 - Ikela (011100S 231600E, 425 m): **RMCA**: 25829, 25831, 27021 - Ilimba (00 50 N 29 58 E, 750 m): **RMCA**: 37147, 37148, 37149, 37150, 37151, 37152, 37153, 37154 - Irangi (0154S 2827E): **BMNH**: 1956.465; **RMCA**: 27440, 27441, 27443, 27444, 27445, 28037, 28381, 28382, 28383, 28384 - Irangi Forest (015400S 282700E, 5000-5100 ft): **RMCA**: 23749, 25872, 25873, 25874 - Irangi, slightly E of (ca. 01 54 S 28 27 E): **ZMA**: MAM.24180, MAM.24181, MAM.24185 - Irumu, 25 km W (012300N 283800E): **RMCA**: 22800 - Ishango River (00 08 00 S 29 36 00 E, 950 m): **RMCA**: 37155 - Ituri Forest (01 00 00 N 29 16 00 E): **MCZ**: 48226, 48227, 48228, 48229, 48230, 48231, 48232, 48234, 48235 - Jomba (01 16 54 S 29 33 14 E): **MHNG**: 1873.062, 1873.063, 1873.064, 1873.065, 1873.066, 1873.067 - Kabambi (00 51 00 N 29 39 00 E, 1260 m): **RMCA**: 37160, 37161 - Kabatibi Cave (ca. 011300N 294900E): **BMNH**: 1960.83, 1960.84 - Kabobo Forest (04 59 29 S 29 04 49 E, 1950 m): **FMNH**: 195085 - Kabwe (061200S 222300E, 610 m): **FMNH**: 152682 - Kadjidji (02 09 00 S 28 54 00 E, 1455 m): **MNHN**: ZM-MO-1984-1344 - Kailo (02 38 00 S 26 06 00 E, 602 m): **RMCA**: 32863 - Kakanda cave (104700S 263600E, 1438 m): **MHNG**: 1047.067, 1047.068, 1047.069, 1047.070, 1047.071, 1047.072, 1047.073, 1047.074; **RBINS**: 14563, 14564, 14565, 14566, 14567, 14568, 14569, 14570, 14571, 14572, 14573, 14574, 14575; **RMCA**: 22851, 22852, 22853, 22854, 22855, 22856, 22857, 22858, 22859, 22860, 22861, 22862, 22863, 22864, 22865, 22866, 22867, 22868, 22869, 22870, 22871, 22872, 22873, 22874, 22875, 22876, 22877, 22878, 22879, 22880, 22881, 22882, 22883, 22884, 22885, 22891, 22892, 22893, 22894, 22895, 22896, 28167, 28168, 28170, 28175, 28177, 28178, 28180, 28182, 28183, 28185, 28186, 28187, 28188, 28189, 28190, 33066, 33067 - Kakontwe (105900S 264000E, 1253 m): **RMCA**: 22638, 22639, 22640, 22641, 22642, 22643, 22644, 22645, 22646, 22647, 22648, 22649, 22650, 22651, 34714, 34715, 34716, 34717, 34718, 34719, 34720, 34721, 34722, 34723, 34724, 34725, 34726, 34727, 34728, 34729, 34730, 34731, 34732, 34733, 34734, 34735, 34736, 34737, 34738, 34739, 34740, 34741, 34742, 34743, 34744, 34745, 34746, 34747, 34748, 34749, 34750, 34751, 34752, 34753, 34754, 34755, 34756, 34757, 34758, 34759, 34760, 34761, 34762, 34763 - Kakontwe Camp (105900S 264000E, 1253 m): **RMCA**:

23859 - Kakontwe cave (105900S 263800E, 1294 m): **MHNG**: 1046.037, 1046.038, 1046.039, 1046.040, 1046.041, 922.096; **RMCA**: 22489, 23814, 23861, 23862, 26232, 26247, 26251, 26252, 26253, 26725, 26726, 26744, 26746, 31215, 31216 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 31151, 32395, 32396, 32397, 32399, 32864, 32865 - Kapolowe (11 02 00 S 26 57 00 E, 1135 m): **RMCA**: 22191 - Karibumba (00 02 00 N 29 25 00 E, 1412 m): **RMCA**: 18864a, 18865, 18866 - Kasaji Malonga (102700S 232700E): **RMCA**: 21278 - Kasenga road, km 106 (104400S 282600E): **RMCA**: 23803 - Kasoma (09 25 00 S 26 37 00 E): **RBINS**: 14584, 14585, 14586, 14587, 14588, 14589 - Kasoma cave (09 25 00 S 26 37 00 E): **MHNG**: 1047.075, 1047.076, 1047.077, 1047.078, 1047.079; **RBINS**: 14583 - Kasongo (04 27 00 S 26 40 00 E, 625 m): **RMCA**: 29201, 29205 - Katanga (ca. 10 00 S 27 30 E): **RMCA**: 16223, 16224 - Kele cave 1 (05 31 00 S 14 36 00 E): **RMCA**: 14916, 14917, 14918, 14919, 14920, 14921, 14922, 14923, 14924 - Keroma (043500N 293200E): **RBINS**: 13751.01, 13751.02, 13751.03, 13751.04, 13751.05, 13751.06, 13751.07, 13751.08, 13751.09, 13751.10, 13752.01, 13752.02, 13752.03, 13752.04, 13752.05, 13752.06, 13752.07, 13752.08, 13752.09, 13752.10, 13753.01, 13753.02, 13753.03, 13753.04, 13753.05, 13753.06, 13753.07, 13753.08, 13753.09, 13753.10, 13754.01, 13754.02, 13754.03, 13754.04, 13754.05, 13754.06, 13754.07, 13754.08, 13754.09, 13754.10, 13755.01, 13755.02, 13755.03, 13755.04, 13755.05, 13755.06, 13755.07, 13755.08, 13755.09, 13755.10, 13756.01, 13756.02, 13756.03, 13756.04, 13756.05, 13756.06, 13756.07, 13756.08, 13756.09, 13756.10, 13757.01, 13757.02, 13757.03, 13757.04, 13757.05, 13757.06, 13757.07, 13757.08, 13757.09, 13757.10, 13758.01, 13758.02, 13758.03, 13758.04, 13758.05, 13758.06, 13758.07, 13758.08, 13758.09, 13758.10, 13758.11; **RMCA**: 36746, 36747, 36748, 36749, 36750, 36751, 36752, 36753, 36754, 36755, 36756, 36757, 36758, 36759, 36760, 36761, 36762, 36763, 36764, 36765, 36766, 36767, 36768, 36769, 36770, 36771, 36772, 36773, 36774, 36775, 36776, 36777, 36778, 36779, 36780, 36781, 36782, 36783, 36784, 36785, 36786, 36787, 36788, 36789, 36790, 36791, 36792, 36793, 36794, 36795, 36796, 36797, 36798, 36799 - Kiambi (07 20 00 S 28 01 00 E, 607 m): **RMCA**: 16225, 16226 - Kibwe Lya Mikako cave (00 14 42 S 29 01 00 E, 1500 m): **RMCA**: 22949, 22950, 22951, 22952, 22953, 22954, 35171, 35175, 35176, 35177, 35178, 35179, 35180, 35181, 35182, 35183, 35184, 35185, 35186, 35187, 35188, 35189, 35190, 35191, 35192, 35193, 35194, 35195, 35196, 35197, 35198, 35199, 35200, 35201, 35202, 35203, 35205, 35207, 35209, 35210, 35212, 35213, 35214, 35215 - Kilemue (02 53 00 S 28 07 00 E): **RMCA**: 34801, 34802 - Kilibozi (03 03 00 S 28 09 00 E): **RMCA**: 76.022-M-0023 - Kiligi (02 53 00 S 28 18 00 E): **RMCA**: 75.017-M-0004, 75.017-M-0005 - Kimuenza cave (04 27 33 S 15 17 20 E): **RMCA**: 35917 - Kinda (04 47 00 S 21 48 00 E, 470 m): **RMCA**: 79.022-M-0008 - Kinshasa (04 19 47 S 15 18 54 E, 240 m): **HZM**: 53.8025, 54.8026 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 82.031-M-0014, 82.031-M-0015, 82.031-M-0016, 82.031-M-0017, 82.031-M-0018, 82.031-M-0019, 82.031-M-0020, 82.031-M-0021, 82.031-M-0022 - Kisantu (050700S 150500E, 421 m): **RMCA**: 2416a, 2416b, 6563 - Kivu region: **SMF**: 31831, 31832, 64981, 64982, 64983, 77087, 77088, 77089, 77090, 77091, 77092, 77093, 77094, 77095, 77096, 77097, 77098 - Koloka (03 23 N 24 30 E): **SMF**: 6364 - Koteli (02 52 00 N 24 33 00 E, 432 m): **RMCA**: 8918 - Kumbi: **ZMA**: MAM.24900 - Kwama Kwama, cave (01 19 00 N 29 52 00 E, 1200 m): **RMCA**: 37156, 37157 - Kyasala cave (09 56 00 S 25 58 00 E, 1300 m): **MHNG**: 1047.065, 1047.066, 922.097, 922.098, 922.099; **RBINS**: 14590, 14591, 14592, 14593, 14594; **RMCA**: 23809, 23811, 23812, 23851a, 23852, 23854, 23855, 23856, 23857, 23858, 26865 - Kyasala grande grotte (09 56 00 S 25 58 00 E, 1300 m): **MHNG**: 1046.042 - Kyavinionge (00 07 00 S 26 36 00 E, 935 m): **RMCA**: 37146 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **AMNH**: 49110; **RMCA**: 18127, 18128, 31128 - Libenge (03 39 00 N 18 38 00 E, 326 m): **RMCA**: 13988 - Lovanium university (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 32631, 32632 - Lubudi (0957S 2558E, 1307 m): **SMF**: 21287 - Lubudi, large cave (095700S 255800E, 1307 m): **RMCA**: 22654, 22655, 22656, 22657 - Lubumbashi (11 40 00 S 27 28 00 E, 1208 m): **RMCA**: 16185, 16207, 16221, 16222, 16244 - Luhoho (01 30 20 S 028 05 51 E): **ZMA**: MAM.24186 - Lukatu cave (06 59 00 S 29 43 00 E, 827 m): **RMCA**: a7.006-M-0005, a7.006-M-0006 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86772, 86773, 86774, 86775, 86776, 86881, 86918, 86919, 86920, 86921, 86922, 86923, 86924, 86925, 86926, 86928, 86929, 86930, 86931 - Lula (072500S 223300E): **RMCA**: 25612, 25613, 25614, 25615, 25616, 25617, 25618, 25619, 25620, 25621, 25622, 25623, 25624, 25625, 25626, 25627, 27199 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.11.1.47, 1926.11.1.48, 1926.11.1.49, 1926.11.1.50, 1926.11.1.51, 1926.11.1.52, 1926.11.1.53, 1926.7.6.62_1, 1926.7.6.62_2, 1926.7.6.64, 1926.7.6.65, 1926.7.6.66, 1926.7.6.67, 1926.7.6.68, 1926.7.6.7, 1926.7.6.70; **RMCA**: 13708, 7543b, 7566, 7567 - Lundjulu (002000S 283600E, 1300 m): **RMCA**: 21585 - Make (04 36 00 S 15 10 00E): **RMCA**: 89.057-M-0002 - Makpe (04 20 00 N 29 34 00 E): **RBINS**: 13743 - Maleli (04 20 N 29 37 E): **RBINS**: 13734.1, 13734.2, 13735.1, 13735.2, 13741.1, 13741.2, 13741.3, 13741.4, 13741.5, 13741.6, 13742.1, 13742.2, 13744.1, 13744.2, 13744.3, 13744.4, 13745.1, 13745.2, 13745.3, 13745.4, 13746.1, 13746.2, 13746.3, 13746.4, 13746.5, 13746.6, 13746.7, 13746.8, 13746.9, 13747.1, 13747.2, 13748.1, 13748.2 - Malili (04 13 00 N 29 32 00 E): **RMCA**: 36706, 36707, 36708, 36709, 36710, 36712, 36713, 36714, 36715, 36716, 36742, 36743, 36744, 36745, 36800, 36801 - Mani cave or Nkela cave (05 22 S 14 32 E): **RMCA**: a2.040-M-0003, a2.040-M-0004 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0329, 93.079-M-0330, 93.079-M-0331, 93.079-M-0332, 93.079-M-0333, 93.079-M-0334, 93.079-M-0335 - Mbuji-Mayi, 32 km SE (ca. 06 09 S 23 36 E): **FMNH**: 152683 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 49104, 49105, 49106, 49107, 49108, 49109, 49184, 49185, 49186, 49187, 49378, 49379, 49380; **RMCA**: 9180 - Mongbwalu (01 57 00 N 30 02 00 E, 1374 m): **RMCA**: 15561, 15630, 15747, 15748, 15749, 15750 - Mount Hoyo caves (01 13 00 N 29 49 00 E, 1200 m): **USNM**: 301715, 301716, 301717, 301718, 301719, 301720, 301721, 301722, 301723, 301724, 301725, 301726 - Mount Wago (014500N 304000E, 2240 m): **RMCA**: 21460, 23294, 23295 - Mpopola cave (09 56 00 S 25 58 00 E, 1450 m): **RMCA**: 28193, 28194, 28195, 28196, 28197, 28198, 28199, 28200, 28201, 28202 - Muhulu (01 03 00 S 27 17 00 E, 671 m): **RMCA**: 27446, 27447, 27448, 27449, 27450 - Mulungu (02 19 00 S 28 48 00 E, 1159 m): **RMCA**: 33968 - Mulungwishi (10 46 58 S 26 37 52 E): **RBINS**: 14581, 14582; **RMCA**: 11522, 11669, 11670, 11671, 11672, 11673, 11674, 11675, 11676, 11677, 11678, 11679, 11680, 11681, 11682, 11683, 11684, 11685, 11686, 11687, 11688, 11689, 11690, 11691, 11692, 11693, 11694, 11695 - Mulungwishi cave (10 46 58 S 26 37 52 E, 1366 m): **MHNG**: 922.095; **RMCA**: 23863, 23864 - Musenge (01 37 S 28 18 E): **ZMA**: MAM.24550, MAM.24551, MAM.24552, MAM.24554, MAM.24555, MAM.24556 - Musenge village (0137S 2818E): **RMCA**: 22736, 22737, 22738, 22739 - Musosa, near (08 22 S 29 38 E): **RBINS**: 14576, 14577 - Mutwanga (002000N 294500E, 1338 m): **RMCA**: 16607 - Mwanakusu (04 26 00 S 26 48 00 E, 612 m): **RMCA**: 29200, 29202, 29203, 29204 - Mwanakusu cave (043500S 270800E): **RMCA**: 22730, 22731, 22732, 22733, 22734, 22735, 29199 - Nambiliki / Dungu (03 40 00 N 29 10 00 E): **RBINS**: 13730.1, 13730.2, 13731.1, 13731.2, 13732.1, 13732.2, 13733; **RMCA**: 36695, 36696, 36697, 36698, 36699, 36700, 36701, 36702, 36703, 36704, 36705, 36717, 36718, 36719, 36720, 36721, 36722, 36723, 36724, 36725, 36726, 36727, 36728, 36729, 36730, 36731, 36732, 36733, 36734, 36735, 36736, 36737, 36738, 36739, 36740, 36741 - Ngamaye (00 44 N 29 38 E, 815 m): **RMCA**: 37145 - N'Gombe (06 35 00 S 20 42 00 E, 528 m): **RMCA**: 6561 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 49183, 49388 - Niapu (02 25 00 N 26 28 00 E, 619 m): **AMNH**: 49405, 49406, 49407, 49408, 49409, 49410, 49411, 49412, 49413, 49414 (Holotype *Hipposideros caffer niapu*); **MCZ**: 17224 (Topotype *Hipposideros caffer niapu*) - Nyabiondo (01 15 S 28 45 E, 1297 m):

ZMA: MAM.24352, MAM.24353 - Obenge (01 23 S 025 02 E): **UNIKIS**: TLL374 - Oso river (01 04 00 S 27 25 00 E): **SMF**: 22298, 22299 - Panga (01 51 00 N 26 25 00 E, 434 m): **RMCA**: 9129, 9130, 9131 - Paoni [=Pahoni] (01 58 30 N 28 52 30 E, 913 m): **MHNG**: 1873.059, 1873.060, 1873.061 - Paulis (0246N 2737E, 730 m): **RMCA**: 18943b, 18944 - Pidigala river (04 35 00 N 29 32 00 E): **RBINS**: 13750 - Poko (03 09 00 N 26 53 00 E, 641 m): **AMNH**: 49400, 49401, 49402; **RMCA**: 4332, 4333, 4334, 4335, 4336a, 4337, 4338, 4339 - PPK.78 (04 19 N 29 35 E): **RMCA**: 36833, 36834, 36835 - Rambira (02 03 00 S 28 54 00 E): **RMCA**: 28904 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **AMNH**: 82395; **MCZ**: 23378, 23379, 25057 - Saga Saga, cave (01 19 00N 29 52 00 E, 1160 m): **RMCA**: 37158, 37159 - Sakania (124500S 283400E, 1278 m): **RMCA**: 18244 - Saliboko (014200N 302900E, 1874 m): **BMNH**: 1953.497; **RMCA**: 81.012-M-0076 - St Therese mission (105853S 264400E, 1318 m): **RMCA**: 26246, 26255, 27537 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86150, 86168, 86170 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 16214, 16217 - Tantara cave (11 02 00 S 26 29 00 E, 1334 m): **RBINS**: 14578, 14579, 14580 - Tembwe (06 30 00 S 29 22 00 E, 1055 m): **RMCA**: 8854, 8855, 9178 - Thysville (051500S 145200E, 604 m): **RBINS**: 22430; **RMCA**: 22586, 22587, 22588, 22589, 22590, 22591, 22592, 22593, 22594, 22595, 22596, 22597, 22598, 22599, 22600, 22601 - Thysville, cave b 13 a (051600S 145300E): **RMCA**: 22584, 22585 - Tschambutscha (ca. 01 58 00 S 28 30 00 E): **RMCA**: 27442 - Tshakala (00 27 27 N 25 32 05 E, 453 m): **RMCA**: 82.019-M-0001, 82.019-M-0002, 82.019-M-0003, 82.019-M-0004 - Tshamalenge cave (11 46 S 26 30 E): **MHNG**: 1046.043 - Tshikapa (06 25 00 S 20 48 00 E, 485 m): **RMCA**: 6562 - Tshuapa district (00 13 S 20 52 E): **RMCA**: 34181 - Uma (00 32 21 N 025 54 05 E, 508 m): **UNIKIS**: UMA513, UMA622, UMA625 - Utu (river) (01 24 00 S 27 49 00 E): **RMCA**: 28903 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 89.020-M-0038, 91.076-M-0048, 91.076-M-0101, 91.076-M-0110, 92.079-M-0076, 92.079-M-0077, 92.079-M-0078, 92.079-M-0079, 92.079-M-0149 - Wago (mount) (014500N 300400E, 2240 m): **RMCA**: 23293 - Yalosemba (02 35 N 24 47 E, 422 m): **MHNG**: 1871.015, 1871.016; **USNM**: 463482, 463483, 463484, 537714, 537715, 537716, 537717, 537718 - Zambi (05 51 00 S 12 52 00 E): **RMCA**: 150a, 150b, 150c.

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-3257, 97.077-M-3269, 97.077-M-3270, 97.077-M-3292, 97.077-M-3293, 97.077-M-3295, 97.077-M-3296, 97.077-M-3355, 97.079-M-0802; **SMF**: 81921, 84391, 91896, 91897, 91898, 91899, 91900, 91901, 91902, 91903, 91904, 91905, 91906, 91907, 91908, 91909, 91910, 91911, 91912, 91913, 91914, 91915, 91916 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 35674, 35680, 97.077-M-3178, 97.077-M-3182, 97.077-M-3183 - Divo (05 50 15 N 05 21 26 W, 148 m): **MNHN**: ZM-MO-1985-1163, ZM-MO-1985-1735, ZM-MO-1985-1736, ZM-MO-1985-1737 - Duékoué (0644N 0721W): **FMNH**: 105204, 105332 - Flampleu (07 16 33 N 08 02 43 W, 373 m): **RMCA**: 34868 - Lamto (06 12 00 N 05 02 00 W): **RMCA**: 97.077-M-3132 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1747, ZM-MO-1985-589, ZM-MO-1985-590, ZM-MO-1985-591, ZM-MO-1985-681; **ROM**: 80318 - Madinani mountains, E of (ca. 0937N 0657W): **FMNH**: 105200 - Parc National de Mont Peko (06 56 N 07 10 W): **ROM**: 100516, 100517, 100518, 100519, 100520, 100521, 100522, 100523, 100524, 100525, 100526, 100547, 100575, 100576, 100577 - Parc National de Tai (ca. 05 50 N 07 20 W): **ROM**: 100496 - Toumodi, 5 km SE (ca. 06 33 N 05 01 W): **AMNH**: 239397.

Equatorial Guinea:

Unknown locality: **BMNH**: 1900.2.5.42, 1904.7.1.29, 1904.7.1.30, 1904.7.1.31, 1904.7.1.32, 1904.7.1.33, 1904.7.1.34, 1904.7.1.35, 1904.7.1.36; **RMCA**: 28429, 28430 - Attogondama: **ZMB**: T09914 - Bioko island (ca. 03 30 N 08 42 E): **SMF**: 22049 - Malabo (0345N 0843E): **EBD**: M815 - Río Muni (0152N 0946E): **EBD**: RM815, RM816.

Ethiopia:

Unknown locality: **BMNH**: 1970.2216_1, 1970.2216_2, 1970.2218, 1970.468, 1970.469, 1970.470, 1970.471, 1972.4366, 1972.4367, 1976.295; **SMF**: 47844, 47845, 47846, 47847, 47848, 47849, 47850, 47851, 49602, 49603, 49604, 49605, 49606 - Lake Shalla (0729N 3832E, 1800 m): **FMNH**: 105424.

Gabon:

Unknown locality: **BMNH**: 1874.10.6.5, 1875.10.15.1, 1897.12.1.10, 1897.12.1.8, 1897.12.1.9, 1975.627; **SMF**: 84406 - Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-1985-816; **ZMA**: MAM.25280 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-MO-1981-902, ZM-MO-1981-903, ZM-MO-1981-904, ZM-MO-1981-905 - Como River (0009N 0949E, 0 m): **BMNH**: 1897.12.1.11 (Holotype *Hipposiderus caffer guineensis*) - Grotte de Faucon (01 07 N 13 20 E): **MNHN**: ZM-MO-1981-162AC - Ogoou, near (ca. 0100S 1300E): **AMNH**: 37234 - Oyem (01 35 54 N 011 34 31 E, 552 m): **ZMA**: MAM.19699, MAM.19700, MAM.19701, MAM.19702.

Ghana:

Unknown locality: **BMNH**: 1911.1.22.4, 1963.1454, 1966.6254, 1966.6255, 1966.6256, 1974.24, 1975.547, 1975.548, 1975.549_1, 1975.549_2, 1975.549_3, 1975.549_4, 1975.553, 1976.738, 1976.739_1, 1976.739_2, 1976.739_3, 1976.739_4, 1976.743 - Anamabu Castle (05 10 N 01 07 W, 0 m): **FMNH**: 55746, 55747 - Apesokubi (07 35 N 00 24 E, 200 m): **SMF**: 92132 - Apesokubi, 4.5 km N (07 38 N 00 23 E): **SMF**: 89671, 89672 - Bibianaha (06 28 N 02 20 W, 720 ft): **BMNH**: 1910.10.23.2, 1911.1.22.3, 1963.1455 - Bungueli, near (ca. 09 42 50 N 01 53 31 W, ca. 275 m): **AMNH**: 237422, 237423, 237424 - Draw River FR (0512N 0224W): **ZFMK**: 2003.1024, 2003.1025, 2003.1028 - Fort St. George (05 05 N 01 21 W, 0 m): **HNHM**: 73.105.1, 73.105.2, 73.105.3, 73.105.4, 73.105.5, 73.105.6, 73.108.1, 73.108.2, 73.108.3, 73.108.4, 73.108.5, 73.108.6, 73.108.7, 73.108.8 - Krokosua Hills Forest Reserve (06 37 N 02 51 W): **ZFMK**: 2003.1047 - Mpasaatia (06 39 50 N 01 50 40 W): **AMNH**: 233893, 233894, 233895, 233896 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 412083, 412084, 412085, 412086, 412087 - Oboasi (06 15 N 01 36 W): **AMNH**: 233885, 233886, 233887, 233888, 233889, 233890, 233891, 233892 - Obomen (06 35 N 00 45 W, 402 m): **ROM**: 49101 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 55749; **USNM**: 439941, 439945, 439947, 439949, 439953, 439954, 439961, 439962, 439963, 439968, 439970, 439974, 439975, 439977, 439978, 439980, 439983, 439986, 439988, 439989, 439991, 439993, 439996, 439999 - Sakpa (0852N 0221W): **USNM**: 414977, 414978 - Sekondi (04 56 N 01 42 W, 0 m): **AMNH**: 120373 - Shiare (08 18 00 N 00 36 00 E, 728 m): **SMF**: 92133 - Wli Waterfall (ca. 07 08 N 00 35 E): **SMF**: 92131 - Wora Wora (07 31 00 N 00 22 00 E, 217 m): **AMNH**: 233897, 233898.

Guinea:

Unknown locality: **MNHN**: coll. GB1207 - cave, Guinee-Maritime (ca. 0942N 1322W): **HNHM**: 88.122.1 - Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0288 - Fressoudou (09 08 00 N 08 54 00 W): **MNHN**: ZM-2012-367 - Gbaolé (07 26 30 N 09 14 34 W, 482 m): **MNHN**: ZM-2012-369 - Kindia (100400N 125100W, 338 m): **MNHN**: ZM-MO-1985-786, ZM-MO-1985-787, ZM-MO-1985-788, ZM-MO-1985-789, ZM-MO-1985-825 - Mount Nimba (073700N 082500W): **MNHN**: ZM-MO-1984-490, ZM-MO-1984-491 - Mount Nimba? (073700N 082500W): **MNHN**: ZM-MO-1985-815 - Park National du Haut Niger (ca. 10 17 06 N 10 07 20 W): **ZFMK**: 1997.0441, 1997.0442, 1997.0443 - Pic de Foko (08 29 35 N 08 53 48 W, 1289 m): **ZFMK**: 2009.0027 - Sérédou (08 22 56 N 09 17 59 W): **MNHN**: ZM-MO-1985-1124, ZM-MO-1985-507, ZM-MO-1991-2275 - Tahiré (09 51 00 N 12 47 00 W, 144 m): **ZFMK**: 1959.0183 -

Tourela, 2.3 km E (08 30 32 N 08 57 00 W, 621 m): **ZFMK**: 2008.0290 - Western Spur Valley (08 33 26 N 08 55 16 W, 900 m): **ZFMK**: 2009.0028 - Whiskey 1 (08 32 56 N 08 53 57 W, 1175 m): **ZFMK**: 2008.0289 - Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1985-1126, ZM-MO-1985-1127, ZM-MO-1985-1128, ZM-MO-1985-1129, ZM-MO-1985-1130, ZM-MO-1985-1131, ZM-MO-1985-1132, ZM-MO-1985-1133, ZM-MO-1985-1134, ZM-MO-1985-1135, ZM-MO-1985-1136, ZM-MO-1985-1137, ZM-MO-1985-1138, ZM-MO-1985-1139, ZM-MO-1985-1140, ZM-MO-1985-1141, ZM-MO-1985-1142, ZM-MO-1985-1734 - Zogota (mine) (ca. 07 53 10 N 09 01 24 W): **MNHN**: ZM-2012-368 - Zouguépo (074220N 082426W, 526 m): **MNHN**: ZM-MO-1985-1730, ZM-MO-1985-1731.

Kenya:

Unknown locality: **AMNH**: 164749, 164750; **BMNH**: 1901.5.1.10, 1901.5.1.9, 1902.1.2.15, 1910.4.1.11, 1910.4.1.13, 1910.4.1.14, 1910.4.1.15, 1910.4.1.16, 1910.4.1.17, 1910.4.1.19, 1910.4.1.2, 1910.4.1.20, 1910.4.1.21, 1910.4.1.22, 1910.4.1.23, 1911.12.8.10, 1926.5.12.16, 1932.2.19.1-4, 1975.2543, 1975.2544, 1975.2544_1, 1975.2544_2, 1975.2545, 1975.2917_1, 1975.2917_2, 1975.2920_1, 1975.2920_2, 1975.2920_3, 1975.2920_4, 1975.2920_5, 1975.2920_6, 1975.2920_7, 1975.2920_8; **WAM**: M16522 - Central [former] province: **SMF**: 25773, 25775 - Coast [former] province: **SMF**: 57543 - Endebess, 3 mi W (0107N 3449E, 2134 m): **USNM**: 436657, 436658 - Gome Maria Caves (0320S 4001E): **ROM**: 79661 - Kakamega (0017N 3447E): **USNM**: 350964, 351232, 351233, 351234, 351235, 351236, 351237, 351238 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 73274 - Kakamega Forest Mine (0011N 3451E): **FMNH**: 152676, 152677, 152678 - Kakamega Forest Station, 4 mi E (ca. 0017N 3447E, 1615 m): **FMNH**: 152666, 152667, 152668, 152669, 152670, 152671, 152672, 152673, 152674, 152675 - Kakamega Forest, 12.8 km SE (001600N 345300E): **USNM**: 350948, 350949, 350950, 350951, 350952, 350953, 350954, 350955, 350956, 350957, 350958, 350959, 350960, 350961 - Kakamege, 8 mi [= 12.8 km] S (001600N 345300E): **USNM**: 351226, 351227, 351228, 351229, 351230, 351231 - Kapseta (01 05 N 34 45 E, 2300 m): **MNHN**: ZM-MO-1984-314 - Karen (01 20 S 36 45 E, 1706-1829 m): **USNM**: 436614, 436615, 436616, 436617, 436618, 436619, 436620, 436621, 436622, 436623, 436624, 436625, 436626, 436627, 436628, 436629, 436630, 436631, 436632, 436633, 436655, 436656 - Karen, 10 mi]=16 km] SW (01 24 S 36 40 E): **USNM**: 436634, 436635, 436636, 436637, 436638, 436639, 436640, 436641, 436642, 436643, 436644, 436645, 436646, 436647, 436648, 436649, 436650, 436651, 436653, 436654 - Kilifi, 2 mi W (0338S 3951E): **FMNH**: 152681 - Kirui (0108N 3433E): **MCZ**: 31150 - Kitale, 20 mi SW (0045N 3445E, 1829 m): **FMNH**: 152641, 152642, 152643, 152644, 152645, 152646, 152647, 152648, 152649, 152650, 152651, 152652, 152653, 152654, 152655, 152656, 152657, 152658, 152659, 152660, 152661, 152662, 152663, 152664, 152665 - Koru (00 11 S 35 16 E, 1980 m): **USNM**: 351239, 351240 - Koru, 3 mi N (0011S 3516E): **USNM**: 350945, 350946 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **MCZ**: 48888; **USNM**: 350965, 350966 - Legatet Hill (0010S 3517E): **USNM**: 350943, 350944, 350947 - Legatet Hill cave (0010S 3517E): **FMNH**: 152636, 152637, 152638, 152639 - Lirhanda Cave (00 12 42 N 34 53 55 E): **MMU**: PWW2964, PWW2965 - Mahiakalo Cave (00 14 52 N 34 54 23 E): **MMU**: PWW2938, PWW2940, PWW2942, PWW2943, PWW2944, PWW2945, PWW2946, PWW2947, PWW2948, PWW2949 - Mau Forest (0037S 3544E): **USNM**: 351241, 351242 - Mombasa, cave near (ca. 040300S 394000E): **USNM**: 347411 - Mount Elgon (01 04 00 N 34 34 00 E, 1890-2250 m): **MCZ**: 31151, 31152 - Mukanda river, near bridge 2 (ca. 04 10 S 39 27 E): **ZMA**: MAM.21658 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **USNM**: 164021, 166391 - Njoro River (2) (0037S 3544E, 2286 m): **USNM**: 350962, 350963 - Rongai, 5 mi SW (ca. 0011S 3552E): **FMNH**: 152640 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **ZMA**: MAM.20843 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **USNM**: 375913, 375922 - Waa (04 10 12 S 39 36 10 E): **ROM**: 79660.

Liberia:

Unknown locality: **BMNH**: 1967.1454, 1967.1455, 1967.1456, 1967.1457, 1977.380, 1979.460_01, 1979.460_02, 1979.460_03, 1979.460_04, 1979.460_05, 1979.460_06, 1979.460_07, 1979.460_08, 1979.460_09, 1979.460_10, 1979.460_11, 1979.460_12, 1979.460_13, 1979.473_1, 1979.473_2, 1979.473_3, 1979.473_4, 1979.473_5, 1979.473_6, 1979.479_1, 1979.479_2, 1979.479_3, 1979.479_4, 1979.483, 1979.485_1, 1979.485_2, 1979.485_3, 1979.485_4, 1979.489_1, 1979.489_2, 1979.489_3, 1979.489_4, 1979.493_1, 1979.493_2, 1979.493_3, 1979.493_4; **DNSM**: 12598, 12599, 12603, 12620, 13243, 13244, 13245, 13246, 13247; **RMNH**: MAM.17833; **SMF**: 47397, 87690 - Gabagea River: **AMNH**: 265786, 265787, 265788, 265789, 265790, 265791, 265793, 265794, 265795, 265796, 265797, 265798, 265799, 265800, 265802, 265803, 265804, 265805, 265806 - Grassfield (07 29 20 N 08 34 15 W, 530 m): **RMCA**: 80.036-M-0027, 80.036-M-0028, 80.036-M-0029 - Harbel (06 16 47 N 10 20 51 W, 95 m): **MVZ**: 133065, 133066 - Juarzon (052256N 085044W, 134 m): **AMNH**: 256543 - Mount Coffee (06 29 19 N 10 38 47 W): **USNM**: 83800, 83801, 83802 - Nimba county: **SMF**: 33904, 33905, 33906, 33907, 33908, 33909, 33910, 33911, 33912, 33913, 33914, 33915, 33916, 33917, 33918, 33919, 33920, 33921, 33922, 33923, 33924, 33925, 33926, 33927, 33928, 33929, 33930, 33931, 33932, 33933, 33934, 33935, 33936, 33937, 33938, 33939, 33940, 33941, 33942, 33943, 33944, 33945, 33946, 33947, 33948, 33949, 33950, 33951, 33952, 33953, 33954, 33955, 33956, 33957, 33958, 33959, 33960, 33961, 33962, 33963, 33964, 33965, 33966, 33967, 33968, 33969, 33970, 33991, 33992, 33993, 33994, 33995, 33996, 33997, 33998, 33999, 34000, 34001, 34002, 34003, 34004, 34005, 34006, 34007, 34008, 34009, 34010, 34011, 34012, 34013, 34014, 34015, 34016, 34017, 34018, 34019, 34020, 34021, 34022, 34023, 34024, 34025, 34026, 34027, 34028, 34029, 34030, 34031, 34032, 34033, 34034, 34035, 34036, 34037, 34038 - Tars Town (0613N 0808W): **USNM**: 481714, 481719, 481720, 481726, 481727, 481728, 481729, 481730 - Teayee (0703N 0909W): **BMNH**: 1979.497_1, 1979.497_2, 1979.497_3 - Ziggida, 10.5 km N, 1 km E: **AMNH**: 265751, 265752, 265753, 265754, 265755, 265756, 265757, 265758, 265759, 265760, 265761, 265762, 265763, 265766, 265767, 265768, 265769, 265770, 265771, 265772, 265773, 265774, 265775, 265776, 265777, 265778, 265779, 265780, 265781, 265782, 265783, 265784, 265785, 265920, 265921 - Ziggida, 13 km N, 1 km E (750 m): **AMNH**: 265807, 265808, 265811, 265812, 265813, 265815, 265816, 265817, 265818, 265819, 265820, 265821, 265822, 265823 - Zorzor (07 46 46 N 09 25 49 W, 516 m): **AMNH**: 276104, 276105 - Zozoma (082500N 094700W): **AMNH**: 257051, 257052.

Malawi:

Unknown locality: **BMNH**: 1893.7.9.34, 1922.12.17.27, 1987.1076, 1995.265 - Livingstonia Beach (Hotel) (13 43 S 34 37 E, 480 m): **ZMA**: MAM.28337 - Liwonde National Park, Headquaters (15 02 18 S 35 15 16 E): **TM**: 41780 - Malosa (15 12 S 35 20 E, 900 m): **ZMA**: MAM.28338 - Mulanje, Chipoka village (1602S 3530E): **NMP**: mw155 - Nkhotakota (12.93S 34.3E): **KM**: 11689 - Tembuka (1428S 3516E): **MCZ**: 43779.

Mali:

Unknown locality: **SMF**: 92109, 92110.

Mozambique:

Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8549 - Gurue, 2.9 km N, 8.9 km E (1525S 3704E, 984 m): **FMNH**: 177130, 177131, 177132, 177133, 177134, 177135, 177136, 177137, 177138 - Meponda (13 24 05 S 34 52 14 E, 590 m): **DNSM**: 8528, 8550, 8551 - Mount Mabu (16 16 48 S 36 24 00 E, 1000 m): **DNSM**: 11481 - Tete, 2 mi SE

(1607S 3337E): **USNM**: 367496, 367497 - Vila Gamlto, 10 km N (14.08S 33.02E): **USNM**: 365244 - Vila Gamito, 10 km N (1404S 3259E): **USNM**: 365245, 365246, 365247, 365250, 365254, 365255, 365256, 365257, 365258, 365259, 365260, 365261, 365262, 365263, 365264, 365267, 365268, 365269, 365273, 367498, 367499, 367500, 367501, 367502, 367503, 367504, 367505, 367506, 367507, 367508, 367509, 367510, 367511, 367512, 367513, 367514, 367515, 367516, 367517, 367518, 367519, 367520, 367521, 367522, 367523, 367524, 367525, 367526, 367527, 367528, 367529, 367530, 367531, 367532, 367533, 367534.

Namibia:

Goas (22 13 00 S 15 45 00 E): **RMCA**: 94.041-M-0005.

Niger:

Tapoa, 2 km E (12 36 N 02 29 E): **USNM**: 462783, 462784 - Toudou mines (122827N 022729E): **MVZ**: 149496, 149497.

Nigeria:

Unknown locality: **BMNH**: 1880.12.3.1, 1908.10.6.4, 1908.10.6.5, 1908.10.6.6, 1934.12.3.1-3, 1947.348, 1947.349, 1974.482 - Chappal Waddi (0701N 1141E, 1900m): **SMNS**: 41339, 41340 - Dada (1134N 0429E): **USNM**: 402748, 402749, 402750, 402751, 402752, 402753, 402754, 402755, 402756, 402757, 402758, 402759, 402760, 402761, 402762, 402763, 402764, 402765, 402766, 402767, 402768, 402769, 402770 - Enugu state: **SMF**: 92074, 92075, 92076 - Gangirwal (0701N 1142E, 2300m): **ZFMK**: 1988.0098 - Jauro Masali (0620N 0325E, 1300 m): **ZFMK**: 1988.0096, 1988.0097 - Kamuku Game Reserve (104817N 061747E): **ROM**: 86289 - Kano (1200N 0831E): **ROM**: 84079 - Nindam Forest Reserve (0928N 0819E): **ROM**: 86924, 86925, 86926, 86927, 86933, 86934, 86936 - Oban, 14 [= 22.5 km] mi S (051900N 083400E): **USNM**: 377116, 377117 - Obudu plateau (ca. 0628N 0921E): **ROM**: 86284 - Shagunu (10 20 N 04 28 E, 77 m): **USNM**: 379516, 379517, 379518, 379519, 379520, 379521, 379522, 379523, 379524, 379525 - Shagunu Borgu (10 20 N 04 28 E, 77 m): **FMNH**: 104521, 104522, 104523, 104524, 104525, 104526, 104527, 104528, 104529, 104530, 104531, 104532 - Wikki (09 46 10 N 10 31 58 E): **ROM**: 86067.

Rwanda:

Unknown locality: **SMF**: 29050, 29051, 29052, 29053 - Kibumbu crater, caves 2 and 3 (01 24 35 S 29 32 36 E): **BMNH**: 1992.389 - Kidaho (012212S 294433E, 1944 m): **RMCA**: 87.046-M-0215, 87.046-M-0216, 87.046-M-0217, 87.046-M-0218, 87.046-M-0219, 87.046-M-0220, 87.046-M-0221, 87.046-M-0222, 87.046-M-0223, 87.046-M-0224, 87.046-M-0225, 87.046-M-0226, 87.046-M-0227, 87.046-M-0228, 87.046-M-0229, 87.046-M-0230, 87.046-M-0231, 87.046-M-0232, 87.046-M-0233, 87.046-M-0234, 87.046-M-0235, 87.046-M-0236, 87.046-M-0237, 87.046-M-0238, 87.046-M-0239, 87.046-M-0240, 87.046-M-0241, 87.046-M-0242, 87.046-M-0243, 87.046-M-0244, 87.046-M-0245 - Lugarama (01 26 S 30 32 E): **INPBC**: V3041.1, V3041.2 - Nyakichozi (01 23 S 30 37 E, 1250 m): **INPBC**: V3118.1 - Nyakinama (013422S 293830E, 1661 m): **RMCA**: 82.006-M-0896 - Nyundo (014147S 300137E, 1594 m): **RMCA**: 80.055-M-0098, 80.055-M-0099, 80.055-M-0100, 80.055-M-0101, 80.055-M-0102, 80.055-M-0103, 80.055-M-0104, 80.055-M-0105, 80.055-M-0106, 80.055-M-0107, 80.055-M-0108, 80.055-M-0109, 80.055-M-0110, 80.055-M-0111, 80.055-M-0112 - Ruhengeri (01 30 15 S 29 38 09 E, 1772 m): **MHNG**: 1873.068, 1873.069, 1873.070, 1873.071 - Rukira (021300S 303500E, 1709 m): **RMCA**: 82.006-M-0897, 82.006-M-0898, 82.006-M-0899, 82.006-M-0900, 82.006-M-0901, 82.006-M-0902, 82.006-M-0903, 82.006-M-0904, 82.006-M-0905, 82.006-M-0906, 82.006-M-0907, 82.006-M-0908, 82.006-M-0909, 82.006-M-0910, 82.006-M-0911, 82.006-M-0912, 82.006-M-0913, 82.006-M-0914 - Rwankalo: **RBINS**: 13112.

São Tomé and Principé:

Unknown locality: **AMNH**: 90214, 90215 - Ponta Barra Bobo and Praia da Mutamba, coast road between (0023N 0636E): **CAS**: 26823, 26824, 26825, 26826, 26827, 26828, 26829, 26830, 26831, 26852, 26853 - Praia das Conchas (0024N 0637E): **ZMB**: 69471, 69472, 69473, 69474, 69475, 69476 - Principé Island: **EBD**: P811 - Rio Contador valley, S side (0018N 0633E): **CAS**: 26784, 26785, 26786, 26787, 26788, 26789, 26848, 26849, 26850, 26851 - San Antonio (0140N 0725E): **CAS**: 26790, 26791, 26792, 26793, 26794, 26795, 26796, 26797, 26798, 26799, 26800, 26801, 26802, 26803, 26804, 26805, 26806, 26807, 26808, 26809, 26810, 26811, 26812, 26813, 26814, 26815, 26816, 26817, 26818, 26819, 26820, 26821, 26822 - São Tomé Island (0013N 0643E): **EBD**: ST813.

Senegal:

Unknown locality: **BMNH**: 1919.7.7.3402 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1973-535, ZM-MO-1973-536, ZM-MO-1973-538, ZM-MO-1973-539, ZM-MO-1973-540, ZM-MO-1973-541, ZM-MO-1973-542, ZM-MO-1973-543, ZM-MO-1973-544, ZM-MO-1973-545, ZM-MO-1973-546, ZM-MO-1973-547, ZM-MO-1973-548, ZM-MO-1973-549, ZM-MO-1973-550, ZM-MO-1973-551, ZM-MO-1973-552, ZM-MO-1973-553, ZM-MO-1973-554, ZM-MO-1973-555, ZM-MO-1973-556, ZM-MO-1973-557, ZM-MO-1973-558, ZM-MO-1973-560, ZM-MO-1973-561, ZM-MO-1973-562, ZM-MO-1973-563, ZM-MO-1973-564, ZM-MO-1973-565, ZM-MO-1973-566, ZM-MO-1973-567, ZM-MO-1973-568, ZM-MO-1973-569, ZM-MO-1973-570, ZM-MO-1973-571, ZM-MO-1973-572, ZM-MO-1973-573, ZM-MO-1973-574, ZM-MO-1973-575, ZM-MO-1973-576, ZM-MO-1973-577, ZM-MO-1973-578, ZM-MO-1973-579, ZM-MO-1973-596, ZM-MO-1973-597, ZM-MO-1973-603, ZM-MO-1973-604, ZM-MO-1973-650, ZM-MO-1984-1293, ZM-MO-1995-675, ZM-MO-1995-676, ZM-MO-1995-677, ZM-MO-1995-678, ZM-MO-1995-679, ZM-MO-1995-680, ZM-MO-1995-681, ZM-MO-1995-682, ZM-MO-1995-683, ZM-MO-1995-684, ZM-MO-1995-685, ZM-MO-1995-687, ZM-MO-1995-688, ZM-MO-1995-689, ZM-MO-1995-690, ZM-MO-1995-691, ZM-MO-1995-692, ZM-MO-1995-693, ZM-MO-1995-694, ZM-MO-1995-695, ZM-MO-1995-739, ZM-MO-1995-740, ZM-MO-1995-741, ZM-MO-1995-742, ZM-MO-1995-743, ZM-MO-1995-744, ZM-MO-1995-745, ZM-MO-1995-746 - Dar Salam (1315N 1312W): **IVB**: S695, S696, S697 - Daudi Cave (1221N 1219W): **IVB**: S825 - Dindefelo (1221N 1219W): **IVB**: S820 - Goudiri (1412N 1214W): **USNM**: 377917, 377918, 377919, 377920, 377921, 377922, 377923, 377924, 377925, 377926, 377927, 377928, 377929, 377930, 377931, 377932, 377933 - Goulombo (13 30 00 N 13 43 00 W, 63 m): **RMCA**: 81.003-M-0003 - Lengue Kountou (1302N 1304W): **IVB**: S132 - Linguere (1522N 1507W): **USNM**: 379154 - Niokolo Koba NP, Dar Salam (1315N 1313W): **IVB**: S1374, S1400 - Niokolo Koba NP, Lengue (1303N 1305W): **IVB**: S119 - Niokolo Koba NP, Simenti (1301N 1317W): **IVB**: S272, S273, S275, S285 - Simenti (1301N 1317W): **IVB**: S95 - Tambacounda region: **SMF**: 92758.

Sierra Leone:

Unknown locality: **BMNH**: 1930.12.23.4, 1939.487, 1947.626, 1950.1900, 1961.103, 1967.2164; **USNM**: 502917 - Bumban, 1 mi E (0907N 1154W): **USNM**: 462848 - Hanjama, 1 mi [= 1.6 km] W (0757N 1056W): **USNM**: 462818, 462819, 462820, 462821, 462822, 462823, 462824, 462825, 462826, 462827, 462828, 462829, 462830, 462831, 462832, 462833, 462834, 462835, 462836, 462837, 462838, 462839, 462840, 462841, 462842, 462843, 462844, 462845 - Makeni (0857N 1202W): **ROM**: 51046 - Outamba-Kilimi-NP (0945N 1210W): **USNM**: 547006, 547007, 547008, 547011 - Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 547005 - Segbwema, 1 mi [= 1.6 km]SE (080000N 105700W): **USNM**: 463126, 463127, 463128, 463129, 463130, 463131, 463132, 463133, 463134, 463135, 463136, 463137, 463138, 463139, 463140, 463141, 463142, 463143, 463144, 463145, 463146, 463147, 463148,

463149, 463150, 463151, 463152, 463153, 463154, 463155, 463156, 463157, 463158, 463159, 463160, 463161, 463162.

South Sudan:

Andari Payam, Bangangai Game Reserve, location 7 (04 52 28 N 27 40 53 E, 694 m): **USNM**: 586776 - Bangangai forest (0451N 2745E): **FMNH**: 108162, 108163 - Bor (06 12 26 N 31 33 33 E, 406 m): **USNM**: 166393 - Gondokoro (0454N 3140E): **FMNH**: 44124, 44174, 44175, 44176, 44177, 44178; **MCZ**: 19401, 19402; **USNM**: 164940, 164941, 164943, 164944, 164948, 164949, 164953, 164955, 164956, 164957, 164958, 164959, 164960, 164961, 164962, 164963, 166395, 166397, 166398, 166399, 166400, 166401, 166402, 166403, 166404, 166405, 166406, 166407, 166408, 166409, 166412, 166413, 166416, 166418, 166419, 166420, 166421, 166423, 166425, 166427, 166430, 166432, 166433, 166434, 166435, 166436, 166437, 166438, 166439, 166443, 166444, 166445, 166446, 166447, 166448, 166449, 166450, 166452, 166453, 166454, 166460, 166461, 166462, 166463, 166464, 166465, 166466, 166468, 166469, 166470, 166471, 166472, 166473, 166474, 166475, 166480, 166482, 166483, 166485, 166486 - Katire (0405N 3246E): **FMNH**: 77622, 78207 - Mupoi cave (0433N 2822E): **FMNH**: 81569, 81570, 81571, 81572, 81573 - Okaru (042929N 321009E, 911 m): **FMNH**: 68115, 68116 - Talanga forest (0400N 3244E, 914 m): **FMNH**: 108157, 108158, 108159, 108160, 108161 - Torit (0427N 3231E, 610 m): **FMNH**: 66672, 77626, 77627, 77628, 78197, 78198, 78199, 78200, 78201, 78202, 78203, 78204, 78205, 78206 - Torit district (ca. 042448N 323404E): **USNM**: 368918.

Sudan:

Kadugli (11 00 N 29 43 E): **SMF**: 33012.

Tanzania:

Unknown locality: **BMNH**: 1878.1.15.1, 1924.1.1.33, 1924.1.1.35, 1924.1.1.37, 1924.1.1.38, 1952.804, 1960.77, 1960.78, 1960.80, 1964.1542, 1964.1543, 1964.1544, 1964.1546, 1964.1549, 1964.1550, 1964.1567, 1964.1568, 1964.1569, 1964.1570, 1964.1571, 1964.1572, 1964.1574, 1964.1578, 1964.1581, 1964.1582, 1964.1583, 1964.1584, 1964.1585, 1964.1586, 1964.1587, 1964.1588, 1964.1589, 1964.1590, 1964.1591, 1964.1663, 1964.1667, 1964.1669, 1964.1687, 1964.1697, 1972.816, 1972.816_1, 1972.816_2, 1972.816_3, 1972.816_4, 1972.817, 1972.818, 1972.819, 1975.2919, 1976.286, 1986.178, 1992.4; **SMF**: 66949, 81190, 81191, 81196 - Ashanti-Geita (02 55 S 32 05 E): **FMNH**: 182719, 182720, 182721 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22308, MAM.22309, MAM.22310 - Chita, 3 km N (0831S 3556E, 300 m): **FMNH**: 153930 - Chita, 4.5 km W (0831S 3554E, 600 m): **FMNH**: 155554 - Dar Es Salaam (06 48 00 S 39 17 00 E, 0 m): **WAM**: M27047, M27048 - Dodoma: **USNM**: 251926 - Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187140 - Kihansi Gorge (4.7542S 38.8028E, 650 m): **FMNH**: 163387 - Kihansi Gorge (4.8197S 38.7097E, 700 m): **FMNH**: 163388 - Kilimatinde Hospital (05 49 58 S 34 57 43 E): **ZMA**: MAM.21989, MAM.21990 - Kilosa (06 50 S 36 59 E, 572 m): **FMNH**: 27293; **MCZ**: 22793, 22794, 22795 - Kisangwa (01 57 S 33 56 E): **BRTC**: 29150 - Kisarawe (0653S 3903E): **MCZ**: 57543, 57544; **USNM**: 519683, 519684, 519685, 519686 - Kisarawe, near (ca. 06 53 S 39 03 E): **BMNH**: 1973.26 - Kisarawe, near (ca. 0653S 3903E): **TM**: 41209, 41210, 41211, 41212; **TTU**: 42405, 42406; **USNM**: 534061, 534062, 534063, 534064, 534065, 534066, 534067, 534068, 534069, 534070, 534071, 534072, 534073, 534074, 534075, 534076, 534077, 534078, 534079, 534080, 534081, 534082, 534083, 534084, 534085, 534086, 534087, 534088, 534089, 534090, 534091, 534092, 534093, 534094, 534095, 534096, 534097, 534098, 534099, 534100, 534101, 534102, 534103, 534104, 534105, 534106, 534107, 534108, 534109, 534110, 534111, 534112, 534113, 534114, 534115, 534116, 534117, 534118, 534119, 534120, 534121, 534122, 534123, 534124, 534125, 534126, 534127, 534128, 534129, 534130, 534131, 534132, 534133, 534134, 534135, 534136, 534137, 534138, 534139, 534140, 534141, 534142, 534143, 534144, 534145, 534146, 534147, 534148, 534149, 534150, 534151, 534152, 534153, 534154, 534155, 534156, 534157, 534158, 534159, 534160, 534161, 534162, 534163, 534164, 534165, 534166, 534167, 534168, 534169, 534170, 534171, 534172, 534173, 534174, 534175, 534176, 534177, 534178, 534179, 534180, 534181, 534182, 534183, 534184, 534185, 534186, 534187, 534188, 534189, 534190, 534191, 534192, 534193, 534194, 534195, 534196, 534197, 534198, 534199, 534200, 534201, 534202, 534203, 534204, 534205, 534206, 534207, 534208, 534209, 534210, 534211, 534212, 534213, 534214, 534215, 534216, 534217, 534218, 534219, 534220, 534741, 534742, 534743, 534744, 534745, 534746, 534747, 534748, 534749, 534750, 534751, 534752, 534753, 534754, 534755, 534756, 534757, 534758, 534759, 534760, 534761, 534762, 534763, 534764, 534765, 534766, 534767, 534768, 534769, 534770, 534771, 534772, 534773, 534774, 534775, 534776, 534777, 534778, 534779, 534780, 534781, 534782, 534783, 534784, 534785, 534786, 534787, 534788, 534789, 534790, 534791, 534792, 534793, 534794, 534795, 534796, 534797, 534798, 534799, 534800, 534801, 534802, 534803, 534804, 534805, 536190, 536191, 536192, 536193, 536194, 536195, 536196, 536197, 536198, 536199, 536200, 536201, 536202, 536203, 536204, 536205, 536206, 536207, 536208, 536209, 536210, 536211, 536212, 536213, 536214, 536215, 536216, 536217, 536218, 536219, 536220, 536221, 536222, 536223, 536224, 536225, 536226, 536227, 536228, 536229, 536230, 536231, 536232, 536233, 536234, 536235, 536236, 536237, 536238, 536239, 536240, 536241, 536242, 536243, 536244, 536245, 536246, 536247, 536248, 536249, 536250, 536251, 536252, 536253, 536254, 536255, 536256, 536257, 536258, 536259, 536260, 536261, 536262, 536263, 536264, 536265, 536266, 536267, 536268, 536269, 536270, 536271, 536272, 536273, 536274, 536275, 536276, 536277, 536278, 536279, 536280, 536281, 536282, 536283, 536284, 536285, 536286, 536287, 536288, 536289, 536290, 536291, 536292, 536293, 536294, 536295, 536296, 536297, 536298, 536299, 536300, 536301, 536302, 536303, 536304, 536305, 536306, 536307, 536308, 536309, 536310, 536311, 536312, 536313, 536314, 536315, 536316, 536317, 536318, 536319, 536320, 536321, 536322, 536323, 536324, 536325, 536326, 536327, 536328, 536329, 536330, 536331, 536332, 536333, 536334, 536335, 536336, 536337, 536338, 536339, 536340, 536341, 536342, 536343, 536344, 536345, 536346, 536347, 536348, 536349, 536350, 536351, 536352, 536353, 536354, 536355, 536356, 536357, 536358, 536359, 536360, 536361, 536362, 536363, 536364, 536365, 536366, 536367, 536368, 536369, 536370, 536371, 536372, 536373, 536374, 536375, 536376, 536377, 536378, 536379, 536380, 536402, 536403, 536404, 536405, 536451, 536452, 536453, 536454, 536455, 536456, 536457, 536458, 536459, 536460, 536461, 536462, 536463, 536464, 536465, 536466, 536467, 536468, 536469, 536470, 536471, 536472, 536473, 536474, 536475, 536476, 536477, 536478, 536479, 536480, 536481, 536482, 536483, 536484, 536485, 536486, 536487, 536488, 536489, 536490, 536491, 536492, 536493, 536494, 536495, 536496, 536497, 536498, 536499, 536500, 536501, 536502, 536503, 536504, 536505, 536506, 536507, 536508, 536509, 536510, 536511, 536512, 536513, 536514, 536515, 536516, 536517, 536518, 536519, 536520, 536521, 536522, 536523, 536524, 536525, 536526, 536527, 536528, 536529, 536530, 536531, 536532, 536533, 536534, 536535, 536536, 536537, 536538, 536539, 536540, 536541, 536542, 536543, 536544, 536545, 536546, 536547, 536548, 536549, 536550, 536551, 536552, 536553, 536554, 536555, 536556, 536557, 536558, 536559, 536560, 536561, 536562, 536563, 536564, 536565, 536566, 536567, 536568, 536569, 536570, 536571, 536572, 536573, 536574, 536575, 536576, 536577, 536578, 536579, 536580, 536581, 536582, 536583, 536584, 536585, 536586, 536587, 536588, 536589,

536590, 536591, 536592, 536593, 536594, 536595, 536596, 536597, 536598, 536599, 536600, 536601, 536602, 536603, 536604, 536605, 536606, 536607, 536608, 536609, 536610, 536611, 536612, 536613, 536614, 536615, 536616, 536617, 536618, 536619, 536620, 536621, 536622, 536623, 536624, 536625, 536626, 536627, 536628, 536629, 536630, 536631, 536632, 536633, 536634, 536635, 536636, 536637, 536638, 536639, 536640, 536641, 536642, 536643, 536644, 536645, 536646, 536647, 536648, 536649, 536650, 536651, 536652, 536653, 536654, 536655, 536656, 536657, 536658, 536659, 536660, 536661, 536662, 536663, 536664, 536665, 536666, 536667, 536668, 536669, 536670, 536671, 536672, 536673, 536674 - Kondoa (045400S 354700E, 1405 m): **MNHN**: ZM-MO-1883-408, ZM-MO-1883-409, ZM-MO-1883-410 - Lindi region: **SMF**: 19455, 19456, 79619, 81192, 81193, 81194 - Lugerungjere river: **ZMB**: T10694 - Mahenge (08 41 S 36 43 E, 1276 m): **KU**: 151341 - Mbeya region: **SMF**: 85540, 85541 - Mbeya Township (08 54 00 S 33 27 00 E, 1661 m): **AMNH**: 179291, 179294, 179295 - Morogoro region: **SMF**: 66950, 89684, 89685, 89686 - Mto wa Mbu (032100S 355100E, 1170 m): **AMNH**: 179290 - Mwanza region: **SMF**: 88033, 88034, 91251 - Ngerengere River (ca. 07 00 S 38 00 E): **ZMB**: 89571 (Holotype *Phyllorhina rubra*) - Pugu Hills (06 53 S 39 05 E, 152 m): **FMNH**: 154808 - Pwani region: **SMF**: 75874, 75885, 75886, 79614, 79616, 81195, 92426 - Tabora (05 01 00 S 32 48 00 E, 1212 m): **ZMB**: 67699, 67700, 67701 - Tanga region: **SMF**: 79605, 79606, 79607, 79608, 79609, 79610, 79611, 79612, 79613, 79615, 79617, 79618, 79620, 79621, 82491, 82492, 82493, 82494, 82495, 83509, 85516, 86687, 87312, 91229, 91230, 91241, 91242, 92493, 92494, 93208, 93220, 93221, 93222, 93223, 93224, 93344, 93345, 93346, 93369 - Tendaguru [=Tendaguro] (0945S 3920E, 375 m): **ZMB**: 67702 - Tong'omba Forest Reserve (08 25 S 39 01 E): **FMNH**: 182570, 182571, 182572 - Ukerewe island (0200S 3300E): **MCZ**: 26675.

The Gambia:

Unknown locality: **BMNH**: 1949.475, 1991.269, 1991.270, 1991.271, 1991.272, 1991.273; **MCZ**: 8867; **SMF**: 91069, 91070, 91071, 91072, 91073, 91074, 92152 - Madiyana Camp (13 33 57 N 16 31 54 W): **SMF**: 91062.

Togo:

Agou (06 53 00 N 00 44 00 E, 488 m): **USNM**: 437735, 437736, 437737, 437738, 437739, 437740, 437741, 437742, 437743, 437744, 437745, 437746, 437747, 437748, 437749, 437750, 437751, 437752, 437753, 437754, 437755, 437756, 437757, 437758, 437759 - Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.011-M-0377 - Badou - Anonoe (07 35 00 N 00 36 00 E): **RMCA**: 73.009-M-0310 - Binaparba (09 14 00 N 00 46 00 E, 456 m): **RMCA**: 73.009-M-0311 - Fazao (08 42 00 N 00 47 00 E, 593 m): **RMCA**: 73.011-M-0374, 73.011-M-0385, 73.011-M-0644 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.011-M-0382, 73.011-M-0383, 73.011-M-0384 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0378, 73.011-M-0379, 73.011-M-0380, 73.011-M-0381 - no specific locality: **RMCA**: 73.013-M-0902 - Palimé (07 05 00 N 00 45 00 E): **MNHN**: ZM-MO-1984-1507, ZM-MO-1985-822.

Uganda:

Unknown locality: **BMNH**: 1899.8.4.10, 1899.8.4.11, 1899.8.4.7, 1899.8.4.9, 1923.6.3.1-2, 1934.8.28.4, 1940.697, 1940.698, 1940.699, 1940.700, 1940.701, 1964.100, 1964.101, 1964.102, 1964.103, 1964.104, 1964.105, 1964.106, 1964.107, 1964.108, 1964.109, 1964.110, 1964.111, 1964.112, 1964.113, 1964.114, 1964.115, 1964.116, 1964.117, 1964.118, 1964.119, 1964.120, 1964.121, 1964.122, 1964.123, 1964.124, 1964.125, 1964.126, 1964.127, 1964.128, 1964.129, 1964.130, 1964.131, 1964.132, 1964.133, 1964.134, 1964.135, 1964.136, 1964.137, 1964.99, 1966.3609, 1984.2084 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 152679, 152680 - Budongo Forest (0146N 3133E, 1372 m): **ROM**: 40157, 40158, 40159, 40160 - Budongo Forest Royal mile (0142N 3132E): **FMNH**: 165164, 165165 - Budongo Forest Royal mile Forest (0142N 3132E): **FMNH**: 165166 - Bukorwe Ridge (00 44 S 29 40 E, 3500 ft): **MVZ**: 124247 - Busingiro area (0143N 3128E): **FMNH**: 165167 - Busingiro Camp Site (0143N 3128E): **FMNH**: 165161; **MCZ**: 62452 - Bwindi-Impenetrable National Park (0102S 2943E, 1500 m): **FMNH**: 160358, 160359 - Echuya Forest Reserve (0118S 2950E, 2380 m): **FMNH**: 161040 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **AMNH**: 28602; **BMNH**: 1899.8.4.8 (Holotype *Hipposiderus caffer centralis*); **FMNH**: 67918, 67919, 67920 - Entebbe, near (000352N 322649E, 1158 m): **FMNH**: 67921, 67922, 67923 - Entebbe, near (000352N 322649E, 1402 m): **FMNH**: 67924 - Entebbe, near (ca. 0004N 3227E, 3800 ft): **AMNH**: 184364, 184365 - Kagolomolo-Busi island (00 04 N 32 33 E, 1158 m): **KU**: 151342 - Kalangala, 1.0 km N, 0.5 km E (001832S 321330E, 1140 m): **FMNH**: 137480, 137481, 137629, 137630, 137631, 137632 - Kalangala, 1.0 km S (ca. 001832S 321330E, 1180 m): **FMNH**: 137482, 137483, 137484, 137485, 137486, 137487, 137488 - Masaka district: **SMF**: 48022 - Masindi (0141N 3145E): **ROM**: 36323, 36324, 36325, 36326, 36327 - Ngogo (00 30 22 N 30 25 34 E): **FMNH**: 224069, 224070, 224071, 224072, 224073, 224074, 224075, 224076, 224077, 224078, 224079, 224080, 224081, 224082, 224083, 224084, 224085, 224086, 224087, 224088, 224089, 224090, 224091, 224092, 224093, 224094, 224095, 224096, 224097, 224098, 224099 - Nteko Parish (01 02 16 S 29 36 E, 1600 m): **FMNH**: 160360, 160361 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 165162, 165163; **MCZ**: 62453.

Zambia:

Unknown locality: **BMNH**: 1974.485_01, 1974.485_02, 1974.485_03, 1974.485_04, 1974.485_05, 1974.485_06, 1974.485_07, 1974.485_08, 1974.485_09, 1974.485_10, 1974.485_11, 1974.485_12 - Chiniyka bay (08 31 00 S 30 04 00 E): **RMCA**: 35415 - Chisakila Area (ca. 15 54 00 S 28 41 00 E): **WAM**: M32682 - Ikelenge (11.23S 24.27E): **NHMZ**: 33399 - Mwinilunga (1121S 2415E, 4700 ft): **AMNH**: 89169, 89170, 89171, 89172, 89173 - Sakeji School (11.12S 24.37E): **NHMZ**: 29836 - Sasare old mine (1355S 3122E): **NHMZ**: 22889.

Hipposideros tephrus (Cabrera, 1906)

Benin:

Guéné - Nikki road: **USNM**: 421382 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 421374, 421375, 421376, 421377, 421378, 421379, 421380 - Nikki (0956N 0313E): **USNM**: 421381, 421383 - no specific locality: **USNM**: 438922 - Soubroukou (0941N 0138E): **USNM**: 438927, 438928 - Zizonkame (0755N 0201E): **USNM**: 438918, 438919, 438920, 438921, 438923, 438924, 438925, 438926.

Burkina Faso:

Arly (11 35 N 01 28 E, 226 m): **USNM**: 450700, 450701, 450702, 450704, 450713, 450717, 450718, 450719 - Barga, 9 km NE (13 51 N 02 12 W): **USNM**: 452871 - Konankira (1254N 0353W): **USNM**: 454633, 454639 - Nobéré, 9 mi S (ca. 1126N 0110W): **USNM**: 450710, 450711.

Côte d'Ivoire:

Bouaké (07 41 N 05 01 59 W, 312 m): **FMNH**: 99041, 99042 - Madinani mountains, E of (ca. 0937N 0657W): **FMNH**: 105201.

Eritrea:

Keren (1546N 3827E, 1400 m): **ZMB**: 2795.

Ethiopia:

Unknown locality: **BMNH**: 1960.331, 1960.332, 1960.333, 1960.334, 1970.2215, 1970.466, 1971.654, 1971.655_1, 1971.655_2, 1971.657, 1972.234, 1972.4364, 1972.4365, 1976.294 - Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189538, S-189539 - Dire Dawa (0932N 4153E, 1250 m): **ZMB**: 41743, 42754, 42755 - Grara (12 21 N 35 44 E, 560 m): **ZMMU**: S-189540.

Ghana:

Unknown locality: **BMNH**: 1971.934_1, 1971.934_2 - Achimota (05 37 N 00 14 W, 82 m): **USNM**: 439935 - Butre (0449N 0155W): **USNM**: 414187, 414188, 414189, 414190, 414191, 414192, 414193, 414194, 414195, 414196, 414197, 414198, 414199, 414200, 414201, 414202, 414203, 414204, 414205, 414206, 414207, 414208, 414209, 414210, 414211, 414212, 414213, 414214, 414215 - Cape Coast Castle (05 06 N 01 15 W, 0 m): **USNM**: 412018, 412019 - Elemina (05 05 N 01 21 W, 0 m): **USNM**: 412020, 412021, 412022, 412023, 412024, 412025, 412026, 412027, 412028, 412029, 412030, 412031, 412032, 412033, 412034, 412035, 412036, 412037, 412038, 412039, 412040, 412041, 412042, 412043, 412044, 412045, 412046, 412047, 412048, 412049, 412050, 412051, 412052, 412053, 412054, 412055, 412056, 412057, 412058, 412059, 412060, 412061, 412062, 412063, 412064, 412065, 412066, 412067, 412068, 412069, 412070, 412071, 412072, 412073, 412074, 412075, 412076, 412077, 412078, 412079, 412080, 412081, 412082 - Kokofu (0743N 0053W, 151 m): **USNM**: 424849, 424850, 424851 - Mpasaatia (06 39 50 N 01 50 40 W): **AMNH**: 233882, 233883, 233884 - Oboasi (06 15 N 01 36 W): **AMNH**: 233880, 233881 - Prince's Town, 7 mi N (044736N 020804W): **USNM**: 412017 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414975, 414976 - Weija (0534N 0020W): **USNM**: 414168, 414170, 414171, 414172, 414173, 414174, 414175, 414176, 414177, 414178, 414179, 414180, 414181, 414182.

Mali:

Sotuba (1236N 0755W): **FMNH**: 42131.

Mauritania:

Boutilimit (17 32 48 N 14 41 40 W, 50 m): **MNHN**: ZM-MO-1913-664 A, ZM-MO-1913-664 B, ZM-MO-1913-664 C, ZM-MO-1913-664 D - Garak (16 33 N 15 46 W, 45 m): **USNM**: 401384, 401385, 401386, 401387, 479268 - Terjit (20 14 48 N 13 05 13 W, 418 m): **MNHN**: ZM-2008-96, ZM-MO-1981-909.

Morocco:

Unknown locality: **BMNH**: 1906.12.1.6, 1922.5.30.2, 1922.5.30.3 - Agadir, 30 km NW (3038N 0950W): **EBD**: COI318 - Essaouira [= Mogador] (ca. 3130N 0945W): **MNCN**: 110 (Holotype *Hipposiderus tephrus*), 111 (Paratype *Hipposiderus tephrus*); **USNM**: 154133 - Mogador [=Essaouira] (3131N 0946W): **ZMB**: 74614, 74615 - Sidi Binzarne (3004N 0940W): **NMP**: pb3833, pb3834 - Tagouidert: **ZMB**: 74613 - Tan Tan Plage, 30 km SE (2826N 1106W): **ROM**: 54773.

Niger:

Tapoa, 1 km N (12 29 31 N 02 21 36 E): **UCM**: 15189 - Toudou mines (122827N 022729E): **MVZ**: 149485, 149486, 149487, 149488, 149489, 149490, 149491, 149492, 149493, 149494, 149495.

Nigeria:

Unknown locality: **BMNH**: 1975.514 - Afon (0819N 0431E): **USNM**: 402714, 402715, 402716, 402717, 402718, 402719, 402720, 402721, 402722, 402723, 402724, 402725, 402726, 402727, 402728, 402729, 402730, 402731, 402732, 402733 - Felele (0751N 0643E): **USNM**: 402734, 402735, 402736, 402737, 402738, 402739, 402740, 402741, 402742, 402743, 402744, 402745, 402746, 402747 - Kudu (0916N 0520E): **USNM**: 402713 - Upper Ogun Ranch (0810N 0341E): **USNM**: 402712.

Senegal:

Badi (13 09 00 N 13 14 00 W, 34 m): **IVB**: S748 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1995-665, ZM-MO-1995-666, ZM-MO-1995-667, ZM-MO-1995-668, ZM-MO-1995-669, ZM-MO-1995-670, ZM-MO-1995-671, ZM-MO-1995-672, ZM-MO-1995-747, ZM-MO-1995-748 - Daudi Cave (1221N 1219W): **IVB**: S818 - Gamon (1325N 1300W): **USNM**: 379149, 379150 - Linguere (1522N 1507W): **USNM**: 379151, 379152, 379153, 379155, 379156, 379157, 379158, 379159, 379160, 379161, 379162, 379163, 379164, 379165, 379166, 379167, 379168, 379169, 379170, 379171, 379172, 379173, 379174, 379175, 379176, 379177, 379178, 379179, 379180, 379181, 379182, 379183 - Silacounta (12 38 39 N 12 07 25 W, 90 m): **MNHN**: ZM-MO-1995-673, ZM-MO-1995-674, ZM-MO-1995-749, ZM-MO-1995-750 - Simenti (1301N 1317W): **IVB**: S1132, S1146, S1147.

Sierra Leone:

Outamba-Kilimi-NP (0945N 1210W): **USNM**: 546992, 546993, 546995, 546996, 546998 - Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 546988 - Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 546990, 546991.

South Sudan:

Ikoto (0406N 3306E): **FMNH**: 77624, 77625, 77656, 77657, 77658 - Loelli (0505N 3435E): **FMNH**: 78209 - Lokwi (040628N 324314E, 1487 m): **FMNH**: 78210, 78211 - Nimule (0335N 3203E, 1219 m): **FMNH**: 67987 - Torit (0427N 3231E, 610 m): **FMNH**: 67491, 67510, 68117, 77623, 77629, 77654, 77655, 78208.

Sudan:

Unknown locality: **BMNH**: 1903.2.8.2, 1915.3.6.6, 1915.3.6.60, 1923.1.1.13, 1928.1.11.17, 1928.1.11.18, 1928.1.11.19, 1928.1.11.20, 1928.1.11.21, 1928.1.11.22, 1928.1.11.23 - Gallabat (1257N 3609E): **FMNH**: 35380, 48710, 48711 - Gallabat (1257N 3609E, 760 m): **USNM**: 297479 - Kadugli (11 00 N 29 43 E): **SMF**: 32697, 32698, 32699, 33007, 33008, 33009, 33010, 33011 - Rheika (10 41 N 30 00 E): **SMF**: 33001 - South Kordofan state: **SMF**: 34489 - Tadoro (10 41 26 N 30 01 13E, 650 m): **SMF**: 32695, 32696, 33002, 33003, 33004, 33005, 33006.

The Gambia:

Unknown locality: **SMF**: 92146, 92147, 92148, 92149, 92150, 92151 - Kudang (13 40 N 15 03 W, 13 m): **USNM**: 377564, 377565, 377566, 377567, 377568 - Toniataba (13 26 N 15 35 W, 21 m): **USNM**: 379382, 379383, 379384, 379385, 379386, 379387.

Uganda:

Nimule (033600N 320300E, 743 m): **AMNH**: 184485, 184488.

Macronycteris Gray, 1866

"Africa":

Unknown locality: **UNSW**: AR21822.

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)

"Africa":

Unknown locality: **AMS**: M.40160.

Madagascar:

Unknown locality: **AMNH**: 31812; **BMNH**: 1982.510, 1982.511, 1982.517, 1982.518, 1982.522, 1982.523, 1987.137; **SMF**: 89114; **UADBA**: 11386, 31726, 32428, 33699, 33704, 43407, 43408, 43526, 43527, 45530, 46031, 47906, 48143, 48152, 48159 - Ambalantanakomby, 25 km SW (ca. 1647S 4657E): **USNM**: 328728 - Ampijoroa (16 18 S 46 49 E): **UADBA**: 11284 - Ampijoroa (ca. 1618S 4649E): **USNM**: 341710 - Andalabezo cave (223000S 432300E, 15 m): **MNHN**: ZM-MO-1985-484, ZM-MO-1985-485, ZM-MO-1985-486 - Andrafiabe, 3.5 km SE (12 56 31 S 49 03 18 E): **FMNH**: 176277 - Andranohinaly (2317S 4359E): **ZMB**: 67766 - Andranomavo, 32 km NW (16 22 48 S 45 20 42 E, 100 m): **FMNH**: 175776, 175777, 175778 - Andringitra National Park (22 09 24 S 46 52 32 E): **FMNH**: 151706 - Androhibe caves (1532.550S 4653.170E): **USNM**: 328725, 328726, 328727 - Androimpano Cave (24 39 01 S 43 57 48 E, 110 m): **FMNH**: 184169, 184170, 184171, 184172, 184174, 184175, 184176, 184177, 184178 - Anjohibe Cave (15 32 33 S 46 53 10 E, 100 m): **UADBA**: 32916, 43747 - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], NCC-1 deposit (1532.55S 4653.17E, 100m): **UA**: 9201, 9202 - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], OLD SE deposit (ca. 1532S 4653E): **UA**: 9009 - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], SS2 deposit (1532.39S 4653.09E, 222m): **UA**: 9207, 9208, 9209, 9210, 9211, 9213, 9214 - Ankarafantsika Forest (1609S 4702E): **MCZ**: 45453 - Ankarana (13 05 00 S 48 55 00 E, 94 m): **UADBA**: 43749 - Ankarara forest (130500S 485500E, 94 m): **MNHN**: ZM-MO-1985-765 - Ankazoata, W of: **MNHN**: ZM-MO-1947-286 - Ankidrodoa (19 07 54 S 44 48 30 E, 100 m): **FMNH**: 172745, 172747, 172748, 172755, 172756, 172757, 172758 - Ankiliabo, 11 km SSE (21 46 48 S 043 58 42 E, 100-130 m): **FMNH**: 194633, 194634 - Antsohihy: **UADBA**: 31751 - Beanka forest (17 26 27 S 44 12 59 E): **UADBA**: 48158 - Bekopaka, 3.5 km E (ca. 19 08 S 44 50 E): **FMNH**: 172760 - Berenty-Betsileo, 28 km SE (22 19 00 S 45 17 36 E, 550 m): **FMNH**: 175968, 175969, 175971, 175972 (Neotype *Rhinolophus Commersonii*), 175973, 175974, 175975, 175976, 175977 - Berivotra (village) (15 54 03 S 46 34 42 E, 252 m): **FMNH**: 184886, 184887 - Betsileo (2210S 4504E): **ZMB**: 6010 - Canyon des Singes (ca. 22 30 S 45 24 E): **FMNH**: 175961 - Centre National de Recherche Océanographique (ca. 13 24 S 49 16 E): **FMNH**: 188574 - Daraina: **UADBA**: 46119 - Diego Suarez (121600S 491700E, 125 m): **MNHN**: ZM-MO-1897-21 - Diego-Suarez (Antsiranana) (121600S 491700E, 125 m): **MNHN**: ZM-MO-1962-2634 - Fiherenana River, lower valley: **MCZ**: 45588 - Fiherenana River, lower valley (23 18 59 S 43 37 06 E): **FMNH**: 176489; **MNHN**: ZM-MO-1985-397 - Fiherenana River, lower valley (231859S 433706E): **MCZ**: 45587 - Forêt d'Ampidirabe (ca. 18 31 45 S 44 36 35 E): **FMNH**: 187786 - Forêt d'Ampirojoa (16 18 54 S 046 48 36 E, 100 m): **FMNH**: 177299, 177300, 177301, 177302 - Forêt d'Ampitiliantsambo (12 20 14 S 49 23 04 E, 210 m): **FMNH**: 183980, 183981 - Forêt d'Analabe: **FMNH**: 183978, 183979 - Forêt d'Analalava (24 10 00 S 47 16 00 E, ca. 20m): **FMNH**: 183982, 183983; **MCZ**: 45643 - Forêt de Beanka (ca. 17 26 27 S 44 12 59 E): **FMNH**: 209236 - Forêt de Mahejebi (ca. 18 15 27 S 45 25 42 E): **FMNH**: 194580 - Forêt de Mamakibetro (ca. 18 27 13 S 044 42 57 E): **FMNH**: 187784, 187785 - Forêt de Tampolo (ca. 17 19 20 S 49 20 02 E): **FMNH**: 179200, 179201, 179202 - Forêt des Mikea (2) (22 46 42 S 043 31 24 E, 80 m): **FMNH**: 176163, 176164 - Forêt des Mikea (2) (22 46 42 S 43 31 24 E, 80 m): **FMNH**: 176155 - Forêt des Mikea (22 46 42 S 43 31 24 E, 80 m): **FMNH**: 176156, 176157 - Forêt des Mikea (3) (22 13 56 S 043 21 50 E): **FMNH**: 176158 - Grand Lac (12 34 59 S 49 08 55 E): **FMNH**: 156340 - Grotte d'Andrafiabe, forêt près (12 55 54 S 49 03 24 E, 50 m): **FMNH**: 169707, 169708, 169722, 213588, 221307, 221308; **UADBA**: 32987, 32988, 32989 - Grotte d'Andrafiabe, forêt près (ca. 12 55 54 S 49 03 24 E): **FMNH**: 177385, 177386, 177387 - Grotte d'Anjohibe (15 32 33 S 46 53 10 E, 100 m): **FMNH**: 209108, 209109, 209110, 209111 - Grotte d'Ankelimahogo (15 11 26 S 47 12 10 E, 50 m): **FMNH**: 184027 - Grotte de Bazaribe (12 42 44 S 49 28 25 E, 90 m): **FMNH**: 178803, 178804, 178805, 178806, 178807, 178808, 178809, 178810, 178811, 178812, 178813, 178814, 178815 - Grotte de Bekapity (22 38 00 S 45 13 05 E): **FMNH**: 218014, 218016, 218017, 218018, 218019, 218020; **UADBA**: 50268, 50269, 50271, SMG-17391, SMG-17392, SMG-17393, SMG-17394, SMG-17395 - Grotte de Bishiko (23 32 56 S 43 46 03 E, 10 m): **FMNH**: 217931 - Grotte de Mitaho, près (24 02 50 S 043 45 09 E): **FMNH**: 173151, 173162, 183929, 183930, 183931, 183933 - Grotte de Tanambao (23 32 56 S 43 46 03 E, 10 m): **UADBA**: 32378, 32379 - Grotte des chauves-souris/makis (23 28 20 S 043 46 14 E): **UADBA**: 32376 - Joffreville, 5.5 km SW (12 31 S 49 10 E, 1000 m): **FMNH**: 154601 - Kirindy Forest (CNFEREF) (20 49 27 S 044 11 06 E): **FMNH**: 222747; **UADBA**: 33692, 33693, 33694, 33695, 33696, 33697, 33698, 33700, 33701, 33702, CFR-301, CFR-306 - Lotry, lake: **MNHN**: ZM-MO-1932-3406, ZM-MO-1932-3408 - Manahy, 0.75 km SW (20 52 04 S 43 54 27 E, 5 m): **FMNH**: 176052, 176053, 176054 - Mandritsara, N of (1549S 4849E): **MCZ**: 45076, 45077, 45078, 45079 - Marovaza (14 56 48 S 47 16 29 E, 5 m): **FMNH**: 184028 - Marovaza, 4.2 km SE (cave) (14 57 58 S 47 18 29 E, 40 m): **FMNH**: 184029, 184030 - Miary: **MNHN**: ZM-MO-1947-284 - Mikea Forest (22 30 00 S 43 23 00 E, 15 m): **UADBA**: 43405 - Mistinjo: **MNHN**: ZM-MO-1868-1443, ZM-MO-1911-1410, ZM-MO-1911-784, ZM-MO-1912-51, ZM-MO-1932-3409, ZM-MO-1932-3410, ZM-MO-1932-3411, ZM-MO-1932-3412, ZM-MO-1947-283 A, ZM-MO-1947-283 B, ZM-MO-1947-283 C, ZM-MO-1947-285 (1), ZM-MO-1947-285 (2), ZM-MO-1947-285 (4), ZM-MO-1982-962, ZM-MO-1985-398, ZM-MO-1985-399, ZM-MO-1985-766 - Mitoho cave, near (24.05 S 43.75 E, 50 m): **FMNH**: 183932, 183934 - Morondava (201700S 441700E, 1 m): **MNHN**: ZM-MO-1985-491 - Namoroka (162400S 451700E, 80 m): **MNHN**: ZM-MO-2001-501 - Namoroka village, 2 km SE (ca. 16 28 S 45 20 E): **FMNH**: 178558 - North West Madagascar: **ROM**: 67336, 67337 - Nossi Be island (13 20 S 48 15 E): **SMF**: 12179 - Nossibé (132000S 481500E): **MNHN**: ZM-MO-1947-287 - Parc National de la Montagne d'Ambre (12 31 S 49 10 E, 1000 m): **UADBA**: 48642, 48661, 48666 - Rakotoniaine (ca. 16 18 S 45 23 E): **MNHN**: ZM-MO-1985-490 - Ranobe (23 00 34 S 43 36 34 E): **FMNH**: 177371 - Ranohira (RN7), 8 km N (22 29 08 S 45 23 30 E, 700 m): **FMNH**: 175962, 175963, 175964, 175965, 175966, 175967 - Ranohira, 10.5 km SW [Hotel Jardin du Roi] (22.31 S 45.29 E): **FMNH**: 217940 - Ranohira, 3.8 km NW (22 32 24 S 45 22 48 E): **FMNH**: 218012; **UADBA**: SMG-17320, SMG-17322 - Sahamalaza: **UADBA**: 47110 - Sainte Luce Forest (1) (2447S 4712E, 20 m): **USNM**: 578855 - Sainte-Luce forest (24 47 S 47 12 E, 20 m): **USNM**: 578738 - Sakaraha (2254S 4432E, 468 m): **YPM**: MAM 005516 - Soalala (1606S 4519E): **FMNH**: 74194 - Tabulayi to Ankazoabo (ca. 23 30 S 44 30 E): **MNHN**: ZM-MO-1947-285 (3) - Tahiky: **MNHN**: ZM-MO-1932-3407 - Tamatave (18 10 00 S 049 23 00 E, 22 m): **USNM**: 113371 - Tuléar (ca. 2322S 4340E): **ZMB**: 67765 - Western Madagascar: **FMNH**: 74195, 74196.

Réunion:

Réunion Island (ca. 21 06 S 55 36 E, 0 - 1700 m): **ZMB**: 4616.

Macronycteris cryptovalorona (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)

Madagascar:
Androimpano Cave (24 39 01 S 43 57 48 E, 110 m): **FMNH**: 184173 - Berenty-Betsileo, 28 km SE (22 19 00 S 45 17 36 E, 550 m): **FMNH**: 175970 (Holotype *Hipposideros cryptovalorona*).

Macronycteris gigas (Wagner, 1845)

"Africa":
Unknown locality: **MCZ**: 6472; **MNHN**: ZM-MO-1981-163AC.
Angola:
Unknown locality: **BMNH**: 1866.1.20.3, 1904.4.9.11 - Cunga (0922S 1337E): **USNM**: 18795, 18796.
Benin:
Kpodave (06 49 N 01 46 E): **USNM**: 438929.
Burkina Faso:
Konankira (1254N 0353W): **USNM**: 454654, 454655, 454656.
Cameroon:
Unknown locality: **BMNH**: 1933.8.4.12, 1989.720, 1989.721; **MNHN**: ZM-MO-1983-956, ZM-MO-1985-768, ZM-MO-1985-769; **YPM**: MAM 014581 - Batouri district (ca. 04 25 N 14 20 E): **MCZ**: 30707, 30708; **NMV**: C1334, C1335 - Bertoua, 30 km W (0435N 1325E): **AMNH**: 241045 - Ébam, 15 km SE (ca. 0345N 1258E): **AMNH**: 236305, 236306 - Great Soppo (0409N 0912E): **ROM**: 68988 - Kumba (04 38 38 N 09 26 19 E, 257 m): **USNM**: 511923, 511950 - Lombé (03 38 02 N 09 59 10 E, 1 m): **MSB**: 37652 - Meanja (0416N 0924E): **ROM**: 69091 - Mpundu (0413N 0924E): **ROM**: 68991 - Obala, 55 km NE (ca. 0440 N 1150E): **AMNH**: 241044.
Central African Republic:
Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 269871.
Congo:
Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: ZM-MO-1984-1381 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1886-141 - Epéna (01 21 09 N 17 27 09 E, 376 m): **FMNH**: 73828, 73829, 73830.
Congo (Democratic Republic of the):
Unknown locality: **RMCA**: a1.097-M-0550, a1.097-M-0551, a1.097-M-0552 - Butembo (0009N 2917E, 1381 m): **RBINS**: 7062 - île Mbiye (00 27 50 N 25 17 14 E, 413 m): **RMCA**: a1.097-M-3212, a1.097-M-3213 - Kakontwe (105900S 264000E, 1253 m): **BMNH**: 1954.820 - Mbuji-Mayi (06 09 S 23 36 E, 549 m): **FMNH**: 152633, 152634 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 49103 (Holotype *Hipposideros gigas niangaræ*) - Nsiana: **MCZ**: 23376 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537710.
Côte d'Ivoire:
Unknown locality: **HZM**: 45.12159; **MHNG**: 1892.018; **SMF**: 92069, 92070 - Abengourou department: **SMF**: 81922 - Abengourou department (ca. 06 35 N 03 25 W): **SMF**: 81923, 81924.
Equatorial Guinea:
Unknown locality: **BMNH**: 1900.2.5.9.
Gabon:
Unknown locality: **DNSM**: 14118; **ZMA**: MAM.07386 - Anengué, lake (01 08 29 S 09 29 29 E): **MNHN**: ZM-MO-1950-876 - Batouala (00 48 N 13 26 E, 489 m): **ZMA**: MAM.19470, MAM.19471, MAM.19473, MAM.19477, MAM.25277, MAM.25278 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **ZMA**: MAM.07828, MAM.19452, MAM.19453, MAM.19454, MAM.19455, MAM.19456, MAM.19457, MAM.19458, MAM.19459 - Grotte de Faucon (01 07 N 13 20 E): **MNHN**: ZM-MO-1985-1426, ZM-MO-1985-1427, ZM-MO-1985-1428 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1985-1913, ZM-MO-1985-1914; **ZMA**: MAM.19464, MAM.19465, MAM.19466, MAM.19467, MAM.19468 - Makokou, near (ca. 00 34 N 12 52 E): **ZMA**: MAM.19469, MAM.26262 - M'Bari site (0152S 0953E): **USNM**: 584720 - Mouila (01 52 S 11 01 E, 156 m): **MNHN**: ZM-MO-1949-512.
Ghana:
Unknown locality: **BMNH**: 1929.5.29.1, 1965.686, 1965.687, 1965.688, 1965.689, 1965.690, 1965.691, 1965.692, 1965.693, 1965.753, 1965.754, 1965.755, 1975.554, 1977.384 - Boi-Tano FR, cocoa plantation adjacent to forest edge (0532N 0237W): **ZFMK**: 2003.1041 - Butre (0449N 0155W): **USNM**: 414231 - Kade Agricultural Research Station (06 05 N 00 50 W, 127 m): **FMNH**: 105816 - Krokosua Hills Forest Reserve (06 37 N 02 51 W): **ZFMK**: 2003.1050 - Oda (05 55 N 00 56 W, 122 m): **USNM**: 439932, 439933, 439934, 576112 - Oda Secondary School (05 54 N 00 58 W): **MSU**: MR.16585 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424858, 424859, 424860, 424861 - Prestea, 32 mi W (0523N 0228W): **USNM**: 414229, 414230 - University of Ghana (053900N 001100W): **USNM**: 412093, 412094, 412095, 412096, 414228 - Wli Waterfall (ca. 07 08 N 00 35 E): **SMF**: 92135.
Guinea:
Conakry (093033N 134244W, 0 m): **MNHN**: ZM-MO-1897-975.
Guinea-Bissau:
Madina Boé (114500N 141300W, 76 m): **MNHN**: ZM-MO-1940-1204, ZM-MO-1940-1205; **NMBA**: 5266/9283 (Syntype *Hipposideros gigas viegasi*), 5267/9284 (Syntype *Hipposideros gigas viegasi*).
Kenya:
Shimoni (04 38 50 S 39 23 00 E, 0 m): **ZMA**: MAM.19836, MAM.19837.
Liberia:
Unknown locality: **BMNH**: 1979.505, 1979.506; **DNSM**: 12602; **RMNH**: MAM.20392; **SMF**: 87691, 87692, 87701; **ZMA**: MAM.30392 - Ziggida, 13 km N, 1 km E: **AMNH**: 265748.
Niger:
Niamey (1331N 0207E, 207 m): **ROM**: 54826.
Nigeria:
Unknown locality: **BMNH**: 1952.106, 1953.714 - Darazo, 6 km E (ca. 10 59 43 N 10 24 48 E): **ZMA**: MAM.18342 - Omo Forest Reserve (065049N 042217E): **ROM**: 77718, 77719.
São Tomé and Principé:
Unknown locality: **BMNH**: 1900.7.27.3, 1900.7.27.4, 1904.1.1.3.
Senegal:
Diabane (1233N 1605W): **FMNH**: 128210, 128211, 128212, 128213.
Sierra Leone:

Fadugu (0923N 1146W): **USNM**: 462846.

Tanzania:

Mtwara region: **SMF**: 26868 - Tanga region: **SMF**: 79600.

The Gambia:

Unknown locality: **BMNH**: 1842.9.27.36 (Holotype *H[ipposiderus]. gigas gambiensis*), 1911.6.10.5.

Togo:

Agou (06 53 00 N 00 44 00 E, 488 m): **USNM**: 437734 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **USNM**: 437732, 437733.

Macronycteris vittatus (Peters, 1852)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1985-767, ZM-MO-1985-770, ZM-MO-1985-771, ZM-MO-1985-772, ZM-MO-1985-773, ZM-MO-1985-774, ZM-MO-1985-775, ZM-MO-1985-776, ZM-MO-1985-777, ZM-MO-1985-778, ZM-MO-1985-779; **ZMA**: MAM.07822 - Jub: **ZMB**: 67771.

Angola:

Unknown locality: **BMNH**: 1935.1.6.12 - Luanda (08.88S 13.38E): **IICA**: 2 - no specific locality: **ZMB**: 3042 - Sá da Bandeira (145500S 133000E, 1718 m): **IICA**: 6310.

Botswana:

Drotsky Cave (20 07 S 21 22 E): **USNM**: 322898 - Drotsky's [= Drodsky] Caves (20 07 S 21 22 E): **NHMZ**: 63379, 63380, 63381, 63382, 63383, 63391, 63392, 63393, 63394, 63395, 65197, 65198, 65199, 65200; **SMF**: 54260, 54261, 54262, 54263, 54264, 54265, 54266, 54267, 54268, 54269, 54270, 54271, 54272, 54273, 54274, 54275, 54276, 54277, 54278, 54279, 54280, 54281, 54282, 54283, 54284, 54285, 54286, 54287, 54288, 54289, 54290, 54291, 54292, 54293, 54294, 54295, 54296, 54297, 54298, 54299, 54300, 54301, 54302, 54303, 54304, 54305, 54306, 54307, 54308, 54309, 54310, 54311, 54312, 54313, 54314, 54315, 54316, 54317, 54318, 54319, 54320, 54321, 54322, 54323, 54324, 54325, 54326, 54327, 54328, 54329, 54330, 54331, 54332, 54333, 54334, 54335, 54336, 54337, 54338, 54339, 54340, 54341, 54342, 54343; **TM**: 14754; **USNM**: 322844, 322845, 322846, 322847, 322848, 322849, 322850, 322851, 322852, 322853, 322899, 322900, 322901, 322902, 322903, 322904, 322905, 322906, 322907, 322908, 322909, 322910, 322911, 322912, 322914, 322915, 322916, 322917, 322918, 367697, 367698, 367699, 367700, 367701, 367702, 367703, 367704, 367705, 367706, 367707, 367708, 367709, 367710, 367711, 367712, 367713, 367714, 367715, 367716, 367717, 367718, 368672, 368673, 368674, 368675, 368676 - Kaikai, 20 mi SE (1852S 2122E): **TM**: 14755, 14756, 14757, 14758, 14759 - Kaikai, 35 km SE (20.13S 21.63E): **USNM**: 295191 - Maun (19 59 S 23 25 E, 927 m): **NHMZ**: 65201 - Pom Pom Okovango (1922Db): **NHMZ**: 59223 - Tsanogo (195940S 232504E): **NHMZ**: 65202.

Burundi:

Bujumbura (03 23 00 S 29 22 00 E, 794 m): **RMCA**: 82.016-M-0043 - Kigwena Hill (040838S 293207E, 918 m): **RMCA**: 82.016-M-0068.

Cameroon:

Unknown locality: **ZMB**: 4958 - Barombi-Mbo Lake shore, Kumba (0439N 0924E): **ROM**: 54181, 55529 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 21671 - Dimako (04 23 00 N 13 35 00 E, 680 m): **RMCA**: 77.032-M-0195 - Great Soppo (0409N 0912E): **ROM**: 55544 - Malanga: **ZMB**: 5850 - Man O'War Bay (03 57 30 N 09 13 00 E, 139 m): **ROM**: 55770 - Meyo Nkoulou (02 16 00 N 11 02 00 E): **RMCA**: 73.018-M-0101, 73.018-M-0102, 73.018-M-0103, 73.018-M-0104, 73.018-M-0105, 73.018-M-0195, 73.018-M-0196, 73.018-M-0197, 73.018-M-0198 - Moliko, CDC Banana plantation (0409N 0912E): **ROM**: 55581, 55582 - Mount Cameroon (04 12 00 N 09 11 00 E, 1768 m): **RMCA**: 95.003-M-0007 - Njombo River (0339N 1158E): **ROM**: 57218 - Obala, 12 km S, 11 km E (0409N 1131E): **ROM**: 56149, 56160 - small Soppo forest (0409N 0912E): **ROM**: 57016 - Soumou River (0315N 1124E): **ROM**: 56183 - Touroua (09 05 00 N 12 58 00 E, 202 m): **RMCA**: 76.014-M-0025, 76.014-M-0026 - village dump (0409N 0912E): **ROM**: 58363 - Yabassi (04 27 16 N 09 57 56 E, 16 m): **RMCA**: 73.029-M-0095 - Zoulabot II (02 54 00 N 13 53 00 E, 517 m): **RMCA**: 75.056-M-0064.

Central African Republic:

Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1984-1503 - Bangui area (ca. 042200N 183500E): **MNHN**: ZM-MO-1984-1505 - Bohou River (ca. 06 32 47 N 23 24 46 E): **MNHN**: ZM-MO-2000-980 - Boukoko (035400N 175600E): **MNHN**: ZM-MO-1985-396 - Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268379, 269879 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-239.

Chad:

Korkoru [=Korkoro ?] (1252N 2101E): **ZMB**: 67769.

Congo (Democratic Republic of the):

Unknown locality: **RBINS**: 205 - Baliko (00 16 S 20 49 E, 358 m): **FMNH**: 219682 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 75.035-M-0021, 75.035-M-0061 - Bokalakala (020800S 162200E, 252 m): **RMCA**: 27940, 27941, 27942, 27943, 27944, 27945 - Bomane (01 18 N 23 47 E, 429 m): **UNIKIS**: CRT2125 - Congo da Lemba (05 42 00 S 13 04 00 E): **RMCA**: 410 - Ganda-Sundi (04 52 00 S 12 52 00 E, 294 m): **RMCA**: 33261 - Goroumbwa Mine (03 06 45.66 N 29 34 13.62 E): **TM**: DBA071, DBA072, DBA075, DBA112, DBA124, DBA185, DBA186, DBA194, DBA199, DBA200, DBA280, DBA288, DBA289, DRC0071, DRC0089, DRC0124, DRC0148 - Kakontwe cave (105900S 263800E, 1294 m): **RMCA**: 22686 - Kalomoni cave (105900S 264000E, 1294 m): **RMCA**: 33992 - Kasaji (102200S 232700E, 1087 m): **RMCA**: 27891 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 7291, 9707 - Lofoi (river) (10 13 00 S 27 25 00 E): **RMCA**: 495 - Lovanium university (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 31200 - Marungu (06 43 S 29 31 E): **ZMB**: 6312 - Mosenge (04 39 00 S 18 58 00 E, 508 m): **RMCA**: 88.011-M-0012 - Mutsora (00 19 00 N 29 44 00 E, 1200 m): **RBINS**: 13325 - Mwanakusu cave (043500S 270800E): **RMCA**: 28864 - Panda (10 37 S 26 50 E, 1140 m): **RMCA**: 26211, 33991 - Tanganyika, Congo shore of lake (06 00 S 29 11 E): **RBINS**: 205b.

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-3267, 97.077-M-3271; **SMF**: 91926 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 34880, 34881, 97.079-M-0803 - Assinie (05 07 29 N 03 16 30 W): **MNHN**: ZM-MO-1885-886 - Yama (09 36 02 N 06 18 38 W, 430 m): **RMCA**: 97.077-M-3242, 97.077-M-3243.

Ethiopia:

Unknown locality: **BMNH**: 1976.804_1, 1976.804_2, 1976.804_3 - Anole Wells (0419N 3826E): **ZMB**: 67767, 67768 - Koka (08 26 N 39 02 E, 1700 m): **USNM**: 589154.

Ghana:

Kade, 7 mi [=11.3 km] NE (06 09 N 00 45 W): **ROM**: 36567 - Nuanga Road (05 33 N 00 15 W): **ROM**: 55128, 55140 - Oda (05 55 N 00 56 W, 122 m): **ROM**: 56526.

Guinea-Bissau:

Bissau [island] (11 52 N 15 39 W): **ZMB**: 4517 - Madina Boé (114500N 141300W, 76 m): **RMCA**: 15305 (Syntype *Hipposideros gigas viegasi*), 15306 (Syntype *Hipposideros gigas viegasi*).

Kenya:

Unknown locality: **BMNH**: 1975.2507, 1975.2508, 1975.2509, 1975.2510, 1975.2511, 1975.2512, 1975.2513, 1975.2514, 1975.2515, 1975.2516, 1975.2516_1, 1975.2516_2, 1975.2517, 1975.2518, 1975.2519, 1975.2776, 1975.2928_1, 1975.2928_2, 1975.889, 1975.889_1, 1975.889_2, 1975.889_3, 1975.889_4, 1975.890, 1988.199, 1988.200, 1988.201, 1988.202, 1988.203; **FMNH**: 129566 - Coast [former] province: **SMF**: 38409, 38410, 38411, 40568, 40569, 40570, 40571, 40577, 40578, 40579, 40580, 40581, 40582, 40583, 40584, 40585, 40586, 40587, 40588 - Diani (041619S 393408E): **ROM**: 79667 - Hunter's Lodge, near (02 12 41 S 37 42 55 E, 1067 m): **ROM**: 75627 - Machakos, near (01 31 S 37 16 E, 1219 m): **FMNH**: 67927, 67928 - Makandara Forest (ca. 04 15 S 39 23 E): **ZMA**: MAM.20767 - Mombas [=Mombassa] (0403S 3940E): **ZMB**: 5429 - Mombasa (04 03 00 S 39 40 00 E, 0 m): **ROM**: 35684, 79666 - Mombasa (040300S 394000E, 0 m): **ROM**: 79664 - Mombasa, 12.8 km S (04 09 57 S 39 40 00 E): **ROM**: 79665 - Mombasa, 8 mi S (0404S 3940E): **ROM**: 36708, 36709, 36710 - Mombasa, cave near (ca. 040300S 394000E): **USNM**: 347387, 347388, 347389, 347390, 347391, 347392, 347412, 347413, 347414, 347415 - Mukanda Stream (04 10 S 39 27 E, 152 m): **CUMV**: 13718; **ROM**: 74540, 74541 - Ngombeni [caves] (04 07 49 S 39 36 51 E, 31 m): **USNM**: 350938, 350939, 350940, 350941, 350942 - Ngomeni (030012N 401128E): **USNM**: 350937 - Shimani (043900S 392300E, 0 m): **USNM**: 350931, 350932, 350933, 350934, 350935 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **ROM**: 79668 - Shimilani (04 14 00 S 39 36 00 E): **RMCA**: 75.054-M-0012, 75.054-M-0013 - Shimoni (04 38 50 S 39 23 00 E, 0 m): **AMNH**: 217019, 217020, 237331, 237332, 237333; **FMNH**: 152624, 152625, 152626, 152627, 152628, 152629, 152630, 152631, 152632; **ROM**: 38393, 38394, 38395, 38396, 38397, 38398, 38399, 38400, 40208, 41779, 41780, 45911; **USNM**: 350936; **WAM**: M16573; **WNMU**: 375 - Shimoni cave (04 38 50 S 39 23 00 E, 0 m): **RMCA**: 38544, 38545; **ROM**: 46965, 46966, 46967, 46968, 46969, 46970, 46971, 46972, 46973, 46974 - Similani cave (04 07 49 S 39 36 51 E, 31 m): **AMNH**: 237334, 237379, 237380, 237381, 237382; **ROM**: 81260, 81261, 81262, 81263 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **USNM**: 375914; **ZMA**: MAM.20764, MAM.20765, MAM.20766 - Tana River (023149S 403126E): **BMNH**: 1889.3.8.3 (Holotype *Hipposideros Commersoni mostellum*) - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 81283 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **ZMA**: MAM.20768, MAM.20769 - Tiwi, 1 km N (ca. 04 14 S 39 34 E): **MCZ**: 59762 - Vipingoni (0349S 3948E): **ROM**: 91168.

Madagascar:

Toliara province: **SMF**: 78119.

Malawi:

Unknown locality: **BMNH**: 1922.12.17.13, 1922.12.17.14, 1922.12.17.15, 1922.12.17.16, 1922.12.17.17, 1922.12.17.18, 1987.1077, 1987.1078, 1987.1079 - Chintheche (11 05 00 S 34 10 00 E, 482 m): **RMCA**: 95.003-M-0006 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.28339, MAM.28340.

Mozambique:

Unknown locality: **SMF**: 87655, 87656, 87657, 87658, 87659, 87660 - Cheringoma Caves (18 33 53 S 034 52 19 E): **DNSM**: 8645 - Dabacua Setache (2133Ba): **NHMZ**: 63386 - Gorongoza National Park (18 41 25 S 34 18 49 E): **DNSM**: 11510 - Gruta Magochene (2122S 3452E): **NHMZ**: 63384, 63385 - Ibo (1459S 4041E): **ZMB**: 363, 37150 - Nogochene caves (ca. 2141S 3452E): **AMNH**: 216213, 216235 - Nyaboa Caves (2022S 3337E): **NHMZ**: 64271, 64272 - Save River, 15 km from mouth (2057S 3505E): **TTU**: 8308 - Sofala province: **SMF**: 89148 - Zimbiti (1933S 3445E): **TM**: 1027 - Zinave (2122S 3352E): **NHMZ**: 63387.

Namibia:

Unknown locality: **BMNH**: 1928.9.11.12, 1928.9.11.13; **FMNH**: 89449; **QM**: JM6237, JM6362; **SMF**: 89527 - Algamas cave, Grootfontein (19.88S 17.63E): **SMW**: 13668 - Arnhem Cave (22.7S 18.1E): **SMW**: 6808 - Arnhem cave (23 27 S 18 32 E): **MNHN**: ZM-MO-2001-1560, ZM-MO-2001-1561 - Etosha-NP, Okaukuejo (19.13S 15.88E): **SMW**: 8102 - Farm Otjikoko Sud 61 [Pipistrelle Cave] (2118S 1627E): **TM**: 37635 - Gobabls (22.45S 19.87E): **KM**: 1840 - Grootfontein (2502S 1648E): **ZMB**: 54666 - Grootfontein, NW (19.34S 17.34E): **KM**: 31439 - Kaoko Veld, southern part (ca. 1900S 1300E): **FMNH**: 84187 - Namutoni (1848S 1658E): **TM**: 2435, 2436 - Nassengehöhle: **ZMB**: 53895 - Okadjessoambo (?): **FMNH**: 80907 - Okatjiho,Okahandja (21.88S 16.63E): **SMW**: 6837 - Onguma (1754S 1607E, 1073 m): **MCZ**: 34900 - Otjlhauera (22.13S 17.13E): **SMW**: 6839 - Outjo, 40 km NE (19.9S 16.3E): **LACM**: 56258 - Quickborn (2107S 1707E): **TM**: 3495 - Quickborn (2152S 1652E): **TM**: 4881 - Twee Koppies (225800S 172400E, 1696 m): **AMNH**: 165222 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **SMW**: 6828; **ZMB**: T10184.

Niger:

Unknown locality: **ZMA**: MAM.14342.

Rwanda:

Kisenyi (01 41 15 S 29 15 17 E, 1450 m): **RMCA**: 16286.

São Tomé and Principé:

Macambrara (00 16 N 06 38 E): **MNHN**: ZM-MO-1901-79 - Sao Tome (ca. 00 12 N 06 39 E): **SMF**: 84403, 84404, 84405.

Senegal:

Dar Salam (1315N 1312W): **IVB**: S1885 - Ebarak (12 37 59 N 12 52 22 W, 108 m): **MNHN**: ZM-MO-1995-1816 - Niokolo Koba NP, Dar Salam (1315N 1313W): **IVB**: S1032, S1404 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1995-1815.

Somalia:

Unknown locality: **BMNH**: 1987.81 - Snai Sugar Plantation (02 46 N 45 31 E): **BRTC**: 41938.

South Africa:

Fig Tree Camp (22 26 00 S 31 11 00 E): **TM**: 38882 - Kruger-NP (2226S 3111E): **TM**: 36473 - Maditobe [= Witsand] Dam (22 41 S 31 02 E): **TM**: 39492 - Old Fig Tree Forest (2225S 3111E): **TM**: 42004 - Old Picnic Site (22 25 18 S 31 12 49 E): **KNP**: 167; **TM**: 39497.

Sudan:

Nubia (ca. 20 00 N 32 00 E): **ZMB**: 74612.

Tanzania:

Unknown locality: **BMNH**: 1860.2.15.1, 1868.12.22.1, 1874.5.27.2, 1914.3.11.1, 1964.1530, 1964.1531, 1964.1532, 1964.1533, 1964.1534; **RMNH**: MAM.16625, MAM.24363 - Ashanti-Geita (02 55 S 32 05 E): **FMNH**: 182717 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **MNHN**: ZM-MO-1877-618; **ZMB**: 54673 - Karema (ca. 0649S 3026E): **ZMB**: T09962 -

Kazimzumbwi forest reserve (06 58 S 39 03 E): **FMNH**: 182545 - Kijijini village (0454S 3941E, 21 m): **FMNH**: 192800, 192801, 192802, 192803, 192857, 192858, 192859, 192860, 192861, 192862, 192863, 192864, 192865, 192866, 192867, 192868, 192869, 192870, 192871, 192872, 192873 - Kilosa (06 50 S 36 59 E, 572 m): **MCZ**: 22787 - Malindi (04 37 S 38 18 E, 1626 m): **ZMB**: 5595, 67770 - Marungu (03 44 00 S 30 48 00 E, 1317 m): **ZMB**: 86257, 86258, 86259, T09820 - Mbeya Township (08 54 00 S 33 27 00 E, 1661 m): **AMNH**: 179298, 179299 - Mkanyagini (0524S 3940E): **MCZ**: 33144 - Mtwara region: **SMF**: 19474 - Myaiai (06 48 S 39 12 E): **TM**: 2048 - Newala (1057S 3918E): **ROM**: 35316, 35317 - Pwani region: **SMF**: 92427 - Ruvu South Forest Reserve (0657S 3855E): **FMNH**: 182568 - Siga caves (0504S 3903E): **MCZ**: 38917, 38918, 38919, 38920, 38934, 38935, 38936, 38937, 38938, 38939, 38940 - Tanga (05 04 00 S 39 06 00 E, 0 m): **AMNH**: 207082; **ROM**: 36320; **USNM**: 351182, 351183; **ZMB**: 10111 - Tanga region: **SMF**: 79601 - Usambara mountains (044500S 383000E): **MNHN**: ZM-MO-1895-394, ZM-MO-1895-395, ZM-MO-1897-1512, ZM-MO-1897-1513 - Zanguébar (061000S 392000E): **MNHN**: ZM-MO-1891-270 - Zanzibar (06 10 S 39 20 E): **MCZ**: 3297, 3299, 3300, 3301; **MNHN**: ZM-MO-1864-436, ZM-MO-1985-492; **SMF**: 81197; **USNM**: 174679; **ZMB**: 2608.

The Gambia:

Unknown locality: **SMF**: 92153.

Togo:

Adjido (07 30 00 N 01 11 00 E, 186 m): **RMCA**: 73.054-M-1538, 73.054-M-1539 - Koutoukpa (07 31 00 N 00 59 00 E, 458 m): **RMCA**: 73.054-M-1540 - Mono-Atchinedji (07 34 00 N 01 21 00 E): **RMCA**: 73.054-M-0096 - Nanergou (10 55 00 N 00 09 00 E, 303 m): **RMCA**: 73.009-M-0309 - Palimé (07 05 00 N 00 45 00 E): **MNHN**: ZM-MO-1984-1506.

Zambia:

Unknown locality: **BMNH**: 1910.1.27.2, 1910.1.27.3, 1910.1.27.4, 1910.1.27.5, 1914.4.22.1, 1955.1069, 1955.1070, 1960.395, 1966.5448, 1966.5449, 1966.5450, 1966.5451, 1966.5452, 1966.5453, 1966.5454; **SMF**: 86447, 86448 - Chilanga (15 33 00 S 28 17 00 E, 1220 m): **AMNH**: 218967 - Chilanga Cave (15.55S 28.27E): **FMNH**: 95152, 95153 - Chilanga-NR, Chilanga Caves (1533S 2816E): **NHMZ**: 25860, 25861, 25862, 25863, 25864, 64267, 64268, 64269; **TM**: 13527, 13528 - Chipongwe Cave (15 41 00 S 28 14 00 E): **MSB**: 32651, 33372, 33425, 33426, 33427; **NHMZ**: 12259, 12260 - Chisakila Area (ca. 15 54 00 S 28 41 00 E): **WAM**: M32679, M32680 - Kilwa Island (091600S 282700E): **NMZL**: 3688 - Leopard's Hill Cave (153617S 284156E): **CAS**: 15107 - Lochinvar Kafue Flats (1552S 2707E): **NHMZ**: 22973, 22974 - Luanshya (13.13S 28.42E): **USNM**: 294787 - Lusaka (152500S 281700E, 1270 m): **TTU**: 18335 - Lusaka, 18 mi [= 29 km] S (1541S 2817E): **CAS**: 15108 - Mandala Camp: **NHMZ**: 31373 - Missale Old Mine (1405S 3259E): **BMNH**: 1966.5455 - Ngwerere cave (15 19 S 28 19 E, 1280 m): **HNHM**: 76.158.1 - Sasare Old Mine (1355S 3122E): **NHMZ**: 20252, 20253, 20254, 20255, 20257, 20266, 20271, 20272, 20273, 20274, 20275, 20277, 20278, 20280, 20282, 20283, 20284.

Zimbabwe:

Unknown locality: **BMNH**: 1861.8.9.12; **SMF**: 81905, 81906 - Bashungwe Cave (1707S 2907E): **NHMZ**: 31141 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 65146, 9846 - Bulawayo, 20 km N: **NHMZ**: 65159 - Chinhoyi Caves (17 22 00 S 30 12 00 E, 1186 m): **DNSM**: 3936, 3937; **NHMZ**: 65157, 67015 - Chiredzi (21 03 S 31 40 E, 437 m): **NHMZ**: 65148 - Chitove Tsetse Camp (2132Aa): **NHMZ**: 65152 - Dete (1840S 2655E): **NHMZ**: 65145 - Dinosaur Trackway (1630Aa): **NHMZ**: 67034 - Eirene farm (18 23 S 31 37 E): **NHMZ**: 33400, 57206, 57207, 63389, 63390 - Gordon Park (2028S 2832E): **NHMZ**: 67041, 67042, 67043 - Great Zimbabwe (2016S 3056E): **NHMZ**: 65162 - Gwingingwi farm: **NHMZ**: 65142 - Harare Centre (1750S 3104E): **NHMZ**: 65151, 65154 - Harare, Civic Centre (1731Cc): **NHMZ**: 33407 - Kabuba Camp (1756S 2739E): **NHMZ**: 33610, 33611 - Mabura , Cave, Ngondoma R (18.37S 29.37E): **NHMZ**: 33597 - Mabura 1 Cave: **NHMZ**: 30221, 30222, 30223, 30224, 30225, 30226, 30227, 30228, 30229, 30230, 30231, 30232, 30233, 30234, 30235, 30236, 30238, 30239, 30240, 30241, 30242, 30243, 30244, 30245, 30246, 30247, 30248, 30249, 30250, 30251, 30252, 30253, 30254, 30255, 30256, 30257, 30258, 30259, 30260, 30261, 30262, 30263, 30279, 30339, 30357, 30358, 30359, 30360, 30361, 30362, 30363, 30462, 30463, 31627, 31696, 31702, 31703, 31707, 31713, 32796, 82240, 82241, 82242, 82243, 82244, 82885, 82886, 82887, 82888, 82889, 82890, 82891, 82892, 82893, 82894, 82895, 82896, 82897, 82898, 82899, 82900, 82901 - Magurazino River (1737S 2822E): **NHMZ**: 64775 - Mashonaland West province: **SMF**: 86739, 86740, 86741, 86742, 86766, 86767, 86768 - Mazoe Citrus Estate (1707S 3052E): **TM**: 41875 - Monavale (1750S 3104E): **NHMZ**: 65158 - Mushandike-NP (2030Bb): **NHMZ**: 65149 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **NHMZ**: 65153, 65155 - Mvurwi (1646S 3057E): **NHMZ**: 57609 - Nyashato Dam (1707S 3207E): **NHMZ**: 32396, 32397, 32398 - Odzi (1857S 3223E): **NHMZ**: 65144 - Quaggas Hoek (Farm) (19 34 5S 32 45 E): **NHMZ**: 65150 - Sabi-Lundi [= Save-Runde] R Confluence (21.28S 32.38E): **USNM**: 470253 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 63388, 65143 - Shangani River (1837S 2722E): **NHMZ**: 32669 - Shangani River (1848S 2754E): **NHMZ**: 33609 - Strickland Lodge (18 52 S 32 37 E): **NHMZ**: 60630 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 65147 - Warren Hills (17 52 S 30 58 E): **NHMZ**: 65160 - Willow Park (2028Bd): **NHMZ**: 54164.

Cardioderma cor (Peters, 1872)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1984-1958 - Daba: **ZMB**: 54841, T10497.

Congo (Democratic Republic of the):

Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL493.

Egypt:

Unknown locality: **ZMB**: T09371.

Eritrea:

Unknown locality: **BMNH**: 1902.9.9.7, 1956.174, 1956.175, 1956.176.

Ethiopia:

Unknown locality: **BMNH**: 1970.453, 1970.454, 1970.455, 1970.456, 1970.457, 1970.458, 1971.647_1, 1971.647_2, 1971.647_3, 1971.647_4, 1971.647_5, 1971.652, 1976.301; **SMF**: 44986, 48919, 48920, 48921, 48922, 48923, 48924, 49560, 49561, 49562, 49563, 49564, 49565, 49566, 49567, 49568, 49569, 49570, 49571 - Abaya lake, W bank (06 13 N 37 49 E): **MNHN**: ZM-MO-1972-483 A, ZM-MO-1972-483 B, ZM-MO-1972-483 C, ZM-MO-1972-483 E, ZM-MO-1972-483 F, ZM-MO-1972-483 G, ZM-MO-1972-483 H, ZM-MO-1972-483 I, ZM-MO-1972-483 J, ZM-MO-1972-483 K, ZM-MO-1972-483 L - Abaya, lake (0615N 3755E): **MNHN**: ZM-MO-1972-483 D - Abyssinia: **ZMB**: 4181 - Aselle [= Aseita] (0800N 3900E): **USNM**: 462734, 462735, 462736, 462737, 462738, 462739 - Bahadu (10 11 35 N 40 37 08 E): **USNM**: 497715, 497716, 497717, 497718, 497719, 497720, 497721 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **USNM**: 589151 - Dolo (041043N 420332E, 173 m): **USNM**: 589152 - Ghinir, 7 km from (ca. 0710N 4042E): **MNHN**: ZM-MO-1972-484,

ZM-MO-1972-484 A, ZM-MO-1972-484 D - Illala Sala, Awash-NP (0850N 4001E): **HNHM**: 95.88.3, 95.88.4, 95.88.5, 95.88.6 - Illala Sala, Awash-NP (ca. 0850N 4001E): **HNHM**: 95.88.1, 95.88.2 - Kelam (0448N 3558E, 394 m): **USNM**: 520898, 520899 - Metahara, 1 km W (08 54 N 39 55 E, 1006 m): **SMF**: 49166, 49167, 49168, 49169, 49170, 49171, 49172, 49173, 49174 - Nechisar National Park (05 56 N 37 40 E): **HZM**: 58.24687 - Negelli, 74 km E (0517N 4012E): **USNM**: 462740 - Ogaden: **USNM**: 142545, 142546.

Kenya:

Unknown locality: **BMNH**: 1910.6.2.20, 1910.6.2.21, 1910.6.2.22, 1910.6.2.23, 1910.6.2.24, 1910.6.2.25, 1910.6.2.26, 1910.6.2.27, 1910.6.2.28, 1910.6.2.29, 1962.32, 1969.200, 1969.201, 1969.202, 1975.2448, 1975.2448_1, 1975.2448_2, 1975.2448_3, 1975.2448_4, 1975.2449, 1975.2450, 1975.2451, 1975.2452, 1975.2452_1, 1975.2452_2, 1975.2453, 1975.2454, 1975.2866, 1975.944, 1979.944, 1989.246, 1989.247; **QM**: JM6246, JM6272; **ROM**: 90475; **SMF**: 19469, 25836, 25837, 48676, 48677 - "Olorgesailie" (0134S 3627E): **YPM**: MAM 005622 - Akuryo waterhole, near (0213N 3546E): **MCZ**: 51576, 51577, 51578, 51579, 51580, 51581, 51582, 51583, 51584, 51585, 51586, 51587, 51588, 51589, 51599 - Ami River (0259S 3828E, 1067 m): **ROM**: 46944 - Archer's Post (003900N 374100E, 834 m): **AMNH**: 219723 - Archer's Post (0039N 3741E): **FMNH**: 152527, 152528, 152529, 152530; **ROM**: 73260, 73261; **USNM**: 182663, 182664, 184817, 184820 - Archer's Post (0039N 3741E, 914 m): **ROM**: 68468, 68469 - Bushwacker's Safari Camp (02 19 S 38 07 E): **FMNH**: 152524, 152525 - Chep Tulel (0101N 3501E): **FMNH**: 152526 - Coast [former] province: **SMF**: 39429; **USNM**: 347409, 347418 - Coast province: **CDC**: IK_121, IK_123, IK_126, IK_127, IK_129, IK_131, IK_132, IK_137, IK_139, IK_141, IK_142, IK_143, IK_146, IK_237, IK_238, IK_239, IK_240 - Diani (041619S 393408E): **ROM**: 59197, 73578 - Diani Beach (04 18 13 S 39 35 01 E): **FMNH**: 67866, 67867, 67868, 67869; **ZMA**: MAM.21056, MAM.21057 - Gome Maria Caves (0320S 4001E): **ROM**: 79648 - Ijara, 2.5 mi SW (ca. 0136S 4031E, 225 ft): **AMNH**: 187326 - Isiolo (0020N 3736E): **ROM**: 45927, 45928, 45929, 45930 - Kalifi (033800S 395100E): **USNM**: 377051, 377052, 377053, 377054 - Kerio river (02 59 N 36 07 E): **RMCA**: 5101, 5102, 5103, 5104, 5105, 5106, 5107, 5108, 5109, 5110, 5111, 5112, 5113, 5114, 5115, 5116, 5117, 5118, 5119, 5120, 5122, 5123, 5124, 5125 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **ROM**: 77926 - Kiboko (02 11 00 S 37 43 00 E, 945 m): **USNM**: 436509, 436510 - Kiboko Campsite (00 19 03 N 36 54 39 E): **MMU**: PWW2690, PWW2698 - Kiboko, 10 mi [= 16 km] E (ca. 02 16 S 37 49 E): **USNM**: 350879 - Kiboko, 10 mi [= 16 km] E (ca. 021100S 374300E): **ROM**: 78023, 78024 - Kiboko, 10 mi [= 16 km] N (02 02 S 37 42 E, 3000 ft): **TTU**: 8304 - Kiboko, 10 mi [= 16 km] S (ca. 02 11 00 S 37 43 00 E, 914 m): **USNM**: 536110 - Kibwezi (02 25 00 S 37 58 00 E, 3000 - 4000 ft): **ROM**: 91495, 91496, 91497, 91498, 91499, 91500, 91501, 91502, 91503, 91504, 91505, 91506, 91507, 91508, 91509, 91510, 91511, 91512, 91513, 91514, 91515, 91516, 91517, 91518, 91519, 91520, 91521, 91522, 91523, 91524, 91525, 91526, 91527, 91528, 91529, 91530, 91531, 91532, 91533, 91534, 91535, 91536, 91537, 91538, 91539, 91540, 91541, 91542, 91543, 91544, 91545, 91546, 91547, 91548, 91549, 91550, 91551, 91552, 91553, 91554, 91555, 91556, 91557, 91558, 91559, 91560, 91561, 91562, 91563, 91564, 91565, 91566, 91567, 91568, 91569, 91570, 91571 - Kibwezi, near (ca. 02 25 S 37 58 E, 3500 ft): **AMNH**: 184336, 184337, 184338, 184339 - Kilifi (03 38 00 S 39 51 00 E, 61 m): **WAM**: M16570 - Kilifi (03 38 S 39 51 E, 61 m): **WAM**: M21221 - Kilifi (0338S 3951E, 61 m): **ROM**: 36297, 36298, 36299, 36300, 36301, 36302, 36303, 36304, 36305 - Kilifi cave (033800S 395100E): **USNM**: 350878, 536109 - Kilifi Creek (0338S 3951E): **FMNH**: 152523 - Kilifi Creek, head of (0335S 3947E): **FMNH**: 152518; **ROM**: 38428; **WNMU**: 1302 - Kilifi, 1 mi [= 1.6 km] N (ca. 033800S 395100E, 15 m): **USNM**: 536113, 536114 - Kilifi, 1.5 mi [= 2.4 km] N (033800S 395100E, 50 m): **FMNH**: 152520; **USNM**: 536112 - Kilifi, 2 mi W (0338S 3951E): **FMNH**: 152521, 152522 - Lake Hannigton, 3 mi W (0016N 3604E, 1067 m): **USNM**: 436511, 436512, 436513, 436514, 436515 - Lake Hannington (00 15 32 N 36 06 06 E, 1500 m): **WAM**: M16501 - Lake Magadi (0152S 3617E): **ROM**: 36296 - Lake Magadi (0152S 3617E, 610 m): **FMNH**: 67870, 67871, 67872; **ROM**: 78025 - Lamu Island (02 16 49 S 40 51 29 E): **FMNH**: 43314; **MCZ**: 31825, 31826, 31827, 31828, 31829, 31830, 31831, 31832, 31833, 31835, 31838 - Lamu town, NW of (ca. 02 16 42 S 40 54 12 E, 1 m): **MSU**: MR.33421, MR.33422, MR.33423, MR.33424, MR.33425, MR.33426 - Magadi (0153S 3618E, 595 m): **USNM**: 536111 - Makindu (0217S 3749E, 1070 m): **CUMV**: 14592, 14593, 14594, 14595, 14596, 14597, 14598, 14599, 14600, 14601, 14602, 14603, 14604, 14605, 14606, 14607, 14608, 14609, 14610, 14611, 14612, 14613, 14614, 14615, 14616, 14617, 14618, 14619, 14889, 14890, 14891, 14892, 14893, 14896, 14905, 15017, 21177; **ROM**: 91342, 91343, 91344, 91345, 91346, 91347, 91348, 91349, 91350, 91351, 91352, 91353, 91354, 91355, 91356, 91357, 91358, 91359, 91360, 91361, 91362, 91363, 91364, 91365, 91366, 91367, 91368, 91369, 91370, 91371, 91372 - Maningi (0052S 3954E): **ROM**: 77925, 78018, 78019; **USNM**: 350874 - Masabubu (011247S 400103E, 93 m): **AMNH**: 187333, 187334, 187337 - Masabubu, 0.5 mi E (ca. 0112S 4001E, 225 ft): **AMNH**: 187327, 187328, 187329, 187330, 187331, 187332, 187335, 187336, 187338 - Mombas [=Mombassa] (0403S 3940E): **ZMB**: 5073, 5430 - Mount Elgon (ca. 010043N 344415E, 975 m): **ROM**: 66625 - Ngombeni [caves] (04 07 49 S 39 36 51 E, 31 m): **FMNH**: 152519; **ROM**: 45926; **USNM**: 350876, 351214, 536107, 536108 - Ngomeni (030012N 401128E): **ROM**: 73243, 73244, 73245 - Nyala Beach Hotel (0404S 3940E): **YPM**: MAM 003091 - Olorgasailie (0134S 3627E): **USNM**: 350873 - Ramu (035515N 411309E, 366 m): **ROM**: 75615, 75619 - Sebaki river (03 09 S 38 00 E): **RMCA**: 2094 - Shimba Hills (forest) (04 14 S 39 25 E): **ZMA**: MAM.20821 - Shimoni (04 38 50 S 39 23 00 E, 0 m): **ROM**: 38404, 38405, 78022 - Shimoni cave (04 38 50 S 39 23 00 E, 0 m): **USNM**: 350875, 536105, 536106 - Suam River, Korau (0306N 3606E, 609 m): **ROM**: 66044, 66045, 66046 - Suyan Lugga (00 10 S 37 20 E, 1219 m): **ROM**: 46937, 46938, 46939, 46940, 46941, 46942, 46943 - Taveta (0323S 3740E): **USNM**: 18994 - Tiwi (04 14 S 39 35 E, 5 m): **FMNH**: 86594, 86595, 86596, 86597, 86598 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **USNM**: 589821, 589822, 589823; **ZMA**: MAM.21048, MAM.21049 - Tsavo East-NP, Rhino Corner (024700S 382600E): **ROM**: 79649 - Ukunda, 1 km S, 0.5 km E (0417S 3934E): **MCZ**: 59778, 59779, 59873 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **CAS**: 11923, 11924, 11925, 11926, 11927 - Watamu (03 21 S 40 01 E, 0 m): **AMS**: M.29939; **ZMA**: MAM.20815, MAM.20816, MAM.20817, MAM.20818, MAM.20819, MAM.20820.

Somalia:

Unknown locality: **BMNH**: 1934.9.14.1, 1987.79 - Gelib (0026N 4248E): **USNM**: 543377 - Hargeisa (0933N 4404E, 4000 ft): **CAS**: 11915, 11916, 11917, 11918, 11919, 11920, 11921, 11922 - Hargeisa (093500N 440400E, 1277 m): **AMNH**: 276147 - Mallable (0212N 4537E, 5 m): **USNM**: 543378 - Snai Sugar Plantation (02 46 N 45 31 E): **BRTC**: 41937; **TTU**: 36356 - Unknown locality (2.8 N 44.08 E): **BMNH**: 2008.3.

South Sudan:

Kapoeta (0450N 3335E): **FMNH**: 79589 - Lodwara (0411N 3307E): **FMNH**: 66661, 66662, 66663, 66664; **USNM**: 368892, 368893 - Loelli (0505N 3435E): **FMNH**: 68048, 68049, 68050, 68051, 68052, 68053, 68054, 68055 - Mura (0448N 3242E, 634 m): **FMNH**: 67328, 67329 - Murukurun (0420N 3320E, 1080 m): **FMNH**: 67330, 67331, 68046, 68047 - Talanga forest (0400N 3244E, 914 m): **FMNH**: 68045 - Torit District (ca. 0425N 3235E, 3000 ft): **AMNH**: 184498.

Sudan:

Telaweit (1524N 3625E): **FMNH**: 99547.

Tanzania:

Unknown locality: **BMNH**: 1964.1475, 1964.1476, 1964.1477, 1964.1478, 1964.1479, 1964.1480, 1964.1481, 1964.1482; **TM**: 14013, 14014, 14015 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **YPM**: MAM 002143 - Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187220 - Mbulu (035100S 353200E, 1772 m): **FMNH**: 48673, 48674 - Mbuya Mingi Campsite, near (0350S 3600E, 1060 m): **FMNH**: 158010, 158011 - Mkalama (0407S 3438E): **MCZ**: 22780 - Shinyanga region: **SMF**: 74245 - Tanga (05 04 00 S 39 06 00 E, 0 m): **FMNH**: 152531; **ROM**: 68470, 68471, 77927, 77928, 77929, 77930, 77931, 77932, 78020, 78021, 78026, 78027, 78028, 91164; **SMF**: 79531; **USNM**: 351320 - Tanga region: **SMF**: 56324, 56325, 56326, 56327 - Unknown locality (0428Ba): **TM**: 13552 - Usambara mountains (044500S 383000E): **MNHN**: ZM-MO-1895-398, ZM-MO-1897-1519, ZM-MO-1897-1520, ZM-MO-1897-1521, ZM-MO-1897-1522, ZM-MO-1897-1523.

Uganda:

Unknown locality: **BMNH**: 1936.1.4.3, 1936.11.4.5 - Turkwell River (ca. 01 13 00 N 34 43 00 E): **BMNH**: 1936.11.4.4 - Yumbe (0327N 3115E): **ZMB**: T09625, T10366.

Lavia frons (E. Geoffroy St.-Hilaire, 1810)

"Africa":

Unknown locality: **AMS**: AR.20507; **HZM**: 30.25025; **MNHN**: ZM-AC-A6844, ZM-MO-1947-835, ZM-MO-1984-1949, ZM-MO-1984-1955, ZM-MO-1984-1956, ZM-MO-1984-1957, ZM-MO-1985-280, ZM-MO-1986-371, ZM-MO-1986-372; **RMCA**: 2822 - Galpa river: **ZMB**: 67857 - Gambi Kayes: **MNHN**: ZM-MO-1920-234 - Karagwa: **ZMB**: 67886, 67887, 67888, 67889, 67890, T09304 - West coast of Africa: **MNHN**: ZM-MO-1859-145.

Benin:

Unknown locality: **MNHN**: ZM-MO-1912-444 A, ZM-MO-1912-444 B, ZM-MO-1924-143, ZM-MO-1924-144AC - Pendjari Park (ca. 1120N 0130E): **ROM**: 83956 - Porto-Novo (0629N 0237E, 38 m): **MCZ**: 46107, 46108, 46109.

Burkina Faso:

Cella, 1 km N (11 38 N 00 22 W, 230 m): **RMCA**: 97.077-M-3171; **USNM**: 452835, 452836, 452837, 452838, 452839, 452840, 452841, 452842, 452843, 452844, 452845, 452846, 452847, 452848, 452849, 452850, 452851, 452852, 452853, 452854, 452855, 452856, 452857, 452858, 452859, 452860, 452861, 452862, 452863, 452864, 452865, 452866, 452867, 452868, 452869 - Nobéré, 9 mi S (ca. 1126N 0110W): **USNM**: 450673, 450674.

Burundi:

Bujumbura (03 23 00 S 29 22 00 E, 794 m): **RMCA**: 35152 - Resha (0354S 2924E): **SMF**: 57496, 57497 - Russissi, bank [=Rusizi delta] (03 16 S 29 14 E): **RMCA**: 82.016-M-0146.

Cameroon:

Unknown locality: **BMNH**: 1923.1.22.13, 1923.1.22.14; **ZMB**: 67853, 67875 - Akonolinga (0346N 1215E): **ZMB**: 54495 - Biggil (ca. 12 04 37 N 15 01 50 E): **MNHN**: ZM-MO-1957-576 - Bitye (03 01 00 N 12 22 00 E, 616 m): **RMCA**: 1470 - Edéa (0348N 1014E): **ZMB**: 54846 - Galim (07 06 00 N 12 29 00 E, 1120 m): **RMCA**: 73.016-M-0419 - Koza (10 52 08 N 13 52 51 E, 485 m): **RMCA**: 75.003-M-0098, 75.003-M-0141 - Marua (10 35 44 N 14 19 29 E, 384 m): **SMF**: 6288 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0679, 73.015-M-0680, 73.015-M-0681, 73.015-M-0682, 73.015-M-0683, 73.015-M-0684, 73.015-M-0685, 73.015-M-0686, 73.015-M-0687, 73.015-M-0688, 73.015-M-0689, 73.015-M-0690, 73.015-M-0691, 73.015-M-0692, 73.015-M-0693, 73.015-M-0694, 73.015-M-0695, 73.015-M-0696, 73.016-M-0416, 73.016-M-0417, 73.016-M-0418, 73.017-M-0315, 73.017-M-0316, 73.017-M-0317, 73.017-M-0318, 73.017-M-0319.

Central African Republic:

Unknown locality: **BMNH**: 1979.2033 - Gordil (09 36 42 N 21 41 12 E): **MNHN**: ZM-MO-1984-1950 - Gounda (Camp) (090300N 211200E): **MNHN**: ZM-MO-2000-893.

Chad:

Unknown locality: **BMNH**: 1975.2459; **SMF**: 6370 - Fort Archambault (09 09 00 N 18 23 00 E, 347 m): **FMNH**: 49830, 49831; **SMF**: 12552, 15457; **USNM**: 301935 - Fort Archambault, 30 mi [=48 km]N (ca. 09 10 N 18 23 00 E): **AMNH**: 165815, 165816 - Fort Lamy (12 06 47 N 15 02 57 E): **MNHN**: ZM-MO-1949-289, ZM-MO-1956-638 - Goré (0755N 1642E): **ZMB**: 20855 - Kosakobo: **AMNH**: 165817 - Melfi (11 03 35 N 17 55 59 E, 390 m): **SMF**: 6371, 6372, 6373, 6374, 6375, 6377, 6378, 6379 - N'Djamena (12 06 47 N 15 02 57 E, 1962 m): **MNHN**: ZM-MO-1962-1094 A, ZM-MO-1962-1094 B - Sarh (09 09 00 N 18 23 00 E, 347 m): **MNHN**: ZM-MO-1905-50 A, ZM-MO-1905-50 B.

Congo (Democratic Republic of the):

Unknown locality: **RBINS**: 6279.1, 6279.2 - Albertville (0556S 2912E, 763 m): **RBINS**: 9067; **RMCA**: 29298, 29299 - Bagbele Moko (04 21 N 29 17 E, 742 m): **RBINS**: 13632, 13640 - Bambesa (03 28 00 N 25 43 00 E, 614 m): **RMCA**: 14679 - Baraka, 5 mi N (ca. 04 05 30 S 29 05 15 E): **CAS**: 12487, 12526 - Bauelendu (00 16 00 N 29 36 00 E, 925 m): **RMCA**: 37140, 37141 - Bauelendu (00 16 N 29 36 E, 925 m): **INPBC**: W1358, W1360 - Beni (00 30 00 N 29 28 00 E, 853 m): **RMCA**: 15303 - Bokoro (02 50 00 S 18 23 00 E, 252 m): **RMCA**: 21520 - Bomili (0140N 2701E, 444 m): **MCZ**: 38026 - Bosodula (04 17 00 N 20 29 00 E, 599 m): **RMCA**: 17752 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 16571 - Catchpole's Farm (ca. 0128N 3004E, 1280 m): **FMNH**: 30703, 30704, 30705 - Cel I (04 21 00 N 29 17 00 E, 742 m): **INPBC**: 1441; **RBINS**: 13634, 13635, 13642, 13643; **RMCA**: 36938, 36939, 36940, 36945 - Cel II (ca. 03 55 00 N 29 22 00 E): **INPBC**: 4392; **RBINS**: 13645, 13646, 13647, 13652, 13655; **RMCA**: 36942, 36943 - Dubulu (04 18 00 N 20 16 00E, 613 m): **RMCA**: 11697 - Edouard,lac (00 07 S 29 35 E): **RBINS**: 17297, 17298 - Embe (04 40 N 29 31 E): **RBINS**: 13653, 13654 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49071, 49072, 49073, 49074, 49075, 49076, 49077, 49078, 49079, 49080, 49081, 49082, 49083, 49084, 49086, 49087, 49088, 49089, 49090, 49091, 49284, 49382, 49383, 49384, 49420; **KU**: 125198; **RMCA**: 12359, 9049, 9050 - Gangala (034100N 290800E, 701 m): **RMCA**: 27431, 27432, 27433, 27434 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 13629, 13631, 8182, 8183, 8184, 8206; **RMCA**: 25606, 25607, 36937 - Garamba National Park (04 10 00 N 29 30 00 E): **RMCA**: 36949 - Goma (01 40 45 S 29 13 22 E, 1499 m): **RBINS**: 15453 - Ishango River (080000S 293600E, 950 m): **RMCA**: 37129, 37130 - Ishango-Nyakazi (00 08 S 29 35 E, 950 m): **INPBC**: V96 - Kabalo (06 03 00 S 26 55 00 E, 530 m): **RMCA**: 9173, 9174, 9175 - Kalina (04 22 00 S 15 17 00 E, 128 m): **RMCA**: 18724 - Kamande (00 35 00 S 29 18 00 E, 925 m): **RBINS**: 4774 - Kambukabakali (00 01 00 S 29 36 00 E, 930 m): **RMCA**: 37138 - Kanyatsi (00 08 00 S 29 37 00 E, 940 m): **INPBC**: W541; **RMCA**: 37133 - Kasaka (00 05 N 29 36 E, 900 m): **ZMB**: 67896, 67897 - Kasengi (02 08 11 N 31 05 06 E, 1532 m): **AMNH**: 82385, 82386 - Kasenye, 10 km N (ca. 01 25 N 30 25 00 E): **RBINS**: 15454 - Kasenyi (0124N 3026E, 671 m): **RBINS**: 10543, 10544, 10545; **RMCA**: 15958 - Kasindi (00 02 10 S 29 42 49 E, 1049 m): **INPBC**: W978; **RMCA**: 37137; **ZMB**: 67860 -

Kasindi-port (00 02 10 S 29 42 49 E, 1049 m): **RMCA**: 37131, 37132 - Katanda (00 50 54 S 29 22 08 E, 975 m): **RBINS**: 17296; **RMCA**: 12164 - Katanda Road, km 411 (01 00 S 29 00 00 E): **RMCA**: 12028 - Katobwe (08 54 S 26 04 E, 610 m): **FMNH**: 29404, 29405, 29406, 29407 - Kawa forest (0134N 3032E, 753 m): **RMCA**: 21461 - Kiavikire (00 24 00 N 29 46 00 E, 1553 m): **RMCA**: 37142 - Kishero (00 11 00 N 29 39 00 E, 925 m): **RMCA**: 37143, 37144 - Kivu mountains (ca. 02 00 S 28 45 E): **MNHN**: ZM-MO-1985-278, ZM-MO-1985-279 - Kyavinionge (00 07 00 S 26 36 00 E, 935 m): **INPBC**: W973; **RMCA**: 37136 - Liki (00 07 S 029 34 E): **RBINS**: 15456.1, 15456.2, 15462.1, 15462.2 - Lomera (00 07 00 N 29 35 00 E, 915 m): **INPBC**: W1305, W1307, W583; **RMCA**: 37135, 37139 - Lulenga (01 24 47 S 29 22 23 E, 2089 m): **RMCA**: 9182 - Mabereri river (03 05 N 29 22 E): **RBINS**: 8205 - Mabwe (08 39 00 S 26 31 00 E, 574 m): **RBINS**: 10690, 10691, 10692, 10693, 10694, 10695, 10696, 10697, 10698, 10699, 10700, 10701, 10702, 10703, 10804 - Mahagi Port (020900N 311400E, 679 m): **AMNH**: 180906; **RMCA**: 15959, 9003, 9005, 9006, 9007, 9008, 9009, 9010, 9011, 9060 - Maka (08 56 00 S 26 04 00 E): **RMCA**: 18045 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0336, 93.079-M-0337, 93.079-M-0338, 93.079-M-0339, 93.079-M-0340 - May Ya Moto (00 14 N 29 43 E, 950 m): **RMCA**: 16628, 16629 - Molindi river (01 09 S 29 19 E, 1000 m): **RBINS**: 4773 - Mongbwalu (01 57 00 N 30 02 00 E, 1374 m): **RMCA**: 12246 - Mulongo (07 50 S 27 00 E, 578 m): **HZM**: 26.7791; **RMCA**: 10516 - Museya (00 04 00 N 29 22 00 E, 1737 m): **INPBC**: W546; **RMCA**: 37134 - Mutwanga (002000N 294500E, 1338 m): **RMCA**: 12170, 16601 - Nagbarama (04 17 00 N 29 32 00 E): **RMCA**: 36941, 36944 - Nagero (03 45 N 29 31 E, 753 m): **RBINS**: 14626 - Nasosurro River: **MNHN**: ZM-MO-1939-197 - Ndote (00 11 N 29 39 E, 940 m): **INPBC**: W1382 - Ndotwe (00 12 S 29 28 E): **INPBC**: V1438 - Parc National de Garamba (04 10 N 29 30 E): **RBINS**: 13644, 13648 - PFSK 8 (04 02 00 N 29 51 00 E): **RMCA**: 36946, 36947 - PFSK.8 (04 20 N 29 51 E): **RBINS**: 13650.1, 13650.2 - Rwindi (00 47 05 S 29 17 26 E, 1027 m): **RMCA**: 16630, 16631 - Sabe (01 23 N 30 26 E, 700 m): **RBINS**: 10546 - Semmio (05 03 00 N 27 07 00 E): **RMNH**: MAM.35983 - Senga (01 40 S 28 07 E, 950 m): **INPBC**: W551 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 16263 - Tore (04 20 00 N 29 50 00 E): **RBINS**: 13651; **RMCA**: 36948 - Uvira (032424S 290845E, 746 m): **RMCA**: 22753, 22754 - Vitshumbi (00 40 56 S 29 23 12 E, 907 m): **RBINS**: 4775, 4776, 4777; **RMCA**: 12268, 12269 - Volcan du Kivu (01 31 19 S 29 14 58 E): **MNHN**: ZM-MO-1911-1019 A - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT2363.

Côte d'Ivoire:

Zebé or Zégbé (05 09 49 N 05 35 20 W): **MNHN**: ZM-MO-1985-277.

Egypt:

Unknown locality: **ZMB**: 67851.

Ethiopia:

Unknown locality: **BMNH**: 1970.2200_1, 1970.2200_2, 1970.2200_3, 1971.1496, 1976.302; **SMF**: 45003, 45004, 49559 - Abaya lake, W bank (06 13 N 37 49 E): **MNHN**: ZM-MO-1972-485 A, ZM-MO-1972-485 B - Abaya, lake (0615N 3755E): **ZMB**: 67881, 67894, 67895 - Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189541, S-189542 - Bottego Highlands (0709N 3742E): **ZMB**: 67882, 67883 - Fashodo: **ZMB**: 3797 - Galana river (06 07 N 37 55 E): **ZMB**: 67878, 67879 - Gambela (08 15 N 34 35 E, 514 m): **USNM**: 462741, 462742, 497604, 497605, 497606, 497607, 497608, 497722, 497723, 497724, 497725, 497726, 497727 - Kapseta (ca. 06 00 N 35 50 E): **MNHN**: ZM-MO-1985-276 - Kelam (0448N 3558E, 394 m): **USNM**: 520900, 520901 - Lake Abaya (0615N 3755E): **AMNH**: 81096, 81097 - Negelli, 74 km E (0517N 4012E): **USNM**: 462743 - Omo valley (ca. 06 00 N 35 50 E): **MNHN**: ZM-MO-1978-144, ZM-MO-1978-145.

Gabon:

Mouila (01 52 S 11 01 E, 156 m): **MNHN**: ZM-MO-1948-487.

Ghana:

Unknown locality: **BMNH**: 1898.10.24.4, 1976.735; **RMNH**: MAM.35977 - Accra (05 33 N 00 13 W, 98 m): **ZMB**: 3592, 4787, 67899 - Achimota Forest Reserve (05 40 N 00 12 W): **USNM**: 412000 - Bechem (07 05 N 02 02 W, 293 m): **ROM**: 52050 - University of Ghana (053900N 001100W): **USNM**: 411995, 411996, 411997, 411998, 411999, 412001, 412002, 412003, 414166, 439940.

Guinea:

Unknown locality: **ZMB**: 3560.

Kenya:

Unknown locality: **BMNH**: 1899.2.11.1, 1901.8.9.90, 1902.2.1.1, 1902.7.6.2, 1906.12.4.12, 1906.12.4.13, 1906.12.4.14, 1906.12.4.15, 1910.7.2.17, 1910.7.2.18, 1912.7.1.3, 1912.7.1.4, 1912.7.1.5, 1912.7.1.6, 1912.7.1.7, 1926.5.12.17, 1947.664, 1968.69, 1969.205, 1975.2458, 1975.2775, 1978.935; **QM**: JM6240; **RMNH**: MAM.31908; **WAM**: M16561 - Amboseli (024000S 371700E, 1152 m): **AMNH**: 219724 - Athi river (0259S 3831E): **FMNH**: 17211, 17212, 21281, 21282; **ROM**: 35314, 77914, 91163 - Athi river (0259S 3831E, 1528 m): **ROM**: 77917 - Athi River Town, 1 mi S (0127S 3659E): **USNM**: 536115, 536116, 536117 - Athi Station (0127S 3659E, 1528 m): **ROM**: 77915; **USNM**: 166646 - Baringo (00 38 00 N 36 16 00 E, 1303 m): **RMCA**: 5121 - Coast [former] province: **SMF**: 49558 - Donyo Sabuk (01 08 S 37 16 E): **ROM**: 63881 - Embu Boma: **SMF**: 19859 - Ewaso Ngi'ro (0035N 3732E): **USNM**: 162088 - Ferguson's Gulf (033100N 355500E): **AMNH**: 237378 - Galma Galla, 1.5 mi W (ca. 0112S 4047E, 270 ft): **AMNH**: 187339, 187340, 187341 - Golbanti (022724S 401209E, 11 m): **MCZ**: 31837 - Guaso Nyiro (0035N 3732E): **MCZ**: 16090, 8877, 8878 - Guaso Nyiro, plains (ca. 0035N 3732E): **MCZ**: 8266, 8267, 8268, 8269, 8270 - Guaso Nyro River, 10 mi SW (6150 ft): **AMNH**: 114098 - Hoey's bridge (00 52 34 N 35 07 13 E, 1822 m): **WAM**: M16544 - Isiola: **TM**: 9303 - Isiolo (0020N 3736E): **USNM**: 351215 - Isiolo, 15 mi N (0035N 3736E): **YPM**: MAM 003083, MAM 003084, MAM 003085 - Isiolo, 6 mi N (0025N 3736E): **YPM**: MAM 003082 - Kaijido district: **ROM**: 79650 - Kaimosi (00 08 S 34 47 E): **MCZ**: 31133 - Kampi Ya Samaki (003600N 360100E, 914 m): **ROM**: 68663, 68664 - Kanapoi (0345N 3615E): **MCZ**: 52243 - Kanyangareng (01 47 00 N 35 08 00 E, 610 m): **ROM**: 40217, 40218, 40219, 40220 - Katalembo (0131S 3712E): **USNM**: 162089 - Kau [Osi river] (0229S 4026E): **ZMB**: 5594 - Kavirondo [Gulf] (0015S 3435E): **ZMB**: 11392 - Kavirondo Bay (001500S 343500E): **MCZ**: 16091, 16092 - Kazita River (001558S 380011E): **MCZ**: 16089 - Kiabasi (1900 ft): **AMNH**: 114483 - Kiboko (02 11 00 S 37 43 00 E, 945 m): **USNM**: 436516 - Kiboko Campsite (00 19 03 N 36 54 39 E): **MMU**: PWW2688, PWW2689, PWW2691, PWW2692, PWW2693, PWW2699, PWW2700, PWW2702 - Kilifi (0338S 3951E, 61 m): **ROM**: 36295 - Kinna (0019N 3812E, 3000 ft): **CAS**: 11928 - Kisumu (0006S 3445E): **USNM**: 182659, 182660, 182661, 182662, 184321, 184322 - Kitau (021807S 405622E): **MCZ**: 31836 - Kitoko River: **ROM**: 71261 - Kornpuoamaki (003600N 360100E, 1054 m): **USNM**: 436518 - Kyamunyuu (013928S 371821E): **ROM**: 71428 - Lake Magadi, 3 mi E (ca. 0152S 3617E): **USNM**: 308742, 308743, 308744 - Lake Magadi, near (ca. 0152S 3617E): **USNM**: 308745 - Loiyangalani, 29 mi N: **AMNH**: 212341 - Lukenia (0129S 3703E): **FMNH**: 152532 - Magadi (0153S 3618E, 595 m): **ROM**: 71103, 71104, 71105 - Maji Moto (0013N 3606E, 1102 m): **USNM**: 436517 - Manda island (0217S 4057E): **ZMB**: T10474 - Mara River: **AMNH**: 184340, 184341, 184342 - Marigat (002800N 355900E, 1062 m): **ROM**: 75458 - Masabubu, 0.5 mi E (ca. 0112S 4001E, 225 ft): **AMNH**: 187342, 187343, 187344 - Meru (0003N 3739E, 1581 m): **MCZ**: 8876 - Mkonumbi (021844S 404204E): **MCZ**: 31839 - Molo river (0155S 3545E, 1067 m): **ROM**: 75505, 75506 - Mpala Research Center (001953N

365221E): **MVZ**: 186195 - Ngare Ndare [Farm] (001400N 342100E, 1725 m): **AMNH**: 178923, 178924, 178925 - Ngore Ngore (0102S 3530E, 1932 m): **MSU**: MR.11561, MR.11562 - Nguruman Escarpment (0145S 3602E): **ZMB**: 11391, 11394, 67836, 67839 - Northern Guaso Nyiro (0006S 3713E): **AMNH**: 54410, 54411; **MCZ**: 16094, 16095 - Nyama Yango (0054N 3735E): **FMNH**: 152533 - Ol Tukai lodge (024001S 371700E): **MSU**: MR.9814, MR.9815, MR.9816, MR.9817 - Olkenyie (0113S 3528E): **YPM**: MAM 003086, MAM 003087 - Pyramid Camp (00 18 34 N 36 04 34 E): **MMU**: PWW2717, PWW2719, PWW2720 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 63890 - Rumuruti (0016N 3632E, 1821 m): **ROM**: 28160, 28161 - Sand River (camping site) (ca. 01 33 23 S 35 01 47 E): **ZMA**: MAM.21662 - Sotik (0041S 3507E): **USNM**: 166641, 181480, 181481, 181482 - South Nguasso Nyiro river: **USNM**: 162077, 162078, 162079, 162080, 162081, 162082, 162083, 162084, 162085, 162086, 162087, 166642, 166643, 166644, 166645, 166652, 166653, 166654, 166655 - Sultan Hamud (0202S 3723E, 1371 m): **ROM**: 77916 - Talek Gate (01 26 S 35 04 E): **ZMA**: MAM.21659, MAM.21660 - Tana River (023149S 403126E): **MCZ**: 16088 - Taveta (0323S 3740E): **USNM**: 18992, 18993/38197 (Holotype *Lavia rex*) - Thekla River (023149S 403126E): **AMNH**: 30773 - Uasin Gishu District (003000N 352000E, 6000 ft): **AMNH**: 34796, 34797 - Ukamba [=Kitui] (0122S 3801E, 1160 m): **ZMB**: 5260 - Ulucania Hills (0129S 3703E): **USNM**: 166647, 166648, 166649 - Yatter (02 18 00 S 38 13 00 E): **RMCA**: 35266.

Liberia:

Fanti (0507N 0857W): **ZMB**: 4476.

Malawi:

Karonga (09 56 S 33 56 E, 477 m): **HZM**: 14.2622 - Karonga beach (09 56 00 S 33 56 00 E, 477 m): **ZMA**: MAM.28342.

Niger:

Diffa region: **SMF**: 65761 - Talantégou (12 29 45 N 02 44 44 E, 166 m): **BRTC**: 27850 - Talantégou (122945N 024444E, 166 m): **UCM**: 15185.

Nigeria:

Unknown locality: **BMNH**: 1906.7.18.1, 1906.7.18.2, 1908.10.6.2, 1908.10.6.3, 1912.11.7.1 - Dikwa, 31 mi NE (1201N 1355E): **USNM**: 378816, 378817 - Kano (1200N 0831E): **ROM**: 77740 - Lake Pandam (08 39 21 N 08 58 10 E): **ZMA**: MAM.18367, MAM.18368 - Molai Forest Reserve (11 44 04 N 13 05 44 E): **HZM**: 9.9664.

Rwanda:

Colline Musha (= Musha) (02 31 40 S 29 51 54 E): **MHNG**: 921.031, 921.032 - Gabiro (01 31 00 S 30 28 00 E, 1400 m): **RMCA**: 17085, 17086 - Gakoma (mission) (022847S 295516E): **RMCA**: 18997 - Kagera National Park (01 30 S 30 30 E): **RBINS**: 4778, 4779, 4780 - Karama (021600S 301600E): **RMCA**: 82.006-M-0928, 82.006-M-0931 - Katjumbura (013300S 304400E): **RMCA**: 17087 - Kibuye (020320S 292059E, 1457 m): **RMCA**: 80.055-M-0171 - Kimuna (02 32 50 S 29 43 44 E, 1788 m): **RBINS**: 16004 - Kissenji [=Gisenyi] (014115S 291517E, 1450 m): **ZMB**: 67844.

Senegal:

Unknown locality: **MNHN**: 928 (Holotype *Megaderma frons*), 929 (Paratype *Megaderma frons*), 929.C (Paratype *Megaderma frons*), 929.D (Paratype *Megaderma frons*), ZM-AC-A6927, ZM-MO-1858-2066 - Ndoro: **ZMB**: 67842 - Nieki-Ko (13 11 00 N 13 21 00 W): **RMCA**: 81.003-M-0004 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1995-1817.

Sierra Leone:

Unknown locality: **USNM**: 14529.

Somalia:

Unknown locality: **BMNH**: 1908.7.24.8, 1934.9.14.2, 1934.9.14.3 - Afgoi (020900N 450700E, 77 m): **MNHN**: ZM-MO-1938-839, ZM-MO-1938-840 - El Bur to El Der, road between (ca. 0440N 4630E): **TM**: 12835, 12837 - El-Bur (0440N 4630E): **TM**: 12834, 12836, 12838, 12839 - Kismaju [=Kismayu] (0025S 4231E): **ZMB**: 67867, 67870 - Mallable (0212N 4537E, 5 m): **USNM**: 543379, 543380, 543381 - no specific locality: **ZMB**: T10221.

South Sudan:

Abukika (ca. 0655N 3100E): **USNM**: 252717, 252718, 252719 - Akona, E. bank (see Koopman, 1975: 434) (ca. 1130N 3240E): **AMNH**: 82227 - Akona, W. bank (see Koopman, 1975: 434) (ca. 1130N 3240E): **AMNH**: 82231, 82232, 82234 - Gemeiza (0550N 3150E): **USNM**: 252720, 252721 - Gondokoro (0454N 3140E): **USNM**: 166622; **ZMB**: 54346 - Kaka (1035N 3210E): **BMNH**: 1901.8.8.3 (Holotype *Lavia frons affinis*) - Kaka (1041N 3213E): **USNM**: 252724, 252725, 252726 - Kaka, 7 mi [= 11 km] S (103600N 321100E): **USNM**: 252713 - Lado [=Lado, Jabal, Mount Lado] (0506N 3135E): **ZMB**: 54331, 67855, 67866 - Lake No, below (ca. 093000N 302800E): **USNM**: 166623, 166624 - Malakal (09 32 13 N 31 39 22 E, 276 m): **ZMA**: MAM.20435 - Mnyouri Jardin: **USNM**: 164938 - Mongalla (051057N 314500E, 466 m): **ROM**: 77210; **USNM**: 297480 - Niayok (100735N 321803E, 367 m): **FMNH**: 99215, 99216, 99217, 99218, 99219 - Nimule (0335N 3203E): **USNM**: 166509, 166638 - Nyibor, Lake (06 55 N 30 10 E): **AMNH**: 184331, 184332, 184333, 184334, 184335, 184510, 184511, 184512, 184513, 184514, 184515, 184516, 184517 - Renk (1148N 3240E): **USNM**: 166625, 166626 - Shambe (0708N 3048E): **USNM**: 166639, 166640 - Sim Sima (ca. 0525N 3145E): **AMNH**: 82263 - Sim Sima (see Koopman, 1975: 435) (ca. 0525N 3145E): **AMNH**: 82262 - Terrakka (052707N 314514E, 436 m): **USNM**: 252722 - Torit (0427N 3231E, 610 m): **FMNH**: 153546, 66622, 66623, 66624, 66625, 66626, 66627, 66628, 66629, 66630, 66631, 66632, 66633, 66634, 66635, 66636, 66637, 66638, 66639, 66640, 66641, 66642, 66643, 66644, 66645, 66646, 66647, 66648, 66649, 66650, 66651, 66652, 66653, 66654, 66655, 66656, 66657, 66658, 66659, 66660, 67327, 67507, 67508 - Torit district (ca. 042448N 323404E): **USNM**: 368894, 368895, 368896, 368897, 368898, 368899, 368900, 368901, 368902, 368903, 368904, 368905, 368906, 368907, 368908, 368909, 368910, 368911, 368912 - Uma River (035725N 314230E): **USNM**: 166604 - Umbarbit (105323N 323246E): **USNM**: 252727, 252728, 252729, 252730.

Sudan:

Unknown locality: **BMNH**: 1868.3.9.2, 1882.2.3.1, 1900.3.3.1, 1900.3.3.2, 1901.8.8.2, 1901.8.8.4, 1901.8.8.5, 1902.7.4.5, 1914.3.8.12, 1915.3.6.2, 1915.3.6.3, 1917.10.4.1, 1920.5.27.1, 1921.1.8.1, 1921.4.18.3; **SMF**: 1323 - Abu Tiga Forest Reserve (12 46 N 34 09 E): **SMF**: 32974, 32975, 32976, 32978, 32980, 32981 - Abu Zor (1222N 3422E, 450 m): **MCZ**: 14452 - Dongola (1910N 3027E): **ZMB**: 3043 - Dulaba: **USNM**: 252723 - El Abrad: **MCZ**: 14606, 14607 - El Gueisi (13 21 N 34 07 E, 396 m): **SMF**: 32982, 32983, 32984, 33000 - Fung (124138N 340857E): **ROM**: 62609 - Musran Island (124714N 324652E): **AMNH**: 82223, 82224, 82225, 82226, 82228, 82229, 82230, 82233 - Musran Island, North end (124714N 324652E): **AMNH**: 82345, 82346, 82347, 82348, 82349, 82350, 83389, 83390 - Nubia (ca. 20 00 N 32 00 E): **ZMB**: 3035 - Ronga Forest Reserve (13 16 N 33 54 E): **SMF**: 32994, 32998 - Sennar (13 33 N 33 38 E, 390 m): **SMF**: 12277, 12279, 12284; **ZMB**: 67872 - Sherkeila (1249N 3125E, 436 m): **ROM**: 77209 - Singa (1309N 3356E, 397 m): **MCZ**: 14450, 14451 - Subeigh Forest Reserve (12 27 N 34 12 E): **SMF**: 32985, 32986, 32987, 32988, 32989, 32990, 32991, 32992, 32993, 32995, 32996, 32997, 32999 - Telaweit (1524N 3625E): **FMNH**: 104566, 104584, 105574, 105575, 105576, 99548, 99549 - Weißer Nil [=Bahr-el-Abyat] (1538N 3231E): **ZMB**: 67891, 67892, 67893 - White Nile:

ROM: 2410200181 - White Nile (15 38 N 32 31 E): **MNHN**: ZM-MO-1843-151A, ZM-MO-1843-151B, ZM-MO-1843-152 - Zeraf, Jebel [=mountain] (1549N 3110E): **ZMB**: 67837.

Tanzania:

Unknown locality: **BMNH**: 1922.7.17.87, 1922.7.17.88, 1933.7.17.2, 1951.383, 1951.384, 1951.385, 1952.1540, 1952.1541, 1952.802, 1956.389, 1964.1474, 1975.893; **MCZ**: 32210, 32211; **RMNH**: MAM.15798, MAM.15934, MAM.16497, MAM.16628, MAM.16652, MAM.52588, MAM.8852; **ZMB**: 12125, 54496 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **YPM**: MAM 002144 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **ZMB**: 54330, 5592, 67835, 67847, 67848, 67850, 67856, 67858, 67859, 67864, 67865 - Bulyanhulu (03 44 S 32 29 E): **FMNH**: 182579 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22279 - Chai camp: **AMNH**: 88411 - Chandege (0131S 3348E, 1133 m): **ROM**: 56515 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **FMNH**: 27286; **TM**: 2049; **ZMA**: MAM.22277; **ZMB**: 67868 - Dar es Salaam, 5 mi [= 8 km] NW (06 48 S 39 15 E): **YPM**: MAM 004062 - Dar es Salaam, 9 mi [= 14.5 km] N (06 42 S 39 18 E): **YPM**: MAM 003713, MAM 004060, MAM 004061 - Dar-Es-Salaam region: **SMF**: 74246 - Dodoma: **USNM**: 251888 - Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187138 - Katungulu (0231S 3240E, 1219 m): **FMNH**: 27287, 27288 - Kidugallo (06 47 S 38 12 E, 180 m): **SMF**: 29031 - Kononga (ca. 06 45 S 31 25 E): **ZMB**: 54498, 67862, 67873, 67876 - Korogwe (1300 m): **ZMB**: 67863 - Kulumuzi caves (0504S 3906E): **MNHN**: ZM-MO-1911-731 A, ZM-MO-1911-731 B - Masimani (0413S 3733E): **ZMB**: 67843 - Matanilas (ca. 0900S 3640E, 244 m): **FMNH**: 27289, 27290 - Mikindani (10 17 S 40 07 E, 17 m): **SMF**: 26870, 26871, 26872, 26873, 26874, 26875, 26876, 26882, 26883; **ZMB**: 67852 - Morogoro (06 48 S 37 40 E, 560 m): **AMNH**: 42202; **HNHM**: 95.46.2; **MCZ**: 22778, 22779 - Muanibunge: **ZMB**: 67849 - Mwansomanos: **AMNH**: 55873, 55874 - Mwanza (02 31 00 S 32 54 00 E, 1209 m): **ZMA**: MAM.22278 - Ol Donyo Sambu (04 06 S 36 21 E, 1829 m): **ROM**: 69182, 69183, 69195, 69196 - Pangani river (0930S 3527E): **ZMB**: 67841 - Pwani region: **SMF**: 79530 - Rungwa (07 21 S 31 40 E, 914 m): **FMNH**: 152534 - Singida (0514S 3526E): **ZMB**: 45004 - Somanga (08 24 S 39 17 E, 3 m): **FMNH**: 182528 - Tabora (05 01 00 S 32 48 00 E, 1212 m): **ZMB**: T09841 - Trina: **AMNH**: 179286 - Ujiji (0454S 2941E): **MCZ**: 26694, 26695 - Ukerewe island (0200S 3300E): **MCZ**: 26691, 26692, 26693 - Usambara mountains (044500S 383000E): **MNHN**: ZM-MO-1895-399, ZM-MO-1897-1518 - Wembere river (0410S 3411E): **ZMB**: 67838 - Zanzibar (06 10 S 39 20 E): **MCZ**: 1138, 1139; **ZMB**: 3265, 67877, 67898.

The Gambia:

Unknown locality: **BMNH**: 1907.1.1.705 - Madiyana Camp (13 33 57 N 16 31 54 W): **SMF**: 91044, 91045.

Togo:

Aného (06 14 00 N 01 36 00 E, 63 m): **ZMB**: 17918 - Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0581 - Mango (10 21 33 N 00 28 15 E, 134 m): **RMCA**: 73.013-M-0582, 73.013-M-0583; **ZMB**: 55559, 67854 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0646, 73.011-M-0647 - Padori (10 14 00 N 00 26 00 E, 126 m): **USNM**: 437635, 437636, 437637, 437638, 437639, 437640, 437641, 437642, 437643, 437644, 437645, 437646, 437647, 437648, 437649, 437650, 437651, 437652, 437653, 437654, 437655, 437656, 437657, 437658, 437659, 437660, 437661, 437662, 437663, 437664, 437665, 437666, 437667, 437668, 437669, 437670, 437671, 437672, 437673, 437674, 437675, 437676, 437677, 437678, 437679, 437680, 437681, 437682, 437683, 437684, 437685, 437686, 437687, 437688, 437689, 437690, 437691, 479203, 479204, 479205, 479206, 479207, 479208, 479209, 479210, 479211, 479212, 479213, 479214, 479215, 479216, 479217, 479218, 479219, 479220 - Paio (10 14 00 N 00 43 00 E, 146 m): **RMCA**: 73.009-M-0312, 73.009-M-0313, 73.009-M-0314, 73.009-M-0315, 73.009-M-0316, 73.009-M-0317.

Uganda:

Unknown locality: **BMNH**: 1903.11.7.20, 1903.11.7.22, 1903.11.7.4, 1903.11.7.5, 1911.10.21.2, 1911.10.21.3, 1911.12.3.3, 1966.3605, 1975.2457 - Butiaba (0149N 3120E): **ZMB**: 67861, 67871 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **ZMB**: 67845, 67874 - Gonda: **ZMB**: 67840, 67846 - Ishasha, 5 km E (0041S 2940E, 1062 m): **FMNH**: 154075 - Kampala (00 18 56 N 32 33 56 E, 1202 m): **MCZ**: 28539, 28540, 28541, 28542, 28543, 62264, 62265 - Kangole R.C.Mission: **AMNH**: 208789 - Katwe, near (000830S 294949E, 1372 m): **ROM**: 38276, 38277, 38278 - Lotome (022004N 343410E, 1271 m): **AMNH**: 180098 - Mweya (001427S 295508E, 3000 ft): **AMNH**: 219725, 219726 - Navtakwai: **ROM**: 68688 - Nyanugasani River (0009S 2949E, 3050 ft): **MVZ**: 124245, 124246 - Rhino Camp (0345N 3115E): **FMNH**: 30700, 30701, 30702; **USNM**: 164915, 164916, 164917, 164918, 164919, 164920, 164921, 164922, 164923, 164924, 164925, 164926, 164927, 164928, 164929, 164930, 164931, 164932, 164933, 164934, 164936, 164937, 166605, 166606, 166607, 166608, 166609, 166610, 166611, 166612, 166613, 166614, 166615, 166616, 166617, 166618, 166619, 166620, 166621, 166627, 166628, 166629, 166630, 166631, 166632, 166633, 166634 - Ruwenzori East (00 22 00 N 30 00 00 E, 1524 m): **RMCA**: 936a, 936b, 936c - Ruwenzori SE (00 22 N 30 00 E): **RMCA**: 935a, 935b, 935c, 935d, 935e - Sebei (012258N 343128E, 2419 m): **MCZ**: 31134, 31135 - Semliki flats (00 49 N 30 04 E): **ROM**: 59160 - Semliki Game Reserve (00 49 N 30 04 E): **BRTC**: 20909 - Toro (0030N 3000E, 762 m): **ROM**: 77918.

Zambia:

Bulaya (08 31 S 30 08 E, 948 m): **BMNH**: 1965.536; **HZM**: 25.6387 - Chisela Dambo, Mporokoso (08.38S 29.75E): **NHMZ**: 33481 - Chishela dambo (0929Db): **NHMZ**: 11521.

RHINOLOPHIDAE Gray, 1825

"Africa":

Unknown locality: **RMCA**: 90.010-M-0005.

Tanzania:

Uluguru mountains (07 10 S 37 40 E): **RMCA**: a4.036-M-0516.

Rhinolophus Lacépède, 1799

"Africa":

Unknown locality: **TM**: 42539, 42540, 42541, 42542, 42543, 42943B, 42944, 42945, 42946, 42947, 42948, 42955, 42959, 42960, 42961, 42962, 42963, 42964, 42965, 42966, 42967, 42968, 42969, 42970, 42971, 42972, 42973, 42977, 42986, 42987, 42988, 42989, 42990, 43016, 43017, 43018, 43019, 43021, 43022, 43028, 43029, 43030, 43031, 43032, 43033, 43034, 43035, 43036, 43037, 43038, 43039, 43049, 43050, 43051, 43052, 43053, 43054, 43054B, 43056, 43056B, 43058, 43059, 43060, 43061, 43062, 43063, 43064, 43065, 43066, 43067, 43070, 43071, 43072, 43073, 43075, 43076, 43077, 43078, 43081, 43082, 43083, 43083B, 43095, 43096, 43861, 46433 - Unknown locality: **TM**: 42943.

Algeria:
Tamanrasset (22 47 06 N 05 31 22 E, 1320 m): **MNHN**: ZM-MO-1985-941.

Angola:
Unknown locality: **BMNH**: 1908.2.12.3.

Benin:
Unknown locality: **MNHN**: ZM-MO-1913-2.

Burundi:
Rushubi mine (03 20 55 S 29 29 11 E, 1743 m): **MHNG**: 1895.080.

Central African Republic:
Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-871, ZM-MO-2000-872, ZM-MO-2000-873 - Uam (0618N 1622E): **ZMB**: 31494.

Congo:
Unknown locality: **RMNH**: MAM.16364.

Congo (Democratic Republic of the):
Unknown locality: **RMCA**: a1.097-M-3214, a1.097-M-3215 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 38819 - Djomba (01 20 S 29 34 E, 1500 m): **INPBC**: V1523.1, V1523.2 - Garamba National Park (04 10 00 N 29 30 00 E): **RBINS**: 8129.1, 8129.2, 8129.3, 8129.4 - Goma (01 40 45 S 29 13 22 E, 1499 m): **RBINS**: 10548 - Kafwe (08 22 00 S 29 15 00 E, 1800 m): **RBINS**: 10743, 10744, 10745, 10746, 10747, 10748, 10749, 10750, 10751, 10752, 10772 - Kaswabilenga (08 48 00 S 26 41 00 E, 700 m): **RBINS**: 10756, 10757, 10758, 10769, 10770 - Kibanga (08 50 S 26 44 E, 1300 m): **RBINS**: 10759, 10760, 10849, 10850 - Kona (02 02 N 22 47 E): **RMCA**: a1.097-M-3216 - Lieki (00 41 11 N 24 11 00 E, 508 m): **UNIKIS**: CRT2038 - Lukobwe (09 05 36 S 27 12 47 E): **RBINS**: 1099 - Masombwe (09 05 00 S 27 12 00 E, 1163 m): **RBINS**: 10773, 10775, 10776, 10779, 10782, 10783, 10786, 10787, 10790, 10791 - Moenge (02 03 00 N 22 51 54 E, 508 m): **RMCA**: a1.097-M-3222 - Niambasha (02 07 00 S 28 54 00 E): **RMCA**: 33534 - Pelenge, gorges (08 40 12 S 26 49 48 E): **RBINS**: 10736 - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT2392.

Côte d'Ivoire:
Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1987-92.

Egypt:
Unknown locality: **ZMB**: 24932 - Al Jiza province: **USNM**: 300211 - Sharqiya (3115N 3217E): **ZMB**: 50136.

Equatorial Guinea:
Bolondo (01 37 N 09 37 E, 343 m): **MSB**: 28897.

Ethiopia:
Abiyacula (ca. 12 02 N 39 03 E): **EBD**: MAM 25792 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **USNM**: 589153 - Lalibela (12 02 N 39 03 E, 2472 m): **EBD**: MAM 25835, MAM 25914, MAM 25915, MAM 25916.

Kenya:
Unknown locality: **BMNH**: 1975.2881_1, 1975.2881_2; **MNHN**: ZM-MO-1985-942 - Barberton Farm pool (0049N 3449E): **USNM**: 350895 - Elgon cave (0052N 3426E): **KU**: 163945 - Lake Magadi, cave near (ca. 0152S 3617E): **CAS**: 24712, 24713 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **MCZ**: 48886, 48887 - Langata forest (01 24 S 36 46 E, 1731 m): **MSU**: MR.6154 - Molo (00 15 S 35 44 E, 2438 - 2506 m): **WAM**: M16565 - Olkenyie (0113S 3528E): **YPM**: MAM 003449 - Takaungu (0341S 3951E): **ZMB**: 10936.

Morocco:
Unknown locality: **RMCA**: 76.018-M-0007, 76.018-M-0008, 76.018-M-0013 - Tazarine (335249N 041048W, 1395 m): **MNHN**: ZM-MO-1985-910, ZM-MO-1985-911, ZM-MO-1985-912, ZM-MO-1985-913, ZM-MO-1985-914, ZM-MO-1985-915, ZM-MO-1985-916, ZM-MO-1985-917, ZM-MO-1985-918.

Mozambique:
Gurue, 7.6 km N, 7.2 km E (1524S 3703E, 1707 m): **FMNH**: 177108, 177109 - Gurue, ca 8 km N, 8 km E (1524S 3703E): **FMNH**: 177214 - Mezimbite (19 35 S 34 43 E): **USNM**: 367646 - Vila Gamito, 10 km N (1404S 3259E): **USNM**: 365275.

Namibia:
Okatana (17 47 00 S 15 41 00 E, 1074 m): **RMCA**: 95.093-M-0014 - Otjosangombe (ca. 2021S 1755E): **MCZ**: 34903, 34904, 34905, 34907 - Waterberg Plateau Park (2025S 1715E): **MCZ**: 34906.

Senegal:
Unknown locality: **ZMB**: 12047.

Somalia:
Unknown locality: **BMNH**: 1972.4179_1, 1972.4179_2.

South Africa:
Unknown locality: **AMNH**: 169165, 169166, 169167, 169168, 169169, 169172; **TM**: 43068, 43069 - Farm Hekpoort (2544S 2737E): **TM**: 43055, 43057 - Farm Makapansgat, Makapan cave (2409S 2911E): **TM**: 42996, 42997, 42999, 43000, 43001, 43002, 43003, 43004, 43005, 43006, 43007, 43008, 43009, 43010 - Farm Wonderfontein 103IQ (2619S 2728E): **TM**: 43258 - Fountains (25 47 S 28 11 E): **TM**: 42941, 42942, 43238 - Garsfontein (2448S 2818E): **TM**: 43098, 43188 - Gatkop (24 37 05 S 27 39 08 E): **TM**: 47764 - Hans Merensky Nature Reserve (2340S 3041E): **TM**: 41982 - Howell Davies Caves (2420S 2911E): **TM**: 42655, 42918, 42919, 42920, 42921, 42922, 42923, 42924, 42925, 42926, 42927, 42928, 42929, 42930, 42931, 42932, 42933, 42934, 42935, 42936, 42937, 42951 - Irene (2552S 2814E): **TM**: 42938, 43318, 46717 - Kabusi Forest station (3235S 2717E): **TM**: 40499 - Klaver (3147S 1837E): **TM**: 43119 - Koster Cave (2552S 2654E): **TM**: 43105 - Kuruman (2628S 2227E): **ZMB**: 3464 - Langlaagte (2557S 2812E): **TM**: 43239 - Leydsdorp (2359S 3031E): **TM**: 43243 - Madimbo Military area (2218S 3052E): **TM**: 44492 - Norlim mine [=Buxton mine] (27 37 S 24 37 E, 1087 m): **ZMA**: MAM.22651 - Potchefstroom (2644S 2704E): **TM**: 43023 - Skurweberg cave (255000S 275800E): **TM**: 43230, 43231 - Stan Hope Mine (28 33 45 S 31 09 45 E, 864 m): **DNSM**: 14054, 14055 - Sterkfontein caves (2601S 2744E): **TM**: 42983, 42984, 42985, 43046, 43047, 43048 - Transvaal: **ZMA**: MAM.06635 - Tsitsikama-NP, 2 km S Stormsriver Mouth, Guono Cave (3402S 2353E): **TM**: 40523 - Vellefontein 517 KQ (24 49 26 S 27 47 07 E, 1277 m): **DNSM**: 13395 - Waterberg, Farm Driefontein: **TM**: 43240 - Witwatersberg, Farm Hekpoort (2555S 2737E): **TM**: 42939 - Wodehouse (31.33S 26.68E): **KM**: 25504 - Wolvegatten (2544S 2811E): **TM**: 42940.

South Sudan:
Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586799, 586800, 586804, 586817, 586824, 586829, 586831, 586832, 586833, 586836, 586837, 586838, 586840, 586849, 586852, 586853, 586854, 586855, 586856, 586857, 586858 - Kijiri Village (03 45 00 N 31 35 00 E, 897 m): **USNM**: 587750 - Kinyiba Cave (03 49 48 N 31 34 40 E, 949 m): **USNM**: 586915, 586922.

Swaziland:

Rosecraft (26 38 S 31 17 E, 667 m): **DNSM**: 14072.

Tanzania:

Unknown locality: **RMCA**: a6.016-M-6122 - Ambangulu Estate (05 05 S 38 26 E, 1120 - 1300 m): **ZMB**: 53855 - Fig Tree Arch (03 14 39 S 36 49 42 E): **FMNH**: 208055 - Itanga (0808S 3554E, 1772 m): **YPM**: MAM 004286, MAM 004287 - Kiboscho (031500S 371900E, 1206 m): **MNHN**: ZM-MO-1905-191 - Kihansi Gorge (4.7542S 38.8028E, 550 m): **FMNH**: 163380 - Kihansi Gorge (4.7542S 38.8028E, 650 m): **FMNH**: 163381 - Kihansi Gorge (4.8197S 38.7097E, 650 m): **FMNH**: 163382 - Kimboza Forest Reserve (070145S 374642E): **FMNH**: 183262, 183263, 183264 - Kiwengwa-Pongwe Forest Reserve cave (0601S 3922E, 29 m): **FMNH**: 198123, 198124, 198125, 198126, 198127 - Kwabaniani caves (0610S 3921E, 25 m): **FMNH**: 198049 - Machaga cave (0617S 3924E, 21 m): **FMNH**: 198052, 198128 - Magamba (0532S 3805E, 1524 m): **RMCA**: a6.016-M-6121 - Mahenge Scarp Forest Reserve (0837S 3643E, 800 m): **FMNH**: 182610 - Mdandu Forest (0950S 3447E): **YPM**: MAM 004288 - Mgambo Forest Reserve (0445S 3848E, 400 m): **FMNH**: 163397 - Mikindani (10 17 S 40 07 E, 17 m): **ZMB**: T09998 - Mojoni [=Muyuni] (0620S 3925E): **ZMB**: 11815 - Mvuha Forest Reserve (071150S 374808E): **FMNH**: 183239 - Nawenge Forest Reserve (0842S 3643E): **FMNH**: 182650 - New Dabaga/Ulangambi Forest Reserve (0804S 3555E, 1900 m): **FMNH**: 169532 - New Dabaga/Ulangambi Forest Reserve (0804S 3555E, 1930 m): **FMNH**: 169533, 169534 - Nguru South Forest Reserve (0604S 3731E, 1500 m): **FMNH**: 161265 - Nyumbanitu Forest (0751S 3622E, 1450 m): **FMNH**: 169525 - Nyumbanitu Forest Reserve (0751S 3622E): **FMNH**: 182925, 182926, 182927 - Pange Juu cave (0617S 3927E, 15 m): **FMNH**: 198129 - Rohero mine (ca. 02 16 S 34 51 E): **CAS**: 24724, 24725 - South Pare Mts, Chome Forest Reserve (041800S 375800E, 2000 m): **FMNH**: 153848, 153849 - Tanganyika, lake: **ZMB**: 50051, 50052, 50053, 50054, 50055, 50056 - Tong'omba Forest Reserve (08 25 S 39 01 E): **FMNH**: 183247, 183248 - Udzungwa Mts, West Kilombero Scarp Forest Reserve, Ndundulu Forest (0750S 3628E, 1900 m): **FMNH**: 169524 - Ukami Forest Reserve (0753S 3623E): **FMNH**: 182684 - Uluguru Mts, Uluguru North Forest Reserve (065500S 374200E, 1345 m): **FMNH**: 158338, 158340, 158491.

Togo:

Haubinda: **ZMB**: 53123 - Péwa (09 17 00 N 01 14 00 E, 618 m): **USNM**: 463784.

Tunisia:

Damoos Said (3556N 0933E): **TTU**: 70915, 70916.

Uganda:

Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 164967, 164968 - Budongo Forest Nature Reserve (014416N 313322E): **FMNH**: 164969, 164970 - Budongo Forest Royal mile Forest (0142N 3132E): **FMNH**: 164965 - Busingiro area (0143N 3128E): **FMNH**: 164971 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 164966 - Nyero (0129N 3351E, 1113 m): **CAS**: 24711 - Sebei College, cave 1 mi [= 1.6 km] SW (ca. 012258N 343128E): **CAS**: 24708, 24709, 24710.

Zambia:

Cave near Mujimbe Hill: **AMNH**: 89777, 89778, 89779 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33442, 33767, 33885, 33958 - Mazabuka (155200S 274600E, 1101 m): **BMNH**: 1955.1123 - Missale Old Mine (1405S 3259E): **TM**: 43236, 43237.

Zimbabwe:

Unknown locality: **BMNH**: 1926.12.1.7.

Rhinolophus adami Aellen and Brosset, 1968

Congo:

Unknown locality: **MHNG**: 1129.84 - Grotte de Kimanika: **HNHM**: 97.5.1 - Kimanika cave (0359S 1425E): **MNHN**: ZM-MO-1985-1185, ZM-MO-1985-1188 A, ZM-MO-1985-1188 B, ZM-MO-1985-1188 C, ZM-MO-1985-1189 A, ZM-MO-1985-1189 B, ZM-MO-1985-1189 C, ZM-MO-1985-1190 A, ZM-MO-1985-1190 B, ZM-MO-1985-1376 - Kouilou (ca. 04 00 S 12 00 E): **MNHN**: ZM-MO-1968-408 (Holotype *Rhinolophus adami*).

Rhinolophus alcyone Temminck, 1853

"Africa":

Unknown locality: **MNHN**: ZM-MO-1902-335; **ZMA**: MAM.26853.

Cameroon:

Unknown locality: **BMNH**: 1968.328, 1968.884, 1968.887, 1968.888 - Alen (02 23 00 N 10 34 00 E, 197 m): **RMCA**: 73.018-M-0132 - Big farm, Mungo River, east bank (0421N 0930E): **ROM**: 68874 - Bokwango (0409N 0912E): **ROM**: 50907 - Boteke Village (0509N 0912E): **ROM**: 56996, 57017 - Bova Village (0410N 0912E): **ROM**: 69038, 69039, 69040 - Buea Station area, small Sopo (0407N 0912E): **ROM**: 68957, 68997, 68998 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **HNHM**: 95.51.1, 95.51.2 - Eséka, 5 km SW (ca. 0340N 1045E): **AMNH**: 236298 - Great Soppo (0409N 0912E): **ROM**: 55555 - Gwando (0409N 0912E, 1067m): **ROM**: 46799, 46800, 46801, 46802, 46803, 46804, 46805, 46806, 50908, 50909, 50910 - in forest across Mungo River (0413N 0924E): **ROM**: 58375 - Kumba, 19 km S (0438N 0925E): **USNM**: 511918, 511919 - Meyo Nkoulou (02 16 00 N 11 02 00 E): **RMCA**: 73.018-M-0129, 73.018-M-0130, 73.018-M-0131 - Moliko (0409N 0912E): **ROM**: 55591 - Mpundu (0413N 0924E): **ROM**: 58377 - Muyuka [= Muea] (0415N 0924E): **ROM**: 58292, 58293, 58294, 58295, 58296 - Soumo River (0318N 1130E): **ROM**: 56181, 56182.

Central African Republic:

Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268373, 269922 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-246.

Congo:

Lekoumou, Forest corridor (03 25.578 S 12 45.670 E): **HZM**: 15.40192, 16.40193 - Maya cave (035316S 143119E, 1962 m): **MNHN**: ZM-MO-1962-1095 A, ZM-MO-1962-1095 B, ZM-MO-1962-1095 C, ZM-MO-1962-1095 D - Mbamou Island (04 12 34 S 15 25 06 E): **MNHN**: ZM-MO-1985-495.

Congo (Democratic Republic of the):

Buluku river (04 33 N 29 49 E): **RBINS**: 13667 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86880 - Makpe river, upper (04 20 N 29 34 E): **RBINS**: 13666 - Scierie Forest (03 10 S 25 49 E): **HZM**: 1.8022.

Côte d'Ivoire:

Unknown locality: **SMF**: 84394, 91872, 91873, 91874, 91875, 91876, 92163, 92164 - Kanan-Koffi-Kro (06 58 00 N 05 14 00 W, 217 m): **RMCA**: 97.077-M-3143, 97.077-M-3144, 97.077-M-3145, 97.077-M-3146, 97.077-M-3147, 97.077-M-

3148, 97.077-M-3149, 97.077-M-3150 - Parc National de Tai (ca. 05 50 N 07 20 W): **ROM**: 100480, 100491, 100493, 100494, 100495, 100587.

Equatorial Guinea:

Unknown locality: **RMCA**: 28431, 28432 - Bioko island (ca. 03 30 N 08 42 E): **SMF**: 22048, 42318, 42319, 42320, 42321 - Engong (01 53 N 10 17 E, 325 m): **MSB**: 28894, 28895 - Riusaka (0330N 0842E): **AMNH**: 206954, 206955.

Gabon:

Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-MO-1985-1519 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1983-2000, ZM-MO-1983-2001, ZM-MO-1983-2002, ZM-MO-1983-2003, ZM-MO-1983-2004, ZM-MO-1983-2005 - Moukalaba Reserve (0217S 1030E, 110 m): **FMNH**: 167765, 167766.

Ghana:

Unknown locality: **BMNH**: 1910.10.23.1, 1910.10.23.6, 1911.2.14.1, 1911.2.14.2, 1911.2.14.3, 1955.376, 1955.377, 1965.481, 1965.751, 1966.6242, 1976.736; **SMF**: 89668, 89669 - Bechem (07 05 N 02 02 W, 293 m): **ROM**: 52052 - Boutry River (04 49 00 N 01 55 00 W, 0 m): **RMNH**: MAM.35892 (Holotype *Null*) - Kuuni, 48 km (06 39 N 01 51 W, 226 m): **ROM**: 52022, 52026 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414973 - Volta region: **SMF**: 92127, 92128, 92129, 92130.

Nigeria:

Unknown locality: **BMNH**: 1952.114.

Senegal:

Mount Assirik (12 53 N 12 43 W): **IVB**: S004.

Sierra Leone:

Outamba-Kilimi-NP (0945N 1210W): **USNM**: 546979, 546980, 546981, 546982, 546983, 546984, 546985, 546986, 546987 - Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 546967, 546968, 546969, 546970, 546971, 546972 - Outamba-Kilimi-NP, Kilimi section (0948N 1227W): **USNM**: 546973 - Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 546974, 546975, 546976, 546977, 546978.

Uganda:

Budongo Forest (014416N 313322E, 4000 ft): **MCZ**: 62406 - Budongo Forest (0146N 3133E): **ROM**: 46450, 46486 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 165143 - Budongo Forest (0146N 3133E, 1372 m): **ROM**: 40150, 40151, 40152, 46483, 46484, 46485, 46487, 46488, 46489, 46490, 46491 - Budongo Forest (0146N 3133E, 914 m): **ROM**: 77794, 77795, 83933 - Budongo Forest Nature Reserve (014416N 313322E): **FMNH**: 165144, 165145, 165146, 165147, 165148 - Budongo Forest Royal mile (0142N 3132E): **FMNH**: 165139 - Budongo Forest Royal mile area (ca. 0142N 3132E): **FMNH**: 165132; **MCZ**: 62404, 62451 - Budongo Forest Royal mile Forest (0142N 3132E): **FMNH**: 165140 - Bunyoro (0145N 3135E, 914 m): **ROM**: 83934 - Busingiro area (0143N 3128E): **FMNH**: 165149, 165150, 165151, 165152, 165153, 165154, 165155 - Busingiro Camp Site (0143N 3128E): **FMNH**: 165134 - Kabei cave (0118N 3445E): **ROM**: 40080, 40081, 40082, 40083, 40084, 40085, 40086, 40087, 40088, 40089, 40090, 40091 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 165135, 165136, 165137, 165138, 165141, 165142; **MCZ**: 62405 - Nyafungo Nature Reserve (0143N 3132E): **FMNH**: 165133; **MCZ**: 62446, 62447, 62448, 62449, 62450 - Sonsor river (0146N 3133E): **ROM**: 46614 - Sonsor river (0146N 3133E, 1219 m): **ROM**: 46615.

Rhinolophus blasii Peters, 1867

"Africa":

Unknown locality: **SMF**: 93227.

Algeria:

Ain Ouarka (32 43 51 N 00 09 13 W): **MUB**: A487 - Aokas (36 38 N 05 15 E, 198 m): **MUB**: A167, A171, A188, A189, A216, A253, A255, A263, A264, A29, A371 - Gorges de Kherrata tunnel (ca. 36 29 37 N 05 16 41 E): **MUB**: A391 - Sig (35 31 40 N 00 11 43 W, 73 m): **ISEA**: 10071; **MUB**: A198 - Souk el Tenine (36 37 36 N 05 20 02 E, 92 m): **MUB**: A221.

Congo (Democratic Republic of the):

Katanga (former) province: **SMF**: 21245 - Kivu region: **MNHN**: ZM-MO-1985-939 - Moba (070300S 294700E, 763 m): **RMCA**: 26280.

Eritrea:

Sciumagalle Mine (1523N 3851E, 2371m): **MVZ**: 100998, 101000, 101001, 101002, 101003.

Ethiopia:

Unknown locality: **BMNH**: 1959.637, 1970.2209, 1970.2210_1, 1970.2210_2, 1970.2210_3, 1971.1746, 1971.1746_1, 1971.1746_2, 1971.1747, 1972.211, 1972.4342_01, 1972.4342_02 - Dire Dawa (0932N 4153E, 1250 m): **ZMB**: 41744, 42753 - Harrar (091900N 420700E, 1864 m): **AMNH**: 48077, 48078 - Sof-Omar (06 54 22 N 40 50 42 E, 1300 - 1340 m): **MNHN**: ZM-MO-1985-919, ZM-MO-1985-920, ZM-MO-1985-921, ZM-MO-1985-922, ZM-MO-1985-923, ZM-MO-1985-924, ZM-MO-1985-925, ZM-MO-1985-926, ZM-MO-1985-927.

Italy:

"Italy": **ZMB**: 557 (Holotype *Rhinolophus blasii*).

Malawi:

Unknown locality: **BMNH**: 1987.1047, 1987.1048, 1987.1049, 1987.1050, 1987.1051, 1987.1052, 1987.1053, 1987.1054, 1987.1055, 1987.1056, 1987.1057, 1987.1058, 1987.1059 - Chingwe's Hole (15 20 00 S 35 16 00 E, 1800 m): **ZMA**: MAM.28315, MAM.28316 - Cholo, mount (16 05 00 S 35 09 00 E, 4000 ft): **MCZ**: 43782 - Likabula mission (15 57 S 35 24 E): **TM**: 41789 - Lujeri Tea Estate (1558S 3539E, 1000 m): **FMNH**: 180967, 180968, 180969, 180970, 181165, 181166, 181167, 181168, 181169, 181170, 181171, 192230 - Mughese Forest (0939S 3332E, 1625 m): **FMNH**: 196178 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.28317, MAM.28318, MAM.28319 - Ncheu [=Ntcheu] (14 49 S 34 38 E, 1081 m): **TM**: 9163 - Ntchisi Forest guesthouse (13 23 S 34 00 E, 1500 m): **ZMA**: MAM.28320 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1541 m): **FMNH**: 192067, 192068, 192069, 192070, 192071, 192072, 192073 - Tinyade Estate (1552S 3535E, 815 m): **FMNH**: 192229 - Wilindi Forest (09 42 S 33 29 E, 1900 m): **NMZL**: 3229 - Wilindi Forest (0942S 3329E, 1825 m): **FMNH**: 196617, 196618, 196619 - Zomba (1523S 3519E, 800-900 m): **BMNH**: 1893.7.9.33 (Holotype *Rhinolophus empusa*).

Morocco:

Bou Akden mine: **EBD**: MAM 23260, MAM 23261 - Kef Azigza cave (32 02 N 03 47 W, 1060 m): **EBD**: MAM 25768, MAM 25769, MAM 25770, MAM 25771, MAM 25772, MAM 25773, MAM 25774, MAM 25775, MAM 25776, MAM 25777; **NMP**: 94494, 94495, 94496, 94497, 94498, 94499, 94500, 94501, 94533; **NMW**: 28022, 28023, 28024, 28025, 28026,

28027, 28028, 28029, 28030, 28031, 28032, 28033, 28034, 28035, 28036, 28037, 28038, 28039, 28040, 28041, 28042, 28043, 28044, 28045, 28046, 28047, 28049, 28050, 28051, 28052, 28053, 28054, 28055, 28056, 28057, 28058 - Marrakech prefecture: **SMF**: 22029 - Ouarzazate, 5 km S (3052N 0655W): **USNM**: 476886 - Takoumit oasis (32 05 N 03 46 W, 1115 m): **NMP**: 94521 - Wintimdouine cave (30 40 49 N 09 20 42 W): **EBD**: MAM 26019.

Mozambique:

Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8480, 8481, 8482, 8483 - Mount Jao: **DNSM**: 13449 - Mount Mabu (16 16 57 S 36 22 54 E, 980 m): **DNSM**: 12953 - Mount Mabu site 7 (16.286477S 36.403013E): **DNSM**: 10834 - Zinave NP, 3 km SSW (21.39S 33.89E): **NHMZ**: 62100.

Somalia:

Mount Fink: **MNHN**: ZM-MO-1985-895 - Upper Sheikh (0956N 4513E, 4 300 ft): **BMNH**: 1909.12.17.4 (Holotype *Rhinolophus brockmani*).

South Africa:

American cave (25 54 00 S 27 46 00 E): **TM**: 2887, 2888, 2889 - Farm Doornpan (27 34 12 S 31 14 05 E): **TM**: 31808, 31809 - Farm In-de-Diepte 164JT (254300S 300100E): **TM**: 47731 - Farm Makapansgat 39 (2409S 2911E): **TM**: 4262, 4263, 4264, 4265 - Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave (24 37 05 S 27 39 08 E): **FMNH**: 152535; **ROM**: 45719, 45729, 45730, 45736, 45737, 45813, 48686, 77818, 77819, 83938; **TM**: 13960, 13961, 13962, 13963, 13995, 13996, 13997, 13998, 13999 - Farm Uitkyk (26 05 S 27 46 E): **TM**: 2062, 7060, 7061, 7064, 7065, 7066, 7068, 7076, 7077, 7079, 7080, 7081, 7083 - Farm Victoriaspoort 18IT (2607S 3022E): **TM**: 47083, 47084 - Gatkop (24 37 05 S 27 39 08 E): **TM**: 47766 - Gatkop cave (24 37 05 S 27 39 08 E): **TM**: 48450, 48451, 48452, 48453, 48461 - Hennops River (2546S 2759E): **TM**: 42957, 42958, 42974 - John Nash Nature Reserve (25 54 S 27 46 E): **TM**: 42956 - Louw's [=Lowes] Creek, Imperial mine (2539S 3118E): **TM**: 9470 - Mogale City [=Krugersdorp] (2606S 2746E): **TM**: 7062, 7063, 7067, 7078 - Ngubevu mine (2844S 3038E): **TM**: 30121, 30149, 30151, 30152 - Nqubevu mine (2843S 3037E): **TM**: 36152, 36153, 36154, 36155, 36156, 36157 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 37039 - Randstephne 455 KQ (24 36 58 S 27 39 31 E, 998 m): **DNSM**: 13393 - Skurweberg cave (25 48 S 27 59 E): **TM**: 12448 - Sterkfontein caves (2601S 2744E): **TM**: 12045 - Sudwala Cave (25 22 S 30 42 E, 845 m): **TM**: 46645 - Wonderkop Nature Reserve (231250S 283930E): **TM**: 44937.

Swaziland:

Lomati Gold Mine (25 49 15 S 31 17 40 E, 520 m): **DNSM**: 7897 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **DNSM**: 5919.

Tanzania:

Chugu Peak, near (06 50 01 S 36 34 19 E): **FMNH**: 197516 - Mwanihana Forest Reserve (07 50 S 36 50 E, 100 m): **SMF**: 15917.

Tunisia:

Djebel Rassas (3637N 1024E): **TTU**: 72178, 72179, 72180, 72181, 72182 - Zaghouan, 3 km S (3620N 1008E): **TTU**: 72157, 72158, 72159, 72160, 72161, 72162, 72163, 72164, 72165, 72166, 72167, 72168, 72169, 72170, 72171, 72172, 72173, 72174, 72175, 72176, 72177.

Zambia:

Chipongwe Cave (15 41 00 S 28 14 00 E): **UZMZ**: 285 - Fort Jameson district (1345S 3245E): **KM**: 9645, 9647 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33414, 33424, 33793, 33886, 33890, 33891, 33907, 33929, 33930, 33931, 33932, 33933, 33934, 33935, 33936, 33937, 33938, 33939, 33940, 33941, 33942, 33943, 33944, 33945, 33946, 33947, 33948, 33949, 33950, 33951, 33952, 33953, 33954, 33955, 33956, 34007, 34057, 34083, 34084, 34085 - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (ca. 15 19 S 28 19 E): **MSB**: 33475, 33494, 33544, 33545, 33546 - Ngwerere cave (15 19 S 28 19 E, 1280 m): **HNHM**: 76.157.1 - Ngwerere Siding (15 19 S 28 19 E): **UZMZ**: 215, 235, 241, 242, 243, 246 - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33658, 33676, 33693, 33694, 34196 - Nsefu Game Camp (1252S 3152E): **NHMZ**: 20309.

Zimbabwe:

Unknown locality: **BMNH**: 1909.2.20.1 - Chikupo Caves (1723S 3117E): **ROM**: 64556, 64582 - Chinoyi, Orchid Cave (1730AC): **NHMZ**: 62077 - Colleen Bawn (2129AA): **NHMZ**: 57768 - Deka-Zambezi R Confluence (18.0S 26.5E): **NHMZ**: 32282 - Dwala Ranch, Bubiana River (2129BB): **NHMZ**: 30584 - Filabusi, 14 km W (20.55S 29.25E): **HZM**: 3.3366 - Great Zimbabwe (2030BD): **NHMZ**: 59659, 62075, 62076 - Gwanda (2029CC): **NHMZ**: 62156, 62157 - Hope Fountain Mission (20.62S 28.62E): **NHMZ**: 32324 - Ingwe Mine (2029CA): **NHMZ**: 12701, 12703, 12704, 12706, 12707, 12710, 12713 - Inyanga: **ZMA**: MAM.05659 - Kanyemba (1530CB): **NHMZ**: 62049 - Matobo Hills, Mtshavezi Valley (20.62S 28.62E): **NHMZ**: 29989 - Matopo, Mtshabezi Valley (2028DB): **NHMZ**: 29595, 29895 - Mutanda (19.12S 32.12E): **NHMZ**: 30523 - Nyanga (1832BD): **NHMZ**: 62080, 62081 - Orchard Cave (17.37S 30.12E): **HZM**: 9.3926; **NHMZ**: 62079 - Retreat Farm (2014S 3102E): **ROM**: 64583-a - Rifle Range (1829DD): **NHMZ**: 60772 - Sanyati West Camp (16 52 30 S 28 37 30 E): **NHMZ**: 57209 - Zimbabwe ruins: **TM**: 34594.

Rhinolophus capensis Lichtenstein, 1823

"Africa":

Unknown locality: **ZMUC**: LXX.0098.

Namibia:

Kuibis (2641S 1652E): **ZMB**: 18025.

South Africa:

Unknown locality: **BMNH**: 1875.8.9.10, 1875.8.9.11, 1875.8.9.12, 1875.8.9.13, 1875.8.9.16, 1875.8.9.9, 1897.11.5.43, 1973.521; **HZM**: 3.4735; **SMF**: 12295; **TTU**: 41228, 41229 - "Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: **MCZ**: 4535, 6539 - "Onmeetbare" cave (34 32 00 S 20 02 00 E, 114 m): **SMF**: 21314, 21315, 21316, 21317 - Amanzi Estate (3345S 2528E): **MVZ**: 117137 - Bathurst (33.58S 26.89E): **KM**: 31142 - Battelary (3309S 1806E): **TM**: 41471 - Belvedere (340200S 230200E): **NRM**: |TS175| (Holotype *Rhinolophus auritus*) - Brakfontein (330840S 232557E): **USNM**: 342583, 342584, 342585, 342586, 342587, 342588 - Bredasdorp (34 23 04 S 19 49 27 E, 166 m): **SMF**: 21318, 21319, 21320 - Bushman Cave (33.83S 20.17E): **SAMC**: 14559 - Cape of Good Hope: **MNHN**: ZM-MO-1993-1391, ZM-MO-1999-773, ZM-MO-1999-783, ZM-MO-1999-784, ZM-MO-1999-785, ZM-MO-1999-786; **ZMB**: 377 - Cape province: **AMNH**: MS-428 - De Hoop Guano Cave (34 25 00 S 20 24 00 E): **KU**: 163985 - De Hoop Nature Reserve, De Hoop Guano Cave (3426S 2025E): **TM**: 29064, 40566, 40567, 40568, 40569, 40570, 40571, 40573, 40574, 40575, 40576 - De Hoop Provincial Nature Reserve (3318S 2516E): **TM**: 29069, 29072, 29079, 29081 - De Hoop Provincial Nature Reserve

(3426S 2025E): **TM**: 29063, 29065, 29066, 29067, 29070, 29077, 29080 - De Hoop, NR (34.43S 20.42E): **SAMC**: 35665 - De Hoop, wildproefplaats (34 27 18 S 20 23 57 E): **ZMA**: MAM.02766 - Grahamstown (33 18 S 26 32 E, 500 m): **TM**: 43100, 43257 - Grahamstown, 12 km NW (33.12S 26.37E): **NHMZ**: 62005 - Grootvadersbosch Forest Reserve (34 02 S 20 46 E): **TM**: 41690 - Hankey (33.82S 24.85E): **KM**: 21166 - Het Kruis (3236S 1845E): **MCZ**: 37226, 37227 - Humansdorp (33.98S 23.65E): **KM**: 23852 - Klaver (314659S 184036E): **TM**: 2268, 2274, 2275 - Klaver (3147S 1837E): **TM**: 43103, 43104 - Kleinpoort (3320S 2403E): **TM**: 6653 - Knysna (340200S 230200E, 0 m): **MNHN**: ZM-MO-1999-789 - Lormarins (3353S, 1903E): **TM**: 2273 - Montague caves (3347S 2007E): **MCZ**: 17899, 17900 - Namaqualand (28.29S 16.97E): **KM**: 28199 - Namaqualand (30.25S 18.43E): **KM**: 1786 - Pickford Farm (3349S 2532E): **MVZ**: 117138 - Piquetburg, N (32.61S 18.78E): **KM**: 1824 - Postberg Nature Reserve (3307S 1800E): **TM**: 41560 - Saldanha Bay (330300S 180000E): **TM**: 2277, 2278, 2279 - Skoenmakerskop (34 02 26 S 25 32 39 E): **NHMZ**: 59388 - Somerset East (33.27S 25.68E): **KM**: 25630 - Steenkampskraal Mine (30 59 10 S 18 37 45 E): **DNSM**: 5012 - Stillbaai (342200S 212500E): **TM**: 8983 - Storms R Gorge (3400S 23.87E): **NHMZ**: 62158 - Table Farm, Salerm (33.37S 26.37E): **NHMZ**: 62159 - The Cape: **MNHN**: ZM-MO-1985-893 - Van Rhynsdorp, NE (31.13S 18.18E): **KM**: 1772 - Vredendal (31.76S 18.23E): **KM**: 28938 - Witwater, 25 mi W (ca. 2931S 1735E): **MCZ**: 37048, 37049, 37050, 37051.

Rhinolophus clivosus Cretzschmar, 1828

"Africa":

Unknown locality: **KU**: 135663; **SMF**: 12296, 12311 (Paratype *Rhinolophus clivosus*); **TM**: 31759, 31760, 31761, 31762, 31763, 31764, 31765, 31826, 31827, 31829, 31830, 31831, 31832, 31833, 31834, 31835, 31836, 31837; **ZMUC**: L57.3116, L59.3167 - Engeremgere: **ZMB**: 6710 - Kester, Kosterfontein: **TM**: 4190 - Woodbush: **TM**: 3389.

Algeria:

Unknown locality: **BMNH**: 1979.986 - Djanet (24 34 N 000 09 23 E, 1116 m): **MNHN**: ZM-MO-1985-889, ZM-MO-1991-346, ZM-MO-1991-347 - Djanet (24 34 N 09 23 E, 1116 m): **MNHN**: ZM-MO-2006-246 (Holotype *Rhinolophus acrotis schwarzi*), ZM-MO-2006-247 (Paratype *Rhinolophus acrotis schwarzi*), ZM-MO-2006-248 (Paratype *Rhinolophus acrotis schwarzi*) - Hoggar: **MNHN**: ZM-MO-1949-94, ZM-MO-1949-95 - Tassili N'Ajer (ca. 25 30 N 09 00 E): **MNHN**: ZM-MO-1985-890.

Botswana:

Mohembo (18 18 S 21 48 E, 997 m): **AMNH**: 169173.

Burundi:

Nyagatarugwa River Valley (0355S 2935E, 1785 m): **FMNH**: 148366 - Nyamugari hill (0318S 2945E, 2590 m): **FMNH**: 148367.

Cameroon:

Unknown locality: **RMCA**: 75.003-M-0135 - Manengouba, mount (05 00 N 09 50 E, 1000 m): **MNHN**: ZM-MO-1983-1028, ZM-MO-1983-1029.

Central African Republic:

Uam (0618N 1622E): **ZMB**: 31493, 31495.

Congo (Democratic Republic of the):

Defrenne cave (10 58 00 S 26 39 00 E): **RMCA**: 28212 - Djomba (01 20 S 29 34 E, 1500 m): **INPBC**: V1846.1, V1846.2, V1846.3, V1846.4, V1846.5, V1846.6, V1846.7, V1846.8 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RMCA**: 26256, 26257 - Jomba (01 16 54 S 29 33 14 E): **MHNG**: 1873.020, 1873.021, 1873.022, 1873.023, 1873.024, 1873.025, 1873.026, 1873.027, 1873.028, 1873.029, 1873.030, 1873.031, 1873.032, 1873.033, 1873.034, 1873.035, 1873.036, 1873.037, 1873.038, 1873.039, 1873.040 - Kakanda cave (104700S 263600E, 1438 m): **RBINS**: 14513 - Kisantu (050700S 150500E, 421 m): **RMCA**: 7718 - Lubudi, small cave (095700S 255800E, 1307 m): **RMCA**: 22667, 22668, 22669, 22670 - Lubuka cave (03 12 00 S 28 51 00 E): **RMCA**: 79.010-M-0005, 79.010-M-0006 - Musanze-Djomba (01 20 S 29 34 E, 1500 m): **INPBC**: V1760, V1764.1, V1764.2, V1764.3, V1764.4, V1764.5, V1764.6, V1764.7, V1764.8 - Mutwanga (002000N 294500E, 1338 m): **RMCA**: 16602 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: W1163 - Swanepoel I cave (10 50 00 S 26 39 00 E, 1350 m): **RMCA**: 27538 - Uvira (032424S 290845E, 746 m): **RMCA**: 22740, 22741, 22742, 22743, 22744, 22745, 22746, 22747, 22748, 22749, 22750, 22751, 22752.

Egypt:

Unknown locality: **BMNH**: 1904.11.4.3, 1904.11.4.4, 1904.7.8.1, 1905.12.15.3, 1905.12.5.3, 1905.8.8.4-5, 1908.4.17.4, 1908.4.17.5, 1919.8.16.1, 1966.4310; **RMNH**: MAM.35904; **USNM**: 312506, 312507, 312508, 312509, 312510, 312511; **YPM**: MAM 005621 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 68180, 73952, 73953, 73954, 73955, 73956, 73957, 73958, 73959, 74021, 74022, 74023, 74024, 74025, 74026, 74027, 74028, 74029, 74030, 74031, 74032, 74033, 74034, 74035, 74036, 74037, 74038, 74039, 74497, 74498, 75046, 75057, 75058, 75059, 75060, 75061, 75062, 75063, 75064, 75065, 77201, 78771, 78772, 78773, 78774, 78775, 78776, 78777, 78778, 78779, 78780, 78781, 78782, 78783, 78784, 78785, 78786, 78787, 78788, 78789, 78790, 78791, 78792, 78793, 78794, 78795, 78796, 78797, 78798, 78799, 78800, 78801, 79670, 79672, 80332, 80334, 80335, 80336, 80337, 80338, 80339, 80340, 80341, 80342, 80343, 80344, 80800, 80876, 80877, 82480, 82481, 82482, 82483, 82484, 91429, 91430, 91431, 91432, 91433, 91434, 91435, 91436, 91437, 91438, 91439, 91440, 91441, 91442, 91443, 91444, 91445, 91446, 93375, 93376, 93377, 93378, 93379, 93380, 93381, 93382, 93383; **NMP**: 91994; **USNM**: 294094, 294095, 294096, 294097, 294098, 294099, 294100, 294101, 294102, 294103, 294104, 294105, 294106, 294107, 294108, 294109, 294110, 294111, 294112, 294113, 294114, 294115, 294116, 294117, 294118, 297749, 312420, 312421, 312422, 312423, 312424, 312425, 312426, 312427, 312445, 312447, 312450, 312451, 312452, 312453, 312454, 312455, 312456, 312457, 312458, 312459, 312460, 312461, 312462, 312463, 312464, 312465, 312466, 312467, 312468, 312469, 312470, 312471, 312472, 312473, 312474, 312475, 312476, 312477, 312478, 312479, 312480, 312481, 312482, 312483, 312484, 312485, 312486, 312487, 312488, 312489, 312490, 312491, 312492, 312493, 312494, 312495, 312496, 312497, 312498, 312499, 312500, 312501, 312502, 312503, 312504, 312505, 368688, 368689, 368690, 368691, 368692, 368693, 368694, 368695, 368696, 368702, 368703, 368704, 368705, 368706; **ZFMK**: 1959.0274, 1959.0275, 1959.0276, 1959.0277, 1959.0278, 1959.0290, 1959.0291, 1959.0292, 1959.0293, 1959.0294, 1959.0295, 1959.0296, 1959.0297, 1959.0298, 1959.0299, 1959.0300, 1959.0301, 1959.0302, 1959.0303, 1959.0304, 1959.0305, 1959.0306, 1959.0307, 1959.0308 - Abu Rihal, W of (ca. 2500N 3328E): **NMP**: 91987 - Abu Sir (2953N 3113E, 73 m): **FMNH**: 78802, 78803, 78804, 78805, 78806, 78807, 78808, 78809, 78810, 78811, 78812, 78813, 78814, 78815, 78816, 78817, 78818, 78819, 78820, 78821, 78822, 78823, 78824, 78825, 78826, 78827, 78828, 78829, 78830, 78831 - Aswan (240515N 325356E, 85 m): **NMP**: 92584 - Cairo, 20 km S (ca. 30 03 N 31 15 E): **ZMB**: 5693 - Eastern desert of Egypt (ca. 2200N 3500E): **BMNH**:

1904.11.4.2 (Holotype *Rhinolophus Andersoni*) - El A'agab (24 15 N 32 54 E, 166 m): **NMP**: 92596 - El Arish (310734N 334807E, 33 m): **FMNH**: 79090, 79094, 79095; **USNM**: 312512, 312513, 312514 - El Mansuriya (28 m): **FMNH**: 79091, 79092, 79093; **USNM**: 312442, 312443, 312444 - El Mansuriya, 4 km W (ca. 300813N 310417E): **FMNH**: 78846, 78847, 78848, 78849, 78850, 78851, 78852, 78853, 78854, 78855, 78856 - El-'Aiyat (29 51 N 31 13 E, 19 m): **FMNH**: 85577, 85578, 85581, 85582, 85584, 85586 - Giza Pyramids (29 58 N 31 07 E): **FMNH**: 67623, 67624, 74501, 74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 74515, 74516, 74517, 74518, 74519, 74520, 74521, 74522, 74523, 74524, 74525, 74526, 75066, 75067, 75068, 75069, 75070, 75071, 80333; **MVZ**: 107717; **USNM**: 282406, 282476, 282477, 282478, 312417, 312418, 312449, 312852, 312853, 312854, 312855, 312856, 312857 - Gizeh (30 00 29 N 31 12 39 E, 22 m): **BMNH**: 1892.9.9.7 (Holotype *Rhinolophus acrotis brachygnatus*) - Kom O Shim (2934N 3055E): **FMNH**: 64267, 64268, 64269, 79671; **USNM**: 312446 - Korosko (2431N 3309E, 119 m): **MSNG**: 44290 - Luxor, near: **FMNH**: 49033, 49034 - Marsa Matruh, 20 mi W (3121N 2654E): **FMNH**: 91447, 91448, 91449, 91450, 91451, 91452, 91453, 91454, 91455; **USNM**: 368697, 368698, 368699, 368700, 368701 - Saqqara (29 51 N 31 13 E, 19 m): **FMNH**: 67620, 67621, 67622, 78832, 78833, 78834, 78835, 78836, 78837, 78838, 78839, 78840, 78841, 78842, 78843, 78844, 78845; **MSNG**: 44854; **SMF**: 41810; **USNM**: 312414, 312415, 312416, 312428, 312429, 312430, 312431, 312432, 312433, 312434, 312435, 312436, 312437, 312438, 312439, 312440, 312441 - Sinai, Wadi El Feiran (284307N 333713E): **FMNH**: 68181, 68182, 68183, 68184, 68185, 68186, 68187, 68188, 68189, 68190 - Valley of the Kings (25 44 N 32 36 E): **FMNH**: 123219, 123220, 123221 - Wadi El Feiran (284307N 333713E): **NMP**: 90498 - Wadi el Natroun (3024N 3018E): **FMNH**: 67625, 74499, 74500; **USNM**: 297739, 297740, 297741, 297743, 297744, 312419 - Wadi Faran (284027N 331526E): **USNM**: 297745, 297746, 297747, 297748.

Eritrea:

Asmara (1520N 3856E, 2363 m): **MZUF**: 6000 - Assab (130530N 424422E, 0 m): **MSNG**: 27583, 44312 - Keren (1546N 3827E, 1400 m): **SMNS**: 986a (Holotype *Rhinolophus acrotis*), 986b (Paratype *Rhinolophus acrotis*) - Sciumagalle Mine (1523N 3851E, 2371m): **MVZ**: 100999, 101004, 101005, 101006, 101007, 101010, 101011 - Sembel (1519N 3854E, 2286 m): **FMNH**: 79289.

Ethiopia:

Unknown locality: **BMNH**: 1937.2.24.10, 1937.2.24.11, 1937.2.24.6, 1937.2.24.7, 1937.2.24.8, 1937.2.24.9, 1970.2203_1, 1970.2203_2, 1970.2203_3, 1970.2203_4, 1970.2203_5, 1970.2203_6, 1970.461, 1970.462, 1972.208_1, 1972.208_2, 1972.208_3, 1972.297, 1972.4313_01, 1972.4313_02, 1972.4313_03, 1972.4313_04, 1972.4313_05, 1972.4313_06, 1972.4313_07, 1972.4313_08, 1972.4313_09, 1972.4313_10, 1972.4313_11, 1972.4313_12, 1972.4313_13, 1972.4313_14, 1972.4313_15, 1972.4313_16, 1972.4313_17, 1972.4313_18, 1972.4313_19, 1972.4313_20, 1972.4313_21, 1972.4313_22, 1972.4313_23, 1972.4313_24, 1972.4313_25, 1972.4313_26, 1972.4339_01, 1972.4339_02, 1972.4339_03 - Aksum (140728N 384328E, 2139 m): **NMP**: pb5503 - Aselle [= Aseita] (0800N 3900E): **USNM**: 462744 - Belegaz Valley (1250N 3820E, 762 m): **FMNH**: 105381, 105382, 105383, 105384 - Bonga, 15 km E (ca. 0717N 3614E, 1660 m): **NMP**: pb5574 - Dangola Washa Caves: **NMP**: pb5550, pb5551 - Dangola Washa Caves (ca. 0820N 3834E): **NMP**: pb5549 - Didessa settlement (09 02 N 36 09 E): **USNM**: 497609, 497610, 497611 - Dinsho (07 06 N 39 47 E): **MNHN**: ZM-MO-1972-486 A, ZM-MO-1972-486 B, ZM-MO-1972-486 C, ZM-MO-1972-486 D - Dogy River Bridge (08 21 43 N 35 53 02 E, 1670 m): **BRTC**: 57935, 57982, 57983, 57985, 57986, 57987, 57988, 57989 - Gondar (123600N 372800E, 2132 m): **MNHN**: ZM-MO-1985-943 - Gondar, 15 mi NE (1237N 3729E): **FMNH**: 28771, 28772, 28773, 28774, 28775, 28776, 28777 - Gondur, 15 mi NE (1237N 3722E): **TM**: 10018 - Gorgora (121425N 371803E, 1828 m): **MZUF**: 6029 - Harrar (091900N 420700E, 1864 m): **MSNG**: 18243, 45630a, 45630b - Hirna (09 13 N 41 06 E): **MNHN**: ZM-MO-1972-487 - Lake Tana (120000N 372000E): **MZUF**: 5649 - Simien National Park (13 21 00 N 38 18 00 E): **NMP**: pb5525.

Gabon:

Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1983-2006.

Kenya:

Unknown locality: **BMNH**: 1926.5.12.20, 1926.5.12.21, 1975.2460, 1975.2460_1, 1975.2460_2, 1975.2461, 1975.2462, 1975.2463, 1975.2464, 1975.2465, 1975.2465_1, 1975.2465_2, 1975.2465_3, 1975.2465_4, 1975.2466, 1975.2467, 1975.2468, 1975.2469, 1975.2470, 1975.2471, 1975.2472, 1975.2473, 1975.2474, 1975.2474_1, 1975.2474_2, 1975.2474_3, 1975.2475, 1975.2476, 1975.2477, 1975.2478, 1975.2478_1, 1975.2478_2, 1975.2478_3, 1975.2478_4, 1975.2478_5, 1975.2479, 1975.2480, 1975.2481, 1975.2482 - Barberton Cave (0045N 3445E): **ROM**: 83930, 91165; **USNM**: 350894 - Barberton Cave (0045N 3445E, 2132 m): **ROM**: 40312, 40313, 40314, 40315, 40316, 40317, 40318, 40319, 40320, 40321, 40322, 40323, 40324 - Central Elgon (0105N 3445E, 1981 m): **ROM**: 65572, 65573, 65574, 65575, 65576, 65578, 65579, 65580, 65581, 65582, 65583, 65584, 65585, 65586, 65587, 65588, 65589, 65590, 65591, 65592, 65593, 65594, 65595, 65596, 65597, 65598, 65599, 65600, 65601, 65602, 65603, 65604, 65775 - Central Elgon East (0105N 3440E): **ROM**: 65803, 65804 - Devil's cave (0045N 3445E): **FMNH**: 152550 - Gilgil, near (ca. 0030S 3619E, 1962 m): **CAS**: 11935 - Kapseta (01 05 N 34 45 E, 2300 m): **MNHN**: ZM-MO-1984-311, ZM-MO-1984-312, ZM-MO-1984-313 - Kaptagat (002204N 352816E): **FMNH**: 152548, 152549; **ROM**: 36317 - Kariandusi mines (00 27 05 S 36 16 55 E): **MMU**: PWW2725, PWW2849, PWW2850, PWW2852, PWW2854, PWW2855 - Kenia Forest: **MCZ**: 16084 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **USNM**: 351225 - Kilifi Creek, head of (0335S 3947E, 61 m): **FMNH**: 152537 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **USNM**: 301522; **WAM**: M23799, M23800 - Kitale, 12 mi W (0102N 3450E): **USNM**: 436529, 436531, 436532, 436533, 436534, 436535, 436536, 436537, 436538, 436539, 436540, 436541, 436543, 436544, 436545, 436546, 436547, 436548, 436549, 436550, 436551, 436552, 436553, 436554, 436555, 436556, 436557, 436558, 436559, 436560, 436561, 436562, 436563, 436613 - Kitale, 12 mi W (0102N 3450E, 1890 m): **USNM**: 436542 - Kitale, 20 mi SW (0045N 3445E, 1829 m): **FMNH**: 152539, 152540 - Kitale, 20 mi SW (0045N 3445E, 1830-2134 m): **USNM**: 351220 - Kongelai Escarpment (012800N 350100E, 1325 m): **ROM**: 39513, 39516, 39583, 39587, 39589, 39590, 39593, 39595, 39602, 39604, 39605, 39608, 39609, 39610, 39611, 39612, 39614 - Koru (00 11 S 35 16 E, 1980 m): **USNM**: 351217 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **USNM**: 350899, 350900, 350901, 350902 - Langata (01 24 S 36 46 E, 1731 m): **ROM**: 38283 - Lumbwa (0012S 3528E): **ROM**: 36315 - Marun River (013708N 353235E, 2286 m): **ROM**: 48544 - Mau Mau cave (00 13 01 S 37 08 14 E): **MMU**: PWW2735, PWW2736 - Menengai (00 12 00 S 35 58 00 E): **USNM**: 577665 - Menengai Caldera (00 12 00 S 36 04 00 E, 1860 - 2865 m): **ZMA**: MAM.20436 - Menengai Crater (00 12 00 S 36 04 00 E, 2103 m): **FMNH**: 152538 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1860-2865 m): **ROM**: 77840; **USNM**: 350889, 350890, 350891, 350892, 350893 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1981 m): **USNM**: 436612 - Molo (00 15 S 35 44 E, 2438 m): **FMNH**: 67889, 67890 - Molo (00 15 S 35 44 E, 2506 m): **CAS**: 11945 - Mount Elgon (01 04 00 N 34 34 00 E, 1890-2250 m): **MCZ**: 31172 - Mount Elgon (ca. 010043N 344415E, 1951 m): **ROM**: 36993, 36995, 36996, 36997, 36998, 36999, 37000, 37001, 37002, 37003, 37004, 37005, 37006, 37007, 37008, 37009, 37010, 37012, 66633, 66634 - Mount Elgon, E face

(ca. 01 03 N 34 44 E, 1890 m): **ROM**: 42956 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1951 m): **ROM**: 50853, 50854, 50855 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 2438 m): **ROM**: 44267 - Mount Kenya, W side (ca. 00 10 00 S 37 20 00 E, 2134 m): **USNM**: 166352 (Holotype *Rhinolophus keniensis*) - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E): **ROM**: 77398, 77399, 77838, 77839; **USNM**: 350896, 350897 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152541, 152542, 152543, 152544, 152545, 152546 - Mt. Elgon-NP, Chepnyalil Cave (0108N 3433E, 2500m): **HNHM**: 95.54.1, 95.54.2 - Naibei's Great Cave (00 50 N 34 42 E): **SMF**: 38521, 39427, 39431 - Nanyuki (00 01 00 N 37 04 00 E, 1986 m): **FMNH**: 152547 - Ngobi Forest (ca. 00 45 S 36 30 E): **ZMA**: MAM.21661 - Saboti, 3 mi [= 4.8 km] SE (0053N 3450E, 1951 m): **USNM**: 436519, 436520, 436521, 436522, 436523, 436524, 436525, 436526, 436527, 436528, 436530 - Shimu Na Kitu: **MNHN**: ZM-MO-1934-729, ZM-MO-1934-730 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 40207 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **USNM**: 375920 - South Kinangop plateau (004351S 363933E, 8000 ft): **CAS**: 11929, 11930, 11931, 11946 - South-East slope of Mount Elgon (ca. 0108N 3433E, 1829 m): **FMNH**: 67891, 67892, 67893, 67894, 67895, 67896, 67897, 67898, 67899, 67900, 67901, 67902 - Sultan Hamud (0202S 3723E): **USNM**: 350903.

Lesotho:

Hermon: **MSNG**: 44908a, 44908b - Hermon (2944S 2707E, 1450 m): **MSNG**: 42305 - Mokhotlong (2929Ac): **NMB**: 6891, 6892, 6893, 6894, 6907, 6983, 6984, 6985, 6986, 6987 - Nkokomele, near (2929Ad): **NMB**: 6980, 6981, 6982 - Oxbow (2828Dc): **NMB**: 8418 - Quthing (3027Bb): **NMB**: 8222 - Sehlabathebe-NP, small dam (2951S 2906E): **NMB**: 6863, 6864, 6865 - Semonkong (2927Dd): **NMB**: 8300 - Thaba Tseka (2928Ca): **NMB**: 7350, 7355.

Malawi:

Unknown locality: **BMNH**: 1922.12.17.11, 1984.1705, 1987.1060, 1987.1061, 1987.1062, 1987.1063, 1987.1064 - Chingwe's Hole (15 20 00 S 35 16 00 E, 1800 m): **ZMA**: MAM.28321, MAM.28322, MAM.28323 - Chongoni Forest Reserve (141807S 341322E): **FMNH**: 192074 - Fort Hill [=Chitipa] (0942S 3316E, 1 300 m): **BMNH**: 1897.10.1.18 (Holotype *Rhinolophus augur zambesiensis*) - Kalimbuka (15 23 S 35 19 E, 800 - 900 m): **ZMA**: MAM.28324 - Likabula mission (15 57 S 35 24 E): **TM**: 41790, 41791 - Likabula river (16 01 00 S 34 47 00 E, 1200 m): **MVZ**: 220903, 220904, 220905 - Misuku-Mughese Mission (= Mugesse, Misuku) (09 41 02 S 33 27 29 E, 1500m): **ZMA**: MAM.28325 - Mughese Forest (0939S 3332E, 1625 m): **FMNH**: 196179 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.28326, MAM.28327, MAM.28328, MAM.28329 - Ncheu [=Ntcheu] (14 49 S 34 38 E, 1081 m): **TM**: 9164 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420 m): **MVZ**: 220898, 220899, 220900, 220901, 220902 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420-1541 m): **NMP**: mw199, mw231, mw232 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1541 m): **FMNH**: 192075, 192076, 192077, 192078 - Zomba Plateau (15 22 S 35 19 E, 5000 ft): **AMNH**: 161915.

Mozambique:

Unknown locality: **MSNG**: 18316 - Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8570, 8572, 8573 - Gurue, 2.9 km N, 8.9 km E (1525S 3704E, 984 m): **FMNH**: 177110 - Gurue, 7.6 km N, 7.2 km E (1524S 3703E, 1707 m): **FMNH**: 177113 - Manho Forest (15 22 09 S 37 03 40 E, 1750 m): **DNSM**: 10840 - Mount Mabu (16 16 57 S 36 22 54 E, 980 m): **DNSM**: 12654 - Mount Mabu forest camp (16 16 57 S 36 22 54 E, 980 m): **DNSM**: 11483, 11484 - Mount Mabu, forest Ridge (16.286477S 36.403013E): **DNSM**: 10838 - Muchena (15 40 56 S 33 48 20 E, 356 m): **TM**: 14659, 14660 - Murabue (152428S 370430E, 1111 m): **FMNH**: 177111 - Murabue (152428S 370430E, 1130 m): **FMNH**: 177112.

Namibia:

Unknown locality: **BMNH**: 1928.9.11.8; **TM**: 43093 - Friedrichswald (2219S 1616E): **FMNH**: 83455 - Nasib (1907S 1737E): **TM**: 11862.

Rwanda:

Bugoye Kisenyi (014200S 293500E): **RMCA**: 12265, 12266, 12267 - Gisenyi (01 42 10 S 29 15 23 E, 1481 m): **SMF**: 92962 - Kibumbu crater, caves 2 and 3 (01 24 35 S 29 32 36 E): **BMNH**: 1992.390 - Kidaho (012212S 294433E, 1944 m): **RMCA**: 87.046-M-0135, 87.046-M-0136, 87.046-M-0137, 87.046-M-0138, 87.046-M-0139, 87.046-M-0140, 87.046-M-0141, 87.046-M-0142, 87.046-M-0143, 87.046-M-0144, 87.046-M-0145, 87.046-M-0146, 87.046-M-0147, 87.046-M-0148, 87.046-M-0149, 87.046-M-0150, 87.046-M-0151, 87.046-M-0152, 87.046-M-0153, 87.046-M-0154, 87.046-M-0155, 87.046-M-0156, 87.046-M-0157, 87.046-M-0158, 87.046-M-0159, 87.046-M-0160, 87.046-M-0161, 87.046-M-0162, 87.046-M-0163, 87.046-M-0164, 87.046-M-0165, 87.046-M-0166, 87.046-M-0167, 87.046-M-0168, 87.046-M-0169, 87.046-M-0170, 87.046-M-0171, 87.046-M-0172, 87.046-M-0173, 87.046-M-0174, 87.046-M-0175, 87.046-M-0176, 87.046-M-0177, 87.046-M-0178, 87.046-M-0179, 87.046-M-0180, 87.046-M-0181, 87.046-M-0182, 87.046-M-0183, 87.046-M-0184, 87.046-M-0185, 87.046-M-0186, 87.046-M-0187, 87.046-M-0188, 87.046-M-0189, 87.046-M-0190, 87.046-M-0191, 87.046-M-0192, 87.046-M-0193, 87.046-M-0194, 87.046-M-0195, 87.046-M-0196, 87.046-M-0197, 87.046-M-0198, 87.046-M-0199, 87.046-M-0200, 87.046-M-0201, 87.046-M-0202, 87.046-M-0203, 87.046-M-0204, 87.046-M-0205, 87.046-M-0206, 87.046-M-0207, 87.046-M-0208, 87.046-M-0209, 87.046-M-0210, 87.046-M-0211, 87.046-M-0212, 87.046-M-0213, 87.046-M-0214 - Musanse (012857S 293603E): **RBINS**: 15479.1, 15479.2, 15479.3, 15479.4, 15479.5, 15479.6, 15480.1, 15480.2, 15480.3 - Mutura (013556S 292256E, 2370 m): **RMCA**: 82.006-M-0046, 82.006-M-0047, 82.006-M-0048, 82.006-M-0049, 82.006-M-0050, 82.006-M-0051, 82.006-M-0052, 82.006-M-0053, 82.006-M-0054, 82.006-M-0055, 82.006-M-0056, 82.006-M-0057, 82.006-M-0058, 82.006-M-0059, 82.006-M-0060, 82.006-M-0061, 82.006-M-0062, 82.006-M-0063, 82.006-M-0064, 82.006-M-0065, 82.006-M-0066, 82.006-M-0067, 82.006-M-0068, 82.006-M-0069, 82.006-M-0070, 82.006-M-0071, 82.006-M-0072, 82.006-M-0073, 82.006-M-0074, 82.006-M-0075, 82.006-M-0076, 82.006-M-0077, 82.006-M-0078, 82.006-M-0079, 82.006-M-0080, 82.006-M-0081, 82.006-M-0082, 82.006-M-0083, 82.006-M-0084, 82.006-M-0085, 82.006-M-0086, 82.006-M-0087, 82.006-M-0088, 82.006-M-0089, 82.006-M-0090, 82.006-M-0091, 82.006-M-0092, 82.006-M-0093, 82.006-M-0094, 82.006-M-0095, 82.006-M-0096, 82.006-M-0097, 82.006-M-0098, 82.006-M-0099, 82.006-M-0100, 82.006-M-0101, 82.006-M-0102, 82.006-M-0103, 82.006-M-0104, 82.006-M-0105, 82.006-M-0106, 82.006-M-0107, 82.006-M-0108, 82.006-M-0109, 82.006-M-0110, 82.006-M-0111, 82.006-M-0112, 82.006-M-0113, 82.006-M-0114, 82.006-M-0115, 82.006-M-0116, 82.006-M-0117, 82.006-M-0118, 82.006-M-0119, 82.006-M-0120, 82.006-M-0121, 82.006-M-0122, 82.006-M-0123, 82.006-M-0124, 82.006-M-0125, 82.006-M-0126, 82.006-M-0127, 82.006-M-0128, 82.006-M-0129, 82.006-M-0130, 82.006-M-0131, 82.006-M-0132, 82.006-M-0133, 82.006-M-0134, 82.006-M-0135, 82.006-M-0136, 82.006-M-0137, 82.006-M-0138, 82.006-M-0139, 82.006-M-0140, 82.006-M-0141, 82.006-M-0142, 82.006-M-0143, 82.006-M-0144, 82.006-M-0145, 82.006-M-0146, 82.006-M-0147, 82.006-M-0148, 82.006-M-0149, 82.006-M-0150, 82.006-M-0151, 82.006-M-0152, 82.006-M-0153, 82.006-M-0154, 82.006-M-0155, 82.006-M-0156, 82.006-M-0157, 82.006-M-0158, 82.006-M-0159, 82.006-M-0160, 82.006-M-0161, 82.006-M-0162, 82.006-M-0163, 82.006-M-0164, 82.006-M-0165, 82.006-M-0166, 82.006-M-0167, 82.006-M-0168, 82.006-M-0169, 82.006-M-0170, 82.006-M-0171, 82.006-M-0172, 82.006-M-0173, 82.006-M-0174, 82.006-M-0175, 82.006-M-0176, 82.006-M-0177, 82.006-M-0178, 82.006-M-

0179, 82.006-M-0180, 82.006-M-0181, 82.006-M-0182, 82.006-M-0183, 82.006-M-0184, 82.006-M-0185, 82.006-M-0186, 82.006-M-0187, 82.006-M-0188, 82.006-M-0189, 82.006-M-0190, 82.006-M-0191, 82.006-M-0192, 82.006-M-0193, 82.006-M-0194, 82.006-M-0195, 82.006-M-0196, 82.006-M-0197, 82.006-M-0198, 82.006-M-0199, 82.006-M-0200, 85.006-M-0001, 85.006-M-0002, 85.006-M-0003, 85.006-M-0004, 85.006-M-0005, 85.006-M-0006, 85.006-M-0007, 85.006-M-0008, 85.006-M-0009, 85.006-M-0010, 85.006-M-0011, 85.006-M-0012, 85.006-M-0013, 85.006-M-0014, 85.006-M-0015, 85.006-M-0016, 85.006-M-0017, 85.006-M-0018, 85.006-M-0019, 85.006-M-0020, 85.006-M-0021, 85.006-M-0022, 85.006-M-0023, 85.006-M-0024, 85.006-M-0025, 85.006-M-0026, 85.006-M-0027, 85.006-M-0028, 85.006-M-0029, 85.006-M-0030, 85.006-M-0031, 85.006-M-0032, 85.006-M-0033, 85.006-M-0034, 85.006-M-0035, 85.006-M-0036, 85.006-M-0037, 85.006-M-0038, 85.006-M-0039, 85.006-M-0040, 85.006-M-0041, 85.006-M-0042, 85.006-M-0043, 85.006-M-0044, 85.006-M-0045, 85.006-M-0046, 85.006-M-0047, 85.006-M-0048, 85.006-M-0049, 85.006-M-0050, 85.006-M-0051, 85.006-M-0052, 85.006-M-0053, 85.006-M-0054, 85.006-M-0055, 85.006-M-0056, 85.006-M-0057, 85.006-M-0058, 85.006-M-0059, 85.006-M-0060, 85.006-M-0061, 85.006-M-0062, 85.006-M-0063, 85.006-M-0064, 85.006-M-0065, 85.006-M-0066, 85.006-M-0067, 85.006-M-0068, 85.006-M-0069, 85.006-M-0070, 85.006-M-0071, 85.006-M-0072, 85.006-M-0073, 85.006-M-0074, 85.006-M-0075, 85.006-M-0076, 85.006-M-0077, 85.006-M-0078, 85.006-M-0079, 85.006-M-0080, 85.006-M-0081, 85.006-M-0082, 85.006-M-0083, 85.006-M-0084, 85.006-M-0085, 85.006-M-0086, 85.006-M-0087, 85.006-M-0088, 85.006-M-0089, 85.006-M-0090, 85.006-M-0091, 85.006-M-0092, 85.006-M-0093, 85.006-M-0094, 85.006-M-0465, 85.006-M-0537, 85.006-M-0538 - Nyundo (014147S 300137E, 1594 m): **RMCA**: 80.055-M-0170 - Ruhengeri (01 30 15 S 29 38 09 E, 1772 m): **MHNG**: 1873.041, 1873.042; **SMF**: 92438, 92439, 92440 - Ubuvumo lava hole: **SMF**: 92961.

Saudi Arabia:

Al Muwaylih [=Mohila] (ca. 27 49 N 35 30 E): **SMF**: 4371 (Lectotype *Rhinolophus clivosus*).

Somalia:

Unknown locality: **BMNH**: 1910.3.27.6, 1910.3.27.7.

South Africa:

Unknown locality: **BMNH**: 1898.4.4.6, 1904.10.1.2, 1904.10.1.3, 1904.10.1.5, 1904.10.1.6, 1907.1.1.283; **MSNG**: 42112; **SMF**: 19556, 19558; **TM**: 43094 - Albert Falls Nature Reserve (29 26 45 S 30 25 43 E, 673 m): **DNSM**: 6020 - Aliwal North (3026Dd): **NMB**: 4321, 4322, 4323 - American cave (25 54 00 S 27 46 00 E): **BRTC**: 36407, 36408, 36409; **DNSM**: 5383; **TM**: 14739, 16410, 16411, 25613, 25614, 25615, 25616, 41266, 41267, 41268, 41269, 41270, 41271, 41272, 41273, 41274, 41275, 41276, 41277, 41278 - Babanango (28.38S 31.08E): **KM**: 23624 - Barberton (2547S 3103E): **TM**: 43011, 43012, 43013, 43014, 43015 - Barberton [=Umhlumna] (2549S 3107E): **TM**: 29480, 29481, 3366 - Barberton tunnel (25 47 58 S 31 02 57 E, 596 m): **DNSM**: 11616, 11617 - Barberton, 14 mi [= 22 km] W (ca. 2547S 3054E): **USNM**: 575255, 575256, 575257, 575258, 575259, 575260, 575261, 575262, 575263, 575264, 575265, 575266, 575267, 575268, 575269, 575270, 575271, 575272, 575273, 575274, 575275 - Barberton, 2 mi [= 3.2 km] SW (2547S 3054E): **USNM**: 381560, 381561, 381562, 381563, 381564, 381565, 381566, 381567, 381568, 381569, 381570, 381571, 381572, 381573, 381574, 381575, 381576, 381577, 381578, 381579, 381580, 381581, 381582, 381583, 384726, 384727, 384728, 384729, 384730, 384731, 384732, 384733, 384734, 384735, 384736, 384737, 384738, 384739, 384740, 384741, 384742, 384743, 384744 - Barberton, 3 km SW (25.88S 31.13E): **USNM**: 381559 - Barkley East (31.08S 27.45E): **KM**: 25016 - Bathurst (33.58S 26.89E): **KM**: 21105 - Bellsbank Estates (2808S 2424E): **TM**: 35986 - Berg River (3352S 1907E): **TM**: 2271, 2272 - Bethlehem (2828Cb): **NMB**: 7659 - Bishopstowe cave (29 34 36 S 30 27 20 E, 823 m): **TM**: 11994, 13742, 13743 - Black Eagle Lodge (23 00 39 S 29 45 49 E, 1350 m): **DNSM**: 13607 - Blinkklip cave (28 18 00 S 23 07 02 E): **DNSM**: 12397, 12398, 12400, 12404 - Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve (2435S 3047E): **TM**: 40301 - Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Chester 235, dam on Blyde River (2440S 3047E): **TM**: 40090 - Bredasdorp (34 23 04 S 19 49 27 E, 166 m): **NHMZ**: 62118 - Bredasdorp, NW (34.38S 19.81E): **KM**: 30468 - Buzzard Mountain Retreat (23 01 S 29 46 E, 1008 m): **DNSM**: 13624 - Camps Bay (33.97S 18.37E): **SAMC**: 33493 - Cape of Good Hope: **MNHN**: ZM-MO-1985-891, ZM-MO-1985-892; **ZMB**: 376, 378 - Cares (25 40 S 28 15 E): **RMCA**: 31125, 31126 - Cave of Death (255136S 281348E): **TM**: 12577 - Clanwilliam (32.12S 18.45E): **KM**: 1807 - Danielskuil, 10 km N (28.1S 23.55E): **MMK**: MAM/2805 - De Hoop Nature Reserve, De Hoop Guano Cave (3426S 2025E): **TM**: 29061, 29062, 29068, 29071, 29073, 29074, 29075, 29076, 29078, 29082, 29083, 29084, 29085, 40572 - De Hoop, NR (34.43S 20.42E): **SAMC**: 35666 - Doornhoek (2822S 2922E): **TM**: 30131, 30145, 30153 - Doornhoek mine (29 36 S 30 31 E, 535 m): **TTU**: 40973 - Dumisa Gold Mine (30 16 05 S 30 26 29 E, 685 m): **TM**: 30129, 30146, 36247, 36260, 36261, 36262, 36263, 36264, 36265, 36266 - Durbanville (33 50 00 S 18 39 00 E, 174 m): **AMNH**: 244298 - Eagles Nest Farm (22 58 26 S 29 55 59 E, 1277 m): **DNSM**: 13590 - Estcourt (29 00 S 29 53 E, 1196 m): **USNM**: 141533, 141534, 141535 - Estcourt (29 00 S 29 53 E, 1418 m): **DNSM**: 19, 20 - Fairview mine (25 43 12 S 31 06 45 E): **DNSM**: 5083 - Farm Berlin 446JT (25 30 47.6 S 30 46 28.6 E): **TM**: 47653 - Farm Bolts Farm (260205.244S 274248.24E): **TM**: 47767 - Farm Brakfontein, Koegelbeen Cave (2839S 2321E): **TM**: 36069, 36073 - Farm Brakfontein, Koegelbeen Cave (2840S 2322E): **TM**: 36059, 36060, 36061, 36062, 36064, 36065, 36066, 36067, 36068, 36070, 36071, 36074 - Farm Brakfontein, Koegelbeen Cave (2841S 2322E): **TM**: 40664, 40665, 40666, 40667, 40668, 40669, 40670 - Farm Cyprus 68 (2412S 3016E): **TM**: 25324, 25325 - Farm De Kafferskraal 53JT (251057S 300852E): **TM**: 47104 - Farm Doornhoek (29 36 00 S 30 31 00 E): **SMF**: 55037 - Farm Elandsfontein 435KT (2437S 3037E): **TM**: 47107 - Farm Faust 743 (2846S 2747E): **TM**: 41579, 41580, 41581, 41582, 41583, 41584, 41585, 41586, 41587, 41588, 41589 - Farm Goudhoek (2818S 3101E): **TM**: 36354, 36357, 36399, 36400, 36401, 36402, 36403, 36404, 36405, 36414, 36415, 36416, 36417 - Farm Grootsuikerboschkop 124 (252436S 300600E): **TM**: 23765 - Farm Haffenden Heights 35KT (24 07 00 S 30 00 30 E): **TM**: 46882 - Farm Klipfontein 407, Echo caves (243328S 303628E): **TM**: 23420, 23421, 23422, 23423, 40846 - Farm Makapansgat 39 (2409S 2911E): **TM**: 4260, 4261 - Farm Makapansgat 39, Makapan cave (2409S 2911E): **TM**: 1013, 1014 - Farm Makapansgat 39, Peppercorn Cave [=Peppercorn's, Peppercorn] (2407S 2912E): **TM**: 12576 - Farm Makapansgat, Makapan cave (2409S 2911E): **TM**: 42998 - Farm Modderfontein, Howel Davies Caves (2420S 2911E): **TM**: 12578, 12579 - Farm Mooiplaas 94 (24 45 S 26 24 E): **TM**: 20479 - Farm Olifantspoort 328 [=Retiefkloof] (25 50 S 27 15 E): **TM**: 19679 - Farm Rietfontein (25 53 S 29 23 E): **TM**: 43086 - Farm Schulpfontien No.472, 16km NW (3005S 171130E): **TM**: 42154, 42155 - Farm Sterkspruit 412KT (24 37 S 30 37 E): **TM**: 46481 - Farm Strathfieldsaye (2952S 3037E): **TM**: 25460 - Farm Sudwalaskraal 271JT (25 22 37.3 S 30 41 30.1 E): **TM**: 47613 - Farm Tweepoort 404 (2636S 3043E): **TM**: 25838 - Farm Victoriaspoort 18IT (2607S 3022E): **TM**: 46374 - Farm Wakkersdal 436KT (2437S 3037E): **TM**: 46485 - Farm Wonderfontein (2548S 2952E): **TM**: 1009 - Farm Wonderfontein 103IQ (2619S 2728E): **TM**: 1001, 1004, 1007, 947, 996, 997, 998, 999 - Farm Wonderfontein 103IQ, Abe Baily Nature Reserve (2619S 2728E): **TM**: 44755 - Farm Wonderfontein 103IQ, Wonderfontein Cave (2619S 2728E): **TM**: 43321, 43322 - Farm Woodstock (2734S 2322E): **TM**: 35793 - Ferncliff Bat Cave (29 32 S 30 20 E, 1000 m): **DNSM**: 12004, 12005, 12006, 14037, 14038, 14039, 14040, 14041, 14042, 5671 -

Ficksburg (2827Db): **NMB**: 6333, 6334, 6335, 6336, 6337, 6338, 6339, 6340, 6341, 7386, 7387, 7388 - Ficksburg, ca 1 km to Clocolan (2827Dd): **NMB**: 4129 - Folderia (2631S 2959E): **TM**: 43024, 43025 - Fort Beaufort (32.78S 26.63E): **KM**: 1735 - Fort Yellond Farm (28 50 59 S 31 13 19 E, 742 m): **DNSM**: 8373, 8374, 8375 - Fort Yolland Farm (28 50 59 S 31 13 19 E, 739 m): **DNSM**: 4875, 4876 - Fountains (25 47 S 28 11 E): **USNM**: 376756, 376757 - Frederikstad (2630S 2709E): **TM**: 7023 - Gamberg (29 14 40 S 18 58 23 E): **DNSM**: 11251 - Garden Castle Nature Reserve (29 47 S 29 11 E, 1820 m): **DNSM**: 2131, 2132, 2133 - Garsfontein (2448S 2818E): **TM**: 43099 - Gatkoppies (2818S 2307E): **TM**: 36091, 36092 - Gauteng province (255612.12S 27492856E): **TM**: 47768 - Gladstone's Nose [mountain] (29 24 S 29 39 E): **TM**: 38105 - Gladysvale Farm (255400S 274600E, 1527 m): **AMNH**: 168142, 168143, 168144; **MVZ**: 117158, 117159, 117160, 117161, 117162, 117163, 117164, 117165, 117166, 117167, 117168, 117169, 117170, 117171, 117172, 117173, 117174, 117175, 117176, 117177, 117178, 117179, 117180, 117181, 117182 - Goegap Nature Reserve (2940S 1759E): **TM**: 42096 - Griekwastad, 25 km NNE (28.63S 23.3E): **MMK**: MAM/2790 - Groendal Wilderness Area (3243S 2519E): **TM**: 28586, 28598, 28630, 28631, 28633, 28634 - Groenkloof (25 48 S 28 12 E): **TM**: 2942 - Grootvadersbosch (33 50 S 20 53 E): **TM**: 8984, 8985, 8986 - Harrismith (2828Bb): **NMB**: 7887, 7890, 7892, 7893, 7894, 7895, 7898, 7899, 7900 - Harrismith [Warden] (2729Cc): **NMB**: 7702, 7719, 7720, 7721, 7723, 7724, 7725, 7726, 7727, 7728, 7729 - Hella Hella Game Valley Estates (29 54 S 30 05 E, 564 m): **DNSM**: 6834 - Hennops River (25 49 34 S 27 59 05 E): **FMNH**: 38137, 38138, 38139, 38140, 38154 - Hester Malan Wild Flower Reserve (2952S 1822E): **TM**: 27582, 34155, 34157, 34158 - Hillside Farm (23 00 59 S 29 47 14 E, 1190 m): **DNSM**: 13533, 13629, 13630 - Hopefield (28 37 11 S 23 19 46 E, 1532 m): **DNSM**: 10139, 10141 - Hopefield mine (33 05 46 S 18 11 59 E): **DNSM**: 12399, 12402, 12407, 12408 - Horo (2537S 3122E): **TM**: 1975, 1976 - Houtbosdorp, 2 mi E (ca. 234855S 295359E): **USNM**: 384292, 384293, 384294, 384295, 384296, 384297, 384298, 384299, 384300, 384301, 384302, 384303 - Humansdorp (33.98S 23.65E): **KM**: 23860 - Insusie Valley (2853S 3103E): **TM**: 1019 - Irene (2552S 2814E): **TM**: 43261, 43262 - Itala Game Reserve (27 33 36 S 31 12 36 E, 922 m): **DNSM**: 3272 - Itala Nature Reserve (27 33 36 S 31 12 36 E): **DNSM**: 3271 - Ithala Game Reserve [=Itala Nature Reserve] (2734S 3013E): **TM**: 31828 - Jagersfontein Commonage (2925Cb): **NMB**: 7561, 7562, 7563, 7564, 7588, 7589, 7592, 7608, 7614, 7615, 7623, 7626, 7638 - Johannesburg (2611S 2804E): **TM**: 1010 - John Nash Nature Reserve (25 54 S 27 46 E): **ROM**: 45703, 77841, 83937; **TM**: 14739a - Jususie valley [=Insuzi valley] (ca. 28 36 S 31 28 E): **BMNH**: 1904.5.1.8 (Holotype *Rhinolophus augur zuluensis*) - Kaalrug (2536S 3133E): **TM**: 47619 - Kaapse Hoop, Farm Drysdale (253300S 304600E): **TM**: 42473 - Kabusi Forest (3231S 271530E): **TM**: 40507, 40508 - Kamberg Nature Reserve (29 29 S 29 41 E, 1800 m): **TM**: 38092 - Kammannassie M.C.A [Camp 2] (3336S 2233E): **TM**: 29732 - Kastrol Nek (2718S 3018E): **TM**: 2896, 2897, 2898 - Kenilworth (3359S 1828E): **MSNG**: 44467 - King William's Town (32 53 00 S 27 24 00 E, 363 m): **AMNH**: 168148; **KM**: 1737; **NHMZ**: 62194 - King William's Town, 18 km NW (32.72S 27.28E): **USNM**: 344269 - Klaserie Private Nature Reserve (2412S 3111E): **TM**: 45514 - Klaver (3147S 1837E): **TM**: 2269, 2270, 2276 - Knysna (3402S 2303E): **TM**: 991, 992, 993, 994, 995 - Koegelbeen Cave (2839.188S 2320.918E): **MMK**: MAM/2777 - Koegelbeen Caves (2823Cb): **NMB**: 11072, 11075, 7502, 7503, 7524, 7525, 7531, 7532, 7535, 7551 - Kok's farm (29 30 S 30 21 E, 1188 m): **TM**: 36193, 36194, 36195, 36196, 36197, 36198, 36199, 36200, 36201, 36202, 36203 - Koster Caves (25.8S 26.93E): **SAMC**: 16185 - Krugersdorp: **TM**: 1012 - Krugersdorp (26.02S 27.73E): **KM**: 6053; **ROM**: 51058, 51059, 51060, 51061, 51062, 51063, 51093, 51094, 51095 - Kuruman (2628S 2227E): **ZMB**: 24928, 24929 - Kuruman (27.45S 23.42E): **MMK**: MAM/2776; **USNM**: 381539 - Kuruman (2727S 2325E): **TM**: 35752, 35753, 35754 - Kuruman (2727S 2325E, 4 000 ft): **BMNH**: 1904.10.1.1 (Holotype *Rhinolophus augur*) - Kuruman, 3 mi [= 4.8 km] E (ca. 272700S 232600E): **USNM**: 381543, 381544, 381545, 381546, 381551, 381552, 381553, 381554, 381555, 381556, 381557, 381558 - Kuruman, 44 km SSE (27.83S 23.58E): **MMK**: MAM/2819 - Kuruman, the Eye (27.45S 23.42E): **USNM**: 381538, 381540, 381541, 381542, 381547, 381548, 381549, 381550 - Ladybrand (2927Ab): **NMB**: 1664 - Ladybrand Commonage (2927Ab): **NMB**: 7395, 7396, 7397, 7398, 7753, 7754, 7755, 7756, 7757, 7758, 7759, 7760, 7761 - Lajuma Mountain Reserve (23 01 22 S 029 15 52 E, 1311 m): **DNSM**: 13484, 13485 - Lajuma Mountain Reserve (23 01 22 S 029 15 52 E, 1501 m): **DNSM**: 13482 - Lajuma Mountain Reserve (23 01 22 S 029 15 52 E, 853 m): **DNSM**: 9159 - Lennox Farm (28 09 20 S 30 17 57 E, 1232 m): **DNSM**: 6116 - Lignite cave (ca. 34 02 00 S 23 02 00 E): **ZMA**: MAM.09010, MAM.09011 - Lormarins (3353S, 1903E): **TM**: 2267 - Louw's Creek (2539S 3118E): **TM**: 43109 - Lusikisiki (31 21 43 S 29 34 24 E, 508 m): **KM**: 26111 - Lydenburg Krantz (2506S 3027E): **TM**: 43087, 43088, 43089, 43090, 43091, 43092 - Maclear (3028Cb): **NMB**: 5880 - Maclear (3028Cc): **NMB**: 5923, 5924, 5925, 5926, 5934, 5935 - Maclear (3028Cd): **NMB**: 5881 - Maitland mine (335912S 251734E): **MVZ**: 117139, 117140, 117141, 117142, 117143, 117144 - Malelane, 12 km SW (25.53S 31.54E): **USNM**: 381584 - Malelane, 7 mi [= 11 km] SW (2533S 3128E): **USNM**: 381585, 381586, 381587, 381588, 381589, 381591, 381592, 381593, 381594, 381595, 381596 - Melmoth (28 35 S 31 23 E, 1000 m): **DNSM**: 8376, 8377, 8378, 8379 - Melmoth (28 35 S 31 23 E, 1050 m): **DNSM**: 4782 - Millwood goldmine (museum) (33 53 20 S 22 59 44 E): **ZMA**: MAM.09009 - Mine at Nababeep (293600S 174600E): **AMNH**: 161601, 168147 - Mine at Nababeep (293600S 174600E, 3300 ft): **AMNH**: 161577, 161578, 161579, 161580, 161581, 161582, 161583, 161584, 161585, 161586, 161587, 161588, 161589, 161590, 161591, 161592, 161593, 161594, 161595, 161596, 161597, 161598, 161599, 161600 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **DNSM**: 2134 - Montagu (33.83S 20.17E): **KM**: 30835 - Monument Park (2548S 2813E): **TM**: 19412 - Moorfield Mountain Farm Nature Reserve (27 52 40 S 29 42 30 E, 1776 m): **DNSM**: 5447 - Nababeep mine (293524S 174516E): **MVZ**: 117997, 117998, 117999, 118000, 118001, 118002, 118003, 118004, 118005, 118006, 118007, 118008 - Namaqualand (30.25S 18.43E): **KM**: 1743 - New Agatha Forest Reserve (2400S 3003E): **TM**: 23688, 23707, 23708, 23717, 23718, 23719, 23720, 23721 - Newcastle, 10 mi S (2752S 2957E): **USNM**: 575217, 575218, 575219, 575220, 575221, 575222, 575223, 575224, 575225, 575226, 575227, 575228, 575229, 575230, 575231, 575232, 575233, 575234, 575235, 575236, 575237, 575238, 575239, 575240, 575241, 575242, 575243, 575244, 575245, 575246, 575247, 575248, 575249, 575250, 575251, 575252, 575253 - Ngome Forest Reserve (27 52 00 S 31 24 45 E): **TM**: 39830, 39849 - Ngome Police Station (2750S 3125E): **TM**: 37163 - Ngqeleni (31.83S 29.3E): **KM**: 26113 - Ngubevu Mine (2844S 3038E): **TM**: 36135, 36136, 36137, 36138, 36139, 36140, 36141, 36142, 36143, 36144, 36145, 36146, 36147, 36148, 36149, 36150, 36151 - Nico Smith Farm, 20 mi W Port Elizabeth (ca. 3358S 2533E): **AMNH**: 168145, 168146; **MVZ**: 117145, 117146, 117147, 117148, 117149, 117150, 117151, 117152, 117153, 117154, 117155, 117156, 117157 - Nkandla Forest Reserve (28 43 25 S 31 07 40 E): **KM**: 23625 - OFD workings (2604S 2745E): **TM**: 1011 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36968 - Onderdownes Wes (313106S 195546E): **USNM**: 575254 - Ookiep (293540S 175254E): **MSNG**: 73 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **KM**: 23643 - Piquetburg (32.77S 18.72E): **KM**: 28957 - Pirie Forest (324300S 271700E, 2000 ft): **AMNH**: 115824 - Pirie Trout hatchery (3243S 2718E): **USNM**: 344270, 344271 - Plettenberg Bay (34.1S 23.38E): **NHMZ**: 64266; **SAMC**: 10132 - Port Edward (31 03 03 S 30 13 41 E, 625 m): **DNSM**: 13404 - Port St. Johns (3138S 2933E): **TM**: 1018 - Postmasburg, 25 km ENE (28.2S 23.28E): **MMK**: MAM/2784, MAM/2801 - Postmasburg, 6 km NE (28.3S 23.12E): **MMK**: MAM/2821 - Potchefstroom (2627Ac): **NMB**: 4991 - Potchefstroom (2642S 2706E): **TM**: 1000, 1002, 1003, 1006, 1008 - Pretoria

(25 42 25 S 28 13 46 E, 1271 m): **TM**: 1015, 6818, 6822, 6824, 6825 - Pretoria (254348S 281048E): **TM**: 13532, 13533 - Pretoria, 30 mi [= 48 km] SW (2559S 2758E): **ROM**: 45994, 45995, 45996 - Pretoria, 6 mi [= 9.6 km] W (ca. 2545S 2805E): **ROM**: 45599 - Prieska, 23 km NNW (29.47S 22.63E): **MMK**: MAM/2785 - Punda Maria Rest Camp (22 41 00 S 31 01 00 E): **KNP**: 54 - Rhin Z: **SMF**: 44809 - Rudyard Cottage (23 01 35 S 29 46 01 E, 987 m): **DNSM**: 13525 - Saasveld Forestry Research Station (3358S 2231E): **TM**: 33451, 33452 - Schaapplaats, Farm 930 (27 55 42 S 28 58 21 E): **NMB**: 7389, 7390, 7391, 7392, 7393 - Schaapsplaats (28 34 28.4 S 28 27 09.4 E): **TM**: 48192 - Skurweberg cave (25 48 S 27 59 E): **TM**: 12206, 12207, 12208, 12209, 12447 - Soetfontein Cave (28 22 12 S 23 03 00 E): **DNSM**: 12403 - Somerset East (33.27S 25.68E): **KM**: 25631 - Songimvelo Nature Reserve (26 00 25 S 30 55 20 E, 2800 m): **DNSM**: 1117, 1118 - Soutpansberg (22 58 48 S 30 15 00 E): **DNSM**: 7227 - Spioenkop Dam (28 40 40 S 29 30 05 E, 1094 m): **DNSM**: 1051 - Spioenkop Dam (28 41 S 29 31 E, 1094 m): **DNSM**: 1050 - Spioenkop Nature Reserve (28 42 S 29 15 E, 1094 m): **DNSM**: 1052 - Sprinkbok, near (29.67S 17.82E): **MMK**: MAM/7043 - Stan Hope Mine (28 33 45 S 31 09 45 E, 864 m): **DNSM**: 14056 - Steenkampskraal Mine (30 59 10 S 18 37 45 E): **DNSM**: 4999, 5011, 5013 - Stellenbosch (33.88S 18.88E): **SAMC**: 10306 - Sterkfontein caves (2601S 2744E): **TM**: 10019, 10151, 10152, 10153, 10154, 10155, 12046, 12169 - Sterkstroom (3126Dc): **NMB**: 5507, 5509 - Sudwala Cave (25 22 S 30 42 E, 845 m): **TM**: 41902, 46643 - The Downs (2408S 3011E): **TM**: 20427 - Town Bush Valley, Town Bush Cave (29 31 00 S 30 18 00 E, 975 m): **TM**: 36243, 36244, 36245, 36246, 36248, 36249, 36250 - Tsitsikamma Guano cave (3401S 2351E): **NMW**: 26126, 26127, 26128, 26129, 26130, 26131, 26132 - Uitkomst, Farm 499 (25 54 00 S 27 46 00 E): **FMNH**: 152551; **ROM**: 45600, 45601, 45602, 45603, 45704, 45705, 45706, 45707, 48685, 77334, 77842, 77843, 77844, 77845; **SMF**: 19557; **USNM**: 342526, 342527, 342528, 342529, 342530, 342531, 342532, 342533, 342534, 342535, 342536, 342537, 342538, 342539, 342540, 342541, 342542, 342543, 342544, 342545, 342546, 342547, 342548, 342549, 342550, 342551, 342552, 342553, 342554, 342555, 342556, 342557, 342558, 342559, 342560, 342561, 342562, 342563, 342564, 342565, 342566, 342567, 342568, 342569, 342570, 342571, 342572, 342573, 342574, 342575, 342576, 342577, 342578, 342579, 342580, 342581, 342582, 344053, 344054, 351949, 351950, 351951, 351952, 351953, 351954 - Uitkyk en Paranie Private Nature Reserve (2536S 3106E): **TM**: 20155, 20156, 20158, 20160, 20161 - Underberg, Trout hatchery (2946S 2930E, 1830 m): **ROM**: 41721 - Uniondale (33.63S 23.16E): **KM**: 23872 - Vendabind, on Levuvhu river: **TM**: 25530 - Venterskroon (26 52 48 S 26 16 12 E): **TM**: 1016, 1017, 2067, 2068, 2069, 2070 - Venterskroon, 1.8 km NW (26 52 39.3 S 27 15 15.2 E): **TM**: 48344, 48345 - Venterskroon, 3 km NNE (26 51 45.2 S 27 17 00.7 E): **TM**: 48347, 48348 - VerlorenValei NR (25 16 39.5 S 30 05 56.3 E): **TM**: 47655 - Vredefort (2627Cd): **NMB**: 5889 - Vredefort Dome World Heritage Site (ca. 2653S 2715E, 1310 m): **FMNH**: 195636, 195637, 195638, 195639, 195640, 195644, 195645, 195646, 195647, 195648, 195649, 195650 - Vredefort Dome World Heritage Site (ca. 2653S 2715E, 1340 m): **FMNH**: 195641, 195642, 195643 - Warrenton, 47 km W (28.13S 24.4E): **MMK**: MAM/2786 - Waterberg, Farm Klipfontein 54JS (2408S 2808E): **TM**: 40201 - Waterberg, Waterberg Game Farm, Dassie Cave (240703S 282308E, 1451m): **TM**: 46402, 46403 - WCNP, Bottelary (3309S, 1805E): **TM**: 41470, 41472 - West Driefontein caves: **TM**: 12619 - Winburg (2827Cc): **NMB**: 10566, 10573, 10574, 10638 - Winburg [Exelsior] (2827Cd): **NMB**: 5900, 5902, 5903, 5904, 5905, 5906, 5907, 5908, 5909 - Wonderboom cave (2541S 2812E): **USNM**: 156340, 156341 - Wonderhoek se kloof (28 30 15 S 28 36 09 E): **NMB**: 7905, 7906, 7907, 7908, 7909, 7910, 7911 - Zastron (3026Bb): **NMB**: 5937, 5939, 5941, 7375 - Zastron Commonage (3027Ac): **NMB**: 7399, 7500, 7501 - Zoetendalsvlei (3443S 1958E): **TM**: 8987 - Zwelitsha (32.72S 27.29E): **KM**: 19607.

South Sudan:

Gilo (04 02 18 N 32 50 43 E, 1736 m): **FMNH**: 79630 - Gilo area (ca. 040218N 325043E): **FMNH**: 108146, 108147, 108148, 108150, 108151 - Gilo, 5 mi S (0402N 3251E): **FMNH**: 108149 - Katire (0405N 3246E): **FMNH**: 78469, 78470, 78471, 78472, 78473, 78474 - Lokwi (040628N 324314E, 1487 m): **FMNH**: 79552 - Lotti forest (0402N 3232E, 1158 m): **FMNH**: 67500 - Nagishot (0416N 3334E, 1067 m): **FMNH**: 79551 - Nagishot (0416N 3334E, 1981 m): **FMNH**: 77648.

Sudan:

Unknown locality: **BMNH**: 1915.3.6.59, 1928.3.11.4 - Delami (115153N 302825E, 641 m): **ROM**: 77214 - Magangani (ca. 12 00 N 34 20 E): **MCZ**: 14469 - Port Sudan (19 36 57N 37 12 59 E, 62 m): **MSNG**: 46965.

Swaziland:

Unknown locality: **BMNH**: 1989.37, 1989.38 - Forbes Reef mine (2611S 3107E): **TM**: 40729 - Lomati Gold Mine (25 49 15 S 31 17 40 E, 520 m): **DNSM**: 7893, 7894 - Malolotja Nature Reserve (26 08 S 31 08 E): **DNSM**: 6228; **TM**: 44874 - Ngwenya [=Byrhtes] (261000S 310300E): **TM**: 45534, 45546 - Nottinghill Mine (25 57 36 S 31 10 12 E): **DNSM**: 8037 - Piggs Peak (25 58 00 S 31 15 00 E): **TM**: 1977, 1978 - Piggs Peak Mine (25 58 00 S 31 15 00 E): **DNSM**: 8047.

Tanzania:

Unknown locality: **BMNH**: 1910.7.2.1, 1910.7.2.2, 1910.7.2.3, 1910.7.2.4, 1964.1502, 1964.1503, 1964.1504, 1964.1505, 1964.1506, 1964.1507, 1964.1508; **HNHM**: 2648.12 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **YPM**: MAM 002142 - Amani-Sigi Forest Reserve (05 07 S 38 39 E, 635 m): **SMF**: 91227, 91228 - Ambangulu Estate (05 05 S 38 26 E, 1120 m): **FMNH**: 147224, 147394 - Ambangulu Estate (05 05 S 38 26 E, 1250 m): **FMNH**: 147392, 147393 - Ambangulu Estate (05 05 S 38 26 E, 1300 m): **FMNH**: 147222, 147223, 147388, 147389, 147390, 147391, 150068, 150069, 150411, 150412, 150413 - Bombo, 7 km S (0420S 3800E, 1100 m): **FMNH**: 151193, 151194, 151423, 151424, 151425 - Chugu Peak, near (06 50 01 S 36 34 19 E): **FMNH**: 197517, 197800 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 1100 m): **FMNH**: 147225, 147395, 147396, 147397 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 870 m): **FMNH**: 150066, 150070, 150071, 151192, 151419, 151420 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 150410, 151418 - Li Junge, mountain: **ZMB**: 50043 - Magamba (0532S 3805E, 1524 m): **ROM**: 77936 - Maua, 4 km N, 1.5 km W (0314S 3728E, 2042 m): **FMNH**: 174169 - Nguru South Forest Reserve (0604S 3731E, 1500 m): **FMNH**: 161264 - Nilo Forest Reserve (04 54 16 S 38 39 45 E, 800 m): **SMF**: 92505 - Rungwe District (09 15 00 S 33 40 00 E, 5000 ft): **RMCA**: 96.037-M-7166 - Tanga region: **SMF**: 93376 - Ugano (1106S 3455E): **NMW**: 19822 - Uluguru mountains (07 10 S 37 40 E): **MCZ**: 20639.

Uganda:

Unknown locality: **BMNH**: 1934.4.1.3, 1934.4.1.4, 1934.4.1.5, 1934.4.1.6, 1964.96, 1964.97, 1973.525_1, 1973.525_2 - Budongo Forest (0146N 3133E, 1067 m): **ROM**: 59242, 59243 - Kisolo (012114S 294154E): **USNM**: 260145, 260146, 260147, 260148 - Kisolo (012114S 294154E, 1829 m): **FMNH**: 26511, 26512, 26513, 26514, 26515 - Kisoro (01 21 14 S 2 41 54 E, 1829 m): **FMNH**: 30588, 30589, 30599, 30612; **SMF**: 44092 - Lake Mutanda (011231S 294031E, 1829 m): **FMNH**: 26510, 30579, 30580, 30581, 30582, 30583, 30584, 30585, 30586, 30587, 30590, 30591, 30592, 30593, 30594, 30595, 30596, 30597, 30598, 30600, 30601, 30602, 30603, 30604, 30605, 30606, 30607, 30608, 30609, 30610, 30611, 30613 - Ruhiza (0103S 2947E, 2350 m): **FMNH**: 160356 - Ruhiza (Impenetrable Forest) (ca. 001600N 313700E, 2438 m): **AMNH**: 219727, 219728, 219729, 219730, 219731, 219732.

Zambia:

Unknown locality: **BMNH**: 1937.12.8.10, 1937.12.8.11, 1937.12.8.12, 1951.638, 1970.350 - Chadiza (14.15S 32.75E): **KM**: 9635 - Fort Jameson [= Chipata] (13.62S 32.65E): **KM**: 9642 - Ipombe Stream (11.23S 24.27E): **NHMZ**: 29624 - Kasama (10.22S 31.17E): **KM**: 9633 - Livingstone (17 51 00 S 25 52 00 E, 3030 ft): **KM**: 1834 - Luangwa Valley, Petauke (14.05S 31.08E): **KM**: 9634 - Nyika Plateau (1035S 3342E): **BMNH**: 1966.5444.

Zimbabwe:

Buchwa Iron Mine (20.47S 30.15E): **NHMZ**: 60705 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **DNSM**: 21; **NHMZ**: 62201; **USNM**: 154585 - Chimanimani, Corner (19.5S 32.75E): **NHMZ**: 58329 - Chirinda (190555S 314049E): **MCZ**: 25081 - Chirinda Forest (20.42S 32.72E): **NHMZ**: 58352 - Chori Dam,Tokwa Ngarwe (16.75S 32.5E): **NHMZ**: 84324 - Cleveland Dam (17.75S 31.0E): **NHMZ**: 58337 - Dunblaine Martin Forest (20.25S 32.75E): **USNM**: 425286 - Esigodini (20.3S 28.93E): **NHMZ**: 3453 - Esigodini, Falcon College (20.22S 28.92E): **NHMZ**: 32335 - Esigodlni, Willow Park (20.28S 28.83E): **NHMZ**: 55636 - Fern Valley (19 03 S 32 39 E): **NHMZ**: 58355 - Fort Cottage (ca. 18 15 25 S 32 44 37 E): **ZMA**: MAM.05658 - Gwanda (20.93S 29.02E): **NHMZ**: 62196 - Gweru (19.42S 29.78E): **NHMZ**: 58371 - Happy Valley Farm (2019S 2843E): **ROM**: 64658, 64675 - Haroni-Rusitu R Confluence (20.03S 33.02E): **NHMZ**: 58575 - Henderson Research Station (17.62S 30.87E): **USNM**: 425282 - Hope Fountain Mission (20.62S 28.62E): **NHMZ**: 32393 - Hwange NR Main Camp (18.73S 26.95E): **NHMZ**: 58348 - Ingwe Mine (20.62S 29.37E): **NHMZ**: 12699 - Inyanga (1807S 3237E): **TM**: 11404 - Lake Mcllwaine (17.9S 30.78E): **NHMZ**: 58335 - Lannerhurst Mine (21.12S 29.37E): **NHMZ**: 58360 - Lanninghurst mine (2104S 2923E): **ROM**: 64744 - Lucilia Port, Shurugwi (19.62S 30.12E): **NHMZ**: 31807 - Marondera (18.12S 31.62E): **NHMZ**: 33392 - Martin Forest Reserve (1942S 3256E): **USNM**: 425287 - Matabeie Sheba Mine, Esigodini (20.37S 28.87E): **NHMZ**: 32183 - Matobo Hills, Lumane Valley (20.58S 28.83E): **NHMZ**: 30679 - Matobo Hills, Mtshelele Valley (20.62S 28.62E): **NHMZ**: 60452 - Matobo Research Station (20.25S 28.75E): **NHMZ**: 81542, 82360 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **ROM**: 64823 - Mutare (18.9S 32.62E): **NHMZ**: 58356 - Mutare Asbestos Mine (18 58 29 S 32 39 20 E): **NHMZ**: 58162 - Ngorima Reserve (19.75S 32.33E): **USNM**: 425285 - Old Mine Adit [=Umtali Old mine] (18 58 29 S 32 39 20 E, 1094 m): **TM**: 34657 - Penhalonga (18.87S 32.62E): **NHMZ**: 58321, 58322 - Princess Farm, Shurugwi (19.62S 29.92E): **NHMZ**: 31862 - Retreat Farm (2014S 3102E): **ROM**: 64972 - Rhodes Inyanga National Park (18 17 S 32 48 E): **TM**: 34754, 34755 - Rusito forest, Rustio River (ca. 195218S 330137E): **TM**: 34760, 34789 - Rusitu Forest (20.03S 32.98E): **NHMZ**: 30059 - Sengereri Hills (17.62S 31.12E): **NHMZ**: 31684 - Shurugwi (19.67S 30.02E): **NHMZ**: 9868 - Shurugwi, 2 km E (19.62S 30.12E): **NHMZ**: 31813 - Singereri Hills (1737S 3107E): **ROM**: 64434, 64440, 64441, 64442, 64443, 64446, 64447, 64453, 64454, 64455, 64456, 64458, 64459, 64460, 64461, 64462, 64463, 64464, 64465, 64468, 64469, 64470, 64471, 64472, 64473, 64474, 64477, 64479, 64480, 64483, 64484, 64485, 64486, 64487 - St Carera Farm (17.5S 31.0E): **NHMZ**: 58179 - Tingwa R (16.62S 30.87E): **NHMZ**: 30089 - Triumph Mine (17.87S 30.87E): **NHMZ**: 58338; **ROM**: 64515 - Twentydales (17.9S 31.17E): **NHMZ**: 80196 - West Nicholson, 5 km W (21.07S 29.37E): **NHMZ**: 58346 - Wolfshaw Pass (19.7S 30.03E): **NHMZ**: 60990 - Zimbabwe Ruins (2017S 3056E): **TM**: 34593.

Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

South Africa:

Barberton (254308S 311558E, 690m): **DNSM**: 11918, 11919 (Paratype *Rhinolophus cohenae*) - Mayo (25 22 12 S 30 44 24 E, 1015m): **DNSM**: 11559, 11560 - Mountainland Nature Reserve (25 45 14 S 31 06 51 E, 741 m): **DNSM**: 11618, 11619, 11620, 7886 (Paratype *Rhinolophus cohenae*), 8626 - Muggiesgat Cave (25 22 00 S 30 42 00 E, 845 m): **DNSM**: 11556 - Sudwala Cave (25 22 S 30 42 E, 845 m): **TM**: 41901 - Sudwala Mines (25 23 24 S 30 40 48 E, 902m): **DNSM**: 11557, 11558 - Sudwala Mines (252324S 304048E, 902m): **TM**: 46641.

Rhinolophus damarensis Roberts, 1946

Angola:

Dolondolo (13.88S 13.13E): **SMW**: 5463 - Huila (15.13S 13.63E): **FMNH**: 84086 - Tchivinguiro (15.13S 13.38E): **SMW**: 6415.

Namibia:

Arnhem Cave (22.7S 18.1E): **SMW**: 12215 - Aus, 22 km E (26.88S 16.38E): **SMW**: 1351 - Daan Viljoen NP (22.63S 16.88E): **SMW**: 6812 - Etosha NP (19.38S 14.63E): **SMW**: 8092 - Farm Zwartmodder 101 (2454S 1617E): **TM**: 37615 - Gobabeb, Namib Desert (23.55S 15.05E): **SMW**: 7071 - Grootfontein, 40 km WNW (19.38S 17.88E): **LACM**: 41608 - in Villa...: **TM**: 43860 - Karibib (21 56 S 15 50 E, 1139 m): **BMNH**: 1925.1.2.285 - Klein Windhoek: **BMNH**: 1935.1.6.17 - Kochina (27 12 S 18 52 E): **TM**: 8288, 8289, 8290, 8291, 8292, 8293, 8294, 8295, 8296 - Oberdorf, Bethanie (26.13S 17.13E): **SMW**: 10148 - Okahandja (21 59 S 16 55 E, 1324 m): **ZMB**: 50067 - Okongava (22.13S 15.88E): **SMW**: 6780 - Oserikari (2156S 1705E): **TM**: 9474 (Holotype *Rhinolophus darlingi damarensis*) - Otjimbingue (2215S 1610E): **ZMB**: 50071, 50072, 50073 - Otjosongombe, Waterberg (20.29S 16.36E): **BMNH**: 1935.1.6.18 - Outjo, SW (20.3S 15.83E): **SMW**: 7851 - Sinclair Mine (25.63S 16.63E): **SMW**: 2699 - Swakopmund (2339S 1503E): **TM**: 12925 - Waterberg 416 (20.63S 17.38E): **SMW**: 4311 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **SMW**: 6817; **TM**: 8297.

South Africa:

Augrabies Waterfall Natational Park (2837S 2022E): **TM**: 16977, 16978 - Buxton Mine (27 37 S 24 37 E, 1087 m): **TM**: 35878, 35879, 36093, 36094, 36095, 36096 - Cape Town (33 55 00 S 18 25 00 E, 6 m): **USNM**: 545222 - Danielskuil, 10 km N (28.1S 23.55E): **MMK**: MAM/2912 - Farm Brakfontein, Koegelbeen Cave (2839S 2321E): **TM**: 35991 - Farm Brakfontein, Koegelbeen Cave (2840S 2322E): **TM**: 35987, 35988, 35989, 35992, 36058, 36063 - Farm Keikamspoort 71 (2950S 2247E): **TM**: 27206, 27288, 27289, 27290 - Gamsberg Inselberg, Aggeneys (29.25S 18.92E): **MMK**: MAM/7097 - Good house Bay (28 54 45 S 18 12 39 E, 650 ft): **USNM**: 479222, 479223, 479224, 479225, 479226, 479227, 479228, 479229, 479230, 479231, 479232, 479233 - Goodhouse (28.9S 18.25E): **USNM**: 479221 - Griekwastad, 25 km NNE (28.63S 23.3E): **MMK**: MAM/2900 - Hopefield (28 37 11 S 23 19 46 E, 1532 m): **DNSM**: 10138, 10144 - Hopefield mine (33 05 46 S 18 11 59 E): **DNSM**: 12396 - Kakamas, 47 km NW (28.45S 20.32E): **MMK**: MAM/2810 - Koegelbeen Cave (2839.188S 2320.918E): **MMK**: MAM/2926 - Koegelbeen Cave, near (28.63S 23.38E): **MMK**: MAM/1434 - Koegelbeen Caves (2823Cb): **NMB**: 7526 - Marydale, 31 km NE (29.18S 22.3E): **MMK**: MAM/2837 - Namaqualand (28.29S 16.97E): **KM**: 28202 - Postmasburg, 25 km ENE (28.2S 23.28E): **MMK**: MAM/2880 - Postmasburg, 6 km NE (28.3S 23.12E): **MMK**: MAM/1922 - Prieska, 23 km NNW (29.47S 22.63E): **MMK**: MAM/2881 - Prieska, 26 km NW (29.45S 22.62E): **MMK**: MAM/2840 - Prieska, 4 km W (29.63S 22.75E): **MMK**: MAM/2864 - Prieska,

near (29.63S 22.63E): **MMK**: MAM/2877 - Soetfontein Cave (28 22 12 S 23 03 00 E): **MMK**: MAM/6955 - Taung (27 32 00 S 24 48 00 E, 1101 m): **TM**: 48040.

Rhinolophus darlingi K. Andersen, 1905

"Africa":
Unknown locality: **ZMA**: MAM.26217.

Angola:
Unknown locality: **BMNH**: 1864.8.16.3, 1867.8.16.3.

Benin:
Bimbereke (1014N 0240E, 449 m): **USNM**: 421372.

Botswana:
Francistown, 18 km S (21.3S 27.5E): **NHMZ**: 64254 - Francistown, 32 km N (20.9S 27.5E): **NHMZ**: 64253 - Gaberones, 5 mi W (ca. 2439S 2554E): **USNM**: 382645 - Makalamabedi Resource Area (20.37S 23.87E): **NHMZ**: 32850 - Molepolole (2424S 2531E): **MVZ**: 117992 - Savuti R (18.62S 24.12E): **NHMZ**: 64252.

Egypt:
Giza Pyramids (29 58 N 31 07 E): **CAS**: 16974, 16975, 16976, 16977, 16978.

Kenya:
Unknown locality: **BMNH**: 1951.390.

Lesotho:
Sehonghong (2928Db): **NMB**: 8481, 8482.

Malawi:
Fort Johnston [= Mangochi] (142800S 351600E, 469 m): **BMNH**: 1895.8.18.2 - Likabula mission (15 57 S 35 24 E): **TM**: 41799.

Mozambique:
Kanganatole, 8 km N (18.38S 34.38E): **NHMZ**: 64264 - Mezimbite (19 35 S 34 43 E): **USNM**: 365203.

Namibia:
Unknown locality: **SMF**: 19555.

Nigeria:
Kagoro (09 36 28 N 08 23 25 E, 863 m): **BMNH**: 1982.550, 1982.551; **HZM**: 8.11941; **ROM**: 84052, 86052, 86057, 86059, 86060, 86061 - Nindam Forest Reserve (0928N 0819E): **ROM**: 86935.

South Africa:
Unknown locality: **BMNH**: 1973.1267 - Anthrax camp (22 25 30 S 31 12 30 E): **TM**: 42008 - Barberton (25 43 09.2 S 31 15 56.5 E, 786 m): **TM**: 47661 - Barberton (2547S 3103E): **TM**: 42975 - Birthday Goldmine (2322S 3052E): **TM**: 2541 - Black Eagle Lodge (23 00 39 S 29 45 49 E, 1350 m): **DNSM**: 13606 - Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes] (2441S 3050E): **TM**: 40091, 40092, 40093 - Boekenhoufontein (25 13 00 S 27 06 00 E): **ROM**: 119478 - Dongolakop (2214S 2941E): **TM**: 10017 - Doorndraai Dam Nature Reserve (2416S 2843E): **TM**: 44525 - eGodeni (28 05 00 S 32 02 01 E): **DNSM**: 3274 - Farm Baviaanspoort (2541S 2822E): **TM**: 42952, 42953, 42954, 42978, 42979, 42980, 42981, 42982 - Farm Baviaanspoort 330 (254048S 282136E): **TM**: 2103, 2104, 2105, 2106, 2107, 2879 - Farm Cyprus 68 (2412S 3016E): **TM**: 25315, 25316, 25323 - Farm Elandsfontein 435KT, Bourke's Luck (2440S 3048E): **TM**: 46482 - Farm Kunkuru (2753S 2749E): **TM**: 47079 - Farm Liverpool 202: **TM**: 41540 - Farm Mooigenoeg 83 (2442S 2620E): **TM**: 23578, 23579 - Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave (24 37 05 S 27 39 08 E): **ROM**: 77817 - Farm Sterkfontein 173 IQ (26 01 43.4 S 27 42 37.2 E): **TM**: 47947 - Farm Tweefontein 523 JQ (255427.7S 274621E): **TM**: 47757 - Farm Tweefontein 523 JQ (255612.1S 274928.6E): **TM**: 47765 - Ghost Mountain (27 37 00 S 32 05 00 E): **DNSM**: 4573, 4574 - Gravelotte Mine (2357S 3036E): **TM**: 42949, 42950 - Gravelotte mines (23 57 S 30 37 E): **TM**: 3993, 3994, 3996, 3997, 3998, 3999, 4000, 4001 - Greefswald [= Mapungubwe] (2212S 2922E): **TM**: 20394, 20395, 20401, 20402 - Grootkloof (25 10 35 S 27 05 53 E): **TM**: 40746 - Hans Strydom Dam Nature Reserve (240000S 274600E): **TM**: 44198 - Hluhluwe-Imfolozi Park, HQ (28 04 08 S 32 02 02 E): **DNSM**: 3273 - Kleinfontein (2525S 2620E): **USNM**: 575215, 575216 - Kruger National Park (25 03 38 S 31 19 19 E): **KNP**: 109 - Lajuma Mountain Reserve (23 01 22 S 029 15 52 E, 1501 m): **DNSM**: 13483 - Lajuma Wilderness Camp (23 02 18 S 29 26 34 E, 1086 m): **DNSM**: 13535 - Lajuma, wetland (23 02 18 S 29 26 34 E, 1334 m): **DNSM**: 13546 - Leydsdorp, unspecified location (2359S 3031E): **TM**: 4828, 4829, 4830 - Lobatsi [intermittent stream] (2511S 2549E): **ZMB**: 50041 - Louw's Creek (2539S 3118E): **TM**: 2476 (Holotype *Rhinolophus darlingi barbertonensis*) - Madikwe GR (24 45 58.3 S 26 22 15.5 E): **TM**: 48018, 48019, 48020, 48021 - Mahlangeni (23 38 50 S 31 08 47 E): **KNP**: 11 - Makupana cave (2509S 3112E): **TM**: 13474, 13475 - Malelane (2527S 3130E): **TM**: 30037 - Malelane Old Mine Shaft (ca. 2528S 3131E): **TM**: 47618 - Malelane, 12 km SW (25.53S 31.54E): **USNM**: 381590 - Manxeba windmill (22 24 S 31 14 E): **TM**: 42009 - Mashikiri windmill (2235S 3111E): **TM**: 36986, 36987 - Matupa Koppie (25 03 38 S 31 19 19 E): **KNP**: 65, 67, 68 - Melmoth (28 35 S 31 23 E, 1050 m): **DNSM**: 8368 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 457 m): **ROM**: 41719, 41720 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **ROM**: 41718; **TM**: 37156 - Nwanetzi, 1 km N (2427S 3158E): **AMNH**: 257157 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36972 - Percy Fyfe Nature Reserve (2402S 2908E): **TM**: 44208 - Phinda Game Reserve (27 51 49 S 32 16 29 E, 120 m): **DNSM**: 6331 - Phinda Game Reserve, Cave 3 (27 51 17 S 032 16 32 E, 95 m): **DNSM**: 13154, 13155 - Pretoria (254348S 281048E): **TM**: 2108 - Rhenosterkoppies (25 07 38 S 31 36 06 E): **TM**: 39708, 39709, 39710, 39711, 39712, 39713, 39714, 39715, 39716, 39717, 39718, 39719 - Sandile's Cave (3237S 2717E): **TM**: 36579 - Shashi-Limpopo River confluence (2211S 2922E): **TM**: 45096, 45098 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **AMNH**: 257158, 257159, 257160, 257161, 257164 - Skukuza Koppies (25 06 S 31 36 E): **KNP**: 07, 08, 09, 10; **TM**: 13476, 13477, 13478, 13479, 13480 - Stoltzneck dam (2522S 3122E): **TM**: 30046, 30047 - Thabazimbi, 16 mi SE [=Waterval Farm] (243524S 273636E): **USNM**: 575199, 575205, 575206, 575207 - Tshokwane picnic spot, 12 km E (24 47 01 S 31 58 43 E): **TM**: 39733, 39734 - Tshokwani (244635S 315121E): **AMNH**: 257162, 257163 - Uitkyk en Paranie Private Nature Reserve (2536S 3106E): **TM**: 20159 - Umpila Cave (27 34 59 S 32 13 01 E): **DNSM**: 7375 - Waterberg Game Farm (240659.472S 282317.88E): **TM**: 47095 - Waterberg, Farm Platbos (2413S 2752E): **TM**: 24784 - Waterberg, Waterberg Game Farm, Dassie Cave (240703S 282308E, 1451m): **TM**: 46397 - WNLA Dam (2427S 3158E): **TM**: 39657, 39658 - Wonderkop Nature Reserve (231250S 283930E): **TM**: 44605.

Swaziland:

Balagane (260600S 313400E, 323 m): **ROM**: 68844, 68846 - Maguga Dam (26 04 27 S 31 15 43 E): **DNSM**: 8039 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **DNSM**: 5826; **TM**: 44891 - Mlawula Nature Reserve, site 1 (26 10 49 S 32 02 57E): **TM**: 47742, 47744 - Mlawula Road, 4 km from junction (26 10 25 S 31 59 33 E): **DNSM**: 5821 - Python Pool (ca. 26 11 30 S 32 00 18 E): **DNSM**: 9862.

Tanzania:

Unknown locality: **BMNH**: 1964.1501; **SMF**: 79623 - Lindi (10 00 S 37 43 E, 0 m): **SMF**: 79642 - Mbeya region: **SMF**: 79624, 79625 - Seronera (02 25 S 34 50 E, 1463 m): **AMNH**: 188272.

Togo:

Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.011-M-1060.

Uganda:

Soroti (0140N 3330E, 914 m): **ROM**: 38346, 38347.

Zambia:

Fort Jameson [= Chipata] (13.62S 32.65E): **KM**: 9636.

Zimbabwe:

Unknown locality: **BMNH**: 1895.7.1.6, 1902.2.7.6, 1948.231, 1948.402, 1948.503, 1949.107 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 13104 - Chikupu [=Chikupo] Caves (17 23 S 31 17 E): **NHMZ**: 58419 - Chikwarakwara, Pesu R Gorge (22.28S 31.2E): **NHMZ**: 58388, 84092 - Chinhoyi, Badze Cave (17.17S 29.19E): **NHMZ**: 31139 - Chinhoyi, Baruka Cave (17.37S 30.08E): **NHMZ**: 58420 - Chiredzi (21 03 S 31 40 E, 437 m): **NHMZ**: 60738 - Chivi (20.3S 30.52E): **NHMZ**: 30079 - Cleveden Farm, Mangwe (20.87S 28.12E): **NHMZ**: 60729 - Dete (18.62S 26.85E): **NHMZ**: 58383 - Dick's Mine, Mutanda (19.13S 32.13E): **NHMZ**: 33677 - Doddieburn Ranch (21.4S 29.35E): **NHMZ**: 79465 - Dwala Ranch, Bubiana (21.12S 29.62E): **NHMZ**: 30586 - Eirene farm (18 23 S 31 37 E): **NHMZ**: 58408 - Esigodini, Willow Park (20.28S 28.83E): **NHMZ**: 80161 - Farm 26, Kwekwe (18.93S 29.82E): **NHMZ**: 60987 - Glenisla, Marondera (18.18S 31.6E): **NHMZ**: 58413 - GreatZimbabwe (20.28S 30.93E): **NHMZ**: 58396; **USNM**: 470252 - Gumela Farm, Kezi (20.62S 28.37E): **NHMZ**: 60768 - Happy Valley Farm (2019S 2843E): **ROM**: 64676 - Harare, Atlantica Research Station (17.75S 31.0E): **NHMZ**: 58390 - Harare, Borrowdale (17.83S 31.07E): **NHMZ**: 62030 - Homestead Mine (20.3S 28.93E): **NHMZ**: 32223 - Hope Fountain Mission (20.62S 28.62E): **NHMZ**: 33383 - Hwange NP, Main Camp (18.73S 26.95E): **NHMZ**: 58373 - Hwange NP, Ngamo Pan (19.13S 27.47E): **NHMZ**: 58374 - Kanyemba (15.65S 30.33E): **NHMZ**: 62048 - Kudu Asbestos Mine (20.37S 29.12E): **NHMZ**: 32287 - Lake Mcllwaine (17.9S 30.78E): **NHMZ**: 58407 - Lannerhurst Mine (21.12S 29.37E): **NHMZ**: 58375 - Lanninghurst mine (2104S 2923E): **ROM**: 64706, 64707, 64708, 64709, 64710, 64711, 64712, 64713, 64714, 64715, 64716, 64728, 64730, 64731, 64732, 64733, 64736, 64737, 64738, 64739, 64740, 64741, 64742, 64758, 64759, 64760, 64761 - Mabura 2 Cave, Munyati R (18.12S 29.37E): **NHMZ**: 31733 - Mangwe, Vashu Farm (20.87S 28.12E): **NHMZ**: 60728 - Masvingo,16 km W (20.12S 30.87E): **NHMZ**: 58428 - Matabele Sheba Mine (20.37S 28.87E): **NHMZ**: 32186 - Matobo Hills, Bale Hill Cave (20.55S 28.48E): **NHMZ**: 60734 - Matobo Hllis, Lumane Valley (20.58S 28.83E): **NHMZ**: 29891 - Matobo NP, Gordon Park (20.47S 28.53E): **NHMZ**: 65240 - Matobo Research Station (20.25S 28.75E): **NHMZ**: 81515 - Mazoe (17 31 00 S 30 58 00 E, 4 000 ft): **BMNH**: 1895.8.27.1 (Holotype *Rhinolophus Darlingi*) - Mazowe (17.06S 30.96E): **BMNH**: 1904.12.1.3 - Mberengwa Mountain (20.62S 29.92E): **NHMZ**: 30485 - Mineral King Farm (2030S 2827E): **ROM**: 70872 - Morgenster Mission (20 18 41 S 030 55 49 E): **NHMZ**: 83850 - Mushandike NP (20.13S 30.63E): **NHMZ**: 58432 - Mutare Asbestos Mine (18 58 29 S 32 39 20 E): **NHMZ**: 33393 - Netridge Farm (20.12S 30.62E): **NHMZ**: 58434 - Nyamunyeche (16.77S 30.95E): **NHMZ**: 56220 - Nyandia Dam (17.0S 32.0E): **NHMZ**: 84272 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32565 - Odzi (18.95S 32.38E): **BMNH**: 1949.441 - Old Mine Adit [=Umtali Old mine] (18 58 29 S 32 39 20 E, 1094 m): **TM**: 34661 - Penalice Farm: **HNHM**: 95.85.1 - Peterhouse School (18.18S 31.62E): **NHMZ**: 58411 - Princess Farm (19.62S 29.92E): **NHMZ**: 31857 - Radio Mine (20.37S 28.87E): **NHMZ**: 32358 - Ramofu Cave (20.0S 30.0E): **NHMZ**: 60731 - Red Hill Mine (20.37S 28.87E): **NHMZ**: 32394 - Rhodes Inyanga National Park (18 17 S 32 48 E): **TM**: 35022, 35028 - Rusito forest, Rustio River (ca. 195218S 330137E): **TM**: 34766 - Rusper Farm (1750S 3047E): **ROM**: 64489, 64490, 64491 - Saffron Walde R, Farm (17.87S 30.87E): **NHMZ**: 58389 - Samalema Gorge, Mwenezi R (21.87S 31.37E): **NHMZ**: 58423 - Sengereri Hills (17.62S 31.12E): **NHMZ**: 31735 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 31655 - Shurugwi, 2 km E (19.62S 30.12E): **NHMZ**: 31816 - Singereri Hills (1737S 3107E): **ROM**: 64433, 64478 - St Carera Farm (17.5S 31.0E): **NHMZ**: 58181 - Tingwa R, Mavuradonha (16.62S 30.87E): **NHMZ**: 30090 - Vumba National Park (19 05 S 32 45 E): **USNM**: 425283 - West Nicholson, 5 km W (21.07S 29.37E): **NHMZ**: 58386 - Zimbabwe National Park (201800S 305700E): **ROM**: 70853, 70854 - Zimbabwe Ruins (2017S 3056E): **TM**: 34592 - Ziwa Nyanga (18.12S 32.87E): **NHMZ**: 58429.

Rhinolophus deckenii Peters, 1868

Kenya:

Unknown locality: **RMNH**: MAM.32104 - Diani Forest (04 20 S 39 32 E): **ZMA**: MAM.20757, MAM.20758, MAM.20759, MAM.20760, MAM.20761, MAM.20762 - Gedi (03 18 S 40 01 E, 7 m): **WAM**: M16553 - Gedi National Park (03 18 S 40 01 E, 7 m): **FMNH**: 48827 - Kichakasimba (04 20 57 S 39 21 33 E): **CUMV**: 13719 - Kilifi Creek, head of (0335S 3947E, 61 m): **FMNH**: 152536 - Kilifi, 10 km S (0337S 3950E): **ROM**: 83932 - Makandara Forest (ca. 04 15 S 39 23 E): **ZMA**: MAM.20763 - Mombasa, S of (0404S 3940E): **USNM**: 347386 - Rumuruti (0016N 3632E, 1821 m): **CAS**: 12550 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **ZMA**: MAM.20755, MAM.20756.

Mozambique:

Chinizuia Forest (18 58 38 S 35 03 20 E): **DNSM**: 8560.

Tanzania:

Unknown locality: **BMNH**: 1901.5.1.8 - Bumbwini (0558S 3911E): **MCZ**: 33127 - Chita, 4.5 km W (0831S 3554E, 600 m): **FMNH**: 155663 - Chugu Peak, near (06 50 01 S 36 34 19 E): **FMNH**: 197801, 197802 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 150409 - Juani Island (080036S 394631E): **FMNH**: 187365, 187415 - Juani village (0759S 3947E, 10 m): **FMNH**: 187364 - Kanga Ngome Forest (ca. 07 51 14 S 39 46 49 E): **FMNH**: 182544; **SMF**: 79636, 79637 - Kiwengwa-Pongwe Forest Reserve cave (0601S 3922E, 29 m): **FMNH**: 198046, 198048 - Kwabaniani caves (0610S 3921E, 25 m): **FMNH**: 198050, 198051 - Kwambumi Forest Reserve (0457S 3844E, 230 m): **FMNH**: 153850, 153927 - Lindi region: **SMF**: 19450, 19451, 19452, 79638, 79639, 79640, 79641, 82525, 82526 - Mahenge Scarp Forest Reserve (0837S 3643E, 800 m): **FMNH**: 182607 - Mangula (0751S 3652E, 350 m): **FMNH**: 158588, 158589 - Mararenge (08 55 S 39 34 E): **ROM**: 35302, 35303 - Maruwa Jongo cave (ca. 0507S 3945E): **FMNH**: 192782, 192783 - Mawarenge (093600S 390200E, 164 m): **AMNH**: 208338, 208339, 208340, 208341, 208342, 208343

- Maziwa ya Ngombe (0459S 3952E, 1 m): **MCZ**: 33128 - Mikumi National Park (07 15 00 S 37 05 00 E, 876 m): **FMNH**: 180836, 180837, 180838, 180839, 180840, 180854, 180855, 180856, 180857 - Mlola Forest (0753S 3951E, 20 m): **FMNH**: 182540, 182541, 182542, 182543, 187362, 187363, 187413, 187414 - Morogoro region: **SMF**: 62865 - Mwanamakuku cave (0518S 3748E, 1 m): **FMNH**: 192781, 192847, 192848 - Nyumbanitu Forest (0751S 3622E, 1630 m): **FMNH**: 169526 - Pwani region: **SMF**: 75883, 75884 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ROM**: 77789 - Tanga region: **SMF**: 79634, 79635, 82496, 82497, 83505, 83506, 83616, 85517, 85532, 85533, 86682, 86683, 86684, 87311, 90886, 92502, 92503, 93217, 93218, 93219, 93350, 93351, 93352, 93353, 93356, 93371, 93372, 93373 - Udzungwa National Park (0831S 3556E, 1100 m): **FMNH**: 158590, 158591 - Ukami Forest (0753S 3623E, 1110 m): **FMNH**: 169530, 169531 - Uluguru Mts, Uluguru North Forest Reserve (065500S 374200E, 1345 m): **FMNH**: 158492 - Zanzibar (06 10 S 39 20 E): **ZMB**: 3269.

Rhinolophus denti Thomas, 1904

Botswana:

Aha Hills, 10 mi [=16 km] N (ca. 1940S 2100E): **USNM**: 367696 - Drotsky Cave (20 07 S 21 22 E): **NHMZ**: 62082; **SMF**: 54254 - Drotsky's [= Drodsky] Caves (20 07 S 21 22 E): **TM**: 41011, 41012; **USNM**: 322840, 322855, 322856, 322857, 322858, 322859, 322860, 322861, 322862, 322863, 322864, 322865, 322866, 322867, 322868, 322869, 322870, 322871, 322872, 322873, 322874, 322875, 322876, 322877, 322878, 322879, 322880, 322881, 322882, 322883, 322884, 322885, 322886, 322887, 367683, 367684, 367685, 367686, 367687, 367688, 367689, 367690, 367691, 367692, 367693, 367694, 367695, 368655, 368656, 368657, 368658, 368659, 368660, 368661, 368662, 368663, 368664, 368665, 368666, 368667, 368668, 368669, 368670, 368671, 425279, 425280, 425281, 575819, 575820, 575821, 575822, 575823, 575824, 575825, 575826, 575827, 575828, 575829, 575830, 575831, 575832, 575833, 575834, 575835, 575836, 575837, 575838, 575839, 575840, 575841, 575842, 575843, 575844, 575845, 575846, 575847, 575848, 575849, 575850, 575851, 575852, 575853, 575854, 575855, 575856, 575857, 575858, 575859, 575860, 575861, 575862, 575863, 575864, 575865, 575866, 575867, 575868, 575869, 575870, 575871, 575872, 575873, 575874, 575875, 575876, 575877, 575878, 575879, 575880, 575881, 575882, 575883, 575884, 575885, 575886, 575887, 575888, 575889, 575890, 575891, 575892, 575893, 575894, 575895, 575896, 575897, 575898, 575899, 575900, 575901, 575902, 575903, 575904, 575905, 575906, 575907, 575908, 575909, 575910, 575911, 575912, 575913, 575914, 575915, 575916, 575917, 575918, 575919, 575920, 575921 - Kaikai, 35 km SE (20.13S 21.63E): **NHMZ**: 64259 - Khuis (26.67S 21.83E): **NHMZ**: 64260 - Tsodilo Hills (18.87S 21.62E): **NHMZ**: 64261.

Burkina Faso:

Natiaboani (11 41 57 N 00 30 22 E, 268 m): **RMCA**: 97.077-M-3160.

Côte d'Ivoire:

Banama Blanc (0945N 0550W): **FMNH**: 105206.

Ghana:

Pulima (105100N 020300W): **USNM**: 414972.

Guinea:

Kolenté, 10 km W (ca. 1005N 1230W, 400 m): **SMNS**: 6111 (Holotype *Rhinolophus denti knorri*), 6112 (Paratype *Rhinolophus denti knorri*), 6112a (Paratype *Rhinolophus denti knorri*) - Salung Plateau, cave near Nyembaro: **ZFMK**: 1959.0174 (Paratype *Rhinolophus denti knorri*), 1959.0175 (Paratype *Rhinolophus denti knorri*).

Namibia:

Arnhem Cave (22.7S 18.1E): **SMW**: 3507 - Etosha NP,Okaukuejo (19.13S 15.88E): **SMW**: 8116 - Farm Ghaub 47 (19 28 S 17 45 E): **LACM**: 41930 - Farm Sissekab: **SMF**: 28252 - Grootfontein (2502S 1648E): **ZMB**: 50045 - Hoba 322, Grootfontein (19.63S 17.88E): **SMW**: 7082 - Namibi-Naukluft NR (22.63S 15.63E): **SMW**: 7608 - Ombalantu (17.38S 14.88E): **SMW**: 1165 - Opuwo, 70 km S (17.47S 13.03E): **LACM**: 58982 - Otjimbingue (2215S 1610E): **ZMB**: 50069, 50070 - Outjo, SW (20.3S 15.83E): **KM**: 28198 - Rehoboth, 20 km NW (22.67S 16.83E): **LACM**: 56202 - Uis tin mine (2114S 1452E): **ROM**: 77846 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **ZMB**: 50057, 50060.

Nigeria:

Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 84053.

South Africa:

Bellsbank Estates (2808S 2424E): **TM**: 35974, 35975, 35976, 35977, 35978, 35979, 35980, 35981, 35982, 35983, 35984, 35985 - Blinkklip cave (28 18 00 S 23 07 02 E): **DNSM**: 12406 - Farm Brakfontein, Koegelbeen Cave (2840S 2322E): **TM**: 35960, 35961, 35962, 35963, 35964, 35965, 35966, 35967, 35968, 35969, 35970, 35971, 35990, 35993, 35994, 35995, 35996, 35997, 35998, 35999, 36000, 36001, 36002, 36003, 36004, 36005, 36006, 36007, 36008, 36009, 36010, 36011, 36012, 36013, 36014, 36015, 36016, 36017, 36018, 36019, 36020, 36021, 36022, 36023, 36024, 36025, 36026, 36027, 36028, 36029, 36030, 36031, 36032, 36033, 36034, 36035, 36036, 36037, 36038, 36039, 36040, 36041, 36042, 36043, 36044, 36045, 36046, 36047, 36048, 36049, 36050, 36051, 36052, 36053, 36054, 36055, 36056, 36057, 36075, 36076, 36077, 36078, 36079, 40649, 40650, 40651, 40652, 40653, 40654, 40655, 40656, 40657, 40658, 40659, 40660, 40661, 40662, 40663 - Gatkoppies (2818S 2307E): **TM**: 36080, 36081, 36082, 36083, 36084, 36085, 36086, 36087, 36088, 36089, 36090 - Hopefield mine (33 05 46 S 18 11 59 E): **DNSM**: 12405, 12409 - Jagersfontein (29 46 S 25 25 E): **NMB**: 7356 - Jagersfontein Commonage (2925Cb): **NMB**: 7586, 7596, 7640, 7644 - Koegelbeen Cave (28 39 11 S 23 20 55 E): **DNSM**: 10132, 10134 - Koegelbeen Cave (28.68S 23.37E): **MMK**: MAM/2947 - Koegelbeen Caves (2823Cb): **NMB**: 11070, 11071, 7517, 7518, 7519, 7527, 7528, 7529, 7530, 7747, 7748, 7749, 7750 - Kuruman (2727S 2325E, 1 300 m): **BMNH**: 1904.4.8.2 (Holotype *Rhinolophus Denti*) - Kuruman, 44 km SSE (27.83S 23.58E): **MMK**: MAM/7068 - Thabazimbi, 16 mi SE [=Waterval Farm] (243524S 273636E): **USNM**: 575194, 575198, 575201, 575204 - Thomeng (27 37 55 S 024 38 37 E): **ZMA**: MAM.22652.

South Sudan:

Kinyiba Cave (03 49 48 N 31 34 40 E, 949 m): **USNM**: 586914, 586916, 586917, 586924, 586926.

Zimbabwe:

Great Zimbabwe, Garden Cave (2027S 3049E): **ROM**: 64957 - Hostes Nicoll Research Institute (1810S 2813E): **ROM**: 83966, 83967, 83971, 84011.

Rhinolophus eloquens K. Andersen, 1905

Congo (Democratic Republic of the):

Unknown locality: **MCZ**: 23377 - Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 49100, 49101, 49102 - Bunia (013400N 301500E, 1332 m): **MCZ**: 28545; **RMCA**: 16277 - Katanga (ca. 10 00 S 27 30 E): **RMCA**: 387 - Kilo [mines] (0149N 3014E, 1466m): **RMCA**: 19095 - Kilo mines (01 48 N 30 14 E, 1466 m): **RMCA**: 19096 - Luofu (00 37 00 S 29 07 00 E, 1809 m): **AMNH**: 82393 - Mboga (01 03 N 29 56 E, 1562 m): **BMNH**: 1930.11.11.102, 1930.11.11.103, 1930.11.11.104 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **AMNH**: 82392; **FMNH**: 26500, 30716; **MCZ**: 25122 - Vankerkhovenville (03 20 00 N 29 30 00 E, 791 m): **BMNH**: 1907.7.8.30.

Ethiopia:

Unknown locality: **SMF**: 49135 - Abyssinia: **MNHN**: ZM-MO-1934-728, ZM-MO-1934-732, ZM-MO-1934-733, ZM-MO-1934-734 - Ginir, 30 mi [=48 km] N (0706N 4039E, 1951m): **ROM**: 71818, 71851.

Kenya:

Unknown locality: **BMNH**: 1924.10.9.2, 1975.2489, 1975.2490, 1975.2491_1, 1975.2491_2, 1975.2491_3, 1975.2491_4, 1975.2492, 1975.2493, 1975.2494, 1975.2495, 1975.2496, 1975.2497, 1975.2498, 1975.2499, 1975.2500, 1975.2500_1, 1975.2500_2, 1975.2500_3, 1975.2500_4, 1975.2501, 1975.2502, 1975.2503, 1975.2885, 1978.936 - Amukura Mission (003414N 341619E, 1220 m): **ROM**: 63310, 63311, 63312, 63313, 63314, 63315, 63316, 63317, 63318, 63319, 63341, 63342, 63343 - Barberton Cave (0045N 3445E): **USNM**: 350887 - Barberton Cave (0045N 3445E, 2134 m): **ROM**: 40306, 40307, 40308, 40309 - Barberton Cave (0045N 3445E, 2286 m): **ROM**: 48722, 48723 - Barberton Farm: **ROM**: 77400 - Central Elgon (0105N 3445E, 1981 m): **ROM**: 65705, 65706, 65707, 65708 - Coast [former] province: **SMF**: 57498, 57499 - Diani (041619S 393408E): **ROM**: 59193 - Diatomite mine (00 25 49 S 36 10 25 E): **MMU**: PWW2833, PWW2834, PWW2835, PWW2836, PWW2837 - Eastern [former] province: **SMF**: 38417 - Elgon, Mount (0107N 3435E): **ROM**: 65427 - Elgon, Mount (0107N 3435E, 1981 m): **ROM**: 65428, 65429, 65430, 65431, 65432, 65433, 65434, 65435, 65436, 65437, 65438, 65439, 65440 - Endebess (0104N 3451E): **ROM**: 67950, 67951 - Escarpment Kampi ya Samaki: **ROM**: 36316 - Gilgil (0030S 3619E, 1962 m): **ROM**: 36307 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 50489, 77847 - Kampi Ya Samaki (003600N 360100E, 914 m): **ROM**: 68591 - Kariandusi mines (00 27 05 S 36 16 55 E): **MMU**: PWW2853, PWW2856, PWW2857, PWW2858, PWW2859, PWW2860, PWW2861, PWW2862, PWW2863, PWW2864 - Kedong Valley (011000S 363000E, 6000 ft): **ROM**: 36306 - Kimilili, near (ca. 0047N 3443E): **ROM**: 39021, 39022, 39023, 39024 - Kirui (0108N 3433E): **MCZ**: 31161, 31162, 31163, 31164, 31165, 31166, 31167, 31168, 31169, 31170 - Kisii, 10 mi N (0032S 3446E): **ROM**: 60131, 60132, 60133, 60134, 60135, 60136, 60137, 60138, 60139, 60140, 60141, 60142, 60143 - Kitale Township, W of (ca. 0101N 3501E): **ROM**: 51877, 51878 - Kitale, 10 mi [= 16 km] NE (0101N 3501E, 1920 m): **ROM**: 48784 - Kitale, 14 mi [= 22.5 km] W (0101N 3449E, 1890 m): **ROM**: 73322 - Kitale, 20 mi SW (0045N 3445E, 1830-2134 m): **USNM**: 351219 - Kitale, 25 mi [=40 km] NW (ca. 01 01 N 35 01 E, 2042 m): **CAS**: 11933 - Kongelai (0128N 3502E, 1350 m): **ROM**: 81348 - Koru (00 11 S 35 16 E, 1980 m): **ROM**: 68426, 68427, 68428, 68429, 68430, 68431 - Kwale (04 11 S 39 27 E, 303 m): **ZMA**: MAM.20839, MAM.20840, MAM.20841, MAM.20842 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **ROM**: 56384; **USNM**: 162090, 162091, 166350, 166351, 166353, 166364, 166368, 166369, 166370, 166371, 166372, 166373, 166383, 166384, 166385, 166386, 166387 - Lake Naivasha, cave near (ca. 00 46 00 S 36 21 00 E): **USNM**: 162092, 162093, 162094, 162095, 162096, 162097, 162098 - Lake Naivasha, E shore (ca. 00 46 00 S 36 21 00 E, 6000 ft): **USNM**: 162099 - Lake Nakuru (002125S 360635E, 1829 m): **ROM**: 65883, 65884, 65885, 65886, 65887 - Legatet Hill (0010S 3517E): **ROM**: 77849 - Legatet Hill cave (0010S 3517E): **ROM**: 77850, 77851, 77852, 77853, 77854, 77855, 77856, 77857, 77858, 83929; **USNM**: 350882, 350883, 350884, 350885, 350886, 351216 - Lion Hill cave (00 21 S 36 08 E): **MCZ**: 59794, 59795, 59796, 59875, 59876 - Londiani: **HNHM**: 95.86.1 - Lower Ngare Nyuki: **USNM**: 184323, 184324, 184325, 184326, 184327, 184328, 184329, 184330, 184331, 184332 - Lutore forest (0422S 3910E, 152 m): **ROM**: 59192 - Menengai (00 12 00 S 35 58 00 E): **USNM**: 350880, 350881 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1860-2865 m): **ROM**: 77848; **USNM**: 351218 - Mitunbur (012100N 350300E): **ROM**: 38258, 38259, 38260 - Mount Elgon (ca. 010043N 344415E, 1890 m): **ROM**: 65475, 65476, 65494 - Mount Elgon (ca. 010043N 344415E, 1890-2250 m): **ROM**: 51911 - Mount Elgon (ca. 010043N 344415E, 1920 m): **ROM**: 65495, 65496, 65497, 65498, 65499, 65500, 65501, 65502, 73454, 73455, 73456, 73457, 73458, 73459, 73460, 73461, 73462, 73463, 73464, 73465 - Mount Elgon (ca. 010043N 344415E, 1951 m): **ROM**: 36994, 51907, 66635, 66636 - Mount Elgon (ca. 010043N 344415E, 2103 m): **ROM**: 51876 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1890 m): **ROM**: 42957, 44263 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1920 m): **ROM**: 50795, 50796 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1981 m): **ROM**: 56286, 56287, 56288, 56289, 56290, 56291, 56292, 56293, 56294, 56295, 56321, 56322, 56323, 56324, 56332, 56333, 56334, 56335 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 2134 m): **ROM**: 48756, 48757, 48758, 48759, 48760, 48761, 48762, 48763, 48764, 48765, 48766, 48767, 48768, 48769, 48770, 48771, 48772, 48773, 48774, 48775 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E): **ROM**: 77859 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1890 m): **FMNH**: 152571 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152569, 152570, 152572, 152573 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 76534, 76542, 76560 - Nakuru, near (0017S 3604E): **ROM**: 36314 - Namanga (ca. 023303S 364658E, 1359 m): **ROM**: 38256 - Nanyuki (00 01 00 N 37 04 00 E, 1986 m): **FMNH**: 67915, 67916, 67917 - Nanyuki [=Nanguki], near (ca. 00 01 N 37 04 E): **KU**: 41117 - Nanyuki, 27 mi [= 43 km] NW (00 14 N 36 42 E): **ROM**: 68117 - Ndabibi cave (00 44 S 36 13 E): **MCZ**: 59789, 59790, 59791, 59792, 59793, 59797, 59798 - Ngong (01 22 00 S 36 39 00 E, 1829 m): **ROM**: 38284 - Njoro, 3 mi [= 4.8 km] W (0020S 3554E, 2225 m): **ROM**: 75508 - Northern Guaso Nyiro (0006S 3713E): **USNM**: 182665, 182666, 182667, 182668 - Nyeri (0026S 3656E, 1867 m): **ROM**: 48683 - Ortum (0121N 3521E, 610 m): **ROM**: 65897 - Pipeline cave (00 32 21 S 36 17 40 E): **MMU**: PWW2797, PWW2798, PWW2799, PWW2800, PWW2801, PWW2802, PWW2803, PWW2804, PWW2805, PWW2806, PWW2807, PWW2808, PWW2809, PWW2810, PWW2892, PWW2893, PWW2894, PWW2895, PWW2896, PWW2897, PWW2898, PWW2899, PWW2900, PWW2901 - Renshaw Barberton Farm (0045N 3445E): **MCZ**: 50334 - Rift Valley [former] province: **SMF**: 43664 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 63894, 63895, 63896, 63897, 63898, 71032, 71051, 71052, 71053, 71054, 71055 - Rumuruti, 40 mi N (ca. 0016N 3632E, 1372 m): **FMNH**: 152552 - Rumuruti, 45 km N (0016N 3632E): **ROM**: 77502 - Saboti (005600N 345000E, 1951 m): **ROM**: 35863 - Saiwa river (0116N 3507E, 610 m): **ROM**: 65852 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **ROM**: 81364, 81365 - Shimoni cave (04 38 50 S 39 23 00 E, 0 m): **RMCA**: 38551b - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 40248 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **USNM**: 375911, 375912; **YPM**: MAM 003090; **ZMA**: MAM.20838 - Sotik (0041S 3507E): **USNM**: 166366, 166367 - South Elgon (0107N 3435E, 2012 m): **ROM**: 35893 - Stoneham Museum (0059N 3513E, 1890 m): **FMNH**: 152556, 152557, 152558, 152559, 152560, 152561, 152562, 152563, 152564, 152565, 152566, 152567,

152568 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 59194, 66817, 66843, 66844, 66845, 66846, 66847, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 66855, 66856, 66857, 66858, 66859, 66860 - Waa (04 10 12 S 39 36 10 E): **ROM**: 73526, 73527, 73528, 73529, 73530, 73531, 73532, 73533, 73534, 73535, 73536, 73537, 73538, 73539, 73540, 73541 - Western [former] province: **SMF**: 38455, 38518, 38519, 38520, 39414, 39432, 39433, 39434.

Rwanda:

Kidaho (012212S 294433E, 1944 m): **RMCA**: 87.046-M-0349 - Kisenyi (01 41 15 S 29 15 17 E, 1450 m): **RMCA**: 16276 - Rwankwi (013200S 293200E): **RMCA**: 19069 - Shangugu (02 29 00 S 28 53 48 E, 1537 m): **RMCA**: 16218, 16275.

South Sudan:

Kapoeta (0450N 3335E): **FMNH**: 85446 - Katire (0405N 3246E): **FMNH**: 78195 - Lowai (0425N 3212E): **FMNH**: 68071, 79625 - Mere (government offices) (03 53 06 N 31 40 14 E, 1022 m): **USNM**: 587002, 587003, 587064, 587065 - Nagishot (0416N 3334E, 1981 m): **FMNH**: 77621, 77644, 77645, 77646, 77647 - Torit (0427N 3231E): **FMNH**: 68067, 73882; **USNM**: 317908 - Torit (0427N 3231E, 610 m): **FMNH**: 66665, 66666, 66667, 66668, 66669, 66670, 66671, 67497, 67498, 67499, 68056, 68057, 68058, 68059, 68060, 68061, 68062, 68063, 68064, 68065, 68066, 68068, 68069, 68170, 68171, 73881, 77620 - Torit, 36 mi S (0408N 3217E): **FMNH**: 56291.

Sudan:

Unknown locality: **BMNH**: 1966.3424.

Tanzania:

Unknown locality: **BMNH**: 1964.1493, 1964.1494, 1964.1495, 1964.1496, 1964.1497, 1964.1498, 1964.1499, 1964.1500; **SMF**: 81201 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **ZMB**: 50027 - Bismarckburg [=Kasanga] (0828S 3109E): **ZMB**: 15710 - Lindi region: **SMF**: 81200 - Mbeya region: **SMF**: 79626, 79627 - Mpapua [=Mpwapwa] (0622S 3630E, 1100 m): **ZMB**: 50023 - Rohogo mine (02 20 S 34 50 E): **ROM**: 60126 - Tanga region: **SMF**: 82513, 83615, 85518, 86685, 90887, 93214, 93215, 93216, 93347, 93348, 93349, 93374, 93375.

Uganda:

Unknown locality: **BMNH**: 1940.721, 1940.722, 1940.723, 1964.84 (Topotype *Rhinolophus Hildebrandti eloquens*), 1964.85 (Topotype *Rhinolophus Hildebrandti eloquens*), 1964.86 (Topotype *Rhinolophus Hildebrandti eloquens*), 1964.87 (Topotype *Rhinolophus Hildebrandti eloquens*), 1964.88 (Topotype *Rhinolophus Hildebrandti eloquens*), 1964.89 (Topotype *Rhinolophus Hildebrandti eloquens*), 1964.90 (Topotype *Rhinolophus Hildebrandti eloquens*) - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **BMNH**: 1899.8.4.3, 1899.8.4.4 (Holotype *Rhinolophus Hildebrandti eloquens*), 1899.8.4.5, 1899.8.4.6, 1964.2078 - Kabei cave (0118N 3445E): **ROM**: 40092, 40093 - Masindi, near (014028N 314254E, 1067 m): **ROM**: 59144 - Mount Debasien (014319N 344249E): **MCZ**: 31173 - Old Entebbe (000141N 322643E, 1132 m): **ROM**: 68683 (Topotype *Rhinolophus Hildebrandti eloquens*) - Toro (00 30 00 N 30 30 00 E, 5500 ft): **AMNH**: 82391.

Rhinolophus euryale Blasius, 1853

Algeria:

Unknown locality: **BMNH**: 1891.10.15.1, 1913.5.3.1, 1913.5.3.2, 1913.5.3.3, 1944.32; **RMNH**: MAM.38780, MAM.38781 - Algiers (36 45 47 N 03 03 02 E, 0 m): **ZMB**: 12976 (Holotype *E[uryalus] meridionalis*) - Aokas cave (ca. 36 38 N 05 15 E): **EBD**: MAM 8923, MAM 8924, MAM 8925, MAM 8926, MAM 8927, MAM 8928, MAM 8929, MAM 8930, MAM 8931, MAM 8932, MAM 8933, MAM 8934, MAM 8935, MAM 8936, MAM 8937, MAM 8938, MAM 8939 - Cap Aokas (3638N 0515E, 198 m): **MCZ**: 8828 - Dellys (365707N 035316E, 336 m): **MCZ**: 8829 - Lions cave (36 24 N 02 46 E): **MNHN**: ZM-MO-1987-89 - Taya (36 30 06 N 07 07 27 E): **MNHN**: ZM-MO-1884-2004.

Egypt:

Unknown locality: **BMNH**: 1892.9.9.4, 1892.9.9.5, 1892.9.9.6, 1905.8.8.1, 1905.8.8.2, 1905.8.8.3; **WAM**: M237.

France:

St. Paterna: **MNHN**: ZM-MO-1879-2030 (Paratype *E[uryalus] atlanticus*); **ZMB**: 12963 (Holotype *E[uryalus] atlanticus*).

Morocco:

Unknown locality: **BMNH**: 1939.127, 1939.128 - Chechaouen (3519N 0516W): **USNM**: 476254 - Figuig (320700N 011337W, 878 m): **MNHN**: ZM-MO-1985-1529 - Jorf El Roumi Nsebis cave (33 36 51 N 07 32 27 W): **EBD**: MAM 26024 - Ouarzazate, 5 km S (3052N 0655W): **USNM**: 470610, 470611 - Ouarzazate, 5 km SE (3053N 0657W): **USNM**: 476293 - Taforalt, 9 km NE (3450N 0222W): **USNM**: 476255, 476256, 476257, 476258, 476259, 476260, 476261, 476262, 476263, 476264, 476265, 476266, 476267, 476268, 476269, 476270, 476271, 476272, 476273, 476274, 476275, 476276, 476277, 476278, 476279, 476280, 476281, 476282, 476283, 476284, 476285, 476286, 476287, 476288, 476289, 476290, 476291, 476292, 476887, 476888, 476889, 476890, 476891, 476892, 476893, 476894, 476895, 476896, 476897, 476898, 476899, 476900, 476901, 476902, 476903, 476904, 476905, 476906, 476907, 577666 - Tazarine cave (345516N 021946W): **MNHN**: ZM-MO-1985-1534, ZM-MO-1985-1535 - Tétouan, cave 6 km E (ca. 35 34 N 05 17 W, 250 m): **EBD**: MAM 15373.

Tunisia:

Ain Draham, 5 km NE (3649N 0844E): **TTU**: 72183, 72184, 72185, 72186 - Djebel Besass (36 37 N 10 24 E): **RMCA**: 91.090-M-0036 - Feija National Park Headquarters (3630N 0819E): **TTU**: 70917, 70918, 70919, 70920, 70921, 70922, 70923, 70924, 70925, 70926, 70927, 70928, 70929, 70930, 70931.

Rhinolophus ferrumequinum (Schreber, 1774)

Algeria:

Unknown locality: **BMNH**: 1912.6.12.1, 1912.6.12.2-8; **SMF**: 59643, 59644 - Algiers (36 45 47 N 03 03 02 E, 0 m): **FMNH**: 47759, 47760 - Aokas cave (ca. 36 38 N 05 15 E): **EBD**: MAM 8940 - Béni Abbès (30 08 00 N 02 10 00 W, 470 m): **MNHN**: ZM-MO-1955-83 - Boghar (35 54 41 N 02 43 00 E, 847 m): **MNHN**: ZM-MO-1991-345 - Cheurfas Barrage: **HNHM**: 2000.18.3, 95.83.3 - Gorges de la Chiffa (36 24 N 02 46 E): **MNHN**: ZM-2006-245 - Hedjani (3542N 0037W, 121 m): **MNHN**: ZM-MO-1985-658.

Libya:

Ain Az Zarqa (315527N 120052E): **NMP**: 49856 - Nanatalah: **NMP**: 49967.

Morocco:

Unknown locality: **BMNH**: 1972.4167 - Asni, 2 km N (3115N 0800W): **USNM**: 470607 - Chichaoua, 20 km S (ca. 3130N 0847W): **USNM**: 476294, 476295, 476296, 476297, 476298, 476299, 476300, 476301, 476302, 476908, 476909,

476910, 476911, 476912, 476913, 476914 - Djebel Moussa, Great Cave (35 53 52 N 05 24 44 W): **MNHN**: ZM-MO-1904-459 - Grotte de Zegzel (34 55 16 N 002 19 46 W): **ZMA**: MAM.25130 - Kik plateau cave (ca. 31 15 N 08 10 W): **MNHN**: ZM-MO-1950-143 - Marrakech prefecture: **SMF**: 22027 - Sidi Sibara, 3 km SW (ca. 332433N 064438W): **USNM**: 470603, 470604, 470605, 470606 - Taforalt, 9 km NE (3450N 0222W): **USNM**: 476307, 476308, 476309, 476310, 476311, 476916, 476918 - Talkout (31 39 36 N 07 15 36 W, 851 m): **NMP**: 90035 - Tazarine cave (345516N 021946W): **MNHN**: ZM-MO-1985-906, ZM-MO-1985-907, ZM-MO-1985-908 - Tétouan, cave 6 km E (ca. 35 34 N 05 17 W, 250 m): **EBD**: MAM 15344 - Tiflet, 15 km W (3356N 0627W): **USNM**: 476303, 476304, 476305, 476306, 476915, 476917 - Wintimdouine cave (30 40 49 N 09 20 42 W): **EBD**: MAM 26018.

Tunisia:

Unknown locality: **BMNH**: 1944.31 - Ain Draham, 5 km NE (3649N 0844E): **TTU**: 72187 - Djebel Oust (353337N 085259E): **TTU**: 72192, 72193, 72194 - Djebel Rassas (3637N 1024E): **TTU**: 72196 - Djebel Zaghouan, cave at Poste Optique (3621N 1007E): **TTU**: 72199 - Feriana (34 57 N 08 34 E, 733 m): **MNHN**: ZM-MO-1885-2005 - Foum Tatahouine, 2 km S (3255N 1027E): **TTU**: 72201 - Nefza, 6 km W (3657N 0902E): **TTU**: 72263 - Ras Rajel Cemetery (3657N 0852E): **TTU**: 72258, 72259, 72260, 72261, 72262 - Redeyef, 4 km S (ca. 3419N 0809E): **TTU**: 72197, 72198 - Scarna mine (3544N 0908E): **TTU**: 72188, 72189, 72190, 72191 - Tatahouine (3256N 1027E, 246 m): **TTU**: 72195 - Toujane, 3 km NW (3330N 1008E): **TTU**: 72200.

Rhinolophus fumigatus Rüppell, 1842

"Africa":

Unknown locality: **AMS**: M.31812; **BMNH**: 1966.5446; **MNHN**: ZM-MO-1985-379, ZM-MO-1985-380, ZM-MO-1985-946.

Angola:

Unknown locality: **BMNH**: 1866.1.20.13, 1866.1.20.9, 1909.10.1.35, 1909.10.1.36, 1909.10.1.37 - Cambisa (15 19 00 S 16 13 00 E, 1369 m): **RMCA**: 16283 - Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 88117, 88118, 88119 - Cuchi (14.63S 16.88E): **IICA**: 8254 - Dolondolo (13.58S 13.13E): **SMW**: 5464 - Hoque (14.63S 13.88E): **IICA**: 771 - Huila (15.13S 13.63E): **FMNH**: 84087, 84108, 84119; **IICA**: 1879 - Humbe (15.13S 13.38E): **IICA**: 1916 - Jau (1513S 1331E, 1660 m): **FMNH**: 83596, 83597, 84109, 84110, 84111, 84112, 84113, 84114, 84115, 84116, 84117, 84118 - Kissama NP (09.13S 13.38E): **NHMZ**: 62092 - Mount Verdun (121000S 152000E): **AMNH**: 85076 - N'zeto (0714S 1252E, 6 m): **FMNH**: 81624, 81625, 81626, 81627, 81628, 81629, 81630, 81631, 81632, 81633, 81634, 81635, 81636, 81637 - Sa da Bandeira [= Lubango], 20 km W (ca. 14 55 00 S 13 30 00 E): **IICA**: 8119 - Tchivinguiro (15.13S 13.38E): **SMW**: 6418.

Benin:

Awaya (07 45 N 02 15 E): **NMP**: 91837, 91838 - Nikki (0956N 0313E): **USNM**: 421369, 421370, 421371.

Burkina Faso:

Djipologo (1056N 0307W): **USNM**: 468159, 468160 - Kénédougou province: **SMF**: 60953 - Nobéré, 1 km S (1126N 0110W): **AMNH**: 237384, 237385 - Nobere, 1 km S (1136N 0118W): **ROM**: 79855, 79856 - Nobere, 1.5 km S (1136N 0118W): **ROM**: 79816, 79817, 79818, 79819, 79820, 79821, 79822, 79823, 79824, 79825, 79826 - Orodara, 27 km ENE (1104N 0441W): **USNM**: 468157, 468158.

Burundi:

Karonge (03 02 43 S 29 20 01 E, 1226 m): **MHNG**: 1895.048, 1895.049, 1895.050, 1895.052, 1895.053, 1895.054, 1895.055, 1895.056, 1895.072, 1895.073, 1895.074, 1895.075, 1895.076, 1895.077, 1895.078, 1895.079 - Karonge mine, galery (03 02 43 S 29 20 01 E, 1226 m): **MHNG**: 1895.086 - Mpinga cave (03 44 10 S 30 10 40 E, 1930 m): **MHNG**: 1895.051 - Rushubi mine (03 20 55 S 29 29 11 E, 1743 m): **MHNG**: 1895.087 - Rushubi Mission, abandoned mine 2 km from (03 20 55 S 29 29 11 E, 1743 m): **MHNG**: 1895.088 - Rwintare (03 30 46 S 29 39 28 E, 2111 m): **MHNG**: 1895.047.

Cameroon:

Unknown locality: **BMNH**: 1961.85, 1989.704, 1989.705, 1989.706 - Galim (07 06 00 N 12 29 00 E, 1120 m): **RMCA**: 73.016-M-0420 - Kounden (05 42 00 N 10 40 00 E, 1326 m): **RMCA**: 76.014-M-0048 - Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0320, 73.017-M-0321, 73.017-M-0322, 73.017-M-0323, 73.017-M-0324, 73.017-M-0325, 73.017-M-0326 - Sir (10 33 00 N 13 41 00 E, 750 m): **RMCA**: 73.015-M-0697, 73.015-M-0698, 73.015-M-0699 - Tibati (06 28 00 N 12 38 00 E, 838 m): **ROM**: 56026, 56027, 56028, 56029, 56030, 56031, 56032, 56033, 56034, 56035, 56036, 56037, 56038, 56039, 56040, 56041, 56042, 56043, 56044, 56045, 56046, 56047, 56048, 56049, 56050, 56051, 56052, 56053, 56054, 56055, 56056, 56057, 56058, 56059, 56060, 56061 - Touroua (09 05 00 N 12 58 00 E, 202 m): **RMCA**: 76.014-M-0024, 76.014-M-0047 - Wakwa (07 14 00 N 13 35 00 E, 1143 m): **RMCA**: 73.017-M-0327, 73.017-M-0328, 73.017-M-0329, 73.017-M-0330, 73.017-M-0331, 73.017-M-0332, 73.017-M-0333, 73.017-M-0334, 73.017-M-0335, 73.017-M-0336, 73.017-M-0337, 73.017-M-0338, 73.017-M-0339, 73.017-M-0340, 73.017-M-0341, 73.017-M-0342, 73.017-M-0343, 73.017-M-0344, 73.017-M-0345, 73.017-M-0346, 73.017-M-0347, 73.017-M-0348, 73.017-M-0349, 73.017-M-0350, 73.017-M-0351, 73.017-M-0352, 73.017-M-0353, 73.017-M-0354, 73.017-M-0355, 73.017-M-0356.

Central African Republic:

Unknown locality: **BMNH**: 1981.1300, 1981.1301, 1981.1302, 1981.1303, 1981.1304 - Bamingui-Bangoran National Park (0755N 2015E, 469 m): **BMNH**: 1981.235, 1981.236 - Bangoran (08 04 51 N 20 20 43 E, 418 m): **MNHN**: ZM-MO-2000-1000, ZM-MO-2000-1001, ZM-MO-2000-1002, ZM-MO-2000-1003, ZM-MO-2000-1004, ZM-MO-2000-1005, ZM-MO-2000-1006, ZM-MO-2000-1007, ZM-MO-2000-1008, ZM-MO-2000-866, ZM-MO-2000-867, ZM-MO-2000-868, ZM-MO-2000-870, ZM-MO-2000-884, ZM-MO-2000-994, ZM-MO-2000-995, ZM-MO-2000-996, ZM-MO-2000-997, ZM-MO-2000-998, ZM-MO-2000-999 - Manovo (08 07 N 21 07 E, 654 m): **MNHN**: ZM-MO-2000-869.

Congo:

Mbamou Island (04 12 34 S 15 25 06 E): **MNHN**: ZM-MO-1985-496.

Congo (Democratic Republic of the):

Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 49111, 49112, 49113 (Holotype *Rhinolophus abæ*), 49114, 49115, 49116, 49117, 49118, 49197; **MCZ**: 17375; **RMCA**: 12363 - Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V264.2 - Bunia (013400N 301500E, 1332 m): **RMCA**: 15225 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 13657 - Goroumbwa Mine (03 06 45.66 N 29 34 13.62 E): **TM**: DBA008, DBA012, DBA013, DBA014, DBA030, DBA031, DBA032, DBA033, DBA034, DBA035, DBA036, DBA037, DBA038, DBA039, DBA040, DBA041, DBA042, DBA043, DBA044, DBA045, DBA046, DBA047, DBA048, DBA049, DBA050, DBA051, DBA052, DBA053, DBA054, DBA055, DBA056, DBA057, DBA058, DBA059, DBA060, DBA061, DBA062, DBA063, DBA085, DBA086, DBA087, DBA088,

DBA089, DBA090, DBA091, DBA092, DBA093, DBA094, DBA095, DBA096, DBA097, DBA098, DBA099, DBA100, DBA101, DBA102, DBA103, DBA104, DBA105, DBA106, DBA129, DBA130, DBA132, DBA133, DBA134, DBA135, DBA136, DBA137, DBA138, DBA139, DBA140, DBA141, DBA143, DBA144, DBA145, DBA146, DBA147, DBA148, DBA149, DBA150, DBA151, DBA152, DBA153, DBA154, DBA155, DBA156, DBA158, DBA159, DBA160, DBA161, DBA162, DBA163, DBA178, DBA180, DBA181, DBA182, DBA183, DBA184, DBA195, DBA196, DBA201, DBA203, DBA204, DBA205, DBA206, DBA208, DBA209, DBA210, DBA211, DBA212, DBA213, DBA214, DBA215, DBA216, DBA217, DBA218, DBA219, DBA220, DBA221, DBA222, DBA223, DBA228, DBA245, DBA246, DBA247, DBA248, DBA249, DBA250, DBA251, DBA252, DBA253, DBA256, DBA257, DBA258, DBA259, DBA260, DBA262, DBA263, DBA264, DBA265, DBA267, DBA269, DBA270, DBA271, DBA272, DBA273, DBA275, DBA276, DBA278, DBA283, DBA290, DBA291, DBA292, DBA293, DBA294, DBA295, DBA296, DBA297, DBA298, DBA299, DBA301, DBA302, DBA303, DBA304, DBA305, DBA306, DBA307, DBA308, DBA309, DBA310, DBA311, DBA312, DBA313, DBA314, DBA315, DBA316, DBA318, DBA319, DBA322, DBA323, DBA324, DBA325, DBA326, DBA328, DBA329, DBA330, DBA354, DBA360, DBA401, DBA402, DBA403, DBA404, DBA405, DBA406, DBA408, DBA409, DBA411, DBA412, DRC0032, DRC0053, DRC0055, DRC0056, DRC0086, DRC0102, DRC0103, DRC0104, DRC0120, DRC0127, DRC0128, DRC0129, DRC0130, DRC0131, DRC0134, DRC0135, DRC0142, DRC0146, DRC0147, DRC0149, DRC0151, DRC0154, DRC0155, DRC0158, DRC0159 - Ibambi (02 22 00 N 27 37 00 E, 687 m): **RMCA**: 15388, 15389 - Kakanda cave (104700S 263600E, 1438 m): **RMCA**: 28169, 28171, 28172, 28173, 28174, 28176, 28179, 28181, 28184 - Lukatu cave (06 59 00 S 29 43 00 E, 827 m): **RMCA**: a7.006-M-0002, a7.006-M-0003, a7.006-M-0004 - Mani cave or Nkela cave (05 22 S 14 32 E): **RMCA**: a2.040-M-0002 - Musosa, near (08 22 S 29 38 E): **RBINS**: 14489 - Mwadingusha (10 45 00 S 27 15 00 E, 1158 m): **RMCA**: 27532, 27533, 27534, 27535, 27536 - Ndelele (04 22 00 N 29 47 00 E, 900 m): **RBINS**: 13656, 13659.1, 13659.2, 13660.1, 13660.2, 13661, 13662.1, 13662.2, 13662.3, 13662.4; **RMCA**: 36830, 36831 - Rungu (03 11 00 N 27 52 00 E, 704 m): **RMCA**: 16250 - Thysville (051500S 145200E, 604 m): **RBINS**: 22428, 22429.

Côte d'Ivoire:

Unknown locality: **FMNH**: 58915, 58916 - Madinani mountains, E of (ca. 0937N 0657W): **FMNH**: 105197, 105198, 105199, 105327, 105328.

Eritrea:

Sciumagalle Mine (1523N 3851E, 2371m): **MVZ**: 101008, 101009.

Ethiopia:

Unknown locality: **BMNH**: 1923.3.26.5, 1937.2.24.3, 1937.2.24.4, 1937.3.24.5, 1970.2213, 1970.464, 1970.465, 1971.2454, 1972.224_1, 1972.224_2, 1972.224_3, 1972.224_4, 1972.224_5, 1972.224_6, 1972.230_1, 1972.230_2, 1972.230_3, 1972.230_4, 1972.4356, 1972.4357_1, 1972.4357_2, 1972.4357_3, 1972.4357_4, 1972.4357_5; **SMF**: 44836 - Adowa (1409N 3853E): **SMNS**: 1059 (Syntype *Rhinolophus macrocephalus*), 1059a (Syntype *Rhinolophus macrocephalus*), 1059b (Syntype *Rhinolophus macrocephalus*) - Ghinir, 10 km from: **MNHN**: ZM-MO-1972-489 - Lake Langano (07 36 00 N 38 43 00 E): **HNHM**: 95.87.1, 95.87.2, 95.87.3, 95.87.4, 95.87.5 - Lalibéla (120200N 390200E, 2427 m): **MNHN**: ZM-MO-1981-890, ZM-MO-1981-891, ZM-MO-1981-892, ZM-MO-1981-893, ZM-MO-1981-894, ZM-MO-1981-895, ZM-MO-1981-896 - Satema, 1.5 km N, 0.5 km W (2165 m): **BRTC**: 58688 - Shoa (09 00 N 39 00 E, 1981 m): **SMF**: II.F.7b (Cotype *Rhinolophus fumigatus*) - Shoa province (ca. 09 00 N 39 00 E): **SMF**: 4372 (Lectotype *Rhinolophus fumigatus*).

Gabon:

Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-MO-1981-899, ZM-MO-1981-900, ZM-MO-1981-901.

Ghana:

Ahiriso (0632N 0220W): **USNM**: 414167.

Guinea:

Boussoura (1217N 1303W, 100 m): **FMNH**: 128209 - Samedou (09 00 N 08 54 W, 698 m): **MNHN**: ZM-2012-496.

Kenya:

Unknown locality: **BMNH**: 1910.7.2.5, 1975.927; **RMNH**: MAM.27124, MAM.27125, MAM.32105, MAM.32106, MAM.32107; **SMF**: 19870, 19871, 39435, 41816 - Ahero, cave near (0032S 3446E): **CAS**: 24714, 24715, 24716, 24717, 24718 - Amukura Secondary School (003414N 341619E, 1220 m): **CAS**: 24719, 24720, 24721, 24722, 24723 - Gatamayu, 2.5 km N, 0.5 km W (0058S 3642E, 2200 m): **FMNH**: 190292, 190293, 190294, 190295 - Kapseta (01 05 N 34 45 E, 2300 m): **MNHN**: ZM-MO-1984-306, ZM-MO-1984-307, ZM-MO-1984-308, ZM-MO-1984-309, ZM-MO-1984-310 - Kichaka Simba (042057S 392133E): **CUMV**: 13729, 13730 - Kilanguni Lodge (025420S 380259E): **WNMU**: 372 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **WAM**: M23802, M23803 - Kitale, 25 mi NW: **SMF**: 19448, 19449 - Kitui (0122S 3801E, 3 500 ft): **BMNH**: 1901.5.6.3 (Holotype *Rhinolophus fumigatus exsul*) - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **CAS**: 11944 - Legatet Hill cave (0010S 3517E): **FMNH**: 152554, 152555 - Mukanda Stream (04 10 S 39 27 E, 152 m): **CUMV**: 13746 - Nanyuki (00 01 00 N 37 04 00 E, 1986 m): **ROM**: 66244 - Nanyuki, 24 mi [=39 km] N (0022 N 37 05 E): **ROM**: 73334, 73335 - Nyama Yango (0054N 3735E): **FMNH**: 152575 - Nyangala hill (0337S 3844E): **ROM**: 71184 - Nyeri (0026S 3656E, 6000 ft): **CAS**: 11932 - Ortum (0121N 3521E, 610 m): **ROM**: 65896, 65915, 65916 - Shimba Hills Nature Reserve (04 14 S 39 25 E): **MCZ**: 59877 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152574 - Sultan Hamud (0202S 3723E, 1371 m): **ROM**: 83936 - Takabba, 25 mi [= 40 km] WSW (0322N 3945E): **ROM**: 68190.

Malawi:

Unknown locality: **BMNH**: 1987.1065, 1987.1066, 1987.1067, 1987.1068, 1987.1069, 1987.1070 - Chileka (15 41 S 34 56 E, 777 m): **ROM**: 35784 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.12.17.10 - Chongoni Forest Reserve (141807S 341322E): **FMNH**: 192079 - Kwitunji Camp (14 12 11 S 35 22 32 E): **FMNH**: 226187 - Lake Kaulime (1035S 3346E, 2350 m): **FMNH**: 191586 - Likabula (15 58 00 S 35 29 00 E, 760 m): **AMNH**: 161916 - Monkey Bay, 4-5 km from (14 07 S 34 53 E): **ZMA**: MAM.28330 - Mughese Forest (0939S 3332E, 1625 m): **FMNH**: 196180, 196181 - Mulanje (15.93S 35.62E): **KM**: 11683 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.28333, MAM.28334 - Mwabvi Rest Camp (16 39 23 S 35 03 06 E): **ZMA**: MAM.22090 - Namazo Bay (14 10 00 S 34 59 00 E, 522m): **ZMA**: MAM.28331, MAM.28332 - Namizimu Forest Reserve (14 11 20 S 35 22 49 E): **FMNH**: 226188, 226189 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1541 m): **FMNH**: 192080, 192081, 192082, 192083, 192084, 192085, 192086 - Nyika-Jallawe valley: **NMP**: mw3048 - Wilindi Forest (0942S 3329E, 1825 m): **FMNH**: 196182, 196183 - Zomba Plateau (15 22 S 35 19 E, 5000 ft): **KM**: 11681 - Zovo Chipolo Forest (1035S 3343E, 2230 m): **FMNH**: 191585, 191587.

Mauritania:

Mauritanian Sahara: **MNHN**: ZM-MO-1911-1555.

Morocco:

Mapti Endé: **MNHN**: ZM-2004-943.

Mozambique:

Dondo (19 36 34 S 34 44 35 E, 56 m): **DNSM**: 719 - Mague (New) Boroma (1549S 3144E): **USNM**: 365205, 365206 - Maputo Camp (12 10 56 S 37 33 01 E): **DNSM**: 8567 - Meponda, 10 km E (13 22 13 S 34 56 17 E): **DNSM**: 8568, 8569 - Vila Gouveia (18.07S 33.18E): **USNM**: 365204.

Namibia:

Etosha NP, Namutoni (18.8S 16.97E): **SMW**: 8108 - Etosha NP, Ombika Gate (19.38S 15.88E): **SMW**: 8106 - Farm Otjikoko Sud 61 [Pipistrelle Cave] (2118S 1627E): **TM**: 37636, 37644 - Harisib (1907S 1737E): **TM**: 11863 - Hoasas (20.38S 16.63E): **SMW**: 2683 - Hoba 322 (19.63S 17.88E): **SMW**: 7084 - Hohewarte Farm (223829S 172430E): **MVZ**: 117183, 117184, 117185, 117186, 117187, 117188, 117189, 117190, 117191 - Kaoko Veld, southern part (ca. 1900S 1300E): **FMNH**: 84188, 84189 - Karibib (21 56 S 15 50 E, 1139 m): **KM**: 1752 - Ohopoho (1807S 1352E): **TM**: 10979 - Okahandja (21 59 S 16 55 E, 1324 m): **FMNH**: 77496, 77497 - Okongava (22.13S 15.88E): **SMW**: 6781 - Ombalantu (17.38S 14.88E): **SMW**: 6764 - Opuwo, 70 km S (17.47S 13.03E): **LACM**: 58983 - Osjitambi farm (19.60569S 15.60904E): **FMNH**: 78157 - Otjikoko (21.38S 16.38E): **SMW**: 6776 - Otjimbingue (2215S 1610E): **ZMB**: 3294, 3295 - Otjiwarongo (20.46S 16.31E): **KM**: 28206 - Otjosangombe (ca. 2021S 1755E): **MCZ**: 34901, 34902 - Quickborn (2152S 1652E): **TM**: 3991 - Uis (21.13S 14.88E): **SMW**: 6816 - Walfischbay [=Walvis Bay] (2255S 1435E): **ZMB**: 6201 - Waterberg, 416 (20.63S 17.38E): **SMW**: 4280 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **ZMB**: 50058.

Niger:

Tapoa, 28 km S (ca. 12 11 N 02 20 E): **UCM**: 15190 - Tapoa, 29 km S (ca. 12 11 N 02 20 E): **BRTC**: 27851.

Nigeria:

Unknown locality: **BMNH**: 1909.9.3.2, 1911.3.24.5, 1913.2.5.2, 1956.90, 1964.52 - Fika (1117N 111829E, 503 m): **USNM**: 378818 - Kabwir (2 500 ft): **BMNH**: 1913.2.5.1 (Holotype *Rhinolophus foxi*) - Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 83997, 84063, 84064, 86053, 86058 - Karaduwa (1219N 0741E): **USNM**: 402707 - Mkar (07 20 N 09 02 E, 434 m): **ZMA**: MAM.18376, MAM.18377 - Nindam Forest Reserve (0928N 0819E): **ROM**: 86943, 86944, 86945 - Wikki (09 46 10 N 10 31 58 E): **ROM**: 86068, 86294 - Zawan (09 45 18 N 08 52 29 E, 1276 m): **ZMA**: MAM.18378.

Rwanda:

Bilalu (01 30 S 30 18 E, 1600 m): **INPBC**: V3063 - Gabiro (01 31 00 S 30 28 00 E, 1400 m): **RMCA**: 12664 - Lugarama (01 26 S 30 32 E): **INPBC**: 3041.01, 3041.02, 3041.03, 3041.04, 3041.05, 3041.06, 3041.07, 3041.08, 3041.09, 3041.10, 3041.11, 3041.12, V304.01, V304.02, V304.03, V304.04, V304.05, V304.06, V304.07, V304.08, V304.09, V304.10 - Magachi (01 20 S 30 34 E): **INPBC**: V1903.1, V1903.2, V1903.3, V1903.4, V1903.5, V1903.6, V1903.7, V1903.8, V1903.9 - Ruhengeri (cave) (01 30 15 S 29 38 09 E, 1772 m): **ZMA**: MAM.21229.

Senegal:

Unknown locality: **BMNH**: 1919.7.7.3836, 1919.7.7.3845, 1919.7.7.3883 - Bakel (1454N 1226W): **BMNH**: 1919.7.7.2774 (Holotype *Rhinolophus aethiops diversus*) - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1995-1826 - Dindéfélo (1222N 1219W): **IVB**: S817, Sen817 - Joal, 4 km N (ca. 1410N 1650W): **USNM**: 379194, 379195, 379196, 379197, 379198, 379199, 379200, 379201, 379202, 379203, 379204, 379205, 379206, 379207, 379208, 379209, 379210, 379211, 379212, 379213, 379214, 379215, 379216, 379217, 379218, 379219, 379220, 379221, 379222, 379223, 379224, 379225, 379226, 379227, 379228, 379229, 379230, 379231, 379232, 379233, 379234, 379235, 379236, 379237, 379238, 379239, 379240, 379241, 379242, 379243, 379244, 379245, 379246, 379247, 379248, 379249, 379250, 379251, 379252, 379253, 379254, 379255, 379256, 379257, 379258, 379259, 381344, 381345, 381346, 381347, 381348, 381349, 381350, 381351, 381352, 381353 - Kaffrine (14 07 18 N 15 41 35 W, 16 m): **MNHN**: ZM-MO-1995-1827 - Kaffrine, 15 km N (1408N 1534W): **USNM**: 376219.

Sierra Leone:

Unknown locality: **BMNH**: 1930.12.23.5, 1954.912, 1954.913, 1961.5.

Somalia:

Unknown locality: **BMNH**: 1898.2.5.2, 1898.6.9.20 - Mount Fink: **MNHN**: ZM-MO-1911-517 A, ZM-MO-1911-517 B, ZM-MO-1911-517 C, ZM-MO-1911-517 D.

South Africa:

Anthrax camp (22 25 30 S 31 12 30 E): **KNP**: 141, 149; **TM**: 36812 - Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes] (2441S 3050E): **TM**: 39968 - Bobomeni research camp [=Bobomene] (22 25 18 S 31 12 49 E): **TM**: 40833, 40834, 40835, 41726 - Fig forest, Left-hand bank: **TM**: 37683 - Figtree camp (222550S 311150E): **TM**: 36608, 36611, 36789, 36878, 36935, 36936 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 30472, 34262 - Matshitshindzudzi (22 27 16 S 31 10 29 E): **KNP**: 86 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 48510, 48529 - Xirhombe Pan (22 42 49 S 31 23 22 E): **KNP**: 130.

South Sudan:

Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586846 - Lofi (041422N 325922E, 610 m): **FMNH**: 78194 - Lokwi (040628N 324314E, 1487 m): **FMNH**: 78747, 79631, 79632, 79633, 79634 - Loqutor (0435N 3258E): **FMNH**: 68070 - Torit district (ca. 042448N 323404E): **USNM**: 368913, 368914, 368915 - Tungu, mount (04 20 37 N 29 58 38 E): **RBINS**: 13658.

Tanzania:

Unknown locality: **BMNH**: 1952.1544, 1975.2505, 1975.2505_1, 1975.2505_2, 1975.2506, 1975.2884 - Bulwa Tea Estate (050000S 383800E, 1000 m): **FMNH**: 150067 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22293, MAM.22294, MAM.22295, MAM.22296, MAM.22297 - Chita, 1.7 km N, 3.5 km W (0830S 3554E, 910 m): **FMNH**: 155664 - Chita, 3 km N (0831S 3556E, 300 m): **FMNH**: 153847 - Gonja Forest Reserve (04 16 S 38 02 E, 550 m): **FMNH**: 151195, 151426 - Isamilo (International School) (02 30 30 S 32 54 23 E): **ZMA**: MAM.22291, MAM.22292 - Kilwa (091800S 382500E, 918 m): **ROM**: 35304, 35305 - Kwambumi Forest Reserve (0457S 3844E, 230 m): **FMNH**: 153852 - Mbanja [= Mbangala] (0837S 3641E): **MCZ**: 38824 - Mbeya region: **SMF**: 70455 - Mgambo Forest Reserve (0445S 3848E, 400 m): **FMNH**: 163396 - Milimafedha mine (02 20 S 34 50 E): **ROM**: 60120, 60121 - Mwazye (0827S 3144E): **ZMB**: 50024 - Mwsamwilager: **ZMB**: 50025 - Pemba Island (05 10 S 39 48 E): **MNHN**: ZM-MO-1983-1930 - Rohogo mine (02 20 S 34 50 E): **ROM**: 60122, 60123, 60124, 60125 - Zanzibar Town, 36 mi [= 58 km] S (0625S 3930E): **ROM**: 59834, 59835, 59836, 59837, 59838, 59839, 59842, 59843, 59845, 59847, 59862, 59867.

The Gambia:

Unknown locality: **BMNH**: 1907.1.1.295, 1949.481.

Togo:

Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.009-M-0425, 73.011-M-1059, 73.013-M-0588 - Dapango (10 51 50 N 00 12 18E, 306 m): **USNM**: 437692, 437693, 437694, 437695, 437696, 437697, 437698, 437699, 437700, 437701,

437702, 437703, 437704, 437705, 437706, 437707, 437708, 437709, 437710, 437711, 437712, 437713, 437714, 437715, 437716, 479234, 479235, 479236, 479237, 479238, 479239, 479240, 479241, 479242, 479243, 479244, 479245, 479246, 479247, 479248, 479250, 479251, 479252, 479253, 479254, 479255, 479256, 479257, 479258 - Péwa (09 17 00 N 01 14 00 E, 618 m): **USNM**: 437621, 437717, 437718, 437719, 437720, 437721, 437722, 437723, 437724, 437725, 437726, 437727, 437728, 437729, 437730, 479249, 479259, 479260, 479261.

Uganda:

Unknown locality: **BMNH**: 1964.91, 1964.92, 1964.93, 1964.94, 1964.95 - Arua (030109N 305551E): **ROM**: 39357, 39358, 39901, 39902, 39903, 39904, 39905, 39906, 39907, 39908, 39909, 39910, 39911 - near Arua: **ROM**: 39374, 39375, 39376 - Sipi cave (011835N 342227E, 1791 m): **ROM**: 60144, 60145, 60146, 60147, 60148, 60149, 60150, 60151, 60152, 60153, 60154, 60155.

Zambia:

Unknown locality: **BMNH**: 1966.5447 - Chipanga, Chipata (13.12S 32.87E): **NHMZ**: 20120 - Chipengali Area (1332Bb): **AMNH**: 207414, 207415 - Luangwa Valley, Petauke (14.05S 31.08E): **BMNH**: 1907.1.11.5 - Lutembwe (14.37S 30.37E): **NHMZ**: 62107 - Mpomwa Hills, Chipata (13.37S 32.37E): **NHMZ**: 64256.

Zimbabwe:

Unknown locality: **BMNH**: 1933.3.6.9 - Batoka Gorge (17.94S 26.12E): **NHMZ**: 29682 - Bonda Mission (18 26 49 S 32 35 39 E): **DNSM**: 5005 - Busi R, Manjolo (18.12S 27.87E): **NHMZ**: 64784 - Chenahunga, Bumi R (17.75S 28.25E): **NHMZ**: 58439 - Chete, Eastern Section (17.37S 27.62E): **NHMZ**: 57422 - Chiredzi (21 03 S 31 40 E, 437 m): **NHMZ**: 60699 - Chiredzi, Lone Star Ranch (21.12S 31.87E): **NHMZ**: 60701 - Chizarira NP, Mchesu R (17.75S 27.5E): **NHMZ**: 64785 - Dahlia, 5 mi [= 8 km] W (1835S 2708E, 914 m): **FMNH**: 152576, 152577 - Gonarezhou NP, Chipinda Pools (21.24S 31.9E): **NHMZ**: 58387 - Gonarezhou NP, Mabalauta (21.93S 31.47E): **NHMZ**: 55659 - Hippo Valley, Kutanga Estates (21.12S 31.87E): **NHMZ**: 57601 - Hoya River Camp, Muzarabani (16.25S 31.25E): **NHMZ**: 84380 - Kandaha (17.85S 25.75E): **NHMZ**: 60670 - Katombora Rapids (17.88S 25.33E): **NHMZ**: 60671 - Lake Kariba, Gatshe Gatshe Bay (16.87S 28.87E): **NHMZ**: 60702 - Mavuradonha Wilderness Area (16.25S 31.0E): **NHMZ**: 82440 - Mkota NR (16.87S 32.87E): **NHMZ**: 60697 - Mutambaramwe Cave (17.17S 29.19E): **NHMZ**: 31135 - Mutare Asbestos Mine (18 58 29 S 32 39 20 E): **NHMZ**: 54161 - No 2 Adit (18 58 29 S 32 39 20 E, 1094 m): **NHMZ**: 60703 - Nyadire River Camp, Pfungwe (16.75S 32.25E): **NHMZ**: 84315 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32595 - Penrose Farm, Mvurwi (17.12S 30.81E): **NHMZ**: 60694 - Sabi-Lundi [= Save-Runde] R Confluence (21.28S 32.38E): **USNM**: 368605 - Sandstone Fissure (18.25S 28.5E): **NHMZ**: 58385 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 59660 - Sengwa Wildlife Research Station (1810S 2813E): **TM**: 34862 - Umkhondo Mine (20.37S 32.12E): **NHMZ**: 32964 - Victoria Falls (17 55 00 S 25 51 00 E): **RMCA**: 88.011-M-0028; **USNM**: 237522 - Westwood Lodge (17 55 00 S 25 32 00 E): **NHMZ**: 30794.

Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018

Mozambique:

Bunga Inselberg (18 35 56 S 34 20 35 E, 212 m): **DNSM**: 14815, 14816 (Paratype *Rhinolophus gorongosae*), 14817 (Paratype *Rhinolophus gorongosae*), 14818 (Paratype *Rhinolophus gorongosae*), 14819 (Paratype *Rhinolophus gorongosae*), 14820 (Holotype *Rhinolophus gorongosae*), 14828 (Paratype *Rhinolophus gorongosae*), 14865 (Paratype *Rhinolophus gorongosae*) - Gorge Rim, Site 1 (18 38 06 S 34 48 29 E, 213 m): **TM**: 49116 - Gorongosa National Park (18 41 25 S 34 18 49 E, 308 m): **DNSM**: 14843 (Paratype *Rhinolophus gorongosae*) - Gorongosa National Park (II) (18 27 54 S 34 03 07 E, 1150 m): **DNSM**: 14864 - Mount Inago Forest Camp (15 02 42 S 37 23 46 E, 1478 m): **DNSM**: 11482.

Rhinolophus guineensis Eisentraut, 1960

Guinea:

Kankuya Plateau, cave near Nyembaro: **ZFMK**: 1959.0177 - Kindia (100400N 125100W, 338 m): **MNHN**: ZM-MO-1985-944 - Kolenté, 10 km W (ca. 1005N 1230W, 400 m): **SMNS**: 6104 (Paratype *Rhinolophus landeri guineensis*), 6105 (Paratype *Rhinolophus landeri guineensis*), 6106 (Paratype *Rhinolophus landeri guineensis*), 6107 (Paratype *Rhinolophus landeri guineensis*), 6108 (Paratype *Rhinolophus landeri guineensis*), 6109 (Paratype *Rhinolophus landeri guineensis*), 6113 (Paratype *Rhinolophus landeri guineensis*) - Mount Nimba (073700N 082500W): **MNHN**: ZM-MO-1985-1516, ZM-MO-1985-1517 - Pic de Foko (08 29 35 N 08 53 48 W, 1289 m): **ZFMK**: 2008.0281, 2009.0020 - Tahiré: **ZFMK**: 1959.0176 - Tahire, big cave near (095100N 124700W, 500 m): **SMNS**: 6103 (Holotype *Rhinolophus landeri guineensis*) - Western Spur Valley (08 33 26 N 08 55 16 W, 900 m): **ZFMK**: 2009.0022, 2009.0023.

Liberia:

Gabagea River: **AMNH**: 265734, 265735, 265736, 265737, 265738, 265739, 265740, 265741, 265742, 265743, 265744, 265745 - Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 13214, 14088 - Ziggida, 10.5 km N, 1 km E: **AMNH**: 265711, 265712, 265713, 265714, 265715, 265716, 265717, 265718, 265719, 265720, 265721, 265722, 265723, 265724, 265725, 265726, 265727, 265728, 265729, 265730, 265831, 265832, 265919 - Ziggida, 13 km N, 1 km E (750 m): **AMNH**: 265731, 265732, 265733 - Zozoma (082500N 094700W): **AMNH**: 257045, 257046.

Nigeria:

Unknown locality: **BMNH**: 1950.190.

Rhinolophus hildebrandtii Peters, 1878

"Africa":

Chifumbaze: **ZMB**: 50022, 50031.

Burundi:

Bujumbura (03 23 00 S 29 22 00 E, 794 m): **RMCA**: 35153 - Kanyinya (02 35 25 S 30 04 55 E, 1508 m): **MHNG**: 1895.041, 1895.042, 1895.044 - Makamba (04 08 05 S 29 48 18 E, 1472 m): **MHNG**: 1895.081, 1895.082 - Makamba mission (04 08 05 S 29 48 18 E, 1472 m): **MHNG**: 1895.046 - Mpinga cave (03 44 10 S 30 10 40 E, 1930 m): **MHNG**: 1895.043, 1895.045, 1895.083, 1895.084, 1895.085 - Ruyigi (032835S 301455E, 1842 m): **RMCA**: 79.010-M-0009.

Congo (Democratic Republic of the):

Unknown locality: **RBINS**: 6282 - Baga Cave (1152S 2727E, 1279 m): **HNHM**: 95.52.1, 95.52.2 - Baya carrière (11 52 00 S 27 27 00 E, 1279 m): **RMCA**: 31505, 31506, 34055, 34056, 34057, 34058, 34059 - Baya caves (115200S 272700E, 1279 m): **MNHN**: ZM-MO-1957-130 B, ZM-MO-1957-130 C, ZM-MO-1957-130 D - Defrenne cave (10 58 00 S 26 39 00 E): **RMCA**: 28211 - Dethiox caves (10 50 00 S 26 39 00 E): **SMF**: 18914, 18915, 18917, 18918 - Elisabethville (11 40 S 27 26 E, 1209 m): **RBINS**: 17205.01, 17205.02, 17205.03, 17205.04, 17205.05, 17205.06, 17205.07, 17205.08, 17205.09, 17205.10, 17205.11, 17205.12, 17205.13, 17205.14, 17205.15, 17205.16, 17205.17, 17205.18, 17205.19 - Grotte de Baya (11 52 00 S 27 27 00 E, 1279 m): **MHNG**: 922.087, 922.090, 922.091, 922.092, 922.093, 922.094; **RMCA**: 23801, 23802, 23804, 23805, 23806 - Ibembo (0238N 2337E, 420 m): **RMCA**: 89.004-M-0002 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RMCA**: 27905 - Kaboyaboya cave (09 56 00 S 25 58 00 E): **MHNG**: 1046.001, 1046.100 - Kakanda cave (104700S 263600E, 1438 m): **RBINS**: 14428, 14433, 14436, 14437, 14438, 14441, 14448, 14451; **RMCA**: 22889, 22897, 28156, 28157, 28158, 28159, 28160, 28161, 28162, 28163, 28164, 28165 - Kakontwe cave (105900S 263800E, 1294 m): **MHNG**: 1046.066a, 1046.066b; **RMCA**: 22687, 23816, 23866, 26215, 26233, 26250, 26742, 26743, 26781, 26833, 26851, 31209, 31210, 31211, 31212, 31213, 31214 - Kakontwé caves (105900S 263800E, 1294 m): **MNHN**: ZM-MO-1957-130 A - Kalumbu cave (10 51 00 S 26 39 00 E): **RMCA**: 28318 - Kandu cave (09 56 00 S 25 58 00 E): **RMCA**: 26876 - Kipangaribwe river (08 56 S 27 12E, 1760 m): **RBINS**: 10851, 10852 - Kiwakishi cave (09 10 00 S 27 04 00 E, 900 m): **RMCA**: 27292 - Kondo cave (104700S 263600E, 1438 m): **SMF**: 19571, 19572 - Kyasala cave (09 56 00 S 25 58 00 E, 1300 m): **MHNG**: 1046.067, 1046.068, 1046.099; **RBINS**: 14447, 14450; **RMCA**: 23810, 23853, 26784, 26785, 26791, 26795, 26824, 26825, 26829, 26835, 26867; **SMF**: 21273, 21274 - Kyasala grande grotte (09 56 00 S 25 58 00 E, 1300 m): **MHNG**: 1046.069, 1046.070, 1046.071 - Lubudi, small cave (095700S 255800E, 1307 m): **RMCA**: 22662, 22663, 22664, 22665, 22666 - Marungu (06 43 S 29 31 E): **NMZL**: 3396 - M'Baya cave (115200S 272700E, 1279 m): **RMCA**: 34571, 34572, 34573, 34574, 34575, 34576, 34577, 34578, 34579, 34580, 34581, 34582, 34583, 34584, 34585, 34586, 34587, 34588, 34589, 34590, 34591, 34592, 34593, 34594, 34595, 34596, 34597, 34598, 34599, 34600, 34601, 34602, 34603, 34604, 34605, 34606, 34607, 34608, 34609, 34610, 34611, 34612, 34613, 34614, 34615, 34616, 34617, 34618 - Musosa, near (08 22 S 29 38 E): **RBINS**: 14432 - Mwanga cave (10 58 00 S 26 39 00 E): **RMCA**: 33999, 34000, 34001 - Mwela-Panda cave (10 35 S 26 07 E, 1512 m): **RBINS**: 14427, 14430, 14431, 14435, 14439, 14440, 14443, 14444, 14445, 14446, 14449; **SMF**: 19068 - Pempere cave (10 58 00 S 26 47 00 E): **SMF**: 18940, 18941 - Pempéré cave (10 58 00 S 26 47 00 E): **MHNG**: 1046.065 - Pierkat quarry (115200S 272700E, 1279 m): **RMCA**: 23807, 23808, 23827, 23828, 23829, 23830, 23831, 23832, 23833, 23834, 23835, 23836, 23837, 23838, 23839, 23840, 23841, 23842, 23843, 23844, 23845, 23846, 23847, 23848, 23849, 23850 - Swanepoel II abyss (10 51 00 S 26 42 00 E, 1350 m): **RMCA**: 27539 - Tantara cave (11 02 00 S 26 29 00 E, 1334 m): **RBINS**: 14424, 14425, 14426, 14429, 14434, 14442; **RMCA**: 27531.

Ethiopia:

Unknown locality: **BMNH**: 1972.4362_1, 1972.4362_2 - Koffolé (07 04 N 38 47 E, 2505 m): **MNHN**: ZM-MO-1972-490 A, ZM-MO-1972-490 B - Sheik Hussein (0736N 4040E, 1500 m): **ZMB**: 72252, 72253.

Kenya:

Unknown locality: **BMNH**: 1897.6.23.1, 1904.2.5.1, 1910.4.1.10, 1910.4.1.9, 1975.2504 - Cherangani Hills (01 15 S 35 27 E): **WAM**: M16552 - Endebess, 3 mi W (0107N 3449E): **USNM**: 436582 - Endebess, 3 mi W (0107N 3449E, 2134 m): **USNM**: 436583, 436584, 436585, 436586, 436587, 436588, 436589, 436590, 436591, 436592, 436593, 436594, 436595, 436596, 436597, 436598, 436599, 436600, 436601, 436602, 436603, 436604, 436605, 436606, 436607 - Karen (01 20 S 36 45 E, 1706-1829 m): **USNM**: 436564 - Kibwesi (0225S 3758E, 1000 m): **ZMB**: 50029 - Kilanguni Lodge (025400S 380400E): **FMNH**: 152578 - Kitale, 12 mi W (0102N 3450E): **USNM**: 436573, 436574, 436575, 436576, 436577, 436578, 436579 - Kitale, 25 mi [=40 km] NW (ca. 01 01 N 35 01 E, 2042 m): **USNM**: 436608 - Kongelai, 3 mi S (0128N 3501E, 1372 m): **USNM**: 436580 - Maungu (61m): **ROM**: 68503, 68504 - Mombasa, cave near (ca. 040300S 394000E): **USNM**: 347410 - Mtito Andei, near (ca. 0241S 3810E, 2500 ft): **AMNH**: 219735 - Nakuchett (0146N 3507E, 1311 m): **USNM**: 436581 - Ndi (03 14 S 38 30 E, 2000 m): **BMNH**: 1879.1.21.1 (Syntype *Rhinolophus Hildebrandtii*) - Ndi (0314S 3830E, 2000 m): **ZMB**: 5267, 5378, 5379 - Ngong (01 22 00 S 36 39 00 E, 1829 m): **WAM**: M16548 - Saboti, 3 mi [= 4.8 km] SE (0053N 3450E, 1951 m): **USNM**: 436565, 436566, 436567, 436568, 436569, 436570, 436571, 436572 - Stoneham Museum (0101N 3501E): **TTU**: 8301 - Ulucania Hills (0129S 3703E): **USNM**: 166650, 166651 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **AMNH**: 114480; **MCZ**: 31840 - Wacoumbas cave: **MNHN**: ZM-MO-1985-938.

Nigeria:

Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 84002, 86054, 86056.

South Sudan:

Lokwi (040628N 324314E, 1487 m): **FMNH**: 78196, 79553, 79554, 79621, 79622, 79623, 79624.

Sudan:

Unknown locality: **BMNH**: 1921.7.7.1.

Tanzania:

Unknown locality: **BMNH**: 1960.95, 1960.96, 1964.1492, 1976.285 - Amani Nature Forest Reserve, NW-side (05 07 32 S 38 34 50 E, 945 m): **SMF**: 91237, 91238, 91239 - Ambangulu Estate (05 05 S 38 26 E, 1120 - 1300 m): **ZMB**: 50039 - Ambangulu Estate (05 05 S 38 26 E, 1300 m): **FMNH**: 147226, 153752 - Amboni Cave Forest (05 04 00 S 39 03 00 E, 36 m): **FMNH**: 198014; **SMF**: 79633 - Arusha National Park (031500S 364500E): **AMNH**: 268456, 268457 - Bamba-Mlungi Forest Reserve (04 57 S 38 47 E): **SMF**: 83507 - Bulwa Tea Estate (050000S 383800E, 1000 m): **FMNH**: 150414 - Bunduki (07 02 S 37 38 E, 1416 m): **RMCA**: 27291 - Chita, 3 km N (0831S 3556E, 300 m): **FMNH**: 153853, 153854, 153855 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 870 m): **FMNH**: 150072 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 151422 - Gonja Forest Reserve (04 16 S 38 02 E, 550 m): **FMNH**: 151196 - Kihansi Gorge (4.7542S 38.8028E, 700 m): **FMNH**: 163379 - Kihansi Stream area (0824S 3541E): **FMNH**: 183104 - Kilwa (08 45 00 S 39 24 00 E, 25 m): **SMF**: 19453, 19454 - Kilwa (091800S 382500E, 918 m): **ROM**: 35300, 35301 - Kongwa (0612S 3625E): **MCZ**: 22790, 22791 - Kwambumi Forest Reserve (0457S 3844E, 230 m): **FMNH**: 153851 - Litipo Forest Reserve (10 02 S 39 30 E): **SMF**: 82529 - Magrotto Estate (05 07 S 38 45 E): **MCZ**: 38982 - Mahenge Scarp Forest Reserve (0837S 3643E, 780 m): **FMNH**: 182608, 182609 - Matai Forest Reserve (04 51 S 38 46 E, 250 m): **SMF**: 85534 - Mawere: **AMNH**: 83922 - Mbanja [= Mbangala] (0837S 3641E): **MCZ**: 38823 - Mikindani (10 17 S 40 07 E, 17 m): **SMF**: 26878 - Morningside (06 53 00 S 37 04 00 E, 4000 ft): **SMF**: 57321 - Mtira: **ZMB**: 50068 - Mtowamba (03 22 28 S 35 51 15 E, 1170 m): **AMNH**: 161308 - Muheza Forest, Tongwe Forest Reserve (051820S 384344E): **SMF**: 79632 - Namanjere [=Namanyere] (0731S 3103E): **ZMB**: 50038 - Nguru North Forest Reserve (0529S 3728E): **FMNH**: 168321, 168322 - Ruvu South Forest Reserve (0657S 3855E): **FMNH**: 182567 - Segoma Forest Reserve (04 58 S 38 45 E, 120 m): **SMF**: 88507 - Segoma Forest Reserve (04 58 S 38 45 E, 635 m): **SMF**: 91246 - Songwe Bat Cave (09 42 S 33 56 E): **SMF**: 85542 - Songwe Valley, Tegemo farm (ca. 09 56 35 S 33 13 04 E, 1300 m):

SMF: 79631 - Suma (09 12 00 S 33 43 00 E, 1452 m): **RMCA**: 96.037-M-7165 - Tanga (05 04 00 S 39 06 00 E, 0 m): **MNHN**: ZM-MO-1966-184; **ROM**: 77787, 77788, 83935 - Uluguru mountains (07 10 S 37 40 E): **RMCA**: a4.036-M-0511 - Uluguru Mts, Uluguru North Forest Reserve (065500S 374200E, 1345 m): **FMNH**: 158339 - Unyanganyi (0450S 3500E): **MCZ**: 25728.

Rhinolophus hilli Aellen, 1973

Rwanda:
Routabansougera (022500S 290100E, 1750 m): **RMCA**: 82.006-M-0001 - Uwinka (02 28 00 S 29 12 00 E, 2512 m): **ZMZ**: 126639 (Holotype *Rhinolophus hilli*).

Rhinolophus hillorum Koopman, 1989

Cameroon:
Bali (05 53 00 N 11 01 00 E, 1415 m): **RMCA**: 92.056-M-0002.
Guinea:
Mount Nimba (073700N 082500W): **MNHN**: ZM-MO-1985-1520.
Kenya:
Kikuyu (01 15 S 36 40 E, 1931 m): **AMNH**: 189478.
Liberia:
Unknown locality: **BMNH**: 1979.459 - John Hegbe farm (0825N 0935W, 500 m): **AMNH**: 257044 (Holotype *Rhinolophus clivosus hillorum*) - Ziggida, 1 km E, 10.5 km N: **AMNH**: 265709, 265710.
Nigeria:
Sapoba Forest Reserve (060432N 054909E): **ROM**: 86948.

Rhinolophus hipposideros (Bechstein, 1800)

"Africa":
Unknown locality: **ZMA**: MAM.04422.
Algeria:
Unknown locality: **BMNH**: 1912.11.14.16 - Biskra (34 51 N 05 44 E, 213 m): **ZMB**: 17550 - Bône, near (3654N 0746E): **MNHN**: ZM-MO-1884-2006, ZM-MO-1884-2007 - Brezina cave (33 05 59 N 01 15 25 E, 825 m): **ISEA**: 9584, 9585 - Cheurfas Barrage: **HNHM**: 95.83.1 - Gorges de Kherrata tunnel (ca. 36 29 37 N 05 16 41 E): **IVB**: A204 - Gran Cabilia: **HNHM**: 84.301.3 - Gran Cabilia, Sea-Atlas: **HNHM**: 84.301.1, 84.301.2 - Misserghin (35 36 42 N 00 44 27 W, 78 m): **ISEA**: 9587 - M'Sila forest (35 38 56 N 00 52 25 W): **EBD**: MAM 8941 - Sebdou (34 38 33 N 01 19 59 W, 904 m): **IVB**: A237 - Sebdou, 20 km NW (ca. 34 38 33 N 01 19 59 W): **ISEA**: 9586 - Sig (35 31 40 N 00 11 43 W, 73 m): **ISEA**: 9588, 9664.
Angola:
Unknown locality: **BMNH**: 1910.4.8.3.
Cameroon:
Unknown locality: **BMNH**: 1909.10.2.3, 1914.1.24.6, 1914.7.23.6, 1923.1.22.12.
Egypt:
Unknown locality: **RMNH**: MAM.35902, MAM.35905 - Sinai, Wadi El Feiran (284307N 333713E): **FMNH**: 74476.
Eritrea:
Keren (1546N 3827E, 1400 m): **SMNS**: 987 (Holotype *Rhinolophus miminus*).
Ethiopia:
Unknown locality: **BMNH**: 1970.463, 1971.653.
Liberia:
Unknown locality: **BMNH**: 1913.11.21.3.
Morocco:
Unknown locality: **BMNH**: 1910.11.24.1, 1910.11.24.4, 1910.12.24.3; **MNHN**: ZM-2006-269 - Al Hoceima, 9 km SE (3512N 0353W): **USNM**: 476316, 476317, 476318, 476319, 476920, 476921 - Berkane (345516N 021946W, 179 m): **MNHN**: ZM-MO-1985-1531 - Chechaouen (3519N 0516W): **USNM**: 476315 - Essaouira [= Mogador] (ca. 3130N 0945W): **MCZ**: 8890, 8891, 8892, 8893, 8894, 8895 - Figuig (320700N 011337W, 878 m): **MNHN**: ZM-MO-1985-1530 - Gorges du Dadès (31 31 N 05 56 W, 1570 m): **NMP**: 93602 - Ha-ha (ca. 31 30 N 09 45 W): **BMNH**: 1910.11.24.2 (Holotype *[Rhinolophus hipposideros] escaleræ*) - Kef Azigza cave (32 02 N 03 47 W, 1060 m): **EBD**: MAM 25784 - Ouarzazate, 5 km SE (3053N 0657W): **USNM**: 476321 - Ouarzazate, 5 km SW (3053N 0657W): **USNM**: 478314 - Oued Korifla (ca. 34 02 N 06 50 W): **MNHN**: 833 (Paratype *Rhinolophus hipposideros vespa*), 919 (Holotype *Rhinolophus hipposideros vespa*) - Ouezzane, 10 km W (3446N 0541W): **USNM**: 476320 - Takoumit oasis (32 05 N 03 46 W, 1115 m): **NMP**: 94519, 94520 - Tiflet, 15 km W (3356N 0627W): **USNM**: 476314 - Tiflet, 21 km W (3359N 0634W): **USNM**: 476312, 476313, 476919.
Sudan:
Unknown locality: **BMNH**: 1847.5.27.48.
Tunisia:
Aïn Draham (36 46 38 N 08 41 33 E, 982 m): **MNHN**: ZM-MO-1906-18 - Djebel Zaghouan, cave at Poste Optique (3621N 1007E): **TTU**: 72202, 72203, 72204, 72205, 72206, 72207, 72208 - Kasserine caves: **MNHN**: ZM-MO-1983-1640 - Sousse (35 49 32 N 10 38 28 E, 0 m): **MNHN**: ZM-MO-1983-1641, ZM-MO-1983-1642, ZM-MO-1983-1643.

Rhinolophus kahuzi Fahr and Kerbis Peterhans, 2013

Congo (Democratic Republic of the):
Kahuzi, W slope of mount (02 12 07 S 28 40 24 E, 2560 m): **FMNH**: 219793.

Rhinolophus landeri Martin, 1838

"Africa":

Unknown locality: **MNHN**: ZM-MO-1911-2291, ZM-MO-1911-2294, ZM-MO-1985-381, ZM-MO-1985-382; **ZMA**: MAM.26212, MAM.26258, MAM.26259.

Benin:

Diho (0805N 0231E, 152 m): **USNM**: 421373.

Burkina Faso:

Barga, 9 km NE (13 51 N 02 12 W): **USNM**: 452874, 452875 - Diebougou (10 57 N 03 15 W, 984 ft): **SMF**: 60946, 60947, 60948, 60949, 60950, 60951, 60952 - Konankira (1254N 0353W): **USNM**: 454620, 454621, 454622, 454623, 454624 - Natiaboani (11 41 57 N 00 30 22 E, 268 m): **USNM**: 450675, 450676, 450677, 450678 - Nayouré, 3 km SE (1215N 0016E): **USNM**: 452876.

Cameroon:

Unknown locality: **BMNH**: 1948.639, 1948.640, 1948.641, 1984.1668, 1989.707 - Bokwango (0409N 0912E, 1219m): **ROM**: 50922 - Bota (04 01 43 N 09 11 15 E, 109 m): **ROM**: 46820 - Buéa (04 09 34 N 09 14 12 E, 1850 m): **ZMB**: 93808, 93809, 93810, 93811, 93812 - Buea Station area, small Sopo (0407N 0912E): **ROM**: 68945, 68963 - Gwando (0409N 0912E, 1067 m): **ROM**: 46821 - Gwando (0409N 0912E, 1067m): **ROM**: 46822, 46823, 46824, 46825, 50923, 50924, 50925 - Kribi, 7 mi N (0255N 0955E): **ROM**: 54942 - Lolodorf (0316N 1050E): **MCZ**: 34031 - Musaké (04 12 N 09 12 E, 1830 m): **MNHN**: ZM-MO-1985-832, ZM-MO-1985-833, ZM-MO-1985-834 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0617, 73.016-M-0170, 73.017-M-0133 - Yoko, 34 km S (0531N 1218E): **ROM**: 56104, 56105.

Central African Republic:

Bamingui-Bangoran National Park (0755N 2015E, 469 m): **BMNH**: 1981.237 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-955, ZM-MO-2000-956.

Côte d'Ivoire:

Unknown locality: **SMF**: 84395, 91877, 91878, 91879, 91880, 91881 - Déoulé (073023N 073019W, 640 m): **FMNH**: 105326 - Kadioa, near (0858N 0553W): **FMNH**: 105325 - Lamto Ecology Station (06 13 N 05 02 W): **ROM**: 80321.

Equatorial Guinea:

Bata (01 51 00 N 09 45 00 E, 530 m): **MSB**: 28896; **RMCA**: 33110 - Bioko Island (03 30 N 08 42 E): **BMNH**: 1855.12.26.250 (Holotype *Rhinolophus landeri*) - Bioko Island (0330N 0842E): **AMNH**: 185330 - Moka (03 20 N 08 40 E, 1013 m): **MSB**: 25207.

Ethiopia:

Unknown locality: **BMNH**: 1970.2212, 1970.460, 1972.212_1, 1972.212_2, 1972.212_3, 1972.212_4, 1972.212_5, 1972.213, 1972.216, 1972.4344_1, 1972.4344_2, 1972.4344_3, 1972.4344_4, 1972.4344_5, 1972.4344_6, 1972.4344_7, 1972.4344_8, 1972.4352, 1972.4353, 1972.4354, 1972.4355, 1974.6; **SMF**: 45734 - Lake Shalla (0729N 3832E, 1800 m): **FMNH**: 105385, 105386, 105387, 105388, 105389, 105390, 105391, 105392, 105393, 105394, 105395, 105396, 105397, 105398, 105399, 105400, 105401, 105402, 105403, 105404, 105405, 105406, 105407, 105408 - Megbiya Ber (12 16 N 35 43 E, 607 m): **NMP**: 95919 - Megenagne (12 12 N 35 40 E, 564 m): **ZMMU**: S-189598, S-189599 - Negheli (0519N 3935E): **MNHN**: ZM-MO-1973-488 - Neghelli (0519N 3935E): **MNHN**: ZM-MO-1972-488.

Gabon:

Bengoué (00 58 S 09 11 E, 0 m): **MNHN**: ZM-MO-1985-1521; **ZMA**: MAM.19666, MAM.19667 - Lambaréné (00 42 00 S 10 13 00 E, 45 m): **MNHN**: ZM-MO-1896-2436 - Moukalaba Reserve (0217S 1030E, 110 m): **FMNH**: 167767, 167768, 167769 - Mount Doudou fauna exploitation area (0213S 1024E, 375 m): **FMNH**: 167770 - Mount Doudou fauna exploitation area (0214S 1024E, 625 m): **FMNH**: 167771 - Mount Tandou (01 50 S 10 40 E, 610 m): **FMNH**: 73826 - Oyem (01 35 54 N 011 34 31 E, 552 m): **ZMA**: MAM.19663, MAM.19664, MAM.19665.

Ghana:

Unknown locality: **BMNH**: 1936.10.16.3, 1975.543_1, 1975.543_2; **RMNH**: MAM.28521; **SMF**: 89670 - Accra-Kade Road (05 33 N 00 15 W): **ROM**: 39377 - Axim (04 52 06 N 02 14 29 W, 70 m): **USNM**: 412008, 412009, 412010, 412011, 412012, 412013, 412014, 412015 - Bungueli, near (ca. 09 42 50 N 01 53 31 W, ca. 275 m): **AMNH**: 237419, 237420 - Krobo mountain (0605N 0003E): **USNM**: 412016 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 412004, 412005, 412007 - Prince's Town, 7 mi N (044736N 020804W): **USNM**: 412006.

Guinea:

Pic de Foko (08 29 35 N 08 53 48 W, 1289 m): **ZFMK**: 2009.0021 - Whiskey 1 (08 32 56 N 08 53 57 W, 1175 m): **ZFMK**: 2008.0282, 2008.0283.

Liberia:

Mount Nimba (07 30 N 08 30 W): **DNSM**: 12593.

Mali:

Ballassientu (ca. 12 25 N 07 30 W): **MNHN**: ZM-MO-1905-84 - Falea (12 15 51 N 11 16 38 W, 459 m): **DNSM**: 14077.

Mauritania:

Boutilimit (17 32 48 N 14 41 40 W, 50 m): **MNHN**: ZM-MO-1913-563, ZM-MO-1913-663 A, ZM-MO-1913-663 B, ZM-MO-1913-663 C, ZM-MO-1913-663 D, ZM-MO-1913-663 E, ZM-MO-1913-663 F.

Nigeria:

Unknown locality: **BMNH**: 1969.532, 1972.679 - Birninkudu (1127N 0930E, 460 m): **MCZ**: 50183 - Dada (1134N 0429E): **USNM**: 402709, 402710, 402711 - Gwarzo (11 54 58 N 07 56 01 E, 608 m): **SMF**: 77325 - Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 83991, 84000, 84056-b, 86050 - Karaduwa (1219N 0741E): **USNM**: 402708 - Maiduguri (11 50 42 N 13 09 36 E, 294 m): **SMF**: 44773, 44774 - Nindam Forest Reserve (0928N 0819E): **ROM**: 86298, 86937 - Shagunu (10 20 N 04 28 E, 77 m): **USNM**: 379507, 379508, 379509, 379510, 379511, 379512, 379513, 379514, 379515, 410666, 410667, 410668, 410669, 410670, 410671, 410672, 410673, 410674, 410675, 410676, 410677, 410678, 410679, 410680, 410681, 410682, 410683, 410684, 410685, 410686, 410687, 410688, 410689, 410690, 410691, 410692, 410693, 410694, 410695, 410696, 410697, 410698, 410699, 410700, 410701, 410702, 410703, 410704, 410705, 410706, 410707, 410708, 410709, 410710, 410711, 410712, 410713, 410714, 410715, 410716, 410717, 410718, 410719, 410720, 410721, 410722; **ZMA**: MAM.18379 - Wikki (09 46 10 N 10 31 58 E): **ROM**: 86063, 86959.

Senegal:

Bakel, 5 km S (ca. 145400N 122700W): **USNM**: 377934, 377935, 377936, 377937, 377938, 377939, 377940, 377941, 377942, 377943, 377944, 377945, 377946, 377947, 377948, 377949, 377950, 377951, 377952, 377953, 377954, 377955, 377956, 377957, 377958, 377959, 377960, 377961, 377962, 377963, 377964, 377965, 377966, 377967, 381354, 381355, 381356, 381357, 381358, 381359, 381360, 381361, 381362, 381363 - Dindéfélo: **IVB**: S826 - Joal, 4 km N (ca. 1410N 1650W): **USNM**: 379389 - Kaffrine, 15 km N (1408N 1534W): **USNM**: 376220 - Linguere (1522N

1507W): **USNM**: 379184, 379185, 379186, 379187, 379188, 379189, 379190, 379191, 379192, 379193 - Simenti (1301N 1317W): **IVB**: S110.

Sierra Leone:

Unknown locality: **BMNH**: 1946.853, 1947.591, 1947.592, 1947.593, 1947.594, 1947.595, 1947.596, 1947.597, 1947.598, 1952.6, 1953.45, 1953.46, 1953.50, 1953.51, 1953.52, 1953.53, 1956.36, 1956.37 - Hamilton Village (082255N 131535W, 60 m): **ROM**: 77658 - Makeni (0857N 1202W): **ROM**: 51045.

South Sudan:

Gilo area (ca. 040218N 325043E): **FMNH**: 108152, 108153, 108154, 108155 - Katire (0405N 3246E): **FMNH**: 78193 - Katire (0405N 3246E, 1067 m): **FMNH**: 79546 - Katuluru (0425N 3217E): **FMNH**: 78192 - Nagishot (0416N 3334E, 1067 m): **FMNH**: 79547, 79548, 79549, 79550 - Nagishot (0416N 3334E, 1981 m): **FMNH**: 77643, 79626, 79627, 79628, 79629 - Talanga forest (0400N 3244E, 914 m): **FMNH**: 108156 - Torit (0427N 3231E, 610 m): **FMNH**: 67323, 67324, 67325, 67326, 67509, 68072, 68073, 68074, 68075, 68076, 68077, 68078, 68079, 68080, 68169, 74151 - Torit district (ca. 042448N 323404E): **USNM**: 368916.

Sudan:

Unknown locality: **BMNH**: 1847.5.7.45, 1908.4.17.6, 1908.4.17.7, 1928.1.11.10, 1928.1.11.11, 1928.1.11.12, 1928.1.11.13, 1928.1.11.14, 1928.1.11.15, 1928.1.11.16, 1928.1.11.8, 1928.1.11.9 - Abu Zor (1222N 3422E, 450 m): **FMNH**: 34164; **MCZ**: 14470, 14471, 14472, 14626, 14627, 14628, 14629, 14630, 14631, 14632, 14633, 14634, 14635, 14636 - El Lagowa (11 24 N 29 08 E, 560 m): **SMF**: 33014 - Gallabat (1257N 3609E): **FMNH**: 35381, 48714 - Jebel Digodo (10 37 N 29 53 E): **SMF**: 33022, 33023, 33024, 33025, 33026, 33027, 33028, 33029, 33030, 33031, 33032, 33033, 33034, 33035, 33036, 33037 - Kadugli (11 00 N 29 43 E): **SMF**: 33015, 33016, 33017, 33018, 33019, 33020, 33021 - Khuwei, 7 mi N (13 09 02 N 29 13 44 E): **ZMA**: MAM.22173, MAM.22174, MAM.22175, MAM.22176, MAM.22177 - Kordofan province: **BMNH**: 1847.5.7.49 (Holotype *Rhinolophus Dobsoni*).

The Gambia:

Unknown locality: **BMNH**: 1949.478; **SMF**: 91059, 91060, 91061, 92144, 92145 - Lamin Bridge (13 23 35 N 16 37 30 W): **SMF**: 91056, 91057, 91058 - Solifor Point, 500 m S (ca. 13 20 30 N 14 48 59 W): **SMF**: 91075 - Toniataba (13 26 N 15 35 W, 21 m): **USNM**: 379388.

Togo:

Atakpamé (07 32 00 N 01 08 00 E, 376 m): **RMCA**: 73.054-M-0217 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0398, 73.011-M-0399, 73.011-M-0400, 73.011-M-0401, 73.011-M-0402, 73.011-M-0403, 73.011-M-0404, 73.011-M-0405, 73.011-M-0406, 73.011-M-0407, 73.011-M-0408, 73.011-M-0409, 73.011-M-0410, 73.011-M-0411, 73.011-M-0412, 73.011-M-0413, 73.011-M-0414, 73.011-M-0415, 73.011-M-0416, 73.011-M-0417, 73.011-M-0418, 73.011-M-0419 - no specific locality: **BMNH**: 1955.378.

Rhinolophus lobatus Peters, 1852

Angola:

Canzele (08.38S 15.13E): **FMNH**: 81615, 81638, 81639, 81640, 81641, 81642, 81643, 81644, 81645, 81646, 81647, 81648, 81649, 81650, 81651.

Burundi:

Resha (0354S 2924E): **SMF**: 57523, 57524.

Congo (Democratic Republic of the):

Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 49132, 49173, 49175 (Holotype *Rhinolophus axillaris*), 49177; **RMCA**: 12361 - Aka (04 35 00 N 29 42 00 E): **RBINS**: 13664; **RMCA**: 36832 - Banana - Boma road km 74, 25 km from coast in forest (054700S 123100E): **RMCA**: 20643, 20644, 20645, 20646, 20647, 20648, 20649, 20650, 20651, 20652, 20653 - Banana (060100S 122400E, 0 m): **RMCA**: 20746, 20747 - Byonga (03 21 00 S 28 08 00 E): **RMCA**: 38589 - Defrenne cave (10 58 00 S 26 39 00 E): **RMCA**: 28213, 28214 - Gandajika (06 45 S 23 57 E, 806 m): **RBINS**: 14505, 14506 - Goroumbwa Mine (03 06 45.66 N 29 34 13.62 E): **TM**: DRC0141 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RMCA**: 26722, 26723, 26724 - Kabinda (06 08 00 S 24 29 00 E, 842 m): **RMCA**: 18149 - Kakanda cave (104700S 263600E, 1438 m): **RBINS**: 14504; **RMCA**: 22886, 22887; **SMF**: 19576, 19577 - Kakanda Mutaka (104400S 262300E): **RMCA**: 22380 - Kakondo (02 15 00 S 28 42 00 E, 3051 m): **SMF**: 31825, 31827, 31828 - Kakontwe (105900S 264000E, 1253 m): **RMCA**: 22652, 22653 - Kakontwe cave (105900S 263800E, 1294 m): **RMCA**: 23860, 23867, 23868, 26747, 26748, 26749, 26750, 26751, 26752, 26753, 26756, 26773, 26877, 26878 - Kalumbu cave (10 51 00 S 26 39 00 E): **RMCA**: 28319, 28320 - Kaniama (073100S 241100E, 887 m): **RMCA**: 22370 - Kanzenze mission (103100S 251200E, 1157 m): **RBINS**: 15455.1, 15455.2 - Katanga (ca. 10 00 S 27 30 E): **MNHN**: ZM-MO-1957-131 - Katanga (former) province: **SMF**: 18938, 18939 - Kikango (063700S 290300E): **RMCA**: 22127 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 82.031-M-0023, 82.031-M-0024, 82.031-M-0025, 82.031-M-0026, 82.031-M-0027, 82.031-M-0028, 82.031-M-0029, 82.031-M-0030, 82.031-M-0031, 82.031-M-0032 - Kyasala cave (09 56 00 S 25 58 00 E, 1300 m): **RMCA**: 23813, 26802, 26812, 26827, 26843, 26844, 26866 - Lake Kivu, near (ca. 0200S 2910E): **MCZ**: 46096 - Lubondai-Tshimbulu (063400S 223900E, 794 m): **RMCA**: 26279 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.7.6.111 - Lusolo cave (09 57 00 S 25 58 00 E, 1307 m): **RMCA**: 26793, 26794, 26811, 26814, 26815, 26819, 26821, 26822, 26828, 26830, 26831, 26836, 26837, 26838, 26839, 26840, 26852, 26853, 26868, 26869 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **MCZ**: 48215, 48216; **SMF**: 31826 - Maleli (04 20 N 29 37 E): **RBINS**: 13663 - Mulonga cave (09 56 00 S 25 58 00 E): **RMCA**: 26783, 26786, 26800, 26817, 28203, 28204 - Mulungwishi (10 46 58 S 26 37 52 E): **RBINS**: 14495, 14496, 14497, 14498, 14499, 14500, 14501, 14502, 14503 - Mulungwishi cave (10 46 58 S 26 37 52 E, 1366 m): **RMCA**: 23815, 23865, 26231 - Mwanakusu cave (043500S 270800E): **RMCA**: 22724, 22725, 22726, 22727, 22728, 22729, 29207, 29208 - Ndelele (04 22 00 N 29 47 00 E, 900 m): **RBINS**: 13665; **RMCA**: 36828, 36829 - Pawa (02 31 36 N 27 42 10 E, 696 m): **RMCA**: 15727 - Pelenge, gorges (08 40 12 S 26 49 48 E): **RBINS**: 10740 - Sankuru (ca. 04 58 S 23 27 E): **MHNG**: 1047.080 - Swanepoel II abyss (10 51 00 S 26 42 00 E, 1350 m): **RMCA**: 27540 - Tantara cave (11 02 00 S 26 29 00 E, 1334 m): **RMCA**: 26806 - Tshakala (00 27 27 N 25 32 05 E, 453 m): **RMCA**: 82.019-M-0012.

Kenya:

Unknown locality: **BMNH**: 1891.9.7.2, 1910.6.2.33, 1910.6.2.35, 1910.7.2.10, 1910.7.2.12, 1910.7.2.6, 1910.7.2.7, 1910.7.2.8, 1910.7.2.9, 1938.5.10.4-9, 1975.2487, 1975.2488, 1975.2886, 1975.2887_1, 1975.2887_2, 1975.2887_3, 1975.2887_4, 1975.2887_5, 1975.2887_6, 1975.2893_1, 1975.2893_2, 1975.2893_3, 1975.2893_4, 1975.2893_5, 1975.2893_6; **SMF**: 19872 - Amboseli (024000S 371700E, 1152 m): **ROM**: 41834 - Amboseli Game Reserve (ca. 0230N 3700E): **ROM**: 79663 - Athi river (0259S 3831E): **USNM**: 350929 - Athi river (town) (0259S 3831E): **FMNH**: 152587 -

Barberton Cave (0045N 3445E): **USNM**: 350920, 350921, 350922, 350923 - Barberton Cave (0045N 3445E, 2134 m): **ROM**: 40290 - Baringo, lake (003400N 360100E, 3000 ft): **ROM**: 65931 - Coast [former] province: **SMF**: 39430 - Diani (041619S 393408E): **ROM**: 59166, 59167, 59168, 59169 - Diatomite mine (00 25 49 S 36 10 25 E): **MMU**: PWW2819, PWW2820, PWW2821, PWW2822, PWW2823, PWW2824, PWW2825, PWW2826, PWW2827, PWW2828, PWW2829, PWW2830, PWW2831, PWW2832, PWW2904, PWW2905, PWW2906, PWW2907, PWW2908, PWW2909, PWW2910, PWW2911, PWW2912, PWW2913 - Donyo Sabuk (01 08 S 37 16 E): **WNMU**: 566 - Eastern [former] province: **SMF**: 40673 - Kampi Ya Samaki (003600N 360100E, 1006 m): **USNM**: 436609, 436610, 436611 - Kampi Ya Samaki (003600N 360100E, 1067 m): **ROM**: 68525, 68526 - Kariandusi mines (00 27 05 S 36 16 55 E): **MMU**: PWW2726, PWW2727, PWW2728, PWW2729, PWW2730, PWW2731, PWW2732, PWW2733, PWW2851, PWW2865, PWW2866, PWW2867 - Kayata area (01 07 41 S 37 19 39 E): **ROM**: 63855, 63856, 63869, 63870, 63871, 63872 - Kedong Valley (011000S 363000E, 6000 ft): **ROM**: 38298, 73273 - Kiboko, 1 mi [= 1.6 km] W (ca. 02 11 00 S 37 43 00 E, 914 m): **FMNH**: 152583, 152584, 152585 - Kibwesi (0225S 3758E, 1000 m): **ZMB**: 50030 - Kijabe Station (0055S 3635E): **FMNH**: 44160, 44161 - Kilifi (0338S 3951E, 61 m): **ROM**: 38406, 38407, 38408, 38409 - Kimakia cave (02 30 00 S 37 45 00 E): **RMCA**: 75.054-M-0001 - Kimilili, near (ca. 0047N 3443E): **ROM**: 39031, 39032, 39033, 39034, 39035, 39036, 39037, 39038, 39039 - Kitale, 25 mi [=40 km] NW (ca. 01 01 N 35 01 E, 2042 m): **CAS**: 11934 - Kongelai Escarpment (012800N 350100E, 1325 m): **ROM**: 39585, 39599, 39613 - Kyabe Station (0055S 3635E): **USNM**: 166374, 166376, 166377, 166378, 166379, 166380, 166381 - Lake Baringo (003800N 360500E, 3000 ft): **AMNH**: 219733, 219734 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **CAS**: 11936, 11937, 11938, 11939, 11940, 11941, 11942, 11943; **ROM**: 36308, 36309, 36310, 36311, 36312, 36313, 41909, 41910, 48511, 48512, 48513, 66235, 77802, 77803, 77804, 77805, 77806, 77807, 77809, 77810, 77811, 91166; **USNM**: 162100, 350904, 350905, 350906, 350908, 350909, 350910, 350911, 350912, 350913, 350914, 350915, 350916, 350917, 350918, 350919 - Lake Naivasha, E shore (ca. 00 46 00 S 36 21 00 E, 6000 ft): **FMNH**: 152593, 152594 - Langata (01 24 S 36 46 E, 1731 m): **SMF**: 19447 - Makindu cave (021700S 374900E, 1070 m): **ROM**: 77812 - Mombasa (04 03 00 S 39 40 00 E, 0 m): **MNHN**: ZM-MO-1985-934, ZM-MO-1985-935, ZM-MO-1985-936, ZM-MO-1985-937 - Mombasa, 6.4 km S (0404S 3940E): **ROM**: 79662 - Mount Elgon (ca. 010043N 344415E, 1890 m): **ROM**: 65477, 65485, 65486, 65487, 65488, 65489, 65490, 65491, 65492, 65493 - Mount Elgon (ca. 010043N 344415E, 1951 m): **ROM**: 51904, 51905, 51906, 66637, 66638, 66639, 66640 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1890 m): **ROM**: 42940, 42941, 42943, 42944, 42945, 42950, 42951, 42952, 42953, 42954 - Mount Suswa cave (01 09 S 36 21 E, 2195 m): **FMNH**: 152588, 152589; **USNM**: 350924, 350925, 350926, 350927 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E): **ROM**: 77808 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152591, 152592, 152595, 152596, 152597 - Mwapewa caves (04 16 19 S 39 34 08 E): **ROM**: 59170, 59171, 59172 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **USNM**: 166354, 166355, 166356, 166357, 166358, 166359, 166360, 166361, 166362, 166363; **WAM**: M16521 - Naivasha (00 43 S 36 26 E, 2085 m): **ROM**: 65409, 65410, 65411, 65412, 65413, 65414, 65415, 65416, 65417, 65649, 65650, 65651, 65652 - Naivasha, 7 mi [=11 km] SE (ca. 00 47 33 S 36 28 36 E): **FMNH**: 152590 - Ndi (0314S 3830E, 2000 m): **ZMB**: 5266 - Ol Donyo Sapuk, mount (01 08 00 S 37 16 00 E): **FMNH**: 152586 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **CUMV**: 14587 - Sultan Hamud (0202S 3723E): **USNM**: 350930 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **ZMA**: MAM.20753, MAM.20754 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **AMNH**: 114476 - Western [former] province: **SMF**: 39416.

Malawi:

Unknown locality: **BMNH**: 1896.10.28.12, 1922.12.17.5, 1922.12.17.6, 1922.12.17.7, 1922.12.17.8, 1922.12.17.9 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **KU**: 79286, 79287 - Likabula river (16 01 00 S 34 47 00 E, 1200 m): **MVZ**: 220892, 220893, 220894, 220895, 220896, 220897 - Ncheu [=Ntcheu] (14 49 S 34 38 E, 1081 m): **TM**: 9162 - Nkhotakota (12.93S 34.3E): **KM**: 11684 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420 m): **MVZ**: 220873, 220874, 220875, 220876, 220877, 220878, 220879, 220880, 220881, 220882, 220883, 220884, 220885, 220886, 220887, 220888, 220889, 220890, 220891.

Mozambique:

Unknown locality: **BMNH**: 1908.4.3.11, 1908.4.3.12, 1908.4.3.14, 1908.4.3.9 - Beira, 212 km SSW (212612S 335101E): **TTU**: 8306 - Cheringoma plateau (ca. 18 37 30 S 34 44 24 E): **TM**: 49117, 49118 - Chihalatan cave (21 40 16 S 34 51 50 E): **FMNH**: 228936, 228937, 228938, 228939, 228940, 228941 - Chinizuia Forest (18 58 38 S 35 03 20 E): **DNSM**: 8574 - Chitengo Camp (18 58 44 S 34 21 05 E): **TM**: 49114, 49115 - Dondo Forest (19 36 S 34 44 E): **ROM**: 51066, 51067, 51068 - Gorongosa National Park (18 41 25 S 34 18 49 E): **DNSM**: 13838, 13894, 13905, 13916, 13937, 13942, 13943, 13944, 13945, 14529, 14531, 14532 - Inhaminga (18 24 13 S 34 59 45 E, 309 m): **SMF**: 11640 - Malashane cave (21 40 05 S 34 50 49 E): **FMNH**: 228947, 228954, 228965 - Massamba, 16 km E (16.13S 33.63E): **USNM**: 365180 - Massangena (21 33 18 S 32 57 38 E, 115 m): **USNM**: 352034, 352035, 352036, 352037, 352038, 352039, 352040, 352041 - Muchena (15 40 56 S 33 48 20 E, 356 m): **TM**: 14653, 14655, 14656, 14657, 14662, 14663, 14664; **USNM**: 365181, 365182, 365183, 365184, 365185, 365186, 365187, 365189, 365190, 365191, 365192, 365194, 365195, 365241 - Pemba, SW of (13 00 23 S 40 31 25 E): **DNSM**: 8575 - Sena: **ZMB**: 24922, 24927, 2496, 375 - Tete, 3 km E (16.27S 33.6E): **USNM**: 365178 - Vila Gamito,10 km N (14.08S 33.02E): **USNM**: 365197 - Zinave NP (21.37S 33.87E): **NHMZ**: 62096 - Zinave NP, 3 km SSW (21.39S 33.89E): **NHMZ**: 62099, 62106 - Zinave NP, 9 km SSW (21.43S 33.93E): **NHMZ**: 62097.

Rwanda:

Nyakichozi (01 23 S 30 37 E, 1250 m): **INPBC**: V3118.2.

South Africa:

Botshabelo: **ZMB**: 4064 - Fig Tree Camp (22 26 00 S 31 11 00 E): **TM**: 36866 - Girivana Cave (24 21 26 S 31 41 26 E): **KNP**: 72 - Manxeba windmill (22 24 S 31 14 E): **TM**: 38131 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 48582 - Shirombe pan (2243S 3123E): **TM**: 30554 - Sudwala Cave (25 22 S 30 42 E, 845 m): **TM**: 41986 - Trichardstal (2410S 3024E, 638 m): **FMNH**: 108342 - W.N.L.A. Garden, Pafuri (22 24 10 S 31 15 12 E): **KNP**: 81, 82, 83.

Tanzania:

Unknown locality: **BMNH**: 1961.1517, 1964.1512, 1964.1513, 1964.1515, 1964.1516, 1975.2483, 1975.2485, 1975.2486, 1975.626; **SMF**: 88501 - Arusha region: **SMF**: 79628 - Iringa (0747S 3542E): **ZMB**: 60914 - Kilimanjaro region: **SMF**: 82527 - Kilosa (06 50 S 36 59 E, 572 m): **MCZ**: 22792 - Kisarawe, near (ca. 0653S 3903E): **USNM**: 536680, 536681, 536682, 536683, 536684, 536685, 536686, 536687 - Matumbi-Berge [=Matumbi Hishlands] (0820S 3855E): **ZMB**: 50063, 50064, 50065 - Pwani region: **SMF**: 79629, 79630 - Tanga region: **SMF**: 82498, 83508, 85535, 90880, 90881, 90882, 90883, 90884, 90885, 91240, 92504, 93207, 93377, 93378 - Tanganyika, lake: **ZMB**: 50050 - Udzungwa Mts, West Kilombero Scarp Forest Reserve, Ndundulu Forest (0750S 3628E, 1900 m): **FMNH**: 177694 - Unyanganyi (0450S 3500E): **MCZ**: 28136, 28137.

Uganda:

Unknown locality: **BMNH**: 1940.702, 1940.703, 1940.704, 1940.705, 1940.706, 1940.707, 1940.708, 1940.709, 1940.710, 1940.711, 1940.712, 1940.713, 1940.714, 1940.715, 1940.717, 1940.718, 1940.719, 1940.720, 1964.98.

Zambia:

Unknown locality: **QM**: JM6203 - Chilanga Cave (15.55S 28.27E): **FMNH**: 95147 - Fort Jameson [=Chipata] (13.62S 32.65E): **KM**: 9648 - in house (1331Bb): **BMNH**: 1968.125, 1968.126, 1968.127 - Mfuwe (1305S 3147E): **MSU**: MR.14294 - Missale Old Mine (14.12S 32.87E): **NHMZ**: 20080 - Mwinilunga (1121S 2415E, 4700 ft): **AMNH**: 89174, 89175.

Zimbabwe:

Unknown locality: **BMNH**: 1864.12.10.12, 1952.1531, 1955.1066, 1955.1067, 1968.124 - Chirisa Cave (17.62S 28.37E): **NHMZ**: 59661 - Chirisa Cave (1741S 2823E): **TM**: 34909, 34910, 34911, 34912, 34913, 34914, 34915, 34916, 34917, 34918, 34919, 34920, 34921, 34922, 34923, 34924, 34925, 34926 - Chirisa Safari area (175500S 281500E): **ROM**: 87407 - Dahlia, 5 mi [= 8 km] W (1835S 2708E, 914 m): **FMNH**: 152598, 152599, 152600, 152601, 152602, 152603, 152604, 152605 - Gonarezhou NP, Chipinda Pools (21.27S 31.9E): **NHMZ**: 33382 - Iron Mask Hills cave (170342S 305748E): **TM**: 41873 - Lake Kariba (16.88S 28.38E): **NHMZ**: 60739 - Lake Kariba Game Camp (17.0S 28.0E): **NHMZ**: 9564 - Lake Kariba, Mwenda (17.12S 27.87E): **NHMZ**: 60771 - Lake Kyle NP (20.17S 30.92E): **NHMZ**: 58443 - Mabura 2 Cave, Munyati R. (18.12S 29.37E): **NHMZ**: 31741 - MacDougall's Tunnel, Triangle (21.12S 31.37E): **NHMZ**: 60740 - Mana Pools NP, Nyamepi (15.8S 29.87E): **NHMZ**: 60759 - Matobo Research Station (20.25S 28.75E): **NHMZ**: 81514 - Mushandlke NP (20.13S 30.63E): **NHMZ**: 58431 - Mutare Asbestos Mine (18 58 29 S 32 39 20 E): **NHMZ**: 60718 - Nyamunyeche, Mvurwi (16.77S 30.95E): **NHMZ**: 56219 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **ROM**: 87398 - Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 88417 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 60719 - Triangle (21.12S 31.37E): **NHMZ**: 60765.

Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

Mozambique:

Mount Inago (15.08S 37.39E, 1000 - 1478 m): **DNSM**: 11485 - Mount Mabu (16 16 48 S 36 24 00 E, 1043m): **DNSM**: 10842.

Rhinolophus maclaudi Pousargues, 1898

Guinea:

Conakry Island (093033N 134244W): **MNHN**: ZM-MO-1897-281 - Grotte Garrigues (10 10 23 N 21 31 05 W): **IFAN**: 54-1-25 - Kankasili and Souguéta, between (ca. 10 10 09 N 12 31 22 W): **ZMA**: MAM.11885 - Salung Plateau, cave near Nyembaro (400 m): **SMNS**: 6117, 6118, 6119; **ZFMK**: 1959.0171, 1959.0172, 1959.0173.

Rhinolophus maendeleo Kock, Csorba and Howell, 2000

Mozambique:

Manho Forest (15 22 09 S 37 03 40 E, 1750 m): **DNSM**: 10839 - Mount Namuli base camp (ca. 15 22 S 37 02 E): **DNSM**: 10833.

Tanzania:

Amboni Cave Forest (05 04 00 S 039 03 00 E, 36 m): **SMF**: 79643 (Holotype *Rhinolophus maendeleo*) - Kiwengwa-Pongwe Forest Reserve cave (0601S 3922E, 29 m): **FMNH**: 198047 - Mazumbai Forest Reserve (04 45 S 38 15 E, 1500 m): **SMF**: 66960 (Paratype *Rhinolophus maendeleo*) - Nyumbanitu Forest (0751S 3622E, 1450 m): **FMNH**: 169528, 169529 - Nyumbanitu Forest (0751S 3622E, 1569 m): **FMNH**: 169527 - Tanga region: **SMF**: 93354.

Rhinolophus mehelyi Matschie, 1901

Algeria:

Unknown locality: **MNHN**: ZM-MO-1892-1270, ZM-MO-1892-1271; **SMF**: 59645, 59646, 59647 - Aïn-Sefra (32 45 N 00 35 W, 1081 m): **MNHN**: ZM-MO-1985-905 - Blida(h) and Little Desert, between (34 20 N 03 00 E): **MNHN**: ZM-2006-249 - Cheurfas Barrage: **HNHM**: 2000.18.1, 2000.18.2, 2000.18.4, 2000.18.5, 95.83.2 - no specific locality: **ZMB**: 3052 (Paratype *E[uryalus] meridionalis*).

Egypt:

Unknown locality: **MNHN**: ZM-MO-1859-617 - Al Jiza governorate: **FLMNH**: 5529 - Burgh-El-Arab (3055N 2932E): **FMNH**: 74477, 74478, 78944, 78945, 78946; **USNM**: 312631, 312632 - Giza Pyramids (29 58 N 31 07 E): **FMNH**: 78857, 78858, 78859, 78860, 78861, 78862, 78863, 78864, 78865, 78866, 78867, 78868, 78869, 78870, 78871, 78872, 78873, 78874, 78875, 78876, 78877, 78878, 78879, 78880, 78881, 78882, 78883, 78884, 78885, 78886, 78887, 78888, 78889, 78890, 78891, 78892, 78893, 78894, 78895, 78896, 78897, 78898, 78899, 78900, 78901, 78902, 78903, 78904, 78905, 78906, 78907, 78908, 78909, 78910, 78911, 78912, 78913, 78914, 78915, 78916, 78917, 78918, 78919, 78920, 78921, 78922, 78923, 78924, 78925, 78926, 78927, 78928, 78929, 78930, 78931, 78932, 78933, 78934, 78935, 78936, 78937, 78938, 78939, 78940, 78941, 78942, 78943, 78947, 78948, 78949, 78950, 78951, 78952, 78953, 78954, 78955, 78956, 78957, 78958, 78959, 78960, 78961, 78962, 78963, 78964, 78965, 78966, 78967, 78968, 78969, 78970, 78971, 78972, 78973, 78974, 78975, 78976, 78977, 78978, 78979, 78980, 78981, 78982, 78983, 78984, 78985, 78986, 78987, 78988, 78989, 78990, 78991, 78992, 78993, 78994, 78995, 78996, 78997, 78998, 78999, 79000, 79001, 79002, 79003, 79004, 79005, 79006, 79007, 79008, 79009, 79010, 79011, 79012, 79013, 79014, 79015, 79016, 79017, 79018, 79019, 79020, 79021, 79022, 79023, 79024, 79025, 79026, 79027, 79028, 79029, 79030, 79031, 79032, 79033, 79034, 79035, 79036, 79037, 79038, 79039, 79040, 79041, 79042, 79043, 79044, 79045, 79046, 79047, 79048, 79049, 79050, 79051, 79052, 79053, 79054, 79055, 79056, 79057, 79058, 79059, 79060, 79061, 79062, 79063, 79064, 79065, 79066, 79067, 79069, 79070, 79071, 79072, 79073, 79074, 79075, 79076, 79077, 79078, 79079, 79080, 79081; **USNM**: 312519, 312520, 312521, 312522, 312523, 312524, 312525, 312526, 312527, 312528, 312529, 312530, 312531, 312532, 312533, 312534, 312535, 312536, 312537, 312538, 312539, 312540, 312541, 312542, 312543, 312544, 312545, 312546, 312547, 312548, 312549, 312550, 312551, 312552, 312553, 312554, 312555, 312556, 312557, 312558, 312559, 312560, 312561, 312562, 312563, 312564, 312565, 312566, 312567, 312568, 312569, 312570, 312571, 312572, 312573, 312574, 312575, 312576, 312577, 312578, 312579, 312580, 312581, 312582, 312583, 312584, 312585,

312586, 312587, 312588, 312589, 312590, 312591, 312592, 312593, 312594, 312595, 312596, 312597, 312598, 312599, 312600, 312601, 312602, 312603, 312604, 312605, 312606, 312607, 312608, 312609, 312610, 312611, 312612, 312613, 312614, 312615, 312616, 312617, 312618, 312619, 312620, 312621, 312622, 312623, 312624, 312625, 312626, 312627, 312628, 312629, 312630 - Giza pyramids area (2959N 3108E): **FMNH**: 79082, 79083, 79084, 79085, 79086, 79087, 79088, 79089; **USNM**: 312515, 312516, 312517, 312518.

Morocco:

Hercules caves (35 45 21 N 05 56 16 W): **MNHN**: ZM-MO-1985-896, ZM-MO-1985-897, ZM-MO-1985-898, ZM-MO-1985-899, ZM-MO-1985-900, ZM-MO-1985-901, ZM-MO-1985-902, ZM-MO-1985-903, ZM-MO-1985-904 - Hercules caves (354521N 055616W): **FMNH**: 47757, 47758; **USNM**: 476225, 476226, 476227, 476228, 476229, 476230, 476231, 476232, 476233, 476234, 476235, 476236, 476237, 476238, 476239, 476240, 476241, 476242, 476243, 476244, 476245, 476246, 476247, 476248, 476249, 476250, 476251, 476252, 476253, 476859, 476860, 476861, 476862, 476863, 476864, 476868, 476869, 476870, 476871, 476872, 476873, 476874, 476875 - Marrakech prefecture: **SMF**: 22028 - Mechra Benabbou, 11 km SE (3236N 0743W): **USNM**: 476216, 476217, 476218, 476219, 476220, 476221, 476222, 476223, 476224, 476858, 476866, 476867 - Safi, 13 km S (3211N 0915W): **USNM**: 476209, 476210, 476211, 476212, 476213, 476214, 476215, 476857 - Samsa cave (35 35 24 N 05 24 00 W, 114 m): **MNHN**: ZM-MO-1908-31 A, ZM-MO-1908-31 B - Taforalt, 9 km NE (3450N 0222W): **USNM**: 476865 - Tanger (354705N 054846W, 79 m): **MNHN**: ZM-MO-1907-622 A, ZM-MO-1907-622 B - Tanger (3548N 0550W, 0 m): **ZMB**: 12967 (Holotype *E[uryalus] barbarus*), 12969 (Paratype *E[uryalus] barbarus*) - Tanger, 13 km W (3548N 0556W): **USNM**: 470608, 470609 - Tangiers (35 48 N 05 50 W): **ZMB**: 12970 (Paratype *E[uryalus] barbarus*), 12971 (Paratype *E[uryalus] barbarus*) - Tétouan, cave 6 km E (ca. 35 34 N 05 17 W, 250 m): **EBD**: MAM 15296, MAM 15341, MAM 15346, MAM 15347, MAM 15360 - Zegzel cave (345516N 021946W): **MNHN**: ZM-MO-1985-1532, ZM-MO-1985-1533.

Tunisia:

Unknown locality: **BMNH**: 1979.914_1, 1979.914_2; **SMF**: 87158, 87159, 87160, 87161, 87162, 87163, 87164, 87165, 87166, 87167 - Al Huwwariyah cave (3703N 1101E): **ROM**: 77837 - Bat cave (37 05 N 11 03 E): **TTU**: 72209, 72210, 72211, 72212, 72213, 72214, 72215 - Djebel Gloub (36 39 00 N 08 34 00 E): **MNHN**: ZM-MO-1906-17, ZM-MO-1983-1932 - Djebel Rassas (3637N 1024E): **TTU**: 72264 - El Haouaria, 2 km NE (3704N 1102E): **TTU**: 72226, 72227, 72228, 72229, 72230, 72231, 72232, 72233 - El Haouaria, 4 km NE (37 05 N 11 03 E): **USNM**: 498999 (Neotype *Rhinolophus euryale tuneti*) - El Hauaria, 1.5 km NE (3704N 1101E): **TTU**: 72234, 72235, 72236, 72237, 72238, 72239, 72240, 72241, 72242, 72243, 72244, 72245 - El Huaria cave: **AMNH**: 217132 - El Ouidiane abandoned coal mine (3648N 1051E): **TTU**: 72216, 72217, 72218, 72219, 72220, 72221, 72222, 72223, 72224, 72225, 72270 - Feija National Park Headquarters (3630N 0819E): **TTU**: 70914 - Ghar Kraiz (3626N 0923E): **TTU**: 70909, 70910, 70911, 70912, 70913 - Grotte aux Chauves-souris (37 05 N 11 03 E): **ZMA**: MAM.17666 - Kaphza [=Gafsa] (3426N 0847E): **ZMB**: 50137, 50138 - Nabeul (3627N 1044E, 1 m): **FMNH**: 89828, 89829, 89830, 89831 - Nabeul governorate: **SMF**: 18967, 18968, 18971, 18972, 18974, 18975, 18976, 18977, 18978, 18979, 18980, 18981, 22212, 41688, 41689, 41690, 41691, 41692, 41693, 41694, 41695, 41696, 41697, 41698, 41699, 41700, 41701, 41702, 41703, 41704, 41705, 41706, 41707, 41708, 41709, 41710, 41711, 41712, 41713, 41714, 41715, 41716, 41717, 41718, 41719, 41720, 41721, 41722, 41723, 41724, 41725, 41726, 41727, 41728, 41729, 41730, 41731, 41732, 41733, 41734, 41735, 41736, 41737, 41738, 41739, 41740, 41741, 41742, 41754, 41755, 41756, 41757, 41758, 41759, 41760, 41761, 41762, 41763, 41764, 41765, 41766, 41767, 41768, 41769, 41770, 41771, 41772, 41773, 41774, 41775, 41776, 41777, 41778, 41779, 41780, 41781, 41782, 41783, 41784, 41785, 41786, 41787, 41788, 41789, 41790, 41791, 41792, 41793, 41794, 41795, 41796, 41797, 43971, 43972, 43973, 43974, 43975, 43976, 43977, 43978, 43979, 43980, 43981, 43982, 43983, 43984, 43985, 43986, 43987, 43988, 43989, 43990, 43991, 43992, 43993, 43994, 43995, 43996, 43997, 43998, 43999, 44000, 44043, 44044, 44045, 44046, 44047, 44048, 44049, 44050, 44051, 44052, 44053, 44054, 44055, 44056, 44057, 44058, 44059, 44060, 44061, 44063, 44064, 44065, 44066, 44067, 44068, 44069, 44070, 44071, 44072, 44073, 44074, 44075, 44076, 44077, 44078, 44079, 44080, 44081, 44082, 44083, 44084, 44085, 44086, 44087, 44088, 44089, 44090, 70957 - Nefza, 6 km W (3657N 0902E): **FMNH**: 152606 - Ras Rajel cemetery, mine at W edge (3657N 0852E): **TTU**: 72265, 72266, 72267, 72268, 72269 - Tebourba (3650N 0950E): **ZMB**: 12973 (Paratype *E[uryalus] barbarus*), 12975 (Paratype *E[uryalus] barbarus*) - Tunis (36 48 10 N 10 10 47 E, 0 m): **FMNH**: 89832 - Zaghouan, 3 km S (3620N 1008E): **TTU**: 72246, 72247, 72248, 72249, 72250, 72251, 72252, 72253, 72254, 72255, 72256, 72257.

Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

Mozambique:

Cheringoma Caves (18 33 53 S 034 52 19 E): **DNSM**: 8580 - Chinizuia Forest (18 58 38 S 35 03 20 E): **DNSM**: 8579 (Paratype *Rhinolophus mossambicus*) - Gerhard's Cave (21 40 12 S 34 51 36 E, 68 m): **DNSM**: 11276 - Maputo Camp (12 10 56 S 37 33 01 E): **DNSM**: 8578 (Holotype *Rhinolophus mossambicus*) - Namapa (13 29 42 S 39 47 03 E): **DNSM**: 8577 (Paratype *Rhinolophus mossambicus*).

Zimbabwe:

Lutope Ngolangola Confluence (181648S 280448E, 1002m): **NHMZ**: 33644, 33646, 33648, 33649, 33650, 33651, 33653, 33654, 33669, 33670, 33671, 33672, 33673, 33674, 33675, 33676, 33679, 33680, 33682, 33683, 33706, 33707, 33710.

Rhinolophus rhodesiae Roberts, 1946

Congo (Democratic Republic of the):

Dethioux farm cave (11 02 00 S 26 35 00 E, 1334 m): **MHNG**: 1046.063, 1046.064 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RBINS**: 14478, 14479 - Kaboyaboya cave (09 56 00 S 25 58 00 E): **MHNG**: 1047.059, 1047.060, 1047.061, 1047.062; **RBINS**: 14481, 14482, 14485 - Kakontwe cave (105900S 263800E, 1294 m): **MHNG**: 1046.045, 1046.046, 1046.047, 1046.048, 1046.049 - Kando, cave (10 49 00 S 26 07 00 E): **MHNG**: 1046.005 - Kandu cave (09 56 00 S 25 58 00 E): **MHNG**: 1046.050 - Kasoma cave (09 25 00 S 26 37 00 E): **HNHM**: 95.50.1, 95.50.2 - Kyamakonde cave (09 56 00 S 25 58 00 E): **MHNG**: 1047.058 - Kyantapo cave (09 56 00 S 25 58 00 E, 1525 m): **MHNG**: 1046.059 - Kyasala cave (09 56 00 S 25 58 00 E, 1300 m): **MHNG**: 922.086 - Kyasala grande grotte (09 56 00 S 25 58 00 E, 1300 m): **MHNG**: 1046.051, 1046.052 - Lusolo cave (09 57 00 S 25 58 00 E, 1307 m): **MHNG**: 1046.053, 1046.054, 1046.055, 1046.056, 1046.057, 1046.058, 1047.052, 1047.053, 1047.054, 1047.055, 1047.056, 1047.057; **RBINS**: 14473, 14474, 14475, 14477, 14480, 14483, 14484, 14487, 14488 - Mulonga cave (09 56 00 S 25 58 00 E): **MHNG**: 1046.006,

1046.060, 1046.061, 1046.062 - Mulungwishi (10 46 58 S 26 37 52 E): **RBINS**: 14476 - Pempéré cave (10 58 00 S 26 47 00 E): **MHNG**: 1046.044 - Salomoni cave (10 58 48 S 27 16 48 E): **RBINS**: 14472, 14486.

Malawi:

Unknown locality: **BMNH**: 1995.263, 1995.264 - Likhubula Camp (155800S 352900E, 815 m): **FMNH**: 192231 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1541 m): **FMNH**: 192094, 192095, 192096, 192097, 192098, 192099, 192100, 192101, 192102, 192103, 192104, 192105 - Zovo Chipolo Forest (1035S 3343E, 2230 m): **FMNH**: 191591.

Mozambique:

Gerhard's Cave (21 40 12 S 34 51 36 E, 68 m): **DNSM**: 11270, 11271, 11272, 11273, 11275 - Malashane cave (21 40 05 S 34 50 49 E): **FMNH**: 228942, 228943, 228944, 228945, 228946, 228948, 228949, 228950, 228951, 228952, 228953, 228955, 228956, 228957, 228958, 228959, 228960, 228961, 228962, 228964 - Massamba,16 km E (16.13S 33.63E): **USNM**: 365179 - Mount Mecula (12 04 48 S 37 38 24 E, 1227 m): **DNSM**: 13450, 13451 - Vila de Manica [= Manica], 10 km N (18.83S 32.95E): **USNM**: 365202 - Vila Gamito,10 km N (14.08S 33.02E): **USNM**: 365196.

South Africa:

Anthrax camp (222530S 311230E): **TM**: 34265 - Ferncliff Bat Cave (29 32 S 30 20 E, 1000 m): **DNSM**: 12007, 14034 - Figtree camp (222550S 311150E): **TM**: 36101, 36937, 36938 - Hlabeni Forest Reserve (29 57 S 29 44 E, 1318 m): **DNSM**: 7080 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **KNP**: 135; **TM**: 34210 - North Cave (22 26 00 S 31 11 00 E): **KNP**: 166 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36971, 37040.

Tanzania:

Unknown locality: **BMNH**: 1955.226; **SMF**: 81202 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **ZMB**: 50028 - Bagilo (0710S 3740E): **MCZ**: 22373 - Bulwa Tea Estate (050000S 383800E, 1000 m): **FMNH**: 150073 - East Usambara Mts, Monga Tea Estate: **FMNH**: 151421 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 150415 - Magrotto Estate (05 07 S 38 45 E): **MCZ**: 38972, 38973, 38974, 38975, 38976, 38977, 38978, 38979, 38980, 38981 - Mangapwani (0600S 3911E): **MCZ**: 33133, 33134, 33135, 33136, 33137, 33138 - Mikumi National Park (07 15 00 S 37 05 00 E, 876 m): **FMNH**: 180841, 180842, 180858, 180859 - Mlola Forest (0753S 3951E, 20 m): **FMNH**: 182539 - Morogoro region: **SMF**: 66947 - Tanga (05 04 00 S 39 06 00 E, 0 m): **SMF**: 85519.

Zambia:

Chipongwe Cave (15 41 00 S 28 14 00 E): **BMNH**: 1968.600 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33356, 33413, 33423, 33454, 33464, 33766, 33826, 33833, 33861, 33863, 33887, 33893, 33900, 33901, 33902, 33962, 33963, 33976, 33977, 33988, 34055, 34072, 34073, 34074, 34075, 34076 - Missale Old Mine (1405S 3259E): **AMNH**: 207416; **NHMZ**: 20078, 20079, 20102, 20105, 20107, 20108, 20109, 20181, 20182 - Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33574, 33575, 33576, 33617, 33645, 33646 - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (ca. 15 19 S 28 19 E): **MSB**: 33476, 33547, 33548, 33549, 33550, 33551 - Ngwerere cave (15 19 S 28 19 E, 1280 m): **NMZL**: 3440; **SMF**: 47486 - Ngwerere Siding (15 19 S 28 19 E): **BMNH**: 1968.1396; **UZMZ**: 236, 245 - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33655, 33656, 33657, 33677, 33684, 33686, 33687, 33688, 33690, 33691, 33692, 33737, 33743.

Zimbabwe:

Unknown locality: **BMNH**: 1964.478, 1964.479, 1964.480 - Baruka cave (17.37S 30.08E): **USNM**: 368608 - Baruka Cave (1722S 3005E): **FMNH**: 95150, 95151 - Bezwe river (21 30 00 S 31 10 01 E): **TM**: 1325 (Holotype *Rhinolophus swinnyi rhodesiae*) - Chinoyi (1730AC): **HZM**: 3.3905, 4.3906, 5.3918, 6.3919; **NHMZ**: 62051, 62053 - Chirisa Cave (17.62S 28.37E): **NHMZ**: 64814 - Dichwe (1630CC): **NHMZ**: 60557, 60561 - Frog Mine (1729DD): **NHMZ**: 60562, 60563, 60564, 60565 - GreatZimbabwe (20.28S 30.93E): **ROM**: 64951 - Hwange NP, Main Camp (18.73S 26.95E): **NHMZ**: 58701 - Hwange-NP, Main Camp (1826DB): **HZM**: 1.3701; **NHMZ**: 60560 - Lone Star Ranch (21.12S 31.37E): **NHMZ**: 60730 - Masvingo, 30 km SE (20.13S 31.13E): **ROM**: 65001 - Mberengwa Mountain (2029DB): **NHMZ**: 29665, 29666, 30500 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **HZM**: 11.5485; **KU**: 135021; **NHMZ**: 60558 - Nyamunyeche, Mvurwi (16.77S 30.95E): **NHMZ**: 57223 - Orchard Cave (17.37S 30.12E): **NHMZ**: 60556 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **HZM**: 12.7195; **NHMZ**: 64811 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 62090 - Tingwa River: **NHMZ**: 30091, 30092 - Victory Cave (1730Aa): **NHMZ**: 31140 - Viro Hill (1630BC): **NHMZ**: 62091.

Rhinolophus ruwenzorii J. Eric Hill, 1942

Congo (Democratic Republic of the):

Butembo (0009N 2917E, 1760 m): **RBINS**: 7047 - Kibwe Lya Mikako cave (00 14 42 S 29 01 00 E, 1500 m): **RMCA**: 35170, 35173, 35174, 35206, 35208, 35211, 35216, 35217, 35218, 35219 - Komanda (01 23 00 N 29 46 00 E, 928 m): **MHNG**: 1873.011, 1873.012, 1873.013, 1873.014 - Matata Cave (00 58 30 N 29 40 E, 1160 m): **RBINS**: 7048 - Matupi Cave (01 16 12 N 029 54 36 E, 3500 ft): **BMNH**: 1960.100, 1960.101, 1960.99 - Mt Hoyo (01 13 N 29 49 E, 1200 m): **RBINS**: 7049 - Paoni [=Pahoni] (01 58 30 N 28 52 30 E, 913 m): **MHNG**: 1873.010 - W slope of Mount Ruwenzori, Butahu valley, cave (ca. 00 19 35 N 29 49 20 E, 7500 ft): **AMNH**: 82394 (Holotype *Rhinolophus ruwenzorii*).

Rwanda:

Mutura (013556S 292256E, 2370 m): **RMCA**: 85.006-M-0447, 85.006-M-0448.

Uganda:

Itama Mine (00 59 S 29 41 E, 1615 m): **LACM**: 51750, 57772, 57773, 57774, 57775, 57776, 57777 - Luhiza Mine (=Ruhizha wolfram mine) (01 01 53 S 29 46 42 E, 2286 m): **LACM**: 51747, 51748, 51749 - Mahoma river, cave near (002139N 300006E, 6700 ft): **BMNH**: 1955.1187 - Nteko Parish (01 02 16 S 29 36 E, 1600 m): **FMNH**: 160357 - Nyabitaba Hut (00 21 26 N 29 58 31 E, 8750 ft): **FMNH**: 144310, 144311, 144312; **LACM**: 51751.

Rhinolophus sakejiensis Cotterill, 2002

Zambia:

Ikelenge Pedicle between the Sakeji and Zambezi rivers, approximately 11 km NNE of source of Zambezi river, Kavunda (1117S 2421E, 1388 m): **HZM**: 1.32236; **NHMZ**: 29153 (Holotype *Rhinolophus sakejiensis*), 29154 (Paratype *Rhinolophus sakejiensis*).

Rhinolophus silvestris Aellen, 1959

"Africa":

Unknown locality: **MNHN**: ZM-MO-1985-1186.

Congo:

Bongolo (03 35 S 12 15 E, 252 m): **FMNH**: 73827 - Meya-Nzouari,cave (03 53 16 S 14 31 19 E): **HNHM**: 97.4.1; **MNHN**: ZM-MO-1985-1187, ZM-MO-1985-1192, ZM-MO-1985-1193, ZM-MO-1985-1518; **ZMA**: MAM.19320.

Gabon:

N'Dumbu cave (ca. 00 50 S 12 03 E): **MHNG**: 965.040 (Holotype *Rhinolophus silvestris*).

Rhinolophus simulator K. Andersen, 1904

"Africa":

Unknown locality: **KU**: 135664, 135665, 135666, 135667; **TM**: 44490.

Botswana:

Livingstone Cave (ca. 242500S 253200E): **AMNH**: 168240, 168241; **HNHM**: 95.84.1; **HZM**: 15.5505 - Molepolole (2424S 2531E): **MVZ**: 117993, 117994, 117995, 117996 - Molepolole (2424S 2531E, 1189 m): **AMNH**: 168149, 168150, 168151, 168152, 168153, 168154, 168155.

Cameroon:

Unknown locality: **BMNH**: 1956.187, 1956.188, 1968.895, 1968.896, 1968.897, 1968.898; **SMF**: 42322, 42323, 42324, 42325, 42326, 42327 - Bokwango (0409N 0912E): **ROM**: 50936, 50937 - Buéa (04 09 34 N 09 14 12 E, 1200 m): **ROM**: 56900, 56901, 56903, 56944, 56945, 56946, 56947, 56948, 56949, 56950, 56951, 56952, 56953, 56954, 56955, 56956, 56957, 56958, 56959, 56960, 56961, 56962, 56963, 56964, 56965, 56966, 56967, 56968, 56969, 56970, 56971, 56972, 56973, 56974, 56975, 56976 - Galim (07 06 00 N 12 29 00 E, 1120 m): **RMCA**: 73.016-M-0313 - Gwando (0409N 0912E, 1067m): **ROM**: 46826, 46827, 46828, 46829, 46830, 46831, 46832, 50926, 50927, 50928, 50929, 50930, 50931, 50932, 50933, 50934, 50935 - Mount Cameroon (0413N 0910E, 1768 m): **FMNH**: 42596 (Holotype *Rhinolophus alcyone alticolus*), 42597, 42598, 42599.

Congo (Democratic Republic of the):

"Trou aux Serpents" (11 02 00 S 026 29 00 E, 1334 m): **SMF**: 21246 - Baya carrière (11 52 00 S 27 27 00 E, 1279 m): **RMCA**: 34044, 34045, 34046, 34047, 34048, 34049, 34050, 34051, 34052, 34053, 34054, 34060, 34061, 34062, 34063, 34064, 35022, 35028, 35042, 35043 - Defrenne cave (10 58 00 S 26 39 00 E): **SMF**: 19080, 19081 - Kaboyaboya cave (09 56 00 S 25 58 00 E): **SMF**: 21253, 21254, 21255, 21256, 21257, 21258 - Kalomoni cave (105900S 264000E, 1294 m): **SMF**: 19079 - Kasoma cave (09 25 00 S 26 37 00 E): **SMF**: 21265, 21266, 21267, 21268, 21269, 21270, 21271, 21272 - Lubudi (0957S 2558E, 1307 m): **SMF**: 21259 - Lusolo cave (09 57 00 S 25 58 00 E, 1307 m): **SMF**: 21247, 21248, 21249, 21250, 21251, 21252 - Mulong cave (095600S 255800E): **SMF**: 21260, 21261, 21262, 21263, 21264 - Mwanga cave (10 58 00 S 26 39 00 E): **RMCA**: 33997, 33998.

Ethiopia:

Unknown locality: **BMNH**: 1971.2448, 1971.2448_1, 1971.2448_2, 1971.2448_3, 1971.2448_4, 1971.2448_5, 1971.2448_6, 1971.2449, 1971.2450, 1971.2451, 1971.2452, 1971.2453; **SMF**: 41812 - Goba, 3 mi S: **BMNH**: 1964.854 - Sof Omar cave (06 54 22 N 40 50 42 E, 1340 m): **ROM**: 71940, 71941, 71942; **SMF**: 41813.

Guinea:

Mount Nimba (073700N 082500W): **MNHN**: ZM-MO-1985-1522, ZM-MO-1985-1523, ZM-MO-1985-1524, ZM-MO-1985-1525, ZM-MO-1985-1526, ZM-MO-1985-1527, ZM-MO-1985-1528.

Kenya:

Barberton Farm: **ROM**: 83931 - Kiboko, 1 mi [= 1.6 km] E (ca. 02 11 00 S 37 43 00 E): **USNM**: 351224 - Kilifi, 6 mi S (ca. 033800S 395100E): **USNM**: 351222 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **LACM**: 19578 - Kitale, 20 mi SW (0045N 3445E, 1830-2134 m): **USNM**: 351221 - Mount Suswa cave (01 09 S 36 21 E, 2195 m): **USNM**: 351223 - Renshaw Barberton Farm (0045N 3445E): **MCZ**: 50331 - South-East slope of Mount Elgon (ca. 0108N 3433E, 1829 m): **FMNH**: 67903, 67904, 67905, 67906, 67907, 67908, 67909, 67910, 67911, 67912, 67913, 67914.

Liberia:

Ziggida, 10.5 km N, 1 km E: **AMNH**: 265746, 265747.

Malawi:

Unknown locality: **BMNH**: 1911.6.13.2, 1987.1074; **SMF**: 85746 - Chilinda Camp (10 35 S 33 48 E, 2300m): **FMNH**: 191588, 191589, 191590 - Mulanje (15.95S 35.48E): **BMNH**: 1914.6.13.2.

Mozambique:

Massamba, 16 km E (16.13S 33.63E): **USNM**: 365193 - Niassa Game Reserve (12 37 27 S 37 39 23 E): **DNSM**: 8555 - Nyaboa Caves (20.37S 33.62E): **NHMZ**: 64257 - Vila de Manica [= Manlca], 10 km N (18.83S 32.95E): **USNM**: 365198 - Vila de Manica, 10 km N (1850S 3257E): **USNM**: 365199, 365200, 365201.

Nigeria:

Unknown locality: **BMNH**: 1964.53, 1964.54, 1964.55 - Chappal Waddi (0701N 1141E, 1900m): **ZFMK**: 1988.0099 - Gangirwal (0701N 1142E, 2300m): **ZFMK**: 1988.0100.

South Africa:

13 km E Pietermaritzburg (29 36 S 30 31 E, 535 m): **DNSM**: 14584 - Bishopstowe cave (29 34 36 S 30 27 20 E, 823 m): **TM**: 13735, 13736, 13737, 13738, 13739, 13740, 13741 - Bobomeni research camp [=Bobomene] (22 25 18 S 31 12 49 E): **TM**: 40837 - Boekenhoufontein (25 13 00 S 27 06 00 E): **ROM**: 70981, 70982, 70983 - Boston, Virginia Farm (29 40 S 29 57 E, 664 m): **DNSM**: 7264 - Cinnabar mine (254836S 310036E): **TM**: 1983, 1984 - Dongolakop (2214S 2941E): **TM**: 10024 - Doornhoek mine (29 36 S 30 31 E, 535 m): **TM**: 36204, 36205, 36206, 36207, 36208, 36209, 36210; **TTU**: 40974, 40975, 40976, 40977 - Dumisa Gold Mine (30 16 05 S 30 26 29 E, 685 m): **DNSM**: 7836; **TM**: 30122, 30123, 36267 - Entabeni State Forest (23 02 07 S 30 11 33 E): **TM**: 25854, 25855 - Esperanza [=Beneva] Tunnel (30 20 38 S 30 37 53 E, 10 m): **DNSM**: 5078, 5079, 5080 - Farm Doornhoek (29 36 00 S 30 31 00 E): **SMF**: 55038, 55039 - Farm Groothoek 99 (242100S 290748E): **TM**: 23392, 23393, 23394, 23395, 23396, 23397, 23398, 23399, 23400, 23401, 23403 - Farm Hectorspruit (25 26 S 31 41 E): **TM**: 1045, 1186, 1316, 1317, 1318 - Farm Modderfontein, Howel Davies Caves (2420S 2911E): **TM**: 12580, 12581, 12582, 12583, 12584, 12585, 12586, 27503, 27504, 27505 - Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein] (2501S 2737E): **TM**: 1648, 1649, 1650, 1652, 1653, 1654, 1655, 1656, 1657 - Farm Mooiplaas 94 (24 45 S 26 24 E): **TM**: 20480, 20481, 20482, 20483, 20484, 20485, 20486, 20487, 20488 - Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave (24 37 05 S 27 39 08 E): **FMNH**: 152608; **ROM**: 45720, 45721, 45722, 45723, 45724, 45725, 45726, 45727, 45728, 45731, 45732, 45733, 45734, 45735, 45738, 45739, 45740, 48684, 77813, 77814, 77815, 77816; **SMF**: 19560,

19561 - Farm Rhoda 9, old mica mine (2403S 3106E): **TM**: 24253, 24254, 24255 - Farm Rooikranz 538 (2453S 2739E): **TM**: 1651 - Farm Skoongesig 360JS, Languitsig (2537S 2952E): **TM**: 47081, 47085 - Farm Strathfieldsaye (29 55 15 S 30 27 44 E): **TM**: 25459 - Farm Tygerkloof 354 (24 41 40 S 27 12 33 E): **TM**: 45214, 45215, 45216, 45217, 45218, 45219, 45221 - Farm Victoriaspoort 18IT (2607S 3022E): **TM**: 47080 - Farm Victoriaspoort 18IT, Kalkoenkrans Cave (2607S 3022E): **TM**: 47013 - Farm Waterval, Third Mine Tunnel (255211S 301919E): **TM**: 47012 - Figaro Mine (2527S 3128E): **TM**: 41319, 41320, 41321, 41322, 41323, 41324, 41325, 41326, 41327 - Figtree forest (22 26 S 31 11 E): **TM**: 37942 - Fountains Valley (2557S 2812E): **TM**: 42907 - Gatkop cave (24 37 05 S 27 39 08 E): **TM**: 48437, 48438, 48439, 48440, 48441, 48442, 48443 - Gravelotte Mine (2357S 3036E): **TM**: 42885, 42886, 42887, 42888, 42889, 42890, 42891, 42892, 42893, 42894, 42895, 42896, 42897, 42899, 42900, 42901, 42902, 42903, 42904, 42905, 42906 - Gravelotte mines (23 57 S 30 37 E): **TM**: 3992 - Happy Thoughts Gold Mine (3016S 3036E): **DNSM**: 5442, 5443 - Hilgobbin Dargler (2925S 3006E): **TM**: 8917 - Hillside Farm (23 00 59 S 29 47 14 E, 1190 m): **DNSM**: 13532 - Hlabeni Forest Reserve (29 57 S 29 44 E, 1318 m): **DNSM**: 3940 - Horo, in old mine drive (2537S 3122E): **TM**: 1979, 1980 - Irene, Irene cave (255136S 281348E): **TM**: 40919 - Jozini Dam (27 25 00 S 31 58 00 E): **DNSM**: 6183 - Kaalrug (2536S 3133E): **TM**: 47620 - Klein Letaba (river) (23 38 53 S 31 08 42 E): **TM**: 1020 - Kleinfontein (2525S 2620E): **USNM**: 575209, 575210, 575211, 575212, 575213, 575214 - Kok's farm (29 30 S 30 21 E, 1188 m): **TM**: 30150 - Letaba Ranch (23 36 44 S 31 05 20 E): **TM**: 25538 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 36476 - Loskopdam Nature Reserve (2523S 2920E): **TM**: 19834 - Louw's [=Lowes] Creek, Imperial mine (2539S 3118E): **TM**: 2470, 2471, 2472, 2473 - Louw's Creek (2539S 3118E): **TM**: 42908, 42909, 42910, 42911 - Madimbo Military area (2218S 3052E): **TM**: 44489, 44489a, 44491, 44493, 44494, 44495, 44496 - Malelane, 11 km ENE (ca. 2525S 3135E): **AMNH**: 257166, 257167, 257168, 257169, 257170, 257171, 257172, 257173 - Mantuma Camp (27 35 46 S 32 13 03 E, 103 m): **DNSM**: 10773 - Manxeba windmill (22 24 S 31 14 E): **TM**: 37940 - Miggiesgat cave (25 22 S 30 42 E, 845 m): **TM**: 46647 - Mission Rocks (28 15 36 S 32 29 48 E, 4 m): **DNSM**: 6890 - Mokeetsi (2340S 3005E): **TM**: 8907 - Mpumalanga province (245317S 304821E): **TM**: 47621 - Nkandla Forest Reserve (28 43 25 S 31 07 40 E): **KM**: 23676 - Nongoma (28.2S 31.75E): **KM**: 23714 - Oribi-Lind Valley Game Ranch (30 43 S 30 16 E): **TM**: 34330, 34331, 34332, 34333, 34334, 34335, 34336, 34337 - Pafuri, upstream site (2225S 3111E): **TM**: 38852 - Perkeo ? 223KT: **TM**: 47082 - Phinda Game Reserve (27 51 49 S 32 16 29 E, 120 m): **DNSM**: 6330 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **KM**: 23706; **SMF**: 55040, 55041, 55042, 55043, 55044 - Pietermaritzburg, 20 km ENE (ca. 29 27 S 30 29E): **AMNH**: 245213, 245214, 245215, 245216 - Pilanesburg Nature Reserve, Old mine audit (2527Aa): **TM**: 37886 - Pongolapoort Dam (27 25 08 S 32 04 16 E, 122 m): **DNSM**: 4597, 7116, 7117 - Port Durnford (28 54 00 S 31 49 00 E, 41 m): **KU**: 135026 - Pretoria (25 42 25 S 28 13 46 E, 1271 m): **TM**: 42917 - Pretoria, near: **FMNH**: 106025 - Randstephne 455 KQ (24 36 58 S 27 39 31 E, 995 m): **DNSM**: 13394 - Rhenlagen (304956S 302302E): **FMNH**: 152607 - Rietfontein Farm 536 KQ (24 54 30 S 27 44 36 E, 1119 m): **TM**: 47160 - Rietfontein Farm 536 KQ (24 54 30 S 27 44 36 E, 1150 m): **DNSM**: 14276 - Rustenburg (25 40 S 27 14 E): **DNSM**: 594 - Schurweberg (2547S 2759E): **TM**: 42912, 42913, 42914, 42915, 42916 - Sezela Tunnel (30 25 S 30 35 E): **DNSM**: 4739, 4740 - Shongweni Dam (29 51 42 S 30 43 16 E, 290 m): **DNSM**: 3562, 4430, 5661, 5664, 7030, 8798 - Silverglen Nature Reserve (29 55 58 S 30 52 35 E, 120 m): **DNSM**: 5746, 5771 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **AMNH**: 257165 - Skurweberg cave (25 48 S 27 59 E): **TM**: 13447 - South Cave, 5 km East of Metsi Metsi Windmill, on N'Waswitsontso river (ca. 24 47 29 S 031 56 33 E): **KNP**: 165 - Soutpansberg [= Zoutpansberg],Entabeni State Forest (225848S 301500E): **TM**: 25856 - Stan Hope Mine (28 33 45 S 31 09 45 E, 864 m): **DNSM**: 14153, 14154, 8353 - Sudwala Mine 2 (25 22 S 30 37 E): **TM**: 46843, 46844, 46845 - Thornhill Farm 171 JU, Figaro mine (2527S 3138E): **TM**: 39775, 39776, 39777, 39778, 39779, 39780 - Town Bush Valley, Town Bush Cave (29 31 00 S 30 18 00 E, 975 m): **TM**: 30120 - Uitkyk en Paranie Private Nature Reserve (2536S 3106E): **TM**: 20157 - unspecieifed location: **LACM**: 15657 - Vernon Crooks Nature Reserve (303600S 301536E): **TM**: 28834, 28836, 29787, 29789, 29792, 29801, 29805, 29814 - Warmbad, 40 mi WNW: **ROM**: 45814, 45815, 45816, 45817, 45818, 77344 - Waterberg, Farm Klipfontein 54JS (2408S 2808E): **TM**: 47102 - Weinek Farm (244701S 274043E): **USNM**: 376755 - Wonderboom (2541S 2812E): **TM**: 3936, 3937 - Zebedielo (24 16 00 S 29 17 00 E, 1166 m): **SMF**: 19559 - Zwartkop cave (2551S 2810E): **TM**: 45226.

South Sudan:

Katire (0405N 3246E): **FMNH**: 78475 - Kinyiba Cave (03 49 48 N 31 34 40 E, 949 m): **USNM**: 586918, 586923.

Swaziland:

Kubuta (26 52 48 S 31 28 12 E, 508 m): **DNSM**: 7898, 7899 - Malkerns (26 34 12 S 31 09 00 E): **DNSM**: 7189 - Mbuluzi Game Reserve, 3rd river crossing (26 11 50 S 31 58 56 E): **DNSM**: 9864 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **DNSM**: 5824 - Sundwini (26 14 57 S 31 56 31 E): **DNSM**: 8435 - Wyldesdale, in old mine drive (2549S 3116E): **TM**: 1981, 1982.

Tanzania:

Unknown locality: **BMNH**: 1976.291, 1976.292 - Chugu Peak, near (06 50 01 S 36 34 19 E): **FMNH**: 197799 - Kihansi Gorge (4.7542S 38.8028E, 550 m): **FMNH**: 163383 - Kihansi Gorge (4.7542S 38.8028E, 650 m): **FMNH**: 163384 - Kihansi Gorge (4.8197S 38.7097E, 700 m): **FMNH**: 163385 - Morogoro region: **SMF**: 82528 - Mwanihana forest (07 50 S 36 50 E, 100 m): **SMF**: 62866 - Rungwe District (09 15 00 S 33 40 00 E, 5000 ft): **AMNH**: 81423, 81424 - South Pare Mts, Chome Forest Reserve (2000 m): **FMNH**: 153928 - Uluguru Mts, Uluguru North Forest Reserve: **FMNH**: 158337.

Zambia:

Unknown locality: **BMNH**: 1950.355 - CE Ltd., cave: **CAS**: 15105 - Chipongwe Cave (15 41 00 S 28 14 00 E): **BMNH**: 1968.999; **TTU**: 18332; **UZMZ**: 283, 284 - Kaungashi stream, source of (1350S 2647E): **BMNH**: 1966.5445 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33359, 33360, 33361, 33362, 33364, 33365, 33366, 33367, 33369, 33411, 33412, 33422, 33458, 33459, 33465, 33757, 33768, 33776, 33783, 33803, 33804, 33812, 33813, 33814, 33839, 33841, 33842, 33843, 33844, 33867, 33872, 33873, 33874, 33875, 33879, 33880, 33881, 33882, 33883, 33884, 33894, 33898, 33899, 33965, 33974, 33975, 34000, 34001, 34002, 34003, 34004, 34005, 34015, 34016, 34017, 34018, 34058, 34060, 34061, 34088, 34089 - Lusaka (15.42S 28.27E): **NHMZ**: 10316 - Lusaka, 20 mi SW (1528Ca): **BMNH**: 1968.1001, 1968.1002; **UZMZ**: 281, 282, 286 - Mwinilunga (1121S 2415E, 4700 ft): **AMNH**: 89060 - Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33618 - Ngoma (15 52 35 S 25 59 21 E, 1020 m): **BMNH**: 1969.1247 - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (ca. 15 19 S 28 19 E): **MSB**: 32656, 32657, 32658, 33477, 33478, 33479, 33480, 33492, 33493, 33541, 33542 - Ngwerere cave (15 19 S 28 19 E, 1280 m): **AMS**: M.9953; **CAS**: 16163, 16164, 16165, 16166, 16167, 16168, 16169; **HNHM**: 76.156.1, 76.156.2; **HZM**: 27.11478, 28.11479; **MSB**: 34627; **NMZL**: 3448, 3449, 3450; **ROM**: 73969; **SMF**: 47485; **TTU**: 18326, 18327, 18328, 18329, 18330, 18331; **UWBM**: 62836 - Ngwerere Siding (15 19 S 28 19 E): **BMNH**: 1968.100, 1968.1000; **UZMZ**: 237, 238, 240 - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33577, 33579, 33619, 33620, 33621, 33622, 33659, 33660, 33678, 33685, 33716, 33718, 33721, 33722, 33736, 33742.

Zimbabwe:

Unknown locality: **BMNH**: 1895.7.1.4, 1895.7.1.5, 1904.12.1.4 - Chinhoyi, Badze Cave (17.17S 29.19E): **NHMZ**: 31136 - Chinhoyi, Bashungwe Cave (17.12S 29.12E): **NHMZ**: 31138 - Chinhoyi, Orchard Cave (17.47S 30.12E): **NHMZ**: 28790 - Chinoyi, Orchid Cave (1730AC): **USNM**: 368607 - Gem Farm (21.87S 29.62E): **NHMZ**: 57757 - Gweru, E (19.37S 30.12E): **NHMZ**: 32827 - Lake Mcllwaine (17.9S 30.78E): **NHMZ**: 62058 - Mabura 1 Cave, Ngondoma R (18.37S 29.37E): **NHMZ**: 30336 - Mabura 2 Cave, Munyati R (18.12S 29.37E): **NHMZ**: 33430 - Mazoe: **BMNH**: 1902.2.7.10 (Holotype *Rhinolophus simulator*) - Musemu Farm (17.75S 30.75E): **NHMZ**: 62072 - Mutanda (19.12S 32.12E): **NHMZ**: 30521 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **DNSM**: 14267, 4623, 4624; **NHMZ**: 62040; **ROM**: 64811 - Mutare Asbestos Mine (18 58 29 S 32 39 20 E): **NHMZ**: 33881 - Muzvezve NR (18.0S 29.25E): **NHMZ**: 3056B - near Lake Mcllwaine, Triumph mine: **ROM**: 64510, 64522 - Penhalonga (18.37S 32.62E): **NHMZ**: 62033 - Penhalonga (18.87S 32.62E): **NHMZ**: 62032, 62034 - Princess Farm (19.62S 29.92E): **NHMZ**: 31854 - Rifle Range (18.92S 29.8E): **NHMZ**: 60973 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 30807 - Shurugwi, 2 km E (19.62S 30.12E): **NHMZ**: 31810 - Triumph Mine (17.87S 30.87E): **NHMZ**: 62029 - Umtali mine adit (18 58 29 S 32 39 20 E, 1094 m): **DNSM**: 3686; **TM**: 34656, 34658, 34659, 34660, 34815, 34816, 34817, 34818 - Zvarayi Cave (17.16S 29.43E): **NHMZ**: 31137.

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

Botswana:

Francistown (21.15S 27.5E): **NHMZ**: 63466.

Malawi:

Unknown locality: **BMNH**: 1987.1071, 1987.1072, 1987.1073 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.12.17.4 - Fort Johnston [= Mangochi] (142800S 351600E, 469 m): **BMNH**: 1895.8.18.1 - Kasungu (130200S 332900E, 1342 m): **AMNH**: 161917 - Mughese Forest (0939S 3332E, 1625 m): **NHMZ**: 62132 - Mulanje-Chitakali (ca. 1602S 3530E): **NMP**: mw134 - Ncheu [=Ntcheu] (14 49 S 34 38 E, 1081 m): **TM**: 9165, 9166 - Ntchisi Forest guesthouse (13 23 S 34 00 E, 1500 m): **ZMA**: MAM.28335, MAM.28336 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420 m): **MVZ**: 220906 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1541 m): **FMNH**: 192087, 192088, 192089, 192090, 192091, 192092, 192093 - Tembuka (1428S 3516E): **MCZ**: 43764, 43765, 43766 - Wilindi Forest (09 42 S 33 29 E, 1900 m): **NMZL**: 3231.

Mozambique:

Unknown locality: **BMNH**: 1908.4.3.15 - Gurue, 2.9 km N, 8.9 km E (1525S 3704E, 984 m): **FMNH**: 177103, 177104, 177105, 177106, 177107 - Inhaminga (18 24 13 S 34 59 45 E, 309 m): **NHMZ**: 33577; **SMF**: 11639 - Mague [= Mphende] (15.82S 31.73E): **USNM**: 365226 - Massamba, 16 km E (16.13S 33.63E): **USNM**: 365208 - Muaredzi River, karst cave 2 (18 57 17 S 34 36 47 E): **FMNH**: 214706, 214707, 214708, 214709, 214710, 214711, 214712, 214713, 214714, 214715, 214716, 214717, 214718, 214719 - Muchena (15 40 56 S 33 48 20 E, 356 m): **USNM**: 365209, 365210, 365211, 365212 - Mungari, 5 km N (17 10 00 S 33 33 00 E, 500 m): **USNM**: 365227 - Nogochene caves (ca. 2141S 3452E): **AMNH**: 216206, 216207, 216208, 216209, 216210, 216211, 216212 - Nyaboa Caves (20.37S 33.62E): **NHMZ**: 63469 - Tete, 3 km E (16.27S 33.6E): **USNM**: 365207 - Vila Gamlto, 10 km N (14.08S 33.02E): **USNM**: 365213 - Vila Gamito, 10 km N (1404S 3259E): **USNM**: 365214, 365215, 365216, 365217, 365218, 365219, 365220, 365221, 365222, 365223, 365224, 365225 - Zinave (21 26 12 S 33 51 01 E): **AMNH**: 245156, 245157, 245158 - Zinave NP (21.37S 33.87E): **NHMZ**: 62123 - Zinave NP, 3 km SSW (21.39S 33.89E): **NHMZ**: 62124, 62125 - Zinave, 2 km S (2121S 3351E): **AMNH**: 245159.

South Africa:

Anthrax camp (22 25 30 S 31 12 30 E): **KNP**: 148; **TM**: 36636, 40829, 40830, 42006, 42007 - Bangu Poort, cave near (24 08 28 S 31 48 42 E): **KNP**: 84 - Baobab Hill, 200 m S (22 29 41 S 31 12 25 E): **KNP**: 136 - Black Eagle Lodge (23 00 39 S 29 45 49 E, 1350 m): **DNSM**: 13608 - Blouberg Private Nature Reserve] (23 02 S 29 07 E, 584 m): **DNSM**: 13637 - Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes] (2441S 3050E): **TM**: 39967 - Bobomeni research camp [=Bobomene] (22 25 18 S 31 12 49 E): **TM**: 40831, 40832, 40836, 41997 - Dongolakop (2214S 2941E): **TM**: 10016, 9983 - Farm Fairfield 306 (24 33 S 27 11 E): **TM**: 1748, 1749 - Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave (24 37 05 S 27 39 08 E): **TM**: 12617, 12618 - Farm Tygerkloof 354 (24 41 40 S 27 12 33 E): **TM**: 45223, 45224, 45225, 45228 - Farm Welgevonden 449 (23 32 S 28 26 E, 1277 m): **DNSM**: 13631 - Figtree camp (222550S 311150E): **TM**: 36612, 36720, 36788 - Gorge Restcamp (23 59 56 S 031 49 24 E): **KNP**: 62 - Greefswald [= Mapungubwe] (2212S 2922E): **TM**: 20339 - Hillside Farm (23 00 59 S 29 47 14 E, 1190 m): **DNSM**: 13534 - Levuvhu River (2225S 3111E): **TM**: 37490 - Machindzweni (22 21 24 S 31 11 28 E): **KNP**: 03 - Manxeba windmill (22 24 S 31 14 E): **TM**: 37939 - Mphahlele River (241900S 294500E): **TM**: 23950 - New Figtree Forest (22 25 S 31 18 E): **TM**: 37897 - Nwanedi (223836S 302351E): **TM**: 35447, 35448, 35449, 35450, 35451, 35452 - Nyala and Main Roads junction (2225S 3118E): **TM**: 36961 - Old Figtree forest (2225S 3111E): **TM**: 40826 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36475, 37073, 37084, 37410 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 46434, 46435, 46436, 46437 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 29835, 29848, 29858 - Pafuriv area (II) (22 27 S 31 18 E): **KNP**: 120 - Pietersburg, farm near (2354S 2927E): **ROM**: 77786 - Punda Maria (22 41 00 S 31 01 00 E): **KNP**: 21, 77 - Rooiberg, Tin mine (244610S 274355E): **TM**: 45092 - Rotterdam Farm (243317S 272020E): **MVZ**: 122932 - Shashi-Limpopo River confluence (2211S 2922E): **TM**: 45099, 45101 - Thabazimbi: **TM**: 468402 - Thabazimbi, 16 mi SE [=Waterval Farm] (243524S 273636E): **USNM**: 468403, 468404, 468405, 468406, 468407, 468408, 468409, 468410, 468411, 575195, 575196, 575197, 575200, 575202, 575203, 575208 - Thabazimbi, 20 km SE (24.67S 27.37E): **USNM**: 468402 - The Downs (2408S 3011E): **TM**: 20428, 27508 - Waterberg, Farm Klipfontein 54JS (2408S 2808E): **TM**: 31269, 31270, 31275, 31276, 40217 - Weinek Farm (244701S 274043E): **USNM**: 376754.

Zambia:

Bwana Mkubwa (13.03S 28.68E): **NHMZ**: 62148 - Chilanga (15 33 00 S 28 17 00 E, 1220 m): **BMNH**: 1975.2137 - Chingola (12.37S 27.62E): **NHMZ**: 10422 - Chipongwe Cave (15 41 00 S 28 14 00 E): **BMNH**: 1968.998 - Fort Jameson [= Chipata] (13.62S 32.65E): **KM**: 9629 - Kabompo Boma (133600S 241200E, 1027 m): **NHMZ**: 9040 - Kafue Gorge (15 52 S 28 30 00 E): **BMNH**: 1959.354 - Leopard's Hill Cave (153617S 284156E): **CAS**: 15104 - Luangwa Valley (13.37S 31.62E): **NHMZ**: 62149 - Luanshya (1304S 2824E, 1228 m): **USNM**: 294788 - Lundazi (12.3S 33.2E): **KM**: 9630 - Mkwisi (15.38S 28.35E): **KM**: 9628 - Mpika (11.85S 31.45E): **BMNH**: 1910.8.17.2 - Mporokoso (09.37S 30.12E): **KM**: 9631 - Mumbwa Caves (14.75S 27.0E): **NHMZ**: 6950 - Muzubuku: **TM**: 13534.

Zimbabwe:

Unknown locality: **BMNH**: 1902.2.7.3, 1902.2.7.4, 1904.12.1.2, 1910.6.20.7, 1910.8.17.1, 1939.274, 1951.630, 1951.631 - Alfafa Ranch Lonely Mine (19.37S 28.87E): **NHMZ**: 58177 - Atlantica Ecological Research Station (1753S 3047E): **ROM**: 64743 - Atlantica Research Station (17.75S 31.0E): **NHMZ**: 57603 - Barberton Ranch (21.33S 29.62E):

NHMZ: 33875 - Birchenough Bridge, 11.2 km W (1954S 3214E): **TM**: 8576, 8577 - Borrowdale (17.83S 31.07E): **NHMZ**: 58442 - Bulawayo Swamps (ca. 2005S 2830E): **USNM**: 154590 - Bulawayo, Industrial Site (20.13S 28.58E): **NHMZ**: 8994 - Bulldog Mine (18 45 S 32 30 E): **NHMZ**: 19886 - Bushtick Mine (20.22S 28.92E): **NHMZ**: 32263 - Busi R, Manjolo (18.12S 27.87E): **NHMZ**: 64787 - Chete, Chifumbi Spring (17.37S 27.62E): **NHMZ**: 57432 - Chete, Eastern Section (17.37S 27.62E): **NHMZ**: 51433 - Chilo Cave, Lone Star Ranch (21.12S 31.87E): **NHMZ**: 57550 - Chimanimani, Corner (19.5S 32.75E): **NHMZ**: 57523 - Chinanga Dam, Maramba (17.12S 32.87E): **NHMZ**: 32537 - Chinhoyi Caves (17 22 00 S 30 12 00 E, 1186 m): **NHMZ**: 58248 - Chipingayi Bridge, Save Valley (20.12S 32.37E): **NHMZ**: 57535 - Chiredzi (21 03 S 31 40 E, 437 m): **NHMZ**: 57560 - Chiredzi, Lone Star Ranch (21.12S 31.87E): **NHMZ**: 57518 - Chishakwe Camp, 2 km E (20.0S 32.0E): **NHMZ**: 33006 - Chivi (20.3S 30.52E): **NHMZ**: 30077 - Chori Dam, Tokwa Ngarwe (16.75S 32.5E): **NHMZ**: 84323 - Christon Bank (17.83S 31.07E): **NHMZ**: 57528 - Cleveden Farm, Mangwe (20.87S 28.12E): **NHMZ**: 57547 - Dahlia, 4 mi [=6.5 km] E (1838S 2713E): **FMNH**: 152579, 152580, 152581 - Dibutibu R, Batoka (17.94S 26.12E): **NHMZ**: 30556 - Eirene farm (18 23 S 31 37 E): **NHMZ**: 57521 - Esigodini (20.3S 28.93E): **NHMZ**: 80243 - Falcon College (20.22S 28.92E): **NHMZ**: 56336 - Forest Hill, Lupane (19.08S 27.83E): **NHMZ**: 68255 - Gorgman: **TM**: 43242 - Gowlay Block Lonely Mine (19.62S 28.62E): **NHMZ**: 2781 - GreatZimbabwe (20.28S 30.93E): **NHMZ**: 57531, 57562 - Happy Valley Farm (2019S 2843E): **ROM**: 64647, 64673, 64674 - Harare (17.83S 31.07E): **SAMC**: 3004 - Homestead Mine (20.3S 28.93E): **NHMZ**: 63163 - Hope Fountain Mission (20.62S 28.62E): **NHMZ**: 32314 - Hwange NP, Main Camp (18.73S 26.95E): **NHMZ**: 57559 - Hwange NP, Ngamo Pan (19.13S 27.47E): **NHMZ**: 57540, 57558 - Hwange NP, Shumba Pan (18.8S 26.33E): **NHMZ**: 57541 - Ingezi River (20.37S 29.87E): **NHMZ**: 57571 - Ingwe Mine (20.62S 29.37E): **NHMZ**: 12690 - Inyati Farm (17.0S 30.0E): **NHMZ**: 58247 - Karoi: **AMNH**: 213048, 213049 - Karoi (16.82S 29.68E): **NHMZ**: 57580 - Katombora Rapids (17.88S 25.33E): **NHMZ**: 60684 - Lake McIlwaine (17.9S 30.78E): **NHMZ**: 58076, 58282 - Lannerhurst Mine, West Nicolson (21.12S 29.37E): **NHMZ**: 57546 - Lanninghurst mine (2104S 2923E): **ROM**: 64517-b, 64718, 64719, 64720, 64721, 64722, 64723, 64724, 64725, 64727, 64734, 64747, 64748, 64749, 64750, 64751, 64752, 64753, 64754, 64755, 64756, 64757, 64762, 64763, 64764 - Leopard Rock Hotel (1908S 3247E): **USNM**: 425284 - Lutope Ngolangola Confluence (181648S 280448E, 1002m): **NHMZ**: 33647 (Holotype *Rhinolophus smithersi*), 33652 (Paratype *Rhinolophus smithersi*) - Mabura 1 Cave, Ngondoma R (18.37S 29.37E): **NHMZ**: 31715 - Mabura 2 Cave, Munyati R (18.12S 29.37E): **NHMZ**: 30280 - Majorca Ranch, Kwekwe (18.87S 29.62E): **NHMZ**: 29802 - Mana Pools NP, Nyamepi (15.8S 29.87E): **NHMZ**: 58258 - Mana Pools-NP, Mondo River, S boundary: **TM**: 45053, 45054 - Manyambara (17.0S 29.5E): **NHMZ**: 25834 - Marondera (18.12S 31.62E): **NHMZ**: 62147 - Matobo Hills (20.37S 28.37E): **NHMZ**: 62009 - Matobo Hills (20.62S 28.62E): **NHMZ**: 60449 - Matobo Hills, Lumane Valley (20.58S 28.83E): **NHMZ**: 31429 - Matobo Hills, Mtshavezi Valley (20.62S 28.87E): **NHMZ**: 30084 - Matobo Hills, Shambanyama R. (20.67S 28.37E): **NHMZ**: 30078 - Matobo NP, Lower Outspan (20.62S 28.62E): **NHMZ**: 59389 - Matobo NP, Whitewaters Dam (20.58S 28.47E): **NHMZ**: 57517 - Matobo Research Station (20.25S 28.75E): **NHMZ**: 81511 - Mazoe (17.38S 30.88E): **BMNH**: 1904.12.12 - Mbalabala (20.25S 29.0E): **NHMZ**: 32284, 80244 - Mushandike NP (20.13S 30.63E): **NHMZ**: 58276 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **NHMZ**: 57587 - Mutare Asbestos Mine (18 58 29 S 32 39 20 E): **NHMZ**: 54219 - Mutare,15 km W (18 55 47 S 32 32 38 E): **NHMZ**: 57520 - Netridge Farm (20.12S 30.62E): **NHMZ**: 57568, 58295; **ROM**: 70838, 70839, 70840, 70841, 70842, 70843, 70844, 70845, 70846, 70847 - Norah Valley Bromley (17.87S 31.37E): **NHMZ**: 57561 - Nyajena (21.12S 31.62E): **NHMZ**: 58246 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32538 - Odzi (18.95S 32.38E): **NHMZ**: 57585 - Penhalonga (18.87S 32.62E): **NHMZ**: 57584 - Penrose Farm, (17.12S 30.87E): **NHMZ**: 25840 - Penrose Farm, Mvurwi (1702S 3051E): **FMNH**: 95148, 95149; **USNM**: 368606 - Princess Farm, (19.62S 29.92E): **NHMZ**: 31843 - Quagga Mine (18.95S 32.38E): **NHMZ**: 30503 - Radio Mine (20.37S 28.87E): **NHMZ**: 32357 - Ramofu Cave (20.0S 30.0E): **NHMZ**: 57519 - Red Hill Mine (20.37S 28.87E): **NHMZ**: 32297 - Retreat Farm (2014S 3102E): **ROM**: 64974, 64979, 64980, 64985, 64986, 64989, 64990, 64991 - Rhodes Matopos -Nature Park [=Matobo National Park] (20 33 S 28 33 E): **TM**: 35008, 35023, 35024 - Rifle Range (18.92S 29.8E): **NHMZ**: 60774 - Rusper Farm (1750S 3047E): **ROM**: 64492, 64493, 64494 - Ruya R (16.5S 31.75E): **NHMZ**: 84344 - Samalema Gorge, Mwenezi R. (21.87S 31.37E): **NHMZ**: 58074 - Selukwe (19 40 00 S 30 00 00 E, 1501 m): **DNSM**: 18 - Sengereri Hills (17.62S 31.12E): **NHMZ**: 57588 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 30031 - Sengwa Wildlife Research Station (1810S 2813E): **TM**: 34846, 34847, 34848, 34849, 34850, 34851, 34852, 34853, 34854, 34855, 34856, 34857, 34858, 34859, 34860, 34861, 34965, 34966, 34967 - Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 88420 - Sentinal Ranch (2210S 2930E): **TM**: 41439 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 9908 - Sentinel Ranch, Limpopo River (22 15 S 31 20 E): **DNSM**: 62, 69 - Shurugwi, 2 km E (19.62S 30.12E): **NHMZ**: 31817 - Singereri Hills (1737S 3107E): **ROM**: 64435, 64436, 64437, 64438, 64439, 64444, 64445, 64448, 64449, 64450, 64451, 64452, 64466, 64467, 64475, 64481, 64482, 64488 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 57602 - Thompark (17.62S 31.12E): **NHMZ**: 57604 - Triumph Mine (17.87S 30.87E): **ROM**: 64511, 64513, 64514, 64516 - Umtali Old Mine (18 58 29 S 32 39 20 E, 1094 m): **USNM**: 382644 - Viro Hill, Kachuta Mhangura (16.37S 30.62E): **NHMZ**: 58242 - Wankie-NP (1845S 2658E, 914 m): **FMNH**: 152582 - West Nicholson, 5 km W (21.07S 29.37E): **NHMZ**: 57513, 57522 - Willow Park (20.28S 28.83E): **NHMZ**: 80150 - Zimbabwe mine: **DNSM**: 3933 - Zvarayi Cave (17.16S 29.43E): **NHMZ**: 31132.

Rhinolophus swinnyi Gough, 1908

South Africa:

Berlin: **TM**: 47159 - eGodeni (28 05 00 S 32 02 01 E): **DNSM**: 3275 - Entumeni Nature Reserve (28 53 03 S 31 22 15 E): **DNSM**: 14291, 14292 - Farm In-de-Diepte 164JT (254300S 300100E): **TM**: 47732 - Ferncliff Bat Cave (29 32 S 30 20 E, 1000 m): **DNSM**: 14035, 14036 - Hluhluwe Game Reserve, Research camp (28 04 S 32 02 E): **TM**: 44397 - Insizwe Mine (30 48 13 S 29 16 52 E, 1140 m): **DNSM**: 7084 - King Willlam's Town (32.37S 27.37E): **KM**: 1760 - King WIlllam's Town, 18 km NW (32.72S 27.28E): **USNM**: 344268 - Kokstad Mine (30 48 36 S 29 16 48 E): **DNSM**: 14440, 14441 - Mpumalanga province (245317S 304821E): **TM**: 47730 - Ngome Forest Reserve (27 52 00 S 31 24 45 E): **TM**: 39848 - Ngqeleni District (3040S 2902E): **TM**: 1021 (Holotype *Rhinolophus swinnyi*), 1022 (Paratype *Rhinolophus swinnyi*) - Ntsizwe mine (30 28 56 S 29 09 57 E, 1512 m): **DNSM**: 13250, 13251, 13252, 13253, 13254, 13255, 13256, 13257 - Pirie Forest (324300S 271700E, 2000 ft): **AMNH**: 115825, 115826, 115827, 115828, 115829 - Pirie Mission (32.82S 27.23E): **SAMC**: 12953a - Port St. Johns (3129DA): **NHMZ**: 60555 - Port St. Johns (3138S 2933E): **TM**: 1023, 1024, 1025, 1026, 1154, 7802, 7803 - Sandile's Cave (3237S 2717E): **TM**: 36580, 36581, 36582, 36583, 36584, 40503, 40504, 40505, 40506 - Sandile's Rest Trout and Forest Country Estate (32 39 40 S 27 17 53 E): **DNSM**: 15018 - Umtamvuna Gorge Nature Reserve (30 10 27 S 30 10 13 E, 119 m): **DNSM**: 5456 - Zweiltsha (32.72S 27.29E): **KM**: 24299.

Rhinolophus willardi Kerbis Peterhans and Fahr, 2013

Congo (Democratic Republic of the):
Kabobo Forest (04 59 29 S 29 04 49 E, 1950 m): **FMNH**: 195082, 195083 (Paratype *Rhinolophus willardi*), 195084 (Paratype *Rhinolophus willardi*) - Misotschi-Kabogo highlands (05 06 19 S 29 03 56 E, 1880 m): **FMNH**: 195182 (Holotype *Rhinolophus willardi*).

Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002

Guinea:
Guinée Forestière, border of "Réserve de la Biosphère du Massif du Ziama" (ca. 08 22 N 09 18 W): **ZFMK**: 1999.0934.
Liberia:
Ziggida, 7 mi [=11 km] N, 1 mi [= 1.6 km] E (ca. 08 02 12 N 09 29 23 W): **AMNH**: 265708 (Paratype *Rhinolophus ziama*).

Cloeotis percivali Thomas, 1901

Botswana:
Kanye (24 59 S 25 19 E, 1306 m): **BMNH**: 1956.550 - Molepolole (2424S 2531E, 1189 m): **AMNH**: 168159, 168160, 168161, 168162, 168163, 168164.
Congo (Democratic Republic of the):
Dethioux farm, cave I (11 06 00 S 26 29 00 E, 1334 m): **RMCA**: 27907, 27908 - Dethiox caves (10 50 00 S 26 39 00 E): **SMF**: 18920, 18921 - Elisabethville (11 40 S 27 26 E, 1209 m): **RBINS**: 17208 - Kaboyaboya cave (09 56 00 S 25 58 00 E): **MHNG**: 1046.098 - Kasoma cave (09 25 00 S 26 37 00 E): **SMF**: 21275 - Kiamokoto (0910S 2704E, 900 m): **RBINS**: 10792, 10793 - Lubudi (0957S 2558E, 1307 m): **SMF**: 21276, 21277 - Masombwe (09 05 00 S 27 12 00 E, 1163 m): **RBINS**: 10777, 10789, 10794, 10796, 10797, 10800, 10802, 10803.
Kenya:
Rabai (0356S 3934E, 700 ft): **BMNH**: 1901.5.1.11 (Holotype *Clœotis Percivali*) - Takaunga (034014S 395112E): **BMNH**: 1901.5.1.12 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 41778.
South Africa:
Unknown locality: **DNSM**: 4304; **TM**: 1616 - Farm Modderfontein, Howel Davies Caves (2420S 2911E): **TM**: 34575, 34576, 34577, 43253, 43254, 43255 - Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein] (2501S 2737E): **TM**: 1669 (Paratype *Clœotis percivali australis*), 1670 (Holotype *Clœotis percivali australis*), 1671 (Paratype *Clœotis percivali australis*), 1672 (Paratype *Clœotis percivali australis*), 1673 (Paratype *Clœotis percivali australis*), 1674 (Paratype *Clœotis percivali australis*), 1675 (Paratype *Clœotis percivali australis*), 1676 (Paratype *Clœotis percivali australis*) - Farm Waterval (255211S 301919E): **TM**: 47615 - Gatkop cave (24 37 05 S 27 39 08 E): **TM**: 48462 - Komatipoort, 3.2 km N (ca. 25 41 31 S 31 57 17 E): **TM**: 17503 - Kromdraai Gold Mine (26 00 21 S 27 46 06 E, 3305 m): **DNSM**: 14071 - Mantuma Camp (27 35 46 S 32 13 03 E, 103 m): **DNSM**: 1616, 4071 - Miggiesgat cave (25 22 S 30 42 E, 845 m): **TM**: 46644 - Pongolapoort Dam (27 25 08 S 32 04 16 E, 122 m): **DNSM**: 4570, 4571, 4594, 4595, 4596, 4598, 4599, 4600, 4702, 4703, 4805, 5100, 5101, 6196, 6197, 6198, 6199, 6200, 6201, 7115 - Thornhill Farm 171 JU, Figaro mine (2527S 3138E): **TM**: 39774 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 10769 - Waterberg, Rooiberg (2446S 2744E): **ROM**: 77892, 77893 - Witkhyk [=Uitkyk, Farm] (26 05 S 27 46 E): **BRTC**: 20887 - Wonderboom (2541S 2812E): **USNM**: 238100 - Wonderboom cave (2541S 2812E): **FMNH**: 62253; **LACM**: 15667, 15668; **TM**: 2101, 2102.
Swaziland:
Wyldesdale (2549S 3116E): **TM**: 1987, 1988, 1989 - Wylesdale Gold Mine (25 49 S 31 17 E, 542 m): **DNSM**: 8021, 8026, 8027.
Zambia:
Unknown locality: **BMNH**: 1959.259_1 - Kafue Gorge (15 52 S 28 30 00 E): **HZM**: 13.4765, 14.4766, 15.4767, 16.4768, 16.4769, 17.4770, 3.3168, 4.3175, 5.3176, 6.3214, 7.3251, 8.3253, DLH 10065, DLH 10067, DLH 10068, DLH 10069, DLH 10070, DLH 10072, DLH 10073, DLH 10074, DLH 10075, DLH 10076, DLH 10079; **NHMZ**: 10067, 10072, 10073, 10074, 10075; **RMCA**: 29243, 29244 - Kafue Gorge, near (1551S 2827E): **BMNH**: 1959.358, 1959.359 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33348, 33351, 33353, 33355, 33393, 33402, 33403, 33404, 33405, 33407, 33408, 33409, 33410, 33453, 33461, 33462, 33759, 33760, 33761, 33762, 33763, 33764, 33774, 33775, 33777, 33791, 33792, 33800, 33802, 33827, 33828, 33829, 33856, 33908, 33909, 33910, 33921, 33922, 33966, 33967, 33968, 33969, 33971, 33989, 33990, 33991, 33992, 33993, 33994, 34008, 34009, 34010, 34011, 34012, 34013, 34014, 34062, 34063, 34064, 34065, 34066, 34067, 34068, 34077, 34078, 34079, 34080, 34081, 34082 - Missale Old Mine (1405S 3259E): **BMNH**: 1966.5456, 1966.5456a, 1966.5456b, 1966.5457, 1966.5458; **NHMZ**: 20077, 20098, 20103, 20177, 20180, 20189 - Natural Resources Development College (1528Ad): **NMZL**: A.240 - Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33640 - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (ca. 15 19 S 28 19 E): **MSB**: 32653, 32654, 32655, 33473, 33474, 33491, 33496, 33497, 33498, 33499 - Ngwerere cave (15 19 S 28 19 E, 1280 m): **CAS**: 16171; **HZM**: 18.11413, 20.11415; **NMZL**: 3437, 3438, 3439; **ROM**: 73970; **SMF**: 47482, 47483; **TTU**: 18333 - Ngwerere Siding (15 19 S 28 19 E): **UZMZ**: 133, 134, 135, 136, 138, 145, 146, 247, 248, 249 - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33565, 33567, 33610, 33611, 33612, 33613, 33614, 33615, 33616, 33636, 33638, 33641, 33643, 33644, 33649, 33650, 33652, 33653, 33679, 33680, 33698, 33699, 33700, 33724, 33725, 33738, 33739.
Zimbabwe:
Unknown locality: **HZM**: -a - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **USNM**: 154589 - Falcon College (2013S 2855E): **NHMZ**: 56205, 56526 - Great Zimbabwe (2016S 3056E): **NHMZ**: 58497, 58498 - Kaukua Cave (1701.9S 3005.2E): **NHMZ**: 31143 - Lake Mcllwaine (17.9S 30.78E): **NHMZ**: 88474 - Mcllwaine, lake (1754S 3047E): **NHMZ**: 58474, 58475, 58492 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **KU**: 135018, 135019; **NHMZ**: 19885, 25859, 33408, 33409, 33410, 58137, 58173, 58174, 58175, 58477, 58478, 58479, 58480, 58481, 58482, 58483, 58484, 58485, 58486, 58487, 58488, 58489, 58490, 58491, 58493, 58494, 58495, 58496, 58499, 58500, 58501, 58502, 58503, 58504, 58505, 58506, 58509, 58510, 58511, 58512, 58513, 58514, 58515, 58516, 58517, 58736, 58737; **ROM**: 64787, 64788, 64789, 64790, 64791, 64792, 64793, 64794, 64795, 64796, 64797, 64798, 64799, 64800, 64801, 64802, 64803, 64808, 64809, 64810, 64821, 64822, 64825, 64826, 64827, 64828, 64836 - Peak Mine, Belingwe (20.47S 29.85E): **HZM**: 1.2601 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 64805, 64806, 64807, 64808; **ROM**: 83964, 87395, 88422 -

Triangle, MacDougall's Tunnel (2107S 3122E): **NHMZ**: 58507 - Umtali mine adit (18 58 29 S 32 39 20 E, 1094 m): **DNSM**: 3685, 5183; **TM**: 34662, 34663, 34664, 34665, 34666, 34667, 34668, 34669, 34670, 34671, 34672, 34673, 34674, 34675, 34800, 34801, 34809, 34810, 34811, 34812, 34813, 38265.

Paratriaenops auritus (G. Grandidier, 1912)

Madagascar:

Unknown locality: **UADBA**: 43768 - Diégo-Suarez, near (ca. 1216S 4917E): **MCZ**: 45080 (Holotype *Triænops aurita*).

Paratriaenops furculus (Trouessart, 1907)

Madagascar:

Unknown locality: **BMNH**: 1895.1.6.17, 1895.1.6.8, 1987.138, 1987.139; **SMF**: 89115; **UADBA**: 32380, 32382, 43215, 43552, 43558, 43560, 43911, 50213, 50214, 50576 - Anjohibe cave (15 32 33 S 46 53 10 E, 100 m): **FMNH**: 228844, 228848, 228851; **UADBA**: SMG-18886, SMG-18888, SMG-18890, SMG-18892, SMG-18894, SMG-18902 - Béroboka (19 59 S 44 36 E, 43 m): **MNHN**: ZM-MO-1985-405 - Grotte de Sarondrana [= Sarodrano] (23 30 37 S 43 44 07 E): **MNHN**: ZM-MO-1997-1859, ZM-MO-1997-1860, ZM-MO-1997-1861, ZM-MO-1997-1862, ZM-MO-1997-1863, ZM-MO-1997-1864, ZM-MO-1997-1865, ZM-MO-1997-1866, ZM-MO-1997-1867; **MSNG**: 44891a, 44891b - in a marine cave between Sarodrano and Saint-Augustin: **ROM**: 42561 - Mistinjo: **MNHN**: ZM-MO-1962-2658 - Namoroka (162400S 451700E): **FMNH**: 63751, 63752 - Namoroka (162400S 451700E, 80 m): **MNHN**: ZM-MO-1947-211 A, ZM-MO-1947-211 B, ZM-MO-1947-211 C - Nossibé (132000S 481500E): **MNHN**: ZM-MO-1997-2027, ZM-MO-1997-2028 - Pointe Sarodrano (1317S 4812E): **ROM**: 42710 - Saint Augustin (2333S 4346E, 125 m): **ROM**: 46910 - Sarodrano (23 30 37 S 43 44 07 E, 0 m): **ROM**: 42626, 42711, 42712 - Sarodrano caves (23 30 37 S 43 44 07 E): **MNHN**: ZM-MO-1912-40a (186) (Holotype *Triaenops furcula*), ZM-MO-1912-40b, ZM-MO-1912-40c.

Paratriaenops pauliani (Goodman and Ranivo, 2008)

Seychelles:

Aldabra Atoll (ca. 092404S 461221E): **BMNH**: 1913.2.18.1, 1913.2.18.2 (Paratype *Triaenops pauliani*); **CUMZ**: E5609.A (Paratype *Triaenops pauliani*), E5609.B (Paratype *Triaenops pauliani*) - Aldabra Research Station, near (092404.4S 461221.4E, 5m): **BMNH**: 1978.185 (Paratype *Triaenops pauliani*) - Aldabra Station (092404.4S 461221.4E): **FMNH**: 185795 (Paratype *Triaenops pauliani*).

Triaenops Dobson, 1871

Ethiopia:

Dire Dawa (0932N 4153E, 1250 m): **ZMB**: T09722.

Kenya:

Unknown locality: **RMNH**: MAM.27122, MAM.27123, MAM.32108, MAM.32109, MAM.32110, MAM.32111, MAM.32112, MAM.32113, MAM.32114, MAM.32115, MAM.32116, MAM.32117, MAM.32118, MAM.32119, MAM.32120, MAM.32121, MAM.32122, MAM.32123, MAM.32124, MAM.32125, MAM.32126.

Madagascar:

Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], NCC-1 deposit (1532.55S 4653.17E, 100m): **UA**: 9203, 9204 - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], OLD SE deposit (ca. 1532S 4653E): **UA**: 9200.

Somalia:

Unknown locality: **BMNH**: 1898.6.9.21.

Tanzania:

Mafia Island (07 51 14 S 39 46 49 E): **SMF**: 97666.

Triaenops goodmani Samonds, 2007

Madagascar:

Anjohibe cave: **UADBA**: 9010 - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], OLD SE deposit (ca. 1532S 4653E): **UA**: 9010, 9011, 9012.

Triaenops afer Peters, 1877

"Africa":

Unknown locality: **TM**: 14577, 14580, 14587, 14589, 14590, 14591, 14596, 14597, 14598, 14604, 14605, 14606, 14608, 14609, 14611.

Central African Republic:

La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1985-1198, ZM-MO-1985-1199, ZM-MO-1985-1366.

Congo:

Unknown locality: **MNHN**: ZM-2005-296 - Doumboula Cave [= Grotte de Doumboula] (04.42S 1300E): **MNHN**: ZM-MO-1968-412 (Holotype *Triaenops persicus majusculus*) - Grotte de Doumboula (04.42S 1300E): **MNHN**: ZM-MO-1985-1348a, ZM-MO-1985-1348b, ZM-MO-1985-1349, ZM-MO-1985-1497 - Lekoumou, airport road (02 45.724 S 13 34.953 E): **HZM**: 39.40178 - Lekoumou, Lebayi cave (02 42.045 S 13 35.968 E): **HZM**: 40.40179, 41.40180 - Meya-Nzouari,cave (03 53 16 S 14 31 19 E): **MNHN**: ZM-MO-1985-1350, ZM-MO-1985-1351; **ZMA**: MAM.19319.

Ethiopia:

Unknown locality: **BMNH**: 1970.476, 1972.235_1, 1972.235_2, 1972.235_3, 1972.235_4, 1972.235_5, 1972.240_1, 1972.240_2, 1972.240_3, 1972.240_4, 1972.240_5, 1972.240_6, 1972.4368_1, 1972.4368_2, 1972.4368_3, 1972.4371_1, 1972.4371_2, 1972.641; **SMF**: 47870 - Abiyacula (ca. 12 02 N 39 03 E): **EBD**: MAM 25812 - Afallo (0741N 3620E, 2100 m): **FMNH**: 105413, 105414 - Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189629, S-189630 - Bermil (12 23 N 35 44 E, 562 m): **ZMMU**: S-189631, S-189632, S-189633, S-189634 - Challa, mount (0523N 3634E, 2100 m): **FMNH**: 105415, 105416, 105417, 105418, 105419 - Gelego (12 14 N 35 53 E, 650 m): **ZMMU**: S-189612, S-189613, S-

189614, S-189615, S-189616, S-189617, S-189618, S-189619, S-189620, S-189621, S-189622, S-189623, S-189624, S-189625, S-189626, S-189627, S-189628 - Ginir, 30 mi [=48 km] N (0706N 4039E, 1951m): **ROM**: 71807, 71906 - Gorgorá, Lago di Tana: **MZUF**: 6031 - Kulfo river: **HZM**: 26.24688 - Megenagne (12 12 N 35 40 E, 564 m): **NMP**: 95925 - Migiurtinia, Oasi di Galgalo: **MZUF**: 7863 - Sof Omar cave (06 54 22 N 40 50 42 E, 1340 m): **NMP**: 92150, 92151, 92152, 92153, 92160, 92161, 92162, 92163, 92167, pb2497, pb2521.

Kenya:

Unknown locality: **BMNH**: 1911.12.10.1, 1975.2546, 1975.2547, 1975.2547_1, 1975.2547_2, 1975.2548, 1975.931, 1975.931_1, 1975.931_2, 1975.931_3; **QM**: JM6202, JM6204 - Baringo, lake (003400N 360100E): **ROM**: 36328, 36329, 36330, 36331 - Baringo, lake (003400N 360100E, 3000 ft): **ROM**: 48699 - Coast [former] province: **SMF**: 25797 - Eastern [former] province: **SMF**: 38418, 38419, 38420, 38421, 38422, 38426, 38427, 38428, 38429, 38430, 38432, 39426 - Ithundu cave (02 19 59 S 37 42 12 E, 920 m): **RMCA**: 38552, 38553 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **USNM**: 436693 - Kiboko station (02 11 00 S 37 43 00 E, 930 m): **USNM**: 436695 - Kibwezi (02 25 00 S 37 58 00 E, 3000 - 4000 ft): **USNM**: 436694 - Kichakasimba (04 20 57 S 39 21 33 E): **CUMV**: 14655 - Kilanguni Lodge (025400S 380400E, 914 m): **ROM**: 36334, 36335, 48501, 48502, 48503, 48504, 48505 - Kilifi: **MZUF**: 4361 - Kilifi, 2 mi N (ca. 033800S 395100E, 50 m): **WNMU**: 6181 - Kilifi, near (033800S 395100E): **FMNH**: 152685 - Lake Baringo, Escarpment (003800N 360500E): **ROM**: 36336 - Maji Moto, 3 mi W (ca. 001600N 360300E, 1067 m): **USNM**: 436696 - Marigat (002800N 355900E, 1062 m): **USNM**: 436697 - Mombas [=Mombassa] (0403S 3940E): **ZMB**: 5074 - Mombasa, 6.4 km S (0404S 3940E): **ROM**: 79659 - Mombasa, cave near (ca. 040300S 394000E): **USNM**: 347393, 347394, 347395, 347396, 347397, 347398 - Mtito Andei (0240S 3810E, 769 m): **ROM**: 48603 - Mukanda river (04 10 S 39 27 E, 152 m): **CUMV**: 13726 - Mukanda river, near bridge 2 (ca. 04 10 S 39 27 E): **ZMA**: MAM.21657 - Mukanda Stream (04 10 S 39 27 E, 152 m): **CUMV**: 13747, 14653, 14654; **ROM**: 76530, 76531, 76532, 76533, 76543, 76544, 76561 - Ngombeni [caves] (04 07 49 S 39 36 51 E, 31 m): **FMNH**: 86547, 86548, 86549, 86550, 86551, 86552, 86553, 86554, 86555, 86556, 86557, 86558, 86559, 86560, 86561, 86562, 86563, 86564, 86565, 86566; **MCZ**: 59765; **USNM**: 347416, 347417; **ZMA**: MAM.21038, MAM.21039, MAM.21040, MAM.21041, MAM.21042 - Nyangala hill (0337S 3844E): **ROM**: 71183 - Ramu (035515N 411309E, 366 m): **ROM**: 75617, 75618, 75620 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 71007 - Rumuruti, 45 km N (0016N 3632E): **ROM**: 77517 - Shimba Hills Nature Reserve (04 14 S 39 25 E): **MCZ**: 59879 - Shimilani (04 14 00 S 39 36 00 E): **RMCA**: 75.054-M-0002, 75.054-M-0003, 75.054-M-0004, 75.054-M-0005, 75.054-M-0006 - Shimoni (04 38 50 S 39 23 00 E, 0 m): **ROM**: 41832, 71042, 71043, 71044, 71045, 71046, 71047, 71048, 71050, 73157, 73158, 73159, 73160, 73161, 73162, 73163, 73164, 73165, 73166, 73167, 73168, 77908, 77909, 79658 - Shimoni cave (04 38 50 S 39 23 00 E, 0 m): **ROM**: 46945, 46946, 76578, 76580, 76581, 76588, 76589, 76598, 76599, 76605, 76607, 76634, 76639, 76641, 76645, 76684 - Similani cave (04 07 49 S 39 36 51 E, 31 m): **AMNH**: 237335, 237336, 237337, 237338, 237339, 237340; **ROM**: 77906, 77907, 81252, 81253, 81254, 81255, 81256, 81257, 83951; **ZMA**: MAM.20771, MAM.20772, MAM.20773, MAM.20774, MAM.20775 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **ZMA**: MAM.20770 - Takabba, 25 mi [= 40 km] WSW (0322N 3945E, 853 m): **ROM**: 68191 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 66862, 66863, 66864, 66865, 66866, 66867 - Waa (04 10 12 S 39 36 10 E): **ROM**: 73523, 73524, 73525.

Malawi:

Mulanje and Blantyre, road between (ca. 15 52 35 S 35 15 52 E): **DNSM**: 10831.

Mozambique:

Balama Coutada (13 24 58 S 38 02 15 E): **DNSM**: 8639 - Buzi River (19 55 40 S 33 49 42 E): **DNSM**: 8635 - Cheringoma Caves (18 33 53 S 034 52 19 E): **DNSM**: 8636 - Gerhard's Cave (21 40 12 S 34 51 36 E, 68 m): **DNSM**: 11274 - Gruta Magochene (2122S 3452E): **NHMZ**: 63523, 63524, 63525, 63526, 63527, 63528, 64323; **ROM**: 67542, 67543, 67544, 67545, 67546, 67547, 67548, 67549 - Massamba, 16 km E (16.13S 33.63E): **USNM**: 365301 - Muchena (15 40 56 S 33 48 20 E, 356 m): **TM**: 14572, 14573, 14574, 14575, 14576, 14578, 14579, 14581, 14582, 14583, 14584, 14585, 14586, 14588, 14593, 14594, 14595, 14599, 14600, 14602, 14603, 14610; **USNM**: 365188, 365284, 365285, 365286, 365287, 365288, 365289, 365290, 365291, 365292, 365293, 365294, 365295, 365296, 365297, 365298, 365299, 365300, 365302, 365303, 365304, 365305, 365306, 365307, 365308, 365309, 365310, 365311, 365312, 365313, 365314, 365315, 365316, 365317, 365318, 365319, 367536, 367537, 367538, 367539, 367540, 367541, 367542, 367543, 367544, 367545 - Namapa (13 29 42 S 39 47 03 E): **DNSM**: 8637, 8638 - Niassa Game Reserve (12 37 27 S 37 39 23 E): **DNSM**: 8634, 8640, 8642 - Nkuli Camp (12 10 09 S 038 14 34 E): **DNSM**: 8641 - Nogochene caves (ca. 2141S 3452E): **AMNH**: 216236, 245393, 245394, 245395, 245396, 245397, 245398, 245399, 245400, 245401, 245402, 245403 - Save River, 15 km from mouth (2057S 3505E): **TTU**: 8305 - Sofala province: **SMF**: 89145, 89146, 89147 - Tete, 2 mi E (ca. 1610S 3337E): **TM**: 14570 - Tete, 2 mi SE (1607S 3337E): **USNM**: 365276, 365277, 365279, 365280, 365281, 365282, 365283 - Tete, 3 km E (16.27S 33.6E): **USNM**: 365278 - Vila Gamito, 10 km N (1404S 3259E): **USNM**: 365320.

Somalia:

Unknown locality: **BMNH**: 1987.82 - El Amba cave (015412N 450457E): **TTU**: 36357 - El Amha Cave (01 54 12 N 45 04 57 E): **BRTC**: 41939 - Grotta di Showli Berdi: **MZUF**: 13074, 13086, 13088, 15719, 15721, 15725, 15726, 15727, 15729 - Pozzi di Mahas: **MZUF**: 2233 - Pozzi Meddo Erelle: **MSNG**: 44301.

Tanzania:

Unknown locality: **BMNH**: 1879.9.12.7, 1909.1.4.17, 1973.115; **SMF**: 81198, 81199 - Amboni Cave Forest (05 04 00 S 39 03 00 E, 36 m): **FMNH**: 197969, 197970, 197971, 197972, 197973, 197974, 197975, 197976, 197977, 197978, 197979, 197980, 197981, 197982, 197983, 197984, 197985, 197986, 198015, 198016, 198017, 198018, 198019 - Dar Es Salaam (06 48 00 S 39 17 00 E, 0 m): **WAM**: M27053, M27054 - Kisarawe, near (ca. 0653S 3903E): **USNM**: 536381, 536382, 536383, 536384, 536385, 536386, 536387, 536388, 536389, 536390, 536391, 536392, 536393, 536394, 536395, 536396, 536397, 536398, 536399, 536400, 536401, 536689, 536690, 536691, 536692, 536693, 536694, 536695, 536696, 536697, 536698, 536699, 536700, 536701, 536702, 536703, 536704, 536705, 536706, 536707, 536708 - Kulumusi caves (0504S 3906E): **FMNH**: 63753, 63754 - Kulumuzi caves (0504S 3906E): **MNHN**: ZM-MO-1911-730 A, ZM-MO-1911-730 B, ZM-MO-1911-730 C, ZM-MO-1911-730 D, ZM-MO-1911-730 E, ZM-MO-1911-730 F, ZM-MO-1911-730 G, ZM-MO-1911-730 H, ZM-MO-1911-730 I, ZM-MO-1911-730 J, ZM-MO-1911-730 K, ZM-MO-1911-730 L, ZM-MO-1911-730 M - Lindi region: **SMF**: 82531 - Mikindani (10 17 S 40 07 E, 17 m): **MCZ**: 38836 - Morogoro region: **SMF**: 79532, 86783 - Mtwara region: **SMF**: 26879, 26880, 26881 - Pashuni cave (0553S 3919E, 55 m): **FMNH**: 198145 - Pugu Hills (06 53 S 39 05 E, 152 m): **FMNH**: 154738, 154739, 154740, 154741, 154742, 154743, 154744, 154745, 154746, 154747, 154748, 154749, 154750, 154751, 154752, 154753, 154754, 154755, 154756, 154757, 154758, 154759, 154760, 154761, 154762, 154763, 154764, 154765, 154766, 154767, 154768, 154769, 154770, 154771, 154772, 154773, 154774, 154775, 154776, 154777, 154778, 154779, 154780, 154781, 154782, 154783, 154784, 154785, 154786, 154787, 154788, 154789, 154790, 154791, 154792, 154793, 154794, 154795, 154796,

154797, 154798, 154799, 154800, 154801, 154802, 154803, 154804, 154805, 154806, 154807, 154809, 158183, 158184, 158185, 158186, 158187, 158188, 158189, 158190, 158191, 158192, 158193, 158194, 158195, 158196, 158197, 158198, 158199, 158200, 158201, 158202, 158203, 158204, 158205, 158206, 158207, 158208, 158209, 158210, 158211, 158212, 158213, 158214, 158215, 158216, 158217, 158218, 158219, 158220, 158221, 158222, 158223, 158224, 158225, 158226, 158227, 158228, 158229, 158230, 158231, 158232, 158233, 158234, 158235, 158236, 158237, 158238, 158239, 158240, 158241, 158242, 158243, 158244, 158245, 158246, 158247, 158248, 158249, 158250, 158251, 158252, 158253, 158254, 158255, 158256, 158257, 158258, 158259, 158260, 158261, 158262, 158263, 158264, 158265, 158266, 158267, 158268 - Pwani region: **SMF**: 79533, 79534, 79535, 79538, 79541 - Siga caves (0504S 3903E): **MCZ**: 38941, 38942, 38986, 38987, 38988, 38989, 49748, 49749, 49750, 49751, 49752, 49753, 49754, 49755, 49756, 49757, 49758, 49759, 49760, 49761, 49762, 49763, 49764, 49765, 49766, 49767, 49768, 49769, 49770, 49771, 49772, 49773, 49774, 49775, 49776, 49777, 49778, 49779, 49780, 49781, 49782, 49783, 49784, 49785 - Sigi River (0503S 3904E): **FMNH**: 86010, 86011, 86567, 86568, 86569, 86570, 86571, 86572, 86573, 86574, 86575, 86576, 86577, 86578, 86579, 86580, 86581, 86582, 86583, 86584, 86585, 86586, 86587, 86588, 86589 - Tanga (05 04 00 S 39 06 00 E, 0 m): **AMNH**: 207083; **FMNH**: 152686; **ROM**: 36332, 36333, 77895, 77896, 77897, 77898, 77899, 77900, 77901, 77902, 77903, 77904, 77905; **USNM**: 351184, 351185, 351186, 351187, 351188, 351189, 351190, 351191, 351192, 351193 - Tanga region: **SMF**: 19413, 19414, 25781, 25782, 25783, 25784, 25785, 25786, 25788, 25789, 25790, 25791, 25792, 25793, 25794, 25795, 25796, 79536, 79537, 79539, 79540, 82499, 82511, 82512, 83511, 85536, 85537, 86379, 86380, 86381, 86686, 91231, 92507, 93023 - Tanga, Grotte de Kulumuzi (0504S 3906E): **MNHN**: ZM-MO-1911-710, ZM-MO-1911-733, ZM-MO-1911-734, ZM-MO-1911-735, ZM-MO-1911-738 - Tanga, near (ca. 050400S 390600E): **MCZ**: 38943, 38944, 38945, 38983, 38984, 38985 - Tanganyika: **MNHN**: ZM-MO-1981-1358, ZM-MO-1981-1359 - Tong'omba Forest Reserve (08 25 S 39 01 E): **FMNH**: 182573.

Uganda:

Unknown locality: **BMNH**: 1964.138, 1964.139, 1964.140, 1964.141, 1964.142, 1964.143, 1964.144, 1964.145, 1964.146, 1964.147, 1964.148, 1964.149, 1964.150, 1964.151 - Moyo, near (ca. 03 37 41 N 31 45 13 E): **ROM**: 68694, 68695, 68696, 68697, 68698, 68699, 68700, 68701, 68702, 68703, 68704.

Zambia:

Missale Old Mine (1405S 3259E): **NHMZ**: 20179.

Zimbabwe:

Marymount mission (1632Cb): **NHMZ**: 84335 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **KU**: 135017 - Old Mine Adit [=Umtali Old mine] (18 58 29 S 32 39 20 E, 1094 m): **TM**: 34814.

Triaenops menamena Goodman and Ranivo, 2009

Madagascar:

Unknown locality: **BMNH**: 1987.140, 1987.141, 1987.142, 1987.143, 1987.144, 1987.145; **FMNH**: 218054, 218055, 218057, 218067, 218068, 218070, 218072, 221309; **MNHN**: ZM-MO-1975-312; **SMF**: 78348, 78349; **UADBA**: 30624, 31720, 31723, 32383, 32425, 32922, 32985, 32986, 34426, 34427, 43286, 43481, 43485, 43486, 43491, 43493, 50144, 50147, 50330, 50331, 50333, 50335, 50336, 50399 - Ampidiranamhaja cave (16 25.957 S 45 17.180 E, 120 m): **FMNH**: 178563 (Holotype *Triaenops menamena*) - Anjohibe cave (15 32 33 S 46 53 10 E, 100 m): **FMNH**: 228860, 228863, 228864; **UADBA**: SMG-18883, SMG-18884, SMG-18885 - Anjoky cave: **MNHN**: ZM-MO-1985-480, ZM-MO-1985-481, ZM-MO-1985-483 - Ankavandra, N of (18 45 00 S 45 13 00 E): **MCZ**: 45441, 45442, 45443, 45444 - Antsiranana (121600S 491700E): **FMNH**: 63755 - Eastern Madagascar: **MNHN**: 184A [a] (Paratype *Triænops Humbloti*), 184A [b] (Paratype *Triænops Humbloti*), 184A [c] (Paratype *Triænops Humbloti*), ZM-MO-1985-836 (184) (Holotype *Triænops Humbloti*), ZM-MO-1985-838 (Paratype *Triænops Humbloti*), ZM-MO-1985-839 (Paratype *Triænops Humbloti*), ZM-MO-1997-1854 (185) (Holotype *Triænops rufus*), ZM-MO-1997-1855 (185A) (Paratype *Triænops rufus*), ZM-MO-1997-1856 (185A) (Paratype *Triænops rufus*), ZM-MO-1997-1857 (185A) (Paratype *Triænops rufus*) - Fort Dauphin (250200S 470000E): **MZUF**: 6185 - Fort Dauphin (250200S 470000E, 20 m): **MCZ**: 45449 - Grotte d'Andranoilovy (24 03 S 43 45 E): **FMNH**: 218056, 218058, 218540; **UADBA**: 50145, 50146, 50149 - Grotte de Vintane (24 42 08 S 43 57 49 E): **FMNH**: 218064, 218065, 218066; **UADBA**: 50337, 50338 - Grotte des chauves-souris (18 10 52 S 47 17 21 E, 1500 m): **FMNH**: SMG-18575 - Mistinjo: **MNHN**: ZM-MO-1947-312, ZM-MO-1985-482 - Montagne des Français (12 22 20 S 49 21 59 E): **MNHN**: ZM-MO-1985-487, ZM-MO-1985-488, ZM-MO-1985-489 - Morondava (201700S 441700E, 1 m): **MNHN**: ZM-MO-1891-703 - Ranopiso, 20 km WNW and Amboasary, 12 km ENE (250500S 462800E): **USNM**: 577064 - Toliary province: **FMNH**: 209258, 209259, 209260; **UADBA**: 43225, 43227 - Tsaratanana (1646S 4740E): **MNHN**: ZM-MO-1996-352, ZM-MO-1996-353 - Tsimanampetsotsa, lake (24 07 S 43 45 E): **MNHN**: ZM-MO-1947-861, ZM-MO-1947-862, ZM-MO-1985-835.

Rhinopoma E. Geoffroy St.-Hilaire, 1818

"Africa":

East Africa: **BMNH**: 1972.4159.

Rhinopoma cystops Thomas, 1903

"Africa":

Unknown locality: **MNHN**: ZM-MO-1962-2657, ZM-MO-1983-1628, ZM-MO-1983-1629.

Algeria:

Hoggar, Oued Igharghar: **ZMB**: 37762 - Tit (22 57 42 N 05 11 51 E, 1332 m): **SMF**: 51643; **ZFMK**: 1976.0318.

Burkina Faso:

Unknown locality: **SMF**: 60913, 60914, 60915 - Tambao (14 48 N 00 06 E): **SMF**: 60912, 60916, 60917, 60918.

Chad:

Tibesti (21 30 00 N 17 30 00 E): **RMCA**: 31165, 31166.

Djibouti:

Ali Sabiet and Dikkit (ca. 1109N 4232E): **USNM**: 297732, 297733 - Ali-Sabieh (1110N 4244E, 218 m): **FMNH**: 68194, 68197, 68198 - Ali-Sabieh (1110N 4244E, 715 m): **FMNH**: 68193, 68195, 68196.

Egypt:

Unknown locality: **BMNH**: 1892.9.9.40, 1892.9.9.41, 1892.9.9.42, 1892.9.9.45, 1908.11.5.6, 1909.3.3.1, 1909.3.3.2, 1909.3.3.3, 1909.3.3.4, 1909.3.3.5, 1909.3.3.6, 1923.6.4.1, 1923.6.4.2, 2.c, 2.d; **FMNH**: 85605, 85606, 85607, 85608, 85609, 85610, 85611, 85612, 85613, 85614, 85615, 85616, 85617, 85618, 85619, 85620, 85621, 85622, 85623, 85624, 85625, 85626, 85627, 85628, 85629, 85630, 85631, 85632, 85633, 85634, 85635, 96214; **MNHN**: A.121/T196, A.122/196A, A.123/196B, A.124/196C; **OMNH**: 11152, 11153, 11154, 11155; **RBINS**: 12468; **RMNH**: MAM.35887, MAM.35888, MAM.35889, MAM.35890, MAM.35891, MAM.J1887-288b; **SMF**: 11950, 12280, 12281, 64976, 64977, 64978, 64979; **SMNS**: 482.a, 482.b, 482-2a, 482-3b; **USNM**: 312190, 312191, 312192, 312193, 312194, 312195, 312196, 312197, 312198, 312199, 312200, 312201, 312202, 312203, 312204, 312205, 312206, 312207, 312208, 312209, 312210, 312211, 312212, 312213, 312214, 312215, 312216, 312217, 312218, 312219, 312220; **YPM**: MAM 005602, MAM 005620; **ZMB**: 15035, 15036, 289, 46210, 46211, 85635, A.2412a, A.2412b, A.2412c, A.2412d, A.26.1, A.26.10, A.26.11, A.26.12, A.26.2, A.26.3, A.26.4, A.26.5, A.26.6, A.26.7, A.26.8, A.26.9, T09868, T09869; **ZMH**: 15035 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **BMNH**: 1909.7.1.11; **CM**: 62316; **FMNH**: 79701, 79702, 79703, 79704, 79705, 79706, 79707, 79708, 79709, 79710, 79711, 79712, 79713, 79714, 79715, 79716, 79717, 80776, 80777, 80778; **USNM**: 312187, 312188, 312189 - Abu Simbel (22 22 N 31 38 E, 193 m): **ZFMK**: 191 - Abu Sir (2953N 3113E, 73 m): **FMNH**: 79690, 79691, 79692, 79693, 79694, 79695, 79696, 79697, 79698, 79699, 79700, 80478, 80479, 80480, 80501; **USNM**: 312159, 312160, 312161, 312162, 312163, 312164, 312165, 312166, 312167, 312168, 312169, 312170, 312171, 312172, 312173, 312174, 312175, 312176, 312177, 312178, 312179, 312180, 312181, 312182, 312183, 312184, 312185, 312186 - Al Jiza governorate: **FLMNH**: 5526 - Aswan (2405N 3253E): **BMNH**: 1892.9.9.38; **CM**: 62309; **FMNH**: 123183, 123184, 123185, 123186, 123187, 123188, 123189, 123190, 123191, 123192, 123193, 123194 - Cairo (30 03 00 N 31 15 00 E, 22 m): **SMF**: 25799, 25802; **ZMB**: 2506.b, 2506.c - Cairo, 20 km S (ca. 30 03 N 31 15 E): **SMF**: 25801, 25803, 33496, 33497, 33498, 33499, 33500, 33501, 33502, 33503, 33504, 33505, 33506, 33507, 33508, 33509, 33510, 33511, 33512, 33513, 33514, 33515, 33516, 33517, 33518, 33519, 33520, 33521, 33522, 33523, 33524, 33525; **ZMH**: T648 - Dahshur (2945N 3114E, 21 m): **FMNH**: 123195, 123196, 123197, 123198, 123199, 123200, 123201, 123202, 123203, 123204, 123205, 123206, 123207, 123208, 123209, 123210, 123211, 123212, 123213, 123214 - Denderah [=Dandarah] (26 10 09 N 32 39 19 E, 67 m): **CM**: 78812, 78814, 78819, 78820, 78821; **SMNS**: 17476, 17477, 17478 - Denderah Temple (26 10 09 N 32 39 19 E, 67 m): **AMNH**: 244133, 244134; **FMNH**: 123215, 123216, 123217 - Durunka (270819N 311031E, 64 m): **FMNH**: 87771, 87772, 87773 - Edfu (24 58 00 N 32 52 00 E, 86 m): **CM**: 62305, 62306, 62307, 62308, 62310, 62311, 62312, 62313, 62314, 62315, 62317; **SMF**: 22671, 22672, 22673, 22674, 22675, 22676, 22677, 22678, 22679, 22680 - Gebel Adda (22 16 N 31 36 E): **YPM**: MAM 005509, MAM 005510, MAM 005512 - Gebel el Ahmar (30 03 N 31 18 E): **FMNH**: 98926 - Giza pyramid, 2 km from (2958N 3107E): **FMNH**: 67614, 67615, 67616, 67617, 67618, 67619 - Giza Pyramids (29 58 N 31 07 E): **FMNH**: 67603, 78586, 78587, 78588, 78589, 80496, 80497, 80498, 80499, 80500; **OMNH**: 11156, 11157, 11158, 11159, 11160, 11161, 11162, 11163, 11164, 11165, 11166, 11167, 11168, 11169, 11170, 11171, 613; **USNM**: 18539, 282388, 282389, 282390, 282391, 282392, 282393, 282394, 282395, 282396, 282397, 282398, 282399, 282400, 282401, 282402, 282403, 282404, 282405, 282459, 282460, 282461, 283289, 312142, 312143, 312144 - Giza pyramids area (2959N 3108E): **FMNH**: 79068, 79181, 79182, 79183, 79184, 79185, 79186, 79187, 79188, 79189, 79190, 79191, 79192; **MVZ**: 173817, 173818, 173819, 173820, 173821, 173822, 173823, 173824, 173825, 173826, 173827, 173828, 173829, 173830, 173831, 173832, 173833, 173834, 173835, 173836, 173837, 173838, 173839, 173840, 173841, 173842, 173843, 173844 - Gizeh (30 00 29 N 31 12 39 E, 22 m): **AMNH**: 54405; **BMNH**: 1894.7.22.1, 1908.11.5.5, 1908.11.5.7, 1908.11.5.8, 1908.11.5.9; **FMNH**: 34160; **HZM**: 8.3193; **MCZ**: 14618, 14620, 14622, 14624 - Hierakopolis (29 05 21 N 30 56 28 E, 37 m): **RMCA**: a2.005-M-0002, a2.005-M-0003 - Isna (251736N 323314E): **FMNH**: 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492 - Jebel Drunka (2707N 3110E): **FMNH**: 87774 - Kom O Shim (2934N 3055E): **FMNH**: 79193; **USNM**: 312157 - Luxor (25 41 N 32 39 E, 76 m): **BMNH**: 1902.1.17.1 (Paratype *Rhinopoma cystops*), 1902.1.17.2 (Holotype *Rhinopoma cystops*); **FMNH**: 47782, 47783, 47784, 47785 - Luxor, near: **FMNH**: 49019, 49020, 49021, 49022, 49023, 49024, 49025, 49026, 49027, 49028, 49029, 49030, 49031, 49032 - no specific locality: **ZMB**: 12092 - Saqqara (29 51 N 31 13 E, 19 m): **CM**: 62318, 62319, 62320, 62321, 62322, 62323, 62324, 62325, 62326, 62327, 78809; **FMNH**: 67584, 67585, 67586, 67587, 67588, 67589, 67590, 67591, 67592, 67593, 67594, 67595, 67596, 67597, 67598, 67599, 67600, 67601, 67602, 77200, 78590, 79166, 79167, 79168, 79169, 79170, 79171, 79172, 79173, 79174, 79175, 79176, 79177, 79689; **MVZ**: 107715; **SMF**: 40647, 40648; **TTU**: 34780; **USNM**: 312141, 312145, 312146, 312147, 312148, 312149, 312150, 312151, 312152, 312153, 312154, 312155, 312156, 312158; **ZFMK**: 192, 193; **ZMB**: 385, 564.b (Holotype *Vespertilio ferox*), 564.c (Holotype *Vespertilio brevicauda*) - Wadi Digla (29 58 N 31 18 E): **FMNH**: 79194, 79195 - Wadi el Natroun (3024N 3018E): **FMNH**: 143933, 67604, 67605, 67606, 67607, 67608, 67609, 67610, 67611, 67612, 67613.

Ethiopia:

Unknown locality: **BMNH**: 1970.407 - Awash National Park (08 52 N 40 01 E): **BMNH**: 1970.403, 1970.406, 1970.409, 1970.410, 1970.411, 1970.412, 1970.413 - Awash-NP (0852N 4001E): **HNHM**: 88.9.1 - Lava-Dom (13 18 00 N 40 58 48 E, 812 m): **SMF**: 45000, 45001, 45002 - Metahara, 1 km W (08 54 N 39 55 E, 1006 m): **SMF**: 49147, 49148, 49149, 49150, 49151, 49152, 49153, 49154, 49155, 49156, 49157, 49158, 49159, 49160, 49161, 49162, 49163, 49164, 49165.

Israel:

West Bank: **TTU**: 40639.

Kenya:

Baringo (00 38 00 N 36 16 00 E, 1303 m): **WAM**: M16536 - Baringo, lake (003400N 360100E, 3000 ft): **ROM**: 91155 - Baringo, lake (0038N 3616E): **BMNH**: 1975.2762_1, 1975.2762_2, 1975.2762_3, 1975.2762_4, 1975.2762_5, 1975.2762_6 - Bat island (0327N 3604E): **WNMU**: 563 - Lesukut Island (00 35 30 N 36 04 53 E, 975 m): **WAM**: M21207, M21220 - Muumandu (01 35 S 37 21 E): **RMCA**: 35268a - Turkana, lake (0330N 3602E): **BMNH**: 1975.2760_1, 1975.2760_2.

Libya:

Unknown locality: **NMP**: 49864, 49866.

Mali:

Mopti (14 30 00 N 04 12 00 W, 275 m): **RMCA**: 35735, 35736.

Mauritania:

Akjoujt (19 45 N 14 23 W, 141 m): **USNM**: 478566, 478567, 478568, 478569, 478570, 478571, 478572 - Guelb Moghrein (ca. 19 49 N 14 25 W): **MNHN**: ZM-MO-1995-1825 - Magrein Copper Mine (19 45 N 14 23 W, 141 m): **USNM**: 384843, 384847, 384849, 384853, 384855, 384856, 384860, 384869, 384870, 384871, 384872, 384873, 384874, 384875, 384877, 384879, 384880, 384881, 400464, 400465, 400466, 400469, 400470, 400471, 400472, 400473, 400474.

Morocco:

Mapti Endé: **MNHN**: ZM-2004-945, ZM-2004-946, ZM-2004-947, ZM-2004-948, ZM-2004-949 - Ouarzazate, 19 km E (3057N 0643W): **USNM**: 467150, 476147, 476148, 476149, 476150, 476151, 476152, 476153, 476154, 476155, 476156, 476157, 476158, 476159, 476160, 476161, 476162, 476163, 476164, 476165, 476166, 476167, 476168, 476169, 476170, 476171, 476172, 476173, 476174, 476175, 476176, 476177, 476178, 476179, 476180, 476181, 476182, 476183, 476184, 476185, 476186, 476187, 476188, 476189, 476190, 476191, 476192, 478303, 478304, 478305, 478306, 478307, 478308, 478309, 478310, 478311, 478312, 478313 - Souq l'Arba N. Ayt Ahmad (ca. 29 59 44 N 09 39 44 W): **EBD**: MAM 26017 - Tanger (354705N 054846W, 79 m): **MNHN**: ZM-MO-1987-114 - Tata, 8 km N (ca. 2944N 0756W): **USNM**: 470592, 470593, 470594, 470595, 470596, 470597, 470598, 470599, 470600, 470601, 470602, 476876, 476877 - Tata, near (ca. 29 45 N 07 59 W): **MNHN**: ZM-MO-1954-360A, ZM-MO-1954-360B, ZM-MO-1954-360C, ZM-MO-1954-360D, ZM-MO-1954-360E, ZM-MO-1954-360F, ZM-MO-1954-360G, ZM-MO-1954-360H.

Niger:

Unknown locality: **MNHN**: ZM-MO-1983-2018 - I-N-Gall (16 47 10 N 06 56 10 E, 456 m): **RMCA**: 73.041-M-0050, 73.041-M-0051, 73.041-M-0052, 73.041-M-0053, 73.041-M-0054, 73.041-M-0055, 73.041-M-0056, 73.041-M-0057, 73.041-M-0058, 73.041-M-0059, 73.041-M-0060, 73.041-M-0061, 73.041-M-0115, 73.041-M-0116, 73.041-M-0117, 73.041-M-0118, 73.041-M-0119, 73.041-M-0120, 73.041-M-0121, 73.041-M-0122, 73.041-M-0123, 73.041-M-0124, 73.041-M-0125, 73.041-M-0126, 73.041-M-0128 - Tebeig Asben (1640N 0830E): **BMNH**: 1925.5.12.3 - Zinder (13 48 N 08 59 00E, 479 m): **FMNH**: 44714, 44715, 44716.

Senegal:

Unknown locality: **MNHN**: ZM-MO-1985-318, ZM-MO-1985-319, ZM-MO-1985-320, ZM-MO-1985-321, ZM-MO-1985-322, ZM-MO-1985-323.

Somalia:

Taleh cave (0912N 4825E): **MZUF**: 9920, 9922, 9923, 9924, 9925, 9926, 9927, 9928, 9929, 9930.

South Sudan:

Lokomorinyang (0502N 3535E): **HZM**: 3.1826.

Sudan:

Unknown locality: **BMNH**: 1903.7.2.42, 1903.7.2.43, 1903.7.2.44, 1903.7.2.45, 1903.7.2.46, 1937.1.14.14, 1937.1.14.15, 1937.1.14.16, 1976.1899, 1976.426; **ZMB**: 15034, A.3245 - Dilling (12 02 N 29 40 E): **ROM**: 77168, 77169, 77172, 77173, 77175, 77177, 77178, 77179, 77181, 77183, 77186, 77187, 77191 - Dongola (1910N 3027E): **ZMB**: 4100 - Jebel Aulia (15 14 28 N 32 29 59 E, 384 m): **BMNH**: 1903.2.7.10 - Jebel El Airag (1537N 3229E): **ROM**: 78112 - Jebel el Azraq (15 47 29 N 32 27 35 E): **FMNH**: 81580, 81581, 81582, 81583, 81584, 81585; **HZM**: 13.3506, 25.5252, 26.5253, 27.5254, 28.5255, 29.5256, 9.3383 - Jebel Toro (10 42 N 30 01 E): **SMF**: 33192, 33193, 33194 - Kadugli (11 00 N 29 43 E): **SMF**: 33196, 33197, 33201, 33202, 33203, 33204, 33205, 33206, 33207, 33208, 33209, 33210 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **SMF**: 21121, 21122, 21123, 21124, 21125, 21126, 21127, 21128, 21129, 21131, 21132, 21133, 21134, 21135, 21136, 21137, 21138, 21139 - Merowe (1830N 3149E): **BMNH**: 1904.11.3.10, 1904.11.3.11 - Omdurman (15 38 10 N 32 16 14 E, 390 m): **ROM**: 85330, 85331, 85332, 85333, 85334, 85335, 85336, 85337, 85338, 85339, 85340, 85341, 85342, 85343, 85344, 85345, 85346, 85347, 85348 - Rheika (10 41 N 30 00 E): **SMF**: 33211, 33212, 33213 - Shendy (16 41 29 N 33 26 03 E, 376 m): **USNM**: 123415 - Tadoro (10 41 26 N 30 01 13E, 650 m): **SMF**: 33195.

Tunisia:

Dgomous Reserve (3403N 0829E): **TTU**: 70907, 70908 - Gafsa governorate: **SMF**: 92516 - Metlaoui and Redeyef, between (3420N 0824E): **MNHN**: ZM-MO-1983-1644 - Redeyef (3423N 0809E): **MNHN**: ZM-MO-1983-1645.

Rhinopoma macinnesi Hayman, 1937

Eritrea:

Assab (1301N 4243E): **HNHM**: 2728.1, 2728.2, 2728.3, 2872/5-1 - Gibdo (1257N 4242E): **HNHM**: 2728.12.

Kenya:

Unknown locality: **BMNH**: 1975.2846_01, 1975.2846_02, 1975.2846_03, 1975.2846_04, 1975.2846_05, 1975.2846_06, 1975.2846_08, 1975.2846_09, 1975.2846_10 - Baringo, lake (003400N 360100E, 975 m): **FMNH**: 152416, 152417, 152418, 152419, 152420, 152421 - Baringo, lake (0038N 3616E): **BMNH**: 1975.2762, 1975.2763, 1975.2764, 1975.2765, 1975.2766, 1975.2767; **ROM**: 48710, 48711, 48712, 65900, 65901, 65902, 65903, 65904 - Bat island (0327N 3604E): **BMNH**: 1936.11.4.45 (Holotype *R[hinopoma] cystops macinnesi*), 1936.11.4.46; **ROM**: 40161, 78111 - Bat island (0327N 3604E, 381 m): **FMNH**: 152414, 152415 - Central island (03 30 N 36 02 E, 381 m): **FMNH**: 152411, 152412, 152413; **ROM**: 36700, 36701, 36702, 36711, 36712, 36713, 36714, 36715, 36716, 36717, 36718, 36719, 36720, 36721, 36722, 36723, 36724, 36725, 36726, 36727, 36728, 36729, 78110, 85727, 85728, 85729, 85730, 85731, 85732, 85733, 85734, 85735, 85760 - Gibraltar island (0036N 3604E): **ROM**: 36242, 36243, 36244, 36246, 36247, 40184, 40185, 40187 - Gibraltar island (0036N 3604E, 3000 ft): **AMNH**: 219718, 219719, 219720, 219721, 219722; **ROM**: 36245, 36248, 40186, 85761 - Kampi ya Samaki (0038N 3617E): **ROM**: 68580, 68581 - Lesukut island (00 35 30 N 36 04 53 E, 975 m): **HZM**: 22.4347, 23.4354; **SMF**: 46554, 46555 - Maragat, 15 mi [= 24 km] N (0037N 3602E): **USNM**: 436497 - Maragat, 15 mi [= 24 km] N (0037N 3602E, 1006 m): **USNM**: 436493, 436494, 436495, 436496, 436498 - Turkana, lake (0330N 3602E): **BMNH**: 1975.2760, 1975.2761.

Somalia:

Galgalo Oase (1100N 4902E): **MZUF**: 7872, 7873, 7874, 7875, 7876, 7883, 7884, 7885, 7886, 7887, 7888, 7889, 7890, 7891, 7892.

Rhinopoma microphyllum (Brünnich, 1782)

"Africa":

Unknown locality: **BMNH**: 1907.1.1.579; **ZMUC**: 2845, 2847, L57.3113 - "Senegal or Mauritania": **MNHN**: ZM-MO-1984-305A, ZM-MO-1984-305B, ZM-MO-1984-305C, ZM-MO-1984-305D, ZM-MO-1984-305E, ZM-MO-1984-305F, ZM-MO-1984-305G, ZM-MO-1984-305H, ZM-MO-1984-305I, ZM-MO-1984-305J, ZM-MO-1984-305K, ZM-MO-1984-305L, ZM-MO-1984-305M, ZM-MO-1984-305N, ZM-MO-1984-305O.

Algeria:

Algerian Sahara: **ZMB**: 37763.

Burkina Faso:

Tambao (14 48 N 00 06 E): **SMF**: 60919.

Cameroon:

Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.016-M-0171, 73.016-M-0172, 73.017-M-0134.

Egypt:

Unknown locality: **BMNH**: 1892.9.9.39, 1976.423_1, 1976.423_2, 1976.423_3, 1993.162, 1993.163, 1993.164, 1993.165, 1993.166, 1993.167, 1993.168, 1993.169, 1993.170, 1993.171, 1993.172, 1993.173, 1993.174, 1993.175, 1993.176, 1993.177, 1993.178, 1993.179, 1993.180, 1993.181, 1993.182, 1993.183, 2.b; **MNHN**: 120, A.125/196D, ZM-AC-A6988, ZM-MO-1998-1923; **RBINS**: 12417; **RMNH**: MAM.35882, MAM.35886, MAM.J1887-288a, MAM.J1887-288c, MAM.J1888-199b; **SMF**: 11946, 11947, 11948, 11949, 1316, 1325, 6378(898); **SMNS**: 482.c; **YPM**: MAM 005508, MAM 005603, MAM 005604, MAM 014582, MAM 014583, MAM 014584; **ZMB**: 54843, 74755, T09849, T09850 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 79687, 79688, 80774, 80775; **USNM**: 312224, 312225 - Abu Sir (2953N 3113E, 73 m): **FMNH**: 79686, 80481, 82019; **USNM**: 312229 - Al Jiza governorate: **OMNH**: 11172, 11173, 11174, 11175, 11176, 11177, 11178, 11179, 11180, 11181, 11182, 11183, 11184 - Beltim: **BMNH**: 1903.12.8.26 - Cairo (30 03 00 N 31 15 00 E, 22 m): **ZMB**: 2506.a - Cairo, 20 km S (ca. 30 03 N 31 15 E): **SMF**: 25800; **ZMB**: 46209 - Dahshur (2945N 3114E, 21 m): **FMNH**: 123218 - Gebel Adda (22 16 N 31 36 E): **YPM**: MAM 005511, MAM 005513, MAM 005515, MAM 005522, MAM 005590, MAM 005750 - Gebel el Ahmar (30 03 N 31 18 E): **FMNH**: 74493 - Giza (30 00 29 N 031 12 39 E, 22 m): **MCZ**: 14474, 14475, 14477, 14619, 14621, 14623, 14625; **ZMUC**: |TS101| (Holotype *Vespertilio Microphyllus*) - Giza Pyramids (29 58 N 31 07 E): **FMNH**: 75081, 75082, 79178, 79179, 80502, 80503; **USNM**: 312221, 312222, 312227, 312228 - Giza pyramids area (2959N 3108E): **FMNH**: 79180; **USNM**: 312223 - Gizeh (30 00 29 N 31 12 39 E, 22 m): **BMNH**: 1894.7.22.2, 1894.7.22.3, 1909.7.1.10 - Jebel Ahmar (30 03 N 31 18 E): **USNM**: 312226 - Saqqara (29 51 N 31 13 E, 19 m): **FMNH**: 79683, 79684, 79685, 79758; **OMNH**: 11185, 11186, 11187, 11188, 11189, 11190, 11191, 11192; **TTU**: 34779; **USNM**: 18538, 282458, 283282, 283283, 283284, 283285, 283286, 283287, 283288, 283290, 283291, 283292, 283302, 294119, 294120, 294121, 294122, 294123; **ZMB**: 564.a - Saqqara pyramids (29 51 00 N 31 13 00 E, 19 m): **MVZ**: 107714 - Thebe (2541N 3239E): **MHNG**: 683.031 - Thebes (25 41 59 N 32 34 55 E): **SAMA**: M4473.

Ghana:

Accra (05 33 N 00 13 W, 98 m): **ZMB**: 5223.

Mauritania:

Akjoujt (19 45 N 14 23 W, 141 m): **USNM**: 478573, 478574, 478575, 478576, 478577, 478578, 478579, 478580, 478581, 478582, 478583, 478584, 478585 - Bat cave (ca. 19 49 N 14 25 W): **MNHN**: ZM-MO-1995-1824 - Magrein Copper Mine (19 45 N 14 23 W, 141 m): **USNM**: 384835, 384836, 384837, 384838, 384839, 384840, 384841, 384842, 384844, 384845, 384846, 384848, 384850, 384851, 384852, 384854, 384857, 384858, 384859, 384861, 384862, 384863, 384864, 384865, 384866, 384867, 384868, 384876, 384878, 384946, 400467, 400468, 400475 - Moudjéria fortress (17 52 25 N 12 19 54 W, 151 m): **MNHN**: ZM-MO-1995-3142.

Morocco:

Kef Azigza cave (32 02 N 03 47 W, 1060 m): **EBD**: MAM 25849 - Mapti Endé: **MNHN**: ZM-MO-2001-944 - Ouarzazate, 19 km E (3057N 0643W): **USNM**: 476193, 476194, 476195, 476196.

Niger:

Saba (14 26 26 N 001 06 23 E): **SMF**: 60920.

Nigeria:

Wase Rock (0904N 0954E): **BMNH**: 1963.1815.

Senegal:

Dakar Pasteur institute (144015N 172617W, 37 m): **MNHN**: ZM-MO-1995-1823.

Sudan:

Unknown locality: **BMNH**: 1901.5.5.80, 1901.5.5.81, 1903.2.7.42, 1903.2.7.43 - Dilling (12 02 N 29 40 E): **ROM**: 77167, 77170, 77171, 77174, 77176, 77180, 77182, 77184, 77185, 77188, 77189, 77190 - Jebel Aulia (15 14 28 N 32 29 59 E, 384 m): **BMNH**: 1903.2.7.11, 1903.2.7.12 - Jebel el Azraq (15 47 29 N 32 27 35 E): **HZM**: 2.3381, 7.5250 - Jebel Talao (11 02 N 29 44 E, 550 m): **SMF**: 33198 (Paratype *Rhinopoma microphyllum tropicalis*), 33199 (Paratype *Rhinopoma microphyllum tropicalis*), 33200 (Paratype *Rhinopoma microphyllum tropicalis*), 33214 (Paratype *Rhinopoma microphyllum tropicalis*), 33215 (Paratype *Rhinopoma microphyllum tropicalis*), 33265 (Holotype *Rhinopoma microphyllum tropicalis*) - Khartoum (15 35 17 N 32 32 03 E, 377 m): **ZMB**: 2578 (Lectotype *Rhinopoma Lepsianum*), A.3243 (Paralectotype *Rhinopoma Lepsianum*) - Nuba mountains (1200N 3045E): **ROM**: 62614, 62615, 62617, 62618, 62620, 62622, 62623, 62624, 62626, 62627, 62628, 62629, 62630, 62631, 62632 - Omdurman (15 38 10 N 32 16 14 E, 390 m): **ROM**: 85309, 85310, 85311, 85312, 85313, 85314, 85315, 85316, 85317, 85318, 85319, 85320, 85321, 85322, 85323, 85324, 85325, 85326, 85327, 85328, 85329 - South Kordofan state: **SMF**: 33216.

Myzopoda aurita Milne-Edwards and A. Grandidier, 1878

Madagascar:

Unknown locality: **BMNH**: 1849.11.3.5; **MNHN**: ZM-MO-1997-770 (Holotype *Myzopoda aurita*); **SMF**: 82220; **UADBA**: 43237, 43239, 43252, 50417, 50418, 50420 - Ambodi Mangy (1534S 4936E): **MNHN**: ZM-MO-1985-434 - Andrambovato, 2 km NE (2130S 4727E, 550 m): **USNM**: 449282 - Bemangidy (2424S 4700E): **FMNH**: 85237, 92832, 92833 - Fianarantsoa (212732.1S 470436E, 1190m): **USNM**: 448885 - Forêt d'Analalava (24 10 00 S 47 16 00 E, ca. 20m): **USNM**: 577065 - Ifanadiana, 6 km SSW (2121S 4737E, 500 m): **USNM**: 449315 - Kianjavato: **AMNH**: 257130 - Kianjavato, 0.5 km N (2123S 4752E, 300 m): **USNM**: 448883, 448884, 448886, 448929, 448930, 448931, 448932 - Kianjavato, 4 km E by road (2123S 4754E, 125 m): **USNM**: 449285 - Majunga (15 43 S 46 19 E, 124 m): **MNHN**: ZM-MO-1947-292 - Mananaro: **ZMB**: 5866 - Mananjary: **MNHN**: ZM-MO-1907-618 - Mandromondromotra River (2501S 4700E): **ROM**: 46926 - Maroantsetra (152600S 494400E, 170 m): **MNHN**: ZM-MO-1985-654 - no specific locality: **MNHN**: 223 (Holotype *Myzopoda aurita*) - Sainte Luce Forest (1) (2447S 4712E, 20 m): **USNM**: 578856 - Sainte Luce Forest (2) (2449S 4710E, 20 m): **USNM**: 578742, 578743, 578857, 578858 - Vatovavy (2124S 4757E, 150m): **USNM**: 449283, 449284.

Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007

Madagascar:

Unknown locality: **FMNH**: 187665, 187668; **UADBA**: 43185, 43187, 43463, 43464 - Ambohitantely (18 10 00 S 47 17 00 E, 1519 m): **UADBA**: 43183 - Andranomanitsy Forest (16 31 28 S 44 29 23 E, 35m): **AMNH**: 277725; **SMG**: 14817, 14819, 14820, 14823, 14824, 14825, 14826, 14827, 14828, 14829, 14830, 14832, 14833, 14834, 14835, 14836, 14837, 14838 - Station Forestière d'Ampijoroa, Jardin Botanique (16 19.4 S 46 48.4 E, 160 m): **FMNH**: 177327 (Holotype *Myzopoda schliemanni*).

EMBALLONURIDAE Gervais, 1855

Angola:
Giante's Castle (6300 ft): **AMNH**: 80877.

Coleura Peters, 1867

"Africa":
Unknown locality: **ZMA**: MAM.19227.
Ethiopia:
Unknown locality: **RMNH**: MAM.35869.
Kenya:
Tsavo West National Park, NW of Kilaguni Lodge (ca. 02 53 58 S 38 03 18 E): **ZMA**: MAM.21058.
Tanzania:
Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22272, MAM.22275.

Coleura afra (Peters, 1852)

"Africa":
Unknown locality: **BMNH**: 1907.7.8.40, 1907.7.8.42, 1907.7.8.43, 1907.7.8.44; **NMBE**: 5277, 5278 - Tschaka: **ZMB**: 67425.
Angola:
Catumbella [= Benguella] (1225S 1335E): **BMNH**: 1907.5.31.1 - Novo Redondo, near (11 22 48 S 13 52 48 E): **IICA**: 5233.
Cameroon:
Leplikoung (3.6524 N 10.2272 E): **GV**: CM-ECO6308, CM-ECO6309.
Central African Republic:
Unknown locality: **BMNH**: 1981.1298, 1981.1299 - Bamingui-Bangoran National Park (0755N 2015E, 469 m): **BMNH**: 1981.230, 1981.231 - Bamingui-Bangoran prefecture: **SMF**: 62927, 62928 - Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1984-1508, ZM-MO-1984-1509, ZM-MO-1984-1510, ZM-MO-1984-1511, ZM-MO-1984-1512, ZM-MO-1984-1513, ZM-MO-1984-1514, ZM-MO-1984-1515, ZM-MO-1984-1516, ZM-MO-1984-1517, ZM-MO-1984-1518, ZM-MO-1984-1519, ZM-MO-1984-1520, ZM-MO-1984-1521, ZM-MO-1984-1522, ZM-MO-1984-1523, ZM-MO-1984-1524, ZM-MO-1984-1525, ZM-MO-1984-1526, ZM-MO-1984-1527, ZM-MO-1984-1528, ZM-MO-1984-1529, ZM-MO-1984-1530, ZM-MO-1984-1531, ZM-MO-1984-1532, ZM-MO-1984-1533, ZM-MO-1984-1534, ZM-MO-1984-1535, ZM-MO-1984-1536, ZM-MO-1984-1537, ZM-MO-1984-1538, ZM-MO-1984-1539, ZM-MO-1984-1540, ZM-MO-1984-1541, ZM-MO-1984-1542, ZM-MO-1984-1543, ZM-MO-1984-1544, ZM-MO-1984-1545, ZM-MO-1984-1546, ZM-MO-1984-1547, ZM-MO-1984-1548, ZM-MO-1984-1549, ZM-MO-1984-1550, ZM-MO-1984-1551, ZM-MO-1984-1552, ZM-MO-1984-1553, ZM-MO-1984-1554, ZM-MO-1984-1555, ZM-MO-1984-1556, ZM-MO-1984-1557, ZM-MO-1984-1558, ZM-MO-1984-1559, ZM-MO-1984-1560, ZM-MO-1984-1561, ZM-MO-1984-1562, ZM-MO-1984-1563, ZM-MO-1984-1564, ZM-MO-1984-1565, ZM-MO-1984-1566, ZM-MO-1984-1567, ZM-MO-1984-1568, ZM-MO-1984-1569, ZM-MO-1984-1570, ZM-MO-1984-1571, ZM-MO-1984-1572, ZM-MO-1984-1573, ZM-MO-1984-1574, ZM-MO-1984-1575, ZM-MO-1984-1576, ZM-MO-1984-1577, ZM-MO-1984-1578, ZM-MO-1984-1579, ZM-MO-1984-1580, ZM-MO-1984-1581, ZM-MO-1984-1582, ZM-MO-1984-1583 - Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-1985-512 - Koumbala (Camp) (0729N 2113E, 600 m): **MNHN**: ZM-MO-2000-961, ZM-MO-2000-962, ZM-MO-2000-963, ZM-MO-2000-964, ZM-MO-2000-965, ZM-MO-2000-966, ZM-MO-2000-967, ZM-MO-2000-968, ZM-MO-2000-969, ZM-MO-2000-970, ZM-MO-2000-971, ZM-MO-2000-972, ZM-MO-2000-973, ZM-MO-2000-974, ZM-MO-2000-975, ZM-MO-2000-976.
Congo (Democratic Republic of the):
Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 48809, 48811, 48812, 48813, 48814, 48815, 49033, 51250, 51251, 51252, 51253, 51254, 51255, 51256; **MCZ**: 17369; **RMCA**: 12394 - Cape Cassa Mabongo (03 24 S 29 08 E): **BMNH**: 1953.10, 1953.11, 1953.12, 1953.5, 1953.6, 1953.7, 1953.8, 1953.9 - Tanganyika, Congo shore of lake (06 00 S 29 11 E): **RBINS**: 9062.1, 9062.2, 9062.3, 9062.4, 9062.5, 9062.6, 9062.7, 9062.8, 9062.9 - Wago (mount) (014500N 300400E, 2240 m): **RMCA**: 21466, 23282, 23283, 23291, 23292.
Côte d'Ivoire:
Unknown locality: **MNHN**: ZM-MO-1912-172 A, ZM-MO-1912-172 B.
Djibouti:
Ardo, 500 m E (114922N 424025E): **MNHN**: ZM-MO-2000-552.
Egypt:
Unknown locality: **BMNH**: 1903.12.8.18, 1903.12.8.19, 1903.12.8.20, 1903.12.8.21, 1903.12.8.22, 1903.12.8.23.
Ethiopia:
Unknown locality: **BMNH**: 1971.603; **SMF**: 45005, 45006 - Chamo, lake (05 50 N 37 33 E): **SMF**: 47866 - Megenagne (12 12 N 35 40 E, 564 m): **ZMMU**: S-189523, S-189524, S-189525.
Ghana:
Unknown locality: **BMNH**: 1975.535_1, 1975.535_2, 1976.722, 1976.723_1, 1976.723_2, 1976.723_3, 1976.723_4 - Konkori, NE escarpment top (ca. 0940N 0145W): **AMNH**: 237413, 237414.
Guinea-Bissau:
Unknown locality: **ZMA**: MAM.18410 - Madina Boé (114500N 141300W, 76 m): **MNHN**: ZM-MO-1940-1209 - 201 (Syntype *Coleura kummeri*); **NMBA**: 5277 (Syntype *Coleura kummeri*), 5278 (Syntype *Coleura kummeri*); **RMCA**: 15313 (Syntype *Coleura kummeri*).
Kenya:

Unknown locality: **BMNH**: 1973.531_1, 1973.531_2, 1975.2860_1, 1975.2860_2, 1975.2860_3, 1975.2860_4, 1975.2860_5, 1975.2860_6, 1975.881, 1975.881_1, 1975.881_2, 1975.881_3, 1975.881_4, 1975.881_5, 1975.881_6; **QM**: JM6209, JM6218; **ROM**: 71066; **SMF**: 25808, 25809, 25810, 25811, 25812, 25813, 25814, 25815, 25816, 25817, 25818, 25819, 25820, 25821, 25822, 25823, 25824, 25825, 25826, 25827, 25828, 25829, 25830, 37520, 37521, 37522, 37523, 37524, 37525, 37526, 37527, 37528, 37529, 37530, 37531, 37532, 37533, 37534, 37535, 37536, 37537, 37538, 37539, 37540, 37541 - Baringo, lake (003400N 360100E): **ROM**: 40206 - Baringo, lake (003400N 360100E, 975 m): **FMNH**: 152445, 152446 - Coast [former] province: **SMF**: 37519 - Diani (041619S 393408E): **ROM**: 45979, 45980, 45981, 45982, 73542, 73543, 73544, 73545, 73546, 73547, 73548, 73549, 73550, 78078, 78079, 78080, 78081, 78082, 78083, 78084, 78085, 78087, 78088, 91157; **USNM**: 350817, 350818, 350819, 350820, 350821, 350822, 350823, 350824, 350825, 350826, 350827, 350828, 350829, 350831, 351204, 351205, 351206, 351207, 351208, 351209 - Diani Beach (04 18 13 S 39 35 01 E): **ZMA**: MAM.21051, MAM.21052, MAM.21054, MAM.21055, MAM.30029 - Diani cave (041813S 393501E): **ROM**: 77393, 77394, 78086 - Diani coast (ca. 041813S 393501E): **NMK**: Uncat (|R,4061| 1), Uncat (|R,4061| 2) - Diani, Moto cave (041619S 393408E): **BMNH**: 1975.2427 - Gibraltar island (0036N 3604E, 3000 ft): **ROM**: 36253, 36254, 36255, 36256, 36257, 36258, 36259 - Kampi Ya Samaki (003600N 360100E, 1006 m): **USNM**: 436499 - Kampi Ya Samaki (003600N 360100E, 914 m): **ROM**: 68671, 68672, 68673, 68674 - Kampi ya Samaki (0038N 3617E): **ROM**: 68548, 68549, 68550, 68551 - Kampy Ya Samaki, 2 mi S (003600N 360100E, 975 m): **ROM**: 75476 - Kilifi (0338S 3951E, 61 m): **ROM**: 36249, 36250, 36251, 36252 - Kilifi, 10 km S (0337S 3950E): **ROM**: 78077 - Kit Mikayi (00 07 04 S 34 32 28 E): **MMU**: PWW2982, PWW2983, PWW2984, PWW2985, PWW2986, PWW2987, PWW2988 - Kitoko River: **ROM**: 71246 - Magwagwa Beach (04 07 49 S 39 36 51 E): **ZMA**: MAM.23458 - Marigat (002800N 355900E, 1062 m): **ROM**: 75457 - Maungu (61m): **ROM**: 68505, 68506, 68507, 77501, 77520 - Molo river (0155S 3545E, 1067 m): **ROM**: 75491 - Mombasa, 8 km S (0404S 3940E): **ROM**: 36703, 36704, 85763 - Morok River (002028N 353756E, 1372 m): **ROM**: 75424 - Moto cave (041619S 393408E): **FMNH**: 152427, 152428, 152429, 152430, 152431, 152432, 152433, 152434, 152435, 152436, 152437, 152438, 152439, 152440, 152441, 152442, 152443, 152444; **ROM**: 68417; **USNM**: 350832, 350833, 350834, 350835 - Mwingi, 10 mi. E (ca. 0056S 3810E): **AMNH**: 187345, 187346, 187347, 187348, 187349, 187350 - Ndiani, coast (041813S 393501E): **BMNH**: 1973.532 - Ngombeni (04 07 49 S 39 36 51E, 31 m): **BMNH**: 1974.881; **NMK**: 6708, 6710; **SMF**: 15808, 15809, 15810, 15811, 15812, 15813, 15814, 15815, 15816, 15817, 15818, 15819, 15820, 15821, 15822, 15823, 15824, 15825, 15826, 15827, 15828, 15829, 15830, 19417, 19418 - Ngombeni [caves] (04 07 49 S 39 36 51 E, 31 m): **FMNH**: 86663, 86664, 86665, 86666, 86667, 86668, 86669, 86670, 86671, 86672, 86673; **USNM**: 347383, 347400, 347401, 347402, 347403, 347404, 347405, 347406, 347407; **ZMA**: MAM.21043, MAM.21044, MAM.21045, MAM.21046, MAM.21047 - Pango La Mwana Moto (ca. 0411S 3927E): **CUMV**: 13657, 13658 - Port Dawnford: **NMK**: 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 64122, 71004, 71005, 71006, 71008, 71009, 71010, 71011, 71012, 71013, 71014, 71015, 71016 - Similani cave (04 07 49 S 39 36 51 E, 31 m): **AMNH**: 237324, 237325, 237326, 237327; **ROM**: 81247, 81248, 81249, 81250, 81251, 81264, 81265, 81266, 81267, 81268, 81269, 81271 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 66831, 66832, 66833, 66834, 66835, 66836, 66837, 66838, 66839, 66840, 66841, 66869, 66870 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **ZMA**: MAM.20747 - Tiwi River delta (04 15 S 39 35 E): **ROM**: 73499, 73500, 73501, 73502, 73503, 73504, 73505, 73506, 73507, 73508, 73509 - Tsavo (030000S 384000E): **AMNH**: 82396 - Turkwell Gorge (0154N 3522E): **ROM**: 73314 - Ukunda, 2.5 km E (0417S 3935E): **TTU**: 39174, 39175, 39176, 39177, 39178, 39179, 39180, 39181, 39182, 39183 - Ukunda, 3 km E (0417S 3935E): **MCZ**: 59780, 59781, 59782, 59783, 59784, 59785, 59870, 59874 - Vipingo (0349S 3948E, 99 m): **ROM**: 66701, 66726, 66727, 66728, 66729, 66730, 66731, 66732, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747, 66749, 66750, 66751, 66752, 66754, 66755, 66756, 66757, 66758, 66759, 66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770, 66771, 66772, 66773, 66774, 66775, 66776, 66777, 66778, 66779, 66780, 66781, 66782, 66783, 66784, 66785, 66786, 66787, 66788, 66789, 66790, 66791, 66792, 66793, 66794, 66795, 66796, 66797, 66798, 66799, 66803, 66804, 73479, 73492, 73493, 73494, 73495, 73496, 73497 - Vipingoni (0349S 3948E): **FMNH**: 152425, 152426 - Vipingoni cave (0349S 3948E): **WNMU**: 6182 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **USNM**: 182654.

Mozambique:

Tete: **BMNH**: 1858.6.18.12 (Syntype *Emballonura afra*) - Tete (16 10 S 33 35 E, 230 m): **ZMB**: 85668 (Syntype *Emballonura afra*) - Tete (1610S 3335E): **BMNH**: 1907.1.1.703 (Syntype *Emballonura afra*) - Tette [=Tete] (1610S 3335E, 230 m): **ZMB**: 54845, 571, 67559, 67561, 67562, 85667, 85669.

Nigeria:

Idere (0729N 0315E, 151 m): **USNM**: 402580, 402581, 402582, 402583, 402584, 402585, 402586, 402587, 402588, 402589, 402590, 402591, 402592, 402593, 402594, 402595, 402596, 402597, 402598, 402599, 402600, 402601, 402602, 402603, 402604, 402605, 402606, 478586, 478587, 478588, 478589, 478590, 478591, 478592, 478593, 478594, 478595, 478596, 478597, 478598, 478599, 478600, 478601.

Somalia:

Unknown locality: **BMNH**: 1987.70, 1987.71, 1987.72, 1987.73, 1987.74, 1987.75, 1987.76, 1987.77, 2008.4 - Berbera, near (102623N 450052E): **BMNH**: 1954.994 - El Amba cave (015412N 450457E): **TTU**: 36354 - El Amha Cave (01 54 12 N 45 04 57 E): **BRTC**: 41936 - Mogadischu [=Mogadishiu =Moqdisho] (0204N 4522E): **ZMB**: 67427, 67428, 67429, 67430, 67431, 67432, 67433, 67434, 67435, 67436, 67437, 67438, 67439, 67440, 67441, 67442, 67443, 67444, 67445, 67446, 67447, 67448 - Mogadisio, 3 mi N (ca. 0204N 4522E): **AMNH**: 188255, 188256, 188257, 188258, 188259, 188260, 188261, 188262, 188263, 188264, 188265, 188266, 188267, 188268, 188269 - Zeila [=Saylac] (1121N 4328E): **ZMB**: 72250, 72251 - Zeyla (0 m): **BMNH**: 1911.8.2.4 (Holotype *C[oleura] gallarum*) - Zeyla (112114N 432826E, 0 m): **BMNH**: 1911.8.2.1, 1911.8.2.3, 1911.8.2.5, 1911.8.2.6.

South Sudan:

Bahr el Zaraf (ca. 092450N 310948E): **BMNH**: 1915.3.6.75, 1915.3.6.86 - Bahr-el-Zeraf, near mouth: **BMNH**: 1915.3.6.76 (Holotype *C[oleura] g[allarum] nilosa*) - Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586811, 586834, 586835, 586848 - Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586761 - Imurok (041846N 322328E, 762 m): **FMNH**: 67344, 67345, 67346, 67347, 67348 - Imurok (041846N 322328E, 914 m): **FMNH**: 68081, 68082, 68083, 68176, 77659, 77660, 77661, 77662, 77663, 77664 - Katuluru (0425N 3217E): **FMNH**: 78178, 78179 - Kotokeinyang (041307N 324750E): **USNM**: 368867 - Lofi (041422N 325922E, 610 m): **FMNH**: 78185, 78186, 78187, 78188 - Lowai (0425N 3212E): **FMNH**: 79606 - Marangu cave (0433N 2822E): **FMNH**: 81567, 81568 - Molongori (041027N 325032E, 1182 m): **FMNH**: 78180, 78181, 78182, 78183, 78184 - Sunnat (041925N 324756E, 914 m): **FMNH**: 67486 - Torit, near (ca. 0424N 3234E, 3000 ft): **AMNH**: 184455.

Sudan:

Unknown locality: **BMNH**: 1914.3.8.11, 1937.1.14.10, 1937.1.14.11, 1937.1.14.8, 1937.1.14.9, 1951.508, 1951.509, 1951.510, 1951.511, 1951.512, 1951.513, 1951.514 - Al Jabalayn (12 35 25 N 32 48 03 E, 380 m): **WAM**: M26992 - Bahr el Zeraf, Gebel Geraf (154900N 311000E): **BMNH**: 1933.10.14.2 - Jebel Talao (11 02 N 29 44 E, 550 m): **SMF**: 32829, 32840, 32841, 32842, 32843, 32844, 32845, 32846, 32847, 32848, 32849, 32850, 32851, 32852, 32853, 32854, 32855, 32856, 32857, 32858, 32859, 32860, 32861, 32862, 32863, 32864, 32865, 32866, 32867, 32868, 32869, 32870, 32871, 32872, 32873, 32874, 32875, 32876, 32877, 32878, 32879, 32880, 32881, 32882, 32883, 32884, 32885, 32886, 32887, 32888, 32889, 32890, 32891, 32892, 32893, 32894, 32895, 32896, 32897, 32898, 32899, 32900, 32901, 32902, 32903, 32904, 32905, 32906, 32907, 32908, 32909, 32911, 32912, 32913, 32914, 32915, 32916, 32917, 32918, 32919, 32920 - Jebelein (12 35 25 N 32 48 03 E, 380 m): **AMNH**: 82235, 82236, 82237, 82238, 82246, 82247, 82248, 82249, 82250, 82251, 82252, 82253, 82254, 82255, 82256, 82257, 82258, 82259, 82260, 83392, 83393, 83394, 83395, 83396, 83397, 83398, 83399, 83400, 83401, 83402, 83403, 83404 - Rheika (10 41 N 30 00 E): **SMF**: 32952, 32954, 32956, 32958, 32959 - Sennar state: **SMF**: 78091, 78092, 78093, 78094, 78095, 78096, 78097, 78098, 78099, 78100, 78101, 78102, 78103 - Suakin (19 06 21 N 37 19 56 E, 59 m): **SMF**: 32921, 32922, 32923, 32924, 32925, 32926, 32927, 32928, 32929, 32930, 32931, 32932, 32933, 32934, 32935, 32936, 32937, 32938, 32939, 32940, 32941, 32942, 32943, 32944, 32945, 32946, 32947, 32948, 32949, 32950, 32951, 32953, 32955, 32957.

Tanzania:

Unknown locality: **BMNH**: 1960.57, 1960.58, 1976.284; **SMF**: 25831, 25832, 25833 - Ambani caves (0538Ba): **TM**: 29271, 29273, 29274 - Amboni cave (05 04 S 39 03 E): **BMNH**: 1939.242; **NMK**: 7397, 7398, 7399, 7400, 7401, 7402 - Amboni Cave Forest (05 04 00 S 39 03 00 E, 36 m): **CAS**: 12486, 12520; **FMNH**: 197987, 197988, 197989, 197990, 197991, 197992, 197993, 197994, 197995, 197996, 197997, 197998, 197999, 198000, 198001, 198002, 198020, 198021, 198022, 198023, 198024, 198025, 198026, 198027, 198028, 198029, 198030, 198031, 198032 - Ashanti-Geita (02 55 S 32 05 E): **FMNH**: 182718 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22261, MAM.22262, MAM.22263, MAM.22264, MAM.22265, MAM.22266, MAM.22267, MAM.22268, MAM.22269, MAM.22270, MAM.22271, MAM.22273, MAM.22274 - Dar Es Salaam (06 48 00 S 39 17 00 E, 0 m): **WAM**: M27049, M27050, M27051, M27052 - Geita district (02 55 S 32 15 E): **FMNH**: 42429 - Kulumuzi (0504S 3906E): **MNHN**: ZM-MO-1997-2065 - Lindi (10 00 S 39 43 E, 0 m): **ZMB**: 67426 - Maziwa ya Ngombe (0459S 3952E, 4 m): **FMNH**: 192804, 192805, 192806, 192807, 192808, 192809, 192810, 192811, 192812, 192813, 192874, 192875, 192876, 192877, 192878, 192879 - Muansa [=Mwanza] (02 31 S 32 54 E, 1209 m): **FMNH**: 42430; **MCZ**: 26725, 26726, 26727, 26728, 26729, 26730, 26731, 26732, 26733, 26734, 33740, 33741, 33742, 33743, 33744 - Mwanza region: **SMF**: 88035 - Siga caves (0504S 3903E): **MCZ**: 38990, 38991, 49786, 49787, 49788, 49789, 49790, 49791, 49792, 49793, 49794, 49795, 49796, 49797, 49798, 49799, 49800, 49801, 49802, 49803, 49804, 49805, 49806 - Sigi River (0503S 3904E): **FMNH**: 86676, 86677, 86678, 86679, 86680, 86681, 86682, 86683, 86684, 86685, 86686, 86687, 86688, 86689, 86690, 86691, 86692, 86693, 86694, 86695, 86696, 86697, 86698, 86699, 86700, 86701, 86702, 86703, 86704, 86705, 86706, 86707 - Tanga (05 04 00 S 39 06 00 E, 0 m): **USNM**: 351181; **ZMB**: 10136, 10137 - Tanga region: **SMF**: 74252, 74253, 74254, 74255, 74256, 79529, 90824 - Tanga, near (ca. 050400S 390600E): **MCZ**: 38923, 38947, 38948, 38949, 38950, 38951, 38952, 38953.

Uganda:

Karamoja: **ROM**: 36705, 36706 - Mount Wati (031340N 310146E): **ROM**: 39913, 39914, 39915, 39916, 39917, 39918, 39919, 39920, 39921, 39922, 39924, 39925, 39926, 39927 - Sukuli Hills (0040N 3410E): **CAS**: 24574, 24575, 24576, 24577, 24578, 24579, 24580, 24581, 24582, 24583; **ROM**: 60013, 60014, 60016, 60017, 60018, 60019, 60020, 60021, 60022, 60023, 60024, 60025, 60026, 60027, 60028, 60029, 60030, 60031, 60032, 60033, 60034, 60035, 60036, 60037, 60038, 60039, 60040, 60041, 60042, 60043, 60044, 60045, 60046, 60047, 60048, 60049, 60050, 60051, 60052, 60053, 60054.

Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012

Madagascar:

Unknown locality: **FMNH**: 221311, 221312 - Ambatoharanana cave (Crocodile Cave) (12.9883 S 49.0217 E): **FMNH**: 183864 (Paratype *Coleura kibomalandy*), 183865 (Paratype *Coleura kibomalandy*), 183866 (Paratype *Coleura kibomalandy*), 183867 (Paratype *Coleura kibomalandy*), 183907 (Paratype *Coleura kibomalandy*), 213591 (Paratype *Coleura kibomalandy*), 213592 (Paratype *Coleura kibomalandy*), 213593 (Paratype *Coleura kibomalandy*), 213594 (Paratype *Coleura kibomalandy*), 213595 (Paratype *Coleura kibomalandy*), 213596 (Paratype *Coleura kibomalandy*), 213597 (Paratype *Coleura kibomalandy*), 213598 (Holotype *Coleura kibomalandy*), 213599 (Paratype *Coleura kibomalandy*), 213600 (Paratype *Coleura kibomalandy*), 213601 (Paratype *Coleura kibomalandy*), 213602 (Paratype *Coleura kibomalandy*), 213603 (Paratype *Coleura kibomalandy*) - Anjohimbovonomby (162809S 452053E): **UADBA**: 43497 (Paratype *Coleura kibomalandy*).

Coleura seychellensis Peters, 1868

"Africa":

Unknown locality: **MNHN**: ZM-MO-1878-1115.

Seychelles:

Unknown locality: **BMNH**: 1883.8.6.1, 1906.3.13.4, 1906.3.18.3; **MNHN**: ZM-AC-A6800, ZM-MO-1985-1053, ZM-MO-1985-1054; **ZMB**: 3470a (Syntype *Coleura seychellensis*), 3470b (Syntype *Coleura seychellensis*) - Amirante Island (060000S 531000E): **BMNH**: 1928.1.24.3 - Grande Anse (04 19 00 S 55 43 00 E): **BMNH**: 1939.1368, 1939.1369, 1939.1371, 1939.1372, 1939.1373, 1939.1374, 1939.1375, 1939.1376, 1939.1377, 1939.1378, 1939.1379, 1948.263, 1948.264, 1948.265, Uncat (|R,4061| 5) - La Digue (0421S 5550E): **BMNH**: 1973.524 - Mahe Island (ca. 04 40 S 55 28 E): **BMNH**: 1869.2.19.2 (Cotype *Coleura seychellensis*) - Mariane (04 20 00 S 55 55 00 E): **MNHN**: ZM-MO-1876-549 - Marianne Island (04 20 00 S 55 55 00 E): **MNHN**: ZM-MO-1873-1116, ZM-MO-1985-265 - Praslin island (04 19 S 55 44 E): **BMNH**: Uncat (|R,4061| 1), Uncat (|R,4061| 2) - Silhouette Island (0429S 5513E): **BMNH**: 1876.10.10.1, 1906.3.18.2 (Holotype *C[oleura] silhouettæ*), 1906.3.18.4, 1906.3.18.5, 1906.3.18.6, 1906.3.18.7, 1906.3.18.8, Uncat (|R,4061| 3), Uncat (|R,4061| 4).

Paremballonura atrata (Peters, 1874)

Madagascar:

Unknown locality: **BMNH**: 1987.136; **SMF**: 81228, 81229, 81230; **UADBA**: 43462, 43643, 43658, 43669, 43754, 43935, 50431, 50434; **ZMB**: 4692 - "probably côte est"; **MCZ**: 57538 - Ambatobe, W slope mount (2330.6S 4703.1E, 650 m): **FMNH**: 178595, 178596, 178677 - Analamazaotra forest, Périnet (185600S 482500E, 800 - 991 m): **ROM**: 42056 - Analamazaotra forest, Périnet (185600S 482500E, 800-991m): **MNHN**: ZM-MO-1985-418 - Antsiranana province: **FMNH**: 176360 - Fianarantsoa (212600S 470500E, 1156 m): **UADBA**: 31938 - Fort Carnot [=Ikongo]: **MCZ**: 45649 - Fort Carnot [=Ikongo] (215300S 472600E): **MCZ**: 45092, 45648 - Great Forest: **MCZ**: 45923, 45924, 45925 - Great forest of the East: **MCZ**: 45090 - Great forest of the East [=Grande forêt de l'Est]: **MCZ**: 45091 - Hiaraka (15 29 S 49 54 E): **MNHN**: ZM-MO-1985-948 - High Fanjahira, valley: **MCZ**: 45081, 45082, 45083, 45084, 45085, 45086 - Kianjavato (2122.442S 4751.604E, 150m): **FMNH**: 185224, 185225, 185226 - Mahanoro: **USNM**: 63331 - Mananara: **MNHN**: ZM-MO-1997-2133 - Maroantsetra (152600S 494400E, 170 m): **MNHN**: ZM-MO-1985-411 - Maroantsetra, 20 km SW (1534S 4936E): **FMNH**: 74198, 74199, 74200, 74201, 74202, 74203; **MNHN**: ZM-MO-1947-288 A, ZM-MO-1947-288 B, ZM-MO-1947-288 C, ZM-MO-1947-288 D, ZM-MO-1947-288 E, ZM-MO-1947-288 F, ZM-MO-1947-288 G, ZM-MO-1947-288 H, ZM-MO-1947-288 I, ZM-MO-1947-288 J, ZM-MO-1947-288 K, ZM-MO-1947-288 L, ZM-MO-1947-288 M, ZM-MO-1947-288 N, ZM-MO-1947-288 O, ZM-MO-1947-288 P, ZM-MO-1947-288 Q, ZM-MO-1947-289 A, ZM-MO-1947-289 B, ZM-MO-1947-289 C, ZM-MO-1947-289 D, ZM-MO-1947-289 E, ZM-MO-1947-289 F, ZM-MO-1947-289 G, ZM-MO-1947-289 H, ZM-MO-1947-289 I, ZM-MO-1947-289 J, ZM-MO-1947-289 K, ZM-MO-1947-289 L, ZM-MO-1947-289 M, ZM-MO-1947-289 N, ZM-MO-1947-289 O, ZM-MO-1947-289 P, ZM-MO-1947-289 Q, ZM-MO-1947-289 R, ZM-MO-1947-289 S, ZM-MO-1947-289 T, ZM-MO-1996-358, ZM-MO-1996-359, ZM-MO-1996-360 - Marovony Forest (2408S 4722E, 30m): **USNM**: 577062, 577063 - Marovony Forest (2408S 4722E, 50 m): **USNM**: 577257, 577258 - Mistinjo: **MNHN**: ZM-MO-1912-41, ZM-MO-1947-290 (1), ZM-MO-1947-290 (2), ZM-MO-1947-290 (3), ZM-MO-1947-290 (4), ZM-MO-1947-290 (5), ZM-MO-1947-290 A, ZM-MO-1947-290 B, ZM-MO-1947-290 C, ZM-MO-1997-2132 - Rogez (184800S 483700E, 359 m): **MNHN**: ZM-MO-1984-757, ZM-MO-1984-758 - Tamatave [=Toamasina] (18 10 00 S 049 23 00 E, 22 m): **MCZ**: 16401, 16402 - Tanala: **MCZ**: 45647 - Toamasina (181000S 492300E, 22 m): **UADBA**: 31936 - Vondrozo, cave N of: **MCZ**: 45089.

Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)

Madagascar:

Unknown locality: **UADBA**: 32981, 43456, 43457 - Andakaty, cave [=Grotte d'Andakaty] (1307.778S 4914.039E, 210m): **FMNH**: 179357, 179358, 179359, 179360, 179361, 179362, 179363, 179364 - Andavadrano (1250.632S 4920.897E, 330m): **FMNH**: 179238 - Anjajavy, 18.5 km S (1511.426S 4712.175E, 50m): **FMNH**: 184016, 184017 - Anjajavy, 26.5 km SW (1511.871S 4702.534E, 0m): **FMNH**: 184013, 184014, 184015 - Anjajavy, 3 km NE (1500.471S 4714.331E, 10m): **FMNH**: 184018, 184019, 184020, 184021, 184022, 184023, 184024 - Anjajavy, 4 km NE (1459.713S 4713.916E, 10m): **FMNH**: 184080 - Anjohitantely (1908.460S 4448.783E, 64m): **UADBA**: RBJ-157, RBJ-158, RBJ-162 - Binara, forest [=Forêt de Binara] (131518S 493659E): **FMNH**: 172680 - Grotte d'Andrafiabe, forêt près (12 55 54 S 49 03 24 E, 50 m): **FMNH**: 169705 (Holotype *Emballonura tiavato*) - Grotte de Bazaribe (12 42 44 S 49 28 25 E, 90 m): **FMNH**: 178800, 178801, 178802 - Marovaza (145648S 471628.6E, 5m): **FMNH**: 184025, 184026 - Matsaborimadio, at edge of (1248.625S 4915.252E, 290m): **FMNH**: 179239 - Point de la Fièvre (132500S 481800E): **MNHN**: ZM-MO-1985-410 - Reserve Speciale d'Ankarana, Ambahibe, cave [=Grotte d'Ambahibe] (125805S, 490709E, 80m): **FMNH**: 176270, 176271, 176272, 176273, 176274 - Reserve Speciale d'Ankarana, Andrafiabe Cave, forest near [=forêt près de la grotte d'Andrafiabe] (1255.9S 4903.4E, 50m): **FMNH**: 176275, 176276 - Reserve Speciale d'Ankarana, Antsironandoha Cave, west [=Ouest de la grotte d'Antsironandoha] (125320S 490551E, 100 m): **FMNH**: 173002, 173003 - Sambirano River, lower: **MCZ**: 45087, 45088.

Saccolaimus peli (Temminck, 1853)

"Africa":

Unknown locality: **BMNH**: 1907.7.8.45; **RBINS**: 24617 - Itimaire River: **MNHN**: ZM-MO-1984-1274.

Angola:

Lake Calundo [= Lac Calundo] (1148S 2052E, 1150m): **MDL**: 5797.

Cameroon:

Unknown locality: **BMNH**: 1948.614, 1948.615, 1948.616 - Djaposten (03 25 00 N 13 32 00 E, 719 m): **AMNH**: 90216, 90217, 90218, 90219, 90220, 90221, 90222, 90223 - Miéri (04 15 00 N 13 59 00 E, 611 m): **RMCA**: 76.014-M-0046 - Yaounde (0352N 1131E, 1025 m): **ZMB**: T10017.

Central African Republic:

Roubi River banks: **MNHN**: ZM-MO-1901-565.

Congo (Democratic Republic of the):

Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 48757, 48772, 49350; **MCZ**: 17366; **RMCA**: 12377, 3420 - Bafwaboka (02 07 00 N 27 40 00 E, 631 m): **AMNH**: 48761 - Beni (00 30 00 N 29 28 00 E, 853 m): **RMCA**: 15404 - Beno (03 37 00 S 17 48 00 E, 281 m): **RMCA**: 19472 - Bokoro (02 50 00 S 18 23 00 E, 252 m): **RMCA**: 21521 - Djeka (024700S 235500E): **RMCA**: 23640 - Ikela (011100S 231600E, 425 m): **RMCA**: 17907, 17908 - Inkongo (04 53 00 S 23 18 00 E, 400 m): **BMNH**: 1916.5.15.5 - Irumu (01 27 00 N 29 52 00 E, 841 m): **AMNH**: 82363, 82364 - Kikwit (05 03 44 S 18 52 38 E, 438 m): **RMCA**: 14913, 14914 - Kinawa passage (00 40 N 29 50 E): **RBINS**: 21460 - Kisiki (00 45 00 N 29 34 00 E, 1177 m): **MCZ**: 38027 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 9708 - Lesse (00 45 00 N 29 48 00 E, 800 m): **RMCA**: 3241, 3242 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86768, 86902, 86903, 86904, 86915 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.7.6.98; **RMCA**: 7541 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48762, 48763, 48765; **RMCA**: 12378 - Moera's Village (ca. 00 35 N 29 25 E, 914 m): **FMNH**: 30709, 30710 - Musenge village (0137S 2818E): **FMNH**: 30707, 30708 - N'Gayu area (ca. 01 35 00 N 27 13 00 E): **AMNH**: 48758, 48759, 48760, 49281, 49282 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 48766, 48767, 48768, 48769; **MCZ**: 17365 - Omaniumdu (03 21 00 S 23 16 00 E, 464 m): **RMCA**: 29535 - Panga (01 51 00 N 26 25 00 E, 434 m): **RMCA**: 16258 - Pawa (02 31 36 N 27 42 10 E, 696 m): **RMCA**: 14990, 14991, 14992 - Rungu (03 11 00 N 27 52 00 E, 704 m): **AMNH**: 48770 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86261 - St[uri] Forest [=Ituri Forest?] (010000N 291600E): **BMNH**: 1907.1.2.10, 1907.1.2.9 - Upper Congo: **BMNH**: 1907.6.14.1, 1907.6.14.2 - Walikale (01 24 56 S 28 03 26 E, 703 m):

USNM: 260135 - Yalosemba (02 35 N 24 47 E, 422 m): **TTU**: 36355; **USNM**: 463476, 537701, 537702 - Yokamba Elongo (00 01 00N 22 17 00 E, 429 m): **RMCA**: 21129.

Côte d'Ivoire:

Buyo, 15 km from (ca. 06 16 00 N 07 03 00 W): **RMCA**: 34933 - Lamto (06 12 00 N 05 02 00 W): **RMCA**: 97.077-M-3155 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1728, ZM-MO-1985-559, ZM-MO-1985-560, ZM-MO-1985-561, ZM-MO-1992-588 - Pelotes: **MNHN**: ZM-MO-1992-1814, ZM-MO-1992-1815.

Ghana:

Unknown locality: **BMNH**: 1946.104, 1950.1513, 1965.756 - Ahiriso (0632N 0220W): **USNM**: 414086, 414087 - Efeipo Krom (0457N 0152W): **USNM**: 424842 - Kade, 6 mi [=9.7 km] N (06 10 N 00 50 W): **USNM**: 414792 - Oda (05 55 N 00 56 W, 122 m): **MCZ**: 42649.

Liberia:

Unknown locality: **MCZ**: 25583, 25584, 25585, 25586 - Bangah (071640N 100349W): **MCZ**: 28537 - Tars Town (0613N 0808W): **USNM**: 481698, 481699, 481700, 481701, 481702, 481703, 481704, 481705, 481706, 481707, 481708, 481709, 481710, 481711, 481712, 582980, 582981, 582982 - Tchien, 25 km N (ca. 06 05 N 08 07 W): **AMNH**: 239387, 239388, 239389, 239390.

Nigeria:

Unknown locality: **BMNH**: 1910.6.1.9, 1920.3.18.3, 1920.4.28.1, 1920.4.28.2, 1920.4.28.3, 1971.1491_1, 1971.1491_2, 1971.1491_3 - Benin, 30 mi W (061846N 041401E): **USNM**: 377111, 377112, 377113, 377114, 377115.

Uganda:

Unknown locality: **BMNH**: 1952.1591; **USNM**: 237046 - Budongo Forest (0146N 3133E, 1372 m): **ROM**: 65863 - Bunyoro (0145N 3135E, 1219 m): **ROM**: 46598, 46599, 46657, 46719 - Bunyoro (0145N 3135E, 1372 m): **ROM**: 46544, 46545 - Lake Edward (ca. 0008S 2953E): **MCZ**: 28535, 28536 - Nabea (014416N 313322E): **USNM**: 237219, 237220, 237221.

Taphozous E. Geoffroy St.-Hilaire, 1818

"Africa":

Unknown locality: **MNHN**: ZM-MO-1880-238AC.

Cameroon:

Efulan (02 47 00 N 10 32 00 E, 421 m): **MNHN**: ZM-MO-1952-488.

Chad:

Ennedi (ca. 17 15 N 22 00 E): **MNHN**: ZM-MO-2001-505, ZM-MO-2001-506.

Ethiopia:

Abiata, lake (0737N 3836E): **USNM**: 589149.

Senegal:

Dagana (ca. 1630N 1530W): **ZMB**: 41259, 41260, 41261, 41262, 41263, 41264, 41265, 41266, 41267, 41268, 41269, 41270, 41271, 41272.

South Sudan:

Mogiri, Reeder Family Compound (03 56 09 N 31 36 29 E, 1024 m): **USNM**: 587628, 587635.

Sudan:

Unknown locality: **BMNH**: 1915.3.6.74.

Tanzania:

Chimala (0852S 3420E): **YPM**: MAM 004282, MAM 004283, MAM 004284.

Uganda:

Sukuli Hills (0040N 3410E): **CAS**: 24612, 24613, 24614, 24615, 24616, 24617, 24618, 24619, 24620, 24621.

Zambia:

Chelston, 2 mi [=3.2 km] N (15 21 S 28 23 E): **MSB**: 33785, 33786, 33787, 33788.

Taphozous incognita (Butler & Hopwood, 1957)

Kenya:

Koru (00 11 S 35 16 E, 1980 m): **BMGD**: M.14222.

Taphozous hamiltoni Thomas, 1920

Kenya:

Unknown locality: **BMNH**: 1936.11.4.7, 1975.2859, 1976.289_1, 1976.289_2, 1976.290 - Central island (03 30 N 36 02 E, 381 m): **FMNH**: 153047, 153048; **NMK**: 7172, 7173, 7346; **SMF**: 46544, 46545 - El Molo Island (ca. 0251N 3642E): **WNMU**: 366 - El Molo Island, E side (ca. 0251N 3642E): **FMNH**: 153049, 153050, 153051 - Loyangalani, 4 mi [= 6 km] from (ca. 0251N 3642E): **FMNH**: 153052.

South Sudan:

Chalamni (042931N 325455E, 1110 m): **FMNH**: 77607, 77608, 77609, 77709, 77710, 77711, 77712 - Chalamni (042931N 325455E, 610 m): **FMNH**: 67311 - Lafon (0505N 3229E): **FMNH**: 67170 - Lafon (0505N 3229E, 549 m): **FMNH**: 67310 - Lafon (0505N 3229E, 604 m): **FMNH**: 68104, 68105, 79600 - Lodwara (0411N 3307E): **FMNH**: 66611, 66612, 66613; **USNM**: 368868 - Loqutor (0435N 3258E): **FMNH**: 68093, 68094, 68095 - Mongalla (0510N 3150E): **BMNH**: 1919.12.18.1 (Holotype *Taphozous hamiltoni*) - Nimule (0335N 3203E, 1219 m): **FMNH**: 79596, 79599 - Okaru (042929N 321009E, 911 m): **FMNH**: 68096, 68097, 68098.

Sudan:

Unknown locality: **BMNH**: 1936.11.4.9.

Taphozous hildegardeae Thomas, 1909

Kenya:

Unknown locality: **BMNH**: 1975.2428, 1975.2768, 1975.2768_1, 1975.2768_2, 1975.2768_3, 1975.2768_4, 1975.2768_5, 1975.2768_6, 1975.2769, 1975.2770, 1975.2771, 1975.2772, 1975.2773, 1975.928, 1975.928_1,

1975.928_2, 1975.928_3, 1975.929; **KU**: 150201 - Coast [former] province: **SMF**: 19409, 25257, 25258, 25259, 25260, 25261, 25263, 38412, 38413, 38414, 38415, 38416, 39380, 39381, 39382, 39383, 39384, 39386, 39387, 39388, 39389, 39390, 39391, 39392, 39393, 39394, 39395, 39396, 39397, 39398, 39399, 39400 - Mombasa (04 03 00 S 39 40 00 E, 0 m): **ROM**: 79674 - Mombasa, 12.8 km S (04 09 57 S 39 40 00 E): **ROM**: 79675 - Mombasa, 13 km S (0404S 3940E): **ROM**: 41835 - Mombasa, 8 km S (0404S 3940E): **ROM**: 36707 - Mombasa, S of (0404S 3940E): **ROM**: 85765 - Moto cave (041619S 393408E): **ROM**: 78068, 78069, 78070; **USNM**: 350848, 350849, 351210, 351211 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 74494, 74495, 74496, 74497, 74498, 74499 - Ngombeni [caves] (04 07 49 S 39 36 51 E, 31 m): **AMNH**: 219130; **FMNH**: 86521, 86522, 86523, 86524, 86525, 86526, 86527, 86528, 86529, 86530, 86531, 86532, 86533, 86534; **MCZ**: 59871; **ZMA**: MAM.21031, MAM.21032, MAM.21033, MAM.21034, MAM.21035, MAM.21036, MAM.21037 - Patta [=Pate, island] (0206S 4103E): **ZMB**: T10483, T10484 - Rabai (0356S 3934E, 700 ft): **BMNH**: 1909.6.12.7 (Holotype *Taphozous hildegardeæ*) - Shimilani (04 14 00 S 39 36 00 E): **RMCA**: 75.054-M-0014, 75.054-M-0015 - Shimoni (04 38 50 S 39 23 00 E, 0 m): **AMNH**: 237328, 237329; **FMNH**: 153065, 153066, 73086, 73087; **ROM**: 36260, 36261, 38401, 38402, 38403, 73152, 73153, 73154, 73155, 73156, 74469, 74470, 74471, 74472, 74473, 74474, 74475, 74476, 74477, 74478, 74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 78056, 78057, 78058, 78059; **USNM**: 350837; **WNMU**: 354 - Shimoni cave (04 38 50 S 39 23 00 E, 0 m): **RMCA**: 38550, 38551a; **ROM**: 46961, 46962, 46963, 46964, 76573, 76575, 76576, 76577, 76582, 76585, 76587, 76590, 76591, 76592, 76593, 76596, 76600, 76603, 76606, 76609, 76610, 76611, 76612, 76613, 76614, 76615, 76616, 76617, 76618, 76619, 76620, 76621, 76622, 76623, 76624, 76625, 76626, 76627, 76628, 76629, 76630, 76631, 76632, 76633, 76635, 76636, 76637, 76638, 76643, 76644, 76648, 76649, 76650, 76651, 76652, 76653, 76654, 76655, 76656, 76657, 76658, 76659, 76660, 76661, 76662, 76663, 76664, 76665, 76666, 76667, 76668, 76669, 76670, 76671, 76672, 76673, 76674, 76675, 76676, 76677, 76678, 76679, 76680, 76681, 76682, 76683, 76685, 76686, 76687, 76688, 76689, 76690, 76691, 76692, 76693, 76694, 76695, 76696, 76697, 76698, 76699, 76700 - Similani cave (04 07 49 S 39 36 51 E, 31 m): **AMNH**: 237330; **ROM**: 78073, 78074, 81227, 81228, 81231, 81232, 81233, 81234, 81238, 91161 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 66808, 66809, 66810, 66811, 66812, 66813, 66814, 66815, 66816, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829, 66830 - Tiwi River delta (04 15 S 39 35 E): **ROM**: 73498 - Vipingo (0349S 3748E, 99 m): **ROM**: 73516, 73517, 73518, 73519, 73520, 73521, 73522 - Vipingo (0349S 3948E, 99 m): **ROM**: 73478, 73510, 73511, 73512, 73513, 73514, 73515 - Vipingo cave (0349S 3948E): **ROM**: 78060, 78061, 78062, 78063, 78071, 78072; **USNM**: 350838, 350839, 350840, 350841, 350842, 350843, 350844, 350845 - Vipingoni (0349S 3948E): **ROM**: 78064, 78065, 78066, 78067 - Vipingoni cave (0349S 3948E): **FMNH**: 153053, 153054, 153055, 153056, 153057, 153058, 153059, 153060, 153061, 153062, 153063, 153064.

Tanzania:

Unknown locality: **SMF**: 81212 - Tanga region: **SMF**: 79528.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818

"Africa":

Unknown locality: **DNSM**: 5825; **MNHN**: ZM-MO-1947-217, ZM-MO-1947-218, ZM-MO-1985-266, ZM-MO-1985-267; **RMCA**: 90.010-M-0007 - East Africa: **BMNH**: 1974.578 - Maldachi: **ZMB**: 5596.

Angola:

Unknown locality: **BMNH**: 1904.1.4.1, 1904.4.9.21, 1963.1045, 1963.1046, 1963.1047, 1963.1048, 1963.1049, 1963.1050, 1963.1051, 1963.1052 - Catumbella (1225S 1335E): **ZMB**: 3634 - Cunga (0922S 1337E): **USNM**: 18807 - Dundo (0722S 2050E, 726m): **MDL**: 11178a, 5010, 5011, 5012, 5027, 5028, 5029, 5030, 5032, 5033, 5034, 5036, 5037, 5038b, 5039, 5041, 5042, 5059, 5062, 5065, 5066, 5072, 5073, 5087, 5127, 5128, 5137, 5147, 5161, 5218a, 5807 - Dundo (0724S 2047E, 726m): **FMNH**: 66452, 66453, 66454, 66455, 66456, 66457, 66458, 66459, 66460, 66461, 66462, 66463, 66464, 66465 - Duque de Bragança [=Calandula] (ca. 0906S 1557E): **ZMB**: 3635 - Lândana (05 14 S 12 09 E, 0 m): **RBINS**: 242 - Luanda (08.88S 13.38E): **IICA**: 45.

Benin:

Agouagon (07 59 N 02 17 E, 155 m): **MNHN**: ZM-MO-1911-855 - Kpodave (06 49 N 01 46 E): **USNM**: 438870.

Botswana:

Chobe NP, Kasane (17.8S 25.15E): **NHMZ**: 63745 - Francistown (21.15S 27.5E): **NHMZ**: 63749 - Sehitwa, 22 km W (20.38S 22.63E): **NHMZ**: 63744 - Xugana (19.08S 23.1E): **USNM**: 518614 - Xugana (1905S 2306E, 975 m): **USNM**: 518615, 518616, 518617, 518619, 518620, 518621, 518622, 518623 - Xugana, 13 mi [=17 km] N (1857S 2253E, 975 m): **USNM**: 518618.

Burundi:

Bujumbura, 7 km NW (0321S 2918E): **SMF**: 57544, 57545 - Russissi, bank [=Rusizi delta] (03 16 S 29 14 E): **RMCA**: 82.016-M-0148.

Cameroon:

Unknown locality: **MNHN**: ZM-MO-1911-521; **ZMB**: 4952, T10019, T10020, T10608 - Eséka (0340N 1045E): **AMNH**: 236294 - M'bonge: **ROM**: 39072 - Meyo Nkoulou (02 16 00 N 11 02 00 E): **RMCA**: 73.018-M-0116 - Ngaoundéré, 14 km S (07 19 N 13 35 E, 1212 m): **AMNH**: 241031 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.016-M-0315, 73.016-M-0316, 73.017-M-0275, 73.017-M-0276 - Yabassi (04 27 16 N 09 57 56 E, 16 m): **RMCA**: 73.029-M-0093 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.016-M-0317, 73.016-M-0318, 73.016-M-0319, 73.016-M-0320, 73.016-M-0321, 73.016-M-0322, 73.016-M-0323, 73.016-M-0324, 73.016-M-0325, 73.016-M-0326, 73.016-M-0327, 73.016-M-0328, 73.016-M-0329, 73.016-M-0330, 73.017-M-0277, 73.017-M-0278, 73.017-M-0279, 73.017-M-0280, 73.017-M-0281, 73.017-M-0282, 73.017-M-0283, 73.017-M-0372, 73.017-M-0373.

Central African Republic:

Unknown locality: **BMNH**: 1981.1296, 1981.1297 - Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-1985-268 - Koumbala (Camp) (0729N 2113E, 600 m): **MNHN**: ZM-MO-2000-977, ZM-MO-2000-978 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-979.

Chad:

N'Djamena (12 06 47 N 15 02 57 E): **MNHN**: ZM-MO-1905-52 - N'Djamena (12 06 47 N 15 02 57 E, 1962 m): **MNHN**: ZM-MO-1962-1093.

Congo:

N'Gabi (031253S 161025E, 151 m): **AMNH**: 120304, 120322, 120323, 120324, 120325 - Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15648.

Congo (Democratic Republic of the):

Unknown locality: **BMNH**: 1906.7.1.18; **RMCA**: 27373, 27374 - Aba (03 52 00 N 30 14 00 E, 890 m): **RBINS**: 8188 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 49349, 49366, 49367; **MCZ**: 17227 - Bambesa (03 28 00 N 25 43 00 E, 614 m): **RMCA**: 14072, 14074, 14079, 16106, 16107, 16108, 17749, 17750, 17751, 17763, 17764, 17765, 17768, 18104 - Banana (060100S 122400E, 0 m): **RMCA**: 148, 148a, 148b, 21372, 21373 - Baudouinville (070300S 294700E, 763 m): **RMCA**: 18567 - Baye via Bondo (042500N 230400E): **RMCA**: 25861, 25862 - Beno (03 37 00 S 17 48 00 E, 281 m): **RMCA**: 19473 - Binga (02 23 00 N 20 30 00 E, 397 m): **RMCA**: 12678 - Blukwa (01 45 00 N 30 36 00 E, 2001 m): **RBINS**: 21664 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 75.035-M-0020 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 21396, 21682, 23246, 23247 - Bokungu (004100S 221900E, 402 m): **RMCA**: 18845, 18929a, 18930, 20084, 20846, 20847, 20848 - Bolobo (02 09 00 S 16 14 00 E): **RMCA**: 17402 - Bomane (01 18 N 23 47 E, 429 m): **UNIKIS**: CRT2227 - Buta (02 48 00 N 24 44 00 E, 434 m): **MCZ**: 23934; **RMCA**: 11590, 13855, 14565, 14947, 15324, 15777, 15954, 16282, 17303, 18842, 19079, 8929 - Butembo (0009N 2917E, 1381 m): **RMCA**: 27885 - Cel II (ca. 03 55 00 N 29 22 00 E): **RBINS**: 13533; **RMCA**: 36838, 36839, 36840, 36841 - Elisabethville (114000S 272600E, 1209 m): **MHNG**: 922.100; **RMCA**: 19417, 23824, 26281 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 48774, 48775, 48776, 48777, 48778, 48779, 48780, 48781, 48782, 48783, 48786, 48787, 48788, 48789, 48790, 48791, 48793, 48794, 48795, 48796, 48797, 48798, 48799, 48800, 48801, 48802, 48803, 48804, 48805, 48806, 48807, 48808, 49352, 49353, 49355, 49360, 49361, 49362, 49363, 49364; **MCZ**: 17228, 17367, 17368; **RMCA**: 12383, 12384 - Fatakit (02 00 N 30 34 E, 1611 m): **RBINS**: 18530.1, 18530.2 - Gangala (034100N 290800E, 701 m): **RMCA**: 27461, 27462, 27463 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 11655, 12941, 12942, 8189.1, 8189.2, 8190; **RMCA**: 25600, 25601, 25806 - Ibambi (02 22 00 N 27 37 00 E, 687 m): **RMCA**: 15215 - Ibembo (0238N 2337E, 420 m): **RMCA**: 19462, 20213, 20214, 20215, 20216, 20217, 21277 - Ikela (011100S 231600E, 425 m): **RMCA**: 27018, 27019 - Inkongo (04 53 00 S 23 18 00 E, 400 m): **RMCA**: 6312 - Kabwe (061200S 222300E, 610 m): **WNMU**: 2944 - Kakanda cave (104700S 263600E, 1438 m): **RMCA**: 22898, 22899 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 20466, 27729, 32800, 34803, 76.022-M-0024 - Kapolowe (11 02 00 S 26 57 00 E, 1135 m): **RMCA**: 23826 - Kapolowe mission (110200S 265700E, 1135 m): **RMCA**: 23919 - Karibumba (00 02 00 N 29 25 00 E, 1412 m): **RMCA**: 18864b - Kasengi (02 08 11 N 31 05 06 E, 1532 m): **AMNH**: 82382 - Katana (02 13 30 S 28 49 53 E, 1595 m): **MNHN**: ZM-MO-1985-273 - Katobwe (08 54 S 26 04 E, 610 m): **FMNH**: 29410, 29411, 29412, 29413, 29414, 29415 - Kilwezi (09 06 00 S 26 46 00 E, 854 m): **RBINS**: 10853, 10854, 10855, 10856, 10857 - Koteli (02 52 00 N 24 33 00 E, 432 m): **RMCA**: 8920 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 10617 - Leverville (04 50 00 S 18 44 00 E, 307 m): **RMCA**: 9990, 9991 - Lubondai-Tshimbulu (063400S 223900E, 794 m): **RMCA**: 26928 - Lubumbashi (11 40 00 S 27 28 00 E, 1208 m): **RMCA**: 7699 - Lubutu (00 44 00 S 26 35 00 E, 669 m): **RMCA**: 86.024-M-0005 - Lulenga (01 24 47 S 29 22 23 E, 2089 m): **RMCA**: 9153 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.11.1.24, 1926.11.1.25, 1926.7.6.97; **MHNG**: 850.045; **RMCA**: 1549, 33981, 33982, 7551 - Luputa (07 10 00 S 23 42 00 E, 841 m): **RMCA**: 12131 - Lusambo (04 58 00 S 23 27 00 E, 397 m): **RMCA**: 7333 - Macaco (05 28 00 S 21 10 00 E): **RMCA**: 6553 - Mahagi (02 18 00 N 30 59 00 E, 1671 m): **RMCA**: 17747 - Makaw (03 29 00 S 18 19 00 E, 315 m): **RMCA**: 27498 - Makengo (04 46 00 S 16 19 00 E, 611 m): **RMCA**: 18162 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0355 - Mondombe (005300S 224500E, 414 m): **RMCA**: 21716 - Mpaza (04 14 00 N 29 37 00 E): **RBINS**: 13536 - Murambi (01 08 00 S 29 27 00 E, 1275 m): **RBINS**: 12940 - Mutsora (00 19 00 N 29 44 00 E, 1200 m): **RBINS**: 12937, 12938, 12939, 17294; **RMCA**: 37162 - Nagero (03 45 00 N 29 31 00 E, 753 m): **RMCA**: 36842 - Nagero (03 45 N 29 31 E, 753 m): **RBINS**: 13534, 14627, 14628 - Ndwa (020900S 162500E): **RMCA**: 20255b - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 48773, 48784 - Niarembe (02 15 00 N 31 07 00 E, 1382 m): **RMCA**: 16251 - Nyangwe (04 13 00 S 26 11 00 E, 507 m): **RMCA**: 16247 - Pania-Mutombo (0511S 2351E, 407 m): **MCZ**: 31736 - Parc National de Garamba (04 10 N 29 30 E): **RBINS**: 13531.1, 13531.2, 13537 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **FMNH**: 26498, 30724, 30725, 30726; **INPBC**: V1347, V375; **RBINS**: 4770; **RMCA**: 14444, 14542, 14592, 14593, 14594, 14595, 14596, 14606, 14607, 14608, 16745 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 15371, 15372 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86171 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 1430, 16246, 9215, 9216 - Tshikapa (06 25 00 S 20 48 00 E, 485 m): **RMCA**: 6549, 6550, 6551, 6552, 6554 - Upper Congo: **BMNH**: 1907.6.14.3 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 91.076-M-0086, 92.079-M-0001, 92.079-M-0002, 92.079-M-0003, 92.079-M-0119, 92.079-M-0120, 92.079-M-0121, 92.079-M-0122, 92.079-M-0151 - Yakuluku (04 20 00 N 28 48 00 E, 697 m): **AMNH**: 49365 - Yangambi (00 47 00 N 24 28 00 E, 437 m): **RBINS**: 14464, 14466, 6986; **RMCA**: 17748 - Yaosuka (00 45 00 N 24 29 00 E): **RMCA**: 79.012-M-0001 - Zobia (02 58 N 25 56 E, 609 m): **RBINS**: 14463, 14465, 14467, 14468, 14469.

Côte d'Ivoire:

Unknown locality: **SMF**: 91855, 91856, 91857.

Equatorial Guinea:

Bioko Island (0330N 0842E): **AMNH**: 182550; **ZMB**: 4953.

Ethiopia:

Unknown locality: **BMNH**: 1970.2196 - Gambela (08 15 N 34 35 E, 514 m): **USNM**: 520896, 520897.

Gabon:

Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-2001-503 - Makokou and Bélinga, between (ca. 00 57 41 N 13 03 22 E): **ZMA**: MAM.19673 - Mouila (0152S 1100E): **FMNH**: 73822, 73823, 73824.

Ghana:

Unknown locality: **USNM**: 14530 - University of Ghana (053900N 001100W): **USNM**: 411842.

Guinea-Bissau:

"Bissao Senegambia": **BMNH**: 1860.2.11.3.

Kenya:

Unknown locality: **BMNH**: 1975.2429; **SMF**: 37518 - Aruba Lodge (03 21 S 38 49 E): **SMF**: 37516, 37517, 39415 - Galana Game Scheme [= Galana Ranch] (03 20 S 39 20 E): **UWBM**: 36094, 36095, 36096, 36097, 36098, 36099, 36100, 36101 - Garissa: **ROM**: 45944 - Kiambu: **LACM**: 19901 - Kilifi: **LACM**: 51669, 51670, 51671 - Kilifi (0338S 3951E, 61 m): **USNM**: 350836 - Kisumu district (0015S 3455E): **USNM**: 182655 - Mombasa, cave near (ca. 040300S 394000E): **USNM**: 347384, 347385 - Mungokho Village (00 22 29 N 34 53 55 E): **MMU**: PWW2923 - Nairobi: **LACM**: 51672 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **CAS**: 11910 - Nairobi, 10 mi [= 16 km] below (011700S 364900E, 1707 m): **FMNH**: 67691 - National Museums of Kenya (ca. 011700S 364900E): **FMNH**: 153067, 153068 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **LACM**: 51673, 51674 - Taka Ungu: **TTU**: 19374 - Taka Unka, Ungu Palm Grove on Coast: **TTU**: 8302 - Takaungu (03 41 00 S 39 51 00 E, 15 ft): **WAM**: M23801 - Takaungu (0341S 3951E): **LACM**: 51675, 51676, 51677, 51678, 51679; **ROM**: 36262, 36263, 36264, 36265, 36266, 36267, 36268, 36269, 36270, 78075, 91160 - Takaungu (0341S 3951E, 15 m): **FMNH**: 153069, 153070, 153071, 153072, 153073, 153074, 153075 - Thika, 6 km N (ca. 00 59

37 S 37 05 09 E, 1500 m): **ROM**: 68188 - Tsavo-East-NP: **ROM**: 48510 - unspecified locality (ca. 0118S 3649E): **LACM**: 10619 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **AMNH**: 114486.

Madagascar:

Unknown locality: **BMNH**: 1987.221; **SMF**: 11991; **UADBA**: 43598, 43599, FR-007 - Ampijoroa (1618S 4649E): **MNHN**: ZM-MO-1984-1261, ZM-MO-1984-1262, ZM-MO-1984-1263 - Bosianoremane: **MNHN**: ZM-MO-1882-1565 - Kyma Kyma: **MNHN**: ZM-MO-1985-269, ZM-MO-1985-270 - Mistinjo: **MNHN**: ZM-MO-1962-2642 - Mozambique Channel at N end of St. Augustin Bay (2336S 4339E): **MCZ**: 45650, 45651, 45652 - Mpasibola: **MNHN**: ZM-MO-1882-1983 - Tamatave, N of (ca. 18 10 S 49 23 E): **MNHN**: ZM-MO-1883-213, ZM-MO-1883-214 - unspecified locality: **FMNH**: 146758, 151938.

Malawi:

Unknown locality: **BMNH**: 1987.1028, 1987.1029 - Chinguni Resthouse (15 02 S 35 16 E): **ZMA**: MAM.28344 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **KU**: 79279 - Kasungu NP (13.05S 33.15E): **NHMZ**: 63750 - Kota Kota (12 55 00 S 34 18 00 E, 471 m): **AMNH**: 161860 - Lifupa Camp (13 03 S 33 09 E, 1050m): **ZMA**: MAM.28343 - Malema (10 01 13.27 S 33 55 36.45 E): **MNHN**: ZM-MO-1999-122 - Nkhotakota (12.93S 34.3E): **KM**: 11767.

Mauritius:

Unknown locality: **BMNH**: 1971.1748; **MNHN**: A.381 - 199 (Holotype *Taphozous mauritianus*), ZM-MO-1890-5; **ZMB**: 3571.

Mozambique:

Beira,10 km N (19.82S 34.87E): **USNM**: 365457, 365458, 365459 - Save River Bridge, 30 km N? (21.63S 32.38E): **NHMZ**: 63743 - Tete, near (ca. 160923S 333512E): **MCZ**: 43769.

Namibia:

Katimo Mulllo (17.5S 24.33E): **NHMZ**: 63747 - Klein Namutoni [=Sandup] (1849S 1657E, 3400 ft): **BMNH**: CN1542 - Terrace Bay (20.0S 13.1E): **SMW**: 12486.

Nigeria:

Dikwa, 31 mi NE (1201N 1355E): **USNM**: 378794 - Ibadan University College (07 23 16 N 03 53 47 E, 237 m): **ZMA**: MAM.20949 - Independence Layout (06 58 58 N 007 27 19 E, 508 m): **SMF**: 92073 - Maiduguri, NE of (ca. 11 50 42 N 13 09 36 E): **ROM**: 68784.

Réunion:

Réunion Island (ca. 21 06 S 55 36 E, 0 - 1700 m): **MNHN**: ZM-MO-1865-19, ZM-MO-1965-18 - St Benoit, near (21 02 17 S 55 43 10 E): **MNHN**: ZM-MO-1876-548.

Rwanda:

Astrida (023550S 294420E, 1733 m): **RMCA**: 18992 - Gabiro (01 31 00 S 30 28 00 E, 1400 m): **RBINS**: 4769; **RMCA**: 17074, 17075 - Kagera National Park (01 30 S 30 30 E): **RBINS**: 4771.

Senegal:

Unknown locality: **MNHN**: ZM-MO-1993-4329 - Diabane (1233N 1605W): **FMNH**: 128231.

Sierra Leone:

Unknown locality: **BMNH**: 1946.851, 1952.10.

South Africa:

Albany District (33.3S 26.08E): **KM**: 32581 - Amanzimtoti (30 03 00 S 30 52 48 E, 77 m): **DNSM**: 13336 - Bronkhorstspruit (2549S 2843E): **TM**: 17502 - Derdepoort (254050S 281720E): **TM**: 13444, 13445, 13446 - D'Nyala Provincial Nature Reserve (23 45 S 27 48 E): **TM**: 27685, 27686, 40938 - Doorndraai Dam Nature Reserve (2416S 2843E): **TM**: 44063 - Durban (29 51 00S 31 01 00 E, 27 m): **DNSM**: 15; **TM**: 3028 - Durban CBD (29 51 00 S 31 01 00 E, 17 m): **DNSM**: 11651 - Durban North (29 48 00 S 31 02 00 E): **DNSM**: 4290 - Durban North (29 48 00 S 31 02 00 E, 20 - 138 m): **DNSM**: 11642 - Farm Buren (2337S 2752E): **TM**: 42871 - Farm Duiwelskloof 376 [=Mokeetsi] (23 42 S 30 08 E): **TM**: 8725 - Farm Groothoek 99 (242100S 290748E): **TM**: 23340, 23341, 23342 - Farm Naerina (23 42 S 30 16 E): **TM**: 25264 - Farm Nicorel 343 (231536S 283636E): **TM**: 23335 - Farm Olifantspoort 328 (2549S 2716E): **TM**: 19631 - Farm Olifantspoort 328 [=Retiefkloof] (25 50 S 27 15 E): **TM**: 19531 - Glenwood (29 50 S 31 00 E, 29 - 147 m): **DNSM**: 6361 - Glenwood (29 50 S 31 00 E, 29 m): **DNSM**: 5609 - Greytown (29 06 36 S 30 36 36 E, 1015 m): **TM**: 3491 - Hans Strydom Dam Nature Reserve (240000S 274600E): **TM**: 44196 - Hartbees Fontein Camp (24 23 56 S 31 27 42 E): **KNP**: 55, 58 - Hatfield, Hatfield Primary School (254446S 281421E): **TM**: 13104, 13117, 13436 - Heidelberg (34.13S 20.88E): **SAMC**: 34195 - Howick (29 28 S 30 14 E, 1056 m): **DNSM**: 3268; **TM**: 38381 - Klipfontein, Waterberg (24.13S 28.3E): **NHMZ**: 56049 - KwaZulu-Natal province (2952S 3100E): **TM**: 2353 - Letaba Highwater Bridge (23 48 40 S 31 34 56 E): **AMNH**: 257151, 257152; **TM**: 39573, 39574 - Letaba Highwater Bridge (23 49 40 S 31 34 56 E): **TM**: 59573 - Luipershoek (2512S 2954E): **TM**: 41432 - Lynwood (2545S 2813E): **TM**: 41636 - Marine Parade (29 51 14 S 31 02 19 E): **DNSM**: 6869 - Marloth Park (25 22 S 31 47 E, 210 m): **FMNH**: 195599, 195600, 195601, 195602 - Messina Nature Reserve, banks of the Sand River (222512S 300448E): **TM**: 44201 - Mhlopeni Ranch (29 01 S 30 25 E): **DNSM**: 4291 - Morningside (29 50 S 31 00 E, 23 - 108 m): **DNSM**: 5640 - Mshopi camping site (27 38 23 S 32 09 32 E): **DNSM**: 10999, 11015 - Msinga pan (27 47 S 32 12 E): **TM**: 38107 - North Beach (29 50 51 S 31 02 09 E, 5 m): **DNSM**: 5990 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 38278, 39498, 39499 - Overport (29 50 20 S 30 59 24 E): **DNSM**: 6929 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 48493, 48528, 48542, 48588 - Pafuri area (222530S 311230E): **AMNH**: 257150 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 36594 - Picnic site (2225S 3115E): **TM**: 41727, 41728 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **KU**: 135857 - Pretoria (25 42 25 S 28 13 46 E, 1271 m): **RMCA**: 31129, 31130 - Royal Natal National Park (28 44 00 S 28 55 00 E, 1602 m): **DNSM**: 2478 - Scottsville (29 36 S 30 23 E): **TM**: 35443 - Shingomeni Out Post (22 53 45 S 31 24 19 E): **KNP**: 112 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **KNP**: 106; **TM**: 39730 - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein] (22 32 56 S 31 04 22 E): **TM**: 36781, 40997 - Tzaneen Governamental Estate (2348S 3010E): **TM**: 1097 - Tzaneen, 6 mi [= 9.7 km] NE (235000S 301000E): **USNM**: 384775 - Umbilo (29 53 21 S 30 59 04 E, 22 m): **DNSM**: 4772 - Umhlanga Reserve (29 43 00 S 31 05 00 E, 30 m): **DNSM**: 5883 - Waterberg, Farm Dirleton 276, Brombeek 271/2 (2232S 2926E): **TM**: 34133, 34134 - Yellowwood Park (29 54 S 30 55 E, 118 m): **DNSM**: 11733.

South Sudan:

Bangangai Game Reserve, Location 1 (04 54 20 N 27 42 19 E, 698 m): **USNM**: 587216 - Ikoto: **FMNH**: 66607 - Kagelu (040311N 303633E, 834 m): **AMNH**: 118583 - Kerripi (035459N 315500E, 701 m): **FMNH**: 67312, 67313 - Li Rangu: **FMNH**: 85444 - Li Rangu (044346N 282133E): **USNM**: 317904, 317905 - Malakal (09 32 13 N 31 39 22 E, 276 m): **FMNH**: 99220, 99221 - Mbarianga Cave: **FMNH**: 81588 - Melut (10 26 00 N 32 12 00 E, 362 m): **FMNH**: 99222 - Nzara (04 38 36 N 28 15 11 E, 595 m): **BMNH**: 1977.599, 1977.600, 1977.600_1, 1977.600_2, 1977.600_3, 1977.600_4, 1977.600_5, 1977.600_6, 1977.600_7, 1977.600_8, 1977.600_9, 1977.601, 1977.602, 1977.603, 1977.604, 1977.605,

1977.606, 1977.607, 1977.608 - Nzara West (04 38 N 28 15 E, 710 m): **SMF**: 32788, 32789 - Southern Region: **USNM**: 368869 - Taufikia (ca. 0925N 3135E): **ZMB**: 42427 - Torit (0427N 3231E, 610 m): **FMNH**: 66608, 66609, 66610 - Yambio, Wildlife Office compound (04 34 15 N 28 23 55 E, 652 m): **USNM**: 587210 - Yei (04 05 29 N 30 40 43 E, 830m): **SMF**: 32790.

Sudan:

Unknown locality: **BMNH**: 1909.10.10.1 - Buram (10 36 N 29 57 E): **SMF**: 32784 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **MNHN**: ZM-MO-1906-113 - South Darfur state: **SMF**: 32783.

Swaziland:

Siphiso campsite (26 12 34 S 32 00 02 E): **DNSM**: 5817.

Tanzania:

Unknown locality: **BMNH**: 1922.7.17.80, 1922.7.17.86, 1932.7.5.1, 1932.7.5.2, 1964.1336, 1964.1337, 1969.21, 1989.65, 1989.66; **RMNH**: MAM.15935, MAM.16649, MAM.16651; **SMF**: 19467, 19468 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22276 - Engaruka (02 59 00 S 35 57 00 E, 982 m): **SMF**: 29027 - Karema (06 49 S 30 26E, 785 m): **FMNH**: 86708, 86709, 86710, 86711, 86712 - Kidugallo (06 47 S 38 12 E, 180 m): **SMF**: 29026 - Kilombero Valley (08 40 S 36 30 E, 330 m): **SMF**: 88502 - Kilosa (06 50 S 36 59 E, 572 m): **FMNH**: 153076, 153077 - Kilossa (06 50 00 S 36 59 00 E, 572 m): **AMNH**: 55539, 55540, 55541 - Kulumuzi caves (0504S 3906E): **MNHN**: ZM-MO-1911-732 - Lake Manyara National Park (03 37 S 35 53 E): **SMF**: 69214, 70452, 70453, 70454 - Lindi (10 00 S 37 43 E, 0 m): **ZMB**: 9246 - Liwale (09 46 S 37 56 E, 468 m): **CAWM**: 4951 - Mbanja [= Mbangala] (0837S 3641E): **MCZ**: 38837, 38838, 38839 - Mikindani (10 17 S 40 07 E, 17 m): **SMF**: 26884, 26885, 26888, 26889, 26892, 26893, 26894, 26895, 26896, 26897, 26898, 26899, 26900, 26901, 26902, 26920, 26921, 26922, 26923, 26924, 26925, 26926, 26927, 26928, 26929, 26981; **ZMB**: T10000, T10001 - Mkomazi: **PSM**: Mammal-10253 - Morogoro (06 48 S 37 40 E, 560 m): **MCZ**: 22796, 22797 - Moshi (03 21 S 37 20 E, 887 m): **ROM**: 77333 - Mwanza (02 31 00 S 32 54 00 E, 1209 m): **ZMA**: MAM.22512, MAM.23313 - Mwaya (0842S 3630E): **MCZ**: 26226, 26270 - Ngaruka: **AMNH**: 179287 - Singida (0514S 3526E): **ZMB**: 45005 - Tabora (05 01 00 S 32 48 00 E, 1212 m): **LACM**: 31782 - Tambi: **LACM**: 15924 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ZMB**: 7642 - Tanga region: **LACM**: 31783; **SMF**: 82490 - Ujiji (0454S 2941E): **MCZ**: 26718, 26722 - unspecified locality: **LACM**: 31784 - Unyanganyi (0450S 3500E): **MCZ**: 25721.

The Gambia:

Unknown locality: **BMNH**: 1914.1.6.2 - Toniataba (13 26 N 15 35 W, 21 m): **USNM**: 379357.

Togo:

Agou (06 53 00 N 00 44 00 E, 488 m): **USNM**: 437599 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.013-M-0632, 73.013-M-0633, 73.013-M-0634, 73.013-M-0635, 73.013-M-0636, 73.013-M-0637 - Pogan (06 10 22 N 01 22 57 E, 66 m): **RMCA**: 73.011-M-0427, 73.011-M-0440, 73.011-M-0441, 73.011-M-0442, 73.011-M-0443, 73.011-M-0444, 73.011-M-0445, 73.011-M-0446, 73.011-M-0447, 73.011-M-0448, 73.011-M-0449, 73.011-M-0450, 73.011-M-0451.

Uganda:

Unknown locality: **BMNH**: 1902.11.1.3, 1962.2045, 1962.2046, 1962.2047, 1962.2048, 1962.480, 1962.481, 1964.152, 1966.3603; **ZMA**: MAM.13017 - Arua: **ROM**: 39912 - Budongo Forest (014416N 313322E, 4000 ft): **LACM**: 19753, 19773, 19774 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 40118, 78076 - Bwamba Forest, Humia: **LACM**: 51683, 51684, 51685, 51686, 51687 - Bwamba Forest, Ntandi: **LACM**: 51680, 51681, 51682 - Haima, 28 mi S: **AMNH**: 82381 - Masindi (0141N 3145E): **USNM**: 237222 - Moyo (03 37 41 N 31 45 13 E, 889 m): **ROM**: 68684 - Murchison Falls (2.28333 N 32.00E, 3500 ft): **CAS**: 11908, 11909 - near Arua: **ROM**: 39371 - Ngongera, Bukedi, Pope Pious X Seminary: **ROM**: 63351, 63352, 63353, 63354 - no specific locality: **ZMB**: T10577 - Pope Pius X Seminary (00 46 N 34 02 E, 1071 m): **CAS**: 24603, 24604, 24605, 24606, 24607, 24608, 24609, 24610, 24611; **ZMA**: MAM.13014, MAM.13015, MAM.13016, MAM.13018 - Rhino Camp (0345N 3115E): **USNM**: 166597 - V.R.I. (ca. 0004N 3227E, 4000 ft): **AMNH**: 184229, 184230.

Zambia:

Unknown locality: **BMNH**: 1968.122, 1974.579 - Chilanga (15 33 00 S 28 17 00 E, 1220 m): **HNHM**: 76.152.1; **NMZL**: 3457, 3458 - Fort Jameson [= Chlpata] (13.62S 32.65E): **KM**: 9668 - Kabompo Boma (133600S 241200E, 1027 m): **NHMZ**: 8293 - Kalabo (14 58 S 22 41 E, 1019 m): **NHMZ**: 28143 - Lochinvar (15 55 S 27 15 E): **NMZL**: 2898, 2899, NH/20/2, NH/20/3 - Lufupa camp, around thatched buildings [site 6] (14.617350S 26.191700E): **NMZL**: ECJS-58/2008 - Nabwalia Village (1224S 3158E): **UZMZ**: 504 - Nansai Farm, Choma (16.62S 27.12E): **NHMZ**: 30904 - Sihole (1522S 2237E): **FMNH**: 95216, 95217 - Sikongo (1500S 2210E): **FMNH**: 95214, 95215.

Zimbabwe:

Unknown locality: **BMNH**: 1955.1062, 1961.1084 - Bulawayo Natural History Museum (20.13S 28.58E): **NHMZ**: 56962 - Bulawayo, Lakeside (20.13S 28.58E): **NHMZ**: 9825 - Chikwarakwara (22.35S 31.1E): **NHMZ**: 30715 - Chlredzi Research Station (21.02S 31.57E): **NHMZ**: 56967 - Chlshawasha (17.88S 31.13E): **SAMC**: 13752 - Denja Camp, Matetsi (18.38S 25.88E): **NHMZ**: 56198 - Dete (18.62S 26.85E): **NHMZ**: 56958 - Doddieburn Ranch (21.4S 29.35E): **NHMZ**: 79461 - Elrene Farm, Marondera (18.37S 31.62E): **NHMZ**: 56944 - Enyandeni (20.25S 28.5E): **NHMZ**: 30002 - Esigodini, Falcon College (20.22S 28.92E): **NHMZ**: 56337 - Fishans, Lower Runde R (21.25S 32.25E): **NHMZ**: 56936 - Gem Farm, Beitbridge (21.67S 29.62E): **NHMZ**: 56312 - Gonarezhou NP, Chipinda Pools (21.27S 31.9E): **NHMZ**: 56953 - GreatZimbabwe (20.28S 30.93E): **NHMZ**: 56951 - Harare (17.83S 31.07E): **NHMZ**: 56933 - Hillandale, Kwekwe (18.93S 29.82E): **NHMZ**: 60776 - Hwange NP, Bumbusle (18.5S 26.0E): **NHMZ**: 56963 - Hwange NP, Main Camp (18.73S 26.95E): **NHMZ**: 56961 - Hwange NR, Ngamo Pan (19.13S 27.47E): **NHMZ**: 56957 - Lake Kyle NR (20.17S 30.92E): **NHMZ**: 56959 - Le Rhone Lodge, Lake Kyle: **ROM**: 70823, 70824, 70825, 70826, 70827 - Mana Pools NR, Nyamepi (15.8S 29.37E): **NHMZ**: 56955 - Mrewa (17.5S 31.75E): **NHMZ**: 56937 - Mtshabezi Bridge (21.37S 29.62E): **NHMZ**: 59374 - Mushandike NR Matema Camp (20.12S 30.62E): **NHMZ**: 56971 - Sabi-Lundi [= Save-Runde] R Confluence (21.28S 32.38E): **NHMZ**: 56947, 56949 - Save-Lunde R Confluence, MarhumbinI (21.28S 32.38E): **NHMZ**: 31362 - Selous (18.0S 30.25E): **NHMZ**: 56945 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 59300 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 30859 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 77686 - Virginia Farm, Glendale (17.33S 31.05E): **NHMZ**: 56942, 56943.

Taphozous nudiventris Cretzschmar, 1830

"Africa":

Unknown locality: **MNHN**: ZM-MO-1999-922; **RBINS**: IG 1814; **RMCA**: 95.003-M-0057 - Mahi Adar des Ifothas: **ROM**: 39383.

Burkina Faso:

Unknown locality: **SMF**: 60932, 60933, 60934, 60935, 60936, 60937, 60938, 60939 - Tazawat (ca. 14 40 36 N 00 27 19W): **MNHN**: ZM-MO-1985-1647.

Cameroon:

Sir (10 33 00 N 13 41 00 E, 750 m): **RMCA**: 73.015-M-0627, 73.015-M-0628, 73.015-M-0629, 73.015-M-0630, 73.015-M-0631, 73.015-M-0632, 73.015-M-0633, 73.015-M-0634, 73.015-M-0635, 73.015-M-0636, 73.015-M-0637, 73.015-M-0728, 73.015-M-0729, 73.015-M-0730, 73.015-M-0731 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0638, 73.015-M-0639, 73.015-M-0640, 73.015-M-0641, 73.015-M-0642, 73.015-M-0643, 73.015-M-0644, 73.015-M-0645, 73.015-M-0646, 73.015-M-0647, 73.015-M-0648, 73.015-M-0649, 73.015-M-0650, 73.015-M-0651, 73.015-M-0652, 73.015-M-0653, 73.015-M-0654, 73.015-M-0655, 73.015-M-0656, 73.015-M-0657, 73.015-M-0658, 73.015-M-0659, 73.015-M-0660, 73.015-M-0661, 73.015-M-0662, 73.015-M-0663, 73.015-M-0664, 73.015-M-0665, 73.015-M-0666, 73.015-M-0667, 73.015-M-0668, 73.015-M-0732, 73.015-M-0733, 73.015-M-0734, 73.015-M-0735, 73.016-M-0331, 73.016-M-0332, 73.016-M-0333, 73.016-M-0334, 73.016-M-0335, 73.016-M-0336, 73.016-M-0337, 73.016-M-0338, 73.016-M-0339, 73.016-M-0340, 73.016-M-0341, 73.016-M-0342, 73.016-M-0497, 73.016-M-0498, 73.016-M-0499, 73.016-M-0500, 73.016-M-0501, 73.016-M-0502, 73.016-M-0503, 73.016-M-0504, 73.016-M-0505, 73.016-M-0506, 73.016-M-0507, 73.017-M-0374, 73.017-M-0375, 73.017-M-0376, 73.017-M-0377, 73.017-M-0378 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.016-M-0508.

Cape Verde:

Maio Island (15 15 N 23 10 W): **MNHN**: ZM-MO-1986-375, ZM-MO-1986-376 - Pedra Badejo (1508N 2333W): **MNHN**: ZM-MO-1986-377, ZM-MO-1986-378, ZM-MO-1986-379 - Santiago island, Trindade (1457N 2334W): **MNHN**: ZM-MO-1983-2229.

Congo (Democratic Republic of the):

Cel II (ca. 03 55 00 N 29 22 00 E): **RBINS**: 13542.

Djibouti:

Unknown locality: **MNHN**: ZM-MO-2000-551.

Egypt:

Unknown locality: **BMNH**: 1915.10.2.3, 1915.10.2.5, 1915.10.2.6, 1915.5.4.1; **FMNH**: 85657, 85658, 85659, 85660, 85661, 85662, 85663, 85664, 85665, 85666, 85667, 85668, 85669, 85670, 85671, 85672, 85673; **NMW**: 8522, 8523; **RMNH**: MAM.35963, MAM.35965, MAM.35967, MAM.35968; **USNM**: 312236, 312237, 312238, 312239, 312240, 312241, 312242, 312243, 312244, 312245, 312246, 312247, 312248, 312249, 312250, 312251, 312252; **ZMB**: 432, T09851, T09852 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 79096, 80735, 80736, 80737, 91405, 91406, 91407, 91408, 91409; **IVB**: E1, E10, E11, E12, E13, E15, E16, E17, E18, E2, E3, E4, E5, E6, E7, E8, E9; **MVZ**: 34185, 34186, 34187, 34188, 34189, 34215, 34216, 34217; **USNM**: 312232, 312233, 312234, 368683, 368684 - Al Bahariya (28 15 00 N 28 57 00 E): **NMP**: 94971, 94972, 94973 - Al Rashda (25 34 57 N 28 56 28 E, 104 m): **NMP**: 94974, 94975, 94976, 94977 - Gebel el Lahun (29 13 09 N 30 58 42 E, 5 m): **ZFMK**: 1995.0546, 1995.0547, 1995.0548 - Giza (30 00 29 N 031 12 39 E, 22 m): **SMF**: 4310 (Lectotype *Taphozous nudiventris*); **TTU**: 34781, 34782 - Giza Pyramid (29 59 N 31 08 E): **SMF**: 12080, 12282 - Giza Pyramid (2959N 3108E): **SMF**: 12081, 12283 - Giza Pyramids (29 58 N 31 07 E): **FMNH**: 74479, 79097, 80734; **USNM**: 312231, 312235 - Giza pyramids area (2959N 3108E): **FMNH**: 79206; **USNM**: 312230 - Giza, pyramids (29 58 N 31 07 E): **IVB**: E28; **MUB**: 1.1.108, 1.1.109; **NMP**: e20, e21 - Gizeh (30 00 29 N 31 12 39 E, 22 m): **CM**: 62342 - Gizeh (30 05 10 N 31 12 44 E, 17 m): **AMNH**: 27391 - Helonan [=Helouan, Helwan] (29 51 N 31 20 E, 71 m): **ZMB**: 15029, 15030 - Helwân (29 51 00 N 31 20 00 E, 71 m): **FMNH**: 143934, 143935, 143936, 143937, 143938, 143939, 143940, 143941 - Hierakopolis (29 05 21 N 30 56 28 E, 37 m): **RMCA**: a2.005-M-0001 - Karnak Great Temple (25 41 N 32 39 E): **IVB**: E21, E22, E23, E24, E25, E26, E27 - Kom O Shim (2934N 3055E): **FMNH**: 153511, 67567 - Lake Qarun, near (ca. 292829N 303955E): **FMNH**: 153512, 153513, 67568, 67569, 67570, 67571, 67572, 67573, 67574, 67575, 67576, 67577, 67578, 67579, 67580, 67581, 67582, 67583 - Maidum pyramids (29 22 24 N 031 10 20 E, 11 m): **ZFMK**: 1997.0260 - Queir: **SMNS**: 2926 - Saqqara (29 51 N 31 13 E, 19 m): **FMNH**: 77166, 77195, 77196, 77197; **USNM**: 300207, 300208, 300209, 300210; **YPM**: MAM 002817 - Shenhour (29 21 N 30 58 E): **RMCA**: a1.095-M-0001, a1.095-M-0002, a1.095-M-0003 - Sultan Mahmud Mosque (30 03 00 N 31 15 00 E): **IVB**: E29, E30, E31, E32, E33 - Thebes (25 41 59 N 32 34 55 E): **SAMA**: M4474 - Wadi el Qreiya (2620N 3246E): **FMNH**: 123182.

Ethiopia:

Abyssinia: **SMF**: 1313.

Ghana:

Unknown locality: **BMNH**: 1965.563 - Busunu (09 09 N 01 30 W, 145 m): **ROM**: 49076.

Kenya:

Unknown locality: **BMNH**: 1972.2430, 1975.2430 - El Molo Island (ca. 0251N 3642E): **ROM**: 78104, 78105, 78106 - Kampi Ya Samaki (003600N 360100E, 914 m): **ROM**: 68105, 68106 - Maungu Hill (320 m): **ROM**: 68091 - Voi, 30 km SE (0334S 3846E): **ROM**: 77516.

Niger:

Batrakum (16 25 N 07 15 E): **MNHN**: ZM-MO-1985-274.

Nigeria:

Unknown locality: **BMNH**: 1914.7.24.1, 1916.7.4.1, 1964.753.

Senegal:

Snake Island (14 39 13 N 17 28 16 W): **MNHN**: ZM-MO-1995-2678.

Somalia:

Unknown locality: **BMNH**: 1897.12.3.5, 1934.9.14.5.

South Sudan:

Lafon (0505N 3229E): **FMNH**: 67168, 67169 - Lafon (0505N 3229E, 610 m): **FMNH**: 79565, 79566, 79567.

Sudan:

Unknown locality: **BMNH**: 1903.2.7.38, 1903.2.7.38-41, 1903.2.7.39, 1903.2.7.40, 1903.2.7.41, 1928.3.11.10, 1928.3.11.11, 1928.3.11.8, 1928.3.11.9, 1937.8.6.2, 1937.8.6.3, 1948.326, 1976.1902 - Dongola (19 10 00 N 30 29 00 E, 217 m): **NMP**: 93668, 93669 - Jebel Aulia (15 14 28 N 32 29 59 E, 384 m): **ROM**: 84917 - Jebel el Azraq (15 47 29 N 32 27 35 E): **FMNH**: 81586 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **IVB**: S1; **ROM**: 77211; **SMF**: 21097, 21098, 21099, 21100, 21101, 21102, 21103, 21104, 21106, 21107, 21108, 21109, 21110, 21111, 21112, 21114, 21115, 21116, 21117, 21118, 21119 - Khartoum state: **ROM**: 62612; **SMF**: 78104, 78105, 78106, 78107, 78108, 78109, 78110, 78111, 78112 - Nubia (ca. 20 00 N 32 00 E): **MNHN**: ZM-MO-1999-921, ZM-MO-1999-930 - Omdurman (15 38 10 N 32 16 14 E, 390 m): **ROM**: 85256, 85257, 85258, 85259, 85260, 85261, 85262, 85263, 85264, 85265, 85266, 85267, 85268, 85269, 85270, 85271, 85272, 85273, 85274, 85275, 85276, 85277, 85278, 85279, 85280, 85281, 85282, 85283, 85284,

85285, 85286, 85287, 85288, 85289, 85290, 85291, 85292, 85293, 85294, 85295, 85296, 85297, 85298, 85299, 85300, 85301, 85302, 85303, 85304, 85305, 85306, 85307, 85308 - Wad Medani (14 24 N 33 32 E, 414 m): **FMNH**: 66614, 85445; **USNM**: 368880.

Tanzania:

Unknown locality: **BMNH**: 1924.1.1.11, 1924.1.1.12, 1924.1.1.13, 1924.1.1.14 - Muansa [=Mwanza] (02 31 S 32 54 E, 1209 m): **MCZ**: 22798, 22799.

The Gambia:

Unknown locality: **BMNH**: 1866.1.10.1.

Togo:

Péwa (09 17 00 N 01 14 00 E, 618 m): **USNM**: 437600, 437601, 437602, 437603, 437604, 437605, 437606, 437607.

Uganda:

Unknown locality: **BMNH**: 1936.11.4.8.

Taphozous perforatus E. Geoffroy St.-Hilaire, 1818

"Africa":

Unknown locality: **MNHN**: ZM-MO-1903-44AC, ZM-MO-1999-923, ZM-MO-1999-924, ZM-MO-1999-925, ZM-MO-1999-926, ZM-MO-1999-927, ZM-MO-2001-507; **ZMA**: MAM.26210, MAM.26211, MAM.26234, MAM.26235, MAM.26236, MAM.26237, MAM.26238, MAM.26239, MAM.26240, MAM.26241, MAM.26242, MAM.26243 - Northeastern Africa: **ZMB**: 85664.

Botswana:

Savuti R. (18.62S 24.12E): **NHMZ**: 63759.

Burkina Faso:

Unknown locality: **SMF**: 60921, 60922, 60923, 60924, 60925, 60926, 60927, 60928, 60929, 60930, 60931 - Barga, 9 km NE (13 51 N 02 12 W): **RMCA**: 97.077-M-3172, 97.077-M-3173.

Cameroon:

Yabassi (04 27 16 N 09 57 56 E, 16 m): **RMCA**: 73.029-M-0094.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 27919, 27920, 27921, 27922, 27923 - Bamongwa (04 21 00 N 29 27 00 E): **RMCA**: 36843, 36844 - Defrenne cave (10 58 00 S 26 39 00 E): **RMCA**: 22487, 22488, 22602, 22603, 22604, 22605, 22606, 22607, 22608, 22609, 22610, 22611, 22612, 22613, 22614, 27898 - Dungu (03 37 00 N 28 34 00 E, 669 m): **RMCA**: 12395 - Kasongo (04 27 00 S 26 40 00 E, 625 m): **RMCA**: 29209 - Kasowena cave (10 58 00 S 26 39 00 E): **RMCA**: 34002, 34003, 34004, 34005, 34006 - Ndelele (04 22 00 N 29 47 00 E, 900 m): **RBINS**: 13535; **RMCA**: 36845, 36846, 36847 - Pempere cave (10 58 00 S 26 47 00 E): **RMCA**: 26707, 26708, 26709, 26710, 27587, 27588, 27589, 27590; **SMF**: 18944, 18945, 21298.

Djibouti:

Ambouli State Gardens (11 34 10 N 43 08 12 E): **MNHN**: ZM-MO-2000-550.

Egypt:

Unknown locality: **BMNH**: 1892.7.1.3, 1892.9.9.26, 1892.9.9.27, 1892.9.9.33, 1903.12.8.24, 1903.2.7.5, 1904.11.3.5, 1904.11.3.6, 1904.11.3.7, 1904.11.3.8, 1904.11.3.9, 1971.1476_01, 1971.1476_02, 1971.1476_03, 1971.1476_04, 1971.1476_05, 1971.1476_06, 1971.1476_07, 1971.1476_08, 1971.1476_09, 1971.1476_10, 1971.1476_11, 1971.1476_12, 1971.1476_13, 1971.1476_14, 1971.1476_15; **SMF**: 12078, 12079, 12285, 77903, 77904, 77905; **ZMB**: 572, T09853, T09870, T09871, T10088 - Abu Roash (30 02 44 N 31 05 33 E, 6 m): **SMF**: 23790, 23791, 23792, 23793 - Cairo, 20 km S (ca. 30 03 N 31 15 E): **ZMB**: 2507 - Kom Ombo (2428N 3256E): **MNHN**: A.372 (Holotype *Taphozous perforatus*) - Luxor, near (ca. 25 41 N 32 39 E): **WAM**: M23232, M23233 - no specific locality: **ZMB**: 15025, 15026.

Ethiopia:

Unknown locality: **BMNH**: 1970.420, 1970.421, 1970.422, 1970.423, 1970.424, 1970.425, 1970.426, 1970.427, 1970.437, 1970.438, 1970.441, 1970.442, 1971.643, 1972.4309, 1976.1900_1, 1976.1900_2, 1976.802_1, 1976.802_2 - Awash river: **HNHM**: 95.89.179, 95.89.180, 95.89.181, 95.89.182, 95.89.183, 95.89.184, 96.1.1, 96.1.2, 96.1.3, 96.1.4, 96.1.5, 96.1.6 - Illala Sala, Awash-NP (0850N 4001E): **HNHM**: 96.1.10, 96.1.11, 96.1.7, 96.1.8, 96.1.9 - Lake Langano (07 36 00 N 38 43 00 E): **SMF**: 45731.

Ghana:

Unknown locality: **BMNH**: 1965.564 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **AMNH**: 233872, 233873, 233874.

Kenya:

Central island (03 30 N 36 02 E, 381 m): **WNMU**: 369 - Chanler Falls [=Chandler's Falls] (0047N 3805E): **BMNH**: 1912.7.1.46 (Holotype *Taphozous perforatus hædinus*) - Lamu Island, Southeast Coast (ca. 02 16 49 S 40 51 29 E): **MCZ**: 31847, 31849, 31850, 31851, 31852, 31853, 31854, 31874, 31875, 31876, 31878 - Murka Mine (03 22 00 S 37 56 00 E, 610 m): **WAM**: M23798.

Mauritania:

Aleg post office (17 02 53 N 13 55 15 W, 43 m): **MNHN**: ZM-MO-1985-1682.

Niger:

I-N-Gall (16 47 10 N 06 56 10 E, 456 m): **RMCA**: 73.041-M-0062, 73.041-M-0063, 73.041-M-0064, 73.041-M-0065, 73.041-M-0066, 73.041-M-0067, 73.041-M-0068, 73.041-M-0069, 73.041-M-0070, 73.041-M-0127 - Tapoa, 29 km S (ca. 12 11 N 02 20 E): **BRTC**: 27844, 27845, 27846.

Nigeria:

Unknown locality: **BMNH**: 1961.1807, 1961.1808.

Senegal:

Unknown locality: **BMNH**: 1919.7.7.3843 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1995-1811 - Lagbar, 10 km SE (15 45 N 14 45 W): **MNHN**: ZM-MO-1995-1807, ZM-MO-1995-1810, ZM-MO-1995-1812, ZM-MO-1995-1814, ZM-MO-1995-1873 - Richard Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1984-1275, ZM-MO-1984-1276 - Sénégal River: **MNHN**: ZM-MO-1879-1671, ZM-MO-1879-1672, ZM-MO-1879-1673, ZM-MO-1879-1674, ZM-MO-1879-1675 - Yonofere (15 15 57 N 14 27 40 W, 15 m): **MNHN**: ZM-MO-1995-1808, ZM-MO-1995-1809.

South Africa:

Ingwavuma, Border Cave (27 01 13 S 31 59 18 E, 527 m): **DNSM**: 13366, 13367.

South Sudan:

Imurok (041846N 322328E, 914 m): **FMNH**: 77610, 77611, 77612, 77613, 77614, 77715, 77716, 77717, 77718 - Katuluru (0425N 3217E): **FMNH**: 78174 - Lafon (0505N 3229E, 549 m): **FMNH**: 67309 - Lawudo (0425N 3234E): **FMNH**: 77713, 77714 - Lofi (041422N 325922E, 610 m): **FMNH**: 78175, 78176, 78177, 78491, 78492, 78493 - Longairo (040225N 325920E, 1478 m): **FMNH**: 68085 - Nimule (0335N 3203E, 1219 m): **FMNH**: 67863, 67864, 67865, 67966, 67967, 67968, 67969, 67970, 67971, 67972, 67973, 67974, 67975, 68086, 68087, 68088, 68089, 68090, 68091, 68092, 68172, 68173, 79597, 79598 - Okaru (042929N 321009E, 853 m): **FMNH**: 68174 - Okaru (042929N 321009E, 911 m): **FMNH**: 68084, 68099, 68100, 68101, 68102, 68103 - Sunnat (041925N 324756E, 762 m): **FMNH**: 67163, 67164 - Sunnat (041925N 324756E, 914 m): **FMNH**: 67165, 67166, 67167, 67466, 67467, 67468, 67469, 67470, 67471, 67472, 67473, 67474, 67475, 67476, 67477, 67478, 67479, 67480, 67481, 67482, 67483, 67484, 67485 - Yirol (063324N 303013E, 438 m): **FMNH**: 67862 - Yirol District (ca. 0633N 3030E, 3000 ft): **AMNH**: 184458.

Sudan:

Unknown locality: **BMNH**: 1901.5.5.7, 1901.5.5.8, 1903.2.8.4, 1903.2.8.5, 1903.2.8.6, 1920.11.9.1, 1920.11.9.2, 1920.11.9.3, 1922.5.15.5, 1922.5.15.6, 1922.5.15.7, 1933.10.14.1 - Djebel Zeraf [=Zeraf Jebel] (1549N 3110E): **ZMB**: 42426 - Jebel Toro (10 42 N 30 01 E): **SMF**: 33105, 33106, 33107 - Jebelein (12 35 25 N 32 48 03 E, 380 m): **AMNH**: 82239, 82240, 82342 - Kadugli (11 00 N 29 43 E): **SMF**: 33108, 33109, 33110, 33111, 33112, 33113, 33114 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **SMF**: 21120 - Tadoro (10 41 26 N 30 01 13E, 650 m): **SMF**: 33102, 33103, 33104 - Telaweit (1524N 3625E): **FMNH**: 105579.

Tanzania:

Arusha region: **SMF**: 69215.

Togo:

no specific locality: **BMNH**: 1956.466.

Uganda:

Nimule (033600N 320300E, 743 m): **AMNH**: 184493, 184494 - Sukulu Hill: **NMK**: 544, 545.

Zambia:

Kilwa Island: **HNHM**: 76.153.1 - Kilwa Island (091600S 282700E): **HZM**: 44.8597.

Zimbabwe:

Chiribira Falls (21 12 S 32 18 E): **NHMZ**: 56984 - Limpopo-Shashi R Confluence (22.22S 29.37E): **NHMZ**: 9934 - Matobo NR, Whitewaters Dam (20.58S 28.47E): **NHMZ**: 56977 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 29962 - Shashi Rocks (19.6S 30.8E): **NHMZ**: 56985.

Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818

Burkina Faso:

Barga, 9 km NE (13 51 N 02 12 W): **USNM**: 452751, 452752, 452753, 452754, 452755, 452756, 452757, 452758, 452759, 452760, 452761, 452762, 452763, 452764, 452765, 452766, 452767, 452768, 452769, 452770, 452771, 452772, 452773 - Dio (1320N 0238W): **USNM**: 452750 - Gorgadji, 17 km E (1402N 0022W): **USNM**: 452743, 452744, 452745, 452746, 452747, 452748, 452749 - Tatarko (1329N 0020W): **USNM**: 452742.

Egypt:

Unknown locality: **FMNH**: 85674, 85675, 85676, 85677, 85678, 85679, 85680, 85681, 85682, 85683, 85684, 85685, 85686, 85687, 85688, 85689, 85690, 85691, 85692, 85693, 85694, 85695, 85696, 85697, 85698, 85699, 85700, 85701, 85702, 85703; **OMNH**: 11148, 11149, 11150, 11151; **RMNH**: MAM.35960, MAM.35961; **USNM**: 312285, 312286, 312287, 312288, 312289, 312290, 312291, 312292, 312293, 312294, 312295, 312296, 312297, 312298, 312299, 312300, 312301, 312302, 312303, 312304, 312305, 312306, 312307, 312308, 312309, 312310, 312311, 312312, 312313, 312314 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 67545, 67546, 67547, 67548, 67549, 67550, 67551, 67552, 67553, 67554, 67555, 67556, 67557, 91404, 91644; **MVZ**: 107716; **USNM**: 282463, 282464, 282465, 282466, 282467, 282468, 282469, 282470, 282471, 282472, 282473, 282474, 282475, 283281, 300199, 300200, 312253, 312254, 312255, 312256, 312257, 312258, 312259, 312260, 312261, 312262, 312263, 312264, 368685 - Faiyoum (291828N 305024E, 39 m): **OMNH**: 11129, 11130, 11131, 11132, 11133, 11134, 11135, 11136, 11137, 11138, 11139 - Fayoum, caves (291828N 305024E, 39 m): **USNM**: 300196, 300197, 300198 - Giza pyramid, 2 km from (2958N 3107E): **FMNH**: 67558, 67559, 67560, 67561, 67562, 67563, 67564, 67565, 67566; **USNM**: 312265, 312266, 312267, 312268, 312269, 312270, 312271, 312272, 312273, 312274 - Giza Pyramids (29 58 N 31 07 E): **OMNH**: 11115, 11116, 11117, 11118, 11119, 11120, 11121, 11122, 11123; **USNM**: 282462, 300201, 300202, 300203, 300204, 300205, 300206 - Gizeh (30 05 10 N 31 12 44 E, 17 m): **FMNH**: 89809, 89810, 89811, 89812, 89813, 89814; **OMNH**: 11140, 11141, 11142, 11143, 11144, 11145, 11146, 11147 - Luxor (25 41 N 32 39 E, 76 m): **FMNH**: 47786, 47787, 47788, 47789, 47790, 47791, 47792 - Luxor, near: **FMNH**: 49046, 49047, 49048, 49049, 49050, 49051, 49052, 49053, 49054, 49055, 49063, 49064, 49065, 49066, 49067, 49068, 49069, 49070, 49071, 49072, 49073, 49074, 49075, 49076, 49077, 49078, 49079, 49080, 49081, 49082, 49083, 49084 - Nile: **USNM**: 5495 - Saqqara (29 51 N 31 13 E, 19 m): **FMNH**: 77167, 77168, 77169, 77170, 77171, 77172, 77173, 77174, 77175, 77176, 77177, 77178, 77179, 77180, 77181, 77182, 77183, 77184, 77185, 77186, 77187, 77188, 77189, 77190, 77191, 77192, 77193, 77194, 77198, 79196, 79197, 79198, 79199, 79200, 79201, 79202, 79203, 79204, 79205; **OMNH**: 11124, 11125, 11126, 11127, 11128; **USNM**: 312275, 312276, 312277, 312278, 312279, 312280, 312281, 312282, 312283, 312284 - Wadi el Natroun (3024N 3018E): **FMNH**: 80738, 80739, 80740, 80741, 80742, 80743, 80744, 80745, 80746, 80747; **USNM**: 297734, 297735, 297736, 297737, 297738.

Ethiopia:

Gambela (08 15 N 34 35 E, 514 m): **USNM**: 462725.

Ghana:

Doyum (05 54 N 00 01 E, 46 m): **ROM**: 60195, 60196 - Krobo mountain (0605N 0003E): **USNM**: 411843, 411844, 411845, 411846, 411847, 411848 - Shai Hills (05 54 30 N 00 03 41 E): **ROM**: 55152, 55154, 55155, 55156 - Somanya, 3.2 km E (06 06 N 00 01 W): **ROM**: 55161 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **ROM**: 52039, 52040, 52041, 52042, 52043, 52044.

Kenya:

Gibraltar island (0036N 3604E, 3000 ft): **ROM**: 36278, 36279, 36280, 36281 - Kilifi (0338S 3951E, 61 m): **ROM**: 73240, 73241 - Kilifi Creek, head of (0335S 3947E): **ROM**: 38414, 38415, 38416, 38417, 38418, 38419, 38420, 38421, 38422, 38423, 38424, 38425 - Kipini (023131S 403146E, 0 m): **ROM**: 71242, 71243, 71244, 71245, 71249 - Lamu town, NW of (ca. 02 16 42 S 40 54 12 E, 1 m): **MSU**: MR.33427, MR.33428, MR.33429, MR.33430, MR.33431 - Matondoni (02 15

54 S 40 50 17 E): **MSU**: MR.33575, MR.33576 - Murka mine (0322S 3756E): **ROM**: 36271, 36272, 36273, 36274, 36275, 36276, 36277, 78099, 78100 - Murka Mine (0322S 3756E, 610 m): **FMNH**: 153078, 153079, 153080, 153081, 153082, 153083, 153084, 153085 - Shimoni (04 38 50 S 39 23 00 E, 0 m): **ROM**: 45946.

Mauritania:

Boghé, 8 km N (16 39 N 14 17 W): **USNM**: 401331.

Niger:

Tapoa, 29 km S (ca. 12 11 N 02 20 E): **UCM**: 15188; **USNM**: 462779.

Nigeria:

Sokoto (1302N 0516E): **BMNH**: 1967.1226 (Holotype *Taphozous perforatus swirae*) - Tangaza (1322N 0456E): **USNM**: 402607, 402608, 402609, 402610, 402611, 402612, 402613, 402614, 402615, 402616, 402617, 402618, 402619, 402620, 402621, 402622.

Senegal:

Unknown locality: **MNHN**: ZM-AC-A6804 - Cascas (16 22 43 N 14 03 22 W, 13 m): **USNM**: 377864, 377865, 377866, 377867, 377868, 377869, 377870, 377871, 377872, 377873, 377874, 377875, 377876, 377877, 377878 - Kaolack, 6 km E (1411N 1615W): **USNM**: 376184, 376185, 376186, 376187, 376188, 376189, 376190, 376191, 376192, 376193, 376194, 376195, 376196, 376197, 376198, 376199, 376200, 376201, 376202, 376203, 376204, 376205, 376206.

South Sudan:

Kotokeinyang (041307N 324750E): **USNM**: 368870, 368871, 368872, 368873, 368874, 368875 - Sunnat (041925N 324756E): **USNM**: 368876, 368877, 368878, 368879.

Sudan:

Dongola (191000N 302900E, 217 m): **ROM**: 62608 - Kerma (193800N 302500E, 227 m): **MCZ**: 14889 - Nuba mountains (1200N 3045E): **ROM**: 62616, 62619, 62621, 62625, 62633 - Old Dongola (1813N 3045E, 274 m): **ROM**: 77205, 77206, 77207 - Sennar (13 33 N 33 38 E, 390 m): **MNHN**: ZM-AC-A6830 - Shendy (16 41 29 N 33 26 03 E, 376 m): **USNM**: 123413 - Wad Medani (14 24 N 33 32 E, 414 m): **ROM**: 77208.

Tanzania:

Kalilani village (0612S 2957E, 785 m): **FMNH**: 177755, 177756, 177757, 177848, 177849, 177850, 177851, 177852, 177853, 177854, 177855.

Uganda:

Sukuli Hills (0040N 3410E): **ROM**: 60127, 60128, 60129, 60130, 63266, 63267, 63268, 63269, 63270, 63271, 63272, 63273, 63274, 63275, 63276, 63277, 63278, 63320, 63321, 63322, 63323, 63324, 63325, 63326, 63327, 63344, 63345, 63346, 63347, 63348, 63349, 63350, 63424, 63425, 63426.

Taphozous perforatus sudani Thomas, 1915

Congo (Democratic Republic of the):

Bamangwa (04 20 N 29 27 E, 901 m): **RBINS**: 13539.1, 13539.2, 13539.3 - Biadimbi (04 13 00 N 29 21 00 E): **RBINS**: 13538 - Defrenne cave (10 58 00 S 26 39 00 E): **MHNG**: 1046.096 - Dungu (03 37 00 N 28 34 00 E, 669 m): **AMNH**: 48816, 48817, 49251, 49348, 49354, 49356, 49357, 49358; **FMNH**: 43874, 43875; **MCZ**: 17225 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 14631 - Ndelele (04 22 00 N 29 47 00 E, 900 m): **RBINS**: 13540.1, 13540.2, 13541 - Pempéré cave (10 58 00 S 26 47 00 E): **MHNG**: 1046.030, 1046.031; **RBINS**: 14512 - Pimpin cave (105800S 264700E): **BMNH**: 1959.506, 1959.507.

South Sudan:

Mongalla: **BMNH**: 1902.7.4.2 (Holotype *Taphozous Sudani*).

Tanzania:

Igala (09 16 S 33 19 E, 1690 m): **MCZ**: 26724.

Uganda:

Nimule (033600N 320300E, 743 m): **AMNH**: 184456, 184457, 184495.

NYCTERIDAE Van der Hoeven, 1855

"Africa":

Unknown locality: **RMCA**: b2.018-M-0266.

Nycteris G. Cuvier and E. Geoffroy, 1795

"Africa":

Unknown locality: **MNHN**: ZM-MO-1880-244AC; **RMNH**: MAM.15791; **TM**: 38689, 42509, 42510, 42511, 42512, 42617, 42659, 42661, 42662, 42663, 42664, 42665, 42667, 42668, 42669, 42670, 42671, 42672, 42673, 42674, 42675, 42700, 42708, 42710, 42810B, 42822, 42823, 42824, 42825, 42827B, 42831, 42834; **YPM**: MAM 005845, MAM 005846, MAM 005847, MAM 005849.

Angola:

Canzele (08.38S 15.13E): **FMNH**: 81690 - Luhanda (0913S 1705E): **FMNH**: 81691.

Chad:

Kosakobo: **AMNH**: 165826.

Congo:

Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: ZM-MO-1985-313 - Mossake (011251S 164739E): **FMNH**: 73864.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 23306 - Kateke (09 04 S 26 43 E): **RBINS**: 10687, 10688, 10689 - Musisi Swamp area (02 00 S 28 45 E): **FMNH**: 189123 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: W3.1.

Egypt:

Unknown locality: **BMNH**: 1897.12.3.1, 1908.11.5.2, 1908.11.5.3, 1989.51 - Gizeh (30 05 10 N 31 12 44 E, 17 m): **OMNH**: 11104, 11105 - Wadi Netroon: **OMNH**: 11086, 11087, 11088, 11089, 11090, 11091, 11092, 11093, 11094, 11095, 11096, 11097, 11098, 11099, 11100, 11101, 11102, 11103.

Ethiopia:

Unknown locality: **BMNH**: 1959.638, 1970.443, 1970.444 - Bahadu (10 11 35 N 40 37 08 E): **USNM**: 589150 - Gondar (123600N 372800E, 2132 m): **MNHN**: ZM-MO-1984-1335.

Gabon:

Bengoué (00 58 S 09 11 E, 0 m): **ZMA**: MAM.19323 - Estuaire Province: **CM**: 90794 - Ogooue-Maritime province: **FMNH**: 73825.

Kenya:

Unknown locality: **BMNH**: 1901.5.1.14, 1910.9.23.3, 1910.9.23.6, 1911.12.8.5, 1911.12.8.54; **RMNH**: MAM.52231, MAM.52232, MAM.52233, MAM.52234, MAM.52235, MAM.52236, MAM.52237, MAM.52238, MAM.52239, MAM.52240, MAM.52241, MAM.52242, MAM.52243, MAM.52244, MAM.52245, MAM.52246, MAM.52247, MAM.52248, MAM.52249, MAM.52250, MAM.52251, MAM.52252, MAM.52253, MAM.52254, MAM.52255, MAM.52256, MAM.52257, MAM.52258, MAM.52259, MAM.52260, MAM.52261, MAM.52262; **ROM**: 45564; **YPM**: MAM 005598, MAM 005599, MAM 005600, MAM 005601 - Kakamega forest station (0014N 3452E): **FMNH**: 152517 - Kilifi, 5 mi W (0337S 3945E): **YPM**: MAM 003427, MAM 003428, MAM 003429, MAM 003430, MAM 003431, MAM 003432, MAM 003433, MAM 003434, MAM 003435, MAM 003436, MAM 003437, MAM 003438, MAM 003439, MAM 003440 - Ngore Ngore (0102S 3530E, 1932 m): **MSU**: MR.11563.

Namibia:

Unknown locality: **TM**: 42660 - Arnhem, 80 km E (2241S 1808E): **TM**: 42701, 42702, 42706, 42707, 42709 - Kako, Otavi (1930S 1720E): **TM**: 42499 - Poppa rapids (1818S 1340E): **TM**: 42500.

Nigeria:

Unknown locality: **BMNH**: 1978.2431.

Senegal:

Diabane (1233N 1605W): **FMNH**: 128206, 128207, 128208.

Somalia:

Burao (0931N 4533E): **MCZ**: 45393.

South Africa:

Unknown locality: **TM**: 42828.

South Sudan:

Andari Payam, Bangangai Game Reserve (04 52 39 N 27 40 34 E): **USNM**: 586860 - Andari Payam, Bangangai Game Reserve, location 7 (04 52 28 N 27 40 53 E, 694 m): **USNM**: 586765, 586774 - Andari Payam, Bangangai Game Reserve, location 8 (04 52 52 N 27 40 04 E): **USNM**: 586778, 586779, 586780, 586781 - Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586783, 586785, 586786, 586815, 586851 - Bangangai Game Reserve, Location 2 (04 54 06 N 27 42 35 E, 673 m): **USNM**: 587218, 587222 - Bangangai Game Reserve, location 4 (04 53 43 N 27 42 44 E, 685 m): **USNM**: 587231, 587238 - Bangangai Game Reserve, location 5 (04 54 02 N 27 41 58 E, 691 m): **USNM**: 587246 - Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586768 - Kangapo One Payam (03 49 59 N 31 41 05 E, 954 m): **USNM**: 587713, 587714, 587715 - Kangapo Two Payam (03 43 45 N 31 34 17 E, 769 m): **USNM**: 587736, 587737, 587738 - Kijiri Village (03 45 00 N 31 35 00 E, 897 m): **USNM**: 587746 - Kombi stream, behind Reeder compound (03 55 58 N 31 36 17 E, 950 m): **USNM**: 587711 - Kungupuri (Bekat) Stream (03 52 47 N 31 38 42 E, 931 m): **USNM**: 586963 - Lorini stream (03 55 08 N 31 38 38 E, 936 m): **USNM**: 587743 - Melut (10 26 00 N 32 12 00 E, 362 m): **SAMA**: M4469 - Mogiri Hill, NE of Town (03 56 56 N 31 36 19 E, 953 m): **USNM**: 587043 - Mogiri, Reeder Family Compound (03 56 09 N 31 36 29 E, 1024 m): **USNM**: 587133.

Sudan:

Unknown locality: **BMNH**: 1966.5628, 1966.5629.

Tanzania:

Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22281 - Chake Chake (0515S 3946E, 1 m): **MCZ**: 49155 - Karema (ca. 0649S 3026E): **FMNH**: 86675 - Kigwembinbi (0748S 3548E, 1600 m): **FMNH**: 182483 - Kihansi Gorge (4.7542S 38.8028E, 450 m): **FMNH**: 163378 - Mgambo Forest Reserve (0445S 3848E, 400 m): **FMNH**: 163392, 163393, 163394, 163395 - Mount Usambara (044500S 383000E): **MNHN**: ZM-MO-1897-1524 - Nyegezi (02 31 27 S 32 53 25 E): **ZMA**: MAM.23314 - Ol Donyo Sambu (04 06 S 36 21 E, 1829 m): **FMNH**: 86591, 86592, 86593 - Ukami Forest Reserve (0753S 3623E): **FMNH**: 182683 - Uluguru Mts, Uluguru North Forest Reserve (065500S 374200E, 1345 m): **FMNH**: 158488, 158489, 158490.

Uganda:

E.A.T.R.O. Field Station (0012N 3354E): **CAS**: 24572, 24573 - Mweya (00 14 27 S 29 55 08 E, 3000 ft): **MCZ**: 48914, 48915 - Ngogo (00 30 22 N 30 25 34 E): **FMNH**: 224103, 224104.

Zambia:

Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33451, 33452.

Zimbabwe:

Unknown locality: **BMNH**: 1955.2 - Birchenough Bridge (1954S 3214E): **TM**: 42819.

Nycteris arge Thomas, 1903

"Africa":

Unknown locality: **MNHN**: ZM-MO-1985-562.

Angola:

Canzele (08.38S 15.13E): **FMNH**: 81618 - Dundo (0722S 2050E, 726m): **MDL**: 5206b - Dundo (0724S 2047E, 726m): **FMNH**: 66466.

Burkina Faso:

Natiaboani (11 41 57 N 00 30 22 E, 268 m): **RMCA**: 97.077-M-3166 - Tatarko (13 29 00 N 00 02 00 W): **RMCA**: 97.077-M-3163.

Burundi:

Ruhinga Hill (0355S 2935E, 2170 m): **FMNH**: 155972 - Vumbi (02 41 56 S 30 06 13 E, 1788 m): **RMCA**: 81.012-M-0039, 81.012-M-0040.

Cameroon:

Unknown locality: **BMNH**: 1989.695, 1989.696, 1989.697, 1989.698, 1989.699, 1989.700; **RMCA**: 76.014-M-0045 - Bashauo (0610N 0930E): **BMNH**: 1948.624, 1948.625, 1948.626, 1948.627, 1948.628 - Besogabang (0544N 0917E): **BMNH**: 1948.617, 1948.618, 1948.619, 1948.620 - Bimbia (03 57 16 N 09 14 42 E, 98 m): **BMNH**: 1966.3553 - Bipindi,

Kribi, Bez (0306N 1030E): **ZMB**: 53848 - Bitye (03 01 00 N 12 22 00 E, 616 m): **RMCA**: 1476 - Bitye (0313N 1222E): **BMNH**: 1908.6.23.3, 1914.7.23.7, 1923.1.22.17; **ZMB**: 33342 - Campo (02 22 00 N 09 49 00 E, 0 m): **MNHN**: ZM-MO-1993-4652 - Chop farm (0415N 0919E): **ROM**: 58366, 58367 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **MCZ**: 14851, 14860, 14862 - Edéa (0348N 1014E): **FMNH**: 24245 - Efulén (02 47 00 N 10 32 00 E, 421 m): **BMNH**: 1904.2.8.2 (Holotype *Nycteris arge*), 1904.2.8.3 - Eséka, 15 km SW (ca. 0340N 1045E): **AMNH**: 236295 - Eshobi (0547N 0923E): **BMNH**: 1948.621, 1948.622 - Kribi (0258N 0955E): **MHNG**: 1626.003 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55639, 55640 - Kumba, 19 km S (0438N 0925E): **USNM**: 511912 - Limbe (04 00 46 N 09 13 13 E, 136 m): **BMNH**: 1967.1731 - Lomié district (ca. 03 10 N 13 37 E): **BMNH**: 1937.8.4.13 - Malende swamp area (0419N 0925E): **ROM**: 68885, 68887, 68889, 68890, 68891, 68892, 68893, 68896 - Malende Swamp area (0420N 0926E): **ROM**: 68886, 68888, 68894, 68895; **SMNS**: 6569; **ZFMK**: 1961.0648, 1961.0649, 1973.0193 - Mamfe (05 46 00 N 09 17 00 E, 459 m): **BMNH**: 1948.629 - Mangamba (0530N 0900E): **ROM**: 68919 - Metet (0326N 1143E): **MCZ**: 14859 - Meyo Nkoulou (02 16 00 N 11 02 00 E): **RMCA**: 73.018-M-0148, 73.018-M-0149 - Miéri (04 15 00 N 13 59 00 E, 611 m): **RMCA**: 76.014-M-0080 - Mobange-Isongo (0450N 0900E, 0 m): **SMNS**: 3449, 5588, 5589 - Tisongo, Lake (0325N 0954E): **USNM**: 511913, 511914, 511915.

Central African Republic:

Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268366, 268367 - Salo (031200N 160700E, 365 m): **AMNH**: 170179, 170181.

Congo (Democratic Republic of the):

Unknown locality: **MCZ**: 48241, 48242, 48244; **RMCA**: 27435 - Abialosa river (00 42 N 29 41 E, 800 m): **INPBC**: V1289 - Aka river (04 30 00 N 29 40 00 E): **RBINS**: 13547 - Aka-Inimvua confluence (04 35 00 N 29 42 00 E): **RBINS**: 13546; **RMCA**: 36556, 36557 - Alima (00 35 00 N 29 18 00 E): **RMCA**: 28155a - Amangundu (00 45 00 N 29 48 00 E, 700 m): **INPBC**: V1294 - Amatupi river (00 45 00 N 29 49 00 E, 700 m): **INPBC**: V1291.1, V1291.2 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 49133, 49136, 49137, 49140, 49371; **RMCA**: 12443 - Banalia (01 33 00 N 25 20 00 E, 432 m): **MCZ**: 38010 - Beni (00 30 00 N 29 28 00 E, 853 m): **BMNH**: 1906.12.4.61, 1906.12.4.62 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 15950, 75.035-M-0028 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 20546, 21409, 21410, 23243, 23244 - Bomane (01 18 N 23 47 E, 429 m): **UNIKIS**: CRT2221 - Buluku river (04 33 00N 29 49 00 E): **RMCA**: 36558 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 13856, 13857, 13858, 9485 - Bwandza (02 36 56 N 21 44 32 E): **MHNG**: 1870.092 - Bwirina (00 39 N 29 43 E, 900 m): **INPBC**: V1661.1, V1661.2, V1661.3 - Djamba (02 53 00 N 24 02 00 E, 419 m): **RMCA**: 8874 - Djelube river, middle (00 31 00 S 29 44 00 E, 1100 m): **INPBC**: V1078.1, V1078.2 - Dumma river, middle (00 42 00 N 29 41 00 E, 800 m): **INPBC**: V1279 - Epulu (012345N 283440E, 750 m): **FMNH**: 138137, 149405 - Equateur (former) province: **SMF**: 84410 - Equateur province: **MCZ**: 48238, 48243; **RMCA**: 80.034-M-0001 - Geology House (03 08 18.24 N 29 35 00.6 E): **TM**: DBA001 - Gumba (02 57 00 N 21 26 00 E, 412 m): **RMCA**: 14263b - Ibembo (0238N 2337E, 420 m): **BMNH**: 1954.791, 1954.792; **RMCA**: 19632 - Ikela (011100S 231600E, 425 m): **RMCA**: 25830, 27020 - Imbonga (00 43 00 S 19 46 00 E, 364 m): **RMCA**: 87.043-M-0003 - Inangongo (00 33 00 N 29 41 00 E, 800 m): **INPBC**: V1095.1 - Irangi (0154S 2827E): **BMNH**: 1962.1851, 1962.1852; **RMCA**: 28380; **SMF**: 65029, 78331 - Irsac labo (021424S 284750E, 5400 ft): **ZFMK**: 1964.1318, 1964.1319, 1964.1320 - Irumu (01 27 00 N 29 52 00 E, 1280 m): **FMNH**: 26238 - Isai River (01 24 N 28 04 E): **HZM**: 2.7845 - Ituri Forest (01 00 00 N 29 16 00 E): **BMNH**: 1907.1.2.12, 1930.11.11.84, 1930.11.11.85, 1930.11.11.86, 1930.11.11.87 - Kasende (05 56 56 S 22 32 18 E, 619 m): **MCZ**: 31739 - Kawa (forest) (0134N 3032E, 753 m): **BMNH**: 1953.480; **RBINS**: 21663 - Keri river (01 29 S 18 58 E): **BMNH**: 1927.3.1.18 - Kiamokoto (0910S 2704E, 900 m): **RBINS**: 10838 - Kilembe, 52 mi [=84 km] S (05 47 00 S 19 54 00 E): **CAS**: 12488, 12521 - Kilo [mines] (0149N 3014E, 1466m): **RMCA**: 16200 - Kingulube (02 38 57 S 28 01 17 E, 1238 m): **RMCA**: 35507 - Kisanga (0225S 2818E): **BMNH**: 1962.1853, 1963.1169 - Kisiki (00 45 00 N 29 34 00 E, 1177 m): **MCZ**: 38025 - Koloka (03 23 N 24 30 E): **SMF**: 6380; **ZMH**: 3 - Koteli (02 52 00 N 24 33 00 E, 432 m): **RMCA**: 16199 - Kumbi: **ZMA**: MAM.24899 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 14168 - Luebo (050200S 213300E, 478 m): **RMCA**: 6555 - Luiko (030500S 284700E): **RMCA**: 20430 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86769, 86770, 86864, 86865, 86867, 86910, 86911, 86912, 86913; **RMCA**: 12176 - Mabali (02 20 00 S 28 50 00 E): **MCZ**: 48239 - Makala (00 33 00 N 27 45 00 E, 634 m): **BMNH**: 1914.4.8.5 - Makpe river, upper (04 20 N 29 34 E): **RBINS**: 13543.1, 13543.2 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 49138, 49194 - Mogbwamu river (04 35 00 N 29 44 00 E): **RBINS**: 13545.1, 13545.2 - Mount Wago (014500N 304000E, 2240 m): **BMNH**: 1953.481 - Muhulu (01 03 00 S 27 17 00 E, 671 m): **RMCA**: 27436, 27437, 27438, 27439 - Munoi confluence (0845S 2646E): **RBINS**: 10835, 10836, 10837 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 49386, 49387 - Panga (01 51 00 N 26 25 00 E, 434 m): **RMCA**: 9127 - Paulis (0246N 2737E, 730 m): **RMCA**: 19819 - Pawa (02 31 36 N 27 42 10 E, 696 m): **RMCA**: 15216, 15217, 15218, 15728 - Ruanoli-Mavea confluence (00 40 00 N 29 43 00 E, 800 m): **INPBC**: V1668.2, V1668.3.1, V1668.3.2 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **MCZ**: 38032; **RMCA**: 16194, 16198, 893 - Taere river (04 33 N 29 47 E): **INPBC**: 4380.2; **RBINS**: 13544 - Tayele (river) (04 33 N 27 47 E): **RMCA**: 36559 - Tshakala (00 27 27 N 25 32 05 E, 453 m): **RMCA**: 82.019-M-0010 - Ukaika (00 45 N 28 45 E, 900m): **NMW**: 10301 - Virunga National Park (01 00 00 S 29 15 00 E): **INPBC**: V1853A, V1853B, V1854A, V1854B, V1855.1A, V1855.1B, V1855.1C; **RBINS**: 1289B - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 87.043-M-0005, 88.005-M-0008, 89.020-M-0040, 89.020-M-0041, 89.020-M-0043, 91.076-M-0007, 91.076-M-0014, 91.076-M-0059, 91.076-M-0081, 91.076-M-0092, 92.079-M-0034, 92.079-M-0035, 92.079-M-0112, 92.079-M-0113, 92.079-M-0114, 92.079-M-0115, 92.079-M-0117 - Wago (mount) (014500N 300400E, 2240 m): **RMCA**: 81.012-M-0037 - Wasa (0144N 3039E, 1386 m): **RMCA**: 81.012-M-0038 - Yalusaka (01 05 00 S 22 58 00 E, 420 m): **RMCA**: 27163 - Yambata (02 26 00 N 21 59 00 E, 414 m): **RMCA**: 5443 - Yangambi (00 47 00 N 24 28 00 E, 437 m): **RMCA**: 80.033-M-0001.

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-3323, 97.077-M-8305; **SMF**: 91860, 91861, 91862, 91863, 91864, 91865, 91866 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **MHNG**: 923.089, 923.090, 923.091, 923.092; **USNM**: 454617, 454618, 454619 - Banco, forêt de (0525N 0403W): **MHNG**: 923.088 - Blékoum (06 22 30 N 03 32 32 W, 94 m): **USNM**: 429911 - Duékoué (0644N 0721W): **FMNH**: 105203, 105324 - Lamto Ecology Station (06 13 N 05 02 W): **ROM**: 80317 - Niébé (05 22 N 07 18 W, 132 m): **USNM**: 465766 - Torgokaha (0923N 0538W, 376 m): **FMNH**: 105205 - Yapo-Sud (0542N 0405W): **USNM**: 429906, 429907, 429908, 429910.

Equatorial Guinea:

Benito River (01 36 N 09 37 E): **BMNH**: 1900.2.5.11 - Bubi Town (0329N 0850E): **BMNH**: 1904.7.1.37.

Gabon:

M'Bari site (0152S 0953E): **USNM**: 584721 - Moukalaba Reserve (0217S 1030E, 110 m): **FMNH**: 167763.

Ghana:

Ahiriso (0632N 0220W): **USNM**: 414163 - Akeniem (08 08 N 00 16 W): **BMNH**: 1955.374 - Anum, 4 mi S (0630N 0010E): **USNM**: 411916, 411917, 411918, 411919 - Berekuso, 1 mi N (0546N 0013W): **USNM**: 411927, 411928 - Boi-Tano FR, cocoa plantation adjacent to forest edge (0532N 0237W): **ZFMK**: 2003.1032 - Jukwa (0515N 0121W): **USNM**: 411876 - Kongo mines: **AMNH**: 233875, 233876, 233877 - Mpraeso (06 35 N 00 44 W, 367 m): **ROM**: 56523 - Nkawkaw (06 33 N 00 46 W, 253 m): **ROM**: 56522 - Oda (05 55 N 00 56 W, 122 m): **BMNH**: 1946.124; **FMNH**: 54492, 55744 - Sefwi Mafra (06 27 N 02 56 W, 159 m): **BMNH**: 1974.61, 1974.62 - Sefwi Mafra (0627N 0256W): **BMNH**: 1974.61_1, 1974.61_2 - Wli Waterfall (ca. 07 08 N 00 35 E): **SMF**: 92126.

Guinea:

Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1985-1145.

Kenya:

Unknown locality: **BMNH**: 1975.2434, 1975.2434_1, 1975.2434_2 - Yala river (00 06 N 34 32 E): **BMNH**: 1921.2.4.1, 1928.7.19.1; **USNM**: 197956.

Liberia:

Du River (061434N 103224W): **MCZ**: 24152 - Gabagea River: **AMNH**: 265824 - Gbarnga (070224N 093315W): **MCZ**: 24151 - Grassfield (07 29 20 N 08 34 15 W, 530 m): **BMNH**: 1979.458 - L.T.C. (06 16 00 N 08 40 00 W): **RMCA**: 80.036-M-0031 - Mount Nimba (07 30 00 N 08 30 00 W): **BMNH**: 1967.1458, 1967.1459, 1967.1460 - Ngilima (080512N 100736W, 433 m): **AMNH**: 257042 - Sanniquellie, 5 mi S (ca. 0724N 0845W): **BMNH**: 1979.457 - Schieffelinsville (06 13 17 N 10 32 16 W, 94 m): **RMNH**: MAM.17835.

Nigeria:

Oban (0517N 0833E): **BMNH**: 1909.3.4.3.

Sierra Leone:

Kassewa Forest Reserve (0804N 1230W): **BMNH**: 1962.1832, 1962.1833 - Outamba-Kilimi-NP (0945N 1210W): **USNM**: 546966.

South Sudan:

Bangangai forest (0451N 2745E): **FMNH**: 108143 - Kajiko North (03 51 25 N 30 36 27 E): **SMNS**: 29333 - Lotti forest (0402N 3232E): **SMNS**: 29343.

Tanzania:

Handajega (02 15 S 34 06 E, 1200 m): **RBINS**: 15629.1.

Uganda:

Budongo Forest (0146N 3133E): **ROM**: 46597 - Budongo Forest (0146N 3133E, 1372 m): **ROM**: 40147, 46512 - Ngogo (00 30 22 N 30 25 34 E): **FMNH**: 224102.

Nycteris aurita (K. Andersen, 1912)

Ethiopia:

Afeworks Farm (05 38 N 37 28 E): **SMF**: 45115.

Kenya:

Athi river (0259S 3831E): **ROM**: 78044 - Athi river (0259S 3831E, 1528 m): **ROM**: 78042, 78043 - Ferguson's Gulf (033100N 355500E, 1200 ft): **AMNH**: 212340 - Galma Galla [waterholes] (011200S 404700E, 270 ft): **AMNH**: 187290, 187291, 187292, 187293, 187294, 187295 - Ijara (0136S 4031E): **BMNH**: 1952.1616, 1952.1617, 1952.1618 - Jagartek and Talek rivers junction, 8 km above (01 22 S 35 15 E): **ROM**: 78041 - Kampi ya Samaki (0038N 3617E): **ROM**: 68582, 68583 - Kiabasi (1900 ft): **AMNH**: 114482 - Kilifi (0338S 3951E, 61 m): **BMNH**: 1889.1.11.1 (Holotype *Petalia aurita*); **USNM**: 350862 - Lokiri (0300N 3530E): **BMNH**: 1969.199 - Makere (012055S 400019E, 80 m): **AMNH**: 206686 - Masabubu (011247S 400103E, 93 m): **AMNH**: 187310, 187323, 187324, 187325 - Masabubu, 0.5 mi. N-NE (ca. 0112S 4001E): **AMNH**: 187311 - Maungu (0334S 3846E): **BMNH**: 1898.1.4.1 - Maweni River (0344S 3945E): **FMNH**: 152454 - Ngatana (ca. 0211S 4011E): **MCZ**: 32059 - Shell BM Camp (0231S 4031E): **ROM**: 71247 - State Loge Campsite (00 06 34 S 34 44 46 E): **MMU**: PWW2997 - Tana river (023149S 403126E): **USNM**: 21019, 21020, 21021, 21023, 38699 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **AMNH**: 114481; **ZMUC**: 1705.

Somalia:

Burao (0931N 4533E): **BMNH**: 1908.7.24.9 - Giohar (0157N 4450E): **MZUF**: 5456, 5459, 5461, 5464, 6333, 6336.

South Sudan:

Kapoeta (0450N 3335E): **USNM**: 317906, 317907.

Tanzania:

Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **BMNH**: 1964.1357 - Lembeni (0347S 3737E): **ZFMK**: 1960.0255, 1960.0256, 1960.0257, 1960.0258 - Lindi region: **SMF**: 79595 - Manyara, Lake (03 35 S 35 50 E): **BMNH**: 1938.4.21.6 - Pwani region: **SMF**: 79594 - Sam Deli (0400S 3730E): **ZFMK**: 1959.0360 - Soga (0652S 3857E): **ZFMK**: 1961.0089, 1961.0091, 1961.0092, 1961.0105.

Nycteris cf. parisii De Beaux, 1924

Ethiopia:

Megenagne (12 12 N 35 40 E, 564 m): **ZMMU**: S-189580.

Nycteris gambiensis (K. Andersen, 1912)

Benin:

Bimbereke (1014N 0240E): **USNM**: 421319, 421320, 421321, 421322, 421323, 421324, 421325, 421326, 421327, 421328, 421329, 421330, 421331, 421332, 421333, 421334, 421335, 421336, 421337, 478789, 478790, 478791, 478792, 478793, 478794 - Bimbereke (1014N 0240E, 449 m): **USNM**: 478787 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 421338, 421339, 421340, 421341, 421342, 421343, 421344, 421345, 421346, 421347, 421348, 421349, 421350, 421351, 421352, 421353, 421354, 421356, 421357, 421358, 421359, 421360, 421361, 421362, 421363, 421365, 421366, 421367, 421368, 575706, 575707, 575708, 575709, 575710, 575711, 575712, 575714, 575715, 575716, 575717, 575718 - Nikki (0956N 0313E): **USNM**: 421314 - Soubroukou (0941N 0138E): **USNM**: 438871, 438872, 438873, 438903, 438904, 438905, 438906, 438907 - Zizonkame (0755N 0201E): **USNM**: 438874, 438877, 438879, 438880, 438881, 438893, 438894, 438899.

Burkina Faso:

Bam province: **SMF**: 60945 - Diebougou (10 57 N 03 15 W, 984 ft): **SMF**: 60944 - Djipologo (1056N 0307W): **USNM**: 468005, 468006, 468007, 468008, 468009, 468010, 468014, 468015, 468016, 468017, 468018, 468019, 468020, 468021, 468022, 468025, 468026, 468028 - Founzan (1127N 0314W): **USNM**: 454485, 454588, 454590, 454591, 454592, 454593, 454594, 454596, 454597, 454598, 454600, 454601, 454602, 454603, 454604, 454605, 454609, 454610, 454611, 454613, 478623, 478624, 478625, 478626, 478715, 478716, 576042, 576043 - Konankira (1254N 0353W): **USNM**: 454569, 454570, 454571, 454572, 454573, 454574, 454575, 454576, 454577, 454577(B), 454578, 454579, 454580, 454581, 454582, 454583, 454584, 454585, 454586 - Koumbia (11 14 N 03 42 W, 317 m): **MNHN**: ZM-MO-1977-602, ZM-MO-1977-603 - Koutoura, 5 km SW (1019N 0453W): **USNM**: 467968, 467969, 467973, 467974, 467984, 467985 - Natiaboani (11 41 57 N 00 30 22 E, 268 m): **USNM**: 478627, 478638, 478658, 478663 - Orodara, 27 km ENE (1104N 0441W): **USNM**: 467961, 467963, 467964, 467965 - Ouagadougou and Bobodioulasso, village between (ca. 11 45 N 03 00 W): **MNHN**: ZM-MO-1985-307, ZM-MO-1985-308, ZM-MO-1985-309, ZM-MO-1985-310 - Oulo (1154N 0258W): **USNM**: 454518, 454519, 454520, 454522, 454524, 454532, 454533, 454534, 454535, 454538, 454539, 454540, 454541, 454542, 454543, 454544, 454545, 454546, 454550, 454551, 454552, 454554, 454557, 454558, 454559, 454560, 454561, 454562, 454565, 454566, 478602, 478603, 478604, 478605, 478606, 478607, 478608, 478609, 478610, 478611, 478612, 478613, 478614, 478615, 478616, 478617, 478618, 478619, 478620, 478621, 478622, 478664, 478665, 478666, 478667, 478668, 478669, 478671, 478672, 478673, 478675, 478676, 478677, 478678, 478679, 478680, 478681, 478682, 478683, 478684, 478686, 478687, 478689, 478690, 478691, 478693, 478695, 478696, 478698, 478699, 478700, 478701, 478702, 478703, 478704, 478705, 478707, 478708, 478709, 478711, 478712, 478786.

Cameroon:

Yokadouma, near (03 31 N 15 03 E): **MNHN**: ZM-MO-1962-2633.

Côte d'Ivoire:

Unknown locality: **SMF**: 84389, 84390, 91871 - Kong (0909N 0437W): **USNM**: 454466, 454468, 454469, 454470, 454471, 454472, 454473, 454474, 454509, 454511, 454512, 454514, 454515, 454516, 454517, 478801, 478932 - Tyenko (0814N 0724W): **USNM**: 465764, 465765.

Ghana:

Babiana (06 28 N 02 20 W, 720 ft): **ROM**: 52030 - Bangweli Camp (09 42 N 01 53 W): **BMNH**: 1975.538 - Bangwon (1058N 0241W): **USNM**: 414830, 414902, 414903, 414904, 414905, 414906, 414907, 414908, 414909, 414910, 414911, 414912, 478773, 478774, 478775, 478776, 478777, 478778, 478779, 478780 - Bungueli, near (ca. 09 42 50 N 01 53 31 W, ca. 275 m): **AMNH**: 237417, 237418 - Damongo (09 05 N 01 49 W, 230 m): **USNM**: 467926, 467928, 467929, 467931, 467932, 467933, 467934, 467935, 467936 - Gambaga (10 32 N 00 26 W, 312 m): **USNM**: 478783, 478784, 478785 - Kusasi area (ca. 06 40 N 01 36 W): **ROM**: 62339 - Kuuni, 48 mi [=77 km] from (ca. 06 39 N 01 51 W, 226 m): **ROM**: 52024 - Nabogo (0944N 0049W): **USNM**: 478782 - Nkawkaw (06 33 N 00 46 W, 253 m): **ROM**: 51633 - Pirisi (1007N 0227W): **USNM**: 414799, 414843, 414844, 414845, 414846, 414847, 414848, 414849, 414850, 414851, 414852, 414853, 414854, 414855, 414856, 414857, 414858, 414859, 414860, 414861, 414862, 414863, 414864, 414865, 414866, 414867, 414868, 414869, 414870, 414871, 414872, 414873, 414874, 414875, 414876, 414877, 414878, 414879, 414880, 414881, 414882, 478738, 478739, 478740, 478741, 478742, 478743, 478744, 478745, 478746, 478747, 478748, 478749, 478750, 478751, 478752, 478753, 478754, 478755, 478756, 478757, 478758, 478759, 478760, 478761, 478762, 478763, 478764, 478765, 478766, 478767 - Pulima (105100N 020300W): **USNM**: 414887, 576175 - Pulima (1051N 0203W): **USNM**: 414819, 414883, 414884, 414885, 414886, 414887(A), 414888, 414890, 414891, 414892, 414893, 414894, 414895, 414896, 414897, 414898, 414899, 414900, 414901, 478768, 478769, 478770, 478771, 478772 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414913, 414914, 414915, 478781, 576109 - Samole Motel Camp (09 17 N 01 47 W): **BMNH**: 1975.537 - Sawla, 15 mi [=24 km]E (ca. 09 17 N 02 25 W): **BMNH**: 1968.1150.

Guinea:

Kolente (1005N 1230W): **SMF**: 43670; **ZFMK**: 1959.0198, 1959.0199 - Nyembaro (1005N 1230W): **SMF**: 43668, 43669; **SMNS**: 6129, 6130, 6131, 6134 - Tahiré (1005N 1230W): **SMNS**: 6122, 6123, 6124 - Tourela, 2.3 km E (08 30 32 N 08 57 00 W, 621 m): **ZFMK**: 2008.0280.

Guinea-Bissau:

Bissalanca (11 53 N 15 41 W, 21 m): **RMCA**: 15311, 15312 - Ponta Robalo (11 53 N 15 46 W, 22 m): **MHNG**: 1326.011, 1626.020, 1626.021 - Sama: **MNHN**: ZM-MO-1985-290.

Nigeria:

Afon (0819N 0431E): **USNM**: 402673, 402674, 402675, 402676, 402677, 402678, 402679, 402680, 402681, 402683, 402685, 402686, 402687, 402688, 402689, 467730, 478717, 478718, 478719, 478720, 478721, 478722, 478723, 478724, 478725, 478726, 478727, 478728, 478729, 478730, 478731, 478732, 478733, 478734, 478735, 478736, 478737 - Alabe (0829N 0508E): **BMNH**: 1975.513 - Kaduna (10 31 23 N 07 26 25 E, 612 m): **BMNH**: 1975.2431 - Kudu (0916N 0520E): **USNM**: 402665, 402666, 402667, 402668, 402669, 402670, 402671, 402672.

Senegal:

Badi (13 09 00 N 13 14 00 W, 34 m): **MHNG**: 983.052 - Bakel (1454N 1226W): **BMNH**: 1919.7.7.3703 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1984-1294 - Dialocote (1312N 1320W): **USNM**: 379106, 379107, 379108, 379109, 379110, 379111, 379112, 379113, 379114, 379115, 379116, 379117, 379118, 379119, 379120, 379121, 379122, 379123, 379124, 379125, 379126, 379127, 379128, 379129, 379130, 379131, 379132, 379133, 379134, 379135, 379136, 379137, 379138, 379139, 379140, 379141, 379142, 379143, 379144, 379145, 379146, 381369, 381370, 381371, 381372, 381373, 381374, 381375, 381376, 381377, 381378, 381379, 381380, 381381, 381382, 381383, 381384, 381385 - Dialocote (1325N 1320W): **BMNH**: 1911.6.10.10 (Holotype *Petalia gambiensis*) - Diattacounda (1234N 1540W): **ZFMK**: 1976.0169, 1976.0186 - Etiesse (12 34 30 N 12 26 25 W, 254 m): **MNHN**: ZM-MO-1977-604 - Gamon (1325N 1300W): **USNM**: 379147, 379148 - Joal, 4 km N (ca. 1410N 1650W): **USNM**: 381386 - Kedougou (123300N 121100W, 99 m): **FMNH**: 42195, 42200 - Kedougou (1235N 1209W): **FMNH**: 42172, 42174, 42175, 42177, 42178, 42179, 42180, 42181, 42182, 42183, 42184, 42185, 42186, 42187, 42188, 42189, 42190, 42191, 42192, 42193, 42194, 42196, 42197, 42198, 42199, 42201, 42202, 42203, 42204, 42205, 42206, 42207, 42208, 42389, 42390, 42391 - Kédougou (case) (123300N 121100W, 99 m): **MNHN**: ZM-MO-1977-605 - Koular (134100N 161100W, 2 m): **MNHN**: ZM-MO-1977-213, ZM-MO-1977-611, ZM-MO-1977-613, ZM-MO-1977-625, ZM-MO-1977-627, ZM-MO-1977-628 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1977-607, ZM-MO-1977-608, ZM-MO-1977-609, ZM-MO-1977-610, ZM-MO-1977-612, ZM-MO-1977-614, ZM-MO-1977-615, ZM-MO-1977-616, ZM-MO-1977-617, ZM-MO-1977-618, ZM-MO-1977-619, ZM-MO-1977-620, ZM-MO-1977-621, ZM-MO-1977-622, ZM-MO-1977-623, ZM-MO-1977-

624, ZM-MO-1977-629, ZM-MO-1977-630, ZM-MO-1977-631, ZM-MO-1977-632, ZM-MO-1995-654, ZM-MO-1995-655, ZM-MO-1995-656, ZM-MO-1995-657, ZM-MO-1995-658, ZM-MO-1995-659.

The Gambia:

Unknown locality: **BMNH**: 1907.1.1.331, 1949.465, 1991.268; **SMF**: 92143 - Banjul, 8 mi [=13 km] W (ca. 13 28 N 16 39 W): **USNM**: 377569 - Kudang (13 40 N 15 03 W, 13 m): **USNM**: 377585, 377587, 377588 - Kuntaur, 10 mi [=16 km]SE (13 37 N 14 54 W): **BMNH**: 1949.464 - Makka (13 42 N 14 53 W, 11 m): **BMNH**: 1949.466 - Tanji River Bird Reserve (13 22 20 N 16 47 07 W): **SMF**: 91048, 91049 - Toniataba (13 26 N 15 35 W, 21 m): **USNM**: 379358, 379359, 379360, 379361, 379362, 379363, 379364, 379365, 379366, 379367, 379368, 379369, 379370, 379371, 379372, 379373, 379374, 379375.

Togo:

Baoulé (10 16 00 N 00 35 00 E, 149 m): **RMCA**: 73.009-M-0120 - Binaparba (09 14 00 N 00 46 00 E, 456 m): **RMCA**: 73.009-M-0121 - Dapango (10 51 50 N 00 12 18E, 306 m): **USNM**: 437616, 437617, 437618, 437619, 437620, 478788 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0143, 73.011-M-0144, 73.011-M-0145, 73.011-M-0146.

Nycteris grandis Peters, 1865

Benin:

no specific locality: **BMNH**: 1950.187.

Cameroon:

Unknown locality: **BMNH**: 1989.703; **RMCA**: 76.014-M-0044 - Bipindi, 10 km W (0305N 1025E, ca. 300 m): **ROM**: 56239, 56240, 56241 - Bitye (03 01 00 N 12 22 00 E, 616 m): **RMCA**: 1098 - Bitye (0313N 1222E): **BMNH**: 1923.1.22.15, 1923.1.22.16, 1923.1.25.3, 1923.1.25.4 - Bonge: **ZMB**: 7044 - Buéa (04 09 34 N 09 14 12 E, 895 - 1850 m): **ROM**: 69068 - Campo (02 22 00 N 09 49 00 E, 0 m): **MNHN**: ZM-MO-1993-4651 - Douala-Edéa Game Reserve (03 30 N 09 50 E): **MSB**: 37709, 37710 - Kiribi, 14 km N (0304N 0954E): **ROM**: 56267, 56268, 56269 - Kiribi, 4 km E (0257N 0957E): **ROM**: 56258, 56259 - Kiribi, 7 km E (0257N 0958E): **ROM**: 56256, 56257 - Kiribi, 9 km W (0257N 0949E): **ROM**: 56271, 56272 - Kribi (0255N 0955E): **MCZ**: 8868 - Kumba region (0439N 0925E): **ROM**: 51611 - Lumbindu: **BMNH**: 1933.8.4.17 - Malende swamp area (0419N 0925E): **ROM**: 68884 - Metet (0326N 1143E): **MCZ**: 14640, 14641 - Mintjaminyumin (0256N 1159E): **ZFMK**: 1962.0203 - Ndjole, 4 km N (ca. 0449N 1156E): **ROM**: 56107 - Ndjole, 6 km N (ca. 0449N 1156E): **ROM**: 56108, 56109 - Ngam (0256N 1159E): **ZFMK**: 1962.0204 - Njombo River (0339N 1158E): **ROM**: 57183 - Nojole, 6 km N: **ROM**: 56106 - Tisongo, Lake (0325N 0954E): **USNM**: 511916.

Central African Republic:

Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268368, 268369, 268370, 268371 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-886.

Congo:

Cote-Matève, 1 mi [=1.6 km] SE (04 52 03 S 11 55 16 E): **ZMA**: MAM.15654, MAM.15655, MAM.15656 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1984-1382, ZM-MO-1984-1383, ZM-MO-1984-1384, ZM-MO-1984-1385, ZM-MO-1984-1386 - Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.15651, MAM.15652 - Pointe-Noire, 3 mi [=4.8 km] SE (ca. 04 53 S 011 55 E): **ZMA**: MAM.15653, MAM.15657 - Tschiloango [=Tchilounga]: **ZMB**: T09674.

Congo (Democratic Republic of the):

Babongena (00 29 23 N 25 42 21 E, 469 m): **RMCA**: 82.031-M-0006 - Baliko (00 16 S 20 49 E, 358 m): **FMNH**: 219603 - Beni (00 30 00 N 29 28 00 E, 853 m): **RMCA**: 3240 - Biyonga (003400S 230000E): **RMCA**: 21915 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 34162, 38706, 38707 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 20679 - Boteka (00 20 00 S 19 06 00 E, 333 m): **RMCA**: 85.052-M-0001 - Camp Putnam (01 24 00 N 28 35 00 E, 675 m): **RMCA**: 28902 - Djumma river, upper (00 38 00 N 29 34 00 E, 850 m): **INPBC**: V1277.1 - Epulu (012345N 283440E, 750 m): **RMCA**: 25652 - Irangi (0154S 2827E): **SMF**: 65028 - Irangi, 3 mi of (ca. 01 54 S 28 27 E): **ZMA**: MAM.24178, MAM.24179 - Ituri Forest (01 00 00 N 29 16 00 E): **BMNH**: 1930.11.11.89 - Kalikimvua (04 15 N 29 45 E): **RBINS**: 13621 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 32393 - Kasiba (ca. 01 54 S 028 27 E): **ZMA**: MAM.24177 - Kivu region: **SMF**: 73700, 77099, 77100 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.7.6.72, 1927.12.21.10, 1927.12.21.8 - Mabali (02 20 00 S 28 50 00 E): **MCZ**: 48236, 48237 - Makayova river, lower (00 43 00 N 29 43 00 E, 750 m): **INPBC**: V1256.1, V1256.2, V1256.3 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0341, 93.079-M-0342 - Menga (05 03 S 18 51 E): **TM**: 45568, 45569 - Mogbwamu river (04 35 00 N 29 44 00 E): **RBINS**: 13620; **RMCA**: 36560 - Mulolo (03 06 S 26 58 E): **BMNH**: 1962.1849 - Netonna (05 58 S 12 27 E): **SMF**: 2514 - Omaniumdu (03 21 00 S 23 16 00 E, 464 m): **RMCA**: 29536 - Poko (03 09 00 N 26 53 00 E, 641 m): **RMCA**: 4340 - Quatorze (00 10 04 N 20 55 34 E, 326 m): **FMNH**: 222427, 222428 - Ukaika (00 45 N 28 45 E, 900m): **NMW**: 10300 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 88.005-M-0009, 91.076-M-0102, 91.076-M-0106, 91.076-M-0109, 92.079-M-0033, 92.079-M-0110 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537706 - Yayama (011600S 230700E, 456 m): **RMCA**: 88.011-M-0013.

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-3268, 97.077-M-8304; **SMF**: 92051 - Guéboua (05 59 02 N 05 41 21 W, 227 m): **RMCA**: 97.077-M-3324, 97.077-M-3325 - Parc National de Tai (ca. 05 50 N 07 20 W): **ROM**: 100481, 100586 - Soubre, 10 mi WNW (0549N 0645W): **USNM**: 468030, 468031.

Equatorial Guinea:

Benito River (01 36 N 09 37 E): **BMNH**: 1898.5.4.5.

Gabon:

Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-MO-1985-1408, ZM-MO-1985-1409; **ZMA**: MAM.08404, MAM.19668, MAM.19669 - Bélinga, near (ca. 01 08 00 N 13 07 00 E, 390 m): **ZMA**: MAM.19670, MAM.19671 - Booué (00 06 00 S 11 56 00 E, 175 m): **MNHN**: ZM-MO-1962-2635 - Cette Cama (0232S 0945E): **BMNH**: 1889.11.21.1 - Como River: **MNHN**: ZM-MO-1985-316, ZM-MO-1985-317 - Ipassa (0030N 1254E): **CUMV**: 19440 - Loa-loa (rapids) (00 32 26 N 12 51 07 E): **ZMA**: MAM.19672 - Makokou (00 34 00 N 12 52 00 E, 308 m): **CUMV**: 19436; **MNHN**: ZM-MO-1981-906 - M'Bari site (0152S 0953E): **USNM**: 584722 - Mitzic (0048N 1130E): **BMNH**: 1958.312 - Ogooue-Maritime province: **USNM**: 584850.

Ghana:

Bame (0637N 0018E): **USNM**: 411852, 411853, 411854, 411855, 411856 - Bechem (07 05 N 02 02 W, 293 m): **ROM**: 52051 - Butre (0449N 0155W): **USNM**: 414164 - Goaso (06 48 N 02 31 W, 188 m): **BMNH**: 1935.10.22.60 - Gold Coast [=Goldküste] (ca. 05 20 N 00 45 W): **RMNH**: MAM.27348 (Paralectotype *Nycteris grandis*) - Kpeve (0641N 0021E):

USNM: 411849, 411850, 411851 - Kumasi (06 41 N 01 37 W, 246 m): **BMNH**: 1966.15 - Kumasi-Dunkwa road (06 40 N 01 35 W): **BMNH**: 1965.750 - Legon (05 39 00 N 00 11 00 W, 30 m): **ROM**: 36577 - Oda (05 55 N 00 56 W, 122 m): **BMNH**: 1946.112; **FMNH**: 54491, 54493, 54494, 54700, 55741, 55770 - Ofinsu (06 54 N 01 39 W, 262 m): **BMNH**: 1950.1538 - Setwi, Base Camp (06 27 N 01 28 W): **ROM**: 51624, 51627 - Tsibu, 2 mi SSW (ca. 0634N 0017E): **USNM**: 411857, 411858 - Tutu (0553N 0009W): **USNM**: 414165.

Guinea:

Mamou (10 23 00 N 12 05 00 W, 737 m): **MNHN**: ZM-MO-1911-1567 - Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1985-1116.

Kenya:

Diani Beach, 10 km S (04 20 S 39 32 E): **SMF**: 57535 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 74527.

Liberia:

Du River (061434N 103224W): **MCZ**: 24154 - Gbapa (07 29 03 N 08 36 49 W, 475 m): **RBINS**: 16784 - Grassfield (07 29 20 N 08 34 15 W, 530 m): **BMNH**: 1979.454 - Hilltown (0613N 1020W): **RMNH**: MAM.17837 - L.T.C. (06 16 00 N 08 40 00 W): **RMCA**: 80.036-M-0032 - North Beeton (0739N 0830W): **BMNH**: 1979.453 - South Nimba (07 26 N 08 34 W): **BMNH**: 1979.455 - Ziggida, 7 mi N, 1 mi E: **AMNH**: 265825.

Malawi:

Unknown locality: **BMNH**: 1987.1030 - Mvu Camp (14 51 04 S 35 17 43 E, 480 m): **ZMA**: MAM.28345.

Mozambique:

Pemba, SW of (13 00 23 S 40 31 25 E): **DNSM**: 8669.

Nigeria:

Unknown locality: **BMNH**: 1950.188 - Alimbo Ferry Road (0500N 0800E): **BMNH**: 1979.2121 - Nindam Forest Reserve (0928N 0819E): **ROM**: 86960 - Old Calabar (04 56 N 08 22 E): **BMNH**: 1880.7.21.5.

Sierra Leone:

Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 546964.

Tanzania:

Unknown locality: **BMNH**: 1899.9.12.6 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **ZMB**: T10521, T10522 - Amani Forest (0507.533S 3834.831E, 3000 ft): **AMNH**: 206685 - Amani West Forest Reserve (05 06 S 38 38 E, 3000 ft): **BMNH**: 1979.1678 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **RMNH**: MAM.VB16; **SMNS**: 2119f - Chonja village (0457S 3944E, 14 m): **FMNH**: 192883, 192884, 192885 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 870 m): **FMNH**: 150065 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 151185, 151416, 168092 - Gonja Forest Reserve (04 16 S 38 02 E, 550 m): **FMNH**: 151186, 151187, 151188, 151189, 151190, 151417 - Kibatini village (0457S 3943E, 51 m): **FMNH**: 192882 - Kiraboga (06 51 S 36 59 E): **SMF**: 19459 - Likawage (0913S 3900E, 132 m): **BMNH**: 1964.1349 - Lindi region: **SMF**: 79596 - Mikindani (10 17 S 40 07 E, 17 m): **SMF**: 26936 - Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **FMNH**: 192936 - Namithu Kilwa (0900S 3930E): **BMNH**: 1964.1348 - Ngezi Forest (0456S 3942E, 32 m): **FMNH**: 192814, 192815, 192816, 192880 - Ngezi Forest (0456S 3942E, 40 m): **FMNH**: 192881 - Niete: **MCZ**: 33139 - Pugu Hills (0653S 3905E, 152 m): **FMNH**: 67888 - Shakani (0615S 3914E): **BMNH**: 1955.263, 1955.264 - Tanga region: **SMF**: 79597, 79598, 82487, 82488, 90888, 91226, 92506, 93022, 93204, 93205, 93206, 93213 - Tendoguru (0949S 3934E): **ZMB**: T10290, T10291 - Tindiga (06 55 S 37 20 E): **BMNH**: 1923.8.2.1 (Holotype *Nycteris marica*) - Tong'omba Forest Reserve (08 25 S 39 01 E): **FMNH**: 182569 - Zanzibar (06 10 S 39 20 E): **BMNH**: 1879.9.12.6; **RBINS**: 200.

Togo:

Agou (06 53 00 N 00 44 00 E, 488 m): **USNM**: 437612 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **USNM**: 437613 - Péwa (09 17 00 N 01 14 00 E, 618 m): **RMCA**: 73.011-M-0137; **USNM**: 437608, 437609, 437610, 437611.

Zambia:

Chinzombo (13 07 S 31 46 E): **HZM**: 14.11460; **SMF**: 47492 - Luangwa Valley (1331Bb): **NHMZ**: 22778 - Luangwa valley, Chisenga (1238S 3054E): **BMNH**: 1968.128 - Luangwa Valley, Chisombo (1331BB): **BMNH**: 1968.123 - Luangwa Valley, Nsefu (12.93S 31.93E): **HZM**: 15.11503.

Zimbabwe:

Unknown locality: **ROM**: 87406 - Haroni-Rusitu R Confluence (20.03S 33.02E): **NHMZ**: 60539 - Mana Pools National Park, HQ (15 43 00 S 29 10 00 E): **TM**: 41863 - Mana Pools NP (15.8S 29.33E): **NHMZ**: 5259, 60540 - Mana Pools NP, Nyamepi (15.8S 29.37E): **NHMZ**: 31571 - Mana Pools NP, Sapi R. (15.67S 29.58E): **NHMZ**: 30659 - Mana Pools-NP (1543S 2925E): **ROM**: 83973, 87400, 87404, 87405, 87415, 87427 - Ngorima Reserve (2005S 3253E): **USNM**: 425278.

Nycteris hispida (Schreber, 1774)

"Africa":

Unknown locality: **AMS**: M.31785, M.31786; **MCZ**: 7075; **MNHN**: ZM-MO-1902-336, ZM-MO-1911-1589, ZM-MO-1985-282, ZM-MO-1985-283; **RMCA**: 1424; **ZMA**: MAM.26233; **ZMUC**: 1054, 14702, 1471 - Congo: **BMNH**: 1919.5.8.12 - Dume: **ZMB**: T09940 - Rotsédy country, NE: **MNHN**: ZM-MO-1985-284, ZM-MO-1985-285, ZM-MO-1985-286 - Saulale: **MNHN**: ZM-MO-1985-296 - Tropical Africa: **ZMH**: 2A, 2B - Webi: **ZMB**: T10500.

Angola:

Alto Chicapa (1053S 1914E): **BMNH**: 1963.1027 - Alto Chicapa (1053S 1914E, 1300m): **MDL**: 11165, 11165a, 5478 - Alto Cuilo (1001S 1933E, 1250m): **MDL**: 5362 - Chinchoxo (ca. 0504S 1202E): **ZMB**: 4803 - Dundo (0722S 2050E, 726m): **MDL**: 5004, 5256 - Dundo (0724S 2047E): **FMNH**: 66471 - Dundo (0724S 2047E, 726m): **FMNH**: 66468, 66469, 66470, 66472, 66473 - Dundo Lundo (0722S 2050E): **BMNH**: 1963.1026, 1967.1244 - Duque de Braganca, 42 km N: **YPM**: MAM 000189 - Lago Dilolo (11 13 30 S 21 39 43 E, 1063 m): **CZL**: 3158025 - Rio Kassai: **YPM**: MAM 000190.

Benin:

Agouagon (07 59 N 02 17 E, 155 m): **MNHN**: ZM-MO-1984-1333, ZM-MO-1984-1334 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 421307, 421308, 421309, 421310 - Nikki (0956N 0313E): **USNM**: 421313, 421315, 421316, 421317, 421318, 478927, 478928, 478933, 478934, 478935 - Segbana (1056N 0342E): **USNM**: 421311, 421312 - Zizonkame (0755N 0201E): **USNM**: 438878, 438882, 438883, 438884, 438885, 438886, 438887, 438888, 438889, 438890, 438891, 438892, 438895, 438896, 438897, 438898, 438900, 438901, 438902, 438908, 438909, 438910, 438911, 438912, 438913, 438914, 438915, 438916, 438917, 478929, 478930, 478936.

Botswana:

Xugana (1905S 2306E): **USNM**: 518626, 518635, 518636, 518784.

Burkina Faso:

Arly (11 35 N 01 28 E, 226 m): **RMCA**: 97.077-M-3162; **USNM**: 450480, 450482, 450485, 450488, 450490, 450492, 450493, 450494, 450497, 450499, 450501, 450502, 450505, 450506, 450507, 450512, 450514, 450516, 450519, 450520, 450529, 450535, 450546 - Arly National Park (11 34 N 01 26 E, 225 m): **USNM**: 450479, 450481, 450483, 450484, 450486, 450487, 450489, 450491, 450495, 450496, 450498, 450500, 450503, 450504, 450508, 450509, 450510, 450511, 450513, 450515, 450517, 450518, 450521, 450528, 450530, 450531, 450532, 450533, 450534, 450536, 450537, 450538, 450539, 450540, 450541, 450542, 450543, 450544, 450545 - Djipologo (1056N 0307W): **USNM**: 468003, 468004, 468011, 468012, 468013, 468023, 468024, 468027, 468029 - Founzan (1127N 0314W): **USNM**: 454475, 454476, 454477, 454478, 454479, 454480, 454481, 454483, 454484, 454486, 454487, 454488, 454489, 454490, 454491, 454492, 454493, 454494, 478944, 478945, 478946, 478947 - Goden (12 12 00 N 02 04 00 W, 308 m): **RMCA**: 97.077-M-3165; **USNM**: 450547, 450548, 450549, 450550, 450551, 450552, 450553, 450554, 450555, 450556, 450557, 450558, 450559, 450560, 450561, 450562, 450563, 450564, 450565, 450566, 450567, 450568, 450569, 450570, 450571, 450572, 450573, 450574, 450575, 450576, 450577, 450578, 450579, 450580, 450581 - Kénédougou province: **SMF**: 60940 - Konankira (1254N 0353W): **USNM**: 454482, 454577(A) - Koutoura, 5 km SW (1019N 0453W): **USNM**: 467966, 467967, 467970, 467971, 467972, 467975, 467976, 467977, 467978, 467979, 467980, 467981, 467982, 467983 - Nobéré, 1 km S (1126N 0110W): **USNM**: 503947, 503948, 503949, 503950 - Nouna (12 44 N 03 52 W, 261 m): **SMF**: 26403 - Orodara, 27 km ENE (1104N 0441W): **USNM**: 467937, 467938, 467939, 467940, 467941, 467942, 467943, 467944, 467945, 467946, 467947, 467948, 467949, 467950, 467951, 467952, 467953, 467954, 467955, 467956, 467957, 467958, 467959, 467960 - Ouagadougou and Bobodioulasso, village between (ca. 11 45 N 03 00 W): **MNHN**: ZM-MO-1985-302, ZM-MO-1985-303, ZM-MO-1985-304, ZM-MO-1985-305, ZM-MO-1985-306 - Oulo (1154N 0258W): **USNM**: 454506, 454507, 454508 - Sideradougou (1040N 0415W): **USNM**: 467986, 467987, 467988, 467989, 467990, 467991, 467992, 467993, 467994, 467995, 467996, 467997, 467998, 467999, 468000, 468001, 468002.

Burundi:

Unknown locality: **MHNG**: 1896.015 - Kayanza (025520S 293720E, 1957 m): **SMF**: 57536 - Mweya (03 29 25 S 29 55 42 E, 1762 m): **MHNG**: 1896.018 - Vumbi (02 41 56 S 30 06 13 E, 1788 m): **RMCA**: 81.012-M-0036.

Cameroon:

Unknown locality: **BMNH**: 1948.636, 1989.702; **MNHN**: ZM-MO-1959-167, ZM-MO-1984-518, ZM-MO-1985-241; **ZMB**: 53893 - Ayos (0354N 1231E): **MNHN**: ZM-MO-1984-678 - Bibundi (0413N 0859E): **ZMH**: 4 - Bipindi (0305N 1025E, 184 m): **AMNH**: 89563 - Bitye (03 01 00 N 12 22 00 E, 616 m): **RMCA**: 1097, 1477 - Bitye (0313N 1222E): **BMNH**: 1914.1.24.8, 1923.1.22.18, 1923.1.22.19, 1923.1.22.20, 1923.1.25.2 - Bota (04 01 43 N 09 11 15 E, 109 m): **BMNH**: 1967.1729; **ROM**: 43365, 50959 - Boukma (08 32 00 N 13 55 00 E, 254 m): **RMCA**: 73.017-M-0109 - Camp V, Mueli (0423N 0907E): **ZFMK**: 1963.0194 - CDC Rest House (04 00 N 09 12 E): **ROM**: 54906 - Djohong (06 50 00 N 14 42 00 E, 1242 m): **RMCA**: 73.016-M-0164, 73.016-M-0165 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **MCZ**: 14849, 14861, 14863 - Edéa (0348N 1014E): **FMNH**: 24246 - Ekona (0415N 0919E): **ROM**: 39051 - Eseka (033900N 104600E): **RMCA**: 75.003-M-0099 - Eséka, 6 km SE (ca. 0340N 1045E): **AMNH**: 236296 - Galim (07 06 00 N 12 29 00 E, 1120 m): **RMCA**: 73.016-M-0145 - Guemé (10 30 30 N 15 09 31 E, 304 m): **RMCA**: 73.015-M-0095, 73.015-M-0096, 73.015-M-0097, 73.015-M-0098, 73.015-M-0099, 73.015-M-0100, 73.015-M-0101, 73.015-M-0102, 73.015-M-0103, 73.015-M-0104, 73.015-M-0105, 73.015-M-0106, 73.015-M-0107, 73.015-M-0108, 73.015-M-0109, 73.015-M-0110, 73.015-M-0111, 73.015-M-0112, 73.015-M-0113, 73.015-M-0114, 73.015-M-0115, 73.015-M-0116, 73.015-M-0117, 73.015-M-0118, 73.015-M-0119, 73.015-M-0120, 73.015-M-0121, 73.015-M-0122, 73.015-M-0123, 73.015-M-0124, 73.015-M-0125, 73.015-M-0126, 73.015-M-0127, 73.015-M-0128, 73.015-M-0129, 73.015-M-0130, 73.015-M-0131, 73.015-M-0132, 73.015-M-0133, 73.015-M-0134, 73.015-M-0135, 73.015-M-0136, 73.015-M-0137, 73.015-M-0138, 73.015-M-0139, 73.015-M-0140, 73.015-M-0141, 73.015-M-0142, 73.015-M-0143, 73.015-M-0144, 73.015-M-0145, 73.015-M-0146, 73.015-M-0147, 73.015-M-0148, 73.015-M-0149, 73.015-M-0150, 73.015-M-0151, 73.015-M-0152, 73.015-M-0153, 73.015-M-0154, 73.015-M-0155, 73.015-M-0156, 73.015-M-0157, 73.015-M-0158, 73.015-M-0159, 73.015-M-0160, 73.015-M-0161, 73.015-M-0162, 73.015-M-0163, 73.015-M-0164, 73.015-M-0165, 73.015-M-0166, 73.015-M-0167, 73.015-M-0168, 73.015-M-0169, 73.015-M-0170, 73.015-M-0171, 73.015-M-0172, 73.015-M-0173, 73.015-M-0174, 73.015-M-0175, 73.015-M-0176, 73.015-M-0177, 73.015-M-0178, 73.015-M-0179, 73.015-M-0180, 73.015-M-0181, 73.015-M-0182, 73.015-M-0183, 73.015-M-0184, 73.015-M-0185, 73.015-M-0186, 73.015-M-0187, 73.015-M-0188, 73.015-M-0189, 73.015-M-0190, 73.015-M-0191, 73.015-M-0192, 73.015-M-0193, 73.015-M-0194, 73.015-M-0195, 73.015-M-0196, 73.015-M-0197, 73.015-M-0198, 73.015-M-0199, 73.015-M-0200, 73.015-M-0201, 73.015-M-0202, 73.015-M-0203, 73.015-M-0204, 73.015-M-0205, 73.015-M-0206, 73.015-M-0207, 73.015-M-0208, 73.015-M-0209, 73.015-M-0210, 73.015-M-0211, 73.015-M-0212, 73.015-M-0213, 73.015-M-0214, 73.015-M-0215, 73.015-M-0216, 73.015-M-0217, 73.015-M-0218, 73.015-M-0219, 73.015-M-0220, 73.015-M-0221, 73.015-M-0222, 73.015-M-0223, 73.015-M-0224, 73.015-M-0225, 73.015-M-0226, 73.015-M-0227, 73.015-M-0228, 73.015-M-0229, 73.015-M-0230, 73.015-M-0231, 73.015-M-0232, 73.015-M-0233, 73.015-M-0234, 73.015-M-0235, 73.015-M-0236, 73.015-M-0237, 73.015-M-0238, 73.015-M-0239, 73.015-M-0240 - Limbe (04 00 46 N 09 13 13 E, 136 m): **ROM**: 51025 - Lomié (03 10 N 13 34 E, 611 m): **ROM**: 57118 - Mabetta [= Maneta] (04 00 N 09 15 E): **ROM**: 43379 - Mamfe (05 46 00 N 09 17 00 E, 459 m): **BMNH**: 1948.637 - Manengouba, mount (05 00 N 09 50 E, 1000 m): **MNHN**: ZM-MO-1983-1030 - M'Bonge (0431N 0939E): **ROM**: 39071 - Mbonge (0433N 0905E): **BMNH**: 1966.3556 - M'Boumo (03 41 00 N 13 04 00 E): **MNHN**: ZM-MO-1985-1959 - Metet (0326N 1143E): **MCZ**: 14853, 14855, 14856, 14857, 14858 - Nyasoso (0449N 0941E): **ZFMK**: 1969.0486 - Ossa, Lake (ca. 0349N 1008E): **ZMB**: T10306 - Sakbayeme (0402N 1034E): **FMNH**: 43579; **MCZ**: 19376, 19377 - Tisongo, Lake (0325N 0954E): **USNM**: 511949 - Touroua (09 05 00 N 12 58 00 E, 202 m): **RMCA**: 76.014-M-0050, 76.014-M-0079 - Victoria (04 00 36 N 09 09 36 E): **BMNH**: 1936.10.30.6 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0256, 73.017-M-0073, 73.017-M-0074, 73.017-M-0075, 73.017-M-0076, 73.017-M-0077; **ZFMK**: 1974.0418G, 1974.0418H, 1974.0418I, 1974.0418J, 1974.0418K, 1974.0418L, 1974.0418M - Waza, 35 km N (ca. 1125N 1434E): **ZFMK**: 1974.0313, 1974.0314, 1974.0315, 1974.0316, 1974.0317, 1974.0318, 1974.0319, 1974.0320, 1974.0321, 1974.0322, 1974.0323, 1974.0324, 1974.0325, 1974.0418A, 1974.0418B, 1974.0418C, 1974.0418D, 1974.0418E, 1974.0418F - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0241, 73.016-M-0163, 73.017-M-0078, 73.017-M-0079, 73.017-M-0080, 73.017-M-0081, 73.017-M-0082, 73.017-M-0083, 73.017-M-0084, 73.017-M-0085, 73.017-M-0086, 73.017-M-0087, 73.017-M-0088, 73.017-M-0089, 73.017-M-0090, 73.017-M-0091, 73.017-M-0092, 73.017-M-0093, 73.017-M-0094, 73.017-M-0095, 73.017-M-0096, 73.017-M-0097, 73.017-M-0098, 73.017-M-0099, 73.017-M-0100, 73.017-M-0101, 73.017-M-0102, 73.017-M-0103, 73.017-M-0104.

Central African Republic:

Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1947-856, ZM-MO-1947-857, ZM-MO-1984-2073, ZM-MO-1985-281, ZM-MO-1985-298 - Bangui or Boukoko (ca. 04 06 N 18 12 E): **MNHN**: ZM-MO-1984-1638 - Birao (101700N 224700E, 469 m): **AMNH**: 150172, 150173 - Boukoko: **MNHN**: ZM-MO-1984-219, ZM-MO-1984-220, ZM-MO-1985-518 - Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268365, 269931 - Gordil (09 36 42 N 21 41 12 E): **MNHN**: ZM-MO-1984-1951, ZM-MO-1984-1952, ZM-MO-1984-1953, ZM-MO-1984-1954 - Gounda (Camp) (090300N 211200E): **MNHN**: ZM-MO-2000-857, ZM-MO-2000-887, ZM-MO-2000-888, ZM-MO-2000-889, ZM-MO-2000-890, ZM-MO-2000-891, ZM-MO-2000-892 - Gounda camp (0919N 2112E): **CM**: 73635, 73637 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-192, ZM-MO-1984-221 - Nola (033200N 160400E, 442 m): **AMNH**: 170180 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-858.

Chad:

Bébédjia (08 41 00 N 16 34 00 E, 397 m): **AMNH**: 217041; **ZMA**: MAM.13383, MAM.13384, MAM.13385, MAM.13386, MAM.13387 - Fort Archambault (09 09 00 N 18 23 00 E, 347 m): **AMNH**: 165818, 165819, 165820, 165821, 165822, 165823, 165824, 165825; **USNM**: 301936, 310936 - Kosakobo: **AMNH**: 165827, 165828, 165829, 165830 - Lake Lere (093700N 140957E): **AMNH**: 165831, 165832, 165833, 165834 - Melfi (11 03 35 N 17 55 59 E, 390 m): **SMF**: 6384, 6385, 6386, 6387, 6388; **ZMH**: 9 - N'Djamena (1210N 1459E): **USNM**: 268491.

Congo:

Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: ZM-MO-1911-1557 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1920-84 A, ZM-MO-1984-1395, ZM-MO-1984-1396, ZM-MO-1984-1397 - Lekoumou, Waterfall forest (02 45.545 S 13 36.342 E): **HZM**: 52.40188 - Mboko (00 31 54 N 14 51 44 E): **MNHN**: ZM-MO-1996-2469 - N'Gabi (031253S 161025E, 151 m): **AMNH**: 120307, 120326.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 27371, 27666, 3463; **SMF**: 90190, 90191, 90192, 90193, 90194 - Aka (04 35 00 N 29 42 00 E): **RBINS**: 13612 - Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V1838.2 - Amadjabe (00 04 S 25 17 E): **RMCA**: 97.009-M-5954 - Ankoro (06 45 S 26 57 E): **HZM**: 45.7852 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 49134, 49141, 49368; **BMNH**: 1914.4.8.4; **RMCA**: 12386, 1423, 1426, 1611, 5445 - Avakubi, near (01 20 N 27 35 E): **HZM**: 44.7851 - Babongena (00 29 23 N 25 42 21 E, 469 m): **RMCA**: 82.031-M-0007 - Bamania (00 01 00 N 18 24 00 E): **RMCA**: 75.012-M-0001 - Bambesa (03 28 00 N 25 43 00 E, 614 m): **RMCA**: 14798, 17754, 17767 - Banana (060100S 122400E, 0 m): **RMCA**: 20750, 21377 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 35639, 38708, 38709, 38710, 38711, 38712, 38713, 38714, 75.035-M-0022, 75.035-M-0023 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 22134, 23245 - Bolobo (02 09 00 S 16 14 00 E): **RMCA**: 20258 - Boma (0551S 1303E, 61 m): **AMNH**: 49392, 49393, 49394; **RMCA**: 2486 - Boteka (00 20 00 S 19 06 00 E, 333 m): **RMCA**: 85.052-M-0002 - Bukavu (02 30 30 S 28 51 39 E, 1498 m): **INPBC**: V394 - Bunia (013400N 301500E, 1332 m): **MCZ**: 28546 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 14562a, 14562b, 14585, 14903, 15737, 15738, 15739 - Catchpole's Farm (ca. 0128N 3004E, 1280 m): **FMNH**: 26239, 30711, 30712 - Cel II (ca. 03 55 00 N 29 22 00 E): **INPBC**: 3305, 3427; **RBINS**: 13571, 13572, 13573, 13574, 13575, 13576, 13579.1, 13579.2, 13580.1, 13580.2, 13582, 13583, 13585, 13587, 13591.1, 13591.2, 13592.1, 13592.2, 13593.1, 13593.2, 13594, 13595, 13596, 13597, 13598.1, 13598.2, 13598.3, 13598.4, 13600.1, 13600.2, 13601, 13602.1, 13602.2, 13609.1, 13609.2, 13615, 13616, 13617; **RMCA**: 36563, 36564, 36565, 36566, 36567, 36568, 36569, 36570, 36571a, 36571b, 36575, 36576, 36577, 36578, 36579, 36580, 36581, 36582, 36583, 36584, 36587, 36591, 36592a, 36592b, 36593, 36594, 36597 - Cinputu (05 22 00 S 22 21 00 E): **RMCA**: 84.035-M-0024 - Djamba (02 53 00 N 24 02 00 E, 419 m): **RMCA**: 8873 - Djeka (024700S 235500E): **RMCA**: 23634 - Duma (03 53 00 N 18 41 00 E, 356 m): **SMF**: 6381, 6381??6382, 6382 - Eala (00 04 00 N 18 17 00 E, 301 m): **RMCA**: 6558 - Edouard,lac (00 07 S 29 35 E): **RBINS**: 15465 - Epulu, 13 km E (ca. 0124N 2835E, 750 m): **FMNH**: 138138 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49085, 49144 (Holotype *Nycteris pallida*), 49417, 49418, 49419, 49421, 49424; **MCZ**: 17226 (Topotype *Nycteris pallida*); **RMCA**: 12390 - Fundi (00 52 00 N 27 34 00 E): **RMCA**: 1608 - Gangala na Bodio (034100N 290800E, 701 m): **INPBC**: HV.11b; **RBINS**: 8123 - Garamba National Park (04 10 00 N 29 30 00 E): **INPBC**: 5120; **RBINS**: 13569.1, 13569.2, 13570, 13578, 13590, 13605, 13618; **RMCA**: 36599 - Goma (01 40 45 S 29 13 22 E, 1499 m): **RBINS**: 14457, 14458 - How…: **RMNH**: MAM.16343 - Ikela (011100S 231600E, 425 m): **RMCA**: 25826, 25828 - Irangi (0154S 2827E): **RMNH**: MAM.16365 - Irumu (01 27 00 N 29 52 00 E, 1280 m): **FMNH**: 30713 - Irumu (01 27 00 N 29 52 00 E, 841 m): **AMNH**: 82388; **INPBC**: W508 - Ishango river (00 08 S 29 36 E, 950 m): **INPBC**: V1297.1, V1297.2, W1391 - Kadia (08 16 00 S 26 36 00 E, 556 m): **RMCA**: 11402 - Kadjidji (02 09 00 S 28 54 00 E, 1455 m): **MNHN**: ZM-MO-1984-1337, ZM-MO-1984-1345, ZM-MO-1984-1346 - Kakungu (00 07 00 S 29 37 00 E, 925 m): **RMCA**: 37121 - Kamande (00 35 00 S 29 18 00 E, 925 m): **INPBC**: V1057.1 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 26189 - Kampala (02 12 00 S 27 45 00 E, 1068 m): **MCZ**: 46087 - Kananga (05 53 45 S 22 25 04 E, 608 m): **FMNH**: 152456 - Karawa (03 20 00 N 20 18 00 E, 453 m): **RMCA**: 14568 - Kasaji (102200S 232700E, 1087 m): **RMCA**: 21807 - Kasaka (00 05 N 29 36 E, 900 m): **INPBC**: V1144.35 - Kasanga (06 30 S 16 55 E): **RMCA**: 13699 - Kasengi (02 08 11 N 31 05 06 E, 1532 m): **AMNH**: 82387 - Kasenyi (0124N 3026E, 671 m): **CAS**: 12484; **RBINS**: 15464 - Kassi river (04 15 00 N 29 35 00 E): **INPBC**: 3253; **RMCA**: 36595 - Kaswabilenga (08 48 00 S 26 41 00 E, 700 m): **RBINS**: 10808 - Kataṅda (00 50 54 S 29 22 08 E, 975 m): **INPBC**: V1838.1 - Katobwe (08 54 S 26 04 E, 610 m): **FMNH**: 29408, 29409 - Kawa (forest) (0134N 3032E, 753 m): **BMNH**: 1953.482, 1953.483; **RMCA**: 81.012-M-0014 - Kiambi (07 20 00 S 28 01 00 E, 607 m): **RMCA**: 11323 - Kiavikire (00 24 00 N 29 46 00 E, 1553 m): **INPBC**: W587 - Kingabwa (04 18 00 S 15 18 00 E): **RMCA**: 76.010-M-0003 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 82.031-M-0034 - Kisisile (01 25 S 29 30 E, 1250 m): **INPBC**: W844 - Kitonga (00 30 00 S 29 18 00 E, 920 m): **INPBC**: V1302 - Kivu, lake (ca. 02 00 S 28 55 E): **RBINS**: 14462 - Korovi, mount (013900N 303600E, 2010 m): **RMCA**: 23280 - Koteli (02 52 00 N 24 33 00 E, 432 m): **RMCA**: 8876 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 9391 - Kwamouth (03 10 00 S 16 12 00 E, 146 m): **RMCA**: 6559 - Kyavinionge (00 07 00 S 26 36 00 E, 935 m): **RBINS**: 14459; **RMCA**: 37124 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 1536 - Leverville (04 50 00 S 18 44 00 E, 307 m): **RMCA**: 9986 - Lukonzolwa (08 47 00 S 28 39 00 E, 918 m): **RMCA**: 11470 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.11.1.26, 1926.11.1.27, 1926.7.6.73, 1926.7.6.74, 1926.7.6.76, 1927.12.21.9, 1934.10.24.18; **RMCA**: 33601, 7545, 7568 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **RMCA**: 33535; **ZMZ**: 124600 - Mabwe river (08 42 S 26 29 E, 590 m): **RBINS**: 10839, 10840, 10841, 10842, 10843, 10844, 10846 - Makala (00 33 00 N 27 45 00 E, 634 m): **RMCA**: 1607, 1609 - Make (04 36 00 S 15 10 00E): **RMCA**: 92.148-M-0001, 93.097-M-0023 - Makengo (04 46 00 S 16 19 00 E, 611 m): **RMCA**: 18161 - Makpe (04 20 00 N 29 34 00 E): **RMCA**: 36573, 36574, 36596 - Makpe river, upper (04 20 N 29 34 E): **RBINS**: 13586, 13589 - Maleli (04 20 N 29 37 E): **RBINS**: 13584.1, 13584.2 - Malili (04 13 00 N 29 32 00 E): **RMCA**: 36572 - Mayumbe (ca. 05 00 S 15 00 E): **MNHN**: ZM-MO-1884-751; **RBINS**: 200b - Mbwambala (05 03 00 S 18 55 00 E): **MSB**: 274621; **RMCA**: 97.021-M-0837 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 49143; **RMCA**: 4343 - Meridi river (04 40 N 29 33 E): **RBINS**: 13611 - Moko river (04 09 N 29 43 E): **RBINS**: 13614.1, 13614.2 - Moliro (08 13 00 S 30 34 00 E, 764 m): **RMCA**: 162

- Mongbwalu (01 57 00 N 30 02 00 E, 1374 m): **RMCA**: 14382a, 14382b, 14382c, 14382d, 15560 - Mosenge (04 39 00 S 18 58 00 E, 508 m): **RMCA**: 88.011-M-0014 - Mukishi (station) (08 29 35 S 24 43 37 E): **RMCA**: 16193 - Mulungu (02 19 00 S 28 48 00 E, 1159 m): **RMCA**: 15872 - Murambi (01 08 00 S 29 27 00 E, 1275 m): **RMCA**: 37126, 37127 - Mushie (03 01 00 S 16 54 00 E, 180 m): **RMCA**: 1537 - Musosa, near (08 22 S 29 38 E): **RBINS**: 14461 - Mutsora (00 19 00 N 29 44 00 E, 1200 m): **INPBC**: V489, W1020, W814; **RMCA**: 37120, 37122, 37123, 37125 - Mutsora Station (0019N 2944E): **RBINS**: 12943 - Mutwanga (002000N 294500E, 1338 m): **RMCA**: 16603, 21546 - Mweka Kasai (04 51 00 S 21 34 00 E, 466 m): **RMCA**: 11550 - Nadegbe river (04 29 22 S 29 38 44 E): **RMCA**: 36585, 36586 - Nampume (04 21 N 29 49 E): **RBINS**: 13606.1, 13606.2 - Nampune (04 21 N 29 49 E): **RMCA**: 36588 - Ndelele (04 22 00 N 29 47 00 E, 900 m): **RBINS**: 13603 - Ndwa (020900S 162500E): **RMCA**: 20255a - Né, mount (014200N 303900E): **RMCA**: 23166 - Niambasha (02 07 00 S 28 54 00 E): **RMCA**: 28026, 28899, 28900, 28901 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 150183, 150184 - Nioka (021000N 303900E, 1793 m): **RMCA**: 21899b - Paulis (0246N 2737E, 730 m): **RMCA**: 20511 - PFSK 8 (04 02 00 N 29 51 00 E): **RMCA**: 36589, 36590, 36598 - PFSK.17 (04 18 N 29 55 E): **RBINS**: 13608 - PFSK.8 (04 20 N 29 51 E): **RBINS**: 13607 - Poko (03 09 00 N 26 53 00 E, 641 m): **RMCA**: 4336b, 4341, 4342 - Pweto (08 28 00 S 28 52 00 E, 951 m): **RMCA**: 5441b - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **NMW**: 10304; **RBINS**: 4783; **RMCA**: 17088, 17089 - Samboko river (01 00 N 29 22 E, 850 m): **INPBC**: V1034.2 - Scierie Forest (03 10 S 25 49 E): **HZM**: 43.7850 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7113 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86143, 86172, 86175, 86177 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **AMNH**: 49139, 49390, 49531; **RMCA**: 12223, 16203 - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 537703, 537705 - Teturi (01 04 00 N 29 08 00 E, 766 m): **RBINS**: 7045 - Thysville (051500S 145200E, 604 m): **RBINS**: 22431 - Tshakala (00 27 27 N 25 32 05 E, 453 m): **RMCA**: 82.019-M-0009, 97.009-M-5952, 97.009-M-5953 - Tshambi (00 44 S 29 14 E, 1050 m): **RBINS**: 4782 - Utu (river) (01 24 00 S 27 49 00 E): **RMCA**: 33531 - Utukuru (04 18 00 N 29 56 00 E): **RBINS**: 13613 - Uvira (032424S 290845E, 746 m): **MCZ**: 48240; **NMW**: 10302, 10303 - Vankerkhovenville (03 20 00 N 29 30 00 E, 791 m): **AMNH**: 49395, 49396, 49397, 49398 - Vieux Beni (00 26 00 N 29 33 00 E, 585 m): **RMCA**: 37128 - Vitshumbi (00 40 56 S 29 23 12 E, 907 m): **RBINS**: 14456 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 91.076-M-0090, 92.079-M-0111 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537704 - Yangambi (00 47 00 N 24 28 00 E, 437 m): **RBINS**: 6987.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1985-680; **SMF**: 91867, 91868, 92162 - Abengourou (06 43 47 N 03 29 47 W, 204 m): **MNHN**: ZM-MO-1985-1725 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 34996, 35675, 97.077-M-3326, 97.077-M-3327, 97.077-M-3328; **USNM**: 478937 - Bouna (09 16 00 N 03 00 00 W, 321 m): **USNM**: 467922, 467923 - Kong (0909N 0437W): **USNM**: 454495, 454496, 454497, 454498, 454499, 454500, 454501, 454502, 454503, 454504, 454505.

Equatorial Guinea:

Bata (01 51 00 N 09 45 00 E, 530 m): **MSB**: 28892, 28893; **RMCA**: 33109 - Benito River (01 36 N 09 37 E): **BMNH**: 1898.3.19.6, 1900.2.5.47 - Bioko Island (03 30 N 08 42 E): **BMNH**: 1855.12.26.252 (Holotype *Nycteris poensis*) - Bioko Island (0330N 0842E): **BMNH**: ?.

Ethiopia:

Unknown locality: **BMNH**: 1970.2198, 1971.644 - Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189571, S-189572, S-189573, S-189574, S-189575, S-189576, S-189577, S-189578, S-189579 - Arba Minch (06 02 N 37 36 E, 1284 m): **SMF**: 44987 - Aselle [= Aseita] (0800N 3900E): **USNM**: 462726, 462727, 462728, 462729, 462730, 462731, 462733 - Bahadu (10 11 35 N 40 37 08 E): **BMNH**: 1972.4310 - Filwoha Awash (0900N 3958E): **BMNH**: 1971.645; **USNM**: 497603 - Gambela (08 15 N 34 35 E, 514 m): **BMNH**: 1970.2199; **CM**: 52635; **ZFMK**: 1973.0069, 1973.0070, 1973.0071, 1973.0072, 1973.0074, 1973.0075 - Lado (0502N 4141E): **ZFMK**: 200 - Melka Were (0915N 4010E): **ROM**: 71989 - Omo valley (ca. 06 00 N 35 50 E): **MNHN**: ZM-MO-1984-1336 - Pokwo (08 09 N 34 28 E, 539 m): **SMF**: 45737, 45738.

Gabon:

Unknown locality: **ZMB**: T09385 - Lambaréné (00 42 00 S 10 13 00 E, 45 m): **MNHN**: ZM-MO-1896-2437 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1985-1410; **ZMA**: MAM.19662 - Mouila (01 52 S 11 01 E, 156 m): **MNHN**: ZM-MO-1948-486 - Ngomo (004900S 095700E, 0 m): **MNHN**: ZM-MO-1911-797 - Ogowe (0100S 1300E): **ZMH**: 5 - Omboue (0138S 0920E): **USNM**: 218491, 219084, 220896.

Ghana:

Unknown locality: **BMNH**: 1975.540 - Aburi (0540N 0011W): **USNM**: 411915 - Accra (05 33 N 00 13 W, 98 m): **BMNH**: 1933.11.1.1; **ZMB**: 3594 - Aguapim: **ZMB**: 4788 - Archimota (05 37 N 00 14 W, 82 m): **MVZ**: 183517, 183518, 183519 - Bangwon (1058N 0241W): **USNM**: 414831, 414832 - Bia (06 58 N 01 16 W): **HNHM**: 2001.10.19 - Bibianaha (06 28 N 02 20 W, 720 ft): **BMNH**: 1911.1.11.2 - Damongo (09 05 N 01 49 W, 230 m): **BMNH**: 1975.2774 - Dormaa Ahenkro (07 17 N 02 53 W, 269 m): **BMNH**: 1966.6611, 1966.6612, 1966.6613 - Gold Coast [=Goldküste] (ca. 05 20 N 00 45 W): **BMNH**: 1890.10.6.2, 1890.10.6.3, 1890.10.6.7; **USNM**: 14531 - Han, ca 25 mi SE (1015N 0209W): **USNM**: 535025, 535026 - Ho (06 36 N 00 28 E, 153 m): **ROM**: 62363 - Kade, 7 mi [=11.3 km] NE (06 09 N 00 45 W): **ROM**: 36579 - Kokofu (0743N 0053W, 151 m): **USNM**: 424848 - Kumasi (06 41 N 01 37 W, 246 m): **BMNH**: 1960.1845 - Kumasi, near (ca. 06 40 N 01 35 W): **AMNH**: 233878, 233879 - Kumasi, UST Agricultural Farm (06 45 N 01 34 W, 246 m): **ROM**: 49104, 49105, 49106 - Kuuni, 48 mi [=77 km] from (ca. 06 39 N 01 51 W, 226 m): **ROM**: 52020, 52021 - Lovi Camp (09 27 N 01 58 W): **BMNH**: 1968.1151 - Mampong (07 04 N 01 24 W, 385 m): **BMNH**: 1937.8.12.5 - Mankesin (0516N 0101W): **USNM**: 411875 - Mole Motel (09 50 N 01 49 W): **BMNH**: 1975.2878, 1975.2879, 1975.2880, 1976.1470 - Mole Motel (0950N 0149W): **BMNH**: 1975.2878_1, 1975.2878_2, 1975.2878_3 - Mpesetia (06 39 N 01 51 W, 226 m): **ROM**: 49094 - Mpraeso (06 35 N 00 44 W, 367 m): **ROM**: 56524 - Nabogo (0944N 0049W): **USNM**: 424845, 424846, 478988, 478989, 478990, 478991 - Obomen (06 35 N 00 45 W, 402 m): **ROM**: 49100, 49102 - Oda (05 55 N 00 56 W, 122 m): **BMNH**: 1946.115 - Pampramase (06 40 N 02 55 W): **BMNH**: 1972.187 - Pirisi (100700N 022700W): **USNM**: 478955 - Pirisi (1007N 0227W): **USNM**: 414793, 414794, 414795, 414796, 414797, 414798, 414800, 414801, 414802, 414803, 414804, 414805, 414806, 414807, 414808, 414809, 414810, 414811, 414812, 478949, 478950, 478951, 478952, 478953, 478954, 478956 - Prang (07 59 N 00 53 W, 111 m): **BMNH**: 1937.8.12.3, 1937.8.12.4 - Pulima (105100N 020300W): **USNM**: 414826, 478957 - Pulima (1051N 0203W): **USNM**: 414813, 414814, 414815, 414816, 414817, 414818, 414820, 414821, 414822, 414823, 414824, 414825, 414827, 414828, 414829, 414889 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414833, 414834, 414835, 414836, 414837, 414838, 414839, 414840, 414841, 414842, 478958, 478959, 478960, 478961, 478962, 478963, 478964, 478965, 478966, 478967, 478968, 478969, 478970, 478971, 478972, 478973, 478974, 478975, 478976, 478977, 478978, 478979, 478980, 478981, 478982, 478983, 478984, 478985, 478986, 478987 - Sawla, 15 mi [=24 km]E (ca. 09 17 N 02 25 W): **BMNH**: 1968.1153, 1968.1154,

1968.1155 - Sogakofe (0600N 0036E): **BMNH**: 1958.662 - undefined locality (Eastern region) (06 45 N 01 30 W): **ROM**: 51634.

Guinea:

Mount Nimba (073700N 082500W): **MNHN**: ZM-MO-1985-297 - Ouassou (1004N 1340W): **NMW**: 10341 - Sérédou (08 22 56 N 09 17 59 W): **MNHN**: ZM-MO-1970-464, ZM-MO-1970-465 - Yomou (prefecture) (ca. 07 30 N 09 10 W): **MNHN**: ZM-MO-1985-1160, ZM-MO-1985-1161 - Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1985-1144, ZM-MO-1985-1715 - Zouguépo (074220N 082426W, 526 m): **MNHN**: ZM-MO-1985-1716.

Guinea-Bissau:

Enchalé (11 59 N 14 58 W, 8 m): **MNHN**: ZM-MO-1985-289.

Kenya:

Unknown locality: **BMNH**: 1975.2436; **USNM**: 21022 - Athi river (0259S 3831E): **USNM**: 350863, 350872 - Benane (0032N 3838E, 366 m): **ROM**: 71098 - Central island (03 30 N 36 02 E, 381 m): **BMNH**: 1973.112 - Coast [former] province: **SMF**: 19866, 19867 - Ferguson's Gulf (0331N 3555E): **BMNH**: 1973.113 - Fort Hall [=Muranga] (0042S 3740E, 4000 ft): **BMNH**: 1902.7.6.3 - Galana Ranch (Headquarters) (03 20 00 S 39 20 00 E): **BRTC**: 27849 - Kaimosi (00 08 S 34 47 E): **MCZ**: 31153, 31154, 31155, 31157 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 50443, 50444 - Keekevok (ca. 0016S 3745E): **ROM**: 38292, 38293 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **ROM**: 91175 - Kibuyuni area (042357S 391854E): **CUMV**: 13596 - Kilifi (0338S 3951E, 61 m): **ROM**: 36287 - Kipkabus (00 18 00 N 35 30 00 E, 2543 m): **WAM**: M16547 - Kisii (0040S 3447E): **BMNH**: 1971.1461 - Kisumu (0006S 3445E, 1131 m): **MNHN**: ZM-MO-1905-194 - Kitui (0122S 3801E, 3 500 ft): **ZMB**: 5262 - Konza Farm (014500S 370700E): **CUMV**: 14725 - Kyanguli (004839S 382302E): **ROM**: 100077 - Lake Bilisa (021401S 400758E): **ROM**: 71307, 71337 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **WAM**: M16543 - Leopard Rock Lodge (00 12 N 38 12 E): **SMF**: 38572 - Lukore area (04 13 S 39 25 E): **CUMV**: 13595 - Machakos district (02 00 S 37 40 E): **BMNH**: 1901.12.9.1 - Malindi (0314S 4005E): **BMNH**: 1910.4.20.2 - Marsabit road (0220N 3759E): **USNM**: 184320 - Mazeras (0358S 3933E): **BMNH**: 1910.9.22.6 - Molo river (0155S 3545E, 7500 ft): **CAS**: 11914 - Mombassa (040300S 394000E, 0 m): **MNHN**: ZM-MO-1881-303, ZM-MO-1881-304 - Mukanda river (04 10 S 39 27 E, 152 m): **RMNH**: MAM.27128 - Mumias (0020N 3429E): **BMNH**: 1910.4.2.3 - Muranga (0042S 3740E): **BMNH**: 1904.2.4.4, 1904.2.4.5, 1904.2.4.6, 1905.6.2.2, 1905.6.2.3, 1905.6.2.4 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **USNM**: 166517 - Naivasha (00 43 S 36 26 E, 2085 m): **ROM**: 65408 - Naivasha, 2 mi [= 3.2 km] SE (Lake Hotel) (00 44 S 36 26 E): **FMNH**: 152455 - Ngambo (0030N 3605E, 1036 m): **ROM**: 75465 - Ngatana (ca. 0211S 4011E): **MCZ**: 31842 - Nguruman Escarpment (0145S 3602E, 610 m): **ROM**: 71372 - Shell BM Camp (0231S 4031E): **ROM**: 71248 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **KU**: 150741 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **ZMA**: MAM.20750 - Talek Gate, 4.3 km NW (01 23 S 34 53 E, 1530 m): **FMNH**: 123798, 123799, 123800, 123801, 123802, 123803, 123804, 123805, 153531 - Talek Gate, 4.3 km NW (01 23 S 34 53 E, 1540 m): **FMNH**: 134442 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **ROM**: 59184.

Liberia:

Barclay, mount [see Rosevear (1965) 0621N 1016W] (0448N 0810W): **BMNH**: 1912.5.9.1 - Du River (061434N 103224W): **MCZ**: 24153 - Duside Plantation (062057N 102748W): **AMNH**: 89452 - Firestone Plantation (062400N 102200W): **MVZ**: 133062, 133063, 133064 - Harbel (06 16 47 N 10 20 51 W, 95 m): **USNM**: 269976 - Jaoudi, ca. 12 mi SSE: **AMNH**: 256540 - Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 12611 - Schieffelinsville (06 13 17 N 10 32 16 W, 94 m): **RMNH**: MAM.27226.

Malawi:

Chintheche (11 05 00 S 34 10 00 E, 482 m): **RMCA**: 95.003-M-0024 - Fort Johnston (1429S 3516E): **BMNH**: 1895.8.18.4, 1895.8.18.5 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.28346 - Shire river, upper (1600S 3500E): **BMNH**: 1896.10.24.1; **SMTD**: B3759 - Upper Shire River (1601S 3505E): **FMNH**: 8244.

Mali:

Unknown locality: **MNHN**: ZM-MO-1863-25 A, ZM-MO-1863-25 B; **SMF**: 92107, 92108 - Niono (14 15 09 N 05 59 35 W, 263 m): **ZMA**: MAM.24375.

Mauritania:

Garak (16 33 N 15 46 W, 45 m): **USNM**: 401332, 401333, 401334, 401335, 401336, 401337, 401338, 401339, 401340, 401341, 401342, 401343, 401344, 401345, 401346, 401347, 401348, 401349, 401350, 401351, 401352, 401353, 401354, 401355, 401356, 401357, 401358, 401359, 401360, 401361, 401362, 401363, 401364, 401365, 401366, 401367, 401368, 401369, 401370, 401371, 401372, 401373, 401374, 401375, 401376, 401377, 401378, 401379, 401380, 401381, 401382, 401383, 478802, 478803, 478804, 478805, 478806, 478807, 478808, 478809, 478810, 478811, 478812, 478813, 478814, 478815, 478816, 478817, 478818, 478819, 478820, 478821, 478822, 478823, 478824, 478825, 478826, 478827, 478828, 478829, 478830, 478831, 478832, 478833, 478834, 478835, 478836, 478837, 478838, 478839, 478840, 478841, 478842, 478843, 478844, 478845, 478846, 478847, 478848, 478849, 478850, 478851, 478852, 478853, 478854, 478855, 478856, 478857, 478858, 478859, 478860, 478861, 478862, 478863, 478864, 478865, 478866, 478867, 478868, 478869, 478870, 478871, 478872, 478873, 478874, 478875, 478876, 478877, 478878, 478879, 478880, 478881, 478882, 478883, 478884, 478885, 478886, 478887, 478888, 478889, 478890, 478891, 478892, 478893, 478894, 478895, 478896, 478897, 478898, 478899, 478900, 478901, 478902, 478903, 478904, 478905, 478906, 478907, 478908, 478909, 478910, 478911, 478912, 478913, 478914, 478915, 478916, 478917, 478918, 478919, 478920, 478921, 478922, 478923, 478924, 478925, 478926.

Mozambique:

Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8546 - Inhambane (24 00 S 35 28 E): **ZMB**: 394/85665 (Holotype *Nycteris villosa*) - Inhambane (2400S 3528E): **ZMB**: 85665 - Meponda (13 24 05 S 34 52 14 E, 590 m): **DNSM**: 8646 - Quilimane (1753S 3651E): **ZMH**: 7A.

Namibia:

Nampini (17 51 S 23 20 E, 2900 ft): **KM**: 17146; **TM**: 12347.

Nigeria:

Unknown locality: **BMNH**: 1895.5.3.10, 1895.5.3.11, 1952.1262, 1988.221, 1989.118 - Afon (0819N 0431E): **USNM**: 402690, 402691, 402692, 402693, 402694, 402695, 402696, 402697, 402698, 402699, 402700, 402701, 402702 - Araba (1313N 0502E): **BMNH**: 1925.5.3.9 - Asaba (06 11 00 N 06 45 00 E, 54 m): **BMNH**: 1895.5.3.9 - Dikwa, 31 mi NE (1201N 1355E): **USNM**: 378801, 378802, 378803, 378804, 378805, 378806, 378807, 378808, 378809, 378810 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **BMNH**: 1955.622, 1957.430 - Ibadan University College (07 23 16 N 03 53 47 E, 237 m): **AMNH**: 204298 - Igbo-ora (0726N 0317E): **USNM**: 402703 - Karaduwa (1219N 0741E): **USNM**: 402704, 402705, 402706 - Lagos (0627N 0323E): **BMNH**: 1920.3.18.4, 1971.1494 - Mambila plateau (063100N 112200E): **ROM**: 86285 - Numan (0928N 1203E): **BMNH**: 1978.186 - Old Calabar (04 56 N 08 22 E): **BMNH**: 1864.2.20.2; **NMV**: 46985

- Panyam [Fish Farm] (0925N 0913E): **BMNH**: 1911.3.24.6 - Umuahia (0531N 0726E): **BMNH**: 1953.709, 1953.710, 1953.711, 1953.712 - Yo (1332N 1315E): **BMNH**: 1969.526, 1969.528, 1969.530, 1969.531; **ROM**: 68773, 68774, 68775, 68776, 68777, 68778, 68779, 68780, 68781, 68782, 68783 - Zaria (1101N 0744E): **BMNH**: 1945.375 - Zungeru (094846N 060921E, 149 m): **USNM**: 378811, 378812, 378813, 378814, 378815.

Rwanda:

Astrida (023550S 294420E, 1733 m): **RMCA**: 20490 - Butare (023550S 294420E, 1733 m): **RMCA**: 81.012-M-0010 - Cyili Ntyano (020300S 294600E): **RMCA**: 87.047-M-0001 - Kisenyi (01 41 15 S 29 15 17 E, 1450 m): **RMCA**: 17339 - Lac Ihema (01 52 12 S 30 46 45 E): **ZMA**: MAM.21230 - Nyarutovu (02 37 00 S 29 36 00 E, 2000 m): **MHNG**: 921.035; **RMCA**: 81.012-M-0029 - Rukara (014755S 303002E, 1625 m): **RMCA**: 81.012-M-0030, 81.012-M-0031, 81.012-M-0032, 81.012-M-0033, 81.012-M-0034.

Senegal:

Badi (13 09 00 N 13 14 00 W, 34 m): **RMCA**: 78.014-M-0001 - Dialocote (1312N 1320W): **BMNH**: 1911.6.10.6, 1911.6.10.7, 1911.6.10.8, 1911.6.10.9 - Diattacounda (1234N 1540W): **ZFMK**: 1976.0025, 1976.0158, 1976.0159, 1976.0160, 1976.0164, 1976.0168, 1976.0171, 1976.0180 - Kedougou (1235N 1209W): **FMNH**: 42173, 42176; **USNM**: 260062, 260063, 260164, 260165 - Niokolo-Koba (130028N 125453W): **MNHN**: ZM-MO-1985-929, ZM-MO-1985-930, ZM-MO-1985-931, ZM-MO-1985-932 - Podor (16 38 56 N 14 57 39 W, 11 m): **USNM**: 377879, 377880, 377881, 377882, 377883, 377884, 377885, 377886, 377887, 377888, 377889, 377890, 377891, 377892, 377893, 377894, 377895, 377896, 381328 - Richard Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1984-1277, ZM-MO-1984-1278, ZM-MO-1984-1326, ZM-MO-1984-1327, ZM-MO-1984-1328, ZM-MO-1984-1329, ZM-MO-1984-1330, ZM-MO-1984-1331, ZM-MO-1984-1332, ZM-MO-1985-291, ZM-MO-1985-292 - Silacounta (12 38 39 N 12 07 25 W, 90 m): **MNHN**: ZM-MO-1995-650, ZM-MO-1995-651, ZM-MO-1995-652, ZM-MO-1995-653.

Sierra Leone:

Bonthe (0732N 1230W): **BMNH**: 1953.596, 1953.597; **NMBE**: M.114 A-1, M.114 A-2 - Kabala (09 35 N 11 33 W, 456 m): **MNHN**: ZM-MO-1992-217 - Makeni (0857N 1202W): **BMNH**: 1962.2072 - Musaia (09 45 00 N 11 34 00 W, 423 m): **BMNH**: 1962.1773 - Njala (08 07 04 N 12 05 04 W, 67 m): **BMNH**: 1950.1898, 1950.1899, 1959.213, 1960.150; **ROM**: 51047, 51053 - Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 546965 - Rokupr (0850N 1240W): **BMNH**: 1939.491.

Somalia:

Afmadu (0027N 4205E): **MZUF**: 5904, 5906 - Somalia: **USNM**: 38191.

South Africa:

"Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: **BMNH**: 1850.4.22.1; **MSNG**: IX1886 - Hells Gate (28 02 35 S 32 25 45 E, 39 m): **DNSM**: 6997 - Hlabisa (28.18S 31.95E): **KM**: 25969 - Mission Rocks (28 15 36 S 32 29 48 E, 4 m): **DNSM**: 2431, 2432 - Ngwavuma (27.27S 32.73E): **KM**: 23584 - Port St. Johns (3138S 2933E): **SAMC**: 5444 - St. Lucia Forest Station (28 21 S 32 24 E, 100 m): **DNSM**: 2458 - Umdoni Park (30 24 S 30 41 E, 50 m): **KU**: 135028.

South Sudan:

Bangangai forest (0451N 2745E): **FMNH**: 108144 - Bor (06 12 26 N 31 33 33 E, 406 m): **FMNH**: 68146, 68147, 68148, 68149; **USNM**: 164967, 164968, 166510, 166511, 166512, 166513, 166514, 166515 - Duk Fagul (0633N 3100E): **USNM**: 297470 - Hellet Nuer (0817N 3019E): **ZFMK**: 202 - Kaka (1041N 3213E): **BMNH**: 1901.8.8.10 - Kapoeta (0450N 3335E): **FMNH**: 85447 - Khor Attar (0920N 3125E): **NMW**: 8517 - Kongor (07 10 N 31 20 E): **BMNH**: 1920.4.26.3, 1920.4.26.4, 1966.3420, 1966.3421, 1966.3422; **KM**: 1673, 1674 - Kongor (0710N 3120E): **FMNH**: 48765, 48766 - Lafon (0505N 3229E): **ZMUC**: 3152, 3153, 3154, 3184, 3185, 3190, 3191 - Logirim (044258N 331433E, 639 m): **FMNH**: 77677 - Mongalla (051057N 314500E, 466 m): **ROM**: 77216, 77218 - Mongalla (0510N 3150E): **BMNH**: 1902.7.4.1, 1921.7.7.2, 1921.7.7.3; **NMW**: 8518, 8519, 8520; **ZMUC**: 3155, 3156, 3157, 3158, 3159 - Nile, upper: **BMNH**: 1921.9.4.1 - No, lake (0925N 3035E): **ZFMK**: 203 - Nyibor, Lake (06 55 N 30 10 E): **AMNH**: 184477, 184478, 184479, 184480, 184520, 184521, 184523, 184524, 184525, 184526, 184527, 184528, 184529, 184530, 184531, 184532, 184533 - Palwar (0355N 3236E, 1237 m): **FMNH**: 78476, 78477, 78755, 78756, 78757, 79592, 79593, 79594, 79595 - Renk (1148N 3240E): **BMNH**: 1901.8.8.11, 1901.8.8.45, 1901.8.8.7, 1901.8.8.9 - Shambe (0708N 3048E): **ROM**: 72084 - Tirangole (042841N 324912E, 664 m): **FMNH**: 68152, 68153, 68154, 68155 - Tonga (0930N 3103E): **BMNH**: 1922.3.3.8; **NMW**: 8426, 8427, 8428, 8429, 8430, 8431, 8432, 8433, 8434, 8435, 8436, 8437, 8438 - Tonj (0715N 2845E): **ROM**: 62611-b, 72067 - Torangole (4000 ft): **AMNH**: 184474, 184475, 184476 - Torit (0427N 3231E): **USNM**: 368881; **ZMUC**: 3186 - Torit (0427N 3231E, 610 m): **FMNH**: 66617, 66618, 66619, 66620, 66621, 67492, 68150, 68151, 68156, 68157, 68158, 68159, 68162 - Torit District (ca. 0425N 3235E, 3000 ft): **AMNH**: 184499, 184500, 184501, 184502, 184503, 184504, 184505, 184506, 184507, 184508, 184509 - Wau, 100 mi N (9.16481N 28.000E): **FMNH**: 81590, 81591, 81592, 81593, 81594.

Sudan:

Unknown locality: **BMNH**: 1901.8.8.8 - Angolo (camp) (10 30 25 N 29 57 35 E): **SMF**: 32661, 32662, 32663, 32664, 32665, 32666, 32667 - Bahr el Shagal: **ZMB**: T09666 - Buram (10 36 N 29 57 E): **SMF**: 32658, 32659, 32660, 32670, 32680, 32681, 32682, 32683, 32684, 32685, 32686, 32687, 32688, 32689, 32690, 32691, 32692, 32693, 32694 - Disa (1200N 3420E): **BMNH**: 1967.2137, 1967.2138, 1967.2139 - Gallabat (1257N 3609E): **NMW**: 27872 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **BMNH**: 1863.3.9.3; **NMW**: 27860, 27861, 27863, 27864, 27865, 27866, 27867, 27868, 27869, 27870, 27871 - Subeigh Forest Reserve (12 27 N 34 12 E): **SMF**: 32674, 32675, 32676, 32677, 32678, 32679 - Wad Medani (14 24 N 33 32 E, 414 m): **ROM**: 62611, 62611-a, 77217, 77219.

Tanzania:

Unknown locality: **BMNH**: 1964.1338; **HNHM**: 2000.33.1 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **TM**: 16011 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **MNHN**: ZM-MO-1881-293, ZM-MO-1881-294, ZM-MO-1881-295, ZM-MO-1881-296, ZM-MO-1881-297, ZM-MO-1881-298, ZM-MO-1881-299, ZM-MO-1881-300, ZM-MO-1881-301, ZM-MO-1881-302 - Bagilo (0710S 3740E): **MCZ**: 22788 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22280, MAM.22282 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **BMNH**: 1973.111; **FMNH**: 48764 - Dar-Es-Salaam region: **SMF**: 70459 - Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187139 - Gonja Forest Reserve (04 16 S 38 02 E, 550 m): **FMNH**: 151191 - Grummetti (02 05 S 33 57 E): **BMNH**: 1975.907 - Ilonga Research and Training Centre (0651S 3659E): **BMNH**: 1978.1643 - Kamanga (ca. 02 32 02 S 32 50 20 E): **ZMA**: MAM.22283 - Kigoma region: **SMF**: 75879 - Kilosa (06 50 S 36 59 E, 572 m): **MCZ**: 22789 - Kisarawe (0653S 3903E): **BMNH**: 1920.6.10.7 - Kulumuzi caves (0504S 3906E): **MNHN**: ZM-MO-1911-728 - Mangula (0751S 3652E, 350 m): **FMNH**: 158587, 158623 - Mbeya region: **SMF**: 62872, 62873, 62874 - Mikumi National Park, H.Q. (07 22 S 37 00 E): **BMNH**: 1979.1679 - Minaki, St. Andrews College (06 54 01 S 39 05 32 E): **KU**: 139022, 89940, 89941, 89942 - Mombo (0453S 3816E, 513 m): **ROM**: 73236 - Morogoro region: **SMF**: 82524 - Muansa [=Mwanza] (02 31 S 32 54 E, 1209 m): **ZMB**: 11389 - no specific locality: **ZMB**: T09290 - Nyegezi (02

31 27 S 32 53 25 E): **ZMA**: MAM.22301, MAM.24118, MAM.24119, MAM.24120 - Pwani region: **SMF**: 79592 - Rukwa (Game Reserve) (07 10 S 32 00 E): **RBINS**: 13103, 14460 - Seronera (02 25 S 34 50 E, 1463 m): **RBINS**: 15632 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ZMB**: 10105 - Tanga region: **SMF**: 79593, 85512, 86378 - Tanzania: **NMW**: 29838 - Ugala River (05 08 S 32 42 E): **MNHN**: ZM-MO-1966-178, ZM-MO-1966-179, ZM-MO-1966-180, ZM-MO-1966-181 - Ukara island (0150S 3303E): **BMNH**: 1964.1339 - Zanzibar (06 10 S 39 20 E): **MNHN**: ZM-MO-1890-214.

The Gambia:

Madiyana Camp (13 33 57 N 16 31 54 W): **SMF**: 91046, 91047.

Togo:

Agou (06 53 00 N 00 44 00 E, 488 m): **USNM**: 437622 - Atakpamé (07 32 00 N 01 08 00 E, 376 m): **RMCA**: 73.009-M-0075, 73.009-M-0076 - Badou - Anonoe (07 35 00 N 00 36 00 E): **RMCA**: 73.009-M-0077 - Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0232, 73.013-M-0233 - Dapango (10 51 50 N 00 12 18E, 306 m): **USNM**: 437614, 437615 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0147, 73.011-M-0148 - Nanergou (10 55 00 N 00 09 00 E, 303 m): **RMCA**: 73.009-M-0078, 73.009-M-0079, 73.009-M-0080, 73.009-M-0081, 73.009-M-0082, 73.009-M-0083, 73.009-M-0084, 73.009-M-0085, 73.009-M-0086, 73.009-M-0087, 73.009-M-0088, 73.009-M-0089, 73.009-M-0090, 73.009-M-0091, 73.009-M-0092, 73.009-M-0093, 73.009-M-0094, 73.009-M-0095, 73.009-M-0096, 73.009-M-0097, 73.009-M-0098, 73.009-M-0099, 73.009-M-0100, 73.009-M-0101, 73.009-M-0102, 73.009-M-0103, 73.009-M-0104, 73.009-M-0105, 73.009-M-0106, 73.009-M-0107, 73.009-M-0108, 73.009-M-0109, 73.009-M-0110, 73.009-M-0111, 73.009-M-0112, 73.009-M-0113, 73.009-M-0114, 73.009-M-0115, 73.009-M-0116, 73.009-M-0579 - Nuatja (06 57 00 N 01 10 00 E, 146 m): **RMCA**: 73.009-M-0510, 73.009-M-0511 - Paio (10 14 00 N 00 43 00 E, 146 m): **RMCA**: 73.009-M-0119 - Togoville (06 12 41 N 01 28 41 E, 63 m): **RMCA**: 73.011-M-0157.

Uganda:

Budongo Forest (0146N 3133E): **ROM**: 46701 - Bufumira Island (0022S 3224E): **FMNH**: 149695 - Buligi (0215N 3145E): **ROM**: 48709 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **BMNH**: 1906.3.8.5, 1906.3.8.6, 1965.451 - Kalangala, 1.0 km N, 0.5 km E (001832S 321330E, 1140 m): **FMNH**: 137625, 137626 - Kasenju (0002S 3009E, 3000 ft): **CAS**: 12489, 12522 - Katwe (0008S 2953E): **CAS**: 11912, 11913; **ROM**: 38294 - Mbarara (0036S 3040E): **BMNH**: 1966.3608 - Miveya (001427S 295508E, 914 m): **MVZ**: 124244 - Nimule (033600N 320300E, 743 m): **AMNH**: 184481, 184482, 184483, 184484, 184486, 184487 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 165131 - Ruwenzori SE (00 22 N 30 00 E): **BMNH**: 1906.12.4.16, 1906.12.4.17, 1906.12.4.75, 1906.12.4.76 - Soroti, 25 mi [= 40 km] N (0205N 3337E, 1219 m): **FMNH**: 67886, 67887, 67976, 67977, 67978, 67979, 67980, 67981, 67982, 67983, 67984, 67985 - Wasa River (010200N 303000E): **BMNH**: 1930.11.11.80.

Zambia:

Balovale (13 33 00 S 23 07 00 E, 1090 m): **KM**: 1671, 1672 - Chingi, Chavuma (13.02S 22.73E): **NHMZ**: 10174 - Kabompo Boma (133600S 241200E, 1027 m): **NHMZ**: 8295 - Kalabo (14 58 S 22 41 E, 1019 m): **NMZL**: 2936, 2936a, 2936b, 2937 - Limulunga (150600S 230900E, 1024 m): **AMNH**: 118518 - Lochinvar ranch (1550S 2714E): **NHMZ**: 22971, 22972 - Luangwa Valley (12.75S 32.08E): **LACM**: 69840 - Mongu (15.15S 23.17E): **KM**: 8049 - Nchelenge (09.35S 28.75E): **NMZL**: 3686 - Nyansowe stream (12 14 S 25 34 E): **MSB**: 34630 - Sakeji Stream, headwaters (11 21 S 24 15 E, 1430 ft): **NMZL**: 3687 - Salujinga (1058S 2407E): **NHMZ**: 11554 - Sumbu (0831S 3039E, 770m): **HNHM**: 76.155.1.

Zimbabwe:

Mana Pools NP (15.8S 29.33E): **HZM**: 48.5092 - Mana Pools-NP (1543S 2925E): **HZM**: 48.25092 - Mashumbi Pools (16.17S 30.07E): **NHMZ**: 32126 - Pungwe River (1833AC): **NHMZ**: 60538.

Nycteris intermedia Aellen, 1959

Angola:

Lucano (1115S 2140E): **BMNH**: 1957.495.

Cameroon:

Nkometou (04 03 00 N 11 33 00 E, 613 m): **RMCA**: 73.015-M-0093, 73.015-M-0094 - Tisongo, Lake (0325N 0954E): **USNM**: 511917.

Central African Republic:

Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268372.

Congo (Democratic Republic of the):

Unknown locality: **SMF**: 6383 - Djelube river, middle (00 31 00 S 29 44 00 E, 1100 m): **INPBC**: V1076.1, V1076.2, V1077.1, V1077.2 - Ituri Forest (01 00 00 N 29 16 00 E): **BMNH**: 1930.11.11.82 - Karambi (02 45 02 S 28 38 24 E): **RMNH**: MAM.16340 - Kisanga (0225S 2818E): **BMNH**: 1962.1850 - Ruanoli-Mavea confluence (00 40 00 N 29 43 00 E, 800 m): **INPBC**: V1668.4 - Teturi (01 04 00 N 29 08 00 E, 766 m): **RBINS**: 7046 - Virunga National Park (01 00 00 S 29 15 00 E): **INPBC**: V1655.

Côte d'Ivoire:

Unknown locality: **SMF**: 91859 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **MHNG**: 923.094 (Holotype *Nycteris intermedia*) - Cosrou (0519N 0439W): **MHNG**: 923.095 (Paratype *Nycteris intermedia*), 923.096 (Paratype *Nycteris intermedia*), 923.097 (Paratype *Nycteris intermedia*) - Lakota, 15 km N (0550N 0540W): **CM**: 69155.

Gabon:

Bengoué (00 58 S 09 11 E, 0 m): **MHNG**: 1326.024 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MHNG**: 1626.002.

Ghana:

Oda (05 55 N 00 56 W, 122 m): **BMNH**: 1946.116, 1946.117, 1946.235; **USNM**: 439939.

Guinea:

Gbié (07 39 55 N 08 19 10 W, 508 m): **MNHN**: ZM-2015-1357 - Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1985-1143.

Liberia:

Ziggida, 1 km E, 13 km N (759 m): **AMNH**: 265707.

Tanzania:

Gombe Stream National Park (0430S 2940E): **BMNH**: 1973.114.

Nycteris macrotis Dobson, 1876

"Africa":

Unknown locality: **BMNH**: 1912.5.19.2, CN10.A; **MNHN**: ZM-MO-1985-1194; **NMBE**: 5271 - "Congo": **MIZT**: CHIR.2 - Baruma: **ZFMK**: 1979.0655 - Dume: **ZMB**: T10373 - Jala plains: **BMNH**: 1912.5.19.1, 1912.5.19.3, 1912.5.19.4.

Angola:

Bungo (0726S 1533E): **BMNH**: 1909.10.1.31 - Cabuta (09.88S 14.88E): **IICA**: 6589 - Cambo, 60 km N (1020S 2006E): **YPM**: MAM 000191 - Cassoalalla (0930S 1420E): **BMNH**: 1909.10.1.9 - Cunga (0922S 1337E): **USNM**: 18797 - Dundo (0722S 2050E, 726m): **MDL**: 5001, 5002, 5003, 5005, 5008, 5009, 5170a, 5170b, 5170c, 5170d, 5170e, 5203a, 5203b, 5206a, 5800 - Dundo (0724S 2047E, 726m): **FMNH**: 66474, 66475, 66476, 66477, 66478, 66479, 66480 - Pungo Andongo [Quibula, Cahata] (0940S 1535E, 1200 m): **BMNH**: 1904.4.9.13.

Benin:

Unknown locality: **MNHN**: ZM-MO-1916-443 - Angaradébou (11 19 23 N 03 02 22 E): **ZMA**: MAM.23345 - Bimbereke (1014N 0240E): **USNM**: 421304, 421305, 421306 - Bodjecali (11 48 34 N 03 22 59 E, 252 m): **ZMA**: MAM.22969 - Mékrou river (ca. 12 18 N 002 40 E): **ZMA**: MAM.19184 - Porga (1102N 0058E): **USNM**: 478007, 479004, 479005, 479006, 479007, 479008, 479009, 479010, 479011 - Zizonkame (0755N 0201E): **USNM**: 438875, 438876.

Botswana:

Maun (19 59 S 23 25 E, 927 m): **NHMZ**: 64232 - Savuti R (18.62S 24.12E): **NHMZ**: 64217 - Serula (2158S 2720E): **USNM**: 479060.

Burkina Faso:

Unknown locality: **SMF**: 60941, 60942 - Founzan (1127N 0314W): **USNM**: 454587, 454589, 454595, 454599, 454606, 454607, 454608, 454612, 454614, 454615 - Goden (12 12 00 N 02 04 00 W, 308 m): **USNM**: 450594, 450636, 450637, 450638 - Konankira (1254N 0353W): **USNM**: 454567, 454568 - Natiaboani (11 41 57 N 00 30 22 E, 268 m): **RMCA**: 97.077-M-3161; **USNM**: 450522, 450523, 450524, 450525, 450526, 450527, 450606, 450607, 450608, 450609, 450610, 450611, 450612, 450613, 450639, 450640, 450641, 450642, 450643, 450644, 450645, 450646, 450647, 450648, 450649, 450650, 450651, 450652, 450653, 450654, 450655, 450656, 450657, 450658, 450659, 450660, 450661, 450662, 450663, 450664, 450665, 450666, 450667, 450668, 450669, 450670, 450671, 450672 - Nayouré (12 16 00 N 00 15 00 E, 296 m): **RMCA**: 97.077-M-3164 - Nayouré (1215N 0016E): **USNM**: 452806 - Nayouré, 3 km SE (1215N 0016E): **USNM**: 452801, 452802, 452803, 452804, 452805, 452807, 452808, 452809, 452810, 452811, 452812, 452813, 452814, 452815, 452816, 452818, 452819, 452820, 452821, 452822, 452823, 452824, 452825, 452826, 452827, 452828, 452829, 452830, 452831, 452832, 452833, 452834 - Nobéré, 1 km S (1126N 0110W): **AMNH**: 237383 - Nobere, 1 km S (1136N 0118W): **ROM**: 79843 - Nobere, 1.5 km S (1136N 0118W): **ROM**: 79844 - Nobéré, 9 mi S (ca. 1126N 0110W): **USNM**: 450632, 450633, 450634, 450635 - Orodara, 27 km ENE (1104N 0441W): **USNM**: 468038.

Burundi:

Resha (0354S 2924E): **SMF**: 57532, 57533.

Cameroon:

Eséka (0340N 1045E): **AMNH**: 236297, 238281 - Galim (07 06 00 N 12 29 00 E, 1120 m): **RMCA**: 73.016-M-0160 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55641 - Mamfe (05 46 00 N 09 17 00 E, 459 m): **USNM**: 414088, 414089, 414090, 414091, 414092, 414093, 414094, 414095, 414096, 414097, 414098, 414099, 414100, 414101, 414102 - Ngaaouyanga (07 54 N 13 36 E, 610 m): **MHNG**: 1626.007 - Touroua (09 05 00 N 12 58 00 E, 202 m): **RMCA**: 76.014-M-0049 - Victoria (04 00 36 N 09 09 36 E): **ZMB**: T09377 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.016-M-0157, 73.016-M-0158, 73.016-M-0159, 73.017-M-0072; **ZFMK**: 1974.0308, 1974.0309, 1974.0310, 1974.0311, 1974.0312, 1974.0424A, 1974.0424B, 1974.0424C, 1974.0424D, 1974.0424E - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0243, 73.015-M-0244, 73.015-M-0245, 73.017-M-0105, 73.017-M-0106, 73.017-M-0107 - Yaounde (0352N 1131E, 1025 m): **ZMB**: T10022.

Central African Republic:

Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-859.

Chad:

N'Djamena (1210N 1459E): **USNM**: 268492, 268493.

Congo:

Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MHNG**: 1074.016; **MNHN**: ZM-MO-1984-1387 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1886-143 - Doumboula [cave] (0415S 1300E): **MNHN**: ZM-MO-1985-1197, ZM-MO-1987-1196 - Loudima cave (04 15 S 13 00 E): **MHNG**: 1074.017, 1074.018 - Sibiti (03 41 09 S 13 20 45 E, 440 m): **MNHN**: ZM-MO-1984-1389.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 23302, 23303, 23304, 23305 - Alima (00 35 00 N 29 18 00 E): **RMCA**: 28155b - Babongena (00 29 23 N 25 42 21 E, 469 m): **RMCA**: 82.031-M-0008, 82.031-M-0009, 82.031-M-0010 - Bokalakala (020800S 162200E, 252 m): **RMCA**: 28542 - Bokungu (004100S 221900E, 402 m): **RMCA**: 18715 - Boma (0551S 1303E, 61 m): **RMCA**: 13700a, 13700b, 13700c, 13702, 13703, 13704, 6066, 6067, 6068a, 6069 - Djamba (02 53 00 N 24 02 00 E, 419 m): **RMCA**: 16195 - Eastern Congo: **RMNH**: MAM.16342 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49422 - Garamba National Park (04 10 00 N 29 30 00 E): **AMNH**: 49399; **RBINS**: 13623, 13624 - Grotte de Baya (11 52 00 S 27 27 00 E, 1279 m): **RMCA**: 23796 - Kakyelo (12 21 00 S 29 35 00 E): **RMCA**: 10845, 10848, 10849, 10852 - Kalina (04 22 00 S 15 17 00 E, 128 m): **RMCA**: 20101 - Kamueshi (06 12 00 S 21 26 00 E, 608 m): **RMCA**: 79.032-M-0013 - Kasongo (04 27 00 S 26 40 00 E, 625 m): **RMCA**: 29164 - Katanga, near: **MNHN**: ZM-MO-1957-128 - Kateke (09 04 S 26 43 E): **RBINS**: 10811.1, 10811.2, 10811.3, 10811.4, 10811.5, 10811.6, 10811.7, 10811.8, 10811.9, 10813, 10814, 10815, 10816, 10817, 10818, 10819, 10820, 10821, 10822, 10823, 10824, 10825, 10826, 10827, 10828, 10829, 10830, 10831, 10832, 10833, 10834, 10845 - Katupila (08 50 S 26 44 E): **HZM**: 37.7849 - Kawezi-Uvira road (ca. 03 19 24 S 29 09 34 E): **RMNH**: MAM.16369 - Keyberg (11 43 00 S 27 25 00 E): **RMCA**: 23800, 26275, 26276, 26277, 26278, 28897, 28898; **SMF**: 16875 - Kidada (05 22 00 S 14 32 00 E): **RMCA**: 6556 - Kimilolo (11 42 00 S 27 25 00 E): **RMCA**: 22441 - Kinshasa (04 19 47 S 15 18 54 E, 240 m): **HZM**: 34.7846, 35.7847, 36.7848 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 18129, 18163 - Luberezi (02 59 00 S 29 06 00 E, 957 m): **RMCA**: 36262 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.7.6.75; **RMCA**: 7546 - Mabwe (08 39 00 S 26 31 00 E, 574 m): **RBINS**: 10810.1, 10810.2 - Mabwe river (08 42 S 26 29 E, 590 m): **RBINS**: 10847 - Macaco (05 28 00 S 21 10 00 E): **RMCA**: 7296 - Mahagi Port (020900N 311400E, 679 m): **RMCA**: 21898 - Maleli (04 20 N 29 37 E): **RBINS**: 13625.1, 13625.2, 13625.3, 13625.4, 13625.5 - Malili (04 13 00 N 29 32 00 E): **RMCA**: 36561 - Marari (04 20 N 29 40 E): **RBINS**: 13626 - Morubia (04 11 00 N 29 29 00 E): **RMCA**: 36562 - Musosa, near (08 22 S 29 38 E): **RBINS**: 14490, 14493 - Mwebe bridge (05 02 50 S 18 50 15 E): **TM**: 45614, 45615, 45617, 45618 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V1769 - Shinkolobwe

(1102S 2635E, 1334 m): **RBINS**: 14491, 14492, 14494; **SMF**: 19066, 19067 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7108 - Temvo (05 30 00 S 13 01 00 E, 238 m): **RMCA**: 6557.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1911-815, ZM-MO-1912-171; **SMF**: 91869, 91870 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 34998 - Bouna (09 16 00 N 03 00 00 W, 321 m): **USNM**: 468032, 468033, 468034, 468035, 468036, 468037 - Fetekro (0749N 0441W): **USNM**: 467925 - Flampleu (07 16 33 N 08 02 43 W, 373 m): **RMCA**: 34869 - Kahin (0655N 0737W): **USNM**: 465763 - Lamto Ecology Station (06 13 N 05 02 W): **ROM**: 80320 - Tule (0756N 0608W): **USNM**: 454465.

Ethiopia:

Didessa river bridge (09 02 N 36 09 E, 1533 m): **BMNH**: 1972.4311; **CM**: 52634 - Dire Dawa (0932N 4153E, 1250 m): **ZMB**: T09723 - Gambela (08 15 N 34 35 E, 514 m): **BMNH**: 1970.2197; **ZFMK**: 1973.0076 - Koka (08 26 N 39 02 E, 1700 m): **SMF**: 52379, 52380 - Megbiya Ber (12 16 N 35 43 E, 607 m): **NMP**: 95922, 95923, 95924 - Robi (1015N 4000E): **BMNH**: 1960.338.

Ghana:

Unknown locality: **BMNH**: 1946.113, 1965.749, 1976.727_1, 1976.727_2, 1976.727_3, 1976.727_4, 1976.731_1, 1976.731_2, 1976.731_3, 1976.731_4 - Achimota (05 37 N 00 14 W, 82 m): **MVZ**: 174560 - Adawaso (0557N 0013W): **USNM**: 414144, 414145, 414146, 414147, 414148, 414149, 414150, 414151, 414153, 414154, 414155, 414157, 414159, 414160 - Adawaso, 1 mi E (0557N 0013W): **USNM**: 414152, 414156 - Adawaso, 1.9 mi NW (0557N 0013W): **USNM**: 414158 - Adawaso, 4.7 mi E (ca. 0557N 0013W): **USNM**: 414103, 414104, 414105, 414107 - Adawaso, 5.7 mi E (ca. 0557N 0013W): **USNM**: 414106, 414108 - Akosombo (0618N 0003E): **USNM**: 411929, 411930, 411931, 411932, 411933, 411934, 411935, 411936, 411937, 411938, 411939, 411940, 411941, 411942, 411943, 411944, 411945, 411946, 411947, 411948, 411949, 411950, 411951, 411952, 411953, 411954, 411955, 411956, 411991, 411992, 411993, 411994 - Akwamufe (0617N 0005E): **USNM**: 411967, 411968, 411969, 411970 - Akwamufe, 1 mi N (0616N 0007E): **USNM**: 411957, 411958, 411959, 411960, 411961, 411962, 411963, 411964, 411965, 411966 - Akwanu, 5 mi W (0614N 0007E): **USNM**: 411971, 411972, 411973, 411974, 411975, 411976, 411977, 411978, 411979, 411980, 411981, 411982, 411983, 411984, 411985, 411986, 411987, 411988, 411989, 411990 - Anum, 4 mi S (0630N 0010E): **USNM**: 411920, 411921, 411922 - Asikuma, 1 mi N (0625N 0011E): **USNM**: 411923, 411924, 411925, 411926 - Axim (04 52 06 N 02 14 29 W, 70 m): **ROM**: 55141, 55142, 55143, 55144, 55145, 55146, 55147; **USNM**: 411865, 411866, 411867, 411868, 411869, 411870, 411871, 411872, 411873, 411874 - Bangwon (1058N 0241W): **USNM**: 414946, 414947, 414948, 414949, 414950, 414951, 414952, 414953, 414954, 414955, 414956, 414957, 414958, 414959, 414960, 414961, 414962, 414963, 414964, 414965, 414966, 414967 - Cape Coast Castle (05 06 N 01 15 W, 0 m): **HNHM**: 73.109.1 - Damongo (09 05 N 01 49 W, 230 m): **USNM**: 467927 - Damongo, 1 mi [=1.6 km] NE (09 04 N 01 45 W): **BMNH**: 1968.1158, 1968.1159, 1968.1160, 1968.1161, 1968.1162 - Elima and Cape Coast, between (05 05 N 01 15 W): **RMNH**: MAM.28519 - Fra Fra Country (ca. 10 30 N 00 30 W): **BMNH**: 1899.6.15.4 - Jukwa (0515N 0121W): **USNM**: 411877, 411878, 411879, 411880, 411881, 411882, 411883 - Kpaudu (07 00 N 00 18 E, 151 m): **RMNH**: MAM.28517, MAM.28518 - Kuuni, 48 mi [=77 km] from (06 39 N 01 51 W, 226 m): **ROM**: 52023 - Larabanga, near (ca. 09 13 N 01 51 W, 189 m): **AMNH**: 237416 - Legon (05 39 00 N 00 11 00 W, 30 m): **ROM**: 39437, 39438, 39439, 39440, 39441, 39462, 39463, 39464, 39465, 39466, 39467; **USNM**: 411893, 411894, 411895, 411896, 411897, 411898, 411899, 411900, 411901, 411902, 411903, 411904, 411905, 411906, 411907, 411908, 411909, 411910, 411911, 411912, 411913, 411914 - Mole Game Reserve, river below Headquarters (ca. 09 50 N 01 49 W): **AMNH**: 237415 - Mole National Park (09 50 N 01 49 W): **BMNH**: 1975.541, 1975.542 - Nabogo (0944N 0049W): **USNM**: 424843, 424844 - Nankasi (05 16 N 01 01 W, 74 m): **USNM**: 414161 - Nkaw Nkaw (06 33 N 00 46 W, 253 m): **ROM**: 51637 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 411884, 411892 - Okorasi (0602N 0015W): **USNM**: 414109, 414110, 414111, 414112, 414113, 414114, 414115, 414116, 414117, 414118, 414119, 414120, 414121, 414122, 414123 - Pirisi (1007N 0227W): **USNM**: 414916, 414917, 414918, 414919, 414920, 414921, 414922, 414923, 414924, 414925, 414926, 414927, 414928, 414929, 414930, 414931, 414932, 414933, 414934, 414935, 414936 - Pulima (1051N 0203W): **USNM**: 414887(B), 414937, 414938, 414939, 414940, 414941, 414942, 414943, 414944, 414945 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414968, 414969, 414970, 414971 - Samole Motel Camp (09 17 N 01 47 W): **BMNH**: 1968.1157 - Somanya, 3.2 km E (06 06 N 00 01 W): **ROM**: 55157, 55158, 55159, 55160, 55186 - Tsibu, 7 mi N (ca. 0634N 0017E): **USNM**: 411859, 411860, 411861, 411862, 411863, 411864 - Tumu area (10 53 N 01 59 W, 300 m): **BMNH**: 1965.748 - undefined locality (Eastern region) (06 45 N 01 30 W): **ROM**: 51635 - Weija (0534N 0020W): **USNM**: 414124, 414125, 414126, 414127, 414128, 414129, 414130, 414131, 414132, 414133, 414134, 414135, 414136, 414137, 414138, 414139, 414140, 414141, 414142, 414143, 478992, 478993, 478994, 478995, 478996, 478997, 478998, 478999, 479000, 479001, 479002, 479003 - Winneba (05 20 N 00 37 W, 0 m): **BMNH**: 1946.114; **FMNH**: 55742, 55743.

Guinea:

Conakry (093033N 134244W, 0 m): **MNHN**: ZM-MO-1896-27 - Guinee-Maritime (ca. 0942N 1322W): **HNHM**: 2000.34.1, 2000.34.2 - Kindia (1003N 1249W): **ZFMK**: 1959.0197 - Kindia (100400N 125100W, 338 m): **MNHN**: ZM-MO-1985-287.

Guinea-Bissau:

Mansoa (12 04 24 N 15 19 08 W, 3 m): **MHNG**: 1326.005 (Syntype *Nycteris æthiopica guineensis*); **NMBA**: 5271 (Syntype *Nycteris æthiopica guineensis*); **RMCA**: 15310 (Syntype *Nycteris æthiopica guineensis*).

Kenya:

Athi river (0259S 3831E): **USNM**: 350850 - Diani Beach, 10 km S (04 20 S 39 32 E): **SMF**: 57534 - Frere Town (0401S 3942E): **MCZ**: 22781, 22782 - Ijara, 4.5 mi SW (ca. 0136S 4031E, 250 ft): **AMNH**: 187296, 187297, 187298, 187299 - Kavirongo Gulf, S coast (0015S 3435E): **BMNH**: 1936.10.4.3 - Kiambu, near (ca. 011000S 365000E, 1829 m): **FMNH**: 73084, 73085 - Kilifi (03 38 00 S 39 51 00 E, 61 m): **WAM**: M16532 - Kilifi (03 38 S 39 51 E, 61 m): **BMNH**: 1975.2432, 1975.2432_1, 1975.2432_2, 1975.2433, 1975.2437 - Kilifi (0338S 3951E, 61 m): **ROM**: 36290, 36291, 36292, 36293, 36294, 73248, 73249, 73250, 78039, 91174; **USNM**: 351213 - Kilifi Creek (0338S 3951E): **FMNH**: 152466, 152467, 152468 - Kilifi, 1 mi [= 1.6 km] N (ca. 033800S 395100E): **FMNH**: 152457, 152458, 152459 - Kitui (0122S 3801E, 3 500 ft): **BMNH**: 1901.5.6.4 (Holotype *Nycteris aethiopica luteola*) - Lutore forest (0422S 3910E, 152 m): **ROM**: 59190 - Masabubu (011247S 400103E, 93 m): **AMNH**: 187308, 187309, 187322, 187705 - Masabubu (0112S 4001E): **CM**: 45488 - Masabubu, 0.5 mi E (ca. 0112S 4001E, 225 ft): **AMNH**: 187288, 187312, 187313, 187314, 187315, 187316, 187317, 187318, 187319, 187320 - Masabubu, 0.5 mi E (ca. 0112S 4001E, 255 ft): **AMNH**: 187300, 187301, 187302, 187303, 187304, 187305, 187306, 187307 - Masabubu, 1.5 mi E (0112S 4001E): **CM**: 45487 - Maungu (61m): **ROM**: 68501, 68502 - Mazeras (0358S 3933E): **BMNH**: 1910.9.22.2, 1910.9.22.3, 1910.9.22.4, 1910.9.22.5; **USNM**: 182656, 182657, 182658 - Mombassa (0404S 3940E): **BMNH**: 1922.2.17.79 - Mukanda river (04 10 S 39 27 E, 152 m): **RMNH**:

MAM.SMEENK81 - Muranga (0042S 3740E): **BMNH**: 1903.3.2.1 - Ngombeni [caves] (04 07 49 S 39 36 51 E, 31 m): **FMNH**: 152460, 152461, 152462, 152463, 152464; **ROM**: 45967, 78038; **USNM**: 350851, 350852, 350854, 351212 - Ngong Hills (01 24 S 36 38 E): **USNM**: 350857 - Rongai (0011S 3552E): **BMNH**: 1975.2871 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **ZMA**: MAM.20751, MAM.20752 - Sigor, 1 mi [= 1.6 km] SE (ca. 01 29 N 35 29 E): **MVZ**: 142038 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **FMNH**: 152465; **USNM**: 375910 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 66861, 66868 - Ukunda, cave (041734S 393351E): **USNM**: 347408 - Yala river (00 06 N 34 32 E): **BMNH**: 1912.5.19.27, 1912.5.19.28, 1912.5.19.29, 1912.5.19.30, 1912.5.19.35.

Liberia:

Cuttington University College (07 02 24 N 09 33 15 W): **AMNH**: 276099 - Duside Plantation (062057N 102748W): **AMNH**: 89448, 89449, 89451 - Juarzon (052256N 085044W, 134 m): **AMNH**: 256541 - Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 12597 - Tokaden, mount (0727N 0840W): **BMNH**: 1979.456 - Zorzor (07 46 46 N 09 25 49 W, 516 m): **AMNH**: 276100.

Malawi:

Unknown locality: **BMNH**: 1987.1031, 1987.1032, 1987.1033, 1987.1034, 1987.1035, 1987.1036, 1987.1037, 1987.1038; **SMF**: 93753 - Chipeta Village (1000S 34E): **NHMZ**: 64251 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.24.252, 1922.4.25.3 (Holotype *Nycteris oriana*) - Chitala River (133539S 342623E): **MCZ**: 43834 - Karonga beach (09 56 00 S 33 56 00 E, 477 m): **ZMA**: MAM.28347 - Kasungu NP (13.05S 33.15E): **NHMZ**: 64248 - Liwonde National Park, Headquaters (15 02 18 S 35 15 16 E): **TM**: 41763 - Mlanje (1605S 3529E): **BMNH**: 1914.6.13.1 - Monkey Bay, 4-5 km from (14 07 S 34 53 E): **ZMA**: MAM.28348, MAM.28349, MAM.28350, MAM.28351, MAM.28352 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.28355 - Namizimu Forest Reserve (14 11 20 S 35 22 49 E): **FMNH**: 226237 - Nkhata Bay (11 36 S 34 18 E, 471 m): **ZMA**: MAM.28353, MAM.28354.

Mali:

Unknown locality: **MNHN**: ZM-MO-1911-567.

Mauritania:

Kaédi, W edge (16 09 N 13 31 W, 20 m): **NMP**: 93607.

Mozambique:

Cheringoma Caves (18 33 53 S 034 52 19 E): **DNSM**: 8663 - Gondola (18.75S 33.25E): **CZL**: 4800857 - Manica (18.93S 32.88E): **CZL**: 4800949 - Mepuze, S of (24 10 05 S 32 48 22 E): **DNSM**: 8662 - Niassa Game Reserve (12 37 27 S 37 39 23 E): **DNSM**: 8664, 8665.

Namibia:

Spitzkopje (2624S 1828E): **ZMB**: T10288.

Niger:

Tapoa (12 29 31 N 02 21 36 E, 225 m): **BRTC**: 27847, 27848 - Tapoa, 2 km E (12 36 N 02 29 E): **UCM**: 15198; **USNM**: 462780.

Nigeria:

Dada (1134N 0429E): **USNM**: 402623, 402624, 402625, 402626, 402627, 402628, 402629, 402630, 402631, 402632, 402633, 402635, 402636, 402637, 402638, 402639, 402640, 402663, 402664, 478948, 576108 - Enugu state: **SMF**: 92086, 92087, 92088, 92089 - Ibadan University College (07 23 16 N 03 53 47 E, 237 m): **USNM**: 580594, 580595, 580596, 580597 - Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 84054 - Kware (131305N 051602E, 268 m): **USNM**: 580598 - Nassarawa (0835N 0744E): **BMNH**: 1911.10.28.2 - Nindam Forest Reserve (0928N 0819E): **ROM**: 86946 - Ogbunike (0610N 0654E): **BMNH**: 1972.678 - Umuahia (0531N 0726E): **BMNH**: 1947.346 - West province (0730N 0400E): **BMNH**: 1908.10.25.2.

Rwanda:

Astrida (023550S 294420E, 1733 m): **RMCA**: 81.012-M-0001, 81.012-M-0002, 81.012-M-0003, 81.012-M-0004, 81.012-M-0005, 81.012-M-0006, 81.012-M-0007, 81.012-M-0008, 81.012-M-0009 - Bufundi (01 20 42 S 29 51 00 E): **RMCA**: 81.012-M-0011, 81.012-M-0012, 81.012-M-0013 - Butare (023550S 294420E, 1733 m): **RBINS**: 15493 - Karama (021600S 301600E): **RMCA**: 82.006-M-0929 - Musha (023140S 295154E): **RMCA**: 81.012-M-0015, 81.012-M-0016, 81.012-M-0017, 81.012-M-0018 - Nyakibanda (023800S 294100E, 2067 m): **RMCA**: 31048, 31049, 31050, 31051, 31052, 31053, 31054, 31055, 31056, 31057, 31058, 31059, 81.012-M-0019, 81.012-M-0020, 81.012-M-0021, 81.012-M-0022, 81.012-M-0023, 81.012-M-0024, 81.012-M-0025, 81.012-M-0026, 81.012-M-0027, 81.012-M-0028 - Nyumba cave (0239S 2942E): **BMNH**: 1953.566, 1953.567, 1953.677, 1953.678, 1953.679, 1953.680; **MHNG**: 921.036, 921.037; **RBINS**: 15483.1, 15483.2, 15483.3, 15483.4, 15484.1, 15484.2, 15484.3, 15484.4, 15939.1, 15939.2, 15989, 15990, 15991, 15992, 15993, 15994, 15995 - Simbi cave (023039S 294003E): **RBINS**: 15930, 15931.

Senegal:

Unknown locality: **MNHN**: ZM-MO-1977-641, ZM-MO-1984-1388, ZM-MO-1984-1388 A, ZM-MO-1984-1388 B, ZM-MO-1985-294 - Adiaré: **MNHN**: ZM-MO-1977-642, ZM-MO-1977-643, ZM-MO-1977-644, ZM-MO-1977-645, ZM-MO-1995-647 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1977-646, ZM-MO-1977-647, ZM-MO-1995-648 - Bandia (1437N 1702W): **MHNG**: 1079.074 - Diattacounda (1234N 1540W): **ZFMK**: 1976.0023, 1976.0024, 1976.0156, 1976.0157, 1976.0163, 1976.0165, 1976.0173, 1976.0177, 1976.0178, 1976.0181 - Goudiri (1412N 1214W): **USNM**: 377897, 377898, 377899, 377900, 377901, 377902, 377903, 377904, 377905, 377906, 377907, 377908, 377909, 377910, 377911, 377912, 377913, 377914, 377915, 377916, 381329, 381330, 381331, 381332, 381333, 381334 - Kaffrine, 15 km N (1408N 1534W): **USNM**: 376207, 376208, 376209, 376210, 376211, 376212, 376213, 376214, 376215, 376216, 376217, 376218 - Louga, 8 km E (1537N 1613W): **USNM**: 380244, 380245, 380246, 380247, 380248, 380249, 380250, 380251, 380252, 380253, 380254, 380255, 380256, 380257, 380258, 380259, 380260, 380261, 380262, 380263, 380264, 380265, 380266, 380267, 380268, 380269, 380270, 380271, 380272, 380273, 380274, 380275, 380276, 380277, 380278, 381387, 381388, 381389, 381390, 381391, 381392 - Missirah Saloum (1340N 1632W): **RBINS**: 19914.1, 19914.2, 19914.3 - Niangné (Nianié) cave: **MNHN**: ZM-MO-2003-731 - Pete Ole (16 13 56 N 15 07 18 W): **MNHN**: ZM-MO-1977-633, ZM-MO-1977-634, ZM-MO-1977-635, ZM-MO-1977-636, ZM-MO-1977-637, ZM-MO-1977-638, ZM-MO-1995-646 - Ranerou, 13 km NW (1518N 1358W): **USNM**: 410746, 410747 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1977-648, ZM-MO-1977-649, ZM-MO-1977-650, ZM-MO-1977-651, ZM-MO-1977-652, ZM-MO-1977-653, ZM-MO-1977-654, ZM-MO-1977-655, ZM-MO-1977-656, ZM-MO-1977-657, ZM-MO-1977-658, ZM-MO-1977-659, ZM-MO-1977-660, ZM-MO-1977-661, ZM-MO-1977-662, ZM-MO-1977-663, ZM-MO-1977-664, ZM-MO-1977-665, ZM-MO-1977-666, ZM-MO-1977-667, ZM-MO-1977-668, ZM-MO-1977-669, ZM-MO-1977-670, ZM-MO-1977-671, ZM-MO-1977-672, ZM-MO-1995-649 - Tabadienke (1308N 1307W): **NMW**: 10335, 10336, 10337, 10338, 10339, 10340 - Yonofere (15 15 57 N 14 27 40 W, 15 m): **MNHN**: ZM-MO-1977-639, ZM-MO-1977-640.

Sierra Leone:

Unknown locality: **BMNH**: 1959.210, 1972.4162 - Freetown (0830N 1315W): **BMNH**: 1953.43 - Hanjama, 1 mi [= 1.6 km] W (0757N 1056W): **USNM**: 462816 - Hanjama, 1 mi S (0755N 1057W): **USNM**: 462817 - Konia, 5 mi SE (0807N 1101W): **USNM**: 463090 - Levuma: **ZMA**: MAM.14338 - Makeni (0857N 1202W): **BMNH**: 1962.1775 - Musaia (09 45 00 N 11 34 00 W, 423 m): **BMNH**: 1962.1774 - Njala (08 07 04 N 12 05 04 W, 67 m): **BMNH**: 1916.1.27.1; **ROM**: 51039 - no specific locality: **BMNH**: 1866.2.2.2 (Holotype *Nycteris macrotis*) - Petifu (0835N 1133W): **BMNH**: 1939.489, 1939.490 - Scaries river: **BMNH**: 1892.6.7.3, 1892.6.7.4, 1947.631 - Sierra Leone: **BMNH**: 1947.632 - Waterloo (0820N 1304W): **BMNH**: 1959.211, 1959.212.

Somalia:

Chisimaio (0025S 4231E): **BMNH**: 1950.1835, 1950.1854 - Hargeisa (0933N 4404E): **BMNH**: 1972.4161 - Mogadiscio (0202N 4521E): **MSNM**: 1045.

South Sudan:

Bangangai Game Reserve, Location 2 (04 54 06 N 27 42 35 E, 673 m): **USNM**: 587217 - Gondokoro (0454N 3140E): **USNM**: 164969, 166516 - Imatong (0400N 3245E): **SMNS**: 2114, 29339 - Jebel Kasangor (0550N 3359E): **SMNS**: 29338 - Juba (0450N 3135E): **SMNS**: 29342, 31332, 31391 - Kajiko North (03 51 25 N 30 36 27 E): **SMNS**: 29340 - Kungupuri (Bekat) Stream (03 52 47 N 31 38 42 E, 931 m): **USNM**: 586950 - Lafon (0505N 3229E, 604 m): **FMNH**: 79590 - Latome (0407N 3337E, 1257 m): **FMNH**: 78189 - Loa (034801N 315659E): **FMNH**: 67341, 67342, 67343 - Mogiri Hill, NE of Town (03 56 56 N 31 36 19 E, 953 m): **USNM**: 587014 - Mupoi cave (0433N 2822E): **FMNH**: 81589 - Torit (0427N 3231E): **ZMUC**: 3187 - Torit (0427N 3231E, 610 m): **FMNH**: 66615, 68134 - Torit (0427N 3231E, 631 m): **FMNH**: 79556.

Sudan:

Unknown locality: **BMNH**: 1848.8.19.11 - Dilling (12 02 N 29 40 E): **ROM**: 77192, 77193, 77194, 77195, 77196, 77197, 77198, 77199, 77200 - Gallabat (1257N 3609E): **NMW**: 10332, 10333 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **NMW**: 10328, 10329, 10330, 10331 - Kordofan (ca. 13 12 N 30 14 E): **BMNH**: 1847.5.27.32 (Holotype *Nycteris æthiopica*), 1848.8.19.12 - Omdurman (15 38 10 N 32 16 14 E, 390 m): **ROM**: 85350 - Rheika (10 41 N 30 00 E): **SMF**: 32669 - Shendi (16 41 29 N 33 26 03 E, 376 m): **BMNH**: 1901.5.5.4, 1901.5.5.5 - Telaweit (1524N 3625E): **FMNH**: 105577.

Tanzania:

Unknown locality: **BMNH**: 1924.1.1.17, 1964.1355, 1964.1371; **WAM**: M21075 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **YPM**: MAM 002136 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **BMNH**: 1964.1356; **RMNH**: MAM.15946 - Banagi (02 16 S 34 51 E, 1413 m): **BMNH**: 1951.387, 1951.388, 1964.1350, 1964.1351, 1964.1352, 1964.1353, 1964.1354 - Bet El Ras (0607S 3913E): **BMNH**: 1956.198, 1956.199, 1956.200, 1956.201, 1956.202 - Dar-Es-Salaam region: **SMF**: 74248 - Inwale (0918S 3825E): **BMNH**: 1964.1373 - Iringa (0747S 3542E): **ZMB**: 60912, 60913 - Kidugallo (06 47 S 38 12 E, 180 m): **ZFMK**: 1959.0163 - Kilosa (06 50 S 36 59 E, 572 m): **BMNH**: 1924.1.1.15, 1924.1.1.16; **KU**: 150742 - Kizimkazi (0628S 3928E): **BMNH**: 1955.267, 1955.268, 1955.269, 1955.270 - Lembeni (0347S 3737E): **ZFMK**: 1959.0149, 1959.0150 - Likawage (0913S 3900E, 132 m): **BMNH**: 1964.1358, 1964.1359, 1964.1360, 1964.1361, 1964.1362 - Marahubi Mlangoni (0609S 3913E): **BMNH**: 1955.273 - Mbanja [= Mbangala] (0837S 3641E): **MCZ**: 38818 - Mbarangandu (10 12 S 36 48 E, 753 m): **BMNH**: 1964.1372 - Mikindani (10 17 S 40 07 E, 17 m): **SMF**: 26869, 28253, 28254; **ZFMK**: 1964.0886 - Mkundi (06 19 00 S 37 23 00 E, 536 m): **RMCA**: 96.037-M-7174 - Morogoro (06 48 S 37 40 E, 560 m): **USNM**: 219329, 219330 - Morogoro region: **SMF**: 74250, 81214 - Mount Usambara (044500S 383000E): **MNHN**: ZM-MO-1897-1526, ZM-MO-1897-1527, ZM-MO-1897-1528, ZM-MO-1897-1529, ZM-MO-1897-1530 A, ZM-MO-1897-1530 B - Mtwara region: **SMF**: 66946 - Nachingwea (10 23 S 38 46 E, 380 m): **ROM**: 35309 - Nanguale: **BMNH**: 1964.1368, 1964.1369, 1964.1370 - Sagaya (02 30 S 33 00 E): **BMNH**: 1924.1.1.18, 1924.1.1.19, 1924.1.1.20, 1924.1.1.21, 1924.1.1.23 - Soga (0652S 3857E): **ZFMK**: 1961.0090, 1961.0093, 1961.0098, 1961.0099, 1961.0100, 1961.0101, 1961.0102, 1961.0103, 1961.0104, 1961.0150, 1961.0151, 1961.0152 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ROM**: 78040 - Tanga region: **SMF**: 79590, 83610, 85513 - Tarangire National Park (0348S 3604E, 1128 m): **FMNH**: 158017 - Unyanganyi (0450S 3500E): **MCZ**: 25724, 25725, 25726, 25727, 25729, 28112, 28113, 28114, 28115, 28116, 28117, 28118, 28119, 28120, 28121, 28123, 28124, 28125 - Unyanganyi (0450S 3500E, 1372 m): **FMNH**: 42732, 42733 - Urambo (0502S 3200E): **BMNH**: 1962.961, 1962.962, 1962.963, 1962.964, 1962.965 - Zanzibar (06 10 S 39 20 E): **BMNH**: 1879.9.12.5, 1909.1.4.26; **MCZ**: 3859, 3860; **MNHN**: ZM-MO-1864-427, ZM-MO-1864-427A, ZM-MO-1864-427B, ZM-MO-1881-1 bis, ZM-MO-1881-2, ZM-MO-1881-3, ZM-MO-1881-4.

The Gambia:

Unknown locality: **BMNH**: 1907.1.1.334, 1907.1.1.706, 1991.266; **SMF**: 91054, 91055, 91067, 91068, 92139, 92140, 92141, 92142 - Banjul (13 27 11 N 16 34 39 W, 0 m): **BMNH**: 1888.12.11.1 - Banjul, 8 mi [=13 km] W (ca. 13 28 N 16 39 W): **USNM**: 377570, 377571, 377572, 377573, 377574, 377575 - Jappeni, near (ca. 13 25 N 15 25 W): **SMF**: 91050 - Jiboroh Kuta (13 11 18 N 16 34 25 W, 38 m): **SMF**: 91053 - Jiroff, near (ca. 13 25 N 15 42 W): **SMF**: 91085 - Kudang (13 40 N 15 03 W, 13 m): **USNM**: 377576, 377577, 377578, 377579, 377580, 377581, 377582, 377583, 377584, 377586, 377589, 377590, 377591 - Kuntaur, 5 mi N (13 37 N 14 54 W): **BMNH**: 1949.468, 1949.469 - Lamin Bridge (13 23 35 N 16 37 30 W): **SMF**: 91052 - Madianna (13 21 12 N 16 45 47 W, 6 m): **SMF**: 91051 - Makka (13 42 N 14 53 W, 11 m): **BMNH**: 1949.467 - Toniataba (13 26 N 15 35 W, 21 m): **USNM**: 379376, 379377, 379378, 379379, 379380, 379381.

Togo:

Dapango (10 51 50 N 00 12 18E, 306 m): **RMCA**: 73.009-M-0117 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0149, 73.011-M-0150, 73.011-M-0151, 73.011-M-0152, 73.011-M-0153, 73.011-M-0154, 73.011-M-0155, 73.011-M-0156 - Niamtougou (09 46 06 N 01 06 19 E, 378 m): **RMCA**: 73.011-M-0139, 73.011-M-0140, 73.011-M-0141, 73.011-M-0142 - Padori (10 14 00 N 00 26 00 E, 126 m): **USNM**: 437623, 437624, 437625 - Paio (10 14 00 N 00 43 00 E, 146 m): **RMCA**: 73.009-M-0118 - Péwa (09 17 00 N 01 14 00 E, 618 m): **RMCA**: 73.011-M-0136, 73.011-M-0138; **USNM**: 437626, 437627, 437628, 437629, 437630, 437631, 437632, 437633, 437634.

Uganda:

Entebbe (00 03 52 N 32 26 49 E, 1132 m): **BMNH**: 1906.3.8.4, 1965.558 - Yumbe (0327N 3115E): **BMNH**: 1962.2003.

Zambia:

Kabompo Boma (133600S 241200E, 1027 m): **NHMZ**: 11472 - Kalomo District (17.12S 26.37E): **NHMZ**: 31743 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33794, 34054 - Mfuwe: **NMZL**: 3376 - Mfuwe Game Camp (1305S 3147E): **BMNH**: 1966.5429 - Mumbwa (1500S 2701E): **ZFMK**: 1978.0465 - Mumbwa Caves (14.75S 27.0E): **NHMZ**: 7572 - Mwinilunga (1121S 2415E, 4700 ft): **AMNH**: 89784 - Nansai Farm, Choma (16.62S 27.12E): **NHMZ**: 30903 - Ngwerere cave (15 19 S 28 19 E, 1280 m): **NMZL**: 3684, 3685 - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33588 - Sakeji School (11.12S 24.37E): **NHMZ**: 29868.

Zimbabwe:

Chewore/Zambezi Confluence (1529DB): **NHMZ**: 60552 - Deka-Zambezi R Confluence (18.0S 26.5E): **NHMZ**: 32281 - Hoya River Camp, Muzarabani (16.25S 31.25E): **NHMZ**: 84377 - Kanjedza River (16 52 30 S 28 37 30 E): **NHMZ**: 62022, 62023 - Kariba, Mopane Bay (1628DB): **NHMZ**: 57083 - Matetsi (1825BD): **NHMZ**: 54376.

Nycteris madagascariensis G. Grandidier, 1937

Madagascar:

near Matsaborimanga, Ankarana, N of (1254S 4907E): **MCZ**: 45434 - Rodo valley (1205S 4905E): **MCZ**: 45433 (Holotype *Nycteris madagascariensis*).

Nycteris major (K. Andersen, 1912)

Cameroon:

Dja river (0300N 1300E): **BMNH**: 1909.10.2.49 - Foulassi (0259N 1158E): **MHNG**: 913.067 - Isongo [=Izongo] (0405N 0901E, 30 m): **ZMB**: 93805 - Mobange-Isongo (0450N 0900E, 0 m): **SMNS**: 3450, 5590 - Ngam (0256N 1159E): **MHNG**: 913.068.

Congo (Democratic Republic of the):

Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 49403 (Holotype *Nycteris avakubia*) - Kona (02 02 N 22 47 E): **UNIKIS**: CRT1959.

Côte d'Ivoire:

Kahin (0655N 0737W): **USNM**: 465762.

Liberia:

Zozoma (082500N 094700W): **AMNH**: 257043.

Zambia:

Mweru Wantipa (0850S 2940E): **RBINS**: 13330.

Nycteris nana (K. Andersen, 1912)

Angola:

Luhanda (0913S 1705E): **FMNH**: 81619, 81620 - Sombo (0856S 2018E, 901 m): **FMNH**: 66467.

Burundi:

Giserama Colline (025027S 292507E, 2100 m): **FMNH**: 148980 - Vumbi (02 41 56 S 30 06 13 E, 1788 m): **RMCA**: 81.012-M-0035.

Cameroon:

Unknown locality: **MCZ**: 20661 - Big farm, Mungo River, east bank (0421N 0930E): **ROM**: 68902 - Bitye (0313N 1222E): **BMNH**: 1914.1.24.7, 1919.11.1.1, 1923.1.22.21 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **FMNH**: 74236; **MCZ**: 14850 - Kiribi, 14 km N (0304N 0954E): **ROM**: 56273 - Mangamba (0530N 0900E): **ROM**: 68901, 68907 - Metet (0326N 1143E): **MCZ**: 14854 - Olounou (02 49 00 N 12 08 00 E, 658 m): **RMCA**: 73.016-M-0144 - Yoko, 34 km S (0531N 1218E): **ROM**: 56101.

Central African Republic:

Boukoko (035400N 175600E): **MNHN**: ZM-MO-1984-175.

Congo (Democratic Republic of the):

Unknown locality: **BMNH**: 1930.11.11.83 - Aka (04 35 00 N 29 42 00 E): **RBINS**: 13565.1, 13565.2 - Bagisana (04 35 N 29 32 E): **RBINS**: 13563 - Bagunda (04 04 00 N 29 35 00 E, 990 m): **RBINS**: 13549 - Batala's Village (00 30 N 29 15 E, 914 m): **FMNH**: 30714, 30715 - Buluku river (04 33 N 29 49 E): **RBINS**: 13566 - Byangore river: **RBINS**: 17291 - Djugu forest (01 55 00 N 30 30 00 E, 1530 m): **RBINS**: 18546 - Duma (035300N 184100E, 356 m): **SMF**: 6390 - Garamba National Park (04 10 00 N 29 30 00 E): **RBINS**: 13554, 13556 - Ibembo (0238N 2337E, 420 m): **RMCA**: 20092 - Irangi (0154S 2827E): **RMNH**: MAM.16366 - Kambemba (00 34 N 29 41 E, 800 m): **INPBC**: V1065 - Kawa (forest) (0134N 3032E, 753 m): **BMNH**: 1953.484 - Kokodo river (04 38 N 29 30 E): **RBINS**: 13561.1, 13561.2 - Kokodu (04 35 00 N 29 32 00 E): **RMCA**: 36604 - Kumbi: **ZMA**: MAM.24898 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 33600 - Makpe (04 20 00 N 29 34 00 E): **RMCA**: 36600 - Makpe river, upper (04 20 N 29 34 E): **RBINS**: 13552.1, 13552.2, 13553 - Maleli (04 20 N 29 37 E): **RBINS**: 13551, 13555.1, 13555.2 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0343, 93.079-M-0344, 93.079-M-0345 - Meridi river (04 40 N 29 33 E): **RMCA**: 36605 - Mongbwalu (01 57 00 N 30 02 00 E, 1374 m): **DNSM**: 12754, 12755 - Morubia (04 11 00 N 29 29 00 E): **RMCA**: 36601, 36603 - Nakpanga (04 36 00 N 29 34 00 E): **INPBC**: 4779.2.3; **RMCA**: 36608 - Nakpanga river (04 39 00 N 29 32 00 E): **RBINS**: 13564 - Pawa (02 31 36 N 27 42 10 E, 696 m): **RMCA**: 15314 - PFNK.15 (04 25 N 29 47 E): **RBINS**: 13557; **RMCA**: 36602 - Pidigala Nord river (04 37 N 29 42E): **RBINS**: 13558.1, 13558.2, 13559.1, 13559.2, 13560, 14258B, 19258A - Pidigala river (04 35 00 N 29 32 00 E): **RMCA**: 36606, 36607, 36609 - PPK.10 (03 46 N 29 29 E): **RBINS**: 13562, 13567.1, 13567.2 - Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL554 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7178 - Tshakala (00 27 27 N 25 32 05 E, 453 m): **RMCA**: 82.019-M-0011 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 89.020-M-0042, 92.079-M-0118 - Wilibadi river (03 55 00 N 29 08 00 E): **RBINS**: 13550 - Yalosemba (02 35 N 24 47 E, 422 m): **MHNG**: 1870.097.

Côte d'Ivoire:

Unknown locality: **SMF**: 91858 - Duékoué (06 44 17 N 07 20 35 W, 271 m): **MHNG**: 923.087 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1729.

Equatorial Guinea:

Benito River (01 36 N 09 37 E): **BMNH**: 1900.2.5.46 (Holotype *Petalia nana*).

Gabon:

Bengoué (00 58 S 09 11 E, 0 m): **ZMA**: MAM.19324 - Mount Doudou fauna exploitation area (0214S 1024E, 625 m): **FMNH**: 167764.

Ghana:

Butre (0449N 0155W): **USNM**: 414162 - Oda (05 55 N 00 56 W, 122 m): **BMNH**: 1946.377, 1946.378.

Kenya:

Kaimosi (00 08 S 34 47 E): **MCZ**: 31156 (Holotype *Nycteris nana tristis*) - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **AMNH**: 238488; **SMF**: 43656, 57540, 57541, 57542 - Yala river (00 06 N 34 32 E): **BMNH**: 1921.2.4.2, 1921.2.4.4, 1921.2.4.5; **USNM**: 197957, 197958.

South Sudan:

Bangangai forest (0451N 2745E, 730 m): **FMNH**: 108145 - Kajiko North (03 51 25 N 30 36 27 E): **SMNS**: 29344, 29345.

Uganda:

Bwamba Forest (0140N 3130E): **ROM**: 48713 - Toro (0030N 3000E, 762 m): **ROM**: 91176.

Nycteris parisii (de Beaux, 1924)

Cameroon:

Rei Bouba (08 40 N 14 11 E, 224 m): **MHNG**: 1326.002.

Congo (Democratic Republic of the):

Né, mount (014200N 303900E): **RBINS**: 21668.

Ethiopia:

Abaya, lake, West bank (0500N 3700E): **BMNH**: 1976.300 - Aselle [= Aseita] (0800N 3900E): **USNM**: 462732 - Rudolf, lake, 10 km NE (0437N 3608E): **BMNH**: 1971.604.

Somalia:

Unknown locality: **BMNH**: 1987.78.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818

"Africa":

Unknown locality: **AMS**: M.6071; **BMNH**: 1881.5.13.3; **KU**: 135658, 135659, 135660, 135661, 135662; **MCZ**: 22575, BOM-7343; **MNHN**: ZM-MO-1913-25, ZM-MO-1924-195AC, ZM-MO-1999-956; **NMB**: 1590; **RBINS**: 197; **RMNH**: MAM.27234, MAM.27236; **TM**: 42703, 42704, 42705, 42711, 42712, 42827, 42829, 42830, 42832, 42833; **USNM**: 62335; **ZMA**: MAM.23839 - Chifumbaze: **ZMB**: T10459 - Eastern Africa: **NMW**: 28731; **ZMB**: T09428 - Goho Hills: **TM**: 6508 - Kubub: **ZMB**: T10411 - Northern Africa: **SMNS**: 3607 - Red Sea: **RMNH**: MAM.27232, MAM.27233.

Angola:

Unknown locality: **AMNH**: 88380 - Baia Farta (12.63S 13.16E): **IICA**: 1438 - Benguela (123435.58S 132419.98E): **BMNH**: 1905.10.1.1 - Biballe and Rio Coroca, Caconda (1342S 1505E): **BMNH**: 1879.1.21.2 (Syntype *Nycteris angolensis*) - Bungo (0726S 1533E): **BMNH**: 1909.10.1.32, 1909.10.1.33, 1909.10.11.31 - Caconda [= Cuango] (1342S 1505E): **ZMB**: 3637 - Capelongo (1428S 1618E, 1448 m): **AMNH**: 85524 - Capolopopo (15.88S 12.88E): **IICA**: 679 - Hanha (1215S 1343E): **AMNH**: 85526, 86644 - Humbe (1640S 1455E): **MHNG**: 1326.013; **MSNG**: 45881; **ZMB**: 5105 - Moks, mount (1213S 1519E): **BMNH**: 1935.1.6.19 - Naulila (Cunene) (17.13S 14.63E): **IICA**: 7899 - Pedra Grande, Caraculo (15.13S 12.63E): **IICA**: 496 - Quiteve (16.13S 15.13E): **IICA**: 2479 - Rio Corvea: **ZMB**: 3633 (Syntype *Nycteris angolensis*) - Sangueve (1350S 1555E): **MHNG**: 1625.019 - Tchivinguiro (15.13S 13.38E): **IICA**: 147.

Benin:

Unknown locality: **MNHN**: ZM-MO-1911-852 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 421355, 421364, 575713 - Park W[est] (ca. 12 00 N 02 50 E): **ZMA**: MAM.19187 - Pendjari Park (ca. 1120N 0130E): **ROM**: 83949.

Botswana:

Unknown locality: **ISU**: 1247 - Chobe-NP, Goho Hills (1824Ac): **TM**: 6558 - Dibete (2345S 2626E): **SMNS**: 5036 - Drotsky Cave (20 07 S 21 22 E): **NHMZ**: 63316 - Drotsky's [= Drodsky] Caves (20 07 S 21 22 E): **SMF**: 54255, 54256; **USNM**: 322841, 322842, 322843, 322888, 322889, 322890, 322891, 322892, 322893, 322894, 322895, 322896, 322897, 332843, 36676, 367675, 367676, 367677, 367678, 367679, 367680, 367681, 367682, 368648, 368649, 368650, 368651, 368652, 368653, 368654, 425271, 425272, 425273, 425274, 425275, 479012, 479013, 479014, 479015, 479016, 479017, 479018, 479019, 479020, 479021, 479022, 479023, 479024, 479025, 479026, 479027, 479028, 479029, 479030, 479031, 479032, 479033, 479034, 479035, 479036, 479037, 479038, 479039, 479040, 479041, 479042, 479043, 479044, 479045, 479046, 479047, 479048, 479049, 479050, 479051, 479052, 479053, 479054, 479055, 479056, 479057, 479066, 479067, 479068, 479069, 479070, 479071, 479072, 479073, 479074, 479075, 479076, 479077, 479078, 479079, 479080, 479081, 479082, 479083, 479084, 479085, 479086, 479087, 479088, 479089, 479090 - Francistown (21.15S 27.5E): **NHMZ**: 64216 - Francistown-Nata (21.0S 27.25E): **NHMZ**: 63338 - Gemsbok Pan (2140S 2140E): **FMNH**: 38482 - Ghanzi, 20 mi NE (2142S 2139E): **USNM**: 382643 - Goha Hills (182500S 241500E): **AMNH**: 83631 - Goho Hills (182500S 241500E): **FMNH**: 38483, 38484, 38485, 38486, 38487 - Jao [Camp] (ca. 1915S 2320E): **MCZ**: 62937, 62951 - Kanye (24 59 S 25 19 E, 1306 m): **ZFMK**: 1964.0097, 1964.0103, 1964.0104, 1964.0105 - Livingstone Cave (ca. 242500S 253200E): **AMNH**: 168242, 168243 - Livingstone's cave (24.25S 25.5E): **NHMZ**: 63325 - Maun (19 59 S 23 25 E, 927 m): **NHMZ**: 63371; **ROM**: 62649; **USNM**: 479062, 479063, 479064, 479065 - Mohembo (18 18 S 21 48 E, 997 m): **AMNH**: 168134, 168135, 168136, 168137, 168138, 168139, 168140, 168141, 169163, 169164, 169175; **KU**: 41263, 41264, 41265, 41266; **MVZ**: 117990, 117991 - Molepolole (2424S 2531E): **MVZ**: 117975, 117976, 117977, 117978, 117979, 117980, 117981, 117982, 117983, 117984, 117985, 117986, 117987, 117988, 117989 - Molepolole (2424S 2531E, 1189 m): **AMNH**: 168103, 168104, 168105, 168106, 168107, 168108, 168109, 168110, 168111, 168112, 168113, 168114, 168115, 168116, 168117, 168118, 168119, 168120, 168121, 168122, 168123, 168124, 168125, 168126, 168127, 168128, 168129, 168130, 168131, 168132, 168133 - Moremi GR, Khwai R. (19.15S 23.75E): **NHMZ**: 64235 - Ngami, lake (2030S 2240E): **BMNH**: 1910.6.3.78 - Ngoma, Chobe R. (17.9S 24.75E): **NHMZ**: 64219 - Nokaneng, 21 km N (19.42S 22.27E): **NHMZ**: 64209 - Nthane (2122S 2622E): **NHMZ**: 64222 - Savuti R. (18.62S 24.12E): **NHMZ**: 64215 - Sepopa (18.62S 22.12E): **NHMZ**: 64233 - Sepopa (1837S 2207E): **USNM**: 425268, 425269, 425270 - Seronga, 72 km ESE (190656S 214844E): **ROM**: 62648 - Serowe (22.37S 26.62E): **NHMZ**: 64229 - Serula (2158S 2720E): **USNM**: 479059 - Seruli (2217S 2723E, 1026 m): **USNM**: 479058, 479061 - Shakawe (18 21 S 21 52 E, 983 m): **KU**: 41267 - Shakawe, 15 mi [=24 km] S (ca. 18 37 S 21 52 E): **NHMZ**: 63377 - Toteng (2025S 2300E): **SMNS**: 29335 - Xugana (1905S 2306E): **USNM**: 518624, 518625, 518627, 518628, 518629, 518630, 518631, 518633 - Xugana (1905S 2306E, 975 m): **USNM**: 518632, 518634 - Xugana Island (1905S 2306E): **AMNH**: 269189, 269190.

Burkina Faso:

Unknown locality: **SMF**: 60943 - Barga, 9 km NE (13 51 N 02 12 W): **USNM**: 452800 - Dio (1320N 0238W): **USNM**: 452790, 452792, 452793, 452794, 452795, 452796, 452797, 452798, 452799 - Natiaboani (11 41 57 N 00 30 22 E, 268

m): **USNM**: 450582, 450583, 450584, 450585, 450586, 450587, 450588, 450589, 450590, 450591, 450592, 450593, 450595, 450596, 450597, 450598, 450599, 450600, 450601, 450602, 450603, 450604, 450605, 450614, 450615, 450616, 450617, 450618, 450619, 450620, 450621, 450622, 450623, 450624, 450625, 450626, 450627, 450628, 450629, 450630, 450631, 478628, 478629, 478630, 478631, 478632, 478633, 478634, 478635, 478636, 478637, 478639, 478640, 478641, 478642, 478643, 478644, 478645, 478646, 478647, 478648, 478649, 478650, 478651, 478652, 478653, 478654, 478655, 478656, 478657, 478659, 478660, 478661, 478662 - Nayouré, 3 km SE (1215N 0016E): **USNM**: 452817, 479091, 479092, 479093, 479094, 479095, 479096, 479097, 479098, 479099, 479100, 479101, 479102, 479103, 479104, 479105, 479106, 479107, 479108, 479109, 479110, 479111, 479112, 479113, 479114, 479115, 479116 - Orodara, 27 km ENE (1104N 0441W): **USNM**: 467962 - Ouagadougou and Bobodioulasso, village between (ca. 11 45 N 03 00 W): **MNHN**: ZM-MO-1985-311, ZM-MO-1985-312 - Oulo (1154N 0258W): **USNM**: 454521, 454523, 454525, 454526, 454527, 454528, 454529, 454530, 454531, 454536, 454537, 454547, 454548, 454549, 454553, 454555, 454556, 454563, 454564, 454929, 478670, 478674, 478685, 478688, 478692, 478694, 478697, 478706, 478710, 478713, 478714 - Tatarko (1329N 0020W): **USNM**: 452774, 452775, 452776, 452777, 452778, 452779, 452780, 452781, 452782, 452783, 452784, 452785, 452786, 452787, 452788, 452789, 452791.

Cameroon:

Basho (0608N 0926E): **ZMB**: T09590 - Mokolo - Mayo Louti (10 42 00 N 13 44 00 E): **RMCA**: 73.015-M-0255 - Sir (10 33 00 N 13 41 00 E, 750 m): **RMCA**: 73.015-M-0246, 73.015-M-0247, 73.015-M-0248, 73.015-M-0249, 73.015-M-0250, 73.015-M-0251, 73.015-M-0252, 73.015-M-0253, 73.015-M-0254 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.016-M-0161 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0242, 73.016-M-0162.

Central African Republic:

Bozo (05 08 26 N 18 28 44 E): **MNHN**: ZM-MO-1986-373 - Kemo, Upper (ca. 05 45 N 19 45 E): **MNHN**: ZM-MO-1892-2043.

Congo (Democratic Republic of the):

Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V1804 - Bulaga (11 37 S 27 40 E): **RMCA**: 26230 - Dethioux farm cave (11 02 00 S 26 35 00 E, 1334 m): **MHNG**: 1046.036 - Kadjidji (02 09 00 S 28 54 00 E, 1455 m): **MNHN**: ZM-MO-1984-1347, ZM-MO-1984-1348, ZM-MO-1984-1349, ZM-MO-1984-1350, ZM-MO-1984-1351, ZM-MO-1984-1352, ZM-MO-1984-1353, ZM-MO-1984-1354, ZM-MO-1984-1355, ZM-MO-1984-1356, ZM-MO-1984-1357 - Kakanda cave (104700S 263600E, 1438 m): **BMNH**: 1955.146; **RMCA**: 22890 - Kakyelo (12 21 00 S 29 35 00 E): **RMCA**: 10844, 10846, 10847 - Kasenga road, km 37 (11 37 00 S 27 40 00 E): **RMCA**: 23798 - Kaswabilenga (08 48 00 S 26 41 00 E, 700 m): **RBINS**: 10812 - Lubudi-Lusolo (09 56 S 25 58 E): **SMF**: 21243 - Lukatu cave (06 59 00 S 29 43 00 E, 827 m): **RMCA**: a7.006-M-0001 - Mahagi Port (020900N 311400E, 679 m): **BMNH**: 1954.797 - Makayova river, lower (00 43 00 N 29 43 00 E, 750 m): **INPBC**: V1345 - Mont Ne (01 42 00 N 30 39 00 E): **MHNG**: 921.034 - Mukween [= Mukwena] (114600S 272700E): **RMCA**: 23797 - Né, mount (014200N 303900E): **BMNH**: 1953.485 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V1354 - Sinda river (01 02 N 30 04 E, 830 m): **INPBC**: V481.1, V481.2, V481.3 - St Gerard mission (110200S 265700E, 1135 m): **RMCA**: 26234, 26235, 26236, 26237; **SMF**: 16878, 21244 - Tshambi (00 44 S 29 14 E, 1050 m): **RBINS**: 4781 - Tumbwe (ca. 01 00 00 S 29 15 00 E): **INPBC**: V1436 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 463477, 463478, 463479, 463480, 463481.

Djibouti:

Djibouti (1135N 4309E): **MCZ**: 14929 (Cotype *Nycteris Revoilii*).

Egypt:

Unknown locality: **BMNH**: 1904.7.8.2, 1924.2.19.7, 1976.9; **FMNH**: 85636, 85637, 85638, 85639, 85640, 85641, 85642, 85643, 85644, 85645, 85646, 85647, 85648, 85649, 85650, 85651, 85652, 85653, 85654, 85655, 85656; **MNHN**: 142, ZM-MO-1999-912, ZM-MO-1999-914; **NMW**: 27873; **RMNH**: MAM.27227; **SMF**: 12292, 12313, 1321, 5425; **SMTD**: B13973; **USNM**: 312397, 312398, 312399, 312400, 312401, 312402, 312403, 312404, 312405, 312406, 312407, 312408, 312409, 312410, 312411, 312412, 312413; **ZMA**: MAM.24245; **ZMB**: 3314, 39964, T09262 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 143942, 143943, 143944, 143945, 143946, 143947, 143948, 143949, 143950, 143951, 143952, 143953, 143954, 153545, 73960, 78584, 78585, 79098, 79099, 79100, 79101, 79102, 79103, 79104, 79105, 79106, 79107, 79108, 79109, 79110, 79111, 79112, 79113, 79114, 79115, 79116, 79117, 79753, 79754, 79755, 79756, 91645, 91646, 91647, 91648, 91649; **USNM**: 312366, 312367, 312368, 312369, 312370, 312371, 312372, 312392, 312393, 312394, 312395, 312396, 368686, 368687 - Beheira governate: **FLMNH**: 5528 - Bulaq (2510N 3038E): **BMNH**: 1921.5.6.3 - Cairo (30 03 00 N 31 15 00 E, 22 m): **SMF**: 5424 - Cairo, 20 km S (ca. 30 03 N 31 15 E): **SMF**: 25839, 25840, 25841; **USNM**: 13512 - Denderah [=Dandarah] (26 10 09 N 32 39 19 E, 67 m): **ZMB**: 21048 - Denderah Temple (26 10 09 N 32 39 19 E, 67 m): **FMNH**: 143955, 143956, 143957, 143958, 143959, 143960, 143961 - El Khatatba (3023N 3050E, 21 m): **FMNH**: 79718, 79719, 79720, 79721, 79722, 79723, 79724, 79725, 79726, 79727, 79728, 79729, 79730, 79731, 79732, 79733, 79734, 79735, 79736, 79737, 79738, 79739, 79740, 79741, 79742, 79743, 79744, 79745, 79746, 79747, 79748, 79749, 79750, 79751, 79752 - Giza Pyramids (29 58 N 31 07 E): **FMNH**: 79135, 79136, 79137, 79138, 79139, 79140, 79141, 79142, 79143, 79144, 79145, 79146 - Gizeh (30 00 29 N 31 12 39 E, 22 m): **BMNH**: 1908.11.5.4, 1908.4.17.8, 1921.5.6.2, 1967.2282 - Gizeh (ca. 3001N 3113E): **SMNS**: 4547, 4548 - Jabal Musa (2832N 3359E): **BMNH**: 1883.8.26.1 - Kafr Dawud (3028N 3049E): **FMNH**: 68199, 68200, 68201, 68202, 68203, 68204, 68205, 68206, 68207, 68208, 68209, 68210, 68211, 68212, 68213, 68214, 68215, 68216, 68217, 68218, 68219, 68220, 91410, 91411, 91412, 91413, 91414, 91415, 91416, 91417; **USNM**: 312315, 312316, 312317, 312318, 312319, 312320, 312321, 312322, 312323, 312324, 312325, 312326, 312327, 312328, 312329, 312330, 312331, 312332, 312333, 312334, 312335 - Karnak (2541N 3239E): **BMNH**: 1892.9.9.14, 1892.9.9.15 - Khayzan (2541N 3224E): **BMNH**: 1892.9.9.16 - Kom Hamada (3046N 3041E): **FMNH**: 68221, 68222, 68223, 68224, 68225, 68226, 68227, 68228, 68229, 68230, 68231, 68232, 68233, 68234, 68235, 68236, 68237, 68238, 68239, 68240, 68241, 68242, 68243, 68244, 68245, 68246, 68247, 68248, 68249, 91418, 91419, 91420, 91421, 91422, 91423, 91424, 91425, 91426, 91427, 91428; **USNM**: 312336, 312337, 312338, 312339, 312340, 312341, 312342, 312343, 312344, 312345, 312346, 312347, 312348, 312349, 312350, 312351, 312352, 312353, 312354, 312355, 312356, 312357, 312358, 312359, 312360, 312361, 312362, 312363, 312364, 312365, 368882, 368883, 368884, 368885, 368886, 368887, 368888, 368889, 368890, 368891 - Kom O Shim (2934N 3055E): **FMNH**: 79147, 79148; **USNM**: 312390, 312391 - Lake Moeris (2933N 3042E): **BMNH**: 1909.7.1.6 - Luxor (25 41 N 32 39 E, 76 m): **BMNH**: 1923.6.4.6 - Saqqara (29 51 N 31 13 E, 19 m): **FMNH**: 67656, 67657, 79118, 79119, 79120, 79121, 79122, 79123, 79124, 79125, 79126, 79127, 79128, 79129, 79130, 79131, 79132, 79133, 79134, 89386, 89387; **SMF**: 22662, 22663, 22664, 22665, 22666, 22667, 22668, 22669, 22670; **USNM**: 312373, 312374, 312375, 312376, 312377, 312378, 312379, 312380, 312381, 312382, 312383, 312384, 312385, 312386, 312387, 312388, 312389 - Seila (2921N 3058E): **BMNH**: 1924.2.19.1, 1924.2.19.2, 1924.2.19.3, 1924.2.19.4, 1924.2.19.5, 1924.2.19.6, 1924.2.19.8, 1924.9.19.7 - Shak Shouk (29 27 46 N 30 42 26 E): **ZMA**: MAM.24246 - Thebe

(2541N 3239E): **BMNH**: 1871 - Thebes (25 41 59 N 32 34 55 E): **MNHN**: 889 (Holotype *Nycteris Thebaicus*), ZM-AC-A6941, ZM-AC-A6942 - Valley of the Kings (25 44 N 32 36 E): **SMF**: 63526 - Wardan (3019N 3054E): **FMNH**: 153542, 153543, 153544, 67658, 67659, 67660, 67661, 67662, 67663, 67664, 67665, 67666, 67667, 67668, 67669, 67670, 67671, 67672, 67673, 67674, 67675, 67676, 67677, 67678, 67679, 67680, 67681, 67682, 67683 - Zokila (3003N 3115E): **USNM**: 300212, 300213, 300214, 300215.

Eritrea:

Adi Kaie [= Adi Caie] (1451N 3922E): **MZUF**: 6001, 6002, 6003, 6004 - Agordat (1533N 3753E): **MZUF**: 5401, 5402, 5409, 5410, 5413, 5957, 5960 - Asmara, 6 mi W (ca. 1520N 3851E, 2438 m): **FMNH**: 77814, 77815, 77816, 77817, 77818, 77819, 77820 - Cheren [=Keren] (ca. 15 45 N 38 20 E): **ZMB**: 2794b (Syntype *Nycteris labiata*) - Keren (154640N 382729E, 1590 m): **SMNS**: 980a (Syntype *Nycteris labiata*), 980b (Syntype *Nycteris labiata*) - Saganeiti (1504N 3912E): **MSNG**: 44535 - Sembel (1519N 3854E, 2286 m): **FMNH**: 79149.

Ethiopia:

Unknown locality: **MNHN**: ZM-MO-1985-288; **SMF**: 1322 - Abella (0642N 3756E): **BMNH**: 1969.868 - Abyssinia: **ZMB**: 2794a (Syntype *Nycteris labiata*), 5694 - Azum (1410N 3854E): **RMNH**: MAM.27231 - Chamo, NE of lake (05 58 N 37 55 E): **BMNH**: 1967.1132, 1967.1134 - Didessa river bridge (09 02 N 36 09 E, 1533 m): **BMNH**: 1972.4312 - Didessa settlement (09 02 N 36 09 E): **SMF**: 49096 - Dire Dawa, 3 km S (ca. 0932N 4153E): **OSU**: 6341, 6342, 6343 - Doki River Bridge (08 20 N 35 36 E): **SMF**: 49597, 49598, 49599, 49600, 49601 - Ghibbey valley (0815N 3736E): **BMNH**: 1960.339 - Ginir, 30 mi [=48 km] N (0706N 4039E, 1951m): **ROM**: 71901 - Gondar (1237N 3727E): **BMNH**: 1960.139 - Harar (0918N 4208E): **ZMB**: 54665, T09551 - Harrar [=Harar] (0918N 4208E): **BMNH**: 1912.2.28.1 (Holotype *Petalia damarensis media*) - Lake Langano (07 36 00 N 38 43 00 E): **SMF**: 28255, 28256 - Lake Shalla (0729N 3832E, 1800 m): **FMNH**: 105420, 105421 - Lalibela (1201N 3905E): **MZUF**: 8502, 8503, 8504, 8505 - Langano, W coast lake (0737N 3842E): **BMNH**: 1969.869 - Mabil (1020N 3645E): **BMNH**: 1970.448, 1970.449, 1970.450, 1970.451, 1970.452 - Mabil, 10 km W (ca. 1019N 3645E): **BMNH**: 1970.445, 1970.446, 1970.447 - Megbiya Ber (12 16 N 35 43 E, 607 m): **NMP**: 95920, 95921 - Mekinissa (0903N 3842E): **CM**: 47350 - Metahara, 1 km W (08 54 N 39 55 E, 1006 m): **BMNH**: 1971.646 - Torat (1310N 3715E): **MSNM**: 1034, 1035, 1036.

Ghana:

Akwanu, 5 mi W (0614N 0007E): **USNM**: 479183, 479184, 479185 - Bangwon (1058N 0241W): **USNM**: 479186, 479187, 479188, 479189, 479190, 479191, 479192, 479193, 479194, 479195, 479196, 479197 - Damongo (09 05 N 01 49 W, 230 m): **USNM**: 467930 - Nabogo (0944N 0049W): **USNM**: 479198, 479199, 479200, 479201, 479202 - Nkaw Nkaw (06 33 N 00 46 W, 253 m): **ROM**: 51638.

Guinea:

Kouroussa (10 39 N 09 53 W, 362 m): **MNHN**: ZM-MO-1905-450 - Nyembaro (1005N 1230W): **SMNS**: 6126, 6127, 6128, 6135; **ZFMK**: 1959.0353 - Park National du Haut Niger (ca. 10 17 06 N 10 07 20 W): **ZFMK**: 1997.0450.

Kenya:

Unknown locality: **BMNH**: 1975.2872_1, 1975.2872_2, 1975.2872_3, 1975.2872_4, 1975.2872_5; **QM**: JM6245; **RMNH**: MAM.25885, MAM.32127; **WAM**: M16546 - Akuryo waterhole, near (0213N 3546E): **MCZ**: 51575, 51593, 51594, 51595, 51596, 51597, 51598 - Archer's Post (0039N 3741E): **FMNH**: 152492, 152493; **ROM**: 78037 - Archer's Post (0039N 3741E, 914 m): **ROM**: 68418, 68419, 68420 - Athi river (0259S 3831E): **USNM**: 350864, 350865 - Baringo, lake (003400N 360100E, 3000 ft): **ROM**: 65890 - Bushwacker's Safari Camp (02 19 S 38 07 E): **SMF**: 57538, 57539 - Busia (002800N 340600E, 1206 m): **AMNH**: 184453 - Central Elgon (0105N 3445E, 1981 m): **ROM**: 65557, 65558, 65559, 65560, 65561, 65562, 65563, 65564, 65565, 65566, 65567, 65568 - Cherangani Hills (0115S 3527E, 1981 m): **ROM**: 73238 - Diani (041619S 393408E): **ROM**: 73579 - Diani Beach (04 18 13 S 39 35 01 E): **FMNH**: 67885 - Diani Beach, 10 km S (04 20 S 39 32 E): **SMF**: 57537 - Diani Forest (04 20 S 39 32 E): **RMNH**: MAM.SMEENK69 - Diatomite mine (00 25 49 S 36 10 25 E): **MMU**: PWW2817, PWW2914, PWW2915 - Elmenteita, near (0029S 3609E, 1981 m): **FMNH**: 67883 - Endebess (0104N 3451E): **ROM**: 67954 - Garsen (0216S 4007E): **BMNH**: 1975.2446 - Gedi National Park (03 18 S 40 01 E, 7 m): **SMF**: 41817 - Guaso Nyiro (0035N 3732E): **MCZ**: 8274, 8275, 8276, 8871 - Hoey's bridge (00 52 34 N 35 07 13 E, 1822 m): **BMNH**: 1975.2438; **FMNH**: 152487, 152488, 152489; **TTU**: 8300; **USNM**: 350860, 350861, 436507, 436508 - Kanyangareng (01 47 00 N 35 08 00 E, 607 m): **ROM**: 40274, 40275, 40276 - Karen (01 20 S 36 45 E, 1706-1829 m): **BMNH**: 1975.2444; **ROM**: 73272, 78034 - Karen, 10 mi]=16 km] SW (01 24 S 36 40 E): **USNM**: 436500, 436501, 436502, 436503, 436504, 436505, 436506 - Karibiti: **CM**: 61465, 61466, 61467 - Kenya, mount (0010S 3719E): **BMNH**: 1951.696 - Kericho (0022S 3517E, 2093 m): **ROM**: 48592, 48593, 48594, 48595 - Kerio Suk river (0056N 3516E): **BMNH**: 1926.5.12.18 - Kiboko Campsite (00 19 03 N 36 54 39 E): **MMU**: PWW2694 - Kibwezi (02 25 00 S 37 58 00 E, 3000 - 4000 ft): **AMNH**: 184452 - Kibwezi, 30 mi NNE (ca. 02 02 26 S 38 11 12 E, 3500 ft): **AMNH**: 184446, 184451 - Kibwezi, near (ca. 02 25 S 37 58 E, 3500 ft): **AMNH**: 184447, 184448, 184449, 184450 - Kibwezi, near (ca. 02 25 S 37 58 E, 4000 ft): **FMNH**: 67688, 67879, 67880, 67881, 67882 - Kijabe (005600S 363400E, 2049 m): **AMNH**: 119461, 36849; **FMNH**: 17214, 17215, 17216, 17217, 17218, 17219, 17220, 21283, 21284, 21285, 21286 - Kilifi (03 38 S 39 51 E, 61 m): **BMNH**: 1975.2440, 1975.2441, 1975.2441_1, 1975.2441_2, 1975.2441_3, 1975.2442, 1975.2443 - Kilifi (0338S 3951E, 61 m): **ROM**: 35308, 36288, 36289, 73247, 73251, 73252, 73253, 73254, 78033, 81465; **USNM**: 350855 - Kilifi cave (033800S 395100E): **ROM**: 91173 - Kilifi Creek (0338S 3951E): **FMNH**: 152469, 152470 - Kilifi Creek, head of (0335S 3947E, 61 m): **FMNH**: 152471, 152472, 152473, 152474, 152475, 152476, 152477, 152478, 152479, 152480, 152481, 152482, 152483 - Kirui (0108N 3433E): **MCZ**: 31160 - Kitale, 20 mi SW (0045N 3445E, 1829 m): **FMNH**: 152490 - Kitale, 24 km E (0101N 3514E, 1920 m): **ROM**: 73402, 73403, 73404, 73405, 73406, 73407, 73408, 73409, 73410, 73411, 73412, 73413, 73414, 73415, 73416, 73417, 73418 - Kitale, 29 km SW (0101N 3501E): **ROM**: 78032 - Kivani (0143S 3722E): **ROM**: 71429, 71430 - Kivondo Forest (0412S 3927E): **BMNH**: 1978.950 - Kivumoni Forest (0412S 3927E): **BMNH**: 1975.908 - Konza (0145S 3707E): **RMNH**: MAM.27127 - Koru, 10 km ENE (0010S 3517E): **ROM**: 78031 - Kyamunyu (013928S 371821E): **CUMV**: 13659, 18806 - Kyangili (0140S 3718E): **RMNH**: MAM.KYONGO1361 - Laikipia ranch (0016N 3632E): **BMNH**: 1975.2439 - Lake Elementeita (002625S 361434E): **ROM**: 35306 - Lake Elementeita (002625S 361434E, 6000 ft): **CAS**: 10135 - Lake Magadi (0152S 3617E): **ROM**: 36285, 36286 - Lake Magadi (0152S 3617E, 762 m): **FMNH**: 152491 - Lake Magadi, 40 km W (ca. 0145S 3549E, 762 m): **ROM**: 68421, 68422 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **ROM**: 36283; **USNM**: 350866, 350867, 350868, 350869 - Lake Naivasha, near (ca. 00 46 00 S 36 21 00 E, 1890 m): **FMNH**: 67884 - Langata forest (01 24 S 36 46 E, 1731 m): **SMNS**: 29336 - Lutore forest (0422S 3910E, 152 m): **ROM**: 59185, 59186, 59187, 59188, 59189 - Machakos district (02 00 S 37 40 E): **BMNH**: 1898.5.16.8; **RMCA**: 35580, 35581 - Malindi (031300S 400700E, 0 m): **ROM**: 36282 - Masabubu (011247S 400103E, 93 m): **AMNH**: 187289, 187321 - Masai Mara-NP: **HNHM**: 2000.65.1 - Molo river (0155S 3545E): **BMNH**: 1975.2877 - Mount Elgon (01 04 00 N 34 34 00 E, 1890-2250 m): **MCZ**: 31158, 31159, 49829, 49830, 62093 - Mount Elgon (ca. 010043N 344415E): **ROM**: 59076 - Mount Elgon (ca. 010043N 344415E, 1951 m): **ROM**: 38050,

38051, 38052, 51910 - Mount Menengai (00 12 00 S 36 04 00 E, 2256 m): **FMNH**: 85231, 85232 - Mukanda one cave (04 10 S 39 27 E): **ROM**: 76562, 76563, 76564, 76565, 76566, 76567, 76572 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 74536, 74537 - Mumandu Hill (014000S 371700E): **ROM**: 71142, 71143 - Murri (0411N 4042E): **BMNH**: 1954.950 - Muumandu Hill (014000S 371700E): **ROM**: 91320, 91321, 91322, 91323, 91324, 91325 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **CAS**: 11911; **NMW**: 10324; **ROM**: 77397; **WAM**: M16502 - Nairobi, 30 mi [= 48 km] E (0131S 3716E, 1524 m): **ROM**: 48649, 48650, 48651, 48652, 48653 - Nakuru (00 17 00 S 36 04 00 E, 1952 m): **ROM**: 38410, 38411, 38412, 38413 - Nanyuki, 38 km N (00 22 N 37 05 E): **ROM**: 73336, 73337 - Naro Moru (0010S 3701E, 1890 m): **ROM**: 81258 - Ndara hills (0329S 3842E): **BMNH**: 1910.6.2.30, 1910.6.2.31, 1910.6.2.32 - Ndi (0314S 3830E, 2000 m): **ZMB**: 5259 - Ndi (0315S 3831E): **USNM**: 350859 - Ngombeni [caves] (04 07 49 S 39 36 51 E, 31 m): **USNM**: 350853 - Ngong (01 22 00 S 36 39 00 E, 1829 m): **ROM**: 36284, 68415, 68416, 78029, 78030; **USNM**: 301524, 350858 - Ngong Hills (01 24 S 36 38 E): **USNM**: 350856, 350871 - Nyama Yango (0054N 3735E): **FMNH**: 152494 - Pyramid Camp (00 18 34 N 36 04 34 E): **MMU**: PWW2716 - Rift Valley [former] province: **SMF**: 40674 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 71029, 71030, 71031 - Rongai, 5 mi SW (ca. 0011S 3552E): **FMNH**: 152484, 152485, 152486 - Saboti (005600N 345000E): **ROM**: 65821, 65822, 65823, 65824, 65825, 65826, 65827, 65828 - Saboti caves (0107N 3435E, 1951 m): **ROM**: 35854, 35855, 35856, 35857, 35858, 35859, 35860, 35861, 35864 - Sagalla (0331S 3834E, 864 m): **FMNH**: 17213, 21243 - Shimba Hills (04 13 00 S 39 25 00 E, 305 m): **RMCA**: 35267; **ROM**: 36697, 79651, 79652, 79653, 79655, 79656, 85764 - Shimoni (04 38 50 S 39 23 00 E, 0 m): **CM**: 61464; **FMNH**: 73082, 73083 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 65889 - South-East slope of Mount Elgon (ca. 0108N 3433E, 1829 m): **FMNH**: 67873, 67874, 67875, 67876, 67877, 67878 - Taita (0320S 3820E): **BMNH**: 1879.1.21.2 Duplicate, 1879.1.21.3, 1900.10.6.3 - Takaungu (0341S 3951E): **BMNH**: 1901.5.1.15, 1901.5.1.16 - Talek Gate, 4.3 km NW (01 23 S 34 53 E, 1530 m): **FMNH**: 123797 - Tamkal Camp (0122N 3529E): **BMNH**: 1975.2447 - Taveta (0323S 3740E): **BMNH**: 1910.7.2.19, 1910.7.2.20, 1910.7.2.21, 1910.7.2.22, 1910.7.2.23 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 66818, 66819 - Trans-Nzoia district (0050N 3500E): **BMNH**: 1926.5.12.19 - Ukunda, 3.5 km S, 1 km E (0419S 3934E): **MCZ**: 59872 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **MCZ**: 31841 - Watamu (03 21 S 40 01 E, 0 m): **ZMA**: MAM.20748, MAM.20749 - Watamu Beach (03 21 S 40 01 E, 0 m): **ROM**: 79654.

Malawi:

Unknown locality: **BMNH**: 1987.1039, 1987.1040, 1987.1041, 1987.1042, 1987.1043, 1987.1044, 1987.1045, 1987.1046 - Balaka, 20 km N (on road to Salima) (14 51 22 S 34 52 26 E): **ZMA**: MAM.28356, MAM.28357, MAM.28358 - Bua Camp, Guard houses (12 49 S 34 10 E, 600 m): **ZMA**: MAM.28359 - Chimpeni farm (15 24 S 35 25 E, 750 m): **ZMA**: MAM.28360, MAM.28361 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.12.17.29, 1922.12.17.30, 1922.12.17.31, 1922.12.17.32, 1922.12.17.33, 1922.12.17.34, 1922.12.17.35, 1922.12.17.36; **KU**: 79280, 79281 - Karonga, 10 km W (09 57 01 S 33 50 12 E, 1000 m): **ZMA**: MAM.28363 - Kota Kota (12 55 00 S 34 18 00 E, 471 m): **AMNH**: 161861; **KM**: 11676, 11677, 11678 - Livingstonia Beach (Hotel) (13 43 S 34 37 E, 480 m): **ZMA**: MAM.28368, MAM.28369 - Misuku-Mughese Mission (= Mugesse, Misuku) (09 41 02 S 33 27 29 E, 1500m): **ZMA**: MAM.28364 - Monkey Bay, 4-5 km from (14 07 S 34 53 E): **ZMA**: MAM.28365, MAM.28366, MAM.28367 - Namizimu Forest Reserve (14 11 20 S 35 22 49 E): **FMNH**: 226238 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1541 m): **FMNH**: 192106, 192107 - Tembuka (1428S 3516E): **MCZ**: 43767 - Vwaza Marsh Game Park (10 53 S 33 27 E): **ZMA**: MAM.28370 - Zomba (15 23 00 S 35 20 00 E, 800-900 m): **ZMA**: MAM.28362.

Mali:

Adrar (20 00 N 02 00 E): **MNHN**: ZM-MO-1987-239.

Morocco:

Chichaoua (3130N 0847W): **USNM**: 476879, 476880, 476881, 476882, 476883, 476884, 476885 - Chichaoua, 20 km S (ca. 3130N 0847W): **USNM**: 476197, 476198, 476199, 476200, 476201, 476202 - Tagonidert: **BMNH**: 1922.5.30.5 - Tiflet, 21 km W (3359N 0634W): **USNM**: 476203, 476204, 476205, 476206, 476207, 476208, 476878 - Tiguerte cave (ca. 30 38 N 09 50 W): **EBD**: MAM 23263.

Mozambique:

Unknown locality: **BMNH**: duplicate - Amamba (20.0S 33.75E): **NHMZ**: 64244 - Beira, 212 km SSW (212612S 335101E): **TTU**: 8299 - Boror (1753S 3651E): **BMNH**: 1858.6.18.15 (Syntype *Nycteris fuliginosa*), 1907.1.1.337 (Syntype *Nycteris fuliginosa*); **RMNH**: MAM.J1888-171b; **ZMB**: 392, 3954, 562, 85647, 85666 - Caia Lodge (17.8471S 35.32311E): **DNSM**: 8667 - Cheringoma Caves (18 33 53 S 034 52 19 E): **DNSM**: 8668 - Chicualacuala (22.63S 31.63E): **CZL**: 4800714 - Dondo Forest (19 36 S 34 44 E): **ROM**: 51069, 51070, 51071 - Gurue, 2.9 km N, 8.9 km E (1525S 3704E, 984 m): **FMNH**: 177098, 177099, 177100, 177101, 177102, 177213 - Guya (2344S 3521E): **TM**: 1668 - Jongamo (2406S 3519E): **USNM**: 352013, 352014, 352015, 352016, 352017, 352018, 352019, 352020, 352021, 352022, 352023, 352024, 352025, 352026, 352027, 352028, 352029, 352030, 352031, 352032, 352033 - Inhaminga (18 24 S 35 00 E): **DNSM**: 718 - Massangena (21 33 18 S 32 57 38 E, 115 m): **USNM**: 352011, 352012 - Mehave (21.07S 34.75E): **NHMZ**: 63313 - Milepa (11 44 02 S 36 17 32 E, 476 m): **BMNH**: 1952.1543 - Muaredzi River, karst cave 1 (18 48 42 S 34 44 12 E): **FMNH**: 214721 - Muchena (15 40 56 S 33 48 20 E, 356 m): **TM**: 14683; **USNM**: 365148, 365149 - Sabi river (2520S 3219E): **BMNH**: 1907.5.27.1, 1907.5.27.2 - Save River Bridge, 30 km N? (21.63S 32.38E): **NHMZ**: 63372 - Tete, 2 mi SE (1607S 3337E): **USNM**: 365136, 365137, 365138, 365139, 365140, 365141, 365142, 365143, 365144, 365145, 365146, 365147 - Tette (1610S 3335E): **BMNH**: 1908.4.3.20, 1908.4.3.21, 1908.4.3.22, 1908.4.3.23, 1908.4.3.94 - unspecified locality: **TM**: 1665 - Vila Gamito (140959S 325213E): **TM**: 14684, 14685, 14686, 14687, 14688, 14689, 14690, 14691, 14692, 14693; **USNM**: 365150, 365151, 365152, 365153, 365154, 365155, 365156, 365157, 365158, 365159, 365160, 365161, 365162, 365163, 365164, 365165, 365166, 365167, 365168, 365169, 365170, 365171, 365172, 365173, 365174, 365175 - Vila Gamito, 10 km N (1404S 3259E): **USNM**: 367456, 367457, 367458, 367459, 367460, 367461, 367462, 367463, 367464, 367465, 367466, 367467, 367468, 367469, 367470, 367471, 367472, 367473, 367474, 367475, 367476, 367477, 367478, 367479, 367480, 367481, 367482, 367483, 367484, 367485, 367486, 367487, 367488, 367489, 367490, 367491, 367492, 367493, 367494, 367495 - Vila Gouveia (1803S 3311E): **USNM**: 365177 - Zinave (21 26 12 S 33 51 01 E): **AMNH**: 245150 - Zinave NP, 3 km SSW (21.39S 33.89E): **NHMZ**: 63308, 63311 - Zinave, 3 km SW (ca. 2127S 3351E): **AMNH**: 245151, 245152 - Zinave, 5 km W (ca. 2127S 3351E): **AMNH**: 245153, 245154, 245155.

Namibia:

Unknown locality: **FMNH**: 84179, 84180; **SMNS**: 4084, 4084A, 4084B - Andara, Okavango (18.13S 21.38E): **SMW**: 6695 - Arnhem Cave (22.7S 18.1E): **SMW**: 3504 - Arnhem cave (23 27 S 18 32 E): **MNHN**: ZM-MO-2001-1554, ZM-MO-2001-1555, ZM-MO-2001-1556, ZM-MO-2001-1557, ZM-MO-2001-1558 - Beenbreck (23.38S 17.88E): **SMW**: 12234 - Berseba (2559S 1747E, 3067 ft): **USNM**: 256927, 256929 - Berseba (2600S 1746E): **USNM**: 256921, 256922, 256928 - Damaraland: **ZMB**: 6172 - Damaraland (2100S 1730E): **BMNH**: 1838.2.8.4 (Syntype *Nycteris damarensis*) -

De Start 1014 (18.95S 19.15E): **SMW**: 13703 - De Valle (24 18 S 16 18 E): **SMW**: 13626; **ZFMK**: 1959.0412, 1959.0413, 1959.0414, 1959.0415, 1959.0416 - Diamond Area 1 (28.55S 16.42E): **SMW**: 10076 - Erongorus Usakos (21 44 S 15 29 E): **TM**: 16342 - Etosha NP, Halali (19.13S 16.38E): **SMW**: 13620 - Etosha NP, Okaukuejo (19.13S 15.88E): **SMW**: 13619 - Farm Arnhem [=Arnem] (2241S 1808E): **TM**: 16349, 16350, 16351, 16352, 16353, 16354, 16355, 16356, 16357, 16358, 16359, 16360, 16361, 16362, 16363, 16364, 16365, 16366, 16367, 16368 - Farm Rheinvels (2657S 1726E): **TM**: 32546 - Felseneck/Naukluft (2400S 1600E): **ZFMK**: 1959.0417, 1959.0419, 1959.0420, 1959.0421, 1959.0422 - Friedrichswald (2219S 1616E): **FMNH**: 83457, 83458, 83459, 83460, 83461, 83462, 83463 - Geiersberg (22.13S 17.88E): **SMW**: 6465 - Gemsbok Pan (2345S 1905E): **TM**: 6555 - Gobabeb (2330S 1503E): **USNM**: 342149, 342150, 537291, 537292, 537293, 537294, 537296, 537297, 537298 - Gobabeb, Namib Desert (23.55S 15.05E): **SMW**: 11788 - Grootfontein, 40 km WNW (19.38S 17.88E): **LACM**: 41617 - Gross Barmen (2206S 1645E): **ZMB**: 3298 - Halali Camp (1732S 1435E): **TM**: 35972, 35973 - Hoasas (20.38S 16.63E): **SMW**: 2682 - Hohewarte Farm (223829S 172430E): **MVZ**: 117107, 117108, 117109, 117110, 117111, 117112, 117113, 117114, 117115, 117116, 117117, 117118, 117119 - Kake, Okavango (18.13S 21.63E): **SMW**: 6508 - Kaoko-Otavi (18 18 S 13 42E, 1370 m): **KM**: 1682 - Karibib (21 56 S 15 50 E, 1139 m): **BMNH**: 1925.1.2.281, 1925.1.2.282, CN1005, CN868, CN869, CN870, CN871; **KM**: 1676, 1677 - Karolinenhof (2200S 1900E): **BMNH**: 1926.12.7.2, 1926.12.7.3; **KM**: 1678, 1679, 1680 - Keetmannshoop (2636S 1808E): **USNM**: 256930; **ZMH**: 10 - Keetmanshoop (26.58S 18.13E): **KM**: 32585 - Keetmanshoop, 35 km SSW (26.95S 17.93E): **TM**: 32516 - Klein Windhoek (2235S 1708E): **BMNH**: 1935.1.6.20, 1935.1.6.21 - Kochina (27 12 S 18 52 E): **BRTC**: 20890 - Marienthal (24 38 00 S 17 58 00 E, 1114 m): **SMF**: 21321 - Mount Raupenhelm, near: **FMNH**: 78164, 78165, 78166, 78167, 78168, 78169 - Namib Desert Research Station (233300S 150200E): **USNM**: 537295 - Namibia Desert Research Station [= DERU] (2333S 1503E): **TM**: 15164, 15165, 15166 - Neuhof-Kowas Farm (22 34 S 17 06 E): **SMF**: 15399, 15400 - Ngweze (1727S 2410E): **KM**: 1670 - Nuichan [=Nuitsas] (1915S 1835E, 1500 m): **MCZ**: 37053; **ZMB**: T10183 - Nuitsas (1915S 1835E): **BMNH**: 1935.9.1.70, 1935.9.1.71, 1935.9.1.72, 1935.9.1.73, 1935.9.1.74, 1935.9.1.75, 1935.9.1.76, 1935.9.1.77; **KM**: 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713 - Nuitsas Farm (2502S 1648E): **ZMH**: 6 - Oas (2237S 1922E): **BMNH**: 1926.12.7.350, 1926.12.7.351; **NMW**: 10317, 10318, 10319 - Ohopoho (18.13S 13.88E): **SMW**: 2688 - Okahandja (21 59 S 16 55 E, 1324 m): **FMNH**: 77501, 77502, 77503, 78159, 78160, 78161, 78162, 78163; **ZFMK**: 1934.0092, 1934.0093, 1934.0094, 1934.0166; **ZMB**: T09257; **ZMH**: 1 - Okakarara (20.63S 17.63E): **SMW**: 11499 - Okatana (17 47 00 S 15 41 00 E, 1074 m): **RMCA**: 95.093-M-0016 - Omaruru (2122S 1524E): **FMNH**: 77504 - Ombalantu (17.38S 14.88E): **TM**: 1172 - Ombombo (1843S 1353E): **BMNH**: 1928.9.11.27, CN3566 - Ombonde (19.55S 14.53E): **SMW**: 10917 - Ondangua (1745S 1559E): **BMNH**: 1925.12.4.13, 1925.12.4.14; **KM**: 1698 - Ondongwa (3378 ft): **BMNH**: CN1482, CN1483, CN1484 - Oshikanga (1725S 1555E): **TM**: 8298, 8299, 8300, 8301, 8302 - Oshikango (172400S 155300E): **CAS**: 12524; **MVZ**: 117122, 117123, 117124, 117125, 117126, 117127, 117128, 117129, 117130, 117131, 117132, 117133, 117134, 117135, 117136 - Otjikoko Sud 61 (2118S 1627E): **TM**: 37645, 37646 - Otjikoko-Sud (21.88S 16.88E): **SMW**: 3510 - Otjimbingue (22 21 S 16 08 E, 844 m): **TM**: 16344, 16345, 16346, 16347, 16348 - Otjimbingue (2215S 1610E): **TM**: 16343 - Otjimbojo: **ZFMK**: 1955.0514, 1955.0515 - Otjitundua (18 37 S 14 08 E, 1517 m): **BMNH**: 1928.9.11.23, 1928.9.11.28, 1928.9.11.29, 1928.9.11.30, 1928.9.11.31, 1928.9.11.32, 1928.9.11.34, 1928.9.11.35, 1928.9.11.36, 1928.9.11.37, CN3069, CN3070, CN3098, CN3105, CN3143, CN3167, CN3211, CN3249, CN3273, CN3275; **DNSM**: 16, 17; **FMNH**: 48753, 48754, 48755, 48756, 48757; **KM**: 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1695, 1697, 20183; **MCZ**: 37052, 37054, 37055 - Otjovasando (19.38S 14.63E): **SMW**: 8076 - Outjo (2008S 1608E): **BMNH**: 1953.22, 1953.23, 1953.24; **SMNS**: 17471, 17472 - Outjo, W (20.13S 15.88E): **KM**: 28193 - Pipistrelle cave (21.3S 16.45E): **SMW**: 11319 - Qoabendus (19 17 S 14 31 E): **FMNH**: 48752 - Quickborn (2109S 1705E): **TM**: 3379 - Rehoboth (2319S 1705E, 1382 m): **FMNH**: 77505 - Rehoboth, 20 km NW (22.67S 16.83E): **LACM**: 56190 - Richthoven (22 38 00 S 14 44 00 E, 110 m): **RMCA**: 94.041-M-0003, 94.041-M-0004 - Sandfontein (farmstead) (22 18 S 19 59 E, 4100 ft): **KM**: 1681 - Sinclair Mine (25.63S 16.38E): **SMW**: 6731 - Swartbooisdrift (1720S 1350E): **BMNH**: 1928.9.11.26; **KM**: 1683, 1684, 1685 - Swartkop (2833S 1625E): **TM**: 32648 - Talana (21.88S 18.13E): **SMW**: 6427 - Tshimhaka (1720S 1350E): **FMNH**: 48758, 48759 - Uis (21.13S 14.88E): **SMW**: 2690 - Uis tin mine (2114S 1452E): **ROM**: 45668, 45669, 45670, 45671, 58743, 58744, 58745, 78035 - Ukualuisi (1800S 1500E): **BMNH**: 1925.12.4.10, 1925.12.4.11, 1925.12.4.12; **KM**: 1699, 1700, 1701 - Ukualuisi (1800S 1500E, 3390 ft): **BMNH**: CN1168, CN1169, CN1170, CN1434, CN1435, CN1436 - Ukualukasi (1732S 1437E): **BMNH**: 1925.12.4.15, 1925.12.4.16; **KM**: 1702, 1703, 1704, 1705 - Ukualukasi (1732S 1437E, 3400 ft): **BMNH**: CN1398, CN1399, CN1400, CN1401, CN1402, CN1403 - Waterberg (20.63S 17.63E): **SMW**: 4333 - West End (19.38S 14.38E): **SMW**: 13705 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **BMNH**: 1925.1.2.283, CN3842; **KM**: 1675; **SMW**: 6740 - Windhuk (22 34 12 S 17 05 01 E, 1721 m): **BMNH**: CN1035 - Windpoort Farm 428, Tandala Ridge (19 21.489 S 15 29.028 E): **CAS**: 29767, 29771, 29772, 29773, 29774, 29776, 29841, 29843, 29845, 29846, 29847, 29848, 29849.

Niger:

I-N-Gall (16 47 10 N 06 56 10 E, 456 m): **RMCA**: 73.041-M-0129 - Tapoa, 2 km E (12 36 N 02 29 E): **USNM**: 462781 - Zinder (13 48 00 N 08 59 00E, 479 m): **BMNH**: 1921.2.11.2, 1921.2.11.3, 1934.1.3.67.

Nigeria:

Afon (0819N 0431E): **USNM**: 402682, 402684 - Dada (1134N 0429E): **USNM**: 479117, 479118, 479119, 479120, 479121, 479122, 479123, 479124, 479125, 479126, 479127, 479128, 479129, 479130, 479131, 479132, 479133, 479134, 479135, 479136, 479137, 479138, 479139, 479140, 479141, 479142, 479143, 479144, 479145, 479146, 479147, 479148, 479149, 479150, 479151, 479152, 479153, 479154, 479155, 479156, 479157, 479158, 479159, 479160, 479161, 479162, 479163, 479164, 479165, 479166, 479167, 479168, 479169, 479170, 479171, 479172, 479173, 479174, 479175, 479176, 479177, 479178, 479179, 479180, 479181, 479182 - Farniso (1206N 0830E): **BMNH**: 1921.2.11.4 - Ibadan University College (07 23 16 N 03 53 47 E, 237 m): **USNM**: 483196 - Karaduwa (1219N 0741E): **USNM**: 402641, 402642, 402643 - Panisau (1143N 0732E): **USNM**: 401651, 402644, 402645, 402646, 402647, 402648, 402649, 402650, 402651, 402652, 402653, 402654, 402655, 402656, 402657, 402658, 402659, 402660, 402661, 402662 - Rafin Dinya (09 45 32 N 07 27 05 E, 544 m): **ZMA**: MAM.19188 - Samaru (1110N 0738E, 730 m): **ROM**: 74212 - Sokoto, 12 mi N (ca. 1302N 0515E): **USNM**: 378795, 378796, 378797, 378798, 378799, 378800 - Zaria (1101N 0744E): **ROM**: 84070.

Rwanda:

Astrida (023550S 294420E, 1733 m): **RBINS**: 16005, 16006 - Kagera National Park (01 30 S 30 30 E): **INPBC**: V1904 - Kakitumba (01 29 S 30 17 E, 1400 m): **INPBC**: V3131 - Kidaho (012212S 294433E, 1944 m): **RMCA**: 87.046-M-0344, 87.046-M-0345 - Kionja (01 50 S 30 43 E, 1677 m): **INPBC**: V3085A, V3085B - Kisenyi (01 41 15 S 29 15 17 E, 1450 m): **INPBC**: 1804 - Muhabura (volcano) (01 23 04 S 29 42 32 E): **RMCA**: 87.046-M-0346 - Muluchu (01 32 S 30 37 E): **INPBC**: V3146A, V3146B, V3146C, V3146D, V3146E, V3146F, V3146G - Rukira (021300S 303500E, 1709 m): **RMCA**:

82.006-M-0930 - Shangi Schad (022413S 290021E): **RMCA**: 85.006-M-0455, 85.006-M-0456 - Simbi cave (023039S 294003E): **RBINS**: 15936.

Senegal:

Unknown locality: **BMNH**: 1971.1560; **MNHN**: ZM-MO-1999-913 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1977-596, ZM-MO-1977-597, ZM-MO-1977-598, ZM-MO-1977-599, ZM-MO-1977-600, ZM-MO-1984-1295, ZM-MO-1984-1296, ZM-MO-1984-1297, ZM-MO-1984-1298, ZM-MO-1984-1299, ZM-MO-1984-1300, ZM-MO-1984-1301, ZM-MO-1984-1302, ZM-MO-1984-1303, ZM-MO-1984-1304, ZM-MO-1984-1305, ZM-MO-1984-1306, ZM-MO-1984-1307, ZM-MO-1984-1308, ZM-MO-1984-1309 A, ZM-MO-1984-1309 B, ZM-MO-1984-1309 C, ZM-MO-1995-660, ZM-MO-1995-661, ZM-MO-1995-663 - Bandia (1437N 1702W): **ZFMK**: 1976.0032, 1976.0033, 1976.0034 - Diattacounda (1234N 1540W): **ZFMK**: 1976.0162, 1976.0167, 1976.0174, 1976.0175, 1976.0184, 1976.0185, 1976.0188 - Kedougou (1235N 1209W): **MCZ**: 32234, 32235 - Koular (134100N 161100W, 2 m): **MNHN**: ZM-MO-1977-626 - M'Bour (1422N 1654W): **MHNG**: 1079.073 - Richard Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1984-1339, ZM-MO-1984-1340, ZM-MO-1984-1341, ZM-MO-1984-1342, ZM-MO-1984-1343, ZM-MO-1985-1009, ZM-MO-1985-1010, ZM-MO-1985-1011, ZM-MO-1985-293 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1977-588, ZM-MO-1977-589, ZM-MO-1977-590, ZM-MO-1977-591, ZM-MO-1977-592, ZM-MO-1977-593, ZM-MO-1977-594, ZM-MO-1977-595, ZM-MO-1995-664.

Sierra Leone:

Freetown (0830N 1315W): **BMNH**: 1953.44 - Hamilton Village (082255N 131535W, 60 m): **ROM**: 77652, 77653, 77654, 77655, 77656, 77657 - Mongberi (0758N 1154W): **BMNH**: 1956.35 - Russel village (0815N 1305W, 50 m): **ROM**: 77471, 77472, 77473, 77474, 77475, 77476, 77477, 77478, 77479, 77480, 77481, 77482.

Somalia:

Unknown locality: **BMNH**: 1910.3.27.3 - Bender Cassim (1118N 4910E): **MSNM**: 1028, 1029, 1030, 1031 - Callis (0820N 4906E): **MZUF**: 6315, 6316, 6317, 6318, 6319, 6320 - Candala (112816N 495226E, 2 m): **AMNH**: 188270, 188271 - Candala (1129N 4952E): **MSNM**: 1038 - El-Bur (0440N 4630E): **MSNM**: 1033 - Hargeisa (0933N 4404E): **BMNH**: 1948.331, 1953.586 - Mijertein province (0900N 5000E): **MSNM**: 1037 - Mogadischu [=Mogadishiu =Moqdisho] (0204N 4522E): **ZMB**: T10214 - Ruspoli: **BMNH**: 1897.3.6.4 - Somalia: **MNHN**: 881-2?, ZM-MO-1881-1 (174a) (Paratype *Nycteris Revoilii*), ZM-MO-1881-3 (174b) (Paratype *Nycteris Revoilii*), ZM-MO-1881-4 (174) (Holotype *Nycteris Revoilii*) - Upper Sheikh (0956N 4513E): **BMNH**: 1908.4.9.3, 1909.12.17.1, 1909.12.17.2, 1910.7.19.1 - Upper Sheikh (0956N 4513E, 4 300 ft): **BMNH**: 1910.3.27.1, 1910.3.27.2, 1910.3.27.4 (Holotype *Petalia damarensis brockmani*), 1910.3.27.5.

South Africa:

Unknown locality: **BMNH**: 1856.6.14.4; **RMNH**: MAM.52191; **ZMB**: 3038 - Aberdeen (32.36S 23.45E): **KM**: 24646 - Agriculture station (2725Cc): **NMB**: 1589 - Albany District (33.22S 26.77E): **KM**: 32586 - American cave (25 54 00 S 27 46 00 E): **BRTC**: 36410 - Anthrax camp (22 25 30 S 31 12 30 E): **TM**: 36637 - Bangu Poort, cave near (24 08 28 S 31 48 42 E): **KNP**: 85 - Bishopstowe cave (29 34 36 S 30 27 20 E, 823 m): **TM**: 13744, 13745 - Bloemfontein (29 08 00 S 26 12 00 E, 1423 m): **NMB**: 1090 - Bluff (29 55 54 S 31 00 48 E, 20 - 81 m): **DNSM**: 1095 - Bluff (29 55 54 S 31 00 48 E, 40 m): **DNSM**: 7266 - Bluff (29 55 54 S 31 00 48 E, 60 m): **DNSM**: 10723, 10724, 10735 - Blyde River Canyon [=Blyderivier Blyderivierspoort] Nature Reserve (2435S 3047E): **TM**: 23524, 40302 - Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes] (2441S 3050E): **TM**: 39969, 39970, 40094, 40095, 40096 - Bordeaux, Farm (22 41 S 29 38 E): **TM**: 20409, 20410, 20411, 20412 - Bube pan (27 47 S 32 12 E): **DNSM**: 4576, 4577, 4578, 4582, 4583, 4585, 4589; **TM**: 35295, 35296, 35297, 35298, 35299, 35333, 35338, 35339, 35340, 35341, 35342 - Buffelshoek Farm 446 KQ (244018S 272138E): **USNM**: 468392, 468393, 468394, 468395, 468396, 468397, 468398, 468399, 468400, 468401 - Caffraria: **MNHN**: ZM-MO-1999-915 - Cape of Good Hope: **MNHN**: ZM-MO-1999-916; **ZMB**: 3092 - ClanwIlliam (32.12S 18.45E): **KM**: 1722 - Colesburg (3025Ca): **TM**: 42501 - Craigadam (27 30 17 S 31 22 19 E): **TM**: 37162 - Culling camp (22 25 40 S 31 15 15 E): **TM**: 38086 - De Hoop, wildproefplaats (34 27 18 S 20 23 57 E): **ZMA**: MAM.02765 - D'Nyala Provincial Nature Reserve (23 45 S 27 48 E): **TM**: 19961, 19962, 19963, 19964, 19965, 20006, 41159 - Doornhoek mine (29 36 S 30 31 E, 535 m): **KU**: 135656, 135657; **TTU**: 40970, 40971 - Doornkraal campsite (27 30 27 S 31 12 25 E): **TM**: 31757 - Dumisa Gold Mine (30 16 05 S 30 26 29 E, 685 m): **TM**: 36252 - Durban (29 51 00S 31 01 00 E, 27 m): **BMNH**: 1907.1.1.335; **RBINS**: 12301 - Durban North (29 48 00 S 31 02 00 E, 106 m): **DNSM**: 7908 - Dzundwini (22 46 S 31 10 E): **TM**: 29968 - Eshowe (28 53 S 31 28 E, 540 m): **TM**: 7377 - Estcourt (29 00 S 29 53 E, 1196 - 1418 m): **KM**: 23619 - Farm Bokveld, on Limpopo River (221900S 301100E): **TM**: 42517 - Farm Dordrecht (2328Cd): **TM**: 24722, 24723 - Farm Duiwelskloof 376 [=Mokeetsi] (23 42 S 30 08 E): **TM**: 2542, 2866, 2867, 2868, 2869, 9987 - Farm Goedhoek [=Goudhoek] (2823S 3104E): **TM**: 30125, 30144, 36388, 36389, 36390, 36391, 36392, 36393, 36394, 36395, 36396, 36397, 36398 - Farm Goodhouse 23 (28 54 S 18 1 5E, 210m): **TM**: 8304 - Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence (2213S 2922E): **TM**: 40073, 40074 - Farm Keikamspoort 71 (2950S 2247E): **TM**: 27285, 27286, 27287 - Farm Kersbos (3057S 1812E): **TM**: 28028, 28029, 28030, 28031, 28032, 28033, 28034, 28050, 28051, 28052, 28053 - Farm Luna 61MS [=V.L.N.R.] (2220S 2922E): **TM**: 45422, 45423, 45424, 45425, 45426, 45427, 45428 - Farm Modderfontein, Howell Davies Cave (2425S 2912E): **TM**: 12560 - Farm Mooigenoeg 83 (2442S 2620E): **TM**: 23548, 23562, 23569, 23570, 23571 - Farm Mooiplaas 94 (24 45 S 26 24 E): **TM**: 20489 - Farm Olifantspoort 328 [=Retiefkloof] (25 50 S 27 15 E): **TM**: 19629, 19630 - Farm Rooikrans [=Rooikranz] 538 (2453S 2739E): **TM**: 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1666, 1667 - Farm Scrutton 23MT (222100S 302100E, 1450 ft): **TM**: 20313 - Farm Secheili's Oude Stad 6 (2453S 2558E): **TM**: 8890, 8891, 8892 - Farm Vergelegen 80JS, Loskop Dam Wall Inspection Tunnel (2525S 292110E): **TM**: 47103 - Farm Welgevonden (ca. 23 04 44 S 30 05 33 E): **DNSM**: 13614, 13615 - Farm Welgevonden 449 (23 32 S 28 26 E, 860 - 1277 m): **TM**: 23307, 23308, 23309, 23310, 23311 - Farm Zanrivier (2439S 2802E): **TM**: 41548 - Fauresmith (2924Cb): **NMB**: 9563 - Fauresmith (2925Cb): **NMB**: 2043 - Fauresmith District (29.88S 25.38E): **NM**: 82043 - Figaro Mine (2527S 3128E): **TM**: 41328, 41329 - Figtree camp (222550S 311150E): **TM**: 36100 - Forest Hills (29 45 S 30 49 E, 555 m): **DNSM**: 7072 - Fountains (25 47 S 28 11 E): **TM**: 1035, 1037, 1039; **USNM**: 376753 - Fountains Grove (25 47 S 28 11 E): **TM**: 1036 - Fountein Grove (25 47 00 S 28 11 00 E): **BRTC**: 20888 - Gatkop cave (24 37 05 S 27 39 08 E): **TM**: 48457, 48458, 48460 - Gazankulu, Manyeleti Game Reserve, Main Camp (2438S 3128E): **TM**: 38602 - Gazankulu, Manyeleti, Hermitagie Camp (2436S 3127E): **TM**: 38601 - Gilletts (294800S 304800E, 592 m): **TM**: 5034 - Goegap NR (29.65S 17.98E): **MMK**: MAM/7129 - Goodhouse (2854S 1815E): **KM**: 1715, 1716, 1717, 1718 - Graaff Reinet, 23 mi SE (3227S 2445E): **USNM**: 424101 - Graham's Town (331800S 263200E, 500 m): **MNHN**: ZM-MO-1999-911 - Grahamstown (33 18 S 26 32 E, 500 m): **MCZ**: 25162; **TM**: 6664 - Grahamstown, 12 km NW (33.12S 26.37E): **NHMZ**: 59386 - Gravelotte mines (23 57 S 30 37 E): **TM**: 40984 - Greefswald [= Mapungubwe] (2212S 2922E): **TM**: 20393, 20406, 20407 - Griekwastad, 25 km NNE (28.63S 23.3E): **MMK**: MAM/2752 - Grootvadersbosch (33 50 S 20 53 E): **BRTC**: 20889; **TM**: 8977, 8978, 8979, 8980, 8982 - Happy Thoughts Gold Mine (3016S 3036E): **DNSM**: 5439, 5440, 5441 - Hartbeesfontein

603 KQ (24 47 04 S 27 45 49 E, 1182 m): **DNSM**: 14278 - Hazelmere Dam (2936S 3101E): **TM**: 40069 - Hectorspruit (25 26 00 S 31 41 00 E, 245 m): **TM**: 1041, 1042, 1043, 1044, 1319, 1320, 1321 - Hella Hella Game Reserve (29 54 S 30 05 E, 564 m): **DNSM**: 5074 - Hella Hella GR (29 54 S 30 05 E, 564 m): **DNSM**: 5752 - Hella-Hella Game Valley Estates (2954S 3003E): **DNSM**: 5312 - Hennops River (2549.560S 2759.081E): **TM**: 46438, 47674 - Hlabisa (2811S 3157E, 260m): **TM**: 40722 - Hluhluwe Game Reserve (28 05 S 32 05 E): **ZFMK**: 1965.0097, 1966.0101, 1966.0102 - Hluhluwe-Imfolozi Park, HQ (28 04 08 S 32 02 02 E): **DNSM**: 3277 - Huwi Private Nature Reserve (2345S 2750E): **CM**: 46786 - Illovo South (30 05 42 S 30 49 52 E, 48 m): **DNSM**: 7430 - Ingwavuma, village (2708S 3201E): **TM**: 7122 - Ingwenya Farm (409 SU) (2720S 3158E, 185 m): **FMNH**: 195607 - Insuzi river (2853S 3103E): **BMNH**: 1904.5.1.16, 1904.5.1.17, 1904.5.1.18, 1904.5.1.19, 1904.5.1.20, 1904.5.1.21, 1904.5.1.22, 1904.5.1.23 - Itala National Park (27 33 36 S 31 12 36 E, 922 m): **TM**: 33447 - Jagersfontein Commonage (2925Cb): **NMB**: 7577 - Jozini Dam (27 25 00 S 31 58 00 E): **DNSM**: 7126 - Kaap provincie [=Cape province]: **NMW**: 19062 - Kaap river (2530S 3130E): **BMNH**: 1893.11.26.16 - Kalahari Gemsbok NP (25.57S 20.68E): **MMK**: MAM/2718 - Kalahari Gemsbok NP (26.13S 20.63E): **MMK**: MAM/2715 - Kalahari Gemsbok-NP, Twee Riveren (2627S 2037E): **TM**: 15567, 15568, 15569, 15570, 15571, 15572 - Kimberley (28 48 S 24 46 E): **MMK**: MAM/996 - King Willlam's Town (32.87S 27.37E): **KM**: 7978 - Klein Namaqualand, Garies (3030S 1800E): **KM**: 1721 - Klein Namaqualand, Klipfontein (3226S 2545E): **BMNH**: 1904.2.3.4, 1904.2.3.5 - Kleinpoort (3320S 2403E): **TM**: 6654, 6655, 6656, 6657, 6658, 6659, 6660, 6661, 6662, 6663 - Kloof (29 47 S 30 50 E, 474 m): **DNSM**: 5962 - Koegelbeen Cave (28 39 11 S 23 20 55 E): **MMK**: MAM/2755 - Komatipoort (25 26 00 S 31 56 E, 137 m): **TM**: 17504 - Komgha (32.61S 27.66E): **KM**: 19179 - Kraaibosch 55 JT (25 10 13 S 30 12 07 E, 1784 m): **DNSM**: 13392 - Krugersdorp (26.02S 27.73E): **ROM**: 51091 - Kumasinga Pan (27 47 S 32 12 E): **DNSM**: 10714, 9514 - Kumsinga Hide (27 37 43 S 32 14 09 E, 94 m): **DNSM**: 8742, 9139, 9532 - Kuruman (2628S 2227E): **BMNH**: 1904.10.1.8, 1904.4.8.1 - Kuruman, 29 km NW (27.32S 23.18E): **MMK**: MAM/2757 - Letaba Ranch (23 36 44 S 31 05 20 E): **TM**: 25531, 25539, 25540, 25541, 25542, 25543, 25544, 25545, 25546 - Levuvhu (2225S 3110E): **TM**: 47151 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 34191, 34192, 34236 - Leydsdorp (2359S 3031E): **TM**: 4826 - Lister Point (27 58 S 32 23 E): **TM**: 37873 - Loskopdam Nature Reserve (2523S 2920E): **TM**: 19815, 19816, 19832, 19833, 19851, 19871 - Louisvale (2834S 2112E): **BMNH**: 1923.5.9.3, 1923.8.8.2, 1923.8.8.3, 1923.8.8.4; **KM**: 1714 - Lusikisiki (31 21 43 S 29 34 24 E, 508 m): **KM**: 31228 - Lydenburg (2506S 3027E): **TM**: 43101 - Madimbo Military area (2218S 3052E): **TM**: 44497, 44498 - Malensons Shingwidzi Game Reserve (23 11 S 31 14 E): **TM**: 2412 - Malibali pan (27 37 58 S 32 11 03 E, 94 m): **TM**: 35334, 35335, 35336, 35337 - Malvern (29 53 S 30 55 E, 179 m): **TM**: 1033, 1034 - Mantuma Camp (27 35 46 S 32 13 03 E, 103 m): **DNSM**: 4026 - Marloth Park (25 22 S 31 47 E, 210 m): **FMNH**: 195603, 195604, 195605, 195606 - Marydale, 31 km NE (29.18S 22.3E): **MMK**: MAM/2750 - Mathae Ranch (2408S 3107E, 3000 ft): **MVZ**: 117099, 117100, 117101, 117102, 117103, 117104, 117105, 117106 - Matubatuba (2825S 3210E): **TM**: 34329 - Matupa Cave (2410S 3116E): **TM**: 13469 - Mayville (25 43 S 28 11 E, 84 m): **TM**: 2002 - Messina Nature Reserve, in holow Baobab (222548S 300524E): **TM**: 44200 - Mfongosi (28.63S 30.88E): **SAMC**: 135438 - Mission Rocks (28 15 36 S 32 29 48 E, 4 m): **DNSM**: 2429, 6884 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **DNSM**: 4742, 7522; **ROM**: 41727 - Mnangadyana Koppie, cave (2421S 3124E): **TM**: 39671, 39672, 39673, 39674 - Moketsi (2336S 3007E): **TM**: 3033 - Mooiplaas, SAPPI (28 33 30 S 31 09 55 E, 864 m): **DNSM**: 5589, 5590, 5591, 5592 - Mosdene Nature Reserve (2436S 2846E): **ROM**: 78036 - Motale river (2405S 3007E): **TM**: 7472 - Mount Edgecomb(e) (29 42 00 S 31 04 00 E, 116m): **DNSM**: 6964 - Msinga Hide (27 47 S 32 12 E, 94 m): **DNSM**: 4590, 4591 - Mtongori: **MCZ**: 17897, 17898 - Murraysburg, SW (32.31S 23.42E): **KM**: 24657 - Nagle Dam (29 36 S 30 37 E, 365 m): **DNSM**: 4062 - Ndumo Game Reserve (26 52 00 S 32 15 00 E): **ROM**: 41728 - Ndumu Game Reserve (2653S 3215E): **TM**: 17036, 17037 - New Figtree Forest (22 25 S 31 18 E): **TM**: 37904 - Nkaya Pan (24 31 56 S 031 45 27 E): **KNP**: 185 - Norlim mine [=Buxton mine] (27 37 S 24 37 E, 1087 m): **ZMA**: MAM.22650 - Ntabamnyama section (28 42 S 29 31 E): **DNSM**: 1104 - Nylsvlei Nature Reserve (2440S 2843E): **TM**: 41423 - old mine near Doodskloof river (2817CC): **TM**: 42496, 42497 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36970, 37913 - Omdraaivlei (3008S 2308E): **TM**: 42649 - Orpen Gate, 14 km N (2421S 3124E): **AMNH**: 257153, 257154, 257155 - Ottershoop (3030S 2251E): **USNM**: 237532 - Oviston NR (30.63S 25.58E): **MMK**: MAM/2768 - Pafuri area (222530S 311230E): **AMNH**: 257156 - Pafuri area (III) (22 24 10 S 31 15 13 E): **KNP**: 29, 30, 31 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 38282 - Pafuri, Research camp (2225S 3118E): **TM**: 38838, 38839 - Pafuriv area (II) (22 27 S 31 18 E): **KNP**: 121 - Palmiet Nature Reserve (29 50 S 30 56 E, 168 m): **DNSM**: 7838 - Pamfret, 18 km W (25.85S 23.35E): **MMK**: MAM/2760 - Papkuil (28.38S 23.63E): **MMK**: MAM/1005 - Percy Fyfe Nature Reserve (2402S 2908E): **TM**: 44209 - Phalaborwa, 20 km S (ca. 24 06 55 S 31 04 57 E): **DNSM**: 5551, 5552, 5553 - Phinda Mountain Lodge (27 53 02 S 32 16 58 E, 86 m): **DNSM**: 13148 - Pickford Farm (3349S 2532E): **MVZ**: 117121 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **KM**: 26069; **SMF**: 55045, 55046, 55047 - Pietermaritzburg, 20 km ENE (ca. 29 27 S 30 29E): **AMNH**: 245209, 245210, 245211, 245212 - Piquetburg (32.77S 18.72E): **KM**: 28913 - Pofadder,42 km NE (28.85S 19.7E): **MMK**: MAM/2767 - Port Alfred (3336S 2654E): **NMW**: 10321 - Port Elisabeth (3358S 2536E): **NMW**: 10322 - Port Nolloth, 15 mi inland (2917S 1651E): **KM**: 1720 - Port St Johns (3127S 2933E): **BMNH**: 1902.6.2.4, 1903.6.2.3; **TM**: 1028, 1029, 1031, 1032, 7801 - Port St. Johns (3138S 2933E): **TM**: 1030 - Postberg Nature Reserve (3307S 1800E): **TM**: 41559 - Postmasburg, 21 km NNE (28.17S 23.15E): **MMK**: MAM/2735 - Postmasburg, 24 km WSW (28.42S 22.87E): **MMK**: MAM/1425 - Postmasburg, 25 km ENE (28.2S 23.28E): **MMK**: MAM/2732 - Postmasburg, 6 km NE (28.3S 23.12E): **MMK**: MAM/2717 - Potchefstroom (2642S 2706E): **BMNH**: 1909.1.20.3 - Pretoria (25 42 25 S 28 13 46 E, 1271 m): **TM**: 1519 - Pretoria (254348S 281048E): **TM**: 1040 - Prieska, 23 km NNW (29.47S 22.63E): **MMK**: MAM/2743 - Prieska, 4 km W (29.63S 22.75E): **MMK**: MAM/2731 - Prince Albert (33.26S 2200E): **KM**: 29787 - Punda Milia Camp (22 41 51 S 31 01 12 E, 580 m): **TM**: 12992 - Rackpoort-guano cave: **BRTC**: 36411 - Republic of South Africa: **OSU**: 8492 - Robertson (33.92S 19.87E): **KM**: 32597 - Rochdale, Farm (22 54 S 29 41 E): **TM**: 19943 - Rocktail Bay (27 13 17 S 32 47 36 E): **TM**: 48612, 48613, 48627, 48635, 48636, 48637 - Roossenekal (25.21S 29.97E): **TM**: 46286 - Sezela (30 25 00 S 30 41 00 E, 9 m): **DNSM**: 4139, 4221, 4222, 5045, 5047, 5049 - Shashi-Limpopo River confluence (2211S 2922E): **TM**: 45095, 45097 - Shingwedzi (23 06 32 S 31 26 10 E): **KNP**: 41 - Shingwedzi camp (23 06 32 S 31 26 10 E): **TM**: 2410, 2413 - Shingwidzi Game Reserve (23 11 S 31 14 E): **TM**: 2411 - Shongweni Dam (29 51 42 S 30 43 16 E, 361 m): **DNSM**: 7842 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **KNP**: 146 - St. Lucia Village (28 23 S 32 25 E): **TM**: 40432 - Stainbank Nature Reserve (2955S 3056E): **DNSM**: 5313, 5314, 5315 - Stan Hope Mine (28 33 30 S 31 09 55 E, 864 m): **DNSM**: 8351 - Stan Hope Mine (28 33 45 S 31 09 45 E, 864 m): **DNSM**: 14061, 14062, 14063, 14064, 8352 - Swellidam (340200S 202600E): **BMNH**: 1863.2.21.6 (Lectotype *Nycteris Capensis*) - Tankwa Karoo NP, near (32.38S 19.88E): **MMK**: MAM/7038 - Ten Bosch Estates (2520S 3150E): **TM**: 24859, 24860, 24861, 24862, 24873 - Thabazimbi, 16 mi SE [=Waterval Farm] (243524S 273636E): **USNM**: 575180, 575181, 575182, 575183, 575184, 575185, 575186, 575187, 575188, 575189, 575190, 575191, 575192, 575193 - Thabazimbi, 32 km W (2435S 2705E): **TM**: 42826 - Transvaal: **BMNH**: 1899.7.6.4 - Tshokwane (24 46 35 S 31 51 21 E): **KNP**: 34, 35, 36 - Tshokwane, 10 km S (24 52 00 S 31 47 00 E): **KNP**: 183 - Twin Streams (28 58 S 31 42

E): **DNSM**: 114 - Uitenhage (33.78S 25.47E): **KM**: 32598 - Umdoni Park (30 24 S 30 41 E, 50 m): **KU**: 135871 - Umgeni Fish Hatchery (29 35 25 S 30 37 18 E, 400 m): **DNSM**: 3542 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 10105, 10110, 10153, 8741, 8743, 8744, 8745, 9166, 9512 - Umlalazi Nature Reserve (28 57 49 S 31 46 08 E, 10 m): **DNSM**: 3975, 3976 - Umtamvuna Gorge Nature Reserve (30 10 27 S 30 10 13 E, 119 m): **DNSM**: 5071, 5455 - Vellefontein 517 KQ (24 49 26 S 27 47 07 E, 1224 m): **DNSM**: 14279 - Vellefontein 517 KQ (24 49 26 S 27 47 07 E, 1272 m): **DNSM**: 14277 - Vernon Crooks Nature Reserve (303600S 301536E): **TM**: 29800, 29807, 29812 - Victoria East (32.78S 26.83E): **KM**: 4557 - Warrenton, 47 km W (28.13S 24.4E): **MMK**: MAM/2730 - Weenen Nature Reserve (28 51 20 S 29 59 55 E, 1070 m): **DNSM**: 2367 - Worcester Division (33.63S 19.38E): **SAMC**: 37074 - Xirhombe Pan (22 42 49 S 31 23 22 E): **KNP**: 133.

South Sudan:

Imatong (0400N 3245E): **SMNS**: 29334, 29337; **ZMUC**: 3176 - Katuluru (0425N 3217E): **FMNH**: 77668, 77669, 77670 - Lawudo (0425N 3234E): **FMNH**: 77667 - Loa (034801N 315659E): **FMNH**: 78190, 78191; **ZMUC**: 3165, 3174 - Loa (034801N 315659E, 914 m): **FMNH**: 67339 - Lobira (0425N 3300E): **ZMUC**: 3172, 3177, 3178 - Lokwi (040628N 324314E, 1487 m): **FMNH**: 74152, 74153, 79591 - Mura (0448N 3242E, 610 m): **FMNH**: 67338 - Mura (0448N 3242E, 948 m): **FMNH**: 68135, 68136, 68137 - Murukurun (0420N 3320E, 1080 m): **FMNH**: 67337 - Nagishot (0416N 3334E): **ZMUC**: 3168 - Nimule (0335N 3203E, 1219 m): **FMNH**: 67986, 68143, 68144, 68145, 68160, 77615 - Nyibor, Lake (06 55 N 30 10 E): **AMNH**: 184522 - Shukoli (0355N 3146E, 601 m): **FMNH**: 77619, 77671, 77672, 77673, 77674, 77675, 77676 - Tirangole (042841N 324912E, 664 m): **FMNH**: 68142 - Torit (0427N 3231E): **ZMUC**: 3160, 3162, 3164, 3166, 3167, 3170, 3171, 3175, 3179, 3180, 3181, 3188, 3189 - Torit (0427N 3231E, 610 m): **FMNH**: 66616, 67340, 68138, 68139, 68140, 68141, 68161, 77616, 77617, 77618, 77665, 77666 - Torit (0427N 3231E, 631 m): **FMNH**: 79555, 79557 - Torit, 36 mi S (0408N 3217E): **FMNH**: 56292 - Torit, 80 km E (0427N 3231E): **SMNS**: 29332 - Tungu, mount (04 20 37 N 29 58 38 E): **RBINS**: 13622 - Wau (074200N 280000E): **MSU**: MR.33369.

Sudan:

Unknown locality: **BMNH**: 1905.5.6.5 - En Nabbaka (1235N 2955E): **NMW**: 8439 - Erkovit (1849N 3701E): **BMNH**: 1915.3.6.5, 1915.5.6.4, 1915.5.6.5 - Gallabat (1257N 3609E): **BMNH**: 1928.1.11.24, 1928.1.11.25 - Jebel Toro (10 42 N 30 01 E): **SMF**: 32668 - Khartoum or Sennaar: **NMW**: 19058 - Kordofan (ca. 13 12 N 30 14 E): **SMF**: 12294, 12358, 12362 - Luem: **ZMUC**: 3169 - Nubia (ca. 20 00 N 32 00 E): **SMF**: 12351 - Sennaar (1535N 3338E): **NMW**: 10325 - Wagga, mount (1610N 3612E): **BMNH**: 1897.12.3.2, 1897.12.3.3, 1897.12.3.4, 1898.6.8.1, 1898.6.8.2, 1898.6.8.3, 1898.6.8.4.

Swaziland:

Unknown locality: **BMNH**: 1989.40, 1989.41 - Balegane (2606S 3134E): **BMNH**: 1975.515 - Big Bend (2648S 3156E): **TM**: 34328 - Dinedor (2622S 3134E): **TM**: 45318 - Hlane [2] (2614S 3154E): **TM**: 45300, 45301 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **TM**: 44890 - Mlawula Road, 4 km from junction (26 10 25 S 31 59 33 E): **DNSM**: 5818, 5819, 5820, 5822 - Python Pool (26 11 30 S 32 00 18 E, 160 m): **DNSM**: 7185 - Siphiso campsite (26 12 34 S 32 00 02 E): **DNSM**: 5816.

Tanzania:

Unknown locality: **BMNH**: 1924.1.1.24, 1924.1.1.25, 1924.1.1.26, 1964.1407, 1964.1458, 1964.1459, 1964.1463, 1964.1464, 1964.1469, 1964.1471; **MCZ**: 690; **RMCA**: 96.037-M-7171; **RMNH**: MAM.15947; **SMF**: 62875, 81213 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **MCZ**: 22498; **TM**: 29294; **ZMB**: T09565 - Ambangulu Estate (05 05 S 38 26 E, 1120 m): **FMNH**: 147221 - Ambangulu Estate (05 05 S 38 26 E, 1250 m): **FMNH**: 147220, 147386, 147387 - Arusha (03 22 00 S 36 41 00 E, 1254 m): **SMF**: 19419, 25838 - Arusha region: **SMF**: 66962 - Arusha-NP, Mt. Meru, Ngongargare Forest (0319S 3648E): **BMNH**: 1969.22, 1969.23 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **RMNH**: MAM.15790, MAM.15792, MAM.15793, MAM.15794, MAM.15795, MAM.15796, MAM.15797, MAM.15936, MAM.15937, MAM.15938, MAM.15939, MAM.15940, MAM.15941, MAM.15942, MAM.15943, MAM.15944, MAM.15945, MAM.16629, MAM.25912; **ZMB**: T09283 - Bagilo (0710S 3740E): **MCZ**: 25214, 25215, 25216 - Banagi (02 16 S 34 51 E, 1413 m): **BMNH**: 1964.1374, 1964.1375 - Bologonja (01 34 S 34 58 E): **RBINS**: 15619 - Bugagi: **BMNH**: 1956.195 - Bungi (0616S 3927E): **BMNH**: 1956.196, 1956.197 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22299 - Chita, 3 km N (0831S 3556E, 300 m): **FMNH**: 153846 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **RMCA**: 5074, 5075; **WAM**: M27045, M27046; **ZFMK**: 1961.0095, 1961.0096, 1961.0097; **ZMH**: 8 - Grummetti (02 05 S 33 57 E): **RBINS**: 15618 - Gulwe Station (0628S 3624E): **BMNH**: 1964.1470 - Handajega (02 15 S 34 06 E, 1200 m): **RBINS**: 15629.2 - Ikungi (0507S 3446E): **BMNH**: 1924.1.1.29 - Iraka landscape (03 51 00 S 35 32 00 E, 1772 m): **SMF**: 11418, 11420, 11421, 11426, 11427 - Iraku (03 51 S 35 32 E, 1772 m): **SMF**: 11419, 11422, 11423, 11424, 11425 - Itende (0644S 3633E): **BMNH**: 1964.1472 - Juani Island (080036S 394631E): **FMNH**: 187360, 187412 - Kampi Ya Mawe (0130S 3350E): **BMNH**: 1964.1376, 1964.1377, 1964.1378, 1964.1379 - Karugu (0119S 3149E): **BMNH**: 1964.1380, 1964.1381, 1964.1382, 1964.1383 - Kibebe farms (0747S 3545E, 1550 m): **FMNH**: 193210 - Kilimatinde Hospital (05 49 58 S 34 57 43 E): **ZMA**: MAM.21988 - Kilindoni (07 54 46 S 39 39 48 E): **BMNH**: 1964.1384, 1964.1385, 1964.1386, 1964.1387 - Kilosa (06 50 S 36 59 E, 572 m): **BMNH**: 1924.1.1.27, 1924.1.1.28; **FMNH**: 48760, 48761, 48762, 48763; **KM**: 1667, 1668; **MCZ**: 22783, 22784; **USNM**: 297473 - Kilossa (06 50 00 S 36 59 00 E, 572 m): **AMNH**: 55577, 55578 - Kilwa (091800S 382500E, 918 m): **AMNH**: 256336 - Kisarawe (0653S 3903E): **BMNH**: 1972.814, 1972.815; **USNM**: 536676, 536677, 536678 - Kisarawe (0653S 3903E, 222 m): **BMNH**: 1972.814_1, 1972.814_2 - Kisarawe, near (ca. 0653S 3903E): **USNM**: 536139, 536140, 536141, 536142, 536143, 536144, 536145, 536146, 536147, 536148, 536149, 536150, 536151, 536152, 536153, 536154, 536155, 536156, 536157, 536158, 536159, 536160, 536161, 536162, 536163, 536164, 536165, 536166, 536167, 536168, 536169, 536170, 536171, 536172, 536173, 536174, 536175, 536176, 536177, 536178, 536179, 536180, 536181, 536182, 536183, 536184, 536185, 536186, 536187, 536188, 536675, 536679 - Kizimkazi (0628S 3928E): **BMNH**: 1955.274, 1955.275, 1955.276 - Kondoa (0454S 3547E): **ZMB**: 49708 - Kwambumi Forest Reserve (0457S 3844E, 230 m): **FMNH**: 153926 - Lembeni (0347S 3737E): **ZFMK**: 1960.0304 - Likawage (0913S 3900E, 132 m): **BMNH**: 1964.1413 - Lipumba (1049S 3505E): **SMTD**: B8182 - Liwale (09 46 S 37 56 E, 468 m): **BMNH**: 1964.1435, 1964.1436; **SMF**: 29030 - Liwale T.T. (09 46 S 37 56 E, 468 m): **AMNH**: 179289 - Madaba (0840S 3748E): **SMF**: 19458 - Madehani (0921S 3402E): **MCZ**: 26427, 26428, 26429, 26430 - Mangangachi (0900S 3930E): **BMNH**: 1964.1433 - Manyara, Lake (03 35 S 35 50 E): **BMNH**: 1938.4.21.4, 1938.4.21.5 - Masingini Forest Station (0607S 3915E, 86 m): **FMNH**: 198085, 198086, 198087, 198088, 198089, 198090, 198146, 198147, 198148 - Mbanja [= Mbangala] (0837S 3641E): **MCZ**: 38805, 38806, 38807, 38808, 38809, 38810, 38811, 38812, 38813, 38814, 38815, 38816, 38817 - Mbemba (1003S 3831E, 265 m): **ROM**: 35307; **SMF**: 19475, 19476 - Mbeya region: **SMF**: 85539 - Mbweni (0612S 3912E): **BMNH**: 1955.277, 1955.278, 1955.279 - Mikindani (10 17 S 40 07 E, 17 m): **SMF**: 25758, 25759, 25760, 25761, 26903, 26904, 26905, 26906, 26907, 26908, 26909, 26910, 26911, 26912, 26913, 26914, 26915, 26916, 26917, 26918, 26919, 27426, 27428, 27429, 27430, 27431, 27432, 27434, 27435,

27436, 27437, 27438, 27439, 27440, 27441, 27442a, 27443, 27444, 27445; **ZFMK**: 1964.0885, 1964.0887, 1964.0888, 1964.0889, 1964.0890, 1964.0891, 1964.0892, 1964.0893, 1964.0894, 1964.0895, 1964.0896; **ZMB**: T10005 - Mikumi National Park (07 15 00 S 37 05 00 E, 876 m): **FMNH**: 187289 - Mikumi National Park, H.Q. (07 22 S 37 00 E): **RMCA**: 96.037-M-7173 - Minaki, St. Andrews College (06 54 01 S 39 05 32 E): **KU**: 89943 - Minziro Forest Reserve (01 04 S 31 32 E, 1217 m): **FMNH**: 192937 - Mkangasi (ca. 06 37 35 S 30 18 32 E): **MCZ**: 22423, 22424, 22425, 22426, 22427, 22428, 22429, 22431, 22432 - Mojoni [=Muyuni] (0620S 3925E): **ZMB**: 11382, 11383, 11384, 11385, 11388 - Morogoro (06 48 S 37 40 E, 560 m): **AMNH**: 42203, 42204; **BMNH**: 1974.580, 1974.581; **HNHM**: 95.46.1; **MCZ**: 22785, 22786 - Mto-Wa-Mbo (0322S 3550E): **BMNH**: 1939.248, 1975.909 - Muhange (0926S 3648E): **BMNH**: 1975.2445 - Muheza (0511S 3850E): **ZMUC**: 3105, 3106, 3107, 3108, 3109, 3110, 3111, 3112, 3113, 3114, 3115, 3116, 3117, 3118, 3119, 3120 - Musabi Special Camp (02 17 18 S 34 28 00 E): **RBINS**: 15621.1, 15621.2 - Mwaya (0842S 3630E): **BMNH**: 1964.1434 - Nakibou (0900S 3930E): **BMNH**: 1964.1428 - Namumbulu (0900S 3930E): **BMNH**: 1964.1389, 1964.1390, 1964.1391, 1964.1392 - Nangoma cave? (ca. 0929S 3531E): **ZMB**: T10194 - Ngelehek (ca. 03 S 35 E): **RBINS**: 15620 - Noamania (0900S 3930E): **BMNH**: 1964.1406 - Ol Donyo Sambu (04 06 S 36 21 E, 1829 m): **SMF**: 25852, 25853, 25854, 25855, 25856, 25857, 25858 - Pugu forest (0654S 3905E): **ZMUC**: 3121, 3122, 3123, 3124, 3125, 3126, 3127, 3128, 3129, 3130 - Rondo Flat [Forest Reserve] (10 09 00 S 39 15 00 E, 473 m): **RMCA**: 96.037-M-7172 - Same (0404S 3741E): **SMNS**: 5930 - Savanda (0543S 3459E, 1074 m): **MCZ**: 25730, 25731, 25732, 25733 - Sengerema (02 40 00 S 32 39 00 E, 1276 m): **ZMA**: MAM.22300 - Seronera (02 25 S 34 50 E, 1463 m): **BMNH**: 1975.910; **CAS**: 12494, 12495, 12523, 12525 - Soga (0652S 3857E): **ZFMK**: 1961.0087, 1961.0088, 1961.0094 - Songomano (ca. 0900S 3930E): **BMNH**: 1964.1408 - Southern province: **BMNH**: 1964.1466, 1964.1467, 1964.1468 - Suna (0523S 3446E): **BMNH**: 1924.1.1.30 - Tandamanga (09 39 S 37 51 E): **BMNH**: 1964.1460, 1964.1461, 1964.1462 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ROM**: 73235; **ZMB**: 10102, 10103, 10104, 10106 - Tanga region: **SMF**: 79591, 83504, 85514, 93021 - Tanzania: **BMNH**: 1901.5.1.13 - Tendaguro (0945S 3920E): **BMNH**: 1931.7.1.1, 1931.7.1.2 - Tenguru (0323S 3650E): **BMNH**: 1964.1388 - Uluguru Mts, Uluguru North Forest Reserve (065500S 374200E, 1345 m): **FMNH**: 158336 - Unyanganyi (0450S 3500E): **MCZ**: 28130, 28131, 28132, 28133, 28134, 28135 - Unyang'anyi (0450S 3500E): **MCZ**: 28126, 28127, 28128, 28129 - Usambara mountains (044500S 383000E): **MNHN**: ZM-MO-1897-1525 - Usandawe [=Sandawe] (0515S 3520E, 1200 m): **ZMB**: 11387 - Utende (0758S 3944E): **FMNH**: 187361 - Zanzibar (06 10 S 39 20 E): **BMNH**: 1956.194; **MNHN**: ZM-MO-1884-1527, ZM-MO-1884-1528, ZM-MO-1884-1532, ZM-MO-1884-1533; **ZMB**: 3267, T09429 - Zinga (0631S 3858E): **BMNH**: 1964.1404, 1964.1405.

The Gambia:

Unknown locality: **BMNH**: 1991.267.

Uganda:

Amiel (0258N 3327E): **BMNH**: 1960.1982, 1962.484, 1962.485 - Bulaganya, cave 3 mi S (ca. 0100N 3400E): **BMNH**: 1964.153 - Burisifwe Gombolola (ca. 0100 N 3400E): **BMNH**: 1962.486 - Kama tin mine (0009S 3354E): **BMNH**: 1962.2004 - Kampala (00 18 56 N 32 33 56 E, 1202 m): **BMNH**: 1896.5.29.1 - Karamoja district, S of (0245N 3415E): **BMNH**: 1966.452 - Mbale (0052N 3424E): **BMNH**: 1964.154, 1964.155, 1964.156 - Moruita (0154N 3446E): **BMNH**: 1966.3607 - Moyo (03 37 41 N 31 45 13 E, 889 m): **BMNH**: 1962.2005 - Nimule (033600N 320300E, 743 m): **AMNH**: 184454 - Oshikango: **CAS**: 12490, 12491, 12492, 12493 - Sukuli Hills (0040N 3410E): **CAS**: 24568, 24569, 24570, 24571; **ROM**: 60055.

Zambia:

Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115822; **BMNH**: 1937.1.4.22; **KM**: 1669 - Chibembe pontoon, 1/2 mi S (1246S 3205E): **BMNH**: 1966.701, 1966.703, 1966.704, 1966.707 - Chief Chitanda: **NMZL**: 2973 - Chikundulu river (ca. 1257S 2414E): **BMNH**: 1955.1065 - Chikwa, Lundazi (11.67S 32.78E): **NHMZ**: 33480 - Chinzombo (13 07 S 31 46 E): **SMF**: 47489, 47490 - Chipata (1337S 3239E): **KM**: 1658, 1660, 1661, 9627 - Chipongwe Cave (15 41 00 S 28 14 00 E): **MSB**: 32652 - Chirundu (15 57 05 S 28 51 41 E): **WAM**: M32681 - Chisakila Area (ca. 15 54 00 S 28 41 00 E): **WAM**: M32683 - Dzala Cave (1526S 2820E): **BMNH**: 1967.1245 - Fort Jameson (1338S 3239E): **NHMZ**: 20207 - Kabompo, near (1336S 2412E): **NHMZ**: 11427 - Kafue NP, Ngoma (15.88S 25.88E): **NHMZ**: 66983 - Kalomo R (16.87S 26.62E): **NHMZ**: 31742 - Kariba, lake, north shore (1628S 2820E): **NHMZ**: 11651, 11652, 11653, 11654, 11655 - Kasama, N (09.13S 31.38E): **NMZL**: 3459 - Kasempa Boma (1327S 2550E, 1208 m): **NHMZ**: 6947 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33357, 33400, 33415, 33755, 33756, 33789, 33790, 33795, 33815, 33816, 33817, 33818, 33819, 33820, 33821, 33830, 33831, 33840, 33852, 33853, 33854, 33855, 33864, 33866, 33868, 33869, 33888, 33895, 33897, 33961, 33964, 34031 - Limulunga (150600S 230900E, 1024 m): **AMNH**: 115823 - Livingstone (17 51 00 S 25 52 00 E, 3030 ft): **NMZL**: 3524 - Luambe Game Camp (1228S 3208E): **NHMZ**: 11518, 11519, 22732, 22732A, 22733 - Luangwa River (1331Bc): **NHMZ**: 22739 - Luangwa Valley (1140S 3246E): **NHMZ**: 11546 - Luangwa Valley (13.25S 31.5E): **NHMZ**: 63376 - Luangwa valley, Lunzi river (ca. 1100S 3300E): **BMNH**: 1937.12.8.21 - Lunga pontoon (1300S 2630E): **BMNH**: 1950.864, 1950.865; **KM**: 17198, 17199 - Lusaka (1518S 2820E): **HNHM**: 76.154.1 - Lusingazi Game Camp (13 21 S 31 40 E): **BMNH**: 1966.700 - Masali Mine (1405S 3259E): **BMNH**: 1972.542, 1972.543, 1972.544, 1974.540, 1974.540_1, 1974.540_2, 1974.540_3, 1974.540_4, 1974.540_5, 1974.541 - Mbala (0850S 3124E): **KM**: 9626 - Mfuwe (1305S 3147E): **MSU**: MR.14280, MR.14281, MR.14282, MR.14283, MR.14284, MR.14285, MR.14286, MR.14287, MR.14288, MR.14289, MR.14290, MR.14291, MR.14292, MR.14293, MR.14295, MR.14296 - Mfuwe (1305S 3147E, 305 m): **MSU**: MR.14955 - Mfuwe Game Camp (1305S 3147E): **NHMZ**: 20136, 20214 - Missale Old Mine (14.12S 32.87E): **NHMZ**: 65176 - Missale Old Mine (1405S 3259E): **BMNH**: 1966.5427; **NHMZ**: 20052, 20081, 20082, 20084, 20085, 20086, 20092, 20094, 20095, 20096, 20099, 20100, 20156, 20174, 20175, 20183, 20188 - Monze (1616S 2728E): **BMNH**: 1921.8.11.2, CN24, CN25, CN27; **KM**: 1662, 1663, 1664, 1665, 1666 - Muckle Neuk (16.63S 27.0E): **NMZL**: 2974 - Nansai Farm (16.62S 27.12E): **NHMZ**: 31393 - Ndola (1300S 2839E): **BMNH**: 1920.11.3.20, 1920.11.3.21, 1920.11.3.22 - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (ca. 15 19 S 28 19 E): **CAS**: 15103; **MSB**: 33553, 33555, 33556 - Ngwerere cave (15 19 S 28 19 E, 1280 m): **HNHM**: 76. 154.1; **HZM**: 169.11464; **MSB**: 34623; **NMZL**: 1443, 3444, 3445, 3446, 3447; **SMF**: 47491 - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33582, 33583, 33584, 33623, 33654, 33671, 33672, 33673, 33674, 33675, 33681, 33695, 33697, 33731, 33732, 33733 - Petauke (1403S 3105E): **BMNH**: 1966.5428; **KM**: 9625 - Sakeji School (11.12S 24.37E): **NHMZ**: 29803 - Solwezi Boma (1211S 2624E, 1366 m): **BMNH**: 1950.863, 1955.1063, 1955.1064 - Waterfall Farm (15.63S 28.38E): **NMZL**: 3476 - Wenela (15 00 S 22 37 E): **BMNH**: 1968.996, 1968.997 - Zambezi (133300S 230700E, 1090 m): **MNHN**: ZM-MO-1894-80.

Zimbabwe:

Unknown locality: **BMNH**: 1947.1404, 1947.1405 - Angwa River: **MNHN**: ZM-MO-1990-923, ZM-MO-1990-924, ZM-MO-1990-925 - Beacon Hill (19.25S 30.25E): **NHMZ**: 32700 - Birchenough Bridge Hotel, 11 km W (1957S 3214E): **ROM**: 64867, 64868, 64869, 64870, 64871, 64872, 64873, 64874, 64876, 64878, 64879, 64880, 64881, 64882, 64883, 64884,

64885, 64886 - Birchenough Bridge, 11.2 km W (1954S 3214E): **TM**: 8582 - Bubye R (22.35S 31.1E): **NHMZ**: 84225 - Buffalo Bend (21 56 00 S 31 29 00 E): **NHMZ**: 57047 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 57078; **USNM**: 154588 - Chete, Eastern section (17.37S 27.62E): **NHMZ**: 57411 - Chinhoyi, Badze Cave (17.17S 29.19E): **NHMZ**: 31133 - Chirinda Forest (1914S 3214E): **USNM**: 425276 - Chirisa cave (1741S 2824E): **TM**: 34908 - Chishakwe Camp, 2 km E (20.0S 32.0E): **NHMZ**: 32924, 33007 - Chizarlra NP, Manzituba (17.5S 27.75E): **NHMZ**: 57064 - Dahlia, 5 mi [= 8 km] W (1835S 2708E, 914 m): **FMNH**: 152495, 152496, 152497, 152498, 152499, 152500, 152501, 152502, 152503, 152504, 152505, 152506, 152507, 152508, 152509, 152510, 152511, 152512, 152513, 152514, 152515, 152516 - Dam-Wall-G/S-Camp (20.0S 30.5E): **NHMZ**: 57052 - Davimbi School, 5 km N (18.12S 28.97E): **NHMZ**: 31963 - Deka-Zambezi R Confluence (18.0S 26.5E): **NHMZ**: 33887 - Dibutibu R (17.94S 26.12E): **NHMZ**: 29674 - Dibutibu R (18.0S 26.0E): **NHMZ**: 30559 - Eirene farm (18 23 S 31 37 E): **NHMZ**: 57044 - Falcon College (20.22S 28.92E): **NHMZ**: 32351 - Falls road (1837S 2706E): **TM**: 34983, 34984, 34985, 34986, 34987, 34988, 34989, 34990, 34991, 34992, 34993, 34994, 34995, 34996, 34997, 34998 - Forest Hill (19.08S 27.83E): **NHMZ**: 60612 - Frog Mine, Mupfure R (17.87S 29.87E): **NHMZ**: 57243 - Gourlays Block (1917S 2840E): **BMNH**: 1951.632 - Great Zimbabwe, Garden Cave (2027S 3049E): **ROM**: 64949, 64950, 64952, 64953, 64954, 64955, 64960, 64961, 64962, 64963 - GreatZimbabwe (20.28S 30.93E): **NHMZ**: 57162, 57234 - Gwanda (1915S 2742E): **BMNH**: 1908.1.7.6, 1908.1.7.7 - Gwayi R Bridge (18.62S 27.1E): **NHMZ**: 32072 - Harare (17.83S 31.07E): **NHMZ**: 57112 - Harare,19 km NW (17.5S 31.5E): **NHMZ**: 57056 - Haroni-Rusitu R Confluence (20.03S 33.02E): **NHMZ**: 57102 - Hazeldene (18.75S 29.75E): **NHMZ**: 60781 - Hostes Nicoll Research Institute (1810S 2813E): **ROM**: 83963 - Humane Ranch (2031S 3216E, 411 m): **ROM**: 65111 - Hwange NP, Main Camp (18.73S 26.95E): **NHMZ**: 57067 - Hwange NP, Shapi (18.75S 27.0E): **NHMZ**: 57088 - Hwange NP, Umtshibi (18.75S 27.0E): **NHMZ**: 32778 - Hwange Safari Lodge (18.67S 26.92E): **NHMZ**: 57620 - Jeff Estate (18 58 12 S 32 36 36 E): **NHMZ**: 33484 - Kapovka, mount: **BMNH**: 1974.582 - Katombora Rapids (17.88S 25.33E): **NHMZ**: 80263 - Kwekwe Ranch (18.93S 29.83E): **NHMZ**: 65242 - Kyle Game Reserve (2010S 3055E): **USNM**: 470240, 470241, 470242, 470243, 470244, 470245, 470246, 470247, 470248, 470249, 470250, 470251 - Lake Kariba (16.88S 28.38E): **NHMZ**: 57348, 8996 - Lake Kariba Game Camp (17.0S 28.0E): **NHMZ**: 63341 - Lake Kyle NP (20.17S 30.92E): **NHMZ**: 63529 - Lake McIlwaine (17.9S 30.78E): **NHMZ**: 65204 - Ingwe Mine (20.62S 29.37E): **NHMZ**: 12718 - Lone Star Ranch (21.12S 31.87E): **NHMZ**: 31672 - Mabura 2 Cave, Munyati R (18.12S 29.37E): **NHMZ**: 30374 - Mana Pools NP (15.8S 29.33E): **NHMZ**: 57029 - Marondera (18.12S 31.62E): **NHMZ**: 33471 - Matobo Hills, Diana's Pool (20.47S 28.87E): **NHMZ**: 30482 - Matobo Hills, Totololo R (20.55S 28.83E): **NHMZ**: 30483 - Matobo NP (20.37S 28.55E): **NHMZ**: 33362 - Matobo NP, Whitewaters Dam (20.58S 28.47E): **NHMZ**: 57084 - Mazoe (1730S 3103E): **BMNH**: 1895.7.1.12, 1895.7.1.13, 1895.7.1.14, 1895.7.1.17, 1902.2.7.13, 1902.2.7.14 - Mazoe (173100S 305800E, 1231 m): **AMNH**: 213046 - Munyati Bridge (18.65S 29.77E): **NHMZ**: 57057 - Musemu Farm (17.75S 30.75E): **NHMZ**: 57136 - Musengezi River (16 15 S 30 45 E): **NHMZ**: 84387 - Mushandike NP (20.13S 30.63E): **NHMZ**: 57165 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **DNSM**: 4616, 4617, 4618, 4619, 4620, 4621, 4622; **KU**: 135020; **NHMZ**: 19838; **ROM**: 64785, 64786, 64812, 64813, 64814, 64815, 64816, 64817, 64818, 64829, 64830, 64831, 64832, 64833, 64834, 64839, 64840 - Mutare Asbestos Mine (18 58 29 S 32 39 20 E): **NHMZ**: 33483 - Muzvezve Resettlement Scheme (18.0S 29.25E): **NHMZ**: 30569 - Mzankwe Bridge, 3 km N (17.75S 29.0E): **NHMZ**: 57259 - Netridge Farm (20.12S 30.62E): **NHMZ**: 57048 - Nottingham Estates (22.12S 29.87E): **NHMZ**: 61231 - Nyamunyeche (16.77S 30.95E): **NHMZ**: 56313 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32525 - Odzi (18.95S 32.38E): **NHMZ**: 57026 - Odzi district (1859S 3229E): **BMNH**: 1949.108 - Porte Angwa Junction (16.25S 30.0E): **NHMZ**: 25843 - Quaggas Hoek (Farm) (19 34 5S 32 45 E): **NHMZ**: 57008 - Ramofu Cave (20.0S 30.0E): **NHMZ**: 570B6 - Rhodes Inyanga National Park (18 17 S 32 48 E): **TM**: 34756 - Rusape-Nyanga (18.25S 32.25E): **NHMZ**: 57248 - Rusito forest, Rustio River (ca. 195218S 330137E): **TM**: 34676 - Sabi-Lundi [= Save-Runde] R Confluence (21.28S 32.38E): **NHMZ**: 57119 - Sable Peak Farm, Concession (17.3S 30.93E): **NHMZ**: 57163 - Saffron Walden, Farm (17.87S 30.87E): **NHMZ**: 65205 - Save Valley, Chipingayi Bridge (20.12S 32.37E): **NHMZ**: 57011 - Save-Lunde R Confluence (21.28S 32.38E): **NHMZ**: 17593 - Selinda, mount (2024S 3243E): **USNM**: 425277 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 57073 - Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 87408 - Sentinal Ranch (2210S 2930E): **TM**: 41614 - Shambayetu Farm (21.75S 29.5E): **NHMZ**: 57629 - Sinoia (1721S 3013E): **BMNH**: 1962.2093 - Stratton Farm (18.75S 29.75E): **NHMZ**: 60780 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 57007 - Triumph Mine (17.87S 30.87E): **ROM**: 64499, 64500, 64523, 64524, 64526, 64527, 64548, 64549, 64550, 64551, 64552 - Umtali mine adit (18 58 29 S 32 39 20 E, 1094 m): **DNSM**: 3683; **TM**: 34700, 34701, 34702, 34703, 34704, 34705, 34706, 34707, 34708, 34709, 34710, 34711, 34807, 34808 - Umtali Old Mine (18 58 29 S 32 39 20 E, 1094 m): **BMNH**: 1947.1406 - Umtali, 10 mi [= 16 km] from, on Vumba road (1907S 3246E): **FMNH**: 95145, 95146 - Victoria Falls (17 55 00 S 25 51 00 E): **NHMZ**: 32132 - Vumba (19 07 S 32 44 E): **NHMZ**: 57035 - Wallaby Claims (2033S 2915E): **BMNH**: 1957.350 - Willow Park (20.28S 28.83E): **NHMZ**: 32385 - Zambesidal (ca. 19 S 27 E): **SMNS**: 2118A - Zambezi - Chewore junction (1538S 2954E): **AMNH**: 213047 - Zambezi-Chwore R Confluence (15.62S 29.87E): **NHMZ**: 25835 - Zimbabwe National Park (201800S 305700E): **ROM**: 64964, 64968, 70855, 70856, 70857, 70858, 70859, 70860, 70861.

Nycteris vinsoni Dalquest, 1965

Mozambique:

Zinave (21 26 12 S 33 51 01 E): **KU**: 105221.

Nycteris woodi K. Andersen, 1914

Malawi:

Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.12.17.37, 1922.12.17.38; **KU**: 79282 - Golden Sands Camp (13 58 05 S 34 49 15 E, 480m): **ZMA**: MAM.28371 - Kota Kota (12 55 00 S 34 18 00 E, 471 m): **KM**: 11679.

Mozambique:

Chicona, 14 mi ESE: **USNM**: 365176.

South Africa:

Bordeaux, Farm (22 41 S 29 38 E): **TM**: 20413 - Farm Greefswald 37MS, Shashi-Limpopo confluence (2213S 2922E): **TM**: 20403, 20404, 20405, 20408 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 29857, 29894, 29898 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 38521.

Tanzania:

Morogoro region: **SMF**: 89683 - Southern province: **BMNH**: 1964.1473.

Zambia:

Unknown locality: **BMNH**: 1966.5430 - Chilanga (15 33 00 S 28 17 00 E, 1220 m): **BMNH**: 1914.4.22.2 (Holotype *Nycteris woodi*); **FMNH**: 11031; **KM**: 11026, 11031; **NHMZ**: 11699 - Chipengali (1332Bb): **NHMZ**: 20142 - Chipengali Area (1332Bb): **AMNH**: 207413; **NHMZ**: 20122, 20137, 20138, 20139, 20140, 20141 - Fort Jameson (1322S 3222E): **TM**: 38459 - Fort Jameson [= Chipata] (13.62S 32.65E): **NHMZ**: 20121 - Kalabo (14 58 S 22 41 E, 1019 m): **MSB**: 34624 - Kalichero (1330S 3227E): **NHMZ**: 20113 - Kongwe Hill (1310S 3247E): **BMNH**: 1966.5431, 1966.5432, 1966.5433, 1966.5434, 1966.5477, 1966.5478, 1966.5479, 1966.5481, 1966.5482, 1966.5483, 1966.5484 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33443, 33851, 34006, 34086, 34087 - Mpomwa Hills (1327S 3219E): **BMNH**: 1966.5486 - Mpomwa Hills, below (1332Ad): **BMNH**: A-200 - Ndola (1300S 2839E): **TM**: 2543 - Ngwerere cave (15 19 S 28 19 E, 1280 m): **HZM**: 3.11408; **NMZL**: 1441, 3442 - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33734.

Zimbabwe:

Birchenough Bridge, 11.2 km W (1954S 3214E): **TM**: 8578 (Holotype *Nycteris woodi sabiensis*), 8579, 8580, 8581, 8747 - Chete: **NHMZ**: 57417, 57418 - Chipangayi (18.3S 28.33E): **HZM**: 1.4128 - Chiredzi (2131BB): **NHMZ**: 31585, 58621 - Hostes Nicoll Research Institute (1810S 2813E): **ROM**: 83972, 83977 - Kariba (1628DB): **NHMZ**: 57211 - lngwe Safari (18.42S 26.31E): **NHMZ**: 33747 - Masingwa R (16.37S 31.12E): **NHMZ**: 60543 - Masingwa River (1631AC): **HZM**: 2.6696; **NHMZ**: 57033, 57034, 60545, 60546, 60547, 60548, 60549, 60550, 60551 - Matopo Hills, Maleme Valley (2028CB): **NHMZ**: 82357 - Mazoe (1730S 3103E): **BMNH**: 1904.12.1.6 - Mutanda Hills, Save Drift (1932AA): **NHMZ**: 30518, 30519 - Ruya R, (16.5S 31.75E): **NHMZ**: 31366 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 60542 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 29667.

MOLOSSIDAE Gervais, 1856

"Africa":

Unknown locality: **BMNH**: CN738; **MMK**: MAM/2299, MAM/2306; **TM**: 36182, 42532, 42535, 42536, 42537, 42609; **YPM**: MAM 005854, MAM 005855, MAM 005856, MAM 005857, MAM 005858.

Congo (Democratic Republic of the):

Keyberg (11 43 00 S 27 25 00 E): **RMCA**: 90.011-M-0001, 90.011-M-0002 - Kipushi, 15 km from (11 50 00 S 27 20 00 E): **RMCA**: 90.011-M-0003, 90.011-M-0004.

Ethiopia:

Fatam R Big Abbai: **BMNH**: 1928.1.11.40 - Vicinity of Addis Ababa: **BMNH**: 1969.884.

Guinea:

Mount Nimba? (073700N 082500W): **MNHN**: ZM-MO-1994-131.

Kenya:

Unknown locality: **YPM**: MAM 005578, MAM 005579, MAM 005580.

Madagascar:

east coast of Madagascar: **MCZ**: 45917, 45918.

Mozambique:

Marine Research Station (260136.84S 325439.24E): **TM**: 42640, 42641 - Xai Xai: **TM**: 45905.

Namibia:

Erongorus Usakos (21 44 S 15 29 E): **TM**: 42794 - Farm Zwartmodder 101 (2454S 1617E): **TM**: 37606 - Great Brukoros Mountains (3500-5202 ft): **BMNH**: 1925.1.2.9 - Omega (1803S 2211E): **TM**: 31096.

South Africa:

Farm Rotspruit (2622S 2852E): **TM**: 42854, 42855, 42856 - Ndumu Game Reserve (2653S 3215E): **TM**: 35201, 35220 - Potchefstroom (2642S 2705E): **TM**: 42808 - Potchefstroom (2644S 2704E): **TM**: 42809 - Tembe Elephant Park (27 02 36 S 32 25 23 E, 84 m): **TM**: TEMBE 2.

South Sudan:

Bangangai Game Reserve, base camp (04 54 28 N 27 42 13 E, 698 m): **USNM**: 587223 - Kabi stream (03 56 52 N 31 34 41 E, 929 m): **USNM**: 587019, 587053, 587058, 587649, 587652, 587675, 587677, 587683, 587686, 587689 - Panyai (Thomas Modi's house) (03 52 54 N 31 39 40 E, 935 m): **USNM**: 586979, 586980, 586981, 586982, 586983, 586984, 586985, 586986, 586987, 586988, 587066, 587067, 587068, 587069, 587070, 587071, 587072, 587073, 587074, 587075, 587076, 587077, 587084, 587085, 587086, 587087, 587088, 587089, 587090, 587096, 587097, 587098, 587099, 587100, 587101, 587102, 587103, 587104, 587105, 587106, 587107, 587108, 587109, 587110, 587111, 587112, 587113, 587114, 587115, 587116, 587117, 587118, 587119, 587120, 587121, 587122, 587156, 587157, 587158, 587159, 587160, 587162, 587163, 587164, 587165, 587166, 587167, 587168, 587169, 587170, 587171, 587172, 587173, 587174, 587175, 587180, 587181, 587182, 587183, 587184, 587185, 587186, 587187, 587188, 587189, 587190, 587191, 587194, 587195, 587196, 587197, 587198, 587199, 587200, 587201, 587202 - Yambio, Wildlife Office compound (04 34 15 N 28 23 55 E, 652 m): **USNM**: 587303.

Tanzania:

Ruaha National Park (0730S 3500E): **AMNH**: 267636.

Uganda:

Lake Katwe (0008S 2952E): **MSU**: MR.6124.

Zambia:

Ngoma (county) (ca. 1554S 2557E): **AMNH**: 218903, 218904, 218905, 218906, 218907.

Zimbabwe:

Sengwa Wildlife Research Station (1810S 2813E): **TM**: 34907.

Chaerephon Dobson, 1874

"Africa":

Unknown locality: **ZMA**: MAM.19864, MAM.19865, MAM.26225, MAM.26226, MAM.26232.

Angola:

Nóqui (055230S 132556E): **FMNH**: 81692.

Benin:

Bodjecali (11 48 34 N 03 22 59 E, 252 m): **ZMA**: MAM.22449, MAM.22450, MAM.22451, MAM.22452 - Bodjécali (11 48 34 N 03 22 59 E, 252 m): **ZMA**: MAM.23344 - Koko (08 22 30 N 001 50 12 E, 252 m): **ZMA**: MAM.25374, MAM.25375, MAM.25376, MAM.25377.

Burkina Faso:

Nazinga (Game Ranch) (11 11 06 N 01 29 04 W): **ZMA**: MAM.25128.

Burundi:

Mweya (03 29 25 S 29 55 42 E, 1762 m): **MHNG**: 1896.019, 1896.020.

Cameroon:

Kalamaloué forest and game reserve (12 08 N 14 54 E): **ZMA**: MAM.24633 - Mayo Vaimba river (08 40 30 N 14 26 51 E): **ZMA**: MAM.23063, MAM.23064, MAM.23065, MAM.23066.

Central African Republic:

Boukoko (035400N 175600E, 559 m): **MNHN**: ZM-MO-1984-1253.

Chad:

Bébédjia (08 41 00 N 16 34 00 E, 397 m): **ZMA**: MAM.13429, MAM.13430, MAM.13431, MAM.13432, MAM.13433, MAM.13434, MAM.13435, MAM.13436, MAM.13437, MAM.13438, MAM.13503 - Fort Archambault (09 09 00 N 18 23 00 E, 347 m): **MNHN**: ZM-MO-1999-128 - Fort Lamy (12 06 47 N 15 02 57 E, 1962 m): **MNHN**: ZM-MO-1962-1091 A, ZM-MO-1962-1091 B.

Congo:

Divenié (02 40 38 S 12 05 08 E, 540 m): **ZMA**: MAM.15721, MAM.15722, MAM.15723, MAM.15724, MAM.15725, MAM.15726, MAM.15727, MAM.15728, MAM.15729 - Milamila (03 43 12 S 12 27 14 E, 252 m): **ZMA**: MAM.15717, MAM.15718, MAM.15719, MAM.15720 - Sounda (04 05 S 12 08 E, 36 m): **ZMA**: MAM.15701, MAM.15702, MAM.15705, MAM.15706, MAM.15707, MAM.15708, MAM.15710, MAM.15712.

Congo (Democratic Republic of the):

Kisantu (05 07 00 S 15 05 00 E, 571 m): **FMNH**: 219519, 219520, 219521, 219522, 219523, 219524, 219525, 219526, 219527, 219528, 219529, 219530, 219531, 219532, 219537, 219538, 219539, 219540, 219541 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **BMNH**: 1904.6.25.1 - Upper Congo: **BMNH**: 1907.6.14.6.

Ghana:

Unknown locality: **RMNH**: MAM.28520.

Kenya:

Unknown locality: **BMNH**: 1909.6.12.22, 1912.7.1.50 - Kwale (04 11 S 39 27 E, 303 m): **ZMA**: MAM.20851, MAM.20852.

Madagascar:

Mistinjo: **MNHN**: ZM-MO-1857-342.

Malawi:

Chitala River (133539S 342623E, 1900 ft): **MCZ**: 58415, 58416, 58417, 58418, 58419, 58420, 58421, 58422, 58423, 58424, 58425, 58426, 58427, 58428, 58429, 58430, 58431, 58432, 58433, 58434, 58435, 58436, 58437, 58438, 58439, 58440 - Mpherere Mission (13 22 10 S 33 55 21 E): **ZMA**: MAM.28385.

Namibia:

Oakwengaga (22 40 S 14 50 E): **RMCA**: 95.093-M-0010, 95.093-M-0011 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **RMCA**: 93.050-M-0001, 93.050-M-0002.

Nigeria:

Unknown locality: **BMNH**: 1964.1237.

Sierra Leone:

Unknown locality: **BMNH**: 1916.1.29.3, 1962.447.

South Sudan:

Kabi stream (03 56 52 N 31 34 41 E, 929 m): **USNM**: 587669 - Malakal (09 32 13 N 31 39 22 E, 276 m): **ZMA**: MAM.20439 - Yambio, FFI (Flora & Fauna International) complex (04 34 41 N 28 22 58 E, 669 m): **USNM**: 586716 - Yambio, Wildlife Office compound (04 34 15 N 28 23 55 E, 652 m): **USNM**: 587205, 587304, 587305.

Tanzania:

Bwiru (02 28 16 S 032 53 13 E): **ZMA**: MAM.22397, MAM.22983 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22404, MAM.22405, MAM.22406 - Isamilo (International School) (02 30 30 S 32 54 23 E): **ZMA**: MAM.22398, MAM.22399, MAM.22400, MAM.22401, MAM.22402 - Kibarra (02 09 S 33 27 E, 1137 m): **ZMA**: MAM.22722, MAM.22723, MAM.22724, MAM.22725, MAM.22726 - Kilimatinde Hospital (05 49 58 S 34 57 43 E): **ZMA**: MAM.22031, MAM.22032, MAM.22033, MAM.22035, MAM.22036, MAM.22037 - Mwanza (02 31 00 S 32 54 00 E, 1209 m): **ZMA**: MAM.22039, MAM.22403, MAM.22416, MAM.22417 - Nyegezi (02 31 27 S 32 53 25 E): **ZMA**: MAM.22407, MAM.22408, MAM.22409, MAM.22410, MAM.22411, MAM.22412, MAM.22413, MAM.22414, MAM.22415.

Uganda:

Unknown locality: **BMNH**: 1965.1210 - Manjasi High School (00 40 N 34 12 E): **ZMA**: MAM.13370, MAM.13371, MAM.13372, MAM.13373, MAM.13374, MAM.13375, MAM.13376, MAM.13377, MAM.13378, MAM.13379, MAM.13380, MAM.13381, MAM.13382.

Chaerephon aloysiisabaudiae (Festa, 1907)

"Africa":

Unknown locality: **CM**: 58678; **USNM**: 435000.

Congo (Democratic Republic of the):

Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 48934 - Eala (00 04 00 N 18 17 00 E, 301 m): **RMCA**: 6565 - Iso.4 (04 18 00 N 29 56 00 E): **RBINS**: 13826 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537737.

Côte d'Ivoire:

Unknown locality: **SMF**: 92015, 92016, 92017.

Ghana:

Prestea, 32 mi [=51.5 km] W (05 23 N 02 28 W): **USNM**: 414396 - Yabraso (0804N 0147W): **USNM**: 425000, 435001, 435002, 435003, 435005, 435006, 435007.

Uganda:

Unknown locality: **BMNH**: 1923.4.12.29, 1923.4.12.30, 1923.4.12.31, 1923.4.12.32, 1923.4.12.50, 1923.4.12.51 - Budongo Forest (0146N 3133E, 1050 m): **ROM**: 59231 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **ZMB**: T09247 -

Kasenyi (0002S 3009E, 3000 ft): **MVZ**: 124252 - Masindi, near (014028N 314254E, 1200 m): **ROM**: 46734 - Masindi, near (014028N 314254E, 1350 m): **ROM**: 41768 - Masindi, near (014028N 314254E, 600 m): **ROM**: 38380.

Chaerephon ansorgei (Thomas, 1913)

Angola:

Dolondolo (13.88S 13.13E): **SMW**: 6599 - Malange [= Malanje] (ca. 1115S 1701E): **BMNH**: 1910.4.8.4 (Holotype *Nyctinomus ansorgei*).

Cameroon:

Mokolo - Mayo Louti (10 42 00 N 13 44 00 E): **RMCA**: 73.015-M-0001, 73.015-M-0002, 73.015-M-0003, 73.015-M-0004, 73.015-M-0005, 73.015-M-0006, 73.015-M-0007, 73.015-M-0008, 73.015-M-0009, 73.015-M-0010, 73.015-M-0011, 73.015-M-0012 - Nanga-Eboko, 30 km E (044100N 122200E, 631 m): **AMNH**: 241069 - Obala, 55 km NE (ca. 0440 N 1150E): **AMNH**: 241067, 241068 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0013, 73.015-M-0014, 73.015-M-0015, 73.015-M-0016, 73.015-M-0898, 73.016-M-0001, 73.016-M-0002, 73.016-M-0003, 73.016-M-0004, 73.016-M-0005, 73.016-M-0006, 73.016-M-0007, 73.017-M-0001, 73.017-M-0002, 73.017-M-0003, 73.017-M-0004, 73.017-M-0005, 73.017-M-0006, 73.017-M-0007, 73.017-M-0008, 73.017-M-0258, 73.017-M-0259, 73.017-M-0260, 73.017-M-0261, 73.017-M-0262, 73.017-M-0263, 73.017-M-0264, 73.017-M-0265, 73.017-M-0266, 73.017-M-0267, 73.017-M-0387, 73.017-M-0388, 73.017-M-0389, 73.017-M-0390, 73.017-M-0391, 73.017-M-0392, 73.017-M-0393, 73.017-M-0394, 73.017-M-0395, 73.017-M-0396, 73.017-M-0397, 73.017-M-0398, 73.017-M-0399, 73.017-M-0400, 73.017-M-0401, 73.017-M-0402, 73.017-M-0403, 73.017-M-0404, 73.017-M-0405, 73.017-M-0406, 73.017-M-0407, 73.017-M-0408, 73.017-M-0409, 73.017-M-0410, 73.017-M-0411, 73.017-M-0412, 73.017-M-0413, 73.017-M-0414, 73.017-M-0415, 73.017-M-0416, 73.017-M-0417, 73.017-M-0418, 73.017-M-0419, 73.017-M-0420, 73.017-M-0421, 73.017-M-0422, 73.017-M-0423, 73.017-M-0424, 73.017-M-0425, 73.017-M-0426, 73.017-M-0427, 73.017-M-0428, 73.017-M-0429, 73.017-M-0430, 73.017-M-0431, 73.017-M-0432, 73.017-M-0433, 73.017-M-0434, 73.017-M-0435, 73.017-M-0436.

Congo (Democratic Republic of the):

Biadimbi (04 13 00 N 29 21 00 E): **RBINS**: 13775.1, 13775.2 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 48902, 48903, 48904, 48905, 48906, 48907, 48909, 49231, 49232, 49233, 49234, 49236, 49238, 49239, 49240, 49241, 49242, 49243, 49245, 49246, 49247, 49248, 49249, 49264; **FMNH**: 43865, 43866; **MCZ**: 17220; **RBINS**: 13778.1, 13778.2; **RMCA**: 12385 - Garamba National Park (04 10 00 N 29 30 00 E): **RBINS**: 13780 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RMCA**: 28210 - Kinzambi mission (04 58 38 S 18 46 28 E, 312 m): **MSB**: 274752, 274753, 274754, 274756, 274757, 274758, 274760, 274761, 274762, 274763, 274764, 274765, 274766, 274767, 274768, 274769, 274770, 274771, 274772, 274773, 274774, 274775, 274776, 274777, 274778, 274779, 274780; **RMCA**: 97.021-M-0581, 97.021-M-0582, 97.021-M-0583, 97.021-M-0584, 97.021-M-0585, 97.021-M-0586, 97.021-M-0587, 97.021-M-0588, 97.021-M-0589, 97.021-M-0590, 97.021-M-0591, 97.021-M-0592, 97.021-M-0593, 97.021-M-0594, 97.021-M-0595, 97.021-M-0596, 97.021-M-0597, 97.021-M-0598, 97.021-M-0599, 97.021-M-0600, 97.021-M-0601, 97.021-M-0602, 97.021-M-0603, 97.021-M-0604, 97.021-M-0605, 97.021-M-0606, 97.021-M-0607, 97.021-M-0608, 97.021-M-0609, 97.021-M-0610, 97.021-M-1173 - Lake Kivu, near (ca. 0200S 2910E): **MCZ**: 46156 - Mbalaka (plantation) (05 00 00 S 18 53 00 E): **RMCA**: 97.021-M-0580, 97.021-M-0611 - Mpaza (04 14 00 N 29 37 00 E): **RBINS**: 13776.1, 13776.2, 13776.3, 13776.4, 13776.5, 13776.6; **RMCA**: 36891, 36892 - Muradingusha (1045S 2715E, 1158 m): **BMNH**: 1959.502, 1959.503, 1959.504, 1959.505 - Mwadingusha (10 45 00 S 27 15 00 E, 1158 m): **MHNG**: 1046.025, 1046.026, 1046.027, 1046.028; **RMCA**: 26757, 26758, 26759, 26760, 26761, 26762, 26763, 26764, 26765, 26766, 26767, 26768, 26769, 26770, 26771, 26772, 28208, 28209 - Sacred Heart mission (05 01 43 S 18 50 47 E): **MSB**: 274721, 274722, 274723, 274724, 274725, 274726, 274781, 274782, 274783, 274784, 274785, 274786, 274787, 274788, 274789, 274790, 274791, 274792, 274793, 274794, 274795, 274796, 274797, 274798, 274799, 274800, 274801, 274802, 274803, 274804, 274805; **RMCA**: 97.021-M-0612, 97.021-M-0613, 97.021-M-0614, 97.021-M-0615, 97.021-M-0616, 97.021-M-0617, 97.021-M-0618, 97.021-M-0619, 97.021-M-0620, 97.021-M-0621, 97.021-M-0622, 97.021-M-0623, 97.021-M-0624, 97.021-M-0625, 97.021-M-0626, 97.021-M-0627, 97.021-M-0628, 97.021-M-0629, 97.021-M-0630, 97.021-M-0631, 97.021-M-0632, 97.021-M-0633, 97.021-M-0634, 97.021-M-0635, 97.021-M-0636, 97.021-M-0637, 97.021-M-0638, 97.021-M-0639, 97.021-M-0640, 97.021-M-0641 - Uduku (04 32 00 N 29 33 00 E): **RBINS**: 13779.1, 13779.2, 13779.3; **RMCA**: 36893.

Ethiopia:

Unknown locality: **BMNH**: 1972.4449 - Addis Abeba (09 02 00 N 38 42 00 E, 2362 m): **BMNH**: 1971.2457.

Kenya:

Kampi Ya Samaki (003600N 360100E, 1200 m): **ROM**: 68374, 68375 - Kampi Ya Samaki (003600N 360100E, 900 m): **ROM**: 68484, 68485, 68486 - Kanyangareng (01 47 00 N 35 08 00 E, 607-900 m): **ROM**: 36435 - Kapenguria (011400N 350700E, 2133 m): **ROM**: 73255 - Kapenguria (011400N 350700E, 2134 m): **ROM**: 91247 - Kisumu (0006S 3445E): **ROM**: 71017, 71020, 71026 - Lake Bogoria (00 15 32 N 36 06 06 E, 1500 m): **ROM**: 48497 - Mara River: **ROM**: 41769 - Marigat (002800N 355900E, 1062 m): **ROM**: 75436, 75437, 75438, 75439, 75440, 75441, 75442, 75443 - Marigat, Perakera River (002800N 355900E): **ROM**: 68559 - Marigat, Perakera River (002800N 355900E, 1036 m): **ROM**: 68560 - Mount Nasolot, near (0149N 3518E): **ROM**: 73432, 73438 - near Marigat, Perakera River (0028N 3559E, 1030 m): **ROM**: 68111 - Nguruman Escarpment (0145S 3602E, 610 m): **ROM**: 71377, 71378, 71379, 71380, 71385, 71386, 71395, 71396, 71400, 71403, 71406 - Ortum (0121N 3521E, 600 m): **ROM**: 65845 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 38330, 40189 - Sirmai (01 28 N 35 28 E): **ROM**: 73258 - Turkwell river (0240N 3521E): **ROM**: 73447.

Malawi:

Ntchisi Forest guesthouse (13 23 S 34 00 E, 1500 m): **ZMA**: MAM.28372.

Mozambique:

Aldeia Chiuta [= Chiuta, Chuta] (153344S 331723E, 700m): **USNM**: 365471 - Ribaue, 27 km W (14 58 15 S 38 04 46 E, 587 m): **DNSM**: 8607, 8608, 8609, 8610.

Nigeria:

Jauro Masali (0620N 0325E, 1300 m): **SMNS**: 41351 - Leinde Fadali (0658N 1136E, 1700m): **SMNS**: 41352.

Rwanda:

Gabiro (01 31 00 S 30 28 00 E, 1400 m): **RBINS**: 4907 - Rukara (014755S 303002E, 1625 m): **RMCA**: 81.012-M-0049, 81.012-M-0050, 81.012-M-0051, 81.012-M-0052, 81.012-M-0053, 81.012-M-0054, 81.012-M-0055, 81.012-M-0056, 81.012-M-0057, 81.012-M-0058, 81.012-M-0059.

South Africa:

Anthrax camp (222530S 311230E): **TM**: 38275 - Mkuzi River (27 52 00 S 32 29 00 E): **TM**: 35351 - Nwanedzi Camp, dam 1 km NWN (2427S 3158E): **TM**: 39634, 39637 - Nwanedzi, 3 km SE (2428S 3159E): **TM**: 34531, 34532, 34534, 34536, 34538 - Nwanetzi, 1 km N (2427S 3158E): **AMNH**: 257447, 257448, 257449, 257450 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 38841, 48545, 48600 - WNLA Dam (2427S 3158E): **TM**: 39633, 39635, 39636, 39638, 39639.

South Sudan:

Lokwi (040628N 324314E, 1487 m): **FMNH**: 74144, 78753 - Torit (0427N 3231E, 610 m): **FMNH**: 79611.

Uganda:

Unknown locality: **BMNH**: 1966.3613 - Budongo Forest (0146N 3133E, 1050 m): **ROM**: 59233.

Zimbabwe:

Unknown locality: **MNHN**: ZM-MO-2001-1634, ZM-MO-2001-1635 - Bindura (1723S 3117E): **TM**: 9981, 9982 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 59908 - Chewore R, Mkanga Bridge (16.12S 30.12E): **NHMZ**: 30703 - Chikupo cave, 19 km W (1724S 3119E): **ROM**: 64570 - Chikupo Caves (1723S 3117E): **ROM**: 64557, 64558, 64561, 64562, 64577, 64578, 64579, 64588, 64590, 64591, 64592, 64593, 64594, 64595, 64596, 64597, 64598, 64599, 64600, 64601, 64602, 64603, 64604, 64605, 64606, 64607, 64608, 64609, 64610, 64611, 64612, 64613, 64614, 64615, 64616, 64617, 64618, 64619, 64620, 64621, 64622, 64623; **TM**: 9977 (Holotype *Nyctinomus rhodesiae*) - Chikupu [=Chikupo] Caves (17 23 S 31 17 E): **NHMZ**: 30220 - Chikwarakwara, Pesu R Gorge (22.28S 31.2E): **NHMZ**: 60018 - Chiredzi, Lone Star Ranch (21.12S 31.87E): **NHMZ**: 59984 - Chirisa SA, Magurazino R (17.62S 28.37E): **NHMZ**: 64815 - Dibutibu R, Batoka (17.94S 26.12E): **NHMZ**: 29732 - Fishans, Lower Runde R (21.25S 32.25E): **NHMZ**: 59906 - Guhudza Mountain, Chivi (20.58S 30.67E): **NHMZ**: 30027 - Gweru (19.42S 29.78E): **NHMZ**: 6934 - Harare (17.83S 31.07E): **NHMZ**: 60025 - Hostes Nicoll Research Institute (1810S 2813E): **ROM**: 70995 - Lutope-Ngolangola R Confluence (18.28S 28.08E): **NHMZ**: 33612 - Nwanetsi: **TM**: 34533, 34535, 34537 - Nyadire River Camp, Pfungwe (16.75S 32.25E): **NHMZ**: 84291 - Nyadiri R (17.12S 32.12E): **NHMZ**: 32613 - Nyandia Dam (17.0S 32.0E): **NHMZ**: 84268 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32596 - Ruya R. (16.5S 31.75E): **NHMZ**: 84353 - Save-Lunde R Confluence, Marhumbini (21.28S 32.38E): **NHMZ**: 31358 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 59932 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 29612 - Shangani Bridge, Lubimbi (18.62S 27.37E): **NHMZ**: 32025 - Zambezi-Namakunda R Confluence, Katombora (17.87S 25.37E): **NHMZ**: 60683.

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010

Madagascar:

Unknown locality: **UADBA**: 43316, 43322, 43395, 43397, 43472, 43477, 43478, 43912, 43915, 43926, 43927, 43928, 50422, 50425, 50426 - Amboasary: **ZMB**: 44567, 44568 - Ambodiriana (975 m): **ROM**: 42071, 42072 - Anadsibe (18 56 00 S 48 25 00 E, 921 m): **FMNH**: 222734, 222736, 222737, 222738, 222739, 222741, 222742, 222743, 222744, 222745, 222746; **UADBA**: 33705, 33706, 33707, 33708, 33709 - Analamazaotra forest, Périnet (185600S 482500E, 800 - 991 m): **MNHN**: ZM-MO-1985-475 - Andapa (500 m): **FMNH**: 154064 - Andrarabarikely (1749.784S 4825.112E, 1000 m): **FMNH**: 184651, 184652, 184653, 184654, 184656, 184657, 184658, 184659, 184660 - Andreba, Railroad Station: **USNM**: 328771, 328772 - Beforona, bureau de poste (1853.349S 4834.683E, 560 m): **FMNH**: 184509, 184510, 184511, 184512, 184513, 184514, 184515, 184516, 184517, 184518 - Beforona, école CEG (1853.334S 4834.792E, 560 m): **FMNH**: 184523, 184524 - Beforona, ex hotel villa Martin'son (1853.320S 4834.711E, 560 m): **FMNH**: 184519, 184520, 184521, 184522 - Brickaville, bureau commune (1849.317S 4904.343E, 10 m): **FMNH**: 187823 - bureau circonscription scolaire (2321.300S 4735.763E, 10 m): **FMNH**: 185229, 185230, 185231, 185232, 185233, 185234, 185235, 185236, 185237, 185238 - Collegèges d'Enseignement Général (CEG) Fenoarivo (2249.275S 4749.860E, 10 m): **FMNH**: 185259 (Holotype *Chaerephon atsinanana*), 185260 (Paratype *Chaerephon atsinanana*), 185261 (Paratype *Chaerephon atsinanana*), 185262 (Paratype *Chaerephon atsinanana*), 185263 (Paratype *Chaerephon atsinanana*), 185264 (Paratype *Chaerephon atsinanana*), 185265 (Paratype *Chaerephon atsinanana*), 185266 (Paratype *Chaerephon atsinanana*), 185267 (Paratype *Chaerephon atsinanana*), 185268 (Paratype *Chaerephon atsinanana*) - Commune Ampahatelo, maison du domaine d'Akamasoa (2320.678S 4735.778E, 20 m): **FMNH**: 185279, 185280, 185281, 185282 - Commune Mahabo, chalet de marché (2311.316S 4740.745E, 30 m): **FMNH**: 185269, 185270, 185271, 185272, 185273, 185274, 185275, 185276, 185277, 185278 - Dispensaire public, Ampasy (2321.426S 4735.813E, 10 m): **FMNH**: 185239, 185240, 185241, 185242, 185243, 185244, 185245, 185246, 185257, 185258 - École Lycée, salle I (2117.904S 4738.264E, 460 m): **FMNH**: 185329, 185330, 185331, 185332, 185333, 185334, 185335, 185336, 185337, 185338 - Fanandrana, EPP (1815.122S 4916.067E, 40 m): **FMNH**: 187816, 187817, 187818, 187819, 187820, 187821, 187822 - Hôpital CSB II Mazavatakona (2118.394S 4738.144E, 459 m): **FMNH**: 185319, 185320, 185321, 185322, 185323, 185324, 185325, 185326, 185327, 185328 - Ifanadiana (2118S 4738E, 532 m): **MNHN**: ZM-MO-1985-437, ZM-MO-1985-438, ZM-MO-1985-439, ZM-MO-1985-440 - maison d'habitation (610 m): **FMNH**: 188081, 188082, 188083, 188084, 188085, 188086, 188087, 188088, 188089, 188090, 188091 - Manakara be, EPP Tanambe, salle A (2209.418S 4801.009E, 15 m): **FMNH**: 185306, 185307, 185308, 185309, 185310, 185311, 185312, 185313, 185314, 185315, 185316, 185317, 185318 - Marozevo, maison d'habitation II (815 m): **FMNH**: 188142, 188143, 188144 - Moramanga (950 m): **MCZ**: 45098, 45099, 45107, 45582, 45583 - Moramanga (ville), école primaire privée (820 m): **FMNH**: 188131 - Moramanga (ville), grande salle de l'EPP près du Lycée (820 m): **FMNH**: 188122, 188123, 188124, 188125, 188126, 188127, 188128, 188129, 188130 - Moramanga (ville), Lycée technique (820 m): **FMNH**: 188112, 188113, 188114, 188115, 188116, 188117, 188118, 188119, 188120, 188121 - Moramanga (ville), Sahanofata (835 m): **FMNH**: 188132, 188133, 188134, 188135, 188136, 188137, 188138, 188139, 188140, 188141 - Périnet [= Andasibe] cité CIBA (1853.410S 4825.246E, 980 m): **FMNH**: 184506, 184507, 184508 - Périnet [= Andasibe], CIBA (1853.747S 4824.907E, 950 m): **FMNH**: 184491, 184492, 184493, 184494, 184495 - Périnet [= Andasibe], cité CIBA (1853.410S 4825.246E, 980 m): **FMNH**: 184496, 184497, 184498, 184499, 184500, 184501, 184502, 184503, 184504, 184505 - Périnet, 3 km E: **USNM**: 341734, 341735, 341736, 341737, 341738, 341739, 341740, 341741, 341742, 341743 - Périnet-Analamazaotra: **BMNH**: 1976.1896, 1976.1897 - Ranomafana hôpital CSB II (1857.661S 4850.655E, 50 m): **FMNH**: 187824, 187825, 187826, 187827, 187828, 187829, 187830, 187831, 187832, 187833 - Ranomafana, Église catholique (1857.636S 4850.845E, 90 m): **FMNH**: 187834, 187835, 187836, 187837 - Sabotsy Anjiro, Andranoalina, maison d'habitation No. 3 (1852.945S 4758.245E, 850 m): **FMNH**: 184677, 184678, 184679, 184680, 184681, 184682, 184683, 184684, 184685, 184686 - Sabotsy Anjiro, maison d'habitation (1853.672S 4758.401E, 850 m): **FMNH**: 184661, 184662, 184663, 184664, 184665, 184666, 184667 - Sabotsy Anjiro, maison d'habitation No. 2 (1853.711S 4758.391E, 850 m): **FMNH**: 184668, 184669, 184670, 184671, 184672, 184673, 184674, 184675, 184676 - Station Forestière d'Ivoloina,

près du gîte Mahatsinjo (1803.406S 4921.635E, 15 m): **UADBA**: RB-20, RB-21 - Tampina (1830S 4917E): **ZMB**: 44559 - Toamasina (ville), EPP Ambohijafy (1807.569S 4924.128E, 10 m): **FMNH**: 187804, 187805, 187806, 187807, 187808, 187809, 187810, 187811, 187812, 187813 - Toamasina (ville), menuiserie Mangarano (1808.441S 4922.670E, 10 m): **FMNH**: 187797, 187798, 187799, 187800, 187803, 187814, 187815 - Vohipeno, Commune Vohitrindry, Quartier Fenoarivo, grenier N. 1 (2221.997S 4750.206E, 35 m): **FMNH**: 185283, 185284, 185285, 185286, 185287, 185288, 185289, 185290, 185291, 185292 - Vohipeno, quartier Ambohimanarivo, bureau de Fivondronana (2221.242S 4750.421E, 30 m): **FMNH**: 185293, 185294, 185295, 185296, 185297, 185298, 185299, 185300, 185301, 185302, 185303, 185304, 185305.

Chaerephon bemmeleni (Jentink, 1879)

"Africa":

"Liberia ??": **RMNH**: MAM.21649.

Cameroon:

Mbouda, 15 km SSE (0538N 1015E): **ROM**: 55821, 55822, 55823, 55824, 55825, 55826, 55827, 55828, 55829, 55830, 55831, 55832, 55833, 55851, 55852, 55853, 55854, 55855, 55856, 55857, 55858, 55859, 55860, 55861 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.016-M-0314, 73.017-M-0268, 73.017-M-0269, 73.017-M-0270, 73.017-M-0271, 73.017-M-0272, 73.017-M-0437, 73.017-M-0438, 73.017-M-0439, 73.017-M-0440, 73.017-M-0441, 73.017-M-0442, 73.017-M-0443, 73.017-M-0444, 73.017-M-0445, 73.017-M-0446, 73.017-M-0447, 73.017-M-0448, 73.017-M-0449, 73.017-M-0450, 73.017-M-0451, 73.017-M-0452, 73.017-M-0453, 73.017-M-0454, 73.017-M-0455, 73.017-M-0456, 73.017-M-0457, 73.017-M-0458, 73.017-M-0459, 73.017-M-0460, 73.017-M-0461, 73.017-M-0462, 73.017-M-0463, 73.017-M-0464, 73.017-M-0465, 73.017-M-0466, 73.017-M-0467, 73.017-M-0468, 73.017-M-0469, 73.017-M-0470, 73.017-M-0471, 73.017-M-0472, 73.017-M-0473, 73.017-M-0474, 73.017-M-0475, 73.017-M-0476, 73.017-M-0477, 73.017-M-0478, 73.017-M-0479, 73.017-M-0480, 73.017-M-0481, 73.017-M-0482, 73.017-M-0483, 73.017-M-0484, 73.017-M-0485, 73.017-M-0486, 73.017-M-0487, 73.017-M-0488, 73.017-M-0489, 73.017-M-0490, 73.017-M-0491, 73.017-M-0492, 73.017-M-0493, 73.017-M-0494, 73.017-M-0495, 73.017-M-0496, 73.017-M-0497, 73.017-M-0498, 73.017-M-0499, 73.017-M-0500, 73.017-M-0501, 73.017-M-0502, 73.017-M-0503, 73.017-M-0504, 73.017-M-0505, 73.017-M-0506, 73.017-M-0507, 73.017-M-0508, 73.017-M-0509, 73.017-M-0510, 73.017-M-0511, 73.017-M-0512, 73.017-M-0513, 73.017-M-0514, 73.017-M-0515, 73.017-M-0516, 73.017-M-0517, 73.017-M-0518, 73.017-M-0519, 73.017-M-0520, 73.017-M-0521, 73.017-M-0522, 73.017-M-0523, 73.017-M-0524, 73.017-M-0525, 73.017-M-0526, 73.017-M-0527, 73.017-M-0528, 73.017-M-0529, 73.017-M-0530, 73.017-M-0531, 73.017-M-0532, 73.017-M-0533, 73.017-M-0534, 73.017-M-0535, 73.017-M-0536, 73.017-M-0537, 73.017-M-0538, 73.017-M-0539, 73.017-M-0540, 73.017-M-0541, 73.017-M-0542, 73.017-M-0543, 73.017-M-0544, 73.017-M-0545, 73.017-M-0546, 73.017-M-0547, 73.017-M-0548, 73.017-M-0549, 73.017-M-0550, 73.017-M-0551, 73.017-M-0552, 73.017-M-0553, 73.017-M-0554, 73.017-M-0555, 73.017-M-0556, 73.017-M-0557, 73.017-M-0558, 73.017-M-0559, 73.017-M-0560, 73.017-M-0561, 73.017-M-0562, 73.017-M-0563, 73.017-M-0564, 73.017-M-0565, 73.017-M-0566, 73.017-M-0567, 73.017-M-0568, 73.017-M-0569, 73.017-M-0570, 73.017-M-0571, 73.017-M-0572, 73.017-M-0573, 73.017-M-0574, 73.017-M-0575, 73.017-M-0576, 73.017-M-0577, 73.017-M-0578, 73.017-M-0579, 73.017-M-0580, 73.017-M-0581, 73.017-M-0582, 73.017-M-0583, 73.017-M-0584, 73.017-M-0585, 73.017-M-0586, 73.017-M-0587, 73.017-M-0588, 73.017-M-0589, 73.017-M-0590, 73.017-M-0591, 73.017-M-0592, 73.017-M-0593, 73.017-M-0594, 73.017-M-0595, 73.017-M-0596, 73.017-M-0597, 73.017-M-0598, 73.017-M-0599, 73.017-M-0600, 73.017-M-0601, 73.017-M-0602, 73.017-M-0603, 73.017-M-0604, 73.017-M-0714.

Congo (Democratic Republic of the):

Lume river, near (ca. 00 15 N 29 35 E): **INPBC**: V857 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **RMCA**: 13826.

Kenya:

Unknown locality: **BMNH**: 1975.2708, 1975.2709, 1975.2965 - Kampi ya Moto (00 08 S 35 56 E, 1980m): **HZM**: 1.4496 - Kisumu (0006S 3445E): **ROM**: 63943 - Maungu Hill (ca. 03 37 S 38 37 E, 450 m): **ROM**: 68088, 68095, 68185 - Mount Nasolot, near (0149N 3518E): **ROM**: 73421, 73430 - Nguruman Escarpment (0145S 3602E, 610 m): **ROM**: 71397, 71402 - Nyangala hill (0337S 3844E): **ROM**: 71178, 71179, 71190, 71191, 71192, 71193, 71194, 71195, 71196, 71197, 71198, 71199, 71200, 71201, 71202, 71203, 71215, 71216, 71217, 71218 - Turkwell Gorge (0154N 3522E, 930 m): **ROM**: 65510, 65512, 65513, 65514, 65515, 65516, 65517, 65521, 65522, 65524, 65525, 65526, 65529, 65531 - Turkwell river (0240N 3521E): **ROM**: 73449.

Liberia:

Unknown locality: **SMF**: 87694, 87695, 87700.

Sierra Leone:

Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 547059.

South Sudan:

Mangala [=Mongalla] (05 10 57 N 31 45 00 E, 466 m): **BMNH**: 1902.7.4.4 (Holotype *Nyctinomus cisturus*).

Tanzania:

Mawere: **AMNH**: 83921 - Shinyanga region: **SMF**: 85481 - Weru Weru river (03 24 S 37 18 E): **BMNH**: 1951.394.

Uganda:

Budongo Forest (0146N 3133E): **ROM**: 59232.

Chaerephon bivittatus (Heuglin, 1861)

"Africa":

Unknown locality: **CM**: 102300; **USNM**: 437252, 437255, 437258.

Congo (Democratic Republic of the):

Bitshumbi (00 40 56 S 29 23 12E, 907 m): **RMCA**: 17076.

Eritrea:

Keren (154640N 382729E, 1590 m): **SMNS**: 981 (Lectotype *Nyctinomus bivittatus*), 981a (Paralectotype *Nyctinomus bivittatus*), 981b (Paralectotype *Nyctinomus bivittatus*).

Ethiopia:

Abyssinia: **ZMB**: 2792.

Kenya:

Unknown locality: **BMNH**: 1975.2668, 1975.2669, 1975.2670, 1975.2671, 1975.2672_1, 1975.2672_2, 1975.2672_3, 1975.2672_4, 1975.2672_5, 1975.2672_6, 1975.2672_7, 1975.2672_8, 1975.2672_9, 1975.2681, 1975.2682, 1975.2683_1, 1975.2683_2, 1975.2685, 1975.2686_01, 1975.2686_02, 1975.2686_03, 1975.2686_04, 1975.2686_05, 1975.2686_06, 1975.2686_07, 1975.2686_08, 1975.2686_09, 1975.2686_10, 1975.2686_11, 1975.2686_12, 1975.2686_13, 1975.2686_14, 1975.2700, 1975.2701_1, 1975.2701_2, 1975.2701_3, 1975.2701_4, 1975.2705_1, 1975.2705_2, 1975.2707, 1975.2962, 1975.2963; **ROM**: 94649 - Busia (002800N 340600E, 1206 m): **AMNH**: 184416, 184417, 184418, 184419 - Granite Hills, Mombaso Road: **ROM**: 36429 - Kaiboni River (0126N 3504E, 1372 m): **ROM**: 38297 - Kampi ya Samaki (0038N 3617E): **ROM**: 68552, 68553 - Kampy Ya Samaki, near (0037N 3602E, 1006 m): **USNM**: 437300, 437301, 437302, 437303, 437304, 437305, 437306, 437307, 437308 - Kanyangareng (01 47 00 N 35 08 00 E, 607-900 m): **ROM**: 36436, 36437, 36438, 40210, 40211, 40212 - Kanyangareng (01 47 00 N 35 08 00 E, 900 m): **ROM**: 66038, 66039, 66040, 66041, 66042, 66043 - Kapenguria (011400N 350700E): **ROM**: 40339, 40340 - Kapenguria (011400N 350700E, 2133 m): **ROM**: 73256, 73257 - Kisumu (0006S 3445E): **ROM**: 71018, 71019, 71021, 71022, 71023, 71024, 71025, 71027, 71028 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **ROM**: 65820 - Kongelai (0128N 3502E, 1350 m): **ROM**: 38269 - Kongelai (0128N 3502E, 1372 m): **FMNH**: 152902, 152903 - Kongelai Escarpment, Tambala Falls: **ROM**: 36501, 36502, 40180, 40181, 40182, 40183 - Kongelai, 3 mi S (0128N 3501E): **USNM**: 437248, 437249, 437250, 437251 - Kongelai, 3 mi S (0128N 3501E, 1372 m): **USNM**: 437241, 437242, 437243, 437244, 437245, 437246, 437247 - Lake Bogoria (00 15 32 N 36 06 06 E, 1500 m): **ROM**: 48496 - Lake Hannington (00 15 32 N 36 06 06 E, 1500 m): **WAM**: M21239, M21240 - Machakos, near (01 31 S 37 16 E, 1219 m): **FMNH**: 67952; **KU**: 41120 - Maji Moto (0013N 3606E, 1102 m): **USNM**: 437253, 437254, 437256, 437257, 437259, 437260, 437261, 437262, 437263, 437264, 437265, 437266, 437267, 437268, 437269, 437270, 437271, 437272, 437273, 437274, 437276, 437277, 437278, 437279, 437280, 437281, 437282, 437283, 437284, 437285, 437286, 437287, 437288, 437289, 437290, 437291, 437292, 437293, 437294, 437295, 437296, 437297, 437298, 437299 - Makindu, 13 km NW (0214S 3746E): **ROM**: 63793 - Marigat (002800N 355900E): **USNM**: 437309 - Marigat, Perakera River (002800N 355900E): **ROM**: 68110 - Marigat, Perakera River (002800N 355900E, 1036 m): **ROM**: 68561 - Masol Location (013900N 354200E, 762 m): **ROM**: 40167, 40173, 40174, 40176 - Maungu (61m): **ROM**: 68500, 77493, 77494, 77498 - Maungu Hill: **ROM**: 68087 - Maungu Hill (450 m): **ROM**: 68100 - Mole (0015S 3544E, 2506 m): **USNM**: 437275 - Molo river (0155S 3545E, 1067 m): **ROM**: 75507 - Mombasa (04 03 00 S 39 40 00 E, 0 m): **FMNH**: 67950, 67951 - Morok River (002028N 353756E, 1372 m): **ROM**: 75416, 75417 - Mount Nasolot, near (0149N 3518E): **ROM**: 73424, 73425, 73426, 73427, 73428, 73429, 73431, 73433, 73434, 73435, 73436, 73437 - Namanga, near (ca. 023303S 364658E): **AMNH**: 184415 - Ngambo (0030N 3605E, 1036 m): **ROM**: 75466 - Nyangala hill (0337S 3844E): **ROM**: 71180, 71181, 71189, 71208, 71209, 71210, 71211, 71212, 71213, 71214, 71226 - Ortum (0121N 3521E, 1350 m): **ROM**: 38301 - Rift Valley [former] province: **SMF**: 46548, 46549, 46550 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 36432, 36433, 36434, 36491, 40168, 40169, 40170, 40171, 40172, 40175, 40177, 40178, 40179, 48514, 48515, 48516, 48517, 48518, 48519, 48520, 48521, 48522, 48523, 48524, 48525, 48526, 48527, 48528, 48529, 48530; **WAM**: M21238 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152904, 152905, 152906, 152907, 152908, 152909, 152910, 152911, 152912, 152913, 152914; **ROM**: 78430; **WNMU**: 6452 - South-East slope of Mount Elgon (ca. 0108N 3433E, 1829 m): **FMNH**: 67953, 67954, 67955 - Turkwell Gorge (0154N 3522E): **ROM**: 40209, 40213, 40214, 73313 - Turkwell Gorge (0154N 3522E, 930 m): **ROM**: 65509, 65511, 65518, 65519, 65520, 65523, 65527, 65528, 65530 - Turkwell river (0240N 3521E): **ROM**: 73439, 73440, 73441, 73442, 73443, 73444, 73445, 73446, 73448 - Voi, 30 km SE (0334S 3846E): **ROM**: 77513, 77514, 77515 - Wangala Station (033608S 384952E): **ROM**: 68097.

Malawi:

Mbalame Mountain (14 09 S 33 53 E): **ZMA**: MAM.28373, MAM.28374, MAM.28375, MAM.28376 - Nkhotakota (12.93S 34.3E): **NHMZ**: 20211.

Mozambique:

Manica (18.93S 32.88E): **CZL**: 4800507.

South Sudan:

Ikoto (0406N 3306E): **FMNH**: 78489, 78490, 79572 - Ikoto (0406N 3306E, 671 m): **FMNH**: 79574, 79575 - Katire (0405N 3246E): **FMNH**: 73883, 74145, 74146.

Tanzania:

Unknown locality: **SMF**: 85457, 85458; **ZMB**: T09485 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **ZMB**: T09281 - Langenburg [=?Ikombe] (09 31 S 34 05 E): **ZMB**: T09291 - Tanga region: **SMF**: 82500.

Uganda:

Budongo (013839N 313554E): **AMS**: M.29821.

Zambia:

Unknown locality: **BMNH**: 1968.249.

Zimbabwe:

Chikupu [=Chikupo] Caves (17 23 S 31 17 E): **NHMZ**: 59904 - Chikwarakwara, Pesu R Gorge (22.28S 31.2E): **NHMZ**: 60017 - Chirisa SA, Magurazino R (17.62S 28.37E): **NHMZ**: 64819 - Dibutibu R, Batoka (17.94S 26.12E): **NHMZ**: 29729 - Guhudza Mountain, Chivi (20.58S 30.67E): **NHMZ**: 29640 - Harare (17.83S 31.07E): **NHMZ**: 59933 - Hwange NP, Main Camp (18.73S 26.95E): **NHMZ**: 59907 - Lundi [= Runde] R (21.38S 32.38E): **HZM**: 4.4521 - Lutope-Ngolangola R Confluence (18.28S 28.08E): **NHMZ**: 33620 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **NHMZ**: 59973 - Save-Lunde R Confluence, Marhumbini (21.28S 32.38E): **NHMZ**: 31357.

Chaerephon chapini J.A. Allen, 1917

Angola:

Capelongo (1428S 1618E, 1448 m): **AMNH**: 85527 - Chitado (17.38S 13.88E): **IICA**: 6005 - Dundo (0724S 2047E, 726m): **FMNH**: 66532 - Mavoio (06.2S 15.01E): **NHMZ**: 62517 - Oncocua (16.63S 13.38E): **IICA**: 6046.

Botswana:

Selinda Spillway (18.62S 23.37E): **NHMZ**: 62618 - Xugana (19.08S 23.1E): **USNM**: 518727 - Xugana (1905S 2306E, 975 m): **USNM**: 518726 - Xugana, 13 mi [=17 km] N (1857S 2253E, 975 m): **USNM**: 518728, 518729, 518730, 518731, 518732, 518733, 518734.

Cameroon:

Pont Rouge (10 35 47.7 N 14 18 54.1 E, 402 m): **LZUM**: BFEM 113 .

Congo (Democratic Republic of the):

Banana (060100S 122400E, 0 m): **RBINS**: 14535 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 48841 (Holotype *Chærephon (Lophomops) chapini*), 49209 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RBINS**: 14536.

Ethiopia:
Unknown locality: **SMF**: 45730.

Ghana:
Damango, near (09 15 N 01 45 W): **ROM**: 60207, 60210.

Kenya:
Endebess (0104N 3451E): **ROM**: 67959 - Ortum (0121N 3521E): **ROM**: 65846 - Ortum (0121N 3521E, 1036 m): **ROM**: 68114.

Namibia:
Omega (18.05S 22.18E): **SMW**: 9899 - Ukualukasi (1732S 1437E, 3400 ft): **BMNH**: 1925.12.4.24 (Holotype *Chaerephon (Lophomops) shortridgei*).

Rwanda:
Masha (01 35 33 S 29 19 47 E, 2085 m): **RBINS**: 22466.

South Sudan:
0640N 2841E: **ROM**: 68202, 68203, 68204, 68205, 68208, 68211, 68214.

Uganda:
Bunyoro (0145N 3135E, 1071 m): **ROM**: 46733.

Zambia:
Livingstone (17 51 00 S 25 52 00 E, 3030 ft): **KM**: 3732 - Luangwa Valley (12.75S 32.08E): **LACM**: 70045 - Mblundu River: **BMNH**: 1952.1505, 1952.1506 - Ndanda School (14.75S 23.75E): **NHMZ**: 33070.

Zimbabwe:
Unknown locality: **BMNH**: 1952.1508 - Chirisa SA, Magurazino R (17.62S 28.37E): **NHMZ**: 64821 - Hostes Nicoll Research Institute (1810S 2813E): **ROM**: 79890, 79891 - Lunzi River: **BMNH**: 1937.12.8.25 (Holotype *Chærephon lancasteri*) - Sengwa Wildlife Research Station (1810S 2813E): **TM**: 34905, 34906, 34947 - Sengwe (18 10 S 28 13 E): **ROM**: 87420, 87421.

Chaerephon gallagheri (Harrison, 1975)

Congo (Democratic Republic of the):
Scierie Forest (03 10 S 25 49 E): **BMNH**: 1976.207.

Chaerephon jobimena Goodman and Cardiff, 2004

Madagascar:
Unknown locality: **UADBA**: 43585, 43586, 43587 - Grotte d'Andrafiabe, forêt près (12 55 54 S 49 03 24 E, 50 m): **FMNH**: 169716 (Holotype *Chaerephon jobimena*) - Isalo National Park (22.46434 S 45.26207 E): **FMNH**: 175992.

Chaerephon leucogaster (A. Grandidier, 1869)

Cameroon:
Pont Rouge (10 35 47.7 N 14 18 54.1 E, 402 m): **LZUM**: BFEM 042 .

Central African Republic:
Loango: **AMNH**: 54266.

Chad:
Bébédjia (08 41 00 N 16 34 00 E, 397 m): **AMNH**: 217043, 217693, 217694, 217695, 217696, 217697, 217698 - Fort Archambault (09 09 00 N 18 23 00 E, 347 m): **AMNH**: 165813 - Lai (092343N 161756E, 361 m): **AMNH**: 165814.

Congo:
Brazzaville (04 15 33 S 15 17 05 E, 155 m): **AMNH**: 120301, 120302, 120303, 120346, 120347, 120348, 120349, 120350, 120357 - Brazzaville, near (ca. 041530S 151700E): **AMNH**: 120296, 120297, 120298 - Mouyondzi (035926S 135452E, 383 m): **AMNH**: 120291, 120292, 120293, 120294, 120295, 120339, 120340, 120341, 120342 - N'Gabi (031253S 161025E, 151 m): **AMNH**: 120306.

Congo (Democratic Republic of the):
Boende (00 13 S 20 52 E, 371 m): **FMNH**: 222431, 222432, 222433, 222434, 222440, 222441, 222442, 222443, 222472, 222473, 222474, 222629 - Boma (0551S 1303E, 61 m): **AMNH**: 48844 (Holotype *Chærephon (Lophomops) cristatus*), 49216, 49237, 49259 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86949 - Malela (05 59 00 S 12 37 00 E, 2 m): **AMNH**: 49210, 49211, 49212, 49214, 49215, 49217, 49218, 49220, 49221, 49223, 49226, 49227, 49229, 49261, 49263, 49268, 49269, 49270, 49271, 49273, 49274, 49275 (Holotype *Chærephon frater*), 49276; **MCZ**: 17219 (Topotype *Chærephon frater*), 17221 (Topotype *Chærephon frater*).

Côte d'Ivoire:
Ouangofétini (0934N 0403W, 312 m): **ROM**: 84962, 84963, 84964, 84965, 86074, 86075, 86076, 86077, 86078, 86079, 86080.

Ethiopia:
Melka Were (0919N 4007E, 810 m): **ROM**: 71949, 71967, 71979, 71983, 71985, 71992, 71993, 71994, 71999, 72004, 72010, 72011, 72012, 72029, 72033, 72034, 72035, 72036, 72037, 72038, 72039, 72041.

Ghana:
Accra (05 33 N 00 13 W, 98 m): **ROM**: 55185 - Achimota (05 37 N 00 14 W, 82 m): **ROM**: 55091, 55092, 55098, 55099, 55100, 55101, 55102, 55103, 55104, 55105, 55106, 55107, 55108, 55109, 55110, 55111, 55112, 55113, 55115, 55116, 55117, 55118, 55119, 55120, 55121, 55122, 55123, 55124, 55125, 55139 - Doyum (05 54 N 00 01 E, 46 m): **ROM**: 60234, 60250, 60254, 60256, 60264, 60265, 60267 - MomPort (07 04 N 01 24 W, 385 m): **ROM**: 51630 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **ROM**: 49103, 52045, 62353.

Madagascar:
Unknown locality: **FMNH**: 218120, 218141; **UADBA**: 11293, 31848, 31933, 32431, 32434, 33650, 33663, 43469, 43471, 47122, 47129, 48157, 50309, 50310, 50312, 50322, 50326, 50327 - Ambanja, 6 km SE (1341S 4827E): **USNM**: 341800, 341801, 341802 - Ambohimahavelona (2326S 4354E): **FMNH**: 85240 - Antanimbary (1711.036S 4651.000E): **FMNH**:

184899 - Antsiranana province: **FMNH**: 176330 - Belo sur Mer (20 44.139 S 44 00.266 E, 10 m): **FMNH**: 176137 (Neotype *Nyctinomus leucogaster*) - Belo Tsiribihina (19 42 01 S 44 32 51 E): **FMNH**: 221451, 221452, 221453, 221455, 221457, 221458; **UADBA**: 33648 - Boeni (15 54 S 45 56 E, 44 m): **MNHN**: ZM-MO-1991-1861, ZM-MO-1991-1862, ZM-MO-1991-1864, ZM-MO-1991-1865 - Cascade d'Antanamarina (15 34 34 S 46 52 09 E): **FMNH**: 221387; **UADBA**: 32931, 32932 - Hellville, 3 km E (ca. 1324S 4916E): **USNM**: 339646 - Mahabo (20 23 00 S 44 40 00 E, 57 m): **UADBA**: 33652, 33656, 33657, 33658, 33659, 33661, 33662, 33664, 33665 - Mahajanga (1542.778S 4618.752E): **FMNH**: 184608 - Mahajanga, N of (15 40 05 S 46 19 19 E): **FMNH**: 217995, 217997, 217998, 217999; **UADBA**: 50319, 50320, 50323, 50325, 50329 - Marovoay: **MNHN**: ZM-MO-1991-1863 - Meratanana: **FMNH**: 74207 - Nosy Be (1321.095S 4811.307E): **FMNH**: 188496 - Nosy Be (1321.099S 4811.307E): **FMNH**: 188497, 188498, 188499, 188500 - Nosy Be (1322.012S 4818.927E): **FMNH**: 187751, 187753, 187754, 187755, 187756 - Nosy Be (1324.254S 4816.425E): **FMNH**: 188495 - Nosy Be (1324.308S 4818.201E): **FMNH**: 187750, 187752 - Nosy Komba (1326.562S 4820.874E): **FMNH**: 188640, 188641, 188642, 188643, 188644 - Toliara (2323.704S 4343.219E): **FMNH**: 184237, 184239, 184240 - Toliara (2323.704S 4343.219E, 20 m): **FMNH**: 184245 - Toliara province: **SMF**: 78118 - Tuléar airport (23 23 S 43 43 E): **ROM**: 42658, 42659, 42660, 42661, 42662, 42663, 42664, 42665, 42666, 42667, 42668, 42669, 42670, 42671, 42672, 42673, 42685, 42686, 42687, 42688, 42689, 42690, 42691, 42692, 42693, 42695, 42696, 42697, 42698, 42699, 42700, 42701 - Unknown locality (1542.778S 4618.752E): **FMNH**: 184604, 184605, 184606, 184607 - Unknown locality (1554.245S 4635.873E): **FMNH**: 185020, 185021, 185022, 185027, 185028, 185029, 185030 - Unknown locality (1606.961S 4645.400E): **FMNH**: 184975, 184976, 184977, 184978, 184979 - Unknown locality (1620.229S 4650.794E): **FMNH**: 184955, 184956, 184957, 184958, 184959 - Unknown locality (1624.807S 4645.876E): **FMNH**: 184973, 184974 - Unknown locality (1626.173S 4709.329E): **FMNH**: 184950, 184951, 184952, 184953, 184954 - Unknown locality (1642.062S 4604.304E): **FMNH**: 184922, 184923, 184924, 184925, 184926 - Unknown locality (1657.452S 4649.433E): **FMNH**: 184915, 184916, 184917, 184919, 184920 - Unknown locality (1711.000S 4650.947E): **FMNH**: 184896, 184897 - Unknown locality (1711.036S 4651.000E): **FMNH**: 184898, 184900, 184901, 184902 - Unknown locality (2209.418S 4801.009E): **FMNH**: 185228 - Unknown locality (2254.546S 4431.574E): **FMNH**: 184259, 184263, 184264 - Unknown locality (2323.704S 4343.219E): **FMNH**: 184238.

Mali:

Bourem (16 59 N 00 20 W): **MNHN**: 736a (Holotype *Chærophon (Lophomops) nigri*) - Bourèm (162150N 032018W): **AMNH**: 90390 (Paratype *Chærophon (Lophomops) nigri*).

Mayotte:

Coconi (1250S 4508E, 90 m): **FMNH**: 194019, 194023, 194028.

Nigeria:

Unknown locality: **BMNH**: 1891.5.5.3, 1891.5.5.4, 1893.1.7.4, 1893.1.7.5, 1899.8.24.14, 1899.8.24.15, 1899.8.24.16, 1916.11.6.1 - Mokwa (0917N 0503E, 87 m): **ROM**: 77731 - Pandam (09 15 N 07 50 E, 525 m): **ROM**: 79171, 79172, 79173, 79174, 79175 - Samaru (1110N 0738E, 730 m): **ROM**: 74214, 74215 - Yola: **BMNH**: 1908.10.6.8 (Holotype *Chœrephon websteri*).

Sierra Leone:

Makeni (0857N 1202W): **ROM**: 51048.

Tanzania:

Kipangani village (0458S 3943E, 12 m): **FMNH**: 192817, 192818, 192819, 192820, 192821, 192822, 192823, 192887, 192888, 192889, 192890, 192891, 192892, 192893 - Kiwengwa (0559S 3923E): **FMNH**: 198094, 198095, 198096, 198154, 198155, 198156, 198157, 198158 - Pemba island (04 34.200S 39 25.200E, 12 m): **FMNH**: 192886 - Zanzibar (06 10 S 39 20 E): **FMNH**: 198091, 198092, 198093, 198149, 198150, 198151, 198152, 198153.

Zambia:

Limulunga (150600S 230900E, 1024 m): **AMNH**: 115962, 115963, 115964, 115965, 115966, 115967, 115968, 115969, 115970, 115971, 115972, 115973, 115974, 115975, 115976, 115977, 115978, 115979, 115980, 115981, 115982, 115983, 115984, 115985, 115986, 115987, 115988, 115989, 115990, 115991, 115992, 115993, 115994, 115995, 115996, 115997, 115998, 115999, 116000, 116001, 116002, 116003, 116004, 118497, 118498, 118499, 118500, 118501, 118502, 118503, 118504, 118505, 118506, 118507, 118508, 118509, 118510, 118511 - Livingstone (17 51 00 S 25 52 00 E, 3030 ft): **AMNH**: 116005.

Chaerephon major (Trouessart, 1897)

"Africa":

Unknown locality: **BMNH**: 1849.2.8.36.

Burkina Faso:

Unknown locality: **SMF**: 61020, 61021, 61022, 61023, 61024, 61025, 61026, 61027, 61028, 61029, 61030 - Nobere, 1.5 km S (1136N 0118W): **ROM**: 79853 - Nobere, 12 km S (ca. 1137N 0118W): **ROM**: 79854 - Pétoye (14 35 00 N 00 22 00 W, 303 m): **USNM**: 452890, 452894, 452895, 452896, 452897, 452898, 452899, 452900, 452901, 452902, 452903, 452904, 452905, 452906, 452907, 452908, 452909, 452910, 452911, 452912, 452913, 452914, 452915, 452916, 452917, 452918, 452919, 452920, 452921, 452922, 452923, 452924, 452925, 452926, 452927, 452928, 452929, 452930, 452931, 452932, 452933, 452934.

Cameroon:

Mizao (10 35 58.8 N 14 18 44.4 E, 403 m): **LZUM**: BFEM 123 - Mokolo - Mayo Louti (10 42 00 N 13 44 00 E): **RMCA**: 73.015-M-0289, 73.015-M-0736, 73.015-M-0737, 73.015-M-0738 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0739, 73.015-M-0740, 73.015-M-0741, 73.015-M-0742, 73.015-M-0743, 73.015-M-0744, 73.015-M-0745, 73.015-M-0746, 73.015-M-0747, 73.015-M-0748, 73.015-M-0749, 73.015-M-0750, 73.015-M-0751, 73.015-M-0752, 73.015-M-0753, 73.015-M-0754, 73.015-M-0755, 73.015-M-0756, 73.015-M-0757, 73.015-M-0758, 73.015-M-0759, 73.015-M-0760, 73.015-M-0761, 73.015-M-0762, 73.015-M-0763, 73.016-M-0509, 73.016-M-0510, 73.016-M-0511, 73.016-M-0512, 73.016-M-0513, 73.016-M-0514, 73.016-M-0515, 73.016-M-0516, 73.016-M-0517, 73.016-M-0518, 73.016-M-0519, 73.016-M-0520, 73.016-M-0521, 73.016-M-0522, 73.016-M-0523, 73.016-M-0524, 73.016-M-0525, 73.016-M-0526, 73.016-M-0527, 73.016-M-0528, 73.016-M-0529, 73.016-M-0530, 73.016-M-0531, 73.016-M-0532, 73.016-M-0533, 73.016-M-0534, 73.016-M-0535, 73.016-M-0536, 73.016-M-0537, 73.016-M-0538, 73.016-M-0539, 73.016-M-0540, 73.016-M-0541, 73.016-M-0542, 73.016-M-0543, 73.016-M-0544, 73.016-M-0545, 73.016-M-0546, 73.016-M-0547, 73.016-M-0548, 73.016-M-0549, 73.016-M-0550, 73.016-M-0551, 73.016-M-0601, 73.016-M-0602, 73.016-M-0603, 73.016-M-0604, 73.016-M-0605, 73.016-M-0606, 73.016-M-0607, 73.016-M-0608, 73.016-M-0609,

73.016-M-0610, 73.016-M-0611, 73.016-M-0612, 73.016-M-0613, 73.016-M-0614, 73.016-M-0615, 73.016-M-0616, 73.016-M-0617, 73.016-M-0618, 73.016-M-0619, 73.016-M-0620, 73.016-M-0621, 73.016-M-0622, 73.016-M-0623, 73.016-M-0624, 73.016-M-0625, 73.016-M-0626, 73.016-M-0627, 73.016-M-0628, 73.016-M-0629, 73.016-M-0630, 73.016-M-0631, 73.016-M-0632, 73.016-M-0633, 73.016-M-0634, 73.016-M-0635, 73.016-M-0636, 73.017-M-0273, 73.017-M-0274, 73.017-M-0379, 73.017-M-0380, 73.017-M-0381, 73.017-M-0382, 73.017-M-0383, 73.017-M-0384, 73.017-M-0385, 73.017-M-0386, 73.017-M-0696, 73.017-M-0697, 73.017-M-0698, 73.017-M-0699, 73.017-M-0700, 73.017-M-0701, 73.017-M-0702, 73.017-M-0703, 73.017-M-0704, 73.017-M-0705, 73.017-M-0706, 73.017-M-0707, 73.017-M-0708, 73.017-M-0709, 73.017-M-0710, 73.017-M-0711, 73.017-M-0712, 73.017-M-0713, 73.017-M-0724 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.016-M-0552.

Central African Republic:

Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-2000-1009.

Congo (Democratic Republic of the):

Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 48840, 48867, 48869, 48870, 48871, 48872, 48873, 48875, 48876, 48877, 48878, 48879, 48880, 48881, 48882, 48883, 48884, 48885, 48886, 48887 (Holotype *Chærephon (Lophomops) abæ*), 51257, 51258, 51259, 51260, 51261, 51262, 51263, 51264, 51265, 51266, 51267; **MCZ**: 17389; **RMCA**: 12365 - Biadimbi (04 13 00 N 29 21 00 E): **RBINS**: 13783.1, 13783.2; **RMCA**: 36895 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 48836, 48838, 52119; **MCZ**: 17388; **RMCA**: 12364 - Mbandaka (00 04 00 N 18 16 00 E, 306 m): **RBINS**: 22467 - Nagero (03 45 00 N 29 31 00 E, 753 m): **RMCA**: 36894, 36896, 36897, 36898 - Nagero (03 45 N 29 31 E, 753 m): **RBINS**: 14630 - Rwindi (00 47 05 S 29 17 26 E, 1027 m): **MHNG**: 1874.059 - Tandala (02 58 00 N 19 21 00 E, 456 m): **MHNG**: 1870.098, 1870.099, 1870.100, 1871.001; **USNM**: 463518, 463519, 463520, 463521, 537748, 537749, 537750, 537752.

Ghana:

Unknown locality: **BMNH**: 1950.1548, 1950.1550, 1950.1551, 1963.361, 1965.700, 1965.701, 1966.5577 - Doyum (05 54 N 00 01 E, 46 m): **ROM**: 60229, 60230, 60231, 60235, 60238 - Shai Hills (05 54 30 N 00 03 41 E): **ROM**: 55153 - Subinja (07 44 N 02 04 W, 290 m): **USNM**: 420089, 420090, 420091, 420092, 420093, 420094, 420095, 420096, 420097, 420098 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **ROM**: 51640, 51641, 51642, 51643, 51644, 51645, 51646, 52046, 52047, 62351, 62352 - Yabraso (0804N 0147W): **USNM**: 424975, 424976, 424977, 424978, 424979, 424980, 424981, 424982, 424983, 424984, 424985, 424986, 424987, 424988.

Liberia:

Unknown locality: **BMNH**: 1979.521 - Elwa Swamp (ca. 0614N 1042W): **AMNH**: 257070, 257071, 257072, 257073, 257074, 257075, 257076, 257077 - Grassfield (07 29 20 N 08 34 15 W, 530 m): **RMCA**: 80.036-M-0034, 80.036-M-0035, 80.036-M-0036, 80.036-M-0037, 80.036-M-0038, 80.036-M-0069.

Mali:

Bamako (123900N 080000W, 349 m): **MNHN**: ZM-MO-1960-540 - Sotuba (1236N 0755W): **FMNH**: 42141, 42142, 42143, 42144, 42694 - Ticufales or Tieufola cave (ca. 12 39 N 08 00 W): **MNHN**: ZM-MO-1960-534 - Timbuktu (16 46 00 N 003 01 00 W, 261 m): **BMNH**: 1932.7.4.1.

Niger:

Bolsi, 6 km NW (1320N 0112E): **MVZ**: 154325 - Zinder (13 48 N 08 59 00E, 479 m): **FMNH**: 44721.

Nigeria:

Unknown locality: **BMNH**: 1961.88, 1961.89, 1966.6041 - Igbetti (08 44 57 N 04 07 52 E, 508 m): **BMNH**: 1962.445 - Yelwa (0704N 1105E, 1500m): **SMNS**: 41347, 41348, 41349, 41350; **ZFMK**: 1988.0103, 1988.0104, 1988.0105, 1988.0106.

South Sudan:

Gondokoro (0454N 3140E): **USNM**: 166688 - Lafon (0505N 3229E, 549 m): **FMNH**: 67333 - Malakal (09 32 13 N 31 39 22 E, 276 m): **FMNH**: 99241, 99242, 99243, 99244, 99245, 99246, 99247, 99249, 99250; **ZMA**: MAM.20441 - Mount Otogo, summit (035738N 303506E, 3650 ft): **AMNH**: 118584 - Tungu, mount (04 20 37 N 29 58 38 E): **RBINS**: 13784 - Wau (074200N 280000E): **MSU**: MR.33462, MR.33463, MR.33464, MR.33465, MR.33466, MR.33467, MR.33468, MR.33469, MR.33470, MR.33471, MR.33472, MR.33476, MR.33477, MR.33478, MR.33479, MR.33480, MR.33481, MR.33482, MR.33483, MR.33484, MR.33485, MR.33486, MR.33487, MR.33488, MR.33489, MR.33490, MR.33491, MR.33492, MR.33493, MR.33494, MR.33495, MR.33496, MR.33497, MR.33498, MR.33499, MR.33500, MR.33619.

Sudan:

Unknown locality: **BMNH**: 1850.1.7.6, 1976.1905_1, 1976.1905_2; **MSU**: MR.33700 - An Nil al Azraq state: **SMF**: 32609 - El Obeid (13 11 N 30 13 E, 609 m): **SMF**: 32564, 32565, 32566, 32567 - Wad Medani (14 24 N 33 32 E, 414 m): **SMF**: 32599, 32600, 32601, 32602, 32603, 32604, 32605, 32606, 32607, 32608, 32610.

Tanzania:

Unknown locality: **BMNH**: 1924.1.1.50, 1924.1.1.51, 1924.1.1.52, 1924.1.1.53, 1964.1829, 1964.1830, 1964.1831, 1964.1832 - "Mosambiro", but actually Usambiro: **BMNH**: 1890.6.8.15 (Holotype *Nyctinomus Emini*) - Muansa [=Mwanza] (02 31 S 32 54 E, 1209 m): **MCZ**: 22820, 22821.

Togo:

Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.011-M-0668, 73.011-M-0669, 73.011-M-0670, 73.011-M-0671, 73.011-M-0672, 73.011-M-0673, 73.013-M-0589, 73.013-M-0590, 73.013-M-0591, 73.013-M-0592, 73.013-M-0593, 73.013-M-0594, 73.013-M-0595, 73.013-M-0596, 73.013-M-0773, 73.013-M-0774, 73.013-M-0775, 73.013-M-0776, 73.013-M-0777, 73.013-M-0778, 73.013-M-0779, 73.013-M-0780, 73.013-M-0781, 73.013-M-0782, 73.013-M-0783, 73.013-M-0784, 73.013-M-0785, 73.013-M-0786, 73.013-M-0787, 73.013-M-0788, 73.013-M-0789, 73.013-M-0790, 73.013-M-0791, 73.013-M-0792, 73.013-M-0793, 73.013-M-0794, 73.013-M-0795, 73.013-M-0796, 73.013-M-0797, 73.013-M-0798, 73.013-M-0799, 73.013-M-0800, 73.013-M-0811, 73.013-M-0812, 73.013-M-0813, 73.013-M-0814, 73.013-M-0815, 73.013-M-0816, 73.013-M-0817, 73.013-M-0818, 73.013-M-0819, 73.013-M-0820, 73.013-M-0821, 73.013-M-0822, 73.013-M-0823, 73.013-M-0824, 73.013-M-0825, 73.013-M-0826, 73.013-M-0827, 73.013-M-0828, 73.013-M-0829, 73.013-M-0830, 73.013-M-0831, 73.013-M-0832, 73.013-M-0833, 73.013-M-0834 - Atakpamé (07 32 00 N 01 08 00 E, 376 m): **RMCA**: 73.009-M-0449, 73.009-M-0450, 73.009-M-0451, 73.054-M-1546, 73.054-M-1547, 73.054-M-1548, 73.054-M-1549, 73.054-M-1550, 73.054-M-1551, 73.054-M-1552, 73.054-M-1553, 73.054-M-1554, 73.054-M-1555, 73.054-M-1556, 73.054-M-1557, 73.054-M-1558, 73.054-M-1559, 73.054-M-1560, 73.054-M-1561, 73.054-M-1562, 73.054-M-1563, 73.054-M-1564, 73.054-M-1565, 73.054-M-1566, 73.054-M-1567, 73.054-M-1568, 73.054-M-1569, 73.054-M-1570, 73.054-M-1571, 73.054-M-1572, 73.054-M-1573, 73.054-M-1574, 73.054-M-1575, 73.054-M-1576, 73.054-M-1577, 73.054-M-1578, 73.054-M-1579, 73.054-M-1580, 73.054-M-1581, 73.054-M-1582, 73.054-M-1583, 73.054-M-1584, 73.054-M-1585, 73.054-M-1586, 73.054-M-1587, 73.054-M-1588, 73.054-M-1589,

73.054-M-1590, 73.054-M-1591, 73.054-M-1592, 73.054-M-1593, 73.054-M-1594, 73.054-M-1595, 73.054-M-1596, 73.054-M-1597, 73.054-M-1598, 73.054-M-1599, 73.054-M-1600, 73.054-M-1601, 73.054-M-1602, 73.054-M-1603, 73.054-M-1604, 73.054-M-1605, 73.054-M-1606, 73.054-M-1607, 73.054-M-1608, 73.054-M-1609, 73.054-M-1610, 73.054-M-1611, 73.054-M-1612, 73.054-M-1613, 73.054-M-1614, 73.054-M-1615, 73.054-M-1616, 73.054-M-1617, 73.054-M-1618, 73.054-M-1619, 73.054-M-1620, 73.054-M-1621, 73.054-M-1622, 73.054-M-1623, 73.054-M-1624, 73.054-M-1625, 73.054-M-1626, 73.054-M-1627, 73.054-M-1628, 73.054-M-1629, 73.054-M-1630, 73.054-M-1631, 73.054-M-1632, 73.054-M-1633, 73.054-M-1634, 73.054-M-1635, 73.054-M-1636, 73.054-M-1637, 73.054-M-1638, 73.054-M-1639, 73.054-M-1640, 73.054-M-1641, 73.054-M-1642, 73.054-M-1643, 73.054-M-1644, 73.054-M-1645, 73.054-M-1646, 73.054-M-1647, 73.054-M-1648, 73.054-M-1649, 73.054-M-1650, 73.054-M-1651, 73.054-M-1652, 73.054-M-1653, 73.054-M-1654, 73.054-M-1655, 73.054-M-1656, 73.054-M-1657, 73.054-M-1658, 73.054-M-1659, 73.054-M-1660, 73.054-M-1661, 73.054-M-1662, 73.054-M-1663, 73.054-M-1664, 73.054-M-1665, 73.054-M-1666, 73.054-M-1667, 73.054-M-1668, 73.054-M-1669, 73.054-M-1670, 73.054-M-1671, 73.054-M-1672, 73.054-M-1673, 73.054-M-1674, 73.054-M-1675, 73.054-M-1676, 73.054-M-1677, 73.054-M-1678, 73.054-M-1679, 73.054-M-1680, 73.054-M-1681, 73.054-M-1682, 73.054-M-1683, 73.054-M-1684, 73.054-M-1685, 73.054-M-1686, 73.054-M-1687, 73.054-M-1688, 73.054-M-1689, 73.054-M-1690, 73.054-M-1691, 73.054-M-1692, 73.054-M-1693, 73.054-M-1694, 73.054-M-1695, 73.054-M-1696, 73.054-M-1697, 73.054-M-1698, 73.054-M-1699, 73.054-M-1700, 73.054-M-1701, 73.054-M-1702, 73.054-M-1703, 73.054-M-1704, 73.054-M-1705, 73.054-M-1706, 73.054-M-1707, 73.054-M-1708, 73.054-M-1709, 73.054-M-1710, 73.054-M-1711, 73.054-M-1712, 73.054-M-1713, 73.054-M-1714, 73.054-M-1715, 73.054-M-1716, 73.054-M-1717, 73.054-M-1718, 73.054-M-1719, 73.054-M-1720, 73.054-M-1721, 73.054-M-1722, 73.054-M-1723, 73.054-M-1724, 73.054-M-1725 - Ebéva (07 31 00 N 01 05 00 E, 212 m): **RMCA**: 73.069-M-0447, 73.069-M-0448, 73.069-M-0449, 73.069-M-0450, 73.069-M-0451, 73.069-M-0452 - Mango (10 21 33 N 00 28 15 E, 134 m): **RMCA**: 73.013-M-0801, 73.013-M-0802, 73.013-M-0803, 73.013-M-0804, 73.013-M-0805, 73.013-M-0806, 73.013-M-0807, 73.013-M-0808, 73.013-M-0809, 73.013-M-0810 - Péwa (09 17 00 N 01 14 00 E, 618 m): **USNM**: 437830, 437831, 437832, 437833, 437834, 437835, 437836, 437837, 437838, 437839, 437840, 437841, 437842, 437843, 437844, 437845, 437846, 437847, 437848, 437849, 437850, 437851, 437852, 437853, 437854, 437855, 437856, 437857, 437858, 437859, 437860, 437861, 437862, 437863, 437864, 437865, 437866, 437867, 479833, 479866, 479910, 479911, 479912, 479913, 479914, 479919, 480081, 480082, 480083, 480084, 480085, 480159 - Sansanné-Mango (10 21 33 N 00 28 15 E, 134 m): **RMCA**: 73.009-M-0452, 73.009-M-0453, 73.009-M-0454, 73.009-M-0455, 73.009-M-0456, 73.009-M-0457, 73.009-M-0458, 73.009-M-0459, 73.009-M-0460, 73.009-M-0461, 73.009-M-0488, 73.009-M-0515, 73.009-M-0516, 73.009-M-0517, 73.009-M-0518, 73.009-M-0519, 73.009-M-0520, 73.009-M-0521.

Uganda:

Unknown locality: **BMNH**: 1963.1, 1963.2, 1963.3.

Zambia:

Nsumbu, N Lake Bangweulu (08.52S 30.48E): **BMNH**: 1926.1215.

Zimbabwe:

Unknown locality: **BMNH**: 1926.12.1.5, 1926.12.1.6.

Chaerephon nigeriae Thomas, 1913

"Africa":

Unknown locality: **MNHN**: ZM-2005-578; **USNM**: 518702, 518722.

Angola:

Dundo (0722S 2050E, 726m): **MDL**: 5168, 5169, 5218b.

Benin:

Park W[est] (ca. 12 00 N 02 50 E): **ZMA**: MAM.19183.

Botswana:

Four Rivers Camp (19.12S 23.12E): **NHMZ**: 54117 - Makalamabedi Resource Area (20.37S 23.87E): **NHMZ**: 63879 - Sehitwa, 22 km W (20.58S 22.53E): **NHMZ**: 6387s - Selinda Spillway (18.62S 23.37E): **NHMZ**: 63878 - Serowe,40 km NW (22.0S 26.29E): **NHMZ**: 63876 - Xugana (19.08S 23.1E): **USNM**: 518698 - Xugana (1905S 2306E, 975 m): **USNM**: 518699, 518700, 518701, 518723, 518724, 518725 - Xugana, 13 mi [=17 km] N (1857S 2253E, 975 m): **USNM**: 518703, 518704.

Central African Republic:

Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1984-1584, ZM-MO-1984-1585, ZM-MO-1984-1586, ZM-MO-1984-1587, ZM-MO-1984-1588, ZM-MO-1984-1589, ZM-MO-1984-1590, ZM-MO-1984-1591, ZM-MO-1984-1592, ZM-MO-1984-1593, ZM-MO-1984-1594, ZM-MO-1984-1595, ZM-MO-1984-1596, ZM-MO-1984-1597, ZM-MO-1984-1598, ZM-MO-1984-1599, ZM-MO-1984-1600, ZM-MO-1984-1602, ZM-MO-1984-1603, ZM-MO-1984-1604, ZM-MO-1984-1605, ZM-MO-1984-1606, ZM-MO-1984-1607, ZM-MO-1984-1608, ZM-MO-1984-1609, ZM-MO-1984-1610, ZM-MO-1984-1611, ZM-MO-1984-1612, ZM-MO-1984-1613, ZM-MO-1984-1614, ZM-MO-1984-1615, ZM-MO-1984-1616, ZM-MO-1984-1617, ZM-MO-1984-1618, ZM-MO-1984-1619, ZM-MO-1984-1620, ZM-MO-1984-1621, ZM-MO-1984-1622, ZM-MO-1984-1623, ZM-MO-1984-1624, ZM-MO-1984-1625, ZM-MO-1984-1626, ZM-MO-1984-249 - Boukoko (035400N 175600E): **MNHN**: ZM-MO-1984-195, ZM-MO-1984-196, ZM-MO-1984-197, ZM-MO-1984-198, ZM-MO-1984-199, ZM-MO-1984-200, ZM-MO-1984-201, ZM-MO-1984-227 - Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-1984-1639, ZM-MO-1984-1640, ZM-MO-1984-1641, ZM-MO-1984-1642, ZM-MO-1984-1643, ZM-MO-1984-229, ZM-MO-1984-230, ZM-MO-1984-231, ZM-MO-1984-232, ZM-MO-1984-233, ZM-MO-1984-234, ZM-MO-1984-235, ZM-MO-1984-236, ZM-MO-1984-237, ZM-MO-1984-238 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1996-596 - Uam (0618N 1622E): **ZMB**: 31498, 31499, 31500.

Congo (Democratic Republic of the):

Elisabethville (11 40 S 27 26 E, 1209 m): **RBINS**: 18511 - Elisabethville (114000S 272600E, 1209 m): **RMCA**: 16191 - Imbonga (00 43 00 S 19 46 00 E, 364 m): **RMCA**: 87.043-M-0002 - Kabongo (071900S 253500E, 918 m): **RMCA**: 21480, 21482 - Katanga (ca. 10 00 S 27 30 E): **MNHN**: ZM-MO-1957-132 A, ZM-MO-1957-132 B - Kisiushi (110300S 273000E): **RMCA**: 33279 - Lubumbashi (11 40 00 S 27 28 00 E, 1208 m): **SMF**: 16881 - Musosa, near (08 22 S 29 38 E): **RBINS**: 14534 - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 463522, 537751.

Côte d'Ivoire:

Unknown locality: **SMF**: 92003, 92004, 92005, 92006, 92071.

Ethiopia:

Unknown locality: **BMNH**: 1970.507 - Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189514, S-189515 - Koka (08 26 N 39 02 E, 1700 m): **USNM**: 462763 - Melka Were (0919N 4007E, 810 m): **ROM**: 71965, 71975, 71976, 71977, 71978, 72025.

Kenya:

Kalama (01 36 00 S 37 20 00 E): **RMCA**: 35574, 35575, 35578, 35579 - Muumandu (01 35 S 37 21 E): **RMCA**: 35265a.

Namibia:

Eiseb R (20.63S 20.63E): **SMW**: 12427 - Grootfontein, 40 km WNW (19.38S 17.88E): **LACM**: 41684 - Grootfontein, NE (19.5S 18.2E): **SMW**: 13704 - Kwetche, Kavango R (18.13S 21.63E): **SMW**: 12620 - Makuri pan, 9 km W (1941S 2039E): **TM**: 39798 - Makuri Pan, Bushmanland (19.63S 20.63E): **SMW**: 11349 - Nama pan [=Nama dam] (1955S 2043E): **TM**: 39799, 39800 - Nama Pan, Bushmanland (19.92S 20.72E): **SMW**: 11354 - Omega (18.05S 22.18E): **SMW**: 9900 - Otavi, 8 km S (18.3S 13.77E): **LACM**: 56351 - Rundu, 66 km S (18.53S 20.83E): **LACM**: 58955 - Rundu, 66 km S, 113 km E: **AMNH**: 245638, 245639 - San Michelle (17.88S 23.38E): **SMW**: 13605.

Niger:

Tahaoua (14 54 N 05 16 E): **SMF**: 51655, 51656, 51657, 51658, 51659, 51660, 51661, 51662 - Tapoa (12 29 31 N 02 21 36 E, 225 m): **UCM**: 15192 - Tapoa, 21 km E (12 30 N 02 33 E): **UCM**: 15184.

Nigeria:

Unknown locality: **BMNH**: 1911.3.22.2, 1947.352, 1947.353, 1947.354, 1950.30, 1950.819, 1950.820, 1950.821, 1950.822, 1952.117, 1952.118, 1952.119_1, 1952.120, 1953.31, 1953.704, 1953.705, 1953.707, 1960.430, 1960.431, 1984.883 - Enugu state: **SMF**: 92091 - Zaria province: **BMNH**: 1911.3.22.1 (Holotype *Chærephon nigeriæ*).

South Africa:

Farm Regina 68 [=V.L.N.R.] (222248S 291612E): **TM**: 45417 - Gasdrift, Nabas: **TM**: 42498 - Mount Moreland (29 38 33 S 31 05 37 E, 34 m): **DNSM**: 7061 - Ndumu Police Station (2654S 3215E): **NM**: 567 - Pinetown (29 49 S 30 51 E, 359 m): **DNSM**: 5340.

South Sudan:

0640N 2841E: **ROM**: 68199, 68200, 68209, 68210 - Yambio (0434N 2821E): **ROM**: 72087, 72092, 72093, 72102.

Tanzania:

Unknown locality: **BMNH**: 1964.1930, 1964.1931 - Serengeti National Park (02 20 S 34 50 E): **SMF**: 43652, 43653.

Uganda:

Kampala (00 18 56 N 32 33 56 E, 1202 m): **BMNH**: 1947.14.

Zambia:

Balovale (13 33 00 S 23 07 00 E, 1090 m): **MMK**: MAM/1025 - Kasama (10.22S 31.17E): **KM**: 9663 - Lochinvar (15 55 S 27 15 E): **NMZL**: 2876 - Luakera River (11 36 S 24 31 E): **SMF**: 37916 - Muozj [=Mwoji] R. (12.38S 24.38E): **BMNH**: 1955.1084 - Mwinilunga (1121S 2415E, 4700 ft): **AMNH**: 89785 - Ndanda School (14.75S 23.75E): **NHMZ**: 33073 - Pwira Pan (13.87S 27.87E): **NHMZ**: 62503 - Pwira Pan (1354S 2751E): **NHMZ**: 22677, 22807 - Senenga, 50 km NE (15.62S 23.37E): **NHMZ**: 33083.

Zimbabwe:

Unknown locality: **BMNH**: 1937.1.4.6, 1937.1.4.7, 1937.1.4.8, 1937.1.4.9, 1946.527, 1946.528, 1946.529, 1946.530, 1946.531, 1946.532, 1946.533, 1946.534, 1946.535, 1946.537, 1946.538, 1946.539, 1955.1086, 1955.1087 - Benzje's Bridge, Shangani R. (18.81S 27.9E): **NHMZ**: 33608 - Chirisa SA, Magurazjno R. (17.62S 28.37E): **NHMZ**: 64822 - Hostes Nicoll Research Institute (1810S 2813E): **ROM**: 70985, 70986, 70991, 70992, 70993, 70994, 70996, 77538, 84019; **TTU**: 47991 - Lake Kariba, Kanyati Camp (16.87S 28.87E): **NHMZ**: 31746 - Lake Mcllwaine (17.9S 30.78E): **NHMZ**: 59898 - Lutope-Ngoiangola R Confluence (18.28S 28.08E): **NHMZ**: 33606 - Mana Pools-NP, Rukameshi River on SN Game Fence (1543S 2925E): **TM**: 45058 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 59900; **TM**: 34978 - Urungwe Safari Area (16.31S 29.45E): **TM**: 45067 - Volunteer Farm, Main Camp (18.82S 27.63E): **NHMZ**: 32019.

Chaerephon nigeriae nigeriae Thomas, 1913

Benin:

Segbana (1056N 0342E): **USNM**: 421517.

Congo (Democratic Republic of the):

Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 12949, 12950, 12951, 12952 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 48842.

Ghana:

Yabraso (0804N 0147W): **USNM**: 424999.

Nigeria:

Unknown locality: **BMNH**: 1977.473 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **USNM**: 378866.

Sierra Leone:

Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547043, 547044.

Chaerephon nigeriae spillmanni (Monard, 1933)

Angola:

Unknown locality: **BMNH**: 1963.1053; **RMNH**: MAM.35881.

Congo (Democratic Republic of the):

Kabongo (071900S 253500E, 918 m): **BMNH**: 1954.836; **RMCA**: 21481 - Kinke (112700S 272900E, 1287 m): **BMNH**: 1957.434; **MHNG**: 923.008; **RMCA**: 26288, 26289, 26291, 26292, 26293, 26294, 26295 - Kitubulushi (124400S 285600E, 1257 m): **RMCA**: 22462, 22463, 22464, 22465 - Musonge (11 28 00 S 27 52 00 E, 1183 m): **RMCA**: 26290 - Sakania (124500S 283400E, 1278 m): **BMNH**: 1954.837, 1954.838, 1954.839.

Malawi:

Chintheche (11 05 00 S 34 10 00 E, 482 m): **RMCA**: 95.003-M-0056.

Zambia:

Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115944, 115945, 115946, 115947, 115948, 115949, 115950, 115951, 115952, 115953, 115954, 115955, 115956, 115957, 115958, 115959, 115960, 115961 - Lochinvar (15 55 S 27 15 E): **NMZL**: 2877, 2972 - Luakela River (113600S 243100E): **AMNH**: 89180, 89181, 89182, 89183, 89184, 89185, 89186,

89187, 89188, 89189, 89190, 89191, 89192, 89193, 89194, 89195, 89196, 89197, 89198, 89199, 89200; **USNM**: 304842 - Muozi Stream, near: **BMNH**: A-1471 - Solwezi Boma (1211S 2624E, 1366 m): **BMNH**: A-1559, A-1561, A-1562; **USNM**: 304846.

Zimbabwe:

Unknown locality: **BMNH**: 1937.1.4.10, 1937.1.4.11.

Chaerephon pumilus (Cretzschmar, 1826)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1864-462, ZM-MO-1864-463, ZM-MO-1864-A.485 A, ZM-MO-1864-A.485 B, ZM-MO-1864-A.485 C, ZM-MO-1864-A.485 D, ZM-MO-1864-A.485 E, ZM-MO-1884-1534, ZM-MO-1884-1535, ZM-MO-1884-1536, ZM-MO-1884-1537, ZM-MO-1891-421, ZM-MO-1911-2292, ZM-MO-1983-2019, ZM-MO-1984-1113, ZM-MO-1985-260; **MZUSP**: 15238, 15239, 15240, 15241, 15242; **RMCA**: 18115; **TM**: 2396; **ZMUC**: CN2321, CN2323, CN2324, CN2326 - Igo Island: **MNHN**: ZM-MO-1911-723 - Lealné district: **MNHN**: ZM-MO-1920-110 - Mafouta village: **MNHN**: ZM-MO-1984-1183, ZM-MO-1984-1184, ZM-MO-1984-1185, ZM-MO-1984-1186, ZM-MO-1984-1187 - Urundi: **CAS**: 12518, 12519, 12538.

Angola:

Unknown locality: **BMNH**: 1904.4.9.145, 1904.4.9.28, 1909.10.1.12, 1935.1.6.48, 1935.1.6.49, 1935.1.6.50, 1935.1.6.51, 1935.1.6.52, 1935.1.6.53, 1935.1.6.54, 1935.1.6.55, 1935.1.6.56 - Cacuaco (085018S 131404E): **IICA**: 33 - Cunga (0922S 1337E): **USNM**: 18799, 18800, 18801, 18802, 18803, 18804, 18805, 18806 - Gabela (10 52 48 S 14 22 48 E): **NHMZ**: 62518 - Hanha (1215S 1343E): **AMNH**: 85531, 85533 - Mucoso (0940S 1423E, 130 m): **FMNH**: 83607, 83608, 83609, 83610, 83611, 83612, 84054, 84055, 84056, 84057, 84058, 84059, 84060, 84061, 84062, 84063, 84064, 84065, 84066, 84067, 84068, 84069, 84070, 84071, 84072, 84073, 84074, 84075, 84076, 84077, 84078, 84079, 84080, 84081, 84082, 84083, 84084, 84085 - Mumbondo (10 07 S 17 07 E): **IICA**: 4726.

Benin:

"Dahomey": **MNHN**: ZM-MO-1912-447 - Bodjecali (11 48 34 N 03 22 59 E, 252 m): **ZMA**: MAM.22448 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 421523, 421524, 421525, 421526, 421527, 421528, 421529, 421530, 421531, 421532, 421533, 421534 - Kétou (0722N 0236E, 112 m): **USNM**: 421539, 421540, 421541, 421542, 421543, 421544, 421545, 421546, 421547, 421548, 479837 - Kpodave (06 49 N 01 46 E): **USNM**: 439075, 439076, 439077, 439078, 439079, 439080, 439081, 439082, 439083, 439084, 439085, 439086, 439087, 439088, 439089, 439090, 439091, 439092, 439093, 439094, 480088 - Nikki (0956N 0313E): **USNM**: 479836 - Parakou (09 21 N 02 37 E, 324 m): **USNM**: 421538 - Porga (1102N 0058E): **USNM**: 439024, 439025, 439026, 439027, 439028, 439029, 439030, 439031, 439032, 439033, 439034, 439035, 439036, 439037, 439038, 439039, 439040, 439041, 439042, 439043, 439044, 439045, 439046, 439047, 439048, 439049, 439050, 439051, 439052, 439053, 439054, 439055, 439056, 439057, 439058, 439059, 439060, 439061, 439062, 439063, 477451, 477452, 477453, 477454, 477455, 477456, 477457, 477458, 477459, 477460, 477461, 477462, 477463, 477464, 477465, 477466, 477467, 477468, 477469, 477470, 477471, 477472, 477473, 477474, 477475, 477476, 477477, 477478, 477479, 477480, 477481, 477482, 477483, 477484, 477485, 477486, 477487, 477488, 477489, 477490, 477491, 477492, 477493, 477494, 477495, 477496, 477497, 477498, 477499, 479810, 479811, 479812, 479813, 479814, 479815, 479816, 479817, 479818, 479819, 479820, 479821, 479822, 479823, 479824, 479825, 479826, 479827, 479828, 479829, 479830, 479831, 479832, 479838, 479839, 479840, 479841, 479842, 479843, 479844, 479845, 479846, 479847, 479848, 479849, 479850, 479851, 479852, 479853, 479854, 479855, 479856, 479857, 479858, 479859, 479860, 479861, 479862, 479863, 479864, 479865, 479915, 479916, 479917, 479955, 479956, 479957, 479958, 479959, 479960, 479961, 479962, 479963, 479964, 479965, 479966, 479967, 479968, 479969, 479970, 479971, 479972, 479973, 479974, 479975, 479976, 479977, 479978, 479979, 479980, 479981, 479982, 479983, 479984, 479985, 479986, 479987, 479988, 479989, 479990, 479991, 479992, 479993, 479994, 479995, 479996, 479997, 479998, 479999, 480000, 480001, 480002, 480003, 480004, 480005, 480006, 480007, 480008, 480009, 480010, 480011, 480012, 480013, 480014, 480015, 480016, 480017, 480018, 480019, 480020, 480021, 480022, 480023, 480024, 480025, 480026, 480027, 480028, 480029, 480030, 480031, 480032, 480033, 480034, 480035, 480036, 480037, 480038, 480039, 480040, 480041, 480042, 480043, 480044, 480045, 480046, 480047, 480048, 480049, 480050, 480051, 480052, 480053, 480054, 480055, 480056, 480057, 480058, 480059, 480060, 480061, 480062, 480063, 480064, 480065, 480066, 480067, 480068, 480069, 480070, 480071, 480072, 480073, 480074, 480075, 480076, 480077, 480078, 480079, 480080, 480101, 480102, 480103, 480104, 480105, 480106, 480107, 480108, 480109, 480110, 480111, 480112, 480113, 480114, 480115, 480116, 480117, 480118, 480119, 480120, 480121, 480122, 480123, 480124, 480125, 480126, 480127, 480128, 480129, 480130, 480131, 480132, 480133, 480134, 480135, 480136, 480137, 480138, 480139, 480140, 480141, 480142, 480143, 480144, 480145, 480146, 480147, 480148, 480149, 480150, 480151, 480152, 480153, 480154, 480155, 480156, 480157 - Porto-Novo (0629N 0237E, 38 m): **MCZ**: 46110, 46111, 46112 - Segbana (1056N 0342E): **USNM**: 421535, 421536, 421537 - Soubroukou (0941N 0138E): **USNM**: 439064, 439065, 439066, 439067, 439068, 439069 - Whedda (06 45 00 N 02 28 00 E): **RMCA**: 34986, 34987, 34988, 34989, 34990, 34991, 34992 - Zizonkame (0755N 0201E): **USNM**: 439070, 439071, 439072, 439073, 439074.

Botswana:

Chobe NP, Kasane (17.8S 25.15E): **NHMZ**: 6920; **ROM**: 39291, 39292, 39316, 65047, 91484, 91485, 91486, 93757, 93758, 93759, 93760, 93761, 93762, 93763, 93764; **USNM**: 367775, 367776, 367777, 382696, 382697, 382698, 382699, 425373, 425374, 425375, 425376, 425377, 425378, 425379, 425380, 425381, 425382, 425383, 425384, 425385, 425386, 425387, 425388, 425389, 575930, 575931, 575932, 575933, 575934, 575935, 575936, 575937, 575938, 575939, 575940, 575941, 575942, 575943 - Chobe NP, Serondela (17.87S 24.87E): **NHMZ**: 62720 - Chobe-NP, Tsotsoroga Pan (1843S 2421E): **TM**: 6554 (Holotype *Choerephon (Lophomops) langi*) - Four Rivers Camp (19.12S 23.12E): **NHMZ**: 54113 - Kasane (1749S 2508E, 708 m): **AMNH**: 213055, 213056, 213057, 213058, 213059, 213060, 213061 - Kasungula (174814S 251429E): **ROM**: 39313 - Maun (19 59 S 23 25 E, 927 m): **AMNH**: 168174, 168175, 168176, 168177, 168178, 168179, 168180, 168181, 168182, 168183, 168184, 168185, 168186, 168187, 168188, 168189, 168190, 168191, 168192, 168193, 168194, 168195, 168196, 168197, 168198, 168199, 168200, 168201, 168202, 168203, 168204, 168205, 168206, 168207, 168208, 168209, 168210, 168211, 168212, 168213, 168214, 168215, 168216, 168217, 168218, 168219, 168220, 168221, 168222, 168223, 168224, 168225, 168226, 168227, 168228, 168229, 168230, 168231, 168232, 168233, 168234, 168235, 168236, 168237, 169479, 218985, 218986, 218987, 218988, 218989, 218990, 218991, 218992, 218993, 218994; **KU**: 41268, 41269; **MNHN**: ZM-MO-1969-38, ZM-

MO-1969-39; **MVZ**: 118030, 118031, 118032, 118033, 118034, 118035, 118036, 118037, 118038, 118039; **ROM**: 62638, 62639, 65046, 65048, 65049, 65050, 65051, 65052, 65053, 65054, 65055, 65056, 65057, 65058, 65059, 91488, 91489, 91490, 91491; **USNM**: 367778, 367779, 367780, 367781, 367782, 367783, 367784, 367785, 367786, 367787, 367788, 367789, 367790, 367791, 367792, 367793, 367794, 367795, 367796, 367797, 367798, 367799, 367800, 367801 - Maun,12 km NE (19.87S 23.12E): **NHMZ**: 63886 - Ngamiland: **AMNH**: 217130 - Nokaneng, 15 mi N (1925S 2216E): **USNM**: 575929 - Nokaneng, 21 km N (19.42S 22.27E): **USNM**: 367818 - Savuti R. (18.62S 24.12E): **NHMZ**: 63915 - Selinda Spillway (1835S 2333E): **ROM**: 91487 - Seronga, 72 km ESE (190656S 214844E, 1000 m): **ROM**: 62634, 62635, 62636, 62637 - Shakawe (18 21 S 21 52 E, 983 m): **AMNH**: 217112, 217113, 217114, 217115, 217116, 217117, 217118, 217119, 217120, 217121, 217122, 217123, 217124, 217125, 217126, 217127, 217128, 217129 - Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S (18 33 S 21 02 E): **USNM**: 425372 - Shishikofa (18.25S 23.25E): **NHMZ**: 80222 - Sumsum (19.12S 23.12E): **NHMZ**: 54115 - Tsau (20.15S 22.43E): **USNM**: 367807 - Tsau (2009S 2227E, 958 m): **FMNH**: 80929; **USNM**: 367802, 367803, 367804, 367805, 367806, 367808, 367809, 367810, 367811, 367812, 367813, 367814, 367815, 367816, 367817, 367842, 367843 - Tsodllo Hills (18.87S 21.62E): **NHMZ**: 62734 - Xugana (19.08S 23.1E): **USNM**: 518705 - Xugana (1905S 2306E, 975 m): **USNM**: 518706, 518707, 518708, 518709, 518710, 518711, 518712, 518713, 518714, 518715, 518716, 518717, 518718, 518719, 518720 - Xugana, 13 mi [=17 km] N (1857S 2253E, 975 m): **USNM**: 518721.

Burkina Faso:

Unknown locality: **SMF**: 61033, 61034, 61035 - Arly (11 35 N 01 28 E, 226 m): **USNM**: 450679, 450680, 450681 - Boromo (1145N 0256W, 242 m): **USNM**: 503963, 503964, 503965, 503966, 503967 - Goden (12 12 00 N 02 04 00 W, 308 m): **RMCA**: 97.077-M-3157, 97.077-M-3158; **USNM**: 450682, 450683, 450684, 450685, 450686, 450687, 450688, 450689, 450690, 450691, 450692, 450693, 450694, 450695, 450720, 450721, 450722, 450723, 450724, 450725, 450726, 450727, 450728, 450729, 450730, 450731, 450732, 450733, 450734, 450735, 450736, 450737, 450738, 450739, 450740, 450741, 450742, 450743, 450744, 450745 - Kénédougou province: **SMF**: 61037, 61038, 61039 - Nazinga (Game Ranch) (11 11 06 N 01 29 04 W): **ZMA**: MAM.25126 - Nobéré, 1 km S (1126N 0110W): **AMNH**: 237390, 237391; **ROM**: 79864, 79865, 79867, 79869, 79870; **USNM**: 503957, 503958, 503959, 503960, 503961, 503962 - Nobere, 1.5 km S (1136N 0118W): **ROM**: 79866, 79868 - Nobere, 11 km S (ca. 1137N 0118W): **ROM**: 79873 - Nobere, 12 km S (ca. 1137N 0118W): **ROM**: 79871, 79872 - Nouna (12 44 N 03 52 W, 261 m): **SMF**: 26402 - Park National de Pô (1120N 0110W): **ROM**: 79874 - Soum province: **SMF**: 61031, 61032 - Tatarko (1329N 0020W): **USNM**: 452891, 452892, 452893.

Burundi:

Bujumbura (03 23 00 S 29 22 00 E, 794 m): **RMCA**: 35491 - Bururi (035704S 293700E, 1836 m): **RMCA**: 26564 - Imbo (03 13 S 29 20 E): **MNHN**: ZM-MO-1996-1539 - Kinazi (022300S 295800E): **RMCA**: 21936, 21937, 21938 - Lake Cohoha (0230S 3007E): **SMF**: 57559 - Nyankende (035500S 300000E): **RMCA**: 79.010-M-0010 - Resha (0354S 2924E): **SMF**: 57560, 57561, 57562, 57563, 57564, 57565, 57566 - Russissi, bank [=Rusizi delta] (03 16 S 29 14 E): **RMCA**: 35492 - Usumbura (0323S 2922E, 794 m): **RBINS**: 19926.1, 19926.2, 19926.3, 19926.4.

Cameroon:

Unknown locality: **BMNH**: 1989.742; **MNHN**: ZM-MO-1984-1256 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: T09571, T09572 - Edéa (0348N 1014E): **ZMB**: T10304 - Fort Foureau (12 04 37 N 15 01 50 E, 271 m): **MNHN**: ZM-2007-114 - Koum (08 23 00 N 14 31 00 E, 358 m): **RMCA**: 76.065-M-0019 - Mokolo - Mayo Louti (10 42 00 N 13 44 00 E): **RMCA**: 73.015-M-0822, 73.015-M-0823, 73.015-M-0824, 73.015-M-0825, 73.015-M-0826 - Mokolo (10 44 25 N 13 48 10 E, 760 m): **RMCA**: 73.015-M-0288, 73.015-M-0290, 73.015-M-0792, 73.015-M-0793, 73.015-M-0794, 73.015-M-0795, 73.015-M-0796, 73.015-M-0797, 73.015-M-0798, 73.015-M-0799, 73.015-M-0800, 73.015-M-0801, 73.015-M-0802, 73.015-M-0803, 73.015-M-0804, 73.015-M-0805, 73.015-M-0806, 73.015-M-0807, 73.015-M-0808, 73.015-M-0809, 73.015-M-0810, 73.015-M-0811, 73.015-M-0812, 73.015-M-0813, 73.015-M-0814, 73.015-M-0815, 73.015-M-0816, 73.015-M-0817, 73.015-M-0818, 73.015-M-0819, 73.015-M-0820, 73.015-M-0821 - Nanga-Eboko, 30 km E: **TTU**: 18015, 18016 - Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0605, 73.017-M-0606, 73.017-M-0607, 73.017-M-0608, 73.017-M-0609, 73.017-M-0610, 73.017-M-0611, 73.017-M-0612, 73.017-M-0613, 73.017-M-0614, 73.017-M-0615, 73.017-M-0616, 73.017-M-0617, 73.017-M-0618, 73.017-M-0619, 73.017-M-0620, 73.017-M-0621 - Pont Rouge (10 35 47.7 N 14 18 54.1 E, 402 m): **LZUM**: BFEM 097 - Tibati (06 28 00 N 12 38 00 E, 838 m): **RMCA**: 73.018-M-0241 - Touroua (09 05 00 N 12 58 00 E, 202 m): **RMCA**: 76.014-M-0095, 76.014-M-0096 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0827, 73.015-M-0828, 73.015-M-0829, 73.015-M-0830, 73.015-M-0831, 73.015-M-0832, 73.015-M-0833, 73.015-M-0834, 73.015-M-0835, 73.016-M-0553, 73.016-M-0554, 73.016-M-0555, 73.016-M-0556, 73.016-M-0557, 73.016-M-0558, 73.016-M-0559, 73.016-M-0560, 73.016-M-0561, 73.016-M-0562, 73.016-M-0563, 73.016-M-0564, 73.016-M-0565, 73.016-M-0566, 73.016-M-0567, 73.016-M-0568, 73.016-M-0569, 73.016-M-0570, 73.016-M-0571, 73.016-M-0572, 73.016-M-0573, 73.016-M-0574, 73.016-M-0575, 73.016-M-0576, 73.016-M-0577, 73.016-M-0578, 73.016-M-0579, 73.016-M-0580, 73.016-M-0581, 73.016-M-0582, 73.016-M-0583, 73.016-M-0584, 73.016-M-0585, 73.016-M-0586, 73.016-M-0587, 73.016-M-0588, 73.016-M-0589, 73.016-M-0590, 73.016-M-0591, 73.016-M-0592, 73.017-M-0622, 73.017-M-0623, 73.017-M-0624, 73.017-M-0625, 73.017-M-0626, 73.017-M-0627, 73.017-M-0628, 73.017-M-0629, 73.017-M-0630, 73.017-M-0631, 73.017-M-0632, 73.017-M-0633, 73.017-M-0634, 73.017-M-0635, 73.017-M-0636, 73.017-M-0637, 73.017-M-0638 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0767, 73.015-M-0768, 73.015-M-0769, 73.015-M-0770, 73.015-M-0771, 73.015-M-0772, 73.015-M-0773, 73.015-M-0774, 73.015-M-0775, 73.015-M-0776, 73.015-M-0777, 73.015-M-0778, 73.015-M-0779, 73.015-M-0780, 73.015-M-0781, 73.015-M-0782, 73.015-M-0783, 73.015-M-0784, 73.015-M-0785, 73.015-M-0786, 73.015-M-0787, 73.015-M-0788, 73.015-M-0789, 73.015-M-0790, 73.015-M-0791, 73.016-M-0593, 73.016-M-0594, 73.016-M-0595, 73.016-M-0596, 73.016-M-0597, 73.017-M-0639, 73.017-M-0640, 73.017-M-0641, 73.017-M-0642, 73.017-M-0643, 73.017-M-0644, 73.017-M-0645, 73.017-M-0646, 73.017-M-0647, 73.017-M-0648, 73.017-M-0649, 73.017-M-0650.

Central African Republic:

Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1984-1966, ZM-MO-1984-1967, ZM-MO-1984-1968, ZM-MO-1984-1969, ZM-MO-1984-1970, ZM-MO-1984-1971, ZM-MO-1984-1972, ZM-MO-1984-1973, ZM-MO-1984-1974, ZM-MO-1984-1975, ZM-MO-1984-1976, ZM-MO-1984-1977, ZM-MO-1984-1978, ZM-MO-1984-1979, ZM-MO-1984-1980, ZM-MO-1984-1981, ZM-MO-1984-1982, ZM-MO-1984-1983, ZM-MO-1984-1984, ZM-MO-1984-1985, ZM-MO-1984-1986, ZM-MO-1984-1987, ZM-MO-1984-1988, ZM-MO-1984-1989, ZM-MO-1984-1990, ZM-MO-1984-1991 - Fort Lamy province: **AMNH**: 170177 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-222, ZM-MO-1984-223, ZM-MO-1984-224, ZM-MO-1984-225, ZM-MO-1984-226.

Chad:

Unknown locality: **BMNH**: 1975.2757 - Fort Lamy (12 06 47 N 15 02 57 E, 1962 m): **MNHN**: ZM-MO-1962-1090 - Fort Lamy (120647N 150257E, 298 m): **USNM**: 268494, 268495, 268496 - Logone Occidental region: **SMF**: 42376, 42377, 42378, 42379, 42380 - Melfi (11 03 35 N 17 55 59 E, 390 m): **SMF**: 6395.

Comoros:

Unknown locality: **MNHN**: ZM-MO-1984-1197, ZM-MO-1984-1198 - Chamle Primary School (112641S 431601E, 15 m): **FMNH**: 194200, 194201, 194202, 194203, 194204, 194205, 194206, 194207, 194208, 194209 - Chandra Primary School (121142S 442753E, 410 m): **FMNH**: 194329, 194330, 194331, 194332, 194333, 194334, 194335, 194336, 194337, 194338, 194339, 194340, 194341, 194342, 194445, 194446, 194447, 194448, 194449 - Chirove primary school (1216S 4424E, 5 m): **FMNH**: 194366, 194367, 194377 - Dima Primary School (115311S 432439E, 250 m): **FMNH**: 194219, 194220, 194221, 194222, 194223, 194224, 194225, 194226 - Fomboni (121648S 434433E, 5 m): **FMNH**: 194476 - Fomboni Primary School (121648S 434433E, 5 m): **FMNH**: 194475, 194537 - Hahaia Primary School (113339S 431544E, 15 m): **FMNH**: 194227 - Itsandra (11 40 16 S 43 15 17 E, 154 m): **RMCA**: 90.001-M-0044, 90.001-M-0045, 90.001-M-0046 - Mohoro Cultural Center (114933S 432446E, 240 m): **FMNH**: 194210, 194211, 194212, 194213, 194214, 194215, 194216, 194217, 194218 - Moroni oasis (11 42 15 S 43 14 25 E, 40 m): **FMNH**: 194248, 194249, 194250, 194251, 194252, 194253, 194254, 194255, 194256, 194257, 194258 - Moya primary school (121824S 442616E, 50 m): **FMNH**: 194378, 194379, 194380, 194381, 194382, 194383, 194384, 194385 - Mutsamudu (12 09 46 S 44 24 47 E, 204 m): **RMCA**: 89.040-M-0001 - Ndrondroni (122034S 434056E, 10 m): **FMNH**: 194531 - Nioumachoua Public Primary School (122141S 434255E, 10 m): **FMNH**: 194479, 194480, 194532, 194533 - Ouani College (1208S 4426E, 20 m): **FMNH**: 194343, 194344, 194345, 194346, 194347, 194348, 194349, 194350, 194351, 194352, 194353, 194354, 194355, 194365, 194450, 194451 - Patsi (120920S 442614E, 220 m): **FMNH**: 194323, 194324, 194325, 194326, 194327, 194328 - St Antoine (12 17 00 S 43 40 00 E): **RMCA**: 85.046-M-0011.

Congo:

Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: ZM-MO-1892-1253, ZM-MO-1892-1254, ZM-MO-1892-1255, ZM-MO-1892-1256, ZM-MO-1892-1257, ZM-MO-1892-1258, ZM-MO-1892-1259, ZM-MO-1911-1638, ZM-MO-1984-1190, ZM-MO-1984-1191, ZM-MO-1984-1192, ZM-MO-1984-1193, ZM-MO-1984-1194, ZM-MO-1984-1195, ZM-MO-1984-1200, ZM-MO-1984-1210, ZM-MO-1984-1211, ZM-MO-1984-1372, ZM-MO-1984-1373, ZM-MO-1984-1374, ZM-MO-1984-1375, ZM-MO-1984-1376, ZM-MO-1984-1377, ZM-MO-1984-1378, ZM-MO-1984-1379, ZM-MO-1984-1380, ZM-MO-1985-1383, ZM-MO-1998-1918 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1886-142, ZM-MO-1889-893 - Divenié (02 40 38 S 12 05 08 E, 540 m): **ZMA**: MAM.15730 - Djambala (02 34 41 S 14 45 12 E, 622 m): **FMNH**: 73841, 73842, 73843, 73844, 73845, 73846, 73847 - Milamila (03 43 12 S 12 27 14 E, 252 m): **ZMA**: MAM.15716 - Sounda (04 05 S 12 08 E, 36 m): **ZMA**: MAM.15703, MAM.15704, MAM.15709, MAM.15711.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 77.029-M-0040, 77.029-M-0041, 77.029-M-0042, 77.029-M-0043, 77.029-M-0044, 77.029-M-0045, 77.029-M-0046, 77.029-M-0047, 77.029-M-0048, 77.029-M-0049, 77.029-M-0050, 77.029-M-0051, 77.029-M-0052, 77.029-M-0053, 77.029-M-0054, 77.029-M-0055, 77.029-M-0056, 77.029-M-0057, 77.029-M-0058, 77.029-M-0059, 77.029-M-0060, 77.029-M-0061, 77.029-M-0062, 77.029-M-0063, 77.029-M-0064, 77.029-M-0065, 77.029-M-0066, 77.029-M-0067, 77.029-M-0068, 77.029-M-0069, 77.029-M-0070, 77.029-M-0071, 77.029-M-0072, 77.029-M-0073, 77.029-M-0074, 77.029-M-0075, 77.029-M-0076, 77.029-M-0077, 77.029-M-0078, 77.029-M-0079, 77.029-M-0080, 77.029-M-0081, 77.029-M-0082, 77.029-M-0083, 77.029-M-0084, 77.029-M-0085, 77.029-M-0086, 77.029-M-0087, 77.029-M-0088, 77.029-M-0089, 77.029-M-0090, 77.029-M-0091, 77.029-M-0092, 77.029-M-0093, 77.029-M-0094, 77.029-M-0095, 77.029-M-0096, 77.029-M-0097, 77.029-M-0098, 77.029-M-0099, 77.029-M-0100, 77.029-M-0101, 77.029-M-0102, 77.029-M-0103, 77.029-M-0104, 77.029-M-0105, 77.029-M-0106, 77.029-M-0107, 77.029-M-0108, 77.029-M-0109, 77.029-M-0110, 77.029-M-0111, 77.029-M-0112, 77.029-M-0113, 77.029-M-0114, 77.029-M-0115, 77.029-M-0116, 77.029-M-0117, 77.029-M-0118, 77.029-M-0119, 77.029-M-0120, 77.029-M-0121, 77.029-M-0122, 77.029-M-0123, 77.029-M-0124, 77.029-M-0125, 77.029-M-0126, 77.029-M-0127, 77.029-M-0128, 77.029-M-0129, 77.029-M-0130, 77.029-M-0131, 77.029-M-0132, 77.029-M-0133, 77.029-M-0134, 77.029-M-0135; **RMNH**: MAM.16373; **SMF**: 34273, 34274, 34275, 34276, 34277, 34278, 34279, 34280 - Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V1805, V1844 - Albertville (0556S 2912E, 763 m): **RBINS**: 9071; **RMCA**: 29305, 29306 - Banana (06 01 00 S 12 24 00 E, 0 m): **SMF**: 2530 - Banana (060100S 122400E, 0 m): **RMCA**: 20753, 20754, 20755, 20756, 20757, 20758, 20759, 20760, 20765, 20766, 20767, 20768, 20769, 20770, 20771, 20772, 20773, 20774, 20775, 20776, 20777, 20778, 21378, 21379, 21380, 21381, 21382, 21383; **SMF**: 2527, 2528, 2529 - Bas Congo (former) province (ca. 050000S 150000E): **RMCA**: 66 - Beno (03 37 00 S 17 48 00 E, 281 m): **RMCA**: 19824, 19825 - Bokalakala (020800S 162200E, 252 m): **RMCA**: 28543 - Bolobo (02 09 00 S 16 14 00 E): **RMCA**: 17403, 6577, 6581, 6582, 6583, 6584, 6585, 6586, 6587, 7252, 7253, 7254, 7308 - Boma (0551S 1303E, 61 m): **RMCA**: 12128a, 12128b, 12128c, 12128d, 12128e, 12128f, 12128g, 12128h, 12128i, 12128j, 12129a, 12129b, 12129c, 12129d, 12129e, 12129f, 12129g, 12129h, 12129i, 12129j, 12129k, 12129l, 12129m, 13959, 13960, 13961, 13962, 16202, 16234, 16235, 16253, 16269, 16270, 16491, 22388, 6598, 6604, 6605, 7251, 7301, 7302, 7303, 7719, 7720, 7721, 7722 - Bondo (05 24 00 S 12 54 00 E): **RMCA**: 26918, 26919, 26920, 26921, 26922 - Bongeya river (1350 m): **INPBC**: V264.4 - Boteka (00 20 00 S 19 06 00 E, 333 m): **RMCA**: 85.030-M-0002 - Bukama (09 12 00 S 25 51 00 E, 601 m): **RMCA**: 15251, 15252, 15253, 15254, 15255, 15256, 15257, 15258, 15259, 15260, 15261, 15262, 15263, 15264, 15265, 15266, 15267, 16254 - Bumali (00 21 N 29 45 E, 1300 m): **INPBC**: W138.01, W138.02, W138.03 - Busu Mokalu (02 20 00 N 20 15 00 E): **RMCA**: 18097 - Butembo (0009N 2917E, 1381 m): **RMCA**: 81.049-M-0002 - Eala (00 04 00 N 18 17 00 E, 301 m): **RMCA**: 26285, 5392, 6603 - Elisabethville (114000S 272600E, 1209 m): **RMCA**: 12140 - Epulu (012345N 283440E, 750 m): **RMCA**: 90.031-M-0003 - Equateur province: **RMCA**: 88.044-M-0001, 88.044-M-0002, 88.044-M-0003, 88.044-M-0004, 88.044-M-0005, 88.044-M-0006, 88.044-M-0007, 88.044-M-0008, 88.044-M-0009, 88.044-M-0010, 88.044-M-0011, 88.044-M-0012 - Farm 'des grands bois' (10 58 00 S 26 44 00 E, 1318 m): **RMCA**: 33985 - Ganda-Sundi (04 52 00 S 12 52 00 E, 294 m): **RMCA**: 33263, 33264, 33265, 33266, 33267, 33269, 33270, 33271, 33272, 33273, 33274, 33275, 33278 - Irangi (0154S 2827E): **SMF**: 65039 - Ishango river (00 08 S 29 36 E, 950 m): **INPBC**: V1176.043, V1176.044, V1176.045, V1176.046, V1176.047, V1176.048, V1176.049, V1176.050, V1176.051, V1176.052, V1176.053, V1176.054, V1176.055, V1176.056, V1176.057, V1176.058, V1176.059, V1176.060, V1176.061, V1176.062, V1176.063, V1176.064, V1176.065, V1176.066, V1176.067, V1176.068, V1176.069, V1176.070, V1176.071, V1176.072, V1176.073, V1176.074, V1176.075, V1176.076, V1176.077, V1176.078, V1176.079, V1176.080, V1176.081, V1176.082, V1176.083, V1176.084, V1176.085, V1176.086, V1176.087, V1176.088, V1176.089, V1176.090, V1176.091, V1176.092, V1176.093, V1176.094, V1176.095, V1176.096, V1176.097, V1176.098, V1176.099, V1176.100, V1176.101, V1176.102, V1176.103, V1176.104, V1176.105, V1176.106, V1176.107, V1176.108, V1176.109, V1176.110, V1176.111, V1176.112, V1176.113, V1176.114, V1176.115, V1176.116, V1176.117, V1176.118,

V1176.119, V1176.120, V1176.121, V1176.122, V1176.123, V1176.124, V1176.125, V1176.126, V1176.127, V1176.128, V1176.129, V1176.130, V1176.131, V1176.132, V1176.133, V1176.134, V1176.135, V1176.136, V1176.137, V1176.138, V1176.139, V1176.140, V1176.141, V1176.142 - Ishango River (080000S 293600E, 950 m): **RMCA**: 35460, 35461, 35462, 35463, 35464, 35465, 35466, 35467, 35468, 35469, 35470, 35471, 35472, 35473, 35474, 35475, 35476, 35477, 35478, 35479, 35480, 35481, 35482, 35483, 35484, 35485, 35486, 35487, 35488, 35489, 35490, 82.031-M-0002, 82.031-M-0003, 82.031-M-0004 - Ituri ht: **RMCA**: 3387 - Kabakuli river (00 27 N 29 44 E, 1500 m): **INPBC**: W253 - Kabalo (06 03 00 S 26 55 00 E, 530 m): **FMNH**: 29429; **RMCA**: 9164, 9165, 9167, 9168, 9169, 9170, 9171, 9172, 9904 - Kahitumba (Mutaka): **RMNH**: MAM.16374, MAM.16375, MAM.16376, MAM.16377, MAM.16378, MAM.16379, MAM.16380, MAM.16381, MAM.16382 - Kalina (04 22 00 S 15 17 00 E, 128 m): **RMCA**: 20102, 21416, 21417, 21418a, 21418b, 21419, 21420 - Kambukabakali (00 01 00 S 29 36 00 E, 930 m): **RMCA**: 37383 - Kamponde (06 42 00 S 22 56 00 E, 829 m): **RMCA**: 33372, 33375, 33378, 33379 - Kapolowe (11 02 00 S 26 57 00 E, 1135 m): **SMF**: 21313 - Kapushia (1041S 2252E, 965 m): **FMNH**: 152991 - Kasenyi (0124N 3026E, 671 m): **INPBC**: W1389; **RBINS**: 14537, 14538, 14539, 14540, 14541, 14543, 14544, 14545, 14546, 14547, 14549, 14550, 14551, 14552, 14553, 14554, 14555, 14556, 14557; **RMCA**: 19099, 23297, 37382 - Kashiobwe (093900S 283700E, 918 m): **RMCA**: 26282, 26283, 26284, 26286; **SMF**: 16877 - Kashiobwe mission (093900S 283700E, 918 m): **RMCA**: 26227, 26266 - Kasongo (04 27 00 S 26 40 00 E, 625 m): **RMCA**: 16201, 29166, 29308 - Katanga (ca. 10 00 S 27 30 E): **RMCA**: 424 - Kawa (forest) (0134N 3032E, 753 m): **RMCA**: 23296, 81.012-M-0062 - Keyberg (11 43 00 S 27 25 00 E): **RMCA**: 26287 - Kidada (05 22 00 S 14 32 00 E): **RMCA**: 6578, 6588, 6589 - Kikwit (05 03 44 S 18 52 38 E, 438 m): **MSB**: 274579, 274580, 274581, 274582, 274583, 274589, 274590, 274591, 274592, 274593, 274595, 274596, 274597, 274598, 274599, 274600, 274607, 274608, 274609, 274610, 274611, 274612, 274615, 274616, 274617, 274618, 274619, 274620, 274623, 274624, 274625, 274626, 274627, 274628, 274629, 274630, 274631, 274632, 274633, 274634, 274639, 274640, 274641, 274642; **RMCA**: 97.021-M-0642, 97.021-M-0643, 97.021-M-0644, 97.021-M-0645, 97.021-M-0646, 97.021-M-0647, 97.021-M-0648, 97.021-M-0649, 97.021-M-0650, 97.021-M-0651, 97.021-M-0652, 97.021-M-0653, 97.021-M-0654, 97.021-M-0655, 97.021-M-0656, 97.021-M-0657, 97.021-M-0658, 97.021-M-0659, 97.021-M-0660, 97.021-M-0661, 97.021-M-0662, 97.021-M-0663, 97.021-M-0664, 97.021-M-0665, 97.021-M-0666, 97.021-M-0667, 97.021-M-0668, 97.021-M-0669, 97.021-M-0670, 97.021-M-0671, 97.021-M-0672, 97.021-M-0673, 97.021-M-0674, 97.021-M-0675, 97.021-M-0676, 97.021-M-0677, 97.021-M-0678, 97.021-M-0679, 97.021-M-0680, 97.021-M-0681, 97.021-M-0682, 97.021-M-0683, 97.021-M-0684, 97.021-M-0685, 97.021-M-0686, 97.021-M-0687 - Kikwit ITPK (05 03 44 S 18 52 38 E, 438 m): **MSB**: 274882 - Kinzambi mission (04 58 38 S 18 46 28 E, 312 m): **MSB**: 274858, 274859, 274860, 274861, 274863, 274864, 274865, 274866, 274867, 274869, 274870, 274871, 274872; **RMCA**: 97.021-M-0688, 97.021-M-0689, 97.021-M-0690, 97.021-M-0691, 97.021-M-0692, 97.021-M-0693, 97.021-M-0694, 97.021-M-0695, 97.021-M-0718, 97.021-M-0719, 97.021-M-0720, 97.021-M-0721, 97.021-M-0722, 97.021-M-0723, 97.021-M-0724, 97.021-M-0725, 97.021-M-0726 - Kisantu (050700S 150500E, 421 m): **RMCA**: 11956, 6599, 6600, 6601, 6602, 6606, 7300a, 7304, 7305, 7306, 7307 - Kivu region: **SMF**: 33527 - Ko[g]enga: **BMNH**: 1954.831, 1954.832, 1954.833 - Kondue (river) (04 57 00 S 23 21 00 E): **RMCA**: 3435, 3436 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 12002, 15516, 7256, 7438, 7439, 7658, 7659, 7751, 8166, 8167, 8168, 8169, 8170, 8171, 9709, 9710 - Kwamouth (03 10 00 S 16 12 00 E, 146 m): **RMCA**: 6570b - Lemba plain (04 18 00 S 15 18 00 E): **RMCA**: 16272 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 1532a, 1532b, 1533a, 1533b, 1534, 1535, 17657, 17658, 17659, 17660, 18125, 18126, 18130, 32636, 32637, 32658; **USNM**: 21668, 21669, 21670, 21671, 21672, 21673, 21674, 21675 - Lovanium university (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 31202, 32633, 32634, 32635 - Lulimbi (00 28 00 S 29 39 00 E): **RMCA**: 77.029-M-0006, 77.029-M-0007, 77.029-M-0008, 77.029-M-0009, 77.029-M-0010, 77.029-M-0011, 77.029-M-0012, 77.029-M-0013, 77.029-M-0014, 77.029-M-0015, 77.029-M-0016, 77.029-M-0017, 77.029-M-0018, 77.029-M-0019, 77.029-M-0020, 77.029-M-0021, 77.029-M-0022, 77.029-M-0023, 77.029-M-0024, 77.029-M-0025, 77.029-M-0026, 77.029-M-0027, 77.029-M-0028, 77.029-M-0029, 77.029-M-0030, 77.029-M-0031, 77.029-M-0032, 77.029-M-0033, 77.029-M-0034, 77.029-M-0035, 77.029-M-0036, 77.029-M-0037, 77.029-M-0038, 77.029-M-0039, 77.029-M-0136, 77.029-M-0137, 77.029-M-0138, 77.029-M-0139, 77.029-M-0140, 77.029-M-0141, 77.029-M-0142, 77.029-M-0143, 77.029-M-0144, 77.029-M-0145, 77.029-M-0146, 77.029-M-0147, 77.029-M-0148, 77.029-M-0149, 77.029-M-0150, 77.029-M-0151, 77.029-M-0152, 77.029-M-0153, 77.029-M-0154, 77.029-M-0155, 77.029-M-0156, 77.029-M-0157, 77.029-M-0158, 77.029-M-0159, 77.029-M-0160, 77.029-M-0161, 77.029-M-0162, 77.029-M-0163, 77.029-M-0164, 77.029-M-0165, 77.029-M-0166, 77.029-M-0167, 77.029-M-0168, 77.029-M-0169, 77.029-M-0170, 77.029-M-0171, 77.029-M-0172, 77.029-M-0173, 77.029-M-0174, 77.029-M-0175, 77.029-M-0176, 77.029-M-0177, 77.029-M-0178, 77.029-M-0179, 77.029-M-0180, 77.029-M-0181, 77.029-M-0182, 77.029-M-0183, 77.029-M-0184, 77.029-M-0185, 77.029-M-0186, 77.029-M-0187, 77.029-M-0188, 77.029-M-0189, 77.029-M-0190, 77.029-M-0191, 77.029-M-0192, 77.029-M-0193, 77.029-M-0194, 77.029-M-0195, 77.029-M-0196, 77.029-M-0197, 77.029-M-0198, 77.029-M-0199, 77.029-M-0211, 77.029-M-0212, 77.029-M-0213, 77.029-M-0214, 77.029-M-0215, 77.029-M-0216, 77.029-M-0217, 77.029-M-0218, 77.029-M-0219, 77.029-M-0220, 77.029-M-0221, 77.029-M-0222, 77.029-M-0223, 77.029-M-0224, 77.029-M-0225, 77.029-M-0226, 77.029-M-0227, 77.029-M-0228, 77.029-M-0229, 77.029-M-0230 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 31561, 31562, 31563, 31564, 31565, 31570, 33350, 7543a - Mabwe (08 39 00 S 26 31 00 E, 574 m): **RBINS**: 10711, 10712, 10713 - Makaia N'Tete (05 33 00 S 13 02 00 E): **RMCA**: 16236, 16237, 16238, 16239, 16240, 16241, 16242, 16259, 6579, 6580, 6590, 6591, 6592, 6593, 6594, 6595, 6596, 6597 - Makaw (03 29 00 S 18 19 00 E, 315 m): **RMCA**: 27499, 27500 - Makengo (04 46 00 S 16 19 00 E, 611 m): **RMCA**: 18152, 18153, 18154, 18155, 18156, 18157, 18158, 18159 - Maleli (04 20 N 29 37 E): **RBINS**: 13781 - Mangbwelu river (00 21 N 29 44 E, 1300 m): **INPBC**: W240c - Manono (07 18 S 27 25 E, 664 m): **HZM**: 127.7821, 143.7954 - Manono Katanga (071800S 272500E, 664 m): **RMCA**: 22000, 22001 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0347, 93.079-M-0348, 93.079-M-0349, 93.079-M-0350, 93.079-M-0351, 93.079-M-0352, 93.079-M-0353, 93.079-M-0354 - Mbalaka (plantation) (05 00 00 S 18 53 00 E): **MSB**: 274827 - Mbuji-Mayi (06 09 S 23 36 E, 549 m): **FMNH**: 152992 - Mbwambala (05 03 00 S 18 55 00 E): **MSB**: 274613 - Moliro (08 13 00 S 30 34 00 E, 764 m): **RMCA**: 161 - Mount Wago (014500N 304000E, 2240 m): **BMNH**: 1953.493, 1953.494, 1953.495; **RBINS**: 21653, 21654, 21655, 21656; **RMCA**: 20786, 20787, 21450, 21451, 21452, 21453, 21454, 21465, 81.012-M-0078, 81.012-M-0079, 81.012-M-0080, 81.012-M-0081, 81.012-M-0082, 81.012-M-0083, 81.012-M-0084, 81.012-M-0085, 81.012-M-0086, 81.012-M-0087, 81.012-M-0088, 81.012-M-0089, 81.012-M-0090, 81.012-M-0092, 81.012-M-0096, 81.012-M-0100 - Mulongo (07 50 S 27 00 E, 578 m): **HZM**: 128.7930, 129.7931, 130.7932, 131.7933, 132.7934, 133.7935, 134.7936, 135.7937, 136.7938, 137.7939, 138.7940, 139.7941, 140.7942, 141.7943, 142.7944 - Musingi (07 36 00 S 24 33 00 E, 894 m): **RMCA**: 38521, 38522, 38523, 38524, 38525, 38526, 38527, 38528, 38529, 38530 - Mvuazi (05 19 00 S 15 07 00 E, 547 m): **RMCA**: 17757 - Nagero (03 45 00 N 29 31 00 E, 753 m): **RMCA**: 36889, 36890 - Nagero (03 45 N 29 31 E, 753 m): **RBINS**: 13782.1, 13782.2, 13782.3, 13782.4 - Né, mount (014200N 303900E): **RMCA**: 20509 (Holotype *Tadarida (Chaerephon) faini*), 23298 - Ngeze Kidoko (01 16

N 30 25 E, 650 m): **RBINS**: 14548 - Ngwiro (00 43 00 S 29 26 00 E): **RMCA**: 37381 - Nionga (08 35 S 26 18 E): **RMCA**: 9231, 9232, 9233 - Rwindi (00 47 05 S 29 17 26 E, 1027 m): **INPBC**: V1545, W231 - Sacred Heart mission (05 01 43 S 18 50 47 E): **MSB**: 274873, 274874, 274875, 274876, 274877, 274878, 274879, 274880, 274881; **RMCA**: 97.021-M-0727, 97.021-M-0728, 97.021-M-0729, 97.021-M-0730, 97.021-M-0731, 97.021-M-0732, 97.021-M-0733, 97.021-M-0734, 97.021-M-0735, 97.021-M-0736 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 15376, 7171 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 283 - Thysville (051500S 145200E, 604 m): **BMNH**: 1954.821, 1954.822, 1954.823, 1954.824, 1954.825, 1954.826, 1954.827, 1954.828, 1954.829, 1954.830; **RMCA**: 21618, 22515, 22516, 22517, 22518, 22519, 22520, 22521, 22522, 22523, 22524, 22525, 22526, 22527, 22528, 22529, 22530, 22531, 22532, 22533, 22534, 22535, 22536, 22537, 22538, 22539, 22540, 22541, 22542, 22543, 22544, 22545, 22546, 22547, 22548, 22549, 22550, 22551, 22552, 22553, 22554, 22555, 22556, 22557, 22558, 22559, 22560, 22561, 22562, 22563, 22564, 22565, 22570, 22571, 22572, 22573, 22574, 22575, 22576, 22577, 22578, 22579, 22580, 22581, 22582, 22583 - Trappist mission (05 02 16 S 18 51 12 E): **MSB**: 274806, 274807, 274808, 274809, 274810, 274811, 274812, 274813, 274814, 274815, 274816, 274817, 274818, 274819, 274820, 274821, 274822, 274823, 274824, 274825, 274826, 274883, 274884, 274885, 274886, 274887, 274888, 274889, 274890, 274891, 274892, 274893, 274894, 274895; **RMCA**: 97.021-M-0696, 97.021-M-0697, 97.021-M-0698, 97.021-M-0699, 97.021-M-0700, 97.021-M-0701, 97.021-M-0702, 97.021-M-0703, 97.021-M-0704, 97.021-M-0705, 97.021-M-0706, 97.021-M-0707, 97.021-M-0708, 97.021-M-0709, 97.021-M-0710, 97.021-M-0711, 97.021-M-0712, 97.021-M-0713, 97.021-M-0714, 97.021-M-0715, 97.021-M-0716, 97.021-M-0717, 97.021-M-0737, 97.021-M-0738, 97.021-M-0739, 97.021-M-0740, 97.021-M-0741, 97.021-M-0742, 97.021-M-0743, 97.021-M-0744, 97.021-M-0745, 97.021-M-0746, 97.021-M-0747 - Tshibambo (10 18 00 S 28 37 00 E, 928 m): **RMCA**: 22466, 22467, 22468, 22469 - Usambiers: **BMNH**: 1890.6.8.16 - Uvira (032424S 290845E, 746 m): **RMCA**: 22909, 22910, 27204, 27205, 27206, 27207, 27208, 27215, 27216, 27217, 27218, 27219, 27221, 28907, 28908, 28909 - Vaku (05 15 00 S 13 13 00 E, 351 m): **RMCA**: 16151, 16152, 16153 - Vitshumbi (00 40 56 S 29 23 12 E, 907 m): **RBINS**: 14542 - Wago (mount) (014500N 300400E, 2240 m): **RMCA**: 23278, 23279, 23281, 23284, 23288, 23289, 81.012-M-0091, 81.012-M-0093, 81.012-M-0094, 81.012-M-0095, 81.012-M-0097, 81.012-M-0098, 81.012-M-0099, 81.012-M-0101, 81.012-M-0102 - Wasa Wago Forest (0144N 3039E, 1386 m): **BMNH**: 1951.629 (Paratype *Tadarida (Chaerephon) faini*) - Zeya (01 45 N 30 44 E, 650 m): **RBINS**: 14558.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1912-151; **RMCA**: 97.077-M-3219, 97.077-M-3278, 97.077-M-3279, 97.077-M-3280, 97.077-M-3281, 97.077-M-3282, 99.038-M-0001; **SMF**: 92007, 92008, 92009, 92010, 92011, 92012 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 97.077-M-3181, 97.079-M-0776, 97.079-M-0891, 97.079-M-0892, 97.079-M-0893, 97.079-M-0894, 97.079-M-0895, 97.079-M-0896, 97.079-M-0897, 97.079-M-0898, 97.079-M-0899, 97.079-M-0900, 97.079-M-0901, 97.079-M-0902, 97.079-M-0903, 97.079-M-0904, 97.079-M-0905, 97.079-M-0906, 97.079-M-0907, 97.079-M-0908, 97.079-M-0909, 97.079-M-0910, 97.079-M-0911, 97.079-M-0912, 97.079-M-0913, 97.079-M-0914, 97.079-M-0915, 97.079-M-0916, 97.079-M-0917, 97.079-M-0918, 97.079-M-0919, 97.079-M-0920, 97.079-M-0921, 97.079-M-0922, 97.079-M-0923, 97.079-M-0924, 97.079-M-0925, 97.079-M-0926, 97.079-M-0927, 97.079-M-0928, 97.079-M-0929, 97.079-M-0930, 97.079-M-0931, 97.079-M-0932, 97.079-M-0933, 97.079-M-0934, 97.079-M-0935, 97.079-M-0936, 97.079-M-0937, 97.079-M-0938, 97.079-M-0939, 97.079-M-0940, 97.079-M-0941, 97.079-M-0942, 97.079-M-0943, 97.079-M-0944 - Anda (05 10 00 N 04 39 00 W): **RMCA**: 97.077-M-3236, 97.077-M-3237 - Bingerville (05 21 21 N 03 53 24 W, 74 m): **MNHN**: ZM-MO-1985-1787 - Doropo (09 49 00 N 03 20 00 W, 287 m): **RMCA**: 34867 - I.D.E.R.T. (05 20 00 N 04 07 00 W): **RMCA**: 97.077-M-3201 - Kanan-Koffi-Kro (06 58 00 N 05 14 00 W, 217 m): **RMCA**: 97.077-M-3151.

Egypt:

Unknown locality: **RMNH**: MAM.27338.

Equatorial Guinea:

Nkolentangan: **ZMB**: T10455.

Eritrea:

Unknown locality: **USNM**: 38032 - Asmara (1520N 3856E, 2363 m): **MCZ**: 5976 - Massaua (15 36 35 N 39 27 00 E, 6 m): **SMF**: 11917, 11918, 12372, 12377; **USNM**: 18546; **ZMB**: 4041, T09764, T09765 - Massawa (15 36 35 N 39 28 00 E, 6 m): **BMNH**: 1919.7.7.334; **SMF**: 4311 (Lectotype *Dysopes pumilus*) - Saati (1536N 3915E, 148 m): **USNM**: 143166, 143167, 143168, 143169.

Ethiopia:

Unknown locality: **BMNH**: 1886.11.3.267, 1897.3.6.7, 1927.3.4.7, 1928.1.11.41, 1928.1.11.42, 1928.1.11.43, 1937.2.24.21, 1960.140, 1960.141, 1961.66, 1961.67, 1961.68, 1970.2280_1, 1970.2280_2, 1970.2280_3, 1970.2280_4, 1970.2284_1, 1970.2284_2, 1970.2284_3, 1970.2284_4, 1970.493, 1970.495, 1970.496, 1970.497, 1970.498, 1970.500, 1971.628_01, 1971.628_02, 1971.628_03, 1971.628_04, 1971.628_05, 1971.628_06, 1971.628_07, 1971.628_08, 1971.628_09, 1971.628_10, 1971.628_11, 1971.628_12, 1971.628_13, 1971.641_1, 1971.641_2, 1971.676, 1971.677_1, 1971.677_2, 1971.677_3, 1972.4450_01, 1972.4450_02, 1972.4450_03, 1972.4450_04, 1972.4450_05, 1972.4450_06, 1972.4450_07, 1972.4450_08, 1972.4450_09, 1972.4450_10, 1972.4450_11, 1972.4450_12, 1972.4450_13, 1972.4450_14, 1972.4464, 1972.4465, 1976.296_1, 1976.296_2, 1976.296_3, 1976.296_4; **RMNH**: MAM.27334; **SMF**: 41841, 45025, 45026, 45027, 45028, 45029, 45030, 45031, 45032, 45033, 45034, 45035, 45036, 45037, 45038, 45039, 45040, 45041, 45042, 45043, 45044, 45045, 45046, 45047, 45048, 45049, 45050, 45051, 45052, 45053, 45054, 45055, 45056, 45057, 45058, 45059, 45060, 45061, 45062, 45063, 45064, 45065, 45066, 45067, 45068, 45069, 45070, 45071, 45072, 45073, 45074, 45075, 45076, 45077, 45078, 45079, 45080, 45081, 45082, 45083, 45084, 45085, 45086, 45087, 45088, 45089, 45090, 45091, 45092, 45093, 45094, 45095, 45096, 45097, 45098, 45099, 45100, 49120, 49121, 49122, 49123, 49124, 49125, 49126, 49127, 49128, 49129, 49130, 49131, 49132, 49133, 49134; **USNM**: 241109 - Abyssinia: **ZMB**: 2793 - Alemaya (092341N 420047E, 2000 m): **MVZ**: 141884; **ROM**: 62154, 62155, 62156, 62157, 62158, 62159, 62160, 62161 - Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189519, S-189520 - Awash river: **HNHM**: 95.89.189, 95.89.190 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **USNM**: 462768 - Gambela (08 15 N 34 35 E, 514 m): **USNM**: 462766, 462767, 520905 - Gelego (12 14 N 35 53 E, 650 m): **ZMMU**: S-189516, S-189517, S-189518 - Grara (12 21 N 35 44 E, 560 m): **ZMMU**: S-189521, S-189522 - Jigiga Road, 16 km S (ca. 0921N 4248E): **MVZ**: 141883 - Koha Dairy Development (08 25 28 N 39 02 21 E, 1602 m): **BRTC**: 57890, 57904, 57905 - Koka (08 26 N 39 02 E, 1700 m): **USNM**: 462764, 462765 - Lake Langano (07 36 00 N 38 43 00 E): **HNHM**: 95.89.73, 95.89.74, 95.89.75, 95.89.76, 95.89.77, 95.89.78, 95.89.79, 95.89.80, 95.89.81, 95.89.82, 95.89.83, 95.89.84, 95.89.85, 95.89.86, 95.89.87, 95.89.88, 95.89.89 - Mehadid (12 18 N 35 46 E, 587 m): **NMP**: 95927, 95928, 95929, 95930, 95931, 95932, 95933, 95934, 95935, 95936 - Metemma, near (1258N 3612E): **FMNH**: 30718, 30719, 30720, 30721, 30722, 30723 - Saati: **AMNH**: 27375, 27376, 27377.

Gabon:

Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-1983-961 - Lastoursville (004900S 124200E, 206 m): **MNHN**: ZM-MO-1984-1218, ZM-MO-1984-1219, ZM-MO-1984-1220.

Ghana:

Unknown locality: **BMNH**: 1975.566, 1975.567, 1981.219; **RMNH**: MAM.28522 - Accra (05 33 N 00 13 W, 98 m): **FMNH**: 54028 - Bator (0604N 0025E, 56 m): **USNM**: 412168, 412169, 412170, 412171, 412172, 412173, 412174, 412175, 412176, 412177, 412178, 412179, 412180, 412181, 412182, 412183, 412184, 412185, 412186, 412187, 412188, 412189, 412190, 412191, 412192, 412193, 412194, 412195, 412196, 412197, 412198, 412199, 412200, 412201, 412202, 412203, 412204, 412205, 412206, 412207, 479746, 479747, 479748, 479749, 479750, 479751, 479752, 479753, 479754, 479755, 479756, 479757, 479758, 479759, 479760, 479761, 479762, 479763, 479764, 479765, 479766, 479767, 479768, 479769, 479770, 479771, 479772, 479773, 479774, 479775, 479776, 479777, 479778, 479779, 479780, 479781, 479782, 479783, 479784, 479785, 479786, 479787, 479788, 479789, 479790, 479791, 479792, 479793, 479794, 479795, 479796, 479797, 479798, 479799, 479800, 479801, 479802, 479803, 479804, 479805, 479806, 479807, 479808, 479809 - Bimbilla, 15 mi [=24 km] S (08 52 N 00 04 E): **AMNH**: 239414, 239415, 239416, 239417, 239418, 239419, 239420, 239421, 239422, 239423 - Doyum (05 54 N 00 01 E, 46 m): **USNM**: 412209, 412210, 412211, 412212, 412213, 412214, 412215, 412216, 412217 - Gambaga (10 32 N 00 26 W, 312 m): **USNM**: 424937, 424938 - Jukwa (0515N 0121W): **USNM**: 412208 - Kwabenya (05 41 18 N 00 14 43 W, 88 m): **BMNH**: 1981.218_2 - Legon (05 39 00 N 00 11 00 W, 30 m): **USNM**: 414393, 414394, 429532 - Pulima (105100N 020300W): **USNM**: 420100, 420101, 420102.

Guinea:

Kouroussa (10 39 N 09 53 W, 362 m): **MNHN**: ZM-MO-1984-1216.

Kenya:

Unknown locality: **BMNH**: 1902.1.2.16, 1903.3.2.5, 1904.2.4.8, 1904.2.4.9, 1910.7.2.25, 1910.7.2.26, 1910.7.2.27, 1910.7.2.28, 1910.7.2.29, 1910.7.2.30, 1922.7.17.41, 1922.7.17.42, 1922.7.17.43, 1922.7.17.44, 1922.7.17.45, 1922.7.17.46, 1922.7.17.49, 1922.7.17.50, 1952.1619, 1975.2725, 1975.2725_1, 1975.2725_2, 1975.2725_3, 1975.2726, 1975.2727, 1975.2728, 1975.2728_1, 1975.2728_2, 1975.2728_3, 1975.2729, 1975.2730, 1975.2731, 1975.2732, 1975.2733, 1975.2734, 1975.2736, 1975.2737, 1975.2738, 1975.2739, 1975.2740, 1975.2741, 1975.2742, 1975.2743, 1975.2743_1, 1975.2743_2, 1975.2743_3, 1975.2743_4, 1975.2743_5, 1975.2744, 1975.2745, 1975.2746, 1975.2747, 1975.2748, 1975.2748_1, 1975.2748_2, 1975.2749, 1975.2750, 1975.2756, 1975.2811, 1975.2966_1, 1975.2966_2, 1975.2968, 1975.2969_1, 1975.2969_2, 1975.2969_3, 1975.2969_4, 1975.2969_5, 1975.2969_6, 1975.2969_7, 1975.2969_8, 1975.2969_9, 1975.2978_01, 1975.2978_02, 1975.2978_03, 1975.2978_04, 1975.2978_05, 1975.2978_06, 1975.2978_07, 1975.2978_08, 1975.2978_09, 1975.2978_10, 1975.2978_11, 1975.2978_12, 1975.2978_13, 1975.2978_14, 1975.2978_15, 1975.2993, 1976.1468_1, 1976.1468_2, 1978.952_1, 1978.952_2; **MNHN**: ZM-MO-1984-1213, ZM-MO-1984-1214; **QM**: JM6215, JM6217; **RMNH**: MAM.25819, MAM.25820, MAM.25821, MAM.25822, MAM.25823, MAM.25824, MAM.25825, MAM.25826, MAM.25827, MAM.25828, MAM.25829, MAM.25830, MAM.25831, MAM.25832, MAM.25833, MAM.25867, MAM.25868, MAM.25869, MAM.25870, MAM.25871, MAM.25872, MAM.25873, MAM.25874, MAM.25875, MAM.25876, MAM.25877, MAM.25879, MAM.25880, MAM.25881, MAM.27179, MAM.27180, MAM.27181, MAM.27182, MAM.27183, MAM.27184, MAM.27185, MAM.27186, MAM.27187, MAM.27188, MAM.27189, MAM.27190, MAM.27191, MAM.31794, MAM.31795, MAM.31796, MAM.31797, MAM.31798, MAM.31799, MAM.31800, MAM.31801, MAM.31802, MAM.31803, MAM.31804, MAM.31805, MAM.31806, MAM.31807, MAM.31808, MAM.31809, MAM.31810, MAM.31811, MAM.31812, MAM.31813, MAM.31814, MAM.31815, MAM.31816, MAM.31817, MAM.31818, MAM.31819, MAM.31820, MAM.31821, MAM.31822, MAM.31823, MAM.31824, MAM.31825, MAM.31826, MAM.31827, MAM.31828, MAM.31829, MAM.31830, MAM.31831, MAM.31832, MAM.31833, MAM.31834, MAM.31835, MAM.31837, MAM.31838, MAM.31839, MAM.31840, MAM.31841, MAM.31842, MAM.31843, MAM.31844, MAM.31845, MAM.31846, MAM.31847, MAM.31848, MAM.31849, MAM.31850, MAM.31851, MAM.31852, MAM.31853, MAM.31854, MAM.31855, MAM.31856, MAM.31857, MAM.31858, MAM.31859, MAM.31860, MAM.31861, MAM.31862, MAM.31863, MAM.31864, MAM.31865, MAM.31866, MAM.31867, MAM.31868, MAM.31869, MAM.31870, MAM.31871, MAM.31872, MAM.31873, MAM.31874, MAM.31875, MAM.31876, MAM.31877, MAM.31878, MAM.31879, MAM.31880, MAM.31881, MAM.31882, MAM.31883, MAM.31884, MAM.31885, MAM.31886, MAM.31887, MAM.31888, MAM.31889, MAM.31890, MAM.31891, MAM.31892, MAM.31893, MAM.31894, MAM.31895, MAM.31896, MAM.31897, MAM.31898, MAM.31899, MAM.31900, MAM.31901, MAM.31902, MAM.31903, MAM.31904, MAM.31905, MAM.31906, MAM.31907, MAM.31914, MAM.31915, MAM.31916, MAM.31917, MAM.31918, MAM.31919, MAM.31920, MAM.31921, MAM.31922, MAM.31923, MAM.31924, MAM.31925, MAM.31926, MAM.31927, MAM.31928, MAM.31929, MAM.31930, MAM.31931, MAM.31932, MAM.31933, MAM.31934, MAM.31935, MAM.31936, MAM.31937, MAM.31938, MAM.31939, MAM.31940, MAM.31941, MAM.31942, MAM.31943, MAM.31944, MAM.31945, MAM.31946, MAM.31947, MAM.31948, MAM.31949, MAM.31950, MAM.31951, MAM.31952, MAM.31953, MAM.31954, MAM.31955, MAM.31956, MAM.31957, MAM.31958, MAM.31959, MAM.31960, MAM.31961, MAM.31962, MAM.31963, MAM.31964, MAM.31965, MAM.31966, MAM.31967, MAM.31968, MAM.31969, MAM.31970, MAM.31971, MAM.31972, MAM.31973, MAM.31974, MAM.31975, MAM.31976, MAM.31977, MAM.31978, MAM.31979, MAM.31980, MAM.31981, MAM.31982, MAM.31983, MAM.31984, MAM.31985, MAM.31986, MAM.31987, MAM.31988, MAM.31989, MAM.31990, MAM.31991, MAM.31992, MAM.31993, MAM.31994, MAM.31995, MAM.31996, MAM.31997, MAM.31998, MAM.31999, MAM.32000, MAM.32001, MAM.32002, MAM.32003, MAM.32004, MAM.32005, MAM.32006, MAM.32007, MAM.32008, MAM.32009, MAM.32010, MAM.32011, MAM.32012, MAM.32013, MAM.32014, MAM.32015, MAM.32016, MAM.32017, MAM.32018, MAM.32019, MAM.32020, MAM.32021, MAM.32022, MAM.32023, MAM.32024, MAM.32025, MAM.32026, MAM.32027, MAM.32028, MAM.32029, MAM.32030, MAM.32031, MAM.32032, MAM.32033, MAM.32034, MAM.32035, MAM.32036, MAM.32037, MAM.32038, MAM.32039, MAM.32040, MAM.32041, MAM.32042, MAM.32043, MAM.32044, MAM.32045, MAM.32046, MAM.32047, MAM.32048, MAM.32049, MAM.32050, MAM.32051, MAM.32052, MAM.32053, MAM.32054, MAM.32055, MAM.32056, MAM.32057, MAM.32058, MAM.32059, MAM.32060, MAM.32061, MAM.32062, MAM.32063, MAM.52552, MAM.52556, MAM.52557, MAM.52558, MAM.52559, MAM.52560, MAM.52561, MAM.52562, MAM.52563, MAM.52564, MAM.52565, MAM.52566, MAM.52567, MAM.52568, MAM.52569, MAM.52570, MAM.52571, MAM.52572, MAM.52573, MAM.52574, MAM.52575, MAM.52576, MAM.52577, MAM.52578, MAM.52579, MAM.52580, MAM.52581, MAM.52582, MAM.52583, MAM.52584; **ROM**: 56385, 56386, 56387, 56388, 56389, 56390,

56391, 56392, 56393; **SMF**: 37559, 48679, 48680, 48681, 48682, 48683, 48684, 48685, 48687, 77675; **UCLA**: 20626 - Amukura (003414N 341619E, 1220 m): **ROM**: 59987, 59988, 59989, 59990, 59991, 59992, 59993, 59994, 59995, 59997, 59998, 59999 - Athi river (0259S 3831E, 5000 ft): **CAS**: 11982 - Athi River, 6 mi SE (0130S 3702E): **USNM**: 436927, 436928, 436929, 436930, 436931, 436932, 436933, 436934, 436935, 436936, 436937, 436938, 436939, 436940, 436941, 436942, 436943, 436944, 436945 - Baringo, lake (003400N 360100E): **ROM**: 36493, 36494, 36495, 36496, 36497, 36498, 36499 - Central [former] province: **SMF**: 38450, 38451, 39413, 48686 - Coast (former) province: **WAM**: M16530 - Coast [former] province: **SMF**: 38448, 38449 - Diani Beach (04 18 13 S 39 35 01 E): **FMNH**: 67956 - Donyo Sabuk (01 08 S 37 16 E): **ROM**: 63874, 63876, 63877 - Donyo Sabuk, 3.2 km SE (01 07 S 37 16 E): **ROM**: 63784, 63785, 63797, 63798, 63799, 63800, 63801, 63802, 63820, 63821, 63822, 63823, 63824, 63825, 63826, 63827, 63828, 63829, 63830, 63831, 63832, 63833, 63834, 63835, 63836, 63837, 63838, 63839, 63840, 63841, 63842, 63843, 63844, 63845, 63846, 63847, 63848, 63849, 63850, 63851, 63852 - Ferguson's Gulf (033100N 355500E): **ROM**: 73395, 73396, 73397, 73398, 73399, 73400, 73401 - Fort Hall (0042S 3407E, 4 000 ft): **BMNH**: 1903.3.2.4 (Holotype *Nyctinomus hindei*) - Fort Hall [=Muranga] (0042S 3740E, 4000 ft): **USNM**: 164017, 164018, 164019, 164020, 166669, 166689, 166690, 582221 - Galma Galla, 1 mi W (ca. 0112S 4047E, 270 ft): **AMNH**: 187352, 187353 - Garissa (002725S 393930E): **USNM**: 351270, 351271, 351272, 351273 - Ianzoni (0141S 3719E, 1738 m): **ROM**: 88197 - Igembe (0015N 3755E, 1460 m): **ROM**: 48432, 48433, 48434, 48435, 48436, 48437, 48438, 48439, 48440, 48441, 48442, 48443, 48444, 48445, 48446, 48447, 48448, 48449, 48450, 48451, 48452, 48453, 48454, 48455, 48456, 48457, 48458, 48459, 48460, 48461, 48462, 48463, 48464, 48465, 48466, 48467, 48468, 48469, 48470, 48471, 48472, 48473, 48474, 48475, 48476, 48477, 48478, 48479, 48480, 48481, 48482, 48483, 48484, 48485, 48486, 48487 - Irima (032120S 383205E, 564 m): **USNM**: 437024, 437025, 437026, 437027, 437028, 437029, 437030, 437031, 437032, 437033, 437034, 437035, 437036, 437037, 437038, 437039, 437040, 437041, 437042, 437043 - Isiala (0020N 3736E): **USNM**: 351262, 351263, 351264, 351265, 351266, 351267, 351268, 351269 - Isiolo (0020N 3736E): **FMNH**: 152933, 152934, 152935, 152937; **ROM**: 36503, 36504, 36505, 36506, 36507, 45968, 45969, 45970, 45971, 45972, 45973, 45974, 76129, 76149, 76172, 76213, 76214 - Isiolo (0020N 3736E, 610 m): **USNM**: 351122, 351123, 351124, 351125, 351151, 351152, 351153, 351154, 351155, 351156, 351157, 351158, 351159, 351160, 351161, 351162, 351163 - Kajata area (01 07 41 S 37 19 39 E): **BRTC**: 27866, 27867, 27868 - Kakamega forest station (0014N 3452E): **MCZ**: 59892 - Kalama (01 36 00 S 37 20 00 E): **RMCA**: 35576, 35577 - Kalanzoni (ca. 0146S 3722E): **ROM**: 100047 - Kalonduni (ca. 0138S 3730E): **ROM**: 99039, 99040, 99053, 99054, 99076 - Kampi ya Moto (00 08 00 S 35 56 00 E, 1980 m): **WAM**: M16514 - Kampi Ya Samaki (003600N 360100E, 900 m): **ROM**: 68566, 68567 - Kamuani (ca. 0131S 3716E): **CUMV**: 13617, 13629, 13630, 13631, 13632, 13633 - Karura Forest (01 14 S 36 50 E, 1828 m): **ROM**: 79682, 79683 - Katuaa Market (014056N 371908E): **CUMV**: 14180, 14181, 14182, 14183, 14184, 14185, 14186, 14187, 14188, 14189, 14190, 14191, 14192, 14193, 14194, 14678, 14679, 14680, 14681, 14682, 14683, 14684, 14685, 14686, 14687, 14688, 14689, 14690, 14691 - Kayata area (01 07 41 S 37 19 39 E): **ROM**: 63873, 63875 - Kiambu, 4 mi [=6 km] NW (0110S 3650E): **ROM**: 68187 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **SMF**: 25214, 25215, 25216, 25217, 25218, 25219, 25220, 25221, 25222, 25223, 25224, 25225 - Kiboko (02 11 00 S 37 43 00 E, 930 m): **USNM**: 437045, 437046, 437047, 437048, 437049, 437050, 437051, 437052, 437053, 437054, 437055, 437056, 437057, 437058, 437059, 437060, 437061, 437062, 437063, 437064, 437065, 437066, 437067, 437068, 437069, 437070, 437071, 437072, 437073, 437074, 437075, 437076 - Kiboko (02 11 00 S 37 43 00 E, 945 m): **USNM**: 436946, 436947, 436948, 436949, 436950, 436951, 436952, 436953, 436954, 436955, 436956, 436957, 436958, 436959, 436960, 436961, 436962, 436963, 436964, 436965, 436966, 436967, 436968, 436969, 436970 - Kiboko, 2 mi [=3.2 km] NW (ca. 021100S 374300E): **FMNH**: 152936 - Kibwezi (02 25 00 S 37 58 00 E, 3000 - 4000 ft): **USNM**: 437044 - Kibwezi, near (ca. 02 25 S 37 58 E, 3500 ft): **AMNH**: 184381, 184382, 184383 - Kilaguni Lodge (02 54 21 S 38 03 34 E): **ZMA**: MAM.21066, MAM.21067, MAM.21068 - Kilanguni Lodge (025400S 380400E, 914 m): **ROM**: 41777, 48506, 48507, 48508 - Kilifi (0338S 3951E, 61 m): **FMNH**: 152932; **ROM**: 36443, 36444, 36445, 36446, 36447, 36448, 76174, 76175, 76176; **USNM**: 351116, 351117, 351118, 351119, 351120, 351164 - Kilifi (Veterinary Station) (0338S 3951E): **FMNH**: 152929, 152930, 152931 - Kilifi Creek, head of (0335S 3947E): **ROM**: 38426, 38427 - Kilifi, 1.5 mi [= 2.4 km] N (033800S 395100E, 50 m): **FMNH**: 152915, 152916, 152917, 152918, 152919, 152920 - Kilifi, 2 mi N (ca. 033800S 395100E, 50 m): **FMNH**: 152921, 152922, 152923, 152924, 152925, 152926, 152927, 152928 - Kipini (023131S 403146E, 0 m): **ROM**: 71262, 71263 - Kisumu (0006S 3445E): **ROM**: 63912, 63913, 63914, 63915, 63916, 63917, 63918, 63919, 63920, 63921, 63922, 63923, 63924, 63925, 63926, 63927, 63928, 63929, 63930, 63931, 63932, 63933, 63934, 63935, 63936, 63937, 63938, 63939, 63940, 63941, 63942, 63944, 63945, 63946, 63947, 63948, 63949, 63950, 63951, 63952, 63953, 63954, 63955, 63956, 63957, 63958, 63959, 63960, 63961, 63962, 63985 - Kithimani area (011112S 372649E): **ROM**: 71422, 71426 - Kitoko River: **ROM**: 71265, 71266 - Kitui (0122S 3801E, 3 500 ft): **ZMB**: 5264 - Konza Farm (014500S 370700E): **CUMV**: 14489, 14490, 14491, 14492, 14493, 14494, 14495, 14496, 14497, 14498, 14499, 14500, 14501, 21175, 21176; **ROM**: 77688, 77689, 77690, 77691, 77692, 88188, 88189, 88190, 88191, 88192, 88193, 88194, 88195, 88196, 88198, 88199, 88200, 88201, 88202, 88203, 88204, 88205, 88206, 88207, 88208, 88209, 88210, 88211, 88212, 88213, 88214, 88215, 88216, 88217, 88218, 88219, 88220 - Kwale (04 11 S 39 27 E, 303 m): **ZMA**: MAM.20849, MAM.20850, MAM.20853 - Kyamunyuu (013928S 371821E): **ROM**: 98986, 98987, 98988, 98989, 98990, 98991, 98992, 99042, 99043, 99044, 99045, 99046, 99047, 99048, 99049, 99050, 99051, 99052 - Kyanguli (004839S 382302E): **ROM**: 100094, 100095, 100096 - Laisam id. (013546N 374822E): **CAS**: 15939 - Lake Bilisa (021401S 400758E): **ROM**: 71334 - Lake Elementeita (002625S 361434E, 1829 m): **ROM**: 48648 - Lake Jipe (0336S 3746E): **USNM**: 589827, 589828, 589829, 589830, 589831 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **CAS**: 11971, 11997, 11999, 12000, 12001; **MCZ**: 48890, 48891, 48892, 48893, 48894, 48895, 48896; **ROM**: 36466 (Topotype *Chaerephon pumilus naivashæ*), 36467 (Topotype *Chaerephon pumilus naivashæ*), 36468 (Topotype *Chaerephon pumilus naivashæ*), 36469 (Topotype *Chaerephon pumilus naivashæ*), 36470 (Topotype *Chaerephon pumilus naivashæ*), 36471 (Topotype *Chaerephon pumilus naivashæ*), 36472 (Topotype *Chaerephon pumilus naivashæ*), 41842 (Topotype *Chaerephon pumilus naivashæ*), 41843 (Topotype *Chaerephon pumilus naivashæ*), 41844 (Topotype *Chaerephon pumilus naivashæ*), 41845 (Topotype *Chaerephon pumilus naivashæ*), 41846 (Topotype *Chaerephon pumilus naivashæ*), 41847 (Topotype *Chaerephon pumilus naivashæ*), 41848 (Topotype *Chaerephon pumilus naivashæ*), 41849 (Topotype *Chaerephon pumilus naivashæ*), 41850 (Topotype *Chaerephon pumilus naivashæ*), 41851 (Topotype *Chaerephon pumilus naivashæ*), 41852 (Topotype *Chaerephon pumilus naivashæ*), 41853 (Topotype *Chaerephon pumilus naivashæ*), 41854 (Topotype *Chaerephon pumilus naivashæ*), 41855 (Topotype *Chaerephon pumilus naivashæ*), 41856 (Topotype *Chaerephon pumilus naivashæ*), 41857 (Topotype *Chaerephon pumilus naivashæ*), 41858 (Topotype *Chaerephon pumilus naivashæ*), 41859 (Topotype *Chaerephon pumilus naivashæ*), 41860 (Topotype *Chaerephon pumilus naivashæ*), 41861 (Topotype *Chaerephon pumilus naivashæ*), 41862 (Topotype *Chaerephon pumilus naivashæ*), 41863 (Topotype *Chaerephon pumilus naivashæ*), 41864 (Topotype *Chaerephon pumilus naivashæ*), 41865 (Topotype *Chaerephon pumilus*

naivashæ), 41866 (Topotype *Chaerephon pumilus naivashæ*), 41867 (Topotype *Chaerephon pumilus naivashæ*), 41868 (Topotype *Chaerephon pumilus naivashæ*), 41869 (Topotype *Chaerephon pumilus naivashæ*), 41870 (Topotype *Chaerephon pumilus naivashæ*), 41871 (Topotype *Chaerephon pumilus naivashæ*), 41872 (Topotype *Chaerephon pumilus naivashæ*), 41873 (Topotype *Chaerephon pumilus naivashæ*), 41874 (Topotype *Chaerephon pumilus naivashæ*), 41875 (Topotype *Chaerephon pumilus naivashæ*), 41876 (Topotype *Chaerephon pumilus naivashæ*), 41877 (Topotype *Chaerephon pumilus naivashæ*), 41878 (Topotype *Chaerephon pumilus naivashæ*), 41879 (Topotype *Chaerephon pumilus naivashæ*), 41880 (Topotype *Chaerephon pumilus naivashæ*), 41881 (Topotype *Chaerephon pumilus naivashæ*), 41882 (Topotype *Chaerephon pumilus naivashæ*), 41883 (Topotype *Chaerephon pumilus naivashæ*), 41884 (Topotype *Chaerephon pumilus naivashæ*), 41885 (Topotype *Chaerephon pumilus naivashæ*), 41889 (Topotype *Chaerephon pumilus naivashæ*), 41890 (Topotype *Chaerephon pumilus naivashæ*), 41891 (Topotype *Chaerephon pumilus naivashæ*), 41892 (Topotype *Chaerephon pumilus naivashæ*), 41893 (Topotype *Chaerephon pumilus naivashæ*), 41894 (Topotype *Chaerephon pumilus naivashæ*), 41895 (Topotype *Chaerephon pumilus naivashæ*), 41896 (Topotype *Chaerephon pumilus naivashæ*), 41897 (Topotype *Chaerephon pumilus naivashæ*), 41898 (Topotype *Chaerephon pumilus naivashæ*), 41899 (Topotype *Chaerephon pumilus naivashæ*), 41900 (Topotype *Chaerephon pumilus naivashæ*), 41901 (Topotype *Chaerephon pumilus naivashæ*), 41902 (Topotype *Chaerephon pumilus naivashæ*), 41903 (Topotype *Chaerephon pumilus naivashæ*), 41904 (Topotype *Chaerephon pumilus naivashæ*), 41905 (Topotype *Chaerephon pumilus naivashæ*), 41906 (Topotype *Chaerephon pumilus naivashæ*), 41907 (Topotype *Chaerephon pumilus naivashæ*), 41908 (Topotype *Chaerephon pumilus naivashæ*), 47000 (Topotype *Chaerephon pumilus naivashæ*), 47001 (Topotype *Chaerephon pumilus naivashæ*), 47002 (Topotype *Chaerephon pumilus naivashæ*), 47003 (Topotype *Chaerephon pumilus naivashæ*), 47004 (Topotype *Chaerephon pumilus naivashæ*), 47005 (Topotype *Chaerephon pumilus naivashæ*), 47006 (Topotype *Chaerephon pumilus naivashæ*), 47007 (Topotype *Chaerephon pumilus naivashæ*), 47008 (Topotype *Chaerephon pumilus naivashæ*), 47009 (Topotype *Chaerephon pumilus naivashæ*), 47010 (Topotype *Chaerephon pumilus naivashæ*), 47011 (Topotype *Chaerephon pumilus naivashæ*), 47012 (Topotype *Chaerephon pumilus naivashæ*), 47013 (Topotype *Chaerephon pumilus naivashæ*), 47014 (Topotype *Chaerephon pumilus naivashæ*), 47015 (Topotype *Chaerephon pumilus naivashæ*), 47016 (Topotype *Chaerephon pumilus naivashæ*), 47017 (Topotype *Chaerephon pumilus naivashæ*), 47018 (Topotype *Chaerephon pumilus naivashæ*), 47019 (Topotype *Chaerephon pumilus naivashæ*), 47020 (Topotype *Chaerephon pumilus naivashæ*), 47021 (Topotype *Chaerephon pumilus naivashæ*), 50797, 50798, 50799, 50800, 50801, 50802, 56360, 56361, 56362, 56363, 56364, 56365, 56366, 56367, 56368, 56369, 56370, 56371, 56372, 56373, 56374, 56375, 56376, 56377, 56378, 56379, 56380, 56381, 56383, 66230, 66232, 66233, 66236, 73135, 73136, 73139, 73140, 73141, 76118, 76119, 76120, 76121, 76122, 76123, 76124, 76125, 76126, 76127, 76128, 76130, 76131, 76132, 76133, 76134, 76135, 76136, 76137, 76138, 76139, 76140, 76141, 76142, 76143, 76144, 76145, 76146, 76147, 76148, 76150; **USNM**: 351126, 351127, 351128, 351129, 351130, 351131, 351132, 351133, 351134, 351135, 351139, 351140, 351141, 351142, 351143, 351144, 351145, 351146, 351147, 351148 - Lake Naivasha, E shore (ca. 00 46 00 S 36 21 00 E, 6000 ft): **FMNH**: 152966, 152967, 152968, 152978; **USNM**: 351136, 351137, 351138 - Lake Nakuru (00 21 25 S 36 06 35 E, 1829 m): **ZMA**: MAM.16835 - Lamu Island (02 16 49 S 40 51 29 E): **FMNH**: 67945 - Lamu town, NW of (ca. 02 16 42 S 40 54 12 E, 1 m): **MSU**: MR.33461 - Langata (01 24 S 36 46 E, 1731 m): **CAS**: 11996; **USNM**: 351110, 351111, 351112, 351113, 351114, 351115 - Langata cemetery (01 24 S 36 46 E, 1731 m): **ROM**: 76153, 76167, 76168, 76170, 76171, 76209, 76210, 76211, 76212 - Limuru (0106S 3639E, 2240 m): **CAS**: 11985, 11986, 11987, 11988, 11989, 11990, 11991, 11992, 11993, 11994 - Lion Hill (03 22 32 S 38 33 59 E): **ZMA**: MAM.20854 - Lukenia (0129S 3703E, 5000 ft): **CAS**: 11974, 11975, 11976, 11977, 11978, 11979, 11980, 11981, 11995 - Lukenya, mount (01 28 S 37 03 E): **FMNH**: 17209 - Machakos (0131S 3716E): **ROM**: 36441 - Machakos (0131S 3716E, 1714 m): **ROM**: 68593, 68594, 68595, 68596, 68597, 68598, 68599 - Magadi (0153S 3618E): **ROM**: 36442 - Maji Moto (0013N 3606E, 1102 m): **USNM**: 437141 - Makindu (0217S 3749E, 1070 m): **ROM**: 65880 - Makindu River (020925S 375425E, 975 m): **ROM**: 65957 - Makindu, 13 km NW (0214S 3746E): **ROM**: 63794, 63795 - Malindi (031300S 400700E, 0 m): **ROM**: 44244, 44245, 44246; **USNM**: 301523, 522968 - Malindi, ca 19 km from (0314S 4008E): **ROM**: 44248, 44249, 44250, 44251, 44252, 44253, 44254, 44255, 44256, 44257, 44258, 44259 - Mara River: **AMNH**: 184380 - Marigat (002800N 355900E, 1062 m): **ROM**: 68113, 75449, 75450, 75451, 75452, 75456 - Maungu (61m): **ROM**: 77490, 77496, 77504 - Maungu Hill (450 m): **ROM**: 68098, 68186 - Mbondoni (01 27 16 S 37 31 57 E): **CUMV**: 13663, 13664 - Mogotio, 3 mi [= 4.8 km] N (0003N 3558E, 1524 m): **USNM**: 437137, 437138, 437139, 437140 - Molo river (0155S 3545E, 1067 m): **ROM**: 75485, 75486, 75487, 75488, 75489, 75490, 75497, 75498, 75499, 75500, 75501, 75502, 75503 - Mombas [=Mombassa] (0403S 3940E): **ZMB**: 5432 - Mombasa (04 03 00 S 39 40 00 E, 0 m): **MCZ**: 22825, 22826, 28143, 8277 - Mount Kenya, W side (ca. 00 10 00 S 37 20 00 E, 2134 m): **SMF**: 19984 - Mtito Andei (0240S 3810E): **USNM**: 181463, 181464, 181465, 181466, 181467, 181468, 181469, 181470, 181471, 181472, 181474, 181475, 181476, 181477, 181478, 181479 - Mtito Andei (0240S 3810E, 762 m): **FMNH**: 44253 - Mtito Andei (0240S 3810E, 769 m): **USNM**: 436971, 436972, 436973, 436974, 436975, 436976, 436977, 436978, 436979, 436980, 436981, 436982, 436983, 436984, 436985, 436986, 436987, 436988, 436989, 436990, 436991, 436992, 436993, 436994, 436995, 436996, 436997, 436999, 437000, 437001, 437002, 437003, 437004, 437005, 437006, 437007, 437008, 437009, 437010, 437011, 437012, 437013, 437014, 437015, 437016, 437017, 437018, 437019, 437020, 437021, 437022, 437023 - Mtito, Andei, 4 mi N (0241S 3808E, 732 m): **USNM**: 436998 - Mumandu Hill (014000S 371700E): **ROM**: 71144, 71145, 71146, 71147, 71148 - Muumandu (01 35 S 37 21 E): **CUMV**: 14454; **RMCA**: 35265b; **ROM**: 90407, 90408, 90409, 90410, 90411, 90412, 90413, 90414, 90415, 90416, 90417, 90418, 90419, 90420, 90421, 90422, 90423, 90424, 90425, 90426, 90427, 90428, 90429, 90430, 90431, 90432, 90433, 90434, 90435, 90436 - Muumandu Market (014000S 371700E): **ROM**: 90437, 90438, 90439, 90440, 90441, 90442, 90443 - Mzima Springs (025917S 380126E): **ROM**: 41922 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **CAS**: 11983, 11984; **ROM**: 28167, 28169, 41830, 45942, 45943, 76151, 76152, 76154, 76155, 76156, 76157, 76158, 76159, 76160, 76161, 76162, 76163, 76164, 76165, 76166, 76169, 76208, 76216, 76217, 76218, 91573; **USNM**: 351090, 351091, 351092, 351093, 351094, 351095, 351096, 351097, 351098, 351099, 351100, 351101, 351102, 351103, 351104, 351105, 351106, 351107, 351108, 351109, 351149, 351150, 351274 - Nairobi Area (ca. 01 17 S 36 49 E): **SMF**: 19982 - Nairobi, 10 mi [= 16 km] below (011700S 364900E, 1707 m): **FMNH**: 67946, 67947, 67948, 67949 - Nairobi, 30 mi [= 48 km] E (0131S 3716E, 1524 m): **ROM**: 48604, 48605, 48606, 48607, 48608, 48609, 48610, 48611, 48612, 48613, 48614, 48615, 48616, 48617, 48618, 48619, 48620, 48621, 48622, 48623, 48624, 48625, 48626, 48627, 48628, 48629, 48630, 48631, 48632, 48633, 48634, 48635, 48636, 48637, 48638, 48639, 48640, 48641, 48642, 48643, 48644, 48645, 48646, 48647 - Naivasha (00 43 S 36 26 E, 2085 m): **USNM**: 162101, 162102, 162103, 166666 - Naivasha Station (00 43 S 36 26 E, 2085 m): **FMNH**: 44261; **USNM**: 166657, 166658 (Holotype *Chaerephon pumilus naivashæ*), 166659, 166660, 166661, 166662, 166663, 166664, 166665, 166668 - Naivasha, 10 mi [=16 km] W (ca. 00 42 46 S 36 17 13 E): **USNM**: 436926 - Naivasha, 2 mi [= 3.2 km] SE (Lake Hotel) (00 44 S 36 26 E): **FMNH**: 152939,

152940, 152941, 152942, 152943, 152944, 152945, 152946, 152947, 152948, 152949, 152950, 152951, 152952, 152953, 152954, 152955, 152956; **WNMU**: 6451, 6453 - Naivasha, 24 km E (00 44 S 36 39 E): **ROM**: 73373, 73374, 73375, 73376, 73377, 73378, 73379, 73380 - Naivasha, 35.4 km E (00 44 S 36 45 E, 1900 m): **ROM**: 73349, 73350, 73351, 73352, 73353, 73354, 73355, 73356, 73357, 73358, 73359, 73360, 73361, 73362, 73363 - Naivasha, 7 mi [=11 km] SE (ca. 00 47 33 S 36 28 36 E): **FMNH**: 152957, 152958, 152959, 152960, 152961, 152962, 152963, 152964, 152965 - Nakuru (00 17 00 S 36 04 00 E, 1952 m): **CAS**: 11970, 11972, 11998; **USNM**: 437077, 437078, 437079, 437080, 437081, 437082, 437083, 437084, 437085, 437086, 437087, 437088, 437089, 437090, 437091, 437092, 437093, 437094, 437095, 437096, 437097, 437098, 437099, 437100, 437101, 437102, 437103, 437104, 437105, 437106, 437107, 437108, 437109, 437110, 437111, 437112, 437113, 437114, 437115, 437116, 437117, 437118, 437119, 437120, 437121, 437122, 437123, 437124, 437125, 437126, 437127, 437128, 437129, 437130, 437131, 437132, 437133, 437134, 437135, 437136; **WAM**: M16529 - Nakuru, 2 mi [= 3.2 km] W (0017S 3602E, 1844 m): **FMNH**: 152969, 152970, 152971, 152972, 152973, 152974, 152975, 152976 - Nakuru, 5 km WSW (0016S 3604E): **ROM**: 78432 - Nakuru, near (0017S 3604E, 1981 m): **FMNH**: 67957 - Namanga (ca. 023303S 364658E, 1359 m): **AMNH**: 184384 - Ngambo (0030N 3605E, 1036 m): **ROM**: 75461, 75475 - Ngong (01 22 00 S 36 39 00 E, 1829 m): **KU**: 41119 - Nguruman Escarpment (0145S 3602E, 610 m): **ROM**: 71374 - Njerowa Gorge (00 54 S 36 19 E): **USNM**: 375924 - Njoro (001900N 360600E): **ROM**: 73132, 73133, 73134; **USNM**: 317953, 317954, 317955, 317956, 317957 - Njoro (001900N 360600E, 2286 m): **FMNH**: 85238, 85239, 85462, 85463, 85464, 85465, 85466; **ROM**: 78431; **USNM**: 317947, 317948 - Ol' Donyo Sabuk [=Donyo Sabuk] (01 08 00 S 37 16 00 E): **BRTC**: 27865 - Ol Donyo Sapuk, mount (01 08 00 S 37 16 00 E): **FMNH**: 152938; **WNMU**: 373 - Ol Jogi Dam (00 19 29 N 36 56 05 E): **MMU**: PWW2715 - Oloitokitok (025549S 373018E): **USNM**: 351121, 351165 - Olorgasailie (0134S 3627E, 1050 m): **ROM**: 68376, 73239 - Patta [=Pate, island] (0206S 4103E): **ZMB**: T10478, T10479 - Rift Valley [former] province: **SMF**: 16153, 43654, 43655, 43661 - Rongai (0011S 3552E): **FMNH**: 152977 - Rongai, 5 km S (0011S 3552E): **ROM**: 73125 - Ruiru (010900S 362508E, 1564 m): **ROM**: 78433, 78434, 78435, 78436, 78437, 81205, 81206, 81207, 81208, 81209, 81210, 81211 - Saint Paul's Akukura Secondary School (003414N 341619E): **ROM**: 59996 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **YPM**: MAM 003088 - Solai Valley (0003N 3609E, 1950 m): **ROM**: 66286, 66287, 66288, 66289, 66290, 66291, 66292, 66293, 66294, 66295, 66296, 66297, 66298, 66299, 66300, 66301, 66302, 66303, 66304, 66305, 66306, 66307, 66308, 66309, 66310, 66311, 66312, 66313, 66314, 66315, 66320, 66321, 66322, 66323, 66324, 66325, 66326, 66327, 66328, 66329, 66330, 66331, 66332, 66333, 66334, 66335, 66336, 66337 - Takaungu (0341S 3951E): **ROM**: 36449, 36450, 36451, 36452, 36453, 36454, 36455, 36456, 36457, 36458, 36459, 36460, 36461 - Taveta, 3 km E (03 23 S 37 42 E, 760 m): **MCZ**: 60085, 60086 - Thika (01 03 S 37 05 E, 1531 m): **CAS**: 11973 - Thika (0103S 3705E, 1531 m): **ROM**: 36439 - Thika, 16 km N (00 54 S 37 05 E, 1500 m): **ROM**: 68378, 68379, 68380, 68381, 68382, 68383, 68384, 68385, 68386, 68387, 68388, 68389, 68390, 68391, 68392, 68393, 68394, 68395, 68396, 68397, 68398, 68399, 68400, 68401, 68402, 68403, 68404, 68405, 68406, 68407, 68408, 68409, 68410, 68411 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 76113, 76114, 76115, 76116, 76117, 78438, 78439, 78440, 81217, 81218, 81219, 81220, 81270, 81272, 81273, 81274, 81275, 81276, 81277, 81278, 81279 - Ukwala (0011N 3411E): **ROM**: 36500, 38270 - Ulu (0149S 3709E, 1588 m): **ROM**: 36440, 73242 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **AMNH**: 114459, 114460, 114461, 114462, 114463, 114464, 114465, 114466, 114467, 114468, 114469, 114470, 114471, 114472, 114473, 114488, 114489, 114490, 114491, 114492, 114493, 114494, 114495, 114496, 114497, 114498, 114499, 114500; **ROM**: 41833; **SMF**: 19983, 19985 - Voi, 30 km SE (0334S 3846E): **ROM**: 77518 - Water treatment site (00 18 14 N 36 55 31 E): **MMU**: PWW2687 - Witu (022326S 402711E, 17 m): **MCZ**: 31866, 31877.

Madagascar:

Unknown locality: **MCZ**: 62671 - Ampijoroa (1618S 4649E): **MNHN**: ZM-MO-1984-1260, ZM-MO-1984-1271, ZM-MO-1984-1272 - Ampijoroa forest (1618S 4649E): **MNHN**: ZM-MO-1991-1866, ZM-MO-1991-1867, ZM-MO-1991-1868, ZM-MO-1991-1869, ZM-MO-1991-1870, ZM-MO-1991-1871, ZM-MO-1991-1872 - Ampijoroa, lake (1618S 4649E): **MNHN**: ZM-MO-1984-1196 - Analamazaotra forest, Périnet (185600S 482500E, 800 - 991 m): **ROM**: 51619; **YPM**: MAM 005517, MAM 005518, MAM 005519, MAM 005520, MAM 005900, MAM 005901, MAM 005902, MAM 005903, MAM 005904 - Ankarafantsika Forest (1609S 4702E): **MCZ**: 45452 - Forêt d'Analalava (24 10 00 S 47 16 00 E, ca. 20m): **MCZ**: 45623, 45624, 45625, 45626, 45627, 45628, 45629, 45630, 45631, 45632, 45633, 45634, 45635, 45636 - Hellville (1324S 4916E, 0 m): **USNM**: 341780 - Maevatanana (1657S 4650E, 133 m): **MCZ**: 46091, 46092 - Marovatanana: **MNHN**: ZM-MO-1947-308 - Mevatanana (1657S 4650E, 133 m): **MNHN**: ZM-MO-1900-539 A, ZM-MO-1900-539 B, ZM-MO-1900-539 C, ZM-MO-1900-539 D, ZM-MO-1900-539 E, ZM-MO-1900-539 F - Mistinjo: **MNHN**: ZM-MO-1877-339, ZM-MO-1894-1267, ZM-MO-1912-35, ZM-MO-1912-35 A, ZM-MO-1912-35 B, ZM-MO-1912-35 C, ZM-MO-1912-35 D, ZM-MO-1912-35 E, ZM-MO-1912-35 F, ZM-MO-1912-35 G, ZM-MO-1912-35 H, ZM-MO-1912-37, ZM-MO-1962-2656, ZM-MO-1984-1202 - Morondava (2019S 4417E): **MCZ**: 45734, 45735 - Nossibé (132000S 481500E): **MNHN**: ZM-MO-1985-262, ZM-MO-1985-263, ZM-MO-1985-264 - Tsimbazaza, lake (18 55 S 47 31 E): **MNHN**: ZM-MO-1985-406, ZM-MO-1985-407 A, ZM-MO-1985-407 B - Tuléar (23 21 00 S 43 40 00 E, 20 m): **ZMA**: MAM.16836 - West Coast: **MCZ**: 45094.

Malawi:

Unknown locality: **BMNH**: 1987.1168, 1987.1169, 1987.1170, 1987.1171; **ZMA**: MAM.28405 - Camp Chikwawa (16 13 00 S 34 44 00 E): **WAM**: M25717 - Chileka (15.65S 34.92E, 772 m): **ROM**: 37888, 37892, 37893, 37894, 37895, 37896, 37899, 37900, 37904, 37905 - Chileka (15.65S 34.92E, 777 m): **ROM**: 37891 - Chinteche (1150S 3410E): **TM**: 9180 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **FMNH**: 48769, 48770, 48771; **KU**: 79320, 79321, 79322 - Chitala River (133539S 342623E): **MCZ**: 43852, 43853, 43854, 43855, 43856, 43857, 43858, 43859, 43860, 43861, 43862 - Golden Sands Camp (13 58 05 S 34 49 15 E, 480m): **ZMA**: MAM.28377 - Kalimbuka (15 23 S 35 19 E, 800 - 900 m): **ZMA**: MAM.28394 - Lengwe National Park (16 15 00 S 034 45 00 E): **ZMA**: MAM.28378, MAM.28379 - Lengwe National Park (16 15 00 S 34 45 00 E): **WAM**: M25702, M25705, M25706, M25707, M25716 - Lumenda (16 18 00 S 34 40 00 E): **WAM**: M25709, M25710, M25711, M25712 - Lumenda Village (16 18 00 S 34 40 00 E): **WAM**: M25708 - Malosa (15 12 S 35 20 E, 900 m): **ZMA**: MAM.28380, MAM.28381, MAM.28382, MAM.28383, MAM.28384 - Monkey Bay (14 04 00 S 34 55 00 E, 496m): **NHMZ**: 62732 - Mpyupyu Prison Farm (15 22 S 35 27 E, 717 m): **ZMA**: MAM.28386, MAM.28387, MAM.28388 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.28395, MAM.28396, MAM.28397, MAM.28398, MAM.28399, MAM.28400, MAM.28401, MAM.28402, MAM.28403 - Mwalingo (0940S 3332E, 1460 m): **FMNH**: 196184, 196185, 196186, 196187, 196188, 196189, 196190, 196191, 196620, 196621, 196622, 196623, 196624, 196625, 196626, 196627 - Namazo Bay (14 10 00 S 34 59 00 E, 522m): **ZMA**: MAM.28389, MAM.28390 - Nkhota Bay (11 36 S 34 18 E, 471 m): **ZMA**: MAM.28391, MAM.28392 - Nkhotakota (12.93S 34.3E): **NHMZ**: 22822 - Nsanje (16 55 00 S 35 16 00 E, 14 m): **ZMA**: MAM.10947 - Ufudu Village: **AMNH**: 163847 - Zomba (15 23 00 S 35 20 00 E, 800-900 m): **ZMA**: MAM.28393, MAM.28404.

Mali:

Dialagou (14 32 02 N 04 07 57 W, 271 m): **MNHN**: ZM-MO-1984-1314, ZM-MO-1984-1315, ZM-MO-1984-1316 - Dogon country (13 40 53 N 03 37 04 W): **MNHN**: ZM-MO-1984-1231 - Ménaka (15 55 06 N 02 24 08 E): **MNHN**: ZM-MO-1984-1215 - Mopti (14 30 00 N 04 12 00 W, 275 m): **FMNH**: 44719, 44720 - Samaya (12 32 58 N 08 03 19 W, 299 m): **MNHN**: ZM-MO-1996-403, ZM-MO-1996-404 - Sélingué (11 37 00 N 08 14 00 W, 322 m): **MNHN**: ZM-MO-1996-405, ZM-MO-1996-406, ZM-MO-1996-407, ZM-MO-1996-408 - Sotuba (1236N 0755W): **FMNH**: 42145, 42146, 42147, 42148, 42149, 42150, 42151, 42152, 42153, 42154, 42155, 42156, 42157, 42158, 42159, 42160, 42161, 42162, 42163, 42164, 42165 - Ticufales or Tieufola cave (ca. 12 39 N 08 00 W): **MNHN**: ZM-MO-1960-535, ZM-MO-1960-536, ZM-MO-1960-537, ZM-MO-1960-538, ZM-MO-1960-539, ZM-MO-1960-541, ZM-MO-1960-542.

Mayotte:

Mayotte (12 50 S 45 09 E): **MNHN**: ZM-MO-1884-2054, ZM-MO-1884-2055; **RMNH**: MAM.27337.

Mozambique:

Unknown locality: **BMNH**: 1858.6.18.14; **ZMB**: 539, 85519, 85520 - Bazaruto Lodge (21 36 55 S 35 20 15 E): **TM**: 42019, 42020 - Beira, 10 km N (19.82S 34.87E): **USNM**: 365466 - Boane (26.13S 32.38E): **CZL**: 3263002; **USNM**: 365479 - Casa Msika lodge (19 02 25 S 33 05 24 E): **DNSM**: 9867 - Chigubo (22.88S 33.63E): **USNM**: 352117 - Chigubo (224945S 333126E, 91 m): **USNM**: 352118, 352119, 352120, 352121, 352122, 352123, 352124, 352125, 352126, 352127, 352128, 352129 - Chimonzo (24 56 54 S 33 17 30 E, 81 m): **USNM**: 352226, 352227, 352228, 352229, 352230, 352231, 352232, 352233, 352234, 352235, 352236 - Chitengo, 100 km E (18.75S 34.75E): **NHMZ**: 63962 - Coguno (24.55S 34.38E): **USNM**: 352252 - Cruz Dabacua Setache (21.0S 33.5E): **NHMZ**: 62535 - Estatuane (26.37S 32.12E): **NHMZ**: 62539 - Estatuene (262353S 320553E): **AMNH**: 245174, 245175, 245176, 245177, 245178, 245179, 245180, 245181 - Gorongosa NR (18.87S 34.37E): **NHMZ**: 62870 - Gupata, ca. 50 mi. NE. Zinave: **AMNH**: 216231 - Inhaca Island (26 01 S 32 58 E): **FMNH**: 65847, 65848, 65849, 65850, 65851, 65852, 65853, 65854, 65855, 65856, 65857, 65858, 65859, 65860, 65861, 65862, 65863, 65864, 65865 - Kasumbadedza (1609S 3332E): **MCZ**: 57215 - Magude (25.03S 32.65E): **USNM**: 352237 - Malucas (21.75S 33.25E): **NHMZ**: 62574 - Mapinhane (22 19 S 35 03 E): **DNSM**: 60 - Maputo (25.88S 32.63E): **CZL**: 5520243; **NHMZ**: 31370 - Marine Research Station (260136.84S 325439.24E): **TM**: 12450, 12451, 12452, 12453, 12454, 12455, 12456, 12457, 12458, 12459, 12460, 12461, 12462; **USNM**: 352199, 352200, 352201, 352202, 352203, 352204, 352205, 352206, 352207, 352208, 352209, 352210, 352211, 352212, 352213, 352214, 352215, 352216, 352217, 352218, 352219, 352220, 352221, 352222, 352223, 352224, 352225 - Marromeu Town (18.25S 35.94E): **NHMZ**: 83934 - Massinga (23.13S 35.38E): **USNM**: 352130, 352131, 352133, 352245, 352246, 352247, 352248, 352249, 352250, 352251 - Matola (255744S 322732E, 3 m): **FMNH**: 105701 - Meponda (13 24 05 S 34 52 14 E, 590 m): **DNSM**: 8614 - Moamba (25.6S 32.23E): **USNM**: 352238 - Moamba (253546S 321436E, 112 m): **USNM**: 352239, 352240, 352241, 352242, 352243, 352244 - Mozambique Island (15 03 S 40 46 E): **ZMB**: 537/85520 (Syntype *Dysopes limbatus*), 538/85519 (Syntype *Dysopes limbatus*) - Mozambique Island (ca. 1500S 4042E): **BMNH**: 1907.1.1.704 (Syntype *Dysopes limbatus*) - Pemba (13 00 23 S 40 31 25 E): **DNSM**: 8615, 8616 - Ressano Garcia, 10 km SSE (25.37S 32.05E): **NHMZ**: 62577 - Tete, 2 mi E (ca. 1610S 3337E): **TM**: 14649, 14650, 14651 - Tete, 2 mi SE (1607S 3337E): **TM**: 14652; **USNM**: 365461, 365462, 365463, 365464, 367605 - Tete, 3 km E (16.27S 33.6E): **USNM**: 365460 - Tete, near (ca. 160923S 333512E): **MCZ**: 43770, 43771, 43772, 43773 - Vila Machado (191609S 341246E): **USNM**: 365465 - Zinave (21 26 12 S 33 51 01 E): **AMNH**: 216232, 216234, 232700, 245182, 245183, 245184, 245185, 245186; **ROM**: 67530, 67531, 67532, 67533 - Zinave NR (21.37S 33.87E): **NHMZ**: 62519 - Zinave, 2 km SW (ca. 2127S 3351E): **AMNH**: 245187.

Namibia:

Brandberg Wes Mine (2104S 1411E): **SMW**: 9788 - Buffalo Camp, Kavango R. (18.13S 21.63E): **SMW**: 13543 - Farm Driekrone 516 (2014Da): **SMW**: 13638, 13643, SM-C10 027 - Farm Witwatersrand 521, near Granite kop (2014Dc): **SMW**: 13639, 13640, 13642 - Katima Mulilo (17.5S 24.33E): **SMW**: 13678 - Oakwengaga (22 40 S 14 50 E): **RMCA**: 95.093-M-0007 - Okatana (17 47 00 S 15 41 00 E, 1074 m): **RMCA**: a1.091-M-0001 - Skeleton Coast Park, Brandberg Wes Mine (2104S 1411E): **SMW**: 9786, 9790.

Niger:

Niamey (1331N 0207E, 207 m): **MNHN**: ZM-MO-1984-1182 - Niamey, 25 km S (1321N 0208E): **USNM**: 520989 - Park West (12 36 N 02 29 E): **MVZ**: 149498, 149499; **USNM**: 462797 - Tapoa (12 29 31 N 02 21 36 E, 225 m): **BRTC**: 27864; **UCM**: 15183, 15195; **USNM**: 462795, 462796.

Nigeria:

Unknown locality: **BMNH**: 1911.10.28.1, 1952.1380, 1955.620, 1955.621, 1964.758, 1975.2735, 1977.474, 1988.224, 1988.225, 1988.226, 1988.227, 1988.228; **SMF**: 57337, 57338, 57339, 57340, 57341, 57342, 57343, 57344, 57345, 57346, 57347, 57348, 57349, 57350, 57351, 57352, 57353, 57354, 57355, 57356, 57357, 57358, 57359, 57360, 57361, 57362, 57363, 57364, 57365, 57366, 57367, 57368, 57369, 57370, 57371, 57372, 57373, 57374, 57375 - Aguleri, 1.5 mi E (062000N 065300E): **USNM**: 377132, 377133, 377134, 377135, 377136, 377137, 377138, 377139 - Bauchi state: **SMF**: 77326, 77327 - Felele (0751N 0643E): **USNM**: 402844, 402845, 402846, 402847, 402848, 402849, 402850, 402851 - Gudi, 3 mi E (0854N 0817E): **USNM**: 402832, 402833, 402834, 402835, 402836, 402837, 402838 - Igbo-ora (0726N 0317E): **USNM**: 402809, 402810 - Imo state: **SMF**: 92078, 92079 - Kabwir, 1 mi S (092400N 093400E): **USNM**: 375940 - Kano state: **SMF**: 77329 - Kware (131305N 051602E, 268 m): **USNM**: 402811, 580604 - Oyo, 7 mi [= 11 km] W (072015N 034529E): **USNM**: 377130, 377131 - Pandam Wildlife Park (08 44 N 08 59 E): **ZMA**: MAM.18392, MAM.18393 - Panyam [Fish Farm] (0925N 0913E): **USNM**: 402839, 402840, 402841, 402842, 402843 - Samaru (1110N 0738E, 730 m): **USNM**: 402852, 402853, 402854, 402855, 402856, 402857, 402858, 402859, 402860, 402861, 402862, 402863 - Tsanchaga (0906N 0609E): **USNM**: 402812, 402813, 402814, 402815, 402816, 402817, 402818, 402819, 402820, 402821, 402822, 402823, 402824, 402825, 402826, 402827, 402828, 402829, 402830, 402831, 479870, 479871, 479872, 479873, 479874, 479875, 479876, 479877, 479878, 479879, 479880, 479881, 479882, 479883, 479884, 479885, 479886, 479887, 479888, 479889, 479890, 479891, 479892, 479893, 479894, 479895, 479896, 479897, 479898, 479899, 479900, 479901, 479902, 479903, 479904, 479905, 479906, 479907, 479908, 479909 - Zaria, 5 mi [= 8 km] NW (ca. 1101N 0744E): **USNM**: 378868, 378869, 378870, 378871, 378872, 378873, 378874, 378875, 378876, 378877, 378878, 378879, 378880 - Zaria, 7 mi NW (ca. 1101N 0744E): **USNM**: 378881, 378882 - Zawan (09 45 18 N 08 52 29 E, 1276 m): **ZMA**: MAM.18390, MAM.18391 - Zungeru (094846N 060921E, 149 m): **USNM**: 378867, 379538, 379539, 379540, 379541, 379542, 379543, 379544, 379545, 379546, 379547, 379548, 379549, 379550, 379551, 379552, 379553, 379554, 379555.

Rwanda:

Astrida (023550S 294420E, 1733 m): **MHNG**: 921.038, 921.039, 921.040, 921.041; **RMCA**: 20568, 21218, 23204b, 31047, 31061, 31063, 31064, 31065, 31066, 31067, 31068, 31071, 31072, 31073, 31074, 31075, 81.012-M-0063, 81.012-M-0064, 81.012-M-0065, 81.012-M-0066, 81.012-M-0067, 81.012-M-0068, 81.012-M-0069, 81.012-M-0070,

81.012-M-0077, 81.012-M-0105, 81.012-M-0106 - Bilalu (01 30 S 30 18 E, 1600 m): **INPBC**: V3062 - Butare (023550S 294420E, 1733 m): **RMCA**: 85.006-M-0207, 85.006-M-0208, 85.006-M-0209, 85.006-M-0210, 85.006-M-0211, 85.006-M-0212, 85.006-M-0213, 85.006-M-0214, 85.006-M-0215, 85.006-M-0216, 85.006-M-0217, 85.006-M-0218, 85.006-M-0219, 85.006-M-0220, 85.006-M-0237, 85.006-M-0238, 85.006-M-0239, 85.006-M-0240, 85.006-M-0241, 85.006-M-0242, 85.006-M-0243, 85.006-M-0244, 85.006-M-0245, 85.006-M-0246, 85.006-M-0247, 85.006-M-0248, 85.006-M-0249, 85.006-M-0250, 85.006-M-0251, 85.006-M-0252, 85.006-M-0253, 85.006-M-0254, 85.006-M-0255, 85.006-M-0256, 85.006-M-0257, 85.006-M-0258, 85.006-M-0259, 85.006-M-0260, 85.006-M-0261, 85.006-M-0262, 85.006-M-0263, 85.006-M-0264, 85.006-M-0265, 85.006-M-0266, 85.006-M-0267, 85.006-M-0268, 85.006-M-0269, 85.006-M-0270, 85.006-M-0271, 85.006-M-0272, 85.006-M-0273, 85.006-M-0274, 85.006-M-0275, 85.006-M-0276, 85.006-M-0277, 85.006-M-0278, 85.006-M-0279, 85.006-M-0280, 85.006-M-0281, 85.006-M-0282, 85.006-M-0283, 85.006-M-0284, 85.006-M-0285, 85.006-M-0286, 85.006-M-0287, 85.006-M-0288, 85.006-M-0289, 85.006-M-0290, 85.006-M-0291, 85.006-M-0292, 85.006-M-0293, 85.006-M-0294, 85.006-M-0295, 85.006-M-0296, 85.006-M-0297, 85.006-M-0298, 85.006-M-0299, 85.006-M-0300, 85.006-M-0301, 85.006-M-0302, 85.006-M-0303, 85.006-M-0304, 85.006-M-0305, 85.006-M-0306, 85.006-M-0307, 85.006-M-0308, 85.006-M-0309, 85.006-M-0310, 85.006-M-0311, 85.006-M-0312, 85.006-M-0313, 85.006-M-0314, 85.006-M-0315, 85.006-M-0316, 85.006-M-0317, 85.006-M-0384, 85.006-M-0385, 85.006-M-0386, 85.006-M-0387, 85.006-M-0388, 85.006-M-0439, 85.006-M-0440, 85.006-M-0441, 85.006-M-0442, 85.006-M-0443, 85.006-M-0444, 85.006-M-0445, 85.006-M-0446, 87.047-M-0098, 87.047-M-0099, 87.047-M-0100, 87.047-M-0101, 87.047-M-0102, 87.047-M-0103 - Cyangugu (02 29 00 S 28 53 48 E, 1537 m): **SMF**: 52479, 52480 - Cyili (020300S 294600E): **RMCA**: 85.006-M-0221, 85.006-M-0222, 85.006-M-0223, 85.006-M-0224, 85.006-M-0225, 85.006-M-0226, 85.006-M-0227, 85.006-M-0228, 85.006-M-0229, 85.006-M-0230, 85.006-M-0231, 85.006-M-0232, 85.006-M-0233, 85.006-M-0234, 85.006-M-0235, 85.006-M-0236, 85.006-M-0318, 85.006-M-0319, 85.006-M-0320, 85.006-M-0321, 85.006-M-0322, 85.006-M-0323, 85.006-M-0324, 85.006-M-0325, 85.006-M-0326, 85.006-M-0327, 85.006-M-0328, 85.006-M-0329, 87.047-M-0104, 87.047-M-0105, 87.047-M-0106, 87.047-M-0107, 87.047-M-0108, 87.047-M-0109, 87.047-M-0110, 87.047-M-0111, 87.047-M-0112, 87.047-M-0113, 87.047-M-0114, 87.047-M-0115, 87.047-M-0116, 87.047-M-0117, 87.047-M-0118, 87.047-M-0119, 87.047-M-0120, 87.047-M-0121, 87.047-M-0122, 87.047-M-0123, 87.047-M-0124, 87.047-M-0125, 87.047-M-0126, 87.047-M-0127, 87.047-M-0128 - Gabiro (01 31 00 S 30 28 00 E, 1400 m): **INPBC**: V3030, V3051 - Gafumba (022744S 294945E): **RMCA**: 85.006-M-0427, 85.006-M-0428, 85.006-M-0429, 85.006-M-0430, 85.006-M-0431, 85.006-M-0432, 85.006-M-0433, 85.006-M-0434, 85.006-M-0435, 85.006-M-0436, 85.006-M-0437, 85.006-M-0438, 87.047-M-0088, 87.047-M-0089, 87.047-M-0090, 87.047-M-0091, 87.047-M-0092, 87.047-M-0093, 87.047-M-0094, 87.047-M-0095, 87.047-M-0096, 87.047-M-0097 - Ihema, lake (015212S 304645E): **RMCA**: 74.023-M-0001, 74.023-M-0002, 74.023-M-0003 - Karama (021600S 301600E): **RMCA**: 82.006-M-0464, 82.006-M-0465, 82.006-M-0466, 82.006-M-0467, 82.006-M-0468, 82.006-M-0469, 82.006-M-0470, 82.006-M-0471, 82.006-M-0472, 82.006-M-0473, 82.006-M-0474, 82.006-M-0475, 82.006-M-0476, 82.006-M-0477, 82.006-M-0478, 82.006-M-0479, 82.006-M-0480, 82.006-M-0481, 82.006-M-0482, 82.006-M-0483, 82.006-M-0484, 82.006-M-0485, 82.006-M-0486, 82.006-M-0487, 82.006-M-0488, 82.006-M-0489, 82.006-M-0490, 82.006-M-0491, 82.006-M-0492, 82.006-M-0493, 82.006-M-0494, 82.006-M-0495, 82.006-M-0496, 82.006-M-0497, 82.006-M-0498, 82.006-M-0499, 82.006-M-0500, 82.006-M-0501, 82.006-M-0502, 82.006-M-0503, 82.006-M-0504, 82.006-M-0505, 82.006-M-0506, 82.006-M-0507, 82.006-M-0508, 82.006-M-0509, 82.006-M-0510, 82.006-M-0511, 82.006-M-0512, 82.006-M-0513, 82.006-M-0514, 82.006-M-0515, 82.006-M-0516, 82.006-M-0517, 82.006-M-0518, 82.006-M-0519, 82.006-M-0520, 82.006-M-0521, 82.006-M-0522, 82.006-M-0523, 82.006-M-0524, 82.006-M-0525, 82.006-M-0526, 82.006-M-0527, 82.006-M-0528 - Kibungo (former) prefecture (02 00 S 30 35 00 E): **SMF**: 66858, 66859, 66860, 66861, 66862 - Kidaho (012212S 294433E, 1944 m): **RMCA**: 87.046-M-0281, 87.046-M-0282, 87.046-M-0283, 87.046-M-0284, 87.046-M-0285, 87.046-M-0286, 87.046-M-0287, 87.046-M-0288, 87.046-M-0289, 87.046-M-0290, 87.046-M-0291, 87.046-M-0292, 87.046-M-0293, 87.046-M-0294, 87.046-M-0295, 87.046-M-0296, 87.046-M-0297, 87.046-M-0298, 87.046-M-0299, 87.046-M-0300, 87.046-M-0301, 87.046-M-0302, 87.046-M-0303, 87.046-M-0304, 87.046-M-0305, 87.046-M-0306, 87.046-M-0307, 87.046-M-0308, 87.046-M-0309, 87.046-M-0310, 87.046-M-0311, 87.046-M-0312, 87.046-M-0313, 87.046-M-0314, 87.046-M-0315, 87.046-M-0316, 87.046-M-0317, 87.046-M-0318, 87.046-M-0319, 87.046-M-0320, 87.046-M-0321, 87.046-M-0322, 87.046-M-0323, 87.046-M-0324, 87.046-M-0325, 87.046-M-0326, 87.046-M-0327, 87.046-M-0328, 87.046-M-0329, 87.046-M-0330, 87.046-M-0331, 87.046-M-0332, 87.046-M-0333, 87.046-M-0334, 87.046-M-0335, 87.046-M-0336, 87.046-M-0337, 87.046-M-0338, 87.046-M-0339, 87.046-M-0340, 87.046-M-0341, 87.046-M-0342, 87.046-M-0343, 87.046-M-0380, 87.046-M-0381, 87.046-M-0382, 87.046-M-0383, 87.046-M-0384, 87.046-M-0385, 87.046-M-0386, 87.046-M-0387, 87.046-M-0388, 87.046-M-0389, 87.046-M-0390, 87.046-M-0391, 87.046-M-0392, 87.046-M-0393, 87.046-M-0394, 87.046-M-0395, 87.046-M-0396, 87.046-M-0397, 87.046-M-0398, 87.046-M-0399, 87.046-M-0400, 87.046-M-0401, 87.046-M-0402, 87.046-M-0403, 87.046-M-0404, 87.046-M-0405, 87.046-M-0406, 87.046-M-0407, 87.046-M-0408, 87.046-M-0409, 87.046-M-0410, 87.046-M-0411, 87.046-M-0412, 87.046-M-0413, 87.046-M-0414, 87.046-M-0415, 87.046-M-0416, 87.046-M-0417, 87.046-M-0418, 87.046-M-0419, 87.046-M-0420, 87.046-M-0421, 87.046-M-0422, 87.046-M-0423, 87.046-M-0424, 87.046-M-0425, 87.046-M-0426, 87.046-M-0427, 87.046-M-0428, 87.046-M-0429, 87.046-M-0430, 87.046-M-0431, 87.046-M-0432, 87.046-M-0433, 87.046-M-0434, 87.046-M-0435, 87.046-M-0436, 87.046-M-0437, 87.046-M-0438, 87.046-M-0439, 87.046-M-0440, 87.046-M-0441, 87.046-M-0442, 87.046-M-0443, 87.046-M-0444, 87.046-M-0445, 87.046-M-0446, 87.046-M-0447, 87.046-M-0448, 87.046-M-0449, 87.046-M-0450, 87.046-M-0451, 87.046-M-0452, 87.046-M-0453, 87.046-M-0454, 87.046-M-0455, 87.046-M-0456, 87.046-M-0457, 87.046-M-0458, 87.046-M-0459, 87.046-M-0460, 87.046-M-0461, 87.046-M-0462, 87.046-M-0463, 87.046-M-0464, 87.046-M-0465, 87.046-M-0466, 87.046-M-0467, 87.046-M-0468, 87.046-M-0469, 87.046-M-0470, 87.046-M-0471, 87.046-M-0472, 87.046-M-0473, 87.046-M-0474, 87.046-M-0475, 87.046-M-0476, 87.046-M-0477, 87.046-M-0478, 87.046-M-0479, 87.046-M-0480, 87.046-M-0481, 87.046-M-0482, 87.046-M-0483, 87.046-M-0484, 87.046-M-0485, 87.046-M-0486, 87.046-M-0487, 87.046-M-0488, 87.046-M-0489, 87.046-M-0490, 87.046-M-0491, 87.046-M-0492, 87.046-M-0493, 87.046-M-0494, 87.046-M-0495, 87.046-M-0496, 87.046-M-0497, 87.046-M-0498, 87.046-M-0499, 87.046-M-0500, 87.046-M-0501, 87.046-M-0502, 87.046-M-0503, 87.046-M-0504, 87.046-M-0505, 87.046-M-0506, 87.046-M-0507, 87.046-M-0508, 87.046-M-0509, 87.046-M-0510 - Kiziguru (Mission) (01 46 00 S 30 24 00 E): **MHNG**: 921.042; **RMCA**: 81.012-M-0060, 81.012-M-0061 - Mabanza (020315S 292500E, 1612 m): **RMCA**: 80.055-M-0162, 80.055-M-0163, 80.055-M-0164 - Mihindi, lake (01 32 S 30 42 E): **INPBC**: W3111.1, W3111.2, W3111.3 - Mugogwe (023032S 294837E): **RMCA**: 87.047-M-0069, 87.047-M-0070, 87.047-M-0071, 87.047-M-0072, 87.047-M-0073, 87.047-M-0074, 87.047-M-0075, 87.047-M-0076, 87.047-M-0077, 87.047-M-0078, 87.047-M-0079, 87.047-M-0080, 87.047-M-0081, 87.047-M-0082, 87.047-M-0083, 87.047-M-0084, 87.047-M-0085, 87.047-M-0086 - Nyamata (020945S 300601E): **RMCA**: 82.006-M-0529, 82.006-M-0530, 82.006-M-0531, 82.006-M-0532, 82.006-M-0533, 82.006-M-0534, 82.006-M-0535, 82.006-M-0536, 82.006-M-0537, 82.006-M-

0538, 82.006-M-0539, 82.006-M-0540, 82.006-M-0541, 82.006-M-0542, 82.006-M-0543, 82.006-M-0544, 82.006-M-0545, 82.006-M-0546, 82.006-M-0547, 82.006-M-0548, 82.006-M-0549, 82.006-M-0550, 82.006-M-0551, 82.006-M-0552, 82.006-M-0553, 82.006-M-0554, 82.006-M-0555, 82.006-M-0556, 82.006-M-0557, 82.006-M-0558, 82.006-M-0559, 82.006-M-0560, 82.006-M-0561, 82.006-M-0562, 82.006-M-0563, 82.006-M-0564, 82.006-M-0565, 82.006-M-0566, 82.006-M-0567, 82.006-M-0568, 82.006-M-0569, 82.006-M-0570, 82.006-M-0571, 82.006-M-0572, 82.006-M-0573, 82.006-M-0574, 82.006-M-0575, 82.006-M-0576, 82.006-M-0577, 82.006-M-0578, 82.006-M-0579, 82.006-M-0580, 82.006-M-0581, 82.006-M-0582, 82.006-M-0583, 82.006-M-0584, 82.006-M-0585, 82.006-M-0586, 82.006-M-0587, 82.006-M-0588, 82.006-M-0589, 82.006-M-0590, 82.006-M-0591, 82.006-M-0592, 82.006-M-0593, 82.006-M-0594, 82.006-M-0595, 82.006-M-0596, 82.006-M-0597, 82.006-M-0598, 82.006-M-0599, 82.006-M-0600, 82.006-M-0601, 82.006-M-0602, 82.006-M-0603, 82.006-M-0604, 82.006-M-0605, 82.006-M-0606, 82.006-M-0607, 82.006-M-0608, 82.006-M-0609, 82.006-M-0610, 82.006-M-0611, 82.006-M-0612, 82.006-M-0613, 82.006-M-0614, 82.006-M-0615, 82.006-M-0616, 82.006-M-0617, 82.006-M-0618, 82.006-M-0619, 82.006-M-0620, 82.006-M-0621, 82.006-M-0622, 82.006-M-0623, 82.006-M-0624, 82.006-M-0625, 82.006-M-0626, 82.006-M-0627, 82.006-M-0628, 82.006-M-0629, 82.006-M-0630, 82.006-M-0631, 82.006-M-0632, 82.006-M-0633, 82.006-M-0634, 82.006-M-0635, 82.006-M-0636, 82.006-M-0637, 82.006-M-0638, 82.006-M-0639, 82.006-M-0640, 82.006-M-0641, 82.006-M-0642, 82.006-M-0643, 82.006-M-0644, 82.006-M-0645, 82.006-M-0646, 82.006-M-0647, 82.006-M-0648, 82.006-M-0649, 82.006-M-0650, 82.006-M-0651, 82.006-M-0652, 82.006-M-0653, 82.006-M-0654, 82.006-M-0655, 82.006-M-0656, 82.006-M-0657, 82.006-M-0658, 82.006-M-0659, 82.006-M-0660, 82.006-M-0661, 82.006-M-0662, 82.006-M-0663, 82.006-M-0664, 82.006-M-0665, 82.006-M-0666, 82.006-M-0667, 82.006-M-0668, 82.006-M-0669, 82.006-M-0670, 82.006-M-0671, 82.006-M-0672, 82.006-M-0673, 82.006-M-0674, 82.006-M-0675, 82.006-M-0676, 82.006-M-0677, 82.006-M-0678, 82.006-M-0679, 82.006-M-0680, 82.006-M-0681, 82.006-M-0682, 82.006-M-0683, 82.006-M-0684, 82.006-M-0685, 82.006-M-0686, 82.006-M-0687, 82.006-M-0688, 82.006-M-0689, 82.006-M-0690, 82.006-M-0691, 82.006-M-0692, 82.006-M-0693, 82.006-M-0694, 82.006-M-0695, 82.006-M-0696, 82.006-M-0697, 82.006-M-0698, 82.006-M-0699, 82.006-M-0700, 82.006-M-0701, 82.006-M-0702, 82.006-M-0703, 82.006-M-0704, 82.006-M-0705, 82.006-M-0706, 82.006-M-0707, 82.006-M-0708, 82.006-M-0709, 82.006-M-0710, 82.006-M-0711, 82.006-M-0712, 82.006-M-0713, 82.006-M-0714, 82.006-M-0715, 82.006-M-0716, 82.006-M-0717, 82.006-M-0718, 82.006-M-0719, 82.006-M-0720, 82.006-M-0721, 82.006-M-0722, 82.006-M-0723, 82.006-M-0724, 82.006-M-0725, 82.006-M-0726, 82.006-M-0727, 82.006-M-0728, 82.006-M-0729, 82.006-M-0730, 82.006-M-0731, 82.006-M-0732, 82.006-M-0733, 82.006-M-0734, 82.006-M-0735, 82.006-M-0736, 82.006-M-0737, 82.006-M-0738, 82.006-M-0739, 82.006-M-0740, 82.006-M-0741, 82.006-M-0742, 82.006-M-0743, 82.006-M-0744, 82.006-M-0745, 82.006-M-0746, 82.006-M-0747, 82.006-M-0748, 82.006-M-0749, 82.006-M-0750, 82.006-M-0751, 82.006-M-0752, 82.006-M-0753, 82.006-M-0754, 82.006-M-0755, 82.006-M-0756, 82.006-M-0757, 82.006-M-0758, 82.006-M-0759, 82.006-M-0760, 82.006-M-0761, 82.006-M-0762, 82.006-M-0763, 82.006-M-0764, 82.006-M-0765, 82.006-M-0766, 82.006-M-0767, 82.006-M-0768, 82.006-M-0769, 82.006-M-0770, 82.006-M-0771, 82.006-M-0772, 82.006-M-0773, 82.006-M-0774, 82.006-M-0775, 82.006-M-0776, 82.006-M-0777, 82.006-M-0778, 82.006-M-0779, 82.006-M-0780, 82.006-M-0781, 82.006-M-0782, 82.006-M-0783, 82.006-M-0784, 82.006-M-0785, 82.006-M-0786, 82.006-M-0787, 82.006-M-0788, 82.006-M-0789, 82.006-M-0790, 82.006-M-0791, 82.006-M-0792, 82.006-M-0793, 82.006-M-0794 - Ratabo Kinazi Gitorams (021300S 295800E): **RMCA**: 35915 - Rubona (021900S 295600E, 1346 m): **RMCA**: 85.006-M-0389, 85.006-M-0390, 85.006-M-0391, 85.006-M-0392, 85.006-M-0393, 85.006-M-0394, 85.006-M-0395, 85.006-M-0396, 85.006-M-0397, 85.006-M-0398, 85.006-M-0399, 85.006-M-0400, 85.006-M-0401, 85.006-M-0402, 85.006-M-0403, 85.006-M-0404, 85.006-M-0405, 85.006-M-0406, 85.006-M-0407, 85.006-M-0408, 85.006-M-0409, 85.006-M-0410, 85.006-M-0411, 85.006-M-0412, 85.006-M-0413, 85.006-M-0414, 85.006-M-0415, 85.006-M-0416, 85.006-M-0417, 85.006-M-0418, 85.006-M-0419, 85.006-M-0420, 85.006-M-0421, 85.006-M-0422, 85.006-M-0423, 85.006-M-0424, 85.006-M-0425, 85.006-M-0426, 87.047-M-0087 - Rukira (021300S 303500E, 1709 m): **RMCA**: 82.006-M-0795, 82.006-M-0796, 82.006-M-0797, 82.006-M-0798, 82.006-M-0799, 82.006-M-0800, 82.006-M-0801, 82.006-M-0802, 82.006-M-0803, 82.006-M-0804, 82.006-M-0805, 82.006-M-0806, 82.006-M-0807, 82.006-M-0808, 82.006-M-0809, 82.006-M-0810, 82.006-M-0811, 82.006-M-0812, 82.006-M-0813, 82.006-M-0814, 82.006-M-0815, 82.006-M-0816, 82.006-M-0817, 82.006-M-0818, 82.006-M-0819, 82.006-M-0820, 82.006-M-0821, 82.006-M-0822, 82.006-M-0823, 82.006-M-0824, 82.006-M-0825, 82.006-M-0826, 82.006-M-0827, 82.006-M-0828, 82.006-M-0829, 82.006-M-0830, 82.006-M-0831, 82.006-M-0832, 82.006-M-0833, 82.006-M-0834, 82.006-M-0835, 82.006-M-0836, 82.006-M-0837, 82.006-M-0838, 82.006-M-0839, 82.006-M-0840, 82.006-M-0841, 82.006-M-0842, 82.006-M-0843, 82.006-M-0844, 82.006-M-0845, 82.006-M-0846, 82.006-M-0847, 82.006-M-0848, 82.006-M-0849, 82.006-M-0850, 82.006-M-0851, 82.006-M-0852, 82.006-M-0853, 82.006-M-0854, 82.006-M-0855, 82.006-M-0856, 82.006-M-0857, 82.006-M-0858, 82.006-M-0859, 82.006-M-0860, 82.006-M-0861, 82.006-M-0862, 82.006-M-0863, 82.006-M-0864, 82.006-M-0865, 82.006-M-0866, 82.006-M-0867, 82.006-M-0868, 82.006-M-0869, 82.006-M-0870, 82.006-M-0871, 82.006-M-0872, 82.006-M-0873, 82.006-M-0874, 82.006-M-0875, 82.006-M-0876, 82.006-M-0877, 82.006-M-0878, 82.006-M-0879, 82.006-M-0880, 82.006-M-0881, 82.006-M-0882, 82.006-M-0883, 82.006-M-0884, 82.006-M-0885, 82.006-M-0886, 82.006-M-0887, 82.006-M-0888, 82.006-M-0889, 82.006-M-0890, 82.006-M-0891, 82.006-M-0892, 82.006-M-0893, 82.006-M-0894, 82.006-M-0895 - Shangi (022413S 290021E): **RMCA**: 85.006-M-0330, 85.006-M-0331, 85.006-M-0332, 85.006-M-0333, 85.006-M-0334, 85.006-M-0335, 85.006-M-0336, 85.006-M-0337, 85.006-M-0338, 85.006-M-0339, 85.006-M-0340, 85.006-M-0341, 85.006-M-0342, 85.006-M-0343, 85.006-M-0344, 85.006-M-0345, 85.006-M-0346, 85.006-M-0347, 85.006-M-0348, 85.006-M-0349, 85.006-M-0350, 85.006-M-0351, 85.006-M-0352, 85.006-M-0353, 85.006-M-0354, 85.006-M-0355, 85.006-M-0356, 85.006-M-0357, 85.006-M-0358, 85.006-M-0359, 85.006-M-0360, 85.006-M-0361, 85.006-M-0362, 85.006-M-0363, 85.006-M-0364, 85.006-M-0365, 85.006-M-0366, 85.006-M-0367, 85.006-M-0368, 85.006-M-0369, 85.006-M-0370, 85.006-M-0371, 85.006-M-0372, 85.006-M-0373, 85.006-M-0374, 85.006-M-0375, 85.006-M-0376, 85.006-M-0377, 85.006-M-0378, 85.006-M-0379, 85.006-M-0380, 85.006-M-0381, 85.006-M-0382, 85.006-M-0383, 85.006-M-0540 - Tshyohaha, lake (02 15 00 S 30 00 00 E): **RMCA**: 79.010-M-0008.

Senegal:

Unknown locality: **MNHN**: ZM-MO-1869-17, ZM-MO-1985-324; **SMF**: 92759; **ZMB**: 5582, T10302 - Dialocote (1312N 1320W): **USNM**: 379268 - Kedougou (1235N 1209W): **FMNH**: 42166, 42167, 42168, 42169, 42170 - Richard Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1960-82 A, ZM-MO-1960-82 B, ZM-MO-1984-1209, ZM-MO-1984-1364, ZM-MO-1984-1365, ZM-MO-1984-1366, ZM-MO-1984-1367, ZM-MO-1984-1368, ZM-MO-1984-1369, ZM-MO-1984-1370, ZM-MO-1984-1371, ZM-MO-1985-261 - Saint Louis, 10 km SE (ca. 15 59 N 16 26 00 W): **USNM**: 380296 - Senegal, Upper: **MNHN**: ZM-MO-1920-236 A, ZM-MO-1920-236 B, ZM-MO-1920-236 C - Tambacounda (134514N 134531W, 61 m): **FMNH**: 42171 - Ziguinchor (1235N 161619W, 15 m): **USNM**: 377968.

Seychelles:

Aldabra (0923.339S 4612.142E): **FMNH**: 205318, 205319 - Aldabra Island (092500S 462200E): **USNM**: 20991 (Holotype *Nyctinomus pusillus*).

Sierra Leone:

Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547045, 547046, 547047, 547048, 547049, 547050, 547051, 547052, 547053, 547054, 547055, 547056, 547057, 547058 - Panguma, 10 mi N (0817N 1106W): **USNM**: 538470.

Somalia:

Afgoi (020900N 450700E, 77 m): **AMNH**: 188288 - Balad (022100N 452300E, 84 m): **AMNH**: 188289 - Balad, 1 mi S (ca. 0221N 4523E): **AMNH**: 188291, 188292, 188293, 188294, 188295, 188296, 188297, 188298, 188299, 188300, 188301 - Balad, 5 mi S (ca. 0221N 4523E): **AMNH**: 188290 - Libsoma Farm (02 05 N 44 58 E): **BRTC**: 41943 - Villagio Duca delgli Abbruzzi (024600N 453100E): **AMNH**: 166923, 166924, 166925, 166926, 166927, 166928.

South Africa:

Unknown locality: **BMNH**: 1916.10.9.2, 1916.10.9.3, 1955.1, 1955.416, 1973.502, 1973.503_1, 1973.503_2, 1973.503_3, 1975.518_1, 1975.518_2 - Albert Falls Public Resort (292640S 302540E, 673 m): **TM**: 38593 - Albert Falls Resource Reserve (29 26 45 S 30 25 43 E, 673 m): **DNSM**: 5908, 6018, 7040, 7041, 7042 - Albert Falls Resource Reserve (29 26 45 S 30 25 43 E, 708 m): **DNSM**: 2152, 2153, 6754 - Amanzimtoti (30 03 00 S 30 52 48 E, 33 m): **DNSM**: 6369 - Amanzimtoti (30 03 00 S 30 52 48 E, 50 m): **DNSM**: 13091, 13092, 13093, 13094, 13361, 6003, 711, 7231, 7378 - Amanzimtoti (30 03 00 S 30 52 48 E, 65 m): **DNSM**: 3559 - Amanzimtoti (30 03 00 S 30 52 48 E, 67 m): **DNSM**: 7401 - Amanzimtoti (30 03 00 S 30 52 48 E, 69 m): **DNSM**: 13096 - Amanzimtoti (30 03 00 S 30 52 48 E, 74 m): **DNSM**: 7377 - Amanzimtoti (30 03 00 S 30 52 48 E, 83 m): **DNSM**: 7229 - Amanzimtoti (30 03 00 S 30 52 48 E, 90 m): **DNSM**: 8003 - Athlone Park (30 00 54 S 30 55 24 E, 104 m): **DNSM**: 7905 - Athlone Park (30 00 54 S 30 55 24 E, 78 m): **DNSM**: 13335 - Ballito-Westbrook (29 32 S 31 13 E): **DNSM**: 7386 - Barberton (2545S 3102E): **TM**: 42634, 42635, 42636, 42637, 42638 - Barberton (2547S 3103E): **TM**: 42839, 42840, 42841, 42842, 42843, 42844, 42845, 42846, 42847, 42848, 42849, 42850, 42851, 42852, 42853 - Bayete Camp (27 46 48 S 32 18 36 E, 56 m): **DNSM**: 8789, 8790, 8791 - Bellair (29 53 S 30 57 E, 57 - 81 m): **DNSM**: 1978 - Bellair (29 53 S 30 57 E, 57 m): **DNSM**: 829 - Bellair (29 53 S 30 57 E, 81 m): **DNSM**: 833 - Berea (29 51 S 31 00 E, 23 - 123 m): **DNSM**: 32 - Bluff (29 55 54 S 31 00 48 E, 20 - 81 m): **DNSM**: 7387 - Bluff (29 55 54 S 31 00 48 E, 40 m): **DNSM**: 7385 - Bluff (29 55 54 S 31 00 48 E, 91 m): **DNSM**: 5341 - Blythedale Beach, Minivillas (29 22 23 S 31 20 57 E, 75 m): **DNSM**: 8597 - Bonamanzi Game Reserve (28 06 S 32 18 E, 63 m): **DNSM**: 4433, 4434, 4436, 4463, 4464, 4465, 4466, 4467, 4468, 4469 - Briardene (29 47 53 S 31 00 56 E, 35 m): **DNSM**: 10781 - Burman Bush Nature Reserve (29 48 58 S 31 00 57 E, 100 m): **DNSM**: 5670 - Cape Vidal (28 04 S 32 32 E): **TM**: 40720 - Cape Vidal Nature Reserve, E shores (28 08 39 S 32 32 48 E, 50 m): **DNSM**: 6019, 6021, 6022, 6023 - Carrington Heights (29 52 59 S 30 58 01 E): **DNSM**: 7907 - Charter's Creek (28 12 00 S 32 24 50 E, 20 m): **DNSM**: 7525, 7526; **MNHN**: ZM-2012-16; **TM**: 24472, 42503, 42611, 42612, 42613 - Chatsworth (29 55 07 S 30 53 30 E, 199 m): **DNSM**: 3557, 5666, 5667, 5668 - Chatsworth (29 55 07 S 30 53 30 E, 252 m): **DNSM**: 5608 - Cowies Hill (29 49 00 S 30 53 00 E, 346 m): **DNSM**: 7508 - Doonside (30 04 00 S 30 53 00 E, 24 m): **DNSM**: 7245, 7246 - Dukuduku Forest Station (28 23 00 S 32 19 00 E): **TM**: 40367, 40368, 40369, 40370 - Durban (29 51 00 S 31 01 00 E, 10 m): **DNSM**: 8348 - Durban (29 51 00S 31 01 00 E, 27 m): **AMNH**: 244321, 244322; **HNHM**: 2001.6.3 - Durban (29 51 S 31 00 E): **DNSM**: 33, 7250 - Durban International Airport (29 58 01 S 30 56 31 E): **DNSM**: 13098, 13099, 7363, 7392, 7537 - Durban North (29 48 00 S 31 02 00 E, 107 m): **DNSM**: 7248 - Durban North (29 48 00 S 31 02 00 E, 138 m): **DNSM**: 7002 - Durban North (29 48 00 S 31 02 00 E, 55 m): **DNSM**: 4041 - Durban North (29 48 00 S 31 02 00 E, 88 m): **DNSM**: 3973, 4562 - Durban North (29 48 00 S 31 02 00 E, 95m): **DNSM**: 3546 - Durban North (29 48 00 S 31 02 00 E, 96 m): **DNSM**: 3558, 3560, 3561 - Durban, 48 km NW (29 35 S 30 37 E): **ROM**: 46023, 46024, 46025, 46026, 46027 - Elim Hospital (2309S 3003E): **TM**: 39003 - Emseleni (2737S 3207E): **TM**: 5571, 5572, 5573 - Eshowe (28 53 S 31 28 E, 540 m): **DNSM**: 4492 - Farm Fleur de Lys 195KU (2437S 3107E): **TM**: 47717 - Farm Leeuwspoor 647, on Pongola river (2725S 3152E): **TM**: 27981 - Farm Leeuwspoor 647, on Pongola Road (2725S 3152E): **TM**: 24974, 24975, 24976, 24977, 24978, 24979, 24980, 24982 - Farm Othawo 242, Sabie Sand Private Nature Reserve (2445S 3126E): **TM**: 24044 - Farm Scrutton 23MT (222100S 302100E, 1450 ft): **TM**: 20337, 20338 - Farm Welgevonden 449 (23 32 S 28 26 E, 860 m): **DNSM**: 13550 - Fig Tree Camp (22 26 00 S 31 11 00 E): **TM**: 36610, 36931 - Fig Tree Forest (222530S 311130E): **TM**: 37119 - Futululu Research Station (28 27 S 32 15 E): **TM**: 40084 - Fynnlands (29 53 46 S 31 01 36 E, 18 m): **DNSM**: 3748, 3751, 3752 - Gazankulu, Manyeleti Game Reserve, Main Camp (2438S 3128E): **TM**: 39231, 40081, 40744 - Gazankulu, Manyeleti Game Reserve, Main Camp, Albatros (2432S 3116E): **TM**: 40745 - Glenhills (29 47 S 31 02 E, 116 m): **DNSM**: 2463, 4730 - Glenwood (29 50 S 31 00 E, 147 m): **DNSM**: 6914 - Glenwood (29 50 S 31 00 E, 29 m): **DNSM**: 8440 - Greyville (29 50 29 S 31 00 56 E, 14 m): **DNSM**: 14241 - Greyville (29 50 29 S 31 00 56 E, 19 m): **DNSM**: 6363 - Gwalali (2225S 3118E): **TM**: 38846, 38847, 38850 - Hans Merensky Nature Reserve (2340S 3041E): **TM**: 24574, 24575, 24576, 24577, 24578, 24579, 24580, 24581, 24582, 24583, 24584, 24599 - Harold Johnson Nature Reserve (29 12 00 S 31 25 36 E): **DNSM**: 4471, 5531, 5532 - Hazelmere Dam (2936S 3101E): **TM**: 39426 - Hells Gate (28 02 35 S 32 25 45 E, 39 m): **DNSM**: 11430, 6283, 6284, 6285, 6286, 6287, 6298, 6299, 6300, 6301, 6302, 6305, 6306, 6307, 6308, 6309, 6310, 6311, 6312, 6313, 6314, 6851, 6852, 6853, 6855, 6858, 6859, 6860, 7367, 7368, 7371 - Hells Gate (marine channel) (28 02 35 S 32 25 45 E, 39 m): **DNSM**: 7369, 7370, 7372, 7381, 7382, 7384 - Hells Gate Military Base (28 02 35 S 32 25 45 E, 39 m): **HNHM**: 2001.6.10, 2001.6.11, 2001.6.12, 2001.6.8, 2001.6.9 - Hilton (29 31 S 30 18 E, 1137 m): **DNSM**: 6006 - Hlabisa (28.18S 31.95E): **KM**: 28122 - Hlatikulu Forest Reserve (27 19 25 S 31 59 21 E, 658 m): **DNSM**: 13368, 13369 - Hoedspruit (2427S 3102E): **TM**: 43870 - Illovo (30 05 42 S 30 49 52 E, 48 m): **DNSM**: 7913 - Iphiva Camp (28 21 11 S 32 25 50 E, 20 m): **DNSM**: 5951, 5952, 5953, 6789 - Iphiva Camp (28 21 11 S 32 25 50 E, 21 m): **DNSM**: 6790 - Isipingo (29 59 S 30 56 E, 29 m): **DNSM**: 5089, 5090, 5091, 5092, 5579, 5580, 5581, 5582, 5583, 5584, 5585, 5586; **TM**: 45445, 45446, 45447, 45448, 45449, 45450, 45451, 45452, 45453, 45454, 45455 - Jozini (27 26 00 S 32 04 00 E, 115 m): **TM**: 38485 - Kamberg Nature Reserve (29 29 S 29 41 E, 1800 m): **DNSM**: 4283 - Kenneth Stainbank Nature Reserve (29 55 S 30 56 E, 133 m): **DNSM**: 12574, 3679 - Kensington (29 46 45 S 31 02 32 E): **DNSM**: 13338 - Khayalami Bay (29 25 34 S 30 23 39 E, 663 m): **DNSM**: 7335, 7336, 7337, 7338, 7339, 7340, 7341, 7343, 7344 - Kingpark (29 49 31 S 31 01 50 E): **DNSM**: 6870 - Kingsburgh (30 05 00 S 30 52 00 E, 0 - 51 m): **DNSM**: 13344 - Kloof (29 47 S 30 50 E, 497 m): **DNSM**: 7074 - Kloof (29 47 S 30 50 E, 498 m): **DNSM**: 6925 - Komatipoort (25 26 00 S 31 56 E, 137 m): **DNSM**: 7247 - Kosi Bay (26 54 S 32 52 E): **USNM**: 351437 - Kosi Bay estuary (26 54 S 32 52 E): **TM**: 25980, 25981, 25982, 25983, 25984, 25985, 25986, 25987, 25989, 25990, 25991 - Kosi Bay Nature Reserve (26 57 21 S 32 49 25 E, 39 m): **DNSM**: 6815, 7038, 7060 - Kruger NR, Pafur (22.45S 31.3E): **KM**: 31384 - Kruger-NP, WNLA HQ (2427S 3118E): **TM**: 29891, 29892, 29893 - Kube Yini Private Game Reserve (27 48 31 S 32 13 35 E): **DNSM**: 11669 - KwaSheleni (28 10 44 S 32 31 15 E, 40 m): **DNSM**: 4284, 4285, 4286 - KwaZulu-Natal province: **DNSM**: 7380, 7383; **HNHM**: 2001.6.13 - Letaba (23 51 16 S 31 34 17 E): **AMNH**: 257459, 257460 - Letaba Camp, 1 km SE (23

51 43 S 31 34 47 E): **TM**: 39580 - Letaba Ranch (23 36 44 S 31 05 20 E): **TM**: 25556, 25557, 25558, 25559 - Letaba Rest Camp, 8 km SE (23 54 34 S 31 37 37 E): **TM**: 39614, 39615 - Lister Point Camp (27 58 S 32 22 E, 54 m): **DNSM**: 2267, 2268 - Lower Sabi Camp (25 07 00 S 31 55 00 E): **SMF**: 12180, 12212 - Magoeskloof (23 50 S 30 10 E): **TM**: 46008 - Makatini Flats, 20 mi [=32 km] E (27 15 S 32 21 E): **USNM**: 351434, 351435 - Malelane (2527S 3130E): **TM**: 30008, 30009, 30010, 30011, 30012, 30013, 30014, 30015 - Malelane (2528S 3131E): **TM**: 2485, 2486 - Malelane (2529S 3131E): **TM**: 42592, 42593, 42594, 42595, 42596, 42597, 42598, 42599, 42600, 42601, 42602, 42603 - Malelane Estate (2529S 3131E): **TM**: 2488 (Holotype *Chaerophon pumilus elphicki*) - Malvern (29 53 S 30 55 E, 179 m): **DNSM**: 12649, 12650, 12651 - Manor Gardens (29 51 53 S 30 58 32 E, 65 m): **DNSM**: 8001 - Mantuma Camp (27 35 46 S 32 13 03 E, 103 m): **DNSM**: 10291, 10669, 10678, 9526, 9528 - Mapelane (28 24 S 32 25 E): **DNSM**: 4012 - Maputa (27.0S 32.75E): **USNM**: 351385, 351386, 351387, 351388, 351389, 351390, 351391, 351392, 351393, 351394, 351395, 351396, 351397, 351398, 351399, 351400, 351401, 351402, 351403, 351404, 351405, 351406, 351407, 351408, 351918, 351919, 351920, 351921, 351922, 351923, 351924, 351925, 351926, 351927, 351928 - Marloth Park (25 22 S 31 47 E, 210 m): **FMNH**: 195608, 195609, 195610, 195611, 195612, 195613, 195614, 195615 - Masimba Camp (28 16 37 S 31 56 41 E): **DNSM**: 3270 - Masinda Camp (2821S 3159E): **ROM**: 45571, 45573, 45574, 45763, 76108 - Mayville (25 43 S 28 11 E, 84 m): **DNSM**: 6358, 6920 - Merebank (29 57 06 S 30 57 23 E, 19 m): **DNSM**: 11488 - Messina Nature Reserve, banks of the Sand River (222512S 300448E): **TM**: 44199 - Mission Rock (2816S 3230E): **TM**: 35369 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **USNM**: 351409, 351410, 351411, 351412, 351413, 351414, 351415, 351416, 351417, 351418, 351419, 351420, 351421, 351422, 351423, 351424, 351425, 351426, 351427, 351428, 351429, 351430, 351431, 351432, 351433 - Mokeetsi (2340S 3005E): **TM**: 8908 - Montclair (29 55 14 S 30 58 08 E, 70 m): **DNSM**: 6917 - Mooketsi (233500S 300500E): **TM**: 47155, 47156 - Mopani (22 36 S 29 51 E, 721 m): **MNHN**: ZM-2012-11, ZM-2012-12, ZM-2012-13, ZM-2012-14 - Morningside (29 50 S 31 00 E, 23 - 108 m): **DNSM**: 3520, 6918 - Morningside (29 50 S 31 00 E, 23 m): **DNSM**: 2468, 3521, 3522, 3523, 3524, 3525, 3526, 7379 - Mosely (29 51 35 S 30 52 51 E): **DNSM**: 31 - Mount Edgecombe (29 42 00 S 31 04 00 E, 116m): **HNHM**: 2001.6.4, 2001.6.5 - Mount Moreland (29 38 33 S 31 05 37 E, 34 m): **DNSM**: 6344 - Mountain Lakes Adventure Campsite (27 24 36 S 32 03 36 E): **DNSM**: 5104, 5105, 5106, 5107 - Mpalane Lodge (27 23 44 S 32 04 22 E, 172 m): **DNSM**: 7857, 7859 - Nagle Dam fish hatchery (29 35 25 S 30 37 18 E, 400 m): **DNSM**: 8956 - Nagle Dam Lodge (29 36 S 30 38 E, 365 m): **DNSM**: 8029, 8954, 8955, 8958, 8959 - Ndumo Game Reserve (26 52 00 S 32 15 00 E): **DNSM**: 13370, 13371, 13372, 13373, 13375, 13376, 13377, 13380, 13381, 13382, 13383, 13384, 13385; **ROM**: 41761, 41762, 41763, 41764 - Ndumo Police Post (26 55 00 S 32 15 00 E): **ROM**: 41715, 41716, 41717, 41742, 41743 - Ndumu Game Reserve (2652S 3222E): **TM**: 17038, 17039, 17040, 35230, 35240, 35241, 35242, 35243, 35244, 35245 - Ndumu store (2652S 3222E): **TM**: 7139, 7140, 7141, 7142 - New Germany (29 46 57 S 30 52 20 E, 697 m): **DNSM**: 6379 - Newington (2449S 3117E, 487 m): **ROM**: 41744, 41745, 41746, 41747, 41748, 41749, 41750 - Newlands West (29 47 16 S 30 57 29 E): **DNSM**: 7062 - Ngwenya Lodge (25 22 37 S 31 51 32 E): **TM**: 46051, 46052 - Nhlange, Lake (27 00 00 S 32 50 00 E): **WAM**: M34153, M34154 - Northdene (29 52 00 S 30 53 00 E, 253 m): **DNSM**: 3887, 5740 - Northern Sewage Works (29 52 S 31 00 E): **TM**: 36158, 36159, 36160, 36161, 36162, 36163, 36164, 36165, 36166, 36167, 36168, 36169, 36170, 36171, 36172, 36173, 36174, 36175, 36176, 36177, 36178, 36179, 36180, 36181, 36183, 36184, 36185, 36186, 36187, 36188, 36189, 36190, 36191 - Nwanedzi River, old bridge over (24 24 S 31 50 E): **TM**: 39623 - Nyalazi Forest Reserve (28 09 00 S 32 23 00 E): **KU**: 135016, 135886; **TM**: 42508, 42604, 42605, 42606, 42607, 42608, 42610 - Ocean View Farm (30 20 20 S 30 43 52 E): **DNSM**: 8030 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36509, 36510, 36511, 36512, 37072, 39508 - Olifants Camp, 7 km W (2401S 3139E): **TM**: 39596, 39597 - Oribi Gorge Nature Reserve (30 43 S 30 16 E): **TM**: 30697, 33362, 33363, 33364, 33365 - Overport (29 50 20 S 30 59 24 E): **DNSM**: 6371, 6903, 6912, 7059 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 38284, 38286, 48530, 48531, 48532, 48581 - Pafuri area (222530S 311230E): **AMNH**: 257461, 257471 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 29845, 29846, 29847 - Pafuriv area (II) (22 27 S 31 18 E): **KNP**: 123 - Paradise Valley Nature Reserve (29 48 S 30 53 E, 274 m): **DNSM**: 10127, 10128, 10129, 10131, 12410 - Phinda Game Reserve (27 51 49 S 32 16 29 E, 120 m): **DNSM**: 11843, 11845, 12852 - Phinda Mountain Lodge (27 53 02 S 32 16 58 E, 99 m): **DNSM**: 13149, 13150, 13151, 13152, 13153 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **DNSM**: 6862 - Pinetown (29 49 S 30 51 E, 359 m): **DNSM**: 7910 - Pinetown (29 49 S 30 52 E, 343 m): **DNSM**: 13095 - Pinetown (29 49 S 30 52 E, 351 m): **DNSM**: 13089 - Pinetown (29 49 S 30 52 E, 359 m): **DNSM**: 6905, 721, 8823 - Pongola River Bridge, on Jozini - Kosi Road (27 02 13 S 32 15 58 E, 37 m): **DNSM**: 5904 - Pongolapoort Dam (27 25 08 S 32 04 16 E, 122 m): **TM**: 43867 - Port Edward (31 03 03 S 30 13 41 E, 625 m): **DNSM**: 13402 - Punda Malia (2241S 3101E): **TM**: 13538, 13539, 29954, 29955, 29956, 29957, 29958, 30580, 30581, 30598, 30609, 30610, 30611, 30612, 30625, 30626, 30627, 30648, 30676 - Punda Maria (22 41 00 S 31 01 00 E): **KNP**: 60, 61, 80 - Punda Maria Camp, 2 km N (22 41 S 31 02 E): **AMNH**: 257462, 257463, 257464 - Punda Milia Camp (22 41 51 S 31 01 12 E, 580 m): **TM**: 12995, 12996, 12997, 29950 - Punda Milia Police post (22 41 51 S 31 01 12 E, 580 m): **TM**: 12993, 12994 - Punda Milia, pumphouse (22 41 51 S 31 01 12 E): **TM**: 29951, 29952, 29953 - Renishaw (30 16 S 30 45 E): **DNSM**: 4298 - Rocktail Bay (27 13 17 S 32 47 36 E): **TM**: 48619, 48620, 48621, 48622, 48623 - Rossburgh (29 54 21 S 30 58 47 E, 28 m): **DNSM**: 5749 - Sabie Forest Rest Area (250800S 303900E): **MVZ**: 216845, 216846 - Satara Rest Camp (24 23 52 S 31 46 42 E): **AMNH**: 257465, 257466, 257467, 257468, 257469, 257470 - Satara Rustkamp (24 23 52 S 31 46 42 E): **ZMA**: MAM.08300, MAM.08301 - Scottburgh (30 17 S 30 45 E, 10 - 59 m): **DNSM**: 6437, 96, 97, 98, 99 - Scottburgh (30 17 S 30 45 E, 10 m): **DNSM**: 13334, 13337, 13339, 13340, 13341, 13342, 715, 716 - Scottburgh (30 17 S 30 45 E, 59 m): **DNSM**: 100 - Sea View, Durban (29 53 26 S 030 57 48 E, 65 m): **DNSM**: 3749, 3750 - Seaview (29 53 26 S 30 57 48 E, 58 - 65 m): **DNSM**: 5114 - Shore Nature Reserve, NE (2722S 3237E): **TM**: 33368, 33369 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **KNP**: 02, 104, 110, 170, 172, 188, 189, 20, 22, 89, 90; **TM**: 30067, 30076, 30077, 30078, 36519, 36520, 36521, 36522, 36523, 36524, 36525, 36526, 36527, 36528, 36529, 36530 - Skukuza Camp (24 59 00 S 31 36 00 E, 240 m): **MNHN**: ZM-MO-1980-535, ZM-MO-1980-536, ZM-MO-1980-537, ZM-MO-1980-538 - Skukuza lab buildings (24 59 S 31 35 E, 240 m): **TM**: 36477, 36478, 36479, 36480, 36481, 36482, 36483, 36484, 36485, 36486, 36489, 36490, 36491, 36492, 36493, 36494, 36495, 36496, 36497, 36498, 36499, 36587, 36588, 36589, 36590, 36591, 36592, 36593, 36690, 36691, 36692, 36693, 36727, 36728, 36729, 36730, 36731, 36732, 36733, 36734, 36735, 36736, 36822, 36823, 36824, 36825, 36826, 36827, 36828, 36829, 36830, 36831, 36832, 36896, 36897, 36898, 36899, 36900, 36901, 36902, 36903, 37018, 37019, 37020, 37021, 37022, 37023, 37024, 37025, 37026, 37091, 37092, 37093, 37094, 37095, 37096, 37097, 37098, 37099, 37100, 37101, 37102, 37302, 37303, 37304, 37305, 37306, 37307, 37308, 37309, 37310, 37311, 37481, 37482, 37483, 37484, 37485, 37486, 37487, 37702, 37703, 37705, 37706, 37707, 37708, 37709, 37710, 37711, 37776, 37777, 37778, 37779, 38290, 38291, 38292, 38293, 38294, 38295, 38296, 38297, 38298, 38299, 38300, 38301, 38302 - Skukuza River Bank Rondawels (24 59 41 S 31 35 25 E): **KNP**: 01 - Skukuza Town (24 59 S 31 35 E, 240 m): **TM**: 37191, 37192, 37193, 37194, 37195, 37196, 37197, 37198, 37199, 37200, 37201, 37202, 37295, 38303, 38304, 38305, 38306, 38307, 38308, 38309, 38310, 38311, 38312, 38313, 38314,

38315, 38316 - Skukuza Village (24 59 S 31 35 E, 240 m): **TM**: 37112, 37113, 37114, 37115, 37116, 37117, 37118 - St. Lucia (28 23 S 32 25 E, 20 m): **DNSM**: 2442; **TM**: 16536, 38271, 38272 - St. Lucia (28 23 S 32 25 E, 26 m): **DNSM**: 5337 - St. Lucia Village (28 23 S 32 25 E): **TM**: 38270 - Stoltzneck Ranger's Post (2522S 3122E): **TM**: 30042 - Sudwala Cave (25 22 S 30 42 E, 845 m): **TM**: 41903 - Tembe Elephant Park (27 02 36 S 32 25 23 E, 84 m): **DNSM**: 4800, 4801, 4802, 4803; **TM**: 45327 - Tembe Elephant Park, east of HQ, pan (2703.699S 3227.102E, 65 m): **DNSM**: 8497 - Tembe National Park (270236S 322523E, 84 m): **MNHN**: ZM-MO-1996-554, ZM-MO-1996-555, ZM-MO-1996-556 - Ten Bosch Estates (2520S 3150E): **TM**: 24884, 24885, 24886, 24887, 24888, 24889, 24890, 24891, 24892, 24893, 24894, 24895, 24896, 24897, 24898, 24899, 24900, 24901, 24902, 24903 - Three Rivers,11 Spey Drive (2639S 2756E): **TM**: 43868 - Timbavati (2422S 3122E): **TM**: 46448, 46449 - Tongaat (29 34 20 S 31 07 00 E, 0 m): **DNSM**: 5754 - Tshipise (2236S 3010E, 501 m): **USNM**: 384319, 384320, 384321, 384322, 384323, 384324, 384325, 384326, 384327, 384328, 384329, 384330, 384331 - Tshipise, 1 mi NE (ca. 2236S 3010E): **USNM**: 384311, 384312, 384313, 384314, 384315, 384316, 384317, 384318, 384773, 384774, 384778, 384779 - Tshokwane (24 46 35 S 31 51 21 E): **KNP**: 49 - Twin Streams (28 58 S 31 42 E): **DNSM**: 5343 - Umbilo (29 53 21 S 30 59 04 E, 28 m): **DNSM**: 3488, 3867 - Umbilo (29 53 21 S 30 59 04 E, 48 m): **DNSM**: 102, 7851 - Umbilo (29 53 21 S 30 59 04 E, 66 m): **DNSM**: 3658 - Umdoni Park (30 24 S 30 41 E, 50 m): **KU**: 135882, 135883, 135884, 135885; **TM**: 42630, 42631, 42632, 42633 - Umgababa (30 08 44 S 30 50 00 E): **DNSM**: 7398 - Umgeni Fish Hatchery (29 35 25 S 30 37 18 E, 400 m): **ROM**: 45568, 45569, 45570, 45572, 45575, 45576, 45748, 45749, 45750, 45751, 45752, 45753, 45754, 45755, 45756, 45757, 45758, 45759, 45760, 45761, 45762, 45764, 45765, 45766, 45767, 45768, 76109, 76110, 76111, 76112; **TM**: 40719 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 10267, 9523, 9524, 9525, 9527 - Umkomaas (30 12 S 30 48 E, 36 m): **DNSM**: 7244 - Umpila Cave (27 34 59 S 32 13 01 E): **DNSM**: 7373, 7374 - University of Durban (29 49 02 S 30 56 43 E, 189 m): **DNSM**: 6872 - University of Natal (29 52 02.75 S 30 58 39.93 E, 108m): **DNSM**: 5448 - Uvongo (3050S 3025E): **FMNH**: 152979, 152980, 152981, 152982, 152983, 152984, 152985, 152986 - Uvongo Beach (3050S 3025E): **FMNH**: 152987 - Venterskroon (26 52 48 S 26 16 12 E): **TM**: 42686 - Veralum (29 39 08 S 31 02 21 E): **DNSM**: 13077 - Warner Beach (30 05 S 30 52 E, 67 m): **DNSM**: 680 - Waterfall (29 45 S 30 50 E, 484 m): **DNSM**: 8828 - Westmead (29 49 24 S 30 49 55 E, 335 m): **DNSM**: 5476, 7242 - Westridge (29 51 25 S 30 58 44 E, 141 m): **DNSM**: 5578 - Westville (29 50 S 30 56 E, 205 m): **DNSM**: 1852 - Westville (29 50 S 30 56 E, 286 m): **DNSM**: 4456, 7077 - Yellowwood Park (29 54 S 30 55 E, 118 m): **DNSM**: 13333, 5942, 7056, 8439 - Ziqhumene (2811S 3157E): **TM**: 40718.

South Sudan:

Bor (06 12 26 N 31 33 33 E, 406 m): **FMNH**: 29032; **ROM**: 77222 - Gondokoro (0454N 3140E): **USNM**: 164970, 164971, 164972, 166679, 166682, 166683, 166684, 166685, 166686, 166687 - Juba (0450N 3135E): **FMNH**: 68123, 68124, 68125, 68126, 68127, 68128, 68129, 68130, 68131, 68132, 68133, 68163, 68164, 74148, 74149; **USNM**: 317941 - Juba (0450N 3135E, 549 m): **FMNH**: 67336 - Juba (045100N 313700E, 550 m): **AMNH**: 184395, 184400, 184401, 184406 - Lafon (0505N 3229E, 549 m): **FMNH**: 67334, 67335 - Lafon (0505N 3229E, 604 m): **FMNH**: 68122 - Malakal (09 32 13 N 31 39 22 E, 276 m): **FMNH**: 144053, 144054, 144055, 144056, 144057, 144058, 144059, 144060, 144061, 144062, 144063, 85458, 85459, 85460, 85461, 99223, 99224, 99225, 99226, 99227, 99228, 99229, 99230, 99231, 99232, 99233, 99234, 99235, 99236, 99237, 99238, 99239, 99240, 99248; **USNM**: 317945, 317946, 317949, 317950, 317951, 317952 - Malakal, 50 mi N (1015N 3149E): **FMNH**: 144064 - Mbili (0701N 2759E): **MSU**: MR.33450 - Mongalla (051057N 314500E, 457 m): **FMNH**: 67332 - Mongalla (051057N 314500E, 466 m): **FMNH**: 48767, 48768; **USNM**: 166671, 166672, 166673, 166674, 166675, 166676, 166677, 166678, 297474 - Northern District: **FMNH**: 144045, 144046, 144047, 144048, 144049, 144050, 144051, 144052 - Nyibor, Lake (06 55 N 30 10 E): **AMNH**: 184398, 184399, 184402, 184403, 184404, 184405, 184518, 184519 - Rumbeck (0648N 2941E, 406 m): **MSU**: MR.33460 - Torit (0427N 3231E, 610 m): **FMNH**: 73885, 74147, 78242, 79607 - Torit (0427N 3231E, 631 m): **FMNH**: 79569 - Torit District (ca. 0425N 3235E, 3000 ft): **AMNH**: 184496 - Wau (07 42 00 N 28 00 00 E): **MSU**: MR.33447, MR.33448, MR.33449 - Wau (074200N 280000E): **MSU**: MR.33504, MR.33505 - Yirol (063324N 303013E, 438 m): **FMNH**: 78241 - Yirol District (ca. 0633N 3030E, 3000 ft): **AMNH**: 184396, 184397.

Sudan:

Unknown locality: **BMNH**: 1920.4.26.5, 1920.4.26.6, 1928.1.11.44, 1928.1.11.45, 1928.1.11.46, 1933.10.14.3, 1956.472, 1956.473, 1956.474, 1966.3488, 1966.3489, 1966.3490, 1977.477; **ROM**: 77223 - An Nil al Azraq state: **SMF**: 32576 - Barakat (1419N 3332E, 415 m): **ROM**: 77221 - Bunzuga (12 31 N 34 09 E, 440 m): **SMF**: 32582, 32583, 32584, 32585, 32586, 32587, 32588, 32589, 32590, 32591, 32592, 32593, 33013 - El Garef (1203N 3419E): **MCZ**: 14460, 14461, 14616, 14617 - Jebelein (12 35 25 N 32 48 03 E, 380 m): **SMF**: 32611, 32612, 32613, 32614, 32615, 32616, 32617, 32618, 32619, 32620, 32621, 32622, 32623, 32624, 32625, 32626, 32627, 32628, 32629, 32630, 32631, 32632, 32633, 32634, 32635, 32636, 32637 - Mangangani (ca. 1536N 3232E): **AMNH**: 54406 - Sennar (13 33 N 33 38 E, 390 m): **FMNH**: 81549; **SMF**: 32574, 32575 - Wad Medani (14 24 N 33 32 E, 414 m): **FMNH**: 66675, 66676, 66677, 85452, 85453, 85455, 85456, 85457; **ROM**: 77220; **SMF**: 32569, 32570, 32571, 32572, 32573, 32577, 32578, 32579, 32580, 32581; **USNM**: 317942, 317943, 317944, 368923, 368924.

Swaziland:

Unknown locality: **BMNH**: 1989.46, 1989.47 - Allen's Farm (2633S 3116E): **TM**: 45705 - Big Bend (2647S 3156E): **TM**: 44895 - Franson Christian High (2712S 3124E): **TM**: 45688 - Hlane (2616S 3153E): **TM**: 45311 - Luyengo (2635S 3112E): **TM**: 44893 - Maloma Primary School (270100S 313900E): **TM**: 45776 - Mkhaya Game Reserve (26 37 48 S 31 46 12 E): **TM**: 4443, 45443 - Mkhuzweni Primary School (2553S 3131E): **TM**: 45686 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **DNSM**: 5827, 7922, 8036; **TM**: 44894 - Motshane Portion 2/987 (ca. 26 13 S 31 03 E): **DNSM**: 6232 - Ndabasezwe High School (2716S 3146E): **TM**: 45690 - Ngonini estates (25 48 00 S 31 24 32 E, 421 m): **DNSM**: 13467 - Nkwene High School (2652S 3119E): **TM**: 45691 - Nsoko [=Forbes Ranch] (270200S 315700E): **TM**: 45779 - Our Lady of Sorrows (2716S 3132E): **TM**: 45689 - Python Pool (ca. 26 11 30 S 32 00 18 E): **DNSM**: 5828, 5829, 5830, 5831, 5832, 5833, 5834, 5835, 5836, 5837, 5838, 5839, 5840, 5841, 5842, 5843, 5844 - Rosecraft (26 38 S 31 17 E, 667 m): **DNSM**: 8437 - Sikhunyana (2602S 3135E): **TM**: 45310 - Sithobela Primary School (2653S 3136E): **TM**: 45685 - St. Florence Mission (2614S 3126E): **TM**: 45687 - St. Joseph's (2627S 3127E): **TM**: 45309 - St. Peregrines (2603S 3127E): **TM**: 45544 - Tshaneni (2559S 3143E, 321 m): **ROM**: 68798, 68806, 68828, 68829, 68830, 68831, 68832, 68833, 68847 - T'shaneni (2559S 3143E, 321 m): **FMNH**: 108341 - Tshaneni Iysis Ranch (25 58 S 31 43 E, 302 m): **DNSM**: 5975 - UNISWA, Kwaluseni Campus (26 28 46 S 31 18 25 E, 677 m): **DNSM**: 5978, 5979 - Wylesdale Gold Mine (25 49 S 31 17 E, 542 m): **DNSM**: 8042.

Tanzania:

Unknown locality: **BMNH**: 1861.6.18.5, 1868.2.16.15, 1868.2.16.16, 1868.2.16.17, 1882.2.6.15, 1924.1.1.54, 1924.1.1.55, 1924.1.1.57, 1924.1.1.58, 1924.1.1.59, 1952.805, 1957.496, 1957.497, 1957.498, 1957.499, 1957.500, 1957.501, 1957.502, 1957.503, 1957.504, 1957.505, 1957.506, 1957.507, 1957.508, 1957.509, 1957.510, 1960.91,

1960.92, 1962.980, 1962.981, 1964.1833, 1964.1834, 1964.1835, 1964.1836, 1964.1843, 1964.1844, 1964.1845, 1964.1846, 1964.1847, 1964.1848, 1964.1849, 1964.1850, 1964.1851, 1964.1852, 1964.1853, 1964.1854, 1964.1855, 1964.1856, 1964.1857, 1964.1858, 1964.1859, 1964.1860, 1964.1861, 1964.1862, 1964.1863, 1964.1864, 1964.1865, 1964.1866, 1964.1867, 1964.1868, 1964.1869, 1964.1870, 1964.1871, 1964.1872, 1964.1873, 1964.1874, 1964.1875, 1964.1876, 1964.1877, 1964.1910, 1964.1911, 1964.1912, 1964.1913, 1964.1914, 1964.1915, 1964.1916, 1964.1917, 1964.1918, 1964.1919, 1964.1927, 1964.1928, 1964.1929, 1972.820, 1972.820_1, 1972.820_2, 1972.821, 1976.287, 1976.288, 1977.483, 1978.1540, 1978.1648_1, 1978.1648_2, 1978.1648_3, 1978.1648_4, 1978.1648_5; **RMNH**: MAM.15799, MAM.15800, MAM.15802, MAM.15803, MAM.15928, MAM.15929, MAM.15931, MAM.15933, MAM.16492, MAM.16504, MAM.16505, MAM.16506, MAM.16507, MAM.16639, MAM.16640, MAM.16641, MAM.16642, MAM.16643, MAM.16644, MAM.16645, MAM.16819, MAM.16820, MAM.16821, MAM.16822, MAM.18150, MAM.8712, MAM.8713, MAM.8714, MAM.8715, MAM.8716, MAM.8717, MAM.8718, MAM.8719; **SMF**: 81209, 81211 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **ZMB**: T10519, T10520 - Arusha (03 22 00 S 36 41 00 E, 1254 m): **HNHM**: 2000.53.1, 2000.53.2, 2000.53.3, 2000.53.4, 2000.53.5, 2000.53.6, 2005.70.10, 2005.70.11, 2005.70.12, 2005.70.13, 2005.70.14, 2005.70.15, 2005.70.16, 2005.70.6, 2005.70.7, 2005.70.8, 2005.70.9 - Bukoba (01 19 54 S 31 46 44 E, 1250 m): **RMCA**: 35689 - Bukova T.T.: **AMNH**: 179296, 179297 - Bumbwini (0558S 3911E): **MCZ**: 33122, 33123, 33124, 33125, 33126 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **FMNH**: 27292; **RMCA**: 5073; **USNM**: 536688; **ZMB**: 12124, 53863 - Dar-Es-Salaam region: **SMF**: 74251 - Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187141 - Isamico (02 30 S 32 54 E, 1135 m): **ROM**: 56467, 56469, 56470, 56471 - Karema (ca. 0649S 3026E): **FMNH**: 86656 - Kigoma (045237S 293736E, 775 m): **BMNH**: 1961.52 - Kigoma (0452S 2936E): **FMNH**: 86657 - Kilimanjaro region: **SMF**: 79546 - Kilosa (06 50 S 36 59 E, 572 m): **MCZ**: 20608, 20609, 20610, 20611, 20612, 20613, 20614, 20615, 22823, 22824, 22827, 22828, 23104, 23105, 23106, 23107, 23108, 23110 - Kilossa (06 50 00 S 36 59 00 E, 572 m): **AMNH**: 55536, 55537, 55538 - Kitaya (10 39 S 40 10 E, 45 m): **MCZ**: 38825 - Kulumuzi cave (0504S 3906E): **MNHN**: ZM-MO-1911-73 B - Kulumuzi caves (0504S 3906E): **MNHN**: ZM-MO-1911-73 A - Lindi (10 00 S 37 43 E, 0 m): **ZMB**: 9238 - Lindi region: **SMF**: 79545 - Liwale (09 46 S 37 56 E, 468 m): **ROM**: 35321; **SMF**: 19477, 19478 - Liwale T.T. (09 46 S 37 56 E, 468 m): **AMNH**: 179285 - Makullo [=Makulo] (0409S 3445E): **ZMB**: 3150 - Mbeya region: **SMF**: 66958 - Mfulu (0319S 3649E): **ZMB**: T10499 - Mikindani (10 17 S 40 07 E, 17 m): **SMF**: 25752, 25753, 25754, 27442b, 27446, 27447, 27448, 27449, 27450, 27451, 27452, 27453, 27454, 27455, 27456, 27457, 27458, 27459, 27460, 27461, 27462, 27463, 27464, 27465, 27466, 27467, 27468, 27469, 27470, 27471, 27472, 27473, 27474, 27475, 27476, 27477, 27478 - Minaki, St. Andrews College (06 54 01 S 39 05 32 E): **KU**: 89945, 89946, 89947, 89948, 89949, 89951, 89952, 89953, 89954, 89955, 89956, 89957 - Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **FMNH**: 193055 - Minziro Forest Reserve (01 04 S 31 32 E, 1217 m): **FMNH**: 192938 - Morogoro (06 48 S 37 40 E, 560 m): **HNHM**: 72.15.1; **RMCA**: a4.036-M-0496, a4.036-M-0497, a4.036-M-0498, a4.036-M-0499, a4.036-M-0500, a4.036-M-0517 - Morogoro region: **SMF**: 66954, 66955, 66956, 66957, 81210, 89690 - Morogoro, near (ca. 0648S 3740E): **YPM**: MAM 002140 - Moshi (03 21 S 37 20 E, 887 m): **SMF**: 23750, 23751, 23752, 23753, 23754, 23755, 23756, 23757, 23758 - Muanza (02 31 00 S 32 54 00 E, 1209 m): **AMNH**: 256261, 256262, 256263, 256264, 256265, 256266, 256267, 256268, 256269, 256270, 256271, 256272, 256273, 256274 - Mwanza region: **SMF**: 88036, 88037, 88038 - Mwasa (0640S 3545E, 627 m): **FMNH**: 199497 - Nachingwea (10 23 S 38 46 E, 380 m): **ROM**: 35320; **SMF**: 19463; **WAM**: M16527 - Nambiga Forest Reserve (0834S 3629E): **FMNH**: 183011 - Nkome (02 52 S 32 12 E, 1135 m): **ROM**: 56452, 56453, 56454, 56455, 56457, 56459, 56460, 56461, 56462, 56463, 56465, 56466, 56536, 56537, 56538, 56539, 56540, 56541, 56542 - Nyamboge (02 33 S 32 04 E, 1135 m): **ROM**: 56543, 56545, 56546, 56547, 56548, 56550, 56551, 56552, 56553, 56554, 56555, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563 - Pangani river (0930S 3527E): **ZMB**: T10292 - Rondo Flat [Forest Reserve] (10 09 00 S 39 15 00 E, 473 m): **RMCA**: 96.037-M-7168, 96.037-M-7169 - Ruangwa (10 04 00 S 38 56 00 E, 363 m): **RMCA**: 96.037-M-7167 - Ruvuma region: **SMF**: 82122 - Tabora (05 01 00 S 32 48 00 E, 1212 m): **HNHM**: 2000.76.1 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ROM**: 36462, 36463, 36464, 36465, 68377, 73246, 76173, 76177, 76178, 76179, 76180, 76181, 76182, 76183, 76184, 76185, 76186, 76187, 76188, 76189, 76190, 76191, 76192, 76193, 76194, 76195, 76196, 76197, 76198, 76199, 76200, 76201, 76202, 76203, 76204, 76205; **ZMB**: 10109, 10110 - Tanga region: **SMF**: 82502, 82510, 83621, 83622 - Tengeru (03 23 00 S 36 50 00 E, 1250 m): **FMNH**: 86015, 86016, 86630, 86631, 86632, 86633, 86634, 86635, 86636, 86637, 86638, 86639, 86640, 86641, 86642, 86643, 86644, 86645, 86646, 86647, 86648, 86649, 86650, 86651, 86652, 86653, 86654, 86655, 86658, 86659, 86660, 86661, 86662; **SMF**: 29028, 29029 - Ujiji (0454S 2941E): **ZMB**: 10097, 10098 - Usambara mountains (044500S 383000E): **MNHN**: ZM-MO-1897-1534, ZM-MO-1897-1535, ZM-MO-1897-1536, ZM-MO-1897-1537, ZM-MO-1897-1538 - Zanzibar (06 10 S 39 20 E): **MCZ**: 8832, 8833; **USNM**: 174672, 174673, 174674, 174675, 174676, 174677, 17899; **ZMB**: 3259, 3490, T09285, T09626 - Zanzibar Town (0610S 3912E): **ROM**: 59863, 59864, 59865, 59866.

The Gambia:

Unknown locality: **BMNH**: 1889.10.7.3 (Holotype *Nyctinomus gambianus*), 1889.3.2.4, 1949.492, 1949.493, 1949.494; **USNM**: 17910 - Kudang (13 40 N 15 03 W, 13 m): **USNM**: 377595, 377596, 377597, 377598.

Togo:

Adina (07 31 00 N 01 01 00 E, 252 m): **RMCA**: 73.054-M-1727 - Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.009-M-0467, 73.009-M-0468, 73.009-M-0469, 73.009-M-0470, 73.009-M-0471, 73.009-M-0472, 73.009-M-0473, 73.009-M-0474, 73.009-M-0475, 73.009-M-0476, 73.009-M-0477, 73.009-M-0478, 73.009-M-0479, 73.009-M-0480, 73.009-M-0538, 73.009-M-0539, 73.009-M-0540, 73.009-M-0541, 73.009-M-0542, 73.009-M-0543, 73.009-M-0544, 73.009-M-0545, 73.009-M-0546, 73.009-M-0547, 73.009-M-0549, 73.009-M-0550, 73.009-M-0551, 73.009-M-0552, 73.009-M-0553, 73.009-M-0554, 73.009-M-0555, 73.009-M-0556, 73.009-M-0557, 73.009-M-0558, 73.009-M-0559, 73.011-M-0428, 73.011-M-0429, 73.011-M-0430, 73.011-M-0431, 73.011-M-0432, 73.011-M-0433, 73.011-M-0434, 73.011-M-0435, 73.011-M-0436, 73.011-M-0437, 73.011-M-0438, 73.011-M-0439, 73.011-M-0674, 73.011-M-0675, 73.011-M-0676, 73.011-M-0677, 73.011-M-0678, 73.011-M-0679, 73.011-M-0680, 73.011-M-0681, 73.011-M-0682, 73.011-M-0954, 73.011-M-0955, 73.011-M-0956, 73.011-M-0957, 73.011-M-0958, 73.011-M-0959, 73.011-M-0960, 73.011-M-0961, 73.011-M-0962, 73.011-M-0963, 73.011-M-0964, 73.011-M-0965, 73.011-M-0966, 73.011-M-0967, 73.011-M-0968, 73.011-M-0969, 73.011-M-0970, 73.011-M-0971, 73.011-M-0972, 73.011-M-0973, 73.011-M-0974, 73.011-M-0975, 73.011-M-0976, 73.011-M-0977, 73.011-M-0978, 73.011-M-0979, 73.011-M-0980, 73.011-M-0981, 73.011-M-1044, 73.011-M-1045, 73.011-M-1046, 73.011-M-1047, 73.011-M-1048, 73.011-M-1049, 73.011-M-1050, 73.011-M-1051, 73.011-M-1052, 73.011-M-1053, 73.011-M-1054, 73.011-M-1055, 73.011-M-1056, 73.011-M-1057, 73.013-M-0597, 73.013-M-0598, 73.013-M-0599, 73.013-M-0600, 73.013-M-0601, 73.013-M-0602, 73.013-M-0603, 73.013-M-0604, 73.013-M-0844, 73.013-M-0845, 73.013-M-0846, 73.013-M-0847, 73.013-M-0848, 73.013-M-0849, 73.013-M-0850, 73.013-M-0851 - Apéyémé (07 12 00 N 00 42 00 E, 768 m): **RMCA**: 73.013-M-0881, 73.013-M-0882 - Atakpamé (07 32 00 N 01 08 00 E, 376 m): **RMCA**: 73.009-M-0577, 73.054-M-1726, 73.054-M-1731, 73.054-M-1732, 73.054-M-

1733, 73.054-M-2092, 73.054-M-2093, 73.054-M-2094, 73.054-M-2095, 73.054-M-2096, 73.054-M-2097, 73.054-M-2098, 73.054-M-2099, 73.054-M-2100, 73.054-M-2101, 73.054-M-2102, 73.054-M-2103, 73.054-M-2104, 73.054-M-2105, 73.054-M-2106, 73.054-M-2107, 73.054-M-2108, 73.054-M-2109, 73.054-M-2110, 73.054-M-2111, 73.054-M-2112, 73.054-M-2113, 73.054-M-2114, 73.054-M-2115, 73.054-M-2116, 73.054-M-2117, 73.054-M-2118, 73.054-M-2119, 73.054-M-2120, 73.054-M-2121, 73.054-M-2122, 73.054-M-2123, 73.054-M-2124, 73.054-M-2125, 73.054-M-2126, 73.054-M-2127, 73.054-M-2128, 73.054-M-2129, 73.054-M-2130, 73.054-M-2131, 73.054-M-2132, 73.054-M-2133, 73.054-M-2134, 73.054-M-2135, 73.054-M-2136, 73.054-M-2137, 73.054-M-2138, 73.054-M-2139, 73.054-M-2140, 73.054-M-2141, 73.054-M-2142, 73.054-M-2143, 73.054-M-2144, 73.054-M-2145, 73.054-M-2146, 73.054-M-2147, 73.054-M-2148, 73.054-M-2149, 73.054-M-2150, 73.054-M-2151, 73.054-M-2152, 73.054-M-2153, 73.054-M-2154, 73.054-M-2155, 73.054-M-2156, 73.054-M-2157, 73.054-M-2158, 73.054-M-2159, 73.054-M-2160, 73.054-M-2161, 73.054-M-2162, 73.054-M-2163, 73.054-M-2164, 73.054-M-2165, 73.054-M-2166, 73.054-M-2167, 73.054-M-2168, 73.054-M-2169, 73.054-M-2170, 73.054-M-2171 - Badou - Anonoe (07 35 00 N 00 36 00 E): **RMCA**: 73.009-M-0462, 73.009-M-0463, 73.009-M-0464, 73.009-M-0465, 73.009-M-0466, 73.009-M-0522, 73.009-M-0523, 73.009-M-0524, 73.009-M-0525, 73.009-M-0526, 73.009-M-0527, 73.009-M-0528, 73.009-M-0529, 73.009-M-0530, 73.009-M-0531, 73.009-M-0532, 73.009-M-0533, 73.009-M-0534, 73.009-M-0535, 73.009-M-0536, 73.009-M-0537 - Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0605, 73.013-M-0606, 73.013-M-0607, 73.013-M-0608, 73.013-M-0609, 73.013-M-0610, 73.013-M-0611, 73.013-M-0612, 73.013-M-0613, 73.013-M-0614, 73.013-M-0615, 73.013-M-0616, 73.013-M-0617, 73.013-M-0618, 73.013-M-0619, 73.013-M-0620, 73.013-M-0621, 73.013-M-0622, 73.013-M-0623, 73.013-M-0624, 73.013-M-0625, 73.013-M-0626, 73.013-M-0627, 73.013-M-0628, 73.013-M-0629, 73.013-M-0630, 73.013-M-0631, 73.013-M-0724, 73.013-M-0725, 73.013-M-0726, 73.013-M-0727, 73.013-M-0852, 73.013-M-0853, 73.013-M-0854, 73.013-M-0855, 73.013-M-0856, 73.013-M-0857, 73.013-M-0858, 73.013-M-0859, 73.013-M-0860, 73.013-M-0861, 73.013-M-0862, 73.013-M-0863, 73.013-M-0864, 73.013-M-0865, 73.013-M-0866, 73.013-M-0867, 73.013-M-0868, 73.013-M-0869, 73.013-M-0870, 73.013-M-0871, 73.013-M-0872, 73.013-M-0873, 73.013-M-0874, 73.013-M-0875, 73.013-M-0876, 73.013-M-0877, 73.013-M-0878, 73.013-M-0879, 73.013-M-0880 - Dapango (10 51 50 N 00 12 18E, 306 m): **USNM**: 437828, 437829, 480158 - Ebéva (07 31 00 N 01 05 00 E, 212 m): **RMCA**: 73.069-M-0455, 73.069-M-0456, 73.069-M-0457, 73.069-M-0458, 73.069-M-0459, 73.069-M-0460 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **RMCA**: 73.054-M-1728, 73.054-M-1729, 73.054-M-1730; **USNM**: 437895, 437896, 437897, 437898, 437899, 437900, 437901, 437902, 437903, 437904, 437905, 437906, 437907, 437908, 437909, 437910, 437911, 437912, 437913, 437914, 439095, 480096, 480097, 480098, 480099, 480100, 480165, 576117 - Gbatope (06 26 N 01 17 E): **USNM**: 437873, 437874, 437875, 437876, 437877, 437878, 437879, 437880, 437881, 437882, 437883, 437884, 437885, 437886, 437887, 437888, 437889, 437890, 437891, 437892, 437893, 437894, 480089, 480090, 480091, 480092, 480093, 480094, 480095, 480160, 480161, 480162, 480163, 480164 - Kolokopé (07 48 00 N 01 18 00 E, 147 m): **RMCA**: 73.011-M-0694, 73.011-M-0695, 73.011-M-0696, 73.011-M-0697, 73.011-M-0698, 73.011-M-0699, 73.011-M-0700, 73.011-M-0701, 73.011-M-0702, 73.011-M-0703, 73.011-M-0704, 73.011-M-0705, 73.011-M-1023, 73.011-M-1024, 73.011-M-1025, 73.011-M-1026, 73.011-M-1027, 73.011-M-1028, 73.011-M-1029, 73.011-M-1030, 73.011-M-1031, 73.011-M-1032, 73.011-M-1033, 73.011-M-1034, 73.011-M-1035, 73.011-M-1036, 73.011-M-1037, 73.011-M-1038, 73.011-M-1039 - Korrekope (07 48 00 N 01 16 00 E, 147 m): **RMCA**: 73.014-M-0003 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.011-M-0684, 73.011-M-0685, 73.011-M-0686, 73.011-M-0687, 73.011-M-0688, 73.011-M-0689, 73.011-M-0690, 73.011-M-0691, 73.011-M-0692, 73.011-M-0693, 73.011-M-1000, 73.011-M-1001, 73.011-M-1002, 73.011-M-1003, 73.011-M-1004, 73.011-M-1005, 73.011-M-1006, 73.011-M-1007, 73.011-M-1008, 73.011-M-1009, 73.011-M-1010, 73.011-M-1011, 73.011-M-1012, 73.011-M-1013, 73.011-M-1014, 73.011-M-1015, 73.011-M-1016, 73.011-M-1017, 73.011-M-1018, 73.011-M-1019, 73.011-M-1020, 73.011-M-1022, 73.013-M-0883, 73.013-M-0884, 73.013-M-0885, 73.013-M-0886, 73.013-M-0887, 73.013-M-0888, 73.013-M-0889, 73.013-M-0890, 73.013-M-0891, 73.013-M-0892, 73.013-M-0893, 73.013-M-0894, 73.013-M-0895, 73.013-M-0896, 73.013-M-0897, 73.013-M-0898 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0164, 73.011-M-0165, 73.011-M-0683, 73.011-M-0938, 73.011-M-0939, 73.011-M-0940, 73.011-M-0941, 73.011-M-0942, 73.011-M-0943, 73.011-M-0986, 73.011-M-0987, 73.011-M-0988, 73.011-M-0989, 73.011-M-0990, 73.011-M-0991, 73.011-M-0992, 73.011-M-0993, 73.011-M-0994, 73.011-M-0995, 73.011-M-0996, 73.011-M-0997, 73.011-M-0998, 73.011-M-0999 - Nanergou (10 55 00 N 00 09 00 E, 303 m): **RMCA**: 73.009-M-0481, 73.009-M-0482, 73.009-M-0483, 73.009-M-0484, 73.009-M-0485, 73.009-M-0486, 73.009-M-0487, 73.009-M-0560, 73.009-M-0561, 73.009-M-0562, 73.009-M-0563, 73.009-M-0564, 73.009-M-0565, 73.009-M-0566, 73.009-M-0567, 73.009-M-0568 - Niamtougou (09 46 06 N 01 06 19 E, 378 m): **RMCA**: 73.011-M-0982, 73.011-M-0983, 73.011-M-0984, 73.011-M-0985 - no specific locality: **RMCA**: 73.009-M-0578 - Pagala (08 13 00 N 00 53 00 E, 368 m): **USNM**: 437868, 437869, 437870, 437871, 437872, 479835, 480086, 480087 - Péwa (09 17 00 N 01 14 00 E, 618 m): **USNM**: 479834 - Sansanné-Mango (10 21 33 N 00 28 15 E, 134 m): **RMCA**: 73.009-M-0575, 73.009-M-0576 - Togoville (06 12 41 N 01 28 41 E, 63 m): **RMCA**: 73.011-M-0706, 73.011-M-0707, 73.011-M-0708, 73.011-M-0709, 73.011-M-0710, 73.011-M-1040, 73.011-M-1041, 73.011-M-1042, 73.011-M-1043 - Tomegbé (07 31 00 N 00 36 00 E, 319 m): **RMCA**: 73.011-M-1021.

Uganda:

Unknown locality: **BMNH**: 1923.4.12.48, 1923.4.12.49, 1929.5.14.1, 1929.5.14.10, 1929.5.14.11, 1929.5.14.12, 1929.5.14.13, 1929.5.14.2, 1929.5.14.3, 1929.5.14.4, 1929.5.14.5, 1929.5.14.6, 1929.5.14.7, 1929.5.14.8, 1929.5.14.9, 1930.12.1.23, 1931.5.13.1, 1934.6.10.3, 1934.6.10.4, 1934.6.3.4, 1934.6.3.5, 1934.6.3.6, 1934.8.28.3, 1960.1986, 1962.2058, 1962.2059, 1962.2060, 1962.2061, 1962.2062, 1962.2063, 1962.2064, 1962.2065, 1962.2066, 1962.2067, 1962.488, 1962.489, 1962.490, 1962.491, 1962.492, 1962.493, 1962.494, 1962.495, 1962.496, 1962.497, 1962.498, 1962.499, 1962.500, 1962.501, 1964.199, 1964.200, 1964.201, 1964.202, 1964.203, 1964.204, 1964.205, 1964.206, 1964.2066, 1964.2067, 1964.2068, 1964.2069, 1964.207, 1964.2070, 1964.2071, 1964.2072, 1964.2073, 1964.2074, 1964.208, 1964.209, 1964.210, 1964.212, 1964.213, 1964.214, 1964.215, 1964.216, 1964.217, 1964.218, 1964.219, 1964.220, 1965.1211, 1966.3614, 1971.1551_1, 1971.1551_2, 1971.1551_3, 1971.941, 1971.961, 1975.2723, 1975.2723_1, 1975.2723_2, 1975.2724, 1975.2751, 1975.2752, 1975.2753, 1975.2753_1, 1975.2753_2, 1975.2753_3, 1975.2754, 1975.2755, 1975.2957; **SMF**: 35793 - Amuria (02 00 13 N 33 39 04 E): **ZMA**: MAM.08279 - Baherere: **SMF**: 26738 - Buchanan Sawmills (ca. 014523N 312515E): **MCZ**: 49807, 49808, 49809, 49810, 49811, 49812, 49813, 49814, 49815, 49816, 49817, 49818, 49819, 49820, 49821, 49822, 49823, 49824, 49825, 49826, 49827, 49828 - Budongo Forest (014416N 313322E, 4000 ft): **MCZ**: 39347, 39348, 39349, 39350, 39351, 39352, 39353, 39354, 39355, 39356, 49831 - Budongo Forest (014416N 313322E, 4000ft): **AMNH**: 219781, 219782, 219783, 219784, 219785, 219786, 219787, 219788, 219789, 219790, 219791, 219792, 219793, 219794, 219795, 219796, 219797, 219798, 219799, 219800, 219801, 219802, 219803 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 152988, 152989, 152990 - Budongo Forest (0146N 3133E, 1067 m): **ROM**: 59239, 59240 - Budongo Forest Royal mile area (ca. 0142N 3132E):

FMNH: 165172 - Bukakata (0018S 3158E): **FMNH**: 149704, 149705, 149706, 149707 - Bukedi (0039N 3408E): **ROM**: 63427, 63428 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 76206, 76207 - Bunyoro (0145N 3135E, 1200 m): **ROM**: 46679, 49126, 49127, 49128, 49129, 49130, 49131, 49132, 49133, 49134, 49135 - Bunyoro (0145N 3135E, 1219 m): **ROM**: 46595, 46680, 46681, 46682, 46683, 46684, 46685, 46686, 46687, 46697, 46698, 46699, 46700, 46718, 46722 - Bunyoro (0145N 3135E, 1372 m): **ROM**: 46482, 46580, 46581, 46582, 46583, 46584, 46585, 46586, 46587, 46588, 46589, 46590, 46591, 46592, 46593, 46594 - Bunyoro (0145N 3135E, 914 m): **ROM**: 76215 - Bwambara, 8 km N, below Bwentale Camp (0033S 2952E, 1031 m): **FMNH**: 154078 - E.A.T.R.O. Field Station (0012N 3354E): **CAS**: 24549 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **AMNH**: 184231, 184232, 184233, 184234, 184235, 184236, 184237, 184238, 184239, 184385, 184386, 184394; **BMNH**: 1964.221; **FMNH**: 67944; **MCZ**: 48899, 48900, 48901, 48902, 48903, 48904, 48905; **ROM**: 38295, 38296 - Kalangala (001832S 321330E, 1180 m): **FMNH**: 137477, 137478, 137479, 137635, 137636, 137637, 137638 - Kasenyi (0002S 3009E, 3000 ft): **MVZ**: 124253 - Katwe (0008S 2953E, 900 m): **ROM**: 48671, 48672, 48673, 48674, 48675, 48676, 48677, 48678, 48679, 48680, 48681, 48682 - Kawanda, Agriculture Research Station (002229N 323211E, 1193 m): **CAS**: 24550 - Kichwamba, near (4500 ft): **AMNH**: 184387 - Lugala (001119N 335316E, 1137 m): **ROM**: 63297, 63298, 63302, 63303 - Manjasi High School (00 40 N 34 12 E): **CAS**: 24536, 24537, 24538, 24539, 24540, 24541, 24542, 24543, 24544 - Mubende (003521N 312136E): **MCZ**: 48897, 48898 - Mweya (00 14 27 S 29 55 08 E, 3000 ft): **MCZ**: 48912, 48913 - Mweya (001427S 295508E, 3000 ft): **AMNH**: 219775, 219776, 219777, 219778, 219779, 219780 - Namagunga, Buganda: **ROM**: 40043, 40044, 40045, 40046, 40047, 40048, 40049, 40050, 40051 - Namulonge (003147N 323609E, 1133 m): **ROM**: 40030, 40031, 40032, 40033, 40034, 40035, 40036, 40037, 40038, 40039, 40040, 40041 - Nyabirongo (0329N 295711E, 1271 m): **ROM**: 37172, 37178 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 164974, 165173, 165174, 165175, 165176; **MCZ**: 62454 - Nyanga (00 40 S 32 50 E): **RMCA**: 16291, 16292 - Paraa (021731N 313439E, 914 m): **ROM**: 41766 - Queen Elizabeth National Park (00 15 00 S 30 11 11 E): **WAM**: M16557 - Rwenzori Mountains (0025N 3001E, 1524 m): **BMNH**: 1936.3.16.21 - Serere Agricultural Research Station (0131N 3327E): **CAS**: 24546, 24547, 24548 - Teso (0131N 3327E): **ROM**: 63362, 63363, 63364, 63365, 63366, 63367, 63368, 63369, 63370, 63371, 63372, 63373, 63374, 63375, 63376, 63377, 63378, 63379, 63380, 63381, 63382, 63383, 63384, 63385, 63386, 63387, 63388, 63389, 63390, 63391, 63392, 63393, 63394, 63395, 63396, 63397, 63398, 63399, 63400, 63401, 63402, 63403 - Toro (0030N 3000E): **ROM**: 28158 - Tororo (004105N 341052E, 1185 m): **CAS**: 24545 - West Mengo (0004N 3228E): **ROM**: 68685, 68691.

Zambia:

Unknown locality: **BMNH**: 1966.6029, 1966.6030, 1966.6033, 1966.6034, 1966.6035, 1966.6036, 1967.1344, 1967.1345, 1967.1346, 1967.1347, 1967.1349, 1967.1350, 1967.1351, 1967.1352, 1967.1353, 1968.1053, 1968.1054, 1968.1403, 1968.1404, 1968.143, 1968.144, 1968.145, 1968.146, 1968.147, 1968.148, 1968.149, 1968.150, 1968.151, 1968.152, 1968.153, 1968.154, 1968.155, 1968.156, 1968.158, 1968.159, 1968.160, 1968.161, 1968.162, 1968.163, 1968.164, 1968.165, 1968.166, 1968.167, 1968.168, 1968.169, 1968.170, 1968.171, 1968.172, 1968.174, 1968.176, 1968.177, 1968.178, 1968.179, 1968.180, 1968.181, 1968.182, 1968.183, 1968.184, 1968.185, 1968.186, 1968.187, 1968.188, 1968.189, 1968.190, 1968.191, 1968.192, 1968.193, 1968.194, 1968.195, 1968.196, 1968.197, 1968.198, 1968.199, 1968.200, 1968.201, 1968.202, 1968.203, 1968.204, 1968.205, 1968.206, 1968.207, 1968.208, 1968.209, 1968.210, 1968.211, 1968.212, 1968.213, 1968.214, 1968.215, 1968.216, 1968.217, 1968.218, 1968.219, 1968.220, 1968.221, 1968.222, 1968.223, 1968.224, 1968.225, 1968.226, 1968.227, 1968.228, 1968.229, 1968.230, 1968.231, 1968.232, 1968.233, 1968.234, 1968.235, 1968.236, 1968.237, 1968.239, 1968.240, 1968.241, 1968.242, 1968.243, 1968.244, 1968.245, 1968.246, 1968.247, 1968.248; **SMF**: 77753, 77754, 77755, 77756, 89640 - Chief Chlawa's (15.62S 29.37E): **NHMZ**: 11750 - Chingola, Mushishima Farm (12.62S 27.87E): **NHMZ**: 29900 - Copperbelt province: **SMF**: 92443 - Kabompo Boma (133600S 241200E, 1027 m): **NHMZ**: 8294 - Kalabo (14 58 S 22 41 E, 1019 m): **AMS**: M.9951; **BRTC**: 20911; **HNHM**: 76.165.2, 76.165.3; **MSB**: 34625; **ROM**: 73985, 73986, 73987, 73988, 73989, 73990, 73991, 73992, 73993 - Limulunga (15.15S 23.17E): **MMK**: MAM/1011 - Lochinvar (15 55 S 27 15 E): **NMZL**: 2903, 2904, 2905, 2906, 2907 - Mongu (15.15S 23.17E): **KM**: 2452 - Ndanda School (14.75S 23.75E): **NHMZ**: 33011 - Ngoma (county) (ca. 1554S 2557E): **AMNH**: 218902 - Senenga, S km NE (15.62S 23.37E): **NHMZ**: 33026.

Zimbabwe:

Beitbridge (22.13S 29.88E): **NHMZ**: 32968 - Chikwarakwara (22.35S 31.1E): **NHMZ**: 59436 - Chikwarakwara, Pesu R. Gorge (22.28S 31.2E): **NHMZ**: 84109 - Chiredzi Research Station (21.01S 31.57E): **NHMZ**: 57655 - Dagati Pan (21.12S 31.87E): **NHMZ**: 59462 - Gem Farm, Beitbridge (21.87S 29.62E): **NHMZ**: 57750 - Gonarezhou NP, Mabalauta (21.93S 31.47E): **NHMZ**: 55662 - Gonarezhou NP,Chipinda Pools (21.27S 31.9E): **NHMZ**: 59419 - Hippo Valley, Cistrus Estates (21.15S 31.58E): **NHMZ**: 59502 - Hippo Valley, Kutanga Estates (21.12S 31.87E): **NHMZ**: 59443 - Humani Ranch (20.25S 32.15E): **ROM**: 91412, 91413, 91414, 91415, 91416, 91417, 91418, 91419, 91420, 91421, 91422, 91423, 91424, 91425, 91426, 91427, 91428, 91429, 94369, 94370, 94371, 94372, 94373, 94374 - Humani Ranch (20.25S 32.25E): **NHMZ**: 81202 - Kazangula (17.83S 25.27E): **NHMZ**: 59437 - Mahenge, Lower Save (21.12S 31.37E): **NHMZ**: 59466 - Malipati (22.07S 31.43E): **NHMZ**: 59506 - Malugwe Pan (21.62S 31.87E): **NHMZ**: 59464 - Musengezi River Confluence (16 15 S 30 45 E): **NHMZ**: 84403 - Muzarabani, Arda Office (16.37S 30.12E): **NHMZ**: 29759 - Muzarabani, Staff House (16.37S 30.87E): **NHMZ**: 29757 - Nuanetsi Ranch Headquarters (213001S 304738E): **ROM**: 64888, 64896, 64900, 64901, 64902, 64903, 64923, 64924, 64925, 64926, 64927, 64928, 64929, 64930, 64931, 64932, 64933 - Samba Ranch (20.62S 31.37E): **NHMZ**: 59468 - Sentinal Ranch (221010S 293020E): **TM**: 41617 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 30833 - Victoria Falls (17 55 00 S 25 51 00 E): **USNM**: 237525 - Westwood Lodge (17 55 00 S 25 32 00 E): **NHMZ**: 30779.

Chaerephon pusillus (Miller, 1902)

Comoros:

Anjouan Island (12 15 S 44 25 E): **ZMB**: 4910 - Chirove primary school (1216S 4424E, 5 m): **FMNH**: 194368, 194369, 194370, 194371, 194372, 194373, 194374, 194375, 194376 - Collège d'Ouani (12 08 08 S 44 25 28 E, 20 m): **FMNH**: 220073, 220074, 220075, 220076, 220077, 220079, 220080, 220082, 220083, 220084, 220085, 220086, 220087 - Ecole primaire de Chirove (12 16 S 44 24 E, 0 m): **FMNH**: 220089, 220092, 220093, 220095, 220096, 220101 - Fomboni Primary School (121648S 434433E, 5 m): **FMNH**: 194468, 194469, 194470, 194471, 194472, 194473, 194474, 194477 - Hahaia Primary School (113339S 431544E, 15 m): **FMNH**: 194193, 194194, 194195, 194196, 194197, 194198, 194199 - Itsamia (122151S 435204E, 5 m): **FMNH**: 194497, 194498 - Moroni oasis (11 42 15 S 43 14 25 E, 40 m): **FMNH**: 194183, 194184, 194185, 194186, 194187, 194188, 194189, 194190, 194191, 194192 - Ndrondroni (122034S 434056E, 10 m): **FMNH**: 194478 - Nioumachoua (122141S 434255E, 0 m): **FMNH**: 194489 - Nioumachoua Public Primary School

(122141S 434255E, 10 m): **FMNH**: 194481, 194482, 194483, 194484, 194485, 194486, 194487, 194488, 194490, 194491, 194492, 194493, 194494, 194495, 194496 - Ouani College (1208S 4426E, 20 m): **FMNH**: 194356, 194357, 194358, 194359, 194360, 194361, 194362, 194363, 194364.

Gabon:

Mount Doudou fauna exploitation area (0213S 1024E, 375 m): **FMNH**: 167678, 167777.

Mayotte:

Bouyouni (1244S 4508E, 10 m): **FMNH**: 194029, 194030 - Coconi (1250S 4508E, 90 m): **FMNH**: 194018, 194020, 194021, 194022, 194024, 194025, 194026, 194027 - Longoni (1244S 4510E, 10 m): **FMNH**: 194038 - Mayotte (12 50 S 45 09 E): **ZMB**: 3491, 3492 - Poroani (12 54 S 45 09 E, 10 m): **FMNH**: 194017, 194031, 194032, 194033, 194034, 194035, 194036, 194037.

Seychelles:

Unknown locality: **SMF**: 23743, 23744 - Aldabra Island: **USNM**: 20990, 37852 - Aldabra Research Station: **BMNH**: 1976.306 - Aldabra Settlement: **BMNH**: 1969.18 - Amirante Island: **BMNH**: 1928.1.24.4 - East Channel, E Shore (ca. 0922S 4627E): **BMNH**: 1966.5573 - South Island, Takamaka Grove: **BMNH**: 1968.938, 1968.939, 1968.940, 1968.941, 1968.942.

Tanzania:

Matema village (0608S 2948E): **FMNH**: 193239.

Uganda:

Kalangala (001832S 321330E, 1180 m): **FMNH**: 137634.

Chaerephon russatus J.A. Allen, 1917

Cameroon:

Malako River (0427N 1137E): **ROM**: 56112 - Njombo River (0339N 1158E, 450 m): **ROM**: 57184, 57185, 57186 - Obala, 12 km S, 11 km E (0409N 1131E): **ROM**: 56163 - Okola: **TTU**: 18032.

Congo (Democratic Republic of the):

Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48911, 48912, 48913, 48914, 48915, 48916, 48917, 48918, 48919, 48920, 48921, 48922, 48923, 48925 (Holotype *Chærephon russatus*), 48926, 48927, 48928, 48929, 48931, 48935, 49219, 49265, 49266, 49278; **BMNH**: 1970.2507; **FMNH**: 43867; **MCZ**: 17386 (Topotype *Chærephon russatus*), 17387 (Topotype *Chærephon russatus*); **RMCA**: 12389 - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 537762.

Côte d'Ivoire:

Unknown locality: **SMF**: 92013, 92014.

Ghana:

Kade Agricultural Research Station (06 05 N 00 50 W, 127 m): **ROM**: 60174.

Guinea:

Oueleba (08 35 38 N 08 53 47 W, 1029 m): **ZFMK**: 2008.0307 - Park National du Haut Niger (ca. 10 17 06 N 10 07 20 W): **ZFMK**: 1997.0448.

Kenya:

Hells Gate Canyon (00 55 S 36 19 E): **MCZ**: 59893.

Chaerephon tomensis (Juste and Ibáñez, 1993)

São Tomé and Principé:

Agua-Ize (00 13 05 N 006 43 41 E): **EBD**: MAM 17371 - Praia das Conchas (00 23 00 N 06 37 00 E, 188 m): **EBD**: MAM 17734 (Paratype *Tadarida (Chaerephon) tomensis*), MAM 18256 (Holotype *Tadarida (Chaerephon) tomensis*).

Mops Lesson, 1842

"Africa":

Unknown locality: **MNHN**: ZM-MO-1985-257; **ZMA**: MAM.26208.

Congo:

Boulankio (03 49 10 S 15 15 18 E, 605 m): **MNHN**: ZM-MO-1985-1384, ZM-MO-1985-1385.

Kenya:

Thika (0103S 3705E, 1531 m): **KU**: 151987.

Madagascar:

Ampijoroa (1618S 4649E): **MNHN**: ZM-MO-1984-1270.

South Africa:

Bassoutos country: **MNHN**: ZM-MO-1896-2441.

Tanzania:

Magrotto Hill (05 07 S 38 45 E): **FMNH**: 182547.

The Gambia:

Unknown locality: **BMNH**: 1976.389.

Zambia:

Livingstone (17 51 00 S 25 52 00 E, 3030 ft): **USNM**: 237534.

Zimbabwe:

Unknown locality: **BMNH**: 1926.12.1.13, 1926.12.1.14, 1926.12.1.15, 1926.12.1.16, 1926.12.1.17, 1926.12.1.18, 1926.12.1.19, 1926.12.1.20 - Victoria Falls (17 55 00 S 25 51 00 E): **USNM**: 237526, 237527, 237528, 237529, 237530, 237531.

Mops rusingae (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)

"Africa":

Unknown locality: **NMK**: RU14357.

Mops (Mops) Lesson, 1842

Benin:
Malanville (11 52 07 N 03 23 24 E, 252 m): **ZMA**: MAM.23122, MAM.23123, MAM.23124.
Chad:
Bébédjia (08 41 00 N 16 34 00 E, 397 m): **ZMA**: MAM.13504.
Kenya:
Sand River (camping site) (ca. 01 33 23 S 35 01 47 E): **ZMA**: MAM.21663.
South Sudan:
Malakal (09 32 13 N 31 39 22 E, 276 m): **ZMA**: MAM.20440.
Tanzania:
Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22396.

Mops (Mops) condylurus (A. Smith, 1833)

"Africa":
Unknown locality: **MNHN**: ZM-MO-1984-1360, ZM-MO-1984-1361; **MZUSP**: 15243, 15244; **NMBE**: 5268, 5269, 5270; **ZMA**: MAM.26231; **ZMUC**: 1507 - Mafouta: **MNHN**: ZM-MO-1984-1189, ZM-MO-1998-1922 - Urundi: **CAS**: 12515, 12516, 12517, 12537.
Angola:
Unknown locality: **BMNH**: 1876.1.4.7 - Cabiri (085455S 134009E, 87 m): **MCZ**: 25109, 56795; **USNM**: 241110 - Kissama [=Quiçama] cave (ca. 09 40 S 13 45 E): **EBD**: MAM 22257, MAM 22258, MAM 22259 - Luso [= Moxico] (11.88S 19.88E): **CZL**: 3157028 - no specific locality: **ZMB**: 4904.
Benin:
Unknown locality: **RMNH**: MAM.52457, MAM.52458, MAM.52459, MAM.52460, MAM.52461, MAM.52462, MAM.52463, MAM.52464, MAM.52465, MAM.52466, MAM.52467, MAM.52468, MAM.52469, MAM.52470, MAM.52471, MAM.52472, MAM.52473, MAM.52474, MAM.52475, MAM.52476, MAM.52477, MAM.52478, MAM.52479, MAM.52480, MAM.52481, MAM.52482, MAM.52483, MAM.52484, MAM.52485, MAM.52486, MAM.52487, MAM.52488, MAM.52489, MAM.52490, MAM.52491, MAM.52492, MAM.52493, MAM.52494, MAM.52495, MAM.52496, MAM.52497, MAM.52498, MAM.52499, MAM.52500 - Ayitedjou (0639N 0244E, 36 m): **USNM**: 439019, 439022, 439023 - Garou (11 48 13 N 003 28 44 E, 252 m): **ZMA**: MAM.23347, MAM.23348, MAM.23349, MAM.23350, MAM.23373, MAM.23374, MAM.23375, MAM.23376, MAM.28686 - Kétou (0722N 0236E, 112 m): **USNM**: 421482, 421483, 421484, 421485, 421486, 421487, 421488, 421489, 421490, 421491, 421492, 421493, 421494, 421495, 421496, 421497, 421498, 421499, 421500, 421501, 421502, 421503, 421504, 421505, 421506, 421507, 421508, 421509, 421510, 421511, 421512, 421513, 421514, 421515, 421516, 479628, 479629, 479630, 479631, 479632, 479680, 479681, 479682 - Kpodave (06 49 N 01 46 E): **USNM**: 438994, 438995, 438996, 438997, 438998, 438999, 439000, 439001, 439002, 439003, 439004, 439005, 439006, 439007, 439008, 439009, 439010, 439011, 439012, 439013, 439014, 439015, 439016, 439017, 439018, 479633, 479634, 479635, 479636, 479683, 479684, 479685, 479686, 479687, 479688, 479689, 479690 - Lokossa, 10 mi [=16 km] S (ca. 06 29 N 01 47 E): **ZMA**: MAM.25379, MAM.25380, MAM.25381, MAM.25382, MAM.25383 - Lokossa, S of (ca. 06 38 N 01 43 E): **ZMA**: MAM.25378 - Porga (1102N 0058E): **USNM**: 438957, 438958, 438959, 438960, 438961, 438962, 438963, 438964, 438965, 438966, 438967, 438968, 438969, 438970, 438971, 438972, 438973, 438974, 438975, 438976, 438977, 438978, 438979, 438980, 438981, 438982, 438983, 438984, 438985, 438986, 438987, 438988, 438989, 438990, 438991, 438992, 438993 - Porto-Novo (06 29 N 02 37 E, 38 m): **ZMA**: MAM.25297, MAM.25298 - Soubroukou (0941N 0138E): **USNM**: 438952, 438953, 438954, 438955, 438956, 477450.
Botswana:
Chobe NP, Kasane (17.8S 25.15E): **NHMZ**: 63872; **ROM**: 39293, 39294, 39295, 39296, 39297, 39298, 39299, 39300, 39301, 39302, 39303, 39304, 39305, 39306, 39308, 39309, 39310; **USNM**: 367819, 367820, 367821, 367822, 367823, 367824, 367825, 367826, 367827, 367828, 367829, 367830, 367831, 367832, 367833, 367834, 367835, 367836, 367837, 367838, 367839, 367840, 367841 - Dautsa Flats (20.58S 22.53E): **USNM**: 382690, 382691 - Kwebe Hills, 26 km NW (20.27S 22.87E): **USNM**: 382688 - Sehitwa, 22 km W (20.58S 21.53E): **USNM**: 382689 - Tamafupi, 33 km N (19.25S 26.0E): **USNM**: 382692.
Burundi:
Bujumbura (03 23 00 S 29 22 00 E, 794 m): **RMCA**: 31010, 31011, 31012, 31013, 31014, 31015, 31016, 31017, 31018, 31019, 31020, 31021, 31022, 31023, 31024, 31025, 31026, 31027, 31028, 31029, 31030, 31031, 31032, 31033, 31034, 31035, 31036, 31037, 31038, 31039, 31040-01, 31040-02, 31040-03, 31040-04, 31040-05, 31040-06, 31040-07, 31040-08, 31040-09, 31040-10, 31040-11, 31040-12, 31040-13, 31040-14, 31040-15, 31040-16, 31040-17, 31040-18, 31040-19, 31040-20, 31040-21, 31040-22, 31040-23, 31040-24, 31040-25, 31040-26, 31040-27, 31040-28, 31040-29, 31040-30, 31040-31, 31040-32, 31040-33, 31040-34, 31040-35, 31040-36, 31040-37, 31040-38, 31040-39, 31040-40, 31040-41, 31040-42, 31040-43, 31040-44, 31040-45, 31040-46, 31041-01, 31041-02, 31041-03, 31041-04, 31041-05, 31041-06, 31041-07, 31041-08, 31041-09, 31041-10, 31041-11, 31041-12, 31041-13, 31041-14, 31041-15, 31041-16, 31041-17, 31041-18, 31041-19, 31041-20, 31041-21, 31041-22, 31041-23, 31041-24, 31041-25, 31041-26, 31041-27, 31041-28, 31041-29, 31041-30, 31041-31, 31041-32, 31041-33, 31041-34, 31041-35, 31041-36, 31041-37, 31041-38, 31041-39, 31041-40, 31041-41, 31041-42, 31041-43, 31041-44, 31041-45, 31041-46, 31041-47, 31041-48, 31041-49, 31041-50, 31041-51, 31041-52, 31041-53, 31041-54, 31041-55, 31041-56, 31041-57, 31041-58, 31041-59, 31041-60, 31041-61, 31041-62, 31041-63, 31041-64, 31041-65, 31041-66, 31041-67, 31041-68, 31041-69, 82.016-M-0001, 82.016-M-0094, 82.016-M-0095, 82.016-M-0096, 82.016-M-0097, 82.016-M-0098, 82.016-M-0099, 82.016-M-0100, 82.016-M-0101, 82.016-M-0102, 82.016-M-0103, 82.016-M-0104, 82.016-M-0105, 82.016-M-0106, 82.016-M-0107, 82.016-M-0108, 82.016-M-0109, 82.016-M-0110, 82.016-M-0111, 82.016-M-0112, 82.016-M-0113, 82.016-M-0114, 82.016-M-0115, 82.016-M-0116, 82.016-M-0117, 82.016-M-0118, 82.016-M-0119, 82.016-M-0120, 82.016-M-0121, 82.016-M-0122, 82.016-M-0123, 82.016-M-0129; **SMF**: 23789 - Bujumbura, 7 km NW (0321S 2918E): **SMF**: 57552, 57553 - Lake Cohoha (0230S 3007E): **SMF**: 57548, 57549, 57550, 57551.
Cameroon:
Guemé (10 30 30 N 15 09 31 E, 304 m): **RMCA**: 73.015-M-0836 - Makabay (10 34 24.5 N 14 16 54.6 E, 420 m): **LZUM**: BFEM 026 - Ngaoundéré (07 19 00 N 13 35 00 E, 1212 m): **RMCA**: 73.016-M-0600 - Tibati (06 28 00 N 12 38 00 E, 838 m): **RMCA**: 73.018-M-0231, 73.018-M-0232, 73.018-M-0234, 73.018-M-0235, 73.018-M-0236, 73.018-M-0237,

73.018-M-0238, 73.018-M-0239, 73.018-M-0240 - Tibati air strip (06 28 00 N 12 38 00 E, 748 m): **ROM**: 55960, 55961, 55962, 55963, 55964, 55965, 55966, 55967, 55968, 55969, 55970, 55971, 55972, 55973, 55974, 55975, 55976, 55977, 55978, 55979, 55980, 55981, 55982, 55983, 55984, 55985, 55986, 55987, 55988, 55989, 55990, 55991, 55992, 55993, 56002, 56003, 56004, 56005, 56006, 56007, 56008, 56009, 56010, 56011, 56012, 56013, 56014, 56015, 56016, 56017, 56018, 56019, 56071, 56072, 56073, 56074, 56075, 56076, 56077, 56078, 56079, 56080, 56081, 56082, 56083, 56084, 56085, 56086, 56087, 56088, 56089, 56090, 56091, 56092, 56093, 56094, 56095, 56096, 56097, 56098, 56099 - Wakwa (07 14 00 N 13 35 00 E, 1143 m): **RMCA**: 73.017-M-0695 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0895, 73.015-M-0896, 73.015-M-0897, 73.017-M-0651, 73.017-M-0652, 73.017-M-0653, 73.017-M-0654, 73.017-M-0655, 73.017-M-0656, 73.017-M-0657, 73.017-M-0658, 73.017-M-0659, 73.017-M-0660, 73.017-M-0661 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0624, 73.015-M-0837, 73.015-M-0838, 73.015-M-0839, 73.015-M-0840, 73.015-M-0841, 73.015-M-0842, 73.015-M-0843, 73.015-M-0844, 73.015-M-0845, 73.015-M-0846, 73.015-M-0847, 73.015-M-0848, 73.015-M-0849, 73.015-M-0850, 73.015-M-0851, 73.015-M-0852, 73.015-M-0853, 73.015-M-0854, 73.015-M-0855, 73.015-M-0856, 73.015-M-0857, 73.015-M-0858, 73.015-M-0859, 73.015-M-0860, 73.015-M-0861, 73.015-M-0862, 73.015-M-0863, 73.015-M-0864, 73.015-M-0865, 73.015-M-0866, 73.015-M-0867, 73.015-M-0868, 73.015-M-0869, 73.015-M-0870, 73.015-M-0871, 73.015-M-0872, 73.015-M-0873, 73.015-M-0874, 73.015-M-0875, 73.015-M-0876, 73.015-M-0877, 73.015-M-0878, 73.015-M-0879, 73.015-M-0880, 73.015-M-0881, 73.015-M-0882, 73.015-M-0883, 73.015-M-0884, 73.015-M-0885, 73.015-M-0886, 73.015-M-0887, 73.015-M-0888, 73.015-M-0889, 73.015-M-0890, 73.015-M-0891, 73.015-M-0892, 73.015-M-0893, 73.015-M-0894, 73.016-M-0598, 73.016-M-0599, 73.017-M-0662, 73.017-M-0663, 73.017-M-0664, 73.017-M-0665, 73.017-M-0666, 73.017-M-0667, 73.017-M-0668, 73.017-M-0669, 73.017-M-0670, 73.017-M-0671, 73.017-M-0672, 73.017-M-0673, 73.017-M-0674, 73.017-M-0675, 73.017-M-0676, 73.017-M-0677, 73.017-M-0678, 73.017-M-0679, 73.017-M-0680, 73.017-M-0681, 73.017-M-0682, 73.017-M-0683, 73.017-M-0684, 73.017-M-0685, 73.017-M-0686, 73.017-M-0687, 73.017-M-0688, 73.017-M-0689, 73.017-M-0690, 73.017-M-0691, 73.017-M-0692, 73.017-M-0693, 73.017-M-0694 - Yoko, 5 km from (ca. 05 32 N 12 19 E): **MNHN**: ZM-MO-1983-1032, ZM-MO-1983-1033, ZM-MO-1983-1034, ZM-MO-1983-1035.

Central African Republic:

Bambari (05 46 05 N 20 40 32 E, 465 m): **MNHN**: ZM-MO-1984-1648, ZM-MO-1984-1649, ZM-MO-1984-1650, ZM-MO-1984-1651, ZM-MO-1984-1652, ZM-MO-1984-1653, ZM-MO-1984-1654 - Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1984-1647 A, ZM-MO-1984-1647 B, ZM-MO-1984-1647 C, ZM-MO-1984-1647 D, ZM-MO-1984-1647 E, ZM-MO-1984-1647 F, ZM-MO-1984-1647 G, ZM-MO-1984-1647 H, ZM-MO-1984-1655, ZM-MO-1984-1656, ZM-MO-1984-1657, ZM-MO-1984-1658, ZM-MO-1984-1659, ZM-MO-1984-1660, ZM-MO-1984-1661, ZM-MO-1984-1662, ZM-MO-1984-1663, ZM-MO-1984-1664, ZM-MO-1984-1665, ZM-MO-1984-1666, ZM-MO-1984-1667, ZM-MO-1984-1668, ZM-MO-1984-1669, ZM-MO-1984-1670, ZM-MO-1984-1671, ZM-MO-1984-1672, ZM-MO-1984-1673, ZM-MO-1984-1674, ZM-MO-1984-1675, ZM-MO-1984-1676, ZM-MO-1984-1677, ZM-MO-1984-1678, ZM-MO-1984-1679, ZM-MO-1984-1680, ZM-MO-1984-1681, ZM-MO-1984-1682, ZM-MO-1984-1683, ZM-MO-1984-1684, ZM-MO-1984-1685, ZM-MO-1984-1686, ZM-MO-1984-1687, ZM-MO-1984-1688, ZM-MO-1984-1689, ZM-MO-1984-1690, ZM-MO-1984-1690 A, ZM-MO-1984-1690 B, ZM-MO-1984-1691, ZM-MO-1984-1692, ZM-MO-1984-1693, ZM-MO-1984-1694, ZM-MO-1984-1695, ZM-MO-1984-1696, ZM-MO-1984-1697, ZM-MO-1984-1698, ZM-MO-1984-1699, ZM-MO-1984-1700, ZM-MO-1984-1701, ZM-MO-1984-1702, ZM-MO-1984-1703, ZM-MO-1984-1704, ZM-MO-1984-1705, ZM-MO-1984-1706, ZM-MO-1984-1707, ZM-MO-1984-1708, ZM-MO-1984-1709, ZM-MO-1984-1710, ZM-MO-1984-1711, ZM-MO-1984-1712, ZM-MO-1984-1713, ZM-MO-1984-1714, ZM-MO-1984-1715, ZM-MO-1984-1716, ZM-MO-1984-1717, ZM-MO-1984-1718, ZM-MO-1984-1719, ZM-MO-1984-1720, ZM-MO-1984-1721, ZM-MO-1984-1722, ZM-MO-1984-1723, ZM-MO-1984-1724, ZM-MO-1984-1725, ZM-MO-1984-1726, ZM-MO-1984-1727, ZM-MO-1984-1728, ZM-MO-1984-1729, ZM-MO-1984-1730, ZM-MO-1984-1731, ZM-MO-1984-1732, ZM-MO-1984-1733, ZM-MO-1984-1734, ZM-MO-1984-1735, ZM-MO-1984-1736, ZM-MO-1984-1737, ZM-MO-1984-1738, ZM-MO-1984-1739, ZM-MO-1984-1740, ZM-MO-1984-1741, ZM-MO-1984-1742, ZM-MO-1984-1743, ZM-MO-1984-1744, ZM-MO-1984-1745, ZM-MO-1984-1746, ZM-MO-1984-1747, ZM-MO-1984-1748, ZM-MO-1984-1749, ZM-MO-1984-1750, ZM-MO-1984-1751, ZM-MO-1984-1752, ZM-MO-1984-1753, ZM-MO-1984-1754, ZM-MO-1984-1755, ZM-MO-1984-1756, ZM-MO-1984-1757, ZM-MO-1984-1758, ZM-MO-1984-1759, ZM-MO-1984-1760, ZM-MO-1984-1761, ZM-MO-1984-1762, ZM-MO-1984-1763, ZM-MO-1984-1764, ZM-MO-1984-1765, ZM-MO-1984-1766, ZM-MO-1984-1767, ZM-MO-1984-1768, ZM-MO-1984-1769, ZM-MO-1984-1770, ZM-MO-1984-1771, ZM-MO-1984-1772, ZM-MO-1984-1773, ZM-MO-1984-1774, ZM-MO-1984-1775, ZM-MO-1984-1776, ZM-MO-1984-1777, ZM-MO-1984-1778, ZM-MO-1984-1779, ZM-MO-1984-1780, ZM-MO-1984-1781, ZM-MO-1984-1782, ZM-MO-1984-1783, ZM-MO-1984-1784, ZM-MO-1984-1785, ZM-MO-1984-1786, ZM-MO-1984-1787, ZM-MO-1984-1788, ZM-MO-1984-1789, ZM-MO-1984-1790, ZM-MO-1984-1791, ZM-MO-1984-1792 A, ZM-MO-1984-1792 B, ZM-MO-1984-1792 C, ZM-MO-1984-1792 D, ZM-MO-1984-1792 E, ZM-MO-1984-1792 F, ZM-MO-1984-1792 G, ZM-MO-1984-1792 H, ZM-MO-1984-1792 I, ZM-MO-1984-1792 J, ZM-MO-1984-1792 K, ZM-MO-1984-1792 L, ZM-MO-1984-1792 M, ZM-MO-1984-1792 N, ZM-MO-1984-1792 O, ZM-MO-1984-1792 P, ZM-MO-1984-1792 Q, ZM-MO-1984-1809, ZM-MO-1984-1810, ZM-MO-1984-1811, ZM-MO-1984-1812, ZM-MO-1984-1813, ZM-MO-1984-1814, ZM-MO-1984-1815, ZM-MO-1984-1816, ZM-MO-1984-1817, ZM-MO-1984-1818, ZM-MO-1984-1819, ZM-MO-1984-1820, ZM-MO-1984-1821, ZM-MO-1984-1822, ZM-MO-1984-1823, ZM-MO-1984-1824, ZM-MO-1984-1825, ZM-MO-1984-1826, ZM-MO-1984-1827, ZM-MO-1984-1828, ZM-MO-1984-1829, ZM-MO-1984-1830, ZM-MO-1984-1831, ZM-MO-1984-1832, ZM-MO-1984-1833, ZM-MO-1984-1834, ZM-MO-1984-1835, ZM-MO-1984-1836, ZM-MO-1984-1837, ZM-MO-1984-1838, ZM-MO-1984-1839, ZM-MO-1984-1840, ZM-MO-1984-1841, ZM-MO-1984-1842, ZM-MO-1984-1843, ZM-MO-1984-1844, ZM-MO-1984-1845, ZM-MO-1984-1846, ZM-MO-1984-1847, ZM-MO-1984-1848, ZM-MO-1984-1849, ZM-MO-1984-1850, ZM-MO-1984-1851, ZM-MO-1984-1852, ZM-MO-1984-1853, ZM-MO-1984-1854, ZM-MO-1984-1855, ZM-MO-1984-1856, ZM-MO-1984-1857, ZM-MO-1984-1858, ZM-MO-1984-1859, ZM-MO-1984-1860, ZM-MO-1984-1861, ZM-MO-1984-1862, ZM-MO-1984-1863, ZM-MO-1984-1864, ZM-MO-1984-1865, ZM-MO-1984-1866, ZM-MO-1984-1867, ZM-MO-1984-1868, ZM-MO-1984-1869, ZM-MO-1984-1870, ZM-MO-1984-1871, ZM-MO-1984-1872, ZM-MO-1984-1873, ZM-MO-1984-1874, ZM-MO-1984-1875, ZM-MO-1984-1876, ZM-MO-1984-1877, ZM-MO-1984-1878, ZM-MO-1984-1879, ZM-MO-1984-1880, ZM-MO-1984-1881, ZM-MO-1984-1882, ZM-MO-1984-1883, ZM-MO-1984-1884, ZM-MO-1984-1885, ZM-MO-1984-1886, ZM-MO-1984-1887, ZM-MO-1984-1888, ZM-MO-1984-1889, ZM-MO-1984-1890, ZM-MO-1984-1891, ZM-MO-1984-1892, ZM-MO-1984-1893, ZM-MO-1984-1894, ZM-MO-1984-1895, ZM-MO-1984-1896, ZM-MO-1984-1897, ZM-MO-1984-1898, ZM-MO-1984-1899, ZM-MO-1984-1900, ZM-MO-1984-1901, ZM-MO-1984-1902, ZM-MO-1984-1903, ZM-MO-1984-1904, ZM-MO-1984-1905, ZM-MO-1984-1906, ZM-MO-1984-1907, ZM-MO-1984-1908, ZM-MO-1984-1909, ZM-MO-1984-1910, ZM-MO-1984-1911, ZM-MO-1984-1912, ZM-MO-1984-1913, ZM-MO-1984-1914, ZM-MO-1984-1915, ZM-MO-1984-1916, ZM-MO-1984-1917, ZM-MO-1984-1918, ZM-MO-1984-1919, ZM-MO-1984-1920, ZM-MO-1984-1921, ZM-MO-1984-1922, ZM-MO-1984-

1923, ZM-MO-1984-1924, ZM-MO-1984-1925, ZM-MO-1984-1926, ZM-MO-1984-1927, ZM-MO-1984-1928, ZM-MO-1984-1929, ZM-MO-1984-1930, ZM-MO-1984-1931, ZM-MO-1984-1932, ZM-MO-1984-1933, ZM-MO-1984-1935, ZM-MO-1984-1936, ZM-MO-1984-1937, ZM-MO-1984-1938, ZM-MO-1984-1939, ZM-MO-1984-1940, ZM-MO-1984-1941, ZM-MO-1984-1942, ZM-MO-1984-1992, ZM-MO-1984-1993, ZM-MO-1984-1994, ZM-MO-1984-1995, ZM-MO-1984-1996, ZM-MO-1984-1997, ZM-MO-1984-1998, ZM-MO-1984-1999 - Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-1984-1645, ZM-MO-1984-1646 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1985-341, ZM-MO-1985-342, ZM-MO-1985-519, ZM-MO-1985-520, ZM-MO-1985-521, ZM-MO-1985-522, ZM-MO-1985-523 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-1010, ZM-MO-2000-1011, ZM-MO-2000-1012, ZM-MO-2000-1013, ZM-MO-2000-1014, ZM-MO-2000-1015, ZM-MO-2000-1016, ZM-MO-2000-852, ZM-MO-2000-853, ZM-MO-2000-854.

Congo:

Unknown locality: **RMNH**: MAM.13122, MAM.17882, MAM.17883, MAM.17884, MAM.35867; **SMF**: 88516, 88517, 88518, 88519, 88520, 88521, 88522, 88523, 88524, 88525, 88526, 90196, 90197, 90198, 90199, 90200, 90201, 90202, 90203, 90204, 90205, 90206, 90207, 90208, 90209, 90210 - Brazzaville (04 15 33 S 15 17 05 E, 155 m): **AMNH**: 119429, 120308, 120309, 120310, 120311, 120351, 120352, 120353, 120354, 120355, 120356, 120358; **MNHN**: ZM-MO-1905-53 - Brazzaville, near (ca. 041530S 151700E): **AMNH**: 120299, 120300 - Mouyondzi (035926S 135452E, 383 m): **AMNH**: 120343 - Stanley pool (04 11 22 S 15 26 19 E): **MNHN**: ZM-MO-1983-1008.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 32780, 32781, 32782, 32784, 32785, 32786, 33569, 33570, 33571; **SMF**: 93323, 93324, 93325, 93326, 93327, 93328, 93329, 93330, 93331, 93332, 93333, 93334, 93335, 93336, 93337, 93338, 93339, 93340, 93341, 93342 - Aba (03 52 00 N 30 14 00 E, 890 m): **RBINS**: 8154.1, 8154.2, 8154.3 - Cel II (ca. 03 55 00 N 29 22 00 E): **RBINS**: 14000.01, 14000.02, 14000.03, 14000.04, 14000.05, 14000.06, 14000.07, 14000.08, 14000.09, 14000.10, 14000.11, 14001.1, 14001.2, 14003.1, 14003.2, 14003.3, 14003.4, 14004, 14005, 14006; **RMCA**: 36899, 36900, 36901, 36902, 36903, 36904, 36905, 36906, 36907, 36908, 36909, 36910, 36913, 36914 - Defrenne cave (10 58 00 S 26 39 00 E): **RMCA**: 26213 - Duma (03 53 00 N 18 41 00 E, 356 m): **SMF**: 6397 - Elisabethville (11 40 S 27 26 E, 1209 m): **RBINS**: 18510 - Elisabethville (114000S 272600E, 1209 m): **RMCA**: 23914, 23915, 23916, 23917, 26245 - Ganda-Sundi (04 52 00 S 12 52 00 E, 294 m): **RMCA**: 34195 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 8155, 8156 - Goma (01 40 45 S 29 13 22 E, 1499 m): **RBINS**: 15461 - Ishango river (00 08 S 29 36 E, 950 m): **INPBC**: V112, V1127, V1176.001, V1176.002, V1176.003, V1176.004, V1176.005, V1176.006, V1176.007, V1176.008, V1176.009, V1176.010, V1176.011, V1176.012, V1176.013, V1176.014, V1176.015, V1176.016, V1176.017, V1176.018, V1176.019, V1176.020, V1176.021, V1176.022, V1176.023, V1176.024, V1176.025, V1176.026, V1176.027, V1176.028, V1176.029, V1176.030, V1176.031, V1176.032, V1176.033, V1176.034, V1176.035, V1176.036, V1176.037, V1176.038, V1176.039, V1176.040, V1176.041, V1176.042 - Ishango River (080000S 293600E, 950 m): **RMCA**: 35421, 35422, 35423, 35424, 35425, 35426, 35427, 35428, 35429, 35430, 35431, 35432, 35433, 35434, 35435, 35436, 35437, 35438, 35439, 35440, 35441, 35442, 35443, 35444, 35445, 35446, 35447, 35448, 35449, 35450, 35451, 35452, 35453, 35454, 35455, 35456, 35457, 35458, 35459, 82.031-M-0001 - Iso (04 18 00 N 29 56 00 E): **RBINS**: 14002.1, 14002.2, 14002.3, 14002.4, 14002.5, 14002.6, 14002.7, 14002.8; **RMCA**: 36911, 36912 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RBINS**: 14559; **RMCA**: 27541, 27542, 27543, 27544, 27545, 27546, 27547, 27899, 27900, 27901, 27902, 27903, 27904 - Kambukabakali (00 01 00 S 29 36 00 E, 930 m): **INPBC**: W1284, W1286, W1288, W1290, W1292, W1294, W1296, W1298, W1302.01, W1302.02, W1302.03, W1302.04, W1302.05, W1302.06, W1302.07, W1302.08, W1302.09, W1302.10, W1302.11; **RMCA**: 37384, 37385, 37386, 37397, 37398, 37399, 37400, 37401 - Kamponde (06 42 00 S 22 56 00 E, 829 m): **RMCA**: 33373, 33374, 33376, 33377 - Kasapa (113400S 272500E, 1243 m): **RBINS**: 18844, 18845; **RMCA**: 23920 - Kasenye, 10 km N (ca. 01 25 N 30 25 00 E): **RBINS**: 15463 - Kasenyi (0124N 3026E, 671 m): **RBINS**: 14560, 14561; **RMCA**: 37402 - Kashiobwe (093900S 283700E, 918 m): **RMCA**: 26307, 26308, 26309, 26310, 26311, 26312, 26313, 26314, 26315, 26316, 26317, 26318, 26319 - Kasongo (04 27 00 S 26 40 00 E, 625 m): **RMCA**: 29165, 29167, 29168 - Kasongo Samba (04 30 00S 26 40 00 E): **RMCA**: 29206 - Kenya (11 44 S 27 30 E, 1119 m): **RMCA**: 23825, 23918 - Keyberg (11 43 00 S 27 25 00 E): **RMCA**: 23822, 23823, 23901, 23902, 23903, 23904, 23905, 23908, 23909, 23910, 23911, 23912, 23913, 26229, 26296, 26297, 26298, 26299, 26300, 26301, 26302, 26304, 26305, 26320 - Kikwit (05 03 44 S 18 52 38 E, 438 m): **MSB**: 274584, 274585, 274586, 274587, 274588; **RMCA**: 97.021-M-0811, 97.021-M-0812, 97.021-M-0813, 97.021-M-0814, 97.021-M-0815 - Kinshasa (04 19 47 S 15 18 54 E, 240 m): **AMNH**: 49230 (Holotype *Mops (Allomops) osborni*), 49244 (Paratype *Mops (Allomops) osborni*); **RMCA**: 88.011-M-0027 - Kipushi, road to (ca. 1145S 2715E): **RMCA**: 26306 - Kongolo (05 25 S 27 00 E): **HZM**: 156.7822, 157.7823, 158.7824, 159.7825, 160.7826, 161.7827, 162.7828, 163.7829, 164.7830, 165.7831, 166.7832, 167.7833, 168.7834, 169.7835, 170.7836, 171.7837, 172.7838, 173.7839, 174.7840, 175.7841, 176.7842, 177.7843, 178.7844, 179.7845, 180.7846, 181.7847, 182.7848, 183.7849, 184.7850, 185.7851, 186.7852, 187.7853, 188.7854, 189.7855, 190.7856, 191.7857, 192.7858, 193.7859, 194.7860, 195.7861, 196.7862, 197.7863, 198.7864, 199.7865, 200.7866, 201.7867, 202.7868, 203.7869, 204.7870, 205.7871, 206.7872, 207.7873, 208.7874, 209.7875 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 32390, 32391, 32392, 32638, 32639, 32659 - Lovanium university (04 19 47 S 15 18 54 E, 240 m): **ZMA**: MAM.11165, MAM.11166 - Lubondai-Tshimbulu (063400S 223900E, 794 m): **RMCA**: 26303 - Lulimbi (00 28 00 S 29 39 00 E): **RMCA**: 77.029-M-0200, 77.029-M-0201, 77.029-M-0202, 77.029-M-0203, 77.029-M-0204, 77.029-M-0205, 77.029-M-0206, 77.029-M-0207, 77.029-M-0208, 77.029-M-0209 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.7.6.107; **RMCA**: 31549, 33593, 33594 - Luvungi (02 52 S 29 02 E, 887 m): **UNIKIS**: BUKCH01, BUKCH03, BUKCH04, BUKCH05, BUKCH06, BUKCH07, BUKCH08, BUKCH09, BUKCH10, BUKCH11, BUKCH12, BUKCH13, BUKCH14, BUKCH15, BUKCH17, BUKCH18, BUKCH19, BUKCH20, BUKCH22, BUKCH24, BUKCH25, BUKCH26, BUKCH27, BUKCH28, BUKCH30, BUKCH31, BUKCH32, BUKCH34, BUKCH35, BUKCH36, BUKCH37, BUKCH38, BUKCH40, BUKCH42, BUKCH44, BUKCH45, BUKCH46, BUKCH48, BUKCH50, BUKCH51, BUKCH52, BUKCH53, BUKCH54, BUKCH55, BUKCH56, BUKCH58 - Luvungi (02 52 S 29 02 E, 887 m): **RMCA**: 12045 - Make (04 36 00 S 15 10 00E): **RMCA**: 92.148-M-0004 - Nionga (08 35 S 26 18 E): **RMCA**: 9230 - Rwindi (00 47 05 S 29 17 26 E, 1027 m): **INPBC**: V1051, V1542, V1543, V1546.01, V1546.02, V1546.03, V1546.04, V1546.05, V1546.06, V1546.07, V1546.08, V1546.09, V1546.10, V1546.11, V1546.12, V1546.13, V1546.14, V1546.15, V1546.16, V1546.17, V1546.18, V1546.19, V1546.20, V1546.21, V1546.22, V1546.23, V1546.24, V1546.25, V1546.26, V1546.27, V1546.28, V1546.29, V1546.30, V1546.31, V1546.32, V1546.33, V1546.34, V1546.35, V1546.36, V1546.37, V1546.38, V1546.39, V1546.40, V1546.41, V1546.42, V1546.43, V1546.44, V1546.45 - Sakania (124500S 283400E, 1278 m): **RMCA**: 22442, 22443, 22444, 22445, 22446, 22447, 22448, 22449, 22450, 22451 - Sange (03 05 34 S 29 14 47 E): **UNIKIS**: BUKCH60, BUKCH61, BUKCH65, BUKCH68, BUKCH70, BUKCH71, BUKCH72, BUKCH73, BUKCH74, BUKCH75, BUKCH76, BUKCH77, BUKCH78, BUKCH79, BUKCH80, BUKCH81, BUKCH82, BUKCH83, BUKCH84, BUKCH86, BUKCH87, BUKCH88, BUKCH91, BUKCH92, BUKCH93, BUKCH94, BUKCH96, BUKCH99 - Tandala (02 58 00 N 19 21 00 E, 456

m): **MHNG**: 1743.060, 1870.046, 1870.047, 1870.048, 1870.049, 1870.050, 1870.051, 1870.052; **USNM**: 463507, 463508, 463509, 463510, 463511, 463512, 463513, 463514, 463515, 537738, 537739, 537740, 537741 - Tshibambo (10 18 S 28 37 E, 928 m): **RMCA**: 22459, 22460, 22461 - Uvira (032424S 290845E, 746 m): **MCZ**: 48200, 48201, 48202, 48203, 48204, 48205, 48206, 48207, 48208, 48209, 48210, 48211, 48212, 48213, 48214; **RMCA**: 28905, 28906, 35693 - Vitshumbi (00 40 56 S 29 23 12 E, 907 m): **RBINS**: 14562 - Wasseige farm (11 49 45 S 27 20 00 E): **RMCA**: 23906, 23907 - Wasseige farm (115000S 272000E): **RMCA**: 26225, 26226.

Côte d'Ivoire:

Unknown locality: **BMNH**: 1923.2.3.63; **SMF**: 92041, 92042, 92043, 92044 - Assinie (05 07 29 N 03 16 30 W): **MNHN**: ZM-MO-1982-2605, ZM-MO-1982-2606, ZM-MO-1982-2607, ZM-MO-1982-2608, ZM-MO-1982-2609, ZM-MO-1982-2610 - Bouaké (07 41 N 05 01 59 W, 312 m): **FMNH**: 99043 - I.D.E.R.T. (05 20 00 N 04 07 00 W): **RMCA**: 97.077-M-3131 - Lamto (06 12 00 N 05 02 00 W): **RMCA**: 97.077-M-3133; **ROM**: 84966, 84967 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1717 - Niakaramandougou (08 40 00 N 05 17 00 W, 303 m): **RMCA**: 85.039-M-0001.

Equatorial Guinea:

Unknown locality: **MNHN**: ZM-MO-1999-132, ZM-MO-1999-133.

Ethiopia:

Unknown locality: **BMNH**: 1971.617, 1971.617_01, 1971.617_02, 1971.617_03, 1971.617_04, 1971.617_05, 1971.617_06, 1971.617_07, 1971.617_08, 1971.617_09, 1971.617_10, 1971.617_11, 1971.621, 1972.4467, 1972.4468; **SMF**: 41835, 41836 - Abiata, lake (0737N 3836E): **USNM**: 589174 - Abyssinia: **ZMB**: 5587 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **USNM**: 589173 - Gambela (08 15 N 34 35 E, 514 m): **USNM**: 520904.

Gabon:

Unknown locality: **ZMB**: 7032.

Ghana:

Unknown locality: **BMNH**: 1958.609, 1965.761, 1975.565 - Afloa, 72 km W (06 07 N 01 11 E): **ROM**: 39456, 39457, 39458, 39459, 39460 - Bimbilla, 15 mi [=24 km] S (08 52 N 00 04 E): **AMNH**: 239412 - Denu (06 05 55 N 01 08 50 E, 60 m): **USNM**: 412629, 412630, 412631, 412632, 412633, 412634, 412635, 412636, 412637, 412638, 412639, 412640, 412641, 412642, 412643, 412644, 412645, 412646, 412647, 412648, 412649, 412650, 412651, 412652, 412653, 412654, 412655, 412656, 412657, 412658, 412659, 412660, 412661, 412662, 412663, 412664, 412665, 412666, 412667, 412668, 412669, 412670, 412671, 412672, 412673, 412674, 412675, 412676, 412677, 412678, 412679, 412680, 412681, 412682, 412683, 412684, 412685, 412686, 412687, 412688, 412689, 412690, 412691, 412692, 412693, 412694, 412695, 412696, 412697, 412698, 412699, 412700, 412701, 412702, 412703, 412704, 412705, 412706, 412707, 412708, 412709, 412710, 412711, 412712, 412713, 412714, 412715, 412716, 412717, 412718, 412719, 412720 - Doyum (05 54 N 00 01 E, 46 m): **ROM**: 60233, 60239, 60240, 60241, 60242, 60248, 60249, 60251, 60252, 60253, 60255, 60257, 60258, 60259, 60260, 60261, 60262, 60263, 60266, 60268, 60269, 60270, 60271, 60272, 60273, 60274, 60275, 60276; **USNM**: 412357, 412358, 412359, 412360, 412361, 412362, 412363, 412364, 412365, 412366, 412367, 412368, 412369, 412370, 412371, 412372, 412373, 412374, 412375, 412376, 412377, 412378, 412379, 412380, 412381, 412382, 412383, 412384, 412385, 412386, 412387, 412388, 412389, 412390, 412391, 412392, 412393, 412394, 412395, 412396, 412397, 412398, 412399, 412400, 412401, 412402, 412403, 412404, 412405, 412406, 412407, 412408, 412409, 412410, 412411, 412412, 412413, 412414, 412415, 412416, 412417, 412418, 412419, 412420, 412421, 412422, 412423, 412424, 412425, 412426 - Kade Agricultural Research Station (06 05 N 00 50 W, 127 m): **ROM**: 60277, 60278, 60279, 60280 - Legon (05 39 00 N 00 11 00 W, 30 m): **USNM**: 414386, 414387, 429531, 479645, 479646 - Oda and Akim, between (05 54 N 00 55 W): **ROM**: 59827 - Teshi (0535N 0006W): **USNM**: 412278, 412279, 412280, 412281, 412282, 412283, 412284, 412285, 412286, 412287, 412288, 412427, 412428, 412429, 412430, 412431, 412432, 412433, 412434, 412435, 412436, 412437, 412438, 412439, 412440, 412441, 412442, 412443, 412444, 412445, 412446, 412447, 412448, 412449, 412450, 412451, 412452, 412453, 412454, 412455, 412456, 412457, 412458, 412459, 412460, 412461, 412462, 412463, 412464, 412465, 412466, 412467, 412468, 412469, 412470, 412471, 412472, 412473, 412474, 412475, 412476, 412477, 412478, 412479, 412480, 412481, 412482, 412483, 412484, 412485, 412486, 412487, 412488, 412489, 412490, 412491, 412492, 412493, 412494, 412495, 412496, 412497, 412498, 412499, 412500, 412501, 412502, 412503, 412504, 412505, 412506, 412507, 412508, 412509, 412510, 412511, 412512, 412513, 412514, 412515, 412516, 412517, 412518, 412519, 412520, 412521, 412522, 412523, 412524, 412525, 412526, 412527, 412528, 412529, 412530, 412531, 412532, 412533, 412534, 412535, 412536, 412537, 412538, 412539, 412540, 412541, 412542, 412543, 412544, 412545, 412546, 412547, 412548, 412549, 412550, 412551, 412552, 412553, 412554, 412555, 412556, 412557, 412558, 412559, 412560, 412561, 412562, 412563, 412564, 412565, 412566, 412567, 412568, 412569, 412570, 412571, 412572, 412573, 412574, 412575, 412576, 412577, 412578, 412579, 412580, 412581, 412582, 412583, 412584, 412585, 412586, 412587, 412588, 412589, 412590, 412591, 412592, 412593, 412594, 412595, 412596, 412597, 412598, 412599, 412600, 412601, 412602, 412603, 412604, 412605, 412606, 412607, 412608, 412609, 412610, 412611, 412612, 412613, 412614, 412615, 412616, 412617, 412618, 412619, 412620, 412621, 412622, 412623, 412624, 412625, 412626, 412627, 412628, 479647, 479648, 479649, 479650, 479651, 479652, 479653, 479654, 479655, 479656, 479657, 479658, 479659, 479660, 479661, 479662, 479663, 479664, 479665, 479666, 479667, 479668, 479669, 479670, 479671, 479672, 479673, 479674, 479675, 479676, 479677, 479678, 479679, 479698, 479699, 479700, 479701, 479702, 479703, 479704, 479705, 479706, 479707, 479708, 479709, 479710, 479711, 479712, 479713, 479714, 479715, 479716, 479717, 479718, 479719, 479720, 479721, 479722, 479723, 479724, 479725, 479726, 479727, 479728, 479729, 479730, 479731, 479732, 479733, 479734, 479735, 479736, 479737, 479738, 479739, 479740, 479741, 479742, 479743, 479744, 479745 - University of Ghana (053900N 001100W): **USNM**: 412356 - Yabraso (0804N 0147W): **USNM**: 424989, 424990, 424991, 424992, 424993, 424994, 424995, 424996, 424997, 424998, 435004.

Guinea:

Oueleba (08 35 38 N 08 53 47 W, 1029 m): **ZFMK**: 2008.0308, 2008.0309 - Pic de Foko (08 29 35 N 08 53 48 W, 1289 m): **ZFMK**: 2009.0034, 2009.0035.

Guinea-Bissau:

Unknown locality: **USNM**: 142551, 142552 - Bissau (11 51 00 N 15 35 00 W, 0 m): **AMNH**: 27370 - Contubo-el (12 23 00 N 14 34 00 W): **RMCA**: 15308 (Syntype *Mops osborni occidentalis*) - Mansoa (12 04 24 N 15 19 08 W, 3 m): **MNHN**: ZM-MO-1940-1207, ZM-MO-1940-1208; **NMBA**: 5268 (Syntype *Mops osborni occidentalis*), 5269 (Syntype *Mops osborni occidentalis*), 5270 (Syntype *Mops osborni occidentalis f. fulva*); **RMCA**: 15307 (Syntype *Mops osborni occidentalis*), 15309 (Syntype *Mops osborni occidentalis f. fulva*).

Kenya:

Unknown locality: **BMNH**: 1924.1.1.60, 1924.1.1.61, 1924.1.1.62, 1975.2714, 1975.2719, 1975.2720, 1975.2958_1, 1975.2958_2, 1975.2958_3, 1975.2958_4, 1978.938, 1978.954_1, 1978.954_2, 1978.955; **RMCA**: 35269; **RMNH**: MAM.31792, MAM.31793; **SMF**: 25780 - Amboseli (024000S 371700E, 1152 m): **ROM**: 36484, 36485, 36486, 36487, 36488 - Athi river (0259S 3831E): **USNM**: 437142, 437143, 437144, 437145, 437146, 437147, 437148, 437149, 437150, 437151, 437152 - Athi river (0259S 3831E, 1528 m): **ROM**: 68542, 68543, 68544, 68565 - Bondo (00 06 00 S 34 16 00 E, 1276 m): **ZMA**: MAM.10238, MAM.10239, MAM.10240 - Central [former] province: **SMF**: 38452, 38453 - Coast [former] province: **SMF**: 38588, 38589, 38590, 38591, 38592, 38593 - Gedi (03 18 S 40 01 E, 7 m): **WAM**: M21242 - Igembe (0015N 3755E, 1460 m): **ROM**: 48488, 48489, 48490, 48491, 48492, 48493 - Ijara, 4.5 mi SW (ca. 0136S 4031E, 250 ft): **AMNH**: 187351 - Isiolo (0020N 3736E): **ROM**: 75985 - Isiolo (0020N 3736E, 610 m): **ROM**: 76001, 76002, 76003 - Kalamou: **FMNH**: 152996, 152997, 152998, 152999, 153000, 153001, 153002 - Kalimoni (0106S 3701E, 1551 m): **USNM**: 351275, 351276, 351277, 351278, 351279, 351280, 351281, 351282, 351283, 351284, 351285, 351286, 351287, 351288, 351289, 351290, 351291, 351292, 351293, 351294, 351295, 351296, 351297, 351298, 351299, 351300, 351301, 351302, 351303, 351304, 351305, 351306, 351307, 351308, 351309, 351310, 351311, 351312, 351313, 351314, 351315, 351316, 351317, 351318 - Kampi Ya Samaki (003600N 360100E, 1006 m): **USNM**: 437240 - Kampi Ya Samaki (003600N 360100E, 914 m): **ROM**: 68545, 68546, 68547, 68600 - Kiambu (011000S 365000E): **ROM**: 45957, 45958, 45959, 45960, 75987, 75988, 75989, 75990, 75991, 75992, 75993, 75994, 75995, 75996, 75997, 75998, 75999, 76000, 76004, 76005, 76006, 76007, 76008, 76009, 76010, 76011, 76012, 76013, 76014, 76015; **USNM**: 351075, 351076, 351077, 351078, 351079, 351080, 351081, 351082, 351083, 351084, 351085 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **USNM**: 437160, 437161 - Kiboko (02 11 00 S 37 43 00 E, 924 m): **FMNH**: 86613 - Kiboko (02 11 00 S 37 43 00 E, 930 m): **USNM**: 437236, 437237, 437238, 437239 - Kiboko (02 11 00 S 37 43 00 E, 945 m): **USNM**: 437153, 437154, 437155, 437156, 437157, 437158, 437159, 437162, 437163, 437164, 437165, 437166, 437167, 437168, 437169, 437170, 437171, 437172, 437173, 437174, 437175, 437176, 437177, 437178, 437179, 437180, 437181, 437182, 437183, 437184, 437185, 437186 - Kibwezi (02 25 00 S 37 58 00 E, 3000 - 4000 ft): **USNM**: 437235 - Kilifi (0338S 3951E, 61 m): **ROM**: 75986; **WNMU**: 6176 - Kilifi, 2 mi N (ca. 033800S 395100E, 50 m): **FMNH**: 153003 - Kisii (0040S 3447E): **CAS**: 24566, 24567 - Kisumu (0006S 3445E): **FMNH**: 42735; **MCZ**: 22818; **ROM**: 63963, 63964, 63966, 63967, 63968, 63969, 63970, 63973, 63974, 63975, 63976, 63977, 63978, 63979, 63980, 63981, 63982, 63983, 63984, 63986 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **MCZ**: 48889; **ROM**: 36473, 36477, 36478, 36479, 36480, 36481, 36482, 36483, 41886, 41887, 41888, 73137, 73138, 75984 - Langata (01 24 S 36 46 E, 1731 m): **CAS**: 12004, 12005 - Limuru (0106S 3639E, 2240 m): **CAS**: 12006 - Makindu River (02 09 25 S 37 54 25 E, 975 m): **ROM**: 65870 - Makindu River (020925S 375425E, 975 m): **ROM**: 65954, 65955 - Malindi (031300S 400700E, 0 m): **ROM**: 44247 - Mara River: **AMNH**: 184407, 184408, 184409, 184410, 184411, 184412, 184413, 184414 - Marigat (002800N 355900E, 1062 m): **ROM**: 75447, 75455 - Marigat, Perakera River (002800N 355900E, 1036 m): **ROM**: 68563 - Meru (0003N 3739E, 1581 m): **ROM**: 48509 - Mombasa (04 03 00 S 39 40 00 E, 0 m): **SMF**: 23927, 23928, 23929, 23930, 23931, 23932, 23933, 23934, 23935, 23936, 23937, 23938, 23939, 23940, 23941, 23942, 23943, 23944, 23945, 23946, 23947, 23948, 23949, 23950, 23951, 23952, 23953, 23954, 23955, 23956, 23957, 23958, 23959, 23960, 23961, 23962, 23963, 23964, 23965, 23966, 23967, 23968, 23969, 23970, 23971, 23972, 23973, 23974, 23975, 23976, 23977, 23978, 23979, 23980, 23981, 23982, 23983, 23984, 23985, 23986, 23987, 23988, 23989, 23990, 23991, 23992, 23993, 23994, 23995, 23996, 23997, 23998, 23999, 24000, 24001, 24002, 24003, 24004, 24005, 24006, 24007, 24008, 24009, 24010, 24011, 24012, 24013, 24014, 24015, 24016, 24017, 24018, 24019, 24020, 24021, 24022, 24023, 24024, 24025, 24026, 24027, 24028, 24029, 24030, 24031, 24032, 24033, 24034, 24035, 24036, 24037, 24038, 24039, 24040, 24041, 24042, 24043, 24044, 24045, 24046, 24047, 24048, 24049, 24050, 24051, 24052, 24053, 24054, 24055, 24056, 24057, 24058, 24059, 24060, 24061, 24062, 24063, 24064, 24065, 24066, 24067, 24068, 24069, 24070, 24071, 24072, 24073, 24074, 24075, 24076, 24077, 24078, 24079, 24080, 24081, 24082, 24083, 24084, 24085, 24086, 24087, 24088, 24089, 24090, 24091, 24092, 24093, 24094, 24095, 24096, 24097, 24098, 24099, 24100, 24101, 24102, 24103, 24104, 24105, 24106, 24107, 24108, 24109, 24110, 24111, 24112, 24113, 24114, 24115, 24116, 24117, 24118, 24119, 24120, 24121, 24122, 24123, 24124, 24125, 24126, 24127, 24128, 24129, 24130, 24131, 24132, 24133, 24134, 24135, 24136, 24137, 24138, 24139, 24140, 24141, 24142, 24143, 24144, 24145, 24146, 24147, 24148, 24149, 24150, 24151, 24152, 24153, 24154, 24155, 24156, 24157, 24158, 24159, 24160, 24161, 24162, 24163, 24164, 24165, 24166, 24167, 24168, 24169, 24170, 24171, 24172, 24173, 24174, 24175, 24176, 24177, 24178, 24179, 24180, 24181, 24182, 24183, 24184, 24185, 24186, 24187, 24188, 24189, 24190, 24191, 24192, 24193, 24194, 24195, 24196, 24197, 24198, 24199, 24200, 24201, 24202, 24203, 24204, 24205, 24206, 24207, 24208, 24209, 24210, 24211, 24212, 24213, 24214, 24215, 24216, 24217, 24218, 24219, 24220, 24221, 24222, 24223, 24224, 24225, 24228, 24229, 24230, 24231, 24232, 24233, 24234, 24235, 24236, 24237, 24238, 24239, 24240, 24241, 24242, 24243, 24244, 24245, 24246, 24247, 24248, 24249, 24250, 24251, 24252, 24253, 24254, 24255, 24256, 24257, 24258, 24259, 24260, 24261, 24262, 24263, 24264, 24265, 24266, 24267, 24268, 24269, 24270, 24271, 24272, 24273, 24274, 24275, 24276, 24277, 24278 - Mtito Andei (0240S 3810E): **USNM**: 437208 - Mtito Andei (0240S 3810E, 769 m): **USNM**: 437187, 437188, 437189, 437190, 437191, 437192, 437193, 437194, 437195, 437196, 437197, 437198, 437199, 437200, 437201, 437202, 437203, 437204, 437205, 437206, 437207, 437209, 437210, 437211, 437212, 437213, 437214, 437215, 437216, 437217, 437218, 437219, 437220, 437221, 437222, 437223, 437224, 437225 - Mumandu Hill (014000S 371700E): **ROM**: 71149, 71150, 71151 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **FMNH**: 152993, 152994, 152995; **ROM**: 45961, 45962, 45963 - Nairobi, 10 mi [= 16 km] below (011700S 364900E, 1707 m): **FMNH**: 67689, 67940 - Naivasha, 2 mi [= 3.2 km] SE (Lake Hotel) (00 44 S 36 26 E): **FMNH**: 153004, 153005, 153006, 153007 - Naivasha, 35 km E (00 44 S 36 45 E, 1890 m): **ROM**: 73364, 73365, 73366, 73367, 73368, 73369, 73370, 73371, 73372 - Nakuru (00 17 00 S 36 04 00 E, 1952 m): **SMF**: 19465 - Ngambo (0030N 3605E, 1036 m): **ROM**: 75467, 75468, 75469, 75470, 75471, 75472, 75473, 75474 - Ngatana (ca. 0211S 4011E): **MCZ**: 31855, 31856, 31857, 31858, 31859, 31860, 31861, 31862, 31863, 31865, 33851, 33852, 33853, 33854, 33855, 33856, 33857, 33858, 33859, 33860 - on Galole Road (013013S 400144E): **ROM**: 71272, 71306, 71318, 71319, 71320 - Rocky Island, Uhaya Bay: **ZMA**: MAM.10241 - Ruiru (010900S 362508E, 1564 m): **ROM**: 76016 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **YPM**: MAM 003089 - Thika (01 03 S 37 05 E, 1531 m): **FMNH**: 67942 - Thika (01 03 S 37 05 E, 1829 m): **FMNH**: 67941, 67943 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 59209, 76017, 76018, 76019, 76020, 76021, 76022, 76023, 76024, 81284, 81285, 81286, 81287 - Tsavo East-NP, Mudanda Rock Crevices: **ROM**: 41836 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **USNM**: 437226, 437227, 437228, 437229, 437230, 437231, 437232, 437233, 437234 - Wangala (033608S 384952E, 610 m): **ROM**: 68629, 68630, 68631, 68632, 68633, 68634, 68635, 68636, 68637, 68638, 68639, 68640, 68641, 68642, 68643, 68644, 68645, 68646, 68647, 68648, 68649, 68650, 68651, 68652, 68653, 68654, 68655, 68656, 68657, 68658, 68659, 68660, 68661, 68662, 68679 - Wangala Station (033608S 384952E, 320 m): **ROM**: 68101.

Liberia:

Cuttington University College (07 02 24 N 09 33 15 W): **AMNH**: 276131 - Robertsport (064512N 112207W, 158 m): **AMNH**: 276124, 276125, 276126, 276127, 276128, 276129, 276130.

Madagascar:

Ambanja (1341S 4827E): **USNM**: 341803, 341805, 341810 - Ambanja, 6 km SE (1341S 4827E): **USNM**: 341781, 341782, 341783, 341784, 341785, 341786, 341787, 341788, 341789, 341790, 341791, 341792, 341793, 341794, 341795, 341796, 341797, 341798, 341799, 341804, 341806, 341807, 341808, 341809, 341811, 341812 - Ampijoroa (ca. 1618S 4649E): **USNM**: 341744, 341745, 341746, 341747, 341748, 341749, 341750, 341751, 341752, 341753, 341754, 341755, 341756, 341757, 341758, 341759, 341760, 341761, 341762, 341763, 341764, 341765, 341766, 341767, 341768, 341769, 341770, 341771, 341772, 341773, 341774, 341775, 341776, 341777, 341778 - Ampijoroa forest (1618S 4649E): **MNHN**: ZM-MO-1991-1854, ZM-MO-1991-1855, ZM-MO-1991-1856, ZM-MO-1991-1857, ZM-MO-1991-1858, ZM-MO-1991-1859, ZM-MO-1991-1860 - Analamazaotra forest, Périnet (185600S 482500E, 800 - 991 m): **MNHN**: ZM-MO-1985-477, ZM-MO-1985-479, ZM-MO-1998-1919 - Andreba [railroad station] (1738S 4832E, 914 m): **USNM**: 328738, 328739, 328740, 328741, 328742, 328743, 328744, 328745, 328746, 328747, 328748, 328749, 328750, 328751, 328752, 328753, 328754, 328755, 328756, 328757, 328758, 328759, 328760, 328761, 328762, 328763, 328764, 328765, 328766, 328767, 328768, 328769, 328770 - Boeni (15 54 S 45 56 E, 44 m): **MNHN**: ZM-MO-1991-1846, ZM-MO-1991-1847, ZM-MO-1991-1848, ZM-MO-1991-1849, ZM-MO-1991-1850, ZM-MO-1991-1851, ZM-MO-1991-1852, ZM-MO-1991-1853 - Brickaville (18 49 S 49 04 E, 3 m): **MNHN**: ZM-MO-1985-441 - Kianjavato, 0.5 km N (2123S 4752E, 300 m): **USNM**: 448890, 448891, 448942, 448943 - Mistinjo: **MNHN**: ZM-MO-1877-340, ZM-MO-1877-388, ZM-MO-1877-389, ZM-MO-1912-34 A, ZM-MO-1912-34 B, ZM-MO-1912-34 C, ZM-MO-1912-34 D, ZM-MO-1912-34 E, ZM-MO-1947-309 A, ZM-MO-1947-309 B, ZM-MO-1984-1273 - Rogez (184800S 483700E, 359 m): **MNHN**: ZM-MO-1984-764, ZM-MO-1984-765, ZM-MO-1984-766, ZM-MO-1984-767, ZM-MO-1984-768, ZM-MO-1984-769, ZM-MO-1984-770, ZM-MO-1984-771, ZM-MO-1984-772 - Toliara province: **FMNH**: 151943.

Malawi:

Unknown locality: **BMNH**: 1977.28_1, 1977.28_2, 1987.1160, 1987.1165, 1987.1166; **RMNH**: MAM.28411; **ZMA**: MAM.28412 - Chimpini Farm (1522S 3527E, 717 m): **MCZ**: 51464 - Chinteche (1150S 3410E): **TM**: 9174, 9175, 9176, 9177, 9178, 9179 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **KU**: 79318 - Chitale (13.67S 34.27E): **ROM**: 36474 - Chitale (1340S 3416E, 608 m): **ROM**: 36475, 36476 - Kota Kota (12 55 00 S 34 18 00 E, 471 m): **AMNH**: 161862, 161863, 161864, 161865, 161866, 161867, 161868, 161869, 161870, 161871, 161872, 161873, 161874, 161875, 161876, 161877, 161878, 161879, 161880, 161881, 161882, 161883, 161884, 161885, 161886, 161887, 161888, 161889, 161890, 161891, 161892, 161893, 161894, 161895, 161896, 161897, 161898, 161899, 161900, 161901, 207417, 207418; **BMNH**: 1966.2411, 1966.2412, 1966.2413, 1966.2414, 1966.2415, 1966.2416, 1966.2417, 1966.2418, 1966.2419, 1966.2420, 1966.2421, 1966.2422, 1966.2423, 1966.2424, 1966.2425, 1966.2426, 1966.2427, 1966.2428, 1966.2429, 1966.2430, 1966.2431, 1966.2432, 1966.2433, 1966.2434, 1966.2435, 1966.2436, 1966.2437, 1966.2438, 1966.2439, 1966.2440, 1966.2441, 1966.2442, 1966.2443, 1966.2444, 1966.2445, 1966.2446, 1966.2447, 1966.2448, 1966.2449, 1966.2450, 1966.2451, 1966.2452, 1966.2453, 1966.2454, 1966.2455, 1966.2456; **NHMZ**: 22816, 22835, 22836, 22837, 22838, 22839, 22840 - Lengwe National Park (16 15 00 S 34 45 00 E): **WAM**: M25703, M25704 - Monkey Bay (14 04 00 S 34 55 00 E, 496m): **NHMZ**: 62205 - Mpyupyu Prison Farm (15 22 S 35 27 E, 717 m): **ZMA**: MAM.28406, MAM.28407, MAM.28408 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.28409, MAM.28410 - Nkhata Bay (11 36 S 34 18 E, 471 m): **ZMA**: MAM.28411 - Nkhotakota (12.93S 34.3E): **KM**: 11781 - Nsanje (16 55 S 35 16 E, 14 m): **KU**: 121797, 121798, 121799, 121800, 121801, 121802, 121803, 121804, 121805, 121806, 121807, 121808, 121809, 121810, 121811, 121812, 121813, 121814, 121815, 121816, 121817, 121818, 121819; **ROM**: 57555 - Sucoma (16 14 00 S 34 53 00 E): **WAM**: M25714, M25718, M25720.

Mali:

Unknown locality: **MNHN**: ZM-MO-1966-176 - Bamako (123900N 080000W, 349 m): **MNHN**: ZM-MO-1936-1501, ZM-MO-1936-1502, ZM-MO-1936-1503, ZM-MO-1936-1504, ZM-MO-1936-1505, ZM-MO-1936-1506 - Bamako (1240N 0759W): **FMNH**: 42135 - Dialagou (14 32 02 N 04 07 57 W, 271 m): **MNHN**: ZM-MO-1984-1310, ZM-MO-1984-1311, ZM-MO-1984-1312, ZM-MO-1984-1313 - Sotuba (1236N 0755W): **FMNH**: 42136, 42137, 42138 (Holotype *Mops angolensis wonderi*), 42139, 42140, 42386, 42387, 42388.

Mauritania:

Rosso (163037N 155451W, 45 m): **USNM**: 401433, 401434, 401435, 401436, 401437, 401438, 401439, 401440, 401441, 401442, 401443, 401444, 401445, 401446, 401447, 401448, 401449, 401450, 401451, 401452, 401453, 401454, 401455, 401456, 401457, 401458, 401459, 401460, 401461, 401462, 401463, 401464, 401465, 401466, 401467, 401468, 401469, 401470, 401471, 401472, 401473, 401474, 401475, 401476, 401477, 401478, 401479, 401480, 401481, 401482, 401483, 401484, 401485, 401486, 401487, 401488, 401489, 401490, 401491, 401492, 401493, 401494, 401495, 401496, 401497, 401498, 401499, 401500, 401501, 401502, 479920, 479921, 479922, 479923, 479924, 479925, 479926, 479927, 479928, 479929, 479930, 479931, 479932, 479933, 479934, 479935, 479936, 479937, 479938, 479939, 479940, 479941, 479942, 479943, 479944, 479945, 479946, 479947, 479948, 479949, 479950, 479951, 479952.

Mozambique:

Bazaruto Lodge (21 36 55 S 35 20 15 E): **DNSM**: 5940, 5941 - Beira (19.84S 34.88E): **NHMZ**: 63864 - Beira, 10 km N (19.82S 34.87E): **USNM**: 365580 - Beira,10 km N (19.82S 34.87E): **USNM**: 365581, 365582, 365583, 365584, 365585, 365586, 365587, 365588, 365589, 365590, 365591, 365592, 365593 - Bela Vista (25 58 S 32 30 E, 5 m): **DNSM**: 105, 106, 107 - Boane (26.13S 32.38E): **CZL**: 3263011 - Buzi River (19 55 40 S 33 49 42 E): **DNSM**: 8620 - Casa Msika lodge (19 02 25 S 33 05 24 E): **DNSM**: 11511 - Chigubo (224945S 333126E, 91 m): **USNM**: 352134, 352135, 352136, 352137, 352138, 352139, 352140, 352141, 352142, 352143, 352144, 352145, 352146, 352147, 352148, 352149, 352150, 352151 - Chitengo, 100 km E (18.75S 34.75E): **NHMZ**: 63870 - Chokwe, Limpopo Bridge (24 24 21 S 32 52 54 E): **DNSM**: 8621 - Coguno (24.55S 34.38E): **USNM**: 352180, 352181, 352182, 352183, 352184, 352185, 352186, 352187, 352188, 352189, 352190, 352191, 352192, 352193, 352194, 352195, 352196, 352197, 352198 - Covane (21.37S 33.87E): **NHMZ**: 62459 - Covane (212155S 335615E, 75 m): **ROM**: 67534, 67535, 67538, 67539, 67540, 67541 - Dondo (19 36 34 S 34 44 35 E, 56 m): **USNM**: 365594, 365595, 365596, 365597, 365598, 365599, 365600, 365601, 365602, 365603, 365604, 365605, 365606, 365607, 365608, 365609, 365610, 365611, 365612, 365613, 365614, 365615, 365616, 365617, 365618, 365619, 365620, 365621, 365622, 365623, 365624, 365625, 365626, 365627, 365628, 365629, 365630, 365631, 365632, 365633, 365634, 365635, 365636, 365637, 365638, 365639, 365640, 365641, 365642, 365643, 365644, 365645, 365646, 365647, 365648, 365649, 365650, 365651, 365652, 365653, 365654, 365655, 365656, 365657, 365658 - Lagoa De Ura (1942S 3419E): **ROM**: 51090 - Macovane (212920S 350323E, 0 m): **AMNH**: 244311, 244312, 244313, 244314, 244315, 244316, 244317, 244318, 244319, 244320; **ROM**:

67536, 67537 - Marine Research Station (260136.84S 325439.24E): **TM**: 12449 - Marromeu Town (18.25S 35.94E): **NHMZ**: 83937 - Marromeu, Coutada 11 HQ (18.25S 35.75E): **NHMZ**: 84011 - Massinga (23.13S 35.38E): **USNM**: 352132, 352164, 352165, 352166, 352167, 352168 - Moamba (25.6S 32.23E): **USNM**: 352152 - Moamba (253546S 321436E, 112 m): **USNM**: 352153, 352154 - Mombane (205917S 350120E, 10 m): **USNM**: 352155, 352156, 352157, 352158, 352159, 352160, 352161, 352162 - Panda (24 03 48 S 34 43 49 E): **DNSM**: 113; **USNM**: 352169, 352170, 352171, 352172, 352173, 352174, 352175, 352176, 352177, 352178, 352179 - Panda (24 03 48 S 34 43 49 E, 144 m): **DNSM**: 112 - Ressano Garcia, 10 km SSE (25.37S 32.05E): **NHMZ**: 62468 - Tete, 2 mi E (ca. 1610S 3337E): **TM**: 14612, 14613, 14614, 14615, 14616, 14617, 14618, 14619, 14620, 14621, 14622, 14623, 14624, 14625, 14626, 14627, 14628, 14629, 14630, 14642 - Tete, 2 mi SE (1607S 3337E): **TM**: 14631, 14632, 14633, 14634, 14635, 14636, 14640, 14641, 14643, 14644, 14645, 14646, 14647, 14648; **USNM**: 365492, 365493, 365494, 365495, 365496, 365497, 365498, 365499, 365500, 365501, 365502, 365504, 365505, 365506, 365507, 365508, 365509, 365510, 365511, 365512, 365513, 365514, 365515, 365516, 365517, 365518, 365519, 365520, 365521, 365522, 365523, 365524, 365525, 365526, 365527, 365528, 365529, 365530, 365531, 365682, 365683, 365684, 365685, 365686, 365687, 365688, 365689, 365690, 365691, 365692, 365693, 365694, 365695, 365696, 365697, 365698, 365699, 365700, 365701, 365702, 365703, 367572, 367573, 367574, 367575, 367576, 367577, 367578, 367579, 367580, 367581, 367582, 367583, 367584, 367585, 367586, 367587, 367588, 367589, 367590, 367591, 367592, 367593, 367594, 367595, 367596, 367597, 367598, 367599, 367600, 367601, 367602, 367603, 367604, 367606, 367607, 367608, 367609, 367610, 367611, 367612, 367613, 367614, 367615, 367616, 367617, 367618, 367619, 367620, 367621, 367622, 367623, 367624, 367625, 367626, 367627, 367628, 367629, 367630, 367631, 367632, 367633, 367634, 367635, 367636, 367637 - Tete, 3 km E (16.27S 33.6E): **USNM**: 365470 - Vila Machado (191609S 341246E): **USNM**: 365532, 365533, 365534, 365535, 365536, 365537, 365538, 365539, 365540, 365541, 365542, 365543, 365544, 365545, 365546, 365547, 365548, 365549, 365550, 365551, 365552, 365553, 365554, 365555, 365556, 365557, 365558, 365559, 365560, 365561, 365562, 365563, 365564, 365565, 365566, 365567, 365568, 365569, 365570, 365571, 365572, 365573, 365574, 365575, 365576, 365577, 365578, 365579, 367638, 367639, 367640, 367641, 367642, 367643, 367644, 367645 - Vila Machado, 3 km SE (1917S 3417E): **USNM**: 365467 - Vilanculos (22.0S 35.28E): **USNM**: 352163 - Vilanculos (22.0S 35.28E, 10 m): **FMNH**: 177175, 177176, 177177, 177178, 177179, 177180, 177181, 177182, 177183, 177184, 177185, 177186, 177187, 177188, 177189, 177190, 177191 - Zinave (21 26 12 S 33 51 01 E): **AMNH**: 216233 - Zinave NP, 3 km SSW (21.39S 33.89E): **NHMZ**: 33451 - Zinave NR (21.37S 33.87E): **NHMZ**: 62469.

Namibia:

Unknown locality: **RMCA**: a1.091-M-0008.

Niger:

Park West (12 36 N 02 29 E): **UCM**: 15186 - Tenda (115919N 031856E, 209 m): **MVZ**: 154313, 154314, 154315, 154316, 154317, 154318, 154319, 154320 - Tillaberi region: **SMF**: 62970, 62971.

Nigeria:

Unknown locality: **BMNH**: 1897.6.3.2, 1897.6.3.3, 1899.8.24.11, 1899.8.24.12, 1899.8.24.13, 1952.116, 1953.32, 1953.700, 1953.701, 1953.703, 1960.432, 1960.433, 1960.434, 1960.435 - Aguleri, 1.5 mi E (062000N 065300E): **USNM**: 377244, 377245, 377246, 377247, 377248 - Asaba, 5 mi [=8 km] N (ca. 06 11 N 06 45 E): **USNM**: 377222, 377223, 377224, 377225, 377226, 377227, 377228, 377229, 377230, 377231, 377232, 377233, 377234, 377235, 377236, 377237, 377238, 377239, 377240, 377241, 377242, 377243 - Enugu state: **SMF**: 92092, 92093, 92094, 92095, 92096, 92097, 92098, 92099, 92100, 92101, 92102, 92103, 92104 - Ibadan University College (07 23 16 N 03 53 47 E, 237 m): **USNM**: 377140, 377141, 377142, 377143, 377144, 377145, 377146, 377147, 377148, 377149, 377150, 377151, 377152, 377153, 377154, 377155, 377156, 377157, 377158, 377159, 377160, 377161, 377162, 377249, 377250, 377251, 377252, 377253, 377254, 377255, 377256, 377257, 377258, 377259, 377260, 377261, 377262, 377263, 377264, 377265, 377266, 377267, 379528, 379529, 379530, 379531, 379532, 379533, 379534, 379535, 379536, 379537 - Oyo, 7 mi [= 11 km] W (072015N 034529E): **USNM**: 377163, 377164, 377165, 377166, 377167, 377168, 377169, 377170, 377171, 377172, 377173, 377174, 377175, 377176, 377177, 377178, 377179, 377180, 377181, 377182, 377183, 377184, 377185, 377186, 377187, 377188, 377189, 377190, 377191, 377192, 377193, 377194, 377195, 377196, 377197, 377198, 377199, 377200, 377201, 377202, 377203, 377204, 377205, 377206, 377207, 377208, 377209, 377210, 377211, 377212, 377213, 377214, 377215, 377216, 377217, 377218, 377219, 377220, 377221 - Plateau state: **SMF**: 86934, 86935, 86936, 86937, 86938, 86939, 86940, 86941, 86942, 86943, 86944, 86945, 86946, 86947, 86948, 86949, 86950, 86951, 86952 - Shagunu (10 20 N 04 28 E, 77 m): **USNM**: 379556, 379557, 379558, 379559, 379560, 379561, 379562, 379563, 379564, 379565, 379566, 379567, 379568, 379569, 379570, 379571, 379572, 379573, 379574, 379575, 379576, 379577, 379578, 379579, 379580, 381278, 381279, 381280, 381281, 381282, 381283, 381284, 381285, 381286, 381287, 381288, 381289, 381290, 381291, 381292, 381293, 381294, 381295, 381296, 381297, 381298, 381299, 381300, 381301, 381302, 381303, 381304, 381305, 381306, 381307, 381308, 381309, 381310, 381311, 381312, 381313, 381314, 381315, 381316, 381317, 381318 - Umuahia (0531N 0726E, 151 m): **USNM**: 304845 - Wikki (09 46 10 N 10 31 58 E): **HNHM**: 98.42.100, 98.42.101, 98.42.102, 98.42.103, 98.42.104, 98.42.105, 98.42.106, 98.42.107, 98.42.108, 98.42.109, 98.42.110, 98.42.65, 98.42.66, 98.42.67, 98.42.68, 98.42.69, 98.42.70, 98.42.71, 98.42.72, 98.42.73, 98.42.74, 98.42.75, 98.42.76, 98.42.77, 98.42.78, 98.42.79, 98.42.80, 98.42.81, 98.42.82, 98.42.83, 98.42.84, 98.42.85, 98.42.86, 98.42.87, 98.42.88, 98.42.89, 98.42.90, 98.42.91, 98.42.92, 98.42.93, 98.42.94, 98.42.95, 98.42.96, 98.42.97, 98.42.98, 98.42.99 - Zungeru (094846N 060921E, 149 m): **USNM**: 379581, 379582, 379583, 379584, 379585, 379586, 379587, 379588, 379589, 379590, 379591, 379592, 379593, 379594, 379595, 379596, 379597, 379598, 379599, 379600, 379601, 379602, 379603, 379604, 379605, 379606, 379607, 379608, 379609, 379610, 379611, 379612, 379613, 379614, 379615, 379616.

Rwanda:

Unknown locality: **SMF**: 34954, 35792 - Astrida (023550S 294420E, 1733 m): **BMNH**: 1953.681; **MHNG**: 921.043; **RBINS**: 15496; **RMCA**: 79.010-M-0007, 81.012-M-0048 - Bugesera (020844S 300529E, 1432 m): **RMCA**: 26574, 26575 - Butare (023550S 294420E, 1733 m): **RMCA**: 85.006-M-0458, 85.006-M-0459, 85.006-M-0460, 85.006-M-0461, 85.006-M-0462 - Gabiro (01 31 00 S 30 28 00 E, 1400 m): **INPBC**: V3128.01, V3128.02, V3128.03, V3128.04, V3128.05, V3128.06, V3128.07, V3128.08, V3128.09, V3128.10, V3128.11, V3128.12, V3128.13, V3128.14, V3128.15, V3128.16, V3128.17, V3128.18, V3128.19, V3128.20, V3128.21, V3128.22, V3128.23, V3128.24, V3128.25, V3128.26, V3128.27, V3128.28, V3128.29, V3128.30, V3128.31, V3128.32, V3128.33, V3128.34, V3128.35, V3128.36, V3128.37, V3128.38, V3128.39, V3128.40, V3128.41, V3128.42, V3128.43, V3128.44, V3128.45, V3128.46, V3128.47, V3128.48, V3128.49, V3128.50, V3128.51, V3128.52, V3128.53, V3128.54, V3128.55, V3128.56, V3128.57, V3128.58, V3128.59, V3128.60; **RBINS**: 8157, 8158.1, 8158.2, 8158.3, 8158.4, 8158.5, 8158.6, 8158.7, 8158.8; **RMCA**: 78.038-M-0002, 78.038-M-0003, 78.038-M-0004, 78.038-M-0005, 78.038-M-0006, 78.038-M-0007, 78.038-M-0008, 78.038-M-0009, 78.038-M-0010,

78.038-M-0011, 78.038-M-0012, 78.038-M-0013, 78.038-M-0014, 78.038-M-0015, 78.038-M-0016, 78.038-M-0017, 78.038-M-0018, 78.038-M-0019, 78.038-M-0020, 78.038-M-0021, 78.038-M-0022, 78.038-M-0023, 78.038-M-0024, 78.038-M-0025, 78.038-M-0026, 78.038-M-0027, 78.038-M-0028, 78.038-M-0029, 78.038-M-0030, 78.038-M-0031, 78.038-M-0032, 78.038-M-0033, 78.038-M-0034, 78.038-M-0035, 78.038-M-0036, 78.038-M-0037, 78.038-M-0038, 78.038-M-0039, 78.038-M-0040, 78.038-M-0041, 78.038-M-0042, 78.038-M-0043, 78.038-M-0044, 78.038-M-0045, 78.038-M-0046, 78.038-M-0047, 78.038-M-0048, 78.038-M-0049, 78.038-M-0050, 78.038-M-0051, 78.038-M-0052, 78.038-M-0053 - Gafumba (022744S 294945E): **RMCA**: 87.047-M-0022, 87.047-M-0023, 87.047-M-0024, 87.047-M-0025, 87.047-M-0026, 87.047-M-0027, 87.047-M-0028, 87.047-M-0029, 87.047-M-0030, 87.047-M-0031, 87.047-M-0032, 87.047-M-0033, 87.047-M-0034, 87.047-M-0035, 87.047-M-0036, 87.047-M-0037, 87.047-M-0038, 87.047-M-0039, 87.047-M-0040, 87.047-M-0041, 87.047-M-0042, 87.047-M-0043, 87.047-M-0044, 87.047-M-0045, 87.047-M-0046, 87.047-M-0047, 87.047-M-0048, 87.047-M-0049, 87.047-M-0050, 87.047-M-0051, 87.047-M-0052, 87.047-M-0053, 87.047-M-0054, 87.047-M-0055, 87.047-M-0056, 87.047-M-0057, 87.047-M-0058, 87.047-M-0059, 87.047-M-0060, 87.047-M-0061, 87.047-M-0062, 87.047-M-0063, 87.047-M-0064, 87.047-M-0065, 87.047-M-0066, 87.047-M-0067, 87.047-M-0068 - Gahinga (01 24 S 29 38 E): **RBINS**: 15498.1, 15498.2, 15498.3, 15935.1, 15935.2, 15935.3 - Gihinda (01 24 S 30 37 E, 1400 m): **RBINS**: 15497.1, 15497.2, 15497.3, 15497.4 - Kidaho (012212S 294433E, 1944 m): **RMCA**: 87.046-M-0247, 87.046-M-0248, 87.046-M-0249, 87.046-M-0250, 87.046-M-0251, 87.046-M-0252, 87.046-M-0253, 87.046-M-0254, 87.046-M-0255, 87.046-M-0256, 87.046-M-0257, 87.046-M-0258, 87.046-M-0259, 87.046-M-0260, 87.046-M-0261, 87.046-M-0262, 87.046-M-0263, 87.046-M-0264, 87.046-M-0265, 87.046-M-0266, 87.046-M-0267, 87.046-M-0268, 87.046-M-0269, 87.046-M-0270, 87.046-M-0271, 87.046-M-0272, 87.046-M-0273, 87.046-M-0274, 87.046-M-0275, 87.046-M-0276, 87.046-M-0277, 87.046-M-0278, 87.046-M-0279, 87.046-M-0280, 87.046-M-0379, 87.046-M-0511, 87.046-M-0512, 87.046-M-0513 - Kigali (015713S 300338E, 1567 m): **RBINS**: 15929.1, 15929.2, 15929.3, 15929.4, 15929.5, 15929.6, 15929.7, 16007, 16008, 16009, 16010, 16011, 16012, 16013, 16014, 16015, 16016, 16017, 16018, 16019, 16020, 16021, 16022; **RMCA**: 80.055-M-0113, 80.055-M-0114, 80.055-M-0115, 80.055-M-0116, 80.055-M-0117, 80.055-M-0118, 80.055-M-0119, 80.055-M-0120, 80.055-M-0121, 80.055-M-0122, 80.055-M-0123, 80.055-M-0124 - Mabanza (020315S 292500E, 1612 m): **RMCA**: 80.055-M-0125, 80.055-M-0126, 80.055-M-0127, 80.055-M-0128, 80.055-M-0129, 80.055-M-0130, 80.055-M-0131, 80.055-M-0132, 80.055-M-0133, 80.055-M-0134, 80.055-M-0135, 80.055-M-0136, 80.055-M-0137, 80.055-M-0138, 80.055-M-0139, 80.055-M-0140, 80.055-M-0141, 80.055-M-0142, 80.055-M-0143, 80.055-M-0144, 80.055-M-0145, 80.055-M-0146, 80.055-M-0147, 80.055-M-0148, 80.055-M-0149, 80.055-M-0150, 80.055-M-0151, 80.055-M-0152, 80.055-M-0153, 80.055-M-0154, 80.055-M-0155, 80.055-M-0156, 80.055-M-0157, 80.055-M-0158, 80.055-M-0159, 80.055-M-0160, 80.055-M-0161 - Masha (01 35 33 S 29 19 47 E, 2085 m): **RBINS**: 22465 - Nyamata (020945S 300601E): **RMCA**: 82.006-M-0339, 82.006-M-0340, 82.006-M-0341, 82.006-M-0342, 82.006-M-0343, 82.006-M-0344, 82.006-M-0345, 82.006-M-0346, 82.006-M-0347, 82.006-M-0348, 82.006-M-0349, 82.006-M-0350, 82.006-M-0351, 82.006-M-0352, 82.006-M-0353, 82.006-M-0354, 82.006-M-0355, 82.006-M-0356, 82.006-M-0357 - Rubona (021900S 295600E, 1346 m): **RBINS**: 15495 - Rukira (021300S 303500E, 1709 m): **RMCA**: 82.006-M-0358, 82.006-M-0359, 82.006-M-0360, 82.006-M-0361, 82.006-M-0362, 82.006-M-0363, 82.006-M-0364, 82.006-M-0365, 82.006-M-0366, 82.006-M-0367, 82.006-M-0368, 82.006-M-0369, 82.006-M-0370, 82.006-M-0371, 82.006-M-0372, 82.006-M-0373, 82.006-M-0374, 82.006-M-0375, 82.006-M-0376, 82.006-M-0377, 82.006-M-0378, 82.006-M-0379, 82.006-M-0380, 82.006-M-0381, 82.006-M-0382, 82.006-M-0383, 82.006-M-0384, 82.006-M-0385, 82.006-M-0386, 82.006-M-0387, 82.006-M-0388, 82.006-M-0389, 82.006-M-0390, 82.006-M-0391, 82.006-M-0392, 82.006-M-0393, 82.006-M-0394, 82.006-M-0395, 82.006-M-0396, 82.006-M-0397, 82.006-M-0398, 82.006-M-0399, 82.006-M-0400, 82.006-M-0401, 82.006-M-0402, 82.006-M-0403, 82.006-M-0404, 82.006-M-0405, 82.006-M-0406, 82.006-M-0407, 82.006-M-0408, 82.006-M-0409, 82.006-M-0410, 82.006-M-0411, 82.006-M-0412, 82.006-M-0413, 82.006-M-0414, 82.006-M-0415, 82.006-M-0416, 82.006-M-0417, 82.006-M-0418, 82.006-M-0419, 82.006-M-0420, 82.006-M-0421, 82.006-M-0422, 82.006-M-0423, 82.006-M-0424, 82.006-M-0425, 82.006-M-0426, 82.006-M-0427, 82.006-M-0428, 82.006-M-0429, 82.006-M-0430, 82.006-M-0431, 82.006-M-0432, 82.006-M-0433, 82.006-M-0434, 82.006-M-0435, 82.006-M-0436, 82.006-M-0437, 82.006-M-0438 - Rwamagana, NE (01 57 09 S 30 26 16 E, 1528 m): **MHNG**: 921.044.

Senegal:

Unknown locality: **BMNH**: 1919.7.7.370 - Bandafassi dispensarium (12 32 26 N 12 18 28 W): **MNHN**: ZM-MO-2003-730 - Bow (15 35 N 13 06 W): **MNHN**: ZM-MO-1995-627, ZM-MO-1995-628, ZM-MO-1995-629, ZM-MO-1995-630, ZM-MO-1995-631, ZM-MO-1995-632, ZM-MO-1995-633, ZM-MO-1995-634, ZM-MO-1995-635, ZM-MO-1995-636 - Matam (153703N 131949W, 28 m): **MNHN**: ZM-MO-1995-626; **USNM**: 378029, 378030, 378031, 378032, 378033, 378034, 378035, 378036, 378037, 378038, 378039, 378040, 378041, 378042, 378043, 378044, 378045, 378046, 378047, 378048, 378049, 378050, 378051, 378052, 378053, 378054, 378055, 378056, 378057 - Ogo (1533N 1317W, 27 m): **USNM**: 381412, 381413, 381414, 381415, 381416 - Pire Gouveye (15 00 17 N 16 43 19 W, 42 m): **MNHN**: ZM-MO-1995-625, ZM-MO-1995-638 - Podor (16 38 56 N 14 57 39 W, 11 m): **USNM**: 377979, 377980, 377981, 377982, 377983, 377984, 377985, 377986, 377987, 377988, 377989, 377990, 377991, 377992, 377993, 377994, 377995, 377996, 377997, 377998, 377999, 378000, 378001, 378002, 378003, 378004, 378005, 378006, 378007, 378008, 378009, 378010, 378011, 378012, 378013, 378014, 378015, 378016, 378017, 378018, 378019, 378020, 378021, 378022, 378023, 378024, 378025, 378026, 378027, 378028, 381397, 381398, 381399, 381400, 381401, 381402, 381403, 381404, 381405, 381406, 381407, 381408, 381409, 381410, 381411 - Richard Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1960-83, ZM-MO-1984-1362, ZM-MO-1984-1363, ZM-MO-1984-1644 - Sangalkam (14 46 52 N 17 13 40 W, 22 m): **MNHN**: ZM-MO-1995-637 - Sedhiou (124229N 153325W, 33 m): **USNM**: 377970, 377971, 377972, 377973, 377974, 377975, 377976, 377978 - Sedhiou Department (ca. 124229N 153325W): **USNM**: 377977 - Ziguinchor (1235N 161619W, 15 m): **USNM**: 377969.

Sierra Leone:

Unknown locality: **BMNH**: 1950.1954, 1950.1962, 1956.40, 1959.253, 1959.254, 1959.255, 1959.256, 1959.257, 1959.258, 1959.259_2, 1959.260 - Fadugu (0923N 1146W): **USNM**: 462857 - Gola Forest Camp (0737N 1058W): **USNM**: 545604, 545605, 545606, 545607, 545608, 545609, 545610, 545611, 545612 - Lalehun (0811N 1105W, 256 m): **USNM**: 539583 - Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547034, 547035, 547036, 547037, 547038, 547039, 547040 - Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 547041, 547042.

Somalia:

Balad (022100N 452300E, 84 m): **AMNH**: 188285 - Balad, 1 mi S (ca. 0221N 4523E): **AMNH**: 188286 - Libsoma Farm (02 05 N 44 58 E): **BRTC**: 41944 - Mogadisio (020400N 452200E): **AMNH**: 188287.

South Africa:

Unknown locality: **BMNH**: 1973.496_1, 1973.496_2, 1973.496_3, 1973.496_4, 1973.496_5, 1973.496_6, 1975.520, 1992.307, 1992.308 - Anthrax camp (22 25 30 S 31 12 30 E): **KNP**: 139 - Anthrax camp (222530S 311230E): **TM**: 34348, 34349 - Blythedale Beach, Minivillas (29 22 23 S 31 20 57 E, 75 m): **DNSM**: 8598, 8599 - Bobomeni research camp [=Bobomene] (22 25 18 S 31 12 49 E): **TM**: 41998 - Bonamanzi Game Reserve (28 06 S 32 18 E, 63 m): **DNSM**: 3999, 4432 - Cape Vidal (28 04 S 32 32 E): **TM**: 35368, 35370, 35371, 35372, 35373, 35374, 35375, 35376, 35377, 35378, 35379, 35380, 35381, 35382, 35383 - Cape Vidal Nature Reserve, E shores (28 08 39 S 32 32 48 E, 50 m): **DNSM**: 6024 - Chartwell (2558S 2758E): **TM**: 47706 - Crocodile Bridge Rest Camp (2521S 3154E): **TM**: 29986, 29987, 29998, 29999, 30000, 30001, 30002, 30003, 30004, 30005, 30006, 30007 - Drakensig (24 26 00 S 31 01 00 E, 574 m): **TM**: 47704, 47705 - Dukuduku Forest Station (28 23 00 S 32 19 00 E): **TM**: 40353 - Durban International Airport (29 58 01 S 30 56 31 E): **DNSM**: 7538 - Farm Tenbosch 112JU (252235.15S 315521.36E): **TM**: 47735 - Farm Thankerton 175JU (252621.23S 313926.64E): **TM**: 47734 - Fig Tree Camp (22 26 00 S 31 11 00 E): **TM**: 36868 - Gezantombi waterhole (2520S 3152E): **TM**: 34539 - Gwalali Army Camp (2225S 3117E): **TM**: 36880, 36881, 36882 - Hells Gate (28 02 35 S 32 25 45 E, 39 m): **DNSM**: 6289, 6291, 6293, 6297, 6965, 6966, 6967, 6968, 6969, 6970, 6971, 6972, 6973, 6974, 6975, 6976, 6977, 6978, 6979, 6980, 6981, 6982, 6983, 6984, 6985, 6986, 6987, 6988, 6989 - Hells Gate Military Base (28 02 35 S 32 25 45 E, 39 m): **DNSM**: 6990; **HNHM**: 2001.6.2 - Hlabisa (28.18S 31.95E): **KM**: 28119 - Inkwazi Training Centre (27 52 18 S 32 20 38 E, 60 m): **DNSM**: 6332 - Iphiva Camp (28 21 11 S 32 25 50 E, 20 m): **DNSM**: 5954, 5955 - Khayalami Bay (29 25 34 S 30 23 39 E, 663 m): **DNSM**: 7036, 7342 - Komatipoort (25 26 00 S 31 56 E, 137 m): **TM**: 47152, 47153, 47154; **USNM**: 468416 - Kosi Lake, Department of Health camp (2657S 3249E): **TM**: 40453, 40454 - Kruger Gate bridge (24 58 48S 31 29 00 E): **TM**: 39743, 39744, 39745, 39746, 39747, 39748, 39749, 39750, 39751, 39752, 39753, 39754, 39755, 39801, 39802, 39803, 39804, 39805, 39806, 39807, 39808, 39809, 39810, 39811, 39812, 39999, 40001, 40002, 40003, 40004, 40005, 40006, 40007, 40008, 40009, 40010, 40011, 40012, 40013, 40041, 40042, 40043, 40044, 40045, 40046, 40047, 40048, 40049, 40056, 40057, 40058, 40222, 40223, 40224, 40225, 40226, 40227, 40228, 40252, 40253, 40254, 40255, 40256, 40257, 40303, 40304, 40305, 40306, 40307, 40308, 40309, 40310, 40472, 40473, 40474, 40475, 40476, 40477, 40478, 40479, 40480, 40481, 40482, 40483, 40484, 40485, 40486, 40641, 40642, 40643, 40644, 40645, 40646, 40647, 40648, 40682, 40683, 40684, 40685, 40800, 40801, 40802, 40803, 40804, 40805, 40806, 40807, 40808, 40809, 40810, 40811, 40812, 40813 - Kwalala Police Post (22 25 14 S 31 17 55 E): **KNP**: 150 - Lake Sibaya Reserve Station (2722S 3237E): **TM**: 25718, 25719, 25720, 25721, 25722, 25723, 25724, 25725, 25726, 25727, 25728, 25729, 25730, 25731, 25732, 25733, 25734, 25735, 25736, 25737, 25738, 25739 - Letaba Camp, 1 km SE (23 51 43 S 31 34 47 E): **TM**: 39583, 39587 - Letaba Highwater Bridge (23 48 40 S 31 34 56 E): **KNP**: 152, 153, 154, 156; **MNHN**: ZM-2012-17 - Letaba Rest Camp (23 51 16 S 31 34 17 E): **TM**: 39589, 39590, 39591, 39592 - Letaba Restcamp (23 51 16 S 31 34 17 E): **KNP**: 59 - Madlangula (2654S 3252E): **TM**: 33446 - Malelane (2527S 3130E): **TM**: 30016 - Manzengwenya Forest Station (2722S 3237E): **TM**: 45231, 45232, 45233, 45234, 45235, 45236 - Maputa (27.0S 32.75E): **USNM**: 351383, 351384 - Mission Rocks Outpost (28 16 02 S 32 29 30 E): **TM**: 33359, 33360, 33361 - Mkaya Camp (27 23 24 S 31 53 24 E): **DNSM**: 7107, 7108, 7109, 7110 - Mkuze (River Bridge) (27 35 57 S 32 18 07 E, 45 m): **DNSM**: 9551, 9552, 9553 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **FMNH**: 108232 - Mopani (22 36 S 29 51 E, 721 m): **MNHN**: ZM-2012-1, ZM-2012-10, ZM-2012-2, ZM-2012-3, ZM-2012-4, ZM-2012-5, ZM-2012-6, ZM-2012-7, ZM-2012-8, ZM-2012-9 - Mpalane Lodge (27 23 44 S 32 04 22 E, 172 m): **DNSM**: 6173, 7856 - Mpila Trails Store (2819S 3151E): **TM**: 40721 - Nagle Dam Lodge (29 36 S 30 38 E, 365 m): **DNSM**: 8964 - Ndumo Game Reserve (26 52 00 S 32 15 00 E): **DNSM**: 13374, 13378, 13379; **ROM**: 41738, 41739, 41740, 41741 - Ndumu Game Reserve (2652S 3222E): **TM**: 35191, 35192, 35193, 35194, 35195, 35196, 35197, 35198, 35199, 35200, 35202, 35203, 35204, 35205, 35206, 35212, 35221, 35222, 35223, 35224, 35225, 35226, 35227, 35228, 35239 - Ndumu store (2652S 3222E): **TM**: 7143, 7144, 7145, 7146, 7147, 7148, 7149, 7150, 7151, 7152, 7153, 7154 - Newington (2449S 3117E, 487 m): **ROM**: 41714, 41751, 41752, 41753, 41754, 41755, 41756 - Ngome Forest Reserve (27 52 00 S 31 24 45 E): **TM**: 39139, 39140 - Nhlange, Lake (27 00 00 S 32 50 00 E): **WAM**: M34155, M34156, M34157, M34158, M34159, M34160, M34161 - Nooitgedacht Farm (22 56 00 S 29 58 00 E, 614 m): **DNSM**: 13471, 13645 - Nwanedzi Camp, dam 1 km NWN (2427S 3158E): **TM**: 39644 - Nyalazi Forest Reserve (28 09 00 S 32 23 00 E): **KU**: 135027, 135879; **TM**: 42614, 42615 - Olifants Camp, 7 km W (2401S 3139E): **TM**: 39595 - Olifants, 7 km W (2401S 3139E): **AMNH**: 257451, 257452 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 48511, 48512, 48513, 48514, 48541, 48543, 48544, 48601, 48602, 48603 - Phinda Mountain Lodge (27 53 02 S 32 16 58 E, 99 m): **DNSM**: 13167 - Pongola River Bridge, on Jozini - Kosi Road (27 02 13 S 32 15 58 E, 37 m): **DNSM**: 6153, 6154, 6155, 6156, 6157, 6158, 6159, 6160, 6161, 6162, 6163, 6164, 6165, 6166, 6167, 6168, 6169, 6170, 6171, 6172, 6174, 6175, 6176, 7251, 7252, 7253, 7254, 7255, 7256, 7257, 7258, 7259, 7260, 7261, 7262, 7263, 7423, 7424 - Ranshas Ld (ca. 25 20 S 30 20 E): **BRTC**: 20898 - Richards Bay (28 46 31 S 32 03 14 E, 11 m): **DNSM**: 5981 - Satara Rest Camp (24 23 52 S 31 46 42 E): **AMNH**: 257453, 257454, 257455, 257456, 257457, 257458; **TM**: 39659, 39660, 39661, 39662, 39663, 39664, 39665, 39666, 39667, 39668 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **KNP**: 100, 73, 74, 75, 76; **TM**: 30062, 30065, 30066, 36500, 36501, 36502, 36503, 36504, 36505, 36506, 36507, 36508, 42078, 42079, 42080, 42081, 42082, 42083, 42493, 42494, 42495 - Skukuza lab buildings (24 59 S 31 35 E, 240 m): **TM**: 42077 - Skukuza Staff Picnic site (24 59 S 31 36 E): **TM**: 42490, 42491, 42492 - Skukuza staff village (24 59 S 31 35 E, 240 m): **KNP**: 06 - Skukuza Town (24 59 S 31 35 E, 240 m): **TM**: 40209 - Skukuza Village (24 59 S 31 35 E, 240 m): **TM**: 40210, 40211, 40212, 40213, 40214, 40215, 40216, 40258, 40259, 40260, 40261, 40262, 40263, 40264, 40265, 40266, 40267, 40268, 40269, 40270 - Soutpansberg (22 58 48 S 30 15 00 E): **KM**: 31382 - St Lucia Estuary, 8 mi N (28 15 59 S 32 26 00 E): **KU**: 135877, 135878 - St. Lucia (28 23 S 32 25 E, 20 m): **KU**: 135880, 135881; **TM**: 38268 - St. Lucia (28 23 S 32 25 E, 26 m): **DNSM**: 1087, 1096, 1098, 679 - St. Lucia Lake, eastern shores (2816S 3223E): **TM**: 37874 - St. Lucia Village (28 23 S 32 25 E): **TM**: 40435, 40436, 40437 - Tembe Elephant Park, east of HQ, pan (2703.699S 3227.102E, 65 m): **DNSM**: 8502 - Wardens house (27 47 S 32 12 E): **TM**: 35261, 35262, 35263, 35264, 35265, 35271, 35272.

South Sudan:

Dem Zubeir (0743N 2613E, 609 m): **MSU**: MR.33444 - Mbili (0701N 2759E): **MSU**: MR.33501 - Mongalla (051057N 314500E, 466 m): **BMNH**: 1920.6.13.1 - Nyibor, Lake (06 55 N 30 10 E): **AMNH**: 184378, 184379 - Raga (082800N 254100E): **MSU**: MR.33445, MR.33446, MR.33502, MR.33503 - Tonj (0715N 2845E): **ROM**: 72076 - Yambio (0434N 2821E): **ROM**: 72086, 72088.

Sudan:

Unknown locality: **BMNH**: 1915.3.6.87, 1915.3.6.88, 1915.3.6.89_1 - Suki (13 19 N 33 54 E): **SMF**: 32594, 32595, 32596, 32597, 32598 - White Nile (1538N 3231E): **MNHN**: ZM-MO-2003-735, ZM-MO-2003-736.

Swaziland:

Unknown locality: **BMNH**: 1989.48, 1989.49, 1989.50 - Bar Circle Ranches (2641S 3153E): **TM**: 45541 - Hlumi Nature Reserve: **DNSM**: 8503 - Mbutfu Primary School: **TM**: 45702 - Mkhaya Game Reserve (26 37 48 S 31 46 12 E): **DNSM**:

8514 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **TM**: 44892 - Nsoko [=Forbes Ranch] (270200S 315700E): **TM**: 45777, 45780 - Ranches LTD (2602S 3142E): **MCZ**: 37308, 37309; **TM**: 8378, 8379, 8381, 8384, 8385, 8386, 8387, 8388, 8389 - St. Florence Mission (2614S 3126E): **TM**: 45684 - Tshaneni (2559S 3143E, 321 m): **ROM**: 68805, 68807, 68808, 68809, 68810, 68811, 68812, 68813, 68814, 68815, 68816, 68817, 68818, 68819, 68820, 68821, 68822, 68823, 68824, 68825, 68826, 68827, 68834, 68835, 68836, 68837, 68838, 68839, 68840, 68841, 68842, 68843 - Tshaneni lysis Ranch (25 58 S 31 43 E, 302 m): **DNSM**: 5974, 5976.

Tanzania:

Unknown locality: **BMNH**: 1890.6.8.17, 1964.1933, 1964.1934, 1964.1935, 1964.1936, 1964.1937, 1964.1938, 1964.1941, 1964.1943, 1964.1951, 1975.2715, 1975.2715_1, 1975.2715_2, 1975.2715_3, 1975.2717, 1975.2718; **RMNH**: MAM.15930, MAM.16493, MAM.16494, MAM.16498, MAM.16500, MAM.16501, MAM.16502, MAM.16503, MAM.16508, MAM.16509, MAM.16630, MAM.16631, MAM.16632, MAM.16633, MAM.16634, MAM.16635, MAM.16636, MAM.16637, MAM.16638, MAM.16647, MAM.16648, MAM.16809, MAM.16810, MAM.16811, MAM.16812, MAM.16813, MAM.16814, MAM.16815, MAM.16816, MAM.16817, MAM.16818, MAM.18143, MAM.18144, MAM.18145, MAM.18146, MAM.18147, MAM.18148, MAM.18149, MAM.24361, MAM.25755, MAM.25915, MAM.25917, MAM.25919, MAM.25921, MAM.25922, MAM.25923, MAM.8853, MAM.8854, MAM.8856, MAM.8857, MAM.8858, MAM.8859, MAM.8860, MAM.8861, MAM.8862, MAM.8863, MAM.8864, MAM.8865, MAM.8866, MAM.8868, MAM.8870, MAM.8871, MAM.8874, MAM.8877, MAM.8878, MAM.8879, MAN.16812; **SMF**: 70449, 74247, 82546, 82547, 85459 - Bagamoyo (06 26 00 S 38 54 00 E, 0 - 30 m): **RMNH**: MAM.25920, MAM.8855, MAM.8867, MAM.8869, MAM.8873, MAM.8875, MAM.8876, MAM.8880, MAM.8881, MAM.8882 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **ZMB**: T09401 - Bagamoyo (06 26 00 S 38 54 00 E, 30 m): **RMNH**: MAM.25916, MAM.25918 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **MCZ**: 22822; **ZMB**: 53851, 53852 - Gonja Maore (0415S 3803E, 550 m): **FMNH**: 151463 - Karema (ca. 0649S 3026E): **FMNH**: 86614, 86615, 86616, 86617, 86618, 86619, 86620, 86621, 86622, 86623, 86624, 86625, 86626, 86627, 86628, 86629 - Kilwa (08 45 00 S 39 24 00 E, 25 m): **BMNH**: 1951.392 - Kitaya (10 39 S 40 10 E, 45 m): **MCZ**: 38826 (Paratype *Mops angolensis orientis*), 38827 (Paratype *Mops angolensis orientis*), 38828 (Paratype *Mops angolensis orientis*), 38829 (Holotype *Mops angolensis orientis*), 38830 (Paratype *Mops angolensis orientis*), 38831 (Paratype *Mops angolensis orientis*), 38832 (Paratype *Mops angolensis orientis*), 38833 (Paratype *Mops angolensis orientis*), 38834 (Paratype *Mops angolensis orientis*), 38835 (Paratype *Mops angolensis orientis*) - Liwale (09 46 S 37 56 E, 468 m): **BMNH**: 1964.1948, 1964.1949, 1964.1950 - Manyara, Lake (03 35 S 35 50 E): **ROM**: 28166, 28170, 28171, 28172, 28173 - Mbeya region: **SMF**: 85549, 92166 - Mikindani (10 17 S 40 07 E, 17 m): **SMF**: 25757, 27479, 27480, 27481, 27482, 27483, 27484, 27485, 27486, 27487 - Morogoro region: **SMF**: 19466, 89691 - Muansa [=Mwanza] (02 31 S 32 54 E, 1209 m): **MCZ**: 25450, 25451, 25452, 25453 - Mwansomanos: **AMNH**: 55870, 55871, 55872, 55875 - Nachingwea (10 23 S 38 46 E, 380 m): **BRTC**: 22835; **SMF**: 19479 - Nkome (02 52 S 32 12 E, 1135 m): **ROM**: 56456, 56458, 56464 - Nyamboge (02 33 S 32 04 E, 1135 m): **ROM**: 56544, 56549 - Tengeru (03 23 00 S 36 50 00 E, 1250 m): **FMNH**: 86605, 86606, 86607, 86608, 86609, 86610, 86611, 86612 - Ujiji (0454S 2941E): **FMNH**: 42734; **MCZ**: 26708, 26710, 26711, 26712, 26714, 26715, 26716, 26717, 26719, 26720, 26721, 26723 - Uluguru mountains (07 10 S 37 40 E): **YPM**: MAM 002141 - Wembere river (0410S 3411E): **ZMB**: T09623.

The Gambia:

Unknown locality: **BMNH**: 1949.487, 1949.488, 1949.490, 1949.491, 1991.274, 1991.275, 1991.276 - Kudang (13 40 N 15 03 W, 13 m): **USNM**: 377592, 377593, 377594.

Togo:

Unknown locality: **RMCA**: 73.054-M-1767, 73.054-M-1768 - Adina (07 31 00 N 01 01 00 E, 252 m): **RMCA**: 73.054-M-0219, 73.054-M-0220, 73.054-M-0221, 73.054-M-0222, 73.054-M-0223, 73.054-M-0224, 73.054-M-0225, 73.054-M-0226, 73.054-M-0227, 73.054-M-0228, 73.054-M-0229, 73.054-M-0230, 73.054-M-0231, 73.054-M-0232, 73.054-M-0233, 73.054-M-0234, 73.054-M-0235, 73.054-M-0236, 73.054-M-0237, 73.054-M-0238, 73.054-M-1736, 73.054-M-1737, 73.054-M-1738, 73.054-M-1739, 73.054-M-1740, 73.054-M-1741, 73.054-M-1742, 73.054-M-1743, 73.054-M-1744, 73.054-M-1745, 73.054-M-1746, 73.054-M-1747, 73.054-M-1748, 73.054-M-1749, 73.054-M-1750, 73.054-M-1751 - Agou (06 53 00 N 00 44 00 E, 488 m): **RMCA**: 73.013-M-0917, 73.013-M-0918, 73.013-M-0919, 73.013-M-0920, 73.013-M-0921 - Aledjo (09 15 00 N 01 12 00 E, 612 m): **RMCA**: 73.013-M-0835, 73.013-M-0836 - Atakpamé (07 32 00 N 01 08 00 E, 376 m): **MNHN**: ZM-MO-1984-1264, ZM-MO-1984-1265, ZM-MO-1984-1266; **RMCA**: 73.054-M-0218, 73.054-M-1734 - Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0837, 73.013-M-0838, 73.013-M-0839, 73.013-M-0840, 73.013-M-0841, 73.013-M-0842, 73.013-M-0843 - Ebéva (07 31 00 N 01 05 00 E, 212 m): **RMCA**: 73.069-M-0453, 73.069-M-0454 - Evou (07 32 00 N 01 02 00 E, 224 m): **RMCA**: 73.054-M-1764, 73.054-M-1765, 73.054-M-1766 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **RMCA**: 73.054-M-0239, 73.054-M-0240, 73.054-M-1752, 73.054-M-1753, 73.054-M-1754, 73.054-M-1755, 73.054-M-1756, 73.054-M-1757, 73.054-M-1758, 73.054-M-1759, 73.054-M-1760, 73.054-M-1761, 73.054-M-1762, 73.054-M-1763 - Gbatope (06 26 N 01 17 E): **USNM**: 437781, 437782, 437783, 437784, 437785, 437786, 437787, 437788, 437789, 437790, 437791, 437792, 437793, 437794, 437795, 437796, 437797, 437798, 437799, 437800, 437801, 437802, 437803, 437804, 437805, 437806, 437807, 437808, 437809, 437810, 437811, 437812, 437813, 437814, 437815, 437816, 437817, 437818, 437819, 437820, 437821, 437822, 437823, 479637, 479638, 479639, 479640, 479641, 479642, 479643, 479644, 479691, 479692, 479693, 479694, 479695, 479696, 479697 - Maritime province: **SMF**: 45701, 45702, 45703 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0713, 73.011-M-0714, 73.011-M-0715, 73.011-M-0716, 73.011-M-0717, 73.011-M-0718, 73.011-M-0719, 73.011-M-0720, 73.011-M-0721, 73.011-M-0722, 73.011-M-0723, 73.011-M-0724, 73.011-M-0725, 73.011-M-0726, 73.011-M-0727, 73.011-M-0728, 73.011-M-0729, 73.011-M-0730, 73.011-M-0731, 73.011-M-0732, 73.011-M-0733, 73.011-M-0734, 73.011-M-0735, 73.011-M-0736, 73.011-M-0737, 73.011-M-0738 - Niamtougou (09 46 06 N 01 06 19 E, 378 m): **RMCA**: 73.011-M-0711, 73.011-M-0712 - Padori (10 14 00 N 00 26 00 E, 126 m): **USNM**: 437779 - Péwa (09 17 00 N 01 14 00 E, 618 m): **USNM**: 437780 - Tchonou (07 30 00 N 01 15 00 E, 152 m): **RMCA**: 73.054-M-1735 - Togoville (06 12 41 N 01 28 41 E, 63 m): **RMCA**: 73.011-M-0739, 73.011-M-0740, 73.011-M-0741, 73.011-M-0742, 73.011-M-0743, 73.011-M-0744, 73.011-M-0745, 73.011-M-0746, 73.011-M-0747, 73.011-M-0748.

Uganda:

Unknown locality: **BMNH**: 1962.2054, 1962.2055, 1962.2056, 1962.2057, 1964.183, 1964.184, 1964.185, 1964.186, 1964.187, 1964.188, 1964.189, 1964.2075, 1971.1550, 1975.2713, 1975.2721, 1975.2722 - Budongo Forest (014416N 313322E, 4000ft): **AMNH**: 219804, 219805 - Bukulasa (004226N 323048E): **ROM**: 68682 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 59244 - Butiaba (0149N 3120E, 600 m): **ROM**: 46546, 46547, 46548, 46549, 46550, 46551, 46552, 46553, 46554, 46555, 46556, 46557, 46558, 46559, 46560, 46561, 46562, 46563 - E.A.T.R.O. Field Station (0012N 3354E): **CAS**: 24551, 24552, 24553, 24554, 24555, 24556, 24557, 24558 - Entebbe (00 03 52 N 32 26 49 E, 1132 m):

RMCA: 16289, 16290; **ZMB**: T09681 - Entebbe, near (000352N 322649E, 1036 m): **FMNH**: 67939 - Entebbe, near (ca. 0004N 3227E, 3800 ft): **AMNH**: 184420 - Mulanda (004053N 340027E, 1085 m): **CAS**: 24559, 24560, 24561, 24562, 24563, 24564, 24565 - Murchinson Falls (021700N 314100E, 3500 ft): **CAS**: 12002, 12003 - Namagunga, Buganda: **ROM**: 40052, 40053, 40054, 40055, 40056, 40057, 40058, 40059, 40060, 40061 - Tororo, 10 km SSW (0036N 3409E): **ROM**: 60072, 60073, 60074, 60075, 60076, 60077, 60078, 60079, 60081, 60082, 60083, 60084, 60085, 60086, 60087, 60088, 60089, 60091, 60093, 60094, 60095, 60096, 60097, 60098, 60099, 60100, 60101, 60102, 60103, 60104, 60105, 60106, 60107, 60108, 60109, 60110, 60111, 60114, 60115.

Zambia:

Limulunga (15.15S 23.17E): **MMK**: MAM/1023 - Limulunga (150600S 230900E, 1024 m): **AMNH**: 115913, 115914, 115916, 115917, 115918, 115919, 115920, 115921, 115922, 115923, 115924, 115925, 115926, 115927, 115928, 115929, 115930, 115931, 115932, 115933, 115934, 115935, 115936, 115937, 115938, 115939, 115940, 115941, 115942, 115943 - Lochinvar ranch (1550S 2714E): **NHMZ**: 22756 - Luangwa Valley (12.75S 32.08E): **LACM**: 80048 - Mongu (15.15S 23.17E): **KM**: 2510 - Nampongwe (1552S 2714E): **UZMZ**: 472 - Ndanda School (14.75S 23.75E): **NHMZ**: 33053 - North Sumbu Island (1105S 2945E): **FMNH**: 48772 - Samfya (11 21 S 29 33 E, 1154 m): **HNHM**: 76.167.1; **NMZL**: 2879; **ROM**: 73967 - Senenga, 50 km NE (15.62S 23.37E): **NHMZ**: 33058.

Zimbabwe:

Chikwarakwara, Pesu R. Gorge (22.28S 31.2E): **NHMZ**: 84141 - Chipinda Pools (2131Bd): **NHMZ**: 57470, 62454 - Chiredzi (2131Ba): **NHMZ**: 59857 - Gatshe Gatshe Bay (1652S 2852E): **NHMZ**: 31754 - Hippo Valley, Cistrus Estates (21.15S 31.58E): **NHMZ**: 59897 - Humani Ranch (20.25S 32.15E): **NHMZ**: 81185 - Lake Kariba, Gatshe Gatshe Bay (16.87S 28.87E): **NHMZ**: 30722 - Manyima River (1630Ab): **NHMZ**: 30066, 30309, 30310, 30311, 30312, 30313, 30314, 30315, 30316, 30317, 30318, 30319, 30320, 30321, 30322 - Musengezi River Confluence (16 15 S 30 45 E): **NHMZ**: 84404 - Muzarabani Clinic (1630Bd): **NHMZ**: 29742, 29743, 29745, 29746, 29747, 29748, 29749, 29751, 29752, 29753, 29754 - Nyadlre River Camp, Pfungwe (16.75S 32.25E): **NHMZ**: 84292 - Nyanumi River (16 52 30 S 28 37 30 E): **NHMZ**: 58465 - Nyanyana campsite: **TM**: 41874 - Ruya R. (16.5S 31.75E): **NHMZ**: 84346 - Unknown locality (2131Ba): **NHMZ**: 57469.

Mops (Mops) congicus J.A. Allen, 1917

"Africa":

Unknown locality: **CM**: 58682.

Cameroon:

Bertoua, 25 km NE (ca. 0705N 1501E): **AMNH**: 241063 - Lomié (03 10 N 13 34 E, 611 m): **ROM**: 57122 - Sou Mou River (03 15 N 11 24 E): **ROM**: 56184.

Central African Republic:

Bamingui-Bangoran National Park (0755N 2015E, 469 m): **BMNH**: 1981.234.

Congo (Democratic Republic of the):

Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48888, 48889, 48890, 48891, 48892, 48893 (Holotype *Mops congicus*), 48894, 48895, 48896, 48897, 48900, 49213, 49225, 49277, 49285; **FMNH**: 43864; **MCZ**: 17385; **RMCA**: 12380 - Tandala (02 58 00 N 19 21 00 E, 456 m): **MHNG**: 1870.043, 1870.044; **TTU**: 36358; **USNM**: 463516, 463517, 537742, 537743, 537745, 537746 - Tshopo (00 28 00 N 25 33 00 E): **RMCA**: 86.024-M-0006 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537744.

Uganda:

Budongo (013839N 313554E): **AMS**: M.29819 - Budongo Forest (01 44 16 N 31 33 22 E, 4000 ft): **ROM**: 38378, 38379, 46659, 46660, 46661, 46662, 46663, 46664, 46665, 46666, 46667, 46668, 46688, 46689, 46690, 46691, 46692, 46714, 46715, 46716, 46717, 46723, 46724, 59222, 59223, 59224, 59226 - Masindi (0141N 3145E, 1200 m): **ROM**: 49122, 49123, 49136 - Masindi district: **SMF**: 38535.

Mops (Mops) demonstrator (Thomas, 1903)

Burkina Faso:

Park National de Pô (1120N 0110W): **ROM**: 79851, 79852 - Piyiri, 7 km N: **ROM**: 79850 - Red Volta River (ca. 112000N 011000W): **AMNH**: 237392.

Congo (Democratic Republic of the):

Bagunda (04 04 00 N 29 35 00 E, 990 m): **RBINS**: 13806.1, 13806.2, 13806.3, 13806.4 - Cel II (ca. 03 55 00 N 29 22 00 E): **INPBC**: 3514, 4735; **RBINS**: 13800, 13801, 13804.1, 13804.2, 13805, 13808.1, 13809, 13811.1, 13811.2, 13811.3, 13811.4, 13811.5, 13813, 15805; **RMCA**: 36932, 36933, 36934, 36935 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 48910, 49222 (Holotype *Mops (Allomops) faradjius*) - Garamba National Park (04 10 00 N 29 30 00 E): **RBINS**: 13812 - Keyberg (11 43 00 S 27 25 00 E): **RMCA**: 26218, 26219, 26222, 26223, 26228 - Parc National de Garamba (04 10 N 29 30 E): **RBINS**: 13807, 13810, 13824, 13825 - PFNK.16 (04 25 N 29 47 E): **RMCA**: 36931.

Côte d'Ivoire:

Unknown locality: **SMF**: 92045, 92046, 92072.

Ghana:

Kwabenya (05 41 18 N 00 14 43 W, 88 m): **BMNH**: 1981.218_1 - Sakpa (08 52 N 02 21 W, 255 m): **USNM**: 420088.

Kenya:

Kisumu (0006S 3445E): **ROM**: 63965, 63971, 63972.

Malawi:

Sucoma (16 14 00 S 34 53 00 E): **WAM**: M25719.

Rwanda:

Musha (023140S 295154E): **RMCA**: 37983.

South Sudan:

Magwe (040817N 321701E, 858 m): **FMNH**: 79612, 79613, 79614, 79615 - Mongalla: **BMNH**: 1902.7.4.3 (Holotype *Nyctinomus demonstrator*) - Nyibor, Lake (06 55 N 30 10 E): **AMNH**: 184424, 184425, 184426, 184427, 184428, 184429, 184430, 184431, 184432, 184433, 184434, 184435, 184436 - Torit (0427N 3231E, 610 m): **FMNH**: 66678, 67511, 68118, 68119, 68120, 68121, 68165, 68166, 68167, 68168, 77649, 77650, 77651, 77652, 78240, 79568, 79570, 79571,

79573, 79576, 79608, 79609, 79610, 79616, 79617, 79618 - Torit district (ca. 042448N 323404E): **USNM**: 368922 - Yirol District (ca. 0633N 3030E, 3000 ft): **AMNH**: 184421, 184422, 184423.

Sudan:

Unknown locality: **BMNH**: 1908.4.2.5, 1913.3.6.87, 1915.3.6.89_2 - Aradeiba (114100N 342100E): **MCZ**: 14458 - Bunzuga (12 31 N 34 09 E, 440 m): **SMF**: 32568 - El Garef (1203N 3419E): **MCZ**: 14456, 14457 - Wad Medani (14 24 N 33 32 E, 414 m): **FMNH**: 85454.

Uganda:

Budongo (013839N 313554E): **AMS**: M.29827 - Gulu (024600N 321820E, 1077 m): **BMNH**: 1966.4137 - Moyo, 10 mi [=16 km] E (03 39 N 31 43 E, 750 -1067 m): **ROM**: 59142 - Tororo, 10 km SSW (0036N 3409E): **ROM**: 60080, 60090, 60092 - Waisoke river (0146N 3133E, 1219 m): **ROM**: 46568, 46569.

Mops (Mops) leucostigma (G.M. Allen, 1918)

Comoros:

Chirove primary school (1216S 4424E, 5 m): **FMNH**: 194386, 194387 - Fomboni Primary School (121648S 434433E, 5 m): **FMNH**: 194499, 194500, 194501, 194502, 194503, 194504, 194505, 194506, 194507, 194508 - Itsamia (122151S 435204E, 30 m): **FMNH**: 194522, 194523, 194524, 194525, 194526, 194527, 194528, 194529 - Itsamia (122151S 435204E, 5 m): **FMNH**: 194520, 194521 - Ndrondroni (122034S 434056E, 10 m): **FMNH**: 194536 - Ouallah II Public Primary School (1221S 4340E, 35 m): **FMNH**: 194509, 194510, 194511, 194512, 194513, 194514, 194515, 194516, 194517, 194518, 194519, 194534, 194535.

Madagascar:

Unknown locality: **FMNH**: 218114, 218128; **UADBA**: 31731, 31736, 31838, 43204, 43230, 43231, 43232, 43234, 43282, 43295, 43383, 43451, 43452, 50225, 50231, 50233, 50251, 50253, 50255 - Ambatondrazaka (1750S 4825E, 847 m): **MCZ**: 45360, 45361, 45362, 45363, 45364, 45365, 45366, 45367, 45368, 45369, 45370, 45371, 45372, 45373, 45374, 45375, 45376, 45377, 45378, 45379, 45380, 45381, 45382, 45383, 45644, 45645, 45646 - Ambila-Lemaitso (1850S 4909E, 9 m): **ROM**: 42439, 42440, 42441 - Ambondramamy (16 26 10 S 47 09 22 E): **FMNH**: 184701 - Ampitabe (185100S 481500E, 913 m): **FMNH**: 188009 - Analamazaotra forest, Périnet (185600S 482500E, 800 - 991 m): **YPM**: MAM 005905 - Antanandava (19 55 47 S 44 36 21 E, 30 m): **FMNH**: 218112, 218113, 218115 - Antanarivo [= Tananarive] (1855S 4731E): **MCZ**: 16344 (Holotype *Chaerephon leucostigma*), 16345 (Paratype *Chaerephon leucostigma*) - Béroboka (19 59 S 44 36 E, 43 m): **MNHN**: ZM-MO-1985-400, ZM-MO-1985-401, ZM-MO-1985-402, ZM-MO-1985-403, ZM-MO-1985-404 - Hellville (1324S 4916E, 0 m): **USNM**: 341779 - Junok (1848S 4840E): **ROM**: 42135, 42136, 42137, 42138, 42139, 42140, 42141, 42142, 42143, 42144, 42145, 42146, 42147, 42148, 42149, 42150, 42151, 42334, 42335, 42336, 42337, 42338, 42339, 42340, 42362, 42363, 42364, 42365, 42366, 42367, 42368, 42369, 42370, 42371, 42387, 42388, 42389, 42390, 42391, 42392, 42393, 42394, 42395, 42396, 42400, 42401, 42402, 42403, 42404, 42405, 42406 - Junok (1848S 4840E, 975 m): **ROM**: 42407, 42408, 42409, 42410, 42411, 42412, 42414, 42415, 42416, 42417, 42418, 42419, 42420, 42421, 42422, 42423, 42424, 42425, 42426, 42427, 42428, 42429, 42430 - Lac Alaotra, near (ca. 17 27 55 S 48 31 30 E): **ZMA**: MAM.05657 - Mahajanga (15 43 S 46 19 E): **FMNH**: 184698 - Mahajanga province: **SMF**: 82218, 82219 - Marofandilia (20 04 03 S 44 39 29 E): **UADBA**: 50229, 50230, 50235, 50236, 50237, 50238, 50239, 50240 - Tamatave (18 10 00 S 49 23 00 E, 22 m): **ZMA**: MAM.16834 - Tampina (183000S 491600E, 25 m): **AMNH**: 170625, 170626, 170627, 170628, 170629, 170630, 170631, 170632, 170633, 170634, 170635, 170636, 170637, 170638, 170639, 170640 - Toliara province: **FMNH**: 176041 - Tsimafana (19 43 25 S 44 35 04 E): **FMNH**: 218122, 218123, 218124, 218125, 218126; **UADBA**: 50247, 50248, 50249, 50250.

Mops (Mops) midas (Sundevall, 1843)

"Africa":

Unknown locality: **BMNH**: 1952.1452, 1952.1453; **CM**: 98564; **USNM**: 577179.

Botswana:

Dautsa Flats (20.58S 22.53E): **USNM**: 382694 - Kwebe Hills, 18 mi [=26 km] NW (20.27S 22.87E): **USNM**: 382693 - Kwebe Hills, 26 km NW (20.17S 22.87E): **NHMZ**: 63810 - Maun (19 59 S 23 25 E, 927 m): **FMNH**: 153008, 153009; **ROM**: 65008, 65009, 65010, 65011, 65012, 65013, 65014, 65015, 65016, 65017, 65018, 65019, 65020, 65021, 65022, 65023, 65024, 65025, 65026, 65027, 65028, 65029, 65030, 65031, 65032, 65033, 65034, 65035, 65036, 65037, 65038, 65039, 65040, 65041, 65042, 65043; **SMF**: 45024; **USNM**: 425370, 425371, 575925, 575926, 575927, 575928 - Maun, 12 km NE (19.87S 23.12E): **NHMZ**: 62428 - Savuti R (18.62S 24.12E): **NHMZ**: 63809 - Xugana, 13 mi [=17 km] N (1857S 2253E, 975 m): **USNM**: 518735, 518736.

Burkina Faso:

Nobéré, 1 km S (1126N 0110W): **USNM**: 503956.

Cameroon:

Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0764, 73.015-M-0765, 73.015-M-0766.

Congo (Democratic Republic of the):

Bagunda (04 04 00 N 29 35 00 E, 990 m): **RBINS**: 13815.1, 13815.2, 13815.3 - Bwamanda (mission) (03 10 06 N 19 14 45 E, 508 m): **RMCA**: 30949, 30950 - Cel II (ca. 03 55 00 N 29 22 00 E): **INPBC**: 5159.4.1, 5159.4.2, 5159.4.3; **RBINS**: 13814.1, 13814.2, 13819, 13820.1, 13820.2, 13821.1, 13821.2, 13822.1, 13822.2; **RMCA**: 36924, 36925, 36926, 36927, 36928, 36929, 36930 - Kamohorora (00 40 S 29 33 E): **INPBC**: V183.1, V183.2, V183.3 - Mwiga (00 40 S 29 27 E): **INPBC**: V500.1, V500.2, V500.3 - Ndelele (04 22 00 N 29 47 00 E, 900 m): **RBINS**: 13816.1, 13816.2, 13816.3, 13816.4, 13817.1, 13817.2, 13818.1, 13818.2, 13818.3; **RMCA**: 36915, 36916, 36917, 36918, 36919, 36920, 36921, 36922, 36923 - Nord Kivu province: **RMCA**: 36198 - Parc National de Garamba (04 10 N 29 30 E): **RBINS**: 13823 - Uvira (032424S 290845E, 746 m): **MCZ**: 48197, 48198, 48199; **RMCA**: 22911, 27214, 33530, 35694, 38152; **USNM**: 301727, 301728.

Ethiopia:

Bermil (12 23 N 35 44 E, 562 m): **ZMMU**: S-189546.

Kenya:

Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 153010, 153011.

Madagascar:

Unknown locality: **UADBA**: 31728, 43549, 43778, 50260, 50265 - Ambovombe (2510S 4605E): **USNM**: 577189, 577190, 577191, 577192, 577193, 577194, 577195, 577196, 577197, 577198, 577199, 577200, 577201, 577202, 577203, 577204, 577205, 577206, 577207, 577208, 577209, 577210, 577211, 577212, 577213, 577214 - Ambovombe (2510S 4605E, 135 m): **USNM**: 577362, 577363, 577364, 577365, 577366, 577367, 577368 - Ankazomborona (16 06 59 S 46 45 14 E): **FMNH**: 185187 - Antanimbary: **FMNH**: 185120 - Miari [probably Miary, near Tuléar]: **MNHN**: 29 (Holotype *Nyctinomus Miarensis*) - Sakaraha (22 54 S 44 32 E, 468 m): **FMNH**: 218092, 218093; **UADBA**: 50257, 50258, 50259, 50261, 50262 - Sakaraha (2254S 4432E, 468 m): **FMNH**: 184306 - unspecified locality: **FMNH**: 146757, 151944, 177379.

Malawi:

Chileka (15 41 S 34 56 E, 777 m): **ROM**: 35794 - Chileka (15.65S 34.92E): **MCZ**: 51463 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.12.17.89, 1922.12.17.90, 1922.12.17.91, 1922.12.17.92; **KU**: 79319.

Namibia:

Dumushe water: **TM**: 36513, 36514, 36515, 36516, 36517, 36518 - Eiseb R (20.63S 20.63E): **SMW**: 12352 - Etosha NP, Okaukuejo (19.13S 15.88E): **SMW**: 8115 - Gaucha (19.78S 20.58E): **USNM**: 295195 - Oakwengaga (22 40 S 14 50 E): **RMCA**: 95.093-M-0012 - Omuramba Khaundum, S Fork near junction with N Fork: **LACM**: 58977 - Tsumkwe (19.63S 20.63E): **SMW**: 2722.

Niger:

Zinder (13 48 N 08 59 00E, 479 m): **RMCA**: 73.065-M-0001.

Nigeria:

Maiduguri (11 50 42 N 13 09 36 E, 294 m): **BMNH**: 1950.174, 1950.175, 1950.176, 1950.177, 1950.178, 1950.179, 1950.180, 1950.181.

Senegal:

Unknown locality: **BMNH**: 1919.7.7.3844 - Richard Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1960-84 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1995-1828.

South Africa:

Berg-en-Dal (25 44 38 S 030 05 38 E, 1810 m): **DNSM**: 9874 - Drakensig (24 26 00 S 31 01 00 E, 574 m): **DNSM**: 8412, 8413, 8414, 8415, 8416 - Farm Regina 68 [=V.L.N.R.] (222248S 291612E): **TM**: 45395, 45396, 45397, 45398, 45399, 45400, 45401, 45402, 45403, 45404, 45405, 45406, 45407, 45408, 45409, 45410, 45411, 45412, 45413, 45414 - Farm Scrutton 23MT (222100S 302100E, 1450 ft): **TM**: 20331, 20332, 20333, 20334, 20335, 20336 - Figtree camp (222550S 311150E): **TM**: 36613 - Gwalali Army camp (2224S 3117E): **TM**: 36873, 36874, 36875, 36876, 36877, 36885, 36886, 36978, 38277, 38844, 38845, 38848, 38849 - Klaserie Private Nature Reserve (2414S 3113E): **TM**: 45507 - Kwalala Police Post (22 25 14 S 31 17 55 E): **KNP**: 151 - Langjan Provincial Nature Reserve (224948S 291200E): **TM**: 41302 - Letaba Highwater Bridge (23 48 40 S 31 34 56 E): **KNP**: 155 - Louis Trichardt (23 02 38 S 29 54 12 E, 999 m): **DNSM**: 13515, 13578, 13625 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 39500 - Phalaborwa Staff Village (23 56 18 S 31 09 44 E): **KNP**: 114, 115 - Picnic site (2225S 3115E): **TM**: 41729 - Punda Milia Camp (22 41 51 S 31 01 12 E, 580 m): **TM**: 30582, 30583 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **KNP**: 99 - Tshipise, 1 mi NE (ca. 2236S 3010E): **USNM**: 384306, 384307, 384308, 384309, 384310, 384771, 384772, 384776, 384777 - Tshipise, 2 km NE (22.6S 30.2E): **USNM**: 384305.

South Sudan:

Amol Tonyi area (ca. 085827N 282824E): **ROM**: 68215 - Fashoda, near (095300N 320700E, 271 m): **BMNH**: 1901.10.1.9.

Sudan:

Unknown locality: **BMNH**: 1966.5673 - Dilling (12 02 N 29 40 E): **ROM**: 77201, 77202 - Fazogli (1120N 3445E): **MCZ**: 14455 - Jebel Aulia (15 14 28 N 32 29 59 E, 384 m): **ROM**: 84905, 84906, 84907, 84908, 84909, 84910, 84911, 84912, 84913, 84914, 84915, 84916, 84918, 84919, 84920, 84921, 84922, 84923, 84924, 84925, 84926, 84927, 84928, 84929, 84930, 84931, 84932, 84933, 86726 - Jebel el Funj (ca. 1145N 3330E): **BMNH**: 1846.6.2.20 (Syntype *Dysopes midas*) - Khartoum (15 35 17 N 32 32 03 E, 377 m): **FMNH**: 81547, 81548, 81550, 81551, 81552, 81553; **ROM**: 77224 - Khartoum state: **SMF**: 78116 - Khartoum, University Campus (15 29 50.57 N 32 33 28.58 E, 384m): **SMF**: 78166 - Sennar (13 33 N 33 38 E, 390 m): **ZMB**: 535 - Wad Medani (14 24 N 33 32 E, 414 m): **BMNH**: 1948.327.

Uganda:

Budongo Forest (014416N 313322E, 4000ft): **AMNH**: 219834, 219835, 219836, 219837, 219838, 219839, 219840, 219841, 219842, 219843, 219844, 219845, 219846, 219847, 219848, 219849, 219850, 219851, 219852, 219853, 219854, 219855, 219856, 219857, 219858, 219859.

Zambia:

Lochinvar (15 55 S 27 15 E): **NMZL**: 2873, 2874, 2875 - Luangwa River, base camp (1245S 3204E): **LACM**: 70051, 70052, 70053, 70054, 70055, 70056, 70057, 70058, 70059, 70060, 70061, 70062, 70063, 70064, 70065, 70066, 70067, 70068 - Senenga, 50km NE (15.62S 23.37E): **NHMZ**: 33084.

Zimbabwe:

Unknown locality: **BMNH**: 1961.1088 - Ada Estates (1631Ac): **NHMZ**: 29760, 29767, 29769, 29770 - Bubye R, Chikwarakwara (22.35S 31.1E): **NHMZ**: 59840 - Chikwarakwara (22.35S 31.1E): **NHMZ**: 33441, 59864 - Chikwarakwara (2218S 3106E): **NHMZ**: 59871, 59872, 59873, 59874, 59875, 59876, 59877, 59878, 59879, 59880, 59881, 59882, 59883 - Maiugwe Pan (21.62S 31.87E): **HZM**: 1.4517 - Musengezi River Confluence (16 15 S 30 45 E): **NHMZ**: 84400 - Muzarabani Clinic (1630Bd): **NHMZ**: 29733, 29737, 29738, 29739, 29740, 29741 - Nyamandhlovu (1928Cc): **NHMZ**: 31346, 31522, 31523, 31524, 31525, 31526, 31527, 31528 - Sentinal Ranch (221010S 293020E): **NHMZ**: 30860 - Shashe (2229Ab): **NHMZ**: 59303 - St James Mission, Nyamandlovu (19.75S 28.0E): **NHMZ**: 34005.

Mops (Mops) midas miarensis (A. Grandidier, 1869)

Madagascar:

Amboasary: **AMNH**: 170624 - Miari [probably Miary, near Tuléar]: **MNHN**: ZM-MO-1997-1851 (Holotype *Nyctinomus Miarensis*) - Tranoroa (2442S 4504E, 223 m): **MCZ**: 45579 - Tsimilofo (2458S 4510E, 210 m): **MCZ**: 45578, 45580, 45581.

Mops (Mops) midas midas (Sundevall, 1843)

Botswana:
Maun (19 59 S 23 25 E, 927 m): **AMNH**: 218979, 218980, 218981, 218982, 218983, 218984.
Burkina Faso:
Piyiri, 7 km N: **ROM**: 79849.
Congo (Democratic Republic of the):
Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49254, 49255, 49256, 49257, 49262, 49272.
South Sudan:
Nyibor, Lake (06 55 N 30 10 E): **AMNH**: 184388, 184389, 184390, 184391, 184392, 184393.
Zambia:
Limulunga (150600S 230900E, 1024 m): **AMNH**: 115912, 115915.

Mops (Mops) niangarae J.A. Allen, 1917

Congo (Democratic Republic of the):
Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 48901.

Mops (Mops) niveiventer Cabrera and Ruxton, 1926

Angola:
Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 85525, 88116 (Holotype *Mops chitauensis*) - Cuango (09.13S 18.13E): **IICA**: 5411.
Burundi:
Kayanza (025520S 293720E, 1957 m): **SMF**: 57555, 57556, 57557, 57558 - Rutana (035509S 295937E, 1810 m): **SMF**: 57554.
Cameroon:
Mizao (10 35 58.8 N 14 18 44.4 E, 403 m): **LZUM**: BFEM 111 .
Congo (Democratic Republic of the):
Elisabethville (114000S 272600E, 1209 m): **SMF**: 16867, 16876 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **MHNG**: 1046.029 - Jadoville (10 58 53 S 26 44 00 E, 1318 m): **SMF**: 18942, 18943 - Kapolowe (11 02 00 S 26 57 00 E, 1135 m): **RMCA**: 22438, 22439 - Keyberg (11 43 00 S 27 25 00 E): **MHNG**: 923.001, 923.002, 923.003, 923.004, 923.005, 923.006, 923.007 - Kikole-Pecheur: **SMF**: 58073 - Kimbinga market (05 08 00 S 19 03 00 E, 585 m): **MSB**: 274601, 274602; **RMCA**: 97.021-M-0823 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.7.6.104, 1926.7.6.106 - Matamba (05 56 57 S 22 15 56 E, 619 m): **RMCA**: 84.035-M-0014, 84.035-M-0016, 84.035-M-0017, 84.035-M-0018, 84.035-M-0020, 84.035-M-0021 - Mikalaya (06 01 00 S 22 19 00 E, 608 m): **RMCA**: 84.035-M-0022 - Mikalaya mission (06 01 00 S 22 19 00 E): **RMCA**: 84.035-M-0015, 84.035-M-0019 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **BMNH**: 1926.7.6.109 (Holotype *Mops angolensis niveiventer*).
Mozambique:
Vila Coutinho (14.73S 34.37E): **USNM**: 365468 - Vila Coutinho (144404S 342222E, 1223 m): **USNM**: 365469.
Rwanda:
Astrida (023550S 294420E, 1733 m): **RMCA**: 18643, 18991, 20489, 23171, 31045, 31046, 31060, 31062, 31069, 31070 - Butare (023550S 294420E, 1733 m): **RMCA**: 85.006-M-0206, 87.047-M-0009, 87.047-M-0010 - Butare INRS (023550S 294420E, 1733 m): **RMCA**: 82.006-M-0439, 82.006-M-0440, 82.006-M-0441, 82.006-M-0442, 82.006-M-0443, 82.006-M-0444, 82.006-M-0445, 82.006-M-0446, 82.006-M-0447, 82.006-M-0448, 82.006-M-0449, 82.006-M-0450, 82.006-M-0451, 82.006-M-0452, 82.006-M-0453, 82.006-M-0454, 82.006-M-0455, 82.006-M-0456, 82.006-M-0457, 82.006-M-0458, 82.006-M-0459, 82.006-M-0460, 82.006-M-0461 - Cyili (020300S 294600E): **RMCA**: 85.006-M-0159, 85.006-M-0160, 85.006-M-0161, 85.006-M-0162, 85.006-M-0163, 85.006-M-0164, 85.006-M-0165, 85.006-M-0166, 85.006-M-0167, 85.006-M-0168, 85.006-M-0169, 85.006-M-0170, 85.006-M-0171, 85.006-M-0172, 85.006-M-0173, 85.006-M-0174, 85.006-M-0175, 85.006-M-0176, 85.006-M-0177, 85.006-M-0178, 85.006-M-0179, 85.006-M-0180, 85.006-M-0181, 85.006-M-0182, 85.006-M-0183, 85.006-M-0184, 85.006-M-0185, 85.006-M-0186, 85.006-M-0187, 85.006-M-0188, 85.006-M-0189, 85.006-M-0190, 85.006-M-0191, 85.006-M-0192, 85.006-M-0193, 85.006-M-0194, 85.006-M-0195, 87.047-M-0011, 87.047-M-0012, 87.047-M-0013, 87.047-M-0014, 87.047-M-0015, 87.047-M-0016, 87.047-M-0017, 87.047-M-0018, 87.047-M-0019, 87.047-M-0020, 87.047-M-0021 - Gafumba (022744S 294945E): **RMCA**: 85.006-M-0205, 87.047-M-0006, 87.047-M-0007, 87.047-M-0008 - Mugogwe (023032S 294837E): **RMCA**: 87.047-M-0002, 87.047-M-0003, 87.047-M-0004, 87.047-M-0005 - Nyamata (020945S 300601E): **RMCA**: 82.006-M-0462 - Rubona (021900S 295600E, 1346 m): **RMCA**: 85.006-M-0196, 85.006-M-0197, 85.006-M-0198, 85.006-M-0199, 85.006-M-0200, 85.006-M-0201, 85.006-M-0202, 85.006-M-0203, 85.006-M-0204 - Rukira (021300S 303500E, 1709 m): **RMCA**: 82.006-M-0463.
Zambia:
Baiovale [= Zambezi] (13.55S 23.12E): **BMNH**: 1937.1.4.13 - Chingola, Mushishima Farm (12.62S 27.87E): **NHMZ**: 30303 - Chipanga, Chipata (13.12S 32.87E): **FMNH**: 96272, 96273 - Fort Jameson (1338S 3239E): **NHMZ**: 20045, 20148, 20151 - Fort Jameson [= Chipata] (13.62S 32.65E): **KM**: 2504; **NHMZ**: 4072 - Kabompo district (1315S 2410E): **ROM**: 78743 - Kalichero (1330S 3227E): **NHMZ**: 20031, 20032, 20033, 22858 - Lochinvar (15 55 S 27 15 E): **NMZL**: 2880 - Lochinvar NP (15.88S 27.38E): **MCZ**: 52741, 52742 - Luanshya (13.13S 28.42E): **BMNH**: 168171 - Luanshya (130800S 282400E, 1228 m): **AMNH**: 168171 - Luanshya, 6 mi S (1328Ab): **HNHM**: 76.166.1; **HZM**: 29.2290, 30.2291, 31.2292, 33.2294 - Missale Customs Post (1404S 3300E): **NHMZ**: 20110 - Muozi [= Mwoji] R (12.38S 24.38E): **BMNH**: 1955.1091 - Mwinilunga (1121S 2415E, 4700 ft): **AMNH**: 89179 - Ndanda School (14.75S 23.75E): **NHMZ**: 33075 - Sakeji Mavunda (11.12S 24.37E): **NHMZ**: 30302 - Senenga, 50 km NE (15.62S 23.37E): **NHMZ**: 33057 - Solwezi (12.18S 26.42E): **KM**: 17200 - Solwezi (1211S 2624E): **HZM**: 40.2306, 43.2310, 44.2311, 45.2312; **NHMZ**: 2493, 3209, 3212, 3213.
Zimbabwe:
Unknown locality: **BMNH**: 1937.1.4.12, 1937.1.4.14, 1937.1.4.15, 1937.1.4.16, 1937.1.4.17, 1937.1.4.18, 1937.1.4.19, 1937.1.4.20, 1937.1.4.21, 1949.73, 1949.74, 1949.75, 1950.659, 1950.860, 1950.861, 1952.1526, 1952.1527, 1952.1528, 1952.1529, 1952.1530, 1955.1088, 1955.1089, 1955.1090, 1955.1092, 1955.1093, 1955.1094.

Mops (Mops) trevori J.A. Allen, 1917

Congo (Democratic Republic of the):
Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49250.
Côte d'Ivoire:
Unknown locality: **SMF**: 92047.
Ghana:
Pampramase (06 40 N 02 55 W): **BMNH**: 1971.877.
Nigeria:
Agege (06 37 19 N 03 19 33 E, 41 m): **ZMA**: MAM.18389, MAM.19024.
South Sudan:
Nzara (04 38 36 N 28 15 11 E, 595 m): **BMNH**: 1977.626, 1977.626_01, 1977.626_02, 1977.626_03, 1977.626_04, 1977.626_05, 1977.626_06, 1977.626_07, 1977.626_08, 1977.626_09, 1977.626_10, 1977.626_11, 1977.626_12, 1977.626_13, 1977.626_14, 1977.626_15, 1977.626_16, 1977.626_17, 1977.626_18, 1977.626_19, 1977.626_20, 1977.626_21, 1977.626_22, 1977.626_23, 1977.626_24, 1977.626_25, 1977.626_26, 1977.626_27, 1977.626_28, 1977.626_29, 1977.626_30, 1977.626_31, 1977.626_32, 1977.626_33, 1977.626_34, 1977.626_35, 1977.627, 1977.628, 1977.629, 1977.630, 1977.631, 1977.632, 1977.633, 1977.634, 1977.635, 1977.636, 1977.637, 1977.638, 1977.639, 1977.640, 1977.641, 1977.642, 1977.643, 1977.644, 1977.645, 1977.646, 1977.647, 1977.648, 1977.649, 1977.650, 1977.651, 1977.652, 1977.653, 1977.654, 1977.655, 1977.656, 1977.657, 1977.658, 1977.659, 1977.660 - Yambio (0434N 2821E): **ROM**: 72085.
Uganda:
Unknown locality: **BMNH**: 1975.2712 - 25 km NW Masindi (014028N 314254E, 1060 m): **LACM**: 27480, 27481, 27482, 27483; **ROM**: 59225 - Bussu (00 02 N 32 05 E): **BMNH**: 1923.4.12.26; **RMCA**: 31152 - Metu Rest Camp (03 39 13 N 31 48 05 E, 1043 m): **BMNH**: 1964.190, 1964.191, 1964.192, 1964.193, 1964.194, 1964.195, 1964.196, 1964.197, 1964.198; **ROM**: 36489, 36490 - Waisoke river (0146N 3133E, 1200 m): **ROM**: 46570 - West Madi (03 30 N 31 35 E): **BMNH**: 1963.1154.

Mops (Xiphonycteris) bakarii Stanley, 2009

Tanzania:
Kipangani village (0458S 3943E, 12 m): **FMNH**: 192824, 192825 (Paratype *Mops bakarii*), 192826 (Paratype *Mops bakarii*), 192827 (Paratype *Mops bakarii*), 192828 (Paratype *Mops bakarii*), 192829 (Paratype *Mops bakarii*), 192830 (Paratype *Mops bakarii*), 192831 (Paratype *Mops bakarii*), 192832 (Paratype *Mops bakarii*), 192833 (Paratype *Mops bakarii*), 192834 (Paratype *Mops bakarii*), 192835 (Paratype *Mops bakarii*), 192836 (Paratype *Mops bakarii*), 192894 (Paratype *Mops bakarii*), 192895 (Holotype *Mops bakarii*), 192896 (Paratype *Mops bakarii*), 192897 (Paratype *Mops bakarii*), 192898 (Paratype *Mops bakarii*), 192899 (Paratype *Mops bakarii*), 192900 (Paratype *Mops bakarii*), 192901 (Paratype *Mops bakarii*).

Mops (Xiphonycteris) brachypterus (Peters, 1852)

"Africa":
Congo: **BMNH**: 1962.1855, 1962.1856, 1962.1857, 1963.1170, 1963.1171.
Benin:
Kétou (0722N 0236E, 112 m): **USNM**: 575728 - Porga (1102N 0058E): **USNM**: 575725, 575726, 575727.
Burkina Faso:
Pétoye (14 35 00 N 00 22 00 W, 303 m): **RMCA**: 97.077-M-3169, 97.077-M-3170.
Cameroon:
Unknown locality: **BMNH**: 1892.10.6.3, 1950.1479 - Bitye (03 01 00 N 12 22 00 E, 616 m): **BMNH**: 1909.10.2.4; **RMCA**: 1478 - Bitye (0313N 1222E): **ZMB**: 33460 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **MCZ**: 14639 - Kumba region (0439N 0925E): **ROM**: 51485 - Lolodorf (0316N 1050E): **MCZ**: 37735 - Mbalmayo, probably near (ca. 03 31 00 N 11 30 00 E): **MCZ**: 14852 - Nanga-Eboko, 30 km E (044100N 122200E, 631 m): **AMNH**: 241112, 241113 - Njombo River (0339N 1158E, 450 m): **ROM**: 57076 - Obala, 82 km NE (0446N 1151E): **AMNH**: 241062; **TTU**: 18033 - Sangmelima (0256N 1159E): **MCZ**: 34032, 34033 - Sou Mou River (0315N 1124E): **ROM**: 56168.
Congo:
Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1920-84 B, ZM-MO-1920-84 C, ZM-MO-1920-84 D, ZM-MO-1920-84 E, ZM-MO-1920-84 F.
Congo (Democratic Republic of the):
Abatupi river (00 45 N 29 49 E, 700 m): **INPBC**: V1285.4.1, V1285.4.2 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **MNHN**: ZM-MO-1984-1212 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48819, 48820, 48821 (Holotype *Nyctinomus ochraceus*), 48822, 48823, 48824, 48825, 48826, 48828, 48829, 48830, 48831, 48832, 48833, 48834, 48835, 49224, 49252, 49253, 49258, 49260, 49267; **FMNH**: 43876, 43877; **MCZ**: 17390, 17391; **RMCA**: 12391 - Panga (01 51 00 N 26 25 00 E, 434 m): **AMNH**: 48843 - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 537769 - Thysville (051500S 145200E, 604 m): **RBINS**: 22432 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537747, 537768.
Côte d'Ivoire:
Unknown locality: **RMCA**: 97.077-M-3283, 97.077-M-3284, 97.077-M-3285, 97.077-M-3286; **SMF**: 92027, 92028, 92029, 92030 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 97.077-M-3191, 97.077-M-3192, 97.077-M-3193, 97.077-M-3194, 97.077-M-3195, 97.077-M-3196, 97.077-M-3197, 97.077-M-3198, 97.077-M-3199, 97.077-M-3200, 97.077-M-3332, 97.077-M-3333, 97.077-M-3334, 97.077-M-3335, 97.077-M-3336, 97.077-M-3337, 97.077-M-3338, 97.077-M-3339, 97.077-M-3340, 97.077-M-3341, 97.077-M-3342, 97.077-M-3343, 97.077-M-3344, 97.077-M-3345, 97.077-M-3346, 97.077-M-3347, 97.077-M-3348, 97.077-M-3349, 97.077-M-3350, 97.077-M-3351, 97.077-M-3352, 97.077-M-3353, 97.077-M-3354, 97.079-M-0756, 97.079-M-0757, 97.079-M-0758, 97.079-M-0759, 97.079-M-0760, 97.079-M-0761, 97.079-M-0762, 97.079-M-0763, 97.079-M-0766, 97.079-M-0767, 97.079-M-0768, 97.079-M-0769, 97.079-M-0770, 97.079-M-0771, 97.079-M-0772, 97.079-M-0773, 97.079-M-0774, 97.079-M-0775, 97.079-M-0778, 97.079-M-0796, 97.079-M-0797, 97.079-M-0798, 97.079-M-0799, 97.079-M-0833, 97.079-M-0834, 97.079-M-0835, 97.079-M-0836, 97.079-M-0837, 97.079-M-0838, 97.079-M-0839, 97.079-M-0840, 97.079-M-0841, 97.079-M-0842, 97.079-M-0843, 97.079-M-0844, 97.079-M-0845, 97.079-M-0846, 97.079-M-0847, 97.079-M-0848, 97.079-M-0849,

97.079-M-0850, 97.079-M-0851, 97.079-M-0852, 97.079-M-0853, 97.079-M-0854, 97.079-M-0855, 97.079-M-0856, 97.079-M-0857, 97.079-M-0858, 97.079-M-0859, 97.079-M-0860, 97.079-M-0861, 97.079-M-0862, 97.079-M-0863, 97.079-M-0864, 97.079-M-0865, 97.079-M-0866, 97.079-M-0867, 97.079-M-0868, 97.079-M-0869, 97.079-M-0870, 97.079-M-0871, 97.079-M-0872, 97.079-M-0873, 97.079-M-0874, 97.079-M-0875, 97.079-M-0876, 97.079-M-0877, 97.079-M-0878, 97.079-M-0879, 97.079-M-0880, 97.079-M-0881, 97.079-M-0882, 97.079-M-0883, 97.079-M-0884, 97.079-M-0885, 97.079-M-0886, 97.079-M-0887, 97.079-M-0888, 97.079-M-0889, 97.079-M-0890 - Duékoué (06 44 17 N 07 20 35 W, 271 m): **RMCA**: 97.077-M-3358, 97.077-M-3359, 97.077-M-3360, 97.077-M-3361, 97.077-M-3362, 97.077-M-3363, 97.077-M-3364, 97.077-M-3365, 97.077-M-3366, 97.077-M-3367, 97.077-M-3368, 97.077-M-3369, 97.077-M-3370.

Ghana:

Unknown locality: **BMNH**: 1966.5579, 1971.878, 1972.194, 1978.1545_1, 1978.1545_2, 1978.1545_3; **RMNH**: MAM.35879 - Ahiriso (0632N 0220W): **USNM**: 414256, 414257, 414258, 414259, 414260, 414261, 414262, 414263, 414388 - Boti Falls (06 22 N 00 19 W): **ROM**: 55138 - Doyum (05 54 N 00 01 E, 46 m): **USNM**: 412289, 412290, 412291, 412292, 412293, 412294, 412295, 412296, 412297, 412298, 412299, 412300, 412301, 412302, 412303, 412304, 412305, 412306, 412307, 412308, 412309, 412310, 412311, 412312, 412313, 412314, 412315, 412316, 412317, 412318, 412319, 412320, 412321, 412322, 412323, 412324, 412325, 412326, 412327, 412328, 412329, 412330, 412331, 412332, 412333, 412334, 412335, 412336, 412337, 412338, 412339, 412340, 412341, 412342, 412343, 412344, 412345, 412346, 412347, 412348, 412349, 412350, 412351, 412352, 412353, 412354, 412355 - Jukwa (0515N 0121W): **USNM**: 412247, 412248 - Leklebi Agbesia (0656N 0029E): **USNM**: 424947, 424948, 424949, 479954 - Prestea, 32 mi W (0523N 0228W): **USNM**: 414249, 414250, 414251, 414252, 414253, 414254, 414255 - Yabraso (0804N 0147W): **USNM**: 424939, 424940, 424941, 424942, 424943, 424944, 424945, 424946.

Guinea:

Kouroussa region (ca. 10 39 N 09 53 W): **MNHN**: ZM-MO-1905-449.

Liberia:

Marshall Territory (061500N 103000W): **AMNH**: 185265.

Mozambique:

Mozambique Island (ca. 1500S 4042E): **ZMB**: 536/85537 (Holotype *Dysopes brachypterus*).

Rwanda:

Unknown locality: **BMNH**: 1975.2809, 1975.2809_1, 1975.2809_2, 1975.2810.

Senegal:

Kaffrine, 15 km N (1408N 1534W): **USNM**: 376222.

Sierra Leone:

Unknown locality: **BMNH**: 1808.11.11.1, 1860.2.22.1, 1860.2.22.2, 1862.12.23.3 (Holotype *Nyctinomus leonis*), 1950.1963, 1950.1964, 1953.100, 1953.101, 1953.102, 1953.103, 1953.104, 1953.105, 1953.106, 1953.107, 1953.108, 1953.109, 1953.110, 1953.600, 1953.77, 1953.78, 1953.79, 1953.80, 1953.81, 1953.82, 1953.83, 1953.84, 1953.85, 1953.86, 1953.87, 1953.88, 1953.89, 1953.90, 1953.92, 1953.93, 1953.94, 1953.95, 1953.96, 1953.97, 1953.98, 1953.99, 1954.916, 1959.229, 1959.230, 1959.231, 1959.232, 1959.233, 1959.234, 1959.235, 1959.236, 1959.237, 1959.238, 1959.239, 1959.240, 1959.241, 1959.242, 1959.243, 1959.244, 1959.245, 1959.246, 1959.247, 1959.248, 1959.249, 1959.250, 1959.251, 1959.252 - Cole Farm (08 30 N 13 17 W): **ROM**: 60687 - Freetown (0830N 1315W): **ROM**: 60692, 60696 - Freetown (0830N 1315W, 0 m): **USNM**: 399145 - Glote Village: **ROM**: 77459, 77461, 77463, 77464, 77466, 77469 - Hamilton Village (082255N 131535W, 60 m): **ROM**: 77648, 77649, 77650, 77651 - Newton (082019N 130017W, 48 m): **ROM**: 56495, 56496, 56497 - Panguma, 10 mi N (0817N 1106W): **USNM**: 463314 - Wellington Village: **ROM**: 60657.

Tanzania:

Malindi (04 37 S 38 18 E, 1626 m): **ZMB**: 5553 - Mojoni [=Muyuni] (0620S 3925E): **ZMB**: 11409, 11416, 11417 - Pwani region: **SMF**: 75876 - Tanga (05 04 00 S 39 06 00 E, 0 m): **MNHN**: ZM-MO-1897-1532, ZM-MO-1897-1533 - Tanga region: **SMF**: 82501, 82509, 83620, 93024, 93025.

Uganda:

Budongo Forest (014416N 313322E, 4000ft): **AMNH**: 219806, 219807, 219808, 219809, 219810, 219811, 219812, 219813, 219814, 219815, 219817, 219818, 219819, 219820, 219821, 219822, 219823, 219824, 219825, 219827, 219828, 219829, 219830, 219831, 219832, 219833 - Budongo Forest (0146N 3133E, 1050 m): **ROM**: 59234, 59235, 59236 - Bunyoro (0145N 3135E, 1200 m): **ROM**: 46658, 46721 (Neotype *Dysopes brachypterus*) - Bunyoro (0145N 3135E, 1350 m): **ROM**: 46464 - Sonsor river (0146N 3133E, 1200 m): **ROM**: 46604, 46605.

Mops (Xiphonycteris) nanulus J.A. Allen, 1917

"Africa":

Unknown locality: **MNHN**: ZM-MO-2001-1599.

Benin:

Nikki (0956N 0313E): **USNM**: 421518, 421519, 421520, 421521, 421522.

Cameroon:

Idenao (04 15 51 N 09 02 50 E, 531 m): **ROM**: 43368, 43369, 43370, 43371, 43372, 43373, 43374, 43375, 43376, 46779, 46780, 46781, 46782, 46783, 46784, 46785, 46786, 46787, 46788, 46789, 46790, 46791 - Indian Estates: **BMNH**: 1968.912, 1968.913 - Indian Estates (4.95N 8.8833333E): **ROM**: 51028, 51029, 51030, 51031, 51032, 51033, 51034 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55809 - Mokolo - Mayo Louti (10 42 00 N 13 44 00 E): **RMCA**: 73.015-M-0625, 73.015-M-0626 - Moliwe (04 03 59 N 09 14 48 E, 174 m): **ROM**: 39053, 39054, 39055, 39056 - Nanga-Eboko, 30 km E: **TTU**: 18031 - Nanga-Eboko, 30 km E (044100N 122200E, 631 m): **AMNH**: 241086 - Njombo River (0339N 1158E, 450 m): **ROM**: 57075, 57201, 57202, 57204.

Central African Republic:

Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-855.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 77.029-M-0003, 77.029-M-0004, 77.029-M-0005 - Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 48874 - Albertville (0556S 2912E, 763 m): **RMCA**: 29304 - Beno (03 37 00 S 17 48 00 E, 281 m): **BMNH**: 1954.840, 1954.841, 1954.842, 1954.843; **RMCA**: 19838, 19839, 19840, 19841, 19842, 19843, 19844, 19845, 19846, 19847 - Ihunga-Semliki confluence (00 10 N 29 35 E): **INPBC**: V794.1, V794.2, V794.3 - Isai River (01 24 N 28 04 E):

HZM: 7.7818, 8.7819 - Kasai (ca. 06 00 S 22 00 E): **RMCA**: 740a - Kikwit (05 03 44 S 18 52 38 E, 438 m): **MSB**: 274898, 274899, 274900, 274902, 274903, 274907 - Kikwit ITPK (05 03 44 S 18 52 38 E, 438 m): **RMCA**: 97.021-M-0817, 97.021-M-0818, 97.021-M-0819, 97.021-M-0820, 97.021-M-0821, 97.021-M-0822, 97.021-M-0850 - Kiloboze (03 03 00 S 28 11 00 E): **RMCA**: 38627 - Kinzambi mission (04 58 38 S 18 46 28 E, 312 m): **RMCA**: 97.021-M-0816 - Leverville (04 50 00 S 18 44 00 E, 307 m): **RMCA**: 9988b, 9988c - Lulimbi (00 28 00 S 29 39 00 E): **RMCA**: 77.029-M-0002 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.11.1.37, 1926.11.1.38, 1926.11.1.39, 1926.11.1.40, 1926.11.1.41, 1926.11.1.42, 1926.11.1.43, 1927.12.21.19, 1927.5.9.1, 1927.5.9.2; **RMCA**: 1548, 1954a, 1954b, 1954c - N'Gombe (06 35 00 S 20 42 00 E, 528 m): **RMCA**: 16451, 16608 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 48861 (Topotype *Mops (Allomops) nanulus*), 48862 (Topotype *Mops (Allomops) nanulus*), 48863 (Topotype *Mops (Allomops) nanulus*), 48864 (Holotype *Mops (Allomops) nanulus*), 48865 (Topotype *Mops (Allomops) nanulus*); **FMNH**: 43868 - Panga (01 51 00 N 26 25 00 E, 434 m): **RMCA**: 9132, 9133, 9134, 9135, 9141, 9142, 9143 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7114 - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 537758, 537759, 537760, 537761 - Wagenia (00 23 12 N 25 12 25 E, 508 m): **RMCA**: 88.025-M-0008 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537754, 537756.

Côte d'Ivoire:

Unknown locality: **SMF**: 92018, 92019, 92020.

Ethiopia:

Unknown locality: **BMNH**: 1972.4469.

Gabon:

Booué (00 06 00 S 11 56 00 E, 175 m): **RMCA**: 88.028-M-0001 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1985-1592.

Ghana:

Leklebi Agbesia (0656N 0029E): **USNM**: 479608, 479609, 479610, 479611, 479612, 479613, 479614, 479615, 479616, 479617, 479618, 479619, 479620, 479621, 479622, 479623, 479624, 479625, 479626, 479627 - Oda (05 55 N 00 56 W, 122 m): **BMNH**: 1946.242.

Guinea:

Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0310 - Pic de Foko (08 29 35 N 08 53 48 W, 1289 m): **ZFMK**: 2008.0311.

Kenya:

Unknown locality: **BMNH**: 1975.2710, 1975.2711 - Baringo, lake (003400N 360100E): **ROM**: 36492 - Kapsaina (0057N 3516E, 610 m): **ROM**: 65847 - Molo river (0155S 3545E, 1067 m): **ROM**: 75478, 75484, 75492, 75493 - Morok River (002028N 353756E, 1372 m): **ROM**: 75425, 75426, 75427, 75428 - Ngambo (0030N 3605E, 1036 m): **ROM**: 75462 - Rift Valley [former] province: **SMF**: 46552, 46553 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 38322, 38323, 38324, 38325, 38326, 38327, 38328, 38329, 38384, 38385, 38386, 38387, 38388, 38389, 38390, 38391, 40162, 40163, 40164, 40165, 40215, 40216, 65848, 65849, 78426, 91248 - Sigor, 1 mi [= 1.6 km] SE (ca. 01 29 N 35 29 E): **MVZ**: 142034, 142035 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 153012, 153013 - Wei Wei River (0128N 3531E): **BMNH**: 1968.483.

Nigeria:

Unknown locality: **BMNH**: 1961.458, 1964.754, 1964.755, 1964.756, 1964.757 - Ikotmbo (0503N 0819E): **BMNH**: 1939.318 (Holotype *Mops calabarensis*), 1948.718, 1948.719.

Sierra Leone:

Unknown locality: **BMNH**: 1959.261, 1959.262, 1960.157, 1960.158, 1960.159, 1960.160, 1960.161, 1960.162, 1960.163, 1960.164, 1960.165, 1961.351.

South Sudan:

0640N 2841E: **ROM**: 68201, 68206, 68213 - Nzara (04 38 36 N 28 15 11 E, 595 m): **BMNH**: 1977.621, 1977.621_1, 1977.621_2, 1977.622, 1977.623, 1977.623_1, 1977.623_2, 1977.623_3, 1977.624, 1977.625 - Yambio (0434N 2821E): **ROM**: 72101, 72106.

Togo:

Ezimé (07 29 00 N 00 56 00 E, 344 m): **RMCA**: 73.054-M-2237.

Uganda:

Budongo (013839N 313554E): **AMS**: M.30129 - Budongo Forest (014416N 313322E, 4000ft): **AMNH**: 219860, 219861, 219862, 219863, 219864, 219865, 219866 - Budongo Forest (0146N 3133E, 1050 m): **ROM**: 59237, 59238 - Bunyoro (0145N 3135E, 1200 m): **ROM**: 46674, 46675, 46676, 46677, 46678, 46702, 46703, 46704, 46705, 46706, 46707, 46720, 46728, 46729, 46730, 46731, 46732, 49140, 49141 - Moyo, 10 mi [=16 km] E (03 39 N 31 43 E, 750 -1067 m): **ROM**: 59143 - Sonsor river (0146N 3133E, 1200 m): **ROM**: 46616, 46617, 46618, 46619, 46620, 46621, 46622, 46623, 46624, 46625, 46626, 46634, 46635, 46636, 46637, 46638, 46639.

Mops (Xiphonycteris) petersoni (El Rayah, 1981)

"Africa":

Unknown locality: **AMS**: M.2251.

Cameroon:

Eséka, 6 km SE (ca. 0340N 1045E): **AMNH**: 236331, 236332 (Paratype *Tadarida [(Xiphonycteris)] petersoni*), 236333 (Paratype *Tadarida [(Xiphonycteris)] petersoni*), 236335 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55740, 55746, 55747, 55748, 55749, 55752, 55753, 55754, 55755, 55756, 55812, 55813 (Holotype *Tadarida [(Xiphonycteris)] petersoni*), 55814, 55815, 55816, 55817, 55818, 55819 - Mawutu Village: **ROM**: 69096, 69097, 69098, 69099, 69100, 69101, 69102, 69103, 69104, 69105, 69106, 69107, 69108, 69109, 69110, 69118, 69119, 69120 - Nanga-Eboko, 30 km E: **TTU**: 18013, 18014 - Nanga-Eboko, 30 km E (044100N 122200E, 631 m): **AMNH**: 241076 (Paratype *Tadarida [(Xiphonycteris)] petersoni*), 241077, 241078 (Paratype *Tadarida [(Xiphonycteris)] petersoni*), 241079 - Njombo River (0339N 1158E, 450 m): **ROM**: 57219 - Okola: **TTU**: 18017, 18018 - Okola (040100N 112300E, 700 m): **AMNH**: 241075 (Paratype *Tadarida [(Xiphonycteris)] petersoni*).

Ghana:

Kade Agricultural Research Station (06 05 N 00 50 W, 127 m): **ROM**: 39380, 39427 - Kade, 11 km NE (06 07 N 00 34 W): **ROM**: 36563, 36564, 36589, 36600, 36601.

Mops (Xiphonycteris) spurrelli (Dollman, 1911)

Cameroon:

Bipindi, 10 km W (0305N 1025E, ca. 300 m): **ROM**: 56253 - Eséka, 7 km N (ca. 0340N 1045E): **AMNH**: 236330 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55751, 55757, 55805, 55806, 55807, 55808, 55810, 55811 - Malako River (0427N 1137E): **ROM**: 56113, 56114, 56115 - Mawutu Village: **ROM**: 69111, 69112, 69113, 69114, 69115, 69116, 69117, 69121, 69122, 69123, 69124, 69125, 69126, 69127 - Nanga-Eboko, 30 km E: **TTU**: 18006, 18007, 18008, 18009 - Nanga-Eboko, 30 km E (044100N 122200E, 631 m): **AMNH**: 241087, 241088, 241089, 241114, 241115, 241116 - Njombo River (0339N 1158E): **ROM**: 57236 - Njombo River (0339N 1158E, 450 m): **ROM**: 57035, 57036, 57037, 57038, 57039, 57040, 57041, 57042, 57043, 57044, 57045, 57046, 57047, 57048, 57049, 57050, 57051, 57052, 57053, 57054, 57055, 57056, 57057, 57058, 57059, 57060, 57061, 57062, 57063, 57074, 57168, 57169, 57170, 57171, 57172, 57173, 57174, 57175, 57176, 57177, 57178, 57179, 57180, 57181, 57182, 57203, 57205, 57206, 57207, 57208, 57209, 57237, 57238, 57239 - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 55613, 55614, 55615, 55616, 55617, 55618, 55619, 55620, 55621, 56129, 56130, 56139, 56140, 56141, 56142, 56143, 56144, 56145, 56161, 56162 - Obala, 82 km NE (0446N 1151E): **AMNH**: 241085 - Okola: **TTU**: 18010, 18011, 18012 - Okola (040100N 112300E, 700 m): **AMNH**: 241080, 241081, 241082, 241083, 241084.

Congo (Democratic Republic of the):

Butembo (0009N 2917E, 1381 m): **RMCA**: 27868, 27869, 27870, 27871, 27872, 27873, 27874, 27875, 27876 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86145 - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 537757 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537753, 537755.

Côte d'Ivoire:

Unknown locality: **SMF**: 92021, 92022, 92023, 92024, 92025, 92026 - Lakota, 15 km N (0550N 0540W): **AMNH**: 239413.

Equatorial Guinea:

Unknown locality: **RMCA**: 73.049-M-0001 - Bioko Island (0330N 0842E): **AMNH**: 185331 - Fernando Po (03 30 N 08 42 E): **SMF**: 22023 - Moka (03 20 N 08 40 E, 1013 m): **USNM**: 395720, 395721.

Ghana:

Achimota (05 37 N 00 14 W, 82 m): **BMNH**: 1953.556 - Bibianaha (06 28 N 02 20 W, 720 ft): **BMNH**: 1911.1.11.1 (Holotype *Xiphonycteris spurrelli*), 1911.6.2.30 (Topotype *Xiphonycteris spurrelli*) - Boti Falls (06 22 N 00 19 W): **ROM**: 55129, 55133, 55134, 55135, 55136, 60226 - Jukwa (0515N 0121W): **USNM**: 412218, 412219, 412220, 412221, 412222, 412223, 412224 - Kade Agricultural Research Station (06 05 N 00 50 W, 127 m): **ROM**: 39403, 39415, 60171 - Kade, 6 mi [=9.7 km] NW (06 09 N 00 54 W): **USNM**: 412225 - Leklebi Agbesia (0656N 0029E): **USNM**: 424901, 424902, 424903, 424904, 424905, 424906, 424907, 424908, 424909, 424910, 424911, 424912, 424913, 424914, 424915, 424916, 424917, 424918, 424919, 424920, 424921, 424922, 424923, 424924, 424925, 424926, 424927, 424928, 424929, 424930, 424931, 424932, 424933, 424934, 424935, 424936, 424950, 424951, 424952, 424953 - Prestea, 32 mi W (0523N 0228W): **USNM**: 414392.

Liberia:

Cuttington University College (07 02 24 N 09 33 15 W): **AMNH**: 276139 - Kpatwee Falls (07 06 27 N 09 38 30 W): **AMNH**: 276106, 276107, 276108, 276109, 276110, 276111, 276112, 276113, 276114, 276115, 276116, 276117, 276118, 276119, 276120, 276121, 276122, 276123 - Zozoma (082500N 094700W): **AMNH**: 257078, 257079, 257080, 257081, 257082, 257083, 257084, 257085, 257086, 257087.

Sierra Leone:

Gola Forest Camp (0737N 1058W): **USNM**: 545613.

Togo:

Adina (07 31 00 N 01 01 00 E, 252 m): **RMCA**: 73.054-M-0241, 73.054-M-0242, 73.054-M-0243, 73.054-M-0244.

Mops (Xiphonycteris) thersites (Thomas, 1903)

Cameroon:

Unknown locality: **BMNH**: 1904.2.8.5, 1909.10.2.5 - Bertoua, 25 km NE (0445N 1351E): **TTU**: 18019, 18020, 18021 - Bertoua, 25 km NE (ca. 0705N 1501E): **AMNH**: 241072, 241073, 241074 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: T10542 - De Somo, Bamenda road: **ROM**: 54928, 54929, 54930 - Dimako (04 23 00 N 13 35 00 E, 680 m): **RMCA**: 77.032-M-0200 - Efulén (02 47 00 N 10 32 00 E, 421 m): **BMNH**: 1904.2.8.4 (Holotype *Nyctinomus thersites*) - Eséka, 6 km SE (ca. 0340N 1045E): **AMNH**: 236334, 236336, 236337, 236338, 236339, 236340 - Eséka, 9 km N (ca. 0340N 1045E): **TTU**: 18022, 18023 - Eséka, 9 km SE (ca. 0340N 1045E): **AMNH**: 236341, 236342, 236343, 236344, 236345, 236346, 236347 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55750 - Likomba (040537N 091955E, 124 m): **ROM**: 50949, 50950, 50951, 50952, 50953, 50954, 50955, 50956, 50957, 50958 - Lomié (03 10 N 13 34 E, 611 m): **ROM**: 57123 - Nanga-Eboko, 30 km E: **TTU**: 18024, 18025, 18026 - Nanga-Eboko, 30 km E (044100N 122200E, 631 m): **AMNH**: 241070, 241071, 241110, 241111 - Njombo River (0339N 1158E): **ROM**: 57070, 57071, 57159, 57160, 57161, 57162, 57163, 57187, 57188, 57189, 57190, 57191, 57192, 57193, 57194, 57195, 57196 - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 55631 - Okola: **TTU**: 18027, 18028, 18029, 18030 - Okola (040100N 112300E, 700 m): **AMNH**: 241064, 241065, 241066 - Sou Mou River (0315N 1124E): **ROM**: 56164, 56165, 56166, 56187, 56188, 56189, 56190, 56195 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.017-M-0761.

Congo (Democratic Republic of the):

Unknown locality: **SMF**: 6396 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 48851 (Holotype *Mops (Allomops) occipitalis*) - Banana (060100S 122400E, 0 m): **RBINS**: 15457 - Bombanga - Bumba (02 48 00 N 22 16 00 E): **RMCA**: 88.011-M-0026 - Cel II (ca. 03 55 00 N 29 22 00 E): **RMCA**: 36936 - Isai River (01 24 N 28 04 E): **HZM**: 3.7820 - Kasenye, 10 km N (ca. 01 25 N 30 25 00 E): **RBINS**: 15460.01, 15460.02, 15460.03, 15460.04, 15460.05, 15460.06, 15460.07, 15460.08, 15460.09, 15460.10, 15460.11, 15460.12, 15460.13, 15466, 15467, 15468, 15469, 15470, 15471, 15472, 15474.1, 15474.2 - Kikwit ITPK (05 03 44 S 18 52 38 E, 438 m): **RMCA**: 97.021-M-0824 - Luebo (050200S 213300E, 478 m): **RMCA**: 6607, 6608, 7298, 7299 - Lulua (05 53 45 S 22 25 04 E, 608 m): **RMCA**: 81.050-M-0002, 81.050-M-0003, 81.050-M-0004, 81.050-M-0005, 81.050-M-0006, 81.050-M-0007 - Luluabourg (055345S 222504E, 608 m): **AMNH**: 206845; **BMNH**: 1926.11.1.28, 1926.11.1.29, 1926.11.1.30, 1926.11.1.31, 1926.11.1.33, 1926.11.1.34, 1926.11.1.36, 1927.12.21.15, 1927.12.21.17, 1927.12.21.18; **RMCA**: 7542, 7544, 7549, 7550 - Lusano & KKK Zones: **DNSM**: 14073 - Make (04 36 00 S 15 10 00E): **RMCA**: 89.057-M-0003 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48845, 48846, 48847, 48848, 48850; **RMCA**: 12362 - Mosenge (04 39 00 S 18 58 00 E, 508 m): **RMCA**: 88.011-M-

0024, 88.011-M-0025 - Ndwa (020900S 162500E): **RMCA**: 20837 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 15398, 7172, 7176 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86101 - Tandala (02 58 00 N 19 21 00 E, 456 m): **MHNG**: 1871.007, 1871.008, 1871.009; **USNM**: 463530 - Yalosemba (02 35 N 24 47 E, 422 m): **MHNG**: 1871.002, 1871.003, 1871.004, 1871.005, 1871.006; **USNM**: 463523, 463524, 463525, 463526, 463527, 463528, 463529, 537763, 537764, 537765, 537766, 537767.

Côte d'Ivoire:

Unknown locality: **SMF**: 92031, 92032, 92033, 92034, 92035, 92036, 92037, 92038, 92039, 92040 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 97.079-M-0958, 97.079-M-0959, 97.079-M-0960, 97.079-M-0961 - Lakota, 15 km N (0550N 0540W): **AMNH**: 239424, 239425, 239426, 239427, 239428, 239429, 239430, 239431, 239432, 239433, 239434, 239435.

Equatorial Guinea:

Moka (03 20 N 08 40 E, 1013 m): **MSB**: 25208, 25209, 25210, 25211 - Mokula (01 03 N 11 10 E): **MSB**: 25212.

Gabon:

Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1985-1591.

Ghana:

Unknown locality: **BMNH**: 1972.195, 1972.196; **ROM**: 36602 - Ahiriso (0632N 0220W): **USNM**: 414302, 414303, 414304, 414305, 414306, 414307, 414308, 414309, 414310, 414311, 414312, 414313, 414314, 414315, 414316, 414317, 414318, 414319, 414320, 414321, 414322, 414323, 414324, 414325, 414326, 414327, 414328, 414329, 414330, 414331, 414332, 414333, 414334, 414335, 414336, 414337, 414338, 414339, 414340, 414341, 414342, 414343, 414344, 414345, 414346, 414347, 414348, 414349, 414350, 414351, 414352, 414353, 414354, 414355, 414356, 414357, 414358, 414359, 414360, 414361, 414362, 414363, 414364, 414365, 414366, 414367, 414368, 414369, 414370, 414371, 414372, 414373, 414374, 414375, 414376, 414377, 414378, 414379, 414380, 414381, 414382, 414383, 414384, 414385, 414390, 414391, 414397 - Jukwa (0515N 0121W): **USNM**: 412226, 412227, 412228, 412229, 412230, 412231, 412232, 412233, 412234, 412235, 412236, 412237, 412238, 412239, 412240, 412241, 412242, 412243, 412244, 412245, 412246, 412249, 412250, 412251, 412252, 412253, 412254, 412255, 412256, 412257, 412258, 412259, 412260, 412261, 412262, 412263, 412264, 412265, 412266 - Kade Agricultural Research Station (06 05 N 00 50 W, 127 m): **ROM**: 39379, 39381, 39404, 39405, 39406, 39407, 39408, 39409, 39410, 39411, 39412, 39413, 39414, 39416, 39417, 39418, 39419, 39420, 39423, 39424, 39425, 39426, 39429, 39430, 39431, 39432, 39433, 39434, 39435, 60172, 60173, 60175, 60176, 60177, 60178, 60179, 60180, 60181, 60182, 60183, 60184, 60185, 60186, 60187, 60188, 60189, 60190, 60191, 60192 - Kade, 11 km NE (06 07 N 00 34 W): **ROM**: 36565, 36580, 36581, 36582, 36583, 36584, 36585, 36586, 36587, 36588, 36590, 36591, 36592, 36593, 36594, 36595, 36596, 36597, 36598, 36599 - Kade, 6 mi [=9.7 km] N (06 10 N 00 50 W): **USNM**: 420079, 420080, 420081, 420082, 420083, 420084, 420085, 420086, 420087 - Kade, 6 mi [=9.7 km] NW (06 09 N 00 54 W): **USNM**: 412267, 412268, 412269, 412270, 412271, 412272, 412273, 412274, 412275, 412276, 412277 - Kade, 7 mi [=11.3 km] NE (06 09 N 00 45 W): **MVZ**: 149374 - Leklebi Agbesia (0656N 0029E): **USNM**: 424954, 424955, 424956, 424957, 424958, 424959, 424960, 424961, 424962, 424963, 424964, 424965, 424966, 424967, 424968, 424969, 424970, 424971, 424972, 424973, 424974, 479550, 479551, 479552, 479553, 479554, 479555, 479556, 479557, 479558, 479559, 479560, 479561, 479562, 479563, 479564, 479565, 479566, 479567, 479568, 479569, 479570, 479571, 479572, 479573, 479574, 479575, 479576, 479577, 479578, 479579, 479580, 479581, 479582, 479583, 479584, 479585, 479586, 479587, 479588, 479589, 479590, 479591, 479592, 479593, 479594, 479595, 479596, 479597, 479598, 479599, 479600, 479601, 479602, 479603, 479604, 479605, 479606, 479607 - Oda and Akim, between (05 54 N 00 55 W): **ROM**: 59826, 59828 - Prestea, 32 mi W (0523N 0228W): **USNM**: 414264, 414265, 414266, 414267, 414268, 414269, 414270, 414271, 414272, 414273, 414274, 414275, 414276, 414277, 414278, 414279, 414280, 414281, 414282, 414283, 414284, 414285, 414286, 414287, 414288, 414289, 414290, 414292, 414293, 414294, 414295, 414296, 414297, 414298, 414299, 414300, 414301, 414389, 414395.

Guinea:

Hotel de la Gar: **HNHM**: 70.2.1.

Kenya:

Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 81291, 81295, 81305, 81320, 81321, 83940, 83941.

Liberia:

Tars Town (0613N 0808W): **USNM**: 481735 - Zozoma (082500N 094700W): **AMNH**: 257088.

Nigeria:

Unknown locality: **BMNH**: 1950.183, 1950.184, 1950.185, 1950.186.

Rwanda:

Astrida (023550S 294420E, 1733 m): **RBINS**: 15475.1, 15475.2, 15478.1, 15478.2, 15482.01, 15482.02, 15482.03, 15482.04, 15482.05, 15482.06, 15482.07, 15482.08, 15482.09, 15482.10, 15932.1, 15932.2, 15932.3, 15932.4, 15932.5, 15932.6 - Byumba (01 34 35 S 30 04 03 E, 2300 m): **MHNG**: 1919.023 - Gihinda (01 24 S 30 37 E, 1400 m): **RBINS**: 15476.1, 15476.2, 15476.3 - Nyumba cave (0239S 2942E): **RBINS**: 15477 - Rubona (021900S 295600E, 1346 m): **RBINS**: 16036.

Sierra Leone:

Unknown locality: **BMNH**: 1953.111, 1953.112, 1953.113, 1953.114, 1953.116, 1953.117, 1953.118, 1953.119 - Glote Village: **ROM**: 77460, 77462, 77465, 77467, 77468, 77470 - Gola Forest Camp (0737N 1058W): **USNM**: 545614, 545615, 545616, 545617, 545618, 545619, 545620, 545621, 545622 - Newton (082019N 130017W, 48 m): **BMNH**: 1953.115 - Panguma, 10 mi N (0817N 1106W): **USNM**: 463315.

Togo:

Ezimé (07 29 00 N 00 56 00 E, 344 m): **USNM**: 437824, 437825, 437826, 437827, 439020, 439021.

Uganda:

Budo (0015N 3229E): **AMS**: M.29822 - Budongo Forest (014416N 313322E, 4000ft): **AMNH**: 219816, 219826 - Budongo Forest (0146N 3133E, 1060 m): **ROM**: 59241 - Bugala Island (00 19 13 N 32 14 38 E): **AMNH**: 233868 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 46671, 46673 - Bunyoro (0145N 3135E, 1200 m): **ROM**: 46653, 46669, 46670, 46672, 46696, 46709, 46710, 46711, 46712, 46713, 46725, 46726, 46727, 46735, 49124, 49125, 49137, 49138, 49139 - Bunyoro (0145N 3135E, 1350 m): **ROM**: 41775 - Masindi, near (014028N 314254E, 1060 m): **ROM**: 59227, 59228, 59229, 59230 - Nyanga (00 40 S 32 50 E): **RMCA**: 16287, 16288 - Omubiyanja Swamp (0059S 2937E, 1850 m): **FMNH**: 160385, 160386, 160387 - Toro (0030N 3000E, 750 m): **ROM**: 38343.

Mormopterus Peters, 1865

Madagascar:
"probably côte est": **MCZ**: 57537 - Andrahomana cave (ca. 2511S 4640E): **MCZ**: 45131.

Mormopterus acetabulosus (Hermann, 1804)

"Africa":
Unknown locality: **MNHN**: ZM-AC-I-496, ZM-MO-1999-944.
Ethiopia:
between Shoa and Lake Rudolf: **BMNH**: 1906.11.1.9.
Liberia:
Old Mine Road (07 33 11 N 08 32 28 W): **BMNH**: 1979.444_1, 1979.444_2, 1979.444_3, 1979.444_4, 1979.444_5.
Madagascar:
Tananarive (185500S 473100E, 1288 m): **MNHN**: ZM-MO-1984-1257.
Mauritius:
Unknown locality: **AMNH**: 255848; **BMNH**: 1899.11.27.1, 1906.1.1.9, 1907.1.1.622; **MCZ**: 4044; **MNHN**: ZM-MO-1984-368; **RMNH**: MAM.30301, MAM.30302; **ZMB**: 15041, 3569, 3570, 5222 - Camp Thorel Cave (20 12 56 S 57 37 14 E, 310 m): **FMNH**: 187533, 187534, 187535, 187536, 187537, 187538, 187539, 187541, 187542, 187543, 187544, 187545, 187546, 187547, 187548, 187549, 187550, 187551, 187552, 187553, 187554, 187555, 187556, 187557, 213499, 221194, 221195, 221197, 221201, 221203, 221204, 221206, 221207, 221210, 221213, 221214 - Camp Thorel Cave (20 12 56 S 57 37 14 E, 310m): **FMNH**: 187540 - Caverne Trois Bras (20 01 26 S 57 38 00 E, 45 m): **FMNH**: 187558, 187559, 187560, 187561, 187562, 187563, 187564, 187565, 187566, 187567, 187568, 187569, 187570, 187571, 187572, 187573, 187574, 187575, 187576, 221215, 221216, 221218, 221219, 221220, 221221, 221222, 221223, 221226, 221228, 221229, 221231, 221232, 221233, 221234, 221235, 221236 - Kanaka Bat Cave (20 24 46 S 57 31 20 E, 450 m): **FMNH**: 187510, 187511, 187512, 187513, 187514, 187515, 187516, 187517, 187518, 187519, 187520, 187521, 187522, 187523, 187524, 187525, 187526, 187527, 187528, 187529, 187530, 187531, 187532 - Mascarene Islands (20 00 S 57 00 E): **MNHN**: ZM-MO-1984-1149 bis, ZM-MO-1984-1150, ZM-MO-1984-1151, ZM-MO-1984-1152, ZM-MO-1984-1153, ZM-MO-1984-1154, ZM-MO-1984-1156, ZM-MO-1984-1157, ZM-MO-1984-1158 - Palma Cave (20 16 40 S 57 27 14 E): **FMNH**: 187488, 187489 (Neotype *V[espertilio] acetabulosus*), 187490, 187491, 187492, 187493, 187494, 187495, 187496, 187497, 187498, 187499, 187500, 187501, 187502, 187503, 187504, 187505, 187506, 187507, 187508, 187509, 213456, 213464, 213465, 213466, 213469, 221176, 221179, 221193 - Port Louis (20 09 43 S 57 29 56 E, 125 m): **MNHN**: ZM-MO-1984-1199 - Trois Bras cave (20 01 26 S 57 38 00 E, 45 m): **FMNH**: 213487, 213492 - Twilight Cave (20 07 03 S 57 42 10 E, 30 m): **FMNH**: 187577, 187578, 187579, 187580, 187581, 187582, 187583, 187584, 187585, 187586, 187587, 187588, 187589, 187590, 187591, 187592, 187593, 187594, 187595, 187596, 187597, 187598, 187599.
South Africa:
Durban (29 51 00S 31 01 00 E, 27 m): **MNHN**: ZM-MO-1984-1201.

Mormopterus acetabulosus acetabulosus (Hermann, 1804)

Mauritius:
Unknown locality: **SMF**: 81916, 81917, 81918, 81919.
Réunion:
Réunion Island (ca. 21 06 S 55 36 E, 0 - 1700 m): **MCZ**: 46100, 46101, 46102, 46103, 46104, 46105; **SMF**: 82018, 82019.

Mormopterus acetabulosus natalensis (A. Smith, 1847)

"Africa":
Unknown locality: **SMF**: 12061, 12062, 12063.

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008

Réunion:
Bourbon, île [=Réunion] (ca. 21 06 S 55 36 E, 0 - 1700 m): **ZMB**: 3081, 3082 - Eglise de Bras-Panon (20 58 52 S 055 38 35 E): **FMNH**: 229079, 229084, 229085, 229087, 229088, 229089, 229092, 229099, 229103, 229106, 229111, 229112, 229113, 229115, 229117, 229118, 229119, 229120, 229121, 229122, 229124 - Etang Salé (21 15 S 55 23 E, 20 m): **MNHN**: ZM-MO-1981-301 (Paratype *Mormopterus francoismoutoui*) - Falaise de Saint Gilles (21 03 18 S 55 13 22 E): **MNHN**: ZM-MO-1981-302 (Paratype *Mormopterus francoismoutoui*), ZM-MO-1981-303 (Paratype *Mormopterus francoismoutoui*), ZM-MO-1981-304 (Paratype *Mormopterus francoismoutoui*), ZM-MO-1981-305 (Paratype *Mormopterus francoismoutoui*), ZM-MO-1981-306 (Paratype *Mormopterus francoismoutoui*), ZM-MO-1981-307 (Paratype *Mormopterus francoismoutoui*) - Grotte de Trois Bassin (21 06 14 S 55 17 31 E): **FMNH**: 229067, 229068, 229069, 229070, 229072, 229073, 229074; **MNHN**: RB 271, RB 276, RB 277, RB 278, RB 279, RB 280, RB 281, RB 283, RB 284, RB 285, RB 286, RB 287, RB 288, RB 289, RB 290, RB 302, RB 306, RB 308, RB 309, RB 310, RB 311, RB 313, RB 314, RB 315, RB 316, RB 319, RB 320, RB 321, RB 322, RB 323, RB 326, RB 327, RB 328, RB 329, RB 330, RB 331, RB 332, RB 333, RB 334, RB 335, RB 336, RB 337, RB 338, RB 339, RB 350, RB 351, RB 352, RB 353, RB 354, RB 355, RB 356, RB 357, RB 358, RB 359, RB 360, RB 361, RB 362, RB 363, RB 364, RB 365, RB 366, RB 367, RB 368, RB 369; **UADBA**: RB-205, RB-206, RB-208, RB-209, RB-211, RB-214, RB-216, RB-218, RB-219, RB-220, RB-225, RB-226, RB-231, RB-232, RB-244, RB-245, RB-246, RB-248, RB-251, RB-340, RB-341, RB-342, RB-343, RB-344, RB-345, RB-346, RB-347, RB-348, RB-349 - Le Cap Méchant (21 22 30 S 55 42 34 E, 10m): **FMNH**: 193992 (Paratype *Mormopterus francoismoutoui*), 193993 (Paratype *Mormopterus francoismoutoui*), 193994 (Paratype *Mormopterus francoismoutoui*), 193995 (Paratype *Mormopterus francoismoutoui*) - Pont de Balthazar (20 56 44 S 55 19 51 E, 40m): **FMNH**: 193982 (Paratype *Mormopterus francoismoutoui*), 193983 (Paratype *Mormopterus francoismoutoui*), 193984 (Paratype *Mormopterus francoismoutoui*), 193985 (Paratype *Mormopterus francoismoutoui*),

193986 (Holotype *Mormopterus francoismoutoui*), 193987 (Paratype *Mormopterus francoismoutoui*), 193988 (Paratype *Mormopterus francoismoutoui*), 193989 (Paratype *Mormopterus francoismoutoui*), 193990 (Paratype *Mormopterus francoismoutoui*), 193991 (Paratype *Mormopterus francoismoutoui*) - Ravine des Trois Bassins (21 06 36 S 55 14 34 E, 10m): **FMNH**: 193996 (Paratype *Mormopterus francoismoutoui*), 193997 (Paratype *Mormopterus francoismoutoui*), 193998 (Paratype *Mormopterus francoismoutoui*), 193999 (Paratype *Mormopterus francoismoutoui*), 194000 (Paratype *Mormopterus francoismoutoui*), 194001 (Paratype *Mormopterus francoismoutoui*), 194002 (Paratype *Mormopterus francoismoutoui*), 194003 (Paratype *Mormopterus francoismoutoui*), 194004 (Paratype *Mormopterus francoismoutoui*), 194005 (Paratype *Mormopterus francoismoutoui*), 194006 (Paratype *Mormopterus francoismoutoui*), 194007 (Paratype *Mormopterus francoismoutoui*), 194008 (Paratype *Mormopterus francoismoutoui*), 194009 (Paratype *Mormopterus francoismoutoui*), 194010 (Paratype *Mormopterus francoismoutoui*), 194011 (Paratype *Mormopterus francoismoutoui*), 194012 (Paratype *Mormopterus francoismoutoui*), 194013 (Paratype *Mormopterus francoismoutoui*), 194014 (Paratype *Mormopterus francoismoutoui*) - Réunion Island (ca. 21 06 S 55 36 E, 0 - 1700 m): **FMNH**: 74208 (Paratype *Mormopterus francoismoutoui*), 74209 (Paratype *Mormopterus francoismoutoui*); **MNHN**: ZM-MO-1862-362 (Paratype *Mormopterus francoismoutoui*), ZM-MO-1863-265 A, ZM-MO-1863-265 B, ZM-MO-1863-265 C, ZM-MO-1863-265 D, ZM-MO-1863-265 E, ZM-MO-1865-24 (Paratype *Mormopterus francoismoutoui*), ZM-MO-1865-25 (Paratype *Mormopterus francoismoutoui*), ZM-MO-1865-26 (Paratype *Mormopterus francoismoutoui*); **ZMB**: 3253 - Réunion Island (ca. 2106S 5536E, 1700 m): **ROM**: 80771 - Sainte Clotilde (20 55 04 S 55 28 59 E, 80m): **FMNH**: 194015 (Paratype *Mormopterus francoismoutoui*), 194016 (Paratype *Mormopterus francoismoutoui*) - Saint-Gilles (21 02 S 55 14 E, 114 m): **MNHN**: ZM-MO-1981-308, ZM-MO-1981-309, ZM-MO-1981-310, ZM-MO-1981-311, ZM-MO-1981-312, ZM-MO-1981-313, ZM-MO-1981-314, ZM-MO-1981-315 - Tévelave, above (ca. 21 07 47 S 55 23 39 E): **UMMZ**: 115813 (Paratype *Mormopterus francoismoutoui*), 115814 (Paratype *Mormopterus francoismoutoui*), 115815 (Paratype *Mormopterus francoismoutoui*), 115816 (Paratype *Mormopterus francoismoutoui*), 115817 (Paratype *Mormopterus francoismoutoui*), 115818 (Paratype *Mormopterus francoismoutoui*), 115819 (Paratype *Mormopterus francoismoutoui*).

Mormopterus jugularis (Peters, 1865)

"Africa":

Unknown locality: **USNM**: 328778, 328779, 328780.

Madagascar:

Unknown locality: **AMNH**: 256521; **BMNH**: 1863.12.26.1 (Holotype *Nyctinomus [(Mormopterus)] albiventer*); **FMNH**: 217978, 218022, 222711, 222715; **UADBA**: 33723, 33724, 33752 - Ambatolampy: **MNHN**: ZM-MO-1984-1205 - Ambohibeloma (18 24 32 S 47 51 06 E): **FMNH**: 222716, 222717; **UADBA**: 33753, 33754, 33756, 33757, 33758, 33762, 33763, 33764 - Ambohijoky (1903S 4729E, 1340 m): **ROM**: 41975, 41976, 41977, 41978, 41979, 41980, 41981, 41982, 41983, 41984, 41985 - Ambovombe (2510S 4605E): **USNM**: 577135, 577136, 577137, 577138, 577139, 577140, 577141, 577142, 577143, 577144, 577145, 577146, 577147, 577148, 577149, 577150, 577151, 577152, 577153, 577154, 577155, 577156, 577157, 577158, 577159, 577160, 577173, 577174, 577175, 577176, 577177 - Ambovombe (2510S 4605E, 135 m): **USNM**: 577315, 577316, 577317, 577318, 577319, 577320, 577323, 577324, 577325, 577326, 577327, 577328, 577329, 577330, 577331, 577332, 577333, 577334, 577335 - Ampitambé (2100S 4745E, 900 m): **FMNH**: 5647 - Anadsibe (18 56 00 S 48 25 00 E, 921 m): **FMNH**: 222735 - Analamazaotra forest, Périnet (185600S 482500E, 800 - 991 m): **ROM**: 42057, 42058, 42059, 42060, 42061, 42062, 42063, 42064, 42066, 42067, 42068, 42069, 42070, 42114, 42115, 42116, 42117, 42118, 42119, 42120, 42121, 42122, 42123, 42124, 42125, 42126, 42127, 42128, 42129 - Andasibe (185600S 482500E, 921 m): **FMNH**: 184576 - Anjiro: **MNHN**: ZM-MO-1984-1258, ZM-MO-1984-1259 - Ankapoky (2459S 4630E, 50 m): **USNM**: 577313, 577314, 577321, 577322, 577336 - Ankazobe (18 18 50 S 47 06 50 E): **FMNH**: 184835 - Ankily (22 23 06 S 46 05 44 E): **FMNH**: 217979; **UADBA**: 32349, 32351 - Antananarivo: **MCZ**: 45663, 45664 - Antanarivo [= Tananarive] (1855S 4731E): **ROM**: 41939, 41940, 41941, 41945, 41946, 41947, 41948, 41949, 41950, 41951, 41952, 41953, 41954, 41955, 41956, 41957, 41958, 41959, 41960, 41961, 41962, 41963, 41964, 41965, 41966, 41967, 41968, 41969, 41970, 41971, 41987, 41988, 41989, 41990, 41991, 41992, 41993, 41994, 41995, 41996, 41997, 41998, 41999, 42000, 42001 - Behara: **MCZ**: 45435, 45436, 45437, 45438, 45439, 45440 - Behara, scientific institute (24 57 S 46 23 E, 48 m): **MNHN**: ZM-MO-1984-1204 - Beraketa (2452S 4627E, 80 m): **USNM**: 577361 - Béroboka (19 59 S 44 36 E, 43 m): **MNHN**: ZM-MO-1984-166, ZM-MO-1984-167 - Betioky Sud (23 43 11 S 44 23 01 E): **FMNH**: 218080; **UADBA**: 50199, 50200, 50201, 50202, 50203, 50204, 50205, 50206 - Betsileo (2210S 4504E): **ZMB**: 6011 - Carion (1854S 4743E): **ROM**: 42463, 42466, 42467, 42468 - Carion (1854S 4743E, 915 m): **ROM**: 42457, 42458, 42459, 42460, 42461, 42462, 42464, 42465 - Dronibe: **MNHN**: ZM-MO-1947-310 A, ZM-MO-1947-310 B - Eastern Madagascar: **MCZ**: 45572, 45573 - Faravohitra: **MNHN**: ZM-MO-1984-1221, ZM-MO-1984-1222, ZM-MO-1984-1223, ZM-MO-1984-1224, ZM-MO-1984-1225, ZM-MO-1984-1226, ZM-MO-1984-1229, ZM-MO-1984-1230 - Faux Cap (2534S 4531E, 34 m): **MNHN**: ZM-MO-1985-443, ZM-MO-1985-444, ZM-MO-1985-445, ZM-MO-1985-446, ZM-MO-1985-447, ZM-MO-1985-448, ZM-MO-1985-449, ZM-MO-1985-450, ZM-MO-1985-451, ZM-MO-1985-452; **USNM**: 294530, 294531, 294532, 294533, 294534 - Fianarantsoa (212600S 470500E, 1156 m): **FMNH**: 184445 - Fianarantsoa (212732.1S 470436E, 1190m): **ROM**: 42469, 42470, 42479, 42480, 42481, 42482, 42483, 42484, 42485, 42486, 42487, 42488, 42489, 42490, 42491, 42492, 42493, 42494, 42495, 42496, 42497, 42498, 42499, 42500, 42501, 42502, 42503, 42504, 42505, 42506, 42507, 42508, 42509, 42510, 42511, 42512, 42513, 42514, 42515, 42516, 42517, 42518, 42519, 42520, 42521, 42522, 42523, 42524 - Fort Carnot [=Ikongo] (215300S 472600E): **MCZ**: 45096 - Fort Dauphin (250200S 470000E): **MCZ**: 45385, 45386, 45387, 45388, 45389, 45390, 45407, 45408, 45409, 45410, 45411 - Fort Dauphin (250200S 470000E, 20 m): **USNM**: 577388 - Great Forest: **MCZ**: 45919, 45921 - Grotte des chauves-souris/makis (23 28 20 S 043 46 14 E): **FMNH**: 217945, 217946, 217947, 217948; **UADBA**: 32332, 32334, 32335, 32336, 32341, 32343 - Ihosy (22 23 07 S 46 03 23 E, 950 m): **FMNH**: 222689, 222690, 222697; **UADBA**: 33730, 33731, 33732, 33733, 33734, 33735, 33736, 33737, 33738 - Ihosy, 30 km N (22 23 S 46 09 E): **ROM**: 42715, 42716, 42717 - Ikongo forest (21 53 11 S 47 20 49 E): **MNHN**: ZM-MO-1912-52 A, ZM-MO-1912-52 B - Junck (18 48 S 48 40 E, 975 m): **BRTC**: 28743 - Junok (1848S 4840E): **ROM**: 42133, 42134, 42152, 42153, 42154, 42155, 42156, 42157, 42158, 42159, 42160, 42161, 42162, 42163, 42164, 42165, 42166, 42167, 42168, 42169, 42170, 42171, 42172, 42173, 42174, 42175, 42176, 42177, 42178, 42179, 42180, 42181, 42182, 42183, 42184, 42185, 42186, 42187, 42188, 42189, 42190, 42191, 42192, 42193, 42194, 42195, 42196, 42197, 42198, 42199, 42200, 42201, 42202, 42203, 42204, 42205, 42206, 42207, 42208, 42209, 42210, 42211, 42212, 42213, 42214, 42215, 42216, 42217, 42218, 42219, 42220, 42221, 42222, 42223, 42224, 42225, 42226, 42227, 42228, 42229, 42230, 42231, 42232, 42233, 42234, 42235, 42236, 42237, 42238, 42239, 42240, 42241, 42242, 42243, 42244, 42245, 42246, 42247, 42248, 42249, 42250, 42251, 42252, 42253, 42254, 42255, 42256, 42257, 42258,

42259, 42260, 42261, 42262, 42263, 42264, 42265, 42266, 42267, 42268, 42269, 42270, 42271, 42272, 42273, 42274, 42275, 42276, 42277, 42278, 42279, 42280, 42281, 42282, 42283, 42284, 42285, 42286, 42287, 42288, 42289, 42290, 42291, 42292, 42293, 42294, 42295, 42296, 42297, 42298, 42299, 42300, 42301, 42302, 42303, 42304, 42305, 42306, 42307, 42308, 42309, 42310, 42311, 42312, 42313, 42314, 42315, 42316, 42317, 42318, 42319, 42320, 42321, 42322, 42323, 42324, 42325, 42326, 42327, 42328, 42329, 42330, 42331, 42332, 42333, 42341, 42342, 42343, 42344, 42345, 42346, 42347, 42348, 42372, 42373, 42375, 42376, 42377, 42378, 42379, 42380, 42381, 42382, 42383, 42384, 42385, 42386, 42397, 42398, 42399 - Junok (1848S 4840E, 975 m): **ROM**: 42413, 42431, 42432, 42433, 42434, 42435, 42436 - Manantenina (2417S 4719E, 2 m): **USNM**: 577161, 577162, 577163, 577164, 577165, 577166, 577167, 577168, 577169, 577170, 577171, 577172, 577178, 577180, 577181, 577182, 577183, 577184, 577185, 577186, 577187, 577188, 577337, 577338, 577339, 577340, 577341, 577342, 577343, 577344, 577345, 577346, 577347, 577348, 577349, 577350, 577351, 577352, 577353, 577354, 577355, 577356, 577357, 577358, 577359, 577360 - Mistinjo: **MNHN**: ZM-MO-1909-290, ZM-MO-1947-310 - Perinet Railway Station [=Périnet] (18 56 00 S 48 25 00 E): **BRTC**: 28744 - Périnet, 5 km S (ca. 185600S 482500E): **ROM**: 42043, 42044 - Ranopiso, 20 km WNW and Amboasary, 12 km ENE (250500S 462800E): **USNM**: 577132, 577133, 577134 - Sakaraha (2254S 4432E, 468 m): **FMNH**: 184347; **MNHN**: ZM-MO-1984-1206, ZM-MO-1985-454, ZM-MO-1985-455, ZM-MO-1985-456, ZM-MO-1985-457, ZM-MO-1985-458, ZM-MO-1985-459, ZM-MO-1985-460, ZM-MO-1985-461, ZM-MO-1985-661, ZM-MO-1985-662, ZM-MO-1985-663, ZM-MO-1985-664, ZM-MO-1985-665, ZM-MO-1985-666, ZM-MO-1985-667, ZM-MO-1985-668, ZM-MO-1985-682, ZM-MO-1985-683, ZM-MO-1985-684, ZM-MO-1985-685, ZM-MO-1985-686, ZM-MO-1985-687, ZM-MO-1985-688, ZM-MO-1985-689, ZM-MO-1985-690, ZM-MO-1985-691, ZM-MO-1985-692, ZM-MO-1985-693, ZM-MO-1985-694, ZM-MO-1985-695, ZM-MO-1985-696, ZM-MO-1985-697, ZM-MO-1985-698, ZM-MO-1985-699, ZM-MO-1985-700, ZM-MO-1985-701, ZM-MO-1985-702, ZM-MO-1985-703, ZM-MO-1985-704, ZM-MO-1985-705, ZM-MO-1985-706, ZM-MO-1985-707, ZM-MO-1985-708, ZM-MO-1985-709, ZM-MO-1985-710, ZM-MO-1985-711, ZM-MO-1985-712, ZM-MO-1985-713, ZM-MO-1985-714, ZM-MO-1985-715, ZM-MO-1985-716, ZM-MO-1985-717, ZM-MO-1985-718, ZM-MO-1985-719, ZM-MO-1985-720, ZM-MO-1985-721, ZM-MO-1985-722, ZM-MO-1985-723, ZM-MO-1985-724, ZM-MO-1985-725, ZM-MO-1985-726, ZM-MO-1985-727, ZM-MO-1985-728, ZM-MO-1985-729, ZM-MO-1985-730, ZM-MO-1985-731, ZM-MO-1985-732, ZM-MO-1985-733, ZM-MO-1985-734, ZM-MO-1985-735, ZM-MO-1985-736, ZM-MO-1985-737, ZM-MO-1985-738, ZM-MO-1985-739, ZM-MO-1985-740, ZM-MO-1985-741, ZM-MO-1985-742, ZM-MO-1985-743, ZM-MO-1985-744, ZM-MO-1985-745, ZM-MO-1985-746, ZM-MO-1985-747, ZM-MO-1985-748; **ROM**: 42525, 42526, 42527, 42528, 42529, 42530, 42531, 42532, 42533, 42534, 42535, 42536, 42537, 42538, 42539, 42540, 42541, 42542, 42570, 42571, 42572, 42573 - Tananarive (185500S 473100E, 1288 m): **MNHN**: ZM-MO-1984-1227, ZM-MO-1984-1228, ZM-MO-1985-453, ZM-MO-1985-462, ZM-MO-1985-463, ZM-MO-1985-464, ZM-MO-1985-465, ZM-MO-1985-466, ZM-MO-1985-467, ZM-MO-1985-468, ZM-MO-1985-469, ZM-MO-1985-470, ZM-MO-1985-471, ZM-MO-1985-472 - Tananarive, near (ca. 185500S 473100E): **MCZ**: 45915 - Tananarivo [=Antananarivo] (1855S 4731E, 1300 m): **ZMB**: 2977 - Tisihombe (2518S 4529E, 63 m): **USNM**: 328773, 328774, 328775, 328776, 328777, 328781 - Toliara province: **UADBA**: 43211, 43213 - Tranoroa (2442S 4504E, 223 m): **MCZ**: 45106, 45603, 45609, 45610, 45611, 45612, 45613, 45614, 45615, 45618, 45619, 45620 - Tsihombe (2518S 4529E, 63 m): **USNM**: 328782, 328783, 328784, 328785, 328786, 328787 - Tuléar airport (23 23 S 43 43 E): **ROM**: 42674, 42675, 42676, 42677, 42678, 42679, 42680, 42681, 42682, 42683, 42684 - Vinanitelo (21 43 S 47 16 E): **MNHN**: ZM-MO-1984-1203 - Vohiposa (20 59 46 S 47 09 42 E): **FMNH**: 222701, 222702, 222703, 222705, 222706, 222709, 222710, 222712; **UADBA**: 33740, 33742, 33743, 33744, 33751 - West Coast: **MCZ**: 45095.

Myopterus daubentonii Desmarest, 1820

"Africa":

Unknown locality: **MNHN**: ZM-AC-A6788.

Central African Republic:

N'délé (08 24 39 N 20 38 50 E): **MNHN**: ZM-MO-1947-234.

Congo (Democratic Republic of the):

Bunia (013400N 301500E, 1332 m): **RMCA**: 15224 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 48852, 48853, 48854, 48855, 48856, 48857, 49228; **MCZ**: 17384 - Uele (River) (ca. 03 41 N 26 03 E): **BMNH**: 1919.5.9.1 (Holotype *Myopterus albatus*); **RMCA**: 2911.

Côte d'Ivoire:

Unknown locality: **SMF**: 92002 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1990-54, ZM-MO-1990-55 - Lamto, 3 km from (ca. 06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1786.

Senegal:

Kaffrine, 15 km N (1408N 1534W): **USNM**: 376221.

Myopterus whitleyi (Scharff, 1900)

Cameroon:

Unknown locality: **BMNH**: 1948.717, 1950.942, 1961.1099, 1961.1100, 1968.332 - Indian Estates (4.95N 8.8833333E): **ROM**: 51035 - Mayuka (04 17 50 N 09 24 20 E, 43 m): **BMNH**: 1967.1735 - Tiko (04 04 28 N 09 22 12 E, 64 m): **ROM**: 46837.

Central African Republic:

Ngotto forest (0355N 1703E): **Rennes**: BA0312.

Congo (Democratic Republic of the):

Unknown locality: **TM**: 9766 - Banana (060100S 122400E, 0 m): **RBINS**: 15459 - Beno (03 37 00 S 17 48 00 E, 281 m): **RMCA**: 19476, 19826, 19827 - Kasenye, 10 km N (ca. 01 25 N 30 25 00 E): **RBINS**: 15473 - Kikwit ITPK (05 03 44 S 18 52 38 E, 438 m): **MSB**: 274906 - Kinzambi mission (04 58 38 S 18 46 28 E, 312 m): **RMCA**: 97.021-M-0825 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RBINS**: 7478 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.11.1.45, 1926.11.1.46, 1926.7.6.100, 1926.7.6.101, 1926.7.6.102, 1926.7.6.103, 1926.7.6.99, 1934.10.24.27, 1934.10.24.28; **RMCA**: 16196, 16197, 1954h, 1954i, 1954j, 7588, 7589, 7590 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86140, 86144, 86148, 86176.

Gabon:

Franceville (01 38 S 13 35 E, 333 m): **MNHN**: ZM-MO-1892-222.

Ghana:
Unknown locality: **BMNH**: 1946.239, 1946.240.
Nigeria:
Unknown locality: **BMNH**: 1951.546, 1952.115 - Benin-City (06 20 N 05 38 E, 77 m): **BMNH**: 1900.10.26.1 (Holotype *Mormopterus Whitleyi*) - Calabar (0456N 0822E): **ROM**: 79177 - Niger River, lower: **USNM**: 141532.
Uganda:
Entebbe (00 03 52 N 32 26 49 E, 1132 m): **BMNH**: 1923.4.12.52; **MNHN**: ZM-MO-1908-12; **RMCA**: 31153.

Otomops Thomas, 1913

Kenya:
Kampi ya Moto (00 08 S 35 56 E, 1980m): **ROM**: 68360, 68361, 68362, 68363, 68364, 68365, 68366 - Kinu (00 58 00 S 38 18 00 E): **RMCA**: 35264 - Naivasha, 10 mi [=16 km] W (ca. 00 42 46 S 36 17 13 E): **USNM**: 437339.
Rwanda:
Kigali (01 57 13 S 30 03 38 E, 1567 m): **RMCA**: 12166.

Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015

Djibouti:
Mount Day (11 46 N 42 39 E, 1471 m): **BMNH**: 1969.1256.
Ethiopia:
Unknown locality: **BMNH**: 1971.2458_1, 1971.2458_2, 1971.2458_3, 1971.2458_4, 1971.2458_5, 1972.292_1, 1972.292_2, 1972.292_3, 1972.292_4, 1972.292_5 - Sof Omar cave (06 54 22 N 40 50 42 E, 1340 m): **HZM**: 40.31315 (Paratype *Rhinolophus ferrumequinum mellali*), 41.31316 (Paratype *Rhinolophus ferrumequinum mellali*), 42.31317 (Paratype *Rhinolophus ferrumequinum mellali*), 43.31318 (Paratype *Rhinolophus ferrumequinum mellali*), 44.31328 (Paratype *Rhinolophus ferrumequinum mellali*), 45.31369, 46.31370, 47.31371, 48.31372, 49.33964, 50.33965, 56.36213 (Paratype *Rhinolophus ferrumequinum mellali*), 57.36214 (Paratype *Rhinolophus ferrumequinum mellali*), 58.36215 (Paratype *Rhinolophus ferrumequinum mellali*), 59.36216 (Paratype *Rhinolophus ferrumequinum mellali*), 60.36217 (Holotype *Rhinolophus ferrumequinum mellali*), 61.36218 (Paratype *Rhinolophus ferrumequinum mellali*), 62.36219 (Paratype *Rhinolophus ferrumequinum mellali*), 63.36220 (Paratype *Rhinolophus ferrumequinum mellali*), 64.36221 (Paratype *Rhinolophus ferrumequinum mellali*); **NMP**: 91201, 91201_B, 91202, 91202_B, 91203, 91203_B; **ROM**: 71944, 72059; **SMF**: 41832, 41833.
Kenya:
Unknown locality: **BMNH**: 1965.361, 1965.362, 1965.363, 1965.364, 1970.2531, 1970.2531_1, 1970.2531_2, 1970.2531_3, 1970.2531_4, 1970.2531_5, 1970.2531_6, 1970.2532, 1970.2533, 1970.2534, 1970.2535, 1970.2536, 1970.2537_1, 1970.2537_2, 1970.2538, 1975.2103, 1975.2103_1, 1975.2103_2, 1975.2103_3, 1975.2103_4, 1975.2103_5, 1975.2103_6, 1975.2103_7, 1975.2104, 1975.2105, 1975.2106, 1975.2107, 1975.2108, 1975.2109, 1975.2650, 1975.2651, 1975.2652, 1975.2653, 1975.2654, 1975.2655, 1975.2806, 1975.912, 1975.912_01, 1975.912_02, 1975.912_03, 1975.912_04, 1975.912_05, 1975.912_06, 1975.912_07, 1975.912_08, 1975.912_09, 1975.912_10, 1975.913, 1975.914, 1975.915, 1975.922_1, 1975.922_2, 1975.922_3, 1975.922_4, 1975.922_5, 1989.61 - Chyulu Hills National Park (02.583 S 37.833 E, 1930 m): **SMNS**: 46077, 46079 - Ithundu cave (02 19 59 S 37 42 12 E, 920 m): **NMK**: 15459, 15460, 15461, 15462, 15463, 15464; **OMNH**: 16662; **RMCA**: 38546, 38547, 38548, 38549; **ROM**: 65875, 65876, 65877, 65878, 65879, 66031, 66034, 66035, 66036, 66037, 81198, 81199 - Kedong Valley (011000S 363000E, 6000 ft): **AMNH**: 207084; **MNHN**: ZM-MO-1966-185, ZM-MO-1966-186; **RMCA**: 33984; **ROM**: 36516, 36517, 36518, 36519, 36520, 36521, 36522, 41923, 41924, 41925, 41926, 41927, 41928, 41929, 41930, 41931, 41932, 41933, 41934, 41935, 41936, 41937, 78150, 78151, 78152, 78153, 78154 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **AMNH**: 237345 - Kiboko, 12 mi [= 19 km] S (0217S 3740E): **USNM**: 437312, 437313, 437314, 437315, 437316, 437317, 437318, 437319, 437320, 437321, 437322, 437323, 437324, 437325, 437326, 437327, 437328, 437329, 437330, 437331, 437332, 437333, 437334, 437335, 437336, 437337, 437338, 437340, 437341, 437342, 437343, 437344, 437345, 437346, 437347, 437348 - Kibwezi, near (ca. 02 25 S 37 58 E, 4000 ft): **HZM**: 12.11899 - Kimakia cave (02 30 00 S 37 45 00 E): **RMCA**: 75.054-M-0016 - Makindu cave (021700S 374900E, 1070 m): **ROM**: 77388, 78155, 78156, 78157, 78158 - Makindu River (02 09 25 S 37 54 25 E, 975 m): **ROM**: 65871, 65872, 65873, 65874 - Makindu, 19 km W (02.300 S 037.677 E, 1000 m): **ROM**: 63781, 63811 - Makindu, 19 km W (02.300 S 37.677 E, 1000 m): **ROM**: 48654, 48655, 48656, 48657, 48658, 48659, 48660, 48661, 48662, 48663, 48664, 48665, 48666, 48667, 63770, 63771, 63772, 63773, 63774, 63775, 63776, 63777, 63778, 63779, 63780, 63782, 63783, 63796, 63805, 63806, 63807, 63808, 63809, 63810, 63812, 63813 - Mount Suswa (01 09 S 36 21 E, 1800 m): **FMNH**: 135043, 135044, 135045, 135046, 135047, 135048 - Mount Suswa (01 09 S 36 21 E, 1980 m): **ROM**: 66032, 66033 - Mount Suswa (01 09 S 36 21 E, 2100 m): **MVZ**: 137042; **ROM**: 38598, 41911, 41912, 41913, 41914, 41915, 41916, 41917, 41918, 41919, 41920, 41921, 45945; **WNMU**: 347 - Mount Suswa (01 09 S 36 21 E, 2134 m): **ROM**: 66246, 66247, 66248, 66249, 66250, 66251, 66252, 66253, 66254, 66255, 66256, 66257, 66258, 66259, 66260, 66261, 66262, 66263, 66264, 66265, 66266, 66267, 66268, 66269, 66270, 66271, 66272, 66273, 66274, 66275, 66276, 66277, 66278, 66279, 66280, 66281, 66282, 66283, 66284, 66285 - Mount Suswa (01 09 S 36 21 E, 2160 m): **ROM**: 35682 - Mount Suswa (01 09 S 36 21 E, 7200 ft): **MCZ**: 51721 - Mount Suswa cave (01 09 S 36 21 E, 2195 m): **FMNH**: 153023, 153024, 153025, 153026; **ROM**: 36523, 78146, 78147, 78148, 78149, 91249, 91250; **TTU**: 37539; **USNM**: 351064, 351065, 351066, 351067, 351068, 351069, 351070, 351071, 351072, 351073, 351261, 354981, 354982, 354983 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **ROM**: 79677.

Otomops madagascariensis Dorst, 1953

Madagascar:
Unknown locality: **FMNH**: 221435, 221436; **UADBA**: 30302, 32328, 32330, 32408, 33642, 33643, 43205, 43740, 43883, 50607 - Andrafiabe, 3.5 km SE (12 56 31 S 49 03 18 E): **FMNH**: 176354, 176355, 176356, 176357, 176376 - Anjohikinakina cave (19 00 36 S 44 46 04 E): **FMNH**: 221433, 221434; **UADBA**: 33641 - Grotte Boribe (13 00 S 49 00 E): **FMNH**: 183896, 183897, 183927 - Grotte d'Ambanilia (23 32 24 S 43 46 01 E): **FMNH**: 172934, 172936, 172937, 172938, 172939, 172940, 172941, 172942 - Grotte d'Anjohibe (15 32 33 S 46 53 10 E, 100 m): **FMNH**: 221380, 221381,

221382, 221383, 221384; **UADBA**: 32923, 32924, 32925, 32926, 32927, 32928 - Grotte d'Anjohimbazimba (18 14 42 S 44 42 58 E): **FMNH**: 169667, 169689, 169692, 169693, 169694, 169695 - Grotte d'Antsiroandoha (12 53 28 S 49 05 53 E): **FMNH**: 177398 - Grotte de Bazaribe (12 42 44 S 49 28 25 E, 90 m): **FMNH**: 178849, 178850, 178851, 178852 - Grotte de Bisihiko (23 32 56 S 43 46 03 E, 10 m): **FMNH**: 172943, 172944, 172945, 172947, 172948, 172949, 172950, 172951, 172952, 172953 - Grotte de Sarondrana [= Sarodrano] (23 30 37 S 43 44 07 E): **ROM**: 42694 - Grotte de Tanambao (23 32 56 S 43 46 03 E, 10 m): **FMNH**: 217921, 217922, 217924; **UADBA**: 32321, 32322, 32323 - Grottes d'Anjohibe (15 32 33 S 46 53 10 E, 100 m): **FMNH**: 179316, 179317, 179318 - in a marine cave between Sarodrano and Saint-Augustin: **ROM**: 42543, 42544 - Namoroka, Réserve Naturelle (16 28 S 45 20 E): **MNHN**: ZM-MO-1953-1590 (Holotype *Otomops madagascariensis*) - Ranohira, 3.8 km NW (22 32 24 S 45 22 48 E): **FMNH**: 166073 - Saint Augustin (2333S 4346E, 125 m): **ROM**: 46912, 46913, 46914, 46915, 46916, 46917 - Sarodrano (23 30 37 S 43 44 07 E, 0 m): **ROM**: 42615, 42616, 42617, 42618, 42619, 42620, 42621, 42622, 42623, 42624, 42625, 42635, 42636, 42637, 42638, 42639, 42640, 42641, 42656, 42657, 42702 - Toliary province: **FMNH**: 209265.

Otomops martiensseni (Matschie, 1897)

"Africa":
Unknown locality: **AMS**: M.29879; **CM**: 102279; **ZMA**: MAM.21717.

Angola:
NovoRed'1ndo(= Sumbe) (11.38S 13.88E): **IICA**: 5237.

Burundi:
Kibira National Park (03 12 57 S 29 33 49 E, 2200 m): **FMNH**: 137633 - Rwegura (02 55 05 S 29 31 10 E, 2311 m): **MHNG**: 1896.021.

Central African Republic:
Bamingui-Bangoran National Park (0755N 2015E, 469 m): **BMNH**: 1981.233, 1981.238.

Congo (Democratic Republic of the):
Cel II (ca. 03 55 00 N 29 22 00 E): **RBINS**: 13827 - Marungu (06 43 S 29 31 E): **NMZL**: 3395 - Mbuye-Bala river (ca. 0910S 2704E): **RBINS**: 10704 - Poko (03 09 00 N 26 53 00 E, 641 m): **BMNH**: 1919.5.9.2.

Côte d'Ivoire:
Comoé National Park (08 49 21 N 03 35 26 W): **SMF**: 92048, 92049, 92050.

Ethiopia:
Unknown locality: **SMF**: 52378.

Ghana:
Pirisi (10 07 00 N 02 27 00 W): **USNM**: 420099.

Kenya:
Unknown locality: **DNSM**: 5774 - Bikobo, lava cave (02 11 00 S 37 43 00 E, 914 - 945 m): **ZMA**: MAM.10084, MAM.10085 - Eastern [former] province: **SMF**: 37542, 37543, 37544, 37545, 37563, 37564, 37565, 37566, 38433, 38434, 38435, 38436, 38437, 38438, 38439, 38440, 38441, 38514, 38515, 38516, 38517, 38612, 38613, 38614, 38615, 38616, 38617, 38630, 38631, 38632, 38633, 40590, 40591, 40592, 40593, 40594, 40595, 40596, 40597, 40598, 40599, 40600, 40601, 40602, 40603, 40604, 40605, 40607, 40608, 40609, 40611, 40612, 40613, 40614, 40615, 40686, 40687, 40688, 40689, 40702, 40703, 40704, 40705, 40706, 40707, 40708, 40709, 40710, 40711, 40712, 40713, 40714, 40715, 40716, 40717, 40718, 40719, 40720, 40721, 40724, 40725, 40726, 40727, 40728, 40729, 40730, 40731, 40732, 40733, 40734, 40735, 40736, 40737, 40748, 40749, 40750, 40751, 40752, 40753, 40754, 40755, 40756, 40757, 40758, 40759, 40760, 40761, 40762, 40763, 40764, 40765, 40766, 40767, 40768, 40769, 40770, 40771, 40772, 40773, 40774, 40775, 40776, 40777, 40778, 40779, 40780, 40781, 40782, 40783, 40784, 40785, 40786, 40787, 40788, 40789, 40790, 40791, 40792, 40793, 40794, 40795, 40796, 40797, 40798, 40799, 40800, 40801, 40802, 40803, 40804, 40805, 40814, 40815, 40816, 40817, 40818, 40819, 40820, 40821, 40822, 40823, 40824, 40825, 40826, 40827, 40828, 40829, 40830, 40831, 40832, 40833, 40834, 40835, 40836, 40839, 40840, 40841, 40842, 40843, 40844, 40845, 40846, 40847, 40848, 40854, 40855, 40856, 40857, 40858, 40860, 40861 - Mount Suswa (01 09 00 S 36 21 00 E, 1800 - 2200 m): **WAM**: M16549, M16550, M16551 - Mount Suswa cave (01 09 S 36 21 E, 2195 m): **ZMA**: MAM.21712, MAM.21713, MAM.21714, MAM.21715, MAM.21716, MAM.21718, MAM.21719, MAM.21720, MAM.21721, MAM.21722, MAM.21723, MAM.21724, MAM.21725, MAM.21726, MAM.21727, MAM.21728, MAM.21729, MAM.21730, MAM.21731, MAM.21732, MAM.21733, MAM.21734, MAM.21735, MAM.21736, MAM.21737, MAM.21738, MAM.21739, MAM.21740, MAM.21741, MAM.21742, MAM.21743, MAM.21744, MAM.21745, MAM.21746, MAM.21759, MAM.23460 - Rift Valley [former] province: **SMF**: 37567, 37568, 37569, 37570, 37571, 37918, 37919, 38442, 38443, 38444, 38445, 38510, 38511, 38512, 38513, 38525, 38526, 38527, 38528, 38529, 38530, 38594, 38595, 38596, 38597, 38598, 38599, 38600, 38601, 38602, 38603, 38604, 38605, 38606, 38607, 38608, 38610, 38611, 40616, 40617, 40618, 40619, 40620, 40621, 40628, 40633, 40634, 40635, 40636, 40690, 40722, 40723, 41169, 41170, 41171, 41172, 41173, 41174, 41175, 41176, 41177, 41178, 41179, 41180, 41181, 41182, 41183, 41184, 41185, 41186, 41187, 57546, 57547.

Malawi:
Mangochi Mountain (14 28 S 35 29 E): **NMZL**: 3228 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420 m): **MVZ**: 220907.

Rwanda:
Unknown locality: **SMF**: 66857.

South Africa:
Addington (29 50 36 S 31 02 03 E, 0 m): **DNSM**: 12648 - Amanzimtoti (30 03 00 S 30 52 48 E, 16 - 83 m): **DNSM**: 7914 - Amanzimtoti (30 03 00 S 30 52 48 E, 50 m): **DNSM**: 13086 - Bluff (29 55 54 S 31 00 48 E, 95 m): **DNSM**: 5509, 5510, 5511, 5512, 5513, 5514, 5515, 5516, 5517, 5518, 5519 - Brighton Beach (29 56 S 031 00 E, 58 m): **DNSM**: 5425, 5426, 5427 - Brighton Beach (29 56 S 31 00 E, 72 m): **DNSM**: 6930 - Durban (29 51 00S 31 01 00 E, 10 - 498 m): **DNSM**: 5392, 5936, 6904; **KZNM**: 378, 379 - Durban (29 51 00S 31 01 00 E, 27 m): **BMNH**: 1916.10.9.1 (Holotype *Otomops icarus*); **TM**: 42521 - Durban (29 51 S 31 00 E): **DNSM**: 13329 - Durban (29 51 S 31 01 E): **DNSM**: 661, 662, 664 - Durban North (29 48 00 S 31 02 00 E, 20 m): **DNSM**: 8002 - Durban North Area (presumably) (29 48 00 S 31 02 00 E): **DNSM**: 11731 - Durban, probably (29 50 S 31 00 E): **DNSM**: 4289, 4292, 4293, 4294, 4295, 4296, 4297, 4404, 4405, 4406 - Glen Anil (29 45 07 S 31 02 13 E, 105 m): **DNSM**: 11434 - Glenmore (29 35 15 S 30 58 08 E, 43 m): **DNSM**: 3518, 4042 - Hillary (29 53 S 30 57 E, 104 -115 m): **DNSM**: 663 - Hillary area, probably (29 53 S 30 57 E, 115 m): **DNSM**: 5935 - Hillcrest (29 46 00 S 30 46 00 E, 716 m): **DNSM**: 2747 - Kingsburgh (30 05 00 S 30 52 00 E, 40 m): **DNSM**: 6220 - Kingsburgh (30 05 00 S 30 52 00 E, 50 m): **DNSM**: 3974 - Kingsburgh (30 05 00 S 30 52 00 E, 51 m): **DNSM**: 13332 -

La Lucia (29 44 57 S 31 03 35 E): **DNSM**: 6936, 6937 - Margate, near (30.850 S 30.367 E): **HZM**: 3.3077, 4.3078 - Modimolle, 3 km NW (24 40 20 S 28 22 38 E, 1350 m): **DNSM**: 11526 - Morningside (29 50 S 31 00 E, 108 m): **DNSM**: 4760 - Morningside (29 50 S 31 00 E, 23 m): **DNSM**: 11732, 7909 - Morningside (29 50 S 31 00 E, 39 m): **DNSM**: 4950 - Morningside (29 50 S 31 00 E, 52 m): **DNSM**: 3519 - Mount Edgecombe (29 42 00 S 31 04 00 E, 116m): **DNSM**: 29 - Northdene (29 52 00 S 30 53 00 E): **DNSM**: 3885, 3886 - Ocean View Farm (30 20 20 S 30 43 52 E): **DNSM**: 8031, 8032 - Park Rynie (30 19 00 S 30 44 00 E): **DNSM**: 5605 - Pinetown (29 49 S 30 51 E, 359 m): **DNSM**: 8421 - Queen Elizabeth Park (2933S 3019E, 820 - 1140 m): **DNSM**: 10790 - Red Hill (29 46 34 S 31 01 39 E, 252 m): **DNSM**: 6886, 6887, 6888 - Umbilo (29 53 21 S 30 59 04 E, 48 m): **DNSM**: 5344 - Umgeni Heights (29 48 S 31 01 E, 29 m): **DNSM**: 10294, 10295, 8419, 8420 - Umhlanga Reserve (29 43 00 S 31 05 00 E, 11 m): **DNSM**: 4490 - Umhlanga Rocks (29 43 S 31 05 E, 11 m): **DNSM**: 4270 - Umkomaas (30 12 S 30 48 E, 36 m): **DNSM**: 13330 - Warner Beach (30 05 S 30 52 E, 67 m): **DNSM**: 6238 - Wentworth (29 55 20 S 30 59 51 E, 0 m): **HZM**: 1.2145 - Westville (29 50 S 30 56 E, 205 m): **DNSM**: 3673, 3674 - Westville (29 50 S 30 56 E, 262 m): **DNSM**: 5912 - Westville (29 50 S 30 56 E, 268 m): **DNSM**: 8505 - Westville (29 50 S 30 56 E, 286 m): **DNSM**: 5911; **TM**: 38863, 38864, 38865, 38866, 38867, 38868, 38869, 38870, 38871, 38872, 38873, 38874, 42514, 42515, 42516, 42519, 42520, 42522, 42523, 42524, 42525, 42526, 42527 - Westville (29 50 S 30 56 E, 78 m): **DNSM**: 8571.

Tanzania:

Kihansi Gorge (4.7542S 38.8028E, 700 m): **FMNH**: 163390 - Kizara logging site (0452S 3838E): **FMNH**: 182529 - Magrotto mountains (ca. 05 07 S 38 45 E): **ZMB**: 97523 (Holotype *Nyctinomus martiensseni*) - Tongwe Forest Reserve (051820S 384344E): **SMF**: 79542.

Zimbabwe:

Lake Kariba, Gatshe Gatshe Bay (16.87S 28.87E): **NHMZ**: 59834 - Sengwa Wildlife Research Station (1810S 2813E): **ROM**: 83979.

Otomops martiensseni icarus Chubb, 1917

Angola:

Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 88115.

South Africa:

Durban (29 51 00S 31 01 00 E, 27 m): **AMNH**: 172858 - Zwolls Estate (293726S 310307E): **AMNH**: 90401.

Uganda:

Bunyoro (0145N 3135E, 1350 m): **ROM**: 46695.

Platymops setiger (Peters, 1878)

Kenya:

Baringo (00 38 00 N 36 16 00 E, 1303 m): **WAM**: M16520 - Garibete Water Hole (03 26 00 S 39 16 00 E): **SMF**: 46558 - Kambiti W.H. (ca. 0049S 3714E): **BMNH**: 1975.2807, 1975.2807_1, 1975.2807_2, 1975.2808 - Kampi ya Samaki (003600N 360100E, 1054 m): **AMNH**: 219867 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **ROM**: 83008, 83010; **SMF**: 46557; **USNM**: 351319 - Kiboko, 3 mi W (ca. 021100S 374300E, 914 m): **ROM**: 91254 - Kiboko, 5 km W (0211S 3743E): **ROM**: 83009 - Nairobi-Mombassa road, mile 96 [= km 154] (ca. 021100S 374300E): **MNHN**: ZM-MO-1966-182, ZM-MO-1966-183 - Ndi (0314S 3830E, 2000 m): **ZMB**: 5265 - Sigor, 1 mi [= 1.6 km] SE (ca. 01 29 N 35 29 E): **MVZ**: 142036 - Sultan Hamud (0202S 3723E): **SMF**: 46556; **WNMU**: 374 - Tsavo East-NP, Mudanda Rock Crevices: **ROM**: 79684.

Platymops setiger macmillani Thomas, 1906

Ethiopia:

Addis Ababa and Lake Rudolf, between: **BMNH**: 1906.11.1.10; **USNM**: 173045 - Mui (0550N 3545E, 700 m): **BMNH**: 1972.4470.

Kenya:

Baringo, lake (003400N 360100E): **ROM**: 36511, 36512, 36513, 36514, 36515 - Kampi Ya Samalei (003600N 360100E, 3700 ft): **MCZ**: 51720 - Kanyangareng (01 47 00 N 35 08 00 E, 607-900 m): **ROM**: 36508, 36509, 40259, 40260, 40261, 40262, 40263, 40264, 40265, 40266, 40267, 40268, 40269 - Lualeni Borehole (0325S 3810E): **BMNH**: 1959.524 (Holotype *Platymops barbatogularis parkeri*) - Marigat (002800N 355900E, 1062 m): **ROM**: 75445 - Marigat, Perakera River (002800N 355900E, 1036 m): **ROM**: 68554, 68555, 68556, 68557 - Mount Nasolot, near (0149N 3518E): **ROM**: 73419, 73420 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 36510, 38261, 38312, 38313, 38314, 38315, 38316, 40258 - Takabba (032119N 401322E, 900 m): **ROM**: 68197.

South Sudan:

Lokomanyang [=Lokomarinyang] Marsh (0502N 3533E): **BMNH**: 1957.258 (Paratype *Platymops barbatogularis*) - Lokomarinyang Marsh (0502N 3533E): **BMNH**: 1967.1232 (Holotype *Platymops barbatogularis*).

Platymops setiger setiger (Peters, 1878)

Kenya:

Granite Hills, Mombaso Road: **ROM**: 38649, 38650, 38651, 38652, 38653, 38654, 38655, 38656, 38657, 38658 - Hunter's Lodge, near (02 12 41 S 37 42 55 E, 1067 m): **ROM**: 35685, 35686 - Kalipti: **AMNH**: 217024 - Kiboko, 10 mi [= 16 km] E (ca. 02 16 S 37 49 E): **USNM**: 351171, 351172 - Kiboko, 10 mi [= 16 km] N (02 02 S 37 42 E, 3000 ft): **FMNH**: 153015, 153016, 153017, 153018 - Kiboko, 10 mi [= 16 km] W (ca. 02 09 S 37 35 00 E): **USNM**: 351169, 351170 - Kiboko, 2 mi [= 3.2 km] NW (ca. 021100S 374300E, 914 m): **FMNH**: 153019, 153020, 153021 - Kiboko, 3 mi [= 4.8 km] W (ca. 021100S 374300E): **FMNH**: 153022 - Kiboko, 3 mi W (ca. 021100S 374300E): **USNM**: 351168 - Kiboko, 3 mi W (ca. 021100S 374300E, 914 m): **USNM**: 351166, 351167 - Kilanguni Lodge (025400S 380400E, 914 m): **ROM**: 48687 - Makindu, 16 km NW (0212S 3744E): **ROM**: 63786, 63787, 63791, 63792 - Marigat (002800N 355900E, 1062 m): **ROM**: 75444 - Molo river (0155S 3545E, 1067 m): **ROM**: 75479 - Nyangala hill (0337S 3844E): **ROM**: 71220, 71221, 71222, 71223, 71224, 71225 - Sultan Hamud (0202S 3723E): **BMNH**: 1975.2656.

South Sudan:

Loelli (0505N 3435E): **FMNH**: 78748 - Lokwi (040628N 324314E, 1487 m): **FMNH**: 74150, 78749, 78750, 79619, 79620.

Sauromys petrophilus (Roberts, 1917)

Botswana:

Francistown (2021S 2527E): **ROM**: 65044, 65045 - Francistown (21.15S 27.5E): **NHMZ**: 63760; **USNM**: 425369 - Lobatsi (2513S 2540E): **USNM**: 382695 - Tuli Block, Gesond Ltd (ca. 2212S 2854E): **TM**: 14074, 14081, 14082, 14083, 14094.

Mozambique:

Aldeia Chiuta [= Chiuta, Chuta] (153344S 331723E, 700m): **TM**: 14709, 14710, 14711, 14712; **USNM**: 365660, 365661, 365662, 365663, 365664, 365665, 365666, 365667, 365668, 365669, 365670, 365671, 365672 - Chiutu (15.57S 33.28E): **USNM**: 365659 - Niassa Game Reserve (12 37 27 S 37 39 23 E): **DNSM**: 8611, 8612, 8613.

Namibia:

Unknown locality: **SAMC**: 5451; **SMW**: 11253 - Aus, 1 km W (2640S 1616E): **TM**: 34324 - De Valle (24 18 S 16 18 E): **SMW**: 10520, 10521, 13637, 136376, 13644 - Erongorus Usakos (21 44 S 15 29 E): **TM**: 42781, 42782, 42783, 42784, 42785, 42786, 42787, 42788, 42789, 42790, 42791, 42792, 42793, 42795, 42837 - Farm Geduld 111 (201749S 154957E, 1020 m): **KM**: 28323 - Farm Huns 106: **SMW**: 10129 - Farm Kanaän (2552S 1607E): **TM**: 27419 - Farm Kanabeam 331 (28 09 00 S 17 31 00 E, 375 m): **BRTC**: 56817 - Farm Musterland 113 (201416S 155300E, 1200 m): **KM**: 28296 - Farm Ombarahewa 22 (202750S 161832E, 1320 m): **KM**: 28272, 28273, 28274, 28275, 28276, 28277, 28278, 28279, 28280, 28281 - Farm Opelo Sud 39 (211652S 155950E, 1300 m): **KM**: 31816, 31817, 31818, 31819, 31820 - Farm Otjitambi 25 (1947S 1510E): **SMW**: 11841 - Farm Otjitambi 25 (1948S 1511E, 1150 m): **KM**: 28297, 28298, 28299, 28300, 28301, 28302, 28303, 28304, 28305, 28309, 28310, 28311, 28312, 28313, 28314, 28315, 28316, 28317, 28318, 28319, 28321, 28322 - Farm Schwarzerfels 33 (202813S 161625E, 1300 m): **KM**: 28282, 28283, 28284, 28285, 28286, 28287, 28288, 28289, 28290, 28291, 28292, 28293, 28294, 28295 - Farm Witwatersrand 521, near Granite kop (2014Dc): **SMW**: 13641 - Farm Zwartmodder 101 (2454S 1617E): **TM**: 37568, 37569, 37570, 37571, 37589, 37590, 37591, 37592, 37593, 37594, 37595, 37596, 37597, 37598, 37599, 37600, 37601, 37614, 37616, 37617, 37618, 37619, 37620 - Fish River Canyon (2730S 1740E, 600 m): **KM**: 32657 - Ganab Waterhole (20.5S 15.52E): **USNM**: 537301, 537302, 537303, 537304, 537305, 537306 - Ganab waterhole (23.13S 15.13E): **SMW**: 7580 - Ganab waterhole (2315Ba): **SMW**: 7579 - Gobabeb, Namib Desert (23.55S 15.05E): **NHMZ**: 62511 - Gorrasis (400 m): **MSU**: MR.21313, MR.21314 - Grootfontein, 40 km WNW (19.38S 17.88E): **LACM**: 41723 - Hoanib R., floodplain: **SMW**: 12481, 12483, 12485 - Hoanib R., floodplain (20.88S 13.63E): **SMW**: 12484 - Klein Aus Farm 8 (2639S 1613E): **TM**: 37537 - Maltahohe, 110 km WSW (25.2S 15.92E): **USNM**: 498136 - Namib Park, Ganab water hole (2307S 1532E): **TM**: 28890, 28891, 28894, 28895 - Namibia Desert Research Station [= DERU] (2333S 1503E): **TM**: 27594, 27595, 27596, 27597, 27598, 27599, 27600, 27601, 27602, 27603 - Okahandja (21 59 S 16 55 E, 1324 m): **SMF**: 15447 - Ombu (21 40 S 15 44 E): **TM**: 16389, 16390, 16391, 16392, 16393, 16394, 16395, 16396, 16397, 8494, 9494 (Holotype *Platymops haagneri umbratus*), 9495 (Paratype *Platymops haagneri umbratus*), 9496 (Paratype *Platymops haagneri umbratus*), 9497 (Paratype *Platymops haagneri umbratus*), 9497a (Paratype *Platymops haagneri umbratus*), 9498 (Paratype *Platymops haagneri umbratus*), 9499 (Paratype *Platymops haagneri umbratus*), 9500 (Paratype *Platymops haagneri umbratus*), 9501 (Paratype *Platymops haagneri umbratus*), 9502 (Paratype *Platymops haagneri umbratus*), 9503 (Paratype *Platymops haagneri umbratus*), 9504 (Paratype *Platymops haagneri umbratus*), 9505 (Paratype *Platymops haagneri umbratus*), 9506 (Paratype *Platymops haagneri umbratus*), 9507 (Paratype *Platymops haagneri umbratus*), 9508 (Paratype *Platymops haagneri umbratus*), 9511 (Paratype *Platymops haagneri umbratus*), 9512 (Paratype *Platymops haagneri umbratus*), 9570 (Holotype *Platymops haagneri umbratus*) - Otjosongombe (1600 m): **BMNH**: 1935.1.6.57 - Rosh Pinah (2758S 1646E): **SMW**: 10096, 10097, 10098; **TM**: 32664, 32665, 32666, 32667, 32668 - Sesfontein (19.13S 13.88E): **SMW**: 8317 - Sesfontein (1913Bb): **SMW**: 8310, 8311, 8312, 8313 - Tumasberg (23.13S 15.38E): **SMW**: 7581 - Windhoek, 81 km SW (22.92S 16.37E): **LACM**: 47283 - Zwartmodder 101 (2454S 1617E): **SMW**: 11245, 11246, 11247, 11248, 11249, 11250, 11251, 11252, 11258, 112583, 11260.

South Africa:

Unknown locality: **MMK**: MAM/7119 - Augrabies Falls-NP (2835S 2020E): **TM**: 16979, 27465 - Bleskop (2535S 2726E): **TM**: X835 (Holotype *Platymops (Sauromys) petrophilus:*) - Blouberg Private Nature Reserve] (23 02 S 29 07 E, 584 m): **TM**: 24081, 24103 - Brits (2540S 2746E): **TM**: 28495 - Cederberg, Algeria State Forest (3221S 1903E): **KM**: TAD080, TAD081, TAD082 - Cederberg, Algeria State Forest, campsite (3221S 1903E): **TM**: 28297, 28298, 28299, 28300, 28302, 28303, 28317, 28318, 28319, 28341, 28344, 28362, 29364, 35106, 35107, 35108, 35141, 35142, 35151, 35154, 35155, 35156, 35157, 35158, 38406, 38407, 38408, 38409, 38410, 38433, 40603, 40604, 40606, 40616 - Cederberg, Pakhuis Pass, Kliphuis camp site (320810.248S 190010.08E): **TM**: 47570, 47571, 47572, 47573 - Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence (2213S 2922E): **TM**: 41418, 41420 - Farm Hilda [=V.L.NR.] (2229S 2913E): **TM**: 45372, 45373, 45380 - Farm Nydas [=Cnydas] (2819S 2034E): **TM**: 32487, 32488, 32489, 32490, 32491, 32492, 32493, 32494, 32495, 32496, 32497, 32520, 32521, 32522, 32523, 32524, 32525, 325254 - Farm Zusterstroom 447JR (2538S 2853E): **TM**: 35445 - Goegab (2941S 1801E): **KM**: TAD070, TAD071, TAD072, TAD073, TAD074, TAD075, TAD076, TAD077, TAD078, TAD079, TAD084 - Good house Bay (28 54 45 S 18 12 39 E, 650 ft): **MCZ**: 39600 - Goodhouse (2854S 1815E, 650 ft): **KM**: 2432, 2433, 2434, 2435 - Hester Malan Nature Reserve (2939S 1759E): **TM**: 34156 - Kranskop (2545S 2751E): **TM**: 13124 - Kruger-N.P., Malelane (2528S 3131E): **TM**: 42798 - Letaba Ranch (23 36 44 S 31 05 20 E): **TM**: 25560, 25561 - Louisvale, Orange R. 2 km N (28.6S 21.2E): **USNM**: 380569 - Mitchells Pass (3322S 1920E): **KM**: TAD083; **TM**: 8968 (Holotype *Platymops petrophilus fitzsimonsi*), 8969 (Holotype *Platymops petrophilus fitzsimonsi*) - Musina [=Messina], 4 km E (2221S 3003E): **TM**: 33473 - on Louis Trichard Road (2336S 2940E): **TM**: 24277, 24278, 24279, 24280, 25409, 25607, 25608, 25609, 25611, 25612 - Pilanesberg-NP (2508S 2708E): **TM**: 39011, 39012 - Riemvasmaak (2827S 2019E): **MMK**: MAM/2226, MAM/2227, MAM/2228, MAM/2229, MAM/2230, MAM/2231, MAM/2232, MAM/2233, MAM/2234 - Rosslyn (2538S 2806E): **TM**: 788 - Springbok, 14 km N, 44 km W (500 ft): **KM**: 21092 - Stolzenfels, Orange R (28.5S 19.7E): **USNM**: 451063 - Stolzenfels, Orange R (2831S 1942E): **USNM**: 451064, 451065 - Transvaal province: **CM**: 105758 - Venterskroon (26 52 48 S 26 16 12 E): **TM**: 42533, 42534 - Xhubuxnap (2828S 2007E): **MMK**: MAM/2235, MAM/2236, MAM/2237, MAM/2238.

Zimbabwe:

Bikita: **ROM**: 65007 - Chinanga Dam, Maramba (17.12S 32.87E): **NHMZ**: 32539 - Chishakwe Ranch (20.12S 32.12E): **NHMZ**: 32974 - Doddieburn: **BMNH**: 1961.1089 - Dwala Ranch, Bubiana (21.12S 29.62E): **NHMZ**: 30583 - Gem Farm, Beitbridge (21.87S 29.62E): **NHMZ**: 58127 - Mangwe, Vashu Farm (20.87S 28.12E): **NHMZ**: 59835 - Matobo Hills, Diana's Pool (20.47S 28.87E): **NHMZ**: 30464 - Matobo Hills, Mtshavezi Valley (20.62S 28.62E): **NHMZ**: 30683 - Matobo Hills, Tendele R (20.63S 28.3E): **NHMZ**: 32816 - Matobo Hills, Totololo R (20.55S 28.3E): **NHMZ**: 30484 - Matobo NP,

Whitewaters Dam (20.58S 28.47E): **NHMZ**: 63762 - Msandane Hill, Shashi R (21.62S 28.87E): **NHMZ**: 59837 - Nottingham Estates (22.12S 29.87E): **NHMZ**: 61232 - Nyandia Dam (17.0S 32.0E): **NHMZ**: 84247 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32540 - Ranelia (19.25S 32.5E): **NHMZ**: 59839 - Rhodes Matopos -Nature Park [=Matobo National Park] (20 33 S 28 33 E): **DNSM**: 3693; **TM**: 35029, 35030, 35031, 35032 - River Farm (22.13S 29.88E): **NHMZ**: 57595 - Sentinal Ranch (2210S 2930E): **TM**: 41615 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 30815, 9878.

Sauromys petrophilus erongensis (Roberts, 1946)

Namibia:

Namibia Desert Research Station [= DERU] (2333S 1503E): **BMNH**: 1973.522; **USNM**: 342154, 342155, 342156 - Ombu (21 40 S 15 44 E): **FMNH**: 62254 - Rehderstal ranch: **AMNH**: 233007.

Sauromys petrophilus haagneri (Roberts, 1917)

Namibia:

Keetmanshoop district [= Damaraland]: **TM**: X472.

South Africa:

Modderfontein, farm (29 41 S 17 48 E): **USNM**: 342650, 342651, 342652, 342653, 342654, 342655, 342656, 342657, 342658.

Sauromys petrophilus petrophilus (Roberts, 1917)

Botswana:

Molepolole (2424S 2531E): **MVZ**: 118028, 118029 - Molepolole (2424S 2531E, 1189 m): **AMNH**: 165942.

Sauromys petrophilus umbratus (Shortridge & Carter, 1938)

South Africa:

Cederberg, Pakhuis Pass, Kliphuis camp site (320810.248S 190010.08E): **KM**: 2827.

Tadarida Rafinesque, 1814

"Africa":

Nile River, near: **MNHN**: ZM-MO-1911-522 A, ZM-MO-1911-522 B.

Angola:

Courrier de Humpata, Fazenda Bumbo (ca. 1512S 1300E, ca. 700m): **MDL**: 11180a, 11180b - Huila (15.13S 13.63E): **FMNH**: 84052, 84053.

Congo (Democratic Republic of the):

Unknown locality: **BMNH**: 1990.234 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **BMNH**: 1904.6.25.2.

Egypt:

Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 91483.

Kenya:

Chemilil (0006S 3507E): **CAS**: 21244, 21245 - Gedi National Park (03 18 S 40 01 E, 7 m): **YPM**: MAM 003450, MAM 003451, MAM 003452, MAM 003453, MAM 003454, MAM 003455, MAM 003456, MAM 003457 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **YPM**: MAM 003441, MAM 003442, MAM 003443, MAM 003444.

Niger:

Tenda (115919N 031856E, 209 m): **MVZ**: 154312, 154321, 154322, 154323, 154324.

Somalia:

Mareri (002549N 424305E, 15 m): **CAS**: 21246.

South Africa:

Unknown locality: **BMNH**: 1905.9.5.5 - Taung (27 32 00 S 024 48 00 E, 1101 m): **ZMA**: MAM.22675.

South Sudan:

Mongalla (051057N 314500E, 466 m): **AMNH**: 82261.

Tanzania:

Unknown locality: **BMNH**: 1962.986; **MSB**: 19029, 19030 - Kilombero Valley (08 40 S 36 30 E, 330 m): **FMNH**: 182947, 182948, 182949, 182950 - Kwambumi Forest Reserve (0457S 3844E): **FMNH**: 182576 - Utete (075900S 384700E, 31 m): **FMNH**: 183016, 183017.

The Gambia:

Unknown locality: **BMNH**: 1991.277, 1991.278, 1991.279, 1991.280.

Uganda:

Unknown locality: **BMNH**: 1917.4.7.1, 1953.562; **CUMV**: 18778 - Bwambara, 8 km N, below Bwentale Camp (0033S 2952E, 1031 m): **FMNH**: 154079 - Kawanda, Agriculture Research Station (002229N 323211E, 1193 m): **CAS**: 24726.

Zambia:

Unknown locality: **BMNH**: 1972.4267_1, 1972.4267_2 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 34190, 34191, 34192, 34193, 34194, 34195.

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)

"Africa":

Unknown locality: **BMNH**: CN739; **CM**: 61507; **MMK**: MAM/2239, MAM/2240, MAM/2243, MAM/2244, MAM/2247, MAM/2248, MAM/2249, MAM/2250, MAM/2251, MAM/2252, MAM/2253, MAM/2254, MAM/2255, MAM/2256, MAM/2257, MAM/2259, MAM/2260, MAM/2264, MAM/2324, MAM/2325, MAM/2326, MAM/2329, MAM/2331, MAM/2332, MAM/2333, MAM/2334, MAM/2335, MAM/2338, MAM/2340, MAM/2341, MAM/2344, MAM/2345, MAM/2346, MAM/2351, MAM/2353, MAM/2354, MAM/2356, MAM/2357, MAM/2358, MAM/2359, MAM/2360, MAM/2361, MAM/2363, MAM/2364, MAM/2365, MAM/2366, MAM/6434; **USNM**: 113444, 113447, 113448.

Algeria:

Béni Abbès (30 08 00 N 02 10 00 W, 470 m): **BMNH**: 1966.4081; **MNHN**: ZM-MO-1984-1237 - Marhouma (30 00 16 N 02 04 14 W, 430 m): **MNHN**: ZM-MO-1984-1208.

Angola:

Unknown locality: **BMNH**: 1904.1.4.2, 1904.1.4.4 - Dolondolo (13.88S 13.13E): **SMW**: 6603 - Marco de Canavezes (ca. 1305S 1420E, 900m): **MDL**: 5841 - Natundabala River [=Tunda Vala gorge] (ca. 14 49 S 13 23 E): **EBD**: MAM 22253, MAM 22254, MAM 22255, MAM 22256, MAM 22260, MAM 22261, MAM 22262 - Sá da Bandeira (145500S 133000E, 1718 m): **IICA**: 6307 - Vila Arriaga (14.88S 13.38E): **IICA**: 8622.

Botswana:

Kanye (24 59 S 25 19 E, 1306 m): **TM**: 12471, 12472, 12473 - Tsabong (26.12S 22.37E): **NHMZ**: 62887 - Tsane (24.12S 21.87E): **NHMZ**: 65192 - Tsodilo Hills (18.87S 21.62E): **USNM**: 479538 - Tsodilo Hills (1845S 2146E): **USNM**: 479438, 479539, 479540, 479541, 479542, 479543, 479544, 479545, 479546, 479547, 479548, 479549 - Tsodilo Hills (18.87S 21.62E): **NHMZ**: 65194.

Côte d'Ivoire:

Korhogo Dept (0927N 0537W): **LACM**: 51306.

Egypt:

Unknown locality: **BMNH**: 1903.11.3.1, 1903.6.3.5, 1908.4.17.13, 1908.4.17.14; **MNHN**: ZM-MO-2003-737; **SMF**: 12378 - Abu Roash (30 02 44 N 31 05 33 E, 6 m): **BMNH**: 1903.6.3.3, 1903.6.3.4 - Al Bahr Al Ahmar (2606N 3417E): **ZMB**: 5211 - Bir Abu Saafa: **UMMZ**: 163501 - Bir Kohila (27 02 47 N 33 20 37 E): **NMP**: 91995, 91996, 91997, 91998, 91999 - Bir Nagat (ca. 27 06 N 33 22 E): **NMP**: 92001 - Giza [=Gizeh]: Restricted from "Egypt" to Giza (30 01 N 31 13 E): **MNHN**: ZM-MO-1986-1084 (A.467) (Lectotype *Nyctinomus ægyptiacus*) - Hurghada, 20 km S (27 08 N 33 50 E): **SMF**: 26104.

Ethiopia:

Abiyacula (ca. 12 02 N 39 03 E): **EBD**: MAM 25837, MAM 25840 - Giner, 48 km N: **ROM**: 71817, 71828, 71829, 71834, 71847 - Lalibela (12 02 N 39 03 E, 2472 m): **EBD**: MAM 25838.

Guinea:

Kouroussa, near (ca. 10 39 N 09 53 W): **MNHN**: ZM-MO-1905-448.

Kenya:

Unknown locality: **BMNH**: 1975.2658, 1975.2659, 1975.2660, 1975.2661, 1975.2663, 1975.2665, 1975.2666, 1975.2667; **QM**: JM6259, JM6261, JM6349 - Base of Nguruman Escarpment, Endoposei River: **ROM**: 71383, 71384, 71404, 71405 - Eastern [former] province: **ROM**: 100069; **SMF**: 39428 - Escarpment Kampi ya Samaki: **LACM**: 27475 - Granite Hills, Mombaso Road: **ROM**: 36425, 36426, 36427, 36428, 36430 - Kaiboni River: **ROM**: 38271 - Kalama (01 36 00 S 37 20 00 E): **LACM**: 36585 - Kalama Hills: **LACM**: 36006, 36008, 36009, 36010, 36011, 36012, 36013, 36014, 36015, 36016, 36017, 36018, 36019, 36020, 36021, 36022 - Kalama, Mbero Rock: **LACM**: 36601 - Kambu: **ROM**: 71423, 71424, 71425, 77674 - Kanyangareng (01 47 00 N 35 08 00 E, 607-900 m): **ROM**: 36422, 36423, 36424, 40277 - Kapenguria: **ROM**: 67957 - Kejengole Route: **LACM**: 51321, 51322, 51323, 51324, 51325, 51326, 51327, 51328, 51329 - Kiboko, 3 mi [= 4.8 km] W (ca. 021100S 374300E): **FMNH**: 153033 - Kiboko, 5 km W: **ROM**: 83015 - Kivokwe Rock: **LACM**: 36560, 36596, 36599, 36600, 36602 - Kongelai Escarpment: **ROM**: 40188 - Konza Hill: **ROM**: 77675, 77676 - Kyengole: **LACM**: 36574, 36586 - Kyengole Rocks: **LACM**: 36079, 36080, 36081, 36082, 36083, 36084, 36085, 36086, 36087, 36088, 36089, 36090, 36091, 36092, 36093, 36094, 36566 - Loitokitok: **LACM**: 31992 - Lukemia Hill: **ROM**: 79680 - Lukenya, mount (01 28 S 37 03 E): **WAM**: M21241 - Makueni Loc.: **LACM**: 35772 - Marigat, Perakera River: **ROM**: 75448, 75453, 75454 - Masol Location: **ROM**: 40190 - Maungu: **ROM**: 68665, 68666, 77512 - Maungu Hill: **ROM**: 68096, 68099 - Mbebo Hill: **ROM**: 74528, 74529, 74530, 74531, 74532, 74533, 74534, 77659, 77660, 77661, 77662, 77663, 77664, 77665, 77666, 77667, 77668, 77669, 77670, 77671, 77672, 77673, 77677, 77678, 77679, 77680, 77681, 88226, 88227 - Mbero: **LACM**: 36005 - Mbero area: **LACM**: 36025, 36026, 36027, 36028, 36029, 36030, 36031, 36032, 36033, 36034, 36035, 36036, 36037, 36038, 36039, 36040, 36041, 36042, 36043, 36044, 36045, 36046, 36047, 36048, 36049 - Mbero Rock: **LACM**: 36558, 36559, 36561, 36562, 36563, 36564, 36565, 36567, 36568, 36569, 36570, 36571, 36572, 36575, 36576, 36577, 36578, 36579, 36580, 36581, 36582, 36583, 36587, 36588, 36589, 36590, 36591, 36592, 36593, 36594, 36595, 36597, 36598, 36604, 36606 - Mbero Rocks: **LACM**: 36001, 36002, 36003, 36004, 36023, 36024, 36095, 36096, 36097, 36098, 36099, 36100, 36573, 36603, 36605 - Mbeva Hill: **LACM**: 67111, 67112, 67113, 67114, 67115, 67116, 67117, 67118, 67119, 67120, 67121, 67122, 67123, 67124, 67125, 67126, 67127, 67128 - Mbevo Hills (ca. 0137S 3716E): **CUMV**: 13732, 14467, 14468, 14469, 14470, 14471, 14472, 14473, 14474, 14475, 14476, 14477, 14478, 14479, 14480, 14481, 14482, 14483, 14484, 14485, 14486, 14487, 14488, 14696, 14697, 14698, 14699, 14700, 14701, 14702, 14703, 14704, 14705, 14706, 14707, 14708, 14709, 14710, 14711, 14712, 14713, 14714, 14715, 14716, 14717, 14718, 14719, 14720, 14721, 14722, 14723; **LACM**: 73981, 73982, 73983, 73984, 73985, 73986, 73987, 73988, 73989, 73990, 73991, 73992; **ROM**: 100048, 100050, 100051, 100054, 100056, 100058, 100061, 100064, 100065, 100066, 100067, 100070, 100071, 100072, 100073, 100074, 100075, 100076, 100125, 100141, 100142, 100143, 100147, 88228, 88229, 88230, 88231, 88232, 88233, 88234, 88235, 88236, 91326, 91327, 91328, 91329, 91330, 91331, 91332, 91333, 91334, 91335, 91336, 91337, 91338, 91339, 91340, 91341 - Mbeyo Hill, near machakos: **LACM**: 67137, 67138, 67139, 67140, 67141, 67142, 67143 - Mumandu Hill: **ROM**: 71152, 71153, 71154, 71155, 71156, 71158, 71159, 71160, 71161, 71162, 71163, 71164, 71165, 71166, 71167 - Muumandu (01 35 S 37 21 E): **ROM**: 100138, 79679, 85748, 85749, 85750, 85751, 85752, 85753, 85754, 85755, 85756; **UMMZ**: 114851 - Nairobi: **ROM**: 83014 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **ROM**: 79681 - Ndauni area (ca. 02 01 S 37 26 E): **LACM**: 73993, 73994, 73995 - NE Base Wei Wei River, West Pokot: **LACM**: 36552, 36553, 36554, 36556, 36557 - near Marigat, Perakera River: **ROM**: 68562 - Nguruman Escarpment: **ROM**: 71375, 71376, 71398, 71399 - Nyama Yango (0054N 3735E): **WNMU**: 575 - Nyangala Hill: **ROM**: 71175, 71176, 71177, 71182 - on Mombaso Road, Simba: **ROM**: 36431 - Sand River (camping site) (ca. 01 33 23 S 35 01 47 E): **ZMA**: MAM.22108, MAM.22109 - Tana River (02 31 49 S 40 31 26 E): **LACM**: 19791 - Tsavo East-NP, Mudanda Rock Crevices: **ROM**: 79678, 85757, 85758, 85759 - Tsavo East-NP, Rhino Corner: **ROM**: 36699, 41829, 41837, 41838 - unspecified locality (ca. 0131S 3716E): **LACM**: 36007, 36584 - Wei Wei River (ca. 01 30 00 N 35 30 00 E): **ROM**: 38317, 38318, 38319, 38320 - West Pokot: **LACM**: 36608, 36609, 36610.

Lesotho:

Holomo (28.88S 28.38E): **NMB**: 8682, 8683.

Mali:

Samaya (12 32 58 N 08 03 19 W, 299 m): **MNHN**: ZM-MO-1990-13.

Mauritius:

Unknown locality: **USNM**: 341868.

Morocco:

Oued Draâ (30 07 48 N 05 37 48 W): **NMP**: 90065.

Mozambique:

Unknown locality: **TM**: 2833 - Aldeia Chiuta [= Chiuta, Chuta] (153344S 331723E, 700m): **TM**: 14705, 14706, 14707, 14708 - Moebase: **TM**: 45950 - Mucrera R (19.87S 33.12E): **NHMZ**: 63966 - Ribaue, 27 km W (14 58 15 S 38 04 46 E, 586 m): **DNSM**: 8617, 8618 - Tete, 3 km E (16.27S 33.6E): **USNM**: 479953 - Vila Gouvela (18.07S 33.18E): **USNM**: 365503.

Namibia:

Unknown locality: **MMK**: MAM/2242, MAM/2263, MAM/2352, MAM/2355, MAM/2362; **QM**: JM6359; **TM**: 42976, 43020, 43074, 43097 - Aus, 3 km W (26.65S 16.22E): **SMW**: 11191 - Autabib 100: **LACM**: 57471, 57472, 57473 - Bethanie, E (27.5S 17.67E): **KM**: 32656 - De Valle (24 18 S 16 18 E): **SMW**: 10524, 10525, 10526, 13632, 13633, 13634 - Driekrone 516 (20.63S 14.63E): **SMW**: 10029 - E Kamombonde 86: **LACM**: 56360, 56361, 56362, 56363, 56364, 56365, 56366, 56367, 56368, 56369, 56370, 56371, 56372, 56373, 56374 - Eausiro W 100: **LACM**: 56375 - Etosha NP, Okaukuejo (19.13S 15.88E): **SMW**: 8098 - Farm Driekrone 516 (2014Da): **SMW**: SM-C10 029 - Farm Etaneno 44 (2016Cd): **SMW**: 7848, 7849 - Farm Ghaub 47: **LACM**: 41716, 41717, 41718, 41719, 41720, 41721, 41722, 41724, 41725 - Farm Huns 106: **SMW**: 10118, 10130 - Farm Huns 106 (27.38S 17.38E): **SMW**: 10117 - Farm Huns 106 (2723S 1723E): **TM**: 32691, 32692 - Farm Okandukaseibe 27 (2133S 1606E): **LACM**: 41715 - Farm Ombonde 616: **SMW**: 10930 - Farm Ombonde 616 (1933S 1432E): **SMW**: 10926, 10927, 10928, 10929, 10931 - Farm Rheinvels (2657S 1726E): **TM**: 32549, 32550, 32551, 32552, 32568 - Farm Welverdiend 328: **LACM**: 41709, 41710, 41711, 41712, 41713, 41714 - Farm Zwartmodder 101 (2454S 1617E): **TM**: 37572, 37572A, 37573, 37574, 37575, 37576, 37577, 375778, 37578, 37579, 37580, 37581, 37602, 37603, 37604, 37605, 37621, 37622, 37623 - Gorrarts 99 (24.88S 16.38E): **SMW**: 13627 - Gorrasis (400 m): **MSU**: MR.21311, MR.21312, MR.21595 - Klein Aus Farm 8 (2639S 1613E): **TM**: 37536, 37538, 37556, 37557, 37558, 37559 - Maltahohe, 110 km WSW (25.2S 15.92E): **USNM**: 498134 - Okambe, 10 mi NE: **CAS**: 12514 - Okambe, 10 miles NE (21.293 S 15.262 E): **CAS**: 12536 - Okatumba SA197 [Farmstead] (22 19 00 S 17 40 00 E): **AMNH**: 245636, 245637 - Okatumba Sud (2217Db): **SMW**: 7281, 7282, 7283, 7297 - Omaruru (21.28S 1600E): **KM**: 31821 - Ombu (21 40 S 15 44 E): **SMF**: 19554, 22001; **TM**: 16388, 16398, 16399, 9513, 9515, 9516, 9517 - Otjihua 180 (farmstead) (22 06 S 17 55 E): **LACM**: 59111, 59112, 59113, 59114, 59115, 59116, 59117, 59118, 59119, 59120, 59121, 59122, 59123, 59124, 59125, 59126, 59127, 59128, 59129, 59130, 59131, 59132, 59133, 59134, 59135, 59136, 59137, 59138, 59139, 59140 - Otjihua 182 (22 06 S 17 55 E): **LACM**: 59236 - Otjihua 185 (22 06 S 17 55 E): **LACM**: 58967, 58968, 58969, 58970, 58971, 58972, 58973, 58974, 58975, 58976, 59141, 59142, 59143, 59144, 59145, 59146 - Otjiwarongo (20.46S 16.31E): **KM**: 28324 - Rehoboth (22.68S 16.83E): **USNM**: 379805 - Rosh Pinah (2758S 1646E): **SMW**: 10100, 10101, 10102, 10135; **TM**: 32669, 32670, 32671, 32672, 32673, 32674, 32675, 32676, 32677, 32678, 32679, 32680 - Sesfontein (1913Bb): **SMW**: 8314, 8315, 8316 - Skeleton Coast Park, Brandberg Wes Mine (2104S 1411E): **SMW**: 9787 - Welverdiend 328 (25.78S 19.98E): **SMW**: 3954 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **LACM**: 59237 - Windhoek Hoerskloof (2217Ca): **SMW**: 11920 - Witwatersrand (20.88S 14.63E): **SMW**: 10016 - Zwartmodder 101 (24.88S 16.38E): **SMW**: 11276.

Niger:

Unknown locality: **BMNH**: 1979.2117.

Nigeria:

Unknown locality: **BMNH**: 1964.56 - Jauro Masali (0620N 0325E, 1300 m): **SMNS**: 41345, 41346; **ZFMK**: 1988.0101, 1988.0102 - Mianga, road (09 24 N 008 54 E, 1370 m): **BMNH**: 1965.3429.

South Africa:

Unknown locality: **BMNH**: 1897.11.5.51, 1897.11.5.52, 1897.11.5.53, 1897.11.5.54, 1897.11.5.55, 1897.11.5.56, 1897.11.5.57, 1897.11.5.58, 1897.11.5.59; **MMK**: MAM/2262; **TM**: 42658, 42666, 42818, 42820, 43079, 43080, 43084, 43085, 45616 - 40 km N Polokwane [=Pietersburg], on Louis Trichard Road (2336S 2940E): **TM**: 25604, 25610 - Addington (29 50 36 S 31 02 03 E): **DNSM**: 607 - Addington (29 50 36 S 31 02 03 E, 0 m): **DNSM**: 6368 - Albany District (33.3S 26.52E): **KM**: 32659 - Albert Falls Nature Reserve (29 26 45 S 30 25 43 E, 673 m): **DNSM**: 6009 - Albert Falls Nature Reserve (29 26 45 S 30 25 43 E, 708 m): **DNSM**: 6753 - Anthrax camp (22 25 30 S 31 12 30 E): **TM**: 36807, 36808, 36852, 36853, 36854 - Augrabies Falls-NP (2835S 2020E): **TM**: 27464 - Barkley East (31.08S 27.45E): **KM**: 25022 - Barkley West (28 30 S 24 33 E, 1150 m): **SAMC**: 9037 - Barkly East (3127Ab): **NMB**: 4589 - Bedford, SE (32.88S 26.24E): **KM**: 2552 - Benghensdorp: **TM**: 4573 - Bethlehem (2828Ba): **NMB**: 2984, 2985, 2986 - Bishopstowe cave (29 34 36 S 30 27 20 E, 823 m): **DNSM**: 7028 - Bloemfontein (29 08 00 S 26 12 00 E, 1423 m): **NMB**: 1657 - Bloemfontein (2926Aa): **NMB**: 6291, 6292, 6293, 6294, 6296, 6297, 6300, 6301, 6304, 6305, 6306, 6307, 6308, 6309, 6310, 6311, 6312, 6313, 6314, 6315, 6316, 6317, 6318, 6319, 6320, 6321, 7880 - Boshof (2825Aa): **NMB**: 7879 - Boshof (2825Cb): **NMB**: 6322 - Brakfontein, 18 km N (33.12S 23.45E): **USNM**: 342648 - Brakkloof (33 12 S 26 40 E): **TM**: 42538 - Brooklyn (254500S 281348E): **TM**: 4667, 4668 - Bultfontein (2825Bd): **NMB**: 3023 - Burgersdorp (305900S 261900E): **TM**: 4574 - Calvinia (31.54S 20.49E): **KM**: 29023 - Cape Town (33 55 00 S 18 25 00 E, 6 m): **DNSM**: 13087 - Cederberg, Algeria State Forest, campsite (3221S 1903E): **TM**: 28340, 28342, 28343, 28361, 35051, 35083, 35086, 35122, 35153, 35171, 35173, 38429, 38430, 38431, 38432, 40605, 40617, 40618, 40619, 40620, 40621, 40622 - Cederberg, Pakhuis Pass, Kliphuis camp site (320810.248S 190010.08E): **TM**: 47569 - Clanwilliam (32.12S 18.45E): **KM**: 2542 - Clarens (28 28 00 S 28 26 00 E): **DNSM**: 6347 - Clocolan [Excelsior] (2827Cd): **NMB**: 7565, 7566, 7567, 7568, 7569, 7570, 7571, 7572, 7573, 7574, 7575, 7576 - Craigadam (27 30 17 S 31 22 19 E): **TM**: 31729 - Danielskuil (281104S 233148E, 1478m): **MMK**: MAM/2323, MAM/2327 - De Aar (30.53S 24.08E): **KM**: 24579 - De Hoop, 24 km NNE (33.38S 20.38E): **USNM**: 342649 - Diepwalle State Forest (3357S 2310E): **TM**: 32274, 32275, 32276, 32277 - Doornkraal Camp Site (27 30 27 S 31 12 25 E): **DNSM**: 5999 - Dordrecht (3126Bd): **NMB**: 5077, 5128 - Durban (29 51 00S 31 01 00 E, 6 m): **DNSM**: 5689 - Durban CBD (29 51 00 S 31 01 00 E, 6 m): **DNSM**: 12645 - Edenburg (2925Db): **NMB**: 3003, 3004, 3005 - Elim hospital (2309S 3003E): **TM**: 39002 - Eshowe (28 53 S 31 28 E, 533 m): **DNSM**: 7078 - Eshowe (28 53 S 31 28 E, 540 m): **TM**: 7384, 7385, 7451 - Farm Commissiesdrift 327JQ [=Commisiondrift] (2546S 2713E): **USNM**: 575335, 575336, 575337, 575338, 575339, 575340 - Farm Enkeldoornspoort 207 (2518S 2840E): **TM**: 24959 - Farm Groothoek 99 (242100S 290748E): **TM**: 23402 - Farm Hilda [=V.L.NR.] (2229S 2913E): **TM**: 45370, 45371, 45377, 45378, 45379 - Farm Keikamspoort 71 (2950S 2247E): **TM**: 27273, 27274 - Farm Mooiplaas 94 (24 45 S 26 24 E): **TM**: 20478 - Farm Nooitgedacht 508 (265512S 271012E): **TM**: 44959 - Farm Nydas [=Cnydas] (2819S 2034E): **TM**: 32541 - Farm Olivewood 284 (2710S 2249E): **TM**: 41532, 41533, 41534, 41535 - Farm Oograbies West 153 (291200S 170500E): **TM**: 39334 - Farm Othawo 242, Sabie Sand Private Nature Reserve (2445S 3126E): **TM**: 24958 - Farm Ratsegaai 204 (2622S 2632E): **TM**: 29777 - Farm Regina 68 [=V.L.N.R.] (222248S 291612E): **TM**: 45382, 45415, 45416 - Farm Rhenosterspruit 59JQ (2527Ac): **TM**: 35440, 35442 - Farm River 141 MS (22 11 57 S 29 52 43 E): **TM**: 35441 - Farm

Rykvoorby 96 (2528S 2603E): **TM**: 20529, 20530, 20531 - Farm Tygerkloof 354 (24 41 40 S 27 12 33 E): **TM**: 45237 - Farm Welgedaan 292 (2741S 2514E): **TM**: 20840 - Farm Woodstock (2734S 2322E): **TM**: 35704, 35706, 35707, 35708, 35709, 35710, 35711, 35712, 35713, 35714, 35715, 35716, 35717, 35718, 35719, 35720, 35721, 35722, 35723, 35724, 35725, 35737, 35738, 35739, 35740, 35741, 35742, 35743, 35744, 35745, 35746, 35747, 35751 - Fauresmith [Petrusburg] (2925Ad): **NMB**: 3698, 3699, 3700, 3701, 3702, 3703 - Figtree camp (222550S 311150E): **TM**: 36869 - Fir Glen (331920S 262321E): **TM**: 6836 - Florida (2611S 2754E): **TM**: 1134, 1137, 41066 - Fouriesburg (2828Cb): **NMB**: 4164 - Gazankulu, Manyeleti Game Reserve (243748S 313748E): **TM**: 39232 - Gillets (29 46 41 S 30 47 49 E, 579 m): **DNSM**: 3670, 3671, 3672 - Grahamstown (33 18 S 26 32 E, 500 m): **DNSM**: 3935; **NHMZ**: 62004; **ROM**: 28190, 31158 - Hans Merensky Nature Reserve (2340S 3041E): **TM**: 24607, 24608, 24609 - Harrismith (2828Bb): **NMB**: 7903, 7904 - Hilton (29 31 S 30 18 E, 1140 m): **TM**: 39282 - Hoopstad (2725Da): **NMB**: 11939 - Humansdorp (33.98S 23.65E): **KM**: 24812 - Jagersfontein Commonage (2925Cb): **NMB**: 7580, 7583, 7587, 7590, 7591, 7627, 7628, 7630, 7631, 7632, 7648, 7674, 7676 - Jansenville, 12 km E (32.9S 24.75E): **USNM**: 451062 - Kaggasmoudt (3237S 2607E): **NM**: 106, 688 - Kalahari Gemsbok-NP (2537S 2037E): **TM**: 16463 - Kalahari Gemsbok-NP, Rooikop (2537S 2037E): **TM**: 35622 - Kalahari Gemsbok-NP, Twee Riveren (2627S 2037E): **TM**: 13573 - Kamferboom (26 07 S 20 37 E): **TM**: 16462, 16464 - Kamfersboom (26 07 S 20 37 E): **BRTC**: 20897 - Kgaswane Nature Reserve (25 43 13 S 27 11 07 E): **TM**: 48653 - Khamkirri Private Game Reserve, site 1 (283906.948S 202645.24E): **TM**: 47574, 47575, 47576, 47577, 47578, 47579 - King William's Town (32 53 00 S 27 24 00 E, 363 m): **MCZ**: 37035, 37036, 37037, 37043; **SAMC**: 13355 - Klaver (314659S 184036E): **TM**: 2287 - Koegelbeen Caves (2823Cb): **NMB**: 7509 - Ladismith (33.51S 21.1E): **KM**: 29471 - Ladybrand Town (2927Ab): **NMB**: 4355, 4848 - Langjan Provincial Nature Reserve (224948S 291200E): **TM**: 41301 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 34183, 34184 - Limpopo-Levuvhu Rivers confluence (222436S 311048E): **TM**: 36979 - Lindley (2728Cc): **NMB**: 7787 - Luchoff (29.9S 24.9E): **USNM**: 344267 - Lydenberg Vissery [=Fisheries]: **TM**: 43421 - Lydenburg Fisheries (25 06 50 S 30 28 50 E, 1450 m): **TM**: 47157 - Maclear (3028Cc): **NMB**: 5932 - Maditobe [= Witsand] Dam (22 41 S 31 02 E): **TM**: 39493 - Malelane (2528S 3131E): **TM**: 2487 - Mansiya Valley (28 03 S 32 05 E): **DNSM**: 3269 - Maria van Riebeeck Nature Reserve (255248S 281648E): **TM**: 19596 - Marop (2952S 1745E): **TM**: 28221 - Mmabolela Estates [=Mmqbolela Estates] (2240S 2815E): **TM**: 19713 - Modderfontein, farm (29 41 S 17 48 E): **USNM**: 342659 - Molteno (31.4S 26.36E): **KM**: 25040 - Msinga Pan (27 47 S 32 12 E): **USNM**: 351436 - Murraysburg, E (32.05S 24.08E): **KM**: 24673 - New Mucelneuck (254348S 281048E): **TM**: 2880 - Newington, 7 mi N (2445S 3125E): **TM**: 17291, 17292 - Nottingham Road (29 21 S 30 00 E, 1525 m): **DNSM**: 5087 - Nylstroom (244200S 282400E): **TM**: 39550 - Old Figtree forest (2225S 3111E): **TM**: 40827 - Oliphantspoort, Olifantspruit: **ROM**: 46022 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 29890, 36884 - Philipstown (30.06S 24.67E): **KM**: 24586 - Phinda Mountain Lodge (27 53 02 S 32 16 58 E, 61 m): **DNSM**: 13161 - Picnic site (2225S 3115E): **TM**: 41730 - Piet Retief (27.0S 30.8E): **KM**: 2543 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **DNSM**: 5672, 5673; **TM**: 42616, 42618, 42619, 42620, 42621, 42622, 42623, 42624, 42625, 42626, 42627, 42628, 42629 - Pietermaritzburg (29 37 00 S 30 23 00 E, 760 m): **DNSM**: 14148 - Pietermaritzburg University Campus (29 36 00 S 30 23 00 E, 670 m): **AMNH**: 245226; **TM**: 33400, 33401, 33402 - Pietersburg (2354S 2928E): **TM**: 42530, 42531 - Pongola Bush NR. (27 19 06 S 30 30 22 E, 1404 m): **DNSM**: 7494 - Potchefstroom (26.0S 27.08E): **SAMC**: 34203 - Potchefstroom (26.7S 27.08E): **USNM**: 156338 - Potchefstroom (2642S 2706E): **TM**: 1136, 1138, 41055, 41056, 41057, 41058, 41059, 41060, 41061, 41062, 41063, 41064, 41065 - Potgietersrus (2411S 2900E): **TM**: 42807 - Pretoria (25 42 25 S 28 13 46 E, 1271 m): **ROM**: 46028, 46029, 46030; **TM**: 42528, 42529, 6943 - Pretoria Boy's School (254531S 281347E): **ROM**: 45741, 45742, 45743, 45744, 45745, 45746, 45747, 78125, 78126, 78127 - Pretoria North (25 39 44 SS 28 09 55 E, 1222 m): **TM**: 4669 - Qwa-Qwa National Park (2828Bd): **NMB**: 9280 - Reddersburg (29 39 11 S 26 10 04 E, 1402 m): **NMB**: 3617, 3618, 3619 - Rhodes (30 47 47 S 27 58 04 E, 1829 m): **MSB**: 47958 - Rissik Private Nature Reserve (2453S 2827E): **TM**: 19790 - Riversdale (34.02S 21.22E): **KM**: 29476 - Saasveld Forestry College (3357S 2231E): **TM**: 30698, 30699, 30700, 30701, 30702, 30703, 30704, 30705, 30706, 30707 - Spionkop Lodge (28 41 42 S 29 32 08 E, 1140 m): **DNSM**: 6921, 6922, 6923, 6924 - Spring Grove: **NM**: 1462, 1475, 1476, 1477 - Steynsburg (31.26S 25.57E): **KM**: 25648 - Stolznek house (2520S 3120E): **TM**: 35455, 35456 - Stormsriver State Forest Station (3358S 2353E): **TM**: 29757, 29758, 29759, 29760, 29761, 29762, 2977, 29771, 29772, 29773, 29778, 29779, 29780, 29781 - Suikerbosrand [=Suikerboschrand] Nature Reserve (2630S 2813E, 1668 m): **TM**: 44916 - Thaba Nchu (2926Ba): **NMB**: 2952, 2953, 2954 - Transvaal: **RMNH**: MAM.35877 - Transvaal Museum workshop (254348S 281048E): **TM**: 20141, 28449, 42206, 45328 - Twee Rivieren (2627S 2037E): **TM**: 15573 - Umbilo (29 53 21 S 30 59 04 E, 22 - 195 m): **DNSM**: 8915 - University of Durban (29 49 02 S 30 56 43 E, 125 m): **DNSM**: 7241 - University of Natal (29 52 02.75 S 30 58 39.93 E, 143m): **DNSM**: 4710 - University of Pretoria, Zoology Building (254513.06S 281349.9E, 1370m): **ROM**: 78124 - Van Reenen (28 22 00 S 29 23 00 E, 1638 m): **DNSM**: 7240 - Van Wyksvlei (ca. 3017S 2152E): **TM**: 8310, 8311, 8312, 8313, 8314, 8315 - Ventersburg (2827Ab): **NMB**: 1799 - Venterskroon (26 52 48 S 26 16 12 E): **TM**: 2073, 2074 - Victoria West (31.4S 23.12E): **KM**: 24766 - Vredefort (2627Cd): **NMB**: 3170, 5890 - Vryburg (2652S 2437E): **TM**: 5261, 5262, 5263, 5264, 5265, 5266 - Warden (2729Cd): **NMB**: 7709, 7716, 7717, 7718, 7722 - Warmbad, 2 mi E: **ROM**: 91253 - Waterberg, Farm Platbos (2413S 2752E): **TM**: 24748 - West Coast National Park, Geelbek (3311S 1807E): **TM**: 40847, 40849 - William's Town, S (33.04S 27.23E): **KM**: 24407 - Woodlands Herberts Hope (32.87S 26.12E): **NHMZ**: 62875 - Zwelitsha (32.72S 27.29E): **KM**: 19089.

South Sudan:

Tonga (09 29 13 N 31 02 16 E, 360 m): **NMW**: 8406 (Syntype *Nyctinomus (Nyctinomus) tongaënsis*), 8407 (Syntype *Nyctinomus (Nyctinomus) tongaënsis*).

Sudan:

Sennar (13 33 N 33 38 E, 390 m): **MNHN**: ZM-MO-1999-763, ZM-MO-1999-764.

Swaziland:

Unknown locality: **BMNH**: 1989.45 - Byrhytes mine (26 13 S 31 02 E, 1300 m): **TM**: 45538 - Forbes Gold Mine [=Forbes Reef Gold Mine] (2609S 3106E): **TM**: 47723 - Nsoko [=Forbes Ranch] (270200S 315700E): **TM**: 45778.

Tanzania:

Mkomazi Game Reserve (04 10 00 S 38 10 00 E): **MSU**: MR.15609 - Serengeti Research Institute (02 20 S 34 50 E): **BRTC**: 55696 - Tanga region: **SMF**: 79544.

Uganda:

Karamoja: **ROM**: 48555, 48556, 48557, 48558, 48559, 48560, 48561, 48562, 48563, 48564, 48565, 48566, 48567, 48568, 48569, 48570, 48571, 48572, 48573, 48574, 48575, 48576, 48577, 48578, 48579, 48580, 48581, 48582, 48583, 48584, 48585, 48586, 48587, 48588, 48589, 48590 - Mount Moroto: **ROM**: 59210, 59211, 59212, 59213, 59214, 59215, 59216, 59217, 59218, 59219, 59220, 59221.

Zambia:

Kalomo, 24 km E (17.0S 26.25E): **NHMZ**: 30893.

Zimbabwe:

Unknown locality: **BMNH**: 1955.1071, 1955.1073, 1955.1074, 1955.1075, 1955.1076, 1955.1077, 1955.1078, 1955.1079, 1955.1080, 1955.1081, 1955.1082, 1961.1085, 1961.1087; **MMK**: MAM/2241, MAM/2246 - Bubye R., Chikwarakwara (22.35S 31.1E): **NHMZ**: 84195 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 55621 - Chikombedzi (21.62S 31.62E): **NHMZ**: 60000 - Chikupo Caves (1723S 3117E): **TM**: 34838 - Chikupu [=Chikupo] Caves (17 23 S 31 17 E): **NHMZ**: 313S3 - Chikwarakwara, Pesu R Gorge (22.28S 31.2E): **NHMZ**: 60014, 84094 - Chiredzi, Lone Star Ranch (21.12S 31.87E): **NHMZ**: 59936 - Chizarira NP, Mucheni Gorge (17.5S 27.75E): **NHMZ**: 64809 - Dibutibu R, Batoka (17.94S 26.12E): **NHMZ**: 30555 - Eirene farm (18 23 S 31 37 E): **NHMZ**: 59974 - Esigodini, Falcon College (20.22S 28.92E): **NHMZ**: 30697 - Gem Farm, Beitbridge (21.87S 29.62E): **NHMZ**: 59304 - Gonarezhou NP, Chipinda Pools (21.27S 31.9E): **NHMZ**: 59425 - Guhudza Mountain, Chivi (20.58S 30.67E): **NHMZ**: 30081 - Harare (17.83S 31.07E): **NHMZ**: 82293 - Hoya River Camp, Muzarabani (16.25S 31.25E): **NHMZ**: 84365 - Hwange NP, Inyantue (18.5S 26.5E): **NHMZ**: 59931 - Lake McIlwaine (17.9S 30.78E): **NHMZ**: 59979 - Lutope-Ngolangola R Confluence (18.28S 28.08E): **NHMZ**: 33621 - Malapati (21.88S 31.38E): **NHMZ**: 55657 - Mangwe, Vashu Farm (20.87S 28.12E): **NHMZ**: 59935 - Matobo Hills, Diana's Pool (20.47S 28.87E): **NHMZ**: 30496 - Matobo Hills, Lumane Valley (20.58S 28.83E): **NHMZ**: 30674 - Matobo Hills, Totololo R. (20.55S 28.83E): **NHMZ**: 30466 - Matobo NP, Lower Outspan (20.62S 28.62E): **NHMZ**: 60002 - Murehwa Caves (17.62S 31.78E): **NHMZ**: 32484 - Nyadire River Camp, Pfungwe (16.75S 32.25E): **NHMZ**: 84284 - Nyandia Dam (17.0S 32.0E): **NHMZ**: 84260 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32606 - Salisbury, Borrowdale Road (1749S 3102E): **TM**: 12587 - Samalanga Pan (17.95S 27.82E): **NHMZ**: 33727 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 33444; **TM**: 34891 - Sentinal Ranch (2210S 2930E): **TM**: 41616 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 29570, 30813 - Shangani Bridge, Lubimbi (18.62S 27.37E): **NHMZ**: 32022 - West Nicholson (2104S 2922E, 819 m): **BMNH**: 1961.1086.

Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)

Algeria:

Tamanrasset, 55 km N (32.2N 5.533E): **USNM**: 482170.

Egypt:

Unknown locality: **FMNH**: 85711, 85712, 85713, 85714, 85715, 85716, 85717, 85718, 85719; **USNM**: 312824, 312825, 312826, 312827, 312828 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 79276, 79277, 79278, 79279, 79281, 79282, 79678, 79679, 79680, 80771, 80772, 80773, 91481; **USNM**: 312821, 312822, 312823 - Giza Pyramids (29 58 N 31 07 E): **FMNH**: 91482; **USNM**: 368839.

Kenya:

Unknown locality: **BMNH**: 1975.2661_1, 1975.2661_2, 1975.2663_1, 1975.2663_2, 1975.2663_3; **RMNH**: MAM.25811, MAM.25813, MAM.25814, MAM.25815, MAM.25816, MAM.25817, MAM.25818, MAM.27193, MAM.27194, MAM.27195, MAM.27196, MAM.27197, MAM.27198, MAM.27199, MAM.27200, MAM.27201, MAM.27202, MAM.27203, MAM.27204, MAM.27205, MAM.27206, MAM.27207, MAM.27208, MAM.27209, MAM.27210, MAM.27211, MAM.27212, MAM.27213, MAM.27214, MAM.27215, MAM.27216, MAM.27217, MAM.27218, MAM.27219, MAM.27220, MAM.27221 - Jula Farm: **USNM**: 166656 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **USNM**: 351088 - Kiboko, 10 mi [= 16 km] E (ca. 02 16 S 37 49 E): **USNM**: 351089 - Kiboko, 2 mi [= 3.2 km] NW (ca. 021100S 374300E, 914 m): **FMNH**: 153027, 153028 - Kiboko, 3 mi [= 4.8 km] W (ca. 021100S 374300E): **FMNH**: 153029, 153030, 153031, 153032, 153034, 153035, 153036, 153037, 153038, 153039, 153040, 153041, 153042 - Kiboko, 3 mi E (ca. 021100S 374300E, 914 m): **USNM**: 351086, 351087 - Maungu (61m): **ROM**: 68512 - Ortum (0121N 3521E, 600 m): **ROM**: 65840, 65841, 65842, 65843, 65844, 65891, 65892, 65893, 65894, 65895 - Simba River (0230S 3753E, 1200 m): **ROM**: 68371, 68372, 68373 - Sultan Hamud (020100S 372200E, 1318 m): **AMNH**: 217023 - Thika, near (ca. 01 03 S 37 05 E): **ROM**: 68368, 68369, 68370.

South Africa:

King William's Town (32 53 00 S 27 24 00 E, 363 m): **AMNH**: 146787 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **KU**: 135025, 135876, 135887 - Umzumbi Mission (30 34 00 S 30 26 00 E): **AMNH**: 81864.

South Sudan:

Lokwi (040628N 324314E, 1487 m): **FMNH**: 74123, 74124, 74125, 74126, 74127, 74128, 74129, 74130, 74131, 74132, 74133, 74134, 74135, 74136, 74137, 74138, 74139, 74140.

Tadarida aegyptiaca bocagei (Seabra, 1900)

Angola:

Unknown locality: **BMNH**: 1904.1.4.3 - Huila (15.13S 13.63E): **FMNH**: 83613.

Botswana:

Molepolole (2424S 2531E, 1189 m): **AMNH**: 168172, 168173 - Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S (18 33 S 21 02 E): **USNM**: 425390 - Tsodilo Hills (1845S 2146E): **USNM**: 425391, 425392, 425393, 425394, 425395, 425396, 425397, 425398, 425399, 425400.

Lesotho:

Hermon (2944S 2707E, 1450 m): **USNM**: 142548 - Seribe: **USNM**: 142549.

Mozambique:

Aldeia Chiuta [= Chiuta, Chuta] (153344S 331723E, 700m): **USNM**: 365481, 365482, 365483, 365484, 365485, 365486, 365487, 365488, 365489, 365490, 365491 - Chiutu (15.57S 33.28E): **USNM**: 365480.

Namibia:

Kriess/white Rand (?) (2502S 1813E): **FMNH**: 80906 - Mount Brukaros (2552S 1748E): **USNM**: 256931, 256932, 256933, 256934, 256935, 256936, 256937, 256938, 256939, 256967, 256970.

South Africa:

Clanwilliam (321100S 185400E, 67 m): **AMNH**: 244307 - Grahamstown (33 18 S 26 32 E, 500 m): **MCZ**: 25173, 25174 - Middletown: **USNM**: 113443, 113445, 113446 - Modderfontein, farm (29 41 S 17 48 E): **USNM**: 342660, 342661, 342662, 342663 - Norvalspont (3038S 2527E, 1296 m): **USNM**: 424106, 424107, 424108, 424109, 424110, 424111 - Potchefstroom (2642S 2705E, 1341 m): **USNM**: 156339 - Transvaal: **ZMA**: MAM.06633, MAM.06634 - Transvaal province: **MCZ**: 33964 - Victoria West (312400S 230700E, 1275 m): **AMNH**: 244308, 244309, 244310.

Zambia:
Mazabuka Boma (1552S 2746E, 1101 m): **BMNH**: A-1682, A-1685, A-1686, A-1687, A-1688, A-1689, A-1690, A-1691, A-1692, A-1693, A-1694, A-1695, A-1696.

Zimbabwe:
Chikupo Caves (1723S 3117E): **ROM**: 64568, 64569, 64587 - Kilworth Estate (1750S 3047E): **ROM**: 64765, 64766, 64767, 64768, 64769, 64770, 64771, 64772, 64773, 64774, 64775, 64776, 64777, 64778 - Retreat Farm (2014S 3102E): **ROM**: 64981, 64982.

Tadarida fulminans (Thomas, 1903)

"Africa":
Unknown locality: **CM**: 98097; **USNM**: 437310, 437311.

Congo (Democratic Republic of the):
Rumangabo (01 21 28 S 029 22 09 E, 1587 m): **INPBC**: V1234.

Kenya:
Kanyangareng (01 47 00 N 35 08 00 E, 607-900 m): **ROM**: 40278 - Mara River: **ROM**: 41771 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **USNM**: 351074 - Ortum (0121N 3521E): **ROM**: 65839 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **WNMU**: 6815 - Suam River (0128N 3501E): **ROM**: 38249.

Madagascar:
Fianarantsoa (21 26 00 S 47 05 00 E, 1156 m): **BMNH**: 1882.3.1.34 (Holotype *Nyctinomus fulminans*) - Fianarantsoa province: **FMNH**: 166074.

Malawi:
Likabula river (16 01 00 S 34 47 00 E, 1200 m): **HZM**: 7.15089.

Mozambique:
Aldeia Chiuta [= Chiuta, Chuta] (153344S 331723E, 700m): **USNM**: 365472, 365473, 365474, 365475 - Mount Mecula (12 04 48 S 37 38 24 E, 1227 m): **DNSM**: 13452 - Ribaue, 27 km W (14 58 15 S 38 04 46 E, 586 m): **DNSM**: 8619 - Vila Gouveia (18.07S 33.18E): **USNM**: 365476, 365477, 365478.

Namibia:
Nama pan [=Nama dam] (1955S 2043E): **TM**: 39797.

Rwanda:
Nyakibanda (023800S 294100E, 2067 m): **RMCA**: 23748 - Nyanza (02 27 S 29 36 E): **RBINS**: 15494 - Rukara (014755S 303002E, 1625 m): **RMCA**: 37970, 37971, 37972, 37973, 37974, 37975, 37976, 37977, 37978, 37979, 37980, 37981, 37982, 81.012-M-0047, 81.012-M-0103, 81.012-M-0104.

South Africa:
Levuvhu bridge (2225S 3111E): **TM**: 37033 - Levuvhu River (2226S 3111E): **TM**: 36474 - Old Picnic Site (22 25 18 S 31 12 49 E): **KNP**: 168 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 37083.

Tanzania:
Lindi region: **SMF**: 79543.

Zimbabwe:
Unknown locality: **BMNH**: 1993.80, 1993.81; **TM**: 9980 - Batoka Gorge (1726Cc): **NHMZ**: 29727 - Bindura (1723S 3117E): **TM**: 9978, 9979 - Chikupo cave (1723S 3117E): **TM**: 34819, 34821, 34822, 34823, 34824, 34825, 34826, 34827, 34828, 34829, 34830, 34831, 34832, 34833, 34834, 34835, 34836, 34837 - Chikupo Caves (1723S 3117E): **TM**: 34820, 9976 (Holotype *Nyctinomus mastersoni*) - Chikupu [=Chikupo] Caves (17 23 S 31 17 E): **DNSM**: 3688, 3689; **NHMZ**: 30100, 30114, 30188, 30189, 30190, 30191, 30193, 30194, 30195, 30196, 30218, 30219, 30497, 30498, 30499, 59927, 59928, 59929, 59930, 82251, 82252, 82253, 82254, 82255, 82259, 82260, 82261, 82262, 82263, 82264; **ROM**: 64580, 64581, 64584, 64585, 64586, 64589 - Chinhoyi Caves (17 22 00 S 30 12 00 E, 1186 m): **HZM**: 4.3898 - Chivi Communal Land (2030Da): **NHMZ**: 30028, 30080 - Harare (17.83S 31.07E): **HZM**: 3.3881 - Harare (1731Cc): **NHMZ**: 30197, 30198, 30199, 30200, 30201, 30202, 30203, 30204, 30212, 30216, 30217, 30470, 30471, 30472, 59916, 62863, 82246, 82249, 82256, 82257, 82258 - Harare, Cleveland Dam (17.75S 31.0E): **NHMZ**: 30205 - Harare. Cleveland Dam (17.75S 31.0E): **NHMZ**: 82265 - Lutope and Sengwa Rivers confluence (ca. 1810S 2813E): **NHMZ**: 33605 - Mazoe (1730Db): **NHMZ**: 59923 - Nyadiri River (1704S 3207E): **NHMZ**: 32621 - Nyandia Dam (1705S 3208E): **NHMZ**: 84237, 84238, 84249, 84250 - Sengwa Wildlife Research Station (1810S 2813E): **ROM**: 83980.

Tadarida lobata (Thomas, 1891)

Kenya:
Kaibibich (01 10 N 35 22 E, 2250 m): **BMNH**: 1970.727 - Kapenguria (011400N 350700E): **ROM**: 67958 - Maungu (61m): **ROM**: 77527, 77528 - Maungu Hill: **ROM**: 68089, 68090 - Maungu Hill (0338Da): **NHMZ**: 65195 - Maungu Hill (610 m): **ROM**: 68107, 68108, 68109, 68358, 68359, 68488, 68489, 68490, 68491, 68492, 68493, 68494, 68495, 68496, 68497, 68498, 68499 - Nyangala hill (0337S 3844E): **ROM**: 71172, 71173, 71174, 71188, 71219 - Pyramid Camp (00 18 34 N 36 04 34 E): **MMU**: PWW2718 - Sigor, 1 mi [= 1.6 km] SE (ca. 01 29 N 35 29 E): **MVZ**: 142037 - Turkwell Gorge (0154N 3522E): **BMNH**: 1893.2.3.7 (Holotype *Nyctinomus lobatus*) - Voi, 30 km SE (0334S 3846E): **ROM**: 77522, 77523, 77524, 77525, 77526.

Tanzania:
Zanzibar (06 10 S 39 20 E): **ZMB**: 4665.

Zimbabwe:
Harare (1753S 3105E): **HZM**: 1.4244 - Harare, Borrowdale Brook (1731Ca): **NHMZ**: 59926 - Mutoko Communal Land, Nyandia Dam (1705S 3208E): **NHMZ**: 84251, 84252, 84267 - Nyashato Dam (1707S 3207E): **NHMZ**: 32587, 32588, 32589, 32590, 32591.

Tadarida teniotis (Rafinesque, 1814)

Algeria:
Unknown locality: **MNHN**: ZM-AC-A6841.

Egypt:

Unknown locality: **BMNH**: 1903.11.3.2, 1903.11.3.3, 1903.11.3.4, 1908.4.17.15, 1908.4.17.16, 1908.4.17.17, 1908.4.17.18, 1908.4.17.19; **FMNH**: 85720, 85721, 85722, 85723, 85724, 85725, 85726, 85727, 85728, 85729, 85730, 85731, 85732, 85733; **NMW**: 27416; **RMNH**: MAM.35954; **SMF**: 12379 (Paralectotype *Dysopes rüpelii*), 12380 (Lectotype *Dysopes rüpelii*); **USNM**: 312841, 312842, 312843, 312844, 312845, 312846, 312847, 312848, 312849, 312850 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 74527, 74528, 74529, 74530, 74531, 74532, 74533, 74534, 74535, 74536, 75056, 79280, 79283, 79284, 79285, 79286, 79287, 79288, 79681, 79682, 80763, 80764, 80765, 80766, 80767, 80768, 80769, 80770, 91472, 91473, 91474, 91475, 91476, 91477, 91478, 91479, 91480; **USNM**: 312834, 312835, 312836, 312837, 312838, 312839, 312840, 312851, 368840, 368841, 368842, 368843 - Abu Rawash, 5 km W (ca. 300205N 3105E): **FMNH**: 80759, 80760, 80761, 80762; **USNM**: 312830, 312831, 312832, 312833 - Abu Roash (30 02 44 N 31 05 33 E, 6 m): **BMNH**: 1903.4.1.1, 1903.4.1.2, 1903.6.3.1, 1903.6.3.2 - Aburoash (300244N 310533E, 6 m): **BMNH**: 1915.10.2.1 - Ain El Furtaga (29 02 44 N 34 33 10 E): **NMP**: 90524, 90525, 90526, 90529, 90530, 90531, 90532 - Cairo, near (ca. 29 58 N 31 07 E): **MSNG**: 44418; **USNM**: 143133 - Giza (30 00 29 N 031 12 39 E, 22 m): **BMNH**: 1903.4.1.3 - Gîza (300510N 311244E, 17 m): **BMNH**: 1923.1.14.3, 1923.1.14.4 - Giza Pyramids (29 58 N 31 07 E): **FMNH**: 79757; **USNM**: 298389 - Giza, near (ca. 30 05 10 N 31 12 44 E): **BMNH**: 1909.7.1.12 - Saqqara (29 51 N 31 13 E, 19 m): **USNM**: 312829.

Libya:

Sidi Mohammad Al Mablehut (32 27 58 N 21 00 08 E): **NMP**: 49928, 49929 - Wadi al Kuf (32 42 36 N 21 35 47 E, 330 m): **NMP**: 49912, 49913, 49914; **NMW**: 30159, 30160, 30161, 30162, 30163, 30164, 30165, 30166, 30167, 30168, 30169 - Wadi Darnah (32 42 06 N 22 36 40 E): **NMP**: 49881 - Wadi Jarjaroma: **NMW**: 30157, 30158.

Morocco:

Figuig (320700N 011337W): **BMNH**: 1963.1581, 1963.1582, 1963.1583, 1963.1584 - Foum Zguid (3004N 0652W): **USNM**: 470713, 470714, 470715 - Gorges du Dadès (31 31 N 05 56 W, 1750 m): **NMP**: 94454, 94455, 94456 - Kef Azigza cave (32 02 N 03 47 W, 1060 m): **EBD**: MAM 25785 - Souq l'Arba N. Ayt Ahmad (ca. 29 59 44 N 09 39 44 W): **EBD**: MAM 26016 - Tamtattouchte (31 40 12 N 05 31 48 W, 2247 m): **NMP**: 90078.

Sudan:

Sennar state: **SMF**: 78080.

Tadarida ventralis (Heuglin, 1861)

"Africa":

Unknown locality: **FMNH**: 143043.

Congo (Democratic Republic of the):

Alima (00 35 00 N 29 18 00 E): **RMCA**: 29241.

Eritrea:

Bogos (1546N 3830E): **SMNS**: 982 (Lectotype *Nyctinomus (Dysopes) ventralis*).

Kenya:

Isiolo (0020N 3736E): **LACM**: 32001; **ROM**: 83939 - Kanyangareng (01 47 00 N 35 08 00 E, 607-900 m): **ROM**: 40280 - Kongelai Escarpment, Tambala Falls (2134m): **FMNH**: 153043 - Makindu, 35 km E (0218S 3700E, 975 m): **ROM**: 59247 - Mara River: **ROM**: 41770 - Masol Location (0122N 3546E): **ROM**: 40166 - Maungu [= Marungu] (03 33 00 S 38 45 00 E, 61 m): **ROM**: 77530, 77532 - Menengai (00 12 00 S 35 58 00 E): **BMNH**: 1975.2657 - Nyangala hill (0337S 3844E): **ROM**: 71204, 71205, 71227, 71228 - Ortum (0121N 3521E): **ROM**: 38266, 38267, 38268, 65832, 65833, 65834, 65835, 65836, 65837, 65838 - Rongai, 5 km S (0011S 3552E): **ROM**: 73130 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 153044, 153045, 153046 - Suam River (0128N 3501E): **ROM**: 38302, 38303, 38305 - Tambala Falls (0128N 3501E): **ROM**: 38244 - Tambalal Falls (0128N 3501E): **ROM**: 38243, 38245, 38246, 38247, 38248, 38304 - Turkwell Gorge (0154N 3522E): **ROM**: 40279 - Voi, 30 km SE (0334S 3846E): **ROM**: 77529, 77531 - Wei Wei River (ca. 01 30 00 N 35 30 00 E): **ROM**: 38392.

Malawi:

Zoa Estate (16.13S 35.1E): **NMMB**: 267.

South Africa:

Lajuma Research Center (23 02 24 S 29 26 24 E, 1270 m): **DNSM**: 14680 - Transvaal: **BMNH**: 1875.11.19.1 (Holotype *Nyctinomus africanus*).

South Sudan:

Katire (0405N 3246E): **FMNH**: 73886, 73887, 74141, 74142, 74143.

Tanzania:

Kigwembinbi (0748S 3548E, 1600 m): **FMNH**: 173695 - Ndala (03 37 30 S 35 52 30 E): **HZM**: 4.6207, 4.6208, 4.6209; **SMF**: 45515.

Zambia:

Nylka NR (10.58S 33.65E): **NMZL**: 2253.

Zimbabwe:

Bumbusie Gorge (1826Ca): **NHMZ**: 59915 - Chivi Communal Land (2030Da): **NHMZ**: 29639 - Harare (1731Cc): **NHMZ**: 59924.

VESPERTILIONOIDEA Gray, 1821

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 88.044-M-0013, 88.044-M-0014, 88.044-M-0015 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 34156 - Bunkeya (10 24 00 S 26 58 00E, 1008 m): **RMCA**: 28802 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 92.079-M-0042, 92.079-M-0043, 92.079-M-0103, 92.079-M-0104, 92.079-M-0150 - Yalusaka (01 05 00 S 22 58 00 E, 420 m): **RMCA**: 27169, 27172.

Morocco:

Unknown locality: **RMCA**: 76.018-M-0001, 76.018-M-0002, 76.018-M-0003, 76.018-M-0004, 76.018-M-0005, 76.018-M-0006.

South Sudan:

Kabi stream (03 56 52 N 31 34 41 E, 929 m): **USNM**: 587022, 587023, 587031, 587644, 587647, 587648, 587650, 587651, 587671, 587678 - Kangapo Two Payam (03 43 45 N 31 34 17 E, 769 m): **USNM**: 587722, 587723, 587725,

587726, 587728, 587735 - Kombi stream, behind Reeder compound (03 55 58 N 31 36 17 E, 950 m): **USNM**: 587752, 587754, 587755 - Mogiri, Reeder Family Compound (03 56 09 N 31 36 29 E, 1024 m): **USNM**: 587634.

Cistugo lesueuri Roberts, 1919

Lesotho:

Liqhobong (28 57 59 S 28 35 16 E, 2250 m): **DNSM**: 14074 - Maseru (2928Ca): **NMB**: 7265, 7268, 7269, 7271, 7319, 7320, 7321, 7323 - Mokhotlong (2929Ac): **NMB**: 6887, 6888, 6898, 6899, 6900, 6901, 6902, 6903, 6908, 6910, 6911, 6912, 6913, 6988, 6989, 6992 - Pelaneng (2928Ab): **NMB**: 7036 - Sehlabathebe-NP (2951S 2906E): **KM**: 24805; **NMB**: 6685, 6696 - Sehonghong (2928Db): **NMB**: 8483, 8488 - Semonkong (2927Dd): **NMB**: 8289, 8290, 8291, 8292, 8293, 8294, 8295, 8296, 8297, 8298, 8299, 8301, 8302, 8303, 8304, 8305, 8306, 8307, 8308 - Thaba-Tseka (2928Da): **NMB**: 8158.

South Africa:

Algeria Forest Research Station (32.4S 19.13E): **MMK**: MAM/2496 - Ararat, Sterkfontein Dam Nature Reserve (2828Bb): **NMB**: 7847 - Cederberg, Algeria State Forest, campsite (3221S 1903E): **SAMC**: 41458; **TM**: 35121, 35152, 35172, 38422, 38423, 38424, 38428 - Ceres, near: **TM**: 2286 (Holotype *Cistugo lesueuri*) - Clarens, near (ca. 28 28 00 S 28 26 00 E): **DNSM**: 88 - Farm Schaapplaats 930 (2728Dd): **TM**: 48190 - Farm Waterval 747 (2729Cc): **NMB**: 7700, 7703, 7705, 7706, 7708, 7710, 7711, 7712, 7713, 7714, 7715, 7731, 7732 - Golden Gate (2828Bc): **NMB**: 7902 - Hout Bay (340200S 182100E, 34 m): **AMNH**: 244302 - Jonkershoek (3318DD): **KM**: MYO-001J - Kaffaria: **KM**: 2070 - Kaggasmoudt (3207S 2637E): **KM**: 2024, 2025, 2026, 2028, 2029, 2032, 2041, 2042, 2051, 2052 - Kamberg Valley (29 45 04 S 29 21 49 E): **DNSM**: 7504 - Karoo-NP (3220S 2233E): **TM**: 29511 - Mazelsfontein (2923BA): **KM**: MYO-002J - Rocherpan (3218CB): **KM**: 26055 - Saasveld Forestry College (3357S 2231E): **TM**: 29310 - Schaapplaats, Farm 930 (27 55 42 S 28 58 21 E): **NMB**: 7394 - Tierkloof, Bushcamp (33 44 30 S 21 53 30 E): **SAMC**: GB-16/00.

Cistugo seabrae Thomas, 1912

"Africa":

Unknown locality: **SMW**: CGC-6785.

Angola:

Namibe [=syn Mossamedes, Mocamedes] (1556S 1209E): **BMNH**: 1906.1.3.3 (Holotype *Cistugo seabræ*).

Namibia:

Aus, 3 km W (26.65S 16.22E): **SMW**: 11197 - Berseba (2559S 1747E, 3067 ft): **BMNH**: CN510, CN591 - De Valle (24 18 S 16 18 E): **SMW**: 10538 - Farm Zwartmodder 101 (2454S 1617E): **TM**: 37587, 37610, 37611, 37612, 37613 - Goodhouse (2848S 1815E): **MCZ**: 39632 - Gorraris 99 (24.88S 16.38E): **SMW**: 4392 - Jack Scott Bridge (2054S 1328E): **TM**: 31277 - Klein Aus Farm 8 (2639S 1613E): **TM**: 37541, 37542, 37543, 37544, 37549, 37550, 37561, 37562, 37563, 377549 - Orumpembe (18.18S 12.52E): **LACM**: 59088 - Skeleton Coast NP (20.88S 13.63E): **SMW**: 9757 - Zwartmodder 101 (24.88S 16.38E): **SMW**: 11263.

South Africa:

Augrabies Falls NR (28.6S 20.33E): **MMK**: MAM/7051 - Farm Northern Kakamas, behind cottages at Khamkirri (2839S 2026E): **TM**: 47581, 47582, 47584 - Goegab (2918CA): **KM**: MYO-003J, MYO-004J - Goodhouse (2854S 1815E): **KM**: 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889 - Springbok, 10 km (29.67S 17.87E): **USNM**: 342632 - Steyerskraal (2819CB): **KM**: MYO-049J, MYO-050J, MYO-051J.

Miniopterus Bonaparte, 1837

"Africa":

Unknown locality: **SAMC**: 38559 - S-Africa: **ZMB**: 53853, 53854.

Algeria:

Algiers (36 45 47 N 03 03 02 E, 0 m): **ZMB**: 55119 - no specific locality: **ZMB**: 3605, 74743, 74744, 74745.

Angola:

Huila (15.13S 13.63E): **FMNH**: 84133, 84134, 84135 - Jau (1513S 1331E, 1660 m): **FMNH**: 84125, 84126, 84127, 84128, 84129, 84130, 84131, 84136, 84137, 84138, 84139, 84140, 84141, 84142, 84143, 84144, 84145.

Comoros:

Anjouan Island (12 15 S 44 25 E): **ZMB**: 4909 - Bambao (12 11 56 S 44 31 06 E, 19 m): **ZMB**: 66972.

Ethiopia:

Unknown locality: **BMNH**: 1937.2.4.18.

Gabon:

Batouala (00 48 N 13 26 E, 489 m): **ZMA**: MAM.08363, MAM.19687.

Kenya:

Unknown locality: **BMNH**: 1989.116, 1989.117 - Kakamega (0 17 00 N 34 47 00 E, 1523 m): **WAM**: M16509 - Kampiva Samdet, near (0038N 3617E): **YPM**: MAM 003445 - Kit Mikayi (00 07 04 S 34 32 28 E): **MMU**: PWW2981 - Koru (00 11 S 35 16 E, 1980 m): **WAM**: M23217 - Lake Jipe (0336S 3746E, 884 m): **MSU**: MR.11559 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1860-2865 m): **MCZ**: 48906, 48907, 48908, 48909, 48910, 48911 - Mombasa (04 03 00 S 39 40 00 E, 0 m): **BMNH**: 1911.12.10.14, 1911.12.10.15, 1911.12.10.16, 1911.12.10.17, 1911.12.10.18, 1911.12.10.19, 1911.12.10.20, 1911.12.10.21 - Mount Loldiani (00 06 41 S 35 43 41 E): **WAM**: M16508 - Tsavo West National Park, NW of Kilaguni Lodge (ca. 02 53 58 S 38 03 18 E): **ZMA**: MAM.21070, MAM.21072.

Madagascar:

Unknown locality: **BMNH**: 1995.7, 1996.271; **FMNH**: 221423; **UADBA**: 33032; **ZMB**: 3854, 3993, 85591 - Ambohitantely (18 10 00 S 47 17 00 E, 1519 m): **FMNH**: 194162, 194164, 194168; **UADBA**: 43177, 43179, 43181 - Andalambeze cave: **MNHN**: ZM-MO-1984-1092, ZM-MO-1984-1093 - Andrambovato, 2 km NE (2130S 4727E, 550 m): **USNM**: 449306, 449307, 449308, 449309, 449310, 449311, 449312, 449313 - Andringitra National Park (22 09 24 S 46 52 32 E): **FMNH**: 151714, 151718 - Anjanaharibe sud (14.708917 S 49.462976 E): **FMNH**: 167450 - Anjozorobe, 13 km SE (ca. 18 29 45 S 47 56 43 E): **NMV**: C1700, C1701 - Befotaka (23 49 S 46 58 E, 800m): **FMNH**: 178616, 178618, 178622, 178623 - Betsileo (2210S 4504E): **ZMB**: 6012 - Fandanana (201400S 472300E, 1463 m): **FMNH**: 209178 - Grotte de Sarondrana [= Sarodrano] (23 30 37 S 43 44 07 E): **SAMA**: M13070 - Ifanadiana, 6 km SSW (2121S 4737E, 500 m):

USNM: 449289, 449290, 449291, 449292, 449293, 449294, 449295, 449296, 449297, 449298, 449299, 449300, 449301, 449302, 449303, 449304, 449305 - Kandreho (17 29 S 46 06 E, 241 m): **FMNH**: 194553 - Kianjavato, 4 km E by road (2123S 4754E, 125 m): **USNM**: 449288 - Maroantsetra, 20 km SW (1534S 4936E): **MNHN**: ZM-MO-1984-1028, ZM-MO-1984-1029, ZM-MO-1984-1030, ZM-MO-1984-1031, ZM-MO-1984-1032, ZM-MO-1984-1033, ZM-MO-1984-1034, ZM-MO-1984-1035, ZM-MO-1984-1036, ZM-MO-1984-1037, ZM-MO-1984-1038, ZM-MO-1984-1039, ZM-MO-1984-1040, ZM-MO-1984-1041, ZM-MO-1984-1042, ZM-MO-1984-1043, ZM-MO-1984-1044, ZM-MO-1984-1045, ZM-MO-1984-1046, ZM-MO-1984-1047, ZM-MO-1984-1048, ZM-MO-1984-1049, ZM-MO-1984-1050 - Maroantsetra, 40 km NW (1517S 4934E, 400 m): **MNHN**: ZM-MO-1947-294 A, ZM-MO-1947-294 B, ZM-MO-1947-294 C, ZM-MO-1947-294 D, ZM-MO-1947-294 E, ZM-MO-1947-294 F, ZM-MO-1947-294 G, ZM-MO-1947-294 H, ZM-MO-1947-294 I, ZM-MO-1947-296 A, ZM-MO-1947-296 B - Maroantsetra, near (ca. 15 26 S 49 44 E): **MNHN**: ZM-MO-1947-295 A, ZM-MO-1947-295 B, ZM-MO-1947-295 C, ZM-MO-1947-295 D, ZM-MO-1947-295 E, ZM-MO-1947-295 F, ZM-MO-1947-295 G, ZM-MO-1947-295 H, ZM-MO-1947-295 I, ZM-MO-1947-295 J, ZM-MO-1947-295 K - Marojejy (14 22 18 S 49 43 30 E): **FMNH**: 172602 - Mistinjo: **MNHN**: ZM-MO-1984-1019, ZM-MO-1984-1052, ZM-MO-1984-1053, ZM-MO-1984-1057, ZM-MO-1997-2130, ZM-MO-1997-2130 bis - Namoroka (162400S 451700E, 80 m): **FMNH**: 175843, 175845 - no specific locality: **ZMB**: 5621 - Nosy Bé (132000S 481500E): **FMNH**: 187771, 187772 - NW Madagascar: **ZMB**: 5925 - Sahafina (22 14 00 S 47 29 00 E): **FMNH**: 209162 - Sakana (1718S 4902E): **ZMB**: 54486, 54487, 54488, 54489, 54490, 54491, 54492, 54493, 54969, 54970, 54971, 54972, 54973, 54974, 54975, 54976, 54977, 54978, 54979, 54980, 54981 - Vatovavy (2124S 4757E, 150m): **USNM**: 449286, 449287.

Mozambique:

Gorongosa National Park, cave at alpine-forest interface (18 26 05 S 34 03 06 E): **FMNH**: 214878.

South Africa:

Unknown locality: **BMNH**: 1925.7.9.2 - KwaZulu-Natal province: **MNHN**: ZM-MO-1868-1393.

South Sudan:

Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586830, 586845, 586850 - Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586771.

Tanzania:

Ashanti-Geita (02 55 S 32 05 E): **FMNH**: 182723 - Kimboza Forest Reserve (070145S 374642E): **FMNH**: 183267, 183268 - Machaga cave (0617S 3924E, 21 m): **FMNH**: 198053 - Mahenge Scarp Forest Reserve (0837S 3643E, 780 m): **FMNH**: 182612, 182613 - Maua, 4 km N, 1.5 km W (0314S 3728E, 2042 m): **FMNH**: 174172 - Maua, 7 km N, 2.5 km W (0312S 3727E, 2469 m): **FMNH**: 174170, 174171 - New Dabaga/Ulangambi Forest Reserve (0804S 3555E, 1930 m): **FMNH**: 169538, 169539 - Nyumbanitu Forest (0751S 3622E, 1400 m): **FMNH**: 169536, 169537 - Nyumbanitu Forest (0751S 3622E, 1450 m): **FMNH**: 169545 - Udzungwa mountains (8.11317S 35.94733E): **FMNH**: 169544.

Tunisia:

Tebourba (3650N 0950E): **ZMB**: 11782, 11783, 55046 - Tebourba, cave near (3650N 0950E): **ZMB**: 74728, 74729, 74730, 74731, 74732, 74733, 74734, 74735, 74736.

Zambia:

Unknown locality: **BMNH**: 1968.1402 - Chisakila Area (ca. 15 54 00 S 28 41 00 E): **WAM**: M32684.

Zimbabwe:

Unknown locality: **BMNH**: 1926.12.1.8 - Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 88411, 88412.

Miniopterus horaceki Gunnell, Eiting, and Geraads, 2011

Libya:

Al Burdi (31 45 N 25 05 E): **NMP**: 49861 - Wadi Al Kuf (32 41 N 21 34 E): **NMP**: 49915 (Paratype *Rhinolophus horaceki*) - Wadi Darnah (32 42 06 N 22 36 40 E): **NMP**: 49879 (Paratype *Rhinolophus horaceki*), 49880 (Holotype *Rhinolophus horaceki*) - Wadi Darnah cave (32 41 N 22 36 E): **NMP**: 49882 (Paratype *Rhinolophus horaceki*).

Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009

Comoros:

along Mroni Koki River (1209.552S 4425.925E, 220m): **MHNG**: 1961.044 - near col de Patsi (1211.164S 4429.002E, 690m): **FMNH**: 194420, 194421 - Patsi (120920S 442614E, 220 m): **FMNH**: 194391, 194419.

Madagascar:

Unknown locality: **FMNH**: 221440, 221444; **UADBA**: SMG-16182 - Ambinda (18 01 41 S 44 29 45 E, 223 m): **FMNH**: 209243, 209244; **UADBA**: 48146, 48150 - Ambohitantely (18 10 00 S 47 17 00 E, 1519 m): **FMNH**: 194169; **UADBA**: 43172, 43175, 43176, 43178, 43180 - Ankarana (130500S 485500E): **UADBA**: 43932, 43933, 43934 - Causse de Namoroka (162400S 451700E): **FMNH**: 74190 - grotte (1846.984S 4453.505E, 470m): **FMNH**: 187790, 187791, 187792, 187793 - Grotte d'Andrafiabe, forêt près (12 55 54 S 49 03 24 E, 50 m): **FMNH**: 169725, 169726 - Grotte d'Ankelimahogo (1511.426S 4712.175E, 50m): **FMNH**: 184059, 184061, 184063, 184064, 184065, 184067, 184068, 184069, 184071 - Grotte du troisième canyon (12 54 51 S 49 03 20 E, 50m): **FMNH**: 176325, 176326, 176327, 176328 - Marojejy (14 22 18 S 49 43 30 E): **FMNH**: 172600 - Parc National de la Montagne d'Ambre (12 31 S 49 10 E, 1000 m): **UADBA**: 31950, 31951, 31954, 48629, 48630, 48631, 48632, 48634, 48635 - PN de Bemaraha, Ankidrodroa (1907.9S 4448.5E, 100m): **FMNH**: 172839, 172840, 172853, 172854 - PN de Bemaraha, Grotte d'Anjohimbazimba (1841.7S 4443.0E, 110m): **FMNH**: 169730 - PN de Bemaraha, south bank Manambolo River, near Tombeau Vazimba (1908.4S 4449.7E, 100m): **FMNH**: 172863, 172866, 172873, 172874 - PN de Bemaraha, Zohy Atsimo (1908.43S 4449.25E, 90m): **FMNH**: 172825 - PN de la Montagne d'Ambre, Station Forestiére des Roussettes (123137.3S 491019.1E, 1000m): **FMNH**: 202449, 202450, 202451, 202452, 202453, 202454, 202455 - Réserve Spéciale d'Ankarana, Canyon d'Antsiroandoa Centre (1255.1S 4907.6E, 120m): **FMNH**: 173067 (Holotype *Miniopterus aelleni*), 173069 (Paratype *Miniopterus aelleni*), 173070 (Paratype *Miniopterus aelleni*), 173072 (Paratype *Miniopterus aelleni*), 173075 (Paratype *Miniopterus aelleni*), 173076 (Paratype *Miniopterus aelleni*) - RNI de Namoroka, Grotte d'Ampidiranamhaja (1625.957S 4517.180E, 120m): **FMNH**: 178571, 178572, 178573 - RNI de Namoroka, near source of Mandevy River (1622.8S 4520.7E, 100m): **FMNH**: 175868, 175876, 175888 - RNI de Namoroka, site d'Andriabe (1624.4S 4518.4E, 110m): **FMNH**: 178566 - RNI de Namoroka,Forêt d'Ambovonomby (1628.2S 4520.9E, 200m): **FMNH**: 175836, 175837, 175842, 175848, 175857 - RS d'Ankarana, Ambahibe Cave (1258.060S 4907.231E, 100m): **FMNH**: 173100, 176316 - RS d'Ankarana, Andavaka

Ankohatra (1251.822S 4907.564E, 140m): **FMNH**: 183885 - RS d'Ankarana, Antsironandoha Cave (west) (1253.344S 4905.867E, 100m): **FMNH**: 173078, 173080, 173081, 173082, 173083, 173084, 173085, 173086 - RS d'Ankarana, Campement des Anglais [= Anilotra] (1254.5S 4906.6E, 125m): **FMNH**: 173063 - RS d'Ankarana, Grotte des Chauves-souris (1257.379S 4907.085E, 120m): **FMNH**: 173088, 173089, 173090, 173091, 173092, 173093, 173094, 173095, 173096, 173097, 173098, 173099, 176318, 176319, 176320, 176321, 176322 - RS d'Ankarana, in forest near Andrafiabe Cave (1255.9S 4903.4E, 50m): **FMNH**: 176323 - un named cave (145757.5S 471828.7E, 40m): **FMNH**: 184075, 184077.

Miniopterus africanus Sanborn, 1936

Eritrea:

Sciumagalle Mine (1523N 3851E, 2371m): **MVZ**: 100981, 100982, 100983, 100984, 100985, 100986, 100987, 100988, 100989, 100990, 100991, 100992, 100993, 100994, 100995, 100996, 100997.

Ethiopia:

Unknown locality: **BMNH**: 1970.492, 1971.606_01, 1971.606_02, 1971.606_03, 1971.606_04, 1971.606_05, 1971.606_06, 1971.606_07, 1971.606_08, 1971.606_09, 1971.606_10, 1971.609, 1972.246_01, 1972.246_02, 1972.246_03, 1972.246_04, 1972.246_05, 1972.246_06, 1972.246_07, 1972.246_08, 1972.246_09, 1972.246_10, 1972.246_11, 1972.246_12, 1972.246_13, 1972.246_14, 1972.246_15, 1972.246_16, 1972.246_17, 1972.246_18, 1972.246_19, 1972.246_20, 1972.246_21, 1972.246_22, 1972.246_23, 1972.246_24, 1972.246_25, 1972.246_26, 1972.246_27, 1972.246_28, 1972.246_29, 1972.246_30, 1972.246_31, 1972.246_32, 1972.246_33, 1972.246_34, 1972.246_35, 1972.246_36, 1972.246_37, 1972.246_38, 1972.246_39, 1972.246_40, 1972.246_41, 1972.246_42 - Sandford's Ranch (0955N 3756E): **FMNH**: 28765, 28766, 28767, 28768, 28769 (Holotype *Miniopterus africanus*), 28770 - Sof Omar cave (06 54 22 N 40 50 42 E, 1340 m): **NMP**: 92127, 92129.

Kenya:

Unknown locality: **BMNH**: 1973.533_1, 1973.533_2, 1973.533_3, 1973.533_4, 1973.533_5, 1973.533_6, 1973.533_7, 1975.2622_1, 1975.2622_2, 1975.2622_3, 1975.2622_4, 1975.2622_5, 1975.2622_6, 1975.2622_7, 1975.2622_8, 1975.2630_1, 1975.2630_2, 1975.2632, 1975.894, 1975.894_01, 1975.894_02, 1975.894_03, 1975.894_04, 1975.894_05, 1975.894_06, 1975.894_07, 1975.894_08, 1975.894_09, 1975.894_10, 1975.904_1, 1975.904_2, 1975.904_3, 1988.315, 1988.316, 1988.317, 1988.318; **FMNH**: 215688, 215697, 215719, BDP-5591, BDP-5600, BDP-5665 - Barberton Cave (0045N 3445E): **USNM**: 351056 - Busia (002800N 340600E, 1206 m): **AMNH**: 184358, 184359, 184366 - Devil's cave (0045N 3445E): **USNM**: 351058 - Diatomite mine (00 25 49 S 36 10 25 E): **MMU**: PWW2841; **ROM**: 36392, 36393, 36394, 36395, 36396 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **AMNH**: 238491; **USNM**: 351039, 351040, 351041, 351042, 351044, 351046, 351047 - Kakamega Forest Mine (0011N 3451E): **ROM**: 76037 - Kakamega Forest Station, 1 mi NE (0017N 3447E): **TTU**: 8295 - Kakamega Forest, 12.8 km SE (001600N 345300E): **USNM**: 351030, 351031, 351032, 351033, 351034, 351035, 351036, 351037, 351038, 351043 - Kariandusi mines (00 27 05 S 36 16 55 E): **MMU**: PWW2734, PWW2740, PWW2741, PWW2742, PWW2743, PWW2744, PWW2745 - Kilanguni Lodge (025400S 380400E, 914 m): **ROM**: 36391 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **ROM**: 68458, 68460 - Legatet Hill (0010S 3517E): **USNM**: 351048, 351049, 351050, 351051, 351052, 351053, 351054, 351055 - Mau Mau cave (00 13 01 S 37 08 14 E): **MMU**: PWW2738, PWW2739, PWW2772, PWW2773, PWW2774, PWW2775, PWW2776, PWW2777, PWW2778, PWW2779, PWW2780, PWW2782 - Menengai Crater (00 12 00 S 36 04 00 E, 1951 m): **ROM**: 75510, 75511, 75512, 75513, 75514, 75515 - Menengai Crater (00 12 00 S 36 04 00 E, 2103 m): **FMNH**: 152847, 152848, 152849, 152866, 152867, 152868 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1860-2865 m): **USNM**: 351014, 351015, 351016, 351017, 351018, 351019, 351057 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1981 m): **USNM**: 436816, 436817, 436818, 436819, 436820, 436821, 436822, 436823, 436824, 436825, 436826, 436827, 436828, 436829, 436830, 436831, 436832, 436833, 436834, 436835, 436836, 436837, 436838, 436839, 436840, 436841, 436842, 436843 - Mount Suswa (01 09 S 36 21 E, 1829 m): **USNM**: 351024, 351025, 351026, 351027, 351028, 351029 - Mount Suswa (01 09 S 36 21 E, 1859 m): **USNM**: 351020, 351021, 351022, 351023 - Mtito Andei (0240S 3810E, 769 m): **ROM**: 48602, 48697, 48698 - Nakuru (00 17 00 S 36 04 00 E, 1952 m): **ROM**: 36397, 36398, 36399, 36400, 76035, 76036, 76074, 76075 - Nakuru (001700S 360400E, 1952 m): **USNM**: 351059 - Nakuru Prison cave (ca. 001700S 360400E): **MCZ**: 59881 - Rongai, 5 km S (0011S 3552E, 1981 m): **ROM**: 73128, 73129.

Mozambique:

Gurue, 2.9 km N, 8.9 km E (1525S 3704E, 984 m): **FMNH**: 177152, 177153, 177154, 177155, 177156, 177157, 177158, 177159, 177160, 177161, 177162, 177163, 177164, 177165, 177166, 177167, 177168, 177169, 177170, 177171, 177172, 177173, 177219 - Murabue (152428S 370430E, 1111 m): **FMNH**: 177174.

Somalia:

Unknown locality: **BMNH**: 1987.88, 1987.89.

Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015

Madagascar:

Grotte des chauves-souris (18 10 52 S 47 17 21 E, 1500 m): **FMNH**: 221428, 221429, 229339, 229388, 229389, 229390, 229392, 229394, 229397, 229398, 229402; **UADBA**: 33033, 33034, 33037, 33038, 33039, SMG-18441.

Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009

Madagascar:

Ambanizana (village), 1.8 km S (15 38.291 S 49 57.944 E, 5 m): **FMNH**: 202523 - Andranomavo, 22 km NW (16 26.442 S 45 24.723 E, 120 m): **FMNH**: 175864 (Paratype *Miniopterus brachytragos*), 175865 (Paratype *Miniopterus brachytragos*), 175867 (Paratype *Miniopterus brachytragos*) - Andranomavo, 26 km NW (16 28.2 S 45 20.9 E, 200 m): **FMNH**: 175840 (Holotype *Miniopterus brachytragos*), 175846 (Paratype *Miniopterus brachytragos*), 175847 (Paratype *Miniopterus brachytragos*), 175850 (Paratype *Miniopterus brachytragos*), 175851 (Paratype *Miniopterus brachytragos*), 175852 (Paratype *Miniopterus brachytragos*), 175856 (Paratype *Miniopterus brachytragos*) - Andranomavo, 32 km NW (16 22.8 S 45 20.7 E, 100 m): **FMNH**: 175869 (Paratype *Miniopterus brachytragos*), 175870 (Paratype *Miniopterus brachytragos*), 175871 (Paratype *Miniopterus brachytragos*), 175872 (Paratype *Miniopterus brachytragos*), 175873 (Paratype *Miniopterus brachytragos*), 175874 (Paratype *Miniopterus brachytragos*), 175875 (Paratype *Miniopterus*

brachytragos), 175877 (Paratype *Miniopterus brachytragos*), 175879 (Paratype *Miniopterus brachytragos*), 175880 (Paratype *Miniopterus brachytragos*), 175881 (Paratype *Miniopterus brachytragos*), 175882 (Paratype *Miniopterus brachytragos*), 175883 (Paratype *Miniopterus brachytragos*), 175884 (Paratype *Miniopterus brachytragos*), 175885 (Paratype *Miniopterus brachytragos*) - Daraina (village), 7.5 km SW (13 15.3 S 49 37.0 E, 325-600 m): **FMNH**: 172685 (Paratype *Miniopterus brachytragos*), 172686 (Paratype *Miniopterus brachytragos*) - PN de Bemaraha, south bank Manambolo River, near Tombeau Vazimba (1908.4S 4449.7E, 100m): **FMNH**: 172867 (Paratype *Miniopterus brachytragos*) - Station Forestière d'Antanampoera, on trail to (13 26.835 S 48 20.466 E, 100 m): **FMNH**: 188651 (Paratype *Miniopterus brachytragos*).

Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011

Madagascar:

along Androka River (1538.053S 4958.114E, 5m): **FMNH**: 202522 - Brickaville, 9.5 km W (18 48 37 S 48 58 48 E, 50 m): **FMNH**: 209160 (Holotype *Miniopterus egeri*) - FOFIFA Station (75m): **FMNH**: 187663, 187664 - Foret de Sahafina (1848.442S 4858.924E, 105m): **FMNH**: 202474 - Foret de Sahafina (184837S 485848E, 50m): **FMNH**: 209159, 209161, 209168 - Kianjavato, 0.5 km N (2123S 4752E, 300 m): **USNM**: 448938 - Poste Forestier de Farankaraina (1525.694S 4950.717E, 50m): **FMNH**: 202519, 202520, 202521 - Vatovavy (2124S 4757E, 150m): **USNM**: 44203, 449202.

Miniopterus fraterculus Thomas and Schwann, 1906

Angola:

Jau (1513S 1331E, 1660 m): **FMNH**: 83601, 83602, 83603, 83604.

Burundi:

Giserama Colline (025027S 292507E, 2000 m): **FMNH**: 148984 - Mpinga cave (03 44 10 S 30 10 40 E, 1930 m): **MHNG**: 1607.077, 1607.078, 1607.079, 1607.082, 1607.098 - Nyamugari hill (0318S 2945E, 2590 m): **FMNH**: 148365, 148369, 148370, 148371, 148372, 148373.

Cameroon:

Bokwango (04 08 19 N 09 13 28 E, 877 m): **ROM**: 46838 - Bokwango (0409N 0912E, 1000m): **ROM**: 50902, 50903, 50904, 50905 - Boteke Village (0406N 0912E): **ROM**: 69063 - Boteke Village (0509N 0912E): **ROM**: 69084, 69086 - Buea station, 2 km S (0409N 0912E): **ROM**: 69008, 69012, 69013, 69014, 69016, 69029, 69030 - Buea, near (0409N 0912E, 1050m): **ROM**: 50896, 50897, 50898, 50899, 50900, 50901 - Gwando (0409N 0912E, 1067m): **ROM**: 46792, 46793, 46794, 46795, 46796, 46797, 46798.

Congo (Democratic Republic of the):

Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 49017, 49018, 49019 (Holotype *Miniopterus breyeri vicinior*), 49020, 49021, 49022, 49023, 49024, 49025, 49026, 49027, 49028, 49029, 49031, 49032, 51271, 51272; **MCZ**: 17380, 17381; **RMCA**: 12397 - Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V1766.1 - Bushokwe Caves (ca. 02 59 27 S 28 55 29 E): **MCZ**: 48263 - Butembo (0009N 2917E, 1381 m): **RBINS**: 7081, 7082, 7083, 7084 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 8124.1, 8124.2 - Hoyo, Mount (01 13 00 N 29 49 00 E, 1200 m): **RBINS**: 7085 - Ituri Forest (01 00 00 N 29 16 00 E): **RBINS**: 7475, 7476 - Kabatibi Cave (ca. 011300N 294900E): **BMNH**: 1960.108, 1960.109 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **RMCA**: 33533 - Matupi Cave (01 16 12 N 029 54 36 E, 3500 ft): **BMNH**: 1960.112; **RMCA**: 21464 - Mount Hoyo (01 13 00 N 29 49 00 E, 1200 m): **BMNH**: 1960.106, 1960.107, 1960.110, 1960.111 - Mugongo (01 30 S 29 20 E): **INPBC**: V1766.2, V1766.3 - Mulungu (02 19 00 S 28 48 00 E, 1159 m): **RMCA**: 15869 - Muvo, mount (01 14 S 29 18 E): **INPBC**: V1228.1, V1228.2, V1228.3, V1228.4 - Niambasha (02 07 00 S 28 54 00 E): **RMCA**: 28034b - Talatala (01 15 N 29 50 E, 1170 m): **RBINS**: 7096.

Kenya:

Diatomite mine (00 25 49 S 36 10 25 E): **MMU**: PWW2838, PWW2839, PWW2840, PWW2916, PWW2917, PWW2919 - Hunter's Lodge, near (02 12 41 S 37 42 55 E, 1067 m): **ROM**: 81212, 81214 - Kilanguni Lodge (025400S 380400E, 914 m): **ROM**: 36402, 36420 - Lion Hill cave (00 21 S 36 08 E): **MCZ**: 59880 - Makindu (0217S 3749E, 1070 m): **ROM**: 81215 - Rift Valley: **CM**: 98058.

Madagascar:

Unknown locality: **SMF**: 82221, 82222.

Malawi:

Zomba Plateau (15 22 S 35 19 E, 5000 ft): **AMNH**: 161920, 161921, 161922, 161923, 161924, 161925, 161926, 161927; **KM**: 11747.

Mozambique:

Mezimbite (19 35 S 34 43 E): **USNM**: 365456 - Nogochene caves (ca. 2141S 3452E): **AMNH**: 216222, 216223, 216224, 216225, 216226, 216227, 216228, 216229, 216230 - Save River, 15 km from mouth (2057S 3505E): **TTU**: 8296, 8297.

Nigeria:

Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 86049 - Wikki (09 46 10 N 10 31 58 E): **ROM**: 86043, 86062.

Rwanda:

Mutura (013556S 292256E, 2370 m): **RMCA**: 82.006-M-0328, 82.006-M-0329, 82.006-M-0330, 82.006-M-0331, 82.006-M-0332, 82.006-M-0333, 82.006-M-0334, 82.006-M-0335, 82.006-M-0336, 82.006-M-0337, 82.006-M-0338, 85.006-M-0152, 85.006-M-0153, 85.006-M-0154, 85.006-M-0155, 85.006-M-0156, 85.006-M-0157, 85.006-M-0158.

South Africa:

Boegoeberg Dam, 0.5 mi E (2903S 2212E): **USNM**: 424104 - Buffalo mine (25 46 S 31 03 E): **TM**: 1994 - Cinnabar mine (254836S 310036E): **TM**: 1993 - De Hoek Forest Station (2349S 3001E, 4500ft): **TM**: 42120 - Dumisa Gold Mine (30 16 05 S 30 26 29 E, 685 m): **TM**: 30138 - Empisini Nature Reserve (30 12 S 30 48 E, 19 m): **DNSM**: 5604 - Entabeni State Forest (23 02 07 S 30 11 33 E): **TM**: 41637, 41638, 41639 - Farm Doornpan (27 34 12 S 31 14 05 E): **TM**: 31810, 31811, 31812, 31813 - Farm Goedhoek [=Goudhoek] (2823S 3104E): **TM**: 36410 - Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave (24 37 05 S 27 39 08 E): **BRTC**: 20896 - Farm Sterkspruit 412KT (24 37 S 30 37 E): **TM**: 46451, 46486 - Farm Sudwalaskraal 271JT (2522S 3037E): **TM**: 46447 - Farm Victoriaspoort 18IT (2607S 3022E): **TM**: 46375 - Ferncliff Bat Cave (29 32 S 30 20 E, 1000 m): **DNSM**: 12008, 14043, 14044, 14045, 14046, 14047, 14048 - Gardenia (ca. 2754S 2958E): **USNM**: 575289, 575290, 575291, 575292, 575293, 575294, 575295, 575296 - Harkerville Forest (34 02 59 S 23 13 03 E): **DNSM**: 8358, 8359 - Hella-Hella Game Valley Estates (2954S 3003E): **DNSM**: 6897 - Hilton Railway tunnel (29 31 S 30 18 E, 1140 m): **TM**: 36211, 36212, 36213, 36217, 36218, 36221, 36222,

36223, 36224 - John Nash Nature Reserve (25 54 S 27 46 E): **USNM**: 342641 - Karkloof Forests (29 24 S 30 17 E): **TM**: 25462, 25463 - Knysna (34.03S 23.05E): **SAMC**: 8946 - Knysna (340200S 230200E): **BMNH**: 1905.5.7.18 (Holotype *Miniopterus fraterculus*), 1905.5.7.22 (Topotype *Miniopterus fraterculus*) - Knysna (3402S 2303E): **TM**: 1103, 1104 - Kranzkloof Nature Reserve (29 46 S 30 50 E, 434 m): **DNSM**: 10034 - Krugersdorp (26.02S 27.73E): **KM**: 6062 - KwaZulu-Natal province: **SMF**: 55050, 55051 - Lebanon Sappi plantation (29 18 48 S 30 12 31.7 E): **TM**: 47112 - Letaba (23 51 16 S 31 34 17 E): **KU**: 135891, 135892 - Malelane Old Mine Shaft (ca. 2528S 3131E): **TM**: 47624 - Melmoth (28 35 S 31 23 E, 1000 m): **DNSM**: 8380, 8381, 8382, 8383, 8384 - Mooiplass Plantation (28.558196 S 31.165213 E): **DNSM**: 5108 - Mpumalanga province (245317S 304821E): **TM**: 47623 - Muggiesgat Cave (25 22 00 S 30 42 00 E, 845 m): **DNSM**: 12003 - Nelspruit, 4 mi E, 2 mi S (2529S 3059E): **USNM**: 381629, 381632, 381633, 381634 - Ngome Forest Reserve (27 52 00 S 31 24 45 E): **TM**: 39850, 39851 - Nico Smith Farm, 20 mi W Port Elizabeth (ca. 3358S 2533E): **AMNH**: 168167 - Nkandla Forest Reserve (28 43 25 S 31 07 40 E): **KM**: 23781 - Nkandla Forest Reserve (284325.31S 310739.8E): **DNSM**: 7841 - Nqubevu mine (2843S 3037E): **TM**: 36126, 36127, 36128, 36129, 36130, 36131, 36132, 36133, 36134 - Pongolapoort Dam (27 25 08 S 32 04 16 E, 122 m): **DNSM**: 9183, 9184 - Port Durnford Forest Reserve (28 53 S 31 51 E): **KU**: 135872, 135873 - Shongweni Dam (29 51 42 S 30 43 16 E, 290 m): **DNSM**: 6213, 7031, 7032, 7033, 7034, 8363, 8364, 8365 - Shongweni Resources Reserve (29 51 00 S 30 42 36 E): **DNSM**: 3513 - Stan Hope Mine (28 33 45 S 31 09 45 E, 864 m): **DNSM**: 14159, 14160, 14161, 14162 - Stutterheim, W (32.67S 27.29E): **KM**: 31807 - Town Bush (29 33 S 30 21 E): **KM**: 23799 - Town Bush Valley cave (29 31 00 S 30 18 00 E, 975 m): **HZM**: 1.1174 - Town Bush Valley, Town Bush Cave (29 31 00 S 30 18 00 E, 975 m): **AMNH**: 245203, 245204, 245206, 245207; **TM**: 30127, 30128, 30130, 33388, 33389, 33390, 33391, 36226, 36229, 36233, 36236, 36237, 36238, 36239, 36241 - Vernon Crooks Nature Reserve (303600S 301536E): **TM**: 29788, 29791.

Swaziland:

Byrhytes mine (26 13 S 31 02 E, 1300 m): **DNSM**: 5785 - Forbes Gold Mine [=Forbes Reef Gold Mine] (2609S 3106E): **TM**: 47722 - Nottinghill Mine (25 57 36 S 31 10 12 E): **DNSM**: 8050; **TM**: 8050 - Pigg's Peak Mine (ca. 2552S 3122E): **DNSM**: 8043 - Wylesdale Gold Mine (25 49 S 31 17 E, 542 m): **DNSM**: 8048.

Tanzania:

Tanga region: **SMF**: 83515, 85525, 85526, 86689, 87308, 90890, 90891, 91232, 91233, 91244, 92495, 92496, 92497, 92498.

Zambia:

Chipongwe Cave (15 41 00 S 28 14 00 E): **ROM**: 73999 - Missale (1405S 3258E): **ROM**: 35311, 35312 - Sasare Old Mine (1355S 3122E): **ROM**: 65070, 65071, 65072, 65073, 65074, 65075, 65076, 65077, 65078, 65079.

Zimbabwe:

Mashonaland West province: **SMF**: 86743 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **KU**: 135023; **ROM**: 64846, 64847, 64848, 64849, 64850, 64860, 64865 - Netridge Farm (20.12S 30.62E): **ROM**: 70848, 70850, 70852.

Miniopterus gleni Peterson, Eger and Mitchell, 1995

Madagascar:

Unknown locality: **FMNH**: 217954, 218031, 221331, 221333, 221334, SMG-17846, SMG-17847; **SMF**: 83522; **UADBA**: 32373, 32438, 43896, 43897, 49139, 50170, 50174, SMG-17368, SMG-17373 - Ambanizana (15 37 S 49 58 E, 255 m): **FMNH**: 202526, 202528, 202530, 202531, 202533, 202534, 202535, 202536, 202537 - Ambinda (18 01 41 S 44 29 45 E, 223 m): **FMNH**: 209250, 209251, 209252; **UADBA**: 48139, 48145, 48151 - Ankarana: **FMNH**: 176310 - Ankarana (130500S 485500E, 94 m): **FMNH**: 176309 - Antanamarina: **FMNH**: 179315 - Farankaraina (15.42853 S 49.842196 E): **FMNH**: 202524, 202525 - Grotte d'Ambatoharanana (12 59 18 S 49 01 18 E, 20m): **UADBA**: 33027, 33028, 33029, 33030 - in a marine cave between Sarodrano and Saint-Augustin: **ROM**: 42545, 42546, 42547, 42548, 42549, 42560, 42562, 42563, 42564, 42565, 42566, 42567 (Holotype *Miniopterus gleni*), 42568, 42569 - Maninday (22 47 S 44 48 E, 604 m): **ROM**: 42714 - Maroantsetra [= Bevato], 40 km NW (ca. 1517S 4934E, 400 m): **FMNH**: 74183, 74184, 74185, 74186, 74187 - Namoroka (1624S 4517E): **FMNH**: 175832 - Pointe Sarodrano (1317S 4812E): **ROM**: 42627, 42629, 42648, 42649, 42650, 42737 - Ranohira: **FMNH**: 175990 - Sarodrano (23 30 37 S 43 44 07 E, 0 m): **FMNH**: 202447, 202448, 209271, 209272, 209273; **UADBA**: 43216, 43217, 43218, 43219.

Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009

Madagascar:

Unknown locality: **FMNH**: 218063 - Androimpano caves (24 39.012 S 43 57.797 E, 110 m): **FMNH**: 184214 (Holotype *Miniopterus griffithsi*), 184215 (Paratype *Miniopterus griffithsi*), 184216 (Paratype *Miniopterus griffithsi*), 184236 (Paratype *Miniopterus griffithsi*) - Itampolo (24 41 S 43 57 E, 28 m): **FMNH**: 209274; **UADBA**: 43229 - Ranopiso, 20 km WNW and Amboasary, 12 km ENE (250500S 462800E): **USNM**: 577076 (Paratype *Miniopterus griffithsi*), 577077 (Paratype *Miniopterus griffithsi*), 577078 - Vitane (Vitany) cave (24 42 08.5 S 43 57 49.4 E, 25 m): **FMNH**: 184153 (Paratype *Miniopterus griffithsi*), 184154 (Paratype *Miniopterus griffithsi*), 184167 (Paratype *Miniopterus griffithsi*).

Miniopterus griveaudi Harrison, 1959

Comoros:

Unknown locality: **FMNH**: SMG-16760 - Anjouan Island (12 15 S 44 25 E): **FMNH**: 220055 - between Moya and Pomoni, Bouélaouvanga Tunnel along RN 23 (1217.632S 4425.632E, 5m): **FMNH**: 194432, 194433, 194434, 194435, 194436, 194437, 194457 - couloir souterrain et grotte sous coulée de Lave Niombadjée: **HZM**: 4.2804, 5.2805 - Grand Comoro Island (1145S 4320E): **BMNH**: 1967.1231 (Holotype *Miniopterus minor griveaudi*) - Grotte de Buemokolo (12 10 51 S 44 26 46 E): **FMNH**: 220054, 220056 - Grotte de Buémoukolo (1210.840S 4426.766E, 430m): **FMNH**: 194422, 194423, 194424, 194425, 194426, 194427, 194428, 194429, 194430, 194431, 194454, 194455, 194456 - Grotte de Hamapoudre (1212.415S 4430.033E, 230m): **FMNH**: 194401, 194402, 194403, 194404, 194405, 194406, 194407, 194408, 194409, 194410, 194411, 194412, 194413, 194414, 194415, 194452, 194453 - Lac de Dzialande (1213.497S 4425.884E, 890m): **FMNH**: 194399, 194400 - Moroni-Hahaia Airport entrance gate, 0.5 km N (11 31 46 S 43 16 38 E, 15m): **FMNH**: 194228, 194229, 194259, 194260, 194261, 194262, 194263, 194264, 194265, 194266, 194267, 194268, 194269, 194270, 194271, 194272 - Nioumbadjou cave (11 47 57 S 43 17 50 E, 611 m): **MNHN**: ZM-MO-1984-1020A, ZM-MO-1984-1020B, ZM-MO-1984-1020C, ZM-MO-1984-1020D, ZM-MO-1984-1020E - Nyamaoui Panga [= Panga Chilamouinani]

(11 24 26 S 43 16 58 E, 80 m): **FMNH**: 194283, 194284, 194285, 194286, 194287, 194288, 194289, 194290, 194291, 194292, 194293, 194294, 194295, 194296, 194297, 194298, 194299, 194300, 194301, 194302, 194303, 194304, 194309, 194310, 194311 - Panga Milembeni (1127S 4323E, 670 m): **FMNH**: 194538 - Panga Pachwa Meyembe (11 50 10 S 43 18 21 E, 200 m): **FMNH**: 194273, 194274, 194275, 194276, 194277, 194278, 194279, 194280, 194281, 194282 - Patsi (120920S 442614E, 220 m): **FMNH**: 194390, 194392, 194393, 194394, 194395, 194396, 194397, 194398, 194417, 194418 - Union des Comores: **FMNH**: 220045, 220048, 220049, 220052, 220060, 220061, 220062, 220063.

Madagascar:

Unknown locality: **FMNH**: 221337, 221340, 221344, 221354, 221411, 221413, 221418, 221419, SMG-17606, SMG-17612, SMG-17616, SMG-17674, SMG-17689, SMG-17753, SMG-17757; **SMF**: 89117, 89118, 89119, 89120, 89121, 89122, 89123, 89124, 89125; **UADBA**: 32944, 32950, 32960, 32962, 33004, 33010, 33012, 33013, 33014, 33016, 33017, 33023, 33026, 33678 - along Antsahabe River (1315.6S 4938.1E, 125m): **FMNH**: 172689 - Ambinda (18 01 41 S 44 29 45 E, 223 m): **FMNH**: 209246, 209247, 209248; **UADBA**: 48131, SMG-16543 - Andavadrano: **FMNH**: 179260 - Andavakoera (13 05 49 S 49 15 16 E, 165 m): **FMNH**: 179377 - Andlavaka: **FMNH**: 179265 - Andlavakarano (1250.623S 4920.897E, 330m): **FMNH**: 179259 - Anjohibe cave (15 32 33 S 46 53 10 E, 100 m): **FMNH**: 228870, 228872, 228874, 228875, 228876, 228878, 228881, 228882; **UADBA**: SMG-18853, SMG-18874, SMG-18908 - Anjohikinakina cave (19 00 36 S 44 46 04 E): **FMNH**: 221445, 221446, 221447, 221450; **UADBA**: 32666, 32667 - Belobaka (15 41 26 S 46 25 08 E): **FMNH**: 209256, 209257; **UADBA**: 43190, 43191, 43192, 43193, 43194, 43195, 43196 - Beloboka grotte No 1 (1541.885S 4624.371E, 20m): **FMNH**: 184055, 184056, 184057 - Bemaraha: **FMNH**: 169681 - Causse de Namoroka (162400S 451700E): **FMNH**: 74188, 74189 - Daraina: **FMNH**: 173274 - Forêt d'Ampitiliantsambo (12 20 14 S 49 23 04 E, 210 m): **FMNH**: 183991, 183992, 183993, 183994 - Forêt de Binara, near Analamazava River (1315.3S 4937.0E, 325-600m): **FMNH**: 172683, 172684, 172687, 172688 - Grotte d'Ambahibe (12 58 04 S 49 07 14 E, 80 m): **FMNH**: 221336, 221341, 221343; **UADBA**: 33003, 33005, 33015 - Grotte d'Andrafiabe, forêt près (12 55 54 S 49 03 24 E, 50 m): **FMNH**: 169711, 169712, 169727, 169728, 221346, 221347 - Grotte d'Anjohibe (15 32 33 S 46 53 10 E, 100 m): **FMNH**: 221402, 221403, 221404, 221405, 221407, 221408, 221409, 221410 - Grotte d'Anjohibe (1532.289S 4653.159E, 100m): **FMNH**: 179308, 179309, 179310, 179311, 179312 - Grotte d'Anjohikely (north entrance) (1533.653S 4652.452E, 100m): **FMNH**: 179232, 179233, 179234, 179235, 179236, 179313, 179314 - Grotte d'Anjohikely (south entrance) (15 33 39 S 46 52 27 E): **FMNH**: 221396, 221398, 221399, 221400; **UADBA**: 32939, 32940, 32941, 32943, 32946, 32947, 32953 - Grotte d'Ankelimahogo (1511.426S 4712.175E, 50m): **FMNH**: 184058, 184062, 184066 - Grotte de Bazaribe (12 42 44 S 49 28 25 E, 90 m): **FMNH**: 178839, 178840, 178842, 178843, 178844, 178846, 178847, 178848 - Mahajanga province: **SMF**: 89126 - Majunga (15 43 S 46 19 E, 124 m): **MNHN**: ZM-MO-1947-298C - Matsaborymadio (1248.871S 4915.471E, 275m): **FMNH**: 179345 - PN de Bemaraha, Ankidrodroa (1907.9S 4448.5E, 100m): **FMNH**: 172808, 172809, 172810, 172811, 172812, 172813, 172814, 172815, 172816, 172817, 172838, 172841, 172842, 172843, 172844, 172845, 172846, 172848, 172850, 172852, 172855, 172856, 172857 - PN de Bemaraha, south bank Manambolo River, near Tombeau Vazimba (1908.4S 4449.7E, 100m): **FMNH**: 172865 - PN de Bemaraha, Zohy Atsimo (1908.43S 4449.25E, 90m): **FMNH**: 172818, 172819, 172820, 172821, 172822, 172823, 172824, 172826, 172827, 172828, 172829, 172830, 172831, 172832, 172833, 172834, 172835, 172836, 172837 - RNI de Namoroka, Forêt d'Ambovonomby (1628.2S 4520.9E, 200m): **FMNH**: 175839, 175844 - RNI de Namoroka, Grotte d'Andriabe (1624.666S 4518.911E, 140m): **FMNH**: 178567, 178568, 178569, 178570 - RNI de Namoroka, near source of Mandevy River (1622.8S 4520.7E, 100m): **FMNH**: 175886, 175887 - RS d'Ankarana, Ambahibe Cave (1258.060S 4907.231E, 100m): **FMNH**: 173101 - RS d'Ankarana, Antsironandoha Cave (west) (1253.344S 4905.867E, 100m): **FMNH**: 173079, 173087 - RS d'Ankarana, Campement des Anglais [= Anilotra] (1254.5S 4906.6E, 125m): **FMNH**: 173062 - RS d'Ankarana, Canyon d'Antsiroandoa Centre (1255.1S 4907.6E, 120m): **FMNH**: 173064, 173065, 173066, 173068, 173071, 173073, 173074 - RS d'Ankarana, Grotte Boribe (130039.6S 490006.8E, 4m): **FMNH**: 183881, 183882, 183883 - RS d'Ankarana, Grotte d'Ambatoharanana (125937.1S 490039.7E, 20m): **FMNH**: 183884 - RS d'Ankarana, Lavaka Ambitsokotsoka (1249.665S 4915.155E, 288m): **FMNH**: 179261, 179262, 179263, 179264 - RS d'Ankarana, Sentier Botanique (1252.114S 4913.567E, 225m): **FMNH**: 179266, 179267 - unnamed cave (145757.5S 471828.7E, 40m): **FMNH**: 184072, 184073, 184074, 184078.

Miniopterus inflatus Thomas, 1903

Cameroon:

Boteke Village (0406N 0912E): **ROM**: 69051, 69052, 69053, 69061, 69062 - Boteke Village (0409N 0912E): **ROM**: 69079, 69085, 69087, 69095 - Boteke Village (0509N 0912E): **ROM**: 69069, 69070, 69071, 69072, 69073, 69074, 69075, 69076, 69077, 69078 - Buea Station area, small Sopo (0407N 0912E): **ROM**: 68939, 68940, 68941, 68942, 68943, 68944, 68949, 68952, 68961, 68962 - Efulén (02 47 00 N 10 32 00 E, 421 m): **BMNH**: 1903.2.4.8 (Holotype *Miniopterus inflatus*) - Galim (07 06 00 N 12 29 00 E, 1120 m): **RMCA**: 73.016-M-0309 - small Soppo (0407N 0912E): **ROM**: 69007, 69009, 69010, 69011, 69015, 69027, 69028, 69031, 69050.

Cape Verde:

Santo Antão island, Ribeira Grande (1710N 2506W): **MZUF**: 12221, 12514.

Central African Republic:

La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1985-632, ZM-MO-1985-652 - Zouari-Muyo cave: **MNHN**: ZM-MO-1985-623, ZM-MO-1985-624, ZM-MO-1985-625.

Congo (Democratic Republic of the):

Baya carrière (11 52 00 S 27 27 00 E, 1279 m): **RMCA**: 31507, 31508 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 13577.1, 13577.2, 13577.3, 13577.4, 13577.5 - Goroumbwa Mine (03 06 45.66 N 29 34 13.62 E): **TM**: DBA010, DBA011, DBA015, DBA113, DBA115, DBA164, DBA165, DBA166, DBA167, DBA168, DBA169, DBA170, DBA171, DBA172, DBA173, DBA174, DBA175, DBA176, DBA177, DBA198, DBA202, DBA239, DBA240, DBA241, DBA242, DBA243, DBA244, DBA255, DBA277, DBA300, DBA317, DBA321, DBA327, DRC0033, DRC0107, DRC0122, DRC0150, DRC0156 - Grotte de Baya (11 52 00 S 27 27 00 E, 1279 m): **RMCA**: 23799 - Issehe river (01 05 N 29 49 E, 1200 m): **INPBC**: W1457.3 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RBINS**: 1696, 1697; **RMCA**: 26265 - Kabambi (00 51 00 N 29 39 00 E, 1260 m): **RMCA**: 37170, 37171, 37172 - Kafwe (08 22 00 S 29 15 00 E, 1800 m): **RBINS**: 10705 - Kakontwe cave (105900S 263800E, 1294 m): **BMNH**: 1959.513, 1959.514, 1959.515; **RMCA**: 26212, 26248, 26249, 26740 - Kalomoni cave (105900S 264000E, 1294 m): **RMCA**: 33993, 33994, 33995, 33996, 34017 - Kalumbu cave (10 51 00 S 26 39 00 E): **RMCA**: 27548, 27549, 27550, 27551, 27552, 27554, 27555, 27559, 27560, 27561, 27562, 27563, 27564 - Kasowena cave (10 58 00 S 26 39 00 E): **RMCA**: 34007, 34008, 34009 - Katanga (former) province:

SMF: 18926, 18927, 18931, 21310, 21311, 21312 - Komanda (01 23 00 N 29 46 00 E, 928 m): **MHNG**: 1874.006, 1874.007, 1874.008, 1874.009 - Masombwe (09 05 00 S 27 12 00 E, 1163 m): **RBINS**: 10706 - Matupi Cave (01 16 12 N 029 54 36 E, 3500 ft): **RMCA**: 23300 - Mura pumping station (10 58 00 S 26 32 00 E): **RMCA**: 33989, 33990 - Mwanga cave (10 58 00 S 26 39 00 E): **RMCA**: 34010, 34011, 34012, 34013, 34014, 34015, 34016 - Pierkat quarry (115200S 272700E, 1279 m): **RMCA**: 23878 - Talatala (01 15 N 29 50 E, 1170 m): **RBINS**: 7086 - Tsebahu (01 13 00 N 29 49 00 E): **RMCA**: 37169 - Tshebahu (01 19 N 29 52 E, 1200 m): **INPBC**: W1456a, W1456b - Yolohotiri cave (011300N 294900E): **RMCA**: 23299.

Ethiopia:

Unknown locality: **SMF**: 41839, 41840, 49119 - Abiy No. 3, 0.5 km S (ca. 08 12 N 35 20 E, 1364 m): **BRTC**: 57928 - Abiyacula (ca. 12 02 N 39 03 E): **EBD**: MAM 25807, MAM 25808, MAM 25809, MAM 25841 - Didessa river bridge (09 02 N 36 09 E, 1533 m): **BRTC**: 59519 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1670 m): **BRTC**: 57984, 58659, 58660 - Satema, 1.5 km N, 0.5 km W (2165 m): **BRTC**: 58692, 58693, 58695, 58696, 58698, 58699, 58703, 58704, 58705, 58707, 58708, 58709, 58710.

Gabon:

Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-1985-1551; **ZMA**: MAM.08380, MAM.08402, MAM.08408, MAM.08410, MAM.08411, MAM.19678, MAM.19688, MAM.19691, MAM.23462, MAM.25279 - Batouala cave (00 49.2 N 13 27 E): **MNHN**: ZM-MO-1985-1552, ZM-MO-1985-1553, ZM-MO-1985-1554 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **ZMA**: MAM.19675, MAM.19677, MAM.19679, MAM.19680, MAM.19681, MAM.19682, MAM.19683, MAM.19684 - Bengoué (00 58 S 09 11 E, 0 m): **MNHN**: ZM-MO-1985-1541, ZM-MO-1985-1542, ZM-MO-1985-1543, ZM-MO-1985-1544, ZM-MO-1985-1545, ZM-MO-1985-1546, ZM-MO-1985-1547, ZM-MO-1985-1548, ZM-MO-1985-1549, ZM-MO-1985-1550 - Grotte de Faucon (01 07 N 13 20 E): **ZMA**: MAM.08290, MAM.08364, MAM.08383 - Grottes de Massa (01 07 N 13 09 E): **ZMA**: MAM.19674, MAM.19676 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1985-1961.

Guinea:

Fressoudou (09 08 00 N 08 54 00 W): **MNHN**: ZM-2012-436, ZM-2012-437, ZM-2012-438, ZM-2012-439, ZM-2012-440, ZM-2012-441 - Grotte du Marché (10 42 N 12 15 W): **MHNG**: IFAN 54-1-1 (Holotype *Miniopterus inflatus villiersi*).

Kenya:

Unknown locality: **BMNH**: 1965.1054, 1965.1055, 1965.1056, 1966.1057, 1973.533, 1973.534, 1973.535, 1973.536, 1973.537, 1973.538, 1975.2621, 1975.2622, 1975.2623, 1975.2624, 1975.2625, 1975.2626, 1975.2627, 1975.2628, 1975.2629, 1975.2630, 1975.2631, 1975.2633, 1975.539, 1975.895, 1975.896, 1975.897; **FMNH**: 215674, BDP-5550; **SMF**: 43660 - Chyulu Hills National Park (02 34 59 S 37 49 59 E, 1930 m): **SMF**: 57588 - Mount Suswa (01 09 S 36 21 E, 1800 m): **ZMA**: MAM.19692, MAM.23461 - Shimilani (04 14 00 S 39 36 00 E): **RMCA**: 75.054-M-0011 - Suswa caves (00 06 S 35 43 E): **BMNH**: 1970.2530 - Suyani, 10 km N (01 25 N 36 37 E): **SAMA**: M13067 - Western [former] province: **SMF**: 39423, 39424 - Western province: **CM**: 98079.

Liberia:

Unknown locality: **BMNH**: 1979.515_1, 1979.515_2, 1979.515_3, 1979.516, 1979.517, 1979.518, 1979.519, 1979.520; **SMF**: 87693 - Ziggida, 10.5 km N, 1 km E (ca. 08 02 12 N 09 29 23 W): **AMNH**: 265828 - Ziggida, 13 km N, 1 km E (ca. 08 02 12 N 09 29 23 W): **AMNH**: 265829, 265830.

Madagascar:

Unknown locality: **BMNH**: 1987.150.

Malawi:

Likabula mission (15 57 S 35 24 E): **TM**: 41802.

Mozambique:

Gorongosa, E (18.56S 34.87E): **DNSM**: 8556 - Gorongoza caves (18 33 53 S 34 52 19 E): **DNSM**: 8527 - Manho Forest (15 22 09 S 37 03 40 E, 1750 m): **DNSM**: 9847 - Mount Chiperone (16 30 25 S 35 43 33 E): **DNSM**: 8779.

Namibia:

Dante Cave (19.4S 17.89E): **SMW**: 14580 - Otgrot (19.71S 15.7E): **SMW**: 14582.

Nigeria:

Unknown locality: **BMNH**: 1964.762, 1972.3954, 1984.855 - Jauro Masali (06 20 N 03 25 E, 1300 m): **SMNS**: 41341.

Rwanda:

Kibumbu crater, caves 2 and 3 (01 24 35 S 29 32 36 E): **BMNH**: 1992.391, 1992.392, 1992.393, 1992.394, 1992.395, 1992.396, 1992.397 - Mutura (013556S 292256E, 2370 m): **RMCA**: 82.006-M-0286, 82.006-M-0287, 82.006-M-0288, 82.006-M-0289, 82.006-M-0290, 82.006-M-0291, 82.006-M-0292, 82.006-M-0293, 82.006-M-0294, 82.006-M-0295, 82.006-M-0296, 82.006-M-0297, 82.006-M-0298, 82.006-M-0299, 82.006-M-0300, 82.006-M-0301, 82.006-M-0302, 82.006-M-0303, 82.006-M-0304, 82.006-M-0305, 82.006-M-0306, 82.006-M-0307, 82.006-M-0308, 82.006-M-0309, 82.006-M-0310, 82.006-M-0311, 82.006-M-0312, 82.006-M-0313, 82.006-M-0314, 82.006-M-0315, 82.006-M-0316, 82.006-M-0317, 82.006-M-0318, 82.006-M-0319, 82.006-M-0320, 82.006-M-0321, 82.006-M-0322, 82.006-M-0323, 82.006-M-0324, 82.006-M-0325, 82.006-M-0326, 82.006-M-0327, 85.006-M-0120, 85.006-M-0121, 85.006-M-0122, 85.006-M-0123, 85.006-M-0124, 85.006-M-0125, 85.006-M-0126, 85.006-M-0127, 85.006-M-0128, 85.006-M-0129, 85.006-M-0130, 85.006-M-0131, 85.006-M-0132, 85.006-M-0133, 85.006-M-0134, 85.006-M-0135, 85.006-M-0136, 85.006-M-0137, 85.006-M-0138, 85.006-M-0139, 85.006-M-0140, 85.006-M-0141, 85.006-M-0142, 85.006-M-0143, 85.006-M-0144, 85.006-M-0145, 85.006-M-0146, 85.006-M-0147, 85.006-M-0148, 85.006-M-0149, 85.006-M-0150, 85.006-M-0151 - Ruhengeri (01 30 15 S 29 38 09 E, 1772 m): **RBINS**: 15490.1, 15490.2.

Sierra Leone:

Bumban, 1 mi E (09 07 N 11 54 W): **USNM**: 462856 - Outamba-Kilimi-NP, HQ, W bank Kaba river (09 40 N 12 10 W): **USNM**: 547033 - Panguma, 10 mi [=16 km]N (08 17 N 11 06 W): **USNM**: 463167, 463168, 463312, 463313.

South Africa:

Insizwe Mine (30 48 13 S 29 16 52 E, 1140 m): **DNSM**: 7085 - Pongola River Bridge, on Jozini - Kosi Road (27 02 13 S 32 15 58 E, 37 m): **DNSM**: 5726 - Shongweni Dam (29 51 42 S 30 43 16 E, 290 m): **DNSM**: 3344, 5663, 8366.

Uganda:

Kisoro district: **SMF**: 64219.

Zambia:

Kilwa Island (091600S 282700E): **NMZL**: 3756, 3757.

Zimbabwe:

Limestone Cave, Kyle (20.0S 30.5E): **NHMZ**: 59694 - MacDougall's Tunnel, Triangle (21.12S 31.37E): **NHMZ**: 59684 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **NHMZ**: 59557; **TM**: 42873 - Mutare Asbestos Mine (18 58 29 S 32 39 20 E): **NHMZ**: 59551 - Umtali mine adit (18 58 29 S 32 39 20 E, 1094 m): **TM**: 34679, 34680, 34681.

Miniopterus inflatus inflatus Thomas, 1903

Burundi:
Mpinga cave (03 44 10 S 30 10 40 E, 1930 m): **MHNG**: 1607.080, 1607.081, 1608.001, 1608.002.

Congo:
Lekoumou, Lebayi cave (02 42.045 S 13 35.968 E): **HZM**: 19.40182, 20.40183, 21.40184, 22.40185.

Congo (Democratic Republic of the):
Mount Hoyo caves (01 13 00 N 29 49 00 E, 1200 m): **CAS**: 12500, 12501, 12502, 12503, 12531, 12532.

Equatorial Guinea:
Engong (01 53 N 10 17 E, 325 m): **MSB**: 28903, 28904.

Kenya:
Unknown locality: **ROM**: 71804, 71805, 71806 - Barberton Cave (0045N 3445E): **ROM**: 76072, 76073 - Barberton Farm: **ROM**: 45976 - Central Elgon (0105N 3445E, 1981 m): **ROM**: 65694, 65697, 65699, 65700, 65701, 65702, 65778, 65790, 65793 - Central Elgon East (0105N 3440E, 1890 m): **ROM**: 65797 - Cherangani Hills (0115S 3527E, 1981 m): **ROM**: 65680, 65688 - Cherangani Mountains, Tangasia [= Tangasha] River (011400N 352300E, 2286 m): **ROM**: 48538 - Endebess (0104N 3451E): **ROM**: 67956 - Gazi (0425S 3930E, 3 m): **ROM**: 81230 - Kakamega (0017N 3447E): **USNM**: 351248, 351249 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **CUMV**: 13660; **ROM**: 45977, 45978, 50445, 50452, 50453, 50454, 50455, 50464, 50466, 50469, 50479, 76070, 76071, 81300, 91222; **USNM**: 351247 - Kakamega Forest Mine (0011N 3451E): **ROM**: 76038, 76039, 76040, 76041, 76042, 76043, 76044, 76045, 76046, 76047, 76048 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **ROM**: 73346 - Kitale, 16 km NE (0101N 3501E, 1920 m): **ROM**: 48776, 48777, 48778, 48779, 48780, 48781, 48782, 48783 - Kitale, 20 mi SW (0045N 3445E, 1830-2134 m): **USNM**: 351254, 351255, 351256, 351259 - Kyanguli area (ca. 004839S 382302E): **CUMV**: 13661 - Legatet Hill (0010S 3517E): **ROM**: 76055, 76056, 76057, 76058, 76059, 76060, 76061, 76062, 76063, 76064, 76065, 76066, 76067, 76068, 76069 - Malikisi River, Malikisi Caves (0037N 3413E, 2610 m): **ROM**: 65743 - Menengai Crater (00 12 00 S 36 04 00 E, 1860 m): **ROM**: 66641, 66642 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1860-2865 m): **ROM**: 76053; **USNM**: 351251, 351252, 351253 - Mount Elgon (ca. 010043N 344415E, 1890 m): **ROM**: 65484 - Mount Elgon (ca. 010043N 344415E, 1920 m): **ROM**: 73473 - Mount Elgon (ca. 010043N 344415E, 1950 m): **ROM**: 51909 - Mount Elgon Caves (00 52 N 34 27E, 1951 m): **ROM**: 37016 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1920 m): **ROM**: 50826 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1980 m): **ROM**: 56316, 56317, 56319, 56342, 56343 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1981 m): **ROM**: 56329, 56331 - Mount Elgon, S face (0058N 3455E): **ROM**: 35868, 35870, 35872, 35885 - Mount Elgon, S face (0058N 3455E, 2000 m): **ROM**: 35867, 35869, 35873, 35875, 35876, 35881, 35882, 35883, 35884, 35887, 35892 - Nakuru (00 17 00 S 36 04 00 E, 1952 m): **CAS**: 11967, 11968, 11969 - Rongai (0011S 3552E): **CAS**: 11966 - West Pokot Escarpement (0128N 3501E, 1219 m): **ROM**: 39517, 39520, 39522, 39525, 39526, 39528, 39537, 39539, 39545, 39546, 39547, 39548, 39549, 39554, 39556, 39558, 39561, 39562, 39563, 39567, 39569, 39572, 39574, 39578, 39579, 39582, 39596, 39597, 39598, 39600, 39606.

Liberia:
Ziggida, 1 km N, 3 km E (08 02 12 N 09 29 23 W): **AMNH**: 265827.

Madagascar:
Unknown locality: **BMNH**: 1987.148, 1987.149.

Uganda:
Tororo (004105N 341052E, 1185 m): **ROM**: 63436.

Miniopterus inflatus rufus Sanborn, 1936

Congo (Democratic Republic of the):
Kasoma cave (09 25 00 S 26 37 00 E): **MHNG**: 1046.094, 1046.095 - Katobwe (08 54 S 26 04 E, 610 m): **FMNH**: 29416 (Holotype *Miniopterus rufus*) - Mbuji-Mayi, 32 km SE (ca. 06 09 S 23 36 E): **FMNH**: 152883, 152884.

Kenya:
Barberton Farm: **ROM**: 45975 - Colobus Circuit 1 (00 21 22 N 34 51 41 E): **MMU**: PWW2920 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 50465, 50483, 50484, 50485, 50486, 50487, 50491, 50492, 50493, 50494, 50495, 50496, 50497, 50499, 50539, 50540, 50541, 50542, 50544, 50545, 50546, 65965, 65967, 65968, 65969, 65971, 65972, 66002, 66003, 66004, 66005, 66006, 66007, 66008, 66009, 66010, 66011, 66012, 66013, 66014, 66015, 66016, 66017, 66018, 66019, 66020, 66021, 66022, 66023, 66024, 66025, 75526, 75527, 75528, 75529, 75531, 75532, 75533, 75537, 75539, 75542, 75544, 75545, 75548, 75549, 75553, 75560, 75562, 75563, 75564, 75570, 75571, 75572, 75573, 75575, 81289, 81303, 81323, 81324, 81328 - Kakamega forest station (0014N 3452E): **FMNH**: 152869, 152870, 152871 - Kakamega Forest Station, 1 mi NE (0017N 3447E, 1615 m): **FMNH**: 152872, 152873, 152874, 152875, 152876, 152877, 152878, 152879, 152880, 152881, 152882 - Kimilili, near (ca. 0047N 3443E): **ROM**: 39025, 39028, 39029 - Kitale, 20 mi S: **FMNH**: 152850 - Kitale, 20 mi S (ca. 0101N 3501E, 1951 m): **FMNH**: 152851 - Kitale, 20 mi SW (0045N 3445E, 1829 m): **FMNH**: 152856 - Kitale, 20 mi SW (0045N 3445E, 1830-2134 m): **FMNH**: 152852, 152853, 152854, 152855 - Koru (00 11 S 35 16 E, 1980 m): **ROM**: 40332, 40333, 40334, 40335, 68461, 68463 - Koru (0011S 3516E, 1980 m): **ROM**: 68462 - Legatet Hill cave (0010S 3517E): **FMNH**: 152842, 152843, 152844, 152845, 152846 - Lirhanda Cave (00 12 42 N 34 53 55 E): **MMU**: PWW2966, PWW2967, PWW2968, PWW2969, PWW2970, PWW2971, PWW2972, PWW2973, PWW2974, PWW2975, PWW2976, PWW2977, PWW2978, PWW2979, PWW2980 - Mahiakalo Cave (00 14 52 N 34 54 23 E): **MMU**: PWW2950, PWW2951, PWW2952, PWW2953, PWW2954, PWW2955, PWW2956, PWW2957, PWW2958, PWW2959, PWW2960, PWW2961, PWW2962, PWW2963 - Mount Elgon Caves (00 52 N 34 27E, 1951 m): **ROM**: 37014, 37015, 37023, 37024 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1890 m): **ROM**: 44260, 44261, 44262 - Mount Elgon, S face (0058N 3455E): **ROM**: 35871 - Mount Elgon, S face (0058N 3455E, 2000 m): **ROM**: 35877, 35880, 35886, 35888, 35891 - Mount Ololdiani (0006S 3543E): **FMNH**: 152840, 152841 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152857, 152858, 152859, 152860, 152861, 152862, 152863, 152864, 152865 - Renshaw Barberton Farm (0045N 3445E): **MCZ**: 50282, 50283, 50284, 50285, 50286, 50287, 50288, 50289, 50290, 50291, 50292, 50293, 50294, 50295, 50296, 50297, 50298, 50299, 50300, 50301, 50302, 50303, 50304, 50305, 50306, 50307, 50308, 50309, 50310, 50311, 50312, 50313, 50314, 50315, 50316, 50317, 50318, 50319, 50320, 50321, 50322, 50323, 50324, 50325, 50326, 50327, 50328, 50329, 50330 - Saiwa river (0116N 3507E, 610 m): **ROM**: 65932 - Salazar Trail (00 20 06 N 34 52 26 E): **MMU**: PWW2927 - West Pokot Escarpement (0128N 3501E, 1219 m):

ROM: 39519, 39521, 39523, 39524, 39527, 39529, 39530, 39532, 39533, 39534, 39542, 39543, 39544, 39550, 39552, 39553, 39557, 39559, 39564, 39565, 39566, 39570, 39571, 39573, 39576, 39577, 39580, 39581, 39586, 39588, 39591, 39592, 39594, 39601, 39603, 39607.

Uganda:

Mubuku - Mahoma River confluence, above (00 21 50 N 29 59 53 E, 2103 m): **FMNH**: 144314.

Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014

Morocco:

Kef Azigza cave (32 02 N 03 47 W, 1060 m): **EBD**: MAM 25780 - Kef Azigza Cave (or Tazzouguert Cave) (32 01 46.6 N 03 47 16.7 W, 1060 m): **NMP**: 94426 (Holotype *Miniopterus maghrebensis*), 94505 (Paratype *Miniopterus maghrebensis*), 94506 (Paratype *Miniopterus maghrebensis*), 94507 (Paratype *Miniopterus maghrebensis*), 94508 (Paratype *Miniopterus maghrebensis*), 94509 (Paratype *Miniopterus maghrebensis*), 94510 (Paratype *Miniopterus maghrebensis*), 94511 (Paratype *Miniopterus maghrebensis*), 94512 (Paratype *Miniopterus maghrebensis*), 94513 (Paratype *Miniopterus maghrebensis*), 94514 (Paratype *Miniopterus maghrebensis*), 94515 (Paratype *Miniopterus maghrebensis*) - Sebt-des-Ait-Serhrouchen (34 00 23 N 04 33 12 W): **NMP**: 90103 (Paratype *Miniopterus maghrebensis*) - Talkout (31 39 36 N 07 15 36 W, 851 m): **NMP**: 90047 (Paratype *Miniopterus maghrebensis*), 90051 (Paratype *Miniopterus maghrebensis*).

Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009

Madagascar:

Unknown locality: **FMNH**: 217933, 217936, 217938, 217957, 217958, 217985, 217988, 217989, 217991, 217992, 217993, 218040, 218047, 218073, 218074, 218076, 218078, 218079, 222720; **UADBA**: 32352, 32353, 32363, 32366, 32369, 32371, 33685, 48933, 50151, 50161, 50162, 50182, 50216, 50217, 50218, 50219, 50221, 50222 - Ambanilia cave (23 32.397 S 43 44.763 E, 0 m): **FMNH**: 172918 (Paratype *Miniopterus mahafaliensis*), 172919 (Paratype *Miniopterus mahafaliensis*), 172920 (Paratype *Miniopterus mahafaliensis*), 172921 (Paratype *Miniopterus mahafaliensis*), 172922 (Paratype *Miniopterus mahafaliensis*), 172923 (Paratype *Miniopterus mahafaliensis*), 172924 (Paratype *Miniopterus mahafaliensis*), 172925 (Paratype *Miniopterus mahafaliensis*), 172926 (Paratype *Miniopterus mahafaliensis*), 172927 (Paratype *Miniopterus mahafaliensis*), 172928 (Paratype *Miniopterus mahafaliensis*) - Amborombe cave (24 37 42.7 S 43 58 56.9 E, 70 m): **FMNH**: 184160 (Paratype *Miniopterus mahafaliensis*) - Andraimpano cave (24 39.012 S 43 57.797 E, 110 m): **FMNH**: 184155 (Paratype *Miniopterus mahafaliensis*), 184156 (Paratype *Miniopterus mahafaliensis*), 184157 (Paratype *Miniopterus mahafaliensis*), 184158 (Paratype *Miniopterus mahafaliensis*), 184159 (Paratype *Miniopterus mahafaliensis*), 184168 (Paratype *Miniopterus mahafaliensis*), 184222 (Paratype *Miniopterus mahafaliensis*), 184223 (Paratype *Miniopterus mahafaliensis*), 184224 (Paratype *Miniopterus mahafaliensis*), 184225 (Paratype *Miniopterus mahafaliensis*) - Andranomilitry, cave (22 23 07 S 46 03 23 E, 950 m): **FMNH**: 184470 (Paratype *Miniopterus mahafaliensis*), 184471 (Paratype *Miniopterus mahafaliensis*), 184472 (Paratype *Miniopterus mahafaliensis*), 184473 (Paratype *Miniopterus mahafaliensis*) - Antafiky (23 29 16.0 S 44 04 39.1 E, 50 m): **FMNH**: 173252 (Paratype *Miniopterus mahafaliensis*), 173253 (Paratype *Miniopterus mahafaliensis*) - Antagneotsy cave (24 23.001 S 43 50.742 E, 100 m): **FMNH**: 184226 (Paratype *Miniopterus mahafaliensis*) - Berenty-Betsileo, 28 km SE (22 19 S 45 17.6 E, 550 m): **FMNH**: 175991 (Paratype *Miniopterus mahafaliensis*) - Betroka (2316S 4605E, 800 m): **FMNH**: 75774 (Paratype *Miniopterus mahafaliensis*) - Bisihiko cave (23 32.933 S 43 46.044 E, 10 m): **FMNH**: 172929 (Paratype *Miniopterus mahafaliensis*), 172930 (Paratype *Miniopterus mahafaliensis*), 172931 (Paratype *Miniopterus mahafaliensis*), 172932 (Paratype *Miniopterus mahafaliensis*), 172933 (Paratype *Miniopterus mahafaliensis*), 202484 (Paratype *Miniopterus mahafaliensis*), 202485 (Paratype *Miniopterus mahafaliensis*) - Fiherenana (23 14 17 S 43 52 23 E): **FMNH**: 176509 (Paratype *Miniopterus mahafaliensis*), 176510 (Paratype *Miniopterus mahafaliensis*) - Forêt des Mikea (2) (22 46 42 S 43 31 24 E, 80 m): **FMNH**: 176167 (Paratype *Miniopterus mahafaliensis*), 176168 (Paratype *Miniopterus mahafaliensis*), 176169 (Paratype *Miniopterus mahafaliensis*), 176170 (Paratype *Miniopterus mahafaliensis*) - Grotte d'Ambanilia (23 32 24 S 43 46 01 E): **FMNH**: 217971; **UADBA**: 32354, 32355, 32357, 32358, 32359 - Grotte d'Andranoilovy (24 03 S 43 45 E): **UADBA**: 50183, 50184, 50185, 50186, 50187 - Itampolo (24 41 S 43 57 E, 28 m): **FMNH**: 209279, 209281; **UADBA**: 43221 - Itampolo (village),10.5 km SE (2404.2S 4401.79E, 120 m): **FMNH**: 184217 (Paratype *Miniopterus mahafaliensis*), 184218 (Paratype *Miniopterus mahafaliensis*), 184219 (Paratype *Miniopterus mahafaliensis*), 184220 (Paratype *Miniopterus mahafaliensis*), 184221 (Paratype *Miniopterus mahafaliensis*) - Mahaleotse (23 31 38.8 S 44 05 16.1 E, 70 m): **FMNH**: 176508 (Paratype *Miniopterus mahafaliensis*) - Malaza Manga Aven (2401.827S 4345.283E, 80 m): **FMNH**: 173204 (Paratype *Miniopterus mahafaliensis*) - Marofihitsa, 11 km SE (20 53.2 S 44 04.8 E, 35 m): **FMNH**: 176100 (Paratype *Miniopterus mahafaliensis*), 176101 (Paratype *Miniopterus mahafaliensis*), 176102 (Paratype *Miniopterus mahafaliensis*), 176103 (Paratype *Miniopterus mahafaliensis*), 176104 (Paratype *Miniopterus mahafaliensis*), 176105 (Paratype *Miniopterus mahafaliensis*), 176106 (Paratype *Miniopterus mahafaliensis*), 176107 (Paratype *Miniopterus mahafaliensis*), 176108 (Paratype *Miniopterus mahafaliensis*), 176109 (Paratype *Miniopterus mahafaliensis*), 176110 (Paratype *Miniopterus mahafaliensis*) - Marofihitsa, 13 km W (20 47.4 S 44 08.8 E, 30 m): **FMNH**: 176096 (Paratype *Miniopterus mahafaliensis*), 176097 (Paratype *Miniopterus mahafaliensis*), 176098 (Paratype *Miniopterus mahafaliensis*), 176099 (Paratype *Miniopterus mahafaliensis*) - Mitoho Cave, near (2403.0S 4345.0E, 50 m): **FMNH**: 173154 (Paratype *Miniopterus mahafaliensis*), 173179 (Holotype *Miniopterus mahafaliensis*), 173189 (Paratype *Miniopterus mahafaliensis*), 173190 (Paratype *Miniopterus mahafaliensis*), 173191 (Paratype *Miniopterus mahafaliensis*), 173192 (Paratype *Miniopterus mahafaliensis*), 173193 (Paratype *Miniopterus mahafaliensis*), 173194 (Paratype *Miniopterus mahafaliensis*), 173195 (Paratype *Miniopterus mahafaliensis*), 173196 (Paratype *Miniopterus mahafaliensis*), 173198 (Paratype *Miniopterus mahafaliensis*), 173199 (Paratype *Miniopterus mahafaliensis*), 173200 (Paratype *Miniopterus mahafaliensis*), 173201 (Paratype *Miniopterus mahafaliensis*), 173202 (Paratype *Miniopterus mahafaliensis*), 173203 (Paratype *Miniopterus mahafaliensis*) - Ranobe (23 14.033 S 43 52.493 E, ca. 50 m): **FMNH**: 177376 (Paratype *Miniopterus mahafaliensis*) - Sarondrano (23 30 37 S 43 44 07 E): **MNHN**: ZM-MO-1912-46A, ZM-MO-1912-46B, ZM-MO-1912-46C, ZM-MO-1912-46D - Toliary province: **UADBA**: 43220 - Tsimanampetsotsa (24 07 00 S 43 45 00 E): **FMNH**: 173197, 209275, 209276, 209277, 209278; **UADBA**: SMG-16471, SMG-16472.

Miniopterus majori Thomas, 1906

"Africa":

Unknown locality: **MNHN**: ZM-MO-1984-1051.

Madagascar:

Unknown locality: **FMNH**: 218008, 218009, 218010, 218011; **MNHN**: ZM-MO-1889-12, ZM-MO-1889-13, ZM-MO-1889-14, ZM-MO-1889-15, ZM-MO-1889-16, ZM-MO-1889-17, ZM-MO-1889-18, ZM-MO-1889-19, ZM-MO-1889-20, ZM-MO-1889-21, ZM-MO-1889-22, ZM-MO-1889-23, ZM-MO-1889-24, ZM-MO-1889-25; **SMF**: 89116; **UADBA**: 50136, 50137 - Analamazaotra forest, Périnet (185600S 482500E, 800 - 991 m): **ROM**: 42003 - Andriamamovoka (2115S 4724E, 1112 m): **MVZ**: 217020, 217021 - Beloha (2510S 4503E): **MCZ**: 45574 - Bevaho (2452S 4627E, 80 m): **USNM**: 577308, 577309, 577310, 577311, 577312 - Bevilany (2501S 4630E, 40 m): **USNM**: 577300, 577301 - Calata cave (ca. 181852S 470653E): **MCZ**: 45575 - Cascade Sahanalaotra, near (211414.9S 472352E, 1100m): **FMNH**: 187652, 187653, 187654, 187655, 187656, 187657, 187658, 187659, 187660, 187661 - d'Itremo, 2.5km W (203537.85S 463704.31E, 1400m): **FMNH**: 177285, 177286, 177287, 177288, 177289, 177290, 177291, 177292 - Fandanana (201400S 472300E, 1463 m): **FMNH**: 194081, 194083, 194085, 209170, 209171, 209172, 209173, 209174, 209175, 209177; **UADBA**: 43197, 43198, 43199, 43200, 43253, 43254, 43255, 43256, 43257, 43258, 43259, 43260, 43261, 43262, 43263 - Fandriana: **FMNH**: 194084 - Farankaraina (15.42853 S 49.842196 E): **FMNH**: 202518 - Fianarantsoa (212732.1S 470436E, 1190m): **FMNH**: 184469 - Grotte de Marondavenoka, near the village of Enato (2453.426S 4659.225E, 110m): **FMNH**: 194097 - Imasindrary [= Masindary] (2017S 4731E, ca. 1000-1500m): **BMNH**: 1897.9.1.44, 2000.82, 2000.83, 2000.84 - Imasindrary [=Sahamananina]: **BMNH**: 1897.9.1.38 (Holotype *Miniopterus Majori*) - Itremo (village) (203537.8S 463715.4E, 1450m): **FMNH**: 166051, 166052 - Kianjavato, 0.5 km N (2123S 4752E, 300 m): **USNM**: 448888, 448889, 448940 - Manantanely Forest (2459S 4654E, 60 m): **USNM**: 577296 - Manantantely: **USNM**: 577075 - Mikea Forest, Grotte d'Andalambezo (ca. 2216S 4317E, 15m): **MNHN**: ZM-MO-1984-1088, ZM-MO-1984-1089, ZM-MO-1984-1090, ZM-MO-1984-1091, ZM-MO-1984-1094, ZM-MO-1984-1095 - Montagne d'Ambre (ca. 1232S 4910E, 1000m): **USNM**: 341720 - Nahampoana (2458S 4658E, 40m): **USNM**: 577117, 577118, 577119 - Nahampoana Forest (ca. 245800S 465900E, 100 m): **USNM**: 577297, 577298, 577299, 577302, 577303, 577304, 577305, 577306, 577307 - Parc National de la Montagne d'Ambre, Station des Roussettes (1231S 4910E, 1000m): **FMNH**: 154553 - Pointe Sarodrano (1317S 4812E): **ROM**: 42610 - Tsinjoarivo, 10 km SE (194042S 474612E, 1550 m): **FMNH**: 166135, 166188, 166189, 166190, 166191, 166192; **UADBA**: SMG-10453, SMG-10454 - unnamed cave (203419.5S 464831.8E, 1450m): **FMNH**: 177275, 177276, 177277, 177278, 177279, 177280, 177281, 177282, 177283, 177284.

Miniopterus manavi Thomas, 1906

Comoros:

Grotte de Hamapoudre (1212.415S 4430.033E, 230m): **FMNH**: 194416 - Patsi (120920S 442614E, 220 m): **FMNH**: 194389.

Madagascar:

Unknown locality: **BMNH**: 1897.01.37, 1987.151, 1987.152, 1987.153, 1987.154, 1987.155, 1987.156, 1987.157; **FMNH**: 209179, 221421, 221422, 221424, 225988, SMG-17880; **MNHN**: ZM-MO-1889-26; **SMF**: 81226, 83523, 83524, 83525, 83526, 83527; **UADBA**: 33035, 33040, 50504 - Ambohimirija caves (162400S 451700E, 80 m): **MNHN**: ZM-MO-1984-1087 - Ambohitantely (18 10 00 S 47 17 00 E, 1519 m): **UADBA**: 43171 - Analamazaotra forest, Périnet (185600S 482500E, 800 - 991 m): **ROM**: 86034 - Andrandoka: **USNM**: 294524, 294525, 294526, 294527, 294528, 294529 - Andriafavelo (1746S 4413E, 75 m): **MCZ**: 45997, 45998 - Antanandava (19 55 47 S 44 36 21 E, 30 m): **FMNH**: 75772, 75773 - Behara: **MCZ**: 45637, 45638, 45639, 45640, 45641, 45642 - Bevaho (2452S 4627E): **USNM**: 577082, 577083, 577084, 577085, 577086 - Bevaho (2452S 4627E, 80 m): **USNM**: 577289, 577290, 577291, 577292, 577293, 577294, 577295 - Bevilany (2501S 4630E, 40 m): **USNM**: 577277, 577278, 577279, 577280, 577281, 577282, 577283, 577284, 577285, 577286, 577287, 577288 - Cascade Sahanalaotra, near (211414.9S 472352E, 1100m): **FMNH**: 187662 - Causse de Namoroka (162400S 451700E): **FMNH**: 74191, 74192, 74193 - Fandriana region (2017S 4731E): **BMNH**: 1897.9.1.37 (Holotype *Miniopterus manavi*) - Fort Dauphin, 32 km NE (2502S 4700E): **ROM**: 46909 - Great Forest: **MCZ**: 45922 - Grotte d'Anjohibe (1532.289S 4653.159E, 100m): **USNM**: 328731, 328732, 328733, 328734, 328735, 328736, 328737 - Grotte de Fandanana (2010.979S 4723.131E, 1425m): **FMNH**: 194074 - Grotte de Sarondrana [= Sarodrano] (23 30 37 S 43 44 07 E): **FMNH**: 125405, 125406 - Imasindrary (ca. 2017S 4731E, 1000-1500m): **NMW**: 27454 - Imasindrary [= Masindary] (2017S 4731E, ca. 1000-1500m): **MCZ**: 45101 (Topotype *Miniopterus manavi*) - in a marine cave between Sarodrano and Saint-Augustin: **ROM**: 42550, 42551, 42552, 42553, 42554, 42555, 42556, 42557, 42558, 42559 - Ivohibe: **AMNH**: 100839 - Joffreville, 6 mi S (ca. 123700S 490900E): **USNM**: 341711, 341713, 341715, 341717, 341724, 341731, 341732, 341922 - Marasohy Forest (2434S 4648E, 350 m): **USNM**: 578744, 578745 - Mount Ambre (123700S 490900E, 1000 m): **MNHN**: ZM-MO-1984-1059, ZM-MO-1984-1078 - Namoroka (162400S 451700E, 80 m): **MNHN**: ZM-MO-1984-1079 - Périnet, 1 mi S (1856S 4825E): **ROM**: 46898, 46899 - Périnet, 1 mi S (1856S 4825E, 914 m): **ROM**: 46900, 46901, 46927, 46928 - Périnet, 5 km S (ca. 185600S 482500E): **ROM**: 42045, 42046, 42047, 42048, 42049, 42050, 42051, 42052, 42053, 42054 - Périnet, 8 km S (ca. 18 56 00 S 48 25 00 E): **ROM**: 42004, 42005, 42006 - Pointe Sarodrano (1317S 4812E): **ROM**: 42574, 42575, 42576, 42577, 42578, 42579, 42580, 42581, 42582, 42583, 42584, 42585, 42586, 42587, 42589, 42590, 42591, 42593, 42594, 42595, 42596, 42597, 42598, 42599, 42600, 42601, 42602, 42603, 42604, 42605, 42606, 42607, 42608, 42609, 42630, 42631, 42642, 42644, 42645, 42646, 42647, 42651, 42652, 42653, 42655, 42703, 42704, 42705, 42706, 42707, 42708 - Ranopiso, 20 km WNW and Amboasary, 12 km ENE (250500S 462800E): **USNM**: 577079, 577080, 577081, 577087, 577088, 577089, 577090, 577091, 577092, 577093, 577094, 577095 - Saint Augustin (2333S 4346E, 125 m): **ROM**: 46902, 46903, 46904, 46905, 46906, 46907, 46908, 46929, 46930, 46931, 46932, 46933, 46934 - Toliary province: **MCZ**: 45602 - Tsimbazaza, lake (18 55 S 47 31 E): **MNHN**: ZM-MO-1984-1056 - Tsiombe-Androy (2518S 4529E, 63 m): **MCZ**: 45102, 45103, 45589, 45590, 45591, 45592, 45593, 45594, 45595, 45596, 45597, 45598, 45599, 45600, 45601, 45621 - Vinanitelo [= Vinantelo] (2143S 4716E, 900-1300m): **BMNH**: 1897.9.1.39, 1897.9.1.40; **FMNH**: 5650; **NMW**: 930, 931.

Miniopterus minor Peters, 1867

"Africa":

Unknown locality: **MNHN**: ZM-MO-1985-672, ZM-MO-1985-673, ZM-MO-1985-674, ZM-MO-1985-675, ZM-MO-1985-676 - Biala-Fouanga cave: **MNHN**: ZM-MO-1985-669, ZM-MO-1985-670.

Central African Republic:

Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-1985-524, ZM-MO-1985-633, ZM-MO-1985-634, ZM-MO-1985-635, ZM-MO-1985-636, ZM-MO-1985-637, ZM-MO-1985-638, ZM-MO-1985-639, ZM-MO-1985-640, ZM-MO-1985-641, ZM-MO-1985-642, ZM-MO-1985-643, ZM-MO-1985-644, ZM-MO-1985-653 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1985-628, ZM-MO-1985-629, ZM-MO-1985-630, ZM-MO-1985-631 - Nzouani-Muya cave: **MNHN**: ZM-MO-1985-1555, ZM-MO-1985-626, ZM-MO-1985-627.

Comoros:

Nioumbadjou cave (11 47 57 S 43 17 50 E, 611 m): **MNHN**: ZM-MO-1984-1021, ZM-MO-1984-1022, ZM-MO-1984-1023, ZM-MO-1984-1024, ZM-MO-1984-1025 - Panga Chilamoviani, cave (ca. 11 45 S 43 20 E): **EBD**: MAM 27725, MAM 27726.

Congo:

Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: ZM-MO-1985-494 - Loudima cave (04 15 S 13 00 E): **ZMA**: MAM.19321, MAM.19322 - Meya-Nzouari,cave (03 53 16 S 14 31 19 E): **MHNG**: 1074.013 (Holotype *Miniopterus minor occidentalis*).

Congo (Democratic Republic of the):

Cave C.8.1 (ca. 05 15 S 014 52 E): **ZMA**: MAM.26154 - Kinshasa (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 88.011-M-0029, 88.011-M-0030, 88.011-M-0031 - Kisala (04 48 00 S 13 10 00 E, 433 m): **INPBC**: W1462 - Thysville (051500S 145200E, 604 m): **BMNH**: 1954.866; **RBINS**: 1456 - Thysville, cave (051600S 145200E): **RMCA**: 18016 - Thysville, cave b 12 a (05 16 00 S 14 52 00 E): **RMCA**: 22502.

Kenya:

Coast [former] province: **SMF**: 39402, 39403, 39404, 39405, 39406, 39407, 39408, 39409, 39410, 39411, 39412 - Diani (041619S 393408E): **ROM**: 76076 - Diani Beach (04 18 13 S 39 35 01 E): **ROM**: 68424 - Mombasa, 6.4 km S (0404S 3940E): **ROM**: 79657 - Mombasa, well S (ca. 040300S 394000E): **USNM**: 347399 - Moto cave (041619S 393408E): **FMNH**: 152885 - Mukanda river (04 10 S 39 27 E, 152 m): **ROM**: 59196 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 76557 - Shimilani (04 14 00 S 39 36 00 E): **RMCA**: 75.054-M-0007, 75.054-M-0008, 75.054-M-0009, 75.054-M-0010 - Shimoni cave (04 38 50 S 39 23 00 E, 0 m): **ROM**: 46951, 46952, 46953, 46954, 46955, 46956, 76032, 76574, 76579, 76583, 76584, 76586, 76594, 76595, 76597, 76601, 76602, 76604, 76608, 76640, 76642, 76646, 76647 - Similani cave (04 07 49 S 39 36 51 E, 31 m): **AMNH**: 237341, 237342, 237343; **ROM**: 76087, 76088, 76089, 76090, 76091, 81223, 81224, 81225, 81226, 81235, 81236, 81237, 81239, 81240, 81241, 81242 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 66842, 66871, 66872, 66873, 66874, 66875, 66876, 66877, 66878, 66879, 66880, 66881 - Waa (04 10 12 S 39 36 10 E): **ROM**: 73551, 73552, 73554, 73555, 73556, 73557, 73559, 73560, 73561, 73562, 73563, 73564, 73565, 73566; **SAMA**: M13069.

Madagascar:

Ambatofinandra (ca. 203419.5S 464831.8E): **MNHN**: ZM-MO-1950-879 - Ambohimirija caves (162400S 451700E, 80 m): **MNHN**: ZM-MO-1984-1081, ZM-MO-1984-1082, ZM-MO-1984-1083, ZM-MO-1984-1084, ZM-MO-1984-1085, ZM-MO-1984-1086 - Andranomandroy: **MNHN**: ZM-MO-1984-1097, ZM-MO-1984-1098 - Andranomathy cave: **MNHN**: ZM-MO-1984-1096 - Bémaraha cave (ca. 18 45 S 44 50 E): **MNHN**: ZM-MO-1984-1080 - Causse de Namoroka (162400S 451700E, 80 m): **MNHN**: ZM-MO-1947-300 A, ZM-MO-1947-300 B, ZM-MO-1947-300 C, ZM-MO-1947-300 D, ZM-MO-1947-300 E, ZM-MO-1947-300 F, ZM-MO-1947-300 G, ZM-MO-1947-300 H, ZM-MO-1947-300 I, ZM-MO-1947-300 J, ZM-MO-1947-300 K, ZM-MO-1947-300 L, ZM-MO-1947-300 M, ZM-MO-1947-300 N, ZM-MO-1947-300 O - Hiaraka (15 29 S 49 54 E): **MNHN**: ZM-MO-1985-949 - Les Roussettes (12 31 37 S 49 10 19 E, 1000 m): **MNHN**: ZM-MO-1984-1101, ZM-MO-1984-1102, ZM-MO-1984-1103, ZM-MO-1984-1104, ZM-MO-1984-1105, ZM-MO-1984-1106, ZM-MO-1984-1107, ZM-MO-1984-1108, ZM-MO-1984-1109 - Majunga (15 43 S 46 19 E, 124 m): **MNHN**: ZM-MO-1947-298 A, ZM-MO-1947-298 B, ZM-MO-1947-298 C - Manambato (24 31 S 47 16 E, 25 m): **MNHN**: ZM-MO-1985-473 - Maroantsetra (152600S 494400E, 170 m): **MNHN**: ZM-MO-1947-297 M, ZM-MO-1947-297 N, ZM-MO-1947-297 O, ZM-MO-1947-297 P, ZM-MO-1984-1099 - Maroantsétra, 2 days NE: **MNHN**: ZM-MO-1947-302 A, ZM-MO-1947-302 B, ZM-MO-1947-302 C, ZM-MO-1947-302 D, ZM-MO-1947-302 E, ZM-MO-1947-302 F, ZM-MO-1947-302 G, ZM-MO-1947-302 H, ZM-MO-1947-302 I, ZM-MO-1947-302 J, ZM-MO-1947-302 K, ZM-MO-1947-302 L, ZM-MO-1947-302 M, ZM-MO-1947-302 N, ZM-MO-1947-302 O, ZM-MO-1947-302 P, ZM-MO-1947-302 Q, ZM-MO-1947-302 R - Maroantsetra, 40 km NW (1517S 4934E, 400 m): **MNHN**: ZM-MO-1947-297 J, ZM-MO-1947-297 K - Marojéjy (Nature Reserve) (14 22 18 S 49 43 30 E): **MNHN**: ZM-MO-1984-1110, ZM-MO-1984-1111 - Mistinjo: **MNHN**: ZM-MO-1912-43, ZM-MO-1912-44 A, ZM-MO-1912-44 B, ZM-MO-1912-44 C, ZM-MO-1912-44 D, ZM-MO-1947-297 B, ZM-MO-1947-297 C, ZM-MO-1947-297 D, ZM-MO-1947-297 E, ZM-MO-1947-297 F, ZM-MO-1947-297 G, ZM-MO-1947-297 H, ZM-MO-1947-297 I, ZM-MO-1947-297 L, ZM-MO-1947-301, ZM-MO-1984-677, ZM-MO-1985-677, ZM-MO-1985-678 - Morondava (201700S 441700E, 1 m): **MNHN**: ZM-MO-1985-1058, ZM-MO-1985-1059, ZM-MO-1985-1060, ZM-MO-1985-1061 - Mount Ambre (123700S 490900E, 1000 m): **MNHN**: ZM-MO-1947-297 A, ZM-MO-1984-1058, ZM-MO-1984-1060, ZM-MO-1984-1061, ZM-MO-1984-1062, ZM-MO-1984-1063, ZM-MO-1984-1064, ZM-MO-1984-1065, ZM-MO-1984-1066, ZM-MO-1984-1067, ZM-MO-1984-1068, ZM-MO-1984-1069, ZM-MO-1984-1070, ZM-MO-1984-1071, ZM-MO-1984-1072, ZM-MO-1984-1073, ZM-MO-1984-1074, ZM-MO-1984-1075, ZM-MO-1984-1076, ZM-MO-1984-1077, ZM-MO-1984-1100 - Namoroka (162400S 451700E, 80 m): **MNHN**: ZM-MO-1962-2643 - Sarondrano (23 30 37 S 43 44 07 E): **MNHN**: ZM-MO-1912-46 A, ZM-MO-1912-46 B, ZM-MO-1912-46 C, ZM-MO-1912-46 D, ZM-MO-1912-46 E, ZM-MO-1912-46 F, ZM-MO-1912-46 G, ZM-MO-1912-46 H, ZM-MO-1912-46 I, ZM-MO-1912-46 J, ZM-MO-1912-46 K - St Augustin caves (2333S 4346E, 125 m): **MNHN**: ZM-MO-1947-299 A, ZM-MO-1947-299 B - Tsaratanana: **MNHN**: ZM-MO-1996-356.

São Tomé and Principé:

Fundo de Igresa valley (0017N 0638E): **CAS**: 26777, 26778, 26779, 26780, 26781, 26782, 26843, 26844, 26845, 26846 - San Nicolas (00 12 11.69 N 06 38 48.22 E): **MNHN**: ZM-MO-1906-210.

Tanzania:

Unknown locality: **FMNH**: 205315, 205316 - Amboni Cave Forest (05 04 00 S 39 03 00 E, 36 m): **FMNH**: 198003, 198004, 198005, 198006, 198007, 198008, 198009, 198010, 198011, 198012, 198013, 198033, 198034, 198035 - Kiwengwa-Pongwe Forest Reserve cave (0601S 3922E, 29 m): **FMNH**: 198097, 198098, 198099, 198159, 198160, 198161 - Meru Crater (031431S 364714E): **FMNH**: 208063 - Nyambiza Village (06 12 S 39 20 E, 30 m): **FMNH**: 198100, 198101, 198102, 198103, 198105, 198106, 198107, 198108, 198162, 198163, 198164, 198165, 198166, 198167, 198168, 198169, 198170, 198171, 198172 - Siga caves (0504S 3903E): **MCZ**: 38946, 38992, 38993, 38994 - Songwe caves (08 30 00 S 33 48 00 E): **FMNH**: 205313, 205314 - Tanga region: **SMF**: 79547, 79548, 81207 - Zanzibar (06 10 S 39 20 E): **ZMB**: 3268.

Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013

Malawi:

Liwonde National Park (14 52 S 35 21 E, 700 m): **BMNH**: 1987.1178 - Zomba Plateau (15 22 S 35 19 E, 5000 ft): **BMNH**: 1987.1156, 1987.1177.

Mozambique:

Bamboo Inn (15.10306 S 39.21748 E, 420 m): **FMNH**: 213651 (Holotype *Miniopterus mossambicus*), 213652 (Paratype *Miniopterus mossambicus*) - Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8484, 8520 - Manho Forest (15 22 09 S 37 03 40 E, 1600 m): **DNSM**: 9840 - Mount Mabu forest camp (16 16 57 S 36 22 54 E, 980 m): **DNSM**: 10836.

Zambia:

Missale Old Mine (1405S 3259E, 900 m): **BMNH**: 1968.1014, 1968.1015, 1968.1017, 1968.1018.

Zimbabwe:

Umtali mine adit (18 58 29 S 32 39 20 E, 1094 m): **DNSM**: 3687.

Miniopterus natalensis (A. Smith, 1833)

Angola:

Golungo Alto (09 08 S 14 46 E, 577 m): **BMNH**: 1904.4.9.25, 1904.4.9.26 - Huila (15.13S 13.63E): **FMNH**: 83600; **IICA**: 1884 - Kuvango (14 28 00 S 16 18 00 E, 1448 m): **MHNN**: 94.1198 - Kuvango Mission (14 28 00 S 16 18 00E, 1448 m): **RMCA**: 16284.

Botswana:

Central Kalahari-GR, Kuke pan (2319S 2427E): **TM**: 6557.

Cameroon:

Unknown locality: **BMNH**: 1968.330, 1968.331, 1968.905, 1968.906, 1968.907, 1968.908, 1968.909; **SMF**: 42316, 42317 - Buéa (04 09 34 N 09 14 12 E, 1768 m): **FMNH**: 42587, 42588, 42589 - Buéa (04 09 34 N 09 14 12 E, 895 m): **BMNH**: 1919.7.7.2417, 1968.647 - Mount Cameroon (0413N 0910E, 1768 m): **FMNH**: 42590, 42591, 42592, 42593, 42594, 42595.

Congo (Democratic Republic of the):

Unknown locality: **SMF**: 21300, 21301, 21302, 21303, 21304, 21305, 21306, 21307, 21308, 21309 - Albertville (0556S 2912E, 763 m): **RMCA**: 29303 - Baya carrière (11 52 00 S 27 27 00 E, 1279 m): **RMCA**: 34018, 34019, 34020, 34021, 34022, 34023, 34024, 34025, 34026, 34027, 34028, 34029, 34030, 34031, 34032, 34033, 34034, 34035, 34036, 34037, 34038, 34039, 34040, 34041, 34042, 34043, 35020, 35021, 35025, 35027, 35029, 35030, 35031, 35032, 35033, 35034, 35035, 35036, 35037, 35038, 35039, 35040, 35041, 35044, 35045 - Baya caves (115200S 272700E, 1279 m): **RMCA**: 23821, 23921 - Bukavu (02 30 30 S 28 51 39 E, 1498 m): **RMCA**: 82.001-M-0059 - Defrenne cave (10 58 00 S 26 39 00 E): **RMCA**: 28215, 28216, 28217, 28218, 28219, 28220, 28221, 28222, 28223, 28224, 28225, 28226, 28227, 28228, 28229, 28230, 28231, 28232, 28233, 28234, 28235, 28236, 28237, 28238, 28239, 28240, 28241, 28242, 28243, 28244, 28245, 28246, 28247, 28248, 28249, 28250, 28251, 28252, 28253, 28254, 28255, 28256, 28257, 28258, 28259, 28260, 28261, 28262, 28263, 28264, 28265, 28266, 28267, 28268, 28269, 28270, 28271, 28272, 28273, 28274, 28275, 28276, 28277, 28278, 28279, 28280, 28281, 28282, 28283, 28284, 28285, 28286, 28287, 28288, 28289, 28290, 28291, 28292, 28293, 28294, 28295, 28296, 28297, 28298, 28299, 28300, 28301, 28302, 28303, 28304, 28305, 28306, 28307, 28308, 28309, 28310, 28311, 28312, 28313, 28314, 28315, 28316, 28317 - Dethioux farm cave (11 02 00 S 26 35 00 E, 1334 m): **MHNG**: 1046.088, 1046.089, 1046.090, 1046.091 - Dethioux farm, cave II (11 06 00 S 26 29 00 E, 1334 m): **RMCA**: 27914 - Elisabethville (11 40 S 27 26 E, 1209 m): **RBINS**: 17204.01, 17204.02, 17204.03, 17204.04, 17204.05, 17204.06, 17204.07, 17204.08, 17204.09, 17204.10, 17204.11, 17204.12, 17204.13, 17204.14, 17204.15, 17204.16, 17204.17, 17204.18, 17204.19, 17204.20 - Elisabethville (114000S 272600E, 1209 m): **MNHN**: ZM-MO-1957-127 A, ZM-MO-1957-127 B - Grotte de Baya (11 52 00 S 27 27 00 E, 1279 m): **MHNG**: 922.071, 922.072, 922.073, 922.074, 922.075, 922.076, 922.077, 922.078, 922.079, 922.080, 922.081 - Grottes Kiwakishi (ca. 09 00 S 27 12 E): **HZM**: 214.7800 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RBINS**: 14618, 14619; **RMCA**: 27574, 27575, 27576, 27577, 27578, 27579, 27580 - Kaboyaboya cave (09 56 00 S 25 58 00 E): **MHNG**: 1046.092, 1046.093; **RBINS**: 14617 - Kakanda cave (104700S 263600E, 1438 m): **RMCA**: 28166 - Kakontwe cave (105900S 263800E, 1294 m): **CAS**: 12510, 12511, 12512, 12513, 12535; **MHNG**: 1046.072, 1046.073, 1046.074, 1046.075, 1046.076, 1046.077, 1046.078; **RMCA**: 23900, 26727, 26728, 26729, 26730, 26731, 26732, 26733, 26734, 26735, 26736, 26737, 26738, 26739, 26741, 26745, 26754, 26755, 26790, 26805, 26809, 26879, 27565, 27566, 27567, 31218, 31219, 31220 - Kalumbu cave (10 51 00 S 26 39 00 E): **RMCA**: 27553, 27556, 27557, 27558 - Kandu cave (09 56 00 S 25 58 00 E): **MHNG**: 1046.079, 1046.080, 1046.081, 1046.082, 1046.083; **RMCA**: 26782, 26787, 26789, 26803, 26813, 26816, 26818, 26820, 26832, 26834, 26845, 26846, 26847, 26848, 26849, 26850, 26854, 26855, 26856, 26857, 26858, 26859, 26860, 26861, 26862, 26863, 26864 - Kapolowe mission (110200S 265700E, 1135 m): **RMCA**: 23820, 23897 - Kasapa (113400S 272500E, 1243 m): **RMCA**: 23899 - Kasoma cave (09 25 00 S 26 37 00 E): **RBINS**: 14622, 14623, 14624 - Katanga (former) province: **SMF**: 18928, 18929, 18930, 18932, 18933, 18934, 18935, 18936, 19072, 19073, 19074, 19075, 19076, 19077, 19078, 19573 - Kiwakishi cave (09 10 00 S 27 04 00 E, 900 m): **RMCA**: 27293 - Kyamakonde cave (09 56 00 S 25 58 00 E): **RBINS**: 14610, 14611, 14612, 14613, 14614, 14615, 14616 - Kyantapo cave (09 56 00 S 25 58 00 E, 1525 m): **MHNG**: 1046.086; **RMCA**: 26797, 26799, 26871, 26872 - Kyasala cave (09 56 00 S 25 58 00 E, 1300 m): **RMCA**: 23896, 26796, 26801 - Kyasala grande grotte (09 56 00 S 25 58 00 E, 1300 m): **MHNG**: 1046.084 - Lukatu cave (06 59 00 S 29 43 00 E, 827 m): **RMCA**: a7.006-M-0007, a7.006-M-0008, a7.006-M-0009, a7.006-M-0010, a7.006-M-0011 - Luluabourg (055345S 222504E, 608 m): **AMNH**: 207740, 207741, 207742, 207743, 207744, 207745, 207746, 207747, 207748, 207749, 207750, 207751, 207752, 207753 - Lusolo cave (09 57 00 S 25 58 00 E, 1307 m): **MHNG**: 1046.085; **RMCA**: 26804, 26810, 26841, 26870, 26873 - M'Baya cave (115200S 272700E, 1279 m): **RMCA**: 34619, 34620, 34621, 34622, 34623, 34624, 34625, 34626, 34627, 34628, 34629, 34630, 34631, 34632, 34633, 34634, 34635, 34636, 34637, 34638, 34639, 34640, 34641, 34642, 34643, 34644, 34645, 34646, 34647, 34648, 34649, 34650, 34651, 34652, 34653, 34654, 34655, 34656, 34657, 34658, 34659, 34660, 34661, 34662, 34663, 34664, 34665, 34666, 34667, 34668, 34669, 34670, 34671, 34672, 34673, 34674, 34675, 34676, 34677, 34678, 34679, 34680, 34681, 34682, 34683, 34684, 34685, 34686, 34687, 34688, 34689, 34690, 34691, 34692, 34693, 34694, 34695, 34696, 34697, 34698, 34699, 34700, 34701, 34702, 34703, 34704, 34705, 34706, 34707, 34708, 34709, 34710, 34711 - Mpopola cave (09 56 00 S 25 58 00 E, 1450 m): **RMCA**:

28191, 28192 - Mulonga cave (09 56 00 S 25 58 00 E): **MHNG**: 1046.087; **RMCA**: 26788, 26842, 28205, 28206, 28207 - Ntoto cave (06 59 00 S 29 43 00 E, 827 m): **RMCA**: a2.040-M-0001 - Pierkat quarry (115200S 272700E, 1279 m): **RMCA**: 23818, 23870, 23871, 23872, 23873, 23874, 23875, 23876, 23877, 23879, 23880, 23881, 23882, 23883, 23884, 23885, 23886, 23887, 23888, 23889, 23890, 23891, 23892, 23893, 23894, 23895 - Salomoni cave (10 58 48 S 27 16 48 E): **RBINS**: 14602, 14603, 14604, 14605, 14606, 14607, 14608, 14609, 14620, 14621 - Swanepoel II abyss (10 51 00 S 26 42 00 E, 1350 m): **RMCA**: 27568, 27569, 27570, 27571, 27572, 27573 - Tantara cave (11 02 00 S 26 29 00 E, 1334 m): **RMCA**: 26807, 26808, 26826, 26874, 26875 - Tenke (10 35 S 26 07 E, 1512 m): **RBINS**: 14625 - Thysville (051500S 145200E, 604 m): **AMNH**: 49288, 49289, 49292, 49309, 49318, 49321, 49324, 49328, 49331, 49333, 49334, 49335; **MCZ**: 17222; **RBINS**: 1456B, 22425.01, 22425.02, 22425.03, 22425.04, 22425.05, 22425.06, 22425.07, 22425.08, 22425.09, 22425.10, 22425.11, 22425.12, 22425.13, 22425.14, 22425.15, 22425.16, 22425.17, 22425.18, 22425.19, 22425.20, 22425.21, 22425.22, 22425.23, 22425.24, 22425.25, 22425.26, 22425.27, 22425.28, 22425.29, 22425.30 - Thysville, cave (051600S 145200E): **RMCA**: 10061, 16450a - Thysville, cave b 12 a (05 16 00 S 14 52 00 E): **RMCA**: 22501.

Ethiopia:

Unknown locality: **BMNH**: 1971.616, 1972.288_1, 1972.288_2, 1972.288_3, 1972.288_4; **SMF**: 44988, 44989, 44990, 44991, 44992, 44993, 44994, 44995, 45735, 47863, 47864, 47865 - Forty Springs (06 02 N 37 36 E): **SMF**: 49111, 49112, 49113, 49114, 49115, 49116, 49117, 49118 - Masha, Baro River (07.87 N 35.48 E, 2222 m): **NMP**: 92177, 92178 - Sandford's Ranch (0955N 3756E): **FMNH**: 30717 - Sanfords Ranch (0955N 3756E): **TM**: 10015 - Sof Omar cave (06 54 22 N 40 50 42 E, 1340 m): **ROM**: 71943.

Greece:

Mount Gova: **TM**: 1128.

Guinea:

Pic de Foko (08 29 35 N 08 53 48 W, 1289 m): **ZFMK**: 2008.0305 - Tourela, 2.3 km E (08 30 32 N 08 57 00 W, 621 m): **ZFMK**: 2008.0304 - Western Spur Valley (08 33 26 N 08 55 16 W, 900 m): **ZFMK**: 2009.0025, 2009.0026 - Whiskey 1 (08 32 56 N 08 53 57 W, 1175 m): **ZFMK**: 2009.0024.

Kenya:

Unknown locality: **BMNH**: 1910.4.1.27, 1970.726, 1975.2634, 1975.2634_1, 1975.2634_2, 1975.2634_3, 1975.2634_4, 1975.2634_5, 1975.2634_6, 1975.2634_7, 1975.2635, 1975.2636, 1975.2637, 1975.2638, 1975.2639, 1975.2640, 1975.2641, 1975.2642, 1975.2643, 1975.2643_1, 1975.2643_2, 1975.2643_3, 1975.2643_4, 1975.2643_5, 1975.2644, 1975.2645, 1975.2646, 1975.2647, 1975.2648, 1975.2956, 1976.305; **SMF**: 19461, 19462, 19862, 19863, 48659; **USNM**: 317129, 317130, 317131, 317132, 317133, 317134, 317135, 317136, 317138 - Barberton Cave (0045N 3445E, 2100 m): **ROM**: 40291, 40292, 40293, 40294, 40295, 40296, 40297, 40298, 40299, 40300, 40301, 40302, 40303, 40304, 40305 - Busia (002800N 340600E, 1206 m): **AMNH**: 184360, 184361, 184362, 184363, 184462 - Central Elgon: **ROM**: 65806 - Central Elgon (0105N 3445E, 1981 m): **ROM**: 65693, 65695, 65696, 65698, 65703, 65704, 65759, 65760, 65761, 65762, 65763, 65764, 65765, 65766, 65767, 65768, 65769, 65770, 65771, 65772, 65773, 65774, 65776, 65777, 65779, 65780, 65781, 65782, 65783, 65784, 65785, 65786, 65787, 65788, 65789, 65791, 65792, 65794 - Central Elgon East (0105N 3440E): **ROM**: 65795, 65796, 65798, 65799, 65800, 65801, 65802 - Cherangani Hills (0115S 3527E, 1981 m): **ROM**: 65681, 65682, 65683, 65684, 65685, 65686, 65687, 65689, 65690, 65691, 65692 - Cherangani Mountains, Tangasia [= Tangasha] River (011400N 352300E, 2286 m): **ROM**: 48539, 48540, 48541, 48542, 48543 - Devil's cave (0045N 3445E): **WNMU**: 6435 - Diatomite mine (00 25 49 S 36 10 25 E): **MCZ**: 59763, 59882; **MMU**: PWW2842, PWW2843, PWW2844, PWW2845, PWW2846, PWW2847, PWW2848, PWW2918; **ROM**: 36404, 36405, 36406, 36407, 36408, 36409, 36410, 36411, 36412, 36413, 36414, 36415, 36416, 36417, 36418, 36419 - Eastern [former] province: **SMF**: 57589, 57590, 57591, 57592 - Elgon Caves (00 52 N 34 27E, 1951 m): **AMNH**: 30779 - Elgon, Mount (0107N 3435E, 1890 m): **ROM**: 65418, 65419, 65420, 65421, 65422, 65423, 65424, 65425 - Endebess (0104N 3451E): **ROM**: 67955 - Endebess, 3 mi W (0107N 3449E, 2134 m): **USNM**: 436888, 436889, 436890, 436891, 436892, 436893, 436894, 436895, 436896, 436897, 436898, 436899, 436900, 436901, 436902, 436903, 436904, 436905, 436906, 436907, 436908, 436909, 436910, 436911 - Hunter's Lodge, near (02 12 41 S 37 42 55 E, 1067 m): **ROM**: 81213 - Kakamega, 6 km S, 16 km E (0013N 3454E): **MCZ**: 59764 - Kariandusi mines (00 27 05 S 36 16 55 E): **MMU**: PWW2746, PWW2747, PWW2748, PWW2749, PWW2750, PWW2751, PWW2752, PWW2753, PWW2754, PWW2755, PWW2756, PWW2757, PWW2758, PWW2759, PWW2760; **ZMA**: MAM.20433, MAM.20434 - Kiboboko River: **ROM**: 36401 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **AMNH**: 237344 - Kiboko cave (02 11 00 S 37 43 00 E, 930 m): **ROM**: 76082, 76083 - Kilaguni Lodge (02 54 21 S 38 03 34 E): **ROM**: 36403 - Kimilili, near (ca. 0047N 3443E): **ROM**: 39026, 39027, 39030 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **ROM**: 65808, 65814, 65815, 65816, 65817, 73344, 73345, 73347, 73348 - Kitale, 12 mi W (0102N 3450E): **USNM**: 436874, 436875, 436876, 436877, 436878, 436879, 436880, 436881, 436882, 436883, 436884, 436885, 436886, 436887 - Kitale, 20 mi SW (0045N 3445E, 1829 m): **FMNH**: 152894, 152895 - Kitale, 20 mi SW (0045N 3445E, 1830-2134 m): **MSB**: 19599; **USNM**: 351257, 351258 - Kitale, 22.5 km W (0101N 3449E): **ROM**: 73317 - Kitale, 22.5 km W (0101N 3449E, 1890 m): **ROM**: 73323, 73324, 73325, 73326, 73327, 73328, 73329, 73330, 73331, 73332 - Kitale, 25 mi [=40 km] NW (ca. 01 01 N 35 01 E, 2042 m): **CAS**: 11964, 11965 - Kitale, 48 km from (0103N 3435E): **ROM**: 65607, 65608, 65609, 65610, 65611 - Kitale, 50 km from (0103N 3435E): **ROM**: 65612, 65613 - Kitale, 50 km from (0103N 3435E, 1950 m): **ROM**: 65615, 65616, 65617, 65618, 65619, 65620, 65621, 65622, 65623, 65624, 65625, 65626, 65627, 65628, 65629, 65630, 65631, 65632, 65633, 65634, 65635, 65636, 65637, 65638, 65639, 65640, 65641, 65642, 65643, 65644, 65645, 65646, 65647, 65648 - Kongelai Escarpment, Tambala Falls (2134m): **FMNH**: 152896 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **ROM**: 68457, 68459, 73237; **USNM**: 162104, 166539, 166540, 166591, 166592, 166593, 166594; **WNMU**: 380 - Lake Naivasha, E shore (ca. 00 46 00 S 36 21 00 E, 6000 ft): **USNM**: 162105 - Lower Ngare Nyuki: **USNM**: 184333 - Lukenia (0129S 3703E): **USNM**: 351013 - Maji Moto (0013N 3606E, 1102 m): **USNM**: 436912 - Makindu cave (021700S 374900E, 1070 m): **ROM**: 76084, 76085, 76086 - Makindu, Upper cave (0217S 3749E, 1585 m): **ROM**: 81216 - Malikisi River, Malikisi Caves (0037N 3413E, 2610 m): **ROM**: 65744, 65745, 65746, 65747, 65748, 65749, 65750, 65751, 65752, 65753, 65754, 65755, 65756, 65757, 65758 - Maragat, 15 mi [= 24 km] N (0037N 3602E, 1006 m): **USNM**: 436913, 436914, 436915, 436916, 436917, 436918, 436919, 436920, 436921, 436922, 436923, 436924, 436925 - Masol Location (013900N 354200E, 762 m): **ROM**: 40238 - Mau Mau cave (00 13 01 S 37 08 14 E): **MMU**: PWW2761, PWW2762, PWW2763, PWW2764, PWW2765, PWW2766, PWW2767, PWW2768, PWW2769, PWW2770, PWW2771, PWW2781, PWW2783 - Maungu (61m): **ROM**: 68676, 77519 - Menengai Crater (00 12 00 S 36 04 00 E, 1860 m): **ROM**: 66643, 66644, 66645, 66646, 66647, 66648, 66649, 66650, 66651, 66652, 66653, 66654, 66655, 66656, 66657, 66658, 66659, 66660, 66661, 66662, 66663, 66664, 66665, 66666, 66667, 66668, 66669, 66670, 66671, 66672, 66673, 66674, 66676, 66677, 66678, 66679, 66680, 66681, 66682, 66683, 66684, 66685, 66686, 66687, 66688, 66689, 66690, 66691, 66692, 66693, 66694, 66695, 66696, 66697, 66698,

66699 - Menengai Crater (00 12 00 S 36 04 00 E, 1860-2865 m): **FMNH**: 152900; **USNM**: 317939, 317940 - Menengai Crater (00 12 00 S 36 04 00 E, 1951 m): **ROM**: 75516, 75517, 75518, 75519, 75520, 75521, 75522, 75523 - Menengai Crater (00 12 00 S 36 04 00 E, 1981 m): **USNM**: 436844 - Menengai Crater (00 12 00 S 36 04 00 E, 2103 m): **FMNH**: 152890, 152891 - Menengai Crater (00 12 00 S 36 04 00 E, 2134 m): **USNM**: 351007, 351008, 351009, 351010, 351011 - Menengai Crater (00 12 00 S 36 04 00 E, 2256 m): **USNM**: 317929, 317930, 317931, 317932, 317933, 317934, 317935, 317936, 317937, 317938 - Menengai Crater (00 12 00 S 36 04 00 E, 2865 m): **FMNH**: 91691, 91692, 91693, 91694, 91695, 91696, 91697, 91698, 91699, 91700, 91701, 91702, 91703, 91704, 91705, 91706 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1860-2865 m): **ROM**: 76049, 76050, 76051, 76052, 76054; **USNM**: 351004, 351005, 351006, 351250 - Mount Elgon (ca. 010043N 344415E, 1920 m): **ROM**: 50803, 50804, 50805, 50806, 50807, 50808, 50809, 50810, 50811, 50812, 50813, 50814, 51908, 73452, 73466, 73467, 73468, 73469, 73470, 73471, 73472, 73474, 73475, 73476, 73477 - Mount Elgon Caves (00 52 N 34 27E, 1951 m): **ROM**: 37017, 37018, 37019, 37020, 37021, 37022 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1830-2500 m): **SAMA**: M13068 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1900 m): **ROM**: 42939 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1920 m): **ROM**: 50815, 50816, 50817, 50818, 50819, 50820, 50821, 50822, 50823, 50824, 50825, 50827 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1980 m): **ROM**: 56315, 56318, 56340, 56341 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1981 m): **ROM**: 56330 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 2500 m): **ROM**: 44268, 44270, 44271, 44272, 44273 - Mount Elgon, S face (0058N 3455E, 2000 m): **ROM**: 35874, 35878, 35879, 35889, 35890 - Mount Menengai (00 12 00 S 36 04 00 E, 2256 m): **FMNH**: 85235, 85236, 85467, 85468, 85469, 85470, 85471, 85472, 85473, 85474, 85475, 85476, 85477, 85478 - Mount Ololdiani (0006S 3543E): **FMNH**: 152889 - Mt. Elgon-NP, Chepnyalil Cave (0108N 3433E, 2500m): **HNHM**: 98.65.1, 98.65.2, 98.65.3 - Mtembur (012100N 350300E, 1670 m): **ROM**: 40239 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **USNM**: 351012 - Naivasha, 2 mi [= 3.2 km] SE (Lake Hotel) (00 44 S 36 26 E): **FMNH**: 152899 - Nakuru (00 17 00 S 36 04 00 E, 1952 m): **ROM**: 76033, 76034, 76077 - Nanyuki (00 01 00 N 37 04 00 E, 1986 m): **ROM**: 66239, 66240, 66241, 66242, 66243 - Njoro (001900N 360600E, 2286 m): **ROM**: 68528, 68529, 68530, 68531, 68532 - North-East face of Mount Elgon (ca. 010006N 344656E): **ROM**: 58994, 58995, 58996, 58997, 58998, 58999, 59000, 59001, 59002, 59003, 59004, 59005, 59006, 59007, 59008, 59009, 59010, 59011, 59012, 59013, 59014, 59015, 59016, 59017, 59018, 59019, 59020, 59021, 59022, 59023, 59056, 59057, 59058, 59059, 59060, 59061, 59062, 59063, 59064, 59065, 59066, 59067, 59068, 59069, 59070, 59071, 59072, 59073, 59074, 59075 - North-East face of Mount Elgon (ca. 010006N 344656E, 1920 m): **ROM**: 50828, 50829, 50830, 50831, 50832, 50833, 50834, 50835, 50836, 50837, 50838, 50839, 50840, 50841, 50842, 50843, 50844, 50845, 50846, 50847, 50848, 50849, 50850, 50851, 50852 - Northern Guaso Nyiro, Nanyuki river (ca. 00 06 S 37 13 E): **USNM**: 181811 (Holotype *Miniopterus natalensis arenarius*) - Nyamindi (0040S 3725E, 1463 m): **FMNH**: 199741 - Nyangala hill (0337S 3844E): **ROM**: 71187 - Pipeline cave (00 32 21 S 36 17 40 E): **MMU**: PWW2811, PWW2812, PWW2813, PWW2814, PWW2815, PWW2816 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 63907 - Rongai, 5 km S (0011S 3552E): **ROM**: 73126 - Rongai, 5 km S (0011S 3552E, 1981 m): **ROM**: 73127 - Rongai, 5 mi SW (ca. 0011S 3552E): **FMNH**: 152892, 152893 - Saboti (005600N 345000E, 1951 m): **ROM**: 35865 - Saboti, 3 mi [= 4.8 km] SE (0053N 3450E, 1951 m): **USNM**: 436845, 436846, 436847, 436848, 436849, 436850, 436851, 436852, 436853, 436854, 436855, 436856, 436857, 436858, 436859, 436860, 436861, 436862, 436863, 436864, 436865, 436866, 436867, 436868, 436869, 436870, 436871, 436872, 436873 - Saiwa river (0116N 3507E, 610 m): **ROM**: 65933, 65934, 65935 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152897, 152898 - South-East slope of Mount Elgon (ca. 0108N 3433E, 1829 m): **FMNH**: 67934, 67935, 67936, 67937, 67938, 67958, 67959, 67960, 67961, 67962, 67963, 67964, 67965 - Tsavo West National Park, NW of Kilaguni Lodge (ca. 02 53 58 S 38 03 18 E): **ZMA**: MAM.21069, MAM.21071 - Turah (0032S 3702E): **USNM**: 182697 - Ulucania Hills (0129S 3703E): **USNM**: 166595, 166596 - Voi, 30 km SE (0334S 3846E): **ROM**: 77503 - West Pokot Escarpement (0128N 3501E, 1219 m): **ROM**: 39535, 39536, 39538, 39540, 39541, 39551, 39555, 39560, 39568, 39575, 39584 - Western [former] province: **SMF**: 38454, 38522, 38523, 38524, 39425.

Lesotho:

Thaba-Tseka (2928Da): **NMB**: 8157, 8159.

Malawi:

Likabula mission (15 57 S 35 24 E): **TM**: 41788, 41797, 41801 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420 m): **MVZ**: 220916, 220917 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1541 m): **FMNH**: 192113 - Zomba Plateau (15 22 S 35 19 E, 5000 ft): **AMNH**: 161928, 161929, 161930, 161931; **KM**: 11760.

Mozambique:

Aldeia Chiuta [= Chiuta, Chuta] (153344S 331723E, 700m): **USNM**: 365455 - Chiutu (15.57S 33.28E): **USNM**: 365454 - Massamba, 16 km E (16.13S 33.63E): **USNM**: 354448 - Mkuzi Reserve: **NMR**: 888000000745 - Moamba (25.6S 32.23E): **USNM**: 352116 - Muchena (15 40 56 S 33 48 20 E, 356 m): **TM**: 14695, 14696, 42736, 42737; **USNM**: 365439, 365440, 365441, 365442, 365443, 365444, 365445, 365446, 365447, 365448, 365449, 365450, 365451, 365452, 365673, 365674, 365675, 365676, 365677, 365678, 365679, 365680, 365681, 367555, 367556, 367557, 367558, 367559, 367560, 367561, 367562, 367563, 367564, 367565, 367566, 367567, 367568, 367569, 367570, 367571 - Ressano Garcia, 10 km SSE (25.37S 32.05E): **NMZL**: 863127 - Tete district (ca. 1530S 3300E): **TM**: 14694 - Vila Gamlto, 10 km N (14.08S 33.02E): **USNM**: 365453 - Zinave NP (21.37S 33.87E): **NHMZ**: 63128.

Namibia:

Unknown locality: **BMNH**: 1935.1.6.44, 1935.9.1.78, 1935.9.1.80, 1935.9.1.81, 1935.9.1.82, 1935.9.1.92; **QM**: JM6368; **RMCA**: a1.091-M-0007; **SMF**: 11782, 11783, 11784, 11785, 11786, 89529, 89530 - 12 mi [= 19 km] E Windhoek,Finkenstein Farm (223306S 171447E): **MVZ**: 117236 - Arnhem Cave (22.7S 18.1E): **SMW**: 6535 - Arnhem cave (23 27 S 18 32 E): **MNHN**: ZM-MO-2001-1562 - Bats Hole (2239S 1531E): **TM**: 28900, 28901, 28902, 28903 - De Valle (24 18 S 16 18 E): **SMW**: 13635 - Evergreen Campsite (21.44618S 15.87924E): **TM**: 48687, 48688, 48689 - Farm Arnhem [=Arnem] (2241S 1808E): **TM**: 16378, 16379, 16380, 16381 - Farm Otjikoko Sud 61 [Pipistrelle Cave] (2118S 1627E): **TM**: 37637, 37638, 37639, 37640, 37641, 37642, 37643, 37647, 37648, 37649 - Gobabeb, Namib Desert (23.55S 15.05E): **USNM**: 537300 - Grootfontein, NW (19.34S 17.34E): **KM**: 31458 - Munsterland (20.24S 15.88E): **SMW**: 14579 - Namib-Naukluft NP, Bat's Hole (22.65S 15.52E): **SMW**: 7585 - Oakwengaga (22 40 S 14 50 E): **RMCA**: 95.093-M-0008 - Okongava (22.13S 15.88E): **SMW**: 2724 - Omaruru, 30 km NW (20.97S 15.3E): **LACM**: 52699 - Opuwo, 70 km S (17.47S 13.03E): **LACM**: 58993 - Opuwo, SE (18.63S 14.15E): **KM**: 2236 - Otjimbingue (2215S 1610E): **ZMB**: 3299 - Otjitundua (18 37 S 14 08 E, 1517 m): **BMNH**: 1928.9.11.56, 1928.9.11.57, 1928.9.11.58, 1928.9.11.59 - Pipistrelle Cave (21.3S 16.45E): **SMW**: 11317 - Quickborn (2109S 1705E): **TM**: 4666 - Rooibank (23.13S 14.63E): **SMW**: 2685 - Rooibank (2310S 1436E): **TM**: 43177 - Rundu, S (18.6S 19.7E): **KM**: 2243 - Sinclair Mine (25.63S 16.63E): **SMW**: 3868 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **KM**: 28251 - Witvlei (2229S 1820E): **BMNH**: 1926.12.7.15 (Holotype *Miniopterus smitianus*).

South Africa:

Unknown locality: **SMF**: 44807 - Amanzimtoti (30 03 00 S 30 52 48 E, 16 - 83 m): **DNSM**: 85 - Amanzimtoti (30 03 00 S 30 52 48 E, 50 m): **DNSM**: 7232 - American cave (25 54 00 S 27 46 00 E): **TM**: 16162, 16163, 16408, 16409, 19211, 19212, 40120, 40121, 40122, 40123, 40124, 40125 - Bathurst (33.58S 26.89E): **KM**: 21112 - Bayete Camp (27 46 48 S 32 18 36 E, 56 m): **DNSM**: 11643 - Berlin: **TM**: 47106 - Blouberg Private Nature Reserve] (23 02 S 29 07 E, 584 m): **DNSM**: 13634, 13635 - Blurweberg cave (254800S 275859E): **TM**: 12564, 12565, 12567, 12568, 12569 - Bredasdorp (34 23 04 S 19 49 27 E, 166 m): **NHMZ**: 63064 - Bredasdorp, NW (34.38S 19.81E): **KM**: 30484 - Buffelshoek Farm 446 KQ (244018S 272138E): **USNM**: 575304, 575305, 575306, 575307, 575308, 575309, 575310, 575311, 575312, 575313, 575314, 575315, 575316, 575317, 575318, 575319, 575320, 575321, 575322, 575323, 575324, 575325, 575326, 575327, 575328, 575329, 575330, 575331, 575332, 575333, 575334 - Bushman Cave (33.83S 20.17E): **SAMC**: 14563d - Cape province: **BMNH**: 1876.5.24.1 - Cape Town (33 55 00 S 18 25 00 E, 6 m): **MCZ**: 4554 - Cederberg, Algeria State Forest, campsite (3221S 1903E): **TM**: 35149, 38421 - Cederberg, Pakhuis Pass, Kliphuis camp site (320810.248S 190010.08E): **TM**: 47703 - Chilanga cave: **USNM**: 156335, 156336, 156337, 219293, 219294 - Cinnabar mine (254836S 310036E): **TM**: 1991, 1992 - city centre (2545S 2814E): **TM**: 46711 - Crowned Eagle Lodge, below (23 00 40 S 29 45 48 E, 1374 m): **DNSM**: 13549 - Danielskuil, 10 km N (28.1S 23.55E): **MMK**: MAM/2455 - De Hoop Provincial Nature Reserve (3318S 2516E): **USNM**: 342647 - De Hoop, 25 km NNE (33.38S 20.38E): **USNM**: 342646 - De Hoop, NR (34.43S 20.42E): **SAMC**: 35669 - De Hoop, wildproefplaats (34 27 18 S 20 23 57 E): **ZMA**: MAM.02767 - Doornkraal campsite (27 30 27 S 31 12 25 E): **DNSM**: 5898 - Dumisa Gold Mine (30 16 05 S 30 26 29 E, 685 m): **TM**: 30132, 36268, 36269, 36270, 36271, 36272, 36273, 36274, 36275, 36276, 36277, 36278, 36279, 36280, 36281, 36282, 36283, 36284, 36285, 36286, 36287, 36288, 36289 - Durban (29 51 00S 31 01 00 E, 27 m): **BMNH**: 1846.6.2.19 (Cotype *Vespertilio scotinus*) - Eagles Nest Farm (22 58 26 S 29 55 59 E, 1277 m): **DNSM**: 13594 - East London (33.15S 21.92E): **KM**: 24317 - Entabeni State Forest (23 02 07 S 30 11 33 E): **TM**: 41640, 41641, 41642, 41643, 41644, 41645, 41646 - Eston (29 52 14 S 30 30 24 E, 688 m): **DNSM**: 7904 - Farm Buffelspoort 149 JQ (2507S 2737E): **TM**: 20016 - Farm Cyprus 68 (2412S 3016E): **TM**: 25292 - Farm Goedhoek [=Goudhoek] (2823S 3104E): **TM**: 30133, 30140, 30142, 30143, 36406, 36407, 36408, 36409 - Farm Haffenden Heights 35KT (24 07 00 S 30 00 30 E): **TM**: 46881 - Farm Hectorspruit (25 26 S 31 41 E): **TM**: 1129, 1130, 1131, 1132, 1133, 1134a, 1322, 1323 - Farm Kaalfontein 261, Ubumanzi Game Farm (2412S 2835E): **TM**: 45128 - Farm Kersefontein [=Berg River] (32 54 13 S 18 19 51 E): **DNSM**: 5508 - Farm Klipfontein 407, Echo caves (243328S 303628E): **TM**: 23424, 40838, 40839, 40840, 40841, 40842, 40843, 40844 - Farm Klipgat 217JT (251100S 304300E): **TM**: 46446, 46450 - Farm Koegelbeen / Farm Brakfontein, Koegelbeen cave (2840S 2321E): **TM**: 40671, 40672, 40673, 40674, 40675, 40676, 40677, 40678, 40679, 40680, 40681 - Farm Makapansgat 39, Makapan cave (2409S 2911E): **TM**: 4270 - Farm Makapansgat 39KS, Ficus cave (2409S 2911E): **TM**: 12561, 12562, 12563 - Farm Makapansgat, Makapan cave (2409S 2911E): **TM**: 42676, 42677 - Farm Makapansgat, Pepercorn's cave (2408S 2912E): **TM**: 42544, 42545, 42546, 42547, 42548, 42549, 42550, 42551, 42552, 42553, 42554, 42555, 42556, 42557, 42558, 42559, 42560, 42561, 42562, 42563, 42564, 42565, 42567, 42568, 42569, 42570, 42571, 42572, 42573 - Farm Mokeetsi 376 (23 42 S 30 08 E): **TM**: 41019 - Farm Olifantspoort 328 [=Retiefkloof] (25 50 S 27 15 E): **TM**: 19645 - Farm Olivewood 284 (2710S 2249E): **TM**: 41521, 41522, 41523, 41524, 41528, 41529, 41530, 41531 - Farm Randstephane 455 KQ [=Farm Donkerpoort 448] (243704.944S 273907.92E): **TM**: 20594, 20595, 20596, 20597, 20598, 20599, 20600, 20601, 20602, 20603, 20604, 20605, 20606, 20607, 20608, 20625 - Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave (24 37 05 S 27 39 08 E): **TM**: 15574 - Farm Sterkspruit 412KT (24 37 S 30 37 E): **TM**: 46484 - Farm Wonderfontein (2548S 2952E): **TM**: 1106, 1107, 1108 - Farm Wonderfontein, River cave (2548S 2952E): **TM**: 1105, 1109, 1110, 1111, 1112, 1113, 1115, 1116, 1117, 1118, 1119, 41021 - Figtree camp (222550S 311150E): **TM**: 37014, 37015, 37016 - Forest Hills (29 45 S 30 49 E, 534 m): **DNSM**: 4806 - Fort Yellond Farm (28 50 59 S 31 13 19 E, 742 m): **DNSM**: 8369, 8370 - Fountains (25 47 S 28 11 E): **USNM**: 376758, 376759, 376760, 376761, 376762 - Garsfontein (2448S 2818E): **TM**: 2440, 2441, 2442, 42574, 42575, 42576, 42577, 42578, 42579, 42580, 42581, 42582, 42583, 42584, 42585, 42586, 42587, 42588, 42589, 42590, 42591, 42678, 42679, 42680, 42681, 42682, 42683, 42684, 42857, 42862, 42863, 42864, 42865, 42866, 42867, 42868, 42869, 43182, 43183, 43184, 43185, 43186, 43187, 43189, 43190, 43191, 43192, 43193, 43194, 43195, 43196 - Gat Koppies (24 37 05 S 27 39 08 E): **TM**: 41022 - Gatkop cave (24 37 05 S 27 39 08 E): **TM**: 48444, 48445, 48446, 48447, 48448, 48449 - Gatkoppies (24 37 05 S 27 39 08 E): **TM**: 1120, 1121, 1122, 1123, 1125, 1126 - Gattis koppies (24 37 05 S 27 39 08 E): **BMNH**: 1909.7.2.6 (Holotype *Miniopterus breyeri*) - Gerlachshoop: **ZMB**: 3923 - Gladysvale Farm (255400S 274600E, 1527 m): **MVZ**: 117234, 117235 - Graaff Reinet, 30 km SE (32.45S 24.75E): **USNM**: 424105 - Grahamstown (331800S 263200E, 500 m): **MNHN**: ZM-MO-1997-1962 - Griekwastad, 25 km NNE (28.63S 23.3E): **MMK**: MAM/2434 - Groenkloof (25 48 S 28 12 E): **TM**: 2944, 2945, 2946 - Hankey (33.82S 24.85E): **KM**: 21183 - Harrismith (2828Bb): **NMB**: 7888, 7901 - Harrismith [Warden] (2729Cc): **NMB**: 7707 - Hennops river (2548S 2759E): **TM**: 14728 - Hilton Railway tunnel (29 31 S 30 18 E, 1140 m): **TM**: 36214, 36215, 36216, 36219, 36220, 36225, 36251 - Hotazel, 15 km WNW (27.18S 22.82E): **MMK**: MAM/2492 - Houtbosdorp, 2 mi E (ca. 234855S 295359E): **USNM**: 384304 - Huhea cave (225614S 300621E): **TM**: 39005, 39006, 39007 - Humansdorp (33.98S 23.65E): **KM**: 23873 - Ingwavumia (2707S 3202E): **TM**: 7129, 7130, 7131, 7132, 7133, 7134, 7135, 7136, 7137, 7138 - Insizwe Mine (30 48 13 S 29 16 52 E, 1140 m): **DNSM**: 7086, 7087, 7088, 7089, 7090, 7091 - Interior of Caffraria: **BMNH**: 1848.6.12.19 (Cotype *Vespertilio Natalensis*), 1849.8.16.25 (Syntype *Vespertilio d'asythrix*); **RMNH**: MAM.25093 (Syntype *Vespertilio d'asythrix*) - Irene, Irene cave (255136S 281348E): **TM**: 40052, 40053, 40054, 40055, 40059 - Jagersfontein Commonage (2925Cb): **NMB**: 7582, 7597, 7598, 7607, 7610, 7612, 7613, 7620, 7622, 7624, 7637, 7672, 7673, 7678 - John Nash Nature Reserve (25 54 S 27 46 E): **ROM**: 45565, 45604, 45606, 45607, 45672, 45673, 45674, 45675, 45676, 45677, 45678, 45679, 76078, 76079, 76080; **USNM**: 342640 - Jozini Dam (27 25 00 S 31 58 00 E): **DNSM**: 7111 - King William's Town (32 53 00 S 27 24 00 E, 363 m): **AMNH**: 146785, 146786; **KM**: 24396; **MCZ**: 37044, 37045, 37046, 37047 - King William's Town, 18 km NW (32.72S 27.28E): **USNM**: 344272 - Knysna (3402S 2303E): **TM**: 1100, 1101, 1102 - Koegelbeen Cave (28 39 11 S 23 20 55 E): **DNSM**: 10137, 10140 - Koegelbeen Caves (2823Cb): **NMB**: 11068, 11069, 11073, 11074, 11076, 7505, 7506, 7507, 7510, 7511, 7512, 7513, 7514, 7515, 7516, 7520, 7521, 7522, 7523, 7533, 7534, 7536, 7537, 7538, 7539, 7540, 7541, 7542, 7543, 7544, 7545, 7546, 7547, 7548, 7549, 7550, 7552, 7553, 7554, 7555, 7556, 7557, 7558, 7559, 7733, 7734, 7735, 7736, 7737, 7738, 7739, 7740, 7741, 7742, 7743, 7744, 7745, 7746 - Kruger Gate bridge (24 58 48S 31 29 00 E): **TM**: 40050 - Kruger-NP, Bangu gorge caves (2407S 3152E): **TM**: 36894, 36895 - Kuruman (2727S 2325E): **TM**: 35703, 35755, 35756, 35757, 35758, 35759, 35760, 35761, 35762, 35763 - Kuruman, 10 km SW (27.57S 23.37E): **MMK**: MAM/2367 - Kuruman, 26 km S (27.7S 23.43E): **MMK**: MAM/2460 - Kuruman, the Eye (27.45S 23.42E): **MMK**: MAM/2368; **USNM**: 381597, 381598, 381599, 381600, 381601, 381602, 381603, 381604, 381605, 381606, 381607, 381608, 381609, 381610, 381611, 381612, 381613, 381614, 381615, 381616, 381617, 381618, 381619 - KwaZulu-Natal province: **BMNH**: 1951.21, 1951.22, 1951.23, 1951.24, 1951.25, 1951.26; **SMF**: 55048, 55049 - Letaba Ranch (23 36 44 S 31 05 20 E):

TM: 25595 - Limpopo-Levuvhu Rivers confluence (222436S 311048E): **TM**: 36980, 36981 - Loskopdam Nature Reserve (2523S 2920E): **TM**: 19877 - Louw's [=Lowes] Creek (2539S 3118E): **TM**: 2484 - Louw's [=Lowes] Creek, Imperial mine (2539S 3118E): **TM**: 2483 - Maclear (3028Cc): **NMB**: 5933 - Maclear (3028Cd): **NMB**: 5876, 5877, 5878, 5879 - Mahlangeni (23 38 50 S 31 08 47 E): **KNP**: 164 - Maitland mine (335912S 251734E): **MVZ**: 117213, 117214, 117215, 117216, 117217, 117218, 117219, 117220, 117221, 117222, 117223, 117224, 117225, 117226, 117227, 117228, 117229, 117230, 117231, 117232, 117233 - Makatini Research Village Pongola River (27 15 S 32 13 E): **DNSM**: 6963 - Malelane (2528S 3131E): **TM**: 30025 - Malelane (252900S 313100E, 271 m): **AMNH**: 257445, 257446 - Malelane Old Mine Shaft (ca. 2528S 3131E): **TM**: 47622 - Malelane, 12 km SW (25.53S 31.54E): **USNM**: 381647 - Malelane, 7 mi [= 11 km] SW (2533S 3128E): **USNM**: 381648, 384770 - Mangadyane Koppies (24 18 18 S 31 39 42 E): **KNP**: 111 - Mariepskop Research Station (2441S 3054E): **TM**: 42875, 42876, 42877, 42878 - Matupa Koppie (25 03 38 S 31 19 19 E): **KNP**: 66 - Minaars cave (260022.824S 274411.04E): **TM**: 47763 - Mission Rocks (28 15 36 S 32 29 48 E, 4 m): **DNSM**: 5956, 6787, 6791, 6792, 6794, 6795, 6796 - Mission Rocks Bat Cave (28 16 S 32 30E): **DNSM**: 5957, 5958, 5959, 5960 - Mission Rocks Bat Cave (28 16 S 32 30E, 0 m): **DNSM**: 4449, 4450, 4460, 4461 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **ROM**: 41729 - Mmabolela Estates [=Mmqbolela Estates] (2240S 2815E): **TM**: 19721 - Montagu (33.83S 20.17E): **KM**: 30839 - Monument Park, Monument Park caves (252736S 281348E): **TM**: 19398, 19399, 19400, 19401, 19402 - Mooiplaas, SAPPI (28 33 30 S 31 09 55 E, 864 m): **DNSM**: 5593, 5594, 5595, 5596, 5597, 5598 - Mount Ayliff (30.8S 29.28E): **KM**: 26115 - Mpumalanga province (245317S 304821E): **TM**: 47625 - Nahoon Point, 5 km S, 7.5 km W (33 02 45 S 27 52 05 E): **MSB**: 47957; **TTU**: 36637 - Ndumo Game Reserve (26 52 00 S 32 15 00 E): **ROM**: 41731 - Nelspruit (2529S 3057E): **TM**: 40329 - Nelspruit, 4 mi E, 2 mi S: **USNM**: 381620 - Nelspruit, 4 mi E, 2 mi S (2529S 3059E): **USNM**: 381621, 381622, 381623, 381624, 381625, 381626, 381627, 381628, 381630, 381631, 381635, 381636, 381637, 381638, 381639, 381640, 381641, 381642, 381643, 381644, 381645, 381646, 479537 - Nelspruit, 7 km E (25.5S 31.03E): **USNM**: 479536 - New Mucelneuck (254348S 281048E): **TM**: 6324 - Newington (2449S 3117E, 487 m): **ROM**: 41757, 41758 - Nguhbu Picnic (27 31 S 31 22 E): **DNSM**: 5998 - Nhlonhela pan (27 46 48 S 32 12 00 E): **TM**: 35273 - Nibela peninsula (27 56 S 32 26 E): **DNSM**: 10169 - Norlim mine [=Buxton mine] (27 37 S 24 37 E, 1087 m): **TM**: 35880, 35881, 35882, 35883, 35885, 35886, 35887, 35888, 35889, 35890, 35891, 35892, 35893, 35894, 35895, 35896, 35897, 35898, 35899; **ZMA**: MAM.22666, MAM.22667, MAM.22668, MAM.22669, MAM.22670, MAM.22671, MAM.22672, MAM.22673, MAM.22674 - Northam (24 58 S 27 16 E): **DNSM**: 717 - Nqubevu mine (2843S 3037E): **TM**: 36309, 36310, 36311, 36312, 36313, 36314, 36315, 36316, 36317, 36318, 36319, 36320, 36321, 36322, 36323, 36324, 36325, 36326, 36327, 36329, 36330, 36331, 36332, 36333, 36334, 36335, 36336, 36337, 36338, 36339, 36340, 36341, 36342, 36343, 36344, 36345, 36346, 36347, 36348, 36349, 36350, 36351, 36352, 36353 - Ntsizwe mine (30 28 56 S 29 09 57 E, 1512 m): **DNSM**: 12652, 13258 - N'Wanetsi Gorge (24 27 13 S 31 58 54 E): **KNP**: 101, 102, 103 - Orange River Station (2924Ca): **NMB**: 8585 - Oribi Gorge Nature Reserve (30 43 S 30 16 E): **DNSM**: 5529, 5530 - Otto's Bluff Farm (29 30 00 S 30 21 00 E, 1188 m): **TM**: 41872 - Ottoshoop (25.75S 25.9E): **USNM**: 221423 - Ottoshoop (2545S 2557E, 1417 m): **USNM**: 221424, 221425, 221426, 221427, 221428, 221429, 221430, 221437, 221438, 221439, 221440, 221441, 221442, 221443, 221444, 221445, 221446, 221447, 221448, 221449, 221450, 221451, 221452, 221453, 221454, 221455, 221456, 221457, 221458, 221459, 221460, 221461, 221462, 221463, 221464, 221465, 221466, 221467, 221468, 221469, 221470, 221471, 221472, 221473, 221474, 221475, 221476, 221477, 221478, 221479, 221480, 221481, 237537, 237538, 237539, 237540, 237541, 237542, 237543, 237544, 237545, 237546, 237547, 237548, 237549, 237550, 237551, 237552, 237553, 237554, 237555, 237556, 237557, 237558, 237559 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 29820 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **ROM**: 76027; **USNM**: 292067 - Pietermaritzburg (29 37 00 S 30 23 00 E, 760 m): **DNSM**: 7486 - Pongola River Bridge, on Jozini - Kosi Road (27 02 13 S 32 15 58 E, 37 m): **DNSM**: 5727, 5728, 5729, 5730 - Pongolapoort Dam (27 25 08 S 32 04 16 E, 122 m): **DNSM**: 6202, 6203, 6204, 6205, 6206, 6207, 6208, 6209, 6210, 6211, 7112, 9185, 9186, 9187, 9188, 9189, 9199, 9200, 9201, 9202, 9203, 9204, 9205, 9206, 9207, 9208, 9209, 9210, 9211, 9212, 9213, 9214, 9215, 9216, 9217, 9218, 9219, 9220, 9221, 9222, 9223, 9224, 9225, 9226, 9227, 9228, 9229, 9230, 9231, 9232, 9233, 9234, 9235, 9236, 9237, 9238, 9239, 9240, 9241, 9242, 9243, 9244, 9250, 9302 - Port Elizabeth, S (34.02S 25.6E): **KM**: 19408 - Pretoria (25 42 25 S 28 13 46 E, 1271 m): **KM**: 22961; **TM**: 7108, 7109, 7110, 7111 - Pretoria (2543S 2811E): **MCZ**: 33961, 33962, 33963 - Pretoria, 30 mi [= 48 km] SW (2559S 2758E): **ROM**: 45615, 45983, 45984, 45985, 45986 - Pretoriuskop Section (25 03 38 S 31 19 19 E): **KNP**: 70 - Punda Maria (22 41 00 S 31 01 00 E): **KNP**: 78 - Punda Milia Camp (22 41 51 S 31 01 12 E, 580 m): **TM**: 29949 - Rosslyn (2538S 2806E): **MCZ**: 33958, 33959, 33960 - Sabie River, Lower (2457S 3138E): **ROM**: 76081 - Schurueberg [=Schurweberg] Cave No.1 (25 48 39 S 28 00 27 E): **BRTC**: 36415, 36416, 36417, 36418 - Schurweberg (2547S 2759E): **TM**: 29090 - Shihangwane: **TM**: 25823 - Shongweni Dam (29 51 42 S 30 43 16 E, 290 m): **DNSM**: 12653, 13303, 13304, 13305, 13306, 13307, 13308, 13309, 13310, 13311, 13312, 13313, 3340, 3341, 3342, 3343, 3345, 3467, 3468, 3469, 3470, 3516, 3517, 3553, 3554, 3555, 5619, 5662, 6212, 6214, 6215, 6216, 6217, 6218, 6801, 6802, 6803, 6804, 6805, 7035, 764, 765, 8362 - Shongweni Resources Reserve (29 51 00 S 30 42 36 E): **DNSM**: 3514, 3515 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **TM**: 13470, 30072 - Skukuza Koppies (25 06 S 31 36 E): **TM**: 13471 - Skukuza Village (24 59 S 31 35 E, 240 m): **KNP**: 04 - Skurweberg cave (25 48 S 27 59 E): **TM**: 12210, 12211, 12212, 12213, 12214, 12215, 12216, 12217, 12218, 12219, 12220, 12566 - Soetfontein Cave (28 22 12 S 23 03 00 E): **DNSM**: 12401 - Somerset East (33.27S 25.68E): **KM**: 25640 - Songimvelo Nature Reserve (26 00 25 S 30 55 20 E, 2800 m): **DNSM**: 1119 - Steenkampskraal Mine (30 59 10 S 18 37 45 E): **DNSM**: 4998 - Sterkfontein caves (2601S 2744E): **TM**: 12043, 12044 - Stormsriver State Forest Station (3358S 2353E): **TM**: 25327 - Stutterheim (32.65S 27.53E): **KM**: 20075 - Table Farm Cave (33 17 00 S 26 25 00 E, 648 m): **DNSM**: 13283, 13284, 13285, 13286, 13287, 13288, 13289, 13290, 13291, 13292, 13293, 13294, 13295, 13296, 13297, 13298, 13299, 13300, 13301, 13302 - Table Mountain, Wynberg cave (3401S, 1828E): **TM**: 13747, 13748, 13749 - Thornhill Farm 171 JU, Figaro mine (2527S 3138E): **TM**: 39785, 39786 - Tierkloof (33 44 30 S 21 53 30 E): **SAMC**: GB-15/00, GB-23/00 - Town Bush (29 33 S 30 21 E): **DNSM**: 7039 - Town Bush Valley, Town Bush Cave (29 31 00 S 30 18 00 E, 975 m): **AMNH**: 245201, 245202, 245205, 245208; **TM**: 33392, 33393, 33394, 33395, 33396, 33397, 33398, 33436, 33437, 33438, 33439, 33440, 33441, 33442, 36227, 36228, 36230, 36231, 36232, 36234, 36235, 36240, 36242 - Transvaal province: **MCZ**: 25168, 25169, 25170, 25171, 25172, 28522 - Tzaneen (235000S 301000E): **TM**: 1127 - Uitkomst, Farm 499 (25 54 00 S 27 46 00 E): **ROM**: 45566, 45567, 45608, 45613, 45614 - Umfolozi Game Reserve (2819S 3150E): **TM**: 3017, 3018 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 9533 - Umkomaas (30 12 S 30 48 E, 36 m): **DNSM**: 13359 - Umzumbi Mission (30 34 00 S 30 26 00 E): **AMNH**: 81865 - Underberg, Trout hatchery (2946S 2930E): **TM**: 37157 - Van Rhynsdorp, 7 km SE (31.78S 18.62E): **USNM**: 342642 - Venterskroon (26 52 48 S 26 16 12 E): **TM**: 2071, 41020 - Vernon Crooks Nature Reserve (303600S 301536E): **TM**: 28832, 28835, 29795, 29803, 29804, 29809, 29810, 29815 - Voelklip, 7th Street (342259S, 191600E): **TM**: 42459 - Vredefort Dome World Heritage Site (ca. 2653S 2715E, 1300 m): **FMNH**: 195655, 195656, 195657, 195658, 195659, 195660, 195661, 195662,

195663, 195664, 195670, 195671, 195672, 195673, 195674, 195675 - Vredefort Dome World Heritage Site (ca. 2653S 2715E, 1340 m): **FMNH**: 195665, 195666, 195667, 195668, 195669 - Vryheid Hill Nature Reserve (27 45 18 S 30 47 15 E, 1264 m): **DNSM**: 6994 - Wonderboom (2541S 2812E): **FMNH**: 38141 - Wondermine (27 28 07 S 31 15 02 E): **DNSM**: 5992, 5993, 5994 - Xingomeni (22 53 45 S 31 24 19 E): **KNP**: 23, 24, 25, 26 - Zastron (3026Bb): **NMB**: 5938, 5940, 5942, 5943, 5944, 5945, 5946, 5947, 5948, 5949, 5950, 5951, 5952, 5953, 5954, 5955, 5956, 5957, 5958, 5959, 5960, 5961, 5962, 5963, 5964, 5965, 5966, 5967, 5968, 5969, 5970, 5971, 7358, 7359, 7360, 7361, 7362, 7363, 7364, 7365, 7366, 7367, 7368, 7369, 7370, 7371, 7372, 7373, 7374, 7376, 7377, 7378, 7379, 7380, 7381, 7382, 7383, 7384, 7385, 7560, 7778, 7779, 7780 - Zastron Commons (3027Ac): **NMB**: 7504 - Zwartkop Military Nature Reserve (2550S 2808E): **TM**: 42270, 42271.

South Sudan:

Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586744, 586757 - Gilo area (ca. 040218N 325043E): **FMNH**: 108169, 108170, 108171 - Imurok (041846N 322328E): **FMNH**: 77605 - Imurok (041846N 322328E, 762 m): **FMNH**: 67321, 67322 - Imurok (041846N 322328E, 914 m): **FMNH**: 68106, 68107, 68108 - Kaka (1041N 3213E): **USNM**: 252716 - Katire (0405N 3246E): **FMNH**: 78171, 78172 - Lokwi (040628N 324314E, 1487 m): **FMNH**: 78173.

Sudan:

Unknown locality: **ZFMK**: 212.

Swaziland:

Barites Mine (26 13 12 S 31 01 48 E): **DNSM**: 8429, 8430, 8433, 8434, 8436, 8438 - Ezulwini (26 23 56 S 31 10 01 E): **DNSM**: 7190 - Kubuta (26 52 48 S 31 28 12 E, 508 m): **DNSM**: 7917, 7921 - Miawula Nature Reserve (26.19S 32.01E): **DNSM**: 8028 - Mlawula Nature Reserve, site 1 (26 10 49 S 32 02 57E): **TM**: 47746 - Piggs Peak Mine (25 58 00 S 31 15 00 E): **DNSM**: 8038, 8044 - Rosecraft (26 38 S 31 17 E, 667 m): **TM**: 47713 - Wylesdale Gold Mine (25 49 S 31 17 E, 542 m): **DNSM**: 8051.

Tanzania:

Unknown locality: **BMNH**: 1960.102, 1960.103, 1964.1822, 1964.1823, 1964.1824, 1964.1825, 1964.1826, 1964.1827, 1964.1828 - Ambangulu Estate (05 05 S 38 26 E, 1300 m): **FMNH**: 150090, 151454, 151455, 151456, 151457 - Arusha (03 22 00 S 36 41 00 E, 1254 m): **HNHM**: 2687.36 - Ashanti-Geita (02 55 S 32 05 E): **FMNH**: 182722 - Bagilo (0710S 3740E): **MCZ**: 22370, 22371, 22372 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **ZMB**: 53849, 53850 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 870 m): **FMNH**: 150089, 150091 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 151206, 151207 - Gonja Forest Reserve (04 16 S 38 02 E, 550 m): **FMNH**: 151208, 151209, 151458 - Kigoma region: **SMF**: 81208 - Kilimanjaro region: **SMF**: 79549 - Li Tunge: **ZMB**: T10425 - Mwanza region: **SMF**: 88039, 88040 - Rungwe District (09 15 00 S 33 40 00 E, 5000 ft): **RMCA**: 96.037-M-7164 - Tanga region: **SMF**: 91249, 93226, 93380 - Ussagara [=Usagara] (0505S 3907E): **ZMB**: T10117, T10118.

Uganda:

Unknown locality: **BMNH**: 1938.5.10.10, 1938.5.10.11, 1938.5.10.12, 1938.5.10.13, 1938.5.10.14, 1940.726, 1940.727, 1940.728, 1940.729, 1940.730, 1940.731, 1940.732, 1940.733, 1940.734, 1940.735, 1940.736, 1940.737, 1960.1152, 1960.1153, 1964.173, 1964.174, 1964.175, 1964.176, 1964.177, 1964.178, 1964.179, 1964.180, 1964.181, 1964.182, 1973.527, 1973.527_1, 1973.527_2, 1973.527_3, 1973.527_4, 1973.528, 1973.529, 1973.530 - Arua, 32 km N (031340N 310146E): **ROM**: 39923 - Kisoro district: **SMF**: 70958 - Metu (033913N 314805E): **ROM**: 68689, 68690 - Mount Elgon (0108N 3433E): **BMNH**: 1936.3.16.13, 1936.3.16.14, 1936.3.16.15, 1936.3.16.16, 1936.3.16.17, 1936.3.16.18, 1936.3.16.19, 1936.3.16.20.

Zambia:

Unknown locality: **BMNH**: 1968.1024, 1968.1025, 1968.1026, 1968.1027, 1968.1028, 1968.1029, 1968.1030, 1968.1031, 1968.1032, 1968.1042, 1968.1043, 1974.512_01, 1974.512_02, 1974.512_03, 1974.512_04, 1974.512_05, 1974.512_06, 1974.512_07, 1974.512_08, 1974.512_09, 1974.512_10, 1974.512_11, 1974.512_12, 1974.512_13, 1974.512_14, 1974.512_15; **SMF**: 48029, 48030, 48031, 48032, 48033, 48034, 48035, 48036, 48037 - Blue Lagoon Ranch (15.5S 27.37E): **NHMZ**: 11966 - Cave near Mujimbe Hill: **AMNH**: 89780, 89781, 89782, 89783 - Chilanga Cave (15.55S 28.27E): **FMNH**: 95154, 95155; **NHMZ**: 25851; **USNM**: 156334 - Chilanga cave (1533S 2816E): **USNM**: 368613, 368614 - Chilanga-NR, Chilanga Caves (1533S 2816E): **TM**: 13529, 13530 - Chipongwe [see also: Chipongwe West] (15 39 00 S 28 16 00 E, 1090 m): **AMNH**: 218978 - Chipongwe Cave (15 41 00 S 28 14 00 E): **CAS**: 15113, 16172, 16173, 16174, 16175, 16176, 16177, 16178; **HNHM**: 76.164.1; **MSB**: 32662, 32663, 32664, 33375, 33376, 33377, 33378, 33379, 33380, 33381, 33382, 33383, 33384, 33385, 33386, 33387, 33388, 33389, 33390, 33391, 33392, 33521, 33522, 33523, 33524, 33525, 33526, 33527, 33528, 33529, 33530, 33531, 33532, 33533, 33534, 33535, 33536, 33537, 33538; **NHMZ**: 10323, 63992; **ROM**: 73994, 73995, 73996, 73997, 73998, 74000, 74001, 74002, 74003; **TTU**: 18336, 18337, 18338, 18339, 18340, 18341, 18342; **UZMZ**: M150, M230, M231, M251, M252, M253, M273, M274, M275, M276 - Fort Jameson [=Chipata] (13.62S 32.65E): **NHMZ**: 31166 - Kafue Gorge (15 52 S 28 30 00 E): **NHMZ**: 10089 - Kilwa Island (091600S 282700E): **NMZL**: 3755 - Kriel cave (15 19 11 S 28 19 55 E): **MSB**: 33447, 33701, 33735, 33784, 33832, 33857, 33858, 33859, 33860, 33876, 33877, 33878, 33889, 33912, 33913, 33914, 33915, 33916, 33917, 33918, 33919, 33920, 33926, 33927, 33928, 33978, 33979, 33980, 33981, 33982, 33983, 33984, 33985, 33986, 33987, 33995, 33996, 33997, 33998, 33999, 34032, 34033, 34050, 34051, 34052, 34053 - Leopard's Hill Cave (15.55S 28.72E): **UZMZ**: M154 - Leopard's Hill Cave (1535S 2843E): **UZMZ**: M153, M155, M160, M226, M227, M228, M319 - Missale (1405S 3258E): **ROM**: 35310 - Missale Old Mine (14.12S 32.87E): **NHMZ**: 63103 - Missale Old Mine (1405S 3259E): **BMNH**: 1968.1016, 1968.1019, 1968.1020, 1968.1021, 1968.1022, 1968.1023, 1968.1033, 1968.1034, 1968.1035, 1968.1036, 1968.1037, 1968.1038, 1968.1039, 1968.1040, 1968.1041; **FMNH**: 96270, 96271 - Mumbwa Caves (14.75S 27.0E): **NHMZ**: 6918 - Naleza (15.45S 27.33E): **UZMZ**: M181 - Naleza (1527S 2720E): **UZMZ**: M179, M180, M451 - Namantombwa Hill (15.48S 27.3E): **UZMZ**: M177 - Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E (15 19 11 S 28 19 55 E): **MSB**: 33466, 33467, 33468, 33469, 33470, 33471, 33472, 33481, 33482, 33483, 33484, 33485, 33486, 33487, 33488, 33489, 33490, 33513, 33519, 33605, 33606, 33607, 33608, 33609, 33647, 33648, 33662, 33663 - Ngwerere cave (15 19 S 28 19 E, 1280 m): **UZMZ**: M137 - Nyika NP (10.58S 33.65E): **NMZL**: 3751 - Nyika Plateau (103800S 331500E): **NMZL**: 3752, 3753, 3754 - Sasare Old Mine (1355S 3122E): **BMNH**: 1968.1044, 1968.1045, 1968.1046, 1968.1047, 1968.1048, 1968.1049, 1968.1050, 1968.1051, 1968.1052 - Sasare Old Mine, Petauke (13.92S 31.37E): **NHMZ**: 63008.

Zimbabwe:

Unknown locality: **BMNH**: 1861.8.9.13, 1861.8.9.14, 1948.404, 1951.633, 1951.634, 1954.1045, 1959.360, 1959.361, 1961.1080, 1961.1081, 1961.1082, 1961.1083, 1962.2099, 1962.2100 - Baruka caveS (ca. 1720S 3005E): **AMNH**: 218972, 218973, 218974, 218975, 218976, 218977 - Beitbridge (22.13S 29.88E): **NHMZ**: 57650 - Bubye R, Chikwarakwara (22.35S 31.1E): **NHMZ**: 84194 - Buchwa Iron Mine (20.47S 30.15E): **NHMZ**: 59622 - Bulawayo (20 09

00 S 28 35 00 E, 1351 m): **NHMZ**: 34014; **USNM**: 154587 - Chinhoyi, Badze Cave (17.17S 29.19E): **NHMZ**: 31144 - Chinhoyi, Baruka Cave (17.37S 30.08E): **NHMZ**: 59602 - Chiredzi, Lone Star Ranch (21.12S 31.87E): **NHMZ**: 59706 - Chiribira Falls (21 12 S 32 18 E): **NHMZ**: 59695 - Chisuma, Dibutibu R (18.0S 26.0E): **NHMZ**: 29684 - Eirene farm (18 23 S 31 37 E): **NHMZ**: 59690 - Esigodini, Falcon College (20.22S 28.92E): **NHMZ**: 56297 - Fort Cottage (ca. 18 15 25 S 32 44 37 E): **ZMA**: MAM.05660 - Gowlay Block Lonely Mine (19.62S 28.62E): **NHMZ**: 2786 - Graveshead Farm, Bembesi (19.87S 28.77E): **NHMZ**: 6921 - Happy Valley Farm (2019S 2843E): **ROM**: 64648, 64649, 64650, 64651, 64652, 64653, 64654, 64655, 64656, 64657, 64659, 64672, 64678, 64679, 64680, 64681, 64682, 64683, 64688, 64689, 64690, 64691, 64692, 64693, 64694, 64695, 64696, 64697, 64698, 64699, 64700, 64701, 64702, 64703, 64704, 64705 - Harare (17.83S 31.07E): **NHMZ**: 59535, 59565 - Haroni-Rusitu R Confluence (20.03S 33.02E): **NHMZ**: 30501 - Hippo Valley, Old Village (21.15S 31.58E): **NHMZ**: 32836 - Hwange NP, Main Camp (18.73S 26.95E): **NHMZ**: 31356 - Lake Kariba, Gatshe Gatshe Bay (16.87S 28.87E): **NHMZ**: 31326 - Lake McIlwaine (17.9S 30.78E): **NHMZ**: 63082 - Lanninghurst mine (2104S 2923E): **ROM**: 64729 - Limestone Cave, Kyle (20.0S 30.5E): **NHMZ**: 59691 - Lusuiu Tsetse Station, Sebungwe (18.12S 27.87E): **NHMZ**: 56236 - Lutope-Ngolangola R Confluence (18.28S 28.08E): **NHMZ**: 33711 - Mabura 2 Cave, Munyati R (18.12S 29.37E): **NHMZ**: 82292 - MacDougall's Tunnel, Triangle (21.12S 31.37E): **NHMZ**: 59685 - Makonde Hill, Save Valley (20.0S 32.0E): **NHMZ**: 32965 - Makwiro (17.75S 30.25E): **NHMZ**: 3432 - Mangwindi Gorge, Mtillkwe R (20.13S 31.13E): **NHMZ**: 63007 - Manyambara (17.0S 29.5E): **NHMZ**: 25845 - Manyambara (1700S 2930E): **FMNH**: 95156, 95157 - Matobo Hills, Lumane Valley (20.58S 28.83E): **NHMZ**: 31430 - Matobo Hills, Mtshavezi Valley, (20.62S 28.87E): **NHMZ**: 30686 - Mhangura, 8 km N (16.5S 30.0E): **NHMZ**: 59530 - Musemu Farm, Norton (17.75S 30.75E): **NHMZ**: 59611 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **KU**: 135022, 135874; **ROM**: 64819, 64820, 64841, 64842, 64843, 64844, 64845, 64851, 64852, 64853, 64854, 64855, 64858, 64861, 64862, 64864 - Mutare Asbestos Mine (18 58 29 S 32 39 20 E): **NHMZ**: 59667 - Mvuma, 6 km SW (19.25S 30.25E): **NHMZ**: 59686 - Netridge Farm (20.12S 30.62E): **ROM**: 70851 - Netridge Farm, Calcite Cave: **ROM**: 70849 - Ntabanende farm, Esigodini (20.25S 28.75E): **NHMZ**: 32705 - Nyagui R, 2 km N of Chenjerai confluence (17.37S 31.62E): **NHMZ**: 32522 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32523 - Redbank, Nyamandlovu (20.25S 28.75E): **NHMZ**: 82356 - Rhodes Matopos -Nature Park [=Matobo National Park] (20 33 S 28 33 E): **TM**: 35009 - Rifle Range, Kwekwe (18.92S 29.8E): **NHMZ**: 60773 - Sabi [= Save] R (20.25S 32.33E): **NHMZ**: 6926 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 59547 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 30041 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 30669 - Shabani [= Zvishavane], 24 km N (20.0S 29.9E): **NHMZ**: 58955 - Shambayetu Farm (21.75S 29.5E): **NHMZ**: 57636 - Sinela caves: **CAS**: 12533, 12534 - Sinoia caves (ca. 1720S 3005E): **CAS**: 12504, 12505, 12506, 12507, 12508, 12509 - The Park (19.0S 32.5E): **NHMZ**: 59519 - Triumph Mine (17.87S 30.87E): **ROM**: 64501, 64502, 64504, 64505, 64506, 64507, 64508, 64509, 64512, 64525, 64528, 64529, 64530, 64531, 64532, 64533, 64534, 64535, 64536, 64537, 64538, 64539, 64540, 64541, 64542, 64543, 64544, 64545, 64546, 64547 - Trumph Mine: **ROM**: 64503 - Umtali mine adit (18 58 29 S 32 39 20 E, 1094 m): **TM**: 16521, 34677, 34678, 34682, 34683, 34684, 34685 - Victoria Falls (17 55 00 S 25 51 00 E): **NHMZ**: 59237.

Miniopterus newtoni Bocage, 1889

São Tomé and Principé:

Santa Catarina, in a cave near the seashore (0016N 0629 E): **EBD**: MAM 17350.

Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008

Madagascar:

Unknown locality: **FMNH**: 209186 - Andrambovata, 2 km NE (2130S 4727E, 550 m): **USNM**: 449205 - Cascade de Manantantely (2459.343S 4655.370E): **UADBA**: GKC-3356 - Cascade de Manantantely (2459.343S 4655.370E, 65m): **FMNH**: 194136 (Holotype *Miniopterus petersoni*) - Forêt d'Analalava (24 10 00 S 47 16 00 E, ca. 20m): **USNM**: 577126, 577127 - Itapera (2452S 4707E, 10m): **USNM**: 577128 - Itaranta (2501S 4630E, 1990m): **USNM**: 577072, 577073, 577122 - Kianjavato, 0.5 km N (2123S 4752E, 300 m): **USNM**: 448939 - Manantantely (2459S 4654E, 60m): **USNM**: 577096 (Paratype *Miniopterus petersoni*), 577097 (Paratype *Miniopterus petersoni*), 577098 (Paratype *Miniopterus petersoni*), 577099 (Paratype *Miniopterus petersoni*), 577100 (Paratype *Miniopterus petersoni*), 577101 (Paratype *Miniopterus petersoni*) - Maroantsetra [= Bevato], 40 km NW (ca. 1517S 4934E, 400 m): **MNHN**: ZM-MO-1996-357 - Montagne d'Ambre: **USNM**: 341722, 341723, 341725, 341726, 341727, 341728, 341729, 341730, 341733 - Montagne d'Ambre (ca. 1232S 4910E, 1000m): **USNM**: 341712, 341714, 341716, 341718, 341719, 341721 - Nahampoana (245800S 465900E, 63 m): **UADBA**: 47312 - Nahampoana (2458S 4658E, 40m): **USNM**: 577102, 577103, 577104, 577105, 577106, 577107, 577108, 577109, 577110, 577111, 577112, 577113, 577114, 577115, 577116, 577129, 577130, 577131 - near Itaranta River (2501S 4630E, 40m): **USNM**: 577123, 577124, 577125 - Parc National de la Montagne d'Ambre (1231S 4910E, 1000m): **FMNH**: 156307 - RNI d'Andohahela [= PN d'Andohahela], parcel 1 (2434.15S 4643.85E, 1500m): **FMNH**: 156502 - RNI d'Andohahela [= PN d'Andohahela], parcel 1 (2435.6S 4644.3E, 810m): **FMNH**: 156501 - Vatovavy (2124S 4757E, 150m): **USNM**: 449203, 449204.

Miniopterus schreibersii (Kuhl, 1817)

Algeria:

Unknown locality: **BMNH**: 1891.10.15.8, 1891.10.15.9, 1913.5.3.4, 1913.5.3.5; **MNHN**: ZM-MO-1884-2022; **RMNH**: MAM.28528; **USNM**: 14528 - Aokas cave (ca. 36 38 N 05 15 E): **EBD**: MAM 8915, MAM 8916, MAM 8917, MAM 8918, MAM 8919, MAM 8920, MAM 8921 - Mascara province: **SMF**: 59648, 59649, 59650, 59651 - Misserghin Gorge, cave of 4th source (ca. 35 36 17 N 00 44 13 W): **MNHN**: ZM-MO-1950-884.

Morocco:

Unknown locality: **BMNH**: 1922.5.30.4 - Al Hoceima (351424N 035548W, 153 m): **USNM**: 476725, 476726, 476727, 476728, 476729, 476730, 476731, 476732, 476733, 476734, 476735, 476736, 476737, 476738, 476739, 476740, 476741, 476742, 476743, 476744, 476745, 476746, 476747, 476748, 476749, 476750, 476751, 476752, 476753, 476754, 477027, 477028, 477044 - Azigza cave (32 02 N 03 47 W, 1060 m): **NMP**: pb3906, pb3908, pb3909, pb3910, pb3911, pb3912, pb3913, pb3914, pb3916, pb3917 - Camel cave, valley (ca. 34 45 N 02 20 W, 1155 m): **EBD**: MAM 15431, MAM 15524, MAM 15526, MAM 15527, MAM 15534, MAM 15535, MAM 15536, MAM 15537, MAM 15595, MAM 15596, MAM 15597, MAM 15598, MAM 15599, MAM 15600, MAM 15601, MAM 15602, MAM 15603, MAM 15616, MAM

15617, MAM 15618, MAM 15619 - Chechaouen (3519N 0516W): **USNM**: 476719, 476720, 476721, 476722, 476723, 476724 - Hercules caves (35 45 21 N 05 56 16 W): **EBD**: MAM 28839, MAM 28840, MAM 28841, MAM 28842, MAM 28843 - Hercules caves (354521N 055616W): **USNM**: 476697, 476698, 476699, 476700, 476701, 476702, 476703, 476704, 476705, 476706, 476707, 476708, 476709, 476710, 476711, 476712, 476713, 476714, 476715, 476716, 476717, 476718, 477024, 477025, 477026, 477042, 477043 - Mechra Benabbou, 11 km SE (3236N 0743W): **USNM**: 476651, 476652, 476653, 476654, 476655, 476656, 476657, 476658, 476659, 476660, 476661, 476662, 476663, 476664, 476665, 476666, 476667, 476668, 476669, 476670, 476671, 476672, 476673, 476674, 476675, 476676, 476677, 476678, 476679, 476680, 476681, 476682, 476683, 476684, 476685, 476686, 476687, 476688, 476689, 476690, 476691, 476692, 476693, 476694, 476695, 476696, 477022, 477023, 477039, 477040, 477041 - Ras el Oued, cave (34 09 00 N 04 00 00 W): **MHNG**: 1625.052 - Samsa (35 35 24 N 05 24 00 W, 114 m): **MNHN**: ZM-MO-1908-30 A, ZM-MO-1908-30 B, ZM-MO-1908-30 C - Sidi Moussa: **MNHN**: ZM-MO-1904-466, ZM-MO-1985-621, ZM-MO-1985-622 - Taforalt, 9 km NE (3450N 0222W): **USNM**: 476755, 476756, 476757, 476758, 476759, 476760, 476761, 476762, 476763, 476764, 476765, 476766, 476767, 476768, 476769, 476770, 476771, 476772, 476773, 476774, 476775, 476776, 476777, 476778, 476779, 477029, 477030, 477031, 477032, 477033, 477034, 477035, 477036, 477037, 477038, 477045, 477046, 477047, 477048, 477049, 477050, 477051 - Talkout (31 39 36 N 07 15 36 W, 851 m): **NMP**: 90046, 90049, 90050, 90052, 90054, 90055 - Tanger, 13 km W (3548N 0556W): **USNM**: 470712 - Tétouan, cave 6 km E (ca. 35 34 N 05 17 W, 250 m): **EBD**: MAM 15297, MAM 15298, MAM 15299, MAM 15300, MAM 15352, MAM 15353, MAM 15367, MAM 15368, MAM 15369, MAM 15370, MAM 15514, MAM 15515.

Tunisia:

Unknown locality: **BMNH**: 1979.918_1, 1979.918_2, 1979.918_3, 1979.918_4, 1979.918_5, 1979.918_6, 1979.918_7; **SMF**: 22221, 22222, 22223, 22224, 22225, 22226, 22227, 22228, 22229, 22230, 22231, 43361 - Ain Dhab (3556N 0933E): **TTU**: 70988, 70989, 70990, 70991 - Ain Draham, 5 km NE (3649N 0844E): **TTU**: 72351, 72352, 72353 - Bat cave (37 05 N 11 03 E): **TTU**: 72334, 72335, 72336, 72337, 72338, 72339 - Chemtou (3629N 0835E, 158 m): **TTU**: 72329 - Djebel Rassas (3637N 1024E): **TTU**: 72340, 72341, 72342, 72343, 72344, 72345 - Djebel Zaghouan, 4 km W Poste Optique (3621N 1004E): **TTU**: 72331, 72332, 72333 - Entouna mine (3639N 1022E): **TTU**: 72355, 72356 - Ghar Kraiz (3626N 0923E): **TTU**: 70985, 70986, 70987 - Hoble (37 03 N 11 01 E): **ROM**: 76030 - Nabeul (3627N 1044E, 1 m): **FMNH**: 89833, 89834, 89835, 89836 - Nefza, 6 km W (3657N 0902E): **FMNH**: 152901 - Ras Rajel cemetery, mine at W edge (3657N 0852E): **TTU**: 72354 - Redeyef, 4 km S (ca. 3419N 0809E): **TTU**: 72346, 72347, 72348, 72349, 72350 - Sbeitla, pool 40 km NW (ca. 3521N 0926E): **TTU**: 72357 - Scarna mine (3544N 0908E): **TTU**: 72292, 72293, 72294, 72295, 72296, 72297, 72298, 72299, 72300, 72301, 72302, 72303, 72304, 72305, 72306, 72307, 72308, 72309 - Tunis (36 48 10 N 10 10 47 E, 0 m): **USNM**: 122146, 122147, 122148, 122149 - Zaghouan, 3 km S (3620N 1008E): **TTU**: 72310, 72311, 72312, 72313, 72314, 72315, 72316, 72317, 72318, 72319, 72320, 72321, 72322, 72323, 72324, 72325, 72326, 72327, 72328, 72330.

Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007

Madagascar:

Unknown locality: **FMNH**: 217986, 217987, SMG-17365; **UADBA**: 50166, 50172, 50173, 50344, SMG-17379 - Andranomilitry, cave (22 23 07 S 46 03 23 E, 950 m): **FMNH**: 184467, 184468 - Antananarivo: **ROM**: 41942 - Caves of Manandona, high on mountain side (2003S 4704E, 6600 ft): **ROM**: 42628, 42719, 42720, 42721, 42722, 42723, 42724, 42725, 42726, 42727, 42728, 42729, 42730, 42731, 42732, 42733, 42734, 42735, 42736 - Fandanana (201400S 472300E, 1463 m): **FMNH**: 209180, 209181, 209182, 209183, 209184, 209185; **UADBA**: 43201, 43202, 43264 - Fianarantsoa province: **UADBA**: 43265 - granite caves of Angavokely (ca. 1770m): **BMNH**: 1982.529, 1982.530, 1982.531 - Grotte de Bekapity (22 38 00 S 45 13 05 E): **FMNH**: 218035, 218037; **UADBA**: 50164 - Ibity Massif, Tombamnoanjo (1725m): **FMNH**: 179402, 179403 - Imasindrary: **BMNH**: 1897.9.1.41, 1897.9.1.42, 1897.9.1.43, 1996.2710, 2000.86, 2000.88, 2000.90, 2000.91 - near Itaranta River (2501S 4630E, 40m): **USNM**: 577120, 577121 - Ranopiso, 20 km WNW and Amboasary, 12 km ENE (250500S 462800E): **USNM**: 577074 - Station Forestière d'Antsampandrano (193643.2S 470346.2E, 1850m): **FMNH**: 177261, 177262, 177263, 177264, 177265, 177266, 177267, 177268, 177269, 177270, 177271, 177272, 177273, 177274, 177293 - unnamed cave (203419.5S 464831.8E, 1450m): **FMNH**: 177255 (Paratype *Miniopterus sororculus*), 177256 (Paratype *Miniopterus sororculus*), 177257 (Paratype *Miniopterus sororculus*), 177258 (Paratype *Miniopterus sororculus*), 177259 (Holotype *Miniopterus sororculus*), 177260 (Paratype *Miniopterus sororculus*) - Vinanitelo: **BMNH**: 2000.92, 2000.93, 2000.94.

VESPERTILIONIDAE Gray, 1821

Algeria:

Unknown locality: **MNHN**: ZM-AC-A6891, ZM-AC-I-618.

Angola:

Dundo (0722S 2050E, 726m): **MDL**: 5231.

Botswana:

Shakawe (18 21 S 21 52 E, 983 m): **AMNH**: 168168, 168169, 168170.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: a1.097-M-3221 - Kantundwe (01 10 00 S 29 28 00 E, 1150 m): **INPBC**: W616 - Karambi (00 39 S 29 21 E, 896 m): **ZMA**: MAM.24549 - Kasindi (00 02 10 S 29 42 49 E, 1049 m): **INPBC**: W979.2 - Kikondja (08 11 S 26 26 E, 607 m): **RMCA**: b0.004-M-0001 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 18164 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0371, 93.079-M-0372, 93.079-M-0373, 93.079-M-0374, 93.079-M-0375, 93.079-M-0376, 93.079-M-0377, 93.079-M-0378, 93.079-M-0379, 93.079-M-0380, 93.079-M-0381, 93.079-M-0382, 93.079-M-0383, 93.079-M-0384, 93.079-M-0385, 93.079-M-0386, 93.079-M-0387, 93.079-M-0388, 93.079-M-0389, 93.079-M-0390, 93.079-M-0391, 93.079-M-0392, 93.079-M-0393, 93.079-M-0394 - Yalusaka (01 05 00 S 22 58 00 E, 420 m): **RMCA**: 27166.

Kenya:

Unknown locality: **BMNH**: 1986.1820_1.

Morocco:

Hercules caves (35 45 21 N 05 56 16 W): **MNHN**: ZM-MO-1904-464 E.

Namibia:

Farm Aandster 147 (2523S 1604E): **SMW**: M-64381.

South Africa:

Cape Division: **SAMC**: 37380 - Figtree forest (2225S 3115E): **TM**: 37682 - Fort Hoek Trading store (303700S 271000E): **SAMC**: 37098A, 37098B - Gamkapoort Nature Reserve (3316S 2145E): **SAMC**: 40796 - Langebaanweg, Chemfos mine: **SAMC**: 39244 - Middelburg: **SAMC**: 37083 - Tierkloof, Bushcamp (33 44 30 S 21 53 30 E): **SAMC**: GB-17/00.

Sudan:

Unknown locality: **MNHN**: ZM-MO-1911-566.

Tanzania:

Unknown locality: **BMNH**: 1964.1772, 1964.1773, 1964.1774, 1964.1775, 1964.1776, 1964.1777, 1964.1778, 1964.1779, 1964.1780, 1966.3477.

Togo:

Unknown locality: **RMCA**: 73.054-M-2176, 73.054-M-2177, 73.054-M-2178, 73.054-M-2179 - no specific locality: **RMCA**: 73.013-M-0899, 73.013-M-0901.

Zambia:

Lufupa camp, open woodland adjacent to flooded grassland [site 4] (14.603450S 26.189790E): **NMZL**: ECJS-46/2008.

Chamtwaria pickfordi Butler, 1984

Angola:

Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 85528.

Kerivoula Gray, 1842

"Africa":

Northern Africa: **MCZ**: 5990.

Congo (Democratic Republic of the):

Avakubi (01 19 00 N 27 33 00 E, 589 m): **RMCA**: 1522a - Gumba (02 57 00 N 21 26 00 E, 412 m): **RMCA**: 14263a.

Côte d'Ivoire:

Unknown locality: **MNHN**: ZM-MO-1995-233.

Tanzania:

South Province: **CAWM**: "6", "a".

Kerivoula africana Dobson, 1878

Tanzania:

Genda Genda South Forest Reserve (05 34 S 38 38 E): **SMF**: 79563 - Morogoro (06 48 S 37 40 E, 560 m): **ZMB**: 7639 - Tong'omba Forest Reserve (08 25 S 39 01 E): **SMF**: 79564.

Kerivoula argentata Tomes, 1861

"Africa":

Caffraria?: **ZMB**: 3623 - Eastern Africa: **ZMB**: 53856.

Congo (Democratic Republic of the):

Baliko (00 16 S 20 49 E, 358 m): **FMNH**: 219604 - Kamatanda (10 57 00 S 26 46 00 E): **RBINS**: 14470, 14471; **SMF**: 19574, 19575 - Kilwezi (09 06 00 S 26 46 00 E, 854 m): **RBINS**: 10708 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.7.6.92, 1926.7.6.94, 1927.12.21.13, 1927.12.21.14 - Luluabourg (055345S 222504E, 660 m): **ZMB**: 35910, 35911.

Kenya:

Kibwezi, near (ca. 02 25 S 37 58 E, 3500 ft): **AMNH**: 184470, 184471 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **LACM**: 19474 - Nogmein (0122S 3801E): **ROM**: 36421.

Malawi:

Mughese Forest (0939S 3332E, 1625 m): **NHMZ**: 60645 - Ncheu [=Ntcheu] (14 49 S 34 38 E, 1081 m): **TM**: 9172, 9173 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420 m): **MVZ**: 220909.

Mozambique:

Maputo Special Reserve (26.35S 32.93E): **TM**: 47810 - Save River, south of bridge on EN1 (21 10 33 S 34 44 47 E, 52 m): **DNSM**: 9375 - Shupanga (=Chupanga) (1802S 3537E): **BMNH**: 1864.1.9.38 (Syntype *Nycticejus nidicola*) - Shupanga [=Chupanga] (1802S 3537E): **BMNH**: 1864.1.9.37 (Syntype *Nycticejus nidicola*), 1864.1.9.39 (Syntype *Nycticejus nidicola*) - Zinave NP (21.37S 33.87E): **NHMZ**: 63280.

Namibia:

Unknown locality: **BMNH**: 1907.1.1.540 (Holotype *Kerivoula argentata*).

Senegal:

N'Gari: **MHNG**: 1715.047.

South Africa:

Adams M.S. (30 02 S 30 49 E, 156 m): **AMNH**: 81889 - Kruger NP, Mockford's orchard, on Levubu River (2226S 3119E): **SNP**: CHIR. NKW 126 - Mantuma Camp (27 35 46 S 32 13 03 E, 103 m): **DNSM**: 10287, 10771 - Msinyini pan (2822S 3152E): **TM**: 7124, 7125 - Ngwavuma (27.27S 32.73E): **KM**: 23802 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 29839 - Pafuriv area (II) (22 27 S 31 18 E): **KNP**: 126 - Rocktail Bay (27 13 17 S 32 47 36 E): **TM**: 48628 - Umdoni Park (30 24 S 30 41 E, 50 m): **KU**: 135875 - Umfolozi Nature Reserve (2820S 3152E): **TM**: 42698 - Umfolozi River (2821S 3159E): **TM**: 3786 - Uvongo Beach, in Eucalyptus plantation (3050S 3025E): **FMNH**: 152687 - White Umfolosi River (2819S 3150E): **TM**: 3025 (Holotype *Kerivoula nidicola zuluensis*).

Tanzania:

Ambangulu Estate (05 05 S 38 26 E, 1120 - 1300 m): **ZMB**: 67806 - Bamba-Mlungi Forest Reserve (04 57 S 38 47 E): **SMF**: 83514 - Kambai Forest Reserve (0459S 3841E): **SMF**: 85520 - Kilossa, weitere Umgebuhg [=near Kilosa] (ca. 0649S 3700E): **NMW**: 10297 - Litipo Forest Reserve (10 02 S 39 30 E): **SMF**: 82538 - Mikindani (10 17 S 40 07 E, 17 m): **ZMB**: 67810, 67811 - Urambo (050400S 320300E, 1108 m): **BMNH**: 1962.987, 1962.988, 1962.989.

Zambia:

Abercorn (08 50 S 31 23 E, 1656 m): **HZM**: 2.3517 - Balovale (13 33 00 S 23 07 00 E, 1090 m): **KM**: 1949 - Fort Jameson [=Chipata] (13.62S 32.65E): **KM**: 1950 - Kalomo R (16.87S 26.62E): **NHMZ**: 30890 - Mundwiji Plain (11.73S 24.72E): **NMZL**: 3689 - Mwinilunga (11.8S 24.4E): **BMNH**: 1946.524 - Mwinilunga (1121S 2415E, 4700 ft): **AMNH**: 89176, 89177, 89178 - Ndola (12.97S 28.63E): **BMNH**: 1920.11.3.26.

Zimbabwe:

Unknown locality: **BMNH**: 1920.11.3.23, 1920.11.3.24, 1920.11.3.25, 1946.525 - GreatZimbabwe (20.28S 30.93E): **NHMZ**: 60524 - Hostes Nicoll Research Institute (1810S 2813E): **ROM**: 83978 - Kanyemba (15.65S 30.33E): **NHMZ**: 60532 - Merrywaters (17.83S 31.07E): **NHMZ**: 60533 - Mutare Boys High School (18 57 41 S 32 41 30 E): **NHMZ**: 60535 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 60534.

Kerivoula cuprosa Thomas, 1912

Cameroon:

Bitye (0313N 1222E, 2000 ft): **BMNH**: 1912.10.25.1.

Congo (Democratic Republic of the):

Eala (00 04 00 N 18 17 00 E, 301 m): **RMCA**: 16189 - Koteli (02 52 00 N 24 33 00 E, 432 m): **RMCA**: 16190 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 87.043-M-0006.

Côte d'Ivoire:

Unknown locality: **SMF**: 91927.

Kerivoula eriophora (Heuglin, 1877)

South Sudan:

Sharq al Istiwa'iyah state: **SMF**: 53520.

Kerivoula lanosa (A. Smith, 1847)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1966-277; **SAMC**: 12949A, 12949B, 12949C - between Lakes Zwai and Margherita,Walamo (6 700 ft): **BMNH**: 1900.11.4.1 (Holotype *Kerivoula harrisoni*).

Botswana:

Maun (19 59 S 23 25 E, 927 m): **AMNH**: 168238 - Sepopa (18.62S 22.12E): **USNM**: 425367 - Sepopa (1837S 2207E): **NHMZ**: 64204 - Sepope (18.62S 22.12E): **USNM**: 425368 - Shakawe (18 21 S 21 52 E, 983 m): **USNM**: 479534, 479535 - Shakawe, 15 mi [=24 km] S (ca. 18 37 S 21 52 E): **NHMZ**: 63282.

Cameroon:

Unknown locality: **BMNH**: 1905.5.23.14, 1905.5.23.15, 1905.5.23.16, 1908.6.23.10 (Holotype *Kerivoula muscilla*), 1909.10.2.48, 1911.5.5.18, 1914.7.23.5, 1919.11.1.6, 1919.11.1.7 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **FMNH**: 34067; **MCZ**: 14845, 14846, 14847, 14848.

Central African Republic:

Unknown locality: **MNHN**: M196 - Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1997-558.

Congo (Democratic Republic of the):

Funda Biabo (09 50 00 S 25 33 00 E, 693 m): **RMCA**: 5383 - Kamituga and Kampene, road between (ca. 0338S 2716E): **BMNH**: 1952.1613 - Lukulu (07 08 00 S 27 08 00 E, 573 m): **RMCA**: 12006 - Pawa (02 31 36 N 27 42 10 E, 696 m): **RMCA**: 15729.

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-3272 - "piste de Lamtu": **MNHN**: ZM-MO-1987-91 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **MHNG**: 965.038 (Holotype *Kerivoula harrisoni bellula*) - Lamto (06 12 00 N 05 02 00 W): **HNHM**: 2005.33.3 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1887-91.

Ethiopia:

Bellegas-Thal zwischen Simehn und Woggara [=Tal des Belegaz/Belghe] (1256N 3805E): **NMW**: 24573.

Gabon:

Franceville, near (ca. 01 38 S 13 35 E): **MNHN**: ZM-2006-143 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1985-1919.

Ghana:

Unknown locality: **BMNH**: 1889.3.6.1, 1946.118, 1946.119 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 55750.

Guinea:

Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1981-1209.

Kenya:

Unknown locality: **BMNH**: 1909.6.12.18, 1937.8.28.1 - Cherangani Hills (0115S 3527E): **BMNH**: 1970.725 - Kaibibich (011212N 351705E, 2250 m): **ROM**: 48531 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **LACM**: 19475, 19476.

Liberia:

Unknown locality: **BMNH**: 1876.1824, 1976.1824.

Malawi:

Thyolo (16.12S 35.08E): **BMNH**: 1922.12.17.87.

Mozambique:

Norture Boror (1737S 3652E): **TM**: 1099 - Save River, south of bridge on EN1 (21 10 33 S 34 44 47 E, 52 m): **DNSM**: 9370.

Namibia:

Lianshulu (18.0S 23.25E): **SMW**: 14546.

Nigeria:

Kagoro (09 36 28 N 08 23 25 E, 863 m): **ROM**: 86051 - Nindam Forest Reserve (0928N 0819E): **ROM**: 86938 - Numan (0928N 1203E): **BMNH**: 1988.223.

South Africa:

Unknown locality: **BMNH**: 1907.10.21.2 - Bedford (32.65S 26.18E): **KM**: 32617 - Blyderivierspoort Nature Reserve, Bourkes Luck (2435S 3047E): **TM**: 41664 - Cape Town, 200 mi [=322 km] E: **BMNH**: 1907.1.1.538 (Syntype *Vespertilio*

lanosus), 1907.1.1.539 (Syntype *Vespertilio lanosus*) - Durban, probably (29 50 S 31 00 E): **DNSM**: 4282 - Ingwavuma (2708S 3202E): **TM**: 7126, 7127, 7128 - King William's Town (32 53 00 S 27 24 00 E, 363 m): **KM**: 32615; **NHMZ**: 63283 - Knysna (34.03S 23.05E): **KM**: 32618 - Knysna (3402S 2303E): **TM**: 1098 - Kosi Lake, Department of Health camp (2657S 3249E): **TM**: 40465 - Msinga Pan (27 47 S 32 12 E): **NM**: 1033 - Nyala and Main Roads junction (2225S 3118E): **TM**: 36960 - Nyellele River (22 55 S 30 22 E): **TM**: 8864 - Pirie Mission (32.82S 27.23E): **KM**: 1948 - Pirie, Pirie Mission (3247S 2715E): **SAMC**: 10112A, 10112B, 10112C, 10112D, 10112E - Port Elizabeth, King's Beach (33.88S 25.E): **HZM**: 1.4736 - South Africa: **BMNH**: 1852.8.12.9 (Holotype *Kerivoula brunnea*) - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 11006.

Swaziland:
Mbuluzi Game Reserve (26 12 00 S 31 58 48 E, 171 m): **DNSM**: 10142 - Mhlume - Isherene Road (26 06 07 S 31 52 02 E): **DNSM**: 7428 - Sundwini (26 14 57 S 31 56 31 E): **DNSM**: 8428.

Tanzania:
Unknown locality: **BMNH**: 1960.6015, 1966.6015.

Zambia:
Fort Jameson (1338S 3239E): **NHMZ**: 22819 - Kasama (10.22S 31.17E): **KM**: 9655.

Zimbabwe:
Mberengwa Mountain (2029DB): **NHMZ**: 29664 - N'dola: **BMNH**: 1920.11.3.27 (Holotype *Kerivoula lucia*).

Kerivoula phalaena Thomas, 1912

Cameroon:
Bitye (03 01 00 N 12 22 00 E, 616 m): **RMCA**: 1473 - Edéa (0348N 1014E): **ZMB**: 67807, 67808 - Lombé (03 38 02 N 09 59 10 E, 1 m): **USNM**: 514677.

Congo:
Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: ZM-MO-1984-1393.

Congo (Democratic Republic of the):
Irangi (0154S 2827E): **SMF**: 65005 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86932 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 92.079-M-0152.

Côte d'Ivoire:
Unknown locality: **MNHN**: ZM-MO-1955-233; **RMCA**: 97.077-M-3212, 97.077-M-3213, 97.077-M-3214, 97.077-M-3215, 97.077-M-3216, 97.077-M-3217, 97.077-M-3218; **SMF**: 91928, 91929, 91930.

Gabon:
Toucan Site (0148S 0954E): **USNM**: 585055.

Ghana:
Unknown locality: **BMNH**: 1912.6.20.13 - Bibianaha (06 28 N 02 20 W, 720 ft): **BMNH**: 1912.6.20.3 (Holotype *Kerivoula phalæna*).

Liberia:
Unknown locality: **BMNH**: 1912.5.9.2.

Uganda:
Kayonza Forest (0056S 2943E): **ROM**: 59191 - Ntandi (0048N 3008E, 2300ft): **LACM**: 51973, 51974.

Kerivoula smithii Thomas, 1880

Central African Republic:
Boukoko: **MNHN**: ZM-MO-1985-517 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-291, ZM-MO-1984-292, ZM-MO-1984-293, ZM-MO-1984-294 - M'Baiki (0359N 1759E): **HNHM**: 2005.33.2.

Congo (Democratic Republic of the):
Akenge (02 56 00 N 26 50 00 E, 654 m): **AMNH**: 49306, 49336 - Aketi (02 50 N 23 56 E, 500 m): **UNIKIS**: AKETI605, AKETI606, AKETI622, AKETI623, AKETI624, AKETI625 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **BMNH**: 1914.4.8.6; **RMCA**: 1425, 1427, 1428 - Bambesa (03 28 00 N 25 43 00 E, 614 m): **RMCA**: 12530 - Bukavu (02 30 30 S 28 51 39 E, 1498 m): **RMCA**: 23172 - Kalehe territory (ca. 02 06 00 S 28 55 00 E): **BMNH**: 1962.1845 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 49016 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 1422 - Ukaika (00 45 N 28 45 E, 900m): **NMW**: 10298, 10299, 16728 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 91.076-M-0041.

Kenya:
Elgon, Mount (0107N 3435E, 2250 m): **ROM**: 48495.

Nigeria:
Elem Kalabari [= Old Calabar] (04 34 27 N 06 58 33 E, 380 m): **BMNH**: 1880.7.21.9 (Holotype *Kerivoula Smithii*).

Tanzania:
Tanga (05 04 00 S 39 06 00 E, 0 m): **ZMB**: 10135.

Uganda:
Bugoma Forest (0112N 3058E, 3800ft): **LACM**: 52041, 52042, 52043.

Myotis Kaup, 1829

Congo (Democratic Republic of the):
Mosenge (04 39 00 S 18 58 00 E, 508 m): **RMCA**: 88.011-M-0022.

Egypt:
Unknown locality: **HNHM**: 2869.40.1; **ZMB**: 54107.

Ethiopia:
Unknown locality: **MCZ**: 59234 - Koma Forest, 5 km N, 20 km W (ca. 07 12 N 36 30 E, 1900 m): **BRTC**: 57909.

Gabon:
Nwadi (ca. 00 57 N 13 15 E): **ZMA**: MAM.19698.

Kenya:
Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **YPM**: MAM 003448.

Morocco:

Bir Regaga, Kef Aïssa (ca. 33 45 N 05 05 W): **EBD**: MAM 26023 - Khenifra: **MNHN**: ZM-MO-1963-923 - Mizu-Tétouan: **EBD**: MAM 29826, MAM 29829, MAM 29830, MAM 29831 - Wintimdouine cave (30 40 49 N 09 20 42 W): **EBD**: MAM 26020.

Tanzania:

Zanzibar (06 10 S 39 20 E): **MNHN**: ZM-MO-1884-1538, ZM-MO-1884-1539.

Tunisia:

El Haouaria cave (37 03 N 11 01 E): **ZMA**: MAM.05490.

Uganda:

Unknown locality: **BMNH**: 1911.12.3.4, 1911.12.3.5, 1911.12.3.7, 1911.12.3.8, 1911.6.6.5.

Myotis anjouanensis (Dorst, 1960)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1886-1537, ZM-MO-1886-1538, ZM-MO-1886-1539, ZM-MO-1886-1540, ZM-MO-1886-1541, ZM-MO-1886-1542, ZM-MO-1886-1543, ZM-MO-1886-1544.

Comoros:

Anjouan Island (12 15 S 44 25 E): **MHNG**: 1961.061; **MNHN**: ZM-MO-1886-1265, ZM-MO-1886-1266, ZM-MO-1886-1267, ZM-MO-1886-1268, ZM-MO-1886-1269, ZM-MO-1886-1536 - between Moya and Pomoni, Bouélaouvanga Tunnel along RN 23 (1217.632S 4425.632E, 5m): **FMNH**: 194388.

Myotis bocagii (Peters, 1870)

"Africa":

Unknown locality: **BMNH**: 1907.7.8.38; **MNHN**: ZM-MO-1983-1435, ZM-MO-1983-1436, ZM-MO-1983-1437, ZM-MO-1983-1438, ZM-MO-1983-1439, ZM-MO-1983-1440, ZM-MO-1983-1441, ZM-MO-1983-1442, ZM-MO-1983-1443, ZM-MO-1983-1444, ZM-MO-1985-1055, ZM-MO-1985-1056.

Angola:

Duque de Bragança [=Calandula] (ca. 0906S 1557E): **ZMB**: 3973 - Lândana (05 14 S 12 09 E, 0 m): **ZMA**: MAM.17345.

Benin:

Pendjari Park (ca. 1120N 0130E): **ROM**: 83946, 83947.

Burundi:

Kanyinya (02 35 25 S 30 04 55 E, 1508 m): **MHNG**: 1607.056 - Mpinga mission (03 44 10 S 30 10 40 E, 1930 m): **MHNG**: 1608.003 - Resha (0354S 2924E): **SMF**: 57584.

Cameroon:

Ajos Höhe [=Ayos Heights] (0354N 1231E): **ZMB**: 40656 - Alen (02 23 00 N 10 34 00 E, 197 m): **RMCA**: 73.018-M-0181 - Fenda (02 48 00 N 10 24 00 E): **SMF**: 6394 - Melen (03 51 00 N 11 31 00 E): **RMCA**: 33620.

Central African Republic:

Oubangui, Upper: **MNHN**: ZM-MO-1895-494.

Congo:

Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1977-565.

Congo (Democratic Republic of the):

Unknown locality: **BMNH**: 1959.508, 1959.509; **RMCA**: 88.011-M-0016 - Aba (03 52 00 N 30 14 00 E, 890 m): **RMCA**: 12392 - Abimva (03 09 00 N 29 06 00 E, 1100 m): **RMCA**: 9024, 9026, 9027, 9029 - Albert National Park (01 00 00 S 29 15 00 E): **RMCA**: 37418 - Albertville (0556S 2912E, 763 m): **RMCA**: 422, 423 - Athens mission (05 02 00 S 18 49 00 E): **MSB**: 274603, 274604, 274614; **RMCA**: 97.021-M-0829, 97.021-M-0830, 97.021-M-0831, 97.021-M-0832 - Bas Congo (former) province (ca. 050000S 150000E): **RMCA**: 65a, 68 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 34078, 34082, 34095, 34100, 34109, 34114, 34120, 34125, 34128, 34146, 34157, 34158, 34159, 38731 - Bokoro (02 50 00 S 18 23 00 E, 252 m): **RMCA**: 21522 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 21411, 22037, 22041, 22044, 22136, 22137, 22138, 22139, 22140 - Bolobo (02 09 00 S 16 14 00 E): **RMCA**: 20537, 20538, 27279, 27280, 27281, 27282 - Boma (0551S 1303E, 61 m): **RMCA**: 2102 - Bomane (01 18 N 23 47 E, 429 m): **RMCA**: a1.097-M-3219 - Congo da Lemba (05 42 00 S 13 04 00 E): **RMCA**: 3434 - Djabir (00 32 N 24 05 E, 437 m): **UNIKIS**: DJB173, DJB174 - Elisabethville (11 40 S 27 26 E, 1209 m): **RBINS**: 18514 - Ganda-Sundi (04 52 00 S 12 52 00 E, 294 m): **RMCA**: 33277 - Gangala (034100N 290800E, 701 m): **RMCA**: 27464, 27465, 27466 - Ibembo (0238N 2337E, 420 m): **RMCA**: 21627 - île Mbiye (00 27 50 N 25 17 14 E, 413 m): **RMCA**: a1.097-M-3220; **UNIKIS**: CHIM53 - Irangi (0154S 2827E): **SMF**: 65032, 65033 - Iringi: **RMCA**: 406 - Isai River (01 24 N 28 04 E): **HZM**: 7.7870 - Kakonde (075200S 294300E): **SMF**: 16879, 16880 - Kakonde (11 04 39 S 26 31 15 E): **RMCA**: 26238, 26241, 26242, 26243 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 32398 - Katanga (ca. 10 00 S 27 30 E): **RMCA**: 425a - Kawa (forest) (0134N 3032E, 753 m): **RMCA**: 81.012-M-0071, 81.012-M-0072 - Kipangaribwe river (08 56 S 27 12E, 1760 m): **RBINS**: 10807.1, 10807.2, 10807.3 - Kiswishi [river] (125100S 291200E): **RMCA**: 26216 - Kivulo: **RBINS**: 10723, 10724, 10725, 10726 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 14167, 14660, 15512, 15513, 15514 - Lake Moero (09 00 00 S 28 45 00 E): **RMCA**: 18173 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 17338 - Leverville (04 50 00 S 18 44 00 E, 307 m): **RMCA**: 9987 - Luanu (05 13 00 S 19 08 00 E): **MSB**: 274911, 274914; **RMCA**: 97.021-M-0833, 97.021-M-0834, 97.021-M-0835, 97.021-M-0836 - Lukafu (10 31 00 S 27 33 00 E, 930 m): **RMCA**: 11131, 11132 - Mbalaka (plantation) (05 00 00 S 18 53 00 E): **MSB**: 274917, 274918; **RMCA**: 97.021-M-0826, 97.021-M-0827, 97.021-M-0828 - Medje (02 25 00 N 27 18 00 E, 617 m): **RMCA**: 12393 - Moba (070300S 294700E, 763 m): **BMNH**: 1954.854 - Mosenge (04 39 00 S 18 58 00 E, 508 m): **RMCA**: 88.011-M-0017 - Mount Wago (014500N 304000E, 2240 m): **BMNH**: 1953.486; **MHNG**: 921.033; **RBINS**: 21657; **RMCA**: 20788, 20789, 20790, 21455, 21456, 21457, 21458, 21459 - Muhulu (01 03 00 S 27 17 00 E, 671 m): **RMCA**: 27467 - Ndwa (020900S 162500E): **RMCA**: 20254 - Né, mount (014200N 303900E): **BMNH**: 1953.498; **RMCA**: 21511, 21512, 21513 - Obenge (01 23 S 025 02 E): **UNIKIS**: TLL367, TLL368, TLL369, TLL370, TLL371, TLL391, TLL395, TLL396, TLL397, TLL398, TLL399, TLL400 - Pweto (08 28 00 S 28 52 00 E, 951 m): **RMCA**: 5441a - Rodahira (river) (01 13 00 S 29 26 00 E, 1200 m): **INPBC**: W875.1 - Rubi-Tele (02 18 31 N 024 59 21 E): **UNIKIS**: RBTL557, RBTL558 - Saliboko (014200N 302900E, 1874 m): **RMCA**: 21438 - Sombe (08 50 00 S 26 02 00 E): **ZMB**: T10164 - Tandala (02 58 00 N 19 21 00 E, 456 m): **MHNG**: 1870.089; **USNM**: 537721 - Tanganyika: **RMCA**: 420 - Tshakala (00 27 27 N 25 32 05 E, 453 m): **RMCA**: 82.019-M-0008 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 91.076-M-0028, 91.076-M-0055, 91.076-M-0083, 91.076-M-0099, 91.076-M-0104, 91.076-M-0107, 91.076-M-0111,

91.076-M-0113, 92.079-M-0026, 92.079-M-0027, 92.079-M-0028, 92.079-M-0029, 92.079-M-0030, 92.079-M-0031, 92.079-M-0032, 92.079-M-0057, 92.079-M-0058, 92.079-M-0059, 92.079-M-0060, 92.079-M-0061, 92.079-M-0062, 92.079-M-0116, 92.079-M-0140, 92.079-M-0141, 92.079-M-0142, 92.079-M-0143, 92.079-M-0144, 92.079-M-0145, 92.079-M-0146, 92.079-M-0147, 92.079-M-0148 - Wago (mount) (014500N 300400E, 2240 m): **RMCA**: 21504, 21505, 21506, 21507, 21508, 21509, 21510, 23285, 23286, 23287, 23290, 81.012-M-0073, 81.012-M-0074, 81.012-M-0075 - Yalosemba (02 35 N 24 47 E, 422 m): **MHNG**: 1870.090; **USNM**: 463485, 463486, 463487, 537719, 537720 - Yoko (00 17 N 25 17 E): **UNIKIS**: YK017CH - Zambi (05 51 00 S 12 52 00 E): **RMCA**: 284.

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-8301, 97.077-M-8302 - Parc National de Tai (ca. 05 50 N 07 20 W): **ROM**: 100492 - Toyébli (06 37 11 N 08 28 50 W, 211 m): **RMCA**: 34871, 34872, 34873, 34874, 34875, 34876, 34877.

Equatorial Guinea:

Aninzok (01 36 N 10 04 E): **MSB**: 25225 - Niefang (01 50 36 N 010 13 59 E, 332 - 400 m): **EBD**: MAM 14164 - Nvuba river (ca. 02 10 N 10 10 E): **EBD**: MAM 13943, MAM 13944 - Río Nocong (ca. 01 08 N 11 15 E): **EBD**: MAM 14915, MAM 14916 - San Joaquin de Ndyiacon (02 01 45 N 09 55 43 E, 547 m): **EBD**: MAM 17639.

Ethiopia:

Addis Ababa, 24 km E (09 00 N 039 00 E, 1981 m): **ROM**: 71969, 71970 - Adis Abeba (0901N 3844E): **HNHM**: 95.89.245, 95.89.246 - Didessa river bridge (09 02 N 36 09 E, 1533 m): **BRTC**: 58687 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1670 m): **BRTC**: 57959, 57960, 58658 - Shigella ("Ortsteil") (ca. 06 02 N 37 33 E): **SMF**: 47869.

Gabon:

Batouala (00 48 N 13 26 E, 489 m): **ZMA**: MAM.20703 - Batouala, near (ca. 00 48 N 13 26 E): **ZMA**: MAM.19695 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **ZMA**: MAM.08288 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1983-2007, ZM-MO-1984-274, ZM-MO-1985-1565, ZM-MO-1985-1566, ZM-MO-1985-1928; **ZMA**: MAM.08293, MAM.08294, MAM.08343, MAM.08369, MAM.08382, MAM.19693, MAM.19694 - Nwadi (ca. 00 57 N 13 15 E): **ZMA**: MAM.19696, MAM.19697 - Ogewa: **ZMB**: T09670.

Ghana:

Boti Falls (06 22 N 00 19 W): **ROM**: 60227 - Wli Waterfall (ca. 07 08 N 00 35 E): **SMF**: 89673, 92136.

Guinea:

Kindia (100400N 125100W, 338 m): **MNHN**: ZM-MO-1985-1043.

Kenya:

Unknown locality: **BMNH**: 1903.3.2.3 - Cherangani Hills (0115S 3527E, 1981 m): **ROM**: 37241, 37244 - Donya Sabuk [=syn Donjo Sebuk, Ol Dongo Sabuk National Park] (0107S 3715E): **NMK**: 8049 - Donyo Sabuk (01 08 S 37 16 E): **ROM**: 63863, 63864, 63865, 63866, 63867, 63868 - Endebess (0104N 3451E): **ROM**: 67964 - Gazi (0425S 3930E, 3 m): **ROM**: 78806 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 83948 - Kamuani Area (ca. 0131S 3716E): **CUMV**: 13607, 13627, 13628 - Karen (01 20 S 36 45 E, 1706-1829 m): **SMF**: 57585 - Kyanguli (004839S 382302E): **ROM**: 88223 - Muumandu (01 35 S 37 21 E): **CUMV**: 14726 - Ol' Donyo Sabuk [=Donyo Sabuk] (01 08 00 S 37 16 00 E): **BRTC**: 27854, 27855, 27856, 27857 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 63899, 63900 - Ruaraka (01 14 S 36 53 E, 5300 ft): **SMF**: 48675 - Sagana River (0040S 3712E): **ROM**: 91209 - Saiwa river (0116N 3507E, 610 m): **ROM**: 65898, 65899 - State Loge Campsite (00 06 34 S 34 44 46 E): **MMU**: PWW2989 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 59173, 59174, 59175, 59176, 59177, 59178, 59179, 59180, 59181, 59182, 59183, 81221 - Yala river (00 06 N 34 32 E): **RMCA**: 8061, 8062 - Yale River (ca. 0012N 3456E): **NMK**: 1468, 1469, 1470, 1471, 1472.

Malawi:

Nkhotakota (12.93S 34.3E): **KM**: 11670.

Mozambique:

Meponda (13 24 05 S 34 52 14 E, 590 m): **DNSM**: 8557, 8558, 8559 - Mount Namuli base camp (ca. 15 22 S 37 02 E): **DNSM**: 10841.

Niger:

Talantégou (122945N 024444E, 166 m): **UCM**: 15178; **USNM**: 462786.

Rwanda:

Butare (023550S 294420E, 1733 m): **RMCA**: 85.006-M-0450, 85.006-M-0451, 85.006-M-0452, 85.006-M-0453, 85.006-M-0454 - Gisenyi (014115S 291517E, 1450 m): **RMCA**: 80.055-M-0167, 80.055-M-0168 - Kibuye (020320S 292059E, 1457 m): **RMCA**: 80.055-M-0165, 80.055-M-0166 - Kisenyi (01 41 15 S 29 15 17 E, 1450 m): **RMCA**: 9905 - Mihindi, lake (01 32 S 30 42 E): **INPBC**: W3052.01, W3052.02, W3052.03, W3052.04, W3052.05, W3052.06, W3052.07, W3052.08, W3052.09, W3052.10, W3052.11, W3052.12, W3052.13, W3052.14, W3052.15 - Rubona (021900S 295600E, 1346 m): **RBINS**: 15492.

Senegal:

Gué de Sambaillou (12 39 N 13 19 W): **IVB**: S508.

South Africa:

De Hoek Forest Station (2349S 3001E, 4500ft): **TM**: 42121 - Kranzkloof Nature Reserve (29 46 S 30 50 E, 434 m): **DNSM**: 10026, 10027 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 34242 - Mkuze River (27 52 00 S 32 29 00 E): **DNSM**: 7529 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **DNSM**: 7528 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 29843, 29844, 29855, 29880, 29881, 29888, 29889, 29900, 29901, 30521, 30553, 36595, 36596, 36883, 38283 - Pafuriv area (II) (22 27 S 31 18 E): **KNP**: 125 - Paradise Valley Nature Reserve (29 48 S 30 53 E, 274 m): **DNSM**: 10126, 10130 - Schoemans farm "Laughing Waters" (25 39 05 S 31 32 45 E): **DNSM**: 7348, 7349 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **SNP**: CHIR. NKW 125 - Skukuza, dam at golf course (24 59 05 S 31 34 38 E): **TM**: 30064.

Swaziland:

Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **DNSM**: 9520 - Ngonini estates (25 48 00 S 31 24 32 E, 421 m): **DNSM**: 13644.

Tanzania:

Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22311 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 1100 m): **FMNH**: 150075 - Genda Genda South Forest Reserve (05 34 S 38 38 E): **SMF**: 79573 - Gonja Forest Reserve (04 16 S 38 02 E, 550 m): **FMNH**: 151200 - Kilombero Valley (08 40 S 36 30 E, 330 m): **SMF**: 88513 - Kwamgumi Forest Reserve (04 56 S 38 45 E, 150 m): **SMF**: 82489, 86388, 93355 - Lake Duluti (0323S 3647E): **ROM**: 69184, 69189, 69190 - Litipo Forest Reserve (10 02 S 39 30 E): **SMF**: 82544 - Manga Forest Reserve (05 01 S 38 47 E, 110 m): **SMF**: 87309, 87310 - Northern Matema (09 28 53 S 34 01 57 E): **SMF**: 85544, 85545 - Semdoe Forest Reserve (04 56 05 S

38 42 32 E): **SMF**: 85528, 93357, 93358, 93359 - Sengerema (02 40 00 S 32 39 00 E, 1276 m): **ZMA**: MAM.22312 - Utete (0759S 3847E): **ZMB**: T10165.

Togo:

Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0243 - Dzogbégan (07 14 00 N 00 41 00 E, 698 m): **RMCA**: 73.013-M-0244.

Uganda:

Budo (0015N 3229E): **AMS**: M.29880 - Budongo Forest (0146N 3133E): **ROM**: 59246 - Bwindi-Impenetrable National Park (0102S 2943E, 1500 m): **FMNH**: 160362 - Daniba island (00 00 54 N 32 46 37 E): **BMNH**: 1930.12.1.22 - Fort Portal (004138S 301559E, 1524 m): **AMNH**: 219739 - Lugala (001119N 335316E, 1137 m): **ROM**: 63340-a - Moyo, 10 mi [=16 km] E (03 39 N 31 43 E, 750 -1067 m): **ROM**: 59145, 59156, 59157, 59158, 59159.

Zambia:

Chavuma area (13.08S 22.68E): **HZM**: 3.2918; **NHMZ**: 10177 - Chingi, Chavuma (13.02S 22.73E): **NHMZ**: 9161.

Zimbabwe:

Birchenough Bridge (19.85S 31.33E): **ROM**: 64875 - Dorowa Mine (19.07S 31.77E): **NHMZ**: 80374 - Haroni-Rus~u R Confluence, (20.03S 33.02E): **HZM**: 6.4117 - Lake Mcllwaine (17.9S 30.78E): **NHMZ**: 59228 - Marivaile Ranch (18.75S 29.75E): **NHMZ**: 84463 - Nyagui R (17.37S 31.62E): **NHMZ**: 32526 - Nyamunyeche, Mvurwi (16.77S 30.95E): **NHMZ**: 57512 - Nyandia Dam (17.0S 32.0E): **NHMZ**: 84235 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32533 - Pungwe-Rwera R Confluence (18.25S 33.0E): **NHMZ**: 57885.

Myotis bocagii bocagii (Peters, 1870)

Angola:

Canzele (08.38S 15.13E): **FMNH**: 81616, 81617, 81687, 81688, 81689.

Cameroon:

Sousak: **MCZ**: 22335.

Congo (Democratic Republic of the):

Aba (03 52 00 N 30 14 00 E, 890 m): **MCZ**: 17377 - Kabengere (09 08 S 26 16 E, 732 m): **FMNH**: 29425, 29426, 29427, 29428 - Katapena (ca. 08 35 S 26 25 E): **FMNH**: 30699 - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **AMNH**: 48936; **USNM**: 21665, 21666, 21667.

Kenya:

Fort Hall (0043S 3709E, 4 000 ft): **BMNH**: 1903.3.2.2 (Holotype *Myotis Hildegardeæ*) - Ikuywa river bridge (0013N 3455E): **MCZ**: 60087 - Kapenguria (0115N 3507E, 2134 m): **ROM**: 40271, 40272, 40273 - Nyeri (0026S 3656E, 1867 m): **ROM**: 48724 - Taveta, 3 km E (03 23 S 37 42 E, 760 m): **MCZ**: 60088 - Tiwi, 1 km N (ca. 04 14 S 39 34 E): **MCZ**: 59786, 59787, 59788, 59883, 59884 - Yala river (00 06 N 34 32 E): **USNM**: 197954, 197955.

Malawi:

Chiromo (16 33 00 S 35 08 00 E, 42 m): **KU**: 79303 - Kota Kota (12 55 00 S 34 18 00 E, 471 m): **AMNH**: 161918 - Zomba Plateau (15 22 S 35 19 E, 5000 ft): **AMNH**: 161919.

South Africa:

Pafuri area (222530S 311230E): **AMNH**: 257357.

Tanzania:

Kasanga (0828S 3109E): **MCZ**: 26699, 26700.

Uganda:

Budongo Forest (0146N 3133E, 1219 m): **ROM**: 46647 - Lake Bunyoni (0117S 295505E): **MCZ**: 33488; **USNM**: 260186 - Lake Bunyoni (0117S 295505E, 1829 m): **USNM**: 260031 - Lake Bunyoni (0117S 295505E, 1981 m): **FMNH**: 26501, 26502, 26503, 26504, 26505, 26506, 26507, 30615, 30616, 30618, 30619, 30620, 30621 - Lake Bunyoni (1.3 S 29.86667 E, 1981 m): **FMNH**: 30614, 30617.

Myotis bocagii cupreolus Thomas, 1904

Cameroon:

Unknown locality: **BMNH**: 1989.722, 1989.723, 1989.724, 1989.725 - Ayos, near (0353N 1231E): **ROM**: 54926, 54927 - Bipindi, 10 km W (0305N 1025E, ca. 300 m): **ROM**: 56244, 56245, 56246, 56247, 56248 - Efulén (02 47 00 N 10 32 00 E, 421 m): **BMNH**: 1903.2.4.6 (Holotype *Myotis Bocagei cupreolus*) - Keboko, 8 km W: **ROM**: 55604 - Kiribi, 14 km N (0304N 0954E): **ROM**: 56261, 56262, 56263 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55645, 55658 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55759, 55802, 55803 - Lomié (03 10 N 13 34 E, 611 m): **ROM**: 57128, 57129 - Lomié, 40 km N (03 09 N 13 35 E): **ROM**: 57144, 57145, 57151, 57152 - Metchum River (0651N 0948E): **ROM**: 55867, 55868 - Muyuka [= Muea] (0415N 0924E): **ROM**: 58283 - Mvenge, 6 km W (0317N 1101E): **ROM**: 56211 - Njombo River (0339N 1158E, 518 m): **ROM**: 57158 - Obala, 12 km S, 11 km E (0409N 1131E): **ROM**: 56152 - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 56138 - Obala, 55 km NE (ca. 0422N 1158E): **TTU**: 18005 - Obala, 82 km NE (0446N 1151E): **AMNH**: 241048; **TTU**: 18004 - Okola (040100N 112300E, 700 m): **AMNH**: 241047 - Sakbayeme (0402N 1034E): **FMNH**: 25299, 25300, 25301, 43580 - Sou Mou River (0315N 1124E): **ROM**: 56167.

Central African Republic:

Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 269932, 269933.

Congo (Democratic Republic of the):

Unknown locality: **AMNH**: 51273, 51274, 51275, 51276, 51277 - Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 49001, 49002, 49003, 49004, 49005, 49006, 49007, 49009, 49010, 49011 - Bafuaboka (02 07 00 N 27 40 00 E, 631 m): **AMNH**: 48989, 48990, 48991, 48992, 48993, 48994, 48995, 48996 - Bafwabaka (02 07 00 N 27 40 00 E, 631 m): **MCZ**: 17376 - Bafwaboka (02 07 00 N 27 40 00 E, 631 m): **AMNH**: 49193, 49300, 49301 - Banalia (01 33 00 N 25 20 00 E, 432 m): **MCZ**: 38030, 38031 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49000, 49425 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 13331 - Kalanda: **MCZ**: 31980, 31981 - Mabali (02 20 00 S 28 50 00 E): **MCZ**: 48261, 48262 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48997, 48999.

Côte d'Ivoire:

Niébé (05 22 00 N 07 18 00 W, 132 m): **USNM**: 465820.

Ghana:

Boti Falls (06 22 N 00 19 W): **ROM**: 55137 - Jukwa (0515N 0121W): **USNM**: 412115, 412116.

Liberia:
Firestone Plantation (062400N 102200W): **FMNH**: 64455, 64456.
Malawi:
Unknown locality: **BMNH**: 1987.1080, 1987.1081.
Nigeria:
Pandam Wildlife Park (08 44 N 08 59 E): **ZMA**: MAM.18384.
Sierra Leone:
Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547013, 547014, 547015.

Myotis capaccinii (Bonaparte, 1837)

Morocco:
Camel cave, valley (ca. 34 45 N 02 20 W, 1155 m): **EBD**: MAM 15528, MAM 15533, MAM 15594, MAM 15615 - Taforalt, 9 km NE (3450N 0222W): **USNM**: 476539, 476540, 476541, 476542, 476543, 476544, 476545, 476546, 476925.
Tunisia:
Djebel Besass (3637N 1024E): **FMNH**: 152731, 152732, 152733 - Djebel Rassas (3637N 1024E): **TTU**: 72455, 72456, 72457, 72458, 72459, 72460, 72461, 72462, 72463, 72464, 72465, 72466, 72467, 72468, 72469, 72470, 72471, 72472 - Tebourba, cave near (3650N 0950E): **ZMB**: 74737, 74738, 74739, 74740, 74741, 74742.

Myotis dieteri M. Happold, 2005

Congo:
Grotte du Viaduc (0415S 1300E): **MNHN**: ZM-MO-1985-1925.

Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)

Algeria:
Unknown locality: **SMF**: 59656.
France:
Charlemont: **MNHN**: 819-202 (Holotype *Vespertilio emarginatus*).
Macedonia:
Unknown locality: **MHNG**: 1807.040.
Morocco:
Frmane cave (ca. 35 05 N 05 08 W): **EBD**: MAM 8942 - Tazarine cave (345516N 021946W): **MNHN**: ZM-MO-1985-1564 - Tiflet, 15 km W (3356N 0627W): **USNM**: 476547, 476548, 476926.
Tunisia:
Djebel Oust (353337N 085259E): **TTU**: 72451, 72452 - Djebel Zaghouan, cave at Poste Optique (3621N 1007E): **TTU**: 72453, 72454 - Feija National Park Headquarters (3630N 0819E): **TTU**: 70972, 70973, 70974, 70975, 70976, 70977, 70978, 70979, 70980.

Myotis goudoti (A. Smith, 1834)

"Africa":
Unknown locality: **MNHN**: ZM-MO-1949-311 B, ZM-MO-1949-311 C, ZM-MO-1949-311 D, ZM-MO-1949-311 E, ZM-MO-1949-311 F.
Madagascar:
Unknown locality: **BMNH**: 1987.146, 1987.147, 1987.158, 1999.9; **FMNH**: 221437, 75775; **MCZ**: 5986, 5987; **SMF**: 81227, 83529, 83530, 83531, 83532; **UADBA**: 32992, 32994, 32998, 33000, 33680, 43565, 43570, 43574, 43854, 47132, 48640, 50347, 50348, 50381; **USNM**: 577066; **ZMB**: 5207 - Ambalavao: **FMNH**: 151709 - Ambodiamontana (2116S 4726E, 950 m): **USNM**: 448933 - Ambohimirija caves (162400S 451700E, 80 m): **MNHN**: ZM-MO-1985-425, ZM-MO-1985-426, ZM-MO-1985-427, ZM-MO-1985-428, ZM-MO-1985-429, ZM-MO-1985-430, ZM-MO-1985-431, ZM-MO-1985-432, ZM-MO-1985-433 - Ambohimitombo [= Ambohimitombo] (2043S 4726E, 1200 m): **MCZ**: 45116 - Ambohitantely (18 10 00 S 47 17 00 E, 1519 m): **FMNH**: 229045 - Ambotelafer: **MNHN**: ZM-MO-1882-1562 - Andrambovato, 2 km NE (2130S 4727E, 550 m): **USNM**: 449281 - Anjohibe cave (15 32 33 S 46 53 10 E, 100 m): **FMNH**: 228866; **UADBA**: SMG-18920 - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], SS2 deposit (1532.39S 4653.09E, 222m): **UA**: 9217 - Ankarana (13 05 00 S 48 55 00 E, 94 m): **UADBA**: 32993 - Ankarana (130500S 485500E, 94 m): **MNHN**: ZM-MO-1985-1046, ZM-MO-1985-1047, ZM-MO-1985-413 - Ankililoaka (22 46 03 S 43 36 57 E, 95 m): **UADBA**: 32385 - Ankilizato (18 38 05 S 44 59 37 E): **MCZ**: 45622 - Antsingy Forest (1840S 4437E): **ROM**: 41840 - Bas Mangoky agricultural station (ca. 21 36 S 43 42 E): **MNHN**: ZM-MO-1985-419 - Befotaka (23 49 S 46 58 E, 800m): **FMNH**: 178600, 178601, 178602, 178603, 178604, 178605, 178606, 178607, 178608 - Bevaho (2452S 4627E, 80 m): **USNM**: 577265, 577266, 577267, 577268, 577269, 577270, 577271, 577272, 577273, 577274, 577275, 577276 - Bevilany (2501S 4630E, 40 m): **USNM**: 577261 - Grotte d'Ambahibe (12 58 04 S 49 07 14 E, 80 m): **FMNH**: 221319, 221320, 221322, 221323, 221324 - Grotte des chauves-souris (18 10 52 S 47 17 21 E, 1500 m): **FMNH**: 221420, 229383, 229384, 229385, 229386; **UADBA**: 33043 - Ifanadiana (2118S 4738E, 532 m): **MNHN**: ZM-MO-1985-412 - Ifandanana: **UADBA**: 50189 - Ikongo (215300S 472600E, 354 m): **MNHN**: ZM-MO-1947-304 - Isalo National Park (22 27 52 S 45 15 43 E): **UADBA**: 50345 - Kianjavato, 4 km E by road (2123S 4754E, 125 m): **USNM**: 449279 - Kirindy forest (CNFEREF) (20 52 04 S 43 54 27 E, 5 m): **UADBA**: 31743 - Madagascar: **BMNH**: 1907.1.1.503 (Holotype *Vespertilio Madagascariensis*) - Mandena Forest (2458S 4702E, 20 m): **USNM**: 578739, 578854 - Maroantsetra, 20 km SW (1534S 4936E): **MNHN**: ZM-MO-1947-305 - Maroantsetra, 40 km NW (1517S 4934E, 400 m): **MNHN**: ZM-MO-1947-306 A, ZM-MO-1947-306 B, ZM-MO-1947-306 C, ZM-MO-1947-306 D, ZM-MO-1947-306 E, ZM-MO-1947-306 F - Maromandia (14 13 S 48 05 E, 95 m): **MNHN**: ZM-MO-1949-311 - Maromandia cave (14 13 S 48 05 E, 95 m): **MNHN**: ZM-MO-1949-310, ZM-MO-1985-420, ZM-MO-1985-421, ZM-MO-1985-423, ZM-MO-1985-424 - Maromandia, NW (ca. 14 13 S 48 05 E): **FMNH**: 74204, 74205, 74206; **MNHN**: ZM-MO-1949-311 A - Mistinjo: **MNHN**: ZM-MO-1881-869, ZM-MO-1912-42 A, ZM-MO-1912-42 B, ZM-MO-1947-307 - Nahampoana Forest (ca. 245800S 465900E, 100 m): **USNM**: 577259, 577260 - Nahampoana Forest (ca. 245800S 465900E, 40 m): **USNM**: 577262, 577263, 577264 - Pointe Sarodrano (1317S

4812E): **ROM**: 42614 - Ramara: **ZMB**: 44566 - Ranopiso, 20 km WNW and Amboasary, 12 km ENE (250500S 462800E): **USNM**: 577070, 577071 - Roqez, near (ca. 1848S 4837E): **MCZ**: 45113 - Saint Augustin (2333S 4346E, 125 m): **ROM**: 46911 - Sainte Luce Forest (2) (2449S 4710E, 20 m): **USNM**: 578740, 578741 - Sakoandrano cave: **MNHN**: ZM-MO-1912-47 - Toliary province: **UADBA**: SMG-16886 - Tsaratanana: **MNHN**: ZM-MO-1996-354, ZM-MO-1996-355 - Unknown locality (12.53S 49.17E, 1000m): **FMNH**: 202456, 202457; **UADBA**: SMG-16185, SMG-16186 - Unknown locality (12.75S 49.49E, 40m): **FMNH**: 178825, 178826, 178827 - Unknown locality (12.81S 49.26E, 275m): **FMNH**: 179335 - Unknown locality (12.82S 49.26E, 275m): **FMNH**: 179245, 179246, 179247, 179248 - Unknown locality (12.82S 49.26E, 330m): **FMNH**: 179336, 179337 - Unknown locality (12.83S 49.25E, 288m): **FMNH**: 179249, 179250, 179251, 179338 - Unknown locality (12.87S 49.23E, 225m): **FMNH**: 179252, 179253, 179254 - Unknown locality (12.89S 49.1E, 100m): **FMNH**: 173043, 173044 - Unknown locality (12.8S 49.37E, 200m): **FMNH**: 178828 - Unknown locality (12.92S 49.13E, 120m): **FMNH**: 173041, 173042 - Unknown locality (12.96S 49.12E, 120m): **FMNH**: 176303, 176304, 176305 - Unknown locality (12.97S 49.12E, 80m): **FMNH**: 176300, 176301, 176302 - Unknown locality (13.23S 49.62E, 125m): **FMNH**: 172682, 173273 - Unknown locality (13.26S 49.64E, 125m): **FMNH**: 172681 - Unknown locality (13.41S 48.29E, 30m): **FMNH**: 188609, 188610 - Unknown locality (13.45S 48.34E, 100m): **FMNH**: 188648, 188649 - Unknown locality (13.45S 48.35E, 25m): **FMNH**: 188650 - Unknown locality (14.43S 49.61E, 810m): **FMNH**: 173263 - Unknown locality (14.78S 49.44E, 1200m): **FMNH**: 167449 - Unknown locality (14.97S 47.31E, 40m): **FMNH**: 184049 - Unknown locality (14S 48.43E, 785m): **FMNH**: 166245 - Unknown locality (15.19S 47.2E, 50m): **FMNH**: 184043, 184044, 184045, 184046, 184047, 184048 - Unknown locality (15.43S 49.85E, 50m): **FMNH**: 202497, 202498, 202499, 202500, 202501, 202502, 202503, 202504, 202505, 202506 - Unknown locality (15.54S 46.89E, 100m): **FMNH**: 179307 - Unknown locality (16.29S 48.82E, 850m): **UADBA**: VS-465 - Unknown locality (16.41S 45.31E, 110m): **FMNH**: 178574, 178575 - Unknown locality (16.43S 45.29E, 120m): **FMNH**: 178577, 178578, 178579, 178580, 178581, 178582, 178583, 178584 - Unknown locality (16.47S 45.35E, 200m): **FMNH**: 175799, 175800, 175801, 175803, 175804, 175805, 175806, 175807, 175808, 175809 - Unknown locality (17.32S 46E, 280m): **FMNH**: 194552 - Unknown locality (18.06S 49.36E, 15m): **FMNH**: 194181, 194182; **UADBA**: RB-17, RB-19 - Unknown locality (18.17S 47.28E, 1450m): **FMNH**: 194160, 194161 - Unknown locality (18.18S 47.29E, 1340m): **FMNH**: 194154, 194155, 194156, 194157, 194158, 194159 - Unknown locality (18.27S 45.41E, 1020m): **FMNH**: 194581 - Unknown locality (18.64S 47.94E, 1270m): **UADBA**: VS-1117 - Unknown locality (18.81S 48.98E, 105m): **FMNH**: 202458, 202459, 202460, 202461, 202462, 202463, 202464, 202465, 202466, 202467 - Unknown locality (19.04S 48.33E, 988m): **FMNH**: 204432, 204433 - Unknown locality (19.13S 44.81E, 100m): **FMNH**: 172790, 172796, 172797, 172798, 172799, 172800, 172801, 172802, 172803, 172804 - Unknown locality (19.14S 44.83E, 100m): **FMNH**: 172805, 172806, 172807 - Unknown locality (20.18S 47.39E, 1425m): **FMNH**: 194065, 194066, 194067, 194068, 194069, 194070, 194071, 194072, 194073 - Unknown locality (20.59S 46.62E, 1450m): **FMNH**: 166049 - Unknown locality (20.89S 44.08E, 35m): **FMNH**: 176070, 176071, 176072, 176073, 176074, 176076, 176077, 176078 - Unknown locality (21.38S 47.87E, 300m): **USNM**: 448934 - Unknown locality (21.39S 45.2E, 350m): **UADBA**: ZR-497 - Unknown locality (21.46S 45.2E, 300m): **UADBA**: ZR-503 - Unknown locality (21.4S 47.95E, 150m): **USNM**: 449200 - Unknown locality (21.51S 47.41E, 1075m): **FMNH**: 170795 - Unknown locality (21.82S 47.36E, 625m): **FMNH**: 169243 - Unknown locality (22.22S 43.33E, 50m): **FMNH**: 176166 - Unknown locality (22.32S 45.29E, 550m): **FMNH**: 175987 - Unknown locality (22.49S 45.38E, 700m): **FMNH**: 175986 - Unknown locality (23.18S 43.96E, 100m): **FMNH**: 176505 - Unknown locality (23.49S 44.08E, 60m): **FMNH**: 173250 - Unknown locality (23.51S 47.05E, 650m): **FMNH**: 178609, 178611, 178612, 178613, 178614, 178615 - Unknown locality (23.54S 43.75E, 0m): **FMNH**: 172905, 172906, 172907, 172908, 172909, 172910, 172911, 172912, 172913, 172914, 172915, 172916, 172917, 202489, 202490, 202491 - Unknown locality (23.84S 46.96E, 875m): **FMNH**: 178597, 178598, 178599 - Unknown locality (24.1S 47.37E, 100-450m): **USNM**: 577069 - Unknown locality (24.38S 43.85E, 100m): **FMNH**: 184213 - Unknown locality (24.63S 43.98E, 70m): **FMNH**: 184152 - Unknown locality (24.65S 43.96E, 110m): **FMNH**: 184209, 184210, 184211, 184212 - Unknown locality (24.97S 46.97E, 100-450m): **USNM**: 577067, 577068 - Vatovavy (2124S 4757E, 150m): **USNM**: 449201, 449280.

Myotis morrisi Hill, 1971

Ethiopia:

Didessa River mouth: **BMNH**: 1970.488.

Nigeria:

Numan (0928N 1203E): **BMNH**: 1984.840.

Myotis mystacinus (Kuhl, 1817)

Morocco:

Afnourir, lake (33 17 N 05 15 W): **EBD**: MAM 25848 - Laachaich (35 10 N 05 16 W): **EBD**: MAM 13775, MAM 13776, MAM 13777, MAM 13778 - Puente Fomento (35 11 44 N 05 18 32 W, 508 m): **EBD**: MAM 15350, MAM 15354, MAM 15363, MAM 15364, MAM 15365.

Myotis punicus Felten, 1977

"Africa":

but more probably from Kashmir: **BMNH**: 1873.4.16.5.

Algeria:

Unknown locality: **AMNH**: MS-426; **BMNH**: 1912.11.14.14, 1912.11.14.15, 1958.32 - Ain Cheurfas: **HNHM**: 98.66.1, 98.66.2, 98.66.3, 98.66.4, 98.66.5, 98.66.6, 98.66.7, 98.66.8 - Ain Mokra (3650N 0727E): **ZMB**: 29566, 29699, 29700 - Aïn Sefra (32 45 N 00 35 W, 1081 m): **MNHN**: ZM-2006-251 - Algiers (36 45 47 N 03 03 02 E, 0 m): **NMV**: C30220 - Aokas cave (ca. 36 38 N 05 15 E): **EBD**: MAM 8922 - Cheurfas Barrage: **HNHM**: 2000.18.6 - Lions cave (36 24 N 02 46 E): **MNHN**: ZM-MO-1987-82, ZM-MO-1987-83 - Misserghin Gorge, cave of 4th source (ca. 35 36 17 N 00 44 13 W): **MNHN**: ZM-MO-1950-881 - Oran province: **SMF**: 59652, 59653, 59654, 59655 - Ouarsenis (3552N 0138E): **MNHN**: ZM-MO-1983-510 - Tafna (35 17 52 N 01 28 16 W): **MNHN**: ZM-MO-1938-1307.

Libya:

Unknown locality: **SMF**: 90872.

Morocco:

Unknown locality: **BMNH**: 1898.7.4.2, 1898.7.4.3, 1898.7.4.4, 1939.126, 1972.4536; **MCZ**: 46178, 46179, 46180, 46181, 46182, 46183; **RMCA**: 76.018-M-0011, 76.018-M-0012; **SMF**: 47776, 47777 - Ain Chkef, Junto camping (33 57 48 N 05 01 11 W, 508 m): **EBD**: MAM 13790, MAM 13791, MAM 13792, MAM 13793, MAM 13794, MAM 13795, MAM 13796, MAM 13797, MAM 13798, MAM 13799, MAM 13800, MAM 13801, MAM 13802, MAM 13803, MAM 13804, MAM 13805, MAM 13806, MAM 13807, MAM 13808, MAM 13809, MAM 13810, MAM 13811, MAM 13812, MAM 13813, MAM 13814, MAM 13815, MAM 13816, MAM 13817, MAM 13818, MAM 13819, MAM 13820, MAM 13821, MAM 13822, MAM 13823, MAM 13824, MAM 13825, MAM 13826, MAM 13827, MAM 13828, MAM 13829, MAM 13830, MAM 13831, MAM 13832, MAM 13833, MAM 13834, MAM 13835, MAM 13836, MAM 13837, MAM 13838, MAM 13839, MAM 13840, MAM 13841, MAM 13842, MAM 13843, MAM 13844, MAM 13845, MAM 13846 - Ain Leuh (33 17 17 N 05 20 14 W): **MNHN**: ZM-MO-1950-140, ZM-MO-1950-140 B - Al Hoceima (351424N 035548W, 153 m): **USNM**: 476440, 476441, 476442, 476443, 476444, 476445, 476446, 476447, 476448, 476449, 476450, 476451, 476452, 476453, 476454, 476455, 476456, 476457, 476458, 476459, 476460, 476461, 476462, 476463, 476464, 476465, 476466, 476467, 476468, 476469, 476470, 476471, 476472, 476473, 476474, 476475, 476476, 476477, 476478, 476479, 476480, 476481, 476482, 476483, 476484, 476485, 476486, 476942, 476943, 476944, 476945, 476966, 476967, 476968, 476969 - Berkane (345516N 021946W, 179 m): **MNHN**: ZM-MO-1985-1563 - Boudman (ca. 35 10 N 05 16 W): **EBD**: MAM 13851 - Camel cave, valley (ca. 34 45 N 02 20 W, 1155 m): **EBD**: MAM 15525, MAM 15529, MAM 15530, MAM 15531, MAM 15532, MAM 15584, MAM 15585, MAM 15586, MAM 15587, MAM 15588, MAM 15589, MAM 15590, MAM 15591, MAM 15592, MAM 15604, MAM 15605, MAM 15606, MAM 15607, MAM 15608, MAM 15609, MAM 15610, MAM 15611, MAM 15612, MAM 15613 - Chechaouen (3519N 0516W): **USNM**: 476325, 476326, 476327, 476328, 476329, 476330, 476331, 476332, 476333, 476334, 476335, 476336, 476337, 476338, 476339, 476340, 476341, 476342, 476343, 476344, 476345, 476346, 476347, 476348, 476349, 476350, 476351, 476352, 476353, 476354, 476355, 476356, 476939, 476940, 476941, 476963, 476964, 476965 - Chichaoua, 20 km S (ca. 3130N 0847W): **USNM**: 476534 - Djebel Moussa, Great Cave (35 53 52 N 05 24 44 W): **MNHN**: ZM-MO-1904-464 B, ZM-MO-1907-623 A, ZM-MO-1907-623 B, ZM-MO-1907-623 C, ZM-MO-1907-623 D - Duea Seglaon (ca. 35 10 N 05 16 W): **EBD**: MAM 13852, MAM 13853, MAM 13854 - Hercules caves (35 45 21 N 05 56 16 W): **EBD**: MAM 29741, MAM 29742, MAM 29743, MAM 29744, MAM 29745, MAM 29746, MAM 29747, MAM 29748, MAM 29749, MAM 29750, MAM 29751, MAM 29752, MAM 29753, MAM 29754, MAM 29755, MAM 29756, MAM 29757, MAM 29758, MAM 29759; **MNHN**: ZM-MO-1904-464, ZM-MO-1904-464 A, ZM-MO-1904-464 C, ZM-MO-1904-464 D, ZM-MO-1904-464 F - Hercules caves (354521N 055616W): **USNM**: 476322, 476323, 476324, 476367, 476368, 476369, 476370, 476371, 476372, 476373, 476374, 476375, 476376, 476377, 476378, 476379, 476380, 476381, 476382, 476383, 476384, 476385, 476386, 476387, 476388, 476389, 476390, 476391, 476392, 476393, 476394, 476395, 476396, 476397, 476398, 476399, 476400, 476401, 476402, 476403, 476404, 476405, 476406, 476407, 476408, 476409, 476410, 476411, 476412, 476413, 476414, 476415, 476416, 476417, 476418, 476419, 476420, 476421, 476422, 476423, 476424, 476425, 476426, 476427, 476428, 476429, 476430, 476431, 476432, 476433, 476434, 476435, 476436, 476437, 476928, 476929, 476930, 476931, 476932, 476933, 476934, 476935, 476936, 476937, 476938, 476949, 476950, 476951, 476952, 476953, 476954, 476955, 476956, 476957, 476958, 476959, 476960, 476961, 476962, 520471 - Ifrane (33 32 00 N 05 06 00 W, 1713 m): **RMCA**: 76.018-M-0009 - Jorf El Roumi Nsebis cave (33 36 51 N 07 32 27 W): **EBD**: MAM 26025 - Kef Azigza cave (32 02 N 03 47 W, 1060 m): **EBD**: MAM 25779 - Laachaich (35 10 N 05 16 W): **EBD**: MAM 13773, MAM 13774 - Larache, 20 km S (3502N 0603W): **USNM**: 476366 - Marrakech prefecture: **SMF**: 22030, 22031, 22032, 22033, 22034, 22035, 22036, 22037, 22038, 22039, 22040, 22041, 22042 - Meski (31 51 19 N 04 17 17 W, 957 m): **RMCA**: 76.018-M-0010 - Ouarzazate, 5 km SE (3053N 0657W): **USNM**: 476357, 476358, 476359, 476360, 476438, 476439 - Ouarzazate, 5 km SW (3053N 0657W): **USNM**: 476532, 476533 - Oued Laou, near (ca. 35 26 54 N 05 05 47 W): **EBD**: MAM 15295 - Oued Siglone (ca. 35 10 N 05 16 W): **EBD**: MAM 13847, MAM 13848, MAM 13849, MAM 13850 - Peñon de Alhucemas island (35 12 48 N 03 53 22 W): **EBD**: MAM 9733, MAM 9734, MAM 9735, MAM 9736, MAM 9737 - Puente Fomento (35 11 44 N 05 18 32 W, 508 m): **EBD**: MAM 15356 - Ras El Oued, cave (34 09 00 N 04 00 00 W): **BRTC**: 26834, 26835 - Rasel Oued cave (340900N 040000W): **AMNH**: 217027 - Safi, 13 km S (3211N 0915W): **USNM**: 476361, 476362, 476363, 476927 - Samsa cave (35 35 24 N 05 24 00 W, 114 m): **MNHN**: ZM-MO-1908-32 A, ZM-MO-1908-32 B - Taddert: **MNHN**: ZM-MO-1984-1238 - Taforalt, 3 km NE (3449N 0224W): **USNM**: 476946, 476947 - Taforalt, 9 km NE (3450N 0222W): **USNM**: 476487, 476488, 476489, 476490, 476491, 476492, 476493, 476494, 476495, 476496, 476497, 476498, 476499, 476500, 476501, 476502, 476503, 476504, 476505, 476506, 476507, 476508, 476509, 476510, 476511, 476512, 476513, 476514, 476515, 476516, 476517, 476518, 476519, 476520, 476521, 476522, 476523, 476524, 476525, 476526, 476527, 476528, 476529, 476530, 476531, 476535, 476536, 476537, 476538, 476948, 476970, 476971, 476972, 476973, 476974 - Tanger, 13 km W (3548N 0556W): **USNM**: 470658, 470659, 470660, 470661, 470662, 470663, 470664, 470665, 470666, 470667, 470668, 470669, 470670, 470671, 470672, 470673, 470674, 470675, 470676, 470677, 470678, 470679, 470680, 470681, 470682, 470683, 470684, 470685, 470686, 470687, 470688, 470689, 470690, 470691, 470692 - Taza province: **SMF**: 12642, 12643 - Tétouan, cave 6 km E (ca. 35 34 N 05 17 W, 250 m): **EBD**: MAM 15343, MAM 15345, MAM 15358, MAM 15359, MAM 15372, MAM 15417 - Tiflet, 15 km W (3356N 0627W): **USNM**: 476364, 476365 - Xerafat (ca. 350445N 051943W): **USNM**: 260655.

Tunisia:

Unknown locality: **MNHN**: ZM-MO-1884-2018, ZM-MO-1884-2019; **SMF**: 22213, 22215, 22216, 41798, 43359, 43360, 43362, 43363, 43364, 43365, 43366, 43367, 43368, 43369, 43370, 43371, 43372, 43373, 43374, 43375, 43376, 43377, 43378, 43379, 43380, 43381, 43382, 43383, 43384, 43385, 43391, 43393, 43394, 43395, 43396, 43397, 43398, 43399, 43969, 43970, 87157 - Ain Dhab (3556N 0933E): **TTU**: 70963, 70964, 70965, 70966, 70967, 70968 - Bat cave (37 05 N 11 03 E): **TTU**: 72409, 72410, 72411, 72412, 72413, 72414, 72415, 72416 - Bulla Regia (363330N 084448E): **TTU**: 72426, 72427, 72428, 72429, 72430, 72431, 72432 - Cape Bon (3705N 110220E): **WNMU**: 6067 - Chemtou (3629N 0835E, 158 m): **TTU**: 72433, 72434, 72435 - Damoos Said (3556N 0933E): **TTU**: 70969, 70970, 70971 - Djebel Gloub cave (36 39 00 N 08 34 00 E): **MNHN**: ZM-MO-1909-12 A, ZM-MO-1909-12 B - Djebel Rassas (3637N 1024E): **TTU**: 72371, 72372, 72373, 72374, 72375 - Djebel Trozza mine (3530N 0935E): **TTU**: 72397, 72398, 72399 - Djebel Zaghouan, cave at Poste Optique (3621N 1007E): **TTU**: 72368, 72369 - El Haouaria cave (37 03 N 11 01 E): **SMF**: 18946 (Paratype *Myotis blythii punicus*), 18947 (Paratype *Myotis blythii punicus*), 18948 (Paratype *Myotis blythii punicus*), 18949 (Paratype *Myotis blythii punicus*), 18950 (Paratype *Myotis blythii punicus*), 18951 (Paratype *Myotis blythii punicus*), 18952 (Paratype *Myotis blythii punicus*), 18955 (Paratype *Myotis blythii punicus*), 18956 (Paratype *Myotis blythii punicus*), 18957 (Paratype *Myotis blythii punicus*), 18958 (Paratype *Myotis blythii punicus*), 18959 (Paratype *Myotis blythii punicus*), 18960 (Paratype *Myotis blythii punicus*), 18961 (Paratype *Myotis blythii punicus*), 18962 (Paratype *Myotis blythii punicus*), 18963 (Paratype *Myotis blythii punicus*), 18964 (Paratype *Myotis blythii punicus*), 22214 (Paratype *Myotis blythii punicus*), 22217 (Paratype *Myotis blythii punicus*), 22218 (Paratype *Myotis*

blythii punicus), 22219 (Paratype *Myotis blythii punicus*), 22220 (Paratype *Myotis blythii punicus*), 43386 (Paratype *Myotis blythii punicus*), 43387 (Paratype *Myotis blythii punicus*), 43388 (Paratype *Myotis blythii punicus*), 43389 (Paratype *Myotis blythii punicus*), 43390 (Paratype *Myotis blythii punicus*), 43392 (Paratype *Myotis blythii punicus*), 43961 (Paratype *Myotis blythii punicus*), 43962 (Paratype *Myotis blythii punicus*), 43963 (Paratype *Myotis blythii punicus*), 43964 (Paratype *Myotis blythii punicus*), 43965 (Paratype *Myotis blythii punicus*), 43966 (Paratype *Myotis blythii punicus*), 43967 (Paratype *Myotis blythii punicus*), 43968 (Paratype *Myotis blythii punicus*), 44097 (Paratype *Myotis blythii punicus*), 44098 (Paratype *Myotis blythii punicus*), 44099 (Paratype *Myotis blythii punicus*), 44100 (Paratype *Myotis blythii punicus*), 44101 (Paratype *Myotis blythii punicus*), 44102 (Paratype *Myotis blythii punicus*), 44103 (Paratype *Myotis blythii punicus*), 44104 (Holotype *Myotis blythii punicus*), 44618 (Paratype *Myotis blythii punicus*) - El Haouaria, 2 km N (3704N 1101E): **TTU**: 72417, 72418, 72419 - El Hauaria, 1.5 km NE (3704N 1101E): **TTU**: 72420, 72421, 72422 - El Ouidiane abandoned coal mine (3648N 1051E): **TTU**: 72423, 72424 - Entouna mine (3639N 1022E): **TTU**: 72383, 72384, 72385, 72386, 72387, 72388, 72389, 72390, 72391 - Feriana (34 57 N 08 34 E, 733 m): **MNHN**: ZM-MO-1884-2017 - Gafsa (342530N 084703E, 297 m): **MNHN**: ZM-MO-1884-2016 - Ghar Kraiz (3626N 0923E): **TTU**: 70948, 70949, 70950, 70951, 70952 - Ghar Tabouda: **MHNG**: 1807.066 - Glong, Jebel: **ZMB**: T10657 - Hadjeb el Aioun pool, near (3524N 0933E): **TTU**: 72445 - Hammam Djedidi, mine tunnel (3624N 1022E): **TTU**: 72425 - Kaphza [=Gafsa], cave near (3426N 0847E): **ZMB**: 64422, 64423 - Maktar ruins (355138N 091212E): **TTU**: 72436, 72437, 72438, 72439, 72440, 72441 - Mezel Temime, 3 km SE (3646N 1100E): **TTU**: 72447 - Mu'tamadiyat (3655N 0945E): **ZMB**: 11781 - Nabeul (3627N 1044E, 1 m): **FMNH**: 89837, 89838, 89839 - Nefza, 6 km W (3657N 0902E): **TTU**: 72444 - Ras Rajel Cemetery (3657N 0852E): **TTU**: 72442 - Ras Rajel cemetery, mine at W edge (3657N 0852E): **TTU**: 72443 - Sbeitla, pool 40 km NW (ca. 3521N 0926E): **TTU**: 72376, 72377, 72378, 72379, 72380, 72381, 72382 - Scarna mine (3544N 0908E): **TTU**: 72392, 72393, 72394, 72395, 72396 - Sfax (344426N 104537E, 12 m): **FMNH**: 89847, 89848, 89849 - Sidi Messaoud, mine tunnel near (3658N 0927E): **TTU**: 72446 - Sidi Tayeaa (3623N 1010E): **TTU**: 72359, 72360, 72361, 72362 - Tabouda caves (3704N 1102E): **TTU**: 70953, 70954, 70955, 70956, 70957, 70958, 70959, 70960, 70961, 70962 - Tebourba (3650N 0950E): **ZMB**: 53257, 53258, 53259, 53260, 53261, 53262, 53263, 53264, 53265, 53836, 59071, 59072, 59073, 59074, 59075, 59076, 59077, 59078, 59079, 59080, 59081, 59082, 59083, 59084, 59085, 59086, 59087, 59088, 59089, 59090, 59091, 59092, 59093, 59094, 59095, 59096, 64401, 64403, 64404, 64405, 64406, 64407, 64408, 64409, 64410, 64411, 64412, 64413, 64414, 64415, 64416, 64417, 64418, 64419, 64420, 64421 - Toujane, 3 km NW (3330N 1008E): **TTU**: 72400, 72401, 72402, 72403, 72404, 72405, 72406, 72407, 72408 - Tunis (36 48 10 N 10 10 47 E, 0 m): **FMNH**: 89840, 89841, 89842, 89843, 89844, 89845, 89846; **USNM**: 122160, 122161, 122162, 18527; **ZMB**: 53218, 53219, 53220, 53221, 53222, 53223, 53224, 53225, 53226, 53227, 53228, 53229, 53230, 53231, 53232, 53233, 53234, 53235, 53236, 54955, 5844 - Utica ruins (3703N 1004E, 6 m): **TTU**: 72448, 72449, 72450 - Zaghouan, 3 km S (3620N 1008E): **TTU**: 72358, 72363, 72364, 72365, 72366, 72367, 72370.

Myotis scotti Thomas, 1927

Ethiopia:

Unknown locality: **BMNH**: 1927.3.4.2, 1927.3.4.3 (Paratype *Myotis scotti*), 1927.3.4.4 (Paratype *Myotis scotti*), 1927.3.4.5 (Paratype *Myotis scotti*), 1960.340, 1971.605, 1971.673 - Coccia: **ZMMU**: S-167226 - Djem-djem Forest (0858N 3809E, 8 000 ft): **BMNH**: 1927.3.4.1 (Holotype *Myotis scotti*) - Jimma, 5 km E (07 40 N 36 50 E, 1753 m): **SMF**: 49593, 49594, 49595, 49596.

Myotis tricolor (Temminck, 1832)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1934-731.

Congo (Democratic Republic of the):

Dethiox caves (10 50 S 26 39 E): **SMF**: 18919 - Djomba (01 20 S 29 34 E, 1500 m): **INPBC**: V1846.9 - Jomba (01 16 54 S 29 33 14 E): **MHNG**: 1873.072, 1873.073 - Kakontwe cave (105900S 263800E, 1294 m): **MHNG**: 1046.024 - Kamikoni (01 16 S 29 19 E): **INPBC**: V1694.1 - Katanga (former) province: **SMF**: 21299 - Kisantu (050700S 150500E, 421 m): **RMCA**: 7300b - Kyamakonde cave (09 56 00 S 25 58 00 E): **MHNG**: 1046.097 - Mulonga cave (09 56 00 S 25 58 00 E): **RMCA**: 26792 - Thysville, cave (051600S 145200E): **RMCA**: 16450b.

Ethiopia:

Unknown locality: **BMNH**: 1972.4400, 1972.4401 - Gondar (123600N 372800E, 2132 m): **MNHN**: ZM-MO-1984-316.

Kenya:

Unknown locality: **BMNH**: 1975.2549, 1975.2550, 1975.2551, 1975.2551_1, 1975.2551_2, 1975.2551_3, 1975.2551_4, 1975.2552, 1975.2553, 1975.2554, 1975.2555, 1975.2930_1, 1975.2930_2, 1975.2932 - Barberton Cave (0045N 3445E): **ROM**: 40270 - Barberton Farm: **ROM**: 78625 - Barberton farm cave: **ROM**: 91208 - Central Elgon: **ROM**: 65441, 65442, 65443, 65444, 65445, 65446, 65447, 65448, 65449, 65450, 65451, 65452, 65453, 65454, 65455, 65457, 65458, 65459, 65460, 65461, 65462, 65463, 65464, 65465, 65466, 65467, 65468, 65807 - Central Elgon (ca. 010037N 345955E): **ROM**: 65653, 65654, 65655, 65656, 65657, 65658, 65659, 65660, 65661, 65662, 65663, 65664, 65665, 65666 - Central Elgon East: **ROM**: 65709, 65710, 65711, 65712, 65713, 65714, 65715, 65716, 65717, 65718, 65719, 65720, 65721, 65722, 65723, 65724, 65725, 65726, 65727, 65728, 65729, 65730, 65731, 65732, 65733 - Cherangani: **ROM**: 65667, 65668, 65669, 65670, 65671, 65672, 65673, 65674, 65675, 65676, 65677, 65678, 65679 - Elgon: **ROM**: 65456 - Kapenguria: **ROM**: 71049 - Kitale, 20 mi SW (0045N 3445E, 1830-2134 m): **USNM**: 351243 - Kitale, 25 mi [=40 km] NW (ca. 01 01 N 35 01 E, 2042 m): **CAS**: 11950, 11952 - Lake Baringo: **ROM**: 40336 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **ROM**: 56359, 56382 - Malikisi River, Malikisi Caves: **ROM**: 65734, 65735, 65736, 65737, 65738, 65739, 65740, 65741, 65742 - Mau Mau cave (00 13 01 S 37 08 14 E): **MMU**: PWW2737 - Menengai Crater (00 12 00 S 36 04 00 E, 1860-2865 m): **ROM**: 75524, 78627 - Menengai Crater (00 12 00 S 36 04 00 E, 2256 m): **USNM**: 317909, 317910, 317911, 317912, 317913, 317914, 317915, 317916, 317917, 317918, 317919, 317920, 317921, 317922, 317923, 317924, 317925, 317926, 317927, 317928 - Menengai Crater (00 12 00 S 36 04 00 E, 2865 m): **FMNH**: 91655, 91656, 91657, 91658, 91659, 91660, 91661, 91662, 91663, 91664, 91665, 91666, 91667, 91668, 91669, 91670, 91671, 91672, 91673, 91674, 91675, 91676, 91677, 91678, 91679, 91680, 91681, 91682, 91683, 91684, 91685, 91686, 91687, 91688, 91689, 91690 - Menengai Crater, cave at S rim (00 12 00 S 36 04 00 E, 1860-2865 m): **FMNH**: 152737, 152738 - Menengai Crater, Mengengai cave (ca. 00 12 S 36 04 E, 1860-2865 m): **ROM**: 78626; **USNM**: 351061 - Menengai Crater, wall (00 12 00 S 36 04 00 E, 1860-2865 m): **LACM**: 96262 - Mount Elgon (ca. 010043N 344415E): **ROM**: 51912,

51913, 51914, 51915 - Mount Elgon (ca. 010050N 351659E): **ROM**: 73450, 73451, 73453 - Mount Elgon Caves (00 52 N 34 27E, 1951 m): **ROM**: 37011, 37013 - Mount Elgon, E face (ca. 01 03 N 34 44 E, 1830-2500 m): **ROM**: 56296, 56297, 56298, 56299, 56300, 56301, 56302, 56303, 56304, 56305, 56306, 56307, 56308, 56309, 56310, 56311, 56312, 56313, 56314, 56320, 56325, 56326, 56327, 56328, 56336, 56337, 56338, 56339, 56344, 56345, 56346, 56347, 56348, 56349, 56350, 56351, 56352, 56353 - Mount Menengai (00 12 00 S 36 04 00 E, 2256 m): **FMNH**: 85233, 85234, 85479, 85480, 85481, 85482, 85483, 85484, 85485, 85486, 85487, 85488, 85489, 85490, 85491, 85492, 85493, 85494, 85495, 85496 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E): **FMNH**: 152734; **USNM**: 351060 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152735, 152736 - Nakuru (00 17 00 S 36 04 00 E, 1952 m): **CAS**: 11951, 11953 - North-East face of Mount Elgon (ca. 010006N 344656E): **ROM**: 59024, 59025, 59026, 59027, 59028, 59029, 59030, 59031, 59032, 59033, 59034, 59035, 59036, 59037, 59038, 59039, 59040, 59041, 59042, 59043, 59044, 59045, 59046, 59047, 59048, 59049, 59050, 59051, 59052, 59053, 59054, 59055 - Ol Jogi Dam (00 19 29 N 36 56 05 E): **MMU**: PWW2714 - Rift Valley: **LACM**: 19471 - Rift Valley [former] province: **SMF**: 19446, 37920, 46546, 46547 - South-East slope of Mount Elgon (ca. 0108N 3433E, 1829 m): **FMNH**: 67929 - Water treatment site (00 18 14 N 36 55 31 E): **MMU**: PWW2686.

Lesotho:

Maseru (2928Ca): **NMB**: 7266, 7267, 7272, 7273, 7274, 7318, 7351 - Mokhotlong (2929Ac): **NMB**: 6909 - Quthing (3027Bb): **NMB**: 8175 - Thaba-Tseka (2928Da): **NMB**: 8160.

Liberia:

Bomi Wood Concession (ca. 06 53 N 10 50 W): **AMNH**: 257053.

Malawi:

Unknown locality: **BMNH**: 1987.1082, 1987.1083.

Mozambique:

Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8552 - Manho Forest (15 22 09 S 37 03 40 E, 1750 m): **DNSM**: 10835 - Manhoe forest (15 22 09 S 37 03 40 E): **DNSM**: 9118 - Mount Chiperone (16 30 25 S 35 43 33 E): **DNSM**: 8778, 8780 - Mount Mabu (16 16 48 S 36 24 00 E, 1000 m): **DNSM**: 10854 - Mount Mabu forest camp (16 16 57 S 36 22 54 E, 980 m): **DNSM**: 10843 - Mount Namuli (15 23 07 S 37 04 04 E, 1200 m): **DNSM**: 6235, 6236 - Ukalini Forest (ca. 15 23 38 S 036 59 04 E): **DNSM**: 9849, 9850.

Nigeria:

Nindam farm (09 36 N 09 23 E, 860 m): **ROM**: 86932.

Rwanda:

Mutura (013556S 292256E, 2370 m): **RMCA**: 82.006-M-0920, 82.006-M-0921, 82.006-M-0922, 82.006-M-0923, 82.006-M-0924.

South Africa:

Unknown locality: **BMNH**: 1881.17.1 - American cave (25 54 00 S 27 46 00 E): **TM**: 19210 - Bishopstowe cave (29 34 36 S 30 27 20 E, 823 m): **TM**: 13746 - Blyderivierspoort Nature Reserve, Bourkes Luck (2435S 3047E): **TM**: 40300 - Brits (25.63S 27.88E): **USNM**: 342643 - Broughton (292600S 302700E, 737 m): **AMNH**: 232028 - Bushman Cave (33.83S 20.17E): **SAMC**: 14564 - Bushman Cave, Montagu (33.83S 20.11E): **KM**: 30866 - Cederberg, Algeria State Forest, campsite (3221S 1903E): **SAMC**: 41451 - De Hoek Forest Station (23 49 37 S 30 02 53 E): **TM**: 42205 - De Hoop Nature Reserve, De Hoop Guano Cave (3426S 2025E): **TM**: 40577, 40578 - De Hoop, NR (34.43S 20.42E): **MMK**: MAM/2494; **SAMC**: 35670 - Dlinza Forest (28 53 59 S 31 27 00E, 515 m): **DNSM**: 4873, 5339 - Doornkraal campsite (27 30 27 S 31 12 25 E): **DNSM**: 5895, 5896 - Dumisa Gold Mine (30 16 05 S 30 26 29 E, 685 m): **TM**: 30147, 36253, 36254, 36255, 36256, 36257, 36258, 36259 - Eagles Nest Farm (22 58 26 S 29 55 59 E, 1277 m): **DNSM**: 13595 - East London (33.15S 21.92E): **KM**: 24310 - Farm Elandsfontein 435KT (2437S 3037E): **TM**: 47108 - Farm Goudhoek (2818S 3101E): **TM**: 36360, 36361, 36362, 36363, 36364, 36365, 36366, 36367, 36418, 36419, 36420, 36421, 36422, 36423 - Farm Goudhoek (2823S 3105E): **TM**: 33197, 33198, 33199, 33200, 33201, 33202, 33465 - Farm Klipfontein 407, Echo caves (243328S 303628E): **TM**: 40845 - Farm Makapansgat (2409S 2911E): **TM**: 16407, 4266, 4267 - Farm Makapansgat, Ficus cave (2409S 2911E): **TM**: 12571, 12572, 12573, 12574, 12575 - Farm Makapansgat, Makapan cave (2409S 2911E): **TM**: 4268 - Farm Makapansgat, Pepercorn's cave (2408S 2912E): **TM**: 25418, 25419, 25420 - Farm Randstephane 455 KQ [=Farm Donkerpoort 448], Zandspruit Caves (24 37 05 S 27 39 08 E): **TM**: 25414 - Farm Uitkyk (26 05 S 27 46 E): **TM**: 7055, 7056, 7058, 7059, 9058 - Farm Waterval (255211S 301919E): **TM**: 47617 - Farm Welgevonden 449 (23 32 S 28 26 E, 1277 m): **DNSM**: 13577, 13632, 13633 - Fig Tree Camp (22 26 00 S 31 11 00 E): **TM**: 36784, 36867, 37846 - Gatkop cave (24 37 05 S 27 39 08 E): **TM**: 48456 - Harrismith (2828Bb): **NMB**: 7841, 7848, 7881, 7882, 7883 - Irene (2552S 2814E): **TM**: 6819, 6820, 6821 - Irene, Cave of Death (2552S 2814E): **TM**: 12570 - Itala Game Reserve, sandstone cave (ca. 27 33 36 S 31 12 36 E): **TM**: 31814, 31815, 31816, 31817, 31818, 31819, 31820, 31821, 31822, 31823, 31824, 31825 - Ithala Game Reserve (27 33 36 S 31 12 36 E, 922 m): **DNSM**: 5897 - John Nash Nature Reserve (25 54 S 27 46 E): **ROM**: 45714, 78628, 78629; **TM**: 25605, 2883, 43132, 43133 - King WilIlam's Town (32.87S 27.37E): **NHMZ**: 63130 - King William's Town (32 53 00 S 27 24 00 E, 363 m): **AMNH**: 146789 - King WilIlam's Town (32.87S 27.37E): **KM**: 31982 - Kok's farm (29 30 S 30 21 E, 1188 m): **TM**: 30689, 30690, 30691, 33203, 33204, 33470, 33471 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 34241 - Louws Creek (25.65S 31.3E): **USNM**: 238099 - Louw's Creek (2539S 3118E): **TM**: 42696, 43121, 43122, 43123, 43124, 43125, 43210 - Louw's Creek, Imperial Mine (2539S 3118E): **TM**: 2479, 2480, 2481, 2482 - Mount Pierre se Kloof (28 30 15 S 28 36 09 E): **NMB**: 7891, 7896, 7897 - Mpumalanga province (245317S 304821E): **TM**: 47658 - Mqanduli (314900S 284500E): **TM**: 42687 - Oribi Gorge Nature Reserve (30 43 S 30 16 E): **TM**: 34344 - Otto's Bluff Farm (29 30 00 S 30 21 00 E, 1188 m): **AMNH**: 232029, 232030, 232031; **TM**: 41878 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 48507 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 29856 - Pietermaritzburg, 18 km N (ca. 29 29 S 30 23 E): **AMNH**: 245222 - Pietermaritzburg, 20 km ENE (ca. 29 27 S 30 29E): **AMNH**: 245221 - Queen Elizabeth Park (29 33 S 30 19 E, 820 m): **DNSM**: 7005 - Rockport-guano cave: **BRTC**: 36413, 36414 - Rockport-guano cave (?): **BRTC**: 36412 - Satara Rest Camp (24 23 52 S 31 46 42 E): **KNP**: 63 - Schurweberg caves (2548S 2759E): **TM**: 25415, 25416, 25417 - Shongweni Dam (29 51 42 S 30 43 16 E, 290 m): **DNSM**: 2419, 2420, 2421, 2422, 2470, 2714, 3346, 5665, 6188, 6189, 6798, 6799, 6800 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **AMNH**: 257358 - Stan Hope Mine (28 33 45 S 31 09 45 E, 864 m): **DNSM**: 14163, 14164, 14165, 14166 - Sterkfontein caves (2601S 2744E): **TM**: 12422 - Town Bush (29 33 S 30 21 E): **KM**: 23764; **USNM**: 292066 - Town Bush Valley, Town Bush Cave (29 31 00 S 30 18 00 E, 975 m): **AMNH**: 245223, 245224, 245225 - Uitkomst, Farm 499 (25 54 00 S 27 46 00 E): **USNM**: 342644, 342645 - Umbilo (29 53 21 S 30 59 04 E, 48 m): **DNSM**: 7071 - Umtata (31.6S 28.75E): **KM**: 26137 - Venterskroon (26 52 48 S 26 16 12 E): **TM**: 2091, 2092, 2093, 2094, 42685, 43126, 43127, 43128, 43129, 43130, 43131 - Vernon Crookes Nature Reserve (3016S 3036E): **TM**: 28833, 28837, 29325, 29790, 29793, 29796, 29797, 29798, 29799, 29806, 29808, 29811, 29813 - Vredefort Dome World Heritage Site (ca. 2653S

2715E, 1300 m): **FMNH**: 195652, 195653, 195654 - Vredefort Dome World Heritage Site (ca. 2653S 2715E, 1340 m): **FMNH**: 195651 - Winburg [Exelsior] (2827Cd): **NMB**: 5529 - Zastron (3026Bb): **NMB**: 6994.

Swaziland:

Kapola cave (26 21 36 S 31 10 12 E): **DNSM**: 7188 - Mlawula Nature Reserve, site 1 (26 10 49 S 32 02 57E): **TM**: 47736 - Wylesdale Gold Mine (25 49 S 31 17 E, 542 m): **DNSM**: 8040.

Tanzania:

Pwani region: **SMF**: 79572.

Uganda:

Unknown locality: **BMNH**: 1940.740, 1940.741, 1964.172.

Zambia:

Cave near Mujimbe Hill: **AMNH**: 89776.

Zimbabwe:

Buffalo Bend (21 56 00 S 31 29 00 E): **NHMZ**: 57886 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 58156 - Chirinda forest (2024S 3242E): **TM**: 34606, 34637 - Crowborough Sewage Works (1731DD): **NHMZ**: 31367 - Falcon College (2028BB): **NHMZ**: 56304, 58157 - Mabura 1 Cave, Ngondoma R (18.37S 29.37E): **NHMZ**: 33885 - Matopo Hills, Lumane Falls (2028DB): **NHMZ**: 29896, 30678 - Ngondoma, Mabura 1 Cave (1829DD): **NHMZ**: 82239 - Nyanga (1832BB): **NHMZ**: 6932 - Rusito forest, Rustio River (ca. 195218S 330137E): **TM**: 34761, 34780, 34781, 34790 - Rusitu Forest (20.03S 32.98E): **NHMZ**: 596S6 - Rusitu Forest (2032BB): **NHMZ**: 30058, 59655, 59656.

Myotis welwitschii (Gray, 1866)

Angola:

Alto Chicapa (1053S 1914E, 1300m): **MDL**: 5476 - Pungo Andongo (09.63S 15.63E): **BMNH**: 1866.4.12.2 (Holotype *Scotophilus welwitschii*).

Burundi:

Rwegura (025505S 293110E, ca. 2311m): **MHNG**: 1607.095.

Congo (Democratic Republic of the):

Dilolo station (10 28 00 S 22 28 00 E, 1069 m): **RMCA**: 12661 - Elisabethville (114000S 272600E, 1209 m): **RBINS**: 15428; **RMCA**: 23462 - Kapasa (11 34 00 S 27 25 00 E, 1243 m): **RBINS**: 18513 - Lusinga (08 56 S 27 12E, 1513 m): **RBINS**: 10848 - Mutsora (00 19 00 N 29 44 00 E, 1200 m): **INPBC**: W916 - Ondo, lake (01 08 07 S 29 19 21 E): **INPBC**: V1240.2, V1819.3.1, V1819.3.2 - Pande (10 37 00 S 26 50 00 E, 1140 m): **MHNG**: 1891.002 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **RBINS**: 4789.

Ethiopia:

Afallo (0741N 3620E, ca. 2085m): **MHNG**: 1717.018 - Satema, 1.5 km N, 0.5 km W (2165 m): **BRTC**: 58689, 58690, 58691.

Kenya:

Endebess (01 04 00 N 34 51 E, 1929m): **HZM**: 1.2633 - Hoey's bridge (0050N 3507E): **ROM**: 36337 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 50533, 65964 - North Nandi Forest (0020N 3458E, ca. 2018 m): **NMW**: (M wel) - Trans Nzoia district (0050N 3500E, ca. 1828m): **NMK**: (M wel).

Malawi:

Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.12.17.76 - Cholo (16 04 00 S 35 08 00 E, 905 m): **BMNH**: 1922.12.17.75 - Livingstonia (10 36 22 S 34 06 23 E, 1276 m): **NHMZ**: 57880 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1541 m): **FMNH**: 192108, 192109 - Zovo Chipolo Forest (1035S 3343E, 2230 m): **FMNH**: 191592.

Rwanda:

Butare (023550S 294420E, 1733 m): **RMCA**: 80.055-M-0169 - Mutura (013556S 292256E, 2000 m): **RMCA**: 85.006-M-0449.

South Africa:

Bloemfontein (29 08 00 S 26 12 00 E, 1423 m): **NMB**: 1263 - Craigieburn [Farmstead] (29 54 S 30 39 E, 148m): **DNSM**: 954 - Elandsklip, P.K. Santa (2520S 3010E): **TM**: 963 - Farm Welgevonden 449 (23 32 S 28 26 E, 1277 m): **DNSM**: 13579 - Kanaan (2504S 3106E, ca. 557m): **TM**: 46638 - Kruger-NP (2431DD): **SNP**: 98a - Kruger-NP, Nwaswitshaka (2531AB): **SNP**: 98 - Kruger-NP, unspecified locality (2503S 3132E): **SNP**: 98b - Limpopo province: **TM**: 47968 - Lydenburg, 80 km ENE (ca. 24 49 S 30 11 E, ca. 539m): **BMNH**: 1900.11.6.1 - Makapansgat, Historic Cave (2408S 2912E): **TM**: 41034 - Matukwale Dam (22 40 41 S 30 58 10 E): **KNP**: 129 - midtown (2614S 2815E): **TM**: 17035 - N'Waswitshaka Experimental Burn Plots (25 04 48 S 31 22 54 E): **KNP**: 98 - Skukuza Staff Picnic site (24 59 S 31 36 E): **TM**: 42489 - Skukuza, 7 km E (24 58 20 S 31 39 43 E): **TM**: 42488 - Warmbaths (2453S 2818E): **TM**: 42688 - Waterberg, Farm Klipfontein 54JS (2408S 2808E): **TM**: 39421 - Xixengendzini road (24 43 25 S 31 58 38 E): **KNP**: 93.

South Sudan:

Gilo (04 02 18 N 32 50 43 E, 1736 - 1863 m): **SMNS**: 29988.

Tanzania:

btw. Kipara and Ikulia Rivers: **HZM**: 5.5426 - Kinole (0654S 3746E, 740 m): **ZMB**: 54653 (Holotype *Vespertilio venustus*) - Lake Tanganyika, Tanganyika (0452S 2937E): **ROM**: 91210 - N-slope Uluguru Mts., Kinole (0654S 3746E, ca. 740m): **ZMB**: ? - Rondo Forest Reserve (10 09 00 S 39 15 00 E, 473 m): **SMF**: 82545 - Rungwe District (09 15 00 S 33 40 00 E, 5000 ft): **RMCA**: 96.037-M-7158, 96.037-M-7159, 96.037-M-7160, 96.037-M-7161, 96.037-M-7162, 96.037-M-7163, 96.037-M-7215 - Rungwe Mts., Mwatesi Stream (0908S 3340E, 2015m): **NMZL**: 2698 - Udzungwa Mts, Udzungwa Scarp Forest Reserve, Kihanga (0822S 3556E, 1800 m): **FMNH**: 164084 - Udzungwa Mts, West Kilombero Scarp Forest Reserve, Ndundulu Forest (0750S 3628E, 1450 m): **FMNH**: 169543 - Uhafiwa Luhega Forest (08 30 S 35 51 E, 1400m): **SMF**: 79571.

Uganda:

Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River (0021N 3000E, 1890 m): **FMNH**: 144313.

Zambia:

Mafinga Mountains (0959S 3318E, 1950m): **NMZL**: 2573 - Makutu Mountains (1025S 3318E, 2070m): **NMZL**: 2572 - Nsombo (10 49 S 29 57 E, 1175 m): **SMF**: 12145.

Zimbabwe:

3rd Street (17.83S 31.07E): **NHMZ**: 80464 - Baines Ave (17.83S 31.07E): **NHMZ**: 57879 - Civic Centre (17.83S 31.07E): **NHMZ**: 57881 - Dorowa Mine (19.07S 31.77E): **NHMZ**: 80373 - Helensvale (1744S 3109E, ca. 1503m): **HZM**: 3.4131 -

Kingsway (1749S 3103E, ca. 1481m): **HZM**: 4.4133 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **NHMZ**: 56442 - Old Umtali (18 58 29 S 32 39 20 E, 1094m): **HZM**: 2.4100 - Salisbury Street (17.83S 31.07E): **NHMZ**: 57883 - Selenda, mount (2024S 3242E): **TM**: 3977 - Vumba (19 07 S 32 44 E): **NHMZ**: 57882.

Scotophilus Leach, 1821

"Africa":

Unknown locality: **MNHN**: ZM-AC-I-524, ZM-MO-1976-6; **NHMZ**: 20218, 20220, 22628, 22854, 22855, 22857, 54149, 54150, 54153, 54154, 54156, 54157, 54158, 54159, 54160, 59119, 59259, 59260, 59261, 59262, 59264, 59265, 59266, 59267, 59268, 59273, 61976, 63217, 64172, 64177, 64178, 64179, 64180, 64181, 64182, 64183, 64184, 64185, 64191, 64192, 64193, 64200, 64202; **RMCA**: 90.010-M-0006 - Bengale: **MNHN**: ZM-AC-I-528 - Sampi: **MNHN**: ZM-MO-1911-1587.

Botswana:

Kwai Mababe Flats (1922S 2407E): **TM**: 6544.

Burundi:

Bujumbura (03 23 00 S 29 22 00 E, 794 m): **MHNG**: 1607.042, 1607.043, 1607.045, 1607.046, 1607.047, 1607.049, 1607.050 - Gitega (03 25 35 S 29 55 51 E, 1845 m): **MHNG**: 1607.053, 1607.054 - Kanyosha (=Kaniosha) (03 24 41 S 29 21 40 E, 844 m): **MHNG**: 1607.084.

Cameroon:

Lomié (03 10 00 N 13 37 00 E, 611 m): **ZMA**: MAM.24591.

Central African Republic:

Boukoko (035400N 175600E): **MNHN**: ZM-MO-1984-212, ZM-MO-1984-215, ZM-MO-1984-216 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1985-343, ZM-MO-1985-344, ZM-MO-1985-345, ZM-MO-1985-346, ZM-MO-1985-347 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-883.

Congo:

Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: ZM-MO-1984-1394, ZM-MO-1985-1382.

Congo (Democratic Republic of the):

Kivu: **MNHN**: ZM-MO-1985-1067.

Côte d'Ivoire:

Kpaboko (06 10 03 N 04 56 14 W, 75 m): **MNHN**: ZM-MO-1986-1, ZM-MO-1986-2, ZM-MO-1986-3 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-573, ZM-MO-1985-574, ZM-MO-1985-575, ZM-MO-1985-576, ZM-MO-1985-577, ZM-MO-1985-578 - Pakobo (06 10 03 N 04 56 14 W): **MNHN**: ZM-MO-1986-4, ZM-MO-1986-5, ZM-MO-1986-6, ZM-MO-1986-7, ZM-MO-1986-8, ZM-MO-1986-9.

Ethiopia:

Lalibela (12 02 N 39 03 E, 2472 m): **EBD**: MAM 25845.

Ghana:

Gbele Resource Reserve (10 31 N 02 13 W, 200 m): **KU**: 165576, 165577.

Guinea:

Zouguépo (074220N 082426W, 526 m): **MNHN**: ZM-MO-1981-1210.

Kenya:

Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 78809, 78810 - Mombas [=Mombassa] (0403S 3940E): **ZMB**: 5075.

Madagascar:

Sainte-Marie (160800S 465800E, 147 m): **MNHN**: ZM-MO-1985-435, ZM-MO-1985-436 - Sarondrano caves (23 30 37 S 43 44 07 E): **MNHN**: ZM-MO-1912-48, ZM-MO-1976-420.

Malawi:

Ncheu [=Ntcheu] (14 49 S 34 38 E, 1081 m): **BRTC**: 20895.

Mali:

Dialagou (14 32 02 N 04 07 57 W, 271 m): **MNHN**: ZM-MO-1984-1317, ZM-MO-1984-1318, ZM-MO-1984-1319, ZM-MO-1984-1320, ZM-MO-1984-1321.

Mozambique:

Beira (1933S 3442E): **TM**: 1092 - Beira (195037S 345020E, 14 m): **BMNH**: 1907.6.2.18, 1907.6.2.19, 1907.6.2.20 - Mague (1552S 3137E): **TM**: 14704.

Namibia:

Alte Fest (2217Ca): **SMW**: 9917 - Eiseb R (2020Ca): **SMW**: 12330, 12339, 12349, 12350, 12351, 12372, 12383, 12384, 12388, 12389 - Eiseb R, Therosvallei (2020Da): **SMW**: 12425, 12426 - Farm Waterberg 416 (2017Cb): **SMW**: 4291 - Omega (1803S 2211E): **SMW**: 9902 - Ondongwa (3378 ft): **BMNH**: CN1143, CN1148 - Papa Falls (18.13S 21.63E): **SMW**: 9892 - Pioniers Park (22.38S 17.38E): **SMW**: 9984 - Tsotsana, 18 km W (1904S 2037E): **SMW**: 1903.

Nigeria:

Unknown locality: **BMNH**: 1906.7.18.3, 1952.1263.

Senegal:

Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1995-1818, ZM-MO-1995-1819.

South Africa:

5 km N Potgietersrus (2408S 2900E): **TM**: 43224, 43225 - Albany district (ca. 2715S 2658E): **SAMC**: 388, 389 - Anthrax camp (222530S 311230E): **TM**: 36643, 36644, 36645, 36646, 36809, 36810, 36835, 36836, 36847, 36848, 36850, 36851, 36910, 36911, 36912, 36913, 36915, 36916, 36917, 36918, 36958, 36959 - Brooklyn (2545S 2814E): **TM**: 43199 - Culling camp (22 25 40 S 31 15 15 E): **TM**: 37824, 37825, 37826, 37827, 37828, 37934 - Erfplaas Windmill (2357S 3107E): **TM**: 36569 - Fig Tree Camp (22 26 00 S 31 11 00 E): **TM**: 36552, 36553, 36554, 36555, 36556, 36606, 36715, 36717, 36718, 36722, 36726, 36748, 36749, 36750, 36751, 36752, 36753, 36754, 36755, 36756, 36757, 36865, 36939, 36940, 36941, 36942, 36945, 37008, 37009, 37010, 37011, 37012, 37673, 38144 - Fig Tree camp (2226S 3111E): **TM**: 36108, 36109, 36110 - Fig Tree Camp, left hand bank (2225S 3115E): **TM**: 37670, 37671, 37672, 37674, 37675 - Fig Tree Forest (22 26 00 S 31 11 00 E): **TM**: 38141, 38142, 38143 - Figtree camp (22 25 50 S 31 11 50 E): **TM**: 38165, 38166 - Figtree Forest (2225S 3112E): **TM**: 37689, 37690, 38140 - Figtree Forest, downstream (2225S 3115E): **TM**: 37453, 37454 - Jane Furse Hospital (2552S 2923E): **TM**: 13206 - Levuvhu bridge (2225S 3111E): **TM**: 37030 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 34167, 34170 - Levuvhu River (2226S 3111E): **TM**: 36432, 36460, 36461,

36464, 36467, 36468, 36472 - Louw's Creek (2539S 3118E): **TM**: 43198 - Manxeba windmill (22 24 S 31 14 E): **TM**: 37135, 37136, 37137, 37138, 37139, 37140, 37141, 37142, 37143, 37144, 37145, 37146, 37213, 37214, 37215, 37216, 37217, 37218, 37219, 37220, 37221, 37222, 37455, 37456, 37457, 37458, 37459, 37460, 37461, 37462, 37700, 37701, 37731, 37732, 37733, 37734, 37735, 37736, 37737, 37738, 37739, 38124, 38125, 38126, 38127, 38128, 38129, 38130, 38162 - New Figtree Forest (22 25 S 31 18 E): **TM**: 37853, 37899, 37900, 37903 - Old Culling camp (2225S 3115E): **TM**: 37714 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36628, 37038, 37915, 38149 - Onderstepoort (2537S 2812E): **TM**: 11782 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 29970 - Pretoria (2543S 2809E): **TM**: 12223 - Roodevaal Private Camp, 2 km SE (2408S 3136E): **TM**: 39678 - Skukuza, 1.5 km NW (24 59 50 S 31 36 21 E): **TM**: 39757 - St. Lucia Village (28 23 S 32 25 E): **TM**: 40083 - Sugarloaf Camp Site (28 22 S 32 25 E, 20 m): **TM**: 47823.

South Sudan:

Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586795, 586796, 586798 - Kabi stream (03 56 52 N 31 34 41 E, 929 m): **USNM**: 587015, 587017, 587028, 587030, 587035, 587036, 587048, 587049, 587054, 587055, 587056, 587059, 587645, 587655, 587656, 587657, 587658, 587659, 587660, 587662, 587663, 587665, 587667, 587670, 587673, 587674, 587676, 587679 - Kombi stream, behind Reeder compound (03 55 58 N 31 36 17 E, 950 m): **USNM**: 587709 - Kungupuri (Bekat) Stream (03 52 47 N 31 38 42 E, 931 m): **USNM**: 586957, 586958, 586959, 586960, 586961, 586964, 586966 - Mere (government offices) (03 53 06 N 31 40 14 E, 1022 m): **USNM**: 586996, 586997, 586998, 586999, 587000 - Mundari Civil Hospital (03 51 10 N 31 39 26 E, 965 m): **USNM**: 587141 - Wau (074200N 280000E): **MSU**: MR.33631, MR.33638.

Sudan:

Unknown locality: **MSU**: MR.33701, MR.33702, MR.33703 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **ZMA**: MAM.22182 - Nubian Desert (20 30 N 33 00 E): **MNHN**: ZM-MO-1997-2041.

Tanzania:

Unknown locality: **BMNH**: 1931.6.7.1 - Dar es Salaam University (06 48 00 S 39 17 00 E): **FMNH**: 155909 - Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187229 - Kibebe farms (0747S 3545E, 1550 m): **FMNH**: 178015 - Kilombero Valley (08 40 S 36 30 E, 330 m): **FMNH**: 182943, 182944, 182945 - Kimboza Forest Reserve (070145S 374642E): **FMNH**: 183265, 183266 - Namakutwa Forest Reserve (081500S 390022E): **FMNH**: 183243, 183244 - Nambiga Forest Reserve (0834S 3629E): **FMNH**: 183010 - Zanzibar (06 10 S 39 20 E): **ZMB**: 3266, T10637.

Uganda:

Entebbe (00 03 52 N 32 26 49 E, 1132 m): **MCZ**: 45110.

Zimbabwe:

Unknown locality: **NHMZ**: 54148 - Angwa: **MNHN**: ZM-MO-1991-257 - Angwa River: **MNHN**: ZM-MO-1990-927 - Rusito forest, Rustio River (ca. 195218S 330137E): **NHMZ**: 30057 - Sengwa Wildlife Research Station (1810S 2813E): **TM**: 34895, 34900, 34901.

Scotophilus andrewreborii Brooks and Bickham, 2014

Kenya:

Bushwacker's Safari Camp (02 19 S 38 07 E): **CM**: 98044, 98045, 98054 - Karibiti: **CM**: 61497, 61498, 61499, 61500 - Makandara picnic site (04 15 S 39 23 E): **CM**: 98042 - Nakuru, 12 km S, 4 km E (00 24 S 36 07 E): **CM**: 98048 (Paratype *Scotophilus andrewreborii*), 98049 (Holotype *Scotophilus andrewreborii*) - Nanyuki (00 01 00 N 37 04 00 E, 1986 m): **CM**: 61501 - Njoro River (00 19 S 36 03 E): **CM**: 98050 (Paratype *Scotophilus andrewreborii*) - Wei Wei River bridge (01 29 N 35 29 E, 1030 m): **CM**: 102248, 102249.

Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803)

Réunion:

Réunion Island (ca. 21 06 S 55 36 E, 0 - 1700 m): **RMNH**: MAM.28508.

Scotophilus dinganii (A. Smith, 1833)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1981-458; **TM**: 31772, 47495, 47496, 47497, 47498, 47499, 47500, 47501, 47502, 47505, 47506, 47510, 47511.

Angola:

Alto Chicapa (1053S 1914E): **BMNH**: 1963.1037 - Alto Chicapa (1053S 1914E, 1300m): **MDL**: 4169a, 4169b, 5475a, 5475b - Canzele (08.38S 15.13E): **FMNH**: 81693 - Cunga (0922S 1337E): **USNM**: 18798 - Dundo (0722S 2050E, 726m): **MDL**: 11177, 11182, 5222, 5225, 5228, 5229a, 522a, 5247, 5266, 5268, 5280, 5880a, 5880b, 5882, 5883 - Dundo (0724S 2047E, 726m): **FMNH**: 66525, 66526, 66527 - Dundo Lundo (0722S 2050E): **BMNH**: 1963.1036, 1967.1248 - Huila (15.13S 13.63E): **FMNH**: 83606 - Otjipomenima (1641S 1455E): **RMNH**: MAM.28012.

Benin:

Guéné (11 44 N 03 13 E, 216 m): **USNM**: 479522 - Ouari-Maro forest (09 10 N 02 10 E): **ZMA**: MAM.26224 - Segbana (1056N 0342E): **USNM**: 479523, 479524, 479525, 479526 - Zizonkame (0755N 0201E): **USNM**: 438949, 438950.

Botswana:

Unknown locality: **RMNH**: MAM.30690, MAM.30691 - Dikomo Di Kai (24.87S 24.52E): **USNM**: 382684 - First Pole Bridge (19.57S 22.88E): **NHMZ**: 59220 - Francistown (2021S 2527E): **ZFMK**: 1965.0537, 1965.0539, 1965.0638 - Francistown (21.15S 27.5E): **NHMZ**: 64163 - Francistown, 32 km N (20.9S 27.5E): **NHMZ**: 64162 - Gomoti R (19.37S 23.37E): **NHMZ**: 64161 - Livingstone Cave (ca. 242500S 253200E): **AMNH**: 168244, 168245 - Lobatsi (2513S 2540E): **USNM**: 382680, 382681, 382682, 382683 - Masetsi Bridge (20.5S 26.5E): **NHMZ**: 64188 - Maun (19 59 S 23 25 E, 927 m): **USNM**: 367754 - Molepolole (2424S 2531E): **MVZ**: 117212, 118021, 118022, 118023, 118024, 118025, 118026, 118027 - Sehitwa, 16 km SW (20.38S 22.63E): **USNM**: 367761 - Seronga, 72 km ESE (190656S 214844E, 1000 m): **ROM**: 62643 - Serowe, 40 km NW (22.0S 26.29E): **NHMZ**: 64158 - Serowe, sewage ponds (22 24 11S 26 41 34 E): **WAM**: M29512, M29513 - Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S (18 33 S 21 02 E): **USNM**: 425352, 425353, 425354, 425355, 479512, 479513, 479514, 479515, 479516, 479517, 479518, 479519, 479520, 479521 - Shakawe, 70 km SW (18 33 S 21 01 E): **NHMZ**: 64197; **USNM**: 425351 - Tamafupi (2116S 2610E): **USNM**: 382686, 382687 - Tamafupi, 33 km N (19.15S 26.0E): **USNM**: 382685 - Tshana (2405S 2503E): **USNM**: 382674, 382675, 382676, 382677

- Tshana (2413S 2510E): **USNM**: 382658, 382659, 382660, 382661, 382662, 382663, 382664, 382665, 382666, 382667, 382668, 382669, 382670, 382671, 382672, 382673 - Tsigara (20.33S 25.83E): **NHMZ**: 64160 - Tsum Tsum (19.0S 23E): **NHMZ**: 54143 - Xugana (19.08S 23.1E): **USNM**: 518680 - Xugana (1905S 2306E, 975 m): **USNM**: 518681, 518684 - Xugana Island, Splash Camp (1905S 2306E): **AMNH**: 269191, 269192, 269193, 269194, 269195 - Xugana, 13 mi [=17 km] N (1857S 2253E, 975 m): **USNM**: 518686 - Zelu, 3 mi [=4.8 km] W (2210S 2912E): **USNM**: 382679.

Burkina Faso:

Nobéré, 1 km S (1126N 0110W): **AMNH**: 237387.

Burundi:

Bujumbura (03 23 00 S 29 22 00 E, 794 m): **MHNG**: 1607.044, 1607.048, 1607.055, 1607.093, 1607.094, 1608.012; **RBINS**: 19915.1, 19915.2; **RMCA**: 35156, 82.016-M-0002, 82.016-M-0005, 82.016-M-0006, 82.016-M-0007, 82.016-M-0008, 82.016-M-0072, 82.016-M-0124 - Kanyosha (=Kaniosha) (03 24 41 S 29 21 40 E, 844 m): **MHNG**: 1607.085, 1607.086, 1607.087, 1607.088 - Muyebe (03 29 49 S 29 46 44 E, 1764 m): **MHNG**: 1607.092 - Mweya (03 29 25 S 29 55 42 E, 1762 m): **MHNG**: 1608.013, 1608.014, 1608.015, 1608.016, 1608.017 - Nyanza territory (04 20 S 29 37 E): **RMCA**: 90.008-M-0001 - Resha (0354S 2924E): **SMF**: 57567, 57568, 57569 - Rwintare (03 30 46 S 29 39 28 E, 2111 m): **MHNG**: 1608.008, 1608.009, 1608.010.

Cameroon:

Koza (10 52 08 N 13 52 51 E, 485 m): **RMCA**: 75.003-M-0140 - Mbakaou (06 19 00 N 12 49 00 E, 833 m): **RMCA**: 73.018-M-0134, 73.018-M-0135 - Mizao (10 35 58.8 N 14 18 44.4 E, 403 m): **LZUM**: BFEM 030 - Okola: **TTU**: 18003 - Tibati (06 28 00 N 12 38 00 E, 838 m): **RMCA**: 73.018-M-0133.

Central African Republic:

Bohou River (ca. 06 32 47 N 23 24 46 E): **MNHN**: ZM-MO-2000-875 - Loango: **AMNH**: 54267 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-1021, ZM-MO-2000-1022, ZM-MO-2000-876, ZM-MO-2000-877, ZM-MO-2000-878, ZM-MO-2000-960.

Congo:

Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: 140, 151, 158, 177, ZM-MO-1981-452, ZM-MO-1981-453, ZM-MO-1981-454, ZM-MO-1981-455, ZM-MO-1981-456, ZM-MO-1981-457; **ZMA**: MAM.15689, MAM.15690, MAM.15691, MAM.15692, MAM.15693, MAM.15694, MAM.15695, MAM.15696, MAM.15697, MAM.15698, MAM.15699, MAM.15700 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1889-890, ZM-MO-1889-891 - Pointe-Noire (04 47 41 S 11 50 46 E, 1 m): **ZMA**: MAM.14663, MAM.15658, MAM.15659, MAM.15660, MAM.15661, MAM.15662, MAM.15663, MAM.15664, MAM.15665, MAM.15676, MAM.15677, MAM.15678, MAM.15679, MAM.15680, MAM.15681, MAM.15682, MAM.15683, MAM.15684, MAM.15685, MAM.15686, MAM.15687, MAM.15688.

Congo (Democratic Republic of the):

Albert, lake (01 40 N 30 40 E): **BMNH**: 1907.6.14.11, 1907.6.14.12 - Albertville (0556S 2912E, 763 m): **RBINS**: 9069 - Bambesa (03 28 00 N 25 43 00 E, 614 m): **RMCA**: 14073 - Banana (060100S 122400E, 0 m): **RMCA**: 20748, 21374; **SMF**: 2515; **ZMA**: MAM.09008 - Beno (03 37 00 S 17 48 00 E, 281 m): **RMCA**: 19831, 19832, 19833, 19848 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 18141 - Bokungu (004100S 221900E, 402 m): **RMCA**: 18929b - Boma (0551S 1303E, 61 m): **RMCA**: 26321, 26322 - Elisabethville (114000S 272600E, 1209 m): **RBINS**: 14454; **RMCA**: 12149, 12150, 12850, 16212, 16233, 16255, 23819, 23898, 9179 - Funda Biabo (09 50 00 S 25 33 00 E, 693 m): **RMCA**: 16232 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 8125, 8126, 8127.1 - Haute Congo: **RMNH**: MAM.28010 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RBINS**: 14452, 14453; **RMCA**: 27585, 33986 - Kabalo (06 03 00 S 26 55 00 E, 530 m): **RMCA**: 16249 - Kabwe (061200S 222300E, 610 m): **FMNH**: 152836, 152837 - Kadia (08 16 00 S 26 36 00 E, 556 m): **RMCA**: 16252 - Kakontwe cave (105900S 263800E, 1294 m): **RMCA**: 31217 - Kalenda [Kasai] (07 08 00 S 23 32 00 E, 821 m): **RBINS**: 7792 - Kamponde (06 42 00 S 22 56 00 E, 829 m): **RMCA**: 33383, 33384, 33385, 33386, 33387, 33388 - Kananga (05 53 45 S 22 25 04 E, 608 m): **AMNH**: 212597, 212598 - Katanda (00 50 54 S 29 22 08 E, 975 m): **INPBC**: W1369 - Kikole-Pecheur: **SMF**: 58065, 58066 - Kikwit (05 03 44 S 18 52 38 E, 438 m): **MSB**: 274622; **RMCA**: 97.021-M-0840 - Kikwit ITPK (05 03 44 S 18 52 38 E, 438 m): **MSB**: 274926, 274986, 274987; **RMCA**: 97.021-M-0847, 97.021-M-0848 - Kinkole (03 57 S 16 07 E, 474 m): **ZMA**: MAM.21149, MAM.21150, MAM.21151, MAM.21152 - Kinzambi mission (04 58 38 S 18 46 28 E, 312 m): **MSB**: 274922, 274923, 274924, 274925; **RMCA**: 97.021-M-0843, 97.021-M-0844, 97.021-M-0845, 97.021-M-0846 - Kipopo (11 34 00 S 27 21 00 E): **MHNG**: 922.082; **RMCA**: 26323, 26324, 26325, 26326; **SMF**: 16866 - Kipushi (114600S 271400E, 1329 m): **RMCA**: 22458 - Kisantu (050700S 150500E, 421 m): **RMCA**: 6564 - Kyasala cave (09 56 00 S 25 58 00 E, 1300 m): **RMCA**: 23851b - Losho (00 08 S 29 36 E, 950 m): **RMCA**: 37380 - Lovanium university (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 32624, 32625, 32626, 32627, 32628, 32629, 32630 - Lubumbashi (1140S 2728E): **RBINS**: 18512.1, 18512.2, 18512.3, 18512.4 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 31566, 32669, 32670, 32671, 32672, 33310, 33311, 33312, 33313, 33314, 33315, 33316, 33317, 33318, 33319, 33380, 33381, 33382, 33595, 33649, 33650, 33651, 33652, 35287, 35288 - Luluabourg, gorge (ca. 055300S 222600E): **RMCA**: 32769, 32770, 32771, 32772 - Mbalaka (plantation) (05 00 00 S 18 53 00 E): **MSB**: 274988, 274989; **RMCA**: 97.021-M-0841, 97.021-M-0842 - Mbwambala (05 03 00 S 18 55 00 E): **RMCA**: 97.021-M-0839 - Nagero (03 45 N 29 31 E, 753 m): **RBINS**: 14629 - Panda (10 37 S 26 50 E, 1140 m): **RMCA**: 33987, 33988 - Paulis (0246N 2737E, 730 m): **RMCA**: 17931, 18569, 18943a - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V1362, V1420.2, V1426, V1522.2, V415, W334, W917; **RMCA**: 13868, 14065, 37379 - Rwindi (00 47 05 S 29 17 26 E, 1027 m): **INPBC**: V1623 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7110, 7111, 7112, 7119 - Tandala (02 58 00 N 19 21 00 E, 456 m): **USNM**: 537728, 537729 - Tungudu (00 45 N 29 40 E, 840 m): **RMCA**: 37378 - Uvira (032424S 290845E, 746 m): **RMCA**: 22757, 27203, 27220 - Virunga National Park (01 00 00 S 29 15 00 E): **INPBC**: V1807, V1957 - Vitshumbi (00 40 56 S 29 23 12 E, 907 m): **RBINS**: 4772 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537726, 537727.

Côte d'Ivoire:

Unknown locality: **SMF**: 91998 - Dabakala (0822N 0426W, 249 m): **FMNH**: 105331.

Eritrea:

Bogos (1546N 3830E): **RMNH**: MAM.28008.

Ethiopia:

Unknown locality: **BMNH**: 1970.2279, 1972.4424_1, 1972.4424_2, 1972.4424_3, 1972.4424_4, 1972.4424_5, 1972.4424_6, 1972.4424_7, 1972.4424_8, 1972.4424_9, 1972.4433, 1972.4434, 1972.4435 - Abiata, lake (0737N 3836E): **USNM**: 589162, 589163, 589164, 589165, 589166, 589167, 589169, 589170, 589171, 589172 - Abyssinia: **BMNH**: 1873.4.16.23 - Arba Minch (06 02 N 37 36 E, 1284 m): **SMF**: 45007 - Bilo (0853N 3700E): **BMNH**: 1900.3.3.3 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **USNM**: 462762, 497622, 497623, 497624, 497625, 589161 - Dangila (1117N 3655E): **BMNH**: 1928.1.11.26, 1928.1.11.27, 1928.1.11.28, 1937.2.24.14, 1937.2.24.15, 1937.2.24.16 - Dire Daoua (09

35 00 N 41 52 00 E, 1236 m): **RMCA**: 13740, 13741 - Dire Dawa (0932N 4153E, 1250 m): **ZMB**: 48184, 48185, 48186 - Dobleh (0700N 4500E): **BMNH**: 1899.2.11.2 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1390 m): **BRTC**: 57955, 57956, 57958, 57969, 57970, 58657 - Gambela (08 15 N 34 35 E, 514 m): **ZFMK**: 1973.0157, 1973.0158 - Ginir, 49 km N (0706N 4040E, 1951 m): **ROM**: 71814, 71819, 71825, 71831, 71833, 71875 - Gondar (1237N 3727E): **BMNH**: 1960.142 - Harar (0918N 4208E): **BMNH**: 1902.9.9.8 - Harrar [=Harar] (0918N 4208E): **BMNH**: 1902.9.9.9 - Haza Boran: **BMNH**: 1909.6.1.10 - Koka (08 26 N 39 02 E, 1700 m): **USNM**: 462761 - Melka Were (0919N 4007E, 810 m): **ROM**: 71991 - Wadere (0659N 4520E): **BMNH**: 1954.1017 - Wereta-Weldiya Road (11 55 N 37 55 E, 2100 m): **CM**: 114043 (Paratype *Scotophilus ejetai*) - Yavello, 25 km N (0503N 3812E): **BMNH**: 1971.2456.

Ghana:

Unknown locality: **BMNH**: 1946.375, 1975.562 - Accra (05 33 N 00 13 W, 98 m): **ZMB**: 3593, 3653 - Achimota (05 37 N 00 14 W, 82 m): **ROM**: 55097, 55114, 55126, 55187, 55188, 55189, 55190 - Côte d'Or: **RMNH**: MAM.28009a, MAM.28009b - Damango, near (09 15 N 01 45 W): **ROM**: 60204 - Greate Accra Region: **CM**: 113641, 113642, 113643 - Kete Krachi (07 48 N 00 01 W, 83 m): **ZMB**: 54357 - Legon (05 39 00 N 00 11 00 W, 30 m): **USNM**: 412145, 412146, 412147, 412150 (Paratype *Scotophilus livingstonii*), 412151, 412152, 412153, 412155, 412156, 412157, 412158, 429522, 429523, 429525, 429526, 429527, 429528 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424888 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 420063, 420066, 420072, 420073 - Teshi (0535N 0006W): **USNM**: 412143 - Volta region: **SMF**: 92137 - Wulasi (08 39 18 N 00 00 05 W): **USNM**: 424883, 424884.

Kenya:

Unknown locality: **AMNH**: 217021, 217022; **BMNH**: 1951.389, 1975.2611, 1975.2611_1, 1975.2611_2, 1975.2611_3, 1975.2611_4, 1975.2805, 1975.2952, 1975.2953_1, 1975.2953_2, 1978.937 - Aitong (0111S 3515E): **CAS**: 24601, 24602 - Archer's Post (0039N 3741E): **USNM**: 182696 - Baringo, 30 mi NW (0030N 3550E): **BMNH**: 1913.10.18.14 - Ewaso Ngi'ro (0035N 3732E): **BMNH**: 1912.7.1.12, 1912.7.1.13, 1912.7.1.14 - Fort Hall (0042S 3470E, 4 000 ft): **BMNH**: 1902.7.6.11 (Holotype *Scotophilus nigrita colias*) - Fort Hall (0042S 3740E): **ROM**: 66030 - Fort Hall (0042S 3740E, 4000 ft): **BMNH**: 1902.7.6.12 - Garsen, 8.5 km N (0216S 4007E): **ROM**: 71293, 71298 - Gilgil river (0029S 3619E): **BMNH**: 1900.6.21.2 - Ikuywa river bridge (0013N 3455E): **MCZ**: 60089, 60090 - Isiolo (0020N 3736E): **USNM**: 350993, 350994 - Kabarsera (0056N 3552E, 762 m): **USNM**: 548519, 548520, 548521, 548542, 548543, 548544, 548545 - Kabete (01 16 00 S 36 43 00 E, 1826 m): **FMNH**: 86013, 86014, 86599, 86600, 86601, 86602, 86603, 86604; **SMF**: 25842, 25843, 25844, 25845, 25846, 25847, 25848, 25849, 25850, 25851 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 50471, 50488, 50536, 81293, 81294, 81311, 81312, 81313, 81314, 81315, 81316, 81317, 81318, 81319 - Kalamou: **FMNH**: 152802 - Kalonduni (ca. 0138S 3730E): **ROM**: 99041 - Kampi ya Samaki (0038N 3617E): **ROM**: 68592, 68601, 68602, 68603 - Kapsaina (0057N 3516E, 610 m): **ROM**: 65855 - Karen (01 20 S 36 45 E, 1706-1829 m): **BMNH**: 1975.2612, 1975.2613, 1975.2614; **ROM**: 81203, 81204; **USNM**: 436777, 436778 - Karura Forest (01 14 S 36 50 E, 1828 m): **ROM**: 41831 - Kiabasi (1900 ft): **AMNH**: 114484, 114485 - Kiambu (011000S 365000E): **USNM**: 436779, 436780, 436781, 436782, 436783, 436784, 436785, 436786 - Kiambu, 4 mi [=6 km] NW (0110S 3650E): **ROM**: 68174 - Kiambu, 4 mi NW (0110S 3650E): **ROM**: 68173 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **USNM**: 436787, 436788, 436789, 436790, 436791, 436792, 436793, 436794 - Kiboko Campsite (00 19 03 N 36 54 39 E): **MMU**: PWW2707 - Kibwezi (02 25 00 S 37 58 00 E, 3000 - 4000 ft): **AMNH**: 184367; **USNM**: 436795, 436796 - Kilifi (03 38 S 39 51 E, 61 m): **BMNH**: 1975.2609, 1975.2610 - Kilifi, 1.5 mi [= 2.4 km] N (033800S 395100E, 50 m): **FMNH**: 152806 - Kilifi, 2 mi N (ca. 033800S 395100E, 50 m): **FMNH**: 152807 - Kilimani Estate (0117S 3647E): **ROM**: 73142, 73143, 73144, 73145, 73146, 73147, 73149, 73150, 73169, 73170, 73171, 73172, 73173, 73174 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **ROM**: 65809, 73341, 73342; **USNM**: 436798, 436799, 436800, 436801, 436802, 436803, 436804, 436805, 436806, 436807, 436808, 436809, 436810, 436811, 436812, 436813 - Kitale, 24 km from (0108N 3452E): **ROM**: 65606 - Kitoko River: **ROM**: 71264 - Kitui (0122S 3801E, 3 500 ft): **ZMB**: 5263 - Kongelai (0128N 3502E): **ROM**: 38282 - Kongelai (0128N 3502E, 1350 m): **ROM**: 81355, 81356, 81357, 81358 - Kongelai Escarpment, Tambala Falls (2134m): **FMNH**: 152808, 152809, 152810 - Konza (0145S 3707E): **RMNH**: MAM.28667 - Lakiundu River: **USNM**: 182695 - Lukenia (0129S 3703E, 5000 ft): **CAS**: 11961, 11962, 11963 - Machakos (0131S 3716E, 5000 ft): **CAS**: 12200 - Maji Moto (0013N 3606E): **USNM**: 436815 - Makindu (0217S 3749E, 1070 m): **ROM**: 65881, 65882 - Malindi, 30 mi N (0246S 4008E): **BMNH**: 1975.2615, 1975.2617, 1975.2618, 1975.2619 - Mara River: **ROM**: 41772 - Markwijit (0112N 3505E, 1996 m): **ROM**: 65853, 65854 - Marsabit road (0220N 3759E): **USNM**: 182694, 184367 - Maungu (0334S 3846E): **ROM**: 68510 - Maungu (61m): **ROM**: 68508, 68509, 68511, 68677, 68678, 73175, 73176, 73177, 77491, 77492 - Molo river (0155S 3545E, 1067 m): **ROM**: 75504 - Molo, 4 mi [=6.4 km] E (00 13 59 S 35 45 00 E, 2347 m): **USNM**: 436814 - Morok River (002028N 353756E, 1372 m): **ROM**: 75420 - Mount Elgon (ca. 010043N 344415E): **ROM**: 66238 - Mount Nasolot, near (0149N 3518E): **ROM**: 73423 - Mount Nyiru (014400N 360900E): **ROM**: 73386, 73387 - Mtito Andei (0240S 3810E): **ROM**: 48601 - Mukanda river (04 10 S 39 27 E, 152 m): **RMNH**: MAM.27160, MAM.27161, MAM.27162, MAM.27163, MAM.27164, MAM.27165, MAM.27166, MAM.27168, MAM.27171, MAM.27175, MAM.27176, MAM.27178; **ZMA**: MAM.20805, MAM.20806 - Mukanda river, near bridge 2 (ca. 04 10 S 39 27 E): **ZMA**: MAM.21656 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 76528, 76529, 76537, 76545, 76553 - Muumandu (01 35 S 37 21 E): **ROM**: 79676 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **CAS**: 11955, 11956, 11957, 11958, 11959, 11960; **ROM**: 28168, 38281, 68467, 68482, 68483, 79827, 81197; **SMF**: 19410, 19411, 19460, 19860, 19861; **USNM**: 166528, 166533, 166534, 166535, 166536, 166537, 166538, 301520, 350987, 350988, 350989 - Nairobi (0117S 3652E): **ROM**: 68564 - Nairobi Area (ca. 01 17 S 36 49 E): **SMF**: 38446, 38447 - Nairobi Station (011700S 364900E): **USNM**: 162109, 164015 - Nairobi, 10 mi [= 16 km] below (011700S 364900E, 1707 m): **FMNH**: 67690 - Naivasha (00 43 S 36 26 E, 2085 m): **ROM**: 78823 - Naivasha, 10 mi [=16 km] W (ca. 00 42 46 S 36 17 13 E): **USNM**: 436776 - Naivasha, 24 km E (00 44 S 36 39 E): **ROM**: 73381 - Nakuru, 12 km S, 4 km E (0024S 3607E): **MCZ**: 59889, 59890 - NE Cherangani Hills, Kipsain river (0107N 3506E, 1951 m): **ROM**: 81330, 81331, 81332 - Ngong (01 22 00 S 36 39 00 E, 1829 m): **CAS**: 12199; **FMNH**: 152803, 152804, 152805; **ROM**: 36378, 78808; **USNM**: 350990, 350991, 350992 - Nguruman Escarpment (0145S 3602E, 610 m): **ROM**: 71394, 71401 - Njoro River (0019S 3603E): **MCZ**: 59766, 59767, 59768 - Njoro, 3 mi [= 4.8 km] W (0020S 3554E, 2225 m): **ROM**: 75509 - Nyangala hill (0337S 3844E): **ROM**: 71229, 71230, 71231, 71232 - Ol Tukai lodge (024001S 371700E): **MSU**: MR.9818 - on Galole Road (013013S 400144E): **ROM**: 71294, 71295, 71296, 71297, 71299, 71300, 71317 - Ortum (0126N 3521E): **ROM**: 65856 - Rift Valley: **CM**: 61510 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 63891, 63892, 63893, 71059 - Rongai, 5 km S (0011S 3552E): **ROM**: 73131 - Rumuruti (0016N 3632E, 1821 m): **ROM**: 78807 - Rumuruti, 45 km N (0016N 3632E): **ROM**: 77495 - Saiwa river (0116N 3507E): **ROM**: 65857, 65858, 65936 - Sarmai (0146N 3528E): **ROM**: 40287 - Shimba Hills Nature Reserve (04 14 S 39 25 E): **RMNH**: MAM.28645, MAM.28660, MAM.28661, MAM.28662, MAM.28663; **ROM**: 59198, 59199, 59201 - Sigor (01 29 00 N 35 28 00 E, 750 m): **MCZ**: 60091; **ROM**: 36382, 38342, 38381, 40249 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152811, 152812, 152813 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **ZMA**: MAM.20802 - Solai Valley (0003N

3609E): **ROM**: 66338, 66339, 66340 - Suam River, Korau (0306N 3606E, 609 m): **ROM**: 66047, 66048 - Swan river (0146N 3507E): **ROM**: 38307 - Taveta Sisal Estate (03 24 S 37 41 E, 910 m): **MCZ**: 60092, 60093 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 79828, 79830, 79835, 79838 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **ZMA**: MAM.20803, MAM.20804 - Turkwell river (0240N 3521E): **ROM**: 40288 - Wei Wei River (ca. 01 30 00 N 35 30 00 E): **BMNH**: 1975.2616.

Malawi:

Unknown locality: **BMNH**: 1987.1149, 1987.1150, 1987.1151, 1987.1152, 1987.1175, 1987.1176 - Chileka (15 41 S 34 56 E, 777 m): **ROM**: 35785, 35786 - Chileka (15 41 S 34 56 E, 823 m): **ROM**: 35803 - Chileka (15.65S 34.92E): **ROM**: 37886 - Chileka (15.65S 34.92E, 777 m): **ROM**: 37887, 37889, 37890, 37897, 37898, 37901, 37902, 37903 - Chintheche (11 05 00 S 34 10 00 E, 482 m): **RMCA**: 95.003-M-0055 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.12.17.62, 1922.12.17.63, 1922.12.17.65, 1922.12.17.66; **KU**: 79312, 79313 - Fort Johnston [= Mangochi] (142800S 351600E, 469 m): **MCZ**: 43768 - Mulanje Mountain Conservation Trust (MMCT) office (ca. 15 55 S 35 40 E, 650 m): **DNSM**: 9123 - Ncheu [=Ntcheu] (14 49 S 34 38 E, 1081 m): **TM**: 9169, 9171.

Mali:

Badalabougou (12 37 25 N 07 59 02 W, 311 m): **MNHN**: ZM-MO-1996-402 - Samaya (12 32 58 N 08 03 19 W, 299 m): **MNHN**: ZM-MO-1996-398, ZM-MO-1996-399, ZM-MO-1996-400, ZM-MO-1996-401.

Mozambique:

Unknown locality: **BMNH**: 1906.11.8.17, 1907.6.2.15, 1907.6.2.16, 1907.6.2.17 - Beira (1933S 3437E): **TM**: 41051, 41052, 41053, 41054 - Chiutu (15.57S 33.28E): **USNM**: 365435 - Coguno (2423S 3432E): **BMNH**: 1906.11.8.14, 1906.11.8.16 - Cruz Dabacua Setache, Zinave (21.0S 33.5E): **NHMZ**: 63269 - Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8467 - Malucas (21.75S 33.25E): **NHMZ**: 63268 - Maputo (2549S 3244E): **TM**: 1095 - Maputo Special Reserve (26.34534S 32.92919E): **TM**: 47809 - Massangena (21 33 18 S 32 57 38 E, 115 m): **DNSM**: 8465; **USNM**: 352048 - Nkuli Camp (12 10 09 S 038 14 34 E): **DNSM**: 8466, 8468 - Ressano Garcia, 10 km SSE (25.37S 32.05E): **NHMZ**: 63255 - Ribaue, 27 km W (14 58 15 S 38 04 46 E, 586 m): **DNSM**: 8469 - Save River, south of bridge on EN1 (21 10 33 S 34 44 47 E, 52 m): **DNSM**: 9854 - Tambarara (1838S 3400E): **BMNH**: 1908.1.1.27, 1908.1.1.28, 1908.1.1.29, 1908.1.1.30, 1908.1.1.31, 1908.1.1.32 - Tete (1610S 3335E): **BMNH**: 1908.4.3.25 - Tette [=Tete] (1610S 3335E, 230 m): **ZMB**: 527 (Holotype *Nycticejus planirostris*) - Zinave NP, 3 km SSW (21.39S 33.89E): **NHMZ**: 63254, 63267.

Namibia:

Unknown locality: **SMF**: 26984, 26985, 35796; **SMW**: 10142 - Alte Feste (2217Ca): **SMW**: 6698, 6699, 6701, 6703, 6704 - Daan Viljoen Park (22.63S 16.88E): **SMW**: 2703 - Farm Eindpaal 429 (1915Bc): **SMW**: 8069, 8070, 8071, 8072, 8073, 8074, 8075 - Farm Eindpaal 429 [= Eindopaal] (19.38S 15.63E): **SMW**: 8068 - Farm Etaneo 44 (20.88S 16.38E): **SMW**: 7847 - Friedrichswald (2219S 1616E): **FMNH**: 83456 - Gam (2014S 2045E, 1069 m): **USNM**: 295192 - Gam Waterhole (20.42S 20.97E): **USNM**: 448331 - Gam Waterhole (2025S 2058E): **USNM**: 448332, 448333, 448334, 448335, 448336 - Gobabis (22.45S 19.87E): **KM**: 2392 - Great Ombathu (1746S 1343E): **BMNH**: 1928.9.11.38 - Kano valley (1914S 1920E): **BMNH**: 1935.9.1.69 - Kaoko Veld, southern part (ca. 1900S 1300E): **FMNH**: 84181, 84182, 84183 - Karakuwisa (15 56 S 19 44 E, 1350 m): **BMNH**: 1935.9.1.64; **SMW**: 6799, 6800, 6801, 6802 - Karibib (21 56 S 15 50 E, 1139 m): **ZFMK**: 1967.0137, 1967.0138, 1967.0140, 1967.0141 - Klein Windhoek (2217Ca): **SMW**: 6784 - New Dam (2234S 1706E): **TM**: 38455 - Nuitsas (1915S 1835E): **BMNH**: 1935.9.1.65, 1935.9.1.67 - Okahandja (21 59 S 16 55 E, 1324 m): **FMNH**: 78143, 78144; **SMF**: 20016, 23773, 23774; **ZFMK**: 1959.0409 - Okavango-Omataka junction (1756S 2029E): **BMNH**: 1935.9.1.60 - Olifant's Vlei [= Elephant Vlei / Vley] (1730S 1800E): **BMNH**: 1907.1.1.449 (Holotype *Scotophilus nigrita herero*) - Omaruru (21.28S 1600E): **KM**: 31812 - Omega: **SMW**: 13574 - Omega (18.05S 22.18E): **SMW**: 9002 - Omega, 12 km E (1822Ab): **SMW**: 13571, 13572, 13573 - Omuramba, Omatako (17.88S 20.38E): **SMW**: 6822 - Omuramba, Omatako (1720Cd): **SMW**: 6823, 6824 - Orongo Water Affairs Camp (1742S 1517E): **SMW**: 1122, 1123, 1124, 1156 - Otjiwarongo (20.46S 16.31E): **KM**: 28216 - Outjo, SW (20.3S 15.83E): **KM**: 28222 - Rundu, E (17.93S 20.48E): **KM**: 2401 - Ssanukanu (1806S 2023E): **BMNH**: 1935.9.1.61, 1935.9.1.62 - Western Caprivi, Omega: **SMW**: 13575 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **SMF**: 26192; **SMW**: 2694; **ZFMK**: 1961.0412, 1961.0413, 1971.0001.

Nigeria:

Unknown locality: **BMNH**: 1961.86, 1961.87, 1978.187_1, 1978.187_2, 1979.1734, 1979.1735_01, 1979.1735_02, 1979.1735_03, 1979.1735_04, 1979.1735_05, 1979.1735_06, 1979.1735_07, 1979.1735_08, 1979.1735_09, 1979.1735_10, 1979.1735_11, 1979.1746, 1979.1748, 1979.1754_1, 1979.1754_2 - Agege (06 37 19 N 03 19 33 E, 41 m): **ZMA**: MAM.18371, MAM.19026, MAM.19027, MAM.19028, MAM.19029 - Darazo, 6 km E (ca. 10 59 43 N 10 24 48 E): **ZMA**: MAM.14343 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **BMNH**: 1962.249, 1962.250; **USNM**: 378847, 378848, 378849, 378850, 378851, 378852, 378853, 378854, 378855, 378856, 378857, 378858, 378859, 378860, 378861, 379526, 379527, 402779, 402780, 402781, 402782, 402783, 402784, 402785, 402786, 402787, 402788; **ZMA**: MAM.18461, MAM.18462, MAM.18463, MAM.18464, MAM.18465 - Jos (09 55 N 08 54 E, 1217 m): **ZMA**: MAM.18369 - Pandam Wildlife Park (08 44 N 08 59 E): **ZMA**: MAM.18370 - Panyam [Fish Farm] (0925N 0913E): **USNM**: 402806, 402807.

Rwanda:

Astrida (023550S 294420E, 1733 m): **MHNG**: 1873.090, 1873.091, 1873.092, 1873.093, 1873.094 - Butare (023550S 294420E, 1733 m): **RMCA**: 82.006-M-0915, 85.006-M-0097, 85.006-M-0098, 85.006-M-0099, 85.006-M-0100, 85.006-M-0101, 85.006-M-0102, 85.006-M-0103, 85.006-M-0104, 85.006-M-0105, 85.006-M-0106, 85.006-M-0107, 85.006-M-0108, 85.006-M-0109, 85.006-M-0110, 85.006-M-0111, 85.006-M-0112, 85.006-M-0113, 85.006-M-0114, 85.006-M-0115, 85.006-M-0116, 85.006-M-0117, 85.006-M-0118, 85.006-M-0119 - Cyili Ntyano (020300S 294600E): **RMCA**: 87.047-M-0131 - Gabiro (01 31 00 S 30 28 00 E, 1400 m): **RMCA**: 13281 - Kigali (015713S 300338E, 1567 m): **RMCA**: 87.046-M-0246 - Ruboma Ruhashya (020300S 294400E): **RMCA**: 87.047-M-0130 - Rukira (021300S 303500E, 1709 m): **RMCA**: 82.006-M-0916, 82.006-M-0917 - Rwankwi (013200S 293200E): **RMCA**: 19068.

Senegal:

Unknown locality: **ZMB**: 54333, 54334, 54335, 54514, 54564, 54565, 54566, 54567, 54866, 54902, 54942, 54943 - Diabane (1233N 1605W): **FMNH**: 128232 - Mbout [=Mbeute] (1447N 1710W): **ZMB**: 41348, 41349, 41350, 41351, 41352, 41356, 41357, 41361, 41362, 54444, 54445, 54446.

Sierra Leone:

Unknown locality: **BMNH**: 1939.486, 1972.4238 - Bonthe (0732N 1230W): **BMNH**: 1950.1907; **ROM**: 50.1907 - Kent (080957N 131000W): **ROM**: 62749 - Njala Taja River (08 06 00 N 12 04 00 W): **RMCA**: 35641, 35685 - Sierra Leone: **ZFMK**: 1979.0625.

Somalia:

Unknown locality: **BMNH**: 1987.87 - Burao (0931N 4533E): **BMNH**: 1934.9.14.4 - Jamaame, 4 km S, 4 km W (ca. 00 02 N 42 43 E): **BRTC**: 41942 - Mogadischu [=Mogadishiu =Moqdisho] (0204N 4522E): **ZMB**: T10216, T10217 - Mogadiscio (0202N 4521E): **ROM**: 36383.

South Africa:

Unknown locality: **AMNH**: 169170; **BMNH**: 1975.517; **SAMC**: 34214; **TM**: 47504 - Albany District (33.32S 26.39E): **KM**: 2406 - Albert Falls Nature Reserve (29 26 45 S 30 25 43 E, 673 m): **DNSM**: 5909 - Alverstone Lot 514 (29 45 36 S 30 43 16 E): **DNSM**: 13112 - Amanzimtoti (30 03 00 S 30 52 48 E, 16 m): **DNSM**: 6366 - Amanzimtoti (30 03 00 S 30 52 48 E, 50 m): **DNSM**: 13326 - Anthrax camp (22 25 30 S 31 12 30 E): **KNP**: 138 - Anthrax camp (222530S 311230E): **TM**: 36811, 36833, 36834, 36837, 36904, 36905, 36906, 36914, 37267, 38289 - Athlone Park (30 00 54 S 30 55 24 E, 78 - 104 m): **DNSM**: 7024 - Baviaanspoort Sewage Works (254125S 282147E): **TM**: 43645, 43646 - Bedford, SE (32.88S 26.24E): **KM**: 2403 - Bisley (29 42 S 30 19 E, 695 m): **DNSM**: 4454, 4455 - Bluff (29 55 54 S 31 00 48 E, 81 m): **DNSM**: 4957 - Branfort (28 41 39 S 26 27 27 E, 1388 m): **ZMA**: MAM.08725 - Brooklyn (2543S 2811E): **TM**: 2952 - Brooklyn (2545S 2814E): **TM**: 15180, 16405, 2886 - Bube pan (27 47 S 32 12 E): **TM**: 35315, 35316, 35317 - Buffelsdraai (2507S 2740E): **TM**: 1929 - Buffelshoek Farm 446 KQ (244018S 272138E): **USNM**: 468415, 575300, 575301, 575302, 575303 - Buffelshoek, 22 km SE (24.67S 27.37E): **USNM**: 468414 - Burgers Park (2543S 2811E): **TM**: 13305 - Caffer: **NRM**: 1065 - Cape Vidal (28 04 S 32 32 E): **DNSM**: 1062 - Cavendish (29 53 49 S 30 54 48 E): **DNSM**: 4771 - Charter's Creek (28 12 00 S 32 24 50 E, 20 m): **TM**: 40434 - Chase Valley (29 34 S 30 22 E, 798 m): **TM**: 25461 - Cullinan (2540S 2831E): **TM**: 25410 - Culling camp (22 25 40 S 31 15 15 E): **TM**: 36704 - Dankbaar Windmill (25 03 S 20 08 E): **MMK**: MAM/HW-137 - Daspoort (2543S 2810E): **TM**: 8724 - Dlinza Forest (28 53 59 S 31 27 00E, 515 m): **DNSM**: 5338 - Doon Heights (30 04 S 30 52 E, 56 m): **DNSM**: 7431 - Doorndraai Dam Nature Reserve (2416S 2843E): **TM**: 44064 - Doornkraal Camp Site (27 30 27 S 31 12 25 E): **DNSM**: 6001 - Doornkraal Camp Site (27 30 44 S 31 12 41 E): **DNSM**: 6000 - Dumisa Gold Mine (30 16 05 S 30 26 29 E, 685 m): **KM**: 23779 - Durban (29 51 00 S 31 01 00 E, 27 m): **DNSM**: 7058 - Durban (29 51 S 31 01 E): **DNSM**: 108, 39, 596, 81, 82, 83 - Durban North (29 48 00 S 31 02 00 E, 20 - 138 m): **DNSM**: 6250 - Durban North (29 48 00 S 31 02 00 E, 88 m): **DNSM**: 3970, 3972 - Durban North (29 48 00 S 31 02 00 E, 95m): **DNSM**: 3971 - Durban, probably (29 50 S 31 00 E): **DNSM**: 4287, 7057 - eGodeni (28 05 00 S 32 02 01 E): **TM**: 40340 - Empisini Nature Reserve (30 12 S 30 48 E, 19 m): **DNSM**: 5081, 5082 - Entabeni State Forest (2300S 3016E): **TM**: 41665 - Erfplaas windmill (2352S 3107E): **TM**: 36562, 36564, 36570, 36571 - Escombe (29 52 S 30 54 E, 71 m): **DNSM**: 3675, 3676 - Eshowe (28 53 S 31 28 E, 509 m): **DNSM**: 7079 - Eshowe (28 53 S 31 28 E, 526 m): **DNSM**: 5075 - Eshowe (28 53 S 31 28 E, 527 m): **DNSM**: 4273 - Eshowe (28 53 S 31 28 E, 540 m): **TM**: 7379 - Estuary Forest Reserve: **KU**: 135869 - Farm Ferndale (2538S 2624E): **TM**: 23283, 23286, 23413, 23414, 23415 - Farm Hartebeesthoek (24 47 S 27 45 E): **TM**: 39433 - Farm Mokeetsi 376 (23 42 S 30 08 E): **TM**: 2870, 2873, 2929, 3034 - Farm Mooigenoeg 83 (2442S 2620E): **TM**: 23546, 23547 - Farm Mooiplaas 94 (24 45 S 26 24 E): **TM**: 20467 - Farm Nicorel 343 (2316S 2837E): **TM**: 23339 - Farm Rietfontein, pt 16 (25 48 S 28 44 E): **TM**: 45117 - Farm Rietgat, plot 102 (2543S 2811E): **TM**: 25408 - Farm Welgevonden 449 (23 32 S 28 26 E, 860 - 1277 m): **TM**: 23326 - Fig Tree Camp (22 26 00 S 31 11 00 E): **TM**: 36549, 36550, 36551, 36602, 36603, 36604, 36605, 36616, 36716, 36719, 36721, 36723, 36724, 36870, 36871, 36927, 36928, 36943, 36944, 36999, 37013, 37272, 37273, 37274, 37275, 37276, 37655, 37656, 37747, 37748, 37750 - Fig Tree camp (2226S 3111E): **TM**: 36107 - Figtree Forest (2225S 3112E): **TM**: 37668, 37669, 37691, 37855 - Figtree Forest, downstream (2225S 3115E): **TM**: 37440, 37441, 37442, 37443, 37444, 37445, 37446, 37447, 37448, 37449 - Forest Hills (29 45 S 30 49 E, 458 m): **DNSM**: 8827 - Gazankulu, Manyeleti Game Reserve, Main Camp (2438S 3128E): **TM**: 40284 - Gezantombi waterhole (2520S 3152E): **TM**: 34540, 34541, 34542, 34543, 34544 - Gillets (29 46 41 S 30 47 49 E, 607 m): **DNSM**: 6854 - Glen Anil (29 45 07 S 31 02 13 E, 105 m): **DNSM**: 11216 - Glenwood (29 50 S 31 00 E, 147 m): **DNSM**: 6811 - Glenwood (29 50 S 31 00 E, 65 m): **DNSM**: 2464 - Griffin mine (2359S 3031E): **TM**: 1485 - Groenkloof (25 48 S 28 12 E): **USNM**: 575297 - Gwalali Army Camp (2225S 3117E): **TM**: 36977 - Hans Merensky Nature Reserve (2340S 3041E): **TM**: 24554 - Hartebeestpoort Dam (25.75S 27.85E): **TM**: 19662 - Hatfield (2545S 2815E): **TM**: 13118, 13120, 13121 - Hennops River (25 49 34 S 27 59 05 E): **DNSM**: 6240 - Hillcrest (29 46 00 S 30 46 00 E, 500 - 724 m): **DNSM**: 6152 - Hillcrest (29 46 00 S 30 46 00 E, 674 m): **DNSM**: 5629 - Hillcrest (29 46 00 S 30 46 00 E, 716 m): **DNSM**: 3349 - Hilton (29 31 S 30 18 E, 1106 m): **DNSM**: 12760 - Hilton (29 31 S 30 18 E, 1140 m): **DNSM**: 5088 - Howick (29 28 S 30 14 E, 1044 m): **DNSM**: 1974 - Inanda Dam (29 42 01 S 30 52 01 E): **DNSM**: 5776, 5777, 5778 - Ingwenya Farm (409 SU) (2720S 3158E, 185 m): **FMNH**: 195618, 195619 - Irene (2552S 2814E): **TM**: 12799 - Itala Nature Reserve (27 33 36 S 31 12 36 E): **TM**: 6000 - Jan Smit Steel Works, near: **NMB**: 5244 - Kenneth Stainbank Nature Reserve (29 55 S 30 56 E, 133 m): **DNSM**: 3680, 3681, 3682 - Kgaswana Nature Reserve (25 43 13 S 27 11 07 E): **TM**: 48652 - King William's Town (32 53 00 S 27 24 00 E, 363 m): **AMNH**: 146788; **KM**: 2410; **MCZ**: 37041, 37042; **SAMC**: 19147 - King Williamstown (32 53 00 S 27 24 00 E, 363 m): **BMNH**: 1925.7.9.1 - Kingsburgh (30 05 00 S 30 52 00 E, 0 - 51 m): **DNSM**: 13328 - Klein Letaba (river) (23 38 53 S 31 08 42 E): **BMNH**: 1905.12.9.5, 1905.12.9.6, 1905.12.9.7, 1905.12.9.8 - Kloof (29 47 S 30 50 E, 497 m): **DNSM**: 5737, 5910, 6877, 7049 - Kloof (29 47 S 30 50 E, 525 m): **DNSM**: 6359 - Kloof (29 47 S 30 50 E, 552 m): **DNSM**: 7053 - Kloof area (ca. 29 47 S 30 50 E): **DNSM**: 7415 - Kranskloof Nature Reserve (29 46 S 30 50 E, 434 m): **TM**: 40018 - Krantzkloof Nature Reserve (29 46 S 30 50 E, 434 m): **DNSM**: 5874, 5875 - Krokodil river (2430S 2715E): **RMNH**: MAM.27434 - KwaZulu-Natal province: **CM**: 41069, 41071, 41072 - La Montagne, 280 Rotsvygie Street (254455S 281923E): **TM**: 45121 - Ladyselborne (2542S 2808E): **TM**: 4767 - Letaba Camp (23 51 16 S 31 34 17 E): **KU**: 163986, 163987, 163988, 163989, 163990, 163991 - Letaba Camp, 1 km SE (23 51 43 S 31 34 47 E): **TM**: 39581 - Letaba Rest Camp, 8 km SE (23 54 34 S 31 37 37 E): **TM**: 39613 - Letaba, 5 km E (23 51 13 S 31 38 04 E): **AMNH**: 257428 - Levuvhu bridge (2225S 3111E): **TM**: 37027, 37028, 37029, 37031 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 30448, 30487, 30507, 30508, 30509, 30547, 30548, 30549, 30550, 34232, 34233, 34244, 34245, 34246, 34247, 34248, 34249, 34250 - Levuvhu River (2226S 3111E): **TM**: 36433, 36434, 36435, 36462, 36463, 36465, 36466, 36469, 36470, 36471 - Limpopo province: **TM**: 48099 - Lister Point Camp (27 58 S 32 22 E, 54 m): **DNSM**: 2266 - Longstead Farm (29 30 47 S 30 22 17 E): **DNSM**: 6017 - Loskop Dam Nature Reserve (2525S 2920E): **TM**: 40926 - Loskop Windmill, 17 km N (2458S 3155E): **TM**: 39704, 39705 - Louis Trichardt (23 02 38 S 29 54 12 E, 999 m): **DNSM**: 13616 - Louw's Creek (2539S 3118E): **TM**: 2477, 2478 - Lusikisiki (31 21 43 S 29 34 24 E, 508 m): **KM**: 31242 - Lynnwood Glen, Delaware Street (2544S 2811E): **TM**: 45124 - Mahembane (22 39 S 31 02 E): **TM**: 30572, 30573 - Malelane (2527S 3130E): **TM**: 30017 - Malitube Dam (22 40 39 S 31 02 12 E): **KNP**: 181, 182 - Malvern (29 53 S 30 55 E, 179 m): **TM**: 1094 - Manditobe Dam (22 41 S 31 02 E): **TM**: 37285, 37286, 37287, 37288, 37289, 37290 - Manor Gardens (29 51 53 S 30 58 32 E, 65 m): **DNSM**: 7419 - Mantuma Camp (27 35 46 S 32 13 03 E, 103 m): **DNSM**: 10679 - Manxeba windmill (22 24 S 31 14 E): **TM**: 37133, 37134, 37147, 37212, 37233, 37704, 37740, 37741, 37742, 37743 - Marloth Park (25 22 S 31 47 E, 210 m): **FMNH**: 195616, 195617 - Mashikiri windmill (2235S 3111E): **TM**: 36797, 36798, 36799, 36800, 36889, 36890, 36891, 36892, 36984, 36985 - Messina Nature

Reserve, banks of the Sand River (222512S 300448E): **TM**: 44205 - Midmar Training Centre (29 31 45 S 30 12 30 E): **DNSM**: 5947 - Mission Rocks Outpost (28 16 02 S 32 29 30 E): **TM**: 41049 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **ROM**: 41712; **TM**: 35327; **USNM**: 351382 - Mkuzi River (27 52 00 S 32 29 00 E): **TM**: 35352 - Mkuzi River (2737S 3207E): **TM**: 5567, 5568, 5569, 5570 - Mmabolela Estates (2241S 2815E): **TM**: 19720 - Mooivlei (2349S 2658E): **TM**: 2055, 2056 - Mopani (22 36 S 29 51 E, 721 m): **MNHN**: ZM-2012-15 - Mosdene Nature Reserve (2436S 2846E): **TM**: 19906 - Mosely (29 51 35 S 30 52 51 E): **DNSM**: 38 - Mount Moreland (29 38 33 S 31 05 37 E, 34 m): **DNSM**: 1637, 7267, 7492 - Mountain View (2542S 2809E): **TM**: 45133 - Msinga pan (27 47 S 32 12 E): **TM**: 35328 - Msinsi Nature Reserve (29 52 03 S 30 58 34 E): **DNSM**: 7848 - Navors Suburb, Residence (2544S 2816E): **TM**: 19583 - Ndumo Game Reserve (26 52 00 S 32 15 00 E): **ROM**: 41710, 41711, 41713, 41732, 41733 - New Figtree Forest (22 25 S 31 18 E): **TM**: 37854, 37898, 37901, 37902 - New Germany (29 46 57 S 30 52 20 E, 697 m): **DNSM**: 5475 - New Muckleneuk (2543S 2811E): **TM**: 25691, 38988 - Newington (2449S 3117E, 487 m): **ROM**: 41734 - Newington, 7 mi N (2445S 3125E): **TM**: 17294 - Newlands West (29 47 16 S 30 57 29 E): **DNSM**: 7063, 7064 - Ngoye hills (2849S 3139E): **BMNH**: 1905.3.7.3 - Ngqeleni (31.83S 29.3E): **KM**: 26150 - Nhlonhela pan (27 46 48 S 32 12 00 E): **TM**: 35275 - Northdene (29 52 00 S 30 53 00 E, 253 m): **DNSM**: 5741 - Nsemani Windmill (24 23 36 S 31 42 54 E): **KNP**: 51 - Nwanedzi Camp, dam 1 km NWN (2427S 3158E): **TM**: 39640, 39641, 39669 - Nwanedzi River, old bridge over (24 24 S 31 50 E): **AMNH**: 257441, 257442, 257443, 257444; **TM**: 39624, 39625, 39626, 39627 - Nylstroom (244200S 282400E): **USNM**: 376763, 376764 - Nylsvlei Provincal Nature Reserve (2429S 2842E): **TM**: 41424 - Old Culling camp (2225S 3115E): **TM**: 37204, 37651, 37713 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36487, 36488, 36537, 36625, 36626, 36627, 37069, 37082, 37148, 37813, 37814, 37815, 37914, 37916, 37917, 37918, 38150, 38151, 39503, 39504, 39505 - Olifants [see Olifants Ruskamp, see also: Olifants River Rest Camp, Olifants River Ruskamp, Olifantsrivierruskamp] (240100S 314500E): **AMNH**: 257429, 257430, 257431 - Olifants Camp, 7 km W (2401S 3139E): **TM**: 39598, 39599 - Oliphantspoort, Olifantspruit: **ROM**: 45989 - Onderstepoort (2537S 2812E): **TM**: 13726 - Oribi Gorge Nature Reserve (30 43 S 30 16 E): **TM**: 34345, 41050 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 37749, 37751, 37752, 37753, 37754, 37755, 37756, 37757, 37758, 37759, 37760, 37761, 37762, 37763, 37764, 37765, 37766, 38287, 38288, 46427, 46428, 46429, 46431, 46432, 48497, 48499, 48503, 48504, 48517, 48518, 48519, 48520, 48538, 48539, 48540, 48576, 48577, 48590, 48591, 48593, 48594 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **AMNH**: 257432, 257433, 257434, 257435, 257436, 257437, 257438; **TM**: 36557, 38280, 38281 - Palmiet Nature Reserve (29 50 S 30 56 E, 168 m): **DNSM**: 8004 - Park Rynie (30 19 00 S 30 44 00 E): **DNSM**: 2001 - Percy Fyfe Nature Reserve (2402S 2909E): **TM**: 44211 - Phoenix (29 42 14 S 31 00 13 E): **DNSM**: 5576 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **KM**: 23778; **KU**: 135866, 135867; **SMF**: 55036; **TM**: 40111, 42505 - Pietermaritzburg (29 37 00 S 30 23 00 E, 760 m): **DNSM**: 1105, 4422, 5658, 7485 - Pietersburg (2354S 2928E): **TM**: 2871, 2872 - Pinetown (29 49 S 30 52 E, 359 m): **DNSM**: 5750, 6919 - Point Caravan Park (31 04 S 30 10 E, 5 m): **DNSM**: 1163 - Port Durnford (28 54 00 S 31 49 00 E, 41 m): **KU**: 135868 - Port Edward (31 03 03 S 30 13 41 E, 5 m): **DNSM**: 1161, 1162 - Port Natal (29 51 00 S 31 01 00 E): **NRM**: 1064 - Port St. Johns (31.63S 29.55E): **SAMC**: 6853 - Port St. Johns (3138S 2933E): **SAMC**: 6858 - Pretoria (25 42 25 S 28 13 46 E, 1271 m): **TM**: 1494, 1520, 6256, 6835, 6875, 7380, 7784 - Pretoria hospital (2544S 2811E): **TM**: 3949 - Pretoria North (25 39 44 SS 28 09 55 E, 1222 m): **TM**: 2885 - Pretoria Zoo (2544S 2811E): **TM**: 1096, 25411 - Pretoriuskop Rest Camp (25 10 13 S 31 16 03 E, 613 m): **KNP**: 56, 71 - Punda Maria Camp, 2 km N (22 41 S 31 02 E): **AMNH**: 257439, 257440 - Punda Maria Shop (22 44 15 S 31 00 32 E): **KNP**: 107 - Punda Milia Camp (22 41 51 S 31 01 12 E, 580 m): **TM**: 30588, 30589, 30590, 30591, 30592, 30593, 30594, 30595, 30596, 30597, 30633, 30634, 30635, 30644, 30645, 30646, 30647, 30657, 30658, 30659, 30660, 30661, 30662, 30663 - Queen Elizabeth Park (29 33 S 30 19 E, 1140 m): **DNSM**: 5335 - Queen Elizabeth Park (29 33 S 30 19 E, 820 - 1140 m): **TM**: 40276 - Queen Elizabeth Park (29 33 S 30 19 E, 880 m): **DNSM**: 1840 - Queen Elizabeth Park (29 33 S 30 19 E, 936 m): **DNSM**: 2449 - Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ (25 49 48 S 27 40 12 E): **TM**: 46908 - Renosterkoppies, 15 km S (2508S 3137E): **TM**: 39720, 39721, 39722, 39723 - Republic of South Africa: **BMNH**: 1849.8.16.26 - Rietfontein Farm 536 KQ (24 54 30 S 27 44 36 E, 1119 m): **DNSM**: 14201 - Rissik Private Nature Reserve (2453S 2827E): **TM**: 20690 - Rocktail Bay (27 13 17 S 32 47 36 E): **TM**: 48614, 48615, 48616, 48617, 48618, 48629, 48631, 48632, 48633, 48638, 48639, 48640 - Roodevaal Private Camp, 2 km SE (2408S 3136E): **TM**: 39675, 39676 - Rustenberg, 3 km E (25.82S 31.27E): **USNM**: 342639 - Sabi & White Sands rivers confluence (25 01 26 S 31 10 01 E): **DNSM**: 5528 - Sabie River, north bank (24 59 07 S 31 37 18 E): **TM**: 39698, 39699, 39738, 39739, 39740 - Sanbonani (25 01 54 S 31 09 31 E): **DNSM**: 5336 - Satara Rest Camp (24 23 52 S 31 46 42 E): **KNP**: 49A, 50; **TM**: 39631, 39632 - Scottburgh (30 17 S 30 45 E, 10 - 59 m): **DNSM**: 109, 110, 111 - Shashanga windmill (22 39 S 30 59 E): **TM**: 30668, 30669, 30671 - Shashanga windmill (2240S 3059E): **TM**: 30670 - Shepstone Nature Reserve (29 51 S 31 00 E): **DNSM**: 1626, 1627 - Shingomeni Out Post (22 53 45 S 31 24 19 E): **KNP**: 113 - Sibengu Lodge (27 57 S 32 26 E, 41 m): **DNSM**: 10151 - Sinoville (2543S 2811E): **TM**: 41431 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **KNP**: 184; **TM**: 30069 - Skukuza, 1.5 km NW (24 59 50 S 31 36 21 E): **TM**: 39758, 39759 - Sobhengu Lodge (27 57 S 32 26 E, 41 m): **DNSM**: 6889 - Soutpansberg (22 58 48 S 30 15 00 E): **TM**: 2928 - Stangene Dam (2248S 3117E): **TM**: 30562 - Sunnyside (2544S 2811E): **TM**: 12800, 15510 - Sunnyside, 34 Palmcourt South (2544S 2811E): **TM**: 45120 - Sunnyside, DeKock Street (2544S 2811E): **TM**: 45122 - Tembe Elephant Park, east of HQ, pan (2703.699S 3227.102E, 65 m): **DNSM**: 8501 - Tembe National Park (270236S 322523E, 84 m): **MNHN**: ZM-MO-1996-557, ZM-MO-1996-558, ZM-MO-1996-559 - Ten Bosch Estates (2520S 3150E): **TM**: 24872 - Tshalungwa Fountain (22 33 S 31 04 E): **TM**: 36766, 36767, 36768, 36769, 36770, 36771 - Tswaing Crater (252449.21S 280441.628E): **TM**: 46905, 46906 - Tzaneen (23 50 S 30 10 E, 742 m): **TM**: 7086, 7087 - Umdoni Park (30 24 S 30 41 E, 50 m): **KU**: 135015 - Umhlanga Rocks (29 43 S 31 05 E, 11 m): **DNSM**: 445, 4451, 4452, 4453 - Umhlatusi River (2951S 3100E): **TM**: 7783 - Umkomaas (30 12 S 30 48 E, 36 m): **DNSM**: 13107, 13324, 13325, 2448 - Umzumbi Mission (30 34 00 S 30 26 00 E): **AMNH**: 81885, 81886 - Uvongo (3050S 3025E): **FMNH**: 152822, 152823, 152824 - Valhalla (2549S 2809E): **TM**: 19166 - Vernon Crookes Nature Reserve (3016S 3036E): **TM**: 34150 - Verwoerburg (2537S 2807E): **TM**: 34162 - Village Kosmos (2544S 2751E): **TM**: 19682 - Warmbad (245300S 281700E): **ROM**: 45987, 45988, 45990, 78820 - Warmbad, 2 mi E (2453S 2818E): **ROM**: 45698, 45699, 45700, 45701, 45702, 78821, 78822 - Warmer Beach (30 05 06 S 30 51 59 E): **DNSM**: 13144 - Waterberg Game Farm (240659.472S 282317.88E): **TM**: 47096, 47097 - Waterberg, Farm Klipfontein 54JS (2408S 2808E): **TM**: 39417, 39418, 39419, 39420, 39522, 41377, 41378, 44197 - Waterfall (29 45 S 30 50 E, 484 - 590 m): **DNSM**: 8824 - Waterfall (29 45 S 30 50 E, 581 m): **DNSM**: 4271 - Waterfall (29 45 S 30 50 E, 590 m): **DNSM**: 8826 - Waterkloof (25 46 41 S 28 14 09 E): **TM**: 28445 - Waterpoort (22 54 S 29 37 E): **DNSM**: 611 - Westridge (29 51 25 S 30 58 44 E, 113 m): **DNSM**: 5641 - Westville (29 50 S 30 56 E, 280 m): **DNSM**: 13138 - Westville (29 50 S 30 56 E, 286 m): **DNSM**: 1853, 5036 - Windermere (29 49 50 S 31 01 09 E): **DNSM**: 7238 - Witsand Dam (22 41 S 31 02 E): **TM**: 38087, 38088, 38089, 38119, 38120, 38121, 38122 - Witsand Dam (2241S 3102E): **TM**: 38090 - Xanadu Farm (ca. 29 45 42 S 30 41 37 E): **DNSM**: 6891 - Xinkelengane Stream (24 14 46 S 31 55 46 E): **KNP**: 94.

South Sudan:

Yambio (0434N 2821E): **ROM**: 72094.

Sudan:

Unknown locality: **BMNH**: 1923.1.1.20 - Jebel Marra, S foothills (1254N 2421E): **BMNH**: 1923.1.1.19 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **ZMA**: MAM.22181, MAM.22183, MAM.22184.

Swaziland:

Allen's Farm (2633S 3116E): **TM**: 45706 - Maguga (26 04 56 S 31 15 07 E): **NMB**: 11554, 11555, 11556, 11559 - Malkerns (26 34 12 S 31 09 00 E): **DNSM**: 7186 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **DNSM**: 7900, 8033; **TM**: 47709, 47710 - Mlawula Nature Reserve, site 1 (26 10 49 S 32 02 57E): **TM**: 47743 - Ngonini estates (25 48 00 S 31 24 32 E, 421 m): **DNSM**: 13466.

Tanzania:

Unknown locality: **BMNH**: 1964.1764, 1964.1765, 1964.1766, 1964.1767, 1964.1768; **MCZ**: 1044; **RMNH**: MAM.15801, MAM.16499, MAM.16650, MAM.16823, MAM.8851 - Ambangulu Estate (05 05 S 38 26 E, 1300 m): **FMNH**: 147235, 150087, 150088, 150421, 150422, 151453 - Arusha (03 22 00 S 36 41 00 E, 1254 m): **ROM**: 69197, 69202 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **RMNH**: MAM.15932 - Bulwa Tea Estate (050000S 383800E, 1000 m): **FMNH**: 150086 - Dali (0700S 3625E): **ZFMK**: 1959.0169, 1959.0170 - Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **ZMB**: 54552 - Kilimanjaro, Mount (030400S 372200E, 4600 ft): **AMNH**: 219758, 219759, 219760, 219761, 219762, 219763, 219764, 219765, 219766, 219767 - Kondoa (0454S 3547E): **ZMB**: 49709 - Mbeya region: **SMF**: 70458 - Minaki, St. Andrews College (06 54 01 S 39 05 32 E): **KU**: 134602, 89939 - Mpapua [=Mpwapwa] (0622S 3630E, 1100 m): **ROM**: 62170, 62171 - no specific locality: **ZMB**: 54296 - Pwani region: **SMF**: 79551, 81205 - Ruangwa (10 04 00 S 38 56 00 E, 363 m): **RMCA**: 96.037-M-7170 - Rukwa region: **SMF**: 82516 - Ruvuma region: **SMF**: 82121 - Sengerema (02 40 00 S 32 39 00 E, 1276 m): **ZMA**: MAM.22393, MAM.22394 - Tabora (05 01 00 S 32 48 00 E, 1212 m): **ZMB**: T09842 - Tanga (05 04 00 S 39 06 00 E, 0 m): **FMNH**: 152814, 152815; **ROM**: 38279, 68464, 68465, 68466, 78811, 78812, 78813, 78814, 78815, 78816, 78817, 78818, 78819; **USNM**: 351195, 351196, 351197, 351198 - Tanga region: **SMF**: 79552 - Tarangire National Park (0348S 3604E, 1091 m): **FMNH**: 187150 - Tarangire National Park (0348S 3604E, 1128 m): **FMNH**: 158012.

The Gambia:

Unknown locality: **BMNH**: 1931.12.1.10, 1949.482.

Togo:

Atakpamé (07 32 00 N 01 08 00 E, 376 m): **RMCA**: 73.009-M-0016, 73.009-M-0017, 73.009-M-0018, 73.009-M-0019, 73.009-M-0020, 73.009-M-0021, 73.009-M-0022 - Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0080 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **USNM**: 437776 - no specific locality: **ZMB**: 55560.

Uganda:

Unknown locality: **BMNH**: 1960.1083, 1964.157, 1964.158, 1966.3610, 1966.3611 - Amudat (0158N 3457E): **USNM**: 436797 - Budongo (013839N 313554E): **AMS**: M.30127 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 152816, 152817, 152818, 152819, 152820, 152821 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 46458, 46459 - Bunyoro (0145N 3135E, 1372 m): **ROM**: 46465, 46466, 46468, 46469, 46477, 46478, 46516, 46517, 46565 - Gulu (0245N 3218E): **ROM**: 59148, 59150 - Kampala (00 18 56 N 32 33 56 E, 1202 m): **ROM**: 45912 - Kawanda, Agriculture Research Station (002229N 323211E, 1193 m): **CAS**: 24593, 24594, 24595, 24596, 24597, 24598, 24599, 24600 - Moyo, 10 mi [=16 km] E (03 39 N 31 43 E, 750 -1067 m): **ROM**: 59149, 59267 - Soroti (0140N 3330E): **ROM**: 38355, 38356, 38357, 38358, 38359, 38360, 38361 - Tororo (004105N 341052E, 1185 m): **CAS**: 24584, 24585, 24586, 24587, 24588, 24589, 24590, 24591, 24592 - Waisoke river (0146N 3133E, 1372 m): **ROM**: 46571.

Zambia:

Unknown locality: **BMNH**: 1955.1128, 1968.1401, 1968.141; **SMF**: 89639; **TM**: 47507, 47508 - Abercorn (08 50 S 31 23 E, 1656 m): **RBINS**: 14455 - Chadiza (14.15S 32.75E): **KM**: 9659 - Choma (16 49 S 26 59 E, 1320 m): **MSB**: 34600; **ROM**: 73962 - Copperbelt province: **SMF**: 92719 - Fort Jameson (133800S 323900E): **NMZL**: 2976, 2977 - Fort Jameson (133800S 323900E, 1212 m): **AMNH**: 218970, 218971 - Fort Jameson [= Chipata] (13.62S 32.65E): **KM**: 2390; **NHMZ**: 64167 - Fort Roseberry - Lubumbashi, between (11 11 00 S 28 53 00 E): **RMCA**: 35302 - Hillwood Farm (11.23S 24.3E): **NHMZ**: 29805, 33886 - Kalene Mission (11.17S 24.18E): **NHMZ**: 29838 - Livingstone (17 51 00 S 25 52 00 E, 3030 ft): **NMZL**: 2444, 2445, 2447, 2449, 2452, 2454, 2934, 2978 - Lochinvar (15 55 S 27 15 E): **NMZL**: 2933 - Lochinvar Ranch (15.87S 27.12E): **UZMZ**: 21 - Luangwa Valley, Petauke (14.05S 31.08E): **KM**: 9658 - Lufupa camp [site3] (14 36 48 S 26 11 17 E): **NMZL**: ECJS-32/2008 - Mazabuka (1552S 2745E): **BMNH**: 1968.140 - Mazabuka Boma (1552S 2746E, 1101 m): **BMNH**: 1955.1126, 1955.1127 - Mufulira (123300S 281400E, 1277 m): **AMNH**: 168165 - Munali (15.38S 28.35E): **ROM**: 73963 - Munali (152300S 282100E): **NMZL**: 2735 - Mushishima Farm (12.62S 27.87E): **NHMZ**: 30018 - Nampongwe (1527Cc): **UZMZ**: 021 - Ndanda School (14.75S 23.75E): **NHMZ**: 33301 - Ngoma (15.88S 25.88E): **NMZL**: 2979 - Ngoma (county) (ca. 1554S 2557E): **AMNH**: 218900, 218901 - Samfya (11 21 S 29 33 E, 1154 m): **UZMZ**: 452 - Senenga, 50 km NE (15.62S 23.37E): **NHMZ**: 33300.

Zimbabwe:

Unknown locality: **ROM**: 64476 - Banket (17.25S 30.25E): **NHMZ**: 59108 - Benzie's Bridge, Shangani R (18.81S 27.9E): **NHMZ**: 33637 - Bopoma River Camp (16.5S 32.25E): **NHMZ**: 84332 - Borrowdale (17.83S 31.07E): **NHMZ**: 58965 - Bubye R (22.35S 31.1E): **NHMZ**: 84208 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 56311 - Carrick Creagh Farm (17.72S 31.17E): **NHMZ**: 59009 - Chete, Chifumbi Spring (17.37S 27.62E): **NHMZ**: 57430 - Chibero (18.0S 30.5E): **NHMZ**: 59164 - Chikupo cave (1723S 3117E): **TM**: 34840 - Chikwarakwara (22.35S 31.1E): **NHMZ**: 59090 - Chiredzi Research Station (21.02S 31.57E): **NHMZ**: 60515 - Chirinda forest (2024S 3242E): **TM**: 34635, 34636 - Chishakwe Camp, 2 km E (20.0S 32.0E): **NHMZ**: 32921 - Chori Dam (16.75S 32.5E): **NHMZ**: 84320 - Christon Bank (17.83S 31.07E): **NHMZ**: 32706 - Cleveland Dam (17.75S 31.0E): **NHMZ**: 31693 - Collins Farm (ca. 1753S 3047E): **USNM**: 543073 - Concession (17.25S 30.75E): **NHMZ**: 33598 - Cotter Marondera (18.1S 31.57E): **NHMZ**: 59105 - Darwendale (17.75S 30.0E): **NHMZ**: 58963 - Deka-Zambezi R Confluence (18.0S 26.5E): **NHMZ**: 32902 - Dett (1837S 2652E, 914 m): **FMNH**: 152825, 152826, 152827, 152828, 152829, 152830 - Doddieburn Ranch (21.4S 29.35E): **NHMZ**: 79470 - Douglasdale (20.0S 28.5E): **NHMZ**: 32857 - Dwala Ranch (21.12S 29.62E): **NHMZ**: 30591 - Eirene farm (18 23 S 31 37 E): **NHMZ**: 63258 - Essexvale Ranch (20.3S 28.93E): **NHMZ**: 59118 - Eyerston Farm (175624S 300352E, 1450 m): **AMNH**: 213050 - Fairbridge Park (18 5 22 S 32 38 39 E): **NHMZ**: 58969 - Fairfield park (1923S 3032E): **USNM**: 368611 - Falcon College (20.22S 28.92E): **NHMZ**: 56353 - Gonarezhou NP, Chipinda Pools (21.27S 31.9E): **NHMZ**: 59074 - Gonarezhou NP, Mabalauta (21.93S 31.47E): **NHMZ**: 55663 - GreatZimbabwe (20.28S 30.93E): **NHMZ**: 59014, 59038 - Greystone Park (17.83S 31.07E): **NHMZ**: 59029 - Gutu Mission (19.63S 31.17E): **NHMZ**: 30718 - Gwabalanda (20.0S 28.25E): **NHMZ**: 59191 - Harare (17.83S 31.07E): **NHMZ**: 58967 - Hatfield (1753S 3105E): **AMNH**: 213051 - High School

Marondera (18.0S 31.5E): **NHMZ**: 58966 - Hillside (20.13S 28.58E): **NHMZ**: 32131 - Hippo Valley, Kutanga Estates (21.12S 31.87E): **NHMZ**: 58976 - Homestead Mine (20.3S 28.93E): **NHMZ**: 63164 - Hunyani Dam (ca. 1753S 3046E): **AMNH**: 213052 - Hwange NP, Kapami (18.75S 26.5E): **NHMZ**: 59003 - Hwange NP, Main Camp (18.73S 26.95E): **NHMZ**: 59126 - Hwange NP, Makalowa Pan (19.0S 27.25E): **NHMZ**: 59004, 59081 - Hwange NP, Mandundumela Pan (19.0S 27.0E): **NHMZ**: 59083 - Hwange NP, Ngamo Pan (19.13S 27.47E): **NHMZ**: 59008 - Hwange NP, Ngweshla Pan (19.0S 27.0E): **NHMZ**: 59082 - Insuza Vlei, Gwaai Forest (19.25S 28.0E): **NHMZ**: 54140 - Jeff Estate (18 58 12 S 32 36 36 E): **NHMZ**: 58997 - Kabuba Camp, Manjolo (18.28S 28.08E): **NHMZ**: 33730 - Kanjedza River (16 52 30 S 28 37 30 E): **NHMZ**: 61975 - Karoi (16.82S 29.68E): **NHMZ**: 59107 - Katombora Rapids (17.88S 25.33E): **NHMZ**: 60686 - Lake Mcllwaine (17.9S 30.78E): **NHMZ**: 59163 - Lion and Cheetah Park (1723S 3117E): **TM**: 34841, 34842 - Majorca Ranch, Kwekwe (18.87S 29.62E): **NHMZ**: 29801 - Makonde Hill, Save Valley (20.0S 32.0E): **NHMZ**: 32967 - Mangwe,Vashu Farm (20.87S 28.12E): **NHMZ**: 59085 - Manyeringa Farm, Guruve (16.5S 30.5E): **NHMZ**: 57638 - Marivalle Ranch (18.75S 29.75E): **NHMZ**: 84484 - Matema Camp (20.0S 30.5E): **NHMZ**: 59000 - Matobo Hills, Lumane Valley (20.58S 28.83E): **NHMZ**: 30680 - Matobo NP (20.5S 28.25E): **NHMZ**: 59125 - Matobo NP, Maleme Dam (20.5S 28.5E): **NHMZ**: 59087 - Matobo NP, Whitewaters Dam (20.58S 28.47E): **NHMZ**: 59077 - Matobo Research Station (20.25S 28.75E): **NHMZ**: 68256 - Mushandike NP (20.13S 30.63E): **NHMZ**: 59174 - Mutare (18 58 29 S 32 39 20 E, 1094 m): **NHMZ**: 27481 - Mvuma (19.25S 30.5E): **NHMZ**: 82351 - Mzola Camp (18.62S 27.37E): **NHMZ**: 32644 - Ngamo Gwaai Reserve (19.0S 27.5E): **NHMZ**: 58978 - Nottingham Estates (22.12S 29.57E): **NHMZ**: 59517 - Nuanetsi Ranch Headquarters (213001S 304738E): **ROM**: 64887, 64897, 64898, 64907, 64908, 64909, 64917, 64918 - Nuanetsi Ranch Headquarters, 26 km W (ca. 2117S 3037E): **ROM**: 64943, 64944 - Nyadire River Camp (16.75S 32.25E): **NHMZ**: 84281 - Nyadiri R (17.12S 32.12E): **NHMZ**: 32424 - Nyagui R (17.37S 31.62E): **NHMZ**: 32418 - Nyajena (21.12S 31.62E): **NHMZ**: 59145 - Nyamunyeche, Mvurwi (16.77S 30.95E): **NHMZ**: 57755 - Nyandia Dam (17.0S 32.0E): **NHMZ**: 84261 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32419 - Pesu R Gorge (22.28S 31.2E): **NHMZ**: 84097 - Peterhouse School (18.18S 31.62E): **NHMZ**: 59045 - Plumtree School (20.25S 27.75E): **NHMZ**: 59215 - Rhodes Inyanga National Park (18 17 S 32 48 E): **TM**: 43839, 43840 - Rhodes Matopos -Nature Park [=Matobo National Park] (20 33 S 28 33 E): **TM**: 35010, 35011, 35012, 35013, 35014, 35033, 35034, 35035, 35036 - Rusito forest, Rustio River (ca. 195218S 330137E): **TM**: 34791 - Ruya R (16.5S 31.75E): **NHMZ**: 84345 - Salisburg (174904S 310241E, 1480 m): **AMNH**: 245166, 245167 - Salisbury (174904S 310241E, 1480 m): **USNM**: 368612 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 59285; **USNM**: 543074, 543075 - Sentinel Ranch (22 10 10 S 29 30 20 E): **DNSM**: 61; **NHMZ**: 30830, 9877 - Shangani R, Mzola Camp (18.62S 27.37E): **NHMZ**: 32651 - Torre, Marondera (18.25S 31.0E): **NHMZ**: 59047 - Triangle Game Park (21.0S 31.5E): **NHMZ**: 59148 - Triangle, near (21.0S 31.5E): **NHMZ**: 59143 - Tupton, Marondera (18.0S 31.5E): **NHMZ**: 59106 - Victoria Falls (17 55 00 S 25 51 00 E): **NHMZ**: 32697 - Victoria Falls, Lodge 18 (17.85S 25.5E): **NHMZ**: 60685 - Volunteer Farm, Main Dam (18.82S 27.63E): **NHMZ**: 32010 - Volunteer Farm, Zwikungwa (18.91S 27.7E): **NHMZ**: 33735 - Wankie-NP (1845S 2658E, 914 m): **FMNH**: 152831, 152832, 152833, 152834, 152835 - Waterfalls (175507S 310006E, 1402 m): **AMNH**: 213053 - Wessex Farm Ruwa: **AMNH**: 213054 - West Nicholson (2104S 2922E, 819 m): **ROM**: 64726 - Zimbabwe National Park (201800S 305700E): **AMNH**: 245168, 245169, 245170, 245171, 245172, 245173.

Scotophilus ejetai Brooks and Bickham, 2014

Ethiopia:

Bishan Waka Lake, E side shore (07 18 01 N 35 16 24 E, 1402 m): **BRTC**: 57927 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1390 m): **BRTC**: 57950 (Holotype *Scotophilus ejetai*), 57954 (Paratype *Scotophilus ejetai*).

Scotophilus leucogaster (Cretzschmar, 1826)

"Africa":

Dakoro, 10 km W: **MNHN**: ZM-MO-1985-510, ZM-MO-1985-511.

Angola:

Dundo (0724S 2047E, 726m): **FMNH**: 66524 - Silva Porto [= Kuito] (12.38S 16.88E): **CZL**: 3157011.

Benin:

Bimbereke (1014N 0240E, 449 m): **USNM**: 421417, 421418, 421419, 421420, 421421, 421422, 421423, 421424, 421425, 421426 - Bodjecali (11 48 34 N 03 22 59 E, 252 m): **ZMA**: MAM.22444, MAM.22445, MAM.22446 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 421427, 421428, 421429, 421430, 421431, 421432, 421433, 421434, 421435, 421436, 421437, 421438, 421439, 421440, 421441, 421442, 421443 - Nikki (0956N 0313E): **USNM**: 421457 - Parakou (09 21 N 02 37 E, 324 m): **USNM**: 421458, 421459, 421460 - Segbana (1056N 0342E): **USNM**: 421444, 421445, 421446, 421447, 421448, 421449, 421450, 421451, 421452, 421453, 421454, 421455, 421456, 575724.

Botswana:

Dautsa Flats (20.58S 22.53E): **USNM**: 382678 - First Pole Bridge (19.57S 22.88E): **NHMZ**: 59217 - Khwai Lodge, 12.9 km W (1907S 2335E, 1005 m): **ROM**: 62641, 62642 - Khwai Lodge, 8 km W (1907S 2335E): **ROM**: 62645, 62646, 62647 - Kwai Mababe Flats (1922S 2407E): **FMNH**: 38488 - Maun (19 59 S 23 25 E, 927 m): **AMNH**: 168239 - Moremi Game Reserve (19 22 04 S 23 03 26 E): **ZMA**: MAM.06810 - Moremi GR, Khwai R. (19.15S 23.75E): **NHMZ**: 63216 - Mumpswe Pan (20.2S 25.87E): **NHMZ**: 64173 - Pom Pom (19.5S 22.75E): **NHMZ**: 59218 - Sehitwa, 16 km SW (20.38S 22.63E): **USNM**: 367755 - Sehitwa,10 mi [=16 km] SW (20.38S 22.63E): **USNM**: 367756, 367757, 367758, 367759, 367760, 367762, 367763, 367764, 367765, 367766, 367767, 367768, 367769, 367770, 367771, 367772, 367773, 367774 - Seronga, 116.5 km ESE (ca. 1900S 2300E, 1005 m): **ROM**: 62640 - Seronga, 72 km ESE (190656S 214844E, 1000 m): **ROM**: 62644 - Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S (18 33 S 21 02 E): **USNM**: 425357, 425358, 425359, 425360, 425361, 425362, 425363, 425364, 425365, 425366 - Shakawe, 70 km SW (18 33 S 21 01 E): **NHMZ**: 63263; **USNM**: 425356 - Tsum Tsum (19.0S 23E): **NHMZ**: 63214 - Xugana (1905S 2306E, 975 m): **USNM**: 518682, 518683, 518685 - Xugana, 13 mi [=17 km] N (1857S 2253E, 975 m): **USNM**: 518687, 518688, 518689, 518690, 518691, 518692, 518693, 518694, 518695 - Xugana, 17 km N (18.9S 23.1E): **USNM**: 518679.

Burkina Faso:

Unknown locality: **BMNH**: 1985.1140, 1985.1141; **SMF**: 61007, 61008, 61009, 61010, 61011, 61012, 61013, 61014, 61015, 61016, 61017, 61018, 61019, 66964, 66965, 77906 - Djipologo (1056N 0307W): **USNM**: 468196, 468197, 468198 - Fada Ngourma (12 03 44 N 00 21 28 E, 294 m): **MNHN**: ZM-MO-1911-1591 - Goden (12 12 00 N 02 04 00 W, 308 m): **USNM**: 450698 - Natiaboani (11 41 57 N 00 30 22 E, 268 m): **RMCA**: 97.077-M-3156, 97.077-M-3159 - Nobéré, 1 km S (1126N 0110W): **ROM**: 79857; **USNM**: 503953, 503954, 503955 - Nobéré, 12 km S (ca. 1126N 0110W): **AMNH**:

237388 - Nobere, 12 km S (ca. 1137N 0118W): **ROM**: 79860 - Nobéré, 2 km S (1126N 0110W): **ROM**: 79858, 79859, 79863 - Ouagadougou (12 22 13 N 01 31 29 W, 305 m): **USNM**: 454683 - Oursi (14 40 36 N 00 27 19W, 266 m): **MNHN**: ZM-MO-1998-1064, ZM-MO-1998-1065, ZM-MO-1998-1066, ZM-MO-1998-1067, ZM-MO-1998-1068, ZM-MO-1998-1071 - Park National de Pô (1120N 0110W): **ROM**: 79861, 79862 - Pétoye (14 35 00 N 00 22 00 W, 303 m): **USNM**: 452886, 452887, 452889.

Burundi:

Mweya (03 29 25 S 29 55 42 E, 1762 m): **MHNG**: 1896.016, 1896.017.

Cameroon:

Unknown locality: **RMCA**: 73.017-M-0067, 73.017-M-0068, 73.017-M-0069, 73.017-M-0071 - Koza (10 52 08 N 13 52 51 E, 485 m): **RMCA**: 75.003-M-0090, 75.003-M-0091, 75.003-M-0092, 75.003-M-0093, 75.003-M-0094, 75.003-M-0095, 75.003-M-0096, 75.003-M-0097, 75.003-M-0138, 75.003-M-0139 - Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0032, 73.017-M-0033, 73.017-M-0108 - Pont Vert (10 35 58.5 N 14 20 15.2 E, 404 m): **LZUM**: BFEM 099 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0042, 73.015-M-0043, 73.015-M-0044, 73.015-M-0045, 73.015-M-0046, 73.015-M-0047, 73.015-M-0048, 73.015-M-0049, 73.015-M-0050, 73.015-M-0051, 73.015-M-0052, 73.015-M-0065, 73.015-M-0066, 73.015-M-0067, 73.015-M-0068, 73.015-M-0069, 73.016-M-0011, 73.016-M-0012, 73.016-M-0013, 73.016-M-0014, 73.016-M-0015, 73.016-M-0128, 73.016-M-0129, 73.017-M-0021, 73.017-M-0022, 73.017-M-0023, 73.017-M-0024, 73.017-M-0025, 73.017-M-0026, 73.017-M-0027, 73.017-M-0028, 73.017-M-0029, 73.017-M-0030, 73.017-M-0031, 73.017-M-0034, 73.017-M-0044 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0017, 73.015-M-0018, 73.015-M-0019, 73.015-M-0020, 73.015-M-0021, 73.015-M-0022, 73.015-M-0023, 73.015-M-0024, 73.015-M-0025, 73.015-M-0026, 73.016-M-0016, 73.016-M-0017, 73.016-M-0018, 73.016-M-0019, 73.016-M-0020, 73.016-M-0021, 73.016-M-0022, 73.016-M-0023, 73.016-M-0024, 73.016-M-0025, 73.016-M-0026, 73.016-M-0027, 73.016-M-0028, 73.016-M-0130, 73.016-M-0131, 73.016-M-0132, 73.016-M-0133, 73.016-M-0134, 73.016-M-0135, 73.016-M-0136, 73.016-M-0137, 73.016-M-0138, 73.016-M-0139, 73.016-M-0146, 73.016-M-0147, 73.016-M-0148, 73.016-M-0149, 73.016-M-0150, 73.017-M-0009, 73.017-M-0010, 73.017-M-0011, 73.017-M-0012, 73.017-M-0013, 73.017-M-0014, 73.017-M-0015, 73.017-M-0016, 73.017-M-0017, 73.017-M-0018, 73.017-M-0019, 73.017-M-0020, 73.017-M-0035, 73.017-M-0036, 73.017-M-0037, 73.017-M-0038, 73.017-M-0039, 73.017-M-0040, 73.017-M-0041, 73.017-M-0042, 73.017-M-0043, 73.017-M-0070.

Central African Republic:

Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1976-422, ZM-MO-1976-423, ZM-MO-1976-424, ZM-MO-1976-425, ZM-MO-1976-426, ZM-MO-1976-427, ZM-MO-1976-428, ZM-MO-1976-429, ZM-MO-1976-430, ZM-MO-1976-431, ZM-MO-1976-432, ZM-MO-1976-433, ZM-MO-1976-434, ZM-MO-1976-435, ZM-MO-1976-436 - Boukoko (035400N 175600E): **MNHN**: ZM-MO-1984-174.

Chad:

Bébédjia (08 41 00 N 16 34 00 E, 397 m): **AMNH**: 217042; **ZMA**: MAM.13388, MAM.13389, MAM.13390, MAM.13391, MAM.13392, MAM.13393, MAM.13394, MAM.13395, MAM.13396, MAM.13397, MAM.13398, MAM.13399, MAM.13400, MAM.13401, MAM.13402, MAM.13441, MAM.13442, MAM.13443, MAM.13444, MAM.13445, MAM.13446, MAM.13447, MAM.13448, MAM.13449, MAM.13450, MAM.13451, MAM.13452.

Congo (Democratic Republic of the):

Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49015, 49283, 49359.

Côte d'Ivoire:

Unknown locality: **SMF**: 91999 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1992-586.

Eritrea:

Keren (154640N 382729E, 1590 m): **SMNS**: 983 (Syntype *Nycticejus flavigaster*), 983a (Syntype *Nycticejus flavigaster*).

Ethiopia:

Unknown locality: **BMNH**: 1970.2271_1, 1970.2271_2, 1970.2271_3, 1970.2271_4, 1970.2271_5, 1970.2271_6, 1970.2271_7, 1970.2271_8, 1972.4436_01, 1972.4436_02, 1972.4436_03, 1972.4436_04, 1972.4436_05, 1972.4436_06, 1972.4436_07, 1972.4436_08, 1972.4436_09, 1972.4436_10, 1972.4436_11, 1976.1903_1, 1976.1903_2 - Bermil (12 23 N 35 44 E, 562 m): **ZMMU**: S-189600, S-189601, S-189602, S-189603 - Challa, mount (0523N 3634E, 2100 m): **FMNH**: 105422, 105423 - Dungulbar, near (ca. 11 55 N 37 05 E): **FMNH**: 28781 - Gambela (08 15 N 34 35 E, 514 m): **USNM**: 462760, 497618, 497619, 497620, 497621 - Grara (12 21 N 35 44 E, 560 m): **ZMMU**: S-189604 - Megenagne (12 12 N 35 40 E, 564 m): **NMP**: 95926; **ZMMU**: S-189605.

Ghana:

Gambaga (10 32 N 00 26 W, 312 m): **USNM**: 424875, 424880, 424881, 424882 - Kumasi area (ca. 06 40 N 01 36 W): **ROM**: 62340 - Mole National Park HeadquarterS (09 50 N 01 49 W): **AMNH**: 237426 - Northern Region: **CM**: 113645 - Pong-Tamale (09 41 06 N 00 49 57 W, 146 m): **BMNH**: 1965.566 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 420061, 420062, 420064, 420065, 420067, 420068, 420069, 420070, 420071, 479501, 479502, 479503, 479504, 479505, 479506, 479507, 479508, 479509, 479510, 479511 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **ROM**: 52048.

Guinea-Bissau:

Gunnal (12 18 40 N 15 47 22 W, 1 m): **BMNH**: 1910.4.9.1.

Kenya:

Unknown locality: **BMNH**: 1975.2951 - Eastern [former] province: **CM**: 90854 - Garsen, 8.5 km N (0216S 4007E): **ROM**: 71301 - Kichaka Simba (042057S 392133E): **CUMV**: 13735 - Kichakasimba (04 20 57 S 39 21 33 E): **CUMV**: 14633, 14634, 14635, 14636, 14638, 14639, 14640, 14641, 14642, 14643, 14645 - Lake Jipe (0336S 3746E, 884 m): **MSU**: MR.11560 - Malindi, 30 mi N (0246S 4008E): **BMNH**: 1975.2617_1, 1975.2617_2 - Mukanda river (04 10 S 39 27 E, 152 m): **CUMV**: 13745 - Mukanda Stream (04 10 S 39 27 E, 152 m): **CUMV**: 13733, 13734, 13744, 14632, 14637, 14644, 14646, 14647, 14650; **ROM**: 74500, 74501, 74502, 74505, 74506, 74507, 74508, 74509, 74513, 74515, 74521, 74523, 74525, 74538, 74539 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **ROM**: 48688, 48689, 48690, 48691 - State Loge Campsite (00 06 34 S 34 44 46 E): **MMU**: PWW3006 - Tororo (0037N 3410E): **ROM**: 36379, 36380, 36381.

Malawi:

Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.12.17.56, 1922.12.17.57, 1922.12.17.60, 1922.12.17.61 - Port Herald (1655S 3516E): **BMNH**: 1910.3.26.1.

Mali:

Falea (12 15 51 N 11 16 38 W, 459 m): **DNSM**: 13448 - Mopti region: **SMF**: 92105, 92106.

Mauritania:

Aleg, 3 km S (17 02 N 13 55 W): **USNM**: 401431, 401432.

Mozambique:

Coguno (2423S 3432E): **BMNH**: 1906.11.8.11, 1906.11.8.12, 1906.11.8.18 - Inhambane (2400S 3528E): **BMNH**: 1906.11.8.15 - Mepuze (23 12 19 S 32 29 55 E): **DNSM**: 8576.

Namibia:

Unknown locality: **FMNH**: 89450, 89451, 89452; **QM**: JM6394; **SMF**: 26983 - 12 mi [= 19 km] E Windhoek,Finkenstein Farm (223306S 171447E): **MVZ**: 117211 - Dosa (1813S 2051E, 1061 m): **USNM**: 448338 - Dose Pan (18.13S 20.88E): **SMW**: 10704; **USNM**: 448337 - Gobabls, 70 km NE (21.26S 18.96E): **LACM**: 56274 - Grootfontein, 25 km SE (19.5S 18.2E): **LACM**: 56359 - Kaudom GR (18.47S 20.92E): **USNM**: 448339 - Okahandja (21 59 S 16 55 E, 1324 m): **FMNH**: 65579 - Olifant's Vlei [= Elephant Vlei / Vley] (1730S 1800E): **BMNH**: 1907.1.1.463 (Holotype *Scotophilus damarensis*) - Omaruru, 10 km SE (21.44S 15.61E): **LACM**: 56282 - Omaruru, 30 km NW (20.97S 15.3E): **LACM**: 56285 - Opuwo, 70 km S (17.47S 13.03E): **LACM**: 59084 - Rundu, 75 km SE (18.53S 20.83E): **LACM**: 59018 - Rundu, SE (18.1S 20.38E): **KM**: 2365 - Ssannakanu village (1806S 2023E): **FMNH**: 48736 - Ssanukanu (1806S 2023E): **BMNH**: 1935.9.1.49, 1935.9.1.50, 1935.9.1.51, 1935.9.1.52, 1935.9.1.53, 1935.9.1.55, 1935.9.1.58 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **NMR**: 999000000904, 999000000905.

Niger:

Unknown locality: **BMNH**: 1979.930 - Bolsi, 6 km NW (1320N 0112E): **MVZ**: 154302 - Maradi (13 29 30 N 07 05 47 E, 383 m): **TTU**: 48970 - Niamey (1331N 0207E, 207 m): **MVZ**: 154303, 154304, 154305, 154306, 154307, 154308, 154309, 154310, 154311 - Niamey, 8 km W (1331N 0202E): **ROM**: 54808, 54810, 54811, 54812, 54813, 54815, 54816, 54817, 54818, 54820, 54821, 54822, 54823, 54824, 54825 - Park West (12 36 N 02 29 E): **UCM**: 15196; **USNM**: 462794 - Zinder (13 48 N 08 59 00E, 479 m): **RMCA**: 73.065-M-0002, 73.065-M-0003, 73.065-M-0004, 73.065-M-0005.

Nigeria:

Bichi, 1 mi W (121403N 081428E): **USNM**: 378819 - Enugu state: **SMF**: 92090 - Fika (1117N 111829E, 503 m): **USNM**: 378834, 378835, 378836, 378837, 378838, 378839, 378840, 378841, 378842, 378843, 378844, 378845, 378846 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **AMNH**: 204292 - Kaduna (10 31 23 N 07 26 25 E, 612 m): **BMNH**: 1975.2620 - Mokwa (0917N 0503E, 87 m): **ROM**: 77715, 77730, 77732 - Pandam (09 15 N 07 50 E, 525 m): **ROM**: 79176; **ZMA**: MAM.18373, MAM.18374 - Pandam Wildlife Park (08 44 N 08 59 E): **RMNH**: MAM.25933 - Panyam [Fish Farm] (0925N 0913E): **USNM**: 402808 - Pategi (0844N 0545E): **AMNH**: 209098, 209099, 209100 - Samaru (1110N 0738E, 730 m): **ROM**: 74204, 74206; **USNM**: 402789 - Tsanchaga (0906N 0609E): **USNM**: 402790, 402791, 402792, 402793, 402794, 402795, 402796, 402797, 402798, 402799, 402800, 402801, 402802, 402803, 402804, 402805 - Zaria (1101N 0744E): **ROM**: 77704 - Zaria, 7 mi NW (ca. 1101N 0744E): **USNM**: 378820, 378821, 378822, 378823, 378824, 378825, 378826, 378827, 378828, 378829, 378830, 378831, 378832, 378833.

Senegal:

Unknown locality: **SMF**: 92763 - Dakar (144015N 172617W, 37 m): **MNHN**: ZM-MO-1907-621 - Dakar (1444N 1727W): **USNM**: 380279, 380280, 380281, 380282, 380283, 380284, 380285, 380286, 380287, 380288, 380289, 380290, 380291, 380292, 380293, 380294, 380295 - Linguere (1522N 1507W): **USNM**: 379260, 379261, 379262, 379263, 379264, 379265, 379266 - Linguère (152400N 150700W, 2 m): **MNHN**: ZM-MO-1976-421 - Missirah Saloum (1340N 1632W): **RBINS**: 19901.1, 19901.2, 19901.3, 19901.4, 19901.5, 19901.6, 19901.7, 19901.8, 19927.1 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1995-1820 - Touré: **MNHN**: ZM-MO-1995-2669.

Sierra Leone:

Makeni (0857N 1202W): **BMNH**: 1939.481 - Musaia (09 45 00 N 11 34 00 W, 423 m): **BMNH**: 1962.1802 - Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547030.

South Africa:

Kruger NP, Levuvhu Bridge (22.42S 31.18E): **KM**: 31379 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 48516, 48553, 48558, 48559, 48560, 48595 - Punda Maria Camp (22 41 S 31 01 E, 580 m): **TM**: 30601, 30604 - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein] (22 32 56 S 31 04 22 E): **TM**: 30603.

South Sudan:

Ikoto (0406N 3306E): **FMNH**: 78495, 79558 - Katire (0405N 3246E): **FMNH**: 78218 - Katuluru (0425N 3217E): **FMNH**: 79604, 79605 - Latome (0407N 3337E, 1257 m): **FMNH**: 78219 - Nyibor, Lake (06 55 N 30 10 E): **AMNH**: 184373, 184374, 184375, 184376, 184377 - Tonj (0715N 2845E): **ROM**: 72077 - Torit (0427N 3231E, 610 m): **FMNH**: 78220, 78494, 79601, 79602, 79603 - Yirol District (ca. 0633N 3030E, 3000 ft): **AMNH**: 184368, 184369, 184370, 184371, 184372.

Sudan:

Unknown locality: **BMNH**: 1966.5668 - Aradeiba: **MCZ**: 14463 (Holotype *Scotophilus altilis*), 14610 (Paratype *Scotophilus altilis*), 14611 (Paratype *Scotophilus altilis*) - Barakat (1419N 3332E, 415 m): **FMNH**: 81556, 81557 - Dilling (12 02 N 29 40 E): **SMF**: 33094, 33095, 33096, 33097, 33098, 33099, 33162, 33163, 33164, 33165, 33166, 33167, 33168, 33169, 33170, 33171, 33172, 33180, 33181, 33182 - El Obeid (13 11 N 30 13 E, 609 m): **SMF**: 33240, 33241, 33242, 33243, 33244, 33245, 33246, 33247, 33248, 33249 - Fazogli (1120N 3445E): **MCZ**: 14464 - Kadugli (11 00 N 29 43 E): **SMF**: 33080, 33081, 33082, 33091, 33178, 33179, 33186, 33187, 33188, 33189, 33190, 33191, 33239, 33250, 33251, 33252, 33253, 33254, 33255, 33256, 33257, 33258, 33259 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **FMNH**: 81554, 81555, 81558; **ROM**: 77212; **SMF**: 33059, 33060, 33061, 33062, 33063, 33064, 33065, 33066, 33067, 33068, 33069, 33070, 33071, 33072, 33073, 33074, 33075, 33076, 33077, 33078, 33079 - Khartoum state: **SMF**: 78113 - Khor Umm Adara (1115N 3111E): **SMF**: 33174 - Kologi (1052N 3059E): **SMF**: 33183, 33184, 33185 - Kordofan (ca. 13 12 N 30 14 E): **RMNH**: MAM.27432; **SMF**: 12069, 4309 (Lectotype *Null*), 47650 - Magangani (ca. 12 00 N 34 20 E): **MCZ**: 14608, 14609 - Nubia (ca. 20 00 N 32 00 E): **RMNH**: MAM.27433 - Rheika (10 41 N 30 00 E): **SMF**: 33173 - Semeih (12 43 N 30 50 E, 472 m): **SMF**: 33175, 33176, 33177 - Zalingei (1252N 2329E): **BMNH**: 1923.1.1.22, 1923.1.1.23, 1923.1.1.25, 1923.1.1.27, 1923.1.1.28.

Tanzania:

Northeastern Tanzania: **ROM**: 38280.

The Gambia:

Unknown locality: **SMF**: 91089, 91090, 92158, 92159 - Abuko Nature Reserve (13 23 29 N 16 39 09 W): **SMF**: 91083, 91084 - Toniataba (13 26 N 15 35 W, 21 m): **USNM**: 379390.

Togo:

Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0084, 73.013-M-0085 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0006, 73.011-M-0007, 73.011-M-0008, 73.011-M-0158 - Nanergou (10 55 00 N 00 09 00 E, 303 m): **RMCA**: 73.009-M-0008, 73.009-M-0009, 73.009-M-0010, 73.009-M-0011, 73.009-M-0012, 73.009-M-0013, 73.009-M-0014, 73.009-M-0015 - Niamtougou (09 46 06 N 01 06 19 E, 378 m): **RMCA**: 73.011-M-0004, 73.011-M-0005 - no specific locality: **RMCA**: 73.009-M-0023.

Uganda:
Unknown locality: **BMNH**: 1964.160, 1964.161 - Arua (030109N 305551E): **ROM**: 39892, 40074, 40075, 40076, 40077, 40078 - Budongo Forest (014416N 313322E, 4000ft): **AMNH**: 219768, 219769, 219770 - Budongo Forest (0146N 3133E): **ROM**: 46608, 46609 - Kampala (00 18 56 N 32 33 56 E, 1202 m): **CUMV**: 20849, 20850, 20851, 20852 - Katalemwa (002427N 323506E): **ROM**: 40099 - Metu (033913N 314805E): **ROM**: 68681 - Moyo, 10 mi [=16 km] E (03 39 N 31 43 E, 750 -1067 m): **ROM**: 59151, 59161 - near Arua: **ROM**: 39373 - Sonsor river (0146N 3133E): **ROM**: 46606, 46607, 46610, 46611, 46612 - Waisoke river (0146N 3133E): **ROM**: 46572, 46573 - West Madi (03 30 N 31 35 E): **BMNH**: 1964.159.

Zambia:
Unknown locality: **QM**: JM6229, JM6249 - Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115909, 115910, 115911 - Blue Lagoon ranch (1527S 2720E): **BMNH**: 1968.142 - Copperbelt province: **SMF**: 92718 - Kabulonga (152500S 282100E): **NMZL**: 2759 - Livingstone (17 51 00 S 25 52 00 E, 3030 ft): **NMZL**: 2442, 2443, 2446, 2448, 2450, 2451, 2453, 2455, 2456 - Luachi River (1450S 2222E): **FMNH**: 95220 - Luangwa Valley, Mfuwe (13.08S 31.78E): **NHMZ**: 63221 - Lufupa camp [site 2] (14 36 56 S 26 11 27 E): **NMZL**: ECJS-12/2008, ECJS-13/2008, ECJS-14/2008, ECJS-17/2008 - Mfuwe (1331BB): **BMNH**: 1966.5463, 1966.5464, 1966.5466, 1966.5468, 1966.5471; **NHMZ**: 22853, 22856 - Mongu (151500S 230800E): **NMZL**: 2930 - Muckle Neuk: **NMZL**: 2734, 2935 - Pwira Pan (1354S 2751E): **BMNH**: 1966.5472.

Zimbabwe:
Chete, Chifumbi Spring (17.37S 27.62E): **NHMZ**: 57428 - Chete, Kabaya Bay (17.37S 27.62E): **NHMZ**: 57607 - Chirisa SA, Magurazino R (17.62S 28.37E): **NHMZ**: 64788 - Chishakwe Camp, 3 km E (20.0S 32.0E): **NHMZ**: 32937 - Humani Ranch (20.25S 32.25E): **NHMZ**: 81857 - Kanjedza River (16 52 30 S 28 37 30 E): **NHMZ**: 61973 - Kanyati (16.88S 29.91E): **TM**: 45070 - Katombora Rapids (17.88S 25.33E): **NHMZ**: 60651 - Kazangula (17.83S 25.27E): **NHMZ**: 60656 - Lake Kariba, Gatshe Gatshe Bay (16.87S 28.87E): **NHMZ**: 30699 - Ingwe Safari (18.42S 26.31E): **NHMZ**: 33765 - Mana Pools-NP (1543S 2925E): **TM**: 45057, 45059 - Plumtree School (20.25S 27.75E): **NHMZ**: 84409 - Sabi-Lundi [= Save-Runde] R Confluence (21.28S 32.38E): **USNM**: 470255, 470256, 470257, 470258, 470259 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **DNSM**: 3690; **NHMZ**: 59272; **USNM**: 543076, 543077, 543078, 543079 - Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 87397, 87428, 87429, 87430, 87431 - Shangani Bridge, Lubimbi (18.62S 27.37E): **NHMZ**: 32021 - St James Mission, Nyamandlovu (19.75S 28.0E): **NHMZ**: 31744 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 77682 - Westwood Vlei (17 55 00 S 25 32 00 E): **NHMZ**: 60663.

Scotophilus livingstonii Brooks and Bickham, 2014

Kenya:
Ikuywa River Bridge (00 12 00 N 34 54 00 E): **CM**: 98051, 98053 (Paratype *Scotophilus livingstonii*) - Kakamega, 5 km S, 16 km E (00 16 00 N 34 53 00 E): **CM**: 102250, 102251.

Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006

Madagascar:
Unknown locality: **FMNH**: 194546, 194549, 221393; **UADBA**: 31754, 43688, 43693 - Antafinimihakatra (1616S 4648E): **UADBA**: 46965 - Mahabo (202300S 444000E, 57 m): **MNHN**: ZM-MO-1984-433 - Marovaza (145648S 471628.6E, 5m): **FMNH**: 184051 (Paratype *Scotophilus marovaza*), 184052 (Paratype *Scotophilus marovaza*), 184085 (Paratype *Scotophilus marovaza*), 184086 (Paratype *Scotophilus marovaza*) - Marovaza (1457S 4716E): **FMNH**: 184050 (Holotype *Scotophilus marovaza*).

Scotophilus nigrita (Schreber, 1774)

Benin:
"Dahomey": **MNHN**: ZM-MO-1912-441 - Manigri (08 58 21 N 01 43 27 E, 309 m): **NMP**: 91889.

Burundi:
Bujumbura (03 23 00 S 29 22 00 E, 794 m): **MHNG**: 1607.052.

Cameroon:
Extreme-Nord province (10 44 25 N 13 48 10 E, 849 m): **LZUM**: BFEM 072.

Congo:
Brazzaville (04 15 33 S 15 17 05 E, 155 m): **HNHM**: 64.242.1.

Congo (Democratic Republic of the):
Albertville (0556S 2912E, 763 m): **AMNH**: 206844, 212591, 212592, 212593, 212594, 212595, 212596; **RBINS**: 14598; **RMCA**: 22948, 29293, 29294, 29295, 29296, 29297, 31718, 33585, 33586.

Côte d'Ivoire:
Unknown locality: **QM**: JM6369; **RMCA**: 97.077-M-3232, 97.077-M-3233, 97.077-M-3234 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 97.077-M-3190 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1710, ZM-MO-1985-1711.

Ghana:
Achimota College (05 37 00 N 00 14 00 W, 82 m): **FMNH**: 105817 - Kade, 6 mi [=9.7 km] N (06 10 N 00 50 W): **USNM**: 420076 - Mole National Park (09 50 N 01 49 W): **BMNH**: 1976.773 - Pulima (1051N 0203W): **USNM**: 420075 - Upper (province): **FMNH**: 105818.

Guinea:
Guinee-Maritime (ca. 0942N 1322W): **HNHM**: 68.572.1, 69.28.1, 88.117.1 - Kallendu (112555N 123538W): **HNHM**: 92.52.1.

Kenya:
Coast [former] province: **CM**: 102256 - Kampi Ya Moto (00 08 00 S 35 56 00 E, 1980 m): **WAM**: M16560 - Lamu town, NW of (ca. 02 16 42 S 40 54 12 E, 1 m): **MSU**: MR.33553 - Mukanda river (04 10 S 39 27 E, 152 m): **CUMV**: 13722; **RMNH**: MAM.27155, MAM.27156 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 76539, 76554 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **BRTC**: 27863; **HNHM**: 60.256.1 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152838.

Malawi:
Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1922.12.17.53, 1922.12.17.54, 1922.12.17.55 - Mitondo [= Mtondo] (1617S 3504E): **BMNH**: 1922.12.17.55a.

Mozambique:
Zinave (21 26 12 S 33 51 01 E): **KU**: 105222 (Holotype *Scotophilus alvenslebeni*).

Niger:
Maradi (13 29 30 N 07 05 47 E, 383 m): **TTU**: 41206, 41207, 41208, 41209, 41210, 41211, 41212, 41213, 41214, 41215, 41216, 41217, 41218, 41219, 41220, 41221, 41222.

Nigeria:
Agege (06 37 19 N 03 19 33 E, 41 m): **ZMA**: MAM.18366 - Apapa (ca. 0622N 0322E): **HZM**: 1.8203 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **USNM**: 483197 - Lagos (0627N 0323E): **BMNH**: 1872.10.24.5 (Holotype *Scotophilus gigas*).

Senegal:
Diabane (1233N 1605W): **FMNH**: 128221, 128222, 128223, 128224, 128225, 128226, 128227, 128228 - Diadam (16 22 N 16 16 W): **IVB**: Sen1967, Sen1968 - Richard Toll (1625N 1542W, 10 m): **MNHN**: ZM-MO-1960-80 - Saint-Louis (16 01 56 N 16 29 30 W, 0 m): **MVZ**: 136358.

South Africa:
Unknown locality: **AMNH**: 169171 - Hectorspruit (25 26 00 S 31 41 00 E, 245 m): **DNSM**: 9873 - Ngwenya Lodge (25 22 37 S 31 51 32 E): **TM**: 47626 - Pafuri (22 24 36 S 31 06 36 E): **SNP**: CHIR. KNP-UP-742.

South Sudan:
Agok (0909N 2849E): **MSU**: MR.33550 - Raga (082800N 254100E): **MSU**: MR.33551, MR.33552 - Wau (074200N 280000E): **MSU**: MR.33473, MR.33474, MR.33475, MR.33507, MR.33508, MR.33509, MR.33510, MR.33511, MR.33512, MR.33513, MR.33514, MR.33515, MR.33516, MR.33517, MR.33518, MR.33519, MR.33520, MR.33521, MR.33522, MR.33523, MR.33524, MR.33525, MR.33526, MR.33527, MR.33528, MR.33529, MR.33530, MR.33531, MR.33532, MR.33533, MR.33534, MR.33535, MR.33536, MR.33537, MR.33538, MR.33539, MR.33540, MR.33541, MR.33542, MR.33543, MR.33544, MR.33545, MR.33546, MR.33547, MR.33548, MR.33549, MR.33577, MR.33578, MR.33613, MR.33616, MR.33617, MR.33618, MR.33620, MR.33622, MR.33623, MR.33624, MR.33625, MR.33626, MR.33628.

Sudan:
Unknown locality: **MSU**: MR.33506 - Kadugli (11 00 N 29 43 E): **SMF**: 32786, 32787 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **MSU**: MR.33567 - Kordofan (ca. 13 12 N 30 14 E): **SMF**: 108 - South Kordofan state: **SMF**: 32785.

Tanzania:
Arusha (03 22 00 S 36 41 00 E, 1254 m): **HNHM**: 2687.38 - Moshi (03 21 S 37 20 E, 887 m): **HNHM**: 60.256.2 - Tanga region: **SMF**: 79550.

Togo:
Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 36027.

Zambia:
Lochinvar (15 55 S 27 15 E): **HNHM**: 76.163.1.

Zimbabwe:
Odzi district (1859S 3229E): **BMNH**: 1947.7.

Scotophilus nucella Robbins, 1983

Côte d'Ivoire:
Abidjan, 15 km NW (0521N 0405W): **AMNH**: 241056.

Ghana:
Dunkwa (05 58 N 01 47 W, 117 m): **ROM**: 70525 - Krokosua Hills Forest Reserve (06 37 N 02 51 W): **NMP**: 95434; **ZFMK**: 2003.1044 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 412140, 412141 (Holotype *Scotophilus nucella*) - Oda (05 55 N 00 56 W, 122 m): **USNM**: 429529, 429530.

Tanzania:
Lindi region: **SMF**: 82533 - Tanga region: **SMF**: 85527, 86382, 86688.

Uganda:
Budongo Forest (0146N 3133E, 1067 m): **ROM**: 59245 - Masindi, near (014028N 314254E, 1067 m): **ROM**: 59141.

Scotophilus nux Thomas, 1904

"Africa":
"Congo": **MNHN**: ZM-MO-1899-890, ZM-MO-1899-891.

Cameroon:
Unknown locality: **BMNH**: 1945.366, 1945.369 - Alen (02 23 00 N 10 34 00 E, 197 m): **RMCA**: 73.018-M-0182 - Batowri district (0426N 1422E): **BMNH**: 1945.365, 1945.367, 1945.368, 1945.370, 1945.371 - Big farm, Mungo River, east bank (0421N 0930E): **ROM**: 68879 - Efulén (02 47 00 N 10 32 00 E, 421 m): **BMNH**: 1903.2.4.5 (Holotype *Scotophilus nigrita nux*) - Eséka, 6 km SE (ca. 0340N 1045E): **AMNH**: 236322 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55646 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55760 - Lomié (03 10 00 N 13 37 00 E, 611 m): **ZMA**: MAM.24590 - Mamfe, 12 km SE (ca. 05 47 N 09 18 E): **AMNH**: 241059, 241060, 241061; **TTU**: 18000, 18001, 18002.

Congo (Democratic Republic of the):
Ibembo (0238N 2337E, 420 m): **RMCA**: 20661 - Kongolo (05 25 S 27 00 E): **HZM**: 64.7806 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 49286, 49287; **BMNH**: 1919.5.8.13; **RMCA**: 4344 - Panga (01 51 00 N 26 25 00 E, 434 m): **RMCA**: 9125, 9126 - Teturi (01 04 00 N 29 08 00 E, 766 m): **RBINS**: 7041, 7042, 7043 - Yalosemba (02 35 N 24 47 E, 422 m): **USNM**: 537730, 537731, 537732, 537733, 537734, 537735.

Côte d'Ivoire:
Unknown locality: **SMF**: 92053, 92054 - Abidjan, 15 km NW (0521N 0405W): **AMNH**: 241057 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **AMNH**: 239411; **RMCA**: 78.048-M-0001, 78.048-M-0002, 78.048-M-0003, 78.048-M-0004, 78.048-M-0005, 78.048-M-0006, 78.048-M-0007, 78.048-M-0008, 78.048-M-0009, 78.048-M-0010, 78.048-M-0011, 78.048-M-0012, 78.048-M-0013, 78.048-M-0014, 78.048-M-0015, 78.048-M-0016, 78.048-M-0017, 78.048-M-0018, 78.048-M-0019, 78.048-M-0020, 78.048-M-0021, 78.048-M-0022, 78.048-M-0023, 78.049-M-0001, 78.049-M-0002,

78.049-M-0003, 78.049-M-0004, 78.049-M-0005, 78.049-M-0006, 78.049-M-0007, 78.049-M-0008, 78.049-M-0009, 78.049-M-0010, 78.049-M-0011, 78.049-M-0012, 78.049-M-0013, 78.049-M-0014, 78.049-M-0015, 97.077-M-3189.

Ghana:

Butre (0449N 0155W): **USNM**: 414243, 414244 - Kade, 6 mi [=9.7 km] N (06 10 N 00 50 W): **USNM**: 420074 - Krokosua Hills Forest Reserve (06 37 N 02 51 W): **ZFMK**: 2003.1049, 2003.1058 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 412142.

Guinea:

Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0306.

Kenya:

Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 65990, 66026, 75574, 79812, 81292, 81322, 81329 - Kakamega forest (0016N 3453E): **ROM**: 65958, 65959, 65960 - Kakamega forest station (0014N 3452E): **MCZ**: 59891 - Kakamega Forest Station, 1 mi NE (0017N 3447E, 1615 m): **FMNH**: 152839 - Kakamega Forest, 12.8 km SE (001600N 345300E): **ROM**: 91236; **USNM**: 350995 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 71056, 71057, 71058.

Liberia:

Tokadeh (07 27 01 N 08 40 17 W): **BMNH**: 1979.513, 1979.513_1, 1979.513_2 - Zozoma (082500N 094700W): **AMNH**: 257069.

Nigeria:

Calabar, 15 mi N (0513N 0812E): **USNM**: 377119, 377120, 377121, 377122, 377123, 377124, 377125, 377126, 377127, 377128, 377129.

Sierra Leone:

Panguma, 10 mi N (0817N 1106W): **USNM**: 463311.

Uganda:

Bunyoro (0145N 3135E, 1071 m): **ROM**: 46455, 46456, 46457 - Omubiyanja Swamp (0059S 2937E, 1850 m): **FMNH**: 160378, 160379, 160380, 160381, 160382, 160383, 160384.

Scotophilus robustus A. Milne-Edwards, 1881

"Africa":

Unknown locality: **FMNH**: 166186.

Madagascar:

Unknown locality: **FMNH**: 188063, 209163; **MNHN**: ZM-MO-1997-1883a (Holotype *Scotophilus robustus*), ZM-MO-1997-1883b (Paratype *Scotophilus robustus*); **SMF**: 83528; **UADBA**: 43991, 45540, 45541, 45542, 45543, 46734, 50403 - Forêt d'Analalava (24 10 00 S 47 16 00 E, ca. 20m): **MCZ**: 45653, 45654, 45655 - Madagascar: **MNHN**: ? - Mistinjo: **MNHN**: ZM-MO-1947-293, ZM-MO-1981-459 - National Park de Zombitse-Vhibasia (22.842008 S 44.679794 E): **FMNH**: 151939 - no specific locality: **MNHN**: 218 (Holotype *Scotophilus robustus*).

Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005

"Africa":

Unknown locality: **UADBA**: 51344.

Madagascar:

Bekopake, 1.8 km SE and 0.6 km NE Andadoany (1908S 4449E, 50 m): **UADBA**: 46923 (Holotype *Scotophilus tandrefana*).

Scotophilus trujilloi Brooks and Bickham, 2014

Kenya:

Kwale, 7 km S, 8 km W (04 15 S 39 23 E): **CM**: 102240 - Moana Marine Station (04 18 S 39 35 E): **CM**: 98038 (Holotype *Scotophilus trujilloi*), 98040 (Paratype *Scotophilus trujilloi*) - Taveta, 3 km E (03 23 S 37 42 E, 760 m): **CM**: 102241, 102242.

Scotophilus viridis (Peters, 1852)

"Africa":

East coast of Africa: **BMNH**: 1889.1.11.2.

Benin:

Bimbereke (1014N 0240E, 449 m): **USNM**: 421461, 421462, 421463, 421464, 421465, 421466, 421467, 421468, 421469, 421470, 421471, 421472, 421473, 421474, 421475, 421476, 421477 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 421478, 421479 - Ouari-Maro forest (09 10 N 02 10 E): **ZMA**: MAM.26223.

Botswana:

Kwaai River (19 10 S 23 30 E): **ZMA**: MAM.06809.

Burkina Faso:

Natiaboani (11 41 57 N 00 30 22 E, 268 m): **USNM**: 450699 - Nobéré, 1 km S (1126N 0110W): **AMNH**: 237389; **ROM**: 79839 - Nobere, 12 km S (ca. 1137N 0118W): **ROM**: 79841, 79842, 79875 - Ougarou (1210N 0056W): **USNM**: 452888 - Park National de Pô (1120N 0110W): **ROM**: 79840.

Cameroon:

Mayo Darle, 6 km N (ca. 0628N 1133E): **ROM**: 55893 - Mokolo - Mayo Louti (10 42 00 N 13 44 00 E): **RMCA**: 73.015-M-0027, 73.015-M-0028, 73.015-M-0029, 73.015-M-0030, 73.015-M-0031, 73.015-M-0032, 73.015-M-0033, 73.015-M-0034, 73.015-M-0035, 73.015-M-0036, 73.015-M-0037, 73.015-M-0038, 73.015-M-0039, 73.015-M-0040, 73.015-M-0070 - Mokolo (10 44 25 N 13 48 10 E, 760 m): **RMCA**: 73.015-M-0041.

Central African Republic:

Bamingui (0832N 2055E): **BMNH**: 1979.2031, 1979.2032 - Bangoran (08 04 51 N 20 20 43 E, 418 m): **MNHN**: ZM-MO-2000-880, ZM-MO-2000-881 - Bohou River (ca. 06 32 47 N 23 24 46 E): **MNHN**: ZM-MO-2000-879 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-882.

Côte d'Ivoire:

Unknown locality: **FMNH**: 58912, 58913; **ROM**: 84968, 84969; **SMF**: 84400, 84401, 84402, 92000, 92001; **USNM**: 468194, 468195, 468199 - Banama Blanc (0945N 0550W): **FMNH**: 105208, 105209 - Bouaké (07 41 N 05 01 59 W, 312 m): **MNHN**: ZM-MO-1911-817 - Madinani mountains, E of (ca. 0937N 0657W): **FMNH**: 105202, 105329.

Ethiopia:

Bermil (12 23 N 35 44 E, 562 m): **ZMMU**: S-189610 - Gambela (08 15 N 34 35 E, 514 m): **SMF**: 41837, 41837-b, 41838, 41838-b; **ZFMK**: 1973.0088, 1973.0089, 1973.0090, 1973.0092, 1973.0094, 1973.0095, 1973.0096, 1973.0097, 1973.0098, 1973.0100, 1973.0147, 1973.0148, 1973.0149, 1973.0150, 1973.0154, 1973.0155 - Gelego (12 14 N 35 53 E, 650 m): **ZMMU**: S-189606, S-189607, S-189608, S-189609 - Mabil, 10 km W (ca. 1019N 3645E): **BMNH**: 1970.490, 1970.491.

Ghana:

Unknown locality: **BMNH**: 1946.376, 1975.563, 1975.564, 1976.774_1, 1976.774_2, 1976.774_3, 1976.774_4, 1976.778_1, 1976.778_2 - Accra, 9 mi [=14.5 km] NE (05 33 N 00 15 W): **AMNH**: 241058 - Damango, near (09 15 N 01 45 W): **ROM**: 60200, 60201 - Gambaga (10 32 N 00 26 W, 312 m): **BMNH**: 1899.6.15.9 (Holotype *Scotophilus nigritellus*); **USNM**: 424873, 424874, 424876, 424877, 424878, 424879 - Legon (05 39 00 N 00 11 00 W, 30 m): **USNM**: 412144, 412148, 412149, 412154, 412159, 429524 - Mole Game Reserve, river below Headquarters (ca. 09 50 N 01 49 W): **AMNH**: 237427, 237428 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424885, 424886, 424887 - Pong-Tamale (09 41 06 N 00 49 57 W, 146 m): **BMNH**: 1965.565 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 420016, 420017, 420018, 420019, 420020, 420021, 420022, 420023, 420024, 420025, 420026, 420027, 420028, 420029, 420030, 420031, 420032, 420033, 420034, 420035, 420036, 420037, 420038, 420039, 420040, 420041, 420042, 420043, 420044, 420045, 420046, 420047, 420048, 420049, 420050, 420051, 420052, 420053, 420054, 420055, 420056, 420057, 420058, 420059, 420060.

Kenya:

Coast [former] province: **CM**: 98039 - Diani Forest (04 20 S 39 32 E): **RMNH**: MAM.28656, MAM.28657, MAM.28658; **ZMA**: MAM.20181, MAM.20810, MAM.20811, MAM.20812, MAM.20813 - Garsen, 8.5 km N (0216S 4007E): **ROM**: 71315 - Kitale, 20 mi SW (0045N 3445E, 1830-2134 m): **USNM**: 351260 - Mara River: **SMF**: 48669 - Moana Marine Station (04 18 S 39 35 E): **CM**: 98041 (Paratype *Scotophilus trujilloi*) - Moana Marine Station (0418S 3935E): **MCZ**: 59888 - Mukanda river (04 10 S 39 27 E, 152 m): **RMNH**: MAM.27157, MAM.27158, MAM.27159, MAM.27167, MAM.27169, MAM.27170, MAM.27172, MAM.27173, MAM.27174, MAM.27177, MAM.28646, MAM.28650, MAM.28651; **ROM**: 59200, 59202; **ZMA**: MAM.20814 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 76535, 76536, 76538, 76546, 76555, 76556, 76568, 76569, 76570, 76571 - on Galole Road (013013S 400144E): **ROM**: 71316 - Shell BM Camp (0231S 4031E): **ROM**: 71253, 71254 - Shimba Hills Nature Reserve (04 14 S 39 25 E): **RMNH**: MAM.28647, MAM.28648, MAM.28649, MAM.28659, MAM.28664, MAM.28665, MAM.28666 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **AMNH**: 219771; **RMNH**: MAM.28653, MAM.28654, MAM.28655; **ZMA**: MAM.20807, MAM.20808, MAM.20809 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 79829, 79831, 79832, 79833, 79834, 79836, 79837, 81280, 81281, 81282 - Watamu (03 21 S 40 01 E, 0 m): **RMNH**: MAM.28652.

Malawi:

Unknown locality: **BMNH**: 1987.1153, 1987.1154, 1987.1155, 1987.1174 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **KU**: 79314, 79315.

Mali:

Sotuba (1236N 0755W): **FMNH**: 42132, 42133, 42134.

Mozambique:

Aldeia Chiuta [= Chiuta, Chuta] (153344S 331723E, 700m): **USNM**: 365437, 365438 - Bidenguele (24 57 27 S 34 11 22 E): **DNSM**: 9853 - Chinizuia Forest (18 58 38 S 35 03 20 E): **DNSM**: 12949, 8472, 8473 - Chiutu (15.57S 33.28E): **USNM**: 365436 - Coquno [= Coguno?] (24.27S 34.67E): **SAMC**: 37067 - Cruz Dabacua Setache, Zinave (21.0S 33.5E): **NHMZ**: 63248 - Envirotrade site (18 58 42 S 34 10 33 E): **DNSM**: 9863 - Inhambane (2400S 3528E): **BMNH**: 1906.11.8.13 - Lagoa De Ura (1942S 3419E): **ROM**: 51087, 51089 - Magude-Mapulenguene (24.94134S 32.54862E): **DNSM**: 9851 - Mague (New) Boroma (1549S 3144E): **USNM**: 365411, 365412, 365413, 365414, 365415, 365416, 365417, 365418, 365419, 365420, 365421, 365422, 365423, 365424, 365425, 365426, 365427, 365428, 365429 - Malucas (21.75S 33.25E): **NHMZ**: 63275 - Mapinhane (22 19 S 35 03 E): **DNSM**: 59 - Massangena (21 33 18 S 32 57 38 E, 115 m): **DNSM**: 12948, 8471 - Mozambique Island (ca. 1500S 4042E): **ZMB**: 73610 - Niassa Game Reserve (12 37 27 S 37 39 23 E): **DNSM**: 8582, 8584, 8585 - Nkuli Camp (12 10 09 S 038 14 34 E): **DNSM**: 8470, 8583 - Pamzila (21.25S 33.25E): **NHMZ**: 63219 - Ressano Garcia, 10 km SSE (25.37S 32.05E): **NHMZ**: 63279 - Save River, south of bridge on EN1 (21 10 33 S 34 44 47 E, 52 m): **DNSM**: 9373 - Tete (1610S 3335E): **BMNH**: 1908.4.3.26, 1908.4.3.27, 1908.4.3.28, 1908.4.3.29 - Tete district (1709S 3338E): **TM**: 1093, 14703 - Zinave NP (21.37S 33.87E): **NHMZ**: 63223.

Niger:

Niamey, 8 km W (1331N 0202E): **ROM**: 54807 - Talantégou (122945N 024444E, 166 m): **USNM**: 462792, 462793.

Nigeria:

Unknown locality: **BMNH**: 1979.1749, 1979.1750, 1979.1751_1, 1979.1751_2, 1979.1751_3 - Aguleri (0622N 0653E): **BMNH**: 1905.12.1.1 - Arusu (08 42 N 08 09 E, 299 m): **ZMA**: MAM.18375 - Mokwa (0917N 0503E, 87 m): **ROM**: 77716 - Numan (092800N 120200E, 152 m): **BMNH**: 1978.189 - Pandam (09 15 N 07 50 E, 525 m): **ZMA**: MAM.18372 - Yankari (09 36 N 10 40 E, 276 m): **ROM**: 74205, 74207 - Yankari Game Reserve (09 45 00 N 10 30 00 E): **SMF**: 77328 - Zaria (1101N 0744E): **ROM**: 77711.

Senegal:

Unknown locality: **SMF**: 92762 - Badi (13 09 00 N 13 14 00 W, 34 m): **BMNH**: 1911.6.10.11 - Diabane (1233N 1605W): **FMNH**: 128229 - Missirah Saloum (1340N 1632W): **RBINS**: 19927.2.

Sierra Leone:

Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547031 - Outamba-Kilimi-NP, Kilimi section (0948N 1227W): **USNM**: 547032.

South Africa:

Unknown locality: **NHMZ**: 59263, 64176, 64201 - Anthrax camp (22 25 30 S 31 12 30 E): **KNP**: 137, 147 - Bayete Camp (27 46 48 S 32 18 36 E, 56 m): **DNSM**: 8794 - Bobomeni research camp [=Bobomene] (22 25 18 S 31 12 49 E): **KNP**: 174, 175, 176, 177 - Bube pan (27 47 S 32 12 E): **TM**: 35318, 35319, 35320 - Dukuduku Forest (28 23 00 S 32 19 00 E): **TM**: 40354, 40385, 40387, 40388 - eGodeni (28 05 00 S 32 02 01 E): **DNSM**: 3276 - Fig Tree Camp (22 26 00 S 31 11 00 E): **AMNH**: 257415, 257416, 257417, 257418, 257419, 257420, 257421 - Futululu Research Station (28 25 S 32 16 E, 45 m): **DNSM**: 1022 - Hans Merensky Nature Reserve (2340S 3041E): **TM**: 24555 - Hlabisa (28.18S 31.95E): **KM**:

21098 - Ingwenya Farm (409 SU) (2720S 3158E, 185 m): **FMNH**: 195620 - Kumsinga Hide (27 37 43 S 32 14 09 E, 94 m): **DNSM**: 9529, 9530 - Letaba Camp (23 51 16 S 31 34 17 E): **TM**: 39571, 39575 - Letaba Highwater Bridge (23 48 40 S 31 34 56 E): **AMNH**: 257413, 257414 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 30488, 30510, 30511, 30524, 30528, 30529, 30530, 30551, 30552, 34166, 34168, 34169, 34193, 34228, 34229, 34230, 34231, 34251, 34252, 34253, 34254, 34255, 34256, 34257, 34258, 34259, 34260, 39482 - Makatini Flats, 20 mi [=32 km] E (27 15 S 32 21 E): **USNM**: 351379, 351380, 351381 - Malibali pan (27 37 58 S 32 11 03 E, 94 m): **TM**: 35250, 35251, 35252, 35253, 35254, 35255, 35256, 35257, 35258, 35259, 35260 - Mansiya (28 02 13 S 32 02 57 E): **DNSM**: 8053 - Mantuma Camp (27 35 46 S 32 13 03 E, 103 m): **DNSM**: 10668, 7513 - Msinga pan (27 47 S 32 12 E): **TM**: 35329, 35331 - Mziki Pan (27 42 05 S 32 24 50 E, 28 m): **DNSM**: 8786 - Ndumu Game Reserve (2653S 3215E): **TM**: 35218, 35219, 35233, 35234, 35235, 35236, 35237, 35238 - Newington, 3 mi WNW (ca. 2447S 3115E): **USNM**: 342638 - Nhlange, Lake (27 00 00 S 32 50 00 E): **WAM**: M34162 - Nhlonhela pan (27 46 48 S 32 12 00 E): **TM**: 35274, 35276, 35277 - Nibela peninsula (27 56 S 32 26 E): **DNSM**: 10155, 10176 - Nsemani Windmill (24 23 36 S 31 42 54 E): **KNP**: 05 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 46430, 48515, 48552, 48554, 48555, 48556, 48557, 48589, 48592 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **AMNH**: 257422, 257423, 257424, 257425 - Phinda Game Reserve (27 51 49 S 32 16 29 E, 55 m): **DNSM**: 13164, 13165, 13166 - Punda Maria Camp (22 41 S 31 01 E, 580 m): **TM**: 30608, 30621, 30622, 30623, 30624, 30631, 30632, 39481 - Punda Maria Camp, 2 km N (22 41 S 31 02 E): **AMNH**: 257426 - Punda Milia Camp (22 41 51 S 31 01 12 E, 580 m): **TM**: 30602, 30656 - Roodevaal Private Camp, 2 km SE (2408S 3136E): **AMNH**: 257427; **TM**: 39677, 39679 - Sabie river bank (24 58 03 S 31 40 12 E): **TM**: 42088, 42091 - Shashanga windmill (22 39 S 30 59 E): **TM**: 30664, 30665, 30666, 30667 - Sibengu Lodge (27 57 S 32 26 E, 41 m): **DNSM**: 10157; **FMNH**: 209129 - Skukuza camp, Sabie River (24 59 S 31 36 E): **TM**: 42087, 42090 - St. Lucia (28 23 S 32 25 E, 26 m): **DNSM**: 1045 - Tembe Elephant Park (27 02 36 S 32 25 23 E, 84 m): **TM**: 45323, TEMBE 2a - Tembe Elephant Park, east of HQ, pan (2703.699S 3227.102E, 65 m): **DNSM**: 8488 - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein] (22 32 56 S 31 04 22 E): **TM**: 29934, 30599, 30600, 30605, 30606, 30607, 30617, 30618, 30619, 30620 - Ubombo (27.55S 32.67E): **KM**: 25972 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 8739 - Wardens house (27 47 S 32 12 E): **TM**: 35330, 35332.

South Sudan:

0640N 2841E: **ROM**: 68198 - Tonj (0715N 2845E): **ROM**: 72061, 72062, 72063, 72064, 72065 - Yambio, Wildlife Office compound (04 34 15 N 28 23 55 E, 652 m): **USNM**: 587211, 587212.

Sudan:

Bados (1210N 3420E): **FMNH**: 34161.

Swaziland:

Ebaleni (26 15 49 S 31 56 42 E): **DNSM**: 8432 - Mlawula Nature Reserve, site 1 (26 10 49 S 32 02 57E): **TM**: 47745.

Tanzania:

Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **ZMB**: 62427 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 870 m): **FMNH**: 150084, 150085 - Kilindoni (07 54 46 S 39 39 48 E): **SMF**: 79560 - Kisarawe (0653S 3903E): **ZFMK**: 1961.0106 - Lindi region: **SMF**: 79561, 79562, 81206, 82534, 82535 - Liwale (09 46 S 37 56 E, 468 m): **BMNH**: 1964.1771 - Mbeya region: **SMF**: 85547, 85548 - Mbulu (035100S 353200E, 1772 m): **AMNH**: 54264 - Morogoro (06 48 S 37 40 E, 560 m): **BMNH**: 1922.7.17.75 - Morogoro region: **SMF**: 89687, 89688 - Ngezi Forest (0456S 3942E, 32 m): **FMNH**: 192837, 192903, 192904 - Pwani region: **SMF**: 75875, 75887, 79556, 79557 - Sengerema (02 40 00 S 32 39 00 E, 1276 m): **ZMA**: MAM.22395 - Tanga region: **SMF**: 79553, 79554, 79555, 79558, 79559, 93360, 93361, 93362 - Zanzibar (06 10 S 39 20 E): **ZMB**: 3087.

The Gambia:

Unknown locality: **BMNH**: 1976.387_1, 1976.387_2, 1978.99 - Kontaur (1337N 1454W): **BMNH**: 1949.483.

Togo:

no specific locality: **ZMB**: 54515, 62434, 85544, 85545, 85546, 85547, 85548, 85549, 85550.

Uganda:

Waisoke river (0146N 3133E): **ROM**: 46574.

Zambia:

Unknown locality: **TM**: 47503 - Loangwa valley (1310S 3130E): **BMNH**: 1909.12.4.3 - Luangwa (1307S 3145E): **BMNH**: 1966.5465, 1966.5467, 1966.5469, 1966.5470 - Mfuwe (1305S 3147E): **BMNH**: 1966.5462 - Munali (15.38S 28.35E): **ROM**: 73964 - Naleza (1527Ad): **UZMZ**: 018, 019, 217, 218, 445, 446, 447, 448, 62, 63, 64, 65 - Ndanda School (14.75S 23.75E): **NHMZ**: 33121 - Pwlra Pan (13.87S 27.87E): **NHMZ**: 63213 - Senenga, 50 km NE (15.62S 23.37E): **NHMZ**: 33129.

Zimbabwe:

Bubye R (22.35S 31.1E): **NHMZ**: 84209 - Chiredzi (21 03 S 31 40 E, 437 m): **NHMZ**: 59269 - Chizarira NP, HQ (17.5S 27.75E): **NHMZ**: 30774 - Fairbridge Park (18 5 22 S 32 38 39 E): **NHMZ**: 56444 - Gutu Mission (19.63S 31.17E): **NHMZ**: 31674 - Makonde Hill, Save Valley (20.0S 32.0E): **NHMZ**: 32972 - Mana Pools-NP (1543S 2925E): **TM**: 45055, 45056, 45060 - Musengezi River (16 15 S 30 45 E): **NHMZ**: 84393 - Mzola Camp (18.62S 27.37E): **NHMZ**: 32623 - Sengwa Wildlife Research Station (1810S 2813E): **TM**: 34893, 34894, 34896, 34897, 34898, 34899, 34902, 34903, 34904, 34952, 34953, 34954, 34955, 34956, 34957, 34976, 34977 - Zambezi Valley (15.75S 29.5E): **NHMZ**: 58681.

Vespertilioninae Gray, 1821

"Africa":

Lealné district: **MNHN**: ZM-MO-1920-109 B - Zambezi, Upper: **MNHN**: ZM-MO-1920-109 A.

Cameroon:

Kumba (04 38 38 N 09 26 19 E, 257 m): **YPM**: MAM 014641.

Djibouti:

Unknown locality: **MNHN**: ZM-MO-1893-345 - Obock (115747N 431726E, 0 m): **MNHN**: ZM-MO-1893-346, ZM-MO-1893-347, ZM-MO-1893-348, ZM-MO-1893-349.

Madagascar:

Bas Mangoky agricultural station (ca. 21 36 S 43 42 E): **MNHN**: ZM-MO-1985-417.

Niger:

Bourem (13 25 00 N 11 29 30 E): **MNHN**: ZM-MO-1985-1719.

Senegal:

Dagana (ca. 1630N 1530W): **ZMB**: 40530.

South Africa:
Unknown locality: **BMNH**: 1903.4.3.1, 1905.5.1.5 - Farm Tygerkloof 354 (24 41 40 S 27 12 33 E): **TM**: 45230 - Hanover (3107S 2422E): **SAMC**: 7378 - Mariepskop Research Station (2441S 3054E): **TM**: 42740 - N2 crosses Umhlanga River: **TM**: 43857 - Rocher Pan Nature Reserve [=Rocher pan, Rocherpan] (3237S 1822E): **SAMC**: 38556, 38557 - Sabie (2510S 3048E): **TM**: 43169.
Zimbabwe:
Unknown locality: **BMNH**: 1908.8.16.3.

Barbastella barbastellus (Schreber, 1774)

Morocco:
Afnourir, lake (33 17 N 05 15 W): **EBD**: MAM 25851 - Chechaouèn (35 10 17 N 05 16 11 W, 564 m): **EBD**: MAM 8970.
Spain:
Agulo: **EBD**: MAM 16024 (Paratype *Barbastella barbastellus guanchae*), MAM 16028 (Paratype *Barbastella barbastellus guanchae*); **MNH**: 110 (Paratype *Barbastella barbastellus guanchae*), 111 (Paratype *Barbastella barbastellus guanchae*) - Barranco de La Cantera (300 m): **MNH**: 109 (Holotype *Barbastella barbastellus guanchae*).

Barbastella leucomelas (Cretzschmar, 1826)

Egypt:
Arabia Petraea (south of line connecting Aqaba and Suez): **SMF**: 4373.

Eptesicus Rafinesque, 1820

"Africa":
Unknown locality: **ZMA**: MAM.26283.
Algeria:
Bechar, 8 km NE (3136N 0209W): **ROM**: 54778.
Angola:
Unknown locality: **MHNG**: 903.030.
Gabon:
Ipassa-Mpassa station (0034N 1252E): **MNHN**: ZM-MO-1985-1567.
Kenya:
Kongelai (0128N 3502E, 1350 m): **ROM**: 81351, 81353, 81359.
Namibia:
Namib Desert Research Station (233300S 150200E): **USNM**: 537299.
Senegal:
Diabane (1233N 1605W): **FMNH**: 128216, 128217, 128218, 128220.
Sudan:
Magangani (ca. 12 00 N 34 20 E): **MCZ**: 14612.
Tanzania:
Kafukola (08 05 00S 31 57 00 E, 1126 m): **HZM**: 1.2046, 2.2450, 3.2451.
The Gambia:
Walli Kunda, near (13 34 N 14 55 W): **HZM**: 4.15138, 5.15139.
Zambia:
Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 118512, 118513, 118514, 118515, 118516, 118517.

Eptesicus bottae (Peters, 1869)

Egypt:
Cairo (30 03 00 N 31 15 00 E, 22 m): **BMNH**: 1903.12.8.9 - Cairo, 20 km S (ca. 30 03 N 31 15 E): **BMNH**: 1919.7.7.3528 (Lectotype *Vesperugo (Vesperus) Innesi*); **ZMH**: 22078.
Yemen:
no specific locality: **MNHN**: ZM-MO-1987-297 (Holotype *Vesperus Bottae*).

Eptesicus floweri (de Winton, 1901)

Mauritania:
Ma?moûdé, lake (16 22 01 N 07 41 45 W): **EBD**: MAM 26179, MAM 26180.
Sudan:
Unknown locality: **BMNH**: 1915.3.6.68, 1915.3.6.71; **SMF**: 87530 - Abu Zeit (150418N 332330E): **BMNH**: 1900.8.6.20 - Kanisa Janu (181500N 314000E, 239 m): **BMNH**: 1915.3.6.69 - Khartoum, 100 mi S of: **AMNH**: 82343 - Kosti (131000N 324000E, 380 m): **AMNH**: 82344 - Sennaar, 20 mi [=30 km] above (ca. 13 35 N 33 38 E, 450 m): **BMNH**: 1915.3.6.70 (Holotype *Rhinopterus lowei*) - Shendy (16 41 29 N 33 26 03 E, 376 m): **BMNH**: 1901.5.5.78 - Wad Marium (ca. 15 25 N 32 25 E): **BMNH**: 1903.2.7.14 (Holotype *Glauconycteris Floweri*).

Eptesicus hottentotus (A. Smith, 1833)

Angola:
Capelopopo (ca. 15 43 S 12 57 E): **EBD**: MAM 22248, MAM 22249, MAM 22250 - Capolopop (ca. 1552S 1252E): **IICA**: 727, 728, 729 - Natundabala River [=Tunda Vala gorge] (ca. 14 49 S 13 23 E): **EBD**: MAM 22247.
Kenya:
Endoposei river (0147S 3604E): **ROM**: 71381, 71382 - Hells Gate Canyon (00 55 S 36 19 E): **CM**: 89000 (Holotype *Eptesicus hottentotus portavernus*) - Kilanguni (0255S 3755E): **ROM**: 80823 - Njerowa Gorge (00 54 S 36 19 E): **USNM**: 375919 - Rumurati, 64 km NW (0025N 3608E): **ROM**: 48591.

Lesotho:

Botsoela [= Malealea] (2950S 2715E): **NMB**: 8656 - Quacha's Neck [= White Hill] (3007S 2841E): **NMB**: 8342, 8343, 8344 - Quthing (3011S 2752E): **NMB**: 8176.

Malawi:

Chiromo, mount (ca. 1632S 3509E, 200ft): **BMNH**: 1922.12.17.39 - Mulanje Plateau (1552S 3537E, 4000ft): **BMNH**: 1892.8.1.8 - Ncheu [=Ntcheu] (14 49 S 34 38 E, 1081 m): **TM**: 9167 (Holotype *Eptesicus hottentotus bensoni*) - Zomba Plateau (15 22 S 35 19 E, 5000 ft): **BMNH**: 1892.8.1.9 - Zomba town (1523S 3519E, 800-900m): **BMNH**: 1892.8.1.10.

Mozambique:

Aldeia Chiuta [= Chiuta, Chuta] (153344S 331723E, 700m): **USNM**: 365430, 365431, 365432, 365433, 365434 - Manho Forest (15 22 09 S 37 03 40 E, 1750 m): **DNSM**: 9846.

Namibia:

Unknown locality: **LACM**: 59110 - Aus, 3 km W (26.65S 16.22E): **SMW**: 11154 - De Valle (24 18 S 16 18 E): **SMW**: 10544 - E. Kamombonde 86 (2130S 1556E): **AMNH**: 245635; **LACM**: 56269 - Farm Huns 106 (2723S 1723E): **TM**: 32695 - Farm Kanaän (2552S 1607E): **CM**: 46797, 46798, 46799, 46800, 46801, 46802, 46803, 46804, 46805, 46806; **TM**: 27418 - Farm Okandukaseibe 27 (2133S 1606E): **LACM**: 41677 - Farm Rheinvels (2657S 1726E): **TM**: 32565, 32566 - Farm Zwartmodder 101 (2454S 1617E): **TM**: 37588, 37624 - Klein Aus Farm 8 (2639S 1613E): **CM**: 93261; **TM**: 37539, 37540, 37551, 37552, 37553, 37554, 37555, 37560 - Kobos (2326S 1630E): **USNM**: 379803, 379804 - Namibia Desert Research Station [= DERU] (2333S 1503E): **NHMZ**: 64056, 64057; **USNM**: 342151 - Omaruru, 37 km N, 27 km W and 100 km W Eausiro (2058S 1518E): **LACM**: 52698, 56268 - Ombu (21 40 S 15 44 E): **AMNH**: 45635; **BRTC**: 20894; **SMF**: 19553; **TM**: 9480, 9481, 9482, 9484, 9485, 9486, 9487, 9488, 9489, 9491, 9492, 9493.

South Africa:

Anthrax camp (22 25 30 S 31 12 30 E): **TM**: 36805, 36806 - Black Eagle Lodge (23 00 39 S 29 45 49 E, 1350 m): **DNSM**: 13497, 13498 - Blouberg Private Nature Reserve] (23 02 S 29 07 E, 584 m): **DNSM**: 13636, 13638 - Buffelskloof Private Nature Reserve (25 18 S 30 30 E): **TM**: 46916 - Buzzard Mountain Retreat (23 01 S 29 46 E, 1008 - 1542 m): **TM**: 45354, 45355, 45356 - Cederberg, Algeria State Forest (3221S 1903E): **CM**: 94998, 94999, 95000 - Cederberg, Algeria State Forest, campsite (3221S 1903E): **SAMC**: 41418, 41419; **TM**: 35150, 38411, 38412, 40630, 40631 - Cederberg, Pakhuis Pass, Kliphuis camp site (320810.248S 190010.08E): **TM**: 47702 - Cederberg, Pakhuis Pass, Kliphuis camp site (320810S 190010E, 693m): **SAMC**: 41416 - Doornkraal campsite (27 30 27 S 31 12 25 E): **TM**: 31756 - Drakenburg Mountains: **BMNH**: 1881.7.11.1 - Farm Commissiesdrift 327JQ [=Commisiondrift] (2546S 2713E): **USNM**: 575298, 575299 - Farm Goodhouse 23 (28 54 S 18 1 5E, 210m): **KM**: 1986, 1987, 1988, 1989 - Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence (2213S 2922E): **TM**: 41419, 41421 - Farm Leelykstraat 320 (2911S 2218E): **MMK**: MAM/6994, MAM/6995, MAM/HW-993, MAM/HW-994, MAM/HW-995 - Farm Makapansgat 39KS (2408S 2911E): **TM**: 46877, 46878 - Farm Mimosa 454 (2812S 2318E): **MMK**: MAM/HW-1315 - Farm Onverwacht 544JT, Sjonajona (2545.628S 3042.076E): **TM**: 46608 - Figtree camp (222550S 311150E): **CM**: 93182; **TM**: 36111, 36857, 36879, 38167 - Garden Castle Nature Reserve (29 47 S 29 11 E, 1880 m): **DNSM**: 1887, 1888 - Hex River Estates (3330S 1935E): **KM**: 1984 (Holotype *Scotophilus angusticeps*), 1985 (Cotype *Scotophilus angusticeps*) - Kranskloof Nature Reserve (29 46 S 30 50 E, 434 m): **TM**: 40017 - Kudus Vlei farm (23 03 14 S 29 29 14 E, 956 m): **DNSM**: 13542 - Kuruman (2727S 2325E): **MMK**: MAM/2497 - l'extérieur de l'Áfrique méridionale: **RMNH**: MAM.35893 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **KNP**: 134; **TM**: 34239 - Marydale, 31 km NE (29.18S 22.3E): **MMK**: MAM/2432 - Norlim mine [=Buxton mine] (27 37 S 24 37 E, 1087 m): **KM**: 26030, 26031, 26032, 26033, 26034; **ZMA**: MAM.22663, MAM.22664, MAM.22665 - Rocher Pan Nature Reserve [=Rocher pan, Rocherpan] (3237S 1822E): **KM**: 26035 - Sterkfontein dam (2826S 2901E): **NMB**: 7840 - Table Mountain, Platteklip (3357S 1825E): **SAMC**: 37065 - Taung (27 32 00 S 24 48 00 E, 1101 m): **TM**: 48038, 48039 - Thabaphaswa (2403S 2902E): **TM**: 47960 - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein] (22 32 56 S 31 04 22 E): **TM**: 36780 - Vygeboom Dam (25 52 09 S 30 35 40 E, 1067 m): **DNSM**: 13390 - Wynberg (3401S 1828E): **TM**: 34323 - Wynberg cave (3401S 1828E): **SAMC**: UCT-5/8/1966.

Zambia:

Lundazi (12.3S 33.2E): **NHMZ**: 20242 - Sunza [=Sunzu] Mountain (0903S 3130E): **KM**: 9661.

Zimbabwe:

Chikupo Caves (1723S 3117E): **ROM**: 64583-b - Chikupo caves area (1735S 3135E): **ROM**: 64583 - Chizarira-Mcheni Gorge (1736S 2750E): **NHMZ**: 57442 - Crowborough SewageWorks (17.87S 30.9E): **NHMZ**: 80194 - Falcon College School, Mine shaft (2013S 2858E): **NHMZ**: 58196 - Lunare valley (2036S 2852E): **NHMZ**: 30022 - Nyadiri River, near bridge (1708S 3208E): **NHMZ**: 32580 - Nyamunyeche, Mvurwi (16.77S 30.95E): **NHMZ**: 56217 - Nyashato dam (1708S 3208E): **NHMZ**: 32571, 32572, 32573, 32574, 32575, 32576, 32577, 32578, 32579 - Peterhouse School (1812S 3137E): **HZM**: 1.7130; **NHMZ**: 58958, 58959, 58960 - Retreat Farm (2014S 3102E): **ROM**: 65002 - Shinda Estates (ca. 1918S 3248E): **NHMZ**: 58956 - Thornpark (17.62S 31.12E): **NHMZ**: 58962 - Vumba (19 07 S 32 44 E): **NHMZ**: 32279.

Eptesicus isabellinus (Temminck, 1840)

"Africa":

but almost certainly from Kashmir or N India: **BMNH**: 1873.4.16.19.

Algeria:

Algiers (36 45 47 N 03 03 02 E, 0 m): **ZMB**: 4791, 55185 - Heljani (3542N 0037W, 121 m): **MNHN**: ZM-MO-1985-659 - Laghouat (3349N 0255E, 750 m): **MNHN**: ZM-MO-1884-2014 - Misserghin (3538N 0043W): **HZM**: 53.22530 - Oran province: **SMF**: 59657 - Sidi Okba (3445N 0554E): **USNM**: 175049, 175050, 175051, 175052, 175053, 175054, 175055, 175056, 175057.

Libya:

Ar Sharsharah (32 32 00 N 13 34 00 E): **NMP**: 49950, 49951 - Leptis Magna: **NMP**: 49940, 49941 - Nanatalah (3155N 115306E): **NMP**: 49961 - Sabratah (32 47 31 N 12 29 05 E): **NMP**: 49976, 49977, 49979.

Morocco:

Unknown locality: **EBD**: MAM 27944 - Berkane (345516N 021946W, 179 m): **NMP**: 90086, 90087 - Chaouèn (35 10 17 N 05 16 11 W, 564 m): **EBD**: MAM 8972, MAM 8973 - Defilia Oasis (32 09 36 N 01 22 48 W, 958 m): **BMNH**: 1966.1150 - Figuig (320700N 011337W): **BMNH**: 1963.1585, 1963.1586 - Ijoukak (3100N 080936W, 1196 m): **ROM**: 80277 - Nafifik forest (3343N 0720W): **MNHN**: ZM-MO-1985-1051 - Rabat (34 00 50 N 06 50 39 W, 24 m): **ZMA**: MAM.25603, MAM.25604 - Souq l'Arba N. Ayt Ahmad (ca. 29 59 44 N 09 39 44 W): **EBD**: MAM 26014, MAM 26015.

Tunisia:
Djebel Rassas (3637N 1024E): **TTU**: 72289, 72290, 72291 - Djebel Zaghouan, 4 km W Poste Optique (3621N 1004E): **TTU**: 72283, 72284, 72285, 72286, 72287, 72288 - Gabès (3353N 1007E): **ZMB**: 54517, 54569 - Redeyef, 4 km S (ca. 3419N 0809E): **TTU**: 72274, 72275 - Sbeitla, pool 40 km NW (ca. 3521N 0926E): **TTU**: 72276, 72277, 72278, 72279, 72280, 72281, 72282 - Sidi Bou Zid governorate: **TTU**: 70947 - Sidi Bou Zid valley (3501N 0930E): **MNHN**: ZM-MO-1985-1983 - Tatahouine (3256N 1027E, 246 m): **TTU**: 72271, 72272, 72273.

Eptesicus platyops (Thomas, 1901)

Nigeria:
Lagos (0627N 0323E): **BMNH**: 1888.5.17.3.
Senegal:
Unknown locality: **RBINS**: 12426.

Glauconycteris Dobson, 1875

Congo (Democratic Republic of the):
Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 34077, 34093, 38732, 38733 - Ibembo (0238N 2337E, 420 m): **RMCA**: 89.004-M-0001 - île Mbiye (00 27 50 N 25 17 14 E, 413 m): **UNIKIS**: CHIM020/14 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.7.6.95; **RMCA**: 31573, 33351 - Uvira (032424S 290845E, 746 m): **RMCA**: 35692.
Gabon:
Moukalaba Reserve (0217S 1030E, 110 m): **FMNH**: 167774.
Guinea:
Conakry (093033N 134244W, 0 m): **MNHN**: ZM-MO-1896-28 A, ZM-MO-1896-28 B, ZM-MO-1896-28 C, ZM-MO-1896-29.
Kenya:
Unknown locality: **SMF**: 19864, 19865 - Karen (01 20 S 36 45 E, 1706-1829 m): **MSU**: MR.6157.
Liberia:
Bentor (07 34 27 N 08 39 37 W): **DNSM**: 13218.
South Africa:
Farm Commissiesdrift 327JQ [=Commisiondrift] (2546S 2713E): **USNM**: 575276.
South Sudan:
Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586741, 586748, 586753, 586758, 586760, 586772.

Glauconycteris alboguttata J.A. Allen, 1917

Cameroon:
Unknown locality: **USNM**: 598588 - Eséka, 5 km SW (ca. 0340N 1045E): **AMNH**: 236329 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55739 - Mawutu Village: **ROM**: 69128 - small Soppo (0407N 0912E): **ROM**: 68948.
Congo:
Lekoumou, airport road (02 45.724 S 13 34.953 E): **HZM**: 1.40172.
Congo (Democratic Republic of the):
Lukolela (01 03 00 S 17 12 00 E, 285 m): **RMCA**: 12175 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 49317 (Holotype *Glauconycteris alboguttatus*) - Melume (02 58 10 N 24 56 00 E, 508 m): **MNHN**: ZM-2016-2772, ZM-2016-2773, ZM-2016-2774, ZM-2016-2775 - Yalosemba (02 35 N 24 47 E, 422 m): **CM**: 86658 - Yangambi (00 47 00 N 24 28 00 E, 437 m): **RBINS**: 14516.

Glauconycteris argentata (Dobson, 1875)

"Africa":
Unknown locality: **MNHN**: ZM-MO-1892-1575 - East Africa: **BMNH**: 1974.592.
Angola:
Dundo (0722S 2050E, 726m): **MDL**: 5136, 5140 - Dundo (0724S 2047E, 726m): **FMNH**: 66529, 66530, 66531.
Burundi:
Rumonge (03 58 20 S 29 26 20 E, 809 m): **MHNG**: 1607.090, 1607.091.
Cameroon:
Ajos Höhe [=Ayos Heights] (0354N 1231E): **ZMB**: 67657 - Bafut (0605N 1006E, 1231 m): **ROM**: 55880, 55881 - Bipindi, 10 km W (0305N 1025E, ca. 300 m): **ROM**: 56242 - Eséka (0340N 1045E): **AMNH**: 236324, 236325, 236326, 236327, 236328 - Kribi (0255N 0955E): **ROM**: 54932 - Kribi, 8 km SE (0256N 0956E): **ROM**: 56275 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55648 - Mawutu Village: **ROM**: 69129 - Mount Cameroon (0413N 0910E): **BMNH**: 1871.7.10.5 (Holotype *Chalinolobus argentatus*) - Ndian [river] (0445N 0844E): **ZMB**: 6946a - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 56151.
Congo:
Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1892-1574 - N'Gabi (031253S 161025E, 151 m): **AMNH**: 120327, 120328, 120329, 120330, 120331, 120332, 120333, 120334, 120335, 120336, 120337, 120338.
Congo (Democratic Republic of the):
Unknown locality: **RMCA**: 28921; **SMF**: 11850 (Paralectotype *Chalinolobus congicus*), 11851 (Paralectotype *Chalinolobus congicus*), 11852 (Paralectotype *Chalinolobus congicus*), 11853 (Paralectotype *Chalinolobus congicus*), 11854 (Paralectotype *Chalinolobus congicus*), 11855 (Paralectotype *Chalinolobus congicus*) - Banana (060100S 122400E, 0 m): **BMNH**: 1954.863; **RMCA**: 20751, 20752, 21376 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 34160 - Boga (01 03 00 N 29 56 00 E, 1562 m): **RMCA**: 1862 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 21412, 21413, 21414, 21415, 22135 - Bokungu (004100S 221900E, 402 m): **RMCA**: 18713, 18714 - Boma (0551S 1303E, 61 m): **RMCA**: 6571a, 6572, 6573a, 6574, 6575, 6576, 7250 - Bushushu (02 01 00 S 28 54 00 E, 1455 m): **RMCA**: 33532 - Butembo (0009N 2917E, 1381 m): **RMCA**: 22723a, 22816, 22817, 22818 - Djeka (024700S 235500E): **RMCA**: 23635,

23636, 23637, 23638, 23639 - Fatakit (02 00 N 30 34 E, 1611 m): **RBINS**: 18526.01, 18526.02, 18526.03, 18526.04, 18526.05, 18526.06, 18526.07, 18526.08, 18526.09, 18526.10, 18526.11, 18526.12, 18526.13, 18526.14, 18526.15, 18526.16, 18526.17, 18527.1, 18527.2, 18527.3, 18527.4 - Ikela (011100S 231600E, 425 m): **BMNH**: 1959.510; **RMCA**: 25827, 25832, 25833, 25834, 27022 - Inkongo (04 53 00 S 23 18 00 E, 400 m): **RMCA**: 12060 - Jiba (015200N 304200E, 2123 m): **RMCA**: 21444, 21448, 81.012-M-0041 - Jiba Risasi (015200N 304200E, 1800 m): **BMNH**: 1953.491 - Jiba Trisasi (015200N 304200E, 1800 m): **RMCA**: 21441 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 32862a, 32862b - Kisantu (050700S 150500E, 421 m): **RMCA**: 7314b - Kivu region: **SMF**: 31836 - Korovi, mount (013900N 303600E, 2010 m): **RMCA**: 23274, 23275, 23276, 23277 - Lemera (020808S 284941E, 2281 m): **RMCA**: 35690 - Lodja (03 29 00 S 23 26 00 E, 450 m): **RMCA**: 88.011-M-0015 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 7570 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **USNM**: 535398 - Mbiye, island (00 27 50 N 25 17 14 E, 413 m): **MNHN**: ZM-2016-2780 - Mboga (01 03 N 29 56 E, 1562 m): **BMNH**: 1930.11.11.178, 1930.11.11.179, 1930.11.11.180 - Melume (02 58 10 N 24 56 00 E, 508 m): **MNHN**: ZM-2016-2779 - Misu (014500N 301800E): **RMCA**: 21440, 21443, 21447 - Mount Wago (014500N 304000E, 2240 m): **BMNH**: 1953.487, 1953.488; **RBINS**: 21669; **RMCA**: 20802, 21467, 21476, 21477 - Mwanda (02 13 00 S 28 51 00 E): **RMCA**: 28027, 28910, 28911 - Netonna (05 58 S 12 27 E): **SMF**: 2516 (Lectotype *Chalinolobus congicus*), 2517 (Paralectotype *Chalinolobus congicus*), 2518 (Paralectotype *Chalinolobus congicus*), 2519 (Paralectotype *Chalinolobus congicus*), 2520 (Paralectotype *Chalinolobus congicus*), 2521 (Paralectotype *Chalinolobus congicus*), 2522 (Paralectotype *Chalinolobus congicus*) - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V1599 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 15375, 7175 - Sukisa (02 19 05 N 24 59 17 E, 470 m): **MNHN**: ZM-2016-2776, ZM-2016-2777, ZM-2016-2778 - Tandala (02 58 00 N 19 21 00 E, 456 m): **MHNG**: 1870.074 - Uvira (032424S 290845E, 746 m): **RMCA**: 35691 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 89.020-M-0048 - Wago (mount) (014500N 300400E, 2240 m): **RMCA**: 23273 - Wasa (0144N 3039E, 1386 m): **RMCA**: 21442, 21445, 21446, 21449 - Wasa Wago Forest (0144N 3039E, 1386 m): **BMNH**: 1953.489, 1953.490; **RMCA**: 21439.

Kenya:

Unknown locality: **BMNH**: 1975.2596, 1975.2597_1, 1975.2597_2, 1975.2598, 1975.2599, 1975.2600, 1975.2601_1, 1975.2601_2, 1975.2601_3, 1975.2601_4, 1975.2601_5, 1975.2601_6, 1975.2601_7; **RMNH**: MAM.27141, MAM.27142, MAM.27143, MAM.27144 - Endebess (0104N 3451E): **ROM**: 67948, 67949 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 50456, 50463, 50470, 50480, 50501, 50502, 50503, 50504, 65961, 66027, 66028, 66029, 75536, 75543, 75546, 75547, 75557, 75558, 75559, 75561, 75565, 75566, 75569, 81302 - Kakamega Forest Station, 1 mi NE (0017N 3447E, 1615 m): **FMNH**: 152693, 152694 - Kapenguria (011400N 350700E, 1829 m): **ROM**: 65917, 65918 - Karen (01 20 S 36 45 E, 1706-1829 m): **FMNH**: 152691; **ROM**: 81200, 81201, 83013; **WNMU**: 79 - Karen, near (ca. 01 20 S 36 45 E): **CAS**: 12552 - Kikuyu (0115S 3640E, 1931 m): **MCZ**: 31879, 31882, 31883, 31885, 31886, 31887, 32052, 32053, 32054, 32055, 32056, 32057; **USNM**: 268759 - Langata (01 24 S 36 46 E, 1731 m): **ROM**: 63788, 63790, 63814, 63815, 63816, 63817, 63818, 63819, 63853, 63854 - Mathaiga (ca. 011700S 364900E): **WNMU**: 387 - Muthaiga (0115S 3650E, 1694 m): **FMNH**: 152692 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **FMNH**: 152688; **ROM**: 36386, 36387, 36388, 36389, 36390, 68513, 68514, 68515, 68516, 68517, 68518, 68519, 68520, 68521, 68522, 68523, 68524, 83012; **WNMU**: 6812 - Ngong (01 22 00 S 36 39 00 E, 1829 m): **FMNH**: 152689, 152690; **ROM**: 36384, 36385, 83011, 91238 - Norogoro: **USNM**: 219327, 219328 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 71033, 71061, 71062, 71063.

Rwanda:

Astrida (023550S 294420E, 1733 m): **RMCA**: 18993 - Kidaho (012212S 294433E, 1944 m): **RMCA**: 87.046-M-0347, 87.046-M-0348 - Kissenji [=Gisenyi] (014115S 291517E, 1450 m): **ZMB**: 37016.

South Sudan:

Yambio (0434N 2821E): **ROM**: 72103.

Tanzania:

Unknown locality: **BMNH**: 1924.1.1.41, 1924.1.1.42, 1924.1.1.43, 1924.1.1.44, 1924.1.1.45, 1924.1.1.46, 1924.1.1.48, 1924.1.1.49, 1924.1.1.63, 1924.1.1.64, 1924.1.1.65, 1966.3478, 1966.3480, 1966.3481, 1966.3482, 1966.3483, 1966.3484, 1966.3485, 1966.3486 - Ambangulu Estate (05 05 S 38 26 E, 1300 m): **FMNH**: 147227 - Bulwa Tea Estate (050000S 383800E, 1000 m): **FMNH**: 150074 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 151428 - Gonja Forest Reserve (04 16 S 38 02 E, 550 m): **FMNH**: 151197, 151198, 151199, 151429, 151430 - Kilosa (06 50 S 36 59 E, 572 m): **FMNH**: 29031, 48745, 48746, 48747, 48748, 48749, 48750, 48751; **MCZ**: 22814, 22815; **ROM**: 78357; **USNM**: 297476, 297477, 297478 - Kilossa (06 50 00 S 36 59 00 E, 572 m): **AMNH**: 55544, 55545, 55546, 55547, 55548, 55549, 55550 - Kindoroko Forest Reserve (0346S 3739E, 1688 m): **FMNH**: 192676 - Lake Duluti (0323S 3647E): **ROM**: 69191 - Morogoro (06 48 S 37 40 E, 560 m): **AMNH**: 42201, 42205; **MCZ**: 22816, 22817 - Mwaya, southwestern (ca. 09 33 S 33 57 E): **MCZ**: 26227, 26228, 26229 - Pwani region: **SMF**: 79566 - Rungwe District (09 15 00 S 33 40 00 E, 5000 ft): **AMNH**: 81386, 81387 - Tanga region: **SMF**: 79565, 86387, 92499, 92500, 92501, 93364.

The Gambia:

Maka (13 42 N 14 53 W, 11 m): **MCZ**: 8866.

Uganda:

Budongo Forest (014416N 313322E, 4000 ft): **ROM**: 40095, 40096 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 152695, 152696 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 40097 - Bunyoro (0145N 3135E, 1372 m): **ROM**: 48706.

Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017

Congo (Democratic Republic of the):

Yaengo (00 20 56 N 24 28 55 E, 400 m): **MNHN**: ZM-2016-2791, ZM-2016-2792 (Holotype *Glauconycteris atra*) - Yatolema (00 21 22 N 24 31 09 E, 508 m): **MNHN**: ZM-2016-2790, ZM-2016-2793 - Yoko (00 17 N 25 17 E): **MNHN**: ZM-2016-2794.

Glauconycteris beatrix Thomas, 1901

Angola:

Canzele (08.38S 15.13E): **FMNH**: 81686.

Cameroon:
Baro (05 15 N 09 13 E): **CM**: 108030 - Big farm, Mungo River, east bank (0421N 0930E): **ROM**: 68875 - Eshobe (05 47 N 09 23 E, 538 m): **BMNH**: 1948.713 - Kumba (04 38 38 N 09 26 19 E, 257 m): **USNM**: 511928, 511929 - Nki National Park (02 28 50 N 14 28 10 E): **HNHM**: 23262.
Central African Republic:
Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268387, 268388, 269872, 269876.
Congo:
Lekoumou, airport road (02 45.724 S 13 34.953 E): **HZM**: 1.40181.
Congo (Democratic Republic of the):
Aketi (02 50 N 23 56 E, 500 m): **UNIKIS**: AKETI604 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 49014 - Bongandjola (01 45 17 N 25 31 04 E, 508 m): **MNHN**: ZM-2016-2781 - Ibembo (0238N 2337E, 420 m): **RMCA**: 20065 - Irangi (0154S 2827E): **BMNH**: 1962.1847, 1963.1172; **RMNH**: MAM.16362, MAM.16363; **SMF**: 7940, 79439, 79440 - Kimbinga market (05 08 00 S 19 03 00 E, 585 m): **MSB**: 274578; **RMCA**: 97.021-M-0810 - Mbiye, island (00 27 50 N 25 17 14 E, 413 m): **MNHN**: ZM-2016-2786 - Melume (02 58 10 N 24 56 00 E, 508 m): **MNHN**: ZM-2016-2782, ZM-2016-2783 - Paulis (0246N 2737E, 730 m): **RMCA**: 19820 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 89.020-M-0044, 91.076-M-0052, 91.076-M-0057, 91.076-M-0058, 91.076-M-0074, 91.076-M-0076 - Yatolema (00 21 22 N 24 31 09 E, 508 m): **MNHN**: ZM-2016-2784, ZM-2016-2785 - Yoko (00 17 N 25 17 E): **MNHN**: ZM-2016-2787, ZM-2016-2788, ZM-2016-2789.
Côte d'Ivoire:
Unknown locality: **SMF**: 91987, 91988, 91989.
Equatorial Guinea:
Benito River, 15 mi [= 24 km] from mouth: **BMNH**: 1898.5.4.19 (Holotype *Glauconycteris beatrix*).
Gabon:
M'Bari site (0152S 0953E): **USNM**: 584723 - N'dende (02 23 S 11 23 E, 541 m): **FMNH**: 73840.
Ghana:
Subinja (07 44 N 02 04 W, 290 m): **USNM**: 420078.
Kenya:
Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 50462, 50505.
Nigeria:
Okomu (061557N 050614E, 26 m): **ROM**: 79195.
South Sudan:
Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586740.
Uganda:
Unknown locality: **BMNH**: 1906.3.8.13.

Glauconycteris cf. beatrix Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017

Côte d'Ivoire:
Parc National de Mont Peko (06 56 N 07 10 W): **ROM**: 100527, 100528, 100531, 100534, 100578.

Glauconycteris curryae Eger and Schlitter, 2001

Cameroon:
Amban, 13 km S, 8 km E (02 16 N 11 21 E): **CM**: 58540 - Bipindi, 10 km W (03 05 N 10 25 E, ca. 300 m): **ROM**: 56243 (Holotype *Glauconycteris curryi*) - Eséka (03 39 N 10 46 E, 245 m): **AMNH**: 236323 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55647 - Njombo River (03 39 N 11 58 E, 457 m): **ROM**: 57217.
Congo (Democratic Republic of the):
Bongandjola (01 45 17 N 25 31 04 E, 508 m): **MNHN**: ZM-2016-2795 - Mbiye, island (00 27 50 N 25 17 14 E, 413 m): **MNHN**: ZM-2016-2798 - Yaengo (00 20 56 N 24 28 55 E, 400 m): **MNHN**: ZM-2016-2796 - Yalosemba (02 35 N 24 47 E, 422 m): **CM**: 86663 - Yatolema (00 21 22 N 24 31 09 E, 508 m): **MNHN**: ZM-2016-2797 - Yoko (00 17 N 25 17 E): **MNHN**: ZM-2016-2799.
Gabon:
M'Bari site (0152S 0953E): **USNM**: 584724.

Glauconycteris egeria Thomas, 1913

Cameroon:
Bibundi (0413N 0859E): **BMNH**: 1912.12.13.3 - Boteke Village (0406N 0912E): **ROM**: 69080, 69081 - Meanja (0416N 0924E): **ROM**: 69092.
Central African Republic:
Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268381, 268382, 268383; **MNHN**: ZM-2016-2801 - Mbaéré-Bodingué Reserve (03 53 N 17 15 E): **MNHN**: ZM-2016-2800.
Uganda:
Budongo Forest (0146N 3133E, 1100 m): **ROM**: 59138 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 46641.

Glauconycteris gleni Peterson and Smith, 1973

Cameroon:
Lomié (03 10 N 13 34 E, 611 m): **ROM**: 57125.
Tanzania:
Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **FMNH**: 192939, 192940, 192941, 193056, 193057, 193058.

Glauconycteris humeralis J.A. Allen, 1917

"Africa":
Unknown locality: **ZMA**: MAM.24589.

Congo (Democratic Republic of the):
Unknown locality: **BMNH**: 1990.0233 - Avakubi, near (01 20 N 27 35 E): **HZM**: 1.8023 - Epulu, 2 km W (ca. 012345N 283440E, 750 m): **FMNH**: 149417, 149418, 149419 - Irangi (0154S 2827E): **SMF**: 64984, 64985, 64986 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 49012, 49013 (Holotype *Glauconycteris humeralis*), 49312, 49315 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86152 - Sukisa (02 19 05 N 24 59 17 E, 470 m): **MNHN**: ZM-2016-2802 - Yalosemba (02 35 N 24 47 E, 422 m): **CM**: 110209.

Kenya:
Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 50506, 50519, 65962, 65963, 68425, 73151, 75525 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 71060 - Salazar Trail (00 20 06 N 34 52 26 E): **MMU**: PWW2925.

Tanzania:
Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **FMNH**: 192942, 192943, 192944, 192945, 192946, 193059, 193060, 193061, 193062, 193063, 193064.

Uganda:
Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 152703 - Budongo Forest (0146N 3133E, 1372 m): **ROM**: 46461, 46514, 46515, 46642, 46643 - Budongo Forest Royal mile Forest (0142N 3132E): **FMNH**: 165168 - Wasa River (010200N 303000E): **BMNH**: 1930.11.11.173, 1930.11.11.174, 1930.11.11.175.

Glauconycteris kenyacola Peterson, 1982

Kenya:
on Galole Road (013013S 400144E): **ROM**: 71305.

Glauconycteris machadoi Hayman, 1963

Angola:
Lake Calundo [= Lac Calundo] (1148S 2052E, 1150m): **BMNH**: 1962.2074.

Glauconycteris poensis (Gray, 1842)

Benin:
Mono province: **USNM**: 438951.

Cameroon:
Buea station, 2 km S (0409N 0912E): **ROM**: 68929 - Douala-Edéa Game Reserve (03 30 N 09 50 E): **MSB**: 37708 - Victoria (04 00 36 N 09 09 36 E): **SMF**: 28245, 28246, 28247.

Congo (Democratic Republic of the):
Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 21684 - Busu Mokalu (02 20 00 N 20 15 00 E): **RMCA**: 18092 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49066 - Irangi (0154S 2827E): **SMF**: 64987.

Côte d'Ivoire:
Unknown locality: **SMF**: 91990; **USNM**: 429953, 429954, 429955, 468192 - Abidjan (05 20 28 N 04 01 41 W, 74 m): **BMNH**: 1969.26 - Parc National de Mont Peko (06 56 N 07 10 W): **ROM**: 100515, 100544, 100545.

Ghana:
Unknown locality: **BMNH**: 1972.190, 1972.190_1, 1972.190_2 - Berekuso (0545N 0013W, 160 m): **USNM**: 412161 - Berekuso, 1 mi N (0546N 0013W): **USNM**: 412162, 412163, 412164, 412165, 412166, 412167 - Butre (0449N 0155W): **USNM**: 414246, 414247, 414248 - Draw River FR (0512N 0224W): **ZFMK**: 2003.1027 - Kumasi, 17 mi [=27 km] from (06 39 N 01 22 W, 217 m): **ROM**: 51632 - Leklebi Agbesia (0656N 0029E): **USNM**: 424889, 424890, 424891, 424892, 424893, 424894, 424895, 424896, 424897, 424898, 424899, 479527, 479528, 479529, 479530, 479531, 479532, 479533 - Nkawkaw (06 33 N 00 46 W, 253 m): **USNM**: 412160 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 55753 - Prestea, 32 mi W (0523N 0228W): **USNM**: 414245.

Liberia:
Unknown locality: **AMNH**: 257095 - Cuttington University College (07 02 24 N 09 33 15 W): **AMNH**: 276138 - Kluga Mountains (0825N 0945W): **AMNH**: 257093 - Mount Nimba (07 30 N 08 30 W): **DNSM**: 14186, 14187, 14188 - Saniquellie (072144N 084222W, 671 m): **AMNH**: 257094 - Zozoma (082500N 094700W): **AMNH**: 257089, 257090, 257091, 257092.

Nigeria:
Abo: **BMNH**: 1842.11.4.33 (Holotype *Kerivoula poensis*) - Ifon (06 55 27 N 05 46 34 E, 162 m): **FMNH**: 42610, 42611, 42612, 42613, 42614 - Ogoja County (ca. 0639N 0848E): **AMNH**: 273244.

Senegal:
Koutango (13 40 N 16 05 W, 20 m): **MNHN**: ZM-MO-1995-1829.

Sierra Leone:
Unknown locality: **BMNH**: 1896.12.31.2, 1901.5.7.1, 1904.11.1.1, 1950.1911, 1950.1912, 1950.1913, 1950.1914, 1950.1915, 1950.1916, 1950.1917, 1950.1918, 1950.1919, 1950.1920, 1950.1921, 1950.1922, 1950.1923, 1950.1925, 1950.1926, 1950.1927, 1950.1928, 1950.1929, 1950.1942, 1950.1943, 1950.1945, 1950.1946, 1950.1947, 1950.1948, 1950.1949, 1950.1950, 1966.3479 - Njala (08 07 04 N 12 05 04 W, 67 m): **AMNH**: 219139; **ROM**: 51043, 51044 - Segbwema (0759N 1057W): **USNM**: 462854, 462855.

South Sudan:
Bangangai Game Reserve, location 1 (04 54 20 N 27 42 19 E, 698 m): **USNM**: 586596, 586597, 586598, 586599, 586600, 586601 - Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586750.

Tanzania:
Kilimanjaro, Mount (030400S 372200E, 4500 ft): **AMNH**: 219772, 219773, 219774 - Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **FMNH**: 192947, 192948, 192949, 192950, 193065, 193066, 193067, 193068, 193069.

Togo:
Adjido (07 30 00 N 01 11 00 E, 186 m): **RMCA**: 73.054-M-0207 - Fazao (08 42 00 N 00 47 00 E, 593 m): **RMCA**: 73.011-M-0371 - Gbatope (06 26 N 01 17 E): **USNM**: 437777, 437778 - Lomé (06 07 55 N 01 13 22 E, 63 m): **SMF**: 44808; **SMNS**: 2922d, 2922e, 2922g - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.011-M-0368, 73.011-M-0369, 73.013-M-0245, 73.013-M-0246, 73.013-M-0247, 73.013-M-0248, 73.013-M-0249, 73.013-M-0250, 73.013-M-0251, 73.013-M-0252, 73.013-M-0253, 73.013-M-0254.

Glauconycteris superba Hayman, 1939

Congo (Democratic Republic of the):
île Mbiye (00 27 50 N 25 17 14 E, 413 m): **RMCA**: a1.097-M-3153; **UNIKIS**: ABCHIM01 - Mbiye, island (00 27 50 N 25 17 14 E, 413 m): **MNHN**: ZM-2016-2803, ZM-2016-2804, ZM-2016-2805, ZM-2016-2806 - Pawa (02 31 36 N 27 42 10 E, 696 m): **RMCA**: 14765 (Holotype *Glauconycteris superba*) - Yoko (00 17 N 25 17 E): **MNHN**: ZM-2016-2807.
Côte d'Ivoire:
Matonguiné (07 17 20 N 08 02 17 W, 356 m): **RMCA**: 97.077-M-7719.
Ghana:
Oda (05 55 N 00 56 W, 122 m): **BMNH**: 1947.10 (Holotype *Glauconycteris superba sheila*).
South Sudan:
Andari Payam, Bangangai Game Reserve, location 7 (04 52 28 N 27 40 53 E, 694 m): **USNM**: 586766 - Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586592, 586745, 586747.

Glauconycteris variegata (Tomes, 1861)

Angola:
Dundo (0724S 2047E, 726m): **FMNH**: 66528.
Benin:
Unknown locality: **MNHN**: ZM-MO-1912-442, ZM-MO-1913-1 - Segbana (1056N 0342E): **USNM**: 421480, 421481.
Botswana:
Kurunxaraga (19.67S 22.83E): **NHMZ**: 59225 - Shakawe, 70 km SW (18 33 S 21 01 E): **NHMZ**: 64053 - Xugana (19.08S 23.1E): **USNM**: 518696 - Xugana (1905S 2306E, 975 m): **USNM**: 518697.
Cameroon:
Kribi (025700N 095500E, 13 m): **MNHN**: ZM-MO-1985-498, ZM-MO-1985-499, ZM-MO-1985-500, ZM-MO-1985-501, ZM-MO-1985-502 - Sakbayeme (0402N 1034E): **MCZ**: 19394 - Sangmelima (0256N 1159E): **MCZ**: 34030.
Central African Republic:
Bohou River (ca. 06 32 47 N 23 24 46 E): **MNHN**: ZM-MO-2000-1017.
Congo:
Majumba (0430S 1230E): **MNHN**: ZM-MO-1884-749, ZM-MO-1884-750.
Congo (Democratic Republic of the):
Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 49069, 49070, 49347 - Boma (0551S 1303E, 61 m): **RMCA**: 16229, 16230, 6566, 6567, 6568, 6569, 6571b, 7635, 7636, 7637, 7638, 7639 - Boteka (00 20 00 S 19 06 00 E, 333 m): **RMCA**: 85.052-M-0003 - Elisabethville (114000S 272600E, 1209 m): **RMCA**: 12662 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49058, 49059, 49060, 49061, 49062, 49063, 49064, 49065, 49067, 49068, 49195, 52116, 52117, 52118; **FMNH**: 43872; **MCZ**: 17382, 17383; **RMCA**: 12381 - Kashwa (00 47 S 29 12 E, 1797 m): **INPBC**: W1519; **RMCA**: 37167, 37168 - Katanda (00 50 54 S 29 22 08 E, 975 m): **INPBC**: W548, W549 - Kwamouth (03 10 00 S 16 12 00 E, 146 m): **RMCA**: 6570a - lake Tanganyika, NW bank (ca. 03 20 S 29 12 E): **ZMB**: 72234 - Moanda (05 56 00 S 12 21 00 E, 0 m): **RMCA**: 16489 - Mpala (06 45 S 29 31 E, 774 m): **INPBC**: 14517, 14518; **RBINS**: 14517, 14518 - Mukishi (station) (08 29 35 S 24 43 37 E): **RMCA**: 16213 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 49056, 49313, 49341; **FMNH**: 43871; **RMCA**: 12382 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7118.
Côte d'Ivoire:
Unknown locality: **SMF**: 91991, 91992, 91993.
Ethiopia:
Unknown locality: **BMNH**: 1970.487.
Gabon:
Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1985-1920.
Ghana:
Unknown locality: **BMNH**: 1976.780 - Mole National Park (0950N 0149W): **BMNH**: 1970.780 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424900 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 420077.
Kenya:
Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **AMNH**: 238490; **ROM**: 79815, 81306, 81307, 81308, 81309 - Kakamega Forest, 12.8 km SE (001600N 345300E): **ROM**: 91237 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **ROM**: 68487 - Western (former) province: **CM**: 97983.
Mozambique:
Coguno (24.55S 34.38E): **USNM**: 304844 - Mongue (234133S 352219E): **BMNH**: 1955.409 - Save River, south of bridge on EN1 (21 10 33 S 34 44 47 E, 52 m): **DNSM**: 9374.
Namibia:
Otjoro [=Otjihoro] (2215S 1610E): **BMNH**: 1907.1.1.437 (Syntype *Scotophilus variegatus*), 1907.1.1.438 (Syntype *Scotophilus variegatus*); **ZMB**: 3033 - Rundu, SE (18.1S 20.38E): **KM**: 1946 - Xnmakora (18.38S 19.38E): **SMW**: 8162.
Nigeria:
Dikwa, 31 mi NE (1201N 1355E): **USNM**: 378863, 378864, 378865.
Senegal:
Khombeul (14 46 N 16 42 W, 18 m): **MNHN**: ZM-MO-1995-1821 - Mount Assirik (12 53 N 12 43 W): **IVB**: S1767 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1995-1822.
Somalia:
Mogadischu [=Mogadishiu =Moqdisho] (0204N 4522E): **ZMB**: 54045.

South Africa:

Unknown locality: **BMNH**: 1935.9.1.21 - Dukuduku Forest (28 23 00 S 32 19 00 E): **TM**: 40416 - Durban North (29 48 00 S 31 02 00 E, 70 m): **DNSM**: 13405 - Durban North (29 48 00 S 31 02 00 E, 95m): **DNSM**: 6861 - Figtree camp (222550S 311150E): **TM**: 37845 - Futululu Research Station (28 25 S 32 16 E, 45 m): **DNSM**: 1023 - Hlabisa (28.18S 31.95E): **KM**: 25971 - Kabbefontein (ca. 23 03 S 29 54 E): **TM**: ? - Kosi Bay Nature Reserve (26 57 21 S 32 49 25 E, 39 m): **DNSM**: 7037 - Kruger NP, Mockford's orchard, on Levubu River (2226S 3119E): **SNP**: CHIR. NKW 105, CHIR. NKW 124; **TM**: 29882 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 34261 - Namaba (2732Ad): **TM**: 6075 - Ndumo Game Reserve (26 52 00 S 32 15 00 E): **ROM**: 41730 - New Figtree Forest (22 25 S 31 18 E): **TM**: 37223 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36538, 36539 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 48494, 48495, 48496 - Pafuri area (222530S 311230E): **AMNH**: 257397 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 29899, 38519, 38520 - Pafuriv area (II) (22 27 S 31 18 E): **KNP**: 124 - Port Durnford (28 54 00 S 31 49 00 E, 41 m): **KU**: 135870 - Rocktail Bay (27 13 17 S 32 47 36 E): **TM**: 48611, 48630, 48641 - St. Lucia Crocodile centre (28 23 S 32 25 E, 20 m): **TM**: 40164 - W.N.L.A. Garden, Pafuri (22 24 10 S 31 15 12 E): **KNP**: 105.

South Sudan:

Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586595, 586746, 586751, 586756, 586759, 586762, 586769, 586770 - Juba (0450N 3135E): **MSU**: MR.33432, MR.33433, MR.33434 - Kabi stream (03 56 52 N 31 34 41 E, 929 m): **USNM**: 587654, 587664, 587680, 587682, 587684, 587688 - Kangapo Two Payam (03 43 45 N 31 34 17 E, 769 m): **USNM**: 587727, 587729, 587730, 587731, 587733, 587734 - Kijiri Village (03 45 00 N 31 35 00 E, 897 m): **USNM**: 587745 - Kinyiba-Bekat, ca. 1 km W of town center (03 49 45 N 31 35 14 E, 914 m): **USNM**: 586594 - Mogiri, NW of town (03 56 52 N 31 34 40 E, 929 m): **USNM**: 586593 - Namaku Boma (04 40 47 N 28 13 16 E, 661 m): **USNM**: 586718 - Tonj (0715N 2845E): **ROM**: 72075, 72079 - Unknown province: **USNM**: 590905 - Yambio (0434N 2821E): **ROM**: 72089.

Sudan:

Fashoda, near: **BMNH**: 1915.3.6.67 (Holotype *Glauconycteris phalæna*) - Khartoum (15 35 17 N 32 32 03 E, 377 m): **ZMA**: MAM.22180.

Tanzania:

Unknown locality: **BMNH**: 1952.1319, 1952.1320, 1952.1321, 1952.1323, 1952.1324, 1952.1325, 1952.1326, 1952.1327, 1952.1328, 1952.1329 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **ZMB**: 20574 - Arusha region: **SMF**: 79569 - Kilosa (06 50 S 36 59 E, 572 m): **MCZ**: 22813 - Kiswawe: **ZFMK**: 1922.0860 - Lindi region: **SMF**: 79570 - Mikumi National Park (07 15 00 S 37 05 00 E, 876 m): **FMNH**: 182519 - Morogoro region: **SMF**: 82532, 89689 - Namakutwa Forest Reserve (081500S 390022E): **FMNH**: 183242 - Pwani region: **SMF**: 79567 - Tanga region: **SMF**: 79568, 93365 - Tanganyika, lake: **ZMB**: 67655 - Utete (0759S 3847E): **ZMB**: 67654.

Togo:

Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0900, 73.013-M-0990.

Uganda:

Bukakata (0018S 3158E): **FMNH**: 149694 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 40141, 40142 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **BMNH**: 1899.8.4.14 (Holotype *Glauconycteris papilio*); **ZMB**: 67656 - V.R.I. (ca. 0004N 3227E, 4000 ft): **AMNH**: 184228.

Zambia:

Blue Lagoon ranch (1527S 2720E): **CAS**: 15112 - Fort Jameson (1338S 3239E): **NHMZ**: 20039 - Kafue R (13.4S 27.82E): **NHMZ**: 64054 - Lukanga Swamp: **BMNH**: A-1503, A-1735 - Pwira Pan (1354S 2751E): **NHMZ**: 20322, 22806 - Zimba,19 km away (17.13S 26.38E): **NMZL**: 2630.

Zimbabwe:

Unknown locality: **BMNH**: 1955.1095 - Chikwarakwara (22.35S 31.1E): **NHMZ**: 60518 - Hwange NP, Main Camp (18.73S 26.95E): **NHMZ**: 60517 - Lake Mcllwaine (17.9S 30.78E): **NHMZ**: 59227 - Save-Lunde R Confluence, Marhumbini (21.28S 32.38E): **NHMZ**: 60522 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 30064 - Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 88425 - Tetse fly gate: **TM**: 45076 - Volunteer Farm, Main Camp (18.82S 27.63E): **NHMZ**: 32055 - Wankie-NP (1845S 2658E, 914 m): **FMNH**: 152697, 152698, 152699, 152700, 152701, 152702; **WNMU**: 6183.

Hypsugo Kolenati, 1856

Guinea:

Canga-Moribadou Road, 2nd bridge on (08 35 36 N 8 51 26 W, 750 m): **ZFMK**: 2009.0032 - Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0295 - Tourela, 2.3 km E (08 30 32 N 08 57 00 W, 621 m): **ZFMK**: 2008.0296 - Western Spur Valley (08 33 26 N 08 55 16 W, 900 m): **ZFMK**: 2009.0029.

Kenya:

Unknown locality: **RMNH**: MAM.27130, MAM.32098.

Hypsugo anchietae (Seabra, 1900)

Angola:

Unknown locality: **BMNH**: 1935.1.6.23, 1935.1.6.24, 1935.1.6.25, 1935.1.6.26, 1935.1.6.27, 1935.1.6.29, 1935.1.6.30, 1935.1.6.32 - Caconda (1342S 1505E, 1900 m): **BMNH**: 1889.5.1.5 (Syntype *Vesperus bicolor*) - Cahata (1220S 1450E): **BMNH**: 1906.1.3.1 (Syntype *Vesperugo Anchieta*); **MNHN**: ZM-MO-1900-538 (Paratype *Vesperugo Anchieta*) - Chett Angolan border, 13 km N (17 40 42 S 22 36 53 E, 1021 m): **DNSM**: 14246 - Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 85529, 86640, 88100, 88101, 88102, 88111, 88112 - Dando, 35 km E (1110S 1710E): **AMNH**: 87243 - Gauca river (1105S 1715E): **CM**: 6928, 6939, 6940.

Botswana:

Four Rivers Camp (19.12S 23.12E): **NHMZ**: 54217.

Congo (Democratic Republic of the):

Lubenge (07 30 00 S 29 59 00 E, 5650 ft): **AMNH**: 55773, 55774.

Ethiopia:

Shibe-Tolley: **NHMZ**: 32685.

Mozambique:

Marromeu,Coutada 1 (18.25S 35.75E): **NHMZ**: 83998.

South Africa:

Empisini Nature Reserve (30 12 S 30 48 E, 19 m): **DNSM**: 5358, 5377 - Game Valley Estates (2954S 3003E): **DNSM**: 5362 - Harold Johnson Nature Reserve (29 12 00 S 31 25 36 E): **DNSM**: 5353, 5357, 5364 - Kranzkloof Nature Reserve (29 46 S 30 50 E, 434 m): **DNSM**: 10025 - Lister Point Camp (27 58 S 32 22 E, 54 m): **DNSM**: 2269 - Mantuma Camp (27 35 46 S 32 13 03 E, 103 m): **DNSM**: 10695, 10706 - Ngome Forest Reserve (27 52 00 S 31 24 45 E): **TM**: 40205, 40206 - Nibela peninsula (27 56 S 32 26 E): **DNSM**: 10163 - Phinda Game Reserve, Forest Lodge (27 46 39 S 32 20 58 E, 65 m): **DNSM**: 8787 - Port Edward (31 03 03 S 30 13 41 E, 625 m): **DNSM**: 13403 - Skukuza staff village (24 59 S 31 35 E, 240 m): **TM**: 30061, 39767 - Skukuza, 1.5 km NW (24 59 50 S 31 36 21 E): **TM**: 39768 - Sobhengu Lodge (27 57 S 32 26 E, 41 m): **DNSM**: 6885 - Tembe Elephant Park, east of HQ, pan (2703.699S 3227.102E, 65 m): **DNSM**: 8500 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 10161, 10168, 10689.

South Sudan:

Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586793.

Swaziland:

Ebaleni (26 15 49 S 31 56 42 E): **TM**: 47718 - Mbuluzi Game Reserve (26 12 00 S 31 58 48 E, 171 m): **DNSM**: 8508, 8512, 9859 - Siweni Riparian Site (26 10 48 S 32 02 55 E): **DNSM**: 8422, 8423 - Sundwini (26 14 57 S 31 56 31 E): **TM**: 41718.

Zambia:

Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115861, 115863, 115864, 115865, 115866, 115867, 115868, 115869, 115870, 115871, 115872, 115873, 115874, 115875, 115876, 115877, 115879, 115880, 115881, 115882, 115883, 115884, 115885, 115886, 115889, 115890, 115891, 115892, 115893, 115894, 115895, 115896, 115897, 115899, 115901, 115902; **BMNH**: 1970.2632, 1970.2632_1, 1970.2632_2, 1970.2632_3, 1970.2633, 1970.2634; **HZM**: 1.11405; **NMZL**: 3493; **SMF**: 37917 - Chavuma area (13.08S 22.68E): **NHMZ**: 9163 - Chilanga (15 33 00 S 28 17 00 E, 1220 m): **NHMZ**: 11703 - Hillwood Farm (11.23S 24.3E): **NHMZ**: 29855 - Kabompo Boma (133600S 241200E, 1027 m): **HZM**: 4.2933; **NHMZ**: 10047 - Lufupa camp, open woodland adjacent to flooded grassland [site 4] (14.603450S 26.189790E): **NMZL**: ECJS-42/2008 - Lunga-GR, Nyabikwa Kabompo confluence (1245S 2445E): **HZM**: 3.2556 - Mwinilunga district (1144S 2426E): **AMNH**: 89167, 89168 - Mwombezhi river (1213S 2534E): **HZM**: 2.11406 - Ndanda Dambo (14.75S 23.75E): **NHMZ**: 33254 - Ndanda School (14.75S 23.75E): **NHMZ**: 33145 - Ngoma (15 52 35 S 25 59 21 E, 1020 m): **BMNH**: 1969.1248 - Senenga, 59 km NE (15.62S 23.37E): **NHMZ**: 33146 - Wusikili Bridge (1251S 2813E): **NHMZ**: 20246.

Zimbabwe:

Benzie's Bridge, Shangani R (18.81S 27.9E): **NHMZ**: 33634 - Chinanga Dam, Maramba (17.12S 32.87E): **NHMZ**: 32492 - Chishakwe Camp, 2 km E (20.0S 32.0E): **NHMZ**: 32954, 32956 - Chivi (20.3S 30.52E): **NHMZ**: 30076 - Dwala Ranch, Bubiana River (2129BA): **NHMZ**: 31183, 31184, 31186, 31187, 31188, 31189, 31190 - Fort Cottage (ca. 18 15 25 S 32 44 37 E): **ZMA**: MAM.05661 - Gonarezhou NP, Mabalauta (21.93S 31.47E): **NHMZ**: 55655 - Hippo Valley, Kutanga Estates (21.12S 31.87E): **NHMZ**: 58732 - Hwange NP, Dete area (18.5S 26.75E): **NHMZ**: 58752 - Hwange NP, Makalowa Pan (19.0S 27.25E): **NHMZ**: 58751 - Limpopo Valley, Sentinal Ranch (2229AB): **NHMZ**: 29663, 30869 - Musengezi River (16 15 S 30 45 E): **NHMZ**: 58725 - Nyagui R (17.37S 31.62E): **NHMZ**: 32524 - Nyandia Dam (17.0S 32.0E): **NHMZ**: 84270 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32617 - Razi Chibi (20.5S 30.5E): **NHMZ**: 58846 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 30032, 30870a, 60473 - Sentinal Ranch (2229Ab): **NHMZ**: 30870b - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 30870 - Thornpark (17.62S 31.12E): **NHMZ**: 58716 - Volunteer farms (1849S 2738E): **NHMZ**: 31965.

Hypsugo ariel (Thomas, 1904)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1985-955.

Egypt:

El A'aqab (24 15 N 32 54 E, 252 m): **NMP**: 92597.

Kenya:

Nyama Yango (0054N 3735E): **FMNH**: 152745, 152746.

Sudan:

Kadugli (11 00 N 29 43 E): **BMNH**: 1928.3.11.7 - Wadi Alagi (ca. 22 N 35 E): **BMNH**: 1904.11.4.6 - Wadi Alagi (ca. 22 N 35 E, 2 000 ft): **BMNH**: 1904.11.4.7 (Holotype *Pipistrellus ariel*).

Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015

Madagascar:

Manahy, 0.75 km SW (20 52 04 S 43 54 27 E, 5 m): **FMNH**: 176090, 176095 - Sept Lacs (23 31 15 S 44 08 35 E, 110 m): **FMNH**: 173251.

Hypsugo cf. eisentrauti Hill, 1968

Congo (Democratic Republic of the):

Kabobo Forest (04 59 29 S 29 04 49 E, 1950 m): **FMNH**: 195086 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86916, 86917.

Rwanda:

Nyungwe forest reserve (02 31 13 S 29 18 15 E, 2500 m): **SMF**: 79444.

Somalia:

Unknown locality: **BMNH**: 1987.83, 1987.84, 1990.220.

Hypsugo crassulus (Thomas, 1904)

Angola:
Canzele (08.38S 15.13E): **FMNH**: 83599.
Cameroon:
Efulén (02 47 00 N 10 32 00 E, 421 m): **BMNH**: 1904.2.8.1 (Holotype *Pipistrellus crassulus*); **MCZ**: 17844 - Eseka, 3 km S, 3 km W (0337N 1045E): **CM**: 58578.
Congo:
Lekoumou, Forest trails (02 45.767 S 13 36.365 E): **HZM**: 1.40190 - Majumba (0430S 1230E): **MNHN**: ZM-MO-1884-753.
Congo (Democratic Republic of the):
Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 21669 - Irangi (0154S 2827E): **SMF**: 65011, 65012, 79441, 79442, 79443 - Mulolo-Kisanga (03 06 S 26 59 E): **BMNH**: 1963.1174.
Côte d'Ivoire:
Unknown locality: **SMF**: 91944, 91945, 91946, 91947, 91948, 91949, 91950, 91951 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 35686 (Holotype *Pipistrellus eisentrauti bellieri*) - Parc National de Mont Peko (06 56 N 07 10 W): **ROM**: 100532, 100533.
Gabon:
Moukalaba Reserve (0217S 1030E, 110 m): **FMNH**: 167775 - Mount Doudou fauna exploitation area (0214S 1024E, 625 m): **FMNH**: 167776.
Guinea:
Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0299 - Western Spur Valley (08 33 26 N 08 55 16 W, 900 m): **ZFMK**: 2009.0030.
Kenya:
Kakamega forest (0016N 3453E): **ROM**: 50527, 50528, 65975, 65988 - Kakamega forest station (0014N 3452E): **CM**: 98036 - Kakamega Forest Station, 1 mi NE (0017N 3447E, 1615 m): **FMNH**: 152767 - Kakamega forest, 8 mi SE (0016N 3453E): **ROM**: 91220 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 75530, 75541.
Liberia:
Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 12616, 13221, 13222.
South Sudan:
Bangangai forest (0451N 2745E): **FMNH**: 108168.
Uganda:
Budongo Forest (014416N 313322E, 4000 ft): **ROM**: 40146 - Budongo Forest (0146N 3133E): **ROM**: 46454 - Budongo Forest Nature Reserve (014416N 313322E): **FMNH**: 165171 - Nyabyeya Forestry College (0141N 3132E): **FMNH**: 165170.

Hypsugo eisentrauti (Hill, 1968)

Cameroon:
Unknown locality: **BMNH**: 1984.1686, 1989.730, 1989.731, 1989.732, 1989.733 - Buéa (0409N 0913E): **BMNH**: 1967.2129 (Paratype *Pipistrellus eisentrauti*) - Camp II (0447N 0943E, 1100 m): **ZFMK**: 1968.0006 - Camp V (0413N 0932E): **ZFMK**: 1968.0005 (Holotype *Pipistrellus eisentrauti*) - Mount Cameroon, south side (ca. 0403N 0905E, 750m): **BMNH**: 1984.1684 - Mount Kupe (044805N 094229E): **ZFMK**: 1950.0198 - Rumysi Hilus (04 49 56 N 09 10 23 E): **ZFMK**: 1950.0498.
Côte d'Ivoire:
Banco, forêt de (0525N 0403W): **USNM**: 429941, 468189.
Guinea:
Balouma (083900N 093800W, 609 m): **MNHN**: ZM-MO-1970-477.
Kenya:
Makandara picnic site (04 15 S 39 23 E): **AMNH**: 257123; **CM**: 102213, 102214, 98016, 98017, 98018, 98019 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 76559 - Tiwi, 1 km N (ca. 04 14 S 39 34 E): **CM**: 98020, 98021.
Liberia:
Kluga mountains (0825N 0945W): **AMNH**: 257054.
Uganda:
Nyabyeya Forestry College (0141N 3132E): **FMNH**: 165169.

Hypsugo musciculus (Thomas, 1913)

Cameroon:
Unknown locality: **BMNH**: 1919.11.1.3 - Bitye (0313N 1222E): **BMNH**: 1918.2.8.1, 1919.11.1.2, 1923.1.22.26, 1923.1.22.27 - Bitye (0313N 1222E, 2000 ft): **BMNH**: 1913.2.8.1 (Holotype *Pipistrellus musciculus*) - Foulassi (0259N 1158E): **MHNG**: 914.042, 914.043, 914.044, 914.045, 914.046, 914.047 - Mawutu Village (0236N 1336E): **ROM**: 69135.
Congo (Democratic Republic of the):
Bata (06 01 S 19 40 E, 590 m): **MNHN**: ZM-MO-1892-223 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 22049.
Gabon:
Unknown locality: **AMNH**: 54441 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1985-1929.
Ghana:
Bibianaha (06 28 N 02 20 W, 720 ft): **BMNH**: 1912.2.27.15.
Sierra Leone:
Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 547020 - Tasso island (0833N 1304W): **BMNH**: 1934.11.16.1.

Hypsugo savii (Bonaparte, 1837)

Algeria:
Unknown locality: **BMNH**: 1912.6.12.9 - Batna: **HNHM**: 77.223.1 - Tamanrasset (2250N 0526E): **CM**: 79138, 79139, 79140, 79141, 79142 - Tikjda (3627N 0400E): **HZM**: 6.21813.

Benin:
Bimbereke (1014N 0240E): **USNM**: 421392.
Canary Islands (Spain):
Unknown locality: **BMNH**: 1912.3.29.2, 1913.7.26.10, 1913.7.26.5, 1913.7.26.7, 1913.7.26.8, 1913.7.26.9 - La Palma (28 40 N 17 50 W): **BMNH**: 1907.1.1.423 (Holotype *Scotophilus darwini*).
Cape Verde:
Fogo isalnd (1455N 2425W): **BMNH**: 1805.12.61, 1805.12.62; **MZUF**: 47910a, 47910b; **USNM**: 142555, 142556 - São Vicente island (1650N 2500W): **MZUF**: 12222, 1399 - St. Filippe (14 54 N 24 31 W, 77 m): **BMNH**: 1905.12.6.2.
Italy:
Pisa: **BMNH**: 1907.1.1.732 (Holotype *Vespertilio Savii*).
Morocco:
Unknown locality: **BMNH**: 1965.3453; **MHNG**: 726.048c - Chechaouen (3519N 0516W): **USNM**: 476626 - Figuig (320700N 011337W): **BMNH**: 1963.1587, 1963.1588, 1963.1589 - Jebel Tisouka (35 09 38 N 05 13 02 W, 1100 m): **EBD**: MAM 15294, MAM 15348, MAM 15349, MAM 15371 - Marrakesh, E of (ca. 31 37 48 N 08 00 00 W): **MNHN**: ZM-MO-1904-465 A, ZM-MO-1904-465 B - Ouazarzate (30 55 31 N 06 54 48 W, 1276 m): **EBD**: MAM 13781.
Spain:
Las Palmas (28 05 59 N 15 24 48 W): **BMNH**: 1913.7.26.6 - Menorca Island: **MNCN**: 1.094 (Holotype *Vespertilio ochromixtus*).
Tunisia:
Djebel Zaghouan, 4 km W Poste Optique (3621N 1004E): **TTU**: 72497, 72498.

Laephotis angolensis Monard, 1935

"Africa":
Unknown locality: **MHNC**: x3.
Angola:
Dande [= Dando], 35 km E (1110S 1710E): **AMNH**: 87244 - Tshiumbe [=syn Tyihumbwe, Tyhumbwe, Chiumbe] river, tributary of Kasai river (1102S 2004 E): **AMNH**: 7; **MHNC**: x1, x2 - Tshiumbe [=syn. Tyihumbwe, Tyhumbwe, Chiumbe] river, tributary of Kasai river (1102S 2004E): **MHNC**: (Laephotis).
Congo (Democratic Republic of the):
Mumene (1107S 2808E): **BMNH**: 1957.437 - Musonge (11 28 00 S 27 52 00 E, 1183 m): **BMNH**: 1957.435.
Zambia:
between Livingstone and Lochinvar: **NMZL**: 2801.
Zimbabwe:
Hostes Nicolle Institute of Wildlife Research: **ROM**: 70984, 70987, 70988, 70989, 70990 - Lutope and Sengwa Rivers confluence (ca. 1810S 2813E): **ROM**: 88413, 88414, 88415.

Laephotis botswanae Setzer, 1971

Angola:
Huila (15.13S 13.63E): **FMNH**: 83605, 84120.
Botswana:
Kurunxaraga, Cement Camp (1922Db): **NHMZ**: 59310 - Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S (18 33 S 21 02 E): **USNM**: 425349 (Holotype *Laephotis botswanae*) - Xugana (19.08S 23.1E): **USNM**: 518678 - Xugana (1905S 2306E, 975 m): **USNM**: 518677.
Congo (Democratic Republic of the):
Mumene (11 04 00 S 28 08 00 E): **BMNH**: 1957.436, 1957.438; **RMCA**: 26402, 26403, 26404, 26405, 26406; **SMF**: 16868, 16869 - Musonge (11 28 00 S 27 52 00 E, 1183 m): **RMCA**: 26407; **SMF**: 16869a.
Malawi:
Bone's Garden, 16th Avenue (1523S 3519E, 800-900m): **DCDH**: 2269, 2456, 2682 - Chagwa dam (1521S 3520E): **DCDH**: 3012 - Chipata Camp (1304S 3356E, 1350m): **DCDH**: 2937 - Kapalasa Farm (1531S 3511E, 1000m): **DCDH**: 2972, 2992 - Kapino dam (1531S 3511E, 1000m): **DCDH**: 3040 - Likabula mission (15 57 S 35 24 E): **TM**: 44544 - Luwawa dam (1207S 3344E, 1700m): **DCDH**: 2673 - Misuku-Mughese Mission (= Mugesse, Misuku) (09 41 02 S 33 27 29 E, 1500m): **ZMA**: MAM.29650 - Mpalanganga Dam (1527S 3515E, 1100m): **DCDH**: 2855 - Mulunguzi Road, 10 (15 23 S 35 20 E, 900 m): **ZMA**: MAM.29646, MAM.29649 - Mulunguzi-dam (15 22 S 35 19 E): **ZMA**: MAM.29645, MAM.29647, MAM.29648 - Ntchisi Forest guesthouse (13 23 S 34 00 E, 1500 m): **ZMA**: MAM.29644 - Viphya Plateau (12.38S 33.7E): **DCDH**: 673 - Zomba (152300S 352000E, 848 m): **BMNH**: CN2269.
Mozambique:
Mount Mabu (16 16 57 S 36 22 54 E, 980 m): **MHNG**: 1971.009.
Namibia:
Dose Pan (18.13S 20.88E): **SMW**: 10678 - Eenhana (17 28 S 16 20 E, 1108 m): **NMP**: pb5928 - San Michelle (17.88S 23.38E): **SMW**: 13611.
South Africa:
Farm Klipfontein 54JS (24 08 S 28 08 E): **TM**: 39946, 40107 - Farm Welgevonden 449 (23 32 S 28 26 E, 1277 m): **DNSM**: 13626 - Game Valley Estates (2954S 3003E): **DNSM**: 5351, 6898, 6899 - Maditobe Witsand Dam (22 41 S 31 02 E): **TM**: 38123, 38153, 38154, 38155 - Waterberg, Lapalala Wilderness area (2351S 2809E): **TM**: 39796.
Tanzania:
Ugano Plantation (11 06 S 34 55 E, 1560m): **NMW**: 19823.
Zambia:
Kabompo [=Kabompo Boma] (1336S 2412E, 1027 m): **NHMZ**: 9111 - Livingston [1752S 2551E] and Lochinvar [1551S 2714E], between: **NHMZ**: 2801 - Ndanda School (14.75S 23.75E): **NHMZ**: 33067 - Ndola (1258S 2838E): **HZM**: 1.2533 - Sioma Bush Camp (16 45 03 S 23 25 13 E): **NMP**: RS966 - Solwezi Boma (1211S 2624E, 1366 m): **BMNH**: 1955.1134, 1955.1135.
Zimbabwe:

Hostes Nicoll Research Institute (1810S 2813E): **NHMZ**: 59330 - Lunare valley (2036S 2852E): **NHMZ**: 29992 - Mtshavezi valley (2036S 2852E): **NHMZ**: 29592 - Sebakwe River (ca. 1855S 3050E): **NHMZ**: 58131 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 30030, 63201, 63202; **TM**: 34964 - Wankie-NP (1845S 2658E, 914 m): **FMNH**: 152728.

Laephotis namibensis Setzer, 1971

Namibia:

Farm Zwartmodder 101 (2454S 1617E): **TM**: 37586, 37608, 37609 - Helmeringshausen (2645S 1615E): **TM**: 33472 - Klein Aus Farm 8 (2639S 1613E): **TM**: 37547, 37548 - Maltahohe district: **CM**: 93187 - Namibia Desert Research Station [= DERU] (2333S 1503E): **USNM**: 342152 (Holotype *Laephotis namibensis*), 342153 (Paratype *Laephotis namibensis*) - Zwartmodder 101 (24.88S 16.38E): **SMW**: 11302.

South Africa:

Cederberg, Algeria State Forest, campsite (3221S 1903E): **SAMC**: 41415, 41417; **TM**: 28316, 38426.

Laephotis wintoni Thomas, 1901

"Africa":

Unknown locality: **ZMA**: MAM.26209.

Ethiopia:

Unknown locality: **USNM**: 462753 - Beletta forest (0732N 3633E, 2050 m): **ZMMU**: S-165956, S-165957 - Giner, 48 km N: **ROM**: 72060 - Koka (08 26 N 39 02 E, 1700 m): **BMNH**: 1972.4397, 1972.4397_1, 1972.4397_2, 1972.4397_3, 1972.4398, 1972.4399 - Medague (12 03 29 N 039 02 41 E): **EBD**: MAM 25813.

Kenya:

Kitui (0122S 3801E, 3 500 ft): **BMNH**: 1901.5.6.5 (Holotype *Læphotis Wintoni*) - Namanga (ca. 023303S 364658E): **ROM**: 36368 - Nanyuki (00 01 00 N 37 04 00 E, 1986 m): **ROM**: 66245 - Nyeri (00 25 00 S 36 57 00 E, 1768 m): **HZM**: 1.3020, 2.2030 - Water treatment site (00 18 14 N 36 55 31 E): **MMU**: PWW2685.

Lesotho:

Sehlabathebe-NP, small dam (2951S 2906E): **NMB**: 6686, 6687, 6688, 6697, 6698.

South Africa:

Farm Schaapplaas 1785 (ca. 2837S 2822E): **NMB**: 6378, 6379.

Tanzania:

Unknown locality: **ZMB**: 12224 - Kibebe farms (0747S 3545E, 1550 m): **FMNH**: 171300 - Mazumbai Forest Reserve (04 25 S 38 15 E, 1500 m): **SMF**: 66961.

Mimetillus moloneyi (Thomas, 1891)

"Africa":

Unknown locality: **HNHM**: 23243; **ZMA**: MAM.26215.

Angola:

Lândana (05 14 S 12 09 E, 0 m): **RBINS**: 284.

Cameroon:

Unknown locality: **ZMB**: 54379 - Bipindi, Kribi, Bez (0306N 1030E): **ZMB**: 54282 - Eseka, 9 km N (0343N 1048E): **TTU**: 17997 - Eséka, 9 km N (ca. 0340N 1045E): **AMNH**: 236321 - Eséka, 9 km SE (ca. 0340N 1045E): **AMNH**: 241050 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55758, 55798, 55799 - Lomié (03 10 N 13 34 E, 611 m): **ROM**: 57124, 57126, 57127 - Lomié, 40 km N (03 09 N 13 35 E): **ROM**: 57153, 57154 - Mawutu Village: **ROM**: 69131 - Mawutu Village (0424N 0913E): **ROM**: 69130 - Nanga-Eboko, 30 km E: **TTU**: 17998 - Njombo River (0339N 1158E): **ROM**: 57064, 57065, 57066, 57068, 57164, 57165, 57166, 57167, 57210, 57211, 57212, 57213, 57214, 57215, 57220, 57221, 57222, 57223 - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 55611, 55624 - Obala, 12 km S, 4 km E (0410N 1132E): **ROM**: 56135, 56136 - Obala, 82 km NE (0446N 1151E): **AMNH**: 241051 - Okola: **TTU**: 17999.

Central African Republic:

Dzanga-Sangha Forest Reserve (ca. 03 26 N 16 21 E): **AMNH**: 268384, 268386 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-295, ZM-MO-1985-1042 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-856.

Congo:

Lekoumou, airport road (02 45.724 S 13 34.953 E): **HZM**: 10.40177.

Congo (Democratic Republic of the):

Arebi Bondo Mabe (02 47 00 N 29 35 00 E): **RMCA**: 16264, 16265 - Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 49305 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 15326, 16279, 19081 - Irumu (01 27 00 N 29 52 00 E, 1280 m): **BMNH**: 1954.862; **RMCA**: 21462 - Isai River (01 24 N 28 04 E): **HZM**: 2.7802, 3.7803, 4.7804 - Katanga (ca. 10 00 S 27 30 E): **RMCA**: 386a, 386b, 386c, 386d, 386e, 386f - Koteli (02 52 00 N 24 33 00 E, 432 m): **RMCA**: 16266 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 33587, 33588, 33589, 33590, 33591, 33592 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48859, 49198 - Mosenge (04 39 00 S 18 58 00 E, 508 m): **RMCA**: 88.011-M-0023 - Poko (03 09 00 N 26 53 00 E, 641 m): **RMCA**: 16514 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **AMNH**: 48858 - Université de Kisangani, Faculté des Sciences (00 31 N 25 11 E, 447 m): **UNIKIS**: CHFS01, CHFS02, CHFS03, CHFS04, CHFS05 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 88.005-M-0001, 88.005-M-0002, 88.005-M-0007, 89.020-M-0045, 92.079-M-0036, 92.079-M-0037, 92.079-M-0038, 92.079-M-0039, 92.079-M-0040, 92.079-M-0041, 92.079-M-0123, 92.079-M-0124 - Yaekela (00 48 12 N 24 17 39 E, 508 m): **UNIKIS**: CRT1888 - Yalosemba (02 35 N 24 47 E, 422 m): **MHNG**: 1870.091; **USNM**: 537736 - Yangambi (00 47 00 N 24 28 00 E, 437 m): **RBINS**: 6988 - Zobia (02 58 N 25 56 E, 609 m): **RBINS**: 14519, 14520, 14521.

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-3273, 97.077-M-3274, 97.077-M-3275, 97.077-M-3276, 97.077-M-3277, 97.077-M-3373; **ROM**: 84970 - Abidjan, 15 km NW (0521N 0405W): **AMNH**: 241052, 241053 - Ehania (05 14 00 N 02 46 00 W, 70 m): **RMCA**: 97.077-M-3238, 97.077-M-3239.

Equatorial Guinea:

Banlesbeni: **BMNH**: 1904.7.1.38, 1904.7.1.39, 1904.7.1.40, 1904.7.1.41.

Gabon:
Bélinga (01 08 00 N 13 07 00 E, 390 m): **MNHN**: ZM-MO-1985-1921 - Makokou (00 34 00 N 12 52 00 E, 308 m): **AMNH**: 216588.
Ghana:
Kade Agricultural Research Station, SE (06 05 N 00 50 W, 127 m): **ROM**: 39378 - Leklebi Agbesia (0656N 0029E): **USNM**: 424872 - Odomi Jongo (0819N 0031E, 324 m): **USNM**: 424870, 424871 - Prestea, 32 mi W (0523N 0228W): **USNM**: 414242 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414992 - Yabraso (0804N 0147W): **USNM**: 424866, 424867, 424868, 424869.
Guinea:
Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0303 - Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1985-1150, ZM-MO-1985-1151, ZM-MO-1985-1152, ZM-MO-1985-1153, ZM-MO-1985-1154.
Kenya:
Unknown locality: **RMNH**: MAM.27145 - Endebess (0104N 3451E): **ROM**: 67962 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **AMNH**: 238489; **HZM**: 5.8497; **ROM**: 81290, 91232 - Mara River: **ROM**: 41773, 41774 - Morok River (0020N 3538E): **ROM**: 75421 - Mukanda Stream (04 10 S 39 27 E, 152 m): **CUMV**: 13743; **ROM**: 74492 - NE Cherangani Hills, Kipsain river (0107N 3506E): **HZM**: 6.12752 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152729, 152730 - Tana River (023149S 403126E): **LACM**: 28010, 28011 - Wei Wei River (ca. 01 30 00 N 35 30 00 E): **BMNH**: 1975.2608; **LACM**: 36527, 36528, 36529, 36530; **ROM**: 38254, 38255, 38321, 65850, 65888.
Liberia:
Unknown locality: **RMNH**: MAM.17737, MAM.17738 - Ceasar's Beach (ca. 0619N 1048W, 0 m): **AMNH**: 257057, 257058 - Harbel (06 16 47 N 10 20 51 W, 95 m): **KU**: 135730, 135731 - Tars Town (0613N 0808W): **USNM**: 481734 - Zozoma (082500N 094700W): **AMNH**: 257059, 257060, 257061, 257062, 257063, 257064, 257065, 257066, 257067, 257068.
Nigeria:
Lagos (0627N 0323E): **BMNH**: 1891.5.5.2 (Holotype *Vesperugo (Vesperus) Moloneyi*) - Leekie: **BMNH**: 1893.1.7.2.
Sierra Leone:
4 Kendall Street: **ROM**: 60690 - Bo: **BMNH**: 1960.154 - Bo School: **HZM**: 1.495 - Gola Forest Camp (0737N 1058W): **USNM**: 545601, 545602, 545603 - Kent: **ROM**: 62748 - Tasso island (0833N 1304W): **BMNH**: 1924.2.1.3 - Wellington Village: **ROM**: 60656, 60658.
South Sudan:
Katire (0405N 3246E): **FMNH**: 73884 - Loa (034801N 315659E): **FMNH**: 78758, 78759 - Yambio (0434N 2823E): **ROM**: 72090, 72091.
Tanzania:
Magrotto Hill (05 07 S 38 45 E): **FMNH**: 183238 - Mbeya region: **SMF**: 85543 - Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **FMNH**: 192951 - Tanga region: **SMF**: 82515 - Usambara mountains (044500S 383000E): **MNHN**: ZM-MO-1897-1531.
Uganda:
Budongo Forest (014416N 313322E, 4000 ft): **LACM**: 52063 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 40143, 46708 - Impenetrable Forest: **LACM**: 52065 - Moyo, 10 mi [=16 km] E (03 39 N 31 43 E, 750 -1067 m): **SMF**: 39436 - Ntandi (0048N 3008E, 2300ft): **LACM**: 52064.
Zambia:
Kanona, 32 mi NE: **CAS**: 12529 - Kanona, 42 mi SW: **CAS**: 12530.
Zimbabwe:
Kanona, 32 mi NE: **CAS**: 12499 - Kanona, 42 mi SW: **CAS**: 12498.

Mimetillus thomasi Hinton, 1920

Angola:
Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 88093, 88098, 88113, 88599.
Congo (Democratic Republic of the):
Elisabethville (114000S 272600E, 1209 m): **RMCA**: 16496.
Mozambique:
Zinave, 2 km S (2121S 3351E): **NHMZ**: 63199.
Tanzania:
Liwale (09 46 S 37 56 E, 468 m): **BMNH**: 1964.1786, 1964.1787, 1964.1788.
Zambia:
Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115851, 115852, 115853, 115854, 115855, 115856, 115857, 115858, 115859; **KM**: 1939 - Luangwa River (1245S 3205E): **LACM**: 69905 - Ndola (1258S 2838E): **BMNH**: 1920.11.3.28 (Holotype *Mimetillus thomasi*) - Pwira Pan (1354S 2751E): **NHMZ**: 63522.

Neoromicia Roberts, 1926

Burundi:
Kanyosha (=Kaniosha) (03 24 41 S 29 21 40 E, 844 m): **MHNG**: 1608.004.
Cameroon:
Unknown locality: **BMNH**: 1948.710, 1948.711, 1948.712.
Central African Republic:
Bangoran (08 04 51 N 20 20 43 E, 418 m): **MNHN**: ZM-MO-2000-843 - Manovo (08 07 N 21 07 E, 654 m): **MNHN**: ZM-MO-2000-844 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-841, ZM-MO-2000-842.
Congo:
Djambala (02 34 41 S 14 45 12 E, 622 m): **FMNH**: 73838.
Congo (Democratic Republic of the):
Cel II (ca. 03 55 00 N 29 22 00 E): **RBINS**: 13830, 13831, 13833, 13837, 13839 - Kinkole (03 57 S 16 07 E, 474 m): **ZMA**: MAM.21154 - Ndelele (04 22 00 N 29 47 00 E, 900 m): **RBINS**: 13836 - Rutshuru (01 11 03 S 29 26 56 E, 1219

m): **INPBC**: V1397.2 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **MCZ**: 23382 - Zobia (02 58 N 25 56 E, 609 m): **RBINS**: 14508.

Gabon:

Tchibanga (0251S 1102E, 166 m): **FMNH**: 73839.

Ghana:

Oda (05 55 N 00 56 W, 122 m): **MCZ**: 48875.

Kenya:

Colobus Circuit 1 (00 21 22 N 34 51 41 E): **MMU**: PWW2922 - Salazar Trail (00 20 06 N 34 52 26 E): **MMU**: PWW2928, PWW2929.

Liberia:

Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 13225.

Malawi:

Ntchisi Forest Reserve (13 19 S 34 03 E, 1420 m): **MVZ**: 220908.

Mozambique:

Vila de Manica, 10 km N (1850S 3257E): **USNM**: 367552, 367553, 367554 - Vila Gouveia (18.07S 33.18E): **USNM**: 367546, 367547, 367548, 367549, 367550, 367551.

Rwanda:

Gisenyi (01 41 15 S 29 15 17 E, 1450 m): **ZMA**: MAM.21237, MAM.21238.

Somalia:

Unknown locality: **BMNH**: 1972.4236.

South Africa:

Unknown locality: **BMNH**: 1914.5.4.1 - Malitube Dam (22 40 39 S 31 02 12 E): **KNP**: 180 - Mtubatua, 18 mi [= 29 km] N (2818S 3211E): **ROM**: 91219 - Scottburgh area (ca. 30 17 00 S 30 45 00 E): **DNSM**: 13137 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **KNP**: 187.

South Sudan:

Andari Payam, Bangangai Game Reserve (04 52 39 N 27 40 34 E): **USNM**: 586862 - Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586791, 586794, 586797, 586807, 586808, 586809, 586821, 586826, 586841 - Bangangai Game Reserve, base camp (04 54 28 N 27 42 13 E, 698 m): **USNM**: 587224 - Bangangai Game Reserve, location 1 (04 54 20 N 27 42 19 E, 698 m): **USNM**: 587275, 587276, 587277, 587278 - Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586755, 587255, 587256 - Gwortapeng Village (03 55 09 N 31 38 07 E, 924 m): **USNM**: 587702, 587704, 587706 - Kabi stream (03 56 52 N 31 34 41 E, 929 m): **USNM**: 587057, 587061, 587646, 587666 - Kombi stream, behind Reeder compound (03 55 58 N 31 36 17 E, 950 m): **USNM**: 587708 - Mogiri, Reeder Family Compound (03 56 09 N 31 36 29 E, 1024 m): **USNM**: 587629, 587630, 587631 - Namaku Boma (04 40 47 N 28 13 16 E, 661 m): **USNM**: 586717.

Tanzania:

Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187222, 187223, 187224, 187225, 187226 - Isamilo (International School) (02 30 30 S 32 54 23 E): **ZMA**: MAM.22418 - Kihansi Gorge (4.7542S 38.8028E, 550 m): **FMNH**: 163389 - Meru Crater (031431S 364714E): **FMNH**: 208058, 208060, 208061 - Wiru (02 28 16 S 032 53 13 E): **ZMA**: MAM.22323.

Uganda:

Kawanda, Agriculture Research Station (002229N 323211E, 1193 m): **CAS**: 24727, 24728, 24729, 24730, 24731, 24732, 24733, 24734, 24735, 24736, 24737, 24738, 24739 - Tororo (004105N 341052E, 1185 m): **CAS**: 24740, 24741.

Zambia:

Lochinvar (15 55 S 27 15 E): **RMCA**: 33298.

Zimbabwe:

Unknown locality: **BMNH**: 1902.2.7.15 - Rhodes Nyanga-NP: **DNSM**: 7021.

Neoromicia aff. guineensis Bocage, 1889

Ethiopia:

Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189550, S-189553, S-189554, S-189555, S-189557, S-189558, S-189559, S-189560, S-189561 - Bermil (12 23 N 35 44 E, 562 m): **ZMMU**: S-189563 - Gelego (12 14 N 35 53 E, 650 m): **ZMMU**: S-189547, S-189548, S-189549 - Grara (12 21 N 35 44 E, 560 m): **ZMMU**: S-189565, S-189566 - Megenagne (12 12 N 35 40 E, 564 m): **ZMMU**: S-189570.

Neoromicia brunnea (Thomas, 1880)

Cameroon:

Unknown locality: **BMNH**: 1989.734, 1989.735 - Ambam, 13 km S, 5 km E (0216N 1121E): **CM**: 58498, 58499 - Bake river bridge (0516N 0913E): **CM**: 108028 - Boteke Village (0406N 0912E): **ROM**: 69045, 69046, 69047 - Buea Station area, small Sopo (0407N 0912E): **ROM**: 68950 - Edéa (0348N 1014E): **ZMB**: T10307 - Eseka (0339N 1046E): **AMNH**: 236320; **CM**: 41051 - Eseka, 3 km S, 3 km W (0337N 1045E): **CM**: 58500, 58501 - Keboko, 8 km W: **ROM**: 55605, 55606 - Mawutu Village (0424N 0912E): **ROM**: 69132, 69133, 69134 - Metet (0326N 1143E): **MCZ**: 14839 - Ngoumé (05 29 00 N 11 24 00 E, 681 m): **RMCA**: 77.032-M-0198 - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 55625 - Yaoundé, 16 km S, 2 km E (0343N 1132E): **CM**: 58513 - Yaoundé, 7 km S, 8 km W (0348N 1127E): **CM**: 58502, 58503, 58504, 58505 - Yaoundé, 9 km S, 10 km W (0347N 1125E): **CM**: 58506, 58507, 58508, 58509, 58510, 58511, 58512.

Congo:

Lekoumou, Forest trails (02 45.767 S 13 36.365 E): **HZM**: 1.40191.

Congo (Democratic Republic of the):

Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86933.

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-3287, 97.077-M-3288, 97.077-M-3289, 97.077-M-3290, 97.077-M-3291; **SMF**: 91982, 91983, 91984, 91985 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 35681, 35682, 35683, 35684 - Banco, forêt de (0525N 0403W): **USNM**: 429937, 429938, 429939, 429940, 468174 - Ehania (05 14 00 N 02 46 00 W, 70 m): **RMCA**: 97.077-M-7724 - Parc National de Mont Peko (06 56 N 07 10 W): **ROM**: 100529, 100551.

Equatorial Guinea:

Benito River, 15 km from mouth (ca. 0136N 0937E): **BMNH**: 1898.5.4.18.

Gabon:

Cap Esterias (0037N 0920E): **CM**: 90802 - M'Bari site (0152S 0953E): **USNM**: 584725, 584726 - Ogooue-Maritime province: **USNM**: 584851.

Ghana:

Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 412123, 412124.

Liberia:

John Town (0825N 0945W): **AMNH**: 257056 - Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 13223, 13224, 13227, 13228, 13229, 13232, 13250 bis.

Nigeria:

Unknown locality: **BMNH**: 1880.12.3.2 - Calabar (0456N 0822E): **BMNH**: 1880.7.21.7 (Holotype *Vesperugo (Vesperus) brunneus*).

Sierra Leone:

Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547026, 547027 - Segbwemba (0759N 1057W): **USNM**: 462849.

Neoromicia capensis (A. Smith, 1829)

"Africa":

Unknown locality: **SAMC**: 10344, 17076, 3433, 37045, 37046, 376, 7074, 7214, 7482, 7512, 7520, 7522; **TM**: 25606, 25670, 3005 - Great lakes area, East Africa: **MNHN**: ZM-MO-1895-409 - Malingwe Pan: **HZM**: 37.4523.

Angola:

Unknown locality: **BMNH**: 1935.1.6.39 - Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 88094, 88097; **CM**: 7017, 7018 - Huila (15.13S 13.63E): **FMNH**: 83598, 84121, 84122 - Humpata (15.13S 13.38E): **IICA**: 1928 - Humpata (1501S 1323E, 1856 m): **AMNH**: 87634, 87635 - Humpata (1502S 1324E): **AMNH**: 87633 - Naulila, 25 km E (17.13S 14.88E): **IICA**: 7942 - Robert Williams, 6 mi S (12.94036 S 15.56056 E, 1630 m): **CAS**: 15963 - Sá da Bandeira (145500S 133000E, 1718 m): **IICA**: 756.

Benin:

Soubroukou (0941N 0138E): **USNM**: 438944, 438945, 438946, 438947, 479493, 479494.

Botswana:

Artesia (2404S 2615E): **ZFMK**: 1964.0107 - Camp 7 (22 00 S 21 15 E): **USNM**: 322838, 322920, 322921, 322922, 322923 - Chobe-NP, Mababe Flats (1845S 2415E): **FMNH**: 38473 - Dautsa Flats (20.58S 22.53E): **USNM**: 382653, 382654, 382655 - Digomo De Kai (2452S 2431E): **USNM**: 382657 - Dikomo Di Kai (24.87S 24.52E): **USNM**: 382656 - Drotsky's [= Drodsky] Caves (20 07 S 21 22 E): **SMF**: 54257 - First Pole Bridge (19.57S 22.88E): **NHMZ**: 59213 - Fort Rictfontein, 33 km SSE (22.0S 21.25E): **USNM**: 322919 - Four Rivers Camp (19.12S 23.12E): **NHMZ**: 54134 - Francistown (2021S 2527E): **HZM**: 32.4380, 33.4383, 34.4384; **ZFMK**: 1965.0534, 1965.0535, 1965.0536 - Francistown (21.15S 27.5E): **NHMZ**: 64157 - Ghanzi (21.62S 21.62E): **NHMZ**: 32799 - Ghanzi, 45 km S (22.1S 21.78E): **NHMZ**: 80205 - Gomoti R. (19.37S 23.37E): **NHMZ**: 80204 - Gomoti River, Highbanks (19 25 11 S 23 24 15 E, 950 m): **TM**: 48485 - Kaporota Training Camp [site 2] (19 00 25 S 22 55 40 E): **FMNH**: 97212 - Kaporota Training Camp, 5.7 km N (18 59 51 S 22 55 24 E): **TM**: 48490 - Khuis (26.67S 21.83E): **NHMZ**: 64156; **USNM**: 425342 - Khutse (23.25S 24.25E): **NHMZ**: 64144 - Khwai Lodge, 9 km W (1906S 2334E): **ROM**: 62652 - Kwando R. (18.05S 23.13E): **NHMZ**: 80206 - Kwebe Hills, 26 km NW (20.27S 22.87E): **USNM**: 382651 - Lethlaking, 17 km SE (24.22S 25.17E): **USNM**: 382647 - Lethlaking, 17 km SE (2413S 2510E): **USNM**: 382648, 382649 - Mabeleapudi (20.95S 22.52E): **USNM**: 367746 - Mabeleapudi (221247S 264959E): **USNM**: 367747 - Makalamabedi Resource Area (20.37S 23.87E): **NHMZ**: 80207 - Mamuno [= Mamono], 150 mi S (242740S 200210E): **USNM**: 425334, 425335, 425336, 425337 - Maun (19 59 S 23 25 E, 927 m): **FMNH**: 38471, 38472; **TM**: 6548 - Mopipi (21.0S 24.75E): **NHMZ**: 64143 - Mumpswe Pan (20.2S 25.87E): **NHMZ**: 64076 - Musu (21.0S 25.75E): **NHMZ**: 64149 - Nata (20.2S 26.18E): **NHMZ**: 64074; **USNM**: 367748 - Nata (2012S 2611E, 909 m): **USNM**: 367749, 367750, 367751 - Nata R. (19.75S 26.75E): **NHMZ**: 64113 - Nekate [= N'kate, Nekati] (ca. 2000S 2620E): **TM**: 6549 (Holotype *Eptesicus capensis nkatiensis*) - N'kata (2015S 2600E): **FMNH**: 38474 - Nokaneng, 15 mi N (1925S 2216E): **USNM**: 425328, 425329 - Nthane (2122S 2622E): **NHMZ**: 64072, 64079, 64080, 64082, 64083, 64098, 64100, 64102, 64105 - Nunga (18.75S 23.5E): **NHMZ**: 80200 - Nxai Pan (19.75S 24.75E): **NHMZ**: 80203 - Pandamatenga, 130 km SW (19.25S 24.75E): **NHMZ**: 80202 - Pom Pom (19.5S 22.75E): **NHMZ**: 59209 - Sehitwa, 16 km SW (20.38S 22.63E): **USNM**: 367737 - Sehitwa, 22 km W (20.58S 22.53E): **NHMZ**: 64095; **USNM**: 382652 - Sehitwa,10 mi [=16 km] SW (20.38S 22.63E): **USNM**: 367736, 367738, 367739, 367740, 367741, 367742, 367743, 367744, 367745 - Sehitwa,16 km SW (20.38S 22.63E): **NHMZ**: 64115 - Serowe, 40 km NW (22.0S 26.29E): **NHMZ**: 64123, 64133 - Serowe, 40 mi NW (2223S 2643E): **HZM**: 35.4513, 36.4514 - Serowe, village 2 km from (ca. 22 25 00 S 26 44 00 E): **WAM**: M29514 - Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S (18 33 S 21 02 E): **USNM**: 425327, 425331, 425332, 425333 - Shakawe, 70 km SW (18 33 S 21 01 E): **NHMZ**: 63996 - Sokwana (18.0S 23.25E): **NHMZ**: 64085 - Sukwane, Botletle R. (20.75S 24.25E): **NHMZ**: 64151 - Tamafuhi (2116S 2610E): **HZM**: 29.4041 - Tamafupi (2116S 2610E): **HZM**: 28.4040 - Tamafupi, 33 km N (19.25S 26.0E): **NHMZ**: 64121; **USNM**: 382646 - Toromoja (21.0S 24.5E): **NHMZ**: 64075 - Toten (20.38S 22.95E): **USNM**: 382650 - Tsane (24.12S 21.87E): **NHMZ**: 64086 - Tsane, 25 mi ENE (2400S 2214E): **USNM**: 425339, 425340 - Tsane, 32 km ENE (24.0S 22.23E): **USNM**: 425338 - Tsane, Camp 8 (2401S 2150E): **HZM**: 14.2612, 23.3458, 24.3471; **USNM**: 322924, 322925, 322926, 322927, 322928, 322929, 322930, 322931, 322932, 322933, 322934, 322935, 322936, 322937, 322938, 322939, 322940, 322941, 322942 - Vloorskop (25.92S 20.87E): **USNM**: 425341 - Xugana (19.08S 23.1E): **USNM**: 518647 - Xugana (1905S 2306E, 975 m): **USNM**: 518663, 518672 - Xugana, 13 mi [=17 km] N (1857S 2253E, 975 m): **USNM**: 518667, 518668.

Burundi:

Makamba (0408S 2949E, 1472 m): **MHNG**: 1607.097.

Cameroon:

Mbakaou (06 19 00 N 12 49 00 E, 833 m): **RMCA**: 73.018-M-0432, 73.018-M-0433.

Congo (Democratic Republic of the):

Bagbele Moko (04 21 N 29 17 E, 742 m): **RBINS**: 13840.1, 13840.2, 13840.3 - Beno (03 37 00 S 17 48 00 E, 281 m): **RMCA**: 19851, 19852 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 38717, 38718, 38725, 75.035-M-0024, 75.035-M-0025, 75.035-M-0057 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 12590a, 12590b, 12590c - Cel I (04 21 00 N 29 17 00 E, 742 m): **RMCA**: 36852 - Cel II (ca. 03 55 00 N 29 22 00 E): **INPBC**: 3559, 4360; **RBINS**: 13834, 13841.1,

13841.2, 13841.3, 13841.4, 13841.5; **RMCA**: 36853, 36854, 36855, 36856, 36857, 36858, 36859, 36860, 36861, 36862, 36864, 36865, 36866 - Elisabethville (114000S 272600E, 1209 m): **RMCA**: 12236, 8872 - Elizabethville (114000S 272600E, 1209 m): **BMNH**: 1954.859 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 11656.1, 11656.2 - Garamba National Park (04 10 00 N 29 30 00 E): **AMNH**: 49340 (Holotype *Eptesicus garambæ*) - Katana (02 13 30 S 28 49 53 E, 1595 m): **RMCA**: 12057 - Kipangaribwe river (08 56 S 27 12E, 1760 m): **RBINS**: 10707 - Kisantu (050700S 150500E, 421 m): **RMCA**: 6560 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 7783b - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RBINS**: 14507 - Luebo (050200S 213300E, 478 m): **RMCA**: 7309 - Mabanga (04 22 N 29 47 E): **RBINS**: 13848.1, 13848.2; **RMCA**: 36863 - Mayumbe (ca. 05 00 S 15 00 E): **RMCA**: 90.012-M-0001 - Moba (070300S 294700E, 763 m): **RMCA**: 22126, 26327 - PFSK.20 (04 18 N 29 55 E): **RBINS**: 13847 - PPK.51 (04 06 N 29 25 E): **RBINS**: 13846.1, 13846.2 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7117 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 88.005-M-0003, 88.005-M-0014, 89.020-M-0046.

Eritrea:

Adi Ugri (1453N 3849E): **MZUF**: 5365b?.

Ethiopia:

Unknown locality: **BMNH**: 1964.2164, 1970.2219, 1971.2455, 1972.4375, 1972.4376, 1976.304; **SMF**: 52386 - Abaya, W coast lake (0613N 3749E): **MNHN**: ZM-MO-1972-491A, ZM-MO-1972-491B - Bulcha Forest (06 11 N 38 10 E, 1800 m): **BMNH**: 1972.4383; **CM**: 52651 - Didessa River (ca. 09 57 N 35 41 E, 1190 m): **BMNH**: 1972.4391 - Didessa river bridge (09 02 N 36 09 E, 1533 m): **BRTC**: 58686 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1670 m): **BRTC**: 57957, 57961, 57962, 57963, 57964, 57965, 57966, 57968, 57971, 57972, 57973, 57974, 57975, 57976, 57977, 57978, 57979, 57980, 57981, 58661, 58662, 58663, 58664, 58665, 58667, 58668, 58669 - Fafan River (08 05 N 43 23 E): **SMF**: 49589 - Garairobi Lake: **ZMB**: 43911 - Ghinir, 7 km from (ca. 0710N 4042E): **MNHN**: ZM-MO-1972-492 - Harairobo, lake (0819N 3905E): **ZFMK**: 1977.1009, 1977.1010 - Satema, 1.5 km N, 0.5 km W (2165 m): **BRTC**: 58697, 58700, 58702 - Warras: **MCZ**: 45118.

Ghana:

Unknown locality: **BMNH**: 1950.1539, 1975.557, 1975.558_1, 1975.558_2, 1975.560, 1976.746_1, 1976.746_2, 1976.748_01, 1976.748_02, 1976.748_03, 1976.748_04, 1976.748_05, 1976.748_06, 1976.748_07, 1976.748_08, 1976.748_09, 1976.748_10, 1976.748_11, 1976.748_12, 1976.748_13, 1976.761_1, 1976.761_2, 1976.761_3, 1976.761_4, 1976.761_5, 1976.761_6, 1976.761_7, 1976.761_8, 1976.769_1, 1976.769_2 - Damango, near (09 15 N 01 45 W): **ROM**: 60205 - Mole National Park (0950N 0149W): **BMNH**: 1975.561 - Sefwi Asemparaye (06 30 N 02 54 W, 251 m): **BMNH**: 1974.63, 1974.74 - Sefwi Asemparaye (0630N 0254W): **BMNH**: 1974.63_01, 1974.63_02, 1974.63_03, 1974.63_04, 1974.63_05, 1974.63_06, 1974.63_07, 1974.63_08, 1974.63_09, 1974.63_10, 1974.63_11, 1974.63_12.

Kenya:

Unknown locality: **BMNH**: 1975.2792, 1975.2803, 1975.2803_1, 1975.2803_2, 1975.2804 - 15 mi up from Tanganyika border, Mara river, 15 mi up (ca. 0016S 3745E): **USNM**: 350978 - Barberton Farm (ca. 0047N 3450E): **USNM**: 350981, 350983 - Endebess (0104N 3451E): **ROM**: 67960 - Kabarsera (0056N 3552E, 762 m): **USNM**: 548531, 548532, 548533, 548534 - Karen (01 20 S 36 45 E, 1706-1829 m): **USNM**: 436730 - Kiboko Campsite (00 19 03 N 36 54 39 E): **MMU**: PWW2695, PWW2696, PWW2697, PWW2703, PWW2704, PWW2706, PWW2708, PWW2709, PWW2710 - Kongelai (0128N 3502E, 1350 m): **ROM**: 81362 - Kyamunyu (013928S 371821E): **CUMV**: 13662 - Lemek hill (0105S 3523E): **USNM**: 350979 - Lukenia (0129S 3703E, 1524 m): **ROM**: 78205 - Lukenya, mount (01 28 S 37 03 E): **FMNH**: 17210, 18428 - Maji Mota (0013N 3606E): **USNM**: 436735 - Mount Nasolot, near (0149N 3518E): **ROM**: 73422 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **CAS**: 11954; **ROM**: 78211 - Ol Jogi Dam (00 19 29 N 36 56 05 E): **MMU**: PWW2712 - Ol Tukai lodge (024001S 371700E): **MSU**: MR.9819 - Pyramid Camp (00 18 34 N 36 04 34 E): **MMU**: PWW2721, PWW2722, PWW2723, PWW2724 - Ruivi [= Ruaraka] (01 14 S 36 53 E, 5300 ft): **SMF**: 35851 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **FMNH**: 152704; **USNM**: 375916, 375917 - State Loge Campsite (00 06 34 S 34 44 46 E): **MMU**: PWW2992, PWW3002 - Suam River (01 48 00 N 35 09 00 E): **WAM**: M16526.

Lesotho:

Unknown locality: **BMNH**: 1904.12.5.2, 1908.7.2.10, 1908.7.2.11, 1908.7.2.12, 1908.7.2.13, 1908.7.2.6, 1908.7.2.7, 1908.7.2.8, 1908.7.2.9 - Botsoela [= Malealea] (2950S 2715E): **NMB**: 8654, 8655, 8657 - Fort Hartley, 10 mi NE [=Quthing, 10 mi NE] (3020S 2745E): **USNM**: 422510, 422511, 422512, 422513, 422514, 422515, 422516, 422517, 422518, 479485, 479486, 479487, 479488, 479489, 479490, 479491, 479492 - Marakabei (2937S 2807E): **NMB**: 7270, 7354 - Pelaneng River, along (29 03 S 28 28 E, 2200 m): **DNSM**: 6847 - Quthing (3011S 2752E): **NMB**: 8223, 8224, 8225, 8226, 8227, 8228, 8229 - Teyateyaneng (ca. 2908S 2744E): **TM**: 7381, 7382.

Liberia:

Nimba, mount (0739N 0830W): **RBINS**: 16786.

Madagascar:

Ambadiramique: **MNHN**: ZM-MO-1882-1564 - Andrambovato, 2 km NE (2130S 4727E, 550 m): **USNM**: 449314 - Andreaba (223100S 465000E, 734 m): **MNHN**: ZM-MO-1985-1052 - Anzahameru: **BMNH**: 1877.2.19.6 - Boanamary, 3 km NE (ca. 1550S 4619E, 0 m): **USNM**: 328730 - Didy, 7 km N (ca. 1807S 4832E): **USNM**: 328729 - Kianjavato, 0.5 km N (2123S 4752E, 300 m): **USNM**: 448887, 448935, 448936, 448937 - Mistinjo: **MNHN**: ZM-MO-1890-211, ZM-MO-1947-860 - Tananarive (185500S 473100E, 1288 m): **MNHN**: ZM-MO-1957-1447, ZM-MO-1985-414 - Tuléar (232100S 434000E, 20 m): **MNHN**: ZM-MO-1985-950.

Malawi:

Unknown locality: **BMNH**: 1987.1121, 1987.1122, 1987.1123, 1987.1124, 1987.1126, 1987.1127, 1987.1128, 1987.1129 - Chimpeni Estate (1524S 3526E): **DCDH**: 3031, 3034 - Dzalanyama Forest Reserve (1418S 3329E): **DCDH**: 3128 - Kapalasa Farm (1531S 3511E): **DCDH**: 2995, 3041 - Kasungu-NP (1303S 3309E): **BMNH**: 1987.1125; **DCDH**: 2619, 2626 - Likabula mission (15 57 S 35 24 E): **TM**: 41796 - Lilongwe (1359S 3346E): **HZM**: 6.2208 - Liwonde National Park (14 52 S 35 21 E, 700 m): **DCDH**: 2984 - Luwawa dam (1207S 3344E, 1700m): **DCDH**: 2664, 2669 - Ncheu [=Ntcheu] (14 49 S 34 38 E, 1081 m): **TM**: 41028, 41029, 9168 - Thondwe (1527S 3515E): **DCDH**: 2857 - Zomba town (1523S 3519E): **DCDH**: 2225, 2355, 2430.

Mozambique:

Chinizuia Forest (18 58 38 S 35 03 20 E): **DNSM**: 8533 - Javane (21.25S 34E): **NHMZ**: 63211 - Mungari, 5 km N (17 10 00 S 33 33 00 E, 500 m): **USNM**: 365410 - Zinave NP (21.37S 33.87E): **NHMZ**: 63210.

Namibia:

Unknown locality: **FMNH**: 89453; **ZMB**: 55521 - 12 mi [= 19 km] E Windhoek,Finkenstein Farm (223306S 171447E): **MVZ**: 117197, 117198, 117199, 117200, 117201, 117202, 117203, 117204, 117205, 117206, 117207, 117208, 117209, 117210 - Bezarode Farm (22.63S 17.13E): **NHMZ**: 64117 - Diamond Area 1 (28.55S 16.42E): **SMW**: 10078 - Dose Pan

(18.13S 20.88E): **SMW**: 10617 - Elseb R. (20.63S 20.63E): **SMW**: 12408 - Etosha NP, Halali (19.13S 16.38E): **SMW**: 12680 - Etosha Pan (1832S 1649E, 3373 ft): **BMNH**: CN1083, CN1084, CN1097, CN1098 - Evergreen campsite (21 26 46 S 15 52 45 E): **TM**: 49111 - Farm 397 (2212S 1858E): **TM**: 6057 - Farm Rheinvels (2657S 1726E): **TM**: 32547, 32548, 32567 - Farm Sandfontein 468 (22 18 S 19 59 E, 4100 ft): **KM**: 2122, 2123, 2127, 2128, 2130, 2131, 2136, 2138, 2139, 2140, 2143, 2144, 2146 - Gam (20.3S 20.58E): **USNM**: 295193 - Gam (2014S 2045E, 1069 m): **USNM**: 295194 - Ghaub Farm (19 29 02 S 17 46 41 E): **NMP**: pb5880 - Gobabis (22.45S 19.87E): **KM**: 2117 - Gobabls, 70 km NE (21.26S 18.96E): **LACM**: 56259 - Kaoko Veld, southern part (ca. 1900S 1300E): **FMNH**: 84190, 84191, 84192, 84193, 84194, 84195, 84196, 84197 - Karakuwisa (15 56 S 19 44 E, 1350 m): **SMF**: 26986 - Karibib (21 56 S 15 50 E, 1139 m): **SMNS**: 2928 - Karibib or Okahandja: **SMF**: 15446 - Karochos (2022S 1458E): **TM**: 9477 - Koës (2557S 1907E): **ZMB**: T09988 - Koes, 89 km ENE (26.27S 19.5E): **LACM**: 41660 - Kuiseb River (2315Ca): **TM**: 14773, 14774 - Liebig's Ranch (2238S 1653E): **TM**: 8305, 8306, 8307, 8308, 8309 - Muckwe (18.12S 21.62E): **KM**: 2164 - Okahandja (21 59 S 16 55 E, 1324 m): **FMNH**: 77500; **SMF**: 18173 - Omaruru (2122S 1524E): **TM**: 9476 - Omaruru, 30 km NW (20.97S 15.3E): **LACM**: 56234 - Omatagous (2158S 1655E): **TM**: 6834 - Ombonde (19.55S 14.53E): **SMW**: 10924 - Ombonde Farm 616 (1933S 1432E): **CM**: 93179, 93180, 93181 - Omburo [=Omburu] (21 18 00 S 16 12 00 E): **ZMB**: 86231 - Omega (18.05S 22.18E): **SMW**: 9905 - Ondongwa (3378 ft): **BMNH**: CN1149 - Opuwo, 70 km S (17.47S 13.03E): **LACM**: 59104 - Osjitambi farm (19.60569S 15.60904E): **FMNH**: 78158 - Otjiwarongo, 60 km SE (20.92S 16.87E): **LACM**: 56244 - Otjosangombe (ca. 2021S 1755E): **MCZ**: 34908 - Outjo, W (20.13S 15.88E): **KM**: 2148 - Quickborn (2109S 1705E): **TM**: 3380, 3381 - Rehderstal ranch: **AMNH**: 233005 - Rundu, 75 km S (18.53S 20.83E): **LACM**: 59099 - Rundu, S (18.6S 19.7E): **KM**: 2168 - Samsitu campsite (17 51 01 S 19 40 07 E): **TM**: 48694 - San Michelle (17.88S 23.38E): **SMW**: 13597 - Sandfontein (farmstead) (22 18 S 19 59 E, 4100 ft): **DNSM**: 40 - Ssannakanu village (1806S 2023E): **KM**: 2170, 2171, 2173, 2174, 2175, 2177, 2178, 2179 - Ssanukanu (1806S 2023E): **FMNH**: 48731, 48732, 48733, 48734 - Swartkop (2833S 1625E): **TM**: 32657, 32658, 32682, 32683, 32684, 32686, 32687 - Swartkop Diamond Area No.1 (2833S 1625E): **TM**: 32659, 32685 - Waterberg district: **SAMC**: 3967 - Welverdien Farm 328 (2542S 1959E): **CM**: 93177 - Wilhelmstal, 47 km S (22.33S 16.36E): **LACM**: 41673.

Nigeria:

Unknown locality: **BMNH**: 1979.1732, 1979.2122 - Chappal Waddi (0701N 1141E, 1900m): **SMNS**: 41342.

Senegal:

Mount Assirik (12 53 N 12 43 W): **IVB**: S1787.

Sierra Leone:

Unknown locality: **BMNH**: 1961.105, 1962.1808.

South Africa:

Unknown locality: **BMNH**: 1844.2.16.7, 1846.6.2.17, 1877.8.8.1, 1898.4.4.7, 1898.6.29.2, 1904.3.1.50, 1906.8.2.5, 1907.1.1.377, 1923.5.9.10, 1923.5.9.11, 1923.5.9.12, 1923.5.9.13, 1923.5.9.14, 1923.5.9.15, 1923.5.9.16, 1923.5.9.18, 1923.5.9.19, 1923.5.9.21, 1923.5.9.22, 1923.5.9.23, 1923.5.9.4, 1923.5.9.5, 1923.5.9.6, 1923.5.9.7, 1923.5.9.8, 1923.5.9.9, 1925.7.9.3; **ZMA**: MAM.01961 - "Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: **MNHN**: ZM-MO-1985-1057 - ??? (2506.642S 3028.683E): **TM**: 47669, 47670, 47671 - 27 Arnold Road (2553S 2814E): **TM**: 47091, 47100 - 38 Andries Street (254433S 281124E): **TM**: 1071 - 40 miles W of War Grave, Molopo River (2526Cc): **TM**: 7011 - Aberdeen (32.36S 23.45E): **KM**: 24659 - Albany District (33.32S 26.37E): **KM**: 2019 - Albany district (ca. 2715S 2658E): **SAMC**: 390 - Alexandria (33.5S 25.75E): **KM**: 20064 - Aliwal North (3026Dc): **NMB**: 5710, 5711, 5712 - Aliwal North (3026Dd): **NMB**: 4324 - Alma (ca. 2938S 2508E): **TM**: 11785, 7847 - Amanzimtoti (30 03 00 S 30 52 48 E, 50 m): **DNSM**: 13106, 13131, 13139, 13355 - Amatikulu Mountain (29 41 42 S 30 55 12 E): **DNSM**: 8670 - Animal Lodge (29 45 40 S 30 40 24 E): **DNSM**: 13134 - Anthrax camp (22 25 30 S 31 12 30 E): **KNP**: 140; **TM**: 36839, 36909, 37811, 37862 - Ashburton, farm (29 40 00S 30 28 00 E, 760 m): **TM**: 33399 - Augrabies Falls-NP, causway (283548S 201948E): **MMK**: MAM/7053 - Badplaas (25 57 10 S 30 34 00 E, 1058 m): **DNSM**: 5354, 5376 - Barberspan Provincial Nature Reserve (2534S 2635E): **TM**: 23465, 23466, 23467, 23468, 23469, 23470, 23481, 23482 - Barberton, 14 km NW (2547S 3054E): **CM**: 41022, 41054 - Barkley East (31.08S 27.45E): **KM**: 25021 - Barkly East (3027Db): **NMB**: 4989 - Barkly East (3027Dc): **NMB**: 4560, 4562, 4563 - Bassutoland: **MNHN**: ZM-MO-1889-473 - Bedford (32.65S 26.18E): **MCZ**: 37059 - Belfast Town (254100S 302000E): **NMB**: 7781 - Belfonan: **DNSM**: 13132 - Berg River (3352S 1907E): **TM**: 2282, 2285 - Bethlehem (2828Cb): **NMB**: 7660 - Bethulie (3025Db): **NMB**: 3747, 3748, 3754, 3755 - Birchleig (2606S 2813E): **TM**: 15181, 15957 - Blaney Nature Reserve (3252S 2723E): **BMNH**: 1925.7.9.4 - Blijdschap PNR (2315S 2946E): **TM**: 24174 - Bloemfontein (29 08 00 S 26 12 00 E, 1423 m): **NMB**: 1636, 1637, 1638, 1659, 1660, 1673, 2189, 2595, 3122, 3955, 4103; **ZMA**: MAM.01959 - Bloemfontein (2926Aa): **NMB**: 6295, 6298, 6299, 6302, 6303 - Bloemfontein, 21 km N (28.93S 26.33E): **USNM**: 344288 - Blouberg Private Nature Reserve] (23 02 S 29 07 E, 584 m): **DNSM**: 13583, 13584, 13589; **TM**: 24083, 24084, 24085, 24086, 24088, 24089, 24104 - Bluff (29 55 54 S 31 00 48 E, 20 m): **DNSM**: 7249 - Bobomene Research Camp (222550S 311250E): **TM**: 39496 - Bontebok NP (34.07S 20.45E): **KM**: 26329 - Boshof (2825Aa): **NMB**: 7849, 7850, 7851, 7853, 7854, 7855, 7856, 7857, 7858, 7859, 7872, 7873, 7874, 7875, 7876, 7877, 7878 - Boshof (2825Cb): **NMB**: 3187 - Boshof [Hertzogville] (2825Aa): **NMB**: 3777, 3780, 3783 - Boskop Dam Nature Reserve (2627Ca): **TM**: 41849, 41850 - Boston (ca. 29 40 S 29 57 E): **DNSM**: 7502 - Bothaville (2624S 2637E): **TM**: 2545 - Brakfontein (330840S 232557E): **USNM**: 342590, 342591, 342592, 342593, 342594, 342595, 342596, 342597, 342598, 342599, 342615, 342616, 342617, 342618, 342619 - Brakfontein, 18 km N (33.12S 23.45E): **USNM**: 342589 - Brandfort (2826Cc): **NMB**: 4292 - Brandfort (2838S 2623E): **TM**: 17041, 17042, 17043, 17044, 17045, 17046 - Bredasdorp (34 23 04 S 19 49 27 E, 166 m): **KM**: 30858 - Bredill (26 10 S 28 18 E): **TM**: 39934 - Bronkhorstspruit Dam Nature Reserve (255608.5S 284116.0E): **TM**: 46875 - Brooklyn (2546S 2815E): **CM**: 40687 - Bryanston, 883 Lowndees Road (2604S 2805E): **TM**: 20859 - Bube pan (27 47 S 32 12 E): **TM**: 35309, 35310, 35311, 35312, 35313, 35314 - Buffelshoek Farm 446 KQ (244018S 272138E): **USNM**: 575286 - Buffelskloof Private Nature Reserve (25 18 S 30 30 E): **TM**: 46914 - Bultfontein (2825Bd): **NMB**: 3018, 3019, 3020, 3021, 3022 - Burgers Park (2543S 2811E): **TM**: 14067, 14068 - Buxton Mine (27 37 S 24 37 E, 1087 m): **ZMA**: MAM.22656, MAM.22657 - Calvinia (31.54S 20.49E): **KM**: 12724 - Cape of Good Hope: **ZMB**: 39959 - Cape Town (33 55 00 S 18 25 00 E, 6 m): **MCZ**: 4555 (Holotype *Scabrifer notius*) - Carolina (26 04 09 S 30 06 54 E, 1788 m): **DNSM**: 9872 - Cathcart (321800S 270800E, 1168 m): **AMNH**: 244303, 244304 - Cathcart (3218S 2708E): **AMNH**: 244305 - Cato Ridge, 3 km NE (2937S 3037E): **TM**: 25464 - Cederberg, Algeria State Forest (3221S 1903E): **TM**: 40632 - Cederberg, Algeria State Forest (3224S 1908E): **CM**: 94988, 94990 - Cederberg, Algeria State Forest, campsite (3221S 1903E): **SAMC**: 41452; **TM**: 35095, 35105, 38413, 38414, 38434, 38435 - Cederberg, Pakhuis Pass, Kliphuis camp site (320810S 190010E, 693m): **SAMC**: 41457 - Chelmsford Nature Reserve (27 57 54 S 29 55 18 E, 1253 m): **DNSM**: 12995, 12996 - Christian Brothers College (2544S 2816E): **TM**: 45986 - Clanwilllam, NE (32.07S 19.08E): **KM**: 2090 - Clarens (28 28 00 S 28 26 00 E): **DNSM**: 5642 - Clarens, near (ca. 28 28 00 S 28 26 00 E): **DNSM**: 89 - Coloniesplaats (315934S 244758E): **USNM**: 344276, 344277, 344278, 344279, 344280 - Compagnies

Drift (3207S 1827E): **HZM**: 40.4741; **MCZ**: 37224, 37225 - Cradock, 25 km SE (ca. 3211S 2537E): **CM**: 41025, 41026, 41027, 41028 - Cradock, 40 km NW (ca. 3211S 2537E): **CM**: 41029, 41031, 41032, 41033, 41034, 41035 - Craigadam (27 30 17 S 31 22 19 E): **TM**: 31728 - Culling camp (22 25 40 S 31 15 15 E): **TM**: 37834, 37835, 37836, 37837, 37838, 37839, 37840, 37843, 37935, 37936 - De Aar (30.73S 23.92E): **KM**: 24499 - de Hoek (32.25S 25.75E): **NHMZ**: 63209 - De Hoop Provincial Nature Reserve (3318S 2516E): **USNM**: 342600, 342601, 342602, 342604, 342620, 342621, 342622, 342623, 342634 - De Hoop, 24 km NNE (33.38S 20.38E): **USNM**: 342603 - Deelfontein, Farm (310200S 234600E): **USNM**: 342606, 342607, 342608, 342609, 342610, 342611, 342612, 342613, 342614, 342635, 342636, 342637 - Dewetsdorp (2926Ad): **NMB**: 3584, 3629, 3630 - Dlinza Forest (28 53 59 S 31 27 00E, 515 m): **DNSM**: 5355 - D'Nyala Provincial Nature Reserve (23 45 S 27 48 E): **TM**: 19950, 40932 - Doorndraai Dam Nature Reserve (2416S 2843E): **TM**: 44062 - Doornkraal Camp Site (27 30 27 S 31 12 25 E): **DNSM**: 5622, 5623, 5624, 5625, 5626, 5627, 5628 - Doornkraal campsite (27 30 27 S 31 12 25 E): **DNSM**: 5890, 5891; **TM**: 31754, 31755 - Dordrecht (3126Bd): **NMB**: 5127 - Dordrecht (3127Ca): **NMB**: 5814, 5815, 5816 - Dullstroom Town (25.42106S 30.10776E, 2003m): **TM**: 47668 - Dullstroom Town (252515.82S 300627.72E): **TM**: 47667 - Durban (29 51 S 31 00 E): **DNSM**: 6911 - Edenburg (2925Db): **NMB**: 3006, 3007 - EKZN Wildlfe Headquarters (29 33 59 S 30 19 15 E): **DNSM**: 1108, 4776, 5051, 7081 - Elliot (3127Bd): **NMB**: 4674, 4675 - Elliot (3128Ac): **NMB**: 4918 - Elliotdale [= Xhora] (32.23S 28.92E): **KM**: 26123 - Ellisras, 8 km NE (23.63S 27.82E): **USNM**: 342624 - Erfplaas windmill (2357S 3107E): **TM**: 36567, 36573, 36575, 36576, 36577, 36578 - Eshowe (28 53 S 31 28 E, 540 m): **BMNH**: 1904.8.31.3 (Holotype *Vespertilio capensis gracilior*); **TM**: 5993 - Excelcior (2856S 2704E): **HZM**: 1.711, 2.712 - Farm 489, Hennops River (2548S 2759E): **TM**: 3492, 3742 - Farm Aasvogelrand-Oost 291 (2652S 2722E): **NMB**: 5885, 5886, 5887, 5888, 5891, 5892, 5894, 5896, 5897 - Farm Al-te-ver 103 (2246S 2828E): **TM**: 26673, 26674 - Farm Badfontein 114JT, Kwena (2517.500S 3023.264E): **TM**: 47086 - Farm Blaauwbank 168JS (251900S 294700E): **TM**: 46476, 46477 - Farm Buffel Rivier Poort (3322S 2137E): **KM**: 29433, 29437, 29438, 29439, 29448 - Farm Deelfontein (ca. 3052S 2352E): **BMNH**: 1902.9.1.2 - Farm Doornkraal (27 30 27 S 31 12 25 E): **TM**: 31773, 31774 - Farm Doornpan (27 34 12 S 31 14 05 E): **TM**: 31805 - Farm Duiwelskloof 376 [=Mokeetsi] (23 42 S 30 08 E): **TM**: 3038 - Farm Evergreen (2229Ca): **TM**: 32294 - Farm Ferndale (2538S 2624E): **TM**: 23287 - Farm Florisbad 686 (2846S 2605E): **NMB**: 7751, 7752, 7762, 7763, 7764, 7765, 7766, 7767, 7768, 7769, 7770, 7771, 7772, 7773, 7774, 7775, 7776, 7777 - Farm Gouna (3122S 2037E): **KM**: 28985, 28986, 28990, 28991, 28994, 28995 - Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence (2213S 2922E): **TM**: 40103, 40104, 41417 - Farm Greefswald 37MS, Shashi-Limpopo confluence (2213S 2922E): **CM**: 105708, 105709, 105711, 105712 - Farm Grootfontein (2739S 2401E): **TM**: 35818, 35819, 35820, 35821, 35822, 35830, 35831, 35832, 35833, 35834, 35835, 35836, 35837, 35839, 35843, 35844, 35845, 35846, 35851, 35857, 35858, 35859, 35860, 35861, 35862, 35863, 35864, 35865, 35866, 35867, 35868, 35869, 35870, 35871, 35872, 35873 - Farm Groothoek 99 (242100S 290748E): **TM**: 23384, 23410 - Farm Harmony 140KT (24 16 22 S 30 36 50 E): **TM**: 48127, 48145 - Farm Hartebeesthoek (24 47 S 27 45 E): **TM**: 39430, 39431, 39432 - Farm Helena 780 (2653S 2723E): **NMB**: 3171 - Farm Kaalfontein 261, Ubumanzi Game Farm (2412S 2835E): **TM**: 45129 - Farm Keikamspoort 71 (2950S 2247E): **TM**: 27230, 27231, 27236, 27237, 27251, 27252, 27253, 27254, 27255, 27256, 27257, 27258, 27259, 27260, 27261, 27262, 27275, 27276, 27277, 27278, 27291 - Farm Kersefontein [=Berg River] (32 54 13 S 18 19 51 E): **DNSM**: 7192, 7193, 7196, 7199, 7200, 7204, 7205, 7206, 7207, 7208; **TM**: 2280, 2281, 2283 (Holotype *Eptesicus melckorum*), 2284 - Farm Klipsteen 67JT (2513.410S 3018.193E): **TM**: 47089 - Farm Leeudraai 221JR (25 22 15 S 28 33 58 E): **TM**: 49191, 49192, 49193 - Farm Leeuwspoor 647, on Pongola river (2725S 3152E): **TM**: 24961 - Farm Marthavale (2721S 2358E): **TM**: 28213, 28262, 28263, 28264, 28265 - Farm Nakaetsi 376 (2340S 3005E): **TM**: 2544, 3037 - Farm Narap (2953S 1745E): **TM**: 27935, 28002, 28003, 28004 - Farm Northern Kakamas, behind cottages at Khamkirri (2839S 2026E): **TM**: 47583 - Farm Nydas [=Cnydas] (2819S 2034E): **TM**: 32542, 32545 - Farm Okhotso Boekenhoutskloof (25 31 00 S 28 25 00 E): **TM**: 37103 - Farm Olivewood 284 (2710S 2249E): **CM**: 105699, 105700, 105701, 105702, 105703, 105704, 105705, 105706, 105707; **TM**: 41517, 41518, 41519, 41520 - Farm Onverwacht 544JT, Sjonajona (2545.628S 3042.076E): **TM**: 46630 - Farm Othawo 242, Sabie Sand Private Nature Reserve (2445S 3126E): **TM**: 24008, 24910, 24941 - Farm Randstephne 455KQ (24 36 58 S 27 39 31 E, 993 m): **TM**: 49186, 49188 - Farm Ratsegaai 204 (2622S 2632E): **TM**: 27752, 27767, 27768, 27769, 27772, 27773, 27774, 27775, 27776, 27777, 27778, 27779, 27780, 27781, 27782, 27783 - Farm Regina 68 [=V.L.N.R.] (222248S 291612E): **TM**: 45381 - Farm Rietfontein 404 (26 46 00 S 27 43 30 E): **TM**: 45799, 45800, 45801, 45802, 45803 - Farm Rolspruit 127 (2621S 2853E): **TM**: 27079 - Farm Roodepoort 386 (2655S 2923E): **TM**: 25056, 25057, 25058, 25059 - Farm Sparta (24 48 00 S 31 30 00 E): **KNP**: 173 - Farm Tangala 87 (2427.5S 3110E): **TM**: 41158 - Farm Victoriaspoort 18IT (2607S 3022E): **TM**: 46376 - Farm Vygeboschlaagte 236JQ (2520S 2801E): **TM**: 1070 - Farm Wagondrift 230 (3213S 1821E): **TM**: 39387, 39388, 39389, 39396, 39397, 39398, 39399, 39400, 39401, 39402 - Farm Wakefield 2369 (ptn 13) (29 29 13 S 29 53 53 E): **TM**: 49182, 49183 - Farm Waterval (2552.506S 3018.164E): **TM**: 47008, 47009, 47010, 47011 - Farm Welgedaan 292 (2741S 2514E): **TM**: 20832, 20833, 20841, 20842, 20843, 20844, 20845, 20846, 20847, 20848 - Farm Welgevonden 449 (23 32 S 28 26 E, 860 - 1277 m): **TM**: 23327 - Farm Welgevonden 969 (29 19 55 S 30 16 39 E): **TM**: 49184 - Farm Witpoort 419 (2640S 2720E): **TM**: 23519, 23521, 23522 - Farm Woodstock (2734S 2322E): **TM**: 35705, 35728, 35729, 35730, 35731, 35732, 35733, 35734, 35735, 35736 - Farm Zeekoegats Drift (3337S 2137E): **KM**: 29453, 29454, 29455, 29462, 29463 - Farms Grootsuikerboschkop & Elandslaagte (2530Ac): **TM**: 23799, 23800, 23801, 23802, 23803, 23804, 23815 - Fauresmith (2925Cd): **NMB**: 3661, 3662, 3663, 3664 - Ficksburg (2827Dd): **NMB**: 6536, 6537 - Fig Tree Camp (22 26 00 S 31 11 00 E): **TM**: 36760 - Fig Tree Camp (2225S 3111E): **CM**: 98534, 98535, 98536 - Figtree camp (222550S 311150E): **TM**: 36123, 36124, 36125, 36560, 36561, 36615, 36618, 36707, 36708, 36710, 36713, 36758, 36796, 36864, 36919, 36920, 36921, 36929, 36930, 37000, 37437, 38164, 38168, 39460 - Figtree forest (2225S 3115E): **TM**: 37679, 37681, 37692, 37693 - Flagstaff (30.9S 29.53E): **KM**: 32638 - Forest Hills (29 45 S 30 49 E, 534 m): **DNSM**: 7017 - Fouriesburg (2828Cb): **NMB**: 4162, 4163 - Fram Middelwater 750 (2737S 2522E): **NMB**: 7802, 7803, 7804, 7805, 7806, 7807, 7808, 7809, 7810 - Ganyesa (2632S 2407E): **MMK**: MAM/7061 - Gauteng province: **SMF**: 58424 - Gazankulu, Manyeleti Game Reserve, Main Camp (2438S 3128E): **TM**: 38883 - Geelbek (3311S 1807E): **TM**: 41959 - Giants Castle Game Reserve (2921S 2929E): **TM**: 38390 - Gillets (29 46 41 S 30 47 49 E, 581 m): **DNSM**: 11428 - Glen (28 56 S 26 20 E): **USNM**: 354449, 354450 - Glen (2856S 2620E): **USNM**: 344289, 344290, 344291, 344292, 344293, 344294, 344295, 344296, 344297, 344298, 344299, 344300, 344301, 344302, 344303, 344304, 344305, 344306, 344307, 344308, 344309, 344310, 344311, 344312, 344313, 354441, 354442, 354443, 354444, 354445, 354446, 354447 - Glengarry Park (30.25S 29.6E): **DNSM**: 3868, 3869 - Gloria (3107S 2652E): **NMB**: 4998, 5002, 5009, 5013, 5017, 5021, 5025 - Goegap Nature Reserve (2940S 1759E): **TM**: 42097 - Goraas, Farm FrQ 2.9 (3110S 2135E): **TM**: 27363, 27364, 27365, 27366, 27367, 27368, 27369, 27370 - Graaff Reinet, 23 mi SE (3227S 2445E): **USNM**: 424103 - Graaff Reinet, 30 km SE (32.45S 24.75E): **USNM**: 424102 - Graaff Reinet, 40 km N (31.78S 24.82E): **USNM**: 344275 - Grahams Town (331800S 263200E, 500 m): **MNHN**: ZM-MO-1997-1954 - Grahamstown (33 18 S 26 32 E, 500 m): **BMNH**: 1848.6.12.18 (Lectotype *Vespertilio Capensis*),

1849.8.16.21 (Lectotype *Vespertilio Capensis*); **MCZ**: 25176, 25177; **TM**: 43148 - Grahamstown, 17 km SSW (33.38S 26.2E): **USNM**: 344281 - Groenkloof (25 48 S 28 12 E): **TM**: 46820, 47673 - Groot Marico, 8 km SE (25.63S 26.4E): **TM**: 23237 - Hanover (3124Ab): **NMB**: 8623, 8624, 8626 - Hans Merensky Nature Reserve (2340S 3041E): **TM**: 41109, 41110 - Harrismith (2828Bb): **NMB**: 7842, 7843, 7844, 7845, 7846, 7889 - Harrismith (2828Bd): **NMB**: 1533 - Harrismith (2829AC): **TM**: 12858, 12859 - Harrismith [Kestell] (2828Bd): **NMB**: 3367 - Harrismith [Warden] (2729Cc): **NMB**: 7701, 7704, 7730 - Harrismith district (2829AC): **TM**: 12860 - Heilbron (2727Bb): **NMB**: 3813, 3814, 3815, 3816, 3817 - Hella Hella Game Valley Estates (29 54 S 30 05 E, 564 m): **DNSM**: 6894 - Hennops River (25 49 34 S 27 59 05 E): **DNSM**: 6242, 6243, 6244 - Hilton (29 31 S 30 18 E, 1140 m): **DNSM**: 5964 - Hluhluwe Game Reserve, Research camp (28 04 S 32 02 E): **TM**: 44392, 44395 - Honingkloof Farm (28 30 41 S 28 42 44 E): **NMB**: 9231 - Hoopstad (2725Da): **NMB**: 11940 - Hoopstad (2725Dd): **NMB**: 12211 - Hopetown, near (29.81S 23.58E): **KM**: 24506 - Hout Bay (3404S 1822E): **AMNH**: 244306 - Howick (29 28 S 30 14 E, 1056 m): **DNSM**: 5449 - Howick (29 29 S 30 14 E, 1044 m): **DNSM**: 11431 - Humansdorp (33.98S 23.65E): **KM**: 24811 - Ingwavuma (2708S 3202E): **TM**: 7123 - Irene (2552S 2814E): **TM**: 46886, 47715, 47716 - Irene, Agricultural Research Council [= ARC] grounds: **TM**: 46819 - Ithala [=Itala] Game Reserve, Main camp (27 32 46 S 31 18 49 E): **DNSM**: 5368 - Ithala Game Reserve (27 33 36 S 31 12 36 E, 922 m): **DNSM**: 5621, 5892, 5893, 5894, 5899, 5902, 5903 - Jagersfontein Commonage (2925Cb): **NMB**: 7581, 7593, 7594, 7599, 7602, 7616, 7621, 7641, 7645, 7679, 7684, 7687, 7690, 7696, 7698 - Jagersfontein Commonage, Disused mine (2939S 2523E): **NMB**: 7578, 7579, 7584, 7585, 7595, 7600, 7601, 7603, 7604, 7605, 7606, 7609, 7611, 7617, 7618, 7619, 7625, 7629, 7633, 7634, 7635, 7636, 7639, 7642, 7643, 7646, 7647, 7675, 7677, 7680, 7681, 7682, 7683, 7685, 7686, 7688, 7689, 7691, 7692, 7693, 7694, 7695, 7697, 7699 - Jamestown (3128Ba): **NMB**: 5634 - Johannesburg (2611S 2804E): **TM**: 1069, 43142, 46846 - Jonker Trust Farm (24 37 05 S 27 39 08 E): **TM**: 49069, 49189, 49190 - Jonkershoek Nature Conservation Research Station (3400S 1858E): **TM**: 40550, 40557, 40558, 40559 - Jonkershoek research station (3400S 1858E): **CM**: 94991, 94992, 94993, 94994 - Kabbefontein (ca. 23 03 S 29 54 E): **TM**: 43149, 43150, 43151, 43152 - Kaggasmoudt (3207S 2637E): **KM**: 2036, 20188, 2022, 2035 - Kalahari Gemsbok NP (25.57S 20.68E): **ROM**: 45807, 45808, 78210 - Kalahari Gemsbok-NP, Bayip (2537S 2037E): **TM**: 35680, 35688 - Kalahari Gemsbok-NP, Dankbaar (2537S 2037E): **TM**: 35681, 35689, 35690, 35691, 35692, 35693 - Kalahari Gemsbok-NP, Kameelsleep (2550S 2046E): **TM**: 17507, 38733, 38734 - Kalahari Gemsbok-NP, Leeuwdril (2607S 2051E): **TM**: 35604, 35605, 35606, 35607, 35608, 35609, 35610, 35611 - Kalahari Gemsbok-NP, Rooikop (2537S 2037E): **TM**: 35612, 35613, 35614, 35615, 35616, 35617, 35618, 35619, 35620, 35621, 35639, 35640, 35641, 35642, 35643, 35644, 35645, 35646, 35647, 35648, 35649, 35650, 35651, 35652, 35653, 35654, 35655, 35656, 35657, 35658 - Kalahari-Gemsbok NP, Nossob (26.43S 20.63E): **USNM**: 451066 - Kalahari-Gemsbok NP, Nossob Camp (26.43S 20.63E): **USNM**: 451067 - Kamberg Nature Reserve (29 29 S 29 41 E, 1800 m): **DNSM**: 4457, 4458; **TM**: 36099 - Karoo-NP (3220S 2233E): **TM**: 29512, 29513, 29531, 29604, 29613, 29614 - Kgaswane Nature Reserve (25 43 13 S 27 11 07 E): **TM**: 48660, 48661 - Khamkirri Private Game Reserve, site 2 (283859.06S 202639.48E): **TM**: 47580, 47585 - Kimberley (28 48 S 24 46 E): **DNSM**: 3932 - King Willlam's Town (32.87S 27.37E): **NHMZ**: 63519 - King William's Town (32 53 00 S 27 24 00 E, 363 m): **KM**: 13280, 18135, 19297, 19369, 19374, 1998, 1999, 2003, 2004, 2005, 2006, 2007, 24306, 24307, 24308; **MCZ**: 37056, 37057, 37058 - King Williamstown (32 53 00 S 27 24 00 E, 363 m): **AMNH**: 146790, 168166 - King's Beach (33.88S 25.25E): **KM**: 19238 - Kingsburgh (30 05 00 S 30 52 00 E, 51 m): **DNSM**: 13358 - Klein Namaqualand, Garies (3030S 1800E): **MVZ**: 117193, 117194, 117195, 117196 - Kleinfontein (2525S 2620E): **USNM**: 575287 - Kleinpoort (3320S 2403E): **TM**: 6652 - Kloof (29 47 S 30 50 E, 497 m): **DNSM**: 13121, 5736, 8822, 8829 - Kloof (29 47 S 30 50 E, 498 m): **DNSM**: 6370 - Kloof (29 47 S 30 50 E, 533 m): **DNSM**: 8809 - Kloof (29 47 S 30 50 E, 570 m): **DNSM**: 5756 - Knoffelfontein (2953S 2450E, 1233 m): **USNM**: 344274, 344284, 344285, 344286, 344287 - Knoffelfontein, 22 km S (29.9S 24.9E): **USNM**: 344273 - Knysna (3402S 2303E): **TM**: 43146 - Koegelbeen Cave (28 39 11 S 23 20 55 E): **DNSM**: 10133 - Koegelbeen Caves (2823Cb): **NMB**: 7508 - Koppies (2727Bc): **NMB**: 3381, 3382, 3383, 3392, 3393, 3394, 3395, 3413 - Krugersdorp (26.02S 27.73E): **ROM**: 51092 - Kuduskop (32 59 00 S 25 11 15 E): **DNSM**: 7082, 7083 - Kumasinga Pan (27 47 S 32 12 E): **DNSM**: 10696 - Kuruman (2727S 2325E): **BMNH**: 1904.10.1.10; **TM**: 35772, 35773, 35774, 35775, 35776, 35777, 35778, 35779, 35780, 35781, 35782, 35783, 35784, 35785, 35786, 35787, 35788, 35789, 35790, 35791, 35792, 35794, 35795, 35796, 35797, 35798, 35799, 35800, 35801, 35802, 35803, 35804, 35805, 35806, 35807, 35808, 35809, 35810, 35811, 35812, 35813 - KwaMakuta Township (30 03 S 30 53 E): **DNSM**: 7426 - Kyalami Kennels (2528CC): **TM**: 46884 - Lady Grey (3027Ca): **NMB**: 4212 - Ladybrand (2927Ab): **NMB**: 1690, 2631 - Ladybrand (2927Ac): **NMB**: 1697 - Ladybrand (2927Ba): **NMB**: 4060, 4061, 4062, 4063 - Ladyselborne (2542S 2808E): **TM**: 4768, 4769, 4770 - Lambert's Bay (32.12S 18.45E): **KM**: 2093 - Lamberts Bay, 6 km E (3205S 1820E): **CM**: 41036, 41037, 41038, 41039, 41040, 41042, 41044, 41045 - Lamberts Bay, 8 km E (3205S 1820E): **CM**: 41043 - Lapalala Wilderness area, Farm Dubbelwater (2352S 2809E): **TM**: 39793 - Lapalala Wilderness Area, Weltevreden Research Station, roadside on road to (2352S 2809E): **TM**: 39899 - Le Roux Farm (33 54 17 S 18 48 36 E): **TM**: 47691 - Lesetlheng (25 09 26 S 27 07 34 E, 1089 m): **NMP**: 95667 - Lessingshoogte (313400S 244400E): **MVZ**: 125932, 125933 - Letaba Highwater Bridge (23 48 40 S 31 34 56 E): **TM**: 39511, 39569 - Letaba Rest Camp, 1 km SE (23 51 43 S 31 34 47 E): **AMNH**: 257376 - Leuvuhu River (2226S 3111E): **TM**: 36431, 36436, 36437, 36439 - Levuvhu Bridge (2225S 3111E): **TM**: 37032 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **CM**: 69703, 69704, 69705; **TM**: 30485, 30486, 30489, 30535, 30536, 34225 - Limpopo province: **TM**: 48095 - Lions River (29 29 S 30 13 E): **TM**: 41177 - Lombardy Willows (2546S 2820E): **TM**: 12801, 12802 - Longtoon dam (2251S 3123E): **CM**: 69690, 69691 - Loskop windmill (2458S 3155E): **TM**: 39706 - Loster (2552S 2654E): **TM**: 2951 - Lotheni Nature Reserve (29 27 S 29 32 E, 1580 m): **DNSM**: 1909, 1910, 1911, 1912, 1913, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949 - Louisvale, Orange R. 1 mi N (2832S 2112E): **USNM**: 380568 - Luckhoff (2924Cb): **NMB**: 8758, 8759 - Luckhoff (2924Db): **NMB**: 2915, 2916 - Lusikisiki (31 21 43 S 29 34 24 E, 508 m): **KM**: 31229 - Lydenburg (2506S 3027E): **TM**: 43143 - Lydenburg (2510S 3029E): **ZMB**: 54266, 54267, 54271, 54273, 54274, 54279, 54281, 54451, 54581, 55515 - Lydenburg Fisheries: **TM**: 47733 - Lydenburg Fisheries (25 06 50 S 30 28 50 E, 1450 m): **TM**: 47101 - Lydenburg Krantz (2506S 3027E): **TM**: 43140, 43141 - Lywood (2546S 2816E): **ROM**: 78208, 78209 - Maclear (3028Cb): **NMB**: 5834, 5835 - Maclear (3028Cc): **NMB**: 5927 - Maclear (3028Cd): **NMB**: 5883 - Madikwe Game Reserve (24 45 58 S 26 22 16 E): **TM**: 48028, 48030, 48031 - Maditobe [= Witsand] Dam (22 41 S 31 02 E): **TM**: 39483, 39484 - Maditobepan (22 41 S 31 02 E): **CM**: 98537, 98538, 98539, 98540, 98541, 98542, 98543, 98544 - Mafikeng, 5 km outside: **TM**: 46440 - Magamba windmill (22 25 00 S 31 11 30 E): **TM**: 37226, 37227 - Mahogany Drive (22 40 36 S 31 01 07 E): **TM**: 29903 - Makalali (2359S 3150E): **TM**: 38263 - Malalane area (2528S 3130E): **TM**: 30031, 30032 - Malibali hide (27 37 58 S 32 11 03 E, 94 m): **DNSM**: 9513, 9517 - Malibali pan (27 37 58 S 32 11 03 E, 94 m): **TM**: 35246, 35247, 35249 - Manaba (2715S 3226E): **TM**: 6076 - Manditobe dam (22 41 S 31 02 E): **TM**: 37291 - Mansiya (28 02 13 S 32 02 57 E): **DNSM**: 8055 - Manxeba windmill (22 24 S 31 14 E): **TM**: 37120, 37231, 37941 - Maria van Riebeeck Nature Reserve (255248S 281648E): **TM**: 19593, 19594, 19595 - Marie se Gat (25 38 S 20 38 E): **TM**: 35583, 35584, 35585, 35586, 35587, 35588, 35589, 35590, 35591, 35592, 35593, 35594,

35595, 35596, 35597, 35598, 35599, 355B4, 35600, 35601, 35602, 35623, 35624, 35625, 35626, 35627, 35628, 35629, 35630, 35631, 35632, 35633, 35634, 35635, 35636, 35637, 35638, 35663, 35664, 35665, 35666, 35667, 35668, 35669, 35670, 35671, 35672, 35673, 35674, 35675, 35676, 35677 - Marloth Park (25 22 S 31 47 E, 210 m): **FMNH**: 195628, 195629 - Mashikiri windmill (2235S 3111E): **TM**: 36801, 36802, 36803, 36804, 36887, 36888 - Masinda Camp (2821S 3159E): **TM**: 38690 - Mata Mata camp (25 46 S 20 01 E): **MMK**: MAM/7070, MAM/7071; **RMCA**: a0.038-M-0018 - Matjies Vlei (32 08 S 22 33 E): **DNSM**: 4082 - Merrivale (29 31 S 30 14 E, 1031 m): **DNSM**: 4738, 5387 - Messina Nature Reserve (22 23 S 30 03 E): **DNSM**: 5396, 5398 - Messina Nature Reserve, banks of the Sand River (222512S 300448E): **TM**: 44203 - Mfongosi (28.63S 30.88E): **SAMC**: 135458 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **DNSM**: 5380, 5400 - Modderfontein (2606S 2810E): **TM**: 43144 - Modderfontein (2941S 1748E): **USNM**: 342626 - Modderfontein, 3 km N (30.98S 23.8E): **USNM**: 342605 - Modderfontein, Farm (33 25 00 S 18 51 00 E): **DNSM**: 87 - Mogale City [=Krugersdorp] (2606S 2746E): **BMNH**: 1898.4.4.8, 1898.4.4.9 - Molopo Nature Reserve (2558S 2255E): **TM**: 45475, 45739 - Molopo Nature Reserve, swimming tank (2558S 2255E): **MMK**: MAM/7062, MAM/7063 - Mooi River district (ca. 2913S 2959E): **NM**: 814, 816, 818 - Motale River (2230S 3050E): **TM**: 7468 - Mount Currie Nature Reserve (30 30 13 S 29 23 41 E): **DNSM**: 7011; **TM**: 38106, 38108 - Mpumalanga province: **SMF**: 87493, 87494, 87495, 87496 - Mpumalanga province (245317S 304821E): **TM**: 47087 - Mshopi camping site (27 38 23 S 32 09 32 E): **DNSM**: 11012, 11014, 11016 - Msinga pan (27 47 S 32 12 E): **TM**: 35322, 35323, 35324, 35325, 35326 - Mtambanana (3150S 2916E): **TM**: 3023 - Muldersdrift, near (260148.1S 274644.0E): **TM**: 46876 - Municipal Bird Sanctuary (272641S 232531E, 1314m): **TM**: 44442, 44443, 44445, 44446, 44447, 44448, 44449, 44450, 44451, 44452, 44453, 44454, 44455, 44456, 44457, 44473, 44474, 44475, 44476, 44477 - Murraysburg, NW of (3152S 2337E): **KM**: 24511, 24512, 24513, 24514, 24515, 24516, 24517, 24518, 24532, 24534, 24535, 24536, 24537, 24538, 24539, 24663 - Mziki Pan (27 42 05 S 32 24 50 E, 28 m): **DNSM**: 8788 - Namaqualand (30.25S 18.43E): **KM**: 2086 - Natal Midlands (29 21 S 30 00 E): **DNSM**: 5873 - Natures Valley Village (3358S 2336E): **CM**: 94995, 94996, 94997; **TM**: 40524, 40525, 40526, 40527 - near Stutterheim (ca. 3234S 2725E): **KM**: 19632 - Neiman's Farm (2338S 2749E): **USNM**: 342625 - Nelspruit (2527S 3054E): **TM**: 42747, 42748 - Nelspruit (2528S 3059E): **TM**: 2343, 42721 - New Castle (27 45 29 S 29 55 54 E, 1276 m): **DNSM**: 13115 - New Figtree Forest (22 25 S 31 18 E): **TM**: 37859, 38842 - New Hanover school (29 21 S 30 32 E): **DNSM**: 7020 - New Muckleneuk (2543S 2811E): **TM**: 9988 - Newton Park (3358S 2538E): **TM**: 39298 - Northern Sewage Works (29 52 S 31 00 E): **TM**: 36192 - Nqutu (28 12 44 S 30 40 31 E, 1336 m): **DNSM**: 90 - Ntswiriri Dam (24 51 43 S 31 37 38 E): **KNP**: 40 - N'Wambiya Pan (22 40 40 S 31 22 10 E): **KNP**: 27, 28 - Nwanedzi River, old bridge over (24 24 S 31 50 E): **AMNH**: 257388, 257389; **TM**: 39620, 39628, 39629, 39630 - Nwanetzi (242700S 315800E): **AMNH**: 257385 - Nylsvlei Nature Reserve (2440S 2843E): **TM**: 25619, 38959 - Nylsvlei Provincal Nature Reserve (2429S 2842E): **TM**: 43420 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36536, 36629, 36630, 36632, 37035, 37036, 37037, 37068, 37081, 37819, 37823, 37921, 37922, 37927, 37930, 37931, 37932, 37933, 39507 - Olifants Rest Camp, 7 km W (2401S 3139E): **TM**: 39601, 39602, 39603 - Olifants River (3221S 1857E): **MMK**: MAM/7036, MAM/7037 - Olifants, 7 km W (240017S 314001E): **AMNH**: 257386 - Olifantsfontein, 42 Oribi Ave (2612S 2805E): **TM**: 45127 - Onderstepoort (2537S 2812E): **TM**: 11783, 11784, 9425 - Orange River confluence (2814S 2818E): **BMNH**: 1902.4.3.1 - Orange River, near south bank (2822S 2107E): **MCZ**: 21700; **SAMC**: 17074 - Pafuri (22 24 36 S 31 06 36 E): **AMNH**: 257377; **TM**: 38285, 47135, 48570, 48598 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **CM**: 69692; **TM**: 37850, 37851, 39464 - Pafuri,Figtree Forest, downstream (2225S 3115E): **TM**: 37451, 37452 - Percy Fyfe Nature Reserve (2402S 2908E): **TM**: 44207, 44210 - Philippolis (3024Bb): **NMB**: 1661, 1662, 1663 - Philippolis (3025Cb): **NMB**: 3719, 3720, 3721 - Philipstown (30.06S 24.67E): **KM**: 24560, 24569 - Phillipolis (3025Ac): **NMB**: 11280, 11281 - Phinda Mountain Lodge (27 53 02 S 32 16 58 E, 94 m): **DNSM**: 13156 - Picnic site (2225S 3115E): **TM**: 41732, 41733, 41734, 41735, 41736 - Pietermaritzburg (29 37 00 S 30 23 00 E, 760 m): **DNSM**: 10642, 10643, 6008 - Pietermaritzburg area (ca. 29 37 S 30 23 E): **DNSM**: 13142 - Pietermaritzburg, 16 km NNE (29 28 59 S 30 26 47 E): **KU**: 135865 - Pietermaritzburg, Chase Valley Heights (29 34 S 30 22 E, 840 m): **DNSM**: 1106 - Pietersburg, farm near: **TM**: 42722 - Piquetburg (32.77S 18.72E): **KM**: 30185 - Pirie Mission (32.82S 27.23E): **USNM**: 344283 - Pirie Trout hatchery (3243S 2718E): **USNM**: 344282 - Pirie, Pirie Mission (3247S 2715E): **SAMC**: 10281, 10282 - Potchefstroom (26.7S 27.08E): **SAMC**: 34338 - Potgietersrus (2411S 2900E): **TM**: 43147 - Potgietersrus (2411S 2911E): **TM**: 2437, 2438 - Potgietersrus [= Mokopane], 25 km ESE (24.25S 29.13E): **TM**: 23387 - Pretoria - Kameeldrif, between (N.W.) (ca. 25 43 18 S 28 03 36 E): **DNSM**: 6239 - Pretoria (25 42 25 S 28 13 46 E, 1271 m): **TM**: 10030, 10037, 41023, 43153, 43154, 43155, 43156, 43157, 43158, 43159, 4924, 4940, 6876, 7383, 7440 - Pretoria (2543S 2811E): **MZUF**: 3596 - Pretoria North (25 39 44 SS 28 09 55 E, 1222 m): **BRTC**: 20893 - Pretoria Zoo's farm (2607S 2612E): **TM**: 27670 - Prince Albert (33.26S 2200E): **KM**: 29798 - Punda Maria Camp, 2 km N (22 41 S 31 02 E): **AMNH**: 257379, 257380 - Punda Maria, 15 km E (22 41 S 31 02 E): **AMNH**: 257378, 257387 - Punda Milia (22 41 51 S 31 01 12 E, 580 m): **TM**: 30654 - Punda Milia Camp (22 41 51 S 31 01 12 E, 580 m): **CM**: 69693 - Queen Elizabeth Park (29 33 S 30 19 E, 936 m): **DNSM**: 3348 - Queenswood (2543S 2814E): **TM**: 45126 - Ratzschitz Mission Church (28 13 32 S 30 01 21 E): **DNSM**: 5648 - Reddersberg: **DNSM**: 13129 - Rhenosterkoppies (25 07 38 S 31 36 06 E): **TM**: 37296, 37297, 37298, 37299, 37300, 37301, 39726, 39727, 39728, 39729 - Richmond (31.03S 23.77E): **KM**: 11100 - Riebeekstad (2726Dd): **NMB**: 3264, 3265, 3266, 3267, 3268, 3269 - Rietondale, 177 Lys Street (2544S 2814E): **TM**: 47099 - Rissik Private Nature Reserve (2453S 2827E): **TM**: 20656, 20657, 20658, 20689 - Roodevaal Private Camp, 2 km SE (2408S 3136E): **AMNH**: 257381, 257382, 257383; **TM**: 39680, 39681, 39691 - Royal Natal National Park (28 44 00 S 28 55 00 E, 1602 m): **DNSM**: 2389, 2417, 2418 - Rustenburg Nature Reserve (25 43 04 S 27 11 16 E): **TM**: 45580 - S A Lombaard Nature reserve (2736S 2529E): **TM**: 44202 - Sabie river bank (24 58 03 S 31 40 12 E): **TM**: 42084, 42085, 42089, 42092 - Sabie River, north bank (24 59 07 S 31 37 18 E): **TM**: 39703, 39736, 39737 - Sandrivierbrug: **NMB**: 12210 - Schaapplaats, Farm 930 (27 55 42 S 28 58 21 E): **TM**: 48187 - SE Elandsbaai, Farm Groote Drift (3238S, 1838E): **KM**: 29004, 29005, 29007, 29009, 29010, 29011 - Senekal (2727Dc): **NMB**: 3291, 3292 - Senekal (2827Bc): **NMB**: 3137, 3138, 3139, 3140 - Shannon (2926Aa): **NMB**: 4678 - Shannon, Nassau str. 91 (2926Aa): **NMB**: 2939 - Shashanga windmill (22 39 S 30 59 E): **CM**: 69694, 69697, 69698, 69699, 69700, 69701, 69702 - Shashanga windmill (2240S 3059E): **TM**: 30685, 30686 - Simonstown (341100S 182600E, 0 m): **AMNH**: 245404 - Skoenmakerskop (34 02 26 S 25 32 39 E): **DNSM**: 4729 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **AMNH**: 257384, 257390, 257391, 257392; **KNP**: 171; **TM**: 30055, 30056, 30057, 30058, 30059, 30060, 30068, 30074, 30075 - Skukuza, 1.5 km NW (24 59 50 S 31 36 21 E): **TM**: 39762, 39763 - Spioenkop Dam, Mabamnyama Staff House (28 40 40 S 29 30 35 E, 1094 m): **TM**: 40068 - Spioenkop Nature Reserve (28 42 S 29 15 E, 1094 m): **DNSM**: 1107, 5115, 5116; **TM**: 40728 - Springbok, 14 km W (29.67S 17.28E): **USNM**: 342627 - Springbok, 7 mi W (2940S 1717E): **USNM**: 342628, 342629, 342630, 342631, 342633 - Steinkopf (2915S 1745E): **SAMC**: 2736 - Sterkfontein Dam (28 26 00 S 29 01 00 E): **TM**: 49112 - Sterkfontein Dam Nature Reserve (28 26 00 S 29 01 00 E): **TM**: 49071 - Sterkspruit 33 JT Farm (25 06 50 S 30 28 50 E, 1450 m): **DNSM**: 13389 - Stilbaai (3422S 2125E): **TM**: 8970, 8971, 8972, 8973, 8974, 8975, 8976 - Stockenstrom (32.5S 26.7E): **KM**: 24933, 8936 - Stutterheim (32.65S 27.53E): **KM**: 7591 - Suikerbosrand

[=Suikerboschrand] Nature Reserve (2630S 2813E, 1668 m): **DNSM**: 6900; **TM**: 41686, 46421 - Sunnyside (2545S 2812E): **TM**: 2439 - Sunnyside (2545S 2815E): **TM**: 42738 - Sycamore Station (2537S 3026E): **TM**: 5254 - Taung (27 32 00 S 24 48 00 E, 1101 m): **ZMA**: MAM.22228, MAM.22229, MAM.22230, MAM.22231, MAM.22232, MAM.22233, MAM.22653, MAM.22654, MAM.22655, MAM.22658, MAM.22659, MAM.22660, MAM.22661, MAM.22662 - Taung World Heritage Site (27 37 14 S 24 38 09 E): **TM**: 48032, 48033, 48042, 48043, 48044, 48045, 48046 - Telperion Nature Reserve (25 42 41 S 29 01 03 E): **TM**: 49169, 49170, 49171 - Tha Banchu (29.13S 26.88E): **NMB**: 2926 - Thaba Nchu (2926Bb): **NMB**: 2955, 2956 - Townlands (2543S 2811E): **CM**: 40688 - Townlands of Mathinus Wesselstroom (272214S 300758E): **TM**: 47105 - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein] (22 32 56 S 31 04 22 E): **TM**: 36772, 36773, 36774, 36779 - Tweespruit (2927AA): **TM**: 42749, 42750, 42751, 42752, 42753 - Uitenhage district (3345S 2525E): **HZM**: 39.4711 - Umbilo (29 53 21 S 30 59 04 E, 195 m): **DNSM**: 13400 - Umfolozi Game Reserve (2821S 3159E): **TM**: 3022 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 11013 - Umzumbi Mission (30 34 00 S 30 26 00 E): **AMNH**: 81866 - Upington, 100 km NNE (28.18S 22.03E): **MMK**: MAM/2487 - Upington, near (28.38S 21.13E): **KM**: 2074 - Van Rhynsdorp, NE (31.13S 18.18E): **KM**: 2084 - Ventersburg (2827Aa): **NMB**: 2934, 2935, 2936, 2937, 2938 - Ventersburg (2827Ab): **NMB**: 1798, 2489, 2490, 2491 - Verwoerdburg (2550S 2812E): **TM**: 34164 - Verwoerdburg, suburban garden (2528CC): **TM**: 34163 - Victoria West (31.4S 23.12E): **KM**: 24571 - Vrede (2729Ad): **NMB**: 3556, 3557 - Vrede (2729Ca): **NMB**: 3148, 3149 - Vrede Farm (321303S 241226E): **MVZ**: 117192 - Vredefort (2627Cd): **NMB**: 5893, 5895 - Vredefort Road (2655S 2722E): **BMNH**: 1904.3.1.3, 1904.3.1.51 - Vredendal (31.76S 18.23E): **KM**: 29017 - Vrolijkheid Nature Reserve (33 54 04 S 19 52 36 E, 221 m): **DNSM**: 7194, 7195, 7197, 7198, 7202, 7203 - Wakkerstroom (2721S 3009E): **TM**: 39852, 39853, 39866 - Wakkerstroom (2721S 3009E, 6700ft): **TM**: 39865 - Walmer (3359S 2535E): **HZM**: 38.4710 - Wardens house (27 47 S 32 12 E): **TM**: 35270 - Warmbad (245300S 281700E): **ROM**: 45809, 45810, 45811, 45812 - Warmbad, 2 mi E (2453S 2818E): **ROM**: 78207 - Waterberg Game Farm, at small man-made ponds within camp (240659S 282317E, 1410m): **TM**: 46399 - Waterberg, Farm Klipfontein 54JS (2408S 2808E): **TM**: 31272, 31273, 39415, 39416, 39523, 39524, 39525, 39526, 39527, 39528, 39563, 39564, 39565, 39566, 39567, 39568, 39816, 39888, 39893, 39900, 39902, 39943, 39944, 39952, 39953, 39974, 39977, 39978, 39984, 39985, 39990, 39997, 40037, 40038, 40039, 40040, 40178, 40180, 40185, 40237, 40238, 40239, 40240, 40241, 40242, 40243, 40244, 40245, 40246, 40247, 41367, 41368, 41369, 41370, 41371, 41372, 41373, 41374, 41375, 41376 - Waterberg, Vaalwater (2418S 2807E): **TM**: 6942 - Waterfall (29 45 S 30 50 E, 484 - 590 m): **DNSM**: 11429 - Weenen Nature Reserve (28 51 20 S 29 59 55 E, 1070 m): **DNSM**: 2319; **TM**: 38388, 38491 - Weston Agricultural College (291245S 300215E): **TM**: 38592 - Westriding (29 47 S 30 46 E, 639 m): **DNSM**: 7018 - Westriding (29 47 S 30 46 E, 672 m): **DNSM**: 5881, 5882, 5889 - Westville (29 50 S 30 56 E, 205 m): **DNSM**: 13119 - Williston, 45 km ENE (31.27S 21.37E): **MMK**: MAM/2483 - Wilro Park (260647S 275106E): **TM**: 45119 - Winburg (2827Cc): **NMB**: 10563, 10564, 10565 - Winburg [Exelsior] (2827Cd): **NMB**: 5898, 5899, 5901 - Witwatersrand, Langlaagte (2613S 2758E): **TM**: 43145 - Wolwespruit Nature Reserve (272500S 261950E): **TM**: 45045 - Wonderkop Nature Reserve (231250S 283930E): **TM**: 44606 - Wonderwerk Cave (2749S 2335E): **MMK**: MAM/7064, MAM/7065, MAM/7066, MAM/7067 - Yellowwood Park (29 54 S 30 55 E, 118 m): **DNSM**: 5345, 5346 - Zastron (3026Bb): **NMB**: 5972, 5973, 5974, 5975, 5976, 5977, 5978, 5979, 5980 - Zastron (3027Ab): **NMB**: 8128 - Zebedula (2418S 2915E): **TM**: 12588 - Zoetvlei (2657S 2444E): **TM**: 6843 - Zwartkop cave (2551S 2810E): **USNM**: 575285.

South Sudan:

Loelli (0505N 3435E): **FMNH**: 78227, 78228 - Torit (0427N 3231E, 610 m): **FMNH**: 77634, 78226 - Wau (07 42 00 N 28 00 00 E): **MSU**: MR.33436, MR.33437, MR.33438, MR.33439 - Wau, 3 mi S (073900N 280000E): **MSU**: MR.33374 - Wau-Agok (ca. 074200N 280000E): **MSU**: MR.33375.

Sudan:

Unknown locality: **BMNH**: 1968.450.

Swaziland:

Unknown locality: **BMNH**: 1989.44, 1996.241 - Balagane (260600S 313400E, 323 m): **ROM**: 68845 - Bethlehem Mission (2651S 3056E): **TM**: 45646, 45647 - Dwalile Primary School (2640S 3048E): **TM**: 45648, 45649 - Ekuphakameni High School (2648S 3109E): **TM**: 45641 - Forbes Gold Mine [=Forbes Reef Gold Mine] (2609S 3106E): **TM**: 47725 - Luyengo (2635S 3112E): **TM**: 45707 - Maguga (26 04 56 S 31 15 07 E): **NMB**: 11557, 11558 - Malolotja Game Reserve (26 08 S 31 08 E): **TM**: 39549 - Malolotja Nature Reserve (26 08 S 31 08 E): **DNSM**: 6231 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **DNSM**: 8049 - Mlilwane GR. (26.48S 31.18E): **BMNH**: 1989.0044 - Ndlovu Camp (26 15 35 S 31 52 37 E, 280 m): **DNSM**: 8511 - Ngcoseni Primary (2646S 3104E): **TM**: 45642, 45643, 45644, 45645, 45673, 45674, 45675, 45676, 45677 - Pine Valley (26 16 12 S 31 13 48 E): **DNSM**: 7173 - Rosecraft (26 38 S 31 17 E, 667 m): **TM**: 47711, 47712 - Sundwini (26 14 57 S 31 56 31 E): **DNSM**: 8426.

Tanzania:

Unknown locality: **BMNH**: 1960.88, 1962.973, 1962.974, 1962.975, 1962.976, 1962.977, 1963.1856, 1964.1789, 1964.1790, 1964.1791, 1964.1792, 1964.1793, 1964.243, 1988.548; **ZMA**: MAM.22304 - Banagi (02 16 S 34 51 E, 1413 m): **RBINS**: 15623, 15624, 15626.1, 15626.2, 15626.3 - Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187143, 187221 - Isamilo (International School) (02 30 30 S 32 54 23 E): **ZMA**: MAM.22302, MAM.22303 - Kazimzumbwi forest reserve (06 58 S 39 03 E): **SMF**: 79587, 79588 - Kibebe farms (0747S 3545E, 1550 m): **FMNH**: 168093, 168094 - Mwanza (02 31 00 S 32 54 00 E, 1209 m): **ZMA**: MAM.22419 - Nyamuhoro valley: **SMF**: 79586 - Tanga region: **SMF**: 85538 - Udzungwa National Park (0831S 3556E, 1100 m): **FMNH**: 158625, 158626 - Wiru (02 28 16 S 032 53 13 E): **ZMA**: MAM.22324 - Zaraninge-Kiano forest reserve (ca. 06 08 S 38 36 E): **SMF**: 79585.

Togo:

Atakpamé (07 32 00 N 01 08 00 E, 376 m): **ZMB**: 54246 - Niamtougou (09 46 06 N 01 06 19 E, 378 m): **RMCA**: 73.011-M-0365.

Uganda:

Unknown locality: **BMNH**: 1964.164, 1964.165, 1964.166, 1964.167, 1964.168, 1966.3612, 1971.940 - Kyagwe county (00 25 00 N 32 50 00 E): **BMNH**: 1962.2051.

Zambia:

Unknown locality: **BMNH**: 1926.12.1.10, 1926.12.1.11, 1926.12.1.12, 1926.12.1.9, 1955.1119, 1955.1120, 1955.1121, 1955.1122, 1955.1124, 1955.1125, 1968.134, 1968.135, 1968.136, 1968.137, 1968.138, 1968.139 - Abercorn (08 50 S 31 23 E, 1656 m): **KM**: 9669 - Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115860, 115862, 115878, 115898; **KM**: 2192, 2193, 2194, 2195, 2196, 2201, 2202, 2204, 2205, 2206, 2207, 2208, 2209, 2221, 2222 - Blue Lagoon ranch (1527S 2720E): **CAS**: 15111 - Broken Hill (142600S 282700E, 1172 m): **BMNH**: 1932.9.1.249 - Chambezi (1100S 3130E): **CAS**: 6379, 6380 - Chilanga (15 33 00 S 28 17 00 E, 1220 m): **AMS**: M.9954; **HNHM**: 76.161.1, 76.162.1; **MSB**: 34628; **NHMZ**: 10376, 11190; **ROM**: 73966 - Hillwood Farm (11.23S 24.3E): **NHMZ**: 29886 - Kabompo [=Kabompo

Boma] (1336S 2412E, 1027 m): **ROM**: 78212 - Kabompo Boma (133600S 241200E, 1027 m): **NHMZ**: 10371 - Kasama (10.22S 31.17E): **KM**: 9671 - Kasompe camp (1404S 2539E): **HZM**: 18.3172 - Livingstone (17 51 00 S 25 52 00 E, 3030 ft): **NMZL**: 2758 - Isoka (09.5S 32.75E): **KM**: 9670 - Lufupa camp [site 1] (14 36 51 S 26 11 18 E): **NMZL**: ECJS-05/2008, ECJS-08/2008 - Lufupa camp [site 2] (14 36 56 S 26 11 27 E): **NMZL**: ECJS-23/2008 - Lufupa camp [site3] (14 36 48 S 26 11 17 E): **NMZL**: ECJS-33/2008 - Mazabuka (15.83S 27.73E): **NMZL**: 2909 - Mazabuka Boma (1552S 2746E, 1101 m): **HZM**: 10.2212, 7.2209 - Mount Makulu (15.57S 28.23E): **NMZL**: 2938 - Mount Makulu Research Station (1528Ca): **NHMZ**: 20245 - Mt. Makulu: **NMZL**: 2939, 2940 - Muckle Neuk: **NMZL**: 2732 - Muckle Neuk (16.63S 27.0E): **NMZL**: 27322 - Mumbwa (1500S 2701E): **ZFMK**: 1978.0464 - Ndanda Dambo (14.75S 23.75E): **NHMZ**: 33275 - Ndanda School (14.75S 23.75E): **NHMZ**: 33171 - Seneriga, 50 km NE (15.62S 23.37E): **NHMZ**: 33189 - Sihole (1522S 2237E): **FMNH**: 95219 - Sililo (1415S 2230E): **BMNH**: 1966.5459 - Sioma Bush Camp (16 45 03 S 23 25 13 E): **NMP**: RS986.

Zimbabwe:

Unknown locality: **BMNH**: 1933.3.3.1, 1948.237, 1961.1077; **ROM**: 87402 - Atlantica Ecological Research Station (1753S 3047E): **ROM**: 64745 - Atlantica Research Station (17.15S 31.0E): **NHMZ**: 58886 - Avondale (17.83S 31.07E): **NHMZ**: 58849 - Benzie's Bridge, Shangani R (18.81S 27.9E): **NHMZ**: 33629 - Bonda Mission (18 26 49 S 32 35 39 E): **NHMZ**: 58874 - Borrowdale (17.57S 31.0E): **NHMZ**: 58915 - Borrowdale (17.5S 31.0E): **NHMZ**: 58855 - Bridge (17.75S 25.25E): **NHMZ**: 60674 - Buffalo Range, Field station (20.75S 31.5E): **NHMZ**: 58931 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 57615 - Camp-Katembora (17.75S 25.25E): **NHMZ**: 60673 - Chete, Eastern Section (17.37S 27.62E): **NHMZ**: 57445 - Chikwarakwara (22.35S 31.1E): **NHMZ**: 58903 - Chinanga Dam (17.12S 32.87E): **NHMZ**: 32494 - Chingamwe Estates (18 29 S 32 44 E): **DNSM**: 4691 - Chiredzi (21 03 S 31 40 E, 437 m): **NHMZ**: 58860 - Chirisa SA, Magurazino R (17.62S 28.37E): **NHMZ**: 64825 - Chishakwe Camp, 3 km E (20.0S 32.0E): **NHMZ**: 32959 - Chivi (20.3S 30.52E): **NHMZ**: 30073 - Chizarira NP, Mchesu R (17.75S 27.5E): **NHMZ**: 64827 - Chlkwarakwara (22.35S 31.1E): **NHMZ**: 60476 - Concession, 10 km NW (1725S 3054E): **CM**: 41015 - Crowborough Sewage Works (17.87S 30.9E): **NHMZ**: 80192 - Darwendale (17.75S 30.0E): **NHMZ**: 58859 - Dett (1837S 2652E): **NHMZ**: 58910 - Dett (1837S 2652E, 914 m): **FMNH**: 152705, 152706, 152707, 152708 - Doddieburn Ranch (21.4S 29.35E): **NHMZ**: 79455 - Doddieburn Ranch (2124S 2921E): **BMNH**: 1961.1078 - Dwala Ranch (21.12S 29.62E): **NHMZ**: 31193 - Eirene farm (18 23 S 31 37 E): **NHMZ**: 58866 - Essexvale Ranch (20.3S 28.93E): **USNM**: 470254 - Falcon College (20.22S 28.92E): **NHMZ**: 31750 - Fern Valley (19 03 S 32 39 E): **HZM**: 30.4104; **NHMZ**: 58882 - Forest Hill (19.08S 27.83E): **NHMZ**: 60448 - Gokwe (18 13 00 S 28 56 47 E): **DNSM**: 116 - GreatZimbabwe (20.28S 30.93E): **NHMZ**: 58862, 58932 - Gutu Mission (19.63S 31.17E): **NHMZ**: 31378 - Gwayi R Bridge, 2 km N (18.63S 27.13E): **NHMZ**: 29985 - Gweru Teachers Training College (19.25S 29.75E): **NHMZ**: 58953 - Haig Park (17.83S 31.07E): **NHMZ**: 58847 - Harare (17.83S 31.07E): **USNM**: 368610 - Harare [=Salisbury] (1753S 3108E): **TM**: 34844 - Harare [=Salisbury], Thornpark (1738S 3108E): **NHMZ**: 58818, 58819, 58822, 58826, 58827, 58828 - Haroni Valley (19.84S 33.0E): **NHMZ**: 58845 - Heany (20.0S 28.75E): **NHMZ**: 58896 - Highlands School (17.8S 31.12E): **NHMZ**: 30643 - Hillside (20.13S 28.58E): **NHMZ**: 58875 - Hippo Valley, Kutanga Estates (21.12S 31.87E): **NHMZ**: 58865 - Hope Fountain Mission (20.62S 28.62E): **NHMZ**: 58897 - Hospital (21.0S 31.25E): **NHMZ**: 58954 - Hostes Nicoll Research Institute (1810S 2813E): **NHMZ**: 58848, 58873; **ROM**: 84003, 84004, 84005, 84006, 84007 - Humani Ranch (20.25S 32.25E): **NHMZ**: 81868 - Hwange NP, Main Camp (18.73S 26.95E): **NHMZ**: 12744, 58902 - Ingwesi Ranch (2100S 2800E): **HZM**: 17.2737 - Inwesi Ranch Syringa (20.25S 28.0E): **NHMZ**: 58895 - Inyankuni (20.25S 29.0E): **NHMZ**: 31426 - Kambuzuma (17.8S 31.07E): **NHMZ**: 58857 - Katombora Rapids (17.88S 25.33E): **NHMZ**: 60675 - Kwizizi R, Deka Valley (18.43S 26.32E): **NHMZ**: 33755 - Lake Mcllwaine (17.9S 30.78E): **NHMZ**: 58880 - Lakeside (20.13S 28.58E): **NHMZ**: 9826 - Lion and Cheetah Park (1723S 3117E): **TM**: 34843, 34845 - Insuza Vlei, Gwaai Forest (19.25S 28.0E): **NHMZ**: 54112 - Lone Star Ranch (21.12S 31.87E): **NHMZ**: 58901 - Lusulu Tsetse Station, Sebungwe (18.12S 27.87E): **NHMZ**: 58930 - Lutope-Ngolangola R Confluence (18.28S 28.08E): **NHMZ**: 33681 - Marivalle Ranch (18.75S 29.75E): **NHMZ**: 84437 - Matetsi SA, Tshope vlei (18.62S 25.87E): **NHMZ**: 31580 - Matobo Hills, Amalinda Camp (20.5S 28.25E): **NHMZ**: 33803 - Matobo Hills, Lumane Valley (20.58S 28.83E): **NHMZ**: 30020 - Matobo Hills, Mtshavezi Valley (20.62S 28.87E): **NHMZ**: 30684 - Matobo Hills, Totololo R (20.55S 28.83E): **NHMZ**: 29598 - Matobo Research Station (20.25S 28.75E): **NHMZ**: 68258 - Mcheni Gorge (17 40 S 27 52 E): **BMNH**: 1983.200 - Mill's Farm (20.3S 28.75E): **NHMZ**: 61149 - Munyati R (18.5S 29.75E): **NHMZ**: 84505 - Mvuma (19.25S 30.5E): **NHMZ**: 31916 - Mzola Camp (18.62S 27.37E): **NHMZ**: 31654 - Ngamo Gwaai Reserve (19.0S 27.5E): **NHMZ**: 58871, 58905 - Nuanetsi Ranch Headquarters (213001S 304738E): **ROM**: 64895, 64905, 64919, 64920, 64921 - Nuanetsi Ranch Headquarters, 1.6 km W (213001S 304738E): **ROM**: 64941, 64942 - Nuanetsi Ranch Headquarters, 18 km W (2130S 3037E): **ROM**: 64889, 64890 - Nungu Dam (2117S 3037E): **ROM**: 64936 - Nyadiri R (17.12S 32.12E): **NHMZ**: 32501 - Nyagui R (17.37S 31.62E): **NHMZ**: 32491 - Nyamandhlovu (19.75S 28.25E): **NHMZ**: 3281 - Nyamunyeche (16.77S 30.95E): **NHMZ**: 58051 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32497 - Peterhouse School (18.18S 31.62E): **NHMZ**: 58869 - Rainham (17.83S 31.07E): **NHMZ**: 58877 - Rainham (1746S 3053E): **HZM**: 42.6146 - Retreat Farm (2014S 3102E): **ROM**: 64975 - Ruya R (16.5S 31.75E): **NHMZ**: 62073 - Sabi-Lundi [= Save-Runde] R Confluence (21.28S 32.38E): **NHMZ**: 31363 - Safari Farm (18.0S 31.5E): **NHMZ**: 58924 - Sailsbury (ca. 1749S 3102E): **SAMC**: 3006 - Sauerstown (20.1S 28.62E): **NHMZ**: 27182 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **DNSM**: 3692; **NHMZ**: 30037 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 58934; **TM**: 34864, 34865, 34889, 34890, 34950, 34951, 34970, 34971, 34972, 34974, 34975 - Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 87399, 87411, 87412, 87413, 87414, 87426 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 29604 - Shambayetu Farm (21.75S 29.5E): **NHMZ**: 57627 - South Rhodesia: **MNHN**: ZM-MO-1990-151, ZM-MO-1990-152 - St James Mission (19.75S 28.0E): **NHMZ**: 33998 - Terendali Farm (17.75S 31.0E): **NHMZ**: 58856 - The Homestead (20.25S 28.75E): **NHMZ**: 63157 - The Homestead (2017S 2850E): **TM**: 39424, 39425 - Thompark (17.62S 31.12E): **NHMZ**: 32784 - Thornpark Estate (1743S 3101E): **HZM**: 27.3924 - Torre (18.25S 31.0E): **NHMZ**: 58884 - Twentydales (17.9S 31.17E): **NHMZ**: 80190 - Umzingwane R. (21.87S 29.62E): **NHMZ**: 58129 - Union Avenue (17.83S 31.07E): **NHMZ**: 58887 - Vashu Farm (20.87S 28.12E): **NHMZ**: 58898 - Volunteer Farm, Main Camp (18.82S 27.63E): **NHMZ**: 31967 - Volunteer Farm, Zwikungwa (18.91S 27.7E): **NHMZ**: 33738 - Volunteer farms (1849S 2738E): **NHMZ**: 31973, 31988, 31989, 31991 - Wankie-NP (1845S 2658E): **KU**: 135030; **NHMZ**: 58914; **WNMU**: 6126, 6127, 6128 - Wankie-NP (1845S 2658E, 914 m): **FMNH**: 152709, 152710, 152711, 152712, 152713, 152714, 152715, 152716 - Wankie-NP, Inyantue (1833S 2640E): **NHMZ**: 58911 - Wankie-NP, Maduni Dumela (1910S 2630E): **NHMZ**: 58907 - Wankie-NP, Makalowa: **NHMZ**: 58904, 58909 - Wankie-NP, Ngamo Pans (1908S 2727E): **NHMZ**: 58908 - Wankie-NP, Ngweshla (1905S 2705E): **NHMZ**: 58906 - Westwood Vlei (17 55 00 S 25 32 00 E): **NHMZ**: 60682 - Zimbabwe National Park (201800S 305700E): **ROM**: 64967.

Neoromicia flavescens (Seabra, 1900)

Angola:
Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 85530, 85535 (Holotype *Eptesicus capensis angolensis*), 86629, 86630, 86631, 86632, 86633, 86634, 86635, 86636, 86637, 86638, 86639, 86641, 86642, 86643, 88096 (Co- or *Eptesicus capensis angolensis*) - Galanga (1204S 1509E): **MNHN**: ZM-MO-1900-536 (Cotype *Vesperugo (Vesperus) flavescens*), ZM-MO-1900-537 (Cotype *Vesperugo (Vesperus) flavescens*).

Ethiopia:
Abaya lake, W bank (06 13 N 37 49 E): **MNHN**: ZM-MO-1972-493 - Addis Alem (14 28 13 N 38 46 31 E): **MNHN**: ZM-MO-1972-494.

Malawi:
Kapalasa Farm (1531S 3511E): **DCDH**: 2974.

Neoromicia guineensis (Bocage, 1889)

"Africa":
Unknown locality: **ZMA**: MAM.26218.

Benin:
Garou (11 48 13 N 003 28 44 E, 252 m): **ZMA**: MAM.23120 - Mékrou river (ca. 12 18 N 002 40 E): **ZMA**: MAM.19185 - Segbana (1056N 0342E): **USNM**: 421384, 479495.

Burkina Faso:
Bontioli (10 53 N 03 04 W, 264 m): **BMNH**: 1984.1019 - Dionga (1404N 0003W): **SMF**: 60995 - Gorgadji, 17 km E (1402N 0022W): **USNM**: 452877 - Nobere, 1 km S (1136N 0118W): **ROM**: 79847 - Nouna (12 44 N 03 52 W, 261 m): **SMF**: 26404, 60996, 60997 - Ougarou (1210N 0056W): **USNM**: 452878.

Cameroon:
Garoua, 24 km S, 13 km E (0905N 1330E): **CM**: 58514 - Kong: **MNHN**: ZM-MO-1996-2502 - Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0233 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0583 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0287, 73.017-M-0234.

Central African Republic:
Gounda camp (0919N 2112E): **CM**: 73705, 73706, 73707 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-840.

Chad:
Fort Archambault (09 09 00 N 18 23 00 E, 347 m): **SMF**: 6391, 6392 - Kyabe (0928N 1854E): **AMNH**: 170176.

Congo:
Sibiti (03 41 09 S 13 20 45 E, 440 m): **MNHN**: ZM-MO-1985-953.

Congo (Democratic Republic of the):
Isiro (0246N 2737E, 730 m): **AMNH**: 49339 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 49290.

Côte d'Ivoire:
Unknown locality: **SMF**: 91952, 91953, 91954, 91955, 91956, 91957, 91958, 91959, 91960, 91961, 91962, 91963, 91964, 91965 - Fetekro (0749N 0441W): **USNM**: 468170, 468171, 468172, 468173 - Mount Nimba (0736N 0825W): **MNHN**: ZM-MO-1977-559.

Egypt:
Sharqiya (3115N 3217E): **ZMB**: 54952.

Ethiopia:
Unknown locality: **BMNH**: 1970.2220, 1970.2220_1, 1970.2220_2, 1970.2220_3, 1970.2220_4, 1970.2220_5, 1970.2220_6, 1970.2220_7, 1970.2220_8, 1970.2220_9 - Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189552 - Belès: **MHNG**: 1717.012 - Bermil (12 23 N 35 44 E, 562 m): **ZMMU**: S-189562, S-189564 - Bokonkorio (0802N 4619E): **SMF**: 52383, 52384, 52385 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1670 m): **BRTC**: 57967 - Gambela (08 15 N 34 35 E, 514 m): **BMNH**: 1970.2224, 1970.2228, 1972.4373, 1972.4373_1, 1972.4373_2; **CM**: 52653; **SMF**: 44832, 44833; **ZFMK**: 1973.0022, 1973.0023, 1973.0029, 1973.0030, 1973.0031, 1973.0065 - Grara (12 21 N 35 44 E, 560 m): **ZMMU**: S-189567, S-189568 - Megenagne (12 12 N 35 40 E, 564 m): **ZMMU**: S-189569 - Satema, 1.5 km N, 0.5 km W (2165 m): **BRTC**: 58694, 58701.

Ghana:
Shai Hills Resource Reserve (05 57 N 00 04 E): **CM**: 113617 - Subinja (07 44 N 02 04 W, 290 m): **USNM**: 414983.

Guinea:
Guinee-Maritime (ca. 0942N 1322W): **HNHM**: 68.570.1 - Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1985-1148, ZM-MO-1985-1149 - Zouguépo (074220N 082426W, 526 m): **MNHN**: ZM-MO-1981-1207.

Kenya:
Unknown locality: **BMNH**: 1912.7.1.35, 1912.7.1.37.

Nigeria:
Enugu state: **SMF**: 92077 - Mokwa (0917N 0503E, 87 m): **ROM**: 77736, 77737 - Shagamu (065036N 033852E, 63 m): **BMNH**: 1976.293 - Umuahia (053200N 072900E, 151 m): **BMNH**: 1953.29 - Zaria (1101N 0744E): **ROM**: 84086, 86293.

Senegal:
Eganga (1230N 1245W): **FMNH**: 128219 - Kounkané (12 56 00 N 14 05 00 W, 23 m): **RMCA**: 81.003-M-0001 - N'Goyé (1437N 1620W): **MHNG**: 1718.039 - Saboya (1341N 1611W): **MHNG**: 1718.035.

South Sudan:
Gilo (04 02 18 N 32 50 43 E, 1736 - 1863 m): **FMNH**: 77639 - Nzara (04 38 36 N 28 15 11 E, 595 m): **SMF**: 33275 - Torit (0427N 3231E, 610 m): **FMNH**: 66673, 67487, 68110, 77686, 78232, 79563 - Torit (0427N 3231E, 631 m): **FMNH**: 79561.

Sudan:
Nuba Mountains, N edge: **NMW**: 8411 (Holotype *Eptesicus rectitragus*) - Rheika (10 41 N 30 00 E): **SMF**: 33276.

Tanzania:
Ulanga (0719S 3656E, 305 m): **FMNH**: 27291.

The Gambia:
Unknown locality: **SMF**: 91076 - Western division: **SMF**: 92156, 92157.

Neoromicia helios (Heller, 1912)

Cameroon:
Bafut (0605N 1006E, 1231 m): **ROM**: 55882 - Meanja (0416N 0924E): **ROM**: 54908, 54909, 54910, 54911, 54912.

Ghana:
Unknown locality: **ROM**: 51650.

Kenya:
Unknown locality: **BMNH**: 1975.2556 - Archer's Post (0039N 3741E): **CM**: 114453, 114454; **HZM**: 1.4085, 2.4086, 3.4087, 4.4088; **ROM**: 36338, 36339, 36340, 36341, 48598, 68435, 68436, 68437, 68438, 68439, 68440, 68441, 68442, 68443, 68444, 68445, 78321 - Benane (0032N 3838E): **ROM**: 71092, 71093, 71094, 71095, 71096 - Buffalo Springs natural reserve (00 37 N 37 39 E): **CM**: 102207, 102208, 102209, 102210, 102211, 102212, 102220 - Bushwacker's Safari Camp (02 19 S 38 07 E): **CM**: 98001, 98002, 98004, 98005, 98029 - Ferguson's Gulf (0331N 3555E): **CM**: 114455, 114456, 114457, 114458, 114459 - Kangatet (ca. 2.251316 N 36.167912 E): **BMNH**: 1969.207 - Karpeddo (0110N 3606E): **ROM**: 68609, 68610, 68611, 68612, 68613, 68614, 68615, 68616, 68617, 68618, 68619, 68620 - Kibwezi, 6.5 mi N, 10.5 mi E (ca. 02 19 00 S 38 06 00 E): **NAU**: 4343, 4345, 4346, 4349, 4350, 4351, 4353, 4355, 4356, 4357 - Kinna (0019N 3812E): **ROM**: 71086, 71087, 71088, 71089 - Kunumara Conference Center (0352S 3940E): **MVZ**: 174694 - Lukore area (04 13 S 39 25 E): **ROM**: 76551 - Merelle Water (0123N 3744E): **USNM**: 181813 (Holotype *Pipistrellus helios*) - Mweru River (0003N 3739E): **MCZ**: 8273 - Northern Guaso Nyiro (0006S 3713E): **BMNH**: 1939.133 - Samburu Game Lodge (0034N 3735E): **ROM**: 38345, 48704 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **ROM**: 85743, 85744, 85745, 85762.

Somalia:
Bulo Burti (0351N 4534E): **CM**: 85367 - Eggi, 4 km S (0311N 4532E): **MZUF**: 3045 - Jamaame, 4 km S, 4 km W (ca. 00 02 N 42 43 E): **CM**: 85341, 85370, 85371, 85372, 85373, 86021 - Snai Sugar Plantation (02 46 N 45 31 E): **CM**: 85368, 85369.

South Africa:
Pafuri (22 24 36 S 31 06 36 E): **SNP**: CHIR. KNP-UP-921; **TM**: 48535, 48536, 48537, 48578, 48587.

South Sudan:
Loa (034801N 315659E): **FMNH**: 67320 - Logirim (044258N 331433E, 639 m): **FMNH**: 77642, 77706 - Lokwi (040628N 324314E, 1487 m): **FMNH**: 79637 - Ngop (061551N 301135E): **FMNH**: 78229, 78230, 78231 - Nimule (0335N 3203E): **AMNH**: 184466, 184467, 184469; **ROM**: 78325 - Nimule (0335N 3203E, 549 m): **FMNH**: 67319 - Tirangole (042841N 324912E, 664 m): **FMNH**: 77638, 77678, 77679, 77680, 77681, 77682, 77683, 77684, 77685 - Torit (0427N 3231E, 610 m): **FMNH**: 66431, 66432, 66674, 68109, 77632, 77633, 77640, 77641, 77693, 77694, 77695, 77696, 77697, 77698, 77699, 77700, 78481, 78482, 78486, 78487, 79560, 79648, 79649, 79650, 79651, 79652, 79653, 79654, 79655, 79656, 79657, 79658, 79659, 79660, 79661, 79662, 79663, 79664, 79665, 79666, 79667, 79668 - Torit District (ca. 0425N 3235E, 3000 ft): **AMNH**: 184497 - Yambio (0434N 2821E): **FMNH**: 81566.

Tanzania:
Victoria, lake (0100S 3300E): **ZMMU**: S-165861.

Uganda:
Moyo, 10 mi [=16 km] E (03 39 N 31 43 E, 750 -1067 m): **ROM**: 59155 - Nimule (033600N 320300E, 743 m): **AMNH**: 184468, 184489, 184490, 184491, 184492.

Neoromicia humbloti (A. Milne-Edwards, 1881)

Madagascar:
Foulepointe and lake Alaoutre, between (ca. 17 35 S 49 00 E): **MNHN**: ZM-MO-1986-1074, ZM-MO-1986-1075 (Syntype *Vesperus Humbloti*), ZM-MO-1986-1076 (Syntype *Vesperus Humbloti*), ZM-MO-1986-1077 (Syntype *Vesperus Humbloti*), ZM-MO-1986-1078 (Syntype *Vesperus Humbloti*), ZM-MO-1986-1079 (Syntype *Vesperus Humbloti*), ZM-MO-1986-1080 (Syntype *Vesperus Humbloti*), ZM-MO-1986-1081 (Syntype *Vesperus Humbloti*), ZM-MO-1986-1082 (Syntype *Vesperus Humbloti*).

Neoromicia isabella Decher, Hutterer and Monadjem, 2016

Guinea:
Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0291, 2008.0292 (Holotype *Neoromicia isabella*).

Liberia:
Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 12619.

Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995)

Madagascar:
Analamangabe (22 29 08 S 45 23 02 E): **UADBA**: 43680, 43681 - Andranomboalavo (ca. 22 33 S 45 23 E): **FMNH**: 222724 - Canyon des Singes (22 30 S 45 24 E): **FMNH**: 175988 - Maninday (22 47 S 44 48 E, 604 m): **ROM**: 42713 (Holotype *Eptesicus somalicus malagasyensis*) - Ranhira, 7.8 km N (22 29 08 S 45 23 30 E): **FMNH**: 222723 - Sahanafa River, along (ca. 22 18 42 S 45 17 45 E): **FMNH**: 175989.

Neoromicia matroka (Thomas and Schwann, 1905)

Madagascar:
Unknown locality: **RMNH**: MAM.30279 - Ambinany-Lalangy (21 20 33 S 47 55 15 E): **FMNH**: 225972, 225973 - Ambodiriana (1901S 4821E): **ROM**: 42073, 42074, 42075, 42076, 42077, 42078, 42079, 42080, 42081, 42082, 42083, 42084, 42085, 42086, 42087, 42091, 42100, 42102, 42108 - Ambodiriana (975 m): **ROM**: 42088, 42089, 42090, 42092, 42093, 42094, 42095, 42096, 42097, 42098, 42099, 42101, 42103, 42104, 42105, 42106, 42107, 42109, 42110 - Ambohitantely Special Reserve (18 10 00 S 47 17 00 E): **FMNH**: 194153 - Ambositra (20 31 S 47 15 E, 1100 m): **BMNH**: 1897.9.1.32 (Holotype *Vespertilio matroka*), 1897.9.1.34 - Ambositra (203100S 471500E, 1296 m): **BMNH**: 1966.6057; **MCZ**: 45115 - Ambositra (2031S 4715E, 1100 m): **BMNH**: 1989.160 - Ampitambé (1851S 4814E): **BMNH**: 1897.9.1.33 - Amvavalatra (22 08 58 S 47 01 25 E, 1300 m): **FMNH**: 167660 - Analamazaotra forest, Périnet (185600S 482500E, 800 - 991 m): **ROM**: 41841; **YPM**: MAM 005521 - Ankazobe (18 18 50 S 47 06 50 E): **FMNH**: 184871 - Antanarivo [=

Tananarive] (1855S 4731E): **ROM**: 41943, 41944 - Antsahabe forest (18 24 36 S 47 56 24 E): **FMNH**: 222727, 222728 - Betsileo (2210S 4504E): **NMW**: 27455 - Brickaville District (ca. 18 49 04 S 49 04 21 E): **MCZ**: 45100 - Fianarantsoa, near (ca. 212600S 470500E): **MCZ**: 45114 - Fianarantsoa: Minharisoa (EPP) (21 26 00 S 47 05 00 E, 1156 m): **FMNH**: 184465, 184466 - Great Forest: **MCZ**: 45920, 45999, 46000 - Imerina, forest, E of (2032S 4720E): **BMNH**: 1889.8.30.1 - Ivokimanitra: **BMNH**: 1897.9.1.36 - Madagascar: **BMNH**: 1977.2690 - Parc National de Mantadia (18 48 56 S 48 25 38 E): **UADBA**: 43674 - Périnet, 1 mi S (1856S 4825E): **ROM**: 46897 - Ranohira, appr. 10.5 km SW (22 38 44 S 45 19 08 E): **FMNH**: 217941 - Southern Tanatarive: **ROM**: 41986 - Tananarive (185500S 473100E, 1288 m): **MNHN**: ZM-MO-1985-415 - Zazafotsy (22 12 20 S 46 21 40 E): **FMNH**: 184453, 184459, 222725, 222726.

Neoromicia nana (Peters, 1852)

"Africa":

Unknown locality: **BMNH**: 1907.1.1.422; **MNHN**: ZM-MO-1985-1064, ZM-MO-1985-1066; **RMCA**: 90.010-M-0002, 90.010-M-0003; **ZMA**: MAM.25483, MAM.26255, MAM.26256, MAM.26284 - Kubondo: **ZMB**: T10661 - Ukuguru: **ZMB**: T09303.

Angola:

Unknown locality: **BMNH**: 1904.4.9.14, 1904.4.9.15, 1904.4.9.16, 1904.4.9.17, 1904.4.9.18, 1904.4.9.19, 1904.4.9.20 - Agronomic station (09.38S 14.88E): **IICA**: 7998 - Alto Chicapa (1053S 1914E, 1300m): **MDL**: 5477a, 5477b - Canzele (08.38S 15.13E): **FMNH**: 81609, 81610, 81611, 81612, 81660, 81661, 81662, 81663, 81664, 81665, 81666, 81667, 81668, 81669, 81670, 81671, 81672, 81673 - Capelongo (1455S 1505E): **AMNH**: 85532 - Cariango (10.63S 15.38E): **IICA**: 4990 - Carumba lake: **YPM**: MAM 000285 - Catete road (08.88S 13.13E): **IICA**: 64 - Chinchoxo (ca. 0504S 1202E): **ZMB**: 4903 - Chitau (11 25 S 17 09 E, 1503 m): **AMNH**: 88095, 88099, 88103, 88104, 88105, 88106, 88107, 88108, 88109, 88110, 88114, 88598 - Dundo (0722S 2050E, 726m): **MDL**: 5175, 5229b, 5271, 5543, 5555, 5889 - Dundo (0724S 2047E, 726m): **FMNH**: 66503, 66504, 66505, 66506, 66507, 66508, 66509, 66510, 66511, 66512, 66513 - Huila (15.13S 13.63E): **FMNH**: 84123, 84124, 84132 - Loango (ca. 04 52 S 12 52 E): **ZMB**: 3975 (Syntype *Vesperugo pusillulus*) - Luhanda (0913S 1705E): **FMNH**: 81674, 81675, 81676, 81677, 81678, 81679, 81680, 81681, 81682, 81683, 81684, 81685 - Malange [= Malanje] (ca. 1115S 1701E): **ZMB**: 5992 - Mount Verdun (121000S 152000E): **AMNH**: 85075 - Roça Cansele (0900S 1558E): **YPM**: MAM 000283, MAM 000284.

Benin:

Agouagon (07 59 N 02 17 E, 155 m): **MNHN**: ZM-MO-1911-853 - Agouve [=Agoué?] (06 14 N 01 41 E, 0 m): **MNHN**: ZM-MO-1911-1590 A, ZM-MO-1911-1590 B, ZM-MO-1911-1590 C - Bimbereke (1014N 0240E): **USNM**: 421390, 421394 - Bimbereke (1014N 0240E, 449 m): **USNM**: 421395, 421397 - Guéné (11 44 N 03 13 E, 216 m): **USNM**: 421385 - Kpodave (06 49 N 01 46 E): **USNM**: 438942, 438943 - Parakou (09 21 N 02 37 E, 324 m): **USNM**: 421388, 421389 - Porto Novo National Botanical Garden (06 29 N 02 37 E, 38 m): **ZMA**: MAM.25482 - Porto-Novo (0629N 0237E, 38 m): **MCZ**: 45916 - Segbana (1056N 0342E): **USNM**: 421387, 479467, 479468, 479469 - Soubroukou (0941N 0138E): **USNM**: 438932, 438933, 438934, 438935, 438936, 438937, 438938, 438939, 438940, 438941, 479470, 479471, 479472 - Zizonkame (0755N 0201E): **USNM**: 438931.

Botswana:

Unknown locality: **BMNH**: 1910.6.3.5 - Khwai Lodge, 12.9 km W (1907S 2335E): **ROM**: 62653, 62654, 62655 - Selinda Spillway (18.62S 23.37E): **NHMZ**: 64002 - Sepopa (1837S 2207E): **USNM**: 425345, 425346, 425347 - Sepopa (1850S 2215E): **NHMZ**: 64001 - Shakawe (18 21 S 21 52 E, 983 m): **NHMZ**: 64003; **USNM**: 425344 - Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S (18 33 S 21 02 E): **USNM**: 425348 - Xugana (19.08S 23.1E): **USNM**: 518652.

Burkina Faso:

Nobéré, 1 km S (1126N 0110W): **USNM**: 503951.

Burundi:

Unknown locality: **SMF**: 57574 - Bujumbura (03 23 00 S 29 22 00 E, 794 m): **RMCA**: 35155, 82.016-M-0009 - Busiga (02 52 35 S 29 44 03 E, 1829 m): **MHNG**: 1607.060 - Busiga (025235S 294403E, 1829 m): **MHNG**: 1607.057, 1607.058, 1607.059, 1607.061, 1607.062, 1607.063 - Bweru (031925S 302815E, 1684 m): **RBINS**: 19912 - Kanyinya (023525S 300455E, 1508 m): **MHNG**: 1607.064, 1607.065, 1607.066 - Kirundo province: **SMF**: 57572 - Mpinga cave (03 44 10 S 30 10 40 E, 1930 m): **MHNG**: 1607.051, 1607.072 - Ngozi province: **SMF**: 57573 - Nyankanda (03 17 25 S 30 19 05 E, 1553 m): **MHNG**: 1607.074, 1607.075, 1607.076 - Nyanza-Lac (04 20 39 S 29 35 37 E, 772 m): **RMCA**: 12044 - Rugari Mission (02 43 45 S 30 24 00 E, 1651 m): **MHNG**: 1607.070 - Rugari mission (024345S 302400E, 1651 m): **MHNG**: 1607.067, 1607.068, 1607.069, 1607.071 - Russissi, bank [=Rusizi delta] (03 16 S 29 14 E): **ZMB**: T09305 - Rutana (035509S 295937E, 1810 m): **SMF**: 57570, 57571 - Tora (034115S 293340E, 2186 m): **RMCA**: 97.080-M-0232.

Cameroon:

Unknown locality: **BMNH**: 1923.1.22.22, 1923.1.22.23, 1923.1.22.24, 1923.1.22.25, 1934.11.22.2, 1989.726, 1989.727, 1989.728, 1989.729; **MCZ**: 20662, 20663, 20664 - Agyati: **ROM**: 55878, 55879 - Bafut (0605N 1006E, 1231 m): **ROM**: 55883 - Bitye (03 01 00 N 12 22 00 E, 616 m): **RMCA**: 1474, 2641 - Bitye (03 13 N 12 22 E, 2000 ft): **FMNH**: 29484; **MCZ**: 45117 - Boteke Village (0406N 0912E): **ROM**: 69060, 69066 - Buéa (04 09 34 N 09 14 12 E, 895 - 1850 m): **ZFMK**: 1963.0189 - Buea station, 2 km S (0409N 0912E): **ROM**: 68938 - Camp III (0409N 0913E): **ZFMK**: 1961.0672, 1961.0673 - Camp V (0413N 0932E): **ZFMK**: 1969.0490 - CDC Banana Research Station (0409N 0913E): **ROM**: 58321 - Dimako (04 23 00 N 13 35 00 E, 680 m): **RMCA**: 77.032-M-0199 - Djohong (06 50 00 N 14 42 00 E, 1242 m): **RMCA**: 73.016-M-0312, 73.016-M-0427, 73.016-M-0428, 73.016-M-0429, 73.016-M-0430, 73.016-M-0431, 73.016-M-0432, 73.016-M-0433, 73.016-M-0434, 73.016-M-0435, 73.016-M-0436, 73.016-M-0437, 73.016-M-0438, 73.016-M-0439, 73.016-M-0440, 73.016-M-0441, 73.016-M-0442, 73.016-M-0443, 73.016-M-0444, 73.016-M-0445, 73.016-M-0446, 73.016-M-0447, 73.016-M-0448, 73.016-M-0449, 73.016-M-0450, 73.016-M-0451, 73.016-M-0452, 73.016-M-0453, 73.016-M-0454, 73.016-M-0455, 73.016-M-0456, 73.016-M-0457, 73.016-M-0458, 73.016-M-0459, 73.016-M-0460, 73.016-M-0461, 73.016-M-0462, 73.016-M-0463, 73.016-M-0464, 73.016-M-0465, 73.016-M-0466, 73.016-M-0467, 73.016-M-0468, 73.016-M-0469, 73.016-M-0470, 73.016-M-0471, 73.016-M-0472, 73.016-M-0473, 73.016-M-0474, 73.016-M-0475, 73.016-M-0476, 73.016-M-0477, 73.016-M-0478, 73.016-M-0479, 73.016-M-0480, 73.016-M-0481, 73.016-M-0482, 73.016-M-0483, 73.016-M-0484, 73.016-M-0485, 73.016-M-0486, 73.016-M-0487, 73.016-M-0488, 73.016-M-0489, 73.016-M-0490, 73.016-M-0491, 73.016-M-0492, 73.016-M-0493, 73.016-M-0494, 73.016-M-0495, 73.016-M-0496 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **MCZ**: 14840, 14841, 14842, 14843, 14844 - Ekona (0415N 0919E): **ROM**: 46835 - Eséka (0340N 1045E): **AMNH**: 236319 - Eseka, 3 km S, 3 km W (0337N 1045E): **CM**: 58583 - Galim (07 06 00 N 12 29 00 E, 1120 m): **RMCA**: 73.016-M-0425, 73.016-M-0426 - Great Soppo (0409N 0912E): **ROM**: 68993,

68994, 68995 - Kribi (025700N 095500E, 13 m): **MNHN**: ZM-MO-1983-1031 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 55528 - Lolodorf (0316N 1050E): **CM**: 16082, 2992 - Lomié (03 10 00 N 13 37 00 E, 611 m): **ROM**: 57077 - Lomié (03 10 N 13 34 E, 611 m): **ROM**: 57119, 57120 - Lomié, 4 km from (03 09 N 13 35 E): **ROM**: 57130 - Lomié, 40 km N (03 09 N 13 35 E): **ROM**: 57146 - Mbakaou (06 19 00 N 12 49 00 E, 833 m): **RMCA**: 73.018-M-0229, 73.018-M-0230, 73.018-M-0442 - Meanja (0416N 0924E): **FMNH**: 106564, 106565, 106566, 106567, 106568; **ROM**: 46841, 54907 - Mpundu (0413N 0924E): **FMNH**: 106563 - Murkoryé: **MHNG**: 921.018 - Muyuna Town (0417N 0925E): **ROM**: 58297 - Poli (08 29 00 N 13 15 00 E, 780 m): **RMCA**: 73.017-M-0251 - Sakbayeme (0402N 1034E): **MCZ**: 20064 - small Soppo (0407N 0912E): **ROM**: 69032 - Victoria (04 00 36 N 09 09 36 E): **ZMB**: T09444 - Wakwa (07 14 00 N 13 35 00 E, 1143 m): **RMCA**: 73.017-M-0252, 73.017-M-0253 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.016-M-0423 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0592 - Yaoundé, 16 km S, 2 km E (0343N 1132E): **CM**: 58591, 58592, 58593 - Yaoundé, 23 km S, 1 km E (0340N 1132E): **CM**: 58594 - Yaoundé, 7 km S, 8 km W (0348N 1127E): **CM**: 58584, 58586, 58587, 58588 - Yaoundé, 9 km S, 10 km W (0347N 1125E): **CM**: 58589, 58590.

Central African Republic:

Bamingui-Bangoran National Park (0755N 2015E, 469 m): **BMNH**: 1981.240 - Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1985-1721, ZM-MO-1985-1722, ZM-MO-1985-1723, ZM-MO-1985-513, ZM-MO-1988-252 - Bangui or Boukoko (ca. 04 06 N 18 12 E): **MNHN**: ZM-MO-1984-1628, ZM-MO-1984-1629, ZM-MO-1984-1630, ZM-MO-1984-1631, ZM-MO-1984-1632, ZM-MO-1984-1633, ZM-MO-1984-1634, ZM-MO-1984-1635, ZM-MO-1984-1636, ZM-MO-1984-1637 - Boukoko (035400N 175600E): **MNHN**: ZM-MO-1984-1254, ZM-MO-1984-1255, ZM-MO-1984-213, ZM-MO-1984-217, ZM-MO-1984-218, ZM-MO-1984-289, ZM-MO-1984-296A, ZM-MO-1984-296B, ZM-MO-1985-389, ZM-MO-1985-390 - Boukoko or La Maboké (ca. 035400N 175600E): **MNHN**: ZM-MO-1984-1400, ZM-MO-1984-1401, ZM-MO-1984-1402, ZM-MO-1984-1403, ZM-MO-1984-1404, ZM-MO-1984-1405, ZM-MO-1984-1406, ZM-MO-1984-1407, ZM-MO-1984-1408, ZM-MO-1984-1409, ZM-MO-1984-1410, ZM-MO-1984-1411, ZM-MO-1984-1412, ZM-MO-1984-1413, ZM-MO-1984-1414, ZM-MO-1984-1415, ZM-MO-1984-1416, ZM-MO-1984-1417, ZM-MO-1984-1418, ZM-MO-1984-1419, ZM-MO-1984-1420, ZM-MO-1984-1421, ZM-MO-1984-1422, ZM-MO-1984-1423, ZM-MO-1984-1424, ZM-MO-1984-1425, ZM-MO-1984-1426, ZM-MO-1984-1427, ZM-MO-1984-1428, ZM-MO-1984-1429, ZM-MO-1984-1430, ZM-MO-1984-1431, ZM-MO-1984-1432, ZM-MO-1984-1433, ZM-MO-1984-1434, ZM-MO-1984-1435, ZM-MO-1984-1436, ZM-MO-1984-1437, ZM-MO-1984-1438, ZM-MO-1984-1439, ZM-MO-1984-1440, ZM-MO-1984-1441, ZM-MO-1984-1442, ZM-MO-1984-1443, ZM-MO-1984-1444, ZM-MO-1984-1445, ZM-MO-1984-1446, ZM-MO-1984-1447, ZM-MO-1984-1448, ZM-MO-1984-1449, ZM-MO-1984-1450, ZM-MO-1984-1451, ZM-MO-1984-1452, ZM-MO-1984-1453, ZM-MO-1984-1454, ZM-MO-1984-1455, ZM-MO-1984-1456, ZM-MO-1984-1457, ZM-MO-1984-1458, ZM-MO-1984-2044, ZM-MO-1984-2045, ZM-MO-1984-2046, ZM-MO-1984-2047, ZM-MO-1984-2048, ZM-MO-1984-2049, ZM-MO-1984-2050, ZM-MO-1984-2051, ZM-MO-1984-2052, ZM-MO-1984-2053, ZM-MO-1984-2054, ZM-MO-1984-2055, ZM-MO-1984-2056, ZM-MO-1984-2057, ZM-MO-1984-2058, ZM-MO-1984-2059, ZM-MO-1984-2060, ZM-MO-1984-2061, ZM-MO-1984-2062, ZM-MO-1984-2063, ZM-MO-1984-2064, ZM-MO-1984-2065, ZM-MO-1984-2066, ZM-MO-1984-2067, ZM-MO-1984-2068, ZM-MO-1984-2069, ZM-MO-1984-2070, ZM-MO-1984-2071, ZM-MO-1984-2072, ZM-MO-1985-514, ZM-MO-1985-991 - Koumbala Camp (0729N 2113E): **CM**: 73727 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-2004-1377, ZM-MO-1985-1000, ZM-MO-1985-1001, ZM-MO-1985-1002, ZM-MO-1985-1003, ZM-MO-1985-1004, ZM-MO-1985-1005, ZM-MO-1985-1006, ZM-MO-1985-1007, ZM-MO-1985-1008, ZM-MO-1985-515, ZM-MO-1985-516, ZM-MO-1985-992, ZM-MO-1985-993, ZM-MO-1985-994, ZM-MO-1985-995, ZM-MO-1985-996, ZM-MO-1985-997, ZM-MO-1985-998, ZM-MO-1985-999, ZM-MO-1988-253, ZM-MO-1995-3211, ZM-MO-1996-595 - M'Baikie (0354N 1800E): **CM**: 41014 - Ndele and Vakaga, between (0841N 2130E): **CM**: 73726 - Ouham, near (ca. 07 00 N 18 00 E): **MNHN**: ZM-MO-1985-990 - Uam (0618N 1622E): **ZMB**: 31501, 31502.

Chad:

Bébédjia (08 41 00 N 16 34 00 E, 397 m): **ZMA**: MAM.13502 - Fort Archambault (09 09 00 N 18 23 00 E, 347 m): **SMF**: 6389.

Comoros:

Anjouan Island (12 15 S 44 25 E): **ZMB**: T10473.

Congo:

Unknown locality: **HNHM**: 2869.6; **SMF**: 90195 - Brazzaville (04 15 33 S 15 17 05 E, 155 m): **MNHN**: ZM-MO-1985-314, ZM-MO-1985-989; **ZMA**: MAM.15649, MAM.15650 - Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1886-144, ZM-MO-1886-145, ZM-MO-1886-146, ZM-MO-1886-147 A, ZM-MO-1886-147 B, ZM-MO-1892-1576, ZM-MO-1892-1577, ZM-MO-1892-1578, ZM-MO-1892-1579 A, ZM-MO-1892-1579 B - Epéna (01 21 09 N 17 27 09 E, 376 m): **CM**: 113913, 113914, 113915, 113916, 113917, 113918, 113919, 113920, 113921, 113922, 113923, 113924, 113925, 113926, 113927, 113928, 113929, 113930, 113932 - Kelé (032048S 122815E, 173 m): **AMNH**: 120345 - Kunda (0025S 1545E): **HZM**: 310.20467, 312.20469, 313.20470 - Lekoumou, airport (02 46.766 S 13 33.594 E): **HZM**: 321.40186 - Meya: **HNHM**: 64.245.1 - Oubangi (0030S 17E): **ZMB**: 41678 - Sibiti (03 41 09 S 13 20 45 E, 440 m): **MNHN**: ZM-MO-1985-493 - Voka (0441S 1441E): **CM**: 113934.

Congo (Democratic Republic of the):

Unknown locality: **AMNH**: 51279; **BMNH**: 1906.7.1.10, 1906.7.1.11, 1906.7.1.12, 1906.7.1.13, 1906.7.1.15, 1906.7.1.16, 1906.7.1.17, 1906.7.1.7, 1906.7.1.8, 1906.7.1.9, 1907.7.8.36, 1907.7.8.37, 1926.7.6.85, 1926.7.6.86, 1926.7.6.87, 1926.7.6.88, 1926.7.6.89, 1926.7.6.90, 1926.7.6.91, 1930.11.11.166; **RMCA**: 27369, 27468, 27469, a1.097-M-0565, a1.097-M-0566, a1.097-M-0567, a1.097-M-0568, a1.097-M-0569, a1.097-M-0570, a1.097-M-0571, a1.097-M-0572, a1.097-M-0573, a1.097-M-0574, a1.097-M-0575, a1.097-M-0576, a1.097-M-0577, a1.097-M-0578, a1.097-M-0579, a1.097-M-0580, a1.097-M-0581; **SMF**: 93321 - Aba (03 52 00 N 30 14 00 E, 890 m): **AMNH**: 48979 (Holotype *Pipistrellus abaensis*), 48980 (Topotype *Pipistrellus abaensis*), 48981 (Topotype *Pipistrellus abaensis*); **RBINS**: 13862.1, 13862.2, 13866 - Abimva (03 09 00 N 29 06 00 E, 1100 m): **RMCA**: 9025, 9028a, 9030, 9031, 9032, 9033 - Aketi (02 50 N 23 56 E, 500 m): **UNIKIS**: AKETI607 - Albert National Park (01 00 00 S 29 15 00 E): **INPBC**: V1397.1, V1708; **RMCA**: 16639 - Albertville (0556S 2912E, 763 m): **RMCA**: 29302, 421 - Albertville-Moba (road?) (055700S 290100E): **RMCA**: 23320 - Ambarau (031000N 294400E, 867 m): **RMCA**: 21839 - Bafuaboka (02 07 00 N 27 40 00 E, 631 m): **AMNH**: 48951, 48952, 48954, 48955, 48956, 48957, 48958, 48959, 48960, 48961, 48962, 48963, 48964 - Bafwaboka (02 07 00 N 27 40 00 E, 631 m): **AMNH**: 48943, 48944, 48945, 48946, 48948, 48949, 48950, 49293, 49294, 49295, 49296, 49297, 49298, 49299, 49302, 49322; **RMCA**: 12369 - Bagbele (04 21 00 N 29 17 00 E, 742 m): **RBINS**: 13802.3, 13802.4, 13802.5, 13802.6; **RMCA**: 36867, 36868, 36869, 36870 - Bagbele Moke (04 21 00 N 29 17 00 E, 742 m): **RMCA**: 36871, 36872, 36873, 36874, 36875, 36876, 36877, 36878, 36879, 36880, 36881, 36882, 36883, 36884, 36885, 36886, 36887 - Bagbele Moko (04 21 N 29 17 E, 742 m): **RBINS**: 13802.1, 13802.2, 13861, 13864.01, 13864.02, 13864.03, 13864.04, 13864.05, 13864.06, 13864.07, 13864.08, 13864.09, 13864.10, 13864.11, 13864.12,

13864.13, 13864.14, 13864.15, 13865.01, 13865.02, 13865.03, 13865.04, 13865.05, 13865.06, 13865.07, 13865.08, 13865.09, 13865.10, 13865.11, 13865.12, 13867 - Bagisana (04 35 N 29 32 E): **RBINS**: 13863.1, 13863.2 - Bambesa (03 28 00 N 25 43 00 E, 614 m): **RMCA**: 17766 - Banalia (01 33 00 N 25 20 00 E, 432 m): **MCZ**: 38029 - Banana (060100S 122400E, 0 m): **RMCA**: 20525, 20526, 20527, 20749, 20763, 20764 - Basongo (04 20 00 S 20 24 00 E, 329 m): **RMCA**: 6644, 6645 - Batala's Village (00 30 N 29 15 E, 914 m): **FMNH**: 26495, 26496 - Batala's Village (0030N 2915E): **ZMUC**: 1541, 1542, 1543 - Batoko (river) (01 39 00 S 18 05 00 E): **RMCA**: 5388 - Bikoro (00 45 00 S 18 07 00 E, 344 m): **RMCA**: 6618, 6619, 6620a, 6622, 6623, 6624, 6625 - Bitshumbi (00 40 56 S 29 23 12E, 907 m): **RMCA**: 16640, 16641, 16642 - Bodjoki - Bumba (02 59 00 N 22 18 00 E, 441 m): **RMCA**: 88.011-M-0018, 88.011-M-0019 - Boende (00 13 00 S 20 52 00 E, 371 m): **RMCA**: 34076, 34079, 34080, 34081, 34083, 34084, 34085, 34086, 34087, 34088, 34089, 34090, 34091, 34092, 34094, 34096, 34097, 34098, 34099, 34101, 34102, 34103, 34104, 34105, 34106, 34107, 34108, 34110, 34111, 34112, 34113, 34115, 34116, 34117, 34118, 34119, 34121, 34122, 34123, 34124, 34126, 34127, 34129, 34130, 34131, 34132, 34133, 34134, 34135, 34136, 34137, 34138, 34139, 34140, 34141, 34142, 34143, 34144, 34145, 34147, 34148, 34149, 34150, 34151, 34152, 34153, 34154, 34155, 35640, 38715, 38716, 38719, 38720, 38721, 38722, 38723, 38726, 38727, 38728, 38729, 38730, 75.035-M-0027, 75.035-M-0030, 75.035-M-0031, 75.035-M-0032, 75.035-M-0033, 75.035-M-0034, 75.035-M-0035 - Bokala (030700S 170200E, 307 m): **RMCA**: 2401 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 21397, 21398, 21399, 21400, 21401, 21402, 21403, 21404, 21405, 21406, 21407, 21408, 21671, 22039, 22042, 22043, 22045, 22046, 22047, 22048, 22154, 22155, 22156, 22157, 22158, 22159, 22160, 22161, 22162, 22163, 22164, 22165, 22166, 22167, 22168, 22169, 22170, 22171, 22172, 22173, 22174, 22175, 22176, 22177, 22178, 22179, 22180, 22319, 22320, 22321, 23248, 23249, 23250, 23251, 23252, 23253, 23254, 23255, 23256, 23257, 23258, 23259, 23260, 23261, 23262, 23263, 23264, 23265, 23266, 23267, 23268, 23269 - Boma (0551S 1303E, 61 m): **SMF**: 2523 (Holotype *Vesperus pusillus*) - Bombia Bonelu (02 34 30 N 21 47 07 E): **MHNG**: 1870.081 - Bomili (0140N 2701E, 444 m): **MCZ**: 38028 - Bosodula (04 17 00 N 20 29 00 E, 599 m): **RMCA**: 17755 - Boteka (00 20 00 S 19 06 00 E, 333 m): **RMCA**: 85.021-M-0004, 85.021-M-0005, 85.021-M-0006, 85.021-M-0007, 85.021-M-0008, 85.021-M-0009, 85.021-M-0010, 85.021-M-0011, 85.021-M-0012, 85.052-M-0004 - Bugara (01 10 00 S 29 28 00 E, 1200 m): **INPBC**: W710.02, W710.03, W710.04, W710.05, W710.06, W710.07, W710.08, W710.09, W710.10, W710.11; **RMCA**: 37201, 37202, 37203, 37204, 37205, 37206, 37207, 37208, 37209, 37210, 37211 - Bukavu (02 30 30 S 28 51 39 E, 1498 m): **RMCA**: 38583 - Bulaya (01 12 S 29 27 E, 1160 m): **INPBC**: W1178.1, W1178.2, W1178.3, W1178.4, W1178.5, W1178.6, W1178.7, W1178.8, W1178.9, W868 - Bulundu (ca. 024200S 272000E): **BMNH**: 1963.1179 - Bumba (021 10 0 N 22 28 00 E, 419 m): **RMCA**: 18114 - Bunia (013400N 301500E, 1332 m): **MCZ**: 28544 - Bunkeya (10 24 00 S 26 58 00E, 1008 m): **RMCA**: 28803 - Bunyangura (01 09 00 S 29 26 00 E, 1200 m): **INPBC**: W795.01, W795.02, W795.03, W795.04, W795.05, W795.06, W795.07, W795.08, W795.09, W795.10, W795.11, W795.12, W795.13, W795.14, W795.15, W795.16, W795.17, W795.18, W795.19, W795.20, W795.21, W795.22, W795.23, W795.24, W795.25, W795.26, W795.27, W795.28, W795.29, W795.30, W795.31, W795.32, W795.33; **RMCA**: 37212, 37213, 37214, 37215, 37216, 37217, 37218, 37219, 37220, 37221, 37222, 37355, 37356, 37357, 37358, 37359, 37360, 37363 - Bunyenzi (01 10 00 S 29 27 00 E, 1225 m): **INPBC**: W1007.01, W1007.02, W1007.03, W1007.04, W1007.05, W1007.06, W1007.07, W1007.08, W1007.09, W1007.10, W1007.11, W1007.12, W1007.13, W1007.14, W1007.15, W1007.16, W1007.17, W1007.18, W1007.19, W1007.20, W624, W632; **RMCA**: 37189, 37190, 37193, 37248, 37249, 37250, 37251, 37252, 37253, 37254, 37255, 37256, 37257, 37258, 37259, 37260, 37261, 37262, 37263 - Busholinka river (01 11 S 29 29 E, 1350 m): **RMCA**: 37223, 37224 - Busu Mokalu (02 20 00 N 20 15 00 E): **RMCA**: 18093, 18094, 18095, 18096 - Buta (02 48 00 N 24 44 00 E, 434 m): **RMCA**: 14563a, 14563b, 14563c, 14581, 14586, 15731, 15732, 15733, 15734, 15735, 15736, 15911, 16572, 16573 - Butembo (0009N 2917E, 1381 m): **RMCA**: 27397 - Congo da Lemba (05 42 00 S 13 04 00 E): **RMCA**: 1544a, 1544b, 1544c, 1544d, 1544e, 1544f, 1544g, 1544h - Congo river, 75 mi up: **USNM**: 102499 - Costermansville (020300S 28510539E, 1498 m): **RMCA**: 20656 - Dika (04 22 00 N 27 40 00 E, 689 m): **RMCA**: 16257, 16260 - Dilolo (10 28 00 S 22 28 00 E, 1069 m): **RMCA**: 19076, 19077 - Dramba (03 40 00 N 30 19 00 E, 877 m): **RMCA**: 8991 - Duma (03 53 00 N 18 41 00 E, 356 m): **ZMH**: 41082?, 41083? - Dungu (03 37 00 N 28 34 00 E, 669 m): **RBINS**: 13803; **RMCA**: 1105a, 1105b, 1105c, 1105d, 1105e, 1105f, 1105g, 1105h, 1105i, 16192 - Eala (00 04 00 N 18 17 00 E, 301 m): **RMCA**: 6626, 6627 - Elila (02 43 00 S 25 53 00 E, 486 m): **RMCA**: 18044 - Elisabethville (114000S 272600E, 1209 m): **MNHN**: ZM-MO-1957-126 A; **RMCA**: 22456, 22718, 22719, 26220, 26332, 26344, 26345, 26365 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 48976, 48977, 48978, 49303, 49307, 49332, 52112, 52113; **RMCA**: 9045, 9059, 9897, 9898, 9899, 9900, 9901 - Faradje territory (03 44 00 N 29 43 00 E): **AMNH**: 49316 - Flandria (00 19 00 S 19 07 00 E, 337 m): **RMCA**: 16278, 16443, 90.007-M-0001 - Fomulac-Katana (02 13 S 28 50 E): **SMF**: 31837 - Fuko (01 15 S 29 28 E, 1300 m): **INPBC**: W1379.1, W1379.2, W1379.3, W854 - Fuko (river) (01 15 00 S 29 28 00 E, 1300 m): **RMCA**: 37282, 37283, 37284 - Funda Biabo (09 50 00 S 25 33 00 E, 693 m): **RMCA**: 5384 - Gahama (01 13 00 S 29 28 00 E, 1250 m): **INPBC**: W1241.1, W1241.2, W1241.3 - Gamangui (02 10 N 27 15 E, 600 m): **AMNH**: 48965 - Ganda-Sundi (04 52 00 S 12 52 00 E, 294 m): **RMCA**: 33276 - Gangala (034100N 290800E, 701 m): **RMCA**: 27470, 27471, 27472 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 12947, 13860, 8191, 8192, 8193, 8194 - Garamba National Park (04 10 00 N 29 30 00 E): **AMNH**: 49311 - Geramihasha (river) (01 13 00 S 29 27 00 E): **INPBC**: W997; **RMCA**: 37292, 37293, 37294, 37299, 37300, 37301, 37302, 37326, 37327, 37328, 37329 - Ibambi (02 22 00 N 27 37 00 E, 687 m): **RMCA**: 15390, 15391, 15392, 15393, 15394, 15395 - Ibembo (0238N 2337E, 420 m): **RMCA**: 20662 - Idjwi, Island (02 09 00 S 29 04 00 E, 1600 m): **MCZ**: 40763, 40764, 40765, 40766; **RMCA**: 28919, 28920 - Ikela (011100S 231600E, 425 m): **RMCA**: 27023, 27024 - Irangi (0154S 2827E): **RMCA**: 27473; **RMNH**: MAM.16372; **SMF**: 65013, 65014, 65015, 65016, 65017, 65018, 65019, 65020, 65021, 65022, 65023, 65024 - Iringi: **RMCA**: 407 - Irsac labo (02 14 24 S 28 47 50 E, 5400 ft): **RMNH**: MAM.16370 - Isai River (01 24 N 28 04 E): **HZM**: 206.7973 - Ishango river (00 08 S 29 36 E, 950 m): **INPBC**: W1372.1, W1372.2 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RBINS**: 14531; **RMCA**: 27581, 27582, 27583, 27584 - Kabengere (09 08 S 26 16 E, 732 m): **FMNH**: 29418, 29419, 29420, 29421, 29422, 29423, 29424, 30686 - Kabira (020300S 285500E, 1519 m): **RMCA**: 28914, 28915 - Kabongo (071900S 253500E, 918 m): **RMCA**: 21483 - Kadehe (river) (01 09 00 S 29 29 00 E, 1250 m): **INPBC**: W1426.01, W1426.02, W1426.03, W1426.04, W1426.05, W1426.06, W1426.07, W1426.08, W1426.09, W1426.10, W1426.11, W1426.12, W1426.13, W1426.14, W636, W638, W660, W779, W953; **RMCA**: 37195, 37196, 37197 - Kadjidji (02 09 00 S 28 54 00 E, 1455 m): **MNHN**: ZM-MO-1985-1069 - Kadjudju (02 09 00 S 28 54 00 E, 1455 m): **RMCA**: 12847a, 12847b, 12847c, 12848a, 12848b, 12848c, 12848d, 12848e, 12848f - Kahama (01 13 00 S 29 27 00 E, 1250 m): **INPBC**: W1496, W926.01, W926.02, W926.03, W926.04, W926.05, W926.06, W926.07, W926.08, W926.09, W926.10, W926.11, W926.12, W926.13, W926.14; **RMCA**: 37367, 37368, 37369, 37370, 37371, 37372 - Kakanda cave (104700S 263600E, 1438 m): **RBINS**: 14529, 14530; **RMCA**: 22888, 33068a - Kakanda Mutaka (104400S 262300E): **RMCA**: 22379 - Kakoi (05 06 11 S 18 55 58 E, 451 m): **MSB**: 274920 - Kakonde (11 04 39 S 26 31 15 E): **RMCA**: 26239, 26240, 26244 - Kakondo (02 15 00 S 28 42 00 E, 3051 m): **NMP**: 16873 - Kalanda: **MCZ**: 31982 - Kalulako (114200S

273400E): **MNHN**: ZM-MO-1957-126 B; **RMCA**: 26221, 26384, 26388, 26389, 26390, 26391, 26392, 26393 - Kamituga (030319S 281055E, 1207 m): **RMCA**: 32585, 32586, 32587, 32857, 32858, 32859, 32860, 32861, 32862 - Kamp U.M.H.K. (114100S 272900E): **RMCA**: 22452, 22453, 22454, 22455, 22457 - Kampala (02 12 00 S 27 45 00 E, 1068 m): **MCZ**: 57539, 57540 - Kananga (05 53 45 S 22 25 04 E, 608 m): **AMNH**: 212579, 212580; **FMNH**: 152772 - Kantundwe (01 10 00 S 29 28 00 E, 1150 m): **INPBC**: W1258, W1491.01, W1491.02, W1491.03, W1491.04, W1491.05, W1491.06, W1491.07, W1491.08, W1491.09, W1491.10, W1491.11, W1491.12, W1491.13, W1491.14, W1491.15, W1491.16, W1491.17, W1491.18, W1491.19, W1491.20, W1491.21, W1491.22, W1491.23, W1491.24, W1491.25, W617, W634, W640, W721; **RMCA**: 37173, 37194, 37285, 37286, 37287, 37288, 37289, 37290, 37291, 37295, 37296, 37297, 37336, 37337, 37338, 37339, 37340, 37341, 37342, 37343, 37344, 37345, 37346, 37347, 37348, 37349, 37350, 37351, 37352, 37353, 37354 - Kanyawamukunzi river (01 10 S 29 34 E, 1300 m): **INPBC**: W754.1, W754.2, W754.3 - Kanzarue river (01 09 00 S 29 24 00 E, 1150 m): **INPBC**: W766.1, W766.2, W766.3, W766.4, W766.5, W766.6, W766.7, W766.8, W766.9; **RMCA**: 37198 - Kapanga (08 21 00 S 22 35 00 E, 881 m): **RMCA**: 27667 - Kapaso (11 40 00 S 27 29 00 E): **RMCA**: 26381 - Kaponda (11 45 00 S 27 20 00 E, 1274 m): **RMCA**: 26337 - Karambi (00 39 S 29 21 E, 896 m): **ZMA**: MAM.24548 - Karavia [mine] (11 39 00 S 27 17 00 E): **RMCA**: 26346, 26347, 26360, 26361, 26362, 26363, 26364, 26374, 26375, 26376 - Karawa (03 20 00 N 20 18 00 E, 453 m): **RMCA**: 14569 - Kasai (ca. 06 00 S 22 00 E): **RMCA**: 739a, 739b, 739c, 739d - Kasebaya river (01 10 00 S 29 28 00 E, 1350 m): **RMCA**: 37270 - Kasenga (102200S 283800E, 938 m): **RMCA**: 22440 - Kasongo (11 26 28 S 27 58 04 E, 1147 m): **RMCA**: 26335 - Katana (02 13 30 S 28 49 53 E, 1595 m): **MNHN**: ZM-MO-1985-1068 - Katanga (former) province: **SMF**: 16870, 16871, 16872 - Kataye Sukunga: **RMCA**: 11548 - Kateke (09 04 S 26 43 E): **RBINS**: 10709 - Kiamanwa (09 30 00 S 27 55 00 E): **RMCA**: 11709 - Kiamokoto (0910S 2704E, 900 m): **RBINS**: 10710 - Kibanda (08 57 S 27 38 E, 1223 m): **MHNG**: 922.083, 922.084, 922.085 - Kifumwanshi (11 27 00 S 27 51 00 E): **RMCA**: 26334 - Kikanda (113300S 273700E): **MNHN**: ZM-MO-1957-126 C; **RMCA**: 23817, 23869, 26224, 26336, 26338, 26339, 26340, 26341, 26342, 26343, 26379, 26380 - Kikole-Pecheur: **SMF**: 58069 - Kikwit (05 03 44 S 18 52 38 E, 438 m): **RMCA**: 5478 - Kilia Kaparata (00 23 N 29 36 E, 980 m): **INPBC**: W509 - Kilinga (01 10 00 S 28 29 00 E, 1275 m): **INPBC**: W1256.1, W1256.2, W1256.3, W1256.4, W610, W750; **RMCA**: 37183, 37278, 37279, 37280 - Kilobelobe (11 42 00 S 27 34 00 E): **RMCA**: 26385, 26386, 26387 - Kilwa (09 18 00 S 28 20 00 E, 918 m): **RMCA**: 14589 - Kinkole (03 57 S 16 07 E, 474 m): **ZMA**: MAM.21153 - Kipopo (11 34 00 S 27 21 00 E): **RMCA**: 29142 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 82.031-M-0033, 82.031-M-0036, 82.031-M-0037, 82.031-M-0038, 82.031-M-0039, 82.031-M-0040, 82.031-M-0041, 82.031-M-0042, 82.031-M-0043, 82.031-M-0044, 82.031-M-0045, 82.031-M-0046, 82.031-M-0047, 82.031-M-0048, 82.031-M-0049, 82.031-M-0050, 82.031-M-0051, 82.031-M-0052, 82.031-M-0053, 82.031-M-0054, 82.031-M-0055, 82.031-M-0056, 82.031-M-0057, 82.031-M-0058, 82.031-M-0059, 82.031-M-0060, 82.031-M-0061, 82.031-M-0062, 82.031-M-0063, 82.031-M-0064, 82.031-M-0065, 82.031-M-0066, 82.031-M-0067, 82.031-M-0068, 82.031-M-0069 - Kisantu (050700S 150500E, 421 m): **RMCA**: 3433 - Kisingani (00 31 00 N 25 12 00 E, 447m): **HZM**: 207.7974, 208.7975 - Kisisile (01 25 S 29 30 E, 1250 m): **INPBC**: W832.01, W832.02, W832.03, W832.04, W832.05, W832.06, W832.07, W832.08, W832.09, W832.10, W832.11, W832.12, W832.13, W832.14, W832.15, W832.16 - Kiswishi [river] (125100S 291200E): **RMCA**: 26217, 26348, 26349, 26350, 26366, 26367, 26377, 26378 - Kiulu Mgemgo (04 24 00 S 17 42 00 E): **RMCA**: 77.012-M-0010 - Kiumba (01 56 25 S 29 04 47 E, 1602 m): **RMCA**: 28916, 28917 - Kivu region: **MCZ**: 46066, 46067, 46068, 46069 - Kivu, near (02 00 S 28 45 E): **MNHN**: ZM-MO-1985-1065, ZM-MO-1985-1070, ZM-MO-1985-1071, ZM-MO-1985-1072, ZM-MO-1985-1073, ZM-MO-1985-1074, ZM-MO-1985-1075, ZM-MO-1985-1076, ZM-MO-1985-1077, ZM-MO-1985-1078, ZM-MO-1985-1079 - Kokonde: **SMF**: 16874 - Kongolo (05 25 S 27 00 E): **HZM**: 209.7976, 210.7977, 211.7978, 212.7979, 213.7080, 214.7081, 215.7082, 216.7083, 217.7084, 218.7085, 219.7086, 220.7087, 221.7088, 222.7089, 253.8020, 254.8021 - Koteli (02 52 00 N 24 33 00 E, 432 m): **RMCA**: 16273, 16274, 8877, 8921 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 14159, 14160, 14161, 14162, 14163, 14164, 14165, 14166, 15515, 7752, 7753, 7754, 7755 - Lake Kivu, near (ca. 0200S 2910E): **MCZ**: 46157 - Loondo Mugunga (00 42 S 22 41 E): **RBINS**: 7468.1, 7468.2 - Lovoi (08 48 00 S 24 50 00 E, 1126 m): **RMCA**: 11737 - Luanza mission (08 42 00 S 28 42 00 E, 1132 m): **RMCA**: 1541 - Lubwe (10 42 56 S 27 22 33 E): **RMCA**: 26330, 26331 - Luebo (050200S 213300E, 478 m): **RMCA**: 6609, 6610, 6635, 6636, 6637, 6638, 6639, 6640, 6641a, 6641b, 6642, 6643 - Luisa (07 12 00 S 22 25 00 E): **RMCA**: 16445 - Luisa (07 12 S 22 25 E): **RMCA**: 90.005-M-0001 - Lukafu (10 31 00 S 27 33 00 E, 930 m): **RMCA**: 11129, 11130 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **RMCA**: 7039 - Lula (072500S 223300E): **RMCA**: 25629, 25630, 25631, 25632, 25633, 25634, 25635, 25636, 25637, 25638, 27200, 27201 - Lulenga (01 24 47 S 29 22 23 E, 2089 m): **RMCA**: 9151 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1927.12.21.11; **RMCA**: 1954, 1954cc, 1954d, 1954e, 1954f, 1954g, 31567, 31568, 31569, 31571, 31574, 31575, 32657, 32666, 33961, 33962, 7552, 7553, 7554, 7555, 7556, 7557, 7558, 7559, 7560, 7561, 7562, 7563, 7564, 7565 - Lusambo (04 58 00 S 23 27 00 E, 397 m): **RMCA**: 7334, 7335, 7336, 7337, 7338, 7339, 7340, 7631 - Lusinga (08 56 S 27 12E, 1513 m): **RBINS**: 10805 - Lwiro (02 14 24 S 28 47 50 E, 5400 ft): **RMCA**: 28028; **ZMZ**: 126637, 126638 - Mabali (02 20 00 S 28 50 00 E): **MCZ**: 48258, 48259, 48260; **RMCA**: 28918 - Mabwe (08 39 00 S 26 31 00 E, 574 m): **RBINS**: 10806.02, 10806.05, 10806.06, 10806.10, 10806.11, 10806.12, 10806.13, 10806.14, 10806.15, 10806.16 - Mabwe river (08 42 S 26 29 E, 590 m): **RBINS**: 10806.01, 10806.03, 10806.04, 10806.07, 10806.08, 10806.09 - Madimao (11 40 00 S 27 28 00 E): **RMCA**: 26333, 26351, 26352, 26353, 26354, 26355 - Makisabu (00 24 00 N 29 36 00 E, 950 m): **RMCA**: 37174 - Matadi (05 49 00 S 13 27 00 E, 18 m): **RMCA**: 13966 - Matale (02 39 17 S 28 21 55 E, 1217 m): **RMCA**: 15885 - Mauda (04 05 00 N 27 41 00 E): **RMCA**: 8955, 8958, 8969, 8970, 8971, 8978, 8979, 8989, 8990, 9902 - May Ya Moto (00 14 N 29 43 E, 950 m): **RMCA**: 37281, 37375 - Mayumbe (ca. 05 00 S 15 00 E): **RMCA**: 90.012-M-0002 - Mbalaka (plantation) (05 00 00 S 18 53 00 E): **RMCA**: 97.021-M-0838 - Medje (02 25 00 N 27 18 00 E, 617 m): **AMNH**: 48966, 49291, 49304, 49308, 49314, 49338 - M'Gayu (01 35 00 N 27 13 00 E): **RMCA**: 12368 - Mimbulu (11 43 00 S 27 19 00 E): **RMCA**: 26382, 26383 - Moera (00 39 00 N 29 30 00 E, 1000 m): **RMCA**: 16285 - Mosenge (04 39 00 S 18 58 00 E, 508 m): **RMCA**: 88.011-M-0021 - Mount Wago (014500N 304000E, 2240 m): **RBINS**: 21658, 21659; **RMCA**: 20791, 20792, 20793, 20794, 20795, 20796, 20797, 20798, 20799, 20800, 20801, 21469, 21470, 21471, 21472, 21473, 21474, 21475, 23301 - M'Pala, Kazenze (10 29 S 25 13 E): **RBINS**: 14524, 14525, 14526, 14527, 14528 - Mugeri (mission) (02 12 S 28 42 E, 1493 m): **FMNH**: 173297, 173298, 173299, 173300, 173301, 173302 - Mugunga, Lake (01 37 S 29 08 E, 1500 m): **RBINS**: 4761, 4762; **RMCA**: 16635, 16636, 16637 - Mukuta (11 21 00 S 27 47 00 E, 1229 m): **RMCA**: 26394, 26395, 26396, 26397, 26398, 26399, 26400, 26401 - Mulongo (07 50 S 27 00 E, 578 m): **HZM**: 223.7990, 224.7991, 225.7992, 226.7993, 227.7994, 228.7995, 229.7996, 230.7997, 231.7998, 232.7999, 233.8000, 234.8001, 235.8002, 236.8003, 237.8004, 238.8005, 239.8006, 240.8007, 241.8008, 242.8009, 243.8010, 244.8011, 245.8012, 246.8013, 247.8014, 248.8015, 249.8016, 250.8017, 251.8018, 252.8019 - Mulungu (02 19 00 S 28 48 00 E, 1159 m): **RMCA**: 13095, 15873, 15874 - Murambi (01 08 00 S 29 27 00 E, 1275 m): **INPBC**: W1193, W1321, W1516.01, W1516.02, W1516.03, W1516.04, W1516.05, W1516.06, W1516.07, W1516.08, W1516.09, W1516.10, W604, W606, W608, W642, W644; **RMCA**: 28029, 37175, 37176, 37177, 37178, 37179, 37180, 37181, 37182, 37199,

37200 - Musosa, near (08 22 S 29 38 E): **RBINS**: 14532, 14533 - Musugeriza river (01 09 S 29 27 E, 1150 m): **INPBC**: W785, W919.1, W919.2, W919.3, W919.4, W919.5, W919.6 - Mutsora (00 19 00 N 29 44 00 E, 1200 m): **INPBC**: W333.1, W333.2, W333.3 - Mutwanga (002000N 294500E, 1338 m): **RMCA**: 16600 - Mwenda-Katuka piste (ca. 00 24 43 N 29 46 10 E): **RBINS**: 15452.01, 15452.02, 15452.03, 15452.04, 15452.05, 15452.06, 15452.07, 15452.08, 15452.09, 15452.10, 15452.11, 15452.12, 15452.13, 15452.14, 15452.15, 15452.16, 15452.17, 15452.18, 15452.19, 15452.20, 15452.21 - Nakilubo (11 34 00 S 27 19 00 E, 1280 m): **RMCA**: 26329, 26368, 26369, 26370 - Netonna (05 58 S 12 27 E): **SMF**: 2524 (Lectotype *Vesperugo pagenstecheri*), 2525 (Paralectotype *Vesperugo pagenstecheri*) - N'Gayu area (ca. 01 35 00 N 27 13 00 E): **AMNH**: 48942, 48953, 49343 - N'Goma (00 21 00 N 28 44 00 E, 905 m): **RMCA**: 9903 - N'Gombe (06 35 00 S 20 42 00 E, 528 m): **RMCA**: 6611, 6628, 6629, 6630, 6631, 6632, 6633, 7311, 7312 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 48967, 48968, 48969, 48970, 48971, 48972, 48973, 48974, 48975 - Nyabikere (01 10 00 S 29 27 00 E, 1160 m): **INPBC**: W1246, W1334, W1375, W1532.01, W1532.02, W1532.03, W1532.04, W1532.05, W1532.06, W1532.07, W1532.08, W1532.09, W1532.10, W1532.11, W1532.12, W1532.13, W1532.14, W1532.15, W1532.16, W1532.17, W1532.18, W1532.19, W1532.20, W1532.21, W1532.22, W1532.23, W1532.24, W1532.25, W1532.26, W1532.27, W1532.28, W1532.29, W1532.30, W1532.31, W1532.32, W1532.33, W1532.34, W1532.35, W620, W622; **RMCA**: 37187, 37188, 37225, 37226, 37227, 37228, 37229, 37230, 37231, 37232, 37233, 37234, 37312, 37313, 37314, 37315, 37316, 37317, 37318, 37319, 37320, 37321, 37322, 37323, 37324, 37325, 37361, 37362, 37364 - Nyabitembe river (01 13 00 S 29 24 00 E, 1225 m): **INPBC**: W856.1, W856.2, W856.3, W856.4, W856.5, W856.6; **RMCA**: 37298 - Nyakariba river (01 13 00 S 29 24 00 E, 1325 m): **RMCA**: 37235, 37236, 37237, 37238 - N'Zulu (00 36 00 S 29 05 00 E, 1500 m): **RMCA**: 16638 - Nzulu (00 36 S 29 05 E, 1500 m): **RBINS**: 4763, 4764 - Omaniumdu (03 21 00 S 23 16 00 E, 464 m): **RMCA**: 29537 - Pili Pili (00 33 00 N 27 44 00 E): **RMCA**: 1610 - Poko (03 09 00 N 26 53 00 E, 641 m): **RMCA**: 4797 - Poko zone (ca. 03 09 N 26 53 E): **AMNH**: 49329 - Popokabaka (054200S 163500E, 485 m): **RMCA**: 90.009-M-0001 - Risimu zone (01 00 00 N 26 45 E): **AMNH**: 49346 - Rodahira (river) (01 13 00 S 29 26 00 E, 1200 m): **INPBC**: W1195, W1197.1, W1197.2, W1197.3, W1197.4, W1197.5, W1197.6, W1197.7, W1197.8, W612, W614, W875.2; **RMCA**: 37185, 37330, 37331, 37332, 37333, 37334, 37335, 37365, 37366 - Rumangabo (01 21 28 S 029 22 09 E, 1587 m): **INPBC**: V1461.2.1, V1461.2.2, V1461.2.3, V1461.2.4, V1461.2.5, V1461.2.6, V1461.27 - Rumanura river (01 10 00 S 29 28 00 E, 1200 m): **INPBC**: W939.01, W939.02, W939.03, W939.04, W939.05, W939.06, W939.07; **RMCA**: 37307, 37308, 37309, 37310, 37311 - Rusenyi river (01 12 00 S 29 35 00 E, 1300 m): **RMCA**: 37184, 37186, 37271, 37272, 37273, 37274, 37275, 37276, 37277 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **FMNH**: 26499, 30669, 30670, 30671; **INPBC**: V121, V1248, V1348, V1349, V1350.2, V1352.1, V1352.2, V1353.1, V1355, V1357, V1358, V1366, V1368, V1369, V1370, V1372, V1373, V1374, V1376, V1377, V1378, V1379, V1380, V1382.1, V1383, V1384, V1385, V1386.1, V1388, V1390, V1391, V1392, V1393, V1394, V1395, V1396, V1398, V1400, V1401, V1404, V1405, V1420.1, V1421, V1424, V1425, V1428, V1522.1, V1527, V1528, V1530, V1531, V1594.001, V1594.002, V1594.003, V1594.004, V1594.005, V1594.006, V1594.007, V1594.008, V1594.009, V1594.010, V1594.011, V1594.012, V1594.013, V1594.014, V1594.015, V1594.016, V1594.017, V1594.018, V1594.019, V1594.020, V1594.021, V1594.022, V1594.023, V1594.024, V1594.025, V1594.026, V1594.027, V1594.028, V1594.029, V1594.030, V1594.031, V1594.032, V1594.033, V1594.034, V1594.035, V1594.036, V1594.037, V1594.038, V1594.039, V1594.040, V1594.041, V1594.042, V1594.043, V1594.044, V1594.045, V1594.046, V1594.047, V1594.048, V1594.049, V1594.050, V1594.051, V1594.052, V1594.053, V1594.054, V1594.055, V1594.056, V1594.057, V1594.058, V1594.059, V1594.060, V1594.061, V1594.062, V1594.063, V1594.064, V1594.065, V1594.066, V1594.067, V1594.068, V1594.069, V1594.070, V1594.071, V1594.072, V1594.073, V1594.074, V1594.075, V1594.076, V1594.077, V1594.078, V1594.079, V1594.080, V1594.081, V1594.082, V1594.083, V1594.084, V1594.085, V1594.086, V1594.087, V1594.088, V1594.089, V1594.090, V1594.091, V1594.092, V1594.093, V1594.094, V1594.095, V1594.096, V1594.097, V1594.098, V1594.099, V1594.100, V1594.101, V1594.102, V1594.103, V1594.104, V1594.105, V1594.106, V1594.107, V1594.108, V1594.109, V1594.110, V1594.111, V1594.112, V1594.113, V1594.114, V1594.115, V1594.116, V1594.117, V1594.118, V1594.119, V1594.120, V1594.121, V1594.122, V1594.123, V1594.124, V1594.125, V1594.126, V1594.127, V1594.128, V1594.129, V1594.130, V1594.131, V1594.132, V1594.133, V1594.134, V1594.135, V1594.136, V1594.137, V1594.138, V1594.139, V1594.140, V1594.141, V1594.142, V1594.143, V1594.144, V1594.145, V1594.146, V1594.147, V1594.148, V1594.149, V1594.150, V1594.151, V1594.152, V1594.153, V1594.154, V1594.155, V1594.156, V1594.157, V1594.158, V1594.159, V1594.160, V1594.161, V1594.162, V1594.163, V1594.164, V1594.165, V1594.166, V1594.167, V1594.168, V1594.169, V1594.170, V1594.171, V1594.172, V1594.173, V1594.174, V1594.175, V1594.176, V1594.177, V1594.178, V1594.179, V1594.180, V1594.181, V1594.182, V1594.183, V1594.184, V1594.185, V1594.186, V1594.187, V1594.188, V1594.189, V1594.190, V1594.191, V1594.192, V1594.193, V1594.194, V1594.195, V1594.196, V1594.197, V1594.198, V1594.199, V1594.200, V1594.201, V1594.202, V1594.203, V1594.204, V1594.205, V1594.206, V1594.207, V1594.208, V1594.209, V1594.210, V1594.211, V1594.212, V1594.213, V1594.214, V1594.215, V1594.216, V1594.217, V1594.218, V1594.219, V1594.220, V1594.221, V1594.222, V1594.223, V1594.224, V1594.225, V1594.226, V1594.227, V1594.228, V1594.229, V1594.230, V1594.231, V1594.232, V1594.233, V1594.234, V1594.235, V1594.236, V1594.237, V1594.238, V1594.239, V1594.240, V1594.241, V1594.242, V1594.243, V1594.244, V1594.245, V1594.246, V1594.247, V1594.248, V1594.249, V1594.250, V1594.251, V1594.252, V1594.253, V1594.254, V1594.255, V1594.256, V1594.257, V1594.258, V1594.259, V1594.260, V1594.261, V1594.262, V1594.263, V1594.264, V1594.265, V1594.266, V1594.267, V1594.268, V1594.269, V1594.270, V1594.271, V1594.272, V1594.273, V1594.274, V1594.275, V1594.276, V1594.277, V1594.278, V1594.279, V1594.280, V1594.281, V1594.282, V1594.283, V1594.284, V1594.285, V1594.286, V1594.287, V1594.288, V1594.289, V1594.290, V1594.291, V1594.292, V1594.293, V1594.294, V1594.295, V1594.296, V1594.297, V1594.298, V1594.299, V1594.300, V1594.301, V1594.302, V1594.303, V1594.304, V1594.305, V1594.306, V1594.307, V1594.308, V1594.309, V1594.310, V1594.311, V1594.312, V1594.313, V1594.314, V1594.315, V1594.316, V1594.317, V1594.318, V1594.319, V1594.320, V1594.321, V1594.322, V1594.323, V1594.324, V1594.325, V1594.326, V1594.327, V1594.328, V1594.329, V1594.330, V1594.331, V1594.332, V1594.333, V1594.334, V1594.335, V1594.336, V1594.337, V1594.338, V1594.339, V1594.340, V1594.341, V1594.342, V1594.343, V1594.344, V1594.345, V371, V377, W1164, W1525, W626, W628, W630, W739, W775, W989.01, W989.02; **RMCA**: 14445, 17090, 37191, 37192, 37239, 37240, 37241, 37242, 37243, 37244, 37245, 37246, 37247, 37264, 37265, 37266, 37267, 37268, 37269, 37303, 37304, 37305, 37306, 37373, 37374 - Ruwenzori (00 25 N 29 50 E): **ZMB**: T09311 - Sakania (124500S 283400E, 1278 m): **RMCA**: 2821 - Shindaika (11 39 00 S 27 41 00 E): **RMCA**: 26356, 26357, 26358, 26359 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 15373, 15379, 7107, 7169, 7174, 7181, 7182, 7183 - St Joseph mission (06 01 00 S 22 19 00 E, 608 m): **BMNH**: 1934.10.24.19 - St. Jos

(060100S 221900E, 608 m): **AMNH**: 117649 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86142, 86153, 86154, 86155, 86156, 86157, 86158, 86159, 86160, 86161, 86162, 86163, 86164 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **AMNH**: 48937, 48938, 48939, 48940, 49325, 49342; **RMCA**: 11707, 16262, 282, 282a, 282b, 282c, 282d, 282e, 282f, 894 - Tandala (02 58 00 N 19 21 00 E, 456 m): **CM**: 86794, 86796, 86797, 86798, 86799, 86800, 86802, 86803, 86804; **MHNG**: 1870.082, 1870.083, 1870.084, 1870.085, 1870.086, 1870.087, 1870.088; **USNM**: 463498, 463499, 463500, 463501, 463502, 463503, 537722, 537723 - Teturi (01 04 00 N 29 08 00 E, 766 m): **RBINS**: 7050, 7051 - Tondu (00 53 00 S 18 09 00 E): **RMCA**: 6612, 6613, 6614, 6615, 6616, 6617, 6621 - Tshakala (00 27 27 N 25 32 05 E, 453 m): **RMCA**: 82.019-M-0005, 82.019-M-0006 - Tshibaka (07 43 00 S 23 12 00 E, 882 m): **RMCA**: 25628 - Tshikapa (06 25 00 S 20 48 00 E, 485 m): **RMCA**: 6634, 7310 - Tshisangwe (11 28 00 S 27 39 00 E): **RMCA**: 26371, 26372, 26373 - Upper Congo: **BMNH**: 1907.6.14.10, 1907.6.14.19, 1907.6.14.21, 1907.6.14.7, 1907.6.14.8, 1907.6.14.9 - Uvira (032424S 290845E, 746 m): **RMCA**: 22913; **ZMB**: T09307 - Vitshumbi (00 40 56 S 29 23 12 E, 907 m): **RBINS**: 4765, 4766 - Wafanya (01 21 00 S 20 20 00 E, 396 m): **RMCA**: 88.005-M-0004, 88.005-M-0005, 88.005-M-0006, 88.005-M-0013, 88.005-M-0015, 89.020-M-0047, 91.076-M-0001, 91.076-M-0015, 91.076-M-0030, 91.076-M-0042, 91.076-M-0043, 91.076-M-0049, 91.076-M-0050, 91.076-M-0053, 91.076-M-0054, 91.076-M-0062, 91.076-M-0066, 91.076-M-0068, 91.076-M-0069, 91.076-M-0070, 91.076-M-0071, 91.076-M-0084, 91.076-M-0085, 91.076-M-0087, 91.076-M-0088, 91.076-M-0089, 91.076-M-0091, 91.076-M-0093, 91.076-M-0094, 91.076-M-0095, 91.076-M-0096, 91.076-M-0097, 91.076-M-0103, 91.076-M-0105, 91.076-M-0108, 91.076-M-0112, 92.079-M-0004, 92.079-M-0005, 92.079-M-0006, 92.079-M-0007, 92.079-M-0008, 92.079-M-0009, 92.079-M-0010, 92.079-M-0011, 92.079-M-0012, 92.079-M-0013, 92.079-M-0044, 92.079-M-0045, 92.079-M-0046, 92.079-M-0047, 92.079-M-0048, 92.079-M-0049, 92.079-M-0050, 92.079-M-0051, 92.079-M-0052, 92.079-M-0053, 92.079-M-0054, 92.079-M-0055, 92.079-M-0056, 92.079-M-0071, 92.079-M-0080, 92.079-M-0081, 92.079-M-0082, 92.079-M-0083, 92.079-M-0084, 92.079-M-0085, 92.079-M-0086, 92.079-M-0087, 92.079-M-0088, 92.079-M-0089, 92.079-M-0090, 92.079-M-0091, 92.079-M-0092, 92.079-M-0093, 92.079-M-0094, 92.079-M-0095, 92.079-M-0096, 92.079-M-0097, 92.079-M-0098, 92.079-M-0099, 92.079-M-0100, 92.079-M-0101, 92.079-M-0102, 92.079-M-0105, 92.079-M-0106, 92.079-M-0107, 92.079-M-0108, 92.079-M-0109, 92.079-M-0127, 92.079-M-0128, 92.079-M-0129, 92.079-M-0130, 92.079-M-0131, 92.079-M-0132, 92.079-M-0133, 92.079-M-0134, 92.079-M-0135, 92.079-M-0136, 92.079-M-0137, 92.079-M-0138, 92.079-M-0139, 92.079-M-0153, 92.079-M-0154 - Wilibadi river (03 55 00 N 29 08 00 E): **RBINS**: 8195.1, 8195.2, 8195.3, 8195.4 - Yakuluku (04 20 00 N 28 48 00 E, 697 m): **AMNH**: 49344 - Yalosemba (02 35 N 24 47 E, 422 m): **CM**: 86790, 86791, 86792; **MHNG**: 1870.078, 1870.079; **USNM**: 463488, 463489, 463490, 463495, 463496, 463497 - Yalusaka (01 05 00 S 22 58 00 E, 420 m): **RMCA**: 27164, 27165, 27167, 27168, 27170, 27171, 27173 - Yamazo Yamono (02 34 30 N 21 47 07 E): **MHNG**: 1870.080; **USNM**: 463491, 463492, 463493, 463494 - Yangambi (00 47 00 N 24 28 00 E, 437 m): **RBINS**: 6989, 6990, 6991 - Yangambi division forest (00 47 00 N 24 24 00 E): **RMCA**: 37900.

Côte d'Ivoire:

Unknown locality: **BMNH**: 1923.2.3.62; **HZM**: 261.12176; **MNHN**: ZM-MO-1985-952, ZM-MO-1985-987, ZM-MO-1985-988; **RMCA**: 97.077-M-3202, 97.077-M-3203, 97.077-M-3204, 97.077-M-3205, 97.077-M-3206, 97.077-M-3207, 97.077-M-3208, 97.077-M-3209, 97.077-M-3210, 97.077-M-3221, 97.077-M-3222, 97.077-M-3223, 97.077-M-3224, 97.077-M-3225, 97.077-M-3226, 97.077-M-3228, 97.077-M-3229, 97.077-M-3230, 97.077-M-3231, 97.077-M-3246, 97.077-M-3247, 97.077-M-3248, 97.077-M-3249, 97.077-M-3250, 97.077-M-3251, 97.077-M-3252, 97.077-M-3253, 97.077-M-3254, 97.077-M-3255, 97.077-M-3256, 97.077-M-3259, 97.077-M-3260, 97.077-M-3261, 97.077-M-3262, 97.077-M-3263, 97.077-M-3264, 97.077-M-3265, 97.077-M-3266, 97.077-M-7720, 97.077-M-7721, 97.077-M-7722, 97.077-M-7723; **SMF**: 91931, 91932, 91933 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **MHNG**: 924.098, 925.003, 925.012, 925.029, 925.031; **RMCA**: 34857, 34862, 34863, 97.077-M-3179, 97.077-M-3185, 97.077-M-3186, 97.077-M-3187, 97.079-M-0765, 97.079-M-0780, 97.079-M-0781, 97.079-M-0782, 97.079-M-0783, 97.079-M-0784, 97.079-M-0785, 97.079-M-0786, 97.079-M-0788, 97.079-M-0789, 97.079-M-0790, 97.079-M-0792, 97.079-M-0793, 97.079-M-0794, 97.079-M-0795, 97.079-M-0801, 97.079-M-0810, 97.079-M-0811, 97.079-M-0812, 97.079-M-0813, 97.079-M-0814, 97.079-M-0815, 97.079-M-0816, 97.079-M-0817, 97.079-M-0818, 97.079-M-0819, 97.079-M-0820, 97.079-M-0821, 97.079-M-0822, 97.079-M-0823, 97.079-M-0824, 97.079-M-0825, 97.079-M-0826, 97.079-M-0827, 97.079-M-0828 - Asakra (0624N 0454W): **MHNG**: 925.011, 925.022, 925.023 - Blodi (06 47 02 N 07 17 37 W, 282 m): **RMCA**: 97.077-M-3297, 97.077-M-3298 - Cosrou (0519N 0439W): **MHNG**: 925.005 - Doropo (09 49 00 N 03 20 00 W, 287 m): **RMCA**: 34864 - Flampleu (07 16 33 N 08 02 43 W, 373 m): **RMCA**: 34858 - Guéboua (05 59 02 N 05 41 21 W, 227 m): **AMNH**: 239404, 239405; **RMCA**: 97.077-M-3227 - Guidéko (ca. 05 55 N 06 40 W): **MNHN**: ZM-MO-1911-1598 - Jackeville-Bingerville (ca. 05 16 N 04 12 W): **MNHN**: ZM-MO-1911-816 A, ZM-MO-1911-816 B - Jacqueville (0512N 0424W): **USNM**: 429942, 429945 - Lakota, 15 km N (0550N 0540W): **AMNH**: 239406 - Lallie, lake (05 20 00 N 04 00 00 W): **RMCA**: 97.079-M-0791 - Lamto (06 12 00 N 05 02 00 W): **HZM**: 260.12175 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1720, ZM-MO-1985-1769, ZM-MO-1985-1770, ZM-MO-1985-1771, ZM-MO-1987-90 - Mount Nimba (0736N 0825W): **MNHN**: ZM-MO-1985-1162 - Oumé (03 23 00 N 05 25 00 W, 153 m): **RMCA**: 97.077-M-3245 - Parc National de Mont Peko (06 56 N 07 10 W): **ROM**: 100537, 100550, 100552 - Saibly (06 33 00 N 08 02 00 W): **RMCA**: 34859 - Tiegba [5 locs]: **MHNG**: 925.032 - Toyébli (06 37 11 N 08 28 50 W, 211 m): **RMCA**: 34860, 34861.

Djibouti:

no specific locality: **ZMB**: T09724 - Somali française: **MNHN**: ZM-MO-1881-5.

Equatorial Guinea:

Engong (01 53 N 10 17 E, 325 m): **MSB**: 28900 - San Benito (01 35 N 09 37 E, 343 m): **MNHN**: ZM-MO-1885-839.

Ethiopia:

Unknown locality: **BMNH**: 1898.3.19.8, 1960.143, 1960.144, 1970.2257, 1970.2258_1, 1970.2258_2, 1970.2258_3, 1970.479, 1970.481, 1971.674, 1972.4413_1, 1972.4413_2, 1972.4413_3, 1976.807, 1976.808_1, 1976.808_2, 1976.808_3; **MNHN**: ZM-MO-1983-984, ZM-MO-1985-985, ZM-MO-1985-986; **USNM**: 462745 - Abyssinia: **MNHN**: ZM-MO-1905-452, ZM-MO-1985-983 - Arba Minch (06 02 N 37 36 E, 1284 m): **SMF**: 45736 - Bahar Dar (11 36 N 37 23 E, 1783 m): **SMF**: 40642, 40643, 40644, 40645, 40646 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **USNM**: 462746, 462749, 462750, 462751, 462752, 497612, 497613, 497614, 497615, 497616, 589155 - Didessa settlement (09 02 N 36 09 E): **CM**: 52656; **USNM**: 462747, 497617, 520902 - Ginir, 30 mi [=48 km] N (0706N 4039E, 1951m): **ROM**: 71830, 71835, 71866, 71905, 71939 - Jimma, 5 km E (07 40 N 36 50 E, 1753 m): **SMF**: 49590, 49591, 49592 - Sabeta: **HNHM**: 95.89.250, 95.89.251 - Sauena (0723N 4116E, 1195 m): **USNM**: 462748 - Shoa province (ca. 09 00 N 39 00 E): **SMF**: 4306 (Lectotype *Vespertilio Pipistrellus varietas africana*) - Woliso (0833N 3700E): **HZM**: 63.3134, 64.3135.

Gabon:

Unknown locality: **BMNH**: 1958.313, 1958.314; **MCZ**: 7038, 7039, 7040 - Batouala (00 48 N 13 26 E, 489 m): **MNHN**: ZM-MO-1886-1698, ZM-MO-1886-1699, ZM-MO-1985-1577 - Bélinga (01 08 00 N 13 07 00 E, 390 m): **ZMA**:

MAM.08283, MAM.08285 - Bengoué (00 58 S 09 11 E, 0 m): **MNHN**: ZM-MO-1985-1576 - Franceville (01 38 S 13 35 E, 333 m): **MNHN**: ZM-MO-1886-1697 - Lambarene (00 42 00 S 10 13 00 E, 45 m): **ZMB**: 4978 - Lambaréné (00 42 00 S 10 13 00 E, 45 m): **MNHN**: ZM-MO-1896-2438, ZM-MO-1896-2439 - Makokou (00 34 00 N 12 52 00 E, 308 m): **MNHN**: ZM-MO-1985-1569, ZM-MO-1985-1570, ZM-MO-1985-1571, ZM-MO-1985-1572, ZM-MO-1985-1573, ZM-MO-1985-1574, ZM-MO-1985-1575, ZM-MO-1985-1930; **ZMA**: MAM.08284, MAM.08286, MAM.08287, MAM.08289, MAM.08292 - Ogooué, near (ca. 00 06 S 11 56 E): **MNHN**: ZM-MO-1878-106, ZM-MO-1878-107 - Samkitta (00 27 S 10 27 E, 81 m): **MNHN**: ZM-MO-1876-2042.

Ghana:

Unknown locality: **BMNH**: 1911.1.22.5, 1911.2.14.4, 1911.2.14.5, 1953.656, 1965.757, 1965.758, 1965.759, 1972.192, 1975.555, 1975.556, 1976.744; **ROM**: 70606 - Accra, 9 mi [=14.5 km] NE (05 33 N 00 15 W): **CM**: 69165 - Adamso (0604N 0147W, 139 m): **USNM**: 468182, 468183, 468184, 468185, 468186, 468187, 468188 - Ankasi (ca. 06 22 N 01 34 W): **ROM**: 49077, 49078, 49079, 49080, 49081, 49082, 49083, 49084, 49085, 49086, 49087, 49088 - Bechem (07 05 N 02 02 W, 293 m): **ROM**: 52053, 52054, 52055 - Bekwai Ash (06 27 N 01 35 W, 219 m): **ROM**: 49114, 49115, 49116, 49117, 49118, 49119 - Bimbilla, 15 mi [=24 km] S (08 52 N 00 04 E): **AMNH**: 239407, 239408, 239409, 239410 - Jukwa (0515N 0121W): **USNM**: 412121, 412122 - Krokosua Hills Forest Reserve (06 37 N 02 51 W): **ZFMK**: 2003.1043 - Kumasi, 17 mi [=27 km] from (06 39 N 01 22 W, 217 m): **ROM**: 51628, 51629 - Larteh Junction (ca. 05 54 N 00 04 W): **ROM**: 55182 - Larteh, 3 km S (ca. 05 56 N 00 04 W): **ROM**: 55177 - Larteh, 5 km S (ca. 05 56 N 00 04 W): **ROM**: 55149, 55150, 55151 - Legon (05 39 00 N 00 11 00 W, 30 m): **USNM**: 412117 - Legon university (05 39 00 N 00 11 00 W, 75 m): **ROM**: 49108 - MomPort (07 04 N 01 24 W, 385 m): **ROM**: 51631 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 412118 - Nkawkaw, 3.25 km N, 1.33 km W (06 32 N 00 44 W): **CM**: 62409, 62410 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 55754, 55755, 55756, 55757 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414987 - Saruwi river (0516N 0120W): **USNM**: 412119, 412120 - Wenchi (07 44 00 N 02 06 00 W, 303 m): **ROM**: 62358.

Guinea:

Unknown locality: **ZMB**: 3835 - Guinee-Maritime (ca. 0942N 1322W): **HNHM**: 76.250.1 - Kallendu (112555N 123538W, 950m): **HNHM**: 76.248.1 - Kindia (100400N 125100W, 338 m): **MNHN**: ZM-MO-1985-951 - Yomou (prefecture) (ca. 07 30 N 09 10 W): **MNHN**: ZM-MO-1985-1156, ZM-MO-1985-1157, ZM-MO-1985-1158, ZM-MO-1985-1159 - Ziéla (074246N 082133W, 529 m): **MNHN**: ZM-MO-1985-1146, ZM-MO-1985-1147.

Guinea-Bissau:

Catió (1117N 1515W, 0 m): **CZL**: 46.20.220 - Pitche (12 20 N 13 57 W, 64 m): **CZL**: 46.20.314 - Ponta de Marques Mano (11 52 N 15 46 W): **CZL**: 45.20.002.

Kenya:

Unknown locality: **BMNH**: 1906.7.1.14, 1910.4.2.4, 1910.4.2.5, 1910.4.2.6, 1910.4.2.7, 1910.4.2.8, 1910.4.2.9, 1910.9.22.10, 1910.9.22.7, 1910.9.22.9, 1912.7.1.23, 1912.7.1.27, 1973.117, 1973.118, 1975.2557, 1975.2557_1, 1975.2557_2, 1975.2557_3, 1975.2558, 1975.2559, 1975.2778, 1975.2778_1, 1975.2778_2, 1975.2779, 1975.2780, 1975.2782, 1975.2784, 1975.2784_1, 1975.2784_2, 1975.2784_3, 1975.2784_4, 1975.2785, 1975.2786, 1975.2787, 1975.2788, 1975.2789, 1975.2933_1, 1975.2933_2, 1975.2933_3, 1975.2933_4, 1975.2933_5, 1975.2933_6, 1975.2933_7, 1975.2933_8; **RMNH**: MAM.27131, MAM.27132, MAM.27133, MAM.27134, MAM.27135, MAM.27136, MAM.27137, MAM.27138, MAM.32138, MAM.32139; **ROM**: 71803; **YPM**: MAM 000281 - Archer's Post (0039N 3741E): **USNM**: 184338, 184339, 184340 - Barberton Farm (ca. 0047N 3450E): **USNM**: 350980 - Bondo, 4 mi [=6.4 km] W (00 04 49 S 34 13 10 E): **ZMA**: MAM.10242 - Bushwacker's Safari Camp (02 19 S 38 07 E): **CM**: 98003 - Diani (04 16 19 S 39 34 08 E): **ZMA**: MAM.20790 - Donyo Sabuk (01 08 S 37 16 E): **ROM**: 63857, 63858, 63859, 63860, 63861, 63862 - Endebess (0104N 3451E): **ROM**: 67963 - Euaso Nyiro (0035N 3732E, 884 m): **USNM**: 182670 - Hoey's bridge (00 52 34 N 35 07 13 E, 1822 m): **HZM**: 6.2014 - Ikuywa River Bridge (00 12 00 N 34 54 00 E): **CM**: 98033, 98034 - Ikuywa river bridge (0013N 3455E): **CM**: 102221, 102222 - Kaimosi (00 08 S 34 47 E): **MCZ**: 31137, 31138, 31139, 31140, 31141, 31142, 31143, 31144, 31145 - Kaimosi (0008S 3447E): **CAS**: 24635 - Kakamega (0017N 3447E): **CM**: 10705 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **CUMV**: 13665, 13666; **ROM**: 50441, 50446, 50447, 50448, 50449, 50450, 50451, 50458, 50459, 50460, 50461, 50500, 50507, 50508, 50509, 50510, 50511, 50512, 50513, 50514, 50524, 50526, 50530, 50534, 65976, 65977, 65978, 65979, 65982, 65983, 65984, 65985, 65986, 65987, 75534, 75535, 75538, 75540, 75550, 75552, 75556, 75567, 75568, 78322, 81296, 81299, 81325, 81327 - Kakamega forest (0016N 3453E): **ROM**: 65989 - Kakamega forest station (0014N 3452E): **CM**: 98030, 98031, 98032; **MCZ**: 59887 - Kakamega forest, 8 mi SE (0016N 3453E): **USNM**: 350975 - Kalanzoni (ca. 0146S 3722E): **ROM**: 100013, 100014, 100015, 100016, 100017, 100021, 100041, 100042, 100043, 100044, 100045, 100046, 100052, 100053, 100055, 100057, 100059, 100060 - Kalonduni (ca. 0138S 3730E): **ROM**: 98969, 98970, 98971, 98972 - Kamuani (ca. 0131S 3716E): **CUMV**: 13634, 13670 - Kamuani Area (ca. 0131S 3716E): **CUMV**: 13618, 13635, 13667, 13668, 13669; **HZM**: 263.12451, 264.12452 - Kamuuani (ca. 0131S 3716E): **CUMV**: 14195, 14196, 14197, 14198, 14502, 14503, 14506, 14507, 14508, 14509, 14510; **HZM**: 307.17391, 308.17392; **ROM**: 100154, 100155, 100156, 77682, 77683, 77684, 77685, 77686, 77687, 88183, 88184, 88185, 88186, 88187, 88221, 88222, 98976, 98977, 98978, 98979, 98980, 98981, 98982, 98983, 99055, 99056, 99057, 99058, 99059, 99060, 99061, 99066, 99067, 99070, 99073, 99074, 99075, 99077, 99078, 99079 - Keyanguli (0130S 3715E, 1829 m): **ROM**: 102795 - Kibwezi (02 25 00 S 37 58 00 E, 3000 - 4000 ft): **USNM**: 436700; **WAM**: M26657, M26658, M26659, M26660, M26661, M26662, M26663, M26664, M26665, M26666, M26667, M26668 - Kilifi (0338S 3951E, 61 m): **ROM**: 78324; **USNM**: 350984 - Kinu (00 58 00 S 38 18 00 E): **RMCA**: 35583, 35584, 35585, 35586, 38554, 38555, 38556, 38557, 38558, 38559 - Kiriri (01 12 00 S 36 34 00 E, 1971 m): **RMCA**: 35582 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **USNM**: 301521, 436722, 436723, 436725 - Kitale, 12 mi W (0102N 3450E): **USNM**: 436701, 436703, 436704, 436705, 436706, 436716, 436717, 436718 - Kitale, 25 mi [=40 km] NW (ca. 01 01 N 35 01 E, 2042 m): **USNM**: 436724 - Kiuu (0036S 3709E, 1308 m): **ROM**: 38368 - Kivani (0143S 3722E): **ROM**: 71341 - Konza Farm (014500S 370700E): **ROM**: 100150, 100151, 100152, 100153 - Kyanguli (004839S 382302E): **CUMV**: 13636, 13637, 13638; **ROM**: 88224, 88225, 88237, 98984, 98985, 98993, 98994, 98995, 99007, 99008, 99009, 99010, 99011, 99012, 99013, 99014, 99015, 99016 - Lakiundu River: **USNM**: 182671, 182672, 182673, 184335, 184336 - Lion Hill (03 22 32 S 38 33 59 E): **ZMA**: MAM.20791, MAM.20792, MAM.20793, MAM.20794 - Lukore area (04 13 S 39 25 E): **CUMV**: 13594 - Machakos (0131S 3716E): **ROM**: 71342, 71343, 71344, 71345, 71346, 71347 - Machakos, 15 mi [= 24 km] SE (0140S 3725E): **ROM**: 36342, 36343, 36344, 36345, 36346, 36347 - Makandara Forest (ca. 04 15 S 39 23 E): **ZMA**: MAM.20782, MAM.20783, MAM.20784, MAM.20785 - Marsabit road (0220N 3759E): **USNM**: 184341, 184342, 184343, 184344, 184345, 184346 - Mbololo, mount (0317S 3828E): **CM**: 10706; **MCZ**: 31867, 31868, 31869, 31870, 31871, 31872, 32060, 32061 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E): **ROM**: 78323 - Mukanda river (04 10 S 39 27 E, 152 m): **CUMV**: 13725 - Mumandu Hill (014000S 371700E): **ROM**: 71168, 71169, 71170, 71171 - Muumandu (01 35 S 37 21 E): **HZM**: 262.12450, 265.12453, 305.17389; **RMCA**: 35268b; **ROM**: 90452, 90453, 90454, 90455, 90456,

90457, 98973, 98974 - Muumandu (0135S 3721E): **ROM**: 98975 - Nakuchett (0146N 3507E, 1311 m): **USNM**: 436708 - Ndi (0314S 3830E, 2000 m): **ZMB**: 5261, 5270 - Nguruman Escarpment (0145S 3602E): **ROM**: 71417, 71418 - Northern Guaso Nyiro (0006S 3713E): **USNM**: 184337 - on Galole Road (013013S 400144E): **ROM**: 71310 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 63902, 63903, 63904 - Salazar Trail (00 20 06 N 34 52 26 E): **MMU**: PWW2926 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **ZMA**: MAM.20778, MAM.20779, MAM.20780, MAM.20781 - State Loge Campsite (00 06 34 S 34 44 46 E): **MMU**: PWW3004 - Taita hills, Ngangao forest (0322S 3821E): **CM**: 102219 - Taveta, 3 km E (03 23 S 37 42 E, 760 m): **CM**: 102216, 102217, 102218 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **ZMA**: MAM.20788, MAM.20789 - Ukamba [=Kitui] (0122S 3801E, 1160 m): **ZMB**: T10105 - Voi (03 23 S 38 34 E, 1800 - 2000 ft): **ROM**: 41839 - Voi, 2 mi [= 3.2 km] N (0323S 3833E, 564 m): **USNM**: 436698, 436699 - Yala river (00 06 N 34 32 E): **NRM**: A612759, A612763, A612764, A612772, A612886, A622694, A622707, A622709, A622718, A622744, A622760, A622823, A622824, A642711; **RMCA**: 8059, 8060; **USNM**: 197945, 197946, 197947, 197948, 197949, 197950, 197951, 197952, 197953.

Liberia:

Unknown locality: **BMNH**: 1911.7.28.1, 1911.7.28.2, 1911.7.28.3, 1911.7.28.4, 1911.7.28.5, 1911.7.28.6, 1979.507, 1979.511; **RMNH**: MAM.17834; **USNM**: 122165 - Bangah (071640N 100349W): **FMNH**: 34154; **MCZ**: 24338, 28538 - Coffee, Mount (06 29 19 N 10 38 47 W): **USNM**: 84499, 84500 (Holotype *Pipistrellus minusculus*) - Du River (061434N 103224W): **MCZ**: 24339, 24340, 24341 - Farmington river (0608N 1022W): **RMNH**: MAM.17836 (Holotype *Vesperugo stampflii*) - Firestone Plantation (062400N 102200W): **MVZ**: 133070, 133071, 133072, 133073, 133074, 133075, 133076, 133077, 133078, 133079, 133080, 133081, 133082 - Ganta: **AMNH**: 81433, 81434, 81435 - Kpeaple (06 36 12 N 08 32 25 W, 189 m): **SMF**: 20080, 20081, 20082, 20083 - L.T.C. (06 16 00 N 08 40 00 W): **RMCA**: 80.036-M-0033 - Lengatown (0618N 1023W): **MCZ**: 24343, 24345, 25141, 25142 - Miamu: **MCZ**: 24044, 24342, 24344 - Monrovia (0620N 1046W): **FMNH**: 34153; **HZM**: 1.4024, 2.4025, 3.4026, 4.4027 - Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 12594 - New Camp Forest (07 28 52 N 08 34 33 W, 483 m): **MNHN**: ZM-MO-1992-174 - Paynesville (0617N 1043W): **USNM**: 481731 - Reppo Town (0646N 1003W, 144 m): **MCZ**: 28563, 28564, 28565, 28566, 28567, 28568, 28569, 28570, 28571, 28572, 28573, 28574, 28575, 28576, 28577, 28578, 28579, 28580, 28581, 28582, 28583, 28584 - Robertsport (064512N 112207W, 158 m): **AMNH**: 276136, 276137 - Tars Town (0613N 0808W): **USNM**: 481732 - Zigida Village (080212N 092923W): **USNM**: 541532.

Madagascar:

Unknown locality: **MNHN**: ZM-MO-1918-39 - Beratro (25 00 S 45 17 E, 213 m): **MNHN**: ZM-MO-1983-753 - Cape Saint Vincent (2152S 4320E): **MCZ**: 45105 - Kinakina (25 00 S 45 17 E, 213 m): **MNHN**: ZM-MO-1983-754 - Morondava (201700S 441700E, 1 m): **MNHN**: ZM-MO-1918-38, ZM-MO-1948-38 - Tsimbazaza, lake (18 55 S 47 31 E): **MNHN**: ZM-MO-1985-409.

Malawi:

Unknown locality: **BMNH**: 1895.12.7.4, 1906.11.8.24, 1908.7.3.1, 1908.7.3.2, 1912.4.23.1, 1914.6.13.3, 1916.3.10.5, 1922.12.17.42, 1922.12.17.43, 1922.12.17.44, 1922.12.17.45, 1922.12.17.46, 1922.12.17.47, 1922.12.17.48, 1922.12.17.49, 1922.12.17.50, 1922.12.17.51, 1987.1084, 1987.1085, 1987.1086, 1987.1087, 1987.1088, 1987.1089, 1987.1090, 1987.1091, 1987.1092, 1987.1093, 1987.1094, 1987.1095; **SMF**: 85747, 85748, 91169 - Blantyre (15 47 00 S 35 00 00 E, 1065 m): **AMNH**: 161949, 161950, 161951, 161952; **KM**: 11705 - Chileka (15 41 S 34 56 E, 777 m): **ROM**: 35787, 35788, 35789, 35790, 35791, 35792, 35793 - Chileka (15 41 S 34 56 E, 823 m): **ROM**: 35795, 35796, 35797, 35798, 35799, 35800, 35801, 35802 - Chilinda Dam (10 35 18 S 33 48 40 E): **FMNH**: 211516, 211517, 211518, 211519, 211520, 211521, 211522, 211523, 211524, 211525, 211526 - Chilinda Dam 2, below (10 34 50 S 33 48 29 E): **FMNH**: 211530 - Chipanzi (14.25S 34.25E): **NHMZ**: 59246 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **FMNH**: 48740, 48741; **KU**: 79308, 79309, 79310 - Cholo (16 04 00 S 35 08 00 E, 905 m): **KU**: 79307 - Cholo, mount (16 05 00 S 35 09 00 E, 4000 ft): **AMNH**: 161970, 161971; **MCZ**: 43781 - Chongoni Forest Reserve (141807S 341322E): **FMNH**: 192110, 192111 - Ciwale Hill (14.3S 34.25E): **NHMZ**: 59239 - Kapalasa Farm (1531S 3511E): **DCDH**: 2843, 2844, 2873, 2874, 2999, 3036 - Karonga (09 56 S 33 56 E, 477 m): **HZM**: 200.6581 - Kota Kota (12 55 00 S 34 18 00 E, 471 m): **AMNH**: 161957, 161958, 161959, 161960, 161962, 161963, 161964, 161965, 161966, 161967, 161968, 161969; **KM**: 11732, 11737, 11738, 11739, 11741, 11742, 11743, 11744, 11745 - Lengwe National Park (16 15 S 34 45 E): **DCDH**: 2347 - Likabula (15 58 00 S 35 29 00 E, 760 m): **AMNH**: 161953, 161954, 161955, 161956 - Likabula mission (15 57 S 35 24 E): **TM**: 41786, 41806, 41807, 41808, 41809, 41810, 41812, 41813 - Likabula river (16 01 00 S 34 47 00 E, 1200 m): **MCZ**: 43847, 43848, 43849, 43850, 43851 - Luwawa dam (1207S 3344E, 1700m): **DCDH**: 2659 - Matipa-Wilindi Ridge (ca. 0939S 3326E): **MCZ**: 43841, 43842, 43843, 43844, 43845, 43846 - Mulanje (15.93S 35.62E): **KM**: 11722 - Nsanje (16 55 S 35 16 E, 14 m): **KM**: 1904 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420-1541 m): **DCDH**: 2902, 2907 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1541 m): **FMNH**: 192112 - Ntchisi, mount (13 22 S 34 01 E, 4500 ft): **KM**: 11731 - Somba (1439S 3532E): **HNHM**: 2869.9 - Tembuka (1428S 3516E): **MCZ**: 43775, 43780 - Thyolo (16.12S 35.08E): **KM**: 11728 - Thyolo (16.12S 35.08E, 900 m): **FMNH**: 48742 - Thyolo, mount (1605S 3509E): **DCDH**: 3073, 3074, 3075 - Zomba (152300S 352000E, 848 m): **AMNH**: 119376, 119377, 119378, 119379, 119380, 119381, 119382, 119383, 119384, 119385, 119386, 119387, 119388, 119389, 119390, 119391, 119392, 119393, 119394, 119395, 119396, 119397, 119398, 119399, 119400 - Zomba Plateau (15 22 S 35 19 E, 5000 ft): **AMNH**: 161932, 161933, 161934, 161935, 161936, 161937, 161938, 161939, 161940, 161941, 161942, 161943, 161944, 161945, 161946, 161947, 161948; **DCDH**: 2864, 2865, 3152; **KM**: 11708, 11709, 11711, 11714, 11717, 11720; **MCZ**: 43835, 43836, 43837, 43838, 43839, 43840 - Zomba town (1523S 3519E): **DCDH**: 2137, 2160, 2161, 2162, 2164, 2165, 2166, 2167, 2170, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2213, 2250, 2251, 2483, 2484, 2545, 2679, 2687, 2688, 2866, 2867, 2868, 2869, 2870, 2871, 2872.

Mali:

Timbuktu (1649N 0259W): **FMNH**: 44717, 44718; **ZMUC**: 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1485.

Mozambique:

Unknown locality: **BMNH**: 1928.1.24.1, 1928.1.24.2, 1973.493_1, 1973.493_2, 1973.493_3; **MNHN**: ZM-MO-1911-2293, ZM-MO-1911-2293 A, ZM-MO-1911-2293 B, ZM-MO-1911-2293 C - Beira (1949S 3452E): **ROM**: 51078, 51079, 51080, 51100 - Boane (26.13S 32.38E): **USNM**: 365399 - Boane, 10 km N (2556S 3219E): **USNM**: 365400, 365401 - Changalane [= Estatuane] (2618S 3212E): **NHMZ**: 64007 - Chimonzo (24 56 54 S 33 17 30 E, 81 m): **USNM**: 352049, 352050, 352051, 352052, 352053, 352054, 352055, 352056, 352057, 352058, 352059, 352060, 352061, 352062, 352063, 352064 - Envirotrade site (18 58 42 S 34 10 33 E): **DNSM**: 9860 - Estatuane (26.37S 32.12E): **NHMZ**: 63177 - Furancungo, 30 mi NNW (1433Cb): **TM**: 14699, 14701 - Furancungo, 30 mi NNW (1453S 3336E): **USNM**: 365321, 365322, 365323, 365324, 365325, 365326, 365327, 365328, 365329, 365330, 365331, 365332, 365333, 365335, 365336, 365337, 365338, 365339, 365340, 365341, 365342, 365343, 365344, 365345, 365346, 365347, 365348 -

Furancungo, 40 km NNW (14.53S 33.45E): **USNM**: 365334 - Gorongosa National Park, village below forest (18 29 02 S 34 02 35 E): **FMNH**: 214723, 214725 - Gorongoza Mountain (18 24 02 S 34 04 18 E): **NHMZ**: 64012, 64013, 64016 - Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8475, 8478, 8530, 8532 - Gurue, 2.9 km N, 8.9 km E (1525S 3704E, 984 m): **FMNH**: 177139 - Inhaca Island (26 01 S 32 58 E): **KM**: 23774 - Inhambane (24 00 S 35 28 E): **ZMB**: 588a (Syntype *Vespertilio nanus*), 588b (Syntype *Vespertilio nanus*), 588c (Syntype *Vespertilio nanus*) - Inhambane (2400S 3528E): **BMNH**: 1907.1.1.421 (Syntype *Vespertilio nanus*), 1907.1.4.421 (Syntype *Vespertilio nanus*), 1907.1.4.422 (Syntype *Vespertilio nanus*); **NMW**: 19644 (Syntype *Vespertilio nanus*); **ZMB**: 501 - Jangamo (240644S 351905E, 18 m): **USNM**: 352096, 352097, 352098, 352099, 352100, 352101, 352102, 352103, 352104 - Jongamo (2406S 3519E): **USNM**: 352095 - Magude-Mapulenguene (24.94134S 32.54862E): **DNSM**: 9331, 9371 - Manhiça (2524S 3248E): **CZL**: 48.01.705, 48.01.712 - Manica and Sofala (1850S 3257E): **USNM**: 365392, 365393, 365394, 365395, 365396 - Maputo Camp (12 10 56 S 37 33 01 E): **DNSM**: 8526 - Massangena (21 33 18 S 32 57 38 E, 115 m): **DNSM**: 8531 - Massinga, 2 km N (2320S 3522E): **USNM**: 352067, 352068, 352069, 352070, 352071, 352072, 352073, 352074, 352075, 352076, 352077, 352078, 352079, 352080, 352081, 352082, 352083, 352084, 352085, 352086, 352087, 352088, 352089, 352090, 352091, 352092, 352093, 352094 - Meponda (13 24 05 S 34 52 14 E, 590 m): **DNSM**: 8529, 8535 - Moamba (25.6S 32.23E): **USNM**: 352065 - Moamba (253546S 321436E, 112 m): **USNM**: 352066 - Murabue (152428S 370430E, 1111 m): **FMNH**: 177140, 177141, 177142, 177143, 177144, 177216, 177217, 177218 - Murabue (152428S 370430E, 1130 m): **FMNH**: 177145, 177146, 177147, 177148, 177149 - Muresi Swamp, E of (1524S 3703E): **FMNH**: 177150, 177151 - Nabaunama River (1537S 3852E): **NHMZ**: 64000 - Niassa Game Reserve (12 37 27 S 37 39 23 E): **DNSM**: 8537, 8541, 8544, 8547, 8548 - Nkuli Camp (12 10 09 S 038 14 34 E): **DNSM**: 8538, 8540, 8543, 8545 - Panda (24 03 48 S 34 43 49 E): **USNM**: 352105 - Panda, 4 km N (2403S 3442E): **USNM**: 352106, 352107, 352108, 352109, 352110, 352111, 352112, 352113, 352114, 352115 - Rio das Pedras (2308S 3525E): **ROM**: 68785, 68786, 68787, 68788, 68789 - Tete district (1433Cb): **TM**: 14700, 14702 - Vila Coutinho, 93 km S (1540S 3420E): **USNM**: 365349 - Vila de Manica [= Manlca], 10 km N (18.83S 32.95E): **USNM**: 365379 - Vila de Manica, 10 km N (1850S 3257E): **USNM**: 365380, 365381, 365382, 365383, 365384, 365385, 365386, 365387, 365388, 365389, 365390, 365391, 365397, 365398 - Vila Gouveia (18.07S 33.18E): **NHMZ**: 64010; **USNM**: 365350, 365351, 365352, 365353, 365354, 365355, 365356, 365357, 365358, 365359, 365360, 365361, 365362, 365363, 365364, 365365, 365366, 365367, 365368, 365369, 365370, 365371, 365372, 365373, 365374, 365375, 365376, 365377, 365378 - Vila Gouveia, S (18.15S 33.0E): **NHMZ**: 63134 - Vila Machado (191609S 341246E): **ROM**: 51073, 51074, 51075 - Vumba (19 02 S 32 58 E, 4300 m): **DNSM**: 34, 35, 36 - Zavora (24.5S 35.0E): **NHMZ**: 64009.

Namibia:

Gobabeb, Namib Desert (23.55S 15.05E): **NHMZ**: 63155 - Mbambi (1728S 1828E): **BMNH**: 1935.9.1.111 - Mudumu NP, Horseshoe Bend (180614S 233333E): **SMW**: 14538 - Okashana (18 23 55 S 16 36 44 E): **NMP**: pb5909 - Okatana (17 47 00 S 15 41 00 E, 1074 m): **RMCA**: 95.093-M-0002 - Orongo Water Camp (17.63S 15.38E): **SMW**: 1126 - Rundu, SE (18.1S 20.38E): **KM**: 1902 - Ukualukasi (1732S 1437E, 3400 ft): **BMNH**: 1925.12.4.20 (Holotype *Pipistrellus fouriei*).

Niger:

Tapoa (12 29 31 N 02 21 36 E, 225 m): **USNM**: 462787, 462788, 462789 - Tapoa, 21 km E (12 30 N 02 33 E): **USNM**: 462790, 462798 - Tapoa, 29 km S (ca. 12 11 N 02 20 E): **UCM**: 15182.

Nigeria:

Unknown locality: **BMNH**: 1905.12.1.2, 1905.12.1.3, 1905.12.1.4, 1908.10.6.9, 1926.6.2.1, 1950.189, 1969.534, 1971.1495, 1987.33 - Agege (06 37 19 N 03 19 33 E, 41 m): **ZMA**: MAM.19025 - Ibadan (07 23 16 N 03 53 47 E, 237 m): **USNM**: 402777; **ZMUC**: 2392, 2393 - Ifon (06 55 27 N 05 46 34 E, 162 m): **FMNH**: 42615, 42616, 42617, 42618, 42619, 42620, 44283, 44284, 44285 - Ilashe, 4 mi S (0730N 0630E): **USNM**: 402773, 402774 - Kabir (0924N 0934E, 2 500 ft): **BMNH**: 1911.3.24.4 (Holotype *Pipistrellus culex*) - Kano (1200N 0831E): **BMNH**: 1921.2.11.8 - Kware (131305N 051602E, 268 m): **USNM**: 580599 - Pategi (0844N 0545E): **AMNH**: 209097 - Sokoto (1302N 0515E): **HZM**: 1.2771, 2.2772, 3.2778 - Tsanchaga (0906N 0609E): **USNM**: 402775, 402776 - Yo (1332N 1315E): **ROM**: 68762, 68763, 68764, 68765, 68766, 68767, 68768, 68769, 68770, 68771, 68772 - Zaria (1101N 0744E): **HZM**: 259.12145; **ROM**: 84069.

Réunion:

Réunion Island (ca. 21 06 S 55 36 E, 0 - 1700 m): **MNHN**: ZM-MO-1985-982.

Rwanda:

Astrida (023550S 294420E, 1733 m): **MHNG**: 1873.084; **RBINS**: 15488.1, 15488.2, 15489.1, 15489.2, 15491.1, 15491.2, 15491.3, 16001, 16003 - Butare (023550S 294420E, 1733 m): **RMCA**: 82.006-M-0201 - Gabiro (01 31 00 S 30 28 00 E, 1400 m): **INPBC**: V3102, V3129.01, V3129.02, V3129.03, V3129.04, V3129.05, V3129.06, V3129.07, V3129.08, V3129.09, V3129.10, V3129.11, V3129.12, V3129.13, V3129.14, V3129.15 - Gafumba (022744S 294945E): **RBINS**: 15996, 15997, 15998, 15999, 16002 - Gafumba Musuga (022744S 294945E): **RMCA**: 87.047-M-0129 - Gihinga (01 24 S 30 37 E, 1400 m): **INPBC**: V3044.1.01, V3044.1.02, V3044.1.03, V3044.1.04, V3044.1.05, V3044.1.06, V3044.1.07, V3044.1.08, V3044.1.09, V3044.1.10, V3044.1.11, V3044.1.12, V3044.1.13, V3044.1.14, V3044.1.15, V3044.1.16, V3044.1.17, V3044.1.18, V3044.1.19, V3044.1.20, V3044.1.21, V3044.1.22, V3044.1.23, V3044.1.24, V3044.1.25, V3044.1.26, V3044.1.27, V3044.1.28, V3044.1.29, V3044.1.30, V3044.1.31, V3044.1.32, V3044.1.33, V3044.1.34, V3044.1.35, V3044.1.36, V3044.1.37, V3044.1.38, V3044.1.39, V3044.1.40, V3044.1.41, V3044.1.42, V3044.1.43, V3044.1.44, V3044.1.45, V3044.1.46, V3044.1.47, V3044.1.48, V3044.1.49, V3044.1.50, V3044.1.51, V3044.1.52, V3044.1.53, V3044.1.54, V3044.1.55, V3044.1.56, V3044.1.57, V3044.1.58 - Gisenyi (01 41 15 S 29 15 17 E, 1450 m): **ZMA**: MAM.21231, MAM.21232 - Gisovu (021517S 292013E, 2335 m): **RMCA**: 80.055-M-0001 - Kibuye (020320S 292059E, 1457 m): **RMCA**: 80.055-M-0002, 80.055-M-0003, 80.055-M-0004, 80.055-M-0005, 80.055-M-0006, 80.055-M-0007 - Kitabi (023130S 292517E): **RMCA**: 82.006-M-0202 - Mabanza (020315S 292500E, 1612 m): **RMCA**: 80.055-M-0008 - Mihindi, lake (01 32 S 30 42 E): **INPBC**: V3090, V3112.01, V3112.02, V3112.03, V3112.04, V3112.05, V3112.06, V3112.07, V3112.08, V3112.09, V3112.10, V3112.11, V3112.12, V3112.13, V3112.14, V3112.15, V3112.16, V3112.17, V3112.18, V3112.19, V3112.20, V3112.21, V3112.22, V3112.23, V3112.24, V3112.25, V3112.26, V3112.27, V3112.28, V3112.29, V3112.30, V3112.31, V3112.32, V3112.33, V3112.34, V3112.35, V3112.36, V3112.37, V3112.38, V3112.39, V3112.40, V3112.41, V3112.42, V3112.43, V3112.44, V3112.45, V3112.46, V3112.47, V3112.48, V3112.49, V3112.50, V3112.51, V3112.52, V3112.53, V3112.54, V3112.55, V3112.56, V3112.57, V3112.58, V3112.59, V3112.60, V3112.61, V3112.62, V3112.63, V3112.64, V3112.65, V3112.66, V3112.67, V3112.68 - Mugogwe (023032S 294837E): **RBINS**: 16000 - Nyamasheke (02 20 23 S 29 05 08 E, 1581 m): **RBINS**: 15486 - Nyamata (020945S 300601E): **RMCA**: 82.006-M-0203, 82.006-M-0204, 82.006-M-0205, 82.006-M-0206, 82.006-M-0207, 82.006-M-0208, 82.006-M-0209, 82.006-M-0210, 82.006-M-0211, 82.006-M-0212, 82.006-M-0213, 82.006-M-0214, 82.006-M-0215, 82.006-M-0216, 82.006-M-0217, 82.006-M-0218, 82.006-M-0219, 82.006-M-0220, 82.006-M-0221, 82.006-M-0222, 82.006-M-0223, 82.006-M-0224, 82.006-M-0225, 82.006-M-0226, 82.006-M-0227, 82.006-M-0228, 82.006-M-0229,

82.006-M-0230, 82.006-M-0231, 82.006-M-0232, 82.006-M-0233, 82.006-M-0234, 82.006-M-0235, 82.006-M-0236, 82.006-M-0237, 82.006-M-0238, 82.006-M-0239, 82.006-M-0240, 82.006-M-0241, 82.006-M-0242, 82.006-M-0243, 82.006-M-0244, 82.006-M-0245, 82.006-M-0246, 82.006-M-0247, 82.006-M-0248, 82.006-M-0249, 82.006-M-0250, 82.006-M-0251, 82.006-M-0252, 82.006-M-0253, 82.006-M-0254, 82.006-M-0255, 82.006-M-0256, 82.006-M-0257, 82.006-M-0258, 82.006-M-0259, 82.006-M-0260, 82.006-M-0261, 82.006-M-0262, 82.006-M-0263, 82.006-M-0264, 82.006-M-0265, 82.006-M-0266, 82.006-M-0267, 82.006-M-0268, 82.006-M-0269, 82.006-M-0270, 82.006-M-0271, 82.006-M-0272, 82.006-M-0273, 82.006-M-0274, 82.006-M-0275, 82.006-M-0276, 82.006-M-0277, 82.006-M-0278, 82.006-M-0279, 82.006-M-0280, 82.006-M-0281, 82.006-M-0282, 82.006-M-0283, 82.006-M-0284, 82.006-M-0285 - Nyambumba (014200S 291700E): **RMCA**: 85.006-M-0095 - Nyundo (014147S 300137E, 1594 m): **RMCA**: 80.055-M-0009 - Rubona (021900S 295600E, 1346 m): **RBINS**: 15487, 15934.1, 15934.2, 15934.3 - Shangi (022413S 290021E): **RMCA**: 85.006-M-0096.

Senegal:

Unknown locality: **SMF**: 92761 - Ba Foula Bé (13 01 00 N 13 11 00 W): **RMCA**: 78.014-M-0002, 78.014-M-0003 - Bacadadgi (13 39 N 16 29 W): **IVB**: S426 - Bafoulabé (1302N 1300W): **MNHN**: ZM-MO-1995-1840, ZM-MO-1995-1841, ZM-MO-1995-1842, ZM-MO-1995-1845 - Bandia (143730N 170143W, 33 m): **MNHN**: ZM-MO-1995-1839, ZM-MO-1995-1843 - Camp des Lions – forest next to the river (13 01 N 13 14 W): **IVB**: S584 - Dindéfélo – next to the stream (12 22 N 12 19 W): **IVB**: S850 - Dindéfélo – next to the stream II (12 22 N 12 19 W): **IVB**: S882 - Gamon (1325N 1300W): **USNM**: 379267 - Goulombo (13 30 00 N 13 43 00 W, 63 m): **RMCA**: 81.003-M-0002 - Gué de Sambaillou (12 39 N 13 19 W): **IVB**: S506 - Gué du Damantan (12 59 N 13 24 W): **IVB**: S1636, S1637, S1638, S1639, S1640, S1641, S1642, S1643 - Hahn – Dakar (14 44 N 17 26W): **IVB**: S1824, S1825, S1826, S1827, S1828, S1829, S1830, S1831, S1832, S1833, S1834, S1835, S1836, S1837, S1838 - Lengué Kountou (13 02 N 13 04 W): **IVB**: S10, S11, S113, S120, S121, S130, S133, S153, S1570, S1571, S1573, S1575, S1585, S34, S36, S446, S447, S479 - Mako – camp (12 50 N 12 20 W): **IVB**: S891 - Missirah Saloum (1340N 1632W): **RBINS**: 19913.1, 19913.2, 19913.3, 19913.4, 19913.5, 19913.6, 19922.1, 19922.2, 19922.3 - Mount Assirik (12 53 N 12 43 W): **IVB**: S1771, S1783, S1784, S1785 - Niériko – bridge (13 21 N 13 21 W): **IVB**: S1479, S1481, S1482, S1483, S1484, S1485, S1487, S1494, S1495, S1497, S1500, S1505, S1506 - Niériko (13 21 N 13 21 W): **IVB**: S1800, S1801, S1802, S1803, S1804, S1810, S1812, S1814, S1815, S1816, S1818 - Niokolo (13 04 N 12 43 W): **IVB**: S1716, S1717, S1720, S1721, S1723, S1729, S1731 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1995-1844 - Simenti (13 01 N 13 17 W): **IVB**: S1210, S1211, S1597, S1599, S1600, S1601, S1603, S1605, S1606, S1607, S1608, S1609, S1644, S237, S591, S594.

Sierra Leone:

Unknown locality: **BMNH**: 1950.1904, 1961.352; **USNM**: 502918, 502919 - Bonthe (0732N 1230W): **NMBE**: 1014526a, 1014526b, 1014526c, 1014526d - Freetown (0830N 1315W): **ROM**: 62746 - Njala (08 07 04 N 12 05 04 W, 67 m): **ROM**: 51042 - Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547021 - Wellington Village: **ROM**: 60659 - Yengema (0749N 1201W): **USNM**: 463368, 463369, 463370, 463371, 463372, 463373, 463374, 463375, 463376, 463377, 463378, 463379, 463380 - Yengewa, 0.5 mi E (0749N 1201W): **USNM**: 463164, 463165.

Somalia:

Mogadischu [=Mogadishiu =Moqdisho] (0204N 4522E): **ZMB**: T10215.

South Africa:

Unknown locality: **BMNH**: 1905.3.8.1, 1907.3.25.1, 1909.3.2.5, 1909.3.2.6, 1917.10.3.4, 1917.10.3.7, 1917.10.3.8, 1917.10.3.9, 1925.7.9.5, 1925.7.9.6, 1973.490_1, 1973.490_2, 1973.490_3, 1975.516 - "Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: **MNHN**: ZM-MO-1985-979, ZM-MO-1985-980, ZM-MO-1985-981 - Amanzimtoti (30 03 00 S 30 52 48 E, 41 m): **DNSM**: 13364 - Amanzimtoti (30 03 00 S 30 52 48 E, 50 m): **DNSM**: 13102, 13130 - Amanzimtoti (30 03 00 S 30 52 48 E, 80 m): **DNSM**: 7230 - Anthrax camp (22 25 30 S 31 12 30 E): **TM**: 36647, 37812, 37866 - Ballito (29 32 S 31 13 E): **DNSM**: 6151 - Balule Private Nature Reserve, Oliphants River (2403S 3145E): **TM**: 47133, 47134 - Barberton, 14 km NW (2547S 3054E): **CM**: 41056 - Barberton, Municipal Camping Site (254700S 310292E, 762m): **TM**: 44307 - Bayete Camp (27 46 48 S 32 18 36 E, 56 m): **DNSM**: 8795 - Bellair (29 53 S 30 57 E, 57 - 81 m): **DNSM**: 7488 - Bellar Adduss: **DNSM**: 13105 - Berea (29 51 S 31 00 E, 55 m): **DNSM**: 6879 - Blythedale Beach, Minivillas (29 22 23 S 31 20 57 E, 75 m): **DNSM**: 8596 - Bobomeni research camp [=Bobomene] (22 25 18 S 31 12 49 E): **KNP**: 179; **TM**: 41999 - Botha's Hill, Rob Roy Hotel (2945S 3045E): **TM**: 43266, 43267, 43268, 43269 - Brighton Beach (73 m): **DNSM**: 13117 - Brighton Beach (81 m): **DNSM**: 13141 - Burman Bush Nature Reserve (29 48 58 S 31 00 57 E, 100 m): **DNSM**: 6916 - Cato Ridge (29 41 49 S 30 38 01 E, 807 m): **DNSM**: 13108 - Chambaire Nursery (254211S 305839E, 675m): **TM**: 44308, 44309 - Cowies Hill (29 49 00 S 30 53 00 E, 346 m): **DNSM**: 8825 - Craigadam (27 30 17 S 31 22 19 E): **TM**: 31665, 31666, 31667, 31668, 31669, 31670, 31671, 31672, 31673, 31674, 31675, 31676, 31677, 31678, 31679, 31680, 31681, 31682, 31683, 31684, 31685, 31717, 31718, 31719, 31720, 31721, 31722, 31723, 31724, 31725, 31726, 31727 - Culling camp (22 25 40 S 31 15 15 E): **TM**: 37841, 37842 - De Hoop Private Nature Reserve (2457S 2957E): **TM**: 25342, 25343, 25344, 25345, 25346, 25347, 25348, 25349, 25350, 25351, 25352 - Durban (29 51 00S 31 01 00 E, 559 m): **DNSM**: 6883 - Durban (29 51 S 31 00 E): **DNSM**: 6910 - Elim hospital (2309S 3003E): **TM**: 39004 - Empisini Nature Reserve (30 12 S 30 48 E, 19 m): **DNSM**: 5373 - Entumeni Nature Reserve (28 53 03 S 31 22 15 E): **DNSM**: 45S1 - Farm Doornpan (27 34 12 S 31 14 05 E): **TM**: 31775, 31776, 31777, 31778, 31779 - Farm Tenbosch 112JU (252235.15S 315521.36E): **USNM**: 575277, 575278, 575279, 575280, 575281, 575282, 575283, 575284 - Farm Welgevonden 449 (23 32 S 28 26 E, 1277 m): **DNSM**: 13576 - Figtree camp (22 25 30 S 31 11 30 E): **TM**: 36117, 36120, 36709, 39463 - Figtree forest (22 26 S 31 11 E): **TM**: 38604, 38605 - Forest Hills (29 45 S 30 49 E, 534 m): **DNSM**: 5126 - Gamafefe (24 37 05 S 27 39 08 E): **TM**: 49146 - Gazankulu, Manyeleti Game Reserve, Main Camp (2438S 3128E): **TM**: 39229, 39230 - Glen Anil (29 45 07 S 31 02 13 E, 105 m): **DNSM**: 7911 - Glenwood (29 50 S 31 00 E, 65 m): **DNSM**: 7422 - Gramstown: **DNSM**: 13114 - Greenwood Park (29 47 S 31 01 E): **DNSM**: 7013 - Greytown (29 06 36 S 30 36 36 E, 1015 m): **DNSM**: 7568 - Hartburg: **DNSM**: 13111 - Hartburg Bambi: **DNSM**: 13125 - Hazelmere Dam Nature Reserve (29 35 63 S 31 01 89 E): **TM**: 44409 - Hluhluwe Game Reserve (28 05 S 32 05 E): **NM**: 1408 - Ingwavuma (2708S 3202E): **TM**: 25917 - Ithala Game Reserve (27 33 36 S 31 12 36 E, 922 m): **DNSM**: 5900, 5901 - Jozini Dam (27 25 00 S 31 58 00 E): **DNSM**: 5367 - Jozini Village (27 26 00 S 32 04 00 E, 156 m): **DNSM**: 6190, 6191, 6192, 6193, 6194 - Kenneth Stainbank Nature Reserve (29 55 S 30 56 E, 133 m): **DNSM**: 3677, 5869, 5870, 5871 - Kingsburgh (30 05 00 S 30 52 00 E, 0 - 51 m): **DNSM**: 7915 - Kloof (29 47 S 30 50 E, 434 m): **DNSM**: 7498, 7499 - Kloof (29 47 S 30 50 E, 497 m): **DNSM**: 6878 - Kloof (29 47 S 30 50 E, 561 m): **DNSM**: 5550 - Kosi Lake, Department of Health Camp (2657S 3249E): **TM**: 40466 - Krantzkloof Nature Reserve (29 46 S 30 50 E, 434 m): **DNSM**: 796 - Kranzkloof Nature Reserve (29 46 S 30 50 E, 434 m): **DNSM**: 1278 - KwaZulu-Natal province: **MCZ**: 7015; **YPM**: MAM 005696 - Lalapanzi Pan (28 03 25 S 32 17 42 E): **DNSM**: 5405 - Legogot (25.12S 31.15E): **BMNH**: 1906.8136 - Letaba (23 51 16 S 31 34 17 E): **AMNH**: 257359, 257360; **KU**: 135864, 135888, 135889, 135890 - Letaba Camp (23 51 16 S 031 34 17 E): **KNP**: 95 -

Letaba Highwater Bridge (23 48 40 S 31 34 56 E): **TM**: 39510 - Letaba Ranch (23 36 44 S 31 05 20 E): **SMF**: 12010 - Letaba Rest Camp, 1 km SE (23 51 43 S 31 34 47 E): **TM**: 39584, 39585 - Letaba-Olifants confluence, 2 km E (23 59 S 31 50 E): **AMNH**: 257364 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 34212, 34219, 34220, 34221, 34222, 34223, 34237, 34238 - Logogotu [=Legogot] (2513S 3115E): **BMNH**: 1906.8.2.36 - Malvern (29 53 S 30 55 E, 179 m): **DNSM**: 7019; **TM**: 1080, 1081, 1082, 1083, 1084, 43263, 43264, 43265; **USNM**: 156342, 156343 - Manguzi village (2700S 3245E): **USNM**: 351378 - Mariepskop (2441S 3054E): **TM**: 12757, 12758, 12759, 12760, 12761, 12762, 12764, 12765, 12766, 12767, 12768, 12769, 12770; **USNM**: 384746, 384747, 384748, 384749, 384750, 384751, 384752, 384753, 384754, 384755, 384756, 384758, 384759, 384760, 384761, 384762, 384763, 384764, 384765, 384766, 384767, 384768, 384769 - Mid-Illovo (29 58 S 30 30 E): **TM**: 25466 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **DNSM**: 5371 - Mkuzi River (27 52 00 S 32 29 00 E): **TM**: 35279, 35280, 35281, 35282, 35283, 35284, 35285, 35286, 35287, 35288, 35289, 35290, 35291, 35292, 35293, 35294 - Msikaba river mouth (3129Da): **TM**: 10023 - Mtubatua, 18 mi [= 29 km] N (2818S 3211E): **ROM**: 45715, 45716, 45717, 45718, 78327 - Mtunzini (28 57 S 31 46 E): **DNSM**: 104, 117, 118, 92, 93, 94, 95 - Mziki Pan (27 42 05 S 32 24 50 E, 28 m): **DNSM**: 8783, 8784 - Nelspruit, 4 mi E, 2 mi S (2529S 3059E): **USNM**: 381649, 381650 - Nelspruit, near (2528S 3059E): **TM**: 14040 - New Figtree Forest (22 25 S 31 18 E): **TM**: 37856, 37857, 37907 - New Germany (29 46 57 S 30 52 20 E, 697 m): **DNSM**: 13103, 1619, 8418 - Ngome Forest Reserve (27 52 00 S 31 24 45 E): **TM**: 39136, 39137, 39138, 39199, 39817, 39818, 39819, 39820, 39825, 39826, 39827, 39828 - Ngqeleni (31.83S 29.3E): **KM**: 26146 - Ngqeleni district (3140S 2902E): **TM**: 1079 - Nibela peninsula (27 56 S 32 26 E): **DNSM**: 10156, 10166 - Nongoma (2731Dc): **TM**: 10000, 10001 - Nwanedzi River, old bridge over (24 24 S 31 50 E): **TM**: 39621 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 37816, 37817, 37818, 37820, 37822, 37919, 43862, 43863 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 29854, 47143, 48505, 48508, 48509, 48533, 48534, 48571, 48572, 48573, 48597 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **AMNH**: 257361, 257362; **CM**: 93266; **TM**: 30522, 37849, 38523, 38607, 38608, 38609, 38610, 38611, 38612, 39465, 39466, 39467 - Pennington (railroad siding) (30 23 S 30 42 E): **CM**: 41016, 41017, 41018, 41020, 41021 - Phinda Game Reserve (27 51 49 S 32 16 29 E, 55 m): **DNSM**: 13162, 13163 - Phinda Game Reserve, Forest Lodge (27 46 39 S 32 20 58 E, 65 m): **DNSM**: 8785 - Picnic site (22 25 S 31 15 E): **TM**: 41731 - Pietermaritzburg (29 37 00 S 30 23 00 E, 721 m): **HZM**: 1.1119 - Pietermaritzburg (29 37 00 S 30 23 00 E, 760 m): **DNSM**: 13124 - Pinetown (29 49 S 30 52 E, 367 m): **DNSM**: 13109 - Port Durnford (28 54 00 S 31 49 00 E, 41 m): **KU**: 135024 - Port St Johns (31.63S 29.55E): **KM**: 1905; **SAMC**: 5599 - Port St. Johns (3138S 2933E): **TM**: 1074, 1075, 1076 (Holotype *Pipistrellus nanus australis*), 1077, 1078, 12361, 12362, 12363, 12364, 12365, 12366, 12367, 12368, 12369, 12370, 4636 - Pretoriuskop (25 10 13 S 31 16 03 E, 613 m): **KNP**: 40A - Queen Elizabeth Park (29 33 S 30 19 E, 936 m): **DNSM**: 2894 - Queensburgh (29 51 00 S 30 54 00E, 137 - 230 m): **DNSM**: 6876 - Queensburgh (29 51 00 S 30 54 00E, 162 m): **DNSM**: 6875 - Reddersburgh Farm (29 39 11 S 26 10 04 E, 1402 m): **DNSM**: 13110 - Renishaw (30 16 S 30 45 E): **DNSM**: 5365, 5402, 7012, 7014 - Reservoir Hills (29 48 25 S 30 56 32 E, 155 m): **DNSM**: 7001 - Roodevaal Private Camp, 2 km SE (2408S 3136E): **TM**: 39685 - Satara Rest Camp (24 23 52 S 31 46 42 E): **TM**: 30443, 39642, 39643 - Scottburgh (30 17 S 30 45 E, 10 - 59 m): **DNSM**: 5404 - Shingwedzi camp (23 06 32 S 31 26 10 E): **TM**: 38317, 38318, 38319, 38320, 38321, 38322 - Shongweni Polo Club (29 46 49 S 30 45 00 E, 601 m): **DNSM**: 955 - Shore Nature Reserve (2732Bc): **TM**: 33370 - Sibaya (2721S 3243E): **TM**: 25979, 25988 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **AMNH**: 257363; **TM**: 13472 - Skukuza Staff Village (24 59 41 S 31 35 25 E): **KNP**: 37, 38, 39 - Skukuza staff village (24 59 S 31 35 E, 240 m): **TM**: 42126, 42127, 42128, 42129 - St. Lucia (28 23 S 32 25 E, 20 m): **ROM**: 83952 - St. Lucia Estuary (28 23 S 32 25 E): **TM**: 40160 - Tembe Elephant Park, east of HQ, pan (2703.699S 3227.102E, 65 m): **DNSM**: 8498, 8499 - TSD Sugar Estate No.3 Section (25 23 43 S 31 57 04 E): **TM**: 17227, 17228, 17229, 17230, 17231, 17232, 17233, 17234, 17235, 17236, 17237, 17238, 17239, 17240, 17241, 17242, 17243, 17244, 17245, 17246, 17247, 17248, 17249, 17250 - Twin Streams (28 58 S 31 42 E): **DNSM**: 103 - Umbilo (29 53 21 S 30 59 04 E, 48 m): **DNSM**: 7542 - Umbumbulu (2959S 3043E): **TM**: 25465 - Umdloti (29 40 21 S 31 06 56 E, 33 m): **DNSM**: 8000 - Umdoni Park (30 24 S 30 41 E, 50 m): **KU**: 135863; **TM**: 30124, 30134, 30135, 30137, 30141 - Umdoni, near (30 22 37 S 30 40 21 E): **KU**: 139564 - Umhalanga (29 43 00 S 31 05 00 E, 11 m): **DNSM**: 13116 - Umhlanga Reserve (29 43 00 S 31 05 00 E, 11 m): **DNSM**: 13104, 13126 - Umhlanga Rocks (29 43 S 31 05 E, 11 m): **TM**: 40019 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 10162 - Umkomaas (30 12 S 30 48 E, 36 m): **BMNH**: 1917.10.3.10, 1917.10.3.5, 1917.10.3.6; **DNSM**: 13365, 37 - Umlalazi Nature Reserve (28 57 49 S 31 46 08 E, 10 m): **DNSM**: 6378 - Umzigaba River mouth (3129DA): **TM**: 9993 - Vernon Crookes Nature Reserve (3016S 3036E): **DNSM**: 6908 - Vryheid Hill Nature Reserve (27 45 18 S 30 47 15 E, 1264 m): **DNSM**: 13011, 13012, 13013, 13014 - Vuma farm (28 53 S 31 23 E): **DNSM**: 4551, 4552, 4553, 4554, 4555 - Waterfall (29 45 S 30 50 E, 564 m): **DNSM**: 7023 - Westbrook (29 36 00 S 31 11 00 E, 0 m): **DNSM**: 6873 - Westville (29 50 S 30 56 E, 205 m): **DNSM**: 6117 - Westville (29 50 S 30 56 E, 238 m): **DNSM**: 13143 - White River, 17 km W (25.3S 31.05E): **USNM**: 381651 - Yellow Wood Park (29 54 57 S 30 56 18 E, 118 m): **DNSM**: 5931 - Yellowwood Park (29 54 S 30 55 E, 118 m): **DNSM**: 6380 - Zululand (26.88S 32.33E): **KM**: 18933.

South Sudan:

Amadi (0530N 3020E): **ZMUC**: 2754, 2755, 2756 - Gilo (04 02 18 N 32 50 43 E, 1736 - 1863 m): **FMNH**: 77687, 77688, 77689, 77690 - Gilo (04 02 18 N 32 50 43 E, 1736 m): **FMNH**: 77630, 77631, 79639, 79640, 79641, 79642, 79643, 79644 - Gilo area (ca. 040218N 325043E): **FMNH**: 108164 - Issore (0354N 3248E, 1219 m): **FMNH**: 78233, 78234, 79559, 79564 - Issore (0354N 3248E, 1540 m): **FMNH**: 77636, 77637, 78235, 78236, 78237, 78238, 78239 - Katire (0405N 3246E): **FMNH**: 79638, 79645, 79646, 79647 - Torit (0427N 3231E, 610 m): **FMNH**: 68112, 68113 - Torit district (ca. 042448N 323404E): **USNM**: 368919.

Sudan:

Kadugli (11 00 N 29 43 E): **SMF**: 33280 - Rheika (10 41 N 30 00 E): **SMF**: 33278, 33279.

Swaziland:

Unknown locality: **BMNH**: 1989.42 - Balagane (260600S 313400E, 323 m): **ROM**: 68793, 68794, 68795, 68796, 68797 - Hlane Nature Reserve (26 16 S 31 53 E, 280 m): **DNSM**: 8425 - Luyengo (2635S 3112E): **TM**: 44896 - Maguga (26 04 56 S 31 15 07 E): **NMB**: 11560, 11561, 11562, 11563, 11564, 11565, 11569 - Mhlumeni (26 15 S 32 06 E, 508 m): **ROM**: 68790, 68800, 68801 - Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **DNSM**: 8041 - Mlawula weir (26 11 28 S 32 00 18 E): **DNSM**: 8510 - Ngonini estates (25 48 00 S 31 24 32 E, 421 m): **DNSM**: 13465 - Simunye, 10 km N (26 07 45 S 31 57 51 E): **DNSM**: 5879, 5880 - Simunye, 15 km N (26 06 17 S 31 52 18 E, 239 m): **DNSM**: 5848, 5849 - Tshaneni (2559S 3143E, 321 m): **ROM**: 68802, 68803, 68804 - UNISWA, Kwaluseni Campus (26 28 46 S 31 18 25 E, 677 m): **DNSM**: 5977.

Tanzania:

Unknown locality: **BMNH**: 1924.1.1.40, 1956.394, 1960.87, 1964.1796, 1964.1797, 1964.1798, 1964.1799, 1964.1800, 1964.1801, 1964.1802, 1964.1803, 1969.24, 1973.1718, 1986.179 - Amana reef (08 42 17 S 39 27 10 E): **MCZ**: 22499,

22500 - Amani (05 06 00 S 38 38 00 E, 751-1000 m): **TM**: 14011; **ZMB**: 20575, 20576, 20577 - Ambangulu Estate (05 05 S 38 26 E, 1300 m): **FMNH**: 151431, 151432, 151433, 151434 - Arusha (03 22 00 S 36 41 00 E, 1254 m): **HNHM**: 2687.55, 2687.56, 2687.57, 2687.58, 2687.59, 2687.60, 2687.61, 2687.62, 2720.9 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **ZMB**: 5591 - Bagilo (0710S 3740E): **MCZ**: 22375, 22376, 22377, 22378, 22379, 22380, 22381, 22382, 22383, 22384, 22385, 22386, 22387, 22388, 22389, 22390, 22391, 22392, 22393, 22394, 22395, 22396, 22397, 22398, 22399, 22400, 22401, 22402, 22403, 22404, 22405, 22406, 22407, 22408, 22409, 22410, 22411, 22412, 22413, 22414, 22415, 22416, 22417, 22418, 22419, 22420, 22421, 22422 - Bombo, 7 km S (0420S 3800E, 1100 m): **FMNH**: 151201 - Bukoba (01 19 54 S 31 46 44 E, 1250 m): **MHNG**: 740.003a, 740.003c, 740.003d, 740.003e, 740.003f, 740.003g - Bulwa Tea Estate (050000S 383800E, 1000 m): **FMNH**: 150078, 150079 - Bumbwini (0558S 3912E, 0 m): **MCZ**: 33129, 33130, 33131, 33132 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22318, MAM.22319, MAM.22320, MAM.22321 - Chita, 3 km N (0831S 3556E): **FMNH**: 153856, 153857, 153858 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 900 m): **FMNH**: 151436 - Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187144 - Genda Genda South Forest Reserve (05 34 S 38 38 E): **SMF**: 79574 - Gonja Forest Reserve (04 16 S 38 02 E, 550 m): **FMNH**: 151202, 151450 - Kafukola (08 05 00S 31 57 00 E, 1126 m): **HZM**: 3.1888 - Kanza village, near (0419S 3800E, 1100 m): **FMNH**: 151437, 151438, 151439, 151440, 151441, 151442, 151443, 151444, 151445, 151446 - Kasanga (0828S 3109E): **MCZ**: 26697, 26698, 26701, 26702, 26703, 26704, 26705 - Kazimzumbwi forest reserve (06 58 S 39 03 E): **FMNH**: 182546; **SMF**: 79575 - Kibonato (03 11 S 37 06 E): **MNHN**: ZM-MO-1913-23 - Kibosho: **HNHM**: 2648.3, 2648.4, 2648.5 - Kilimatinde Hospital (05 49 58 S 34 57 43 E): **ZMA**: MAM.22034 - Kilosa (06 50 S 36 59 E, 572 m): **MCZ**: 22809 - Kilwa T.T. (ca. 0918S 3825E): **AMNH**: 179292, 179293 - Kindoroko Forest Reserve (0346S 3739E, 1688 m): **FMNH**: 192683 - Kiserui (0502S 3833E): **MCZ**: 22520, 22521 - Kisikka: **MHNG**: 740.004a, 740.004b, 740.004c, 740.004d, 740.004e, 740.004f, 740.004g, 740.004h - Kitungulu, southwestern (ca. 08 29 S 31 17 E): **MCZ**: 26696 - Kizerui (0502S 3833E): **MCZ**: 22519 - Kondoa, 100 mi E (0515S 3706E): **AMNH**: 161309, 161310, 161311, 161312, 161313, 161314, 161315, 161316, 161317, 161318, 161319, 161320, 161321 - Korogwe, 12.5 km NW (1300 m): **FMNH**: 147228, 147230 - Kua ruins (080016S 394600E): **FMNH**: 187390 - Lake Jipe: **HNHM**: 2687.30 - Lembeni (0347S 3737E): **ZFMK**: 1959.0159, 1959.0160, 1959.0359 - Lindi region: **SMF**: 79577, 79578, 79579, 82543 - Liwale (09 46 S 37 56 E, 468 m): **HZM**: 165.5321 - Lugulu Village, near (0420S 3800E, 1100 m): **FMNH**: 151447, 151448, 151449 - Madehani (0921S 3402E): **MCZ**: 26431, 26432, 26434, 26435, 26436, 26437, 26438, 26439, 26440 - Magrotto Estate (05 07 S 38 45 E): **MCZ**: 38995, 38996, 38997, 38998, 38999, 39049, 39050, 39051, 39052, 39053 - Magrotto mountains (ca. 05 07 S 38 45 E): **MCZ**: 33193, 33194, 33195, 33196, 33197, 33198, 33199, 33200, 33201, 33202; **ZMB**: 9133, 9134, 9135, 9136, 9137 - Makangazi: **MCZ**: 49184, 49185, 49186, 49187 - Makarazi: **MCZ**: 49183 - Manyara, Lake (03 35 S 35 50 E): **SMF**: 70465 - Marienhof (0506S 3829E): **MHNG**: 921.017 - Mazumba Estate (04 48 S 38 29 E, 1412 m): **ZMUC**: 4089, 4090, 4091 - Mbeya region: **SMF**: 62871, 70468, 70469, 70470, 70471, 70472 - Mikumi National Park, H.Q. (07 22 S 37 00 E): **SMF**: 66953, 70466 - Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **FMNH**: 192952, 192953, 192954, 192955, 193070, 193071, 193072 - Mkvani (ca. 0504S 3947E): **MCZ**: 33151, 33152, 33153, 33154, 33155 - Mnara (10 07 S 39 24 E): **RMCA**: 96.037-M-7175, 96.037-M-7176, 96.037-M-7177, 96.037-M-7178, 96.037-M-7179, 96.037-M-7180, 96.037-M-7181, 96.037-M-7182, 96.037-M-7183, 96.037-M-7184, 96.037-M-7185, 96.037-M-7186, 96.037-M-7187, 96.037-M-7188, 96.037-M-7189, 96.037-M-7190, 96.037-M-7191, 96.037-M-7192, 96.037-M-7193, 96.037-M-7194, 96.037-M-7195, 96.037-M-7196, 96.037-M-7197, 96.037-M-7198, 96.037-M-7199, 96.037-M-7200, 96.037-M-7201, 96.037-M-7202, 96.037-M-7203, 96.037-M-7204, 96.037-M-7205, 96.037-M-7206, 96.037-M-7207, 96.037-M-7208, 96.037-M-7209, 96.037-M-7210, 96.037-M-7211, 96.037-M-7212, 96.037-M-7213, 96.037-M-7214, 96.037-M-7216, 96.037-M-7217, 96.037-M-7218, 96.037-M-7219, 96.037-M-7220, 96.037-M-7221, 96.037-M-7222, 96.037-M-7223, 96.037-M-7224, 96.037-M-7225, 96.037-M-7226, 96.037-M-7227 - Mojoni [=Muyuni] (0620S 3925E): **ZMB**: 11406, 11407 - Morogoro: **ZMB**: T10408 - Morogoro (06 48 S 37 40 E, 560 m): **MCZ**: 22810, 22811; **USNM**: 219331, 219332 - Morogoro region: **SMF**: 70467, 74249, 82540, 82541, 82542, 91252 - Moshi (03 21 S 37 20 E, 887 m): **ZMB**: 11408 - Moshi Voi (03 21 S 37 20 E, 887 m): **HNHM**: 2720.8 - Mwanza (02 31 00 S 32 54 00 E, 1209 m): **ZMA**: MAM.22038 - Mwofwomero Forest (0650S 3634E, 1900 m): **FMNH**: 198207 - Nachingwea (10 23 S 38 46 E, 380 m): **ROM**: 35318 - Ngezi Forest (0456S 3942E, 32 m): **FMNH**: 192902 - Nyegezi (02 31 27 S 32 53 25 E): **ZMA**: MAM.22322 - Philipstrof: **MCZ**: 22522 - Rondo Flat [Forest Reserve] (10 09 00 S 39 15 00 E, 473 m): **HZM**: 33.2592 - Rondo Forest Reserve (10 09 00 S 39 15 00 E, 473 m): **HZM**: 146.5161, 147.5162 - Rungwe District (09 15 00 S 33 40 00 E, 5000 ft): **AMNH**: 81381, 81382, 81383, 81384, 81385, 81388, 81389, 81390, 81391, 81392, 81393, 81394, 81395, 81396, 81397, 81398, 81399, 81400, 81401, 81402, 81403, 81404, 81405, 81406, 81407, 81408, 81409, 81410, 81411, 81412, 81413, 81414, 81415, 81416, 81417, 81418, 81419, 81420, 81421, 81422, 81425, 81426, 81427, 81428 - Soga (0652S 3857E): **ZFMK**: 1961.0108, 1961.0109, 1961.0110, 1961.0111, 1961.0112, 1961.0113, 1961.0114, 1961.0115, 1961.0116 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ROM**: 78326 - Tanga region: **SMF**: 79576, 83512, 83618, 86386, 91250, 92490, 92491, 92492 - Tatanda (08 31 S 31 30 E, 1907 m): **SMF**: 62868, 62869, 62870 - Tengeru (03 23 00 S 36 50 00 E, 1250 m): **FMNH**: 86590 - Tong'amba forest reserve (0832S 3900E): **SMF**: 79580 - Ukerewe island (0200S 3300E): **MCZ**: 26669, 26670, 26671, 26672, 26673, 26674 - Uluguru mountains (07 10 S 37 40 E): **MCZ**: 20616, 20617, 20618, 20619, 20620, 20621, 20622, 20623, 20624, 20625 - Utende (0758S 3944E): **FMNH**: 187391 - Zanzibar (06 10 S 39 20 E): **MNHN**: ZM-MO-1890-212, ZM-MO-1890-213.

The Gambia:

Abuko Nature Reserve (13 23 29 N 16 39 09 W): **SMF**: 91077, 91078, 91079, 91080, 91081, 91082, 91088 - Kontaur (134000N 145300W, 0 m): **BMNH**: 1949.484 - Walikunda (1315N 1639W): **HZM**: 255.8986.

Togo:

Adjido (07 30 00 N 01 11 00 E, 186 m): **RMCA**: 73.054-M-0122 - Badou - Anonoe (07 35 00 N 00 36 00 E): **RMCA**: 73.009-M-0424 - Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0242 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **RMCA**: 73.054-M-2180; **USNM**: 437761, 437762, 437763, 437764, 437765, 437766, 437767, 437771, 437772, 437773, 437774, 437775, 479473 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **ZMB**: 7554, 7555 - Niamtougou (09 46 06 N 01 06 19 E, 378 m): **RMCA**: 73.011-M-0948 - Nuatja (06 57 00 N 01 10 00 E, 146 m): **RMCA**: 73.009-M-0512 - Péwa (09 17 00 N 01 14 00 E, 618 m): **USNM**: 437760, 437770 - Tététou (07 01 00 N 01 30 00 E, 105 m): **RMCA**: 73.011-M-0372, 73.011-M-0373, 73.011-M-0949, 73.011-M-0950, 73.011-M-0951, 73.011-M-0952, 73.011-M-0953.

Uganda:

Unknown locality: **BMNH**: 1911.12.3.10, 1911.12.3.11, 1911.12.3.12, 1911.12.3.13, 1911.12.3.14, 1911.12.3.9, 1964.169, 1964.170, 1964.171, 1971.937; **SMF**: 41815 - Arua (030109N 305551E): **ROM**: 39884 - Budongo Forest (014416N 313322E, 4000ft): **AMNH**: 219742, 219743, 219744, 219745, 219746, 219747, 219748 - Budongo Forest (0146N 3133E): **ROM**: 46441, 46442, 46447, 46448, 46449 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 152769, 152770 - Budongo Forest (0146N 3133E, 1219 m): **ROM**: 49121 - Budongo Forest (0146N 3133E, 1372 m): **ROM**:

46481, 46493, 46494, 46495, 46496, 46497, 46498, 46564, 46566 - Bunyoro (0145N 3135E, 1372 m): **ROM**: 46518 - Bwindi-Impenetrable National Park (0102S 2943E, 1500 m): **FMNH**: 160365, 160366, 160367, 160368, 160369, 160370, 160377 - Byumba (0056S 2942E, 1540 m): **FMNH**: 160371, 160372, 160373, 160374, 160375 - E.A.T.R.O. Field Station (0012N 3354E): **CAS**: 24623, 24624, 24625, 24626, 24627, 24636, 24637 - Enkombe Sawmill (0017S 3007E, 1480 m): **FMNH**: 182127 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **SMF**: 16900, 16901; **ZMB**: T09309, T10377 - Kampala (00 18 56 N 32 33 56 E, 1202 m): **ROM**: 78236 - Katalemwa (002427N 323506E): **ROM**: 40079, 40094 - Kibale Forest (0029N 3023E): **MCZ**: 39200, 40808, 40809, 40810, 40811 - Kisoro (0117S 2942E): **SMF**: 49489 - Lake Bunyoni (0117S 295505E, 1981 m): **FMNH**: 26508, 26509, 30672, 30673, 30674, 30675, 30676, 30677, 30678, 30679, 30680, 30681 - Lugala (001119N 335316E, 1137 m): **ROM**: 60156, 60157, 60158, 63279, 63280, 63281, 63282, 63283, 63284, 63285, 63286, 63287, 63288, 63289, 63290, 63291, 63292, 63293, 63294, 63295, 63296, 63299, 63300, 63301, 63328, 63329, 63330, 63331, 63332, 63333, 63334, 63335, 63336, 63337, 63338, 63339, 63340-b, 63411, 63412, 63413, 63414, 63415 - Mabira Forest (0030N 3255E): **MCZ**: 26441 - Maramagambo Forest Reserve South (0030S 2955E, 1092 m): **FMNH**: 154077 - Mulanda (004053N 340027E, 1085 m): **CAS**: 24622 - Ngoto Swamp (0053S 2944E, 1500 m): **FMNH**: 160376 - Ruwenzori East (00 22 00 N 30 00 00 E, 1524 m): **RMCA**: 937, 938, 939; **USNM**: 172925 - Sukuli Hills (0040N 3410E): **CAS**: 24629, 24630, 24631, 24632, 24633, 24634; **ROM**: 63304, 63305, 63306, 63307, 63308, 63309 - Tende (0028S 3229E): **FMNH**: 149699, 149700, 149701, 149702, 149703 - Tororo (004105N 341052E, 1185 m): **CAS**: 24628.

Zambia:

Unknown locality: **BMNH**: 1909.12.4.10, 1909.12.4.11, 1909.12.4.7, 1909.12.4.8, 1909.12.4.9, 1920.11.3.29, 1920.11.3.31, 1951.639, 1951.640, 1952.1535, 1952.1536, 1955.1102, 1955.1103, 1955.1104, 1955.1105, 1968.1013, 1968.129, 1968.130, 1968.131, 1968.132, 1968.133, 1968.1399, 1974.593 - Abercorn (08 50 S 31 23 E, 1656 m): **HZM**: 44.2632 - Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115887, 115888 - Blue Lagoon ranch (1527S 2720E): **CAS**: 15109 - Chikore: **MCZ**: 25088, 25089, 25090, 25091, 25092, 25093, 25094 - Ching, Chavuma (13.02S 22.73E): **NHMZ**: 10220 - Chipanga, Chipata (13.12S 32.87E): **FMNH**: 96268, 96269 - Choma (16 49 S 26 59 E, 1320 m): **NHMZ**: 16527 - Choma district (1639S 2701E): **AMNH**: 218968; **NHMZ**: 11810, 11811 - Fort Jameson (1338S 3239E): **NHMZ**: 11537 - Fort Jameson [= Chipata] (13.62S 32.65E): **NHMZ**: 63170 - Hillwood Farm (11.13S 24.3E): **NHMZ**: 29816 - Jimbe Stream (10.95S 24.08E): **NHMZ**: 29884 - Kabompo [=Kabompo Boma] (1336S 2412E, 1027 m): **NHMZ**: 10000, 10006, 10011, 10012, 10020, 10058, 10105, 10106 - Kabompo Boma (133600S 241200E, 1027 m): **HZM**: 107.3212; **NHMZ**: 8277 - Kafue R. (14.08S 27.38E): **NHMZ**: 22678 - Kanyale Stream (1058S 2407E): **NMZL**: 3693 - Kawambwa (09 48 29 S 29 18 45 E): **NHMZ**: 64020 - Kunyale Stream: **HZM**: 258.11469 - Livingstone (17 51 00 S 25 52 00 E, 3030 ft): **NMP**: RS992 - Luachi River (1450S 2222E): **FMNH**: 95218 - Lufupa camp [site 1] (14 36 51 S 26 11 18 E): **NMZL**: ECJS-09/2008 - Lufupa camp [site 2] (14 36 56 S 26 11 27 E): **NMZL**: ECJS-15/2008 - Lufupa camp, around thatched buildings [site 6] (14.617350S 26.191700E): **NMZL**: ECJS-54/2008, ECJS-60/2008 - Lusiwashi valley (1302S 3043E): **YPM**: MAM 003680 - Makeni Farm (1528Ac): **NHMZ**: 11698 - Mbesuma (1001S 3111E): **HZM**: 45.2536, 49.2652 - Mpemba village (10 24 S 33 20 E, 1440 m): **AMNH**: 218898, 218899 - Muckle Neuk (16.63S 27.0E): **NMZL**: 2730 - Munali (15.38S 28.35E): **AMS**: M.9952 - Munali (1554S 2806E): **HNHM**: 76.160.1 - Mwombezi village (12 13 S 25 34 E, 1200 m): **MSB**: 34629; **ROM**: 73965 - Ndanda Dambo (14.75S 23.75E): **NHMZ**: 33273 - North Luangwa National Park (12 06 40 S 32 06 20 E): **NMP**: RS1235 - Nsombo (10 49 S 29 57 E, 1175 m): **SMF**: 12143, 12144 - Sakeji School (11.12S 24.37E): **NHMZ**: 30293 - Sakeji Stream (11.08S 24.33E): **NHMZ**: 11457 - Samfya (11 21 S 29 33 E, 1154 m): **NHMZ**: 12273 - South Luangwa Valley, Mfuwe (13.08S 31.78E): **NMZL**: 3378.

Zimbabwe:

Unknown locality: **BMNH**: 1949.439; **SMF**: 88303, 88304 - Birchenough Bridge Hotel (195800S 322000E, 493 m): **ROM**: 64866 - Bubye R (22.35S 31.1E): **NHMZ**: 84192 - Chesengu Valley (19.75S 32.25E): **NHMZ**: 58723 - Chingamwe Estates (18 29 S 32 44 E): **DNSM**: 5366 - Chiredzi Research Station (21.02S 31.57E): **NHMZ**: 57670 - Chirinda (20.25S 32.5E): **NHMZ**: 63149 - Chirinda Forest (1914S 3214E): **NHMZ**: 58744, 58745, 58747; **USNM**: 425308, 425309, 425310, 425311, 425312 - Chirinda Forest (20.0S 32.5E): **NHMZ**: 58749 - Chirinda Forest (20.42S 32.72E): **USNM**: 425291, 425292, 425293, 425294, 425295, 425296, 425297, 425298, 425299, 425300, 425301, 425302, 425303, 425304, 425305, 425306, 425307, 425313, 425314, 425315, 425316, 425317, 425318, 425319, 425320, 425321, 425322, 425323, 479437, 479439, 479440, 479441, 479442, 479443, 479444, 479445, 479446, 479447, 479448, 479449, 479450, 479451, 479452, 479453, 479454, 479455, 479456, 479457, 479458, 479459, 479460, 479461, 479462, 479463, 479464, 479465 - Chirinda Forest (2024S 3242E): **TM**: 34607, 34608, 34609, 34629 - Chirinda Pools (2131Bd): **NHMZ**: 58735 - Chizarira NP, Mchesu R (17.75S 27.5E): **NHMZ**: 64797 - Chizarira NP, Mucheni Gorge (17.5S 27.75E): **NHMZ**: 64800 - Dorowa Mine (19.07S 31.77E): **NHMZ**: 80372 - Frogmore (1706S 3059E): **NHMZ**: 58717, 58718, 58719 - Gonarezhou NP, Chipinda Pools (21.27S 31.9E): **NHMZ**: 58756 - Haroni-Lusitu Beacon 74: **HZM**: 83.4387 - Haroni-Lusitu confluence: **NHMZ**: 58726 - Hostes Nicoll Research Institute (1810S 2813E): **ROM**: 84012, 84013, 84016 - Humane Ranch (2031S 3216E): **ROM**: 65108, 65109 - Katombora Rapids (17.88S 25.33E): **NHMZ**: 58761 - Kudzwé [dam] (164700S 323100E): **MNHN**: ZM-MO-1990-154, ZM-MO-1990-155, ZM-MO-1990-156, ZM-MO-1990-157, ZM-MO-1990-158, ZM-MO-1990-159, ZM-MO-1990-160, ZM-MO-1990-161, ZM-MO-1990-162, ZM-MO-1990-163, ZM-MO-1990-164 - Kutanga Hippo V. Estates (2131Ba): **NHMZ**: 58729, 58730, 58733, 58755 - Leopard Rock Hotel (1908S 3247E): **USNM**: 425289, 425290 - Limpopo R (22.32S 30.67E): **NHMZ**: 58750 - Lone Star Ranch (21.12S 31.87E): **NHMZ**: 58714 - Mabalanta Camp (2140S 3145E): **NHMZ**: 55653, 58731 - Makurupini (19.75S 33.0E): **NHMZ**: 58763 - Martin Forest Reserve (1942S 3256E): **USNM**: 425325, 425326 - Martin Forest Reserve (20.25S 32.75E): **USNM**: 425324 - Matobo Hills, Mtshavezi Valley (20.62S 28.87E): **NHMZ**: 30687 - Melsetter district (1932Dd): **TM**: 7711, 7712 - Ngorima Reserve (19.75S 32.33E): **USNM**: 479474, 479475, 479476, 479477, 479478, 479479, 479480, 479481, 479482, 479483, 479484 - Penhalonga (18.87S 32.62E): **NHMZ**: 58721 - Pesu River Gorge (22.28S 31.2E): **NHMZ**: 84138 - Pungwe-Ruva confluence (1825S 3247E): **NHMZ**: 58739, 58740, 58741, 58742 - Pungwe-Rwera R Confluence (18.25S 33.0E): **NHMZ**: 58738 - Retreat Farm (2014S 3102E): **ROM**: 64999, 65000 - Rungwe R (18.25S 33.0E): **NHMZ**: 63166 - Rusito forest, Rustio River (ca. 195218S 330137E): **TM**: 34769, 34782, 34783, 34788 - Rusitu Forest (20.03S 32.98E): **NHMZ**: 30536 - Selinda (2032Dd): **TM**: 7714 - Selinda, mount (1848S 3250E): **CM**: 6277; **MCZ**: 25095, 25096, 25097, 25098, 25099, 25100, 25101, 34034, 34035, 37311 - Selinda, mount (2024S 3243E): **CM**: 6279, 6281, 6287, 6288, 6289, 6290, 6293, 6299 - Selukwe (19 40 00 S 30 00 00 E, 1501 m): **MNHN**: ZM-MO-1985-1062 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 58762; **TM**: 34973 - Sentinal Ranch (2210S 2930E): **NHMZ**: 29585, 29588, 29600, 29601, 29602, 29607, 29608, 29609; **TM**: 41618, 41619, 41620, 41622 - Sentinel Ranc!1, Tongani R. (22.12S 29.62E): **NHMZ**: 30829 - Sentinel Ranch (22 10 10 S 29 30 20 E): **DNSM**: 73; **NHMZ**: 30806; **TM**: 41621 - Sentinel Ranch, Limpopo River (22 15 S 31 20 E): **DNSM**: 77, 78, 79, 80 - Shambayetu Farm (21.75S 29.5E): **NHMZ**: 57625 - Silinda, mount (2024S 3242E): **TM**: 41044, 7710, 7713, 8589 - Toronto (18 54 S 32 30 E): **NHMZ**: 19888 - Triangle

(2105S 3128E): **NHMZ**: 58734 - Tuli Camp (21.9S 29.22E): **NHMZ**: 56270 - Vumba (19 07 S 32 44 E): **MCZ**: 37310, 47497; **TM**: 8583, 8585, 8586, 8587 - Wilderness Area (16.25S 31.0E): **NHMZ**: 82575.

Neoromicia rendalli (Thomas, 1889)

"Africa":

Unknown locality: **MNHN**: ZM-MO-1895-400.

Benin:

Agouagon (07 59 N 02 17 E, 155 m): **MNHN**: ZM-MO-1911-854 - Zizonkame (0755N 0201E): **USNM**: 438948.

Botswana:

Kurunxaraga (19.67S 22.83E): **NHMZ**: 59311 - Nokaneng, 15 mi N (1925S 2216E): **USNM**: 425343 - Xugana (19.08S 23.1E): **USNM**: 518669.

Cameroon:

Mokolo (10 44 25 N 13 48 10 E, 760 m): **RMCA**: 73.015-M-0582 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0584, 73.015-M-0585, 73.016-M-0421, 73.016-M-0422 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.016-M-0303, 73.017-M-0371 - Yagoua or Waza (11 00 00 N 15 00 00 E): **RMCA**: 73.016-M-0424.

Central African Republic:

Ouham area (0700N 1800E): **MNHN**: ZM-MO-1985-1048.

Chad:

Djiboulboul: **MHNG**: 1717.062, 1717.064, 1717.065, 1717.066, 1717.076, 1717.081, 1717.089, 1717.090 - Irtou (1319N 1510E): **MHNG**: 1717.073 - Léré (0937N 1410E): **MHNG**: 1717.074, 1717.077 - Maïlao [3 locs] (1134N 1516E): **MHNG**: 1717.071.

Congo (Democratic Republic of the):

Unknown locality: **RMCA**: 33543, 33544, 33545, 33546, 33547, 33548, 33549, 33550, 33551, 33552 - Albertville (0556S 2912E, 763 m): **RMCA**: 28666 - Bagbele (04 21 00 N 29 17 00 E, 742 m): **INPBC**: 1182.1, 1182.2, 1182.3; **RMCA**: 36848, 36849, 36850 - Bagbele Moke (04 21 00 N 29 17 00 E, 742 m): **RMCA**: 36851 - Bolobo (02 09 00 S 16 14 00 E): **RMCA**: 17404, 17405, 17406, 17407, 17408 - Boma (0551S 1303E, 61 m): **RMCA**: 6068b, 6573b - Butembo (0009N 2917E, 1760 m): **RMCA**: 22723b - Cel II (ca. 03 55 00 N 29 22 00 E): **RBINS**: 13850 - Duma (03 53 00 N 18 41 00 E, 356 m): **SMF**: 6393 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 49044 (Topotype *Eptesicus faradjius*), 49045 (Holotype *Eptesicus faradjius*), 49046, 49047, 49048 (Topotype *Eptesicus faradjius*), 49049 (Topotype *Eptesicus faradjius*), 49050, 49051 (Topotype *Eptesicus faradjius*), 49053 (Topotype *Eptesicus faradjius*), 49054 (Topotype *Eptesicus faradjius*), 49055 (Topotype *Eptesicus faradjius*), 49327, 49345, 52114, 52115; **MCZ**: 17379; **RMCA**: 12387 - Gangala na Bodio (034100N 290800E, 701 m): **RMCA**: 25807 - Kabwe (061200S 222300E, 610 m): **AMNH**: 212581, 212582, 212583, 212584, 212585, 212586, 212587, 212588, 212589, 212590; **RMCA**: 33352, 33353, 33354, 33355, 33356, 33357, 33358, 33359, 33596, 33597, 33598 - Katobwe (08 54 S 26 04 E, 610 m): **FMNH**: 29417 - Kawa (forest) (0134N 3032E, 753 m): **RBINS**: 21661; **RMCA**: 23153 - Luluabourg (055345S 222504E, 608 m): **AMNH**: 86166; **BMNH**: 1926.11.1.54, 1926.11.1.55, 1926.7.6.29, 1926.7.6.77, 1926.7.6.78; **RMCA**: 31572, 32668, 33542, 33605, 7571, 7572, 7573, 7574, 7575, 7576, 7577, 7578, 7579, 7580, 7581, 7582, 7583, 7584, 7585, 7586 - Mulongo (07 50 S 27 00 E, 578 m): **HZM**: 1.8024 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 49034, 49036, 49037, 49038, 49039, 49040, 49041, 49042, 49043; **FMNH**: 43869, 43870; **MCZ**: 17378; **RMCA**: 12388 - St Joseph de Luluabourg mission (0601S 2219E, 608 m): **RMCA**: 7177, 7179, 7180, 7184, 7185 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86146, 86165, 86167 - Tandala (02 58 00 N 19 21 00 E, 456 m): **CM**: 86668, 86669, 86672, 86673, 86674, 86675, 86676, 86677, 86678, 86679, 86782.

Ghana:

Doyum (05 54 N 00 01 E, 46 m): **ROM**: 60228, 60245 - Kete Krachi (07 48 N 00 01 W, 83 m): **ZMB**: 55517 - Shai Hills Resource Reserve (05 57 N 00 04 E): **CM**: 113623, 113624, 113625 - Yabraso (0804N 0147W): **USNM**: 424864, 424865.

Guinea:

Kankasili and Souguéta, between (ca. 10 10 09 N 12 31 22 W): **ZMA**: MAM.12197.

Kenya:

Unknown locality: **BMNH**: 1975.2568_1, 1975.2568_2; **RMNH**: MAM.27150, MAM.27151, MAM.27152, MAM.27153, MAM.27154, MAM.32099, MAM.32100, MAM.32101, MAM.32102, MAM.32103; **SMF**: 37546, 37548, 37549, 37550, 37551, 37553, 37554, 37555, 37556, 37557 - Archer's Post (0039N 3741E): **USNM**: 182683 - Aruba Lodge (03 21 S 38 49 E): **SMF**: 37547, 37552 - Buffalo Springs natural reserve (00 37 N 37 39 E): **CM**: 102185 - Diani (041619S 393408E): **ROM**: 48707 - Gazi (0425S 3930E, 3 m): **ROM**: 78200 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **USNM**: 436736 - Kiboko (02 11 00 S 37 43 00 E, 945 m): **USNM**: 436737 - Kichakasimba (04 20 57 S 39 21 33 E): **CUMV**: 13721 - Kilanguni Lodge (025400S 380400E, 914 m): **ROM**: 48498, 48499, 48500 - Kitoko River: **ROM**: 71257, 71258, 71259, 71267, 71271 - Lakiundu River: **USNM**: 182679, 182680, 182681, 182682, 184349, 184350, 184351, 184352, 184353, 184354, 184355 - Meru River: **MCZ**: 8279 (Holotype *Eptesicus phasma*) - Meru river (0003N 3739E): **AMNH**: 54418; **MCZ**: 8278, 8873, 8874, 8875 - Mukanda river (04 10 S 39 27 E, 152 m): **ROM**: 59204 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 76540, 76541, 76547, 76548, 76549, 76550, 76558 - Mweru River (0003N 3739E): **MCZ**: 8280 - on Galole Road (013013S 400144E): **ROM**: 71302, 71312, 71313, 71431 - Shell BM Camp (0231S 4031E): **ROM**: 71251, 71252, 71255, 71256 - Tana River (023149S 403126E): **USNM**: 21007 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 59203, 78201, 78202, 78203, 81222, 81243, 81244, 81245, 81246, 91228 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **ZMA**: MAM.20795, MAM.20796, MAM.20797, MAM.20798, MAM.20799, MAM.20800 - Tiwi, 1 km N (ca. 04 14 S 39 34 E): **CM**: 97977.

Malawi:

Bangula swamp (1635S 3507E): **DCDH**: 3121 - Chiromo (16 33 00 S 35 08 00 E, 42 m): **DCDH**: 3106, 3119; **KU**: 79311 - Malema (10 01 13.27 S 33 55 36.45 E): **MNHN**: ZM-MO-1999-123.

Mali:

Falea (12 15 51 N 11 16 38 W, 459 m): **DNSM**: 13420, 13421 - Samaya (12 32 58 N 08 03 19 W, 299 m): **MNHN**: ZM-MO-1996-393.

Mozambique:

Palmiera (25 13 02 S 32 49 56 E): **DNSM**: 8666.

Niger:

Bolsi, 6 km NW (1320N 0112E): **MVZ**: 154301 - Niamey (1331N 0207E, 207 m): **ROM**: 54800 - Niamey, 8 km W (1331N 0202E): **ROM**: 54814 - Tapoa, 21 km E (12 30 N 02 33 E): **BRTC**: 27853; **USNM**: 462791 - Tapoa, 21 km S (ca. 12 11 N 02 20 E): **UCM**: 15194.

Nigeria:
Unknown locality: **BMNH**: 1908.10.6.10 - Kilboa, 20 mi W (1319N 1116E): **HZM**: 2.10061, 3.10062 - N'ko (060059N 080830E, 103 m): **BMNH**: 1948.702 - Panyam , 2 mi [= 3.2 km] N (092500N 091300E): **USNM**: 375939 - Samaru stream (1110N 0738E): **HZM**: 5.12141 - Tsanchaga (0906N 0609E): **USNM**: 402778.

Senegal:
Simenti (13 01 N 13 17 W): **IVB**: S1212, S1213.

Sierra Leone:
Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547024 - Tonkilili district (ca. 08 37 08 N 011 50 30 W): **DNSM**: 13712 - Yengema (0749N 1201W): **USNM**: 463381.

Somalia:
Jamaame, 4 km S, 4 km W (ca. 00 02 N 42 43 E): **CM**: 85312, 85313, 85314, 85315, 85316, 85317, 85318 - no specific locality: **ZMB**: 53857, 53858, 53859, 53860 - Snai Sugar Plantation (02 46 N 45 31 E): **CM**: 85306, 85307, 85308, 85309, 85310, 85311.

South Africa:
Bonamanzi Game Reserve (28 06 S 32 18 E, 63 m): **DNSM**: 5361, 5370, 5877, 5878 - Lalapanzi Pan (28 03 25 S 32 17 42 E): **DNSM**: 6992, 6993.

South Sudan:
Abu Doleb (0920N 3135E): **ZFMK**: 1977.1015 - Gondokoro (045400N 314000E, 545 m): **BMNH**: 1907.12.17.1, 1907.12.17.2 - Gondokoro (0454N 3140E): **USNM**: 164973 - Kabi stream (03 56 52 N 31 34 41 E, 929 m): **USNM**: 587653 - Nyibor, Lake (06 55 N 30 10 E): **AMNH**: 184343, 184344, 184345, 184346, 184347, 184348, 184349, 184350, 184351, 184352, 184353, 184354, 184355, 184356, 184357 - Yambio (0434N 2821E): **ROM**: 72095, 72098.

Sudan:
Unknown locality: **BMNH**: 1922.5.15.1, 1922.5.15.2, 1922.5.15.3, 1922.5.15.4 - Aradeiba (114100N 342100E): **MCZ**: 14467 - El Garef (120300N 341900E, 428 m): **MCZ**: 14468 - El Garef (1203N 3419E): **FMNH**: 34149; **MCZ**: 14614 - Roseires (1148N 3424E): **MCZ**: 14615.

Tanzania:
Litipo Forest Reserve (10 02 S 39 30 E): **SMF**: 82539 - Mkwaja Ranch Forests (05 52 S 38 47 E): **SMF**: 79581 - Mtai Forest Reserve (04 58 S 38 46 E): **SMF**: 86690 - Tanga (05 04 00 S 39 06 00 E, 0 m): **ROM**: 40341, 78197, 78198, 78199; **USNM**: 351194.

The Gambia:
Abuko Nature Reserve (13 23 29 N 16 39 09 W): **SMF**: 91086, 91087 - Bathurst [=Banjul] (13 27 11 N 16 34 39W, 0 m): **BMNH**: 1889.12.12.1, 1889.3.2.3 (Holotype *Vesperugo (Vesperus) Rendalli*).

Togo:
Borgou (10 45 49 N 00 34 37 E, 147 m): **RMCA**: 73.013-M-0241 - Ezimé (07 29 00 N 00 56 00 E, 344 m): **RMCA**: 73.054-M-0204 - Missahohé (06 57 00 N 00 35 00 E, 473 m): **RMCA**: 73.011-M-0370 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0366 - no specific locality: **ZMB**: 54268, 54269, 54272.

Uganda:
Bugala island (00 19 13 N 32 14 38 E): **BMNH**: 1923.4.12.1, 1923.4.12.2 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **RMCA**: 16295, 16296; **ZMB**: 67576 - Nimule, near (0335N 3203E): **CAS**: 12198.

Zambia:
Blue Lagoon ranch (1527S 2720E): **HZM**: 4.11407 - Lochinvar (15 55 S 27 15 E): **NMZL**: 3534, 3535, 3536 - Naleza (1527AD): **BMNH**: 1968.1010, 1968.1011, 1968.1012; **UZMZ**: 015, 016, 280.

Zimbabwe:
Mana Pools-NP (1543S 2925E): **TM**: 41858, 41859.

Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012

Madagascar:
Amboasary (18 24 18 5 S 47 56 42 E): **UADBA**: 43677 - Antsahabe forest (18 24 36 S 47 56 24 E): **FMNH**: 222729 - PK 9 and PK 10, between (18 48 56 S 48 25 38 E): **FMNH**: 213931 (Paratype *Neoromicia robertsi*); **UADBA**: 43678 (Paratype *Neoromicia robertsi*).

Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013

Côte d'Ivoire:
Parc National de Tai (ca. 05 50 N 07 20 W): **ROM**: 100482.

Guinea:
Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0293, 2008.0294.

Liberia:
Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 13226 (Paratype *Neoromicia roseveari*) - Yiti River (07 29 N 08 35 W): **DNSM**: 12617 (Holotype *Neoromicia roseveari*).

Neoromicia somalica (Thomas, 1901)

"Africa":
Unknown locality: **HZM**: 5.18819 - Africa: **MZUF**: 6242.

Angola:
Unknown locality: **BMNH**: 1866.1.20.22 - Dundo (0724S 2047E, 726m): **FMNH**: 66514, 66515, 66516, 66517, 66518.

Benin:
Mékrou river (ca. 12 18 N 002 40 E): **ZMA**: MAM.19186 - Parakou (09 21 N 02 37 E, 324 m): **USNM**: 421396 - Segbana (1056N 0342E): **USNM**: 421386.

Botswana:

Nata (2012S 2611E): **USNM**: 367752, 367753.

Burkina Faso:

Unknown locality: **BMNH**: 1985.1139 - Comoe River (09 57 N 04 38 W, 206 m): **BMNH**: 1984.1016 - Nobéré, 1 km S (1126N 0110W): **USNM**: 503952 - Nobere, 1 km S (1136N 0118W): **ROM**: 79846.

Cameroon:

Djohong (06 50 00 N 14 42 00 E, 1242 m): **RMCA**: 73.016-M-0304 - Mokolo - Mayo Louti (10 42 00 N 13 44 00 E): **RMCA**: 73.015-M-0669 - Ngaoundéré, 13 km S (07 12 N 13 36 E): **CM**: 58515 - Tello (07 10 00 N 14 18 00 E, 1426 m): **RMCA**: 75.003-M-0100 - Touroua (09 05 00 N 12 58 00 E, 202 m): **RMCA**: 76.014-M-0097.

Central African Republic:

Gounda camp (0919N 2112E): **CM**: 73708, 73709, 73710, 73711, 73712, 73713, 73714, 73715, 73716, 73717, 73718 - Koumbala Camp (0729N 2113E): **CM**: 73719, 73720, 73721, 73722, 73723, 73724, 73725.

Chad:

Fort Archambault (09 09 00 N 18 23 00 E, 347 m): **MHNG**: 1717.057.

Congo (Democratic Republic of the):

Unknown locality: **SMF**: 93322 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86927 - Mboga (01 03 N 29 56 E, 1562 m): **BMNH**: 1930.11.11.172 - Mbwambala (05 03 00 S 18 55 00 E): **RMCA**: 97.021-M-0749.

Côte d'Ivoire:

Unknown locality: **SMF**: 84396, 84397, 84398, 91966, 91967, 91968, 91969, 91970, 91971, 91972, 91973, 91974, 91975, 91976, 91977, 91978, 91979, 91980, 91981 - Banama Blanc (0945N 0550W): **FMNH**: 105207 - Korhogo, 180 km E (0927N 0359W): **LACM**: 33755.

Eritrea:

Adi Ugri (1453N 3849E): **MZUF**: 5365, 5366, 5367, 5368, 5369, 5370, 5371, 5372, 5374.

Ethiopia:

Unknown locality: **BMNH**: 1970.486, 1972.4377_1, 1972.4377_2, 1972.4379_01, 1972.4379_02, 1972.4379_03, 1972.4379_04, 1972.4379_05, 1972.4379_06, 1972.4379_07, 1972.4379_08, 1972.4379_09, 1972.4379_10, 1972.4389_1, 1972.4389_2, 1972.4389_3, 1972.4389_4, 1972.4389_5, 1972.4389_6, 1972.4395, 1972.4396, 1976.813_1, 1976.813_2 - Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189551, S-189556 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **CM**: 52654, 52655 - Chamo, lake (05 50 N 37 33 E): **SMF**: 47867 - Dire Dawa (0932N 4153E): **AMNH**: 48081, 48082 - Dire Dawa (0932N 4153E, 1250 m): **ZMB**: 48187 - Fincha River, mouth (1003N 3720E): **BMNH**: 1970.484, 1970.485 - Ghimbi (09 10 N 35 50 E, 1844 m): **SMF**: 49137, 49138 - Harle (12 20 N 39 26 E): **NMP**: pb5486 - Menagesha Forest (08 59 24 N 38 33 49 E): **NMP**: pb5484 - Sidam-Bale bridge (05 45 N 39 37 E): **BMNH**: 1976.814 - Sorobo (ca. 05 25 30 N 37 31 00 E): **NMP**: pb5655.

Ghana:

Pulima (1051N 0203W): **USNM**: 414993 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414984, 414985, 414986, 414988, 414989, 414990, 414991, 424863.

Guinea:

Canga-Moribadou Road, 2nd bridge on (08 35 36 N 8 51 26 W, 750 m): **ZFMK**: 2009.0033.

Guinea-Bissau:

Bissoram (12 13 23 N 15 26 51 W, 39 m): **CZL**: 45.20.370 - Mansoa (12 04 24 N 15 19 08 W, 3 m): **CZL**: 45.20.380.

Kenya:

Unknown locality: **BMNH**: 1910.4.1.25, 1914.7.31.10, 1914.7.31.9, 1975.2790, 1975.2790_1, 1975.2790_2, 1975.2790_3, 1975.2790_4, 1975.2793, 1975.2794, 1975.2795; **RMNH**: MAM.27129 - Archer's Post (0039N 3741E): **USNM**: 182677, 182678 - Bowker Farm: **FMNH**: 152721 - Bushwacker's Safari Camp (02 19 S 38 07 E): **CM**: 97980, 97981, 97982 - Cherangani Mountain: **ROM**: 38337 - Endebess (0104N 3451E): **ROM**: 67961 - Garsen, near (0216S 4007E): **ROM**: 71311 - Guas Ngishu plateau (0235S 3705E): **USNM**: 166521 - Guaso Nyiro (0035N 3732E): **MCZ**: 8872 - Guaso Nyiro, plains (ca. 0035N 3732E): **MCZ**: 8271 - Kapolet River, Cherangani, 7: **ROM**: 39510 - Kibwezi (02 25 00 S 37 58 00 E, 3000 - 4000 ft): **WAM**: M26645, M26646, M26647, M26648, M26649, M26650, M26651, M26652, M26653, M26654, M26655, M26656 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **USNM**: 436719, 436720, 436721 - Kitale, 20 mi S (ca. 0101N 3501E, 1951 m): **FMNH**: 152717 - Kongelai: **ROM**: 102849, 102850, 81352, 81354, 81361, 91223 - Kongelai Escarpment, Tambala Falls (1829 m): **FMNH**: 152722 - Kongelai, 3 mi S (0128N 3501E, 1372 m): **USNM**: 436707 - Lukenya, mount (01 28 S 37 03 E): **FMNH**: 18427 - Maji Moto (0013N 3606E): **USNM**: 436734 - Maji Moto (0013N 3606E, 1102 m): **USNM**: 436733 - Makandara picnic site (04 15 S 39 23 E): **CM**: 97979 - Marsabit road (0220N 3759E): **USNM**: 182676 - Masol Location: **ROM**: 40240, 40241 - Moctow, 50 mi S [=Maktau, 50 mi S] (0324S 3808E): **AMNH**: 114487 - Mount Nyiru: **ROM**: 73394 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152718, 152719, 152720 - NE Base Wei Wei River, West Pokot: **LACM**: 36535 - NFD, Isiolo: **LACM**: 31932, 31933 - Ortum: **ROM**: 65943 - Rongai (0011S 3552E): **HZM**: 2.9113 - Saboti: **ROM**: 35862 - Samburu Lodge, Vasio Nyiro River: **ROM**: 38344, 48702, 48703 - Shimba Hills Nature Reserve (04 14 S 39 25 E): **CM**: 97978 - Sigor (01 29 00 N 35 28 00 E, 750 m): **CM**: 102187, 102188 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152723, 152724, 152725, 152726 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **ZMA**: MAM.20801 - South Nguasso Nyiro river: **USNM**: 162107, 166518, 172901, 172902 - Wei Wei River (ca. 01 30 00 N 35 30 00 E): **ROM**: 38338, 38339.

Liberia:

Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 12612.

Madagascar:

Unknown locality: **RMNH**: MAM.30243 - Ambohimitombo [= Ambohimitombo] (2043S 4726E, 1200 m): **FMNH**: 5646 - Majunga (15 43 S 46 19 E, 124 m): **NMW**: 19654 - Tananarive (185500S 473100E, 1288 m): **MNHN**: ZM-MO-1985-416.

Mali:

Unknown locality: **SMF**: 92111.

Nigeria:

Unknown locality: **BMNH**: 1975.2802, 1979.1733 - Lake Pandam (08 39 21 N 08 58 10 E): **ZMA**: MAM.18385, MAM.18387, MAM.18388 - Pandam Wildlife Park (08 44 N 08 59 E): **ZMA**: MAM.18386 - Zaria (1101N 0744E): **ROM**: 77706, 77707, 77708, 84067, 84068, 84080, 84087 - Zaria, 7 mi NW (ca. 1101N 0744E): **USNM**: 378862.

Rwanda:

Karama (021600S 301600E): **RMCA**: 82.006-M-0918, 82.006-M-0919.

Senegal:

Bacadadgi (13 39 N 16 29 W): **IVB**: S425, S427 - Dalaba (12 45 N 13 16 W): **IVB**: S526 - Dar Salam (13 15 N 13 12 W): **IVB**: S1459, S1460, S1674, S1907, S607, S655, S656, S658, S705, S725, S953 - Dindéfélo – next to the stream (12

22 N 12 19 W): **IVB**: S848 - Lengué Kountou (13 02 N 13 04 W): **IVB**: S114, S115, S122, S123, S140, S141, S1568, S1569, S1572, S1574, S1576, S1577, S1586, S35, S445, S463, S464, S465, S466, S474 - Mako (12 51 N 12 21 W): **IVB**: S1288 - Mount Assirik (12 53 N 12 43 W): **IVB**: S1768, S1770, S1774, S1775, S1776, S1777, S1778, S1779, S1780, S1781, S1782, S1786 - Niériko – bridge (13 21 N 13 21 W): **IVB**: S1488, S1489, S1490, S1491, S1492, S1493, S1496, S1498, S1499, S1501, S1502, S1503, S1504 - Niériko (13 21 N 13 21 W): **IVB**: S1805, S1806, S1807, S1808, S1809, S1811, S1813, S1817 - Niokolo (13 04 N 12 43 W): **IVB**: S1715, S1718, S1719, S1722, S1725, S1726, S1727, S1728, S1730, S1732, S1733 - Simenti (13 01 N 13 17 W): **IVB**: S1209, S1598, S1602, S1604, S1610, S1611, S1612, S1645, S315, S553, S593 - Tambacounda – Parc National de Niokolo-Koba (13 46 N 13 39 W): **IVB**: S921 - Tambacounda (13 46 N 13 39 W, 61 m): **IVB**: S940.

Sierra Leone:

Fadugu (0923N 1146W): **USNM**: 462850 - Outamba-Kilimi-NP, Kilimi section (0948N 1227W): **USNM**: 547022 - Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 547023 - Segbwemba (0759N 1057W): **USNM**: 463091.

Somalia:

Hargeisa (0933N 4404E, 3 500 ft): **BMNH**: 1898.6.9.1 (Holotype *Vespertilio minutus somalicus*) - Jamaame, 5 km S, 7.5 km W (00 01 N 42 41 E): **CM**: 85339, 85340 - Snai Sugar Plantation (02 46 N 45 31 E): **BRTC**: 41940; **CM**: 85319, 85320, 85321, 85322, 85323, 85324, 85325, 85326, 85327, 85328, 85998 - Wadajir, 8 km N, 4.5 km E (0040S 4142E): **CM**: 85342, 85343.

South Africa:

Farm Roodekopjes (270300S 294800E): **LACM**: 85680 - New Figtree Forest (22 25 S 31 18 E): **LACM**: 85681 - Pafuri (22 24 36 S 31 06 36 E): **AMNH**: 257395 - Punda Maria Camp, 2 km N (22 41 S 31 02 E): **AMNH**: 257396 - Shilouwan (23 27 S 31 33 E, 397 m): **MHNG**: 723.039.

South Sudan:

Katire (0405N 3246E): **FMNH**: 78488 - Lawudo (0425N 3234E): **FMNH**: 78754 - Ledgus: **USNM**: 166520 (Holotype *Eptesicus ugandæ*), 166680, 166681 - Ngangala, 20 mi [=32 km]N (0440N 3155E): **FMNH**: 78752 - Ngohalima, on Busseri River (07 28 N 28 00 E): **MSU**: MR.33456, MR.33457, MR.33458, MR.33459 - Nimule (0335N 3203E): **USNM**: 166529, 166532 - Nzara (04 38 36 N 28 15 11 E, 595 m): **SMF**: 33281 - Raga (08 28 00 N 25 41 00 E): **MSU**: MR.33443 - Tonj: **ROM**: 72069 - Tonj (0715N 2845E): **ROM**: 71927, 72074 - Tonj, 64 km SE: **ROM**: 68212 - Torit (0427N 3231E, 610 m): **FMNH**: 67489, 67490, 77635, 77702, 77703, 77704, 77705, 77707, 77708, 79669 - Torit district (ca. 042448N 323404E): **USNM**: 368920 - Wau (07 42 00 N 28 00 00 E): **MSU**: MR.33373, MR.33440, MR.33441, MR.33442, MR.33451, MR.33452, MR.33453, MR.33454, MR.33455 - Yambio (0434N 2821E): **FMNH**: 81565.

Sudan:

Bados (1210N 3420E): **MCZ**: 14613 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **MNHN**: ZM-MO-1895-446, ZM-MO-1895-486 - Rheika (10 41 N 30 00 E): **SMF**: 33277.

Swaziland:

Unknown locality: **BMNH**: 1989.43.

Tanzania:

Unknown locality: **USNM**: 251925 - Arusha National Park (031500S 364500E): **AMNH**: 268462 - Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187142 - Genda Genda South Forest Reserve (05 34 S 38 38 E): **SMF**: 79583 - Kilulu Hill (04 46 S 39 08 E): **SMF**: 79582 - Tanangire National Park: **AMNH**: 264462 - Tarangire National Park (0348S 3604E, 1128 m): **FMNH**: 158013, 158014, 158015, 158016 - Zaraninge-Kiano forest reserve (ca. 06 08 S 38 36 E): **SMF**: 79584.

Togo:

Atakpamé (07 32 00 N 01 08 00 E, 376 m): **RMCA**: 73.054-M-0206 - Namoundjoga (10 53 26 N 00 23 59 E, 280 m): **RMCA**: 73.011-M-0367 - no specific locality: **ZMB**: 54356 - Témédja (07 31 00 N 01 03 00 E, 226 m): **RMCA**: 73.054-M-0205.

Uganda:

Unknown locality: **BMNH**: 1914.7.31.7 - Amudat (0158N 3457E): **USNM**: 436711, 436712, 436713, 436714, 436715 - Amudat (0158N 3457E, 1372 m): **USNM**: 436709, 436710 - Arua: **ROM**: 39372 - Budo (0015N 3229E): **AMS**: M.29823; **HZM**: 4.18818 - Bukalasa (0041N 3231E): **SMF**: 41819 - Katatemwa (0105N 3109E): **HZM**: 1.4070 - Kawanda, Agriculture Research Station (002229N 323211E, 1193 m): **ROM**: 63434 - Kigumba (014818N 320042E, 1071 m): **FMNH**: 86012 - Metu: **ROM**: 68687 - Namagunga, Buganda: **ROM**: 40042, 40065, 40067 - Soroti (0140N 3330E): **ROM**: 38349, 38350, 38352, 38353.

Zimbabwe:

Wankie-NP (1845S 2658E, 914 m): **FMNH**: 152727.

Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017

Botswana:

Gomoti River, Film Camp (19 25 33 S 23 25 01 E, 950 m): **TM**: 48484 - Gomoti River, Highbanks (19 25 11 S 23 24 15 E, 950 m): **FMNH**: 97211; **TM**: 48487 (Holotype *Neoromicia stanleyi*) - Kurunxaraga (19.67S 22.83E): **NHMZ**: 59307.

Kenya:

Mara River: **ROM**: 41776.

Malawi:

Unknown locality: **BMNH**: 1987.1135 - Kasungu-NP (1303S 3309E): **BMNH**: 1987.1136 - Liwonde National Park (14 52 S 35 21 E, 700 m): **DCDH**: 3048.

Mozambique:

Mungari, 5 km N (17 10 00 S 33 33 00 E, 500 m): **USNM**: 365408, 365409 - Tette (1610S 3335E): **BMNH**: 1908.4.3.24.

South Africa:

Anthrax camp (22 25 30 S 31 12 30 E): **TM**: 37943, 37944, 37945 - Culling camp (22 25 40 S 31 15 15 E): **TM**: 37833, 37844, 37937 - Fig Tree Camp (2225S 3111E): **CM**: 93186 - Figtree camp (22 25 50 S 31 11 50 E): **TM**: 36778 - Figtree forest (22 26 S 31 11 E): **TM**: 38599 - Figtree forest, 4.8 km down stream of bridge (2225S 3115E): **TM**: 37680 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 34185, 34186, 34240, 34263 - Manxeba windmill (22 24 S 31 14 E): **TM**: 38132 - New Figtree Forest (22 25 S 31 18 E): **TM**: 37858, 37906, 38843 - Old Picnic Site (22 25 18 S 31 12 49 E): **CM**: 98549; **TM**: 37923, 37924, 37929, 39506 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 37852.

Tanzania:

Banagi (02 16 S 34 51 E, 1413 m): **RBINS**: 15627.1, 15627.2, 15627.3, 15627.4 - Kafukola (08 05 00S 31 57 00 E, 1126 m): **HZM**: 2.2047 - Liwale (09 46 S 37 56 E, 468 m): **HZM**: 1.3529 - Seronera (02 25 S 34 50 E, 1463 m): **ROM**: 38257.

Zambia:

Fort Jameson district (1345S 3245E): **NHMZ**: 20130 - Kalichero (1330S 3227E): **NHMZ**: 20019 - Lufupa Camp (14 36 56 S 26 11 27 E): **NMZL**: ECJS-114/2010 - Matabele plain (16 25 S 23 08 E): **BMNH**: 1966.5460 - Mpomwa Hills (13.37S 32.37E): **NHMZ**: 20310 - Naleza (1527AD): **UZMZ**: 66 - Nyimba and Fort Jameson, between (14 00 S 32 00 E): **BMNH**: 1966.5461.

Zimbabwe:

Gutu Mission (1931CA): **NHMZ**: 30065 - Kwizizi R, Deka Valley (18.43S 26.32E): **NHMZ**: 33756 - Malve: **BMNH**: 1933.3.3.2 - Mana Pools National Park (15 44 00 S 29 21 00 E, 365 m): **TM**: 41860, 41861, 41862 - Mcheni Gorge (17 40 S 27 52 E): **BMNH**: 1983.216.

Neoromicia tenuipinnis (Peters, 1872)

"Africa":

Central Africa: **NMBE**: 1014533a, 1014533b, 1014533c, 1014533e, 1014533f, 1014533g, 1014533h.

Angola:

Caconda (1342S 1505E, 1900 m): **BMNH**: 1889.5.1.3 (Syntype *Vesperus bicolor*) - Chinchoxo (ca. 0504S 1202E): **ZMB**: 4804, 4992, 66941, 66942, 66943 - Dundo (0722S 2050E, 726m): **MDL**: 11178b, 3301, 5026, 5208, 5849 - Dundo (0724S 2047E, 726m): **FMNH**: 66519, 66520, 66521, 66522, 66523 - Dundo Lundo (0722S 2050E, 726 m): **BMNH**: 1963.1044.

Burundi:

Bujumbura (03 23 00 S 29 22 00 E, 794 m): **MHNG**: 1607.096, 1608.005, 1608.006, 1608.011, 1608.018, 1608.019, 1624.003, 1895.089, 1895.090; **RMCA**: 16271 - Russissi, bank [=Rusizi delta] (03 16 S 29 14 E): **ZMB**: 54067 - Usumbura (0323S 2922E, 794 m): **MCZ**: 38033.

Cameroon:

Unknown locality: **BMNH**: 1938.11.22.1, 1984.846 - Ambam, 13 km S, 5 km E (0216N 1121E): **CM**: 58516, 58517, 58518, 58519 - Bitye (03 01 00 N 12 22 00 E, 616 m): **RMCA**: 2627 - Bitye (03 13 N 12 22 E, 2000 ft): **MCZ**: 17488 - Bitye (0313N 1222E): **ZFMK**: 1979.0647 - Bota (04 01 43 N 09 11 15 E, 109 m): **BMNH**: 1967.1734; **ROM**: 43384 - Boteke Village (0406N 0912E): **ROM**: 69043, 69044, 69057, 69058, 69059 - Douala (04 02 49 N 09 42 30 E, 0 m): **SMNS**: 2362b - Ibid: **SMF**: 5382 - Idenao (04 15 51 N 09 02 50 E, 531 m): **ROM**: 46857, 46858, 51036 - Isongo [=Izongo] (0405N 0901E, 30 m): **ZMB**: 93806, 93807 - Kumba (04 38 38 N 09 26 19 E, 257 m): **ROM**: 43383 - Kumba, 15 km S (04 39 N 09 25 E): **ROM**: 55800, 55801 - Malako River (0427N 1137E): **ROM**: 56116 - Mamfe, 12 km SE (ca. 05 47 N 09 18 E): **AMNH**: 241049 - Mawutu Village (0424N 0912E): **ROM**: 69136 - Meanja (0416N 0924E): **ROM**: 69094 - Muyuka [= Muea] (0416N 0924E): **ROM**: 43377, 43378, 58280 - Obala, 12 km S, 4 km E (0409N 1121E): **ROM**: 55612, 55622, 55623, 56137, 56153 - Obala, 30 km N, 40 km E (0422N 1158E): **CM**: 58520 - Yaoundé, 16 km S, 2 km E (0343N 1132E): **CM**: 58526, 58527, 58528 - Yaoundé, 23 km S, 1 km E (0340N 1132E): **CM**: 58529, 58530, 58531, 58532 - Yaoundé, 25 km S 3 km E (0335N 1133E): **CM**: 58533 - Yaoundé, 7 km S, 8 km W (0348N 1127E): **CM**: 58521 - Yaoundé, 9 km S, 10 km W (0347N 1125E): **CM**: 58522, 58523, 58524, 58525.

Central African Republic:

Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1977-560 - M'Baikie (0354N 1800E): **CM**: 41046, 41047, 41048, 41049, 41050.

Congo:

Dimonika (04 13 53 S 12 26 22 E, 250 m): **MNHN**: ZM-MO-1889-892, ZM-MO-1984-1390, ZM-MO-1984-1392 - Lekoumou, airport road (02 45.724 S 13 34.953 E): **HZM**: 7.40170, 8.40171.

Congo (Democratic Republic of the):

Unknown locality: **BMNH**: 1926.11.1.56, 1926.7.6.81, 1926.7.6.82, 1926.7.6.83; **RBINS**: 6277.2; **RMCA**: 27367, 27370, 27372, 9193; **SMF**: 2526 - Alima (00 35 00 N 29 18 00 E): **RMCA**: 28827 - Bamania (00 01 00 N 18 24 00 E): **RMCA**: 21699, 26328 - Bambesa (03 28 00 N 25 43 00 E, 614 m): **RMCA**: 14075, 14076, 14077, 14078, 17753 - Banana (060100S 122400E, 0 m): **RMCA**: 21375 - Banana creek (0558S 1227E): **RBINS**: 14511 - Bena Tshiadi (04 40 00 S 22 49 00 E, 615 m): **RMCA**: 79.019-M-0001 - Beno (03 37 00 S 17 48 00 E, 281 m): **RMCA**: 19475, 19828, 19829, 19830, 19849, 19850 - Biangolo (00 25 N 29 45 E, 1300 m): **INPBC**: W53 - Bitshumbi (00 40 56 S 29 23 12E, 907 m): **RMCA**: 16632 - Bokoro (02 50 00 S 18 23 00 E, 252 m): **RMCA**: 21523 - Boteka (00 20 00 S 19 06 00 E, 333 m): **RMCA**: 85.021-M-0001, 85.021-M-0002, 85.021-M-0003 - Bukavu (02 30 30 S 28 51 39 E, 1498 m): **RMCA**: 23173 - Buta (02 48 00 N 24 44 00 E, 434 m): **RBINS**: 14510; **RMCA**: 13176, 13177, 13709a, 13709b, 13709c, 13859, 14564a, 14564b, 14564c, 14584a, 14584b, 14584c, 15325, 15327, 15328, 15397, 16186, 16188, 16245, 16280, 16281, 19459, 19460 - Butembo (0009N 2917E, 1381 m): **RMCA**: 27877, 27878, 27879, 27880, 27881, 27882, 27883, 27884 - Eala (00 04 00 N 18 17 00 E, 301 m): **RMCA**: 13096, 13410 - Edouard,lac (00 07 S 29 35 E): **RBINS**: 4760 - Elisabetha (01 09 00 N 23 36 00 E, 428 m): **RMCA**: 5369, 8220 - Faradje (03 44 00 N 29 43 00 E, 775 m): **AMNH**: 48988 (Holotype *Eptesicus ater*), 49423 (Topotype *Eptesicus ater*); **RMCA**: 9043 - Ganda-Sundi (04 52 00 S 12 52 00 E, 294 m): **RMCA**: 33268 - Ibembo (0238N 2337E, 420 m): **RMCA**: 19461 - Irumu (01 27 00 N 29 52 00 E, 1280 m): **RMCA**: 16256 - Kabale (00 38 S 29 07 E, 1791 m): **AMNH**: 82383, 82384 - Kabongo (071900S 253500E, 918 m): **RMCA**: 21484 - Kalenda (07 07 47 S 23 32 11 E, 821m): **RBINS**: 7742 - Kalenda [Kasai] (07 08 00 S 23 32 00 E, 821 m): **RBINS**: 1742 - Kamponde (06 42 00 S 22 56 00 E, 829 m): **RMCA**: 33389 - Katanga (former) province: **RBINS**: 6277.1 - Kinzambi mission (04 58 38 S 18 46 28 E, 312 m): **MSB**: 274830 - Kisangani (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 82.031-M-0035 - Kisantu (050700S 150500E, 421 m): **RMCA**: 7313, 7314a - Koteli (02 52 00 N 24 33 00 E, 432 m): **RMCA**: 8922 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 7783a - Léopoldville (04 19 47 S 15 18 54 E, 240 m): **RMCA**: 17661, 18809 - Leverville (04 50 00 S 18 44 00 E, 307 m): **RMCA**: 9988a, 9989 - Lukolela (01 03 00 S 17 12 00 E, 285 m): **AMNH**: 86914; **RMCA**: 11735, 16182 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1927.12.21.12; **RMCA**: 32667, 33540, 33541, 7569, 7587 - Luluabourg, gorge (ca. 055300S 222600E): **RMCA**: 32773, 32774, 32775, 32776 - Mabali (00 55 00 S 18 09 00 E): **MHNG**: 985.067 - Mabali (02 20 00 S 28 50 00 E): **MCZ**: 48245, 48246, 48247, 48248, 48249, 48250, 48251; **RMCA**: 28912, 28913 - Makaw (03 29 00 S 18 19 00 E, 315 m): **RMCA**: 27501 - Masako (00 36 00 N 25 13 00 E): **RMCA**: 93.079-M-0346, 93.079-M-0370 - Mauda (04 05 00 N 27 41 00 E): **RMCA**: 16228 - Mayumbe (ca. 05 00 S 15 00 E): **RMCA**: 16495, 2668, 3432 - M'Gayu (01 35 00 N 27 13 00 E): **RMCA**: 12396 - Mulungu (02 19 00 S 28 48 00 E, 1159 m): **RBINS**: 6403; **RMCA**: 19646, 19647, 19648 - Ngayu (river) (01 35 N 27 13 E): **AMNH**: 48982, 48983, 48985 -

N'Gayu area (ca. 01 35 00 N 27 13 00 E): **AMNH**: 49310, 49319, 49337 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 48986, 48987 - Paulis (0246N 2737E, 730 m): **RMCA**: 17929, 17930, 20512 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: V1350.1, V1353.2, W1247; **RBINS**: 4758, 4759, 4767, 4768; **RMCA**: 16633, 16634, 37163, 37164, 37165, 37166 - St. Jos (mission) (06 01 00 S 22 19 00 E, 608 m): **AMNH**: 86141, 86149, 86169, 86173, 86174 - Stanleyville (00 31 00 N 25 12 00 E, 447 m): **RMCA**: 16187, 9995 - Tandala (02 58 00 N 19 21 00 E, 456 m): **CM**: 86667; **USNM**: 463506 - Tshakala (00 27 27 N 25 32 05 E, 453 m): **RMCA**: 82.019-M-0007 - Tshikapa (06 25 00 S 20 48 00 E, 485 m): **RMCA**: 7255 - Tshuapa river, upper (01 00 00 S 23 20 00 E): **RMCA**: 16267, 16268 - Upper Congo: **BMNH**: 1907.6.14.15, 1907.6.14.16, 1907.6.14.17, 1907.6.14.18, 1907.6.14.4, 1907.6.14.5 - Uvira (032424S 290845E, 746 m): **RMCA**: 22912, 27209, 27210, 27211, 27212, 27213, 35688, 90.004-M-0001; **ZMB**: 67026, 67027, 67028 - Vitshumbi (00 40 56 S 29 23 12 E, 907 m): **RBINS**: 4757.1, 4757.2 - Yalosemba (02 35 N 24 47 E, 422 m): **CM**: 86666; **MHNG**: 1871.010, 1871.011; **USNM**: 463504, 463505, 537724, 537725; **ZMMU**: S-180533, S-180534 - Zobia (02 58 N 25 56 E, 609 m): **RBINS**: 14509.

Côte d'Ivoire:

Unknown locality: **SMF**: 91986 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 97.077-M-3180, 97.077-M-3184, 97.079-M-0764, 97.079-M-0777, 97.079-M-0800 - Banco, forêt de (0525N 0403W): **USNM**: 429949 - Ehania (05 14 00 N 02 46 00 W, 70 m): **USNM**: 429950, 429951, 429952 - Flampleu (07 16 33 N 08 02 43 W, 373 m): **RMCA**: 34865 - Kahin (0655N 0737W): **USNM**: 465818, 465819 - Toyébli (06 37 11 N 08 28 50 W, 211 m): **RMCA**: 34866.

Ethiopia:

Abol (0743N 3406E): **USNM**: 521057 - Kulfo river (0520N 3735E): **HZM**: 3.24721.

Gabon:

Fernan Vaz (0134S 0915E): **USNM**: 220899 - La Mouila (01 52 S 11 01 E, 156 m): **MNHN**: ZM-MO-1948-488 - Lambarene (00 42 00 S 10 13 00 E, 45 m): **RMCA**: 33538, 33539 - Lastourville (0050S 1203E): **MHNG**: 1711.029 - Malimba (0209S 1041E): **SMNS**: 2198 - Mouila (01 52 S 11 01 E, 156 m): **MNHN**: ZM-MO-1947-859 - Mouila (0147S 1153E): **FMNH**: 73835, 73836, 73837 - Ntyonga (ca. 013400S 091500E): **USNM**: 220902 - Omboue (0138S 0920E): **USNM**: 220897 - Port Gentile (0043S 0847E, 1 m): **FMNH**: 73834.

Ghana:

Bechem (07 05 N 02 02 W, 293 m): **ROM**: 52056 - Ho (06 36 N 00 28 E, 153 m): **ROM**: 62359 - Nkawkaw, 1 mi [=1.6 km] N (06 33 N 00 44 W): **USNM**: 412125, 412126, 412127, 412128, 412129, 412130, 412131, 412132, 412133, 412134, 412135 - Nkawkaw, 3.25 km N, 1.33 km W (06 32 N 00 44 W): **CM**: 62403, 62404 - Oda (05 55 N 00 56 W, 122 m): **FMNH**: 54693, 54694, 55751, 55752 - Oda and Akim, between (05 54 N 00 55 W): **ROM**: 59832 - Saruwi river (0516N 0120W): **USNM**: 412136, 412137, 412138.

Guinea:

Unknown locality: **ZMB**: 4096 - Sérédou (08 22 56 N 09 17 59 W): **MNHN**: ZM-MO-1970-475.

Kenya:

Unknown locality: **BMNH**: 1975.2570, 1975.2797, 1975.2797_1, 1975.2797_2, 1975.2797_3, 1975.2797_4, 1975.2797_5, 1975.2798, 1975.2799, 1975.2800, 1975.2801 - Baringo, lake (0038N 3616E): **ROM**: 36355 - Homa Bay county (00 30 S 34 30 E, 1524 m): **WNMU**: 6129 - Kampi Ya Samaki (003600N 360100E, 914 m): **ROM**: 68534 - Kampi ya Samaki (0038N 3617E): **ROM**: 68533, 68535, 68536, 68537, 68538, 68539, 68540, 68541 - Lake Baringo (003800N 360500E): **NMK**: 7745 - Maji Mota (0013N 3606E): **USNM**: 436741, 436742 - Maji Moto (0013N 3606E, 1102 m): **USNM**: 436740, 436743, 436744 - Marigat (002800N 355900E, 1062 m): **ROM**: 75446; **USNM**: 436745 - Marigat, Perakera River (002800N 355900E, 1036 m): **ROM**: 68558 - Molo river (0155S 3545E, 1067 m): **ROM**: 75477, 75481, 75483 - Mukanda river (04 10 S 39 27 E, 152 m): **CUMV**: 13720 - Mukanda Stream (04 10 S 39 27 E, 152 m): **CUMV**: 14648, 14649, 14651, 14652 - Naivasha, 10 mi [=16 km] W (ca. 00 42 46 S 36 17 13 E): **USNM**: 436738, 436739 - Ngambo (0030N 3605E): **ROM**: 75464 - Ngambo (0030N 3605E, 1036 m): **ROM**: 75463 - State Loge Campsite (00 06 34 S 34 44 46 E): **MMU**: PWW2990, PWW2993, PWW2994, PWW2998, PWW3000, PWW3001, PWW3003, PWW3005 - Ukwala (0011N 3411E): **ROM**: 36354, 36356, 36357, 36358, 36359, 38286 - Ukwala (0011N 3411E, 1219 m): **ROM**: 38285, 38287, 38288, 38289.

Liberia:

Unknown locality: **RMNH**: MAM.17838; **USNM**: 21662 - Duside Plantation (062057N 102748W): **AMNH**: 89450 - Firestone Plantation (062400N 102200W): **MVZ**: 133067, 133068, 133069 - Gomutown (07 00 N 11 00 00 W): **RMCA**: 87.050-M-0001 - Monrovia (0620N 1046W): **FMNH**: 34151, 34152; **MCZ**: 25143, 25569, 25570, 25571, 25572, 25573, 25575, 25576, 25577, 25578, 25580, 25581, 25582, 27130 - Tars Town (0613N 0808W): **USNM**: 481733 - Yekepa, near (ca. 07 34 46 N 08 32 16 W): **DNSM**: 13235 (Neotype *Vesperus tenuipinnis*) - Ziggida, 7 mi N, 1 mi E: **AMNH**: 265826 - Zigida Village (080212N 092923W): **USNM**: 541533, 541534.

Nigeria:

Unknown locality: **BMNH**: 1953.713 - Calabar, 15 mi N (0513N 0812E): **USNM**: 377118 - Umuahia (053200N 072900E, 151 m): **BMNH**: 1947.350.

Rwanda:

Gabiro (01 31 00 S 30 28 00 E, 1400 m): **RBINS**: 13021, 13921 - Gisenyi (01 41 15 S 29 15 17 E, 1450 m): **ZMA**: MAM.21233, MAM.21234, MAM.21235, MAM.21236 - Rwankwi (013200S 293200E): **RMCA**: 19070, 19071 - Shangi Schad (022413S 290021E): **RMCA**: 85.006-M-0457.

Senegal:

Diabane (1233N 1605W): **FMNH**: 128214, 128215.

Sierra Leone:

Unknown locality: **BMNH**: 1916.1.27.2 - Bonthe (073155N 123018W, 9 m): **BMNH**: 1954.917 - Njala (08 07 04 N 12 05 04 W, 67 m): **ROM**: 51052 - Outamba-Kilimi-NP, Outamba section (0942N 1211W): **USNM**: 547025 - Segbwemba (0759N 1057W): **USNM**: 462853 - Yengema (0749N 1201W): **USNM**: 463382, 463383, 463384.

Somalia:

Giohar (0157N 4450E): **MZUF**: 13675 - Villabruzzi [=Villa del dottore Abruzzi] (0248N 4330E): **MZUF**: 3070.

South Sudan:

Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586752 - Yambio (0434N 2821E): **ROM**: 72096, 72097, 72100, 72104, 72105.

Tanzania:

Bukoba (01 19 54 S 31 46 44 E, 1250 m): **ZMB**: 54277 - Isamilo (International School) (02 30 30 S 32 54 23 E): **ZMA**: MAM.22305, MAM.22306 - Kamanga (ca. 02 32 02 S 32 50 20 E): **ZMA**: MAM.22307 - Kangwena (0608S 2948E, 780

m): **FMNH**: 193238 - Minziro Forest Reserve (01 04 S 31 32 E, 1161 m): **FMNH**: 192956 - no specific locality: **ZMB**: 66931, 66932 - Ujiji (0454S 2941E): **ZMB**: 10096 - Usambara [mountains]: **ZMB**: 54068, 54069, 54070.

Togo:

no specific locality: **ZMB**: 62433.

Uganda:

Unknown locality: **BMNH**: 1899.8.4.13, 1906.3.8.7, 1907.10.1.1, 1964.162, 1964.163, 1975.2796 - Bunyoro (0145N 3135E, 1219 m): **ROM**: 40153 - Bunyoro (0145N 3135E, 1372 m): **ROM**: 46519, 46520 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **FMNH**: 67930, 67931; **MHNG**: 740.002; **ROM**: 28156, 28157, 28159, 68686; **ZMB**: 66966 - Jubiya Forest (00 15 S 31 55 E): **SMF**: 41818 - Kawanda, Agriculture Research Station (002229N 323211E, 1193 m): **ROM**: 63429, 63430, 63431, 63432, 63433 - Rhino Camp (0345N 3115E): **USNM**: 166519 - Victoria Nyanza [=Lake Victoria] (ca. 01 00 S 33 00 E): **AMNH**: 28604.

Neoromicia zuluensis (Roberts, 1924)

Angola:

Nova Lisboa (1246S 1544E): **CZL**: 31.57.013 - Nova Lisboa [= Huambo] (12.88S 15.63E): **CZL**: 3157013.

Botswana:

Chobe-NP, north of Tsotsoroga Pan, Zweizwe [= Zweizwi River] Waterhole (1836S 2422E): **FMNH**: 38470; **TM**: 6553 (Holotype *Neoromicia vansoni*) - Gomoti R (19.37S 23.37E): **NHMZ**: 64077 - Nunga (18.75S 23.5E): **NHMZ**: 80197 - Tamafupi, 33 km N (19.25S 26.0E): **NHMZ**: 64096 - Tsum Tsum (19.0S 23E): **NHMZ**: 64097 - Xugana (19.08S 23.1E): **USNM**: 518655 - Xugana (1905S 2306E, 975 m): **USNM**: 518657.

Ethiopia:

Bulcha Forest (06 11 N 38 10 E, 1800 m): **SMF**: 52381 - Chamo, S bank of lake (05 50 N 37 32 E): **SMF**: 47868 - Harairobo, lake (0819N 3905E): **ZFMK**: 1977.0995, 1977.0996, 1977.0997.

Kenya:

Barberton farm (0045N 3445E): **ROM**: 91226 - Baringo, lake (0038N 3616E): **ROM**: 36365 - Base of Nguruman Escarpment, Endoposei River: **ROM**: 71409, 71410 - Buffalo Springs natural reserve (00 37 N 37 39 E): **SMF**: 48678 - Cherangani Hills (0115S 3527E): **ROM**: 78204 - Elgon, Mount (0107N 3435E): **ROM**: 65426 - Endoposei river (0145S 3602E): **ROM**: 71407, 71408, 71411, 71412, 71413, 71414, 71415, 71416 - Kakamega forest (0016N 3453E): **ROM**: 50529, 65980, 65981 - Kampi ya Samaki (0038N 3617E): **ROM**: 68568, 68569, 68570, 68571, 68572, 68574, 68604, 68605, 68606, 68607, 68608, 68675 - Kongelai: **ROM**: 102848, 102851 - Korau (0306N 3606E): **ROM**: 36349, 36350, 36351, 36352, 36353 - Lake Baringo: **ROM**: 68573 - Magadi (0153S 3618E): **ROM**: 36348 - Mtembur: **ROM**: 40244 - Nanyuki, 24 mi [=39 km] N (0022 N 37 05 E): **ROM**: 73333 - on Galole Road: **ROM**: 71304 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 75551 - Samburu Lodge, Vasio Nyiro River: **ROM**: 48701 - Sigor (01 29 00 N 35 28 00 E, 750 m): **CM**: 102186; **ROM**: 40204, 40242 - Sirmai (01 28 N 35 28 E): **ROM**: 73259 - South West Kenya, Mara River: **ROM**: 68433 - Suam river (0146N 3507E): **ROM**: 38309, 38311 - Tambalal Falls (0128N 3501E): **ROM**: 38308 - Trans-Nzoia district (0050N 3500E): **ROM**: 40246.

Malawi:

Unknown locality: **BMNH**: 1987.1130, 1987.1132, 1987.1133, 1987.1134 - Likwenu R (15.13S 35.38E): **HZM**: 5.1544 - Likwenu river (1501S 3514E): **HZM**: 5.15414 - Liwonde National Park (14 52 S 35 21 E, 700 m): **DCDH**: 2245, 2301, 2462, 2575, 3049, 3145, 3148.

Mozambique:

Chinizuia Forest (18 58 38 S 35 03 20 E): **DNSM**: 8536 - Maputo Camp (12 10 56 S 37 33 01 E): **DNSM**: 8534, 8542 - Marromeu, Coutada 1 (18.25S 35.75E): **NHMZ**: 84002 - Meponda, 6 km E (13 21 53 S 34 53 53 E, 601 m): **DNSM**: 8479 - Meponda, 6 km from (13 21 53 S 34 53 53 E, 601 m): **DNSM**: 8474, 8476 - Niassa Game Reserve (12 37 27 S 37 39 23 E): **DNSM**: 8539 - Zlnave NP (21.37S 33.87E): **NHMZ**: 63186.

Namibia:

Etaneno 44 (20.88S 16.38E): **SMW**: 7845 - Farm Ghaub 47: **LACM**: 41676 - Farm Okosongomingo 148: **LACM**: 41675 - Lianshulu (18.0S 23.25E): **SMW**: 12236 - Muckwe (18.12S 21.62E): **KM**: 1996 - Namibia Desert Research Station [= DERU] (2333S 1503E): **NHMZ**: 64058, 64060, 64061, 64062, 64063, 64064, 64065, 64067, 64069, 64070, 64071; **TM**: 27592, 27593 - Ombonde (19.55S 14.53E): **SMW**: 10918 - Ombonde Farm 616 (1933S 1432E): **CM**: 93183, 93184, 93185 - Ombu (21 40 S 15 44 E): **TM**: 9479 - Omburo [=Omburu] (21 18 00 S 16 12 00 E): **TM**: 9478 - Opuwo, S (18.7S 13.92E): **KM**: 2150 - Otjihavera (19.84S 13.88E): **SMW**: 8272 - Otjitotongwe Farm (19 36 22 S 15 04 11 E): **NMP**: pb6039 - Otjiwarongo (20.46S 16.31E): **KM**: 28210 - Otjosangombe (ca. 2021S 1755E): **MCZ**: 34898, 34899 - Outjo, NW (19.9S 15.18E): **KM**: 28211 - Rehderstal ranch: **AMNH**: 233006 - Rundu [=Grootfontein] district (ca. 1933S 1804E): **KM**: 8083, 8092, 8094 - Rundu, SE (18.1S 20.38E): **KM**: 1994; **TM**: 8083 - San Michelle (17.88S 23.38E): **SMW**: 13598 - Sesfontein (18 08 00 S 13 37 00 E, 628 m): **NMP**: pb5802 - Windhoek (22 34 12 S 17 05 01 E, 1721 m): **ZFMK**: 1971.0002, 1971.0003.

Rwanda:

Mimuli (01 27 04 S 30 15 26 E): **ZMZ**: 126640.

South Africa:

Acornhoek (2445S 3125E): **TM**: 17293 - Anthrax camp (22 25 30 S 31 12 30 E): **TM**: 36846, 37863 - Blouberg Private Nature Reserve] (23 02 S 29 07 E, 584 m): **TM**: 24087 - Boekenhoufontein (25 13 00 S 27 06 00 E): **ROM**: 70980 - Culling camp (22 25 40 S 31 15 15 E): **TM**: 37938 - Eagles Nest Farm (22 58 26 S 29 55 59 E, 1277 m): **DNSM**: 13580, 13581 - Erfplaas windmill (23 57 S 31 07 E): **TM**: 36572, 36574 - Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence (2213S 2922E): **TM**: 41408 - Farm Greefswald 37MS, Shashi-Limpopo confluence (2213S 2922E): **CM**: 105710 - Farm Hectorspruit (25 26 S 31 41 E): **TM**: 1072 - Farm Rykvoorby 96 (2528S 2603E): **TM**: 14732 - Fig Tree Camp (2225S 3111E): **CM**: 98545, 98546, 98547 - Figtree camp (22 25 50 S 31 11 50 E): **TM**: 36118, 36705, 36706, 36759, 37001, 37017, 37436, 38169, 38603 - Figtree forest, 4.8 km downstream (22 25 S 31 15 E): **TM**: 37678 - Gamafefe (24 37 05 S 27 39 08 E): **TM**: 49147 - Klipfontein, Waterberg (24.13S 28.3E): **NHMZ**: 56066 - Lapalala Wilderness Area, confluence of Palala-Koedoesloop Rivers, Farm New Belgium 608 [= RR Ranch] (2348S 2815E): **TM**: 39792, 39794, 39795 - Lebombo Ironwood forest (23 59 S 31 50 E): **TM**: 39697 - Leuvuhu River (2226S 3111E): **TM**: 36426 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 30534, 34213 - Levuvhu river (223936S 305248E): **TM**: 37905 - Limpopo province: **TM**: 48097, 48098 - Maditobepan (22 41 S 31 02 E): **CM**: 98548 - Mahagala (22 45 36 S 30 51 28 E): **NMP**: 95658 - Malibali pan (27 37 58 S 32 11 03 E, 94 m): **TM**: 35248 - Mantuma Camp (27 35 46 S 32 13 03 E, 103

m): **DNSM**: 10774, 11009 - Marloth Park (25 22 S 31 47 E, 210 m): **FMNH**: 195630, 195631, 195632, 195633, 195634 - Messina Nature Reserve (22 23 S 30 03 E): **DNSM**: 5359, 5375 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36631 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 47139, 47142, 48506, 48596 - Roodevaal Private Camp, 2 km SE (24 08 S 31 36 E): **TM**: 39684 - Shashanga windmill (22 39 S 30 59 E): **CM**: 69695, 69696; **TM**: 30672, 30673 - Sheila No. 10 (2404S 3109E): **TM**: 6457, 6458 - Skukuza, 1.5 km NW (24 59 50 S 31 36 21 E): **TM**: 39760, 39761 - Tambotieskloof, Farm 601 (23 54 00 S 27 41 00 E): **TM**: 19372 - Umfolozi Game Reserve (2819S 3150E): **TM**: 3024 (Holotype *Eptesicus zuluensis*) - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 11170 - Waterberg Game Farm (240659.472S 282317.88E): **TM**: 47094 - Waterberg Game Farm, at small man-made ponds within camp (240659S 282317E, 1410m): **TM**: 46396, 46404 - Waterberg, Farm Platbos (2413S 2752E): **TM**: 24752 - Xitangeni Windmill (22 49 38 S 31 14 25 E): **KNP**: 64B.

South Sudan:

Tonj (0715N 2845E): **ROM**: 72072 - Torit (0427N 3231E, 610 m): **FMNH**: 67488 - Torit district (ca. 042448N 323404E): **USNM**: 368921.

Swaziland:

Bhubesi Camp (2611S 3152E): **TM**: 47720 - Ebaleni (26 15 49 S 31 56 42 E): **TM**: 47719 - Mbuluzi Game Reserve (26 12 00 S 31 58 48 E, 171 m): **DNSM**: 8513 - Ndlovu Camp (26 15 35 S 31 52 37 E, 280 m): **DNSM**: 8506.

Tanzania:

Central Mpwapwa: **ROM**: 62172 - Mbeya region: **SMF**: 85546.

Uganda:

Arua: **ROM**: 40073 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 46646 - Soroti (0140N 3330E): **ROM**: 38348.

Zambia:

Chingi (1302S 2243E): **HZM**: 2.3296 - Chizera (1308S 2500E): **HZM**: 1.2328 - Lufupa camp, open woodland adjacent to flooded grassland [site 4] (14.603450S 26.189790E): **NMZL**: ECJS-43/2008, ECJS-44/2008 - Mweru Wantipa (0850S 2940E): **HZM**: 3.3449, 3.449 - Naleza (1527AD): **UZMZ**: 505 - Ndanda Dambo (14.75S 23.75E): **NHMZ**: 33271 - Ndanda School (14.75S 23.75E): **NHMZ**: 33245 - Nsefu Game Camp (1252S 3152E): **NHMZ**: 20296 - Senanza: **TM**: 11649 - Senenga, 50 km NE (15.62S 23.37E): **NHMZ**: 33162.

Zimbabwe:

Unknown locality: **ROM**: 87403 - Benzie's Bridge, Shanganl R (18.81S 27.9E): **NHMZ**: 33630 - Bubye R (22.35S 31.1E): **NHMZ**: 84193 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **BMNH**: 1908.8.16.2 - Chete, Eastern Section (17.37S 27.62E): **NHMZ**: 57448 - Chinanga Dam (17.12S 32.87E): **NHMZ**: 32493 - Chishakwe Camp, 3 km E (20.0S 32.0E): **NHMZ**: 32953 - Chishakwe Ranch (20.12S 32.12E): **NHMZ**: 33816 - Chivi (20.3S 30.52E): **NHMZ**: 30075 - Chizarira NP, Mchesu R (17.75S 27.5E): **NHMZ**: 64798 - Dwala Ranch (21.12S 29.62E): **NHMZ**: 30571 - Falcon College (20.22S 28.92E): **NHMZ**: 81513 - Frog mine (1753S 2952E): **NHMZ**: 58889 - Frog Mine, Mupfure R (17.87S 29.87E): **NHMZ**: 58888 - Gutu Mission (19.63S 31.17E): **NHMZ**: 31171 - Gwayi R Bridge (18.62S 27.1E): **NHMZ**: 29700 - Hostes Nicolle Institute: **ROM**: 83968 - Kabuba Camp, Manjolo (18.28S 28.08E): **NHMZ**: 33732 - Mafungabusi Forest (18.25S 28.75E): **NHMZ**: 30935 - Makonde Hill, Save Valley (20.0S 32.0E): **NHMZ**: 33002 - Marivalle Ranch (18.75S 29.75E): **NHMZ**: 84490 - Matobo Hills, Lumane Valley (20.58S 28.83E): **NHMZ**: 29993 - Matobo Hills, Totololo R (20.55S 28.83E): **NHMZ**: 29596 - Mberengwa Mountain (20.62S 29.92E): **NHMZ**: 30489 - Mcheni Gorge (17 40 S 27 52 E): **BMNH**: 1983.212 - Mzola Camp (18.62S 27.37E): **NHMZ**: 32665 - Nottingham Estates (22.12S 29.87E): **NHMZ**: 59302 - Nyagui R (17.37S 31.62E): **NHMZ**: 32517 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32499 - Princess Farm (19.62S 29.92E): **NHMZ**: 31755 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 30033 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 58943, 58945 - Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 87401, 87409 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 30808, 30865 - Shangani R., Mzola Camp (18.62S 27.37E): **NHMZ**: 32667 - Singama (17 36 S 27 51 E): **BMNH**: 1983.215 - Sohwe River (1637S 3052E): **NHMZ**: 82881 - Victoria Falls (17 55 00 S 25 51 00 E): **NHMZ**: 59235 - Volunteer Farm, Main Camp (18.82S 27.63E): **NHMZ**: 31964.

Neoromicia "incertae-sedis"

Angola:

Lake Calundo [= Lac Calundo] (1148S 2052E, 1150m): **MDL**: 5606.

Burkina Faso:

Unknown locality: **BMNH**: 1985.1135, 1985.1136, 1985.1137, 1985.1138, 1985.1142.

Nyctalus Bowdich, 1825

"Africa":

Unknown locality: **RMCA**: 95.003-M-0022.

Nyctalus azoreum (Thomas, 1901)

Azores (Portugal):

Unknown locality: **BMNH**: 1903.6.5.1, 1903.6.5.11, 1903.6.5.12, 1903.6.5.13, 1903.6.5.14, 1903.6.5.2, 1903.6.5.3, 1903.6.5.4, 1903.6.5.5, 1903.6.5.6, 1903.6.5.7, 1903.6.5.8, 1903.6.5.9; **SMF**: 54809 - Lake Furnas (37 45 N 25 20 W, 303 m): **USNM**: 152571 - Ribeira Grande, road to (ca. 37 49 N 25 31 W): **USNM**: 152570 - St Michael (ca. 37 47 N 25 30 W): **BMNH**: 1865.10.2.1 (Holotype *Pterygistes azoreum*) - Terceira Island (ca. 38 43 N 27 13 W): **USNM**: 306299, 60645.

Portugal:

São Miguel Island (ca. 37 47 N 25 30 W): **MNHN**: ZM-MO-1985-679; **USNM**: 122490.

Nyctalus lasiopterus (Schreber, 1780)

Morocco:

Moulay Abdeslam, 5 km W (35 19 N 05 34 W): **EBD**: MAM 15374.

Nyctalus leisleri (Kuhl, 1817)

"Africa":
Unknown locality: **MNHN**: ZM-MO-1920-69, ZM-MO-1983-477, ZM-MO-1983-479, ZM-MO-1991-382.

Azores (Portugal):
Unknown locality: **BMNH**: 1903.6.5.10.

Madeira (Portugal):
Madeira (32 44 N 17 00 W): **MNHN**: ZM-MO-1959-170, ZM-MO-1959-171 - Unknown locality (32 44 00 N 17 00 00 W): **BMNH**: 1907.1.1.392 (Holotype *Pterygistes madeiræ*).

Morocco:
Ain Chkef, Junto camping (33 57 48 N 05 01 11 W, 508 m): **EBD**: MAM 13782, MAM 13783, MAM 13784, MAM 13785, MAM 13786, MAM 13787, MAM 13788, MAM 13789 - Bekrite (33 04 48 N 05 12 36 W, 1793 m): **NMP**: 90034, 94537, 94538 - Derdara (35 06 37 N 05 17 25 W, 381 m): **NMP**: 93582 - Moulay Abdeslam, 5 km W (35 19 N 05 34 W): **EBD**: MAM 15301, MAM 15302, MAM 15303, MAM 15304, MAM 15305, MAM 15306, MAM 15340, MAM 15342, MAM 15351, MAM 15361, MAM 15362, MAM 15366, MAM 15408, MAM 15409, MAM 15410, MAM 15411, MAM 15412, MAM 15413, MAM 15414, MAM 15510, MAM 15511, MAM 15512, MAM 15513, MAM 16786, MAM 16787, MAM 16788 - Oued el-Ammar (34 06 00 N 04 33 36 W): **NMP**: 90100, 90101, 90102 - Souk-Khemis-des-Beni-Arouss (35 18 25 N 05 37 46 W): **NMP**: 90026.

Nycticeinops schlieffenii (Peters, 1859)

"Africa":
Unknown locality: **BMNH**: 1932.7.4.63; **MNHN**: ZM-MO-1985-864, ZM-MO-1985-865, ZM-MO-1985-866; **NHMZ**: 64175; **ZMA**: MAM.26220; **ZMB**: 6597, 6598.

Benin:
Angaradébou (11 19 23 N 03 02 22 E): **ZMA**: MAM.23346 - Bimbereke (1014N 0240E, 449 m): **USNM**: 421399, 421400.

Botswana:
Unknown locality: **BMNH**: 1933.9.6.5 - Chobe NP, Kasane (17.8S 25.15E): **NHMZ**: 63198 - Chobe-NP, Tsotsoroga Pan (1843S 2421E): **AMNH**: 83632; **FMNH**: 38463, 38464, 38465, 38466, 38467, 38468, 38469; **TM**: 6550 (Holotype *Scoteinus schlieffenii fitzsimonsi*), 6551 (Cotype *Scoteinus schlieffenii fitzsimonsi*), 6552 - Mopipi (21.0S 24.75E): **NHMZ**: 64035 - Mumpswe Pan (20.2S 25.87E): **NHMZ**: 64028 - Nata R (19.75S 26.75E): **NHMZ**: 60500 - Nitani (220748S 290748E): **TM**: 47494 - Nthane (2122S 2622E): **NHMZ**: 64032 - Nunga (18.75S 25.5E): **NHMZ**: 64034 - Pom Pom (19.5S 22.75E): **NHMZ**: 59224 - Shakawe, 70 km SW (18 33 S 21 01 E): **USNM**: 425350 - Tsohorogo: **MCZ**: 29693 - Xugana Island (1905S 2306E): **AMNH**: 269188 - Xugana, 13 mi [=17 km] N (1857S 2253E, 975 m): **USNM**: 518673, 518674, 518675, 518676 - Xugana, 17 km N (18.9S 23.1E): **USNM**: 518646.

Burkina Faso:
Unknown locality: **SMF**: 61001, 61002, 61003, 61004, 61005, 61006, 63530 - Djipologo (1056N 0307W): **USNM**: 468190 - Goden (12 12 00 N 02 04 00 W, 308 m): **RMCA**: 97.077-M-3167, 97.077-M-3168; **USNM**: 450696, 450697 - Gorgadji, 17 km E (1402N 0022W): **USNM**: 452880, 452881, 452882 - Kossi province: **SMF**: 60998, 60999, 61000 - Markoye, 30 km N (1454N 0004E): **USNM**: 452879 - Ougarou (1210N 0056W): **USNM**: 452883, 452884, 452885 - Oursi (14 40 36 N 00 27 19W, 266 m): **MNHN**: ZM-MO-1998-1070.

Cameroon:
Kousri (12 04 37 N 15 01 50 E, 271 m): **MNHN**: ZM-MO-1905-51 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0589, 73.015-M-0590, 73.015-M-0591, 73.016-M-0310 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0286.

Central African Republic:
Bamingui-Bangoran National Park (0755N 2015E, 469 m): **BMNH**: 1981.239.

Chad:
Fort Lamy (12 06 47 N 15 02 57 E): **MNHN**: ZM-MO-1985-1039, ZM-MO-1985-1040 - Fort Lamy (120647N 150257E, 298 m): **USNM**: 268497.

Congo:
Inhumbane: **BMNH**: 1906.11.8.20.

Congo (Democratic Republic of the):
Aketi (02 50 N 23 56 E, 500 m): **UNIKIS**: AKETI601, AKETI602 - Bagunda (04 04 00 N 29 35 00 E, 990 m): **INPBC**: 2751; **RBINS**: 13870; **RMCA**: 36888 - Bas Congo (former) province (ca. 050000S 150000E): **RMCA**: 65b - Dikul River (ca. 10 45 00 S 25 22 00 E): **BMNH**: 1907.12.13.3, 1907.12.13.4 - Gangala na Bodio (034100N 290800E, 701 m): **RBINS**: 13868 - Kabenge (09 01 13 S 26 44 55 E, 788 m): **RBINS**: 10719, 10720, 10721, 10722 - Katanga (ca. 10 00 S 27 30 E): **RMCA**: 18177 - Kateke (09 04 S 26 43 E): **RBINS**: 10714, 10715 - Lufira River, upper (ca. 10 54 27 S 26 59 42 E): **BMNH**: 1907.12.13.5, 1907.12.13.6 - Luluabourg (055345S 222504E, 608 m): **BMNH**: 1926.7.6.112 - Mabwe (08 39 00 S 26 31 00 E, 574 m): **RBINS**: 10716, 10717 - Masombwe (09 05 00 S 27 12 00 E, 1163 m): **RBINS**: 10798 - Munoi (08 45 S 26 46 E): **RBINS**: 10718 - Musosa, near (08 22 S 29 38 E): **RBINS**: 14514, 14515.

Côte d'Ivoire:
Unknown locality: **FMNH**: 58914.

Egypt:
Unknown locality: **BMNH**: 1905.12.8.16 - Cairo, 20 km S (ca. 30 03 N 31 15 E): **ZMB**: 585 (Holotype *Nycticejus Schlieffenii*) - Suez (29 58 00 N 32 33 00 E, 2 m): **SMF**: 11956.

Ethiopia:
Unknown locality: **BMNH**: 1970.2261, 1972.4419 - Abyssinia: **MNHN**: ZM-MO-1985-1044, ZM-MO-1985-1045; **ZMB**: T09584 - Amjale (12 30 N 35 38 E, 535 m): **ZMMU**: S-189583, S-189584, S-189585, S-189586, S-189587, S-189588 - Aselle [= Aseita] (0800N 3900E): **USNM**: 462758, 462759 - Awash (09 00 N 38 58 E): **BMNH**: 1971.675 - Bermil (12 23 N 35 44 E, 562 m): **ZMMU**: S-189589, S-189590, S-189591, S-189592, S-189593 - Gambela (08 15 N 34 35 E, 514 m): **USNM**: 520903 - Gelego (12 14 N 35 53 E, 650 m): **ZMMU**: S-189581, S-189582 - Grara (12 21 N 35 44 E, 560 m): **ZMMU**: S-189594, S-189595 - Megenagne (12 12 N 35 40 E, 564 m): **ZMMU**: S-189596, S-189597 - Melka Were (0919N 4007E, 810 m): **ROM**: 71955, 71956, 71957, 71966, 71987, 71995, 72007, 72008, 72009, 72020.

Ghana:
Unknown locality: **BMNH**: 1899.6.15.5, 1899.6.15.6.

Kenya:

Unknown locality: **BMNH**: 1911.12.1.7, 1911.12.1.8, 1912.7.1.18, 1912.7.1.19, 1912.7.1.20, 1973.116, 1975.2571, 1975.2572, 1975.2573, 1975.2574, 1975.2574_1, 1975.2574_2, 1975.2574_3, 1975.2574_4, 1975.2574_5, 1975.2574_6, 1975.2575, 1975.2576, 1975.2577, 1975.2578, 1975.2579, 1975.2943, 1975.2945_1, 1975.2945_2, 1975.2945_3, 1989.248 - Archer's Post (0039N 3741E): **USNM**: 184361, 184362 - Central island (03 30 N 36 02 E, 381 m): **FMNH**: 152740 - Eastern [former] province: **CM**: 97998 - Guaso Nyiro (0035N 3732E): **USNM**: 182685 - Kabarsera (0056N 3552E, 762 m): **USNM**: 548509, 548535 - Kampi Ya Samaki (003600N 360100E, 900 m): **ROM**: 68575, 68576, 68577, 68578 - Kaputir (0205N 3529E): **ROM**: 40226 - Kaputir (0205N 3529E, 750 m): **ROM**: 40228 - Kilifi (0338S 3951E, 61 m): **ROM**: 36376 - Lake Bilisa (021401S 400758E): **ROM**: 71335, 71336 - Lake Hannington (00 15 32 N 36 06 16 E, 1500 m): **WAM**: M16528 - Lake Magadi (0152S 3617E, 610 m): **ROM**: 40337 - Lakiundu River: **USNM**: 182684, 184363, 184365, 184366 - Lodwar (030700N 353600E, 477 m): **AMNH**: 212342 - Loiya (025919N 350152E): **ROM**: 73262 - Magadi (0153S 3618E): **ROM**: 36377 - Magadi (0153S 3618E, 595 m): **ROM**: 71106, 71107 - Maji Moto (0013N 3606E): **USNM**: 436770, 436771, 436772, 436773, 436774, 436775 - Marsabit road (0220N 3759E): **USNM**: 182686, 184356, 184357, 184358, 184359 - Meru River: **MCZ**: 8272 (Holotype *Nycticeius africanus*) - Mount Lolokwi (004941N 373156E): **USNM**: 182687, 182688, 184334 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 74511 - Ngambo (0030N 3605E, 1036 m): **ROM**: 75459 - Nguruman Escarpment (0145S 3602E): **ROM**: 71419, 71420 - Nguruman Escarpment (0145S 3602E, 610 m): **ROM**: 71373 - Nyama Yango (0054N 3735E): **FMNH**: 152743, 152744 - Nyangala hill (0337S 3844E): **ROM**: 71237, 71238, 71239, 71240, 71241 - on Galole Road (013013S 400144E): **ROM**: 71303, 71308, 71309 - Ramu (035515N 411309E, 549 m): **ROM**: 75616 - Samokitok (ca. 013934S 354034E, 750 m): **ROM**: 40289 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 38341, 40232 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152741, 152742 - Takabba, 64.7 km WSW (0322N 3945E, 853 m): **ROM**: 68196 - Voi, 30 km SE (0334S 3846E): **ROM**: 77509 - Wajir (014450N 400326E): **CAS**: 11949 - Wei Wei River (013500N 353100E): **BMNH**: 1914.7.31.14.

Madagascar:

Mistinjo: **MNHN**: ZM-MO-1985-1036, ZM-MO-1985-1037, ZM-MO-1985-1038.

Malawi:

Chiromo (16 33 00 S 35 08 00 E, 42 m): **KU**: 79316, 79317 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420 m): **MVZ**: 220910.

Mali:

Adrar des Iforas (20 00 N 02 00 E): **MNHN**: ZM-MO-1987-238 - Dialagou (14 32 02 N 04 07 57 W, 271 m): **MNHN**: ZM-MO-1984-1322, ZM-MO-1984-1323.

Mauritania:

Unknown locality: **MNHN**: ZM-MO-1911-1554, ZM-MO-2001-1693 - Aleg, 3 km S (17 02 N 13 55 W): **USNM**: 401427, 401428, 479497, 479498 - Boghé, 8 km N (16 39 N 14 17 W): **USNM**: 401426 - Boutilimit (17 32 48 N 14 41 40 W, 50 m): **MNHN**: ZM-MO-1913-662 A, ZM-MO-1913-662 B, ZM-MO-1913-662 C, ZM-MO-1913-662 D, ZM-MO-1913-662 E, ZM-MO-1913-662 F, ZM-MO-1913-662 G, ZM-MO-1913-662 H, ZM-MO-1913-662 I, ZM-MO-1913-662 J, ZM-MO-1913-662 K, ZM-MO-1913-662 L, ZM-MO-1913-662 M, ZM-MO-1913-662 N, ZM-MO-1913-662 O, ZM-MO-1913-662 P, ZM-MO-1913-662 Q, ZM-MO-1913-662 R, ZM-MO-1913-662 S, ZM-MO-1913-662 T, ZM-MO-1913-662 U, ZM-MO-1913-662 V, ZM-MO-1913-662 W, ZM-MO-1913-662 X, ZM-MO-1913-662 Y, ZM-MO-1913-662 Z, ZM-MO-1913-662 ZA - Dar-el-Salam: **MNHN**: ZM-MO-1997-2104 - Passe de Soufa (15 56 14 N 12 01 19 W): **USNM**: 401429, 401430 - Rosso (163037N 155451W, 45 m): **USNM**: 401422 - Tiguent (17 14 25 N 16 05 16 W, 20 m): **USNM**: 401423, 401424, 401425, 479496.

Mozambique:

Buzi River (19 55 40 S 33 49 42 E): **DNSM**: 8495 - Caia Lodge (17 50 50 S 35 19 23 E): **DNSM**: 8487 - Chicoa, 20 km ESE (15.7S 32.53E): **USNM**: 365402 - Chicona, 14 mi ESE: **USNM**: 365403 - Chiutu (15.57S 33.28E): **USNM**: 365404 - Cruz Dabacua Setache, Zinave (21.0S 33.5E): **NHMZ**: 63192 - Envirotrade site (18 58 42 S 34 10 33 E): **DNSM**: 11508 - Magude-Mapulenguene (24.94134S 32.54862E): **DNSM**: 9852 - Mague [= Mphende] (15.82S 31.73E): **USNM**: 365405 - Malucas (21.75S 33.25E): **NHMZ**: 63197 - Maputo Camp (12 10 56 S 37 33 01 E): **DNSM**: 8485 - Massangena (21 33 18 S 32 57 38 E, 115 m): **DNSM**: 8490 - Mungari, 5 km N (17 10 00 S 33 33 00 E, 500 m): **USNM**: 365406, 365407 - Niassa Game Reserve (12 37 27 S 37 39 23 E): **DNSM**: 8486 - Nkuli Camp (12 10 09 S 038 14 34 E): **DNSM**: 8489 - Save River, south of bridge on EN1 (21 10 33 S 34 44 47 E, 52 m): **DNSM**: 9377 - Tete (1610S 3335E, 700ft): **TM**: 41045 - Tete (1633Ba, 650ft): **TM**: 1089 - Zinave NP (21.37S 33.87E): **NHMZ**: 63194 - Zinave NP, 3 km SSW (21.39S 33.89E): **NHMZ**: 63196 - Zinave NP, 9 km SSW (21.43S 33.93E): **NHMZ**: 63195.

Namibia:

Cunene Falls (3350 ft): **BMNH**: CN1264, CN1276 - Ehomba (1735S 1355E, 800 m): **FMNH**: 48721 - Eindopaal (19.38S 15.63E): **SMW**: 8099 - Kaoko Otavi (1818S 1346E): **TM**: 11255 - Kaoko Otavi (1818S 1346E, 1370 m): **FMNH**: 48715, 48716 - Katima Mulilo (17.5S 24.33E): **KM**: 1936 - Muckwe (18.12S 21.62E): **KM**: 1935 - Numkaub (18.6S 19.68E): **USNM**: 304843 - Okorosave (1811S 1350E, 1360 m): **FMNH**: 48717, 48718, 48719, 48720 - Ombonde (19.55S 14.53E): **SMW**: 10925 - Opuwo (18.18S 13.83E): **KM**: 1916 - Opuwo, E (18.2S 13.67E): **KM**: 1927 - Opuwo, N (17.33S 13.83E): **KM**: 1934, 1937 - Opuwo, S (18.7S 13.92E): **KM**: 1932 - Opuwo, SE (18.63S 14.15E): **KM**: 1925 - Outjo, NW (19.9S 15.18E): **KM**: 28212 - San Michelle (17.88S 23.38E): **SMW**: 13612.

Niger:

Bilma (13 53 16 N 08 43 27 E, 493 m): **MNHN**: ZM-MO-1985-509 - Bourem (13 25 00 N 11 29 30 E): **MNHN**: ZM-2006-250 - Niamey (1331N 0207E, 207 m): **MNHN**: ZM-2006-148.

Nigeria:

Unknown locality: **BMNH**: 1908.10.6.12 - Mokwa (0917N 0503E, 87 m): **ROM**: 77714.

Senegal:

Dalaba (12 45 N 13 16 W): **IVB**: S527 - Dar Salam (13 15 N 13 12 W): **IVB**: S1378, S657 - Dindéfélo – next to the stream (12 22 N 12 19 W): **IVB**: S843 - Diourbel (14 39 46 N 16 23 33 W, 23 m): **MNHN**: ZM-MO-1995-1830 - Mbout [=Mbeute] (1447N 1710W): **ZMB**: 41342, 41343, 41344, 41345, 41346, 41347, 41359, 41360 - Niériko (13 21 N 13 21 W): **IVB**: S1793 - Niokolo (13 04 N 12 43 W): **IVB**: S1714 - Ranerou (1518N 1358W, 35 m): **USNM**: 410808 - Tambacounda (13 46 N 13 39 W, 61 m): **IVB**: S941, S946.

Somalia:

Unknown locality: **BMNH**: 1907.5.29.1, 1910.10.3.2, 1910.10.3.3, 1910.10.3.4, 1910.10.3.5, 1910.10.3.6, 1987.86 - Snai Sugar Plantation (02 46 N 45 31 E): **BRTC**: 41941.

South Africa:

Unknown locality: **ZMA**: MAM.01960 - Anthrax camp (22 25 30 S 31 12 30 E): **KNP**: 143; **TM**: 36638, 36639, 36640, 36641, 36642, 36819, 36820, 36821, 36840, 36841, 36843, 36844, 36845, 36907, 36908, 37128, 37129, 37130 - Anthrax camp (222530S 311230E): **TM**: 36842 - Anthrax camp (2225S 3112E): **TM**: 35842 - Bobomeni research camp [=Bobomene] (22 25 18 S 31 12 49 E): **KNP**: 178; **TM**: 42000, 42001 - Byaxixi (23 22 22 S 31 10 03 E): **KNP**: 14 - Crocodile River (2429S 3130E): **TM**: 39787, 39788 - Culling camp (22 25 40 S 31 15 15 E): **TM**: 36694, 36695, 36696, 36697, 36698, 36699, 36700, 36701, 36702, 36703, 37715 - Erfplaas windmill (2357S 3107E): **TM**: 36563, 36565, 36566 - Farm Al-te-ver 103 (2246S 2828E): **TM**: 26672 - Farm Evergreen (2229Ca): **TM**: 32295 - Farm Hilda [=V.L.NR.] (2229S 2913E): **TM**: 45376 - Farm Othawo 242, Sabie Sand Private Nature Reserve (2445S 3126E): **TM**: 24940, 24942 - Farm Regina 68 [=V.L.N.R.] (222248S 291612E): **TM**: 45369 - Fig Tree Camp (22 26 00 S 31 11 00 E): **AMNH**: 257405, 257406, 257407, 257408 - Figtree camp (222550S 311150E): **TM**: 36112, 36113, 36114, 36116, 36558, 36559, 36607, 36614, 36617, 36737, 36738, 36739, 36740, 36741, 36742, 36743, 36744, 36745, 36746, 36747, 36922, 36923, 36924, 36925, 36933, 36946, 36947, 36948, 37002, 37003, 37004, 37005, 37006, 37007, 37268, 37269, 37270, 37271, 37429, 37430, 37431, 37432, 37433, 37434, 37435, 37657, 37658, 37659, 37660, 38145, 38146, 38147, 38148, 38835, 38836, 38837, 38840, 39461, 39462 - Figtree forest (22 26 S 31 11 E): **TM**: 37121, 37122, 37123, 37125, 37126, 37127 - Figtree forest (2225S 3115E): **TM**: 37676, 37694, 37695, 37696 - Gwalali Army camp (2224S 3117E): **TM**: 36973, 36974, 36975, 36976 - Hans Merensky Nature Reserve (2340S 3041E): **TM**: 24598, 41111, 41112 - Hectorspruit (25 26 00 S 31 41 00 E, 245 m): **SAMC**: 10114 - Klaserie Private Nature Reserve (2412S 3111E): **TM**: 45506 - Langjan Provincial Nature Reserve (224948S 291200E): **TM**: 41300 - Lebombo Ironwood forest (23 59 S 31 50 E): **TM**: 39692, 39693, 39694, 39695, 39696 - Letaba Highwater Bridge (23 48 40 S 31 34 56 E): **AMNH**: 257398; **TM**: 39572 - Letaba Rest Camp, 1 km SE (23 51 43 S 31 34 47 E): **TM**: 39576, 39577, 39578, 39579 - Letaba, 5 km E (23 51 13 S 31 38 04 E): **AMNH**: 257399 - Letaba, 8 km SE (23 54 34 S 31 37 37 E): **AMNH**: 257401, 257402; **TM**: 39616, 39617 - Leuvuhu River (2226S 3111E): **TM**: 36115, 36425, 36438, 36442, 36443, 36451, 36452, 36453, 36454, 36455, 36456, 36457 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 30476, 30477, 30478, 30479, 30480, 30481, 30482, 30483, 30484, 30500, 30501, 30502, 30503, 30515, 30526, 30537, 30538, 30539, 30541, 34171, 34172, 34173, 34174, 34176, 34177, 34178, 34179, 34180, 34187, 34188, 34189, 34194, 34195, 34196, 34198, 34199, 34211, 34224, 34226, 34227 - Levuvhu River, opposite Shilawee stream (2226S 3111E): **TM**: 38715 - Maditobe [= Witsand] Dam (22 41 S 31 02 E): **TM**: 39471, 39472, 39473, 39474, 39475, 39476, 39485, 39486, 39488, 39489, 39490, 39491, 39494, 39495 - Magamba windmill (22 25 00 S 31 11 30 E): **TM**: 37224, 37225 - Mahogany Drive (22 40 36 S 31 01 07 E): **KNP**: 122; **TM**: 29915 - Malibali hide (27 37 58 S 32 11 03 E, 94 m): **DNSM**: 9518, 9519 - Manditobe dam (22 41 S 31 02 E): **TM**: 37292, 37293, 37294 - Manxeba windmill (22 24 S 31 14 E): **TM**: 37131, 37132, 37232, 37280, 37722, 37723, 37724, 37725, 37726, 37727, 37728, 37729, 37730, 38156, 38157, 38158, 38159, 38160, 38161 - Marloth Park (25 22 S 31 47 E, 210 m): **FMNH**: 195621, 195622, 195623, 195624, 195625, 195626, 195627 - Matukwala Dam (22 40 56 S 30 57 46 E): **TM**: 29943 - Matukwaladam (22 40 56 S 30 57 46 E): **TM**: 29924 - Mbangari Crevice (24 14 15 S 31 37 51 E): **KNP**: 69 - Messina Nature Reserve, banks of the Sand River (222512S 300448E): **TM**: 44206 - Mkuzi Game Reserve (27 39 00S 32 14 30 E, 62 - 457 m): **DNSM**: 5401 - Msinga pan (27 47 S 32 12 E): **TM**: 35321 - Ndumu Game Reserve (2653S 3215E): **TM**: 35208, 35210, 35231 - Nhlanganindam. [see Nhlanganini dam, see also: Hlanganini dam] (23 55 18 S 31 31 05 E): **AMNH**: 257400 - N'Wambu Windmill (23 22 10 S 31 19 08 E): **KNP**: 12, 13 - Old Culling camp (2225S 3115E): **TM**: 37203 - Old Figtree forest (2225S 3111E): **TM**: 42005 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 36424, 36531, 36532, 36533, 36534, 36535, 36633, 36634, 36635, 37065, 37066, 37067, 37077, 37078, 37079, 37080, 37085, 37086, 37087, 38152 - Olifants Rest Camp, 7 km W (2401S 3139E): **TM**: 39604, 39605 - Olifants, 7 km W (2401S 3139E): **AMNH**: 257403, 257404 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 47136, 47138, 47140, 47141, 47145, 48498, 48500, 48501, 48502, 48546, 48547, 48548, 48549, 48550, 48551, 48568, 48569 - Pafuri,Figtree Forest, downstream (2225S 3115E): **TM**: 37450 - Punda Maria Rest Camp (22 41 00 S 31 01 00 E): **KNP**: 32 - Punda Maria, 15 km E (22 41 S 31 02 E): **AMNH**: 257409 - Punda Milia (22 41 51 S 31 01 12 E, 580 m): **TM**: 30655 - Punda Milia Camp (22 41 51 S 31 01 12 E, 580 m): **TM**: 7092 - Rhenosterkoppies (25 07 38 S 31 36 06 E): **TM**: 39724, 39725 - Roodevaal Private Camp, 2 km SE (2408S 3136E): **AMNH**: 257410, 257411, 257412; **TM**: 39686, 39687, 39688, 39689 - Sabie river bank (24 58 03 S 31 40 12 E): **TM**: 42086 - Sabie River, north bank (24 59 07 S 31 37 18 E): **TM**: 39700, 39701, 39702 - Shashanga windmill (2240S 3059E): **TM**: 30678, 30679, 30680, 30681, 30682, 30683, 30684 - Sikangwana: **TM**: 7777 - Skukuza (24 59 00 S 31 36 00 E, 240 m): **TM**: 30071, 30073 - Skukuza, 1.5 km NW (24 59 50 S 31 36 21 E): **TM**: 39764, 39765, 39766 - Stangene Dam (2248S 3117E): **TM**: 30555 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 8738, 9180 - WNLA Dam (2427S 3158E): **TM**: 39656.

Sudan:

Unknown locality: **BMNH**: 1901.5.5.79; **SMF**: 33142, 60258 - Kamisu: **BMNH**: 1915.3.6.66 - Khor Mallum (1255N 2506E, 2900 ft): **USNM**: 304847 - Port Sudan (19 36 57N 37 12 59 E, 62 m): **SMF**: 33143 - Rheika (10 41 N 30 00 E): **SMF**: 33137, 33138, 33139, 33140, 33141 - Semeih (12 43 N 30 50 E, 472 m): **SMF**: 33144, 33145 - Tadoro (10 41 26 N 30 01 13E, 650 m): **SMF**: 33135, 33136, 33146 - Telaweit (1524N 3625E): **FMNH**: 99553 - Upper White Nile: **ZMB**: 5302.

Swaziland:

Mlawula Nature Reserve (26 12 S 32 01 E, 760 m): **TM**: 44897 - Mlawula Nature Reserve, site 1 (26 10 49 S 32 02 57E): **TM**: 47741 - Ndlovu Camp (26 15 35 S 31 52 37 E, 280 m): **DNSM**: 8424 - Python Pool (ca. 26 11 30 S 32 00 18 E): **DNSM**: 9866 - Siphiso campsite (26 12 34 S 32 00 02 E): **DNSM**: 5845, 5846.

Tanzania:

Unknown locality: **BMNH**: 1964.1781, 1975.2944 - Ikau: **HZM**: 5.2120 - Langenburg [=?Ikombe] (09 31 S 34 05 E): **ZMB**: 54260, 54261, 54262 - Pwani region: **SMF**: 62860 - Usandawe [=Sandawe] (0515S 3520E, 1200 m): **ZMB**: 11405.

Togo:

no specific locality: **RMCA**: 73.013-M-0916; **ZMB**: 54450 - Paio (10 14 00 N 00 43 00 E, 146 m): **RMCA**: 73.009-M-0422 - Péwa (09 17 00 N 01 14 00 E, 618 m): **USNM**: 437768, 437769.

Uganda:

Unknown locality: **BMNH**: 1936.11.4.10 - Soroti (0140N 3330E, 914 m): **ROM**: 38351, 38354 - Tororo (004105N 341052E, 1185 m): **CAS**: 24742.

Zambia:

Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115906, 115907, 115908; **KM**: 1913 - Jumbe (1317S 3205E): **NHMZ**: 20135 - Kabompo Boma (133600S 241200E, 1027 m): **NHMZ**: 10369 - Kafue NP, Chunga (15.13S 25.88E): **NHMZ**: 64052 - Luangwa Valley, Petauke (14.05S 31.08E): **KM**: 9662 - Lufupa camp [site 1] (14 36 51 S 26 11 18 E): **NMZL**: ECJS-01/2008, ECJS-02/2008 - Lufupa camp [site 2] (14 36 56 S 26 11 27 E): **NMZL**: ECJS-16/2008, ECJS-25/2008 -

Lundazi (12.3S 33.2E): **HZM**: 25.11536 - Lutembue river E.: **AMNH**: 218969 - Mfuwe Game Camp (1305S 3147E): **NHMZ**: 22783, 22783A, 22784, 22784A, 22790 - South Luangwa Valley, Mfuwe (13.08S 31.78E): **NHMZ**: 33492.

Zimbabwe:

Unknown locality: **BMNH**: 1909.12.4.4, 1909.12.4.5, 1909.12.4.6, 1952.1533, 1952.1534, 1955.1118 - Chete, Eastern Section (17.37S 27.62E): **NHMZ**: 57452 - Chikwarakwara (22.35S 31.1E): **NHMZ**: 60475 - Chinanga Dam (17.12S 32.87E): **NHMZ**: 32506 - Chiredzi Research Station (21.02S 31.57E): **NHMZ**: 60502 - Chishakwe Camp, 2 km E (20.0S 32.0E): **NHMZ**: 32938 - Chisuma, Dibutibu R. (18.0S 26.0E): **NHMZ**: 30558 - Chitowe Camp, Runde R (21.25S 32.25E): **NHMZ**: 60509 - Chizarira NP, Mucheni Gorge (17.5S 27.75E): **NHMZ**: 51451 - Chori Dam (16.75S 32.5E): **NHMZ**: 84321 - Dwala Ranch (21.12S 29.62E): **NHMZ**: 30619 - Fortune's Gate (20.12S 28.58E): **NHMZ**: 33894 - Gokwe (18 13 00 S 28 56 47 E): **NHMZ**: 60488 - Gonarezhou NP, Mabalauta (21.93S 31.47E): **NHMZ**: 55652, 556S4 - Gonarezhou NP, Nyabungwe Camp (21.25S 32.0E): **NHMZ**: 61968 - Guluene (21.37S 31.87E): **NHMZ**: 6648S - Gwaai Reserve, Nata R (19.75S 26.75E): **NHMZ**: 5331 - Hippo Valley, Kutanga Estates (21.12S 31.87E): **NHMZ**: 60494 - Hostes Nicoll Research Institute (1810S 2813E): **ROM**: 84017, 84018 - Humane Ranch (2031S 3216E, 411 m): **ROM**: 65110 - Humani Ranch (20.25S 32.25E): **NHMZ**: 81867 - Kanyemba (15.65S 30.33E): **NHMZ**: 60477 - Katombora Rapids (17.88S 25.33E): **NHMZ**: 60689 - Kwizizi R, Deka Valley (18.43S 26.32E): **NHMZ**: 33757 - Lake Kariba, Gatshe Gatshe Bay (16.87S 28.87E): **NHMZ**: 31325 - Limpopo R (22.32S 30.67E): **NHMZ**: 60496 - lngwe Safari (18.42S 26.31E): **NHMZ**: 33766 - Lomagundi (16.0S 30.25E): **NHMZ**: 60495 - Lone Star Ranch (21.12S 31.87E): **NHMZ**: 58813, 60523 - MacDougall's Tunnel (21.12S 31.37E): **NHMZ**: 60516 - Malugwe Pan (21.62S 31.87E): **NHMZ**: 60492 - Mana Pools NP (15.8S 29.33E): **NHMZ**: 60501 - Matetsi SA, HQ (18.5S 25.75E): **NHMZ**: 67367 - Matetsi SA, Tshope vlei (18.62S 25.87E): **NHMZ**: 31582 - Mazoe R (16.7S 32.78E): **NHMZ**: 60497 - Mutare Museum (18 58 16 S 32 40 02 E): **NHMZ**: 60480 - Muzarabani, Arda Office (16.37S 30.12E): **NHMZ**: 29758 - Mzola Camp (18.61S 27.37E): **NHMZ**: 32622 - Nottingham Estates (22.12S 29.87E): **NHMZ**: 59301 - Nuanetsi Ranch Headquarters (213001S 304738E): **ROM**: 64904 - Nungu Dam (2117S 3037E): **ROM**: 64913, 64937 - Nyadire River Camp (16.75S 32.25E): **NHMZ**: 84280 - Nyagui R (17.37S 31.62E): **NHMZ**: 32504 - Nyamandhlovu (19.75S 28.25E): **NHMZ**: 32844 - Nyandia Dam (17.0S 32.0E): **NHMZ**: 84245 - Nyanumi River (16 52 30 S 28 37 30 E): **NHMZ**: 58466 - Nyashato Dam (17.12S 32.12E): **NHMZ**: 32507 - Pesu R Gorge (22.28S 31.2E): **NHMZ**: 84095 - Ruenya R (17.25S 32.75E): **NHMZ**: 60498 - Sabi-Lundi River, S junction (2118S 3224E): **TM**: 10753 - Save Valley, Makonde Hill (20.0S 32.0E): **NHMZ**: 32975 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 60503 - Sengwa Wildlife Research Station (1810S 2813E): **DNSM**: 3691; **TM**: 34863, 34888, 34948, 34949, 34968, 34969 - Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 87396 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 30668, 30832, 9889 - Sentinel Ranch, Limpopo River (22 15 S 31 20 E): **DNSM**: 72, 75 - Shambayetu Farm (21.75S 29.5E): **NHMZ**: 57624 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 60484 - Tshakabika (18.5S 26.25E): **NHMZ**: 60479 - Tuli Safari Area (21.75S 29.0E): **NHMZ**: 83880 - Victoria Falls (17 55 00 S 25 51 00 E): **NHMZ**: 59236 - Victoria Falls, Zambezi Camp (17.92S 25.83E): **NHMZ**: 54146 - Westwood Lodge (17 55 00 S 25 32 00 E): **NHMZ**: 30775 - Zambezi R (16.75S 28.75E): **NHMZ**: 31377.

Otonycteris hemprichii Peters, 1859

"Africa":

Unknown locality: **MNHN**: ZM-MO-1984-1245, ZM-MO-1984-1246, ZM-MO-1984-1247, ZM-MO-1984-1249.

Algeria:

Unknown locality: **ISEA**: 1122 - Abadla (3101N 0244W, 588 m): **ISEA**: 9594, 9595; **MUB**: A494, A495 - Algiers (36 45 47 N 03 03 02 E, 0 m): **ZMB**: 74754, 74757, 74759, T10436 - Béni Abbès (30 08 00 N 02 10 00 W, 470 m): **MNHN**: ZM-MO-1984-1250 - Benni Abbes (300800N 021000W, 470 m): **ISEA**: 9593 - Brezina (330559N 011525E, 825 m): **ISEA**: 9592 - Djanet (24 34 N 000 09 23 E, 1116 m): **MNHN**: ZM-MO-1983-501, ZM-MO-1983-502, ZM-MO-1985-1923 - El Goléa (3034N 0253E, 423 m): **MNHN**: ZM-MO-2000-372 - Ouargla (315727N 051940E, 149 m): **BMNH**: 1919.7.7.1213; **MSNG**: 46325 - Touareg Sahara: **MNHN**: ZM-MO-1984-1239, ZM-MO-1984-1240, ZM-MO-1984-1241, ZM-MO-1984-1242, ZM-MO-1984-1243, ZM-MO-1984-1244, ZM-MO-1984-1248.

Egypt:

Unknown locality: **FMNH**: 85710; **SAMA**: M4398; **SMF**: 40649; **USNM**: 312816 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 144036, 144037, 144038, 144039, 144040, 144041, 144042, 74480, 74481, 74482, 74483, 74484, 75052, 75053, 75054, 75055, 77199, 79207, 79208, 79209, 79210, 79221, 79222, 79223, 79224, 79225, 80785, 80786, 80788, 80789, 80790, 80791, 80792, 80793, 80795, 80797, 80798, 84636, 84682, 84683, 84684, 84685, 84686, 84687, 87769, 89388, 89389, 89390, 89391, 89392, 89393, 89394, 89793, 89794, 89795, 89796, 89797, 89798, 89799, 89800, 89801, 89802, 89803, 89804, 89805, 89806, 89807, 89808, 91653, 91654; **USNM**: 312768, 312769, 312770, 312771, 312781, 312782, 312783, 312784, 312785, 312786, 312787, 312788, 312789, 312790, 312791, 312792, 312793, 312794, 312795, 312796, 312797, 312798, 312799, 312800, 312801, 312802, 312803, 312804, 312805, 312806, 312807, 312808, 312809, 368838; **YPM**: MAM 014978 - Abu Rawash (300244N 310533E, 6 m): **NMP**: 91983, 91988, 91989 - Al Bahr Al Ahmar (2606N 3417E): **ZMB**: 5210 - Aswan [in Egypt and Chondek, Northern Province in Sudan] (2405N 3256E): **ZMB**: 441 (Syntype *Otonycteris Hemprichii*) - Cairo, 20 mi E (ca. 30 03 N 31 15 E): **FMNH**: 80794 - El Faiyum (291828N 305024E, 39 m): **NMP**: 91984, 91985, 91986, 92109 - El Mansuriya (28 m): **FMNH**: 79214; **USNM**: 312772 - El-'Aiyat (29 51 N 31 13 E, 19 m): **FMNH**: 85704, 85705, 85706, 85707, 85708, 85709 - Giza pyramid, 1 km N (2958N 3107E): **FMNH**: 80787 - Giza Pyramids (29 58 N 31 07 E): **CAS**: 21000; **FMNH**: 80331, 80779, 80780, 80799; **USNM**: 300216, 312780 - Gizeh (30 05 10 N 31 12 44 E, 17 m): **OMNH**: 11106; **SMF**: 25268 - Kharga Oasis, City of Deads: **IVB**: E251, E252 - Kings graves near Deir al Bahari: **ZMB**: T09286 - Kom O Shim (2934N 3055E): **FMNH**: 79215, 79216, 79217, 79218, 79219, 79226, 79227; **USNM**: 312773, 312774, 312775, 312776, 312777, 312778, 312779 - Luksor, Karnak Temple (2541N 3239E): **NMP**: 92616 - Saqqara (29 51 N 31 13 E, 19 m): **FMNH**: 79211, 79212, 79213; **USNM**: 312810, 312811, 312812, 312813, 312814, 312815 - Siwa Oasis (291200N 253100E, ca. -1 m): **BMNH**: 1903.12.8.6, 1903.12.8.7 - the Nile valley between Aswan, Egypt, and Khondek, Sudan: **ZMB**: 442 (Syntype *Otonycteris Hemprichii*) - Tora (2956N 3116E): **FMNH**: 80781, 80782, 80783, 80784, 80796 - Wadi El Feiran (2843N 3337E): **NMP**: 90495, 90500 - Wadi el Natroun (3024N 3018E): **FMNH**: 79220.

Libya:

Bahr El Tubat (293628N 245246E): **USNM**: 325011, 325012 - Brak (27 32 N 14 17 E, 343 m): **NMP**: LI-24 - Nanatalah (314711N 114708E): **NMP**: 49964.

Morocco:

Anagam, 5 km NW (3011N 0535W): **NMP**: 90061, 90062, 90063, 90064.

Niger:
Unknown locality: **BMNH**: 1979.2118.
Sudan:
Batn el Hajjar: **NMW**: 8604 (Holotype *Plecotus ustus*).

Pipistrellus Kaup, 1829

"Africa":
Unknown locality: **RMCA**: 90.010-M-0008.
Algeria:
Béni Abbès, 15 km N (ca. 30 08 00 N 02 10 00 W): **RMCA**: 73.041-M-0007.
Burundi:
Mpinga cave (03 44 10 S 30 10 40 E, 1930 m): **MHNG**: 1607.099, 1607.100 - Nyanza (042039S 293537E, 772 m): **USNM**: 237232 - Rugari Mission (02 43 45 S 30 24 00 E, 1651 m): **MHNG**: 1607.089 - Rwintare Mission (03 30 46 S 29 39 28 E, 2111 m): **MHNG**: 1607.083.
Cameroon:
Unknown locality: **BMNH**: 1934.11.22.1 - Sakbayeme (0402N 1034E): **MCZ**: 20474, 20475 - Sousak: **MCZ**: 22336.
Canary Islands (Spain):
Laurisilva Forest (ca. 28 47 23 N 17 48 12 W): **ZMA**: MAM.23442.
Central African Republic:
Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-860, ZM-MO-2000-861, ZM-MO-2000-957, ZM-MO-2000-958, ZM-MO-2000-959.
Congo (Democratic Republic of the):
Unknown locality: **RMCA**: 27368 - Batala's Village (00 30 N 29 15 E, 914 m): **FMNH**: 30635, 30636, 30637, 30638, 30639, 30640, 30641, 30642, 30643, 30644, 30645, 30646, 30647, 30648, 30649, 30650, 30651, 30652, 30653, 30654, 30655, 30656, 30657, 30658, 30659, 30660, 30661, 30662, 30663, 30664, 30665, 30666, 30667, 30668 - Belgian River: **MCZ**: 25124 - Bokuma (00 06 00 S 18 42 00 E, 340 m): **RMCA**: 21672 - Bumba (021 10 0 N 22 28 00 E, 419 m): **MCZ**: 23380, 23381, 25125, 25126, 25127, 25128, 25129, 25130 - Elisabethville (114000S 272600E, 1209 m): **RMCA**: 11708 - Kabengere (09 08 S 26 16 E, 732 m): **FMNH**: 30682, 30683, 30684, 30685, 30687, 30688, 30689, 30690, 30691, 30692, 30693, 30694, 30695, 30696, 30697, 30698 - Kalutenge (10 30 00 S 25 37 00 E): **RMCA**: 90.006-M-0001 - Kibumba (01 28 00 S 29 20 00 E, 1650 m): **RMCA**: 36209, 36210 - Luluabourg (055345S 222504E, 608 m): **RMCA**: 33349 - Mabali (02 20 00 S 28 50 00 E): **MCZ**: 48252, 48253, 48254, 48255, 48256, 48257 - Rumanura river (01 10 00 S 29 28 00 E, 1200 m): **RMCA**: 37376, 37377 - Rutshuru (01 11 03 S 29 26 56 E, 1219 m): **INPBC**: W3.2.
Egypt:
Unknown locality: **ZFMK**: 1979.0644 - El Qasr (2821N 2851E): **FMNH**: 84797, 84798, 84799.
Ethiopia:
Unknown locality: **MCZ**: 6772 - Abiata, lake (0737N 3836E): **USNM**: 589157, 589158, 589159 - Abiyacula (ca. 12 02 N 39 03 E): **EBD**: MAM 25789, MAM 25790, MAM 25791, MAM 25836 - Addis Abeba (09 02 00 N 38 42 00 E, 2362 m): **EBD**: MAM 25839, MAM 25913 - Bahadu (10 11 35 N 40 37 08 E): **USNM**: 589160 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **USNM**: 589156 - Lalibela (12 02 N 39 03 E, 2472 m): **EBD**: MAM 25814.
Gabon:
Projet OIBT trail (PK 24) (0205N 1223E, 600 m): **FMNH**: 162158 - Projet OIBT trail (PK 29) (0205N 1224E, 600 m): **FMNH**: 162200.
Ghana:
Unknown locality: **BMNH**: 1978.2819.
Kenya:
Unknown locality: **BMNH**: 1912.7.1.25, 1912.7.1.31, 1912.7.1.32, 1975.2777, 1975.2781, 1975.2791 - Endeblsa (010400N 345100E): **USNM**: 351246 - Kilifi (0338S 3951E, 61 m): **USNM**: 351062, 351063, 351244 - Machakos, 15 mi SW (ca. 0140S 3707E, 1829 m): **WNMU**: 6436, 6437, 6438 - Molo (00 15 S 35 44 E, 2506 m): **ROM**: 68423 - Moto cave (041619S 393408E): **USNM**: 351245.
Liberia:
Harbel (06 16 47 N 10 20 51 W, 95 m): **USNM**: 269977.
Malawi:
Likhubula Camp, 1.5 km E (1556S 3531E, 1090 m): **FMNH**: 192232 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420 m): **MVZ**: 220911, 220912, 220913, 220914, 220915.
Namibia:
Gorrasis (400 m): **MSU**: MR.21310 - Okahandja (21 59 S 16 55 E, 1324 m): **FMNH**: 77498, 77499.
Nigeria:
Ifon (06 55 27 N 05 46 34 E, 162 m): **MCZ**: 32236.
Senegal:
Unknown locality: **MCZ**: 6567.
Sierra Leone:
Freetown (0830N 1315W): **ROM**: 62747.
South Africa:
Boshof (2825Aa): **NMB**: 7852 - KwaZulu-Natal province: **ROM**: 78206 - Witrivier, 11 mi W (2518S 3103E): **USNM**: 384745, 384757.
Tanzania:
Kasanga Forest Reserve (071140S 374538E): **FMNH**: 183240 - Mafinji Camp (0837S 3629E): **FMNH**: 182946 - Mahenge Scarp Forest Reserve (0837S 3643E, 780 m): **FMNH**: 182614 - Nawenge Forest Reserve (0842S 3643E): **FMNH**: 182651 - New Dabaga/Ulangambi Forest Reserve (0804S 3555E, 1910 m): **FMNH**: 169542 - Nkungwe Hill summit, 0.5 km NW (0606S 2947E, 2100 m): **FMNH**: 177758 - Nyumbanitu Forest (0751S 3622E, 1200 m): **FMNH**: 169540 - Nyumbanitu Forest (0751S 3622E, 1566 m): **FMNH**: 169541 - Ukami Forest Reserve (0753S 3623E): **FMNH**: 182685.

Uganda:
Unknown locality: **BMNH**: 1902.11.1.2, 1911.10.21.1; **USNM**: 237231, 237244 - Nabea (014416N 313322E): **USNM**: 237227, 237228, 237229, 237230, 237233, 237234, 237235, 237236, 237237, 237238, 237239, 237240, 237241, 237242, 237243, 237245, 237246, 237247, 237248, 237249, 237250, 237251, 237252 - Sonsor river (0146N 3133E): **ROM**: 46613 - Tororo (004105N 341052E, 1185 m): **CAS**: 24638, 24639.

Pipistrellus aero Heller, 1912

Ethiopia:
Beletta forest (0732N 3633E, 2050 m): **ZMMU**: S-164969.
Kenya:
Gargues, mount [summit] (0057N 3724E): **USNM**: 181812 (Holotype *Pipistrellus aero*), 182674, 182675, 184347, 184348 - Nanyuki (00 01 00 N 37 04 00 E, 1986 m): **USNM**: 375918.

Pipistrellus grandidieri (Dobson, 1876)

Angola:
Chitau (11 25 S 17 09 E, 1503 m): **CM**: 7018b - Galanga (1205S 1515E): **MNHN**: ZM-MO-1900-534.
Burundi:
Resha (0354S 2924E): **SMF**: 57586, 57587.
Cameroon:
Bake river bridge (0516N 0913E): **CM**: 108029 - Mangamba (0530N 0900E): **ROM**: 68878.
Côte d'Ivoire:
Unknown locality: **SMF**: 84399.
Guinea:
Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0300, 2008.0301 - Whiskey 1 (08 32 56 N 08 53 57 W, 1175 m): **ZFMK**: 2008.0302.
Kenya:
Diani Beach Centre, 10 km S (04 20 S 39 32 E): **SMF**: 57575 - Kwale district (ca. 04 11 S 39 27 E): **CM**: 98006.
Liberia:
Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 13220.
Malawi:
Likabula mission (15 57 S 35 24 E): **TM**: 41795, 41800, 41805.
Tanzania:
Amani (05 06 00 S 38 38 00 E, 751-1000 m): **LACM**: 31921 - Amani-Sigi Forest Reserve (05 07 S 38 39 E, 635 m): **SMF**: 91234 - Bamba-Mlungi Forest Reserve (04 57 S 38 47 E): **SMF**: 83513 - Kambai Forest Reserve (0459S 3841E): **SMF**: 85521, 85522, 85523, 85524 - Kwamgumi Forest Reserve (04 56 S 38 45 E, 150 m): **SMF**: 86385 - Kwamkoro-Kwamsambia Forest Reserve (05 10 S 38 36 E, 590m): **SMF**: 90889 - Longuza North Forest Reserve (05 04 S 38 41 E): **SMF**: 83617 - Magrotto Hill (05 07 S 38 45 E): **SMF**: 82514 - Nilo Forest Reserve (04 54 16 S 38 39 45 E, 800 m): **SMF**: 92489 - Segoma Forest Reserve (04 58 S 38 45 E, 120 - 635 m): **SMF**: 88508, 91247, 91248 - Tanga region: **SMF**: 93225 - Zanzibar (06 10 S 39 20 E): **MNHN**: ZM-MO-1996-2129 (Holotype *Vesperugo (Vesperus) grandidieri*).
Uganda:
Kampala (00 18 56 N 32 33 56 E, 1202 m): **BMNH**: 1966.1171.

Pipistrellus hanaki Hulva and Benda, 2004

Libya:
Al Bayda (32 45 59 N 21 44 30 E, 623 m): **NMP**: 49894, 49895 (Paratype *Pipistrellus hanaki*), 49896 (Paratype *Pipistrellus hanaki*), 49897 (Holotype *Pipistrellus hanaki*) - 'Arqub Ash Shafshaf (32.87 N 22.18 E): **NMP**: 49890 (Paratype *Pipistrellus hanaki*), 49891 (Paratype *Pipistrellus hanaki*), 49892 (Paratype *Pipistrellus hanaki*) - Massah (32 45 07 N 21 37 36 E, 482 m): **NMP**: 49902 (Paratype *Pipistrellus hanaki*), 49903 (Paratype *Pipistrellus hanaki*), 49904 (Paratype *Pipistrellus hanaki*) - Wadi al Minshiyah (32 54 00 N 22 03 00 E): **NMP**: 49884.

Pipistrellus hesperidus (Temminck, 1840)

"Africa":
Unknown locality: **SMF**: 91245.
Botswana:
Maun (19 59 S 23 25 E, 927 m): **TM**: 6545.
Burkina Faso:
Nobéré, 2 km S (1126N 0110W): **ROM**: 79848.
Cameroon:
Unknown locality: **BMNH**: 1989.688 - Camp IV (0610N 1025E): **ZFMK**: 1969.0488a, 1969.0488b.
Cape Verde:
São Vicente island (1650N 2500W): **MZUF**: 10597.
Côte d'Ivoire:
Abidjan, 15 km NW (0521N 0405W): **CM**: 69167 - Ivory Coast: **MNHN**: ZM-MO-1985-585.
Djibouti:
Djibouti (1135N 4309E): **FMNH**: 68192 - Obock (115747N 431726E, 0 m): **MNHN**: ZM-MO-1895-453, ZM-MO-1895-454, ZM-MO-1895-455, ZM-MO-1895-456, ZM-MO-1895-457.
Eritrea:
Unknown locality: **MCZ**: 17490.
Ethiopia:
Unknown locality: **BMNH**: 1886.11.3.20; **SMF**: 52382 - Abyssinia: **ZMB**: 5695 - Addis Ababa, 24 km E (09 00 N 039 00 E, 1981 m): **ROM**: 71971, 71972 - Addis Abeba (09 02 00 N 38 42 00 E, 2362 m): **AMNH**: 48079, 48080, 81089; **ZFMK**:

1977.1011 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **CM**: 52657 - Dangila (1117N 3655E): **BMNH**: 1928.1.11.31, 1928.1.11.34, 1928.1.11.35, 1928.1.11.37, 1928.1.11.38, 1928.1.11.39 - Desea Forest (ca. 13 45 N 39 45 E): **NMP**: pb5498 - Forty Springs (06 02 N 37 36 E): **SMF**: 49097, 49098, 49099, 49100, 49101, 49102, 49103, 49104, 49105, 49106, 49107, 49108, 49109, 49110 - Giner, 48 km N: **ROM**: 71824, 71845, 71865 - Goba (08 01 N 40 23 E, 1276 m): **NMP**: 92117 - Harrena Forest: **NMP**: 94998 - Hirna and Deder, between (ca. 0920N, 4116E): **ZMMU**: S-168942 - Korem (09 18 53 N 41 38 34 E, 2556 m): **NMP**: pb5487 - Manera forest (0654N 3642E): **MNHN**: ZM-MO-1985-1022 - Menagesha Forest (08 59 24 N 38 33 49 E): **NMP**: pb5476, pb5482 - Metu (08 18 N 35 35 E, 1604 m): **NMP**: 92210, 92213 - Schoa (09 00 N 39 00 E): **SMF**: 4229 - Shoa province (ca. 09 00 N 39 00 E): **SMF**: 12361, 12381 (Lectotype *Vespertilio hesperida*) - Simien Mountains National Park (13 21 00 N 38 18 00 E): **NMP**: pb5519.

Ghana:

Shai Hills Resource Reserve (05 57 N 00 04 E): **CM**: 113631.

Kenya:

Unknown locality: **BMNH**: 1975.2560, 1975.2561, 1975.2562, 1975.2563, 1975.2564, 1975.2565, 1975.2566, 1975.2783 - Baharini Farm: **SMF**: 44810 - Central Elgon (ca. 010037N 345955E): **ROM**: 65818, 65819 - Cherangani Mountain: **ROM**: 38336 - Cherangani Mountains, Tangasia [= Tangasha] River: **ROM**: 48533, 48534, 48535, 48536, 48537 - Diani Forest (04 20 S 39 32 E): **ZMA**: MAM.20786 - Elgon, Mount (0107N 3435E): **SMF**: 41814 - Endebess (0104N 3451E): **ROM**: 67965 - Hells Gate Canyon (00 55 S 36 19 E): **CM**: 98025, 98026, 98027 - Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 81297, 81298, 81304, 81326 - Kapenguria: **ROM**: 40310, 40311 - Kapsowar (00 59 N 35 34 E, 2019 m): **HZM**: 227.9110 - Kitale, 23 km W: **ROM**: 73316 - Kwale (04 11 S 39 27 E, 303 m): **ZMA**: MAM.20787 - Lake Baringo: **ROM**: 65952, 65953 - Makalia Falls (00 29 29 S 36 04 54 E, 1852 m): **AMNH**: 245387 - Markwijt: **ROM**: 65947, 65948, 65949, 65950, 65951 - Masol Location: **ROM**: 40245 - Mount Elgon (01 04 00 N 34 34 00 E, 1890-2250 m): **ROM**: 66237 - Mweiga, 10 mi NW (0014S 3649E): **YPM**: MAM 003446, MAM 003447 - Nakuru, 12 km S, 4 km E (0024S 3607E): **CM**: 98023, 98024 - Namanga (ca. 023303S 364658E): **AMNH**: 184465 - Ngaranyiru: **ROM**: 71108, 71109, 71110, 71123, 71124, 71133 - Ngong (01 22 00 S 36 39 00 E, 1829 m): **HZM**: 123.4073; **ROM**: 36361, 36362, 36363, 36366, 36367, 68412, 68413, 73269, 73270, 73271 - Ngong Hills (01 24 S 36 38 E): **USNM**: 350971, 350972, 350973 - Njoro: **ROM**: 36360 - Ortum: **ROM**: 65944, 65945, 65946 - Saiwa River: **ROM**: 65937, 65938, 65939, 65940, 65941, 65942 - Suam River, Korau: **ROM**: 36364 - Taita hills, Ngangao forest (0322S 3821E): **CM**: 102223, 102224, 102225, 102226 - Talek Gate (01 26 S 35 04 E): **CM**: 102215, 102227.

Liberia:

Unknown locality: **BMNH**: 1979.510 - Mount Nimba (ca. 07 30 N 08 30 W): **BMNH**: 1979.509, 1979.509_1, 1979.509_2, 1979.512.

Madagascar:

Unknown locality: **FMNH**: 218129; **UADBA**: 32935, 32936, 32937 - Ampara Fara (1841S 4735E, 925 m): **FMNH**: 108983, 108984, 108985 - Zombitsy forest (2251S 4443E): **FMNH**: 151940.

Malawi:

Chelinda (1035S 3348E): **DCDH**: 2640, 2641, 2646, 2650 - Dzalanyama Forest Reserve (1418S 3329E): **DCDH**: 3125, 3126 - Kapalasa Farm (1531S 3511E): **DCDH**: 2859, 2886, 2893, 2894, 2895, 2996 - Likabula mission (15 57 S 35 24 E): **TM**: 41787 - Luwawa dam (1207S 3344E, 1700m): **DCDH**: 2662 - Nkhotakota (1256S 3418E): **DCDH**: 2950, 2952, 2953, 2954 - Ntchisi Forest Reserve (13 19 S 34 03 E, 1420-1541 m): **DCDH**: 2905, 2913, 2914, 2915, 2916, 2917, 2918, 2926 - Nyika-NP (1035S 3348E): **DCDH**: 2643 - Thondwe (1527S 3515E): **DCDH**: 2858 - Thyolo, mount (1605S 3509E): **DCDH**: 3070, 3071, 3072 - Wilindi Forest (09 42 S 33 29 E, 1900 m): **NMZL**: 3230 - Zomba Plateau (15 22 S 35 19 E, 5000 ft): **DCDH**: 2506, 2538, 2539, 3013, 3014, 3015, 3016, 3017, 3019, 3020, 3150, 3151, 3153, 3154 - Zomba town (1523S 3519E): **DCDH**: 2291, 2359, 2370, 2371.

Mozambique:

Gurué Tea Plantation (15 27 44 S 37 01 39 E, 1700 m): **DNSM**: 8477 - Manho Forest (15 22 09 S 37 03 40 E, 1750 m): **DNSM**: 10837 - Rio Wanetsi (24 29 33 S 32 10 17 E): **DNSM**: 9332 - Ukalini Forest (ca. 15 23 38 S 036 59 04 E): **DNSM**: 10832.

Niger:

Tapoa (12 29 31 N 02 21 36 E, 225 m): **BRTC**: 27858.

Nigeria:

Gangirwal (0701N 1142E, 2300m): **SMNS**: 41343, 41344 - Zaria (1101N 0744E): **ROM**: 77709.

Rwanda:

Kitabi (023130S 292517E): **RMCA**: 82.006-M-0926, 82.006-M-0927 - Mutura (013556S 292256E, 2370 m): **RMCA**: 82.006-M-0925.

Senegal:

Bandia (1437N 1702W): **MHNG**: 1131.017 - Lengué Kountou (13 02 N 13 04 W): **IVB**: S467 - Mount Assirik (12 53 N 12 43 W): **IVB**: S1769, S1772 - Simenti (13 01 N 13 17 W): **IVB**: S1613, S236, S592.

Somalia:

Snai Sugar Plantation (02 46 N 45 31 E): **CM**: 94693.

South Africa:

Unknown locality: **BMNH**: 1904.9.1.1, 1905.3.7.4, 1905.5.7.26, 1906.8.2.33, 1906.8.2.38 - Amanzimtoti (30 03 00 S 30 52 48 E, 50 m): **DNSM**: 13347 - Amanzimtoti (30 03 00 S 30 52 48 E, 68 m): **DNSM**: 7834 - Anthrax camp (22 25 30 S 31 12 30 E): **KNP**: 144 - Barberton, 14 km NW (2547S 3054E): **CM**: 41052, 41053 - Bayete Camp (27 46 48 S 32 18 36 E, 56 m): **DNSM**: 8782 - Black Eagle Lodge (23 00 39 S 29 45 49 E, 1350 m): **DNSM**: 13195, 13492, 13493, 13494, 13496, 13609, 13610, 13611, 13612 - Blouberg Private Nature Reserve] (23 02 S 29 07 E, 584 m): **DNSM**: 13585 - Buffelskloof Private Nature Reserve (25 18 S 30 30 E): **TM**: 46915 - Buzzard Mountain Retreat (23 01 S 29 46 E, 1008 - 1542 m): **TM**: 45357 - Buzzard Mountain Retreat (23 01 S 29 46 E, 1008 m): **DNSM**: 13548 - Buzzard Mountain Retreat (23 01 S 29 46 E, 1542 m): **DNSM**: 13547 - Chatsworth (29 55 07 S 30 53 30 E, 89 m): **DNSM**: 12854 - Cowies Hill (29 49 00 S 30 53 00 E, 346 m): **DNSM**: 7201 - Cowies Hill Park (29 49 28 S 30 52 58 E, 322m): **DNSM**: 7144 - Dlinza Forest (28 53 59 S 31 27 00E, 515 m): **DNSM**: 5352, 5356, 5360, 5363, 5372, 5374, 5386, 5393, 5397, 5406 - Dugundhlovu camp site (2801S 3221E): **TM**: 40717 - Dukuduku Forest (28 23 00 S 32 19 00 E): **TM**: 40406, 40410, 40417 - Durban (29 51 00S 31 01 00 E, 498 m): **DNSM**: 7073 - Durban (29 51 S 31 01 E): **DNSM**: 86 - Durban, probably (29 50 S 31 00 E): **DNSM**: 4288 - Eagles Nest Farm (22 58 26 S 29 55 59 E, 1277 m): **DNSM**: 13582, 13591, 13592, 13593 - Everton (29 27 00 S 30 15 00 E, 1276 m): **DNSM**: 11432 - Farm Hectorspruit (25 26 S 31 41 E): **TM**: 1090 - Farm Onverwacht 544JT, Sjonajona (2545.628S 3042.076E): **TM**: 46609 - Farm Welgevonden 449 (23 32 S 28 26 E, 1277 m): **DNSM**: 13573, 13575 - Feather River (2500.232S 3053.672E, 1350m): **TM**: 47666 - Figtree camp (222550S

311150E): **TM**: 36619, 36783 - Figtree forest (2225S 3115E): **TM**: 37697 - Fort Beaufort, 14 km W (3247S 2638E): **CM**: 41061 - Gillets (29 46 41 S 30 47 49 E, 579 m): **DNSM**: 7015 - Glenmore (29 35 15 S 30 58 08 E, 43 m): **DNSM**: 6893 - Harold Johnson Nature Reserve (29 12 00 S 31 25 36 E): **DNSM**: 5369 - Hathaway (29 47 S 30 46 E): **DNSM**: 7016 - Hillary, Hillary School (29 53 S 30 57 E, 104 m): **DNSM**: 6150 - Hillcrest (29 46 00 S 30 46 00 E, 500 m): **DNSM**: 5907 - Hillcrest (29 46 00 S 30 46 00 E, 716 m): **DNSM**: 14242, 6909 - Hluhluwe Game Reserve, Research camp (28 04 S 32 02 E): **TM**: 44396, 44398, 44399 - Iphiva Camp (28 21 11 S 32 25 50 E, 20 m): **DNSM**: 1063, 1064, 6793, 6895, 6896 - Kenneth Stainbank Nature Reserve (29 55 S 30 56 E, 133 m): **DNSM**: 5868 - Kingsburgh (30 05 S 30 52 E, 46 m): **DNSM**: 13348 - Kloof Falls Road/ Bridle Road picnic site (29 46 S 30 49 E): **DNSM**: 6219 - Kosi Lake (2657S 3249E): **TM**: 40456 - Kosi Lake, Department of Health Camp (2657S 3249E): **TM**: 40455, 40457 - Kranskloof Nature Reserve (29 46 S 30 50 E, 434 m): **TM**: 40014, 40015 - Krantzkloof Nature Reserve (29 46 S 30 50 E, 434 m): **DNSM**: 5876 - Kranzkloof Nature Reserve (29 46 S 30 50 E, 434 m): **DNSM**: 10024, 10032, 10033 - Kumasinga Pan (27 47 S 32 12 E): **DNSM**: 10697 - Lajuma (23 02 18 S 29 26 34 E, 1086 m): **DNSM**: 13481 - Lajuma Bridge (23 02 18 S 29 26 34 E, 1168 m): **DNSM**: 13545 - Lajuma Forest Lodge (23 02 18 S 29 26 34 E, 1086 m): **DNSM**: 13536, 13537, 13538, 13539 - Lajuma Mountain Reserve (23 01 22 S 029 15 52 E, 1305 m): **DNSM**: 13490 - Lajuma Mountain Reserve (23 01 22 S 029 15 52 E, 1311 m): **DNSM**: 13472, 13473, 13474, 13486, 13487, 13488, 13489, 13491 - Loskopdam Nature Reserve (2523S 2920E): **TM**: 47654 - Maditobe Pan [=Maditobepan] (22 41 S 31 02 E): **TM**: 38515, 38516, 38517, 38518 - Mahogany Drive (22 40 36 S 31 01 07 E): **KNP**: 128 - Malvern (29 53 S 30 55 E, 179 m): **TM**: 1085 - Mantuma Camp (27 35 46 S 32 13 03 E, 103 m): **DNSM**: 11005 - Morningside (29 50 S 31 00 E, 23 - 108 m): **DNSM**: 14243 - Ndumu Game Reserve (2653S 3215E): **TM**: 35184, 35207, 35209, 35232 - Ngome Forest Reserve (27 52 00 S 31 24 45 E): **TM**: 39134, 39135, 39840, 39854 - Ngqeleni (3140S 2902E): **TM**: 1073 - Nkandla Forest Reserve (28 43 25 S 31 07 40 E): **DNSM**: 7558, 7559, 7839, 7840 - North Park Nature Reserve (29 52 S 30 52 E, 209 m): **DNSM**: 5382, 5403 - Pennington (railroad siding) (30 23 S 30 42 E): **CM**: 41057, 41058, 41060 - Picnic site (2225S 3115E): **TM**: 41658 - Pietermaritzburg (29 37 00 S 30 23 00 E, 760 m): **DNSM**: 13122 - Pigeon Valley Park (29 51 53 S 30 59 13 E): **DNSM**: 5384, 5385 - Port Edward (31 03 03 S 30 13 41 E, 625 m): **DNSM**: 13401 - Port Edward area (ca. 31 04 S 30 10 E): **DNSM**: 13345 - Port St Johns (31.63S 29.55E): **KM**: 26140 - Queensburgh (29 51 00 S 30 54 00E, 162 m): **DNSM**: 6010 - Rockcliff farm (2837S 2901E): **TM**: 38493 - Rocktail Bay (27 13 17 S 32 47 36 E): **TM**: 48624, 48625, 48626, 48642, 48643, 48644 - Sarnia road, 28 (29 53 21 S 30 58 59 E, 28 m): **DNSM**: 5378 - Sodwana Bay Estuary (27 33 S 32 40 E, 10 m): **DNSM**: 8013 - St. Lucia (28 23 S 32 25 E, 26 m): **DNSM**: 6109, 6372, 6373, 6374 - Sugar Research Association Estate (29 42 S 31 02 E): **DNSM**: 7143 - Twin Streams (28 58 S 31 42 E): **DNSM**: 5872 - Tzaneen Estates (2348S 3009E): **TM**: 41043 - Tzaneen Governamental Estate (2348S 3010E): **TM**: 1086 - Tzaneen Government Estate (2350S 3010E): **TM**: 1087 - Umbogontwini Nature Reserve (30 03 S 30 53 E): **DNSM**: 7429 - Umhlanga Reserve (29 43 00 S 31 05 00 E, 11 m): **DNSM**: 13128 - Umhlumi (2549S 3107E): **TM**: 1990 - uMkhuze Game Reserve (27 39 S 32 14 30 E, 62 m): **DNSM**: 10152, 10154, 10160, 11010, 11011, 11017 - Umlalazi Nature Reserve (28 57 49 S 31 46 08 E, 10 m): **TM**: 30126 - Warner Beach area (ca. 30 05 S 30 52 E): **DNSM**: 13346 - Willowvale (32.3S 28.83E): **KM**: 26141 - Winkelspruit (30 06 15 S 30 51 09 E, 78 m): **DNSM**: 7516 - Yellow Wood Park (29 54 57 S 30 56 18 E, 118 m): **DNSM**: 5388 - Yellowwood Park, Kenneth Stainbank Nature Reserve (147 m): **DNSM**: 8860.

South Sudan:

Tonj (0715N 2845E): **ROM**: 72070, 72071, 72073, 72080, 72081.

Sudan:

El Garef (1203N 3419E): **MCZ**: 14466.

Swaziland:

Forbes Gold Mine [=Forbes Reef Gold Mine] (2609S 3106E): **TM**: 47724 - Luyengo (2635S 3112E): **TM**: 45708 - Malalotja Cottage (2608S 3107E): **TM**: 47714 - Malolotja Nature Reserve (26 08 S 31 08 E): **DNSM**: 8509 - Mbuluzi Game Reserve, 3rd river crossing (26 11 50 S 31 58 56 E): **DNSM**: 9857 - Mlawula Nature Reserve, site 1 (26 10 49 S 32 02 57E): **TM**: 47737, 47738, 47739, 47740 - Ngonini estates (25 48 00 S 31 24 32 E, 421 m): **DNSM**: 13464 - Python Pool (ca. 26 11 30 S 32 00 18 E): **DNSM**: 11509, 9855, 9856, 9858, 9861 - Siweni Riparian Site (26 10 48 S 32 02 55 E): **DNSM**: 8427.

Tanzania:

Unknown locality: **BMNH**: 1964.1795, 1971.939 - Kisiju island (07 24 S 39 20 E): **SMF**: 81203, 81204 - Lugoda Tea Estate (08 35 07 S 35 15 22 E): **SMF**: 61160, 61161, 66951, 66952 - Mazumba Estate (04 48 S 38 29 E, 1412 m): **ZMUC**: 4087, 4088, 4092, 4093, 4095, 4097, 4098, 4099 - Mbizi Forest (0752S 3042E): **NMZL**: 2658 - Ngorongoro (0310S 3535E): **TM**: 9998, 9999 - Ngwazi Estate (08 31 55 S 35 10 35 E): **SMF**: 70460 - Shume, near (0442S 3813E): **YPM**: MAM 003464 - Tanga region: **SMF**: 93379.

Uganda:

Unknown locality: **BMNH**: 1906.3.8.10 - lake Kamuzuku 1 (00 15 49 S 30 09 09 E): **FMNH**: 224554 - Murchison Falls-NP [= Murchison Falls Park]: **ROM**: 40243.

Zambia:

Unknown locality: **BMNH**: 1955.1097, 1955.1098, 1955.1107 - Chilanga (15 33 00 S 28 17 00 E, 1220 m): **NHMZ**: 11296 - Kabompo Boma (133600S 241200E, 1027 m): **NHMZ**: 9016 - Kasempa, S (14.08S 25.88E): **NHMZ**: 10231 - Ndanda School (14.75S 23.75E): **NHMZ**: 33147 - Solwezi (12.18S 26.42E): **NHMZ**: 6931.

Zimbabwe:

Unknown locality: **BMNH**: 1948.238 - Atlantica Research Station (17.75S 31.0E): **NHMZ**: 60468 - Chikupo Caves (1723S 3117E): **TM**: 34839 - Chingamwe Estates (18 29 S 32 44 E): **DNSM**: 4692 - Chirinda forest (2024S 3242E): **TM**: 34634 - Dwala Ranch (21.12S 29.62E): **NHMZ**: 31174 - Gokwe (18 13 00 S 28 56 47 E): **DNSM**: 115 - Hillside (20.13S 28.58E): **NHMZ**: 68268 - Hostes Nicoll Research Institute (1810S 2813E): **ROM**: 84014 - Lake McIlwaine (17.9S 30.78E): **NHMZ**: 58891 - Munyati R (18.5S 29.75E): **NHMZ**: 84506 - Rhodes Inyanga National Park (18 17 S 32 48 E): **TM**: 11403, 34757 - Rusito forest, Rustio River (ca. 195218S 330137E): **TM**: 34767, 34768, 34778, 34779 - Rusitu Forest (20.03S 32.98E): **NHMZ**: 59650 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 30036 - Sengwe Wildlife Research Area (18 10 S 28 13 E): **ROM**: 87410 - Sentinel Ranch (22 10 10 S 29 30 20 E): **NHMZ**: 31667 - Shinda Estates (ca. 1918S 3248E): **NHMZ**: 60472.

Pipistrellus hesperidus broomi Roberts, 1948

South Africa:

Nyalazi Forest Reserve (28 09 00 S 32 23 00 E): **KU**: 142225 - Port Durnford Forest Reserve (28 53 S 31 51 E): **KU**: 135862 - Umdoni Park (30 24 S 30 41 E, 50 m): **KU**: 135861.

Pipistrellus hesperidus hesperidus (Temminck, 1840)

Burundi:
Nyamugari hill (0318S 2945E, 2590 m): **FMNH**: 148368.

Ethiopia:
Unknown locality: **BMNH**: 1972.4402_1, 1972.4402_2, 1972.4402_3, 1972.4402_4, 1972.4402_5, 1972.4402_6, 1972.4402_7, 1972.4402_8, 1972.4402_9, 1976.811, 1976.812 - Addis Abeba (09 02 00 N 38 42 00 E, 2362 m): **FMNH**: 28779 - Debre Marcos, near (1021N 3743E): **FMNH**: 28780.

Kenya:
Unknown locality: **BMNH**: 1975.2562_1, 1975.2562_2, 1975.2562_3, 1975.2562_4 - Athi river (0259S 3831E, 1524 m): **FMNH**: 67932 - Cherangany (0059N 3513E, 1890 m): **FMNH**: 152755, 152756, 152757, 152758, 152759, 152760 - Engare Narok river (ca. 011248S 355250E): **USNM**: 162106 - Kailpos Hill (0112N 3508E, 2134 m): **ROM**: 78231 - Kapenguria (0115N 3507E, 2134 m): **FMNH**: 152765 - Karen (01 20 S 36 45 E, 1706-1829 m): **FMNH**: 152750, 152751 - Kilifi (0338S 3951E, 61 m): **USNM**: 350985, 350986 - Kipkabus (0018N 3530E): **FMNH**: 152766 - Kitale, 12 mi W (0102N 3450E): **USNM**: 436702 - Kitale, 20 mi SW (0045N 3445E, 1829 m): **FMNH**: 152761, 152762, 152763 - Lake Naivasha (00 46 00 S 36 21 00 E, 6000 ft): **BMNH**: 1901.8.9.96 (Holotype *Pipistrellus Kuhlii fuscatus*); **USNM**: 172900 - Lake Naivasha, E shore (ca. 00 46 00 S 36 21 00 E, 6000 ft): **USNM**: 162108 - Machakos, 15 mi [= 24 km] SE (0140S 3725E, 1829 m): **FMNH**: 152754 - Molo, 4 mi [=6.4 km] E (00 13 59 S 35 45 00 E, 2347 m): **USNM**: 436726, 436727, 436728, 436729, 436731, 436732 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E): **USNM**: 350982 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152764 - Nairobi (01 17 00 S 36 49 00 E, 1728 m): **USNM**: 172899 - Ngong (01 22 00 S 36 39 00 E, 1829 m): **FMNH**: 152747, 152748, 152749, 152752, 152753, 67933; **KU**: 41118; **ROM**: 78228, 78229, 78230; **USNM**: 350970, 350974 - Sotik (0041S 3507E): **USNM**: 181462.

Malawi:
Unknown locality: **BMNH**: 1987.1099, 1987.1100, 1987.1101, 1987.1173 - Chelinda (1035S 3348E): **BMNH**: 1987.1097, 1987.1098 - Chilinda Camp (10 35 S 33 48 E, 2300m): **FMNH**: 191593, 191594 - Thondwe (1527S 3515E): **BMNH**: 1987.1109 - Trout Ponds (15 22 S 35 19 E): **BMNH**: 1987.1096 - Zomba town (1523S 3519E): **BMNH**: 1987.1102, 1987.1103, 1987.1104, 1987.1105, 1987.1106, 1987.1107, 1987.1108.

South Sudan:
Gilo area (ca. 040218N 325043E): **FMNH**: 108167 - Gilo, 5 mi S (0402N 3251E): **FMNH**: 108165, 108166 - Katire (0405N 3246E): **FMNH**: 78478, 78479, 78480, 79562 - Nagishot (0416N 3334E, 1981 m): **FMNH**: 77691, 77692.

Tanzania:
Ambangulu Estate (05 05 S 38 26 E, 1300 m): **FMNH**: 147229, 147231, 147232, 147233, 147234, 147398, 147402, 150080, 150081, 150082, 150083, 150416, 150420, 151435 - Bagilo (0710S 3740E): **MCZ**: 22812 - Bulwa Tea Estate (050000S 383800E, 1000 m): **FMNH**: 150077 - Chugu Peak, near (06 50 01 S 36 34 19 E): **FMNH**: 197803 - East Usambara Mts, Monga Tea Estate (050600S 383600E, 870 m): **FMNH**: 150076 - Kindoroko Forest Reserve (0346S 3739E, 1688 m): **FMNH**: 192531, 192532, 192533, 192677, 192678, 192679, 192680, 192681, 192682 - Korogwe, 12.5 km NW (1300 m): **FMNH**: 147399, 147400, 147401, 150417, 150418, 150419 - Mbizi Forest Reserve (07 52 S 31 40 E, 2200 m): **FMNH**: 171301 - Nkungwe Hill summit, 0.5 km NW (0606S 2947E, 2100 m): **FMNH**: 177856 - Simiyu river (02 33 00 S 33 25 00 E, 1372 m): **FMNH**: 73075.

Uganda:
Echuya Forest Reserve (0118S 2950E, 2380 m): **FMNH**: 161041 - Mbale (010352N 341046E, 1150 m): **FMNH**: 154294, 154295 - Mubuk river, right bank (0.3666N 29.9833E, 2667 m): **FMNH**: 144317 - Ruhiza (0103S 2947E, 2350 m): **FMNH**: 160363, 160364.

Pipistrellus inexspectatus Aellen, 1959

Benin:
Bimbereke (1014N 0240E): **USNM**: 421391 - Segbana (1056N 0342E): **USNM**: 421393.

Cameroon:
Ngaaouyanga (07 54 N 13 36 E, 610 m): **MHNC**: |TS324| (Holotype *Pipistrellus inexspectatus*).

Côte d'Ivoire:
Unknown locality: **SMF**: 91934, 91935, 91936, 91937.

Ghana:
Yabraso (0804N 0147W): **USNM**: 424862.

Kenya:
Unknown locality: **USNM**: 377055 - Makandara picnic site (04 15 S 39 23 E): **MCZ**: 59769, 59770, 59771, 59772, 59773, 59774, 59775, 59776, 59777, 59885, 59886.

Madagascar:
Cape Saint Vincent, near (ca. 2152S 4320E): **MCZ**: 45112.

Nigeria:
S Birnin Gwari (1048N 0618E): **ROM**: 86291.

Sierra Leone:
Fadugu (0923N 1146W): **USNM**: 462852.

Pipistrellus kuhlii (Kuhl, 1817)

"Africa":
Unknown locality: **AMNH**: MS-410; **BMNH**: 1872.a; **MHNG**: 1716.090 - Africa: **RBINS**: 12306 - North Africa: **AMNH**: MO-2694, MS-409 - Northern Africa: **AMNH**: 409/2694/3030 - Sahara: **MHNG**: 671.030.

Algeria:
Unknown locality: **BMNH**: 1908.4.4.5, 1908.4.4.6, 1912.11.14.10, 1912.11.14.11, 1912.11.14.13, 1912.11.14.4, 1912.11.14.5, 1912.11.14.6, 1912.11.14.7, 1912.11.14.8, 1912.11.14.9, 1912.6.12.11, 1913.8.6.1, 1913.8.6.10,

1913.8.6.2, 1913.8.6.3, 1913.8.6.4, 1913.8.6.5, 1913.8.6.6, 1913.8.6.7, 1913.8.6.8, 1913.8.6.9, 1920.7.19.1, 1920.7.19.2; **MNHN**: ZM-MO-1858-2009, ZM-MO-1985-1023, ZM-MO-1985-1024, ZM-MO-1985-1025 - Unknown locality (1962 m): **MNHN**: ZM-MO-1962-1770 - Ain Oussera (3527N 0255E): **CM**: 79062, 79073, 79078, 79081, 79082, 79083, 79084, 79085, 79086, 79087, 79088, 79089, 79090, 79091, 79092 - Algiers (36 45 47 N 03 03 02 E, 0 m): **ZMB**: 8968 - Béni Abbès (30 08 00 N 02 10 00 W, 470 m): **MNHN**: ZM-MO-1949-513 A, ZM-MO-1949-513 B, ZM-MO-1949-513 C, ZM-MO-1949-513 D, ZM-MO-1949-513 E, ZM-MO-1949-513 F, ZM-MO-1949-513 G, ZM-MO-1985-1018, ZM-MO-1985-1019, ZM-MO-1985-1020, ZM-MO-1985-1021, ZM-MO-1985-753, ZM-MO-1985-754, ZM-MO-1985-755, ZM-MO-1985-756, ZM-MO-1985-757, ZM-MO-1985-758, ZM-MO-1985-759, ZM-MO-1985-760, ZM-MO-1985-761, ZM-MO-1985-762, ZM-MO-1985-763, ZM-MO-1985-764 - Biskra (34 51 N 05 44 E, 213 m): **ZFMK**: 1977.1001, 1977.1002, 1977.1003; **ZMB**: 17547, 17548, 17549; **ZMH**: 23986, 23986a, 23986b, 23986c, 23986d, 23986e, 23986f, 23986g, 23986h, 23986i, 23986j - Chaegga (34 25 N 05 56 E, 3 m): **MNHN**: ZM-MO-1985-1029, ZM-MO-1985-1030 - Djamaa (3332N 0600E): **MNHN**: ZM-2006-252, ZM-MO-1983-664, ZM-MO-1985-1709 - Djanet (24 34 N 000 09 23 E, 1116 m): **MNHN**: ZM-2006-253 - Djelfa (3443N 0314E): **ZFMK**: 1954.0002 - Ghardaia (322900N 034000E): **FMNH**: 92750, 92751 - Hassi Kalifa (3335N 0700E): **RBINS**: 17257 - Heljani (3542N 0037W, 121 m): **MNHN**: ZM-MO-1985-660 - In Saleh (2711N 0229E): **CM**: 79071 - Les Andalouses (3541N 0039W): **HZM**: 235.21856, 236.21857, 237.21858, 239.21875, 246.22534, 247.22535, 248.22536 - Misserghin (3538N 0043W): **HZM**: 238.21874 - Mouzdjadjo (3542N 0433E): **CM**: 79066, 79067 - Oran (3541N 0039W): **ZMB**: 14999 - Oran (3541N 0039W, 110 m): **MNHN**: ZM-MO-1985-1031 - Ouargla (315727N 051940E, 149 m): **MNHN**: ZM-MO-1884-2012 - Ouargla (3157N 0520E): **MHNG**: 722.037 - Ouarsenis, Djebel (3552N 0138E): **MNHN**: ZM-MO-1985-954 - Oued Rhumel (3632N 0616E): **CM**: 79063, 79097 - Oued Tlélat (3534N 0025W): **HZM**: 245.22533 - Pool: **BMNH**: 1979.987, 1979.987_1, 1979.987_2, 1979.988 - road between Sétif and Annaba (3622N 0639E): **ZFMK**: 154, 155 - Sétif (3613N 0525E): **CM**: 79064 - Sidi Okba (3445N 0554E): **USNM**: 175025, 175026, 175027, 175028, 175029, 175030, 175031, 175032, 175033, 175034, 175035, 175036, 175037, 175038, 175039, 175040, 175041, 175042, 175043, 175044, 175045, 175046, 175047, 175048 - Tamanrasset (2250N 0526E): **CM**: 79068, 79069, 79070 - Tamanrasset, 110 km NW (2342N 0508E): **USNM**: 482699 - Umasch [=Oumach] (34 41 N 05 42 E): **ZMB**: T09570 - Wadi Sauria (3011N 0214W): **CM**: 79057, 79058, 79059, 79060, 79061, 79065.

Canary Islands (Spain):

Unknown locality: **BMNH**: 1912.3.29.1, 1913.7.26.1, 1913.7.26.2, 1913.7.26.3, 1913.7.6.4.

Chad:

Tibesti (21 30 00 N 17 30 00 E): **RMCA**: 31164.

Egypt:

Unknown locality: **BMNH**: 1892.9.9.23, 1892.9.9.24, 1903.12.8.13, 1908.11.5.10, 1908.11.5.11, 1908.11.5.12, 1908.11.5.13, 1909.7.1.7, 1909.7.1.8, 1909.7.1.9, 1921.5.6.1, 1921.6.8.1, 1924.2.19.10, 1924.2.19.11, 1924.2.19.12, 1924.2.19.13, 1924.2.19.14, 1924.2.19.15, 1924.2.19.9, 1928.1.11.32, 1967.2301; **MHNG**: 874.044a, 874.044b; **SMF**: 4307 (Holotype *Vespertilio marginatus*); **USNM**: 122166; **ZMB**: 495 - Abu Ghaleb, 2 km N (3001N 3056E): **CM**: 79101, 79102, 79103, 79105, 79106, 79107, 79108 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **CM**: 113807, 113808, 113962, 113963, 113964, 113965, 113966; **FMNH**: 123222, 123223, 123224, 123225, 123226, 123227, 123228, 123229, 75033, 75034, 75035, 75036, 75037, 75038, 75039, 75040, 75041, 75042, 75047, 75048, 75049, 75050, 75051, 79228, 79229, 79230, 79231, 79264, 79265, 79266, 79267, 79268, 79269, 79270, 79271, 79272, 79273, 79274, 79275, 80730, 80731, 80732, 80733, 84634, 84635, 84677, 84678, 84679, 84680, 84681, 89378, 89379, 89380, 89381, 89382, 89383, 89384, 89815, 89816, 89817, 89818, 89819, 89820, 89821, 89822, 89823, 89824, 89825, 91490, 91491, 91520, 91521, 91522, 91523, 91524, 91525, 91526, 91527, 96215, 96216; **OMNH**: 11107, 11108, 11109, 11110; **USNM**: 312705, 312706, 312707, 312708, 312721, 312722, 312723, 312724, 312725, 312726, 312727, 312728, 312729, 312730, 312731, 312748, 312749, 312750, 312751, 312752, 312753, 312754, 312755, 312756, 312757, 312758, 312759, 312760, 312761, 312762, 312763, 312764, 312765, 368717, 368718, 368719, 368720, 368721, 368722, 368723, 368724, 368725, 368726, 368733, 368734, 368735, 368736 - Abu Rawash, 2 km N (ca. 300205N 3105E): **FMNH**: 91492, 91493, 91494, 91495, 91496, 91497, 91498, 91499, 91500, 91501, 91502, 91503, 91504, 91505, 91506, 91507 - Alexandria (311153N 295509E, 4 m): **MNHN**: ZM-MO-1985-1026, ZM-MO-1985-1027, ZM-MO-1985-1028 - Alexandria (3113N 2955E): **FMNH**: 144043 - Bahig (30 56 N 29 35 E, 2 m): **FMNH**: 123230; **SMF**: 26114; **YPM**: MAM 005853 - Baryeh Oasis (28 15 00 N 28 57 00 E): **MNHN**: ZM-MO-1985-1012, ZM-MO-1985-1013, ZM-MO-1985-1014 - Between Abu-Rawash and the pyramids: **HNHM**: 58.63.1 - between Cairo and Ismailia: **SMF**: 29014 - Burgh-El-Arab (3055N 2932E): **FMNH**: 123231, 144044 - Cairo and Ismaila, between (3000N 3100E): **SMF**: 22014 - Cairo, 20 km S (ca. 30 03 N 31 15 E): **ZMB**: 3398 - El Guan (ca. 312200N 270700E): **USNM**: 368727, 368728, 368729, 368730, 368731, 368732 - El Lahun (291309N 305842E, 5 m): **FMNH**: 80345, 80346 - El Mansuriya, 4 km W (ca. 300813N 310417E): **FMNH**: 79232, 79233, 79234, 79235, 79236, 79237, 79238, 79239, 79240, 79241, 79242, 79243, 79244, 79245, 79246, 79247, 79248, 79249, 79250, 79251, 79252, 79253, 79254, 79255, 79256, 79257, 79258, 79259, 79260, 79261, 79262, 79263 - El Qasr (2821N 2851E): **FMNH**: 84793, 84794, 84795 - El Qatta (2243N 3204E, 172 m): **FMNH**: 91488, 91489 - El Sheikh Salem (ca. 3122N 2707E): **FMNH**: 91508, 91509, 91510, 91511, 91512, 91513, 91514, 91515, 91516, 91517, 91518, 91519 - El-'Aiyat (29 51 N 31 13 E, 19 m): **FMNH**: 85589, 85590, 85591, 85592, 85593, 85594, 85595, 85596, 85597, 85598, 85599, 85600, 85601, 85602, 85603 - Giza Pyramids (29 58 N 31 07 E): **USNM**: 312709, 312710, 312711, 312712, 312713, 312714, 312715, 312716, 312717, 312718, 312719, 312720 - Idfina (311737N 303045E, 1 m): **OMNH**: 11111, 11112, 11113, 11114 - Ikingi Mariut (305933N 2946E, 23 m): **USNM**: 588755 - Kom Hamada (3046N 3041E): **FMNH**: 68191 - Luxor, near: **FMNH**: 49035, 49036 - Maadi (29 58 N 31 15 E): **FMNH**: 91650, 91651; **USNM**: 283293 - Manzala East (31 10 N 31 56 E): **ZMA**: MAM.24242, MAM.24243 - Marsa Matruh (3121N 2714E, 40 m): **FMNH**: 98925 - Mersa Matruh, near (ca. 3121N 2714E): **USNM**: 368737, 368738, 368739, 368740, 368741, 368742, 368743, 368744, 368745, 368746, 368747, 368748, 368749, 368750, 368751, 368752, 368753, 368754, 368755, 368756, 368757, 368758, 368759, 368760, 368761, 368762, 368763, 368764, 368765, 368766, 368767, 368768, 368769, 368770, 368771, 368772, 368773, 368774 - Port Said, 10 mi S (3117N 3218E): **FMNH**: 98171, 98172, 98173 - Saqqara (29 51 N 31 13 E, 19 m): **CM**: 79119; **FMNH**: 85604; **USNM**: 312732, 312733, 312734, 312735, 312736, 312737, 312738, 312739, 312740, 312741, 312742, 312743, 312744, 312745, 312746, 312747 - Sharqiya (3115N 3217E): **ZMB**: 54228 - Simbilawein, 5 mi W (ca. 3053N 3128E): **MVZ**: 107718; **USNM**: 283294, 283295, 283296, 283297, 283298, 283301 - Sinnuris (2925N 3052E): **FMNH**: 75079, 75080 - Suez, Isthmus (30 30 00 N 32 15 00 E): **MNHN**: ZM-MO-1869-1516 A, ZM-MO-1869-1516B - Upper Egypt: **BMNH**: 1892.9.9.25; **NMW**: 27503 - Zawyet Umm El Rakham (3124N 2703E): **FMNH**: 123232, 123233, 123234, 123235, 123236, 123237, 123238, 123239, 123240, 123241, 123242, 123243, 123244, 123245, 123246, 123247, 123248, 123249, 123250, 123251, 123252, 123253, 123254, 123255, 123256, 123257, 123258, 123259, 123260, 123261, 123262, 123263, 123264, 123265, 123266, 123267, 123268, 123269, 123270, 123271 - Zawyet Umm el Rakham, 0.5 mi from (3124N 2703E): **FMNH**: 91528, 91529, 91530, 91531, 91532,

91533, 91534, 91535, 91536, 91537, 91538, 91539, 91540, 91541, 91542, 91543, 91544, 91545, 91546, 91547, 91548, 91549, 91550, 91551, 91552, 91553, 91554, 91555, 91556, 91557, 91558, 91559, 91560, 91561, 91562, 91563, 91564, 91565, 91566, 91567, 91568, 91569, 91570, 91571, 91572, 91573, 91574, 91575, 91576, 91577, 91578, 91579, 91580, 91581, 91582, 91583, 91584, 91585, 91586, 91587, 91588, 91589, 91590, 91591, 91592, 91593, 91594, 91595, 91596, 91597, 91598, 91599, 91600, 91601, 91602, 91603, 93384, 93385, 93386, 93387, 93388, 93389, 93390, 93391, 93392, 93393, 93394, 93395, 93396, 93397, 93398, 93399, 93400, 93401, 93402, 93403, 93404, 93405, 93406, 93407, 93408, 93409, 93410, 93411, 93412, 93413, 93414, 93415, 93416, 93417, 93418, 93419, 93420, 93421, 93422, 93423, 93424, 93425, 93426, 93427, 93428, 93429, 93430, 93431, 93432, 93433, 93434, 93435, 93436, 93437, 93438, 93439, 93440, 93441, 93442, 93443, 93444, 93445, 93446, 93447, 93448, 93449, 93450, 93451, 93452, 93453, 93454, 93455, 93456, 93457, 93458, 93459, 93460, 93461, 93462, 93463, 93464, 93465, 93466, 93467, 93468, 93469, 93470, 93471, 93472, 93473, 93474, 93475, 93476, 93477, 93478, 93479, 93480, 93481, 93482, 93483, 93484, 93485, 93486, 93487, 93488, 93489, 93490, 93491, 93492, 93724, 93725, 93726, 93727; **USNM**: 368775, 368776, 368777, 368778, 368779, 368780, 368781, 368782, 368783, 368784, 368785, 368786, 368787, 368788, 368789, 368790, 368791, 368792, 368793, 368794, 368795, 368796, 368797, 368798, 368799, 368800, 368801, 368802, 368803, 368804, 368805, 368806, 368807, 368808, 368809, 368810, 368811, 368812, 368813, 368814, 368815, 368816, 368817, 368818, 368819, 368820, 368821, 368822, 368823, 368824, 368825, 368826, 368827, 368828, 368829, 368830.

Libya:

Al Abyar (32 11 25 N 20 35 45 E, 274 m): **NMP**: 48332 - Al Fjayj (26 32 32 N 013 18 39 E, 597 m): **NMP**: 48321 - Benghazi (3207N 2005E): **HZM**: 218.7402 - Gabrun (26 48 11 N 013 32 07 E): **NMP**: 48304, 48305, 48313, 48314, 48315 - Germa (26 31 46 N 013 04 23 E, 601 m): **NMP**: 48320 - Karkurah (31 25 35 N 20 01 40 E, 18 m): **NMP**: 48322 - Kuf-NP (3218N 2025E): **CM**: 79120, 79121 - Murzuk (25 54 16 N 13 53 50 E, 501 m): **BMNH**: 1902.11.4.1 (Holotype *Pipistrellus deserti*) - Sabratah (3248N 1229E): **CM**: 79122 - Tokrah (32 31 54 N 20 34 22 E, 22 m): **NMP**: 48326 - Tripoli (3258N 1312E): **MHNG**: 987.014; **RBINS**: 274.

Madagascar:

Toliara province: **SMF**: 78117.

Morocco:

Unknown locality: **BMNH**: 1965.3451; **RMNH**: MAM.28728, MAM.28729; **SMF**: 49747; **USNM**: 260666, 260667 - Afnourir, lake (33 17 N 05 15 W): **EBD**: MAM 26021 - Anoual (323936N 0306W, 1188 m): **USNM**: 476581, 476582, 478319 - Azrou (34 31 14 N 04 20 41 W, 1039 m): **EBD**: MAM 26026 - Bab Bou Idir (34 04 09 N 04 07 14 W): **EBD**: MAM 16032 - Berkane (345516N 021946W, 179 m): **MNHN**: ZM-MO-1985-1578, ZM-MO-1985-1931 - Dcheira (30 53 N 09 32 W): **SMF**: 47778, 47779, 47780 - Figuig (320700N 011337W): **BMNH**: 1963.1590 - Foum Zguid, 4 km S (3004N 0653W): **USNM**: 470701, 470702, 476990, 476991 - Goulimine (285902N 100337W, 307 m): **MNHN**: ZM-MO-1950-144A, ZM-MO-1950-144B - Kef Azigza cave (32 02 N 03 47 W, 1060 m): **EBD**: MAM 25783 - Missour (3303N 035924W, 895 m): **USNM**: 476579, 476580 - Missour, 15 km SW (3308N 0405W): **USNM**: 478315, 478316, 478317, 478318, 520473, 520474, 520475 - Moulay Abdessalam - Zinat, between (ca. 35 24 N 05 29 W): **EBD**: MAM 26022 - Nador, 20 km SE (3507N 0245W): **USNM**: 476549, 476550, 476551, 476552, 476553, 476554, 476555, 476556, 476557, 476558, 476559, 476560, 476561, 476562, 476563, 476564, 476565, 476566, 476567, 476568, 476569, 476570, 476571, 476572, 476573, 476574, 476575, 476576, 476577, 476578, 476583, 476584, 476585, 476586, 476587, 476588, 476589, 476590, 476591, 476592, 476593, 476594, 476595, 476596, 476597, 476598, 476599, 476600, 476601, 476602, 476603, 476604, 476605, 476606, 476607, 476608, 476625, 477014, 477015, 477016, 477017, 477018, 477019, 576115 - Ouarzazate, 3 km NW (3048N 0536W): **USNM**: 470696, 470697 - Ouarzazate, 9 km SE (3052N 0652W): **USNM**: 470694, 470695 - Oued Drâa (29 10 N 08 00 W): **NMP**: 90058, 90059 - Ourika, cascade (31 13 13 N 07 40 09 W): **EBD**: MAM 13779 - Rabat, 17 km SE (3349N 0702W): **ROM**: 53966, 53967 - Tamtattouchte (31 40 12 N 05 31 48 W, 2247 m): **NMP**: 90071 - Taounate, 15 km WSW (3429N 0448W): **USNM**: 476616, 476617, 476618, 476619, 476620, 476621, 476622, 476623, 476624 - Tata, 15 km S (2938N 0757W): **USNM**: 470703, 470704, 470705, 470706, 476992, 477013 - Tazarine (335249N 041048W, 1395 m): **USNM**: 470698 - Tazarine, 3 km NW (ca. 3353N 0411W): **USNM**: 470699, 470700, 476975, 476976, 476977, 476978, 476979, 476980, 476981, 476982, 476983, 476984, 476985, 476986, 476987, 476988, 476989, 476993, 476994, 476995, 476996, 476997, 476998, 476999, 477000, 477001, 477002, 477003, 477004, 477005, 477006, 477007, 477008, 477009, 477010, 477011, 477012, 520472.

Sudan:

Unknown locality: **BMNH**: 1904.11.3.3 - Nubia (ca. 20 00 N 32 00 E): **RBINS**: 12328 - Wadi Halfa (2155N 3120E): **MHNG**: 1626.004, 1626.005, 1626.006.

Tunisia:

Unknown locality: **BMNH**: 1979.916_1, 1979.916_2; **MNHN**: ZM-MO-1911-1749 A, ZM-MO-1911-1749 B, ZM-MO-1911-1749 C, ZM-MO-1911-1749 D, ZM-MO-1993-3329, ZM-MO-1995-1701-bis, ZM-MO-1995-1702; **SMF**: 83440, 83441, 83442 - Ain Jammalah Pepinier Forestière (3630N 0919E): **TTU**: 70981, 70982, 70983, 70984 - Bled Douarah (34 18 N 08 21 E): **UCM**: 19864, 19865, 19866 - Bled Douarah (ca. 3418N 0821E): **UCM**: 14840, 14841 - Cartago (3654N 1016E): **SMF**: 19551; **ZFMK**: 1959.0269, 1959.0270, 1959.0271, 1959.0285, 1959.0286, 1959.0287, 1959.0288, 1959.0289 - Chemtou (3629N 0835E, 158 m): **TTU**: 72479, 72480 - Djebel Rassas (3637N 1024E): **TTU**: 72474 - Djerba (33 48 N 10 54 E): **MNHN**: ZM-MO-1911-1750 - Enfidaville (3610N 1023E): **HZM**: 130.4440 - Gabès (3353N 1007E): **FMNH**: 89851, 89852; **MHNG**: 921.016 - Gabès, 100 km S (3300N 1000E): **MHNG**: 1684.056 - Galita Island (37 31 34 N 08 55 44 E): **SMF**: 41617, 41618 - Grombalia, 10 km W (3636N 1023E): **TTU**: 72490 - Hadjeb el Aioun pool, near (3524N 0933E): **TTU**: 72475 - Kheredine (335300N 100700E): **TTU**: 72473 - Nefzaoua (ca. 33 30 N 09 00 E): **MNHN**: ZM-MO-1884-2010, ZM-MO-1884-2011; **SMF**: 41619, 41620, 41621 - Oudna Station, 1 km SE (3637N 1010E): **TTU**: 72476, 72477, 72478 - Sbeitla, pool 40 km NW (ca. 3521N 0926E): **TTU**: 72493, 72494 - Sidi Hassen Ayet memorial building (3350N 0752E): **TTU**: 72481, 72482, 72483, 72484, 72485, 72486, 72487 - Sidi Mansour area (3648N 1011E): **TTU**: 72491 - Tamerza oasis (3423N 0757E): **TTU**: 72492 - Tatahouine (3256N 1027E, 246 m): **TTU**: 72488, 72489 - Therma: **NRM**: A583296, A593001 - Tunis (36 48 10 N 10 10 47 E, 0 m): **FMNH**: 89850; **HNHM**: 2652.1; **MNHN**: ZM-MO-1906-108, ZM-MO-1906-108 A, ZM-MO-1921-73 A, ZM-MO-1921-73 B, ZM-MO-1999-990; **SMF**: 11790; **ZMB**: 54235 - Tunis (3704N 1004E): **SMF**: 11788, 11789 - Wadi Zriba (3618N 1013E): **HZM**: 128.4438.

Pipistrellus maderensis (Dobson, 1878)

Canary Islands (Spain):

Agaete (28 07 N 15 42 W, 109 m): **MCZ**: 11675 - Reserva Los Tilos (28 47 39 N 017 47 55 W): **EBD**: MAM 16029.

Madeira (Portugal):
Funchal (32 39 23 N 16 54 28 W): **MMF**: 44313 - Unknown locality (32 44 00 N 17 00 00 W): **BMNH**: 1855.8.16.34 (Holotype *Vesperugo [(Vesperugo)] maderensis*), 1986.528.

Spain:
Tenerife (28 19 00 N 16 34 00 W): **SMF**: 5363.

Pipistrellus nanulus Thomas, 1904

"Africa":
Unknown locality: **ZMA**: MAM.26216.

Benin:
"Dahomey": **MNHN**: ZM-MO-1912-445 - Bimbereke (1014N 0240E): **USNM**: 421398, 421401.

Burkina Faso:
Ouagadougou (12 22 13 N 01 31 29 W, 305 m): **USNM**: 454669.

Cameroon:
Aboulou (02 18 00 N 12 04 00 E, 572 m): **RMCA**: 73.018-M-0233 - Ambam, 10 km S, 5 km E (0217N 1119E): **CM**: 58577 - Ambam, 13 km S, 5 km E (0216N 1121E): **CM**: 58582 - Ebolowa (02 54 00 N 11 09 00 E, 636 m): **CM**: 42329 - Efulén (02 47 00 N 10 32 00 E, 421 m): **BMNH**: 1904.2.8.8 (Holotype *Pipistrellus nanulus*), 1905.5.23.13 - Eseka, 5 km SW (0337N 1045E): **AMNH**: 236317 - Eséka, 9 km N (ca. 0340N 1045E): **AMNH**: 236318 - Foulassi (0259N 1158E): **MHNG**: 914.056, 914.057 - Galim (07 06 00 N 12 29 00 E, 1120 m): **RMCA**: 73.016-M-0311 - Njombo River (0339N 1158E, 457 m): **ROM**: 57216 - Sangmelima (0256N 1159E): **CM**: 10318 - Tisongo, Lake (0325N 0954E): **USNM**: 511927 - Yaoundé, 7 km S, 8 km W (0348N 1127E): **CM**: 58580 - Yaoundé, 9 km S, 10 km W (0347N 1125E): **CM**: 58581.

Central African Republic:
Bohou River (ca. 06 32 47 N 23 24 46 E): **MNHN**: ZM-MO-2000-862 - Boukoko (035400N 175600E): **MNHN**: ZM-MO-1984-202, ZM-MO-1984-203, ZM-MO-1984-204, ZM-MO-1984-205, ZM-MO-1984-206, ZM-MO-1984-207, ZM-MO-1984-208, ZM-MO-1984-209, ZM-MO-1984-210, ZM-MO-1984-211, ZM-MO-1984-290, ZM-MO-1984-296, ZM-MO-1984-297 - La Maboké (03 49 55 N 17 50 45 E): **MNHN**: ZM-MO-1984-247, ZM-MO-1984-298, ZM-MO-1984-299, ZM-MO-1984-300, ZM-MO-1984-301, ZM-MO-1984-302 - Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-863, ZM-MO-2000-864, ZM-MO-2000-865.

Congo:
Lekoumou, Forest trails (02 45.767 S 13 36.365 E): **HZM**: 1.40189 - Majumba (0430S 1230E): **MNHN**: ZM-MO-1984-753.

Congo (Democratic Republic of the):
Avakubi (01 19 00 N 27 33 00 E, 589 m): **AMNH**: 49323 - Mosenge (04 39 00 S 18 58 00 E, 508 m): **RMCA**: 88.011-M-0020.

Côte d'Ivoire:
Unknown locality: **SMF**: 91938, 91939, 91940, 91941, 91942, 91943 - Adiopodoumé (05 20 12 N 04 07 57 W, 73 m): **RMCA**: 97.079-M-0779 - Parc National de Mont Peko (06 56 N 07 10 W): **ROM**: 100530, 100538, 100539, 100548, 100549, 100563.

Equatorial Guinea:
Banapa (0330N 0842E): **AMNH**: 185612 - Bioko Island (0327N 0833E): **ZFMK**: 1964.0320 - Bioko Island (0330N 0842E): **AMNH**: 185329 - Engong (01 53 N 10 17 E, 325 m): **MSB**: 28901, 28902 - Fernando Po (0330N 0842E): **ZFMK**: 106 - San Carlos: **ZFMK**: 1966.0817.

Ethiopia:
Bishan Waka Lake, E side shore (07 18 01 N 35 16 24 E, 1402 m): **BRTC**: 57925, 57926 - Dogy River Bridge (08 21 43 N 35 53 02 E, 1670 m): **BRTC**: 57936 - Gelego (12 14 N 35 53 E, 650 m): **ZMMU**: S-189547_bis, S-189549_bis.

Gabon:
Bas Ogooué (ca. 01 00 S 09 15 E): **MNHN**: ZM-MO-1911-798 - N'gomo-Ogooué (004900S 095700E, 0 m): **MNHN**: ZM-MO-1911-798 (2), ZM-MO-1911-798/1 - Ogowe (0100S 1300E): **AMNH**: 37235.

Ghana:
Butre (0449N 0155W): **USNM**: 414241 - Krokosua Hills Forest Reserve (06 37 N 02 51 W): **ZFMK**: 2003.1048 - Prestea, 32 mi W (0523N 0228W): **USNM**: 414240 - Prince's Town, 7 mi N (0451N 0204W): **USNM**: 412139 - Shai Hills Resource Reserve (05 57 N 00 04 E): **CM**: 113632, 113633, 113634, 113635, 113636.

Guinea:
Foko Confluence (08 29 49 N 08 54 48 W, 737 m): **ZFMK**: 2008.0298 - Guinee-Maritime (ca. 0942N 1322W): **HNHM**: 76.249.1 - Western Spur Valley (08 33 26 N 08 55 16 W, 900 m): **ZFMK**: 2009.0031 - Whiskey 1 (08 32 56 N 08 53 57 W, 1175 m): **ZFMK**: 2008.0297.

Kenya:
Kakamega Forest (00 16 00 N 34 53 00 E, 1585 m): **ROM**: 50525, 50531, 50532, 50535, 65973, 65974 - Kakamega forest, 8 mi SE (0016N 3453E): **USNM**: 350976, 350977 - Lokori (01 57 06 N 36 02 09 E, 582 m): **BMNH**: 1969.215 - Ol' Donyo Sabuk [=Donyo Sabuk] (01 08 00 S 37 16 00 E): **BRTC**: 27859, 27860, 27861, 27862.

Liberia:
Mount Nimba (07 30 00 N 08 30 00 W): **DNSM**: 13230, 13234 - Saniquellie (0724N 0845W): **AMNH**: 257055 - South Nimba (07 26 N 08 34 W): **BMNH**: 1979.508 - Tchien (06 04 00 N 08 07 41 W, 274 m): **AMNH**: 239403.

Mali:
Falea (12 15 51 N 11 16 38 W, 459 m): **DNSM**: 13418, 13419.

Nigeria:
Ayangba (073013N 071028E): **ROM**: 86286, 86287 - Kamuku Game Reserve (104817N 061747E): **ROM**: 86290 - Zaria (1101N 0744E): **ROM**: 84066.

Senegal:
Diogué (12 34 28 N 16 45 09 W, 7 m): **MNHN**: ZM-MO-1995-1846 - Saboya (1341N 1611W): **MHNG**: 1131.019.

Sierra Leone:
Musaia (09 45 00 N 11 34 00 W, 423 m): **BMNH**: 1961.17, 1962.446 - Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547016, 547017, 547018 - Outamba-Kilimi-NP, Kilimi section (0948N 1227W): **USNM**: 547019 - Panguma, 10 mi N (0817N 1106W): **USNM**: 463166 - Segbwema (0759N 1057W): **USNM**: 462851.

The Gambia:
Western division: **SMF**: 92155.

Togo:
Badou - Anonoe (07 35 00 N 00 36 00 E): **RMCA**: 73.009-M-0423.

Uganda:
Budo (0015N 3229E): **BMNH**: 1971.938 - Budongo Forest (014416N 313322E, 4000ft): **AMNH**: 219740 - Budongo Forest (0146N 3133E, 1036 m): **FMNH**: 152771 - Bunyoro (0145N 3135E, 1071 m): **ROM**: 46451, 46452, 46453, 46473, 46474 - Bunyoro (0145N 3135E, 1219 m): **ROM**: 40144, 40145, 46640 - Bunyoro (0145N 3135E, 1372 m): **ROM**: 46460, 46471, 46472, 46596, 48705 - Fort Portal (0040S 3017E): **AMNH**: 219741 - Maramagambo Forest (003300S 295300E): **AMNH**: 269740, 269741 - Masindi, near (014028N 314254E, 1067 m): **ROM**: 59152.

Pipistrellus permixtus Aellen, 1957

Tanzania:
Dar es Salaam (06 48 00 S 39 17 00 E, 0 m): **MZS**: 12c.

Pipistrellus pipistrellus (Schreber, 1774)

"Africa":
Unknown locality: **BMNH**: 1852.a.

Algeria:
Sebdou (3441N 0120W): **HZM**: 132.21854 - Sétif (3613N 0525E): **HZM**: 133.21855 - Ténès (3632N 0118E): **MHNG**: 976.040.

Egypt:
Unknown locality: **MNHN**: ZM-AC-A6903.

France:
Beauvais cathedral: **BMNH**: 1997.81 (Neotype *Vespertilio pipistrellus*).

Libya:
Baida, 4 km S (3244N 2143E): **CM**: 79123, 79124 - Haniya, 8 km SSE (3246N 2127E): **CM**: 79125 - Kouf Park lodge, 3 km S (3241N 2134E): **CM**: 89633 - Kuf-NP (3218N 2025E): **CM**: 79126, 79127, 79128, 79129, 79130, 79132, 79133, 79135, 79136, 79137 - Labraq, 5 km SW (3245N 2158E): **USNM**: 325013.

Morocco:
Bab Bou Idir (34 04 09 N 04 07 14 W): **EBD**: MAM 15593, MAM 15614 - Bekrite (33 04 48 N 05 12 36 W, 1793 m): **NMP**: 94540, 94541, 94542, 94543, 94544, 94545, 94546 - Berkane (345516N 021946W, 179 m): **MNHN**: ZM-MO-1985-1568 - Duea Seglaon (ca. 35 10 N 05 16 W): **EBD**: MAM 13855 - Ourika, cascade (31 13 13 N 07 40 09 W): **EBD**: MAM 13780 - Souq l'Arba N. Ayt Ahmad (ca. 29 59 44 N 09 39 44 W): **EBD**: MAM 26013 - Taounate, 15 km WSW (3429N 0448W): **USNM**: 476609, 476610, 476611, 476612, 476613, 476614, 476615.

Spain:
Tenerife (28 19 00 N 16 34 00 W): **MNHN**: ZM-AC-A6981.

Tunisia:
Djebel Rassas (3637N 1024E): **TTU**: 72495, 72496, 956897, 956898 - Djerba island (33 48 N 10 54 E): **MNHN**: ZM-MO-1911-1751.

Pipistrellus raceyi Bates, Ratrimomanarivo, Harrison and Goodman, 2006

Madagascar:
Kianjavato (21 22.84 S 44 40.49 E, 75 m): **FMNH**: 185567.

Pipistrellus rueppellii (Fischer, 1829)

"Africa":
Unknown locality: **BMNH**: 1907.7.8.35; **RMNH**: MAM.35913; **ZMA**: MAM.22349 - Cretschna: **MNHN**: ZM-MO-1999-975.

Angola:
Unknown locality: **MHNN**: 94.1183 - Kuvangu Mission (1428S 1618E): **MHNG**: 1714.089.

Botswana:
Four Rivers Camp (19.12S 23.12E): **NHMZ**: 54103 - Maun (19 59 S 23 25 E, 927 m): **FMNH**: 38475, 38476, 38477, 38478, 38479, 38480, 38481; **TM**: 6540, 6546 (Holotype *Pipistrellus vernayi*), 6547 - Pom Pom (19.5S 22.75E): **NHMZ**: 59221 - Seronga, 72 km ESE (190656S 214844E): **ROM**: 62650, 62651, 62656 - Xugana (19.08S 23.1E): **USNM**: 518641 - Xugana (1905S 2306E, 975 m): **USNM**: 518642, 518643, 518644 - Xugana, 11 km W (19.08S 22.98E): **USNM**: 518640 - Xugana, 13 mi [=17 km] N (1857S 2253E, 975 m): **USNM**: 518637, 518638, 518639.

Cameroon:
Sakbayeme (0402N 1034E): **MCZ**: 20063 - Waza (11 23 41 N 14 34 09 E, 321 m): **RMCA**: 73.015-M-0593, 73.015-M-0594, 73.015-M-0595, 73.015-M-0596, 73.015-M-0597, 73.015-M-0598, 73.015-M-0599, 73.015-M-0600, 73.015-M-0601, 73.015-M-0602, 73.015-M-0603, 73.015-M-0604, 73.015-M-0605, 73.015-M-0606, 73.015-M-0607, 73.015-M-0608, 73.015-M-0609, 73.015-M-0610, 73.015-M-0611, 73.015-M-0612, 73.015-M-0613, 73.015-M-0727.

Central African Republic:
Bangui (04 22 00 N 18 35 00 E, 369 m): **MNHN**: ZM-MO-1985-1035.

Chad:
Ennedi (ca. 17 15 N 22 00 E): **MNHN**: ZM-MO-1985-1034.

Congo (Democratic Republic of the):
Albertville (0556S 2912E, 763 m): **RMCA**: 29300, 29301 - Beno (03 37 00 S 17 48 00 E, 281 m): **RMCA**: 19853 - Ibembo (0238N 2337E, 420 m): **RMCA**: 20641 - Jadotville (10 58 53 S 26 44 00 E, 1318 m): **RMCA**: 27586 - Kasindi (00 02 10 S 29 42 49 E, 1049 m): **INPBC**: W979.1 - Kawa (forest) (0134N 3032E, 753 m): **RMCA**: 23152 - Kunungu (02 06 00 S 16 26 00 E): **RMCA**: 10616 - Lukula (05 23 00 S 12 57 00 E, 196 m): **RMCA**: 993 - Moba (070300S 294700E, 763 m): **RMCA**: 22125 - Mongbwalu (01 57 00 N 30 02 00 E, 1374 m): **RMCA**: 12247 - Mweka Kasai (04 51 00 S 21 34 00 E,

466 m): **RMCA**: 11549 - Nepoko Bomili (01 40 00 N 27 01 00 E): **RMCA**: 18138 - Poko (03 09 00 N 26 53 00 E, 641 m): **AMNH**: 49326.

Egypt:

Unknown locality: **BMNH**: 1892.9.9.20, 1899.9.9.20; **MNHN**: ZM-MO-1985-1032; **RMNH**: MAM.35915 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **USNM**: 312766, 312767 - Abu Zenima, 18 km N, 4 km from sea: **UMMZ**: 163458, 163459 - Ataka Mountains (29 55 N 32 20 E): **HZM**: 12.12114 - Bawiti (28 20 57 N 28 51 57 E, 252 m): **NMP**: 94967, 94970 - Cairo, 20 km S (ca. 30 03 N 31 15 E): **CAS**: 6462 - Manzala East (31 10 N 31 56 E): **ZMA**: MAM.24244 - Port Said, 10 mi S (3117N 3218E): **ZMA**: MAM.24235, MAM.24236 - Ras Abu el Darag (29 33 N 32 33 E): **ZFMK**: 1981.0254 - Suez (29 58 00 N 32 33 00 E, 2 m): **HZM**: 7.12109; **LACM**: 72040.

Ethiopia:

Unknown locality: **BMNH**: 1976.303; **SMF**: 45023 - Melka Sadi (0909N 4009E): **ROM**: 72050, 72051, 72053, 72054 - Melka Were (0919N 4007E): **ROM**: 71945, 71946, 71947, 71948, 71950, 71951, 71952, 71953, 71954, 71958, 71959, 71960, 71961, 71962, 71963, 71964, 71968, 71973, 71974, 71980, 71981, 71982, 71984, 71988, 71996, 71997, 71998, 72000, 72001, 72002, 72003, 72005, 72006, 72013, 72014, 72015, 72016, 72017, 72018, 72019, 72021, 72022, 72023, 72024, 72026, 72027, 72028, 72030, 72031, 72032, 72040, 72042, 72043, 72044, 72045, 72047, 72048, 72049.

Kenya:

Boni Forest (01 52 07 S 40 43 39E, 11 m): **LACM**: 42841, 42842, 42843, 42844, 42845, 42846, 42847, 42848, 42849 - Kanawa (0220S 4005E): **ROM**: 68092, 68093 - Karpeddo (0109N 3639E): **ROM**: 68527 - Kitoko River: **ROM**: 71269, 71270 - Lake Bilisa (0221S 4006E): **ROM**: 71321, 71322, 71323, 71324, 71325, 71326, 71327, 71328, 71329, 71330, 71331, 71332 - State Loge Campsite (00 06 34 S 34 44 46 E): **MMU**: PWW2991, PWW2999.

Malawi:

Liwonde National Park (14 52 S 35 21 E, 700 m): **BMNH**: 1987.1116; **DCDH**: 2235 - Luwawa dam (1207S 3344E, 1700m): **DCDH**: 2660, 2668, 2674 - Thyolo, mount (1605S 3509E): **DCDH**: 3087 - Trout Ponds (15 22 S 35 19 E): **BMNH**: 1987.1119, 1987.1120 - Zomba Plateau (15 22 S 35 19 E, 5000 ft): **DCDH**: 2512, 2513, 2514, 2519, 2520, 3003, 3004, 3005, 3006 - Zomba town (1523S 3519E): **BMNH**: 1987.1117, 1987.1118; **DCDH**: 2296.

Mauritania:

Garak (16 33 N 15 46 W, 45 m): **USNM**: 401420, 401421 - Ma?moûdé, lake (16 22 01 N 07 41 45 W): **EBD**: MAM 26181.

Morocco:

Aoufouss (3140N 0410W): **MHNG**: 1706.028 - Foum Zguid (3004N 0652W): **USNM**: 470693 - Kef Azigza cave (32 02 N 03 47 W, 1060 m): **EBD**: MAM 25782, MAM 25850 - Taourirt prefecture, 10 km NW Taourirt (ca. 34 27 58 N 02 58 51 W): **NMP**: 90080.

Mozambique:

Lagoa De Ura (1942S 3419E): **ROM**: 51088.

Namibia:

Andorosa Falls (17.38S 13.88E): **SMW**: 2701.

Nigeria:

Baga-Kawa (130539N 134919E, 279 m): **MHNG**: 1717.061 - Malamfatori (13 25 N 13 20 E): **USNM**: 580600, 580601; **ZMA**: MAM.18508, MAM.18509.

Senegal:

Mbilor (16 30 N 15 35 W): **IVB**: S1981, S1982.

South Africa:

Anthrax camp (22 25 30 S 31 12 30 E): **TM**: 36609, 37908, 38279 - Augrabies Falls-NP (2835S 2020E): **MMK**: MAM/7047 - Figtree camp (222550S 311150E): **TM**: 36934 - Figtree forest, 4.8 km down stream of bridge (2225S 3115E): **TM**: 36791 - Levuvhu bridge (2225S 3111E): **CM**: 93189; **TM**: 37034 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 36122 - Natal: **AMNH**: 119498 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 37074 - Pafuri (22 24 36 S 31 06 36 E): **TM**: 48599.

South Sudan:

Along Busseri River, Agok mango grove (0738N 2756E): **MSU**: MR.33371 - Mongalla (0510N 3150E): **HZM**: 4.3699 - Ngohalima (0728N 2800E): **MSU**: MR.33370 - Tonj (0715N 2845E): **ROM**: 72078.

Sudan:

Unknown locality: **BMNH**: 1901.8.8.13, 1901.8.8.14, 1901.8.8.15, 1901.8.8.16, 1903.2.7.13, 1915.3.6.63; **ZFMK**: 1950.0157, 1950.0168 - Jebel Aulia (15 14 28 N 32 29 59 E, 384 m): **ZFMK**: 156, 157 - Kerma (1933N 3021E): **MHNG**: 1626.022 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **ROM**: 62607; **USNM**: 164964, 164965, 164966, 166522, 166523, 166524, 166525, 166526, 166527; **ZMA**: MAM.22194, MAM.22195, MAM.22196, MAM.22197, MAM.22198, MAM.22199, MAM.22200, MAM.22201, MAM.22202, MAM.22203 - Khartoum state: **SMF**: 78115 - Khuwei, 7 mi N (13 09 02 N 29 13 44 E): **ZMA**: MAM.22178 - Sennaar: **NMW**: 24574 (Holotype *Vesperugo hypoleucus*) - Shendi (16 41 29 N 33 26 03 E, 376 m): **SMF**: 12385, 4308 (Lectotype *Vespertilio temminckii*).

Tanzania:

Unknown locality: **BMNH**: 1964.1813, 1964.1814, 1964.1815, 1964.1816, 1964.1817, 1964.1818, 1964.1819, 1964.1820, 1964.1821; **HNHM**: 3206 - Bagamoyo (06 26 00 S 38 54 00 E, 0 m): **ZMH**: 269? - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22345, MAM.22346, MAM.22347, MAM.22348, MAM.22367, MAM.22368, MAM.22369 - Isamilo (International School) (02 30 30 S 32 54 23 E): **ZMA**: MAM.22370, MAM.22371 - Kamanga (ca. 02 32 02 S 32 50 20 E): **ZMA**: MAM.22344 - Kasanga (0828S 3109E): **MCZ**: 26706 - Mwanza (02 31 00 S 32 54 00 E, 1209 m): **ZMA**: MAM.23315 - Ukerewe island (0200S 3300E): **MCZ**: 26665, 26666, 26667, 26668, 26676, 26677, 26678, 26679, 26680, 26681.

Togo:

no specific locality: **RMCA**: 73.011-M-1111.

Tunisia:

Matmata, near (3337N 0954E): **ZFMK**: 1991.0063.

Uganda:

Unknown locality: **BMNH**: 1917.10.29.1 - Bugala island (00 19 13 N 32 14 38 E): **SMF**: 16898 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **MNHN**: ZM-MO-1985-1033; **RMCA**: 16293, 16294 - Kaborole (004138S 301559E, 1524 m): **BMNH**: 1975.2567 - Lake Edward (ca. 0008S 2953E): **ROM**: 48708 - Mweya (00 14 27 S 29 55 08 E, 3000 ft): **HZM**: 1.3050, 2.3051; **ROM**: 48693 - Victoria Nyanza [=Lake Victoria] (ca. 01 00 S 33 00 E): **SMF**: 16899.

Zambia:

Balovale (13 33 00 S 23 07 00 E, 1090 m): **KM**: 1963 - Copperbelt province: **SMF**: 92717 - Kabompo Boma (133600S 241200E, 1027 m): **HZM**: 3.3170; **NHMZ**: 10342 - Kafue River (1405S 2723E): **NHMZ**: 22679, 22680 - Lochinvar ranch (1550S 2714E): **NHMZ**: 22757 - Lochinvar ranch (1551S 2714E): **CAS**: 15110 - Luangwa River (1245S 3204E): **LACM**: 69912, 69913, 69914, 69915, 69916, 69917, 69918, 69919, 69920, 69921, 69922, 69923, 69924, 69925, 69926, 69927, 69928, 69929, 69930, 69931, 69932, 69933, 69934, 69935, 69936, 69937, 69938, 69939, 69940, 69941, 69942, 69943, 69944, 69945, 69946, 69947, 69948, 69949, 69950 - Luangwa River, base camp (1245S 3204E): **LACM**: 69951, 69952, 69953, 69954, 69955, 69956, 69957, 69958, 69959, 69960, 69961, 69962, 69963, 69964 - Lufupa camp [site 1] (14 36 51 S 26 11 18 E): **NMZL**: ECJS-03/2008, ECJS-04/2008.

Zimbabwe:

Atlantica Research Station (17.75S 31.0E): **NHMZ**: 60462 - Chete, Eastern Section (17.37S 27.62E): **NHMZ**: 57441 - Chikwarakwara (22.35S 31.1E): **NHMZ**: 60463 - Chizarira NP, Mchesu R (17.75S 27.5E): **NHMZ**: 64795 - Crowborough Sewage Works (17.87S 30.9E): **NHMZ**: 59317 - Katombora Rapids (17.88S 25.33E): **NHMZ**: 60676 - Kazangula (17.83S 25.27E): **NHMZ**: 60679 - Lake McIlwaine (17.9S 30.78E): **NHMZ**: 60461 - Marlborough Sewage Works (17.75S 31.1E): **NHMZ**: 60465 - Mashunga Hande Dam (1619S 3026E): **HZM**: 5.6297 - Nyandia Dam (17.0S 32.0E): **NHMZ**: 84269 - Pesu R Gorge (22.28S 31.2E): **NHMZ**: 60464 - Peterhouse School (18.18S 31.62E): **NHMZ**: 60467 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 64796; **ROM**: 79892 - Tashinga (16 52 00 S 28 22 00 E): **NHMZ**: 77683 - Volunteer farms (1849S 2738E): **NHMZ**: 31995.

Pipistrellus rueppellii fuscipes Thomas, 1913

South Sudan:

Amadi (0530N 3020E): **FMNH**: 78221, 78222, 78223 - Loa (034801N 315659E): **FMNH**: 68114 - Nyibor, Lake (06 55 N 30 10 E): **AMNH**: 184459, 184464 - Torit (0427N 3231E): **AMNH**: 184463 - Yirol (063324N 303013E, 438 m): **FMNH**: 78224, 78225.

Tanzania:

Nyamirembe (0232S 3142E): **AMNH**: 179300.

Uganda:

Dufile (033308N 315655E, 627 m): **FMNH**: 149697, 149698 - Entebbe (00 03 52 N 32 26 49 E, 1132 m): **AMNH**: 28603 - Entebbe, 60 mi [=90 km] W (0004N 3220E, 3 700 ft): **BMNH**: 1906.7.1.5 (Holotype *Pipistrellus fuscipes*) - Kasenyi (0002S 3009E, 3000 ft): **MVZ**: 124248 - Katwe (000830S 294949E, 770 m): **AMNH**: 82389, 82390 - Mweya (00 14 27 S 29 55 08 E, 3000 ft): **MVZ**: 124249, 124250, 124251 - Rhino Camp (0345N 3115E): **FMNH**: 29432.

Pipistrellus rueppellii pulcher (Dobson, 1875)

Tanzania:

Zanzibar (06 10 S 39 20 E): **BMNH**: 1868.12.22.3.

Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)

Egypt:

Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 123272, 86885, 89385, 89726, 89727, 91484, 91485, 91486, 91487, 91652, 93493, 93494, 93495, 93496, 93497, 93498, 93499, 93500, 93501, 93502, 93503; **USNM**: 368831, 368832, 368833, 368834, 368835, 368836, 368837.

Ethiopia:

Unknown locality: **BMNH**: 1972.4416_1, 1972.4416_2, 1972.4416_3.

South Sudan:

Wau, 100 mi N (9.16481N 28.000E): **FMNH**: 81595.

Sudan:

El Dueim (183000N 315000E, 271 m): **AMNH**: 83391 - Khartoum (15 35 17 N 32 32 03 E, 377 m): **FMNH**: 81559, 81560, 81561, 81562, 81563, 81564.

Tanzania:

Unknown locality: **BMNH**: 1978.1539.

Pipistrellus rueppellii senegalensis Dorst, 1960

Senegal:

Djoujdi Park (162400N 161500W): **MNHN**: ZM-MO-1995-2677 - Richard Toll (1625N 1542W, 10 m): **MNHN**: ZM-MO-1960-81 (Holotype *Pipistrellus Rüppelli senegalensis*) - Richard Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1982-1033.

Pipistrellus rueppellii vernayi Roberts, 1932

Angola:

Kuvango (14 28 00 S 16 18 00 E, 1448 m): **MCZ**: 28562.

Botswana:

Maun (19 59 S 23 25 E, 927 m): **AMNH**: 83630 - Mawn (1959S 2325E): **MCZ**: 29692.

South Africa:

Letaba-Olifants confluence, 2 km E (23 59 S 31 50 E): **AMNH**: 257365.

Zambia:

Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115830, 115831, 115832, 115833, 115834, 115835, 115836, 115837, 115838, 115839, 115840, 115841, 115842, 115843, 115844, 115845, 115846, 115847, 115848, 115849, 115850.

Pipistrellus rusticus (Tomes, 1861)

Botswana:

First Pole Bridge (19.57S 22.88E): **NHMZ**: 59214 - Four Rivers Camp (1903S 2310E): **HZM**: 7.8331; **NHMZ**: 54104, 54106, 54107, 54108, 54109, 54218, 63997, 63998, 63999 - Francis Town, 20 km N (2107S 2737E): **NHMZ**: 63995 - Molepolole (2424S 2531E): **MVZ**: 118020 - Nata R (19.75S 26.75E): **NHMZ**: 64152 - Nokaneng, 15 mi N (1925S 2216E): **USNM**: 425330, 575923, 575924 - Nokaneng, 21 km N (19.42S 22.27E): **USNM**: 518645 - Nunga (18.75S 23.5E): **NHMZ**: 80198 - Pandamatenga, 140 km SW (19.25S 24.75E): **NHMZ**: 80201 - Pom Pom (19.5S 22.75E): **NHMZ**: 59207 - Tamafupi (2116S 2610E): **HZM**: 6.4042 - Xugana (19.08S 23.1E): **USNM**: 575922 - Xugana (1905S 2306E, 975 m): **USNM**: 518648, 518649, 518650, 518651, 518653, 518654, 518656, 518658, 518659, 518660, 518661, 518662, 518664, 518665, 518666, 518670, 518671.

Burkina Faso:

Ouagadougou (12 22 13 N 01 31 29 W, 305 m): **SMF**: 60993, 60994.

Cameroon:

Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0614, 73.015-M-0615, 73.015-M-0616.

Central African Republic:

Unknown locality: **MNHN**: ZM-MO-1977-561 - Gounda camp (0919N 2112E): **CM**: 73728, 73729, 73730, 73731, 73732, 73733.

Egypt:

Unknown locality: **BMNH**: 1900.6.7.1, 1900.6.7.2.

Ethiopia:

Unknown locality: **BMNH**: 1970.2229_01, 1970.2229_02, 1970.2229_03, 1970.2229_04, 1970.2229_05, 1970.2229_06, 1970.2229_07, 1970.2229_08, 1970.2229_09, 1970.2229_10, 1970.2229_11, 1970.2229_12, 1970.2229_13, 1970.2229_14, 1970.2229_15, 1970.2229_16, 1970.2229_17, 1970.2229_18, 1970.2229_19, 1970.2229_20, 1970.2229_21, 1970.2229_22, 1970.2229_23, 1970.2229_24, 1970.2229_25, 1970.2229_26, 1970.2229_27, 1970.2231, 1970.2245, 1970.2256, 1972.4411_1, 1972.4411_2 - Aware Melca (0908N 3958E): **MZUF**: 6563 - Gambela (08 15 N 34 35 E, 514 m): **SMF**: 44830, 44831; **ZFMK**: 1973.0024, 1973.0027, 1979.0233 - Godare forest (0721N 3513E): **ZMMU**: S-168929, S-168931 - Godjeb valley, middle (0715N 3647E): **ZMMU**: S-166080 - Hirna and Deder, between (ca. 0920N, 4116E): **ZMMU**: S-168936 - Koi area (0639N 3514E): **ZMMU**: S-167224 - Sheko area (0706N 3526E): **ZMMU**: S-167221 - Wahina (1230N 3630E, 1006 m): **FMNH**: 28778.

Ghana:

Unknown locality: **BMNH**: 1976.745 - Damango, near (09 15 N 01 45 W): **ROM**: 60208, 60209.

Kenya:

Unknown locality: **BMNH**: 1974.7 - Kongelai: **ROM**: 81349, 81350, 81360, 81363, 91224.

Madagascar:

Morondava (2019S 4417E): **MNHN**: ZM-MO-1891-704.

Malawi:

Unknown locality: **BMNH**: 1987.1110, 1987.1111, 1987.1112, 1987.1113, 1987.1114, 1987.1115 - Madzeka hut (ca. 15 55 S 35 40 E): **DNSM**: 9127 - Nsanje (16 55 S 35 16 E, 14 m): **KM**: 1903.

Mozambique:

Manho Forest (15 22 09 S 37 03 40 E, 1750 m): **DNSM**: 9845.

Namibia:

Diyogha (18 05 S 21 28 E, 1037 m): **NMP**: pb5323, pb5324 - Gcangcu (17 57 S 19 11 E, 1143 m): **NMP**: pb5149 - Nyangana (18 00 S 20 41 E, 1020 m): **NMP**: pb5214, pb5215 - Okavango-Omatako Junction (1756S 2029E, 1080 m): **BMNH**: 1935.9.1.108 - Olifants Vlei (1800S 1730E): **BMNH**: 1907.1.1.419 (Lectotype *Scotophilus rusticus*), 1907.1.1.420 (Paralectotype *Scotophilus rusticus*) - Otjozondjupa (1922S, 1907E): **KM**: 1891, 1894 - Rundu, S (18.6S 19.7E): **KM**: 1896.

Niger:

Niamey, 12.9 km W (ca. 1331N 0160E): **ROM**: 54809.

Nigeria:

Borgu Game Reserve (10 15 00 N 04 10 00 E): **BMNH**: 1979.1731 - Zaria (1101N 0744E): **ROM**: 84081 - Zaria, north central: **ROM**: 74208, 74209.

Senegal:

Unknown locality: **SMF**: 92760 - Bandia (1437N 1702W): **MHNG**: 1131.020 - Richard Toll (162800N 154100W, 10 m): **MNHN**: ZM-MO-1984-1251 - Saboya (1341N 1611W): **MHNG**: 1131.018.

Somalia:

Giohar (0157N 4450E): **MZUF**: 6328.

South Africa:

Anthrax camp (22 25 30 S 31 12 30 E): **KNP**: 142, 144A; **TM**: 36813, 36814, 36815, 36816, 36817, 36818, 36838, 37809, 37810 - Blouberg Private Nature Reserve] (23 02 S 29 07 E, 584 m): **DNSM**: 13586, 13587, 13588 - Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes] (2441S 3050E): **TM**: 39971, 46480 - D'Nyala Provincial Nature Reserve (23 45 S 27 48 E): **TM**: 19970 - Farm Ferndale (2538S 2624E): **TM**: 23961 - Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence (2213S 2922E): **TM**: 40105, 40106, 41407, 41409, 41410 - Farm Greefswald 37MS, Shashi-Limpopo confluence (2213S 2922E): **CM**: 105716, 105717, 105718, 105719, 105720, 105721, 105722, 105723, 105727, 105728, 105729, 105732, 105733, 105734, 105735, 105741, 105742 - Farm Hartebeesthoek (24 47 S 27 45 E): **TM**: 39427, 39428, 39429 - Farm Hilda [=V.L.NR.] (2229S 2913E): **TM**: 45374, 45375 - Farm Kaalfontein 261, Ubumanzi Game Farm (2412S 2835E): **TM**: 45050, 45051 - Farm Mooigenoeg 83 (2442S 2620E): **TM**: 23549 - Farm Mooiplaas 94 (24 45 S 26 24 E): **TM**: 20455, 20468 - Farm Rhoda 9 (2403S 3106E): **TM**: 24275 - Farm Welgevonden (ca. 23 04 44 S 30 05 33 E): **DNSM**: 13613 - Farm Welgevonden 449 (23 32 S 28 26 E, 860 - 1277 m): **TM**: 23328 - Figtree camp (22 25 50 S 31 11 50 E): **TM**: 36775, 36776, 36777 - Figtree camp (222550S 311150E): **TM**: 36119, 36121, 36711, 36712, 36714, 36782, 36790, 36792, 36793, 36794, 36795, 37661, 37847, 38606 - Fountains Valley (2557S 2812E): **TM**: 45134 - Kgaswane Nature Reserve (25 43 13 S 27 11 07 E): **TM**: 48664 - Kleinfontein (2525S 2620E): **USNM**: 575288 - Klipfontein, Waterberg (24.13S 28.3E): **NHMZ**: 56074 - Kruger NP, Mockford's orchard, on Levubu River (2226S 3119E): **SNP**: CHIR. NKW 127 - Langjan Provincial Nature Reserve (224948S 291200E): **TM**: 41299 - Legogot (25.22S 31.25E): **BMNH**: 1906.82.34 - Letaba Highwater Bridge (23 48 40 S 31 34 56 E): **TM**: 39509, 39570 - Letaba Rest Camp, 1 km SE (23 51 43 S 31 34 47 E): **AMNH**: 257366, 257367, 257368, 257369; **TM**: 39582, 39586 - Leuvuhu River (2226S 3111E): **TM**: 36427, 36429, 36441 - Levuvhu Hippopool (22 25 51 S 31 10 51 E): **TM**: 30490, 30491, 30492, 30493, 30494, 30495, 30496, 30497, 30498, 30512, 30513, 30514, 30527, 34175, 34190, 34197, 34200, 34218, 34264, 36440 - Levuvhu River (2226S

3111E): **TM**: 36428 - Levuvhu River, opposite Shilawee stream (2226S 3111E): **TM**: 38716 - Limpopo province: **TM**: 48096 - Limpopo-Levuvhu river confluence (2225S 3111E): **TM**: 36982, 36983 - Logogotu [=Legogot] (2513S 3115E): **BMNH**: 1906.8.2.34, 1906.8.2.37 - Maditobe [= Witsand] Dam (22 41 S 31 02 E): **TM**: 39487 - Maditobe Witsand Dam (22 41 S 31 02 E): **TM**: 39477, 39478, 39479, 39480 - Maditobepan (22 41 S 31 02 E): **CM**: 98557, 98558 - Mahembane (2239S 3101E): **TM**: 30574 - Mahogany Drive (22 40 36 S 31 01 07 E): **KNP**: 127; **TM**: 29902, 29904, 29905 - Makalali (ca. 2352S 3022E): **TM**: 38262 - Messina Nature Reserve (22 23 S 30 03 E): **DNSM**: 5318, 5379, 5381, 5389, 5390, 5391, 5394, 5395, 5399, 5407, 5865, 5866, 5867 - Mosdene Private Nature Reserve (2428Da): **TM**: 19905 - New Figtree Forest (22 25 S 31 18 E): **TM**: 37909, 37910, 37911, 37912 - Nwanedzi River, old bridge over (24 24 S 31 50 E): **TM**: 39622 - Nwanetzi (242700S 315800E): **AMNH**: 257371 - Nwanetzi, 1 km N (2427S 3158E): **AMNH**: 257370, 257372 - Nylsvlei Nature Reserve (2440S 2843E): **TM**: 25686 - Old Picnic Site (22 25 18 S 31 12 49 E): **TM**: 37075, 37076, 37821, 37920, 37925, 37926, 37928, 39501, 39502, 39911, 39912, 39913 - Olifants Rest Camp, 7 km W (2401S 3139E): **TM**: 39594, 39600 - Olifants River (2528Ca): **TM**: 1091 - on Molopo Rd, Farm Ohkotso [=Voigt's] (2537S 2837E): **TM**: 34362 - Pafuri (22 24 36 S 31 06 36 E): **AMNH**: 257373, 257393; **TM**: 47137, 47144, 48523, 48524, 48525, 48526, 48527, 48579 - Pafuri area (222530S 311230E): **AMNH**: 257394 - Pafuri area, Mockford's Garden (22 26 S 31 18 E): **TM**: 30545, 38613, 38614 - Pafuri, Bridge (2225S 3111E): **TM**: 37860, 37861 - Pretoria Zoological Gardens, near (2542S 2810E): **TM**: 46887, 46917 - Punda Maria Camp, 2 km N (22 41 S 31 02 E): **AMNH**: 257374, 257375 - Punda Milia (22 41 51 S 31 01 12 E, 580 m): **TM**: 30584, 30613, 30649, 30650, 30651, 30652, 30653 - Punda Milia Camp (22 41 51 S 31 01 12 E, 580 m): **CM**: 69681, 69682, 69683, 69684 - Rissik Private Nature Reserve (2453S 2827E): **TM**: 20648, 20649, 20650, 20651, 20652, 20653, 20654, 20655, 20659 - Roodevaal Private Camp, 2 km SE (2408S 3136E): **TM**: 39682, 39683, 39690 - Shashanga windmill (22 39 S 30 59 E): **CM**: 69685, 69686, 69687, 69688, 69689 - Shashanga windmill (2240S 3059E): **TM**: 30674, 30675, 30677, 30687, 30688 - Shoshanguve (2524S 2804E): **TM**: 46650 - Soutpansberg (22 58 48 S 30 15 00 E): **KM**: 31378 - Tswaing Crater (252449S 280441E): **TM**: 46907 - Tswaing Crater, reception area (252449S 280441E): **TM**: 47098 - Waterberg Game Farm, at small man-made ponds within camp (240659S 282317E, 1410m): **TM**: 46398, 46400, 46401, 47093 - Waterberg, Farm Klipfontein 54JS (2408S 2808E): **TM**: 31271, 31274, 39407, 39408, 39409, 39410, 39411, 39412, 39413, 39414, 39512, 39513, 39514, 39515, 39516, 39517, 39518, 39519, 39520, 39521, 39545, 39546, 39547, 39548, 39554, 39555, 39556, 39557, 39558, 39559, 39560, 39561, 39562, 39813, 39814, 39815, 39879, 39880, 39881, 39882, 39883, 39884, 39885, 39886, 39887, 39889, 39890, 39891, 39892, 39894, 39895, 39901, 39903, 39904, 39905, 39906, 39907, 39908, 39935, 39936, 39938, 39939, 39940, 39941, 39942, 39945, 39950, 39951, 39954, 39975, 39976, 39979, 39980, 39981, 39982, 39983, 39986, 39987, 39988, 39989, 39991, 39992, 39993, 39994, 39995, 39996, 40031, 40032, 40033, 40034, 40035, 40036, 40174, 40175, 40176, 40177, 40179, 40181, 40182, 40183, 40184, 40186, 40187, 40188, 40189, 40190, 40191, 40192, 40193, 40194, 40195, 40196, 40229, 40230, 40231, 40232, 40233, 40234, 40235, 40236, 40285, 40286, 40287, 40288, 40289, 40290, 40291, 40292, 40293, 40315, 40316, 40317, 40318, 40319, 40320, 40321, 40322, 40323, 40324, 40325, 40326, 40327, 40328, 40887, 40888, 40889, 40890, 40891, 41330, 41331, 41332, 41333, 41334, 41335, 41336, 41337, 41338, 41339, 41340, 41341, 41342, 41343, 41344, 41345, 41346, 41347, 41348, 41349, 41350, 41351, 41352, 41353, 41354, 41355, 41356, 41357, 41358, 41359, 41360, 41361, 41362, 41363, 41364, 41365, 41366 - Waterberg, Lapalala Wilderness area (2351S 2809E): **TM**: 39791 - WNLA Dam (2427S 3158E): **TM**: 39645, 39646, 39647, 39648, 39649, 39650, 39651, 39652, 39653, 39654, 39655, 39670.

South Sudan:

Fula Rapids (03 36 38 N 32 01 17 E): **FMNH**: 78751 - Torit (0427N 3231E, 610 m): **FMNH**: 68111, 77701, 78483, 78484, 78485.

Sudan:

Jebel Marra, S foothills (1254N 2421E): **BMNH**: 1922.1.1.15 - Kadugli (11 00 N 29 43 E): **SMF**: 33282 - S Jebel Marra, foothills (1254N 2421E, 4 000 ft): **BMNH**: 1923.1.1.15 (Holotype *Pipistrellus marrensis*) - Tadoro (10 41 26 N 30 01 13E, 650 m): **SMF**: 33283.

The Gambia:

Madiyana Camp (13 33 57 N 16 31 54 W): **SMF**: 91063.

Uganda:

Budongo Forest (014416N 313322E, 4000 ft): **LACM**: 36160, 52018.

Zambia:

Unknown locality: **BMNH**: 1955.1099, 1955.1100, 1955.1101, 1955.1108, 1955.1109, 1955.1110, 1955.1111, 1955.1112, 1955.1113, 1955.1114, 1955.1115, 1955.1116 - Balovale (13 33 00 S 23 07 00 E, 1090 m): **AMNH**: 115905; **KM**: 1900, 1901, 1991 - Lochinvar (15 55 S 27 15 E): **NMZL**: 2803 - Lonchinvar (1515S 2715E): **HZM**: 8.11411 - Lunyuwi river (1319S 2313E): **HZM**: 1.3090 - Manyinga River (1327S 2433E): **HZM**: 2.3283 - Muckle Neuk (16.63S 27.0E): **NMZL**: 2736 - Naleza (1527Ad): **UZMZ**: 547 - Ndanda Dambo (14.75S 23.75E): **NHMZ**: 33192 - Senenga, 50 km NE (15.62S 23.37E): **NHMZ**: 33199.

Zimbabwe:

Angwa bridge, 7 km SW (1715S 3000E): **MNHN**: ZM-MO-1990-931 - Benzie's Bridge, Shangani R. (18.81S 27.9E): **NHMZ**: 33631 - Bulawayo (20 09 00 S 28 35 00 E, 1351 m): **NHMZ**: 57614 - Chamatema Dam (22.35S 31.1E): **NHMZ**: 84078 - Chete, Eastern Section (17.37S 27.62E): **NHMZ**: 57450 - Dwala Ranch (21.12S 29.62E): **NHMZ**: 31177 - Groenko Farm (19.7S 32.85E): **NHMZ**: 58812 - Hostes Nicolle Institute: **ROM**: 83969, 84015 - Insuza Vlei, Gwaai Forest (19.25S 28.0E): **NHMZ**: 54111 - Marivalle Ranch (18.75S 29.75E): **NHMZ**: 84464 - Pesu R Gorge (22.28S 31.2E): **NHMZ**: 84137 - Rhodes Matopos -Nature Park [=Matobo National Park] (20 33 S 28 33 E): **NHMZ**: 59652 - Safari Farm (18.0S 31.5E): **NHMZ**: 63212 - Sengwa Wildlife Research Area (18 10 S 28 13 E): **NHMZ**: 30039, 59651 - Sengwa Wildlife Research Station (1810S 2813E): **NHMZ**: 58939; **TM**: 34887 - Sentinal Ranch (2210S 2930E): **NHMZ**: 9891, 9892, 9893, 9896, 9901 - Sentinel Ranch (22 10 10 S 29 30 20 E): **HZM**: 3.3284, 4.3285, 5.3286; **NHMZ**: 30663, 30823 - Tuli Safari Area (21.75S 29.0E): **NHMZ**: 83867 - Volunteer Farm, Main Camp (18.82S 27.63E): **NHMZ**: 31966 - Volunteer farms (1849S 2738E): **NHMZ**: 31992 - Westwood Lodge (17 55 00 S 25 32 00 E): **NHMZ**: 60680.

Plecotus E. Geoffroy St.-Hilaire, 1818

Canary Islands (Spain):

Cuevas de Marcos (28 45 45 N 017 50 24 W): **ZMA**: MAM.23440.

Cape Verde:

Vila do Maio, 2 km N (ca. 15 10 N 23 13 W): **MNHN**: ZM-MO-1983-1467.

Plecotus balensis Kruskop & Lavrenchenko, 2000

Ethiopia:

Abiyacula (ca. 12 02 N 39 03 E): **EBD**: MAM 25788 - Abune Yosef, mountain (12 07 N 39 10 E, 3842 m): **EBD**: MAM 25811, MAM 25842, MAM 25843, MAM 25844 - Harenna Forest (06 45 N 39 44 E, 2760 m): **ZMMU**: S-164904 (Holotype *Plecotus balensis*).

Plecotus christii Gray, 1838

Egypt:

Unknown locality: **BMNH**: CN66a; **MCZ**: 32976 (Topotype *Plecotus ægyptiacus*); **MZUF**: 247 - Abu Rawash (30 02 44 N 31 05 33 E, 6 m): **FMNH**: 123273 - Ain Hudra (29 30 46 N 34 03 25 E): **NMP**: 90523 (Paratype *Plecotus christii petraeus*) - Ain Sudr (29 48 57 N 33 06 38 E): **NMP**: 90533 (Paratype *Plecotus christii petraeus*) - Al Qasr (312200N 270700E): **NMP**: 92577 - Al Qasr (312200N 270700E, 20 m): **NMP**: 92576 - Bir Nagat (ca. 27 06 N 33 22 E): **NMP**: 90118, 90119 - Cairo, Gizeh and Theben, between (ca. 25 43 N 32 38 E): **BMNH**: 1892.9.9.17, 1892.9.9.19 - Cairo, near (ca. 29 58 N 31 07 E): **MSNG**: 54781 - El Milga (28 33 22 N 33 58 33 E): **NMP**: 90497 (Paratype *Plecotus christii petraeus*) - El Tur (281414N 333650E, 17 m): **NMP**: 90518 (Paratype *Plecotus christii petraeus*), 90519 (Paratype *Plecotus christii petraeus*) - El Tur (2814N 3337E): **BMNH**: 1903.12.8.5 (Paratype *Plecotus christii petraeus*); **ZMB**: 75679 - Giza Pyramids (29 58 N 31 07 E): **CAS**: 21001, 21002 - Gizeh pyramids (2959N 3107E): **BMNH**: 1892.9.9.18 - Hindaw (ca. 25 29 N 28 59 E): **NMP**: 93849 - Nile: **BMNH**: 1864.12.17.1.bis, 1864.12.17.2.bis - Nile Valley between Qena and Aswan: **BMNH**: 1866.a (Lectotype *Plecotus christii*) - Saqqara (29 51 N 31 13 E, 19 m): **FMNH**: 77824, 79165, 87770; **USNM**: 312818, 312819, 312820 - Siwa Oasis (2911N 2531E): **BMNH**: 1936.2.10.18; **FMNH**: 79673, 79674, 79675, 79676; **USNM**: 297750, 297751, 297752, 297753, 297754, 297755 - Thebes (25 41 59 N 32 34 55 E): **MSNG**: 45050 - Um Hashiba (30.278803 N 33.082587 E): **TAU**: M.7160 - western edge of Feiran Oasis (28 43 N 33 37 E, 595 m): **NMP**: 90496 (Holotype *Plecotus christii petraeus*), 90499 (Paratype *Plecotus christii petraeus*).

Ethiopia:

Schoa (09 00 N 39 00 E): **SMF**: 28225.

Libya:

Al Jaghbub (29 44 33 N 24 31 04 E, 0 m): **NMP**: 49862, 49863 - Giarabub Oasis (2945N 2431E, 0 m): **MSNG**: 26219a, 26219b, 26220a, 26220b, 47016.

Morocco:

Ouarzazate, 19 km E (3057N 0643W): **USNM**: 476646, 476647.

Sudan:

5th cataract of the Nile (1832N 3341E): **BMNH**: 1849.2.8.35 - Ferka (20 55 59 N 30 35 23 E): **NMP**: 93679.

Tunisia:

El Houaria (37 03 N 11 01 E): **SMF**: 22352 - near Aioun Ameur (ca. 3419N 0809E): **FMNH**: 152778, 152779.

Plecotus gaisleri Benda, Kiefer, Hanak & Veith, 2004

Morocco:

Meknés-Tafialet: **MHNG**: 1806.051.

Plecotus teneriffae Barrett-Hamilton, 1907

Algeria:

Annaba (3655N 0745E): **UANK**: 12334/33, 12335/5 - Oumash (3441N 0541E): **BMNH**: 1912.11.14.3.

Canary Islands (Spain):

Orotava (28 46 N 17 45 W): **BMNH**: 1887.4.18.1 (Holotype *Plecotus teneriffae*).

Libya:

Beida (3241N 2133E): **NMW**: 30132, 30133, 30134, 30135, 30136, 30137, 30138, 30143, 30144, 30145, 30146, 30147, 30148 - Quasr Shadane (3236N 2134E): **NMW**: 30139, 30140, 30141, 30142 - Wadi al Kuf [= Jabal Akhdar Mts] (3242N 2135E, 330m): **NMP**: 49905 (Paratype *Plecotus teneriffae gaisleri*), 49906 (Paratype *Plecotus teneriffae gaisleri*), 49907 (Paratype *Plecotus teneriffae gaisleri*), 49908 (Paratype *Plecotus teneriffae gaisleri*), 49909 (Paratype *Plecotus teneriffae gaisleri*), 49910 (Paratype *Plecotus teneriffae gaisleri*), 49911 (Holotype *Plecotus teneriffae gaisleri*).

Madeira (Portugal):

Madeira (32 44 N 17 00 W): **MNHN**: ZM-MO-1959-169.

Malta:

Malta: **BMNH**: 1854.7.13.1.

Morocco:

Bou Izakarne (29 09 36 N 09 43 48 W, 617 m): **MNHN**: ZM-MO-1983-511 - Chechaouèn (35 10 17 N 05 16 11 W, 564 m): **EBD**: MAM 8971 - Figuig (3207N 0113W): **BMNH**: 1963.1591 - Jebel Tisouka (35 09 38 N 05 13 02 W, 1100 m): **EBD**: MAM 15355, MAM 15357 - Kef Azigza cave (32 02 N 03 47 W, 1060 m): **EBD**: MAM 25781 - Kef-el-Rhar, cave [=Grotte de Kef-el-Rhar] (342848N 041536W): **NMW**: 27934 - Ksar-es-Souk (3201N 0346W): **NMW**: 27935, 27936, 27937, 27938, 27939, 27940, 27941, 27942, 27943, 27944 - Lead mine [=Mine de Plomb] (3405N 0407W): **NMW**: 27933 - Moulay Abdeslam, 5 km W (35 19 N 05 34 W): **EBD**: MAM 15509 - Ouarzazate, 19 km E (3057N 0643W): **USNM**: 476627, 476628, 476629, 476630, 476631, 476632, 476633, 476634, 476635, 476636, 476637, 476639, 476640, 476641, 476642, 476643, 476644, 476645, 476648, 478320, 478321, 478322, 478323, 478324, 478325, 478326, 478327, 478328 - Ouarzazate, 5 km S (3052N 0655W): **USNM**: 470709, 477021 - Ouarzazate, 5 km SW (3053N 0657W): **USNM**: 476638 - Ouarzazate, 6 km N (3055N 0655W): **USNM**: 470707, 470708, 477020 - Taza, 13 km S (3409N 0404W): **USNM**: 476649, 476650 - Tazarine (335249N 041048W, 1395 m): **USNM**: 470710, 470711.

Tunisia:

Djebel Ank mine (3414N 0901E): **TTU**: 63115, 63116, 63117, 63118, 63119, 63120, 63121 - Douirat (3257N 1015E): **BMNH**: 1891.10.15.2, 1891.10.15.3, 1891.10.15.4, 1891.10.15.5, un.reg - Foum Tatahouine, 2 km S (3255N 1027E): **TTU**: 63133, 63134, 63135, 63136, 63137 - Redeyef, 4 km S (ca. 3419N 0809E): **TTU**: 63097, 63098, 63099, 63100,

63101, 63102, 63103, 63104, 63105, 63106, 63107, 63108, 63109, 63110, 63111, 63112, 63113, 63114 - Tatahouine (3256N 1027E, 246 m): **MNHN**: ZM-MO-1962-2631, ZM-MO-1962-2631 A, ZM-MO-1962-2631 B - Toujane, 3 km NW (3330N 1008E): **TTU**: 63122, 63123, 63124, 63125, 63126, 63127, 63128, 63129, 63130, 63131, 63132.

Scotoecus Thomas, 1901

South Sudan:

Andari Payam, Bangangai Game Reserve, location 7 (04 52 28 N 27 40 53 E, 694 m): **USNM**: 586767 - Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1 (06 07 57 N 27 43 31 E, 535 m): **USNM**: 586806 - Bangangai Game Reserve, Location 1 (04 54 20 N 27 42 19 E, 698 m): **USNM**: 587215 - Bangangai Game Reserve, location 6 (04 52 39 N 27 40 33 E, 719 m): **USNM**: 586749, 586754 - Kabi stream (03 56 52 N 31 34 41 E, 929 m): **USNM**: 587050, 587051, 587052, 587095, 587661, 587668, 587672, 587681, 587687 - Kangapo Two Payam (03 43 45 N 31 34 17 E, 769 m): **USNM**: 587724 - Kijiri Village (03 45 00 N 31 35 00 E, 897 m): **USNM**: 587744 - Kombi stream, behind Reeder compound (03 55 58 N 31 36 17 E, 950 m): **USNM**: 587707, 587753 - Kungupuri (Bekat) Stream (03 52 47 N 31 38 42 E, 931 m): **USNM**: 586962 - Yambio, Wildlife Office compound (04 34 15 N 28 23 55 E, 652 m): **USNM**: 587208, 587213, 587302.

Tanzania:

Mahenge Scarp Forest Reserve (0837S 3643E, 800 m): **FMNH**: 182611.

Scotoecus albigula Thomas, 1909

Angola:

Lake Calundo [= Lac Calundo] (1148S 2052E, 1150m): **BMNH**: 1963.1042; **MDL**: 5625.

Kenya:

Barberton Farm: **ROM**: 36369 - Hoey's bridge (00 52 34 N 35 07 13 E, 1822 m): **BMNH**: 1975.2592, 1975.2592_1, 1975.2592_2, 1975.2592_3, 1975.2593, 1975.2594 - Kitale, 20 mi SW (0045N 3445E, 1951 m): **FMNH**: 152781, 152782, 152783, 152784 - Mt. Elgon: **BMNH**: 1910.4.1.24.

Malawi:

Unknown locality: **BMNH**: 1987.1141 - Thondwe (1530S 3527E): **BMNH**: 1987.1142.

Mozambique:

Zinave-NP (2133Ba): **NHMZ**: 63247.

Somalia:

Jubba Valley, Shonto Forest (0101N 4236E): **BMNH**: 1987.85.

Tanzania:

Mbeya region: **SMF**: 70448.

Uganda:

Amudat (0158N 3457E): **USNM**: 436764, 436765.

Zambia:

Fort Jameson [= Chipata] (13.62S 32.65E): **KM**: 1982 - Fort Jameson District (133000S 321000E): **KM**: 1983 - Luangwa Valley, Mfuwe (1331bb): **NHMZ**: 63220 - Luangwa Valley, Petauke (14.05S 31.08E): **BMNH**: 1907.1.11.6 - Ndanda Dambo (1423dd): **NHMZ**: 33059, 33060, 33061, 33062, 33063, 33064, 33065, 33066.

Scotoecus albofuscus (Thomas, 1890)

Benin:

Bimbereke (1014N 0240E, 449 m): **USNM**: 421402.

Cameroon:

Obala, 55 km NE (ca. 0422 N 1158E): **AMNH**: 241054.

Central African Republic:

Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-1018, ZM-MO-2000-1019, ZM-MO-2000-1020.

Congo (Democratic Republic of the):

Baudouinville (070300S 294700E, 763 m): **RMCA**: 22412.

Côte d'Ivoire:

Unknown locality: **RMCA**: 97.077-M-3211 - Lamto Ecology Station (06 13 N 05 02 W): **MNHN**: ZM-MO-1985-1748, ZM-MO-1985-1749, ZM-MO-1985-1750, ZM-MO-1985-1751, ZM-MO-1985-1752, ZM-MO-1985-1753, ZM-MO-1985-1754, ZM-MO-1985-1755, ZM-MO-1985-1756, ZM-MO-1985-1757, ZM-MO-1985-1758, ZM-MO-1985-1759, ZM-MO-1985-1760, ZM-MO-1985-1761, ZM-MO-1985-1762, ZM-MO-1985-1763, ZM-MO-1985-1764, ZM-MO-1985-1765, ZM-MO-1985-1766, ZM-MO-1985-1767, ZM-MO-1985-1768, ZM-MO-1985-1772, ZM-MO-1985-1773, ZM-MO-1985-1774, ZM-MO-1985-1775, ZM-MO-1985-1776, ZM-MO-1985-1777, ZM-MO-1985-1778, ZM-MO-1985-1779, ZM-MO-1985-1780, ZM-MO-1985-1781, ZM-MO-1985-1782, ZM-MO-1985-1783, ZM-MO-1985-1784, ZM-MO-1985-1785, ZM-MO-1985-1788, ZM-MO-1985-1958, ZM-MO-1985-563, ZM-MO-1985-564, ZM-MO-1985-565, ZM-MO-1985-566, ZM-MO-1985-567, ZM-MO-1985-568, ZM-MO-1985-569, ZM-MO-1985-570, ZM-MO-1985-571, ZM-MO-1985-572, ZM-MO-1985-579, ZM-MO-1985-580, ZM-MO-1985-581, ZM-MO-1985-582, ZM-MO-1985-583, ZM-MO-1985-584, ZM-MO-1992-587.

Ghana:

Doyum (05 54 N 00 01 E, 46 m): **ROM**: 60232, 60243.

Kenya:

Gazi (0425S 3930E, 3 m): **ROM**: 81229 - Lake Bilisa (021401S 400758E): **ROM**: 71333 - Mukanda river (04 10 S 39 27 E, 152 m): **ROM**: 59205, 59206, 59207, 59208 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 74510, 74514, 74516, 74517, 74518, 74519, 74522, 74524, 74526 - Tiwi (04 14 S 39 35 E, 5 m): **ROM**: 83950, 91234 - Tiwi Beach (04 14 00 S 39 35 00 E, 2 m): **AMNH**: 237386.

Malawi:

Chiromo (16 33 00 S 35 08 00 E, 42 m): **BMNH**: 1917.2.1.1 (Holotype *Scotoecus woodi*), 1917.2.1.2, 1917.2.11, 1922.12.17.67, 1922.12.17.67_1, 1922.12.17.67_2, 1922.12.17.67_3, 1922.12.17.69.

Mali:

Samaya (12 32 58 N 08 03 19 W, 299 m): **MNHN**: ZM-MO-1996-394, ZM-MO-1996-395.

Mozambique:

Zinave-NP (2133Ba): **NHMZ**: 63200.

Niger:

Niamey, 8 km W (1331N 0202E): **ROM**: 54819.

Nigeria:

Unknown locality: **BMNH**: 1908.10.6.11 - Yankari (09 36 N 10 40 E, 276 m): **ROM**: 74210.

Sierra Leone:

Unknown locality: **BMNH**: 1896.12.31.1 - Outamba-Kilimi-NP (0945N 1210W): **USNM**: 547029 - Outamba-Kilimi-NP, HQ, W bank Kaba river (0940N 1210W): **USNM**: 547028.

South Africa:

St. Lucia (28 23 S 32 25 E, 23 m): **DNSM**: 4885 - Yellow Wood Park (29 54 57 S 30 56 18 E, 118 m): **DNSM**: 6931.

Tanzania:

Itumba: **HZM**: 1.1771, 2.1955 - Lindi region: **SMF**: 82537.

The Gambia:

Unknown locality: **BMNH**: 1911.6.10.12 - Bathurst [=Banjul] (13 27 11 N 16 34 39W, 0 m): **BMNH**: 1889.12.12.2 (Holotype *Scotophilus albofuscus*).

Uganda:

Dufile (033308N 315655E, 627 m): **FMNH**: 149696 - Moyo, 10 mi [=16 km] E (03 39 N 31 43 E, 750 -1067 m): **ROM**: 59139, 59140.

Zambia:

Lusaka (15.42S 28.27E): **TM**: 48306.

Scotoecus hindei Thomas, 1901

Cameroon:

Mokolo - Mayo Louti (10 42 00 N 13 44 00 E): **RMCA**: 73.015-M-0620, 73.015-M-0621 - Ngaoundéré, 14 km N (ca. 07 20 N 13 35 E): **AMNH**: 241055 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0618, 73.015-M-0619, 73.017-M-0256.

Congo (Democratic Republic of the):

Kapolowe (11 02 00 S 26 57 00 E, 1135 m): **RMCA**: 22192 - Niangara (03 42 00 N 27 52 00 E, 644 m): **AMNH**: 49320.

Ethiopia:

Bulcha Forest (06 11 N 38 10 E, 1800 m): **BMNH**: 1970.2262, 1970.4422 - Didessa River (ca. 09 57 N 35 41 E, 1190 m): **BMNH**: 1972.4423 - Kulfo river: **HZM**: 5.24689, 6.24690.

Kenya:

Unknown locality: **BMNH**: 1975.2586_1, 1975.2586_2 - Archer's Post (0039N 3741E): **USNM**: 182690, 182691, 182692 - Archer's Post (0039N 3741E, 750 m): **ROM**: 48599, 48600 - Baringo, 30 mi NW (ca. 0030N 3550E): **BMNH**: 1914.7.31.13 - Baringo, lake (003400N 360100E, 3000 ft): **ROM**: 36374, 36375, 65930 - Diani Forest (04 20 S 39 32 E): **ZMA**: MAM.20777 - Endebess (0104N 3451E): **ROM**: 67952, 67953 - Guaso Nyiro, above junction with Meru river (0035N 3732E): **MCZ**: 8870 - Isiolo (0020N 3736E, 750 m): **ROM**: 68432 - Isiolo, 18 km SE (0020N 3745E): **ROM**: 77497, 77499, 77500, 77510, 77511 - Kaiboni River (0126N 3504E, 1372 m): **ROM**: 38291 - Kalanzoni (ca. 0146S 3722E): **ROM**: 100140 - Kamama (0026S 3728E, 1219 m): **ROM**: 38290 - Kilanguni Lodge (025400S 380400E, 914 m): **ROM**: 36370, 36371 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **ROM**: 73338, 73339, 73340, 73343 - Kitale, 22 km W (0101N 3449E): **ROM**: 73315, 73320 - Kitui (0122S 3801E, 3 500 ft): **BMNH**: 1901.2.5.1 (Holotype *Scotœcus Hindei*) - Konza Farm (014500S 370700E): **ROM**: 100126, 100128, 100129, 100130, 100131, 100132, 100133, 100134, 100135, 100136, 100137, 100144, 100145, 100146, 100148 - Lakiundu River: **USNM**: 182689, 184821 - Makindu River (020925S 375425E, 975 m): **ROM**: 65956 - Mard River (ca. 0115S 3545E, 1372 m): **ROM**: 48714 - Marigat (002800N 355900E, 1062 m): **ROM**: 68579 - Masol Location (013900N 354200E, 762 m): **ROM**: 40224, 40234, 40237 - Maungu Hill: **ROM**: 68094, 68102, 68116 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E): **ROM**: 91233 - Mtito Andei (0240S 3810E, 769 m): **ROM**: 48700 - Mtito Andei, near (ca. 0241S 3810E, 2500 ft): **AMNH**: 219749, 219750, 219751, 219752, 219753, 219754, 219755, 219756 - Muumandu Market (014000S 371700E): **ROM**: 100001, 100002, 100003, 100004, 100005, 100006, 100007, 100008, 100009, 100010, 100011, 100012, 100018, 100019, 100020, 100022, 100023, 100024, 100025, 100026, 100027, 100028, 100029, 100030, 100031, 100032, 100033, 100034, 100035, 100036, 100037, 100040, 100049, 100062, 100063, 100068, 99996, 99997, 99998, 99999 - NE Cherangani Hills, Kipsain river (0107N 3506E, 1951 m): **ROM**: 81333, 81334, 81335, 81336, 81337, 81338, 81339, 81340, 81341, 81342, 81343, 81344, 81345, 81346, 81347 - Nyangala hill (0337S 3844E): **ROM**: 71206, 71207, 71233, 71234, 71235, 71236 - on Galole Road (013013S 400144E): **ROM**: 71273, 71274, 71275, 71276, 71277, 71278, 71279, 71280, 71281, 71282, 71283, 71284, 71285, 71286, 71287, 71288, 71289, 71290, 71291, 71292, 71338, 71339 - Ortum (0121N 3521E, 610 m): **ROM**: 65928, 65929 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 71034, 71035, 71036, 71037, 71038, 71039, 71040, 71041, 71064, 71065, 71067, 71068, 71069, 71070, 71071, 71072, 71433 - Saiwa river (0116N 3507E, 600 m): **ROM**: 65919, 65920, 65921, 65922, 65923, 65924, 65925, 65926, 65927 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 36372, 36373, 38331, 38332, 38383, 40201, 40202, 40203, 40223, 40225, 40227, 40229, 40230, 40231, 40233, 40235, 40236, 40325, 40326, 40327, 40328, 40329, 40330, 40331 - Sokoke Forest (03 29 00 S 39 50 00 E, 200 ft): **ROM**: 48696 - Watamu Beach (03 21 S 40 01 E, 0 m): **ZMA**: MAM.20776 - Wei Wei River (ca. 01 30 00 N 35 30 00 E): **BMNH**: 1914.7.31.15, 1914.7.31.16, 1914.7.31.17, 1968.481, 1968.482.

Malawi:

Unknown locality: **BMNH**: 1987.1140 - Administration Camp (12 55 00 S 33 07 00 E, 1000m): **ZMA**: MAM.21695 - Likabula mission (15 57 S 35 24 E): **TM**: 41785, 41803, 41804, 41811 - Liwonde National Park (14 52 S 35 21 E, 700 m): **BMNH**: 1987.1139.

Mozambique:

Envirotrade site (18 58 42 S 34 10 33 E): **DNSM**: 9372 - Magude-Mapulenguene (24.94134S 32.54862E): **DNSM**: 9376 - Malacus (2133cd): **NHMZ**: 63249 - Massangena (21 33 18 S 32 57 38 E, 115 m): **DNSM**: 8554 - Ribaue, 27 km W (14 58 15 S 38 04 46 E, 587 m): **DNSM**: 8553.

Nigeria:
Unknown locality: **BMNH**: 1916.3.8.1, 1938.9.30.1 - Jos (09 55 N 08 54 E, 1217 m): **BMNH**: 1966.1466 - Kabwir: **BMNH**: 1915.10.8.1 (Holotype *Scotoecus falabæ*) - Kamuku Game Reserve (104817N 061747E): **ROM**: 86292 - Samaru (1110N 0738E, 730 m): **ROM**: 74211.

South Sudan:
Loa (034801N 315659E): **FMNH**: 78217 - Nzara (04 38 36 N 28 15 11 E, 595 m): **BMNH**: 1977.609, 1977.614, 1977.615, 1977.616, 1977.618, 1977.619, 1977.620 - Nzara West (04 38 N 28 15 E, 710 m): **BMNH**: 1977.610, 1977.611, 1977.612, 1977.613, 1977.617 - Torit (0427N 3231E, 610 m): **FMNH**: 77653 - Yirol District (ca. 0633N 3030E, 3000 ft): **AMNH**: 184460.

Tanzania:
Arusha National Park (031500S 364500E): **AMNH**: 268461, 268463 - Capri Point (02 31 37 S 32 53 22 E): **ZMA**: MAM.22391 - Dodoma: **BMNH**: 1973.27 - Foley's Camp (0348S 3604E, 999 m): **FMNH**: 187145, 187147, 187148, 187149, 187227, 187228 - Gonja Forest Reserve (04 16 S 38 02 E, 550 m): **FMNH**: 151203, 151205, 151451, 151452 - Isamilo (International School) (02 30 30 S 32 54 23 E): **ZMA**: MAM.22392 - Kilimanjaro, Mount (030400S 372200E, 4600 ft): **AMNH**: 219757 - Kondoa (045400S 354700E, 1405 m): **MNHN**: ZM-MO-1885-178 - Mtondo River: **BMNH**: 1973.1719 - Simiyu river (02 33 00 S 33 25 00 E, 1067 m): **FMNH**: 73070 - Tanga region: **SMF**: 86383, 93363 - Tarangire National Park (0348S 3604E, 1081 m): **FMNH**: 187146 - Tarangire National Park (0348S 3604E, 1128 m): **FMNH**: 158018, 158019, 158020, 158021.

Uganda:
Bunyoro (0145N 3135E, 1071 m): **ROM**: 46435, 46436, 46437, 46462, 46463, 46470, 46492 - Bunyoro (0145N 3135E, 1219 m): **ROM**: 46656 - Bunyoro (0145N 3135E, 1371 m): **ROM**: 40148, 40149 - Nabumali (00 59 N 34 12 E, 1268 m): **BMNH**: 1965.3435 - Sonsor river (0146N 3133E, 1219 m): **ROM**: 46600, 46631, 46632 - Waisoke river (0146N 3133E, 1219 m): **ROM**: 46576, 46577, 46578, 46579 - West Madi (03 30 N 31 35 E): **BMNH**: 1963.1151.

Zambia:
Luangwa River (1245S 3205E): **LACM**: 69965, 69966, 69967, 69968, 69969, 69970, 69971 - Luangwa Valley, Mfuwe (13.08S 31.78E): **NMZL**: 3377 - Lufupa camp [site3] (14 36 48 S 26 11 17 E): **NMZL**: ECJS-35/2008, ECJS-36/2008.

Scotoecus hirundo (de Winton, 1899)

"Africa":
Unknown locality: **AMS**: M.29849; **MNHN**: ZM-MO-1991-285; **ZMA**: MAM.26221, MAM.26222.

Benin:
Bimbereke (1014N 0240E, 449 m): **USNM**: 420010, 420011, 420012, 420013, 420014, 421403, 421404, 421405, 421406, 421407, 421408, 421409, 421410, 421412, 421413, 421414, 421415, 421416.

Cameroon:
Mayo Darle, 6 km N (ca. 0628N 1133E): **ROM**: 55890, 55891, 55892 - Wakwa (07 14 00 N 13 35 00 E, 1143 m): **RMCA**: 73.017-M-0255 - Yagoua (10 20 34 N 15 14 26 E, 313 m): **RMCA**: 73.015-M-0622, 73.015-M-0623, 73.017-M-0254, 73.017-M-0257.

Central African Republic:
Sangha (ca. 03 07 N 16 07 E): **MNHN**: ZM-MO-2000-874.

Côte d'Ivoire:
Unknown locality: **SMF**: 91994, 91995, 91996, 91997.

Ethiopia:
Unknown locality: **BMNH**: 1976.815, 1976.815_1, 1976.815_2, 1976.815_3, 1976.815_4, 1976.815_5, 1976.816, 1976.817, 1976.818, 1976.819 - Bulcha Forest (06 11 N 38 10 E, 1800 m): **BMNH**: 1972.4422 - Chano (06 07 N 37 34 E, 1206 m): **SMF**: 49136 - Didessa River (ca. 09 57 N 35 41 E, 1190 m): **BMNH**: 1972.4421 - Gambela (08 15 N 34 35 E, 514 m): **BMNH**: 1970.2263, 1970.2263_1, 1970.2263_2, 1970.2263_3, 1970.2263_4, 1970.2263_5, 1970.2263_6, 1970.2263_7, 1970.2263_8, 1970.2264, 1970.2265, 1970.2266, 1970.2267, 1970.2268, 1970.2269, 1970.2270, 1972.4420; **SMF**: 44834, 44835; **USNM**: 462754, 462755, 462756, 462757 - Gambela Hizboch region [=Gambela region]: **SMF**: 41834.

Ghana:
Unknown locality: **BMNH**: 1976.772 - Gambaga (10 32 N 00 26 W, 312 m): **BMNH**: 1899.6.15.8 (Holotype *Scotophilus hirundo*) - Mole National Park (0950N 0149W): **BMNH**: 1976.771 - Sakpa (08 52 00 N 02 21 00 W, 255 m): **USNM**: 414994, 414995, 414996, 414997, 414998, 414999, 415000, 420003, 420004, 420005, 420006, 479499, 479500.

Kenya:
Unknown locality: **BMNH**: 1891.9.7.3, 1912.7.1.15, 1912.7.1.16, 1912.7.1.17, 1975.2580, 1975.2581, 1975.2582, 1975.2583, 1975.2584, 1975.2585, 1975.2586, 1975.2587, 1975.2588, 1975.2589, 1975.2591; **MNHN**: ZM-2004-1272, ZM-2004-1273 - 15 mi up from Tanganyika border, Mara river, 15 mi up (ca. 0016S 3745E): **USNM**: 350997 - Archer's Post (0039N 3741E): **USNM**: 184360 - Barberton Farm pool (0049N 3449E): **ROM**: 78266, 78267, 78268, 78269, 78270, 78271, 78272, 78273; **USNM**: 350998, 350999, 351000, 351001 - Buffalo Springs Camp (00 37 N 37 39 E): **SMF**: 48671 - Cherangani Hills (01 15 S 35 27 E): **WAM**: M16525 - Cherangany (0059N 3513E, 1890 m): **FMNH**: 152790, 152791 - Governor's Camp (01 24 37 S 34 29 19 E): **SMF**: 48672, 48673, 48674 - Isiolo (0020N 3736E): **USNM**: 351003 - Jagartek and Talek rivers junction, 8 km above (01 22 S 35 15 E): **ROM**: 78265 - Kabarsear,ca 15 mi NNE (0056N 3552E, 762 m): **USNM**: 548540 - Kabarsera (0056N 3552E, 762 m): **USNM**: 548510, 548511, 548512, 548513, 548514, 548515, 548516, 548517, 548518, 548536, 548537, 548538, 548541 - Kabarsera,ca 15 mi NNE (0056N 3552E, 762 m): **USNM**: 548539 - Kapsania (01 29 00 N 35 28 00 E): **SMF**: 39443 - Kiboko (02 11 00 S 37 43 00 E, 914-945 m): **USNM**: 436746, 436747, 436748, 436749, 436750, 436751, 436752, 436753, 436754 - Kiboko, 4 mi [= 6.4 km] E (021100S 374300E): **USNM**: 351002 - Kibwezi (02 25 00 S 37 58 00 E, 3000 - 4000 ft): **USNM**: 436755, 436756, 436757, 436758, 436759, 436760, 436761, 436762, 436763 - Kisiaunet: **NMK**: 7572 - Kitale (01 01 00 N 35 00 00 E, 1896 m): **USNM**: 436766, 436767, 436768, 436769 - Kitale, 20 mi SW (0045N 3445E, 1830-2134 m): **FMNH**: 152792, 152793, 152794 - Kithimani area (011112S 372649E): **ROM**: 71421 - Kongelai Escarpment, Tambala Falls (1829 m): **FMNH**: 152800 - Kongelai Escarpment, Tambala Falls (2134m): **FMNH**: 152801 - Lakiundu River: **USNM**: 184364 - Lamu town, NW of (ca. 02 16 42 S 40 54 12 E, 1 m): **MSU**: MR.33435 - Maweni River (0344S 3945E): **FMNH**: 152789 - Molo river (0155S 3545E, 1067 m): **ROM**: 75480, 75482, 75494, 75495, 75496 - Morok River (002028N 353756E, 1372 m): **ROM**: 75422, 75429, 75430 - Mt Elgon foothills, Barberton farm (ca. 0047N 3450E, 1951 m): **FMNH**: 152795, 152796, 152797, 152798,

152799 - Mukanda river (04 10 S 39 27 E, 152 m): **CUMV**: 13736 - Mukanda Stream (04 10 S 39 27 E, 152 m): **ROM**: 74520 - Ngambo (0030N 3605E, 1036 m): **ROM**: 75460 - Nyama Yango (0054N 3735E): **WNMU**: 385 - Othaya (00 34 S 34 57 E, 1825 m): **SMF**: 48670 - Rondo forest (00 14 33 N 34 52 52 E): **ROM**: 63905, 63906, 63908, 63909, 63910, 63911 - Sigor (01 29 00 N 35 28 00 E, 750 m): **ROM**: 38333, 38334, 38335, 38382 - Sigor, 2 mi [=3.2 km] S (ca. 01 28 N 35 28 E, 1006 m): **FMNH**: 152786, 152787, 152788 - Talek Gate, near (ca. 01 26 S 35 04 E): **USNM**: 350996 - West Nyanza district (ca. 0030S 3430E, 1524 m): **FMNH**: 152785.

Mali:

Samaya (12 32 58 N 08 03 19 W, 299 m): **MNHN**: ZM-MO-1996-396, ZM-MO-1996-397.

Nigeria:

Unknown locality: **BMNH**: 1838.9.30.1 - Chuel (09 43 N 08 47 E): **ZMA**: MAM.18382 - Jos (09 55 N 08 54 E, 1217 m): **ZMA**: MAM.18383.

Senegal:

Diabane (1233N 1605W): **FMNH**: 128230 - Niériko – bridge (13 21 N 13 21 W): **IVB**: S1480 - Saboya (133706N 160501W, 34 m): **MNHN**: ZM-MO-1973-534, ZM-MO-1981-1227, ZM-MO-1981-1228.

Sierra Leone:

Unknown locality: **BMNH**: 1962.1803, 1962.1953.

South Sudan:

Nimule (0335N 3203E): **USNM**: 166530, 166531 - Nzara (04 38 36 N 28 15 11 E, 595 m): **BMNH**: 1977.609_01, 1977.609_02, 1977.609_03, 1977.609_04, 1977.609_05, 1977.609_06, 1977.609_07, 1977.609_08, 1977.609_09, 1977.609_10, 1977.619_1, 1977.619_2 - Tonj (0715N 2845E): **ROM**: 71907, 72068, 72082, 72083 - Tonj, 103.5 km SE (0640N 2841E): **ROM**: 68207 - Wau-Agok (ca. 074200N 280000E): **MSU**: MR.33372.

Sudan:

Bados (1210N 3420E): **MCZ**: 14465.

Tanzania:

Unknown locality: **BMNH**: 1975.911; **SMF**: 82536 - Kilimanjaro Region (0416S 3802E, 550 m): **FMNH**: 151204 - Pwani region: **SMF**: 79589 - Tanga region: **SMF**: 83619, 86384.

The Gambia:

Abuko Nature Reserve (13 23 29 N 16 39 09 W): **SMF**: 91064.

Uganda:

Budongo (01 38 39 N 31 35 54 E): **BMNH**: 1974.1, 1974.1_1, 1974.1_2, 1974.1_3, 1974.1_4, 1974.1_5, 1974.2, 1974.3, 1974.4, 1974.5 - Ishasha Road, 0.5 km S (0030S 2946E, 1000 m): **FMNH**: 154076 - Kawanda, Agriculture Research Station (002229N 323211E, 1193 m): **ROM**: 63435 - Moyo, 10 mi [=16 km] E (03 39 N 31 43 E, 750 -1067 m): **ROM**: 59146, 59147, 59153, 59154, 59162, 59163, 59164, 59165.

Appendix 2c: Voucher Specimens per Museum

This appendix gives an overview of the voucher specimens arranged per museum, taxon, and country of origin. The number of specimens per country, taxon, and museum are given, as well as a grand total.

AMNH: American Museum of Natural History

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Egypt: 1 [**1**].
Cardioderma cor (Peters, 1872)
Kenya: 18, Somalia: 1, South Sudan: 1 [**20**].
Casinycteris argynnis Thomas, 1910
Central African Republic: 1, Congo (Democratic Republic of the): 1 [**2**].
Casinycteris ophiodon (Pohle, 1943)
Liberia: 1 [**1**].
Chaerephon aloysiisabaudiae (Festa, 1907)
Congo (Democratic Republic of the): 1 [**1**].
Chaerephon ansorgei (Thomas, 1913)
Cameroon: 3, Congo (Democratic Republic of the): 24, South Africa: 4 [**31**].
Chaerephon bemmeleni (Jentink, 1879)
Tanzania: 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
Kenya: 5 [**5**].
Chaerephon chapini J.A. Allen, 1917
Angola: 1, Congo (Democratic Republic of the): 2 [**3**].
Chaerephon leucogaster (A. Grandidier, 1869)
Central African Republic: 1, Chad: 9, Congo: 22, Congo (Democratic Republic of the): 28, Mali: 1, Zambia: 59 [**120**].
Chaerephon major (Trouessart, 1897)
Congo (Democratic Republic of the): 34, Liberia: 8, South Sudan: 1 [**43**].
Chaerephon nigeriae Thomas, 1913
Namibia: 2, Zambia: 1 [**3**].
Chaerephon nigeriae nigeriae Thomas, 1913
Congo (Democratic Republic of the): 1 [**1**].
Chaerephon nigeriae spillmanni (Monard, 1933)
Zambia: 39 [**39**].
Chaerephon pumilus (Cretzschmar, 1826)
Angola: 2, Botswana: 101, Burkina Faso: 2, Central African Republic: 1, Ethiopia: 3, Ghana: 10, Kenya: 35, Malawi: 1, Mozambique: 18, Somalia: 20, South Africa: 15, South Sudan: 15, Sudan: 1, Tanzania: 20, Uganda: 42, Zambia: 1 [**287**].
Chaerephon russatus J.A. Allen, 1917
Congo (Democratic Republic of the): 24 [**24**].
Chamtwaria pickfordi Butler, 1984
Angola: 1 [**1**].
CHIROPTERA Blumenbach, 1779
Central African Republic: 1, Congo (Democratic Republic of the): 4, Kenya: 1, Uganda: 3 [**9**].
Cistugo lesueuri Roberts, 1919
South Africa: 1 [**1**].
Cloeotis percivali Thomas, 1901
Botswana: 6 [**6**].
Coleura afra (Peters, 1852)
Congo (Democratic Republic of the): 14, Ghana: 2, Kenya: 11, Somalia: 15, South Sudan: 1, Sudan: 32 [**75**].
Doryrhina cyclops (Temminck, 1853)
Cameroon: 16, Central African Republic: 4, Congo (Democratic Republic of the): 14, Côte d'Ivoire: 3, Equatorial Guinea: 1, Gabon: 1, Ghana: 4, Liberia: 3 [**46**].
Eidolon dupreanum (Schegel, 1867)
Madagascar: 15 [**15**].
Eidolon helvum (Kerr, 1792)
Cameroon: 1, Congo (Democratic Republic of the): 2, Côte d'Ivoire: 2 [**5**].
Eidolon helvum helvum (Kerr, 1792)
Cameroon: 4, Congo: 3, Congo (Democratic Republic of the): 86, Equatorial Guinea: 3, Gabon: 6, Ghana: 1, Liberia: 2, Sudan: 5, Uganda: 6 [**116**].
EMBALLONURIDAE Gervais, 1855
Angola: 1 [**1**].
Epomophorus angolensis Gray, 1870
Angola: 3 [**3**].
Epomophorus crypturus Peters, 1852
Botswana: 15, Malawi: 2, Mozambique: 1, Namibia: 1, South Africa: 2, Zambia: 7, Zimbabwe: 17 [**45**].
Epomophorus dobsonii Bocage, 1889
Angola: 25, Zambia: 2 [**27**].
Epomophorus gambianus (Ogilby, 1835)
Cameroon: 3, Ghana: 3, Liberia: 19 [**25**].

Epomophorus gambianus gambianus (Ogilby, 1835)
Chad: 16, Ghana: 13, Nigeria: 2 [**31**].
Epomophorus labiatus (Temminck, 1837)
Congo (Democratic Republic of the): 24, Kenya: 1, Malawi: 7, Rwanda: 2, South Africa: 1, South Sudan: 1, Uganda: 2, Zambia: 1 [**39**].
Epomophorus minimus Claessen & De Vree, 1991
Kenya: 1 [**1**].
Epomophorus minor Dobson, 1880
Congo (Democratic Republic of the): 2, Nigeria: 1, Tanzania: 5, Zambia: 2 [**10**].
Epomophorus wahlbergi (Sundevall, 1846)
Angola: 4, Congo: 1, Congo (Democratic Republic of the): 11, Kenya: 44, Mozambique: 3, South Africa: 14, Tanzania: 5 [**82**].
Epomops buettikoferi (Matschie, 1899)
Côte d'Ivoire: 9, Ghana: 1, Liberia: 22 [**32**].
Epomops franqueti (Tomes, 1860)
Cameroon: 19, Central African Republic: 8, Congo: 1, Congo (Democratic Republic of the): 31, Côte d'Ivoire: 2, Gabon: 1, Ghana: 1, Nigeria: 3, Uganda: 5 [**71**].
Eptesicus Rafinesque, 1820
Zambia: 6 [**6**].
Eptesicus floweri (de Winton, 1901)
Sudan: 2 [**2**].
Eptesicus hottentotus (A. Smith, 1833)
Namibia: 2 [**2**].
Glauconycteris alboguttata J.A. Allen, 1917
Cameroon: 1, Congo (Democratic Republic of the): 1 [**2**].
Glauconycteris argentata (Dobson, 1875)
Cameroon: 5, Congo: 12, Tanzania: 11 [**28**].
Glauconycteris beatrix Thomas, 1901
Central African Republic: 4, Congo (Democratic Republic of the): 1 [**5**].
Glauconycteris curryae Eger and Schlitter, 2001
Cameroon: 1 [**1**].
Glauconycteris egeria Thomas, 1913
Central African Republic: 3 [**3**].
Glauconycteris humeralis J.A. Allen, 1917
Congo (Democratic Republic of the): 5 [**5**].
Glauconycteris poensis (Gray, 1842)
Congo (Democratic Republic of the): 1, Liberia: 8, Nigeria: 1, Sierra Leone: 1, Tanzania: 3 [**14**].
Glauconycteris variegata (Tomes, 1861)
Congo (Democratic Republic of the): 20, Kenya: 1, South Africa: 1, Uganda: 1 [**23**].
Hipposideros Gray, 1831
Kenya: 1 [**1**].
Hipposideros abae J.A. Allen, 1917
Central African Republic: 2, Congo (Democratic Republic of the): 33, Ghana: 1 [**36**].
Hipposideros beatus (K. Andersen, 1906)
Cameroon: 1, Liberia: 2 [**3**].
Hipposideros caffer (Sundevall, 1846)
Angola: 6, Cameroon: 2, Central African Republic: 1, Congo (Democratic Republic of the): 3, Ghana: 1, Kenya: 7, Malawi: 13, Mozambique: 16, Somalia: 12, South Africa: 24, Tanzania: 4, Uganda: 16, Zambia: 4 [**109**].
Hipposideros camerunensis Eisentraut, 1956
Cameroon: 1 [**1**].
Hipposideros fuliginosus (Temminck, 1853)
Cameroon: 1, Côte d'Ivoire: 5, Liberia: 9 [**15**].
Hipposideros jonesi Hayman, 1947
Ghana: 5, Liberia: 1 [**6**].
Hipposideros lamottei Brosset, 1985
Liberia: 2 [**2**].
Hipposideros marisae Aellen, 1954
Liberia: 1 [**1**].
Hipposideros megalotis (Heuglin, 1861)
Kenya: 1 [**1**].
Hipposideros ruber (Noack, 1893)
Cameroon: 30, Central African Republic: 4, Congo: 3, Congo (Democratic Republic of the): 73, Côte d'Ivoire: 1, Gabon: 1, Ghana: 18, Kenya: 2, Liberia: 73, São Tomé and Principé: 2, Tanzania: 4, Uganda: 3, Zambia: 5 [**219**].
Hipposideros tephrus (Cabrera, 1906)
Ghana: 5, Uganda: 2 [**7**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 6, Congo (Democratic Republic of the): 44, Côte d'Ivoire: 2, Equatorial Guinea: 3, Liberia: 2 [**57**].
Hypsugo anchietae (Seabra, 1900)
Angola: 8, Congo (Democratic Republic of the): 2, Zambia: 38 [**48**].
Hypsugo cf. eisentrauti Hill, 1968
Congo (Democratic Republic of the): 2 [**2**].
Hypsugo eisentrauti (Hill, 1968)
Kenya: 1, Liberia: 1 [**2**].
Hypsugo musciculus (Thomas, 1913)
Gabon: 1 [**1**].
Kerivoula argentata Tomes, 1861

Kenya: 2, South Africa: 1, Zambia: 3 [**6**].
Kerivoula lanosa (A. Smith, 1847)
Botswana: 1 [**1**].
Kerivoula phalaena Thomas, 1912
Congo (Democratic Republic of the): 1 [**1**].
Kerivoula smithii Thomas, 1880
Congo (Democratic Republic of the): 3 [**3**].
Laephotis angolensis Monard, 1935
Angola: 2 [**2**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Chad: 3, Congo (Democratic Republic of the): 28, Ethiopia: 2, Kenya: 22, South Sudan: 19, Sudan: 16, Tanzania: 5, Uganda: 4 [**99**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
Cameroon: 4, Central African Republic: 1, Congo (Democratic Republic of the): 1, Liberia: 1 [**7**].
Macronycteris vittatus (Peters, 1852)
Central African Republic: 2, Kenya: 10, Mozambique: 2, Namibia: 1, Tanzania: 3, Zambia: 1 [**19**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Côte d'Ivoire: 1, Liberia: 27 [**28**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 19, Central African Republic: 4, Congo (Democratic Republic of the): 3, Gabon: 2 [**28**].
Micropteropus pusillus (Peters, 1868)
Cameroon: 5, Central African Republic: 1, Congo: 12, Congo (Democratic Republic of the): 15, Côte d'Ivoire: 1, Gabon: 1, Ghana: 3, Liberia: 15, Nigeria: 1, South Sudan: 1 [**55**].
Mimetillus moloneyi (Thomas, 1891)
Cameroon: 3, Central African Republic: 2, Congo (Democratic Republic of the): 4, Côte d'Ivoire: 2, Gabon: 1, Kenya: 1, Liberia: 12 [**25**].
Mimetillus thomasi Hinton, 1920
Angola: 4, Zambia: 9 [**13**].
Miniopterus africanus Sanborn, 1936
Kenya: 4 [**4**].
Miniopterus fraterculus Thomas and Schwann, 1906
Congo (Democratic Republic of the): 17, Malawi: 8, Mozambique: 9, South Africa: 5 [**39**].
Miniopterus inflatus Thomas, 1903
Liberia: 3 [**3**].
Miniopterus inflatus inflatus Thomas, 1903
Liberia: 1 [**1**].
Miniopterus manavi Thomas, 1906
Madagascar: 1 [**1**].
Miniopterus minor Peters, 1867
Kenya: 3 [**3**].
Miniopterus natalensis (A. Smith, 1833)
Congo (Democratic Republic of the): 26, Kenya: 7, Malawi: 4, South Africa: 9, Zambia: 5, Zimbabwe: 6 [**57**].
MOLOSSIDAE Gervais, 1856
Tanzania: 1, Zambia: 5 [**6**].
Mops (Mops) condylurus (A. Smith, 1833)
Congo: 15, Congo (Democratic Republic of the): 2, Ghana: 1, Guinea-Bissau: 1, Kenya: 9, Liberia: 8, Malawi: 42, Mozambique: 11, Somalia: 3, South Africa: 8, South Sudan: 2, Tanzania: 4, Uganda: 3, Zambia: 30 [**139**].
Mops (Mops) congicus J.A. Allen, 1917
Cameroon: 1, Congo (Democratic Republic of the): 15 [**16**].
Mops (Mops) demonstrator (Thomas, 1903)
Burkina Faso: 1, Congo (Democratic Republic of the): 2, South Sudan: 16 [**19**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
Madagascar: 16 [**16**].
Mops (Mops) midas (Sundevall, 1843)
Uganda: 26 [**26**].
Mops (Mops) midas miarensis (A. Grandidier, 1869)
Madagascar: 1 [**1**].
Mops (Mops) midas midas (Sundevall, 1843)
Botswana: 6, Congo (Democratic Republic of the): 6, South Sudan: 6, Zambia: 2 [**20**].
Mops (Mops) niangarae J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Angola: 2, Zambia: 2 [**4**].
Mops (Mops) trevori J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Cameroon: 3, Congo (Democratic Republic of the): 23, Liberia: 1, Uganda: 26 [**53**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Cameroon: 1, Congo (Democratic Republic of the): 6, Uganda: 7 [**14**].
Mops (Xiphonycteris) petersoni (El Rayah, 1981)
Cameroon: 9 [**9**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
Cameroon: 13, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1, Equatorial Guinea: 1, Liberia: 29 [**45**].
Mops (Xiphonycteris) thersites (Thomas, 1903)

Cameroon: 23, Congo (Democratic Republic of the): 8, Côte d'Ivoire: 12, Liberia: 1, Uganda: 3 [**47**].
Mormopterus acetabulosus (Hermann, 1804)
Mauritius: 1 [**1**].
Mormopterus jugularis (Peters, 1865)
Madagascar: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
Equatorial Guinea: 1, Uganda: 2 [**3**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
Cameroon: 2, Congo (Democratic Republic of the): 4, Tanzania: 1, Uganda: 1 [**8**].
Myonycteris angolensis smithii (Thomas, 1908)
Liberia: 22 [**22**].
Myonycteris leptodon K. Andersen, 1908
Liberia: 38 [**38**].
Myonycteris torquata (Dobson, 1878)
Cameroon: 32, Central African Republic: 4, Congo (Democratic Republic of the): 4 [**40**].
Myopterus daubentonii Desmarest, 1820
Congo (Democratic Republic of the): 7 [**7**].
Myopterus whitleyi (Scharff, 1900)
Congo (Democratic Republic of the): 4 [**4**].
Myotis bocagii (Peters, 1870)
Uganda: 1 [**1**].
Myotis bocagii bocagii (Peters, 1870)
Congo (Democratic Republic of the): 1, Malawi: 2, South Africa: 1 [**4**].
Myotis bocagii cupreolus Thomas, 1904
Cameroon: 2, Central African Republic: 2, Congo (Democratic Republic of the): 30 [**34**].
Myotis punicus Felten, 1977
Algeria: 1, Morocco: 1 [**2**].
Myotis tricolor (Temminck, 1832)
Liberia: 1, South Africa: 11, Zambia: 1 [**13**].
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878
Madagascar: 1 [**1**].
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007
Madagascar: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
Cameroon: 1, Ghana: 5, Liberia: 9 [**15**].
Neoromicia brunnea (Thomas, 1880)
Cameroon: 1, Congo (Democratic Republic of the): 1, Liberia: 1 [**3**].
Neoromicia capensis (A. Smith, 1829)
Angola: 5, Congo (Democratic Republic of the): 1, Namibia: 1, South Africa: 25, Zambia: 4 [**36**].
Neoromicia flavescens (Seabra, 1900)
Angola: 17 [**17**].
Neoromicia guineensis (Bocage, 1889)
Chad: 1, Congo (Democratic Republic of the): 2 [**3**].
Neoromicia helios (Heller, 1912)
South Sudan: 4, Uganda: 5 [**9**].
Neoromicia nana (Peters, 1852)
Angola: 14, Cameroon: 1, Congo: 1, Congo (Democratic Republic of the): 87, Côte d'Ivoire: 3, Ghana: 4, Liberia: 5, Malawi: 64, Nigeria: 1, South Africa: 6, Tanzania: 59, Uganda: 7, Zambia: 5 [**257**].
Neoromicia rendalli (Thomas, 1889)
Congo (Democratic Republic of the): 38, Kenya: 1, South Sudan: 15 [**54**].
Neoromicia somalica (Thomas, 1901)
Congo (Democratic Republic of the): 1, Ethiopia: 2, Kenya: 1, South Africa: 2, Tanzania: 2 [**8**].
Neoromicia tenuipinnis (Peters, 1872)
Cameroon: 1, Congo (Democratic Republic of the): 18, Liberia: 2, Uganda: 1 [**22**].
Neoromicia zuluensis (Roberts, 1924)
Namibia: 1 [**1**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Chad: 1 [**1**].
Nycteris arge Thomas, 1903
Cameroon: 1, Central African Republic: 4, Congo (Democratic Republic of the): 18, Ghana: 3, Liberia: 2 [**28**].
Nycteris aurita (K. Andersen, 1912)
Kenya: 15 [**15**].
Nycteris gambiensis (K. Andersen, 1912)
Ghana: 2 [**2**].
Nycteris grandis Peters, 1865
Central African Republic: 4, Liberia: 1, Tanzania: 1 [**6**].
Nycteris hispida (Schreber, 1774)
Cameroon: 2, Central African Republic: 5, Chad: 17, Congo: 2, Congo (Democratic Republic of the): 29, Ghana: 2, Liberia: 2, Nigeria: 1, South Sudan: 31, Uganda: 6, Zambia: 1 [**98**].
Nycteris intermedia Aellen, 1959
Central African Republic: 1, Liberia: 1 [**2**].
Nycteris macrotis Dobson, 1876
Burkina Faso: 1, Cameroon: 2, Congo (Democratic Republic of the): 2, Ghana: 2, Kenya: 26, Liberia: 6, Zambia: 1 [**40**].
Nycteris major (K. Andersen, 1912)
Congo (Democratic Republic of the): 1, Liberia: 1 [**2**].
Nycteris nana (K. Andersen, 1912)

Kenya: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Angola: 4, Botswana: 47, Kenya: 12, Malawi: 1, Mozambique: 6, Somalia: 2, South Africa: 8, South Sudan: 1, Tanzania: 6, Uganda: 1, Zambia: 2, Zimbabwe: 2 [**92**].
Nycteris woodi K. Andersen, 1914
Zambia: 1 [**1**].
Nycticeinops schlieffenii (Peters, 1859)
Botswana: 2, Kenya: 1, South Africa: 15, Zambia: 4 [**22**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 2 [**2**].
Otomops martiensseni icarus Chubb, 1917
Angola: 1, South Africa: 2 [**3**].
Pipistrellus hesperidus (Temminck, 1840)
Ethiopia: 3, Kenya: 2 [**5**].
Pipistrellus kuhlii (Kuhl, 1817)
"Africa": 4 [**4**].
Pipistrellus nanulus Thomas, 1904
Cameroon: 2, Congo (Democratic Republic of the): 1, Equatorial Guinea: 2, Gabon: 1, Liberia: 2, Uganda: 4 [**12**].
Pipistrellus rueppellii (Fischer, 1829)
Congo (Democratic Republic of the): 1, South Africa: 1 [**2**].
Pipistrellus rueppellii fuscipes Thomas, 1913
South Sudan: 3, Tanzania: 1, Uganda: 3 [**7**].
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)
Sudan: 1 [**1**].
Pipistrellus rueppellii vernayi Roberts, 1932
Botswana: 1, South Africa: 1, Zambia: 21 [**23**].
Pipistrellus rusticus (Tomes, 1861)
South Africa: 12, Zambia: 1 [**13**].
Platymops setiger (Peters, 1878)
Kenya: 1 [**1**].
Platymops setiger setiger (Peters, 1878)
Kenya: 1 [**1**].
Pteropus livingstonii Gray, 1866
Comoros: 89, Mayotte: 5 [**94**].
Pteropus rodricensis Dobson, 1878
Mauritius: 22 [**22**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 11 [**11**].
Pteropus seychellensis A. Milne-Edwards, 1877
Seychelles: 1 [**1**].
Rhinolophus Lacépède, 1799
South Africa: 6, Zambia: 3 [**9**].
Rhinolophus alcyone Temminck, 1853
Cameroon: 1, Central African Republic: 2, Congo (Democratic Republic of the): 1, Equatorial Guinea: 2 [**6**].
Rhinolophus blasii Peters, 1867
Ethiopia: 2 [**2**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
Botswana: 1, Malawi: 1, South Africa: 34, Uganda: 6 [**42**].
Rhinolophus darlingi K. Andersen, 1905
South Africa: 8, Tanzania: 1 [**9**].
Rhinolophus deckenii Peters, 1868
Tanzania: 6 [**6**].
Rhinolophus eloquens K. Andersen, 1905
Congo (Democratic Republic of the): 5, Uganda: 1 [**6**].
Rhinolophus fumigatus Rüppell, 1842
Angola: 4, Burkina Faso: 2, Congo (Democratic Republic of the): 9, Malawi: 1, Zambia: 2 [**18**].
Rhinolophus guineensis Eisentraut, 1960
Liberia: 40 [**40**].
Rhinolophus hildebrandtii Peters, 1878
Kenya: 2, Tanzania: 4 [**6**].
Rhinolophus hillorum Koopman, 1989
Kenya: 1, Liberia: 3 [**4**].
Rhinolophus landeri Martin, 1838
Equatorial Guinea: 1, Ghana: 2 [**3**].
Rhinolophus lobatus Peters, 1852
Congo (Democratic Republic of the): 4, Kenya: 3, Zambia: 2 [**9**].
Rhinolophus mehelyi Matschie, 1901
Tunisia: 1 [**1**].
Rhinolophus rhodesiae Roberts, 1946
Zambia: 1 [**1**].
Rhinolophus ruwenzorii J. Eric Hill, 1942
Congo (Democratic Republic of the): 1 [**1**].
Rhinolophus simulator K. Andersen, 1904
Botswana: 9, Liberia: 2, South Africa: 13, Tanzania: 2, Zambia: 1 [**27**].

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Malawi: 1, Mozambique: 11, Zimbabwe: 2 [**14**].
Rhinolophus swinnyi Gough, 1908
South Africa: 5 [**5**].
Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002
Liberia: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Egypt: 3 [**3**].
Rhinopoma macinnesi Hayman, 1937
Kenya: 5 [**5**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Angola: 1, Cameroon: 13, Congo (Democratic Republic of the): 6, Ethiopia: 3, Ghana: 1, Kenya: 15, Liberia: 50, South Africa: 3, Zimbabwe: 10 [**102**].
Saccolaimus peli (Temminck, 1853)
Cameroon: 8, Congo (Democratic Republic of the): 25, Liberia: 4 [**37**].
Sauromys petrophilus erongensis (Roberts, 1946)
Namibia: 1 [**1**].
Sauromys petrophilus petrophilus (Roberts, 1917)
Botswana: 1 [**1**].
Scotoecus albofuscus (Thomas, 1890)
Cameroon: 1, Kenya: 1 [**2**].
Scotoecus hindei Thomas, 1901
Cameroon: 1, Congo (Democratic Republic of the): 1, Kenya: 8, South Sudan: 1, Tanzania: 3 [**14**].
Scotonycteris occidentalis Hayman, 1947
Côte d'Ivoire: 4, Liberia: 8 [**12**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 3 [**3**].
Scotophilus dinganii (A. Smith, 1833)
Botswana: 7, Burkina Faso: 1, Central African Republic: 1, Congo (Democratic Republic of the): 2, Kenya: 5, South Africa: 21, Tanzania: 10, Zambia: 5, Zimbabwe: 13 [**65**].
Scotophilus leucogaster (Cretzschmar, 1826)
Botswana: 1, Burkina Faso: 1, Chad: 1, Congo (Democratic Republic of the): 3, Ghana: 1, Nigeria: 4, South Sudan: 10, Uganda: 3, Zambia: 3 [**27**].
Scotophilus nigrita (Schreber, 1774)
Congo (Democratic Republic of the): 7, South Africa: 1 [**8**].
Scotophilus nucella Robbins, 1983
Côte d'Ivoire: 1 [**1**].
Scotophilus nux Thomas, 1904
Cameroon: 4, Congo (Democratic Republic of the): 2, Côte d'Ivoire: 2, Liberia: 1 [**9**].
Scotophilus viridis (Peters, 1852)
Burkina Faso: 1, Ghana: 3, Kenya: 1, South Africa: 15, Tanzania: 1 [**21**].
Stenonycteris lanosus (Thomas, 1906)
Congo (Democratic Republic of the): 6, Uganda: 15 [**21**].
Tadarida Rafinesque, 1814
South Sudan: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Namibia: 2, South Africa: 1 [**3**].
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Kenya: 1, South Africa: 2 [**3**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
Botswana: 2, South Africa: 4 [**6**].
Taphozous hildegardeae Thomas, 1909
Kenya: 4 [**4**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Cameroon: 2, Congo: 5, Congo (Democratic Republic of the): 48, Equatorial Guinea: 1, Kenya: 1, Malawi: 1, South Africa: 3, South Sudan: 1, Tanzania: 4, Uganda: 3 [**69**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 1 [**1**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Ghana: 3, South Sudan: 1, Sudan: 3, Uganda: 2 [**9**].
Taphozous perforatus sudani Thomas, 1915
Congo (Democratic Republic of the): 8, Uganda: 3 [**11**].
Triaenops afer Peters, 1877
Kenya: 6, Mozambique: 12, Tanzania: 1 [**19**].
VESPERTILIONIDAE Gray, 1821
Botswana: 3 [**3**].

Total Specimens for AMNH: 4427

AMS: Australian Museum Sydney

Cardioderma cor (Peters, 1872)
Kenya: 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
Uganda: 1 [**1**].

Chaerephon pumilus (Cretzschmar, 1826)
Zambia: 1 [**1**].
Doryrhina cyclops (Temminck, 1853)
Uganda: 1 [**1**].
Eidolon helvum (Kerr, 1792)
"Africa": 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
Tanzania: 1, Zambia: 1 [**2**].
Epomops franqueti (Tomes, 1860)
Uganda: 1, Zambia: 1 [**2**].
Hipposideros caffer (Sundevall, 1846)
Zambia: 1 [**1**].
Hypsignathus monstrosus H. Allen, 1862
"Africa": 1, Uganda: 1 [**2**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
"Africa": 1 [**1**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
"Africa": 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
Uganda: 1 [**1**].
Mops (Mops) congicus J.A. Allen, 1917
Uganda: 1 [**1**].
Mops (Mops) demonstrator (Thomas, 1903)
Uganda: 1 [**1**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Uganda: 1 [**1**].
Mops (Xiphonycteris) petersoni (El Rayah, 1981)
"Africa": 1 [**1**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Uganda: 1 [**1**].
Myonycteris leptodon K. Andersen, 1908
Liberia: 1 [**1**].
Myotis bocagii (Peters, 1870)
Uganda: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Zambia: 1 [**1**].
Neoromicia nana (Peters, 1852)
Zambia: 1 [**1**].
Neoromicia somalica (Thomas, 1901)
Uganda: 1 [**1**].
Nycteris hispida (Schreber, 1774)
"Africa": 2 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 1 [**1**].
Otomops martiensseni (Matschie, 1897)
"Africa": 1 [**1**].
Pteropus niger (Kerr, 1792)
Mauritius: 1 [**1**].
Pteropus seychellensis A. Milne-Edwards, 1877
"Africa": 1 [**1**].
Pteropus subniger (Kerr, 1792)
"Africa": 1 [**1**].
Pteropus voeltzkowi Matschie, 1909
"Africa": 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
"Africa": 1 [**1**].
Rhinolophus simulator K. Andersen, 1904
Zambia: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Uganda: 1 [**1**].
Scotoecus hirundo (de Winton, 1899)
"Africa": 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
Uganda: 1 [**1**].

Total Specimens for AMS: 38

BDUMZ: Biology Department, University of Malawi

Epomophorus dobsonii Bocage, 1889
Malawi: 1 [**1**].

Total Specimens for BDUMZ: 1

BMGD: British Museum Geology Department

Taphozous incognita (Butler & Hopwood, 1957)
Kenya: 1 [**1**].

Total Specimens for BMGD: 1

BMNH: The Natural History Museum

Asellia Gray, 1838
Egypt: 2, Sudan: 6 [**8**].
Asellia patrizii de Beaux, 1931
Ethiopia: 18 [**18**].
Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Algeria: 2, Egypt: 114, Ethiopia: 6, Libya: 12, Niger: 2, Sudan: 3, The Gambia: 1 [**140**].
Cardioderma cor (Peters, 1872)
Eritrea: 4, Ethiopia: 13, Kenya: 32, Somalia: 3, Tanzania: 8, Uganda: 3 [**63**].
Casinycteris argynnis Thomas, 1910
Cameroon: 1 [**1**].
Casinycteris ophiodon (Pohle, 1943)
Ghana: 1, Liberia: 5 [**6**].
Chaerephon Dobson, 1874
Congo (Democratic Republic of the): 2, Kenya: 2, Nigeria: 1, Sierra Leone: 2, Uganda: 1 [**8**].
Chaerephon aloysiisabaudiae (Festa, 1907)
Uganda: 6 [**6**].
Chaerephon ansorgei (Thomas, 1913)
Angola: 1, Congo (Democratic Republic of the): 4, Ethiopia: 2, Uganda: 1 [**8**].
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
Madagascar: 2 [**2**].
Chaerephon bemmeleni (Jentink, 1879)
Kenya: 3, South Sudan: 1, Tanzania: 1 [**5**].
Chaerephon bivittatus (Heuglin, 1861)
Kenya: 42, Zambia: 1 [**43**].
Chaerephon chapini J.A. Allen, 1917
Namibia: 1, Zambia: 2, Zimbabwe: 2 [**5**].
Chaerephon gallagheri (Harrison, 1975)
Congo (Democratic Republic of the): 1 [**1**].
Chaerephon leucogaster (A. Grandidier, 1869)
Nigeria: 9 [**9**].
Chaerephon major (Trouessart, 1897)
"Africa": 1, Ghana: 7, Liberia: 1, Mali: 1, Nigeria: 4, Sudan: 3, Tanzania: 9, Uganda: 3, Zambia: 1, Zimbabwe: 2 [**32**].
Chaerephon nigeriae Thomas, 1913
Ethiopia: 1, Nigeria: 21, Tanzania: 2, Uganda: 1, Zambia: 1, Zimbabwe: 18 [**44**].
Chaerephon nigeriae nigeriae Thomas, 1913
Nigeria: 1 [**1**].
Chaerephon nigeriae spillmanni (Monard, 1933)
Angola: 1, Congo (Democratic Republic of the): 5, Zambia: 4, Zimbabwe: 2 [**12**].
Chaerephon pumilus (Cretzschmar, 1826)
Angola: 12, Cameroon: 1, Chad: 1, Congo (Democratic Republic of the): 18, Eritrea: 1, Ethiopia: 65, Ghana: 4, Kenya: 92, Malawi: 4, Mozambique: 2, Nigeria: 12, South Africa: 10, Sudan: 13, Swaziland: 2, Tanzania: 96, The Gambia: 5, Uganda: 100, Zambia: 121 [**559**].
Chaerephon pusillus (Miller, 1902)
Seychelles: 9 [**9**].
Chaerephon russatus J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
CHIROPTERA Blumenbach, 1779
"Africa": 5, Kenya: 1, Malawi: 3 [**9**].
Cistugo seabrae Thomas, 1912
Angola: 1, Namibia: 2 [**3**].
Cloeotis percivali Thomas, 1901
Botswana: 1, Kenya: 2, Zambia: 8 [**11**].
Coleura afra (Peters, 1852)
"Africa": 4, Angola: 1, Central African Republic: 4, Congo (Democratic Republic of the): 8, Egypt: 6, Ethiopia: 1, Ghana: 7, Kenya: 18, Mozambique: 2, Somalia: 15, South Sudan: 3, Sudan: 13, Tanzania: 4 [**86**].
Coleura seychellensis Peters, 1868
Seychelles: 32 [**32**].
Doryrhina cyclops (Temminck, 1853)
Cameroon: 16, Congo (Democratic Republic of the): 7, Equatorial Guinea: 2, Gabon: 1, Ghana: 6, Liberia: 8, Uganda: 1 [**41**].
Eidolon dupreanum (Schegel, 1867)
Madagascar: 10 [**10**].
Eidolon helvum (Kerr, 1792)
"Africa": 3, Benin: 2, Cameroon: 2, Congo (Democratic Republic of the): 7, Equatorial Guinea: 17, Ethiopia: 1, Gabon: 2, Ghana: 9, Kenya: 5, Liberia: 3, Malawi: 7, Nigeria: 12, São Tomé and Principé: 9, Senegal: 2, Sierra Leone: 11, Sudan: 7, Tanzania: 23, The Gambia: 3, Uganda: 6 [**131**].

Eidolon helvum helvum (Kerr, 1792)
Nigeria: 1, Sudan: 1 [**2**].
Epomophorus Bennett, 1836
Mozambique: 2, Tanzania: 1, Uganda: 1 [**4**].
Epomophorus angolensis Gray, 1870
Angola: 2, Namibia: 22 [**24**].
Epomophorus crypturus Peters, 1852
"Africa": 1, Angola: 1, Congo (Democratic Republic of the): 3, Malawi: 4, Mozambique: 10, South Africa: 1, Tanzania: 1, Zambia: 37, Zimbabwe: 2 [**60**].
Epomophorus dobsonii Bocage, 1889
Angola: 3, Congo (Democratic Republic of the): 2, Malawi: 1, Zambia: 10, Zimbabwe: 1 [**17**].
Epomophorus gambianus (Ogilby, 1835)
"Africa": 2, Burkina Faso: 2, Central African Republic: 3, Ethiopia: 20, Ghana: 6, Nigeria: 11, Senegal: 1, Sierra Leone: 8, The Gambia: 10 [**63**].
Epomophorus gambianus gambianus (Ogilby, 1835)
The Gambia: 1 [**1**].
Epomophorus grandis (Sanborn, 1950)
Angola: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Congo (Democratic Republic of the): 7, Ethiopia: 19, Kenya: 16, Malawi: 3, South Sudan: 4, Sudan: 3, Tanzania: 21, Uganda: 38, Zambia: 5 [**116**].
Epomophorus minimus Claessen & De Vree, 1991
Ethiopia: 5, Kenya: 11, Somalia: 1, Tanzania: 2 [**19**].
Epomophorus minor Dobson, 1880
Ethiopia: 29, Kenya: 27, Malawi: 2, Somalia: 2, Sudan: 2, Tanzania: 16, Zambia: 1 [**79**].
Epomophorus wahlbergi (Sundevall, 1846)
"Africa": 2, Angola: 16, Ethiopia: 1, Gabon: 1, Kenya: 13, Malawi: 8, Mozambique: 4, Somalia: 5, South Africa: 6, Tanzania: 22, Uganda: 2, Zambia: 2 [**82**].
Epomops buettikoferi (Matschie, 1899)
Ghana: 13, Liberia: 18, Nigeria: 1, Sierra Leone: 18 [**50**].
Epomops franqueti (Tomes, 1860)
Cameroon: 13, Congo (Democratic Republic of the): 12, Equatorial Guinea: 2, Gabon: 5, Ghana: 3, Nigeria: 14, Tanzania: 1, Uganda: 4, Zambia: 1 [**55**].
Eptesicus bottae (Peters, 1869)
Egypt: 2 [**2**].
Eptesicus floweri (de Winton, 1901)
Sudan: 7 [**7**].
Eptesicus hottentotus (A. Smith, 1833)
Malawi: 4, South Africa: 1 [**5**].
Eptesicus isabellinus (Temminck, 1840)
"Africa": 1, Morocco: 3 [**4**].
Eptesicus platyops (Thomas, 1901)
Nigeria: 1 [**1**].
Glauconycteris Dobson, 1875
Congo (Democratic Republic of the): 1 [**1**].
Glauconycteris argentata (Dobson, 1875)
"Africa": 1, Cameroon: 1, Congo (Democratic Republic of the): 10, Kenya: 13, Tanzania: 19 [**44**].
Glauconycteris beatrix Thomas, 1901
Cameroon: 1, Congo (Democratic Republic of the): 2, Equatorial Guinea: 1, Uganda: 1 [**5**].
Glauconycteris egeria Thomas, 1913
Cameroon: 1 [**1**].
Glauconycteris humeralis J.A. Allen, 1917
Congo (Democratic Republic of the): 1, Uganda: 3 [**4**].
Glauconycteris machadoi Hayman, 1963
Angola: 1 [**1**].
Glauconycteris poensis (Gray, 1842)
Côte d'Ivoire: 1, Ghana: 3, Nigeria: 1, Sierra Leone: 30 [**35**].
Glauconycteris superba Hayman, 1939
Ghana: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
Ethiopia: 1, Ghana: 2, Mozambique: 1, Namibia: 2, South Africa: 1, Sudan: 1, Tanzania: 10, Uganda: 1, Zambia: 2, Zimbabwe: 1 [**22**].
Hipposideros abae J.A. Allen, 1917
Burkina Faso: 1, Central African Republic: 1, Ghana: 6, Nigeria: 10, Sierra Leone: 4 [**22**].
Hipposideros beatus (K. Andersen, 1906)
Cameroon: 1, Congo (Democratic Republic of the): 6, Equatorial Guinea: 1, Ghana: 3, Liberia: 1, Nigeria: 1 [**13**].
Hipposideros caffer (Sundevall, 1846)
Angola: 16, Cameroon: 4, Congo (Democratic Republic of the): 5, Gabon: 1, Ghana: 6, Kenya: 58, Liberia: 1, Malawi: 13, Mozambique: 1, Nigeria: 5, Senegal: 1, Somalia: 3, South Africa: 2, Swaziland: 2, Tanzania: 53, The Gambia: 4, Uganda: 1, Zambia: 39, Zimbabwe: 3 [**218**].
Hipposideros camerunensis Eisentraut, 1956
Cameroon: 1, Congo (Democratic Republic of the): 1 [**2**].
Hipposideros curtus G.M. Allen, 1921
Cameroon: 3 [**3**].
Hipposideros fuliginosus (Temminck, 1853)
Congo (Democratic Republic of the): 2, Ghana: 2 [**4**].

Hipposideros jonesi Hayman, 1947
Ghana: 25, Sierra Leone: 9 [**34**].
Hipposideros marisae Aellen, 1954
Liberia: 1 [**1**].
Hipposideros megalotis (Heuglin, 1861)
Ethiopia: 4, Kenya: 2 [**6**].
Hipposideros ruber (Noack, 1893)
"Africa": 2, Angola: 2, Cameroon: 17, Central African Republic: 1, Congo (Democratic Republic of the): 39, Equatorial Guinea: 9, Ethiopia: 10, Gabon: 7, Ghana: 22, Kenya: 33, Liberia: 44, Malawi: 4, Nigeria: 8, Rwanda: 1, Senegal: 1, Sierra Leone: 6, Tanzania: 52, The Gambia: 6, Uganda: 53, Zambia: 12 [**329**].
Hipposideros tephrus (Cabrera, 1906)
Ethiopia: 14, Ghana: 2, Morocco: 3, Nigeria: 1, Sudan: 11 [**31**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 3, Congo (Democratic Republic of the): 6, Equatorial Guinea: 4, Gabon: 1, Ghana: 5, Liberia: 7, Nigeria: 6, The Gambia: 1, Uganda: 2 [**35**].
Hypsugo anchietae (Seabra, 1900)
Angola: 10, Zambia: 7 [**17**].
Hypsugo ariel (Thomas, 1904)
Sudan: 3 [**3**].
Hypsugo cf. eisentrauti Hill, 1968
Somalia: 3 [**3**].
Hypsugo crassulus (Thomas, 1904)
Cameroon: 1, Congo (Democratic Republic of the): 1 [**2**].
Hypsugo eisentrauti (Hill, 1968)
Cameroon: 7 [**7**].
Hypsugo musciculus (Thomas, 1913)
Cameroon: 6, Ghana: 1, Sierra Leone: 1 [**8**].
Hypsugo savii (Bonaparte, 1837)
Algeria: 1, Canary Islands (Spain): 7, Cape Verde: 3, Italy: 1, Morocco: 4, Spain: 1 [**17**].
Kerivoula argentata Tomes, 1861
Congo (Democratic Republic of the): 4, Mozambique: 3, Namibia: 1, Tanzania: 3, Zambia: 2, Zimbabwe: 4 [**17**].
Kerivoula cuprosa Thomas, 1912
Cameroon: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
"Africa": 1, Cameroon: 9, Congo (Democratic Republic of the): 1, Ghana: 3, Kenya: 3, Liberia: 2, Malawi: 1, Nigeria: 1, South Africa: 4, Tanzania: 2, Zimbabwe: 1 [**28**].
Kerivoula phalaena Thomas, 1912
Ghana: 2, Liberia: 1 [**3**].
Kerivoula smithii Thomas, 1880
Congo (Democratic Republic of the): 2, Nigeria: 1 [**3**].
Laephotis angolensis Monard, 1935
Congo (Democratic Republic of the): 2 [**2**].
Laephotis botswanae Setzer, 1971
Congo (Democratic Republic of the): 2, Malawi: 1, Zambia: 2 [**5**].
Laephotis wintoni Thomas, 1901
Ethiopia: 6, Kenya: 1 [**7**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Cameroon: 2, Central African Republic: 1, Chad: 1, Ethiopia: 5, Ghana: 2, Kenya: 22, Nigeria: 5, Somalia: 3, South Sudan: 1, Sudan: 15, Tanzania: 12, The Gambia: 1, Uganda: 9, Zambia: 1 [**80**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 7 [**7**].
Macronycteris gigas (Wagner, 1845)
Angola: 2, Cameroon: 3, Congo (Democratic Republic of the): 1, Equatorial Guinea: 1, Ghana: 14, Liberia: 2, Nigeria: 2, São Tomé and Principé: 3, The Gambia: 2 [**30**].
Macronycteris vittatus (Peters, 1852)
Angola: 1, Ethiopia: 3, Kenya: 30, Malawi: 9, Namibia: 2, Somalia: 1, Tanzania: 9, Zambia: 16, Zimbabwe: 1 [**72**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Ghana: 20, Liberia: 7 [**27**].
Megaloglossus woermanni Pagenstecher, 1885
Congo (Democratic Republic of the): 2, Nigeria: 1 [**3**].
Micropteropus intermedius Hayman, 1963
Angola: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Angola: 2, Cameroon: 1, Central African Republic: 2, Congo (Democratic Republic of the): 15, Ethiopia: 129, Gabon: 2, Ghana: 14, Liberia: 8, Nigeria: 24, Sierra Leone: 12, South Sudan: 2, The Gambia: 1, Uganda: 11, Zambia: 3 [**226**].
Mimetillus moloneyi (Thomas, 1891)
Congo (Democratic Republic of the): 1, Equatorial Guinea: 4, Kenya: 1, Nigeria: 2, Sierra Leone: 2 [**10**].
Mimetillus thomasi Hinton, 1920
Tanzania: 3, Zambia: 1 [**4**].
Miniopterus Bonaparte, 1837
Ethiopia: 1, Kenya: 10, Madagascar: 2, South Africa: 1, Zambia: 1, Zimbabwe: 1 [**16**].
Miniopterus africanus Sanborn, 1936
Ethiopia: 54, Kenya: 36, Somalia: 2 [**92**].
Miniopterus fraterculus Thomas and Schwann, 1906
Congo (Democratic Republic of the): 7, South Africa: 2 [**9**].

Miniopterus griveaudi Harrison, 1959
Comoros: 1 [**1**].
Miniopterus inflatus Thomas, 1903
Cameroon: 1, Congo (Democratic Republic of the): 3, Kenya: 27, Liberia: 8, Madagascar: 1, Nigeria: 3, Rwanda: 7 [**50**].
Miniopterus inflatus inflatus Thomas, 1903
Madagascar: 2 [**2**].
Miniopterus majori Thomas, 1906
Madagascar: 5 [**5**].
Miniopterus manavi Thomas, 1906
Madagascar: 11 [**11**].
Miniopterus minor Peters, 1867
Congo (Democratic Republic of the): 1 [**1**].
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013
Malawi: 3, Zambia: 4 [**7**].
Miniopterus natalensis (A. Smith, 1833)
Angola: 2, Cameroon: 9, Ethiopia: 5, Kenya: 31, Namibia: 11, South Africa: 11, Tanzania: 9, Uganda: 45, Zambia: 50, Zimbabwe: 14 [**187**].
Miniopterus schreibersii (Kuhl, 1817)
Algeria: 4, Morocco: 1, Tunisia: 7 [**12**].
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Madagascar: 14 [**14**].
MOLOSSIDAE Gervais, 1856
"Africa": 1, Ethiopia: 2, Namibia: 1 [**4**].
Mops Lesson, 1842
The Gambia: 1, Zimbabwe: 8 [**9**].
Mops (Mops) condylurus (A. Smith, 1833)
Angola: 1, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1, Ethiopia: 15, Ghana: 3, Kenya: 14, Malawi: 51, Nigeria: 14, Rwanda: 1, Senegal: 1, Sierra Leone: 11, South Africa: 9, South Sudan: 1, Sudan: 3, Swaziland: 3, Tanzania: 20, The Gambia: 7, Uganda: 16 [**172**].
Mops (Mops) congicus J.A. Allen, 1917
Central African Republic: 1 [**1**].
Mops (Mops) demonstrator (Thomas, 1903)
Ghana: 1, South Sudan: 1, Sudan: 3, Uganda: 1 [**6**].
Mops (Mops) midas (Sundevall, 1843)
"Africa": 2, Malawi: 4, Nigeria: 8, Senegal: 1, South Sudan: 1, Sudan: 3, Zimbabwe: 1 [**20**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Congo (Democratic Republic of the): 3, Zambia: 3, Zimbabwe: 26 [**32**].
Mops (Mops) trevori J.A. Allen, 1917
Ghana: 1, South Sudan: 70, Uganda: 12 [**83**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
"Africa": 5, Cameroon: 3, Ghana: 6, Rwanda: 4, Sierra Leone: 65 [**83**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Cameroon: 2, Congo (Democratic Republic of the): 14, Ethiopia: 1, Ghana: 1, Kenya: 3, Nigeria: 8, Sierra Leone: 12, South Sudan: 10 [**51**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
Ghana: 3 [**3**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Cameroon: 3, Congo (Democratic Republic of the): 10, Ghana: 2, Nigeria: 4, Sierra Leone: 9 [**28**].
Mormopterus acetabulosus (Hermann, 1804)
Ethiopia: 1, Liberia: 5, Mauritius: 3 [**9**].
Mormopterus jugularis (Peters, 1865)
Madagascar: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
Angola: 3, Cameroon: 1, Congo (Democratic Republic of the): 7, Equatorial Guinea: 2, Kenya: 3, Nigeria: 1, Uganda: 13 [**30**].
Myonycteris angolensis angolensis (Bocage, 1898)
Angola: 2, Cameroon: 7, Nigeria: 1 [**10**].
Myonycteris angolensis petraea (Bergmans, 1997)
Ethiopia: 3 [**3**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
Congo (Democratic Republic of the): 1, Uganda: 14 [**15**].
Myonycteris angolensis smithii (Thomas, 1908)
Ghana: 13, Liberia: 7, Nigeria: 2, Sierra Leone: 3, Togo: 1 [**26**].
Myonycteris leptodon K. Andersen, 1908
Ghana: 37, Liberia: 32, Sierra Leone: 1 [**70**].
Myonycteris torquata (Dobson, 1878)
Angola: 3, Cameroon: 5, Central African Republic: 1, Nigeria: 1, Zambia: 4 [**14**].
Myonycteris torquata wroughtoni K. Andersen, 1908
Congo (Democratic Republic of the): 2 [**2**].
Myopterus daubentonii Desmarest, 1820
Congo (Democratic Republic of the): 1 [**1**].
Myopterus whitleyi (Scharff, 1900)
Cameroon: 6, Congo (Democratic Republic of the): 9, Ghana: 2, Nigeria: 3, Uganda: 1 [**21**].
Myotis Kaup, 1829
Uganda: 5 [**5**].

Myotis bocagii (Peters, 1870)
"Africa": 1, Congo (Democratic Republic of the): 5, Kenya: 1, Uganda: 1 [**8**].
Myotis bocagii bocagii (Peters, 1870)
Kenya: 1 [**1**].
Myotis bocagii cupreolus Thomas, 1904
Cameroon: 5, Malawi: 2 [**7**].
Myotis goudoti (A. Smith, 1834)
Madagascar: 5 [**5**].
Myotis morrisi Hill, 1971
Ethiopia: 1, Nigeria: 1 [**2**].
Myotis punicus Felten, 1977
"Africa": 1, Algeria: 3, Morocco: 5 [**9**].
Myotis scotti Thomas, 1927
Ethiopia: 8 [**8**].
Myotis tricolor (Temminck, 1832)
Ethiopia: 2, Kenya: 14, Malawi: 2, South Africa: 1, Uganda: 3 [**22**].
Myotis welwitschii (Gray, 1866)
Angola: 1, Malawi: 2, South Africa: 1 [**4**].
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878
Madagascar: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
Cameroon: 3, Ghana: 34, Nigeria: 3, Sierra Leone: 1 [**41**].
Neoromicia Roberts, 1926
Cameroon: 3, Somalia: 1, South Africa: 1, Zimbabwe: 1 [**6**].
Neoromicia "incertae-sedis"
Burkina Faso: 5 [**5**].
Neoromicia brunnea (Thomas, 1880)
Cameroon: 2, Equatorial Guinea: 1, Nigeria: 2 [**5**].
Neoromicia capensis (A. Smith, 1829)
Angola: 1, Congo (Democratic Republic of the): 1, Ethiopia: 8, Ghana: 45, Kenya: 5, Lesotho: 9, Madagascar: 1, Malawi: 9, Namibia: 5, Nigeria: 2, Sierra Leone: 2, South Africa: 38, Sudan: 1, Swaziland: 3, Tanzania: 14, Uganda: 8, Zambia: 18, Zimbabwe: 5 [**175**].
Neoromicia guineensis (Bocage, 1889)
Burkina Faso: 1, Ethiopia: 15, Kenya: 2, Nigeria: 2 [**20**].
Neoromicia helios (Heller, 1912)
Kenya: 3 [**3**].
Neoromicia matroka (Thomas and Schwann, 1905)
Madagascar: 8 [**8**].
Neoromicia nana (Peters, 1852)
"Africa": 1, Angola: 7, Botswana: 1, Cameroon: 9, Central African Republic: 1, Congo (Democratic Republic of the): 29, Côte d'Ivoire: 1, Ethiopia: 17, Gabon: 2, Ghana: 11, Kenya: 44, Liberia: 8, Malawi: 29, Mozambique: 8, Namibia: 2, Nigeria: 11, Sierra Leone: 2, South Africa: 19, Swaziland: 1, Tanzania: 14, The Gambia: 1, Uganda: 10, Zambia: 23, Zimbabwe: 1 [**252**].
Neoromicia rendalli (Thomas, 1889)
Congo (Democratic Republic of the): 5, Kenya: 2, Nigeria: 2, South Sudan: 2, Sudan: 4, The Gambia: 2, Uganda: 2, Zambia: 3 [**22**].
Neoromicia somalica (Thomas, 1901)
Angola: 1, Burkina Faso: 2, Congo (Democratic Republic of the): 1, Ethiopia: 26, Kenya: 11, Nigeria: 2, Somalia: 1, Swaziland: 1, Uganda: 1 [**46**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Malawi: 2, Mozambique: 1, Zambia: 2, Zimbabwe: 2 [**7**].
Neoromicia tenuipinnis (Peters, 1872)
Angola: 2, Cameroon: 3, Congo (Democratic Republic of the): 11, Kenya: 11, Nigeria: 2, Sierra Leone: 2, Uganda: 6 [**37**].
Neoromicia zuluensis (Roberts, 1924)
Malawi: 4, Zimbabwe: 3 [**7**].
Nyctalus azoreum (Thomas, 1901)
Azores (Portugal): 14 [**14**].
Nyctalus leisleri (Kuhl, 1817)
Azores (Portugal): 1, Madeira (Portugal): 1 [**2**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Egypt: 4, Ethiopia: 3, Kenya: 5, Nigeria: 1, Sudan: 2, Zimbabwe: 1 [**16**].
Nycteris arge Thomas, 1903
Cameroon: 26, Congo (Democratic Republic of the): 17, Equatorial Guinea: 2, Ghana: 6, Kenya: 5, Liberia: 5, Nigeria: 1, Sierra Leone: 2 [**64**].
Nycteris aurita (K. Andersen, 1912)
Kenya: 6, Somalia: 1, Tanzania: 2 [**9**].
Nycteris gambiensis (K. Andersen, 1912)
Ghana: 3, Nigeria: 2, Senegal: 2, The Gambia: 5 [**12**].
Nycteris grandis Peters, 1865
Benin: 1, Cameroon: 6, Congo (Democratic Republic of the): 5, Equatorial Guinea: 1, Gabon: 2, Ghana: 5, Liberia: 3, Malawi: 1, Nigeria: 3, Tanzania: 8, Zambia: 2 [**37**].
Nycteris hispida (Schreber, 1774)
"Africa": 1, Angola: 3, Cameroon: 11, Congo (Democratic Republic of the): 10, Equatorial Guinea: 4, Ethiopia: 5, Ghana: 28, Kenya: 15, Liberia: 1, Malawi: 3, Nigeria: 23, Senegal: 4, Sierra Leone: 9, South Africa: 1, South Sudan: 15, Sudan: 5, Tanzania: 7, Uganda: 9 [**154**].

Nycteris intermedia Aellen, 1959
Angola: 1, Congo (Democratic Republic of the): 2, Ghana: 3, Tanzania: 1 [**7**].
Nycteris macrotis Dobson, 1876
"Africa": 5, Angola: 3, Congo (Democratic Republic of the): 1, Ethiopia: 3, Ghana: 21, Kenya: 19, Liberia: 1, Malawi: 11, Nigeria: 4, Rwanda: 6, Sierra Leone: 15, Somalia: 3, Sudan: 5, Tanzania: 45, The Gambia: 7, Uganda: 3, Zambia: 1 [**153**].
Nycteris major (K. Andersen, 1912)
Cameroon: 1 [**1**].
Nycteris nana (K. Andersen, 1912)
Cameroon: 3, Congo (Democratic Republic of the): 2, Equatorial Guinea: 1, Ghana: 2, Kenya: 3 [**11**].
Nycteris parisii (de Beaux, 1924)
Ethiopia: 2, Somalia: 1 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Angola: 6, Botswana: 1, Congo (Democratic Republic of the): 3, Egypt: 23, Ethiopia: 17, Kenya: 38, Malawi: 16, Morocco: 1, Mozambique: 11, Namibia: 73, Niger: 3, Nigeria: 1, Senegal: 1, Sierra Leone: 2, Somalia: 12, South Africa: 24, Sudan: 13, Swaziland: 3, Tanzania: 78, The Gambia: 1, Uganda: 13, Zambia: 35, Zimbabwe: 16 [**392**].
Nycteris woodi K. Andersen, 1914
Malawi: 2, Tanzania: 1, Zambia: 15, Zimbabwe: 1 [**19**].
Nycticeinops schlieffenii (Peters, 1859)
"Africa": 1, Botswana: 1, Central African Republic: 1, Congo: 1, Congo (Democratic Republic of the): 5, Egypt: 1, Ethiopia: 3, Ghana: 2, Kenya: 27, Namibia: 2, Nigeria: 1, Somalia: 7, Sudan: 2, Tanzania: 2, Uganda: 1, Zimbabwe: 6 [**63**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Djibouti: 1, Ethiopia: 10, Kenya: 60 [**71**].
Otomops martiensseni (Matschie, 1897)
Central African Republic: 2, Congo (Democratic Republic of the): 1, South Africa: 1 [**4**].
Otonycteris hemprichii Peters, 1859
Algeria: 1, Egypt: 2, Niger: 1 [**4**].
Paratriaenops furculus (Trouessart, 1907)
Madagascar: 4 [**4**].
Paratriaenops pauliani (Goodman and Ranivo, 2008)
Seychelles: 3 [**3**].
Paremballonura atrata (Peters, 1874)
Madagascar: 1 [**1**].
Pipistrellus Kaup, 1829
Cameroon: 1, Ghana: 1, Kenya: 6, Uganda: 2 [**10**].
Pipistrellus grandidieri (Dobson, 1876)
Uganda: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
Cameroon: 1, Ethiopia: 7, Kenya: 8, Liberia: 5, South Africa: 5, Tanzania: 2, Uganda: 1, Zambia: 3, Zimbabwe: 1 [**33**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
Ethiopia: 11, Kenya: 5, Malawi: 15 [**31**].
Pipistrellus kuhlii (Kuhl, 1817)
"Africa": 1, Algeria: 28, Canary Islands (Spain): 5, Egypt: 22, Libya: 1, Morocco: 2, Sudan: 1, Tunisia: 2 [**62**].
Pipistrellus maderensis (Dobson, 1878)
Madeira (Portugal): 2 [**2**].
Pipistrellus nanulus Thomas, 1904
Cameroon: 2, Kenya: 1, Liberia: 1, Sierra Leone: 2, Uganda: 1 [**7**].
Pipistrellus pipistrellus (Schreber, 1774)
"Africa": 1, France: 1 [**2**].
Pipistrellus rueppellii (Fischer, 1829)
"Africa": 1, Egypt: 2, Ethiopia: 1, Malawi: 5, Sudan: 6, Tanzania: 9, Uganda: 2 [**26**].
Pipistrellus rueppellii fuscipes Thomas, 1913
Uganda: 1 [**1**].
Pipistrellus rueppellii pulcher (Dobson, 1875)
Tanzania: 1 [**1**].
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)
Ethiopia: 3, Tanzania: 1 [**4**].
Pipistrellus rusticus (Tomes, 1861)
Egypt: 2, Ethiopia: 32, Ghana: 1, Kenya: 1, Malawi: 6, Namibia: 3, Nigeria: 1, South Africa: 3, Sudan: 2, Zambia: 12 [**63**].
Platymops setiger (Peters, 1878)
Kenya: 4 [**4**].
Platymops setiger macmillani Thomas, 1906
Ethiopia: 2, Kenya: 1, South Sudan: 2 [**5**].
Platymops setiger setiger (Peters, 1878)
Kenya: 1 [**1**].
Plecotus christii Gray, 1838
Egypt: 9, Sudan: 1 [**10**].
Plecotus teneriffae Barrett-Hamilton, 1907
Algeria: 1, Canary Islands (Spain): 1, Malta: 1, Morocco: 1, Tunisia: 5 [**9**].
Plerotes anchietae (Seabra, 1900)
Zambia: 1 [**1**].
PTEROPODIDAE Gray, 1821
Kenya: 3 [**3**].
Pteropus aldabrensis True, 1893
"Africa": 11, Seychelles: 1 [**12**].
Pteropus livingstonii Gray, 1866

Comoros: 5 [**5**].
Pteropus niger (Kerr, 1792)
Mauritius: 6 [**6**].
Pteropus rodricensis Dobson, 1878
Mauritius: 13 [**13**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 15 [**15**].
Pteropus seychellensis A. Milne-Edwards, 1877
Comoros: 16, Seychelles: 18, Tanzania: 6 [**40**].
Pteropus subniger (Kerr, 1792)
Mauritius: 4 [**4**].
Pteropus voeltzkowi Matschie, 1909
Tanzania: 22 [**22**].
Rhinolophus Lacépède, 1799
Angola: 1, Kenya: 2, Somalia: 2, Zambia: 1, Zimbabwe: 1 [**7**].
Rhinolophus alcyone Temminck, 1853
Cameroon: 4, Ghana: 11, Nigeria: 1 [**16**].
Rhinolophus blasii Peters, 1867
Ethiopia: 12, Malawi: 14, Somalia: 1, Zimbabwe: 1 [**28**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 8 [**8**].
Rhinolophus clivosus Cretzschmar, 1828
Algeria: 1, Egypt: 12, Ethiopia: 47, Kenya: 39, Malawi: 8, Namibia: 1, Rwanda: 1, Somalia: 2, South Africa: 8, Sudan: 2, Swaziland: 2, Tanzania: 11, Uganda: 8, Zambia: 6 [**148**].
Rhinolophus damarensis Roberts, 1946
Namibia: 3 [**3**].
Rhinolophus darlingi K. Andersen, 1905
Angola: 2, Kenya: 1, Malawi: 1, Nigeria: 2, South Africa: 1, Tanzania: 1, Zimbabwe: 9 [**17**].
Rhinolophus deckenii Peters, 1868
Tanzania: 1 [**1**].
Rhinolophus denti Thomas, 1904
South Africa: 1 [**1**].
Rhinolophus eloquens K. Andersen, 1905
Congo (Democratic Republic of the): 4, Kenya: 25, Sudan: 1, Tanzania: 8, Uganda: 15 [**53**].
Rhinolophus euryale Blasius, 1853
Algeria: 5, Egypt: 6, Morocco: 2 [**13**].
Rhinolophus ferrumequinum (Schreber, 1774)
Algeria: 2, Morocco: 1, Tunisia: 1 [**4**].
Rhinolophus fumigatus Rüppell, 1842
"Africa": 1, Angola: 5, Cameroon: 4, Central African Republic: 7, Ethiopia: 24, Kenya: 3, Malawi: 7, Nigeria: 6, Senegal: 4, Sierra Leone: 4, Somalia: 2, Tanzania: 6, The Gambia: 2, Uganda: 5, Zambia: 2, Zimbabwe: 1 [**83**].
Rhinolophus guineensis Eisentraut, 1960
Nigeria: 1 [**1**].
Rhinolophus hildebrandtii Peters, 1878
Ethiopia: 2, Kenya: 6, Sudan: 1, Tanzania: 4 [**13**].
Rhinolophus hillorum Koopman, 1989
Liberia: 1 [**1**].
Rhinolophus hipposideros (Bechstein, 1800)
Algeria: 1, Angola: 1, Cameroon: 4, Ethiopia: 2, Liberia: 1, Morocco: 4, Sudan: 1 [**14**].
Rhinolophus landeri Martin, 1838
Cameroon: 5, Central African Republic: 1, Equatorial Guinea: 1, Ethiopia: 22, Ghana: 3, Nigeria: 2, Sierra Leone: 18, Sudan: 13, The Gambia: 1, Togo: 1 [**67**].
Rhinolophus lobatus Peters, 1852
Congo (Democratic Republic of the): 1, Kenya: 25, Malawi: 6, Mozambique: 4, Tanzania: 9, Uganda: 19, Zambia: 3, Zimbabwe: 5 [**72**].
Rhinolophus mehelyi Matschie, 1901
Tunisia: 2 [**2**].
Rhinolophus rhodesiae Roberts, 1946
Malawi: 2, Tanzania: 1, Zambia: 2, Zimbabwe: 3 [**8**].
Rhinolophus ruwenzorii J. Eric Hill, 1942
Congo (Democratic Republic of the): 3, Uganda: 1 [**4**].
Rhinolophus simulator K. Andersen, 1904
Cameroon: 6, Ethiopia: 13, Malawi: 3, Nigeria: 3, Tanzania: 2, Zambia: 8, Zimbabwe: 4 [**39**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Malawi: 5, Mozambique: 1, Zambia: 4, Zimbabwe: 9 [**19**].
Rhinopoma E. Geoffroy St.-Hilaire, 1818
"Africa": 1 [**1**].
Rhinopoma cystops Thomas, 1903
Egypt: 24, Ethiopia: 8, Kenya: 8, Niger: 1, Sudan: 13 [**54**].
Rhinopoma macinnesi Hayman, 1937
Kenya: 19 [**19**].
Rhinopoma microphyllum (Brünnich, 1782)
"Africa": 1, Egypt: 31, Nigeria: 1, Sudan: 6 [**39**].
Rousettus Gray, 1821
Congo (Democratic Republic of the): 1, Malawi: 1 [**2**].

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Angola: 2, Cameroon: 1, Congo (Democratic Republic of the): 8, Egypt: 13, Ethiopia: 24, Ghana: 4, Kenya: 27, Liberia: 6, Sierra Leone: 6, South Africa: 22, Tanzania: 11, The Gambia: 1, Uganda: 22, Zambia: 2, Zimbabwe: 2 [**151**].
Saccolaimus peli (Temminck, 1853)
"Africa": 1, Cameroon: 3, Congo (Democratic Republic of the): 6, Ghana: 3, Nigeria: 8, Uganda: 1 [**22**].
Sauromys petrophilus (Roberts, 1917)
Namibia: 1, Zimbabwe: 1 [**2**].
Sauromys petrophilus erongensis (Roberts, 1946)
Namibia: 1 [**1**].
Scotoecus albigula Thomas, 1909
Angola: 1, Kenya: 7, Malawi: 2, Somalia: 1, Zambia: 1 [**12**].
Scotoecus albofuscus (Thomas, 1890)
Malawi: 8, Nigeria: 1, Sierra Leone: 1, The Gambia: 2 [**12**].
Scotoecus hindei Thomas, 1901
Ethiopia: 3, Kenya: 9, Malawi: 2, Nigeria: 4, South Sudan: 12, Tanzania: 2, Uganda: 2 [**34**].
Scotoecus hirundo (de Winton, 1899)
Ethiopia: 29, Ghana: 3, Kenya: 15, Nigeria: 1, Sierra Leone: 2, South Sudan: 12, Tanzania: 1, Uganda: 10 [**73**].
Scotonycteris occidentalis Hayman, 1947
Ghana: 3, Liberia: 10 [**13**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 2, Equatorial Guinea: 1, Nigeria: 1 [**4**].
Scotophilus Leach, 1821
Mozambique: 3, Namibia: 2, Nigeria: 2, Tanzania: 1 [**8**].
Scotophilus dinganii (A. Smith, 1833)
Angola: 3, Congo (Democratic Republic of the): 2, Ethiopia: 28, Ghana: 2, Kenya: 28, Malawi: 10, Mozambique: 13, Namibia: 9, Nigeria: 22, Sierra Leone: 3, Somalia: 2, South Africa: 8, Sudan: 2, Tanzania: 5, The Gambia: 2, Uganda: 5, Zambia: 6 [**150**].
Scotophilus leucogaster (Cretzschmar, 1826)
Burkina Faso: 2, Ethiopia: 21, Ghana: 1, Guinea-Bissau: 1, Kenya: 3, Malawi: 5, Mozambique: 4, Namibia: 8, Niger: 1, Nigeria: 1, Sierra Leone: 2, Sudan: 6, Uganda: 3, Zambia: 7 [**65**].
Scotophilus nigrita (Schreber, 1774)
Ghana: 1, Malawi: 4, Nigeria: 1, Zimbabwe: 1 [**7**].
Scotophilus nux Thomas, 1904
Cameroon: 8, Congo (Democratic Republic of the): 1, Liberia: 3 [**12**].
Scotophilus viridis (Peters, 1852)
"Africa": 1, Central African Republic: 2, Ethiopia: 2, Ghana: 11, Malawi: 4, Mozambique: 5, Nigeria: 7, Senegal: 1, Tanzania: 2, The Gambia: 4, Zambia: 6 [**45**].
Stenonycteris lanosus (Thomas, 1906)
Egypt: 2, Ethiopia: 1, Kenya: 12, Rwanda: 4, Tanzania: 2, Uganda: 6 [**27**].
Tadarida Rafinesque, 1814
Congo (Democratic Republic of the): 2, South Africa: 1, Tanzania: 1, The Gambia: 4, Uganda: 2, Zambia: 2 [**12**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
"Africa": 1, Algeria: 1, Angola: 2, Egypt: 6, Kenya: 8, Niger: 1, Nigeria: 2, South Africa: 9, Swaziland: 1, Zimbabwe: 14 [**45**].
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Kenya: 5 [**5**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
Angola: 1, Zambia: 13 [**14**].
Tadarida fulminans (Thomas, 1903)
Madagascar: 1, Zimbabwe: 2 [**3**].
Tadarida lobata (Thomas, 1891)
Kenya: 2 [**2**].
Tadarida teniotis (Rafinesque, 1814)
Egypt: 17, Morocco: 4 [**21**].
Tadarida ventralis (Heuglin, 1861)
Kenya: 1, South Africa: 1 [**2**].
Taphozous E. Geoffroy St.-Hilaire, 1818
Sudan: 1 [**1**].
Taphozous hamiltoni Thomas, 1920
Kenya: 5, South Sudan: 1, Sudan: 1 [**7**].
Taphozous hildegardeae Thomas, 1909
Kenya: 19 [**19**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Angola: 10, Central African Republic: 2, Congo (Democratic Republic of the): 5, Ethiopia: 1, Guinea-Bissau: 1, Kenya: 1, Madagascar: 1, Malawi: 2, Mauritius: 1, Namibia: 1, Sierra Leone: 2, South Sudan: 19, Sudan: 1, Tanzania: 9, The Gambia: 1, Uganda: 9, Zambia: 2, Zimbabwe: 2 [**71**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 4, Ghana: 1, Kenya: 2, Nigeria: 3, Somalia: 2, Sudan: 13, Tanzania: 4, The Gambia: 1, Uganda: 1 [**31**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Egypt: 26, Ethiopia: 18, Ghana: 1, Kenya: 1, Nigeria: 2, Senegal: 1, Sudan: 12, Togo: 1 [**62**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Nigeria: 1 [**1**].
Taphozous perforatus sudani Thomas, 1915
Congo (Democratic Republic of the): 2, South Sudan: 1 [**3**].
Triaenops Dobson, 1871
Somalia: 1 [**1**].

Triaenops afer Peters, 1877
Ethiopia: 18, Kenya: 10, Somalia: 1, Tanzania: 3, Uganda: 14 [**46**].
Triaenops menamena Goodman and Ranivo, 2009
Madagascar: 6 [**6**].
VESPERTILIONIDAE Gray, 1821
Kenya: 1, Tanzania: 10 [**11**].
Vespertilioninae Gray, 1821
South Africa: 2, Zimbabwe: 1 [**3**].

Total Specimens for BMNH: 8276

BRTC: Biodiversity Research and Teaching Collections

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Ethiopia: 1 [**1**].
Cardioderma cor (Peters, 1872)
Somalia: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Ethiopia: 3, Kenya: 4, Niger: 1, Somalia: 1, Zambia: 1 [**10**].
Cloeotis percivali Thomas, 1901
South Africa: 1 [**1**].
Coleura afra (Peters, 1852)
Somalia: 1 [**1**].
Eidolon helvum (Kerr, 1792)
Tanzania: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
Ethiopia: 8, Niger: 2 [**10**].
Epomophorus minor Dobson, 1880
Somalia: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
Zambia: 1 [**1**].
Epomops franqueti (Tomes, 1860)
Cameroon: 2 [**2**].
Eptesicus hottentotus (A. Smith, 1833)
Namibia: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
Cameroon: 2, Ethiopia: 2, Mozambique: 1, Niger: 1 [**6**].
Hipposideros ruber (Noack, 1893)
Tanzania: 1 [**1**].
Hypsignathus monstrosus H. Allen, 1862
Ethiopia: 2 [**2**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Niger: 1, Uganda: 1 [**2**].
Macronycteris vittatus (Peters, 1852)
Somalia: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Cameroon: 2, Ethiopia: 7 [**9**].
Miniopterus fraterculus Thomas and Schwann, 1906
South Africa: 1 [**1**].
Miniopterus inflatus Thomas, 1903
Ethiopia: 18 [**18**].
Miniopterus natalensis (A. Smith, 1833)
South Africa: 4 [**4**].
Mops (Mops) condylurus (A. Smith, 1833)
Somalia: 1, South Africa: 1, Tanzania: 1 [**3**].
Mormopterus jugularis (Peters, 1865)
Madagascar: 2 [**2**].
Myonycteris angolensis (Bocage, 1898)
Ethiopia: 14 [**14**].
Myotis Kaup, 1829
Ethiopia: 1 [**1**].
Myotis bocagii (Peters, 1870)
Ethiopia: 4, Kenya: 4 [**8**].
Myotis punicus Felten, 1977
Morocco: 2 [**2**].
Myotis tricolor (Temminck, 1832)
South Africa: 3 [**3**].
Myotis welwitschii (Gray, 1866)
Ethiopia: 3 [**3**].
Neoromicia capensis (A. Smith, 1829)
Ethiopia: 31, South Africa: 1 [**32**].
Neoromicia guineensis (Bocage, 1889)
Ethiopia: 3 [**3**].
Neoromicia rendalli (Thomas, 1889)
Niger: 1 [**1**].

Neoromicia somalica (Thomas, 1901)
Somalia: 1 [**1**].
Nycteris hispida (Schreber, 1774)
Kenya: 1 [**1**].
Nycteris macrotis Dobson, 1876
Niger: 2 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Namibia: 1, South Africa: 4 [**5**].
Nycticeinops schlieffenii (Peters, 1859)
Somalia: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
Niger: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
Ethiopia: 3, Kenya: 4 [**7**].
Rhinolophus clivosus Cretzschmar, 1828
Ethiopia: 8, South Africa: 3 [**11**].
Rhinolophus fumigatus Rüppell, 1842
Ethiopia: 1, Niger: 1 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Sierra Leone: 1 [**1**].
Sauromys petrophilus (Roberts, 1917)
Namibia: 1 [**1**].
Scotophilus Leach, 1821
Malawi: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
Ethiopia: 6, Somalia: 1 [**7**].
Scotophilus ejetai Brooks and Bickham, 2014
Ethiopia: 3 [**3**].
Scotophilus nigrita (Schreber, 1774)
Kenya: 1 [**1**].
Stenonycteris lanosus (Thomas, 1906)
Ethiopia: 4 [**4**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
South Africa: 1, Tanzania: 1 [**2**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Niger: 3 [**3**].
Triaenops afer Peters, 1877
Somalia: 1 [**1**].

Total Specimens for BRTC: 201

CAS: California Academy of Sciences

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Saudi Arabia: 1 [**1**].
Cardioderma cor (Peters, 1872)
Kenya: 5, Somalia: 8 [**13**].
Chaerephon pumilus (Cretzschmar, 1826)
"Africa": 3, Kenya: 33, Uganda: 15 [**51**].
Cloeotis percivali Thomas, 1901
Zambia: 1 [**1**].
Coleura afra (Peters, 1852)
Tanzania: 2, Uganda: 10 [**12**].
Eidolon helvum (Kerr, 1792)
São Tomé and Principé: 6 [**6**].
Epomophorus gambianus (Ogilby, 1835)
Ghana: 1 [**1**].
Epomophorus minor Dobson, 1880
Kenya: 2 [**2**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 3, Uganda: 16, Zambia: 1 [**20**].
Glauconycteris argentata (Dobson, 1875)
Kenya: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
Zambia: 1 [**1**].
Hipposideros Gray, 1831
Uganda: 15 [**15**].
Hipposideros caffer (Sundevall, 1846)
Congo (Democratic Republic of the): 4, Kenya: 3, Tanzania: 10, Uganda: 19, Zambia: 2 [**38**].
Hipposideros megalotis (Heuglin, 1861)
Kenya: 1 [**1**].
Hipposideros ruber (Noack, 1893)
São Tomé and Principé: 54 [**54**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Congo (Democratic Republic of the): 2, Kenya: 1 [**3**].

Macronycteris vittatus (Peters, 1852)
Zambia: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
Uganda: 4 [**4**].
Mimetillus moloneyi (Thomas, 1891)
Zambia: 2, Zimbabwe: 2 [**4**].
Miniopterus inflatus inflatus Thomas, 1903
Congo (Democratic Republic of the): 6, Kenya: 4 [**10**].
Miniopterus minor Peters, 1867
São Tomé and Principé: 10 [**10**].
Miniopterus natalensis (A. Smith, 1833)
Congo (Democratic Republic of the): 5, Kenya: 2, Zambia: 8, Zimbabwe: 8 [**23**].
Mops (Mops) condylurus (A. Smith, 1833)
"Africa": 4, Kenya: 5, Uganda: 17 [**26**].
Myotis tricolor (Temminck, 1832)
Kenya: 4 [**4**].
Neoromicia Roberts, 1926
Uganda: 15 [**15**].
Neoromicia capensis (A. Smith, 1829)
Angola: 1, Kenya: 1, Zambia: 3 [**5**].
Neoromicia nana (Peters, 1852)
Kenya: 1, Uganda: 15, Zambia: 1 [**17**].
Neoromicia rendalli (Thomas, 1889)
Uganda: 1 [**1**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Uganda: 2 [**2**].
Nycteris arge Thomas, 1903
Congo (Democratic Republic of the): 2 [**2**].
Nycteris hispida (Schreber, 1774)
Congo (Democratic Republic of the): 1, Kenya: 1, Uganda: 4 [**6**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Kenya: 2, Namibia: 14, Tanzania: 4, Uganda: 8, Zambia: 1 [**29**].
Nycticeinops schlieffenii (Peters, 1859)
Kenya: 1, Uganda: 1 [**2**].
Otonycteris hemprichii Peters, 1859
Egypt: 1 [**1**].
Pipistrellus Kaup, 1829
Uganda: 2 [**2**].
Pipistrellus rueppellii (Fischer, 1829)
Egypt: 1, Zambia: 1 [**2**].
Plecotus christii Gray, 1838
Egypt: 2 [**2**].
Rhinolophus Lacépède, 1799
Kenya: 2, Tanzania: 2, Uganda: 4 [**8**].
Rhinolophus clivosus Cretzschmar, 1828
Kenya: 6 [**6**].
Rhinolophus darlingi K. Andersen, 1905
Egypt: 5 [**5**].
Rhinolophus deckenii Peters, 1868
Kenya: 1 [**1**].
Rhinolophus eloquens K. Andersen, 1905
Kenya: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
Kenya: 12 [**12**].
Rhinolophus lobatus Peters, 1852
Kenya: 9 [**9**].
Rhinolophus simulator K. Andersen, 1904
Zambia: 8 [**8**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Zambia: 1 [**1**].
Rousettus Gray, 1821
Uganda: 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
São Tomé and Principé: 2, Uganda: 1, Zambia: 2 [**5**].
Scotophilus dinganii (A. Smith, 1833)
Kenya: 13, Uganda: 17 [**30**].
Tadarida Rafinesque, 1814
Kenya: 2, Somalia: 1, Uganda: 1 [**4**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Namibia: 2 [**2**].
Taphozous E. Geoffroy St.-Hilaire, 1818
Uganda: 10 [**10**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Kenya: 1, Uganda: 11 [**12**].

Total Specimens for CAS: 505

CAWM: College of African Wildlife Management, Mweka

Eidolon helvum helvum (Kerr, 1792)
Tanzania: 1 [**1**].
Kerivoula Gray, 1842
Tanzania: 2 [**2**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Tanzania: 1 [**1**].

Total Specimens for CAWM: 4

CDC: Centers for Disease Control and Prevention

Cardioderma cor (Peters, 1872)
Kenya: 17 [**17**].

Total Specimens for CDC: 17

CM: Carnegie Museum

Chaerephon aloysiisabaudiae (Festa, 1907)
"Africa": 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
"Africa": 1 [**1**].
Eidolon helvum (Kerr, 1792)
Cameroon: 4, Kenya: 1 [**5**].
Epomophorus crypturus Peters, 1852
Angola: 3, Congo (Democratic Republic of the): 1, South Africa: 3, Zimbabwe: 5 [**12**].
Epomophorus gambianus (Ogilby, 1835)
Cameroon: 1, Central African Republic: 2, Côte d'Ivoire: 1, Ghana: 14 [**18**].
Epomophorus labiatus (Temminck, 1837)
Malawi: 6, Tanzania: 1, Uganda: 2 [**9**].
Epomophorus minimus Claessen & De Vree, 1991
Ethiopia: 7, Kenya: 10, Somalia: 93 [**110**].
Epomophorus minor Dobson, 1880
Ethiopia: 8, Kenya: 2, Malawi: 7 [**17**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 28, Malawi: 2, Somalia: 55, South Africa: 8 [**93**].
Epomops franqueti (Tomes, 1860)
Cameroon: 19 [**19**].
Eptesicus hottentotus (A. Smith, 1833)
Kenya: 1, Namibia: 11, South Africa: 4 [**16**].
Glauconycteris alboguttata J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Glauconycteris beatrix Thomas, 1901
Cameroon: 1 [**1**].
Glauconycteris curryae Eger and Schlitter, 2001
Cameroon: 1, Congo (Democratic Republic of the): 1 [**2**].
Glauconycteris humeralis J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
Kenya: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
Ghana: 7 [**7**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 1 [**1**].
Hypsugo anchietae (Seabra, 1900)
Angola: 3 [**3**].
Hypsugo crassulus (Thomas, 1904)
Cameroon: 1, Kenya: 1 [**2**].
Hypsugo eisentrauti (Hill, 1968)
Kenya: 8 [**8**].
Hypsugo savii (Bonaparte, 1837)
Algeria: 5 [**5**].
Laephotis namibensis Setzer, 1971
Namibia: 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 13 [**13**].
Micropteropus pusillus (Peters, 1868)
Central African Republic: 8, Ghana: 1 [**9**].
Miniopterus fraterculus Thomas and Schwann, 1906
Kenya: 1 [**1**].
Miniopterus inflatus Thomas, 1903
Kenya: 1 [**1**].

Mops (Mops) congicus J.A. Allen, 1917
"Africa": 1 [**1**].
Mops (Mops) midas (Sundevall, 1843)
"Africa": 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
Kenya: 2 [**2**].
Myonycteris torquata (Dobson, 1878)
Cameroon: 9 [**9**].
Neoromicia brunnea (Thomas, 1880)
Cameroon: 18, Gabon: 1 [**19**].
Neoromicia capensis (A. Smith, 1829)
Angola: 2, Ethiopia: 1, Namibia: 4, South Africa: 70, Zimbabwe: 1 [**78**].
Neoromicia guineensis (Bocage, 1889)
Cameroon: 1, Central African Republic: 3, Ethiopia: 1, Ghana: 1 [**6**].
Neoromicia helios (Heller, 1912)
Kenya: 19, Somalia: 9 [**28**].
Neoromicia nana (Peters, 1852)
Cameroon: 13, Central African Republic: 3, Congo: 20, Congo (Democratic Republic of the): 12, Ethiopia: 1, Ghana: 3, Kenya: 14, South Africa: 7, Zimbabwe: 9 [**82**].
Neoromicia rendalli (Thomas, 1889)
Congo (Democratic Republic of the): 11, Ghana: 3, Kenya: 2, Somalia: 13 [**29**].
Neoromicia somalica (Thomas, 1901)
Cameroon: 1, Central African Republic: 18, Ethiopia: 2, Kenya: 7, Somalia: 15 [**43**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
South Africa: 2 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
Cameroon: 18, Central African Republic: 5, Congo (Democratic Republic of the): 2, Ghana: 2 [**27**].
Neoromicia zuluensis (Roberts, 1924)
Kenya: 1, Namibia: 3, South Africa: 7 [**11**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Gabon: 1 [**1**].
Nycteris hispida (Schreber, 1774)
Central African Republic: 2, Ethiopia: 1 [**3**].
Nycteris intermedia Aellen, 1959
Côte d'Ivoire: 1 [**1**].
Nycteris macrotis Dobson, 1876
Ethiopia: 1, Kenya: 2 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Ethiopia: 1, Kenya: 4, South Africa: 1 [**6**].
Nycticeinops schlieffenii (Peters, 1859)
Kenya: 1 [**1**].
Otomops martiensseni (Matschie, 1897)
"Africa": 1 [**1**].
Pipistrellus grandidieri (Dobson, 1876)
Angola: 1, Cameroon: 1, Kenya: 1 [**3**].
Pipistrellus hesperidus (Temminck, 1840)
Côte d'Ivoire: 1, Ethiopia: 1, Ghana: 1, Kenya: 11, Somalia: 1, South Africa: 6 [**21**].
Pipistrellus kuhlii (Kuhl, 1817)
Algeria: 30, Egypt: 15, Libya: 3 [**48**].
Pipistrellus nanulus Thomas, 1904
Cameroon: 6, Ghana: 5 [**11**].
Pipistrellus pipistrellus (Schreber, 1774)
Libya: 14 [**14**].
Pipistrellus rueppellii (Fischer, 1829)
South Africa: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
Central African Republic: 6, South Africa: 28 [**34**].
Plerotes anchietae (Seabra, 1900)
Angola: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Egypt: 29 [**29**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Cameroon: 2 [**2**].
Sauromys petrophilus (Roberts, 1917)
South Africa: 1 [**1**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 2 [**2**].
Scotophilus andrewreborii Brooks and Bickham, 2014
Kenya: 14 [**14**].
Scotophilus dinganii (A. Smith, 1833)
Ethiopia: 1, Ghana: 3, Kenya: 1, South Africa: 3 [**8**].
Scotophilus leucogaster (Cretzschmar, 1826)
Ghana: 1, Kenya: 1 [**2**].
Scotophilus livingstonii Brooks and Bickham, 2014
Kenya: 4 [**4**].

Scotophilus nigrita (Schreber, 1774)
Kenya: 1 [**1**].
Scotophilus trujilloi Brooks and Bickham, 2014
Kenya: 5 [**5**].
Scotophilus viridis (Peters, 1852)
Kenya: 2 [**2**].
Stenonycteris lanosus (Thomas, 1906)
Kenya: 2 [**2**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
"Africa": 1 [**1**].
Tadarida fulminans (Thomas, 1903)
"Africa": 1 [**1**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 1 [**1**].

Total Specimens for CM: 920

CUMV: Cornell University Museum of Vertebrates

Cardioderma cor (Peters, 1872)
Kenya: 37 [**37**].
Chaerephon pumilus (Cretzschmar, 1826)
Kenya: 53 [**53**].
Coleura afra (Peters, 1852)
Kenya: 2 [**2**].
Eidolon helvum (Kerr, 1792)
Uganda: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Kenya: 16 [**16**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 13, South Africa: 1 [**14**].
Epomops Gray, 1866
Ghana: 1 [**1**].
Epomops franqueti (Tomes, 1860)
Gabon: 12 [**12**].
Hipposideros caffer (Sundevall, 1846)
Kenya: 2 [**2**].
Hypsignathus monstrosus H. Allen, 1862
Gabon: 24 [**24**].
Macronycteris vittatus (Peters, 1852)
Kenya: 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
"Africa": 1, Gabon: 2 [**3**].
Mimetillus moloneyi (Thomas, 1891)
Kenya: 1 [**1**].
Miniopterus inflatus inflatus Thomas, 1903
Kenya: 2 [**2**].
Myotis bocagii (Peters, 1870)
Kenya: 4 [**4**].
Neoromicia capensis (A. Smith, 1829)
Kenya: 1 [**1**].
Neoromicia nana (Peters, 1852)
Kenya: 25 [**25**].
Neoromicia rendalli (Thomas, 1889)
Kenya: 1 [**1**].
Neoromicia tenuipinnis (Peters, 1872)
Kenya: 5 [**5**].
Nycteris grandis Peters, 1865
Gabon: 2 [**2**].
Nycteris hispida (Schreber, 1774)
Kenya: 3 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Kenya: 2 [**2**].
PTEROPODIDAE Gray, 1821
Ghana: 1 [**1**].
Rhinolophus deckenii Peters, 1868
Kenya: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
Kenya: 3 [**3**].
Rhinolophus lobatus Peters, 1852
Kenya: 1 [**1**].
Scotoecus hirundo (de Winton, 1899)
Kenya: 1 [**1**].
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Gabon: 1 [**1**].

Scotophilus leucogaster (Cretzschmar, 1826)
Kenya: 22, Uganda: 4 [**26**].
Scotophilus nigrita (Schreber, 1774)
Kenya: 1 [**1**].
Tadarida Rafinesque, 1814
Uganda: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Kenya: 51 [**51**].
Triaenops afer Peters, 1877
Kenya: 5 [**5**].

Total Specimens for CUMV: 304

CUMZ: Cambridge University Museum of Zoology

Paratriaenops pauliani (Goodman and Ranivo, 2008)
Seychelles: 2 [**2**].

Total Specimens for CUMZ: 2

CZL: Centro de Zoologia, Lisboa

Chaerephon bivittatus (Heuglin, 1861)
Mozambique: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Mozambique: 2 [**2**].
Eidolon helvum (Kerr, 1792)
Angola: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
Mozambique: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
Angola: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
Angola: 1, Mozambique: 1 [**2**].
Neoromicia nana (Peters, 1852)
Guinea-Bissau: 3, Mozambique: 2 [**5**].
Neoromicia somalica (Thomas, 1901)
Guinea-Bissau: 2 [**2**].
Neoromicia zuluensis (Roberts, 1924)
Angola: 2 [**2**].
Nycteris hispida (Schreber, 1774)
Angola: 1 [**1**].
Nycteris macrotis Dobson, 1876
Mozambique: 2 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Mozambique: 1 [**1**].
Plerotes anchietae (Seabra, 1900)
Angola: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
Angola: 1 [**1**].

Total Specimens for CZL: 24

DCDH: David C.D. Happold Collection

Laephotis botswanae Setzer, 1971
Malawi: 11 [**11**].
Neoromicia capensis (A. Smith, 1829)
Malawi: 14 [**14**].
Neoromicia flavescens (Seabra, 1900)
Malawi: 1 [**1**].
Neoromicia nana (Peters, 1852)
Malawi: 49 [**49**].
Neoromicia rendalli (Thomas, 1889)
Malawi: 3 [**3**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Malawi: 1 [**1**].
Neoromicia zuluensis (Roberts, 1924)
Malawi: 7 [**7**].
Pipistrellus hesperidus (Temminck, 1840)
Malawi: 48 [**48**].
Pipistrellus rueppellii (Fischer, 1829)
Malawi: 15 [**15**].

Total Specimens for DCDH: 149

DNSM: Durban Natural Science Museum

Chaerephon ansorgei (Thomas, 1913)
Mozambique: 4 [**4**].
Chaerephon nigeriae Thomas, 1913
South Africa: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
Mozambique: 5, South Africa: 323, Swaziland: 27 [**355**].
CHIROPTERA Blumenbach, 1779
"Africa": 1 [**1**].
Cistugo lesueuri Roberts, 1919
Lesotho: 1, South Africa: 2 [**3**].
Cloeotis percivali Thomas, 1901
South Africa: 25, Swaziland: 3, Zimbabwe: 2 [**30**].
Doryrhina cyclops (Temminck, 1853)
Liberia: 1 [**1**].
Eidolon helvum (Kerr, 1792)
South Africa: 2, Zambia: 2 [**4**].
Epomophorus Bennett, 1836
South Africa: 1 [**1**].
Epomophorus crypturus Peters, 1852
Mozambique: 6, Swaziland: 1 [**7**].
Epomophorus labiatus (Temminck, 1837)
Mozambique: 1 [**1**].
Epomophorus minor Dobson, 1880
Mozambique: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
Mozambique: 14, South Africa: 146, Swaziland: 5, Zimbabwe: 1 [**166**].
Eptesicus hottentotus (A. Smith, 1833)
Mozambique: 1, South Africa: 8 [**9**].
Glauconycteris Dobson, 1875
Liberia: 1 [**1**].
Glauconycteris poensis (Gray, 1842)
Liberia: 3 [**3**].
Glauconycteris variegata (Tomes, 1861)
Mozambique: 1, South Africa: 4 [**5**].
Hipposideros beatus (K. Andersen, 1906)
Liberia: 4 [**4**].
Hipposideros caffer (Sundevall, 1846)
Mali: 1, Mozambique: 6, Namibia: 1, South Africa: 108, Swaziland: 5, Zimbabwe: 27 [**148**].
Hipposideros marisae Aellen, 1954
Liberia: 1 [**1**].
Hipposideros ruber (Noack, 1893)
Liberia: 9, Mozambique: 5 [**14**].
Hypsugo anchietae (Seabra, 1900)
Angola: 1, South Africa: 18, Swaziland: 5 [**24**].
Hypsugo crassulus (Thomas, 1904)
Liberia: 3 [**3**].
Kerivoula argentata Tomes, 1861
Mozambique: 1, South Africa: 2 [**3**].
Kerivoula lanosa (A. Smith, 1847)
Mozambique: 1, South Africa: 2, Swaziland: 3 [**6**].
Laephotis botswanae Setzer, 1971
South Africa: 4 [**4**].
Macronycteris gigas (Wagner, 1845)
Gabon: 1, Liberia: 1 [**2**].
Macronycteris vittatus (Peters, 1852)
Mozambique: 2, Zimbabwe: 2 [**4**].
Micropteropus pusillus (Peters, 1868)
Mali: 1 [**1**].
Miniopterus fraterculus Thomas and Schwann, 1906
South Africa: 35, Swaziland: 4 [**39**].
Miniopterus inflatus Thomas, 1903
Mozambique: 4, South Africa: 5 [**9**].
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013
Mozambique: 4, Zimbabwe: 1 [**5**].
Miniopterus natalensis (A. Smith, 1833)
South Africa: 195, Swaziland: 13 [**208**].
Mops (Mops) condylurus (A. Smith, 1833)
Mozambique: 10, South Africa: 101, Swaziland: 4 [**115**].
Mops (Mops) midas (Sundevall, 1843)
South Africa: 9 [**9**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Congo (Democratic Republic of the): 1 [**1**].

Myonycteris angolensis goliath (Bergmans, 1997)
Mozambique: 3 [**3**].
Myonycteris relicta Bergmans, 1980
Mozambique: 1 [**1**].
Myotis bocagii (Peters, 1870)
Mozambique: 4, South Africa: 8, Swaziland: 2 [**14**].
Myotis tricolor (Temminck, 1832)
Mozambique: 11, South Africa: 28, Swaziland: 2 [**41**].
Myotis welwitschii (Gray, 1866)
South Africa: 2 [**2**].
Neoromicia Roberts, 1926
Liberia: 1, South Africa: 1, Zimbabwe: 1 [**3**].
Neoromicia brunnea (Thomas, 1880)
Liberia: 7 [**7**].
Neoromicia capensis (A. Smith, 1829)
Lesotho: 1, Mozambique: 1, Namibia: 1, South Africa: 149, Swaziland: 5, Zimbabwe: 3 [**160**].
Neoromicia isabella Decher, Hutterer and Monadjem, 2016
Liberia: 1 [**1**].
Neoromicia nana (Peters, 1852)
Liberia: 1, Mozambique: 23, South Africa: 108, Swaziland: 9, Zimbabwe: 6 [**147**].
Neoromicia rendalli (Thomas, 1889)
Mali: 2, Mozambique: 1, Sierra Leone: 1, South Africa: 6 [**10**].
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013
Liberia: 2 [**2**].
Neoromicia somalica (Thomas, 1901)
Liberia: 1 [**1**].
Neoromicia tenuipinnis (Peters, 1872)
Liberia: 1 [**1**].
Neoromicia zuluensis (Roberts, 1924)
Mozambique: 7, South Africa: 7, Swaziland: 2 [**16**].
Nycteris grandis Peters, 1865
Mozambique: 1 [**1**].
Nycteris hispida (Schreber, 1774)
Liberia: 1, Mozambique: 2, South Africa: 4 [**7**].
Nycteris macrotis Dobson, 1876
Liberia: 1, Mozambique: 4 [**5**].
Nycteris nana (K. Andersen, 1912)
Congo (Democratic Republic of the): 2 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Mozambique: 3, Namibia: 2, South Africa: 86, Swaziland: 6, Zimbabwe: 8 [**105**].
Nycticeinops schlieffenii (Peters, 1859)
Mozambique: 9, South Africa: 5, Swaziland: 4, Zimbabwe: 3 [**21**].
Otomops martiensseni (Matschie, 1897)
Kenya: 1, South Africa: 80 [**81**].
Pipistrellus grandidieri (Dobson, 1876)
Liberia: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
Mozambique: 4, South Africa: 108, Swaziland: 9, Zimbabwe: 2 [**123**].
Pipistrellus nanulus Thomas, 1904
Liberia: 2, Mali: 2 [**4**].
Pipistrellus rusticus (Tomes, 1861)
Malawi: 1, Mozambique: 1, South Africa: 17 [**19**].
Rhinolophus Lacépède, 1799
South Africa: 3, Swaziland: 1 [**4**].
Rhinolophus blasii Peters, 1867
Mozambique: 7, South Africa: 1, Swaziland: 2 [**10**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
Mozambique: 8, South Africa: 70, Swaziland: 5, Zimbabwe: 1 [**84**].
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
South Africa: 12 [**12**].
Rhinolophus damarensis Roberts, 1946
South Africa: 3 [**3**].
Rhinolophus darlingi K. Andersen, 1905
South Africa: 13, Swaziland: 4 [**17**].
Rhinolophus deckenii Peters, 1868
Mozambique: 1 [**1**].
Rhinolophus denti Thomas, 1904
South Africa: 5 [**5**].
Rhinolophus fumigatus Rüppell, 1842
Mozambique: 4, Zimbabwe: 1 [**5**].
Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018
Mozambique: 11 [**11**].

Rhinolophus guineensis Eisentraut, 1960
Liberia: 2 [**2**].
Rhinolophus landeri Martin, 1838
Liberia: 1, Mali: 1 [**2**].
Rhinolophus lobatus Peters, 1852
Mozambique: 14 [**14**].
Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mozambique: 2 [**2**].
Rhinolophus maendeleo Kock, Csorba and Howell, 2000
Mozambique: 2 [**2**].
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mozambique: 5 [**5**].
Rhinolophus rhodesiae Roberts, 1946
Mozambique: 7, South Africa: 3 [**10**].
Rhinolophus simulator K. Andersen, 1904
Mozambique: 1, South Africa: 33, Swaziland: 6, Zimbabwe: 4 [**44**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
South Africa: 4, Zimbabwe: 4 [**8**].
Rhinolophus swinnyi Gough, 1908
South Africa: 18 [**18**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Mali: 1, Mozambique: 6, South Africa: 16, Zimbabwe: 1 [**24**].
Sauromys petrophilus (Roberts, 1917)
Mozambique: 3, Zimbabwe: 1 [**4**].
Scotoecus albofuscus (Thomas, 1890)
South Africa: 2 [**2**].
Scotoecus hindei Thomas, 1901
Mozambique: 4 [**4**].
Scotophilus dinganii (A. Smith, 1833)
Malawi: 1, Mozambique: 6, South Africa: 122, Swaziland: 4, Zimbabwe: 1 [**134**].
Scotophilus leucogaster (Cretzschmar, 1826)
Mali: 1, Mozambique: 1, Zimbabwe: 1 [**3**].
Scotophilus nigrita (Schreber, 1774)
South Africa: 1 [**1**].
Scotophilus viridis (Peters, 1852)
Mozambique: 15, South Africa: 18, Swaziland: 1 [**34**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Mozambique: 2, South Africa: 30 [**32**].
Tadarida fulminans (Thomas, 1903)
Mozambique: 2, Zimbabwe: 2 [**4**].
Tadarida ventralis (Heuglin, 1861)
South Africa: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
"Africa": 1, South Africa: 19, Swaziland: 1 [**21**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
South Africa: 2 [**2**].
Triaenops afer Peters, 1877
Malawi: 1, Mozambique: 10 [**11**].

Total Specimens for DNSM: 2509

EBD: Estacion Biologia la Doñana, Sevilla

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Morocco: 12 [**12**].
Barbastella barbastellus (Schreber, 1774)
Morocco: 2, Spain: 2 [**4**].
Chaerephon tomensis (Juste and Ibáñez, 1993)
São Tomé and Principé: 3 [**3**].
Doryrhina cyclops (Temminck, 1853)
Cameroon: 3 [**3**].
Eidolon helvum (Kerr, 1792)
Gabon: 1, São Tomé and Principé: 2 [**3**].
Epomophorus Bennett, 1836
Gabon: 4 [**4**].
Epomophorus minimus Claessen & De Vree, 1991
Ethiopia: 1 [**1**].
Epomops franqueti (Tomes, 1860)
Gabon: 2 [**2**].
Eptesicus floweri (de Winton, 1901)
Mauritania: 2 [**2**].
Eptesicus hottentotus (A. Smith, 1833)
Angola: 4 [**4**].
Eptesicus isabellinus (Temminck, 1840)
Morocco: 5 [**5**].

Hipposideros caffer (Sundevall, 1846)
Mauritania: 1, Morocco: 1 [**2**].
Hipposideros ruber (Noack, 1893)
Cameroon: 10, Equatorial Guinea: 3, São Tomé and Principé: 2 [**15**].
Hipposideros tephrus (Cabrera, 1906)
Morocco: 1 [**1**].
Hypsugo savii (Bonaparte, 1837)
Morocco: 5 [**5**].
Laephotis wintoni Thomas, 1901
Ethiopia: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Gabon: 7 [**7**].
Miniopterus inflatus Thomas, 1903
Ethiopia: 4 [**4**].
Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Morocco: 1 [**1**].
Miniopterus minor Peters, 1867
Comoros: 2 [**2**].
Miniopterus newtoni Bocage, 1889
São Tomé and Principé: 1 [**1**].
Miniopterus schreibersii (Kuhl, 1817)
Algeria: 7, Morocco: 38 [**45**].
Mops (Mops) condylurus (A. Smith, 1833)
Angola: 3 [**3**].
Myotis Kaup, 1829
Morocco: 6 [**6**].
Myotis bocagii (Peters, 1870)
Equatorial Guinea: 6 [**6**].
Myotis capaccinii (Bonaparte, 1837)
Morocco: 4 [**4**].
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
Morocco: 1 [**1**].
Myotis mystacinus (Kuhl, 1817)
Morocco: 10 [**10**].
Myotis punicus Felten, 1977
Algeria: 1, Morocco: 125 [**126**].
Nyctalus lasiopterus (Schreber, 1780)
Morocco: 1 [**1**].
Nyctalus leisleri (Kuhl, 1817)
Morocco: 34 [**34**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Morocco: 1 [**1**].
Pipistrellus Kaup, 1829
Ethiopia: 7 [**7**].
Pipistrellus kuhlii (Kuhl, 1817)
Morocco: 6 [**6**].
Pipistrellus maderensis (Dobson, 1878)
Canary Islands (Spain): 1 [**1**].
Pipistrellus pipistrellus (Schreber, 1774)
Morocco: 5 [**5**].
Pipistrellus rueppellii (Fischer, 1829)
Mauritania: 1, Morocco: 2 [**3**].
Plecotus balensis Kruskop & Lavrenchenko, 2000
Ethiopia: 5 [**5**].
Plecotus teneriffae Barrett-Hamilton, 1907
Morocco: 5 [**5**].
Rhinolophus Lacépède, 1799
Ethiopia: 5 [**5**].
Rhinolophus blasii Peters, 1867
Morocco: 13 [**13**].
Rhinolophus euryale Blasius, 1853
Algeria: 17, Morocco: 2 [**19**].
Rhinolophus ferrumequinum (Schreber, 1774)
Algeria: 1, Morocco: 2 [**3**].
Rhinolophus hipposideros (Bechstein, 1800)
Algeria: 1, Morocco: 1 [**2**].
Rhinolophus mehelyi Matschie, 1901
Morocco: 5 [**5**].
Rhinopoma cystops Thomas, 1903
Morocco: 1 [**1**].
Rhinopoma microphyllum (Brünnich, 1782)
Morocco: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Gabon: 1, Guinea: 2 [**3**].
Scotonycteris occidentalis Hayman, 1947
Guinea: 1 [**1**].

Scotonycteris zenkeri Matschie, 1894
Gabon: 1 [**1**].
Scotophilus Leach, 1821
Ethiopia: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Angola: 7, Ethiopia: 3 [**10**].
Tadarida teniotis (Rafinesque, 1814)
Morocco: 2 [**2**].
Triaenops afer Peters, 1877
Ethiopia: 1 [**1**].

Total Specimens for EBD: 419

FLMNH: Florida Museum of Natural History

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Egypt: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Egypt: 1 [**1**].
Rhinolophus mehelyi Matschie, 1901
Egypt: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Egypt: 1 [**1**].

Total Specimens for FLMNH: 4

FMNH: Field Museum of Natural History

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Algeria: 2, Egypt: 247, Sudan: 1, Tunisia: 3 [**253**].
Cardioderma cor (Peters, 1872)
Kenya: 26, South Sudan: 20, Sudan: 1, Tanzania: 6 [**53**].
Chaerephon Dobson, 1874
Angola: 1, Congo (Democratic Republic of the): 19 [**20**].
Chaerephon ansorgei (Thomas, 1913)
Congo (Democratic Republic of the): 2, South Sudan: 3 [**5**].
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
Madagascar: 264 [**264**].
Chaerephon bivittatus (Heuglin, 1861)
Kenya: 19, South Sudan: 8 [**27**].
Chaerephon chapini J.A. Allen, 1917
Angola: 1 [**1**].
Chaerephon jobimena Goodman and Cardiff, 2004
Madagascar: 2 [**2**].
Chaerephon leucogaster (A. Grandidier, 1869)
Congo (Democratic Republic of the): 12, Madagascar: 90, Mayotte: 3, Tanzania: 31 [**136**].
Chaerephon major (Trouessart, 1897)
Mali: 5, Niger: 1, South Sudan: 10 [**16**].
Chaerephon pumilus (Cretzschmar, 1826)
Angola: 38, Botswana: 1, Comoros: 99, Congo: 7, Congo (Democratic Republic of the): 3, Ethiopia: 6, Ghana: 1, Kenya: 81, Malawi: 19, Mali: 23, Mozambique: 20, Senegal: 6, Seychelles: 2, South Africa: 17, South Sudan: 72, Sudan: 9, Swaziland: 1, Tanzania: 41, Uganda: 22 [**468**].
Chaerephon pusillus (Miller, 1902)
Comoros: 81, Gabon: 2, Mayotte: 19, Tanzania: 1, Uganda: 1 [**104**].
Chaerephon russatus J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Cloeotis percivali Thomas, 1901
South Africa: 1 [**1**].
Coleura afra (Peters, 1852)
Kenya: 33, South Sudan: 30, Tanzania: 80 [**143**].
Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
Madagascar: 20 [**20**].
Doryrhina cyclops (Temminck, 1853)
Burundi: 3, Cameroon: 2, Congo (Democratic Republic of the): 3, Côte d'Ivoire: 3, Equatorial Guinea: 1, Gabon: 3, Ghana: 6, South Sudan: 3, Tanzania: 3, Uganda: 7 [**34**].
Eidolon dupreanum (Schegel, 1867)
Madagascar: 10 [**10**].
Eidolon helvum (Kerr, 1792)
"Africa": 1, Angola: 1, Cameroon: 19, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1, Ghana: 4, Kenya: 1, Senegal: 29, South Sudan: 20, Sudan: 6, Tanzania: 7, Zambia: 2 [**92**].
Epomophorus Bennett, 1836
South Africa: 1, Tanzania: 22, Uganda: 1 [**24**].
Epomophorus angolensis Gray, 1870
Angola: 15 [**15**].

Epomophorus crypturus Peters, 1852
Botswana: 4, Malawi: 1, Zambia: 25, Zimbabwe: 64 [**94**].
Epomophorus dobsonii Bocage, 1889
Angola: 12, Zambia: 2 [**14**].
Epomophorus gambianus (Ogilby, 1835)
Ghana: 3, Mali: 19, Senegal: 10 [**32**].
Epomophorus gambianus gambianus (Ogilby, 1835)
Côte d'Ivoire: 30, Mali: 42, Nigeria: 5, Senegal: 4 [**81**].
Epomophorus grandis (Sanborn, 1950)
Angola: 2 [**2**].
Epomophorus labiatus (Temminck, 1837)
Burundi: 1, Congo (Democratic Republic of the): 11, Ghana: 2, Kenya: 20, Malawi: 5, South Sudan: 53, Sudan: 4, Tanzania: 7, Uganda: 25 [**128**].
Epomophorus minimus Claessen & De Vree, 1991
Kenya: 6 [**6**].
Epomophorus minor Dobson, 1880
Malawi: 5, Tanzania: 5 [**10**].
Epomophorus wahlbergi (Sundevall, 1846)
Angola: 41, Burundi: 2, Congo (Democratic Republic of the): 2, Gabon: 6, Kenya: 28, Malawi: 19, Mozambique: 5, South Africa: 36, Tanzania: 68 [**207**].
Epomops buettikoferi (Matschie, 1899)
Côte d'Ivoire: 4, Ghana: 1 [**5**].
Epomops franqueti (Tomes, 1860)
Angola: 17, Cameroon: 5, Congo (Democratic Republic of the): 9, Côte d'Ivoire: 1, Gabon: 2, Nigeria: 12, South Sudan: 1, Tanzania: 10, Uganda: 113 [**170**].
Eptesicus Rafinesque, 1820
Senegal: 4 [**4**].
Glauconycteris Dobson, 1875
Gabon: 1 [**1**].
Glauconycteris argentata (Dobson, 1875)
Angola: 3, Kenya: 7, Tanzania: 17, Uganda: 2 [**29**].
Glauconycteris beatrix Thomas, 1901
Angola: 1, Gabon: 1 [**2**].
Glauconycteris gleni Peterson and Smith, 1973
Tanzania: 6 [**6**].
Glauconycteris humeralis J.A. Allen, 1917
Congo (Democratic Republic of the): 3, Tanzania: 11, Uganda: 2 [**16**].
Glauconycteris poensis (Gray, 1842)
Ghana: 1, Nigeria: 5, Tanzania: 9 [**15**].
Glauconycteris variegata (Tomes, 1861)
Angola: 1, Congo (Democratic Republic of the): 2, Tanzania: 2, Uganda: 1, Zimbabwe: 6 [**12**].
Hipposideros Gray, 1831
Tanzania: 5, Uganda: 2 [**7**].
Hipposideros abae J.A. Allen, 1917
Ghana: 1, South Sudan: 6 [**7**].
Hipposideros beatus (K. Andersen, 1906)
Ghana: 2, Uganda: 3 [**5**].
Hipposideros caffer (Sundevall, 1846)
Angola: 34, Congo: 2, Congo (Democratic Republic of the): 18, Kenya: 39, Malawi: 2, Mozambique: 17, Namibia: 25, Tanzania: 124, Uganda: 8, Zimbabwe: 2 [**271**].
Hipposideros fuliginosus (Temminck, 1853)
Cameroon: 1, Ghana: 12 [**13**].
Hipposideros jonesi Hayman, 1947
Côte d'Ivoire: 7 [**7**].
Hipposideros megalotis (Heuglin, 1861)
Kenya: 2 [**2**].
Hipposideros ruber (Noack, 1893)
Angola: 22, Burundi: 3, Cameroon: 14, Congo (Democratic Republic of the): 15, Côte d'Ivoire: 3, Ethiopia: 1, Ghana: 3, Kenya: 44, Mozambique: 9, Nigeria: 12, South Sudan: 36, Tanzania: 13, Uganda: 65 [**240**].
Hipposideros tephrus (Cabrera, 1906)
Côte d'Ivoire: 3, Mali: 1, South Sudan: 17, Sudan: 3 [**24**].
Hypsignathus monstrosus H. Allen, 1862
Angola: 4, Congo (Democratic Republic of the): 4, Ghana: 3, Nigeria: 2, South Sudan: 3 [**16**].
Hypsugo ariel (Thomas, 1904)
Kenya: 2 [**2**].
Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015
Madagascar: 3 [**3**].
Hypsugo cf. eisentrauti Hill, 1968
Congo (Democratic Republic of the): 1 [**1**].
Hypsugo crassulus (Thomas, 1904)
Angola: 1, Gabon: 2, Kenya: 1, South Sudan: 1, Uganda: 2 [**7**].
Hypsugo eisentrauti (Hill, 1968)
Uganda: 1 [**1**].
Kerivoula argentata Tomes, 1861
Congo (Democratic Republic of the): 1, South Africa: 1 [**2**].

Kerivoula lanosa (A. Smith, 1847)
Cameroon: 1, Ghana: 1 [**2**].
Laephotis botswanae Setzer, 1971
Angola: 2, Zimbabwe: 1 [**3**].
Laephotis wintoni Thomas, 1901
Tanzania: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Chad: 2, Congo (Democratic Republic of the): 7, Kenya: 6, South Sudan: 48, Sudan: 7, Tanzania: 9, Uganda: 4 [**83**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 126 [**126**].
Macronycteris cryptovalorona (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
Madagascar: 2 [**2**].
Macronycteris gigas (Wagner, 1845)
Congo: 3, Congo (Democratic Republic of the): 2, Ghana: 1, Senegal: 4 [**10**].
Macronycteris vittatus (Peters, 1852)
Congo (Democratic Republic of the): 1, Kenya: 12, Namibia: 3, Tanzania: 24, Zambia: 2 [**42**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Côte d'Ivoire: 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
Angola: 7, Cameroon: 1, Congo: 2, Congo (Democratic Republic of the): 20, Gabon: 3, Uganda: 13 [**46**].
Micropteropus Matschie, 1899
Côte d'Ivoire: 11 [**11**].
Micropteropus pusillus (Peters, 1868)
Angola: 3, Congo: 1, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 65, Guinea: 1, Kenya: 3, Nigeria: 12, Senegal: 44, South Sudan: 42, Uganda: 40 [**212**].
Mimetillus moloneyi (Thomas, 1891)
Kenya: 2, South Sudan: 3, Tanzania: 2 [**7**].
Miniopterus Bonaparte, 1837
Angola: 20, Madagascar: 19, Mozambique: 1, Tanzania: 15 [**55**].
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
Comoros: 4, Madagascar: 93 [**97**].
Miniopterus africanus Sanborn, 1936
Ethiopia: 6, Kenya: 12, Mozambique: 24 [**42**].
Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015
Madagascar: 11 [**11**].
Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Madagascar: 30 [**30**].
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
Madagascar: 11 [**11**].
Miniopterus fraterculus Thomas and Schwann, 1906
Angola: 4, Burundi: 7 [**11**].
Miniopterus gleni Peterson, Eger and Mitchell, 1995
Madagascar: 36 [**36**].
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Madagascar: 9 [**9**].
Miniopterus griveaudi Harrison, 1959
Comoros: 113, Madagascar: 173 [**286**].
Miniopterus inflatus Thomas, 1903
Kenya: 2 [**2**].
Miniopterus inflatus rufus Sanborn, 1936
Congo (Democratic Republic of the): 3, Kenya: 37, Uganda: 1 [**41**].
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009
Madagascar: 110 [**110**].
Miniopterus majori Thomas, 1906
Madagascar: 55 [**55**].
Miniopterus manavi Thomas, 1906
Comoros: 2, Madagascar: 16 [**18**].
Miniopterus minor Peters, 1867
Kenya: 1, Tanzania: 44 [**45**].
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013
Mozambique: 2 [**2**].
Miniopterus natalensis (A. Smith, 1833)
Angola: 1, Cameroon: 9, Ethiopia: 1, Kenya: 56, Malawi: 1, South Africa: 22, South Sudan: 12, Tanzania: 13, Zambia: 4, Zimbabwe: 2 [**121**].
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Madagascar: 5 [**5**].
Miniopterus schreibersii (Kuhl, 1817)
Tunisia: 5 [**5**].
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Madagascar: 36 [**36**].
Mops Lesson, 1842
Tanzania: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
Côte d'Ivoire: 1, Kenya: 22, Madagascar: 1, Mali: 9, Mozambique: 17, South Africa: 1, Tanzania: 26, Uganda: 1, Zambia: 1 [**79**].

Mops (Mops) congicus J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Mops (Mops) demonstrator (Thomas, 1903)
South Sudan: 30, Sudan: 1 [**31**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
Comoros: 36, Madagascar: 14 [**50**].
Mops (Mops) midas (Sundevall, 1843)
Botswana: 2, Kenya: 2, Madagascar: 8, Sudan: 6 [**18**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Zambia: 2 [**2**].
Mops (Xiphonycteris) bakarii Stanley, 2009
Tanzania: 21 [**21**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Congo (Democratic Republic of the): 2 [**2**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Congo (Democratic Republic of the): 1, Kenya: 2 [**3**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Uganda: 3 [**3**].
Mormopterus acetabulosus (Hermann, 1804)
Mauritius: 151 [**151**].
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Réunion: 65 [**65**].
Mormopterus jugularis (Peters, 1865)
Madagascar: 29 [**29**].
Myonycteris angolensis (Bocage, 1898)
Burundi: 53, Congo (Democratic Republic of the): 1, Kenya: 12, Malawi: 2, Mozambique: 8, Tanzania: 68, Uganda: 162 [**306**].
Myonycteris angolensis angolensis (Bocage, 1898)
Cameroon: 4 [**4**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
Burundi: 7, Cameroon: 2, Ethiopia: 3, South Sudan: 28, Sudan: 5 [**45**].
Myonycteris angolensis smithii (Thomas, 1908)
Côte d'Ivoire: 19 [**19**].
Myonycteris leptodon K. Andersen, 1908
Côte d'Ivoire: 7 [**7**].
Myonycteris relicta Bergmans, 1980
Tanzania: 6 [**6**].
Myonycteris torquata (Dobson, 1878)
Congo (Democratic Republic of the): 12, Gabon: 1, Uganda: 9 [**22**].
Myonycteris torquata torquata (Dobson, 1878)
Cameroon: 1 [**1**].
Myotis anjouanensis (Dorst, 1960)
Comoros: 1 [**1**].
Myotis bocagii (Peters, 1870)
Tanzania: 2, Uganda: 1 [**3**].
Myotis bocagii bocagii (Peters, 1870)
Angola: 5, Congo (Democratic Republic of the): 5, Uganda: 15 [**25**].
Myotis bocagii cupreolus Thomas, 1904
Cameroon: 4, Liberia: 2 [**6**].
Myotis capaccinii (Bonaparte, 1837)
Tunisia: 3 [**3**].
Myotis goudoti (A. Smith, 1834)
Madagascar: 199 [**199**].
Myotis punicus Felten, 1977
Tunisia: 13 [**13**].
Myotis tricolor (Temminck, 1832)
Kenya: 62, South Africa: 4 [**66**].
Myotis welwitschii (Gray, 1866)
Malawi: 3, Tanzania: 2, Uganda: 1 [**6**].
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878
Madagascar: 3 [**3**].
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007
Madagascar: 3 [**3**].
Nanonycteris veldkampii (Jentink, 1888)
Côte d'Ivoire: 5 [**5**].
Neoromicia Roberts, 1926
Congo: 1, Gabon: 1, Tanzania: 9 [**11**].
Neoromicia capensis (A. Smith, 1829)
Angola: 3, Botswana: 5, Kenya: 3, Namibia: 15, South Africa: 2, South Sudan: 4, Tanzania: 6, Zambia: 1, Zimbabwe: 12 [**51**].
Neoromicia guineensis (Bocage, 1889)
Senegal: 1, South Sudan: 8, Tanzania: 1 [**10**].
Neoromicia helios (Heller, 1912)
South Sudan: 60 [**60**].
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995)
Madagascar: 4 [**4**].

Neoromicia matroka (Thomas and Schwann, 1905)
Madagascar: 14 [**14**].
Neoromicia nana (Peters, 1852)
Angola: 44, Cameroon: 7, Congo (Democratic Republic of the): 21, Ghana: 4, Liberia: 2, Malawi: 18, Mali: 2, Mozambique: 18, Nigeria: 9, South Sudan: 30, Tanzania: 43, Uganda: 34, Zambia: 3 [**235**].
Neoromicia rendalli (Thomas, 1889)
Congo (Democratic Republic of the): 3, Sudan: 1 [**4**].
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012
Madagascar: 2 [**2**].
Neoromicia somalica (Thomas, 1901)
Angola: 5, Côte d'Ivoire: 1, Kenya: 11, Madagascar: 1, South Sudan: 14, Tanzania: 5, Uganda: 1, Zimbabwe: 1 [**39**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Botswana: 1 [**1**].
Neoromicia tenuipinnis (Peters, 1872)
Angola: 5, Gabon: 4, Ghana: 4, Liberia: 2, Senegal: 2, Tanzania: 2, Uganda: 2 [**21**].
Neoromicia zuluensis (Roberts, 1924)
Botswana: 1, South Africa: 5, South Sudan: 1 [**7**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Angola: 2, Congo: 1, Congo (Democratic Republic of the): 1, Gabon: 1, Kenya: 1, Senegal: 3, Tanzania: 14, Uganda: 2 [**25**].
Nycteris arge Thomas, 1903
Angola: 2, Burundi: 1, Cameroon: 1, Congo (Democratic Republic of the): 3, Côte d'Ivoire: 3, Gabon: 1, Ghana: 2, South Sudan: 1, Uganda: 1 [**15**].
Nycteris aurita (K. Andersen, 1912)
Kenya: 1 [**1**].
Nycteris gambiensis (K. Andersen, 1912)
Senegal: 38 [**38**].
Nycteris grandis Peters, 1865
Congo (Democratic Republic of the): 3, Ghana: 6, Tanzania: 22 [**31**].
Nycteris hispida (Schreber, 1774)
Angola: 6, Cameroon: 2, Congo (Democratic Republic of the): 8, Kenya: 11, Malawi: 1, Senegal: 2, South Sudan: 40, Tanzania: 5, Uganda: 16 [**91**].
Nycteris macrotis Dobson, 1876
Angola: 7, Ghana: 2, Kenya: 14, Malawi: 1, South Sudan: 9, Sudan: 1, Tanzania: 3 [**37**].
Nycteris nana (K. Andersen, 1912)
Angola: 3, Burundi: 1, Cameroon: 1, Congo (Democratic Republic of the): 2, Gabon: 1, South Sudan: 1 [**9**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Botswana: 6, Egypt: 243, Eritrea: 8, Ethiopia: 2, Kenya: 58, Malawi: 3, Mozambique: 7, Namibia: 33, South Africa: 5, South Sudan: 44, Tanzania: 26, Zimbabwe: 24 [**459**].
Nycteris woodi K. Andersen, 1914
Zambia: 1 [**1**].
Nycticeinops schlieffenii (Peters, 1859)
Botswana: 7, Côte d'Ivoire: 1, Kenya: 5, Namibia: 7, South Africa: 7, Sudan: 1 [**28**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 10 [**10**].
Otomops madagascariensis Dorst, 1953
Madagascar: 54 [**54**].
Otomops martiensseni (Matschie, 1897)
Burundi: 1, Tanzania: 2 [**3**].
Otonycteris hemprichii Peters, 1859
Egypt: 100 [**100**].
Paratriaenops furculus (Trouessart, 1907)
Madagascar: 5 [**5**].
Paratriaenops pauliani (Goodman and Ranivo, 2008)
Seychelles: 1 [**1**].
Paremballonura atrata (Peters, 1874)
Madagascar: 13 [**13**].
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Madagascar: 39 [**39**].
Pipistrellus Kaup, 1829
Congo (Democratic Republic of the): 50, Egypt: 3, Gabon: 2, Malawi: 1, Namibia: 2, Tanzania: 9 [**67**].
Pipistrellus hesperidus (Temminck, 1840)
Djibouti: 1, Madagascar: 5, Uganda: 1 [**7**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
Burundi: 1, Ethiopia: 2, Kenya: 22, Malawi: 2, South Sudan: 9, Tanzania: 35, Uganda: 6 [**77**].
Pipistrellus kuhlii (Kuhl, 1817)
Algeria: 2, Egypt: 407, Tunisia: 3 [**412**].
Pipistrellus nanulus Thomas, 1904
Uganda: 1 [**1**].
Pipistrellus raceyi Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Madagascar: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
Botswana: 7 [**7**].
Pipistrellus rueppellii fuscipes Thomas, 1913
South Sudan: 6, Uganda: 3 [**9**].

Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)
Egypt: 21, South Sudan: 1, Sudan: 6 [**28**].
Pipistrellus rusticus (Tomes, 1861)
Ethiopia: 1, South Sudan: 6 [**7**].
Platymops setiger setiger (Peters, 1878)
Kenya: 8, South Sudan: 6 [**14**].
Plecotus christii Gray, 1838
Egypt: 8, Tunisia: 2 [**10**].
Pteropus niger (Kerr, 1792)
Mauritius: 47 [**47**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 18 [**18**].
Pteropus seychellensis A. Milne-Edwards, 1877
Tanzania: 3 [**3**].
Pteropus subniger (Kerr, 1792)
Mauritius: 1 [**1**].
Pteropus voeltzkowi Matschie, 1909
Tanzania: 3 [**3**].
Rhinolophus Lacépède, 1799
Mozambique: 3, Tanzania: 37, Uganda: 7 [**47**].
Rhinolophus alcyone Temminck, 1853
Gabon: 2, Uganda: 24 [**26**].
Rhinolophus blasii Peters, 1867
Malawi: 24, South Africa: 1, Tanzania: 1 [**26**].
Rhinolophus clivosus Cretzschmar, 1828
Burundi: 2, Egypt: 257, Eritrea: 1, Ethiopia: 11, Kenya: 28, Malawi: 6, Mozambique: 4, Namibia: 1, South Africa: 21, South Sudan: 17, Tanzania: 36, Uganda: 42 [**426**].
Rhinolophus damarensis Roberts, 1946
Angola: 1 [**1**].
Rhinolophus deckenii Peters, 1868
Kenya: 2, Tanzania: 45 [**47**].
Rhinolophus denti Thomas, 1904
Côte d'Ivoire: 1 [**1**].
Rhinolophus eloquens K. Andersen, 1905
Congo (Democratic Republic of the): 2, Kenya: 22, South Sudan: 39 [**63**].
Rhinolophus ferrumequinum (Schreber, 1774)
Algeria: 2 [**2**].
Rhinolophus fumigatus Rüppell, 1842
Angola: 29, Côte d'Ivoire: 7, Guinea: 1, Kenya: 8, Malawi: 18, Namibia: 5, South Sudan: 7, Tanzania: 7, Zimbabwe: 2 [**84**].
Rhinolophus hildebrandtii Peters, 1878
Kenya: 1, South Sudan: 7, Tanzania: 19 [**27**].
Rhinolophus hipposideros (Bechstein, 1800)
Egypt: 1 [**1**].
Rhinolophus kahuzi Fahr and Kerbis Peterhans, 2013
Congo (Democratic Republic of the): 1 [**1**].
Rhinolophus landeri Martin, 1838
Côte d'Ivoire: 2, Ethiopia: 24, Gabon: 6, South Sudan: 33, Sudan: 3 [**68**].
Rhinolophus lobatus Peters, 1852
Angola: 15, Kenya: 17, Mozambique: 9, South Africa: 1, Tanzania: 1, Zambia: 1, Zimbabwe: 8 [**52**].
Rhinolophus maendeleo Kock, Csorba and Howell, 2000
Tanzania: 4 [**4**].
Rhinolophus mehelyi Matschie, 1901
Egypt: 234, Morocco: 2, Tunisia: 6 [**242**].
Rhinolophus rhodesiae Roberts, 1946
Malawi: 14, Mozambique: 20, Tanzania: 8, Zimbabwe: 2 [**44**].
Rhinolophus ruwenzorii J. Eric Hill, 1942
Uganda: 4 [**4**].
Rhinolophus silvestris Aellen, 1959
Congo: 1 [**1**].
Rhinolophus simulator K. Andersen, 1904
Cameroon: 4, Kenya: 12, Malawi: 3, South Africa: 3, South Sudan: 1, Tanzania: 6 [**29**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Malawi: 7, Mozambique: 19, Zimbabwe: 6 [**32**].
Rhinolophus willardi Kerbis Peterhans and Fahr, 2013
Congo (Democratic Republic of the): 4 [**4**].
Rhinopoma cystops Thomas, 1903
Djibouti: 6, Egypt: 211, Niger: 3, Sudan: 6 [**226**].
Rhinopoma macinnesi Hayman, 1937
Kenya: 11 [**11**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 20 [**20**].
Rousettus Gray, 1821
Tanzania: 16 [**16**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)

"Africa": 1, Angola: 4, Burundi: 3, Cameroon: 4, Congo (Democratic Republic of the): 2, Côte d'Ivoire: 16, Egypt: 87, Kenya: 22, Malawi: 1, Mozambique: 10, Senegal: 3, South Sudan: 28, Tanzania: 38, Uganda: 13, Zimbabwe: 11 [**243**].

Rousettus madagascariensis G. Grandidier, 1929
Madagascar: 143 [**143**].

Rousettus obliviosus Kock, 1978
Comoros: 71 [**71**].

Saccolaimus peli (Temminck, 1853)
Congo (Democratic Republic of the): 4 [**4**].

Sauromys petrophilus erongensis (Roberts, 1946)
Namibia: 1 [**1**].

Scotoecus Thomas, 1901
Tanzania: 1 [**1**].

Scotoecus albigula Thomas, 1909
Kenya: 4 [**4**].

Scotoecus albofuscus (Thomas, 1890)
Uganda: 1 [**1**].

Scotoecus hindei Thomas, 1901
South Sudan: 2, Tanzania: 16 [**18**].

Scotoecus hirundo (de Winton, 1899)
Kenya: 17, Senegal: 1, Tanzania: 1, Uganda: 1 [**20**].

Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Gabon: 6 [**6**].

Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Congo (Democratic Republic of the): 8 [**8**].

Scotophilus Leach, 1821
Tanzania: 11 [**11**].

Scotophilus dinganii (A. Smith, 1833)
Angola: 5, Congo (Democratic Republic of the): 2, Côte d'Ivoire: 1, Kenya: 21, Namibia: 6, Senegal: 1, South Africa: 7, Tanzania: 11, Uganda: 6, Zimbabwe: 11 [**71**].

Scotophilus leucogaster (Cretzschmar, 1826)
Angola: 1, Botswana: 1, Ethiopia: 3, Namibia: 5, South Sudan: 11, Sudan: 5, Zambia: 1 [**27**].

Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006
Madagascar: 8 [**8**].

Scotophilus nigrita (Schreber, 1774)
Ghana: 2, Kenya: 1, Senegal: 8 [**11**].

Scotophilus nux Thomas, 1904
Kenya: 1, Uganda: 7 [**8**].

Scotophilus robustus A. Milne-Edwards, 1881
"Africa": 1, Madagascar: 3 [**4**].

Scotophilus viridis (Peters, 1852)
Côte d'Ivoire: 6, Mali: 3, Senegal: 1, South Africa: 2, Sudan: 1, Tanzania: 5 [**18**].

Stenonycteris lanosus (Thomas, 1906)
Burundi: 7, Congo (Democratic Republic of the): 12, Ethiopia: 1, Kenya: 10, Tanzania: 18, Uganda: 67 [**115**].

Tadarida Rafinesque, 1814
Angola: 2, Egypt: 1, Tanzania: 7, Uganda: 1 [**11**].

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Kenya: 1 [**1**].

Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Egypt: 23, Kenya: 15, South Sudan: 18 [**56**].

Tadarida aegyptiaca bocagei (Seabra, 1900)
Angola: 1, Namibia: 1 [**2**].

Tadarida fulminans (Thomas, 1903)
Madagascar: 1 [**1**].

Tadarida teniotis (Rafinesque, 1814)
Egypt: 56 [**56**].

Tadarida ventralis (Heuglin, 1861)
"Africa": 1, Kenya: 4, South Sudan: 5, Tanzania: 1 [**11**].

Taphozous hamiltoni Thomas, 1920
Kenya: 6, South Sudan: 24 [**30**].

Taphozous hildegardeae Thomas, 1909
Kenya: 30 [**30**].

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Angola: 14, Congo (Democratic Republic of the): 10, Gabon: 3, Kenya: 10, Madagascar: 2, Senegal: 1, South Africa: 4, South Sudan: 11, Tanzania: 7, Zambia: 4 [**66**].

Taphozous nudiventris Cretzschmar, 1830
Egypt: 63, South Sudan: 5, Sudan: 3 [**71**].

Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
South Sudan: 77, Sudan: 1 [**78**].

Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Egypt: 148, Kenya: 8, Tanzania: 11 [**167**].

Taphozous perforatus sudani Thomas, 1915
Congo (Democratic Republic of the): 2 [**2**].

Triaenops afer Peters, 1877
Ethiopia: 7, Kenya: 21, Tanzania: 210 [**238**].

Triaenops menamena Goodman and Ranivo, 2009
Madagascar: 23 [**23**].

Total Specimens for FMNH: 11176

GV: Global Viral Cameroon

Coleura afra (Peters, 1852)
Cameroon: 2 [**2**].

Total Specimens for GV: 2

HNHM: Hungarian Natural History Museum

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Algeria: 1, Tunisia: 12 [**13**].
Cardioderma cor (Peters, 1872)
Ethiopia: 6 [**6**].
Chaerephon pumilus (Cretzschmar, 1826)
Ethiopia: 19, South Africa: 9, Tanzania: 19, Zambia: 2 [**49**].
Eidolon dupreanum (Schegel, 1867)
Madagascar: 1 [**1**].
Eidolon helvum (Kerr, 1792)
Guinea: 3, Nigeria: 2 [**5**].
Epomophorus Bennett, 1836
Nigeria: 1 [**1**].
Epomophorus crypturus Peters, 1852
Zambia: 1 [**1**].
Epomophorus dobsonii Bocage, 1889
Zambia: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
Nigeria: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Tanzania: 7 [**7**].
Epomophorus wahlbergi (Sundevall, 1846)
South Africa: 2, Tanzania: 4, Zambia: 1 [**7**].
Glauconycteris beatrix Thomas, 1901
Cameroon: 1 [**1**].
Hipposideros abae J.A. Allen, 1917
Ghana: 5 [**5**].
Hipposideros beatus (K. Andersen, 1906)
Ghana: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
Ghana: 19, Guinea: 7, Zambia: 2 [**28**].
Hipposideros jonesi Hayman, 1947
Guinea: 1 [**1**].
Hipposideros ruber (Noack, 1893)
Ghana: 14, Guinea: 1 [**15**].
Hypsignathus monstrosus H. Allen, 1862
Ghana: 1 [**1**].
Hypsugo savii (Bonaparte, 1837)
Algeria: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
Côte d'Ivoire: 1 [**1**].
Kerivoula smithii Thomas, 1880
Central African Republic: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Tanzania: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
Zambia: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Nigeria: 9 [**9**].
Mimetillus moloneyi (Thomas, 1891)
"Africa": 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
Kenya: 3, Tanzania: 1, Zambia: 1 [**5**].
Mops (Mops) condylurus (A. Smith, 1833)
Nigeria: 46, South Africa: 1, Zambia: 1 [**48**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Zambia: 1 [**1**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Guinea: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
Guinea: 2 [**2**].
Myotis Kaup, 1829
Egypt: 1 [**1**].
Myotis bocagii (Peters, 1870)

Ethiopia: 2 [**2**].
Myotis punicus Felten, 1977
Algeria: 9 [**9**].
Neoromicia capensis (A. Smith, 1829)
Zambia: 2 [**2**].
Neoromicia guineensis (Bocage, 1889)
Guinea: 1 [**1**].
Neoromicia nana (Peters, 1852)
Congo: 2, Ethiopia: 2, Guinea: 2, Malawi: 1, Tanzania: 14, Zambia: 1 [**22**].
Nycteris hispida (Schreber, 1774)
Ghana: 1, Tanzania: 1, Zambia: 1 [**3**].
Nycteris macrotis Dobson, 1876
Ghana: 1, Guinea: 2 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Kenya: 1, Tanzania: 1, Zambia: 2 [**4**].
Pipistrellus kuhlii (Kuhl, 1817)
Egypt: 1, Tunisia: 1 [**2**].
Pipistrellus nanulus Thomas, 1904
Guinea: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
Tanzania: 1 [**1**].
Rhinolophus adami Aellen and Brosset, 1968
Congo: 1 [**1**].
Rhinolophus alcyone Temminck, 1853
Cameroon: 2 [**2**].
Rhinolophus blasii Peters, 1867
Zambia: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
Kenya: 2, Tanzania: 1 [**3**].
Rhinolophus darlingi K. Andersen, 1905
Zimbabwe: 1 [**1**].
Rhinolophus eloquens K. Andersen, 1905
Kenya: 1 [**1**].
Rhinolophus ferrumequinum (Schreber, 1774)
Algeria: 2 [**2**].
Rhinolophus fumigatus Rüppell, 1842
Ethiopia: 5 [**5**].
Rhinolophus hildebrandtii Peters, 1878
Congo (Democratic Republic of the): 2 [**2**].
Rhinolophus hipposideros (Bechstein, 1800)
Algeria: 4 [**4**].
Rhinolophus mehelyi Matschie, 1901
Algeria: 5 [**5**].
Rhinolophus rhodesiae Roberts, 1946
Congo (Democratic Republic of the): 2 [**2**].
Rhinolophus silvestris Aellen, 1959
Congo: 1 [**1**].
Rhinolophus simulator K. Andersen, 1904
Botswana: 1, Zambia: 2 [**3**].
Rhinopoma cystops Thomas, 1903
Ethiopia: 1 [**1**].
Rhinopoma macinnesi Hayman, 1937
Eritrea: 5 [**5**].
Scotophilus nigrita (Schreber, 1774)
Congo: 1, Guinea: 4, Kenya: 1, Tanzania: 2, Zambia: 1 [**9**].
Stenonycteris lanosus (Thomas, 1906)
Tanzania: 13 [**13**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Zambia: 1 [**1**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Ethiopia: 17, Zambia: 1 [**18**].

Total Specimens for HNHM: 348

HZM: Harrison Institute

Cardioderma cor (Peters, 1872)
Ethiopia: 1 [**1**].
Chaerephon bemmeleni (Jentink, 1879)
Kenya: 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
Zimbabwe: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Congo (Democratic Republic of the): 17 [**17**].
CHIROPTERA Blumenbach, 1779

"Africa": 25 [**25**].
Cloeotis percivali Thomas, 1901
Zambia: 25, Zimbabwe: 2 [**27**].
Epomophorus crypturus Peters, 1852
Botswana: 1, Malawi: 1, Tanzania: 15, Zambia: 24, Zimbabwe: 14 [**55**].
Epomophorus dobsonii Bocage, 1889
Zambia: 9 [**9**].
Epomophorus gambianus (Ogilby, 1835)
Côte d'Ivoire: 2, Nigeria: 12, The Gambia: 20 [**34**].
Epomophorus labiatus (Temminck, 1837)
Congo (Democratic Republic of the): 1, Malawi: 9, Tanzania: 20, Zambia: 4 [**34**].
Epomophorus minor Dobson, 1880
Tanzania: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
Angola: 1, Kenya: 8, Malawi: 1, Mozambique: 2, South Africa: 8, Tanzania: 6, Zambia: 3, Zimbabwe: 3 [**32**].
Epomops buettikoferi (Matschie, 1899)
Nigeria: 1, Sierra Leone: 1 [**2**].
Epomops franqueti (Tomes, 1860)
Congo (Democratic Republic of the): 32 [**32**].
Eptesicus Rafinesque, 1820
Tanzania: 3, The Gambia: 2 [**5**].
Eptesicus hottentotus (A. Smith, 1833)
Zimbabwe: 1 [**1**].
Eptesicus isabellinus (Temminck, 1840)
Algeria: 1 [**1**].
Glauconycteris alboguttata J.A. Allen, 1917
Congo: 1 [**1**].
Glauconycteris beatrix Thomas, 1901
Congo: 1 [**1**].
Glauconycteris humeralis J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
Congo: 1, Zambia: 1 [**2**].
Hipposideros ruber (Noack, 1893)
Congo: 4, Congo (Democratic Republic of the): 3 [**7**].
Hypsignathus monstrosus H. Allen, 1862
Uganda: 1 [**1**].
Hypsugo anchietae (Seabra, 1900)
Zambia: 4 [**4**].
Hypsugo crassulus (Thomas, 1904)
Congo: 1 [**1**].
Hypsugo savii (Bonaparte, 1837)
Algeria: 1 [**1**].
Kerivoula argentata Tomes, 1861
Zambia: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
South Africa: 1 [**1**].
Laephotis botswanae Setzer, 1971
Zambia: 1 [**1**].
Laephotis wintoni Thomas, 1901
Kenya: 2 [**2**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
"Africa": 1, Congo (Democratic Republic of the): 1, Malawi: 1, Nigeria: 1, Zambia: 1 [**5**].
Macronycteris gigas (Wagner, 1845)
Côte d'Ivoire: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Congo (Democratic Republic of the): 31 [**31**].
Mimetillus moloneyi (Thomas, 1891)
Congo: 1, Congo (Democratic Republic of the): 3, Kenya: 2, Sierra Leone: 1 [**7**].
Miniopterus fraterculus Thomas and Schwann, 1906
South Africa: 1 [**1**].
Miniopterus griveaudi Harrison, 1959
Comoros: 2 [**2**].
Miniopterus inflatus inflatus Thomas, 1903
Congo: 4 [**4**].
Miniopterus natalensis (A. Smith, 1833)
Congo (Democratic Republic of the): 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
Congo (Democratic Republic of the): 54 [**54**].
Mops (Mops) midas (Sundevall, 1843)
Zimbabwe: 1 [**1**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Zambia: 8 [**8**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Congo (Democratic Republic of the): 2 [**2**].
Mops (Xiphonycteris) thersites (Thomas, 1903)

Congo (Democratic Republic of the): 1 [**1**].
Myonycteris angolensis goliath (Bergmans, 1997)
Zimbabwe: 2 [**2**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
Kenya: 14 [**14**].
Myonycteris angolensis smithii (Thomas, 1908)
Nigeria: 3 [**3**].
Myonycteris torquata (Dobson, 1878)
Congo (Democratic Republic of the): 5 [**5**].
Myotis bocagii (Peters, 1870)
Congo (Democratic Republic of the): 1, Zambia: 1, Zimbabwe: 1 [**3**].
Myotis welwitschii (Gray, 1866)
Kenya: 1, Tanzania: 1, Zimbabwe: 3 [**5**].
Neoromicia brunnea (Thomas, 1880)
Congo: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
"Africa": 1, Botswana: 10, Malawi: 1, South Africa: 5, Zambia: 3, Zimbabwe: 4 [**24**].
Neoromicia helios (Heller, 1912)
Kenya: 4 [**4**].
Neoromicia nana (Peters, 1852)
Congo: 4, Congo (Democratic Republic of the): 49, Côte d'Ivoire: 2, Ethiopia: 2, Kenya: 8, Liberia: 4, Malawi: 1, Nigeria: 4, South Africa: 1, Tanzania: 5, The Gambia: 1, Zambia: 5, Zimbabwe: 1 [**87**].
Neoromicia rendalli (Thomas, 1889)
Congo (Democratic Republic of the): 1, Nigeria: 3, Zambia: 1 [**5**].
Neoromicia somalica (Thomas, 1901)
"Africa": 1, Kenya: 1, Uganda: 2 [**4**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Tanzania: 2 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
Congo: 2, Ethiopia: 1 [**3**].
Neoromicia zuluensis (Roberts, 1924)
Malawi: 2, Zambia: 4 [**6**].
Nycteris arge Thomas, 1903
Congo (Democratic Republic of the): 1 [**1**].
Nycteris grandis Peters, 1865
Zambia: 2 [**2**].
Nycteris hispida (Schreber, 1774)
Congo: 1, Congo (Democratic Republic of the): 3, Zimbabwe: 2 [**6**].
Nycteris macrotis Dobson, 1876
Congo (Democratic Republic of the): 4 [**4**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Zambia: 1 [**1**].
Nycteris woodi K. Andersen, 1914
Zambia: 1, Zimbabwe: 2 [**3**].
Nycticeinops schlieffenii (Peters, 1859)
Tanzania: 1, Zambia: 1 [**2**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Ethiopia: 20, Kenya: 1 [**21**].
Otomops martiensseni (Matschie, 1897)
South Africa: 3 [**3**].
Pipistrellus hesperidus (Temminck, 1840)
Kenya: 2 [**2**].
Pipistrellus kuhlii (Kuhl, 1817)
Algeria: 9, Libya: 1, Tunisia: 2 [**12**].
Pipistrellus nanulus Thomas, 1904
Congo: 1 [**1**].
Pipistrellus pipistrellus (Schreber, 1774)
Algeria: 2 [**2**].
Pipistrellus rueppellii (Fischer, 1829)
Egypt: 2, South Sudan: 1, Uganda: 2, Zambia: 1, Zimbabwe: 1 [**7**].
Pipistrellus rusticus (Tomes, 1861)
Botswana: 2, Zambia: 3, Zimbabwe: 3 [**8**].
Plerotes anchietae (Seabra, 1900)
Zambia: 1 [**1**].
Rhinolophus alcyone Temminck, 1853
Congo: 2, Congo (Democratic Republic of the): 1 [**3**].
Rhinolophus blasii Peters, 1867
Zimbabwe: 2 [**2**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 1 [**1**].
Rhinolophus darlingi K. Andersen, 1905
Nigeria: 1 [**1**].
Rhinolophus rhodesiae Roberts, 1946
Zimbabwe: 7 [**7**].
Rhinolophus sakejiensis Cotterill, 2002
Zambia: 1 [**1**].

Rhinolophus simulator K. Andersen, 1904
Botswana: 1, Zambia: 2 [**3**].
Rhinopoma cystops Thomas, 1903
Egypt: 1, South Sudan: 1, Sudan: 7 [**9**].
Rhinopoma macinnesi Hayman, 1937
Kenya: 2 [**2**].
Rhinopoma microphyllum (Brünnich, 1782)
Sudan: 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
"Africa": 1 [**1**].
Scotoecus albofuscus (Thomas, 1890)
Tanzania: 2 [**2**].
Scotoecus hindei Thomas, 1901
Ethiopia: 2 [**2**].
Scotophilus nigrita (Schreber, 1774)
Nigeria: 1 [**1**].
Scotophilus nux Thomas, 1904
Congo (Democratic Republic of the): 1 [**1**].
Stenonycteris lanosus (Thomas, 1906)
Kenya: 1, Tanzania: 3, Uganda: 1 [**5**].
Tadarida fulminans (Thomas, 1903)
Malawi: 1, Zimbabwe: 2 [**3**].
Tadarida lobata (Thomas, 1891)
Zimbabwe: 1 [**1**].
Tadarida ventralis (Heuglin, 1861)
Tanzania: 3 [**3**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Zambia: 1 [**1**].
Triaenops afer Peters, 1877
Congo: 3, Ethiopia: 1 [**4**].

Total Specimens for HZM: 719

IFAN: Institut Fondamental d'Afrique Noire

Rhinolophus maclaudi Pousargues, 1898
Guinea: 1 [**1**].

Total Specimens for IFAN: 1

IICA: Instituto de Investigaçao Cientifica de Angola

Chaerephon chapini J.A. Allen, 1917
Angola: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
Angola: 2 [**2**].
Coleura afra (Peters, 1852)
Angola: 1 [**1**].
Epomophorus angolensis Gray, 1870
Angola: 6 [**6**].
Epomophorus wahlbergi (Sundevall, 1846)
Angola: 10 [**10**].
Epomops franqueti (Tomes, 1860)
Angola: 1 [**1**].
Eptesicus hottentotus (A. Smith, 1833)
Angola: 3 [**3**].
Hipposideros caffer (Sundevall, 1846)
Angola: 2 [**2**].
Hipposideros ruber (Noack, 1893)
Angola: 4 [**4**].
Hypsignathus monstrosus H. Allen, 1862
Angola: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
Angola: 2 [**2**].
Miniopterus natalensis (A. Smith, 1833)
Angola: 1 [**1**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Angola: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
Angola: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Angola: 3 [**3**].
Neoromicia nana (Peters, 1852)
Angola: 3 [**3**].

Nycteris macrotis Dobson, 1876
Angola: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Angola: 6 [**6**].
Otomops martiensseni (Matschie, 1897)
Angola: 1 [**1**].
Plerotes anchietae (Seabra, 1900)
Angola: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
Angola: 5 [**5**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Angola: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Angola: 2 [**2**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Angola: 1 [**1**].

Total Specimens for IICA: 61

INPBC: The Institute of the National Parks of Belgian Congo

Chaerephon bemmeleni (Jentink, 1879)
Congo (Democratic Republic of the): 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Congo (Democratic Republic of the): 111, Rwanda: 6 [**117**].
Doryrhina cyclops (Temminck, 1853)
Congo (Democratic Republic of the): 25 [**25**].
Epomophorus Bennett, 1836
Congo (Democratic Republic of the): 3 [**3**].
Epomophorus labiatus (Temminck, 1837)
Congo (Democratic Republic of the): 25 [**25**].
Epomophorus minor Dobson, 1880
Congo (Democratic Republic of the): 2 [**2**].
Epomophorus wahlbergi (Sundevall, 1846)
Congo (Democratic Republic of the): 2 [**2**].
Epomops franqueti (Tomes, 1860)
Congo (Democratic Republic of the): 3 [**3**].
Glauconycteris argentata (Dobson, 1875)
Congo (Democratic Republic of the): 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
Congo (Democratic Republic of the): 5 [**5**].
Hipposideros Gray, 1831
Congo (Democratic Republic of the): 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
Congo (Democratic Republic of the): 110 [**110**].
Hipposideros ruber (Noack, 1893)
Rwanda: 3 [**3**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Congo (Democratic Republic of the): 15 [**15**].
Miniopterus fraterculus Thomas and Schwann, 1906
Congo (Democratic Republic of the): 7 [**7**].
Miniopterus inflatus Thomas, 1903
Congo (Democratic Republic of the): 3 [**3**].
Miniopterus minor Peters, 1867
Congo (Democratic Republic of the): 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
Congo (Democratic Republic of the): 111, Rwanda: 60 [**171**].
Mops (Mops) demonstrator (Thomas, 1903)
Congo (Democratic Republic of the): 2 [**2**].
Mops (Mops) midas (Sundevall, 1843)
Congo (Democratic Republic of the): 9 [**9**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Congo (Democratic Republic of the): 2 [**2**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Congo (Democratic Republic of the): 3 [**3**].
Myonycteris angolensis (Bocage, 1898)
Congo (Democratic Republic of the): 4 [**4**].
Myonycteris torquata (Dobson, 1878)
Congo (Democratic Republic of the): 1 [**1**].
Myotis bocagii (Peters, 1870)
Congo (Democratic Republic of the): 1, Rwanda: 15 [**16**].
Myotis tricolor (Temminck, 1832)
Congo (Democratic Republic of the): 2 [**2**].
Myotis welwitschii (Gray, 1866)
Congo (Democratic Republic of the): 4 [**4**].

Neoromicia Roberts, 1926
Congo (Democratic Republic of the): 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Congo (Democratic Republic of the): 2 [**2**].
Neoromicia nana (Peters, 1852)
Congo (Democratic Republic of the): 692, Rwanda: 143 [**835**].
Neoromicia rendalli (Thomas, 1889)
Congo (Democratic Republic of the): 3 [**3**].
Neoromicia tenuipinnis (Peters, 1872)
Congo (Democratic Republic of the): 4 [**4**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Congo (Democratic Republic of the): 1 [**1**].
Nycteris arge Thomas, 1903
Congo (Democratic Republic of the): 22 [**22**].
Nycteris grandis Peters, 1865
Congo (Democratic Republic of the): 4 [**4**].
Nycteris hispida (Schreber, 1774)
Congo (Democratic Republic of the): 21 [**21**].
Nycteris intermedia Aellen, 1959
Congo (Democratic Republic of the): 6 [**6**].
Nycteris macrotis Dobson, 1876
Congo (Democratic Republic of the): 1 [**1**].
Nycteris nana (K. Andersen, 1912)
Congo (Democratic Republic of the): 2 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Congo (Democratic Republic of the): 7, Rwanda: 12 [**19**].
Nycticeinops schlieffenii (Peters, 1859)
Congo (Democratic Republic of the): 1 [**1**].
Pipistrellus Kaup, 1829
Congo (Democratic Republic of the): 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
Congo (Democratic Republic of the): 1 [**1**].
Rhinolophus Lacépède, 1799
Congo (Democratic Republic of the): 2 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
Congo (Democratic Republic of the): 18 [**18**].
Rhinolophus fumigatus Rüppell, 1842
Congo (Democratic Republic of the): 1, Rwanda: 32 [**33**].
Rhinolophus lobatus Peters, 1852
Rwanda: 1 [**1**].
Rousettus Gray, 1821
Congo (Democratic Republic of the): 3 [**3**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Congo (Democratic Republic of the): 27 [**27**].
Scotophilus dinganii (A. Smith, 1833)
Congo (Democratic Republic of the): 11 [**11**].
Stenonycteris lanosus (Thomas, 1906)
Congo (Democratic Republic of the): 2 [**2**].
Tadarida fulminans (Thomas, 1903)
Congo (Democratic Republic of the): 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Congo (Democratic Republic of the): 2 [**2**].
VESPERTILIONIDAE Gray, 1821
Congo (Democratic Republic of the): 2 [**2**].

Total Specimens for INPBC: 1564

ISEA: Institute of Systematics and Evolution of Animals

Otonycteris hemprichii Peters, 1859
Algeria: 5 [**5**].
Rhinolophus blasii Peters, 1867
Algeria: 1 [**1**].
Rhinolophus hipposideros (Bechstein, 1800)
Algeria: 6 [**6**].

Total Specimens for ISEA: 12

ISU: Illinois State University (School. of Biological Sciences)

Epomophorus crypturus Peters, 1852
Botswana: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Botswana: 1 [**1**].

Total Specimens for ISU: 2

IVB: Institute of Vertebrate Biology, Academy of Sciences of Czech Republic

Doryrhina cyclops (Temminck, 1853)
Senegal: 3 [**3**].
Glauconycteris variegata (Tomes, 1861)
Senegal: 1 [**1**].
Hipposideros abae J.A. Allen, 1917
Senegal: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
Senegal: 3 [**3**].
Hipposideros jonesi Hayman, 1947
Senegal: 3 [**3**].
Hipposideros ruber (Noack, 1893)
Senegal: 14 [**14**].
Hipposideros tephrus (Cabrera, 1906)
Senegal: 5 [**5**].
Macronycteris vittatus (Peters, 1852)
Senegal: 3 [**3**].
Myotis bocagii (Peters, 1870)
Senegal: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Senegal: 1 [**1**].
Neoromicia nana (Peters, 1852)
Senegal: 98 [**98**].
Neoromicia rendalli (Thomas, 1889)
Senegal: 2 [**2**].
Neoromicia somalica (Thomas, 1901)
Senegal: 93 [**93**].
Nycticeinops schlieffenii (Peters, 1859)
Senegal: 8 [**8**].
Otonycteris hemprichii Peters, 1859
Egypt: 2 [**2**].
Pipistrellus hesperidus (Temminck, 1840)
Senegal: 6 [**6**].
Pipistrellus rueppellii (Fischer, 1829)
Senegal: 2 [**2**].
Rhinolophus alcyone Temminck, 1853
Senegal: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
Senegal: 2 [**2**].
Rhinolophus hipposideros (Bechstein, 1800)
Algeria: 2 [**2**].
Rhinolophus landeri Martin, 1838
Senegal: 2 [**2**].
Scotoecus hirundo (de Winton, 1899)
Senegal: 1 [**1**].
Scotophilus nigrita (Schreber, 1774)
Senegal: 2 [**2**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 30, Sudan: 1 [**31**].

Total Specimens for IVB: 288

KM: Amathole Museum, King William's Town

Chaerephon chapini J.A. Allen, 1917
Zambia: 1 [**1**].
Chaerephon nigeriae Thomas, 1913
Zambia: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
South Africa: 2, Zambia: 1 [**3**].
CHIROPTERA Blumenbach, 1779
"Africa": 6 [**6**].
Cistugo lesueuri Roberts, 1919
Lesotho: 1, South Africa: 14 [**15**].
Cistugo seabrae Thomas, 1912
South Africa: 13 [**13**].
Eidolon helvum (Kerr, 1792)
Zambia: 4 [**4**].
Epomophorus angolensis Gray, 1870
Namibia: 5 [**5**].
Epomophorus crypturus Peters, 1852
Namibia: 1, Zambia: 6, Zimbabwe: 1 [**8**].

Epomophorus dobsonii Bocage, 1889
Zambia: 3 [**3**].
Epomophorus labiatus (Temminck, 1837)
Malawi: 6, Zambia: 9 [**15**].
Epomophorus wahlbergi (Sundevall, 1846)
Malawi: 1, South Africa: 29 [**30**].
Eptesicus hottentotus (A. Smith, 1833)
South Africa: 12, Zambia: 1 [**13**].
Glauconycteris variegata (Tomes, 1861)
Namibia: 1, South Africa: 1 [**2**].
Hipposideros caffer (Sundevall, 1846)
Malawi: 1, Namibia: 3, South Africa: 5, Zambia: 3 [**12**].
Hipposideros ruber (Noack, 1893)
Malawi: 1 [**1**].
Kerivoula argentata Tomes, 1861
South Africa: 1, Zambia: 2 [**3**].
Kerivoula lanosa (A. Smith, 1847)
South Africa: 4, Zambia: 1 [**5**].
Macronycteris vittatus (Peters, 1852)
Namibia: 2 [**2**].
Mimetillus thomasi Hinton, 1920
Zambia: 1 [**1**].
Miniopterus fraterculus Thomas and Schwann, 1906
Malawi: 1, South Africa: 4 [**5**].
Miniopterus natalensis (A. Smith, 1833)
Malawi: 1, Namibia: 4, South Africa: 12 [**17**].
Mops (Mops) condylurus (A. Smith, 1833)
Malawi: 1, South Africa: 2, Zambia: 1 [**4**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Zambia: 2 [**2**].
Myotis bocagii (Peters, 1870)
Malawi: 1 [**1**].
Myotis tricolor (Temminck, 1832)
South Africa: 5 [**5**].
Neoromicia capensis (A. Smith, 1829)
Namibia: 25, South Africa: 87, Zambia: 18 [**130**].
Neoromicia nana (Peters, 1852)
Malawi: 20, Mozambique: 1, Namibia: 1, South Africa: 3 [**25**].
Neoromicia zuluensis (Roberts, 1924)
Namibia: 8 [**8**].
Nycteris hispida (Schreber, 1774)
Namibia: 1, South Africa: 2, South Sudan: 2, Zambia: 3 [**8**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Malawi: 3, Namibia: 41, South Africa: 21, Tanzania: 2, Zambia: 14 [**81**].
Nycteris woodi K. Andersen, 1914
Malawi: 1, Zambia: 2 [**3**].
Nycticeinops schlieffenii (Peters, 1859)
Namibia: 9, Zambia: 2 [**11**].
Pipistrellus hesperidus (Temminck, 1840)
South Africa: 2 [**2**].
Pipistrellus rueppellii (Fischer, 1829)
Zambia: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
Malawi: 1, Namibia: 3, South Africa: 1, Zambia: 3 [**8**].
Rhinolophus Lacépède, 1799
South Africa: 1 [**1**].
Rhinolophus blasii Peters, 1867
Zambia: 2 [**2**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 9 [**9**].
Rhinolophus clivosus Cretzschmar, 1828
South Africa: 19, Zambia: 5 [**24**].
Rhinolophus damarensis Roberts, 1946
South Africa: 1 [**1**].
Rhinolophus darlingi K. Andersen, 1905
Zambia: 1 [**1**].
Rhinolophus denti Thomas, 1904
Namibia: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
Malawi: 2, Namibia: 2 [**4**].
Rhinolophus lobatus Peters, 1852
Malawi: 1, Zambia: 1 [**2**].
Rhinolophus simulator K. Andersen, 1904
South Africa: 3 [**3**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Zambia: 4 [**4**].

Rhinolophus swinnyi Gough, 1908
South Africa: 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Malawi: 1, South Africa: 9 [**10**].
Sauromys petrophilus (Roberts, 1917)
Namibia: 54, South Africa: 20 [**74**].
Sauromys petrophilus umbratus (Shortridge & Carter, 1938)
South Africa: 1 [**1**].
Scotoecus albigula Thomas, 1909
Zambia: 2 [**2**].
Scotophilus dinganii (A. Smith, 1833)
Namibia: 5, South Africa: 7, Zambia: 3 [**15**].
Scotophilus leucogaster (Cretzschmar, 1826)
Namibia: 1, South Africa: 1 [**2**].
Scotophilus viridis (Peters, 1852)
South Africa: 2 [**2**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Namibia: 3, South Africa: 17 [**20**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Malawi: 1, South Africa: 1, Zambia: 1 [**3**].

Total Specimens for KM: 637

KNP: Kruger National Park

Chaerephon pumilus (Cretzschmar, 1826)
South Africa: 17 [**17**].
Epomophorus crypturus Peters, 1852
South Africa: 10 [**10**].
Epomophorus wahlbergi (Sundevall, 1846)
South Africa: 5 [**5**].
Eptesicus hottentotus (A. Smith, 1833)
South Africa: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
South Africa: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
South Africa: 15 [**15**].
Kerivoula argentata Tomes, 1861
South Africa: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
South Africa: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
South Africa: 13 [**13**].
Mops (Mops) condylurus (A. Smith, 1833)
South Africa: 13 [**13**].
Mops (Mops) midas (Sundevall, 1843)
South Africa: 5 [**5**].
Myotis bocagii (Peters, 1870)
South Africa: 1 [**1**].
Myotis tricolor (Temminck, 1832)
South Africa: 1 [**1**].
Myotis welwitschii (Gray, 1866)
South Africa: 3 [**3**].
Neoromicia Roberts, 1926
South Africa: 2 [**2**].
Neoromicia capensis (A. Smith, 1829)
South Africa: 6 [**6**].
Neoromicia nana (Peters, 1852)
South Africa: 6 [**6**].
Neoromicia zuluensis (Roberts, 1924)
South Africa: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
South Africa: 13 [**13**].
Nycticeinops schlieffenii (Peters, 1859)
South Africa: 8 [**8**].
Pipistrellus hesperidus (Temminck, 1840)
South Africa: 2 [**2**].
Pipistrellus rusticus (Tomes, 1861)
South Africa: 3 [**3**].
Rhinolophus clivosus Cretzschmar, 1828
South Africa: 1 [**1**].
Rhinolophus darlingi K. Andersen, 1905
South Africa: 9 [**9**].
Rhinolophus fumigatus Rüppell, 1842
South Africa: 4 [**4**].

Rhinolophus lobatus Peters, 1852
South Africa: 4 [**4**].
Rhinolophus rhodesiae Roberts, 1946
South Africa: 2 [**2**].
Rhinolophus simulator K. Andersen, 1904
South Africa: 1 [**1**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
South Africa: 8 [**8**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
South Africa: 5 [**5**].
Scotophilus dinganii (A. Smith, 1833)
South Africa: 12 [**12**].
Scotophilus viridis (Peters, 1852)
South Africa: 7 [**7**].
Tadarida fulminans (Thomas, 1903)
South Africa: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
South Africa: 4 [**4**].

Total Specimens for KNP: 187

KU: University of Kansas, Natural History Museum

Chaerephon bivittatus (Heuglin, 1861)
Kenya: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Botswana: 2, Kenya: 1, Malawi: 3, South Africa: 6, Tanzania: 12 [**24**].
Cloeotis percivali Thomas, 1901
Zimbabwe: 2 [**2**].
Doryrhina cyclops (Temminck, 1853)
Congo (Democratic Republic of the): 1 [**1**].
Eidolon helvum (Kerr, 1792)
Congo (Democratic Republic of the): 1 [**1**].
Epomophorus crypturus Peters, 1852
Zimbabwe: 1 [**1**].
Epomophorus dobsonii Bocage, 1889
Angola: 1 [**1**].
Epomophorus minor Dobson, 1880
Kenya: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 1, Malawi: 1, South Africa: 2 [**4**].
Glauconycteris variegata (Tomes, 1861)
South Africa: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
"Africa": 1, Malawi: 2, South Africa: 6, Tanzania: 2, Zambia: 1 [**12**].
Hipposideros fuliginosus (Temminck, 1853)
Congo (Democratic Republic of the): 3 [**3**].
Hipposideros ruber (Noack, 1893)
Congo (Democratic Republic of the): 2, Tanzania: 1, Uganda: 1 [**4**].
Hypsignathus monstrosus H. Allen, 1862
Congo (Democratic Republic of the): 1 [**1**].
Kerivoula argentata Tomes, 1861
South Africa: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Congo (Democratic Republic of the): 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Congo (Democratic Republic of the): 1 [**1**].
Mimetillus moloneyi (Thomas, 1891)
Liberia: 2 [**2**].
Miniopterus fraterculus Thomas and Schwann, 1906
South Africa: 4, Zimbabwe: 1 [**5**].
Miniopterus natalensis (A. Smith, 1833)
Zimbabwe: 2 [**2**].
Mops Lesson, 1842
Kenya: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
Malawi: 24, South Africa: 6 [**30**].
Mops (Mops) midas (Sundevall, 1843)
Malawi: 1 [**1**].
Myotis bocagii bocagii (Peters, 1870)
Malawi: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
South Africa: 1, Zimbabwe: 1 [**2**].
Neoromicia nana (Peters, 1852)
Malawi: 4, South Africa: 7 [**11**].

Neoromicia rendalli (Thomas, 1889)
Malawi: 1 [**1**].
Nycteris hispida (Schreber, 1774)
Kenya: 1, South Africa: 1, Tanzania: 4 [**6**].
Nycteris macrotis Dobson, 1876
Tanzania: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 5, Botswana: 5, Malawi: 2, South Africa: 3, Tanzania: 1, Zimbabwe: 1 [**17**].
Nycteris vinsoni Dalquest, 1965
Mozambique: 1 [**1**].
Nycteris woodi K. Andersen, 1914
Malawi: 1 [**1**].
Nycticeinops schlieffenii (Peters, 1859)
Malawi: 2 [**2**].
Pipistrellus hesperidus broomi Roberts, 1948
South Africa: 3 [**3**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
Kenya: 1 [**1**].
Rhinolophus Lacépède, 1799
Kenya: 1 [**1**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
"Africa": 1 [**1**].
Rhinolophus eloquens K. Andersen, 1905
Kenya: 1 [**1**].
Rhinolophus lobatus Peters, 1852
Malawi: 2 [**2**].
Rhinolophus rhodesiae Roberts, 1946
Zimbabwe: 1 [**1**].
Rhinolophus simulator K. Andersen, 1904
"Africa": 4, South Africa: 1 [**5**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Kenya: 1, South Africa: 4 [**5**].
Scotophilus Leach, 1821
Ghana: 2 [**2**].
Scotophilus dinganii (A. Smith, 1833)
Malawi: 2, South Africa: 11, Tanzania: 2 [**15**].
Scotophilus nigrita (Schreber, 1774)
Mozambique: 1 [**1**].
Scotophilus viridis (Peters, 1852)
Malawi: 2 [**2**].
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
South Africa: 3 [**3**].
Taphozous hildegardeae Thomas, 1909
Kenya: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Malawi: 1, South Africa: 1 [**2**].
Triaenops afer Peters, 1877
Zimbabwe: 1 [**1**].

Total Specimens for KU: 192

KZNM: KwaZulu-Natal Museum

Otomops martiensseni (Matschie, 1897)
South Africa: 2 [**2**].

Total Specimens for KZNM: 2

LACM: Natural History Museum of Los Angeles County

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Tunisia: 4 [**4**].
Chaerephon chapini J.A. Allen, 1917
Zambia: 1 [**1**].
Chaerephon nigeriae Thomas, 1913
Namibia: 3 [**3**].
Cistugo seabrae Thomas, 1912
Namibia: 1 [**1**].
Cloeotis percivali Thomas, 1901
South Africa: 2 [**2**].
Eidolon helvum (Kerr, 1792)
Uganda: 5 [**5**].

Epomophorus angolensis Gray, 1870
Namibia: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
Côte d'Ivoire: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Kenya: 1, Tanzania: 7, Uganda: 18 [**26**].
Epomophorus minor Dobson, 1880
Kenya: 44, Tanzania: 6 [**50**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 84, Tanzania: 14 [**98**].
Epomops buettikoferi (Matschie, 1899)
Liberia: 1 [**1**].
Epomops franqueti (Tomes, 1860)
Uganda: 55 [**55**].
Eptesicus hottentotus (A. Smith, 1833)
Namibia: 5 [**5**].
Hipposideros caffer (Sundevall, 1846)
Namibia: 3 [**3**].
Hypsignathus monstrosus H. Allen, 1862
Uganda: 7 [**7**].
Kerivoula argentata Tomes, 1861
Kenya: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
Kenya: 2 [**2**].
Kerivoula phalaena Thomas, 1912
Uganda: 2 [**2**].
Kerivoula smithii Thomas, 1880
Uganda: 3 [**3**].
Macronycteris vittatus (Peters, 1852)
Namibia: 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
Uganda: 9 [**9**].
Micropteropus pusillus (Peters, 1868)
Côte d'Ivoire: 1, Uganda: 16 [**17**].
Mimetillus moloneyi (Thomas, 1891)
Kenya: 6, Uganda: 3 [**9**].
Mimetillus thomasi Hinton, 1920
Zambia: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
Namibia: 2 [**2**].
Mops (Mops) condylurus (A. Smith, 1833)
Zambia: 1 [**1**].
Mops (Mops) midas (Sundevall, 1843)
Namibia: 1, Zambia: 18 [**19**].
Mops (Mops) trevori J.A. Allen, 1917
Uganda: 4 [**4**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
Kenya: 13, Tanzania: 3, Uganda: 86 [**102**].
Myonycteris relicta Bergmans, 1980
Tanzania: 1 [**1**].
Myonycteris torquata (Dobson, 1878)
Uganda: 5 [**5**].
Myotis tricolor (Temminck, 1832)
Kenya: 2 [**2**].
Nanonycteris veldkampii (Jentink, 1888)
Central African Republic: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Namibia: 7 [**7**].
Neoromicia somalica (Thomas, 1901)
Côte d'Ivoire: 1, Kenya: 3, South Africa: 2 [**6**].
Neoromicia zuluensis (Roberts, 1924)
Namibia: 2 [**2**].
Nycteris hispida (Schreber, 1774)
Zambia: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Namibia: 2 [**2**].
Pipistrellus grandidieri (Dobson, 1876)
Tanzania: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
Egypt: 1, Kenya: 9, Zambia: 53 [**63**].
Pipistrellus rusticus (Tomes, 1861)
Uganda: 2 [**2**].
Rhinolophus damarensis Roberts, 1946
Namibia: 1 [**1**].
Rhinolophus denti Thomas, 1904
Namibia: 3 [**3**].

Rhinolophus fumigatus Rüppell, 1842
Namibia: 1 [**1**].
Rhinolophus ruwenzorii J. Eric Hill, 1942
Uganda: 11 [**11**].
Rhinolophus simulator K. Andersen, 1904
Kenya: 1, South Africa: 1 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Côte d'Ivoire: 2, Kenya: 19, Uganda: 7 [**28**].
Sauromys petrophilus (Roberts, 1917)
Namibia: 2 [**2**].
Scotoecus hindei Thomas, 1901
Zambia: 7 [**7**].
Scotophilus leucogaster (Cretzschmar, 1826)
Namibia: 6 [**6**].
Stenonycteris lanosus (Thomas, 1906)
Kenya: 12, Uganda: 11 [**23**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Côte d'Ivoire: 1, Kenya: 181, Namibia: 83 [**265**].
Tadarida ventralis (Heuglin, 1861)
Kenya: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Kenya: 13, Tanzania: 4, Uganda: 11 [**28**].

Total Specimens for LACM: 907

LER: Laboratoire Emile Roubaud

Myonycteris torquata (Dobson, 1878)
Central African Republic: 1 [**1**].

Total Specimens for LER: 1

LNK: Staatliches Museum für Naturkunde, Karlsruhe [SMNK]

Epomophorus labiatus (Temminck, 1837)
Tanzania: 12 [**12**].

Total Specimens for LNK: 12

LZUM: Laboratory of Zoology, University of Maroua

Chaerephon chapini J.A. Allen, 1917
Cameroon: 1 [**1**].
Chaerephon leucogaster (A. Grandidier, 1869)
Cameroon: 1 [**1**].
Chaerephon major (Trouessart, 1897)
Cameroon: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Cameroon: 1 [**1**].
Eidolon helvum (Kerr, 1792)
Cameroon: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
Cameroon: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
Cameroon: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
Cameroon: 1 [**1**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Cameroon: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
Cameroon: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
Cameroon: 1 [**1**].
Scotophilus nigrita (Schreber, 1774)
Cameroon: 1 [**1**].

Total Specimens for LZUM: 13

MCZ: Museum of Comparative Zoology, Harvard University

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Egypt: 2 [**2**].
Cardioderma cor (Peters, 1872)
Kenya: 29, Tanzania: 1 [**30**].

Chaerephon Dobson, 1874
Malawi: 26 [**26**].
Chaerephon ansorgei (Thomas, 1913)
Congo (Democratic Republic of the): 2 [**2**].
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
Madagascar: 5 [**5**].
Chaerephon leucogaster (A. Grandidier, 1869)
Congo (Democratic Republic of the): 2 [**2**].
Chaerephon major (Trouessart, 1897)
Congo (Democratic Republic of the): 2, Tanzania: 2 [**4**].
Chaerephon pumilus (Cretzschmar, 1826)
Benin: 3, Eritrea: 1, Kenya: 16, Madagascar: 21, Malawi: 11, Mozambique: 5, Sudan: 4, Tanzania: 26, Uganda: 45 [**132**].
Chaerephon russatus J.A. Allen, 1917
Congo (Democratic Republic of the): 2, Kenya: 1 [**3**].
CHIROPTERA Blumenbach, 1779
South Africa: 1, Tanzania: 1 [**2**].
Cistugo seabrae Thomas, 1912
Namibia: 1 [**1**].
Coleura afra (Peters, 1852)
Congo (Democratic Republic of the): 1, Kenya: 8, Tanzania: 46 [**55**].
Doryrhina cyclops (Temminck, 1853)
Cameroon: 4, Congo (Democratic Republic of the): 7, Liberia: 1, Uganda: 1 [**13**].
Eidolon dupreanum (Schegel, 1867)
Madagascar: 18 [**18**].
Eidolon helvum (Kerr, 1792)
"Africa": 2, Cameroon: 10, Congo (Democratic Republic of the): 4, Ghana: 1, Liberia: 5, Malawi: 1, Sierra Leone: 2, Tanzania: 11, Uganda: 1 [**37**].
Epomophorus Bennett, 1836
Tanzania: 2 [**2**].
Epomophorus crypturus Peters, 1852
Malawi: 1 [**1**].
Epomophorus dobsonii Bocage, 1889
Congo (Democratic Republic of the): 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
Ghana: 3, Mali: 1 [**4**].
Epomophorus labiatus (Temminck, 1837)
Kenya: 11, Malawi: 1, Sudan: 3, Tanzania: 27, Uganda: 1 [**43**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 21, Mozambique: 1, South Africa: 7, Tanzania: 8, Uganda: 1 [**38**].
Epomops buettikoferi (Matschie, 1899)
Senegal: 1 [**1**].
Epomops franqueti (Tomes, 1860)
Cameroon: 6, Liberia: 1, Sierra Leone: 1, Uganda: 3 [**11**].
Eptesicus Rafinesque, 1820
Sudan: 1 [**1**].
Glauconycteris argentata (Dobson, 1875)
Kenya: 12, Tanzania: 7, The Gambia: 1 [**20**].
Glauconycteris variegata (Tomes, 1861)
Cameroon: 2, Congo (Democratic Republic of the): 2, Tanzania: 1 [**5**].
Hipposideros Gray, 1831
Cameroon: 1 [**1**].
Hipposideros abae J.A. Allen, 1917
Congo (Democratic Republic of the): 2 [**2**].
Hipposideros beatus (K. Andersen, 1906)
Cameroon: 7, Congo (Democratic Republic of the): 3, Ghana: 1, Liberia: 4 [**15**].
Hipposideros caffer (Sundevall, 1846)
"Africa": 2, Congo (Democratic Republic of the): 2, Kenya: 8, Malawi: 3, Mozambique: 1, Senegal: 1, South Africa: 1, Tanzania: 31, Zimbabwe: 1 [**50**].
Hipposideros curtus G.M. Allen, 1921
Cameroon: 1 [**1**].
Hipposideros fuliginosus (Temminck, 1853)
Cameroon: 5 [**5**].
Hipposideros ruber (Noack, 1893)
Cameroon: 38, Congo (Democratic Republic of the): 15, Kenya: 4, Malawi: 1, South Sudan: 2, Tanzania: 6, The Gambia: 1, Uganda: 2 [**69**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 1, Congo (Democratic Republic of the): 6, Ghana: 1 [**8**].
Hypsugo crassulus (Thomas, 1904)
Cameroon: 1 [**1**].
Kerivoula Gray, 1842
"Africa": 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
Cameroon: 4 [**4**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Benin: 3, Congo (Democratic Republic of the): 1, Kenya: 20, Sudan: 5, Tanzania: 11, Uganda: 9 [**49**].

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 8 [**8**].
Macronycteris gigas (Wagner, 1845)
"Africa": 1, Cameroon: 2, Congo (Democratic Republic of the): 1 [**4**].
Macronycteris vittatus (Peters, 1852)
Kenya: 1, Namibia: 1, Tanzania: 17 [**19**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 3 [**3**].
Micropteropus pusillus (Peters, 1868)
Uganda: 2 [**2**].
Miniopterus Bonaparte, 1837
Kenya: 6 [**6**].
Miniopterus africanus Sanborn, 1936
Kenya: 1 [**1**].
Miniopterus fraterculus Thomas and Schwann, 1906
Congo (Democratic Republic of the): 3, Kenya: 1 [**4**].
Miniopterus inflatus rufus Sanborn, 1936
Kenya: 49 [**49**].
Miniopterus majori Thomas, 1906
Madagascar: 2 [**2**].
Miniopterus manavi Thomas, 1906
Madagascar: 27 [**27**].
Miniopterus minor Peters, 1867
Tanzania: 4 [**4**].
Miniopterus natalensis (A. Smith, 1833)
Congo (Democratic Republic of the): 1, Kenya: 3, South Africa: 17, Tanzania: 3 [**24**].
MOLOSSIDAE Gervais, 1856
Madagascar: 2 [**2**].
Mops (Mops) condylurus (A. Smith, 1833)
Angola: 2, Congo (Democratic Republic of the): 15, Kenya: 22, Malawi: 1, Swaziland: 2, Tanzania: 27 [**69**].
Mops (Mops) congicus J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Mops (Mops) demonstrator (Thomas, 1903)
Sudan: 3 [**3**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
Madagascar: 29 [**29**].
Mops (Mops) midas (Sundevall, 1843)
Congo (Democratic Republic of the): 3, Malawi: 1, Sudan: 1 [**5**].
Mops (Mops) midas miarensis (A. Grandidier, 1869)
Madagascar: 4 [**4**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Zambia: 2 [**2**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Cameroon: 5, Congo (Democratic Republic of the): 2 [**7**].
Mormopterus Peters, 1865
Madagascar: 2 [**2**].
Mormopterus acetabulosus (Hermann, 1804)
Mauritius: 1 [**1**].
Mormopterus acetabulosus acetabulosus (Hermann, 1804)
Réunion: 6 [**6**].
Mormopterus jugularis (Peters, 1865)
Madagascar: 38 [**38**].
Myonycteris angolensis (Bocage, 1898)
Congo (Democratic Republic of the): 13, Kenya: 1, Tanzania: 9, Uganda: 7 [**30**].
Myonycteris relicta Bergmans, 1980
Kenya: 1 [**1**].
Myonycteris torquata (Dobson, 1878)
Cameroon: 2 [**2**].
Myopterus daubentonii Desmarest, 1820
Congo (Democratic Republic of the): 1 [**1**].
Myotis Kaup, 1829
Ethiopia: 1 [**1**].
Myotis bocagii bocagii (Peters, 1870)
Cameroon: 1, Congo (Democratic Republic of the): 1, Kenya: 7, Tanzania: 2, Uganda: 1 [**12**].
Myotis bocagii cupreolus Thomas, 1904
Congo (Democratic Republic of the): 7 [**7**].
Myotis goudoti (A. Smith, 1834)
Madagascar: 5 [**5**].
Myotis punicus Felten, 1977
Morocco: 6 [**6**].
Neoromicia Roberts, 1926
Congo (Democratic Republic of the): 1, Ghana: 1 [**2**].
Neoromicia brunnea (Thomas, 1880)
Cameroon: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Ethiopia: 1, Namibia: 1, South Africa: 10 [**12**].

Neoromicia helios (Heller, 1912)
Kenya: 1 [**1**].
Neoromicia matroka (Thomas and Schwann, 1905)
Madagascar: 6 [**6**].
Neoromicia nana (Peters, 1852)
Benin: 1, Cameroon: 10, Congo (Democratic Republic of the): 18, Gabon: 3, Kenya: 18, Liberia: 34, Madagascar: 1, Malawi: 20, South Africa: 1, Tanzania: 124, Uganda: 6, Zambia: 7, Zimbabwe: 12 [**255**].
Neoromicia rendalli (Thomas, 1889)
Congo (Democratic Republic of the): 2, Kenya: 6, Sudan: 4 [**12**].
Neoromicia somalica (Thomas, 1901)
Kenya: 2, Sudan: 1 [**3**].
Neoromicia tenuipinnis (Peters, 1872)
Burundi: 1, Cameroon: 1, Congo (Democratic Republic of the): 7, Liberia: 14 [**23**].
Neoromicia zuluensis (Roberts, 1924)
Namibia: 2 [**2**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Somalia: 1, Tanzania: 1, Uganda: 2 [**4**].
Nycteris arge Thomas, 1903
Cameroon: 4, Congo (Democratic Republic of the): 10, Liberia: 2 [**16**].
Nycteris aurita (K. Andersen, 1912)
Kenya: 1 [**1**].
Nycteris grandis Peters, 1865
Cameroon: 3, Congo (Democratic Republic of the): 2, Liberia: 1, Tanzania: 1 [**7**].
Nycteris hispida (Schreber, 1774)
"Africa": 1, Cameroon: 10, Congo (Democratic Republic of the): 4, Kenya: 5, Liberia: 1, Tanzania: 2 [**23**].
Nycteris macrotis Dobson, 1876
Kenya: 2, Malawi: 1, Tanzania: 21 [**24**].
Nycteris madagascariensis G. Grandidier, 1937
Madagascar: 2 [**2**].
Nycteris nana (K. Andersen, 1912)
Cameroon: 3, Kenya: 1 [**4**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 2, Botswana: 2, Djibouti: 1, Kenya: 19, Malawi: 1, Namibia: 4, Senegal: 2, South Africa: 3, Tanzania: 49 [**83**].
Nycticeinops schlieffenii (Peters, 1859)
Botswana: 1, Kenya: 1 [**2**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 1 [**1**].
Paratriaenops auritus (G. Grandidier, 1912)
Madagascar: 1 [**1**].
Paremballonura atrata (Peters, 1874)
Madagascar: 19 [**19**].
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Madagascar: 2 [**2**].
Pipistrellus Kaup, 1829
Cameroon: 3, Congo (Democratic Republic of the): 15, Ethiopia: 1, Nigeria: 1, Senegal: 1 [**21**].
Pipistrellus hesperidus (Temminck, 1840)
Eritrea: 1, Sudan: 1 [**2**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
Tanzania: 1 [**1**].
Pipistrellus inexspectatus Aellen, 1959
Kenya: 11, Madagascar: 1 [**12**].
Pipistrellus maderensis (Dobson, 1878)
Canary Islands (Spain): 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
Cameroon: 1, Tanzania: 11 [**12**].
Pipistrellus rueppellii vernayi Roberts, 1932
Angola: 1, Botswana: 1 [**2**].
Platymops setiger macmillani Thomas, 1906
Kenya: 1 [**1**].
Plecotus christii Gray, 1838
Egypt: 1 [**1**].
Pteropus Erxleben, 1777
Ethiopia: 1, Tanzania: 1 [**2**].
Pteropus niger (Kerr, 1792)
Mauritius: 3 [**3**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 15, Tanzania: 1 [**16**].
Pteropus voeltzkowi Matschie, 1909
Tanzania: 3 [**3**].
Rhinolophus Lacépède, 1799
Kenya: 2, Namibia: 5 [**7**].
Rhinolophus alcyone Temminck, 1853
Uganda: 9 [**9**].
Rhinolophus blasii Peters, 1867
Malawi: 1 [**1**].

Rhinolophus capensis Lichtenstein, 1823
South Africa: 10 [**10**].
Rhinolophus clivosus Cretzschmar, 1828
Kenya: 2, Sudan: 1, Tanzania: 1, Zimbabwe: 1 [**5**].
Rhinolophus deckenii Peters, 1868
Tanzania: 2 [**2**].
Rhinolophus eloquens K. Andersen, 1905
Congo (Democratic Republic of the): 3, Kenya: 23, Uganda: 1 [**27**].
Rhinolophus euryale Blasius, 1853
Algeria: 2 [**2**].
Rhinolophus fumigatus Rüppell, 1842
Congo (Democratic Republic of the): 1, Kenya: 1, Namibia: 2, Tanzania: 1 [**5**].
Rhinolophus hildebrandtii Peters, 1878
Kenya: 1, Tanzania: 5 [**6**].
Rhinolophus hipposideros (Bechstein, 1800)
Morocco: 6 [**6**].
Rhinolophus landeri Martin, 1838
Cameroon: 1, Nigeria: 1, Sudan: 14 [**16**].
Rhinolophus lobatus Peters, 1852
Congo (Democratic Republic of the): 3, Tanzania: 3 [**6**].
Rhinolophus rhodesiae Roberts, 1946
Tanzania: 17 [**17**].
Rhinolophus simulator K. Andersen, 1904
Kenya: 1 [**1**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Malawi: 3 [**3**].
Rhinopoma cystops Thomas, 1903
Egypt: 4 [**4**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 7 [**7**].
Rousettus Gray, 1821
South Africa: 1, Uganda: 1 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
"Africa": 3, Congo (Democratic Republic of the): 14, Egypt: 3, Kenya: 5, Malawi: 1, South Africa: 2, Tanzania: 8, Uganda: 6 [**42**].
Rousettus madagascariensis G. Grandidier, 1929
Madagascar: 1 [**1**].
Saccolaimus peli (Temminck, 1853)
Congo (Democratic Republic of the): 3, Ghana: 1, Liberia: 5, Uganda: 2 [**11**].
Sauromys petrophilus (Roberts, 1917)
South Africa: 1 [**1**].
Scotoecus hindei Thomas, 1901
Kenya: 1 [**1**].
Scotoecus hirundo (de Winton, 1899)
Sudan: 1 [**1**].
Scotophilus Leach, 1821
Uganda: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
Kenya: 10, Malawi: 1, South Africa: 2, Tanzania: 1 [**14**].
Scotophilus leucogaster (Cretzschmar, 1826)
Sudan: 6 [**6**].
Scotophilus nux Thomas, 1904
Kenya: 1 [**1**].
Scotophilus robustus A. Milne-Edwards, 1881
Madagascar: 3 [**3**].
Scotophilus viridis (Peters, 1852)
Kenya: 1 [**1**].
Stenonycteris lanosus (Thomas, 1906)
Tanzania: 7, Uganda: 5 [**12**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
South Africa: 4 [**4**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
South Africa: 3 [**3**].
Taphozous hildegardeae Thomas, 1909
Kenya: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Congo (Democratic Republic of the): 6, Madagascar: 3, Mozambique: 1, Tanzania: 10 [**20**].
Taphozous nudiventris Cretzschmar, 1830
Tanzania: 2 [**2**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Kenya: 11 [**11**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Sudan: 1 [**1**].
Taphozous perforatus sudani Thomas, 1915
Congo (Democratic Republic of the): 1, Tanzania: 1 [**2**].

Triaenops afer Peters, 1877
Kenya: 2, Tanzania: 51 [**53**].
Triaenops menamena Goodman and Ranivo, 2009
Madagascar: 5 [**5**].

Total Specimens for MCZ: 1968

MDL: Museum Dundo

Chaerephon nigeriae Thomas, 1913
Angola: 3 [**3**].
Eidolon helvum (Kerr, 1792)
Angola: 1 [**1**].
Epomophorus angolensis Gray, 1870
Angola: 1 [**1**].
Epomophorus crypturus Peters, 1852
Angola: 2 [**2**].
Epomophorus dobsonii Bocage, 1889
Angola: 3 [**3**].
Epomophorus grandis (Sanborn, 1950)
Angola: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
Angola: 49 [**49**].
Glauconycteris argentata (Dobson, 1875)
Angola: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
Angola: 8 [**8**].
Hypsignathus monstrosus H. Allen, 1862
Angola: 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
Angola: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Angola: 1 [**1**].
Myotis welwitschii (Gray, 1866)
Angola: 1 [**1**].
Neoromicia "incertae-sedis"
Angola: 1 [**1**].
Neoromicia nana (Peters, 1852)
Angola: 8 [**8**].
Neoromicia tenuipinnis (Peters, 1872)
Angola: 5 [**5**].
Nycteris arge Thomas, 1903
Angola: 1 [**1**].
Nycteris hispida (Schreber, 1774)
Angola: 6 [**6**].
Nycteris macrotis Dobson, 1876
Angola: 15 [**15**].
Saccolaimus peli (Temminck, 1853)
Angola: 1 [**1**].
Scotoecus albigula Thomas, 1909
Angola: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
Angola: 19 [**19**].
Tadarida Rafinesque, 1814
Angola: 2 [**2**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Angola: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Angola: 31 [**31**].
VESPERTILIONIDAE Gray, 1821
Angola: 1 [**1**].

Total Specimens for MDL: 166

MHNC: Muséum d'Histoire Naturelle de La Chaux-de-Fonds

Epomophorus gambianus (Ogilby, 1835)
Cameroon: 11, Guinea-Bissau: 7 [**18**].
Laephotis angolensis Monard, 1935
"Africa": 1, Angola: 3 [**4**].
Pipistrellus inexspectatus Aellen, 1959
Cameroon: 1 [**1**].

Total Specimens for MHNC: 23

MHNG: Muséum d'Histoire Naturelle, Genève

Casinycteris argynnis Thomas, 1910
Congo (Democratic Republic of the): 6 [**6**].
Chaerephon Dobson, 1874
Burundi: 2 [**2**].
Chaerephon ansorgei (Thomas, 1913)
Congo (Democratic Republic of the): 4 [**4**].
Chaerephon major (Trouessart, 1897)
Congo (Democratic Republic of the): 5 [**5**].
Chaerephon nigeriae spillmanni (Monard, 1933)
Congo (Democratic Republic of the): 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Rwanda: 5 [**5**].
Cloeotis percivali Thomas, 1901
Congo (Democratic Republic of the): 1 [**1**].
Doryrhina cyclops (Temminck, 1853)
Congo (Democratic Republic of the): 1 [**1**].
Eidolon helvum (Kerr, 1792)
Burundi: 30, Rwanda: 4 [**34**].
Epomophorus crypturus Peters, 1852
Congo (Democratic Republic of the): 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Burundi: 151, Rwanda: 7 [**158**].
Epomophorus wahlbergi (Sundevall, 1846)
Burundi: 4 [**4**].
Epomops franqueti (Tomes, 1860)
Congo (Democratic Republic of the): 7 [**7**].
Eptesicus Rafinesque, 1820
Angola: 1 [**1**].
Glauconycteris argentata (Dobson, 1875)
Burundi: 2, Congo (Democratic Republic of the): 1 [**3**].
Hipposideros beatus (K. Andersen, 1906)
Congo (Democratic Republic of the): 6 [**6**].
Hipposideros caffer (Sundevall, 1846)
Burundi: 3 [**3**].
Hipposideros lamottei Brosset, 1985
Guinea: 4 [**4**].
Hipposideros ruber (Noack, 1893)
Burundi: 21, Congo (Democratic Republic of the): 38, Rwanda: 4 [**63**].
Hypsugo musciculus (Thomas, 1913)
Cameroon: 6 [**6**].
Hypsugo savii (Bonaparte, 1837)
Morocco: 1 [**1**].
Kerivoula argentata Tomes, 1861
Senegal: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
Côte d'Ivoire: 1 [**1**].
Laephotis botswanae Setzer, 1971
Mozambique: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Rwanda: 2 [**2**].
Macronycteris gigas (Wagner, 1845)
Côte d'Ivoire: 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
Congo (Democratic Republic of the): 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Congo (Democratic Republic of the): 4 [**4**].
Mimetillus moloneyi (Thomas, 1891)
Congo (Democratic Republic of the): 1 [**1**].
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
Comoros: 1 [**1**].
Miniopterus fraterculus Thomas and Schwann, 1906
Burundi: 5 [**5**].
Miniopterus inflatus Thomas, 1903
Congo (Democratic Republic of the): 4, Guinea: 1 [**5**].
Miniopterus inflatus inflatus Thomas, 1903
Burundi: 4 [**4**].
Miniopterus inflatus rufus Sanborn, 1936
Congo (Democratic Republic of the): 2 [**2**].
Miniopterus minor Peters, 1867
Congo: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
Congo (Democratic Republic of the): 33 [**33**].

Miniopterus schreibersii (Kuhl, 1817)
Morocco: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
Congo (Democratic Republic of the): 8, Rwanda: 2 [**10**].
Mops (Mops) congicus J.A. Allen, 1917
Congo (Democratic Republic of the): 2 [**2**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Congo (Democratic Republic of the): 8 [**8**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Congo (Democratic Republic of the): 8, Rwanda: 1 [**9**].
Myonycteris angolensis (Bocage, 1898)
Congo (Democratic Republic of the): 9, Rwanda: 2 [**11**].
Myonycteris angolensis angolensis (Bocage, 1898)
Congo (Democratic Republic of the): 1 [**1**].
Myonycteris torquata (Dobson, 1878)
Congo (Democratic Republic of the): 1 [**1**].
Myotis anjouanensis (Dorst, 1960)
Comoros: 1 [**1**].
Myotis bocagii (Peters, 1870)
Burundi: 2, Congo (Democratic Republic of the): 3 [**5**].
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
Macedonia: 1 [**1**].
Myotis punicus Felten, 1977
Tunisia: 1 [**1**].
Myotis tricolor (Temminck, 1832)
Congo (Democratic Republic of the): 4 [**4**].
Myotis welwitschii (Gray, 1866)
Burundi: 1, Congo (Democratic Republic of the): 1, Ethiopia: 1 [**3**].
Neoromicia Roberts, 1926
Burundi: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Burundi: 1 [**1**].
Neoromicia guineensis (Bocage, 1889)
Ethiopia: 1, Senegal: 2 [**3**].
Neoromicia nana (Peters, 1852)
Burundi: 20, Cameroon: 1, Congo (Democratic Republic of the): 14, Côte d'Ivoire: 10, Rwanda: 1, Tanzania: 15 [**61**].
Neoromicia rendalli (Thomas, 1889)
Chad: 12 [**12**].
Neoromicia somalica (Thomas, 1901)
Chad: 1, South Africa: 1 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
Burundi: 9, Congo (Democratic Republic of the): 3, Gabon: 1, Uganda: 1 [**14**].
Nycteris arge Thomas, 1903
Cameroon: 1, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 5 [**7**].
Nycteris gambiensis (K. Andersen, 1912)
Guinea-Bissau: 3, Senegal: 1 [**4**].
Nycteris hispida (Schreber, 1774)
Burundi: 2, Rwanda: 1 [**3**].
Nycteris intermedia Aellen, 1959
Côte d'Ivoire: 4, Gabon: 2 [**6**].
Nycteris macrotis Dobson, 1876
Cameroon: 1, Congo: 3, Guinea-Bissau: 1, Rwanda: 2, Senegal: 1 [**8**].
Nycteris major (K. Andersen, 1912)
Cameroon: 2 [**2**].
Nycteris nana (K. Andersen, 1912)
Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1 [**2**].
Nycteris parisii (de Beaux, 1924)
Cameroon: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Angola: 2, Congo (Democratic Republic of the): 2, Senegal: 1 [**5**].
Otomops martiensseni (Matschie, 1897)
Burundi: 1 [**1**].
Pipistrellus Kaup, 1829
Burundi: 4 [**4**].
Pipistrellus hesperidus (Temminck, 1840)
Senegal: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
"Africa": 2, Algeria: 1, Egypt: 2, Libya: 1, Sudan: 3, Tunisia: 2 [**11**].
Pipistrellus nanulus Thomas, 1904
Cameroon: 2, Senegal: 1 [**3**].
Pipistrellus pipistrellus (Schreber, 1774)
Algeria: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
Angola: 1, Morocco: 1, Nigeria: 1, Sudan: 1 [**4**].
Pipistrellus rusticus (Tomes, 1861)
Senegal: 2 [**2**].

Plecotus gaisleri Benda, Kiefer, Hanak & Veith, 2004
Morocco: 1 [**1**].
Rhinolophus Lacépède, 1799
Burundi: 1 [**1**].
Rhinolophus adami Aellen and Brosset, 1968
Congo: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
Congo (Democratic Republic of the): 21, Rwanda: 2 [**23**].
Rhinolophus fumigatus Rüppell, 1842
Burundi: 21 [**21**].
Rhinolophus hildebrandtii Peters, 1878
Burundi: 11, Congo (Democratic Republic of the): 17 [**28**].
Rhinolophus lobatus Peters, 1852
Congo (Democratic Republic of the): 1 [**1**].
Rhinolophus rhodesiae Roberts, 1946
Congo (Democratic Republic of the): 35 [**35**].
Rhinolophus ruwenzorii J. Eric Hill, 1942
Congo (Democratic Republic of the): 5 [**5**].
Rhinolophus silvestris Aellen, 1959
Gabon: 1 [**1**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Congo (Democratic Republic of the): 8, Rwanda: 3 [**11**].
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Congo (Democratic Republic of the): 3 [**3**].
Scotophilus Leach, 1821
Burundi: 10 [**10**].
Scotophilus dinganii (A. Smith, 1833)
Burundi: 19, Congo (Democratic Republic of the): 1, Rwanda: 5 [**25**].
Scotophilus leucogaster (Cretzschmar, 1826)
Burundi: 2 [**2**].
Scotophilus nigrita (Schreber, 1774)
Burundi: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Congo (Democratic Republic of the): 2 [**2**].
Taphozous perforatus sudani Thomas, 1915
Congo (Democratic Republic of the): 3 [**3**].

Total Specimens for MHNG: 771

MHNN: Muséum d'Histoire Naturelle Neuchâtel

Epomophorus angolensis Gray, 1870
Angola: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
Angola: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
Angola: 1 [**1**].

Total Specimens for MHNN: 3

MIZT: Museo ed Instituto Zoologia, Torino

Epomophorus labiatus (Temminck, 1837)
Uganda: 1 [**1**].
Nycteris macrotis Dobson, 1876
"Africa": 1 [**1**].

Total Specimens for MIZT: 2

MLZA: Lisbon Museum

Epomophorus gambianus (Ogilby, 1835)
Guinea-Bissau: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
Angola: 2 [**2**].
Myonycteris brachycephala (Bocage, 1889)
São Tomé and Principé: 1 [**1**].

Total Specimens for MLZA: 4

MMF: Municipal Museum Funchal

Pipistrellus maderensis (Dobson, 1878)
Madeira (Portugal): 1 [**1**].

Total Specimens for MMF: 1

MMK: Macgregor Museum, Kimberly

Chaerephon nigeriae Thomas, 1913
Zambia: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Zambia: 1 [**1**].
CHIROPTERA Blumenbach, 1779
"Africa": 5 [**5**].
Cistugo lesueuri Roberts, 1919
South Africa: 1 [**1**].
Cistugo seabrae Thomas, 1912
South Africa: 1 [**1**].
Eidolon helvum (Kerr, 1792)
South Africa: 3 [**3**].
Eptesicus hottentotus (A. Smith, 1833)
South Africa: 8 [**8**].
Miniopterus natalensis (A. Smith, 1833)
South Africa: 6 [**6**].
MOLOSSIDAE Gervais, 1856
"Africa": 2 [**2**].
Mops (Mops) condylurus (A. Smith, 1833)
Zambia: 1 [**1**].
Myotis tricolor (Temminck, 1832)
South Africa: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
South Africa: 14 [**14**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
South Africa: 20 [**20**].
Pipistrellus rueppellii (Fischer, 1829)
South Africa: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
South Africa: 11 [**11**].
Rhinolophus damarensis Roberts, 1946
South Africa: 14 [**14**].
Rhinolophus denti Thomas, 1904
South Africa: 2 [**2**].
Sauromys petrophilus (Roberts, 1917)
South Africa: 14 [**14**].
Scotophilus dinganii (A. Smith, 1833)
South Africa: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
"Africa": 47, Namibia: 5, South Africa: 3, Zimbabwe: 2 [**57**].

Total Specimens for MMK: 164

MMU: Maasai Mara University

Cardioderma cor (Peters, 1872)
Kenya: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
Kenya: 2 [**2**].
Coleura afra (Peters, 1852)
Kenya: 7 [**7**].
Epomophorus labiatus (Temminck, 1837)
Kenya: 6 [**6**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 6 [**6**].
Glauconycteris humeralis J.A. Allen, 1917
Kenya: 1 [**1**].
Hipposideros beatus (K. Andersen, 1906)
Kenya: 3 [**3**].
Hipposideros caffer (Sundevall, 1846)
Kenya: 38 [**38**].
Hipposideros ruber (Noack, 1893)
Kenya: 12 [**12**].
Laephotis wintoni Thomas, 1901
Kenya: 1 [**1**].

Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Kenya: 11 [**11**].
Micropteropus pusillus (Peters, 1868)
Kenya: 1 [**1**].
Miniopterus Bonaparte, 1837
Kenya: 1 [**1**].
Miniopterus africanus Sanborn, 1936
Kenya: 20 [**20**].
Miniopterus fraterculus Thomas and Schwann, 1906
Kenya: 6 [**6**].
Miniopterus inflatus rufus Sanborn, 1936
Kenya: 31 [**31**].
Miniopterus natalensis (A. Smith, 1833)
Kenya: 42 [**42**].
Myonycteris angolensis (Bocage, 1898)
Kenya: 2 [**2**].
Myotis bocagii (Peters, 1870)
Kenya: 1 [**1**].
Myotis tricolor (Temminck, 1832)
Kenya: 3 [**3**].
Neoromicia Roberts, 1926
Kenya: 3 [**3**].
Neoromicia capensis (A. Smith, 1829)
Kenya: 16 [**16**].
Neoromicia nana (Peters, 1852)
Kenya: 2 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
Kenya: 8 [**8**].
Nycteris aurita (K. Andersen, 1912)
Kenya: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Kenya: 5 [**5**].
Pipistrellus rueppellii (Fischer, 1829)
Kenya: 2 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
Kenya: 8 [**8**].
Rhinolophus eloquens K. Andersen, 1905
Kenya: 39 [**39**].
Rhinolophus lobatus Peters, 1852
Kenya: 36 [**36**].
Scotophilus dinganii (A. Smith, 1833)
Kenya: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
Kenya: 1 [**1**].
Tadarida lobata (Thomas, 1891)
Kenya: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Kenya: 1 [**1**].

Total Specimens for MMU: 320

MNCN: Museo Nacional de Ciencias Naturales

Hipposideros tephrus (Cabrera, 1906)
Morocco: 2 [**2**].
Hypsugo savii (Bonaparte, 1837)
Spain: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
Equatorial Guinea: 1 [**1**].
Myonycteris angolensis angolensis (Bocage, 1898)
Equatorial Guinea: 1 [**1**].

Total Specimens for MNCN: 5

MNH: Museo de La Naturaleza e El Hombre, Santa Cruz de Tenerife

Barbastella barbastellus (Schreber, 1774)
Spain: 3 [**3**].

Total Specimens for MNH: 3

MNHN: Museum National d'Histoire Naturelle

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
"Africa": 5, Algeria: 24, Congo (Democratic Republic of the): 18, Egypt: 5, Mali: 6, Mauritania: 4, Morocco: 23, Niger: 3, Senegal: 9, Sudan: 1, Tanzania: 1, Tunisia: 3 [**102**].
Cardioderma cor (Peters, 1872)
"Africa": 1, Ethiopia: 15, Tanzania: 6 [**22**].
Casinycteris argynnis Thomas, 1910
Central African Republic: 1 [**1**].
Casinycteris campomaanensis Hassanin, 2014
Cameroon: 1 [**1**].
Chaerephon Dobson, 1874
Central African Republic: 1, Chad: 3, Madagascar: 1 [**5**].
Chaerephon ansorgei (Thomas, 1913)
Zimbabwe: 2 [**2**].
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
Madagascar: 5 [**5**].
Chaerephon leucogaster (A. Grandidier, 1869)
Madagascar: 5, Mali: 1 [**6**].
Chaerephon major (Trouessart, 1897)
Central African Republic: 1, Mali: 2 [**3**].
Chaerephon nigeriae Thomas, 1913
"Africa": 1, Central African Republic: 67, Congo (Democratic Republic of the): 2 [**70**].
Chaerephon pumilus (Cretzschmar, 1826)
"Africa": 23, Benin: 1, Botswana: 2, Burundi: 1, Cameroon: 2, Central African Republic: 31, Chad: 1, Comoros: 2, Congo: 30, Côte d'Ivoire: 2, Gabon: 4, Guinea: 1, Kenya: 2, Madagascar: 38, Mali: 18, Mayotte: 2, Niger: 1, Senegal: 17, South Africa: 12, Tanzania: 7 [**197**].
Coleura afra (Peters, 1852)
Central African Republic: 93, Côte d'Ivoire: 2, Djibouti: 1, Guinea-Bissau: 1, Tanzania: 1 [**98**].
Coleura seychellensis Peters, 1868
"Africa": 1, Seychelles: 6 [**7**].
Doryrhina cyclops (Temminck, 1853)
"Africa": 3, Cameroon: 1, Central African Republic: 8, Congo: 1, Côte d'Ivoire: 4, Gabon: 5, Guinea: 1 [**23**].
Eidolon dupreanum (Schegel, 1867)
"Africa": 3, Madagascar: 21 [**24**].
Eidolon helvum (Kerr, 1792)
"Africa": 11, Cameroon: 6, Central African Republic: 6, Congo: 2, Congo (Democratic Republic of the): 12, Côte d'Ivoire: 10, Ethiopia: 1, Guinea: 4, Madagascar: 3, Mauritania: 4, Niger: 2, São Tomé and Principé: 3, Senegal: 2, Tanzania: 13, Togo: 14 [**93**].
Eidolon helvum helvum (Kerr, 1792)
Benin: 1, Cameroon: 9, Chad: 2, Congo (Democratic Republic of the): 2, Guinea: 1, Mali: 4, Niger: 3, Tanzania: 2 [**24**].
Epomophorus Bennett, 1836
"Africa": 5, Benin: 1, Central African Republic: 1, Congo (Democratic Republic of the): 11, Liberia: 3, Senegal: 14, Zambia: 1 [**36**].
Epomophorus anselli Bergmans and Van Strien, 2004
Congo (Democratic Republic of the): 1 [**1**].
Epomophorus crypturus Peters, 1852
"Africa": 2, Central African Republic: 1, Congo (Democratic Republic of the): 54, Zimbabwe: 15 [**72**].
Epomophorus gambianus (Ogilby, 1835)
"Africa": 11, Burkina Faso: 2, Central African Republic: 7, Chad: 1, Côte d'Ivoire: 4, Ethiopia: 5, Gabon: 1, Guinea: 24, Liberia: 6, Mali: 62, Niger: 3, Senegal: 15, Togo: 1, Zimbabwe: 2 [**144**].
Epomophorus gambianus gambianus (Ogilby, 1835)
"Africa": 1, Ethiopia: 3, Guinea: 1, Mali: 7, Niger: 1, Zimbabwe: 1 [**14**].
Epomophorus gambianus pousarguesi Trouessart, 1904
Central African Republic: 4 [**4**].
Epomophorus labiatus (Temminck, 1837)
"Africa": 11, Congo (Democratic Republic of the): 3, Djibouti: 1, Ethiopia: 9, Malawi: 12, Sudan: 1, Tanzania: 3, Zimbabwe: 8 [**48**].
Epomophorus minimus Claessen & De Vree, 1991
Congo (Democratic Republic of the): 5, Ethiopia: 1 [**6**].
Epomophorus wahlbergi (Sundevall, 1846)
Congo (Democratic Republic of the): 11, Gabon: 3, Tanzania: 1 [**15**].
Epomops Gray, 1866
"Africa": 1, Côte d'Ivoire: 2, Gabon: 1, Niger: 1 [**5**].
Epomops buettikoferi (Matschie, 1899)
Côte d'Ivoire: 54, Guinea: 60, Liberia: 21 [**135**].
Epomops franqueti (Tomes, 1860)
"Africa": 5, Cameroon: 50, Central African Republic: 32, Congo: 21, Côte d'Ivoire: 22, Equatorial Guinea: 2, Gabon: 14, Guinea-Bissau: 1 [**147**].
Eptesicus Rafinesque, 1820
Gabon: 1 [**1**].
Eptesicus bottae (Peters, 1869)
Yemen: 1 [**1**].
Eptesicus isabellinus (Temminck, 1840)
Algeria: 2, Morocco: 1, Tunisia: 1 [**4**].

Glauconycteris Dobson, 1875
Guinea: 4 [**4**].
Glauconycteris alboguttata J.A. Allen, 1917
Congo (Democratic Republic of the): 4 [**4**].
Glauconycteris argentata (Dobson, 1875)
"Africa": 1, Congo: 1, Congo (Democratic Republic of the): 5 [**7**].
Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
Congo (Democratic Republic of the): 5 [**5**].
Glauconycteris beatrix Thomas, 1901
Congo (Democratic Republic of the): 9 [**9**].
Glauconycteris curryae Eger and Schlitter, 2001
Congo (Democratic Republic of the): 5 [**5**].
Glauconycteris egeria Thomas, 1913
Central African Republic: 2 [**2**].
Glauconycteris humeralis J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Glauconycteris poensis (Gray, 1842)
Senegal: 1 [**1**].
Glauconycteris superba Hayman, 1939
Congo (Democratic Republic of the): 5 [**5**].
Glauconycteris variegata (Tomes, 1861)
Benin: 2, Cameroon: 5, Central African Republic: 1, Congo: 2, Gabon: 1, Senegal: 2 [**13**].
HIPPOSIDERIDAE Lydekker, 1891
Namibia: 1 [**1**].
Hipposideros Gray, 1831
Guinea: 1, Liberia: 2, Madagascar: 7 [**10**].
Hipposideros abae J.A. Allen, 1917
"Africa": 1, Central African Republic: 31, Côte d'Ivoire: 2, Togo: 1 [**35**].
Hipposideros beatus (K. Andersen, 1906)
Benin: 2, Central African Republic: 26, Côte d'Ivoire: 9, Gabon: 1, Guinea: 2, Senegal: 1 [**41**].
Hipposideros caffer (Sundevall, 1846)
"Africa": 17, Benin: 3, Botswana: 2, Cameroon: 2, Central African Republic: 8, Congo: 22, Congo (Democratic Republic of the): 1, Gabon: 81, Guinea: 14, Kenya: 7, Liberia: 1, Mali: 1, Niger: 2, Senegal: 86, Tanzania: 6, Zambia: 1, Zimbabwe: 1 [**255**].
Hipposideros curtus G.M. Allen, 1921
"Africa": 2 [**2**].
Hipposideros fuliginosus (Temminck, 1853)
Cameroon: 2, Central African Republic: 2, Gabon: 1, Guinea: 7, São Tomé and Principé: 1, Senegal: 1 [**14**].
Hipposideros jonesi Hayman, 1947
Mali: 1 [**1**].
Hipposideros lamottei Brosset, 1985
Guinea: 5 [**5**].
Hipposideros marisae Aellen, 1954
Guinea: 1 [**1**].
Hipposideros megalotis (Heuglin, 1861)
Kenya: 1 [**1**].
Hipposideros ruber (Noack, 1893)
"Africa": 6, Cameroon: 19, Central African Republic: 167, Congo: 2, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 9, Gabon: 6, Guinea: 35, Kenya: 1, Senegal: 77, Tanzania: 3, Togo: 2 [**328**].
Hipposideros tephrus (Cabrera, 1906)
Mauritania: 6, Senegal: 14 [**20**].
Hypsignathus monstrosus H. Allen, 1862
"Africa": 1, Cameroon: 6, Central African Republic: 7, Congo: 8, Côte d'Ivoire: 5, Ethiopia: 1, Gabon: 1, Guinea: 2, Liberia: 2 [**33**].
Hypsugo anchietae (Seabra, 1900)
Angola: 1 [**1**].
Hypsugo ariel (Thomas, 1904)
"Africa": 1 [**1**].
Hypsugo crassulus (Thomas, 1904)
Congo: 1 [**1**].
Hypsugo eisentrauti (Hill, 1968)
Guinea: 1 [**1**].
Hypsugo musciculus (Thomas, 1913)
Congo (Democratic Republic of the): 1, Gabon: 1 [**2**].
Hypsugo savii (Bonaparte, 1837)
Morocco: 2 [**2**].
Kerivoula Gray, 1842
Côte d'Ivoire: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
"Africa": 1, Central African Republic: 2, Côte d'Ivoire: 2, Gabon: 2, Guinea: 1 [**8**].
Kerivoula phalaena Thomas, 1912
Congo: 1, Côte d'Ivoire: 1 [**2**].
Kerivoula smithii Thomas, 1880
Central African Republic: 5 [**5**].

Lavia frons (E. Geoffroy St.-Hilaire, 1810)
"Africa": 11, Benin: 4, Cameroon: 1, Central African Republic: 2, Chad: 6, Congo (Democratic Republic of the): 4, Côte d'Ivoire: 1, Ethiopia: 5, Gabon: 1, Senegal: 7, Somalia: 2, Sudan: 3, Tanzania: 4 [**51**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 35 [**35**].
Macronycteris gigas (Wagner, 1845)
"Africa": 1, Cameroon: 3, Congo: 2, Gabon: 7, Guinea: 1, Guinea-Bissau: 2 [**16**].
Macronycteris vittatus (Peters, 1852)
"Africa": 11, Central African Republic: 5, Côte d'Ivoire: 1, Namibia: 2, São Tomé and Principé: 1, Senegal: 2, Tanzania: 8, Togo: 1 [**31**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Côte d'Ivoire: 15, Liberia: 6 [**21**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 22, Central African Republic: 3, Gabon: 21 [**46**].
Micropteropus pusillus (Peters, 1868)
"Africa": 4, Benin: 4, Cameroon: 30, Central African Republic: 3, Congo: 19, Congo (Democratic Republic of the): 55, Côte d'Ivoire: 14, Ethiopia: 5, Gabon: 6, Guinea: 44, Mali: 2, Senegal: 8 [**194**].
Mimetillus moloneyi (Thomas, 1891)
Central African Republic: 3, Gabon: 1, Guinea: 5, Tanzania: 1 [**10**].
Miniopterus Bonaparte, 1837
Madagascar: 53, South Africa: 1 [**54**].
Miniopterus griveaudi Harrison, 1959
Comoros: 5, Madagascar: 1 [**6**].
Miniopterus inflatus Thomas, 1903
Central African Republic: 5, Gabon: 15, Guinea: 6 [**26**].
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009
Madagascar: 4 [**4**].
Miniopterus majori Thomas, 1906
"Africa": 1, Madagascar: 20 [**21**].
Miniopterus manavi Thomas, 1906
Madagascar: 6 [**6**].
Miniopterus minor Peters, 1867
"Africa": 7, Central African Republic: 21, Comoros: 5, Congo: 1, Madagascar: 125, São Tomé and Principé: 1 [**160**].
Miniopterus natalensis (A. Smith, 1833)
Congo (Democratic Republic of the): 2, Namibia: 1, South Africa: 1 [**4**].
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Madagascar: 1 [**1**].
Miniopterus schreibersii (Kuhl, 1817)
Algeria: 2, Morocco: 6 [**8**].
MOLOSSIDAE Gervais, 1856
Guinea: 1 [**1**].
Mops Lesson, 1842
"Africa": 1, Congo: 2, Madagascar: 1, South Africa: 1 [**5**].
Mops (Mops) condylurus (A. Smith, 1833)
"Africa": 4, Cameroon: 4, Central African Republic: 331, Congo: 2, Côte d'Ivoire: 7, Equatorial Guinea: 2, Guinea-Bissau: 2, Madagascar: 39, Mali: 11, Senegal: 19, South Africa: 11, Sudan: 2, Togo: 3 [**437**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
Madagascar: 5 [**5**].
Mops (Mops) midas (Sundevall, 1843)
Madagascar: 1, Senegal: 2 [**3**].
Mops (Mops) midas miarensis (A. Grandidier, 1869)
Madagascar: 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Congo: 5, Congo (Democratic Republic of the): 1, Guinea: 1, Tanzania: 2 [**9**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
"Africa": 1, Central African Republic: 1, Gabon: 1 [**3**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Gabon: 1 [**1**].
Mormopterus acetabulosus (Hermann, 1804)
"Africa": 2, Madagascar: 1, Mauritius: 11, South Africa: 1 [**15**].
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Réunion: 88 [**88**].
Mormopterus jugularis (Peters, 1865)
Madagascar: 129 [**129**].
Myonycteris angolensis (Bocage, 1898)
Cameroon: 2, Congo: 3, Congo (Democratic Republic of the): 6, Côte d'Ivoire: 4, Ethiopia: 1, Guinea: 6, Liberia: 14, Senegal: 2 [**38**].
Myonycteris angolensis angolensis (Bocage, 1898)
Cameroon: 11 [**11**].
Myonycteris angolensis petraea (Bergmans, 1997)
Ethiopia: 13 [**13**].
Myonycteris leptodon K. Andersen, 1908
Côte d'Ivoire: 38, Guinea: 30, Liberia: 24 [**92**].
Myonycteris torquata (Dobson, 1878)
"Africa": 3, Cameroon: 33, Central African Republic: 53, Chad: 1, Congo: 5, Congo (Democratic Republic of the): 5, Gabon: 18 [**118**].

Myopterus daubentonii Desmarest, 1820
"Africa": 1, Central African Republic: 1, Côte d'Ivoire: 3 [**5**].
Myopterus whitleyi (Scharff, 1900)
Gabon: 1, Uganda: 1 [**2**].
Myotis Kaup, 1829
Morocco: 1, Tanzania: 2 [**3**].
Myotis anjouanensis (Dorst, 1960)
"Africa": 8, Comoros: 6 [**14**].
Myotis bocagii (Peters, 1870)
"Africa": 12, Central African Republic: 1, Congo: 1, Gabon: 5, Guinea: 1 [**20**].
Myotis dieteri M. Happold, 2005
Congo: 1 [**1**].
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
France: 1, Morocco: 1 [**2**].
Myotis goudoti (A. Smith, 1834)
"Africa": 5, Madagascar: 37 [**42**].
Myotis punicus Felten, 1977
Algeria: 6, Morocco: 16, Tunisia: 6 [**28**].
Myotis tricolor (Temminck, 1832)
"Africa": 1, Ethiopia: 1 [**2**].
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878
Madagascar: 6 [**6**].
Nanonycteris veldkampii (Jentink, 1888)
Cameroon: 3, Central African Republic: 2, Congo (Democratic Republic of the): 3, Côte d'Ivoire: 13, Guinea: 16, Liberia: 5 [**42**].
Neoromicia Roberts, 1926
Central African Republic: 4 [**4**].
Neoromicia capensis (A. Smith, 1829)
"Africa": 1, Ethiopia: 3, Madagascar: 7, South Africa: 3, Zimbabwe: 2 [**16**].
Neoromicia flavescens (Seabra, 1900)
Angola: 2, Ethiopia: 2 [**4**].
Neoromicia guineensis (Bocage, 1889)
Cameroon: 1, Central African Republic: 1, Congo: 1, Côte d'Ivoire: 1, Guinea: 3 [**7**].
Neoromicia humbloti (A. Milne-Edwards, 1881)
Madagascar: 9 [**9**].
Neoromicia matroka (Thomas and Schwann, 1905)
Madagascar: 1 [**1**].
Neoromicia nana (Peters, 1852)
"Africa": 2, Benin: 4, Cameroon: 1, Central African Republic: 139, Congo: 13, Congo (Democratic Republic of the): 16, Côte d'Ivoire: 12, Djibouti: 1, Equatorial Guinea: 1, Ethiopia: 5, Gabon: 18, Guinea: 7, Liberia: 1, Madagascar: 6, Mozambique: 4, Réunion: 1, Senegal: 7, South Africa: 3, Tanzania: 3, Zimbabwe: 12 [**256**].
Neoromicia rendalli (Thomas, 1889)
"Africa": 1, Benin: 1, Central African Republic: 1, Malawi: 1, Mali: 1 [**5**].
Neoromicia somalica (Thomas, 1901)
Madagascar: 1, Sudan: 2 [**3**].
Neoromicia tenuipinnis (Peters, 1872)
Central African Republic: 1, Congo: 3, Gabon: 2, Guinea: 1 [**7**].
Nyctalus azoreum (Thomas, 1901)
Portugal: 1 [**1**].
Nyctalus leisleri (Kuhl, 1817)
"Africa": 4, Madeira (Portugal): 2 [**6**].
Nycteris G. Cuvier and E. Geoffroy, 1795
"Africa": 1, Congo: 1, Ethiopia: 1, Tanzania: 1 [**4**].
Nycteris arge Thomas, 1903
"Africa": 1, Cameroon: 1, Guinea: 1 [**3**].
Nycteris gambiensis (K. Andersen, 1912)
Burkina Faso: 6, Cameroon: 1, Guinea-Bissau: 1, Senegal: 35 [**43**].
Nycteris grandis Peters, 1865
Cameroon: 1, Central African Republic: 1, Congo: 5, Gabon: 6, Guinea: 2 [**15**].
Nycteris hispida (Schreber, 1774)
"Africa": 8, Benin: 2, Burkina Faso: 5, Cameroon: 6, Central African Republic: 23, Congo: 6, Congo (Democratic Republic of the): 4, Côte d'Ivoire: 2, Ethiopia: 1, Gabon: 4, Guinea: 8, Guinea-Bissau: 1, Kenya: 3, Mali: 2, Senegal: 19, Sierra Leone: 1, Tanzania: 16 [**111**].
Nycteris intermedia Aellen, 1959
Guinea: 2 [**2**].
Nycteris macrotis Dobson, 1876
"Africa": 1, Benin: 1, Central African Republic: 1, Congo: 5, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 2, Guinea: 2, Mali: 1, Senegal: 49, Tanzania: 13 [**76**].
Nycteris nana (K. Andersen, 1912)
Central African Republic: 1, Côte d'Ivoire: 1 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 3, Benin: 1, Burkina Faso: 2, Central African Republic: 2, Congo (Democratic Republic of the): 11, Egypt: 6, Ethiopia: 1, Guinea: 1, Mali: 1, Namibia: 5, Senegal: 45, Somalia: 4, South Africa: 3, Tanzania: 5, Zambia: 1, Zimbabwe: 3 [**94**].

Nycticeinops schlieffenii (Peters, 1859)
"Africa": 3, Burkina Faso: 1, Cameroon: 1, Chad: 2, Ethiopia: 2, Madagascar: 3, Mali: 3, Mauritania: 30, Niger: 3, Senegal: 1 [**49**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 2 [**2**].
Otomops madagascariensis Dorst, 1953
Madagascar: 1 [**1**].
Otonycteris hemprichii Peters, 1859
"Africa": 4, Algeria: 12 [**16**].
Paratriaenops furculus (Trouessart, 1907)
Madagascar: 19 [**19**].
Paremballonura atrata (Peters, 1874)
Madagascar: 56 [**56**].
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Madagascar: 1 [**1**].
Pipistrellus Kaup, 1829
Central African Republic: 5 [**5**].
Pipistrellus grandidieri (Dobson, 1876)
Angola: 1, Tanzania: 1 [**2**].
Pipistrellus hesperidus (Temminck, 1840)
Côte d'Ivoire: 1, Djibouti: 5, Ethiopia: 1 [**7**].
Pipistrellus kuhlii (Kuhl, 1817)
Algeria: 38, Egypt: 8, Morocco: 4, Tunisia: 15 [**65**].
Pipistrellus nanulus Thomas, 1904
Benin: 1, Central African Republic: 23, Congo: 1, Gabon: 3, Senegal: 1 [**29**].
Pipistrellus pipistrellus (Schreber, 1774)
Egypt: 1, Morocco: 1, Spain: 1, Tunisia: 1 [**4**].
Pipistrellus rueppellii (Fischer, 1829)
"Africa": 1, Central African Republic: 1, Chad: 1, Egypt: 1, Uganda: 1 [**5**].
Pipistrellus rueppellii senegalensis Dorst, 1960
Senegal: 3 [**3**].
Pipistrellus rusticus (Tomes, 1861)
Central African Republic: 1, Madagascar: 1, Senegal: 1, Zimbabwe: 1 [**4**].
Platymops setiger (Peters, 1878)
Kenya: 2 [**2**].
Plecotus E. Geoffroy St.-Hilaire, 1818
Cape Verde: 1 [**1**].
Plecotus teneriffae Barrett-Hamilton, 1907
Madeira (Portugal): 1, Morocco: 1, Tunisia: 3 [**5**].
Plerotes anchietae (Seabra, 1900)
Congo (Democratic Republic of the): 1 [**1**].
PTEROPODIDAE Gray, 1821
Burkina Faso: 1, Central African Republic: 1, Gabon: 1, Madagascar: 1, Senegal: 1 [**5**].
Pteropus Erxleben, 1777
Réunion: 2, Seychelles: 1 [**3**].
Pteropus aldabrensis True, 1893
Seychelles: 1 [**1**].
Pteropus livingstonii Gray, 1866
Comoros: 6 [**6**].
Pteropus niger (Kerr, 1792)
"Africa": 1, Mauritius: 6, Réunion: 1 [**8**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
"Africa": 9, Madagascar: 30 [**39**].
Pteropus seychellensis A. Milne-Edwards, 1877
Comoros: 8, Mayotte: 6, Seychelles: 7 [**21**].
Pteropus subniger (Kerr, 1792)
"Africa": 1, Mauritius: 3 [**4**].
Rhinolophus Lacépède, 1799
Algeria: 1, Benin: 1, Central African Republic: 3, Côte d'Ivoire: 1, Kenya: 1, Morocco: 9, Tanzania: 1 [**17**].
Rhinolophus adami Aellen and Brosset, 1968
Congo: 11 [**11**].
Rhinolophus alcyone Temminck, 1853
"Africa": 1, Central African Republic: 1, Congo: 5, Gabon: 7 [**14**].
Rhinolophus blasii Peters, 1867
Congo (Democratic Republic of the): 1, Ethiopia: 9, Somalia: 1 [**11**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 8 [**8**].
Rhinolophus clivosus Cretzschmar, 1828
Algeria: 9, Cameroon: 2, Ethiopia: 6, Gabon: 1, Kenya: 5, South Africa: 2 [**25**].
Rhinolophus eloquens K. Andersen, 1905
Ethiopia: 4 [**4**].
Rhinolophus euryale Blasius, 1853
Algeria: 2, France: 1, Morocco: 3 [**6**].
Rhinolophus ferrumequinum (Schreber, 1774)
Algeria: 4, Morocco: 5, Tunisia: 1 [**10**].

Rhinolophus fumigatus Rüppell, 1842
"Africa": 3, Central African Republic: 21, Congo: 1, Ethiopia: 8, Gabon: 3, Guinea: 1, Kenya: 5, Mauritania: 1, Morocco: 1, Senegal: 2, Somalia: 4, Tanzania: 1 [**51**].
Rhinolophus guineensis Eisentraut, 1960
Guinea: 3 [**3**].
Rhinolophus hildebrandtii Peters, 1878
Congo (Democratic Republic of the): 4, Ethiopia: 2, Kenya: 1, Tanzania: 1 [**8**].
Rhinolophus hillorum Koopman, 1989
Guinea: 1 [**1**].
Rhinolophus hipposideros (Bechstein, 1800)
Algeria: 2, Morocco: 5, Tunisia: 5 [**12**].
Rhinolophus landeri Martin, 1838
"Africa": 4, Cameroon: 3, Central African Republic: 2, Ethiopia: 2, Gabon: 2, Mali: 1, Mauritania: 7 [**21**].
Rhinolophus lobatus Peters, 1852
Congo (Democratic Republic of the): 1, Kenya: 4 [**5**].
Rhinolophus maclaudi Pousargues, 1898
Guinea: 1 [**1**].
Rhinolophus mehelyi Matschie, 1901
Algeria: 4, Egypt: 1, Morocco: 15, Tunisia: 2 [**22**].
Rhinolophus silvestris Aellen, 1959
"Africa": 1, Congo: 4 [**5**].
Rhinolophus simulator K. Andersen, 1904
Guinea: 7 [**7**].
Rhinopoma cystops Thomas, 1903
"Africa": 3, Egypt: 4, Mauritania: 1, Morocco: 14, Niger: 1, Senegal: 6, Tunisia: 2 [**31**].
Rhinopoma microphyllum (Brünnich, 1782)
"Africa": 15, Egypt: 4, Mauritania: 2, Morocco: 1, Senegal: 1 [**23**].
Rousettus Gray, 1821
Gabon: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
"Africa": 27, Cameroon: 30, Congo: 6, Congo (Democratic Republic of the): 9, Côte d'Ivoire: 1, Egypt: 6, Ethiopia: 5, Gabon: 25, Guinea: 45, Liberia: 10, Senegal: 5, Tanzania: 13 [**182**].
Rousettus madagascariensis G. Grandidier, 1929
"Africa": 5, Madagascar: 18 [**23**].
Saccolaimus peli (Temminck, 1853)
"Africa": 1, Central African Republic: 1, Côte d'Ivoire: 7 [**9**].
Scotoecus albofuscus (Thomas, 1890)
Central African Republic: 3, Côte d'Ivoire: 54, Mali: 2 [**59**].
Scotoecus hindei Thomas, 1901
Tanzania: 1 [**1**].
Scotoecus hirundo (de Winton, 1899)
"Africa": 1, Central African Republic: 1, Kenya: 2, Mali: 2, Senegal: 3 [**9**].
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Central African Republic: 4, Gabon: 9 [**13**].
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Congo (Democratic Republic of the): 1 [**1**].
Scotonycteris occidentalis Hayman, 1947
Côte d'Ivoire: 2, Guinea: 1, Liberia: 5 [**8**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 11 [**11**].
Scotophilus Leach, 1821
"Africa": 4, Central African Republic: 9, Congo: 2, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 15, Guinea: 1, Madagascar: 4, Mali: 5, Senegal: 2, Sudan: 1, Zimbabwe: 2 [**46**].
Scotophilus dinganii (A. Smith, 1833)
"Africa": 1, Central African Republic: 7, Congo: 12, Mali: 5, South Africa: 4 [**29**].
Scotophilus leucogaster (Cretzschmar, 1826)
"Africa": 2, Burkina Faso: 7, Central African Republic: 16, Côte d'Ivoire: 1, Senegal: 4 [**30**].
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006
Madagascar: 1 [**1**].
Scotophilus nigrita (Schreber, 1774)
Benin: 1, Côte d'Ivoire: 2, Senegal: 1 [**4**].
Scotophilus nux Thomas, 1904
"Africa": 2 [**2**].
Scotophilus robustus A. Milne-Edwards, 1881
Madagascar: 6 [**6**].
Scotophilus viridis (Peters, 1852)
Central African Republic: 4, Côte d'Ivoire: 1 [**5**].
Tadarida Rafinesque, 1814
"Africa": 2 [**2**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Algeria: 2, Egypt: 2, Guinea: 1, Mali: 1, Sudan: 2 [**8**].
Tadarida teniotis (Rafinesque, 1814)
Algeria: 1 [**1**].
Taphozous E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Cameroon: 1, Chad: 2 [**4**].

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
"Africa": 4, Benin: 1, Cameroon: 1, Central African Republic: 4, Chad: 2, Congo (Democratic Republic of the): 1, Gabon: 1, Madagascar: 10, Malawi: 1, Mauritius: 2, Réunion: 3, Senegal: 1, Sudan: 1, Tanzania: 1 [**33**].
Taphozous nudiventris Cretzschmar, 1830
"Africa": 1, Burkina Faso: 1, Cape Verde: 6, Djibouti: 1, Niger: 1, Senegal: 1, Sudan: 2 [**13**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
"Africa": 7, Djibouti: 1, Egypt: 1, Mauritania: 1, Senegal: 15 [**25**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Senegal: 1, Sudan: 1 [**2**].
Triaenops afer Peters, 1877
Central African Republic: 3, Congo: 8, Tanzania: 20 [**31**].
Triaenops menamena Goodman and Ranivo, 2009
Madagascar: 25 [**25**].
VESPERTILIONIDAE Gray, 1821
Algeria: 2, Morocco: 1, Sudan: 1 [**4**].
Vespertilioninae Gray, 1821
"Africa": 2, Djibouti: 5, Madagascar: 1, Niger: 1 [**9**].

Total Specimens for MNHN: 5899

MSB: Museum of Southwestern Biology

Casinycteris argynnis Thomas, 1910
Congo (Democratic Republic of the): 1 [**1**].
Chaerephon ansorgei (Thomas, 1913)
Congo (Democratic Republic of the): 58 [**58**].
Chaerephon pumilus (Cretzschmar, 1826)
Congo (Democratic Republic of the): 103, Zambia: 1 [**104**].
Cloeotis percivali Thomas, 1901
Zambia: 107 [**107**].
Doryrhina cyclops (Temminck, 1853)
Cameroon: 17 [**17**].
Eidolon helvum (Kerr, 1792)
Equatorial Guinea: 2 [**2**].
Epomophorus wahlbergi (Sundevall, 1846)
South Africa: 1, Zambia: 1 [**2**].
Epomops franqueti (Tomes, 1860)
Congo (Democratic Republic of the): 1, Equatorial Guinea: 2, Nigeria: 1, Zambia: 1 [**5**].
Glauconycteris beatrix Thomas, 1901
Congo (Democratic Republic of the): 1 [**1**].
Glauconycteris poensis (Gray, 1842)
Cameroon: 1 [**1**].
Hipposideros Gray, 1831
Zambia: 1 [**1**].
Hipposideros beatus (K. Andersen, 1906)
Cameroon: 5 [**5**].
Hipposideros caffer (Sundevall, 1846)
"Africa": 2, Equatorial Guinea: 2, Zambia: 172 [**176**].
Hypsignathus monstrosus H. Allen, 1862
Equatorial Guinea: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
Cameroon: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
Zambia: 5 [**5**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 1, Congo (Democratic Republic of the): 15, Equatorial Guinea: 2 [**18**].
Micropteropus pusillus (Peters, 1868)
Congo (Democratic Republic of the): 37, Equatorial Guinea: 2 [**39**].
Miniopterus inflatus inflatus Thomas, 1903
Equatorial Guinea: 2 [**2**].
Miniopterus natalensis (A. Smith, 1833)
Kenya: 1, South Africa: 1, Zambia: 113 [**115**].
Mops (Mops) condylurus (A. Smith, 1833)
Congo (Democratic Republic of the): 5 [**5**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Congo (Democratic Republic of the): 2 [**2**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Congo (Democratic Republic of the): 6 [**6**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Equatorial Guinea: 5 [**5**].
Myonycteris torquata (Dobson, 1878)
Equatorial Guinea: 2 [**2**].
Myopterus whitleyi (Scharff, 1900)
Congo (Democratic Republic of the): 1 [**1**].

Myotis bocagii (Peters, 1870)
Congo (Democratic Republic of the): 7, Equatorial Guinea: 1 [**8**].
Neoromicia capensis (A. Smith, 1829)
Zambia: 1 [**1**].
Neoromicia nana (Peters, 1852)
Congo (Democratic Republic of the): 1, Equatorial Guinea: 1, Zambia: 1 [**3**].
Neoromicia tenuipinnis (Peters, 1872)
Congo (Democratic Republic of the): 1 [**1**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Zambia: 2 [**2**].
Nycteris grandis Peters, 1865
Cameroon: 2 [**2**].
Nycteris hispida (Schreber, 1774)
Congo (Democratic Republic of the): 1, Equatorial Guinea: 2, Zambia: 1 [**4**].
Nycteris macrotis Dobson, 1876
Zambia: 3 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Zambia: 53 [**53**].
Nycteris woodi K. Andersen, 1914
Zambia: 7 [**7**].
Pipistrellus nanulus Thomas, 1904
Equatorial Guinea: 2 [**2**].
Rhinolophus Lacépède, 1799
Equatorial Guinea: 1, Zambia: 4 [**5**].
Rhinolophus alcyone Temminck, 1853
Equatorial Guinea: 2 [**2**].
Rhinolophus blasii Peters, 1867
Zambia: 50 [**50**].
Rhinolophus landeri Martin, 1838
Equatorial Guinea: 2 [**2**].
Rhinolophus rhodesiae Roberts, 1946
Zambia: 51 [**51**].
Rhinolophus simulator K. Andersen, 1904
Zambia: 90 [**90**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Equatorial Guinea: 2, South Africa: 1, Zambia: 4 [**7**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 6 [**6**].
Scotophilus dinganii (A. Smith, 1833)
Congo (Democratic Republic of the): 10, Zambia: 1 [**11**].
Tadarida Rafinesque, 1814
Tanzania: 2, Zambia: 6 [**8**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
South Africa: 1 [**1**].
Taphozous E. Geoffroy St.-Hilaire, 1818
Zambia: 4 [**4**].

Total Specimens for MSB: 1005

MSNG: Museo Civico di Storia Naturale "Giacomo Doria"

Asellia italosomalica de Beaux, 1931
Somalia: 1 [**1**].
Asellia patrizii de Beaux, 1931
Eritrea: 2 [**2**].
Epomophorus labiatus (Temminck, 1837)
Eritrea: 2, Ethiopia: 2 [**4**].
Nycteris hispida (Schreber, 1774)
South Africa: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Angola: 1, Eritrea: 1 [**2**].
Otonycteris hemprichii Peters, 1859
Algeria: 1 [**1**].
Paratriaenops furculus (Trouessart, 1907)
Madagascar: 2 [**2**].
Plecotus christii Gray, 1838
Egypt: 2, Libya: 5 [**7**].
Rhinolophus clivosus Cretzschmar, 1828
Egypt: 2, Eritrea: 2, Ethiopia: 3, Lesotho: 3, Mozambique: 1, South Africa: 3, Sudan: 1 [**15**].
Tadarida teniotis (Rafinesque, 1814)
Egypt: 1 [**1**].
Triaenops afer Peters, 1877
Somalia: 1 [**1**].

Total Specimens for MSNG: 37

MSNM: Museo Civico di Storia Naturale di Milano

Nycteris macrotis Dobson, 1876
Somalia: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Ethiopia: 3, Somalia: 7 [**10**].

Total Specimens for MSNM: 11

MSU: Michigan State University, Mammal Collection, The Museum

Cardioderma cor (Peters, 1872)
Kenya: 6 [**6**].
Chaerephon major (Trouessart, 1897)
South Sudan: 37, Sudan: 1 [**38**].
Chaerephon pumilus (Cretzschmar, 1826)
Kenya: 1, South Sudan: 7 [**8**].
Eidolon helvum (Kerr, 1792)
Sudan: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
Sierra Leone: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Kenya: 1, South Sudan: 33 [**34**].
Epomops franqueti (Tomes, 1860)
Tanzania: 1 [**1**].
Glauconycteris Dobson, 1875
Kenya: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
South Sudan: 3 [**3**].
Hipposideros caffer (Sundevall, 1846)
Kenya: 2, Zambia: 34 [**36**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Kenya: 6 [**6**].
Macronycteris gigas (Wagner, 1845)
Ghana: 1 [**1**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Ghana: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
South Sudan: 9 [**9**].
Miniopterus Bonaparte, 1837
Kenya: 1 [**1**].
MOLOSSIDAE Gervais, 1856
Uganda: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
South Sudan: 6 [**6**].
Neoromicia capensis (A. Smith, 1829)
Kenya: 1, South Sudan: 6 [**7**].
Neoromicia somalica (Thomas, 1901)
South Sudan: 14 [**14**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Kenya: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
South Sudan: 1, Zambia: 17 [**18**].
Pipistrellus Kaup, 1829
Namibia: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
South Sudan: 2 [**2**].
PTEROPODIDAE Gray, 1821
Kenya: 1 [**1**].
Rhinolophus Lacépède, 1799
Kenya: 1 [**1**].
Rhinolophus lobatus Peters, 1852
Zambia: 1 [**1**].
Sauromys petrophilus (Roberts, 1917)
Namibia: 2 [**2**].
Scotoecus hirundo (de Winton, 1899)
Kenya: 1, South Sudan: 1 [**2**].
Scotophilus Leach, 1821
South Sudan: 2, Sudan: 3 [**5**].
Scotophilus dinganii (A. Smith, 1833)
Kenya: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
Kenya: 1 [**1**].

Scotophilus nigrita (Schreber, 1774)
Kenya: 1, South Sudan: 62, Sudan: 2 [**65**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Namibia: 3, Tanzania: 1 [**4**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Kenya: 7 [**7**].

Total Specimens for MSU: 287

MUB: Masaryk University Brno, Department of Botany and Zoology

Otonycteris hemprichii Peters, 1859
Algeria: 2 [**2**].
Rhinolophus blasii Peters, 1867
Algeria: 15 [**15**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 2 [**2**].

Total Specimens for MUB: 19

MVZ: Museum of Vertebrate Zoology, Univ. California, Berkeley

Chaerephon aloysiisabaudiae (Festa, 1907)
Uganda: 1 [**1**].
Chaerephon major (Trouessart, 1897)
Niger: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Botswana: 10, Ethiopia: 2, Niger: 2, South Africa: 2, Uganda: 1 [**17**].
Eidolon helvum (Kerr, 1792)
Cameroon: 3, Uganda: 1 [**4**].
Eidolon helvum helvum (Kerr, 1792)
Cameroon: 1, Niger: 1 [**2**].
Epomophorus gambianus (Ogilby, 1835)
Ghana: 8, Niger: 4 [**12**].
Epomophorus labiatus (Temminck, 1837)
Ethiopia: 2, Kenya: 1 [**3**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 38, Malawi: 15, Mozambique: 9, South Africa: 4 [**66**].
Epomops franqueti (Tomes, 1860)
Angola: 1, Ghana: 19 [**20**].
Hipposideros caffer (Sundevall, 1846)
Zambia: 23 [**23**].
Hipposideros ruber (Noack, 1893)
Liberia: 2, Niger: 2, Uganda: 1 [**5**].
Hipposideros tephrus (Cabrera, 1906)
Niger: 11 [**11**].
Kerivoula argentata Tomes, 1861
Malawi: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Kenya: 1, Uganda: 2 [**3**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Ghana: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Ghana: 36 [**36**].
Miniopterus africanus Sanborn, 1936
Eritrea: 17 [**17**].
Miniopterus majori Thomas, 1906
Madagascar: 2 [**2**].
Miniopterus natalensis (A. Smith, 1833)
Malawi: 2, Namibia: 1, South Africa: 23 [**26**].
Mops (Mops) condylurus (A. Smith, 1833)
Niger: 8 [**8**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Kenya: 2 [**2**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Ghana: 1 [**1**].
Neoromicia Roberts, 1926
Malawi: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Namibia: 14, South Africa: 7 [**21**].
Neoromicia helios (Heller, 1912)
Kenya: 1 [**1**].
Neoromicia nana (Peters, 1852)
Liberia: 13 [**13**].

Neoromicia rendalli (Thomas, 1889)
Niger: 1 [**1**].
Neoromicia tenuipinnis (Peters, 1872)
Liberia: 3 [**3**].
Nycteris hispida (Schreber, 1774)
Ghana: 3, Liberia: 3, Uganda: 1 [**7**].
Nycteris macrotis Dobson, 1876
Ghana: 1, Kenya: 1 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Botswana: 17, Namibia: 28, South Africa: 9 [**54**].
Nycticeinops schlieffenii (Peters, 1859)
Malawi: 1 [**1**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 1 [**1**].
Otomops martiensseni (Matschie, 1897)
Malawi: 1 [**1**].
Pipistrellus Kaup, 1829
Malawi: 5 [**5**].
Pipistrellus kuhlii (Kuhl, 1817)
Egypt: 1 [**1**].
Pipistrellus rueppellii fuscipes Thomas, 1913
Uganda: 4 [**4**].
Pipistrellus rusticus (Tomes, 1861)
Botswana: 1 [**1**].
Platymops setiger (Peters, 1878)
Kenya: 1 [**1**].
Rhinolophus blasii Peters, 1867
Eritrea: 5 [**5**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 2 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
Egypt: 1, Eritrea: 7, Malawi: 8, South Africa: 56 [**72**].
Rhinolophus darlingi K. Andersen, 1905
Botswana: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
Eritrea: 2, Namibia: 9 [**11**].
Rhinolophus lobatus Peters, 1852
Malawi: 25 [**25**].
Rhinolophus simulator K. Andersen, 1904
Botswana: 4 [**4**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Malawi: 1, South Africa: 1 [**2**].
Rhinopoma cystops Thomas, 1903
Egypt: 29 [**29**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Cameroon: 3, Egypt: 1 [**4**].
Sauromys petrophilus petrophilus (Roberts, 1917)
Botswana: 2 [**2**].
Scotophilus dinganii (A. Smith, 1833)
Botswana: 8 [**8**].
Scotophilus leucogaster (Cretzschmar, 1826)
Namibia: 1, Niger: 10 [**11**].
Scotophilus nigrita (Schreber, 1774)
Senegal: 1 [**1**].
Tadarida Rafinesque, 1814
Niger: 5 [**5**].
Tadarida lobata (Thomas, 1891)
Kenya: 1 [**1**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 8 [**8**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Egypt: 1 [**1**].

Total Specimens for MVZ: 573

MWSU: Midwestern State University, Dept. Biology, Wichita Falls

Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 1, Mozambique: 6 [**7**].

Total Specimens for MWSU: 7

MZS: Musée zoologique de l'ULP (Université Louis Pasteur) et de la ville de Strasbourg

Pipistrellus permixtus Aellen, 1957
Tanzania: 1 [**1**].

Total Specimens for MZS: 1

MZUF: Museo Zoologico de "la Specola", Firenze

Epomophorus angolensis Gray, 1870
Angola: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Eritrea: 1 [**1**].
Epomophorus minimus Claessen & De Vree, 1991
Somalia: 13 [**13**].
Epomophorus wahlbergi (Sundevall, 1846)
Somalia: 5 [**5**].
Hypsugo savii (Bonaparte, 1837)
Cape Verde: 4 [**4**].
Miniopterus inflatus Thomas, 1903
Cape Verde: 2 [**2**].
Neoromicia capensis (A. Smith, 1829)
Eritrea: 1, South Africa: 1 [**2**].
Neoromicia helios (Heller, 1912)
Somalia: 1 [**1**].
Neoromicia somalica (Thomas, 1901)
"Africa": 1, Eritrea: 9 [**10**].
Neoromicia tenuipinnis (Peters, 1872)
Somalia: 2 [**2**].
Nycteris aurita (K. Andersen, 1912)
Somalia: 6 [**6**].
Nycteris hispida (Schreber, 1774)
Somalia: 2 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Eritrea: 11, Ethiopia: 4, Somalia: 6 [**21**].
Pipistrellus hesperidus (Temminck, 1840)
Cape Verde: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
Ethiopia: 1, Somalia: 1 [**2**].
Plecotus christii Gray, 1838
Egypt: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
Eritrea: 1, Ethiopia: 2 [**3**].
Rhinopoma cystops Thomas, 1903
Somalia: 10 [**10**].
Rhinopoma macinnesi Hayman, 1937
Somalia: 15 [**15**].
Triaenops afer Peters, 1877
Ethiopia: 2, Kenya: 1, Somalia: 10 [**13**].
Triaenops menamena Goodman and Ranivo, 2009
Madagascar: 1 [**1**].

Total Specimens for MZUF: 116

MZUSP: Museu de Zoologia da Universidade de São Paulo

Chaerephon pumilus (Cretzschmar, 1826)
"Africa": 5 [**5**].
Mops (Mops) condylurus (A. Smith, 1833)
"Africa": 2 [**2**].

Total Specimens for MZUSP: 7

NAU: Northern Arizona University (Museum of Vertebrates)

Neoromicia helios (Heller, 1912)
Kenya: 10 [**10**].

Total Specimens for NAU: 10

NCSM: North Carolina Museum of Natural Sciences

Micropteropus pusillus (Peters, 1868)
"Africa": 1 [**1**].

Total Specimens for NCSM: 1

NHMZ: Natural History Museum of Zimbabwe, Bulawayo

Chaerephon ansorgei (Thomas, 1913)
Zimbabwe: 22 [**22**].
Chaerephon bivittatus (Heuglin, 1861)
Malawi: 1, Zimbabwe: 10 [**11**].
Chaerephon chapini J.A. Allen, 1917
Angola: 1, Botswana: 1, Zambia: 1, Zimbabwe: 1 [**4**].
Chaerephon nigeriae Thomas, 1913
Botswana: 5, Zambia: 5, Zimbabwe: 7 [**17**].
Chaerephon pumilus (Cretzschmar, 1826)
Angola: 1, Botswana: 8, Malawi: 2, Mozambique: 9, Zambia: 5, Zimbabwe: 21 [**46**].
CHIROPTERA Blumenbach, 1779
South Africa: 1 [**1**].
Cloeotis percivali Thomas, 1901
Zambia: 11, Zimbabwe: 61 [**72**].
Eidolon helvum (Kerr, 1792)
Mozambique: 2, Zambia: 2, Zimbabwe: 12 [**16**].
Epomophorus crypturus Peters, 1852
Botswana: 8, Mozambique: 1, Zambia: 3, Zimbabwe: 22 [**34**].
Epomophorus dobsonii Bocage, 1889
Botswana: 1, Zambia: 13 [**14**].
Epomophorus labiatus (Temminck, 1837)
Tanzania: 1, Zambia: 11 [**12**].
Epomophorus wahlbergi (Sundevall, 1846)
Malawi: 1, Mozambique: 1, Zambia: 5, Zimbabwe: 8 [**15**].
Eptesicus hottentotus (A. Smith, 1833)
Namibia: 2, Zambia: 1, Zimbabwe: 21 [**24**].
Glauconycteris variegata (Tomes, 1861)
Botswana: 2, Zambia: 4, Zimbabwe: 6 [**12**].
Hipposideros caffer (Sundevall, 1846)
Angola: 1, Botswana: 1, Malawi: 1, Mozambique: 4, Zambia: 13, Zimbabwe: 458 [**478**].
Hipposideros ruber (Noack, 1893)
Zambia: 3 [**3**].
Hypsugo anchietae (Seabra, 1900)
Botswana: 1, Ethiopia: 1, Mozambique: 1, Zambia: 8, Zimbabwe: 30 [**41**].
Kerivoula argentata Tomes, 1861
Malawi: 1, Mozambique: 1, Zambia: 1, Zimbabwe: 5 [**8**].
Kerivoula lanosa (A. Smith, 1847)
Botswana: 2, South Africa: 1, Zambia: 1, Zimbabwe: 1 [**5**].
Laephotis botswanae Setzer, 1971
Botswana: 1, Zambia: 3, Zimbabwe: 7 [**11**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Zambia: 2 [**2**].
Macronycteris vittatus (Peters, 1852)
Botswana: 17, Mozambique: 6, Zambia: 30, Zimbabwe: 127 [**180**].
Mimetillus thomasi Hinton, 1920
Mozambique: 1, Zambia: 1 [**2**].
Miniopterus inflatus Thomas, 1903
Zimbabwe: 4 [**4**].
Miniopterus natalensis (A. Smith, 1833)
Mozambique: 1, South Africa: 1, Zambia: 9, Zimbabwe: 48 [**59**].
Mops (Mops) condylurus (A. Smith, 1833)
Botswana: 1, Malawi: 8, Mozambique: 8, Zambia: 3, Zimbabwe: 39 [**59**].
Mops (Mops) midas (Sundevall, 1843)
Botswana: 3, Zambia: 1, Zimbabwe: 38 [**42**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Zambia: 17 [**17**].
Myonycteris angolensis (Bocage, 1898)
Zambia: 1 [**1**].
Myonycteris angolensis goliath (Bergmans, 1997)
Mozambique: 1, Zimbabwe: 10 [**11**].
Myonycteris relicta Bergmans, 1980
Zimbabwe: 1 [**1**].
Myonycteris torquata (Dobson, 1878)
Zambia: 1 [**1**].
Myotis bocagii (Peters, 1870)
Zambia: 2, Zimbabwe: 8 [**10**].
Myotis tricolor (Temminck, 1832)
South Africa: 1, Zimbabwe: 14 [**15**].
Myotis welwitschii (Gray, 1866)
Malawi: 1, Zimbabwe: 7 [**8**].
Neoromicia capensis (A. Smith, 1829)
Botswana: 38, Mozambique: 2, Namibia: 1, South Africa: 2, Zambia: 8, Zimbabwe: 114 [**165**].

Neoromicia nana (Peters, 1852)
Botswana: 3, Malawi: 2, Mozambique: 9, Namibia: 1, Zambia: 24, Zimbabwe: 53 [**92**].
Neoromicia rendalli (Thomas, 1889)
Botswana: 1 [**1**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Botswana: 1, Zambia: 3, Zimbabwe: 2 [**6**].
Neoromicia zuluensis (Roberts, 1924)
Botswana: 4, Mozambique: 2, Namibia: 11, South Africa: 1, Zambia: 4, Zimbabwe: 35 [**57**].
Nycteris grandis Peters, 1865
Zambia: 1, Zimbabwe: 5 [**6**].
Nycteris hispida (Schreber, 1774)
Zambia: 5, Zimbabwe: 2 [**7**].
Nycteris macrotis Dobson, 1876
Botswana: 2, Malawi: 2, Zambia: 5, Zimbabwe: 7 [**16**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Botswana: 13, Mozambique: 5, South Africa: 1, Zambia: 41, Zimbabwe: 76 [**136**].
Nycteris woodi K. Andersen, 1914
Zambia: 10, Zimbabwe: 22 [**32**].
Nycticeinops schlieffenii (Peters, 1859)
"Africa": 1, Botswana: 7, Mozambique: 5, Zambia: 9, Zimbabwe: 59 [**81**].
Otomops martiensseni (Matschie, 1897)
Zimbabwe: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
Zambia: 5, Zimbabwe: 9 [**14**].
Pipistrellus rueppellii (Fischer, 1829)
Botswana: 2, Zambia: 4, Zimbabwe: 15 [**21**].
Pipistrellus rusticus (Tomes, 1861)
Botswana: 15, South Africa: 1, Zambia: 2, Zimbabwe: 25 [**43**].
Rhinolophus blasii Peters, 1867
Mozambique: 1, Zambia: 1, Zimbabwe: 27 [**29**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 4 [**4**].
Rhinolophus clivosus Cretzschmar, 1828
South Africa: 3, Zambia: 1, Zimbabwe: 40 [**44**].
Rhinolophus darlingi K. Andersen, 1905
Botswana: 4, Mozambique: 1, Zimbabwe: 59 [**64**].
Rhinolophus denti Thomas, 1904
Botswana: 4 [**4**].
Rhinolophus fumigatus Rüppell, 1842
Angola: 1, Zambia: 3, Zimbabwe: 26 [**30**].
Rhinolophus lobatus Peters, 1852
Mozambique: 4, Zambia: 1, Zimbabwe: 15 [**20**].
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Zimbabwe: 23 [**23**].
Rhinolophus rhodesiae Roberts, 1946
Zambia: 9, Zimbabwe: 24 [**33**].
Rhinolophus sakejiensis Cotterill, 2002
Zambia: 2 [**2**].
Rhinolophus simulator K. Andersen, 1904
Mozambique: 1, Zambia: 1, Zimbabwe: 22 [**24**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Botswana: 1, Malawi: 1, Mozambique: 5, Zambia: 5, Zimbabwe: 93 [**105**].
Rhinolophus swinnyi Gough, 1908
South Africa: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Mozambique: 1, South Africa: 2, Zambia: 5, Zimbabwe: 17 [**25**].
Sauromys petrophilus (Roberts, 1917)
Botswana: 1, Namibia: 1, Zimbabwe: 18 [**20**].
Scotoecus albigula Thomas, 1909
Mozambique: 1, Zambia: 9 [**10**].
Scotoecus albofuscus (Thomas, 1890)
Mozambique: 1 [**1**].
Scotoecus hindei Thomas, 1901
Mozambique: 1 [**1**].
Scotophilus Leach, 1821
"Africa": 43, Zimbabwe: 2 [**45**].
Scotophilus dinganii (A. Smith, 1833)
Botswana: 9, Mozambique: 5, Zambia: 7, Zimbabwe: 92 [**113**].
Scotophilus leucogaster (Cretzschmar, 1826)
Botswana: 6, Zambia: 3, Zimbabwe: 16 [**25**].
Scotophilus viridis (Peters, 1852)
Mozambique: 5, South Africa: 3, Zambia: 3, Zimbabwe: 9 [**20**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Botswana: 3, Mozambique: 1, South Africa: 2, Zambia: 1, Zimbabwe: 34 [**41**].
Tadarida fulminans (Thomas, 1903)
Zimbabwe: 63 [**63**].

Tadarida lobata (Thomas, 1891)
Kenya: 1, Zimbabwe: 9 [**10**].
Tadarida ventralis (Heuglin, 1861)
Zimbabwe: 3 [**3**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Botswana: 3, Malawi: 1, Mozambique: 1, Namibia: 1, South Africa: 1, Zambia: 3, Zimbabwe: 33 [**43**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Botswana: 1, Zimbabwe: 5 [**6**].
Triaenops afer Peters, 1877
Mozambique: 7, Zambia: 1, Zimbabwe: 1 [**9**].

Total Specimens for NHMZ: 2754

NM: Durban Natural Science Museum, Durban (Pringle Collection)

Chaerephon nigeriae Thomas, 1913
South Africa: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
South Africa: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
South Africa: 3 [**3**].
Neoromicia nana (Peters, 1852)
South Africa: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
South Africa: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
South Africa: 6 [**6**].

Total Specimens for NM: 13

NMB: National Museum of Bloemfontein

Cistugo lesueuri Roberts, 1919
Lesotho: 49, South Africa: 16 [**65**].
Eidolon helvum (Kerr, 1792)
"Africa": 1, South Africa: 9 [**10**].
Epomophorus wahlbergi (Sundevall, 1846)
South Africa: 1 [**1**].
Eptesicus hottentotus (A. Smith, 1833)
Lesotho: 5, South Africa: 1 [**6**].
Hipposideros caffer (Sundevall, 1846)
Swaziland: 5 [**5**].
Laephotis wintoni Thomas, 1901
Lesotho: 5, South Africa: 2 [**7**].
Miniopterus natalensis (A. Smith, 1833)
Lesotho: 2, South Africa: 145 [**147**].
Myotis tricolor (Temminck, 1832)
Lesotho: 10, South Africa: 10 [**20**].
Myotis welwitschii (Gray, 1866)
South Africa: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Lesotho: 12, South Africa: 285, Swaziland: 2 [**299**].
Neoromicia nana (Peters, 1852)
Swaziland: 7 [**7**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 1, South Africa: 5 [**6**].
Pipistrellus Kaup, 1829
South Africa: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
Lesotho: 21, South Africa: 118 [**139**].
Rhinolophus damarensis Roberts, 1946
South Africa: 1 [**1**].
Rhinolophus darlingi K. Andersen, 1905
Lesotho: 2 [**2**].
Rhinolophus denti Thomas, 1904
South Africa: 18 [**18**].
Scotophilus dinganii (A. Smith, 1833)
South Africa: 1, Swaziland: 4 [**5**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Lesotho: 2, South Africa: 95 [**97**].

Total Specimens for NMB: 837

NMBA: Naturhistorisches Museum, Basel

Coleura afra (Peters, 1852)
Guinea-Bissau: 2 [**2**].
Epomophorus wahlbergi (Sundevall, 1846)
Congo (Democratic Republic of the): 2 [**2**].
Epomops buettikoferi (Matschie, 1899)
Ghana: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
Guinea-Bissau: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
Angola: 3 [**3**].
Mops (Mops) condylurus (A. Smith, 1833)
Guinea-Bissau: 3 [**3**].
Nycteris macrotis Dobson, 1876
Guinea-Bissau: 1 [**1**].

Total Specimens for NMBA: 14

NMBE: Naturhistorisches Museum, Bern

Coleura afra (Peters, 1852)
"Africa": 2 [**2**].
Epomophorus labiatus (Temminck, 1837)
Tanzania: 2 [**2**].
Mops (Mops) condylurus (A. Smith, 1833)
"Africa": 3 [**3**].
Neoromicia nana (Peters, 1852)
Sierra Leone: 4 [**4**].
Neoromicia tenuipinnis (Peters, 1872)
"Africa": 7 [**7**].
Nycteris hispida (Schreber, 1774)
Sierra Leone: 2 [**2**].
Nycteris macrotis Dobson, 1876
"Africa": 1 [**1**].

Total Specimens for NMBE: 21

NMK: National Museum of Kenya, Nairobi

Coleura afra (Peters, 1852)
Kenya: 15, Tanzania: 6 [**21**].
Eidolon helvum (Kerr, 1792)
Kenya: 1 [**1**].
Hypsignathus monstrosus H. Allen, 1862
Kenya: 2 [**2**].
Mops rusingae (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)
"Africa": 1 [**1**].
Myotis bocagii (Peters, 1870)
Kenya: 6 [**6**].
Myotis welwitschii (Gray, 1866)
Kenya: 1 [**1**].
Neoromicia tenuipinnis (Peters, 1872)
Kenya: 1 [**1**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 6 [**6**].
Pteropus seychellensis A. Milne-Edwards, 1877
Tanzania: 1 [**1**].
Scotoecus hirundo (de Winton, 1899)
Kenya: 1 [**1**].
Taphozous hamiltoni Thomas, 1920
Kenya: 3 [**3**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Uganda: 2 [**2**].

Total Specimens for NMK: 46

NMMB: National Museum of Malawi

Epomophorus anselli Bergmans and Van Strien, 2004
Malawi: 4 [**4**].
Epomophorus crypturus Peters, 1852
Malawi: 14 [**14**].
Epomophorus labiatus (Temminck, 1837)
Malawi: 11 [**11**].

Epomophorus wahlbergi (Sundevall, 1846)
Malawi: 3 [**3**].
Tadarida ventralis (Heuglin, 1861)
Malawi: 1 [**1**].

Total Specimens for NMMB: 33

NMP: National Museum (Natural History), Prague

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Egypt: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Ethiopia: 10 [**10**].
Eptesicus isabellinus (Temminck, 1840)
Libya: 8, Morocco: 2 [**10**].
Hipposideros abae J.A. Allen, 1917
Benin: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
Tanzania: 3 [**3**].
Hipposideros jonesi Hayman, 1947
Benin: 1 [**1**].
Hipposideros ruber (Noack, 1893)
Benin: 3, Malawi: 1 [**4**].
Hipposideros tephrus (Cabrera, 1906)
Morocco: 2 [**2**].
Hypsugo ariel (Thomas, 1904)
Egypt: 1 [**1**].
Laephotis botswanae Setzer, 1971
Namibia: 1, Zambia: 1 [**2**].
Miniopterus africanus Sanborn, 1936
Ethiopia: 2 [**2**].
Miniopterus horaceki Gunnell, Eiting, and Geraads, 2011
Libya: 5 [**5**].
Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Morocco: 15 [**15**].
Miniopterus natalensis (A. Smith, 1833)
Ethiopia: 2 [**2**].
Miniopterus schreibersii (Kuhl, 1817)
Morocco: 16 [**16**].
Neoromicia capensis (A. Smith, 1829)
Namibia: 1, South Africa: 1, Zambia: 1 [**3**].
Neoromicia nana (Peters, 1852)
Congo (Democratic Republic of the): 1, Namibia: 1, Zambia: 2 [**4**].
Neoromicia somalica (Thomas, 1901)
Ethiopia: 3 [**3**].
Neoromicia zuluensis (Roberts, 1924)
Namibia: 2, South Africa: 1 [**3**].
Nyctalus leisleri (Kuhl, 1817)
Morocco: 8 [**8**].
Nycteris macrotis Dobson, 1876
Ethiopia: 3, Mauritania: 1 [**4**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Ethiopia: 2 [**2**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Ethiopia: 6 [**6**].
Otonycteris hemprichii Peters, 1859
Egypt: 10, Libya: 2, Morocco: 4 [**16**].
Pipistrellus hanaki Hulva and Benda, 2004
Libya: 11 [**11**].
Pipistrellus hesperidus (Temminck, 1840)
Ethiopia: 9 [**9**].
Pipistrellus kuhlii (Kuhl, 1817)
Libya: 10, Morocco: 3 [**13**].
Pipistrellus pipistrellus (Schreber, 1774)
Morocco: 7 [**7**].
Pipistrellus rueppellii (Fischer, 1829)
Egypt: 2, Morocco: 1 [**3**].
Pipistrellus rusticus (Tomes, 1861)
Namibia: 5 [**5**].
Plecotus christii Gray, 1838
Egypt: 12, Libya: 2, Sudan: 1 [**15**].
Plecotus teneriffae Barrett-Hamilton, 1907
Libya: 7 [**7**].
Rhinolophus blasii Peters, 1867
Morocco: 10 [**10**].

Rhinolophus clivosus Cretzschmar, 1828
Egypt: 5, Ethiopia: 6, Malawi: 3 [**14**].
Rhinolophus ferrumequinum (Schreber, 1774)
Libya: 2, Morocco: 1 [**3**].
Rhinolophus fumigatus Rüppell, 1842
Benin: 2, Malawi: 1 [**3**].
Rhinolophus hipposideros (Bechstein, 1800)
Morocco: 3 [**3**].
Rhinolophus landeri Martin, 1838
Ethiopia: 1 [**1**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Malawi: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Libya: 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Egypt: 14 [**14**].
Scotophilus leucogaster (Cretzschmar, 1826)
Ethiopia: 1 [**1**].
Scotophilus nigrita (Schreber, 1774)
Benin: 1 [**1**].
Scotophilus nucella Robbins, 1983
Ghana: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Egypt: 6, Morocco: 1 [**7**].
Tadarida teniotis (Rafinesque, 1814)
Egypt: 7, Libya: 6, Morocco: 4 [**17**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 9, Sudan: 2 [**11**].
Triaenops afer Peters, 1877
Ethiopia: 12 [**12**].

Total Specimens for NMP: 296

NMR: Natuurhistorisch Museum Rotterdam

Miniopterus natalensis (A. Smith, 1833)
Mozambique: 1 [**1**].
Pteropus rodricensis Dobson, 1878
Mauritius: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Egypt: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
Namibia: 2 [**2**].

Total Specimens for NMR: 5

NMV: Museums Victoria

Eidolon dupreanum (Schegel, 1867)
Madagascar: 1 [**1**].
Eidolon helvum (Kerr, 1792)
Sudan: 1 [**1**].
Hipposideros ruber (Noack, 1893)
Cameroon: 3 [**3**].
Macronycteris gigas (Wagner, 1845)
Cameroon: 2 [**2**].
Miniopterus Bonaparte, 1837
Madagascar: 2 [**2**].
Myotis punicus Felten, 1977
Algeria: 1 [**1**].
Nycteris hispida (Schreber, 1774)
Nigeria: 1 [**1**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Egypt: 1 [**1**].

Total Specimens for NMV: 14

NMW: Naturhistorisches Museum, Wien

Epomophorus crypturus Peters, 1852
Tanzania: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
Ghana: 20 [**20**].

Epomophorus labiatus (Temminck, 1837)
Congo (Democratic Republic of the): 1, Ethiopia: 1, Tanzania: 2, Uganda: 1 [**5**].
Epomophorus minimus Claessen & De Vree, 1991
Ethiopia: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
Ethiopia: 1, Tanzania: 3 [**4**].
Epomops buettikoferi (Matschie, 1899)
Sierra Leone: 1 [**1**].
Epomops franqueti (Tomes, 1860)
Congo (Democratic Republic of the): 3 [**3**].
Hypsignathus monstrosus H. Allen, 1862
Congo (Democratic Republic of the): 1, Equatorial Guinea: 2, Ghana: 2 [**5**].
Kerivoula argentata Tomes, 1861
Tanzania: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
Ethiopia: 1 [**1**].
Kerivoula smithii Thomas, 1880
Congo (Democratic Republic of the): 3 [**3**].
Laephotis botswanae Setzer, 1971
Tanzania: 1 [**1**].
Miniopterus manavi Thomas, 1906
Madagascar: 3 [**3**].
Myotis welwitschii (Gray, 1866)
Kenya: 1 [**1**].
Neoromicia guineensis (Bocage, 1889)
Sudan: 1 [**1**].
Neoromicia matroka (Thomas and Schwann, 1905)
Madagascar: 1 [**1**].
Neoromicia nana (Peters, 1852)
Mozambique: 1 [**1**].
Neoromicia somalica (Thomas, 1901)
Madagascar: 1 [**1**].
Nycteris arge Thomas, 1903
Congo (Democratic Republic of the): 1 [**1**].
Nycteris grandis Peters, 1865
Congo (Democratic Republic of the): 1 [**1**].
Nycteris hispida (Schreber, 1774)
Congo (Democratic Republic of the): 3, Guinea: 1, South Sudan: 17, Sudan: 12, Tanzania: 1 [**34**].
Nycteris macrotis Dobson, 1876
Senegal: 6, Sudan: 6 [**12**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Egypt: 1, Kenya: 1, Namibia: 3, South Africa: 3, Sudan: 3 [**12**].
Otonycteris hemprichii Peters, 1859
Sudan: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
Egypt: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
Sudan: 1 [**1**].
Plecotus teneriffae Barrett-Hamilton, 1907
Libya: 17, Morocco: 12 [**29**].
Pteropus seychellensis A. Milne-Edwards, 1877
Comoros: 2, Tanzania: 1 [**3**].
Rhinolophus blasii Peters, 1867
Morocco: 36 [**36**].
Rhinolophus clivosus Cretzschmar, 1828
South Africa: 7, Tanzania: 1 [**8**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Egypt: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
South Sudan: 2 [**2**].
Tadarida teniotis (Rafinesque, 1814)
Egypt: 1, Libya: 13 [**14**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 2 [**2**].

Total Specimens for NMW: 212

NMZL: National Museum of Zambia, Livingstone

Chaerephon nigeriae Thomas, 1913
Zambia: 1 [**1**].
Chaerephon nigeriae spillmanni (Monard, 1933)
Zambia: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
Zambia: 5 [**5**].

Cloeotis percivali Thomas, 1901
Zambia: 4 [**4**].
Eidolon helvum (Kerr, 1792)
Zambia: 2 [**2**].
Epomophorus crypturus Peters, 1852
Zambia: 5 [**5**].
Epomophorus dobsonii Bocage, 1889
Zambia: 1 [**1**].
Epomophorus minor Dobson, 1880
Zambia: 6 [**6**].
Epomophorus wahlbergi (Sundevall, 1846)
Malawi: 4 [**4**].
Glauconycteris variegata (Tomes, 1861)
Zambia: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
Zambia: 7 [**7**].
Hypsugo anchietae (Seabra, 1900)
Zambia: 2 [**2**].
Kerivoula argentata Tomes, 1861
Zambia: 1 [**1**].
Laephotis angolensis Monard, 1935
Zambia: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
Zambia: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Zambia: 1 [**1**].
Miniopterus inflatus Thomas, 1903
Zambia: 2 [**2**].
Miniopterus natalensis (A. Smith, 1833)
Mozambique: 1, Zambia: 5 [**6**].
Mops (Mops) condylurus (A. Smith, 1833)
Zambia: 1 [**1**].
Mops (Mops) midas (Sundevall, 1843)
Zambia: 3 [**3**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Zambia: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
Zambia: 1 [**1**].
Myotis welwitschii (Gray, 1866)
Tanzania: 1, Zambia: 2 [**3**].
Neoromicia capensis (A. Smith, 1829)
Zambia: 11 [**11**].
Neoromicia nana (Peters, 1852)
Zambia: 7 [**7**].
Neoromicia rendalli (Thomas, 1889)
Zambia: 3 [**3**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Zambia: 1 [**1**].
Neoromicia zuluensis (Roberts, 1924)
Zambia: 2 [**2**].
Nycteris hispida (Schreber, 1774)
Zambia: 6 [**6**].
Nycteris macrotis Dobson, 1876
Zambia: 3 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Zambia: 10 [**10**].
Nycteris woodi K. Andersen, 1914
Zambia: 2 [**2**].
Nycticeinops schlieffenii (Peters, 1859)
Zambia: 4 [**4**].
Otomops martiensseni (Matschie, 1897)
Congo (Democratic Republic of the): 1, Malawi: 1 [**2**].
Pipistrellus hesperidus (Temminck, 1840)
Malawi: 1, Tanzania: 1 [**2**].
Pipistrellus rueppellii (Fischer, 1829)
Zambia: 2 [**2**].
Pipistrellus rusticus (Tomes, 1861)
Zambia: 2 [**2**].
Rhinolophus blasii Peters, 1867
Malawi: 1 [**1**].
Rhinolophus hildebrandtii Peters, 1878
Congo (Democratic Republic of the): 1 [**1**].
Rhinolophus rhodesiae Roberts, 1946
Zambia: 1 [**1**].
Rhinolophus simulator K. Andersen, 1904
Zambia: 3 [**3**].

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Malawi: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Zambia: 2 [**2**].
Scotoecus hindei Thomas, 1901
Zambia: 3 [**3**].
Scotophilus dinganii (A. Smith, 1833)
Zambia: 14 [**14**].
Scotophilus leucogaster (Cretzschmar, 1826)
Zambia: 17 [**17**].
Tadarida ventralis (Heuglin, 1861)
Zambia: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Zambia: 7 [**7**].
VESPERTILIONIDAE Gray, 1821
Zambia: 1 [**1**].

Total Specimens for NMZL: 170

NRM: Naturhistoriska Riksmuseet Stockholm

Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 2, South Africa: 2 [**4**].
Neoromicia nana (Peters, 1852)
Kenya: 14 [**14**].
Pipistrellus kuhlii (Kuhl, 1817)
Tunisia: 2 [**2**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
South Africa: 2 [**2**].

Total Specimens for NRM: 23

OMNH: Sam Noble Oklahoma Museum of Natural History

CHIROPTERA Blumenbach, 1779
Egypt: 2 [**2**].
Eidolon helvum (Kerr, 1792)
Uganda: 1 [**1**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Egypt: 20 [**20**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 1 [**1**].
Otonycteris hemprichii Peters, 1859
Egypt: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
Egypt: 8 [**8**].
Rhinopoma cystops Thomas, 1903
Egypt: 21 [**21**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 21 [**21**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Egypt: 3 [**3**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Egypt: 37 [**37**].

Total Specimens for OMNH: 115

ORSTOM: Laboratoire d'Ecologie des Mammiferes et des Oiseaux, Centre O.R.S.T.O.M. d'Adiopodoume

Eidolon helvum (Kerr, 1792)
"Africa": 3, Côte d'Ivoire: 1 [**4**].
Epomops buettikoferi (Matschie, 1899)
Côte d'Ivoire: 76 [**76**].
Epomops franqueti (Tomes, 1860)
"Africa": 6, Côte d'Ivoire: 37 [**43**].
Hypsignathus monstrosus H. Allen, 1862
Côte d'Ivoire: 12 [**12**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Côte d'Ivoire: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
"Africa": 1, Côte d'Ivoire: 30 [**31**].
Myonycteris angolensis smithii (Thomas, 1908)
Côte d'Ivoire: 5 [**5**].

Myonycteris leptodon K. Andersen, 1908
Côte d'Ivoire: 52 [**52**].
Nanonycteris veldkampii (Jentink, 1888)
Côte d'Ivoire: 20 [**20**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Côte d'Ivoire: 2 [**2**].
Scotonycteris occidentalis Hayman, 1947
Côte d'Ivoire: 1 [**1**].

Total Specimens for ORSTOM: 248

OSU: Oklahoma State University

Epomophorus crypturus Peters, 1852
Congo (Democratic Republic of the): 1 [**1**].
Epomophorus minimus Claessen & De Vree, 1991
Ethiopia: 4 [**4**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Ethiopia: 3, South Africa: 1 [**4**].

Total Specimens for OSU: 9

PCMB: Powell Cotton Museum

Epomops franqueti (Tomes, 1860)
Cameroon: 5 [**5**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 1 [**1**].
Myonycteris torquata (Dobson, 1878)
Cameroon: 1 [**1**].

Total Specimens for PCMB: 7

PSM: Slater Museum of Natural History, University of Puget Sound

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Tanzania: 1 [**1**].

Total Specimens for PSM: 1

QM: Queensland Museum

Cardioderma cor (Peters, 1872)
Kenya: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
Kenya: 2 [**2**].
Coleura afra (Peters, 1852)
Kenya: 2 [**2**].
Epomophorus crypturus Peters, 1852
Zambia: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Kenya: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
Zambia: 2 [**2**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Kenya: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
Namibia: 2 [**2**].
Miniopterus natalensis (A. Smith, 1833)
Namibia: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Kenya: 1 [**1**].
Rhinolophus lobatus Peters, 1852
Zambia: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
Namibia: 1, Zambia: 2 [**3**].
Scotophilus nigrita (Schreber, 1774)
Côte d'Ivoire: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Kenya: 3, Namibia: 1 [**4**].
Triaenops afer Peters, 1877
Kenya: 2 [**2**].

Total Specimens for QM: 28

RBINS: Royal Belgian Institute for Natural Sciences

Chaerephon aloysiisabaudiae (Festa, 1907)
Congo (Democratic Republic of the): 1 [**1**].
Chaerephon ansorgei (Thomas, 1913)
Congo (Democratic Republic of the): 14, Rwanda: 1 [**15**].
Chaerephon chapini J.A. Allen, 1917
Congo (Democratic Republic of the): 2, Rwanda: 1 [**3**].
Chaerephon major (Trouessart, 1897)
Congo (Democratic Republic of the): 4, South Sudan: 1 [**5**].
Chaerephon nigeriae Thomas, 1913
Congo (Democratic Republic of the): 2 [**2**].
Chaerephon nigeriae nigeriae Thomas, 1913
Congo (Democratic Republic of the): 4 [**4**].
Chaerephon pumilus (Cretzschmar, 1826)
Burundi: 4, Congo (Democratic Republic of the): 35 [**39**].
Cloeotis percivali Thomas, 1901
Congo (Democratic Republic of the): 11 [**11**].
Coleura afra (Peters, 1852)
Congo (Democratic Republic of the): 9 [**9**].
Doryrhina cyclops (Temminck, 1853)
Congo (Democratic Republic of the): 34 [**34**].
Eidolon dupreanum (Schegel, 1867)
Madagascar: 1 [**1**].
Eidolon helvum (Kerr, 1792)
Burundi: 1, Chad: 1, Congo (Democratic Republic of the): 25, Liberia: 1, Rwanda: 6, Sudan: 1 [**35**].
Eidolon helvum helvum (Kerr, 1792)
Senegal: 1 [**1**].
Epomophorus Bennett, 1836
Congo (Democratic Republic of the): 4 [**4**].
Epomophorus crypturus Peters, 1852
Congo (Democratic Republic of the): 14 [**14**].
Epomophorus dobsonii Bocage, 1889
Congo (Democratic Republic of the): 12, Rwanda: 1, Zambia: 1 [**14**].
Epomophorus gambianus (Ogilby, 1835)
Senegal: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Burundi: 43, Congo (Democratic Republic of the): 34, Rwanda: 15, Tanzania: 2 [**94**].
Epomophorus minor Dobson, 1880
Congo (Democratic Republic of the): 4, Tanzania: 1 [**5**].
Epomophorus wahlbergi (Sundevall, 1846)
Burundi: 1, Congo (Democratic Republic of the): 6, Tanzania: 2 [**9**].
Epomops buettikoferi (Matschie, 1899)
Liberia: 11 [**11**].
Epomops franqueti (Tomes, 1860)
Congo (Democratic Republic of the): 7 [**7**].
Eptesicus platyops (Thomas, 1901)
Senegal: 1 [**1**].
Glauconycteris alboguttata J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Glauconycteris argentata (Dobson, 1875)
Congo (Democratic Republic of the): 22 [**22**].
Glauconycteris variegata (Tomes, 1861)
Congo (Democratic Republic of the): 2 [**2**].
Hipposideros abae J.A. Allen, 1917
Congo (Democratic Republic of the): 162 [**162**].
Hipposideros beatus (K. Andersen, 1906)
Congo (Democratic Republic of the): 16 [**16**].
Hipposideros caffer (Sundevall, 1846)
Angola: 1, Congo (Democratic Republic of the): 127 [**128**].
Hipposideros ruber (Noack, 1893)
Congo (Democratic Republic of the): 203, Rwanda: 1 [**204**].
Hypsignathus monstrosus H. Allen, 1862
Congo (Democratic Republic of the): 12, Liberia: 2 [**14**].
Kerivoula argentata Tomes, 1861
Congo (Democratic Republic of the): 3 [**3**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Congo (Democratic Republic of the): 62, Rwanda: 4 [**66**].
Macronycteris gigas (Wagner, 1845)
Congo (Democratic Republic of the): 1 [**1**].
Macronycteris vittatus (Peters, 1852)
Congo (Democratic Republic of the): 3 [**3**].

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Liberia: 6 [**6**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
Congo (Democratic Republic of the): 11 [**11**].
Mimetillus moloneyi (Thomas, 1891)
Angola: 1, Congo (Democratic Republic of the): 4 [**5**].
Miniopterus fraterculus Thomas and Schwann, 1906
Congo (Democratic Republic of the): 10 [**10**].
Miniopterus inflatus Thomas, 1903
Congo (Democratic Republic of the): 10, Rwanda: 2 [**12**].
Miniopterus minor Peters, 1867
Congo (Democratic Republic of the): 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
Congo (Democratic Republic of the): 75 [**75**].
Mops (Mops) condylurus (A. Smith, 1833)
Congo (Democratic Republic of the): 42, Rwanda: 45 [**87**].
Mops (Mops) demonstrator (Thomas, 1903)
Congo (Democratic Republic of the): 23 [**23**].
Mops (Mops) midas (Sundevall, 1843)
Congo (Democratic Republic of the): 22 [**22**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Congo (Democratic Republic of the): 1 [**1**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Congo (Democratic Republic of the): 23, Rwanda: 25 [**48**].
Myonycteris angolensis (Bocage, 1898)
Congo (Democratic Republic of the): 5 [**5**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
Congo (Democratic Republic of the): 5 [**5**].
Myonycteris angolensis smithii (Thomas, 1908)
Liberia: 14 [**14**].
Myonycteris leptodon K. Andersen, 1908
Guinea: 1, Liberia: 119 [**120**].
Myonycteris torquata (Dobson, 1878)
Congo (Democratic Republic of the): 1 [**1**].
Myonycteris torquata wroughtoni K. Andersen, 1908
Congo (Democratic Republic of the): 2 [**2**].
Myopterus whitleyi (Scharff, 1900)
Congo (Democratic Republic of the): 3 [**3**].
Myotis bocagii (Peters, 1870)
Congo (Democratic Republic of the): 9, Rwanda: 1 [**10**].
Myotis bocagii cupreolus Thomas, 1904
Congo (Democratic Republic of the): 1 [**1**].
Myotis welwitschii (Gray, 1866)
Congo (Democratic Republic of the): 4 [**4**].
Nanonycteris veldkampii (Jentink, 1888)
Liberia: 36 [**36**].
Neoromicia Roberts, 1926
Congo (Democratic Republic of the): 7 [**7**].
Neoromicia capensis (A. Smith, 1829)
Congo (Democratic Republic of the): 18, Liberia: 1, Tanzania: 5 [**24**].
Neoromicia nana (Peters, 1852)
Burundi: 1, Congo (Democratic Republic of the): 116, Rwanda: 20, Senegal: 9 [**146**].
Neoromicia rendalli (Thomas, 1889)
Congo (Democratic Republic of the): 2 [**2**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Tanzania: 4 [**4**].
Neoromicia tenuipinnis (Peters, 1872)
Congo (Democratic Republic of the): 15, Rwanda: 2 [**17**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Congo (Democratic Republic of the): 3 [**3**].
Nycteris arge Thomas, 1903
Congo (Democratic Republic of the): 13, Tanzania: 1 [**14**].
Nycteris grandis Peters, 1865
Congo (Democratic Republic of the): 2, Liberia: 1, Tanzania: 1 [**4**].
Nycteris hispida (Schreber, 1774)
Congo (Democratic Republic of the): 83, Tanzania: 3 [**86**].
Nycteris intermedia Aellen, 1959
Congo (Democratic Republic of the): 1 [**1**].
Nycteris macrotis Dobson, 1876
Congo (Democratic Republic of the): 48, Rwanda: 20, Senegal: 3 [**71**].
Nycteris major (K. Andersen, 1912)
Zambia: 1 [**1**].
Nycteris nana (K. Andersen, 1912)
Congo (Democratic Republic of the): 30 [**30**].

Nycteris parisii (de Beaux, 1924)
Congo (Democratic Republic of the): 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Congo (Democratic Republic of the): 2, Rwanda: 3, South Africa: 1, South Sudan: 1, Tanzania: 6 [**14**].
Nycticeinops schlieffenii (Peters, 1859)
Congo (Democratic Republic of the): 14 [**14**].
Otomops martiensseni (Matschie, 1897)
Congo (Democratic Republic of the): 2 [**2**].
Pipistrellus kuhlii (Kuhl, 1817)
"Africa": 1, Algeria: 1, Libya: 1, Sudan: 1 [**4**].
Plerotes anchietae (Seabra, 1900)
Congo (Democratic Republic of the): 2 [**2**].
Rhinolophus Lacépède, 1799
Congo (Democratic Republic of the): 37 [**37**].
Rhinolophus alcyone Temminck, 1853
Congo (Democratic Republic of the): 2 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
Congo (Democratic Republic of the): 1, Rwanda: 9 [**10**].
Rhinolophus fumigatus Rüppell, 1842
Congo (Democratic Republic of the): 14, South Sudan: 1 [**15**].
Rhinolophus hildebrandtii Peters, 1878
Congo (Democratic Republic of the): 50 [**50**].
Rhinolophus lobatus Peters, 1852
Congo (Democratic Republic of the): 18 [**18**].
Rhinolophus rhodesiae Roberts, 1946
Congo (Democratic Republic of the): 17 [**17**].
Rhinolophus ruwenzorii J. Eric Hill, 1942
Congo (Democratic Republic of the): 3 [**3**].
Rhinopoma cystops Thomas, 1903
Egypt: 1 [**1**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Burundi: 1, Congo (Democratic Republic of the): 26, Liberia: 15, Rwanda: 2, Senegal: 1 [**45**].
Saccolaimus peli (Temminck, 1853)
"Africa": 1, Congo (Democratic Republic of the): 1 [**2**].
Scotonycteris occidentalis Hayman, 1947
Liberia: 6 [**6**].
Scotophilus dinganii (A. Smith, 1833)
Burundi: 2, Congo (Democratic Republic of the): 14, Zambia: 1 [**17**].
Scotophilus leucogaster (Cretzschmar, 1826)
Senegal: 9 [**9**].
Scotophilus nigrita (Schreber, 1774)
Congo (Democratic Republic of the): 1 [**1**].
Scotophilus nux Thomas, 1904
Congo (Democratic Republic of the): 3 [**3**].
Scotophilus viridis (Peters, 1852)
Senegal: 1 [**1**].
Stenonycteris lanosus (Thomas, 1906)
Congo (Democratic Republic of the): 5, Rwanda: 2 [**7**].
Tadarida fulminans (Thomas, 1903)
Rwanda: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Angola: 1, Congo (Democratic Republic of the): 37, Rwanda: 2 [**40**].
Taphozous nudiventris Cretzschmar, 1830
"Africa": 1, Congo (Democratic Republic of the): 1 [**2**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Congo (Democratic Republic of the): 1 [**1**].
Taphozous perforatus sudani Thomas, 1915
Congo (Democratic Republic of the): 9 [**9**].

Total Specimens for RBINS: 2191

Rennes: University of Rennes

Myopterus whitleyi (Scharff, 1900)
Central African Republic: 1 [**1**].

Total Specimens for Rennes: 1

RMCA: Royal Museum of Central Africa

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Chad: 1, Morocco: 42, Niger: 65 [**108**].

Cardioderma cor (Peters, 1872)
Kenya: 25 [**25**].
Casinycteris argynnis Thomas, 1910
"Africa": 1, Cameroon: 4, Congo (Democratic Republic of the): 83 [**88**].
Casinycteris ophiodon (Pohle, 1943)
Liberia: 2 [**2**].
Chaerephon Dobson, 1874
Namibia: 4 [**4**].
Chaerephon aloysiisabaudiae (Festa, 1907)
Congo (Democratic Republic of the): 1 [**1**].
Chaerephon ansorgei (Thomas, 1913)
Cameroon: 92, Congo (Democratic Republic of the): 86, Rwanda: 11 [**189**].
Chaerephon bemmeleni (Jentink, 1879)
Cameroon: 175, Congo (Democratic Republic of the): 1 [**176**].
Chaerephon bivittatus (Heuglin, 1861)
Congo (Democratic Republic of the): 1 [**1**].
Chaerephon major (Trouessart, 1897)
Cameroon: 138, Congo (Democratic Republic of the): 7, Liberia: 6, Togo: 283 [**434**].
Chaerephon nigeriae Thomas, 1913
Congo (Democratic Republic of the): 5, Kenya: 5 [**10**].
Chaerephon nigeriae spillmanni (Monard, 1933)
Congo (Democratic Republic of the): 13, Malawi: 1 [**14**].
Chaerephon pumilus (Cretzschmar, 1826)
"Africa": 1, Benin: 7, Burkina Faso: 2, Burundi: 7, Cameroon: 166, Comoros: 5, Congo (Democratic Republic of the): 793, Côte d'Ivoire: 68, Kenya: 3, Namibia: 2, Rwanda: 964, Tanzania: 11, Togo: 426, Uganda: 2 [**2457**].
Chaerephon russatus J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
CHIROPTERA Blumenbach, 1779
"Africa": 1, Congo (Democratic Republic of the): 19, Côte d'Ivoire: 6, Tanzania: 14, Togo: 9, Zambia: 1 [**50**].
Cloeotis percivali Thomas, 1901
Congo (Democratic Republic of the): 2, Zambia: 2 [**4**].
Coleura afra (Peters, 1852)
Congo (Democratic Republic of the): 6, Guinea-Bissau: 1 [**7**].
Doryrhina cyclops (Temminck, 1853)
Cameroon: 19, Congo (Democratic Republic of the): 21, Côte d'Ivoire: 18, Liberia: 2, Togo: 2 [**62**].
Eidolon helvum (Kerr, 1792)
"Africa": 6, Burundi: 2, Cameroon: 103, Congo (Democratic Republic of the): 293, Côte d'Ivoire: 10, Equatorial Guinea: 2, Ethiopia: 1, Liberia: 2, Rwanda: 36, Togo: 72 [**527**].
Eidolon helvum helvum (Kerr, 1792)
"Africa": 1 [**1**].
Epomophorus Bennett, 1836
Congo (Democratic Republic of the): 1 [**1**].
Epomophorus angolensis Gray, 1870
Angola: 1 [**1**].
Epomophorus crypturus Peters, 1852
Congo (Democratic Republic of the): 39, Zambia: 2 [**41**].
Epomophorus dobsonii Bocage, 1889
Congo (Democratic Republic of the): 3, Zambia: 2 [**5**].
Epomophorus gambianus (Ogilby, 1835)
Cameroon: 231, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 24, Liberia: 4, Togo: 847 [**1107**].
Epomophorus labiatus (Temminck, 1837)
"Africa": 1, Burundi: 111, Congo (Democratic Republic of the): 208, Rwanda: 276, Tanzania: 1 [**597**].
Epomophorus minor Dobson, 1880
Congo (Democratic Republic of the): 3, Kenya: 3, Malawi: 1 [**7**].
Epomophorus wahlbergi (Sundevall, 1846)
"Africa": 1, Congo (Democratic Republic of the): 99, Kenya: 11, Rwanda: 1, Tanzania: 9 [**121**].
Epomops buettikoferi (Matschie, 1899)
Côte d'Ivoire: 6, Liberia: 12 [**18**].
Epomops franqueti (Tomes, 1860)
Cameroon: 236, Congo (Democratic Republic of the): 400, Côte d'Ivoire: 7, Liberia: 20, Rwanda: 2, Togo: 152 [**817**].
Glauconycteris Dobson, 1875
Congo (Democratic Republic of the): 8 [**8**].
Glauconycteris alboguttata J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Glauconycteris argentata (Dobson, 1875)
Congo (Democratic Republic of the): 70, Rwanda: 3 [**73**].
Glauconycteris beatrix Thomas, 1901
Congo (Democratic Republic of the): 9 [**9**].
Glauconycteris poensis (Gray, 1842)
Congo (Democratic Republic of the): 2, Togo: 14 [**16**].
Glauconycteris superba Hayman, 1939
Congo (Democratic Republic of the): 2, Côte d'Ivoire: 1 [**3**].
Glauconycteris variegata (Tomes, 1861)
Congo (Democratic Republic of the): 22, Togo: 2 [**24**].
Hipposideros abae J.A. Allen, 1917
Cameroon: 1, Congo (Democratic Republic of the): 87 [**88**].

Hipposideros beatus (K. Andersen, 1906)
Congo (Democratic Republic of the): 10 [**10**].
Hipposideros caffer (Sundevall, 1846)
Burkina Faso: 1, Cameroon: 9, Congo (Democratic Republic of the): 11, Côte d'Ivoire: 1, Namibia: 3, Togo: 4, Zambia: 1 [**30**].
Hipposideros camerunensis Eisentraut, 1956
Cameroon: 8 [**8**].
Hipposideros curtus G.M. Allen, 1921
Cameroon: 1 [**1**].
Hipposideros jonesi Hayman, 1947
Cameroon: 2 [**2**].
Hipposideros marisae Aellen, 1954
Côte d'Ivoire: 2 [**2**].
Hipposideros ruber (Noack, 1893)
Angola: 2, Burundi: 5, Cameroon: 39, Congo (Democratic Republic of the): 691, Côte d'Ivoire: 16, Equatorial Guinea: 2, Liberia: 3, Namibia: 1, Rwanda: 65, Senegal: 1, Togo: 14, Zambia: 1 [**840**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 5, Central African Republic: 1, Congo (Democratic Republic of the): 115, Ghana: 2, Liberia: 2 [**125**].
Hypsugo crassulus (Thomas, 1904)
Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1 [**2**].
Hypsugo musciculus (Thomas, 1913)
Congo (Democratic Republic of the): 1 [**1**].
Kerivoula Gray, 1842
Congo (Democratic Republic of the): 2 [**2**].
Kerivoula cuprosa Thomas, 1912
Congo (Democratic Republic of the): 3 [**3**].
Kerivoula lanosa (A. Smith, 1847)
Congo (Democratic Republic of the): 3, Côte d'Ivoire: 1 [**4**].
Kerivoula phalaena Thomas, 1912
Cameroon: 1, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 7 [**9**].
Kerivoula smithii Thomas, 1880
Congo (Democratic Republic of the): 7 [**7**].
Laephotis botswanae Setzer, 1971
Congo (Democratic Republic of the): 6 [**6**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
"Africa": 1, Burkina Faso: 1, Burundi: 2, Cameroon: 30, Congo (Democratic Republic of the): 84, Kenya: 2, Rwanda: 7, Senegal: 1, Togo: 11, Uganda: 8 [**147**].
Macronycteris gigas (Wagner, 1845)
Congo (Democratic Republic of the): 5 [**5**].
Macronycteris vittatus (Peters, 1852)
Burundi: 2, Cameroon: 15, Congo (Democratic Republic of the): 21, Côte d'Ivoire: 7, Guinea-Bissau: 2, Kenya: 4, Malawi: 1, Rwanda: 1, Togo: 5 [**58**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Côte d'Ivoire: 6, Liberia: 6, Togo: 9 [**21**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 66, Congo (Democratic Republic of the): 237 [**303**].
Micropteropus intermedius Hayman, 1963
Congo (Democratic Republic of the): 4 [**4**].
Micropteropus pusillus (Peters, 1868)
"Africa": 1, Cameroon: 226, Central African Republic: 4, Congo (Democratic Republic of the): 452, Côte d'Ivoire: 14, Liberia: 2, Rwanda: 1, Togo: 1660 [**2360**].
Mimetillus moloneyi (Thomas, 1891)
Congo (Democratic Republic of the): 33, Côte d'Ivoire: 8 [**41**].
Mimetillus thomasi Hinton, 1920
Congo (Democratic Republic of the): 1 [**1**].
Miniopterus fraterculus Thomas and Schwann, 1906
Congo (Democratic Republic of the): 5, Rwanda: 18 [**23**].
Miniopterus inflatus Thomas, 1903
Cameroon: 1, Congo (Democratic Republic of the): 45, Kenya: 1, Rwanda: 74 [**121**].
Miniopterus minor Peters, 1867
Congo (Democratic Republic of the): 5, Kenya: 4 [**9**].
Miniopterus natalensis (A. Smith, 1833)
Angola: 1, Congo (Democratic Republic of the): 382, Namibia: 2, Tanzania: 1 [**386**].
MOLOSSIDAE Gervais, 1856
Congo (Democratic Republic of the): 4 [**4**].
Mops (Mops) condylurus (A. Smith, 1833)
Burundi: 177, Cameroon: 120, Congo (Democratic Republic of the): 192, Côte d'Ivoire: 3, Guinea-Bissau: 3, Kenya: 1, Namibia: 1, Rwanda: 295, Togo: 112, Uganda: 2 [**906**].
Mops (Mops) congicus J.A. Allen, 1917
Congo (Democratic Republic of the): 2 [**2**].
Mops (Mops) demonstrator (Thomas, 1903)
Congo (Democratic Republic of the): 10, Rwanda: 1 [**11**].
Mops (Mops) midas (Sundevall, 1843)
Cameroon: 3, Congo (Democratic Republic of the): 24, Namibia: 1, Niger: 1 [**29**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Congo (Democratic Republic of the): 12, Rwanda: 103 [**115**].

Mops (Mops) trevori J.A. Allen, 1917
Uganda: 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Burkina Faso: 2, Cameroon: 1, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 131 [**135**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Cameroon: 2, Congo (Democratic Republic of the): 42, Gabon: 1, Togo: 1 [**46**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
Congo (Democratic Republic of the): 9, Equatorial Guinea: 1, Togo: 4 [**14**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Cameroon: 2, Congo (Democratic Republic of the): 25, Côte d'Ivoire: 4, Uganda: 2 [**33**].
Myonycteris angolensis (Bocage, 1898)
Burundi: 1, Cameroon: 15, Congo (Democratic Republic of the): 84, Côte d'Ivoire: 1, Rwanda: 86, Togo: 43, Uganda: 6 [**236**].
Myonycteris angolensis smithii (Thomas, 1908)
Ghana: 1 [**1**].
Myonycteris leptodon K. Andersen, 1908
Côte d'Ivoire: 10, Ghana: 2, Liberia: 7, Togo: 4 [**23**].
Myonycteris relicta Bergmans, 1980
Tanzania: 3 [**3**].
Myonycteris torquata (Dobson, 1878)
Cameroon: 18, Congo (Democratic Republic of the): 204 [**222**].
Myopterus daubentonii Desmarest, 1820
Congo (Democratic Republic of the): 2 [**2**].
Myopterus whitleyi (Scharff, 1900)
Congo (Democratic Republic of the): 12, Uganda: 1 [**13**].
Myotis Kaup, 1829
Congo (Democratic Republic of the): 1 [**1**].
Myotis bocagii (Peters, 1870)
Cameroon: 2, Congo (Democratic Republic of the): 146, Côte d'Ivoire: 9, Kenya: 2, Rwanda: 10, Togo: 2 [**171**].
Myotis punicus Felten, 1977
Morocco: 4 [**4**].
Myotis tricolor (Temminck, 1832)
Congo (Democratic Republic of the): 3, Rwanda: 5 [**8**].
Myotis welwitschii (Gray, 1866)
Congo (Democratic Republic of the): 2, Rwanda: 2, Tanzania: 7 [**11**].
Nanonycteris veldkampii (Jentink, 1888)
Cameroon: 2, Côte d'Ivoire: 11, Ghana: 4, Liberia: 7, Togo: 190 [**214**].
Neoromicia Roberts, 1926
Zambia: 1 [**1**].
Neoromicia brunnea (Thomas, 1880)
Cameroon: 1, Côte d'Ivoire: 10 [**11**].
Neoromicia capensis (A. Smith, 1829)
Cameroon: 2, Congo (Democratic Republic of the): 39, South Africa: 1, Togo: 1 [**43**].
Neoromicia guineensis (Bocage, 1889)
Cameroon: 4, Senegal: 1 [**5**].
Neoromicia nana (Peters, 1852)
"Africa": 2, Burundi: 4, Cameroon: 84, Congo (Democratic Republic of the): 989, Côte d'Ivoire: 94, Kenya: 14, Liberia: 1, Namibia: 1, Rwanda: 97, Senegal: 3, Tanzania: 52, Togo: 13, Uganda: 3 [**1357**].
Neoromicia rendalli (Thomas, 1889)
Cameroon: 8, Congo (Democratic Republic of the): 63, Togo: 4, Uganda: 2 [**77**].
Neoromicia somalica (Thomas, 1901)
Cameroon: 4, Congo (Democratic Republic of the): 1, Rwanda: 2, Togo: 3 [**10**].
Neoromicia tenuipinnis (Peters, 1872)
Burundi: 1, Cameroon: 1, Congo (Democratic Republic of the): 123, Côte d'Ivoire: 7, Gabon: 2, Liberia: 1, Rwanda: 3 [**138**].
Nyctalus Bowdich, 1825
"Africa": 1 [**1**].
NYCTERIDAE Van der Hoeven, 1855
"Africa": 1 [**1**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Congo (Democratic Republic of the): 1 [**1**].
Nycteris arge Thomas, 1903
Burkina Faso: 2, Burundi: 2, Cameroon: 5, Congo (Democratic Republic of the): 69, Côte d'Ivoire: 2, Liberia: 1 [**81**].
Nycteris gambiensis (K. Andersen, 1912)
Guinea-Bissau: 2, Togo: 6 [**8**].
Nycteris grandis Peters, 1865
Cameroon: 2, Congo (Democratic Republic of the): 23, Côte d'Ivoire: 4, Liberia: 1, Togo: 1 [**31**].
Nycteris hispida (Schreber, 1774)
"Africa": 1, Burkina Faso: 2, Burundi: 1, Cameroon: 190, Congo (Democratic Republic of the): 157, Côte d'Ivoire: 5, Equatorial Guinea: 1, Malawi: 1, Rwanda: 10, Senegal: 1, Togo: 51 [**420**].
Nycteris intermedia Aellen, 1959
Cameroon: 2 [**2**].
Nycteris macrotis Dobson, 1876
Burkina Faso: 2, Cameroon: 12, Congo (Democratic Republic of the): 48, Côte d'Ivoire: 2, Guinea-Bissau: 1, Rwanda: 39, Tanzania: 1, Togo: 16 [**121**].

Nycteris nana (K. Andersen, 1912)
Burundi: 1, Cameroon: 1, Congo (Democratic Republic of the): 20 [**22**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Cameroon: 13, Congo (Democratic Republic of the): 12, Kenya: 3, Namibia: 3, Niger: 1, Rwanda: 6, Tanzania: 5 [**43**].
Nycticeinops schlieffenii (Peters, 1859)
Burkina Faso: 2, Cameroon: 5, Congo (Democratic Republic of the): 3, Togo: 2 [**12**].
Otomops Thomas, 1913
Kenya: 1, Rwanda: 1 [**2**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 6 [**6**].
Pipistrellus Kaup, 1829
"Africa": 1, Algeria: 1, Congo (Democratic Republic of the): 9 [**11**].
Pipistrellus hesperidus (Temminck, 1840)
Rwanda: 3 [**3**].
Pipistrellus kuhlii (Kuhl, 1817)
Chad: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
Cameroon: 2, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1, Togo: 1 [**5**].
Pipistrellus rueppellii (Fischer, 1829)
Cameroon: 22, Congo (Democratic Republic of the): 12, Togo: 1, Uganda: 2 [**37**].
Pipistrellus rusticus (Tomes, 1861)
Cameroon: 3 [**3**].
Pteropus Erxleben, 1777
"Africa": 1 [**1**].
Pteropus seychellensis A. Milne-Edwards, 1877
Comoros: 9, Seychelles: 2 [**11**].
Pteropus voeltzkowi Matschie, 1909
"Africa": 1 [**1**].
RHINOLOPHIDAE Gray, 1825
"Africa": 1, Tanzania: 1 [**2**].
Rhinolophus Lacépède, 1799
Congo (Democratic Republic of the): 6, Morocco: 3, Namibia: 1, Tanzania: 2 [**12**].
Rhinolophus alcyone Temminck, 1853
Cameroon: 4, Côte d'Ivoire: 8, Equatorial Guinea: 2 [**14**].
Rhinolophus blasii Peters, 1867
Congo (Democratic Republic of the): 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
Cameroon: 1, Congo (Democratic Republic of the): 25, Rwanda: 336, South Africa: 2, Tanzania: 1 [**365**].
Rhinolophus darlingi K. Andersen, 1905
Togo: 1 [**1**].
Rhinolophus denti Thomas, 1904
Burkina Faso: 1 [**1**].
Rhinolophus eloquens K. Andersen, 1905
Congo (Democratic Republic of the): 4, Kenya: 1, Rwanda: 5 [**10**].
Rhinolophus euryale Blasius, 1853
Tunisia: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
Angola: 1, Cameroon: 44, Congo (Democratic Republic of the): 25, Rwanda: 1, Togo: 3, Zimbabwe: 1 [**75**].
Rhinolophus hildebrandtii Peters, 1878
Burundi: 2, Congo (Democratic Republic of the): 142, Tanzania: 3 [**147**].
Rhinolophus hilli Aellen, 1973
Rwanda: 1 [**1**].
Rhinolophus hillorum Koopman, 1989
Cameroon: 1 [**1**].
Rhinolophus landeri Martin, 1838
Cameroon: 3, Equatorial Guinea: 1, Togo: 23 [**27**].
Rhinolophus lobatus Peters, 1852
Congo (Democratic Republic of the): 106, Kenya: 1 [**107**].
Rhinolophus ruwenzorii J. Eric Hill, 1942
Congo (Democratic Republic of the): 10, Rwanda: 2 [**12**].
Rhinolophus simulator K. Andersen, 1904
Cameroon: 1, Congo (Democratic Republic of the): 22 [**23**].
Rhinopoma cystops Thomas, 1903
Chad: 2, Egypt: 2, Kenya: 1, Mali: 2, Niger: 25 [**32**].
Rhinopoma microphyllum (Brünnich, 1782)
Cameroon: 3 [**3**].
Rousettinae Andersen, 1912
Burundi: 1, Congo (Democratic Republic of the): 14, Kenya: 1, Liberia: 2 [**18**].
Rousettus Gray, 1821
Congo (Democratic Republic of the): 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
"Africa": 5, Burundi: 3, Cameroon: 10, Congo (Democratic Republic of the): 174, Côte d'Ivoire: 1, Kenya: 3, Rwanda: 117, Tanzania: 5, Togo: 17 [**335**].
Rousettus obliviosus Kock, 1978
Comoros: 107 [**107**].

Saccolaimus peli (Temminck, 1853)
Cameroon: 1, Congo (Democratic Republic of the): 21, Côte d'Ivoire: 2 [**24**].
Scotoecus albofuscus (Thomas, 1890)
Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1 [**2**].
Scotoecus hindei Thomas, 1901
Cameroon: 5, Congo (Democratic Republic of the): 1 [**6**].
Scotoecus hirundo (de Winton, 1899)
Cameroon: 5 [**5**].
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Equatorial Guinea: 1 [**1**].
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Congo (Democratic Republic of the): 25 [**25**].
Scotonycteris occidentalis Hayman, 1947
Côte d'Ivoire: 2, Liberia: 10 [**12**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 8 [**8**].
Scotophilus Leach, 1821
"Africa": 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
Burundi: 9, Cameroon: 4, Congo (Democratic Republic of the): 102, Ethiopia: 2, Malawi: 1, Rwanda: 31, Sierra Leone: 2, Tanzania: 1, Togo: 8, Zambia: 1 [**161**].
Scotophilus leucogaster (Cretzschmar, 1826)
Burkina Faso: 2, Cameroon: 113, Niger: 4, Togo: 17 [**136**].
Scotophilus nigrita (Schreber, 1774)
Congo (Democratic Republic of the): 9, Côte d'Ivoire: 4, Togo: 1 [**14**].
Scotophilus nux Thomas, 1904
Cameroon: 1, Congo (Democratic Republic of the): 4, Côte d'Ivoire: 39 [**44**].
Scotophilus viridis (Peters, 1852)
Cameroon: 16 [**16**].
Stenonycteris lanosus (Thomas, 1906)
Congo (Democratic Republic of the): 15, Rwanda: 34, Tanzania: 1 [**50**].
Tadarida fulminans (Thomas, 1903)
Rwanda: 17 [**17**].
Tadarida ventralis (Heuglin, 1861)
Congo (Democratic Republic of the): 1 [**1**].
Taphozous hildegardeae Thomas, 1909
Kenya: 4 [**4**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Burundi: 1, Cameroon: 29, Congo (Democratic Republic of the): 146, Rwanda: 3, South Africa: 2, Togo: 19 [**201**].
Taphozous nudiventris Cretzschmar, 1830
"Africa": 1, Cameroon: 79, Egypt: 4 [**84**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Burkina Faso: 2, Cameroon: 1, Congo (Democratic Republic of the): 41, Niger: 10 [**54**].
Triaenops afer Peters, 1877
Kenya: 7 [**7**].
VESPERTILIONIDAE Gray, 1821
Congo (Democratic Republic of the): 28, Togo: 6 [**34**].
VESPERTILIONOIDEA Gray, 1821
Congo (Democratic Republic of the): 12, Morocco: 6 [**18**].

Total Specimens for RMCA: 18521

RMNH: Naturalis - National Natuurhistorish Museum

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Egypt: 5 [**5**].
Casinycteris argynnis Thomas, 1910
Congo (Democratic Republic of the): 2 [**2**].
Chaerephon Dobson, 1874
Ghana: 1 [**1**].
Chaerephon bemmeleni (Jentink, 1879)
"Africa": 1 [**1**].
Chaerephon nigeriae spillmanni (Monard, 1933)
Angola: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Congo (Democratic Republic of the): 10, Egypt: 1, Ethiopia: 1, Ghana: 1, Kenya: 335, Mayotte: 1, Tanzania: 33 [**382**].
CHIROPTERA Blumenbach, 1779
Kenya: 1 [**1**].
Coleura Peters, 1867
Ethiopia: 1 [**1**].
Doryrhina cyclops (Temminck, 1853)
Liberia: 2 [**2**].
Eidolon dupreanum (Schegel, 1867)
Madagascar: 1 [**1**].

Eidolon helvum (Kerr, 1792)
"Africa": 1, Congo (Democratic Republic of the): 3, Ghana: 1, Madagascar: 1, Senegal: 2 [**8**].
Eidolon helvum helvum (Kerr, 1792)
São Tomé and Principé: 1, Tanzania: 2 [**3**].
Epomophorus Bennett, 1836
Burundi: 1, Congo (Democratic Republic of the): 1, Kenya: 45, Rwanda: 1, Tanzania: 16 [**64**].
Epomophorus angolensis Gray, 1870
Angola: 2 [**2**].
Epomophorus crypturus Peters, 1852
Mozambique: 1 [**1**].
Epomophorus dobsonii Bocage, 1889
Angola: 1, Malawi: 1 [**2**].
Epomophorus gambianus (Ogilby, 1835)
Nigeria: 9 [**9**].
Epomophorus gambianus gambianus (Ogilby, 1835)
"Africa": 1, Liberia: 1, Nigeria: 1, Tanzania: 1 [**4**].
Epomophorus labiatus (Temminck, 1837)
Congo (Democratic Republic of the): 1, Ethiopia: 2, Kenya: 1, Sudan: 1, Tanzania: 39 [**44**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 49, Tanzania: 2 [**51**].
Epomops buettikoferi (Matschie, 1899)
Liberia: 5 [**5**].
Epomops franqueti (Tomes, 1860)
Congo (Democratic Republic of the): 1, Ghana: 1 [**2**].
Eptesicus hottentotus (A. Smith, 1833)
South Africa: 1 [**1**].
Glauconycteris argentata (Dobson, 1875)
Kenya: 4 [**4**].
Glauconycteris beatrix Thomas, 1901
Congo (Democratic Republic of the): 2 [**2**].
HIPPOSIDERIDAE Lydekker, 1891
Kenya: 1 [**1**].
Hipposideros Gray, 1831
Kenya: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
Ghana: 4, Kenya: 22 [**26**].
Hipposideros fuliginosus (Temminck, 1853)
Liberia: 2 [**2**].
Hipposideros ruber (Noack, 1893)
Congo: 72, Liberia: 1 [**73**].
Hypsignathus monstrosus H. Allen, 1862
Congo (Democratic Republic of the): 1, Liberia: 2 [**3**].
Hypsugo Kolenati, 1856
Kenya: 2 [**2**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Congo (Democratic Republic of the): 1, Ghana: 1, Kenya: 1, Tanzania: 7 [**10**].
Macronycteris gigas (Wagner, 1845)
Liberia: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
Tanzania: 2 [**2**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Liberia: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Nigeria: 21 [**21**].
Mimetillus moloneyi (Thomas, 1891)
Kenya: 1, Liberia: 2 [**3**].
Miniopterus natalensis (A. Smith, 1833)
South Africa: 1 [**1**].
Miniopterus schreibersii (Kuhl, 1817)
Algeria: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
Benin: 44, Congo: 5, Kenya: 2, Malawi: 1, Tanzania: 79 [**131**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Ghana: 1 [**1**].
Mormopterus acetabulosus (Hermann, 1804)
Mauritius: 2 [**2**].
Myonycteris leptodon K. Andersen, 1908
Liberia: 1 [**1**].
Myonycteris relicta Bergmans, 1980
Kenya: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
Liberia: 1 [**1**].
Neoromicia matroka (Thomas and Schwann, 1905)
Madagascar: 1 [**1**].
Neoromicia nana (Peters, 1852)
Congo (Democratic Republic of the): 2, Kenya: 10, Liberia: 2 [**14**].

Neoromicia rendalli (Thomas, 1889)
Kenya: 10 [**10**].
Neoromicia somalica (Thomas, 1901)
Kenya: 1, Madagascar: 1 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
Liberia: 1 [**1**].
Nycteris G. Cuvier and E. Geoffroy, 1795
"Africa": 1, Kenya: 32 [**33**].
Nycteris arge Thomas, 1903
Liberia: 1 [**1**].
Nycteris grandis Peters, 1865
Ghana: 1, Liberia: 1, Tanzania: 1 [**3**].
Nycteris hispida (Schreber, 1774)
Congo (Democratic Republic of the): 2, Kenya: 1, Liberia: 1 [**4**].
Nycteris intermedia Aellen, 1959
Congo (Democratic Republic of the): 1 [**1**].
Nycteris macrotis Dobson, 1876
Congo (Democratic Republic of the): 2, Ghana: 3, Kenya: 1, Tanzania: 1 [**7**].
Nycteris nana (K. Andersen, 1912)
Congo (Democratic Republic of the): 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 4, Egypt: 1, Ethiopia: 1, Kenya: 5, Mozambique: 1, South Africa: 1, Tanzania: 20 [**33**].
Pipistrellus kuhlii (Kuhl, 1817)
Morocco: 2 [**2**].
Pipistrellus rueppellii (Fischer, 1829)
"Africa": 1, Egypt: 1 [**2**].
Pteropus Erxleben, 1777
Madagascar: 1, Mauritius: 1 [**2**].
Pteropus livingstonii Gray, 1866
Comoros: 2 [**2**].
Pteropus niger (Kerr, 1792)
Madagascar: 2, Mauritius: 2 [**4**].
Pteropus rodricensis Dobson, 1878
Mauritius: 2 [**2**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 11 [**11**].
Pteropus seychellensis A. Milne-Edwards, 1877
Comoros: 1, Mayotte: 2, Seychelles: 3 [**6**].
Rhinolophus Lacépède, 1799
Congo: 1 [**1**].
Rhinolophus alcyone Temminck, 1853
Ghana: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
Egypt: 1 [**1**].
Rhinolophus deckenii Peters, 1868
Kenya: 1 [**1**].
Rhinolophus euryale Blasius, 1853
Algeria: 2 [**2**].
Rhinolophus fumigatus Rüppell, 1842
Kenya: 5 [**5**].
Rhinolophus hipposideros (Bechstein, 1800)
Egypt: 2 [**2**].
Rhinolophus landeri Martin, 1838
Ghana: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Egypt: 6 [**6**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 5 [**5**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
"Africa": 1, Angola: 2, Congo (Democratic Republic of the): 10, Egypt: 4, Kenya: 16, South Africa: 2 [**35**].
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Congo (Democratic Republic of the): 1 [**1**].
Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803)
Réunion: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
Angola: 1, Botswana: 2, Congo (Democratic Republic of the): 1, Eritrea: 1, Ghana: 2, Kenya: 18, South Africa: 1, Tanzania: 6 [**32**].
Scotophilus leucogaster (Cretzschmar, 1826)
Nigeria: 1, Sudan: 2 [**3**].
Scotophilus nigrita (Schreber, 1774)
Kenya: 2 [**2**].
Scotophilus viridis (Peters, 1852)
Kenya: 27 [**27**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
South Africa: 1 [**1**].

Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Kenya: 36 [**36**].
Tadarida teniotis (Rafinesque, 1814)
Egypt: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Tanzania: 3 [**3**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 4 [**4**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Egypt: 2 [**2**].
Triaenops Dobson, 1871
Kenya: 21 [**21**].

Total Specimens for RMNH: 1220

ROM: Royal Ontario Museum, Toronto

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Algeria: 20, Sudan: 3 [**23**].
Cardioderma cor (Peters, 1872)
Kenya: 160, Tanzania: 14 [**174**].
Chaerephon aloysiisabaudiae (Festa, 1907)
Uganda: 4 [**4**].
Chaerephon ansorgei (Thomas, 1913)
Kenya: 42, Uganda: 1, Zimbabwe: 44 [**87**].
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
Madagascar: 2 [**2**].
Chaerephon bemmeleni (Jentink, 1879)
Cameroon: 24, Kenya: 43, Uganda: 1 [**68**].
Chaerephon bivittatus (Heuglin, 1861)
Kenya: 137 [**137**].
Chaerephon chapini J.A. Allen, 1917
Ghana: 2, Kenya: 3, South Sudan: 7, Uganda: 1, Zimbabwe: 4 [**17**].
Chaerephon leucogaster (A. Grandidier, 1869)
Côte d'Ivoire: 11, Ethiopia: 22, Ghana: 42, Madagascar: 32, Nigeria: 8, Sierra Leone: 1 [**116**].
Chaerephon major (Trouessart, 1897)
Burkina Faso: 2, Ghana: 17 [**19**].
Chaerephon nigeriae Thomas, 1913
Ethiopia: 6, South Sudan: 8, Zimbabwe: 9 [**23**].
Chaerephon pumilus (Cretzschmar, 1826)
Botswana: 40, Burkina Faso: 11, Ethiopia: 8, Kenya: 804, Madagascar: 1, Malawi: 11, Mozambique: 4, South Africa: 56, South Sudan: 1, Sudan: 3, Swaziland: 9, Tanzania: 84, Uganda: 136, Zambia: 9, Zimbabwe: 41 [**1218**].
Chaerephon russatus J.A. Allen, 1917
Cameroon: 5, Ghana: 1 [**6**].
CHIROPTERA Blumenbach, 1779
Kenya: 21, Zimbabwe: 1 [**22**].
Cloeotis percivali Thomas, 1901
Kenya: 1, South Africa: 2, Zambia: 1, Zimbabwe: 30 [**34**].
Coleura afra (Peters, 1852)
Kenya: 195, Uganda: 57 [**252**].
Doryrhina cyclops (Temminck, 1853)
Cameroon: 16, Côte d'Ivoire: 2, Ghana: 16, Kenya: 2, Nigeria: 2, Uganda: 9 [**47**].
Eidolon dupreanum (Schegel, 1867)
Madagascar: 10 [**10**].
Eidolon helvum (Kerr, 1792)
Ghana: 2, Kenya: 1, Sierra Leone: 5, South Africa: 1, South Sudan: 1, Sudan: 2, Uganda: 1 [**13**].
Eidolon helvum helvum (Kerr, 1792)
"Africa": 1, Cameroon: 49, Ghana: 17, Kenya: 1, Niger: 27, Sierra Leone: 5, Tanzania: 3, Uganda: 20 [**123**].
Epomophorus crypturus Peters, 1852
Zimbabwe: 19 [**19**].
Epomophorus dobsonii Bocage, 1889
Zambia: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
Benin: 1, Burkina Faso: 6, Ghana: 32, Niger: 4, Nigeria: 4, Sierra Leone: 14 [**61**].
Epomophorus gambianus gambianus (Ogilby, 1835)
Cameroon: 30, Ghana: 33, Sierra Leone: 5 [**68**].
Epomophorus labiatus (Temminck, 1837)
Kenya: 99, Sudan: 2, Tanzania: 23, Uganda: 65 [**189**].
Epomophorus minimus Claessen & De Vree, 1991
Ethiopia: 35, Kenya: 15 [**50**].
Epomophorus minor Dobson, 1880
Ethiopia: 15, Kenya: 73, Tanzania: 11 [**99**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 101, Mozambique: 16, South Africa: 3, Swaziland: 8, Tanzania: 23, Uganda: 13, Zambia: 1, Zimbabwe: 4 [**169**].

Epomops franqueti (Tomes, 1860)
Cameroon: 286, Ghana: 53, Kenya: 1, Nigeria: 18, Sierra Leone: 8, Tanzania: 1, Uganda: 14 [**381**].
Eptesicus Rafinesque, 1820
Algeria: 1, Kenya: 3 [**4**].
Eptesicus hottentotus (A. Smith, 1833)
Kenya: 4, Zimbabwe: 3 [**7**].
Eptesicus isabellinus (Temminck, 1840)
Morocco: 1 [**1**].
Glauconycteris alboguttata J.A. Allen, 1917
Cameroon: 3 [**3**].
Glauconycteris argentata (Dobson, 1875)
Cameroon: 8, Kenya: 67, South Sudan: 1, Tanzania: 2, Uganda: 4 [**82**].
Glauconycteris beatrix Thomas, 1901
Cameroon: 1, Kenya: 2, Nigeria: 1 [**4**].
Glauconycteris cf. beatrix Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
Côte d'Ivoire: 5 [**5**].
Glauconycteris curryae Eger and Schlitter, 2001
Cameroon: 3 [**3**].
Glauconycteris egeria Thomas, 1913
Cameroon: 3, Uganda: 2 [**5**].
Glauconycteris gleni Peterson and Smith, 1973
Cameroon: 1 [**1**].
Glauconycteris humeralis J.A. Allen, 1917
Kenya: 8, Uganda: 5 [**13**].
Glauconycteris kenyacola Peterson, 1982
Kenya: 1 [**1**].
Glauconycteris poensis (Gray, 1842)
Cameroon: 1, Côte d'Ivoire: 3, Ghana: 1, Sierra Leone: 2 [**7**].
Glauconycteris variegata (Tomes, 1861)
Kenya: 7, South Africa: 1, South Sudan: 3, Uganda: 2, Zimbabwe: 1 [**14**].
Hipposideros abae J.A. Allen, 1917
Côte d'Ivoire: 1, Nigeria: 3, Sierra Leone: 2 [**6**].
Hipposideros beatus (K. Andersen, 1906)
Cameroon: 8, Côte d'Ivoire: 2, Ghana: 8, Kenya: 2, Nigeria: 6, Uganda: 2 [**28**].
Hipposideros caffer (Sundevall, 1846)
Benin: 4, Botswana: 9, Cameroon: 514, Côte d'Ivoire: 1, Gabon: 2, Ghana: 304, Kenya: 175, Nigeria: 17, South Africa: 5, Tanzania: 27, Uganda: 83, Zambia: 11, Zimbabwe: 83 [**1235**].
Hipposideros curtus G.M. Allen, 1921
Cameroon: 26 [**26**].
Hipposideros jonesi Hayman, 1947
Ghana: 14, Nigeria: 7 [**21**].
Hipposideros megalotis (Heuglin, 1861)
Kenya: 7 [**7**].
Hipposideros ruber (Noack, 1893)
Burkina Faso: 1, Côte d'Ivoire: 17, Ghana: 1, Kenya: 3, Nigeria: 11, Sierra Leone: 1, Uganda: 9 [**43**].
Hipposideros tephrus (Cabrera, 1906)
Morocco: 1 [**1**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 27, Ghana: 5, Sierra Leone: 2, Uganda: 3 [**37**].
Hypsugo crassulus (Thomas, 1904)
Côte d'Ivoire: 2, Kenya: 7, Uganda: 2 [**11**].
Hypsugo eisentrauti (Hill, 1968)
Kenya: 1 [**1**].
Hypsugo musciculus (Thomas, 1913)
Cameroon: 1 [**1**].
Kerivoula argentata Tomes, 1861
Kenya: 1, Zimbabwe: 1 [**2**].
Kerivoula lanosa (A. Smith, 1847)
Kenya: 1, Nigeria: 2 [**3**].
Kerivoula phalaena Thomas, 1912
Uganda: 1 [**1**].
Kerivoula smithii Thomas, 1880
Kenya: 1 [**1**].
Laephotis angolensis Monard, 1935
Zimbabwe: 8 [**8**].
Laephotis wintoni Thomas, 1901
Ethiopia: 1, Kenya: 2 [**3**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Benin: 1, Ghana: 1, Kenya: 26, Nigeria: 1, South Sudan: 1, Sudan: 3, Tanzania: 5, Uganda: 6 [**44**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 2 [**2**].
Macronycteris gigas (Wagner, 1845)
Cameroon: 3, Niger: 1, Nigeria: 2 [**6**].
Macronycteris vittatus (Peters, 1852)
Cameroon: 12, Ghana: 4, Kenya: 40, Tanzania: 3 [**59**].

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Côte d'Ivoire: 2, Ghana: 10, Nigeria: 3 [**15**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 175, Nigeria: 3, Uganda: 2 [**180**].
Micropteropus pusillus (Peters, 1868)
Benin: 5, Burkina Faso: 1, Cameroon: 167, Côte d'Ivoire: 1, Ghana: 70, Kenya: 5, Nigeria: 6, Sierra Leone: 9, South Sudan: 1, Sudan: 1, Uganda: 19 [**285**].
Mimetillus moloneyi (Thomas, 1891)
Cameroon: 32, Côte d'Ivoire: 1, Ghana: 1, Kenya: 12, Sierra Leone: 4, South Sudan: 2, Uganda: 2 [**54**].
Miniopterus Bonaparte, 1837
Zimbabwe: 2 [**2**].
Miniopterus africanus Sanborn, 1936
Kenya: 28 [**28**].
Miniopterus fraterculus Thomas and Schwann, 1906
Cameroon: 28, Kenya: 5, Nigeria: 3, Zambia: 13, Zimbabwe: 10 [**59**].
Miniopterus gleni Peterson, Eger and Mitchell, 1995
Madagascar: 21 [**21**].
Miniopterus inflatus Thomas, 1903
Cameroon: 38 [**38**].
Miniopterus inflatus inflatus Thomas, 1903
Kenya: 133, Uganda: 1 [**134**].
Miniopterus inflatus rufus Sanborn, 1936
Kenya: 141 [**141**].
Miniopterus majori Thomas, 1906
Madagascar: 2 [**2**].
Miniopterus manavi Thomas, 1906
Madagascar: 95 [**95**].
Miniopterus minor Peters, 1867
Kenya: 70 [**70**].
Miniopterus natalensis (A. Smith, 1833)
Ethiopia: 1, Kenya: 433, South Africa: 31, Uganda: 3, Zambia: 10, Zimbabwe: 86 [**564**].
Miniopterus schreibersii (Kuhl, 1817)
Tunisia: 1 [**1**].
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Madagascar: 20 [**20**].
Mops (Mops) condylurus (A. Smith, 1833)
Botswana: 17, Cameroon: 81, Côte d'Ivoire: 2, Ghana: 38, Kenya: 175, Malawi: 4, Mozambique: 9, South Africa: 11, South Sudan: 3, Swaziland: 32, Tanzania: 10, Uganda: 69, Zambia: 1 [**452**].
Mops (Mops) congicus J.A. Allen, 1917
Cameroon: 2, Uganda: 30 [**32**].
Mops (Mops) demonstrator (Thomas, 1903)
Burkina Faso: 3, Kenya: 3, Uganda: 6 [**12**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
Madagascar: 77 [**77**].
Mops (Mops) midas (Sundevall, 1843)
Botswana: 36, Malawi: 1, South Sudan: 1, Sudan: 32 [**70**].
Mops (Mops) midas midas (Sundevall, 1843)
Burkina Faso: 1 [**1**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Zambia: 1 [**1**].
Mops (Mops) trevori J.A. Allen, 1917
South Sudan: 1, Uganda: 4 [**5**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Cameroon: 3, Ghana: 1, Sierra Leone: 17, Uganda: 8 [**29**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Cameroon: 38, Kenya: 37, South Sudan: 5, Uganda: 39 [**119**].
Mops (Xiphonycteris) petersoni (El Rayah, 1981)
Cameroon: 37, Ghana: 7 [**44**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
Cameroon: 101, Ghana: 9 [**110**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Cameroon: 41, Ghana: 72, Kenya: 7, Sierra Leone: 6, Uganda: 28 [**154**].
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Réunion: 1 [**1**].
Mormopterus jugularis (Peters, 1865)
Madagascar: 399 [**399**].
Myonycteris angolensis (Bocage, 1898)
Cameroon: 98, Ghana: 5, Kenya: 75, Nigeria: 6, Sierra Leone: 11, Tanzania: 1, Uganda: 2 [**198**].
Myonycteris angolensis smithii (Thomas, 1908)
Ghana: 1, Nigeria: 5 [**6**].
Myonycteris leptodon K. Andersen, 1908
Ghana: 18 [**18**].
Myonycteris relicta Bergmans, 1980
Kenya: 2 [**2**].
Myonycteris torquata (Dobson, 1878)
Nigeria: 13, Uganda: 1 [**14**].

Myonycteris torquata torquata (Dobson, 1878)
Cameroon: 12 [**12**].
Myopterus whitleyi (Scharff, 1900)
Cameroon: 2, Nigeria: 1 [**3**].
Myotis bocagii (Peters, 1870)
Benin: 2, Côte d'Ivoire: 1, Ethiopia: 2, Ghana: 1, Kenya: 29, Tanzania: 3, Uganda: 7, Zimbabwe: 1 [**46**].
Myotis bocagii bocagii (Peters, 1870)
Kenya: 4, Uganda: 1 [**5**].
Myotis bocagii cupreolus Thomas, 1904
Cameroon: 30, Ghana: 1 [**31**].
Myotis goudoti (A. Smith, 1834)
Madagascar: 3 [**3**].
Myotis tricolor (Temminck, 1832)
Kenya: 179, Nigeria: 1, South Africa: 3 [**183**].
Myotis welwitschii (Gray, 1866)
Kenya: 3, Tanzania: 1 [**4**].
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878
Madagascar: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
Cameroon: 107, Côte d'Ivoire: 6, Ghana: 6, Nigeria: 8 [**127**].
Neoromicia Roberts, 1926
South Africa: 1 [**1**].
Neoromicia brunnea (Thomas, 1880)
Cameroon: 10, Côte d'Ivoire: 2 [**12**].
Neoromicia capensis (A. Smith, 1829)
Botswana: 1, Ghana: 1, Kenya: 5, South Africa: 11, Swaziland: 1, Zambia: 2, Zimbabwe: 25 [**46**].
Neoromicia guineensis (Bocage, 1889)
Burkina Faso: 1, Nigeria: 4 [**5**].
Neoromicia helios (Heller, 1912)
Cameroon: 6, Ghana: 1, Kenya: 45, South Sudan: 1, Uganda: 1 [**54**].
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995)
Madagascar: 1 [**1**].
Neoromicia matroka (Thomas and Schwann, 1905)
Madagascar: 43 [**43**].
Neoromicia nana (Peters, 1852)
Botswana: 3, Cameroon: 21, Côte d'Ivoire: 3, Ethiopia: 5, Ghana: 32, Kenya: 178, Malawi: 15, Mozambique: 12, Nigeria: 12, Sierra Leone: 3, South Africa: 6, Swaziland: 11, Tanzania: 2, Uganda: 68, Zambia: 1, Zimbabwe: 8 [**380**].
Neoromicia rendalli (Thomas, 1889)
Ghana: 2, Kenya: 36, Niger: 2, South Sudan: 2, Tanzania: 4 [**46**].
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013
Côte d'Ivoire: 1 [**1**].
Neoromicia somalica (Thomas, 1901)
Burkina Faso: 1, Kenya: 20, Nigeria: 7, South Sudan: 4, Uganda: 10 [**42**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Kenya: 1, Tanzania: 1 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
Cameroon: 23, Ghana: 3, Kenya: 27, Sierra Leone: 1, South Sudan: 5, Uganda: 12 [**71**].
Neoromicia zuluensis (Roberts, 1924)
Kenya: 51, South Africa: 1, South Sudan: 1, Tanzania: 1, Uganda: 3, Zimbabwe: 4 [**61**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Kenya: 1 [**1**].
Nycteris arge Thomas, 1903
Cameroon: 17, Côte d'Ivoire: 1, Ghana: 2, Uganda: 3 [**23**].
Nycteris aurita (K. Andersen, 1912)
Kenya: 7 [**7**].
Nycteris gambiensis (K. Andersen, 1912)
Ghana: 4 [**4**].
Nycteris grandis Peters, 1865
Cameroon: 20, Côte d'Ivoire: 2, Ghana: 4, Kenya: 1, Nigeria: 1, Zimbabwe: 7 [**35**].
Nycteris hispida (Schreber, 1774)
Cameroon: 8, Ethiopia: 1, Ghana: 12, Kenya: 15, Nigeria: 12, Sierra Leone: 2, South Sudan: 5, Sudan: 4, Tanzania: 1, Uganda: 3 [**63**].
Nycteris macrotis Dobson, 1876
Burkina Faso: 2, Cameroon: 1, Côte d'Ivoire: 1, Ghana: 26, Kenya: 17, Nigeria: 2, Sierra Leone: 1, Sudan: 10, Tanzania: 2 [**62**].
Nycteris nana (K. Andersen, 1912)
Cameroon: 5, Uganda: 2 [**7**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Benin: 1, Botswana: 2, Ethiopia: 1, Ghana: 1, Kenya: 144, Mozambique: 3, Namibia: 8, Nigeria: 2, Sierra Leone: 18, South Africa: 4, Tanzania: 2, Uganda: 1, Zimbabwe: 68 [**255**].
Nycteris woodi K. Andersen, 1914
Zimbabwe: 2 [**2**].
Nycticeinops schlieffenii (Peters, 1859)
Ethiopia: 10, Kenya: 33, Nigeria: 1, Uganda: 2, Zimbabwe: 7 [**53**].
Otomops Thomas, 1913
Kenya: 7 [**7**].

Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Ethiopia: 2, Kenya: 150 [**152**].
Otomops madagascariensis Dorst, 1953
Madagascar: 30 [**30**].
Otomops martiensseni (Matschie, 1897)
Zimbabwe: 1 [**1**].
Otomops martiensseni icarus Chubb, 1917
Uganda: 1 [**1**].
Paratriaenops furculus (Trouessart, 1907)
Madagascar: 6 [**6**].
Paremballonura atrata (Peters, 1874)
Madagascar: 1 [**1**].
Pipistrellus Kaup, 1829
Kenya: 1, Sierra Leone: 1, South Africa: 1, Uganda: 1 [**4**].
Pipistrellus grandidieri (Dobson, 1876)
Cameroon: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
Burkina Faso: 1, Ethiopia: 5, Kenya: 52, Nigeria: 1, South Sudan: 5, Uganda: 1, Zimbabwe: 2 [**67**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
Kenya: 4 [**4**].
Pipistrellus inexspectatus Aellen, 1959
Nigeria: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
Morocco: 2 [**2**].
Pipistrellus nanulus Thomas, 1904
Cameroon: 1, Côte d'Ivoire: 6, Kenya: 6, Nigeria: 4, Uganda: 14 [**31**].
Pipistrellus rueppellii (Fischer, 1829)
Botswana: 3, Ethiopia: 62, Kenya: 17, Mozambique: 1, South Sudan: 1, Sudan: 1, Uganda: 2, Zimbabwe: 1 [**88**].
Pipistrellus rusticus (Tomes, 1861)
Ghana: 2, Kenya: 5, Niger: 1, Nigeria: 3, Zimbabwe: 2 [**13**].
Platymops setiger (Peters, 1878)
Kenya: 5 [**5**].
Platymops setiger macmillani Thomas, 1906
Kenya: 34 [**34**].
Platymops setiger setiger (Peters, 1878)
Kenya: 25 [**25**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 14 [**14**].
Pteropus voeltzkowi Matschie, 1909
Tanzania: 3 [**3**].
Rhinolophus alcyone Temminck, 1853
Cameroon: 32, Côte d'Ivoire: 6, Ghana: 3, Uganda: 31 [**72**].
Rhinolophus blasii Peters, 1867
South Africa: 10, Zimbabwe: 3 [**13**].
Rhinolophus clivosus Cretzschmar, 1828
Kenya: 102, South Africa: 31, Sudan: 1, Tanzania: 1, Uganda: 2, Zimbabwe: 40 [**177**].
Rhinolophus darlingi K. Andersen, 1905
Nigeria: 7, South Africa: 5, Swaziland: 2, Uganda: 2, Zimbabwe: 36 [**52**].
Rhinolophus deckenii Peters, 1868
Kenya: 1, Tanzania: 3 [**4**].
Rhinolophus denti Thomas, 1904
Namibia: 1, Nigeria: 1, Zimbabwe: 5 [**7**].
Rhinolophus eloquens K. Andersen, 1905
Ethiopia: 2, Kenya: 233, Tanzania: 1, Uganda: 4 [**240**].
Rhinolophus fumigatus Rüppell, 1842
Burkina Faso: 13, Cameroon: 36, Kenya: 9, Malawi: 1, Nigeria: 10, Tanzania: 20, Uganda: 28 [**117**].
Rhinolophus hildebrandtii Peters, 1878
Kenya: 2, Nigeria: 3, Tanzania: 5 [**10**].
Rhinolophus hillorum Koopman, 1989
Nigeria: 1 [**1**].
Rhinolophus landeri Martin, 1838
Cameroon: 15, Côte d'Ivoire: 1, Ghana: 1, Nigeria: 8, Sierra Leone: 2 [**27**].
Rhinolophus lobatus Peters, 1852
Kenya: 102, Mozambique: 3, Zimbabwe: 3 [**108**].
Rhinolophus mehelyi Matschie, 1901
Tunisia: 1 [**1**].
Rhinolophus rhodesiae Roberts, 1946
Zimbabwe: 2 [**2**].
Rhinolophus simulator K. Andersen, 1904
Cameroon: 55, Ethiopia: 3, Kenya: 1, South Africa: 31, Zambia: 1, Zimbabwe: 3 [**94**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
South Africa: 1, Zimbabwe: 73 [**74**].
Rhinopoma cystops Thomas, 1903
Kenya: 1, Sudan: 33 [**34**].
Rhinopoma macinnesi Hayman, 1937
Kenya: 57 [**57**].

Rhinopoma microphyllum (Brünnich, 1782)
Sudan: 48 [**48**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Cameroon: 91, Ethiopia: 34, Ghana: 2, Kenya: 137, Nigeria: 7, Sierra Leone: 4, Tanzania: 2, Uganda: 1, Zimbabwe: 21 [**299**].
Rousettus madagascariensis G. Grandidier, 1929
Madagascar: 52 [**52**].
Saccolaimus peli (Temminck, 1853)
Uganda: 7 [**7**].
Sauromys petrophilus (Roberts, 1917)
Botswana: 2, Zimbabwe: 1 [**3**].
Scotoecus albigula Thomas, 1909
Kenya: 1 [**1**].
Scotoecus albofuscus (Thomas, 1890)
Ghana: 2, Kenya: 17, Niger: 1, Nigeria: 1, Uganda: 2 [**23**].
Scotoecus hindei Thomas, 1901
Kenya: 186, Nigeria: 2, Uganda: 17 [**205**].
Scotoecus hirundo (de Winton, 1899)
Cameroon: 3, Kenya: 30, South Sudan: 5, Uganda: 9 [**47**].
Scotonycteris occidentalis Hayman, 1947
Côte d'Ivoire: 2, Ghana: 3 [**5**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 10, Nigeria: 3 [**13**].
Scotophilus Leach, 1821
Kenya: 2 [**2**].
Scotophilus dinganii (A. Smith, 1833)
Botswana: 1, Ethiopia: 7, Ghana: 8, Kenya: 140, Malawi: 12, Sierra Leone: 2, Somalia: 1, South Africa: 19, South Sudan: 1, Tanzania: 17, Uganda: 24, Zambia: 2, Zimbabwe: 12 [**246**].
Scotophilus leucogaster (Cretzschmar, 1826)
Botswana: 7, Burkina Faso: 7, Ghana: 2, Kenya: 23, Niger: 15, Nigeria: 7, South Sudan: 1, Sudan: 1, Tanzania: 1, Uganda: 20, Zimbabwe: 5 [**89**].
Scotophilus nigrita (Schreber, 1774)
Kenya: 2 [**2**].
Scotophilus nucella Robbins, 1983
Ghana: 1, Uganda: 2 [**3**].
Scotophilus nux Thomas, 1904
Cameroon: 3, Kenya: 14, Uganda: 3 [**20**].
Scotophilus viridis (Peters, 1852)
Burkina Faso: 5, Cameroon: 1, Côte d'Ivoire: 2, Ghana: 2, Kenya: 26, Mozambique: 2, Niger: 1, Nigeria: 4, South Sudan: 6, Uganda: 1, Zambia: 1 [**51**].
Stenonycteris lanosus (Thomas, 1906)
Kenya: 15, Uganda: 1 [**16**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Ethiopia: 5, Kenya: 161, South Africa: 18, Uganda: 48 [**232**].
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Kenya: 17 [**17**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
Zimbabwe: 19 [**19**].
Tadarida fulminans (Thomas, 1903)
Kenya: 4, Zimbabwe: 7 [**11**].
Tadarida lobata (Thomas, 1891)
Kenya: 32 [**32**].
Tadarida ventralis (Heuglin, 1861)
Kenya: 36 [**36**].
Taphozous hildegardeae Thomas, 1909
Kenya: 204 [**204**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Cameroon: 1, Kenya: 14, Nigeria: 1, Tanzania: 1, Uganda: 9, Zimbabwe: 5 [**31**].
Taphozous nudiventris Cretzschmar, 1830
"Africa": 1, Ghana: 1, Kenya: 7, Sudan: 56 [**65**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Ghana: 13, Kenya: 33, Sudan: 10, Uganda: 35 [**91**].
Triaenops afer Peters, 1877
Ethiopia: 2, Kenya: 87, Mozambique: 8, Tanzania: 13, Uganda: 11 [**121**].

Total Specimens for ROM: 13844

SAMA: South Australian Museum, Adelaide

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Egypt: 30 [**30**].
Miniopterus Bonaparte, 1837
Madagascar: 1 [**1**].
Miniopterus inflatus Thomas, 1903
Kenya: 1 [**1**].

Miniopterus minor Peters, 1867
Kenya: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
Kenya: 1 [**1**].
Nycteris G. Cuvier and E. Geoffroy, 1795
South Sudan: 1 [**1**].
Otonycteris hemprichii Peters, 1859
Egypt: 1 [**1**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Egypt: 2 [**2**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 1 [**1**].

Total Specimens for SAMA: 40

SAMC: Iziko Museum, Cape Town

CHIROPTERA Blumenbach, 1779
"Africa": 8, South Africa: 4 [**12**].
Cistugo lesueuri Roberts, 1919
South Africa: 2 [**2**].
Eidolon helvum (Kerr, 1792)
South Africa: 2 [**2**].
Epomophorus wahlbergi (Sundevall, 1846)
South Africa: 4 [**4**].
Eptesicus hottentotus (A. Smith, 1833)
South Africa: 5 [**5**].
Hipposideros caffer (Sundevall, 1846)
Mozambique: 1, South Africa: 2 [**3**].
Kerivoula lanosa (A. Smith, 1847)
"Africa": 3, South Africa: 5 [**8**].
Laephotis namibensis Setzer, 1971
South Africa: 2 [**2**].
Miniopterus Bonaparte, 1837
"Africa": 1 [**1**].
Miniopterus fraterculus Thomas and Schwann, 1906
South Africa: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
South Africa: 4 [**4**].
Myotis tricolor (Temminck, 1832)
South Africa: 3 [**3**].
Neoromicia capensis (A. Smith, 1829)
"Africa": 12, Namibia: 1, South Africa: 9, Zimbabwe: 1 [**23**].
Neoromicia nana (Peters, 1852)
South Africa: 1 [**1**].
Nycteris hispida (Schreber, 1774)
South Africa: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
South Africa: 2 [**2**].
Nycticeinops schlieffenii (Peters, 1859)
South Africa: 1 [**1**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 2 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
South Africa: 5 [**5**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Zimbabwe: 1 [**1**].
Rhinolophus swinnyi Gough, 1908
South Africa: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
South Africa: 2 [**2**].
Sauromys petrophilus (Roberts, 1917)
Namibia: 1 [**1**].
Scotophilus Leach, 1821
South Africa: 2 [**2**].
Scotophilus dinganii (A. Smith, 1833)
South Africa: 4 [**4**].
Scotophilus viridis (Peters, 1852)
Mozambique: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
South Africa: 3 [**3**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
South Africa: 1, Zimbabwe: 1 [**2**].

VESPERTILIONIDAE Gray, 1821
South Africa: 7 [**7**].
Vespertilioninae Gray, 1821
South Africa: 3 [**3**].

Total Specimens for SAMC: 109

SMF: Senckenberg Museum, Frankfurt

Asellia patrizii de Beaux, 1931
Ethiopia: 5 [**5**].
Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Algeria: 1, Burkina Faso: 17, Egypt: 31, Libya: 1, Morocco: 10, The Gambia: 2, Tunisia: 333 [**395**].
Barbastella leucomelas (Cretzschmar, 1826)
Egypt: 1 [**1**].
Cardioderma cor (Peters, 1872)
Ethiopia: 28, Kenya: 6, Tanzania: 6 [**40**].
Casinycteris argynnis Thomas, 1910
Congo (Democratic Republic of the): 17 [**17**].
Casinycteris ophiodon (Pohle, 1943)
Côte d'Ivoire: 1 [**1**].
Chaerephon aloysiisabaudiae (Festa, 1907)
Côte d'Ivoire: 3 [**3**].
Chaerephon bemmeleni (Jentink, 1879)
Liberia: 3, Tanzania: 1 [**4**].
Chaerephon bivittatus (Heuglin, 1861)
Kenya: 3, Tanzania: 3 [**6**].
Chaerephon chapini J.A. Allen, 1917
Ethiopia: 1 [**1**].
Chaerephon leucogaster (A. Grandidier, 1869)
Madagascar: 1 [**1**].
Chaerephon major (Trouessart, 1897)
Burkina Faso: 11, Sudan: 16 [**27**].
Chaerephon nigeriae Thomas, 1913
Congo (Democratic Republic of the): 1, Côte d'Ivoire: 5, Niger: 8, Nigeria: 1, Tanzania: 2, Zambia: 1 [**18**].
Chaerephon pumilus (Cretzschmar, 1826)
Burkina Faso: 9, Burundi: 8, Chad: 6, Congo (Democratic Republic of the): 16, Côte d'Ivoire: 6, Eritrea: 5, Ethiopia: 92, Kenya: 36, Nigeria: 44, Rwanda: 7, Senegal: 1, South Africa: 2, Sudan: 53, Tanzania: 71, Uganda: 2, Zambia: 6 [**364**].
Chaerephon pusillus (Miller, 1902)
Seychelles: 2 [**2**].
Chaerephon russatus J.A. Allen, 1917
Côte d'Ivoire: 2 [**2**].
CHIROPTERA Blumenbach, 1779
"Africa": 1 [**1**].
Cloeotis percivali Thomas, 1901
Congo (Democratic Republic of the): 5, Zambia: 2 [**7**].
Coleura afra (Peters, 1852)
Central African Republic: 2, Ethiopia: 3, Kenya: 71, Sudan: 133, Tanzania: 11 [**220**].
Doryrhina cyclops (Temminck, 1853)
Cameroon: 1, Côte d'Ivoire: 5, Ghana: 1, Liberia: 3, Tanzania: 3 [**13**].
Eidolon helvum (Kerr, 1792)
Burkina Faso: 2, Burundi: 3, Cameroon: 3, Chad: 5, Equatorial Guinea: 2, Ghana: 1, Liberia: 1, Niger: 7, Nigeria: 3, Sudan: 27, Tanzania: 7, The Gambia: 1, Togo: 1 [**63**].
Eidolon helvum helvum (Kerr, 1792)
Ethiopia: 2, Nigeria: 1 [**3**].
Epomophorus Bennett, 1836
Nigeria: 3 [**3**].
Epomophorus crypturus Peters, 1852
Zimbabwe: 1 [**1**].
Epomophorus dobsonii Bocage, 1889
Malawi: 1, Tanzania: 2 [**3**].
Epomophorus gambianus (Ogilby, 1835)
"Africa": 1, Burkina Faso: 8, Cameroon: 2, Central African Republic: 2, Côte d'Ivoire: 1, Ethiopia: 19, Mali: 2, Niger: 7, Nigeria: 15, Sudan: 2, Tanzania: 1, The Gambia: 4, Zambia: 1 [**65**].
Epomophorus labiatus (Temminck, 1837)
Burundi: 13, Chad: 1, Congo (Democratic Republic of the): 24, Ethiopia: 18, Kenya: 1, Malawi: 18, Sudan: 24, Tanzania: 17 [**116**].
Epomophorus minimus Claessen & De Vree, 1991
Ethiopia: 32 [**32**].
Epomophorus minor Dobson, 1880
Ethiopia: 1, Malawi: 1, Tanzania: 11 [**13**].
Epomophorus wahlbergi (Sundevall, 1846)
Congo (Democratic Republic of the): 3, Kenya: 21, Tanzania: 86, Zambia: 1 [**111**].
Epomops buettikoferi (Matschie, 1899)
Côte d'Ivoire: 5, Ghana: 1, Liberia: 3 [**9**].

Epomops franqueti (Tomes, 1860)
Congo: 2, Congo (Democratic Republic of the): 9, Ghana: 2 [**13**].
Eptesicus floweri (de Winton, 1901)
Sudan: 1 [**1**].
Eptesicus hottentotus (A. Smith, 1833)
Namibia: 1 [**1**].
Eptesicus isabellinus (Temminck, 1840)
Algeria: 1 [**1**].
Glauconycteris Dobson, 1875
Kenya: 2 [**2**].
Glauconycteris argentata (Dobson, 1875)
Congo (Democratic Republic of the): 14, Tanzania: 7 [**21**].
Glauconycteris beatrix Thomas, 1901
Congo (Democratic Republic of the): 3, Côte d'Ivoire: 3 [**6**].
Glauconycteris humeralis J.A. Allen, 1917
Congo (Democratic Republic of the): 3 [**3**].
Glauconycteris poensis (Gray, 1842)
Cameroon: 3, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1, Togo: 1 [**6**].
Glauconycteris variegata (Tomes, 1861)
Côte d'Ivoire: 3, Tanzania: 7 [**10**].
Hipposideros abae J.A. Allen, 1917
Burkina Faso: 2, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 4 [**7**].
Hipposideros beatus (K. Andersen, 1906)
Congo (Democratic Republic of the): 3, Côte d'Ivoire: 3, Liberia: 2 [**8**].
Hipposideros caffer (Sundevall, 1846)
Burundi: 3, Cameroon: 1, Congo (Democratic Republic of the): 25, Côte d'Ivoire: 6, Ethiopia: 20, Kenya: 22, Mozambique: 2, Namibia: 1, Nigeria: 15, Senegal: 1, Tanzania: 23, Uganda: 3, Zambia: 1, Zimbabwe: 1 [**124**].
Hipposideros camerunensis Eisentraut, 1956
Cameroon: 2 [**2**].
Hipposideros fuliginosus (Temminck, 1853)
Congo (Democratic Republic of the): 1, Côte d'Ivoire: 9, Ethiopia: 3 [**13**].
Hipposideros jonesi Hayman, 1947
Burkina Faso: 4, Guinea: 3 [**7**].
Hipposideros megalotis (Heuglin, 1861)
Kenya: 2 [**2**].
Hipposideros ruber (Noack, 1893)
"Africa": 2, Burkina Faso: 16, Burundi: 3, Cameroon: 4, Congo (Democratic Republic of the): 25, Côte d'Ivoire: 23, Equatorial Guinea: 1, Ethiopia: 13, Gabon: 1, Ghana: 5, Kenya: 3, Liberia: 117, Mali: 2, Nigeria: 3, Rwanda: 4, Senegal: 1, Sudan: 1, Tanzania: 65, The Gambia: 8, Uganda: 1 [**298**].
Hipposideros tephrus (Cabrera, 1906)
Sudan: 17, The Gambia: 6 [**23**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 1, Congo: 1 [**2**].
Hypsugo anchietae (Seabra, 1900)
Zambia: 1 [**1**].
Hypsugo cf. eisentrauti Hill, 1968
Rwanda: 1 [**1**].
Hypsugo crassulus (Thomas, 1904)
Congo (Democratic Republic of the): 5, Côte d'Ivoire: 8 [**13**].
Kerivoula africana Dobson, 1878
Tanzania: 2 [**2**].
Kerivoula argentata Tomes, 1861
Congo (Democratic Republic of the): 2, Tanzania: 3 [**5**].
Kerivoula cuprosa Thomas, 1912
Côte d'Ivoire: 1 [**1**].
Kerivoula eriophora (Heuglin, 1877)
South Sudan: 1 [**1**].
Kerivoula phalaena Thomas, 1912
Congo (Democratic Republic of the): 1, Côte d'Ivoire: 3 [**4**].
Laephotis botswanae Setzer, 1971
Congo (Democratic Republic of the): 3 [**3**].
Laephotis wintoni Thomas, 1901
Tanzania: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Burundi: 2, Cameroon: 1, Chad: 11, Ethiopia: 3, Kenya: 2, Niger: 1, Sudan: 29, Tanzania: 12, The Gambia: 2 [**63**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 2 [**2**].
Macronycteris gigas (Wagner, 1845)
Côte d'Ivoire: 5, Ghana: 1, Liberia: 3, Tanzania: 2 [**11**].
Macronycteris vittatus (Peters, 1852)
Botswana: 84, Côte d'Ivoire: 1, Kenya: 19, Madagascar: 1, Mozambique: 7, Namibia: 1, São Tomé and Principé: 3, Tanzania: 4, The Gambia: 1, Zambia: 2, Zimbabwe: 9 [**132**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Côte d'Ivoire: 2, Ghana: 4, Liberia: 6 [**12**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 18, Congo (Democratic Republic of the): 32 [**50**].

Micropteropus intermedius Hayman, 1963
Congo (Democratic Republic of the): 1 [**1**].
Micropteropus pusillus (Peters, 1868)
"Africa": 1, Burkina Faso: 3, Burundi: 3, Cameroon: 15, Congo: 196, Congo (Democratic Republic of the): 60, Côte d'Ivoire: 12, Equatorial Guinea: 6, Ethiopia: 9, Ghana: 7, Liberia: 3, Nigeria: 1, Sudan: 7, The Gambia: 5 [**328**].
Mimetillus moloneyi (Thomas, 1891)
Tanzania: 2, Uganda: 1 [**3**].
Miniopterus fraterculus Thomas and Schwann, 1906
Madagascar: 2, South Africa: 2, Tanzania: 14, Zimbabwe: 1 [**19**].
Miniopterus gleni Peterson, Eger and Mitchell, 1995
Madagascar: 1 [**1**].
Miniopterus griveaudi Harrison, 1959
Madagascar: 10 [**10**].
Miniopterus inflatus Thomas, 1903
Congo (Democratic Republic of the): 6, Ethiopia: 3, Kenya: 4, Liberia: 1, Uganda: 1 [**15**].
Miniopterus majori Thomas, 1906
Madagascar: 1 [**1**].
Miniopterus manavi Thomas, 1906
Madagascar: 6 [**6**].
Miniopterus minor Peters, 1867
Kenya: 11, Tanzania: 3 [**14**].
Miniopterus natalensis (A. Smith, 1833)
Cameroon: 2, Congo (Democratic Republic of the): 26, Ethiopia: 20, Kenya: 14, Namibia: 7, South Africa: 3, Tanzania: 7, Uganda: 1, Zambia: 9 [**89**].
Miniopterus schreibersii (Kuhl, 1817)
Algeria: 4, Tunisia: 12 [**16**].
Mops (Mops) condylurus (A. Smith, 1833)
Burundi: 7, Congo: 26, Congo (Democratic Republic of the): 21, Côte d'Ivoire: 4, Ethiopia: 2, Kenya: 360, Niger: 2, Nigeria: 32, Rwanda: 2, Sudan: 5, Tanzania: 20, Togo: 3 [**484**].
Mops (Mops) congicus J.A. Allen, 1917
Uganda: 1 [**1**].
Mops (Mops) demonstrator (Thomas, 1903)
Côte d'Ivoire: 3, Sudan: 1 [**4**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
Madagascar: 2 [**2**].
Mops (Mops) midas (Sundevall, 1843)
Botswana: 1, Sudan: 2 [**3**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Burundi: 5, Congo (Democratic Republic of the): 5 [**10**].
Mops (Mops) trevori J.A. Allen, 1917
Côte d'Ivoire: 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Côte d'Ivoire: 4, Tanzania: 6 [**10**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Côte d'Ivoire: 3, Kenya: 2 [**5**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
Côte d'Ivoire: 6, Equatorial Guinea: 1 [**7**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Congo (Democratic Republic of the): 1, Côte d'Ivoire: 10 [**11**].
Mormopterus acetabulosus acetabulosus (Hermann, 1804)
Mauritius: 4, Réunion: 2 [**6**].
Mormopterus acetabulosus natalensis (A. Smith, 1847)
"Africa": 3 [**3**].
Myonycteris angolensis (Bocage, 1898)
Burkina Faso: 1, Burundi: 4, Cameroon: 3, Côte d'Ivoire: 4, Tanzania: 7 [**19**].
Myonycteris angolensis petraea (Bergmans, 1997)
Ethiopia: 2 [**2**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
Congo (Democratic Republic of the): 6, Kenya: 1, Tanzania: 17, Uganda: 1 [**25**].
Myonycteris angolensis smithii (Thomas, 1908)
Côte d'Ivoire: 1, Ghana: 6, Liberia: 4, The Gambia: 2 [**13**].
Myonycteris leptodon K. Andersen, 1908
Côte d'Ivoire: 9, Liberia: 4 [**13**].
Myonycteris relicta Bergmans, 1980
Tanzania: 25 [**25**].
Myonycteris torquata (Dobson, 1878)
Cameroon: 3, Congo (Democratic Republic of the): 22 [**25**].
Myopterus daubentonii Desmarest, 1820
Côte d'Ivoire: 1 [**1**].
Myotis bocagii (Peters, 1870)
Burundi: 1, Cameroon: 1, Congo (Democratic Republic of the): 4, Ethiopia: 1, Ghana: 2, Kenya: 2, Tanzania: 14 [**25**].
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
Algeria: 1 [**1**].
Myotis goudoti (A. Smith, 1834)
Madagascar: 5 [**5**].

Myotis punicus Felten, 1977
Algeria: 4, Libya: 1, Morocco: 17, Tunisia: 86 [**108**].
Myotis scotti Thomas, 1927
Ethiopia: 4 [**4**].
Myotis tricolor (Temminck, 1832)
Congo (Democratic Republic of the): 2, Kenya: 4, Tanzania: 1 [**7**].
Myotis welwitschii (Gray, 1866)
Tanzania: 2, Zambia: 1 [**3**].
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878
Madagascar: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
Cameroon: 7, Côte d'Ivoire: 8, Ghana: 2, Liberia: 4 [**21**].
Neoromicia brunnea (Thomas, 1880)
Côte d'Ivoire: 4 [**4**].
Neoromicia capensis (A. Smith, 1829)
Botswana: 1, Ethiopia: 2, Kenya: 1, Namibia: 3, South Africa: 5, Tanzania: 5 [**17**].
Neoromicia guineensis (Bocage, 1889)
Burkina Faso: 4, Chad: 2, Côte d'Ivoire: 14, Ethiopia: 5, Nigeria: 1, South Sudan: 1, Sudan: 1, The Gambia: 3 [**31**].
Neoromicia nana (Peters, 1852)
Burundi: 5, Chad: 1, Congo: 1, Congo (Democratic Republic of the): 22, Côte d'Ivoire: 3, Ethiopia: 10, Liberia: 4, Malawi: 3, Senegal: 1, South Africa: 1, Sudan: 3, Tanzania: 33, The Gambia: 7, Uganda: 4, Zambia: 2, Zimbabwe: 2 [**102**].
Neoromicia rendalli (Thomas, 1889)
Congo (Democratic Republic of the): 1, Kenya: 12, Tanzania: 3, The Gambia: 2 [**18**].
Neoromicia somalica (Thomas, 1901)
Congo (Democratic Republic of the): 1, Côte d'Ivoire: 19, Ethiopia: 3, Mali: 1, South Sudan: 1, Sudan: 1, Tanzania: 3, Uganda: 1 [**30**].
Neoromicia tenuipinnis (Peters, 1872)
Cameroon: 1, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1, Uganda: 1 [**4**].
Neoromicia zuluensis (Roberts, 1924)
Ethiopia: 2, Kenya: 1, Tanzania: 1 [**4**].
Nyctalus azoreum (Thomas, 1901)
Azores (Portugal): 1 [**1**].
Nycteris arge Thomas, 1903
Congo (Democratic Republic of the): 4, Côte d'Ivoire: 7, Ghana: 1 [**12**].
Nycteris aurita (K. Andersen, 1912)
Ethiopia: 1, Tanzania: 2 [**3**].
Nycteris gambiensis (K. Andersen, 1912)
Burkina Faso: 2, Côte d'Ivoire: 3, Guinea: 3, The Gambia: 3 [**11**].
Nycteris grandis Peters, 1865
Congo (Democratic Republic of the): 5, Côte d'Ivoire: 1, Kenya: 1, Tanzania: 15, Zambia: 1 [**23**].
Nycteris hispida (Schreber, 1774)
Burkina Faso: 2, Burundi: 1, Chad: 5, Congo (Democratic Republic of the): 8, Côte d'Ivoire: 3, Ethiopia: 3, Kenya: 3, Mali: 2, Sudan: 32, Tanzania: 10, The Gambia: 2 [**71**].
Nycteris intermedia Aellen, 1959
Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1 [**2**].
Nycteris macrotis Dobson, 1876
Burkina Faso: 2, Burundi: 2, Congo (Democratic Republic of the): 3, Côte d'Ivoire: 2, Ethiopia: 2, Kenya: 1, Malawi: 1, Nigeria: 4, Sudan: 1, Tanzania: 10, The Gambia: 13 [**41**].
Nycteris nana (K. Andersen, 1912)
Congo (Democratic Republic of the): 1, Côte d'Ivoire: 1, Kenya: 4 [**6**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Botswana: 2, Burkina Faso: 1, Congo (Democratic Republic of the): 3, Egypt: 18, Ethiopia: 9, Kenya: 5, Namibia: 3, South Africa: 3, Sudan: 5, Tanzania: 70, Zambia: 3 [**122**].
Nycteris woodi K. Andersen, 1914
Tanzania: 1 [**1**].
Nycticeinops schlieffenii (Peters, 1859)
Burkina Faso: 10, Egypt: 1, Sudan: 13, Tanzania: 1 [**25**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Ethiopia: 2 [**2**].
Otomops martiensseni (Matschie, 1897)
Côte d'Ivoire: 3, Ethiopia: 1, Kenya: 264, Rwanda: 1, Tanzania: 1 [**270**].
Otonycteris hemprichii Peters, 1859
Egypt: 2 [**2**].
Paratriaenops furculus (Trouessart, 1907)
Madagascar: 1 [**1**].
Paremballonura atrata (Peters, 1874)
Madagascar: 3 [**3**].
Pipistrellus grandidieri (Dobson, 1876)
Burundi: 2, Côte d'Ivoire: 1, Kenya: 1, Tanzania: 15 [**19**].
Pipistrellus hesperidus (Temminck, 1840)
"Africa": 1, Ethiopia: 18, Kenya: 2, Tanzania: 8 [**29**].
Pipistrellus inexspectatus Aellen, 1959
Côte d'Ivoire: 4 [**4**].
Pipistrellus kuhlii (Kuhl, 1817)
Egypt: 4, Madagascar: 1, Morocco: 4, Tunisia: 12 [**21**].

Pipistrellus maderensis (Dobson, 1878)
Spain: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
Côte d'Ivoire: 6, The Gambia: 1 [**7**].
Pipistrellus rueppellii (Fischer, 1829)
Ethiopia: 1, Sudan: 3, Uganda: 2, Zambia: 1 [**7**].
Pipistrellus rusticus (Tomes, 1861)
Burkina Faso: 2, Ethiopia: 2, Senegal: 1, Sudan: 2, The Gambia: 1 [**8**].
Platymops setiger (Peters, 1878)
Kenya: 3 [**3**].
Plecotus christii Gray, 1838
Ethiopia: 1, Tunisia: 1 [**2**].
Plerotes anchietae (Seabra, 1900)
Malawi: 2 [**2**].
Pteropus niger (Kerr, 1792)
Mauritius: 3 [**3**].
Pteropus rodricensis Dobson, 1878
Mauritius: 2 [**2**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 2 [**2**].
Pteropus seychellensis A. Milne-Edwards, 1877
Mayotte: 1, Seychelles: 8, Tanzania: 1 [**10**].
Rhinolophus alcyone Temminck, 1853
Côte d'Ivoire: 8, Equatorial Guinea: 5, Ghana: 6 [**19**].
Rhinolophus blasii Peters, 1867
"Africa": 1, Congo (Democratic Republic of the): 1, Morocco: 1, Tanzania: 1 [**4**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 8 [**8**].
Rhinolophus clivosus Cretzschmar, 1828
"Africa": 2, Egypt: 1, Kenya: 3, Rwanda: 5, Saudi Arabia: 1, South Africa: 5, Tanzania: 4, Uganda: 1 [**22**].
Rhinolophus darlingi K. Andersen, 1905
Namibia: 1, Tanzania: 4 [**5**].
Rhinolophus deckenii Peters, 1868
Tanzania: 42 [**42**].
Rhinolophus denti Thomas, 1904
Botswana: 1, Namibia: 1 [**2**].
Rhinolophus eloquens K. Andersen, 1905
Ethiopia: 1, Kenya: 12, Tanzania: 17 [**30**].
Rhinolophus ferrumequinum (Schreber, 1774)
Algeria: 2, Morocco: 1 [**3**].
Rhinolophus fumigatus Rüppell, 1842
Burkina Faso: 1, Ethiopia: 3, Kenya: 6, Tanzania: 1 [**11**].
Rhinolophus hildebrandtii Peters, 1878
Congo (Democratic Republic of the): 11, Tanzania: 16 [**27**].
Rhinolophus landeri Martin, 1838
Burkina Faso: 7, Côte d'Ivoire: 6, Ethiopia: 1, Ghana: 1, Nigeria: 3, Sudan: 24, The Gambia: 9 [**51**].
Rhinolophus lobatus Peters, 1852
Burundi: 2, Congo (Democratic Republic of the): 8, Kenya: 5, Mozambique: 1, Tanzania: 19 [**35**].
Rhinolophus maendeleo Kock, Csorba and Howell, 2000
Tanzania: 3 [**3**].
Rhinolophus mehelyi Matschie, 1901
Algeria: 3, Morocco: 1, Tunisia: 200 [**204**].
Rhinolophus rhodesiae Roberts, 1946
Tanzania: 3, Zambia: 1 [**4**].
Rhinolophus simulator K. Andersen, 1904
Cameroon: 6, Congo (Democratic Republic of the): 30, Ethiopia: 2, Malawi: 1, South Africa: 10, Tanzania: 2, Zambia: 1 [**52**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mozambique: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Algeria: 1, Burkina Faso: 7, Egypt: 53, Ethiopia: 22, Sudan: 37, Tunisia: 1 [**121**].
Rhinopoma macinnesi Hayman, 1937
Kenya: 2 [**2**].
Rhinopoma microphyllum (Brünnich, 1782)
Burkina Faso: 1, Egypt: 8, Niger: 1, Sudan: 7 [**17**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Burundi: 7, Cameroon: 1, Congo (Democratic Republic of the): 6, Egypt: 33, Ethiopia: 13, Kenya: 9, Liberia: 1, Mozambique: 1, Rwanda: 3, South Africa: 11, Tanzania: 32, Zambia: 5 [**122**].
Rousettus obliviosus Kock, 1978
Comoros: 1 [**1**].
Sauromys petrophilus (Roberts, 1917)
Namibia: 1 [**1**].
Scotoecus albigula Thomas, 1909
Tanzania: 1 [**1**].
Scotoecus albofuscus (Thomas, 1890)
Tanzania: 1 [**1**].

Scotoecus hindei Thomas, 1901
Tanzania: 2 [**2**].
Scotoecus hirundo (de Winton, 1899)
Côte d'Ivoire: 4, Ethiopia: 4, Kenya: 6, Tanzania: 4, The Gambia: 1 [**19**].
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Congo (Democratic Republic of the): 5 [**5**].
Scotonycteris occidentalis Hayman, 1947
Liberia: 3 [**3**].
Scotonycteris zenkeri Matschie, 1894
Côte d'Ivoire: 1, Equatorial Guinea: 1 [**2**].
Scotophilus dinganii (A. Smith, 1833)
Burundi: 3, Congo (Democratic Republic of the): 4, Côte d'Ivoire: 1, Ethiopia: 1, Ghana: 1, Kenya: 17, Namibia: 7, South Africa: 1, Tanzania: 6, Zambia: 2 [**43**].
Scotophilus leucogaster (Cretzschmar, 1826)
Burkina Faso: 16, Côte d'Ivoire: 1, Mali: 2, Namibia: 1, Nigeria: 1, Senegal: 1, Sudan: 86, The Gambia: 6, Zambia: 1 [**115**].
Scotophilus nigrita (Schreber, 1774)
Sudan: 4, Tanzania: 1 [**5**].
Scotophilus nucella Robbins, 1983
Tanzania: 4 [**4**].
Scotophilus nux Thomas, 1904
Côte d'Ivoire: 2 [**2**].
Scotophilus robustus A. Milne-Edwards, 1881
Madagascar: 1 [**1**].
Scotophilus viridis (Peters, 1852)
Côte d'Ivoire: 5, Ethiopia: 4, Kenya: 1, Nigeria: 1, Senegal: 1, Tanzania: 22 [**34**].
Stenonycteris lanosus (Thomas, 1906)
Congo (Democratic Republic of the): 2, Ethiopia: 2, Rwanda: 1, Tanzania: 6 [**11**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Egypt: 2, Kenya: 1, Namibia: 2, Tanzania: 1 [**6**].
Tadarida fulminans (Thomas, 1903)
Tanzania: 1 [**1**].
Tadarida teniotis (Rafinesque, 1814)
Egypt: 2, Sudan: 1 [**3**].
Tadarida ventralis (Heuglin, 1861)
Tanzania: 1 [**1**].
Taphozous hamiltoni Thomas, 1920
Kenya: 2 [**2**].
Taphozous hildegardeae Thomas, 1909
Kenya: 32, Tanzania: 2 [**34**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Burundi: 2, Côte d'Ivoire: 3, Kenya: 4, Madagascar: 1, Nigeria: 1, South Sudan: 3, Sudan: 2, Tanzania: 36 [**52**].
Taphozous nudiventris Cretzschmar, 1830
Burkina Faso: 8, Egypt: 5, Ethiopia: 1, Sudan: 30 [**44**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Burkina Faso: 11, Congo (Democratic Republic of the): 3, Egypt: 10, Ethiopia: 1, Sudan: 14, Tanzania: 1 [**40**].
Triaenops Dobson, 1871
Tanzania: 1 [**1**].
Triaenops afer Peters, 1877
Ethiopia: 1, Kenya: 13, Mozambique: 3, Tanzania: 47 [**64**].
Triaenops menamena Goodman and Ranivo, 2009
Madagascar: 2 [**2**].

Total Specimens for SMF: 5958

SMG: Steve Goodman collectors number

CHIROPTERA Blumenbach, 1779
"Africa": 24 [**24**].
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007
Madagascar: 18 [**18**].

Total Specimens for SMG: 42

SMNS: Staatliches Museum für Naturkunde, Stuttgart

Chaerephon ansorgei (Thomas, 1913)
Nigeria: 2 [**2**].
Chaerephon bivittatus (Heuglin, 1861)
Eritrea: 3 [**3**].
Chaerephon major (Trouessart, 1897)
Nigeria: 4 [**4**].
Eidolon helvum (Kerr, 1792)
Ethiopia: 1 [**1**].
Epomophorus crypturus Peters, 1852

Botswana: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
Ethiopia: 2, South Sudan: 2, The Gambia: 1 [**5**].
Epomophorus gambianus gambianus (Ogilby, 1835)
Ethiopia: 4 [**4**].
Epomophorus labiatus (Temminck, 1837)
Congo (Democratic Republic of the): 2, Ethiopia: 4, South Sudan: 21, Sudan: 6, Tanzania: 6 [**39**].
Epomophorus minimus Claessen & De Vree, 1991
Ethiopia: 12 [**12**].
Epomophorus minor Dobson, 1880
Ethiopia: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 1, South Africa: 5, South Sudan: 2, Tanzania: 17 [**25**].
Epomops franqueti (Tomes, 1860)
Nigeria: 1, South Sudan: 6 [**7**].
Glauconycteris poensis (Gray, 1842)
Togo: 3 [**3**].
Hipposideros camerunensis Eisentraut, 1956
Cameroon: 3 [**3**].
Hipposideros megalotis (Heuglin, 1861)
Eritrea: 1 [**1**].
Hipposideros ruber (Noack, 1893)
Nigeria: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
Ethiopia: 5, Nigeria: 2, South Sudan: 21, Sudan: 11 [**39**].
Miniopterus inflatus Thomas, 1903
Nigeria: 1 [**1**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
South Sudan: 3 [**3**].
Myonycteris brachycephala (Bocage, 1889)
São Tomé and Principé: 2 [**2**].
Myotis welwitschii (Gray, 1866)
South Sudan: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
Ghana: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Namibia: 1, Nigeria: 1 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
Cameroon: 1, Gabon: 1 [**2**].
Nycteris arge Thomas, 1903
Cameroon: 4, South Sudan: 2 [**6**].
Nycteris gambiensis (K. Andersen, 1912)
Guinea: 7 [**7**].
Nycteris grandis Peters, 1865
Tanzania: 1 [**1**].
Nycteris macrotis Dobson, 1876
South Sudan: 7 [**7**].
Nycteris major (K. Andersen, 1912)
Cameroon: 2 [**2**].
Nycteris nana (K. Andersen, 1912)
South Sudan: 2 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Botswana: 2, Egypt: 2, Eritrea: 2, Guinea: 4, Kenya: 1, Namibia: 5, South Sudan: 3, Tanzania: 1, Zimbabwe: 1 [**22**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 2 [**2**].
Pipistrellus hesperidus (Temminck, 1840)
Nigeria: 2 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
Eritrea: 2 [**2**].
Rhinolophus denti Thomas, 1904
Guinea: 3 [**3**].
Rhinolophus fumigatus Rüppell, 1842
Ethiopia: 3 [**3**].
Rhinolophus guineensis Eisentraut, 1960
Guinea: 8 [**8**].
Rhinolophus hipposideros (Bechstein, 1800)
Eritrea: 1 [**1**].
Rhinolophus maclaudi Pousargues, 1898
Guinea: 3 [**3**].
Rhinopoma cystops Thomas, 1903
Egypt: 7 [**7**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Egypt: 2, Ethiopia: 3, South Africa: 2, South Sudan: 1, Sudan: 1, Tanzania: 12 [**21**].

Scotophilus leucogaster (Cretzschmar, 1826)
Eritrea: 2 [**2**].
Stenonycteris lanosus (Thomas, 1906)
South Sudan: 11 [**11**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Nigeria: 2 [**2**].
Tadarida ventralis (Heuglin, 1861)
Eritrea: 1 [**1**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 1 [**1**].

Total Specimens for SMNS: 281

SMTD: Staatliches Museum für Tierkunde, Dresden

Nycteris hispida (Schreber, 1774)
Malawi: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Egypt: 1, Tanzania: 1 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
São Tomé and Principé: 1 [**1**].

Total Specimens for SMTD: 4

SMW: State Museum, Windhoek

Chaerephon ansorgei (Thomas, 1913)
Angola: 1 [**1**].
Chaerephon chapini J.A. Allen, 1917
Namibia: 1 [**1**].
Chaerephon nigeriae Thomas, 1913
Namibia: 7 [**7**].
Chaerephon pumilus (Cretzschmar, 1826)
Namibia: 11 [**11**].
Cistugo seabrae Thomas, 1912
"Africa": 1, Namibia: 5 [**6**].
Eidolon helvum (Kerr, 1792)
Namibia: 9 [**9**].
Epomophorus angolensis Gray, 1870
Namibia: 8 [**8**].
Epomophorus crypturus Peters, 1852
Namibia: 1 [**1**].
Eptesicus hottentotus (A. Smith, 1833)
Namibia: 2 [**2**].
Glauconycteris variegata (Tomes, 1861)
Namibia: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
Angola: 1, Namibia: 14 [**15**].
Hipposideros ruber (Noack, 1893)
Angola: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
Namibia: 1 [**1**].
Laephotis botswanae Setzer, 1971
Namibia: 2 [**2**].
Laephotis namibensis Setzer, 1971
Namibia: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
Namibia: 6 [**6**].
Miniopterus inflatus Thomas, 1903
Namibia: 2 [**2**].
Miniopterus natalensis (A. Smith, 1833)
Namibia: 8 [**8**].
Mops (Mops) midas (Sundevall, 1843)
Namibia: 3 [**3**].
Neoromicia capensis (A. Smith, 1829)
Namibia: 7 [**7**].
Neoromicia nana (Peters, 1852)
Namibia: 2 [**2**].
Neoromicia zuluensis (Roberts, 1924)
Namibia: 5 [**5**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Namibia: 24 [**24**].
Nycticeinops schlieffenii (Peters, 1859)
Namibia: 3 [**3**].

Pipistrellus rueppellii (Fischer, 1829)
Namibia: 1 [**1**].
Rhinolophus damarensis Roberts, 1946
Angola: 2, Namibia: 11 [**13**].
Rhinolophus denti Thomas, 1904
Namibia: 5 [**5**].
Rhinolophus fumigatus Rüppell, 1842
Angola: 2, Namibia: 9 [**11**].
Sauromys petrophilus (Roberts, 1917)
Namibia: 35 [**35**].
Scotophilus Leach, 1821
Namibia: 18 [**18**].
Scotophilus dinganii (A. Smith, 1833)
Namibia: 35 [**35**].
Scotophilus leucogaster (Cretzschmar, 1826)
Namibia: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Angola: 1, Namibia: 38 [**39**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Namibia: 1 [**1**].
VESPERTILIONIDAE Gray, 1821
Namibia: 1 [**1**].

Total Specimens for SMW: 287

SNP: Skukuza National Park

Glauconycteris variegata (Tomes, 1861)
South Africa: 2 [**2**].
Kerivoula argentata Tomes, 1861
South Africa: 1 [**1**].
Myotis bocagii (Peters, 1870)
South Africa: 1 [**1**].
Myotis welwitschii (Gray, 1866)
South Africa: 3 [**3**].
Neoromicia helios (Heller, 1912)
South Africa: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
South Africa: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
South Africa: 2 [**2**].
Scotophilus nigrita (Schreber, 1774)
South Africa: 1 [**1**].

Total Specimens for SNP: 12

SRSITE: Null

CHIROPTERA Blumenbach, 1779
South Africa: 1 [**1**].

Total Specimens for SRSITE: 1

TAU: Tel Aviv University

Plecotus christii Gray, 1838
Egypt: 1 [**1**].

Total Specimens for TAU: 1

TM: Ditsong National Museum of Natural History

Cardioderma cor (Peters, 1872)
Tanzania: 4 [**4**].
Chaerephon ansorgei (Thomas, 1913)
South Africa: 17, Zimbabwe: 6 [**23**].
Chaerephon chapini J.A. Allen, 1917
Zimbabwe: 3 [**3**].
Chaerephon nigeriae Thomas, 1913
Namibia: 3, South Africa: 2, Zimbabwe: 3 [**8**].
Chaerephon pumilus (Cretzschmar, 1826)
"Africa": 1, Botswana: 1, Malawi: 1, Mozambique: 19, South Africa: 462, Swaziland: 19, Zimbabwe: 1 [**504**].
CHIROPTERA Blumenbach, 1779
"Africa": 5, South Africa: 3 [**8**].

Cistugo lesueuri Roberts, 1919
South Africa: 11 [**11**].
Cistugo seabrae Thomas, 1912
Namibia: 16, South Africa: 3 [**19**].
Cloeotis percivali Thomas, 1901
South Africa: 22, Swaziland: 3, Zimbabwe: 22 [**47**].
Coleura afra (Peters, 1852)
Tanzania: 3 [**3**].
Eidolon helvum (Kerr, 1792)
Congo (Democratic Republic of the): 18, South Africa: 7, Zambia: 1 [**26**].
Epomophorus Bennett, 1836
Namibia: 3 [**3**].
Epomophorus angolensis Gray, 1870
Namibia: 1 [**1**].
Epomophorus crypturus Peters, 1852
Botswana: 1, Malawi: 4, Namibia: 8, South Africa: 71, Swaziland: 1, Zambia: 1, Zimbabwe: 2 [**88**].
Epomophorus labiatus (Temminck, 1837)
Malawi: 4 [**4**].
Epomophorus wahlbergi (Sundevall, 1846)
"Africa": 1, Malawi: 1, Mozambique: 8, Namibia: 3, South Africa: 92, Swaziland: 12, Tanzania: 2, Zimbabwe: 4 [**123**].
Eptesicus hottentotus (A. Smith, 1833)
Malawi: 1, Namibia: 26, South Africa: 29 [**56**].
Glauconycteris variegata (Tomes, 1861)
South Africa: 19, Zimbabwe: 1 [**20**].
Hipposideros Gray, 1831
Namibia: 1 [**1**].
Hipposideros abae J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
"Africa": 9, Botswana: 1, Congo (Democratic Republic of the): 13, Mozambique: 20, Namibia: 9, South Africa: 191, Swaziland: 4, Tanzania: 7, Zambia: 1, Zimbabwe: 44 [**299**].
Hipposideros ruber (Noack, 1893)
Malawi: 1, Tanzania: 4 [**5**].
Hypsignathus monstrosus H. Allen, 1862
"Africa": 2, Congo (Democratic Republic of the): 9 [**11**].
Hypsugo anchietae (Seabra, 1900)
South Africa: 5, Swaziland: 2 [**7**].
Kerivoula argentata Tomes, 1861
Malawi: 2, Mozambique: 1, South Africa: 7 [**10**].
Kerivoula lanosa (A. Smith, 1847)
Mozambique: 1, South Africa: 8 [**9**].
Laephotis botswanae Setzer, 1971
Malawi: 1, South Africa: 7, Zimbabwe: 1 [**9**].
Laephotis namibensis Setzer, 1971
Namibia: 6, South Africa: 2 [**8**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Kenya: 1, Somalia: 6, Tanzania: 1 [**8**].
Macronycteris vittatus (Peters, 1852)
Botswana: 6, Congo (Democratic Republic of the): 17, Mozambique: 1, Namibia: 5, South Africa: 5, Tanzania: 1, Zambia: 2, Zimbabwe: 1 [**38**].
Miniopterus fraterculus Thomas and Schwann, 1906
South Africa: 60, Swaziland: 2 [**62**].
Miniopterus inflatus Thomas, 1903
Congo (Democratic Republic of the): 38, Malawi: 1, Zimbabwe: 4 [**43**].
Miniopterus natalensis (A. Smith, 1833)
Botswana: 1, Ethiopia: 1, Greece: 1, Malawi: 3, Mozambique: 5, Namibia: 23, South Africa: 443, Swaziland: 2, Zambia: 2, Zimbabwe: 8 [**489**].
MOLOSSIDAE Gervais, 1856
"Africa": 6, Mozambique: 3, Namibia: 3, South Africa: 8, Zimbabwe: 1 [**21**].
Mops (Mops) condylurus (A. Smith, 1833)
Malawi: 6, Mozambique: 35, South Africa: 320, Swaziland: 15, Zimbabwe: 1 [**377**].
Mops (Mops) midas (Sundevall, 1843)
Namibia: 6, South Africa: 46 [**52**].
Myonycteris angolensis (Bocage, 1898)
Congo (Democratic Republic of the): 6, Tanzania: 1 [**7**].
Myopterus whitleyi (Scharff, 1900)
Congo (Democratic Republic of the): 1 [**1**].
Myotis bocagii (Peters, 1870)
South Africa: 18 [**18**].
Myotis tricolor (Temminck, 1832)
South Africa: 133, Swaziland: 1, Zimbabwe: 6 [**140**].
Myotis welwitschii (Gray, 1866)
South Africa: 9, Zimbabwe: 1 [**10**].
Neoromicia capensis (A. Smith, 1829)
"Africa": 3, Botswana: 4, Lesotho: 2, Malawi: 4, Namibia: 27, South Africa: 846, Swaziland: 19, Zimbabwe: 16 [**921**].

Neoromicia helios (Heller, 1912)
South Africa: 5 [**5**].
Neoromicia nana (Peters, 1852)
Malawi: 8, Mozambique: 4, South Africa: 245, Swaziland: 1, Tanzania: 1, Zimbabwe: 25 [**284**].
Neoromicia rendalli (Thomas, 1889)
Zimbabwe: 2 [**2**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Botswana: 2, South Africa: 22, Zimbabwe: 3 [**27**].
Neoromicia zuluensis (Roberts, 1924)
Botswana: 1, Namibia: 5, South Africa: 50, Swaziland: 2, Zambia: 1 [**59**].
Nycteris G. Cuvier and E. Geoffroy, 1795
"Africa": 32, Namibia: 8, South Africa: 1, Zimbabwe: 1 [**42**].
Nycteris arge Thomas, 1903
Congo (Democratic Republic of the): 1 [**1**].
Nycteris grandis Peters, 1865
Congo (Democratic Republic of the): 2, Zimbabwe: 1 [**3**].
Nycteris hispida (Schreber, 1774)
Namibia: 1, Tanzania: 1 [**2**].
Nycteris macrotis Dobson, 1876
Congo (Democratic Republic of the): 4, Malawi: 1 [**5**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 11, Botswana: 1, Mozambique: 13, Namibia: 45, South Africa: 254, Swaziland: 5, Tanzania: 1, Zimbabwe: 35 [**365**].
Nycteris woodi K. Andersen, 1914
South Africa: 9, Zambia: 2, Zimbabwe: 5 [**16**].
Nycticeinops schlieffenii (Peters, 1859)
Botswana: 4, Mozambique: 2, Namibia: 1, South Africa: 302, Swaziland: 2, Zimbabwe: 7 [**318**].
Otomops martiensseni (Matschie, 1897)
South Africa: 24 [**24**].
Pipistrellus grandidieri (Dobson, 1876)
Malawi: 3 [**3**].
Pipistrellus hesperidus (Temminck, 1840)
Botswana: 1, Malawi: 1, South Africa: 48, Swaziland: 7, Tanzania: 2, Zimbabwe: 8 [**67**].
Pipistrellus rueppellii (Fischer, 1829)
Botswana: 3, South Africa: 9 [**12**].
Pipistrellus rusticus (Tomes, 1861)
South Africa: 359, Zimbabwe: 1 [**360**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 2 [**2**].
Rhinolophus Lacépède, 1799
"Africa": 87, South Africa: 70, Zambia: 2 [**159**].
Rhinolophus blasii Peters, 1867
Malawi: 2, South Africa: 64, Zimbabwe: 1 [**67**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 38 [**38**].
Rhinolophus clivosus Cretzschmar, 1828
"Africa": 20, Ethiopia: 1, Malawi: 3, Mozambique: 2, Namibia: 2, South Africa: 321, Swaziland: 6, Zimbabwe: 7 [**362**].
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
South Africa: 2 [**2**].
Rhinolophus damarensis Roberts, 1946
Namibia: 14, South Africa: 20 [**34**].
Rhinolophus darlingi K. Andersen, 1905
Malawi: 1, South Africa: 100, Swaziland: 3, Zimbabwe: 5 [**109**].
Rhinolophus denti Thomas, 1904
Botswana: 2, South Africa: 121 [**123**].
Rhinolophus fumigatus Rüppell, 1842
Congo (Democratic Republic of the): 223, Namibia: 5, South Africa: 17, Zimbabwe: 1 [**246**].
Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018
Mozambique: 1 [**1**].
Rhinolophus lobatus Peters, 1852
Congo (Democratic Republic of the): 1, Malawi: 1, Mozambique: 11, South Africa: 5, Zimbabwe: 19 [**37**].
Rhinolophus rhodesiae Roberts, 1946
South Africa: 7, Zimbabwe: 1 [**8**].
Rhinolophus simulator K. Andersen, 1904
"Africa": 1, South Africa: 196, Swaziland: 2, Zimbabwe: 8 [**207**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Malawi: 2, South Africa: 58, Zambia: 1, Zimbabwe: 28 [**89**].
Rhinolophus swinnyi Gough, 1908
South Africa: 23 [**23**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Congo (Democratic Republic of the): 206, Mozambique: 2, South Africa: 278, Zimbabwe: 25 [**511**].
Sauromys petrophilus (Roberts, 1917)
Botswana: 5, Mozambique: 4, Namibia: 89, South Africa: 91, Zimbabwe: 5 [**194**].
Sauromys petrophilus haagneri (Roberts, 1917)
Namibia: 1 [**1**].

Scotoecus albofuscus (Thomas, 1890)
Zambia: 1 [**1**].
Scotoecus hindei Thomas, 1901
Malawi: 4 [**4**].
Scotophilus Leach, 1821
Botswana: 1, Mozambique: 2, South Africa: 161, Zimbabwe: 3 [**167**].
Scotophilus dinganii (A. Smith, 1833)
"Africa": 13, Malawi: 2, Mozambique: 6, Namibia: 1, South Africa: 409, Swaziland: 4, Zambia: 2, Zimbabwe: 17 [**454**].
Scotophilus leucogaster (Cretzschmar, 1826)
South Africa: 9, Zimbabwe: 3 [**12**].
Scotophilus nigrita (Schreber, 1774)
South Africa: 1 [**1**].
Scotophilus viridis (Peters, 1852)
Mozambique: 2, South Africa: 105, Swaziland: 1, Zambia: 1, Zimbabwe: 20 [**129**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Botswana: 3, Mozambique: 6, Namibia: 55, South Africa: 245, Swaziland: 3, Zimbabwe: 4 [**316**].
Tadarida fulminans (Thomas, 1903)
Namibia: 1, South Africa: 3, Zimbabwe: 23 [**27**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
South Africa: 49 [**49**].
Triaenops afer Peters, 1877
"Africa": 15, Mozambique: 23, Zimbabwe: 1 [**39**].
VESPERTILIONIDAE Gray, 1821
South Africa: 1 [**1**].
Vespertilioninae Gray, 1821
South Africa: 4 [**4**].

Total Specimens for TM: 8510

TTU: Texas Tech University (The Museum)

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Tunisia: 54 [**54**].
Cardioderma cor (Peters, 1872)
Kenya: 1, Somalia: 1 [**2**].
Chaerephon nigeriae Thomas, 1913
Zimbabwe: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Cameroon: 2 [**2**].
Chaerephon russatus J.A. Allen, 1917
Cameroon: 1 [**1**].
Cloeotis percivali Thomas, 1901
Zambia: 1 [**1**].
Coleura afra (Peters, 1852)
Kenya: 10, Somalia: 1 [**11**].
Eidolon helvum (Kerr, 1792)
Niger: 2 [**2**].
Epomophorus labiatus (Temminck, 1837)
Cameroon: 2, Somalia: 1 [**3**].
Epomophorus wahlbergi (Sundevall, 1846)
Somalia: 1, South Africa: 2 [**3**].
Epomops franqueti (Tomes, 1860)
Cameroon: 5 [**5**].
Eptesicus isabellinus (Temminck, 1840)
Tunisia: 22 [**22**].
Hipposideros caffer (Sundevall, 1846)
Cameroon: 27, Kenya: 1, Mozambique: 1, South Africa: 1, Zambia: 1 [**31**].
Hipposideros ruber (Noack, 1893)
Tanzania: 2 [**2**].
Hypsugo savii (Bonaparte, 1837)
Tunisia: 2 [**2**].
Macronycteris vittatus (Peters, 1852)
Mozambique: 1, Zambia: 1 [**2**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 5 [**5**].
Micropteropus pusillus (Peters, 1868)
Cameroon: 2 [**2**].
Mimetillus moloneyi (Thomas, 1891)
Cameroon: 3 [**3**].
Miniopterus africanus Sanborn, 1936
Kenya: 1 [**1**].
Miniopterus fraterculus Thomas and Schwann, 1906
Mozambique: 2 [**2**].
Miniopterus natalensis (A. Smith, 1833)
South Africa: 1, Zambia: 7 [**8**].

Miniopterus schreibersii (Kuhl, 1817)
Tunisia: 73 [**73**].
Mops (Mops) congicus J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Cameroon: 1 [**1**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Cameroon: 1 [**1**].
Mops (Xiphonycteris) petersoni (El Rayah, 1981)
Cameroon: 4 [**4**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
Cameroon: 7 [**7**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Cameroon: 12 [**12**].
Myonycteris angolensis (Bocage, 1898)
Cameroon: 2 [**2**].
Myonycteris torquata (Dobson, 1878)
Cameroon: 3 [**3**].
Myotis bocagii cupreolus Thomas, 1904
Cameroon: 2 [**2**].
Myotis capaccinii (Bonaparte, 1837)
Tunisia: 18 [**18**].
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
Tunisia: 13 [**13**].
Myotis punicus Felten, 1977
Tunisia: 117 [**117**].
Nanonycteris veldkampii (Jentink, 1888)
Cameroon: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Kenya: 1, Mozambique: 1, South Africa: 2 [**4**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
Tunisia: 26 [**26**].
Pipistrellus pipistrellus (Schreber, 1774)
Tunisia: 4 [**4**].
Plecotus teneriffae Barrett-Hamilton, 1907
Tunisia: 41 [**41**].
Rhinolophus Lacépède, 1799
Tunisia: 2 [**2**].
Rhinolophus blasii Peters, 1867
Tunisia: 26 [**26**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 2 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
South Africa: 1 [**1**].
Rhinolophus euryale Blasius, 1853
Tunisia: 19 [**19**].
Rhinolophus ferrumequinum (Schreber, 1774)
Tunisia: 21 [**21**].
Rhinolophus hildebrandtii Peters, 1878
Kenya: 1 [**1**].
Rhinolophus hipposideros (Bechstein, 1800)
Tunisia: 7 [**7**].
Rhinolophus lobatus Peters, 1852
Mozambique: 1 [**1**].
Rhinolophus mehelyi Matschie, 1901
Tunisia: 62 [**62**].
Rhinolophus simulator K. Andersen, 1904
South Africa: 4, Zambia: 7 [**11**].
Rhinopoma cystops Thomas, 1903
Egypt: 1, Israel: 1, Tunisia: 2 [**4**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Cameroon: 8, Kenya: 1 [**9**].
Saccolaimus peli (Temminck, 1853)
Congo (Democratic Republic of the): 1 [**1**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
Cameroon: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
Niger: 1 [**1**].
Scotophilus nigrita (Schreber, 1774)
Niger: 17 [**17**].

Scotophilus nux Thomas, 1904
Cameroon: 3 [**3**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Kenya: 2 [**2**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 2 [**2**].
Triaenops afer Peters, 1877
Mozambique: 1, Somalia: 1 [**2**].

Total Specimens for TTU: 693

UA: Département de Paléontologie et Anthropologie Biologique, Université d'Antananarivo

Eidolon dupreanum (Schegel, 1867)
Madagascar: 14 [**14**].
Hipposideros besaoka Samonds, 2007
Madagascar: 629 [**629**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 10 [**10**].
Myotis goudoti (A. Smith, 1834)
Madagascar: 1 [**1**].
Rousettus madagascariensis G. Grandidier, 1929
Madagascar: 2 [**2**].
Triaenops Dobson, 1871
Madagascar: 3 [**3**].
Triaenops goodmani Samonds, 2007
Madagascar: 3 [**3**].

Total Specimens for UA: 662

UADBA: Université d'Antananarivo, Departement de Biologie Animale, Antananarivo

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
Madagascar: 22 [**22**].
Chaerephon jobimena Goodman and Cardiff, 2004
Madagascar: 3 [**3**].
Chaerephon leucogaster (A. Grandidier, 1869)
Madagascar: 35 [**35**].
Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
Madagascar: 1 [**1**].
Eidolon dupreanum (Schegel, 1867)
Madagascar: 6 [**6**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 55 [**55**].
Miniopterus Bonaparte, 1837
Madagascar: 4 [**4**].
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
Madagascar: 20 [**20**].
Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015
Madagascar: 6 [**6**].
Miniopterus gleni Peterson, Eger and Mitchell, 1995
Madagascar: 20 [**20**].
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Madagascar: 1 [**1**].
Miniopterus griveaudi Harrison, 1959
Madagascar: 38 [**38**].
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009
Madagascar: 32 [**32**].
Miniopterus majori Thomas, 1906
Madagascar: 19 [**19**].
Miniopterus manavi Thomas, 1906
Madagascar: 4 [**4**].
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Madagascar: 2 [**2**].
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Madagascar: 10 [**10**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
Madagascar: 31 [**31**].
Mops (Mops) midas (Sundevall, 1843)
Madagascar: 10 [**10**].
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Réunion: 29 [**29**].
Mormopterus jugularis (Peters, 1865)
Madagascar: 43 [**43**].

Myotis goudoti (A. Smith, 1834)
Madagascar: 30 [**30**].
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878
Madagascar: 6 [**6**].
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007
Madagascar: 5 [**5**].
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995)
Madagascar: 2 [**2**].
Neoromicia matroka (Thomas and Schwann, 1905)
Madagascar: 1 [**1**].
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012
Madagascar: 2 [**2**].
Otomops madagascariensis Dorst, 1953
Madagascar: 20 [**20**].
Paratriaenops auritus (G. Grandidier, 1912)
Madagascar: 1 [**1**].
Paratriaenops furculus (Trouessart, 1907)
Madagascar: 16 [**16**].
Paremballonura atrata (Peters, 1874)
Madagascar: 10 [**10**].
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Madagascar: 6 [**6**].
Pipistrellus hesperidus (Temminck, 1840)
Madagascar: 3 [**3**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 10 [**10**].
Rousettus madagascariensis G. Grandidier, 1929
Madagascar: 41 [**41**].
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006
Madagascar: 4 [**4**].
Scotophilus robustus A. Milne-Edwards, 1881
Madagascar: 7 [**7**].
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005
"Africa": 1, Madagascar: 1 [**2**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Madagascar: 3 [**3**].
Triaenops goodmani Samonds, 2007
Madagascar: 1 [**1**].
Triaenops menamena Goodman and Ranivo, 2009
Madagascar: 34 [**34**].

Total Specimens for UADBA: 595

UANK: Ukrainian Academy of Science, Kiev

Plecotus teneriffae Barrett-Hamilton, 1907
Algeria: 2 [**2**].

Total Specimens for UANK: 2

UCLA: University of California, Los Angeles (Donald R. Dickey Bird and Mammal Collection)

Chaerephon pumilus (Cretzschmar, 1826)
Kenya: 1 [**1**].

Total Specimens for UCLA: 1

UCM: University of Colorado Museum of Natural History

Chaerephon nigeriae Thomas, 1913
Niger: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
Niger: 2 [**2**].
Epomophorus gambianus gambianus (Ogilby, 1835)
Niger: 1 [**1**].
Hipposideros tephrus (Cabrera, 1906)
Niger: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Niger: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
Niger: 1 [**1**].
Myotis bocagii (Peters, 1870)
Niger: 1 [**1**].
Neoromicia nana (Peters, 1852)
Niger: 1 [**1**].

Neoromicia rendalli (Thomas, 1889)
Niger: 1 [**1**].
Nycteris macrotis Dobson, 1876
Niger: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
Tunisia: 5 [**5**].
Rhinolophus fumigatus Rüppell, 1842
Niger: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
Niger: 1 [**1**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Niger: 1 [**1**].

Total Specimens for UCM: 20

UCT: South African Museum, Cape Town (University of Cape Town Collection Number)

CHIROPTERA Blumenbach, 1779
"Africa": 1 [**1**].

Total Specimens for UCT: 1

UMMZ: University of Michigan, Museum of Zoology

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Egypt: 20 [**20**].
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Réunion: 7 [**7**].
Pipistrellus rueppellii (Fischer, 1829)
Egypt: 2 [**2**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Egypt: 1, Kenya: 1 [**2**].

Total Specimens for UMMZ: 31

UMNG: Université Marien Ngouabi

Myonycteris torquata (Dobson, 1878)
Congo: 7 [**7**].

Total Specimens for UMNG: 7

UNIKIS: Université de Kisangani

Cardioderma cor (Peters, 1872)
Congo (Democratic Republic of the): 1 [**1**].
Casinycteris argynnis Thomas, 1910
Congo (Democratic Republic of the): 33 [**33**].
CHIROPTERA Blumenbach, 1779
Congo (Democratic Republic of the): 64 [**64**].
Doryrhina cyclops (Temminck, 1853)
Congo (Democratic Republic of the): 7 [**7**].
Eidolon helvum (Kerr, 1792)
Congo (Democratic Republic of the): 4 [**4**].
Epomops Gray, 1866
Congo (Democratic Republic of the): 4 [**4**].
Epomops franqueti (Tomes, 1860)
Congo (Democratic Republic of the): 194 [**194**].
Glauconycteris Dobson, 1875
Congo (Democratic Republic of the): 1 [**1**].
Glauconycteris beatrix Thomas, 1901
Congo (Democratic Republic of the): 1 [**1**].
Glauconycteris superba Hayman, 1939
Congo (Democratic Republic of the): 1 [**1**].
Hipposideros Gray, 1831
Congo (Democratic Republic of the): 8 [**8**].
Hipposideros beatus (K. Andersen, 1906)
Congo (Democratic Republic of the): 9 [**9**].
Hipposideros caffer (Sundevall, 1846)
Congo (Democratic Republic of the): 13 [**13**].
Hipposideros ruber (Noack, 1893)
Congo (Democratic Republic of the): 9 [**9**].
Hypsignathus monstrosus H. Allen, 1862
Congo (Democratic Republic of the): 8 [**8**].

Kerivoula smithii Thomas, 1880
Congo (Democratic Republic of the): 6 [**6**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Congo (Democratic Republic of the): 1 [**1**].
Macronycteris vittatus (Peters, 1852)
Congo (Democratic Republic of the): 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
Congo (Democratic Republic of the): 169 [**169**].
Micropteropus Matschie, 1899
Congo (Democratic Republic of the): 23 [**23**].
Micropteropus pusillus (Peters, 1868)
Congo (Democratic Republic of the): 1 [**1**].
Mimetillus moloneyi (Thomas, 1891)
Congo (Democratic Republic of the): 6 [**6**].
Mops (Mops) condylurus (A. Smith, 1833)
Congo (Democratic Republic of the): 74 [**74**].
Myonycteris torquata (Dobson, 1878)
Congo (Democratic Republic of the): 318 [**318**].
Myotis bocagii (Peters, 1870)
Congo (Democratic Republic of the): 18 [**18**].
Neoromicia nana (Peters, 1852)
Congo (Democratic Republic of the): 1 [**1**].
Nycteris arge Thomas, 1903
Congo (Democratic Republic of the): 1 [**1**].
Nycteris major (K. Andersen, 1912)
Congo (Democratic Republic of the): 1 [**1**].
Nycteris nana (K. Andersen, 1912)
Congo (Democratic Republic of the): 1 [**1**].
Nycticeinops schlieffenii (Peters, 1859)
Congo (Democratic Republic of the): 2 [**2**].
Rhinolophus Lacépède, 1799
Congo (Democratic Republic of the): 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Congo (Democratic Republic of the): 34 [**34**].
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Congo (Democratic Republic of the): 19 [**19**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Congo (Democratic Republic of the): 1 [**1**].

Total Specimens for UNIKIS: 1036

UNSW: Vertebrate Palaeontology Collection, University of New South Wales

Macronycteris Gray, 1866
"Africa": 1 [**1**].

Total Specimens for UNSW: 1

USNM: United States National Museum

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Chad: 4, Egypt: 128, Mauritania: 42, Morocco: 49, Senegal: 84, Somalia: 7, Sudan: 2, The Gambia: 32 [**348**].
Cardioderma cor (Peters, 1872)
Ethiopia: 20, Kenya: 38, Somalia: 2, South Sudan: 2, Tanzania: 1 [**63**].
Casinycteris ophiodon (Pohle, 1943)
Liberia: 4 [**4**].
Chaerephon Dobson, 1874
South Sudan: 5 [**5**].
Chaerephon aloysiisabaudiae (Festa, 1907)
"Africa": 1, Congo (Democratic Republic of the): 1, Ghana: 8 [**10**].
Chaerephon ansorgei (Thomas, 1913)
Mozambique: 1 [**1**].
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
Madagascar: 12 [**12**].
Chaerephon bemmeleni (Jentink, 1879)
Sierra Leone: 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
"Africa": 3, Kenya: 66 [**69**].
Chaerephon chapini J.A. Allen, 1917
Botswana: 9 [**9**].
Chaerephon leucogaster (A. Grandidier, 1869)
Madagascar: 4 [**4**].
Chaerephon major (Trouessart, 1897)
Burkina Faso: 42, Congo (Democratic Republic of the): 8, Ghana: 24, South Sudan: 1, Togo: 52 [**127**].

Chaerephon nigeriae Thomas, 1913
"Africa": 2, Botswana: 9, Congo (Democratic Republic of the): 2, Ethiopia: 1 [**14**].
Chaerephon nigeriae nigeriae Thomas, 1913
Benin: 1, Ghana: 1, Nigeria: 1, Sierra Leone: 2 [**5**].
Chaerephon nigeriae spillmanni (Monard, 1933)
Zambia: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
Angola: 8, Benin: 386, Botswana: 100, Burkina Faso: 57, Chad: 3, Congo (Democratic Republic of the): 8, Eritrea: 6, Ethiopia: 7, Ghana: 122, Kenya: 358, Madagascar: 1, Mozambique: 79, Niger: 4, Nigeria: 141, Senegal: 3, Seychelles: 1, Sierra Leone: 15, South Africa: 88, South Sudan: 26, Sudan: 5, Tanzania: 8, The Gambia: 5, Togo: 74, Zimbabwe: 1 [**1506**].
Chaerephon pusillus (Miller, 1902)
Seychelles: 2 [**2**].
Chaerephon russatus J.A. Allen, 1917
Congo (Democratic Republic of the): 1 [**1**].
Cistugo seabrae Thomas, 1912
South Africa: 1 [**1**].
Cloeotis percivali Thomas, 1901
South Africa: 1, Zimbabwe: 1 [**2**].
Coleura afra (Peters, 1852)
Kenya: 35, Nigeria: 43, South Sudan: 6, Tanzania: 1 [**85**].
Doryrhina cyclops (Temminck, 1853)
Benin: 1, Cameroon: 7, Congo (Democratic Republic of the): 3, Gabon: 2, Ghana: 44, Sierra Leone: 3, The Gambia: 1, Togo: 1, Uganda: 8 [**70**].
Eidolon helvum (Kerr, 1792)
Benin: 53, Burkina Faso: 5, Cameroon: 1, Congo (Democratic Republic of the): 2, Côte d'Ivoire: 1, Equatorial Guinea: 1, Ethiopia: 7, Ghana: 38, Liberia: 1, Nigeria: 69, São Tomé and Principé: 1, Senegal: 4, Sierra Leone: 4, South Sudan: 6, Tanzania: 2, Togo: 6, Zambia: 1 [**202**].
Eidolon helvum helvum (Kerr, 1792)
Senegal: 73 [**73**].
Epomophorus Bennett, 1836
Botswana: 4, Ethiopia: 5, South Sudan: 22 [**31**].
Epomophorus crypturus Peters, 1852
Botswana: 29, Mozambique: 13, South Africa: 1, Zimbabwe: 8 [**51**].
Epomophorus gambianus (Ogilby, 1835)
Benin: 87, Burkina Faso: 177, Chad: 2, Côte d'Ivoire: 10, Ethiopia: 39, Gabon: 2, Ghana: 466, Guinea-Bissau: 1, Niger: 3, Nigeria: 145, Senegal: 16, Sierra Leone: 1, South Sudan: 5, The Gambia: 11, Togo: 10 [**975**].
Epomophorus gambianus gambianus (Ogilby, 1835)
Chad: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Chad: 1, Congo (Democratic Republic of the): 2, Ethiopia: 53, Kenya: 75, South Sudan: 115, Tanzania: 3, Uganda: 25 [**274**].
Epomophorus minimus Claessen & De Vree, 1991
Ethiopia: 46, Kenya: 5, Uganda: 2 [**53**].
Epomophorus minor Dobson, 1880
Kenya: 5, Tanzania: 2 [**7**].
Epomophorus wahlbergi (Sundevall, 1846)
Angola: 1, Cameroon: 1, Gabon: 139, Kenya: 53, Mozambique: 37, Somalia: 1, South Africa: 14, Tanzania: 7, Zimbabwe: 3 [**256**].
Epomops buettikoferi (Matschie, 1899)
Côte d'Ivoire: 18, Ghana: 73, Liberia: 10 [**101**].
Epomops franqueti (Tomes, 1860)
Benin: 1, Cameroon: 12, Congo (Democratic Republic of the): 6, Côte d'Ivoire: 3, Gabon: 13, Ghana: 251, Liberia: 23, Nigeria: 52, Sierra Leone: 71, South Sudan: 11, Togo: 2 [**445**].
Eptesicus Rafinesque, 1820
Namibia: 1 [**1**].
Eptesicus hottentotus (A. Smith, 1833)
Kenya: 1, Mozambique: 5, Namibia: 3, South Africa: 2 [**11**].
Eptesicus isabellinus (Temminck, 1840)
Algeria: 9 [**9**].
Glauconycteris Dobson, 1875
South Africa: 1, South Sudan: 6 [**7**].
Glauconycteris alboguttata J.A. Allen, 1917
Cameroon: 1 [**1**].
Glauconycteris argentata (Dobson, 1875)
Congo (Democratic Republic of the): 1, Kenya: 3, Tanzania: 3 [**7**].
Glauconycteris beatrix Thomas, 1901
Cameroon: 2, Gabon: 1, Ghana: 1, South Sudan: 1 [**5**].
Glauconycteris curryae Eger and Schlitter, 2001
Gabon: 1 [**1**].
Glauconycteris poensis (Gray, 1842)
Benin: 1, Côte d'Ivoire: 4, Ghana: 30, Sierra Leone: 2, South Sudan: 7, Togo: 2 [**46**].
Glauconycteris superba Hayman, 1939
South Sudan: 4 [**4**].
Glauconycteris variegata (Tomes, 1861)
Benin: 2, Botswana: 2, Ghana: 2, Mozambique: 1, Nigeria: 3, South Sudan: 25 [**35**].

Hipposideros Gray, 1831
Niger: 1, Nigeria: 100, South Sudan: 46 [**147**].
Hipposideros abae J.A. Allen, 1917
Burkina Faso: 4, Ghana: 1, Sierra Leone: 11 [**16**].
Hipposideros beatus (K. Andersen, 1906)
Cameroon: 2, Congo (Democratic Republic of the): 2, Ghana: 6, Liberia: 1, Nigeria: 1, Senegal: 5 [**17**].
Hipposideros caffer (Sundevall, 1846)
Angola: 1, Benin: 7, Botswana: 33, Congo (Democratic Republic of the): 7, Gabon: 3, Ghana: 2, Kenya: 66, Mozambique: 39, Niger: 1, Nigeria: 122, Senegal: 9, Sierra Leone: 9, South Africa: 4, South Sudan: 32, Tanzania: 4, Togo: 10, Zimbabwe: 3 [**352**].
Hipposideros curtus G.M. Allen, 1921
Cameroon: 1 [**1**].
Hipposideros fuliginosus (Temminck, 1853)
Cameroon: 1, Congo (Democratic Republic of the): 1, Ghana: 51, Liberia: 10, Sierra Leone: 2 [**65**].
Hipposideros jonesi Hayman, 1947
Burkina Faso: 38, Ghana: 7, Nigeria: 1 [**46**].
Hipposideros lamottei Brosset, 1985
Liberia: 1 [**1**].
Hipposideros megalotis (Heuglin, 1861)
Kenya: 2 [**2**].
Hipposideros ruber (Noack, 1893)
Burkina Faso: 45, Cameroon: 5, Congo (Democratic Republic of the): 20, Ghana: 31, Kenya: 90, Liberia: 11, Mozambique: 59, Niger: 2, Nigeria: 35, Senegal: 18, Sierra Leone: 72, South Sudan: 83, Tanzania: 649, Togo: 25 [**1145**].
Hipposideros tephrus (Cabrera, 1906)
Benin: 21, Burkina Faso: 13, Ghana: 115, Mauritania: 5, Morocco: 1, Nigeria: 36, Senegal: 34, Sierra Leone: 8, Sudan: 1, The Gambia: 11 [**245**].
Hypsignathus monstrosus H. Allen, 1862
Burkina Faso: 12, Congo (Democratic Republic of the): 3, Côte d'Ivoire: 14, Gabon: 2, Ghana: 24, Nigeria: 4, Sierra Leone: 1, South Sudan: 2, Togo: 2 [**64**].
Hypsugo anchietae (Seabra, 1900)
South Sudan: 1 [**1**].
Hypsugo eisentrauti (Hill, 1968)
Côte d'Ivoire: 2 [**2**].
Hypsugo musciculus (Thomas, 1913)
Sierra Leone: 1 [**1**].
Hypsugo savii (Bonaparte, 1837)
Benin: 1, Cape Verde: 2, Morocco: 1 [**4**].
Kerivoula lanosa (A. Smith, 1847)
Botswana: 4 [**4**].
Kerivoula phalaena Thomas, 1912
Cameroon: 1, Gabon: 1 [**2**].
Laephotis botswanae Setzer, 1971
Botswana: 3 [**3**].
Laephotis namibensis Setzer, 1971
Namibia: 2 [**2**].
Laephotis wintoni Thomas, 1901
Ethiopia: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Burkina Faso: 37, Chad: 1, Ethiopia: 16, Ghana: 11, Kenya: 48, Nigeria: 2, Sierra Leone: 1, Somalia: 3, South Sudan: 45, Sudan: 1, Tanzania: 1, Togo: 75, Uganda: 47 [**288**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 8 [**8**].
Macronycteris gigas (Wagner, 1845)
Angola: 2, Benin: 1, Burkina Faso: 3, Cameroon: 2, Congo (Democratic Republic of the): 1, Gabon: 1, Ghana: 16, Sierra Leone: 1, Togo: 3 [**30**].
Macronycteris vittatus (Peters, 1852)
Botswana: 58, Ethiopia: 1, Kenya: 23, Tanzania: 3, Zambia: 1, Zimbabwe: 1 [**87**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Côte d'Ivoire: 1, Ghana: 52, Liberia: 8, Nigeria: 2, Sierra Leone: 1 [**64**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 8, Congo (Democratic Republic of the): 1, Gabon: 8, Nigeria: 1 [**18**].
Micropteropus pusillus (Peters, 1868)
Benin: 18, Burkina Faso: 4, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 4, Ethiopia: 23, Gabon: 2, Ghana: 279, Kenya: 1, Liberia: 1, Nigeria: 90, Sierra Leone: 15, South Sudan: 33, The Gambia: 2, Togo: 2, Uganda: 1 [**476**].
Mimetillus moloneyi (Thomas, 1891)
Congo (Democratic Republic of the): 1, Ghana: 9, Liberia: 1, Sierra Leone: 3 [**14**].
Miniopterus Bonaparte, 1837
Madagascar: 28, South Sudan: 4 [**32**].
Miniopterus africanus Sanborn, 1936
Kenya: 73 [**73**].
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
Madagascar: 3 [**3**].
Miniopterus fraterculus Thomas and Schwann, 1906
Mozambique: 1, South Africa: 14 [**15**].
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Madagascar: 3 [**3**].

Miniopterus inflatus Thomas, 1903
Sierra Leone: 6 [**6**].
Miniopterus inflatus inflatus Thomas, 1903
Kenya: 10 [**10**].
Miniopterus majori Thomas, 1906
Madagascar: 25 [**25**].
Miniopterus manavi Thomas, 1906
Madagascar: 59 [**59**].
Miniopterus minor Peters, 1867
Kenya: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
Kenya: 129, Mozambique: 45, Namibia: 1, South Africa: 176, South Sudan: 3, Zambia: 3, Zimbabwe: 1 [**358**].
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Madagascar: 52 [**52**].
Miniopterus schreibersii (Kuhl, 1817)
Algeria: 1, Morocco: 160, Tunisia: 4 [**165**].
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Madagascar: 3 [**3**].
MOLOSSIDAE Gervais, 1856
South Sudan: 108 [**108**].
Mops Lesson, 1842
Zambia: 1, Zimbabwe: 6 [**7**].
Mops (Mops) condylurus (A. Smith, 1833)
Angola: 1, Benin: 126, Botswana: 28, Congo (Democratic Republic of the): 13, Ethiopia: 3, Ghana: 473, Guinea-Bissau: 2, Kenya: 154, Madagascar: 101, Mauritania: 103, Mozambique: 329, Nigeria: 241, Senegal: 109, Sierra Leone: 20, South Africa: 3, The Gambia: 3, Togo: 60 [**1769**].
Mops (Mops) congicus J.A. Allen, 1917
Congo (Democratic Republic of the): 7 [**7**].
Mops (Mops) demonstrator (Thomas, 1903)
Ghana: 1, South Sudan: 1 [**2**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
Madagascar: 1 [**1**].
Mops (Mops) midas (Sundevall, 1843)
"Africa": 1, Botswana: 10, Burkina Faso: 1, Congo (Democratic Republic of the): 2, Madagascar: 33, Namibia: 1, South Africa: 10 [**58**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
Mozambique: 2 [**2**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Benin: 4, Congo (Democratic Republic of the): 3, Ghana: 97, Senegal: 1, Sierra Leone: 2 [**107**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Benin: 5, Congo (Democratic Republic of the): 6, Ghana: 20 [**31**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
Congo (Democratic Republic of the): 3, Equatorial Guinea: 2, Ghana: 49, Sierra Leone: 1 [**55**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Congo (Democratic Republic of the): 13, Ghana: 264, Liberia: 1, Sierra Leone: 10, Togo: 6 [**294**].
Mormopterus jugularis (Peters, 1865)
"Africa": 3, Madagascar: 123 [**126**].
Myonycteris angolensis (Bocage, 1898)
Burkina Faso: 2, Congo (Democratic Republic of the): 10, Ethiopia: 3, Ghana: 35, Kenya: 16, Liberia: 1, Nigeria: 2, Sierra Leone: 1, Togo: 1, Uganda: 1 [**72**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
Kenya: 2 [**2**].
Myonycteris angolensis smithii (Thomas, 1908)
Côte d'Ivoire: 37 [**37**].
Myonycteris leptodon K. Andersen, 1908
Côte d'Ivoire: 2, Ghana: 63, Liberia: 18 [**83**].
Myonycteris torquata (Dobson, 1878)
Cameroon: 2, Congo (Democratic Republic of the): 2, Gabon: 25, Nigeria: 4 [**33**].
Myopterus daubentonii Desmarest, 1820
Senegal: 1 [**1**].
Myopterus whitleyi (Scharff, 1900)
Nigeria: 1 [**1**].
Myotis bocagii (Peters, 1870)
Congo (Democratic Republic of the): 6, Niger: 1 [**7**].
Myotis bocagii bocagii (Peters, 1870)
Congo (Democratic Republic of the): 3, Kenya: 2, Uganda: 2 [**7**].
Myotis bocagii cupreolus Thomas, 1904
Côte d'Ivoire: 1, Ghana: 2, Sierra Leone: 3 [**6**].
Myotis capaccinii (Bonaparte, 1837)
Morocco: 9 [**9**].
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
Morocco: 3 [**3**].
Myotis goudoti (A. Smith, 1834)
Madagascar: 35 [**35**].
Myotis punicus Felten, 1977
Morocco: 302, Tunisia: 4 [**306**].

Myotis tricolor (Temminck, 1832)
Kenya: 23, South Africa: 5 [**28**].
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878
Madagascar: 19 [**19**].
Nanonycteris veldkampii (Jentink, 1888)
Cameroon: 2, Côte d'Ivoire: 2, Gabon: 4, Ghana: 45 [**53**].
Neoromicia Roberts, 1926
Mozambique: 9, South Sudan: 30 [**39**].
Neoromicia brunnea (Thomas, 1880)
Côte d'Ivoire: 5, Gabon: 3, Ghana: 2, Sierra Leone: 3 [**13**].
Neoromicia capensis (A. Smith, 1829)
Benin: 6, Botswana: 73, Kenya: 12, Lesotho: 17, Madagascar: 7, Mozambique: 1, Namibia: 2, South Africa: 106, Zimbabwe: 2 [**226**].
Neoromicia guineensis (Bocage, 1889)
Benin: 2, Burkina Faso: 2, Côte d'Ivoire: 4, Ghana: 1 [**9**].
Neoromicia helios (Heller, 1912)
Kenya: 1 [**1**].
Neoromicia nana (Peters, 1852)
Benin: 27, Botswana: 6, Burkina Faso: 1, Congo (Democratic Republic of the): 19, Côte d'Ivoire: 2, Ethiopia: 16, Ghana: 14, Kenya: 45, Liberia: 6, Mozambique: 148, Niger: 5, Nigeria: 6, Senegal: 1, Sierra Leone: 18, South Africa: 37, South Sudan: 1, Tanzania: 2, Togo: 15, Uganda: 1, Zimbabwe: 77 [**447**].
Neoromicia rendalli (Thomas, 1889)
Benin: 1, Botswana: 2, Ghana: 2, Kenya: 15, Niger: 1, Nigeria: 2, Sierra Leone: 2, South Sudan: 2, Tanzania: 1 [**28**].
Neoromicia somalica (Thomas, 1901)
Benin: 2, Botswana: 2, Burkina Faso: 1, Ghana: 9, Kenya: 14, Nigeria: 1, Sierra Leone: 4, South Sudan: 6, Tanzania: 1, Uganda: 7 [**47**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Mozambique: 2 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
Congo (Democratic Republic of the): 5, Côte d'Ivoire: 6, Ethiopia: 1, Gabon: 3, Ghana: 14, Kenya: 8, Liberia: 4, Nigeria: 1, Sierra Leone: 5, South Sudan: 1, Uganda: 1 [**49**].
Neoromicia zuluensis (Roberts, 1924)
Botswana: 2, South Sudan: 1 [**3**].
Nyctalus azoreum (Thomas, 1901)
Azores (Portugal): 4, Portugal: 1 [**5**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Ethiopia: 1, South Sudan: 30 [**31**].
Nycteris arge Thomas, 1903
Cameroon: 4, Côte d'Ivoire: 9, Gabon: 1, Ghana: 8, Kenya: 1, Sierra Leone: 1 [**24**].
Nycteris aurita (K. Andersen, 1912)
Kenya: 6, South Sudan: 2 [**8**].
Nycteris gambiensis (K. Andersen, 1912)
Benin: 84, Burkina Faso: 171, Côte d'Ivoire: 19, Ghana: 135, Nigeria: 45, Senegal: 61, The Gambia: 22, Togo: 6 [**543**].
Nycteris grandis Peters, 1865
Cameroon: 1, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 2, Gabon: 2, Ghana: 12, Sierra Leone: 1, Togo: 6, Zimbabwe: 1 [**26**].
Nycteris hispida (Schreber, 1774)
Benin: 48, Botswana: 4, Burkina Faso: 192, Cameroon: 1, Chad: 3, Congo (Democratic Republic of the): 3, Côte d'Ivoire: 14, Ethiopia: 8, Gabon: 3, Ghana: 99, Kenya: 5, Liberia: 1, Mauritania: 177, Nigeria: 32, Senegal: 23, Sierra Leone: 1, Somalia: 1, South Sudan: 10, Togo: 3 [**628**].
Nycteris intermedia Aellen, 1959
Cameroon: 1, Ghana: 1 [**2**].
Nycteris macrotis Dobson, 1876
Angola: 1, Benin: 14, Botswana: 1, Burkina Faso: 102, Cameroon: 15, Chad: 2, Côte d'Ivoire: 9, Ghana: 251, Kenya: 12, Niger: 1, Nigeria: 26, Senegal: 81, Sierra Leone: 3, South Sudan: 5, Tanzania: 2, The Gambia: 25, Togo: 12 [**562**].
Nycteris major (K. Andersen, 1912)
Côte d'Ivoire: 1 [**1**].
Nycteris nana (K. Andersen, 1912)
Ghana: 1, Kenya: 2 [**3**].
Nycteris parisii (de Beaux, 1924)
Ethiopia: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Benin: 3, Botswana: 127, Burkina Faso: 160, Congo (Democratic Republic of the): 5, Egypt: 116, Ghana: 21, Kenya: 24, Morocco: 20, Mozambique: 104, Namibia: 16, Niger: 1, Nigeria: 98, South Africa: 27, Tanzania: 56, Zimbabwe: 15 [**794**].
Nycteris woodi K. Andersen, 1914
Mozambique: 1 [**1**].
Nycticeinops schlieffenii (Peters, 1859)
Benin: 2, Botswana: 6, Burkina Faso: 10, Chad: 1, Ethiopia: 3, Kenya: 23, Mauritania: 12, Mozambique: 6, Namibia: 1, Senegal: 1, Sudan: 1, Togo: 2 [**68**].
Otomops Thomas, 1913
Kenya: 1 [**1**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 50 [**50**].
Otomops martiensseni (Matschie, 1897)
Ghana: 1 [**1**].

Otonycteris hemprichii Peters, 1859
Egypt: 51, Libya: 2 [**53**].
Paremballonura atrata (Peters, 1874)
Madagascar: 5 [**5**].
Pipistrellus Kaup, 1829
Burundi: 1, Ethiopia: 5, Kenya: 5, Liberia: 1, South Africa: 2, Uganda: 25 [**39**].
Pipistrellus aero Heller, 1912
Kenya: 6 [**6**].
Pipistrellus hesperidus (Temminck, 1840)
Kenya: 3 [**3**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
Kenya: 17 [**17**].
Pipistrellus inexspectatus Aellen, 1959
Benin: 2, Ghana: 1, Kenya: 1, Sierra Leone: 1 [**5**].
Pipistrellus kuhlii (Kuhl, 1817)
Algeria: 25, Egypt: 184, Morocco: 140 [**349**].
Pipistrellus nanulus Thomas, 1904
Benin: 2, Burkina Faso: 1, Cameroon: 1, Ghana: 3, Kenya: 2, Sierra Leone: 6 [**15**].
Pipistrellus pipistrellus (Schreber, 1774)
Libya: 1, Morocco: 7 [**8**].
Pipistrellus rueppellii (Fischer, 1829)
Botswana: 8, Egypt: 2, Mauritania: 2, Morocco: 1, Nigeria: 2, Sudan: 9 [**24**].
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)
Egypt: 7 [**7**].
Pipistrellus rusticus (Tomes, 1861)
Botswana: 22, South Africa: 1 [**23**].
Platymops setiger (Peters, 1878)
Kenya: 1 [**1**].
Platymops setiger macmillani Thomas, 1906
Ethiopia: 1 [**1**].
Platymops setiger setiger (Peters, 1878)
Kenya: 7 [**7**].
Plecotus christii Gray, 1838
Egypt: 9, Morocco: 2 [**11**].
Plecotus teneriffae Barrett-Hamilton, 1907
Morocco: 38 [**38**].
Pteropus Erxleben, 1777
Madagascar: 2 [**2**].
Pteropus aldabrensis True, 1893
Seychelles: 6 [**6**].
Pteropus niger (Kerr, 1792)
Mauritius: 1 [**1**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 24 [**24**].
Pteropus seychellensis A. Milne-Edwards, 1877
Seychelles: 5 [**5**].
Pteropus voeltzkowi Matschie, 1909
"Africa": 2 [**2**].
Rhinolophus Lacépède, 1799
Egypt: 1, Ethiopia: 1, Kenya: 1, Mozambique: 2, South Sudan: 24, Togo: 1 [**30**].
Rhinolophus alcyone Temminck, 1853
Cameroon: 2, Ghana: 1, Sierra Leone: 21 [**24**].
Rhinolophus blasii Peters, 1867
Morocco: 1 [**1**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 6 [**6**].
Rhinolophus clivosus Cretzschmar, 1828
Egypt: 164, Ethiopia: 4, Kenya: 67, South Africa: 223, Uganda: 4, Zimbabwe: 5 [**467**].
Rhinolophus damarensis Roberts, 1946
South Africa: 14 [**14**].
Rhinolophus darlingi K. Andersen, 1905
Benin: 1, Botswana: 1, Mozambique: 1, South Africa: 7, Zimbabwe: 2 [**12**].
Rhinolophus deckenii Peters, 1868
Kenya: 1 [**1**].
Rhinolophus denti Thomas, 1904
Botswana: 171, Ghana: 1, South Africa: 4, South Sudan: 5 [**181**].
Rhinolophus eloquens K. Andersen, 1905
Kenya: 54, South Sudan: 5 [**59**].
Rhinolophus euryale Blasius, 1853
Morocco: 64 [**64**].
Rhinolophus ferrumequinum (Schreber, 1774)
Morocco: 34 [**34**].
Rhinolophus fumigatus Rüppell, 1842
Benin: 3, Burkina Faso: 4, Ghana: 1, Mozambique: 3, Nigeria: 2, Senegal: 77, South Sudan: 4, Togo: 68, Zimbabwe: 2 [**164**].

Rhinolophus hildebrandtii Peters, 1878
Kenya: 48 [**48**].
Rhinolophus hipposideros (Bechstein, 1800)
Morocco: 14 [**14**].
Rhinolophus landeri Martin, 1838
Benin: 1, Burkina Faso: 12, Ghana: 13, Nigeria: 70, Senegal: 56, South Sudan: 1, The Gambia: 1 [**154**].
Rhinolophus lobatus Peters, 1852
Kenya: 46, Mozambique: 25, Tanzania: 8 [**79**].
Rhinolophus mehelyi Matschie, 1901
Egypt: 118, Morocco: 66, Tunisia: 1 [**185**].
Rhinolophus rhodesiae Roberts, 1946
Mozambique: 3, Zimbabwe: 1 [**4**].
Rhinolophus simulator K. Andersen, 1904
Kenya: 4, Mozambique: 5, South Africa: 7, South Sudan: 2, Zimbabwe: 1 [**19**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mozambique: 21, South Africa: 18, Zambia: 1, Zimbabwe: 4 [**44**].
Rhinolophus swinnyi Gough, 1908
South Africa: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Djibouti: 2, Egypt: 103, Mauritania: 34, Morocco: 71, Sudan: 1 [**211**].
Rhinopoma macinnesi Hayman, 1937
Kenya: 6 [**6**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 27, Mauritania: 46, Morocco: 4 [**77**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Cameroon: 2, Congo (Democratic Republic of the): 11, Côte d'Ivoire: 2, Egypt: 49, Ethiopia: 5, Ghana: 8, Kenya: 10, Sierra Leone: 64, South Sudan: 1 [**152**].
Rousettus madagascariensis G. Grandidier, 1929
Madagascar: 71 [**71**].
Rousettus obliviosus Kock, 1978
Comoros: 1 [**1**].
Saccolaimus peli (Temminck, 1853)
Congo (Democratic Republic of the): 4, Ghana: 4, Liberia: 18, Nigeria: 5, Uganda: 4 [**35**].
Sauromys petrophilus (Roberts, 1917)
Botswana: 2, Mozambique: 14, Namibia: 7, South Africa: 4 [**27**].
Sauromys petrophilus erongensis (Roberts, 1946)
Namibia: 3 [**3**].
Sauromys petrophilus haagneri (Roberts, 1917)
South Africa: 9 [**9**].
Scotoecus Thomas, 1901
South Sudan: 22 [**22**].
Scotoecus albigula Thomas, 1909
Uganda: 2 [**2**].
Scotoecus albofuscus (Thomas, 1890)
Benin: 1, Sierra Leone: 2 [**3**].
Scotoecus hindei Thomas, 1901
Kenya: 5 [**5**].
Scotoecus hirundo (de Winton, 1899)
Benin: 18, Ethiopia: 4, Ghana: 13, Kenya: 47, South Sudan: 2 [**84**].
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Gabon: 2 [**2**].
Scotonycteris occidentalis Hayman, 1947
Côte d'Ivoire: 4, Ghana: 24, Liberia: 6 [**34**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 1 [**1**].
Scotophilus Leach, 1821
South Sudan: 45 [**45**].
Scotophilus dinganii (A. Smith, 1833)
Angola: 1, Benin: 7, Botswana: 50, Congo (Democratic Republic of the): 4, Ethiopia: 17, Ghana: 25, Kenya: 68, Mozambique: 2, Namibia: 7, Nigeria: 29, South Africa: 11, Tanzania: 4, Togo: 1, Uganda: 1, Zimbabwe: 5 [**232**].
Scotophilus leucogaster (Cretzschmar, 1826)
Benin: 45, Botswana: 44, Burkina Faso: 11, Ethiopia: 5, Ghana: 24, Mauritania: 2, Namibia: 3, Niger: 1, Nigeria: 46, Senegal: 24, Sierra Leone: 1, The Gambia: 1, Zimbabwe: 9 [**216**].
Scotophilus nigrita (Schreber, 1774)
Ghana: 2, Nigeria: 1 [**3**].
Scotophilus nucella Robbins, 1983
Ghana: 4 [**4**].
Scotophilus nux Thomas, 1904
Congo (Democratic Republic of the): 6, Ghana: 4, Kenya: 1, Nigeria: 11, Sierra Leone: 1 [**23**].
Scotophilus viridis (Peters, 1852)
Benin: 19, Burkina Faso: 2, Côte d'Ivoire: 3, Ghana: 60, Kenya: 1, Mozambique: 22, Niger: 2, Sierra Leone: 2, South Africa: 4, South Sudan: 2 [**117**].
Stenonycteris lanosus (Thomas, 1906)
Congo (Democratic Republic of the): 4, Kenya: 21, Tanzania: 1 [**26**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
"Africa": 3, Botswana: 13, Mauritius: 1, Mozambique: 2, Namibia: 2, South Africa: 13 [**34**].

Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Algeria: 1, Egypt: 9, Kenya: 5 [**15**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
Botswana: 11, Lesotho: 2, Mozambique: 12, Namibia: 11, South Africa: 14 [**50**].
Tadarida fulminans (Thomas, 1903)
"Africa": 2, Kenya: 1, Mozambique: 7 [**10**].
Tadarida teniotis (Rafinesque, 1814)
Egypt: 29, Morocco: 3 [**32**].
Taphozous E. Geoffroy St.-Hilaire, 1818
Ethiopia: 1, South Sudan: 2 [**3**].
Taphozous hamiltoni Thomas, 1920
South Sudan: 1 [**1**].
Taphozous hildegardeae Thomas, 1909
Kenya: 13 [**13**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Angola: 1, Benin: 1, Botswana: 10, Ethiopia: 2, Ghana: 2, Kenya: 4, Mozambique: 3, Nigeria: 1, South Africa: 1, South Sudan: 5, The Gambia: 1, Togo: 1, Uganda: 2 [**34**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 29, Sudan: 1, Togo: 8 [**38**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
Burkina Faso: 32, Egypt: 95, Ethiopia: 1, Ghana: 6, Mauritania: 1, Niger: 1, Nigeria: 16, Senegal: 38, South Sudan: 10, Sudan: 1 [**201**].
Triaenops afer Peters, 1877
Kenya: 13, Mozambique: 56, Tanzania: 51 [**120**].
Triaenops menamena Goodman and Ranivo, 2009
Madagascar: 1 [**1**].
VESPERTILIONOIDEA Gray, 1821
South Sudan: 20 [**20**].

Total Specimens for USNM: 19970

UWBM: Burke Memorial Washington State Museum, University of Washington

Rhinolophus simulator K. Andersen, 1904
Zambia: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Kenya: 8 [**8**].

Total Specimens for UWBM: 9

UZMZ: University of Zambia, Museum of Zoology

Cloeotis percivali Thomas, 1901
Zambia: 10 [**10**].
Miniopterus natalensis (A. Smith, 1833)
Zambia: 24 [**24**].
Mops (Mops) condylurus (A. Smith, 1833)
Zambia: 1 [**1**].
Neoromicia rendalli (Thomas, 1889)
Zambia: 3 [**3**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Zambia: 1 [**1**].
Neoromicia zuluensis (Roberts, 1924)
Zambia: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
Zambia: 1 [**1**].
Rhinolophus blasii Peters, 1867
Zambia: 7 [**7**].
Rhinolophus rhodesiae Roberts, 1946
Zambia: 2 [**2**].
Rhinolophus simulator K. Andersen, 1904
Zambia: 8 [**8**].
Scotophilus dinganii (A. Smith, 1833)
Zambia: 3 [**3**].
Scotophilus viridis (Peters, 1852)
Zambia: 12 [**12**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Zambia: 1 [**1**].

Total Specimens for UZMZ: 74

WAM: Western Australian Museum

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Egypt: 1 [**1**].

Cardioderma cor (Peters, 1872)
Kenya: 3 [**3**].
Chaerephon bivittatus (Heuglin, 1861)
Kenya: 3 [**3**].
Chaerephon pumilus (Cretzschmar, 1826)
Kenya: 3, Malawi: 11, South Africa: 2, Tanzania: 1, Uganda: 1 [**18**].
Coleura afra (Peters, 1852)
Sudan: 1, Tanzania: 4 [**5**].
Eidolon helvum (Kerr, 1792)
Kenya: 2 [**2**].
Epomophorus crypturus Peters, 1852
Malawi: 4, Zambia: 33 [**37**].
Epomophorus gambianus (Ogilby, 1835)
Nigeria: 1 [**1**].
Epomophorus minor Dobson, 1880
Malawi: 94 [**94**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 4, Malawi: 4 [**8**].
Hipposideros caffer (Sundevall, 1846)
Kenya: 4 [**4**].
Hipposideros megalotis (Heuglin, 1861)
Kenya: 1 [**1**].
Hipposideros ruber (Noack, 1893)
Kenya: 1, Tanzania: 2, Zambia: 1 [**4**].
Hypsignathus monstrosus H. Allen, 1862
Ghana: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Kenya: 2 [**2**].
Macronycteris vittatus (Peters, 1852)
Kenya: 1, Zambia: 2 [**3**].
Micropteropus pusillus (Peters, 1868)
Ghana: 1, Nigeria: 1 [**2**].
Miniopterus Bonaparte, 1837
Kenya: 3, Zambia: 1 [**4**].
Mops (Mops) condylurus (A. Smith, 1833)
Kenya: 1, Malawi: 5, South Africa: 7 [**13**].
Mops (Mops) demonstrator (Thomas, 1903)
Malawi: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
Kenya: 2 [**2**].
Nanonycteris veldkampii (Jentink, 1888)
Ghana: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Botswana: 1, Kenya: 1 [**2**].
Neoromicia nana (Peters, 1852)
Kenya: 12 [**12**].
Neoromicia somalica (Thomas, 1901)
Kenya: 12 [**12**].
Nycteris hispida (Schreber, 1774)
Kenya: 2 [**2**].
Nycteris macrotis Dobson, 1876
Kenya: 1, Tanzania: 1 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Kenya: 2, Tanzania: 2, Zambia: 2 [**6**].
Nycticeinops schlieffenii (Peters, 1859)
Kenya: 1 [**1**].
Otomops martiensseni (Matschie, 1897)
Kenya: 3 [**3**].
Platymops setiger (Peters, 1878)
Kenya: 1 [**1**].
Pteropus niger (Kerr, 1792)
Mauritius: 1 [**1**].
Rhinolophus Lacépède, 1799
Kenya: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
Kenya: 2 [**2**].
Rhinolophus deckenii Peters, 1868
Kenya: 1 [**1**].
Rhinolophus euryale Blasius, 1853
Egypt: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
Kenya: 2 [**2**].
Rhinolophus hildebrandtii Peters, 1878
Kenya: 2 [**2**].
Rhinolophus lobatus Peters, 1852
Kenya: 1 [**1**].

Rhinopoma cystops Thomas, 1903
Kenya: 3 [**3**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Ghana: 2, Kenya: 1, Malawi: 6, Zambia: 9 [**18**].
Scotoecus hirundo (de Winton, 1899)
Kenya: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
Botswana: 2 [**2**].
Scotophilus nigrita (Schreber, 1774)
Kenya: 1 [**1**].
Scotophilus viridis (Peters, 1852)
South Africa: 1 [**1**].
Stenonycteris lanosus (Thomas, 1906)
Kenya: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Kenya: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Kenya: 1 [**1**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Egypt: 2, Kenya: 1 [**3**].
Triaenops afer Peters, 1877
Tanzania: 2 [**2**].

Total Specimens for WAM: 296

WNMU: Western New Mexico University (Department of Natural Sciences)

Cardioderma cor (Peters, 1872)
Kenya: 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
Kenya: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Kenya: 3 [**3**].
Coleura afra (Peters, 1852)
Kenya: 1 [**1**].
Eidolon helvum (Kerr, 1792)
Kenya: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Kenya: 4 [**4**].
Epomophorus minimus Claessen & De Vree, 1991
Kenya: 3 [**3**].
Epomophorus wahlbergi (Sundevall, 1846)
Kenya: 3, South Africa: 14 [**17**].
Glauconycteris argentata (Dobson, 1875)
Kenya: 3 [**3**].
Glauconycteris variegata (Tomes, 1861)
Zimbabwe: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
Kenya: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
Kenya: 2 [**2**].
Mops (Mops) condylurus (A. Smith, 1833)
Kenya: 1 [**1**].
Myotis punicus Felten, 1977
Tunisia: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Zimbabwe: 3 [**3**].
Neoromicia tenuipinnis (Peters, 1872)
Kenya: 1 [**1**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
Kenya: 1 [**1**].
Pipistrellus Kaup, 1829
Kenya: 3 [**3**].
Platymops setiger (Peters, 1878)
Kenya: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
Kenya: 1 [**1**].
Rhinolophus lobatus Peters, 1852
Kenya: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Kenya: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Kenya: 1 [**1**].
Scotoecus hirundo (de Winton, 1899)
Kenya: 1 [**1**].

Stenonycteris lanosus (Thomas, 1906)
Kenya: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Kenya: 1 [**1**].
Tadarida fulminans (Thomas, 1903)
Kenya: 1 [**1**].
Taphozous hamiltoni Thomas, 1920
Kenya: 1 [**1**].
Taphozous hildegardeae Thomas, 1909
Kenya: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Congo (Democratic Republic of the): 1 [**1**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
Kenya: 1 [**1**].
Triaenops afer Peters, 1877
Kenya: 1 [**1**].

Total Specimens for WNMU: 62

YPM: Yale Peabody Museum

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
Egypt: 19 [**19**].
Cardioderma cor (Peters, 1872)
Kenya: 2, Tanzania: 1 [**3**].
Casinycteris ophiodon (Pohle, 1943)
Liberia: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Kenya: 1, Madagascar: 9, Tanzania: 1 [**11**].
CHIROPTERA Blumenbach, 1779
"Africa": 1, Cameroon: 1, Egypt: 1, Kenya: 1, Liberia: 6 [**10**].
Doryrhina cyclops (Temminck, 1853)
Cameroon: 1 [**1**].
Eidolon helvum (Kerr, 1792)
Zambia: 1 [**1**].
Epomophorus Bennett, 1836
Kenya: 4, Tanzania: 1 [**5**].
Epomophorus crypturus Peters, 1852
South Africa: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
Angola: 1, Equatorial Guinea: 1, Tanzania: 3 [**5**].
Epomops franqueti (Tomes, 1860)
Angola: 2 [**2**].
Hipposideros Gray, 1831
Cameroon: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
Angola: 1, Kenya: 1 [**2**].
Hypsignathus monstrosus H. Allen, 1862
Angola: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Kenya: 6, Tanzania: 5 [**11**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
Cameroon: 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
Angola: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
Equatorial Guinea: 1 [**1**].
Miniopterus Bonaparte, 1837
Kenya: 1 [**1**].
MOLOSSIDAE Gervais, 1856
"Africa": 5, Kenya: 3 [**8**].
Mops (Mops) condylurus (A. Smith, 1833)
Kenya: 1, Tanzania: 1 [**2**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
Madagascar: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
Kenya: 3 [**3**].
Myonycteris torquata (Dobson, 1878)
Cameroon: 1 [**1**].
Myotis Kaup, 1829
Kenya: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
Cameroon: 4 [**4**].

Neoromicia matroka (Thomas and Schwann, 1905)
Madagascar: 1 [**1**].
Neoromicia nana (Peters, 1852)
Angola: 3, Kenya: 1, South Africa: 1, Zambia: 1 [**6**].
Nycteris G. Cuvier and E. Geoffroy, 1795
"Africa": 4, Kenya: 18 [**22**].
Nycteris hispida (Schreber, 1774)
Angola: 2 [**2**].
Nycteris macrotis Dobson, 1876
Angola: 1, Tanzania: 1 [**2**].
Otonycteris hemprichii Peters, 1859
Egypt: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
Kenya: 2, Tanzania: 1 [**3**].
Pipistrellus kuhlii (Kuhl, 1817)
Egypt: 1 [**1**].
Rhinolophus Lacépède, 1799
Kenya: 1, Tanzania: 3 [**4**].
Rhinolophus clivosus Cretzschmar, 1828
Egypt: 1, Tanzania: 1 [**2**].
Rhinolophus eloquens K. Andersen, 1905
Kenya: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Egypt: 5 [**5**].
Rhinopoma microphyllum (Brünnich, 1782)
Egypt: 12 [**12**].
Rousettinae Andersen, 1912
Cameroon: 17 [**17**].
Rousettus Gray, 1821
Kenya: 8 [**8**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Egypt: 34, Kenya: 2 [**36**].
Tadarida Rafinesque, 1814
Kenya: 12 [**12**].
Taphozous E. Geoffroy St.-Hilaire, 1818
Tanzania: 3 [**3**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 1 [**1**].
Vespertilioninae Gray, 1821
Cameroon: 1 [**1**].

Total Specimens for YPM: 240

ZFMK: Zoologisches Forschungsinstitut und Museum Alexander Koenig

Chaerephon major (Trouessart, 1897)
Nigeria: 4 [**4**].
Chaerephon russatus J.A. Allen, 1917
Guinea: 2 [**2**].
Eidolon helvum (Kerr, 1792)
Ethiopia: 2 [**2**].
Epomophorus gambianus (Ogilby, 1835)
"Africa": 1, Senegal: 3 [**4**].
Epomophorus labiatus (Temminck, 1837)
Tanzania: 8 [**8**].
Epomophorus wahlbergi (Sundevall, 1846)
Tanzania: 15 [**15**].
Epomops buettikoferi (Matschie, 1899)
Ghana: 1, Guinea: 2 [**3**].
Glauconycteris poensis (Gray, 1842)
Ghana: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
Tanzania: 1 [**1**].
Hipposideros beatus (K. Andersen, 1906)
Ghana: 1 [**1**].
Hipposideros camerunensis Eisentraut, 1956
Cameroon: 1 [**1**].
Hipposideros fuliginosus (Temminck, 1853)
Ghana: 3, Guinea: 1 [**4**].
Hipposideros jonesi Hayman, 1947
Guinea: 3 [**3**].
Hipposideros ruber (Noack, 1893)
Ghana: 4, Guinea: 9, Nigeria: 3 [**16**].
Hypsugo Kolenati, 1856
Guinea: 4 [**4**].

Hypsugo crassulus (Thomas, 1904)
Guinea: 2 [**2**].
Hypsugo eisentrauti (Hill, 1968)
Cameroon: 4 [**4**].
Macronycteris gigas (Wagner, 1845)
Ghana: 2 [**2**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Ghana: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
Ethiopia: 10, Ghana: 2, Guinea: 4, Nigeria: 1 [**17**].
Mimetillus moloneyi (Thomas, 1891)
Guinea: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
Guinea: 5, Sudan: 1 [**6**].
Mops (Mops) condylurus (A. Smith, 1833)
Guinea: 4 [**4**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
Guinea: 2 [**2**].
Myonycteris angolensis (Bocage, 1898)
Nigeria: 1 [**1**].
Myonycteris angolensis smithii (Thomas, 1908)
Guinea: 1 [**1**].
Myonycteris leptodon K. Andersen, 1908
Ghana: 1, Guinea: 2 [**3**].
Neoromicia capensis (A. Smith, 1829)
Botswana: 4, Ethiopia: 2, Zambia: 1 [**7**].
Neoromicia guineensis (Bocage, 1889)
Ethiopia: 6 [**6**].
Neoromicia isabella Decher, Hutterer and Monadjem, 2016
Guinea: 2 [**2**].
Neoromicia nana (Peters, 1852)
Cameroon: 4, Ghana: 1, Tanzania: 12 [**17**].
Neoromicia rendalli (Thomas, 1889)
South Sudan: 1 [**1**].
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013
Guinea: 2 [**2**].
Neoromicia somalica (Thomas, 1901)
Guinea: 1 [**1**].
Neoromicia tenuipinnis (Peters, 1872)
Cameroon: 1 [**1**].
Neoromicia zuluensis (Roberts, 1924)
Ethiopia: 3, Namibia: 2 [**5**].
Nycteris arge Thomas, 1903
Cameroon: 3, Congo (Democratic Republic of the): 3, Ghana: 1 [**7**].
Nycteris aurita (K. Andersen, 1912)
Tanzania: 9 [**9**].
Nycteris gambiensis (K. Andersen, 1912)
Guinea: 3, Senegal: 2 [**5**].
Nycteris grandis Peters, 1865
Cameroon: 2 [**2**].
Nycteris hispida (Schreber, 1774)
Cameroon: 28, Ethiopia: 7, Senegal: 8, South Sudan: 2 [**45**].
Nycteris macrotis Dobson, 1876
"Africa": 1, Cameroon: 10, Ethiopia: 1, Guinea: 1, Senegal: 10, Tanzania: 16, Zambia: 1 [**40**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Botswana: 4, Guinea: 2, Namibia: 16, Senegal: 10, South Africa: 3, Tanzania: 18 [**53**].
Pipistrellus Kaup, 1829
Egypt: 1 [**1**].
Pipistrellus grandidieri (Dobson, 1876)
Guinea: 3 [**3**].
Pipistrellus hesperidus (Temminck, 1840)
Cameroon: 2, Ethiopia: 1 [**3**].
Pipistrellus kuhlii (Kuhl, 1817)
Algeria: 6, Tunisia: 8 [**14**].
Pipistrellus nanulus Thomas, 1904
Equatorial Guinea: 3, Ghana: 1, Guinea: 3 [**7**].
Pipistrellus rueppellii (Fischer, 1829)
Egypt: 1, Sudan: 4, Tunisia: 1 [**6**].
Pipistrellus rusticus (Tomes, 1861)
Ethiopia: 3 [**3**].
Rhinolophus clivosus Cretzschmar, 1828
Egypt: 24 [**24**].
Rhinolophus denti Thomas, 1904
Guinea: 2 [**2**].
Rhinolophus guineensis Eisentraut, 1960
Guinea: 6 [**6**].

Rhinolophus landeri Martin, 1838
Guinea: 3 [**3**].
Rhinolophus maclaudi Pousargues, 1898
Guinea: 3 [**3**].
Rhinolophus simulator K. Andersen, 1904
Nigeria: 2 [**2**].
Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002
Guinea: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Algeria: 1, Egypt: 3 [**4**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Cameroon: 40, Guinea: 1 [**41**].
Rousettus obliviosus Kock, 1978
Comoros: 1 [**1**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 5, Equatorial Guinea: 10 [**15**].
Scotophilus dinganii (A. Smith, 1833)
Botswana: 3, Ethiopia: 2, Namibia: 8, Sierra Leone: 1, Tanzania: 2 [**16**].
Scotophilus nucella Robbins, 1983
Ghana: 1 [**1**].
Scotophilus nux Thomas, 1904
Ghana: 2, Guinea: 1 [**3**].
Scotophilus viridis (Peters, 1852)
Ethiopia: 16, Tanzania: 1 [**17**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Nigeria: 2 [**2**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 4 [**4**].

Total Specimens for ZFMK: 498

ZIUE: Zoologischen Institut der Universität Erlangen

Eidolon helvum (Kerr, 1792)
South Sudan: 1 [**1**].

Total Specimens for ZIUE: 1

ZMA: Zoologisch Museum, Amsterdam

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
"Africa": 1, Egypt: 2 [**3**].
Cardioderma cor (Peters, 1872)
Kenya: 11 [**11**].
Casinycteris argynnis Thomas, 1910
Congo (Democratic Republic of the): 6 [**6**].
Casinycteris ophiodon (Pohle, 1943)
Congo: 1, Côte d'Ivoire: 2 [**3**].
Chaerephon Dobson, 1874
"Africa": 5, Benin: 9, Burkina Faso: 1, Cameroon: 5, Chad: 11, Congo: 21, Kenya: 2, Malawi: 1, South Sudan: 1, Tanzania: 34, Uganda: 13 [**103**].
Chaerephon ansorgei (Thomas, 1913)
Malawi: 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
Malawi: 4 [**4**].
Chaerephon major (Trouessart, 1897)
South Sudan: 1 [**1**].
Chaerephon nigeriae Thomas, 1913
Benin: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
Benin: 1, Burkina Faso: 1, Congo: 6, Kenya: 8, Madagascar: 1, Malawi: 29, Nigeria: 4, South Africa: 2, Uganda: 1 [**53**].
Coleura Peters, 1867
"Africa": 1, Kenya: 1, Tanzania: 2 [**4**].
Coleura afra (Peters, 1852)
Guinea-Bissau: 1, Kenya: 12, Tanzania: 13 [**26**].
Doryrhina cyclops (Temminck, 1853)
"Africa": 2, Côte d'Ivoire: 1, Gabon: 2, Kenya: 1 [**6**].
Eidolon helvum (Kerr, 1792)
"Africa": 2, Congo: 3, Congo (Democratic Republic of the): 2, Côte d'Ivoire: 70, Guinea-Bissau: 1, Malawi: 1, Nigeria: 29, Senegal: 1, Sudan: 1 [**110**].
Eidolon helvum helvum (Kerr, 1792)
"Africa": 3, Congo: 1 [**4**].
Epomophorus Bennett, 1836
Benin: 3, South Africa: 8, Uganda: 9 [**20**].

Epomophorus anselli Bergmans and Van Strien, 2004
Malawi: 2 [**2**].
Epomophorus crypturus Peters, 1852
Malawi: 6, Zimbabwe: 2 [**8**].
Epomophorus dobsonii Bocage, 1889
Congo (Democratic Republic of the): 1, Malawi: 11 [**12**].
Epomophorus gambianus (Ogilby, 1835)
Benin: 3, Burkina Faso: 4, Cameroon: 1, Ghana: 10, Guinea: 1, Niger: 1, Nigeria: 48 [**68**].
Epomophorus gambianus gambianus (Ogilby, 1835)
Benin: 1, Burkina Faso: 1, Cameroon: 3 [**5**].
Epomophorus gambianus pousarguesi Trouessart, 1904
Central African Republic: 1 [**1**].
Epomophorus grandis (Sanborn, 1950)
Congo: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
Congo: 1, Ethiopia: 1, Malawi: 35, Rwanda: 2, Tanzania: 52, Uganda: 10 [**101**].
Epomophorus minor Dobson, 1880
Ethiopia: 1, Kenya: 2, Tanzania: 2 [**5**].
Epomophorus wahlbergi (Sundevall, 1846)
Congo: 12, Congo (Democratic Republic of the): 3, Gabon: 2, Kenya: 60, Malawi: 17, South Africa: 153 [**247**].
Epomops Gray, 1866
"Africa": 1 [**1**].
Epomops buettikoferi (Matschie, 1899)
"Africa": 3, Côte d'Ivoire: 40, Guinea: 13, Nigeria: 13 [**69**].
Epomops franqueti (Tomes, 1860)
"Africa": 1, Cameroon: 11, Congo: 7, Congo (Democratic Republic of the): 7, Côte d'Ivoire: 23, Gabon: 44, Ghana: 1, Nigeria: 8 [**102**].
Eptesicus Rafinesque, 1820
"Africa": 1 [**1**].
Eptesicus hottentotus (A. Smith, 1833)
South Africa: 3 [**3**].
Eptesicus isabellinus (Temminck, 1840)
Morocco: 2 [**2**].
Glauconycteris humeralis J.A. Allen, 1917
"Africa": 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
Sudan: 1 [**1**].
Hipposideros Gray, 1831
Congo (Democratic Republic of the): 6, Gabon: 16, Kenya: 1 [**23**].
Hipposideros abae J.A. Allen, 1917
"Africa": 1 [**1**].
Hipposideros beatus (K. Andersen, 1906)
Gabon: 1, Nigeria: 2 [**3**].
Hipposideros caffer (Sundevall, 1846)
"Africa": 11, Benin: 1, Congo (Democratic Republic of the): 1, Gabon: 66 [**79**].
Hipposideros ruber (Noack, 1893)
Benin: 1, Congo (Democratic Republic of the): 13, Gabon: 5, Kenya: 2, Malawi: 2, Tanzania: 5 [**28**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 1, Congo (Democratic Republic of the): 1, Côte d'Ivoire: 13, Gabon: 9, Liberia: 1, Nigeria: 2 [**27**].
Hypsugo anchietae (Seabra, 1900)
Zimbabwe: 1 [**1**].
Laephotis botswanae Setzer, 1971
Malawi: 7 [**7**].
Laephotis wintoni Thomas, 1901
"Africa": 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Kenya: 3, Malawi: 1, Nigeria: 2, South Sudan: 1, Tanzania: 3 [**10**].
Macronycteris gigas (Wagner, 1845)
Gabon: 23, Kenya: 2, Liberia: 1, Nigeria: 1 [**27**].
Macronycteris vittatus (Peters, 1852)
"Africa": 1, Kenya: 6, Malawi: 2, Niger: 1 [**10**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Côte d'Ivoire: 6, Nigeria: 1 [**7**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 4, Congo (Democratic Republic of the): 6, Gabon: 41, Nigeria: 3 [**54**].
Micropteropus pusillus (Peters, 1868)
"Africa": 3, Cameroon: 2, Congo: 63, Congo (Democratic Republic of the): 4, Côte d'Ivoire: 14, Guinea: 105, Nigeria: 100 [**291**].
Mimetillus moloneyi (Thomas, 1891)
"Africa": 1 [**1**].
Miniopterus Bonaparte, 1837
Gabon: 2, Kenya: 2 [**4**].
Miniopterus inflatus Thomas, 1903
Gabon: 23, Kenya: 2 [**25**].
Miniopterus minor Peters, 1867
Congo: 2, Congo (Democratic Republic of the): 1 [**3**].

Miniopterus natalensis (A. Smith, 1833)
Kenya: 4, South Africa: 10, Zimbabwe: 1 [**15**].
Mops Lesson, 1842
"Africa": 1 [**1**].
Mops (Mops) Lesson, 1842
Benin: 3, Chad: 1, Kenya: 1, South Sudan: 1, Tanzania: 1 [**7**].
Mops (Mops) condylurus (A. Smith, 1833)
"Africa": 1, Benin: 17, Congo (Democratic Republic of the): 2, Kenya: 4, Malawi: 7 [**31**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
Madagascar: 2 [**2**].
Mops (Mops) trevori J.A. Allen, 1917
Nigeria: 2 [**2**].
Myonycteris angolensis (Bocage, 1898)
Congo: 1, Nigeria: 5 [**6**].
Myonycteris angolensis angolensis (Bocage, 1898)
Congo: 1 [**1**].
Myonycteris angolensis goliath (Bergmans, 1997)
Zimbabwe: 2 [**2**].
Myonycteris angolensis petraea (Bergmans, 1997)
Ethiopia: 1 [**1**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
Congo (Democratic Republic of the): 1 [**1**].
Myonycteris angolensis smithii (Thomas, 1908)
Côte d'Ivoire: 6, Guinea: 2 [**8**].
Myonycteris leptodon K. Andersen, 1908
Côte d'Ivoire: 26 [**26**].
Myonycteris torquata (Dobson, 1878)
"Africa": 4, Congo: 1, Congo (Democratic Republic of the): 5, Gabon: 12 [**22**].
Myotis Kaup, 1829
Gabon: 1, Tunisia: 1 [**2**].
Myotis bocagii (Peters, 1870)
Angola: 1, Gabon: 12, Tanzania: 2 [**15**].
Myotis bocagii cupreolus Thomas, 1904
Nigeria: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
Benin: 1, Côte d'Ivoire: 16, Guinea: 5, Nigeria: 6 [**28**].
Neoromicia Roberts, 1926
Congo (Democratic Republic of the): 1, Rwanda: 2, Tanzania: 2 [**5**].
Neoromicia capensis (A. Smith, 1829)
South Africa: 18, Tanzania: 5 [**23**].
Neoromicia guineensis (Bocage, 1889)
"Africa": 1, Benin: 2 [**3**].
Neoromicia nana (Peters, 1852)
"Africa": 4, Benin: 1, Chad: 1, Congo: 2, Congo (Democratic Republic of the): 2, Gabon: 7, Kenya: 16, Nigeria: 1, Rwanda: 2, Tanzania: 7 [**43**].
Neoromicia rendalli (Thomas, 1889)
Guinea: 1, Kenya: 6 [**7**].
Neoromicia somalica (Thomas, 1901)
Benin: 1, Kenya: 1, Nigeria: 4 [**6**].
Neoromicia tenuipinnis (Peters, 1872)
Rwanda: 4, Tanzania: 3 [**7**].
Nycteris G. Cuvier and E. Geoffroy, 1795
Gabon: 1, Tanzania: 2 [**3**].
Nycteris arge Thomas, 1903
Congo (Democratic Republic of the): 1 [**1**].
Nycteris grandis Peters, 1865
Congo: 7, Congo (Democratic Republic of the): 3, Gabon: 6, Malawi: 1 [**17**].
Nycteris hispida (Schreber, 1774)
"Africa": 1, Chad: 5, Gabon: 1, Kenya: 1, Malawi: 1, Mali: 1, Rwanda: 1, Tanzania: 7 [**18**].
Nycteris macrotis Dobson, 1876
Benin: 3, Kenya: 2, Malawi: 9, Sierra Leone: 1 [**15**].
Nycteris nana (K. Andersen, 1912)
Congo (Democratic Republic of the): 1, Gabon: 1 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Benin: 1, Egypt: 2, Kenya: 2, Malawi: 15, Nigeria: 1, South Africa: 2, Tanzania: 3 [**27**].
Nycteris woodi K. Andersen, 1914
Malawi: 1 [**1**].
Nycticeinops schlieffenii (Peters, 1859)
"Africa": 1, Benin: 1, South Africa: 1 [**3**].
Otomops martiensseni (Matschie, 1897)
"Africa": 1, Kenya: 38 [**39**].
Pipistrellus Kaup, 1829
Canary Islands (Spain): 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
Kenya: 2 [**2**].

Pipistrellus kuhlii (Kuhl, 1817)
Egypt: 2 [**2**].
Pipistrellus nanulus Thomas, 1904
"Africa": 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
"Africa": 1, Egypt: 3, Nigeria: 2, Sudan: 11, Tanzania: 11 [**28**].
Plecotus E. Geoffroy St.-Hilaire, 1818
Canary Islands (Spain): 1 [**1**].
Pteropus Erxleben, 1777
Mauritius: 1 [**1**].
Pteropus niger (Kerr, 1792)
Mauritius: 1 [**1**].
Pteropus rodricensis Dobson, 1878
Mauritius: 3 [**3**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
Madagascar: 5 [**5**].
Pteropus seychellensis A. Milne-Edwards, 1877
Seychelles: 3 [**3**].
Rhinolophus Lacépède, 1799
South Africa: 2 [**2**].
Rhinolophus alcyone Temminck, 1853
"Africa": 1 [**1**].
Rhinolophus blasii Peters, 1867
Malawi: 6, Zimbabwe: 1 [**7**].
Rhinolophus capensis Lichtenstein, 1823
South Africa: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
Kenya: 2, Malawi: 9, South Africa: 3, Zimbabwe: 1 [**15**].
Rhinolophus darlingi K. Andersen, 1905
"Africa": 1 [**1**].
Rhinolophus deckenii Peters, 1868
Kenya: 9 [**9**].
Rhinolophus denti Thomas, 1904
South Africa: 1 [**1**].
Rhinolophus eloquens K. Andersen, 1905
Kenya: 5 [**5**].
Rhinolophus ferrumequinum (Schreber, 1774)
Morocco: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
Malawi: 6, Nigeria: 3, Rwanda: 1, Tanzania: 7 [**17**].
Rhinolophus hipposideros (Bechstein, 1800)
"Africa": 1 [**1**].
Rhinolophus landeri Martin, 1838
"Africa": 3, Gabon: 5, Nigeria: 1, Sudan: 5 [**14**].
Rhinolophus lobatus Peters, 1852
Kenya: 2 [**2**].
Rhinolophus maclaudi Pousargues, 1898
Guinea: 1 [**1**].
Rhinolophus mehelyi Matschie, 1901
Tunisia: 1 [**1**].
Rhinolophus silvestris Aellen, 1959
Congo: 1 [**1**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Malawi: 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
"Africa": 6, Côte d'Ivoire: 85, Egypt: 9, Gabon: 19, Guinea: 10, Kenya: 19, Malawi: 4, Nigeria: 4, Rwanda: 14, South Africa: 15 [**185**].
Rousettus madagascariensis G. Grandidier, 1929
Madagascar: 1 [**1**].
Rousettus obliviosus Kock, 1978
Comoros: 2 [**2**].
Scotoecus hindei Thomas, 1901
Kenya: 2, Malawi: 1, Tanzania: 2 [**5**].
Scotoecus hirundo (de Winton, 1899)
"Africa": 2, Nigeria: 2 [**4**].
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Gabon: 9 [**9**].
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Congo (Democratic Republic of the): 1 [**1**].
Scotonycteris occidentalis Hayman, 1947
Côte d'Ivoire: 3 [**3**].
Scotonycteris zenkeri Matschie, 1894
Côte d'Ivoire: 1, Nigeria: 1 [**2**].
Scotophilus Leach, 1821
Cameroon: 1, Sudan: 1 [**2**].

Scotophilus dinganii (A. Smith, 1833)
Benin: 1, Congo: 34, Congo (Democratic Republic of the): 5, Kenya: 6, Nigeria: 13, South Africa: 1, Sudan: 3, Tanzania: 2 [**65**].
Scotophilus leucogaster (Cretzschmar, 1826)
Benin: 3, Botswana: 1, Chad: 27, Nigeria: 2 [**33**].
Scotophilus nigrita (Schreber, 1774)
Nigeria: 1 [**1**].
Scotophilus nux Thomas, 1904
Cameroon: 1 [**1**].
Scotophilus viridis (Peters, 1852)
Benin: 1, Botswana: 1, Kenya: 9, Nigeria: 2, Tanzania: 1 [**14**].
Stenonycteris lanosus (Thomas, 1906)
Congo (Democratic Republic of the): 4, Kenya: 7, Malawi: 10 [**21**].
Tadarida Rafinesque, 1814
South Africa: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Kenya: 2 [**2**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
South Africa: 2 [**2**].
Taphozous hildegardeae Thomas, 1909
Kenya: 7 [**7**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
Congo: 1, Gabon: 1, Malawi: 2, Nigeria: 1, Tanzania: 3, Uganda: 5 [**13**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
"Africa": 12 [**12**].
Triaenops afer Peters, 1877
Congo: 1, Kenya: 12 [**13**].
VESPERTILIONIDAE Gray, 1821
Congo (Democratic Republic of the): 1 [**1**].

Total Specimens for ZMA: 2509

ZMB: Museum für Naturkunde der Humboldt-Universität zu Berlin

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
"Africa": 1, Egypt: 8 [**9**].
Cardioderma cor (Peters, 1872)
"Africa": 2, Egypt: 1, Ethiopia: 1, Kenya: 2, Uganda: 2 [**8**].
Casinycteris ophiodon (Pohle, 1943)
Cameroon: 1 [**1**].
Chaerephon aloysiisabaudiae (Festa, 1907)
Uganda: 1 [**1**].
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
Madagascar: 3 [**3**].
Chaerephon bivittatus (Heuglin, 1861)
Ethiopia: 1, Tanzania: 3 [**4**].
Chaerephon nigeriae Thomas, 1913
Central African Republic: 3 [**3**].
Chaerephon pumilus (Cretzschmar, 1826)
Cameroon: 3, Equatorial Guinea: 1, Eritrea: 3, Ethiopia: 1, Kenya: 4, Mozambique: 5, Senegal: 2, Tanzania: 16 [**35**].
Chaerephon pusillus (Miller, 1902)
Comoros: 1, Mayotte: 2 [**3**].
CHIROPTERA Blumenbach, 1779
"Africa": 8, Algeria: 1, Cameroon: 1, Egypt: 1, Gabon: 1, Madagascar: 1, Mauritius: 2, Senegal: 1, Somalia: 2, Tanzania: 2 [**20**].
Coleura afra (Peters, 1852)
"Africa": 1, Mozambique: 8, Somalia: 24, Tanzania: 3 [**36**].
Coleura seychellensis Peters, 1868
Seychelles: 2 [**2**].
Doryrhina cyclops (Temminck, 1853)
Cameroon: 20 [**20**].
Eidolon dupreanum (Schegel, 1867)
Madagascar: 10 [**10**].
Eidolon helvum (Kerr, 1792)
"Africa": 10, Angola: 10, Cameroon: 48, Congo (Democratic Republic of the): 3, Gabon: 1, Liberia: 2, Namibia: 6, Rwanda: 16, Sudan: 4, Tanzania: 6, Togo: 1 [**107**].
Epomophorus angolensis Gray, 1870
Angola: 8, Namibia: 3 [**11**].
Epomophorus crypturus Peters, 1852
Congo (Democratic Republic of the): 1, Mozambique: 6, South Africa: 2 [**9**].
Epomophorus dobsonii Bocage, 1889
Tanzania: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
"Africa": 4, Cameroon: 2, Central African Republic: 1, Ethiopia: 2, Ghana: 12, Nigeria: 1, Senegal: 4, Togo: 7 [**33**].

Epomophorus gambianus gambianus (Ogilby, 1835)
Benin: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
"Africa": 3, Eritrea: 3, Ethiopia: 1, Kenya: 2, Somalia: 1, Tanzania: 18, Uganda: 6 [**34**].
Epomophorus wahlbergi (Sundevall, 1846)
Angola: 9, Equatorial Guinea: 1, Ghana: 1, Kenya: 10, Mozambique: 1, South Africa: 3, Tanzania: 46 [**71**].
Epomops buettikoferi (Matschie, 1899)
Côte d'Ivoire: 1 [**1**].
Epomops franqueti (Tomes, 1860)
Benin: 1, Cameroon: 29, Central African Republic: 1, Congo (Democratic Republic of the): 1, Equatorial Guinea: 2, Gabon: 2, Ghana: 10, Liberia: 1, Nigeria: 1, Tanzania: 1, Togo: 3 [**52**].
Eptesicus isabellinus (Temminck, 1840)
Algeria: 2, Tunisia: 2 [**4**].
Glauconycteris argentata (Dobson, 1875)
Cameroon: 2, Rwanda: 1 [**3**].
Glauconycteris variegata (Tomes, 1861)
Congo (Democratic Republic of the): 1, Namibia: 1, Somalia: 1, Tanzania: 3, Uganda: 1 [**7**].
Hipposideros caffer (Sundevall, 1846)
"Africa": 1, Angola: 2, Cameroon: 41, Equatorial Guinea: 2, Ghana: 5, Guinea: 4, Kenya: 5, Mozambique: 3, Namibia: 5, Rwanda: 1, São Tomé and Principé: 1, Somalia: 19, South Africa: 2, South Sudan: 13, Tanzania: 21 [**125**].
Hipposideros fuliginosus (Temminck, 1853)
Cameroon: 5, Ghana: 4, Tanzania: 1 [**10**].
Hipposideros ruber (Noack, 1893)
Equatorial Guinea: 1, São Tomé and Principé: 6, Tanzania: 6 [**13**].
Hipposideros tephrus (Cabrera, 1906)
Eritrea: 1, Ethiopia: 3, Morocco: 3 [**7**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 39, Congo (Democratic Republic of the): 2, Equatorial Guinea: 2, Gabon: 2, Togo: 3 [**48**].
Kerivoula africana Dobson, 1878
Tanzania: 1 [**1**].
Kerivoula argentata Tomes, 1861
"Africa": 2, Congo (Democratic Republic of the): 2, Tanzania: 3 [**7**].
Kerivoula phalaena Thomas, 1912
Cameroon: 2 [**2**].
Kerivoula smithii Thomas, 1880
Tanzania: 1 [**1**].
Laephotis wintoni Thomas, 1901
Tanzania: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
"Africa": 7, Cameroon: 4, Chad: 1, Congo (Democratic Republic of the): 3, Egypt: 1, Ethiopia: 8, Ghana: 3, Guinea: 1, Kenya: 8, Liberia: 1, Rwanda: 1, Senegal: 1, Somalia: 3, South Sudan: 4, Sudan: 7, Tanzania: 29, Togo: 3, Uganda: 6 [**91**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
Madagascar: 3, Réunion: 1 [**4**].
Macronycteris vittatus (Peters, 1852)
"Africa": 1, Angola: 1, Cameroon: 3, Chad: 1, Congo (Democratic Republic of the): 1, Ethiopia: 2, Guinea-Bissau: 1, Kenya: 1, Mozambique: 2, Namibia: 3, Sudan: 1, Tanzania: 10 [**27**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
Ghana: 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
Cameroon: 4, Gabon: 1 [**5**].
Micropteropus pusillus (Peters, 1868)
Angola: 3, Gabon: 1, Ghana: 2, Guinea-Bissau: 1, Nigeria: 4, Tanzania: 2, Togo: 5 [**18**].
Mimetillus moloneyi (Thomas, 1891)
Cameroon: 2 [**2**].
Miniopterus Bonaparte, 1837
"Africa": 2, Algeria: 5, Comoros: 2, Madagascar: 27, Tunisia: 12 [**48**].
Miniopterus minor Peters, 1867
Tanzania: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
Namibia: 1, South Africa: 1, Tanzania: 5 [**7**].
Mops (Mops) condylurus (A. Smith, 1833)
Angola: 1, Ethiopia: 1, Gabon: 1, Tanzania: 4, Uganda: 1 [**8**].
Mops (Mops) midas (Sundevall, 1843)
Sudan: 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
Cameroon: 1, Mozambique: 1, Tanzania: 4 [**6**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
Cameroon: 1 [**1**].
Mormopterus acetabulosus (Hermann, 1804)
Mauritius: 4 [**4**].
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Réunion: 3 [**3**].
Mormopterus jugularis (Peters, 1865)
Madagascar: 2 [**2**].

Myonycteris angolensis (Bocage, 1898)
Cameroon: 11, Tanzania: 2, Togo: 4 [**17**].
Myonycteris angolensis angolensis (Bocage, 1898)
Cameroon: 5 [**5**].
Myonycteris leptodon K. Andersen, 1908
Côte d'Ivoire: 1 [**1**].
Myonycteris relicta Bergmans, 1980
Tanzania: 2 [**2**].
Myonycteris torquata (Dobson, 1878)
Equatorial Guinea: 2 [**2**].
Myotis Kaup, 1829
Egypt: 1 [**1**].
Myotis bocagii (Peters, 1870)
Angola: 1, Cameroon: 1, Congo (Democratic Republic of the): 1, Gabon: 1, Tanzania: 1 [**5**].
Myotis capaccinii (Bonaparte, 1837)
Tunisia: 6 [**6**].
Myotis goudoti (A. Smith, 1834)
Madagascar: 2 [**2**].
Myotis punicus Felten, 1977
Algeria: 3, Tunisia: 81 [**84**].
Myotis welwitschii (Gray, 1866)
Tanzania: 2 [**2**].
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878
Madagascar: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
Ghana: 2, Togo: 3 [**5**].
Neoromicia brunnea (Thomas, 1880)
Cameroon: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
Ethiopia: 1, Namibia: 3, South Africa: 11, Togo: 1 [**16**].
Neoromicia guineensis (Bocage, 1889)
Egypt: 1 [**1**].
Neoromicia nana (Peters, 1852)
"Africa": 2, Angola: 3, Burundi: 1, Cameroon: 1, Central African Republic: 2, Comoros: 1, Congo: 1, Congo (Democratic Republic of the): 2, Djibouti: 1, Gabon: 1, Guinea: 1, Kenya: 3, Mozambique: 4, Somalia: 1, Tanzania: 13, Togo: 2, Uganda: 2 [**41**].
Neoromicia rendalli (Thomas, 1889)
Ghana: 1, Somalia: 4, Togo: 3, Uganda: 1 [**9**].
Neoromicia somalica (Thomas, 1901)
Ethiopia: 1, Togo: 1 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
Angola: 5, Burundi: 1, Cameroon: 2, Congo (Democratic Republic of the): 3, Guinea: 1, Tanzania: 7, Togo: 1, Uganda: 1 [**21**].
Nycteris arge Thomas, 1903
Cameroon: 2 [**2**].
Nycteris grandis Peters, 1865
Cameroon: 1, Congo: 1, Tanzania: 4 [**6**].
Nycteris hispida (Schreber, 1774)
"Africa": 2, Angola: 1, Cameroon: 2, Gabon: 1, Ghana: 2, Kenya: 1, Mozambique: 2, Sudan: 1, Tanzania: 3 [**15**].
Nycteris macrotis Dobson, 1876
"Africa": 1, Cameroon: 2, Ethiopia: 1, Namibia: 1, Tanzania: 2 [**7**].
Nycteris major (K. Andersen, 1912)
Cameroon: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
"Africa": 3, Angola: 3, Cameroon: 1, Egypt: 4, Eritrea: 1, Ethiopia: 4, Kenya: 1, Mozambique: 5, Namibia: 4, Somalia: 1, South Africa: 2, Tanzania: 17 [**46**].
Nycticeinops schlieffenii (Peters, 1859)
"Africa": 2, Egypt: 1, Ethiopia: 1, Senegal: 8, Sudan: 1, Tanzania: 4, Togo: 1 [**18**].
Otomops martiensseni (Matschie, 1897)
Tanzania: 1 [**1**].
Otonycteris hemprichii Peters, 1859
Algeria: 4, Egypt: 4 [**8**].
Paremballonura atrata (Peters, 1874)
Madagascar: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
Ethiopia: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
Algeria: 6, Egypt: 3, Tunisia: 1 [**10**].
Platymops setiger (Peters, 1878)
Kenya: 1 [**1**].
Plecotus christii Gray, 1838
Egypt: 1 [**1**].
Pteropus livingstonii Gray, 1866
Comoros: 6 [**6**].
Pteropus niger (Kerr, 1792)
Mauritius: 2, Tanzania: 1 [**3**].

Pteropus rufus E. Geoffroy St.-Hilaire, 1803
"Africa": 2, Comoros: 3, Madagascar: 10 [**15**].
Pteropus subniger (Kerr, 1792)
Mauritius: 2, Mozambique: 1, Réunion: 3 [**6**].
Pteropus voeltzkowi Matschie, 1909
Tanzania: 12 [**12**].
Rhinolophus Lacépède, 1799
Central African Republic: 1, Egypt: 2, Kenya: 1, Senegal: 1, South Africa: 1, Tanzania: 9, Togo: 1 [**16**].
Rhinolophus blasii Peters, 1867
Ethiopia: 2, Italy: 1 [**3**].
Rhinolophus capensis Lichtenstein, 1823
Namibia: 1, South Africa: 1 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
"Africa": 1, Central African Republic: 2, Egypt: 1, South Africa: 4, Tanzania: 1 [**9**].
Rhinolophus damarensis Roberts, 1946
Namibia: 4 [**4**].
Rhinolophus darlingi K. Andersen, 1905
South Africa: 1 [**1**].
Rhinolophus deckenii Peters, 1868
Tanzania: 1 [**1**].
Rhinolophus denti Thomas, 1904
Namibia: 5 [**5**].
Rhinolophus eloquens K. Andersen, 1905
Tanzania: 3 [**3**].
Rhinolophus euryale Blasius, 1853
Algeria: 1, France: 1 [**2**].
Rhinolophus fumigatus Rüppell, 1842
Namibia: 4, Tanzania: 2 [**6**].
Rhinolophus hildebrandtii Peters, 1878
"Africa": 2, Ethiopia: 2, Kenya: 4, Tanzania: 3 [**11**].
Rhinolophus hipposideros (Bechstein, 1800)
Algeria: 1 [**1**].
Rhinolophus landeri Martin, 1838
Cameroon: 5 [**5**].
Rhinolophus lobatus Peters, 1852
Kenya: 2, Mozambique: 4, South Africa: 1, Tanzania: 5 [**12**].
Rhinolophus mehelyi Matschie, 1901
Algeria: 1, Morocco: 4, Tunisia: 4 [**9**].
Rhinolophus rhodesiae Roberts, 1946
Tanzania: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Algeria: 1, Egypt: 30, Sudan: 3 [**34**].
Rhinopoma microphyllum (Brünnich, 1782)
Algeria: 1, Egypt: 7, Ghana: 1, Sudan: 2 [**11**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
"Africa": 1, Angola: 1, Cameroon: 4, Egypt: 6, Ethiopia: 1, Kenya: 1, South Africa: 3, Tanzania: 20 [**37**].
Rousettus obliviosus Kock, 1978
Comoros: 13, South Africa: 1 [**14**].
Saccolaimus peli (Temminck, 1853)
Cameroon: 1 [**1**].
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Equatorial Guinea: 1 [**1**].
Scotonycteris zenkeri Matschie, 1894
Cameroon: 2 [**2**].
Scotophilus Leach, 1821
Kenya: 1, Tanzania: 2 [**3**].
Scotophilus dinganii (A. Smith, 1833)
Ethiopia: 3, Ghana: 3, Kenya: 1, Mozambique: 1, Senegal: 24, Somalia: 2, Tanzania: 4, Togo: 1 [**39**].
Scotophilus viridis (Peters, 1852)
Mozambique: 1, Tanzania: 2, Togo: 9 [**12**].
Stenonycteris lanosus (Thomas, 1906)
Kenya: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
Egypt: 1 [**1**].
Tadarida lobata (Thomas, 1891)
Tanzania: 1 [**1**].
Taphozous E. Geoffroy St.-Hilaire, 1818
Senegal: 14 [**14**].
Taphozous hildegardeae Thomas, 1909
Kenya: 2 [**2**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Angola: 2, Cameroon: 4, Equatorial Guinea: 1, Mauritius: 1, South Sudan: 1, Tanzania: 5, Uganda: 1 [**16**].
Taphozous nudiventris Cretzschmar, 1830
Egypt: 5 [**5**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
"Africa": 1, Egypt: 8, Sudan: 1 [**10**].

Triaenops Dobson, 1871
Ethiopia: 1 [**1**].
Triaenops afer Peters, 1877
Kenya: 1 [**1**].
Vespertilioninae Gray, 1821
Senegal: 1 [**1**].

Total Specimens for ZMB: 1615

ZMH: Zoologisches Institut und Zoologisches Museum, Hamburg

Eidolon helvum (Kerr, 1792)
Cameroon: 2, Sierra Leone: 1 [**3**].
Eptesicus bottae (Peters, 1869)
Egypt: 1 [**1**].
Hypsignathus monstrosus H. Allen, 1862
Cameroon: 4 [**4**].
Neoromicia nana (Peters, 1852)
Congo (Democratic Republic of the): 2 [**2**].
Nycteris arge Thomas, 1903
Congo (Democratic Republic of the): 1 [**1**].
Nycteris hispida (Schreber, 1774)
"Africa": 2, Cameroon: 1, Chad: 1, Gabon: 1, Mozambique: 1 [**6**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
Namibia: 3, Tanzania: 1 [**4**].
Pipistrellus kuhlii (Kuhl, 1817)
Algeria: 11 [**11**].
Pipistrellus rueppellii (Fischer, 1829)
Tanzania: 1 [**1**].
Rhinopoma cystops Thomas, 1903
Egypt: 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
Egypt: 1 [**1**].

Total Specimens for ZMH: 36

ZMMU: Zoological Museum Moscow University

Chaerephon nigeriae Thomas, 1913
Ethiopia: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
Ethiopia: 7 [**7**].
Coleura afra (Peters, 1852)
Ethiopia: 3 [**3**].
Hipposideros abae J.A. Allen, 1917
Ethiopia: 1 [**1**].
Hipposideros cf. centralis Andersen, 1906
Ethiopia: 9 [**9**].
Hipposideros tephrus (Cabrera, 1906)
Ethiopia: 3 [**3**].
Laephotis wintoni Thomas, 1901
Ethiopia: 2 [**2**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
Ethiopia: 2 [**2**].
Mops (Mops) midas (Sundevall, 1843)
Ethiopia: 1 [**1**].
Myotis scotti Thomas, 1927
Ethiopia: 1 [**1**].
Neoromicia aff. guineensis Bocage, 1889
Ethiopia: 16 [**16**].
Neoromicia guineensis (Bocage, 1889)
Ethiopia: 6 [**6**].
Neoromicia helios (Heller, 1912)
Tanzania: 1 [**1**].
Neoromicia somalica (Thomas, 1901)
Ethiopia: 2 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
Congo (Democratic Republic of the): 2 [**2**].
Nycteris cf. parisii De Beaux, 1924
Ethiopia: 1 [**1**].
Nycteris hispida (Schreber, 1774)
Ethiopia: 9 [**9**].
Nycticeinops schlieffenii (Peters, 1859)
Ethiopia: 17 [**17**].

Pipistrellus aero Heller, 1912
Ethiopia: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
Ethiopia: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
Ethiopia: 2 [**2**].
Pipistrellus rusticus (Tomes, 1861)
Ethiopia: 6 [**6**].
Plecotus balensis Kruskop & Lavrenchenko, 2000
Ethiopia: 1 [**1**].
Rhinolophus landeri Martin, 1838
Ethiopia: 2 [**2**].
Scotophilus leucogaster (Cretzschmar, 1826)
Ethiopia: 6 [**6**].
Scotophilus viridis (Peters, 1852)
Ethiopia: 5 [**5**].
Triaenops afer Peters, 1877
Ethiopia: 23 [**23**].

Total Specimens for ZMMU: 132

ZMUC: Zoologisk Museum Universitet, Copenhagen

Chaerephon pumilus (Cretzschmar, 1826)
"Africa": 4 [**4**].
Mops (Mops) condylurus (A. Smith, 1833)
"Africa": 1 [**1**].
Neoromicia nana (Peters, 1852)
Congo (Democratic Republic of the): 3, Mali: 8, Nigeria: 2, South Sudan: 3, Tanzania: 3 [**19**].
Nycteris aurita (K. Andersen, 1912)
Kenya: 1 [**1**].
Nycteris hispida (Schreber, 1774)
"Africa": 3, South Sudan: 13 [**16**].
Nycteris macrotis Dobson, 1876
South Sudan: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
South Sudan: 20, Sudan: 1, Tanzania: 26 [**47**].
Pipistrellus hesperidus (Temminck, 1840)
Tanzania: 8 [**8**].
Rhinolophus capensis Lichtenstein, 1823
"Africa": 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
"Africa": 2 [**2**].
Rhinopoma microphyllum (Brünnich, 1782)
"Africa": 3, Egypt: 1 [**4**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
"Africa": 1 [**1**].

Total Specimens for ZMUC: 105

ZMUI: Zoology Museum of the University of Ibadan

Epomophorus gambianus (Ogilby, 1835)
Nigeria: 16 [**16**].
Myonycteris angolensis smithii (Thomas, 1908)
Nigeria: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
Nigeria: 1 [**1**].

Total Specimens for ZMUI: 18

ZMZ: Zoologisches Museum der Universität, Zurich

Epomophorus labiatus (Temminck, 1837)
Congo (Democratic Republic of the): 8, Rwanda: 11 [**19**].
Epomophorus wahlbergi (Sundevall, 1846)
Tanzania: 8 [**8**].
Neoromicia nana (Peters, 1852)
Congo (Democratic Republic of the): 2 [**2**].
Neoromicia zuluensis (Roberts, 1924)
Rwanda: 1 [**1**].
Nycteris hispida (Schreber, 1774)
Congo (Democratic Republic of the): 1 [**1**].
Rhinolophus hilli Aellen, 1973
Rwanda: 1 [**1**].

Total Specimens for ZMZ: 32

Appendix 2d: Voucher Specimens per Museum and Country

AMNH: American Museum of Natural History

"Africa":
Pipistrellus kuhlii (Kuhl, 1817): 4, [4].

Algeria:
Myotis punicus Felten, 1977: 1, [1].

Angola:
Chaerephon chapini J.A. Allen, 1917: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 2, *Chamtwaria pickfordi* Butler, 1984: 1, *EMBALLONURIDAE* Gervais, 1855: 1, *Epomophorus angolensis* Gray, 1870: 3, *Epomophorus dobsonii* Bocage, 1889: 25, *Epomophorus wahlbergi* (Sundevall, 1846): 4, *Hipposideros caffer* (Sundevall, 1846): 6, *Hypsugo anchietae* (Seabra, 1900): 8, *Laephotis angolensis* Monard, 1935: 2, *Mimetillus thomasi* Hinton, 1920: 4, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 2, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia flavescens* (Seabra, 1900): 17, *Neoromicia nana* (Peters, 1852): 14, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Otomops martiensseni icarus* Chubb, 1917: 1, *Rhinolophus fumigatus* Rüppell, 1842: 4, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, [105].

Botswana:
Chaerephon pumilus (Cretzschmar, 1826): 101, *Cloeotis percivali* Thomas, 1901: 6, *Epomophorus crypturus* Peters, 1852: 15, *Kerivoula lanosa* (A. Smith, 1847): 1, *Mops (Mops) midas midas* (Sundevall, 1843): 6, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 47, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus rueppellii vernayi* Roberts, 1932: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus simulator* K. Andersen, 1904: 9, *Sauromys petrophilus petrophilus* (Roberts, 1917): 1, *Scotophilus dinganii* (A. Smith, 1833): 7, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 2, *VESPERTILIONIDAE* Gray, 1821: 3, [203].

Burkina Faso:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Nycteris macrotis* Dobson, 1876: 1, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus viridis* (Peters, 1852): 1, [9].

Cameroon:
Chaerephon ansorgei (Thomas, 1913): 3, *Doryrhina cyclops* (Temminck, 1853): 16, *Eidolon helvum* (Kerr, 1792): 1, *Eidolon helvum helvum* (Kerr, 1792): 4, *Epomophorus gambianus* (Ogilby, 1835): 3, *Epomops franqueti* (Tomes, 1860): 19, *Glauconycteris alboguttata* J.A. Allen, 1917: 1, *Glauconycteris argentata* (Dobson, 1875): 5, *Glauconycteris curryae* Eger and Schlitter, 2001: 1, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros caffer* (Sundevall, 1846): 2, *Hipposideros camerunensis* Eisentraut, 1956: 1, *Hipposideros fuliginosus* (Temminck, 1853): 1, *Hipposideros ruber* (Noack, 1893): 30, *Hypsignathus monstrosus* H. Allen, 1862: 6, *Macronycteris gigas* (Wagner, 1845): 4, *Megaloglossus woermanni* Pagenstecher, 1885: 19, *Micropteropus pusillus* (Peters, 1868): 5, *Mimetillus moloneyi* (Thomas, 1891): 3, *Mops (Mops) congicus* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 3, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) petersoni* (El Rayah, 1981): 9, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 13, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 23, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 2, *Myonycteris torquata* (Dobson, 1878): 32, *Myotis bocagii cupreolus* Thomas, 1904: 2, *Nanonycteris veldkampii* (Jentink, 1888): 1, *Neoromicia brunnea* (Thomas, 1880): 1, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 2, *Pipistrellus nanulus* Thomas, 1904: 2, *Rhinolophus alcyone* Temminck, 1853: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 13, *Saccolaimus peli* (Temminck, 1853): 8, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotoecus hindei* Thomas, 1901: 1, *Scotonycteris zenkeri* Matschie, 1894: 3, *Scotophilus nux* Thomas, 1904: 4, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [255].

Central African Republic:
Casinycteris argynnis Thomas, 1910: 1, *Chaerephon leucogaster* (A. Grandidier, 1869): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *CHIROPTERA* Blumenbach, 1779: 1, *Doryrhina cyclops* (Temminck, 1853): 4, *Epomops franqueti* (Tomes, 1860): 8, *Glauconycteris beatrix* Thomas, 1901: 4, *Glauconycteris egeria* Thomas, 1913: 3, *Hipposideros abae* J.A. Allen, 1917: 2, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 4, *Macronycteris gigas* (Wagner, 1845): 1, *Macronycteris vittatus* (Peters, 1852): 2, *Megaloglossus woermanni* Pagenstecher, 1885: 4, *Micropteropus pusillus* (Peters, 1868): 1, *Mimetillus moloneyi* (Thomas, 1891): 2, *Myonycteris torquata* (Dobson, 1878): 4, *Myotis bocagii cupreolus* Thomas, 1904: 2, *Nycteris arge* Thomas, 1903: 4, *Nycteris grandis* Peters, 1865: 4, *Nycteris hispida* (Schreber, 1774): 5, *Nycteris intermedia* Aellen, 1959: 1, *Rhinolophus alcyone* Temminck, 1853: 2, *Scotophilus dinganii* (A. Smith, 1833): 1, [63].

Chad:
Chaerephon leucogaster (A. Grandidier, 1869): 9, *Epomophorus gambianus gambianus* (Ogilby, 1835): 16, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Neoromicia guineensis* (Bocage, 1889): 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris hispida* (Schreber, 1774): 17, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, [48].

Comoros:
Pteropus livingstonii Gray, 1866: 89, [89].

Congo:
Chaerephon leucogaster (A. Grandidier, 1869): 22, *Eidolon helvum helvum* (Kerr, 1792): 3, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Epomops franqueti* (Tomes, 1860): 1, *Glauconycteris argentata* (Dobson, 1875): 12, *Hipposideros ruber* (Noack, 1893): 3, *Micropteropus pusillus* (Peters, 1868): 12, *Mops (Mops) condylurus* (A. Smith, 1833): 15, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 5, [77].

Congo (Democratic Republic of the):
Casinycteris argynnis Thomas, 1910: 1, *Chaerephon aloysiisabaudiae* (Festa, 1907): 1, *Chaerephon ansorgei* (Thomas, 1913): 24, *Chaerephon chapini* J.A. Allen, 1917: 2, *Chaerephon leucogaster* (A. Grandidier, 1869): 28, *Chaerephon major* (Trouessart, 1897): 34, *Chaerephon nigeriae nigeriae* Thomas, 1913: 1, *Chaerephon russatus* J.A. Allen, 1917: 24, *CHIROPTERA* Blumenbach, 1779: 4, *Coleura afra* (Peters, 1852): 14, *Doryrhina cyclops* (Temminck, 1853): 14, *Eidolon helvum* (Kerr, 1792): 2, *Eidolon helvum helvum* (Kerr, 1792): 86, *Epomophorus labiatus* (Temminck, 1837): 24, *Epomophorus minor* Dobson, 1880:

2, *Epomophorus wahlbergi* (Sundevall, 1846): 11, *Epomops franqueti* (Tomes, 1860): 31, *Glauconycteris alboguttata* J.A. Allen, 1917: 1, *Glauconycteris beatrix* Thomas, 1901: 1, *Glauconycteris humeralis* J.A. Allen, 1917: 5, *Glauconycteris poensis* (Gray, 1842): 1, *Glauconycteris variegata* (Tomes, 1861): 20, *Hipposideros abae* J.A. Allen, 1917: 33, *Hipposideros caffer* (Sundevall, 1846): 3, *Hipposideros ruber* (Noack, 1893): 73, *Hypsignathus monstrosus* H. Allen, 1862: 44, *Hypsugo anchietae* (Seabra, 1900): 2, *Hypsugo cf. eisentrauti* Hill, 1968: 2, *Kerivoula phalaena* Thomas, 1912: 1, *Kerivoula smithii* Thomas, 1880: 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 28, *Macronycteris gigas* (Wagner, 1845): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 3, *Micropteropus pusillus* (Peters, 1868): 15, *Mimetillus moloneyi* (Thomas, 1891): 4, *Miniopterus fraterculus* Thomas and Schwann, 1906: 17, *Miniopterus natalensis* (A. Smith, 1833): 26, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Mops (Mops) congicus* J.A. Allen, 1917: 15, *Mops (Mops) demonstrator* (Thomas, 1903): 2, *Mops (Mops) midas midas* (Sundevall, 1843): 6, *Mops (Mops) niangarae* J.A. Allen, 1917: 1, *Mops (Mops) trevori* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 23, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 6, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 8, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 4, *Myonycteris torquata* (Dobson, 1878): 4, *Myopterus daubentonii* Desmarest, 1820: 7, *Myopterus whitleyi* (Scharff, 1900): 4, *Myotis bocagii bocagii* (Peters, 1870): 1, *Myotis bocagii cupreolus* Thomas, 1904: 30, *Neoromicia brunnea* (Thomas, 1880): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia guineensis* (Bocage, 1889): 2, *Neoromicia nana* (Peters, 1852): 87, *Neoromicia rendalli* (Thomas, 1889): 38, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters, 1872): 18, *Nycteris arge* Thomas, 1903: 18, *Nycteris hispida* (Schreber, 1774): 29, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris major* (K. Andersen, 1912): 1, *Pipistrellus nanulus* Thomas, 1904: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus alcyone* Temminck, 1853: 1, *Rhinolophus eloquens* K. Andersen, 1905: 5, *Rhinolophus fumigatus* Rüppell, 1842: 9, *Rhinolophus lobatus* Peters, 1852: 4, *Rhinolophus ruwenzorii* J. Eric Hill, 1942: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, *Saccolaimus peli* (Temminck, 1853): 25, *Scotoecus hindei* Thomas, 1901: 1, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 3, *Scotophilus nigrita* (Schreber, 1774): 7, *Scotophilus nux* Thomas, 1904: 2, *Stenonycteris lanosus* (Thomas, 1906): 6, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 48, *Taphozous perforatus sudani* Thomas, 1915: 8, [1029].

Côte d'Ivoire:

Doryrhina cyclops (Temminck, 1853): 3, *Eidolon helvum* (Kerr, 1792): 2, *Epomops buettikoferi* (Matschie, 1899): 9, *Epomops franqueti* (Tomes, 1860): 2, *Hipposideros fuliginosus* (Temminck, 1853): 5, *Hipposideros ruber* (Noack, 1893): 1, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 1, *Micropteropus pusillus* (Peters, 1868): 1, *Mimetillus moloneyi* (Thomas, 1891): 2, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 12, *Neoromicia nana* (Peters, 1852): 3, *Scotonycteris occidentalis* Hayman, 1947: 4, *Scotophilus nucella* Robbins, 1983: 1, *Scotophilus nux* Thomas, 1904: 2, [51].

Egypt:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Rhinopoma cystops* Thomas, 1903: 3, *Taphozous nudiventris* Cretzschmar, 1830: 1, [5].

Equatorial Guinea:

Doryrhina cyclops (Temminck, 1853): 1, *Eidolon helvum helvum* (Kerr, 1792): 3, *Hypsignathus monstrosus* H. Allen, 1862: 3, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 1, *Myonycteris angolensis* (Bocage, 1898): 1, *Pipistrellus nanulus* Thomas, 1904: 2, *Rhinolophus alcyone* Temminck, 1853: 2, *Rhinolophus landeri* Martin, 1838: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [15].

Ethiopia:

Chaerephon pumilus (Cretzschmar, 1826): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Neoromicia somalica* (Thomas, 1901): 2, *Pipistrellus hesperidus* (Temminck, 1840): 3, *Rhinolophus blasii* Peters, 1867: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, [15].

Gabon:

Doryrhina cyclops (Temminck, 1853): 1, *Eidolon helvum helvum* (Kerr, 1792): 6, *Epomops franqueti* (Tomes, 1860): 1, *Hipposideros ruber* (Noack, 1893): 1, *Hypsugo musciculus* (Thomas, 1913): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 2, *Micropteropus pusillus* (Peters, 1868): 1, *Mimetillus moloneyi* (Thomas, 1891): 1, *Pipistrellus nanulus* Thomas, 1904: 1, [15].

Ghana:

Chaerephon pumilus (Cretzschmar, 1826): 10, *Coleura afra* (Peters, 1852): 2, *Doryrhina cyclops* (Temminck, 1853): 4, *Eidolon helvum helvum* (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 3, *Epomophorus gambianus gambianus* (Ogilby, 1835): 13, *Epomops buettikoferi* (Matschie, 1899): 1, *Epomops franqueti* (Tomes, 1860): 1, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros jonesi* Hayman, 1947: 5, *Hipposideros ruber* (Noack, 1893): 18, *Hipposideros tephrus* (Cabrera, 1906): 5, *Micropteropus pusillus* (Peters, 1868): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Nanonycteris veldkampii* (Jentink, 1888): 5, *Neoromicia nana* (Peters, 1852): 4, *Nycteris arge* Thomas, 1903: 3, *Nycteris gambiensis* (K. Andersen, 1912): 2, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 2, *Rhinolophus landeri* Martin, 1838: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus viridis* (Peters, 1852): 3, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 3, [97].

Guinea-Bissau:

Mops (Mops) condylurus (A. Smith, 1833): 1, [1].

Kenya:

Cardioderma cor (Peters, 1872): 18, *Chaerephon bivittatus* (Heuglin, 1861): 5, *Chaerephon pumilus* (Cretzschmar, 1826): 35, *CHIROPTERA* Blumenbach, 1779: 1, *Coleura afra* (Peters, 1852): 11, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus minimus* Claessen & De Vree, 1991: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 44, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros* Gray, 1831: 1, *Hipposideros caffer* (Sundevall, 1846): 7, *Hipposideros megalotis* (Heuglin, 1861): 1, *Hipposideros ruber* (Noack, 1893): 2, *Hypsugo eisentrauti* (Hill, 1968): 1, *Kerivoula argentata* Tomes, 1861: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 22, *Macronycteris vittatus* (Peters, 1852): 10, *Mimetillus moloneyi* (Thomas, 1891): 1, *Miniopterus africanus* Sanborn, 1936: 4, *Miniopterus minor* Peters, 1867: 3, *Miniopterus natalensis* (A. Smith, 1833): 7, *Mops (Mops) condylurus* (A. Smith, 1833): 9, *Neoromicia rendalli* (Thomas, 1889): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris aurita* (K. Andersen, 1912): 15, *Nycteris macrotis* Dobson, 1876: 26, *Nycteris nana* (K. Andersen, 1912): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 12, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 2, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Platymops setiger* (Peters, 1878): 1, *Platymops setiger setiger* (Peters, 1878): 1, *Rhinolophus hildebrandtii* Peters, 1878: 2, *Rhinolophus hillorum* Koopman, 1989: 1, *Rhinolophus lobatus* Peters, 1852: 3, *Rhinopoma macinnesi* Hayman, 1937: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 15, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotoecus hindei* Thomas, 1901: 8, *Scotophilus dinganii* (A. Smith, 1833): 5, *Scotophilus viridis* (Peters, 1852): 1, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Taphozous hildegardeae* Thomas, 1909: 4, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops afer* Peters, 1877: 6, [303].

Liberia:
Casinycteris ophiodon (Pohle, 1943): 1, *Chaerephon major* (Trouessart, 1897): 8, *Doryrhina cyclops* (Temminck, 1853): 3, *Eidolon helvum helvum* (Kerr, 1792): 2, *Epomophorus gambianus* (Ogilby, 1835): 19, *Epomops buettikoferi* (Matschie, 1899): 22, *Glauconycteris poensis* (Gray, 1842): 8, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros fuliginosus* (Temminck, 1853): 9, *Hipposideros jonesi* Hayman, 1947: 1, *Hipposideros lamottei* Brosset, 1985: 2, *Hipposideros marisae* Aellen, 1954: 1, *Hipposideros ruber* (Noack, 1893): 73, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Hypsugo eisentrauti* (Hill, 1968): 1, *Macronycteris gigas* (Wagner, 1845): 1, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 27, *Micropteropus pusillus* (Peters, 1868): 15, *Mimetillus moloneyi* (Thomas, 1891): 12, *Miniopterus inflatus* Thomas, 1903: 3, *Miniopterus inflatus inflatus* Thomas, 1903: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 8, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 29, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 1, *Myonycteris angolensis smithii* (Thomas, 1908): 22, *Myonycteris leptodon* K. Andersen, 1908: 38, *Myotis tricolor* (Temminck, 1832): 1, *Nanonycteris veldkampii* (Jentink, 1888): 9, *Neoromicia brunnea* (Thomas, 1880): 1, *Neoromicia nana* (Peters, 1852): 5, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris arge* Thomas, 1903: 2, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris intermedia* Aellen, 1959: 1, *Nycteris macrotis* Dobson, 1876: 6, *Nycteris major* (K. Andersen, 1912): 1, *Pipistrellus nanulus* Thomas, 1904: 2, *Rhinolophus guineensis* Eisentraut, 1960: 40, *Rhinolophus hillorum* Koopman, 1989: 3, *Rhinolophus simulator* K. Andersen, 1904: 2, *Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 50, *Saccolaimus peli* (Temminck, 1853): 4, *Scotonycteris occidentalis* Hayman, 1947: 8, *Scotophilus nux* Thomas, 1904: 1, [454].

Madagascar:
Eidolon dupreanum (Schegel, 1867): 15, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 1, *Miniopterus manavi* Thomas, 1906: 1, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 16, *Mops (Mops) midas miarensis* (A. Grandidier, 1869): 1, *Mormopterus jugularis* (Peters, 1865): 1, *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878: 1, *Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007: 1, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 11, [48].

Malawi:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Epomophorus crypturus* Peters, 1852: 2, *Epomophorus labiatus* (Temminck, 1837): 7, *Hipposideros caffer* (Sundevall, 1846): 13, *Miniopterus fraterculus* Thomas and Schwann, 1906: 8, *Miniopterus natalensis* (A. Smith, 1833): 4, *Mops (Mops) condylurus* (A. Smith, 1833): 42, *Myotis bocagii bocagii* (Peters, 1870): 2, *Neoromicia nana* (Peters, 1852): 64, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [148].

Mali:
Chaerephon leucogaster (A. Grandidier, 1869): 1, [1].

Mauritius:
Mormopterus acetabulosus (Hermann, 1804): 1, *Pteropus rodricensis* Dobson, 1878: 22, [23].

Mayotte:
Pteropus livingstonii Gray, 1866: 5, [5].

Morocco:
Myotis punicus Felten, 1977: 1, [1].

Mozambique:
Chaerephon pumilus (Cretzschmar, 1826): 18, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Hipposideros caffer* (Sundevall, 1846): 16, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus fraterculus* Thomas and Schwann, 1906: 9, *Mops (Mops) condylurus* (A. Smith, 1833): 11, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 6, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 11, *Triaenops afer* Peters, 1877: 12, [89].

Namibia:
Chaerephon nigeriae Thomas, 1913: 2, *Epomophorus crypturus* Peters, 1852: 1, *Eptesicus hottentotus* (A. Smith, 1833): 2, *Macronycteris vittatus* (Peters, 1852): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia zuluensis* (Roberts, 1924): 1, *Sauromys petrophilus erongensis* (Roberts, 1946): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, [11].

Nigeria:
Epomophorus gambianus gambianus (Ogilby, 1835): 2, *Epomophorus minor* Dobson, 1880: 1, *Epomops franqueti* (Tomes, 1860): 3, *Glauconycteris poensis* (Gray, 1842): 1, *Micropteropus pusillus* (Peters, 1868): 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 4, [14].

Rwanda:
Epomophorus labiatus (Temminck, 1837): 2, [2].

São Tomé and Principé:
Hipposideros ruber (Noack, 1893): 2, [2].

Seychelles:
Pteropus seychellensis A. Milne-Edwards, 1877: 1, [1].

Sierra Leone:
Glauconycteris poensis (Gray, 1842): 1, [1].

Somalia:
Cardioderma cor (Peters, 1872): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 20, *Coleura afra* (Peters, 1852): 15, *Hipposideros caffer* (Sundevall, 1846): 12, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, [53].

South Africa:
Chaerephon ansorgei (Thomas, 1913): 4, *Chaerephon pumilus* (Cretzschmar, 1826): 15, *Cistugo lesueuri* Roberts, 1919: 1, *Epomophorus crypturus* Peters, 1852: 2, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 14, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 24, *Kerivoula argentata* Tomes, 1861: 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 5, *Miniopterus natalensis* (A. Smith, 1833): 9, *Mops (Mops) condylurus* (A. Smith, 1833): 8, *Myotis bocagii bocagii* (Peters, 1870): 1, *Myotis tricolor* (Temminck, 1832): 11, *Neoromicia capensis* (A. Smith, 1829): 25, *Neoromicia nana* (Peters, 1852): 6, *Neoromicia somalica* (Thomas, 1901): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 8, *Nycticeinops schlieffenii* (Peters, 1859): 15, *Otomops martiensseni icarus* Chubb, 1917: 2, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pipistrellus rueppellii vernayi* Roberts, 1932: 1, *Pipistrellus rusticus* (Tomes, 1861): 12, *Rhinolophus* Lacépède, 1799: 6, *Rhinolophus capensis* Lichtenstein, 1823: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 34, *Rhinolophus darlingi* K. Andersen, 1905: 8, *Rhinolophus simulator* K. Andersen, 1904: 13, *Rhinolophus swinnyi* Gough, 1908: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, *Scotophilus dinganii* (A. Smith, 1833): 21, *Scotophilus nigrita*

(Schreber, 1774): 1, *Scotophilus viridis* (Peters, 1852): 15, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 4, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, [286].

South Sudan:

Cardioderma cor (Peters, 1872): 1, *Chaerephon major* (Trouessart, 1897): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 15, *Coleura afra* (Peters, 1852): 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 19, *Micropteropus pusillus* (Peters, 1868): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Mops (Mops) demonstrator* (Thomas, 1903): 16, *Mops (Mops) midas midas* (Sundevall, 1843): 6, *Neoromicia helios* (Heller, 1912): 4, *Neoromicia rendalli* (Thomas, 1889): 15, *Nycteris hispida* (Schreber, 1774): 31, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus rueppellii fuscipes* Thomas, 1913: 3, *Scotoecus hindei* Thomas, 1901: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 10, *Tadarida* Rafinesque, 1814: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [131].

Sudan:

Chaerephon pumilus (Cretzschmar, 1826): 1, *Coleura afra* (Peters, 1852): 32, *Eidolon helvum helvum* (Kerr, 1792): 5, *Eptesicus floweri* (de Winton, 1901): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 16, *Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829): 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 3, [60].

Tanzania:

Chaerephon bemmeleni (Jentink, 1879): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 20, *Epomophorus minor* Dobson, 1880: 5, *Epomophorus wahlbergi* (Sundevall, 1846): 5, *Glauconycteris argentata* (Dobson, 1875): 11, *Glauconycteris poensis* (Gray, 1842): 3, *Hipposideros caffer* (Sundevall, 1846): 4, *Hipposideros ruber* (Noack, 1893): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 5, *Macronycteris vittatus* (Peters, 1852): 3, *MOLOSSIDAE* Gervais, 1856: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 4, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 1, *Neoromicia nana* (Peters, 1852): 59, *Neoromicia somalica* (Thomas, 1901): 2, *Nycteris grandis* Peters, 1865: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 6, *Pipistrellus rueppellii fuscipes* Thomas, 1913: 1, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus deckenii* Peters, 1868: 6, *Rhinolophus hildebrandtii* Peters, 1878: 4, *Rhinolophus simulator* K. Andersen, 1904: 2, *Scotoecus hindei* Thomas, 1901: 3, *Scotophilus dinganii* (A. Smith, 1833): 10, *Scotophilus viridis* (Peters, 1852): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 4, *Triaenops afer* Peters, 1877: 1, [168].

Tunisia:

Rhinolophus mehelyi Matschie, 1901: 1, [1].

Uganda:

Chaerephon pumilus (Cretzschmar, 1826): 42, *CHIROPTERA* Blumenbach, 1779: 3, *Eidolon helvum helvum* (Kerr, 1792): 6, *Epomophorus labiatus* (Temminck, 1837): 2, *Epomops franqueti* (Tomes, 1860): 5, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 16, *Hipposideros ruber* (Noack, 1893): 3, *Hipposideros tephrus* (Cabrera, 1906): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 4, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Mops (Mops) midas* (Sundevall, 1843): 26, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 26, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 7, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 3, *Myonycteris angolensis* (Bocage, 1898): 2, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 1, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia helios* (Heller, 1912): 5, *Neoromicia nana* (Peters, 1852): 7, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris hispida* (Schreber, 1774): 6, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus nanulus* Thomas, 1904: 4, *Pipistrellus rueppellii fuscipes* Thomas, 1913: 3, *Rhinolophus clivosus* Cretzschmar, 1828: 6, *Rhinolophus eloquens* K. Andersen, 1905: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 3, *Stenonycteris lanosus* (Thomas, 1906): 15, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 2, *Taphozous perforatus sudani* Thomas, 1915: 3, [213].

Zambia:

Chaerephon leucogaster (A. Grandidier, 1869): 59, *Chaerephon nigeriae* Thomas, 1913: 1, *Chaerephon nigeriae spillmanni* (Monard, 1933): 39, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Epomophorus crypturus* Peters, 1852: 7, *Epomophorus dobsonii* Bocage, 1889: 2, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus minor* Dobson, 1880: 2, *Eptesicus* Rafinesque, 1820: 6, *Hipposideros caffer* (Sundevall, 1846): 4, *Hipposideros ruber* (Noack, 1893): 5, *Hypsugo anchietae* (Seabra, 1900): 38, *Kerivoula argentata* Tomes, 1861: 3, *Macronycteris vittatus* (Peters, 1852): 1, *Mimetillus thomasi* Hinton, 1920: 9, *Miniopterus natalensis* (A. Smith, 1833): 5, *MOLOSSIDAE* Gervais, 1856: 5, *Mops (Mops) condylurus* (A. Smith, 1833): 30, *Mops (Mops) midas midas* (Sundevall, 1843): 2, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 2, *Myotis tricolor* (Temminck, 1832): 1, *Neoromicia capensis* (A. Smith, 1829): 4, *Neoromicia nana* (Peters, 1852): 5, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Nycteris woodi* K. Andersen, 1914: 1, *Nycticeinops schlieffenii* (Peters, 1859): 4, *Pipistrellus rueppellii vernayi* Roberts, 1932: 21, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus* Lacépède, 1799: 3, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinolophus lobatus* Peters, 1852: 2, *Rhinolophus rhodesiae* Roberts, 1946: 1, *Rhinolophus simulator* K. Andersen, 1904: 1, *Scotophilus dinganii* (A. Smith, 1833): 5, *Scotophilus leucogaster* (Cretzschmar, 1826): 3, [280].

Zimbabwe:

Epomophorus crypturus Peters, 1852: 17, *Miniopterus natalensis* (A. Smith, 1833): 6, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 10, *Scotophilus dinganii* (A. Smith, 1833): 13, [50].

Total Specimens for AMNH: 4427

AMS: Australian Museum Sydney

"Africa":

Eidolon helvum (Kerr, 1792): 1, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 1, *Mops (Xiphonycteris) petersoni* (El Rayah, 1981): 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Otomops martiensseni* (Matschie, 1897): 1, *Pteropus seychellensis* A. Milne-Edwards, 1877: 1, *Pteropus subniger* (Kerr, 1792): 1, *Pteropus voeltzkowi* Matschie, 1909: 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Scotoecus hirundo* (de Winton, 1899): 1, [14].

Kenya:

Cardioderma cor (Peters, 1872): 1, [1].

Liberia:

Myonycteris leptodon K. Andersen, 1908: 1, [1].

Mauritius:

Pteropus niger (Kerr, 1792): 1, [1].

Tanzania:

Epomophorus wahlbergi (Sundevall, 1846): 1, [1].

Uganda:

Chaerephon bivittatus (Heuglin, 1861): 1, *Doryrhina cyclops* (Temminck, 1853): 1, *Epomops franqueti* (Tomes, 1860): 1, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Megaloglossus woermanni* Pagenstecher, 1885: 1, *Mops (Mops) congicus* J.A. Allen, 1917: 1, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 1, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, [13].

Zambia:

Chaerephon pumilus (Cretzschmar, 1826): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Epomops franqueti* (Tomes, 1860): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 1, *Rhinolophus simulator* K. Andersen, 1904: 1, [7].

Total Specimens for AMS: 38

BDUMZ: Biology Department, University of Malawi

Malawi:

Epomophorus dobsonii Bocage, 1889: 1, [1].

Total Specimens for BDUMZ: 1

BMGD: British Museum Geology Department

Kenya:

Taphozous incognita (Butler & Hopwood, 1957): 1, [1].

Total Specimens for BMGD: 1

BMNH: The Natural History Museum

"Africa":

Chaerephon major (Trouessart, 1897): 1, *CHIROPTERA* Blumenbach, 1779: 5, *Coleura afra* (Peters, 1852): 4, *Eidolon helvum* (Kerr, 1792): 3, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus gambianus* (Ogilby, 1835): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Eptesicus isabellinus* (Temminck, 1840): 1, *Glauconycteris argentata* (Dobson, 1875): 1, *Hipposideros ruber* (Noack, 1893): 2, *Kerivoula lanosa* (A. Smith, 1847): 1, *MOLOSSIDAE* Gervais, 1856: 1, *Mops (Mops) midas* (Sundevall, 1843): 2, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 5, *Myotis bocagii* (Peters, 1870): 1, *Myotis punicus* Felten, 1977: 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 5, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus kuhlii* (Kuhl, 1817): 1, *Pipistrellus pipistrellus* (Schreber, 1774): 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pteropus aldabrensis* True, 1893: 11, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinopoma* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *Saccolaimus peli* (Temminck, 1853): 1, *Scotophilus viridis* (Peters, 1852): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [63].

Algeria:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 2, *Hypsugo savii* (Bonaparte, 1837): 1, *Miniopterus schreibersii* (Kuhl, 1817): 4, *Myotis punicus* Felten, 1977: 3, *Otonycteris hemprichii* Peters, 1859: 1, *Pipistrellus kuhlii* (Kuhl, 1817): 28, *Plecotus teneriffae* Barrett-Hamilton, 1907: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus euryale* Blasius, 1853: 5, *Rhinolophus ferrumequinum* (Schreber, 1774): 2, *Rhinolophus hipposideros* (Bechstein, 1800): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [50].

Angola:

Chaerephon ansorgei (Thomas, 1913): 1, *Chaerephon nigeriae spillmanni* (Monard, 1933): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 12, *Cistugo seabrae* Thomas, 1912: 1, *Coleura afra* (Peters, 1852): 1, *Epomophorus angolensis* Gray, 1870: 2, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus dobsonii* Bocage, 1889: 3, *Epomophorus grandis* (Sanborn, 1950): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 16, *Glauconycteris machadoi* Hayman, 1963: 1, *Hipposideros caffer* (Sundevall, 1846): 16, *Hipposideros ruber* (Noack, 1893): 2, *Hypsugo anchietae* (Seabra, 1900): 10, *Macronycteris gigas* (Wagner, 1845): 2, *Macronycteris vittatus* (Peters, 1852): 1, *Micropteropus intermedius* Hayman, 1963: 1, *Micropteropus pusillus* (Peters, 1868): 2, *Miniopterus natalensis* (A. Smith, 1833): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myonycteris angolensis* (Bocage, 1898): 3, *Myonycteris angolensis angolensis* (Bocage, 1898): 2, *Myonycteris torquata* (Dobson, 1878): 3, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 7, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris intermedia* Aellen, 1959: 1, *Nycteris macrotis* Dobson, 1876: 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 6, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus darlingi* K. Andersen, 1905: 2, *Rhinolophus fumigatus* Rüppell, 1842: 5, *Rhinolophus hipposideros* (Bechstein, 1800): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotoecus albigula* Thomas, 1909: 1, *Scotophilus dinganii* (A. Smith, 1833): 3, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 10, [138].

Azores (Portugal):

Nyctalus azoreum (Thomas, 1901): 14, *Nyctalus leisleri* (Kuhl, 1817): 1, [15].

Benin:

Eidolon helvum (Kerr, 1792): 2, *Nycteris grandis* Peters, 1865: 1, [3].

Botswana:

Cloeotis percivali Thomas, 1901: 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, [4].

Burkina Faso:

Epomophorus gambianus (Ogilby, 1835): 2, *Hipposideros abae* J.A. Allen, 1917: 1, *Neoromicia "incertae-sedis"* ?: 5, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia somalica* (Thomas, 1901): 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, [13].

Cameroon:

Casinycteris argynnis Thomas, 1910: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Doryrhina cyclops* (Temminck, 1853): 16, *Eidolon helvum* (Kerr, 1792): 2, *Epomops franqueti* (Tomes, 1860): 13, *Glauconycteris argentata* (Dobson, 1875): 1, *Glauconycteris beatrix* Thomas, 1901: 1, *Glauconycteris egeria* Thomas, 1913: 1, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros caffer* (Sundevall, 1846): 4, *Hipposideros camerunensis* Eisentraut, 1956: 1, *Hipposideros curtus* G.M. Allen, 1921: 3, *Hipposideros ruber* (Noack, 1893): 17, *Hypsignathus monstrosus* H. Allen, 1862: 3, *Hypsugo crassulus* (Thomas, 1904): 1, *Hypsugo eisentrauti* (Hill, 1968): 7, *Hypsugo musciculus* (Thomas, 1913): 6, *Kerivoula cuprosa* Thomas, 1912: 1, *Kerivoula lanosa* (A. Smith, 1847): 9, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Macronycteris gigas* (Wagner, 1845): 3, *Micropteropus pusillus* (Peters, 1868): 1, *Miniopterus inflatus* Thomas, 1903: 1, *Miniopterus natalensis* (A. Smith, 1833): 9, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 3, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 2, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 3, *Myonycteris angolensis* (Bocage, 1898): 1, *Myonycteris angolensis angolensis* (Bocage, 1898): 7, *Myonycteris torquata* (Dobson, 1878): 5, *Myopterus whitleyi* (Scharff, 1900): 6, *Myotis bocagii cupreolus* Thomas, 1904: 5, *Nanonycteris veldkampii* (Jentink, 1888): 3, *Neoromicia* Roberts, 1926: 3, *Neoromicia brunnea* (Thomas, 1880): 2, *Neoromicia nana* (Peters, 1852): 9, *Neoromicia tenuipinnis* (Peters, 1872): 3, *Nycteris arge* Thomas, 1903: 26, *Nycteris grandis* Peters, 1865: 6, *Nycteris hispida* (Schreber, 1774): 11, *Nycteris major* (K. Andersen, 1912): 1, *Nycteris nana* (K. Andersen, 1912): 3, *Pipistrellus* Kaup, 1829: 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Pipistrellus nanulus* Thomas, 1904: 2, *Rhinolophus alcyone* Temminck, 1853: 4, *Rhinolophus fumigatus* Rüppell, 1842: 4, *Rhinolophus hipposideros* (Bechstein, 1800): 4, *Rhinolophus landeri* Martin, 1838: 5, *Rhinolophus simulator* K. Andersen, 1904: 6, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Saccolaimus peli* (Temminck, 1853): 3, *Scotonycteris zenkeri* Matschie, 1894: 2, *Scotophilus nux* Thomas, 1904: 8, [245].

Canary Islands (Spain):

Hypsugo savii (Bonaparte, 1837): 7, *Pipistrellus kuhlii* (Kuhl, 1817): 5, *Plecotus teneriffae* Barrett-Hamilton, 1907: 1, [13].

Cape Verde:

Hypsugo savii (Bonaparte, 1837): 3, [3].

Central African Republic:

Coleura afra (Peters, 1852): 4, *Epomophorus gambianus* (Ogilby, 1835): 3, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros ruber* (Noack, 1893): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Micropteropus pusillus* (Peters, 1868): 2, *Mops (Mops) congicus* J.A. Allen, 1917: 1, *Myonycteris torquata* (Dobson, 1878): 1, *Neoromicia nana* (Peters, 1852): 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Otomops martiensseni* (Matschie, 1897): 2, *Rhinolophus fumigatus* Rüppell, 1842: 7, *Rhinolophus landeri* Martin, 1838: 1, *Scotophilus viridis* (Peters, 1852): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [30].

Chad:

Chaerephon pumilus (Cretzschmar, 1826): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, [2].

Comoros:

Miniopterus griveaudi Harrison, 1959: 1, *Pteropus livingstonii* Gray, 1866: 5, *Pteropus seychellensis* A. Milne-Edwards, 1877: 16, [22].

Congo:

Nycticeinops schlieffenii (Peters, 1859): 1, [1].

Congo (Democratic Republic of the):

Chaerephon Dobson, 1874: 2, *Chaerephon ansorgei* (Thomas, 1913): 4, *Chaerephon gallagheri* (Harrison, 1975): 1, *Chaerephon nigeriae spillmanni* (Monard, 1933): 5, *Chaerephon pumilus* (Cretzschmar, 1826): 18, *Chaerephon russatus* J.A. Allen, 1917: 1, *Coleura afra* (Peters, 1852): 8, *Doryrhina cyclops* (Temminck, 1853): 7, *Eidolon helvum* (Kerr, 1792): 7, *Epomophorus crypturus* Peters, 1852: 3, *Epomophorus dobsonii* Bocage, 1889: 2, *Epomophorus labiatus* (Temminck, 1837): 7, *Epomops franqueti* (Tomes, 1860): 12, *Glauconycteris* Dobson, 1875: 1, *Glauconycteris argentata* (Dobson, 1875): 10, *Glauconycteris beatrix* Thomas, 1901: 2, *Glauconycteris humeralis* J.A. Allen, 1917: 1, *Hipposideros beatus* (K. Andersen, 1906): 6, *Hipposideros caffer* (Sundevall, 1846): 5, *Hipposideros camerunensis* Eisentraut, 1956: 1, *Hipposideros fuliginosus* (Temminck, 1853): 2, *Hipposideros ruber* (Noack, 1893): 39, *Hypsignathus monstrosus* H. Allen, 1862: 6, *Hypsugo crassulus* (Thomas, 1904): 1, *Kerivoula argentata* Tomes, 1861: 4, *Kerivoula lanosa* (A. Smith, 1847): 1, *Kerivoula smithii* Thomas, 1880: 2, *Laephotis angolensis* Monard, 1935: 2, *Laephotis botswanae* Setzer, 1971: 2, *Macronycteris gigas* (Wagner, 1845): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 2, *Micropteropus pusillus* (Peters, 1868): 15, *Mimetillus moloneyi* (Thomas, 1891): 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 7, *Miniopterus inflatus* Thomas, 1903: 3, *Miniopterus minor* Peters, 1867: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 3, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 14, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 10, *Myonycteris angolensis* (Bocage, 1898): 7, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 1, *Myonycteris torquata wroughtoni* K. Andersen, 1908: 2, *Myopterus daubentonii* Desmarest, 1820: 1, *Myopterus whitleyi* (Scharff, 1900): 9, *Myotis bocagii* (Peters, 1870): 5, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 29, *Neoromicia rendalli* (Thomas, 1889): 5, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters, 1872): 11, *Nycteris arge* Thomas, 1903: 17, *Nycteris grandis* Peters, 1865: 5, *Nycteris hispida* (Schreber, 1774): 10, *Nycteris intermedia* Aellen, 1959: 2, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris nana* (K. Andersen, 1912): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Nycticeinops schlieffenii* (Peters, 1859): 5, *Otomops martiensseni* (Matschie, 1897): 1, *Rhinolophus eloquens* K. Andersen, 1905: 4, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinolophus ruwenzorii* J. Eric Hill, 1942: 3, *Rousettus* Gray, 1821: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 8, *Saccolaimus peli* (Temminck, 1853): 6, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus nux* Thomas, 1904: 1, *Tadarida* Rafinesque, 1814: 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 5, *Taphozous perforatus sudani* Thomas, 1915: 2, [373].

Côte d'Ivoire:

Glauconycteris poensis (Gray, 1842): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Neoromicia nana* (Peters, 1852): 1, [3].

Djibouti:

Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015: 1, [1].

Egypt:

Asellia Gray, 1838: 2, *Asellia tridens* (E. Geoffroy St.-Hilaire, 1813): 114, *Coleura afra* (Peters, 1852): 6, *Eptesicus bottae* (Peters, 1869): 2, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 23, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Otonycteris hemprichii* Peters, 1859: 2, *Pipistrellus kuhlii* (Kuhl, 1817): 22, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Pipistrellus rusticus* (Tomes, 1861): 2, *Plecotus christii* Gray, 1838: 9, *Rhinolophus clivosus* Cretzschmar, 1828: 12, *Rhinolophus euryale* Blasius, 1853: 6, *Rhinopoma cystops* Thomas, 1903: 24, *Rhinopoma microphyllum* (Brünnich, 1782): 31, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 13, *Stenonycteris lanosus* (Thomas, 1906): 2, *Tadarida*

aegyptiaca (E. Geoffroy St.-Hilaire, 1818): 6, *Tadarida teniotis* (Rafinesque, 1814): 17, *Taphozous nudiventris* Cretzschmar, 1830: 4, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 26, [330].

Equatorial Guinea:

Doryrhina cyclops (Temminck, 1853): 2, *Eidolon helvum* (Kerr, 1792): 17, *Epomops franqueti* (Tomes, 1860): 2, *Glauconycteris beatrix* Thomas, 1901: 1, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros ruber* (Noack, 1893): 9, *Hypsignathus monstrosus* H. Allen, 1862: 4, *Macronycteris gigas* (Wagner, 1845): 1, *Mimetillus moloneyi* (Thomas, 1891): 4, *Myonycteris angolensis* (Bocage, 1898): 2, *Neoromicia brunnea* (Thomas, 1880): 1, *Nycteris arge* Thomas, 1903: 2, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 4, *Nycteris nana* (K. Andersen, 1912): 1, *Rhinolophus landeri* Martin, 1838: 1, *Scotonycteris zenkeri* Matschie, 1894: 1, [54].

Eritrea:

Cardioderma cor (Peters, 1872): 4, *Chaerephon pumilus* (Cretzschmar, 1826): 1, [5].

Ethiopia:

Asellia patrizii de Beaux, 1931: 18, *Asellia tridens* (E. Geoffroy St.-Hilaire, 1813): 6, *Cardioderma cor* (Peters, 1872): 13, *Chaerephon ansorgei* (Thomas, 1913): 2, *Chaerephon nigeriae* Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 65, *Coleura afra* (Peters, 1852): 1, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 20, *Epomophorus labiatus* (Temminck, 1837): 19, *Epomophorus minimus* Claessen & De Vree, 1991: 5, *Epomophorus minor* Dobson, 1880: 29, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros megalotis* (Heuglin, 1861): 4, *Hipposideros ruber* (Noack, 1893): 10, *Hipposideros tephrus* (Cabrera, 1906): 14, *Laephotis wintoni* Thomas, 1901: 6, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 5, *Macronycteris vittatus* (Peters, 1852): 3, *Micropteropus pusillus* (Peters, 1868): 129, *Miniopterus* Bonaparte, 1837: 1, *Miniopterus africanus* Sanborn, 1936: 54, *Miniopterus natalensis* (A. Smith, 1833): 5, *MOLOSSIDAE* Gervais, 1856: 2, *Mops (Mops) condylurus* (A. Smith, 1833): 15, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 1, *Mormopterus acetabulosus* (Hermann, 1804): 1, *Myonycteris angolensis petraea* (Bergmans, 1997): 3, *Myotis morrisi* Hill, 1971: 1, *Myotis scotti* Thomas, 1927: 8, *Myotis tricolor* (Temminck, 1832): 2, *Neoromicia capensis* (A. Smith, 1829): 8, *Neoromicia guineensis* (Bocage, 1889): 15, *Neoromicia nana* (Peters, 1852): 17, *Neoromicia somalica* (Thomas, 1901): 26, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 3, *Nycteris hispida* (Schreber, 1774): 5, *Nycteris macrotis* Dobson, 1876: 3, *Nycteris parisii* (de Beaux, 1924): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 17, *Nycticeinops schlieffenii* (Peters, 1859): 3, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 10, *Pipistrellus hesperidus* (Temminck, 1840): 7, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 11, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829): 3, *Pipistrellus rusticus* (Tomes, 1861): 32, *Platymops setiger macmillani* Thomas, 1906: 2, *Rhinolophus blasii* Peters, 1867: 12, *Rhinolophus clivosus* Cretzschmar, 1828: 47, *Rhinolophus fumigatus* Rüppell, 1842: 24, *Rhinolophus hildebrandtii* Peters, 1878: 2, *Rhinolophus hipposideros* (Bechstein, 1800): 2, *Rhinolophus landeri* Martin, 1838: 22, *Rhinolophus simulator* K. Andersen, 1904: 13, *Rhinopoma cystops* Thomas, 1903: 8, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 24, *Scotoecus hindei* Thomas, 1901: 3, *Scotoecus hirundo* (de Winton, 1899): 29, *Scotophilus dinganii* (A. Smith, 1833): 28, *Scotophilus leucogaster* (Cretzschmar, 1826): 21, *Scotophilus viridis* (Peters, 1852): 2, *Stenonycteris lanosus* (Thomas, 1906): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 18, *Triaenops afer* Peters, 1877: 18, [886].

France:

Pipistrellus pipistrellus (Schreber, 1774): 1, [1].

Gabon:

Doryrhina cyclops (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Epomops franqueti* (Tomes, 1860): 5, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 7, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Micropteropus pusillus* (Peters, 1868): 2, *Neoromicia nana* (Peters, 1852): 2, *Nycteris grandis* Peters, 1865: 2, [24].

Ghana:

Casinycteris ophiodon (Pohle, 1943): 1, *Chaerephon major* (Trouessart, 1897): 7, *Chaerephon pumilus* (Cretzschmar, 1826): 4, *Coleura afra* (Peters, 1852): 7, *Doryrhina cyclops* (Temminck, 1853): 6, *Eidolon helvum* (Kerr, 1792): 9, *Epomophorus gambianus* (Ogilby, 1835): 6, *Epomops buettikoferi* (Matschie, 1899): 13, *Epomops franqueti* (Tomes, 1860): 3, *Glauconycteris poensis* (Gray, 1842): 3, *Glauconycteris superba* Hayman, 1939: 1, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros abae* J.A. Allen, 1917: 6, *Hipposideros beatus* (K. Andersen, 1906): 3, *Hipposideros caffer* (Sundevall, 1846): 6, *Hipposideros fuliginosus* (Temminck, 1853): 2, *Hipposideros jonesi* Hayman, 1947: 25, *Hipposideros ruber* (Noack, 1893): 22, *Hipposideros tephrus* (Cabrera, 1906): 2, *Hypsignathus monstrosus* H. Allen, 1862: 5, *Hypsugo musciculus* (Thomas, 1913): 1, *Kerivoula lanosa* (A. Smith, 1847): 3, *Kerivoula phalaena* Thomas, 1912: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Macronycteris gigas* (Wagner, 1845): 14, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 20, *Micropteropus pusillus* (Peters, 1868): 14, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Mops (Mops) trevori* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 6, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 3, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 2, *Myonycteris angolensis smithii* (Thomas, 1908): 13, *Myonycteris leptodon* K. Andersen, 1908: 37, *Myopterus whitleyi* (Scharff, 1900): 2, *Nanonycteris veldkampii* (Jentink, 1888): 34, *Neoromicia capensis* (A. Smith, 1829): 45, *Neoromicia nana* (Peters, 1852): 11, *Nycteris arge* Thomas, 1903: 6, *Nycteris gambiensis* (K. Andersen, 1912): 3, *Nycteris grandis* Peters, 1865: 5, *Nycteris hispida* (Schreber, 1774): 28, *Nycteris intermedia* Aellen, 1959: 3, *Nycteris macrotis* Dobson, 1876: 21, *Nycteris nana* (K. Andersen, 1912): 2, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus* Kaup, 1829: 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus alcyone* Temminck, 1853: 11, *Rhinolophus landeri* Martin, 1838: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 4, *Saccolaimus peli* (Temminck, 1853): 3, *Scotoecus hirundo* (de Winton, 1899): 3, *Scotonycteris occidentalis* Hayman, 1947: 3, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus nigrita* (Schreber, 1774): 1, *Scotophilus viridis* (Peters, 1852): 11, *Taphozous nudiventris* Cretzschmar, 1830: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [464].

Guinea-Bissau:

Scotophilus leucogaster (Cretzschmar, 1826): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [2].

Italy:

Hypsugo savii (Bonaparte, 1837): 1, [1].

Kenya:

Cardioderma cor (Peters, 1872): 32, *Chaerephon* Dobson, 1874: 2, *Chaerephon bemmeleni* (Jentink, 1879): 3, *Chaerephon bivittatus* (Heuglin, 1861): 42, *Chaerephon pumilus* (Cretzschmar, 1826): 92, *CHIROPTERA* Blumenbach, 1779: 1, *Cloeotis percivali* Thomas, 1901: 2, *Coleura afra* (Peters, 1852): 18, *Eidolon helvum* (Kerr, 1792): 5, *Epomophorus labiatus* (Temminck, 1837): 16, *Epomophorus minimus* Claessen & De Vree, 1991: 11, *Epomophorus minor* Dobson, 1880: 27, *Epomophorus wahlbergi* (Sundevall, 1846): 13, *Glauconycteris argentata* (Dobson, 1875): 13, *Hipposideros caffer* (Sundevall, 1846): 58,

Hipposideros megalotis (Heuglin, 1861): 2, *Hipposideros ruber* (Noack, 1893): 33, *Kerivoula lanosa* (A. Smith, 1847): 3, *Laephotis wintoni* Thomas, 1901: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 22, *Macronycteris vittatus* (Peters, 1852): 30, *Mimetillus moloneyi* (Thomas, 1891): 1, *Miniopterus* Bonaparte, 1837: 10, *Miniopterus africanus* Sanborn, 1936: 36, *Miniopterus inflatus* Thomas, 1903: 27, *Miniopterus natalensis* (A. Smith, 1833): 31, *Mops (Mops) condylurus* (A. Smith, 1833): 14, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 3, *Myonycteris angolensis* (Bocage, 1898): 3, *Myotis bocagii* (Peters, 1870): 1, *Myotis bocagii bocagii* (Peters, 1870): 1, *Myotis tricolor* (Temminck, 1832): 14, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia guineensis* (Bocage, 1889): 2, *Neoromicia helios* (Heller, 1912): 3, *Neoromicia nana* (Peters, 1852): 44, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 11, *Neoromicia tenuipinnis* (Peters, 1872): 11, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 5, *Nycteris arge* Thomas, 1903: 5, *Nycteris aurita* (K. Andersen, 1912): 6, *Nycteris hispida* (Schreber, 1774): 15, *Nycteris macrotis* Dobson, 1876: 19, *Nycteris nana* (K. Andersen, 1912): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 38, *Nycticeinops schlieffenii* (Peters, 1859): 27, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 60, *Pipistrellus* Kaup, 1829: 6, *Pipistrellus hesperidus* (Temminck, 1840): 8, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 5, *Pipistrellus nanulus* Thomas, 1904: 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *Platymops setiger* (Peters, 1878): 4, *Platymops setiger macmillani* Thomas, 1906: 1, *Platymops setiger setiger* (Peters, 1878): 1, *PTEROPODIDAE* Gray, 1821: 3, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 39, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus eloquens* K. Andersen, 1905: 25, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rhinolophus hildebrandtii* Peters, 1878: 6, *Rhinolophus lobatus* Peters, 1852: 25, *Rhinopoma cystops* Thomas, 1903: 8, *Rhinopoma macinnesi* Hayman, 1937: 19, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 27, *Scotoecus albigula* Thomas, 1909: 7, *Scotoecus hindei* Thomas, 1901: 9, *Scotoecus hirundo* (de Winton, 1899): 15, *Scotophilus dinganii* (A. Smith, 1833): 28, *Scotophilus leucogaster* (Cretzschmar, 1826): 3, *Stenonycteris lanosus* (Thomas, 1906): 12, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 8, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 5, *Tadarida lobata* (Thomas, 1891): 2, *Tadarida ventralis* (Heuglin, 1861): 1, *Taphozous hamiltoni* Thomas, 1920: 5, *Taphozous hildegardeae* Thomas, 1909: 19, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous nudiventris* Cretzschmar, 1830: 2, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops afer* Peters, 1877: 10, *VESPERTILIONIDAE* Gray, 1821: 1, [1137].

Lesotho:

Neoromicia capensis (A. Smith, 1829): 9, [9].

Liberia:

Casinycteris ophiodon (Pohle, 1943): 5, *Chaerephon major* (Trouessart, 1897): 1, *Doryrhina cyclops* (Temminck, 1853): 8, *Eidolon helvum* (Kerr, 1792): 3, *Epomops buettikoferi* (Matschie, 1899): 18, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros marisae* Aellen, 1954: 1, *Hipposideros ruber* (Noack, 1893): 44, *Hypsignathus monstrosus* H. Allen, 1862: 7, *Kerivoula lanosa* (A. Smith, 1847): 2, *Kerivoula phalaena* Thomas, 1912: 1, *Macronycteris gigas* (Wagner, 1845): 2, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 7, *Micropteropus pusillus* (Peters, 1868): 8, *Miniopterus inflatus* Thomas, 1903: 8, *Mormopterus acetabulosus* (Hermann, 1804): 5, *Myonycteris angolensis smithii* (Thomas, 1908): 7, *Myonycteris leptodon* K. Andersen, 1908: 32, *Neoromicia nana* (Peters, 1852): 8, *Nycteris arge* Thomas, 1903: 5, *Nycteris grandis* Peters, 1865: 3, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 1, *Pipistrellus hesperidus* (Temminck, 1840): 5, *Pipistrellus nanulus* Thomas, 1904: 1, *Rhinolophus hillorum* Koopman, 1989: 1, *Rhinolophus hipposideros* (Bechstein, 1800): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, *Scotonycteris occidentalis* Hayman, 1947: 10, *Scotophilus nux* Thomas, 1904: 3, [206].

Libya:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 12, *Pipistrellus kuhlii* (Kuhl, 1817): 1, [13].

Madagascar:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010: 2, *Eidolon dupreanum* (Schegel, 1867): 10, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 7, *Miniopterus* Bonaparte, 1837: 2, *Miniopterus inflatus* Thomas, 1903: 1, *Miniopterus inflatus inflatus* Thomas, 1903: 2, *Miniopterus majori* Thomas, 1906: 5, *Miniopterus manavi* Thomas, 1906: 11, *Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007: 14, *Mormopterus jugularis* (Peters, 1865): 1, *Myotis goudoti* (A. Smith, 1834): 5, *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878: 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia matroka* (Thomas and Schwann, 1905): 8, *Paratriaenops furculus* (Trouessart, 1907): 4, *Paremballonura atrata* (Peters, 1874): 1, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 15, *Tadarida fulminans* (Thomas, 1903): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops menamena* Goodman and Ranivo, 2009: 6, [98].

Madeira (Portugal):

Nyctalus leisleri (Kuhl, 1817): 1, *Pipistrellus maderensis* (Dobson, 1878): 2, [3].

Malawi:

Chaerephon pumilus (Cretzschmar, 1826): 4, *CHIROPTERA* Blumenbach, 1779: 3, *Eidolon helvum* (Kerr, 1792): 7, *Epomophorus crypturus* Peters, 1852: 4, *Epomophorus dobsonii* Bocage, 1889: 1, *Epomophorus labiatus* (Temminck, 1837): 3, *Epomophorus minor* Dobson, 1880: 2, *Epomophorus wahlbergi* (Sundevall, 1846): 8, *Eptesicus hottentotus* (A. Smith, 1833): 4, *Hipposideros caffer* (Sundevall, 1846): 13, *Hipposideros ruber* (Noack, 1893): 4, *Kerivoula lanosa* (A. Smith, 1847): 1, *Laephotis botswanae* Setzer, 1971: 1, *Macronycteris vittatus* (Peters, 1852): 9, *Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013: 3, *Mops (Mops) condylurus* (A. Smith, 1833): 51, *Mops (Mops) midas* (Sundevall, 1843): 4, *Myotis bocagii cupreolus* Thomas, 1904: 2, *Myotis tricolor* (Temminck, 1832): 2, *Myotis welwitschii* (Gray, 1866): 2, *Neoromicia capensis* (A. Smith, 1829): 9, *Neoromicia nana* (Peters, 1852): 29, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 2, *Neoromicia zuluensis* (Roberts, 1924): 4, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris macrotis* Dobson, 1876: 11, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 16, *Nycteris woodi* K. Andersen, 1914: 2, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 15, *Pipistrellus rueppellii* (Fischer, 1829): 5, *Pipistrellus rusticus* (Tomes, 1861): 6, *Rhinolophus blasii* Peters, 1867: 14, *Rhinolophus clivosus* Cretzschmar, 1828: 8, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus fumigatus* Rüppell, 1842: 7, *Rhinolophus lobatus* Peters, 1852: 6, *Rhinolophus rhodesiae* Roberts, 1946: 2, *Rhinolophus simulator* K. Andersen, 1904: 3, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 5, *Rousettus* Gray, 1821: 1, *Scotoecus albigula* Thomas, 1909: 2, *Scotoecus albofuscus* (Thomas, 1890): 8, *Scotoecus hindei* Thomas, 1901: 2, *Scotophilus dinganii* (A. Smith, 1833): 10, *Scotophilus leucogaster* (Cretzschmar, 1826): 5, *Scotophilus nigrita* (Schreber, 1774): 4, *Scotophilus viridis* (Peters, 1852): 4, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [315].

Mali:

Chaerephon major (Trouessart, 1897): 1, [1].

Malta:

Plecotus teneriffae Barrett-Hamilton, 1907: 1, [1].

Mauritius:

Mormopterus acetabulosus (Hermann, 1804): 3, *Pteropus niger* (Kerr, 1792): 6, *Pteropus rodricensis* Dobson, 1878: 13, *Pteropus subniger* (Kerr, 1792): 4, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [27].

Morocco:

Eptesicus isabellinus (Temminck, 1840): 3, *Hipposideros tephrus* (Cabrera, 1906): 3, *Hypsugo savii* (Bonaparte, 1837): 4, *Miniopterus schreibersii* (Kuhl, 1817): 1, *Myotis punicus* Felten, 1977: 5, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus kuhlii* (Kuhl, 1817): 2, *Plecotus teneriffae* Barrett-Hamilton, 1907: 1, *Rhinolophus euryale* Blasius, 1853: 2, *Rhinolophus ferrumequinum* (Schreber, 1774): 1, *Rhinolophus hipposideros* (Bechstein, 1800): 4, *Tadarida teniotis* (Rafinesque, 1814): 4, [31].

Mozambique:

Chaerephon pumilus (Cretzschmar, 1826): 2, *Coleura afra* (Peters, 1852): 2, *Epomophorus* Bennett, 1836: 2, *Epomophorus crypturus* Peters, 1852: 10, *Epomophorus wahlbergi* (Sundevall, 1846): 4, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Kerivoula argentata* Tomes, 1861: 3, *Neoromicia nana* (Peters, 1852): 8, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 11, *Rhinolophus lobatus* Peters, 1852: 4, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, *Scotophilus* Leach, 1821: 3, *Scotophilus dinganii* (A. Smith, 1833): 13, *Scotophilus leucogaster* (Cretzschmar, 1826): 4, *Scotophilus viridis* (Peters, 1852): 5, [75].

Namibia:

Chaerephon chapini J.A. Allen, 1917: 1, *Cistugo seabrae* Thomas, 1912: 2, *Epomophorus angolensis* Gray, 1870: 22, *Glauconycteris variegata* (Tomes, 1861): 2, *Kerivoula argentata* Tomes, 1861: 1, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus natalensis* (A. Smith, 1833): 11, *MOLOSSIDAE* Gervais, 1856: 1, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia nana* (Peters, 1852): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 73, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus rusticus* (Tomes, 1861): 3, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus damarensis* Roberts, 1946: 3, *Sauromys petrophilus* (Roberts, 1917): 1, *Sauromys petrophilus erongensis* (Roberts, 1946): 1, *Scotophilus* Leach, 1821: 2, *Scotophilus dinganii* (A. Smith, 1833): 9, *Scotophilus leucogaster* (Cretzschmar, 1826): 8, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [153].

Niger:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Otonycteris hemprichii* Peters, 1859: 1, *Rhinopoma cystops* Thomas, 1903: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [9].

Nigeria:

Chaerephon Dobson, 1874: 1, *Chaerephon leucogaster* (A. Grandidier, 1869): 9, *Chaerephon major* (Trouessart, 1897): 4, *Chaerephon nigeriae* Thomas, 1913: 21, *Chaerephon nigeriae nigeriae* Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 12, *Eidolon helvum* (Kerr, 1792): 12, *Eidolon helvum helvum* (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 11, *Epomops buettikoferi* (Matschie, 1899): 1, *Epomops franqueti* (Tomes, 1860): 14, *Eptesicus platyops* (Thomas, 1901): 1, *Glauconycteris poensis* (Gray, 1842): 1, *Hipposideros abae* J.A. Allen, 1917: 10, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros caffer* (Sundevall, 1846): 5, *Hipposideros ruber* (Noack, 1893): 8, *Hipposideros tephrus* (Cabrera, 1906): 1, *Hypsignathus monstrosus* H. Allen, 1862: 6, *Kerivoula lanosa* (A. Smith, 1847): 1, *Kerivoula smithii* Thomas, 1880: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 5, *Macronycteris gigas* (Wagner, 1845): 2, *Megaloglossus woermanni* Pagenstecher, 1885: 1, *Micropteropus pusillus* (Peters, 1868): 24, *Mimetillus moloneyi* (Thomas, 1891): 2, *Miniopterus inflatus* Thomas, 1903: 3, *Mops (Mops) condylurus* (A. Smith, 1833): 14, *Mops (Mops) midas* (Sundevall, 1843): 8, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 8, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 4, *Myonycteris angolensis* (Bocage, 1898): 1, *Myonycteris angolensis angolensis* (Bocage, 1898): 1, *Myonycteris angolensis smithii* (Thomas, 1908): 2, *Myonycteris torquata* (Dobson, 1878): 1, *Myopterus whitleyi* (Scharff, 1900): 3, *Myotis morrisi* Hill, 1971: 1, *Nanonycteris veldkampii* (Jentink, 1888): 3, *Neoromicia brunnea* (Thomas, 1880): 2, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia guineensis* (Bocage, 1889): 2, *Neoromicia nana* (Peters, 1852): 11, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 2, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris gambiensis* (K. Andersen, 1912): 2, *Nycteris grandis* Peters, 1865: 3, *Nycteris hispida* (Schreber, 1774): 23, *Nycteris macrotis* Dobson, 1876: 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus alcyone* Temminck, 1853: 1, *Rhinolophus darlingi* K. Andersen, 1905: 2, *Rhinolophus fumigatus* Rüppell, 1842: 6, *Rhinolophus guineensis* Eisentraut, 1960: 1, *Rhinolophus landeri* Martin, 1838: 2, *Rhinolophus simulator* K. Andersen, 1904: 3, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *Saccolaimus peli* (Temminck, 1853): 8, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotoecus hindei* Thomas, 1901: 4, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotonycteris zenkeri* Matschie, 1894: 1, *Scotophilus* Leach, 1821: 2, *Scotophilus dinganii* (A. Smith, 1833): 22, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus nigrita* (Schreber, 1774): 1, *Scotophilus viridis* (Peters, 1852): 7, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Taphozous nudiventris* Cretzschmar, 1830: 3, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 2, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [337].

Rwanda:

Hipposideros ruber (Noack, 1893): 1, *Miniopterus inflatus* Thomas, 1903: 7, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 4, *Nycteris macrotis* Dobson, 1876: 6, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Stenonycteris lanosus* (Thomas, 1906): 4, [24].

São Tomé and Principé:

Eidolon helvum (Kerr, 1792): 9, *Macronycteris gigas* (Wagner, 1845): 3, [12].

Senegal:

Eidolon helvum (Kerr, 1792): 2, *Epomophorus gambianus* (Ogilby, 1835): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) midas* (Sundevall, 1843): 1, *Nycteris gambiensis* (K. Andersen, 1912): 2, *Nycteris hispida* (Schreber, 1774): 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus fumigatus* Rüppell, 1842: 4, *Scotophilus viridis* (Peters, 1852): 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [20].

Seychelles:

Chaerephon pusillus (Miller, 1902): 9, *Coleura seychellensis* Peters, 1868: 32, *Paratriaenops pauliani* (Goodman and Ranivo, 2008): 3, *Pteropus aldabrensis* True, 1893: 1, *Pteropus seychellensis* A. Milne-Edwards, 1877: 18, [63].

Sierra Leone:

Chaerephon Dobson, 1874: 2, *Eidolon helvum* (Kerr, 1792): 11, *Epomophorus gambianus* (Ogilby, 1835): 8, *Epomops buettikoferi* (Matschie, 1899): 18, *Glauconycteris poensis* (Gray, 1842): 30, *Hipposideros abae* J.A. Allen, 1917: 4, *Hipposideros jonesi* Hayman, 1947: 9, *Hipposideros ruber* (Noack, 1893): 6, *Hypsugo musciculus* (Thomas, 1913): 1, *Micropteropus pusillus* (Peters, 1868): 12, *Mimetillus moloneyi* (Thomas, 1891): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 11, *Mops (Xiphonycteris)*

brachypterus (Peters, 1852): 65, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 12, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 9, *Myonycteris angolensis smithii* (Thomas, 1908): 3, *Myonycteris leptodon* K. Andersen, 1908: 1, *Nanonycteris veldkampii* (Jentink, 1888): 1, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris arge* Thomas, 1903: 2, *Nycteris hispida* (Schreber, 1774): 9, *Nycteris macrotis* Dobson, 1876: 15, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Pipistrellus nanulus* Thomas, 1904: 2, *Rhinolophus fumigatus* Rüppell, 1842: 4, *Rhinolophus landeri* Martin, 1838: 18, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotoecus hirundo* (de Winton, 1899): 2, *Scotophilus dinganii* (A. Smith, 1833): 3, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [279].

Somalia:

Cardioderma cor (Peters, 1872): 3, *Coleura afra* (Peters, 1852): 15, *Epomophorus minimus* Claessen & De Vree, 1991: 1, *Epomophorus minor* Dobson, 1880: 2, *Epomophorus wahlbergi* (Sundevall, 1846): 5, *Hipposideros caffer* (Sundevall, 1846): 3, *Hypsugo cf. eisentrauti* Hill, 1968: 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus africanus* Sanborn, 1936: 2, *Neoromicia* Roberts, 1926: 1, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris aurita* (K. Andersen, 1912): 1, *Nycteris macrotis* Dobson, 1876: 3, *Nycteris parisii* (de Beaux, 1924): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 12, *Nycticeinops schlieffenii* (Peters, 1859): 7, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Scotoecus albigula* Thomas, 1909: 1, *Scotophilus dinganii* (A. Smith, 1833): 2, *Taphozous nudiventris* Cretzschmar, 1830: 2, *Triaenops* Dobson, 1871: 1, *Triaenops afer* Peters, 1877: 1, [78].

South Africa:

Chaerephon pumilus (Cretzschmar, 1826): 10, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 6, *Eptesicus hottentotus* (A. Smith, 1833): 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 2, *Kerivoula lanosa* (A. Smith, 1847): 4, *Miniopterus* Bonaparte, 1837: 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 2, *Miniopterus natalensis* (A. Smith, 1833): 11, *Mops (Mops) condylurus* (A. Smith, 1833): 9, *Myotis tricolor* (Temminck, 1832): 1, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia* Roberts, 1926: 1, *Neoromicia capensis* (A. Smith, 1829): 38, *Neoromicia nana* (Peters, 1852): 19, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 24, *Otomops martiensseni* (Matschie, 1897): 1, *Pipistrellus hesperidus* (Temminck, 1840): 5, *Pipistrellus rusticus* (Tomes, 1861): 3, *Rhinolophus capensis* Lichtenstein, 1823: 8, *Rhinolophus clivosus* Cretzschmar, 1828: 8, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus denti* Thomas, 1904: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 22, *Scotophilus dinganii* (A. Smith, 1833): 8, *Tadarida* Rafinesque, 1814: 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 9, *Tadarida ventralis* (Heuglin, 1861): 1, *Vespertilioninae* Gray, 1821: 2, [203].

South Sudan:

Chaerephon bemmeleni (Jentink, 1879): 1, *Coleura afra* (Peters, 1852): 3, *Epomophorus labiatus* (Temminck, 1837): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Micropteropus pusillus* (Peters, 1868): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Mops (Mops) midas* (Sundevall, 1843): 1, *Mops (Mops) trevori* J.A. Allen, 1917: 70, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 10, *Neoromicia rendalli* (Thomas, 1889): 2, *Nycteris hispida* (Schreber, 1774): 15, *Platymops setiger macmillani* Thomas, 1906: 2, *Scotoecus hindei* Thomas, 1901: 12, *Scotoecus hirundo* (de Winton, 1899): 12, *Taphozous hamiltoni* Thomas, 1920: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 19, *Taphozous perforatus sudani* Thomas, 1915: 1, [158].

Spain:

Hypsugo savii (Bonaparte, 1837): 1, [1].

Sudan:

Asellia Gray, 1838: 6, *Asellia tridens* (E. Geoffroy St.-Hilaire, 1813): 3, *Chaerephon major* (Trouessart, 1897): 3, *Chaerephon pumilus* (Cretzschmar, 1826): 13, *Coleura afra* (Peters, 1852): 13, *Eidolon helvum* (Kerr, 1792): 7, *Eidolon helvum helvum* (Kerr, 1792): 1, *Epomophorus labiatus* (Temminck, 1837): 3, *Epomophorus minor* Dobson, 1880: 2, *Eptesicus floweri* (de Winton, 1901): 7, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros tephrus* (Cabrera, 1906): 11, *Hypsugo ariel* (Thomas, 1904): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 15, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Mops (Mops) demonstrator* (Thomas, 1903): 3, *Mops (Mops) midas* (Sundevall, 1843): 3, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia rendalli* (Thomas, 1889): 4, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 2, *Nycteris hispida* (Schreber, 1774): 5, *Nycteris macrotis* Dobson, 1876: 5, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 13, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus kuhlii* (Kuhl, 1817): 1, *Pipistrellus rueppellii* (Fischer, 1829): 6, *Pipistrellus rusticus* (Tomes, 1861): 2, *Plecotus christii* Gray, 1838: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus eloquens* K. Andersen, 1905: 1, *Rhinolophus hildebrandtii* Peters, 1878: 1, *Rhinolophus hipposideros* (Bechstein, 1800): 1, *Rhinolophus landeri* Martin, 1838: 13, *Rhinopoma cystops* Thomas, 1903: 13, *Rhinopoma microphyllum* (Brünnich, 1782): 6, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 6, *Taphozous* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous hamiltoni* Thomas, 1920: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous nudiventris* Cretzschmar, 1830: 13, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 12, [212].

Swaziland:

Chaerephon pumilus (Cretzschmar, 1826): 2, *Hipposideros caffer* (Sundevall, 1846): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Neoromicia capensis* (A. Smith, 1829): 3, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [18].

Tanzania:

Cardioderma cor (Peters, 1872): 8, *Chaerephon bemmeleni* (Jentink, 1879): 1, *Chaerephon major* (Trouessart, 1897): 9, *Chaerephon nigeriae* Thomas, 1913: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 96, *Coleura afra* (Peters, 1852): 4, *Eidolon helvum* (Kerr, 1792): 23, *Epomophorus* Bennett, 1836: 1, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus labiatus* (Temminck, 1837): 21, *Epomophorus minimus* Claessen & De Vree, 1991: 2, *Epomophorus minor* Dobson, 1880: 16, *Epomophorus wahlbergi* (Sundevall, 1846): 22, *Epomops franqueti* (Tomes, 1860): 1, *Glauconycteris argentata* (Dobson, 1875): 19, *Glauconycteris variegata* (Tomes, 1861): 10, *Hipposideros caffer* (Sundevall, 1846): 53, *Hipposideros ruber* (Noack, 1893): 52, *Kerivoula argentata* Tomes, 1861: 3, *Kerivoula lanosa* (A. Smith, 1847): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 12, *Macronycteris vittatus* (Peters, 1852): 9, *Mimetillus thomasi* Hinton, 1920: 3, *Miniopterus natalensis* (A. Smith, 1833): 9, *Mops (Mops) condylurus* (A. Smith, 1833): 20, *Neoromicia capensis* (A. Smith, 1829): 14, *Neoromicia nana* (Peters, 1852): 14, *Nycteris aurita* (K. Andersen, 1912): 2, *Nycteris grandis* Peters, 1865: 8, *Nycteris hispida* (Schreber, 1774): 7, *Nycteris intermedia* Aellen, 1959: 1, *Nycteris macrotis* Dobson, 1876: 45, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 78, *Nycteris woodi* K. Andersen, 1914: 1, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Pipistrellus rueppellii* (Fischer, 1829): 9, *Pipistrellus rueppellii pulcher* (Dobson, 1875): 1, *Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829): 1, *Pteropus seychellensis* A. Milne-Edwards, 1877: 6, *Pteropus voeltzkowi* Matschie, 1909: 22, *Rhinolophus clivosus* Cretzschmar, 1828:

11, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus deckenii* Peters, 1868: 1, *Rhinolophus eloquens* K. Andersen, 1905: 8, *Rhinolophus fumigatus* Rüppell, 1842: 6, *Rhinolophus hildebrandtii* Peters, 1878: 4, *Rhinolophus lobatus* Peters, 1852: 9, *Rhinolophus rhodesiae* Roberts, 1946: 1, *Rhinolophus simulator* K. Andersen, 1904: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 11, *Scotoecus hindei* Thomas, 1901: 2, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus* Leach, 1821: 1, *Scotophilus dinganii* (A. Smith, 1833): 5, *Scotophilus viridis* (Peters, 1852): 2, *Stenonycteris lanosus* (Thomas, 1906): 2, *Tadarida* Rafinesque, 1814: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 9, *Taphozous nudiventris* Cretzschmar, 1830: 4, *Triaenops afer* Peters, 1877: 3, *VESPERTILIONIDAE* Gray, 1821: 10, [706].

The Gambia:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 5, *Eidolon helvum* (Kerr, 1792): 3, *Epomophorus gambianus* (Ogilby, 1835): 10, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Hipposideros caffer* (Sundevall, 1846): 4, *Hipposideros ruber* (Noack, 1893): 6, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris gigas* (Wagner, 1845): 2, *Micropteropus pusillus* (Peters, 1868): 1, *Mops* Lesson, 1842: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 7, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia rendalli* (Thomas, 1889): 2, *Nycteris gambiensis* (K. Andersen, 1912): 5, *Nycteris macrotis* Dobson, 1876: 7, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinolophus landeri* Martin, 1838: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotoecus albofuscus* (Thomas, 1890): 2, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus viridis* (Peters, 1852): 4, *Tadarida* Rafinesque, 1814: 4, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous nudiventris* Cretzschmar, 1830: 1, [77].

Togo:

Myonycteris angolensis smithii (Thomas, 1908): 1, *Rhinolophus landeri* Martin, 1838: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [3].

Tunisia:

Miniopterus schreibersii (Kuhl, 1817): 7, *Pipistrellus kuhlii* (Kuhl, 1817): 2, *Plecotus teneriffae* Barrett-Hamilton, 1907: 5, *Rhinolophus ferrumequinum* (Schreber, 1774): 1, *Rhinolophus mehelyi* Matschie, 1901: 2, [17].

Uganda:

Cardioderma cor (Peters, 1872): 3, *Chaerephon* Dobson, 1874: 1, *Chaerephon aloysiisabaudiae* (Festa, 1907): 6, *Chaerephon ansorgei* (Thomas, 1913): 1, *Chaerephon major* (Trouessart, 1897): 3, *Chaerephon nigeriae* Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 100, *Doryrhina cyclops* (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 6, *Epomophorus* Bennett, 1836: 1, *Epomophorus labiatus* (Temminck, 1837): 38, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Epomops franqueti* (Tomes, 1860): 4, *Glauconycteris beatrix* Thomas, 1901: 1, *Glauconycteris humeralis* J.A. Allen, 1917: 3, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 53, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 9, *Micropteropus pusillus* (Peters, 1868): 11, *Miniopterus natalensis* (A. Smith, 1833): 45, *Mops (Mops) condylurus* (A. Smith, 1833): 16, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Mops (Mops) trevori* J.A. Allen, 1917: 12, *Myonycteris angolensis* (Bocage, 1898): 13, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 14, *Myopterus whitleyi* (Scharff, 1900): 1, *Myotis* Kaup, 1829: 5, *Myotis bocagii* (Peters, 1870): 1, *Myotis tricolor* (Temminck, 1832): 3, *Neoromicia capensis* (A. Smith, 1829): 8, *Neoromicia nana* (Peters, 1852): 10, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters, 1872): 6, *Nycteris hispida* (Schreber, 1774): 9, *Nycteris macrotis* Dobson, 1876: 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 13, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus* Kaup, 1829: 2, *Pipistrellus grandidieri* (Dobson, 1876): 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Pipistrellus nanulus* Thomas, 1904: 1, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Pipistrellus rueppellii fuscipes* Thomas, 1913: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 8, *Rhinolophus eloquens* K. Andersen, 1905: 15, *Rhinolophus fumigatus* Rüppell, 1842: 5, *Rhinolophus lobatus* Peters, 1852: 19, *Rhinolophus ruwenzorii* J. Eric Hill, 1942: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 22, *Saccolaimus peli* (Temminck, 1853): 1, *Scotoecus hindei* Thomas, 1901: 2, *Scotoecus hirundo* (de Winton, 1899): 10, *Scotophilus dinganii* (A. Smith, 1833): 5, *Scotophilus leucogaster* (Cretzschmar, 1826): 3, *Stenonycteris lanosus* (Thomas, 1906): 6, *Tadarida* Rafinesque, 1814: 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 9, *Taphozous nudiventris* Cretzschmar, 1830: 1, *Triaenops afer* Peters, 1877: 14, [543].

Zambia:

Chaerephon bivittatus (Heuglin, 1861): 1, *Chaerephon chapini* J.A. Allen, 1917: 2, *Chaerephon major* (Trouessart, 1897): 1, *Chaerephon nigeriae* Thomas, 1913: 1, *Chaerephon nigeriae spillmanni* (Monard, 1933): 4, *Chaerephon pumilus* (Cretzschmar, 1826): 121, *Cloeotis percivali* Thomas, 1901: 8, *Epomophorus crypturus* Peters, 1852: 37, *Epomophorus dobsonii* Bocage, 1889: 10, *Epomophorus labiatus* (Temminck, 1837): 5, *Epomophorus minor* Dobson, 1880: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Epomops franqueti* (Tomes, 1860): 1, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros caffer* (Sundevall, 1846): 39, *Hipposideros ruber* (Noack, 1893): 12, *Hypsugo anchietae* (Seabra, 1900): 7, *Kerivoula argentata* Tomes, 1861: 2, *Laephotis botswanae* Setzer, 1971: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris vittatus* (Peters, 1852): 16, *Micropteropus pusillus* (Peters, 1868): 3, *Mimetillus thomasi* Hinton, 1920: 1, *Miniopterus* Bonaparte, 1837: 1, *Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013: 4, *Miniopterus natalensis* (A. Smith, 1833): 50, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 3, *Myonycteris torquata* (Dobson, 1878): 4, *Neoromicia capensis* (A. Smith, 1829): 18, *Neoromicia nana* (Peters, 1852): 23, *Neoromicia rendalli* (Thomas, 1889): 3, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 2, *Nycteris grandis* Peters, 1865: 2, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 35, *Nycteris woodi* K. Andersen, 1914: 15, *Pipistrellus hesperidus* (Temminck, 1840): 3, *Pipistrellus rusticus* (Tomes, 1861): 12, *Plerotes anchietae* (Seabra, 1900): 1, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 6, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinolophus lobatus* Peters, 1852: 3, *Rhinolophus rhodesiae* Roberts, 1946: 2, *Rhinolophus simulator* K. Andersen, 1904: 8, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 4, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotoecus albigula* Thomas, 1909: 1, *Scotophilus dinganii* (A. Smith, 1833): 6, *Scotophilus leucogaster* (Cretzschmar, 1826): 7, *Scotophilus viridis* (Peters, 1852): 6, *Tadarida* Rafinesque, 1814: 2, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 13, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [521].

Zimbabwe:

Chaerephon chapini J.A. Allen, 1917: 2, *Chaerephon major* (Trouessart, 1897): 2, *Chaerephon nigeriae* Thomas, 1913: 18, *Chaerephon nigeriae spillmanni* (Monard, 1933): 2, *Epomophorus crypturus* Peters, 1852: 2, *Epomophorus dobsonii* Bocage, 1889: 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 3, *Kerivoula argentata* Tomes, 1861: 4, *Kerivoula lanosa* (A. Smith, 1847): 1, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus* Bonaparte, 1837: 1, *Miniopterus natalensis* (A. Smith, 1833): 14, *Mops* Lesson, 1842: 8, *Mops (Mops) midas* (Sundevall, 1843): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 26, *Neoromicia* Roberts, 1926: 1, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 2, *Neoromicia zuluensis* (Roberts, 1924): 3, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 16, *Nycteris woodi* K. Andersen,

1914: 1, *Nycticeinops schlieffenii* (Peters, 1859): 6, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus darlingi* K. Andersen, 1905: 9, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus lobatus* Peters, 1852: 5, *Rhinolophus rhodesiae* Roberts, 1946: 3, *Rhinolophus simulator* K. Andersen, 1904: 4, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 9, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Sauromys petrophilus* (Roberts, 1917): 1, *Scotophilus nigrita* (Schreber, 1774): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 14, *Tadarida fulminans* (Thomas, 1903): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, *Vespertilioninae* Gray, 1821: 1, [180].

Total Specimens for BMNH: 8276

BRTC: Biodiversity Research and Teaching Collections

Cameroon:
Epomops franqueti (Tomes, 1860): 2, *Hipposideros caffer* (Sundevall, 1846): 2, *Micropteropus pusillus* (Peters, 1868): 2, [6].

Ethiopia:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 3, *Epomophorus gambianus* (Ogilby, 1835): 8, *Hipposideros caffer* (Sundevall, 1846): 2, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Micropteropus pusillus* (Peters, 1868): 7, *Miniopterus inflatus* Thomas, 1903: 18, *Myonycteris angolensis* (Bocage, 1898): 14, *Myotis* Kaup, 1829: 1, *Myotis bocagii* (Peters, 1870): 4, *Myotis welwitschii* (Gray, 1866): 3, *Neoromicia capensis* (A. Smith, 1829): 31, *Neoromicia guineensis* (Bocage, 1889): 3, *Pipistrellus nanulus* Thomas, 1904: 3, *Rhinolophus clivosus* Cretzschmar, 1828: 8, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Scotophilus dinganii* (A. Smith, 1833): 6, *Scotophilus ejetai* Brooks and Bickham, 2014: 3, *Stenonycteris lanosus* (Thomas, 1906): 4, [122].

Kenya:
Chaerephon pumilus (Cretzschmar, 1826): 4, *Myotis bocagii* (Peters, 1870): 4, *Nycteris hispida* (Schreber, 1774): 1, *Pipistrellus nanulus* Thomas, 1904: 4, *Scotophilus nigrita* (Schreber, 1774): 1, [14].

Madagascar:
Mormopterus jugularis (Peters, 1865): 2, [2].

Malawi:
Scotophilus Leach, 1821: 1, [1].

Morocco:
Myotis punicus Felten, 1977: 2, [2].

Mozambique:
Hipposideros caffer (Sundevall, 1846): 1, [1].

Namibia:
Eptesicus hottentotus (A. Smith, 1833): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Sauromys petrophilus* (Roberts, 1917): 1, [3].

Niger:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Epomophorus gambianus* (Ogilby, 1835): 2, *Hipposideros caffer* (Sundevall, 1846): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Neoromicia rendalli* (Thomas, 1889): 1, *Nycteris macrotis* Dobson, 1876: 2, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 3, [13].

Sierra Leone:
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): 1, [1].

Somalia:
Cardioderma cor (Peters, 1872): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Coleura afra* (Peters, 1852): 1, *Epomophorus minor* Dobson, 1880: 1, *Macronycteris vittatus* (Peters, 1852): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Triaenops afer* Peters, 1877: 1, [10].

South Africa:
Cloeotis percivali Thomas, 1901: 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 1, *Miniopterus natalensis* (A. Smith, 1833): 4, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myotis tricolor* (Temminck, 1832): 3, *Neoromicia capensis* (A. Smith, 1829): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Rhinolophus clivosus* Cretzschmar, 1828: 3, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [19].

Tanzania:
Eidolon helvum (Kerr, 1792): 1, *Hipposideros ruber* (Noack, 1893): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [4].

Uganda:
Lavia frons (E. Geoffroy St.-Hilaire, 1810): 1, [1].

Zambia:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, [2].

Total Specimens for BRTC: 201

CAS: California Academy of Sciences

"Africa":
Chaerephon pumilus (Cretzschmar, 1826): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 4, [7].

Angola:
Neoromicia capensis (A. Smith, 1829): 1, [1].

Congo (Democratic Republic of the):
Hipposideros caffer (Sundevall, 1846): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Miniopterus inflatus inflatus* Thomas, 1903: 6, *Miniopterus natalensis* (A. Smith, 1833): 5, *Nycteris arge* Thomas, 1903: 2, *Nycteris hispida* (Schreber, 1774): 1, [20].

Egypt:
Otonycteris hemprichii Peters, 1859: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Plecotus christii* Gray, 1838: 2, *Rhinolophus darlingi* K. Andersen, 1905: 5, [9].

Ghana:
Epomophorus gambianus (Ogilby, 1835): 1, [1].
Kenya:
Cardioderma cor (Peters, 1872): 5, *Chaerephon pumilus* (Cretzschmar, 1826): 33, *Epomophorus minor* Dobson, 1880: 2, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Glauconycteris argentata* (Dobson, 1875): 1, *Hipposideros caffer* (Sundevall, 1846): 3, *Hipposideros megalotis* (Heuglin, 1861): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Miniopterus inflatus inflatus* Thomas, 1903: 4, *Miniopterus natalensis* (A. Smith, 1833): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 5, *Myotis tricolor* (Temminck, 1832): 4, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 6, *Rhinolophus deckenii* Peters, 1868: 1, *Rhinolophus eloquens* K. Andersen, 1905: 1, *Rhinolophus fumigatus* Rüppell, 1842: 12, *Rhinolophus lobatus* Peters, 1852: 9, *Scotophilus dinganii* (A. Smith, 1833): 13, *Tadarida* Rafinesque, 1814: 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [117].
Namibia:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 14, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, [16].
São Tomé and Principé:
Eidolon helvum (Kerr, 1792): 6, *Hipposideros ruber* (Noack, 1893): 54, *Miniopterus minor* Peters, 1867: 10, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, [72].
Saudi Arabia:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, [1].
Somalia:
Cardioderma cor (Peters, 1872): 8, *Tadarida* Rafinesque, 1814: 1, [9].
Tanzania:
Coleura afra (Peters, 1852): 2, *Hipposideros caffer* (Sundevall, 1846): 10, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Rhinolophus* Lacépède, 1799: 2, [18].
Uganda:
Chaerephon pumilus (Cretzschmar, 1826): 15, *Coleura afra* (Peters, 1852): 10, *Epomophorus wahlbergi* (Sundevall, 1846): 16, *Hipposideros* Gray, 1831: 15, *Hipposideros caffer* (Sundevall, 1846): 19, *Micropteropus pusillus* (Peters, 1868): 4, *Mops (Mops) condylurus* (A. Smith, 1833): 17, *Neoromicia* Roberts, 1926: 15, *Neoromicia nana* (Peters, 1852): 15, *Neoromicia rendalli* (Thomas, 1889): 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 2, *Nycteris hispida* (Schreber, 1774): 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 8, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus* Kaup, 1829: 2, *Rhinolophus* Lacépède, 1799: 4, *Rousettus* Gray, 1821: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus dinganii* (A. Smith, 1833): 17, *Tadarida* Rafinesque, 1814: 1, *Taphozous* E. Geoffroy St.-Hilaire, 1818: 10, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 11, [190].
Zambia:
Cloeotis percivali Thomas, 1901: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 2, *Macronycteris vittatus* (Peters, 1852): 2, *Mimetillus moloneyi* (Thomas, 1891): 2, *Miniopterus natalensis* (A. Smith, 1833): 8, *Neoromicia capensis* (A. Smith, 1829): 3, *Neoromicia nana* (Peters, 1852): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus simulator* K. Andersen, 1904: 8, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, [34].
Zimbabwe:
Mimetillus moloneyi (Thomas, 1891): 2, *Miniopterus natalensis* (A. Smith, 1833): 8, [10].

Total Specimens for CAS: 505

CAWM: College of African Wildlife Management, Mweka

Tanzania:
Eidolon helvum helvum (Kerr, 1792): 1, *Kerivoula* Gray, 1842: 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [4].

Total Specimens for CAWM: 4

CDC: Centers for Disease Control and Prevention

Kenya:
Cardioderma cor (Peters, 1872): 17, [17].

Total Specimens for CDC: 17

CM: Carnegie Museum

"Africa":
Chaerephon aloysiisabaudiae (Festa, 1907): 1, *Chaerephon bivittatus* (Heuglin, 1861): 1, *Mops (Mops) congicus* J.A. Allen, 1917: 1, *Mops (Mops) midas* (Sundevall, 1843): 1, *Otomops martiensseni* (Matschie, 1897): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Tadarida fulminans* (Thomas, 1903): 1, [7].
Algeria:
Hypsugo savii (Bonaparte, 1837): 5, *Pipistrellus kuhlii* (Kuhl, 1817): 30, [35].
Angola:
Epomophorus crypturus Peters, 1852: 3, *Hypsugo anchietae* (Seabra, 1900): 3, *Neoromicia capensis* (A. Smith, 1829): 2, *Pipistrellus grandidieri* (Dobson, 1876): 1, *Plerotes anchietae* (Seabra, 1900): 1, [10].
Cameroon:
Eidolon helvum (Kerr, 1792): 4, *Epomophorus gambianus* (Ogilby, 1835): 1, *Epomops franqueti* (Tomes, 1860): 19, *Glauconycteris beatrix* Thomas, 1901: 1, *Glauconycteris curryae* Eger and Schlitter, 2001: 1, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Hypsugo crassulus* (Thomas, 1904): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 13, *Myonycteris torquata* (Dobson, 1878): 9, *Neoromicia brunnea* (Thomas, 1880): 18, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana*

(Peters, 1852): 13, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters, 1872): 18, *Pipistrellus grandidieri* (Dobson, 1876): 1, *Pipistrellus nanulus* Thomas, 1904: 6, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotonycteris zenkeri* Matschie, 1894: 2, [112].

Central African Republic:
Epomophorus gambianus (Ogilby, 1835): 2, *Micropteropus pusillus* (Peters, 1868): 8, *Neoromicia guineensis* (Bocage, 1889): 3, *Neoromicia nana* (Peters, 1852): 3, *Neoromicia somalica* (Thomas, 1901): 18, *Neoromicia tenuipinnis* (Peters, 1872): 5, *Nycteris hispida* (Schreber, 1774): 2, *Pipistrellus rusticus* (Tomes, 1861): 6, [47].

Congo:
Neoromicia nana (Peters, 1852): 20, [20].

Congo (Democratic Republic of the):
Epomophorus crypturus Peters, 1852: 1, *Glauconycteris alboguttata* J.A. Allen, 1917: 1, *Glauconycteris curryae* Eger and Schlitter, 2001: 1, *Glauconycteris humeralis* J.A. Allen, 1917: 1, *Neoromicia nana* (Peters, 1852): 12, *Neoromicia rendalli* (Thomas, 1889): 11, *Neoromicia tenuipinnis* (Peters, 1872): 2, [29].

Côte d'Ivoire:
Epomophorus gambianus (Ogilby, 1835): 1, *Nycteris intermedia* Aellen, 1959: 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, [3].

Egypt:
Pipistrellus kuhlii (Kuhl, 1817): 15, *Rhinopoma cystops* Thomas, 1903: 29, *Taphozous nudiventris* Cretzschmar, 1830: 1, [45].

Ethiopia:
Epomophorus minimus Claessen & De Vree, 1991: 7, *Epomophorus minor* Dobson, 1880: 8, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia somalica* (Thomas, 1901): 2, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, [25].

Gabon:
Neoromicia brunnea (Thomas, 1880): 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, [2].

Ghana:
Epomophorus gambianus (Ogilby, 1835): 14, *Hipposideros caffer* (Sundevall, 1846): 7, *Micropteropus pusillus* (Peters, 1868): 1, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 3, *Neoromicia rendalli* (Thomas, 1889): 3, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Pipistrellus nanulus* Thomas, 1904: 5, *Scotophilus dinganii* (A. Smith, 1833): 3, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, [41].

Kenya:
Eidolon helvum (Kerr, 1792): 1, *Epomophorus minimus* Claessen & De Vree, 1991: 10, *Epomophorus minor* Dobson, 1880: 2, *Epomophorus wahlbergi* (Sundevall, 1846): 28, *Eptesicus hottentotus* (A. Smith, 1833): 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hypsugo crassulus* (Thomas, 1904): 1, *Hypsugo eisentrauti* (Hill, 1968): 8, *Miniopterus fraterculus* Thomas and Schwann, 1906: 1, *Miniopterus inflatus* Thomas, 1903: 1, *Myonycteris angolensis* (Bocage, 1898): 2, *Neoromicia helios* (Heller, 1912): 19, *Neoromicia nana* (Peters, 1852): 14, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 7, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus grandidieri* (Dobson, 1876): 1, *Pipistrellus hesperidus* (Temminck, 1840): 11, *Scotophilus andrewreborii* Brooks and Bickham, 2014: 14, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus livingstonii* Brooks and Bickham, 2014: 4, *Scotophilus nigrita* (Schreber, 1774): 1, *Scotophilus trujilloi* Brooks and Bickham, 2014: 5, *Scotophilus viridis* (Peters, 1852): 2, *Stenonycteris lanosus* (Thomas, 1906): 2, [148].

Libya:
Pipistrellus kuhlii (Kuhl, 1817): 3, *Pipistrellus pipistrellus* (Schreber, 1774): 14, [17].

Malawi:
Epomophorus labiatus (Temminck, 1837): 6, *Epomophorus minor* Dobson, 1880: 7, *Epomophorus wahlbergi* (Sundevall, 1846): 2, [15].

Namibia:
Eptesicus hottentotus (A. Smith, 1833): 11, *Laephotis namibensis* Setzer, 1971: 1, *Neoromicia capensis* (A. Smith, 1829): 4, *Neoromicia zuluensis* (Roberts, 1924): 3, [19].

Somalia:
Epomophorus minimus Claessen & De Vree, 1991: 93, *Epomophorus wahlbergi* (Sundevall, 1846): 55, *Neoromicia helios* (Heller, 1912): 9, *Neoromicia rendalli* (Thomas, 1889): 13, *Neoromicia somalica* (Thomas, 1901): 15, *Pipistrellus hesperidus* (Temminck, 1840): 1, [186].

South Africa:
Epomophorus crypturus Peters, 1852: 3, *Epomophorus wahlbergi* (Sundevall, 1846): 8, *Eptesicus hottentotus* (A. Smith, 1833): 4, *Neoromicia capensis* (A. Smith, 1829): 70, *Neoromicia nana* (Peters, 1852): 7, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 2, *Neoromicia zuluensis* (Roberts, 1924): 7, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus hesperidus* (Temminck, 1840): 6, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pipistrellus rusticus* (Tomes, 1861): 28, *Sauromys petrophilus* (Roberts, 1917): 1, *Scotophilus dinganii* (A. Smith, 1833): 3, [141].

Tanzania:
Epomophorus labiatus (Temminck, 1837): 1, [1].

Uganda:
Epomophorus labiatus (Temminck, 1837): 2, [2].

Zimbabwe:
Epomophorus crypturus Peters, 1852: 5, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 9, [15].

Total Specimens for CM: 920

CUMV: Cornell University Museum of Vertebrates

"Africa":
Megaloglossus woermanni Pagenstecher, 1885: 1, [1].

Gabon:

Epomops franqueti (Tomes, 1860): 12, *Hypsignathus monstrosus* H. Allen, 1862: 24, *Megaloglossus woermanni* Pagenstecher, 1885: 2, *Nycteris grandis* Peters, 1865: 2, *Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 1, [41].

Ghana:
Epomops Gray, 1866: 1, *PTEROPODIDAE* Gray, 1821: 1, [2].

Kenya:
Cardioderma cor (Peters, 1872): 37, *Chaerephon pumilus* (Cretzschmar, 1826): 53, *Coleura afra* (Peters, 1852): 2, *Epomophorus labiatus* (Temminck, 1837): 16, *Epomophorus wahlbergi* (Sundevall, 1846): 13, *Hipposideros caffer* (Sundevall, 1846): 2, *Macronycteris vittatus* (Peters, 1852): 1, *Mimetillus moloneyi* (Thomas, 1891): 1, *Miniopterus inflatus inflatus* Thomas, 1903: 2, *Myotis bocagii* (Peters, 1870): 4, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 25, *Neoromicia rendalli* (Thomas, 1889): 1, *Neoromicia tenuipinnis* (Peters, 1872): 5, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rhinolophus deckenii* Peters, 1868: 1, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rhinolophus lobatus* Peters, 1852: 1, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 22, *Scotophilus nigrita* (Schreber, 1774): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 51, *Triaenops afer* Peters, 1877: 5, [253].

South Africa:
Epomophorus wahlbergi (Sundevall, 1846): 1, [1].

Uganda:
Eidolon helvum (Kerr, 1792): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 4, *Tadarida* Rafinesque, 1814: 1, [6].

Total Specimens for CUMV: 304

CUMZ: Cambridge University Museum of Zoology

Seychelles:
Paratriaenops pauliani (Goodman and Ranivo, 2008): 2, [2].

Total Specimens for CUMZ: 2

CZL: Centro de Zoologia, Lisboa

Angola:
Eidolon helvum (Kerr, 1792): 1, *Micropteropus pusillus* (Peters, 1868): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Neoromicia zuluensis* (Roberts, 1924): 2, *Nycteris hispida* (Schreber, 1774): 1, *Plerotes anchietae* (Seabra, 1900): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, [8].

Guinea-Bissau:
Neoromicia nana (Peters, 1852): 3, *Neoromicia somalica* (Thomas, 1901): 2, [5].

Mozambique:
Chaerephon bivittatus (Heuglin, 1861): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 2, *Hipposideros caffer* (Sundevall, 1846): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Neoromicia nana* (Peters, 1852): 2, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, [11].

Total Specimens for CZL: 24

DCDH: David C.D. Happold Collection

Malawi:
Laephotis botswanae Setzer, 1971: 11, *Neoromicia capensis* (A. Smith, 1829): 14, *Neoromicia flavescens* (Seabra, 1900): 1, *Neoromicia nana* (Peters, 1852): 49, *Neoromicia rendalli* (Thomas, 1889): 3, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 1, *Neoromicia zuluensis* (Roberts, 1924): 7, *Pipistrellus hesperidus* (Temminck, 1840): 48, *Pipistrellus rueppellii* (Fischer, 1829): 15, [149].

Total Specimens for DCDH: 149

DNSM: Durban Natural Science Museum

"Africa":
CHIROPTERA Blumenbach, 1779: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [2].

Angola:
Hypsugo anchietae (Seabra, 1900): 1, [1].

Congo (Democratic Republic of the):
Mops (Xiphonycteris) thersites (Thomas, 1903): 1, *Nycteris nana* (K. Andersen, 1912): 2, [3].

Gabon:
Macronycteris gigas (Wagner, 1845): 1, [1].

Kenya:
Otomops martiensseni (Matschie, 1897): 1, [1].

Lesotho:
Cistugo lesueuri Roberts, 1919: 1, *Neoromicia capensis* (A. Smith, 1829): 1, [2].

Liberia:
Doryrhina cyclops (Temminck, 1853): 1, *Glauconycteris* Dobson, 1875: 1, *Glauconycteris poensis* (Gray, 1842): 3, *Hipposideros beatus* (K. Andersen, 1906): 4, *Hipposideros marisae* Aellen, 1954: 1, *Hipposideros ruber* (Noack, 1893): 9, *Hypsugo crassulus* (Thomas, 1904): 3, *Macronycteris gigas* (Wagner, 1845): 1, *Neoromicia* Roberts, 1926: 1, *Neoromicia brunnea* (Thomas, 1880): 7, *Neoromicia isabella* Decher, Hutterer and Monadjem, 2016: 1, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013: 2, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters,

1872): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 1, *Pipistrellus grandidieri* (Dobson, 1876): 1, *Pipistrellus nanulus* Thomas, 1904: 2, *Rhinolophus guineensis* Eisentraut, 1960: 2, *Rhinolophus landeri* Martin, 1838: 1, [45].

Malawi:

Pipistrellus rusticus (Tomes, 1861): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Triaenops afer* Peters, 1877: 1, [3].

Mali:

Hipposideros caffer (Sundevall, 1846): 1, *Micropteropus pusillus* (Peters, 1868): 1, *Neoromicia rendalli* (Thomas, 1889): 2, *Pipistrellus nanulus* Thomas, 1904: 2, *Rhinolophus landeri* Martin, 1838: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, [9].

Mozambique:

Chaerephon ansorgei (Thomas, 1913): 4, *Chaerephon pumilus* (Cretzschmar, 1826): 5, *Epomophorus crypturus* Peters, 1852: 6, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus minor* Dobson, 1880: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 14, *Eptesicus hottentotus* (A. Smith, 1833): 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 6, *Hipposideros ruber* (Noack, 1893): 5, *Kerivoula argentata* Tomes, 1861: 1, *Kerivoula lanosa* (A. Smith, 1847): 1, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus inflatus* Thomas, 1903: 4, *Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013: 4, *Mops (Mops) condylurus* (A. Smith, 1833): 10, *Myonycteris angolensis goliath* (Bergmans, 1997): 3, *Myonycteris relicta* Bergmans, 1980: 1, *Myotis bocagii* (Peters, 1870): 4, *Myotis tricolor* (Temminck, 1832): 11, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 23, *Neoromicia rendalli* (Thomas, 1889): 1, *Neoromicia zuluensis* (Roberts, 1924): 7, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Nycticeinops schlieffenii* (Peters, 1859): 9, *Pipistrellus hesperidus* (Temminck, 1840): 4, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus blasii* Peters, 1867: 7, *Rhinolophus clivosus* Cretzschmar, 1828: 8, *Rhinolophus deckenii* Peters, 1868: 1, *Rhinolophus fumigatus* Rüppell, 1842: 4, *Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018: 11, *Rhinolophus lobatus* Peters, 1852: 14, *Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 2, *Rhinolophus maendeleo* Kock, Csorba and Howell, 2000: 2, *Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 5, *Rhinolophus rhodesiae* Roberts, 1946: 7, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, *Sauromys petrophilus* (Roberts, 1917): 3, *Scotoecus hindei* Thomas, 1901: 4, *Scotophilus dinganii* (A. Smith, 1833): 6, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus viridis* (Peters, 1852): 15, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Tadarida fulminans* (Thomas, 1903): 2, *Triaenops afer* Peters, 1877: 10, [252].

Namibia:

Hipposideros caffer (Sundevall, 1846): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, [4].

Sierra Leone:

Neoromicia rendalli (Thomas, 1889): 1, [1].

South Africa:

Chaerephon nigeriae Thomas, 1913: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 323, *Cistugo lesueuri* Roberts, 1919: 2, *Cloeotis percivali* Thomas, 1901: 25, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus* Bennett, 1836: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 146, *Eptesicus hottentotus* (A. Smith, 1833): 8, *Glauconycteris variegata* (Tomes, 1861): 4, *Hipposideros caffer* (Sundevall, 1846): 108, *Hypsugo anchietae* (Seabra, 1900): 18, *Kerivoula argentata* Tomes, 1861: 2, *Kerivoula lanosa* (A. Smith, 1847): 2, *Laephotis botswanae* Setzer, 1971: 4, *Miniopterus fraterculus* Thomas and Schwann, 1906: 35, *Miniopterus inflatus* Thomas, 1903: 5, *Miniopterus natalensis* (A. Smith, 1833): 195, *Mops (Mops) condylurus* (A. Smith, 1833): 101, *Mops (Mops) midas* (Sundevall, 1843): 9, *Myotis bocagii* (Peters, 1870): 8, *Myotis tricolor* (Temminck, 1832): 28, *Myotis welwitschii* (Gray, 1866): 2, *Neoromicia* Roberts, 1926: 1, *Neoromicia capensis* (A. Smith, 1829): 149, *Neoromicia nana* (Peters, 1852): 108, *Neoromicia rendalli* (Thomas, 1889): 6, *Neoromicia zuluensis* (Roberts, 1924): 7, *Nycteris hispida* (Schreber, 1774): 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 86, *Nycticeinops schlieffenii* (Peters, 1859): 5, *Otomops martiensseni* (Matschie, 1897): 80, *Pipistrellus hesperidus* (Temminck, 1840): 108, *Pipistrellus rusticus* (Tomes, 1861): 17, *Rhinolophus* Lacépède, 1799: 3, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus capensis* Lichtenstein, 1823: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 70, *Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 12, *Rhinolophus damarensis* Roberts, 1946: 3, *Rhinolophus darlingi* K. Andersen, 1905: 13, *Rhinolophus denti* Thomas, 1904: 5, *Rhinolophus rhodesiae* Roberts, 1946: 3, *Rhinolophus simulator* K. Andersen, 1904: 33, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 4, *Rhinolophus swinnyi* Gough, 1908: 18, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 16, *Scotoecus albofuscus* (Thomas, 1890): 2, *Scotophilus dinganii* (A. Smith, 1833): 122, *Scotophilus nigrita* (Schreber, 1774): 1, *Scotophilus viridis* (Peters, 1852): 18, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 30, *Tadarida ventralis* (Heuglin, 1861): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 19, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 2, [1978].

Swaziland:

Chaerephon pumilus (Cretzschmar, 1826): 27, *Cloeotis percivali* Thomas, 1901: 3, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 5, *Hipposideros caffer* (Sundevall, 1846): 5, *Hypsugo anchietae* (Seabra, 1900): 5, *Kerivoula lanosa* (A. Smith, 1847): 3, *Miniopterus fraterculus* Thomas and Schwann, 1906: 4, *Miniopterus natalensis* (A. Smith, 1833): 13, *Mops (Mops) condylurus* (A. Smith, 1833): 4, *Myotis bocagii* (Peters, 1870): 2, *Myotis tricolor* (Temminck, 1832): 2, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia nana* (Peters, 1852): 9, *Neoromicia zuluensis* (Roberts, 1924): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 6, *Nycticeinops schlieffenii* (Peters, 1859): 4, *Pipistrellus hesperidus* (Temminck, 1840): 9, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus blasii* Peters, 1867: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 5, *Rhinolophus darlingi* K. Andersen, 1905: 4, *Rhinolophus simulator* K. Andersen, 1904: 6, *Scotophilus dinganii* (A. Smith, 1833): 4, *Scotophilus viridis* (Peters, 1852): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [133].

Zambia:

Eidolon helvum (Kerr, 1792): 2, [2].

Zimbabwe:

Cloeotis percivali Thomas, 1901: 2, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 27, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013: 1, *Neoromicia* Roberts, 1926: 1, *Neoromicia capensis* (A. Smith, 1829): 3, *Neoromicia nana* (Peters, 1852): 6, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 8, *Nycticeinops schlieffenii* (Peters, 1859): 3, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus simulator* K. Andersen, 1904: 4, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 4, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Sauromys petrophilus* (Roberts, 1917): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Tadarida fulminans* (Thomas, 1903): 2, [72].

Total Specimens for DNSM: 2509

EBD: Estacion Biologia la Doñana, Sevilla

Algeria:
Miniopterus schreibersii (Kuhl, 1817): 7, *Myotis punicus* Felten, 1977: 1, *Rhinolophus euryale* Blasius, 1853: 17, *Rhinolophus ferrumequinum* (Schreber, 1774): 1, *Rhinolophus hipposideros* (Bechstein, 1800): 1, [27].

Angola:
Eptesicus hottentotus (A. Smith, 1833): 4, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 7, [14].

Cameroon:
Doryrhina cyclops (Temminck, 1853): 3, *Hipposideros ruber* (Noack, 1893): 10, [13].

Canary Islands (Spain):
Pipistrellus maderensis (Dobson, 1878): 1, [1].

Comoros:
Miniopterus minor Peters, 1867: 2, [2].

Equatorial Guinea:
Hipposideros ruber (Noack, 1893): 3, *Myotis bocagii* (Peters, 1870): 6, [9].

Ethiopia:
Epomophorus minimus Claessen & De Vree, 1991: 1, *Laephotis wintoni* Thomas, 1901: 1, *Miniopterus inflatus* Thomas, 1903: 4, *Pipistrellus* Kaup, 1829: 7, *Plecotus balensis* Kruskop & Lavrenchenko, 2000: 5, *Rhinolophus* Lacépède, 1799: 5, *Scotophilus* Leach, 1821: 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, *Triaenops afer* Peters, 1877: 1, [28].

Gabon:
Eidolon helvum (Kerr, 1792): 1, *Epomophorus* Bennett, 1836: 4, *Epomops franqueti* (Tomes, 1860): 2, *Micropteropus pusillus* (Peters, 1868): 7, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotonycteris zenkeri* Matschie, 1894: 1, [16].

Guinea:
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): 2, *Scotonycteris occidentalis* Hayman, 1947: 1, [3].

Mauritania:
Eptesicus floweri (de Winton, 1901): 2, *Hipposideros caffer* (Sundevall, 1846): 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, [4].

Morocco:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 12, *Barbastella barbastellus* (Schreber, 1774): 2, *Eptesicus isabellinus* (Temminck, 1840): 5, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros tephrus* (Cabrera, 1906): 1, *Hypsugo savii* (Bonaparte, 1837): 5, *Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014: 1, *Miniopterus schreibersii* (Kuhl, 1817): 38, *Myotis* Kaup, 1829: 6, *Myotis capaccinii* (Bonaparte, 1837): 4, *Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806): 1, *Myotis mystacinus* (Kuhl, 1817): 10, *Myotis punicus* Felten, 1977: 125, *Nyctalus lasiopterus* (Schreber, 1780): 1, *Nyctalus leisleri* (Kuhl, 1817): 34, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus kuhlii* (Kuhl, 1817): 6, *Pipistrellus pipistrellus* (Schreber, 1774): 5, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Plecotus teneriffae* Barrett-Hamilton, 1907: 5, *Rhinolophus blasii* Peters, 1867: 13, *Rhinolophus euryale* Blasius, 1853: 2, *Rhinolophus ferrumequinum* (Schreber, 1774): 2, *Rhinolophus hipposideros* (Bechstein, 1800): 1, *Rhinolophus mehelyi* Matschie, 1901: 5, *Rhinopoma cystops* Thomas, 1903: 1, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *Tadarida teniotis* (Rafinesque, 1814): 2, [292].

São Tomé and Principé:
Chaerephon tomensis (Juste and Ibáñez, 1993): 3, *Eidolon helvum* (Kerr, 1792): 2, *Hipposideros ruber* (Noack, 1893): 2, *Miniopterus newtoni* Bocage, 1889: 1, [8].

Spain:
Barbastella barbastellus (Schreber, 1774): 2, [2].

Total Specimens for EBD: 419

FLMNH: Florida Museum of Natural History

Egypt:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus mehelyi* Matschie, 1901: 1, *Rhinopoma cystops* Thomas, 1903: 1, [4].

Total Specimens for FLMNH: 4

FMNH: Field Museum of Natural History

"Africa":
Eidolon helvum (Kerr, 1792): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus robustus* A. Milne-Edwards, 1881: 1, *Tadarida ventralis* (Heuglin, 1861): 1, [4].

Algeria:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 2, *Pipistrellus kuhlii* (Kuhl, 1817): 2, *Rhinolophus ferrumequinum* (Schreber, 1774): 2, [6].

Angola:
Chaerephon Dobson, 1874: 1, *Chaerephon chapini* J.A. Allen, 1917: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 38, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus angolensis* Gray, 1870: 15, *Epomophorus dobsonii* Bocage, 1889: 12, *Epomophorus grandis* (Sanborn, 1950): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 41, *Epomops franqueti* (Tomes, 1860): 17, *Glauconycteris argentata* (Dobson, 1875): 3, *Glauconycteris beatrix* Thomas, 1901: 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 34, *Hipposideros ruber* (Noack, 1893): 22, *Hypsignathus monstrosus* H. Allen, 1862: 4, *Hypsugo crassulus* (Thomas, 1904): 1, *Laephotis botswanae* Setzer, 1971: 2, *Megaloglossus woermanni* Pagenstecher, 1885: 7, *Micropteropus pusillus* (Peters, 1868): 3, *Miniopterus* Bonaparte, 1837: 20, *Miniopterus fraterculus* Thomas and Schwann, 1906: 4, *Miniopterus natalensis* (A. Smith, 1833): 1, *Myotis bocagii bocagii* (Peters, 1870): 5, *Neoromicia capensis* (A. Smith, 1829): 3, *Neoromicia nana* (Peters, 1852): 44, *Neoromicia somalica* (Thomas, 1901): 5, *Neoromicia tenuipinnis* (Peters, 1872): 5, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 2, *Nycteris arge* Thomas, 1903: 2, *Nycteris hispida* (Schreber, 1774): 6, *Nycteris macrotis* Dobson, 1876: 7, *Nycteris nana* (K. Andersen, 1912): 3, *Rhinolophus damarensis* Roberts, 1946: 1, *Rhinolophus*

fumigatus Rüppell, 1842: 29, *Rhinolophus lobatus* Peters, 1852: 15, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 4, *Scotophilus dinganii* (A. Smith, 1833): 5, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Tadarida* Rafinesque, 1814: 2, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 14, [385].

Botswana:

Chaerephon pumilus (Cretzschmar, 1826): 1, *Epomophorus crypturus* Peters, 1852: 4, *Mops (Mops) midas* (Sundevall, 1843): 2, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 1, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 6, *Nycticeinops schlieffenii* (Peters, 1859): 7, *Pipistrellus rueppellii* (Fischer, 1829): 7, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, [35].

Burundi:

Doryrhina cyclops (Temminck, 1853): 3, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Hipposideros ruber* (Noack, 1893): 3, *Miniopterus fraterculus* Thomas and Schwann, 1906: 7, *Myonycteris angolensis* (Bocage, 1898): 53, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 7, *Nycteris arge* Thomas, 1903: 1, *Nycteris nana* (K. Andersen, 1912): 1, *Otomops martiensseni* (Matschie, 1897): 1, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, *Stenonycteris lanosus* (Thomas, 1906): 7, [92].

Cameroon:

Doryrhina cyclops (Temminck, 1853): 2, *Eidolon helvum* (Kerr, 1792): 19, *Epomops franqueti* (Tomes, 1860): 5, *Hipposideros fuliginosus* (Temminck, 1853): 1, *Hipposideros ruber* (Noack, 1893): 14, *Kerivoula lanosa* (A. Smith, 1847): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 1, *Miniopterus natalensis* (A. Smith, 1833): 9, *Myonycteris angolensis angolensis* (Bocage, 1898): 4, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 2, *Myonycteris torquata torquata* (Dobson, 1878): 1, *Myotis bocagii cupreolus* Thomas, 1904: 4, *Neoromicia nana* (Peters, 1852): 7, *Nycteris arge* Thomas, 1903: 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris nana* (K. Andersen, 1912): 1, *Rhinolophus simulator* K. Andersen, 1904: 4, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 4, [82].

Chad:

Lavia frons (E. Geoffroy St.-Hilaire, 1810): 2, [2].

Comoros:

Chaerephon pumilus (Cretzschmar, 1826): 99, *Chaerephon pusillus* (Miller, 1902): 81, *Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009: 4, *Miniopterus griveaudi* Harrison, 1959: 113, *Miniopterus manavi* Thomas, 1906: 2, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 36, *Myotis anjouanensis* (Dorst, 1960): 1, *Rousettus obliviosus* Kock, 1978: 71, [407].

Congo:

Chaerephon pumilus (Cretzschmar, 1826): 7, *Hipposideros caffer* (Sundevall, 1846): 2, *Macronycteris gigas* (Wagner, 1845): 3, *Megaloglossus woermanni* Pagenstecher, 1885: 2, *Micropteropus pusillus* (Peters, 1868): 1, *Neoromicia* Roberts, 1926: 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Rhinolophus silvestris* Aellen, 1959: 1, [18].

Congo (Democratic Republic of the):

Chaerephon Dobson, 1874: 19, *Chaerephon ansorgei* (Thomas, 1913): 2, *Chaerephon leucogaster* (A. Grandidier, 1869): 12, *Chaerephon pumilus* (Cretzschmar, 1826): 3, *Chaerephon russatus* J.A. Allen, 1917: 1, *Doryrhina cyclops* (Temminck, 1853): 3, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus labiatus* (Temminck, 1837): 11, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Epomops franqueti* (Tomes, 1860): 9, *Glauconycteris humeralis* J.A. Allen, 1917: 3, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros caffer* (Sundevall, 1846): 18, *Hipposideros ruber* (Noack, 1893): 15, *Hypsignathus monstrosus* H. Allen, 1862: 4, *Hypsugo cf. eisentrauti* Hill, 1968: 1, *Kerivoula argentata* Tomes, 1861: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 7, *Macronycteris gigas* (Wagner, 1845): 2, *Macronycteris vittatus* (Peters, 1852): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 20, *Micropteropus pusillus* (Peters, 1868): 1, *Miniopterus inflatus rufus* Sanborn, 1936: 3, *Mops (Mops) congicus* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 2, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 1, *Myonycteris angolensis* (Bocage, 1898): 1, *Myonycteris torquata* (Dobson, 1878): 12, *Myotis bocagii bocagii* (Peters, 1870): 5, *Neoromicia nana* (Peters, 1852): 21, *Neoromicia rendalli* (Thomas, 1889): 3, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris arge* Thomas, 1903: 3, *Nycteris grandis* Peters, 1865: 3, *Nycteris hispida* (Schreber, 1774): 8, *Nycteris nana* (K. Andersen, 1912): 2, *Pipistrellus* Kaup, 1829: 50, *Rhinolophus eloquens* K. Andersen, 1905: 2, *Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013: 1, *Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013: 4, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Saccolaimus peli* (Temminck, 1853): 4, *Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 8, *Scotophilus dinganii* (A. Smith, 1833): 2, *Stenonycteris lanosus* (Thomas, 1906): 12, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 10, *Taphozous perforatus sudani* Thomas, 1915: 2, [301].

Côte d'Ivoire:

Doryrhina cyclops (Temminck, 1853): 3, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus gambianus gambianus* (Ogilby, 1835): 30, *Epomops buettikoferi* (Matschie, 1899): 4, *Epomops franqueti* (Tomes, 1860): 1, *Hipposideros jonesi* Hayman, 1947: 7, *Hipposideros ruber* (Noack, 1893): 3, *Hipposideros tephrus* (Cabrera, 1906): 3, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 1, *Micropteropus* Matschie, 1899: 11, *Micropteropus pusillus* (Peters, 1868): 65, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myonycteris angolensis smithii* (Thomas, 1908): 19, *Myonycteris leptodon* K. Andersen, 1908: 7, *Nanonycteris veldkampii* (Jentink, 1888): 5, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris arge* Thomas, 1903: 3, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Rhinolophus denti* Thomas, 1904: 1, *Rhinolophus fumigatus* Rüppell, 1842: 7, *Rhinolophus landeri* Martin, 1838: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 16, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus viridis* (Peters, 1852): 6, [199].

Djibouti:

Pipistrellus hesperidus (Temminck, 1840): 1, *Rhinopoma cystops* Thomas, 1903: 6, [7].

Egypt:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 247, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 243, *Otonycteris hemprichii* Peters, 1859: 100, *Pipistrellus* Kaup, 1829: 3, *Pipistrellus kuhlii* (Kuhl, 1817): 407, *Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829): 21, *Plecotus christii* Gray, 1838: 8, *Rhinolophus clivosus* Cretzschmar, 1828: 257, *Rhinolophus hipposideros* (Bechstein, 1800): 1, *Rhinolophus mehelyi* Matschie, 1901: 234, *Rhinopoma cystops* Thomas, 1903: 211, *Rhinopoma microphyllum* (Brünnich, 1782): 20, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 87, *Tadarida* Rafinesque, 1814: 1, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 23, *Tadarida teniotis* (Rafinesque, 1814): 56, *Taphozous nudiventris* Cretzschmar, 1830: 63, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 148, [2130].

Equatorial Guinea:

Doryrhina cyclops (Temminck, 1853): 1, [1].

Eritrea:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 8, *Rhinolophus clivosus* Cretzschmar, 1828: 1, [9].

Ethiopia:

Chaerephon pumilus (Cretzschmar, 1826): 6, *Hipposideros ruber* (Noack, 1893): 1, *Miniopterus africanus* Sanborn, 1936: 6, *Miniopterus natalensis* (A. Smith, 1833): 1, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 2, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 11, *Rhinolophus landeri* Martin, 1838: 24, *Scotophilus leucogaster* (Cretzschmar, 1826): 3, *Stenonycteris lanosus* (Thomas, 1906): 1, *Triaenops afer* Peters, 1877: 7, [68].

Gabon:

Chaerephon pusillus (Miller, 1902): 2, *Doryrhina cyclops* (Temminck, 1853): 3, *Epomophorus wahlbergi* (Sundevall, 1846): 6, *Epomops franqueti* (Tomes, 1860): 2, *Glauconycteris* Dobson, 1875: 1, *Glauconycteris beatrix* Thomas, 1901: 1, *Hypsugo crassulus* (Thomas, 1904): 2, *Megaloglossus woermanni* Pagenstecher, 1885: 3, *Myonycteris torquata* (Dobson, 1878): 1, *Neoromicia* Roberts, 1926: 1, *Neoromicia tenuipinnis* (Peters, 1872): 4, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris nana* (K. Andersen, 1912): 1, *Pipistrellus* Kaup, 1829: 2, *Rhinolophus alcyone* Temminck, 1853: 2, *Rhinolophus landeri* Martin, 1838: 6, *Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 6, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, [48].

Ghana:

Chaerephon pumilus (Cretzschmar, 1826): 1, *Doryrhina cyclops* (Temminck, 1853): 6, *Eidolon helvum* (Kerr, 1792): 4, *Epomophorus gambianus* (Ogilby, 1835): 3, *Epomophorus labiatus* (Temminck, 1837): 2, *Epomops buettikoferi* (Matschie, 1899): 1, *Glauconycteris poensis* (Gray, 1842): 1, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros fuliginosus* (Temminck, 1853): 12, *Hipposideros ruber* (Noack, 1893): 3, *Hypsignathus monstrosus* H. Allen, 1862: 3, *Kerivoula lanosa* (A. Smith, 1847): 1, *Macronycteris gigas* (Wagner, 1845): 1, *Neoromicia nana* (Peters, 1852): 4, *Neoromicia tenuipinnis* (Peters, 1872): 4, *Nycteris arge* Thomas, 1903: 2, *Nycteris grandis* Peters, 1865: 6, *Nycteris macrotis* Dobson, 1876: 2, *Scotophilus nigrita* (Schreber, 1774): 2, [61].

Guinea:

Micropteropus pusillus (Peters, 1868): 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, [2].

Kenya:

Cardioderma cor (Peters, 1872): 26, *Chaerephon bivittatus* (Heuglin, 1861): 19, *Chaerephon pumilus* (Cretzschmar, 1826): 81, *Coleura afra* (Peters, 1852): 33, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus labiatus* (Temminck, 1837): 20, *Epomophorus minimus* Claessen & De Vree, 1991: 6, *Epomophorus wahlbergi* (Sundevall, 1846): 28, *Glauconycteris argentata* (Dobson, 1875): 7, *Hipposideros caffer* (Sundevall, 1846): 39, *Hipposideros megalotis* (Heuglin, 1861): 2, *Hipposideros ruber* (Noack, 1893): 44, *Hypsugo ariel* (Thomas, 1904): 2, *Hypsugo crassulus* (Thomas, 1904): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 6, *Macronycteris vittatus* (Peters, 1852): 12, *Micropteropus pusillus* (Peters, 1868): 3, *Mimetillus moloneyi* (Thomas, 1891): 2, *Miniopterus africanus* Sanborn, 1936: 12, *Miniopterus inflatus* Thomas, 1903: 2, *Miniopterus inflatus rufus* Sanborn, 1936: 37, *Miniopterus minor* Peters, 1867: 1, *Miniopterus natalensis* (A. Smith, 1833): 56, *Mops (Mops) condylurus* (A. Smith, 1833): 22, *Mops (Mops) midas* (Sundevall, 1843): 2, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 2, *Myonycteris angolensis* (Bocage, 1898): 12, *Myotis tricolor* (Temminck, 1832): 62, *Neoromicia capensis* (A. Smith, 1829): 3, *Neoromicia somalica* (Thomas, 1901): 11, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris aurita* (K. Andersen, 1912): 1, *Nycteris hispida* (Schreber, 1774): 11, *Nycteris macrotis* Dobson, 1876: 14, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 58, *Nycticeinops schlieffenii* (Peters, 1859): 5, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 10, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 22, *Platymops setiger setiger* (Peters, 1878): 8, *Rhinolophus clivosus* Cretzschmar, 1828: 28, *Rhinolophus deckenii* Peters, 1868: 2, *Rhinolophus eloquens* K. Andersen, 1905: 22, *Rhinolophus fumigatus* Rüppell, 1842: 8, *Rhinolophus hildebrandtii* Peters, 1878: 1, *Rhinolophus lobatus* Peters, 1852: 17, *Rhinolophus simulator* K. Andersen, 1904: 12, *Rhinopoma macinnesi* Hayman, 1937: 11, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 22, *Scotoecus albigula* Thomas, 1909: 4, *Scotoecus hirundo* (de Winton, 1899): 17, *Scotophilus dinganii* (A. Smith, 1833): 21, *Scotophilus nigrita* (Schreber, 1774): 1, *Scotophilus nux* Thomas, 1904: 1, *Stenonycteris lanosus* (Thomas, 1906): 10, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 15, *Tadarida ventralis* (Heuglin, 1861): 4, *Taphozous hamiltoni* Thomas, 1920: 6, *Taphozous hildegardeae* Thomas, 1909: 30, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 10, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 8, *Triaenops afer* Peters, 1877: 21, [956].

Liberia:

Myotis bocagii cupreolus Thomas, 1904: 2, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia tenuipinnis* (Peters, 1872): 2, [6].

Madagascar:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010: 264, *Chaerephon jobimena* Goodman and Cardiff, 2004: 2, *Chaerephon leucogaster* (A. Grandidier, 1869): 90, *Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012: 20, *Eidolon dupreanum* (Schegel, 1867): 10, *Hypsugo bemainty* Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015: 3, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 126, *Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016): 2, *Miniopterus* Bonaparte, 1837: 19, *Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009: 93, *Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015: 11, *Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009: 30, *Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011: 11, *Miniopterus gleni* Peterson, Eger and Mitchell, 1995: 36, *Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009: 9, *Miniopterus griveaudi* Harrison, 1959: 173, *Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009: 110, *Miniopterus majori* Thomas, 1906: 55, *Miniopterus manavi* Thomas, 1906: 16, *Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008: 5, *Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007: 36, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 14, *Mops (Mops) midas* (Sundevall, 1843): 8, *Mormopterus jugularis* (Peters, 1865): 29, *Myotis goudoti* (A. Smith, 1834): 199, *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878: 3, *Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007: 3, *Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995): 4, *Neoromicia matroka* (Thomas and Schwann, 1905): 14, *Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012: 2, *Neoromicia somalica* (Thomas, 1901): 1, *Otomops madagascariensis* Dorst, 1953: 54, *Paratriaenops furculus* (Trouessart, 1907): 5, *Paremballonura atrata* (Peters, 1874): 13, *Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006): 39, *Pipistrellus hesperidus* (Temminck, 1840): 5, *Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006: 1, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 18, *Rousettus madagascariensis* G. Grandidier, 1929: 143, *Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006: 8, *Scotophilus robustus* A. Milne-Edwards, 1881: 3, *Tadarida fulminans* (Thomas, 1903): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, *Triaenops menamena* Goodman and Ranivo, 2009: 23, [1714].

Malawi:
Chaerephon pumilus (Cretzschmar, 1826): 19, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus labiatus* (Temminck, 1837): 5, *Epomophorus minor* Dobson, 1880: 5, *Epomophorus wahlbergi* (Sundevall, 1846): 19, *Hipposideros caffer* (Sundevall, 1846): 2, *Miniopterus natalensis* (A. Smith, 1833): 1, *Myonycteris angolensis* (Bocage, 1898): 2, *Myotis welwitschii* (Gray, 1866): 3, *Neoromicia nana* (Peters, 1852): 18, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Pipistrellus* Kaup, 1829: 1, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 2, *Rhinolophus blasii* Peters, 1867: 24, *Rhinolophus clivosus* Cretzschmar, 1828: 6, *Rhinolophus fumigatus* Rüppell, 1842: 18, *Rhinolophus rhodesiae* Roberts, 1946: 14, *Rhinolophus simulator* K. Andersen, 1904: 3, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 7, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, [156].

Mali:
Chaerephon major (Trouessart, 1897): 5, *Chaerephon pumilus* (Cretzschmar, 1826): 23, *Epomophorus gambianus* (Ogilby, 1835): 19, *Epomophorus gambianus gambianus* (Ogilby, 1835): 42, *Hipposideros tephrus* (Cabrera, 1906): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 9, *Neoromicia nana* (Peters, 1852): 2, *Scotophilus viridis* (Peters, 1852): 3, [104].

Mauritius:
Mormopterus acetabulosus (Hermann, 1804): 151, *Pteropus niger* (Kerr, 1792): 47, *Pteropus subniger* (Kerr, 1792): 1, [199].

Mayotte:
Chaerephon leucogaster (A. Grandidier, 1869): 3, *Chaerephon pusillus* (Miller, 1902): 19, [22].

Morocco:
Rhinolophus mehelyi Matschie, 1901: 2, [2].

Mozambique:
Chaerephon pumilus (Cretzschmar, 1826): 20, *Epomophorus wahlbergi* (Sundevall, 1846): 5, *Hipposideros caffer* (Sundevall, 1846): 17, *Hipposideros ruber* (Noack, 1893): 9, *Miniopterus* Bonaparte, 1837: 1, *Miniopterus africanus* Sanborn, 1936: 24, *Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013: 2, *Mops (Mops) condylurus* (A. Smith, 1833): 17, *Myonycteris angolensis* (Bocage, 1898): 8, *Neoromicia nana* (Peters, 1852): 18, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 7, *Rhinolophus* Lacépède, 1799: 3, *Rhinolophus clivosus* Cretzschmar, 1828: 4, *Rhinolophus lobatus* Peters, 1852: 9, *Rhinolophus rhodesiae* Roberts, 1946: 20, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 19, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 10, [193].

Namibia:
Hipposideros caffer (Sundevall, 1846): 25, *Macronycteris vittatus* (Peters, 1852): 3, *Neoromicia capensis* (A. Smith, 1829): 15, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 33, *Nycticeinops schlieffenii* (Peters, 1859): 7, *Pipistrellus* Kaup, 1829: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus fumigatus* Rüppell, 1842: 5, *Sauromys petrophilus erongensis* (Roberts, 1946): 1, *Scotophilus dinganii* (A. Smith, 1833): 6, *Scotophilus leucogaster* (Cretzschmar, 1826): 5, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 1, [104].

Niger:
Chaerephon major (Trouessart, 1897): 1, *Rhinopoma cystops* Thomas, 1903: 3, [4].

Nigeria:
Epomophorus gambianus gambianus (Ogilby, 1835): 5, *Epomops franqueti* (Tomes, 1860): 12, *Glauconycteris poensis* (Gray, 1842): 5, *Hipposideros ruber* (Noack, 1893): 12, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Micropteropus pusillus* (Peters, 1868): 12, *Neoromicia nana* (Peters, 1852): 9, [57].

Réunion:
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008: 65, [65].

Senegal:
Chaerephon pumilus (Cretzschmar, 1826): 6, *Eidolon helvum* (Kerr, 1792): 29, *Epomophorus gambianus* (Ogilby, 1835): 10, *Epomophorus gambianus gambianus* (Ogilby, 1835): 4, *Eptesicus* Rafinesque, 1820: 4, *Macronycteris gigas* (Wagner, 1845): 4, *Micropteropus pusillus* (Peters, 1868): 44, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 3, *Nycteris gambiensis* (K. Andersen, 1912): 38, *Nycteris hispida* (Schreber, 1774): 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus nigrita* (Schreber, 1774): 8, *Scotophilus viridis* (Peters, 1852): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [162].

Seychelles:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Paratriaenops pauliani* (Goodman and Ranivo, 2008): 1, [3].

South Africa:
Chaerephon pumilus (Cretzschmar, 1826): 17, *Cloeotis percivali* Thomas, 1901: 1, *Epomophorus* Bennett, 1836: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 36, *Kerivoula argentata* Tomes, 1861: 1, *Miniopterus natalensis* (A. Smith, 1833): 22, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myotis tricolor* (Temminck, 1832): 4, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia zuluensis* (Roberts, 1924): 5, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Nycticeinops schlieffenii* (Peters, 1859): 7, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 21, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinolophus simulator* K. Andersen, 1904: 3, *Scotophilus dinganii* (A. Smith, 1833): 7, *Scotophilus viridis* (Peters, 1852): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 4, [141].

South Sudan:
Cardioderma cor (Peters, 1872): 20, *Chaerephon ansorgei* (Thomas, 1913): 3, *Chaerephon bivittatus* (Heuglin, 1861): 8, *Chaerephon major* (Trouessart, 1897): 10, *Chaerephon pumilus* (Cretzschmar, 1826): 72, *Coleura afra* (Peters, 1852): 30, *Doryrhina cyclops* (Temminck, 1853): 3, *Eidolon helvum* (Kerr, 1792): 20, *Epomophorus labiatus* (Temminck, 1837): 53, *Epomops franqueti* (Tomes, 1860): 1, *Hipposideros abae* J.A. Allen, 1917: 6, *Hipposideros ruber* (Noack, 1893): 36, *Hipposideros tephrus* (Cabrera, 1906): 17, *Hypsignathus monstrosus* H. Allen, 1862: 3, *Hypsugo crassulus* (Thomas, 1904): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 48, *Micropteropus pusillus* (Peters, 1868): 42, *Mimetillus moloneyi* (Thomas, 1891): 3, *Miniopterus natalensis* (A. Smith, 1833): 12, *Mops (Mops) demonstrator* (Thomas, 1903): 30, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 28, *Neoromicia capensis* (A. Smith, 1829): 4, *Neoromicia guineensis* (Bocage, 1889): 8, *Neoromicia helios* (Heller, 1912): 60, *Neoromicia nana* (Peters, 1852): 30, *Neoromicia somalica* (Thomas, 1901): 14, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris hispida* (Schreber, 1774): 40, *Nycteris macrotis* Dobson, 1876: 9, *Nycteris nana* (K. Andersen, 1912): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 44, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 9, *Pipistrellus rueppellii fuscipes* Thomas, 1913: 6, *Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829): 1, *Pipistrellus rusticus* (Tomes, 1861): 6, *Platymops setiger setiger* (Peters, 1878): 6, *Rhinolophus clivosus* Cretzschmar, 1828: 17, *Rhinolophus eloquens* K. Andersen, 1905: 39, *Rhinolophus fumigatus* Rüppell, 1842: 7, *Rhinolophus hildebrandtii* Peters, 1878: 7, *Rhinolophus landeri* Martin, 1838: 33, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 28, *Scotoecus hindei* Thomas, 1901: 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 11, *Tadarida*

aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818): 18, *Tadarida ventralis* (Heuglin, 1861): 5, *Taphozous hamiltoni* Thomas, 1920: 24, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 11, *Taphozous nudiventris* Cretzschmar, 1830: 5, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 77, [971].

Sudan:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Cardioderma cor* (Peters, 1872): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 9, *Eidolon helvum* (Kerr, 1792): 6, *Epomophorus labiatus* (Temminck, 1837): 4, *Hipposideros tephrus* (Cabrera, 1906): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 7, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Mops (Mops) midas* (Sundevall, 1843): 6, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 5, *Neoromicia rendalli* (Thomas, 1889): 1, *Nycteris macrotis* Dobson, 1876: 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829): 6, *Rhinolophus landeri* Martin, 1838: 3, *Rhinopoma cystops* Thomas, 1903: 6, *Scotophilus leucogaster* (Cretzschmar, 1826): 5, *Scotophilus viridis* (Peters, 1852): 1, *Taphozous nudiventris* Cretzschmar, 1830: 3, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [71].

Swaziland:

Chaerephon pumilus (Cretzschmar, 1826): 1, [1].

Tanzania:

Cardioderma cor (Peters, 1872): 6, *Chaerephon leucogaster* (A. Grandidier, 1869): 31, *Chaerephon pumilus* (Cretzschmar, 1826): 41, *Chaerephon pusillus* (Miller, 1902): 1, *Coleura afra* (Peters, 1852): 80, *Doryrhina cyclops* (Temminck, 1853): 3, *Eidolon helvum* (Kerr, 1792): 7, *Epomophorus* Bennett, 1836: 22, *Epomophorus labiatus* (Temminck, 1837): 7, *Epomophorus minor* Dobson, 1880: 5, *Epomophorus wahlbergi* (Sundevall, 1846): 68, *Epomops franqueti* (Tomes, 1860): 10, *Glauconycteris argentata* (Dobson, 1875): 17, *Glauconycteris gleni* Peterson and Smith, 1973: 6, *Glauconycteris humeralis* J.A. Allen, 1917: 11, *Glauconycteris poensis* (Gray, 1842): 9, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros* Gray, 1831: 5, *Hipposideros caffer* (Sundevall, 1846): 124, *Hipposideros ruber* (Noack, 1893): 13, *Laephotis wintoni* Thomas, 1901: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 9, *Macronycteris vittatus* (Peters, 1852): 24, *Mimetillus moloneyi* (Thomas, 1891): 2, *Miniopterus* Bonaparte, 1837: 15, *Miniopterus minor* Peters, 1867: 44, *Miniopterus natalensis* (A. Smith, 1833): 13, *Mops* Lesson, 1842: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 26, *Mops (Xiphonycteris) bakarii* Stanley, 2009: 21, *Myonycteris angolensis* (Bocage, 1898): 68, *Myonycteris relicta* Bergmans, 1980: 6, *Myotis bocagii* (Peters, 1870): 2, *Myotis welwitschii* (Gray, 1866): 2, *Neoromicia* Roberts, 1926: 9, *Neoromicia capensis* (A. Smith, 1829): 6, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 43, *Neoromicia somalica* (Thomas, 1901): 5, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 14, *Nycteris grandis* Peters, 1865: 22, *Nycteris hispida* (Schreber, 1774): 5, *Nycteris macrotis* Dobson, 1876: 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 26, *Otomops martiensseni* (Matschie, 1897): 2, *Pipistrellus* Kaup, 1829: 9, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 35, *Pteropus seychellensis* A. Milne-Edwards, 1877: 3, *Pteropus voeltzkowi* Matschie, 1909: 3, *Rhinolophus* Lacépède, 1799: 37, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 36, *Rhinolophus deckenii* Peters, 1868: 45, *Rhinolophus fumigatus* Rüppell, 1842: 7, *Rhinolophus hildebrandtii* Peters, 1878: 19, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinolophus maendeleo* Kock, Csorba and Howell, 2000: 4, *Rhinolophus rhodesiae* Roberts, 1946: 8, *Rhinolophus simulator* K. Andersen, 1904: 6, *Rousettus* Gray, 1821: 16, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 38, *Scotoecus* Thomas, 1901: 1, *Scotoecus hindei* Thomas, 1901: 16, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus* Leach, 1821: 11, *Scotophilus dinganii* (A. Smith, 1833): 11, *Scotophilus viridis* (Peters, 1852): 5, *Stenonycteris lanosus* (Thomas, 1906): 18, *Tadarida* Rafinesque, 1814: 7, *Tadarida ventralis* (Heuglin, 1861): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 7, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 11, *Triaenops afer* Peters, 1877: 210, [1407].

Tunisia:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 3, *Miniopterus schreibersii* (Kuhl, 1817): 5, *Myotis capaccinii* (Bonaparte, 1837): 3, *Myotis punicus* Felten, 1977: 13, *Pipistrellus kuhlii* (Kuhl, 1817): 3, *Plecotus christii* Gray, 1838: 2, *Rhinolophus mehelyi* Matschie, 1901: 6, [35].

Uganda:

Chaerephon pumilus (Cretzschmar, 1826): 22, *Chaerephon pusillus* (Miller, 1902): 1, *Doryrhina cyclops* (Temminck, 1853): 7, *Epomophorus* Bennett, 1836: 1, *Epomophorus labiatus* (Temminck, 1837): 25, *Epomops franqueti* (Tomes, 1860): 113, *Glauconycteris argentata* (Dobson, 1875): 2, *Glauconycteris humeralis* J.A. Allen, 1917: 2, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros* Gray, 1831: 2, *Hipposideros beatus* (K. Andersen, 1906): 3, *Hipposideros caffer* (Sundevall, 1846): 8, *Hipposideros ruber* (Noack, 1893): 65, *Hypsugo crassulus* (Thomas, 1904): 2, *Hypsugo eisentrauti* (Hill, 1968): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 4, *Megaloglossus woermanni* Pagenstecher, 1885: 13, *Micropteropus pusillus* (Peters, 1868): 40, *Miniopterus inflatus rufus* Sanborn, 1936: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 3, *Myonycteris angolensis* (Bocage, 1898): 162, *Myonycteris torquata* (Dobson, 1878): 9, *Myotis bocagii* (Peters, 1870): 1, *Myotis bocagii bocagii* (Peters, 1870): 15, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia nana* (Peters, 1852): 34, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 2, *Nycteris arge* Thomas, 1903: 1, *Nycteris hispida* (Schreber, 1774): 16, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 6, *Pipistrellus nanulus* Thomas, 1904: 1, *Pipistrellus rueppellii fuscipes* Thomas, 1913: 3, *Rhinolophus* Lacépède, 1799: 7, *Rhinolophus alcyone* Temminck, 1853: 24, *Rhinolophus clivosus* Cretzschmar, 1828: 42, *Rhinolophus ruwenzorii* J. Eric Hill, 1942: 4, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 13, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus dinganii* (A. Smith, 1833): 6, *Scotophilus nux* Thomas, 1904: 7, *Stenonycteris lanosus* (Thomas, 1906): 67, *Tadarida* Rafinesque, 1814: 1, [745].

Zambia:

Eidolon helvum (Kerr, 1792): 2, *Epomophorus crypturus* Peters, 1852: 25, *Epomophorus dobsonii* Bocage, 1889: 2, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus natalensis* (A. Smith, 1833): 4, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 2, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 3, *Nycteris woodi* K. Andersen, 1914: 1, *Rhinolophus lobatus* Peters, 1852: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 4, [49].

Zimbabwe:

Epomophorus crypturus Peters, 1852: 64, *Glauconycteris variegata* (Tomes, 1861): 6, *Hipposideros caffer* (Sundevall, 1846): 2, *Laephotis botswanae* Setzer, 1971: 1, *Miniopterus natalensis* (A. Smith, 1833): 2, *Neoromicia capensis* (A. Smith, 1829): 12, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 24, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinolophus lobatus* Peters, 1852: 8, *Rhinolophus rhodesiae* Roberts, 1946: 2, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 6, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 11, *Scotophilus dinganii* (A. Smith, 1833): 11, [152].

Total Specimens for FMNH: 11176

GV: Global Viral Cameroon

Cameroon:
Coleura afra (Peters, 1852): 2, [2].

Total Specimens for GV: 2

HNHM: Hungarian Natural History Museum

"Africa":
Mimetillus moloneyi (Thomas, 1891): 1, [1].
Algeria:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Hypsugo savii* (Bonaparte, 1837): 1, *Myotis punicus* Felten, 1977: 9, *Rhinolophus ferrumequinum* (Schreber, 1774): 2, *Rhinolophus hipposideros* (Bechstein, 1800): 4, *Rhinolophus mehelyi* Matschie, 1901: 5, [22].
Botswana:
Rhinolophus simulator K. Andersen, 1904: 1, [1].
Cameroon:
Glauconycteris beatrix Thomas, 1901: 1, *Rhinolophus alcyone* Temminck, 1853: 2, [3].
Central African Republic:
Kerivoula smithii Thomas, 1880: 1, [1].
Congo:
Neoromicia nana (Peters, 1852): 2, *Rhinolophus adami* Aellen and Brosset, 1968: 1, *Rhinolophus silvestris* Aellen, 1959: 1, *Scotophilus nigrita* (Schreber, 1774): 1, [5].
Congo (Democratic Republic of the):
Rhinolophus hildebrandtii Peters, 1878: 2, *Rhinolophus rhodesiae* Roberts, 1946: 2, [4].
Côte d'Ivoire:
Kerivoula lanosa (A. Smith, 1847): 1, [1].
Egypt:
Myotis Kaup, 1829: 1, *Pipistrellus kuhlii* (Kuhl, 1817): 1, [2].
Eritrea:
Rhinopoma macinnesi Hayman, 1937: 5, [5].
Ethiopia:
Cardioderma cor (Peters, 1872): 6, *Chaerephon pumilus* (Cretzschmar, 1826): 19, *Myotis bocagii* (Peters, 1870): 2, *Neoromicia nana* (Peters, 1852): 2, *Rhinolophus fumigatus* Rüppell, 1842: 5, *Rhinopoma cystops* Thomas, 1903: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 17, [52].
Ghana:
Hipposideros abae J.A. Allen, 1917: 5, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros caffer* (Sundevall, 1846): 19, *Hipposideros ruber* (Noack, 1893): 14, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 1, [43].
Guinea:
Eidolon helvum (Kerr, 1792): 3, *Hipposideros caffer* (Sundevall, 1846): 7, *Hipposideros jonesi* Hayman, 1947: 1, *Hipposideros ruber* (Noack, 1893): 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 1, *Myonycteris angolensis* (Bocage, 1898): 2, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 2, *Nycteris macrotis* Dobson, 1876: 2, *Pipistrellus nanulus* Thomas, 1904: 1, *Scotophilus nigrita* (Schreber, 1774): 4, [25].
Kenya:
Miniopterus natalensis (A. Smith, 1833): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus eloquens* K. Andersen, 1905: 1, *Scotophilus nigrita* (Schreber, 1774): 1, [8].
Madagascar:
Eidolon dupreanum (Schegel, 1867): 1, [1].
Malawi:
Neoromicia nana (Peters, 1852): 1, [1].
Nigeria:
Eidolon helvum (Kerr, 1792): 2, *Epomophorus* Bennett, 1836: 1, *Epomophorus gambianus* (Ogilby, 1835): 1, *Micropteropus pusillus* (Peters, 1868): 9, *Mops (Mops) condylurus* (A. Smith, 1833): 46, [59].
South Africa:
Chaerephon pumilus (Cretzschmar, 1826): 9, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 1, [12].
Tanzania:
Chaerephon pumilus (Cretzschmar, 1826): 19, *Epomophorus labiatus* (Temminck, 1837): 7, *Epomophorus wahlbergi* (Sundevall, 1846): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Neoromicia nana* (Peters, 1852): 14, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Scotophilus nigrita* (Schreber, 1774): 2, *Stenonycteris lanosus* (Thomas, 1906): 13, [65].
Tunisia:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 12, *Pipistrellus kuhlii* (Kuhl, 1817): 1, [13].
Zambia:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus dobsonii* Bocage, 1889: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 2, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 1, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus simulator* K. Andersen, 1904: 2, *Scotophilus nigrita* (Schreber, 1774): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [23].

Zimbabwe:
Rhinolophus darlingi K. Andersen, 1905: 1, [1].

Total Specimens for HNHM: 348

HZM: Harrison Institute

"Africa":
CHIROPTERA Blumenbach, 1779: 25, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, [29].
Algeria:
Eptesicus isabellinus (Temminck, 1840): 1, *Hypsugo savii* (Bonaparte, 1837): 1, *Pipistrellus kuhlii* (Kuhl, 1817): 9, *Pipistrellus pipistrellus* (Schreber, 1774): 2, [13].
Angola:
Epomophorus wahlbergi (Sundevall, 1846): 1, [1].
Botswana:
Epomophorus crypturus Peters, 1852: 1, *Neoromicia capensis* (A. Smith, 1829): 10, *Pipistrellus rusticus* (Tomes, 1861): 2, *Rhinolophus simulator* K. Andersen, 1904: 1, [14].
Comoros:
Miniopterus griveaudi Harrison, 1959: 2, [2].
Congo:
Glauconycteris alboguttata J.A. Allen, 1917: 1, *Glauconycteris beatrix* Thomas, 1901: 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 4, *Hypsugo crassulus* (Thomas, 1904): 1, *Mimetillus moloneyi* (Thomas, 1891): 1, *Miniopterus inflatus inflatus* Thomas, 1903: 4, *Neoromicia brunnea* (Thomas, 1880): 1, *Neoromicia nana* (Peters, 1852): 4, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris hispida* (Schreber, 1774): 1, *Pipistrellus nanulus* Thomas, 1904: 1, *Rhinolophus alcyone* Temminck, 1853: 2, *Triaenops afer* Peters, 1877: 3, [27].
Congo (Democratic Republic of the):
Chaerephon pumilus (Cretzschmar, 1826): 17, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomops franqueti* (Tomes, 1860): 32, *Glauconycteris humeralis* J.A. Allen, 1917: 1, *Hipposideros ruber* (Noack, 1893): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Micropteropus pusillus* (Peters, 1868): 31, *Mimetillus moloneyi* (Thomas, 1891): 3, *Miniopterus natalensis* (A. Smith, 1833): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 54, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 2, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 1, *Myonycteris torquata* (Dobson, 1878): 5, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 49, *Neoromicia rendalli* (Thomas, 1889): 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris macrotis* Dobson, 1876: 4, *Rhinolophus alcyone* Temminck, 1853: 1, *Scotophilus nux* Thomas, 1904: 1, [213].
Côte d'Ivoire:
Epomophorus gambianus (Ogilby, 1835): 2, *Macronycteris gigas* (Wagner, 1845): 1, *Neoromicia nana* (Peters, 1852): 2, [5].
Egypt:
Pipistrellus rueppellii (Fischer, 1829): 2, *Rhinopoma cystops* Thomas, 1903: 1, [3].
Ethiopia:
Cardioderma cor (Peters, 1872): 1, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 20, *Scotoecus hindei* Thomas, 1901: 2, *Triaenops afer* Peters, 1877: 1, [27].
Kenya:
Chaerephon bemmeleni (Jentink, 1879): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 8, *Laephotis wintoni* Thomas, 1901: 2, *Mimetillus moloneyi* (Thomas, 1891): 2, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 14, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia helios* (Heller, 1912): 4, *Neoromicia nana* (Peters, 1852): 8, *Neoromicia somalica* (Thomas, 1901): 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 1, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Rhinopoma macinnesi* Hayman, 1937: 2, *Stenonycteris lanosus* (Thomas, 1906): 1, [47].
Liberia:
Neoromicia nana (Peters, 1852): 4, [4].
Libya:
Pipistrellus kuhlii (Kuhl, 1817): 1, [1].
Malawi:
Epomophorus crypturus Peters, 1852: 1, *Epomophorus labiatus* (Temminck, 1837): 9, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia zuluensis* (Roberts, 1924): 2, *Tadarida fulminans* (Thomas, 1903): 1, [17].
Mozambique:
Epomophorus wahlbergi (Sundevall, 1846): 2, [2].
Nigeria:
Epomophorus gambianus (Ogilby, 1835): 12, *Epomops buettikoferi* (Matschie, 1899): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Myonycteris angolensis smithii* (Thomas, 1908): 3, *Neoromicia nana* (Peters, 1852): 4, *Neoromicia rendalli* (Thomas, 1889): 3, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Scotophilus nigrita* (Schreber, 1774): 1, [26].
Sierra Leone:
Epomops buettikoferi (Matschie, 1899): 1, *Mimetillus moloneyi* (Thomas, 1891): 1, [2].
South Africa:
Epomophorus wahlbergi (Sundevall, 1846): 8, *Kerivoula lanosa* (A. Smith, 1847): 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 1, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia nana* (Peters, 1852): 1, *Otomops martiensseni* (Matschie, 1897): 3, *Rhinolophus capensis* Lichtenstein, 1823: 1, [20].
South Sudan:
Pipistrellus rueppellii (Fischer, 1829): 1, *Rhinopoma cystops* Thomas, 1903: 1, [2].
Sudan:
Rhinopoma cystops Thomas, 1903: 7, *Rhinopoma microphyllum* (Brünnich, 1782): 2, [9].
Tanzania:
Epomophorus crypturus Peters, 1852: 15, *Epomophorus labiatus* (Temminck, 1837): 20, *Epomophorus minor* Dobson, 1880: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 6, *Eptesicus* Rafinesque, 1820: 3, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia*

nana (Peters, 1852): 5, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 2, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Scotoecus albofuscus* (Thomas, 1890): 2, *Stenonycteris lanosus* (Thomas, 1906): 3, *Tadarida ventralis* (Heuglin, 1861): 3, [62].

The Gambia:
Epomophorus gambianus (Ogilby, 1835): 20, *Eptesicus* Rafinesque, 1820: 2, *Neoromicia nana* (Peters, 1852): 1, [23].

Tunisia:
Pipistrellus kuhlii (Kuhl, 1817): 2, [2].

Uganda:
Hypsignathus monstrosus H. Allen, 1862: 1, *Neoromicia somalica* (Thomas, 1901): 2, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Stenonycteris lanosus* (Thomas, 1906): 1, [6].

Zambia:
Cloeotis percivali Thomas, 1901: 25, *Epomophorus crypturus* Peters, 1852: 24, *Epomophorus dobsonii* Bocage, 1889: 9, *Epomophorus labiatus* (Temminck, 1837): 4, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Hipposideros caffer* (Sundevall, 1846): 1, *Hypsugo anchietae* (Seabra, 1900): 4, *Kerivoula argentata* Tomes, 1861: 1, *Laephotis botswanae* Setzer, 1971: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 8, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia capensis* (A. Smith, 1829): 3, *Neoromicia nana* (Peters, 1852): 5, *Neoromicia rendalli* (Thomas, 1889): 1, *Neoromicia zuluensis* (Roberts, 1924): 4, *Nycteris grandis* Peters, 1865: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycteris woodi* K. Andersen, 1914: 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pipistrellus rusticus* (Tomes, 1861): 3, *Plerotes anchietae* (Seabra, 1900): 1, *Rhinolophus sakejiensis* Cotterill, 2002: 1, *Rhinolophus simulator* K. Andersen, 1904: 2, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [109].

Zimbabwe:
Chaerephon bivittatus (Heuglin, 1861): 1, *Cloeotis percivali* Thomas, 1901: 2, *Epomophorus crypturus* Peters, 1852: 14, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Eptesicus hottentotus* (A. Smith, 1833): 1, *Mops (Mops) midas* (Sundevall, 1843): 1, *Myonycteris angolensis goliath* (Bergmans, 1997): 2, *Myotis bocagii* (Peters, 1870): 1, *Myotis welwitschii* (Gray, 1866): 3, *Neoromicia capensis* (A. Smith, 1829): 4, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris woodi* K. Andersen, 1914: 2, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pipistrellus rusticus* (Tomes, 1861): 3, *Rhinolophus blasii* Peters, 1867: 2, *Rhinolophus rhodesiae* Roberts, 1946: 7, *Tadarida fulminans* (Thomas, 1903): 2, *Tadarida lobata* (Thomas, 1891): 1, [53].

Total Specimens for HZM: 719

IFAN: Institut Fondamental d'Afrique Noire

Guinea:
Rhinolophus maclaudi Pousargues, 1898: 1, [1].

Total Specimens for IFAN: 1

IICA: Instituto de Investigaçao Cientifica de Angola

Angola:
Chaerephon chapini J.A. Allen, 1917: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 2, *Coleura afra* (Peters, 1852): 1, *Epomophorus angolensis* Gray, 1870: 6, *Epomophorus wahlbergi* (Sundevall, 1846): 10, *Epomops franqueti* (Tomes, 1860): 1, *Eptesicus hottentotus* (A. Smith, 1833): 3, *Hipposideros caffer* (Sundevall, 1846): 2, *Hipposideros ruber* (Noack, 1893): 4, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus natalensis* (A. Smith, 1833): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 1, *Myonycteris angolensis* (Bocage, 1898): 1, *Neoromicia capensis* (A. Smith, 1829): 3, *Neoromicia nana* (Peters, 1852): 3, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 6, *Otomops martiensseni* (Matschie, 1897): 1, *Plerotes anchietae* (Seabra, 1900): 1, *Rhinolophus fumigatus* Rüppell, 1842: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [61].

Total Specimens for IICA: 61

INPBC: The Institute of the National Parks of Belgian Congo

Congo (Democratic Republic of the):
Chaerephon bemmeleni (Jentink, 1879): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 111, *Doryrhina cyclops* (Temminck, 1853): 25, *Epomophorus* Bennett, 1836: 3, *Epomophorus labiatus* (Temminck, 1837): 25, *Epomophorus minor* Dobson, 1880: 2, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Epomops franqueti* (Tomes, 1860): 3, *Glauconycteris argentata* (Dobson, 1875): 1, *Glauconycteris variegata* (Tomes, 1861): 5, *Hipposideros* Gray, 1831: 1, *Hipposideros caffer* (Sundevall, 1846): 110, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 15, *Miniopterus fraterculus* Thomas and Schwann, 1906: 7, *Miniopterus inflatus* Thomas, 1903: 3, *Miniopterus minor* Peters, 1867: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 111, *Mops (Mops) demonstrator* (Thomas, 1903): 2, *Mops (Mops) midas* (Sundevall, 1843): 9, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 2, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 3, *Myonycteris angolensis* (Bocage, 1898): 4, *Myonycteris torquata* (Dobson, 1878): 1, *Myotis bocagii* (Peters, 1870): 1, *Myotis tricolor* (Temminck, 1832): 2, *Myotis welwitschii* (Gray, 1866): 4, *Neoromicia* Roberts, 1926: 1, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia nana* (Peters, 1852): 692, *Neoromicia rendalli* (Thomas, 1889): 3, *Neoromicia tenuipinnis* (Peters, 1872): 4, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris arge* Thomas, 1903: 22, *Nycteris grandis* Peters, 1865: 4, *Nycteris hispida* (Schreber, 1774): 21, *Nycteris intermedia* Aellen, 1959: 6, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris nana* (K. Andersen, 1912): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 7, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus* Kaup, 1829: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 18, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rousettus* Gray, 1821: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 27, *Scotophilus dinganii* (A. Smith, 1833): 11, *Stenonycteris lanosus* (Thomas, 1906): 2, *Tadarida fulminans* (Thomas, 1903): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, *VESPERTILIONIDAE* Gray, 1821: 2, [1292].

Rwanda:
Chaerephon pumilus (Cretzschmar, 1826): 6, *Hipposideros ruber* (Noack, 1893): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 60, *Myotis bocagii* (Peters, 1870): 15, *Neoromicia nana* (Peters, 1852): 143, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 12, *Rhinolophus fumigatus* Rüppell, 1842: 32, *Rhinolophus lobatus* Peters, 1852: 1, [272].

Total Specimens for INPBC: 1564

ISEA: Institute of Systematics and Evolution of Animals

Algeria:
Otonycteris hemprichii Peters, 1859: 5, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus hipposideros* (Bechstein, 1800): 6, [12].

Total Specimens for ISEA: 12

ISU: Illinois State University (School. of Biological Sciences)

Botswana:
Epomophorus crypturus Peters, 1852: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, [2].

Total Specimens for ISU: 2

IVB: Institute of Vertebrate Biology, Academy of Sciences of Czech Republic

Algeria:
Rhinolophus hipposideros (Bechstein, 1800): 2, [2].
Egypt:
Otonycteris hemprichii Peters, 1859: 2, *Taphozous nudiventris* Cretzschmar, 1830: 30, [32].
Senegal:
Doryrhina cyclops (Temminck, 1853): 3, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros abae* J.A. Allen, 1917: 2, *Hipposideros caffer* (Sundevall, 1846): 3, *Hipposideros jonesi* Hayman, 1947: 3, *Hipposideros ruber* (Noack, 1893): 14, *Hipposideros tephrus* (Cabrera, 1906): 5, *Macronycteris vittatus* (Peters, 1852): 3, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 98, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 93, *Nycticeinops schlieffenii* (Peters, 1859): 8, *Pipistrellus hesperidus* (Temminck, 1840): 6, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Rhinolophus alcyone* Temminck, 1853: 1, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinolophus landeri* Martin, 1838: 2, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus nigrita* (Schreber, 1774): 2, [253].
Sudan:
Taphozous nudiventris Cretzschmar, 1830: 1, [1].

Total Specimens for IVB: 288

KM: Amathole Museum, King William's Town

"Africa":
CHIROPTERA Blumenbach, 1779: 6, [6].
Lesotho:
Cistugo lesueuri Roberts, 1919: 1, [1].
Malawi:
Epomophorus labiatus (Temminck, 1837): 6, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 20, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Nycteris woodi* K. Andersen, 1914: 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinolophus lobatus* Peters, 1852: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [43].
Mozambique:
Neoromicia nana (Peters, 1852): 1, [1].
Namibia:
Epomophorus angolensis Gray, 1870: 5, *Epomophorus crypturus* Peters, 1852: 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 3, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus natalensis* (A. Smith, 1833): 4, *Neoromicia capensis* (A. Smith, 1829): 25, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia zuluensis* (Roberts, 1924): 8, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 41, *Nycticeinops schlieffenii* (Peters, 1859): 9, *Pipistrellus rusticus* (Tomes, 1861): 3, *Rhinolophus denti* Thomas, 1904: 1, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Sauromys petrophilus* (Roberts, 1917): 54, *Scotophilus dinganii* (A. Smith, 1833): 5, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, [170].
South Africa:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Cistugo lesueuri* Roberts, 1919: 14, *Cistugo seabrae* Thomas, 1912: 13, *Epomophorus wahlbergi* (Sundevall, 1846): 29, *Eptesicus hottentotus* (A. Smith, 1833): 12, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 5, *Kerivoula argentata* Tomes, 1861: 1, *Kerivoula lanosa* (A. Smith, 1847): 4, *Miniopterus fraterculus* Thomas and Schwann, 1906: 4, *Miniopterus natalensis* (A. Smith, 1833): 12, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Myotis tricolor* (Temminck, 1832): 5, *Neoromicia capensis* (A. Smith, 1829): 87, *Neoromicia nana* (Peters, 1852): 3, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 21, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus capensis* Lichtenstein, 1823: 9, *Rhinolophus clivosus* Cretzschmar, 1828: 19, *Rhinolophus damarensis* Roberts, 1946: 1, *Rhinolophus simulator* K. Andersen, 1904: 3, *Rhinolophus swinnyi* Gough, 1908: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 9, *Sauromys petrophilus* (Roberts, 1917): 20, *Sauromys petrophilus umbratus* (Shortridge & Carter, 1938): 1, *Scotophilus dinganii*

(A. Smith, 1833): 7, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus viridis* (Peters, 1852): 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 17, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [313].

South Sudan:

Nycteris hispida (Schreber, 1774): 2, [2].

Tanzania:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 2, [2].

Zambia:

Chaerephon chapini J.A. Allen, 1917: 1, *Chaerephon nigeriae* Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Eidolon helvum* (Kerr, 1792): 4, *Epomophorus crypturus* Peters, 1852: 6, *Epomophorus dobsonii* Bocage, 1889: 3, *Epomophorus labiatus* (Temminck, 1837): 9, *Eptesicus hottentotus* (A. Smith, 1833): 1, *Hipposideros caffer* (Sundevall, 1846): 3, *Kerivoula argentata* Tomes, 1861: 2, *Kerivoula lanosa* (A. Smith, 1847): 1, *Mimetillus thomasi* Hinton, 1920: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 2, *Neoromicia capensis* (A. Smith, 1829): 18, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 14, *Nycteris woodi* K. Andersen, 1914: 2, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pipistrellus rusticus* (Tomes, 1861): 3, *Rhinolophus blasii* Peters, 1867: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 5, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 4, *Scotoecus albigula* Thomas, 1909: 2, *Scotophilus dinganii* (A. Smith, 1833): 3, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [98].

Zimbabwe:

Epomophorus crypturus Peters, 1852: 1, [1].

Total Specimens for KM: 637

KNP: Kruger National Park

South Africa:

Chaerephon pumilus (Cretzschmar, 1826): 17, *Epomophorus crypturus* Peters, 1852: 10, *Epomophorus wahlbergi* (Sundevall, 1846): 5, *Eptesicus hottentotus* (A. Smith, 1833): 1, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros caffer* (Sundevall, 1846): 15, *Kerivoula argentata* Tomes, 1861: 1, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus natalensis* (A. Smith, 1833): 13, *Mops (Mops) condylurus* (A. Smith, 1833): 13, *Mops (Mops) midas* (Sundevall, 1843): 5, *Myotis bocagii* (Peters, 1870): 1, *Myotis tricolor* (Temminck, 1832): 1, *Myotis welwitschii* (Gray, 1866): 3, *Neoromicia* Roberts, 1926: 2, *Neoromicia capensis* (A. Smith, 1829): 6, *Neoromicia nana* (Peters, 1852): 6, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 13, *Nycticeinops schlieffenii* (Peters, 1859): 8, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Pipistrellus rusticus* (Tomes, 1861): 3, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus darlingi* K. Andersen, 1905: 9, *Rhinolophus fumigatus* Rüppell, 1842: 4, *Rhinolophus lobatus* Peters, 1852: 4, *Rhinolophus rhodesiae* Roberts, 1946: 2, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 8, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 5, *Scotophilus dinganii* (A. Smith, 1833): 12, *Scotophilus viridis* (Peters, 1852): 7, *Tadarida fulminans* (Thomas, 1903): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 4, [187].

Total Specimens for KNP: 187

KU: University of Kansas, Natural History Museum

"Africa":

Hipposideros caffer (Sundevall, 1846): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus simulator* K. Andersen, 1904: 4, [11].

Angola:

Epomophorus dobsonii Bocage, 1889: 1, [1].

Botswana:

Chaerephon pumilus (Cretzschmar, 1826): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, [7].

Congo (Democratic Republic of the):

Doryrhina cyclops (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 1, *Hipposideros fuliginosus* (Temminck, 1853): 3, *Hipposideros ruber* (Noack, 1893): 2, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Micropteropus pusillus* (Peters, 1868): 1, [10].

Ghana:

Scotophilus Leach, 1821: 2, [2].

Kenya:

Chaerephon bivittatus (Heuglin, 1861): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Epomophorus minor* Dobson, 1880: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Mops* Lesson, 1842: 1, *Nycteris hispida* (Schreber, 1774): 1, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 1, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus eloquens* K. Andersen, 1905: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Taphozous hildegardeae* Thomas, 1909: 1, [11].

Liberia:

Mimetillus moloneyi (Thomas, 1891): 2, [2].

Malawi:

Chaerephon pumilus (Cretzschmar, 1826): 3, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 24, *Mops (Mops) midas* (Sundevall, 1843): 1, *Myotis bocagii bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 4, *Neoromicia rendalli* (Thomas, 1889): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Nycteris woodi* K. Andersen, 1914: 1, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Rhinolophus lobatus* Peters, 1852: 2, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus viridis* (Peters, 1852): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [49].

Mozambique:

Nycteris vinsoni Dalquest, 1965: 1, *Scotophilus nigrita* (Schreber, 1774): 1, [2].

South Africa:

Chaerephon pumilus (Cretzschmar, 1826): 6, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 6, *Kerivoula argentata* Tomes, 1861: 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 4, *Mops (Mops) condylurus* (A. Smith, 1833): 6, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 7, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Pipistrellus hesperidus broomi* Roberts, 1948: 3, *Rhinolophus capensis* Lichtenstein, 1823: 1, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 4, *Scotophilus dinganii* (A. Smith, 1833): 11, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [62].

Tanzania:
Chaerephon pumilus (Cretzschmar, 1826): 12, *Hipposideros caffer* (Sundevall, 1846): 2, *Hipposideros ruber* (Noack, 1893): 1, *Nycteris hispida* (Schreber, 1774): 4, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Scotophilus dinganii* (A. Smith, 1833): 2, [23].

Uganda:
Hipposideros ruber (Noack, 1893): 1, [1].

Zambia:
Hipposideros caffer (Sundevall, 1846): 1, [1].

Zimbabwe:
Cloeotis percivali Thomas, 1901: 2, *Epomophorus crypturus* Peters, 1852: 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 1, *Miniopterus natalensis* (A. Smith, 1833): 2, *Neoromicia capensis* (A. Smith, 1829): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus rhodesiae* Roberts, 1946: 1, *Triaenops afer* Peters, 1877: 1, [10].

Total Specimens for KU: 192

KZNM: KwaZulu-Natal Museum

South Africa:
Otomops martiensseni (Matschie, 1897): 2, [2].

Total Specimens for KZNM: 2

LACM: Natural History Museum of Los Angeles County

Central African Republic:
Nanonycteris veldkampii (Jentink, 1888): 1, [1].

Côte d'Ivoire:
Epomophorus gambianus (Ogilby, 1835): 1, *Micropteropus pusillus* (Peters, 1868): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [6].

Egypt:
Pipistrellus rueppellii (Fischer, 1829): 1, [1].

Kenya:
Epomophorus labiatus (Temminck, 1837): 1, *Epomophorus minor* Dobson, 1880: 44, *Epomophorus wahlbergi* (Sundevall, 1846): 84, *Kerivoula argentata* Tomes, 1861: 1, *Kerivoula lanosa* (A. Smith, 1847): 2, *Mimetillus moloneyi* (Thomas, 1891): 6, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 13, *Myotis tricolor* (Temminck, 1832): 2, *Neoromicia somalica* (Thomas, 1901): 3, *Pipistrellus rueppellii* (Fischer, 1829): 9, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 19, *Stenonycteris lanosus* (Thomas, 1906): 12, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 181, *Tadarida ventralis* (Heuglin, 1861): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 13, [392].

Liberia:
Epomops buettikoferi (Matschie, 1899): 1, [1].

Namibia:
Chaerephon nigeriae Thomas, 1913: 3, *Cistugo seabrae* Thomas, 1912: 1, *Epomophorus angolensis* Gray, 1870: 1, *Eptesicus hottentotus* (A. Smith, 1833): 5, *Hipposideros caffer* (Sundevall, 1846): 3, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus natalensis* (A. Smith, 1833): 2, *Mops (Mops) midas* (Sundevall, 1843): 1, *Neoromicia capensis* (A. Smith, 1829): 7, *Neoromicia zuluensis* (Roberts, 1924): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rhinolophus damarensis* Roberts, 1946: 1, *Rhinolophus denti* Thomas, 1904: 3, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Sauromys petrophilus* (Roberts, 1917): 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 6, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 83, [124].

South Africa:
Cloeotis percivali Thomas, 1901: 2, *Neoromicia somalica* (Thomas, 1901): 2, *Rhinolophus simulator* K. Andersen, 1904: 1, [5].

Tanzania:
Epomophorus labiatus (Temminck, 1837): 7, *Epomophorus minor* Dobson, 1880: 6, *Epomophorus wahlbergi* (Sundevall, 1846): 14, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 3, *Myonycteris relicta* Bergmans, 1980: 1, *Pipistrellus grandidieri* (Dobson, 1876): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 4, [36].

Tunisia:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 4, [4].

Uganda:
Eidolon helvum (Kerr, 1792): 5, *Epomophorus labiatus* (Temminck, 1837): 18, *Epomops franqueti* (Tomes, 1860): 55, *Hypsignathus monstrosus* H. Allen, 1862: 7, *Kerivoula phalaena* Thomas, 1912: 2, *Kerivoula smithii* Thomas, 1880: 3, *Megaloglossus woermanni* Pagenstecher, 1885: 9, *Micropteropus pusillus* (Peters, 1868): 16, *Mimetillus moloneyi* (Thomas, 1891): 3, *Mops (Mops) trevori* J.A. Allen, 1917: 4, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 86, *Myonycteris torquata* (Dobson, 1878): 5, *Pipistrellus rusticus* (Tomes, 1861): 2, *Rhinolophus ruwenzorii* J. Eric Hill, 1942: 11, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 7, *Stenonycteris lanosus* (Thomas, 1906): 11, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 11, [255].

Zambia:
Chaerephon chapini J.A. Allen, 1917: 1, *Mimetillus thomasi* Hinton, 1920: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) midas* (Sundevall, 1843): 18, *Nycteris hispida* (Schreber, 1774): 1, *Pipistrellus rueppellii* (Fischer, 1829): 53, *Scotoecus hindei* Thomas, 1901: 7, [82].

Total Specimens for LACM: 907

LER: Laboratoire Emile Roubaud

Central African Republic:
Myonycteris torquata (Dobson, 1878): 1, [1].

Total Specimens for LER: 1

LNK: Staatliches Museum für Naturkunde, Karlsruhe [SMNK]

Tanzania:
Epomophorus labiatus (Temminck, 1837): 12, [12].

Total Specimens for LNK: 12

LZUM: Laboratory of Zoology, University of Maroua

Cameroon:
Chaerephon chapini J.A. Allen, 1917: 1, *Chaerephon leucogaster* (A. Grandidier, 1869): 1, *Chaerephon major* (Trouessart, 1897): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 2, *Micropteropus pusillus* (Peters, 1868): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus nigrita* (Schreber, 1774): 1, [13].

Total Specimens for LZUM: 13

MCZ: Museum of Comparative Zoology, Harvard University

"Africa":
Eidolon helvum (Kerr, 1792): 2, *Hipposideros caffer* (Sundevall, 1846): 2, *Kerivoula* Gray, 1842: 1, *Macronycteris gigas* (Wagner, 1845): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, [12].
Algeria:
Rhinolophus euryale Blasius, 1853: 2, [2].
Angola:
Mops (Mops) condylurus (A. Smith, 1833): 2, *Pipistrellus rueppellii vernayi* Roberts, 1932: 1, [3].
Benin:
Chaerephon pumilus (Cretzschmar, 1826): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Neoromicia nana* (Peters, 1852): 1, [7].
Botswana:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 2, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus rueppellii vernayi* Roberts, 1932: 1, [4].
Burundi:
Neoromicia tenuipinnis (Peters, 1872): 1, [1].
Cameroon:
Doryrhina cyclops (Temminck, 1853): 4, *Eidolon helvum* (Kerr, 1792): 10, *Epomops franqueti* (Tomes, 1860): 6, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros* Gray, 1831: 1, *Hipposideros beatus* (K. Andersen, 1906): 7, *Hipposideros curtus* G.M. Allen, 1921: 1, *Hipposideros fuliginosus* (Temminck, 1853): 5, *Hipposideros ruber* (Noack, 1893): 38, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Hypsugo crassulus* (Thomas, 1904): 1, *Kerivoula lanosa* (A. Smith, 1847): 4, *Macronycteris gigas* (Wagner, 1845): 2, *Megaloglossus woermanni* Pagenstecher, 1885: 3, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 5, *Myonycteris torquata* (Dobson, 1878): 2, *Myotis bocagii bocagii* (Peters, 1870): 1, *Neoromicia brunnea* (Thomas, 1880): 1, *Neoromicia nana* (Peters, 1852): 10, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 4, *Nycteris grandis* Peters, 1865: 3, *Nycteris hispida* (Schreber, 1774): 10, *Nycteris nana* (K. Andersen, 1912): 3, *Pipistrellus* Kaup, 1829: 3, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus landeri* Martin, 1838: 1, [130].
Canary Islands (Spain):
Pipistrellus maderensis (Dobson, 1878): 1, [1].
Congo (Democratic Republic of the):
Chaerephon ansorgei (Thomas, 1913): 2, *Chaerephon leucogaster* (A. Grandidier, 1869): 2, *Chaerephon major* (Trouessart, 1897): 2, *Chaerephon russatus* J.A. Allen, 1917: 2, *Coleura afra* (Peters, 1852): 1, *Doryrhina cyclops* (Temminck, 1853): 7, *Eidolon helvum* (Kerr, 1792): 4, *Epomophorus dobsonii* Bocage, 1889: 1, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros abae* J.A. Allen, 1917: 2, *Hipposideros beatus* (K. Andersen, 1906): 3, *Hipposideros caffer* (Sundevall, 1846): 2, *Hipposideros ruber* (Noack, 1893): 15, *Hypsignathus monstrosus* H. Allen, 1862: 6, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris gigas* (Wagner, 1845): 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 3, *Miniopterus natalensis* (A. Smith, 1833): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 15, *Mops (Mops) congicus* J.A. Allen, 1917: 1, *Mops (Mops) midas* (Sundevall, 1843): 3, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 2, *Myonycteris angolensis* (Bocage, 1898): 13, *Myopterus daubentonii* Desmarest, 1820: 1, *Myotis bocagii bocagii* (Peters, 1870): 1, *Myotis bocagii cupreolus* Thomas, 1904: 7, *Neoromicia* Roberts, 1926: 1, *Neoromicia nana* (Peters, 1852): 18, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia tenuipinnis* (Peters, 1872): 7, *Nycteris arge* Thomas, 1903: 10, *Nycteris grandis* Peters, 1865: 2, *Nycteris hispida* (Schreber, 1774): 4, *Pipistrellus* Kaup, 1829: 15, *Rhinolophus eloquens* K. Andersen, 1905: 3, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus lobatus* Peters, 1852: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 14, *Saccolaimus peli* (Temminck, 1853): 3, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 6, *Taphozous perforatus sudani* Thomas, 1915: 1, [190].
Djibouti:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, [1].
Egypt:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 2, *Plecotus christii* Gray, 1838: 1, *Rhinopoma cystops* Thomas, 1903: 4, *Rhinopoma microphyllum* (Brünnich, 1782): 7, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, [17].

Eritrea:

Chaerephon pumilus (Cretzschmar, 1826): 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, [2].

Ethiopia:

Myotis Kaup, 1829: 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Pipistrellus* Kaup, 1829: 1, *Pteropus* Erxleben, 1777: 1, [4].

Gabon:

Neoromicia nana (Peters, 1852): 3, [3].

Ghana:

Eidolon helvum (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 3, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Neoromicia* Roberts, 1926: 1, *Saccolaimus peli* (Temminck, 1853): 1, [8].

Kenya:

Cardioderma cor (Peters, 1872): 29, *Chaerephon pumilus* (Cretzschmar, 1826): 16, *Chaerephon russatus* J.A. Allen, 1917: 1, *Coleura afra* (Peters, 1852): 8, *Epomophorus labiatus* (Temminck, 1837): 11, *Epomophorus wahlbergi* (Sundevall, 1846): 21, *Glauconycteris argentata* (Dobson, 1875): 12, *Hipposideros caffer* (Sundevall, 1846): 8, *Hipposideros ruber* (Noack, 1893): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 20, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus* Bonaparte, 1837: 6, *Miniopterus africanus* Sanborn, 1936: 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 1, *Miniopterus inflatus rufus* Sanborn, 1936: 49, *Miniopterus natalensis* (A. Smith, 1833): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 22, *Myonycteris angolensis* (Bocage, 1898): 1, *Myonycteris relicta* Bergmans, 1980: 1, *Myotis bocagii bocagii* (Peters, 1870): 7, *Neoromicia helios* (Heller, 1912): 1, *Neoromicia nana* (Peters, 1852): 18, *Neoromicia rendalli* (Thomas, 1889): 6, *Neoromicia somalica* (Thomas, 1901): 2, *Nycteris aurita* (K. Andersen, 1912): 1, *Nycteris hispida* (Schreber, 1774): 5, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris nana* (K. Andersen, 1912): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 19, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 1, *Pipistrellus inexspectatus* Aellen, 1959: 11, *Platymops setiger macmillani* Thomas, 1906: 1, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus eloquens* K. Andersen, 1905: 23, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus hildebrandtii* Peters, 1878: 1, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 5, *Scotoecus hindei* Thomas, 1901: 1, *Scotophilus dinganii* (A. Smith, 1833): 10, *Scotophilus nux* Thomas, 1904: 1, *Scotophilus viridis* (Peters, 1852): 1, *Taphozous hildegardeae* Thomas, 1909: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 11, *Triaenops afer* Peters, 1877: 2, [353].

Liberia:

Doryrhina cyclops (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 5, *Epomops franqueti* (Tomes, 1860): 1, *Hipposideros beatus* (K. Andersen, 1906): 4, *Neoromicia nana* (Peters, 1852): 34, *Neoromicia tenuipinnis* (Peters, 1872): 14, *Nycteris arge* Thomas, 1903: 2, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 1, *Saccolaimus peli* (Temminck, 1853): 5, [68].

Madagascar:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010: 5, *Chaerephon pumilus* (Cretzschmar, 1826): 21, *Eidolon dupreanum* (Schegel, 1867): 18, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 8, *Miniopterus majori* Thomas, 1906: 2, *Miniopterus manavi* Thomas, 1906: 27, *MOLOSSIDAE* Gervais, 1856: 2, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 29, *Mops (Mops) midas miarensis* (A. Grandidier, 1869): 4, *Mormopterus* Peters, 1865: 2, *Mormopterus jugularis* (Peters, 1865): 38, *Myotis goudoti* (A. Smith, 1834): 5, *Neoromicia matroka* (Thomas and Schwann, 1905): 6, *Neoromicia nana* (Peters, 1852): 1, *Nycteris madagascariensis* G. Grandidier, 1937: 2, *Paratriaenops auritus* (G. Grandidier, 1912): 1, *Paremballonura atrata* (Peters, 1874): 19, *Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006): 2, *Pipistrellus inexspectatus* Aellen, 1959: 1, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 15, *Rousettus madagascariensis* G. Grandidier, 1929: 1, *Scotophilus robustus* A. Milne-Edwards, 1881: 3, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, *Triaenops menamena* Goodman and Ranivo, 2009: 5, [220].

Malawi:

Chaerephon Dobson, 1874: 26, *Chaerephon pumilus* (Cretzschmar, 1826): 11, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Hipposideros caffer* (Sundevall, 1846): 3, *Hipposideros ruber* (Noack, 1893): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) midas* (Sundevall, 1843): 1, *Neoromicia nana* (Peters, 1852): 20, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, [74].

Mali:

Epomophorus gambianus (Ogilby, 1835): 1, [1].

Mauritius:

Mormopterus acetabulosus (Hermann, 1804): 1, *Pteropus niger* (Kerr, 1792): 3, [4].

Morocco:

Myotis punicus Felten, 1977: 6, *Rhinolophus hipposideros* (Bechstein, 1800): 6, [12].

Mozambique:

Chaerephon pumilus (Cretzschmar, 1826): 5, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [8].

Namibia:

Cistugo seabrae Thomas, 1912: 1, *Macronycteris vittatus* (Peters, 1852): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia zuluensis* (Roberts, 1924): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Rhinolophus* Lacépède, 1799: 5, *Rhinolophus fumigatus* Rüppell, 1842: 2, [16].

Nigeria:

Pipistrellus Kaup, 1829: 1, *Rhinolophus landeri* Martin, 1838: 1, [2].

Réunion:

Mormopterus acetabulosus acetabulosus (Hermann, 1804): 6, [6].

Senegal:

Epomops buettikoferi (Matschie, 1899): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Pipistrellus* Kaup, 1829: 1, [5].

Sierra Leone:

Eidolon helvum (Kerr, 1792): 2, *Epomops franqueti* (Tomes, 1860): 1, [3].

Somalia:

Nycteris G. Cuvier and E. Geoffroy, 1795: 1, [1].

South Africa:
CHIROPTERA Blumenbach, 1779: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 7, *Hipposideros caffer* (Sundevall, 1846): 1, *Miniopterus natalensis* (A. Smith, 1833): 17, *Neoromicia capensis* (A. Smith, 1829): 10, *Neoromicia nana* (Peters, 1852): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Rhinolophus capensis* Lichtenstein, 1823: 10, *Rousettus* Gray, 1821: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Sauromys petrophilus* (Roberts, 1917): 1, *Scotophilus dinganii* (A. Smith, 1833): 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 4, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 3, [63].

South Sudan:
Hipposideros ruber (Noack, 1893): 2, [2].

Sudan:
Chaerephon pumilus (Cretzschmar, 1826): 4, *Epomophorus labiatus* (Temminck, 1837): 3, *Eptesicus* Rafinesque, 1820: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 5, *Mops (Mops) demonstrator* (Thomas, 1903): 3, *Mops (Mops) midas* (Sundevall, 1843): 1, *Neoromicia rendalli* (Thomas, 1889): 4, *Neoromicia somalica* (Thomas, 1901): 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus landeri* Martin, 1838: 14, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 6, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [46].

Swaziland:
Mops (Mops) condylurus (A. Smith, 1833): 2, [2].

Tanzania:
Cardioderma cor (Peters, 1872): 1, *Chaerephon major* (Trouessart, 1897): 2, *Chaerephon pumilus* (Cretzschmar, 1826): 26, *CHIROPTERA* Blumenbach, 1779: 1, *Coleura afra* (Peters, 1852): 46, *Eidolon helvum* (Kerr, 1792): 11, *Epomophorus* Bennett, 1836: 2, *Epomophorus labiatus* (Temminck, 1837): 27, *Epomophorus wahlbergi* (Sundevall, 1846): 8, *Glauconycteris argentata* (Dobson, 1875): 7, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 31, *Hipposideros ruber* (Noack, 1893): 6, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 11, *Macronycteris vittatus* (Peters, 1852): 17, *Miniopterus minor* Peters, 1867: 4, *Miniopterus natalensis* (A. Smith, 1833): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 27, *Myonycteris angolensis* (Bocage, 1898): 9, *Myotis bocagii bocagii* (Peters, 1870): 2, *Neoromicia nana* (Peters, 1852): 124, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 21, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 49, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 1, *Pipistrellus rueppellii* (Fischer, 1829): 11, *Pteropus* Erxleben, 1777: 1, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 1, *Pteropus voeltzkowi* Matschie, 1909: 3, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus deckenii* Peters, 1868: 2, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus hildebrandtii* Peters, 1878: 5, *Rhinolophus lobatus* Peters, 1852: 3, *Rhinolophus rhodesiae* Roberts, 1946: 17, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 8, *Scotophilus dinganii* (A. Smith, 1833): 1, *Stenonycteris lanosus* (Thomas, 1906): 7, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 10, *Taphozous nudiventris* Cretzschmar, 1830: 2, *Taphozous perforatus sudani* Thomas, 1915: 1, *Triaenops afer* Peters, 1877: 51, [566].

The Gambia:
Glauconycteris argentata (Dobson, 1875): 1, *Hipposideros ruber* (Noack, 1893): 1, [2].

Uganda:
Chaerephon pumilus (Cretzschmar, 1826): 45, *Doryrhina cyclops* (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Epomops franqueti* (Tomes, 1860): 3, *Hipposideros ruber* (Noack, 1893): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 9, *Micropteropus pusillus* (Peters, 1868): 2, *Myonycteris angolensis* (Bocage, 1898): 7, *Myotis bocagii bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 6, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 2, *Rhinolophus alcyone* Temminck, 1853: 9, *Rhinolophus eloquens* K. Andersen, 1905: 1, *Rousettus* Gray, 1821: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, *Saccolaimus peli* (Temminck, 1853): 2, *Scotophilus* Leach, 1821: 1, *Stenonycteris lanosus* (Thomas, 1906): 5, [106].

Zambia:
Mops (Mops) niveiventer Cabrera and Ruxton, 1926: 2, *Neoromicia nana* (Peters, 1852): 7, [9].

Zimbabwe:
Hipposideros caffer (Sundevall, 1846): 1, *Neoromicia nana* (Peters, 1852): 12, *Rhinolophus clivosus* Cretzschmar, 1828: 1, [14].

Total Specimens for MCZ: 1968

MDL: Museum Dundo

Angola:
Chaerephon nigeriae Thomas, 1913: 3, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus angolensis* Gray, 1870: 1, *Epomophorus crypturus* Peters, 1852: 2, *Epomophorus dobsonii* Bocage, 1889: 3, *Epomophorus grandis* (Sanborn, 1950): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 49, *Glauconycteris argentata* (Dobson, 1875): 2, *Hipposideros caffer* (Sundevall, 1846): 8, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Megaloglossus woermanni* Pagenstecher, 1885: 1, *Micropteropus pusillus* (Peters, 1868): 1, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia "incertae-sedis"* ?: 1, *Neoromicia nana* (Peters, 1852): 8, *Neoromicia tenuipinnis* (Peters, 1872): 5, *Nycteris arge* Thomas, 1903: 1, *Nycteris hispida* (Schreber, 1774): 6, *Nycteris macrotis* Dobson, 1876: 15, *Saccolaimus peli* (Temminck, 1853): 1, *Scotoecus albigula* Thomas, 1909: 1, *Scotophilus dinganii* (A. Smith, 1833): 19, *Tadarida* Rafinesque, 1814: 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 31, *VESPERTILIONIDAE* Gray, 1821: 1, [166].

Total Specimens for MDL: 166

MHNC: Muséum d'Histoire Naturelle de La Chaux-de-Fonds

"Africa":
Laephotis angolensis Monard, 1935: 1, [1].

Angola:
Laephotis angolensis Monard, 1935: 3, [3].

Cameroon:
Epomophorus gambianus (Ogilby, 1835): 11, *Pipistrellus inexspectatus* Aellen, 1959: 1, [12].

Guinea-Bissau:
Epomophorus gambianus (Ogilby, 1835): 7, [7].

Total Specimens for MHNC: 23

MHNG: Muséum d'Histoire Naturelle, Genève

"Africa":
Pipistrellus kuhlii (Kuhl, 1817): 2, [2].

Algeria:
Pipistrellus kuhlii (Kuhl, 1817): 1, *Pipistrellus pipistrellus* (Schreber, 1774): 1, [2].

Angola:
Eptesicus Rafinesque, 1820: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Pipistrellus rueppellii* (Fischer, 1829): 1, [4].

Burundi:
Chaerephon Dobson, 1874: 2, *Eidolon helvum* (Kerr, 1792): 30, *Epomophorus labiatus* (Temminck, 1837): 151, *Epomophorus wahlbergi* (Sundevall, 1846): 4, *Glauconycteris argentata* (Dobson, 1875): 2, *Hipposideros caffer* (Sundevall, 1846): 3, *Hipposideros ruber* (Noack, 1893): 21, *Miniopterus fraterculus* Thomas and Schwann, 1906: 5, *Miniopterus inflatus inflatus* Thomas, 1903: 4, *Myotis bocagii* (Peters, 1870): 2, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia* Roberts, 1926: 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 20, *Neoromicia tenuipinnis* (Peters, 1872): 9, *Nycteris hispida* (Schreber, 1774): 2, *Otomops martiensseni* (Matschie, 1897): 1, *Pipistrellus* Kaup, 1829: 4, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus fumigatus* Rüppell, 1842: 21, *Rhinolophus hildebrandtii* Peters, 1878: 11, *Scotophilus* Leach, 1821: 10, *Scotophilus dinganii* (A. Smith, 1833): 19, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, *Scotophilus nigrita* (Schreber, 1774): 1, [328].

Cameroon:
Hypsugo musciculus (Thomas, 1913): 6, *Neoromicia nana* (Peters, 1852): 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris major* (K. Andersen, 1912): 2, *Nycteris parisii* (de Beaux, 1924): 1, *Pipistrellus nanulus* Thomas, 1904: 2, [14].

Chad:
Neoromicia rendalli (Thomas, 1889): 12, *Neoromicia somalica* (Thomas, 1901): 1, [13].

Comoros:
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009: 1, *Myotis anjouanensis* (Dorst, 1960): 1, [2].

Congo:
Miniopterus minor Peters, 1867: 1, *Nycteris macrotis* Dobson, 1876: 3, *Rhinolophus adami* Aellen and Brosset, 1968: 1, [5].

Congo (Democratic Republic of the):
Casinycteris argynnis Thomas, 1910: 6, *Chaerephon ansorgei* (Thomas, 1913): 4, *Chaerephon major* (Trouessart, 1897): 5, *Chaerephon nigeriae spillmanni* (Monard, 1933): 1, *Cloeotis percivali* Thomas, 1901: 1, *Doryrhina cyclops* (Temminck, 1853): 1, *Epomophorus crypturus* Peters, 1852: 1, *Epomops franqueti* (Tomes, 1860): 7, *Glauconycteris argentata* (Dobson, 1875): 1, *Hipposideros beatus* (K. Andersen, 1906): 6, *Hipposideros ruber* (Noack, 1893): 38, *Megaloglossus woermanni* Pagenstecher, 1885: 1, *Micropteropus pusillus* (Peters, 1868): 4, *Mimetillus moloneyi* (Thomas, 1891): 1, *Miniopterus inflatus* Thomas, 1903: 4, *Miniopterus inflatus rufus* Sanborn, 1936: 2, *Miniopterus natalensis* (A. Smith, 1833): 33, *Mops (Mops) condylurus* (A. Smith, 1833): 8, *Mops (Mops) congicus* J.A. Allen, 1917: 2, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 8, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 8, *Myonycteris angolensis* (Bocage, 1898): 9, *Myonycteris angolensis angolensis* (Bocage, 1898): 1, *Myonycteris torquata* (Dobson, 1878): 1, *Myotis bocagii* (Peters, 1870): 3, *Myotis tricolor* (Temminck, 1832): 4, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia nana* (Peters, 1852): 14, *Neoromicia tenuipinnis* (Peters, 1872): 3, *Nycteris arge* Thomas, 1903: 1, *Nycteris nana* (K. Andersen, 1912): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 21, *Rhinolophus hildebrandtii* Peters, 1878: 17, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinolophus rhodesiae* Roberts, 1946: 35, *Rhinolophus ruwenzorii* J. Eric Hill, 1942: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 8, *Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 3, *Scotophilus dinganii* (A. Smith, 1833): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, *Taphozous perforatus sudani* Thomas, 1915: 3, [278].

Côte d'Ivoire:
Kerivoula lanosa (A. Smith, 1847): 1, *Macronycteris gigas* (Wagner, 1845): 1, *Neoromicia nana* (Peters, 1852): 10, *Nycteris arge* Thomas, 1903: 5, *Nycteris intermedia* Aellen, 1959: 4, *Nycteris nana* (K. Andersen, 1912): 1, [22].

Egypt:
Pipistrellus kuhlii (Kuhl, 1817): 2, *Rhinopoma microphyllum* (Brünnich, 1782): 1, [3].

Ethiopia:
Myotis welwitschii (Gray, 1866): 1, *Neoromicia guineensis* (Bocage, 1889): 1, [2].

Gabon:
Neoromicia tenuipinnis (Peters, 1872): 1, *Nycteris intermedia* Aellen, 1959: 2, *Rhinolophus silvestris* Aellen, 1959: 1, [4].

Guinea:
Hipposideros lamottei Brosset, 1985: 4, *Miniopterus inflatus* Thomas, 1903: 1, [5].

Guinea-Bissau:
Nycteris gambiensis (K. Andersen, 1912): 3, *Nycteris macrotis* Dobson, 1876: 1, [4].

Libya:
Pipistrellus kuhlii (Kuhl, 1817): 1, [1].

Macedonia:
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806): 1, [1].

Morocco:
Hypsugo savii (Bonaparte, 1837): 1, *Miniopterus schreibersii* (Kuhl, 1817): 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004: 1, [4].

Mozambique:
Laephotis botswanae Setzer, 1971: 1, [1].

Nigeria:
Pipistrellus rueppellii (Fischer, 1829): 1, [1].

Rwanda:
Chaerephon pumilus (Cretzschmar, 1826): 5, *Eidolon helvum* (Kerr, 1792): 4, *Epomophorus labiatus* (Temminck, 1837): 7, *Hipposideros ruber* (Noack, 1893): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 1, *Myonycteris angolensis* (Bocage, 1898): 2, *Neoromicia nana* (Peters,

1852): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, *Scotophilus dinganii* (A. Smith, 1833): 5, [41].

Senegal:
Kerivoula argentata Tomes, 1861: 1, *Neoromicia guineensis* (Bocage, 1889): 2, *Nycteris gambiensis* (K. Andersen, 1912): 1, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Pipistrellus nanulus* Thomas, 1904: 1, *Pipistrellus rusticus* (Tomes, 1861): 2, [10].

South Africa:
Neoromicia somalica (Thomas, 1901): 1, [1].

Sudan:
Pipistrellus kuhlii (Kuhl, 1817): 3, *Pipistrellus rueppellii* (Fischer, 1829): 1, [4].

Tanzania:
Neoromicia nana (Peters, 1852): 15, [15].

Tunisia:
Myotis punicus Felten, 1977: 1, *Pipistrellus kuhlii* (Kuhl, 1817): 2, [3].

Uganda:
Neoromicia tenuipinnis (Peters, 1872): 1, [1].

Total Specimens for MHNG: 771

MHNN: Muséum d'Histoire Naturelle Neuchâtel

Angola:
Epomophorus angolensis Gray, 1870: 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, [3].

Total Specimens for MHNN: 3

MIZT: Museo ed Instituto Zoologia, Torino

"Africa":
Nycteris macrotis Dobson, 1876: 1, [1].

Uganda:
Epomophorus labiatus (Temminck, 1837): 1, [1].

Total Specimens for MIZT: 2

MLZA: Lisbon Museum

Angola:
Myonycteris angolensis (Bocage, 1898): 2, [2].

Guinea-Bissau:
Epomophorus gambianus (Ogilby, 1835): 1, [1].

São Tomé and Principé:
Myonycteris brachycephala (Bocage, 1889): 1, [1].

Total Specimens for MLZA: 4

MMF: Municipal Museum Funchal

Madeira (Portugal):
Pipistrellus maderensis (Dobson, 1878): 1, [1].

Total Specimens for MMF: 1

MMK: Macgregor Museum, Kimberly

"Africa":
CHIROPTERA Blumenbach, 1779: 5, *MOLOSSIDAE* Gervais, 1856: 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 47, [54].

Namibia:
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): 5, [5].

South Africa:
Cistugo lesueuri Roberts, 1919: 1, *Cistugo seabrae* Thomas, 1912: 1, *Eidolon helvum* (Kerr, 1792): 3, *Eptesicus hottentotus* (A. Smith, 1833): 8, *Miniopterus natalensis* (A. Smith, 1833): 6, *Myotis tricolor* (Temminck, 1832): 1, *Neoromicia capensis* (A. Smith, 1829): 14, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 20, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 11, *Rhinolophus damarensis* Roberts, 1946: 14, *Rhinolophus denti* Thomas, 1904: 2, *Sauromys petrophilus* (Roberts, 1917): 14, *Scotophilus dinganii* (A. Smith, 1833): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, [100].

Zambia:
Chaerephon nigeriae Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, [3].

Zimbabwe:
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): 2, [2].

Total Specimens for MMK: 164

MMU: Maasai Mara University

Kenya:
Cardioderma cor (Peters, 1872): 2, *Chaerephon pumilus* (Cretzschmar, 1826): 2, *Coleura afra* (Peters, 1852): 7, *Epomophorus labiatus* (Temminck, 1837): 6, *Epomophorus wahlbergi* (Sundevall, 1846): 6, *Glauconycteris humeralis* J.A. Allen, 1917: 1, *Hipposideros beatus* (K. Andersen, 1906): 3, *Hipposideros caffer* (Sundevall, 1846): 38, *Hipposideros ruber* (Noack, 1893): 12, *Laephotis wintoni* Thomas, 1901: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 11, *Micropteropus pusillus* (Peters, 1868): 1, *Miniopterus* Bonaparte, 1837: 1, *Miniopterus africanus* Sanborn, 1936: 20, *Miniopterus fraterculus* Thomas and Schwann, 1906: 6, *Miniopterus inflatus rufus* Sanborn, 1936: 31, *Miniopterus natalensis* (A. Smith, 1833): 42, *Myonycteris angolensis* (Bocage, 1898): 2, *Myotis bocagii* (Peters, 1870): 1, *Myotis tricolor* (Temminck, 1832): 3, *Neoromicia* Roberts, 1926: 3, *Neoromicia capensis* (A. Smith, 1829): 16, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia tenuipinnis* (Peters, 1872): 8, *Nycteris aurita* (K. Andersen, 1912): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Rhinolophus clivosus* Cretzschmar, 1828: 8, *Rhinolophus eloquens* K. Andersen, 1905: 39, *Rhinolophus lobatus* Peters, 1852: 36, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Tadarida lobata* (Thomas, 1891): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [320].

Total Specimens for MMU: 320

MNCN: Museo Nacional de Ciencias Naturales

Equatorial Guinea:
Myonycteris angolensis (Bocage, 1898): 1, *Myonycteris angolensis angolensis* (Bocage, 1898): 1, [2].
Morocco:
Hipposideros tephrus (Cabrera, 1906): 2, [2].
Spain:
Hypsugo savii (Bonaparte, 1837): 1, [1].

Total Specimens for MNCN: 5

MNH: Museo de La Naturaleza e El Hombre, Santa Cruz de Tenerife

Spain:
Barbastella barbastellus (Schreber, 1774): 3, [3].

Total Specimens for MNH: 3

MNHN: Museum National d'Histoire Naturelle

"Africa":
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 5, *Cardioderma cor* (Peters, 1872): 1, *Chaerephon nigeriae* Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 23, *Coleura seychellensis* Peters, 1868: 1, *Doryrhina cyclops* (Temminck, 1853): 3, *Eidolon dupreanum* (Schegel, 1867): 3, *Eidolon helvum* (Kerr, 1792): 11, *Epomophorus* Bennett, 1836: 5, *Epomophorus crypturus* Peters, 1852: 2, *Epomophorus gambianus* (Ogilby, 1835): 11, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Epomophorus labiatus* (Temminck, 1837): 11, *Epomops* Gray, 1866: 1, *Epomops franqueti* (Tomes, 1860): 5, *Glauconycteris argentata* (Dobson, 1875): 1, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros caffer* (Sundevall, 1846): 17, *Hipposideros curtus* G.M. Allen, 1921: 2, *Hipposideros ruber* (Noack, 1893): 6, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Hypsugo ariel* (Thomas, 1904): 1, *Kerivoula lanosa* (A. Smith, 1847): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 11, *Macronycteris gigas* (Wagner, 1845): 1, *Macronycteris vittatus* (Peters, 1852): 11, *Micropteropus pusillus* (Peters, 1868): 4, *Miniopterus majori* Thomas, 1906: 1, *Miniopterus minor* Peters, 1867: 7, *Mops* Lesson, 1842: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 4, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 1, *Mormopterus acetabulosus* (Hermann, 1804): 2, *Myonycteris torquata* (Dobson, 1878): 3, *Myopterus daubentonii* Desmarest, 1820: 1, *Myotis anjouanensis* (Dorst, 1960): 8, *Myotis bocagii* (Peters, 1870): 12, *Myotis goudoti* (A. Smith, 1834): 5, *Myotis tricolor* (Temminck, 1832): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia rendalli* (Thomas, 1889): 1, *Nyctalus leisleri* (Kuhl, 1817): 4, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris hispida* (Schreber, 1774): 8, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Nycticeinops schlieffenii* (Peters, 1859): 3, *Otonycteris hemprichii* Peters, 1859: 4, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pteropus niger* (Kerr, 1792): 1, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 9, *Pteropus subniger* (Kerr, 1792): 1, *Rhinolophus alcyone* Temminck, 1853: 1, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rhinolophus landeri* Martin, 1838: 4, *Rhinolophus silvestris* Aellen, 1959: 1, *Rhinopoma cystops* Thomas, 1903: 3, *Rhinopoma microphyllum* (Brünnich, 1782): 15, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 27, *Rousettus madagascariensis* G. Grandidier, 1929: 5, *Saccolaimus peli* (Temminck, 1853): 1, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus* Leach, 1821: 4, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, *Scotophilus nux* Thomas, 1904: 2, *Tadarida* Rafinesque, 1814: 2, *Taphozous* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 4, *Taphozous nudiventris* Cretzschmar, 1830: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 7, *Vespertilioninae* Gray, 1821: 2, [315].
Algeria:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 24, *Eptesicus isabellinus* (Temminck, 1840): 2, *Miniopterus schreibersii* (Kuhl, 1817): 2, *Myotis punicus* Felten, 1977: 6, *Otonycteris hemprichii* Peters, 1859: 12, *Pipistrellus kuhlii* (Kuhl, 1817): 38, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 9, *Rhinolophus euryale* Blasius, 1853: 2, *Rhinolophus ferrumequinum* (Schreber, 1774): 4, *Rhinolophus hipposideros* (Bechstein, 1800): 2, *Rhinolophus mehelyi* Matschie, 1901: 4, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Tadarida teniotis* (Rafinesque, 1814): 1, *VESPERTILIONIDAE* Gray, 1821: 2, [111].
Angola:
Hypsugo anchietae (Seabra, 1900): 1, *Neoromicia flavescens* (Seabra, 1900): 2, *Pipistrellus grandidieri* (Dobson, 1876): 1, [4].

Benin:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Eidolon helvum helvum* (Kerr, 1792): 1, *Epomophorus* Bennett, 1836: 1, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros caffer* (Sundevall, 1846): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 4, *Micropteropus pusillus* (Peters, 1868): 4, *Neoromicia nana* (Peters, 1852): 4, *Neoromicia rendalli* (Thomas, 1889): 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus nanulus* Thomas, 1904: 1, *Rhinolophus* Lacépède, 1799: 1, *Scotophilus nigrita* (Schreber, 1774): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [31].

Botswana:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Hipposideros caffer* (Sundevall, 1846): 2, [4].

Burkina Faso:
Epomophorus gambianus (Ogilby, 1835): 2, *Nycteris gambiensis* (K. Andersen, 1912): 6, *Nycteris hispida* (Schreber, 1774): 5, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Nycticeinops schlieffenii* (Peters, 1859): 1, *PTEROPODIDAE* Gray, 1821: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 7, *Taphozous nudiventris* Cretzschmar, 1830: 1, [25].

Burundi:
Chaerephon pumilus (Cretzschmar, 1826): 1, [1].

Cameroon:
Casinycteris campomaanensis Hassanin, 2014: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 2, *Doryrhina cyclops* (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 6, *Eidolon helvum helvum* (Kerr, 1792): 9, *Epomops franqueti* (Tomes, 1860): 50, *Glauconycteris variegata* (Tomes, 1861): 5, *Hipposideros caffer* (Sundevall, 1846): 2, *Hipposideros fuliginosus* (Temminck, 1853): 2, *Hipposideros ruber* (Noack, 1893): 19, *Hypsignathus monstrosus* H. Allen, 1862: 6, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris gigas* (Wagner, 1845): 3, *Megaloglossus woermanni* Pagenstecher, 1885: 22, *Micropteropus pusillus* (Peters, 1868): 30, *Mops (Mops) condylurus* (A. Smith, 1833): 4, *Myonycteris angolensis* (Bocage, 1898): 2, *Myonycteris angolensis angolensis* (Bocage, 1898): 11, *Myonycteris torquata* (Dobson, 1878): 33, *Nanonycteris veldkampii* (Jentink, 1888): 3, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris gambiensis* (K. Andersen, 1912): 1, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 6, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus landeri* Martin, 1838: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 30, *Scotonycteris zenkeri* Matschie, 1894: 11, *Taphozous* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [272].

Cape Verde:
Plecotus E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous nudiventris* Cretzschmar, 1830: 6, [7].

Central African Republic:
Casinycteris argynnis Thomas, 1910: 1, *Chaerephon* Dobson, 1874: 1, *Chaerephon major* (Trouessart, 1897): 1, *Chaerephon nigeriae* Thomas, 1913: 67, *Chaerephon pumilus* (Cretzschmar, 1826): 31, *Coleura afra* (Peters, 1852): 93, *Doryrhina cyclops* (Temminck, 1853): 8, *Eidolon helvum* (Kerr, 1792): 6, *Epomophorus* Bennett, 1836: 1, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus gambianus* (Ogilby, 1835): 7, *Epomophorus gambianus pousarguesi* Trouessart, 1904: 4, *Epomops franqueti* (Tomes, 1860): 32, *Glauconycteris egeria* Thomas, 1913: 2, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros abae* J.A. Allen, 1917: 31, *Hipposideros beatus* (K. Andersen, 1906): 26, *Hipposideros caffer* (Sundevall, 1846): 8, *Hipposideros fuliginosus* (Temminck, 1853): 2, *Hipposideros ruber* (Noack, 1893): 167, *Hypsignathus monstrosus* H. Allen, 1862: 7, *Kerivoula lanosa* (A. Smith, 1847): 2, *Kerivoula smithii* Thomas, 1880: 5, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Macronycteris vittatus* (Peters, 1852): 5, *Megaloglossus woermanni* Pagenstecher, 1885: 3, *Micropteropus pusillus* (Peters, 1868): 3, *Mimetillus moloneyi* (Thomas, 1891): 3, *Miniopterus inflatus* Thomas, 1903: 5, *Miniopterus minor* Peters, 1867: 21, *Mops (Mops) condylurus* (A. Smith, 1833): 331, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 1, *Myonycteris torquata* (Dobson, 1878): 53, *Myopterus daubentonii* Desmarest, 1820: 1, *Myotis bocagii* (Peters, 1870): 1, *Nanonycteris veldkampii* (Jentink, 1888): 2, *Neoromicia* Roberts, 1926: 4, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 139, *Neoromicia rendalli* (Thomas, 1889): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 23, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris nana* (K. Andersen, 1912): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Pipistrellus* Kaup, 1829: 5, *Pipistrellus nanulus* Thomas, 1904: 23, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *PTEROPODIDAE* Gray, 1821: 1, *Rhinolophus* Lacépède, 1799: 3, *Rhinolophus alcyone* Temminck, 1853: 1, *Rhinolophus fumigatus* Rüppell, 1842: 21, *Rhinolophus landeri* Martin, 1838: 2, *Saccolaimus peli* (Temminck, 1853): 1, *Scotoecus albofuscus* (Thomas, 1890): 3, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 4, *Scotophilus* Leach, 1821: 9, *Scotophilus dinganii* (A. Smith, 1833): 7, *Scotophilus leucogaster* (Cretzschmar, 1826): 16, *Scotophilus viridis* (Peters, 1852): 4, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 4, *Triaenops afer* Peters, 1877: 3, [1219].

Chad:
Chaerephon Dobson, 1874: 3, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Eidolon helvum helvum* (Kerr, 1792): 2, *Epomophorus gambianus* (Ogilby, 1835): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 6, *Myonycteris torquata* (Dobson, 1878): 1, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Taphozous* E. Geoffroy St.-Hilaire, 1818: 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [21].

Comoros:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Miniopterus griveaudi* Harrison, 1959: 5, *Miniopterus minor* Peters, 1867: 5, *Myotis anjouanensis* (Dorst, 1960): 6, *Pteropus livingstonii* Gray, 1866: 6, *Pteropus seychellensis* A. Milne-Edwards, 1877: 8, [32].

Congo:
Chaerephon pumilus (Cretzschmar, 1826): 30, *Doryrhina cyclops* (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 2, *Epomops franqueti* (Tomes, 1860): 21, *Glauconycteris argentata* (Dobson, 1875): 1, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros caffer* (Sundevall, 1846): 22, *Hipposideros ruber* (Noack, 1893): 2, *Hypsignathus monstrosus* H. Allen, 1862: 8, *Hypsugo crassulus* (Thomas, 1904): 1, *Kerivoula phalaena* Thomas, 1912: 1, *Macronycteris gigas* (Wagner, 1845): 2, *Micropteropus pusillus* (Peters, 1868): 19, *Miniopterus minor* Peters, 1867: 1, *Mops* Lesson, 1842: 2, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 5, *Myonycteris angolensis* (Bocage, 1898): 3, *Myonycteris torquata* (Dobson, 1878): 5, *Myotis bocagii* (Peters, 1870): 1, *Myotis dieteri* M. Happold, 2005: 1, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 13, *Neoromicia tenuipinnis* (Peters, 1872): 3, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris grandis* Peters, 1865: 5, *Nycteris hispida* (Schreber, 1774): 6, *Nycteris macrotis* Dobson, 1876: 5, *Pipistrellus nanulus* Thomas, 1904: 1, *Rhinolophus adami* Aellen and Brosset, 1968: 11, *Rhinolophus alcyone* Temminck, 1853: 5, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus silvestris* Aellen, 1959: 4, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, *Scotophilus* Leach, 1821: 2, *Scotophilus dinganii* (A. Smith, 1833): 12, *Triaenops afer* Peters, 1877: 8, [216].

Congo (Democratic Republic of the):
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 18, *Chaerephon nigeriae* Thomas, 1913: 2, *Eidolon helvum* (Kerr, 1792): 12, *Eidolon helvum helvum* (Kerr, 1792): 2, *Epomophorus* Bennett, 1836: 11, *Epomophorus anselli* Bergmans and Van Strien, 2004: 1, *Epomophorus crypturus* Peters, 1852: 54, *Epomophorus labiatus* (Temminck, 1837): 3, *Epomophorus minimus* Claessen & De Vree, 1991: 5, *Epomophorus wahlbergi* (Sundevall, 1846): 11, *Glauconycteris alboguttata* J.A. Allen, 1917: 4, *Glauconycteris argentata* (Dobson, 1875): 5, *Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017: 5, *Glauconycteris beatrix* Thomas, 1901: 9, *Glauconycteris curryae* Eger and Schlitter, 2001: 5, *Glauconycteris humeralis* J.A. Allen, 1917: 1, *Glauconycteris superba* Hayman, 1939: 5, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 1, *Hypsugo musciculus* (Thomas, 1913): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 4, *Micropteropus pusillus* (Peters, 1868): 55, *Miniopterus natalensis* (A. Smith, 1833): 2, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Myonycteris angolensis* (Bocage, 1898): 6, *Myonycteris torquata* (Dobson, 1878): 5, *Nanonycteris veldkampii* (Jentink, 1888): 3, *Neoromicia nana* (Peters, 1852): 16, *Nycteris hispida* (Schreber, 1774): 4, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 11, *Plerotes anchietae* (Seabra, 1900): 1, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus hildebrandtii* Peters, 1878: 4, *Rhinolophus lobatus* Peters, 1852: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 9, *Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 1, *Scotophilus* Leach, 1821: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [283].

Côte d'Ivoire:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Coleura afra* (Peters, 1852): 2, *Doryrhina cyclops* (Temminck, 1853): 4, *Eidolon helvum* (Kerr, 1792): 10, *Epomophorus gambianus* (Ogilby, 1835): 4, *Epomops* Gray, 1866: 2, *Epomops buettikoferi* (Matschie, 1899): 54, *Epomops franqueti* (Tomes, 1860): 22, *Hipposideros abae* J.A. Allen, 1917: 2, *Hipposideros beatus* (K. Andersen, 1906): 9, *Hipposideros ruber* (Noack, 1893): 9, *Hypsignathus monstrosus* H. Allen, 1862: 5, *Kerivoula* Gray, 1842: 1, *Kerivoula lanosa* (A. Smith, 1847): 2, *Kerivoula phalaena* Thomas, 1912: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris vittatus* (Peters, 1852): 1, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 15, *Micropteropus pusillus* (Peters, 1868): 14, *Mops (Mops) condylurus* (A. Smith, 1833): 7, *Myonycteris angolensis* (Bocage, 1898): 4, *Myonycteris leptodon* K. Andersen, 1908: 38, *Myopterus daubentonii* Desmarest, 1820: 3, *Nanonycteris veldkampii* (Jentink, 1888): 13, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 12, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris nana* (K. Andersen, 1912): 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus* Lacépède, 1799: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Saccolaimus peli* (Temminck, 1853): 7, *Scotoecus albofuscus* (Thomas, 1890): 54, *Scotonycteris occidentalis* Hayman, 1947: 2, *Scotophilus* Leach, 1821: 15, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus nigrita* (Schreber, 1774): 2, *Scotophilus viridis* (Peters, 1852): 1, [328].

Djibouti:
Coleura afra (Peters, 1852): 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Neoromicia nana* (Peters, 1852): 1, *Pipistrellus hesperidus* (Temminck, 1840): 5, *Taphozous nudiventris* Cretzschmar, 1830: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, *Vespertilioninae* Gray, 1821: 5, [15].

Egypt:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 5, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 6, *Pipistrellus kuhlii* (Kuhl, 1817): 8, *Pipistrellus pipistrellus* (Schreber, 1774): 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus mehelyi* Matschie, 1901: 1, *Rhinopoma cystops* Thomas, 1903: 4, *Rhinopoma microphyllum* (Brünnich, 1782): 4, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [39].

Equatorial Guinea:
Epomops franqueti (Tomes, 1860): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Neoromicia nana* (Peters, 1852): 1, [5].

Ethiopia:
Cardioderma cor (Peters, 1872): 15, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 5, *Epomophorus gambianus gambianus* (Ogilby, 1835): 3, *Epomophorus labiatus* (Temminck, 1837): 9, *Epomophorus minimus* Claessen & De Vree, 1991: 1, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 5, *Micropteropus pusillus* (Peters, 1868): 5, *Myonycteris angolensis* (Bocage, 1898): 1, *Myonycteris angolensis petraea* (Bergmans, 1997): 13, *Myotis tricolor* (Temminck, 1832): 1, *Neoromicia capensis* (A. Smith, 1829): 3, *Neoromicia flavescens* (Seabra, 1900): 2, *Neoromicia nana* (Peters, 1852): 5, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus blasii* Peters, 1867: 9, *Rhinolophus clivosus* Cretzschmar, 1828: 6, *Rhinolophus eloquens* K. Andersen, 1905: 4, *Rhinolophus fumigatus* Rüppell, 1842: 8, *Rhinolophus hildebrandtii* Peters, 1878: 2, *Rhinolophus landeri* Martin, 1838: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 5, [112].

France:
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806): 1, *Rhinolophus euryale* Blasius, 1853: 1, [2].

Gabon:
Chaerephon pumilus (Cretzschmar, 1826): 4, *Doryrhina cyclops* (Temminck, 1853): 5, *Epomophorus gambianus* (Ogilby, 1835): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Epomops* Gray, 1866: 1, *Epomops franqueti* (Tomes, 1860): 14, *Eptesicus* Rafinesque, 1820: 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros caffer* (Sundevall, 1846): 81, *Hipposideros fuliginosus* (Temminck, 1853): 1, *Hipposideros ruber* (Noack, 1893): 6, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Hypsugo musciculus* (Thomas, 1913): 1, *Kerivoula lanosa* (A. Smith, 1847): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris gigas* (Wagner, 1845): 7, *Megaloglossus woermanni* Pagenstecher, 1885: 21, *Micropteropus pusillus* (Peters, 1868): 6, *Mimetillus moloneyi* (Thomas, 1891): 1, *Miniopterus inflatus* Thomas, 1903: 15, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 1, *Myonycteris torquata* (Dobson, 1878): 18, *Myopterus whitleyi* (Scharff, 1900): 1, *Myotis bocagii* (Peters, 1870): 5, *Neoromicia nana* (Peters, 1852): 18, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris grandis* Peters, 1865: 6, *Nycteris hispida* (Schreber, 1774): 4, *Pipistrellus nanulus* Thomas, 1904: 3, *PTEROPODIDAE* Gray, 1821: 1, *Rhinolophus alcyone* Temminck, 1853: 7, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rhinolophus landeri* Martin, 1838: 2, *Rousettus* Gray, 1821: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 25, *Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 9, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [283].

Guinea:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Doryrhina cyclops* (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 4, *Eidolon helvum helvum* (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 24, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Epomops buettikoferi* (Matschie, 1899): 60, *Glauconycteris* Dobson, 1875: 4, *Hipposideros* Gray, 1831: 1, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros caffer* (Sundevall, 1846): 14, *Hipposideros fuliginosus* (Temminck, 1853): 7,

Hipposideros lamottei Brosset, 1985: 5, *Hipposideros marisae* Aellen, 1954: 1, *Hipposideros ruber* (Noack, 1893): 35, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Hypsugo eisentrauti* (Hill, 1968): 1, *Kerivoula lanosa* (A. Smith, 1847): 1, *Macronycteris gigas* (Wagner, 1845): 1, *Micropteropus pusillus* (Peters, 1868): 44, *Mimetillus moloneyi* (Thomas, 1891): 5, *Miniopterus inflatus* Thomas, 1903: 6, *MOLOSSIDAE* Gervais, 1856: 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Myonycteris angolensis* (Bocage, 1898): 6, *Myonycteris leptodon* K. Andersen, 1908: 30, *Myotis bocagii* (Peters, 1870): 1, *Nanonycteris veldkampii* (Jentink, 1888): 16, *Neoromicia guineensis* (Bocage, 1889): 3, *Neoromicia nana* (Peters, 1852): 7, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris grandis* Peters, 1865: 2, *Nycteris hispida* (Schreber, 1774): 8, *Nycteris intermedia* Aellen, 1959: 2, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus guineensis* Eisentraut, 1960: 3, *Rhinolophus hillorum* Koopman, 1989: 1, *Rhinolophus maclaudi* Pousargues, 1898: 1, *Rhinolophus simulator* K. Andersen, 1904: 7, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 45, *Scotonycteris occidentalis* Hayman, 1947: 1, *Scotophilus* Leach, 1821: 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [364].

Guinea-Bissau:

Coleura afra (Peters, 1852): 1, *Epomops franqueti* (Tomes, 1860): 1, *Macronycteris gigas* (Wagner, 1845): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Nycteris gambiensis* (K. Andersen, 1912): 1, *Nycteris hispida* (Schreber, 1774): 1, [8].

Kenya:

Chaerephon pumilus (Cretzschmar, 1826): 2, *Hipposideros caffer* (Sundevall, 1846): 7, *Hipposideros megalotis* (Heuglin, 1861): 1, *Hipposideros ruber* (Noack, 1893): 1, *Nycteris hispida* (Schreber, 1774): 3, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 2, *Platymops setiger* (Peters, 1878): 2, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 5, *Rhinolophus fumigatus* Rüppell, 1842: 5, *Rhinolophus hildebrandtii* Peters, 1878: 1, *Rhinolophus lobatus* Peters, 1852: 4, *Scotoecus hirundo* (de Winton, 1899): 2, [36].

Liberia:

Epomophorus Bennett, 1836: 3, *Epomophorus gambianus* (Ogilby, 1835): 6, *Epomops buettikoferi* (Matschie, 1899): 21, *Hipposideros* Gray, 1831: 2, *Hipposideros caffer* (Sundevall, 1846): 1, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 6, *Myonycteris angolensis* (Bocage, 1898): 14, *Myonycteris leptodon* K. Andersen, 1908: 24, *Nanonycteris veldkampii* (Jentink, 1888): 5, *Neoromicia nana* (Peters, 1852): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 10, *Scotonycteris occidentalis* Hayman, 1947: 5, [100].

Madagascar:

Chaerephon Dobson, 1874: 1, *Chaerephon atsinanana* Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010: 5, *Chaerephon leucogaster* (A. Grandidier, 1869): 5, *Chaerephon pumilus* (Cretzschmar, 1826): 38, *Eidolon dupreanum* (Schegel, 1867): 21, *Eidolon helvum* (Kerr, 1792): 3, *Hipposideros* Gray, 1831: 7, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 35, *Miniopterus* Bonaparte, 1837: 53, *Miniopterus griveaudi* Harrison, 1959: 1, *Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009: 4, *Miniopterus majori* Thomas, 1906: 20, *Miniopterus manavi* Thomas, 1906: 6, *Miniopterus minor* Peters, 1867: 125, *Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008: 1, *Mops* Lesson, 1842: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 39, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 5, *Mops (Mops) midas* (Sundevall, 1843): 1, *Mops (Mops) midas miarensis* (A. Grandidier, 1869): 1, *Mormopterus acetabulosus* (Hermann, 1804): 1, *Mormopterus jugularis* (Peters, 1865): 129, *Myotis goudoti* (A. Smith, 1834): 37, *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878: 6, *Neoromicia capensis* (A. Smith, 1829): 7, *Neoromicia humbloti* (A. Milne-Edwards, 1881): 9, *Neoromicia matroka* (Thomas and Schwann, 1905): 1, *Neoromicia nana* (Peters, 1852): 6, *Neoromicia somalica* (Thomas, 1901): 1, *Nycticeinops schlieffenii* (Peters, 1859): 3, *Otomops madagascariensis* Dorst, 1953: 1, *Paratriaenops furculus* (Trouessart, 1907): 19, *Paremballonura atrata* (Peters, 1874): 56, *Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006): 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *PTEROPODIDAE* Gray, 1821: 1, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 30, *Rousettus madagascariensis* G. Grandidier, 1929: 18, *Scotophilus* Leach, 1821: 4, *Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006: 1, *Scotophilus robustus* A. Milne-Edwards, 1881: 6, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 10, *Triaenops menamena* Goodman and Ranivo, 2009: 25, *Vespertilioninae* Gray, 1821: 1, [746].

Madeira (Portugal):

Nyctalus leisleri (Kuhl, 1817): 2, *Plecotus teneriffae* Barrett-Hamilton, 1907: 1, [3].

Malawi:

Epomophorus labiatus (Temminck, 1837): 12, *Neoromicia rendalli* (Thomas, 1889): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [14].

Mali:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 6, *Chaerephon leucogaster* (A. Grandidier, 1869): 1, *Chaerephon major* (Trouessart, 1897): 2, *Chaerephon pumilus* (Cretzschmar, 1826): 18, *Eidolon helvum helvum* (Kerr, 1792): 4, *Epomophorus gambianus* (Ogilby, 1835): 62, *Epomophorus gambianus gambianus* (Ogilby, 1835): 7, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros jonesi* Hayman, 1947: 1, *Micropteropus pusillus* (Peters, 1868): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 11, *Neoromicia rendalli* (Thomas, 1889): 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 3, *Rhinolophus landeri* Martin, 1838: 1, *Scotoecus albofuscus* (Thomas, 1890): 2, *Scotoecus hirundo* (de Winton, 1899): 2, *Scotophilus* Leach, 1821: 5, *Scotophilus dinganii* (A. Smith, 1833): 5, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [139].

Mauritania:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 4, *Eidolon helvum* (Kerr, 1792): 4, *Hipposideros tephrus* (Cabrera, 1906): 6, *Nycticeinops schlieffenii* (Peters, 1859): 30, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus landeri* Martin, 1838: 7, *Rhinopoma cystops* Thomas, 1903: 1, *Rhinopoma microphyllum* (Brünnich, 1782): 2, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [56].

Mauritius:

Mormopterus acetabulosus (Hermann, 1804): 11, *Pteropus niger* (Kerr, 1792): 6, *Pteropus subniger* (Kerr, 1792): 3, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [22].

Mayotte:

Chaerephon pumilus (Cretzschmar, 1826): 2, *Pteropus seychellensis* A. Milne-Edwards, 1877: 6, [8].

Morocco:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 23, *Eptesicus isabellinus* (Temminck, 1840): 1, *Hypsugo savii* (Bonaparte, 1837): 2, *Miniopterus schreibersii* (Kuhl, 1817): 6, *Myotis* Kaup, 1829: 1, *Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806): 1, *Myotis punicus* Felten, 1977: 16, *Pipistrellus kuhlii* (Kuhl, 1817): 4, *Pipistrellus pipistrellus* (Schreber, 1774): 1, *Plecotus teneriffae* Barrett-Hamilton, 1907: 1, *Rhinolophus* Lacépède, 1799: 9, *Rhinolophus euryale* Blasius, 1853: 3, *Rhinolophus ferrumequinum* (Schreber, 1774): 5, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus hipposideros* (Bechstein, 1800): 5, *Rhinolophus*

mehelyi Matschie, 1901: 15, *Rhinopoma cystops* Thomas, 1903: 14, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *VESPERTILIONIDAE* Gray, 1821: 1, [110].

Mozambique:
Neoromicia nana (Peters, 1852): 4, [4].

Namibia:
HIPPOSIDERIDAE Lydekker, 1891: 1, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus natalensis* (A. Smith, 1833): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, [9].

Niger:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 3, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Eidolon helvum* (Kerr, 1792): 2, *Eidolon helvum helvum* (Kerr, 1792): 3, *Epomophorus gambianus* (Ogilby, 1835): 3, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Epomops* Gray, 1866: 1, *Hipposideros caffer* (Sundevall, 1846): 2, *Nycticeinops schlieffenii* (Peters, 1859): 3, *Rhinopoma cystops* Thomas, 1903: 1, *Taphozous nudiventris* Cretzschmar, 1830: 1, *Vespertilioninae* Gray, 1821: 1, [22].

Portugal:
Nyctalus azoreum (Thomas, 1901): 1, [1].

Réunion:
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008: 88, *Neoromicia nana* (Peters, 1852): 1, *Pteropus* Erxleben, 1777: 2, *Pteropus niger* (Kerr, 1792): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, [95].

São Tomé and Principé:
Eidolon helvum (Kerr, 1792): 3, *Hipposideros fuliginosus* (Temminck, 1853): 1, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus minor* Peters, 1867: 1, [6].

Senegal:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 9, *Chaerephon pumilus* (Cretzschmar, 1826): 17, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus* Bennett, 1836: 14, *Epomophorus gambianus* (Ogilby, 1835): 15, *Glauconycteris poensis* (Gray, 1842): 1, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros caffer* (Sundevall, 1846): 86, *Hipposideros fuliginosus* (Temminck, 1853): 1, *Hipposideros ruber* (Noack, 1893): 77, *Hipposideros tephrus* (Cabrera, 1906): 14, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 7, *Macronycteris vittatus* (Peters, 1852): 2, *Micropteropus pusillus* (Peters, 1868): 8, *Mops (Mops) condylurus* (A. Smith, 1833): 19, *Mops (Mops) midas* (Sundevall, 1843): 2, *Myonycteris angolensis* (Bocage, 1898): 2, *Neoromicia nana* (Peters, 1852): 7, *Nycteris gambiensis* (K. Andersen, 1912): 35, *Nycteris hispida* (Schreber, 1774): 19, *Nycteris macrotis* Dobson, 1876: 49, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 45, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus nanulus* Thomas, 1904: 1, *Pipistrellus rueppellii senegalensis* Dorst, 1960: 3, *Pipistrellus rusticus* (Tomes, 1861): 1, *PTEROPODIDAE* Gray, 1821: 1, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinopoma cystops* Thomas, 1903: 6, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 5, *Scotoecus hirundo* (de Winton, 1899): 3, *Scotophilus* Leach, 1821: 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 4, *Scotophilus nigrita* (Schreber, 1774): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous nudiventris* Cretzschmar, 1830: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 15, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [483].

Seychelles:
Coleura seychellensis Peters, 1868: 6, *Pteropus* Erxleben, 1777: 1, *Pteropus aldabrensis* True, 1893: 1, *Pteropus seychellensis* A. Milne-Edwards, 1877: 7, [15].

Sierra Leone:
Nycteris hispida (Schreber, 1774): 1, [1].

Somalia:
Lavia frons (E. Geoffroy St.-Hilaire, 1810): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus fumigatus* Rüppell, 1842: 4, [11].

South Africa:
Chaerephon pumilus (Cretzschmar, 1826): 12, *Miniopterus* Bonaparte, 1837: 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Mops* Lesson, 1842: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 11, *Mormopterus acetabulosus* (Hermann, 1804): 1, *Neoromicia capensis* (A. Smith, 1829): 3, *Neoromicia nana* (Peters, 1852): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Rhinolophus capensis* Lichtenstein, 1823: 8, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Scotophilus dinganii* (A. Smith, 1833): 4, [50].

Spain:
Pipistrellus pipistrellus (Schreber, 1774): 1, [1].

Sudan:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Neoromicia somalica* (Thomas, 1901): 2, *Scotophilus* Leach, 1821: 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous nudiventris* Cretzschmar, 1830: 2, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 1, *VESPERTILIONIDAE* Gray, 1821: 1, [17].

Tanzania:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Cardioderma cor* (Peters, 1872): 6, *Chaerephon pumilus* (Cretzschmar, 1826): 7, *Coleura afra* (Peters, 1852): 1, *Eidolon helvum* (Kerr, 1792): 13, *Eidolon helvum helvum* (Kerr, 1792): 2, *Epomophorus labiatus* (Temminck, 1837): 3, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 6, *Hipposideros ruber* (Noack, 1893): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 4, *Macronycteris vittatus* (Peters, 1852): 8, *Mimetillus moloneyi* (Thomas, 1891): 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 2, *Myotis* Kaup, 1829: 2, *Neoromicia nana* (Peters, 1852): 3, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris hispida* (Schreber, 1774): 16, *Nycteris macrotis* Dobson, 1876: 13, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Pipistrellus grandidieri* (Dobson, 1876): 1, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus hildebrandtii* Peters, 1878: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 13, *Scotoecus hindei* Thomas, 1901: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops afer* Peters, 1877: 20, [137].

Togo:
Eidolon helvum (Kerr, 1792): 14, *Epomophorus gambianus* (Ogilby, 1835): 1, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros ruber* (Noack, 1893): 2, *Macronycteris vittatus* (Peters, 1852): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 3, [22].

Tunisia:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 3, *Eptesicus isabellinus* (Temminck, 1840): 1, *Myotis punicus* Felten, 1977: 6, *Pipistrellus kuhlii* (Kuhl, 1817): 15, *Pipistrellus pipistrellus* (Schreber, 1774): 1, *Plecotus teneriffae* Barrett-Hamilton, 1907: 3, *Rhinolophus ferrumequinum* (Schreber, 1774): 1, *Rhinolophus hipposideros* (Bechstein, 1800): 5, *Rhinolophus mehelyi* Matschie, 1901: 2, *Rhinopoma cystops* Thomas, 1903: 2, [39].

Uganda:
Myopterus whitleyi (Scharff, 1900): 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, [2].
Yemen:
Eptesicus bottae (Peters, 1869): 1, [1].
Zambia:
Epomophorus Bennett, 1836: 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, [3].
Zimbabwe:
Chaerephon ansorgei (Thomas, 1913): 2, *Epomophorus crypturus* Peters, 1852: 15, *Epomophorus gambianus* (Ogilby, 1835): 2, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Epomophorus labiatus* (Temminck, 1837): 8, *Hipposideros caffer* (Sundevall, 1846): 1, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia nana* (Peters, 1852): 12, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Pipistrellus rusticus* (Tomes, 1861): 1, *Scotophilus* Leach, 1821: 2, [49].

Total Specimens for MNHN: 5899

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"Africa":
Hipposideros caffer (Sundevall, 1846): 2, [2].
Cameroon:
Doryrhina cyclops (Temminck, 1853): 17, *Glauconycteris poensis* (Gray, 1842): 1, *Hipposideros beatus* (K. Andersen, 1906): 5, *Macronycteris gigas* (Wagner, 1845): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 1, *Nycteris grandis* Peters, 1865: 2, *Scotonycteris zenkeri* Matschie, 1894: 6, [33].
Congo (Democratic Republic of the):
Casinycteris argynnis Thomas, 1910: 1, *Chaerephon ansorgei* (Thomas, 1913): 58, *Chaerephon pumilus* (Cretzschmar, 1826): 103, *Epomops franqueti* (Tomes, 1860): 1, *Glauconycteris beatrix* Thomas, 1901: 1, *Megaloglossus woermanni* Pagenstecher, 1885: 15, *Micropteropus pusillus* (Peters, 1868): 37, *Mops (Mops) condylurus* (A. Smith, 1833): 5, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 2, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 6, *Myopterus whitleyi* (Scharff, 1900): 1, *Myotis bocagii* (Peters, 1870): 7, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris hispida* (Schreber, 1774): 1, *Scotophilus dinganii* (A. Smith, 1833): 10, [250].
Equatorial Guinea:
Eidolon helvum (Kerr, 1792): 2, *Epomops franqueti* (Tomes, 1860): 2, *Hipposideros caffer* (Sundevall, 1846): 2, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Megaloglossus woermanni* Pagenstecher, 1885: 2, *Micropteropus pusillus* (Peters, 1868): 2, *Miniopterus inflatus inflatus* Thomas, 1903: 2, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 5, *Myonycteris torquata* (Dobson, 1878): 2, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 2, *Pipistrellus nanulus* Thomas, 1904: 2, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus alcyone* Temminck, 1853: 2, *Rhinolophus landeri* Martin, 1838: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, [33].
Kenya:
Miniopterus natalensis (A. Smith, 1833): 1, [1].
Nigeria:
Epomops franqueti (Tomes, 1860): 1, [1].
South Africa:
Epomophorus wahlbergi (Sundevall, 1846): 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [4].
Tanzania:
Tadarida Rafinesque, 1814: 2, [2].
Zambia:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Cloeotis percivali* Thomas, 1901: 107, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Epomops franqueti* (Tomes, 1860): 1, *Hipposideros* Gray, 1831: 1, *Hipposideros caffer* (Sundevall, 1846): 172, *Macronycteris vittatus* (Peters, 1852): 5, *Miniopterus natalensis* (A. Smith, 1833): 113, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 2, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 53, *Nycteris woodi* K. Andersen, 1914: 7, *Rhinolophus* Lacépède, 1799: 4, *Rhinolophus blasii* Peters, 1867: 50, *Rhinolophus rhodesiae* Roberts, 1946: 51, *Rhinolophus simulator* K. Andersen, 1904: 90, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 4, *Scotophilus dinganii* (A. Smith, 1833): 1, *Tadarida* Rafinesque, 1814: 6, *Taphozous* E. Geoffroy St.-Hilaire, 1818: 4, [679].

Total Specimens for MSB: 1005

MSNG: Museo Civico di Storia Naturale "Giacomo Doria"

Algeria:
Otonycteris hemprichii Peters, 1859: 1, [1].
Angola:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, [1].
Egypt:
Plecotus christii Gray, 1838: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Tadarida teniotis* (Rafinesque, 1814): 1, [5].
Eritrea:
Asellia patrizii de Beaux, 1931: 2, *Epomophorus labiatus* (Temminck, 1837): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, [7].
Ethiopia:
Epomophorus labiatus (Temminck, 1837): 2, *Rhinolophus clivosus* Cretzschmar, 1828: 3, [5].
Lesotho:
Rhinolophus clivosus Cretzschmar, 1828: 3, [3].
Libya:
Plecotus christii Gray, 1838: 5, [5].
Madagascar:

Paratriaenops furculus (Trouessart, 1907): 2, [2].

Mozambique:

Rhinolophus clivosus Cretzschmar, 1828: 1, [1].

Somalia:

Asellia italosomalica de Beaux, 1931: 1, *Triaenops afer* Peters, 1877: 1, [2].

South Africa:

Nycteris hispida (Schreber, 1774): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 3, [4].

Sudan:

Rhinolophus clivosus Cretzschmar, 1828: 1, [1].

Total Specimens for MSNG: 37

MSNM: Museo Civico di Storia Naturale di Milano

Ethiopia:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 3, [3].

Somalia:

Nycteris macrotis Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 7, [8].

Total Specimens for MSNM: 11

MSU: Michigan State University, Mammal Collection, The Museum

Ghana:

Macronycteris gigas (Wagner, 1845): 1, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 1, [2].

Kenya:

Cardioderma cor (Peters, 1872): 6, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Glauconycteris* Dobson, 1875: 1, *Hipposideros caffer* (Sundevall, 1846): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 6, *Miniopterus* Bonaparte, 1837: 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *PTEROPODIDAE* Gray, 1821: 1, *Rhinolophus* Lacépède, 1799: 1, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus nigrita* (Schreber, 1774): 1, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 7, [33].

Namibia:

Pipistrellus Kaup, 1829: 1, *Sauromys petrophilus* (Roberts, 1917): 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, [6].

Sierra Leone:

Epomophorus gambianus (Ogilby, 1835): 1, [1].

South Sudan:

Chaerephon major (Trouessart, 1897): 37, *Chaerephon pumilus* (Cretzschmar, 1826): 7, *Epomophorus labiatus* (Temminck, 1837): 33, *Glauconycteris variegata* (Tomes, 1861): 3, *Micropteropus pusillus* (Peters, 1868): 9, *Mops (Mops) condylurus* (A. Smith, 1833): 6, *Neoromicia capensis* (A. Smith, 1829): 6, *Neoromicia somalica* (Thomas, 1901): 14, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus* Leach, 1821: 2, *Scotophilus nigrita* (Schreber, 1774): 62, [183].

Sudan:

Chaerephon major (Trouessart, 1897): 1, *Eidolon helvum* (Kerr, 1792): 1, *Scotophilus* Leach, 1821: 3, *Scotophilus nigrita* (Schreber, 1774): 2, [7].

Tanzania:

Epomops franqueti (Tomes, 1860): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [2].

Uganda:

MOLOSSIDAE Gervais, 1856: 1, [1].

Zambia:

Hipposideros caffer (Sundevall, 1846): 34, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 17, *Rhinolophus lobatus* Peters, 1852: 1, [52].

Total Specimens for MSU: 287

MUB: Masaryk University Brno, Department of Botany and Zoology

Algeria:

Otonycteris hemprichii Peters, 1859: 2, *Rhinolophus blasii* Peters, 1867: 15, [17].

Egypt:

Taphozous nudiventris Cretzschmar, 1830: 2, [2].

Total Specimens for MUB: 19

MVZ: Museum of Vertebrate Zoology, Univ. California, Berkeley

Angola:

Epomops franqueti (Tomes, 1860): 1, [1].

Botswana:

Chaerephon pumilus (Cretzschmar, 1826): 10, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 17, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus simulator* K. Andersen, 1904: 4, *Sauromys petrophilus petrophilus* (Roberts, 1917): 2, *Scotophilus dinganii* (A. Smith, 1833): 8, [43].

Cameroon:

Eidolon helvum (Kerr, 1792): 3, *Eidolon helvum helvum* (Kerr, 1792): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, [7].

Egypt:
Pipistrellus kuhlii (Kuhl, 1817): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinopoma cystops* Thomas, 1903: 29, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Taphozous nudiventris* Cretzschmar, 1830: 8, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [42].

Eritrea:
Miniopterus africanus Sanborn, 1936: 17, *Rhinolophus blasii* Peters, 1867: 5, *Rhinolophus clivosus* Cretzschmar, 1828: 7, *Rhinolophus fumigatus* Rüppell, 1842: 2, [31].

Ethiopia:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Epomophorus labiatus* (Temminck, 1837): 2, [4].

Ghana:
Epomophorus gambianus (Ogilby, 1835): 8, *Epomops franqueti* (Tomes, 1860): 19, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 1, *Micropteropus pusillus* (Peters, 1868): 36, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 1, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris macrotis* Dobson, 1876: 1, [69].

Kenya:
Epomophorus labiatus (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 38, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 2, *Neoromicia helios* (Heller, 1912): 1, *Nycteris macrotis* Dobson, 1876: 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 1, *Platymops setiger* (Peters, 1878): 1, *Tadarida lobata* (Thomas, 1891): 1, [47].

Liberia:
Hipposideros ruber (Noack, 1893): 2, *Neoromicia nana* (Peters, 1852): 13, *Neoromicia tenuipinnis* (Peters, 1872): 3, *Nycteris hispida* (Schreber, 1774): 3, [21].

Madagascar:
Miniopterus majori Thomas, 1906: 2, [2].

Malawi:
Epomophorus wahlbergi (Sundevall, 1846): 15, *Kerivoula argentata* Tomes, 1861: 1, *Miniopterus natalensis* (A. Smith, 1833): 2, *Neoromicia* Roberts, 1926: 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Otomops martiensseni* (Matschie, 1897): 1, *Pipistrellus* Kaup, 1829: 5, *Rhinolophus clivosus* Cretzschmar, 1828: 8, *Rhinolophus lobatus* Peters, 1852: 25, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, [60].

Mozambique:
Epomophorus wahlbergi (Sundevall, 1846): 9, [9].

Namibia:
Miniopterus natalensis (A. Smith, 1833): 1, *Neoromicia capensis* (A. Smith, 1829): 14, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 28, *Rhinolophus fumigatus* Rüppell, 1842: 9, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, [53].

Niger:
Chaerephon major (Trouessart, 1897): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 2, *Eidolon helvum helvum* (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 4, *Hipposideros ruber* (Noack, 1893): 2, *Hipposideros tephrus* (Cabrera, 1906): 11, *Mops (Mops) condylurus* (A. Smith, 1833): 8, *Neoromicia rendalli* (Thomas, 1889): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 10, *Tadarida* Rafinesque, 1814: 5, [45].

Senegal:
Scotophilus nigrita (Schreber, 1774): 1, [1].

South Africa:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 4, *Miniopterus natalensis* (A. Smith, 1833): 23, *Neoromicia capensis* (A. Smith, 1829): 7, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 9, *Rhinolophus capensis* Lichtenstein, 1823: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 56, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, [104].

Uganda:
Chaerephon aloysiisabaudiae (Festa, 1907): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Eidolon helvum* (Kerr, 1792): 1, *Hipposideros ruber* (Noack, 1893): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Nycteris hispida* (Schreber, 1774): 1, *Pipistrellus rueppellii fuscipes* Thomas, 1913: 4, [11].

Zambia:
Hipposideros caffer (Sundevall, 1846): 23, [23].

Total Specimens for MVZ: 573

MWSU: Midwestern State University, Dept. Biology, Wichita Falls

Kenya:
Epomophorus wahlbergi (Sundevall, 1846): 1, [1].

Mozambique:
Epomophorus wahlbergi (Sundevall, 1846): 6, [6].

Total Specimens for MWSU: 7

MZS: Musée zoologique de l'ULP (Université Louis Pasteur) et de la ville de Strasbourg

Tanzania:
Pipistrellus permixtus Aellen, 1957: 1, [1].

Total Specimens for MZS: 1

MZUF: Museo Zoologico de "la Specola", Firenze

"Africa":
Neoromicia somalica (Thomas, 1901): 1, [1].

Angola:
Epomophorus angolensis Gray, 1870: 1, [1].
Cape Verde:
Hypsugo savii (Bonaparte, 1837): 4, *Miniopterus inflatus* Thomas, 1903: 2, *Pipistrellus hesperidus* (Temminck, 1840): 1, [7].
Egypt:
Plecotus christii Gray, 1838: 1, [1].
Eritrea:
Epomophorus labiatus (Temminck, 1837): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia somalica* (Thomas, 1901): 9, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 11, *Rhinolophus clivosus* Cretzschmar, 1828: 1, [23].
Ethiopia:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 4, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Triaenops afer* Peters, 1877: 2, [9].
Kenya:
Triaenops afer Peters, 1877: 1, [1].
Madagascar:
Triaenops menamena Goodman and Ranivo, 2009: 1, [1].
Somalia:
Epomophorus minimus Claessen & De Vree, 1991: 13, *Epomophorus wahlbergi* (Sundevall, 1846): 5, *Neoromicia helios* (Heller, 1912): 1, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris aurita* (K. Andersen, 1912): 6, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 6, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinopoma cystops* Thomas, 1903: 10, *Rhinopoma macinnesi* Hayman, 1937: 15, *Triaenops afer* Peters, 1877: 10, [71].
South Africa:
Neoromicia capensis (A. Smith, 1829): 1, [1].

Total Specimens for MZUF: 116

MZUSP: Museu de Zoologia da Universidade de São Paulo

"Africa":
Chaerephon pumilus (Cretzschmar, 1826): 5, *Mops (Mops) condylurus* (A. Smith, 1833): 2, [7].

Total Specimens for MZUSP: 7

NAU: Northern Arizona University (Museum of Vertebrates)

Kenya:
Neoromicia helios (Heller, 1912): 10, [10].

Total Specimens for NAU: 10

NCSM: North Carolina Museum of Natural Sciences

"Africa":
Micropteropus pusillus (Peters, 1868): 1, [1].

Total Specimens for NCSM: 1

NHMZ: Natural History Museum of Zimbabwe, Bulawayo

"Africa":
Nycticeinops schlieffenii (Peters, 1859): 1, *Scotophilus* Leach, 1821: 43, [44].
Angola:
Chaerephon chapini J.A. Allen, 1917: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, [4].
Botswana:
Chaerephon chapini J.A. Allen, 1917: 1, *Chaerephon nigeriae* Thomas, 1913: 5, *Chaerephon pumilus* (Cretzschmar, 1826): 8, *Epomophorus crypturus* Peters, 1852: 8, *Epomophorus dobsonii* Bocage, 1889: 1, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros caffer* (Sundevall, 1846): 1, *Hypsugo anchietae* (Seabra, 1900): 1, *Kerivoula lanosa* (A. Smith, 1847): 2, *Laephotis botswanae* Setzer, 1971: 1, *Macronycteris vittatus* (Peters, 1852): 17, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) midas* (Sundevall, 1843): 3, *Neoromicia capensis* (A. Smith, 1829): 38, *Neoromicia nana* (Peters, 1852): 3, *Neoromicia rendalli* (Thomas, 1889): 1, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 1, *Neoromicia zuluensis* (Roberts, 1924): 4, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 13, *Nycticeinops schlieffenii* (Peters, 1859): 7, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Pipistrellus rusticus* (Tomes, 1861): 15, *Rhinolophus darlingi* K. Andersen, 1905: 4, *Rhinolophus denti* Thomas, 1904: 4, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, *Sauromys petrophilus* (Roberts, 1917): 1, *Scotophilus dinganii* (A. Smith, 1833): 9, *Scotophilus leucogaster* (Cretzschmar, 1826): 6, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [169].
Ethiopia:
Hypsugo anchietae (Seabra, 1900): 1, [1].
Kenya:
Tadarida lobata (Thomas, 1891): 1, [1].
Malawi:
Chaerephon bivittatus (Heuglin, 1861): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Kerivoula argentata* Tomes, 1861: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 8, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia nana* (Peters, 1852): 2, *Nycteris macrotis* Dobson, 1876: 2, *Rhinolophus*

smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [21].

Mozambique:

Chaerephon pumilus (Cretzschmar, 1826): 9, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 4, *Hypsugo anchietae* (Seabra, 1900): 1, *Kerivoula argentata* Tomes, 1861: 1, *Macronycteris vittatus* (Peters, 1852): 6, *Mimetillus thomasi* Hinton, 1920: 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 8, *Myonycteris angolensis goliath* (Bergmans, 1997): 1, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia nana* (Peters, 1852): 9, *Neoromicia zuluensis* (Roberts, 1924): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Nycticeinops schlieffenii* (Peters, 1859): 5, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus lobatus* Peters, 1852: 4, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotoecus albigula* Thomas, 1909: 1, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotoecus hindei* Thomas, 1901: 1, *Scotophilus dinganii* (A. Smith, 1833): 5, *Scotophilus viridis* (Peters, 1852): 5, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops afer* Peters, 1877: 7, [94].

Namibia:

Eptesicus hottentotus (A. Smith, 1833): 2, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia zuluensis* (Roberts, 1924): 11, *Sauromys petrophilus* (Roberts, 1917): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [17].

South Africa:

CHIROPTERA Blumenbach, 1779: 1, *Kerivoula lanosa* (A. Smith, 1847): 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Myotis tricolor* (Temminck, 1832): 1, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus capensis* Lichtenstein, 1823: 4, *Rhinolophus clivosus* Cretzschmar, 1828: 3, *Rhinolophus swinnyi* Gough, 1908: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotophilus viridis* (Peters, 1852): 3, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [25].

Tanzania:

Epomophorus labiatus (Temminck, 1837): 1, [1].

Zambia:

Chaerephon chapini J.A. Allen, 1917: 1, *Chaerephon nigeriae* Thomas, 1913: 5, *Chaerephon pumilus* (Cretzschmar, 1826): 5, *Cloeotis percivali* Thomas, 1901: 11, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus crypturus* Peters, 1852: 3, *Epomophorus dobsonii* Bocage, 1889: 13, *Epomophorus labiatus* (Temminck, 1837): 11, *Epomophorus wahlbergi* (Sundevall, 1846): 5, *Eptesicus hottentotus* (A. Smith, 1833): 1, *Glauconycteris variegata* (Tomes, 1861): 4, *Hipposideros caffer* (Sundevall, 1846): 13, *Hipposideros ruber* (Noack, 1893): 3, *Hypsugo anchietae* (Seabra, 1900): 8, *Kerivoula argentata* Tomes, 1861: 1, *Kerivoula lanosa* (A. Smith, 1847): 1, *Laephotis botswanae* Setzer, 1971: 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Macronycteris vittatus* (Peters, 1852): 30, *Mimetillus thomasi* Hinton, 1920: 1, *Miniopterus natalensis* (A. Smith, 1833): 9, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Mops (Mops) midas* (Sundevall, 1843): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 17, *Myonycteris angolensis* (Bocage, 1898): 1, *Myonycteris torquata* (Dobson, 1878): 1, *Myotis bocagii* (Peters, 1870): 2, *Neoromicia capensis* (A. Smith, 1829): 8, *Neoromicia nana* (Peters, 1852): 24, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 3, *Neoromicia zuluensis* (Roberts, 1924): 4, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 5, *Nycteris macrotis* Dobson, 1876: 5, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 41, *Nycteris woodi* K. Andersen, 1914: 10, *Nycticeinops schlieffenii* (Peters, 1859): 9, *Pipistrellus hesperidus* (Temminck, 1840): 5, *Pipistrellus rueppellii* (Fischer, 1829): 4, *Pipistrellus rusticus* (Tomes, 1861): 2, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinolophus rhodesiae* Roberts, 1946: 9, *Rhinolophus sakejiensis* Cotterill, 2002: 2, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 5, *Scotoecus albigula* Thomas, 1909: 9, *Scotophilus dinganii* (A. Smith, 1833): 7, *Scotophilus leucogaster* (Cretzschmar, 1826): 3, *Scotophilus viridis* (Peters, 1852): 3, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, *Triaenops afer* Peters, 1877: 1, [333].

Zimbabwe:

Chaerephon ansorgei (Thomas, 1913): 22, *Chaerephon bivittatus* (Heuglin, 1861): 10, *Chaerephon chapini* J.A. Allen, 1917: 1, *Chaerephon nigeriae* Thomas, 1913: 7, *Chaerephon pumilus* (Cretzschmar, 1826): 21, *Cloeotis percivali* Thomas, 1901: 61, *Eidolon helvum* (Kerr, 1792): 12, *Epomophorus crypturus* Peters, 1852: 22, *Epomophorus wahlbergi* (Sundevall, 1846): 8, *Eptesicus hottentotus* (A. Smith, 1833): 21, *Glauconycteris variegata* (Tomes, 1861): 6, *Hipposideros caffer* (Sundevall, 1846): 458, *Hypsugo anchietae* (Seabra, 1900): 30, *Kerivoula argentata* Tomes, 1861: 5, *Kerivoula lanosa* (A. Smith, 1847): 1, *Laephotis botswanae* Setzer, 1971: 7, *Macronycteris vittatus* (Peters, 1852): 127, *Miniopterus inflatus* Thomas, 1903: 4, *Miniopterus natalensis* (A. Smith, 1833): 48, *Mops (Mops) condylurus* (A. Smith, 1833): 39, *Mops (Mops) midas* (Sundevall, 1843): 38, *Myonycteris angolensis goliath* (Bergmans, 1997): 10, *Myonycteris relicta* Bergmans, 1980: 1, *Myotis bocagii* (Peters, 1870): 8, *Myotis tricolor* (Temminck, 1832): 14, *Myotis welwitschii* (Gray, 1866): 7, *Neoromicia capensis* (A. Smith, 1829): 114, *Neoromicia nana* (Peters, 1852): 53, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 2, *Neoromicia zuluensis* (Roberts, 1924): 35, *Nycteris grandis* Peters, 1865: 5, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 7, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 76, *Nycteris woodi* K. Andersen, 1914: 22, *Nycticeinops schlieffenii* (Peters, 1859): 59, *Otomops martiensseni* (Matschie, 1897): 1, *Pipistrellus hesperidus* (Temminck, 1840): 9, *Pipistrellus rueppellii* (Fischer, 1829): 15, *Pipistrellus rusticus* (Tomes, 1861): 25, *Rhinolophus blasii* Peters, 1867: 27, *Rhinolophus clivosus* Cretzschmar, 1828: 40, *Rhinolophus darlingi* K. Andersen, 1905: 59, *Rhinolophus fumigatus* Rüppell, 1842: 26, *Rhinolophus lobatus* Peters, 1852: 15, *Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 23, *Rhinolophus rhodesiae* Roberts, 1946: 24, *Rhinolophus simulator* K. Andersen, 1904: 22, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 93, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 17, *Sauromys petrophilus* (Roberts, 1917): 18, *Scotophilus* Leach, 1821: 2, *Scotophilus dinganii* (A. Smith, 1833): 92, *Scotophilus leucogaster* (Cretzschmar, 1826): 16, *Scotophilus viridis* (Peters, 1852): 9, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 34, *Tadarida fulminans* (Thomas, 1903): 63, *Tadarida lobata* (Thomas, 1891): 9, *Tadarida ventralis* (Heuglin, 1861): 3, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 33, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 5, *Triaenops afer* Peters, 1877: 1, [2044].

Total Specimens for NHMZ: 2754

NM: Durban Natural Science Museum, Durban (Pringle Collection)

South Africa:
Chaerephon nigeriae Thomas, 1913: 1, *Kerivoula lanosa* (A. Smith, 1847): 1, *Neoromicia capensis* (A. Smith, 1829): 3, *Neoromicia nana* (Peters, 1852): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 6, [13].

Total Specimens for NM: 13

NMB: National Museum of Bloemfontein

"Africa":
Eidolon helvum (Kerr, 1792): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, [2].
Lesotho:
Cistugo lesueuri Roberts, 1919: 49, *Eptesicus hottentotus* (A. Smith, 1833): 5, *Laephotis wintoni* Thomas, 1901: 5, *Miniopterus natalensis* (A. Smith, 1833): 2, *Myotis tricolor* (Temminck, 1832): 10, *Neoromicia capensis* (A. Smith, 1829): 12, *Rhinolophus clivosus* Cretzschmar, 1828: 21, *Rhinolophus darlingi* K. Andersen, 1905: 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, [108].
South Africa:
Cistugo lesueuri Roberts, 1919: 16, *Eidolon helvum* (Kerr, 1792): 9, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Eptesicus hottentotus* (A. Smith, 1833): 1, *Laephotis wintoni* Thomas, 1901: 2, *Miniopterus natalensis* (A. Smith, 1833): 145, *Myotis tricolor* (Temminck, 1832): 10, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia capensis* (A. Smith, 1829): 285, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Pipistrellus* Kaup, 1829: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 118, *Rhinolophus damarensis* Roberts, 1946: 1, *Rhinolophus denti* Thomas, 1904: 18, *Scotophilus dinganii* (A. Smith, 1833): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 95, [709].
Swaziland:
Hipposideros caffer (Sundevall, 1846): 5, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia nana* (Peters, 1852): 7, *Scotophilus dinganii* (A. Smith, 1833): 4, [18].

Total Specimens for NMB: 837

NMBA: Naturhistorisches Museum, Basel

Angola:
Micropteropus pusillus (Peters, 1868): 3, [3].
Congo (Democratic Republic of the):
Epomophorus wahlbergi (Sundevall, 1846): 2, [2].
Ghana:
Epomops buettikoferi (Matschie, 1899): 1, [1].
Guinea-Bissau:
Coleura afra (Peters, 1852): 2, *Macronycteris gigas* (Wagner, 1845): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Nycteris macrotis* Dobson, 1876: 1, [8].

Total Specimens for NMBA: 14

NMBE: Naturhistorisches Museum, Bern

"Africa":
Coleura afra (Peters, 1852): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Neoromicia tenuipinnis* (Peters, 1872): 7, *Nycteris macrotis* Dobson, 1876: 1, [13].
Sierra Leone:
Neoromicia nana (Peters, 1852): 4, *Nycteris hispida* (Schreber, 1774): 2, [6].
Tanzania:
Epomophorus labiatus (Temminck, 1837): 2, [2].

Total Specimens for NMBE: 21

NMK: National Museum of Kenya, Nairobi

"Africa":
Mops rusingae (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002): 1, [1].
Kenya:
Coleura afra (Peters, 1852): 15, *Eidolon helvum* (Kerr, 1792): 1, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Myotis bocagii* (Peters, 1870): 6, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 6, *Scotoecus hirundo* (de Winton, 1899): 1, *Taphozous hamiltoni* Thomas, 1920: 3, [36].
Tanzania:
Coleura afra (Peters, 1852): 6, *Pteropus seychellensis* A. Milne-Edwards, 1877: 1, [7].
Uganda:
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818: 2, [2].

Total Specimens for NMK: 46

NMMB: National Museum of Malawi

Malawi:
Epomophorus anselli Bergmans and Van Strien, 2004: 4, *Epomophorus crypturus* Peters, 1852: 14, *Epomophorus labiatus* (Temminck, 1837): 11, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Tadarida ventralis* (Heuglin, 1861): 1, [33].

Total Specimens for NMMB: 33

NMP: National Museum (Natural History), Prague

Benin:
Hipposideros abae J.A. Allen, 1917: 2, *Hipposideros jonesi* Hayman, 1947: 1, *Hipposideros ruber* (Noack, 1893): 3, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Scotophilus nigrita* (Schreber, 1774): 1, [9].
Congo (Democratic Republic of the):
Neoromicia nana (Peters, 1852): 1, [1].
Egypt:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Hypsugo ariel* (Thomas, 1904): 1, *Otonycteris hemprichii* Peters, 1859: 10, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Plecotus christii* Gray, 1838: 12, *Rhinolophus clivosus* Cretzschmar, 1828: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 14, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 6, *Tadarida teniotis* (Rafinesque, 1814): 7, *Taphozous nudiventris* Cretzschmar, 1830: 9, [67].
Ethiopia:
Chaerephon pumilus (Cretzschmar, 1826): 10, *Miniopterus africanus* Sanborn, 1936: 2, *Miniopterus natalensis* (A. Smith, 1833): 2, *Neoromicia somalica* (Thomas, 1901): 3, *Nycteris macrotis* Dobson, 1876: 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 6, *Pipistrellus hesperidus* (Temminck, 1840): 9, *Rhinolophus clivosus* Cretzschmar, 1828: 6, *Rhinolophus landeri* Martin, 1838: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Triaenops afer* Peters, 1877: 12, [57].
Ghana:
Scotophilus nucella Robbins, 1983: 1, [1].
Libya:
Eptesicus isabellinus (Temminck, 1840): 8, *Miniopterus horaceki* Gunnell, Eiting, and Geraads, 2011: 5, *Otonycteris hemprichii* Peters, 1859: 2, *Pipistrellus hanaki* Hulva and Benda, 2004: 11, *Pipistrellus kuhlii* (Kuhl, 1817): 10, *Plecotus christii* Gray, 1838: 2, *Plecotus teneriffae* Barrett-Hamilton, 1907: 7, *Rhinolophus ferrumequinum* (Schreber, 1774): 2, *Rhinopoma cystops* Thomas, 1903: 2, *Tadarida teniotis* (Rafinesque, 1814): 6, [55].
Malawi:
Hipposideros ruber (Noack, 1893): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 3, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, [6].
Mauritania:
Nycteris macrotis Dobson, 1876: 1, [1].
Morocco:
Eptesicus isabellinus (Temminck, 1840): 2, *Hipposideros tephrus* (Cabrera, 1906): 2, *Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014: 15, *Miniopterus schreibersii* (Kuhl, 1817): 16, *Nyctalus leisleri* (Kuhl, 1817): 8, *Otonycteris hemprichii* Peters, 1859: 4, *Pipistrellus kuhlii* (Kuhl, 1817): 3, *Pipistrellus pipistrellus* (Schreber, 1774): 7, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus blasii* Peters, 1867: 10, *Rhinolophus ferrumequinum* (Schreber, 1774): 1, *Rhinolophus hipposideros* (Bechstein, 1800): 3, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Tadarida teniotis* (Rafinesque, 1814): 4, [77].
Namibia:
Laephotis botswanae Setzer, 1971: 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia zuluensis* (Roberts, 1924): 2, *Pipistrellus rusticus* (Tomes, 1861): 5, [10].
South Africa:
Neoromicia capensis (A. Smith, 1829): 1, *Neoromicia zuluensis* (Roberts, 1924): 1, [2].
Sudan:
Plecotus christii Gray, 1838: 1, *Taphozous nudiventris* Cretzschmar, 1830: 2, [3].
Tanzania:
Hipposideros caffer (Sundevall, 1846): 3, [3].
Zambia:
Laephotis botswanae Setzer, 1971: 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 2, [4].

Total Specimens for NMP: 296

NMR: Natuurhistorisch Museum Rotterdam

Egypt:
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): 1, [1].
Mauritius:
Pteropus rodricensis Dobson, 1878: 1, [1].
Mozambique:
Miniopterus natalensis (A. Smith, 1833): 1, [1].
Namibia:
Scotophilus leucogaster (Cretzschmar, 1826): 2, [2].

Total Specimens for NMR: 5

NMV: Museums Victoria

Algeria:
Myotis punicus Felten, 1977: 1, [1].
Cameroon:
Hipposideros ruber (Noack, 1893): 3, *Macronycteris gigas* (Wagner, 1845): 2, [5].
Egypt:
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): 1, [1].
Madagascar:
Eidolon dupreanum (Schegel, 1867): 1, *Miniopterus* Bonaparte, 1837: 2, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 2, [5].
Nigeria:
Nycteris hispida (Schreber, 1774): 1, [1].
Sudan:
Eidolon helvum (Kerr, 1792): 1, [1].

Total Specimens for NMV: 14

NMW: Naturhistorisches Museum, Wien

"Africa":
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, [1].
Comoros:
Pteropus seychellensis A. Milne-Edwards, 1877: 2, [2].
Congo (Democratic Republic of the):
Epomophorus labiatus (Temminck, 1837): 1, *Epomops franqueti* (Tomes, 1860): 3, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Kerivoula smithii* Thomas, 1880: 3, *Nycteris arge* Thomas, 1903: 1, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 3, [13].
Egypt:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus kuhlii* (Kuhl, 1817): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Tadarida teniotis* (Rafinesque, 1814): 1, *Taphozous nudiventris* Cretzschmar, 1830: 2, [6].
Equatorial Guinea:
Hypsignathus monstrosus H. Allen, 1862: 2, [2].
Ethiopia:
Epomophorus labiatus (Temminck, 1837): 1, *Epomophorus minimus* Claessen & De Vree, 1991: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Kerivoula lanosa* (A. Smith, 1847): 1, [4].
Ghana:
Epomophorus gambianus (Ogilby, 1835): 20, *Hypsignathus monstrosus* H. Allen, 1862: 2, [22].
Guinea:
Nycteris hispida (Schreber, 1774): 1, [1].
Kenya:
Myotis welwitschii (Gray, 1866): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, [2].
Libya:
Plecotus teneriffae Barrett-Hamilton, 1907: 17, *Tadarida teniotis* (Rafinesque, 1814): 13, [30].
Madagascar:
Miniopterus manavi Thomas, 1906: 3, *Neoromicia matroka* (Thomas and Schwann, 1905): 1, *Neoromicia somalica* (Thomas, 1901): 1, [5].
Morocco:
Plecotus teneriffae Barrett-Hamilton, 1907: 12, *Rhinolophus blasii* Peters, 1867: 36, [48].
Mozambique:
Neoromicia nana (Peters, 1852): 1, [1].
Namibia:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 3, [3].
Senegal:
Nycteris macrotis Dobson, 1876: 6, [6].
Sierra Leone:
Epomops buettikoferi (Matschie, 1899): 1, [1].
South Africa:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 3, *Rhinolophus clivosus* Cretzschmar, 1828: 7, [10].
South Sudan:
Nycteris hispida (Schreber, 1774): 17, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, [19].
Sudan:
Neoromicia guineensis (Bocage, 1889): 1, *Nycteris hispida* (Schreber, 1774): 12, *Nycteris macrotis* Dobson, 1876: 6, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Otonycteris hemprichii* Peters, 1859: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, [24].
Tanzania:
Epomophorus crypturus Peters, 1852: 1, *Epomophorus labiatus* (Temminck, 1837): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Kerivoula argentata* Tomes, 1861: 1, *Laephotis botswanae* Setzer, 1971: 1, *Nycteris hispida* (Schreber, 1774): 1, *Pteropus seychellensis* A. Milne-Edwards, 1877: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, [11].
Uganda:
Epomophorus labiatus (Temminck, 1837): 1, [1].

Total Specimens for NMW: 212

NMZL: National Museum of Zambia, Livingstone

Congo (Democratic Republic of the):
Otomops martiensseni (Matschie, 1897): 1, *Rhinolophus hildebrandtii* Peters, 1878: 1, [2].
Malawi:
Epomophorus wahlbergi (Sundevall, 1846): 4, *Otomops martiensseni* (Matschie, 1897): 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, [8].
Mozambique:
Miniopterus natalensis (A. Smith, 1833): 1, [1].
Tanzania:
Myotis welwitschii (Gray, 1866): 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, [2].
Zambia:
Chaerephon nigeriae Thomas, 1913: 1, *Chaerephon nigeriae spillmanni* (Monard, 1933): 2, *Chaerephon pumilus* (Cretzschmar, 1826): 5, *Cloeotis percivali* Thomas, 1901: 4, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus crypturus* Peters, 1852: 5, *Epomophorus dobsonii* Bocage, 1889: 1, *Epomophorus minor* Dobson, 1880: 6, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 7, *Hypsugo anchietae* (Seabra, 1900): 2, *Kerivoula argentata* Tomes, 1861: 1, *Laephotis angolensis* Monard, 1935: 1, *Macronycteris vittatus* (Peters, 1852): 1, *Micropteropus pusillus* (Peters, 1868): 1, *Miniopterus inflatus* Thomas, 1903: 2, *Miniopterus natalensis* (A. Smith, 1833): 5, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) midas* (Sundevall, 1843): 3, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 1, *Myonycteris angolensis* (Bocage, 1898): 1, *Myotis welwitschii* (Gray, 1866): 2, *Neoromicia capensis* (A. Smith, 1829): 11, *Neoromicia nana* (Peters, 1852): 7, *Neoromicia rendalli* (Thomas, 1889): 3, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 1, *Neoromicia zuluensis* (Roberts, 1924): 2, *Nycteris hispida* (Schreber, 1774): 6, *Nycteris macrotis* Dobson, 1876: 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 10, *Nycteris woodi* K. Andersen, 1914: 2, *Nycticeinops schlieffenii* (Peters, 1859): 4, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Pipistrellus rusticus* (Tomes, 1861): 2, *Rhinolophus rhodesiae* Roberts, 1946: 1, *Rhinolophus simulator* K. Andersen, 1904: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotoecus hindei* Thomas, 1901: 3, *Scotophilus dinganii* (A. Smith, 1833): 14, *Scotophilus leucogaster* (Cretzschmar, 1826): 17, *Tadarida ventralis* (Heuglin, 1861): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 7, *VESPERTILIONIDAE* Gray, 1821: 1, [157].

Total Specimens for NMZL: 170

NRM: Naturhistoriska Riksmuseet Stockholm

Kenya:
Epomophorus wahlbergi (Sundevall, 1846): 2, *Neoromicia nana* (Peters, 1852): 14, [16].
South Africa:
Epomophorus wahlbergi (Sundevall, 1846): 2, *Rhinolophus capensis* Lichtenstein, 1823: 1, *Scotophilus dinganii* (A. Smith, 1833): 2, [5].
Tunisia:
Pipistrellus kuhlii (Kuhl, 1817): 2, [2].

Total Specimens for NRM: 23

OMNH: Sam Noble Oklahoma Museum of Natural History

Egypt:
CHIROPTERA Blumenbach, 1779: 2, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 20, *Otonycteris hemprichii* Peters, 1859: 1, *Pipistrellus kuhlii* (Kuhl, 1817): 8, *Rhinopoma cystops* Thomas, 1903: 21, *Rhinopoma microphyllum* (Brünnich, 1782): 21, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 37, [113].
Kenya:
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015: 1, [1].
Uganda:
Eidolon helvum (Kerr, 1792): 1, [1].

Total Specimens for OMNH: 115

ORSTOM: Laboratoire d'Ecologie des Mammiferes et des Oiseaux, Centre O.R.S.T.O.M. d'Adiopodoume

"Africa":
Eidolon helvum (Kerr, 1792): 3, *Epomops franqueti* (Tomes, 1860): 6, *Micropteropus pusillus* (Peters, 1868): 1, [10].
Côte d'Ivoire:
Eidolon helvum (Kerr, 1792): 1, *Epomops buettikoferi* (Matschie, 1899): 76, *Epomops franqueti* (Tomes, 1860): 37, *Hypsignathus monstrosus* H. Allen, 1862: 12, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 2, *Micropteropus pusillus* (Peters, 1868): 30, *Myonycteris angolensis smithii* (Thomas, 1908): 5, *Myonycteris leptodon* K. Andersen, 1908: 52, *Nanonycteris veldkampii* (Jentink, 1888): 20, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotonycteris occidentalis* Hayman, 1947: 1, [238].

Total Specimens for ORSTOM: 248

OSU: Oklahoma State University

Congo (Democratic Republic of the):
Epomophorus crypturus Peters, 1852: 1, [1].
Ethiopia:

Epomophorus minimus Claessen & De Vree, 1991: 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, [7].

South Africa:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, [1].

Total Specimens for OSU: 9

PCMB: Powell Cotton Museum

Cameroon:
Epomops franqueti (Tomes, 1860): 5, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Myonycteris torquata* (Dobson, 1878): 1, [7].

Total Specimens for PCMB: 7

PSM: Slater Museum of Natural History, University of Puget Sound

Tanzania:
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: 1, [1].

Total Specimens for PSM: 1

QM: Queensland Museum

Côte d'Ivoire:
Scotophilus nigrita (Schreber, 1774): 1, [1].

Kenya:
Cardioderma cor (Peters, 1872): 2, *Chaerephon pumilus* (Cretzschmar, 1826): 2, *Coleura afra* (Peters, 1852): 2, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, *Triaenops afer* Peters, 1877: 2, [16].

Namibia:
Macronycteris vittatus (Peters, 1852): 2, *Miniopterus natalensis* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [5].

Zambia:
Epomophorus crypturus Peters, 1852: 1, *Hipposideros caffer* (Sundevall, 1846): 2, *Rhinolophus lobatus* Peters, 1852: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, [6].

Total Specimens for QM: 28

RBINS: Royal Belgian Institute for Natural Sciences

"Africa":
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus kuhlii* (Kuhl, 1817): 1, *Saccolaimus peli* (Temminck, 1853): 1, *Taphozous nudiventris* Cretzschmar, 1830: 1, [4].

Algeria:
Pipistrellus kuhlii (Kuhl, 1817): 1, [1].

Angola:
Hipposideros caffer (Sundevall, 1846): 1, *Mimetillus moloneyi* (Thomas, 1891): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [3].

Burundi:
Chaerephon pumilus (Cretzschmar, 1826): 4, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus labiatus* (Temminck, 1837): 43, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Neoromicia nana* (Peters, 1852): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus dinganii* (A. Smith, 1833): 2, [53].

Cameroon:
Megaloglossus woermanni Pagenstecher, 1885: 2, [2].

Chad:
Eidolon helvum (Kerr, 1792): 1, [1].

Congo (Democratic Republic of the):
Chaerephon aloysiisabaudiae (Festa, 1907): 1, *Chaerephon ansorgei* (Thomas, 1913): 14, *Chaerephon chapini* J.A. Allen, 1917: 2, *Chaerephon major* (Trouessart, 1897): 4, *Chaerephon nigeriae* Thomas, 1913: 2, *Chaerephon nigeriae nigeriae* Thomas, 1913: 4, *Chaerephon pumilus* (Cretzschmar, 1826): 35, *Cloeotis percivali* Thomas, 1901: 11, *Coleura afra* (Peters, 1852): 9, *Doryrhina cyclops* (Temminck, 1853): 34, *Eidolon helvum* (Kerr, 1792): 25, *Epomophorus* Bennett, 1836: 4, *Epomophorus crypturus* Peters, 1852: 14, *Epomophorus dobsonii* Bocage, 1889: 12, *Epomophorus labiatus* (Temminck, 1837): 34, *Epomophorus minor* Dobson, 1880: 4, *Epomophorus wahlbergi* (Sundevall, 1846): 6, *Epomops franqueti* (Tomes, 1860): 7, *Glauconycteris alboguttata* J.A. Allen, 1917: 1, *Glauconycteris argentata* (Dobson, 1875): 22, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros abae* J.A. Allen, 1917: 162, *Hipposideros beatus* (K. Andersen, 1906): 16, *Hipposideros caffer* (Sundevall, 1846): 127, *Hipposideros ruber* (Noack, 1893): 203, *Hypsignathus monstrosus* H. Allen, 1862: 12, *Kerivoula argentata* Tomes, 1861: 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 62, *Macronycteris gigas* (Wagner, 1845): 1, *Macronycteris vittatus* (Peters, 1852): 3, *Micropteropus pusillus* (Peters, 1868): 11, *Mimetillus moloneyi* (Thomas, 1891): 4, *Miniopterus fraterculus* Thomas and Schwann, 1906: 10, *Miniopterus inflatus* Thomas, 1903: 10, *Miniopterus minor* Peters, 1867: 1, *Miniopterus natalensis* (A. Smith, 1833): 75, *Mops (Mops) condylurus* (A. Smith, 1833): 42, *Mops (Mops) demonstrator* (Thomas, 1903): 23, *Mops (Mops) midas* (Sundevall, 1843): 22, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 23, *Myonycteris angolensis* (Bocage, 1898): 5, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 5, *Myonycteris torquata* (Dobson, 1878): 1, *Myonycteris torquata wroughtoni* K. Andersen, 1908: 2, *Myopterus whitleyi* (Scharff, 1900): 3, *Myotis bocagii* (Peters, 1870): 9, *Myotis bocagii cupreolus* Thomas, 1904: 1, *Myotis welwitschii* (Gray, 1866): 4, *Neoromicia* Roberts, 1926: 7,

Neoromicia capensis (A. Smith, 1829): 18, *Neoromicia nana* (Peters, 1852): 116, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia tenuipinnis* (Peters, 1872): 15, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 3, *Nycteris arge* Thomas, 1903: 13, *Nycteris grandis* Peters, 1865: 2, *Nycteris hispida* (Schreber, 1774): 83, *Nycteris intermedia* Aellen, 1959: 1, *Nycteris macrotis* Dobson, 1876: 48, *Nycteris nana* (K. Andersen, 1912): 30, *Nycteris parisii* (de Beaux, 1924): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Nycticeinops schlieffenii* (Peters, 1859): 14, *Otomops martiensseni* (Matschie, 1897): 2, *Plerotes anchietae* (Seabra, 1900): 2, *Rhinolophus* Lacépède, 1799: 37, *Rhinolophus alcyone* Temminck, 1853: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus fumigatus* Rüppell, 1842: 14, *Rhinolophus hildebrandtii* Peters, 1878: 50, *Rhinolophus lobatus* Peters, 1852: 18, *Rhinolophus rhodesiae* Roberts, 1946: 17, *Rhinolophus ruwenzorii* J. Eric Hill, 1942: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 26, *Saccolaimus peli* (Temminck, 1853): 1, *Scotophilus dinganii* (A. Smith, 1833): 14, *Scotophilus nigrita* (Schreber, 1774): 1, *Scotophilus nux* Thomas, 1904: 3, *Stenonycteris lanosus* (Thomas, 1906): 5, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 37, *Taphozous nudiventris* Cretzschmar, 1830: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous perforatus sudani* Thomas, 1915: 9, [1687].

Egypt:
Rhinopoma cystops Thomas, 1903: 1, *Rhinopoma microphyllum* (Brünnich, 1782): 1, [2].

Guinea:
Myonycteris leptodon K. Andersen, 1908: 1, [1].

Liberia:
Eidolon helvum (Kerr, 1792): 1, *Epomops buettikoferi* (Matschie, 1899): 11, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 6, *Myonycteris angolensis smithii* (Thomas, 1908): 14, *Myonycteris leptodon* K. Andersen, 1908: 119, *Nanonycteris veldkampii* (Jentink, 1888): 36, *Neoromicia capensis* (A. Smith, 1829): 1, *Nycteris grandis* Peters, 1865: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 15, *Scotonycteris occidentalis* Hayman, 1947: 6, [212].

Libya:
Pipistrellus kuhlii (Kuhl, 1817): 1, [1].

Madagascar:
Eidolon dupreanum (Schegel, 1867): 1, [1].

Rwanda:
Chaerephon ansorgei (Thomas, 1913): 1, *Chaerephon chapini* J.A. Allen, 1917: 1, *Eidolon helvum* (Kerr, 1792): 6, *Epomophorus dobsonii* Bocage, 1889: 1, *Epomophorus labiatus* (Temminck, 1837): 15, *Hipposideros ruber* (Noack, 1893): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 4, *Miniopterus inflatus* Thomas, 1903: 2, *Mops (Mops) condylurus* (A. Smith, 1833): 45, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 25, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 20, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris macrotis* Dobson, 1876: 20, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Rhinolophus clivosus* Cretzschmar, 1828: 9, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Stenonycteris lanosus* (Thomas, 1906): 2, *Tadarida fulminans* (Thomas, 1903): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [163].

Senegal:
Eidolon helvum helvum (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 1, *Eptesicus platyops* (Thomas, 1901): 1, *Neoromicia nana* (Peters, 1852): 9, *Nycteris macrotis* Dobson, 1876: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 9, *Scotophilus viridis* (Peters, 1852): 1, [26].

South Africa:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, [1].

South Sudan:
Chaerephon major (Trouessart, 1897): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, [3].

Sudan:
Eidolon helvum (Kerr, 1792): 1, *Pipistrellus kuhlii* (Kuhl, 1817): 1, [2].

Tanzania:
Epomophorus labiatus (Temminck, 1837): 2, *Epomophorus minor* Dobson, 1880: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 4, *Nycteris arge* Thomas, 1903: 1, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 6, [25].

Zambia:
Epomophorus dobsonii Bocage, 1889: 1, *Nycteris major* (K. Andersen, 1912): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, [3].

Total Specimens for RBINS: 2191

Rennes: University of Rennes

Central African Republic:
Myopterus whitleyi (Scharff, 1900): 1, [1].

Total Specimens for Rennes: 1

RMCA: Royal Museum of Central Africa

"Africa":
Casinycteris argynnis Thomas, 1910: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *CHIROPTERA* Blumenbach, 1779: 1, *Eidolon helvum* (Kerr, 1792): 6, *Eidolon helvum helvum* (Kerr, 1792): 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Micropteropus pusillus* (Peters, 1868): 1, *Neoromicia nana* (Peters, 1852): 2, *Nyctalus* Bowdich, 1825: 1, *NYCTERIDAE* Van der Hoeven, 1855: 1, *Nycteris hispida* (Schreber, 1774): 1, *Pipistrellus* Kaup, 1829: 1, *Pteropus* Erxleben, 1777: 1, *Pteropus voeltzkowi* Matschie, 1909: 1, *RHINOLOPHIDAE* Gray, 1825: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 5, *Scotophilus* Leach, 1821: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous nudiventris* Cretzschmar, 1830: 1, [31].

Algeria:
Pipistrellus Kaup, 1829: 1, [1].

Angola:

Epomophorus angolensis Gray, 1870: 1, *Hipposideros ruber* (Noack, 1893): 2, *Miniopterus natalensis* (A. Smith, 1833): 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, [5].

Benin:

Chaerephon pumilus (Cretzschmar, 1826): 7, [7].

Burkina Faso:

Chaerephon pumilus (Cretzschmar, 1826): 2, *Hipposideros caffer* (Sundevall, 1846): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 2, *Nycteris arge* Thomas, 1903: 2, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 2, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Rhinolophus denti* Thomas, 1904: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 2, [19].

Burundi:

Chaerephon pumilus (Cretzschmar, 1826): 7, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus labiatus* (Temminck, 1837): 111, *Hipposideros ruber* (Noack, 1893): 5, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Macronycteris vittatus* (Peters, 1852): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 177, *Myonycteris angolensis* (Bocage, 1898): 1, *Neoromicia nana* (Peters, 1852): 4, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 2, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris nana* (K. Andersen, 1912): 1, *Rhinolophus hildebrandtii* Peters, 1878: 2, *Rousettinae* Andersen, 1912: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, *Scotophilus dinganii* (A. Smith, 1833): 9, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [332].

Cameroon:

Casinycteris argynnis Thomas, 1910: 4, *Chaerephon ansorgei* (Thomas, 1913): 92, *Chaerephon bemmeleni* (Jentink, 1879): 175, *Chaerephon major* (Trouessart, 1897): 138, *Chaerephon pumilus* (Cretzschmar, 1826): 166, *Doryrhina cyclops* (Temminck, 1853): 19, *Eidolon helvum* (Kerr, 1792): 103, *Epomophorus gambianus* (Ogilby, 1835): 231, *Epomops franqueti* (Tomes, 1860): 236, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros caffer* (Sundevall, 1846): 9, *Hipposideros camerunensis* Eisentraut, 1956: 8, *Hipposideros curtus* G.M. Allen, 1921: 1, *Hipposideros jonesi* Hayman, 1947: 2, *Hipposideros ruber* (Noack, 1893): 39, *Hypsignathus monstrosus* H. Allen, 1862: 5, *Kerivoula phalaena* Thomas, 1912: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 30, *Macronycteris vittatus* (Peters, 1852): 15, *Megaloglossus woermanni* Pagenstecher, 1885: 66, *Micropteropus pusillus* (Peters, 1868): 226, *Miniopterus inflatus* Thomas, 1903: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 120, *Mops (Mops) midas* (Sundevall, 1843): 3, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 2, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 2, *Myonycteris angolensis* (Bocage, 1898): 15, *Myonycteris torquata* (Dobson, 1878): 18, *Myotis bocagii* (Peters, 1870): 2, *Nanonycteris veldkampii* (Jentink, 1888): 2, *Neoromicia brunnea* (Thomas, 1880): 1, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia guineensis* (Bocage, 1889): 4, *Neoromicia nana* (Peters, 1852): 84, *Neoromicia rendalli* (Thomas, 1889): 8, *Neoromicia somalica* (Thomas, 1901): 4, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 5, *Nycteris grandis* Peters, 1865: 2, *Nycteris hispida* (Schreber, 1774): 190, *Nycteris intermedia* Aellen, 1959: 2, *Nycteris macrotis* Dobson, 1876: 12, *Nycteris nana* (K. Andersen, 1912): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 13, *Nycticeinops schlieffenii* (Peters, 1859): 5, *Pipistrellus nanulus* Thomas, 1904: 2, *Pipistrellus rueppellii* (Fischer, 1829): 22, *Pipistrellus rusticus* (Tomes, 1861): 3, *Rhinolophus alcyone* Temminck, 1853: 4, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus fumigatus* Rüppell, 1842: 44, *Rhinolophus hillorum* Koopman, 1989: 1, *Rhinolophus landeri* Martin, 1838: 3, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rhinopoma microphyllum* (Brünnich, 1782): 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 10, *Saccolaimus peli* (Temminck, 1853): 1, *Scotoecus hindei* Thomas, 1901: 5, *Scotoecus hirundo* (de Winton, 1899): 5, *Scotonycteris zenkeri* Matschie, 1894: 8, *Scotophilus dinganii* (A. Smith, 1833): 4, *Scotophilus leucogaster* (Cretzschmar, 1826): 113, *Scotophilus nux* Thomas, 1904: 1, *Scotophilus viridis* (Peters, 1852): 16, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 29, *Taphozous nudiventris* Cretzschmar, 1830: 79, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [2423].

Central African Republic:

Hypsignathus monstrosus H. Allen, 1862: 1, *Micropteropus pusillus* (Peters, 1868): 4, [5].

Chad:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Pipistrellus kuhlii* (Kuhl, 1817): 1, *Rhinopoma cystops* Thomas, 1903: 2, [4].

Comoros:

Chaerephon pumilus (Cretzschmar, 1826): 5, *Pteropus seychellensis* A. Milne-Edwards, 1877: 9, *Rousettus obliviosus* Kock, 1978: 107, [121].

Congo (Democratic Republic of the):

Casinycteris argynnis Thomas, 1910: 83, *Chaerephon aloysiisabaudiae* (Festa, 1907): 1, *Chaerephon ansorgei* (Thomas, 1913): 86, *Chaerephon bemmeleni* (Jentink, 1879): 1, *Chaerephon bivittatus* (Heuglin, 1861): 1, *Chaerephon major* (Trouessart, 1897): 7, *Chaerephon nigeriae* Thomas, 1913: 5, *Chaerephon nigeriae spillmanni* (Monard, 1933): 13, *Chaerephon pumilus* (Cretzschmar, 1826): 793, *Chaerephon russatus* J.A. Allen, 1917: 1, *CHIROPTERA* Blumenbach, 1779: 19, *Cloeotis percivali* Thomas, 1901: 2, *Coleura afra* (Peters, 1852): 6, *Doryrhina cyclops* (Temminck, 1853): 21, *Eidolon helvum* (Kerr, 1792): 293, *Epomophorus* Bennett, 1836: 1, *Epomophorus crypturus* Peters, 1852: 39, *Epomophorus dobsonii* Bocage, 1889: 3, *Epomophorus gambianus* (Ogilby, 1835): 1, *Epomophorus labiatus* (Temminck, 1837): 208, *Epomophorus minor* Dobson, 1880: 3, *Epomophorus wahlbergi* (Sundevall, 1846): 99, *Epomops franqueti* (Tomes, 1860): 400, *Glauconycteris* Dobson, 1875: 8, *Glauconycteris alboguttata* J.A. Allen, 1917: 1, *Glauconycteris argentata* (Dobson, 1875): 70, *Glauconycteris beatrix* Thomas, 1901: 9, *Glauconycteris poensis* (Gray, 1842): 2, *Glauconycteris superba* Hayman, 1939: 2, *Glauconycteris variegata* (Tomes, 1861): 22, *Hipposideros abae* J.A. Allen, 1917: 87, *Hipposideros beatus* (K. Andersen, 1906): 10, *Hipposideros caffer* (Sundevall, 1846): 11, *Hipposideros ruber* (Noack, 1893): 691, *Hypsignathus monstrosus* H. Allen, 1862: 115, *Hypsugo crassulus* (Thomas, 1904): 1, *Hypsugo musciculus* (Thomas, 1913): 1, *Kerivoula* Gray, 1842: 2, *Kerivoula cuprosa* Thomas, 1912: 3, *Kerivoula lanosa* (A. Smith, 1847): 3, *Kerivoula phalaena* Thomas, 1912: 1, *Kerivoula smithii* Thomas, 1880: 7, *Laephotis botswanae* Setzer, 1971: 6, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 84, *Macronycteris gigas* (Wagner, 1845): 5, *Macronycteris vittatus* (Peters, 1852): 21, *Megaloglossus woermanni* Pagenstecher, 1885: 237, *Micropteropus intermedius* Hayman, 1963: 4, *Micropteropus pusillus* (Peters, 1868): 452, *Mimetillus moloneyi* (Thomas, 1891): 33, *Mimetillus thomasi* Hinton, 1920: 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 5, *Miniopterus inflatus* Thomas, 1903: 45, *Miniopterus minor* Peters, 1867: 5, *Miniopterus natalensis* (A. Smith, 1833): 382, *MOLOSSIDAE* Gervais, 1856: 4, *Mops (Mops) condylurus* (A. Smith, 1833): 192, *Mops (Mops) congicus* J.A. Allen, 1917: 2, *Mops (Mops) demonstrator* (Thomas, 1903): 10, *Mops (Mops) midas* (Sundevall, 1843): 24, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 12, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 42, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 9, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 25, *Myonycteris angolensis* (Bocage, 1898): 84, *Myonycteris torquata* (Dobson, 1878): 204, *Myopterus daubentonii* Desmarest, 1820: 2, *Myopterus whitleyi* (Scharff, 1900): 12, *Myotis* Kaup, 1829: 1, *Myotis bocagii* (Peters, 1870): 146, *Myotis tricolor* (Temminck, 1832): 3, *Myotis welwitschii* (Gray, 1866): 2, *Neoromicia capensis* (A. Smith, 1829): 39, *Neoromicia nana* (Peters, 1852): 989, *Neoromicia rendalli* (Thomas, 1889): 63, *Neoromicia somalica* (Thomas, 1901): 1,

Neoromicia tenuipinnis (Peters, 1872): 123, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris arge* Thomas, 1903: 69, *Nycteris grandis* Peters, 1865: 23, *Nycteris hispida* (Schreber, 1774): 157, *Nycteris macrotis* Dobson, 1876: 48, *Nycteris nana* (K. Andersen, 1912): 20, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 12, *Nycticeinops schlieffenii* (Peters, 1859): 3, *Pipistrellus* Kaup, 1829: 9, *Pipistrellus nanulus* Thomas, 1904: 1, *Pipistrellus rueppellii* (Fischer, 1829): 12, *Rhinolophus* Lacépède, 1799: 6, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 25, *Rhinolophus eloquens* K. Andersen, 1905: 4, *Rhinolophus fumigatus* Rüppell, 1842: 25, *Rhinolophus hildebrandtii* Peters, 1878: 142, *Rhinolophus lobatus* Peters, 1852: 106, *Rhinolophus ruwenzorii* J. Eric Hill, 1942: 10, *Rhinolophus simulator* K. Andersen, 1904: 22, *Rousettinae* Andersen, 1912: 14, *Rousettus* Gray, 1821: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 174, *Saccolaimus peli* (Temminck, 1853): 21, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotoecus hindei* Thomas, 1901: 1, *Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 25, *Scotophilus dinganii* (A. Smith, 1833): 102, *Scotophilus nigrita* (Schreber, 1774): 9, *Scotophilus nux* Thomas, 1904: 4, *Stenonycteris lanosus* (Thomas, 1906): 15, *Tadarida ventralis* (Heuglin, 1861): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 146, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 41, *VESPERTILIONIDAE* Gray, 1821: 28, *VESPERTILIONOIDEA* Gray, 1821: 12, [7693].

Côte d'Ivoire:

Chaerephon pumilus (Cretzschmar, 1826): 68, *CHIROPTERA* Blumenbach, 1779: 6, *Doryrhina cyclops* (Temminck, 1853): 18, *Eidolon helvum* (Kerr, 1792): 10, *Epomophorus gambianus* (Ogilby, 1835): 24, *Epomops buettikoferi* (Matschie, 1899): 6, *Epomops franqueti* (Tomes, 1860): 7, *Glauconycteris superba* Hayman, 1939: 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros marisae* Aellen, 1954: 2, *Hipposideros ruber* (Noack, 1893): 16, *Hypsugo crassulus* (Thomas, 1904): 1, *Kerivoula lanosa* (A. Smith, 1847): 1, *Kerivoula phalaena* Thomas, 1912: 7, *Macronycteris vittatus* (Peters, 1852): 7, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 6, *Micropteropus pusillus* (Peters, 1868): 14, *Mimetillus moloneyi* (Thomas, 1891): 8, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 131, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 4, *Myonycteris angolensis* (Bocage, 1898): 1, *Myonycteris leptodon* K. Andersen, 1908: 10, *Myotis bocagii* (Peters, 1870): 9, *Nanonycteris veldkampii* (Jentink, 1888): 11, *Neoromicia brunnea* (Thomas, 1880): 10, *Neoromicia nana* (Peters, 1852): 94, *Neoromicia tenuipinnis* (Peters, 1872): 7, *Nycteris arge* Thomas, 1903: 2, *Nycteris grandis* Peters, 1865: 4, *Nycteris hispida* (Schreber, 1774): 5, *Nycteris macrotis* Dobson, 1876: 2, *Pipistrellus nanulus* Thomas, 1904: 1, *Rhinolophus alcyone* Temminck, 1853: 8, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Saccolaimus peli* (Temminck, 1853): 2, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotonycteris occidentalis* Hayman, 1947: 2, *Scotophilus nigrita* (Schreber, 1774): 4, *Scotophilus nux* Thomas, 1904: 39, [554].

Egypt:

Rhinopoma cystops Thomas, 1903: 2, *Taphozous nudiventris* Cretzschmar, 1830: 4, [6].

Equatorial Guinea:

Eidolon helvum (Kerr, 1792): 2, *Hipposideros ruber* (Noack, 1893): 2, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 1, *Nycteris hispida* (Schreber, 1774): 1, *Rhinolophus alcyone* Temminck, 1853: 2, *Rhinolophus landeri* Martin, 1838: 1, *Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 1, [10].

Ethiopia:

Eidolon helvum (Kerr, 1792): 1, *Scotophilus dinganii* (A. Smith, 1833): 2, [3].

Gabon:

Mops (Xiphonycteris) nanulus J.A. Allen, 1917: 1, *Neoromicia tenuipinnis* (Peters, 1872): 2, [3].

Ghana:

Hypsignathus monstrosus H. Allen, 1862: 2, *Myonycteris angolensis smithii* (Thomas, 1908): 1, *Myonycteris leptodon* K. Andersen, 1908: 2, *Nanonycteris veldkampii* (Jentink, 1888): 4, [9].

Guinea-Bissau:

Coleura afra (Peters, 1852): 1, *Macronycteris vittatus* (Peters, 1852): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Nycteris gambiensis* (K. Andersen, 1912): 2, *Nycteris macrotis* Dobson, 1876: 1, [9].

Kenya:

Cardioderma cor (Peters, 1872): 25, *Chaerephon nigeriae* Thomas, 1913: 5, *Chaerephon pumilus* (Cretzschmar, 1826): 3, *Epomophorus minor* Dobson, 1880: 3, *Epomophorus wahlbergi* (Sundevall, 1846): 11, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Macronycteris vittatus* (Peters, 1852): 4, *Miniopterus inflatus* Thomas, 1903: 1, *Miniopterus minor* Peters, 1867: 4, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myotis bocagii* (Peters, 1870): 2, *Neoromicia nana* (Peters, 1852): 14, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Otomops* Thomas, 1913: 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 6, *Rhinolophus eloquens* K. Andersen, 1905: 1, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinopoma cystops* Thomas, 1903: 1, *Rousettinae* Andersen, 1912: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, *Taphozous hildegardeae* Thomas, 1909: 4, *Triaenops afer* Peters, 1877: 7, [103].

Liberia:

Casinycteris ophiodon (Pohle, 1943): 2, *Chaerephon major* (Trouessart, 1897): 6, *Doryrhina cyclops* (Temminck, 1853): 2, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus gambianus* (Ogilby, 1835): 4, *Epomops buettikoferi* (Matschie, 1899): 12, *Epomops franqueti* (Tomes, 1860): 20, *Hipposideros ruber* (Noack, 1893): 3, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 6, *Micropteropus pusillus* (Peters, 1868): 2, *Myonycteris leptodon* K. Andersen, 1908: 7, *Nanonycteris veldkampii* (Jentink, 1888): 7, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris grandis* Peters, 1865: 1, *Rousettinae* Andersen, 1912: 2, *Scotonycteris occidentalis* Hayman, 1947: 10, [91].

Malawi:

Chaerephon nigeriae spillmanni (Monard, 1933): 1, *Epomophorus minor* Dobson, 1880: 1, *Macronycteris vittatus* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, [5].

Mali:

Rhinopoma cystops Thomas, 1903: 2, [2].

Morocco:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 42, *Myotis punicus* Felten, 1977: 4, *Rhinolophus* Lacépède, 1799: 3, *VESPERTILIONOIDEA* Gray, 1821: 6, [55].

Namibia:

Chaerephon Dobson, 1874: 4, *Chaerephon pumilus* (Cretzschmar, 1826): 2, *Hipposideros caffer* (Sundevall, 1846): 3, *Hipposideros ruber* (Noack, 1893): 1, *Miniopterus natalensis* (A. Smith, 1833): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) midas* (Sundevall, 1843): 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Rhinolophus* Lacépède, 1799: 1, [19].

Niger:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 65, *Mops (Mops) midas* (Sundevall, 1843): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinopoma cystops* Thomas, 1903: 25, *Scotophilus leucogaster* (Cretzschmar, 1826): 4, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 10, [106].

Rwanda:
Chaerephon ansorgei (Thomas, 1913): 11, *Chaerephon pumilus* (Cretzschmar, 1826): 964, *Eidolon helvum* (Kerr, 1792): 36, *Epomophorus labiatus* (Temminck, 1837): 276, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Epomops franqueti* (Tomes, 1860): 2, *Glauconycteris argentata* (Dobson, 1875): 3, *Hipposideros ruber* (Noack, 1893): 65, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 7, *Macronycteris vittatus* (Peters, 1852): 1, *Micropteropus pusillus* (Peters, 1868): 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 18, *Miniopterus inflatus* Thomas, 1903: 74, *Mops (Mops) condylurus* (A. Smith, 1833): 295, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 103, *Myonycteris angolensis* (Bocage, 1898): 86, *Myotis bocagii* (Peters, 1870): 10, *Myotis tricolor* (Temminck, 1832): 5, *Myotis welwitschii* (Gray, 1866): 2, *Neoromicia nana* (Peters, 1852): 97, *Neoromicia somalica* (Thomas, 1901): 2, *Neoromicia tenuipinnis* (Peters, 1872): 3, *Nycteris hispida* (Schreber, 1774): 10, *Nycteris macrotis* Dobson, 1876: 39, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 6, *Otomops* Thomas, 1913: 1, *Pipistrellus hesperidus* (Temminck, 1840): 3, *Rhinolophus clivosus* Cretzschmar, 1828: 336, *Rhinolophus eloquens* K. Andersen, 1905: 5, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus hilli* Aellen, 1973: 1, *Rhinolophus ruwenzorii* J. Eric Hill, 1942: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 117, *Scotophilus dinganii* (A. Smith, 1833): 31, *Stenonycteris lanosus* (Thomas, 1906): 34, *Tadarida fulminans* (Thomas, 1903): 17, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, [2669].

Senegal:
Hipposideros ruber (Noack, 1893): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 3, *Nycteris hispida* (Schreber, 1774): 1, [7].

Seychelles:
Pteropus seychellensis A. Milne-Edwards, 1877: 2, [2].

Sierra Leone:
Scotophilus dinganii (A. Smith, 1833): 2, [2].

South Africa:
Neoromicia capensis (A. Smith, 1829): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [5].

Tanzania:
Chaerephon pumilus (Cretzschmar, 1826): 11, *CHIROPTERA* Blumenbach, 1779: 14, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 9, *Miniopterus natalensis* (A. Smith, 1833): 1, *Myonycteris relicta* Bergmans, 1980: 3, *Myotis welwitschii* (Gray, 1866): 7, *Neoromicia nana* (Peters, 1852): 52, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *RHINOLOPHIDAE* Gray, 1825: 1, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus hildebrandtii* Peters, 1878: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 5, *Scotophilus dinganii* (A. Smith, 1833): 1, *Stenonycteris lanosus* (Thomas, 1906): 1, [118].

Togo:
Chaerephon major (Trouessart, 1897): 283, *Chaerephon pumilus* (Cretzschmar, 1826): 426, *CHIROPTERA* Blumenbach, 1779: 9, *Doryrhina cyclops* (Temminck, 1853): 2, *Eidolon helvum* (Kerr, 1792): 72, *Epomophorus gambianus* (Ogilby, 1835): 847, *Epomops franqueti* (Tomes, 1860): 152, *Glauconycteris poensis* (Gray, 1842): 14, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros caffer* (Sundevall, 1846): 4, *Hipposideros ruber* (Noack, 1893): 14, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 11, *Macronycteris vittatus* (Peters, 1852): 5, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 9, *Micropteropus pusillus* (Peters, 1868): 1660, *Mops (Mops) condylurus* (A. Smith, 1833): 112, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 4, *Myonycteris angolensis* (Bocage, 1898): 43, *Myonycteris leptodon* K. Andersen, 1908: 4, *Myotis bocagii* (Peters, 1870): 2, *Nanonycteris veldkampii* (Jentink, 1888): 190, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 13, *Neoromicia rendalli* (Thomas, 1889): 4, *Neoromicia somalica* (Thomas, 1901): 3, *Nycteris gambiensis* (K. Andersen, 1912): 6, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 51, *Nycteris macrotis* Dobson, 1876: 16, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus nanulus* Thomas, 1904: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rhinolophus landeri* Martin, 1838: 23, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 17, *Scotophilus dinganii* (A. Smith, 1833): 8, *Scotophilus leucogaster* (Cretzschmar, 1826): 17, *Scotophilus nigrita* (Schreber, 1774): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 19, *VESPERTILIONIDAE* Gray, 1821: 6, [4060].

Tunisia:
Rhinolophus euryale Blasius, 1853: 1, [1].

Uganda:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 8, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Mops (Mops) trevori* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 2, *Myonycteris angolensis* (Bocage, 1898): 6, *Myopterus whitleyi* (Scharff, 1900): 1, *Neoromicia nana* (Peters, 1852): 3, *Neoromicia rendalli* (Thomas, 1889): 2, *Pipistrellus rueppellii* (Fischer, 1829): 2, [29].

Zambia:
CHIROPTERA Blumenbach, 1779: 1, *Cloeotis percivali* Thomas, 1901: 2, *Epomophorus crypturus* Peters, 1852: 2, *Epomophorus dobsonii* Bocage, 1889: 2, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 1, *Neoromicia* Roberts, 1926: 1, *Scotophilus dinganii* (A. Smith, 1833): 1, [11].

Zimbabwe:
Rhinolophus fumigatus Rüppell, 1842: 1, [1].

Total Specimens for RMCA: 18521

RMNH: Naturalis - National Natuurhistorish Museum

"Africa":
Chaerephon bemmeleni (Jentink, 1879): 1, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, [10].

Algeria:
Miniopterus schreibersii (Kuhl, 1817): 1, *Rhinolophus euryale* Blasius, 1853: 2, [3].

Angola:
Chaerephon nigeriae spillmanni (Monard, 1933): 1, *Epomophorus angolensis* Gray, 1870: 2, *Epomophorus dobsonii* Bocage, 1889: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotophilus dinganii* (A. Smith, 1833): 1, [7].

Benin:
Mops (Mops) condylurus (A. Smith, 1833): 44, [44].

Botswana:
Scotophilus dinganii (A. Smith, 1833): 2, [2].

Burundi:
Epomophorus Bennett, 1836: 1, [1].

Comoros:
Pteropus livingstonii Gray, 1866: 2, *Pteropus seychellensis* A. Milne-Edwards, 1877: 1, [3].

Congo:
Hipposideros ruber (Noack, 1893): 72, *Mops (Mops) condylurus* (A. Smith, 1833): 5, *Rhinolophus* Lacépède, 1799: 1, [78].

Congo (Democratic Republic of the):
Casinycteris argynnis Thomas, 1910: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 10, *Eidolon helvum* (Kerr, 1792): 3, *Epomophorus* Bennett, 1836: 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomops franqueti* (Tomes, 1860): 1, *Glauconycteris beatrix* Thomas, 1901: 2, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Neoromicia nana* (Peters, 1852): 2, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris intermedia* Aellen, 1959: 1, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris nana* (K. Andersen, 1912): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 10, *Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 1, *Scotophilus dinganii* (A. Smith, 1833): 1, [42].

Egypt:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 5, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus hipposideros* (Bechstein, 1800): 2, *Rhinopoma cystops* Thomas, 1903: 6, *Rhinopoma microphyllum* (Brünnich, 1782): 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 4, *Tadarida teniotis* (Rafinesque, 1814): 1, *Taphozous nudiventris* Cretzschmar, 1830: 4, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 2, [33].

Eritrea:
Scotophilus dinganii (A. Smith, 1833): 1, [1].

Ethiopia:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Coleura* Peters, 1867: 1, *Epomophorus labiatus* (Temminck, 1837): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, [5].

Ghana:
Chaerephon Dobson, 1874: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Eidolon helvum* (Kerr, 1792): 1, *Epomops franqueti* (Tomes, 1860): 1, *Hipposideros caffer* (Sundevall, 1846): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Nycteris grandis* Peters, 1865: 1, *Nycteris macrotis* Dobson, 1876: 3, *Rhinolophus alcyone* Temminck, 1853: 1, *Rhinolophus landeri* Martin, 1838: 1, *Scotophilus dinganii* (A. Smith, 1833): 2, [18].

Kenya:
Chaerephon pumilus (Cretzschmar, 1826): 335, *CHIROPTERA* Blumenbach, 1779: 1, *Epomophorus* Bennett, 1836: 45, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 49, *Glauconycteris argentata* (Dobson, 1875): 4, *HIPPOSIDERIDAE* Lydekker, 1891: 1, *Hipposideros* Gray, 1831: 1, *Hipposideros caffer* (Sundevall, 1846): 22, *Hypsugo* Kolenati, 1856: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Mimetillus moloneyi* (Thomas, 1891): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Myonycteris relicta* Bergmans, 1980: 1, *Neoromicia nana* (Peters, 1852): 10, *Neoromicia rendalli* (Thomas, 1889): 10, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 32, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Rhinolophus deckenii* Peters, 1868: 1, *Rhinolophus fumigatus* Rüppell, 1842: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 16, *Scotophilus dinganii* (A. Smith, 1833): 18, *Scotophilus nigrita* (Schreber, 1774): 2, *Scotophilus viridis* (Peters, 1852): 27, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 36, *Triaenops* Dobson, 1871: 21, [652].

Liberia:
Doryrhina cyclops (Temminck, 1853): 2, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Epomops buettikoferi* (Matschie, 1899): 5, *Hipposideros fuliginosus* (Temminck, 1853): 2, *Hipposideros ruber* (Noack, 1893): 1, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Macronycteris gigas* (Wagner, 1845): 1, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 1, *Mimetillus moloneyi* (Thomas, 1891): 2, *Myonycteris leptodon* K. Andersen, 1908: 1, *Nanonycteris veldkampii* (Jentink, 1888): 1, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 1, [25].

Madagascar:
Eidolon dupreanum (Schegel, 1867): 1, *Eidolon helvum* (Kerr, 1792): 1, *Neoromicia matroka* (Thomas and Schwann, 1905): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Pteropus* Erxleben, 1777: 1, *Pteropus niger* (Kerr, 1792): 2, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 11, [18].

Malawi:
Epomophorus dobsonii Bocage, 1889: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, [2].

Mauritius:
Mormopterus acetabulosus (Hermann, 1804): 2, *Pteropus* Erxleben, 1777: 1, *Pteropus niger* (Kerr, 1792): 2, *Pteropus rodricensis* Dobson, 1878: 2, [7].

Mayotte:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Pteropus seychellensis* A. Milne-Edwards, 1877: 2, [3].

Morocco:
Pipistrellus kuhlii (Kuhl, 1817): 2, [2].

Mozambique:
Epomophorus crypturus Peters, 1852: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, [2].

Nigeria:
Epomophorus gambianus (Ogilby, 1835): 9, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Micropteropus pusillus* (Peters, 1868): 21, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, [32].

Réunion:
Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803): 1, [1].

Rwanda:

Epomophorus Bennett, 1836: 1, [1].

São Tomé and Principé:

Eidolon helvum helvum (Kerr, 1792): 1, [1].

Senegal:

Eidolon helvum (Kerr, 1792): 2, [2].

Seychelles:

Pteropus seychellensis A. Milne-Edwards, 1877: 3, [3].

South Africa:

Eptesicus hottentotus (A. Smith, 1833): 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotophilus dinganii* (A. Smith, 1833): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [7].

Sudan:

Epomophorus labiatus (Temminck, 1837): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, [3].

Tanzania:

Chaerephon pumilus (Cretzschmar, 1826): 33, *Eidolon helvum helvum* (Kerr, 1792): 2, *Epomophorus* Bennett, 1836: 16, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Epomophorus labiatus* (Temminck, 1837): 39, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 7, *Macronycteris vittatus* (Peters, 1852): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 79, *Nycteris grandis* Peters, 1865: 1, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 20, *Scotophilus dinganii* (A. Smith, 1833): 6, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, [212].

Total Specimens for RMNH: 1220

ROM: Royal Ontario Museum, Toronto

"Africa":

Eidolon helvum helvum (Kerr, 1792): 1, *Taphozous nudiventris* Cretzschmar, 1830: 1, [2].

Algeria:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 20, *Eptesicus* Rafinesque, 1820: 1, [21].

Benin:

Epomophorus gambianus (Ogilby, 1835): 1, *Hipposideros caffer* (Sundevall, 1846): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Micropteropus pusillus* (Peters, 1868): 5, *Myotis bocagii* (Peters, 1870): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, [14].

Botswana:

Chaerephon pumilus (Cretzschmar, 1826): 40, *Hipposideros caffer* (Sundevall, 1846): 9, *Mops (Mops) condylurus* (A. Smith, 1833): 17, *Mops (Mops) midas* (Sundevall, 1843): 36, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Pipistrellus rueppellii* (Fischer, 1829): 3, *Sauromys petrophilus* (Roberts, 1917): 2, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 7, [121].

Burkina Faso:

Chaerephon major (Trouessart, 1897): 2, *Chaerephon pumilus* (Cretzschmar, 1826): 11, *Epomophorus gambianus* (Ogilby, 1835): 6, *Hipposideros ruber* (Noack, 1893): 1, *Micropteropus pusillus* (Peters, 1868): 1, *Mops (Mops) demonstrator* (Thomas, 1903): 3, *Mops (Mops) midas midas* (Sundevall, 1843): 1, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris macrotis* Dobson, 1876: 2, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus fumigatus* Rüppell, 1842: 13, *Scotophilus leucogaster* (Cretzschmar, 1826): 7, *Scotophilus viridis* (Peters, 1852): 5, [55].

Cameroon:

Chaerephon bemmeleni (Jentink, 1879): 24, *Chaerephon russatus* J.A. Allen, 1917: 5, *Doryrhina cyclops* (Temminck, 1853): 16, *Eidolon helvum helvum* (Kerr, 1792): 49, *Epomophorus gambianus gambianus* (Ogilby, 1835): 30, *Epomops franqueti* (Tomes, 1860): 286, *Glauconycteris alboguttata* J.A. Allen, 1917: 3, *Glauconycteris argentata* (Dobson, 1875): 8, *Glauconycteris beatrix* Thomas, 1901: 1, *Glauconycteris curryae* Eger and Schlitter, 2001: 3, *Glauconycteris egeria* Thomas, 1913: 3, *Glauconycteris gleni* Peterson and Smith, 1973: 1, *Glauconycteris poensis* (Gray, 1842): 1, *Hipposideros beatus* (K. Andersen, 1906): 8, *Hipposideros caffer* (Sundevall, 1846): 514, *Hipposideros curtus* G.M. Allen, 1921: 26, *Hypsignathus monstrosus* H. Allen, 1862: 27, *Hypsugo musciculus* (Thomas, 1913): 1, *Macronycteris gigas* (Wagner, 1845): 3, *Macronycteris vittatus* (Peters, 1852): 12, *Megaloglossus woermanni* Pagenstecher, 1885: 175, *Micropteropus pusillus* (Peters, 1868): 167, *Mimetillus moloneyi* (Thomas, 1891): 32, *Miniopterus fraterculus* Thomas and Schwann, 1906: 28, *Miniopterus inflatus* Thomas, 1903: 38, *Mops (Mops) condylurus* (A. Smith, 1833): 81, *Mops (Mops) congicus* J.A. Allen, 1917: 2, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 3, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 38, *Mops (Xiphonycteris) petersoni* (El Rayah, 1981): 37, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 101, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 41, *Myonycteris angolensis* (Bocage, 1898): 98, *Myonycteris torquata torquata* (Dobson, 1878): 12, *Myopterus whitleyi* (Scharff, 1900): 2, *Myotis bocagii cupreolus* Thomas, 1904: 30, *Nanonycteris veldkampii* (Jentink, 1888): 107, *Neoromicia brunnea* (Thomas, 1880): 10, *Neoromicia helios* (Heller, 1912): 6, *Neoromicia nana* (Peters, 1852): 21, *Neoromicia tenuipinnis* (Peters, 1872): 23, *Nycteris arge* Thomas, 1903: 17, *Nycteris grandis* Peters, 1865: 20, *Nycteris hispida* (Schreber, 1774): 8, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris nana* (K. Andersen, 1912): 5, *Pipistrellus grandidieri* (Dobson, 1876): 1, *Pipistrellus nanulus* Thomas, 1904: 1, *Rhinolophus alcyone* Temminck, 1853: 32, *Rhinolophus fumigatus* Rüppell, 1842: 36, *Rhinolophus landeri* Martin, 1838: 15, *Rhinolophus simulator* K. Andersen, 1904: 55, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 91, *Scotoecus hirundo* (de Winton, 1899): 3, *Scotonycteris zenkeri* Matschie, 1894: 10, *Scotophilus nux* Thomas, 1904: 3, *Scotophilus viridis* (Peters, 1852): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [2373].

Côte d'Ivoire:

Chaerephon leucogaster (A. Grandidier, 1869): 11, *Doryrhina cyclops* (Temminck, 1853): 2, *Glauconycteris cf. beatrix* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017: 5, *Glauconycteris poensis* (Gray, 1842): 3, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 17, *Hypsugo crassulus* (Thomas, 1904): 2, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 2, *Micropteropus pusillus* (Peters, 1868): 1, *Mimetillus moloneyi* (Thomas, 1891): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Myotis bocagii* (Peters, 1870): 1, *Nanonycteris veldkampii* (Jentink, 1888): 6, *Neoromicia brunnea* (Thomas, 1880): 2, *Neoromicia nana* (Peters, 1852): 3, *Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013: 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris grandis* Peters, 1865: 2, *Nycteris macrotis* Dobson, 1876: 1,

Pipistrellus nanulus Thomas, 1904: 6, *Rhinolophus alcyone* Temminck, 1853: 6, *Rhinolophus landeri* Martin, 1838: 1, *Scotonycteris occidentalis* Hayman, 1947: 2, *Scotophilus viridis* (Peters, 1852): 2, [84].

Ethiopia:

Chaerephon leucogaster (A. Grandidier, 1869): 22, *Chaerephon nigeriae* Thomas, 1913: 6, *Chaerephon pumilus* (Cretzschmar, 1826): 8, *Epomophorus minimus* Claessen & De Vree, 1991: 35, *Epomophorus minor* Dobson, 1880: 15, *Laephotis wintoni* Thomas, 1901: 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Myotis bocagii* (Peters, 1870): 2, *Neoromicia nana* (Peters, 1852): 5, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 10, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 2, *Pipistrellus hesperidus* (Temminck, 1840): 5, *Pipistrellus rueppellii* (Fischer, 1829): 62, *Rhinolophus eloquens* K. Andersen, 1905: 2, *Rhinolophus simulator* K. Andersen, 1904: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 34, *Scotophilus dinganii* (A. Smith, 1833): 7, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 5, *Triaenops afer* Peters, 1877: 2, [229].

Gabon:

Hipposideros caffer (Sundevall, 1846): 2, [2].

Ghana:

Chaerephon chapini J.A. Allen, 1917: 2, *Chaerephon leucogaster* (A. Grandidier, 1869): 42, *Chaerephon major* (Trouessart, 1897): 17, *Chaerephon russatus* J.A. Allen, 1917: 1, *Doryrhina cyclops* (Temminck, 1853): 16, *Eidolon helvum* (Kerr, 1792): 2, *Eidolon helvum helvum* (Kerr, 1792): 17, *Epomophorus gambianus* (Ogilby, 1835): 32, *Epomophorus gambianus gambianus* (Ogilby, 1835): 33, *Epomops franqueti* (Tomes, 1860): 53, *Glauconycteris poensis* (Gray, 1842): 1, *Hipposideros beatus* (K. Andersen, 1906): 8, *Hipposideros caffer* (Sundevall, 1846): 304, *Hipposideros jonesi* Hayman, 1947: 14, *Hipposideros ruber* (Noack, 1893): 1, *Hypsignathus monstrosus* H. Allen, 1862: 5, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris vittatus* (Peters, 1852): 4, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 10, *Micropteropus pusillus* (Peters, 1868): 70, *Mimetillus moloneyi* (Thomas, 1891): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 38, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Mops (Xiphonycteris) petersoni* (El Rayah, 1981): 7, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 9, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 72, *Myonycteris angolensis* (Bocage, 1898): 5, *Myonycteris angolensis smithii* (Thomas, 1908): 1, *Myonycteris leptodon* K. Andersen, 1908: 18, *Myotis bocagii* (Peters, 1870): 1, *Myotis bocagii cupreolus* Thomas, 1904: 1, *Nanonycteris veldkampii* (Jentink, 1888): 6, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia helios* (Heller, 1912): 1, *Neoromicia nana* (Peters, 1852): 32, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia tenuipinnis* (Peters, 1872): 3, *Nycteris arge* Thomas, 1903: 2, *Nycteris gambiensis* (K. Andersen, 1912): 4, *Nycteris grandis* Peters, 1865: 4, *Nycteris hispida* (Schreber, 1774): 12, *Nycteris macrotis* Dobson, 1876: 26, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus rusticus* (Tomes, 1861): 2, *Rhinolophus alcyone* Temminck, 1853: 3, *Rhinolophus landeri* Martin, 1838: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotoecus albofuscus* (Thomas, 1890): 2, *Scotonycteris occidentalis* Hayman, 1947: 3, *Scotophilus dinganii* (A. Smith, 1833): 8, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, *Scotophilus nucella* Robbins, 1983: 1, *Scotophilus viridis* (Peters, 1852): 2, *Taphozous nudiventris* Cretzschmar, 1830: 1, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 13, [921].

Kenya:

Cardioderma cor (Peters, 1872): 160, *Chaerephon ansorgei* (Thomas, 1913): 42, *Chaerephon bemmeleni* (Jentink, 1879): 43, *Chaerephon bivittatus* (Heuglin, 1861): 137, *Chaerephon chapini* J.A. Allen, 1917: 3, *Chaerephon pumilus* (Cretzschmar, 1826): 804, *CHIROPTERA* Blumenbach, 1779: 21, *Cloeotis percivali* Thomas, 1901: 1, *Coleura afra* (Peters, 1852): 195, *Doryrhina cyclops* (Temminck, 1853): 2, *Eidolon helvum* (Kerr, 1792): 1, *Eidolon helvum helvum* (Kerr, 1792): 1, *Epomophorus labiatus* (Temminck, 1837): 99, *Epomophorus minimus* Claessen & De Vree, 1991: 15, *Epomophorus minor* Dobson, 1880: 73, *Epomophorus wahlbergi* (Sundevall, 1846): 101, *Epomops franqueti* (Tomes, 1860): 1, *Eptesicus* Rafinesque, 1820: 3, *Eptesicus hottentotus* (A. Smith, 1833): 4, *Glauconycteris argentata* (Dobson, 1875): 67, *Glauconycteris beatrix* Thomas, 1901: 2, *Glauconycteris humeralis* J.A. Allen, 1917: 8, *Glauconycteris kenyacola* Peterson, 1982: 1, *Glauconycteris variegata* (Tomes, 1861): 7, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros caffer* (Sundevall, 1846): 175, *Hipposideros megalotis* (Heuglin, 1861): 7, *Hipposideros ruber* (Noack, 1893): 3, *Hypsugo crassulus* (Thomas, 1904): 7, *Hypsugo eisentrauti* (Hill, 1968): 1, *Kerivoula argentata* Tomes, 1861: 1, *Kerivoula lanosa* (A. Smith, 1847): 1, *Kerivoula smithii* Thomas, 1880: 1, *Laephotis wintoni* Thomas, 1901: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 26, *Macronycteris vittatus* (Peters, 1852): 40, *Micropteropus pusillus* (Peters, 1868): 5, *Mimetillus moloneyi* (Thomas, 1891): 12, *Miniopterus africanus* Sanborn, 1936: 28, *Miniopterus fraterculus* Thomas and Schwann, 1906: 5, *Miniopterus inflatus inflatus* Thomas, 1903: 133, *Miniopterus inflatus rufus* Sanborn, 1936: 141, *Miniopterus minor* Peters, 1867: 70, *Miniopterus natalensis* (A. Smith, 1833): 433, *Mops (Mops) condylurus* (A. Smith, 1833): 175, *Mops (Mops) demonstrator* (Thomas, 1903): 3, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 37, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 7, *Myonycteris angolensis* (Bocage, 1898): 75, *Myonycteris relicta* Bergmans, 1980: 2, *Myotis bocagii* (Peters, 1870): 29, *Myotis bocagii bocagii* (Peters, 1870): 4, *Myotis tricolor* (Temminck, 1832): 179, *Myotis welwitschii* (Gray, 1866): 3, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia helios* (Heller, 1912): 45, *Neoromicia nana* (Peters, 1852): 178, *Neoromicia rendalli* (Thomas, 1889): 36, *Neoromicia somalica* (Thomas, 1901): 20, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 1, *Neoromicia tenuipinnis* (Peters, 1872): 27, *Neoromicia zuluensis* (Roberts, 1924): 51, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris aurita* (K. Andersen, 1912): 7, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 15, *Nycteris macrotis* Dobson, 1876: 17, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 144, *Nycticeinops schlieffenii* (Peters, 1859): 33, *Otomops* Thomas, 1913: 7, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 150, *Pipistrellus* Kaup, 1829: 1, *Pipistrellus hesperidus* (Temminck, 1840): 52, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 4, *Pipistrellus nanulus* Thomas, 1904: 6, *Pipistrellus rueppellii* (Fischer, 1829): 17, *Pipistrellus rusticus* (Tomes, 1861): 5, *Platymops setiger* (Peters, 1878): 5, *Platymops setiger macmillani* Thomas, 1906: 34, *Platymops setiger setiger* (Peters, 1878): 25, *Rhinolophus clivosus* Cretzschmar, 1828: 102, *Rhinolophus deckenii* Peters, 1868: 1, *Rhinolophus eloquens* K. Andersen, 1905: 233, *Rhinolophus fumigatus* Rüppell, 1842: 9, *Rhinolophus hildebrandtii* Peters, 1878: 2, *Rhinolophus lobatus* Peters, 1852: 102, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rhinopoma cystops* Thomas, 1903: 1, *Rhinopoma macinnesi* Hayman, 1937: 57, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 137, *Scotoecus albigula* Thomas, 1909: 1, *Scotoecus albofuscus* (Thomas, 1890): 17, *Scotoecus hindei* Thomas, 1901: 186, *Scotoecus hirundo* (de Winton, 1899): 30, *Scotophilus* Leach, 1821: 2, *Scotophilus dinganii* (A. Smith, 1833): 140, *Scotophilus leucogaster* (Cretzschmar, 1826): 23, *Scotophilus nigrita* (Schreber, 1774): 2, *Scotophilus nux* Thomas, 1904: 14, *Scotophilus viridis* (Peters, 1852): 26, *Stenonycteris lanosus* (Thomas, 1906): 15, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 161, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 17, *Tadarida fulminans* (Thomas, 1903): 4, *Tadarida lobata* (Thomas, 1891): 32, *Tadarida ventralis* (Heuglin, 1861): 36, *Taphozous hildegardeae* Thomas, 1909: 204, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 14, *Taphozous nudiventris* Cretzschmar, 1830: 7, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 33, *Triaenops afer* Peters, 1877: 87, [5981].

Madagascar:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010: 2, *Chaerephon leucogaster* (A. Grandidier, 1869): 32, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Eidolon dupreanum* (Schegel, 1867): 10, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 2, *Miniopterus gleni* Peterson, Eger and Mitchell, 1995: 21, *Miniopterus majori* Thomas, 1906: 2, *Miniopterus manavi* Thomas, 1906: 95, *Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007: 20, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 77, *Mormopterus jugularis* (Peters, 1865): 399, *Myotis goudoti* (A. Smith, 1834): 3, *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878: 1, *Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995): 1, *Neoromicia matroka* (Thomas and Schwann, 1905): 43, *Otomops madagascariensis* Dorst, 1953: 30, *Paratriaenops furculus* (Trouessart, 1907): 6, *Paremballonura atrata* (Peters, 1874): 1, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 14, *Rousettus madagascariensis* G. Grandidier, 1929: 52, [812].

Malawi:

Chaerephon pumilus (Cretzschmar, 1826): 11, *Mops (Mops) condylurus* (A. Smith, 1833): 4, *Mops (Mops) midas* (Sundevall, 1843): 1, *Neoromicia nana* (Peters, 1852): 15, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Scotophilus dinganii* (A. Smith, 1833): 12, [44].

Morocco:

Eptesicus isabellinus (Temminck, 1840): 1, *Hipposideros tephrus* (Cabrera, 1906): 1, *Pipistrellus kuhlii* (Kuhl, 1817): 2, [4].

Mozambique:

Chaerephon pumilus (Cretzschmar, 1826): 4, *Epomophorus wahlbergi* (Sundevall, 1846): 16, *Mops (Mops) condylurus* (A. Smith, 1833): 9, *Neoromicia nana* (Peters, 1852): 12, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus lobatus* Peters, 1852: 3, *Scotophilus viridis* (Peters, 1852): 2, *Triaenops afer* Peters, 1877: 8, [58].

Namibia:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 8, *Rhinolophus denti* Thomas, 1904: 1, [9].

Niger:

Eidolon helvum helvum (Kerr, 1792): 27, *Epomophorus gambianus* (Ogilby, 1835): 4, *Macronycteris gigas* (Wagner, 1845): 1, *Neoromicia rendalli* (Thomas, 1889): 2, *Pipistrellus rusticus* (Tomes, 1861): 1, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 15, *Scotophilus viridis* (Peters, 1852): 1, [52].

Nigeria:

Chaerephon leucogaster (A. Grandidier, 1869): 8, *Doryrhina cyclops* (Temminck, 1853): 2, *Epomophorus gambianus* (Ogilby, 1835): 4, *Epomops franqueti* (Tomes, 1860): 18, *Glauconycteris beatrix* Thomas, 1901: 1, *Hipposideros abae* J.A. Allen, 1917: 3, *Hipposideros beatus* (K. Andersen, 1906): 6, *Hipposideros caffer* (Sundevall, 1846): 17, *Hipposideros jonesi* Hayman, 1947: 7, *Hipposideros ruber* (Noack, 1893): 11, *Kerivoula lanosa* (A. Smith, 1847): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris gigas* (Wagner, 1845): 2, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 3, *Megaloglossus woermanni* Pagenstecher, 1885: 3, *Micropteropus pusillus* (Peters, 1868): 6, *Miniopterus fraterculus* Thomas and Schwann, 1906: 3, *Myonycteris angolensis* (Bocage, 1898): 6, *Myonycteris angolensis smithii* (Thomas, 1908): 5, *Myonycteris torquata* (Dobson, 1878): 13, *Myopterus whitleyi* (Scharff, 1900): 1, *Myotis tricolor* (Temminck, 1832): 1, *Nanonycteris veldkampii* (Jentink, 1888): 8, *Neoromicia guineensis* (Bocage, 1889): 4, *Neoromicia nana* (Peters, 1852): 12, *Neoromicia somalica* (Thomas, 1901): 7, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 12, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Pipistrellus inexspectatus* Aellen, 1959: 1, *Pipistrellus nanulus* Thomas, 1904: 4, *Pipistrellus rusticus* (Tomes, 1861): 3, *Rhinolophus darlingi* K. Andersen, 1905: 7, *Rhinolophus denti* Thomas, 1904: 1, *Rhinolophus fumigatus* Rüppell, 1842: 10, *Rhinolophus hildebrandtii* Peters, 1878: 3, *Rhinolophus hillorum* Koopman, 1989: 1, *Rhinolophus landeri* Martin, 1838: 8, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 7, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotoecus hindei* Thomas, 1901: 2, *Scotonycteris zenkeri* Matschie, 1894: 3, *Scotophilus leucogaster* (Cretzschmar, 1826): 7, *Scotophilus viridis* (Peters, 1852): 4, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [236].

Réunion:

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008: 1, [1].

Sierra Leone:

Chaerephon leucogaster (A. Grandidier, 1869): 1, *Eidolon helvum* (Kerr, 1792): 5, *Eidolon helvum helvum* (Kerr, 1792): 5, *Epomophorus gambianus* (Ogilby, 1835): 14, *Epomophorus gambianus gambianus* (Ogilby, 1835): 5, *Epomops franqueti* (Tomes, 1860): 8, *Glauconycteris poensis* (Gray, 1842): 2, *Hipposideros abae* J.A. Allen, 1917: 2, *Hipposideros ruber* (Noack, 1893): 1, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Micropteropus pusillus* (Peters, 1868): 9, *Mimetillus moloneyi* (Thomas, 1891): 4, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 17, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 6, *Myonycteris angolensis* (Bocage, 1898): 11, *Neoromicia nana* (Peters, 1852): 3, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 18, *Pipistrellus* Kaup, 1829: 1, *Rhinolophus landeri* Martin, 1838: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 4, *Scotophilus dinganii* (A. Smith, 1833): 2, [126].

Somalia:

Scotophilus dinganii (A. Smith, 1833): 1, [1].

South Africa:

Chaerephon pumilus (Cretzschmar, 1826): 56, *Cloeotis percivali* Thomas, 1901: 2, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 5, *Miniopterus natalensis* (A. Smith, 1833): 31, *Mops (Mops) condylurus* (A. Smith, 1833): 11, *Myotis tricolor* (Temminck, 1832): 3, *Neoromicia* Roberts, 1926: 1, *Neoromicia capensis* (A. Smith, 1829): 11, *Neoromicia nana* (Peters, 1852): 6, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Pipistrellus* Kaup, 1829: 1, *Rhinolophus blasii* Peters, 1867: 10, *Rhinolophus clivosus* Cretzschmar, 1828: 31, *Rhinolophus darlingi* K. Andersen, 1905: 5, *Rhinolophus simulator* K. Andersen, 1904: 31, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, *Scotophilus dinganii* (A. Smith, 1833): 19, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 18, [252].

South Sudan:

Chaerephon chapini J.A. Allen, 1917: 7, *Chaerephon nigeriae* Thomas, 1913: 8, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Eidolon helvum* (Kerr, 1792): 1, *Glauconycteris argentata* (Dobson, 1875): 1, *Glauconycteris variegata* (Tomes, 1861): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Micropteropus pusillus* (Peters, 1868): 1, *Mimetillus moloneyi* (Thomas, 1891): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Mops (Mops) midas* (Sundevall, 1843): 1, *Mops (Mops) trevori* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 5, *Neoromicia helios* (Heller, 1912): 1, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 4, *Neoromicia tenuipinnis* (Peters, 1872): 5, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris hispida* (Schreber, 1774): 5, *Pipistrellus hesperidus* (Temminck, 1840): 5, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Scotoecus hirundo* (de Winton, 1899): 5, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus viridis* (Peters, 1852): 6, [72].

Sudan:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 3, *Chaerephon pumilus* (Cretzschmar, 1826): 3, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus labiatus* (Temminck, 1837): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Micropteropus pusillus* (Peters, 1868): 1, *Mops (Mops) midas* (Sundevall, 1843): 32, *Nycteris hispida* (Schreber, 1774): 4, *Nycteris macrotis* Dobson, 1876: 10, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinopoma cystops* Thomas, 1903: 33, *Rhinopoma microphyllum* (Brünnich, 1782): 48, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Taphozous nudiventris* Cretzschmar, 1830: 56, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 10, [210].

Swaziland:
Chaerephon pumilus (Cretzschmar, 1826): 9, *Epomophorus wahlbergi* (Sundevall, 1846): 8, *Mops (Mops) condylurus* (A. Smith, 1833): 32, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 11, *Rhinolophus darlingi* K. Andersen, 1905: 2, [63].

Tanzania:
Cardioderma cor (Peters, 1872): 14, *Chaerephon pumilus* (Cretzschmar, 1826): 84, *Eidolon helvum helvum* (Kerr, 1792): 3, *Epomophorus labiatus* (Temminck, 1837): 23, *Epomophorus minor* Dobson, 1880: 11, *Epomophorus wahlbergi* (Sundevall, 1846): 23, *Epomops franqueti* (Tomes, 1860): 1, *Glauconycteris argentata* (Dobson, 1875): 2, *Hipposideros caffer* (Sundevall, 1846): 27, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 5, *Macronycteris vittatus* (Peters, 1852): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 10, *Myonycteris angolensis* (Bocage, 1898): 1, *Myotis bocagii* (Peters, 1870): 3, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia rendalli* (Thomas, 1889): 4, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 1, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Pteropus voeltzkowi* Matschie, 1909: 3, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus deckenii* Peters, 1868: 3, *Rhinolophus eloquens* K. Andersen, 1905: 1, *Rhinolophus fumigatus* Rüppell, 1842: 20, *Rhinolophus hildebrandtii* Peters, 1878: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotophilus dinganii* (A. Smith, 1833): 17, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops afer* Peters, 1877: 13, [291].

Tunisia:
Miniopterus schreibersii (Kuhl, 1817): 1, *Rhinolophus mehelyi* Matschie, 1901: 1, [2].

Uganda:
Chaerephon aloysiisabaudiae (Festa, 1907): 4, *Chaerephon ansorgei* (Thomas, 1913): 1, *Chaerephon bemmeleni* (Jentink, 1879): 1, *Chaerephon chapini* J.A. Allen, 1917: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 136, *Coleura afra* (Peters, 1852): 57, *Doryrhina cyclops* (Temminck, 1853): 9, *Eidolon helvum* (Kerr, 1792): 1, *Eidolon helvum helvum* (Kerr, 1792): 20, *Epomophorus labiatus* (Temminck, 1837): 65, *Epomophorus wahlbergi* (Sundevall, 1846): 13, *Epomops franqueti* (Tomes, 1860): 14, *Glauconycteris argentata* (Dobson, 1875): 4, *Glauconycteris egeria* Thomas, 1913: 2, *Glauconycteris humeralis* J.A. Allen, 1917: 5, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros caffer* (Sundevall, 1846): 83, *Hipposideros ruber* (Noack, 1893): 9, *Hypsignathus monstrosus* H. Allen, 1862: 3, *Hypsugo crassulus* (Thomas, 1904): 2, *Kerivoula phalaena* Thomas, 1912: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 6, *Megaloglossus woermanni* Pagenstecher, 1885: 2, *Micropteropus pusillus* (Peters, 1868): 19, *Mimetillus moloneyi* (Thomas, 1891): 2, *Miniopterus inflatus inflatus* Thomas, 1903: 1, *Miniopterus natalensis* (A. Smith, 1833): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 69, *Mops (Mops) congicus* J.A. Allen, 1917: 30, *Mops (Mops) demonstrator* (Thomas, 1903): 6, *Mops (Mops) trevori* J.A. Allen, 1917: 4, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 8, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 39, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 28, *Myonycteris angolensis* (Bocage, 1898): 2, *Myonycteris torquata* (Dobson, 1878): 1, *Myotis bocagii* (Peters, 1870): 7, *Myotis bocagii bocagii* (Peters, 1870): 1, *Neoromicia helios* (Heller, 1912): 1, *Neoromicia nana* (Peters, 1852): 68, *Neoromicia somalica* (Thomas, 1901): 10, *Neoromicia tenuipinnis* (Peters, 1872): 12, *Neoromicia zuluensis* (Roberts, 1924): 3, *Nycteris arge* Thomas, 1903: 3, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris nana* (K. Andersen, 1912): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Otomops martiensseni icarus* Chubb, 1917: 1, *Pipistrellus* Kaup, 1829: 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Pipistrellus nanulus* Thomas, 1904: 14, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Rhinolophus alcyone* Temminck, 1853: 31, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus darlingi* K. Andersen, 1905: 2, *Rhinolophus eloquens* K. Andersen, 1905: 4, *Rhinolophus fumigatus* Rüppell, 1842: 28, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Saccolaimus peli* (Temminck, 1853): 7, *Scotoecus albofuscus* (Thomas, 1890): 2, *Scotoecus hindei* Thomas, 1901: 17, *Scotoecus hirundo* (de Winton, 1899): 9, *Scotophilus dinganii* (A. Smith, 1833): 24, *Scotophilus leucogaster* (Cretzschmar, 1826): 20, *Scotophilus nucella* Robbins, 1983: 2, *Scotophilus nux* Thomas, 1904: 3, *Scotophilus viridis* (Peters, 1852): 1, *Stenonycteris lanosus* (Thomas, 1906): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 48, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 9, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 35, *Triaenops afer* Peters, 1877: 11, [1044].

Zambia:
Chaerephon pumilus (Cretzschmar, 1826): 9, *Cloeotis percivali* Thomas, 1901: 1, *Epomophorus dobsonii* Bocage, 1889: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 11, *Miniopterus fraterculus* Thomas and Schwann, 1906: 13, *Miniopterus natalensis* (A. Smith, 1833): 10, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 1, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia nana* (Peters, 1852): 1, *Rhinolophus simulator* K. Andersen, 1904: 1, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus viridis* (Peters, 1852): 1, [55].

Zimbabwe:
Chaerephon ansorgei (Thomas, 1913): 44, *Chaerephon chapini* J.A. Allen, 1917: 4, *Chaerephon nigeriae* Thomas, 1913: 9, *Chaerephon pumilus* (Cretzschmar, 1826): 41, *CHIROPTERA* Blumenbach, 1779: 1, *Cloeotis percivali* Thomas, 1901: 30, *Epomophorus crypturus* Peters, 1852: 19, *Epomophorus wahlbergi* (Sundevall, 1846): 4, *Eptesicus hottentotus* (A. Smith, 1833): 3, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 83, *Kerivoula argentata* Tomes, 1861: 1, *Laephotis angolensis* Monard, 1935: 8, *Miniopterus* Bonaparte, 1837: 2, *Miniopterus fraterculus* Thomas and Schwann, 1906: 10, *Miniopterus natalensis* (A. Smith, 1833): 86, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia capensis* (A. Smith, 1829): 25, *Neoromicia nana* (Peters, 1852): 8, *Neoromicia zuluensis* (Roberts, 1924): 4, *Nycteris grandis* Peters, 1865: 7, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 68, *Nycteris woodi* K. Andersen, 1914: 2, *Nycticeinops schlieffenii* (Peters, 1859): 7, *Otomops martiensseni* (Matschie, 1897): 1, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pipistrellus rusticus* (Tomes, 1861): 2, *Rhinolophus blasii* Peters, 1867: 3, *Rhinolophus clivosus* Cretzschmar, 1828: 40, *Rhinolophus darlingi* K. Andersen, 1905: 36, *Rhinolophus denti* Thomas, 1904: 5, *Rhinolophus lobatus* Peters, 1852: 3, *Rhinolophus rhodesiae* Roberts, 1946: 2, *Rhinolophus simulator* K. Andersen, 1904: 3, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 73, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 21, *Sauromys petrophilus* (Roberts, 1917): 1, *Scotophilus dinganii* (A. Smith, 1833): 12, *Scotophilus leucogaster* (Cretzschmar, 1826): 5, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 19, *Tadarida fulminans* (Thomas, 1903): 7, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 5, [709].

Total Specimens for ROM: 13844

SAMA: South Australian Museum, Adelaide

Egypt:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 30, *Otonycteris hemprichii* Peters, 1859: 1, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Taphozous nudiventris* Cretzschmar, 1830: 1, [35].

Kenya:
Miniopterus inflatus Thomas, 1903: 1, *Miniopterus minor* Peters, 1867: 1, *Miniopterus natalensis* (A. Smith, 1833): 1, [3].

Madagascar:
Miniopterus Bonaparte, 1837: 1, [1].

South Sudan:
Nycteris G. Cuvier and E. Geoffroy, 1795: 1, [1].

Total Specimens for SAMA: 40

SAMC: Iziko Museum, Cape Town

"Africa":
CHIROPTERA Blumenbach, 1779: 8, *Kerivoula lanosa* (A. Smith, 1847): 3, *Miniopterus* Bonaparte, 1837: 1, *Neoromicia capensis* (A. Smith, 1829): 12, [24].

Mozambique:
Hipposideros caffer (Sundevall, 1846): 1, *Scotophilus viridis* (Peters, 1852): 1, [2].

Namibia:
Neoromicia capensis (A. Smith, 1829): 1, *Sauromys petrophilus* (Roberts, 1917): 1, [2].

South Africa:
CHIROPTERA Blumenbach, 1779: 4, *Cistugo lesueuri* Roberts, 1919: 2, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 4, *Eptesicus hottentotus* (A. Smith, 1833): 5, *Hipposideros caffer* (Sundevall, 1846): 2, *Kerivoula lanosa* (A. Smith, 1847): 5, *Laephotis namibensis* Setzer, 1971: 2, *Miniopterus fraterculus* Thomas and Schwann, 1906: 1, *Miniopterus natalensis* (A. Smith, 1833): 4, *Myotis tricolor* (Temminck, 1832): 3, *Neoromicia capensis* (A. Smith, 1829): 9, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Rhinolophus capensis* Lichtenstein, 1823: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 5, *Rhinolophus swinnyi* Gough, 1908: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotophilus* Leach, 1821: 2, *Scotophilus dinganii* (A. Smith, 1833): 4, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *VESPERTILIONIDAE* Gray, 1821: 7, *Vespertilioninae* Gray, 1821: 3, [78].

Zimbabwe:
Neoromicia capensis (A. Smith, 1829): 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [3].

Total Specimens for SAMC: 109

SMF: Senckenberg Museum, Frankfurt

"Africa":
CHIROPTERA Blumenbach, 1779: 1, *Epomophorus gambianus* (Ogilby, 1835): 1, *Hipposideros ruber* (Noack, 1893): 2, *Micropteropus pusillus* (Peters, 1868): 1, *Mormopterus acetabulosus natalensis* (A. Smith, 1847): 3, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, [12].

Algeria:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Eptesicus isabellinus* (Temminck, 1840): 1, *Miniopterus schreibersii* (Kuhl, 1817): 4, *Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806): 1, *Myotis punicus* Felten, 1977: 4, *Rhinolophus ferrumequinum* (Schreber, 1774): 2, *Rhinolophus mehelyi* Matschie, 1901: 3, *Rhinopoma cystops* Thomas, 1903: 1, [17].

Azores (Portugal):
Nyctalus azoreum (Thomas, 1901): 1, [1].

Botswana:
Macronycteris vittatus (Peters, 1852): 84, *Mops (Mops) midas* (Sundevall, 1843): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rhinolophus denti* Thomas, 1904: 1, [89].

Burkina Faso:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 17, *Chaerephon major* (Trouessart, 1897): 11, *Chaerephon pumilus* (Cretzschmar, 1826): 9, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus gambianus* (Ogilby, 1835): 8, *Hipposideros abae* J.A. Allen, 1917: 2, *Hipposideros jonesi* Hayman, 1947: 4, *Hipposideros ruber* (Noack, 1893): 16, *Micropteropus pusillus* (Peters, 1868): 3, *Myonycteris angolensis* (Bocage, 1898): 1, *Neoromicia guineensis* (Bocage, 1889): 4, *Nycteris gambiensis* (K. Andersen, 1912): 2, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 10, *Pipistrellus rusticus* (Tomes, 1861): 2, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus landeri* Martin, 1838: 7, *Rhinopoma cystops* Thomas, 1903: 7, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 16, *Taphozous nudiventris* Cretzschmar, 1830: 8, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 11, [147].

Burundi:
Chaerephon pumilus (Cretzschmar, 1826): 8, *Eidolon helvum* (Kerr, 1792): 3, *Epomophorus labiatus* (Temminck, 1837): 13, *Hipposideros caffer* (Sundevall, 1846): 3, *Hipposideros ruber* (Noack, 1893): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Micropteropus pusillus* (Peters, 1868): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 7, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 5, *Myonycteris angolensis* (Bocage, 1898): 4, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 5, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 2, *Pipistrellus grandidieri* (Dobson, 1876): 2, *Rhinolophus lobatus* Peters, 1852: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 7, *Scotophilus dinganii* (A. Smith, 1833): 3, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [76].

Cameroon:
Doryrhina cyclops (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 3, *Epomophorus gambianus* (Ogilby, 1835): 2, *Glauconycteris poensis* (Gray, 1842): 3, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros camerunensis* Eisentraut, 1956: 2, *Hipposideros ruber* (Noack, 1893): 4, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 18, *Micropteropus pusillus* (Peters, 1868): 15, *Miniopterus natalensis* (A. Smith, 1833): 2, *Myonycteris angolensis* (Bocage, 1898): 3, *Myonycteris torquata* (Dobson, 1878): 3, *Myotis bocagii* (Peters, 1870): 1, *Nanonycteris veldkampii* (Jentink, 1888): 7, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Rhinolophus simulator* K. Andersen, 1904: 6, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, [75].

Central African Republic:
Coleura afra (Peters, 1852): 2, *Epomophorus gambianus* (Ogilby, 1835): 2, [4].

Chad:
Chaerephon pumilus (Cretzschmar, 1826): 6, *Eidolon helvum* (Kerr, 1792): 5, *Epomophorus labiatus* (Temminck, 1837): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 11, *Neoromicia guineensis* (Bocage, 1889): 2, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 5, [31].

Comoros:
Rousettus obliviosus Kock, 1978: 1, [1].

Congo:
Epomops franqueti (Tomes, 1860): 2, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Micropteropus pusillus* (Peters, 1868): 196, *Mops (Mops) condylurus* (A. Smith, 1833): 26, *Neoromicia nana* (Peters, 1852): 1, [226].

Congo (Democratic Republic of the):
Casinycteris argynnis Thomas, 1910: 17, *Chaerephon nigeriae* Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 16, *Cloeotis percivali* Thomas, 1901: 5, *Epomophorus labiatus* (Temminck, 1837): 24, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Epomops franqueti* (Tomes, 1860): 9, *Glauconycteris argentata* (Dobson, 1875): 14, *Glauconycteris beatrix* Thomas, 1901: 3, *Glauconycteris humeralis* J.A. Allen, 1917: 3, *Glauconycteris poensis* (Gray, 1842): 1, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros beatus* (K. Andersen, 1906): 3, *Hipposideros caffer* (Sundevall, 1846): 25, *Hipposideros fuliginosus* (Temminck, 1853): 1, *Hipposideros ruber* (Noack, 1893): 25, *Hypsugo crassulus* (Thomas, 1904): 5, *Kerivoula argentata* Tomes, 1861: 2, *Kerivoula phalaena* Thomas, 1912: 1, *Laephotis botswanae* Setzer, 1971: 3, *Megaloglossus woermanni* Pagenstecher, 1885: 32, *Micropteropus intermedius* Hayman, 1963: 1, *Micropteropus pusillus* (Peters, 1868): 60, *Miniopterus inflatus* Thomas, 1903: 6, *Miniopterus natalensis* (A. Smith, 1833): 26, *Mops (Mops) condylurus* (A. Smith, 1833): 21, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 5, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 1, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 6, *Myonycteris torquata* (Dobson, 1878): 22, *Myotis bocagii* (Peters, 1870): 4, *Myotis tricolor* (Temminck, 1832): 2, *Neoromicia nana* (Peters, 1852): 22, *Neoromicia rendalli* (Thomas, 1889): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 4, *Nycteris grandis* Peters, 1865: 5, *Nycteris hispida* (Schreber, 1774): 8, *Nycteris intermedia* Aellen, 1959: 1, *Nycteris macrotis* Dobson, 1876: 3, *Nycteris nana* (K. Andersen, 1912): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus hildebrandtii* Peters, 1878: 11, *Rhinolophus lobatus* Peters, 1852: 8, *Rhinolophus simulator* K. Andersen, 1904: 30, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, *Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 5, *Scotophilus dinganii* (A. Smith, 1833): 4, *Stenonycteris lanosus* (Thomas, 1906): 2, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 3, [468].

Côte d'Ivoire:
Casinycteris ophiodon (Pohle, 1943): 1, *Chaerephon aloysiisabaudiae* (Festa, 1907): 3, *Chaerephon nigeriae* Thomas, 1913: 5, *Chaerephon pumilus* (Cretzschmar, 1826): 6, *Chaerephon russatus* J.A. Allen, 1917: 2, *Doryrhina cyclops* (Temminck, 1853): 5, *Epomophorus gambianus* (Ogilby, 1835): 1, *Epomops buettikoferi* (Matschie, 1899): 5, *Glauconycteris beatrix* Thomas, 1901: 3, *Glauconycteris poensis* (Gray, 1842): 1, *Glauconycteris variegata* (Tomes, 1861): 3, *Hipposideros abae* J.A. Allen, 1917: 4, *Hipposideros beatus* (K. Andersen, 1906): 3, *Hipposideros caffer* (Sundevall, 1846): 6, *Hipposideros fuliginosus* (Temminck, 1853): 9, *Hipposideros ruber* (Noack, 1893): 23, *Hypsugo crassulus* (Thomas, 1904): 8, *Kerivoula cuprosa* Thomas, 1912: 1, *Kerivoula phalaena* Thomas, 1912: 3, *Macronycteris gigas* (Wagner, 1845): 5, *Macronycteris vittatus* (Peters, 1852): 1, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 2, *Micropteropus pusillus* (Peters, 1868): 12, *Mops (Mops) condylurus* (A. Smith, 1833): 4, *Mops (Mops) demonstrator* (Thomas, 1903): 3, *Mops (Mops) trevori* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 4, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 3, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 6, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 10, *Myonycteris angolensis* (Bocage, 1898): 4, *Myonycteris angolensis smithii* (Thomas, 1908): 1, *Myonycteris leptodon* K. Andersen, 1908: 9, *Myopterus daubentonii* Desmarest, 1820: 1, *Nanonycteris veldkampii* (Jentink, 1888): 8, *Neoromicia brunnea* (Thomas, 1880): 4, *Neoromicia guineensis* (Bocage, 1889): 14, *Neoromicia nana* (Peters, 1852): 3, *Neoromicia somalica* (Thomas, 1901): 19, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 7, *Nycteris gambiensis* (K. Andersen, 1912): 3, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris intermedia* Aellen, 1959: 1, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris nana* (K. Andersen, 1912): 1, *Otomops martiensseni* (Matschie, 1897): 3, *Pipistrellus grandidieri* (Dobson, 1876): 1, *Pipistrellus inexspectatus* Aellen, 1959: 4, *Pipistrellus nanulus* Thomas, 1904: 6, *Rhinolophus alcyone* Temminck, 1853: 8, *Rhinolophus landeri* Martin, 1838: 6, *Scotoecus hirundo* (de Winton, 1899): 4, *Scotonycteris zenkeri* Matschie, 1894: 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus nux* Thomas, 1904: 2, *Scotophilus viridis* (Peters, 1852): 5, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, [270].

Egypt:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 31, *Barbastella leucomelas* (Cretzschmar, 1826): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 18, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Otonycteris hemprichii* Peters, 1859: 2, *Pipistrellus kuhlii* (Kuhl, 1817): 4, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinopoma cystops* Thomas, 1903: 53, *Rhinopoma microphyllum* (Brünnich, 1782): 8, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 33, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Tadarida teniotis* (Rafinesque, 1814): 2, *Taphozous nudiventris* Cretzschmar, 1830: 5, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 10, [171].

Equatorial Guinea:
Eidolon helvum (Kerr, 1792): 2, *Hipposideros ruber* (Noack, 1893): 1, *Micropteropus pusillus* (Peters, 1868): 6, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 1, *Rhinolophus alcyone* Temminck, 1853: 5, *Scotonycteris zenkeri* Matschie, 1894: 1, [16].

Eritrea:
Chaerephon pumilus (Cretzschmar, 1826): 5, [5].

Ethiopia:

Asellia patrizii de Beaux, 1931: 5, *Cardioderma cor* (Peters, 1872): 28, *Chaerephon chapini* J.A. Allen, 1917: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 92, *Coleura afra* (Peters, 1852): 3, *Eidolon helvum helvum* (Kerr, 1792): 2, *Epomophorus gambianus* (Ogilby, 1835): 19, *Epomophorus labiatus* (Temminck, 1837): 18, *Epomophorus minimus* Claessen & De Vree, 1991: 32, *Epomophorus minor* Dobson, 1880: 1, *Hipposideros caffer* (Sundevall, 1846): 20, *Hipposideros fuliginosus* (Temminck, 1853): 3, *Hipposideros ruber* (Noack, 1893): 13, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Micropteropus pusillus* (Peters, 1868): 9, *Miniopterus inflatus* Thomas, 1903: 3, *Miniopterus natalensis* (A. Smith, 1833): 20, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Myonycteris angolensis petraea* (Bergmans, 1997): 2, *Myotis bocagii* (Peters, 1870): 1, *Myotis scotti* Thomas, 1927: 4, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia guineensis* (Bocage, 1889): 5, *Neoromicia nana* (Peters, 1852): 10, *Neoromicia somalica* (Thomas, 1901): 3, *Neoromicia zuluensis* (Roberts, 1924): 2, *Nycteris aurita* (K. Andersen, 1912): 1, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 9, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 2, *Otomops martiensseni* (Matschie, 1897): 1, *Pipistrellus hesperidus* (Temminck, 1840): 18, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Pipistrellus rusticus* (Tomes, 1861): 2, *Plecotus christii* Gray, 1838: 1, *Rhinolophus eloquens* K. Andersen, 1905: 1, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rhinolophus landeri* Martin, 1838: 1, *Rhinolophus simulator* K. Andersen, 1904: 2, *Rhinopoma cystops* Thomas, 1903: 22, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 13, *Scotoecus hirundo* (de Winton, 1899): 4, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus viridis* (Peters, 1852): 4, *Stenonycteris lanosus* (Thomas, 1906): 2, *Taphozous nudiventris* Cretzschmar, 1830: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops afer* Peters, 1877: 1, [399].

Gabon:

Hipposideros ruber (Noack, 1893): 1, [1].

Ghana:

Doryrhina cyclops (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 1, *Epomops buettikoferi* (Matschie, 1899): 1, *Epomops franqueti* (Tomes, 1860): 2, *Hipposideros ruber* (Noack, 1893): 5, *Macronycteris gigas* (Wagner, 1845): 1, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 4, *Micropteropus pusillus* (Peters, 1868): 7, *Myonycteris angolensis smithii* (Thomas, 1908): 6, *Myotis bocagii* (Peters, 1870): 2, *Nanonycteris veldkampii* (Jentink, 1888): 2, *Nycteris arge* Thomas, 1903: 1, *Rhinolophus alcyone* Temminck, 1853: 6, *Rhinolophus landeri* Martin, 1838: 1, *Scotophilus dinganii* (A. Smith, 1833): 1, [41].

Guinea:

Hipposideros jonesi Hayman, 1947: 3, *Nycteris gambiensis* (K. Andersen, 1912): 3, [6].

Kenya:

Cardioderma cor (Peters, 1872): 6, *Chaerephon bivittatus* (Heuglin, 1861): 3, *Chaerephon pumilus* (Cretzschmar, 1826): 36, *Coleura afra* (Peters, 1852): 71, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 21, *Glauconycteris* Dobson, 1875: 2, *Hipposideros caffer* (Sundevall, 1846): 22, *Hipposideros megalotis* (Heuglin, 1861): 2, *Hipposideros ruber* (Noack, 1893): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Macronycteris vittatus* (Peters, 1852): 19, *Miniopterus inflatus* Thomas, 1903: 4, *Miniopterus minor* Peters, 1867: 11, *Miniopterus natalensis* (A. Smith, 1833): 14, *Mops (Mops) condylurus* (A. Smith, 1833): 360, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 2, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 1, *Myotis bocagii* (Peters, 1870): 2, *Myotis tricolor* (Temminck, 1832): 4, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia rendalli* (Thomas, 1889): 12, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris nana* (K. Andersen, 1912): 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Otomops martiensseni* (Matschie, 1897): 264, *Pipistrellus grandidieri* (Dobson, 1876): 1, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Platymops setiger* (Peters, 1878): 3, *Rhinolophus clivosus* Cretzschmar, 1828: 3, *Rhinolophus eloquens* K. Andersen, 1905: 12, *Rhinolophus fumigatus* Rüppell, 1842: 6, *Rhinolophus lobatus* Peters, 1852: 5, *Rhinopoma macinnesi* Hayman, 1937: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 9, *Scotoecus hirundo* (de Winton, 1899): 6, *Scotophilus dinganii* (A. Smith, 1833): 17, *Scotophilus viridis* (Peters, 1852): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Taphozous hamiltoni* Thomas, 1920: 2, *Taphozous hildegardeae* Thomas, 1909: 32, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 4, *Triaenops afer* Peters, 1877: 13, [997].

Liberia:

Chaerephon bemmeleni (Jentink, 1879): 3, *Doryrhina cyclops* (Temminck, 1853): 3, *Eidolon helvum* (Kerr, 1792): 1, *Epomops buettikoferi* (Matschie, 1899): 3, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros ruber* (Noack, 1893): 117, *Macronycteris gigas* (Wagner, 1845): 3, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 6, *Micropteropus pusillus* (Peters, 1868): 3, *Miniopterus inflatus* Thomas, 1903: 1, *Myonycteris angolensis smithii* (Thomas, 1908): 4, *Myonycteris leptodon* K. Andersen, 1908: 4, *Nanonycteris veldkampii* (Jentink, 1888): 4, *Neoromicia nana* (Peters, 1852): 4, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotonycteris occidentalis* Hayman, 1947: 3, [162].

Libya:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Myotis punicus* Felten, 1977: 1, [2].

Madagascar:

Chaerephon leucogaster (A. Grandidier, 1869): 1, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 2, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 2, *Miniopterus gleni* Peterson, Eger and Mitchell, 1995: 1, *Miniopterus griveaudi* Harrison, 1959: 10, *Miniopterus majori* Thomas, 1906: 1, *Miniopterus manavi* Thomas, 1906: 6, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 2, *Myotis goudoti* (A. Smith, 1834): 5, *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878: 1, *Paratriaenops furculus* (Trouessart, 1907): 1, *Paremballonura atrata* (Peters, 1874): 3, *Pipistrellus kuhlii* (Kuhl, 1817): 1, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 2, *Scotophilus robustus* A. Milne-Edwards, 1881: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops menamena* Goodman and Ranivo, 2009: 2, [43].

Malawi:

Epomophorus dobsonii Bocage, 1889: 1, *Epomophorus labiatus* (Temminck, 1837): 18, *Epomophorus minor* Dobson, 1880: 1, *Neoromicia nana* (Peters, 1852): 3, *Nycteris macrotis* Dobson, 1876: 1, *Plerotes anchietae* (Seabra, 1900): 2, *Rhinolophus simulator* K. Andersen, 1904: 1, [27].

Mali:

Epomophorus gambianus (Ogilby, 1835): 2, *Hipposideros ruber* (Noack, 1893): 2, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris hispida* (Schreber, 1774): 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, [9].

Mauritius:

Mormopterus acetabulosus acetabulosus (Hermann, 1804): 4, *Pteropus niger* (Kerr, 1792): 3, *Pteropus rodricensis* Dobson, 1878: 2, [9].

Mayotte:

Pteropus seychellensis A. Milne-Edwards, 1877: 1, [1].

Morocco:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 10, *Myotis punicus* Felten, 1977: 17, *Pipistrellus kuhlii* (Kuhl, 1817): 4, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus ferrumequinum* (Schreber, 1774): 1, *Rhinolophus mehelyi* Matschie, 1901: 1, [34].

Mozambique:
Hipposideros caffer (Sundevall, 1846): 2, *Macronycteris vittatus* (Peters, 1852): 7, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Triaenops afer* Peters, 1877: 3, [15].

Namibia:
Eptesicus hottentotus (A. Smith, 1833): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus natalensis* (A. Smith, 1833): 7, *Neoromicia capensis* (A. Smith, 1829): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus denti* Thomas, 1904: 1, *Sauromys petrophilus* (Roberts, 1917): 1, *Scotophilus dinganii* (A. Smith, 1833): 7, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, [29].

Niger:
Chaerephon nigeriae Thomas, 1913: 8, *Eidolon helvum* (Kerr, 1792): 7, *Epomophorus gambianus* (Ogilby, 1835): 7, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Rhinopoma microphyllum* (Brünnich, 1782): 1, [26].

Nigeria:
Chaerephon nigeriae Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 44, *Eidolon helvum* (Kerr, 1792): 3, *Eidolon helvum helvum* (Kerr, 1792): 1, *Epomophorus* Bennett, 1836: 3, *Epomophorus gambianus* (Ogilby, 1835): 15, *Hipposideros caffer* (Sundevall, 1846): 15, *Hipposideros ruber* (Noack, 1893): 3, *Micropteropus pusillus* (Peters, 1868): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 32, *Neoromicia guineensis* (Bocage, 1889): 1, *Nycteris macrotis* Dobson, 1876: 4, *Rhinolophus landeri* Martin, 1838: 3, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus viridis* (Peters, 1852): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [129].

Réunion:
Mormopterus acetabulosus acetabulosus (Hermann, 1804): 2, [2].

Rwanda:
Chaerephon pumilus (Cretzschmar, 1826): 7, *Hipposideros ruber* (Noack, 1893): 4, *Hypsugo cf. eisentrauti* Hill, 1968: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Otomops martiensseni* (Matschie, 1897): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, *Stenonycteris lanosus* (Thomas, 1906): 1, [24].

São Tomé and Principé:
Macronycteris vittatus (Peters, 1852): 3, [3].

Saudi Arabia:
Rhinolophus clivosus Cretzschmar, 1828: 1, [1].

Senegal:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 1, *Neoromicia nana* (Peters, 1852): 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus viridis* (Peters, 1852): 1, [7].

Seychelles:
Chaerephon pusillus (Miller, 1902): 2, *Pteropus seychellensis* A. Milne-Edwards, 1877: 8, [10].

South Africa:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Miniopterus fraterculus* Thomas and Schwann, 1906: 2, *Miniopterus natalensis* (A. Smith, 1833): 3, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia nana* (Peters, 1852): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Rhinolophus capensis* Lichtenstein, 1823: 8, *Rhinolophus clivosus* Cretzschmar, 1828: 5, *Rhinolophus simulator* K. Andersen, 1904: 10, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 11, *Scotophilus dinganii* (A. Smith, 1833): 1, [51].

South Sudan:
Kerivoula eriophora (Heuglin, 1877): 1, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, [6].

Spain:
Pipistrellus maderensis (Dobson, 1878): 1, [1].

Sudan:
Chaerephon major (Trouessart, 1897): 16, *Chaerephon pumilus* (Cretzschmar, 1826): 53, *Coleura afra* (Peters, 1852): 133, *Eidolon helvum* (Kerr, 1792): 27, *Epomophorus gambianus* (Ogilby, 1835): 2, *Epomophorus labiatus* (Temminck, 1837): 24, *Eptesicus floweri* (de Winton, 1901): 1, *Hipposideros ruber* (Noack, 1893): 1, *Hipposideros tephrus* (Cabrera, 1906): 17, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 29, *Micropteropus pusillus* (Peters, 1868): 7, *Mops (Mops) condylurus* (A. Smith, 1833): 5, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Mops (Mops) midas* (Sundevall, 1843): 2, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 3, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris hispida* (Schreber, 1774): 32, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Nycticeinops schlieffenii* (Peters, 1859): 13, *Pipistrellus rueppellii* (Fischer, 1829): 3, *Pipistrellus rusticus* (Tomes, 1861): 2, *Rhinolophus landeri* Martin, 1838: 24, *Rhinopoma cystops* Thomas, 1903: 37, *Rhinopoma microphyllum* (Brünnich, 1782): 7, *Scotophilus leucogaster* (Cretzschmar, 1826): 86, *Scotophilus nigrita* (Schreber, 1774): 4, *Tadarida teniotis* (Rafinesque, 1814): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, *Taphozous nudiventris* Cretzschmar, 1830: 30, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 14, [584].

Tanzania:
Cardioderma cor (Peters, 1872): 6, *Chaerephon bemmeleni* (Jentink, 1879): 1, *Chaerephon bivittatus* (Heuglin, 1861): 3, *Chaerephon nigeriae* Thomas, 1913: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 71, *Coleura afra* (Peters, 1852): 11, *Doryrhina cyclops* (Temminck, 1853): 3, *Eidolon helvum* (Kerr, 1792): 7, *Epomophorus dobsonii* Bocage, 1889: 2, *Epomophorus gambianus* (Ogilby, 1835): 1, *Epomophorus labiatus* (Temminck, 1837): 17, *Epomophorus minor* Dobson, 1880: 11, *Epomophorus wahlbergi* (Sundevall, 1846): 86, *Glauconycteris argentata* (Dobson, 1875): 7, *Glauconycteris variegata* (Tomes, 1861): 7, *Hipposideros caffer* (Sundevall, 1846): 23, *Hipposideros ruber* (Noack, 1893): 65, *Kerivoula africana* Dobson, 1878: 2, *Kerivoula argentata* Tomes, 1861: 3, *Laephotis wintoni* Thomas, 1901: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 12, *Macronycteris gigas* (Wagner, 1845): 2, *Macronycteris vittatus* (Peters, 1852): 4, *Mimetillus moloneyi* (Thomas, 1891): 2, *Miniopterus fraterculus* Thomas and Schwann, 1906: 14, *Miniopterus minor* Peters, 1867: 3, *Miniopterus natalensis* (A. Smith, 1833): 7, *Mops (Mops) condylurus* (A. Smith, 1833): 20, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 6, *Myonycteris angolensis* (Bocage, 1898): 7, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 17, *Myonycteris relicta* Bergmans, 1980: 25, *Myotis bocagii* (Peters, 1870): 14, *Myotis tricolor* (Temminck, 1832): 1, *Myotis welwitschii* (Gray, 1866): 2, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia nana* (Peters, 1852): 33, *Neoromicia rendalli* (Thomas, 1889): 3, *Neoromicia somalica* (Thomas, 1901): 3, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris aurita* (K. Andersen, 1912): 2, *Nycteris grandis* Peters, 1865: 15, *Nycteris hispida* (Schreber, 1774): 10, *Nycteris macrotis* Dobson, 1876: 10, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 70, *Nycteris woodi* K. Andersen, 1914: 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Otomops martiensseni* (Matschie,

1897): 1, *Pipistrellus grandidieri* (Dobson, 1876): 15, *Pipistrellus hesperidus* (Temminck, 1840): 8, *Pteropus seychellensis* A. Milne-Edwards, 1877: 1, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 4, *Rhinolophus darlingi* K. Andersen, 1905: 4, *Rhinolophus deckenii* Peters, 1868: 42, *Rhinolophus eloquens* K. Andersen, 1905: 17, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus hildebrandtii* Peters, 1878: 16, *Rhinolophus lobatus* Peters, 1852: 19, *Rhinolophus maendeleo* Kock, Csorba and Howell, 2000: 3, *Rhinolophus rhodesiae* Roberts, 1946: 3, *Rhinolophus simulator* K. Andersen, 1904: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 32, *Scotoecus albigula* Thomas, 1909: 1, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotoecus hindei* Thomas, 1901: 2, *Scotoecus hirundo* (de Winton, 1899): 4, *Scotophilus dinganii* (A. Smith, 1833): 6, *Scotophilus nigrita* (Schreber, 1774): 1, *Scotophilus nucella* Robbins, 1983: 4, *Scotophilus viridis* (Peters, 1852): 22, *Stenonycteris lanosus* (Thomas, 1906): 6, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Tadarida fulminans* (Thomas, 1903): 1, *Tadarida ventralis* (Heuglin, 1861): 1, *Taphozous hildegardeae* Thomas, 1909: 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 36, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops* Dobson, 1871: 1, *Triaenops afer* Peters, 1877: 47, [925].

The Gambia:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 2, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 4, *Hipposideros ruber* (Noack, 1893): 8, *Hipposideros tephrus* (Cabrera, 1906): 6, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Macronycteris vittatus* (Peters, 1852): 1, *Micropteropus pusillus* (Peters, 1868): 5, *Myonycteris angolensis smithii* (Thomas, 1908): 2, *Neoromicia guineensis* (Bocage, 1889): 3, *Neoromicia nana* (Peters, 1852): 7, *Neoromicia rendalli* (Thomas, 1889): 2, *Nycteris gambiensis* (K. Andersen, 1912): 3, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 13, *Pipistrellus nanulus* Thomas, 1904: 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus landeri* Martin, 1838: 9, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 6, [79].

Togo:

Eidolon helvum (Kerr, 1792): 1, *Glauconycteris poensis* (Gray, 1842): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 3, [5].

Tunisia:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 333, *Miniopterus schreibersii* (Kuhl, 1817): 12, *Myotis punicus* Felten, 1977: 86, *Pipistrellus kuhlii* (Kuhl, 1817): 12, *Plecotus christii* Gray, 1838: 1, *Rhinolophus mehelyi* Matschie, 1901: 200, *Rhinopoma cystops* Thomas, 1903: 1, [645].

Uganda:

Chaerephon pumilus (Cretzschmar, 1826): 2, *Hipposideros caffer* (Sundevall, 1846): 3, *Hipposideros ruber* (Noack, 1893): 1, *Mimetillus moloneyi* (Thomas, 1891): 1, *Miniopterus inflatus* Thomas, 1903: 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Mops (Mops) congicus* J.A. Allen, 1917: 1, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 1, *Neoromicia nana* (Peters, 1852): 4, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Rhinolophus clivosus* Cretzschmar, 1828: 1, [20].

Zambia:

Chaerephon nigeriae Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 6, *Cloeotis percivali* Thomas, 1901: 2, *Epomophorus gambianus* (Ogilby, 1835): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hypsugo anchietae* (Seabra, 1900): 1, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus natalensis* (A. Smith, 1833): 9, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia nana* (Peters, 1852): 2, *Nycteris grandis* Peters, 1865: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus rhodesiae* Roberts, 1946: 1, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 5, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, [42].

Zimbabwe:

Epomophorus crypturus Peters, 1852: 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Macronycteris vittatus* (Peters, 1852): 9, *Miniopterus fraterculus* Thomas and Schwann, 1906: 1, *Neoromicia nana* (Peters, 1852): 2, [14].

Total Specimens for SMF: 5958

SMG: Steve Goodman collectors number

"Africa":

CHIROPTERA Blumenbach, 1779: 24, [24].

Madagascar:

Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007: 18, [18].

Total Specimens for SMG: 42

SMNS: Staatliches Museum für Naturkunde, Stuttgart

"Africa":

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, [1].

Botswana:

Epomophorus crypturus Peters, 1852: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, [3].

Cameroon:

Hipposideros camerunensis Eisentraut, 1956: 3, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 4, *Nycteris major* (K. Andersen, 1912): 2, [10].

Congo (Democratic Republic of the):

Epomophorus labiatus (Temminck, 1837): 2, [2].

Egypt:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 2, *Rhinopoma cystops* Thomas, 1903: 7, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Taphozous nudiventris* Cretzschmar, 1830: 1, [13].

Eritrea:

Chaerephon bivittatus (Heuglin, 1861): 3, *Hipposideros megalotis* (Heuglin, 1861): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus hipposideros* (Bechstein, 1800): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, *Tadarida ventralis* (Heuglin, 1861): 1, [12].

Ethiopia:

Eidolon helvum (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 2, *Epomophorus gambianus gambianus* (Ogilby, 1835): 4, *Epomophorus labiatus* (Temminck, 1837): 4, *Epomophorus minimus* Claessen & De Vree, 1991: 12, *Epomophorus minor* Dobson, 1880: 1, *Micropteropus pusillus* (Peters, 1868): 5, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, [35].

Gabon:
Neoromicia tenuipinnis (Peters, 1872): 1, [1].

Ghana:
Nanonycteris veldkampii (Jentink, 1888): 1, [1].

Guinea:
Nycteris gambiensis (K. Andersen, 1912): 7, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Rhinolophus denti* Thomas, 1904: 3, *Rhinolophus guineensis* Eisentraut, 1960: 8, *Rhinolophus maclaudi* Pousargues, 1898: 3, [25].

Kenya:
Epomophorus wahlbergi (Sundevall, 1846): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 2, [4].

Namibia:
Neoromicia capensis (A. Smith, 1829): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, [6].

Nigeria:
Chaerephon ansorgei (Thomas, 1913): 2, *Chaerephon major* (Trouessart, 1897): 4, *Epomops franqueti* (Tomes, 1860): 1, *Hipposideros ruber* (Noack, 1893): 2, *Micropteropus pusillus* (Peters, 1868): 2, *Miniopterus inflatus* Thomas, 1903: 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, [17].

São Tomé and Principé:
Myonycteris brachycephala (Bocage, 1889): 2, [2].

South Africa:
Epomophorus wahlbergi (Sundevall, 1846): 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, [7].

South Sudan:
Epomophorus gambianus (Ogilby, 1835): 2, *Epomophorus labiatus* (Temminck, 1837): 21, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Epomops franqueti* (Tomes, 1860): 6, *Micropteropus pusillus* (Peters, 1868): 21, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 3, *Myotis welwitschii* (Gray, 1866): 1, *Nycteris arge* Thomas, 1903: 2, *Nycteris macrotis* Dobson, 1876: 7, *Nycteris nana* (K. Andersen, 1912): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Stenonycteris lanosus* (Thomas, 1906): 11, [82].

Sudan:
Epomophorus labiatus (Temminck, 1837): 6, *Micropteropus pusillus* (Peters, 1868): 11, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, [18].

Tanzania:
Epomophorus labiatus (Temminck, 1837): 6, *Epomophorus wahlbergi* (Sundevall, 1846): 17, *Nycteris grandis* Peters, 1865: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 12, [37].

The Gambia:
Epomophorus gambianus (Ogilby, 1835): 1, [1].

Togo:
Glauconycteris poensis (Gray, 1842): 3, [3].

Zimbabwe:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, [1].

Total Specimens for SMNS: 281

SMTD: Staatliches Museum für Tierkunde, Dresden

Egypt:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, [1].

Malawi:
Nycteris hispida (Schreber, 1774): 1, [1].

São Tomé and Principé:
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): 1, [1].

Tanzania:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, [1].

Total Specimens for SMTD: 4

SMW: State Museum, Windhoek

"Africa":
Cistugo seabrae Thomas, 1912: 1, [1].

Angola:
Chaerephon ansorgei (Thomas, 1913): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 1, *Rhinolophus damarensis* Roberts, 1946: 2, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [8].

Namibia:
Chaerephon chapini J.A. Allen, 1917: 1, *Chaerephon nigeriae* Thomas, 1913: 7, *Chaerephon pumilus* (Cretzschmar, 1826): 11, *Cistugo seabrae* Thomas, 1912: 5, *Eidolon helvum* (Kerr, 1792): 9, *Epomophorus angolensis* Gray, 1870: 8, *Epomophorus crypturus* Peters, 1852: 1, *Eptesicus hottentotus* (A. Smith, 1833): 2, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 14, *Kerivoula lanosa* (A. Smith, 1847): 1, *Laephotis botswanae* Setzer, 1971: 2, *Laephotis namibensis* Setzer, 1971: 1, *Macronycteris vittatus* (Peters, 1852): 6, *Miniopterus inflatus* Thomas, 1903: 2, *Miniopterus natalensis* (A. Smith, 1833): 8, *Mops (Mops) midas* (Sundevall, 1843): 3, *Neoromicia capensis* (A. Smith, 1829): 7, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia zuluensis* (Roberts, 1924): 5, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 24, *Nycticeinops schlieffenii* (Peters,

1859): 3, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus damarensis* Roberts, 1946: 11, *Rhinolophus denti* Thomas, 1904: 5, *Rhinolophus fumigatus* Rüppell, 1842: 9, *Sauromys petrophilus* (Roberts, 1917): 35, *Scotophilus* Leach, 1821: 18, *Scotophilus dinganii* (A. Smith, 1833): 35, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 38, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *VESPERTILIONIDAE* Gray, 1821: 1, [278].

Total Specimens for SMW: 287

SNP: Skukuza National Park

South Africa:
Glauconycteris variegata (Tomes, 1861): 2, *Kerivoula argentata* Tomes, 1861: 1, *Myotis bocagii* (Peters, 1870): 1, *Myotis welwitschii* (Gray, 1866): 3, *Neoromicia helios* (Heller, 1912): 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotophilus nigrita* (Schreber, 1774): 1, [12].

Total Specimens for SNP: 12

SRSITE:

South Africa:
CHIROPTERA Blumenbach, 1779: 1, [1].

Total Specimens for SRSITE: 1

TAU: Tel Aviv University

Egypt:
Plecotus christii Gray, 1838: 1, [1].

Total Specimens for TAU: 1

TM: Ditsong National Museum of Natural History

"Africa":
Chaerephon pumilus (Cretzschmar, 1826): 1, *CHIROPTERA* Blumenbach, 1779: 5, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 9, *Hypsignathus monstrosus* H. Allen, 1862: 2, *MOLOSSIDAE* Gervais, 1856: 6, *Neoromicia capensis* (A. Smith, 1829): 3, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 32, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 11, *Rhinolophus* Lacépède, 1799: 87, *Rhinolophus clivosus* Cretzschmar, 1828: 20, *Rhinolophus simulator* K. Andersen, 1904: 1, *Scotophilus dinganii* (A. Smith, 1833): 13, *Triaenops afer* Peters, 1877: 15, [206].

Botswana:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Epomophorus crypturus* Peters, 1852: 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Macronycteris vittatus* (Peters, 1852): 6, *Miniopterus natalensis* (A. Smith, 1833): 1, *Neoromicia capensis* (A. Smith, 1829): 4, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 2, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 4, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Pipistrellus rueppellii* (Fischer, 1829): 3, *Rhinolophus denti* Thomas, 1904: 2, *Sauromys petrophilus* (Roberts, 1917): 5, *Scotophilus* Leach, 1821: 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, [37].

Congo (Democratic Republic of the):
Eidolon helvum (Kerr, 1792): 18, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros caffer* (Sundevall, 1846): 13, *Hypsignathus monstrosus* H. Allen, 1862: 9, *Macronycteris vittatus* (Peters, 1852): 17, *Miniopterus inflatus* Thomas, 1903: 38, *Myonycteris angolensis* (Bocage, 1898): 6, *Myopterus whitleyi* (Scharff, 1900): 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris grandis* Peters, 1865: 2, *Nycteris macrotis* Dobson, 1876: 4, *Rhinolophus fumigatus* Rüppell, 1842: 223, *Rhinolophus lobatus* Peters, 1852: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 206, [540].

Ethiopia:
Miniopterus natalensis (A. Smith, 1833): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, [2].

Greece:
Miniopterus natalensis (A. Smith, 1833): 1, [1].

Kenya:
Lavia frons (E. Geoffroy St.-Hilaire, 1810): 1, [1].

Lesotho:
Neoromicia capensis (A. Smith, 1829): 2, [2].

Madagascar:
Pteropus rufus E. Geoffroy St.-Hilaire, 1803: 2, [2].

Malawi:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Epomophorus crypturus* Peters, 1852: 4, *Epomophorus labiatus* (Temminck, 1837): 4, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Eptesicus hottentotus* (A. Smith, 1833): 1, *Hipposideros ruber* (Noack, 1893): 1, *Kerivoula argentata* Tomes, 1861: 2, *Laephotis botswanae* Setzer, 1971: 1, *Miniopterus inflatus* Thomas, 1903: 1, *Miniopterus natalensis* (A. Smith, 1833): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 6, *Neoromicia capensis* (A. Smith, 1829): 4, *Neoromicia nana* (Peters, 1852): 8, *Nycteris macrotis* Dobson, 1876: 1, *Pipistrellus grandidieri* (Dobson, 1876): 3, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus blasii* Peters, 1867: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 3, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 2, *Scotoecus hindei* Thomas, 1901: 4, *Scotophilus dinganii* (A. Smith, 1833): 2, [57].

Mozambique:
Chaerephon pumilus (Cretzschmar, 1826): 19, *Epomophorus wahlbergi* (Sundevall, 1846): 8, *Hipposideros caffer* (Sundevall, 1846): 20, *Kerivoula argentata* Tomes, 1861: 1, *Kerivoula lanosa* (A. Smith, 1847): 1, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus natalensis* (A. Smith, 1833): 5, *MOLOSSIDAE* Gervais, 1856: 3, *Mops (Mops) condylurus* (A. Smith, 1833): 35, *Neoromicia nana* (Peters, 1852): 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 13, *Nycticeinops schlieffenii* (Peters, 1859):

2, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018: 1, *Rhinolophus lobatus* Peters, 1852: 11, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Sauromys petrophilus* (Roberts, 1917): 4, *Scotophilus* Leach, 1821: 2, *Scotophilus dinganii* (A. Smith, 1833): 6, *Scotophilus viridis* (Peters, 1852): 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 6, *Triaenops afer* Peters, 1877: 23, [171].

Namibia:

Chaerephon nigeriae Thomas, 1913: 3, *Cistugo seabrae* Thomas, 1912: 16, *Epomophorus* Bennett, 1836: 3, *Epomophorus angolensis* Gray, 1870: 1, *Epomophorus crypturus* Peters, 1852: 8, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Eptesicus hottentotus* (A. Smith, 1833): 26, *Hipposideros* Gray, 1831: 1, *Hipposideros caffer* (Sundevall, 1846): 9, *Laephotis namibensis* Setzer, 1971: 6, *Macronycteris vittatus* (Peters, 1852): 5, *Miniopterus natalensis* (A. Smith, 1833): 23, *MOLOSSIDAE* Gervais, 1856: 3, *Mops (Mops) midas* (Sundevall, 1843): 6, *Neoromicia capensis* (A. Smith, 1829): 27, *Neoromicia zuluensis* (Roberts, 1924): 5, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 8, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 45, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus damarensis* Roberts, 1946: 14, *Rhinolophus fumigatus* Rüppell, 1842: 5, *Sauromys petrophilus* (Roberts, 1917): 89, *Sauromys petrophilus haagneri* (Roberts, 1917): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 55, *Tadarida fulminans* (Thomas, 1903): 1, [368].

Somalia:

Lavia frons (E. Geoffroy St.-Hilaire, 1810): 6, [6].

South Africa:

Chaerephon ansorgei (Thomas, 1913): 17, *Chaerephon nigeriae* Thomas, 1913: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 462, *CHIROPTERA* Blumenbach, 1779: 3, *Cistugo lesueuri* Roberts, 1919: 11, *Cistugo seabrae* Thomas, 1912: 3, *Cloeotis percivali* Thomas, 1901: 22, *Eidolon helvum* (Kerr, 1792): 7, *Epomophorus crypturus* Peters, 1852: 71, *Epomophorus wahlbergi* (Sundevall, 1846): 92, *Eptesicus hottentotus* (A. Smith, 1833): 29, *Glauconycteris variegata* (Tomes, 1861): 19, *Hipposideros caffer* (Sundevall, 1846): 191, *Hypsugo anchietae* (Seabra, 1900): 5, *Kerivoula argentata* Tomes, 1861: 7, *Kerivoula lanosa* (A. Smith, 1847): 8, *Laephotis botswanae* Setzer, 1971: 7, *Laephotis namibensis* Setzer, 1971: 2, *Macronycteris vittatus* (Peters, 1852): 5, *Miniopterus fraterculus* Thomas and Schwann, 1906: 60, *Miniopterus natalensis* (A. Smith, 1833): 443, *MOLOSSIDAE* Gervais, 1856: 8, *Mops (Mops) condylurus* (A. Smith, 1833): 320, *Mops (Mops) midas* (Sundevall, 1843): 46, *Myotis bocagii* (Peters, 1870): 18, *Myotis tricolor* (Temminck, 1832): 133, *Myotis welwitschii* (Gray, 1866): 9, *Neoromicia capensis* (A. Smith, 1829): 846, *Neoromicia helios* (Heller, 1912): 5, *Neoromicia nana* (Peters, 1852): 245, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 22, *Neoromicia zuluensis* (Roberts, 1924): 50, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 254, *Nycteris woodi* K. Andersen, 1914: 9, *Nycticeinops schlieffenii* (Peters, 1859): 302, *Otomops martiensseni* (Matschie, 1897): 24, *Pipistrellus hesperidus* (Temminck, 1840): 48, *Pipistrellus rueppellii* (Fischer, 1829): 9, *Pipistrellus rusticus* (Tomes, 1861): 359, *Rhinolophus* Lacépède, 1799: 70, *Rhinolophus blasii* Peters, 1867: 64, *Rhinolophus capensis* Lichtenstein, 1823: 38, *Rhinolophus clivosus* Cretzschmar, 1828: 321, *Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 2, *Rhinolophus damarensis* Roberts, 1946: 20, *Rhinolophus darlingi* K. Andersen, 1905: 100, *Rhinolophus denti* Thomas, 1904: 121, *Rhinolophus fumigatus* Rüppell, 1842: 17, *Rhinolophus lobatus* Peters, 1852: 5, *Rhinolophus rhodesiae* Roberts, 1946: 7, *Rhinolophus simulator* K. Andersen, 1904: 196, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 58, *Rhinolophus swinnyi* Gough, 1908: 23, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 278, *Sauromys petrophilus* (Roberts, 1917): 91, *Scotophilus* Leach, 1821: 161, *Scotophilus dinganii* (A. Smith, 1833): 409, *Scotophilus leucogaster* (Cretzschmar, 1826): 9, *Scotophilus nigrita* (Schreber, 1774): 1, *Scotophilus viridis* (Peters, 1852): 105, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 245, *Tadarida fulminans* (Thomas, 1903): 3, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 49, *VESPERTILIONIDAE* Gray, 1821: 1, *Vespertilioninae* Gray, 1821: 4, [6572].

Swaziland:

Chaerephon pumilus (Cretzschmar, 1826): 19, *Cloeotis percivali* Thomas, 1901: 3, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 12, *Hipposideros caffer* (Sundevall, 1846): 4, *Hypsugo anchietae* (Seabra, 1900): 2, *Miniopterus fraterculus* Thomas and Schwann, 1906: 2, *Miniopterus natalensis* (A. Smith, 1833): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 15, *Myotis tricolor* (Temminck, 1832): 1, *Neoromicia capensis* (A. Smith, 1829): 19, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia zuluensis* (Roberts, 1924): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus hesperidus* (Temminck, 1840): 7, *Rhinolophus clivosus* Cretzschmar, 1828: 6, *Rhinolophus darlingi* K. Andersen, 1905: 3, *Rhinolophus simulator* K. Andersen, 1904: 2, *Scotophilus dinganii* (A. Smith, 1833): 4, *Scotophilus viridis* (Peters, 1852): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, [116].

Tanzania:

Cardioderma cor (Peters, 1872): 4, *Coleura afra* (Peters, 1852): 3, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Hipposideros caffer* (Sundevall, 1846): 7, *Hipposideros ruber* (Noack, 1893): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris vittatus* (Peters, 1852): 1, *Myonycteris angolensis* (Bocage, 1898): 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus hesperidus* (Temminck, 1840): 2, [28].

Zambia:

Eidolon helvum (Kerr, 1792): 1, *Epomophorus crypturus* Peters, 1852: 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus natalensis* (A. Smith, 1833): 2, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris woodi* K. Andersen, 1914: 2, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus viridis* (Peters, 1852): 1, [17].

Zimbabwe:

Chaerephon ansorgei (Thomas, 1913): 6, *Chaerephon chapini* J.A. Allen, 1917: 3, *Chaerephon nigeriae* Thomas, 1913: 3, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Cloeotis percivali* Thomas, 1901: 22, *Epomophorus crypturus* Peters, 1852: 2, *Epomophorus wahlbergi* (Sundevall, 1846): 4, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 44, *Laephotis botswanae* Setzer, 1971: 1, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus inflatus* Thomas, 1903: 4, *Miniopterus natalensis* (A. Smith, 1833): 8, *MOLOSSIDAE* Gervais, 1856: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myotis tricolor* (Temminck, 1832): 6, *Myotis welwitschii* (Gray, 1866): 1, *Neoromicia capensis* (A. Smith, 1829): 16, *Neoromicia nana* (Peters, 1852): 25, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 3, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris grandis* Peters, 1865: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 35, *Nycteris woodi* K. Andersen, 1914: 5, *Nycticeinops schlieffenii* (Peters, 1859): 7, *Pipistrellus hesperidus* (Temminck, 1840): 8, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 7, *Rhinolophus darlingi* K. Andersen, 1905: 5, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus lobatus* Peters, 1852: 19, *Rhinolophus rhodesiae* Roberts, 1946: 1, *Rhinolophus simulator* K. Andersen, 1904: 8, *Rhinolophus smithersi*

Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 28, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 25, *Sauromys petrophilus* (Roberts, 1917): 5, *Scotophilus* Leach, 1821: 3, *Scotophilus dinganii* (A. Smith, 1833): 17, *Scotophilus leucogaster* (Cretzschmar, 1826): 3, *Scotophilus viridis* (Peters, 1852): 20, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 4, *Tadarida fulminans* (Thomas, 1903): 23, *Triaenops afer* Peters, 1877: 1, [384].

Total Specimens for TM: 8510

TTU: Texas Tech University (The Museum)

Cameroon:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Chaerephon russatus* J.A. Allen, 1917: 1, *Epomophorus labiatus* (Temminck, 1837): 2, *Epomops franqueti* (Tomes, 1860): 5, *Hipposideros caffer* (Sundevall, 1846): 27, *Megaloglossus woermanni* Pagenstecher, 1885: 5, *Micropteropus pusillus* (Peters, 1868): 2, *Mimetillus moloneyi* (Thomas, 1891): 3, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 1, *Mops (Xiphonycteris) petersoni* (El Rayah, 1981): 4, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 7, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 12, *Myonycteris angolensis* (Bocage, 1898): 2, *Myonycteris torquata* (Dobson, 1878): 3, *Myotis bocagii cupreolus* Thomas, 1904: 2, *Nanonycteris veldkampii* (Jentink, 1888): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 8, *Scotonycteris zenkeri* Matschie, 1894: 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus nux* Thomas, 1904: 3, [93].
Congo (Democratic Republic of the):
Mops (Mops) congicus J.A. Allen, 1917: 1, *Saccolaimus peli* (Temminck, 1853): 1, [2].
Egypt:
Rhinopoma cystops Thomas, 1903: 1, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *Taphozous nudiventris* Cretzschmar, 1830: 2, [4].
Israel:
Rhinopoma cystops Thomas, 1903: 1, [1].
Kenya:
Cardioderma cor (Peters, 1872): 1, *Coleura afra* (Peters, 1852): 10, *Hipposideros caffer* (Sundevall, 1846): 1, *Miniopterus africanus* Sanborn, 1936: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 1, *Rhinolophus hildebrandtii* Peters, 1878: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [19].
Mozambique:
Hipposideros caffer (Sundevall, 1846): 1, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus fraterculus* Thomas and Schwann, 1906: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus lobatus* Peters, 1852: 1, *Triaenops afer* Peters, 1877: 1, [7].
Niger:
Eidolon helvum (Kerr, 1792): 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus nigrita* (Schreber, 1774): 17, [20].
Somalia:
Cardioderma cor (Peters, 1872): 1, *Coleura afra* (Peters, 1852): 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Triaenops afer* Peters, 1877: 1, [5].
South Africa:
Epomophorus wahlbergi (Sundevall, 1846): 2, *Hipposideros caffer* (Sundevall, 1846): 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rhinolophus capensis* Lichtenstein, 1823: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus simulator* K. Andersen, 1904: 4, [13].
Tanzania:
Hipposideros ruber (Noack, 1893): 2, [2].
Tunisia:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 54, *Eptesicus isabellinus* (Temminck, 1840): 22, *Hypsugo savii* (Bonaparte, 1837): 2, *Miniopterus schreibersii* (Kuhl, 1817): 73, *Myotis capaccinii* (Bonaparte, 1837): 18, *Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806): 13, *Myotis punicus* Felten, 1977: 117, *Pipistrellus kuhlii* (Kuhl, 1817): 26, *Pipistrellus pipistrellus* (Schreber, 1774): 4, *Plecotus teneriffae* Barrett-Hamilton, 1907: 41, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus blasii* Peters, 1867: 26, *Rhinolophus euryale* Blasius, 1853: 19, *Rhinolophus ferrumequinum* (Schreber, 1774): 21, *Rhinolophus hipposideros* (Bechstein, 1800): 7, *Rhinolophus mehelyi* Matschie, 1901: 62, *Rhinopoma cystops* Thomas, 1903: 2, [509].
Zambia:
Cloeotis percivali Thomas, 1901: 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus natalensis* (A. Smith, 1833): 7, *Rhinolophus simulator* K. Andersen, 1904: 7, [17].
Zimbabwe:
Chaerephon nigeriae Thomas, 1913: 1, [1].

Total Specimens for TTU: 693

UA: Département de Paléontologie et Anthropologie Biologique, Université d'Antananarivo

Madagascar:
Eidolon dupreanum (Schegel, 1867): 14, *Hipposideros besaoka* Samonds, 2007: 629, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 10, *Myotis goudoti* (A. Smith, 1834): 1, *Rousettus madagascariensis* G. Grandidier, 1929: 2, *Triaenops* Dobson, 1871: 3, *Triaenops goodmani* Samonds, 2007: 3, [662].

Total Specimens for UA: 662

UADBA: Université d'Antananarivo, Departement de Biologie Animale, Antananarivo

"Africa":
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005: 1, [1].
Madagascar:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010: 22, *Chaerephon jobimena* Goodman and Cardiff, 2004: 3, *Chaerephon leucogaster* (A. Grandidier, 1869): 35, *Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012: 1, *Eidolon dupreanum* (Schegel, 1867): 6, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 55, *Miniopterus* Bonaparte, 1837: 4, *Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009: 20, *Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015: 6, *Miniopterus gleni* Peterson, Eger and Mitchell, 1995: 20, *Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009: 1, *Miniopterus griveaudi* Harrison, 1959: 38, *Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009: 32, *Miniopterus majori* Thomas, 1906: 19, *Miniopterus manavi* Thomas, 1906: 4, *Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008: 2, *Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007: 10, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 31, *Mops (Mops) midas* (Sundevall, 1843): 10, *Mormopterus jugularis* (Peters, 1865): 43, *Myotis goudoti* (A. Smith, 1834): 30, *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878: 6, *Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007: 5, *Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995): 2, *Neoromicia matroka* (Thomas and Schwann, 1905): 1, *Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012: 2, *Otomops madagascariensis* Dorst, 1953: 20, *Paratriaenops auritus* (G. Grandidier, 1912): 1, *Paratriaenops furculus* (Trouessart, 1907): 16, *Paremballonura atrata* (Peters, 1874): 10, *Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006): 6, *Pipistrellus hesperidus* (Temminck, 1840): 3, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 10, *Rousettus madagascariensis* G. Grandidier, 1929: 41, *Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006: 4, *Scotophilus robustus* A. Milne-Edwards, 1881: 7, *Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, *Triaenops goodmani* Samonds, 2007: 1, *Triaenops menamena* Goodman and Ranivo, 2009: 34, [565].

Réunion:

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008: 29, [29].

Total Specimens for UADBA: 595

UANK: Ukrainian Academy of Science, Kiev

Algeria:

Plecotus teneriffae Barrett-Hamilton, 1907: 2, [2].

Total Specimens for UANK: 2

UCLA: University of California, Los Angeles (Donald R. Dickey Bird and Mammal Collection)

Kenya:

Chaerephon pumilus (Cretzschmar, 1826): 1, [1].

Total Specimens for UCLA: 1

UCM: University of Colorado Museum of Natural History

Niger:

Chaerephon nigeriae Thomas, 1913: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 2, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Hipposideros tephrus* (Cabrera, 1906): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia rendalli* (Thomas, 1889): 1, *Nycteris macrotis* Dobson, 1876: 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [15].

Tunisia:

Pipistrellus kuhlii (Kuhl, 1817): 5, [5].

Total Specimens for UCM: 20

UCT: South African Museum, Cape Town (University of Cape Town Collection Number)

"Africa":

CHIROPTERA Blumenbach, 1779: 1, [1].

Total Specimens for UCT: 1

UMMZ: University of Michigan, Museum of Zoology

Egypt:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 20, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [23].

Kenya:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): 1, [1].

Réunion:

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008: 7, [7].

Total Specimens for UMMZ: 31

UMNG: Université Marien Ngouabi

Congo:

Myonycteris torquata (Dobson, 1878): 7, [7].

Total Specimens for UMNG: 7

UNIKIS: Université de Kisangani

Congo (Democratic Republic of the):
Cardioderma cor (Peters, 1872): 1, *Casinycteris argynnis* Thomas, 1910: 33, *CHIROPTERA* Blumenbach, 1779: 64, *Doryrhina cyclops* (Temminck, 1853): 7, *Eidolon helvum* (Kerr, 1792): 4, *Epomops* Gray, 1866: 4, *Epomops franqueti* (Tomes, 1860): 194, *Glauconycteris* Dobson, 1875: 1, *Glauconycteris beatrix* Thomas, 1901: 1, *Glauconycteris superba* Hayman, 1939: 1, *Hipposideros* Gray, 1831: 8, *Hipposideros beatus* (K. Andersen, 1906): 9, *Hipposideros caffer* (Sundevall, 1846): 13, *Hipposideros ruber* (Noack, 1893): 9, *Hypsignathus monstrosus* H. Allen, 1862: 8, *Kerivoula smithii* Thomas, 1880: 6, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris vittatus* (Peters, 1852): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 169, *Micropteropus* Matschie, 1899: 23, *Micropteropus pusillus* (Peters, 1868): 1, *Mimetillus moloneyi* (Thomas, 1891): 6, *Mops (Mops) condylurus* (A. Smith, 1833): 74, *Myonycteris torquata* (Dobson, 1878): 318, *Myotis bocagii* (Peters, 1870): 18, *Neoromicia nana* (Peters, 1852): 1, *Nycteris arge* Thomas, 1903: 1, *Nycteris major* (K. Andersen, 1912): 1, *Nycteris nana* (K. Andersen, 1912): 1, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Rhinolophus* Lacépède, 1799: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 34, *Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 19, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [1036].

Total Specimens for UNIKIS: 1036

UNSW: Vertebrate Palaeontology Collection, University of New South Wales

"Africa":
Macronycteris Gray, 1866: 1, [1].

Total Specimens for UNSW: 1

USNM: United States National Museum

"Africa":
Chaerephon aloysiisabaudiae (Festa, 1907): 1, *Chaerephon bivittatus* (Heuglin, 1861): 3, *Chaerephon nigeriae* Thomas, 1913: 2, *Mops (Mops) midas* (Sundevall, 1843): 1, *Mormopterus jugularis* (Peters, 1865): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pteropus voeltzkowi* Matschie, 1909: 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 3, *Tadarida fulminans* (Thomas, 1903): 2, [18].
Algeria:
Eptesicus isabellinus (Temminck, 1840): 9, *Miniopterus schreibersii* (Kuhl, 1817): 1, *Pipistrellus kuhlii* (Kuhl, 1817): 25, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [36].
Angola:
Chaerephon pumilus (Cretzschmar, 1826): 8, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Macronycteris gigas* (Wagner, 1845): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Nycteris macrotis* Dobson, 1876: 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [16].
Azores (Portugal):
Nyctalus azoreum (Thomas, 1901): 4, [4].
Benin:
Chaerephon nigeriae nigeriae Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 386, *Doryrhina cyclops* (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 53, *Epomophorus gambianus* (Ogilby, 1835): 87, *Epomops franqueti* (Tomes, 1860): 1, *Glauconycteris poensis* (Gray, 1842): 1, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros caffer* (Sundevall, 1846): 7, *Hipposideros tephrus* (Cabrera, 1906): 21, *Hypsugo savii* (Bonaparte, 1837): 1, *Macronycteris gigas* (Wagner, 1845): 1, *Micropteropus pusillus* (Peters, 1868): 18, *Mops (Mops) condylurus* (A. Smith, 1833): 126, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 4, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 5, *Neoromicia capensis* (A. Smith, 1829): 6, *Neoromicia guineensis* (Bocage, 1889): 2, *Neoromicia nana* (Peters, 1852): 27, *Neoromicia rendalli* (Thomas, 1889): 1, *Neoromicia somalica* (Thomas, 1901): 2, *Nycteris gambiensis* (K. Andersen, 1912): 84, *Nycteris hispida* (Schreber, 1774): 48, *Nycteris macrotis* Dobson, 1876: 14, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pipistrellus inexspectatus* Aellen, 1959: 2, *Pipistrellus nanulus* Thomas, 1904: 2, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rhinolophus landeri* Martin, 1838: 1, *Scotoecus albofuscus* (Thomas, 1890): 1, *Scotoecus hirundo* (de Winton, 1899): 18, *Scotophilus dinganii* (A. Smith, 1833): 7, *Scotophilus leucogaster* (Cretzschmar, 1826): 45, *Scotophilus viridis* (Peters, 1852): 19, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [1004].
Botswana:
Chaerephon chapini J.A. Allen, 1917: 9, *Chaerephon nigeriae* Thomas, 1913: 9, *Chaerephon pumilus* (Cretzschmar, 1826): 100, *Epomophorus* Bennett, 1836: 4, *Epomophorus crypturus* Peters, 1852: 29, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros caffer* (Sundevall, 1846): 33, *Kerivoula lanosa* (A. Smith, 1847): 4, *Laephotis botswanae* Setzer, 1971: 3, *Macronycteris vittatus* (Peters, 1852): 58, *Mops (Mops) condylurus* (A. Smith, 1833): 28, *Mops (Mops) midas* (Sundevall, 1843): 10, *Neoromicia capensis* (A. Smith, 1829): 73, *Neoromicia nana* (Peters, 1852): 6, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 2, *Neoromicia zuluensis* (Roberts, 1924): 2, *Nycteris hispida* (Schreber, 1774): 4, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 127, *Nycticeinops schlieffenii* (Peters, 1859): 6, *Pipistrellus rueppellii* (Fischer, 1829): 8, *Pipistrellus rusticus* (Tomes, 1861): 22, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus denti* Thomas, 1904: 171, *Sauromys petrophilus* (Roberts, 1917): 2, *Scotophilus dinganii* (A. Smith, 1833): 50, *Scotophilus leucogaster* (Cretzschmar, 1826): 44, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 13, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 11, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 10, [844].
Burkina Faso:
Chaerephon major (Trouessart, 1897): 42, *Chaerephon pumilus* (Cretzschmar, 1826): 57, *Eidolon helvum* (Kerr, 1792): 5, *Epomophorus gambianus* (Ogilby, 1835): 177, *Hipposideros abae* J.A. Allen, 1917: 4, *Hipposideros jonesi* Hayman, 1947: 38, *Hipposideros ruber* (Noack, 1893): 45, *Hipposideros tephrus* (Cabrera, 1906): 13, *Hypsignathus monstrosus* H. Allen, 1862: 12,

Lavia frons (E. Geoffroy St.-Hilaire, 1810): 37, *Macronycteris gigas* (Wagner, 1845): 3, *Micropteropus pusillus* (Peters, 1868): 4, *Mops (Mops) midas* (Sundevall, 1843): 1, *Myonycteris angolensis* (Bocage, 1898): 2, *Neromicia guineensis* (Bocage, 1889): 2, *Neromicia nana* (Peters, 1852): 1, *Neromicia somalica* (Thomas, 1901): 1, *Nycteris gambiensis* (K. Andersen, 1912): 171, *Nycteris hispida* (Schreber, 1774): 192, *Nycteris macrotis* Dobson, 1876: 102, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 160, *Nycticeinops schlieffenii* (Peters, 1859): 10, *Pipistrellus nanulus* Thomas, 1904: 1, *Rhinolophus fumigatus* Rüppell, 1842: 4, *Rhinolophus landeri* Martin, 1838: 12, *Scotophilus leucogaster* (Cretzschmar, 1826): 11, *Scotophilus viridis* (Peters, 1852): 2, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 32, [1141].

Burundi:

Pipistrellus Kaup, 1829: 1, [1].

Cameroon:

Doryrhina cyclops (Temminck, 1853): 7, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Epomops franqueti* (Tomes, 1860): 12, *Glauconycteris alboguttata* J.A. Allen, 1917: 1, *Glauconycteris beatrix* Thomas, 1901: 2, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros curtus* G.M. Allen, 1921: 1, *Hipposideros fuliginosus* (Temminck, 1853): 1, *Hipposideros ruber* (Noack, 1893): 5, *Kerivoula phalaena* Thomas, 1912: 1, *Macronycteris gigas* (Wagner, 1845): 2, *Megaloglossus woermanni* Pagenstecher, 1885: 8, *Myonycteris torquata* (Dobson, 1878): 2, *Nanonycteris veldkampii* (Jentink, 1888): 2, *Nycteris arge* Thomas, 1903: 4, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris intermedia* Aellen, 1959: 1, *Nycteris macrotis* Dobson, 1876: 15, *Pipistrellus nanulus* Thomas, 1904: 1, *Rhinolophus alcyone* Temminck, 1853: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotonycteris zenkeri* Matschie, 1894: 1, [76].

Cape Verde:

Hypsugo savii (Bonaparte, 1837): 2, [2].

Chad:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 4, *Chaerephon pumilus* (Cretzschmar, 1826): 3, *Epomophorus gambianus* (Ogilby, 1835): 2, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris macrotis* Dobson, 1876: 2, *Nycticeinops schlieffenii* (Peters, 1859): 1, [18].

Comoros:

Rousettus obliviosus Kock, 1978: 1, [1].

Congo (Democratic Republic of the):

Chaerephon aloysiisabaudiae (Festa, 1907): 1, *Chaerephon major* (Trouessart, 1897): 8, *Chaerephon nigeriae* Thomas, 1913: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 8, *Chaerephon russatus* J.A. Allen, 1917: 1, *Doryrhina cyclops* (Temminck, 1853): 3, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus labiatus* (Temminck, 1837): 2, *Epomops franqueti* (Tomes, 1860): 6, *Glauconycteris argentata* (Dobson, 1875): 1, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hipposideros caffer* (Sundevall, 1846): 7, *Hipposideros fuliginosus* (Temminck, 1853): 1, *Hipposideros ruber* (Noack, 1893): 20, *Hypsignathus monstrosus* H. Allen, 1862: 3, *Macronycteris gigas* (Wagner, 1845): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 1, *Micropteropus pusillus* (Peters, 1868): 1, *Mimetillus moloneyi* (Thomas, 1891): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 13, *Mops (Mops) congicus* J.A. Allen, 1917: 7, *Mops (Mops) midas* (Sundevall, 1843): 2, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 3, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 6, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 3, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 13, *Myonycteris angolensis* (Bocage, 1898): 10, *Myonycteris torquata* (Dobson, 1878): 2, *Myotis bocagii* (Peters, 1870): 6, *Myotis bocagii bocagii* (Peters, 1870): 3, *Neromicia nana* (Peters, 1852): 19, *Neromicia tenuipinnis* (Peters, 1872): 5, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 11, *Saccolaimus peli* (Temminck, 1853): 4, *Scotophilus dinganii* (A. Smith, 1833): 4, *Scotophilus nux* Thomas, 1904: 6, *Stenonycteris lanosus* (Thomas, 1906): 4, [201].

Côte d'Ivoire:

Eidolon helvum (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 10, *Epomops buettikoferi* (Matschie, 1899): 18, *Epomops franqueti* (Tomes, 1860): 3, *Glauconycteris poensis* (Gray, 1842): 4, *Hypsignathus monstrosus* H. Allen, 1862: 14, *Hypsugo eisentrauti* (Hill, 1968): 2, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 1, *Micropteropus pusillus* (Peters, 1868): 4, *Myonycteris angolensis smithii* (Thomas, 1908): 37, *Myonycteris leptodon* K. Andersen, 1908: 2, *Myotis bocagii cupreolus* Thomas, 1904: 1, *Nanonycteris veldkampii* (Jentink, 1888): 2, *Neromicia brunnea* (Thomas, 1880): 5, *Neromicia guineensis* (Bocage, 1889): 4, *Neromicia nana* (Peters, 1852): 2, *Neromicia tenuipinnis* (Peters, 1872): 6, *Nycteris arge* Thomas, 1903: 9, *Nycteris gambiensis* (K. Andersen, 1912): 19, *Nycteris grandis* Peters, 1865: 2, *Nycteris hispida* (Schreber, 1774): 14, *Nycteris macrotis* Dobson, 1876: 9, *Nycteris major* (K. Andersen, 1912): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Scotonycteris occidentalis* Hayman, 1947: 4, *Scotophilus viridis* (Peters, 1852): 3, [179].

Djibouti:

Rhinopoma cystops Thomas, 1903: 2, [2].

Egypt:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 128, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 116, *Otonycteris hemprichii* Peters, 1859: 51, *Pipistrellus kuhlii* (Kuhl, 1817): 184, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829): 7, *Plecotus christii* Gray, 1838: 9, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 164, *Rhinolophus mehelyi* Matschie, 1901: 118, *Rhinopoma cystops* Thomas, 1903: 103, *Rhinopoma microphyllum* (Brünnich, 1782): 27, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 49, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 9, *Tadarida teniotis* (Rafinesque, 1814): 29, *Taphozous nudiventris* Cretzschmar, 1830: 29, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 95, [1121].

Equatorial Guinea:

Eidolon helvum (Kerr, 1792): 1, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 2, [3].

Eritrea:

Chaerephon pumilus (Cretzschmar, 1826): 6, [6].

Ethiopia:

Cardioderma cor (Peters, 1872): 20, *Chaerephon nigeriae* Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 7, *Eidolon helvum* (Kerr, 1792): 7, *Epomophorus* Bennett, 1836: 5, *Epomophorus gambianus* (Ogilby, 1835): 39, *Epomophorus labiatus* (Temminck, 1837): 53, *Epomophorus minimus* Claessen & De Vree, 1991: 46, *Laephotis wintoni* Thomas, 1901: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 16, *Macronycteris vittatus* (Peters, 1852): 1, *Micropteropus pusillus* (Peters, 1868): 23, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Myonycteris angolensis* (Bocage, 1898): 3, *Neromicia nana* (Peters, 1852): 16, *Neromicia tenuipinnis* (Peters, 1872): 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris hispida* (Schreber, 1774): 8, *Nycteris parisii* (de Beaux, 1924): 1, *Nycticeinops schlieffenii* (Peters, 1859): 3, *Pipistrellus* Kaup, 1829: 5, *Platymops setiger macmillani* Thomas, 1906: 1, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 4, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 5, *Scotoecus hirundo* (de Winton, 1899): 4, *Scotophilus dinganii* (A. Smith, 1833):

17, *Scotophilus leucogaster* (Cretzschmar, 1826): 5, *Taphozous* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [301].

Gabon:

Doryrhina cyclops (Temminck, 1853): 2, *Epomophorus gambianus* (Ogilby, 1835): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 139, *Epomops franqueti* (Tomes, 1860): 13, *Glauconycteris beatrix* Thomas, 1901: 1, *Glauconycteris curryae* Eger and Schlitter, 2001: 1, *Hipposideros caffer* (Sundevall, 1846): 3, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Kerivoula phalaena* Thomas, 1912: 1, *Macronycteris gigas* (Wagner, 1845): 1, *Megaloglossus woermanni* Pagenstecher, 1885: 8, *Micropteropus pusillus* (Peters, 1868): 2, *Myonycteris torquata* (Dobson, 1878): 25, *Nanonycteris veldkampii* (Jentink, 1888): 4, *Neoromicia brunnea* (Thomas, 1880): 3, *Neoromicia tenuipinnis* (Peters, 1872): 3, *Nycteris arge* Thomas, 1903: 1, *Nycteris grandis* Peters, 1865: 2, *Nycteris hispida* (Schreber, 1774): 3, *Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 2, [218].

Ghana:

Chaerephon aloysiisabaudiae (Festa, 1907): 8, *Chaerephon major* (Trouessart, 1897): 24, *Chaerephon nigeriae nigeriae* Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 122, *Doryrhina cyclops* (Temminck, 1853): 44, *Eidolon helvum* (Kerr, 1792): 38, *Epomophorus gambianus* (Ogilby, 1835): 466, *Epomops buettikoferi* (Matschie, 1899): 73, *Epomops franqueti* (Tomes, 1860): 251, *Glauconycteris beatrix* Thomas, 1901: 1, *Glauconycteris poensis* (Gray, 1842): 30, *Glauconycteris variegata* (Tomes, 1861): 2, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros beatus* (K. Andersen, 1906): 6, *Hipposideros caffer* (Sundevall, 1846): 2, *Hipposideros fuliginosus* (Temminck, 1853): 51, *Hipposideros jonesi* Hayman, 1947: 7, *Hipposideros ruber* (Noack, 1893): 31, *Hipposideros tephrus* (Cabrera, 1906): 115, *Hypsignathus monstrosus* H. Allen, 1862: 24, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 11, *Macronycteris gigas* (Wagner, 1845): 16, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 52, *Micropteropus pusillus* (Peters, 1868): 279, *Mimetillus moloneyi* (Thomas, 1891): 9, *Mops (Mops) condylurus* (A. Smith, 1833): 473, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 97, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 20, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 49, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 264, *Myonycteris angolensis* (Bocage, 1898): 35, *Myonycteris leptodon* K. Andersen, 1908: 63, *Myotis bocagii cupreolus* Thomas, 1904: 2, *Nanonycteris veldkampii* (Jentink, 1888): 45, *Neoromicia brunnea* (Thomas, 1880): 2, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 14, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 9, *Neoromicia tenuipinnis* (Peters, 1872): 14, *Nycteris arge* Thomas, 1903: 8, *Nycteris gambiensis* (K. Andersen, 1912): 135, *Nycteris grandis* Peters, 1865: 12, *Nycteris hispida* (Schreber, 1774): 99, *Nycteris intermedia* Aellen, 1959: 1, *Nycteris macrotis* Dobson, 1876: 251, *Nycteris nana* (K. Andersen, 1912): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 21, *Otomops martiensseni* (Matschie, 1897): 1, *Pipistrellus inexspectatus* Aellen, 1959: 1, *Pipistrellus nanulus* Thomas, 1904: 3, *Rhinolophus alcyone* Temminck, 1853: 1, *Rhinolophus denti* Thomas, 1904: 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus landeri* Martin, 1838: 13, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 8, *Saccolaimus peli* (Temminck, 1853): 4, *Scotoecus hirundo* (de Winton, 1899): 13, *Scotonycteris occidentalis* Hayman, 1947: 24, *Scotophilus dinganii* (A. Smith, 1833): 25, *Scotophilus leucogaster* (Cretzschmar, 1826): 24, *Scotophilus nigrita* (Schreber, 1774): 2, *Scotophilus nucella* Robbins, 1983: 4, *Scotophilus nux* Thomas, 1904: 4, *Scotophilus viridis* (Peters, 1852): 60, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 6, [3480].

Guinea-Bissau:

Epomophorus gambianus (Ogilby, 1835): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 2, [3].

Kenya:

Cardioderma cor (Peters, 1872): 38, *Chaerephon bivittatus* (Heuglin, 1861): 66, *Chaerephon pumilus* (Cretzschmar, 1826): 358, *Coleura afra* (Peters, 1852): 35, *Epomophorus labiatus* (Temminck, 1837): 75, *Epomophorus minimus* Claessen & De Vree, 1991: 5, *Epomophorus minor* Dobson, 1880: 5, *Epomophorus wahlbergi* (Sundevall, 1846): 53, *Eptesicus hottentotus* (A. Smith, 1833): 1, *Glauconycteris argentata* (Dobson, 1875): 3, *Hipposideros caffer* (Sundevall, 1846): 66, *Hipposideros megalotis* (Heuglin, 1861): 2, *Hipposideros ruber* (Noack, 1893): 90, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 48, *Macronycteris vittatus* (Peters, 1852): 23, *Micropteropus pusillus* (Peters, 1868): 1, *Miniopterus africanus* Sanborn, 1936: 73, *Miniopterus inflatus inflatus* Thomas, 1903: 10, *Miniopterus minor* Peters, 1867: 1, *Miniopterus natalensis* (A. Smith, 1833): 129, *Mops (Mops) condylurus* (A. Smith, 1833): 154, *Myonycteris angolensis* (Bocage, 1898): 16, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 2, *Myotis bocagii bocagii* (Peters, 1870): 2, *Myotis tricolor* (Temminck, 1832): 23, *Neoromicia capensis* (A. Smith, 1829): 12, *Neoromicia helios* (Heller, 1912): 1, *Neoromicia nana* (Peters, 1852): 45, *Neoromicia rendalli* (Thomas, 1889): 15, *Neoromicia somalica* (Thomas, 1901): 14, *Neoromicia tenuipinnis* (Peters, 1872): 8, *Nycteris arge* Thomas, 1903: 1, *Nycteris aurita* (K. Andersen, 1912): 6, *Nycteris hispida* (Schreber, 1774): 5, *Nycteris macrotis* Dobson, 1876: 12, *Nycteris nana* (K. Andersen, 1912): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 24, *Nycticeinops schlieffenii* (Peters, 1859): 23, *Otomops* Thomas, 1913: 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 50, *Pipistrellus* Kaup, 1829: 5, *Pipistrellus aero* Heller, 1912: 6, *Pipistrellus hesperidus* (Temminck, 1840): 3, *Pipistrellus hesperidus hesperidus* (Temminck, 1840): 17, *Pipistrellus inexspectatus* Aellen, 1959: 1, *Pipistrellus nanulus* Thomas, 1904: 2, *Platymops setiger* (Peters, 1878): 1, *Platymops setiger setiger* (Peters, 1878): 7, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 67, *Rhinolophus deckenii* Peters, 1868: 1, *Rhinolophus eloquens* K. Andersen, 1905: 54, *Rhinolophus hildebrandtii* Peters, 1878: 48, *Rhinolophus lobatus* Peters, 1852: 46, *Rhinolophus simulator* K. Andersen, 1904: 4, *Rhinopoma macinnesi* Hayman, 1937: 6, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 10, *Scotoecus hindei* Thomas, 1901: 5, *Scotoecus hirundo* (de Winton, 1899): 47, *Scotophilus dinganii* (A. Smith, 1833): 68, *Scotophilus nux* Thomas, 1904: 1, *Scotophilus viridis* (Peters, 1852): 1, *Stenonycteris lanosus* (Thomas, 1906): 21, *Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 5, *Tadarida fulminans* (Thomas, 1903): 1, *Taphozous hildegardeae* Thomas, 1909: 13, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 4, *Triaenops afer* Peters, 1877: 13, [1956].

Lesotho:

Neoromicia capensis (A. Smith, 1829): 17, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 2, [19].

Liberia:

Casinycteris ophiodon (Pohle, 1943): 4, *Eidolon helvum* (Kerr, 1792): 1, *Epomops buettikoferi* (Matschie, 1899): 10, *Epomops franqueti* (Tomes, 1860): 23, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros fuliginosus* (Temminck, 1853): 10, *Hipposideros lamottei* Brosset, 1985: 1, *Hipposideros ruber* (Noack, 1893): 11, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 8, *Micropteropus pusillus* (Peters, 1868): 1, *Mimetillus moloneyi* (Thomas, 1891): 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 1, *Myonycteris angolensis* (Bocage, 1898): 1, *Myonycteris leptodon* K. Andersen, 1908: 18, *Neoromicia nana* (Peters, 1852): 6, *Neoromicia tenuipinnis* (Peters, 1872): 4, *Nycteris hispida* (Schreber, 1774): 1, *Pipistrellus* Kaup, 1829: 1, *Saccolaimus peli* (Temminck, 1853): 18, *Scotonycteris occidentalis* Hayman, 1947: 6, [127].

Libya:

Otonycteris hemprichii Peters, 1859: 2, *Pipistrellus pipistrellus* (Schreber, 1774): 1, [3].

Madagascar:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010: 12, *Chaerephon leucogaster* (A. Grandidier, 1869): 4, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 8, *Miniopterus* Bonaparte, 1837: 28, *Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011: 3, *Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009: 3, *Miniopterus majori* Thomas, 1906: 25, *Miniopterus manavi* Thomas, 1906: 59, *Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008: 52, *Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007: 3, *Mops (Mops) condylurus* (A. Smith, 1833): 101, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 1, *Mops (Mops) midas* (Sundevall, 1843): 33, *Mormopterus jugularis* (Peters, 1865): 123, *Myotis goudoti* (A. Smith, 1834): 35, *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878: 19, *Neoromicia capensis* (A. Smith, 1829): 7, *Paremballonura atrata* (Peters, 1874): 5, *Pteropus* Erxleben, 1777: 2, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 24, *Rousettus madagascariensis* G. Grandidier, 1929: 71, *Triaenops menamena* Goodman and Ranivo, 2009: 1, [620].

Mauritania:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 42, *Hipposideros tephrus* (Cabrera, 1906): 5, *Mops (Mops) condylurus* (A. Smith, 1833): 103, *Nycteris hispida* (Schreber, 1774): 177, *Nycticeinops schlieffenii* (Peters, 1859): 12, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Rhinopoma cystops* Thomas, 1903: 34, *Rhinopoma microphyllum* (Brünnich, 1782): 46, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [424].

Mauritius:

Pteropus niger (Kerr, 1792): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, [2].

Morocco:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 49, *Hipposideros tephrus* (Cabrera, 1906): 1, *Hypsugo savii* (Bonaparte, 1837): 1, *Miniopterus schreibersii* (Kuhl, 1817): 160, *Myotis capaccinii* (Bonaparte, 1837): 9, *Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806): 3, *Myotis punicus* Felten, 1977: 302, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 20, *Pipistrellus kuhlii* (Kuhl, 1817): 140, *Pipistrellus pipistrellus* (Schreber, 1774): 7, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Plecotus christii* Gray, 1838: 2, *Plecotus teneriffae* Barrett-Hamilton, 1907: 38, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus euryale* Blasius, 1853: 64, *Rhinolophus ferrumequinum* (Schreber, 1774): 34, *Rhinolophus hipposideros* (Bechstein, 1800): 14, *Rhinolophus mehelyi* Matschie, 1901: 66, *Rhinopoma cystops* Thomas, 1903: 71, *Rhinopoma microphyllum* (Brünnich, 1782): 4, *Tadarida teniotis* (Rafinesque, 1814): 3, [990].

Mozambique:

Chaerephon ansorgei (Thomas, 1913): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 79, *Epomophorus crypturus* Peters, 1852: 13, *Epomophorus wahlbergi* (Sundevall, 1846): 37, *Eptesicus hottentotus* (A. Smith, 1833): 5, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 39, *Hipposideros ruber* (Noack, 1893): 59, *Miniopterus fraterculus* Thomas and Schwann, 1906: 1, *Miniopterus natalensis* (A. Smith, 1833): 45, *Mops (Mops) condylurus* (A. Smith, 1833): 329, *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926: 2, *Neoromicia* Roberts, 1926: 9, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 148, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 104, *Nycteris woodi* K. Andersen, 1914: 1, *Nycticeinops schlieffenii* (Peters, 1859): 6, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rhinolophus lobatus* Peters, 1852: 25, *Rhinolophus rhodesiae* Roberts, 1946: 3, *Rhinolophus simulator* K. Andersen, 1904: 5, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 21, *Sauromys petrophilus* (Roberts, 1917): 14, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus viridis* (Peters, 1852): 22, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 12, *Tadarida fulminans* (Thomas, 1903): 7, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, *Triaenops afer* Peters, 1877: 56, [1060].

Namibia:

Eptesicus Rafinesque, 1820: 1, *Eptesicus hottentotus* (A. Smith, 1833): 3, *Laephotis namibensis* Setzer, 1971: 2, *Miniopterus natalensis* (A. Smith, 1833): 1, *Mops (Mops) midas* (Sundevall, 1843): 1, *Neoromicia capensis* (A. Smith, 1829): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 16, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Sauromys petrophilus* (Roberts, 1917): 7, *Sauromys petrophilus erongensis* (Roberts, 1946): 3, *Scotophilus dinganii* (A. Smith, 1833): 7, *Scotophilus leucogaster* (Cretzschmar, 1826): 3, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 11, [60].

Niger:

Chaerephon pumilus (Cretzschmar, 1826): 4, *Epomophorus gambianus* (Ogilby, 1835): 3, *Hipposideros* Gray, 1831: 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 2, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 5, *Neoromicia rendalli* (Thomas, 1889): 1, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus viridis* (Peters, 1852): 2, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [24].

Nigeria:

Chaerephon nigeriae nigeriae Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 141, *Coleura afra* (Peters, 1852): 43, *Eidolon helvum* (Kerr, 1792): 69, *Epomophorus gambianus* (Ogilby, 1835): 145, *Epomops franqueti* (Tomes, 1860): 52, *Glauconycteris variegata* (Tomes, 1861): 3, *Hipposideros* Gray, 1831: 100, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros caffer* (Sundevall, 1846): 122, *Hipposideros jonesi* Hayman, 1947: 1, *Hipposideros ruber* (Noack, 1893): 35, *Hipposideros tephrus* (Cabrera, 1906): 36, *Hypsignathus monstrosus* H. Allen, 1862: 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 2, *Megaloglossus woermanni* Pagenstecher, 1885: 1, *Micropteropus pusillus* (Peters, 1868): 90, *Mops (Mops) condylurus* (A. Smith, 1833): 241, *Myonycteris angolensis* (Bocage, 1898): 2, *Myonycteris torquata* (Dobson, 1878): 4, *Myopterus whitleyi* (Scharff, 1900): 1, *Neoromicia nana* (Peters, 1852): 6, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris gambiensis* (K. Andersen, 1912): 45, *Nycteris hispida* (Schreber, 1774): 32, *Nycteris macrotis* Dobson, 1876: 26, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 98, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinolophus landeri* Martin, 1838: 70, *Saccolaimus peli* (Temminck, 1853): 5, *Scotophilus dinganii* (A. Smith, 1833): 29, *Scotophilus leucogaster* (Cretzschmar, 1826): 46, *Scotophilus nigrita* (Schreber, 1774): 1, *Scotophilus nux* Thomas, 1904: 11, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 16, [1490].

Portugal:

Nyctalus azoreum (Thomas, 1901): 1, [1].

São Tomé and Principé:

Eidolon helvum (Kerr, 1792): 1, [1].

Senegal:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 84, *Chaerephon pumilus* (Cretzschmar, 1826): 3, *Eidolon helvum* (Kerr, 1792): 4, *Eidolon helvum helvum* (Kerr, 1792): 73, *Epomophorus gambianus* (Ogilby, 1835): 16, *Hipposideros beatus* (K. Andersen, 1906): 5, *Hipposideros caffer* (Sundevall, 1846): 9, *Hipposideros ruber* (Noack, 1893): 18, *Hipposideros tephrus* (Cabrera, 1906): 34, *Mops (Mops) condylurus* (A. Smith, 1833): 109, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Myopterus daubentonii* Desmarest, 1820: 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris gambiensis* (K. Andersen, 1912): 61, *Nycteris hispida* (Schreber, 1774): 23, *Nycteris macrotis* Dobson, 1876: 81, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Rhinolophus fumigatus* Rüppell, 1842: 77, *Rhinolophus landeri* Martin, 1838: 56, *Scotophilus leucogaster* (Cretzschmar, 1826): 24, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 38, [719].

Seychelles:

Chaerephon pumilus (Cretzschmar, 1826): 1, *Chaerephon pusillus* (Miller, 1902): 2, *Pteropus aldabrensis* True, 1893: 6, *Pteropus seychellensis* A. Milne-Edwards, 1877: 5, [14].

Sierra Leone:

Chaerephon bemmeleni (Jentink, 1879): 1, *Chaerephon nigeriae nigeriae* Thomas, 1913: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 15, *Doryrhina cyclops* (Temminck, 1853): 3, *Eidolon helvum* (Kerr, 1792): 4, *Epomophorus gambianus* (Ogilby, 1835): 1, *Epomops franqueti* (Tomes, 1860): 71, *Glauconycteris poensis* (Gray, 1842): 2, *Hipposideros abae* J.A. Allen, 1917: 11, *Hipposideros caffer* (Sundevall, 1846): 9, *Hipposideros fuliginosus* (Temminck, 1853): 2, *Hipposideros ruber* (Noack, 1893): 72, *Hipposideros tephrus* (Cabrera, 1906): 8, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Hypsugo musciculus* (Thomas, 1913): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris gigas* (Wagner, 1845): 1, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 1, *Micropteropus pusillus* (Peters, 1868): 15, *Mimetillus moloneyi* (Thomas, 1891): 3, *Miniopterus inflatus* Thomas, 1903: 6, *Mops (Mops) condylurus* (A. Smith, 1833): 20, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 2, *Mops (Xiphonycteris) spurrelli* (Dollman, 1911): 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 10, *Myonycteris angolensis* (Bocage, 1898): 1, *Myotis bocagii cupreolus* Thomas, 1904: 3, *Neoromicia brunnea* (Thomas, 1880): 3, *Neoromicia nana* (Peters, 1852): 18, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 4, *Neoromicia tenuipinnis* (Peters, 1872): 5, *Nycteris arge* Thomas, 1903: 1, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 3, *Pipistrellus inexspectatus* Aellen, 1959: 1, *Pipistrellus nanulus* Thomas, 1904: 6, *Rhinolophus alcyone* Temminck, 1853: 21, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 64, *Scotoecus albofuscus* (Thomas, 1890): 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Scotophilus nux* Thomas, 1904: 1, *Scotophilus viridis* (Peters, 1852): 2, [403].

Somalia:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 7, *Cardioderma cor* (Peters, 1872): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Nycteris hispida* (Schreber, 1774): 1, [14].

South Africa:

Chaerephon pumilus (Cretzschmar, 1826): 88, *Cistugo seabrae* Thomas, 1912: 1, *Cloeotis percivali* Thomas, 1901: 1, *Epomophorus crypturus* Peters, 1852: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 14, *Eptesicus hottentotus* (A. Smith, 1833): 2, *Glauconycteris* Dobson, 1875: 1, *Hipposideros caffer* (Sundevall, 1846): 4, *Miniopterus fraterculus* Thomas and Schwann, 1906: 14, *Miniopterus natalensis* (A. Smith, 1833): 176, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Mops (Mops) midas* (Sundevall, 1843): 10, *Myotis tricolor* (Temminck, 1832): 5, *Neoromicia capensis* (A. Smith, 1829): 106, *Neoromicia nana* (Peters, 1852): 37, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 27, *Pipistrellus* Kaup, 1829: 2, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus capensis* Lichtenstein, 1823: 6, *Rhinolophus clivosus* Cretzschmar, 1828: 223, *Rhinolophus damarensis* Roberts, 1946: 14, *Rhinolophus darlingi* K. Andersen, 1905: 7, *Rhinolophus denti* Thomas, 1904: 4, *Rhinolophus simulator* K. Andersen, 1904: 7, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 18, *Rhinolophus swinnyi* Gough, 1908: 1, *Sauromys petrophilus* (Roberts, 1917): 4, *Sauromys petrophilus haagneri* (Roberts, 1917): 9, *Scotophilus dinganii* (A. Smith, 1833): 11, *Scotophilus viridis* (Peters, 1852): 4, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 13, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 14, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [829].

South Sudan:

Cardioderma cor (Peters, 1872): 2, *Chaerephon* Dobson, 1874: 5, *Chaerephon major* (Trouessart, 1897): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 26, *Coleura afra* (Peters, 1852): 6, *Eidolon helvum* (Kerr, 1792): 6, *Epomophorus* Bennett, 1836: 22, *Epomophorus gambianus* (Ogilby, 1835): 5, *Epomophorus labiatus* (Temminck, 1837): 115, *Epomops franqueti* (Tomes, 1860): 11, *Glauconycteris* Dobson, 1875: 6, *Glauconycteris beatrix* Thomas, 1901: 1, *Glauconycteris poensis* (Gray, 1842): 7, *Glauconycteris superba* Hayman, 1939: 4, *Glauconycteris variegata* (Tomes, 1861): 25, *Hipposideros* Gray, 1831: 46, *Hipposideros caffer* (Sundevall, 1846): 32, *Hipposideros ruber* (Noack, 1893): 83, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Hypsugo anchietae* (Seabra, 1900): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 45, *Micropteropus pusillus* (Peters, 1868): 33, *Miniopterus* Bonaparte, 1837: 4, *Miniopterus natalensis* (A. Smith, 1833): 3, *MOLOSSIDAE* Gervais, 1856: 108, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Neoromicia* Roberts, 1926: 30, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia rendalli* (Thomas, 1889): 2, *Neoromicia somalica* (Thomas, 1901): 6, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Neoromicia zuluensis* (Roberts, 1924): 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 30, *Nycteris aurita* (K. Andersen, 1912): 2, *Nycteris hispida* (Schreber, 1774): 10, *Nycteris macrotis* Dobson, 1876: 5, *Rhinolophus* Lacépède, 1799: 24, *Rhinolophus denti* Thomas, 1904: 5, *Rhinolophus eloquens* K. Andersen, 1905: 5, *Rhinolophus fumigatus* Rüppell, 1842: 4, *Rhinolophus landeri* Martin, 1838: 1, *Rhinolophus simulator* K. Andersen, 1904: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotoecus* Thomas, 1901: 22, *Scotoecus hirundo* (de Winton, 1899): 2, *Scotophilus* Leach, 1821: 45, *Scotophilus viridis* (Peters, 1852): 2, *Taphozous* E. Geoffroy St.-Hilaire, 1818: 2, *Taphozous hamiltoni* Thomas, 1920: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 5, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 10, *VESPERTILIONOIDEA* Gray, 1821: 20, [839].

Sudan:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 2, *Chaerephon pumilus* (Cretzschmar, 1826): 5, *Hipposideros tephrus* (Cabrera, 1906): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus rueppellii* (Fischer, 1829): 9, *Rhinopoma cystops* Thomas, 1903: 1, *Taphozous nudiventris* Cretzschmar, 1830: 1, *Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [22].

Tanzania:

Cardioderma cor (Peters, 1872): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 8, *Coleura afra* (Peters, 1852): 1, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus labiatus* (Temminck, 1837): 3, *Epomophorus minor* Dobson, 1880: 2, *Epomophorus wahlbergi* (Sundevall, 1846): 7, *Glauconycteris argentata* (Dobson, 1875): 3, *Hipposideros caffer* (Sundevall, 1846): 4, *Hipposideros ruber* (Noack, 1893): 649, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris vittatus* (Peters, 1852): 3, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia rendalli* (Thomas, 1889): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 56, *Rhinolophus lobatus* Peters, 1852: 8, *Scotophilus dinganii* (A. Smith, 1833): 4, *Stenonycteris lanosus* (Thomas, 1906): 1, *Triaenops afer* Peters, 1877: 51, [810].

The Gambia:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 32, *Chaerephon pumilus* (Cretzschmar, 1826): 5, *Doryrhina cyclops* (Temminck, 1853): 1, *Epomophorus gambianus* (Ogilby, 1835): 11, *Hipposideros tephrus* (Cabrera, 1906): 11, *Micropteropus pusillus* (Peters, 1868): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 3, *Nycteris gambiensis* (K. Andersen, 1912): 22, *Nycteris macrotis* Dobson, 1876: 25, *Rhinolophus landeri* Martin, 1838: 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [115].

Togo:

Chaerephon major (Trouessart, 1897): 52, *Chaerephon pumilus* (Cretzschmar, 1826): 74, *Doryrhina cyclops* (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 6, *Epomophorus gambianus* (Ogilby, 1835): 10, *Epomops franqueti* (Tomes, 1860): 2, *Glauconycteris poensis* (Gray, 1842): 2, *Hipposideros caffer* (Sundevall, 1846): 10, *Hipposideros ruber* (Noack, 1893): 25, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 75, *Macronycteris gigas* (Wagner, 1845): 3, *Micropteropus pusillus* (Peters, 1868): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 60, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 6, *Myonycteris angolensis* (Bocage, 1898): 1, *Neoromicia nana* (Peters, 1852): 15, *Nycteris gambiensis* (K. Andersen, 1912): 6, *Nycteris grandis* Peters, 1865: 6, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris macrotis* Dobson, 1876: 12, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus fumigatus* Rüppell, 1842: 68, *Scotophilus dinganii* (A. Smith, 1833): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous nudiventris* Cretzschmar, 1830: 8, [454].

Tunisia:

Miniopterus schreibersii (Kuhl, 1817): 4, *Myotis punicus* Felten, 1977: 4, *Rhinolophus mehelyi* Matschie, 1901: 1, [9].

Uganda:

Doryrhina cyclops (Temminck, 1853): 8, *Epomophorus labiatus* (Temminck, 1837): 25, *Epomophorus minimus* Claessen & De Vree, 1991: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 47, *Micropteropus pusillus* (Peters, 1868): 1, *Myonycteris angolensis* (Bocage, 1898): 1, *Myotis bocagii bocagii* (Peters, 1870): 2, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia somalica* (Thomas, 1901): 7, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Pipistrellus* Kaup, 1829: 25, *Rhinolophus clivosus* Cretzschmar, 1828: 4, *Saccolaimus peli* (Temminck, 1853): 4, *Scotoecus albigula* Thomas, 1909: 2, *Scotophilus dinganii* (A. Smith, 1833): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [133].

Zambia:

Chaerephon nigeriae spillmanni (Monard, 1933): 2, *Eidolon helvum* (Kerr, 1792): 1, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus natalensis* (A. Smith, 1833): 3, *Mops* Lesson, 1842: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 1, [9].

Zimbabwe:

Chaerephon pumilus (Cretzschmar, 1826): 1, *Cloeotis percivali* Thomas, 1901: 1, *Epomophorus crypturus* Peters, 1852: 8, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Hipposideros caffer* (Sundevall, 1846): 3, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Mops* Lesson, 1842: 6, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia nana* (Peters, 1852): 77, *Nycteris grandis* Peters, 1865: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 15, *Rhinolophus clivosus* Cretzschmar, 1828: 5, *Rhinolophus darlingi* K. Andersen, 1905: 2, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinolophus rhodesiae* Roberts, 1946: 1, *Rhinolophus simulator* K. Andersen, 1904: 1, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 4, *Scotophilus dinganii* (A. Smith, 1833): 5, *Scotophilus leucogaster* (Cretzschmar, 1826): 9, [148].

Total Specimens for USNM: 19970

UWBM: Burke Memorial Washington State Museum, University of Washington

Kenya:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: 8, [8].

Zambia:

Rhinolophus simulator K. Andersen, 1904: 1, [1].

Total Specimens for UWBM: 9

UZMZ: University of Zambia, Museum of Zoology

Zambia:

Cloeotis percivali Thomas, 1901: 10, *Miniopterus natalensis* (A. Smith, 1833): 24, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Neoromicia rendalli* (Thomas, 1889): 3, *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: 1, *Neoromicia zuluensis* (Roberts, 1924): 1, *Pipistrellus rusticus* (Tomes, 1861): 1, *Rhinolophus blasii* Peters, 1867: 7, *Rhinolophus rhodesiae* Roberts, 1946: 2, *Rhinolophus simulator* K. Andersen, 1904: 8, *Scotophilus dinganii* (A. Smith, 1833): 3, *Scotophilus viridis* (Peters, 1852): 12, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [74].

Total Specimens for UZMZ: 74

WAM: Western Australian Museum

Botswana:

Neoromicia capensis (A. Smith, 1829): 1, *Scotophilus dinganii* (A. Smith, 1833): 2, [3].

Egypt:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Rhinolophus euryale* Blasius, 1853: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 2, [4].

Ghana:

Hypsignathus monstrosus H. Allen, 1862: 1, *Micropteropus pusillus* (Peters, 1868): 1, *Nanonycteris veldkampii* (Jentink, 1888): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, [5].

Kenya:

Cardioderma cor (Peters, 1872): 3, *Chaerephon bivittatus* (Heuglin, 1861): 3, *Chaerephon pumilus* (Cretzschmar, 1826): 3, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 4, *Hipposideros caffer* (Sundevall, 1846): 4, *Hipposideros megalotis* (Heuglin, 1861): 1, *Hipposideros ruber* (Noack, 1893): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2,

Macronycteris vittatus (Peters, 1852): 1, *Miniopterus* Bonaparte, 1837: 3, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myonycteris angolensis* (Bocage, 1898): 2, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 12, *Neoromicia somalica* (Thomas, 1901): 12, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Otomops martiensseni* (Matschie, 1897): 3, *Platymops setiger* (Peters, 1878): 1, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus deckenii* Peters, 1868: 1, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinolophus hildebrandtii* Peters, 1878: 2, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinopoma cystops* Thomas, 1903: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotoecus hirundo* (de Winton, 1899): 1, *Scotophilus nigrita* (Schreber, 1774): 1, *Stenonycteris lanosus* (Thomas, 1906): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [84].

Malawi:
Chaerephon pumilus (Cretzschmar, 1826): 11, *Epomophorus crypturus* Peters, 1852: 4, *Epomophorus minor* Dobson, 1880: 94, *Epomophorus wahlbergi* (Sundevall, 1846): 4, *Mops (Mops) condylurus* (A. Smith, 1833): 5, *Mops (Mops) demonstrator* (Thomas, 1903): 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, [125].

Mauritius:
Pteropus niger (Kerr, 1792): 1, [1].

Nigeria:
Epomophorus gambianus (Ogilby, 1835): 1, *Micropteropus pusillus* (Peters, 1868): 1, [2].

South Africa:
Chaerephon pumilus (Cretzschmar, 1826): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 7, *Scotophilus viridis* (Peters, 1852): 1, [10].

Sudan:
Coleura afra (Peters, 1852): 1, [1].

Tanzania:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Coleura afra* (Peters, 1852): 4, *Hipposideros ruber* (Noack, 1893): 2, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Triaenops afer* Peters, 1877: 2, [12].

Uganda:
Chaerephon pumilus (Cretzschmar, 1826): 1, [1].

Zambia:
Epomophorus crypturus Peters, 1852: 33, *Hipposideros ruber* (Noack, 1893): 1, *Macronycteris vittatus* (Peters, 1852): 2, *Miniopterus* Bonaparte, 1837: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 9, [48].

Total Specimens for WAM: 296

WNMU: Western New Mexico University (Department of Natural Sciences)

Congo (Democratic Republic of the):
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: 1, [1].

Kenya:
Cardioderma cor (Peters, 1872): 1, *Chaerephon bivittatus* (Heuglin, 1861): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 3, *Coleura afra* (Peters, 1852): 1, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus labiatus* (Temminck, 1837): 4, *Epomophorus minimus* Claessen & De Vree, 1991: 3, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Glauconycteris argentata* (Dobson, 1875): 3, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus natalensis* (A. Smith, 1833): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015: 1, *Pipistrellus* Kaup, 1829: 3, *Platymops setiger* (Peters, 1878): 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rhinolophus lobatus* Peters, 1852: 1, *Rhinopoma cystops* Thomas, 1903: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotoecus hirundo* (de Winton, 1899): 1, *Stenonycteris lanosus* (Thomas, 1906): 1, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Tadarida fulminans* (Thomas, 1903): 1, *Taphozous hamiltoni* Thomas, 1920: 1, *Taphozous hildegardeae* Thomas, 1909: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops afer* Peters, 1877: 1, [42].

South Africa:
Epomophorus wahlbergi (Sundevall, 1846): 14, [14].

Tunisia:
Myotis punicus Felten, 1977: 1, [1].

Zimbabwe:
Glauconycteris variegata (Tomes, 1861): 1, *Neoromicia capensis* (A. Smith, 1829): 3, [4].

Total Specimens for WNMU: 62

YPM: Yale Peabody Museum

"Africa":
CHIROPTERA Blumenbach, 1779: 1, *MOLOSSIDAE* Gervais, 1856: 5, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 4, [10].

Angola:
Epomophorus wahlbergi (Sundevall, 1846): 1, *Epomops franqueti* (Tomes, 1860): 2, *Hipposideros caffer* (Sundevall, 1846): 1, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Megaloglossus woermanni* Pagenstecher, 1885: 2, *Neoromicia nana* (Peters, 1852): 3, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 1, [13].

Cameroon:
CHIROPTERA Blumenbach, 1779: 1, *Doryrhina cyclops* (Temminck, 1853): 1, *Hipposideros* Gray, 1831: 1, *Macronycteris gigas* (Wagner, 1845): 1, *Myonycteris torquata* (Dobson, 1878): 1, *Nanonycteris veldkampii* (Jentink, 1888): 4, *Rousettinae* Andersen, 1912: 17, *Vespertilioninae* Gray, 1821: 1, [27].

Egypt:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 19, *CHIROPTERA* Blumenbach, 1779: 1, *Otonycteris hemprichii* Peters, 1859: 1, *Pipistrellus kuhlii* (Kuhl, 1817): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinopoma cystops* Thomas, 1903: 5, *Rhinopoma*

microphyllum (Brünnich, 1782): 12, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 34, *Taphozous nudiventris* Cretzschmar, 1830: 1, [75].

Equatorial Guinea:

Epomophorus wahlbergi (Sundevall, 1846): 1, *Micropteropus pusillus* (Peters, 1868): 1, [2].

Kenya:

Cardioderma cor (Peters, 1872): 2, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *CHIROPTERA* Blumenbach, 1779: 1, *Epomophorus* Bennett, 1836: 4, *Hipposideros caffer* (Sundevall, 1846): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 6, *Miniopterus* Bonaparte, 1837: 1, *MOLOSSIDAE* Gervais, 1856: 3, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myonycteris angolensis* (Bocage, 1898): 3, *Myotis* Kaup, 1829: 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 18, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus eloquens* K. Andersen, 1905: 1, *Rousettus* Gray, 1821: 8, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 2, *Tadarida* Rafinesque, 1814: 12, [69].

Liberia:

Casinycteris ophiodon (Pohle, 1943): 1, *CHIROPTERA* Blumenbach, 1779: 6, [7].

Madagascar:

Chaerephon pumilus (Cretzschmar, 1826): 9, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 1, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 1, *Neoromicia matroka* (Thomas and Schwann, 1905): 1, [12].

South Africa:

Epomophorus crypturus Peters, 1852: 1, *Neoromicia nana* (Peters, 1852): 1, [2].

Tanzania:

Cardioderma cor (Peters, 1872): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Epomophorus* Bennett, 1836: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 5, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Nycteris macrotis* Dobson, 1876: 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus* Lacépède, 1799: 3, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Taphozous* E. Geoffroy St.-Hilaire, 1818: 3, [21].

Zambia:

Eidolon helvum (Kerr, 1792): 1, *Neoromicia nana* (Peters, 1852): 1, [2].

Total Specimens for YPM: 240

ZFMK: Zoologisches Forschungsinstitut und Museum Alexander Koenig

"Africa":

Epomophorus gambianus (Ogilby, 1835): 1, *Nycteris macrotis* Dobson, 1876: 1, [2].

Algeria:

Pipistrellus kuhlii (Kuhl, 1817): 6, *Rhinopoma cystops* Thomas, 1903: 1, [7].

Botswana:

Neoromicia capensis (A. Smith, 1829): 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Scotophilus dinganii* (A. Smith, 1833): 3, [11].

Cameroon:

Hipposideros camerunensis Eisentraut, 1956: 1, *Hypsugo eisentrauti* (Hill, 1968): 4, *Neoromicia nana* (Peters, 1852): 4, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycteris arge* Thomas, 1903: 3, *Nycteris grandis* Peters, 1865: 2, *Nycteris hispida* (Schreber, 1774): 28, *Nycteris macrotis* Dobson, 1876: 10, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 40, *Scotonycteris zenkeri* Matschie, 1894: 5, [100].

Comoros:

Rousettus obliviosus Kock, 1978: 1, [1].

Congo (Democratic Republic of the):

Nycteris arge Thomas, 1903: 3, [3].

Egypt:

Pipistrellus Kaup, 1829: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus clivosus* Cretzschmar, 1828: 24, *Rhinopoma cystops* Thomas, 1903: 3, *Taphozous nudiventris* Cretzschmar, 1830: 4, [33].

Equatorial Guinea:

Pipistrellus nanulus Thomas, 1904: 3, *Scotonycteris zenkeri* Matschie, 1894: 10, [13].

Ethiopia:

Eidolon helvum (Kerr, 1792): 2, *Micropteropus pusillus* (Peters, 1868): 10, *Neoromicia capensis* (A. Smith, 1829): 2, *Neoromicia guineensis* (Bocage, 1889): 6, *Neoromicia zuluensis* (Roberts, 1924): 3, *Nycteris hispida* (Schreber, 1774): 7, *Nycteris macrotis* Dobson, 1876: 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Pipistrellus rusticus* (Tomes, 1861): 3, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus viridis* (Peters, 1852): 16, [53].

Ghana:

Epomops buettikoferi (Matschie, 1899): 1, *Glauconycteris poensis* (Gray, 1842): 1, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros fuliginosus* (Temminck, 1853): 3, *Hipposideros ruber* (Noack, 1893): 4, *Macronycteris gigas* (Wagner, 1845): 2, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 1, *Micropteropus pusillus* (Peters, 1868): 2, *Myonycteris leptodon* K. Andersen, 1908: 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris arge* Thomas, 1903: 1, *Pipistrellus nanulus* Thomas, 1904: 1, *Scotophilus nucella* Robbins, 1983: 1, *Scotophilus nux* Thomas, 1904: 2, [22].

Guinea:

Chaerephon russatus J.A. Allen, 1917: 2, *Epomops buettikoferi* (Matschie, 1899): 2, *Hipposideros fuliginosus* (Temminck, 1853): 1, *Hipposideros jonesi* Hayman, 1947: 3, *Hipposideros ruber* (Noack, 1893): 9, *Hypsugo* Kolenati, 1856: 4, *Hypsugo crassulus* (Thomas, 1904): 2, *Micropteropus pusillus* (Peters, 1868): 4, *Mimetillus moloneyi* (Thomas, 1891): 1, *Miniopterus natalensis* (A. Smith, 1833): 5, *Mops (Mops) condylurus* (A. Smith, 1833): 4, *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917: 2, *Myonycteris angolensis smithii* (Thomas, 1908): 1, *Myonycteris leptodon* K. Andersen, 1908: 2, *Neoromicia isabella* Decher, Hutterer and Monadjem, 2016: 2, *Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013: 2, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris gambiensis* (K. Andersen, 1912): 3, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Pipistrellus grandidieri* (Dobson, 1876): 3, *Pipistrellus nanulus* Thomas, 1904: 3, *Rhinolophus denti* Thomas, 1904: 2, *Rhinolophus guineensis* Eisentraut, 1960: 6, *Rhinolophus landeri* Martin, 1838: 3, *Rhinolophus maclaudi* Pousargues, 1898: 3, *Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus nux* Thomas, 1904: 1, [76].

Namibia:
Neoromicia zuluensis (Roberts, 1924): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 16, *Scotophilus dinganii* (A. Smith, 1833): 8, [26].
Nigeria:
Chaerephon major (Trouessart, 1897): 4, *Hipposideros ruber* (Noack, 1893): 3, *Micropteropus pusillus* (Peters, 1868): 1, *Myonycteris angolensis* (Bocage, 1898): 1, *Rhinolophus simulator* K. Andersen, 1904: 2, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, [13].
Senegal:
Epomophorus gambianus (Ogilby, 1835): 3, *Nycteris gambiensis* (K. Andersen, 1912): 2, *Nycteris hispida* (Schreber, 1774): 8, *Nycteris macrotis* Dobson, 1876: 10, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 10, [33].
Sierra Leone:
Scotophilus dinganii (A. Smith, 1833): 1, [1].
South Africa:
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 3, [3].
South Sudan:
Neoromicia rendalli (Thomas, 1889): 1, *Nycteris hispida* (Schreber, 1774): 2, [3].
Sudan:
Miniopterus natalensis (A. Smith, 1833): 1, *Pipistrellus rueppellii* (Fischer, 1829): 4, [5].
Tanzania:
Epomophorus labiatus (Temminck, 1837): 8, *Epomophorus wahlbergi* (Sundevall, 1846): 15, *Glauconycteris variegata* (Tomes, 1861): 1, *Neoromicia nana* (Peters, 1852): 12, *Nycteris aurita* (K. Andersen, 1912): 9, *Nycteris macrotis* Dobson, 1876: 16, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 18, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus viridis* (Peters, 1852): 1, [82].
Tunisia:
Pipistrellus kuhlii (Kuhl, 1817): 8, *Pipistrellus rueppellii* (Fischer, 1829): 1, [9].
Zambia:
Neoromicia capensis (A. Smith, 1829): 1, *Nycteris macrotis* Dobson, 1876: 1, [2].

Total Specimens for ZFMK: 498

ZIUE: Zoologischen Institut der Universität Erlangen

South Sudan:
Eidolon helvum (Kerr, 1792): 1, [1].

Total Specimens for ZIUE: 1

ZMA: Zoologisch Museum, Amsterdam

"Africa":
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Chaerephon* Dobson, 1874: 5, *Coleura* Peters, 1867: 1, *Doryrhina cyclops* (Temminck, 1853): 2, *Eidolon helvum* (Kerr, 1792): 2, *Eidolon helvum helvum* (Kerr, 1792): 3, *Epomops* Gray, 1866: 1, *Epomops buettikoferi* (Matschie, 1899): 3, *Epomops franqueti* (Tomes, 1860): 1, *Eptesicus* Rafinesque, 1820: 1, *Glauconycteris humeralis* J.A. Allen, 1917: 1, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros caffer* (Sundevall, 1846): 11, *Laephotis wintoni* Thomas, 1901: 1, *Macronycteris vittatus* (Peters, 1852): 1, *Micropteropus pusillus* (Peters, 1868): 3, *Mimetillus moloneyi* (Thomas, 1891): 1, *Mops* Lesson, 1842: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myonycteris torquata* (Dobson, 1878): 4, *Neoromicia guineensis* (Bocage, 1889): 1, *Neoromicia nana* (Peters, 1852): 4, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Otomops martiensseni* (Matschie, 1897): 1, *Pipistrellus nanulus* Thomas, 1904: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, *Rhinolophus alcyone* Temminck, 1853: 1, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus hipposideros* (Bechstein, 1800): 1, *Rhinolophus landeri* Martin, 1838: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, *Scotoecus hirundo* (de Winton, 1899): 2, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 12, [82].
Angola:
Myotis bocagii (Peters, 1870): 1, [1].
Benin:
Chaerephon Dobson, 1874: 9, *Chaerephon nigeriae* Thomas, 1913: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Epomophorus* Bennett, 1836: 3, *Epomophorus gambianus* (Ogilby, 1835): 3, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 1, *Mops (Mops)* Lesson, 1842: 3, *Mops (Mops) condylurus* (A. Smith, 1833): 17, *Nanonycteris veldkampii* (Jentink, 1888): 1, *Neoromicia guineensis* (Bocage, 1889): 2, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris macrotis* Dobson, 1876: 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus leucogaster* (Cretzschmar, 1826): 3, *Scotophilus viridis* (Peters, 1852): 1, [55].
Botswana:
Scotophilus leucogaster (Cretzschmar, 1826): 1, *Scotophilus viridis* (Peters, 1852): 1, [2].
Burkina Faso:
Chaerephon Dobson, 1874: 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Epomophorus gambianus* (Ogilby, 1835): 4, *Epomophorus gambianus gambianus* (Ogilby, 1835): 1, [7].
Cameroon:
Chaerephon Dobson, 1874: 5, *Epomophorus gambianus* (Ogilby, 1835): 1, *Epomophorus gambianus gambianus* (Ogilby, 1835): 3, *Epomops franqueti* (Tomes, 1860): 11, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Megaloglossus woermanni* Pagenstecher, 1885: 4, *Micropteropus pusillus* (Peters, 1868): 2, *Scotophilus* Leach, 1821: 1, *Scotophilus nux* Thomas, 1904: 1, [29].
Canary Islands (Spain):
Pipistrellus Kaup, 1829: 1, *Plecotus* E. Geoffroy St.-Hilaire, 1818: 1, [2].
Central African Republic:
Epomophorus gambianus pousarguesi Trouessart, 1904: 1, [1].

Chad:
Chaerephon Dobson, 1874: 11, *Mops (Mops)* Lesson, 1842: 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 5, *Scotophilus leucogaster* (Cretzschmar, 1826): 27, [45].

Comoros:
Rousettus obliviosus Kock, 1978: 2, [2].

Congo:
Casinycteris ophiodon (Pohle, 1943): 1, *Chaerephon* Dobson, 1874: 21, *Chaerephon pumilus* (Cretzschmar, 1826): 6, *Eidolon helvum* (Kerr, 1792): 3, *Eidolon helvum helvum* (Kerr, 1792): 1, *Epomophorus grandis* (Sanborn, 1950): 1, *Epomophorus labiatus* (Temminck, 1837): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 12, *Epomops franqueti* (Tomes, 1860): 7, *Micropteropus pusillus* (Peters, 1868): 63, *Miniopterus minor* Peters, 1867: 2, *Myonycteris angolensis* (Bocage, 1898): 1, *Myonycteris angolensis angolensis* (Bocage, 1898): 1, *Myonycteris torquata* (Dobson, 1878): 1, *Neoromicia nana* (Peters, 1852): 2, *Nycteris grandis* Peters, 1865: 7, *Rhinolophus silvestris* Aellen, 1959: 1, *Scotophilus dinganii* (A. Smith, 1833): 34, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Triaenops afer* Peters, 1877: 1, [167].

Congo (Democratic Republic of the):
Casinycteris argynnis Thomas, 1910: 6, *Eidolon helvum* (Kerr, 1792): 2, *Epomophorus dobsonii* Bocage, 1889: 1, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Epomops franqueti* (Tomes, 1860): 7, *Hipposideros* Gray, 1831: 6, *Hipposideros caffer* (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 13, *Hypsignathus monstrosus* H. Allen, 1862: 1, *Megaloglossus woermanni* Pagenstecher, 1885: 6, *Micropteropus pusillus* (Peters, 1868): 4, *Miniopterus minor* Peters, 1867: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 2, *Myonycteris angolensis ruwenzorii* (Eisentraut, 1965): 1, *Myonycteris torquata* (Dobson, 1878): 5, *Neoromicia* Roberts, 1926: 1, *Neoromicia nana* (Peters, 1852): 2, *Nycteris arge* Thomas, 1903: 1, *Nycteris grandis* Peters, 1865: 3, *Nycteris nana* (K. Andersen, 1912): 1, *Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 1, *Scotophilus dinganii* (A. Smith, 1833): 5, *Stenonycteris lanosus* (Thomas, 1906): 4, *VESPERTILIONIDAE* Gray, 1821: 1, [78].

Côte d'Ivoire:
Casinycteris ophiodon (Pohle, 1943): 2, *Doryrhina cyclops* (Temminck, 1853): 1, *Eidolon helvum* (Kerr, 1792): 70, *Epomops buettikoferi* (Matschie, 1899): 40, *Epomops franqueti* (Tomes, 1860): 23, *Hypsignathus monstrosus* H. Allen, 1862: 13, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 6, *Micropteropus pusillus* (Peters, 1868): 14, *Myonycteris angolensis smithii* (Thomas, 1908): 6, *Myonycteris leptodon* K. Andersen, 1908: 26, *Nanonycteris veldkampii* (Jentink, 1888): 16, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 85, *Scotonycteris occidentalis* Hayman, 1947: 3, *Scotonycteris zenkeri* Matschie, 1894: 1, [306].

Egypt:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Pipistrellus kuhlii* (Kuhl, 1817): 2, *Pipistrellus rueppellii* (Fischer, 1829): 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 9, [18].

Ethiopia:
Epomophorus labiatus (Temminck, 1837): 1, *Epomophorus minor* Dobson, 1880: 1, *Myonycteris angolensis petraea* (Bergmans, 1997): 1, [3].

Gabon:
Doryrhina cyclops (Temminck, 1853): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 2, *Epomops franqueti* (Tomes, 1860): 44, *Hipposideros* Gray, 1831: 16, *Hipposideros beatus* (K. Andersen, 1906): 1, *Hipposideros caffer* (Sundevall, 1846): 66, *Hipposideros ruber* (Noack, 1893): 5, *Hypsignathus monstrosus* H. Allen, 1862: 9, *Macronycteris gigas* (Wagner, 1845): 23, *Megaloglossus woermanni* Pagenstecher, 1885: 41, *Miniopterus* Bonaparte, 1837: 2, *Miniopterus inflatus* Thomas, 1903: 23, *Myonycteris torquata* (Dobson, 1878): 12, *Myotis* Kaup, 1829: 1, *Myotis bocagii* (Peters, 1870): 12, *Neoromicia nana* (Peters, 1852): 7, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 1, *Nycteris grandis* Peters, 1865: 6, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris nana* (K. Andersen, 1912): 1, *Rhinolophus landeri* Martin, 1838: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 19, *Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 9, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [309].

Ghana:
Epomophorus gambianus (Ogilby, 1835): 10, *Epomops franqueti* (Tomes, 1860): 1, [11].

Guinea:
Epomophorus gambianus (Ogilby, 1835): 1, *Epomops buettikoferi* (Matschie, 1899): 13, *Micropteropus pusillus* (Peters, 1868): 105, *Myonycteris angolensis smithii* (Thomas, 1908): 2, *Nanonycteris veldkampii* (Jentink, 1888): 5, *Neoromicia rendalli* (Thomas, 1889): 1, *Rhinolophus maclaudi* Pousargues, 1898: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 10, [138].

Guinea-Bissau:
Coleura afra (Peters, 1852): 1, *Eidolon helvum* (Kerr, 1792): 1, [2].

Kenya:
Cardioderma cor (Peters, 1872): 11, *Chaerephon* Dobson, 1874: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 8, *Coleura* Peters, 1867: 1, *Coleura afra* (Peters, 1852): 12, *Doryrhina cyclops* (Temminck, 1853): 1, *Epomophorus minor* Dobson, 1880: 2, *Epomophorus wahlbergi* (Sundevall, 1846): 60, *Hipposideros* Gray, 1831: 1, *Hipposideros ruber* (Noack, 1893): 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Macronycteris gigas* (Wagner, 1845): 2, *Macronycteris vittatus* (Peters, 1852): 6, *Miniopterus* Bonaparte, 1837: 2, *Miniopterus inflatus* Thomas, 1903: 2, *Miniopterus natalensis* (A. Smith, 1833): 4, *Mops (Mops)* Lesson, 1842: 1, *Mops (Mops) condylurus* (A. Smith, 1833): 4, *Neoromicia nana* (Peters, 1852): 16, *Neoromicia rendalli* (Thomas, 1889): 6, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Otomops martiensseni* (Matschie, 1897): 38, *Pipistrellus hesperidus* (Temminck, 1840): 2, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinolophus deckenii* Peters, 1868: 9, *Rhinolophus eloquens* K. Andersen, 1905: 5, *Rhinolophus lobatus* Peters, 1852: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 19, *Scotoecus hindei* Thomas, 1901: 2, *Scotophilus dinganii* (A. Smith, 1833): 6, *Scotophilus viridis* (Peters, 1852): 9, *Stenonycteris lanosus* (Thomas, 1906): 7, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 2, *Taphozous hildegardeae* Thomas, 1909: 7, *Triaenops afer* Peters, 1877: 12, [274].

Liberia:
Hypsignathus monstrosus H. Allen, 1862: 1, *Macronycteris gigas* (Wagner, 1845): 1, [2].

Madagascar:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Mops (Mops) leucostigma* (G.M. Allen, 1918): 2, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 5, *Rousettus madagascariensis* G. Grandidier, 1929: 1, [9].

Malawi:

Chaerephon Dobson, 1874: 1, *Chaerephon ansorgei* (Thomas, 1913): 1, *Chaerephon bivittatus* (Heuglin, 1861): 4, *Chaerephon pumilus* (Cretzschmar, 1826): 29, *Eidolon helvum* (Kerr, 1792): 1, *Epomophorus anselli* Bergmans and Van Strien, 2004: 2, *Epomophorus crypturus* Peters, 1852: 6, *Epomophorus dobsonii* Bocage, 1889: 11, *Epomophorus labiatus* (Temminck, 1837): 35, *Epomophorus wahlbergi* (Sundevall, 1846): 17, *Hipposideros ruber* (Noack, 1893): 2, *Laephotis botswanae* Setzer, 1971: 7, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris vittatus* (Peters, 1852): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 7, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris macrotis* Dobson, 1876: 9, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 15, *Nycteris woodi* K. Andersen, 1914: 1, *Rhinolophus blasii* Peters, 1867: 6, *Rhinolophus clivosus* Cretzschmar, 1828: 9, *Rhinolophus fumigatus* Rüppell, 1842: 6, *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 4, *Scotoecus hindei* Thomas, 1901: 1, *Stenonycteris lanosus* (Thomas, 1906): 10, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [193].

Mali:

Nycteris hispida (Schreber, 1774): 1, [1].

Mauritius:

Pteropus Erxleben, 1777: 1, *Pteropus niger* (Kerr, 1792): 1, *Pteropus rodricensis* Dobson, 1878: 3, [5].

Morocco:

Eptesicus isabellinus (Temminck, 1840): 2, *Rhinolophus ferrumequinum* (Schreber, 1774): 1, [3].

Niger:

Epomophorus gambianus (Ogilby, 1835): 1, *Macronycteris vittatus* (Peters, 1852): 1, [2].

Nigeria:

Chaerephon pumilus (Cretzschmar, 1826): 4, *Eidolon helvum* (Kerr, 1792): 29, *Epomophorus gambianus* (Ogilby, 1835): 48, *Epomops buettikoferi* (Matschie, 1899): 13, *Epomops franqueti* (Tomes, 1860): 8, *Hipposideros beatus* (K. Andersen, 1906): 2, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Macronycteris gigas* (Wagner, 1845): 1, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 1, *Megaloglossus woermanni* Pagenstecher, 1885: 3, *Micropteropus pusillus* (Peters, 1868): 100, *Mops (Mops) trevori* J.A. Allen, 1917: 2, *Myonycteris angolensis* (Bocage, 1898): 5, *Myotis bocagii cupreolus* Thomas, 1904: 1, *Nanonycteris veldkampii* (Jentink, 1888): 6, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia somalica* (Thomas, 1901): 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus rueppellii* (Fischer, 1829): 2, *Rhinolophus fumigatus* Rüppell, 1842: 3, *Rhinolophus landeri* Martin, 1838: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 4, *Scotoecus hirundo* (de Winton, 1899): 2, *Scotonycteris zenkeri* Matschie, 1894: 1, *Scotophilus dinganii* (A. Smith, 1833): 13, *Scotophilus leucogaster* (Cretzschmar, 1826): 2, *Scotophilus nigrita* (Schreber, 1774): 1, *Scotophilus viridis* (Peters, 1852): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [265].

Rwanda:

Epomophorus labiatus (Temminck, 1837): 2, *Neoromicia* Roberts, 1926: 2, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia tenuipinnis* (Peters, 1872): 4, *Nycteris hispida* (Schreber, 1774): 1, *Rhinolophus fumigatus* Rüppell, 1842: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 14, [26].

Senegal:

Eidolon helvum (Kerr, 1792): 1, [1].

Seychelles:

Pteropus seychellensis A. Milne-Edwards, 1877: 3, [3].

Sierra Leone:

Nycteris macrotis Dobson, 1876: 1, [1].

South Africa:

Chaerephon pumilus (Cretzschmar, 1826): 2, *Epomophorus* Bennett, 1836: 8, *Epomophorus wahlbergi* (Sundevall, 1846): 153, *Eptesicus hottentotus* (A. Smith, 1833): 3, *Miniopterus natalensis* (A. Smith, 1833): 10, *Neoromicia capensis* (A. Smith, 1829): 18, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus capensis* Lichtenstein, 1823: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 3, *Rhinolophus denti* Thomas, 1904: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 15, *Scotophilus dinganii* (A. Smith, 1833): 1, *Tadarida* Rafinesque, 1814: 1, *Tadarida aegyptiaca bocagei* (Seabra, 1900): 2, [223].

South Sudan:

Chaerephon Dobson, 1874: 1, *Chaerephon major* (Trouessart, 1897): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Mops (Mops)* Lesson, 1842: 1, [4].

Sudan:

Eidolon helvum (Kerr, 1792): 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Pipistrellus rueppellii* (Fischer, 1829): 11, *Rhinolophus landeri* Martin, 1838: 5, *Scotophilus* Leach, 1821: 1, *Scotophilus dinganii* (A. Smith, 1833): 3, [22].

Tanzania:

Chaerephon Dobson, 1874: 34, *Coleura* Peters, 1867: 2, *Coleura afra* (Peters, 1852): 13, *Epomophorus labiatus* (Temminck, 1837): 52, *Epomophorus minor* Dobson, 1880: 2, *Hipposideros ruber* (Noack, 1893): 5, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Mops (Mops)* Lesson, 1842: 1, *Myotis bocagii* (Peters, 1870): 2, *Neoromicia* Roberts, 1926: 2, *Neoromicia capensis* (A. Smith, 1829): 5, *Neoromicia nana* (Peters, 1852): 7, *Neoromicia tenuipinnis* (Peters, 1872): 3, *Nycteris* G. Cuvier and E. Geoffroy, 1795: 2, *Nycteris hispida* (Schreber, 1774): 7, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Pipistrellus rueppellii* (Fischer, 1829): 11, *Rhinolophus fumigatus* Rüppell, 1842: 7, *Scotoecus hindei* Thomas, 1901: 2, *Scotophilus dinganii* (A. Smith, 1833): 2, *Scotophilus viridis* (Peters, 1852): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 3, [169].

Tunisia:

Myotis Kaup, 1829: 1, *Rhinolophus mehelyi* Matschie, 1901: 1, [2].

Uganda:

Chaerephon Dobson, 1874: 13, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Epomophorus* Bennett, 1836: 9, *Epomophorus labiatus* (Temminck, 1837): 10, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 5, [38].

Zimbabwe:

Epomophorus crypturus Peters, 1852: 2, *Hypsugo anchietae* (Seabra, 1900): 1, *Miniopterus natalensis* (A. Smith, 1833): 1, *Myonycteris angolensis goliath* (Bergmans, 1997): 2, *Rhinolophus blasii* Peters, 1867: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 1, [8].

Total Specimens for ZMA: 2509

ZMB: Museum für Naturkunde der Humboldt-Universität zu Berlin

"Africa":
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 1, *Cardioderma cor* (Peters, 1872): 2, *CHIROPTERA* Blumenbach, 1779: 8, *Coleura afra* (Peters, 1852): 1, *Eidolon helvum* (Kerr, 1792): 10, *Epomophorus gambianus* (Ogilby, 1835): 4, *Epomophorus labiatus* (Temminck, 1837): 3, *Hipposideros caffer* (Sundevall, 1846): 1, *Kerivoula argentata* Tomes, 1861: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 7, *Macronycteris vittatus* (Peters, 1852): 1, *Miniopterus* Bonaparte, 1837: 2, *Neoromicia nana* (Peters, 1852): 2, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Nycticeinops schlieffenii* (Peters, 1859): 2, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus hildebrandtii* Peters, 1878: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [60].

Algeria:
CHIROPTERA Blumenbach, 1779: 1, *Eptesicus isabellinus* (Temminck, 1840): 2, *Miniopterus* Bonaparte, 1837: 5, *Myotis punicus* Felten, 1977: 3, *Otonycteris hemprichii* Peters, 1859: 4, *Pipistrellus kuhlii* (Kuhl, 1817): 6, *Rhinolophus euryale* Blasius, 1853: 1, *Rhinolophus hipposideros* (Bechstein, 1800): 1, *Rhinolophus mehelyi* Matschie, 1901: 1, *Rhinopoma cystops* Thomas, 1903: 1, *Rhinopoma microphyllum* (Brünnich, 1782): 1, [26].

Angola:
Eidolon helvum (Kerr, 1792): 10, *Epomophorus angolensis* Gray, 1870: 8, *Epomophorus wahlbergi* (Sundevall, 1846): 9, *Hipposideros caffer* (Sundevall, 1846): 2, *Macronycteris vittatus* (Peters, 1852): 1, *Micropteropus pusillus* (Peters, 1868): 3, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 3, *Neoromicia tenuipinnis* (Peters, 1872): 5, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 2, [50].

Benin:
Epomophorus gambianus gambianus (Ogilby, 1835): 1, *Epomops franqueti* (Tomes, 1860): 1, [2].

Burundi:
Neoromicia nana (Peters, 1852): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, [2].

Cameroon:
Casinycteris ophiodon (Pohle, 1943): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 3, *CHIROPTERA* Blumenbach, 1779: 1, *Doryrhina cyclops* (Temminck, 1853): 20, *Eidolon helvum* (Kerr, 1792): 48, *Epomophorus gambianus* (Ogilby, 1835): 2, *Epomops franqueti* (Tomes, 1860): 29, *Glauconycteris argentata* (Dobson, 1875): 2, *Hipposideros caffer* (Sundevall, 1846): 41, *Hipposideros fuliginosus* (Temminck, 1853): 5, *Hypsignathus monstrosus* H. Allen, 1862: 39, *Kerivoula phalaena* Thomas, 1912: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 4, *Macronycteris vittatus* (Peters, 1852): 3, *Megaloglossus woermanni* Pagenstecher, 1885: 4, *Mimetillus moloneyi* (Thomas, 1891): 2, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Mops (Xiphonycteris) thersites* (Thomas, 1903): 1, *Myonycteris angolensis* (Bocage, 1898): 11, *Myonycteris angolensis angolensis* (Bocage, 1898): 5, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia brunnea* (Thomas, 1880): 1, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia tenuipinnis* (Peters, 1872): 2, *Nycteris arge* Thomas, 1903: 2, *Nycteris grandis* Peters, 1865: 1, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris major* (K. Andersen, 1912): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Rhinolophus landeri* Martin, 1838: 5, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 4, *Saccolaimus peli* (Temminck, 1853): 1, *Scotonycteris zenkeri* Matschie, 1894: 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 4, [254].

Central African Republic:
Chaerephon nigeriae Thomas, 1913: 3, *Epomophorus gambianus* (Ogilby, 1835): 1, *Epomops franqueti* (Tomes, 1860): 1, *Neoromicia nana* (Peters, 1852): 2, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, [10].

Chad:
Lavia frons (E. Geoffroy St.-Hilaire, 1810): 1, *Macronycteris vittatus* (Peters, 1852): 1, [2].

Comoros:
Chaerephon pusillus (Miller, 1902): 1, *Miniopterus* Bonaparte, 1837: 2, *Neoromicia nana* (Peters, 1852): 1, *Pteropus livingstonii* Gray, 1866: 6, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 3, *Rousettus obliviosus* Kock, 1978: 13, [26].

Congo:
Neoromicia nana (Peters, 1852): 1, *Nycteris grandis* Peters, 1865: 1, [2].

Congo (Democratic Republic of the):
Eidolon helvum (Kerr, 1792): 3, *Epomophorus crypturus* Peters, 1852: 1, *Epomops franqueti* (Tomes, 1860): 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Kerivoula argentata* Tomes, 1861: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Macronycteris vittatus* (Peters, 1852): 1, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia tenuipinnis* (Peters, 1872): 3, [20].

Côte d'Ivoire:
Epomops buettikoferi (Matschie, 1899): 1, *Myonycteris leptodon* K. Andersen, 1908: 1, [2].

Djibouti:
Neoromicia nana (Peters, 1852): 1, [1].

Egypt:
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): 8, *Cardioderma cor* (Peters, 1872): 1, *CHIROPTERA* Blumenbach, 1779: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Myotis* Kaup, 1829: 1, *Neoromicia guineensis* (Bocage, 1889): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Otonycteris hemprichii* Peters, 1859: 4, *Pipistrellus kuhlii* (Kuhl, 1817): 3, *Plecotus christii* Gray, 1838: 1, *Rhinolophus* Lacépède, 1799: 2, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinopoma cystops* Thomas, 1903: 30, *Rhinopoma microphyllum* (Brünnich, 1782): 7, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 6, *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818): 1, *Taphozous nudiventris* Cretzschmar, 1830: 5, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 8, [86].

Equatorial Guinea:
Chaerephon pumilus (Cretzschmar, 1826): 1, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Epomops franqueti* (Tomes, 1860): 2, *Hipposideros caffer* (Sundevall, 1846): 2, *Hipposideros ruber* (Noack, 1893): 1, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Myonycteris torquata* (Dobson, 1878): 2, *Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [13].

Eritrea:
Chaerephon pumilus (Cretzschmar, 1826): 3, *Epomophorus labiatus* (Temminck, 1837): 3, *Hipposideros tephrus* (Cabrera, 1906): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, [8].

Ethiopia:
Cardioderma cor (Peters, 1872): 1, *Chaerephon bivittatus* (Heuglin, 1861): 1, *Chaerephon pumilus* (Cretzschmar, 1826): 1, *Epomophorus gambianus* (Ogilby, 1835): 2, *Epomophorus labiatus* (Temminck, 1837): 1, *Hipposideros tephrus* (Cabrera, 1906):

3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 8, *Macronycteris vittatus* (Peters, 1852): 2, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia somalica* (Thomas, 1901): 1, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Rhinolophus blasii* Peters, 1867: 2, *Rhinolophus hildebrandtii* Peters, 1878: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus dinganii* (A. Smith, 1833): 3, *Triaenops* Dobson, 1871: 1, [38].

France:

Rhinolophus euryale Blasius, 1853: 1, [1].

Gabon:

CHIROPTERA Blumenbach, 1779: 1, *Eidolon helvum* (Kerr, 1792): 1, *Epomops franqueti* (Tomes, 1860): 2, *Hypsignathus monstrosus* H. Allen, 1862: 2, *Megaloglossus woermanni* Pagenstecher, 1885: 1, *Micropteropus pusillus* (Peters, 1868): 1, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Myotis bocagii* (Peters, 1870): 1, *Neoromicia nana* (Peters, 1852): 1, *Nycteris hispida* (Schreber, 1774): 1, [12].

Ghana:

Epomophorus gambianus (Ogilby, 1835): 12, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Epomops franqueti* (Tomes, 1860): 10, *Hipposideros caffer* (Sundevall, 1846): 5, *Hipposideros fuliginosus* (Temminck, 1853): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012: 1, *Micropteropus pusillus* (Peters, 1868): 2, *Nanonycteris veldkampii* (Jentink, 1888): 2, *Neoromicia rendalli* (Thomas, 1889): 1, *Nycteris hispida* (Schreber, 1774): 2, *Rhinopoma microphyllum* (Brünnich, 1782): 1, *Scotophilus dinganii* (A. Smith, 1833): 3, [47].

Guinea:

Hipposideros caffer (Sundevall, 1846): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, [7].

Guinea-Bissau:

Macronycteris vittatus (Peters, 1852): 1, *Micropteropus pusillus* (Peters, 1868): 1, [2].

Italy:

Rhinolophus blasii Peters, 1867: 1, [1].

Kenya:

Cardioderma cor (Peters, 1872): 2, *Chaerephon pumilus* (Cretzschmar, 1826): 4, *Epomophorus labiatus* (Temminck, 1837): 2, *Epomophorus wahlbergi* (Sundevall, 1846): 10, *Hipposideros caffer* (Sundevall, 1846): 5, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 8, *Macronycteris vittatus* (Peters, 1852): 1, *Neoromicia nana* (Peters, 1852): 3, *Nycteris hispida* (Schreber, 1774): 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Platymops setiger* (Peters, 1878): 1, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus hildebrandtii* Peters, 1878: 4, *Rhinolophus lobatus* Peters, 1852: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, *Scotophilus* Leach, 1821: 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Stenonycteris lanosus* (Thomas, 1906): 1, *Taphozous hildegardeae* Thomas, 1909: 2, *Triaenops afer* Peters, 1877: 1, [52].

Liberia:

Eidolon helvum (Kerr, 1792): 2, *Epomops franqueti* (Tomes, 1860): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, [4].

Madagascar:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010: 3, *CHIROPTERA* Blumenbach, 1779: 1, *Eidolon dupreanum* (Schegel, 1867): 10, *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813): 3, *Miniopterus* Bonaparte, 1837: 27, *Mormopterus jugularis* (Peters, 1865): 2, *Myotis goudoti* (A. Smith, 1834): 2, *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878: 1, *Paremballonura atrata* (Peters, 1874): 1, *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803: 10, [60].

Mauritius:

CHIROPTERA Blumenbach, 1779: 2, *Mormopterus acetabulosus* (Hermann, 1804): 4, *Pteropus niger* (Kerr, 1792): 2, *Pteropus subniger* (Kerr, 1792): 2, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [11].

Mayotte:

Chaerephon pusillus (Miller, 1902): 2, [2].

Morocco:

Hipposideros tephrus (Cabrera, 1906): 3, *Rhinolophus mehelyi* Matschie, 1901: 4, [7].

Mozambique:

Chaerephon pumilus (Cretzschmar, 1826): 5, *Coleura afra* (Peters, 1852): 8, *Epomophorus crypturus* Peters, 1852: 6, *Epomophorus wahlbergi* (Sundevall, 1846): 1, *Hipposideros caffer* (Sundevall, 1846): 3, *Macronycteris vittatus* (Peters, 1852): 2, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 1, *Neoromicia nana* (Peters, 1852): 4, *Nycteris hispida* (Schreber, 1774): 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 5, *Pteropus subniger* (Kerr, 1792): 1, *Rhinolophus lobatus* Peters, 1852: 4, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus viridis* (Peters, 1852): 1, [44].

Namibia:

Eidolon helvum (Kerr, 1792): 6, *Epomophorus angolensis* Gray, 1870: 3, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 5, *Macronycteris vittatus* (Peters, 1852): 3, *Miniopterus natalensis* (A. Smith, 1833): 1, *Neoromicia capensis* (A. Smith, 1829): 3, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 4, *Rhinolophus capensis* Lichtenstein, 1823: 1, *Rhinolophus damarensis* Roberts, 1946: 4, *Rhinolophus denti* Thomas, 1904: 5, *Rhinolophus fumigatus* Rüppell, 1842: 4, [41].

Nigeria:

Epomophorus gambianus (Ogilby, 1835): 1, *Epomops franqueti* (Tomes, 1860): 1, *Micropteropus pusillus* (Peters, 1868): 4, [6].

Réunion:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813): 1, *Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008: 3, *Pteropus subniger* (Kerr, 1792): 3, [7].

Rwanda:

Eidolon helvum (Kerr, 1792): 16, *Glauconycteris argentata* (Dobson, 1875): 1, *Hipposideros caffer* (Sundevall, 1846): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, [19].

São Tomé and Principé:

Hipposideros caffer (Sundevall, 1846): 1, *Hipposideros ruber* (Noack, 1893): 6, [7].

Senegal:

Chaerephon pumilus (Cretzschmar, 1826): 2, *CHIROPTERA* Blumenbach, 1779: 1, *Epomophorus gambianus* (Ogilby, 1835): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 1, *Nycticeinops schlieffenii* (Peters, 1859): 8, *Rhinolophus* Lacépède, 1799: 1, *Scotophilus dinganii* (A. Smith, 1833): 24, *Taphozous* E. Geoffroy St.-Hilaire, 1818: 14, *Vespertilioninae* Gray, 1821: 1, [56].

Seychelles:

Coleura seychellensis Peters, 1868: 2, [2].

Somalia:
CHIROPTERA Blumenbach, 1779: 2, *Coleura afra* (Peters, 1852): 24, *Epomophorus labiatus* (Temminck, 1837): 1, *Glauconycteris variegata* (Tomes, 1861): 1, *Hipposideros caffer* (Sundevall, 1846): 19, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Neoromicia nana* (Peters, 1852): 1, *Neoromicia rendalli* (Thomas, 1889): 4, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 1, *Scotophilus dinganii* (A. Smith, 1833): 2, [58].

South Africa:
Epomophorus crypturus Peters, 1852: 2, *Epomophorus wahlbergi* (Sundevall, 1846): 3, *Hipposideros caffer* (Sundevall, 1846): 2, *Miniopterus natalensis* (A. Smith, 1833): 1, *Neoromicia capensis* (A. Smith, 1829): 11, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 2, *Rhinolophus* Lacépède, 1799: 1, *Rhinolophus capensis* Lichtenstein, 1823: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 4, *Rhinolophus darlingi* K. Andersen, 1905: 1, *Rhinolophus lobatus* Peters, 1852: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 3, *Rousettus obliviosus* Kock, 1978: 1, [33].

South Sudan:
Hipposideros caffer (Sundevall, 1846): 13, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 4, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [18].

Sudan:
Eidolon helvum (Kerr, 1792): 4, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 7, *Macronycteris vittatus* (Peters, 1852): 1, *Mops (Mops) midas* (Sundevall, 1843): 1, *Nycteris hispida* (Schreber, 1774): 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Rhinopoma cystops* Thomas, 1903: 3, *Rhinopoma microphyllum* (Brünnich, 1782): 2, *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818: 1, [21].

Tanzania:
Chaerephon bivittatus (Heuglin, 1861): 3, *Chaerephon pumilus* (Cretzschmar, 1826): 16, *CHIROPTERA* Blumenbach, 1779: 2, *Coleura afra* (Peters, 1852): 3, *Eidolon helvum* (Kerr, 1792): 6, *Epomophorus dobsonii* Bocage, 1889: 1, *Epomophorus labiatus* (Temminck, 1837): 18, *Epomophorus wahlbergi* (Sundevall, 1846): 46, *Epomops franqueti* (Tomes, 1860): 1, *Glauconycteris variegata* (Tomes, 1861): 3, *Hipposideros caffer* (Sundevall, 1846): 21, *Hipposideros fuliginosus* (Temminck, 1853): 1, *Hipposideros ruber* (Noack, 1893): 6, *Kerivoula africana* Dobson, 1878: 1, *Kerivoula argentata* Tomes, 1861: 3, *Kerivoula smithii* Thomas, 1880: 1, *Laephotis wintoni* Thomas, 1901: 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 29, *Macronycteris vittatus* (Peters, 1852): 10, *Micropteropus pusillus* (Peters, 1868): 2, *Miniopterus minor* Peters, 1867: 1, *Miniopterus natalensis* (A. Smith, 1833): 5, *Mops (Mops) condylurus* (A. Smith, 1833): 4, *Mops (Xiphonycteris) brachypterus* (Peters, 1852): 4, *Myonycteris angolensis* (Bocage, 1898): 2, *Myonycteris relicta* Bergmans, 1980: 2, *Myotis bocagii* (Peters, 1870): 1, *Myotis welwitschii* (Gray, 1866): 2, *Neoromicia nana* (Peters, 1852): 13, *Neoromicia tenuipinnis* (Peters, 1872): 7, *Nycteris grandis* Peters, 1865: 4, *Nycteris hispida* (Schreber, 1774): 3, *Nycteris macrotis* Dobson, 1876: 2, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 17, *Nycticeinops schlieffenii* (Peters, 1859): 4, *Otomops martiensseni* (Matschie, 1897): 1, *Pteropus niger* (Kerr, 1792): 1, *Pteropus voeltzkowi* Matschie, 1909: 12, *Rhinolophus* Lacépède, 1799: 9, *Rhinolophus clivosus* Cretzschmar, 1828: 1, *Rhinolophus deckenii* Peters, 1868: 1, *Rhinolophus eloquens* K. Andersen, 1905: 3, *Rhinolophus fumigatus* Rüppell, 1842: 2, *Rhinolophus hildebrandtii* Peters, 1878: 3, *Rhinolophus lobatus* Peters, 1852: 5, *Rhinolophus rhodesiae* Roberts, 1946: 1, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 20, *Scotophilus* Leach, 1821: 2, *Scotophilus dinganii* (A. Smith, 1833): 4, *Scotophilus viridis* (Peters, 1852): 2, *Tadarida lobata* (Thomas, 1891): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 5, [318].

Togo:
Eidolon helvum (Kerr, 1792): 1, *Epomophorus gambianus* (Ogilby, 1835): 7, *Epomops franqueti* (Tomes, 1860): 3, *Hypsignathus monstrosus* H. Allen, 1862: 3, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 3, *Micropteropus pusillus* (Peters, 1868): 5, *Myonycteris angolensis* (Bocage, 1898): 4, *Nanonycteris veldkampii* (Jentink, 1888): 3, *Neoromicia capensis* (A. Smith, 1829): 1, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia rendalli* (Thomas, 1889): 3, *Neoromicia somalica* (Thomas, 1901): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Nycticeinops schlieffenii* (Peters, 1859): 1, *Rhinolophus* Lacépède, 1799: 1, *Scotophilus dinganii* (A. Smith, 1833): 1, *Scotophilus viridis* (Peters, 1852): 9, [49].

Tunisia:
Eptesicus isabellinus (Temminck, 1840): 2, *Miniopterus* Bonaparte, 1837: 12, *Myotis capaccinii* (Bonaparte, 1837): 6, *Myotis punicus* Felten, 1977: 81, *Pipistrellus kuhlii* (Kuhl, 1817): 1, *Rhinolophus mehelyi* Matschie, 1901: 4, [106].

Uganda:
Cardioderma cor (Peters, 1872): 2, *Chaerephon aloysiisabaudiae* (Festa, 1907): 1, *Epomophorus labiatus* (Temminck, 1837): 6, *Glauconycteris variegata* (Tomes, 1861): 1, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 6, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Neoromicia nana* (Peters, 1852): 2, *Neoromicia rendalli* (Thomas, 1889): 1, *Neoromicia tenuipinnis* (Peters, 1872): 1, *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818: 1, [22].

Total Specimens for ZMB: 1615

ZMH: Zoologisches Institut und Zoologisches Museum, Hamburg

"Africa":
Nycteris hispida (Schreber, 1774): 2, [2].

Algeria:
Pipistrellus kuhlii (Kuhl, 1817): 11, [11].

Cameroon:
Eidolon helvum (Kerr, 1792): 2, *Hypsignathus monstrosus* H. Allen, 1862: 4, *Nycteris hispida* (Schreber, 1774): 1, [7].

Chad:
Nycteris hispida (Schreber, 1774): 1, [1].

Congo (Democratic Republic of the):
Neoromicia nana (Peters, 1852): 2, *Nycteris arge* Thomas, 1903: 1, [3].

Egypt:
Eptesicus bottae (Peters, 1869): 1, *Rhinopoma cystops* Thomas, 1903: 2, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, [4].

Gabon:
Nycteris hispida (Schreber, 1774): 1, [1].

Mozambique:
Nycteris hispida (Schreber, 1774): 1, [1].

Namibia:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 3, [3].

Sierra Leone:

Eidolon helvum (Kerr, 1792): 1, [1].

Tanzania:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, *Pipistrellus rueppellii* (Fischer, 1829): 1, [2].

Total Specimens for ZMH: 36

ZMMU: Zoological Museum Moscow University

Congo (Democratic Republic of the):

Neoromicia tenuipinnis (Peters, 1872): 2, [2].

Ethiopia:

Chaerephon nigeriae Thomas, 1913: 2, *Chaerephon pumilus* (Cretzschmar, 1826): 7, *Coleura afra* (Peters, 1852): 3, *Hipposideros abae* J.A. Allen, 1917: 1, *Hipposideros cf. centralis* Andersen, 1906: 9, *Hipposideros tephrus* (Cabrera, 1906): 3, *Laephotis wintoni* Thomas, 1901: 2, *Lavia frons* (E. Geoffroy St.-Hilaire, 1810): 2, *Mops (Mops) midas* (Sundevall, 1843): 1, *Myotis scotti* Thomas, 1927: 1, *Neoromicia aff. guineensis* Bocage, 1889: 16, *Neoromicia guineensis* (Bocage, 1889): 6, *Neoromicia somalica* (Thomas, 1901): 2, *Nycteris cf. parisii* De Beaux, 1924: 1, *Nycteris hispida* (Schreber, 1774): 9, *Nycticeinops schlieffenii* (Peters, 1859): 17, *Pipistrellus aero* Heller, 1912: 1, *Pipistrellus hesperidus* (Temminck, 1840): 1, *Pipistrellus nanulus* Thomas, 1904: 2, *Pipistrellus rusticus* (Tomes, 1861): 6, *Plecotus balensis* Kruskop & Lavrenchenko, 2000: 1, *Rhinolophus landeri* Martin, 1838: 2, *Scotophilus leucogaster* (Cretzschmar, 1826): 6, *Scotophilus viridis* (Peters, 1852): 5, *Triaenops afer* Peters, 1877: 23, [129].

Tanzania:

Neoromicia helios (Heller, 1912): 1, [1].

Total Specimens for ZMMU: 132

ZMUC: Zoologisk Museum Universitet, Copenhagen

"Africa":

Chaerephon pumilus (Cretzschmar, 1826): 4, *Mops (Mops) condylurus* (A. Smith, 1833): 1, *Nycteris hispida* (Schreber, 1774): 3, *Rhinolophus capensis* Lichtenstein, 1823: 1, *Rhinolophus clivosus* Cretzschmar, 1828: 2, *Rhinopoma microphyllum* (Brünnich, 1782): 3, *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810): 1, [15].

Congo (Democratic Republic of the):

Neoromicia nana (Peters, 1852): 3, [3].

Egypt:

Rhinopoma microphyllum (Brünnich, 1782): 1, [1].

Kenya:

Nycteris aurita (K. Andersen, 1912): 1, [1].

Mali:

Neoromicia nana (Peters, 1852): 8, [8].

Nigeria:

Neoromicia nana (Peters, 1852): 2, [2].

South Sudan:

Neoromicia nana (Peters, 1852): 3, *Nycteris hispida* (Schreber, 1774): 13, *Nycteris macrotis* Dobson, 1876: 1, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 20, [37].

Sudan:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: 1, [1].

Tanzania:

Neoromicia nana (Peters, 1852): 3, *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818: 26, *Pipistrellus hesperidus* (Temminck, 1840): 8, [37].

Total Specimens for ZMUC: 105

ZMUI: Zoology Museum of the University of Ibadan

Nigeria:

Epomophorus gambianus (Ogilby, 1835): 16, *Myonycteris angolensis smithii* (Thomas, 1908): 1, *Nanonycteris veldkampii* (Jentink, 1888): 1, [18].

Total Specimens for ZMUI: 18

ZMZ: Zoologisches Museum der Universität, Zurich

Congo (Democratic Republic of the):

Epomophorus labiatus (Temminck, 1837): 8, *Neoromicia nana* (Peters, 1852): 2, *Nycteris hispida* (Schreber, 1774): 1, [11].

Rwanda:

Epomophorus labiatus (Temminck, 1837): 11, *Neoromicia zuluensis* (Roberts, 1924): 1, *Rhinolophus hilli* Aellen, 1973: 1, [13].

Tanzania:

Epomophorus wahlbergi (Sundevall, 1846): 8, [8].

Total Specimens for ZMZ: 32

Grand total: 129842

Appendix 2e: Voucher Specimens per Country

This appendix gives an overview of the voucher specimens arranged per country of origin, taxon, and museumy of origin. The number of specimens per museum, taxon, and country are given, as well as a grand total.

"Africa"

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
MNHN: 5, ZMA: 1, ZMB: 1 [**7**].
Cardioderma cor (Peters, 1872)
MNHN: 1, ZMB: 2 [**3**].
Casinycteris argynnis Thomas, 1910
RMCA: 1 [**1**].
Chaerephon Dobson, 1874
ZMA: 5 [**5**].
Chaerephon aloysiisabaudiae (Festa, 1907)
CM: 1, USNM: 1 [**2**].
Chaerephon bemmeleni (Jentink, 1879)
RMNH: 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
CM: 1, USNM: 3 [**4**].
Chaerephon major (Trouessart, 1897)
BMNH: 1 [**1**].
Chaerephon nigeriae Thomas, 1913
MNHN: 1, USNM: 2 [**3**].
Chaerephon pumilus (Cretzschmar, 1826)
CAS: 3, MNHN: 23, MZUSP: 5, RMCA: 1, TM: 1, ZMUC: 4 [**37**].
CHIROPTERA Blumenbach, 1779
BMNH: 5, DNSM: 1, HZM: 25, KM: 6, MMK: 5, RMCA: 1, SAMC: 8, SMF: 1, SMG: 24, TM: 5, UCT: 1, YPM: 1, ZMB: 8 [**91**].
Cistugo seabrae Thomas, 1912
SMW: 1 [**1**].
Coleura Peters, 1867
ZMA: 1 [**1**].
Coleura afra (Peters, 1852)
BMNH: 4, NMBE: 2, ZMB: 1 [**7**].
Coleura seychellensis Peters, 1868
MNHN: 1 [**1**].
Doryrhina cyclops (Temminck, 1853)
MNHN: 3, ZMA: 2 [**5**].
Eidolon dupreanum (Schegel, 1867)
MNHN: 3 [**3**].
Eidolon helvum (Kerr, 1792)
AMS: 1, BMNH: 3, FMNH: 1, MCZ: 2, MNHN: 11, NMB: 1, ORSTOM: 3, RMCA: 6, RMNH: 1, ZMA: 2, ZMB: 10 [**41**].
Eidolon helvum helvum (Kerr, 1792)
RMCA: 1, ROM: 1, ZMA: 3 [**5**].
Epomophorus Bennett, 1836
MNHN: 5 [**5**].
Epomophorus crypturus Peters, 1852
BMNH: 1, MNHN: 2 [**3**].
Epomophorus gambianus (Ogilby, 1835)
BMNH: 2, MNHN: 11, SMF: 1, ZFMK: 1, ZMB: 4 [**19**].
Epomophorus gambianus gambianus (Ogilby, 1835)
MNHN: 1, RMNH: 1 [**2**].
Epomophorus labiatus (Temminck, 1837)
MNHN: 11, RMCA: 1, ZMB: 3 [**15**].
Epomophorus wahlbergi (Sundevall, 1846)
BMNH: 2, RMCA: 1, TM: 1 [**4**].
Epomops Gray, 1866
MNHN: 1, ZMA: 1 [**2**].
Epomops buettikoferi (Matschie, 1899)
ZMA: 3 [**3**].
Epomops franqueti (Tomes, 1860)
MNHN: 5, ORSTOM: 6, ZMA: 1 [**12**].
Eptesicus Rafinesque, 1820
ZMA: 1 [**1**].
Eptesicus isabellinus (Temminck, 1840)
BMNH: 1 [**1**].
Glauconycteris argentata (Dobson, 1875)
BMNH: 1, MNHN: 1 [**2**].

Glauconycteris humeralis J.A. Allen, 1917
ZMA: 1 [**1**].
Hipposideros abae J.A. Allen, 1917
MNHN: 1, ZMA: 1 [**2**].
Hipposideros caffer (Sundevall, 1846)
KU: 1, MCZ: 2, MNHN: 17, MSB: 2, TM: 9, ZMA: 11, ZMB: 1 [**43**].
Hipposideros curtus G.M. Allen, 1921
MNHN: 2 [**2**].
Hipposideros ruber (Noack, 1893)
BMNH: 2, MNHN: 6, SMF: 2 [**10**].
Hypsignathus monstrosus H. Allen, 1862
AMS: 1, MNHN: 1, TM: 2 [**4**].
Hypsugo ariel (Thomas, 1904)
MNHN: 1 [**1**].
Kerivoula Gray, 1842
MCZ: 1 [**1**].
Kerivoula argentata Tomes, 1861
ZMB: 2 [**2**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 1, MNHN: 1, SAMC: 3 [**5**].
Laephotis angolensis Monard, 1935
MHNC: 1 [**1**].
Laephotis wintoni Thomas, 1901
ZMA: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
AMS: 1, HZM: 1, MNHN: 11, RMCA: 1, ZMB: 7 [**21**].
Macronycteris Gray, 1866
UNSW: 1 [**1**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
AMS: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
MCZ: 1, MNHN: 1 [**2**].
Macronycteris vittatus (Peters, 1852)
MNHN: 11, ZMA: 1, ZMB: 1 [**13**].
Megaloglossus woermanni Pagenstecher, 1885
CUMV: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
MNHN: 4, NCSM: 1, ORSTOM: 1, RMCA: 1, SMF: 1, ZMA: 3 [**11**].
Mimetillus moloneyi (Thomas, 1891)
HNHM: 1, ZMA: 1 [**2**].
Miniopterus Bonaparte, 1837
SAMC: 1, ZMB: 2 [**3**].
Miniopterus majori Thomas, 1906
MNHN: 1 [**1**].
Miniopterus minor Peters, 1867
MNHN: 7 [**7**].
MOLOSSIDAE Gervais, 1856
BMNH: 1, MMK: 2, TM: 6, YPM: 5 [**14**].
Mops Lesson, 1842
MNHN: 1, ZMA: 1 [**2**].
Mops (Mops) condylurus (A. Smith, 1833)
CAS: 4, MNHN: 4, MZUSP: 2, NMBE: 3, ZMA: 1, ZMUC: 1 [**15**].
Mops (Mops) congicus J.A. Allen, 1917
CM: 1 [**1**].
Mops (Mops) midas (Sundevall, 1843)
BMNH: 2, CM: 1, USNM: 1 [**4**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
BMNH: 5 [**5**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
MNHN: 1 [**1**].
Mops (Xiphonycteris) petersoni (El Rayah, 1981)
AMS: 1 [**1**].
Mops rusingae (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)
NMK: 1 [**1**].
Mormopterus acetabulosus (Hermann, 1804)
MNHN: 2 [**2**].
Mormopterus acetabulosus natalensis (A. Smith, 1847)
SMF: 3 [**3**].
Mormopterus jugularis (Peters, 1865)
USNM: 3 [**3**].
Myonycteris torquata (Dobson, 1878)
MNHN: 3, ZMA: 4 [**7**].
Myopterus daubentonii Desmarest, 1820
MNHN: 1 [**1**].
Myotis anjouanensis (Dorst, 1960)
MNHN: 8 [**8**].

Myotis bocagii (Peters, 1870)
BMNH: 1, MNHN: 12 [**13**].
Myotis goudoti (A. Smith, 1834)
MNHN: 5 [**5**].
Myotis punicus Felten, 1977
BMNH: 1 [**1**].
Myotis tricolor (Temminck, 1832)
MNHN: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
HZM: 1, MNHN: 1, SAMC: 12, TM: 3 [**17**].
Neoromicia guineensis (Bocage, 1889)
ZMA: 1 [**1**].
Neoromicia nana (Peters, 1852)
BMNH: 1, MNHN: 2, RMCA: 2, ZMA: 4, ZMB: 2 [**11**].
Neoromicia rendalli (Thomas, 1889)
MNHN: 1 [**1**].
Neoromicia somalica (Thomas, 1901)
HZM: 1, MZUF: 1 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
NMBE: 7 [**7**].
Nyctalus Bowdich, 1825
RMCA: 1 [**1**].
Nyctalus leisleri (Kuhl, 1817)
MNHN: 4 [**4**].
NYCTERIDAE Van der Hoeven, 1855
RMCA: 1 [**1**].
Nycteris G. Cuvier and E. Geoffroy, 1795
MNHN: 1, RMNH: 1, TM: 32, YPM: 4 [**38**].
Nycteris arge Thomas, 1903
MNHN: 1 [**1**].
Nycteris hispida (Schreber, 1774)
AMS: 2, BMNH: 1, MCZ: 1, MNHN: 8, RMCA: 1, ZMA: 1, ZMB: 2, ZMH: 2, ZMUC: 3 [**21**].
Nycteris macrotis Dobson, 1876
BMNH: 5, MIZT: 1, MNHN: 1, NMBE: 1, ZFMK: 1, ZMB: 1 [**10**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMS: 1, BMNH: 1, KU: 5, MCZ: 2, MNHN: 3, NMB: 1, NMW: 1, RBINS: 1, RMNH: 4, SMNS: 1, TM: 11, USNM: 1, ZMA: 1, ZMB: 3 [**36**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 1, MNHN: 3, NHMZ: 1, ZMA: 1, ZMB: 2 [**8**].
Otomops martiensseni (Matschie, 1897)
AMS: 1, CM: 1, ZMA: 1 [**3**].
Otonycteris hemprichii Peters, 1859
MNHN: 4 [**4**].
Pipistrellus Kaup, 1829
RMCA: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
SMF: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
AMNH: 4, BMNH: 1, MHNG: 2, RBINS: 1 [**8**].
Pipistrellus nanulus Thomas, 1904
ZMA: 1 [**1**].
Pipistrellus pipistrellus (Schreber, 1774)
BMNH: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
BMNH: 1, MNHN: 1, RMNH: 1, ZMA: 1 [**4**].
Pteropus Erxleben, 1777
RMCA: 1 [**1**].
Pteropus aldabrensis True, 1893
BMNH: 11 [**11**].
Pteropus niger (Kerr, 1792)
MNHN: 1 [**1**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
MNHN: 9, ZMB: 2 [**11**].
Pteropus seychellensis A. Milne-Edwards, 1877
AMS: 1 [**1**].
Pteropus subniger (Kerr, 1792)
AMS: 1, MNHN: 1 [**2**].
Pteropus voeltzkowi Matschie, 1909
AMS: 1, RMCA: 1, USNM: 2 [**4**].
RHINOLOPHIDAE Gray, 1825
RMCA: 1 [**1**].
Rhinolophus Lacépède, 1799
TM: 87 [**87**].
Rhinolophus alcyone Temminck, 1853
MNHN: 1, ZMA: 1 [**2**].

Rhinolophus blasii Peters, 1867
SMF: 1 [**1**].
Rhinolophus capensis Lichtenstein, 1823
ZMUC: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
KU: 1, SMF: 2, TM: 20, ZMB: 1, ZMUC: 2 [**26**].
Rhinolophus darlingi K. Andersen, 1905
ZMA: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
AMS: 1, BMNH: 1, MNHN: 3 [**5**].
Rhinolophus hildebrandtii Peters, 1878
ZMB: 2 [**2**].
Rhinolophus hipposideros (Bechstein, 1800)
ZMA: 1 [**1**].
Rhinolophus landeri Martin, 1838
MNHN: 4, ZMA: 3 [**7**].
Rhinolophus silvestris Aellen, 1959
MNHN: 1 [**1**].
Rhinolophus simulator K. Andersen, 1904
KU: 4, TM: 1 [**5**].
Rhinopoma E. Geoffroy St.-Hilaire, 1818
BMNH: 1 [**1**].
Rhinopoma cystops Thomas, 1903
MNHN: 3 [**3**].
Rhinopoma microphyllum (Brünnich, 1782)
BMNH: 1, MNHN: 15, ZMUC: 3 [**19**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
FMNH: 1, HZM: 1, MCZ: 3, MNHN: 27, RMCA: 5, RMNH: 1, ZMA: 6, ZMB: 1, ZMUC: 1 [**46**].
Rousettus madagascariensis G. Grandidier, 1929
MNHN: 5 [**5**].
Saccolaimus peli (Temminck, 1853)
BMNH: 1, MNHN: 1, RBINS: 1 [**3**].
Scotoecus hirundo (de Winton, 1899)
AMS: 1, MNHN: 1, ZMA: 2 [**4**].
Scotophilus Leach, 1821
MNHN: 4, NHMZ: 43, RMCA: 1 [**48**].
Scotophilus dinganii (A. Smith, 1833)
MNHN: 1, TM: 13 [**14**].
Scotophilus leucogaster (Cretzschmar, 1826)
MNHN: 2 [**2**].
Scotophilus nux Thomas, 1904
MNHN: 2 [**2**].
Scotophilus robustus A. Milne-Edwards, 1881
FMNH: 1 [**1**].
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005
UADBA: 1 [**1**].
Scotophilus viridis (Peters, 1852)
BMNH: 1 [**1**].
Tadarida Rafinesque, 1814
MNHN: 2 [**2**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
BMNH: 1, CM: 1, MMK: 47, USNM: 3 [**52**].
Tadarida fulminans (Thomas, 1903)
CM: 1, USNM: 2 [**3**].
Tadarida ventralis (Heuglin, 1861)
FMNH: 1 [**1**].
Taphozous E. Geoffroy St.-Hilaire, 1818
MNHN: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 1, DNSM: 1, MNHN: 4, RMCA: 1, ZMB: 1 [**8**].
Taphozous nudiventris Cretzschmar, 1830
MNHN: 1, RBINS: 1, RMCA: 1, ROM: 1 [**4**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
MNHN: 7, ZMA: 12, ZMB: 1 [**20**].
Triaenops afer Peters, 1877
TM: 15 [**15**].
Vespertilioninae Gray, 1821
MNHN: 2 [**2**].

Total Specimens for "Africa": 1123

Algeria

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
BMNH: 2, FMNH: 2, HNHM: 1, MNHN: 24, ROM: 20, SMF: 1 [**50**].

CHIROPTERA Blumenbach, 1779
ZMB: 1 [**1**].
Eptesicus Rafinesque, 1820
ROM: 1 [**1**].
Eptesicus isabellinus (Temminck, 1840)
HZM: 1, MNHN: 2, SMF: 1, USNM: 9, ZMB: 2 [**15**].
Hypsugo savii (Bonaparte, 1837)
BMNH: 1, CM: 5, HNHM: 1, HZM: 1 [**8**].
Miniopterus Bonaparte, 1837
ZMB: 5 [**5**].
Miniopterus schreibersii (Kuhl, 1817)
BMNH: 4, EBD: 7, MNHN: 2, RMNH: 1, SMF: 4, USNM: 1 [**19**].
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
SMF: 1 [**1**].
Myotis punicus Felten, 1977
AMNH: 1, BMNH: 3, EBD: 1, HNHM: 9, MNHN: 6, NMV: 1, SMF: 4, ZMB: 3 [**28**].
Otonycteris hemprichii Peters, 1859
BMNH: 1, ISEA: 5, MNHN: 12, MSNG: 1, MUB: 2, ZMB: 4 [**25**].
Pipistrellus Kaup, 1829
RMCA: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
BMNH: 28, CM: 30, FMNH: 2, HZM: 9, MHNG: 1, MNHN: 38, RBINS: 1, USNM: 25, ZFMK: 6, ZMB: 6, ZMH: 11 [**157**].
Pipistrellus pipistrellus (Schreber, 1774)
HZM: 2, MHNG: 1 [**3**].
Plecotus teneriffae Barrett-Hamilton, 1907
BMNH: 1, UANK: 2 [**3**].
Rhinolophus Lacépède, 1799
MNHN: 1 [**1**].
Rhinolophus blasii Peters, 1867
ISEA: 1, MUB: 15 [**16**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 1, MNHN: 9 [**10**].
Rhinolophus euryale Blasius, 1853
BMNH: 5, EBD: 17, MCZ: 2, MNHN: 2, RMNH: 2, ZMB: 1 [**29**].
Rhinolophus ferrumequinum (Schreber, 1774)
BMNH: 2, EBD: 1, FMNH: 2, HNHM: 2, MNHN: 4, SMF: 2 [**13**].
Rhinolophus hipposideros (Bechstein, 1800)
BMNH: 1, EBD: 1, HNHM: 4, ISEA: 6, IVB: 2, MNHN: 2, ZMB: 1 [**17**].
Rhinolophus mehelyi Matschie, 1901
HNHM: 5, MNHN: 4, SMF: 3, ZMB: 1 [**13**].
Rhinopoma cystops Thomas, 1903
SMF: 1, ZFMK: 1, ZMB: 1 [**3**].
Rhinopoma microphyllum (Brünnich, 1782)
ZMB: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
BMNH: 1, MNHN: 2 [**3**].
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
USNM: 1 [**1**].
Tadarida teniotis (Rafinesque, 1814)
MNHN: 1 [**1**].
VESPERTILIONIDAE Gray, 1821
MNHN: 2 [**2**].

Total Specimens for Algeria: 427

Angola

Chaerephon Dobson, 1874
FMNH: 1 [**1**].
Chaerephon ansorgei (Thomas, 1913)
BMNH: 1, SMW: 1 [**2**].
Chaerephon chapini J.A. Allen, 1917
AMNH: 1, FMNH: 1, IICA: 2, NHMZ: 1 [**5**].
Chaerephon nigeriae Thomas, 1913
MDL: 3 [**3**].
Chaerephon nigeriae spillmanni (Monard, 1933)
BMNH: 1, RMNH: 1 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 2, BMNH: 12, FMNH: 38, IICA: 2, NHMZ: 1, USNM: 8 [**63**].
Chamtwaria pickfordi Butler, 1984
AMNH: 1 [**1**].
Cistugo seabrae Thomas, 1912
BMNH: 1 [**1**].
Coleura afra (Peters, 1852)
BMNH: 1, IICA: 1 [**2**].

Eidolon helvum (Kerr, 1792)
CZL: 1, FMNH: 1, MDL: 1, ZMB: 10 [**13**].
EMBALLONURIDAE Gervais, 1855
AMNH: 1 [**1**].
Epomophorus angolensis Gray, 1870
AMNH: 3, BMNH: 2, FMNH: 15, IICA: 6, MDL: 1, MHNN: 1, MZUF: 1, RMCA: 1, RMNH: 2, ZMB: 8 [**40**].
Epomophorus crypturus Peters, 1852
BMNH: 1, CM: 3, MDL: 2 [**6**].
Epomophorus dobsonii Bocage, 1889
AMNH: 25, BMNH: 3, FMNH: 12, KU: 1, MDL: 3, RMNH: 1 [**45**].
Epomophorus grandis (Sanborn, 1950)
BMNH: 1, FMNH: 2, MDL: 1 [**4**].
Epomophorus wahlbergi (Sundevall, 1846)
AMNH: 4, BMNH: 16, FMNH: 41, HZM: 1, IICA: 10, MDL: 49, USNM: 1, YPM: 1, ZMB: 9 [**132**].
Epomops franqueti (Tomes, 1860)
FMNH: 17, IICA: 1, MVZ: 1, YPM: 2 [**21**].
Eptesicus Rafinesque, 1820
MHNG: 1 [**1**].
Eptesicus hottentotus (A. Smith, 1833)
EBD: 4, IICA: 3 [**7**].
Glauconycteris argentata (Dobson, 1875)
FMNH: 3, MDL: 2 [**5**].
Glauconycteris beatrix Thomas, 1901
FMNH: 1 [**1**].
Glauconycteris machadoi Hayman, 1963
BMNH: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
FMNH: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 6, BMNH: 16, FMNH: 34, IICA: 2, MDL: 8, NHMZ: 1, RBINS: 1, SMW: 1, USNM: 1, YPM: 1, ZMB: 2 [**73**].
Hipposideros ruber (Noack, 1893)
BMNH: 2, FMNH: 22, IICA: 4, RMCA: 2, SMW: 1 [**31**].
Hypsignathus monstrosus H. Allen, 1862
FMNH: 4, IICA: 1, MDL: 1, YPM: 1 [**7**].
Hypsugo anchietae (Seabra, 1900)
AMNH: 8, BMNH: 10, CM: 3, DNSM: 1, MNHN: 1 [**23**].
Hypsugo crassulus (Thomas, 1904)
FMNH: 1 [**1**].
Laephotis angolensis Monard, 1935
AMNH: 2, MHNC: 3 [**5**].
Laephotis botswanae Setzer, 1971
FMNH: 2 [**2**].
Macronycteris gigas (Wagner, 1845)
BMNH: 2, USNM: 2 [**4**].
Macronycteris vittatus (Peters, 1852)
BMNH: 1, IICA: 2, ZMB: 1 [**4**].
Megaloglossus woermanni Pagenstecher, 1885
FMNH: 7, MDL: 1, YPM: 2 [**10**].
Micropteropus intermedius Hayman, 1963
BMNH: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
BMNH: 2, CZL: 1, FMNH: 3, MDL: 1, NMBA: 3, ZMB: 3 [**13**].
Mimetillus moloneyi (Thomas, 1891)
RBINS: 1 [**1**].
Mimetillus thomasi Hinton, 1920
AMNH: 4 [**4**].
Miniopterus Bonaparte, 1837
FMNH: 20 [**20**].
Miniopterus fraterculus Thomas and Schwann, 1906
FMNH: 4 [**4**].
Miniopterus natalensis (A. Smith, 1833)
BMNH: 2, FMNH: 1, IICA: 1, MHNN: 1, RMCA: 1 [**6**].
Mops (Mops) condylurus (A. Smith, 1833)
BMNH: 1, CZL: 1, EBD: 3, MCZ: 2, USNM: 1, ZMB: 1 [**9**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
AMNH: 2, IICA: 1 [**3**].
Myonycteris angolensis (Bocage, 1898)
BMNH: 3, IICA: 1, MLZA: 2 [**6**].
Myonycteris angolensis angolensis (Bocage, 1898)
BMNH: 2 [**2**].
Myonycteris torquata (Dobson, 1878)
BMNH: 3 [**3**].
Myotis bocagii (Peters, 1870)
ZMA: 1, ZMB: 1 [**2**].
Myotis bocagii bocagii (Peters, 1870)
FMNH: 5 [**5**].

Myotis welwitschii (Gray, 1866)
BMNH: 1, MDL: 1 [**2**].
Neoromicia "incertae-sedis"
MDL: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
AMNH: 5, BMNH: 1, CAS: 1, CM: 2, FMNH: 3, IICA: 3 [**15**].
Neoromicia flavescens (Seabra, 1900)
AMNH: 17, MNHN: 2 [**19**].
Neoromicia nana (Peters, 1852)
AMNH: 14, BMNH: 7, FMNH: 44, IICA: 3, MDL: 8, YPM: 3, ZMB: 3 [**82**].
Neoromicia somalica (Thomas, 1901)
BMNH: 1, FMNH: 5 [**6**].
Neoromicia tenuipinnis (Peters, 1872)
BMNH: 2, FMNH: 5, MDL: 5, ZMB: 5 [**17**].
Neoromicia zuluensis (Roberts, 1924)
CZL: 2 [**2**].
Nycteris G. Cuvier and E. Geoffroy, 1795
FMNH: 2 [**2**].
Nycteris arge Thomas, 1903
FMNH: 2, MDL: 1 [**3**].
Nycteris hispida (Schreber, 1774)
BMNH: 3, CZL: 1, FMNH: 6, MDL: 6, YPM: 2, ZMB: 1 [**19**].
Nycteris intermedia Aellen, 1959
BMNH: 1 [**1**].
Nycteris macrotis Dobson, 1876
BMNH: 3, FMNH: 7, IICA: 1, MDL: 15, USNM: 1, YPM: 1 [**28**].
Nycteris nana (K. Andersen, 1912)
FMNH: 3 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 4, BMNH: 6, IICA: 6, MHNG: 2, MSNG: 1, ZMB: 3 [**22**].
Otomops martiensseni (Matschie, 1897)
IICA: 1 [**1**].
Otomops martiensseni icarus Chubb, 1917
AMNH: 1 [**1**].
Pipistrellus grandidieri (Dobson, 1876)
CM: 1, MNHN: 1 [**2**].
Pipistrellus rueppellii (Fischer, 1829)
MHNG: 1, MHNN: 1 [**2**].
Pipistrellus rueppellii vernayi Roberts, 1932
MCZ: 1 [**1**].
Plerotes anchietae (Seabra, 1900)
CM: 1, CZL: 1, IICA: 1 [**3**].
Rhinolophus Lacépède, 1799
BMNH: 1 [**1**].
Rhinolophus damarensis Roberts, 1946
FMNH: 1, SMW: 2 [**3**].
Rhinolophus darlingi K. Andersen, 1905
BMNH: 2 [**2**].
Rhinolophus fumigatus Rüppell, 1842
AMNH: 4, BMNH: 5, FMNH: 29, IICA: 5, NHMZ: 1, RMCA: 1, SMW: 2 [**47**].
Rhinolophus hipposideros (Bechstein, 1800)
BMNH: 1 [**1**].
Rhinolophus lobatus Peters, 1852
FMNH: 15 [**15**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
AMNH: 1, BMNH: 2, FMNH: 4, IICA: 1, RMNH: 2, ZMB: 1 [**11**].
Saccolaimus peli (Temminck, 1853)
MDL: 1 [**1**].
Scotoecus albigula Thomas, 1909
BMNH: 1, MDL: 1 [**2**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 3, FMNH: 5, MDL: 19, RMNH: 1, USNM: 1 [**29**].
Scotophilus leucogaster (Cretzschmar, 1826)
CZL: 1, FMNH: 1 [**2**].
Tadarida Rafinesque, 1814
FMNH: 2, MDL: 2 [**4**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
BMNH: 2, EBD: 7, IICA: 2, MDL: 1, SMW: 1 [**13**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
BMNH: 1, FMNH: 1 [**2**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 10, FMNH: 14, IICA: 1, MDL: 31, RBINS: 1, USNM: 1, ZMB: 2 [**60**].
VESPERTILIONIDAE Gray, 1821
MDL: 1 [**1**].

Total Specimens for Angola: 1023

Azores (Portugal)

Nyctalus azoreum (Thomas, 1901)
BMNH: 14, SMF: 1, USNM: 4 [**19**].
Nyctalus leisleri (Kuhl, 1817)
BMNH: 1 [**1**].

Total Specimens for Azores (Portugal): 20

Benin

Chaerephon Dobson, 1874
ZMA: 9 [**9**].
Chaerephon nigeriae Thomas, 1913
ZMA: 1 [**1**].
Chaerephon nigeriae nigeriae Thomas, 1913
USNM: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
MCZ: 3, MNHN: 1, RMCA: 7, USNM: 386, ZMA: 1 [**398**].
Doryrhina cyclops (Temminck, 1853)
USNM: 1 [**1**].
Eidolon helvum (Kerr, 1792)
BMNH: 2, USNM: 53 [**55**].
Eidolon helvum helvum (Kerr, 1792)
MNHN: 1 [**1**].
Epomophorus Bennett, 1836
MNHN: 1, ZMA: 3 [**4**].
Epomophorus gambianus (Ogilby, 1835)
ROM: 1, USNM: 87, ZMA: 3 [**91**].
Epomophorus gambianus gambianus (Ogilby, 1835)
ZMA: 1, ZMB: 1 [**2**].
Epomops franqueti (Tomes, 1860)
USNM: 1, ZMB: 1 [**2**].
Glauconycteris poensis (Gray, 1842)
USNM: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
MNHN: 2, USNM: 2 [**4**].
Hipposideros abae J.A. Allen, 1917
NMP: 2 [**2**].
Hipposideros beatus (K. Andersen, 1906)
MNHN: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
MNHN: 3, ROM: 4, USNM: 7, ZMA: 1 [**15**].
Hipposideros jonesi Hayman, 1947
NMP: 1 [**1**].
Hipposideros ruber (Noack, 1893)
NMP: 3, ZMA: 1 [**4**].
Hipposideros tephrus (Cabrera, 1906)
USNM: 21 [**21**].
Hypsugo savii (Bonaparte, 1837)
USNM: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
MCZ: 3, MNHN: 4, ROM: 1 [**8**].
Macronycteris gigas (Wagner, 1845)
USNM: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
MNHN: 4, ROM: 5, USNM: 18 [**27**].
Mops (Mops) Lesson, 1842
ZMA: 3 [**3**].
Mops (Mops) condylurus (A. Smith, 1833)
RMNH: 44, USNM: 126, ZMA: 17 [**187**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
USNM: 4 [**4**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
USNM: 5 [**5**].
Myotis bocagii (Peters, 1870)
ROM: 2 [**2**].
Nanonycteris veldkampii (Jentink, 1888)
ZMA: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
USNM: 6 [**6**].
Neoromicia guineensis (Bocage, 1889)
USNM: 2, ZMA: 2 [**4**].

Neoromicia nana (Peters, 1852)
MCZ: 1, MNHN: 4, USNM: 27, ZMA: 1 [**33**].
Neoromicia rendalli (Thomas, 1889)
MNHN: 1, USNM: 1 [**2**].
Neoromicia somalica (Thomas, 1901)
USNM: 2, ZMA: 1 [**3**].
Nycteris gambiensis (K. Andersen, 1912)
USNM: 84 [**84**].
Nycteris grandis Peters, 1865
BMNH: 1 [**1**].
Nycteris hispida (Schreber, 1774)
MNHN: 2, USNM: 48 [**50**].
Nycteris macrotis Dobson, 1876
MNHN: 1, USNM: 14, ZMA: 3 [**18**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
MNHN: 1, ROM: 1, USNM: 3, ZMA: 1 [**6**].
Nycticeinops schlieffenii (Peters, 1859)
USNM: 2, ZMA: 1 [**3**].
Pipistrellus inexspectatus Aellen, 1959
USNM: 2 [**2**].
Pipistrellus nanulus Thomas, 1904
MNHN: 1, USNM: 2 [**3**].
Rhinolophus Lacépède, 1799
MNHN: 1 [**1**].
Rhinolophus darlingi K. Andersen, 1905
USNM: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
NMP: 2, USNM: 3 [**5**].
Rhinolophus landeri Martin, 1838
USNM: 1 [**1**].
Scotoecus albofuscus (Thomas, 1890)
USNM: 1 [**1**].
Scotoecus hirundo (de Winton, 1899)
USNM: 18 [**18**].
Scotophilus dinganii (A. Smith, 1833)
USNM: 7, ZMA: 1 [**8**].
Scotophilus leucogaster (Cretzschmar, 1826)
USNM: 45, ZMA: 3 [**48**].
Scotophilus nigrita (Schreber, 1774)
MNHN: 1, NMP: 1 [**2**].
Scotophilus viridis (Peters, 1852)
USNM: 19, ZMA: 1 [**20**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
MNHN: 1, USNM: 1 [**2**].

Total Specimens for Benin: 1176

Botswana

Chaerephon chapini J.A. Allen, 1917
NHMZ: 1, USNM: 9 [**10**].
Chaerephon nigeriae Thomas, 1913
NHMZ: 5, USNM: 9 [**14**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 101, FMNH: 1, KU: 2, MNHN: 2, MVZ: 10, NHMZ: 8, ROM: 40, TM: 1, USNM: 100 [**265**].
Cloeotis percivali Thomas, 1901
AMNH: 6, BMNH: 1 [**7**].
Epomophorus Bennett, 1836
USNM: 4 [**4**].
Epomophorus crypturus Peters, 1852
AMNH: 15, FMNH: 4, HZM: 1, ISU: 1, NHMZ: 8, SMNS: 1, TM: 1, USNM: 29 [**60**].
Epomophorus dobsonii Bocage, 1889
NHMZ: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
NHMZ: 2, USNM: 2 [**4**].
Hipposideros caffer (Sundevall, 1846)
MNHN: 2, NHMZ: 1, ROM: 9, TM: 1, USNM: 33 [**46**].
Hypsugo anchietae (Seabra, 1900)
NHMZ: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
AMNH: 1, NHMZ: 2, USNM: 4 [**7**].
Laephotis botswanae Setzer, 1971
NHMZ: 1, USNM: 3 [**4**].
Macronycteris vittatus (Peters, 1852)
NHMZ: 17, SMF: 84, TM: 6, USNM: 58 [**165**].

Miniopterus natalensis (A. Smith, 1833)
TM: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
NHMZ: 1, ROM: 17, USNM: 28 [**46**].
Mops (Mops) midas (Sundevall, 1843)
FMNH: 2, NHMZ: 3, ROM: 36, SMF: 1, USNM: 10 [**52**].
Mops (Mops) midas midas (Sundevall, 1843)
AMNH: 6 [**6**].
Neoromicia capensis (A. Smith, 1829)
FMNH: 5, HZM: 10, NHMZ: 38, ROM: 1, SMF: 1, TM: 4, USNM: 73, WAM: 1, ZFMK: 4 [**137**].
Neoromicia nana (Peters, 1852)
BMNH: 1, NHMZ: 3, ROM: 3, USNM: 6 [**13**].
Neoromicia rendalli (Thomas, 1889)
NHMZ: 1, USNM: 2 [**3**].
Neoromicia somalica (Thomas, 1901)
USNM: 2 [**2**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
FMNH: 1, NHMZ: 1, TM: 2 [**4**].
Neoromicia zuluensis (Roberts, 1924)
FMNH: 1, NHMZ: 4, TM: 1, USNM: 2 [**8**].
Nycteris hispida (Schreber, 1774)
USNM: 4 [**4**].
Nycteris macrotis Dobson, 1876
NHMZ: 2, USNM: 1 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 47, BMNH: 1, FMNH: 6, ISU: 1, KU: 5, MCZ: 2, MVZ: 17, NHMZ: 13, ROM: 2, SMF: 2, SMNS: 2, TM: 1, USNM: 127, ZFMK: 4 [**230**].
Nycticeinops schlieffenii (Peters, 1859)
AMNH: 2, BMNH: 1, FMNH: 7, MCZ: 1, NHMZ: 7, TM: 4, USNM: 6 [**28**].
Pipistrellus hesperidus (Temminck, 1840)
TM: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
FMNH: 7, NHMZ: 2, ROM: 3, TM: 3, USNM: 8 [**23**].
Pipistrellus rueppellii vernayi Roberts, 1932
AMNH: 1, MCZ: 1 [**2**].
Pipistrellus rusticus (Tomes, 1861)
HZM: 2, MVZ: 1, NHMZ: 15, USNM: 22 [**40**].
Rhinolophus clivosus Cretzschmar, 1828
AMNH: 1 [**1**].
Rhinolophus darlingi K. Andersen, 1905
MVZ: 1, NHMZ: 4, USNM: 1 [**6**].
Rhinolophus denti Thomas, 1904
NHMZ: 4, SMF: 1, TM: 2, USNM: 171 [**178**].
Rhinolophus simulator K. Andersen, 1904
AMNH: 9, HNHM: 1, HZM: 1, MVZ: 4 [**15**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
NHMZ: 1 [**1**].
Sauromys petrophilus (Roberts, 1917)
NHMZ: 1, ROM: 2, TM: 5, USNM: 2 [**10**].
Sauromys petrophilus petrophilus (Roberts, 1917)
AMNH: 1, MVZ: 2 [**3**].
Scotophilus Leach, 1821
TM: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
AMNH: 7, MVZ: 8, NHMZ: 9, RMNH: 2, ROM: 1, USNM: 50, WAM: 2, ZFMK: 3 [**82**].
Scotophilus leucogaster (Cretzschmar, 1826)
AMNH: 1, FMNH: 1, NHMZ: 6, ROM: 7, USNM: 44, ZMA: 1 [**60**].
Scotophilus viridis (Peters, 1852)
ZMA: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
NHMZ: 3, TM: 3, USNM: 13 [**19**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
AMNH: 2, USNM: 11 [**13**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
NHMZ: 3, USNM: 10 [**13**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
NHMZ: 1 [**1**].
VESPERTILIONIDAE Gray, 1821
AMNH: 3 [**3**].

Total Specimens for Botswana: 1598

Burkina Faso

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
SMF: 17 [**17**].
Chaerephon Dobson, 1874
ZMA: 1 [**1**].
Chaerephon major (Trouessart, 1897)
ROM: 2, SMF: 11, USNM: 42 [**55**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 2, RMCA: 2, ROM: 11, SMF: 9, USNM: 57, ZMA: 1 [**82**].
Eidolon helvum (Kerr, 1792)
SMF: 2, USNM: 5 [**7**].
Epomophorus gambianus (Ogilby, 1835)
BMNH: 2, MNHN: 2, ROM: 6, SMF: 8, USNM: 177, ZMA: 4 [**199**].
Epomophorus gambianus gambianus (Ogilby, 1835)
ZMA: 1 [**1**].
Hipposideros abae J.A. Allen, 1917
BMNH: 1, SMF: 2, USNM: 4 [**7**].
Hipposideros caffer (Sundevall, 1846)
RMCA: 1 [**1**].
Hipposideros jonesi Hayman, 1947
SMF: 4, USNM: 38 [**42**].
Hipposideros ruber (Noack, 1893)
ROM: 1, SMF: 16, USNM: 45 [**62**].
Hipposideros tephrus (Cabrera, 1906)
USNM: 13 [**13**].
Hypsignathus monstrosus H. Allen, 1862
USNM: 12 [**12**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
RMCA: 1, USNM: 37 [**38**].
Macronycteris gigas (Wagner, 1845)
USNM: 3 [**3**].
Micropteropus pusillus (Peters, 1868)
ROM: 1, SMF: 3, USNM: 4 [**8**].
Mops (Mops) demonstrator (Thomas, 1903)
AMNH: 1, ROM: 3 [**4**].
Mops (Mops) midas (Sundevall, 1843)
USNM: 1 [**1**].
Mops (Mops) midas midas (Sundevall, 1843)
ROM: 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
RMCA: 2 [**2**].
Myonycteris angolensis (Bocage, 1898)
SMF: 1, USNM: 2 [**3**].
Neoromicia "incertae-sedis"
BMNH: 5 [**5**].
Neoromicia guineensis (Bocage, 1889)
BMNH: 1, ROM: 1, SMF: 4, USNM: 2 [**8**].
Neoromicia nana (Peters, 1852)
USNM: 1 [**1**].
Neoromicia somalica (Thomas, 1901)
BMNH: 2, ROM: 1, USNM: 1 [**4**].
Nycteris arge Thomas, 1903
RMCA: 2 [**2**].
Nycteris gambiensis (K. Andersen, 1912)
MNHN: 6, SMF: 2, USNM: 171 [**179**].
Nycteris hispida (Schreber, 1774)
MNHN: 5, RMCA: 2, SMF: 2, USNM: 192 [**201**].
Nycteris macrotis Dobson, 1876
AMNH: 1, RMCA: 2, ROM: 2, SMF: 2, USNM: 102 [**109**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
MNHN: 2, SMF: 1, USNM: 160 [**163**].
Nycticeinops schlieffenii (Peters, 1859)
MNHN: 1, RMCA: 2, SMF: 10, USNM: 10 [**23**].
Pipistrellus hesperidus (Temminck, 1840)
ROM: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
USNM: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
SMF: 2 [**2**].
PTEROPODIDAE Gray, 1821
MNHN: 1 [**1**].
Rhinolophus denti Thomas, 1904
RMCA: 1 [**1**].

Rhinolophus fumigatus Rüppell, 1842
AMNH: 2, ROM: 13, SMF: 1, USNM: 4 [**20**].
Rhinolophus landeri Martin, 1838
SMF: 7, USNM: 12 [**19**].
Rhinopoma cystops Thomas, 1903
SMF: 7 [**7**].
Rhinopoma microphyllum (Brünnich, 1782)
SMF: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
AMNH: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
AMNH: 1, BMNH: 2, MNHN: 7, RMCA: 2, ROM: 7, SMF: 16, USNM: 11 [**46**].
Scotophilus viridis (Peters, 1852)
AMNH: 1, ROM: 5, USNM: 2 [**8**].
Taphozous nudiventris Cretzschmar, 1830
MNHN: 1, SMF: 8 [**9**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
RMCA: 2, SMF: 11 [**13**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
USNM: 32 [**32**].

Total Specimens for Burkina Faso: 1416

Burundi

Chaerephon Dobson, 1874
MHNG: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
MNHN: 1, RBINS: 4, RMCA: 7, SMF: 8 [**20**].
Doryrhina cyclops (Temminck, 1853)
FMNH: 3 [**3**].
Eidolon helvum (Kerr, 1792)
MHNG: 30, RBINS: 1, RMCA: 2, SMF: 3 [**36**].
Epomophorus Bennett, 1836
RMNH: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
FMNH: 1, MHNG: 151, RBINS: 43, RMCA: 111, SMF: 13 [**319**].
Epomophorus wahlbergi (Sundevall, 1846)
FMNH: 2, MHNG: 4, RBINS: 1 [**7**].
Glauconycteris argentata (Dobson, 1875)
MHNG: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
MHNG: 3, SMF: 3 [**6**].
Hipposideros ruber (Noack, 1893)
FMNH: 3, MHNG: 21, RMCA: 5, SMF: 3 [**32**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
RMCA: 2, SMF: 2 [**4**].
Macronycteris vittatus (Peters, 1852)
RMCA: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
SMF: 3 [**3**].
Miniopterus fraterculus Thomas and Schwann, 1906
FMNH: 7, MHNG: 5 [**12**].
Miniopterus inflatus inflatus Thomas, 1903
MHNG: 4 [**4**].
Mops (Mops) condylurus (A. Smith, 1833)
RMCA: 177, SMF: 7 [**184**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
SMF: 5 [**5**].
Myonycteris angolensis (Bocage, 1898)
FMNH: 53, RMCA: 1, SMF: 4 [**58**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
FMNH: 7 [**7**].
Myotis bocagii (Peters, 1870)
MHNG: 2, SMF: 1 [**3**].
Myotis welwitschii (Gray, 1866)
MHNG: 1 [**1**].
Neoromicia Roberts, 1926
MHNG: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
MHNG: 1 [**1**].
Neoromicia nana (Peters, 1852)
MHNG: 20, RBINS: 1, RMCA: 4, SMF: 5, ZMB: 1 [**31**].
Neoromicia tenuipinnis (Peters, 1872)
MCZ: 1, MHNG: 9, RMCA: 1, ZMB: 1 [**12**].

Nycteris arge Thomas, 1903
FMNH: 1, RMCA: 2 [**3**].
Nycteris hispida (Schreber, 1774)
MHNG: 2, RMCA: 1, SMF: 1 [**4**].
Nycteris macrotis Dobson, 1876
SMF: 2 [**2**].
Nycteris nana (K. Andersen, 1912)
FMNH: 1, RMCA: 1 [**2**].
Otomops martiensseni (Matschie, 1897)
FMNH: 1, MHNG: 1 [**2**].
Pipistrellus Kaup, 1829
MHNG: 4, USNM: 1 [**5**].
Pipistrellus grandidieri (Dobson, 1876)
SMF: 2 [**2**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
FMNH: 1 [**1**].
Rhinolophus Lacépède, 1799
MHNG: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
FMNH: 2 [**2**].
Rhinolophus fumigatus Rüppell, 1842
MHNG: 21 [**21**].
Rhinolophus hildebrandtii Peters, 1878
MHNG: 11, RMCA: 2 [**13**].
Rhinolophus lobatus Peters, 1852
SMF: 2 [**2**].
Rousettinae Andersen, 1912
RMCA: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
FMNH: 3, RBINS: 1, RMCA: 3, SMF: 7 [**14**].
Scotophilus Leach, 1821
MHNG: 10 [**10**].
Scotophilus dinganii (A. Smith, 1833)
MHNG: 19, RBINS: 2, RMCA: 9, SMF: 3 [**33**].
Scotophilus leucogaster (Cretzschmar, 1826)
MHNG: 2 [**2**].
Scotophilus nigrita (Schreber, 1774)
MHNG: 1 [**1**].
Stenonycteris lanosus (Thomas, 1906)
FMNH: 7 [**7**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
RMCA: 1, SMF: 2 [**3**].

Total Specimens for Burundi: 887

Cameroon

Casinycteris argynnis Thomas, 1910
BMNH: 1, RMCA: 4 [**5**].
Casinycteris campomaanensis Hassanin, 2014
MNHN: 1 [**1**].
Casinycteris ophiodon (Pohle, 1943)
ZMB: 1 [**1**].
Chaerephon Dobson, 1874
ZMA: 5 [**5**].
Chaerephon ansorgei (Thomas, 1913)
AMNH: 3, RMCA: 92 [**95**].
Chaerephon bemmeleni (Jentink, 1879)
RMCA: 175, ROM: 24 [**199**].
Chaerephon chapini J.A. Allen, 1917
LZUM: 1 [**1**].
Chaerephon leucogaster (A. Grandidier, 1869)
LZUM: 1 [**1**].
Chaerephon major (Trouessart, 1897)
LZUM: 1, RMCA: 138 [**139**].
Chaerephon pumilus (Cretzschmar, 1826)
BMNH: 1, LZUM: 1, MNHN: 2, RMCA: 166, TTU: 2, ZMB: 3 [**175**].
Chaerephon russatus J.A. Allen, 1917
ROM: 5, TTU: 1 [**6**].
CHIROPTERA Blumenbach, 1779
YPM: 1, ZMB: 1 [**2**].
Coleura afra (Peters, 1852)
GV: 2 [**2**].

Doryrhina cyclops (Temminck, 1853)
AMNH: 16, BMNH: 16, EBD: 3, FMNH: 2, MCZ: 4, MNHN: 1, MSB: 17, RMCA: 19, ROM: 16, SMF: 1, USNM: 7, YPM: 1, ZMB: 20 [**123**].
Eidolon helvum (Kerr, 1792)
AMNH: 1, BMNH: 2, CM: 4, FMNH: 19, LZUM: 1, MCZ: 10, MNHN: 6, MVZ: 3, RMCA: 103, SMF: 3, USNM: 1, ZMB: 48, ZMH: 2 [**203**].
Eidolon helvum helvum (Kerr, 1792)
AMNH: 4, MNHN: 9, MVZ: 1, ROM: 49 [**63**].
Epomophorus gambianus (Ogilby, 1835)
AMNH: 3, CM: 1, LZUM: 2, MHNC: 11, RMCA: 231, SMF: 2, ZMA: 1, ZMB: 2 [**253**].
Epomophorus gambianus gambianus (Ogilby, 1835)
ROM: 30, ZMA: 3 [**33**].
Epomophorus labiatus (Temminck, 1837)
TTU: 2 [**2**].
Epomophorus wahlbergi (Sundevall, 1846)
USNM: 1 [**1**].
Epomops franqueti (Tomes, 1860)
AMNH: 19, BMNH: 13, BRTC: 2, CM: 19, FMNH: 5, MCZ: 6, MNHN: 50, PCMB: 5, RMCA: 236, ROM: 286, TTU: 5, USNM: 12, ZMA: 11, ZMB: 29 [**698**].
Glauconycteris alboguttata J.A. Allen, 1917
AMNH: 1, ROM: 3, USNM: 1 [**5**].
Glauconycteris argentata (Dobson, 1875)
AMNH: 5, BMNH: 1, ROM: 8, ZMB: 2 [**16**].
Glauconycteris beatrix Thomas, 1901
BMNH: 1, CM: 1, HNHM: 1, ROM: 1, USNM: 2 [**6**].
Glauconycteris curryae Eger and Schlitter, 2001
AMNH: 1, CM: 1, ROM: 3 [**5**].
Glauconycteris egeria Thomas, 1913
BMNH: 1, ROM: 3 [**4**].
Glauconycteris gleni Peterson and Smith, 1973
ROM: 1 [**1**].
Glauconycteris poensis (Gray, 1842)
MSB: 1, ROM: 1, SMF: 3 [**5**].
Glauconycteris variegata (Tomes, 1861)
MCZ: 2, MNHN: 5 [**7**].
Hipposideros Gray, 1831
MCZ: 1, YPM: 1 [**2**].
Hipposideros abae J.A. Allen, 1917
RMCA: 1 [**1**].
Hipposideros beatus (K. Andersen, 1906)
AMNH: 1, BMNH: 1, MCZ: 7, MSB: 5, ROM: 8, USNM: 2 [**24**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 2, BMNH: 4, BRTC: 2, MNHN: 2, RMCA: 9, ROM: 514, SMF: 1, TTU: 27, ZMB: 41 [**602**].
Hipposideros camerunensis Eisentraut, 1956
AMNH: 1, BMNH: 1, RMCA: 8, SMF: 2, SMNS: 3, ZFMK: 1 [**16**].
Hipposideros curtus G.M. Allen, 1921
BMNH: 3, MCZ: 1, RMCA: 1, ROM: 26, USNM: 1 [**32**].
Hipposideros fuliginosus (Temminck, 1853)
AMNH: 1, FMNH: 1, MCZ: 5, MNHN: 2, USNM: 1, ZMB: 5 [**15**].
Hipposideros jonesi Hayman, 1947
RMCA: 2 [**2**].
Hipposideros ruber (Noack, 1893)
AMNH: 30, BMNH: 17, EBD: 10, FMNH: 14, MCZ: 38, MNHN: 19, NMV: 3, RMCA: 39, SMF: 4, USNM: 5 [**179**].
Hypsignathus monstrosus H. Allen, 1862
AMNH: 6, BMNH: 3, CM: 1, MCZ: 1, MNHN: 6, PCMB: 1, RMCA: 5, ROM: 27, SMF: 1, ZMA: 1, ZMB: 39, ZMH: 4 [**95**].
Hypsugo crassulus (Thomas, 1904)
BMNH: 1, CM: 1, MCZ: 1 [**3**].
Hypsugo eisentrauti (Hill, 1968)
BMNH: 7, ZFMK: 4 [**11**].
Hypsugo musciculus (Thomas, 1913)
BMNH: 6, MHNG: 6, ROM: 1 [**13**].
Kerivoula cuprosa Thomas, 1912
BMNH: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 9, FMNH: 1, MCZ: 4 [**14**].
Kerivoula phalaena Thomas, 1912
RMCA: 1, USNM: 1, ZMB: 2 [**4**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
BMNH: 2, MNHN: 1, RMCA: 30, SMF: 1, ZMB: 4 [**38**].
Macronycteris gigas (Wagner, 1845)
AMNH: 4, BMNH: 3, MCZ: 2, MNHN: 3, MSB: 1, NMV: 2, ROM: 3, USNM: 2, YPM: 1 [**21**].
Macronycteris vittatus (Peters, 1852)
RMCA: 15, ROM: 12, ZMB: 3 [**30**].
Megaloglossus woermanni Pagenstecher, 1885
AMNH: 19, CM: 13, FMNH: 1, MCZ: 3, MNHN: 22, MSB: 1, RBINS: 2, RMCA: 66, ROM: 175, SMF: 18, TTU: 5, USNM: 8, ZMA: 4, ZMB: 4 [**341**].

Micropteropus pusillus (Peters, 1868)
AMNH: 5, BMNH: 1, BRTC: 2, LZUM: 1, MNHN: 30, RMCA: 226, ROM: 167, SMF: 15, TTU: 2, ZMA: 2 [**451**].
Mimetillus moloneyi (Thomas, 1891)
AMNH: 3, ROM: 32, TTU: 3, ZMB: 2 [**40**].
Miniopterus fraterculus Thomas and Schwann, 1906
ROM: 28 [**28**].
Miniopterus inflatus Thomas, 1903
BMNH: 1, RMCA: 1, ROM: 38 [**40**].
Miniopterus natalensis (A. Smith, 1833)
BMNH: 9, FMNH: 9, SMF: 2 [**20**].
Mops (Mops) condylurus (A. Smith, 1833)
LZUM: 1, MNHN: 4, RMCA: 120, ROM: 81 [**206**].
Mops (Mops) congicus J.A. Allen, 1917
AMNH: 1, ROM: 2 [**3**].
Mops (Mops) midas (Sundevall, 1843)
RMCA: 3 [**3**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
LZUM: 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
AMNH: 3, BMNH: 3, MCZ: 5, RMCA: 1, ROM: 3, TTU: 1, ZMB: 1 [**17**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
AMNH: 1, BMNH: 2, RMCA: 2, ROM: 38, TTU: 1 [**44**].
Mops (Xiphonycteris) petersoni (El Rayah, 1981)
AMNH: 9, ROM: 37, TTU: 4 [**50**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
AMNH: 13, ROM: 101, TTU: 7 [**121**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
AMNH: 23, BMNH: 3, RMCA: 2, ROM: 41, TTU: 12, ZMB: 1 [**82**].
Myonycteris angolensis (Bocage, 1898)
BMNH: 1, MNHN: 2, RMCA: 15, ROM: 98, SMF: 3, TTU: 2, ZMB: 11 [**132**].
Myonycteris angolensis angolensis (Bocage, 1898)
BMNH: 7, FMNH: 4, MNHN: 11, ZMB: 5 [**27**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
AMNH: 2, FMNH: 2 [**4**].
Myonycteris torquata (Dobson, 1878)
AMNH: 32, BMNH: 5, CM: 9, MCZ: 2, MNHN: 33, PCMB: 1, RMCA: 18, SMF: 3, TTU: 3, USNM: 2, YPM: 1 [**109**].
Myonycteris torquata torquata (Dobson, 1878)
FMNH: 1, ROM: 12 [**13**].
Myopterus whitleyi (Scharff, 1900)
BMNH: 6, ROM: 2 [**8**].
Myotis bocagii (Peters, 1870)
RMCA: 2, SMF: 1, ZMB: 1 [**4**].
Myotis bocagii bocagii (Peters, 1870)
MCZ: 1 [**1**].
Myotis bocagii cupreolus Thomas, 1904
AMNH: 2, BMNH: 5, FMNH: 4, ROM: 30, TTU: 2 [**43**].
Nanonycteris veldkampii (Jentink, 1888)
AMNH: 1, BMNH: 3, MNHN: 3, RMCA: 2, ROM: 107, SMF: 7, TTU: 1, USNM: 2, YPM: 4 [**130**].
Neoromicia Roberts, 1926
BMNH: 3 [**3**].
Neoromicia brunnea (Thomas, 1880)
AMNH: 1, BMNH: 2, CM: 18, MCZ: 1, RMCA: 1, ROM: 10, ZMB: 1 [**34**].
Neoromicia capensis (A. Smith, 1829)
RMCA: 2 [**2**].
Neoromicia guineensis (Bocage, 1889)
CM: 1, MNHN: 1, RMCA: 4 [**6**].
Neoromicia helios (Heller, 1912)
ROM: 6 [**6**].
Neoromicia nana (Peters, 1852)
AMNH: 1, BMNH: 9, CM: 13, FMNH: 7, MCZ: 10, MHNG: 1, MNHN: 1, RMCA: 84, ROM: 21, ZFMK: 4, ZMB: 1 [**152**].
Neoromicia rendalli (Thomas, 1889)
RMCA: 8 [**8**].
Neoromicia somalica (Thomas, 1901)
CM: 1, RMCA: 4 [**5**].
Neoromicia tenuipinnis (Peters, 1872)
AMNH: 1, BMNH: 3, CM: 18, MCZ: 1, RMCA: 1, ROM: 23, SMF: 1, SMNS: 1, ZFMK: 1, ZMB: 2 [**52**].
Nycteris arge Thomas, 1903
AMNH: 1, BMNH: 26, FMNH: 1, MCZ: 4, MHNG: 1, MNHN: 1, RMCA: 5, ROM: 17, SMNS: 4, USNM: 4, ZFMK: 3, ZMB: 2 [**69**].
Nycteris gambiensis (K. Andersen, 1912)
MNHN: 1 [**1**].
Nycteris grandis Peters, 1865
BMNH: 6, MCZ: 3, MNHN: 1, MSB: 2, RMCA: 2, ROM: 20, USNM: 1, ZFMK: 2, ZMB: 1 [**38**].
Nycteris hispida (Schreber, 1774)
AMNH: 2, BMNH: 11, FMNH: 2, MCZ: 10, MNHN: 6, RMCA: 190, ROM: 8, USNM: 1, ZFMK: 28, ZMB: 2, ZMH: 1 [**261**].

Nycteris intermedia Aellen, 1959
RMCA: 2, USNM: 1 [**3**].
Nycteris macrotis Dobson, 1876
AMNH: 2, MHNG: 1, RMCA: 12, ROM: 1, USNM: 15, ZFMK: 10, ZMB: 2 [**43**].
Nycteris major (K. Andersen, 1912)
BMNH: 1, MHNG: 2, SMNS: 2, ZMB: 1 [**6**].
Nycteris nana (K. Andersen, 1912)
BMNH: 3, FMNH: 1, MCZ: 3, RMCA: 1, ROM: 5 [**13**].
Nycteris parisii (de Beaux, 1924)
MHNG: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
RMCA: 13, ZMB: 1 [**14**].
Nycticeinops schlieffenii (Peters, 1859)
MNHN: 1, RMCA: 5 [**6**].
Pipistrellus Kaup, 1829
BMNH: 1, MCZ: 3 [**4**].
Pipistrellus grandidieri (Dobson, 1876)
CM: 1, ROM: 1 [**2**].
Pipistrellus hesperidus (Temminck, 1840)
BMNH: 1, ZFMK: 2 [**3**].
Pipistrellus inexspectatus Aellen, 1959
MHNC: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
AMNH: 2, BMNH: 2, CM: 6, MHNG: 2, RMCA: 2, ROM: 1, USNM: 1 [**16**].
Pipistrellus rueppellii (Fischer, 1829)
MCZ: 1, RMCA: 22 [**23**].
Pipistrellus rusticus (Tomes, 1861)
RMCA: 3 [**3**].
Rhinolophus alcyone Temminck, 1853
AMNH: 1, BMNH: 4, HNHM: 2, RMCA: 4, ROM: 32, USNM: 2 [**45**].
Rhinolophus clivosus Cretzschmar, 1828
MNHN: 2, RMCA: 1 [**3**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 4, RMCA: 44, ROM: 36 [**84**].
Rhinolophus hillorum Koopman, 1989
RMCA: 1 [**1**].
Rhinolophus hipposideros (Bechstein, 1800)
BMNH: 4 [**4**].
Rhinolophus landeri Martin, 1838
BMNH: 5, MCZ: 1, MNHN: 3, RMCA: 3, ROM: 15, ZMB: 5 [**32**].
Rhinolophus simulator K. Andersen, 1904
BMNH: 6, FMNH: 4, RMCA: 1, ROM: 55, SMF: 6 [**72**].
Rhinopoma microphyllum (Brünnich, 1782)
RMCA: 3 [**3**].
Rousettinae Andersen, 1912
YPM: 17 [**17**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
AMNH: 13, BMNH: 1, CM: 2, FMNH: 4, MNHN: 30, MVZ: 3, RMCA: 10, ROM: 91, SMF: 1, TTU: 8, USNM: 2, ZFMK: 40, ZMB: 4 [**209**].
Saccolaimus peli (Temminck, 1853)
AMNH: 8, BMNH: 3, RMCA: 1, ZMB: 1 [**13**].
Scotoecus albofuscus (Thomas, 1890)
AMNH: 1 [**1**].
Scotoecus hindei Thomas, 1901
AMNH: 1, RMCA: 5 [**6**].
Scotoecus hirundo (de Winton, 1899)
RMCA: 5, ROM: 3 [**8**].
Scotonycteris zenkeri Matschie, 1894
AMNH: 3, BMNH: 2, CM: 2, MNHN: 11, MSB: 6, RMCA: 8, ROM: 10, TTU: 1, USNM: 1, ZFMK: 5, ZMB: 2 [**51**].
Scotophilus Leach, 1821
ZMA: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
LZUM: 1, RMCA: 4, TTU: 1 [**6**].
Scotophilus leucogaster (Cretzschmar, 1826)
LZUM: 1, RMCA: 113 [**114**].
Scotophilus nigrita (Schreber, 1774)
LZUM: 1 [**1**].
Scotophilus nux Thomas, 1904
AMNH: 4, BMNH: 8, RMCA: 1, ROM: 3, TTU: 3, ZMA: 1 [**20**].
Scotophilus viridis (Peters, 1852)
RMCA: 16, ROM: 1 [**17**].
Taphozous E. Geoffroy St.-Hilaire, 1818
MNHN: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
AMNH: 2, MNHN: 1, RMCA: 29, ROM: 1, ZMB: 4 [**37**].

Taphozous nudiventris Cretzschmar, 1830
RMCA: 79 [**79**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
RMCA: 1 [**1**].
Vespertilioninae Gray, 1821
YPM: 1 [**1**].

Total Specimens for Cameroon: 6680

Canary Islands (Spain)

Hypsugo savii (Bonaparte, 1837)
BMNH: 7 [**7**].
Pipistrellus Kaup, 1829
ZMA: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
BMNH: 5 [**5**].
Pipistrellus maderensis (Dobson, 1878)
EBD: 1, MCZ: 1 [**2**].
Plecotus E. Geoffroy St.-Hilaire, 1818
ZMA: 1 [**1**].
Plecotus teneriffae Barrett-Hamilton, 1907
BMNH: 1 [**1**].

Total Specimens for Canary Islands (Spain): 17

Cape Verde

Hypsugo savii (Bonaparte, 1837)
BMNH: 3, MZUF: 4, USNM: 2 [**9**].
Miniopterus inflatus Thomas, 1903
MZUF: 2 [**2**].
Pipistrellus hesperidus (Temminck, 1840)
MZUF: 1 [**1**].
Plecotus E. Geoffroy St.-Hilaire, 1818
MNHN: 1 [**1**].
Taphozous nudiventris Cretzschmar, 1830
MNHN: 6 [**6**].

Total Specimens for Cape Verde: 19

Central African Republic

Casinycteris argynnis Thomas, 1910
AMNH: 1, MNHN: 1 [**2**].
Chaerephon Dobson, 1874
MNHN: 1 [**1**].
Chaerephon leucogaster (A. Grandidier, 1869)
AMNH: 1 [**1**].
Chaerephon major (Trouessart, 1897)
MNHN: 1 [**1**].
Chaerephon nigeriae Thomas, 1913
MNHN: 67, ZMB: 3 [**70**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 1, MNHN: 31 [**32**].
CHIROPTERA Blumenbach, 1779
AMNH: 1 [**1**].
Coleura afra (Peters, 1852)
BMNH: 4, MNHN: 93, SMF: 2 [**99**].
Doryrhina cyclops (Temminck, 1853)
AMNH: 4, MNHN: 8 [**12**].
Eidolon helvum (Kerr, 1792)
MNHN: 6 [**6**].
Epomophorus Bennett, 1836
MNHN: 1 [**1**].
Epomophorus crypturus Peters, 1852
MNHN: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
BMNH: 3, CM: 2, MNHN: 7, SMF: 2, ZMB: 1 [**15**].
Epomophorus gambianus pousarguesi Trouessart, 1904
MNHN: 4, ZMA: 1 [**5**].
Epomops franqueti (Tomes, 1860)
AMNH: 8, MNHN: 32, ZMB: 1 [**41**].
Glauconycteris beatrix Thomas, 1901
AMNH: 4 [**4**].

Glauconycteris egeria Thomas, 1913
AMNH: 3, MNHN: 2 [**5**].
Glauconycteris variegata (Tomes, 1861)
MNHN: 1 [**1**].
Hipposideros abae J.A. Allen, 1917
AMNH: 2, BMNH: 1, MNHN: 31 [**34**].
Hipposideros beatus (K. Andersen, 1906)
MNHN: 26 [**26**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 1, MNHN: 8 [**9**].
Hipposideros fuliginosus (Temminck, 1853)
MNHN: 2 [**2**].
Hipposideros ruber (Noack, 1893)
AMNH: 4, BMNH: 1, MNHN: 167 [**172**].
Hypsignathus monstrosus H. Allen, 1862
MNHN: 7, RMCA: 1 [**8**].
Kerivoula lanosa (A. Smith, 1847)
MNHN: 2 [**2**].
Kerivoula smithii Thomas, 1880
HNHM: 1, MNHN: 5 [**6**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
BMNH: 1, MNHN: 2 [**3**].
Macronycteris gigas (Wagner, 1845)
AMNH: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
AMNH: 2, MNHN: 5 [**7**].
Megaloglossus woermanni Pagenstecher, 1885
AMNH: 4, MNHN: 3 [**7**].
Micropteropus pusillus (Peters, 1868)
AMNH: 1, BMNH: 2, CM: 8, MNHN: 3, RMCA: 4 [**18**].
Mimetillus moloneyi (Thomas, 1891)
AMNH: 2, MNHN: 3 [**5**].
Miniopterus inflatus Thomas, 1903
MNHN: 5 [**5**].
Miniopterus minor Peters, 1867
MNHN: 21 [**21**].
Mops (Mops) condylurus (A. Smith, 1833)
MNHN: 331 [**331**].
Mops (Mops) congicus J.A. Allen, 1917
BMNH: 1 [**1**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
MNHN: 1 [**1**].
Myonycteris torquata (Dobson, 1878)
AMNH: 4, BMNH: 1, LER: 1, MNHN: 53 [**59**].
Myopterus daubentonii Desmarest, 1820
MNHN: 1 [**1**].
Myopterus whitleyi (Scharff, 1900)
Rennes: 1 [**1**].
Myotis bocagii (Peters, 1870)
MNHN: 1 [**1**].
Myotis bocagii cupreolus Thomas, 1904
AMNH: 2 [**2**].
Nanonycteris veldkampii (Jentink, 1888)
LACM: 1, MNHN: 2 [**3**].
Neoromicia Roberts, 1926
MNHN: 4 [**4**].
Neoromicia guineensis (Bocage, 1889)
CM: 3, MNHN: 1 [**4**].
Neoromicia nana (Peters, 1852)
BMNH: 1, CM: 3, MNHN: 139, ZMB: 2 [**145**].
Neoromicia rendalli (Thomas, 1889)
MNHN: 1 [**1**].
Neoromicia somalica (Thomas, 1901)
CM: 18 [**18**].
Neoromicia tenuipinnis (Peters, 1872)
CM: 5, MNHN: 1 [**6**].
Nycteris arge Thomas, 1903
AMNH: 4 [**4**].
Nycteris grandis Peters, 1865
AMNH: 4, MNHN: 1 [**5**].
Nycteris hispida (Schreber, 1774)
AMNH: 5, CM: 2, MNHN: 23 [**30**].
Nycteris intermedia Aellen, 1959
AMNH: 1 [**1**].
Nycteris macrotis Dobson, 1876
MNHN: 1 [**1**].

Nycteris nana (K. Andersen, 1912)
MNHN: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
MNHN: 2 [**2**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 1 [**1**].
Otomops martiensseni (Matschie, 1897)
BMNH: 2 [**2**].
Pipistrellus Kaup, 1829
MNHN: 5 [**5**].
Pipistrellus nanulus Thomas, 1904
MNHN: 23 [**23**].
Pipistrellus rueppellii (Fischer, 1829)
MNHN: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
CM: 6, MNHN: 1 [**7**].
PTEROPODIDAE Gray, 1821
MNHN: 1 [**1**].
Rhinolophus Lacépède, 1799
MNHN: 3, ZMB: 1 [**4**].
Rhinolophus alcyone Temminck, 1853
AMNH: 2, MNHN: 1 [**3**].
Rhinolophus clivosus Cretzschmar, 1828
ZMB: 2 [**2**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 7, MNHN: 21 [**28**].
Rhinolophus landeri Martin, 1838
BMNH: 1, MNHN: 2 [**3**].
Saccolaimus peli (Temminck, 1853)
MNHN: 1 [**1**].
Scotoecus albofuscus (Thomas, 1890)
MNHN: 3 [**3**].
Scotoecus hirundo (de Winton, 1899)
MNHN: 1 [**1**].
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
MNHN: 4 [**4**].
Scotophilus Leach, 1821
MNHN: 9 [**9**].
Scotophilus dinganii (A. Smith, 1833)
AMNH: 1, MNHN: 7 [**8**].
Scotophilus leucogaster (Cretzschmar, 1826)
MNHN: 16 [**16**].
Scotophilus viridis (Peters, 1852)
BMNH: 2, MNHN: 4 [**6**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 2, MNHN: 4 [**6**].
Triaenops afer Peters, 1877
MNHN: 3 [**3**].

Total Specimens for Central African Republic: 1383

Chad

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
RMCA: 1, USNM: 4 [**5**].
Chaerephon Dobson, 1874
MNHN: 3, ZMA: 11 [**14**].
Chaerephon leucogaster (A. Grandidier, 1869)
AMNH: 9 [**9**].
Chaerephon pumilus (Cretzschmar, 1826)
BMNH: 1, MNHN: 1, SMF: 6, USNM: 3 [**11**].
Eidolon helvum (Kerr, 1792)
RBINS: 1, SMF: 5 [**6**].
Eidolon helvum helvum (Kerr, 1792)
MNHN: 2 [**2**].
Epomophorus gambianus (Ogilby, 1835)
MNHN: 1, USNM: 2 [**3**].
Epomophorus gambianus gambianus (Ogilby, 1835)
AMNH: 16, USNM: 1 [**17**].
Epomophorus labiatus (Temminck, 1837)
SMF: 1, USNM: 1 [**2**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
AMNH: 3, BMNH: 1, FMNH: 2, MNHN: 6, SMF: 11, USNM: 1, ZMB: 1 [**25**].
Macronycteris vittatus (Peters, 1852)
ZMB: 1 [**1**].

Mops (Mops) Lesson, 1842
ZMA: 1 [**1**].
Myonycteris torquata (Dobson, 1878)
MNHN: 1 [**1**].
Neoromicia guineensis (Bocage, 1889)
AMNH: 1, SMF: 2 [**3**].
Neoromicia nana (Peters, 1852)
SMF: 1, ZMA: 1 [**2**].
Neoromicia rendalli (Thomas, 1889)
MHNG: 12 [**12**].
Neoromicia somalica (Thomas, 1901)
MHNG: 1 [**1**].
Nycteris G. Cuvier and E. Geoffroy, 1795
AMNH: 1 [**1**].
Nycteris hispida (Schreber, 1774)
AMNH: 17, SMF: 5, USNM: 3, ZMA: 5, ZMH: 1 [**31**].
Nycteris macrotis Dobson, 1876
USNM: 2 [**2**].
Nycticeinops schlieffenii (Peters, 1859)
MNHN: 2, USNM: 1 [**3**].
Pipistrellus kuhlii (Kuhl, 1817)
RMCA: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
MNHN: 1 [**1**].
Rhinopoma cystops Thomas, 1903
RMCA: 2 [**2**].
Scotophilus leucogaster (Cretzschmar, 1826)
AMNH: 1, ZMA: 27 [**28**].
Taphozous E. Geoffroy St.-Hilaire, 1818
MNHN: 2 [**2**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
MNHN: 2 [**2**].

Total Specimens for Chad: 188

Comoros

Chaerephon pumilus (Cretzschmar, 1826)
FMNH: 99, MNHN: 2, RMCA: 5 [**106**].
Chaerephon pusillus (Miller, 1902)
FMNH: 81, ZMB: 1 [**82**].
Miniopterus Bonaparte, 1837
ZMB: 2 [**2**].
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
FMNH: 4, MHNG: 1 [**5**].
Miniopterus griveaudi Harrison, 1959
BMNH: 1, FMNH: 113, HZM: 2, MNHN: 5 [**121**].
Miniopterus manavi Thomas, 1906
FMNH: 2 [**2**].
Miniopterus minor Peters, 1867
EBD: 2, MNHN: 5 [**7**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
FMNH: 36 [**36**].
Myotis anjouanensis (Dorst, 1960)
FMNH: 1, MHNG: 1, MNHN: 6 [**8**].
Neoromicia nana (Peters, 1852)
ZMB: 1 [**1**].
Pteropus livingstonii Gray, 1866
AMNH: 89, BMNH: 5, MNHN: 6, RMNH: 2, ZMB: 6 [**108**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
ZMB: 3 [**3**].
Pteropus seychellensis A. Milne-Edwards, 1877
BMNH: 16, MNHN: 8, NMW: 2, RMCA: 9, RMNH: 1 [**36**].
Rousettus obliviosus Kock, 1978
FMNH: 71, RMCA: 107, SMF: 1, USNM: 1, ZFMK: 1, ZMA: 2, ZMB: 13 [**196**].

Total Specimens for Comoros: 713

Congo

Casinycteris ophiodon (Pohle, 1943)
ZMA: 1 [**1**].
Chaerephon Dobson, 1874
ZMA: 21 [**21**].

Chaerephon leucogaster (A. Grandidier, 1869)
AMNH: 22 [**22**].
Chaerephon pumilus (Cretzschmar, 1826)
FMNH: 7, MNHN: 30, ZMA: 6 [**43**].
Doryrhina cyclops (Temminck, 1853)
MNHN: 1 [**1**].
Eidolon helvum (Kerr, 1792)
MNHN: 2, ZMA: 3 [**5**].
Eidolon helvum helvum (Kerr, 1792)
AMNH: 3, ZMA: 1 [**4**].
Epomophorus grandis (Sanborn, 1950)
ZMA: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
ZMA: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
AMNH: 1, ZMA: 12 [**13**].
Epomops franqueti (Tomes, 1860)
AMNH: 1, MNHN: 21, SMF: 2, ZMA: 7 [**31**].
Glauconycteris alboguttata J.A. Allen, 1917
HZM: 1 [**1**].
Glauconycteris argentata (Dobson, 1875)
AMNH: 12, MNHN: 1 [**13**].
Glauconycteris beatrix Thomas, 1901
HZM: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
MNHN: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
FMNH: 2, HZM: 1, MNHN: 22 [**25**].
Hipposideros ruber (Noack, 1893)
AMNH: 3, HZM: 4, MNHN: 2, RMNH: 72 [**81**].
Hypsignathus monstrosus H. Allen, 1862
MNHN: 8, SMF: 1 [**9**].
Hypsugo crassulus (Thomas, 1904)
HZM: 1, MNHN: 1 [**2**].
Kerivoula phalaena Thomas, 1912
MNHN: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
FMNH: 3, MNHN: 2 [**5**].
Megaloglossus woermanni Pagenstecher, 1885
FMNH: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
AMNH: 12, FMNH: 1, MNHN: 19, SMF: 196, ZMA: 63 [**291**].
Mimetillus moloneyi (Thomas, 1891)
HZM: 1 [**1**].
Miniopterus inflatus inflatus Thomas, 1903
HZM: 4 [**4**].
Miniopterus minor Peters, 1867
MHNG: 1, MNHN: 1, ZMA: 2 [**4**].
Mops Lesson, 1842
MNHN: 2 [**2**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 15, MNHN: 2, RMNH: 5, SMF: 26 [**48**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
MNHN: 5 [**5**].
Myonycteris angolensis (Bocage, 1898)
MNHN: 3, ZMA: 1 [**4**].
Myonycteris angolensis angolensis (Bocage, 1898)
ZMA: 1 [**1**].
Myonycteris torquata (Dobson, 1878)
MNHN: 5, UMNG: 7, ZMA: 1 [**13**].
Myotis bocagii (Peters, 1870)
MNHN: 1 [**1**].
Myotis dieteri M. Happold, 2005
MNHN: 1 [**1**].
Neoromicia Roberts, 1926
FMNH: 1 [**1**].
Neoromicia brunnea (Thomas, 1880)
HZM: 1 [**1**].
Neoromicia guineensis (Bocage, 1889)
MNHN: 1 [**1**].
Neoromicia nana (Peters, 1852)
AMNH: 1, CM: 20, HNHM: 2, HZM: 4, MNHN: 13, SMF: 1, ZMA: 2, ZMB: 1 [**44**].
Neoromicia tenuipinnis (Peters, 1872)
HZM: 2, MNHN: 3 [**5**].
Nycteris G. Cuvier and E. Geoffroy, 1795
FMNH: 1, MNHN: 1 [**2**].

Nycteris grandis Peters, 1865
MNHN: 5, ZMA: 7, ZMB: 1 [**13**].
Nycteris hispida (Schreber, 1774)
AMNH: 2, HZM: 1, MNHN: 6 [**9**].
Nycteris macrotis Dobson, 1876
MHNG: 3, MNHN: 5 [**8**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
HZM: 1, MNHN: 1 [**2**].
Rhinolophus Lacépède, 1799
RMNH: 1 [**1**].
Rhinolophus adami Aellen and Brosset, 1968
HNHM: 1, MHNG: 1, MNHN: 11 [**13**].
Rhinolophus alcyone Temminck, 1853
HZM: 2, MNHN: 5 [**7**].
Rhinolophus fumigatus Rüppell, 1842
MNHN: 1 [**1**].
Rhinolophus silvestris Aellen, 1959
FMNH: 1, HNHM: 1, MNHN: 4, ZMA: 1 [**7**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
MNHN: 6 [**6**].
Scotophilus Leach, 1821
MNHN: 2 [**2**].
Scotophilus dinganii (A. Smith, 1833)
MNHN: 12, ZMA: 34 [**46**].
Scotophilus nigrita (Schreber, 1774)
HNHM: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
AMNH: 5, ZMA: 1 [**6**].
Triaenops afer Peters, 1877
HZM: 3, MNHN: 8, ZMA: 1 [**12**].

Total Specimens for Congo: 849

Congo (Democratic Republic of the)

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
MNHN: 18 [**18**].
Cardioderma cor (Peters, 1872)
UNIKIS: 1 [**1**].
Casinycteris argynnis Thomas, 1910
AMNH: 1, MHNG: 6, MSB: 1, RMCA: 83, RMNH: 2, SMF: 17, UNIKIS: 33, ZMA: 6 [**149**].
Chaerephon Dobson, 1874
BMNH: 2, FMNH: 19 [**21**].
Chaerephon aloysiisabaudiae (Festa, 1907)
AMNH: 1, RBINS: 1, RMCA: 1, USNM: 1 [**4**].
Chaerephon ansorgei (Thomas, 1913)
AMNH: 24, BMNH: 4, FMNH: 2, MCZ: 2, MHNG: 4, MSB: 58, RBINS: 14, RMCA: 86 [**194**].
Chaerephon bemmeleni (Jentink, 1879)
INPBC: 1, RMCA: 1 [**2**].
Chaerephon bivittatus (Heuglin, 1861)
RMCA: 1 [**1**].
Chaerephon chapini J.A. Allen, 1917
AMNH: 2, RBINS: 2 [**4**].
Chaerephon gallagheri (Harrison, 1975)
BMNH: 1 [**1**].
Chaerephon leucogaster (A. Grandidier, 1869)
AMNH: 28, FMNH: 12, MCZ: 2 [**42**].
Chaerephon major (Trouessart, 1897)
AMNH: 34, MCZ: 2, MHNG: 5, RBINS: 4, RMCA: 7, USNM: 8 [**60**].
Chaerephon nigeriae Thomas, 1913
MNHN: 2, RBINS: 2, RMCA: 5, SMF: 1, USNM: 2 [**12**].
Chaerephon nigeriae nigeriae Thomas, 1913
AMNH: 1, RBINS: 4 [**5**].
Chaerephon nigeriae spillmanni (Monard, 1933)
BMNH: 5, MHNG: 1, RMCA: 13 [**19**].
Chaerephon pumilus (Cretzschmar, 1826)
BMNH: 18, FMNH: 3, HZM: 17, INPBC: 111, MSB: 103, RBINS: 35, RMCA: 793, RMNH: 10, SMF: 16, USNM: 8 [**1114**].
Chaerephon russatus J.A. Allen, 1917
AMNH: 24, BMNH: 1, FMNH: 1, MCZ: 2, RMCA: 1, USNM: 1 [**30**].
CHIROPTERA Blumenbach, 1779
AMNH: 4, RMCA: 19, UNIKIS: 64 [**87**].
Cloeotis percivali Thomas, 1901
MHNG: 1, RBINS: 11, RMCA: 2, SMF: 5 [**19**].

Coleura afra (Peters, 1852)
AMNH: 14, BMNH: 8, MCZ: 1, RBINS: 9, RMCA: 6 [**38**].
Doryrhina cyclops (Temminck, 1853)
AMNH: 14, BMNH: 7, FMNH: 3, INPBC: 25, KU: 1, MCZ: 7, MHNG: 1, RBINS: 34, RMCA: 21, UNIKIS: 7, USNM: 3 [**123**].
Eidolon helvum (Kerr, 1792)
AMNH: 2, BMNH: 7, FMNH: 1, KU: 1, MCZ: 4, MNHN: 12, RBINS: 25, RMCA: 293, RMNH: 3, TM: 18, UNIKIS: 4, USNM: 2, ZMA: 2, ZMB: 3 [**377**].
Eidolon helvum helvum (Kerr, 1792)
AMNH: 86, MNHN: 2 [**88**].
Epomophorus Bennett, 1836
INPBC: 3, MNHN: 11, RBINS: 4, RMCA: 1, RMNH: 1 [**20**].
Epomophorus anselli Bergmans and Van Strien, 2004
MNHN: 1 [**1**].
Epomophorus crypturus Peters, 1852
BMNH: 3, CM: 1, MHNG: 1, MNHN: 54, OSU: 1, RBINS: 14, RMCA: 39, ZMB: 1 [**114**].
Epomophorus dobsonii Bocage, 1889
BMNH: 2, MCZ: 1, RBINS: 12, RMCA: 3, ZMA: 1 [**19**].
Epomophorus gambianus (Ogilby, 1835)
RMCA: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
AMNH: 24, BMNH: 7, FMNH: 11, HZM: 1, INPBC: 25, MNHN: 3, NMW: 1, RBINS: 34, RMCA: 208, RMNH: 1, SMF: 24, SMNS: 2, USNM: 2, ZMZ: 8 [**351**].
Epomophorus minimus Claessen & De Vree, 1991
MNHN: 5 [**5**].
Epomophorus minor Dobson, 1880
AMNH: 2, INPBC: 2, RBINS: 4, RMCA: 3 [**11**].
Epomophorus wahlbergi (Sundevall, 1846)
AMNH: 11, FMNH: 2, INPBC: 2, MNHN: 11, NMBA: 2, RBINS: 6, RMCA: 99, SMF: 3, ZMA: 3 [**139**].
Epomops Gray, 1866
UNIKIS: 4 [**4**].
Epomops franqueti (Tomes, 1860)
AMNH: 31, BMNH: 12, FMNH: 9, HZM: 32, INPBC: 3, MHNG: 7, MSB: 1, NMW: 3, RBINS: 7, RMCA: 400, RMNH: 1, SMF: 9, UNIKIS: 194, USNM: 6, ZMA: 7, ZMB: 1 [**723**].
Glauconycteris Dobson, 1875
BMNH: 1, RMCA: 8, UNIKIS: 1 [**10**].
Glauconycteris alboguttata J.A. Allen, 1917
AMNH: 1, CM: 1, MNHN: 4, RBINS: 1, RMCA: 1 [**8**].
Glauconycteris argentata (Dobson, 1875)
BMNH: 10, INPBC: 1, MHNG: 1, MNHN: 5, RBINS: 22, RMCA: 70, SMF: 14, USNM: 1 [**124**].
Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
MNHN: 5 [**5**].
Glauconycteris beatrix Thomas, 1901
AMNH: 1, BMNH: 2, MNHN: 9, MSB: 1, RMCA: 9, RMNH: 2, SMF: 3, UNIKIS: 1 [**28**].
Glauconycteris curryae Eger and Schlitter, 2001
CM: 1, MNHN: 5 [**6**].
Glauconycteris humeralis J.A. Allen, 1917
AMNH: 5, BMNH: 1, CM: 1, FMNH: 3, HZM: 1, MNHN: 1, SMF: 3 [**15**].
Glauconycteris poensis (Gray, 1842)
AMNH: 1, RMCA: 2, SMF: 1 [**4**].
Glauconycteris superba Hayman, 1939
MNHN: 5, RMCA: 2, UNIKIS: 1 [**8**].
Glauconycteris variegata (Tomes, 1861)
AMNH: 20, FMNH: 2, INPBC: 5, MCZ: 2, RBINS: 2, RMCA: 22, ZMB: 1 [**54**].
Hipposideros Gray, 1831
INPBC: 1, UNIKIS: 8, ZMA: 6 [**15**].
Hipposideros abae J.A. Allen, 1917
AMNH: 33, MCZ: 2, RBINS: 162, RMCA: 87, SMF: 1, TM: 1 [**286**].
Hipposideros beatus (K. Andersen, 1906)
BMNH: 6, MCZ: 3, MHNG: 6, RBINS: 16, RMCA: 10, SMF: 3, UNIKIS: 9, USNM: 2 [**55**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 3, BMNH: 5, CAS: 4, FMNH: 18, INPBC: 110, MCZ: 2, MNHN: 1, RBINS: 127, RMCA: 11, SMF: 25, TM: 13, UNIKIS: 13, USNM: 7, ZMA: 1 [**340**].
Hipposideros camerunensis Eisentraut, 1956
BMNH: 1 [**1**].
Hipposideros fuliginosus (Temminck, 1853)
BMNH: 2, KU: 3, SMF: 1, USNM: 1 [**7**].
Hipposideros ruber (Noack, 1893)
AMNH: 73, BMNH: 39, FMNH: 15, HZM: 3, KU: 2, MCZ: 15, MHNG: 38, MNHN: 1, RBINS: 203, RMCA: 691, SMF: 25, UNIKIS: 9, USNM: 20, ZMA: 13 [**1147**].
Hypsignathus monstrosus H. Allen, 1862
AMNH: 44, BMNH: 6, FMNH: 4, KU: 1, MCZ: 6, NMW: 1, RBINS: 12, RMCA: 115, RMNH: 1, TM: 9, UNIKIS: 8, USNM: 3, ZMA: 1, ZMB: 2 [**213**].
Hypsugo anchietae (Seabra, 1900)
AMNH: 2 [**2**].
Hypsugo cf. eisentrauti Hill, 1968

AMNH: 2, FMNH: 1 [**3**].
Hypsugo crassulus (Thomas, 1904)
BMNH: 1, RMCA: 1, SMF: 5 [**7**].
Hypsugo musciculus (Thomas, 1913)
MNHN: 1, RMCA: 1 [**2**].
Kerivoula Gray, 1842
RMCA: 2 [**2**].
Kerivoula argentata Tomes, 1861
BMNH: 4, FMNH: 1, RBINS: 3, SMF: 2, ZMB: 2 [**12**].
Kerivoula cuprosa Thomas, 1912
RMCA: 3 [**3**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 1, RMCA: 3 [**4**].
Kerivoula phalaena Thomas, 1912
AMNH: 1, RMCA: 1, SMF: 1 [**3**].
Kerivoula smithii Thomas, 1880
AMNH: 3, BMNH: 2, NMW: 3, RMCA: 7, UNIKIS: 6 [**21**].
Laephotis angolensis Monard, 1935
BMNH: 2 [**2**].
Laephotis botswanae Setzer, 1971
BMNH: 2, RMCA: 6, SMF: 3 [**11**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
AMNH: 28, CAS: 2, FMNH: 7, HZM: 1, INPBC: 15, KU: 1, MCZ: 1, MNHN: 4, RBINS: 62, RMCA: 84, RMNH: 1, UNIKIS: 1, ZMB: 3 [**210**].
Macronycteris gigas (Wagner, 1845)
AMNH: 1, BMNH: 1, FMNH: 2, MCZ: 1, RBINS: 1, RMCA: 5, USNM: 1 [**12**].
Macronycteris vittatus (Peters, 1852)
FMNH: 1, RBINS: 3, RMCA: 21, TM: 17, UNIKIS: 1, ZMB: 1 [**44**].
Megaloglossus woermanni Pagenstecher, 1885
AMNH: 3, BMNH: 2, FMNH: 20, MHNG: 1, MSB: 15, RMCA: 237, SMF: 32, UNIKIS: 169, USNM: 1, ZMA: 6 [**486**].
Micropteropus Matschie, 1899
UNIKIS: 23 [**23**].
Micropteropus intermedius Hayman, 1963
RMCA: 4, SMF: 1 [**5**].
Micropteropus pusillus (Peters, 1868)
AMNH: 15, BMNH: 15, FMNH: 1, HZM: 31, KU: 1, MHNG: 4, MNHN: 55, MSB: 37, RBINS: 11, RMCA: 452, SMF: 60, UNIKIS: 1, USNM: 1, ZMA: 4 [**688**].
Mimetillus moloneyi (Thomas, 1891)
AMNH: 4, BMNH: 1, HZM: 3, MHNG: 1, RBINS: 4, RMCA: 33, UNIKIS: 6, USNM: 1 [**53**].
Mimetillus thomasi Hinton, 1920
RMCA: 1 [**1**].
Miniopterus fraterculus Thomas and Schwann, 1906
AMNH: 17, BMNH: 7, INPBC: 7, MCZ: 3, RBINS: 10, RMCA: 5 [**49**].
Miniopterus inflatus Thomas, 1903
BMNH: 3, INPBC: 3, MHNG: 4, RBINS: 10, RMCA: 45, SMF: 6, TM: 38 [**109**].
Miniopterus inflatus inflatus Thomas, 1903
CAS: 6 [**6**].
Miniopterus inflatus rufus Sanborn, 1936
FMNH: 3, MHNG: 2 [**5**].
Miniopterus minor Peters, 1867
BMNH: 1, INPBC: 1, RBINS: 1, RMCA: 5, ZMA: 1 [**9**].
Miniopterus natalensis (A. Smith, 1833)
AMNH: 26, CAS: 5, HZM: 1, MCZ: 1, MHNG: 33, MNHN: 2, RBINS: 75, RMCA: 382, SMF: 26 [**551**].
MOLOSSIDAE Gervais, 1856
RMCA: 4 [**4**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 2, BMNH: 1, HZM: 54, INPBC: 111, MCZ: 15, MHNG: 8, MSB: 5, RBINS: 42, RMCA: 192, SMF: 21, UNIKIS: 74, USNM: 13, ZMA: 2 [**540**].
Mops (Mops) congicus J.A. Allen, 1917
AMNH: 15, FMNH: 1, MCZ: 1, MHNG: 2, RMCA: 2, TTU: 1, USNM: 7 [**29**].
Mops (Mops) demonstrator (Thomas, 1903)
AMNH: 2, INPBC: 2, RBINS: 23, RMCA: 10 [**37**].
Mops (Mops) midas (Sundevall, 1843)
INPBC: 9, MCZ: 3, RBINS: 22, RMCA: 24, USNM: 2 [**60**].
Mops (Mops) midas midas (Sundevall, 1843)
AMNH: 6 [**6**].
Mops (Mops) niangarae J.A. Allen, 1917
AMNH: 1 [**1**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
BMNH: 3, MHNG: 8, MSB: 2, RMCA: 12, SMF: 5 [**30**].
Mops (Mops) trevori J.A. Allen, 1917
AMNH: 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
AMNH: 23, FMNH: 2, INPBC: 2, MCZ: 2, MNHN: 1, RBINS: 1, RMCA: 1, USNM: 3 [**35**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
AMNH: 6, BMNH: 14, FMNH: 1, HZM: 2, INPBC: 3, MSB: 6, RMCA: 42, USNM: 6 [**80**].

Mops (Xiphonycteris) spurrelli (Dollman, 1911)
AMNH: 1, RMCA: 9, USNM: 3 [**13**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
AMNH: 8, BMNH: 10, DNSM: 1, HZM: 1, MHNG: 8, RBINS: 23, RMCA: 25, SMF: 1, USNM: 13 [**90**].
Myonycteris angolensis (Bocage, 1898)
BMNH: 7, FMNH: 1, INPBC: 4, MCZ: 13, MHNG: 9, MNHN: 6, RBINS: 5, RMCA: 84, TM: 6, USNM: 10 [**145**].
Myonycteris angolensis angolensis (Bocage, 1898)
MHNG: 1 [**1**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
AMNH: 4, BMNH: 1, RBINS: 5, SMF: 6, ZMA: 1 [**17**].
Myonycteris torquata (Dobson, 1878)
AMNH: 4, FMNH: 12, HZM: 5, INPBC: 1, MHNG: 1, MNHN: 5, RBINS: 1, RMCA: 204, SMF: 22, UNIKIS: 318, USNM: 2, ZMA: 5 [**580**].
Myonycteris torquata wroughtoni K. Andersen, 1908
BMNH: 2, RBINS: 2 [**4**].
Myopterus daubentonii Desmarest, 1820
AMNH: 7, BMNH: 1, MCZ: 1, RMCA: 2 [**11**].
Myopterus whitleyi (Scharff, 1900)
AMNH: 4, BMNH: 9, MSB: 1, RBINS: 3, RMCA: 12, TM: 1 [**30**].
Myotis Kaup, 1829
RMCA: 1 [**1**].
Myotis bocagii (Peters, 1870)
BMNH: 5, HZM: 1, INPBC: 1, MHNG: 3, MSB: 7, RBINS: 9, RMCA: 146, SMF: 4, UNIKIS: 18, USNM: 6, ZMB: 1 [**201**].
Myotis bocagii bocagii (Peters, 1870)
AMNH: 1, FMNH: 5, MCZ: 1, USNM: 3 [**10**].
Myotis bocagii cupreolus Thomas, 1904
AMNH: 30, MCZ: 7, RBINS: 1 [**38**].
Myotis tricolor (Temminck, 1832)
INPBC: 2, MHNG: 4, RMCA: 3, SMF: 2 [**11**].
Myotis welwitschii (Gray, 1866)
INPBC: 4, MHNG: 1, RBINS: 4, RMCA: 2 [**11**].
Nanonycteris veldkampii (Jentink, 1888)
MNHN: 3 [**3**].
Neoromicia Roberts, 1926
INPBC: 1, MCZ: 1, RBINS: 7, ZMA: 1 [**10**].
Neoromicia brunnea (Thomas, 1880)
AMNH: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
AMNH: 1, BMNH: 1, INPBC: 2, RBINS: 18, RMCA: 39 [**61**].
Neoromicia guineensis (Bocage, 1889)
AMNH: 2 [**2**].
Neoromicia nana (Peters, 1852)
AMNH: 87, BMNH: 29, CM: 12, FMNH: 21, HZM: 49, INPBC: 692, MCZ: 18, MHNG: 14, MNHN: 16, MSB: 1, NMP: 1, RBINS: 116, RMCA: 989, RMNH: 2, SMF: 22, UNIKIS: 1, USNM: 19, ZMA: 2, ZMB: 2, ZMH: 2, ZMUC: 3, ZMZ: 2 [**2100**].
Neoromicia rendalli (Thomas, 1889)
AMNH: 38, BMNH: 5, CM: 11, FMNH: 3, HZM: 1, INPBC: 3, MCZ: 2, RBINS: 2, RMCA: 63, SMF: 1 [**129**].
Neoromicia somalica (Thomas, 1901)
AMNH: 1, BMNH: 1, RMCA: 1, SMF: 1 [**4**].
Neoromicia tenuipinnis (Peters, 1872)
AMNH: 18, BMNH: 11, CM: 2, INPBC: 4, MCZ: 7, MHNG: 3, MSB: 1, RBINS: 15, RMCA: 123, SMF: 1, USNM: 5, ZMB: 3, ZMMU: 2 [**195**].
Nycteris G. Cuvier and E. Geoffroy, 1795
FMNH: 1, INPBC: 1, RBINS: 3, RMCA: 1 [**6**].
Nycteris arge Thomas, 1903
AMNH: 18, BMNH: 17, CAS: 2, FMNH: 3, HZM: 1, INPBC: 22, MCZ: 10, MHNG: 1, NMW: 1, RBINS: 13, RMCA: 69, SMF: 4, TM: 1, UNIKIS: 1, ZFMK: 3, ZMA: 1, ZMH: 1 [**168**].
Nycteris grandis Peters, 1865
BMNH: 5, FMNH: 3, INPBC: 4, MCZ: 2, NMW: 1, RBINS: 2, RMCA: 23, SMF: 5, TM: 2, USNM: 1, ZMA: 3 [**51**].
Nycteris hispida (Schreber, 1774)
AMNH: 29, BMNH: 10, CAS: 1, FMNH: 8, HZM: 3, INPBC: 21, MCZ: 4, MNHN: 4, MSB: 1, NMW: 3, RBINS: 83, RMCA: 157, RMNH: 2, SMF: 8, USNM: 3, ZMZ: 1 [**338**].
Nycteris intermedia Aellen, 1959
BMNH: 2, INPBC: 6, RBINS: 1, RMNH: 1, SMF: 1 [**11**].
Nycteris macrotis Dobson, 1876
AMNH: 2, BMNH: 1, HZM: 4, INPBC: 1, MNHN: 1, RBINS: 48, RMCA: 48, RMNH: 2, SMF: 3, TM: 4 [**114**].
Nycteris major (K. Andersen, 1912)
AMNH: 1, UNIKIS: 1 [**2**].
Nycteris nana (K. Andersen, 1912)
BMNH: 2, DNSM: 2, FMNH: 2, INPBC: 2, MHNG: 1, RBINS: 30, RMCA: 20, RMNH: 1, SMF: 1, UNIKIS: 1, ZMA: 1 [**63**].
Nycteris parisii (de Beaux, 1924)
RBINS: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 3, INPBC: 7, MHNG: 2, MNHN: 11, RBINS: 2, RMCA: 12, SMF: 3, USNM: 5 [**45**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 5, INPBC: 1, RBINS: 14, RMCA: 3, UNIKIS: 2 [**25**].

Otomops martiensseni (Matschie, 1897)
BMNH: 1, NMZL: 1, RBINS: 2 [**4**].
Pipistrellus Kaup, 1829
FMNH: 50, INPBC: 1, MCZ: 15, RMCA: 9 [**75**].
Pipistrellus nanulus Thomas, 1904
AMNH: 1, RMCA: 1 [**2**].
Pipistrellus rueppellii (Fischer, 1829)
AMNH: 1, INPBC: 1, RMCA: 12 [**14**].
Plerotes anchietae (Seabra, 1900)
MNHN: 1, RBINS: 2 [**3**].
Rhinolophus Lacépède, 1799
INPBC: 2, RBINS: 37, RMCA: 6, UNIKIS: 2 [**47**].
Rhinolophus alcyone Temminck, 1853
AMNH: 1, HZM: 1, RBINS: 2 [**4**].
Rhinolophus blasii Peters, 1867
MNHN: 1, RMCA: 1, SMF: 1 [**3**].
Rhinolophus clivosus Cretzschmar, 1828
INPBC: 18, MHNG: 21, RBINS: 1, RMCA: 25 [**65**].
Rhinolophus eloquens K. Andersen, 1905
AMNH: 5, BMNH: 4, FMNH: 2, MCZ: 3, RMCA: 4 [**18**].
Rhinolophus fumigatus Rüppell, 1842
AMNH: 9, INPBC: 1, MCZ: 1, RBINS: 14, RMCA: 25, TM: 223 [**273**].
Rhinolophus hildebrandtii Peters, 1878
HNHM: 2, MHNG: 17, MNHN: 4, NMZL: 1, RBINS: 50, RMCA: 142, SMF: 11 [**227**].
Rhinolophus kahuzi Fahr and Kerbis Peterhans, 2013
FMNH: 1 [**1**].
Rhinolophus lobatus Peters, 1852
AMNH: 4, BMNH: 1, MCZ: 3, MHNG: 1, MNHN: 1, RBINS: 18, RMCA: 106, SMF: 8, TM: 1 [**143**].
Rhinolophus rhodesiae Roberts, 1946
HNHM: 2, MHNG: 35, RBINS: 17 [**54**].
Rhinolophus ruwenzorii J. Eric Hill, 1942
AMNH: 1, BMNH: 3, MHNG: 5, RBINS: 3, RMCA: 10 [**22**].
Rhinolophus simulator K. Andersen, 1904
RMCA: 22, SMF: 30 [**52**].
Rhinolophus willardi Kerbis Peterhans and Fahr, 2013
FMNH: 4 [**4**].
Rousettinae Andersen, 1912
RMCA: 14 [**14**].
Rousettus Gray, 1821
BMNH: 1, INPBC: 3, RMCA: 1 [**5**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
AMNH: 6, BMNH: 8, FMNH: 2, INPBC: 27, MCZ: 14, MHNG: 8, MNHN: 9, RBINS: 26, RMCA: 174, RMNH: 10, SMF: 6, TM: 206, UNIKIS: 34, USNM: 11 [**541**].
Saccolaimus peli (Temminck, 1853)
AMNH: 25, BMNH: 6, FMNH: 4, MCZ: 3, RBINS: 1, RMCA: 21, TTU: 1, USNM: 4 [**65**].
Scotoecus albofuscus (Thomas, 1890)
RMCA: 1 [**1**].
Scotoecus hindei Thomas, 1901
AMNH: 1, RMCA: 1 [**2**].
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
FMNH: 8, MHNG: 3, MNHN: 1, RMCA: 25, RMNH: 1, SMF: 5, UNIKIS: 19, ZMA: 1 [**63**].
Scotophilus Leach, 1821
MNHN: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
AMNH: 2, BMNH: 2, FMNH: 2, INPBC: 11, MHNG: 1, MSB: 10, RBINS: 14, RMCA: 102, RMNH: 1, SMF: 4, USNM: 4, ZMA: 5 [**158**].
Scotophilus leucogaster (Cretzschmar, 1826)
AMNH: 3 [**3**].
Scotophilus nigrita (Schreber, 1774)
AMNH: 7, RBINS: 1, RMCA: 9 [**17**].
Scotophilus nux Thomas, 1904
AMNH: 2, BMNH: 1, HZM: 1, RBINS: 3, RMCA: 4, USNM: 6 [**17**].
Stenonycteris lanosus (Thomas, 1906)
AMNH: 6, FMNH: 12, INPBC: 2, RBINS: 5, RMCA: 15, SMF: 2, USNM: 4, ZMA: 4 [**50**].
Tadarida Rafinesque, 1814
BMNH: 2 [**2**].
Tadarida fulminans (Thomas, 1903)
INPBC: 1 [**1**].
Tadarida ventralis (Heuglin, 1861)
RMCA: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
AMNH: 48, BMNH: 5, FMNH: 10, INPBC: 2, MCZ: 6, MHNG: 2, MNHN: 1, RBINS: 37, RMCA: 146, UNIKIS: 1, WNMU: 1 [**259**].
Taphozous nudiventris Cretzschmar, 1830
RBINS: 1 [**1**].

Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
RBINS: 1, RMCA: 41, SMF: 3 [**45**].
Taphozous perforatus sudani Thomas, 1915
AMNH: 8, BMNH: 2, FMNH: 2, MCZ: 1, MHNG: 3, RBINS: 9 [**25**].
VESPERTILIONIDAE Gray, 1821
INPBC: 2, RMCA: 28, ZMA: 1 [**31**].
VESPERTILIONOIDEA Gray, 1821
RMCA: 12 [**12**].

Total Specimens for Congo (Democratic Republic of the): 16086

Côte d'Ivoire

Casinycteris ophiodon (Pohle, 1943)
SMF: 1, ZMA: 2 [**3**].
Chaerephon aloysiisabaudiae (Festa, 1907)
SMF: 3 [**3**].
Chaerephon leucogaster (A. Grandidier, 1869)
ROM: 11 [**11**].
Chaerephon nigeriae Thomas, 1913
SMF: 5 [**5**].
Chaerephon pumilus (Cretzschmar, 1826)
MNHN: 2, RMCA: 68, SMF: 6 [**76**].
Chaerephon russatus J.A. Allen, 1917
SMF: 2 [**2**].
CHIROPTERA Blumenbach, 1779
RMCA: 6 [**6**].
Coleura afra (Peters, 1852)
MNHN: 2 [**2**].
Doryrhina cyclops (Temminck, 1853)
AMNH: 3, FMNH: 3, MNHN: 4, RMCA: 18, ROM: 2, SMF: 5, ZMA: 1 [**36**].
Eidolon helvum (Kerr, 1792)
AMNH: 2, FMNH: 1, MNHN: 10, ORSTOM: 1, RMCA: 10, USNM: 1, ZMA: 70 [**95**].
Epomophorus gambianus (Ogilby, 1835)
CM: 1, HZM: 2, LACM: 1, MNHN: 4, RMCA: 24, SMF: 1, USNM: 10 [**43**].
Epomophorus gambianus gambianus (Ogilby, 1835)
FMNH: 30 [**30**].
Epomops Gray, 1866
MNHN: 2 [**2**].
Epomops buettikoferi (Matschie, 1899)
AMNH: 9, FMNH: 4, MNHN: 54, ORSTOM: 76, RMCA: 6, SMF: 5, USNM: 18, ZMA: 40, ZMB: 1 [**213**].
Epomops franqueti (Tomes, 1860)
AMNH: 2, FMNH: 1, MNHN: 22, ORSTOM: 37, RMCA: 7, USNM: 3, ZMA: 23 [**95**].
Glauconycteris beatrix Thomas, 1901
SMF: 3 [**3**].
Glauconycteris cf. beatrix Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
ROM: 5 [**5**].
Glauconycteris poensis (Gray, 1842)
BMNH: 1, ROM: 3, SMF: 1, USNM: 4 [**9**].
Glauconycteris superba Hayman, 1939
RMCA: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
SMF: 3 [**3**].
Hipposideros abae J.A. Allen, 1917
MNHN: 2, ROM: 1, SMF: 4 [**7**].
Hipposideros beatus (K. Andersen, 1906)
MNHN: 9, ROM: 2, SMF: 3 [**14**].
Hipposideros caffer (Sundevall, 1846)
RMCA: 1, ROM: 1, SMF: 6 [**8**].
Hipposideros fuliginosus (Temminck, 1853)
AMNH: 5, SMF: 9 [**14**].
Hipposideros jonesi Hayman, 1947
FMNH: 7 [**7**].
Hipposideros marisae Aellen, 1954
RMCA: 2 [**2**].
Hipposideros ruber (Noack, 1893)
AMNH: 1, FMNH: 3, MNHN: 9, RMCA: 16, ROM: 17, SMF: 23 [**69**].
Hipposideros tephrus (Cabrera, 1906)
FMNH: 3 [**3**].
Hypsignathus monstrosus H. Allen, 1862
AMNH: 2, MNHN: 5, ORSTOM: 12, USNM: 14, ZMA: 13 [**46**].
Hypsugo crassulus (Thomas, 1904)
RMCA: 1, ROM: 2, SMF: 8 [**11**].

Hypsugo eisentrauti (Hill, 1968)
USNM: 2 [**2**].
Kerivoula Gray, 1842
MNHN: 1 [**1**].
Kerivoula cuprosa Thomas, 1912
SMF: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
HNHM: 1, MHNG: 1, MNHN: 2, RMCA: 1 [**5**].
Kerivoula phalaena Thomas, 1912
MNHN: 1, RMCA: 7, SMF: 3 [**11**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
MNHN: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
HZM: 1, MHNG: 1, SMF: 5 [**7**].
Macronycteris vittatus (Peters, 1852)
MNHN: 1, RMCA: 7, SMF: 1 [**9**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
AMNH: 1, FMNH: 1, MNHN: 15, ORSTOM: 2, RMCA: 6, ROM: 2, SMF: 2, USNM: 1, ZMA: 6 [**36**].
Micropteropus Matschie, 1899
FMNH: 11 [**11**].
Micropteropus pusillus (Peters, 1868)
AMNH: 1, FMNH: 65, LACM: 1, MNHN: 14, ORSTOM: 30, RMCA: 14, ROM: 1, SMF: 12, USNM: 4, ZMA: 14 [**156**].
Mimetillus moloneyi (Thomas, 1891)
AMNH: 2, RMCA: 8, ROM: 1 [**11**].
Mops (Mops) condylurus (A. Smith, 1833)
BMNH: 1, FMNH: 1, MNHN: 7, RMCA: 3, ROM: 2, SMF: 4 [**18**].
Mops (Mops) demonstrator (Thomas, 1903)
SMF: 3 [**3**].
Mops (Mops) trevori J.A. Allen, 1917
SMF: 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
RMCA: 131, SMF: 4 [**135**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
SMF: 3 [**3**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
AMNH: 1, SMF: 6 [**7**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
AMNH: 12, RMCA: 4, SMF: 10 [**26**].
Myonycteris angolensis (Bocage, 1898)
MNHN: 4, RMCA: 1, SMF: 4 [**9**].
Myonycteris angolensis smithii (Thomas, 1908)
FMNH: 19, ORSTOM: 5, SMF: 1, USNM: 37, ZMA: 6 [**68**].
Myonycteris leptodon K. Andersen, 1908
FMNH: 7, MNHN: 38, ORSTOM: 52, RMCA: 10, SMF: 9, USNM: 2, ZMA: 26, ZMB: 1 [**145**].
Myopterus daubentonii Desmarest, 1820
MNHN: 3, SMF: 1 [**4**].
Myotis bocagii (Peters, 1870)
RMCA: 9, ROM: 1 [**10**].
Myotis bocagii cupreolus Thomas, 1904
USNM: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
FMNH: 5, MNHN: 13, ORSTOM: 20, RMCA: 11, ROM: 6, SMF: 8, USNM: 2, ZMA: 16 [**81**].
Neoromicia brunnea (Thomas, 1880)
RMCA: 10, ROM: 2, SMF: 4, USNM: 5 [**21**].
Neoromicia guineensis (Bocage, 1889)
MNHN: 1, SMF: 14, USNM: 4 [**19**].
Neoromicia nana (Peters, 1852)
AMNH: 3, BMNH: 1, HZM: 2, MHNG: 10, MNHN: 12, RMCA: 94, ROM: 3, SMF: 3, USNM: 2 [**130**].
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013
ROM: 1 [**1**].
Neoromicia somalica (Thomas, 1901)
FMNH: 1, LACM: 1, SMF: 19 [**21**].
Neoromicia tenuipinnis (Peters, 1872)
RMCA: 7, SMF: 1, USNM: 6 [**14**].
Nycteris arge Thomas, 1903
FMNH: 3, MHNG: 5, RMCA: 2, ROM: 1, SMF: 7, USNM: 9 [**27**].
Nycteris gambiensis (K. Andersen, 1912)
SMF: 3, USNM: 19 [**22**].
Nycteris grandis Peters, 1865
RMCA: 4, ROM: 2, SMF: 1, USNM: 2 [**9**].
Nycteris hispida (Schreber, 1774)
MNHN: 2, RMCA: 5, SMF: 3, USNM: 14 [**24**].
Nycteris intermedia Aellen, 1959
CM: 1, MHNG: 4, SMF: 1 [**6**].
Nycteris macrotis Dobson, 1876
MNHN: 2, RMCA: 2, ROM: 1, SMF: 2, USNM: 9 [**16**].

Nycteris major (K. Andersen, 1912)
USNM: 1 [**1**].
Nycteris nana (K. Andersen, 1912)
MHNG: 1, MNHN: 1, SMF: 1 [**3**].
Nycticeinops schlieffenii (Peters, 1859)
FMNH: 1 [**1**].
Otomops martiensseni (Matschie, 1897)
SMF: 3 [**3**].
Pipistrellus grandidieri (Dobson, 1876)
SMF: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
CM: 1, MNHN: 1 [**2**].
Pipistrellus inexspectatus Aellen, 1959
SMF: 4 [**4**].
Pipistrellus nanulus Thomas, 1904
RMCA: 1, ROM: 6, SMF: 6 [**13**].
Rhinolophus Lacépède, 1799
MNHN: 1 [**1**].
Rhinolophus alcyone Temminck, 1853
RMCA: 8, ROM: 6, SMF: 8 [**22**].
Rhinolophus denti Thomas, 1904
FMNH: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
FMNH: 7 [**7**].
Rhinolophus landeri Martin, 1838
FMNH: 2, ROM: 1, SMF: 6 [**9**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
FMNH: 16, LACM: 2, MNHN: 1, ORSTOM: 2, RMCA: 1, USNM: 2, ZMA: 85 [**109**].
Saccolaimus peli (Temminck, 1853)
MNHN: 7, RMCA: 2 [**9**].
Scotoecus albofuscus (Thomas, 1890)
MNHN: 54, RMCA: 1 [**55**].
Scotoecus hirundo (de Winton, 1899)
SMF: 4 [**4**].
Scotonycteris occidentalis Hayman, 1947
AMNH: 4, MNHN: 2, ORSTOM: 1, RMCA: 2, ROM: 2, USNM: 4, ZMA: 3 [**18**].
Scotonycteris zenkeri Matschie, 1894
SMF: 1, ZMA: 1 [**2**].
Scotophilus Leach, 1821
MNHN: 15 [**15**].
Scotophilus dinganii (A. Smith, 1833)
FMNH: 1, SMF: 1 [**2**].
Scotophilus leucogaster (Cretzschmar, 1826)
MNHN: 1, SMF: 1 [**2**].
Scotophilus nigrita (Schreber, 1774)
MNHN: 2, QM: 1, RMCA: 4 [**7**].
Scotophilus nucella Robbins, 1983
AMNH: 1 [**1**].
Scotophilus nux Thomas, 1904
AMNH: 2, RMCA: 39, SMF: 2 [**43**].
Scotophilus viridis (Peters, 1852)
FMNH: 6, MNHN: 1, ROM: 2, SMF: 5, USNM: 3 [**17**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
LACM: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
SMF: 3 [**3**].

Total Specimens for Côte d'Ivoire: 2252

Djibouti

Coleura afra (Peters, 1852)
MNHN: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
MNHN: 1 [**1**].
Neoromicia nana (Peters, 1852)
MNHN: 1, ZMB: 1 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
MCZ: 1 [**1**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
BMNH: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
FMNH: 1, MNHN: 5 [**6**].
Rhinopoma cystops Thomas, 1903
FMNH: 6, USNM: 2 [**8**].

Taphozous nudiventris Cretzschmar, 1830
MNHN: 1 [**1**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
MNHN: 1 [**1**].
Vespertilioninae Gray, 1821
MNHN: 5 [**5**].

Total Specimens for Djibouti: 27

Egypt

Asellia Gray, 1838
BMNH: 2 [**2**].
Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
AMNH: 1, BMNH: 114, FLMNH: 1, FMNH: 247, MCZ: 2, MNHN: 5, NMP: 1, RMNH: 5, SAMA: 30, SMF: 31, UMMZ: 20, USNM: 128, WAM: 1, YPM: 19, ZMA: 2, ZMB: 8 [**615**].
Barbastella leucomelas (Cretzschmar, 1826)
SMF: 1 [**1**].
Cardioderma cor (Peters, 1872)
ZMB: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
RMNH: 1 [**1**].
CHIROPTERA Blumenbach, 1779
OMNH: 2, YPM: 1, ZMB: 1 [**4**].
Coleura afra (Peters, 1852)
BMNH: 6 [**6**].
Eptesicus bottae (Peters, 1869)
BMNH: 2, ZMH: 1 [**3**].
Hypsugo ariel (Thomas, 1904)
NMP: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
ZMB: 1 [**1**].
Myotis Kaup, 1829
HNHM: 1, ZMB: 1 [**2**].
Neoromicia guineensis (Bocage, 1889)
ZMB: 1 [**1**].
Nycteris G. Cuvier and E. Geoffroy, 1795
BMNH: 4, OMNH: 20 [**24**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 23, FLMNH: 1, FMNH: 243, MNHN: 6, NMW: 1, RMNH: 1, SMF: 18, SMNS: 2, SMTD: 1, USNM: 116, ZMA: 2, ZMB: 4 [**418**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 1, SMF: 1, ZMB: 1 [**3**].
Otonycteris hemprichii Peters, 1859
BMNH: 2, CAS: 1, FMNH: 100, IVB: 2, NMP: 10, OMNH: 1, SAMA: 1, SMF: 2, USNM: 51, YPM: 1, ZMB: 4 [**175**].
Pipistrellus Kaup, 1829
FMNH: 3, ZFMK: 1 [**4**].
Pipistrellus kuhlii (Kuhl, 1817)
BMNH: 22, CM: 15, FMNH: 407, HNHM: 1, MHNG: 2, MNHN: 8, MVZ: 1, NMW: 1, OMNH: 8, SMF: 4, USNM: 184, YPM: 1, ZMA: 2, ZMB: 3 [**659**].
Pipistrellus pipistrellus (Schreber, 1774)
MNHN: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
BMNH: 2, CAS: 1, HZM: 2, LACM: 1, MNHN: 1, NMP: 2, RMNH: 1, UMMZ: 2, USNM: 2, ZFMK: 1, ZMA: 3 [**18**].
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)
FMNH: 21, USNM: 7 [**28**].
Pipistrellus rusticus (Tomes, 1861)
BMNH: 2 [**2**].
Plecotus christii Gray, 1838
BMNH: 9, CAS: 2, FMNH: 8, MCZ: 1, MSNG: 2, MZUF: 1, NMP: 12, TAU: 1, USNM: 9, ZMB: 1 [**46**].
Rhinolophus Lacépède, 1799
USNM: 1, ZMB: 2 [**3**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 12, FMNH: 257, MSNG: 2, MVZ: 1, NMP: 5, RMNH: 1, SMF: 1, USNM: 164, YPM: 1, ZFMK: 24, ZMB: 1 [**469**].
Rhinolophus darlingi K. Andersen, 1905
CAS: 5 [**5**].
Rhinolophus euryale Blasius, 1853
BMNH: 6, WAM: 1 [**7**].
Rhinolophus hipposideros (Bechstein, 1800)
FMNH: 1, RMNH: 2 [**3**].
Rhinolophus mehelyi Matschie, 1901
FLMNH: 1, FMNH: 234, MNHN: 1, USNM: 118 [**354**].
Rhinopoma cystops Thomas, 1903
AMNH: 3, BMNH: 24, CM: 29, FLMNH: 1, FMNH: 211, HZM: 1, MCZ: 4, MNHN: 4, MVZ: 29, OMNH: 21, RBINS: 1, RMCA: 2, RMNH: 6, SMF: 53, SMNS: 7, TTU: 1, USNM: 103, YPM: 5, ZFMK: 3, ZMB: 30, ZMH: 2 [**540**].

Rhinopoma microphyllum (Brünnich, 1782)
BMNH: 31, FMNH: 20, MCZ: 7, MHNG: 1, MNHN: 4, MVZ: 1, OMNH: 21, RBINS: 1, RMNH: 5, SAMA: 1, SMF: 8, SMNS: 1, TTU: 1, USNM: 27, YPM: 12, ZMB: 7, ZMUC: 1 [**149**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
BMNH: 13, FMNH: 87, MCZ: 3, MNHN: 6, MVZ: 1, NMP: 14, NMR: 1, NMV: 1, NMW: 1, OMNH: 3, RMNH: 4, SAMA: 2, SMF: 33, SMNS: 2, USNM: 49, YPM: 34, ZMA: 9, ZMB: 6, ZMH: 1 [**270**].
Stenonycteris lanosus (Thomas, 1906)
BMNH: 2 [**2**].
Tadarida Rafinesque, 1814
FMNH: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
BMNH: 6, MNHN: 2, NMP: 6, SMF: 2, UMMZ: 1, ZMB: 1 [**18**].
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
FMNH: 23, USNM: 9 [**32**].
Tadarida teniotis (Rafinesque, 1814)
BMNH: 17, FMNH: 56, MSNG: 1, NMP: 7, NMW: 1, RMNH: 1, SMF: 2, USNM: 29 [**114**].
Taphozous nudiventris Cretzschmar, 1830
AMNH: 1, BMNH: 4, CM: 1, FMNH: 63, IVB: 30, MUB: 2, MVZ: 8, NMP: 9, NMW: 2, RMCA: 4, RMNH: 4, SAMA: 1, SMF: 5, SMNS: 1, TTU: 2, USNM: 29, YPM: 1, ZFMK: 4, ZMB: 5 [**176**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
BMNH: 26, MNHN: 1, SMF: 10, WAM: 2, ZMB: 8 [**47**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
FMNH: 148, MVZ: 1, OMNH: 37, RMNH: 2, USNM: 95 [**283**].

Total Specimens for Egypt: 4489

Equatorial Guinea

Chaerephon pumilus (Cretzschmar, 1826)
ZMB: 1 [**1**].
Doryrhina cyclops (Temminck, 1853)
AMNH: 1, BMNH: 2, FMNH: 1 [**4**].
Eidolon helvum (Kerr, 1792)
BMNH: 17, MSB: 2, RMCA: 2, SMF: 2, USNM: 1 [**24**].
Eidolon helvum helvum (Kerr, 1792)
AMNH: 3 [**3**].
Epomophorus wahlbergi (Sundevall, 1846)
YPM: 1, ZMB: 1 [**2**].
Epomops franqueti (Tomes, 1860)
BMNH: 2, MNHN: 2, MSB: 2, ZMB: 2 [**8**].
Glauconycteris beatrix Thomas, 1901
BMNH: 1 [**1**].
Hipposideros beatus (K. Andersen, 1906)
BMNH: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
MSB: 2, ZMB: 2 [**4**].
Hipposideros ruber (Noack, 1893)
BMNH: 9, EBD: 3, RMCA: 2, SMF: 1, ZMB: 1 [**16**].
Hypsignathus monstrosus H. Allen, 1862
AMNH: 3, BMNH: 4, MSB: 1, NMW: 2, ZMB: 2 [**12**].
Macronycteris gigas (Wagner, 1845)
BMNH: 1 [**1**].
Megaloglossus woermanni Pagenstecher, 1885
MSB: 2 [**2**].
Micropteropus pusillus (Peters, 1868)
MSB: 2, SMF: 6, YPM: 1 [**9**].
Mimetillus moloneyi (Thomas, 1891)
BMNH: 4 [**4**].
Miniopterus inflatus inflatus Thomas, 1903
MSB: 2 [**2**].
Mops (Mops) condylurus (A. Smith, 1833)
MNHN: 2 [**2**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
AMNH: 1, RMCA: 1, SMF: 1, USNM: 2 [**5**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
MSB: 5 [**5**].
Myonycteris angolensis (Bocage, 1898)
AMNH: 1, BMNH: 2, MNCN: 1 [**4**].
Myonycteris angolensis angolensis (Bocage, 1898)
MNCN: 1 [**1**].
Myonycteris torquata (Dobson, 1878)
MSB: 2, ZMB: 2 [**4**].
Myotis bocagii (Peters, 1870)
EBD: 6, MSB: 1 [**7**].

Neoromicia brunnea (Thomas, 1880)
BMNH: 1 [**1**].
Neoromicia nana (Peters, 1852)
MNHN: 1, MSB: 1 [**2**].
Nycteris arge Thomas, 1903
BMNH: 2 [**2**].
Nycteris grandis Peters, 1865
BMNH: 1 [**1**].
Nycteris hispida (Schreber, 1774)
BMNH: 4, MSB: 2, RMCA: 1 [**7**].
Nycteris nana (K. Andersen, 1912)
BMNH: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
AMNH: 2, MSB: 2, ZFMK: 3 [**7**].
Rhinolophus Lacépède, 1799
MSB: 1 [**1**].
Rhinolophus alcyone Temminck, 1853
AMNH: 2, MSB: 2, RMCA: 2, SMF: 5 [**11**].
Rhinolophus landeri Martin, 1838
AMNH: 1, BMNH: 1, MSB: 2, RMCA: 1 [**5**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
MSB: 2 [**2**].
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
RMCA: 1, ZMB: 1 [**2**].
Scotonycteris zenkeri Matschie, 1894
BMNH: 1, SMF: 1, ZFMK: 10 [**12**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
AMNH: 1, ZMB: 1 [**2**].

Total Specimens for Equatorial Guinea: 178

Eritrea

Asellia patrizii de Beaux, 1931
MSNG: 2 [**2**].
Cardioderma cor (Peters, 1872)
BMNH: 4 [**4**].
Chaerephon bivittatus (Heuglin, 1861)
SMNS: 3 [**3**].
Chaerephon pumilus (Cretzschmar, 1826)
BMNH: 1, MCZ: 1, SMF: 5, USNM: 6, ZMB: 3 [**16**].
Epomophorus labiatus (Temminck, 1837)
MSNG: 2, MZUF: 1, ZMB: 3 [**6**].
Hipposideros megalotis (Heuglin, 1861)
SMNS: 1 [**1**].
Hipposideros tephrus (Cabrera, 1906)
ZMB: 1 [**1**].
Miniopterus africanus Sanborn, 1936
MVZ: 17 [**17**].
Neoromicia capensis (A. Smith, 1829)
MZUF: 1 [**1**].
Neoromicia somalica (Thomas, 1901)
MZUF: 9 [**9**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
FMNH: 8, MSNG: 1, MZUF: 11, SMNS: 2, ZMB: 1 [**23**].
Pipistrellus hesperidus (Temminck, 1840)
MCZ: 1 [**1**].
Rhinolophus blasii Peters, 1867
MVZ: 5 [**5**].
Rhinolophus clivosus Cretzschmar, 1828
FMNH: 1, MSNG: 2, MVZ: 7, MZUF: 1, SMNS: 2 [**13**].
Rhinolophus fumigatus Rüppell, 1842
MVZ: 2 [**2**].
Rhinolophus hipposideros (Bechstein, 1800)
SMNS: 1 [**1**].
Rhinopoma macinnesi Hayman, 1937
HNHM: 5 [**5**].
Scotophilus dinganii (A. Smith, 1833)
RMNH: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
SMNS: 2 [**2**].
Tadarida ventralis (Heuglin, 1861)
SMNS: 1 [**1**].

Total Specimens for Eritrea: 114

Ethiopia

Asellia patrizii de Beaux, 1931
BMNH: 18, SMF: 5 [**23**].
Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
BMNH: 6, BRTC: 1 [**7**].
Cardioderma cor (Peters, 1872)
BMNH: 13, HNHM: 6, HZM: 1, MNHN: 15, SMF: 28, USNM: 20, ZMB: 1 [**84**].
Chaerephon ansorgei (Thomas, 1913)
BMNH: 2 [**2**].
Chaerephon bivittatus (Heuglin, 1861)
ZMB: 1 [**1**].
Chaerephon chapini J.A. Allen, 1917
SMF: 1 [**1**].
Chaerephon leucogaster (A. Grandidier, 1869)
ROM: 22 [**22**].
Chaerephon nigeriae Thomas, 1913
BMNH: 1, ROM: 6, USNM: 1, ZMMU: 2 [**10**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 3, BMNH: 65, BRTC: 3, FMNH: 6, HNHM: 19, MVZ: 2, NMP: 10, RMNH: 1, ROM: 8, SMF: 92, USNM: 7, ZMB: 1, ZMMU: 7 [**224**].
Coleura Peters, 1867
RMNH: 1 [**1**].
Coleura afra (Peters, 1852)
BMNH: 1, SMF: 3, ZMMU: 3 [**7**].
Eidolon helvum (Kerr, 1792)
BMNH: 1, MNHN: 1, RMCA: 1, SMNS: 1, USNM: 7, ZFMK: 2 [**13**].
Eidolon helvum helvum (Kerr, 1792)
SMF: 2 [**2**].
Epomophorus Bennett, 1836
USNM: 5 [**5**].
Epomophorus gambianus (Ogilby, 1835)
BMNH: 20, BRTC: 8, MNHN: 5, SMF: 19, SMNS: 2, USNM: 39, ZMB: 2 [**95**].
Epomophorus gambianus gambianus (Ogilby, 1835)
MNHN: 3, SMNS: 4 [**7**].
Epomophorus labiatus (Temminck, 1837)
BMNH: 19, MNHN: 9, MSNG: 2, MVZ: 2, NMW: 1, RMNH: 2, SMF: 18, SMNS: 4, USNM: 53, ZMA: 1, ZMB: 1 [**112**].
Epomophorus minimus Claessen & De Vree, 1991
BMNH: 5, CM: 7, EBD: 1, MNHN: 1, NMW: 1, OSU: 4, ROM: 35, SMF: 32, SMNS: 12, USNM: 46 [**144**].
Epomophorus minor Dobson, 1880
BMNH: 29, CM: 8, ROM: 15, SMF: 1, SMNS: 1, ZMA: 1 [**55**].
Epomophorus wahlbergi (Sundevall, 1846)
BMNH: 1, NMW: 1 [**2**].
Glauconycteris variegata (Tomes, 1861)
BMNH: 1 [**1**].
Hipposideros abae J.A. Allen, 1917
ZMMU: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
BRTC: 2, SMF: 20 [**22**].
Hipposideros cf. centralis Andersen, 1906
ZMMU: 9 [**9**].
Hipposideros fuliginosus (Temminck, 1853)
SMF: 3 [**3**].
Hipposideros megalotis (Heuglin, 1861)
BMNH: 4 [**4**].
Hipposideros ruber (Noack, 1893)
BMNH: 10, FMNH: 1, SMF: 13 [**24**].
Hipposideros tephrus (Cabrera, 1906)
BMNH: 14, ZMB: 3, ZMMU: 3 [**20**].
Hypsignathus monstrosus H. Allen, 1862
BRTC: 2, MNHN: 1 [**3**].
Hypsugo anchietae (Seabra, 1900)
NHMZ: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
NMW: 1 [**1**].
Laephotis wintoni Thomas, 1901
BMNH: 6, EBD: 1, ROM: 1, USNM: 1, ZMMU: 2 [**11**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
AMNH: 2, BMNH: 5, MNHN: 5, SMF: 3, USNM: 16, ZMB: 8, ZMMU: 2 [**41**].
Macronycteris vittatus (Peters, 1852)
BMNH: 3, USNM: 1, ZMB: 2 [**6**].
Micropteropus pusillus (Peters, 1868)
BMNH: 129, BRTC: 7, MNHN: 5, SMF: 9, SMNS: 5, USNM: 23, ZFMK: 10 [**188**].

Miniopterus Bonaparte, 1837
BMNH: 1 [**1**].
Miniopterus africanus Sanborn, 1936
BMNH: 54, FMNH: 6, NMP: 2 [**62**].
Miniopterus inflatus Thomas, 1903
BRTC: 18, EBD: 4, SMF: 3 [**25**].
Miniopterus natalensis (A. Smith, 1833)
BMNH: 5, FMNH: 1, NMP: 2, ROM: 1, SMF: 20, TM: 1 [**30**].
MOLOSSIDAE Gervais, 1856
BMNH: 2 [**2**].
Mops (Mops) condylurus (A. Smith, 1833)
BMNH: 15, SMF: 2, USNM: 3, ZMB: 1 [**21**].
Mops (Mops) midas (Sundevall, 1843)
ZMMU: 1 [**1**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
BMNH: 1 [**1**].
Mormopterus acetabulosus (Hermann, 1804)
BMNH: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
BRTC: 14, MNHN: 1, USNM: 3 [**18**].
Myonycteris angolensis petraea (Bergmans, 1997)
BMNH: 3, MNHN: 13, SMF: 2, ZMA: 1 [**19**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
FMNH: 3 [**3**].
Myotis Kaup, 1829
BRTC: 1, MCZ: 1 [**2**].
Myotis bocagii (Peters, 1870)
BRTC: 4, HNHM: 2, ROM: 2, SMF: 1 [**9**].
Myotis morrisi Hill, 1971
BMNH: 1 [**1**].
Myotis scotti Thomas, 1927
BMNH: 8, SMF: 4, ZMMU: 1 [**13**].
Myotis tricolor (Temminck, 1832)
BMNH: 2, MNHN: 1 [**3**].
Myotis welwitschii (Gray, 1866)
BRTC: 3, MHNG: 1 [**4**].
Neoromicia aff. guineensis Bocage, 1889
ZMMU: 16 [**16**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 8, BRTC: 31, CM: 1, MCZ: 1, MNHN: 3, SMF: 2, ZFMK: 2, ZMB: 1 [**49**].
Neoromicia flavescens (Seabra, 1900)
MNHN: 2 [**2**].
Neoromicia guineensis (Bocage, 1889)
BMNH: 15, BRTC: 3, CM: 1, MHNG: 1, SMF: 5, ZFMK: 6, ZMMU: 6 [**37**].
Neoromicia nana (Peters, 1852)
BMNH: 17, CM: 1, HNHM: 2, HZM: 2, MNHN: 5, ROM: 5, SMF: 10, USNM: 16 [**58**].
Neoromicia somalica (Thomas, 1901)
AMNH: 2, BMNH: 26, CM: 2, NMP: 3, SMF: 3, ZMB: 1, ZMMU: 2 [**39**].
Neoromicia tenuipinnis (Peters, 1872)
HZM: 1, USNM: 1 [**2**].
Neoromicia zuluensis (Roberts, 1924)
SMF: 2, ZFMK: 3 [**5**].
Nycteris G. Cuvier and E. Geoffroy, 1795
BMNH: 3, MNHN: 1, USNM: 1 [**5**].
Nycteris aurita (K. Andersen, 1912)
SMF: 1 [**1**].
Nycteris cf. parisii De Beaux, 1924
ZMMU: 1 [**1**].
Nycteris hispida (Schreber, 1774)
BMNH: 5, CM: 1, MNHN: 1, ROM: 1, SMF: 3, USNM: 8, ZFMK: 7, ZMMU: 9 [**35**].
Nycteris macrotis Dobson, 1876
BMNH: 3, CM: 1, NMP: 3, SMF: 2, ZFMK: 1, ZMB: 1 [**11**].
Nycteris parisii (de Beaux, 1924)
BMNH: 2, USNM: 1 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 17, CM: 1, FMNH: 2, MNHN: 1, MSNM: 3, MZUF: 4, NMP: 2, OSU: 3, RMNH: 1, ROM: 1, SMF: 9, ZMB: 4 [**48**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 3, MNHN: 2, ROM: 10, USNM: 3, ZMB: 1, ZMMU: 17 [**36**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
BMNH: 10, HZM: 20, NMP: 6, ROM: 2, SMF: 2 [**40**].
Otomops martiensseni (Matschie, 1897)
SMF: 1 [**1**].
Pipistrellus Kaup, 1829
EBD: 7, MCZ: 1, USNM: 5 [**13**].
Pipistrellus aero Heller, 1912
ZMMU: 1 [**1**].

Pipistrellus hesperidus (Temminck, 1840)
AMNH: 3, BMNH: 7, CM: 1, MNHN: 1, NMP: 9, ROM: 5, SMF: 18, ZFMK: 1, ZMB: 1, ZMMU: 1 [**47**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
BMNH: 11, FMNH: 2 [**13**].
Pipistrellus nanulus Thomas, 1904
BRTC: 3, ZMMU: 2 [**5**].
Pipistrellus rueppellii (Fischer, 1829)
BMNH: 1, ROM: 62, SMF: 1 [**64**].
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)
BMNH: 3 [**3**].
Pipistrellus rusticus (Tomes, 1861)
BMNH: 32, FMNH: 1, MZUF: 1, SMF: 2, ZFMK: 3, ZMMU: 6 [**45**].
Platymops setiger macmillani Thomas, 1906
BMNH: 2, USNM: 1 [**3**].
Plecotus balensis Kruskop & Lavrenchenko, 2000
EBD: 5, ZMMU: 1 [**6**].
Plecotus christii Gray, 1838
SMF: 1 [**1**].
Pteropus Erxleben, 1777
MCZ: 1 [**1**].
Rhinolophus Lacépède, 1799
EBD: 5, USNM: 1 [**6**].
Rhinolophus blasii Peters, 1867
AMNH: 2, BMNH: 12, MNHN: 9, ZMB: 2 [**25**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 47, BRTC: 8, FMNH: 11, MNHN: 6, MSNG: 3, MZUF: 2, NMP: 6, TM: 1, USNM: 4 [**88**].
Rhinolophus eloquens K. Andersen, 1905
MNHN: 4, ROM: 2, SMF: 1 [**7**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 24, BRTC: 1, HNHM: 5, MNHN: 8, SMF: 3, SMNS: 3 [**44**].
Rhinolophus hildebrandtii Peters, 1878
BMNH: 2, MNHN: 2, ZMB: 2 [**6**].
Rhinolophus hipposideros (Bechstein, 1800)
BMNH: 2 [**2**].
Rhinolophus landeri Martin, 1838
BMNH: 22, FMNH: 24, MNHN: 2, NMP: 1, SMF: 1, ZMMU: 2 [**52**].
Rhinolophus simulator K. Andersen, 1904
BMNH: 13, ROM: 3, SMF: 2 [**18**].
Rhinopoma cystops Thomas, 1903
BMNH: 8, HNHM: 1, SMF: 22 [**31**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
AMNH: 3, BMNH: 24, MNHN: 5, ROM: 34, SMF: 13, SMNS: 3, USNM: 5, ZMB: 1 [**88**].
Scotoecus hindei Thomas, 1901
BMNH: 3, HZM: 2 [**5**].
Scotoecus hirundo (de Winton, 1899)
BMNH: 29, SMF: 4, USNM: 4 [**37**].
Scotophilus Leach, 1821
EBD: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 28, BRTC: 6, CM: 1, RMCA: 2, ROM: 7, SMF: 1, USNM: 17, ZFMK: 2, ZMB: 3 [**67**].
Scotophilus ejetai Brooks and Bickham, 2014
BRTC: 3 [**3**].
Scotophilus leucogaster (Cretzschmar, 1826)
BMNH: 21, FMNH: 3, NMP: 1, USNM: 5, ZMMU: 6 [**36**].
Scotophilus viridis (Peters, 1852)
BMNH: 2, SMF: 4, ZFMK: 16, ZMMU: 5 [**27**].
Stenonycteris lanosus (Thomas, 1906)
BMNH: 1, BRTC: 4, FMNH: 1, SMF: 2 [**8**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
EBD: 3, ROM: 5 [**8**].
Taphozous E. Geoffroy St.-Hilaire, 1818
USNM: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 1, USNM: 2 [**3**].
Taphozous nudiventris Cretzschmar, 1830
SMF: 1 [**1**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
BMNH: 18, HNHM: 17, SMF: 1 [**36**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
USNM: 1 [**1**].
Triaenops Dobson, 1871
ZMB: 1 [**1**].
Triaenops afer Peters, 1877
BMNH: 18, EBD: 1, FMNH: 7, HZM: 1, MZUF: 2, NMP: 12, ROM: 2, SMF: 1, ZMMU: 23 [**67**].

Total Specimens for Ethiopia: 2628

France

Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
MNHN: 1 [**1**].
Pipistrellus pipistrellus (Schreber, 1774)
BMNH: 1 [**1**].
Rhinolophus euryale Blasius, 1853
MNHN: 1, ZMB: 1 [**2**].

Total Specimens for France: 4

Gabon

Chaerephon pumilus (Cretzschmar, 1826)
MNHN: 4 [**4**].
Chaerephon pusillus (Miller, 1902)
FMNH: 2 [**2**].
CHIROPTERA Blumenbach, 1779
ZMB: 1 [**1**].
Doryrhina cyclops (Temminck, 1853)
AMNH: 1, BMNH: 1, FMNH: 3, MNHN: 5, USNM: 2, ZMA: 2 [**14**].
Eidolon helvum (Kerr, 1792)
BMNH: 2, EBD: 1, ZMB: 1 [**4**].
Eidolon helvum helvum (Kerr, 1792)
AMNH: 6 [**6**].
Epomophorus Bennett, 1836
EBD: 4 [**4**].
Epomophorus gambianus (Ogilby, 1835)
MNHN: 1, USNM: 2 [**3**].
Epomophorus wahlbergi (Sundevall, 1846)
BMNH: 1, FMNH: 6, MNHN: 3, USNM: 139, ZMA: 2 [**151**].
Epomops Gray, 1866
MNHN: 1 [**1**].
Epomops franqueti (Tomes, 1860)
AMNH: 1, BMNH: 5, CUMV: 12, EBD: 2, FMNH: 2, MNHN: 14, USNM: 13, ZMA: 44, ZMB: 2 [**95**].
Eptesicus Rafinesque, 1820
MNHN: 1 [**1**].
Glauconycteris Dobson, 1875
FMNH: 1 [**1**].
Glauconycteris beatrix Thomas, 1901
FMNH: 1, USNM: 1 [**2**].
Glauconycteris curryae Eger and Schlitter, 2001
USNM: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
MNHN: 1 [**1**].
Hipposideros Gray, 1831
ZMA: 16 [**16**].
Hipposideros beatus (K. Andersen, 1906)
MNHN: 1, ZMA: 1 [**2**].
Hipposideros caffer (Sundevall, 1846)
BMNH: 1, MNHN: 81, ROM: 2, USNM: 3, ZMA: 66 [**153**].
Hipposideros fuliginosus (Temminck, 1853)
MNHN: 1 [**1**].
Hipposideros ruber (Noack, 1893)
AMNH: 1, BMNH: 7, MNHN: 6, SMF: 1, ZMA: 5 [**20**].
Hypsignathus monstrosus H. Allen, 1862
BMNH: 1, CUMV: 24, MNHN: 1, USNM: 2, ZMA: 9, ZMB: 2 [**39**].
Hypsugo crassulus (Thomas, 1904)
FMNH: 2 [**2**].
Hypsugo musciculus (Thomas, 1913)
AMNH: 1, MNHN: 1 [**2**].
Kerivoula lanosa (A. Smith, 1847)
MNHN: 2 [**2**].
Kerivoula phalaena Thomas, 1912
USNM: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
MNHN: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
DNSM: 1, MNHN: 7, USNM: 1, ZMA: 23 [**32**].
Megaloglossus woermanni Pagenstecher, 1885
AMNH: 2, CUMV: 2, FMNH: 3, MNHN: 21, USNM: 8, ZMA: 41, ZMB: 1 [**78**].
Micropteropus pusillus (Peters, 1868)
AMNH: 1, BMNH: 2, EBD: 7, MNHN: 6, USNM: 2, ZMB: 1 [**19**].

Mimetillus moloneyi (Thomas, 1891)
AMNH: 1, MNHN: 1 [**2**].
Miniopterus Bonaparte, 1837
ZMA: 2 [**2**].
Miniopterus inflatus Thomas, 1903
MNHN: 15, ZMA: 23 [**38**].
Mops (Mops) condylurus (A. Smith, 1833)
ZMB: 1 [**1**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
MNHN: 1, RMCA: 1 [**2**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
MNHN: 1 [**1**].
Myonycteris torquata (Dobson, 1878)
FMNH: 1, MNHN: 18, USNM: 25, ZMA: 12 [**56**].
Myopterus whitleyi (Scharff, 1900)
MNHN: 1 [**1**].
Myotis Kaup, 1829
ZMA: 1 [**1**].
Myotis bocagii (Peters, 1870)
MNHN: 5, ZMA: 12, ZMB: 1 [**18**].
Nanonycteris veldkampii (Jentink, 1888)
USNM: 4 [**4**].
Neoromicia Roberts, 1926
FMNH: 1 [**1**].
Neoromicia brunnea (Thomas, 1880)
CM: 1, USNM: 3 [**4**].
Neoromicia nana (Peters, 1852)
BMNH: 2, MCZ: 3, MNHN: 18, ZMA: 7, ZMB: 1 [**31**].
Neoromicia tenuipinnis (Peters, 1872)
FMNH: 4, MHNG: 1, MNHN: 2, RMCA: 2, SMNS: 1, USNM: 3 [**13**].
Nycteris G. Cuvier and E. Geoffroy, 1795
CM: 1, FMNH: 1, ZMA: 1 [**3**].
Nycteris arge Thomas, 1903
FMNH: 1, USNM: 1 [**2**].
Nycteris grandis Peters, 1865
BMNH: 2, CUMV: 2, MNHN: 6, USNM: 2, ZMA: 6 [**18**].
Nycteris hispida (Schreber, 1774)
MNHN: 4, USNM: 3, ZMA: 1, ZMB: 1, ZMH: 1 [**10**].
Nycteris intermedia Aellen, 1959
MHNG: 2 [**2**].
Nycteris nana (K. Andersen, 1912)
FMNH: 1, ZMA: 1 [**2**].
Pipistrellus Kaup, 1829
FMNH: 2 [**2**].
Pipistrellus nanulus Thomas, 1904
AMNH: 1, MNHN: 3 [**4**].
PTEROPODIDAE Gray, 1821
MNHN: 1 [**1**].
Rhinolophus alcyone Temminck, 1853
FMNH: 2, MNHN: 7 [**9**].
Rhinolophus clivosus Cretzschmar, 1828
MNHN: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
MNHN: 3 [**3**].
Rhinolophus landeri Martin, 1838
FMNH: 6, MNHN: 2, ZMA: 5 [**13**].
Rhinolophus silvestris Aellen, 1959
MHNG: 1 [**1**].
Rousettus Gray, 1821
MNHN: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
EBD: 1, MNHN: 25, ZMA: 19 [**45**].
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
CUMV: 1, FMNH: 6, MNHN: 9, USNM: 2, ZMA: 9 [**27**].
Scotonycteris zenkeri Matschie, 1894
EBD: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
FMNH: 3, MNHN: 1, ZMA: 1 [**5**].

Total Specimens for Gabon: 984

Ghana

Casinycteris ophiodon (Pohle, 1943)
BMNH: 1 [**1**].

Chaerephon Dobson, 1874
RMNH: 1 [**1**].
Chaerephon aloysiisabaudiae (Festa, 1907)
USNM: 8 [**8**].
Chaerephon chapini J.A. Allen, 1917
ROM: 2 [**2**].
Chaerephon leucogaster (A. Grandidier, 1869)
ROM: 42 [**42**].
Chaerephon major (Trouessart, 1897)
BMNH: 7, ROM: 17, USNM: 24 [**48**].
Chaerephon nigeriae nigeriae Thomas, 1913
USNM: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 10, BMNH: 4, FMNH: 1, RMNH: 1, USNM: 122 [**138**].
Chaerephon russatus J.A. Allen, 1917
ROM: 1 [**1**].
Coleura afra (Peters, 1852)
AMNH: 2, BMNH: 7 [**9**].
Doryrhina cyclops (Temminck, 1853)
AMNH: 4, BMNH: 6, FMNH: 6, ROM: 16, SMF: 1, USNM: 44 [**77**].
Eidolon helvum (Kerr, 1792)
BMNH: 9, FMNH: 4, MCZ: 1, RMNH: 1, ROM: 2, SMF: 1, USNM: 38 [**56**].
Eidolon helvum helvum (Kerr, 1792)
AMNH: 1, ROM: 17 [**18**].
Epomophorus gambianus (Ogilby, 1835)
AMNH: 3, BMNH: 6, CAS: 1, CM: 14, FMNH: 3, MCZ: 3, MVZ: 8, NMW: 20, ROM: 32, USNM: 466, ZMA: 10, ZMB: 12 [**578**].
Epomophorus gambianus gambianus (Ogilby, 1835)
AMNH: 13, ROM: 33 [**46**].
Epomophorus labiatus (Temminck, 1837)
FMNH: 2 [**2**].
Epomophorus wahlbergi (Sundevall, 1846)
ZMB: 1 [**1**].
Epomops Gray, 1866
CUMV: 1 [**1**].
Epomops buettikoferi (Matschie, 1899)
AMNH: 1, BMNH: 13, FMNH: 1, NMBA: 1, SMF: 1, USNM: 73, ZFMK: 1 [**91**].
Epomops franqueti (Tomes, 1860)
AMNH: 1, BMNH: 3, MVZ: 19, RMNH: 1, ROM: 53, SMF: 2, USNM: 251, ZMA: 1, ZMB: 10 [**341**].
Glauconycteris beatrix Thomas, 1901
USNM: 1 [**1**].
Glauconycteris poensis (Gray, 1842)
BMNH: 3, FMNH: 1, ROM: 1, USNM: 30, ZFMK: 1 [**36**].
Glauconycteris superba Hayman, 1939
BMNH: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
BMNH: 2, USNM: 2 [**4**].
Hipposideros abae J.A. Allen, 1917
AMNH: 1, BMNH: 6, FMNH: 1, HNHM: 5, USNM: 1 [**14**].
Hipposideros beatus (K. Andersen, 1906)
BMNH: 3, FMNH: 2, HNHM: 2, MCZ: 1, ROM: 8, USNM: 6, ZFMK: 1 [**23**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 1, BMNH: 6, CM: 7, HNHM: 19, RMNH: 4, ROM: 304, USNM: 2, ZMB: 5 [**348**].
Hipposideros fuliginosus (Temminck, 1853)
BMNH: 2, FMNH: 12, USNM: 51, ZFMK: 3, ZMB: 4 [**72**].
Hipposideros jonesi Hayman, 1947
AMNH: 5, BMNH: 25, ROM: 14, USNM: 7 [**51**].
Hipposideros ruber (Noack, 1893)
AMNH: 18, BMNH: 22, FMNH: 3, HNHM: 14, ROM: 1, SMF: 5, USNM: 31, ZFMK: 4 [**98**].
Hipposideros tephrus (Cabrera, 1906)
AMNH: 5, BMNH: 2, USNM: 115 [**122**].
Hypsignathus monstrosus H. Allen, 1862
BMNH: 5, FMNH: 3, HNHM: 1, MCZ: 1, NMW: 2, RMCA: 2, ROM: 5, USNM: 24, WAM: 1 [**44**].
Hypsugo musciculus (Thomas, 1913)
BMNH: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 3, FMNH: 1 [**4**].
Kerivoula phalaena Thomas, 1912
BMNH: 2 [**2**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
BMNH: 2, RMNH: 1, ROM: 1, USNM: 11, ZMB: 3 [**18**].
Macronycteris gigas (Wagner, 1845)
BMNH: 14, FMNH: 1, MSU: 1, SMF: 1, USNM: 16, ZFMK: 2 [**35**].
Macronycteris vittatus (Peters, 1852)
ROM: 4 [**4**].

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
BMNH: 20, MSU: 1, MVZ: 1, ROM: 10, SMF: 4, USNM: 52, ZFMK: 1, ZMB: 1 [**90**].
Micropteropus pusillus (Peters, 1868)
AMNH: 3, BMNH: 14, CM: 1, MVZ: 36, ROM: 70, SMF: 7, USNM: 279, WAM: 1, ZFMK: 2, ZMB: 2 [**415**].
Mimetillus moloneyi (Thomas, 1891)
ROM: 1, USNM: 9 [**10**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 1, BMNH: 3, ROM: 38, USNM: 473 [**515**].
Mops (Mops) demonstrator (Thomas, 1903)
BMNH: 1, USNM: 1 [**2**].
Mops (Mops) trevori J.A. Allen, 1917
BMNH: 1 [**1**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
BMNH: 6, RMNH: 1, ROM: 1, USNM: 97 [**105**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
BMNH: 1, USNM: 20 [**21**].
Mops (Xiphonycteris) petersoni (El Rayah, 1981)
ROM: 7 [**7**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
BMNH: 3, ROM: 9, USNM: 49 [**61**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
BMNH: 2, MVZ: 1, ROM: 72, USNM: 264 [**339**].
Myonycteris angolensis (Bocage, 1898)
ROM: 5, USNM: 35 [**40**].
Myonycteris angolensis smithii (Thomas, 1908)
BMNH: 13, RMCA: 1, ROM: 1, SMF: 6 [**21**].
Myonycteris leptodon K. Andersen, 1908
BMNH: 37, RMCA: 2, ROM: 18, USNM: 63, ZFMK: 1 [**121**].
Myopterus whitleyi (Scharff, 1900)
BMNH: 2 [**2**].
Myotis bocagii (Peters, 1870)
ROM: 1, SMF: 2 [**3**].
Myotis bocagii cupreolus Thomas, 1904
ROM: 1, USNM: 2 [**3**].
Nanonycteris veldkampii (Jentink, 1888)
AMNH: 5, BMNH: 34, RMCA: 4, ROM: 6, SMF: 2, SMNS: 1, USNM: 45, WAM: 1, ZMB: 2 [**100**].
Neoromicia Roberts, 1926
MCZ: 1 [**1**].
Neoromicia brunnea (Thomas, 1880)
USNM: 2 [**2**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 45, ROM: 1 [**46**].
Neoromicia guineensis (Bocage, 1889)
CM: 1, USNM: 1 [**2**].
Neoromicia helios (Heller, 1912)
ROM: 1 [**1**].
Neoromicia nana (Peters, 1852)
AMNH: 4, BMNH: 11, CM: 3, FMNH: 4, ROM: 32, USNM: 14, ZFMK: 1 [**69**].
Neoromicia rendalli (Thomas, 1889)
CM: 3, ROM: 2, USNM: 2, ZMB: 1 [**8**].
Neoromicia somalica (Thomas, 1901)
USNM: 9 [**9**].
Neoromicia tenuipinnis (Peters, 1872)
CM: 2, FMNH: 4, ROM: 3, USNM: 14 [**23**].
Nycteris arge Thomas, 1903
AMNH: 3, BMNH: 6, FMNH: 2, ROM: 2, SMF: 1, USNM: 8, ZFMK: 1 [**23**].
Nycteris gambiensis (K. Andersen, 1912)
AMNH: 2, BMNH: 3, ROM: 4, USNM: 135 [**144**].
Nycteris grandis Peters, 1865
BMNH: 5, FMNH: 6, RMNH: 1, ROM: 4, USNM: 12 [**28**].
Nycteris hispida (Schreber, 1774)
AMNH: 2, BMNH: 28, HNHM: 1, MVZ: 3, ROM: 12, USNM: 99, ZMB: 2 [**147**].
Nycteris intermedia Aellen, 1959
BMNH: 3, USNM: 1 [**4**].
Nycteris macrotis Dobson, 1876
AMNH: 2, BMNH: 21, FMNH: 2, HNHM: 1, MVZ: 1, RMNH: 3, ROM: 26, USNM: 251 [**307**].
Nycteris nana (K. Andersen, 1912)
BMNH: 2, USNM: 1 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
ROM: 1, USNM: 21 [**22**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 2 [**2**].
Otomops martiensseni (Matschie, 1897)
USNM: 1 [**1**].
Pipistrellus Kaup, 1829
BMNH: 1 [**1**].

Pipistrellus hesperidus (Temminck, 1840)
CM: 1 [**1**].
Pipistrellus inexspectatus Aellen, 1959
USNM: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
CM: 5, USNM: 3, ZFMK: 1 [**9**].
Pipistrellus rusticus (Tomes, 1861)
BMNH: 1, ROM: 2 [**3**].
PTEROPODIDAE Gray, 1821
CUMV: 1 [**1**].
Rhinolophus alcyone Temminck, 1853
BMNH: 11, RMNH: 1, ROM: 3, SMF: 6, USNM: 1 [**22**].
Rhinolophus denti Thomas, 1904
USNM: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
USNM: 1 [**1**].
Rhinolophus landeri Martin, 1838
AMNH: 2, BMNH: 3, RMNH: 1, ROM: 1, SMF: 1, USNM: 13 [**21**].
Rhinopoma microphyllum (Brünnich, 1782)
ZMB: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
AMNH: 1, BMNH: 4, ROM: 2, USNM: 8, WAM: 2 [**17**].
Saccolaimus peli (Temminck, 1853)
BMNH: 3, MCZ: 1, USNM: 4 [**8**].
Scotoecus albofuscus (Thomas, 1890)
ROM: 2 [**2**].
Scotoecus hirundo (de Winton, 1899)
BMNH: 3, USNM: 13 [**16**].
Scotonycteris occidentalis Hayman, 1947
BMNH: 3, ROM: 3, USNM: 24 [**30**].
Scotophilus Leach, 1821
KU: 2 [**2**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 2, CM: 3, RMNH: 2, ROM: 8, SMF: 1, USNM: 25, ZMB: 3 [**44**].
Scotophilus leucogaster (Cretzschmar, 1826)
AMNH: 1, BMNH: 1, CM: 1, ROM: 2, USNM: 24 [**29**].
Scotophilus nigrita (Schreber, 1774)
BMNH: 1, FMNH: 2, USNM: 2 [**5**].
Scotophilus nucella Robbins, 1983
NMP: 1, ROM: 1, USNM: 4, ZFMK: 1 [**7**].
Scotophilus nux Thomas, 1904
USNM: 4, ZFMK: 2 [**6**].
Scotophilus viridis (Peters, 1852)
AMNH: 3, BMNH: 11, ROM: 2, USNM: 60 [**76**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
USNM: 2 [**2**].
Taphozous nudiventris Cretzschmar, 1830
BMNH: 1, ROM: 1 [**2**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
AMNH: 3, BMNH: 1 [**4**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
ROM: 13, USNM: 6 [**19**].

Total Specimens for Ghana: 5369

Greece

Miniopterus natalensis (A. Smith, 1833)
TM: 1 [**1**].

Total Specimens for Greece: 1

Guinea

Chaerephon pumilus (Cretzschmar, 1826)
MNHN: 1 [**1**].
Chaerephon russatus J.A. Allen, 1917
ZFMK: 2 [**2**].
Doryrhina cyclops (Temminck, 1853)
MNHN: 1 [**1**].
Eidolon helvum (Kerr, 1792)
HNHM: 3, MNHN: 4 [**7**].
Eidolon helvum helvum (Kerr, 1792)
MNHN: 1 [**1**].

Epomophorus gambianus (Ogilby, 1835)
MNHN: 24, ZMA: 1 [**25**].
Epomophorus gambianus gambianus (Ogilby, 1835)
MNHN: 1 [**1**].
Epomops buettikoferi (Matschie, 1899)
MNHN: 60, ZFMK: 2, ZMA: 13 [**75**].
Glauconycteris Dobson, 1875
MNHN: 4 [**4**].
Hipposideros Gray, 1831
MNHN: 1 [**1**].
Hipposideros beatus (K. Andersen, 1906)
MNHN: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
HNHM: 7, MNHN: 14, ZMB: 4 [**25**].
Hipposideros fuliginosus (Temminck, 1853)
MNHN: 7, ZFMK: 1 [**8**].
Hipposideros jonesi Hayman, 1947
HNHM: 1, SMF: 3, ZFMK: 3 [**7**].
Hipposideros lamottei Brosset, 1985
MHNG: 4, MNHN: 5 [**9**].
Hipposideros marisae Aellen, 1954
MNHN: 1 [**1**].
Hipposideros ruber (Noack, 1893)
HNHM: 1, MNHN: 35, ZFMK: 9 [**45**].
Hypsignathus monstrosus H. Allen, 1862
MNHN: 2 [**2**].
Hypsugo Kolenati, 1856
ZFMK: 4 [**4**].
Hypsugo crassulus (Thomas, 1904)
ZFMK: 2 [**2**].
Hypsugo eisentrauti (Hill, 1968)
MNHN: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
MNHN: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
ZMB: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
MNHN: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
FMNH: 1, MNHN: 44, ZFMK: 4, ZMA: 105 [**154**].
Mimetillus moloneyi (Thomas, 1891)
MNHN: 5, ZFMK: 1 [**6**].
Miniopterus inflatus Thomas, 1903
MHNG: 1, MNHN: 6 [**7**].
Miniopterus natalensis (A. Smith, 1833)
ZFMK: 5 [**5**].
MOLOSSIDAE Gervais, 1856
MNHN: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
ZFMK: 4 [**4**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
MNHN: 1 [**1**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
ZFMK: 2 [**2**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
HNHM: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
HNHM: 2, MNHN: 6 [**8**].
Myonycteris angolensis smithii (Thomas, 1908)
ZFMK: 1, ZMA: 2 [**3**].
Myonycteris leptodon K. Andersen, 1908
MNHN: 30, RBINS: 1, ZFMK: 2 [**33**].
Myotis bocagii (Peters, 1870)
MNHN: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
MNHN: 16, ZMA: 5 [**21**].
Neoromicia guineensis (Bocage, 1889)
HNHM: 1, MNHN: 3 [**4**].
Neoromicia isabella Decher, Hutterer and Monadjem, 2016
ZFMK: 2 [**2**].
Neoromicia nana (Peters, 1852)
HNHM: 2, MNHN: 7, ZMB: 1 [**10**].
Neoromicia rendalli (Thomas, 1889)
ZMA: 1 [**1**].
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013
ZFMK: 2 [**2**].

Neoromicia somalica (Thomas, 1901)
ZFMK: 1 [**1**].
Neoromicia tenuipinnis (Peters, 1872)
MNHN: 1, ZMB: 1 [**2**].
Nycteris arge Thomas, 1903
MNHN: 1 [**1**].
Nycteris gambiensis (K. Andersen, 1912)
SMF: 3, SMNS: 7, ZFMK: 3 [**13**].
Nycteris grandis Peters, 1865
MNHN: 2 [**2**].
Nycteris hispida (Schreber, 1774)
MNHN: 8, NMW: 1 [**9**].
Nycteris intermedia Aellen, 1959
MNHN: 2 [**2**].
Nycteris macrotis Dobson, 1876
HNHM: 2, MNHN: 2, ZFMK: 1 [**5**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
MNHN: 1, SMNS: 4, ZFMK: 2 [**7**].
Pipistrellus grandidieri (Dobson, 1876)
ZFMK: 3 [**3**].
Pipistrellus nanulus Thomas, 1904
HNHM: 1, ZFMK: 3 [**4**].
Rhinolophus denti Thomas, 1904
SMNS: 3, ZFMK: 2 [**5**].
Rhinolophus fumigatus Rüppell, 1842
FMNH: 1, MNHN: 1 [**2**].
Rhinolophus guineensis Eisentraut, 1960
MNHN: 3, SMNS: 8, ZFMK: 6 [**17**].
Rhinolophus hillorum Koopman, 1989
MNHN: 1 [**1**].
Rhinolophus landeri Martin, 1838
ZFMK: 3 [**3**].
Rhinolophus maclaudi Pousargues, 1898
IFAN: 1, MNHN: 1, SMNS: 3, ZFMK: 3, ZMA: 1 [**9**].
Rhinolophus simulator K. Andersen, 1904
MNHN: 7 [**7**].
Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002
ZFMK: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
EBD: 2, MNHN: 45, ZFMK: 1, ZMA: 10 [**58**].
Scotonycteris occidentalis Hayman, 1947
EBD: 1, MNHN: 1 [**2**].
Scotophilus Leach, 1821
MNHN: 1 [**1**].
Scotophilus nigrita (Schreber, 1774)
HNHM: 4 [**4**].
Scotophilus nux Thomas, 1904
ZFMK: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
MNHN: 1 [**1**].

Total Specimens for Guinea: 654

Guinea-Bissau

Coleura afra (Peters, 1852)
MNHN: 1, NMBA: 2, RMCA: 1, ZMA: 1 [**5**].
Eidolon helvum (Kerr, 1792)
ZMA: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
MHNC: 7, MLZA: 1, USNM: 1 [**9**].
Epomops franqueti (Tomes, 1860)
MNHN: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
MNHN: 2, NMBA: 2 [**4**].
Macronycteris vittatus (Peters, 1852)
RMCA: 2, ZMB: 1 [**3**].
Micropteropus pusillus (Peters, 1868)
ZMB: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 1, MNHN: 2, NMBA: 3, RMCA: 3, USNM: 2 [**11**].
Neoromicia nana (Peters, 1852)
CZL: 3 [**3**].
Neoromicia somalica (Thomas, 1901)
CZL: 2 [**2**].

Nycteris gambiensis (K. Andersen, 1912)
MHNG: 3, MNHN: 1, RMCA: 2 [**6**].
Nycteris hispida (Schreber, 1774)
MNHN: 1 [**1**].
Nycteris macrotis Dobson, 1876
MHNG: 1, NMBA: 1, RMCA: 1 [**3**].
Scotophilus leucogaster (Cretzschmar, 1826)
BMNH: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 1 [**1**].

Total Specimens for Guinea-Bissau: 52

Israel

Rhinopoma cystops Thomas, 1903
TTU: 1 [**1**].

Total Specimens for Israel: 1

Italy

Hypsugo savii (Bonaparte, 1837)
BMNH: 1 [**1**].
Rhinolophus blasii Peters, 1867
ZMB: 1 [**1**].

Total Specimens for Italy: 2

Kenya

Cardioderma cor (Peters, 1872)
AMNH: 18, AMS: 1, BMNH: 32, CAS: 5, CDC: 17, CUMV: 37, FMNH: 26, MCZ: 29, MMU: 2, MSU: 6, QM: 2, RMCA: 25, ROM: 160, SMF: 6, TTU: 1, USNM: 38, WAM: 3, WNMU: 1, YPM: 2, ZMA: 11, ZMB: 2 [**424**].
Chaerephon Dobson, 1874
BMNH: 2, ZMA: 2 [**4**].
Chaerephon ansorgei (Thomas, 1913)
ROM: 42 [**42**].
Chaerephon bemmeleni (Jentink, 1879)
BMNH: 3, HZM: 1, ROM: 43 [**47**].
Chaerephon bivittatus (Heuglin, 1861)
AMNH: 5, BMNH: 42, FMNH: 19, KU: 1, ROM: 137, SMF: 3, USNM: 66, WAM: 3, WNMU: 1 [**277**].
Chaerephon chapini J.A. Allen, 1917
ROM: 3 [**3**].
Chaerephon nigeriae Thomas, 1913
RMCA: 5 [**5**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 35, BMNH: 92, BRTC: 4, CAS: 33, CUMV: 53, FMNH: 81, KU: 1, MCZ: 16, MMU: 2, MNHN: 2, MSU: 1, QM: 2, RMCA: 3, RMNH: 335, ROM: 804, SMF: 36, UCLA: 1, USNM: 358, WAM: 3, WNMU: 3, YPM: 1, ZMA: 8, ZMB: 4 [**1878**].
Chaerephon russatus J.A. Allen, 1917
MCZ: 1 [**1**].
CHIROPTERA Blumenbach, 1779
AMNH: 1, BMNH: 1, RMNH: 1, ROM: 21, YPM: 1 [**25**].
Cloeotis percivali Thomas, 1901
BMNH: 2, ROM: 1 [**3**].
Coleura Peters, 1867
ZMA: 1 [**1**].
Coleura afra (Peters, 1852)
AMNH: 11, BMNH: 18, CUMV: 2, FMNH: 33, MCZ: 8, MMU: 7, NMK: 15, QM: 2, ROM: 195, SMF: 71, TTU: 10, USNM: 35, WNMU: 1, ZMA: 12 [**420**].
Doryrhina cyclops (Temminck, 1853)
ROM: 2, ZMA: 1 [**3**].
Eidolon helvum (Kerr, 1792)
BMNH: 5, CM: 1, FMNH: 1, NMK: 1, ROM: 1, WAM: 2, WNMU: 1 [**12**].
Eidolon helvum helvum (Kerr, 1792)
ROM: 1 [**1**].
Epomophorus Bennett, 1836
RMNH: 45, YPM: 4 [**49**].
Epomophorus labiatus (Temminck, 1837)
AMNH: 1, BMNH: 16, CUMV: 16, FMNH: 20, LACM: 1, MCZ: 11, MMU: 6, MSU: 1, MVZ: 1, QM: 1, RMNH: 1, ROM: 99, SMF: 1, USNM: 75, WNMU: 4, ZMB: 2 [**256**].
Epomophorus minimus Claessen & De Vree, 1991
AMNH: 1, BMNH: 11, CM: 10, FMNH: 6, ROM: 15, USNM: 5, WNMU: 3 [**51**].
Epomophorus minor Dobson, 1880
BMNH: 27, CAS: 2, CM: 2, KU: 1, LACM: 44, RMCA: 3, ROM: 73, USNM: 5, ZMA: 2 [**159**].

Epomophorus wahlbergi (Sundevall, 1846)
AMNH: 44, BMNH: 13, CAS: 3, CM: 28, CUMV: 13, FMNH: 28, HZM: 8, KU: 1, LACM: 84, MCZ: 21, MMU: 6, MVZ: 38, MWSU: 1, NRM: 2, QM: 2, RMCA: 11, RMNH: 49, ROM: 101, SMF: 21, SMNS: 1, USNM: 53, WAM: 4, WNMU: 3, ZMA: 60, ZMB: 10 [**605**].
Epomops franqueti (Tomes, 1860)
ROM: 1 [**1**].
Eptesicus Rafinesque, 1820
ROM: 3 [**3**].
Eptesicus hottentotus (A. Smith, 1833)
CM: 1, ROM: 4, USNM: 1 [**6**].
Glauconycteris Dobson, 1875
MSU: 1, SMF: 2 [**3**].
Glauconycteris argentata (Dobson, 1875)
BMNH: 13, CAS: 1, FMNH: 7, MCZ: 12, RMNH: 4, ROM: 67, USNM: 3, WNMU: 3 [**110**].
Glauconycteris beatrix Thomas, 1901
ROM: 2 [**2**].
Glauconycteris humeralis J.A. Allen, 1917
MMU: 1, ROM: 8 [**9**].
Glauconycteris kenyacola Peterson, 1982
ROM: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
AMNH: 1, CM: 1, ROM: 7 [**9**].
HIPPOSIDERIDAE Lydekker, 1891
RMNH: 1 [**1**].
Hipposideros Gray, 1831
AMNH: 1, RMNH: 1, ZMA: 1 [**3**].
Hipposideros beatus (K. Andersen, 1906)
MMU: 3, ROM: 2 [**5**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 7, BMNH: 58, CAS: 3, CUMV: 2, FMNH: 39, MCZ: 8, MMU: 38, MNHN: 7, MSU: 2, RMNH: 22, ROM: 175, SMF: 22, TTU: 1, USNM: 66, WAM: 4, YPM: 1, ZMB: 5 [**460**].
Hipposideros megalotis (Heuglin, 1861)
AMNH: 1, BMNH: 2, CAS: 1, FMNH: 2, MNHN: 1, ROM: 7, SMF: 2, USNM: 2, WAM: 1 [**19**].
Hipposideros ruber (Noack, 1893)
AMNH: 2, BMNH: 33, FMNH: 44, MCZ: 4, MMU: 12, MNHN: 1, ROM: 3, SMF: 3, USNM: 90, WAM: 1, ZMA: 2 [**195**].
Hypsignathus monstrosus H. Allen, 1862
NMK: 2 [**2**].
Hypsugo Kolenati, 1856
RMNH: 2 [**2**].
Hypsugo ariel (Thomas, 1904)
FMNH: 2 [**2**].
Hypsugo crassulus (Thomas, 1904)
CM: 1, FMNH: 1, ROM: 7 [**9**].
Hypsugo eisentrauti (Hill, 1968)
AMNH: 1, CM: 8, ROM: 1 [**10**].
Kerivoula argentata Tomes, 1861
AMNH: 2, LACM: 1, ROM: 1 [**4**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 3, LACM: 2, ROM: 1 [**6**].
Kerivoula smithii Thomas, 1880
ROM: 1 [**1**].
Laephotis wintoni Thomas, 1901
BMNH: 1, HZM: 2, MMU: 1, ROM: 2 [**6**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
AMNH: 22, BMNH: 22, CAS: 1, FMNH: 6, MCZ: 20, MMU: 11, MSU: 6, MVZ: 1, QM: 1, RMCA: 2, RMNH: 1, ROM: 26, SMF: 2, TM: 1, USNM: 48, WAM: 2, YPM: 6, ZMA: 3, ZMB: 8 [**189**].
Macronycteris gigas (Wagner, 1845)
ZMA: 2 [**2**].
Macronycteris vittatus (Peters, 1852)
AMNH: 10, BMNH: 30, CUMV: 1, FMNH: 12, MCZ: 1, RMCA: 4, ROM: 40, SMF: 19, USNM: 23, WAM: 1, WNMU: 1, ZMA: 6, ZMB: 1 [**149**].
Micropteropus pusillus (Peters, 1868)
FMNH: 3, MMU: 1, ROM: 5, USNM: 1 [**10**].
Mimetillus moloneyi (Thomas, 1891)
AMNH: 1, BMNH: 1, CUMV: 1, FMNH: 2, HZM: 2, LACM: 6, RMNH: 1, ROM: 12 [**26**].
Miniopterus Bonaparte, 1837
BMNH: 10, MCZ: 6, MMU: 1, MSU: 1, WAM: 3, YPM: 1, ZMA: 2 [**24**].
Miniopterus africanus Sanborn, 1936
AMNH: 4, BMNH: 36, FMNH: 12, MCZ: 1, MMU: 20, ROM: 28, TTU: 1, USNM: 73 [**175**].
Miniopterus fraterculus Thomas and Schwann, 1906
CM: 1, MCZ: 1, MMU: 6, ROM: 5 [**13**].
Miniopterus inflatus Thomas, 1903
BMNH: 27, CM: 1, FMNH: 2, RMCA: 1, SAMA: 1, SMF: 4, ZMA: 2 [**38**].
Miniopterus inflatus inflatus Thomas, 1903
CAS: 4, CUMV: 2, ROM: 133, USNM: 10 [**149**].

Miniopterus inflatus rufus Sanborn, 1936
FMNH: 37, MCZ: 49, MMU: 31, ROM: 141 [**258**].
Miniopterus minor Peters, 1867
AMNH: 3, FMNH: 1, RMCA: 4, ROM: 70, SAMA: 1, SMF: 11, USNM: 1 [**91**].
Miniopterus natalensis (A. Smith, 1833)
AMNH: 7, BMNH: 31, CAS: 2, FMNH: 56, HNHM: 3, MCZ: 3, MMU: 42, MSB: 1, ROM: 433, SAMA: 1, SMF: 14, USNM: 129, WNMU: 2, ZMA: 4 [**728**].
MOLOSSIDAE Gervais, 1856
YPM: 3 [**3**].
Mops Lesson, 1842
KU: 1 [**1**].
Mops (Mops) Lesson, 1842
ZMA: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 9, BMNH: 14, CAS: 5, FMNH: 22, MCZ: 22, RMCA: 1, RMNH: 2, ROM: 175, SMF: 360, USNM: 154, WAM: 1, WNMU: 1, YPM: 1, ZMA: 4 [**771**].
Mops (Mops) demonstrator (Thomas, 1903)
ROM: 3 [**3**].
Mops (Mops) midas (Sundevall, 1843)
FMNH: 2 [**2**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
BMNH: 3, FMNH: 2, MVZ: 2, ROM: 37, SMF: 2 [**46**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
ROM: 7 [**7**].
Myonycteris angolensis (Bocage, 1898)
BMNH: 3, CM: 2, FMNH: 12, MCZ: 1, MMU: 2, ROM: 75, USNM: 16, WAM: 2, YPM: 3 [**116**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
HZM: 14, LACM: 13, SMF: 1, USNM: 2 [**30**].
Myonycteris relicta Bergmans, 1980
MCZ: 1, RMNH: 1, ROM: 2 [**4**].
Myotis Kaup, 1829
YPM: 1 [**1**].
Myotis bocagii (Peters, 1870)
BMNH: 1, BRTC: 4, CUMV: 4, MMU: 1, NMK: 6, RMCA: 2, ROM: 29, SMF: 2 [**49**].
Myotis bocagii bocagii (Peters, 1870)
BMNH: 1, MCZ: 7, ROM: 4, USNM: 2 [**14**].
Myotis tricolor (Temminck, 1832)
BMNH: 14, CAS: 4, FMNH: 62, LACM: 2, MMU: 3, ROM: 179, SMF: 4, USNM: 23 [**291**].
Myotis welwitschii (Gray, 1866)
HZM: 1, NMK: 1, NMW: 1, ROM: 3 [**6**].
Neoromicia Roberts, 1926
MMU: 3 [**3**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 5, CAS: 1, CUMV: 1, FMNH: 3, MMU: 16, MSU: 1, ROM: 5, SMF: 1, USNM: 12, WAM: 1 [**46**].
Neoromicia guineensis (Bocage, 1889)
BMNH: 2 [**2**].
Neoromicia helios (Heller, 1912)
BMNH: 3, CM: 19, HZM: 4, MCZ: 1, MVZ: 1, NAU: 10, ROM: 45, USNM: 1 [**84**].
Neoromicia nana (Peters, 1852)
BMNH: 44, CAS: 1, CM: 14, CUMV: 25, HZM: 8, MCZ: 18, MMU: 2, NRM: 14, RMCA: 14, RMNH: 10, ROM: 178, USNM: 45, WAM: 12, YPM: 1, ZMA: 16, ZMB: 3 [**405**].
Neoromicia rendalli (Thomas, 1889)
AMNH: 1, BMNH: 2, CM: 2, CUMV: 1, MCZ: 6, RMNH: 10, ROM: 36, SMF: 12, USNM: 15, ZMA: 6 [**91**].
Neoromicia somalica (Thomas, 1901)
AMNH: 1, BMNH: 11, CM: 7, FMNH: 11, HZM: 1, LACM: 3, MCZ: 2, RMNH: 1, ROM: 20, USNM: 14, WAM: 12, ZMA: 1 [**84**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
ROM: 1 [**1**].
Neoromicia tenuipinnis (Peters, 1872)
BMNH: 11, CUMV: 5, MMU: 8, NMK: 1, ROM: 27, USNM: 8, WNMU: 1 [**61**].
Neoromicia zuluensis (Roberts, 1924)
CM: 1, ROM: 51, SMF: 1 [**53**].
Nycteris G. Cuvier and E. Geoffroy, 1795
BMNH: 5, FMNH: 1, MSU: 1, RMNH: 32, ROM: 1, YPM: 18 [**58**].
Nycteris arge Thomas, 1903
BMNH: 5, USNM: 1 [**6**].
Nycteris aurita (K. Andersen, 1912)
AMNH: 15, BMNH: 6, FMNH: 1, MCZ: 1, MMU: 1, ROM: 7, USNM: 6, ZMUC: 1 [**38**].
Nycteris grandis Peters, 1865
ROM: 1, SMF: 1 [**2**].
Nycteris hispida (Schreber, 1774)
BMNH: 15, BRTC: 1, CAS: 1, CUMV: 3, FMNH: 11, KU: 1, MCZ: 5, MNHN: 3, RMNH: 1, ROM: 15, SMF: 3, USNM: 5, WAM: 2, ZMA: 1, ZMB: 1 [**68**].
Nycteris macrotis Dobson, 1876
AMNH: 26, BMNH: 19, CM: 2, FMNH: 14, MCZ: 2, MVZ: 1, RMNH: 1, ROM: 17, SMF: 1, USNM: 12, WAM: 1, ZMA: 2 [**98**].

Nycteris nana (K. Andersen, 1912)
AMNH: 1, BMNH: 3, MCZ: 1, SMF: 4, USNM: 2 [**11**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 12, BMNH: 38, CAS: 2, CM: 4, CUMV: 2, FMNH: 58, HNHM: 1, MCZ: 19, MMU: 5, NMW: 1, QM: 1, RMCA: 3, RMNH: 5, ROM: 144, SMF: 5, SMNS: 1, TTU: 1, USNM: 24, WAM: 2, ZMA: 2, ZMB: 1 [**331**].
Nycticeinops schlieffenii (Peters, 1859)
AMNH: 1, BMNH: 27, CAS: 1, CM: 1, FMNH: 5, MCZ: 1, ROM: 33, USNM: 23, WAM: 1 [**93**].
Otomops Thomas, 1913
RMCA: 1, ROM: 7, USNM: 1 [**9**].
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015
AMNH: 2, BMNH: 60, FMNH: 10, HZM: 1, MCZ: 1, MNHN: 2, MVZ: 1, NMK: 6, OMNH: 1, RMCA: 6, ROM: 150, SMNS: 2, TTU: 1, USNM: 50, WNMU: 1 [**294**].
Otomops martiensseni (Matschie, 1897)
DNSM: 1, SMF: 264, WAM: 3, ZMA: 38 [**306**].
Pipistrellus Kaup, 1829
BMNH: 6, ROM: 1, USNM: 5, WNMU: 3 [**15**].
Pipistrellus aero Heller, 1912
USNM: 6 [**6**].
Pipistrellus grandidieri (Dobson, 1876)
CM: 1, SMF: 1 [**2**].
Pipistrellus hesperidus (Temminck, 1840)
AMNH: 2, BMNH: 8, CM: 11, HZM: 2, ROM: 52, SMF: 2, USNM: 3, YPM: 2, ZMA: 2 [**84**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
BMNH: 5, FMNH: 22, KU: 1, ROM: 4, USNM: 17 [**49**].
Pipistrellus inexspectatus Aellen, 1959
MCZ: 11, USNM: 1 [**12**].
Pipistrellus nanulus Thomas, 1904
BMNH: 1, BRTC: 4, ROM: 6, USNM: 2 [**13**].
Pipistrellus rueppellii (Fischer, 1829)
LACM: 9, MMU: 2, ROM: 17 [**28**].
Pipistrellus rusticus (Tomes, 1861)
BMNH: 1, ROM: 5 [**6**].
Platymops setiger (Peters, 1878)
AMNH: 1, BMNH: 4, MNHN: 2, MVZ: 1, ROM: 5, SMF: 3, USNM: 1, WAM: 1, WNMU: 1, ZMB: 1 [**20**].
Platymops setiger macmillani Thomas, 1906
BMNH: 1, MCZ: 1, ROM: 34 [**36**].
Platymops setiger setiger (Peters, 1878)
AMNH: 1, BMNH: 1, FMNH: 8, ROM: 25, USNM: 7 [**42**].
PTEROPODIDAE Gray, 1821
BMNH: 3, MSU: 1 [**4**].
Rhinolophus Lacépède, 1799
BMNH: 2, CAS: 2, KU: 1, MCZ: 2, MNHN: 1, MSU: 1, USNM: 1, WAM: 1, YPM: 1, ZMB: 1 [**13**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 39, CAS: 6, FMNH: 28, HNHM: 2, MCZ: 2, MMU: 8, MNHN: 5, ROM: 102, SMF: 3, USNM: 67, WAM: 2, ZMA: 2 [**266**].
Rhinolophus darlingi K. Andersen, 1905
BMNH: 1 [**1**].
Rhinolophus deckenii Peters, 1868
CAS: 1, CUMV: 1, FMNH: 2, RMNH: 1, ROM: 1, USNM: 1, WAM: 1, ZMA: 9 [**17**].
Rhinolophus eloquens K. Andersen, 1905
BMNH: 25, CAS: 1, FMNH: 22, HNHM: 1, KU: 1, MCZ: 23, MMU: 39, RMCA: 1, ROM: 233, SMF: 12, USNM: 54, YPM: 1, ZMA: 5 [**418**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 3, CAS: 12, CUMV: 3, FMNH: 8, MCZ: 1, MNHN: 5, RMNH: 5, ROM: 9, SMF: 6, WAM: 2, WNMU: 1 [**55**].
Rhinolophus hildebrandtii Peters, 1878
AMNH: 2, BMNH: 6, FMNH: 1, MCZ: 1, MNHN: 1, ROM: 2, TTU: 1, USNM: 48, WAM: 2, ZMB: 4 [**68**].
Rhinolophus hillorum Koopman, 1989
AMNH: 1 [**1**].
Rhinolophus lobatus Peters, 1852
AMNH: 3, BMNH: 25, CAS: 9, CUMV: 1, FMNH: 17, MMU: 36, MNHN: 4, RMCA: 1, ROM: 102, SMF: 5, USNM: 46, WAM: 1, WNMU: 1, ZMA: 2, ZMB: 2 [**255**].
Rhinolophus simulator K. Andersen, 1904
FMNH: 12, LACM: 1, MCZ: 1, ROM: 1, USNM: 4 [**19**].
Rhinopoma cystops Thomas, 1903
BMNH: 8, RMCA: 1, ROM: 1, WAM: 3, WNMU: 1 [**14**].
Rhinopoma macinnesi Hayman, 1937
AMNH: 5, BMNH: 19, FMNH: 11, HZM: 2, ROM: 57, SMF: 2, USNM: 6 [**102**].
Rousettinae Andersen, 1912
RMCA: 1 [**1**].
Rousettus Gray, 1821
YPM: 8 [**8**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
AMNH: 15, BMNH: 27, FMNH: 22, KU: 1, LACM: 19, MCZ: 5, RMCA: 3, RMNH: 16, ROM: 137, SMF: 9, TTU: 1, USNM: 10, WAM: 1, WNMU: 1, YPM: 2, ZMA: 19, ZMB: 1 [**289**].
Scotoecus albigula Thomas, 1909
BMNH: 7, FMNH: 4, ROM: 1 [**12**].

Scotoecus albofuscus (Thomas, 1890)
AMNH: 1, ROM: 17 [**18**].
Scotoecus hindei Thomas, 1901
AMNH: 8, BMNH: 9, MCZ: 1, ROM: 186, USNM: 5, ZMA: 2 [**211**].
Scotoecus hirundo (de Winton, 1899)
BMNH: 15, CUMV: 1, FMNH: 17, MNHN: 2, MSU: 1, NMK: 1, ROM: 30, SMF: 6, USNM: 47, WAM: 1, WNMU: 1 [**122**].
Scotophilus Leach, 1821
ROM: 2, ZMB: 1 [**3**].
Scotophilus andrewreborii Brooks and Bickham, 2014
CM: 14 [**14**].
Scotophilus dinganii (A. Smith, 1833)
AMNH: 5, BMNH: 28, CAS: 13, CM: 1, FMNH: 21, MCZ: 10, MMU: 1, MSU: 1, RMNH: 18, ROM: 140, SMF: 17, USNM: 68, ZMA: 6, ZMB: 1 [**330**].
Scotophilus leucogaster (Cretzschmar, 1826)
BMNH: 3, CM: 1, CUMV: 22, MMU: 1, MSU: 1, ROM: 23 [**51**].
Scotophilus livingstonii Brooks and Bickham, 2014
CM: 4 [**4**].
Scotophilus nigrita (Schreber, 1774)
BRTC: 1, CM: 1, CUMV: 1, FMNH: 1, HNHM: 1, MSU: 1, RMNH: 2, ROM: 2, WAM: 1 [**11**].
Scotophilus nux Thomas, 1904
FMNH: 1, MCZ: 1, ROM: 14, USNM: 1 [**17**].
Scotophilus trujilloi Brooks and Bickham, 2014
CM: 5 [**5**].
Scotophilus viridis (Peters, 1852)
AMNH: 1, CM: 2, MCZ: 1, RMNH: 27, ROM: 26, SMF: 1, USNM: 1, ZMA: 9 [**68**].
Stenonycteris lanosus (Thomas, 1906)
BMNH: 12, CM: 2, FMNH: 10, HZM: 1, LACM: 12, ROM: 15, USNM: 21, WAM: 1, WNMU: 1, ZMA: 7, ZMB: 1 [**83**].
Tadarida Rafinesque, 1814
CAS: 2, YPM: 12 [**14**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
BMNH: 8, CUMV: 51, FMNH: 1, LACM: 181, QM: 3, ROM: 161, SMF: 1, UMMZ: 1, WAM: 1, WNMU: 1, ZMA: 2 [**411**].
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
AMNH: 1, BMNH: 5, FMNH: 15, RMNH: 36, ROM: 17, USNM: 5 [**79**].
Tadarida fulminans (Thomas, 1903)
ROM: 4, USNM: 1, WNMU: 1 [**6**].
Tadarida lobata (Thomas, 1891)
BMNH: 2, MMU: 1, MVZ: 1, NHMZ: 1, ROM: 32 [**37**].
Tadarida ventralis (Heuglin, 1861)
BMNH: 1, FMNH: 4, LACM: 1, ROM: 36 [**42**].
Taphozous hamiltoni Thomas, 1920
BMNH: 5, FMNH: 6, NMK: 3, SMF: 2, WNMU: 1 [**17**].
Taphozous hildegardeae Thomas, 1909
AMNH: 4, BMNH: 19, FMNH: 30, KU: 1, MCZ: 1, RMCA: 4, ROM: 204, SMF: 32, USNM: 13, WNMU: 1, ZMA: 7, ZMB: 2 [**318**].
Taphozous incognita (Butler & Hopwood, 1957)
BMGD: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
AMNH: 1, BMNH: 1, CAS: 1, FMNH: 10, LACM: 13, MMU: 1, ROM: 14, SMF: 4, TTU: 2, USNM: 4, UWBM: 8, WAM: 1 [**60**].
Taphozous nudiventris Cretzschmar, 1830
BMNH: 2, ROM: 7 [**9**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
BMNH: 1, MCZ: 11, WAM: 1, WNMU: 1 [**14**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
FMNH: 8, MSU: 7, ROM: 33 [**48**].
Triaenops Dobson, 1871
RMNH: 21 [**21**].
Triaenops afer Peters, 1877
AMNH: 6, BMNH: 10, CUMV: 5, FMNH: 21, MCZ: 2, MZUF: 1, QM: 2, RMCA: 7, ROM: 87, SMF: 13, USNM: 13, WNMU: 1, ZMA: 12, ZMB: 1 [**181**].
VESPERTILIONIDAE Gray, 1821
BMNH: 1 [**1**].

Total Specimens for Kenya: 14528

Lesotho

Cistugo lesueuri Roberts, 1919
DNSM: 1, KM: 1, NMB: 49 [**51**].
Eptesicus hottentotus (A. Smith, 1833)
NMB: 5 [**5**].
Laephotis wintoni Thomas, 1901
NMB: 5 [**5**].
Miniopterus natalensis (A. Smith, 1833)
NMB: 2 [**2**].

Myotis tricolor (Temminck, 1832)
NMB: 10 [**10**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 9, DNSM: 1, NMB: 12, TM: 2, USNM: 17 [**41**].
Rhinolophus clivosus Cretzschmar, 1828
MSNG: 3, NMB: 21 [**24**].
Rhinolophus darlingi K. Andersen, 1905
NMB: 2 [**2**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
NMB: 2 [**2**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
USNM: 2 [**2**].

Total Specimens for Lesotho: 144

Liberia

Casinycteris ophiodon (Pohle, 1943)
AMNH: 1, BMNH: 5, RMCA: 2, USNM: 4, YPM: 1 [**13**].
Chaerephon bemmeleni (Jentink, 1879)
SMF: 3 [**3**].
Chaerephon major (Trouessart, 1897)
AMNH: 8, BMNH: 1, RMCA: 6 [**15**].
CHIROPTERA Blumenbach, 1779
YPM: 6 [**6**].
Doryrhina cyclops (Temminck, 1853)
AMNH: 3, BMNH: 8, DNSM: 1, MCZ: 1, RMCA: 2, RMNH: 2, SMF: 3 [**20**].
Eidolon helvum (Kerr, 1792)
BMNH: 3, MCZ: 5, RBINS: 1, RMCA: 2, SMF: 1, USNM: 1, ZMB: 2 [**15**].
Eidolon helvum helvum (Kerr, 1792)
AMNH: 2 [**2**].
Epomophorus Bennett, 1836
MNHN: 3 [**3**].
Epomophorus gambianus (Ogilby, 1835)
AMNH: 19, MNHN: 6, RMCA: 4 [**29**].
Epomophorus gambianus gambianus (Ogilby, 1835)
RMNH: 1 [**1**].
Epomops buettikoferi (Matschie, 1899)
AMNH: 22, BMNH: 18, LACM: 1, MNHN: 21, RBINS: 11, RMCA: 12, RMNH: 5, SMF: 3, USNM: 10 [**103**].
Epomops franqueti (Tomes, 1860)
MCZ: 1, RMCA: 20, USNM: 23, ZMB: 1 [**45**].
Glauconycteris Dobson, 1875
DNSM: 1 [**1**].
Glauconycteris poensis (Gray, 1842)
AMNH: 8, DNSM: 3 [**11**].
Hipposideros Gray, 1831
MNHN: 2 [**2**].
Hipposideros beatus (K. Andersen, 1906)
AMNH: 2, BMNH: 1, DNSM: 4, MCZ: 4, SMF: 2, USNM: 1 [**14**].
Hipposideros caffer (Sundevall, 1846)
BMNH: 1, MNHN: 1 [**2**].
Hipposideros fuliginosus (Temminck, 1853)
AMNH: 9, RMNH: 2, USNM: 10 [**21**].
Hipposideros jonesi Hayman, 1947
AMNH: 1 [**1**].
Hipposideros lamottei Brosset, 1985
AMNH: 2, USNM: 1 [**3**].
Hipposideros marisae Aellen, 1954
AMNH: 1, BMNH: 1, DNSM: 1 [**3**].
Hipposideros ruber (Noack, 1893)
AMNH: 73, BMNH: 44, DNSM: 9, MVZ: 2, RMCA: 3, RMNH: 1, SMF: 117, USNM: 11 [**260**].
Hypsignathus monstrosus H. Allen, 1862
AMNH: 2, BMNH: 7, MNHN: 2, RBINS: 2, RMCA: 2, RMNH: 2, ZMA: 1 [**18**].
Hypsugo crassulus (Thomas, 1904)
DNSM: 3 [**3**].
Hypsugo eisentrauti (Hill, 1968)
AMNH: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 2 [**2**].
Kerivoula phalaena Thomas, 1912
BMNH: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
ZMB: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
AMNH: 1, BMNH: 2, DNSM: 1, RMNH: 1, SMF: 3, ZMA: 1 [**9**].

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
AMNH: 27, BMNH: 7, MNHN: 6, RBINS: 6, RMCA: 6, RMNH: 1, SMF: 6, USNM: 8 [**67**].
Micropteropus pusillus (Peters, 1868)
AMNH: 15, BMNH: 8, RMCA: 2, SMF: 3, USNM: 1 [**29**].
Mimetillus moloneyi (Thomas, 1891)
AMNH: 12, KU: 2, RMNH: 2, USNM: 1 [**17**].
Miniopterus inflatus Thomas, 1903
AMNH: 3, BMNH: 8, SMF: 1 [**12**].
Miniopterus inflatus inflatus Thomas, 1903
AMNH: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 8 [**8**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
AMNH: 1 [**1**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
AMNH: 29 [**29**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
AMNH: 1, USNM: 1 [**2**].
Mormopterus acetabulosus (Hermann, 1804)
BMNH: 5 [**5**].
Myonycteris angolensis (Bocage, 1898)
MNHN: 14, USNM: 1 [**15**].
Myonycteris angolensis smithii (Thomas, 1908)
AMNH: 22, BMNH: 7, RBINS: 14, SMF: 4 [**47**].
Myonycteris leptodon K. Andersen, 1908
AMNH: 38, AMS: 1, BMNH: 32, MNHN: 24, RBINS: 119, RMCA: 7, RMNH: 1, SMF: 4, USNM: 18 [**244**].
Myotis bocagii cupreolus Thomas, 1904
FMNH: 2 [**2**].
Myotis tricolor (Temminck, 1832)
AMNH: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
AMNH: 9, MNHN: 5, RBINS: 36, RMCA: 7, RMNH: 1, SMF: 4 [**62**].
Neoromicia Roberts, 1926
DNSM: 1 [**1**].
Neoromicia brunnea (Thomas, 1880)
AMNH: 1, DNSM: 7 [**8**].
Neoromicia capensis (A. Smith, 1829)
RBINS: 1 [**1**].
Neoromicia isabella Decher, Hutterer and Monadjem, 2016
DNSM: 1 [**1**].
Neoromicia nana (Peters, 1852)
AMNH: 5, BMNH: 8, DNSM: 1, FMNH: 2, HZM: 4, MCZ: 34, MNHN: 1, MVZ: 13, RMCA: 1, RMNH: 2, SMF: 4, USNM: 6 [**81**].
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013
DNSM: 2 [**2**].
Neoromicia somalica (Thomas, 1901)
DNSM: 1 [**1**].
Neoromicia tenuipinnis (Peters, 1872)
AMNH: 2, DNSM: 1, FMNH: 2, MCZ: 14, MVZ: 3, RMCA: 1, RMNH: 1, USNM: 4 [**28**].
Nycteris arge Thomas, 1903
AMNH: 2, BMNH: 5, MCZ: 2, RMCA: 1, RMNH: 1 [**11**].
Nycteris grandis Peters, 1865
AMNH: 1, BMNH: 3, MCZ: 1, RBINS: 1, RMCA: 1, RMNH: 1 [**8**].
Nycteris hispida (Schreber, 1774)
AMNH: 2, BMNH: 1, DNSM: 1, MCZ: 1, MVZ: 3, RMNH: 1, USNM: 1 [**10**].
Nycteris intermedia Aellen, 1959
AMNH: 1 [**1**].
Nycteris macrotis Dobson, 1876
AMNH: 6, BMNH: 1, DNSM: 1 [**8**].
Nycteris major (K. Andersen, 1912)
AMNH: 1 [**1**].
Pipistrellus Kaup, 1829
USNM: 1 [**1**].
Pipistrellus grandidieri (Dobson, 1876)
DNSM: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
BMNH: 5 [**5**].
Pipistrellus nanulus Thomas, 1904
AMNH: 2, BMNH: 1, DNSM: 2 [**5**].
Rhinolophus guineensis Eisentraut, 1960
AMNH: 40, DNSM: 2 [**42**].
Rhinolophus hillorum Koopman, 1989
AMNH: 3, BMNH: 1 [**4**].
Rhinolophus hipposideros (Bechstein, 1800)
BMNH: 1 [**1**].

Rhinolophus landeri Martin, 1838
DNSM: 1 [**1**].
Rhinolophus simulator K. Andersen, 1904
AMNH: 2 [**2**].
Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002
AMNH: 1 [**1**].
Rousettinae Andersen, 1912
RMCA: 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
AMNH: 50, BMNH: 6, MNHN: 10, RBINS: 15, SMF: 1 [**82**].
Saccolaimus peli (Temminck, 1853)
AMNH: 4, MCZ: 5, USNM: 18 [**27**].
Scotonycteris occidentalis Hayman, 1947
AMNH: 8, BMNH: 10, MNHN: 5, RBINS: 6, RMCA: 10, SMF: 3, USNM: 6 [**48**].
Scotophilus nux Thomas, 1904
AMNH: 1, BMNH: 3 [**4**].

Total Specimens for Liberia: 1538

Libya

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
BMNH: 12, SMF: 1 [**13**].
Eptesicus isabellinus (Temminck, 1840)
NMP: 8 [**8**].
Miniopterus horaceki Gunnell, Eiting, and Geraads, 2011
NMP: 5 [**5**].
Myotis punicus Felten, 1977
SMF: 1 [**1**].
Otonycteris hemprichii Peters, 1859
NMP: 2, USNM: 2 [**4**].
Pipistrellus hanaki Hulva and Benda, 2004
NMP: 11 [**11**].
Pipistrellus kuhlii (Kuhl, 1817)
BMNH: 1, CM: 3, HZM: 1, MHNG: 1, NMP: 10, RBINS: 1 [**17**].
Pipistrellus pipistrellus (Schreber, 1774)
CM: 14, USNM: 1 [**15**].
Plecotus christii Gray, 1838
MSNG: 5, NMP: 2 [**7**].
Plecotus teneriffae Barrett-Hamilton, 1907
NMP: 7, NMW: 17 [**24**].
Rhinolophus ferrumequinum (Schreber, 1774)
NMP: 2 [**2**].
Rhinopoma cystops Thomas, 1903
NMP: 2 [**2**].
Tadarida teniotis (Rafinesque, 1814)
NMP: 6, NMW: 13 [**19**].

Total Specimens for Libya: 128

Macedonia

Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
MHNG: 1 [**1**].

Total Specimens for Macedonia: 1

Madagascar

Chaerephon Dobson, 1874
MNHN: 1 [**1**].
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
BMNH: 2, FMNH: 264, MCZ: 5, MNHN: 5, ROM: 2, UADBA: 22, USNM: 12, ZMB: 3 [**315**].
Chaerephon jobimena Goodman and Cardiff, 2004
FMNH: 2, UADBA: 3 [**5**].
Chaerephon leucogaster (A. Grandidier, 1869)
FMNH: 90, MNHN: 5, ROM: 32, SMF: 1, UADBA: 35, USNM: 4 [**167**].
Chaerephon pumilus (Cretzschmar, 1826)
MCZ: 21, MNHN: 38, ROM: 1, USNM: 1, YPM: 9, ZMA: 1 [**71**].
CHIROPTERA Blumenbach, 1779
ZMB: 1 [**1**].
Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
FMNH: 20, UADBA: 1 [**21**].

Eidolon dupreanum (Schegel, 1867)
AMNH: 15, BMNH: 10, FMNH: 10, HNHM: 1, MCZ: 18, MNHN: 21, NMV: 1, RBINS: 1, RMNH: 1, ROM: 10, UA: 14, UADBA: 6, ZMB: 10 [**118**].
Eidolon helvum (Kerr, 1792)
MNHN: 3, RMNH: 1 [**4**].
Hipposideros Gray, 1831
MNHN: 7 [**7**].
Hipposideros besaoka Samonds, 2007
UA: 629 [**629**].
Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015
FMNH: 3 [**3**].
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
AMNH: 1, BMNH: 7, FMNH: 126, MCZ: 8, MNHN: 35, ROM: 2, SMF: 2, UA: 10, UADBA: 55, USNM: 8, YPM: 1, ZMB: 3 [**258**].
Macronycteris cryptovalorona (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
FMNH: 2 [**2**].
Macronycteris vittatus (Peters, 1852)
SMF: 1 [**1**].
Miniopterus Bonaparte, 1837
BMNH: 2, FMNH: 19, MNHN: 53, NMV: 2, SAMA: 1, UADBA: 4, USNM: 28, ZMB: 27 [**136**].
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
FMNH: 93, UADBA: 20 [**113**].
Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015
FMNH: 11, UADBA: 6 [**17**].
Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
FMNH: 30 [**30**].
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
FMNH: 11, USNM: 3 [**14**].
Miniopterus fraterculus Thomas and Schwann, 1906
SMF: 2 [**2**].
Miniopterus gleni Peterson, Eger and Mitchell, 1995
FMNH: 36, ROM: 21, SMF: 1, UADBA: 20 [**78**].
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
FMNH: 9, UADBA: 1, USNM: 3 [**13**].
Miniopterus griveaudi Harrison, 1959
FMNH: 173, MNHN: 1, SMF: 10, UADBA: 38 [**222**].
Miniopterus inflatus Thomas, 1903
BMNH: 1 [**1**].
Miniopterus inflatus inflatus Thomas, 1903
BMNH: 2 [**2**].
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009
FMNH: 110, MNHN: 4, UADBA: 32 [**146**].
Miniopterus majori Thomas, 1906
BMNH: 5, FMNH: 55, MCZ: 2, MNHN: 20, MVZ: 2, ROM: 2, SMF: 1, UADBA: 19, USNM: 25 [**131**].
Miniopterus manavi Thomas, 1906
AMNH: 1, BMNH: 11, FMNH: 16, MCZ: 27, MNHN: 6, NMW: 3, ROM: 95, SMF: 6, UADBA: 4, USNM: 59 [**228**].
Miniopterus minor Peters, 1867
MNHN: 125 [**125**].
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
FMNH: 5, MNHN: 1, UADBA: 2, USNM: 52 [**60**].
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
BMNH: 14, FMNH: 36, ROM: 20, UADBA: 10, USNM: 3 [**83**].
MOLOSSIDAE Gervais, 1856
MCZ: 2 [**2**].
Mops Lesson, 1842
MNHN: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
FMNH: 1, MNHN: 39, USNM: 101 [**141**].
Mops (Mops) leucostigma (G.M. Allen, 1918)
AMNH: 16, FMNH: 14, MCZ: 29, MNHN: 5, ROM: 77, SMF: 2, UADBA: 31, USNM: 1, YPM: 1, ZMA: 2 [**178**].
Mops (Mops) midas (Sundevall, 1843)
FMNH: 8, MNHN: 1, UADBA: 10, USNM: 33 [**52**].
Mops (Mops) midas miarensis (A. Grandidier, 1869)
AMNH: 1, MCZ: 4, MNHN: 1 [**6**].
Mormopterus Peters, 1865
MCZ: 2 [**2**].
Mormopterus acetabulosus (Hermann, 1804)
MNHN: 1 [**1**].
Mormopterus jugularis (Peters, 1865)
AMNH: 1, BMNH: 1, BRTC: 2, FMNH: 29, MCZ: 38, MNHN: 129, ROM: 399, UADBA: 43, USNM: 123, ZMB: 2 [**767**].
Myotis goudoti (A. Smith, 1834)
BMNH: 5, FMNH: 199, MCZ: 5, MNHN: 37, ROM: 3, SMF: 5, UA: 1, UADBA: 30, USNM: 35, ZMB: 2 [**322**].
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878
AMNH: 1, BMNH: 1, FMNH: 3, MNHN: 6, ROM: 1, SMF: 1, UADBA: 6, USNM: 19, ZMB: 1 [**39**].

Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007
AMNH: 1, FMNH: 3, SMG: 18, UADBA: 5 [**27**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 1, MNHN: 7, USNM: 7 [**15**].
Neoromicia humbloti (A. Milne-Edwards, 1881)
MNHN: 9 [**9**].
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995)
FMNH: 4, ROM: 1, UADBA: 2 [**7**].
Neoromicia matroka (Thomas and Schwann, 1905)
BMNH: 8, FMNH: 14, MCZ: 6, MNHN: 1, NMW: 1, RMNH: 1, ROM: 43, UADBA: 1, YPM: 1 [**76**].
Neoromicia nana (Peters, 1852)
MCZ: 1, MNHN: 6 [**7**].
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012
FMNH: 2, UADBA: 2 [**4**].
Neoromicia somalica (Thomas, 1901)
FMNH: 1, MNHN: 1, NMW: 1, RMNH: 1 [**4**].
Nycteris madagascariensis G. Grandidier, 1937
MCZ: 2 [**2**].
Nycticeinops schlieffenii (Peters, 1859)
MNHN: 3 [**3**].
Otomops madagascariensis Dorst, 1953
FMNH: 54, MNHN: 1, ROM: 30, UADBA: 20 [**105**].
Paratriaenops auritus (G. Grandidier, 1912)
MCZ: 1, UADBA: 1 [**2**].
Paratriaenops furculus (Trouessart, 1907)
BMNH: 4, FMNH: 5, MNHN: 19, MSNG: 2, ROM: 6, SMF: 1, UADBA: 16 [**53**].
Paremballonura atrata (Peters, 1874)
BMNH: 1, FMNH: 13, MCZ: 19, MNHN: 56, ROM: 1, SMF: 3, UADBA: 10, USNM: 5, ZMB: 1 [**109**].
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
FMNH: 39, MCZ: 2, MNHN: 1, UADBA: 6 [**48**].
Pipistrellus hesperidus (Temminck, 1840)
FMNH: 5, UADBA: 3 [**8**].
Pipistrellus inexspectatus Aellen, 1959
MCZ: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
SMF: 1 [**1**].
Pipistrellus raceyi Bates, Ratrimomanarivo, Harrison and Goodman, 2006
FMNH: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
MNHN: 1 [**1**].
PTEROPODIDAE Gray, 1821
MNHN: 1 [**1**].
Pteropus Erxleben, 1777
RMNH: 1, USNM: 2 [**3**].
Pteropus niger (Kerr, 1792)
RMNH: 2 [**2**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
AMNH: 11, BMNH: 15, FMNH: 18, MCZ: 15, MNHN: 30, NMV: 2, RMNH: 11, ROM: 14, SMF: 2, TM: 2, UADBA: 10, USNM: 24, ZMA: 5, ZMB: 10 [**169**].
Rousettus madagascariensis G. Grandidier, 1929
FMNH: 143, MCZ: 1, MNHN: 18, ROM: 52, UA: 2, UADBA: 41, USNM: 71, ZMA: 1 [**329**].
Scotophilus Leach, 1821
MNHN: 4 [**4**].
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006
FMNH: 8, MNHN: 1, UADBA: 4 [**13**].
Scotophilus robustus A. Milne-Edwards, 1881
FMNH: 3, MCZ: 3, MNHN: 6, SMF: 1, UADBA: 7 [**20**].
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005
UADBA: 1 [**1**].
Tadarida fulminans (Thomas, 1903)
BMNH: 1, FMNH: 1 [**2**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 1, FMNH: 2, MCZ: 3, MNHN: 10, SMF: 1, UADBA: 3 [**20**].
Triaenops Dobson, 1871
UA: 3 [**3**].
Triaenops goodmani Samonds, 2007
UA: 3, UADBA: 1 [**4**].
Triaenops menamena Goodman and Ranivo, 2009
BMNH: 6, FMNH: 23, MCZ: 5, MNHN: 25, MZUF: 1, SMF: 2, UADBA: 34, USNM: 1 [**97**].
Vespertilioninae Gray, 1821
MNHN: 1 [**1**].

Total Specimens for Madagascar: 5667

Madeira (Portugal)

Nyctalus leisleri (Kuhl, 1817)
BMNH: 1, MNHN: 2 [**3**].
Pipistrellus maderensis (Dobson, 1878)
BMNH: 2, MMF: 1 [**3**].
Plecotus teneriffae Barrett-Hamilton, 1907
MNHN: 1 [**1**].

Total Specimens for Madeira (Portugal): 7

Malawi

Chaerephon Dobson, 1874
MCZ: 26, ZMA: 1 [**27**].
Chaerephon ansorgei (Thomas, 1913)
ZMA: 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
NHMZ: 1, ZMA: 4 [**5**].
Chaerephon nigeriae spillmanni (Monard, 1933)
RMCA: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 1, BMNH: 4, FMNH: 19, KU: 3, MCZ: 11, NHMZ: 2, ROM: 11, TM: 1, WAM: 11, ZMA: 29 [**92**].
CHIROPTERA Blumenbach, 1779
BMNH: 3 [**3**].
Eidolon helvum (Kerr, 1792)
BMNH: 7, MCZ: 1, ZMA: 1 [**9**].
Epomophorus anselli Bergmans and Van Strien, 2004
NMMB: 4, ZMA: 2 [**6**].
Epomophorus crypturus Peters, 1852
AMNH: 2, BMNH: 4, FMNH: 1, HZM: 1, MCZ: 1, NMMB: 14, TM: 4, WAM: 4, ZMA: 6 [**37**].
Epomophorus dobsonii Bocage, 1889
BDUMZ: 1, BMNH: 1, RMNH: 1, SMF: 1, ZMA: 11 [**15**].
Epomophorus labiatus (Temminck, 1837)
AMNH: 7, BMNH: 3, CM: 6, FMNH: 5, HZM: 9, KM: 6, MCZ: 1, MNHN: 12, NMMB: 11, SMF: 18, TM: 4, ZMA: 35 [**117**].
Epomophorus minor Dobson, 1880
BMNH: 2, CM: 7, FMNH: 5, RMCA: 1, SMF: 1, WAM: 94 [**110**].
Epomophorus wahlbergi (Sundevall, 1846)
BMNH: 8, CM: 2, FMNH: 19, HZM: 1, KM: 1, KU: 1, MVZ: 15, NHMZ: 1, NMMB: 3, NMZL: 4, TM: 1, WAM: 4, ZMA: 17 [**77**].
Eptesicus hottentotus (A. Smith, 1833)
BMNH: 4, TM: 1 [**5**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 13, BMNH: 13, FMNH: 2, KM: 1, KU: 2, MCZ: 3, NHMZ: 1 [**35**].
Hipposideros ruber (Noack, 1893)
BMNH: 4, KM: 1, MCZ: 1, NMP: 1, TM: 1, ZMA: 2 [**10**].
Kerivoula argentata Tomes, 1861
MVZ: 1, NHMZ: 1, TM: 2 [**4**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 1 [**1**].
Laephotis botswanae Setzer, 1971
BMNH: 1, DCDH: 11, TM: 1, ZMA: 7 [**20**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
HZM: 1, ZMA: 1 [**2**].
Macronycteris vittatus (Peters, 1852)
BMNH: 9, RMCA: 1, ZMA: 2 [**12**].
Miniopterus fraterculus Thomas and Schwann, 1906
AMNH: 8, KM: 1 [**9**].
Miniopterus inflatus Thomas, 1903
TM: 1 [**1**].
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013
BMNH: 3 [**3**].
Miniopterus natalensis (A. Smith, 1833)
AMNH: 4, FMNH: 1, KM: 1, MVZ: 2, TM: 3 [**11**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 42, BMNH: 51, KM: 1, KU: 24, MCZ: 1, NHMZ: 8, RMNH: 1, ROM: 4, TM: 6, WAM: 5, ZMA: 7 [**150**].
Mops (Mops) demonstrator (Thomas, 1903)
WAM: 1 [**1**].
Mops (Mops) midas (Sundevall, 1843)
BMNH: 4, KU: 1, MCZ: 1, ROM: 1 [**7**].
Myonycteris angolensis (Bocage, 1898)
FMNH: 2 [**2**].
Myotis bocagii (Peters, 1870)
KM: 1 [**1**].

Myotis bocagii bocagii (Peters, 1870)
AMNH: 2, KU: 1 [**3**].
Myotis bocagii cupreolus Thomas, 1904
BMNH: 2 [**2**].
Myotis tricolor (Temminck, 1832)
BMNH: 2 [**2**].
Myotis welwitschii (Gray, 1866)
BMNH: 2, FMNH: 3, NHMZ: 1 [**6**].
Neoromicia Roberts, 1926
MVZ: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 9, DCDH: 14, HZM: 1, TM: 4 [**28**].
Neoromicia flavescens (Seabra, 1900)
DCDH: 1 [**1**].
Neoromicia nana (Peters, 1852)
AMNH: 64, BMNH: 29, DCDH: 49, FMNH: 18, HNHM: 1, HZM: 1, KM: 20, KU: 4, MCZ: 20, NHMZ: 2, ROM: 15, SMF: 3, TM: 8 [**234**].
Neoromicia rendalli (Thomas, 1889)
DCDH: 3, KU: 1, MNHN: 1 [**5**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
BMNH: 2, DCDH: 1 [**3**].
Neoromicia zuluensis (Roberts, 1924)
BMNH: 4, DCDH: 7, HZM: 2 [**13**].
Nycteris grandis Peters, 1865
BMNH: 1, ZMA: 1 [**2**].
Nycteris hispida (Schreber, 1774)
BMNH: 3, FMNH: 1, RMCA: 1, SMTD: 1, ZMA: 1 [**7**].
Nycteris macrotis Dobson, 1876
BMNH: 11, FMNH: 1, MCZ: 1, NHMZ: 2, SMF: 1, TM: 1, ZMA: 9 [**26**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 1, BMNH: 16, FMNH: 3, KM: 3, KU: 2, MCZ: 1, ZMA: 15 [**41**].
Nycteris woodi K. Andersen, 1914
BMNH: 2, KM: 1, KU: 1, ZMA: 1 [**5**].
Nycticeinops schlieffenii (Peters, 1859)
KU: 2, MVZ: 1 [**3**].
Otomops martiensseni (Matschie, 1897)
MVZ: 1, NMZL: 1 [**2**].
Pipistrellus Kaup, 1829
FMNH: 1, MVZ: 5 [**6**].
Pipistrellus grandidieri (Dobson, 1876)
TM: 3 [**3**].
Pipistrellus hesperidus (Temminck, 1840)
DCDH: 48, NMZL: 1, TM: 1 [**50**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
BMNH: 15, FMNH: 2 [**17**].
Pipistrellus rueppellii (Fischer, 1829)
BMNH: 5, DCDH: 15 [**20**].
Pipistrellus rusticus (Tomes, 1861)
BMNH: 6, DNSM: 1, KM: 1 [**8**].
Plerotes anchietae (Seabra, 1900)
SMF: 2 [**2**].
Rhinolophus blasii Peters, 1867
BMNH: 14, FMNH: 24, MCZ: 1, NMZL: 1, TM: 2, ZMA: 6 [**48**].
Rhinolophus clivosus Cretzschmar, 1828
AMNH: 1, BMNH: 8, FMNH: 6, MVZ: 8, NMP: 3, TM: 3, ZMA: 9 [**38**].
Rhinolophus darlingi K. Andersen, 1905
BMNH: 1, TM: 1 [**2**].
Rhinolophus fumigatus Rüppell, 1842
AMNH: 1, BMNH: 7, FMNH: 18, KM: 2, NMP: 1, ROM: 1, ZMA: 6 [**36**].
Rhinolophus lobatus Peters, 1852
BMNH: 6, KM: 1, KU: 2, MVZ: 25, TM: 1 [**35**].
Rhinolophus rhodesiae Roberts, 1946
BMNH: 2, FMNH: 14 [**16**].
Rhinolophus simulator K. Andersen, 1904
BMNH: 3, FMNH: 3, SMF: 1 [**7**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
AMNH: 1, BMNH: 5, FMNH: 7, MCZ: 3, MVZ: 1, NHMZ: 1, NMP: 1, NMZL: 1, TM: 2, ZMA: 2 [**24**].
Rousettus Gray, 1821
BMNH: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
FMNH: 1, KM: 1, MCZ: 1, WAM: 6, ZMA: 4 [**13**].
Scotoecus albigula Thomas, 1909
BMNH: 2 [**2**].
Scotoecus albofuscus (Thomas, 1890)
BMNH: 8 [**8**].

Scotoecus hindei Thomas, 1901
BMNH: 2, TM: 4, ZMA: 1 [**7**].
Scotophilus Leach, 1821
BRTC: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 10, DNSM: 1, KU: 2, MCZ: 1, RMCA: 1, ROM: 12, TM: 2 [**29**].
Scotophilus leucogaster (Cretzschmar, 1826)
BMNH: 5 [**5**].
Scotophilus nigrita (Schreber, 1774)
BMNH: 4 [**4**].
Scotophilus viridis (Peters, 1852)
BMNH: 4, KU: 2 [**6**].
Stenonycteris lanosus (Thomas, 1906)
ZMA: 10 [**10**].
Tadarida fulminans (Thomas, 1903)
HZM: 1 [**1**].
Tadarida ventralis (Heuglin, 1861)
NMMB: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
AMNH: 1, BMNH: 2, KM: 1, KU: 1, MNHN: 1, NHMZ: 1, ZMA: 2 [**9**].
Triaenops afer Peters, 1877
DNSM: 1 [**1**].

Total Specimens for Malawi: 1568

Mali

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
MNHN: 6 [**6**].
Chaerephon leucogaster (A. Grandidier, 1869)
AMNH: 1, MNHN: 1 [**2**].
Chaerephon major (Trouessart, 1897)
BMNH: 1, FMNH: 5, MNHN: 2 [**8**].
Chaerephon pumilus (Cretzschmar, 1826)
FMNH: 23, MNHN: 18 [**41**].
Eidolon helvum helvum (Kerr, 1792)
MNHN: 4 [**4**].
Epomophorus gambianus (Ogilby, 1835)
FMNH: 19, MCZ: 1, MNHN: 62, SMF: 2 [**84**].
Epomophorus gambianus gambianus (Ogilby, 1835)
FMNH: 42, MNHN: 7 [**49**].
Hipposideros caffer (Sundevall, 1846)
DNSM: 1, MNHN: 1 [**2**].
Hipposideros jonesi Hayman, 1947
MNHN: 1 [**1**].
Hipposideros ruber (Noack, 1893)
SMF: 2 [**2**].
Hipposideros tephrus (Cabrera, 1906)
FMNH: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
DNSM: 1, MNHN: 2 [**3**].
Mops (Mops) condylurus (A. Smith, 1833)
FMNH: 9, MNHN: 11 [**20**].
Neoromicia nana (Peters, 1852)
FMNH: 2, ZMUC: 8 [**10**].
Neoromicia rendalli (Thomas, 1889)
DNSM: 2, MNHN: 1 [**3**].
Neoromicia somalica (Thomas, 1901)
SMF: 1 [**1**].
Nycteris hispida (Schreber, 1774)
MNHN: 2, SMF: 2, ZMA: 1 [**5**].
Nycteris macrotis Dobson, 1876
MNHN: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
MNHN: 1 [**1**].
Nycticeinops schlieffenii (Peters, 1859)
MNHN: 3 [**3**].
Pipistrellus nanulus Thomas, 1904
DNSM: 2 [**2**].
Rhinolophus landeri Martin, 1838
DNSM: 1, MNHN: 1 [**2**].
Rhinopoma cystops Thomas, 1903
RMCA: 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
DNSM: 1 [**1**].

Scotoecus albofuscus (Thomas, 1890)
MNHN: 2 [**2**].
Scotoecus hirundo (de Winton, 1899)
MNHN: 2 [**2**].
Scotophilus Leach, 1821
MNHN: 5 [**5**].
Scotophilus dinganii (A. Smith, 1833)
MNHN: 5 [**5**].
Scotophilus leucogaster (Cretzschmar, 1826)
DNSM: 1, SMF: 2 [**3**].
Scotophilus viridis (Peters, 1852)
FMNH: 3 [**3**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
MNHN: 1 [**1**].

Total Specimens for Mali: 275

Malta

Plecotus teneriffae Barrett-Hamilton, 1907
BMNH: 1 [**1**].

Total Specimens for Malta: 1

Mauritania

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
MNHN: 4, USNM: 42 [**46**].
Eidolon helvum (Kerr, 1792)
MNHN: 4 [**4**].
Eptesicus floweri (de Winton, 1901)
EBD: 2 [**2**].
Hipposideros caffer (Sundevall, 1846)
EBD: 1 [**1**].
Hipposideros tephrus (Cabrera, 1906)
MNHN: 6, USNM: 5 [**11**].
Mops (Mops) condylurus (A. Smith, 1833)
USNM: 103 [**103**].
Nycteris hispida (Schreber, 1774)
USNM: 177 [**177**].
Nycteris macrotis Dobson, 1876
NMP: 1 [**1**].
Nycticeinops schlieffenii (Peters, 1859)
MNHN: 30, USNM: 12 [**42**].
Pipistrellus rueppellii (Fischer, 1829)
EBD: 1, USNM: 2 [**3**].
Rhinolophus fumigatus Rüppell, 1842
MNHN: 1 [**1**].
Rhinolophus landeri Martin, 1838
MNHN: 7 [**7**].
Rhinopoma cystops Thomas, 1903
MNHN: 1, USNM: 34 [**35**].
Rhinopoma microphyllum (Brünnich, 1782)
MNHN: 2, USNM: 46 [**48**].
Scotophilus leucogaster (Cretzschmar, 1826)
USNM: 2 [**2**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
MNHN: 1 [**1**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
USNM: 1 [**1**].

Total Specimens for Mauritania: 485

Mauritius

CHIROPTERA Blumenbach, 1779
ZMB: 2 [**2**].
Mormopterus acetabulosus (Hermann, 1804)
AMNH: 1, BMNH: 3, FMNH: 151, MCZ: 1, MNHN: 11, RMNH: 2, ZMB: 4 [**173**].
Mormopterus acetabulosus acetabulosus (Hermann, 1804)
SMF: 4 [**4**].
Pteropus Erxleben, 1777
RMNH: 1, ZMA: 1 [**2**].
Pteropus niger (Kerr, 1792)
AMS: 1, BMNH: 6, FMNH: 47, MCZ: 3, MNHN: 6, RMNH: 2, SMF: 3, USNM: 1, WAM: 1, ZMA: 1, ZMB: 2 [**73**].

Pteropus rodricensis Dobson, 1878
AMNH: 22, BMNH: 13, NMR: 1, RMNH: 2, SMF: 2, ZMA: 3 [**43**].
Pteropus subniger (Kerr, 1792)
BMNH: 4, FMNH: 1, MNHN: 3, ZMB: 2 [**10**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
USNM: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 1, MNHN: 2, ZMB: 1 [**4**].

Total Specimens for Mauritius: 312

Mayotte

Chaerephon leucogaster (A. Grandidier, 1869)
FMNH: 3 [**3**].
Chaerephon pumilus (Cretzschmar, 1826)
MNHN: 2, RMNH: 1 [**3**].
Chaerephon pusillus (Miller, 1902)
FMNH: 19, ZMB: 2 [**21**].
Pteropus livingstonii Gray, 1866
AMNH: 5 [**5**].
Pteropus seychellensis A. Milne-Edwards, 1877
MNHN: 6, RMNH: 2, SMF: 1 [**9**].

Total Specimens for Mayotte: 41

Morocco

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
EBD: 12, MNHN: 23, RMCA: 42, SMF: 10, USNM: 49 [**136**].
Barbastella barbastellus (Schreber, 1774)
EBD: 2 [**2**].
Eptesicus isabellinus (Temminck, 1840)
BMNH: 3, EBD: 5, MNHN: 1, NMP: 2, ROM: 1, ZMA: 2 [**14**].
Hipposideros caffer (Sundevall, 1846)
EBD: 1 [**1**].
Hipposideros tephrus (Cabrera, 1906)
BMNH: 3, EBD: 1, MNCN: 2, NMP: 2, ROM: 1, USNM: 1, ZMB: 3 [**13**].
Hypsugo savii (Bonaparte, 1837)
BMNH: 4, EBD: 5, MHNG: 1, MNHN: 2, USNM: 1 [**13**].
Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
EBD: 1, NMP: 15 [**16**].
Miniopterus schreibersii (Kuhl, 1817)
BMNH: 1, EBD: 38, MHNG: 1, MNHN: 6, NMP: 16, USNM: 160 [**222**].
Myotis Kaup, 1829
EBD: 6, MNHN: 1 [**7**].
Myotis capaccinii (Bonaparte, 1837)
EBD: 4, USNM: 9 [**13**].
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
EBD: 1, MNHN: 1, USNM: 3 [**5**].
Myotis mystacinus (Kuhl, 1817)
EBD: 10 [**10**].
Myotis punicus Felten, 1977
AMNH: 1, BMNH: 5, BRTC: 2, EBD: 125, MCZ: 6, MNHN: 16, RMCA: 4, SMF: 17, USNM: 302 [**478**].
Nyctalus lasiopterus (Schreber, 1780)
EBD: 1 [**1**].
Nyctalus leisleri (Kuhl, 1817)
EBD: 34, NMP: 8 [**42**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 1, EBD: 1, USNM: 20 [**22**].
Otonycteris hemprichii Peters, 1859
NMP: 4 [**4**].
Pipistrellus kuhlii (Kuhl, 1817)
BMNH: 2, EBD: 6, MNHN: 4, NMP: 3, RMNH: 2, ROM: 2, SMF: 4, USNM: 140 [**163**].
Pipistrellus pipistrellus (Schreber, 1774)
EBD: 5, MNHN: 1, NMP: 7, USNM: 7 [**20**].
Pipistrellus rueppellii (Fischer, 1829)
EBD: 2, MHNG: 1, NMP: 1, USNM: 1 [**5**].
Plecotus christii Gray, 1838
USNM: 2 [**2**].
Plecotus gaisleri Benda, Kiefer, Hanak & Veith, 2004
MHNG: 1 [**1**].
Plecotus teneriffae Barrett-Hamilton, 1907
BMNH: 1, EBD: 5, MNHN: 1, NMW: 12, USNM: 38 [**57**].

Rhinolophus Lacépède, 1799
MNHN: 9, RMCA: 3 [**12**].
Rhinolophus blasii Peters, 1867
EBD: 13, NMP: 10, NMW: 36, SMF: 1, USNM: 1 [**61**].
Rhinolophus euryale Blasius, 1853
BMNH: 2, EBD: 2, MNHN: 3, USNM: 64 [**71**].
Rhinolophus ferrumequinum (Schreber, 1774)
BMNH: 1, EBD: 2, MNHN: 5, NMP: 1, SMF: 1, USNM: 34, ZMA: 1 [**45**].
Rhinolophus fumigatus Rüppell, 1842
MNHN: 1 [**1**].
Rhinolophus hipposideros (Bechstein, 1800)
BMNH: 4, EBD: 1, MCZ: 6, MNHN: 5, NMP: 3, USNM: 14 [**33**].
Rhinolophus mehelyi Matschie, 1901
EBD: 5, FMNH: 2, MNHN: 15, SMF: 1, USNM: 66, ZMB: 4 [**93**].
Rhinopoma cystops Thomas, 1903
EBD: 1, MNHN: 14, USNM: 71 [**86**].
Rhinopoma microphyllum (Brünnich, 1782)
EBD: 1, MNHN: 1, USNM: 4 [**6**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
NMP: 1 [**1**].
Tadarida teniotis (Rafinesque, 1814)
BMNH: 4, EBD: 2, NMP: 4, USNM: 3 [**13**].
VESPERTILIONIDAE Gray, 1821
MNHN: 1 [**1**].
VESPERTILIONOIDEA Gray, 1821
RMCA: 6 [**6**].

Total Specimens for Morocco: 1676

Mozambique

Chaerephon ansorgei (Thomas, 1913)
DNSM: 4, USNM: 1 [**5**].
Chaerephon bivittatus (Heuglin, 1861)
CZL: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 18, BMNH: 2, CZL: 2, DNSM: 5, FMNH: 20, MCZ: 5, NHMZ: 9, ROM: 4, TM: 19, USNM: 79, ZMB: 5 [**168**].
Coleura afra (Peters, 1852)
BMNH: 2, ZMB: 8 [**10**].
Eidolon helvum (Kerr, 1792)
NHMZ: 2 [**2**].
Epomophorus Bennett, 1836
BMNH: 2 [**2**].
Epomophorus crypturus Peters, 1852
AMNH: 1, BMNH: 10, DNSM: 6, NHMZ: 1, RMNH: 1, USNM: 13, ZMB: 6 [**38**].
Epomophorus labiatus (Temminck, 1837)
DNSM: 1 [**1**].
Epomophorus minor Dobson, 1880
DNSM: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
AMNH: 3, BMNH: 4, DNSM: 14, FMNH: 5, HZM: 2, MCZ: 1, MVZ: 9, MWSU: 6, NHMZ: 1, ROM: 16, TM: 8, USNM: 37, ZMB: 1 [**107**].
Eptesicus hottentotus (A. Smith, 1833)
DNSM: 1, USNM: 5 [**6**].
Glauconycteris variegata (Tomes, 1861)
BMNH: 1, DNSM: 1, USNM: 1 [**3**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 16, BMNH: 1, BRTC: 1, CZL: 2, DNSM: 6, FMNH: 17, MCZ: 1, NHMZ: 4, SAMC: 1, SMF: 2, TM: 20, TTU: 1, USNM: 39, ZMB: 3 [**114**].
Hipposideros ruber (Noack, 1893)
DNSM: 5, FMNH: 9, USNM: 59 [**73**].
Hypsugo anchietae (Seabra, 1900)
NHMZ: 1 [**1**].
Kerivoula argentata Tomes, 1861
BMNH: 3, DNSM: 1, NHMZ: 1, TM: 1 [**6**].
Kerivoula lanosa (A. Smith, 1847)
DNSM: 1, TM: 1 [**2**].
Laephotis botswanae Setzer, 1971
MHNG: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
AMNH: 2, DNSM: 2, NHMZ: 6, SMF: 7, TM: 1, TTU: 1, ZMB: 2 [**21**].
Mimetillus thomasi Hinton, 1920
NHMZ: 1 [**1**].
Miniopterus Bonaparte, 1837
FMNH: 1 [**1**].

Miniopterus africanus Sanborn, 1936
FMNH: 24 [**24**].
Miniopterus fraterculus Thomas and Schwann, 1906
AMNH: 9, TTU: 2, USNM: 1 [**12**].
Miniopterus inflatus Thomas, 1903
DNSM: 4 [**4**].
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013
DNSM: 4, FMNH: 2 [**6**].
Miniopterus natalensis (A. Smith, 1833)
NHMZ: 1, NMR: 1, NMZL: 1, TM: 5, USNM: 45 [**53**].
MOLOSSIDAE Gervais, 1856
TM: 3 [**3**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 11, CZL: 1, DNSM: 10, FMNH: 17, NHMZ: 8, ROM: 9, TM: 35, USNM: 329 [**420**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
USNM: 2 [**2**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
ZMB: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
FMNH: 8 [**8**].
Myonycteris angolensis goliath (Bergmans, 1997)
DNSM: 3, NHMZ: 1 [**4**].
Myonycteris relicta Bergmans, 1980
DNSM: 1 [**1**].
Myotis bocagii (Peters, 1870)
DNSM: 4 [**4**].
Myotis tricolor (Temminck, 1832)
DNSM: 11 [**11**].
Neoromicia Roberts, 1926
USNM: 9 [**9**].
Neoromicia capensis (A. Smith, 1829)
DNSM: 1, NHMZ: 2, USNM: 1 [**4**].
Neoromicia nana (Peters, 1852)
BMNH: 8, CZL: 2, DNSM: 23, FMNH: 18, KM: 1, MNHN: 4, NHMZ: 9, NMW: 1, ROM: 12, TM: 4, USNM: 148, ZMB: 4 [**234**].
Neoromicia rendalli (Thomas, 1889)
DNSM: 1 [**1**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
BMNH: 1, USNM: 2 [**3**].
Neoromicia zuluensis (Roberts, 1924)
DNSM: 7, NHMZ: 2 [**9**].
Nycteris grandis Peters, 1865
DNSM: 1 [**1**].
Nycteris hispida (Schreber, 1774)
DNSM: 2, ZMB: 2, ZMH: 1 [**5**].
Nycteris macrotis Dobson, 1876
CZL: 2, DNSM: 4 [**6**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 6, BMNH: 11, CZL: 1, DNSM: 3, FMNH: 7, NHMZ: 5, RMNH: 1, ROM: 3, TM: 13, TTU: 1, USNM: 104, ZMB: 5 [**160**].
Nycteris vinsoni Dalquest, 1965
KU: 1 [**1**].
Nycteris woodi K. Andersen, 1914
USNM: 1 [**1**].
Nycticeinops schlieffenii (Peters, 1859)
DNSM: 9, NHMZ: 5, TM: 2, USNM: 6 [**22**].
Pipistrellus hesperidus (Temminck, 1840)
DNSM: 4 [**4**].
Pipistrellus rueppellii (Fischer, 1829)
ROM: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
DNSM: 1 [**1**].
Pteropus subniger (Kerr, 1792)
ZMB: 1 [**1**].
Rhinolophus Lacépède, 1799
FMNH: 3, USNM: 2 [**5**].
Rhinolophus blasii Peters, 1867
DNSM: 7, NHMZ: 1 [**8**].
Rhinolophus clivosus Cretzschmar, 1828
DNSM: 8, FMNH: 4, MSNG: 1, TM: 2 [**15**].
Rhinolophus darlingi K. Andersen, 1905
NHMZ: 1, USNM: 1 [**2**].
Rhinolophus deckenii Peters, 1868
DNSM: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
DNSM: 4, USNM: 3 [**7**].

Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018
DNSM: 11, TM: 1 [**12**].
Rhinolophus lobatus Peters, 1852
BMNH: 4, DNSM: 14, FMNH: 9, NHMZ: 4, ROM: 3, SMF: 1, TM: 11, TTU: 1, USNM: 25, ZMB: 4 [**76**].
Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
DNSM: 2 [**2**].
Rhinolophus maendeleo Kock, Csorba and Howell, 2000
DNSM: 2 [**2**].
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
DNSM: 5 [**5**].
Rhinolophus rhodesiae Roberts, 1946
DNSM: 7, FMNH: 20, USNM: 3 [**30**].
Rhinolophus simulator K. Andersen, 1904
DNSM: 1, NHMZ: 1, USNM: 5 [**7**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
AMNH: 11, BMNH: 1, FMNH: 19, NHMZ: 5, SMF: 1, USNM: 21 [**58**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
DNSM: 6, FMNH: 10, NHMZ: 1, SMF: 1, TM: 2 [**20**].
Sauromys petrophilus (Roberts, 1917)
DNSM: 3, TM: 4, USNM: 14 [**21**].
Scotoecus albigula Thomas, 1909
NHMZ: 1 [**1**].
Scotoecus albofuscus (Thomas, 1890)
NHMZ: 1 [**1**].
Scotoecus hindei Thomas, 1901
DNSM: 4, NHMZ: 1 [**5**].
Scotophilus Leach, 1821
BMNH: 3, TM: 2 [**5**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 13, DNSM: 6, NHMZ: 5, TM: 6, USNM: 2, ZMB: 1 [**33**].
Scotophilus leucogaster (Cretzschmar, 1826)
BMNH: 4, DNSM: 1 [**5**].
Scotophilus nigrita (Schreber, 1774)
KU: 1 [**1**].
Scotophilus viridis (Peters, 1852)
BMNH: 5, DNSM: 15, NHMZ: 5, ROM: 2, SAMC: 1, TM: 2, USNM: 22, ZMB: 1 [**53**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
DNSM: 2, NHMZ: 1, TM: 6, USNM: 2 [**11**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
USNM: 12 [**12**].
Tadarida fulminans (Thomas, 1903)
DNSM: 2, USNM: 7 [**9**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
MCZ: 1, NHMZ: 1, USNM: 3 [**5**].
Triaenops afer Peters, 1877
AMNH: 12, DNSM: 10, NHMZ: 7, ROM: 8, SMF: 3, TM: 23, TTU: 1, USNM: 56 [**120**].

Total Specimens for Mozambique: 2112

Namibia

Chaerephon Dobson, 1874
RMCA: 4 [**4**].
Chaerephon chapini J.A. Allen, 1917
BMNH: 1, SMW: 1 [**2**].
Chaerephon nigeriae Thomas, 1913
AMNH: 2, LACM: 3, SMW: 7, TM: 3 [**15**].
Chaerephon pumilus (Cretzschmar, 1826)
RMCA: 2, SMW: 11 [**13**].
Cistugo seabrae Thomas, 1912
BMNH: 2, LACM: 1, MCZ: 1, SMW: 5, TM: 16 [**25**].
Eidolon helvum (Kerr, 1792)
SMW: 9, ZMB: 6 [**15**].
Epomophorus Bennett, 1836
TM: 3 [**3**].
Epomophorus angolensis Gray, 1870
BMNH: 22, KM: 5, LACM: 1, SMW: 8, TM: 1, ZMB: 3 [**40**].
Epomophorus crypturus Peters, 1852
AMNH: 1, KM: 1, SMW: 1, TM: 8 [**11**].
Epomophorus wahlbergi (Sundevall, 1846)
TM: 3 [**3**].
Eptesicus Rafinesque, 1820
USNM: 1 [**1**].

Eptesicus hottentotus (A. Smith, 1833)
AMNH: 2, BRTC: 1, CM: 11, LACM: 5, NHMZ: 2, SMF: 1, SMW: 2, TM: 26, USNM: 3 [**53**].
Glauconycteris variegata (Tomes, 1861)
BMNH: 2, KM: 1, SMW: 1, ZMB: 1 [**5**].
HIPPOSIDERIDAE Lydekker, 1891
MNHN: 1 [**1**].
Hipposideros Gray, 1831
TM: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
DNSM: 1, FMNH: 25, KM: 3, LACM: 3, RMCA: 3, SMF: 1, SMW: 14, TM: 9, ZMB: 5 [**64**].
Hipposideros ruber (Noack, 1893)
RMCA: 1 [**1**].
Kerivoula argentata Tomes, 1861
BMNH: 1 [**1**].
Kerivoula lanosa (A. Smith, 1847)
SMW: 1 [**1**].
Laephotis botswanae Setzer, 1971
NMP: 1, SMW: 2 [**3**].
Laephotis namibensis Setzer, 1971
CM: 1, SMW: 1, TM: 6, USNM: 2 [**10**].
Macronycteris vittatus (Peters, 1852)
AMNH: 1, BMNH: 2, FMNH: 3, KM: 2, LACM: 1, MCZ: 1, MNHN: 2, QM: 2, SMF: 1, SMW: 6, TM: 5, ZMB: 3 [**29**].
Miniopterus inflatus Thomas, 1903
SMW: 2 [**2**].
Miniopterus natalensis (A. Smith, 1833)
BMNH: 11, KM: 4, LACM: 2, MNHN: 1, MVZ: 1, QM: 1, RMCA: 2, SMF: 7, SMW: 8, TM: 23, USNM: 1, ZMB: 1 [**62**].
MOLOSSIDAE Gervais, 1856
BMNH: 1, TM: 3 [**4**].
Mops (Mops) condylurus (A. Smith, 1833)
RMCA: 1 [**1**].
Mops (Mops) midas (Sundevall, 1843)
LACM: 1, RMCA: 1, SMW: 3, TM: 6, USNM: 1 [**12**].
Neoromicia capensis (A. Smith, 1829)
AMNH: 1, BMNH: 5, CM: 4, DNSM: 1, FMNH: 15, KM: 25, LACM: 7, MCZ: 1, MVZ: 14, NHMZ: 1, NMP: 1, SAMC: 1, SMF: 3, SMNS: 1, SMW: 7, TM: 27, USNM: 2, ZMB: 3 [**119**].
Neoromicia nana (Peters, 1852)
BMNH: 2, KM: 1, NHMZ: 1, NMP: 1, RMCA: 1, SMW: 2 [**8**].
Neoromicia zuluensis (Roberts, 1924)
AMNH: 1, CM: 3, KM: 8, LACM: 2, MCZ: 2, NHMZ: 11, NMP: 2, SMW: 5, TM: 5, ZFMK: 2 [**41**].
Nycteris G. Cuvier and E. Geoffroy, 1795
TM: 8 [**8**].
Nycteris hispida (Schreber, 1774)
KM: 1, TM: 1 [**2**].
Nycteris macrotis Dobson, 1876
ZMB: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 73, BRTC: 1, CAS: 14, DNSM: 2, FMNH: 33, KM: 41, LACM: 2, MCZ: 4, MNHN: 5, MVZ: 28, NMW: 3, RMCA: 3, ROM: 8, SMF: 3, SMNS: 5, SMW: 24, TM: 45, USNM: 16, ZFMK: 16, ZMB: 4, ZMH: 3 [**333**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 2, FMNH: 7, KM: 9, SMW: 3, TM: 1, USNM: 1 [**23**].
Pipistrellus Kaup, 1829
FMNH: 2, MSU: 1 [**3**].
Pipistrellus rueppellii (Fischer, 1829)
SMW: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
BMNH: 3, KM: 3, NMP: 5 [**11**].
Rhinolophus Lacépède, 1799
MCZ: 5, RMCA: 1 [**6**].
Rhinolophus capensis Lichtenstein, 1823
ZMB: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 1, FMNH: 1, TM: 2 [**4**].
Rhinolophus damarensis Roberts, 1946
BMNH: 3, LACM: 1, SMW: 11, TM: 14, ZMB: 4 [**33**].
Rhinolophus darlingi K. Andersen, 1905
SMF: 1 [**1**].
Rhinolophus denti Thomas, 1904
KM: 1, LACM: 3, ROM: 1, SMF: 1, SMW: 5, ZMB: 5 [**16**].
Rhinolophus fumigatus Rüppell, 1842
FMNH: 5, KM: 2, LACM: 1, MCZ: 2, MVZ: 9, SMW: 9, TM: 5, ZMB: 4 [**37**].
Sauromys petrophilus (Roberts, 1917)
BMNH: 1, BRTC: 1, KM: 54, LACM: 2, MSU: 2, NHMZ: 1, SAMC: 1, SMF: 1, SMW: 35, TM: 89, USNM: 7 [**194**].
Sauromys petrophilus erongensis (Roberts, 1946)
AMNH: 1, BMNH: 1, FMNH: 1, USNM: 3 [**6**].
Sauromys petrophilus haagneri (Roberts, 1917)
TM: 1 [**1**].

Scotophilus Leach, 1821
BMNH: 2, SMW: 18 [**20**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 9, FMNH: 6, KM: 5, SMF: 7, SMW: 35, TM: 1, USNM: 7, ZFMK: 8 [**78**].
Scotophilus leucogaster (Cretzschmar, 1826)
BMNH: 8, FMNH: 5, KM: 1, LACM: 6, MVZ: 1, NMR: 2, QM: 1, SMF: 1, SMW: 1, USNM: 3 [**29**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
AMNH: 2, CAS: 2, KM: 3, LACM: 83, MMK: 5, MSU: 3, QM: 1, SMF: 2, SMW: 38, TM: 55, USNM: 2 [**196**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
FMNH: 1, USNM: 11 [**12**].
Tadarida fulminans (Thomas, 1903)
TM: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 1, NHMZ: 1, SMW: 1 [**3**].
VESPERTILIONIDAE Gray, 1821
SMW: 1 [**1**].

Total Specimens for Namibia: 1571

Niger

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
BMNH: 2, MNHN: 3, RMCA: 65 [**70**].
Chaerephon major (Trouessart, 1897)
FMNH: 1, MVZ: 1 [**2**].
Chaerephon nigeriae Thomas, 1913
SMF: 8, UCM: 2 [**10**].
Chaerephon pumilus (Cretzschmar, 1826)
BRTC: 1, MNHN: 1, MVZ: 2, UCM: 2, USNM: 4 [**10**].
Eidolon helvum (Kerr, 1792)
MNHN: 2, SMF: 7, TTU: 2 [**11**].
Eidolon helvum helvum (Kerr, 1792)
MNHN: 3, MVZ: 1, ROM: 27 [**31**].
Epomophorus gambianus (Ogilby, 1835)
BRTC: 2, MNHN: 3, MVZ: 4, ROM: 4, SMF: 7, USNM: 3, ZMA: 1 [**24**].
Epomophorus gambianus gambianus (Ogilby, 1835)
MNHN: 1, UCM: 1 [**2**].
Epomops Gray, 1866
MNHN: 1 [**1**].
Hipposideros Gray, 1831
USNM: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
BRTC: 1, MNHN: 2, USNM: 1 [**4**].
Hipposideros ruber (Noack, 1893)
MVZ: 2, USNM: 2 [**4**].
Hipposideros tephrus (Cabrera, 1906)
MVZ: 11, UCM: 1 [**12**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
BRTC: 1, SMF: 1, UCM: 1 [**3**].
Macronycteris gigas (Wagner, 1845)
ROM: 1 [**1**].
Macronycteris vittatus (Peters, 1852)
ZMA: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
MVZ: 8, SMF: 2, UCM: 1 [**11**].
Mops (Mops) midas (Sundevall, 1843)
RMCA: 1 [**1**].
Myotis bocagii (Peters, 1870)
UCM: 1, USNM: 1 [**2**].
Neoromicia nana (Peters, 1852)
UCM: 1, USNM: 5 [**6**].
Neoromicia rendalli (Thomas, 1889)
BRTC: 1, MVZ: 1, ROM: 2, UCM: 1, USNM: 1 [**6**].
Nycteris macrotis Dobson, 1876
BRTC: 2, UCM: 1, USNM: 1 [**4**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 3, RMCA: 1, USNM: 1 [**5**].
Nycticeinops schlieffenii (Peters, 1859)
MNHN: 3 [**3**].
Otonycteris hemprichii Peters, 1859
BMNH: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
BRTC: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
ROM: 1 [**1**].

Rhinolophus fumigatus Rüppell, 1842
BRTC: 1, UCM: 1 [**2**].
Rhinopoma cystops Thomas, 1903
BMNH: 1, FMNH: 3, MNHN: 1, RMCA: 25 [**30**].
Rhinopoma microphyllum (Brünnich, 1782)
SMF: 1 [**1**].
Scotoecus albofuscus (Thomas, 1890)
ROM: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
BMNH: 1, MVZ: 10, RMCA: 4, ROM: 15, TTU: 1, UCM: 1, USNM: 1 [**33**].
Scotophilus nigrita (Schreber, 1774)
TTU: 17 [**17**].
Scotophilus viridis (Peters, 1852)
ROM: 1, USNM: 2 [**3**].
Tadarida Rafinesque, 1814
MVZ: 5 [**5**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
BMNH: 1 [**1**].
Taphozous nudiventris Cretzschmar, 1830
MNHN: 1 [**1**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
BRTC: 3, RMCA: 10 [**13**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
UCM: 1, USNM: 1 [**2**].
Vespertilioninae Gray, 1821
MNHN: 1 [**1**].

Total Specimens for Niger: 338

Nigeria

Chaerephon Dobson, 1874
BMNH: 1 [**1**].
Chaerephon ansorgei (Thomas, 1913)
SMNS: 2 [**2**].
Chaerephon leucogaster (A. Grandidier, 1869)
BMNH: 9, ROM: 8 [**17**].
Chaerephon major (Trouessart, 1897)
BMNH: 4, SMNS: 4, ZFMK: 4 [**12**].
Chaerephon nigeriae Thomas, 1913
BMNH: 21, SMF: 1 [**22**].
Chaerephon nigeriae nigeriae Thomas, 1913
BMNH: 1, USNM: 1 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
BMNH: 12, SMF: 44, USNM: 141, ZMA: 4 [**201**].
Coleura afra (Peters, 1852)
USNM: 43 [**43**].
Doryrhina cyclops (Temminck, 1853)
ROM: 2 [**2**].
Eidolon helvum (Kerr, 1792)
BMNH: 12, HNHM: 2, SMF: 3, USNM: 69, ZMA: 29 [**115**].
Eidolon helvum helvum (Kerr, 1792)
BMNH: 1, SMF: 1 [**2**].
Epomophorus Bennett, 1836
HNHM: 1, SMF: 3 [**4**].
Epomophorus gambianus (Ogilby, 1835)
BMNH: 11, HNHM: 1, HZM: 12, RMNH: 9, ROM: 4, SMF: 15, USNM: 145, WAM: 1, ZMA: 48, ZMB: 1, ZMUI: 16 [**263**].
Epomophorus gambianus gambianus (Ogilby, 1835)
AMNH: 2, FMNH: 5, RMNH: 1 [**8**].
Epomophorus minor Dobson, 1880
AMNH: 1 [**1**].
Epomops buettikoferi (Matschie, 1899)
BMNH: 1, HZM: 1, ZMA: 13 [**15**].
Epomops franqueti (Tomes, 1860)
AMNH: 3, BMNH: 14, FMNH: 12, MSB: 1, ROM: 18, SMNS: 1, USNM: 52, ZMA: 8, ZMB: 1 [**110**].
Eptesicus platyops (Thomas, 1901)
BMNH: 1 [**1**].
Glauconycteris beatrix Thomas, 1901
ROM: 1 [**1**].
Glauconycteris poensis (Gray, 1842)
AMNH: 1, BMNH: 1, FMNH: 5 [**7**].
Glauconycteris variegata (Tomes, 1861)
USNM: 3 [**3**].
Hipposideros Gray, 1831
USNM: 100 [**100**].

Hipposideros abae J.A. Allen, 1917
BMNH: 10, ROM: 3 [**13**].
Hipposideros beatus (K. Andersen, 1906)
BMNH: 1, ROM: 6, USNM: 1, ZMA: 2 [**10**].
Hipposideros caffer (Sundevall, 1846)
BMNH: 5, ROM: 17, SMF: 15, USNM: 122 [**159**].
Hipposideros jonesi Hayman, 1947
ROM: 7, USNM: 1 [**8**].
Hipposideros ruber (Noack, 1893)
BMNH: 8, FMNH: 12, ROM: 11, SMF: 3, SMNS: 2, USNM: 35, ZFMK: 3 [**74**].
Hipposideros tephrus (Cabrera, 1906)
BMNH: 1, USNM: 36 [**37**].
Hypsignathus monstrosus H. Allen, 1862
BMNH: 6, FMNH: 2, USNM: 4, ZMA: 2 [**14**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 1, ROM: 2 [**3**].
Kerivoula smithii Thomas, 1880
BMNH: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
BMNH: 5, HZM: 1, ROM: 1, USNM: 2, ZMA: 2 [**11**].
Macronycteris gigas (Wagner, 1845)
BMNH: 2, ROM: 2, ZMA: 1 [**5**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
ROM: 3, USNM: 2, ZMA: 1 [**6**].
Megaloglossus woermanni Pagenstecher, 1885
BMNH: 1, ROM: 3, USNM: 1, ZMA: 3 [**8**].
Micropteropus pusillus (Peters, 1868)
AMNH: 1, BMNH: 24, FMNH: 12, HNHM: 9, RMNH: 21, ROM: 6, SMF: 1, SMNS: 2, USNM: 90, WAM: 1, ZFMK: 1, ZMA: 100, ZMB: 4 [**272**].
Mimetillus moloneyi (Thomas, 1891)
BMNH: 2 [**2**].
Miniopterus fraterculus Thomas and Schwann, 1906
ROM: 3 [**3**].
Miniopterus inflatus Thomas, 1903
BMNH: 3, SMNS: 1 [**4**].
Mops (Mops) condylurus (A. Smith, 1833)
BMNH: 14, HNHM: 46, SMF: 32, USNM: 241 [**333**].
Mops (Mops) midas (Sundevall, 1843)
BMNH: 8 [**8**].
Mops (Mops) trevori J.A. Allen, 1917
ZMA: 2 [**2**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
BMNH: 8 [**8**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
BMNH: 4 [**4**].
Myonycteris angolensis (Bocage, 1898)
BMNH: 1, ROM: 6, USNM: 2, ZFMK: 1, ZMA: 5 [**15**].
Myonycteris angolensis angolensis (Bocage, 1898)
BMNH: 1 [**1**].
Myonycteris angolensis smithii (Thomas, 1908)
BMNH: 2, HZM: 3, ROM: 5, ZMUI: 1 [**11**].
Myonycteris torquata (Dobson, 1878)
BMNH: 1, ROM: 13, USNM: 4 [**18**].
Myopterus whitleyi (Scharff, 1900)
BMNH: 3, ROM: 1, USNM: 1 [**5**].
Myotis bocagii cupreolus Thomas, 1904
ZMA: 1 [**1**].
Myotis morrisi Hill, 1971
BMNH: 1 [**1**].
Myotis tricolor (Temminck, 1832)
ROM: 1 [**1**].
Nanonycteris veldkampii (Jentink, 1888)
BMNH: 3, ROM: 8, ZMA: 6, ZMUI: 1 [**18**].
Neoromicia brunnea (Thomas, 1880)
BMNH: 2 [**2**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 2, SMNS: 1 [**3**].
Neoromicia guineensis (Bocage, 1889)
BMNH: 2, ROM: 4, SMF: 1 [**7**].
Neoromicia nana (Peters, 1852)
AMNH: 1, BMNH: 11, FMNH: 9, HZM: 4, ROM: 12, USNM: 6, ZMA: 1, ZMUC: 2 [**46**].
Neoromicia rendalli (Thomas, 1889)
BMNH: 2, HZM: 3, USNM: 2 [**7**].
Neoromicia somalica (Thomas, 1901)
BMNH: 2, ROM: 7, USNM: 1, ZMA: 4 [**14**].

Neoromicia tenuipinnis (Peters, 1872)
BMNH: 2, USNM: 1 [**3**].
Nycteris G. Cuvier and E. Geoffroy, 1795
BMNH: 1 [**1**].
Nycteris arge Thomas, 1903
BMNH: 1 [**1**].
Nycteris gambiensis (K. Andersen, 1912)
BMNH: 2, USNM: 45 [**47**].
Nycteris grandis Peters, 1865
BMNH: 3, ROM: 1 [**4**].
Nycteris hispida (Schreber, 1774)
AMNH: 1, BMNH: 23, NMV: 1, ROM: 12, USNM: 32 [**69**].
Nycteris macrotis Dobson, 1876
BMNH: 4, ROM: 2, SMF: 4, USNM: 26 [**36**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 1, ROM: 2, USNM: 98, ZMA: 1 [**102**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 1, ROM: 1 [**2**].
Pipistrellus Kaup, 1829
MCZ: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
ROM: 1, SMNS: 2 [**3**].
Pipistrellus inexspectatus Aellen, 1959
ROM: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
ROM: 4 [**4**].
Pipistrellus rueppellii (Fischer, 1829)
MHNG: 1, USNM: 2, ZMA: 2 [**5**].
Pipistrellus rusticus (Tomes, 1861)
BMNH: 1, ROM: 3 [**4**].
Rhinolophus alcyone Temminck, 1853
BMNH: 1 [**1**].
Rhinolophus darlingi K. Andersen, 1905
BMNH: 2, HZM: 1, ROM: 7 [**10**].
Rhinolophus denti Thomas, 1904
ROM: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 6, ROM: 10, USNM: 2, ZMA: 3 [**21**].
Rhinolophus guineensis Eisentraut, 1960
BMNH: 1 [**1**].
Rhinolophus hildebrandtii Peters, 1878
ROM: 3 [**3**].
Rhinolophus hillorum Koopman, 1989
ROM: 1 [**1**].
Rhinolophus landeri Martin, 1838
BMNH: 2, MCZ: 1, ROM: 8, SMF: 3, USNM: 70, ZMA: 1 [**85**].
Rhinolophus simulator K. Andersen, 1904
BMNH: 3, ZFMK: 2 [**5**].
Rhinopoma microphyllum (Brünnich, 1782)
BMNH: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
ROM: 7, ZMA: 4 [**11**].
Saccolaimus peli (Temminck, 1853)
BMNH: 8, USNM: 5 [**13**].
Scotoecus albofuscus (Thomas, 1890)
BMNH: 1, ROM: 1 [**2**].
Scotoecus hindei Thomas, 1901
BMNH: 4, ROM: 2 [**6**].
Scotoecus hirundo (de Winton, 1899)
BMNH: 1, ZMA: 2 [**3**].
Scotonycteris zenkeri Matschie, 1894
BMNH: 1, ROM: 3, ZMA: 1 [**5**].
Scotophilus Leach, 1821
BMNH: 2 [**2**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 22, USNM: 29, ZMA: 13 [**64**].
Scotophilus leucogaster (Cretzschmar, 1826)
AMNH: 4, BMNH: 1, RMNH: 1, ROM: 7, SMF: 1, USNM: 46, ZMA: 2 [**62**].
Scotophilus nigrita (Schreber, 1774)
BMNH: 1, HZM: 1, USNM: 1, ZMA: 1 [**4**].
Scotophilus nux Thomas, 1904
USNM: 11 [**11**].
Scotophilus viridis (Peters, 1852)
BMNH: 7, ROM: 4, SMF: 1, ZMA: 2 [**14**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
BMNH: 2, SMNS: 2, ZFMK: 2 [**6**].

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
ROM: 1, SMF: 1, USNM: 1, ZMA: 1 [**4**].
Taphozous nudiventris Cretzschmar, 1830
BMNH: 3 [**3**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
BMNH: 2 [**2**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
BMNH: 1, USNM: 16 [**17**].

Total Specimens for Nigeria: 2708

Portugal

Nyctalus azoreum (Thomas, 1901)
MNHN: 1, USNM: 1 [**2**].

Total Specimens for Portugal: 2

Réunion

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)
ZMB: 1 [**1**].
Mormopterus acetabulosus acetabulosus (Hermann, 1804)
MCZ: 6, SMF: 2 [**8**].
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
FMNH: 65, MNHN: 88, ROM: 1, UADBA: 29, UMMZ: 7, ZMB: 3 [**193**].
Neoromicia nana (Peters, 1852)
MNHN: 1 [**1**].
Pteropus Erxleben, 1777
MNHN: 2 [**2**].
Pteropus niger (Kerr, 1792)
MNHN: 1 [**1**].
Pteropus subniger (Kerr, 1792)
ZMB: 3 [**3**].
Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803)
RMNH: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
MNHN: 3 [**3**].

Total Specimens for Réunion: 213

Rwanda

Chaerephon ansorgei (Thomas, 1913)
RBINS: 1, RMCA: 11 [**12**].
Chaerephon chapini J.A. Allen, 1917
RBINS: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
INPBC: 6, MHNG: 5, RMCA: 964, SMF: 7 [**982**].
Eidolon helvum (Kerr, 1792)
MHNG: 4, RBINS: 6, RMCA: 36, ZMB: 16 [**62**].
Epomophorus Bennett, 1836
RMNH: 1 [**1**].
Epomophorus dobsonii Bocage, 1889
RBINS: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
AMNH: 2, MHNG: 7, RBINS: 15, RMCA: 276, ZMA: 2, ZMZ: 11 [**313**].
Epomophorus wahlbergi (Sundevall, 1846)
RMCA: 1 [**1**].
Epomops franqueti (Tomes, 1860)
RMCA: 2 [**2**].
Glauconycteris argentata (Dobson, 1875)
RMCA: 3, ZMB: 1 [**4**].
Hipposideros caffer (Sundevall, 1846)
ZMB: 1 [**1**].
Hipposideros ruber (Noack, 1893)
BMNH: 1, INPBC: 3, MHNG: 4, RBINS: 1, RMCA: 65, SMF: 4 [**78**].
Hypsugo cf. eisentrauti Hill, 1968
SMF: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
MHNG: 2, RBINS: 4, RMCA: 7, ZMB: 1 [**14**].
Macronycteris vittatus (Peters, 1852)
RMCA: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
RMCA: 1 [**1**].

Miniopterus fraterculus Thomas and Schwann, 1906
RMCA: 18 [**18**].
Miniopterus inflatus Thomas, 1903
BMNH: 7, RBINS: 2, RMCA: 74 [**83**].
Mops (Mops) condylurus (A. Smith, 1833)
BMNH: 1, INPBC: 60, MHNG: 2, RBINS: 45, RMCA: 295, SMF: 2 [**405**].
Mops (Mops) demonstrator (Thomas, 1903)
RMCA: 1 [**1**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
RMCA: 103 [**103**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
BMNH: 4 [**4**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
MHNG: 1, RBINS: 25 [**26**].
Myonycteris angolensis (Bocage, 1898)
MHNG: 2, RMCA: 86 [**88**].
Myotis bocagii (Peters, 1870)
INPBC: 15, RBINS: 1, RMCA: 10 [**26**].
Myotis tricolor (Temminck, 1832)
RMCA: 5 [**5**].
Myotis welwitschii (Gray, 1866)
RMCA: 2 [**2**].
Neoromicia Roberts, 1926
ZMA: 2 [**2**].
Neoromicia nana (Peters, 1852)
INPBC: 143, MHNG: 1, RBINS: 20, RMCA: 97, ZMA: 2 [**263**].
Neoromicia somalica (Thomas, 1901)
RMCA: 2 [**2**].
Neoromicia tenuipinnis (Peters, 1872)
RBINS: 2, RMCA: 3, ZMA: 4 [**9**].
Neoromicia zuluensis (Roberts, 1924)
ZMZ: 1 [**1**].
Nycteris hispida (Schreber, 1774)
MHNG: 1, RMCA: 10, ZMA: 1 [**12**].
Nycteris macrotis Dobson, 1876
BMNH: 6, MHNG: 2, RBINS: 20, RMCA: 39 [**67**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
INPBC: 12, RBINS: 3, RMCA: 6 [**21**].
Otomops Thomas, 1913
RMCA: 1 [**1**].
Otomops martiensseni (Matschie, 1897)
SMF: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
RMCA: 3 [**3**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 1, MHNG: 2, RBINS: 9, RMCA: 336, SMF: 5 [**353**].
Rhinolophus eloquens K. Andersen, 1905
RMCA: 5 [**5**].
Rhinolophus fumigatus Rüppell, 1842
INPBC: 32, RMCA: 1, ZMA: 1 [**34**].
Rhinolophus hilli Aellen, 1973
RMCA: 1, ZMZ: 1 [**2**].
Rhinolophus lobatus Peters, 1852
INPBC: 1 [**1**].
Rhinolophus ruwenzorii J. Eric Hill, 1942
RMCA: 2 [**2**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
MHNG: 3, RBINS: 2, RMCA: 117, SMF: 3, ZMA: 14 [**139**].
Scotophilus dinganii (A. Smith, 1833)
MHNG: 5, RMCA: 31 [**36**].
Stenonycteris lanosus (Thomas, 1906)
BMNH: 4, RBINS: 2, RMCA: 34, SMF: 1 [**41**].
Tadarida fulminans (Thomas, 1903)
RBINS: 1, RMCA: 17 [**18**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
RBINS: 2, RMCA: 3 [**5**].

Total Specimens for Rwanda: 3254

São Tomé and Principé

Chaerephon tomensis (Juste and Ibáñez, 1993)
EBD: 3 [**3**].
Eidolon helvum (Kerr, 1792)
BMNH: 9, CAS: 6, EBD: 2, MNHN: 3, USNM: 1 [**21**].

Eidolon helvum helvum (Kerr, 1792)
RMNH: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
ZMB: 1 [**1**].
Hipposideros fuliginosus (Temminck, 1853)
MNHN: 1 [**1**].
Hipposideros ruber (Noack, 1893)
AMNH: 2, CAS: 54, EBD: 2, ZMB: 6 [**64**].
Macronycteris gigas (Wagner, 1845)
BMNH: 3 [**3**].
Macronycteris vittatus (Peters, 1852)
MNHN: 1, SMF: 3 [**4**].
Miniopterus minor Peters, 1867
CAS: 10, MNHN: 1 [**11**].
Miniopterus newtoni Bocage, 1889
EBD: 1 [**1**].
Myonycteris brachycephala (Bocage, 1889)
MLZA: 1, SMNS: 2 [**3**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
CAS: 2, SMTD: 1 [**3**].

Total Specimens for São Tomé and Principé: 116

Saudi Arabia

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
CAS: 1 [**1**].
Rhinolophus clivosus Cretzschmar, 1828
SMF: 1 [**1**].

Total Specimens for Saudi Arabia: 2

Senegal

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
MNHN: 9, USNM: 84 [**93**].
Chaerephon pumilus (Cretzschmar, 1826)
FMNH: 6, MNHN: 17, SMF: 1, USNM: 3, ZMB: 2 [**29**].
CHIROPTERA Blumenbach, 1779
ZMB: 1 [**1**].
Doryrhina cyclops (Temminck, 1853)
IVB: 3 [**3**].
Eidolon helvum (Kerr, 1792)
BMNH: 2, FMNH: 29, MNHN: 2, RMNH: 2, USNM: 4, ZMA: 1 [**40**].
Eidolon helvum helvum (Kerr, 1792)
RBINS: 1, USNM: 73 [**74**].
Epomophorus Bennett, 1836
MNHN: 14 [**14**].
Epomophorus gambianus (Ogilby, 1835)
BMNH: 1, FMNH: 10, MNHN: 15, RBINS: 1, USNM: 16, ZFMK: 3, ZMB: 4 [**50**].
Epomophorus gambianus gambianus (Ogilby, 1835)
FMNH: 4 [**4**].
Epomops buettikoferi (Matschie, 1899)
MCZ: 1 [**1**].
Eptesicus Rafinesque, 1820
FMNH: 4 [**4**].
Eptesicus platyops (Thomas, 1901)
RBINS: 1 [**1**].
Glauconycteris poensis (Gray, 1842)
MNHN: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
IVB: 1, MNHN: 2 [**3**].
Hipposideros abae J.A. Allen, 1917
IVB: 2 [**2**].
Hipposideros beatus (K. Andersen, 1906)
MNHN: 1, USNM: 5 [**6**].
Hipposideros caffer (Sundevall, 1846)
BMNH: 1, IVB: 3, MCZ: 1, MNHN: 86, SMF: 1, USNM: 9 [**101**].
Hipposideros fuliginosus (Temminck, 1853)
MNHN: 1 [**1**].
Hipposideros jonesi Hayman, 1947
IVB: 3 [**3**].
Hipposideros ruber (Noack, 1893)
BMNH: 1, IVB: 14, MNHN: 77, RMCA: 1, SMF: 1, USNM: 18 [**112**].

Hipposideros tephrus (Cabrera, 1906)
IVB: 5, MNHN: 14, USNM: 34 [**53**].
Kerivoula argentata Tomes, 1861
MHNG: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
MNHN: 7, RMCA: 1, ZMB: 1 [**9**].
Macronycteris gigas (Wagner, 1845)
FMNH: 4 [**4**].
Macronycteris vittatus (Peters, 1852)
IVB: 3, MNHN: 2 [**5**].
Micropteropus pusillus (Peters, 1868)
FMNH: 44, MNHN: 8 [**52**].
Mops (Mops) condylurus (A. Smith, 1833)
BMNH: 1, MNHN: 19, USNM: 109 [**129**].
Mops (Mops) midas (Sundevall, 1843)
BMNH: 1, MNHN: 2 [**3**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
USNM: 1 [**1**].
Myonycteris angolensis (Bocage, 1898)
MNHN: 2 [**2**].
Myopterus daubentonii Desmarest, 1820
USNM: 1 [**1**].
Myotis bocagii (Peters, 1870)
IVB: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
IVB: 1 [**1**].
Neoromicia guineensis (Bocage, 1889)
FMNH: 1, MHNG: 2, RMCA: 1 [**4**].
Neoromicia nana (Peters, 1852)
IVB: 98, MNHN: 7, RBINS: 9, RMCA: 3, SMF: 1, USNM: 1 [**119**].
Neoromicia rendalli (Thomas, 1889)
IVB: 2 [**2**].
Neoromicia somalica (Thomas, 1901)
IVB: 93 [**93**].
Neoromicia tenuipinnis (Peters, 1872)
FMNH: 2 [**2**].
Nycteris G. Cuvier and E. Geoffroy, 1795
FMNH: 3 [**3**].
Nycteris gambiensis (K. Andersen, 1912)
BMNH: 2, FMNH: 38, MHNG: 1, MNHN: 35, USNM: 61, ZFMK: 2 [**139**].
Nycteris hispida (Schreber, 1774)
BMNH: 4, FMNH: 2, MNHN: 19, RMCA: 1, USNM: 23, ZFMK: 8 [**57**].
Nycteris macrotis Dobson, 1876
MHNG: 1, MNHN: 49, NMW: 6, RBINS: 3, USNM: 81, ZFMK: 10 [**150**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 1, MCZ: 2, MHNG: 1, MNHN: 45, ZFMK: 10 [**59**].
Nycticeinops schlieffenii (Peters, 1859)
IVB: 8, MNHN: 1, USNM: 1, ZMB: 8 [**18**].
Pipistrellus Kaup, 1829
MCZ: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
IVB: 6, MHNG: 1 [**7**].
Pipistrellus nanulus Thomas, 1904
MHNG: 1, MNHN: 1 [**2**].
Pipistrellus rueppellii (Fischer, 1829)
IVB: 2 [**2**].
Pipistrellus rueppellii senegalensis Dorst, 1960
MNHN: 3 [**3**].
Pipistrellus rusticus (Tomes, 1861)
MHNG: 2, MNHN: 1, SMF: 1 [**4**].
PTEROPODIDAE Gray, 1821
MNHN: 1 [**1**].
Rhinolophus Lacépède, 1799
ZMB: 1 [**1**].
Rhinolophus alcyone Temminck, 1853
IVB: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 4, IVB: 2, MNHN: 2, USNM: 77 [**85**].
Rhinolophus landeri Martin, 1838
IVB: 2, USNM: 56 [**58**].
Rhinopoma cystops Thomas, 1903
MNHN: 6 [**6**].
Rhinopoma microphyllum (Brünnich, 1782)
MNHN: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
FMNH: 3, MNHN: 5, RBINS: 1 [**9**].

Scotoecus hirundo (de Winton, 1899)
FMNH: 1, IVB: 1, MNHN: 3 [**5**].
Scotophilus Leach, 1821
MNHN: 2 [**2**].
Scotophilus dinganii (A. Smith, 1833)
FMNH: 1, ZMB: 24 [**25**].
Scotophilus leucogaster (Cretzschmar, 1826)
MNHN: 4, RBINS: 9, SMF: 1, USNM: 24 [**38**].
Scotophilus nigrita (Schreber, 1774)
FMNH: 8, IVB: 2, MNHN: 1, MVZ: 1 [**12**].
Scotophilus viridis (Peters, 1852)
BMNH: 1, FMNH: 1, RBINS: 1, SMF: 1 [**4**].
Taphozous E. Geoffroy St.-Hilaire, 1818
ZMB: 14 [**14**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
FMNH: 1, MNHN: 1 [**2**].
Taphozous nudiventris Cretzschmar, 1830
MNHN: 1 [**1**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
BMNH: 1, MNHN: 15 [**16**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
MNHN: 1, USNM: 38 [**39**].
Vespertilioninae Gray, 1821
ZMB: 1 [**1**].

Total Specimens for Senegal: 1791

Seychelles

Chaerephon pumilus (Cretzschmar, 1826)
FMNH: 2, USNM: 1 [**3**].
Chaerephon pusillus (Miller, 1902)
BMNH: 9, SMF: 2, USNM: 2 [**13**].
Coleura seychellensis Peters, 1868
BMNH: 32, MNHN: 6, ZMB: 2 [**40**].
Paratriaenops pauliani (Goodman and Ranivo, 2008)
BMNH: 3, CUMZ: 2, FMNH: 1 [**6**].
Pteropus Erxleben, 1777
MNHN: 1 [**1**].
Pteropus aldabrensis True, 1893
BMNH: 1, MNHN: 1, USNM: 6 [**8**].
Pteropus seychellensis A. Milne-Edwards, 1877
AMNH: 1, BMNH: 18, MNHN: 7, RMCA: 2, RMNH: 3, SMF: 8, USNM: 5, ZMA: 3 [**47**].

Total Specimens for Seychelles: 118

Sierra Leone

Chaerephon Dobson, 1874
BMNH: 2 [**2**].
Chaerephon bemmeleni (Jentink, 1879)
USNM: 1 [**1**].
Chaerephon leucogaster (A. Grandidier, 1869)
ROM: 1 [**1**].
Chaerephon nigeriae nigeriae Thomas, 1913
USNM: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
USNM: 15 [**15**].
Doryrhina cyclops (Temminck, 1853)
USNM: 3 [**3**].
Eidolon helvum (Kerr, 1792)
BMNH: 11, MCZ: 2, ROM: 5, USNM: 4, ZMH: 1 [**23**].
Eidolon helvum helvum (Kerr, 1792)
ROM: 5 [**5**].
Epomophorus gambianus (Ogilby, 1835)
BMNH: 8, MSU: 1, ROM: 14, USNM: 1 [**24**].
Epomophorus gambianus gambianus (Ogilby, 1835)
ROM: 5 [**5**].
Epomops buettikoferi (Matschie, 1899)
BMNH: 18, HZM: 1, NMW: 1 [**20**].
Epomops franqueti (Tomes, 1860)
MCZ: 1, ROM: 8, USNM: 71 [**80**].
Glauconycteris poensis (Gray, 1842)
AMNH: 1, BMNH: 30, ROM: 2, USNM: 2 [**35**].

Hipposideros abae J.A. Allen, 1917
BMNH: 4, ROM: 2, USNM: 11 [**17**].
Hipposideros caffer (Sundevall, 1846)
USNM: 9 [**9**].
Hipposideros fuliginosus (Temminck, 1853)
USNM: 2 [**2**].
Hipposideros jonesi Hayman, 1947
BMNH: 9 [**9**].
Hipposideros ruber (Noack, 1893)
BMNH: 6, ROM: 1, USNM: 72 [**79**].
Hipposideros tephrus (Cabrera, 1906)
USNM: 8 [**8**].
Hypsignathus monstrosus H. Allen, 1862
ROM: 2, USNM: 1 [**3**].
Hypsugo musciculus (Thomas, 1913)
BMNH: 1, USNM: 1 [**2**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
USNM: 1 [**1**].
Macronycteris gigas (Wagner, 1845)
USNM: 1 [**1**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
USNM: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
BMNH: 12, ROM: 9, USNM: 15 [**36**].
Mimetillus moloneyi (Thomas, 1891)
BMNH: 2, HZM: 1, ROM: 4, USNM: 3 [**10**].
Miniopterus inflatus Thomas, 1903
USNM: 6 [**6**].
Mops (Mops) condylurus (A. Smith, 1833)
BMNH: 11, USNM: 20 [**31**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
BMNH: 65, ROM: 17, USNM: 2 [**84**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
BMNH: 12 [**12**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
USNM: 1 [**1**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
BMNH: 9, ROM: 6, USNM: 10 [**25**].
Myonycteris angolensis (Bocage, 1898)
ROM: 11, USNM: 1 [**12**].
Myonycteris angolensis smithii (Thomas, 1908)
BMNH: 3 [**3**].
Myonycteris leptodon K. Andersen, 1908
BMNH: 1 [**1**].
Myotis bocagii cupreolus Thomas, 1904
USNM: 3 [**3**].
Nanonycteris veldkampii (Jentink, 1888)
BMNH: 1 [**1**].
Neoromicia brunnea (Thomas, 1880)
USNM: 3 [**3**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 2 [**2**].
Neoromicia nana (Peters, 1852)
BMNH: 2, NMBE: 4, ROM: 3, USNM: 18 [**27**].
Neoromicia rendalli (Thomas, 1889)
DNSM: 1, USNM: 2 [**3**].
Neoromicia somalica (Thomas, 1901)
USNM: 4 [**4**].
Neoromicia tenuipinnis (Peters, 1872)
BMNH: 2, ROM: 1, USNM: 5 [**8**].
Nycteris arge Thomas, 1903
BMNH: 2, USNM: 1 [**3**].
Nycteris grandis Peters, 1865
USNM: 1 [**1**].
Nycteris hispida (Schreber, 1774)
BMNH: 9, MNHN: 1, NMBE: 2, ROM: 2, USNM: 1 [**15**].
Nycteris macrotis Dobson, 1876
BMNH: 15, ROM: 1, USNM: 3, ZMA: 1 [**20**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 2, ROM: 18 [**20**].
Pipistrellus Kaup, 1829
ROM: 1 [**1**].
Pipistrellus inexspectatus Aellen, 1959
USNM: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
BMNH: 2, USNM: 6 [**8**].

Rhinolophus alcyone Temminck, 1853
USNM: 21 [**21**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 4 [**4**].
Rhinolophus landeri Martin, 1838
BMNH: 18, ROM: 2 [**20**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
BMNH: 6, BRTC: 1, ROM: 4, USNM: 64 [**75**].
Scotoecus albofuscus (Thomas, 1890)
BMNH: 1, USNM: 2 [**3**].
Scotoecus hirundo (de Winton, 1899)
BMNH: 2 [**2**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 3, RMCA: 2, ROM: 2, ZFMK: 1 [**8**].
Scotophilus leucogaster (Cretzschmar, 1826)
BMNH: 2, USNM: 1 [**3**].
Scotophilus nux Thomas, 1904
USNM: 1 [**1**].
Scotophilus viridis (Peters, 1852)
USNM: 2 [**2**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 2 [**2**].

Total Specimens for Sierra Leone: 830

Somalia

Asellia italosomalica de Beaux, 1931
MSNG: 1 [**1**].
Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
USNM: 7 [**7**].
Cardioderma cor (Peters, 1872)
AMNH: 1, BMNH: 3, BRTC: 1, CAS: 8, TTU: 1, USNM: 2 [**16**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 20, BRTC: 1 [**21**].
CHIROPTERA Blumenbach, 1779
ZMB: 2 [**2**].
Coleura afra (Peters, 1852)
AMNH: 15, BMNH: 15, BRTC: 1, TTU: 1, ZMB: 24 [**56**].
Epomophorus labiatus (Temminck, 1837)
TTU: 1, ZMB: 1 [**2**].
Epomophorus minimus Claessen & De Vree, 1991
BMNH: 1, CM: 93, MZUF: 13 [**107**].
Epomophorus minor Dobson, 1880
BMNH: 2, BRTC: 1 [**3**].
Epomophorus wahlbergi (Sundevall, 1846)
BMNH: 5, CM: 55, MZUF: 5, TTU: 1, USNM: 1 [**67**].
Glauconycteris variegata (Tomes, 1861)
ZMB: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 12, BMNH: 3, ZMB: 19 [**34**].
Hypsugo cf. eisentrauti Hill, 1968
BMNH: 3 [**3**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
BMNH: 3, MNHN: 2, TM: 6, USNM: 3, ZMB: 3 [**17**].
Macronycteris vittatus (Peters, 1852)
BMNH: 1, BRTC: 1 [**2**].
Miniopterus africanus Sanborn, 1936
BMNH: 2 [**2**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 3, BRTC: 1 [**4**].
Neoromicia Roberts, 1926
BMNH: 1 [**1**].
Neoromicia helios (Heller, 1912)
CM: 9, MZUF: 1 [**10**].
Neoromicia nana (Peters, 1852)
ZMB: 1 [**1**].
Neoromicia rendalli (Thomas, 1889)
CM: 13, ZMB: 4 [**17**].
Neoromicia somalica (Thomas, 1901)
BMNH: 1, BRTC: 1, CM: 15 [**17**].
Neoromicia tenuipinnis (Peters, 1872)
MZUF: 2 [**2**].
Nycteris G. Cuvier and E. Geoffroy, 1795
MCZ: 1 [**1**].

Nycteris aurita (K. Andersen, 1912)
BMNH: 1, MZUF: 6 [**7**].
Nycteris hispida (Schreber, 1774)
MZUF: 2, USNM: 1 [**3**].
Nycteris macrotis Dobson, 1876
BMNH: 3, MSNM: 1 [**4**].
Nycteris parisii (de Beaux, 1924)
BMNH: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 2, BMNH: 12, MNHN: 4, MSNM: 7, MZUF: 6, ZMB: 1 [**32**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 7, BRTC: 1 [**8**].
Pipistrellus hesperidus (Temminck, 1840)
CM: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
MZUF: 1 [**1**].
Rhinolophus Lacépède, 1799
BMNH: 2 [**2**].
Rhinolophus blasii Peters, 1867
BMNH: 1, MNHN: 1 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 2 [**2**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 2, MNHN: 4 [**6**].
Rhinopoma cystops Thomas, 1903
MZUF: 10 [**10**].
Rhinopoma macinnesi Hayman, 1937
MZUF: 15 [**15**].
Scotoecus albigula Thomas, 1909
BMNH: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 2, BRTC: 1, ROM: 1, ZMB: 2 [**6**].
Tadarida Rafinesque, 1814
CAS: 1 [**1**].
Taphozous nudiventris Cretzschmar, 1830
BMNH: 2 [**2**].
Triaenops Dobson, 1871
BMNH: 1 [**1**].
Triaenops afer Peters, 1877
BMNH: 1, BRTC: 1, MSNG: 1, MZUF: 10, TTU: 1 [**14**].

Total Specimens for Somalia: 513

South Africa

Chaerephon ansorgei (Thomas, 1913)
AMNH: 4, TM: 17 [**21**].
Chaerephon nigeriae Thomas, 1913
DNSM: 2, NM: 1, TM: 2 [**5**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 15, BMNH: 10, DNSM: 323, FMNH: 17, HNHM: 9, KM: 2, KNP: 17, KU: 6, MNHN: 12, MVZ: 2, ROM: 56, SMF: 2, TM: 462, USNM: 88, WAM: 2, ZMA: 2 [**1025**].
CHIROPTERA Blumenbach, 1779
MCZ: 1, NHMZ: 1, SAMC: 4, SRSITE: 1, TM: 3 [**10**].
Cistugo lesueuri Roberts, 1919
AMNH: 1, DNSM: 2, KM: 14, MMK: 1, NMB: 16, SAMC: 2, TM: 11 [**47**].
Cistugo seabrae Thomas, 1912
KM: 13, MMK: 1, TM: 3, USNM: 1 [**18**].
Cloeotis percivali Thomas, 1901
BRTC: 1, DNSM: 25, FMNH: 1, LACM: 2, ROM: 2, TM: 22, USNM: 1 [**54**].
Eidolon helvum (Kerr, 1792)
DNSM: 2, MMK: 3, NMB: 9, ROM: 1, SAMC: 2, TM: 7 [**24**].
Epomophorus Bennett, 1836
DNSM: 1, FMNH: 1, ZMA: 8 [**10**].
Epomophorus crypturus Peters, 1852
AMNH: 2, BMNH: 1, CM: 3, KNP: 10, TM: 71, USNM: 1, YPM: 1, ZMB: 2 [**91**].
Epomophorus labiatus (Temminck, 1837)
AMNH: 1 [**1**].
Epomophorus wahlbergi (Sundevall, 1846)
AMNH: 14, BMNH: 6, CM: 8, CUMV: 1, DNSM: 146, FMNH: 36, HNHM: 2, HZM: 8, KM: 29, KNP: 5, KU: 2, MCZ: 7, MSB: 1, MVZ: 4, NMB: 1, NRM: 2, ROM: 3, SAMC: 4, SMNS: 5, TM: 92, TTU: 2, USNM: 14, WNMU: 14, ZMA: 153, ZMB: 3 [**562**].
Eptesicus hottentotus (A. Smith, 1833)
BMNH: 1, CM: 4, DNSM: 8, KM: 12, KNP: 1, MMK: 8, NMB: 1, RMNH: 1, SAMC: 5, TM: 29, USNM: 2, ZMA: 3 [**75**].

Glauconycteris Dobson, 1875
USNM: 1 [**1**].
Glauconycteris variegata (Tomes, 1861)
AMNH: 1, BMNH: 1, DNSM: 4, KM: 1, KNP: 2, KU: 1, ROM: 1, SNP: 2, TM: 19 [**32**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 24, BMNH: 2, DNSM: 108, KM: 5, KNP: 15, KU: 6, MCZ: 1, ROM: 5, SAMC: 2, TM: 191, TTU: 1, USNM: 4, ZMB: 2 [**366**].
Hypsugo anchietae (Seabra, 1900)
DNSM: 18, TM: 5 [**23**].
Kerivoula argentata Tomes, 1861
AMNH: 1, DNSM: 2, FMNH: 1, KM: 1, KNP: 1, KU: 1, SNP: 1, TM: 7 [**15**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 4, DNSM: 2, HZM: 1, KM: 4, NHMZ: 1, NM: 1, SAMC: 5, TM: 8 [**26**].
Laephotis botswanae Setzer, 1971
DNSM: 4, TM: 7 [**11**].
Laephotis namibensis Setzer, 1971
SAMC: 2, TM: 2 [**4**].
Laephotis wintoni Thomas, 1901
NMB: 2 [**2**].
Macronycteris vittatus (Peters, 1852)
KNP: 1, TM: 5 [**6**].
Miniopterus Bonaparte, 1837
BMNH: 1, MNHN: 1 [**2**].
Miniopterus fraterculus Thomas and Schwann, 1906
AMNH: 5, BMNH: 2, BRTC: 1, DNSM: 35, HZM: 1, KM: 4, KU: 4, SAMC: 1, SMF: 2, TM: 60, USNM: 14 [**129**].
Miniopterus inflatus Thomas, 1903
DNSM: 5 [**5**].
Miniopterus natalensis (A. Smith, 1833)
AMNH: 9, BMNH: 11, BRTC: 4, DNSM: 195, FMNH: 22, KM: 12, KNP: 13, MCZ: 17, MMK: 6, MNHN: 1, MSB: 1, MVZ: 23, NHMZ: 1, NMB: 145, RMNH: 1, ROM: 31, SAMC: 4, SMF: 3, TM: 443, TTU: 1, USNM: 176, ZMA: 10, ZMB: 1 [**1130**].
MOLOSSIDAE Gervais, 1856
TM: 8 [**8**].
Mops Lesson, 1842
MNHN: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 8, BMNH: 9, BRTC: 1, DNSM: 101, FMNH: 1, HNHM: 1, KM: 2, KNP: 13, KU: 6, MNHN: 11, ROM: 11, TM: 320, USNM: 3, WAM: 7 [**494**].
Mops (Mops) midas (Sundevall, 1843)
DNSM: 9, KNP: 5, TM: 46, USNM: 10 [**70**].
Mormopterus acetabulosus (Hermann, 1804)
MNHN: 1 [**1**].
Myotis bocagii (Peters, 1870)
DNSM: 8, KNP: 1, SNP: 1, TM: 18 [**28**].
Myotis bocagii bocagii (Peters, 1870)
AMNH: 1 [**1**].
Myotis tricolor (Temminck, 1832)
AMNH: 11, BMNH: 1, BRTC: 3, DNSM: 28, FMNH: 4, KM: 5, KNP: 1, MMK: 1, NHMZ: 1, NMB: 10, ROM: 3, SAMC: 3, TM: 133, USNM: 5 [**209**].
Myotis welwitschii (Gray, 1866)
BMNH: 1, DNSM: 2, KNP: 3, NMB: 1, SNP: 3, TM: 9 [**19**].
Neoromicia Roberts, 1926
BMNH: 1, DNSM: 1, KNP: 2, ROM: 1 [**5**].
Neoromicia capensis (A. Smith, 1829)
AMNH: 25, BMNH: 38, BRTC: 1, CM: 70, DNSM: 149, FMNH: 2, HZM: 5, KM: 87, KNP: 6, KU: 1, MCZ: 10, MMK: 14, MNHN: 3, MVZ: 7, MZUF: 1, NHMZ: 2, NM: 3, NMB: 285, NMP: 1, RMCA: 1, ROM: 11, SAMC: 9, SMF: 5, TM: 846, USNM: 106, ZMA: 18, ZMB: 11 [**1717**].
Neoromicia helios (Heller, 1912)
SNP: 1, TM: 5 [**6**].
Neoromicia nana (Peters, 1852)
AMNH: 6, BMNH: 19, CM: 7, DNSM: 108, HZM: 1, KM: 3, KNP: 6, KU: 7, MCZ: 1, MNHN: 3, NM: 1, ROM: 6, SAMC: 1, SMF: 1, TM: 245, USNM: 37, YPM: 1 [**453**].
Neoromicia rendalli (Thomas, 1889)
DNSM: 6 [**6**].
Neoromicia somalica (Thomas, 1901)
AMNH: 2, LACM: 2, MHNG: 1 [**5**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
CM: 2, TM: 22 [**24**].
Neoromicia zuluensis (Roberts, 1924)
CM: 7, DNSM: 7, FMNH: 5, KNP: 1, NHMZ: 1, NMP: 1, ROM: 1, TM: 50 [**73**].
Nycteris G. Cuvier and E. Geoffroy, 1795
TM: 1 [**1**].
Nycteris hispida (Schreber, 1774)
BMNH: 1, DNSM: 4, KM: 2, KU: 1, MSNG: 1, SAMC: 1 [**10**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818

AMNH: 8, BMNH: 24, BRTC: 4, CM: 1, DNSM: 86, FMNH: 5, KM: 21, KNP: 13, KU: 3, MCZ: 3, MMK: 20, MNHN: 3, MVZ: 9, NHMZ: 1, NM: 1, NMB: 5, NMW: 3, OSU: 1, RBINS: 1, RMNH: 1, ROM: 4, SAMC: 2, SMF: 3, TM: 254, TTU: 2, USNM: 27, ZFMK: 3, ZMA: 2, ZMB: 2 [**512**].

Nycteris woodi K. Andersen, 1914
TM: 9 [**9**].

Nycticeinops schlieffenii (Peters, 1859)
AMNH: 15, DNSM: 5, FMNH: 7, KNP: 8, SAMC: 1, TM: 302, ZMA: 1 [**339**].

Otomops martiensseni (Matschie, 1897)
BMNH: 1, DNSM: 80, HZM: 3, KZNM: 2, TM: 24 [**110**].

Otomops martiensseni icarus Chubb, 1917
AMNH: 2 [**2**].

Pipistrellus Kaup, 1829
NMB: 1, ROM: 1, USNM: 2 [**4**].

Pipistrellus hesperidus (Temminck, 1840)
BMNH: 5, CM: 6, DNSM: 108, KM: 2, KNP: 2, TM: 48 [**171**].

Pipistrellus hesperidus broomi Roberts, 1948
KU: 3 [**3**].

Pipistrellus rueppellii (Fischer, 1829)
AMNH: 1, CM: 1, MMK: 1, TM: 9 [**12**].

Pipistrellus rueppellii vernayi Roberts, 1932
AMNH: 1 [**1**].

Pipistrellus rusticus (Tomes, 1861)
AMNH: 12, BMNH: 3, CM: 28, DNSM: 17, KM: 1, KNP: 3, NHMZ: 1, SNP: 1, TM: 359, USNM: 1 [**426**].

Rhinolophus Lacépède, 1799
AMNH: 6, DNSM: 3, KM: 1, TM: 70, ZMA: 2, ZMB: 1 [**83**].

Rhinolophus blasii Peters, 1867
DNSM: 1, FMNH: 1, ROM: 10, TM: 64 [**76**].

Rhinolophus capensis Lichtenstein, 1823
AMNH: 1, BMNH: 8, DNSM: 1, HZM: 1, KM: 9, KU: 1, MCZ: 10, MNHN: 8, MVZ: 2, NHMZ: 4, NRM: 1, SAMC: 2, SMF: 8, TM: 38, TTU: 2, USNM: 6, ZMA: 1, ZMB: 1 [**104**].

Rhinolophus clivosus Cretzschmar, 1828
AMNH: 34, BMNH: 8, BRTC: 3, DNSM: 70, FMNH: 21, KM: 19, KNP: 1, MMK: 11, MNHN: 2, MSNG: 3, MVZ: 56, NHMZ: 3, NMB: 118, NMW: 7, RMCA: 2, ROM: 31, SAMC: 5, SMF: 5, TM: 321, TTU: 1, USNM: 223, ZMA: 3, ZMB: 4 [**951**].

Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
DNSM: 12, TM: 2 [**14**].

Rhinolophus damarensis Roberts, 1946
DNSM: 3, KM: 1, MMK: 14, NMB: 1, TM: 20, USNM: 14 [**53**].

Rhinolophus darlingi K. Andersen, 1905
AMNH: 8, BMNH: 1, DNSM: 13, KNP: 9, ROM: 5, TM: 100, USNM: 7, ZMB: 1 [**144**].

Rhinolophus denti Thomas, 1904
BMNH: 1, DNSM: 5, MMK: 2, NMB: 18, TM: 121, USNM: 4, ZMA: 1 [**152**].

Rhinolophus fumigatus Rüppell, 1842
KNP: 4, TM: 17 [**21**].

Rhinolophus lobatus Peters, 1852
FMNH: 1, KNP: 4, TM: 5, ZMB: 1 [**11**].

Rhinolophus rhodesiae Roberts, 1946
DNSM: 3, KNP: 2, TM: 7 [**12**].

Rhinolophus simulator K. Andersen, 1904
AMNH: 13, DNSM: 33, FMNH: 3, KM: 3, KNP: 1, KU: 1, LACM: 1, ROM: 31, SMF: 10, TM: 196, TTU: 4, USNM: 7 [**303**].

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
DNSM: 4, KNP: 8, MVZ: 1, ROM: 1, TM: 58, USNM: 18 [**90**].

Rhinolophus swinnyi Gough, 1908
AMNH: 5, DNSM: 18, KM: 2, NHMZ: 1, SAMC: 1, TM: 23, USNM: 1 [**51**].

Rousettus Gray, 1821
MCZ: 1 [**1**].

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
AMNH: 3, BMNH: 22, DNSM: 16, KM: 9, KNP: 5, KU: 4, MCZ: 2, MSB: 1, NHMZ: 2, RMNH: 2, SAMC: 2, SMF: 11, SMNS: 2, SNP: 2, TM: 278, ZMA: 15, ZMB: 3 [**379**].

Rousettus obliviosus Kock, 1978
ZMB: 1 [**1**].

Sauromys petrophilus (Roberts, 1917)
CM: 1, KM: 20, MCZ: 1, MMK: 14, TM: 91, USNM: 4 [**131**].

Sauromys petrophilus haagneri (Roberts, 1917)
USNM: 9 [**9**].

Sauromys petrophilus umbratus (Shortridge & Carter, 1938)
KM: 1 [**1**].

Scotoecus albofuscus (Thomas, 1890)
DNSM: 2 [**2**].

Scotophilus Leach, 1821
SAMC: 2, TM: 161 [**163**].

Scotophilus dinganii (A. Smith, 1833)
AMNH: 21, BMNH: 8, CM: 3, DNSM: 122, FMNH: 7, KM: 7, KNP: 12, KU: 11, MCZ: 2, MMK: 1, MNHN: 4, NMB: 1, NRM: 2, RMNH: 1, ROM: 19, SAMC: 4, SMF: 1, TM: 409, USNM: 11, ZMA: 1 [**647**].

Scotophilus leucogaster (Cretzschmar, 1826)
KM: 1, TM: 9 [**10**].

Scotophilus nigrita (Schreber, 1774)
AMNH: 1, DNSM: 1, SNP: 1, TM: 1 [**4**].
Scotophilus viridis (Peters, 1852)
AMNH: 15, DNSM: 18, FMNH: 2, KM: 2, KNP: 7, NHMZ: 3, TM: 105, USNM: 4, WAM: 1 [**157**].
Tadarida Rafinesque, 1814
BMNH: 1, ZMA: 1 [**2**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
AMNH: 1, BMNH: 9, BRTC: 1, DNSM: 30, KM: 17, MCZ: 4, MMK: 3, MSB: 1, NHMZ: 2, NM: 6, NMB: 95, RMNH: 1, ROM: 18, SAMC: 3, TM: 245, USNM: 13 [**449**].
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
AMNH: 2, KU: 3 [**5**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
AMNH: 4, MCZ: 3, USNM: 14, ZMA: 2 [**23**].
Tadarida fulminans (Thomas, 1903)
KNP: 1, TM: 3 [**4**].
Tadarida ventralis (Heuglin, 1861)
BMNH: 1, DNSM: 1 [**2**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
AMNH: 3, DNSM: 19, FMNH: 4, KM: 1, KNP: 4, KU: 1, NHMZ: 1, RMCA: 2, SAMC: 1, TM: 49, USNM: 1 [**86**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
DNSM: 2 [**2**].
VESPERTILIONIDAE Gray, 1821
SAMC: 7, TM: 1 [**8**].
Vespertilioninae Gray, 1821
BMNH: 2, SAMC: 3, TM: 4 [**9**].

Total Specimens for South Africa: 12575

South Sudan

Cardioderma cor (Peters, 1872)
AMNH: 1, FMNH: 20, USNM: 2 [**23**].
Chaerephon Dobson, 1874
USNM: 5, ZMA: 1 [**6**].
Chaerephon ansorgei (Thomas, 1913)
FMNH: 3 [**3**].
Chaerephon bemmeleni (Jentink, 1879)
BMNH: 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
FMNH: 8 [**8**].
Chaerephon chapini J.A. Allen, 1917
ROM: 7 [**7**].
Chaerephon major (Trouessart, 1897)
AMNH: 1, FMNH: 10, MSU: 37, RBINS: 1, USNM: 1, ZMA: 1 [**51**].
Chaerephon nigeriae Thomas, 1913
ROM: 8 [**8**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 15, FMNH: 72, MSU: 7, ROM: 1, USNM: 26 [**121**].
Coleura afra (Peters, 1852)
AMNH: 1, BMNH: 3, FMNH: 30, USNM: 6 [**40**].
Doryrhina cyclops (Temminck, 1853)
FMNH: 3 [**3**].
Eidolon helvum (Kerr, 1792)
FMNH: 20, ROM: 1, USNM: 6, ZIUE: 1 [**28**].
Epomophorus Bennett, 1836
USNM: 22 [**22**].
Epomophorus gambianus (Ogilby, 1835)
SMNS: 2, USNM: 5 [**7**].
Epomophorus labiatus (Temminck, 1837)
AMNH: 1, BMNH: 4, FMNH: 53, MSU: 33, SMNS: 21, USNM: 115 [**227**].
Epomophorus wahlbergi (Sundevall, 1846)
SMNS: 2 [**2**].
Epomops franqueti (Tomes, 1860)
FMNH: 1, SMNS: 6, USNM: 11 [**18**].
Glauconycteris Dobson, 1875
USNM: 6 [**6**].
Glauconycteris argentata (Dobson, 1875)
ROM: 1 [**1**].
Glauconycteris beatrix Thomas, 1901
USNM: 1 [**1**].
Glauconycteris poensis (Gray, 1842)
USNM: 7 [**7**].
Glauconycteris superba Hayman, 1939
USNM: 4 [**4**].

Glauconycteris variegata (Tomes, 1861)
MSU: 3, ROM: 3, USNM: 25 [**31**].
Hipposideros Gray, 1831
USNM: 46 [**46**].
Hipposideros abae J.A. Allen, 1917
FMNH: 6 [**6**].
Hipposideros caffer (Sundevall, 1846)
USNM: 32, ZMB: 13 [**45**].
Hipposideros ruber (Noack, 1893)
FMNH: 36, MCZ: 2, USNM: 83 [**121**].
Hipposideros tephrus (Cabrera, 1906)
FMNH: 17 [**17**].
Hypsignathus monstrosus H. Allen, 1862
FMNH: 3, USNM: 2 [**5**].
Hypsugo anchietae (Seabra, 1900)
USNM: 1 [**1**].
Hypsugo crassulus (Thomas, 1904)
FMNH: 1 [**1**].
Kerivoula eriophora (Heuglin, 1877)
SMF: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
AMNH: 19, BMNH: 1, FMNH: 48, ROM: 1, USNM: 45, ZMA: 1, ZMB: 4 [**119**].
Micropteropus pusillus (Peters, 1868)
AMNH: 1, BMNH: 2, FMNH: 42, MSU: 9, ROM: 1, SMNS: 21, USNM: 33 [**109**].
Mimetillus moloneyi (Thomas, 1891)
FMNH: 3, ROM: 2 [**5**].
Miniopterus Bonaparte, 1837
USNM: 4 [**4**].
Miniopterus natalensis (A. Smith, 1833)
FMNH: 12, USNM: 3 [**15**].
MOLOSSIDAE Gervais, 1856
USNM: 108 [**108**].
Mops (Mops) Lesson, 1842
ZMA: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 2, BMNH: 1, MSU: 6, ROM: 3 [**12**].
Mops (Mops) demonstrator (Thomas, 1903)
AMNH: 16, BMNH: 1, FMNH: 30, USNM: 1 [**48**].
Mops (Mops) midas (Sundevall, 1843)
BMNH: 1, ROM: 1 [**2**].
Mops (Mops) midas midas (Sundevall, 1843)
AMNH: 6 [**6**].
Mops (Mops) trevori J.A. Allen, 1917
BMNH: 70, ROM: 1 [**71**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
BMNH: 10, ROM: 5 [**15**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
FMNH: 28, SMNS: 3 [**31**].
Myotis welwitschii (Gray, 1866)
SMNS: 1 [**1**].
Neoromicia Roberts, 1926
USNM: 30 [**30**].
Neoromicia capensis (A. Smith, 1829)
FMNH: 4, MSU: 6 [**10**].
Neoromicia guineensis (Bocage, 1889)
FMNH: 8, SMF: 1 [**9**].
Neoromicia helios (Heller, 1912)
AMNH: 4, FMNH: 60, ROM: 1 [**65**].
Neoromicia nana (Peters, 1852)
FMNH: 30, USNM: 1, ZMUC: 3 [**34**].
Neoromicia rendalli (Thomas, 1889)
AMNH: 15, BMNH: 2, ROM: 2, USNM: 2, ZFMK: 1 [**22**].
Neoromicia somalica (Thomas, 1901)
FMNH: 14, MSU: 14, ROM: 4, SMF: 1, USNM: 6 [**39**].
Neoromicia tenuipinnis (Peters, 1872)
ROM: 5, USNM: 1 [**6**].
Neoromicia zuluensis (Roberts, 1924)
FMNH: 1, ROM: 1, USNM: 1 [**3**].
Nycteris G. Cuvier and E. Geoffroy, 1795
SAMA: 1, USNM: 30 [**31**].
Nycteris arge Thomas, 1903
FMNH: 1, SMNS: 2 [**3**].
Nycteris aurita (K. Andersen, 1912)
USNM: 2 [**2**].
Nycteris hispida (Schreber, 1774)
AMNH: 31, BMNH: 15, FMNH: 40, KM: 2, NMW: 17, ROM: 5, USNM: 10, ZFMK: 2, ZMUC: 13 [**135**].

Nycteris macrotis Dobson, 1876
FMNH: 9, SMNS: 7, USNM: 5, ZMUC: 1 [**22**].
Nycteris nana (K. Andersen, 1912)
FMNH: 1, SMNS: 2 [**3**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 1, FMNH: 44, MSU: 1, RBINS: 1, SMNS: 3, ZMUC: 20 [**70**].
Pipistrellus hesperidus (Temminck, 1840)
ROM: 5 [**5**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
FMNH: 9 [**9**].
Pipistrellus rueppellii (Fischer, 1829)
HZM: 1, MSU: 2, ROM: 1 [**4**].
Pipistrellus rueppellii fuscipes Thomas, 1913
AMNH: 3, FMNH: 6 [**9**].
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)
FMNH: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
FMNH: 6 [**6**].
Platymops setiger macmillani Thomas, 1906
BMNH: 2 [**2**].
Platymops setiger setiger (Peters, 1878)
FMNH: 6 [**6**].
Rhinolophus Lacépède, 1799
USNM: 24 [**24**].
Rhinolophus clivosus Cretzschmar, 1828
FMNH: 17 [**17**].
Rhinolophus denti Thomas, 1904
USNM: 5 [**5**].
Rhinolophus eloquens K. Andersen, 1905
FMNH: 39, USNM: 5 [**44**].
Rhinolophus fumigatus Rüppell, 1842
FMNH: 7, RBINS: 1, USNM: 4 [**12**].
Rhinolophus hildebrandtii Peters, 1878
FMNH: 7 [**7**].
Rhinolophus landeri Martin, 1838
FMNH: 33, USNM: 1 [**34**].
Rhinolophus simulator K. Andersen, 1904
FMNH: 1, USNM: 2 [**3**].
Rhinopoma cystops Thomas, 1903
HZM: 1 [**1**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
FMNH: 28, SMNS: 1, USNM: 1 [**30**].
Scotoecus Thomas, 1901
USNM: 22 [**22**].
Scotoecus hindei Thomas, 1901
AMNH: 1, BMNH: 12, FMNH: 2 [**15**].
Scotoecus hirundo (de Winton, 1899)
BMNH: 12, MSU: 1, ROM: 5, USNM: 2 [**20**].
Scotophilus Leach, 1821
MSU: 2, USNM: 45 [**47**].
Scotophilus dinganii (A. Smith, 1833)
ROM: 1 [**1**].
Scotophilus leucogaster (Cretzschmar, 1826)
AMNH: 10, FMNH: 11, ROM: 1 [**22**].
Scotophilus nigrita (Schreber, 1774)
MSU: 62 [**62**].
Scotophilus viridis (Peters, 1852)
ROM: 6, USNM: 2 [**8**].
Stenonycteris lanosus (Thomas, 1906)
SMNS: 11 [**11**].
Tadarida Rafinesque, 1814
AMNH: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
NMW: 2 [**2**].
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
FMNH: 18 [**18**].
Tadarida ventralis (Heuglin, 1861)
FMNH: 5 [**5**].
Taphozous E. Geoffroy St.-Hilaire, 1818
USNM: 2 [**2**].
Taphozous hamiltoni Thomas, 1920
BMNH: 1, FMNH: 24, USNM: 1 [**26**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
AMNH: 1, BMNH: 19, FMNH: 11, SMF: 3, USNM: 5, ZMB: 1 [**40**].
Taphozous nudiventris Cretzschmar, 1830
FMNH: 5 [**5**].

Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
AMNH: 1, FMNH: 77 [**78**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
USNM: 10 [**10**].
Taphozous perforatus sudani Thomas, 1915
BMNH: 1 [**1**].
VESPERTILIONOIDEA Gray, 1821
USNM: 20 [**20**].

Total Specimens for South Sudan: 2534

Spain

Barbastella barbastellus (Schreber, 1774)
EBD: 2, MNH: 3 [**5**].
Hypsugo savii (Bonaparte, 1837)
BMNH: 1, MNCN: 1 [**2**].
Pipistrellus maderensis (Dobson, 1878)
SMF: 1 [**1**].
Pipistrellus pipistrellus (Schreber, 1774)
MNHN: 1 [**1**].

Total Specimens for Spain: 9

Sudan

Asellia Gray, 1838
BMNH: 6 [**6**].
Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
BMNH: 3, FMNH: 1, MNHN: 1, ROM: 3, USNM: 2 [**10**].
Cardioderma cor (Peters, 1872)
FMNH: 1 [**1**].
Chaerephon major (Trouessart, 1897)
BMNH: 3, MSU: 1, SMF: 16 [**20**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 1, BMNH: 13, FMNH: 9, MCZ: 4, ROM: 3, SMF: 53, USNM: 5 [**88**].
Coleura afra (Peters, 1852)
AMNH: 32, BMNH: 13, SMF: 133, WAM: 1 [**179**].
Eidolon helvum (Kerr, 1792)
BMNH: 7, FMNH: 6, MSU: 1, NMV: 1, RBINS: 1, ROM: 2, SMF: 27, ZMA: 1, ZMB: 4 [**50**].
Eidolon helvum helvum (Kerr, 1792)
AMNH: 5, BMNH: 1 [**6**].
Epomophorus gambianus (Ogilby, 1835)
SMF: 2 [**2**].
Epomophorus labiatus (Temminck, 1837)
BMNH: 3, FMNH: 4, MCZ: 3, MNHN: 1, RMNH: 1, ROM: 2, SMF: 24, SMNS: 6 [**44**].
Epomophorus minor Dobson, 1880
BMNH: 2 [**2**].
Eptesicus Rafinesque, 1820
MCZ: 1 [**1**].
Eptesicus floweri (de Winton, 1901)
AMNH: 2, BMNH: 7, SMF: 1 [**10**].
Glauconycteris variegata (Tomes, 1861)
BMNH: 1, ZMA: 1 [**2**].
Hipposideros ruber (Noack, 1893)
SMF: 1 [**1**].
Hipposideros tephrus (Cabrera, 1906)
BMNH: 11, FMNH: 3, SMF: 17, USNM: 1 [**32**].
Hypsugo ariel (Thomas, 1904)
BMNH: 3 [**3**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
AMNH: 16, BMNH: 15, FMNH: 7, MCZ: 5, MNHN: 3, ROM: 3, SMF: 29, USNM: 1, ZMB: 7 [**86**].
Macronycteris vittatus (Peters, 1852)
ZMB: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
ROM: 1, SMF: 7, SMNS: 11 [**19**].
Miniopterus natalensis (A. Smith, 1833)
ZFMK: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
BMNH: 3, MNHN: 2, SMF: 5 [**10**].
Mops (Mops) demonstrator (Thomas, 1903)
BMNH: 3, FMNH: 1, MCZ: 3, SMF: 1 [**8**].
Mops (Mops) midas (Sundevall, 1843)
BMNH: 3, FMNH: 6, MCZ: 1, ROM: 32, SMF: 2, ZMB: 1 [**45**].

Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
FMNH: 5 [**5**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 1 [**1**].
Neoromicia guineensis (Bocage, 1889)
NMW: 1, SMF: 1 [**2**].
Neoromicia nana (Peters, 1852)
SMF: 3 [**3**].
Neoromicia rendalli (Thomas, 1889)
BMNH: 4, FMNH: 1, MCZ: 4 [**9**].
Neoromicia somalica (Thomas, 1901)
MCZ: 1, MNHN: 2, SMF: 1 [**4**].
Nycteris G. Cuvier and E. Geoffroy, 1795
BMNH: 2 [**2**].
Nycteris hispida (Schreber, 1774)
BMNH: 5, NMW: 12, ROM: 4, SMF: 32, ZMB: 1 [**54**].
Nycteris macrotis Dobson, 1876
BMNH: 5, FMNH: 1, NMW: 6, ROM: 10, SMF: 1 [**23**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 13, NMW: 3, SMF: 5, ZMUC: 1 [**22**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 2, FMNH: 1, SMF: 13, USNM: 1, ZMB: 1 [**18**].
Otonycteris hemprichii Peters, 1859
NMW: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
MCZ: 1 [**1**].
Pipistrellus kuhlii (Kuhl, 1817)
BMNH: 1, MHNG: 3, RBINS: 1 [**5**].
Pipistrellus rueppellii (Fischer, 1829)
BMNH: 6, MHNG: 1, NMW: 1, ROM: 1, SMF: 3, USNM: 9, ZFMK: 4, ZMA: 11 [**36**].
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)
AMNH: 1, FMNH: 6 [**7**].
Pipistrellus rusticus (Tomes, 1861)
BMNH: 2, SMF: 2 [**4**].
Plecotus christii Gray, 1838
BMNH: 1, NMP: 1 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 2, MCZ: 1, MSNG: 1, ROM: 1 [**5**].
Rhinolophus eloquens K. Andersen, 1905
BMNH: 1 [**1**].
Rhinolophus hildebrandtii Peters, 1878
BMNH: 1 [**1**].
Rhinolophus hipposideros (Bechstein, 1800)
BMNH: 1 [**1**].
Rhinolophus landeri Martin, 1838
BMNH: 13, FMNH: 3, MCZ: 14, SMF: 24, ZMA: 5 [**59**].
Rhinopoma cystops Thomas, 1903
BMNH: 13, FMNH: 6, HZM: 7, ROM: 33, SMF: 37, USNM: 1, ZMB: 3 [**100**].
Rhinopoma microphyllum (Brünnich, 1782)
BMNH: 6, HZM: 2, ROM: 48, SMF: 7, ZMB: 2 [**65**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
SMNS: 1 [**1**].
Scotoecus hirundo (de Winton, 1899)
MCZ: 1 [**1**].
Scotophilus Leach, 1821
MNHN: 1, MSU: 3, ZMA: 1 [**5**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 2, ZMA: 3 [**5**].
Scotophilus leucogaster (Cretzschmar, 1826)
BMNH: 6, FMNH: 5, MCZ: 6, RMNH: 2, ROM: 1, SMF: 86 [**106**].
Scotophilus nigrita (Schreber, 1774)
MSU: 2, SMF: 4 [**6**].
Scotophilus viridis (Peters, 1852)
FMNH: 1 [**1**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
MNHN: 2 [**2**].
Tadarida teniotis (Rafinesque, 1814)
SMF: 1 [**1**].
Taphozous E. Geoffroy St.-Hilaire, 1818
BMNH: 1 [**1**].
Taphozous hamiltoni Thomas, 1920
BMNH: 1 [**1**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 1, MNHN: 1, SMF: 2 [**4**].
Taphozous nudiventris Cretzschmar, 1830
BMNH: 13, FMNH: 3, IVB: 1, MNHN: 2, NMP: 2, ROM: 56, SMF: 30, USNM: 1 [**108**].

Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
AMNH: 3, BMNH: 12, FMNH: 1, SMF: 14, ZMB: 1 [**31**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
MCZ: 1, MNHN: 1, ROM: 10, USNM: 1 [**13**].
VESPERTILIONIDAE Gray, 1821
MNHN: 1 [**1**].

Total Specimens for Sudan: 1345

Swaziland

Chaerephon pumilus (Cretzschmar, 1826)
BMNH: 2, DNSM: 27, FMNH: 1, ROM: 9, TM: 19 [**58**].
Cloeotis percivali Thomas, 1901
DNSM: 3, TM: 3 [**6**].
Epomophorus crypturus Peters, 1852
DNSM: 1, TM: 1 [**2**].
Epomophorus wahlbergi (Sundevall, 1846)
DNSM: 5, ROM: 8, TM: 12 [**25**].
Hipposideros caffer (Sundevall, 1846)
BMNH: 2, DNSM: 5, NMB: 5, TM: 4 [**16**].
Hypsugo anchietae (Seabra, 1900)
DNSM: 5, TM: 2 [**7**].
Kerivoula lanosa (A. Smith, 1847)
DNSM: 3 [**3**].
Miniopterus fraterculus Thomas and Schwann, 1906
DNSM: 4, TM: 2 [**6**].
Miniopterus natalensis (A. Smith, 1833)
DNSM: 13, TM: 2 [**15**].
Mops (Mops) condylurus (A. Smith, 1833)
BMNH: 3, DNSM: 4, MCZ: 2, ROM: 32, TM: 15 [**56**].
Myotis bocagii (Peters, 1870)
DNSM: 2 [**2**].
Myotis tricolor (Temminck, 1832)
DNSM: 2, TM: 1 [**3**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 3, DNSM: 5, NMB: 2, ROM: 1, TM: 19 [**30**].
Neoromicia nana (Peters, 1852)
BMNH: 1, DNSM: 9, NMB: 7, ROM: 11, TM: 1 [**29**].
Neoromicia somalica (Thomas, 1901)
BMNH: 1 [**1**].
Neoromicia zuluensis (Roberts, 1924)
DNSM: 2, TM: 2 [**4**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 3, DNSM: 6, TM: 5 [**14**].
Nycticeinops schlieffenii (Peters, 1859)
DNSM: 4, TM: 2 [**6**].
Pipistrellus hesperidus (Temminck, 1840)
DNSM: 9, TM: 7 [**16**].
Rhinolophus Lacépède, 1799
DNSM: 1 [**1**].
Rhinolophus blasii Peters, 1867
DNSM: 2 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 2, DNSM: 5, TM: 6 [**13**].
Rhinolophus darlingi K. Andersen, 1905
DNSM: 4, ROM: 2, TM: 3 [**9**].
Rhinolophus simulator K. Andersen, 1904
DNSM: 6, TM: 2 [**8**].
Scotophilus dinganii (A. Smith, 1833)
DNSM: 4, NMB: 4, TM: 4 [**12**].
Scotophilus viridis (Peters, 1852)
DNSM: 1, TM: 1 [**2**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
BMNH: 1, TM: 3 [**4**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
DNSM: 1 [**1**].

Total Specimens for Swaziland: 351

Tanzania

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
MNHN: 1 [**1**].

Cardioderma cor (Peters, 1872)
BMNH: 8, FMNH: 6, MCZ: 1, MNHN: 6, ROM: 14, SMF: 6, TM: 4, USNM: 1, YPM: 1 [**47**].
Chaerephon Dobson, 1874
ZMA: 34 [**34**].
Chaerephon bemmeleni (Jentink, 1879)
AMNH: 1, BMNH: 1, SMF: 1 [**3**].
Chaerephon bivittatus (Heuglin, 1861)
SMF: 3, ZMB: 3 [**6**].
Chaerephon leucogaster (A. Grandidier, 1869)
FMNH: 31 [**31**].
Chaerephon major (Trouessart, 1897)
BMNH: 9, MCZ: 2 [**11**].
Chaerephon nigeriae Thomas, 1913
BMNH: 2, SMF: 2 [**4**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 20, BMNH: 96, FMNH: 41, HNHM: 19, KU: 12, MCZ: 26, MNHN: 7, RMCA: 11, RMNH: 33, ROM: 84, SMF: 71, USNM: 8, WAM: 1, YPM: 1, ZMB: 16 [**446**].
Chaerephon pusillus (Miller, 1902)
FMNH: 1 [**1**].
CHIROPTERA Blumenbach, 1779
MCZ: 1, RMCA: 14, ZMB: 2 [**17**].
Coleura Peters, 1867
ZMA: 2 [**2**].
Coleura afra (Peters, 1852)
BMNH: 4, CAS: 2, FMNH: 80, MCZ: 46, MNHN: 1, NMK: 6, SMF: 11, TM: 3, USNM: 1, WAM: 4, ZMA: 13, ZMB: 3 [**174**].
Doryrhina cyclops (Temminck, 1853)
FMNH: 3, SMF: 3 [**6**].
Eidolon helvum (Kerr, 1792)
BMNH: 23, BRTC: 1, FMNH: 7, MCZ: 11, MNHN: 13, SMF: 7, USNM: 2, ZMB: 6 [**70**].
Eidolon helvum helvum (Kerr, 1792)
CAWM: 1, MNHN: 2, RMNH: 2, ROM: 3 [**8**].
Epomophorus Bennett, 1836
BMNH: 1, FMNH: 22, MCZ: 2, RMNH: 16, YPM: 1 [**42**].
Epomophorus crypturus Peters, 1852
BMNH: 1, HZM: 15, NMW: 1 [**17**].
Epomophorus dobsonii Bocage, 1889
SMF: 2, ZMB: 1 [**3**].
Epomophorus gambianus (Ogilby, 1835)
SMF: 1 [**1**].
Epomophorus gambianus gambianus (Ogilby, 1835)
RMNH: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
BMNH: 21, CM: 1, FMNH: 7, HNHM: 7, HZM: 20, LACM: 7, LNK: 12, MCZ: 27, MNHN: 3, NHMZ: 1, NMBE: 2, NMW: 2, RBINS: 2, RMCA: 1, RMNH: 39, ROM: 23, SMF: 17, SMNS: 6, USNM: 3, ZFMK: 8, ZMA: 52, ZMB: 18 [**279**].
Epomophorus minimus Claessen & De Vree, 1991
BMNH: 2 [**2**].
Epomophorus minor Dobson, 1880
AMNH: 5, BMNH: 16, FMNH: 5, HZM: 1, LACM: 6, RBINS: 1, ROM: 11, SMF: 11, USNM: 2, ZMA: 2 [**60**].
Epomophorus wahlbergi (Sundevall, 1846)
AMNH: 5, AMS: 1, BMNH: 22, FMNH: 68, HNHM: 4, HZM: 6, LACM: 14, MCZ: 8, MNHN: 1, NMW: 3, RBINS: 2, RMCA: 9, RMNH: 2, ROM: 23, SMF: 86, SMNS: 17, TM: 2, USNM: 7, YPM: 3, ZFMK: 15, ZMB: 46, ZMZ: 8 [**352**].
Epomops franqueti (Tomes, 1860)
BMNH: 1, FMNH: 10, MSU: 1, ROM: 1, ZMB: 1 [**14**].
Eptesicus Rafinesque, 1820
HZM: 3 [**3**].
Glauconycteris argentata (Dobson, 1875)
AMNH: 11, BMNH: 19, FMNH: 17, MCZ: 7, ROM: 2, SMF: 7, USNM: 3 [**66**].
Glauconycteris gleni Peterson and Smith, 1973
FMNH: 6 [**6**].
Glauconycteris humeralis J.A. Allen, 1917
FMNH: 11 [**11**].
Glauconycteris poensis (Gray, 1842)
AMNH: 3, FMNH: 9 [**12**].
Glauconycteris variegata (Tomes, 1861)
BMNH: 10, FMNH: 2, MCZ: 1, SMF: 7, ZFMK: 1, ZMB: 3 [**24**].
Hipposideros Gray, 1831
FMNH: 5 [**5**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 4, BMNH: 53, CAS: 10, FMNH: 124, KU: 2, MCZ: 31, MNHN: 6, NMP: 3, ROM: 27, SMF: 23, TM: 7, USNM: 4, ZMB: 21 [**315**].
Hipposideros fuliginosus (Temminck, 1853)
ZMB: 1 [**1**].
Hipposideros ruber (Noack, 1893)
AMNH: 4, BMNH: 52, BRTC: 1, FMNH: 13, KU: 1, MCZ: 6, MNHN: 3, SMF: 65, TM: 4, TTU: 2, USNM: 649, WAM: 2, ZMA: 5, ZMB: 6 [**813**].

Kerivoula Gray, 1842
CAWM: 2 [**2**].
Kerivoula africana Dobson, 1878
SMF: 2, ZMB: 1 [**3**].
Kerivoula argentata Tomes, 1861
BMNH: 3, NMW: 1, SMF: 3, ZMB: 3 [**10**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 2 [**2**].
Kerivoula smithii Thomas, 1880
ZMB: 1 [**1**].
Laephotis botswanae Setzer, 1971
NMW: 1 [**1**].
Laephotis wintoni Thomas, 1901
FMNH: 1, SMF: 1, ZMB: 1 [**3**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
AMNH: 5, BMNH: 12, FMNH: 9, HNHM: 1, MCZ: 11, MNHN: 4, RMNH: 7, ROM: 5, SMF: 12, TM: 1, USNM: 1, YPM: 5, ZMA: 3, ZMB: 29 [**105**].
Macronycteris gigas (Wagner, 1845)
SMF: 2 [**2**].
Macronycteris vittatus (Peters, 1852)
AMNH: 3, BMNH: 9, FMNH: 24, MCZ: 17, MNHN: 8, RMNH: 2, ROM: 3, SMF: 4, TM: 1, USNM: 3, ZMB: 10 [**84**].
Micropteropus pusillus (Peters, 1868)
ZMB: 2 [**2**].
Mimetillus moloneyi (Thomas, 1891)
FMNH: 2, MNHN: 1, SMF: 2 [**5**].
Mimetillus thomasi Hinton, 1920
BMNH: 3 [**3**].
Miniopterus Bonaparte, 1837
FMNH: 15 [**15**].
Miniopterus fraterculus Thomas and Schwann, 1906
SMF: 14 [**14**].
Miniopterus minor Peters, 1867
FMNH: 44, MCZ: 4, SMF: 3, ZMB: 1 [**52**].
Miniopterus natalensis (A. Smith, 1833)
BMNH: 9, FMNH: 13, HNHM: 1, MCZ: 3, RMCA: 1, SMF: 7, ZMB: 5 [**39**].
MOLOSSIDAE Gervais, 1856
AMNH: 1 [**1**].
Mops Lesson, 1842
FMNH: 1 [**1**].
Mops (Mops) Lesson, 1842
ZMA: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 4, BMNH: 20, BRTC: 1, FMNH: 26, MCZ: 27, RMNH: 79, ROM: 10, SMF: 20, YPM: 1, ZMB: 4 [**192**].
Mops (Xiphonycteris) bakarii Stanley, 2009
FMNH: 21 [**21**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
MNHN: 2, SMF: 6, ZMB: 4 [**12**].
Myonycteris angolensis (Bocage, 1898)
FMNH: 68, MCZ: 9, ROM: 1, SMF: 7, TM: 1, ZMB: 2 [**88**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
AMNH: 1, LACM: 3, SMF: 17 [**21**].
Myonycteris relicta Bergmans, 1980
FMNH: 6, LACM: 1, RMCA: 3, SMF: 25, ZMB: 2 [**37**].
Myotis Kaup, 1829
MNHN: 2 [**2**].
Myotis bocagii (Peters, 1870)
FMNH: 2, ROM: 3, SMF: 14, ZMA: 2, ZMB: 1 [**22**].
Myotis bocagii bocagii (Peters, 1870)
MCZ: 2 [**2**].
Myotis tricolor (Temminck, 1832)
SMF: 1 [**1**].
Myotis welwitschii (Gray, 1866)
FMNH: 2, HZM: 1, NMZL: 1, RMCA: 7, ROM: 1, SMF: 2, ZMB: 2 [**16**].
Neoromicia Roberts, 1926
FMNH: 9, ZMA: 2 [**11**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 14, FMNH: 6, RBINS: 5, SMF: 5, ZMA: 5 [**35**].
Neoromicia guineensis (Bocage, 1889)
FMNH: 1 [**1**].
Neoromicia helios (Heller, 1912)
ZMMU: 1 [**1**].
Neoromicia nana (Peters, 1852)
AMNH: 59, BMNH: 14, FMNH: 43, HNHM: 14, HZM: 5, MCZ: 124, MHNG: 15, MNHN: 3, RMCA: 52, ROM: 2, SMF: 33, TM: 1, USNM: 2, ZFMK: 12, ZMA: 7, ZMB: 13, ZMUC: 3 [**402**].
Neoromicia rendalli (Thomas, 1889)
ROM: 4, SMF: 3, USNM: 1 [**8**].

Neoromicia somalica (Thomas, 1901)
AMNH: 2, FMNH: 5, SMF: 3, USNM: 1 [**11**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
HZM: 2, RBINS: 4, ROM: 1 [**7**].
Neoromicia tenuipinnis (Peters, 1872)
FMNH: 2, ZMA: 3, ZMB: 7 [**12**].
Neoromicia zuluensis (Roberts, 1924)
ROM: 1, SMF: 1 [**2**].
Nycteris G. Cuvier and E. Geoffroy, 1795
FMNH: 14, MCZ: 1, MNHN: 1, ZMA: 2 [**18**].
Nycteris arge Thomas, 1903
RBINS: 1 [**1**].
Nycteris aurita (K. Andersen, 1912)
BMNH: 2, SMF: 2, ZFMK: 9 [**13**].
Nycteris grandis Peters, 1865
AMNH: 1, BMNH: 8, FMNH: 22, MCZ: 1, RBINS: 1, RMNH: 1, SMF: 15, SMNS: 1, ZMB: 4 [**54**].
Nycteris hispida (Schreber, 1774)
BMNH: 7, FMNH: 5, HNHM: 1, KU: 4, MCZ: 2, MNHN: 16, NMW: 1, RBINS: 3, ROM: 1, SMF: 10, TM: 1, ZMA: 7, ZMB: 3 [**61**].
Nycteris intermedia Aellen, 1959
BMNH: 1 [**1**].
Nycteris macrotis Dobson, 1876
BMNH: 45, FMNH: 3, KU: 1, MCZ: 21, MNHN: 13, RMCA: 1, RMNH: 1, ROM: 2, SMF: 10, USNM: 2, WAM: 1, YPM: 1, ZFMK: 16, ZMB: 2 [**119**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 6, BMNH: 78, CAS: 4, FMNH: 26, HNHM: 1, KM: 2, KU: 1, MCZ: 49, MNHN: 5, RBINS: 6, RMCA: 5, RMNH: 20, ROM: 2, SMF: 70, SMNS: 1, SMTD: 1, TM: 1, USNM: 56, WAM: 2, ZFMK: 18, ZMA: 3, ZMB: 17, ZMH: 1, ZMUC: 26 [**401**].
Nycteris woodi K. Andersen, 1914
BMNH: 1, SMF: 1 [**2**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 2, HZM: 1, SMF: 1, ZMB: 4 [**8**].
Otomops martiensseni (Matschie, 1897)
FMNH: 2, SMF: 1, ZMB: 1 [**4**].
Pipistrellus Kaup, 1829
FMNH: 9 [**9**].
Pipistrellus grandidieri (Dobson, 1876)
LACM: 1, MNHN: 1, SMF: 15 [**17**].
Pipistrellus hesperidus (Temminck, 1840)
BMNH: 2, NMZL: 1, SMF: 8, TM: 2, YPM: 1, ZMUC: 8 [**22**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
FMNH: 35, MCZ: 1 [**36**].
Pipistrellus permixtus Aellen, 1957
MZS: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
BMNH: 9, HNHM: 1, MCZ: 11, ZMA: 11, ZMH: 1 [**33**].
Pipistrellus rueppellii fuscipes Thomas, 1913
AMNH: 1 [**1**].
Pipistrellus rueppellii pulcher (Dobson, 1875)
BMNH: 1 [**1**].
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)
BMNH: 1 [**1**].
Pteropus Erxleben, 1777
MCZ: 1 [**1**].
Pteropus niger (Kerr, 1792)
ZMB: 1 [**1**].
Pteropus rufus E. Geoffroy St.-Hilaire, 1803
MCZ: 1 [**1**].
Pteropus seychellensis A. Milne-Edwards, 1877
BMNH: 6, FMNH: 3, NMK: 1, NMW: 1, SMF: 1 [**12**].
Pteropus voeltzkowi Matschie, 1909
BMNH: 22, FMNH: 3, MCZ: 3, ROM: 3, ZMB: 12 [**43**].
RHINOLOPHIDAE Gray, 1825
RMCA: 1 [**1**].
Rhinolophus Lacépède, 1799
CAS: 2, FMNH: 37, MNHN: 1, RMCA: 2, YPM: 3, ZMB: 9 [**54**].
Rhinolophus blasii Peters, 1867
FMNH: 1, SMF: 1 [**2**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 11, FMNH: 36, HNHM: 1, MCZ: 1, NMW: 1, RMCA: 1, ROM: 1, SMF: 4, YPM: 1, ZMB: 1 [**58**].
Rhinolophus darlingi K. Andersen, 1905
AMNH: 1, BMNH: 1, SMF: 4 [**6**].
Rhinolophus deckenii Peters, 1868
AMNH: 6, BMNH: 1, FMNH: 45, MCZ: 2, ROM: 3, SMF: 42, ZMB: 1 [**100**].
Rhinolophus eloquens K. Andersen, 1905
BMNH: 8, ROM: 1, SMF: 17, ZMB: 3 [**29**].

Rhinolophus fumigatus Rüppell, 1842
BMNH: 6, FMNH: 7, MCZ: 1, MNHN: 1, ROM: 20, SMF: 1, ZMA: 7, ZMB: 2 [**45**].
Rhinolophus hildebrandtii Peters, 1878
AMNH: 4, BMNH: 4, FMNH: 19, MCZ: 5, MNHN: 1, RMCA: 3, ROM: 5, SMF: 16, ZMB: 3 [**60**].
Rhinolophus lobatus Peters, 1852
BMNH: 9, FMNH: 1, MCZ: 3, SMF: 19, USNM: 8, ZMB: 5 [**45**].
Rhinolophus maendeleo Kock, Csorba and Howell, 2000
FMNH: 4, SMF: 3 [**7**].
Rhinolophus rhodesiae Roberts, 1946
BMNH: 1, FMNH: 8, MCZ: 17, SMF: 3, ZMB: 1 [**30**].
Rhinolophus simulator K. Andersen, 1904
AMNH: 2, BMNH: 2, FMNH: 6, SMF: 2 [**12**].
Rousettus Gray, 1821
FMNH: 16 [**16**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
BMNH: 11, FMNH: 38, MCZ: 8, MNHN: 13, RMCA: 5, ROM: 2, SMF: 32, SMNS: 12, ZMB: 20 [**141**].
Scotoecus Thomas, 1901
FMNH: 1 [**1**].
Scotoecus albigula Thomas, 1909
SMF: 1 [**1**].
Scotoecus albofuscus (Thomas, 1890)
HZM: 2, SMF: 1 [**3**].
Scotoecus hindei Thomas, 1901
AMNH: 3, BMNH: 2, FMNH: 16, MNHN: 1, SMF: 2, ZMA: 2 [**26**].
Scotoecus hirundo (de Winton, 1899)
BMNH: 1, FMNH: 1, SMF: 4 [**6**].
Scotophilus Leach, 1821
BMNH: 1, FMNH: 11, ZMB: 2 [**14**].
Scotophilus dinganii (A. Smith, 1833)
AMNH: 10, BMNH: 5, FMNH: 11, KU: 2, MCZ: 1, RMCA: 1, RMNH: 6, ROM: 17, SMF: 6, USNM: 4, ZFMK: 2, ZMA: 2, ZMB: 4 [**71**].
Scotophilus leucogaster (Cretzschmar, 1826)
ROM: 1 [**1**].
Scotophilus nigrita (Schreber, 1774)
HNHM: 2, SMF: 1 [**3**].
Scotophilus nucella Robbins, 1983
SMF: 4 [**4**].
Scotophilus viridis (Peters, 1852)
AMNH: 1, BMNH: 2, FMNH: 5, SMF: 22, ZFMK: 1, ZMA: 1, ZMB: 2 [**34**].
Stenonycteris lanosus (Thomas, 1906)
BMNH: 2, FMNH: 18, HNHM: 13, HZM: 3, MCZ: 7, RMCA: 1, SMF: 6, USNM: 1 [**51**].
Tadarida Rafinesque, 1814
BMNH: 1, FMNH: 7, MSB: 2 [**10**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
BRTC: 1, MSU: 1, SMF: 1 [**3**].
Tadarida fulminans (Thomas, 1903)
SMF: 1 [**1**].
Tadarida lobata (Thomas, 1891)
ZMB: 1 [**1**].
Tadarida ventralis (Heuglin, 1861)
FMNH: 1, HZM: 3, SMF: 1 [**5**].
Taphozous E. Geoffroy St.-Hilaire, 1818
YPM: 3 [**3**].
Taphozous hildegardeae Thomas, 1909
SMF: 2 [**2**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
AMNH: 4, BMNH: 9, CAWM: 1, FMNH: 7, LACM: 4, MCZ: 10, MNHN: 1, PSM: 1, RMNH: 3, ROM: 1, SMF: 36, ZMA: 3, ZMB: 5 [**85**].
Taphozous nudiventris Cretzschmar, 1830
BMNH: 4, MCZ: 2 [**6**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
SMF: 1 [**1**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
FMNH: 11 [**11**].
Taphozous perforatus sudani Thomas, 1915
MCZ: 1 [**1**].
Triaenops Dobson, 1871
SMF: 1 [**1**].
Triaenops afer Peters, 1877
AMNH: 1, BMNH: 3, FMNH: 210, MCZ: 51, MNHN: 20, ROM: 13, SMF: 47, USNM: 51, WAM: 2 [**398**].
VESPERTILIONIDAE Gray, 1821
BMNH: 10 [**10**].

Total Specimens for Tanzania: 6358

The Gambia

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
BMNH: 1, SMF: 2, USNM: 32 [**35**].
Chaerephon pumilus (Cretzschmar, 1826)
BMNH: 5, USNM: 5 [**10**].
Doryrhina cyclops (Temminck, 1853)
USNM: 1 [**1**].
Eidolon helvum (Kerr, 1792)
BMNH: 3, SMF: 1 [**4**].
Epomophorus gambianus (Ogilby, 1835)
BMNH: 10, HZM: 20, SMF: 4, SMNS: 1, USNM: 11 [**46**].
Epomophorus gambianus gambianus (Ogilby, 1835)
BMNH: 1 [**1**].
Eptesicus Rafinesque, 1820
HZM: 2 [**2**].
Glauconycteris argentata (Dobson, 1875)
MCZ: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
BMNH: 4 [**4**].
Hipposideros ruber (Noack, 1893)
BMNH: 6, MCZ: 1, SMF: 8 [**15**].
Hipposideros tephrus (Cabrera, 1906)
SMF: 6, USNM: 11 [**17**].
Hypsignathus monstrosus H. Allen, 1862
BMNH: 1 [**1**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
BMNH: 1, SMF: 2 [**3**].
Macronycteris gigas (Wagner, 1845)
BMNH: 2 [**2**].
Macronycteris vittatus (Peters, 1852)
SMF: 1 [**1**].
Micropteropus pusillus (Peters, 1868)
BMNH: 1, SMF: 5, USNM: 2 [**8**].
Mops Lesson, 1842
BMNH: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
BMNH: 7, USNM: 3 [**10**].
Myonycteris angolensis smithii (Thomas, 1908)
SMF: 2 [**2**].
Neoromicia guineensis (Bocage, 1889)
SMF: 3 [**3**].
Neoromicia nana (Peters, 1852)
BMNH: 1, HZM: 1, SMF: 7 [**9**].
Neoromicia rendalli (Thomas, 1889)
BMNH: 2, SMF: 2 [**4**].
Nycteris gambiensis (K. Andersen, 1912)
BMNH: 5, SMF: 3, USNM: 22 [**30**].
Nycteris hispida (Schreber, 1774)
SMF: 2 [**2**].
Nycteris macrotis Dobson, 1876
BMNH: 7, SMF: 13, USNM: 25 [**45**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
BMNH: 1 [**1**].
Pipistrellus nanulus Thomas, 1904
SMF: 1 [**1**].
Pipistrellus rusticus (Tomes, 1861)
SMF: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 2 [**2**].
Rhinolophus landeri Martin, 1838
BMNH: 1, SMF: 9, USNM: 1 [**11**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
BMNH: 1 [**1**].
Scotoecus albofuscus (Thomas, 1890)
BMNH: 2 [**2**].
Scotoecus hirundo (de Winton, 1899)
SMF: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
BMNH: 2 [**2**].
Scotophilus leucogaster (Cretzschmar, 1826)
SMF: 6, USNM: 1 [**7**].
Scotophilus viridis (Peters, 1852)
BMNH: 4 [**4**].

Tadarida Rafinesque, 1814
BMNH: 4 [**4**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 1, USNM: 1 [**2**].
Taphozous nudiventris Cretzschmar, 1830
BMNH: 1 [**1**].

Total Specimens for The Gambia: 297

Togo

Chaerephon major (Trouessart, 1897)
RMCA: 283, USNM: 52 [**335**].
Chaerephon pumilus (Cretzschmar, 1826)
RMCA: 426, USNM: 74 [**500**].
CHIROPTERA Blumenbach, 1779
RMCA: 9 [**9**].
Doryrhina cyclops (Temminck, 1853)
RMCA: 2, USNM: 1 [**3**].
Eidolon helvum (Kerr, 1792)
MNHN: 14, RMCA: 72, SMF: 1, USNM: 6, ZMB: 1 [**94**].
Epomophorus gambianus (Ogilby, 1835)
MNHN: 1, RMCA: 847, USNM: 10, ZMB: 7 [**865**].
Epomops franqueti (Tomes, 1860)
RMCA: 152, USNM: 2, ZMB: 3 [**157**].
Glauconycteris poensis (Gray, 1842)
RMCA: 14, SMF: 1, SMNS: 3, USNM: 2 [**20**].
Glauconycteris variegata (Tomes, 1861)
RMCA: 2 [**2**].
Hipposideros abae J.A. Allen, 1917
MNHN: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
RMCA: 4, USNM: 10 [**14**].
Hipposideros ruber (Noack, 1893)
MNHN: 2, RMCA: 14, USNM: 25 [**41**].
Hypsignathus monstrosus H. Allen, 1862
USNM: 2, ZMB: 3 [**5**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
RMCA: 11, USNM: 75, ZMB: 3 [**89**].
Macronycteris gigas (Wagner, 1845)
USNM: 3 [**3**].
Macronycteris vittatus (Peters, 1852)
MNHN: 1, RMCA: 5 [**6**].
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012
RMCA: 9 [**9**].
Micropteropus pusillus (Peters, 1868)
RMCA: 1660, USNM: 2, ZMB: 5 [**1667**].
Mops (Mops) condylurus (A. Smith, 1833)
MNHN: 3, RMCA: 112, SMF: 3, USNM: 60 [**178**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
RMCA: 1 [**1**].
Mops (Xiphonycteris) spurrelli (Dollman, 1911)
RMCA: 4 [**4**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
USNM: 6 [**6**].
Myonycteris angolensis (Bocage, 1898)
RMCA: 43, USNM: 1, ZMB: 4 [**48**].
Myonycteris angolensis smithii (Thomas, 1908)
BMNH: 1 [**1**].
Myonycteris leptodon K. Andersen, 1908
RMCA: 4 [**4**].
Myotis bocagii (Peters, 1870)
RMCA: 2 [**2**].
Nanonycteris veldkampii (Jentink, 1888)
RMCA: 190, ZMB: 3 [**193**].
Neoromicia capensis (A. Smith, 1829)
RMCA: 1, ZMB: 1 [**2**].
Neoromicia nana (Peters, 1852)
RMCA: 13, USNM: 15, ZMB: 2 [**30**].
Neoromicia rendalli (Thomas, 1889)
RMCA: 4, ZMB: 3 [**7**].
Neoromicia somalica (Thomas, 1901)
RMCA: 3, ZMB: 1 [**4**].
Neoromicia tenuipinnis (Peters, 1872)
ZMB: 1 [**1**].

Nycteris gambiensis (K. Andersen, 1912)
RMCA: 6, USNM: 6 [**12**].
Nycteris grandis Peters, 1865
RMCA: 1, USNM: 6 [**7**].
Nycteris hispida (Schreber, 1774)
RMCA: 51, USNM: 3 [**54**].
Nycteris macrotis Dobson, 1876
RMCA: 16, USNM: 12 [**28**].
Nycticeinops schlieffenii (Peters, 1859)
RMCA: 2, USNM: 2, ZMB: 1 [**5**].
Pipistrellus nanulus Thomas, 1904
RMCA: 1 [**1**].
Pipistrellus rueppellii (Fischer, 1829)
RMCA: 1 [**1**].
Rhinolophus Lacépède, 1799
USNM: 1, ZMB: 1 [**2**].
Rhinolophus darlingi K. Andersen, 1905
RMCA: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
RMCA: 3, USNM: 68 [**71**].
Rhinolophus landeri Martin, 1838
BMNH: 1, RMCA: 23 [**24**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
RMCA: 17 [**17**].
Scotophilus dinganii (A. Smith, 1833)
RMCA: 8, USNM: 1, ZMB: 1 [**10**].
Scotophilus leucogaster (Cretzschmar, 1826)
RMCA: 17 [**17**].
Scotophilus nigrita (Schreber, 1774)
RMCA: 1 [**1**].
Scotophilus viridis (Peters, 1852)
ZMB: 9 [**9**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
RMCA: 19, USNM: 1 [**20**].
Taphozous nudiventris Cretzschmar, 1830
USNM: 8 [**8**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
BMNH: 1 [**1**].
VESPERTILIONIDAE Gray, 1821
RMCA: 6 [**6**].

Total Specimens for Togo: 4596

Tunisia

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)
FMNH: 3, HNHM: 12, LACM: 4, MNHN: 3, SMF: 333, TTU: 54 [**409**].
Eptesicus isabellinus (Temminck, 1840)
MNHN: 1, TTU: 22, ZMB: 2 [**25**].
Hypsugo savii (Bonaparte, 1837)
TTU: 2 [**2**].
Miniopterus Bonaparte, 1837
ZMB: 12 [**12**].
Miniopterus schreibersii (Kuhl, 1817)
BMNH: 7, FMNH: 5, ROM: 1, SMF: 12, TTU: 73, USNM: 4 [**102**].
Myotis Kaup, 1829
ZMA: 1 [**1**].
Myotis capaccinii (Bonaparte, 1837)
FMNH: 3, TTU: 18, ZMB: 6 [**27**].
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)
TTU: 13 [**13**].
Myotis punicus Felten, 1977
FMNH: 13, MHNG: 1, MNHN: 6, SMF: 86, TTU: 117, USNM: 4, WNMU: 1, ZMB: 81 [**309**].
Pipistrellus kuhlii (Kuhl, 1817)
BMNH: 2, FMNH: 3, HNHM: 1, HZM: 2, MHNG: 2, MNHN: 15, NRM: 2, SMF: 12, TTU: 26, UCM: 5, ZFMK: 8, ZMB: 1 [**79**].
Pipistrellus pipistrellus (Schreber, 1774)
MNHN: 1, TTU: 4 [**5**].
Pipistrellus rueppellii (Fischer, 1829)
ZFMK: 1 [**1**].
Plecotus christii Gray, 1838
FMNH: 2, SMF: 1 [**3**].
Plecotus teneriffae Barrett-Hamilton, 1907
BMNH: 5, MNHN: 3, TTU: 41 [**49**].
Rhinolophus Lacépède, 1799

TTU: 2 [**2**].
Rhinolophus blasii Peters, 1867
TTU: 26 [**26**].
Rhinolophus euryale Blasius, 1853
RMCA: 1, TTU: 19 [**20**].
Rhinolophus ferrumequinum (Schreber, 1774)
BMNH: 1, MNHN: 1, TTU: 21 [**23**].
Rhinolophus hipposideros (Bechstein, 1800)
MNHN: 5, TTU: 7 [**12**].
Rhinolophus mehelyi Matschie, 1901
AMNH: 1, BMNH: 2, FMNH: 6, MNHN: 2, ROM: 1, SMF: 200, TTU: 62, USNM: 1, ZMA: 1, ZMB: 4 [**280**].
Rhinopoma cystops Thomas, 1903
MNHN: 2, SMF: 1, TTU: 2 [**5**].

Total Specimens for Tunisia: 1405

Uganda

Cardioderma cor (Peters, 1872)
BMNH: 3, ZMB: 2 [**5**].
Chaerephon Dobson, 1874
BMNH: 1, ZMA: 13 [**14**].
Chaerephon aloysiisabaudiae (Festa, 1907)
BMNH: 6, MVZ: 1, ROM: 4, ZMB: 1 [**12**].
Chaerephon ansorgei (Thomas, 1913)
BMNH: 1, ROM: 1 [**2**].
Chaerephon bemmeleni (Jentink, 1879)
ROM: 1 [**1**].
Chaerephon bivittatus (Heuglin, 1861)
AMS: 1 [**1**].
Chaerephon chapini J.A. Allen, 1917
ROM: 1 [**1**].
Chaerephon major (Trouessart, 1897)
BMNH: 3 [**3**].
Chaerephon nigeriae Thomas, 1913
BMNH: 1 [**1**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 42, BMNH: 100, CAS: 15, FMNH: 22, MCZ: 45, MVZ: 1, RMCA: 2, ROM: 136, SMF: 2, WAM: 1, ZMA: 1 [**367**].
Chaerephon pusillus (Miller, 1902)
FMNH: 1 [**1**].
CHIROPTERA Blumenbach, 1779
AMNH: 3 [**3**].
Coleura afra (Peters, 1852)
CAS: 10, ROM: 57 [**67**].
Doryrhina cyclops (Temminck, 1853)
AMS: 1, BMNH: 1, FMNH: 7, MCZ: 1, ROM: 9, USNM: 8 [**27**].
Eidolon helvum (Kerr, 1792)
BMNH: 6, CUMV: 1, LACM: 5, MCZ: 1, MVZ: 1, OMNH: 1, ROM: 1 [**16**].
Eidolon helvum helvum (Kerr, 1792)
AMNH: 6, ROM: 20 [**26**].
Epomophorus Bennett, 1836
BMNH: 1, FMNH: 1, ZMA: 9 [**11**].
Epomophorus labiatus (Temminck, 1837)
AMNH: 2, BMNH: 38, CM: 2, FMNH: 25, LACM: 18, MCZ: 1, MIZT: 1, NMW: 1, ROM: 65, USNM: 25, ZMA: 10, ZMB: 6 [**194**].
Epomophorus minimus Claessen & De Vree, 1991
USNM: 2 [**2**].
Epomophorus wahlbergi (Sundevall, 1846)
BMNH: 2, CAS: 16, MCZ: 1, ROM: 13 [**32**].
Epomops franqueti (Tomes, 1860)
AMNH: 5, AMS: 1, BMNH: 4, FMNH: 113, LACM: 55, MCZ: 3, ROM: 14 [**195**].
Glauconycteris argentata (Dobson, 1875)
FMNH: 2, ROM: 4 [**6**].
Glauconycteris beatrix Thomas, 1901
BMNH: 1 [**1**].
Glauconycteris egeria Thomas, 1913
ROM: 2 [**2**].
Glauconycteris humeralis J.A. Allen, 1917
BMNH: 3, FMNH: 2, ROM: 5 [**10**].
Glauconycteris variegata (Tomes, 1861)
AMNH: 1, BMNH: 1, FMNH: 1, ROM: 2, ZMB: 1 [**6**].
Hipposideros Gray, 1831
CAS: 15, FMNH: 2 [**17**].
Hipposideros beatus (K. Andersen, 1906)
FMNH: 3, ROM: 2 [**5**].

Hipposideros caffer (Sundevall, 1846)
AMNH: 16, BMNH: 1, CAS: 19, FMNH: 8, ROM: 83, SMF: 3 [**130**].
Hipposideros ruber (Noack, 1893)
AMNH: 3, BMNH: 53, FMNH: 65, KU: 1, MCZ: 2, MVZ: 1, ROM: 9, SMF: 1 [**135**].
Hipposideros tephrus (Cabrera, 1906)
AMNH: 2 [**2**].
Hypsignathus monstrosus H. Allen, 1862
AMS: 1, BMNH: 2, HZM: 1, LACM: 7, ROM: 3 [**14**].
Hypsugo crassulus (Thomas, 1904)
FMNH: 2, ROM: 2 [**4**].
Hypsugo eisentrauti (Hill, 1968)
FMNH: 1 [**1**].
Kerivoula phalaena Thomas, 1912
LACM: 2, ROM: 1 [**3**].
Kerivoula smithii Thomas, 1880
LACM: 3 [**3**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
AMNH: 4, BMNH: 9, BRTC: 1, FMNH: 4, MCZ: 9, MVZ: 2, RMCA: 8, ROM: 6, USNM: 47, ZMB: 6 [**96**].
Megaloglossus woermanni Pagenstecher, 1885
AMS: 1, FMNH: 13, LACM: 9, ROM: 2 [**25**].
Micropteropus pusillus (Peters, 1868)
BMNH: 11, CAS: 4, FMNH: 40, LACM: 16, MCZ: 2, ROM: 19, USNM: 1 [**93**].
Mimetillus moloneyi (Thomas, 1891)
LACM: 3, ROM: 2, SMF: 1 [**6**].
Miniopterus inflatus Thomas, 1903
SMF: 1 [**1**].
Miniopterus inflatus inflatus Thomas, 1903
ROM: 1 [**1**].
Miniopterus inflatus rufus Sanborn, 1936
FMNH: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
BMNH: 45, ROM: 3, SMF: 1 [**49**].
MOLOSSIDAE Gervais, 1856
MSU: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 3, BMNH: 16, CAS: 17, FMNH: 1, RMCA: 2, ROM: 69, ZMB: 1 [**109**].
Mops (Mops) congicus J.A. Allen, 1917
AMS: 1, ROM: 30, SMF: 1 [**32**].
Mops (Mops) demonstrator (Thomas, 1903)
AMS: 1, BMNH: 1, ROM: 6 [**8**].
Mops (Mops) midas (Sundevall, 1843)
AMNH: 26 [**26**].
Mops (Mops) trevori J.A. Allen, 1917
BMNH: 12, LACM: 4, RMCA: 1, ROM: 4 [**21**].
Mops (Xiphonycteris) brachypterus (Peters, 1852)
AMNH: 26, ROM: 8 [**34**].
Mops (Xiphonycteris) nanulus J.A. Allen, 1917
AMNH: 7, AMS: 1, ROM: 39 [**47**].
Mops (Xiphonycteris) thersites (Thomas, 1903)
AMNH: 3, AMS: 1, FMNH: 3, RMCA: 2, ROM: 28 [**37**].
Myonycteris angolensis (Bocage, 1898)
AMNH: 2, BMNH: 13, FMNH: 162, MCZ: 7, RMCA: 6, ROM: 2, USNM: 1 [**193**].
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)
AMNH: 1, BMNH: 14, LACM: 86, SMF: 1 [**102**].
Myonycteris torquata (Dobson, 1878)
FMNH: 9, LACM: 5, ROM: 1 [**15**].
Myopterus whitleyi (Scharff, 1900)
BMNH: 1, MNHN: 1, RMCA: 1 [**3**].
Myotis Kaup, 1829
BMNH: 5 [**5**].
Myotis bocagii (Peters, 1870)
AMNH: 1, AMS: 1, BMNH: 1, FMNH: 1, ROM: 7 [**11**].
Myotis bocagii bocagii (Peters, 1870)
FMNH: 15, MCZ: 1, ROM: 1, USNM: 2 [**19**].
Myotis tricolor (Temminck, 1832)
BMNH: 3 [**3**].
Myotis welwitschii (Gray, 1866)
FMNH: 1 [**1**].
Neoromicia Roberts, 1926
CAS: 15 [**15**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 8 [**8**].
Neoromicia helios (Heller, 1912)
AMNH: 5, ROM: 1 [**6**].
Neoromicia nana (Peters, 1852)
AMNH: 7, BMNH: 10, CAS: 15, FMNH: 34, MCZ: 6, RMCA: 3, ROM: 68, SMF: 4, USNM: 1, ZMB: 2 [**150**].

Neoromicia rendalli (Thomas, 1889)
BMNH: 2, CAS: 1, RMCA: 2, ZMB: 1 [**6**].
Neoromicia somalica (Thomas, 1901)
AMS: 1, BMNH: 1, FMNH: 1, HZM: 2, ROM: 10, SMF: 1, USNM: 7 [**23**].
Neoromicia tenuipinnis (Peters, 1872)
AMNH: 1, BMNH: 6, FMNH: 2, MHNG: 1, ROM: 12, SMF: 1, USNM: 1, ZMB: 1 [**25**].
Neoromicia zuluensis (Roberts, 1924)
ROM: 3 [**3**].
Nycteris G. Cuvier and E. Geoffroy, 1795
CAS: 2, FMNH: 2, MCZ: 2 [**6**].
Nycteris arge Thomas, 1903
FMNH: 1, ROM: 3 [**4**].
Nycteris hispida (Schreber, 1774)
AMNH: 6, BMNH: 9, CAS: 4, FMNH: 16, MVZ: 1, ROM: 3 [**39**].
Nycteris macrotis Dobson, 1876
BMNH: 3 [**3**].
Nycteris nana (K. Andersen, 1912)
ROM: 2 [**2**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 1, BMNH: 13, CAS: 8, ROM: 1 [**23**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 1, CAS: 1, ROM: 2 [**4**].
Otomops martiensseni icarus Chubb, 1917
ROM: 1 [**1**].
Pipistrellus Kaup, 1829
BMNH: 2, CAS: 2, ROM: 1, USNM: 25 [**30**].
Pipistrellus grandidieri (Dobson, 1876)
BMNH: 1 [**1**].
Pipistrellus hesperidus (Temminck, 1840)
BMNH: 1, FMNH: 1, ROM: 1 [**3**].
Pipistrellus hesperidus hesperidus (Temminck, 1840)
FMNH: 6 [**6**].
Pipistrellus nanulus Thomas, 1904
AMNH: 4, BMNH: 1, FMNH: 1, ROM: 14 [**20**].
Pipistrellus rueppellii (Fischer, 1829)
BMNH: 2, HZM: 2, MNHN: 1, RMCA: 2, ROM: 2, SMF: 2 [**11**].
Pipistrellus rueppellii fuscipes Thomas, 1913
AMNH: 3, BMNH: 1, FMNH: 3, MVZ: 4 [**11**].
Pipistrellus rusticus (Tomes, 1861)
LACM: 2 [**2**].
Rhinolophus Lacépède, 1799
CAS: 4, FMNH: 7 [**11**].
Rhinolophus alcyone Temminck, 1853
FMNH: 24, MCZ: 9, ROM: 31 [**64**].
Rhinolophus clivosus Cretzschmar, 1828
AMNH: 6, BMNH: 8, FMNH: 42, ROM: 2, SMF: 1, USNM: 4 [**63**].
Rhinolophus darlingi K. Andersen, 1905
ROM: 2 [**2**].
Rhinolophus eloquens K. Andersen, 1905
AMNH: 1, BMNH: 15, MCZ: 1, ROM: 4 [**21**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 5, ROM: 28 [**33**].
Rhinolophus lobatus Peters, 1852
BMNH: 19 [**19**].
Rhinolophus ruwenzorii J. Eric Hill, 1942
BMNH: 1, FMNH: 4, LACM: 11 [**16**].
Rousettus Gray, 1821
CAS: 2, MCZ: 1 [**3**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
AMS: 1, BMNH: 22, CAS: 1, FMNH: 13, LACM: 7, MCZ: 6, ROM: 1 [**51**].
Saccolaimus peli (Temminck, 1853)
BMNH: 1, MCZ: 2, ROM: 7, USNM: 4 [**14**].
Scotoecus albigula Thomas, 1909
USNM: 2 [**2**].
Scotoecus albofuscus (Thomas, 1890)
FMNH: 1, ROM: 2 [**3**].
Scotoecus hindei Thomas, 1901
BMNH: 2, ROM: 17 [**19**].
Scotoecus hirundo (de Winton, 1899)
BMNH: 10, FMNH: 1, ROM: 9 [**20**].
Scotophilus Leach, 1821
MCZ: 1 [**1**].
Scotophilus dinganii (A. Smith, 1833)
AMS: 1, BMNH: 5, CAS: 17, FMNH: 6, ROM: 24, USNM: 1 [**54**].
Scotophilus leucogaster (Cretzschmar, 1826)
AMNH: 3, BMNH: 3, CUMV: 4, ROM: 20 [**30**].

Scotophilus nucella Robbins, 1983
ROM: 2 [**2**].
Scotophilus nux Thomas, 1904
FMNH: 7, ROM: 3 [**10**].
Scotophilus viridis (Peters, 1852)
ROM: 1 [**1**].
Stenonycteris lanosus (Thomas, 1906)
AMNH: 15, BMNH: 6, FMNH: 67, HZM: 1, LACM: 11, MCZ: 5, ROM: 1 [**106**].
Tadarida Rafinesque, 1814
BMNH: 2, CAS: 1, CUMV: 1, FMNH: 1 [**5**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
ROM: 48 [**48**].
Taphozous E. Geoffroy St.-Hilaire, 1818
CAS: 10 [**10**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
AMNH: 3, BMNH: 9, CAS: 11, LACM: 11, ROM: 9, USNM: 2, ZMA: 5, ZMB: 1 [**51**].
Taphozous nudiventris Cretzschmar, 1830
BMNH: 1 [**1**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
AMNH: 2, NMK: 2 [**4**].
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818
ROM: 35 [**35**].
Taphozous perforatus sudani Thomas, 1915
AMNH: 3 [**3**].
Triaenops afer Peters, 1877
BMNH: 14, ROM: 11 [**25**].

Total Specimens for Uganda: 3388

Yemen

Eptesicus bottae (Peters, 1869)
MNHN: 1 [**1**].

Total Specimens for Yemen: 1

Zambia

Chaerephon bivittatus (Heuglin, 1861)
BMNH: 1 [**1**].
Chaerephon chapini J.A. Allen, 1917
BMNH: 2, KM: 1, LACM: 1, NHMZ: 1 [**5**].
Chaerephon leucogaster (A. Grandidier, 1869)
AMNH: 59 [**59**].
Chaerephon major (Trouessart, 1897)
BMNH: 1 [**1**].
Chaerephon nigeriae Thomas, 1913
AMNH: 1, BMNH: 1, KM: 1, MMK: 1, NHMZ: 5, NMZL: 1, SMF: 1 [**11**].
Chaerephon nigeriae spillmanni (Monard, 1933)
AMNH: 39, BMNH: 4, NMZL: 2, USNM: 2 [**47**].
Chaerephon pumilus (Cretzschmar, 1826)
AMNH: 1, AMS: 1, BMNH: 121, BRTC: 1, HNHM: 2, KM: 1, MMK: 1, MSB: 1, NHMZ: 5, NMZL: 5, ROM: 9, SMF: 6 [**154**].
CHIROPTERA Blumenbach, 1779
RMCA: 1 [**1**].
Cloeotis percivali Thomas, 1901
BMNH: 8, CAS: 1, HZM: 25, MSB: 107, NHMZ: 11, NMZL: 4, RMCA: 2, ROM: 1, SMF: 2, TTU: 1, UZMZ: 10 [**172**].
Eidolon helvum (Kerr, 1792)
DNSM: 2, FMNH: 2, KM: 4, NHMZ: 2, NMZL: 2, TM: 1, USNM: 1, YPM: 1 [**15**].
Epomophorus Bennett, 1836
MNHN: 1 [**1**].
Epomophorus crypturus Peters, 1852
AMNH: 7, BMNH: 37, FMNH: 25, HNHM: 1, HZM: 24, KM: 6, NHMZ: 3, NMZL: 5, QM: 1, RMCA: 2, TM: 1, WAM: 33 [**145**].
Epomophorus dobsonii Bocage, 1889
AMNH: 2, BMNH: 10, FMNH: 2, HNHM: 1, HZM: 9, KM: 3, NHMZ: 13, NMZL: 1, RBINS: 1, RMCA: 2, ROM: 1 [**45**].
Epomophorus gambianus (Ogilby, 1835)
SMF: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
AMNH: 1, BMNH: 5, HZM: 4, KM: 9, NHMZ: 11 [**30**].
Epomophorus minor Dobson, 1880
AMNH: 2, BMNH: 1, NMZL: 6 [**9**].
Epomophorus wahlbergi (Sundevall, 1846)
AMS: 1, BMNH: 2, BRTC: 1, CAS: 1, HNHM: 1, HZM: 3, MSB: 1, NHMZ: 5, ROM: 1, SMF: 1 [**17**].
Epomops franqueti (Tomes, 1860)
AMS: 1, BMNH: 1, MSB: 1 [**3**].

Eptesicus Rafinesque, 1820
AMNH: 6 [**6**].
Eptesicus hottentotus (A. Smith, 1833)
KM: 1, NHMZ: 1 [**2**].
Glauconycteris variegata (Tomes, 1861)
BMNH: 2, CAS: 1, NHMZ: 4, NMZL: 1 [**8**].
Hipposideros Gray, 1831
MSB: 1 [**1**].
Hipposideros caffer (Sundevall, 1846)
AMNH: 4, AMS: 1, BMNH: 39, CAS: 2, HNHM: 2, HZM: 1, KM: 3, KU: 1, MNHN: 1, MSB: 172, MSU: 34, MVZ: 23, NHMZ: 13, NMZL: 7, QM: 2, RMCA: 1, ROM: 11, SMF: 1, TM: 1, TTU: 1 [**320**].
Hipposideros ruber (Noack, 1893)
AMNH: 5, BMNH: 12, NHMZ: 3, RMCA: 1, WAM: 1 [**22**].
Hypsugo anchietae (Seabra, 1900)
AMNH: 38, BMNH: 7, HZM: 4, NHMZ: 8, NMZL: 2, SMF: 1 [**60**].
Kerivoula argentata Tomes, 1861
AMNH: 3, BMNH: 2, HZM: 1, KM: 2, NHMZ: 1, NMZL: 1 [**10**].
Kerivoula lanosa (A. Smith, 1847)
KM: 1, NHMZ: 1 [**2**].
Laephotis angolensis Monard, 1935
NMZL: 1 [**1**].
Laephotis botswanae Setzer, 1971
BMNH: 2, HZM: 1, NHMZ: 3, NMP: 1 [**7**].
Lavia frons (E. Geoffroy St.-Hilaire, 1810)
BMNH: 1, HZM: 1, NHMZ: 2 [**4**].
Macronycteris vittatus (Peters, 1852)
AMNH: 1, BMNH: 16, CAS: 2, FMNH: 2, HNHM: 1, MSB: 5, NHMZ: 30, NMZL: 1, SMF: 2, TM: 2, TTU: 1, USNM: 1, WAM: 2 [**66**].
Micropteropus pusillus (Peters, 1868)
BMNH: 3, NMZL: 1 [**4**].
Mimetillus moloneyi (Thomas, 1891)
CAS: 2 [**2**].
Mimetillus thomasi Hinton, 1920
AMNH: 9, BMNH: 1, KM: 1, LACM: 1, NHMZ: 1 [**13**].
Miniopterus Bonaparte, 1837
BMNH: 1, WAM: 1 [**2**].
Miniopterus fraterculus Thomas and Schwann, 1906
ROM: 13 [**13**].
Miniopterus inflatus Thomas, 1903
NMZL: 2 [**2**].
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013
BMNH: 4 [**4**].
Miniopterus natalensis (A. Smith, 1833)
AMNH: 5, BMNH: 50, CAS: 8, FMNH: 4, HNHM: 1, MSB: 113, NHMZ: 9, NMZL: 5, ROM: 10, SMF: 9, TM: 2, TTU: 7, USNM: 3, UZMZ: 24 [**250**].
MOLOSSIDAE Gervais, 1856
AMNH: 5 [**5**].
Mops Lesson, 1842
USNM: 1 [**1**].
Mops (Mops) condylurus (A. Smith, 1833)
AMNH: 30, FMNH: 1, HNHM: 1, KM: 1, LACM: 1, MMK: 1, NHMZ: 3, NMZL: 1, ROM: 1, UZMZ: 1 [**41**].
Mops (Mops) midas (Sundevall, 1843)
LACM: 18, NHMZ: 1, NMZL: 3 [**22**].
Mops (Mops) midas midas (Sundevall, 1843)
AMNH: 2 [**2**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
AMNH: 2, BMNH: 3, FMNH: 2, HNHM: 1, HZM: 8, KM: 2, MCZ: 2, NHMZ: 17, NMZL: 1, ROM: 1 [**39**].
Myonycteris angolensis (Bocage, 1898)
NHMZ: 1, NMZL: 1 [**2**].
Myonycteris torquata (Dobson, 1878)
BMNH: 4, NHMZ: 1 [**5**].
Myotis bocagii (Peters, 1870)
HZM: 1, NHMZ: 2 [**3**].
Myotis tricolor (Temminck, 1832)
AMNH: 1 [**1**].
Myotis welwitschii (Gray, 1866)
NMZL: 2, SMF: 1 [**3**].
Neoromicia Roberts, 1926
RMCA: 1 [**1**].
Neoromicia capensis (A. Smith, 1829)
AMNH: 4, AMS: 1, BMNH: 18, CAS: 3, FMNH: 1, HNHM: 2, HZM: 3, KM: 18, MSB: 1, NHMZ: 8, NMP: 1, NMZL: 11, ROM: 2, ZFMK: 1 [**74**].
Neoromicia nana (Peters, 1852)
AMNH: 5, AMS: 1, BMNH: 23, CAS: 1, FMNH: 3, HNHM: 1, HZM: 5, MCZ: 7, MSB: 1, NHMZ: 24, NMP: 2, NMZL: 7, ROM: 1, SMF: 2, YPM: 1 [**84**].

Neoromicia rendalli (Thomas, 1889)
BMNH: 3, HZM: 1, NMZL: 3, UZMZ: 3 [**10**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
BMNH: 2, NHMZ: 3, NMZL: 1, UZMZ: 1 [**7**].
Neoromicia zuluensis (Roberts, 1924)
HZM: 4, NHMZ: 4, NMZL: 2, TM: 1, UZMZ: 1 [**12**].
Nycteris G. Cuvier and E. Geoffroy, 1795
MSB: 2 [**2**].
Nycteris grandis Peters, 1865
BMNH: 2, HZM: 2, NHMZ: 1, SMF: 1 [**6**].
Nycteris hispida (Schreber, 1774)
AMNH: 1, HNHM: 1, KM: 3, LACM: 1, MSB: 1, NHMZ: 5, NMZL: 6 [**18**].
Nycteris macrotis Dobson, 1876
AMNH: 1, BMNH: 1, MSB: 3, NHMZ: 5, NMZL: 3, ZFMK: 1 [**14**].
Nycteris major (K. Andersen, 1912)
RBINS: 1 [**1**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 2, BMNH: 35, CAS: 1, HNHM: 2, HZM: 1, KM: 14, MNHN: 1, MSB: 53, MSU: 17, NHMZ: 41, NMZL: 10, SMF: 3, WAM: 2 [**182**].
Nycteris woodi K. Andersen, 1914
AMNH: 1, BMNH: 15, FMNH: 1, HZM: 1, KM: 2, MSB: 7, NHMZ: 10, NMZL: 2, TM: 2 [**41**].
Nycticeinops schlieffenii (Peters, 1859)
AMNH: 4, HZM: 1, KM: 2, NHMZ: 9, NMZL: 4 [**20**].
Pipistrellus hesperidus (Temminck, 1840)
BMNH: 3, NHMZ: 5 [**8**].
Pipistrellus rueppellii (Fischer, 1829)
CAS: 1, HZM: 1, KM: 1, LACM: 53, NHMZ: 4, NMZL: 2, SMF: 1 [**63**].
Pipistrellus rueppellii vernayi Roberts, 1932
AMNH: 21 [**21**].
Pipistrellus rusticus (Tomes, 1861)
AMNH: 1, BMNH: 12, HZM: 3, KM: 3, NHMZ: 2, NMZL: 2, UZMZ: 1 [**24**].
Plerotes anchietae (Seabra, 1900)
BMNH: 1, HZM: 1 [**2**].
Rhinolophus Lacépède, 1799
AMNH: 3, BMNH: 1, MSB: 4, TM: 2 [**10**].
Rhinolophus blasii Peters, 1867
HNHM: 1, KM: 2, MSB: 50, NHMZ: 1, UZMZ: 7 [**61**].
Rhinolophus clivosus Cretzschmar, 1828
BMNH: 6, KM: 5, NHMZ: 1 [**12**].
Rhinolophus darlingi K. Andersen, 1905
KM: 1 [**1**].
Rhinolophus fumigatus Rüppell, 1842
AMNH: 2, BMNH: 2, NHMZ: 3 [**7**].
Rhinolophus lobatus Peters, 1852
AMNH: 2, BMNH: 3, FMNH: 1, KM: 1, MSU: 1, NHMZ: 1, QM: 1 [**10**].
Rhinolophus rhodesiae Roberts, 1946
AMNH: 1, BMNH: 2, MSB: 51, NHMZ: 9, NMZL: 1, SMF: 1, UZMZ: 2 [**67**].
Rhinolophus sakejiensis Cotterill, 2002
HZM: 1, NHMZ: 2 [**3**].
Rhinolophus simulator K. Andersen, 1904
AMNH: 1, AMS: 1, BMNH: 8, CAS: 8, HNHM: 2, HZM: 2, MSB: 90, NHMZ: 1, NMZL: 3, ROM: 1, SMF: 1, TTU: 7, UWBM: 1, UZMZ: 8 [**134**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
BMNH: 4, CAS: 1, KM: 4, NHMZ: 5, TM: 1, USNM: 1 [**16**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
BMNH: 2, CAS: 2, MSB: 4, NHMZ: 5, NMZL: 2, SMF: 5, WAM: 9 [**29**].
Scotoecus albigula Thomas, 1909
BMNH: 1, KM: 2, NHMZ: 9 [**12**].
Scotoecus albofuscus (Thomas, 1890)
TM: 1 [**1**].
Scotoecus hindei Thomas, 1901
LACM: 7, NMZL: 3 [**10**].
Scotophilus dinganii (A. Smith, 1833)
AMNH: 5, BMNH: 6, KM: 3, MSB: 1, NHMZ: 7, NMZL: 14, RBINS: 1, RMCA: 1, ROM: 2, SMF: 2, TM: 2, UZMZ: 3 [**47**].
Scotophilus leucogaster (Cretzschmar, 1826)
AMNH: 3, BMNH: 7, FMNH: 1, NHMZ: 3, NMZL: 17, QM: 2, SMF: 1 [**34**].
Scotophilus nigrita (Schreber, 1774)
HNHM: 1 [**1**].
Scotophilus viridis (Peters, 1852)
BMNH: 6, NHMZ: 3, ROM: 1, TM: 1, UZMZ: 12 [**23**].
Tadarida Rafinesque, 1814
BMNH: 2, MSB: 6 [**8**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
NHMZ: 1 [**1**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
BMNH: 13 [**13**].

Tadarida ventralis (Heuglin, 1861)
NMZL: 1 [**1**].
Taphozous E. Geoffroy St.-Hilaire, 1818
MSB: 4 [**4**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 2, FMNH: 4, HNHM: 1, KM: 1, NHMZ: 3, NMZL: 7, UZMZ: 1 [**19**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
HNHM: 1, HZM: 1 [**2**].
Triaenops afer Peters, 1877
NHMZ: 1 [**1**].
VESPERTILIONIDAE Gray, 1821
NMZL: 1 [**1**].

Total Specimens for Zambia: 2758

Zimbabwe

Chaerephon ansorgei (Thomas, 1913)
MNHN: 2, NHMZ: 22, ROM: 44, TM: 6 [**74**].
Chaerephon bivittatus (Heuglin, 1861)
HZM: 1, NHMZ: 10 [**11**].
Chaerephon chapini J.A. Allen, 1917
BMNH: 2, NHMZ: 1, ROM: 4, TM: 3 [**10**].
Chaerephon major (Trouessart, 1897)
BMNH: 2 [**2**].
Chaerephon nigeriae Thomas, 1913
BMNH: 18, NHMZ: 7, ROM: 9, TM: 3, TTU: 1 [**38**].
Chaerephon nigeriae spillmanni (Monard, 1933)
BMNH: 2 [**2**].
Chaerephon pumilus (Cretzschmar, 1826)
NHMZ: 21, ROM: 41, TM: 1, USNM: 1 [**64**].
CHIROPTERA Blumenbach, 1779
ROM: 1 [**1**].
Cloeotis percivali Thomas, 1901
DNSM: 2, HZM: 2, KU: 2, NHMZ: 61, ROM: 30, TM: 22, USNM: 1 [**120**].
Eidolon helvum (Kerr, 1792)
NHMZ: 12 [**12**].
Epomophorus crypturus Peters, 1852
AMNH: 17, BMNH: 2, CM: 5, FMNH: 64, HZM: 14, KM: 1, KU: 1, MNHN: 15, NHMZ: 22, ROM: 19, SMF: 1, TM: 2, USNM: 8, ZMA: 2 [**173**].
Epomophorus dobsonii Bocage, 1889
BMNH: 1 [**1**].
Epomophorus gambianus (Ogilby, 1835)
MNHN: 2 [**2**].
Epomophorus gambianus gambianus (Ogilby, 1835)
MNHN: 1 [**1**].
Epomophorus labiatus (Temminck, 1837)
MNHN: 8 [**8**].
Epomophorus wahlbergi (Sundevall, 1846)
DNSM: 1, HZM: 3, NHMZ: 8, ROM: 4, TM: 4, USNM: 3 [**23**].
Eptesicus hottentotus (A. Smith, 1833)
HZM: 1, NHMZ: 21, ROM: 3 [**25**].
Glauconycteris variegata (Tomes, 1861)
BMNH: 1, FMNH: 6, NHMZ: 6, ROM: 1, TM: 1, WNMU: 1 [**16**].
Hipposideros caffer (Sundevall, 1846)
BMNH: 3, DNSM: 27, FMNH: 2, MCZ: 1, MNHN: 1, NHMZ: 458, ROM: 83, SMF: 1, TM: 44, USNM: 3 [**623**].
Hypsugo anchietae (Seabra, 1900)
NHMZ: 30, ZMA: 1 [**31**].
Kerivoula argentata Tomes, 1861
BMNH: 4, NHMZ: 5, ROM: 1 [**10**].
Kerivoula lanosa (A. Smith, 1847)
BMNH: 1, NHMZ: 1 [**2**].
Laephotis angolensis Monard, 1935
ROM: 8 [**8**].
Laephotis botswanae Setzer, 1971
FMNH: 1, NHMZ: 7, TM: 1 [**9**].
Macronycteris vittatus (Peters, 1852)
BMNH: 1, DNSM: 2, NHMZ: 127, SMF: 9, TM: 1, USNM: 1 [**141**].
Mimetillus moloneyi (Thomas, 1891)
CAS: 2 [**2**].
Miniopterus Bonaparte, 1837
BMNH: 1, ROM: 2 [**3**].
Miniopterus fraterculus Thomas and Schwann, 1906
KU: 1, ROM: 10, SMF: 1 [**12**].

Miniopterus inflatus Thomas, 1903
NHMZ: 4, TM: 4 [**8**].
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013
DNSM: 1 [**1**].
Miniopterus natalensis (A. Smith, 1833)
AMNH: 6, BMNH: 14, CAS: 8, FMNH: 2, KU: 2, NHMZ: 48, ROM: 86, TM: 8, USNM: 1, ZMA: 1 [**176**].
MOLOSSIDAE Gervais, 1856
TM: 1 [**1**].
Mops Lesson, 1842
BMNH: 8, USNM: 6 [**14**].
Mops (Mops) condylurus (A. Smith, 1833)
NHMZ: 39, TM: 1 [**40**].
Mops (Mops) midas (Sundevall, 1843)
BMNH: 1, HZM: 1, NHMZ: 38 [**40**].
Mops (Mops) niveiventer Cabrera and Ruxton, 1926
BMNH: 26 [**26**].
Myonycteris angolensis goliath (Bergmans, 1997)
HZM: 2, NHMZ: 10, ZMA: 2 [**14**].
Myonycteris relicta Bergmans, 1980
NHMZ: 1 [**1**].
Myotis bocagii (Peters, 1870)
HZM: 1, NHMZ: 8, ROM: 1 [**10**].
Myotis tricolor (Temminck, 1832)
NHMZ: 14, TM: 6 [**20**].
Myotis welwitschii (Gray, 1866)
HZM: 3, NHMZ: 7, TM: 1 [**11**].
Neoromicia Roberts, 1926
BMNH: 1, DNSM: 1 [**2**].
Neoromicia capensis (A. Smith, 1829)
BMNH: 5, CM: 1, DNSM: 3, FMNH: 12, HZM: 4, KU: 1, MNHN: 2, NHMZ: 114, ROM: 25, SAMC: 1, TM: 16, USNM: 2, WNMU: 3 [**189**].
Neoromicia nana (Peters, 1852)
BMNH: 1, CM: 9, DNSM: 6, HZM: 1, MCZ: 12, MNHN: 12, NHMZ: 53, ROM: 8, SMF: 2, TM: 25, USNM: 77 [**206**].
Neoromicia rendalli (Thomas, 1889)
TM: 2 [**2**].
Neoromicia somalica (Thomas, 1901)
FMNH: 1 [**1**].
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
BMNH: 2, NHMZ: 2, TM: 3 [**7**].
Neoromicia zuluensis (Roberts, 1924)
BMNH: 3, NHMZ: 35, ROM: 4 [**42**].
Nycteris G. Cuvier and E. Geoffroy, 1795
BMNH: 1, TM: 1 [**2**].
Nycteris grandis Peters, 1865
NHMZ: 5, ROM: 7, TM: 1, USNM: 1 [**14**].
Nycteris hispida (Schreber, 1774)
HZM: 2, NHMZ: 2 [**4**].
Nycteris macrotis Dobson, 1876
NHMZ: 7 [**7**].
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818
AMNH: 2, BMNH: 16, DNSM: 8, FMNH: 24, KU: 1, MNHN: 3, NHMZ: 76, ROM: 68, SMNS: 1, TM: 35, USNM: 15 [**249**].
Nycteris woodi K. Andersen, 1914
BMNH: 1, HZM: 2, NHMZ: 22, ROM: 2, TM: 5 [**32**].
Nycticeinops schlieffenii (Peters, 1859)
BMNH: 6, DNSM: 3, NHMZ: 59, ROM: 7, TM: 7 [**82**].
Otomops martiensseni (Matschie, 1897)
NHMZ: 1, ROM: 1 [**2**].
Pipistrellus hesperidus (Temminck, 1840)
BMNH: 1, DNSM: 2, NHMZ: 9, ROM: 2, TM: 8 [**22**].
Pipistrellus rueppellii (Fischer, 1829)
HZM: 1, NHMZ: 15, ROM: 1 [**17**].
Pipistrellus rusticus (Tomes, 1861)
HZM: 3, MNHN: 1, NHMZ: 25, ROM: 2, TM: 1 [**32**].
Rhinolophus Lacépède, 1799
BMNH: 1 [**1**].
Rhinolophus blasii Peters, 1867
BMNH: 1, HZM: 2, NHMZ: 27, ROM: 3, TM: 1, ZMA: 1 [**35**].
Rhinolophus clivosus Cretzschmar, 1828
DNSM: 1, MCZ: 1, NHMZ: 40, ROM: 40, TM: 7, USNM: 5, ZMA: 1 [**95**].
Rhinolophus darlingi K. Andersen, 1905
BMNH: 9, HNHM: 1, NHMZ: 59, ROM: 36, TM: 5, USNM: 2 [**112**].
Rhinolophus denti Thomas, 1904
ROM: 5 [**5**].
Rhinolophus fumigatus Rüppell, 1842
BMNH: 1, DNSM: 1, FMNH: 2, NHMZ: 26, RMCA: 1, TM: 1, USNM: 2 [**34**].

Rhinolophus lobatus Peters, 1852
BMNH: 5, FMNH: 8, NHMZ: 15, ROM: 3, TM: 19 [**50**].
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
NHMZ: 23 [**23**].
Rhinolophus rhodesiae Roberts, 1946
BMNH: 3, FMNH: 2, HZM: 7, KU: 1, NHMZ: 24, ROM: 2, TM: 1, USNM: 1 [**41**].
Rhinolophus simulator K. Andersen, 1904
BMNH: 4, DNSM: 4, NHMZ: 22, ROM: 3, TM: 8, USNM: 1 [**42**].
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
AMNH: 2, BMNH: 9, DNSM: 4, FMNH: 6, NHMZ: 93, ROM: 73, SAMC: 1, TM: 28, USNM: 4 [**220**].
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)
AMNH: 10, BMNH: 2, DNSM: 1, FMNH: 11, NHMZ: 17, ROM: 21, TM: 25 [**87**].
Sauromys petrophilus (Roberts, 1917)
BMNH: 1, DNSM: 1, NHMZ: 18, ROM: 1, TM: 5 [**26**].
Scotophilus Leach, 1821
MNHN: 2, NHMZ: 2, TM: 3 [**7**].
Scotophilus dinganii (A. Smith, 1833)
AMNH: 13, DNSM: 1, FMNH: 11, NHMZ: 92, ROM: 12, TM: 17, USNM: 5 [**151**].
Scotophilus leucogaster (Cretzschmar, 1826)
DNSM: 1, NHMZ: 16, ROM: 5, TM: 3, USNM: 9 [**34**].
Scotophilus nigrita (Schreber, 1774)
BMNH: 1 [**1**].
Scotophilus viridis (Peters, 1852)
NHMZ: 9, TM: 20 [**29**].
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)
BMNH: 14, MMK: 2, NHMZ: 34, TM: 4 [**54**].
Tadarida aegyptiaca bocagei (Seabra, 1900)
ROM: 19 [**19**].
Tadarida fulminans (Thomas, 1903)
BMNH: 2, DNSM: 2, HZM: 2, NHMZ: 63, ROM: 7, TM: 23 [**99**].
Tadarida lobata (Thomas, 1891)
HZM: 1, NHMZ: 9 [**10**].
Tadarida ventralis (Heuglin, 1861)
NHMZ: 3 [**3**].
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818
BMNH: 2, NHMZ: 33, ROM: 5, SAMC: 1 [**41**].
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818
NHMZ: 5 [**5**].
Triaenops afer Peters, 1877
KU: 1, NHMZ: 1, TM: 1 [**3**].
Vespertilioninae Gray, 1821
BMNH: 1 [**1**].

Total Specimens for Zimbabwe: 3926

Grand total: 129842

Appendix 2f: Voucher Specimens from Protected Areas

This appendix gives an overview of the African IUCN protected areas for which voucher specimens are available.

In subappendix "1" the specimens are sorted by country, protected area and taxon. For each of the protected areas, the following additional information is given: IUCN category, date on which the area was established, and the area it encompasses (in hectares). For each of the taxa, a list of museum acronyms is given, indicating the museum where the voucher specimens are stored. The acronym colour refers to the most recent collection date of the material for that specific taxon and protected area in that museum.
BLACK: no information
GREEN: less than 20 years
BLUE: between 20 and 50 years
ORANGE: between 50 and 100 years
RED: more than 100 years ago.

In subappendix "2" the specimens are sorted by taxon, country and protected area. The museum acronyms behind the protected area name refer to the museums where voucher specimens are available. The colour coding of these acronyms is the same as in the previous subappendix.

Subappendices "3" and "4" give an overview of the number of specimens covered in this report with an indication of the numbers collected in protected areas (In PA) or outside protected areas (Out PA). These data are given as absolute numbers and as percentages of the total number (All) for that taxon. The higher hierarchical level covers all specimens included in its subordinate levels, e.g. the numbers for *Epomophorus* cover *E. angolensis*, *E. anselli*, *E. gambianus*, *E. grandis*, *E. labiatus*, *E. minimus*, and *E. wahlbergi*, as well as specimens identified to the genus level only (as covered in the 2018 report). Furthermore,*E. gambianus* includes the specimens identified as *E. gambianus* and *E. gambianus crypturus*.
In subappendix "3" all of the specimens covered in this report are included, whereas in subappendix "4" only recently collected specimens are included, with recently being defined as in the last 20 years.

Subappendices "5" and "6" are similar to the two previous ones, but instead of specimens, the number of different localities is counted for each taxon. The higher hierarchical level again covers all of the entries for the subordinate levels, but localities in which more than one of the subordinate taxa (or the taxon itself) occur, are only counted once.

The names of the taxa for subappendices "3" through "6" are colour coded as follows:
GREEN: at least 95 % of the specimens/localities is from within a protected area
BLUE: between 75 and 94.99 % of the specimens/localities is from within a protected area
BLACK: between 25.01 and 74.99 % of the specimens/localities is from within a protected area
ORANGE: between 0.01 and 25 % of the specimens/localities is from within a protected area
RED: 0 % of the specimens/localities is from within a protected area.

Appendix 2f1: Sorted by Country, Protected Area, Taxon

Angola

Bikuar/Huila National Park (IUCN category: II, Established on: 26 December 1964, Area: 790 000 ha.):
Neoromicia nana (Peters, 1852): AMNH
Iona National Park (IUCN category: II, Established on: 11 December 1964, Area: 1 515 000 ha.):
Cistugo seabrae Thomas, 1912: BMNH
Kameia National Park (IUCN category: II, Established on: 1 January 1938, Area: 1 445 000 ha.):
Epomophorus crypturus Peters, 1852: MDL
Saccolaimus peli (Temminck, 1853): MDL
Glauconycteris machadoi Hayman, 1963: BMNH
Neoromicia "incertae-sedis" : MDL
Scotoecus albigula Thomas, 1909: MDL, BMNH
Kisama (Quiçãma) National Park (IUCN category: II, Established on: 11 December 1957, Area: 950 000 ha.):
Nycteris macrotis Dobson, 1876: USNM

Luando Integral Nature Reserve (IUCN category: IV, Established on: 11 December 1957, Area: 828 000 ha.):
Epomophorus wahlbergi (Sundevall, 1846): IICA
Luiana Partial Reserve (IUCN category: IV, Established on: 17 September 1966, Area: 840 000 ha.):
Epomophorus crypturus Peters, 1852: CM

Benin

Ouémé Superieur Classified Forest (IUCN category: Not Known, Established on: 1 January 1942, Area: 177 542 ha.):
Epomophorus gambianus (Ogilby, 1835): USNM
Nycteris gambiensis (K. Andersen, 1912): USNM
Nycteris macrotis Dobson, 1876: USNM
Hypsugo savii (Bonaparte, 1837): USNM
Neoromicia nana (Peters, 1852): USNM
Pipistrellus inexspectatus Aellen, 1959: USNM
Pipistrellus nanulus Thomas, 1904: USNM
Pendjari Hunting Zone (IUCN category: VI, Established on: 1 January 1980, Area: 175 000 ha.):
Nycteris macrotis Dobson, 1876: USNM

Botswana

Central Kalahari Game Reserve (IUCN category: IV, Established on: 1 January 1961, Area: 5 180 000 ha.):
Miniopterus natalensis (A. Smith, 1833): TM
Neoromicia capensis (A. Smith, 1829): NHMZ
Chobe National Park (IUCN category: II, Established on: 1 January 1968, Area: 1 057 000 ha.):
Epomophorus crypturus Peters, 1852: NHMZ
Epomophorus dobsonii Bocage, 1889: NHMZ
Hipposideros caffer (Sundevall, 1846): USNM, NHMZ
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris macrotis Dobson, 1876: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM, NHMZ, AMNH
Chaerephon pumilus (Cretzschmar, 1826): NHMZ, TM, AMNH, USNM
Mops (Mops) condylurus (A. Smith, 1833): USNM, NHMZ
Mops (Mops) midas (Sundevall, 1843): NHMZ
Neoromicia capensis (A. Smith, 1829): FMNH
Neoromicia zuluensis (Roberts, 1924): FMNH, TM
Nycticeinops schlieffenii (Peters, 1859): AMNH, NHMZ, TM
CT/11 Wildlife Management Area (IUCN category: Not Known, Area: 297 700 ha.):
Sauromys petrophilus (Roberts, 1917): ROM
Scotophilus dinganii (A. Smith, 1833): ZFMK
Neoromicia capensis (A. Smith, 1829): HZM, ZFMK
CT/3 Wildlife Management Area (IUCN category: Not Known, Area: 210 600 ha.):
Mops (Mops) condylurus (A. Smith, 1833): USNM
Scotophilus dinganii (A. Smith, 1833): USNM
Neoromicia capensis (A. Smith, 1829): NHMZ, USNM
Neoromicia zuluensis (Roberts, 1924): NHMZ
Gemsbok National Park (IUCN category: II, Established on: 1 January 1971, Area: 2 840 000 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Neoromicia capensis (A. Smith, 1829): TM, USNM
Kasane Forest Reserve (IUCN category: Not Known, Established on: 1 January 1968, Area: 16 250 ha.):
Hipposideros caffer (Sundevall, 1846): ROM
NG/13 Wildlife Management Area (IUCN category: Not Known, Area: 293 800 ha.):
Neoromicia capensis (A. Smith, 1829): NHMZ
NG/14 Wildlife Management Area (IUCN category: Not Known, Area: 226 600 ha.):
Epomophorus crypturus Peters, 1852: TM
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
NG/16 Wildlife Management Area (IUCN category: Not Known, Area: 134 000 ha.):
Chaerephon chapini J.A. Allen, 1917: NHMZ
Chaerephon nigeriae Thomas, 1913: NHMZ
Neoromicia nana (Peters, 1852): NHMZ
NG/18 Wildlife Management Area (IUCN category: Not Known, Area: 1 744 ha.):
Neoromicia capensis (A. Smith, 1829): ROM
Neoromicia nana (Peters, 1852): SMW
NG/19 Wildlife Management Area (IUCN category: Not Known, Area: 17 000 ha.):
Epomophorus crypturus Peters, 1852: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
NG/20 Wildlife Management Area (IUCN category: Not Known, Area: 164 700 ha.):
Scotophilus leucogaster (Cretzschmar, 1826): USNM
Neoromicia capensis (A. Smith, 1829): NHMZ
Neoromicia zuluensis (Roberts, 1924): NHMZ
Nycticeinops schlieffenii (Peters, 1859): USNM
Pipistrellus rusticus (Tomes, 1861): NHMZ

NG/21 Wildlife Management Area (IUCN category: Not Known, Area: 22 900 ha.):
Epomophorus crypturus Peters, 1852: NHMZ, USNM
Epomophorus gambianus (Ogilby, 1835): USNM
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: USNM
Nycteris hispida (Schreber, 1774): USNM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: USNM
Chaerephon chapini J.A. Allen, 1917: USNM
Chaerephon nigeriae Thomas, 1913: USNM, NHMZ
Chaerephon pumilus (Cretzschmar, 1826): NHMZ, USNM
Mops (Mops) midas (Sundevall, 1843): USNM
Glauconycteris variegata (Tomes, 1861): USNM
Hypsugo anchietae (Seabra, 1900): NHMZ
Laephotis botswanae Setzer, 1971: USNM
Neoromicia capensis (A. Smith, 1829): NHMZ, USNM
Neoromicia nana (Peters, 1852): USNM
Neoromicia rendalli (Thomas, 1889): USNM
Neoromicia zuluensis (Roberts, 1924): USNM
Pipistrellus rueppellii (Fischer, 1829): NHMZ, USNM
Pipistrellus rusticus (Tomes, 1861): HZM, NHMZ, USNM
NG/22 Wildlife Management Area (IUCN category: Not Known, Area: 57 100 ha.):
Scotophilus dinganii (A. Smith, 1833): NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Neoromicia zuluensis (Roberts, 1924): NHMZ
NG/26 Wildlife Management Area (IUCN category: Not Known, Area: 173 600 ha.):
Epomophorus crypturus Peters, 1852: NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Pipistrellus rueppellii (Fischer, 1829): NHMZ
Pipistrellus rusticus (Tomes, 1861): NHMZ
NG/27A Wildlife Management Area (IUCN category: Not Known, Area: 24 500 ha.):
Epomophorus crypturus Peters, 1852: NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Pipistrellus rusticus (Tomes, 1861): NHMZ
NG/29 Wildlife Management Area (IUCN category: Not Known, Area: 184 700 ha.):
Macronycteris vittatus (Peters, 1852): NHMZ
Glauconycteris variegata (Tomes, 1861): NHMZ
Laephotis botswanae Setzer, 1971: NHMZ
Neoromicia rendalli (Thomas, 1889): NHMZ
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: NHMZ
NG/30 Wildlife Management Area (IUCN category: Not Known, Area: 95 000 ha.):
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Mops (Mops) midas (Sundevall, 1843): NHMZ
NG/4 Wildlife Management Area (IUCN category: Not Known, Area: 263 300 ha.):
Macronycteris vittatus (Peters, 1852): TM, USNM, NHMZ
Rhinolophus denti Thomas, 1904: NHMZ, TM, USNM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ, SMF, USNM
Neoromicia capensis (A. Smith, 1829): SMF
NG/42 Wildlife Management Area (IUCN category: Not Known, Area: 289 500 ha.):
Neoromicia capensis (A. Smith, 1829): NHMZ
Pipistrellus rusticus (Tomes, 1861): NHMZ
NG/43 Wildlife Management Area (IUCN category: Not Known, Area: 344 000 ha.):
Scotophilus Leach, 1821: TM
NG/5 Wildlife Management Area (IUCN category: Not Known, Area: 982 600 ha.):
Macronycteris vittatus (Peters, 1852): USNM
Rhinolophus denti Thomas, 1904: NHMZ
Mops (Mops) condylurus (A. Smith, 1833): USNM
Nxai Pan National Park (IUCN category: II, Established on: 1 January 1971, Area: 240 240 ha.):
Neoromicia capensis (A. Smith, 1829): NHMZ
Okavango Delta System Not Applicable (IUCN category: Not Applicable, Established on: 12 September 1996, Area: 6 864 000 ha.):
Epomophorus crypturus Peters, 1852: NHMZ, TM, HZM, FMNH, AMNH, USNM
Hipposideros caffer (Sundevall, 1846): TM
Macronycteris vittatus (Peters, 1852): NHMZ
Rhinolophus clivosus Cretzschmar, 1828: AMNH
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris macrotis Dobson, 1876: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH, AMNH, KU, MVZ, NHMZ, ROM, USNM, SMNS
Chaerephon nigeriae Thomas, 1913: NHMZ
Chaerephon pumilus (Cretzschmar, 1826): USNM, AMNH
Mops (Mops) condylurus (A. Smith, 1833): USNM
Mops (Mops) midas (Sundevall, 1843): SMF, NHMZ, USNM
Mops (Mops) midas midas (Sundevall, 1843): AMNH

Kerivoula lanosa (A. Smith, 1847): USNM, NHMZ, AMNH
Scotophilus dinganii (A. Smith, 1833): USNM, NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): AMNH, USNM, ZMA
Neoromicia capensis (A. Smith, 1829): USNM, TM, NHMZ, FMNH
Neoromicia nana (Peters, 1852): NHMZ, USNM
Neoromicia rendalli (Thomas, 1889): USNM
Neoromicia zuluensis (Roberts, 1924): NHMZ
Pipistrellus hesperidus (Temminck, 1840): TM
Pipistrellus rueppellii (Fischer, 1829): USNM, TM, FMNH
Pipistrellus rueppellii vernayi Roberts, 1932: AMNH
Pipistrellus rusticus (Tomes, 1861): NHMZ, USNM

Sibuyu Forest Reserve (IUCN category: Not Known, Established on: 1 January 1981, Area: 117 500 ha.):
Nycticeinops schlieffenii (Peters, 1859): NHMZ

Burkina Faso

Arly Faunal Reserve (IUCN category: IV, Established on: 1 January 1954, Area: 76 000 ha.):
Epomophorus gambianus (Ogilby, 1835): USNM
Nycteris hispida (Schreber, 1774): USNM, RMCA

Kabore-Tambi National Park (IUCN category: II, Established on: 1 January 1976, Area: 242 700 ha.):
Rhinolophus fumigatus Rüppell, 1842: AMNH
Nycteris hispida (Schreber, 1774): USNM
Nycteris macrotis Dobson, 1876: AMNH, USNM
Chaerephon pumilus (Cretzschmar, 1826): AMNH
Mops (Mops) demonstrator (Thomas, 1903): AMNH
Scotophilus dinganii (A. Smith, 1833): AMNH
Scotophilus leucogaster (Cretzschmar, 1826): AMNH
Scotophilus viridis (Peters, 1852): AMNH
Neoromicia nana (Peters, 1852): USNM
Neoromicia somalica (Thomas, 1901): USNM
Pipistrellus hesperidus (Temminck, 1840): ROM

Sahel Partial Faunal Reserve (IUCN category: IV, Established on: 1 January 1970, Area: 1 600 000 ha.):
Rhinopoma cystops Thomas, 1903: SMF
Rhinopoma microphyllum (Brünnich, 1782): SMF
Mops (Xiphonycteris) brachypterus (Peters, 1852): RMCA
Neoromicia guineensis (Bocage, 1889): USNM

Burundi

Kibira National Park (IUCN category: IV, Established on: 1 January 1934, Area: 40 000 ha.):
Pipistrellus hesperidus hesperidus (Temminck, 1840): FMNH

Rusizi National Park (IUCN category: IV, Established on: 1 January 1980, Area: 9 000 ha.):
Epomophorus labiatus (Temminck, 1837): RMCA
Lavia frons (E. Geoffroy St.-Hilaire, 1810): RMCA
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: RMCA
Chaerephon pumilus (Cretzschmar, 1826): RMCA
Neoromicia nana (Peters, 1852): ZMB
Neoromicia tenuipinnis (Peters, 1872): ZMB

Cameroon

Babules Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Hipposideros caffer (Sundevall, 1846): ROM
Nycteris hispida (Schreber, 1774): ZFMK

Bambuko Forest Reserve (IUCN category: Not Known, Area: 24 151 ha.):
Scotonycteris zenkeri Matschie, 1894: ROM
Mimetillus moloneyi (Thomas, 1891): ROM
Neoromicia brunnea (Thomas, 1880): ROM
Neoromicia tenuipinnis (Peters, 1872): ROM

Dja Wildlife Reserve (IUCN category: IV, Established on: 1 January 1950, Area: 623 619 ha.):
Nycteris major (K. Andersen, 1912): BMNH

Dja Faunal Reserve Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1987, Area: 526 000 ha.):
Hipposideros caffer (Sundevall, 1846): ROM
Nycteris hispida (Schreber, 1774): ROM
Mimetillus moloneyi (Thomas, 1891): ROM

Douala - Edéa Wildlife Reserve (IUCN category: IV, Established on: 1 January 1932, Area: 128 360 ha.):
Nycteris arge Thomas, 1903: USNM
Nycteris grandis Peters, 1865: USNM
Nycteris hispida (Schreber, 1774): USNM
Nycteris intermedia Aellen, 1959: USNM
Pipistrellus nanulus Thomas, 1904: USNM

Ejagham Forest Reserve (IUCN category: Not Known, Area: 81 146 ha.):
Nycteris arge Thomas, 1903: ROM
Nycteris nana (K. Andersen, 1912): ROM
Pipistrellus grandidieri (Dobson, 1876): ROM

Mangroves de Ndongore National Park (IUCN category: Not Known, Area: 64 475 ha.):
Hipposideros caffer (Sundevall, 1846): ZMB
Glauconycteris argentata (Dobson, 1875): ZMB
Mbam et Djerem National Park (IUCN category: II, Established on: 1 January 2000, Area: 423 478 ha.):
Micropteropus pusillus (Peters, 1868): RMCA
Nanonycteris veldkampii (Jentink, 1888): RMCA
Scotophilus dinganii (A. Smith, 1833): RMCA
Neoromicia capensis (A. Smith, 1829): RMCA
Neoromicia nana (Peters, 1852): RMCA
Mengame Gorilla Sanctuary Wildlife Sanctuary (IUCN category: Not Known, Established on: 1 January 2001, Area: 121 807 ha.):
Epomops franqueti (Tomes, 1860): RMCA
Megaloglossus woermanni Pagenstecher, 1885: RMCA
Myonycteris torquata (Dobson, 1878): RMCA
Scotonycteris zenkeri Matschie, 1894: RMCA
Pipistrellus nanulus Thomas, 1904: RMCA
Nki National Park (IUCN category: II, Established on: 30 December 1994, Area: 293 539 ha.):
Doryrhina cyclops (Temminck, 1853): RMCA

Central African Republic

Gribingui-Bamingui Faunal Reserve (IUCN category: IV, Established on: 1 January 1940, Area: 432 152 ha.):
Epomophorus gambianus (Ogilby, 1835): BMNH, SMF
Manovo-Gounda St. Floris National Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1988, Area: 1 740 000 ha.):
Nycteris hispida (Schreber, 1774): CM
Neoromicia guineensis (Bocage, 1889): CM
Neoromicia nana (Peters, 1852): CM
Neoromicia somalica (Thomas, 1901): CM
Pipistrellus rusticus (Tomes, 1861): CM
Mbaéré-Bodingué National Park (IUCN category: Not Known, Area: 87 200 ha.):
Myopterus whitleyi (Scharff, 1900): Rennes
Zone Pilote de la Sangba Classified Forest (IUCN category: Not Known, Area: 0 ha.):
Epomophorus gambianus (Ogilby, 1835): CM
Coleura afra (Peters, 1852): BMNH
Neoromicia nana (Peters, 1852): CM
Neoromicia somalica (Thomas, 1901): CM

Chad

Mandelia Faunal Reserve (IUCN category: IV, Established on: 1 January 1969, Area: 138 000 ha.):
Neoromicia rendalli (Thomas, 1889): MHNG

Congo (Democratic Republic of the)

Mangrove Nature Reserve or Marine Park Nature Reserve (IUCN category: Not Known, Established on: 1 January 1992, Area: 100 000 ha.):
Epomophorus wahlbergi (Sundevall, 1846): SMF, RMCA
Micropteropus intermedius Hayman, 1963: SMF
Micropteropus pusillus (Peters, 1868): RMCA
Hipposideros ruber (Noack, 1893): RMCA
Rhinolophus lobatus Peters, 1852: RMCA
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: RMCA
Nycteris grandis Peters, 1865: SMF
Nycteris hispida (Schreber, 1774): RMCA
Chaerephon chapini J.A. Allen, 1917: RBINS
Chaerephon leucogaster (A. Grandidier, 1869): AMNH
Chaerephon pumilus (Cretzschmar, 1826): RMCA
Scotophilus dinganii (A. Smith, 1833): RMCA, ZMA, SMF
Glauconycteris argentata (Dobson, 1875): SMF, RMCA
Neoromicia nana (Peters, 1852): SMF, RMCA
Neoromicia tenuipinnis (Peters, 1872): RMCA, RBINS

Côte d'Ivoire

Banco National Park (IUCN category: Not Known, Established on: 1 January 1953, Area: 3 000 ha.):
Epomops buettikoferi (Matschie, 1899): USNM
Nycteris arge Thomas, 1903: MHNG
Hypsugo eisentrauti (Hill, 1968): USNM
Neoromicia brunnea (Thomas, 1880): USNM
Neoromicia tenuipinnis (Peters, 1872): USNM
Classified Forest Name Unknown (CIV) No.66 Classified Forest (IUCN category: Not Known, Area: 0 ha.):
Epomops buettikoferi (Matschie, 1899): USNM
Nycteris arge Thomas, 1903: USNM

Comoé National Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1983, Area: 1 149 250 ha.):
Epomophorus gambianus (Ogilby, 1835): RMCA
Neoromicia somalica (Thomas, 1901): LACM
Foro Foro Classified Forest (IUCN category: Not Known, Area: 0 ha.):
Epomophorus gambianus (Ogilby, 1835): CM
Micropteropus pusillus (Peters, 1868): AMNH
Mount Nimba Strict Nature Reserve Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1981, Area: 5 000 ha.):
Macronycteris gigas (Wagner, 1845): SMF
Mt. Sassandra Classified Forest (IUCN category: Not Known, Area: 0 ha.):
Hypsignathus monstrosus H. Allen, 1862: ORSTOM
Orumbo Boka Classified Forest (IUCN category: Not Known, Area: 0 ha.):
Neoromicia nana (Peters, 1852): MHNG

Democratic Republic of the Congo

Bili-Uere Hunting Reserve (IUCN category: VI, Area: 600 000 ha.):
Epomophorus labiatus (Temminck, 1837): RMNH
Hipposideros abae J.A. Allen, 1917: RMCA
Hipposideros ruber (Noack, 1893): RMCA
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: RMCA
Bombo-Lumene Hunting Reserve (IUCN category: VI, Established on: 1 January 1968, Area: 700 000 ha.):
Micropteropus pusillus (Peters, 1868): RMCA
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: RMCA
Nycteris hispida (Schreber, 1774): RMCA
Chaerephon pumilus (Cretzschmar, 1826): RMCA
Gangala-na Bodio Hunting Reserve (IUCN category: VI, Area: 985 876 ha.):
Epomophorus crypturus Peters, 1852: RMCA
Epomophorus labiatus (Temminck, 1837): AMNH, RMCA
Hipposideros beatus (K. Andersen, 1906): RMCA
Hipposideros caffer (Sundevall, 1846): RMCA, AMNH
Hipposideros ruber (Noack, 1893): AMNH
Lavia frons (E. Geoffroy St.-Hilaire, 1810): AMNH, RMCA
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: RMCA, AMNH, MCZ
Nycteris grandis Peters, 1865: RMCA
Nycteris hispida (Schreber, 1774): RMCA, AMNH
Nycteris macrotis Dobson, 1876: AMNH
Nycteris nana (K. Andersen, 1912): RBINS, RMCA
Chaerephon ansorgei (Thomas, 1913): AMNH, RMCA
Chaerephon chapini J.A. Allen, 1917: AMNH
Chaerephon major (Trouessart, 1897): AMNH, RMCA
Chaerephon pumilus (Cretzschmar, 1826): RMCA
Mops (Mops) demonstrator (Thomas, 1903): RMCA, AMNH
Mops (Mops) midas midas (Sundevall, 1843): AMNH
Mops (Mops) trevori J.A. Allen, 1917: AMNH
Myotis bocagii cupreolus Thomas, 1904: AMNH
Scotophilus dinganii (A. Smith, 1833): RBINS
Scotophilus leucogaster (Cretzschmar, 1826): AMNH
Glauconycteris poensis (Gray, 1842): AMNH
Glauconycteris variegata (Tomes, 1861): RMCA, AMNH
Neoromicia capensis (A. Smith, 1829): RBINS
Neoromicia nana (Peters, 1852): RMCA, RBINS, AMNH
Neoromicia rendalli (Thomas, 1889): RMCA, AMNH
Neoromicia tenuipinnis (Peters, 1872): RMCA, AMNH
Garamba National Park (IUCN category: II, Established on: 17 March 1938, Area: 492 000 ha.):
Neoromicia nana (Peters, 1852): AMNH, RBINS
Garamba National Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1980, Area: 492 000 ha.):
Epomophorus crypturus Peters, 1852: RMCA
Epomophorus labiatus (Temminck, 1837): RMCA
Micropteropus pusillus (Peters, 1868): RMCA
Doryrhina cyclops (Temminck, 1853): RMCA
Hipposideros abae J.A. Allen, 1917: RMCA
Hipposideros beatus (K. Andersen, 1906): RMCA
Hipposideros caffer (Sundevall, 1846): RMCA
Hipposideros ruber (Noack, 1893): RMCA
Lavia frons (E. Geoffroy St.-Hilaire, 1810): RMCA
Rhinolophus fumigatus Rüppell, 1842: RMCA
Rhinolophus lobatus Peters, 1852: RMCA
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: RMCA
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818: RMCA
Nycteris arge Thomas, 1903: RMCA
Nycteris grandis Peters, 1865: RBINS
Nycteris hispida (Schreber, 1774): RBINS, RMCA
Nycteris macrotis Dobson, 1876: RMCA, RBINS, AMNH

Nycteris nana (K. Andersen, 1912): RMCA, RBINS
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: RBINS
Chaerephon ansorgei (Thomas, 1913): RMCA
Chaerephon major (Trouessart, 1897): RMCA
Mops (Mops) condylurus (A. Smith, 1833): RMCA
Mops (Mops) demonstrator (Thomas, 1903): RMCA
Mops (Mops) midas (Sundevall, 1843): RMCA
Mops (Xiphonycteris) thersites (Thomas, 1903): RMCA
Neoromicia Roberts, 1926: RBINS
Neoromicia capensis (A. Smith, 1829): RMCA, RBINS
Neoromicia nana (Peters, 1852): RMCA, RBINS, AMNH
Neoromicia rendalli (Thomas, 1889): RMCA
Nycticeinops schlieffenii (Peters, 1859): RMCA

Kahuzi-Biega National Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1980, Area: 600 000 ha.):
Epomophorus labiatus (Temminck, 1837): RMCA
Megaloglossus woermanni Pagenstecher, 1885: RMCA
Myonycteris torquata (Dobson, 1878): RMCA
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): RMCA
Hipposideros ruber (Noack, 1893): RMCA
Nycteris arge Thomas, 1903: BMNH
Nycteris intermedia Aellen, 1959: BMNH
Glauconycteris argentata (Dobson, 1875): RMCA
Neoromicia capensis (A. Smith, 1829): RMCA
Neoromicia nana (Peters, 1852): RMCA
Neoromicia tenuipinnis (Peters, 1872): RMCA

Kundelungu National Park (IUCN category: II, Established on: 1 January 1970, Area: 760 000 ha.):
Macronycteris vittatus (Peters, 1852): RMCA
Rhinolophus fumigatus Rüppell, 1842: RMCA
Chaerephon ansorgei (Thomas, 1913): RMCA
Myotis bocagii (Peters, 1870): RMCA
Neoromicia nana (Peters, 1852): RMCA

Luama/Shaba Hunting Zone (IUCN category: VI, Area: 0 ha.):
Rhinolophus lobatus Peters, 1852: RMCA

Lubudi - Samppa Hunting Reserve (IUCN category: VI, Established on: 1 January 1968, Area: 9 200 ha.):
Epomophorus crypturus Peters, 1852: RMCA
Myonycteris angolensis (Bocage, 1898): RMCA
Hipposideros ruber (Noack, 1893): RMCA
Rhinolophus clivosus Cretzschmar, 1828: RMCA
Rhinolophus hildebrandtii Peters, 1878: RMCA
Rhinolophus lobatus Peters, 1852: RMCA
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: RMCA
Nycteris grandis Peters, 1865: BMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: RMCA
VESPERTILIONOIDEA Gray, 1821: RMCA
Miniopterus inflatus Thomas, 1903: RMCA
Miniopterus natalensis (A. Smith, 1833): RMCA
Neoromicia nana (Peters, 1852): RMCA
Nycticeinops schlieffenii (Peters, 1859): RBINS

Mai Mpili Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Rousettinae Andersen, 1912: RMCA
Epomops franqueti (Tomes, 1860): RMCA
Micropteropus pusillus (Peters, 1868): RMCA
Hipposideros ruber (Noack, 1893): RMCA

Maiko National Park (IUCN category: II, Established on: 1 November 1970, Area: 1 083 000 ha.):
Hipposideros ruber (Noack, 1893): AMNH

Maniema Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): RMCA
Hypsugo crassulus (Thomas, 1904): BMNH

Massif d'Itombwe Nature Reserve (IUCN category: Not Known, Area: 0 ha.):
Eidolon helvum (Kerr, 1792): RMCA
Megaloglossus woermanni Pagenstecher, 1885: RMCA
Myonycteris angolensis (Bocage, 1898): RMCA
Nycteris arge Thomas, 1903: RMCA

Mondo Missa Hunting Zone (IUCN category: VI, Area: 1 000 000 ha.):
Epomophorus labiatus (Temminck, 1837): RBINS
Lavia frons (E. Geoffroy St.-Hilaire, 1810): RMCA
Nycteris hispida (Schreber, 1774): RMCA, RBINS
Nycteris macrotis Dobson, 1876: RBINS
Nycteris nana (K. Andersen, 1912): RBINS
Otomops martiensseni (Matschie, 1897): RBINS
Neoromicia Roberts, 1926: RBINS
Neoromicia capensis (A. Smith, 1829): AMNH, RBINS
Neoromicia rendalli (Thomas, 1889): RBINS

Okapi Wildlife Reserve Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1996, Area: 1 372 625 ha.):

Epomophorus labiatus (Temminck, 1837): RMCA
Epomops franqueti (Tomes, 1860): RMCA
Hypsignathus monstrosus H. Allen, 1862: RMCA
Megaloglossus woermanni Pagenstecher, 1885: RMCA
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: RMCA
Doryrhina cyclops (Temminck, 1853): RMCA
Hipposideros ruber (Noack, 1893): RMCA
Nycteris grandis Peters, 1865: RMCA
Chaerephon pumilus (Cretzschmar, 1826): RMCA

Parc national des Virunga Not Applicable (IUCN category: Not Applicable, Established on: 18 January 1996, Area: 800 000 ha.):
Epomophorus crypturus Peters, 1852: RMCA
Epomophorus labiatus (Temminck, 1837): RMCA
Epomops franqueti (Tomes, 1860): AMNH
Hypsignathus monstrosus H. Allen, 1862: RMCA
Myonycteris angolensis (Bocage, 1898): AMNH
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): AMNH
Stenonycteris lanosus (Thomas, 1906): RMCA
Hipposideros ruber (Noack, 1893): RMCA
Lavia frons (E. Geoffroy St.-Hilaire, 1810): RMCA, ZMB
Saccolaimus peli (Temminck, 1853): RMCA
Nycteris hispida (Schreber, 1774): RBINS, RMCA
Chaerephon bivittatus (Heuglin, 1861): RMCA
Chaerephon pumilus (Cretzschmar, 1826): RMCA
Mops (Mops) condylurus (A. Smith, 1833): RMCA
Mops (Xiphonycteris) nanulus J.A. Allen, 1917: RMCA
Scotophilus dinganii (A. Smith, 1833): RBINS
Neoromicia nana (Peters, 1852): RBINS, RMCA
Neoromicia tenuipinnis (Peters, 1872): RMCA

Reserve d'Hippopotame de Mangai Hunting Zone (IUCN category: VI, Area: 36 000 ha.):
Nycteris arge Thomas, 1903: CAS
Hypsugo musciculus (Thomas, 1913): MNHN

Rubi-Tele Hunting Zone (IUCN category: VI, Established on: 1 January 1930, Area: 908 000 ha.):
Nycteris grandis Peters, 1865: USNM
Neoromicia nana (Peters, 1852): CM
Neoromicia tenuipinnis (Peters, 1872): CM, USNM

Rutshuru Hunting Reserve (IUCN category: VI, Established on: 1 January 1953, Area: 100 000 ha.):
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): RMCA
Neoromicia nana (Peters, 1852): RMCA
Pipistrellus Kaup, 1829: RMCA

Sankuru Natural Reserve (IUCN category: Not Known, Established on: 6 November 2007, Area: 3 057 000 ha.):
Saccolaimus peli (Temminck, 1853): RMCA
Nycteris hispida (Schreber, 1774): RMCA
Glauconycteris argentata (Dobson, 1875): RMCA

Upemba National Park (IUCN category: II, Established on: 1 January 1939, Area: 1 173 000 ha.):
Micropteropus pusillus (Peters, 1868): RBINS
Myonycteris angolensis (Bocage, 1898): RBINS
Plerotes anchietae (Seabra, 1900): RBINS
Hipposideros caffer (Sundevall, 1846): RBINS
Hipposideros ruber (Noack, 1893): MHNG, RBINS
Lavia frons (E. Geoffroy St.-Hilaire, 1810): RBINS
Rhinolophus hildebrandtii Peters, 1878: RMCA, RBINS
Rhinolophus lobatus Peters, 1852: RBINS
Rhinolophus rhodesiae Roberts, 1946: HNHM
Rhinolophus simulator K. Andersen, 1904: SMF
Cloeotis percivali Thomas, 1901: SMF
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: RBINS
Nycteris arge Thomas, 1903: RBINS
Nycteris hispida (Schreber, 1774): RBINS
Nycteris macrotis Dobson, 1876: HZM, RBINS
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: RBINS
Chaerephon pumilus (Cretzschmar, 1826): RBINS
Otomops martiensseni (Matschie, 1897): RBINS
Miniopterus inflatus rufus Sanborn, 1936: FMNH, MHNG
Myotis bocagii (Peters, 1870): RBINS
Myotis welwitschii (Gray, 1866): RBINS
Neoromicia capensis (A. Smith, 1829): RBINS
Neoromicia nana (Peters, 1852): RBINS, FMNH
Neoromicia rendalli (Thomas, 1889): FMNH
Nycticeinops schlieffenii (Peters, 1859): RBINS

Utunda and Wassa Gorilla Reserve (IUCN category: Not Known, Established on: 1 June 2005, Area: 339 474 ha.):
Hipposideros ruber (Noack, 1893): RMCA
Nycteris arge Thomas, 1903: RMCA
Myotis bocagii (Peters, 1870): RMCA

Virunga National Park (IUCN category: II, Established on: 1 January 1925, Area: 783 536 ha.):

Nycteris arge Thomas, 1903: RBINS, INPBC
Nycteris grandis Peters, 1865: INPBC
Nycteris hispida (Schreber, 1774): INPBC
Nycteris intermedia Aellen, 1959: INPBC
Nycteris nana (K. Andersen, 1912): RBINS
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: INPBC
Scotophilus dinganii (A. Smith, 1833): INPBC
Neoromicia nana (Peters, 1852): RBINS

Yangambi forest and floral reserve Strict Nature Reserve (IUCN category: Ia, Area: 250 000 ha.):
Hypsignathus monstrosus H. Allen, 1862: RMCA
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: RMCA
Nycteris arge Thomas, 1903: RMCA
Nycteris hispida (Schreber, 1774): RBINS
Neoromicia nana (Peters, 1852): RMCA, RBINS

Egypt

Qarun Natural Monument (IUCN category: VI, Established on: 1 January 1989, Area: 134 027 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH

St Catherine Natural Monument (IUCN category: VI, Established on: 1 January 1988, Area: 471 257 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH
Otonycteris hemprichii Peters, 1859: NMP

Equatorial Guinea

Caldera de Luba Scientific Reserve (IUCN category: Ib, Established on: 1 January 2000, Area: 51 000 ha.):
Myonycteris angolensis (Bocage, 1898): AMNH

Pico de Basilé National Park (IUCN category: II, Established on: 1 January 2000, Area: 33 000 ha.):
Myonycteris torquata (Dobson, 1878): ZMB
Doryrhina cyclops (Temminck, 1853): AMNH
Rhinolophus landeri Martin, 1838: AMNH, BMNH
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: ZMB, AMNH
Nycteris hispida (Schreber, 1774): BMNH
Mops (Xiphonycteris) spurrelli (Dollman, 1911): AMNH
Pipistrellus nanulus Thomas, 1904: AMNH

Ethiopia

Abijatta-Shalla Lakes National Park (IUCN category: II, Established on: 1 January 1963, Area: 88 700 ha.):
Epomophorus labiatus (Temminck, 1837): BMNH, SMF
Epomophorus minimus Claessen & De Vree, 1991: USNM

Afdem-Gewane Controlled Hunting Area (IUCN category: VI, Established on: 1 January 1973, Area: 593 200 ha.):
Epomophorus minimus Claessen & De Vree, 1991: SMF

Akobo Controlled Hunting Area (IUCN category: VI, Established on: 1 January 1973, Area: 504 900 ha.):
Pipistrellus rusticus (Tomes, 1861): ZMMU

Arba-Minch National Forest Priority Area (IUCN category: Not Known, Area: 1 252 ha.):
Nycteris hispida (Schreber, 1774): SMF
Scotophilus dinganii (A. Smith, 1833): SMF
Neoromicia nana (Peters, 1852): SMF
Pipistrellus hesperidus (Temminck, 1840): SMF

Awash National Park (IUCN category: II, Established on: 1 January 1969, Area: 75 240 ha.):
Cardioderma cor (Peters, 1872): HNHM
Rhinopoma cystops Thomas, 1903: BMNH, HNHM, SMF
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818: HNHM
Nycteris hispida (Schreber, 1774): USNM, BMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH

Awash West Controlled Hunting Area (IUCN category: VI, Established on: 1 January 1973, Area: 913 600 ha.):
Epomophorus labiatus (Temminck, 1837): USNM
Epomophorus minimus Claessen & De Vree, 1991: BMNH, ROM, SMF, USNM
Nycteris hispida (Schreber, 1774): BMNH, ROM
Pipistrellus rueppellii (Fischer, 1829): ROM

Awash West Wildlife Reserve (IUCN category: IV, Established on: 1 January 1973, Area: 178 100 ha.):
Pipistrellus rusticus (Tomes, 1861): MZUF

Bale Controlled Hunting Area (IUCN category: VI, Established on: 1 January 1973, Area: 966 300 ha.):
Rhinolophus simulator K. Andersen, 1904: SMF

Bale Wildlife Reserve (IUCN category: IV, Established on: 1 January 1973, Area: 176 600 ha.):
Plecotus balensis Kruskop & Lavrenchenko, 2000: ZMMU

Belete Gera National Forest Priority Area (IUCN category: Not Known, Area: 148 354 ha.):
Myotis welwitschii (Gray, 1866): MHNG
Laephotis wintoni Thomas, 1901: ZMMU
Pipistrellus aero Heller, 1912: ZMMU

Borana Controlled Hunting Area (IUCN category: VI, Established on: 1 January 1973, Area: 4 536 600 ha.):
Macronycteris vittatus (Peters, 1852): ZMB

Chelbi Wildlife Reserve (IUCN category: IV, Established on: 1 January 1973, Area: 421 200 ha.):
Epomophorus minimus Claessen & De Vree, 1991: SMNS, BMNH

Nycteris parisii (de Beaux, 1924): BMNH
Dengego-Melka Jedbu National Forest Priority Area (IUCN category: Not Known, Area: 53 619 ha.):
Hipposideros tephrus (Cabrera, 1906): ZMB
Rhinolophus blasii Peters, 1867: ZMB
Triaenops Dobson, 1871: ZMB
Nycteris macrotis Dobson, 1876: ZMB
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: OSU
Scotophilus dinganii (A. Smith, 1833): ZMB
Neoromicia somalica (Thomas, 1901): AMNH, ZMB
Eastern Hararghe (Harar-Wabi Shebelle) Controlled Hunting Area (IUCN category: VI, Established on: 1 January 1973, Area: 2 378 800 ha.):
Epomophorus minimus Claessen & De Vree, 1991: OSU
Erer-Gota Controlled Hunting Area (IUCN category: VI, Established on: 1 January 1973, Area: 238 600 ha.):
Eidolon helvum (Kerr, 1792): RMCA
Scotophilus dinganii (A. Smith, 1833): RMCA
Gambella National Park (IUCN category: II, Established on: 1 January 1974, Area: 506 100 ha.):
Neoromicia tenuipinnis (Peters, 1872): USNM
Gewane Wildlife Reserve (IUCN category: IV, Established on: 1 January 1973, Area: 243 900 ha.):
Epomophorus minimus Claessen & De Vree, 1991: SMNS
Godere National Forest Priority Area (IUCN category: Not Known, Area: 160 000 ha.):
Pipistrellus rusticus (Tomes, 1861): ZMMU
Jikao Controlled Hunting Area (IUCN category: VI, Established on: 1 January 1973, Area: 337 500 ha.):
Epomophorus gambianus (Ogilby, 1835): SMF
Nycteris hispida (Schreber, 1774): BMNH, CM, SMF, ZFMK
Nycteris macrotis Dobson, 1876: ZFMK, BMNH
Scotophilus dinganii (A. Smith, 1833): ZFMK
Scotophilus viridis (Peters, 1852): SMF, ZFMK
Neoromicia guineensis (Bocage, 1889): SMF, CM, ZFMK
Pipistrellus rusticus (Tomes, 1861): SMF, ZFMK
Kubayo National Forest Priority Area (IUCN category: Not Known, Area: 78 444 ha.):
Epomophorus minimus Claessen & De Vree, 1991: ROM
Rhinolophus hildebrandtii Peters, 1878: ZMB
Murle Controlled Hunting Area (IUCN category: VI, Established on: 1 January 1973, Area: 417 200 ha.):
Nycteris parisii (de Beaux, 1924): BMNH
Nechisar National Park (IUCN category: II, Established on: 1 January 1966, Area: 51 400 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH
Omo National Park (IUCN category: II, Established on: 1 January 1959, Area: 406 800 ha.):
Platymops setiger macmillani Thomas, 1906: BMNH
Omo West Controlled Hunting Area (IUCN category: VI, Established on: 1 January 1973, Area: 456 100 ha.):
Epomophorus minimus Claessen & De Vree, 1991: USNM
Shako National Forest Priority Area (IUCN category: Not Known, Area: 101 055 ha.):
Pipistrellus rusticus (Tomes, 1861): ZMMU
Wof-Washa National Forest Priority Area (IUCN category: Not Known, Area: 8 906 ha.):
Epomophorus minimus Claessen & De Vree, 1991: MNHN

Gabon

Ivindo National Park (IUCN category: Not Known, Established on: 4 September 2002, Area: 300 211 ha.):
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015: CUMV

Ghana

Anhwiaso East Forest Reserve (IUCN category: Not Known, Established on: 1 January 1926, Area: 12 432 ha.):
Hipposideros caffer (Sundevall, 1846): ROM
Bimpong Forest Reserve (IUCN category: Not Known, Established on: 1 January 1937, Area: 10 452 ha.):
Epomops buettikoferi (Matschie, 1899): BMNH
Boin Tano Forest Reserve (IUCN category: Not Known, Established on: 1 January 1968, Area: 12 900 ha.):
Epomops buettikoferi (Matschie, 1899): ZFMK
Micropteropus pusillus (Peters, 1868): ZFMK
Hipposideros beatus (K. Andersen, 1906): ZFMK
Hipposideros fuliginosus (Temminck, 1853): ZFMK
Macronycteris gigas (Wagner, 1845): ZFMK
Nycteris arge Thomas, 1903: ZFMK
Mole National Park (IUCN category: II, Established on: 1 January 1971, Area: 484 040 ha.):
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): AMNH
Hipposideros abae J.A. Allen, 1917: AMNH
Hipposideros caffer (Sundevall, 1846): AMNH
Hipposideros ruber (Noack, 1893): AMNH
Rhinolophus landeri Martin, 1838: AMNH
Coleura afra (Peters, 1852): AMNH
Nycteris gambiensis (K. Andersen, 1912): AMNH, BMNH
Nycteris hispida (Schreber, 1774): BMNH
Nycteris macrotis Dobson, 1876: BMNH
Scotophilus nigrita (Schreber, 1774): BMNH

Muro Forest Reserve (IUCN category: Not Known, Established on: 1 January 1951, Area: 6 346 ha.):
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012: ZFMK
Micropteropus pusillus (Peters, 1868): ZFMK
Hipposideros fuliginosus (Temminck, 1853): ZFMK
Hipposideros ruber (Noack, 1893): ZFMK
Macronycteris gigas (Wagner, 1845): ZFMK
Scotophilus nucella Robbins, 1983: ZFMK, NMP
Scotophilus nux Thomas, 1904: ZFMK
Neoromicia nana (Peters, 1852): ZFMK
Pipistrellus nanulus Thomas, 1904: ZFMK
Southern Scarp Forest Reserve (IUCN category: Not Known, Established on: 1 January 1935, Area: 15 462 ha.):
Nycteris arge Thomas, 1903: ROM

Guinea

Mount Nimba Strict Nature Reserve (IUCN category: Ia, Established on: 1 January 1944, Area: 13 000 ha.):
Epomops buettikoferi (Matschie, 1899): BMNH, RBINS
Hipposideros lamottei Brosset, 1985: MHNG, MNHN
Mount Nimba Strict Nature Reserve Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1981, Area: 13 000 ha.):
Epomops buettikoferi (Matschie, 1899): RBINS

Guinea-Bissau

Cantanhez Forest National Park (IUCN category: Not Known, Established on: 1 October 2007, Area: 105 767 ha.):
Neoromicia nana (Peters, 1852): CZL

Kenya

Amboseli National Reserve (IUCN category: II, Established on: 1 January 1974, Area: 39 206 ha.):
Lavia frons (E. Geoffroy St.-Hilaire, 1810): AMNH
Arabuko Sokoke Forest Reserve (IUCN category: Not Known, Established on: 1 January 1943, Area: 41 676 ha.):
Scotophilus viridis (Peters, 1852): AMNH
Buffalo Springs National Reserve (IUCN category: II, Established on: 1 January 1985, Area: 13 100 ha.):
Neoromicia helios (Heller, 1912): CM, ROM
Neoromicia rendalli (Thomas, 1889): CM
Neoromicia zuluensis (Roberts, 1924): SMF
Central Island National Park (IUCN category: II, Established on: 1 January 1983, Area: 500 ha.):
Rhinopoma macinnesi Hayman, 1937: ROM, BMNH
Nycteris hispida (Schreber, 1774): BMNH
Diani Marine National Reserve (IUCN category: Not Known, Established on: 1 January 1995, Area: 7 500 ha.):
Epomophorus wahlbergi (Sundevall, 1846): CM
Hell's Gate National Park (IUCN category: II, Established on: 1 January 1984, Area: 6 800 ha.):
Eptesicus hottentotus (A. Smith, 1833): USNM, CM
Pipistrellus hesperidus (Temminck, 1840): CM
Kakamega Forest Reserve (IUCN category: Not Known, Established on: 1 January 1933, Area: 17 838 ha.):
Epomophorus wahlbergi (Sundevall, 1846): CM
Myotis bocagii (Peters, 1870): NMK, RMCA
Neoromicia nana (Peters, 1852): CM, RMCA
Karura Forest Reserve (IUCN category: Not Known, Established on: 1 January 1932, Area: 1 045 ha.):
Epomophorus wahlbergi (Sundevall, 1846): SMF
Myotis bocagii (Peters, 1870): SMF
Neoromicia capensis (A. Smith, 1829): SMF
Lake Naivasha Not Applicable (IUCN category: Not Applicable, Established on: 10 April 1995, Area: 30 000 ha.):
Myotis tricolor (Temminck, 1832): ROM
Lake Nakuru Not Applicable (IUCN category: Not Applicable, Established on: 5 June 1990, Area: 18 800 ha.):
Pipistrellus hesperidus (Temminck, 1840): CM
Maralai Game Sanctuary (IUCN category: IV, Established on: 1 January 1988, Area: 500 ha.):
Pipistrellus rueppellii (Fischer, 1829): ROM
Marsabit National Reserve (IUCN category: II, Established on: 1 January 1949, Area: 155 400 ha.):
Nycteris hispida (Schreber, 1774): USNM
Masai Mara National Reserve (IUCN category: II, Established on: 1 January 1974, Area: 151 000 ha.):
Epomophorus wahlbergi (Sundevall, 1846): CM, FMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: HNHM
Pipistrellus hesperidus (Temminck, 1840): CM
Matthews Range Forest Reserve (IUCN category: Not Known, Established on: 1 January 1956, Area: 97 392 ha.):
Pipistrellus aero Heller, 1912: USNM
Meru National Park (IUCN category: II, Established on: 1 January 1966, Area: 87 044 ha.):
Nycteris hispida (Schreber, 1774): SMF
Mount Elgon Forest Reserve (IUCN category: Not Known, Established on: 1 January 1932, Area: 73 089 ha.):
Myotis tricolor (Temminck, 1832): ROM

Mount Kenya National Park/Natural Forest Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1997, Area: 143 497 ha.):
Lavia frons (E. Geoffroy St.-Hilaire, 1810): AMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH
Miniopterus natalensis (A. Smith, 1833): USNM
Ngong Hills Forest Reserve (IUCN category: Not Known, Established on: 1 January 1985, Area: 3 081 ha.):
Epomophorus wahlbergi (Sundevall, 1846): USNM
Nycteris macrotis Dobson, 1876: USNM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: USNM
Pipistrellus hesperidus (Temminck, 1840): USNM
Pipistrellus hesperidus hesperidus (Temminck, 1840): FMNH
Ol Donyo Sabuk National Park (IUCN category: II, Established on: 1 January 1967, Area: 1 842 ha.):
Myotis bocagii (Peters, 1870): NMK
Samburu National Reserve (IUCN category: II, Established on: 1 January 1985, Area: 16 500 ha.):
Epomophorus minimus Claessen & De Vree, 1991: BMNH
Scotophilus dinganii (A. Smith, 1833): BMNH
Shimba Hills National Reserve (IUCN category: II, Established on: 1 January 1968, Area: 19 251 ha.):
Epomophorus wahlbergi (Sundevall, 1846): CM, MWSU, RMNH, ROM
Nycteris hispida (Schreber, 1774): RMNH
Nycteris macrotis Dobson, 1876: RMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH
Scotophilus dinganii (A. Smith, 1833): ROM, ZMA, RMNH
Scotophilus nigrita (Schreber, 1774): RMNH
Scotophilus viridis (Peters, 1852): RMNH, ZMA
Hypsugo eisentrauti (Hill, 1968): CM, AMNH
Neoromicia helios (Heller, 1912): ROM
Neoromicia nana (Peters, 1852): ZMA
Neoromicia somalica (Thomas, 1901): CM
Tsavo East National Park (IUCN category: II, Established on: 1 January 1948, Area: 1 174 700 ha.):
Epomophorus wahlbergi (Sundevall, 1846): USNM
Lavia frons (E. Geoffroy St.-Hilaire, 1810): RMCA
Rhinolophus hildebrandtii Peters, 1878: BMNH
Coleura afra (Peters, 1852): AMNH
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: SMF, ROM
Nycteris hispida (Schreber, 1774): SMF, USNM
Nycteris macrotis Dobson, 1876: USNM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH, USNM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): ROM
Pipistrellus hesperidus hesperidus (Temminck, 1840): FMNH
Tsavo West National Park (IUCN category: II, Established on: 1 January 1948, Area: 906 500 ha.):
Miniopterus natalensis (A. Smith, 1833): ROM
Eptesicus hottentotus (A. Smith, 1833): ROM
Witu Forest Reserve (IUCN category: Not Known, Established on: 1 January 1962, Area: 4 002 ha.):
Epomophorus wahlbergi (Sundevall, 1846): AMNH

Lesotho

Lesotho National Park (IUCN category: Not Known, Area: 632 402 ha.):
Rhinolophus clivosus Cretzschmar, 1828: NMB
Rhinolophus darlingi K. Andersen, 1905: NMB
Cistugo lesueuri Roberts, 1919: KM, NMB
Myotis tricolor (Temminck, 1832): NMB
Laephotis wintoni Thomas, 1901: NMB

Liberia

Cape Mount Nature Conservation Unit (IUCN category: Not Known, Established on: 1 January 1977, Area: 55 400 ha.):
Micropteropus pusillus (Peters, 1868): AMNH
Mops (Mops) condylurus (A. Smith, 1833): AMNH
Neoromicia nana (Peters, 1852): AMNH
East Nimba National Forest (IUCN category: Not Known, Established on: 1 January 1960, Area: 9 591 ha.):
Macronycteris gigas (Wagner, 1845): SMF
Lorma National Forest (IUCN category: Not Known, Established on: 1 January 1960, Area: 43 505 ha.):
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012: RMCA
West Nimba National Forest (IUCN category: Not Known, Established on: 1 January 1961, Area: 9 146 ha.):
Nycteris arge Thomas, 1903: BMNH
Nycteris macrotis Dobson, 1876: BMNH
Pipistrellus nanulus Thomas, 1904: AMNH

Madagascar

Ambohijanahary Special Reserve (IUCN category: IV, Established on: 1 January 1958, Area: 4 944 ha.):
Myotis goudoti (A. Smith, 1834): FMNH
Ambohitantely Special Reserve (IUCN category: IV, Established on: 1 January 1982, Area: 4 944 ha.):
Myotis goudoti (A. Smith, 1834): FMNH

Analamerana Special Reserve (IUCN category: IV, Established on: 1 January 1956, Area: 42 002 ha.):
Myotis goudoti (A. Smith, 1834): FMNH
Anjozorobe English designation not known (IUCN category: Not Known, Established on: 1 December 2005, Area: 52 298 ha.):
Myotis goudoti (A. Smith, 1834): UADBA
Ankarafantsika National Park (IUCN category: II, Established on: 1 January 1927, Area: 134 965 ha.):
Pteropus rufus E. Geoffroy St.-Hilaire, 1803: ZMB
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006: UADBA
Ankarana Special Reserve (IUCN category: II, Established on: 1 January 1956, Area: 25 308 ha.):
Eidolon dupreanum (Schegel, 1867): HNHM
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006): FMNH
Nycteris madagascariensis G. Grandidier, 1937: MCZ
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009: FMNH
Miniopterus griveaudi Harrison, 1959: FMNH
Myotis goudoti (A. Smith, 1834): FMNH
Ankodida English designation not known (IUCN category: Not Known, Established on: 1 June 2006, Area: 10 551 ha.):
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008: USNM
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007: USNM
Daraina English designation not known (IUCN category: Not Known, Established on: 1 December 2005, Area: 70 619 ha.):
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006): FMNH
Miniopterus griveaudi Harrison, 1959: FMNH
Myotis goudoti (A. Smith, 1834): FMNH
Fandrina Vondrozo English designation not known (IUCN category: Not Known, Established on: 1 December 2006, Area: 492 961 ha.):
Miniopterus majori Thomas, 1906: BMNH, FMNH
Miniopterus manavi Thomas, 1906: BMNH, FMNH, NMW
Myotis goudoti (A. Smith, 1834): FMNH
Isalo National Park (IUCN category: II, Established on: 1 January 1962, Area: 86 567 ha.):
Myotis goudoti (A. Smith, 1834): FMNH
Kirindy Mitea National Park (IUCN category: VI, Established on: 1 December 1997, Area: 81 135 ha.):
Myotis goudoti (A. Smith, 1834): FMNH
Lokobe Strict Nature Reserve (IUCN category: Ia, Established on: 1 December 1927, Area: 740 ha.):
Chaerephon leucogaster (A. Grandidier, 1869): FMNH
Makira English designation not known (IUCN category: Not Known, Established on: 1 December 2005, Area: 360 191 ha.):
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008: MNHN
Manongarivo Special Reserve (IUCN category: IV, Established on: 1 January 1956, Area: 41 500 ha.):
Myotis goudoti (A. Smith, 1834): FMNH
Midongy du sud National Park (IUCN category: VI, Established on: 1 January 1953, Area: 205 985 ha.):
Myotis goudoti (A. Smith, 1834): FMNH
Mikea English designation not known (IUCN category: Not Known, Established on: 1 March 2007, Area: 321 772 ha.):
Myotis goudoti (A. Smith, 1834): FMNH
Montagne d'Ambre National Park (IUCN category: II, Established on: 1 January 1958, Area: 22 636 ha.):
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008: USNM
Myotis goudoti (A. Smith, 1834): FMNH, UADBA
Rainforests of the Atsinanana Not Applicable (IUCN category: Not Applicable, Established on: 29 June 2007, Area: 272 485 ha.):
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008: FMNH
Myotis goudoti (A. Smith, 1834): FMNH
Tsingy de Bemaraha National Park (IUCN category: Ia, Established on: 1 August 1997, Area: 73 174 ha.):
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006): UADBA
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009: FMNH
Miniopterus griveaudi Harrison, 1959: FMNH
Myotis goudoti (A. Smith, 1834): FMNH
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005: UADBA
Tsingy de Namoroka National Park (IUCN category: VI, Established on: 1 January 1927, Area: 22 071 ha.):
Otomops madagascariensis Dorst, 1953: MNHN
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009: FMNH
Miniopterus griveaudi Harrison, 1959: FMNH
Myotis goudoti (A. Smith, 1834): FMNH
Zahamena Ankeniheny English designation not known (IUCN category: Not Known, Established on: 1 December 2005, Area: 445 838 ha.):
Myotis goudoti (A. Smith, 1834): FMNH
Neoromicia matroka (Thomas and Schwann, 1905): ROM
Zombitse-Vohibasia National Park (IUCN category: II, Established on: 1 December 1997, Area: 36 853 ha.):
Pipistrellus hesperidus (Temminck, 1840): FMNH

Malawi

Dzalanyama Forest Reserve (IUCN category: Not Known, Established on: 1 January 1922, Area: 98 934 ha.):
Neoromicia capensis (A. Smith, 1829): DCDH
Pipistrellus hesperidus (Temminck, 1840): DCDH
Kasungu National Park (IUCN category: II, Established on: 1 January 1970, Area: 231 600 ha.):
Eidolon helvum (Kerr, 1792): ZMA
Epomophorus anselli Bergmans and Van Strien, 2004: ZMA
Epomophorus crypturus Peters, 1852: ZMA

Epomophorus dobsonii Bocage, 1889: ZMA
Epomophorus labiatus (Temminck, 1837): ZMA
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris macrotis Dobson, 1876: NHMZ
Neoromicia capensis (A. Smith, 1829): BMNH, DCDH
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: BMNH

Lengwe National Park (IUCN category: II, Established on: 1 January 1970, Area: 88 700 ha.):
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): ZMA
Neoromicia nana (Peters, 1852): DCDH

Liwonde National Park (IUCN category: II, Established on: 1 January 1973, Area: 53 800 ha.):
Epomophorus labiatus (Temminck, 1837): TM
Hipposideros ruber (Noack, 1893): TM
Nycteris macrotis Dobson, 1876: TM
Neoromicia capensis (A. Smith, 1829): DCDH
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: DCDH
Neoromicia zuluensis (Roberts, 1924): DCDH
Pipistrellus rueppellii (Fischer, 1829): BMNH, DCDH
Scotoecus hindei Thomas, 1901: BMNH

Mangochi Forest Reserve (IUCN category: Not Known, Established on: 1 January 1924, Area: 32 530 ha.):
Otomops martiensseni (Matschie, 1897): NMZL

Matandwe Forest Reserve (IUCN category: Not Known, Established on: 1 January 1931, Area: 26 205 ha.):
Mops (Mops) condylurus (A. Smith, 1833): ROM

Mulanje Forest Reserve (IUCN category: Not Known, Established on: 1 January 1927, Area: 55 209 ha.):
Epomophorus crypturus Peters, 1852: AMNH
Epomophorus labiatus (Temminck, 1837): HZM
Epomophorus wahlbergi (Sundevall, 1846): HZM, KM
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): KM
Rhinolophus fumigatus Rüppell, 1842: KM
Tadarida fulminans (Thomas, 1903): HZM
Neoromicia nana (Peters, 1852): KM

Mvai Forest Reserve (IUCN category: Not Known, Established on: 1 January 1924, Area: 4 268 ha.):
Epomophorus crypturus Peters, 1852: TM

Nkhota-Kota Wildlife Reserve (IUCN category: IV, Established on: 1 January 1954, Area: 180 200 ha.):
Laephotis botswanae Setzer, 1971: DCDH

Nyika National Park (IUCN category: II, Established on: 1 January 1965, Area: 313 400 ha.):
Epomophorus dobsonii Bocage, 1889: ZMA
Plerotes anchietae (Seabra, 1900): SMF
Rhinolophus simulator K. Andersen, 1904: SMF
Pipistrellus hesperidus (Temminck, 1840): DCDH
Pipistrellus hesperidus hesperidus (Temminck, 1840): BMNH

South Viphya Forest Reserve (IUCN category: Not Known, Established on: 1 January 1948, Area: 114 780 ha.):
Laephotis botswanae Setzer, 1971: DCDH
Neoromicia capensis (A. Smith, 1829): DCDH
Neoromicia nana (Peters, 1852): DCDH
Pipistrellus hesperidus (Temminck, 1840): DCDH
Pipistrellus rueppellii (Fischer, 1829): DCDH

Wilindi Forest Reserve (IUCN category: Not Known, Established on: 1 January 1948, Area: 907 ha.):
Epomophorus wahlbergi (Sundevall, 1846): NMZL

Zomba# Forest Reserve (IUCN category: Not Known, Established on: 1 January 1913, Area: 5 957 ha.):
Eidolon helvum (Kerr, 1792): BMNH
Rhinolophus fumigatus Rüppell, 1842: KM
Miniopterus fraterculus Thomas and Schwann, 1906: KM
Miniopterus natalensis (A. Smith, 1833): KM

Morocco

Souss-Massa National Park (IUCN category: Not Known, Established on: 1 January 1991, Area: 33 800 ha.):
Hipposideros tephrus (Cabrera, 1906): NMP

Talassemtane Natural Park (IUCN category: Not Known, Area: 64 600 ha.):
Hypsugo savii (Bonaparte, 1837): USNM

Tazekka National Park (IUCN category: Not Known, Established on: 1 January 1950, Area: 580 ha.):
Plecotus teneriffae Barrett-Hamilton, 1907: NMW

Mozambique

"Bloco C" Luwiri Hunting Reserve (IUCN category: Not Known, Area: 0 ha.):
Triaenops afer Peters, 1877: DNSM
Scotophilus viridis (Peters, 1852): DNSM
Neoromicia nana (Peters, 1852): DNSM
Neoromicia zuluensis (Roberts, 1924): DNSM

Bazaruto National Park (IUCN category: II, Established on: 1 January 1971, Area: 143 000 ha.):
Chaerephon pumilus (Cretzschmar, 1826): TM
Mops (Mops) condylurus (A. Smith, 1833): DNSM

Coutada N. 12 Hunting Reserve (IUCN category: Not Known, Established on: 1 January 1969, Area: 296 000 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ

Coutada Oficial 4 Hunting Reserve (IUCN category: Not Known, Established on: 1 January 1969, Area: 890 000 ha.):
Epomophorus wahlbergi (Sundevall, 1846): USNM
Hipposideros caffer (Sundevall, 1846): NHMZ
Macronycteris vittatus (Peters, 1852): NHMZ
Rhinolophus blasii Peters, 1867: NHMZ
Rhinolophus lobatus Peters, 1852: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ, AMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ, USNM
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Mops (Mops) condylurus (A. Smith, 1833): NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
Kerivoula argentata Tomes, 1861: NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Scotophilus viridis (Peters, 1852): NHMZ
Mimetillus thomasi Hinton, 1920: NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Neoromicia zuluensis (Roberts, 1924): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Coutada Oficial 5 Hunting Reserve (IUCN category: Not Known, Established on: 1 January 1972, Area: 686 000 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Coutada Oficial No. 14 Hunting Reserve (IUCN category: Not Known, Established on: 1 January 1969, Area: 135 000 ha.):
Epomophorus crypturus Peters, 1852: NHMZ
Epomophorus wahlbergi (Sundevall, 1846): NHMZ
Myonycteris angolensis goliath (Bergmans, 1997): NHMZ
Mops (Mops) condylurus (A. Smith, 1833): NHMZ
Hypsugo anchietae (Seabra, 1900): NHMZ
Neoromicia zuluensis (Roberts, 1924): NHMZ
Gorongosa National Park (IUCN category: II, Established on: 1 January 1960, Area: 375 000 ha.):
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Mops (Mops) condylurus (A. Smith, 1833): NHMZ
Limpopo National Park (IUCN category: II, Established on: 1 January 1979, Area: 120 000 ha.):
Hipposideros caffer (Sundevall, 1846): CZL
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: CZL
Maputo Special Reserve (IUCN category: IV, Established on: 1 January 1969, Area: 90 000 ha.):
Epomophorus wahlbergi (Sundevall, 1846): TM
Kerivoula argentata Tomes, 1861: TM
Scotophilus dinganii (A. Smith, 1833): TM
Maronga Forest Reserve (IUCN category: V, Established on: 1 January 1950, Area: 8 300 ha.):
Myonycteris relicta Bergmans, 1980: NHMZ
Niassa Game Reserve (IUCN category: IV, Established on: 1 January 1969, Area: 1 500 000 ha.):
Epomophorus crypturus Peters, 1852: DNSM
Hipposideros caffer (Sundevall, 1846): DNSM
Rhinolophus fumigatus Rüppell, 1842: DNSM
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: DNSM
Triaenops afer Peters, 1877: DNSM
Scotophilus dinganii (A. Smith, 1833): DNSM
Scotophilus viridis (Peters, 1852): DNSM
Neoromicia nana (Peters, 1852): DNSM
Neoromicia zuluensis (Roberts, 1924): DNSM
Nycticeinops schlieffenii (Peters, 1859): DNSM
Regime de Vigilância da Extinta Coutada No. 3 (Nkanga Ntoce) Hunting Reserve (IUCN category: Not Known, Area: 0 ha.):
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Zinave National Park (IUCN category: II, Established on: 1 January 1972, Area: 500 000 ha.):
Epomophorus crypturus Peters, 1852: AMNH
Epomophorus wahlbergi (Sundevall, 1846): MWSU, AMNH
Hipposideros caffer (Sundevall, 1846): AMNH
Rhinolophus lobatus Peters, 1852: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: AMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: AMNH
Chaerephon pumilus (Cretzschmar, 1826): AMNH, NHMZ
Mops (Mops) condylurus (A. Smith, 1833): AMNH
Scotophilus dinganii (A. Smith, 1833): NHMZ
Scotophilus viridis (Peters, 1852): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Scotoecus albigula Thomas, 1909: NHMZ
Scotoecus albofuscus (Thomas, 1890): NHMZ
Scotoecus hindei Thomas, 1901: NHMZ

Namibia

Ai-Ais Hot Springs Game Park (IUCN category: II, Established on: 1 April 1968, Area: 432 197 ha.):
Sauromys petrophilus (Roberts, 1917): KM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): KM

Bwabwata Game Park (IUCN category: Not Known, Area: 633 307 ha.):
Epomophorus crypturus Peters, 1852: TM, AMNH, KM, SMW
Nycteris hispida (Schreber, 1774): KM, TM
MOLOSSIDAE Gervais, 1856: TM
Chaerephon chapini J.A. Allen, 1917: SMW
Chaerephon nigeriae Thomas, 1913: SMW
Kerivoula lanosa (A. Smith, 1847): SMW
Scotophilus Leach, 1821: SMW
Scotophilus dinganii (A. Smith, 1833): SMW
Neoromicia capensis (A. Smith, 1829): NHMZ, SMW
Neoromicia zuluensis (Roberts, 1924): SMW
Etosha National Park (IUCN category: II, Established on: 20 June 1975, Area: 2 215 140 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable (IUCN category: Not Applicable, Established on: 23 August 1995, Area: 600 000 ha.):
Eidolon helvum (Kerr, 1792): SMW
Hipposideros caffer (Sundevall, 1846): SMW
Macronycteris vittatus (Peters, 1852): SMW, TM
Rhinolophus denti Thomas, 1904: SMW
Rhinolophus fumigatus Rüppell, 1842: SMW
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: BMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: SMW
Mops (Mops) midas (Sundevall, 1843): SMW
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): SMW
Neoromicia capensis (A. Smith, 1829): BMNH, SMW
Khaudum Game Park (IUCN category: II, Established on: 1 February 1989, Area: 365 791 ha.):
Chaerephon nigeriae Thomas, 1913: LACM
Scotophilus Leach, 1821: SMW
Scotophilus leucogaster (Cretzschmar, 1826): USNM, LACM
Neoromicia capensis (A. Smith, 1829): LACM
Namib Naukluft National Park (IUCN category: II, Established on: 1 August 1979, Area: 4 976 800 ha.):
Eidolon helvum (Kerr, 1792): SMW
Hipposideros caffer (Sundevall, 1846): SMW, TM
Rhinolophus damarensis Roberts, 1946: SMW, TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: ZFMK, USNM, SMW, TM
Sauromys petrophilus (Roberts, 1917): SMW, TM, NHMZ
Sauromys petrophilus erongensis (Roberts, 1946): BMNH
Cistugo seabrae Thomas, 1912: SMW
Miniopterus natalensis (A. Smith, 1833): USNM, SMW, TM
Eptesicus hottentotus (A. Smith, 1833): USNM, SMW, NHMZ
Laephotis namibensis Setzer, 1971: USNM
Neoromicia capensis (A. Smith, 1829): TM
Neoromicia nana (Peters, 1852): NHMZ
Neoromicia zuluensis (Roberts, 1924): NHMZ, TM
National West Coast Recreation Area Recreation Area (IUCN category: V, Established on: 21 August 1973, Area: 780 000 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: RMCA
Naute Recreational Resort (IUCN category: V, Established on: 15 November 1988, Area: 22 030 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Skeleton Coast Game Park (IUCN category: II, Established on: 15 October 1971, Area: 1 639 000 ha.):
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: SMW
Cistugo seabrae Thomas, 1912: SMW, TM
Sperrgebiet National Park (IUCN category: Not Known, Area: 2 600 000 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: SMW, TM
Neoromicia capensis (A. Smith, 1829): SMW, TM
Von Bach Recreational Resort (IUCN category: V, Established on: 15 August 1972, Area: 4 124 ha.):
Rhinolophus damarensis Roberts, 1946: ZMB
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: ZFMK, ZMB, ZMH
Sauromys petrophilus (Roberts, 1917): SMF
Scotophilus dinganii (A. Smith, 1833): SMF, ZFMK
Neoromicia capensis (A. Smith, 1829): FMNH, SMF

Niger

Tamou Faunal Reserve (IUCN category: IV, Established on: 1 January 1962, Area: 75 600 ha.):
Epomophorus gambianus (Ogilby, 1835): USNM
Nycteris macrotis Dobson, 1876: USNM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: USNM
Termit Massif Faunal Reserve Buffer Zone (IUCN category: Not Known, Area: 1 281 956 ha.):
Asellia tridens (E. Geoffroy St.-Hilaire, 1813): RMCA
'W' National Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1996, Area: 220 000 ha.):
Neoromicia rendalli (Thomas, 1889): USNM

Nigeria

Kamuku National Park (IUCN category: II, Established on: 29 May 1999, Area: 121 130 ha.):
Pipistrellus inexspectatus Aellen, 1959: ROM
Kashimbila Game Reserve (IUCN category: IV, Established on: 1 January 1977, Area: 139 600 ha.):
Hipposideros caffer (Sundevall, 1846): ROM
Kwoiba Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Nycteris hispida (Schreber, 1774): USNM
Numan Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Nycteris hispida (Schreber, 1774): BMNH
Yankari Forest Reserve (IUCN category: II, Established on: 29 May 1999, Area: 225 400 ha.):
Eidolon helvum (Kerr, 1792): HNHM
Epomophorus Bennett, 1836: HNHM
Epomophorus gambianus (Ogilby, 1835): HNHM
Micropteropus pusillus (Peters, 1868): HNHM
Mops (Mops) condylurus (A. Smith, 1833): HNHM

Réunion

Bébour Managed State Biological Reserve (IUCN category: IV, Established on: 5 July 1994, Area: 5 146 ha.):
Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803): RMNH

Rwanda

Akagera National Park (IUCN category: II, Established on: 1 January 1934, Area: 90 000 ha.):
Eidolon helvum (Kerr, 1792): ZMB
Lavia frons (E. Geoffroy St.-Hilaire, 1810): RMCA
Chaerephon pumilus (Cretzschmar, 1826): RMCA
Gishwati Forest Reserve (IUCN category: IV, Established on: 1 January 1933, Area: 600 ha.):
Stenonycteris lanosus (Thomas, 1906): RMCA
Nyungwe National Park (IUCN category: IV, Established on: 1 January 1933, Area: 103 000 ha.):
Myonycteris angolensis (Bocage, 1898): RMCA
Hypsugo cf. eisentrauti Hill, 1968: SMF
Neoromicia nana (Peters, 1852): RMCA

Senegal

Delta du Saloum Not Applicable (IUCN category: Not Applicable, Established on: 3 April 1984, Area: 73 000 ha.):
Nycteris macrotis Dobson, 1876: RBINS
Scotophilus leucogaster (Cretzschmar, 1826): RBINS
Scotophilus viridis (Peters, 1852): RBINS
Neoromicia nana (Peters, 1852): RBINS
Djoudj Not Applicable (IUCN category: Not Applicable, Established on: 11 July 1977, Area: 16 000 ha.):
Pipistrellus rueppellii senegalensis Dorst, 1960: MNHN
Foret de Diambour Forest Reserve (IUCN category: Not Known, Area: 128 126 ha.):
Nycteris gambiensis (K. Andersen, 1912): BMNH
Parc national du Niokolo-Koba Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1981, Area: 913 000 ha.):
Epomophorus gambianus (Ogilby, 1835): USNM
Doryrhina cyclops (Temminck, 1853): IVB
Hipposideros caffer (Sundevall, 1846): IVB
Hipposideros ruber (Noack, 1893): IVB
Hipposideros tephrus (Cabrera, 1906): IVB
Macronycteris vittatus (Peters, 1852): IVB
Lavia frons (E. Geoffroy St.-Hilaire, 1810): RMCA
Rhinolophus landeri Martin, 1838: IVB
Nycteris gambiensis (K. Andersen, 1912): MHNG, USNM
Nycteris hispida (Schreber, 1774): BMNH, RMCA
Nycteris macrotis Dobson, 1876: NMW
Scotophilus viridis (Peters, 1852): BMNH
Neoromicia nana (Peters, 1852): MNHN, RMCA

Seychelles

Aldabra Atoll Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1982, Area: 35 000 ha.):
Paratriaenops pauliani (Goodman and Ranivo, 2008): FMNH, BMNH, CUMZ

Sierra Leone

Outamba-Kilimi National Park (IUCN category: II, Established on: 1 January 1986, Area: 80 813 ha.):
Hipposideros caffer (Sundevall, 1846): USNM
Hypsugo musciculus (Thomas, 1913): USNM
Neoromicia brunnea (Thomas, 1880): USNM
Neoromicia rendalli (Thomas, 1889): USNM
Neoromicia somalica (Thomas, 1901): USNM

Neoromicia tenuipinnis (Peters, 1872): USNM
Pipistrellus nanulus Thomas, 1904: USNM
Singamba Forest Reserve (IUCN category: Not Known, Area: 299 ha.):
Scotophilus dinganii (A. Smith, 1833): RMCA

South Africa

ABE Bailey Provincial Nature Reserve (IUCN category: V, Established on: 1 January 1982, Area: 4 205 ha.):
Rhinolophus Lacépède, 1799: TM
Rhinolophus clivosus Cretzschmar, 1828: TM
Addo Elephant National Park (IUCN category: II, Established on: 1 January 1931, Area: 140 644 ha.):
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): KM
Rhinolophus capensis Lichtenstein, 1823: TM
Neoromicia capensis (A. Smith, 1829): KM
Agulhas National Park (IUCN category: II, Established on: 11 September 1998, Area: 13 185 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM
Ais - Ais/Richtersveld National Park (IUCN category: II, Established on: 1 January 1991, Area: 160 962 ha.):
Rhinolophus capensis Lichtenstein, 1823: KM
Rhinolophus damarensis Roberts, 1946: KM
Aliwal Shoal Marine Protected Area (IUCN category: IV, Established on: 4 June 2004, Area: 12 474 ha.):
Kerivoula argentata Tomes, 1861: AMNH
Augrabies Falls National Park (IUCN category: II, Established on: 1 January 1966, Area: 55 361 ha.):
Sauromys petrophilus (Roberts, 1917): TM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Cistugo seabrae Thomas, 1912: MMK
Neoromicia capensis (A. Smith, 1829): MMK
Pipistrellus rueppellii (Fischer, 1829): MMK
Baobab Tree Reserve Conservation Area (IUCN category: IV, Area: 12 281 ha.):
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Chaerephon pumilus (Cretzschmar, 1826): TM
Sauromys petrophilus (Roberts, 1917): TM
Scotophilus dinganii (A. Smith, 1833): TM
Neoromicia capensis (A. Smith, 1829): DNSM, TM
Neoromicia zuluensis (Roberts, 1924): DNSM
Nycticeinops schlieffenii (Peters, 1859): TM
Pipistrellus rusticus (Tomes, 1861): DNSM
Blouberg Nature Reserve (IUCN category: IV, Established on: 1 January 1977, Area: 12 833 ha.):
Hipposideros caffer (Sundevall, 1846): TM
Sauromys petrophilus (Roberts, 1917): TM
Neoromicia capensis (A. Smith, 1829): TM
Neoromicia zuluensis (Roberts, 1924): TM
Bontebok National Park (IUCN category: II, Established on: 24 March 1961, Area: 3 357 ha.):
Neoromicia capensis (A. Smith, 1829): KM
Boondocks National Heritage Site (IUCN category: Not Known, Area: 2 696 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM
Rhinolophus simulator K. Andersen, 1904: TM
Bronkhorstspruit Municipal Nature Reserve Nature Reserve (IUCN category: Not Known, Area: 883 ha.):
Neoromicia capensis (A. Smith, 1829): TM
Buffelskloof Private Natural Reserve (IUCN category: Not Known, Area: 1 457 ha.):
Eptesicus hottentotus (A. Smith, 1833): TM
Neoromicia capensis (A. Smith, 1829): TM
Pipistrellus hesperidus (Temminck, 1840): TM
Cape Floral Region Protected Areas Not Applicable (IUCN category: Not Applicable, Established on: 30 June 2004, Area: 4 424 000 ha.):
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): SAMC, NHMZ
Rhinolophus capensis Lichtenstein, 1823: TM, SAMC
Rhinolophus clivosus Cretzschmar, 1828: TM, SAMC, NHMZ
Sauromys petrophilus (Roberts, 1917): TM, KM
Sauromys petrophilus umbratus (Shortridge & Carter, 1938): KM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Cistugo lesueuri Roberts, 1919: TM, SAMC, MMK
Miniopterus natalensis (A. Smith, 1833): SAMC, TM
VESPERTILIONIDAE Gray, 1821: SAMC
Myotis tricolor (Temminck, 1832): TM, SAMC, MMK
Eptesicus hottentotus (A. Smith, 1833): TM, SAMC, CM
Laephotis namibensis Setzer, 1971: TM, SAMC
Neoromicia capensis (A. Smith, 1829): CM, TM, KM, SAMC
Cheetah Park Private Nature Reserve (IUCN category: Not Known, Area: 1 062 ha.):
Rhinolophus blasii Peters, 1867: TM
Rhinolophus clivosus Cretzschmar, 1828: TM
Rhinolophus simulator K. Andersen, 1904: TM
Miniopterus natalensis (A. Smith, 1833): TM
Myotis tricolor (Temminck, 1832): TM
Neoromicia capensis (A. Smith, 1829): TM

De Onderstepoort Private Nature Reserve (IUCN category: Not Known, Area: 3 079 ha.):
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Scotophilus dinganii (A. Smith, 1833): TM
Pipistrellus rusticus (Tomes, 1861): TM
Dlinza Nature Reserve Provincial Nature Reserve (IUCN category: Not Known, Area: 203 ha.):
Hipposideros caffer (Sundevall, 1846): DNSM
Myotis tricolor (Temminck, 1832): DNSM
Scotophilus dinganii (A. Smith, 1833): DNSM
Neoromicia capensis (A. Smith, 1829): DNSM
Pipistrellus hesperidus (Temminck, 1840): DNSM
D'nyala Nature Reserve (IUCN category: Not Known, Area: 7 263 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: CM
Driebos State Forest DWAF (Dept. Water & Forestry) Forest Area (IUCN category: Not Known, Area: 28 ha.):
Rhinolophus darlingi K. Andersen, 1905: TM
Rhinolophus swinnyi Gough, 1908: TM
Driekop Caves National Heritage Site (IUCN category: Not Known, Area: 3 079 ha.):
Rhinolophus simulator K. Andersen, 1904: TM
Rhinolophus swinnyi Gough, 1908: TM
Miniopterus fraterculus Thomas and Schwann, 1906: TM
Miniopterus natalensis (A. Smith, 1833): TM
Myotis tricolor (Temminck, 1832): TM
Neoromicia capensis (A. Smith, 1829): TM
Dumaneni Reserve English designation not known (IUCN category: Not Known, Area: 2 665 ha.):
Rhinolophus clivosus Cretzschmar, 1828: USNM
Rhinolophus darlingi K. Andersen, 1905: USNM
Miniopterus natalensis (A. Smith, 1833): USNM
Dwesa-cwebe Provincial Nature Reserve (IUCN category: II, Established on: 1 January 1975, Area: 5 450 ha.):
Neoromicia capensis (A. Smith, 1829): KM
Pipistrellus hesperidus (Temminck, 1840): KM
Fernkloof Nature Reserve (IUCN category: Not Known, Area: 1 380 ha.):
Miniopterus natalensis (A. Smith, 1833): TM
Gamkaberg Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1970, Area: 9 593 ha.):
Cistugo lesueuri Roberts, 1919: SAMC
Miniopterus natalensis (A. Smith, 1833): SAMC
VESPERTILIONIDAE Gray, 1821: SAMC
Goegab Nature Reserve (IUCN category: IV, Established on: 1 January 1966, Area: 14 905 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: MMK
Sauromys petrophilus (Roberts, 1917): KM, TM
Neoromicia capensis (A. Smith, 1829): TM
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve (IUCN category: II, Established on: 1 January 1895, Area: 213 358 ha.):
Epomophorus wahlbergi (Sundevall, 1846): TM
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): DNSM
Rhinolophus clivosus Cretzschmar, 1828: DNSM
Rhinolophus darlingi K. Andersen, 1905: TM, DNSM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM, DNSM
Chaerephon pumilus (Cretzschmar, 1826): DNSM, TM
Mops (Mops) condylurus (A. Smith, 1833): TM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): USNM
Miniopterus natalensis (A. Smith, 1833): DNSM
Kerivoula lanosa (A. Smith, 1847): NM
Myotis bocagii (Peters, 1870): DNSM
Scotophilus dinganii (A. Smith, 1833): DNSM, TM
Scotophilus viridis (Peters, 1852): DNSM
Hypsugo anchietae (Seabra, 1900): DNSM
Neoromicia capensis (A. Smith, 1829): DNSM
Neoromicia nana (Peters, 1852): DNSM, TM
Nycticeinops schlieffenii (Peters, 1859): DNSM
Pipistrellus hesperidus (Temminck, 1840): TM
Greater St Lucia Wetland Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1999, Area: 239 566 ha.):
Epomophorus wahlbergi (Sundevall, 1846): DNSM, TM
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): TM
Hipposideros caffer (Sundevall, 1846): TM, DNSM
Cloeotis percivali Thomas, 1901: DNSM
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: TM
Nycteris hispida (Schreber, 1774): DNSM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: DNSM, TM
Chaerephon ansorgei (Thomas, 1913): TM
Chaerephon pumilus (Cretzschmar, 1826): DNSM, TM
Mops (Mops) condylurus (A. Smith, 1833): DNSM, TM
Miniopterus natalensis (A. Smith, 1833): TM
Kerivoula lanosa (A. Smith, 1847): TM
Scotophilus Leach, 1821: TM
Scotophilus dinganii (A. Smith, 1833): TM, DNSM

Scotophilus viridis (Peters, 1852): DNSM, KM, TM
Hypsugo anchietae (Seabra, 1900): DNSM
Neoromicia capensis (A. Smith, 1829): TM
Neoromicia nana (Peters, 1852): TM
Neoromicia zuluensis (Roberts, 1924): TM
Nycticeinops schlieffenii (Peters, 1859): TM
Pipistrellus hesperidus (Temminck, 1840): TM, DNSM
Scotoecus albofuscus (Thomas, 1890): DNSM

Groendal Wilderness Area Provincial Nature Reserve (IUCN category: Ib, Established on: 1 January 1976, Area: 21 193 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM

Groenkloof National Park (IUCN category: Not Known, Established on: 22 July 2006, Area: 4 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM

Groot-letaba Wildreservaat Wildlife Reserve Wildlife Management Area (IUCN category: IV, Area: 22 516 ha.):
Rhinolophus simulator K. Andersen, 1904: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Chaerephon pumilus (Cretzschmar, 1826): TM
Miniopterus natalensis (A. Smith, 1833): TM

Hans Merensky Nature Reserve (IUCN category: IV, Established on: 1 January 1954, Area: 5 269 ha.):
Rhinolophus Lacépède, 1799: TM
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: TM
Chaerephon pumilus (Cretzschmar, 1826): TM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Scotophilus dinganii (A. Smith, 1833): TM
Scotophilus viridis (Peters, 1852): TM
Neoromicia capensis (A. Smith, 1829): TM
Neoromicia nana (Peters, 1852): TM
Nycticeinops schlieffenii (Peters, 1859): TM
Pipistrellus rusticus (Tomes, 1861): TM

Hans Strijdom Nature Reserve (IUCN category: IV, Established on: 1 January 1978, Area: 4 990 ha.):
Scotophilus dinganii (A. Smith, 1833): TM

Harold Johnson Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1967, Area: 102 ha.):
Epomophorus wahlbergi (Sundevall, 1846): DNSM
Hipposideros caffer (Sundevall, 1846): DNSM
Chaerephon pumilus (Cretzschmar, 1826): DNSM
Hypsugo anchietae (Seabra, 1900): DNSM
Pipistrellus hesperidus (Temminck, 1840): DNSM

Hluhluwe-umfolozi Provincial Nature Reserve (IUCN category: II, Established on: 1 January 1895, Area: 90 013 ha.):
Epomophorus wahlbergi (Sundevall, 1846): TM
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): KM
Hipposideros caffer (Sundevall, 1846): TM, KM, DNSM
Rhinolophus darlingi K. Andersen, 1905: DNSM
Rhinolophus swinnyi Gough, 1908: DNSM, TM
Nycteris hispida (Schreber, 1774): KM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM, DNSM, ZFMK
Chaerephon pumilus (Cretzschmar, 1826): KM, DNSM, TM
Mops (Mops) condylurus (A. Smith, 1833): TM, KM
Miniopterus natalensis (A. Smith, 1833): TM
Kerivoula argentata Tomes, 1861: TM
Scotophilus dinganii (A. Smith, 1833): TM
Scotophilus viridis (Peters, 1852): DNSM, KM
Glauconycteris variegata (Tomes, 1861): KM
Neoromicia capensis (A. Smith, 1829): TM
Neoromicia nana (Peters, 1852): NM
Neoromicia zuluensis (Roberts, 1924): TM
Pipistrellus hesperidus (Temminck, 1840): TM

Isaac Stegmann Private Nature Reserve (IUCN category: Not Known, Area: 306 ha.):
Rhinolophus Lacépède, 1799: TM
Rhinolophus blasii Peters, 1867: TM
Rhinolophus clivosus Cretzschmar, 1828: KM, TM
Miniopterus fraterculus Thomas and Schwann, 1906: KM
Miniopterus natalensis (A. Smith, 1833): TM
Myotis tricolor (Temminck, 1832): TM

Ithala Provincial Nature Reserve (IUCN category: II, Established on: 1 January 1972, Area: 29 356 ha.):
Hipposideros caffer (Sundevall, 1846): DNSM
Rhinolophus blasii Peters, 1867: TM
Rhinolophus clivosus Cretzschmar, 1828: DNSM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): DNSM, TM
Miniopterus fraterculus Thomas and Schwann, 1906: TM
Miniopterus natalensis (A. Smith, 1833): DNSM
Myotis tricolor (Temminck, 1832): DNSM, TM
Scotophilus dinganii (A. Smith, 1833): DNSM, TM
Eptesicus hottentotus (A. Smith, 1833): TM
Neoromicia capensis (A. Smith, 1829): TM, DNSM
Neoromicia nana (Peters, 1852): DNSM, TM

John Nash Nature Reserve Natural Heritage Site National Heritage Site (IUCN category: Not Known, Area: 3 165 ha.):
Rhinolophus blasii Peters, 1867: TM
Rhinolophus clivosus Cretzschmar, 1828: TM, AMNH, DNSM
Rhinolophus darlingi K. Andersen, 1905: TM
Miniopterus fraterculus Thomas and Schwann, 1906: USNM
Miniopterus natalensis (A. Smith, 1833): USNM, TM
Myotis tricolor (Temminck, 1832): ROM, TM
Kammanassie Mountain Catchment Area (IUCN category: Not Known, Area: 22 533 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM
Karkloof Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1980, Area: 2 082 ha.):
Miniopterus fraterculus Thomas and Schwann, 1906: TM
Karoo National Park (IUCN category: II, Established on: 1 January 1979, Area: 76 788 ha.):
Cistugo lesueuri Roberts, 1919: TM
Neoromicia capensis (A. Smith, 1829): TM
Kenneth Stainbank Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1963, Area: 223 ha.):
Scotophilus dinganii (A. Smith, 1833): DNSM
Kgalagadi Transfrontier Park National Park (IUCN category: II, Established on: 1 January 1931, Area: 947 555 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: MMK
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Scotophilus dinganii (A. Smith, 1833): MMK
Neoromicia capensis (A. Smith, 1829): MMK, TM, USNM
Klaserie Private Nature Reserve (IUCN category: IV, Area: 58 842 ha.):
Epomophorus crypturus Peters, 1852: TM
Rhinolophus clivosus Cretzschmar, 1828: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Mops (Mops) midas (Sundevall, 1843): TM
Nycticeinops schlieffenii (Peters, 1859): TM
Koedoeskop Game Ranch Game Farm (IUCN category: Not Known, Area: 7 104 ha.):
Neoromicia capensis (A. Smith, 1829): DNSM
Krantzkloof Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1950, Area: 585 ha.):
Hipposideros caffer (Sundevall, 1846): DNSM
Rhinolophus capensis Lichtenstein, 1823: TM
Myotis bocagii (Peters, 1870): DNSM
Scotophilus dinganii (A. Smith, 1833): DNSM
Eptesicus hottentotus (A. Smith, 1833): TM
Neoromicia nana (Peters, 1852): DNSM
Pipistrellus hesperidus (Temminck, 1840): TM, DNSM
Kruger National Park (IUCN category: Not Known, Established on: 1 January 1926, Area: 915 053 ha.):
Epomophorus crypturus Peters, 1852: AMNH, TM, CM
Epomophorus wahlbergi (Sundevall, 1846): AMNH, TM, NMB, CM, KM
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): TM, NHMZ
Hipposideros caffer (Sundevall, 1846): TM, KM, AMNH
Macronycteris vittatus (Peters, 1852): TM
Rhinolophus blasii Peters, 1867: TM
Rhinolophus clivosus Cretzschmar, 1828: TM
Rhinolophus darlingi K. Andersen, 1905: TM, AMNH
Rhinolophus fumigatus Rüppell, 1842: TM
Rhinolophus lobatus Peters, 1852: TM
Rhinolophus rhodesiae Roberts, 1946: TM
Rhinolophus simulator K. Andersen, 1904: TM, AMNH
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: TM
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: TM, NHMZ, AMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM, AMNH, NHMZ
Nycteris woodi K. Andersen, 1914: TM
Chaerephon ansorgei (Thomas, 1913): AMNH, TM
Chaerephon pumilus (Cretzschmar, 1826): KM, NHMZ, TM, AMNH
Mops (Mops) condylurus (A. Smith, 1833): TM, AMNH
Mops (Mops) midas (Sundevall, 1843): NHMZ, TM
Sauromys petrophilus (Roberts, 1917): TM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM, DNSM, NHMZ
Tadarida fulminans (Thomas, 1903): TM
Miniopterus natalensis (A. Smith, 1833): TM, AMNH, NHMZ
VESPERTILIONIDAE Gray, 1821: TM
Kerivoula argentata Tomes, 1861: TM
Kerivoula lanosa (A. Smith, 1847): TM
Myotis bocagii (Peters, 1870): DNSM, SNP, TM
Myotis bocagii bocagii (Peters, 1870): AMNH
Myotis tricolor (Temminck, 1832): TM, AMNH
Myotis welwitschii (Gray, 1866): TM, SNP
Scotophilus Leach, 1821: TM
Scotophilus dinganii (A. Smith, 1833): TM, NHMZ, AMNH
Scotophilus leucogaster (Cretzschmar, 1826): TM, KM
Scotophilus nigrita (Schreber, 1774): TM
Scotophilus viridis (Peters, 1852): AMNH, NHMZ, TM
Eptesicus hottentotus (A. Smith, 1833): TM, CM
Glauconycteris variegata (Tomes, 1861): AMNH, TM, NHMZ

Hypsugo anchietae (Seabra, 1900): TM
Laephotis botswanae Setzer, 1971: TM
Neoromicia capensis (A. Smith, 1829): CM, NHMZ, AMNH, TM
Neoromicia nana (Peters, 1852): AMNH, TM, SMF, NHMZ, BMNH, CM
Neoromicia somalica (Thomas, 1901): LACM, MHNG, AMNH
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: TM, CM
Neoromicia zuluensis (Roberts, 1924): TM, NHMZ, CM
Nycticeinops schlieffenii (Peters, 1859): TM, NHMZ, AMNH
Pipistrellus hesperidus (Temminck, 1840): TM
Pipistrellus rueppellii (Fischer, 1829): NHMZ, CM, TM
Pipistrellus rueppellii vernayi Roberts, 1932: AMNH
Pipistrellus rusticus (Tomes, 1861): NHMZ, CM, BMNH, AMNH, TM

Kubusi Indigenous State Forest DWAF (Dept. Water & Forestry) Forest Area (IUCN category: IV, Area: 2 309 ha.):
Rhinolophus Lacépède, 1799: TM

Langeberg -wes Mountain Catchment Area (IUCN category: Not Known, Area: 61 733 ha.):
Rhinolophus capensis Lichtenstein, 1823: SAMC
Rhinolophus clivosus Cretzschmar, 1828: KM
Miniopterus natalensis (A. Smith, 1833): KM, SAMC
Myotis tricolor (Temminck, 1832): KM, SAMC

Legalameetse Nature Reserve (IUCN category: IV, Established on: 1 January 1984, Area: 18 887 ha.):
Epomophorus wahlbergi (Sundevall, 1846): TM
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): TM
Hipposideros caffer (Sundevall, 1846): TM
Rhinolophus clivosus Cretzschmar, 1828: TM
Rhinolophus darlingi K. Andersen, 1905: TM
Miniopterus natalensis (A. Smith, 1833): TM

Loskop Dam Provincial Nature Reserve (IUCN category: Not Known, Established on: 1 January 1954, Area: 22 911 ha.):
Epomophorus wahlbergi (Sundevall, 1846): TM
Hipposideros caffer (Sundevall, 1846): TM
Rhinolophus simulator K. Andersen, 1904: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Miniopterus natalensis (A. Smith, 1833): TM
Scotophilus dinganii (A. Smith, 1833): TM
Pipistrellus hesperidus (Temminck, 1840): TM

Madikwe Nature Reserve (IUCN category: IV, Established on: 1 January 1992, Area: 59 539 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM
Rhinolophus darlingi K. Andersen, 1905: TM
Rhinolophus simulator K. Andersen, 1904: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Scotophilus dinganii (A. Smith, 1833): TM
Pipistrellus rusticus (Tomes, 1861): TM

Magaliesberg Nature Area Nature Reserve (IUCN category: Not Known, Area: 81 668 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Sauromys petrophilus (Roberts, 1917): TM
Miniopterus natalensis (A. Smith, 1833): TM
Scotophilus dinganii (A. Smith, 1833): TM
Eptesicus hottentotus (A. Smith, 1833): USNM

Manyeleti Game Reserve Game Farm (IUCN category: IV, Established on: 1 January 1967, Area: 22 621 ha.):
Hipposideros caffer (Sundevall, 1846): TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Chaerephon pumilus (Cretzschmar, 1826): TM
Scotophilus dinganii (A. Smith, 1833): TM
Neoromicia capensis (A. Smith, 1829): TM
Neoromicia nana (Peters, 1852): TM

Mapungubwe National Park (IUCN category: Not Known, Established on: 9 June 1995, Area: 21 034 ha.):
Epomophorus crypturus Peters, 1852: TM
Epomophorus wahlbergi (Sundevall, 1846): TM
Hipposideros caffer (Sundevall, 1846): TM
Rhinolophus darlingi K. Andersen, 1905: TM
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: TM
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Nycteris woodi K. Andersen, 1914: TM
Sauromys petrophilus (Roberts, 1917): TM
Eptesicus hottentotus (A. Smith, 1833): TM
Neoromicia capensis (A. Smith, 1829): TM, CM
Neoromicia zuluensis (Roberts, 1924): CM, TM
Pipistrellus rusticus (Tomes, 1861): CM, TM

Mkambati Marine Protected Area (IUCN category: Not Known, Established on: 4 June 2004, Area: 13 000 ha.):
Epomophorus wahlbergi (Sundevall, 1846): TM
Rhinolophus clivosus Cretzschmar, 1828: KM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: KM

Scotophilus dinganii (A. Smith, 1833): KM
Neoromicia capensis (A. Smith, 1829): KM
Mooibron National Heritage Site (IUCN category: Not Known, Area: 7 265 ha.):
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): DNSM
Motlatse Canyon Nature Reserve (IUCN category: IV, Established on: 1 January 1965, Area: 53 731 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM
Rhinolophus darlingi K. Andersen, 1905: TM
Rhinolophus fumigatus Rüppell, 1842: TM
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Miniopterus natalensis (A. Smith, 1833): TM
Kerivoula lanosa (A. Smith, 1847): TM
Myotis tricolor (Temminck, 1832): TM
Vespertilioninae Gray, 1821: TM
Neoromicia nana (Peters, 1852): TM
Pipistrellus rusticus (Tomes, 1861): TM
Mountainlands Provincial Nature Reserve (IUCN category: Not Known, Area: 16 685 ha.):
Rhinolophus clivosus Cretzschmar, 1828: DNSM
Mt Anderson Conservation Area (IUCN category: Not Known, Area: 1 285 ha.):
Miniopterus natalensis (A. Smith, 1833): TM
Ndumo Provincial Nature Reserve (IUCN category: II, Established on: 1 January 1924, Area: 11 861 ha.):
Epomophorus wahlbergi (Sundevall, 1846): TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
MOLOSSIDAE Gervais, 1856: TM
Chaerephon nigeriae Thomas, 1913: NM
Chaerephon pumilus (Cretzschmar, 1826): TM
Mops (Mops) condylurus (A. Smith, 1833): TM
Scotophilus viridis (Peters, 1852): TM
Neoromicia nana (Peters, 1852): KM
Nycticeinops schlieffenii (Peters, 1859): TM
Pipistrellus hesperidus (Temminck, 1840): TM
Nkandla Provincial Nature Reserve (IUCN category: II, Established on: 1 January 1948, Area: 2 222 ha.):
Pipistrellus hesperidus (Temminck, 1840): DNSM
No Name 14 Conservation Area (IUCN category: Not Known, Area: 16 888 ha.):
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: TM
Scotophilus dinganii (A. Smith, 1833): TM
No Name 18 Conservation Area (IUCN category: Not Known, Area: 67 ha.):
Scotophilus dinganii (A. Smith, 1833): TM
No Name 2 Conservation Area (IUCN category: Not Known, Area: 26 501 ha.):
Scotophilus dinganii (A. Smith, 1833): TM
No Name 27 Conservation Area (IUCN category: Not Known, Area: 10 395 ha.):
Myotis bocagii (Peters, 1870): TM
Myotis tricolor (Temminck, 1832): TM
No Name 6 Conservation Area (IUCN category: Not Known, Area: 5 686 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM
North Park Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1968, Area: 42 ha.):
Pipistrellus hesperidus (Temminck, 1840): DNSM
Nylsvley Nature Reserve (IUCN category: IV, Established on: 1 January 1973, Area: 3 101 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Neoromicia capensis (A. Smith, 1829): TM
Pipistrellus rusticus (Tomes, 1861): TM
Oribi Gorge Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1950, Area: 1 881 ha.):
Epomophorus wahlbergi (Sundevall, 1846): TM
Hipposideros caffer (Sundevall, 1846): TM
Chaerephon pumilus (Cretzschmar, 1826): TM
Myotis tricolor (Temminck, 1832): TM
Scotophilus dinganii (A. Smith, 1833): TM
Overvaal Municipal Nature Reserve (IUCN category: Not Known, Area: 401 ha.):
Neoromicia capensis (A. Smith, 1829): DNSM
Oviston Nature Reserve (IUCN category: IV, Established on: 1 January 1971, Area: 35 944 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: MMK
Neoromicia capensis (A. Smith, 1829): NMB
Percy Fyfe Nature Reserve (IUCN category: IV, Established on: 1 January 1954, Area: 2 976 ha.):
Rhinolophus darlingi K. Andersen, 1905: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Scotophilus dinganii (A. Smith, 1833): TM
Neoromicia capensis (A. Smith, 1829): TM
Phongola Nature Reserve Provincial Nature Reserve (IUCN category: Not Known, Area: 5 329 ha.):
Chaerephon pumilus (Cretzschmar, 1826): TM
Pilansberg Game Reserve Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1979, Area: 46 822 ha.):
Sauromys petrophilus (Roberts, 1917): TM
Protected Area (Name Unknown) ZAF No.2 English designation not known (IUCN category: Not Known, Established on: 1 January 2003, Area: 0 ha.):
Neoromicia zuluensis (Roberts, 1924): TM

Rockdale Game Ranch Game Farm (IUCN category: Not Known, Area: 12 191 ha.):
Scotophilus dinganii (A. Smith, 1833): KM
Neoromicia capensis (A. Smith, 1829): KM
Rustenburg Nature Reserve (IUCN category: IV, Established on: 1 January 1967, Area: 4 626 ha.):
Neoromicia capensis (A. Smith, 1829): TM
S.A. Lombard Nature Reserve (IUCN category: IV, Established on: 1 January 1949, Area: 3 613 ha.):
Neoromicia capensis (A. Smith, 1829): TM
Sabie Sand Private Natural Reserve (IUCN category: Not Known, Area: 56 736 ha.):
Epomophorus crypturus Peters, 1852: TM
Sabie Sand Provincial Nature Reserve (IUCN category: Not Known, Area: 20 521 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Sabie Sand Private Natural Reserve (IUCN category: Not Known, Area: 56 736 ha.):
Chaerephon pumilus (Cretzschmar, 1826): TM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Scotophilus dinganii (A. Smith, 1833): TM
Neoromicia capensis (A. Smith, 1829): TM
Neoromicia zuluensis (Roberts, 1924): TM
Nycticeinops schlieffenii (Peters, 1859): TM
Selati Game Reserve Game Farm (IUCN category: IV, Area: 201 657 ha.):
Chaerephon pumilus (Cretzschmar, 1826): TM
Neoromicia capensis (A. Smith, 1829): TM
Settlers Park Local Authority Nature Reserve Nature Reserve (IUCN category: Not Known, Area: 75 ha.):
Rhinolophus capensis Lichtenstein, 1823: NHMZ
Neoromicia capensis (A. Smith, 1829): DNSM
Songimvelo Provincial Nature Reserve (IUCN category: Not Known, Established on: 1 January 1983, Area: 49 076 ha.):
Rhinolophus clivosus Cretzschmar, 1828: DNSM, USNM
Miniopterus natalensis (A. Smith, 1833): DNSM
Spioenkop Provincial Nature Reserve (IUCN category: IV, Area: 5 439 ha.):
Neoromicia capensis (A. Smith, 1829): TM
Sterkfontein Dam Nature Reserve (IUCN category: IV, Established on: 1 January 1987, Area: 18 490 ha.):
Eptesicus hottentotus (A. Smith, 1833): NMB
Sudwala Reenwoud National Heritage Site (IUCN category: Not Known, Area: 245 ha.):
Rhinolophus blasii Peters, 1867: TM
Rhinolophus clivosus Cretzschmar, 1828: TM
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: TM
Rhinolophus lobatus Peters, 1852: TM
Chaerephon pumilus (Cretzschmar, 1826): TM
Suikerbosrand Provincial Nature Reserve Provincial Nature Reserve (IUCN category: II, Established on: 1 January 1974, Area: 11 991 ha.):
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Neoromicia capensis (A. Smith, 1829): DNSM, TM
Table Mountain National Park Marine Protected Area (IUCN category: IV, Established on: 4 June 2004, Area: 95 325 ha.):
Rhinolophus clivosus Cretzschmar, 1828: SAMC
Tankwa-Karoo National Park (IUCN category: II, Established on: 1 January 1986, Area: 69 863 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: MMK
Tembe Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1983, Area: 29 987 ha.):
MOLOSSIDAE Gervais, 1856: TM
Chaerephon pumilus (Cretzschmar, 1826): DNSM, TM
Scotophilus dinganii (A. Smith, 1833): DNSM
Scotophilus viridis (Peters, 1852): DNSM, TM
Hypsugo anchietae (Seabra, 1900): DNSM
Timbavati Game Reserve Game Farm (IUCN category: IV, Area: 50 220 ha.):
Chaerephon pumilus (Cretzschmar, 1826): TM
Tsitsikamma National Park (IUCN category: II, Established on: 29 December 2000, Area: 29 838 ha.):
Rhinolophus Lacépède, 1799: TM
Rhinolophus capensis Lichtenstein, 1823: NHMZ
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Miniopterus natalensis (A. Smith, 1833): TM
UKhahlamba / Drakensberg Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 2000, Area: 242 813 ha.):
Rhinolophus clivosus Cretzschmar, 1828: DNSM, TM
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: DNSM
Neoromicia capensis (A. Smith, 1829): TM, DNSM
Umlalazi Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1948, Area: 1 189 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: DNSM
Pipistrellus hesperidus (Temminck, 1840): DNSM, TM
Unknown 57 DWAF (Dept. Water & Forestry) Forest Area (IUCN category: Not Known, Area: 6 989 ha.):
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Van Riebeeck Park Municipal Nature Reserve Nature Reserve (IUCN category: Not Known, Area: 3 507 ha.):
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Neoromicia capensis (A. Smith, 1829): TM
Van Stadensberg Natural Heritage Site National Heritage Site (IUCN category: Not Known, Area: 1 163 ha.):
Neoromicia capensis (A. Smith, 1829): KM
Vernon Crookes Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1973, Area: 2 230 ha.):
Hipposideros caffer (Sundevall, 1846): TM
Rhinolophus simulator K. Andersen, 1904: TM, DNSM

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: DNSM, TM
Miniopterus fraterculus Thomas and Schwann, 1906: TM
Miniopterus natalensis (A. Smith, 1833): TM
Myotis tricolor (Temminck, 1832): TM
Scotophilus dinganii (A. Smith, 1833): TM
Neoromicia nana (Peters, 1852): DNSM

Vredefort Dome - Core Area Not Applicable (IUCN category: Not Applicable, Established on: 14 July 2005, Area: 60 216 ha.):
Rhinolophus clivosus Cretzschmar, 1828: NMB
Sauromys petrophilus (Roberts, 1917): TM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): NMB, TM
Neoromicia capensis (A. Smith, 1829): NMB, BMNH

Vrolijkheid Provincial Nature Reserve (IUCN category: II, Established on: 1 January 1959, Area: 1 966 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: KM

Weenen Provincial Nature Reserve (IUCN category: IV, Established on: 1 January 1975, Area: 4 922 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: DNSM
Neoromicia capensis (A. Smith, 1829): DNSM, TM

West Coast National Park (IUCN category: II, Established on: 1 January 1985, Area: 24 182 ha.):
Rhinolophus capensis Lichtenstein, 1823: TM
Rhinolophus clivosus Cretzschmar, 1828: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM

Wolkberg (serala) Wilderness Area Conservation Area (IUCN category: IV, Established on: 1 January 1977, Area: 18 423 ha.):
Rhinolophus clivosus Cretzschmar, 1828: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Miniopterus natalensis (A. Smith, 1833): TM

Wonderkop Nature Reserve (IUCN category: IV, Established on: 1 January 1992, Area: 18 221 ha.):
Rhinolophus blasii Peters, 1867: TM
Rhinolophus darlingi K. Andersen, 1905: TM
Neoromicia capensis (A. Smith, 1829): TM

Zoutpan Private Nature Reserve (IUCN category: Not Known, Area: 1 552 ha.):
Scotophilus dinganii (A. Smith, 1833): TM
Pipistrellus rusticus (Tomes, 1861): TM

Sudan

Shambe National Park (IUCN category: II, Established on: 1 January 1985, Area: 62 000 ha.):
Nycteris hispida (Schreber, 1774): ROM

Swaziland

Hlane Game Sanctuary (IUCN category: VI, Established on: 1 January 1967, Area: 14 164 ha.):
Hipposideros caffer (Sundevall, 1846): DNSM, TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Chaerephon pumilus (Cretzschmar, 1826): TM
Neoromicia capensis (A. Smith, 1829): DNSM
Neoromicia zuluensis (Roberts, 1924): DNSM, TM
Nycticeinops schlieffenii (Peters, 1859): DNSM

Malolotja Nature Reserve (IUCN category: IV, Established on: 1 January 1972, Area: 18 175 ha.):
Hipposideros caffer (Sundevall, 1846): NMB
Rhinolophus clivosus Cretzschmar, 1828: TM
Rhinolophus darlingi K. Andersen, 1905: DNSM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): TM
Miniopterus fraterculus Thomas and Schwann, 1906: TM
Scotophilus dinganii (A. Smith, 1833): NMB
Neoromicia capensis (A. Smith, 1829): NMB, TM
Neoromicia nana (Peters, 1852): NMB
Pipistrellus hesperidus (Temminck, 1840): TM

Mlawula Nature Reserve (IUCN category: IV, Established on: 1 January 1977, Area: 17 000 ha.):
Epomophorus crypturus Peters, 1852: DNSM
Epomophorus wahlbergi (Sundevall, 1846): DNSM
Hipposideros caffer (Sundevall, 1846): BMNH, DNSM, TM
Rhinolophus blasii Peters, 1867: DNSM
Rhinolophus darlingi K. Andersen, 1905: DNSM, TM
Rhinolophus simulator K. Andersen, 1904: DNSM
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: DNSM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM, DNSM
Chaerephon pumilus (Cretzschmar, 1826): DNSM, TM
Mops (Mops) condylurus (A. Smith, 1833): TM
Miniopterus natalensis (A. Smith, 1833): TM, DNSM
Myotis bocagii (Peters, 1870): DNSM
Myotis tricolor (Temminck, 1832): TM
Scotophilus dinganii (A. Smith, 1833): TM, DNSM
Scotophilus viridis (Peters, 1852): TM
Hypsugo anchietae (Seabra, 1900): TM, DNSM

Neoromicia capensis (A. Smith, 1829): DNSM
Neoromicia nana (Peters, 1852): DNSM
Neoromicia zuluensis (Roberts, 1924): TM, DNSM
Nycticeinops schlieffenii (Peters, 1859): TM
Pipistrellus hesperidus (Temminck, 1840): DNSM, TM

Mlilwane Game Sanctuary (IUCN category: VI, Established on: 1 January 1972, Area: 4 545 ha.):
Neoromicia capensis (A. Smith, 1829): BMNH

Tanzania, United Republic of

Amani Nature Reserve (IUCN category: Not Known, Established on: 1 January 1997, Area: 8 380 ha.):
Myonycteris angolensis (Bocage, 1898): ZMB
Myonycteris angolensis ruwenzorii (Eisentraut, 1965): AMNH
Rhinolophus hildebrandtii Peters, 1878: SMF
Nycteris grandis Peters, 1865: AMNH
Pipistrellus grandidieri (Dobson, 1876): SMF

Arusha National Park (IUCN category: II, Established on: 1 January 1960, Area: 137 000 ha.):
Epomophorus wahlbergi (Sundevall, 1846): ZMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH

Baga I (Mzinga) Forest Reserve (IUCN category: IV, Established on: 22 November 1963, Area: 358 ha.):
Epomophorus wahlbergi (Sundevall, 1846): SMF
Neoromicia nana (Peters, 1852): ZMUC
Pipistrellus hesperidus (Temminck, 1840): ZMUC

Bamba Ridge Forest Reserve (IUCN category: IV, Area: 0 ha.):
Rhinolophus hildebrandtii Peters, 1878: SMF
Kerivoula argentata Tomes, 1861: SMF
Pipistrellus grandidieri (Dobson, 1876): SMF

IKONA Wildlife Management Area (IUCN category: Not Known, Area: 0 ha.):
Epomophorus wahlbergi (Sundevall, 1846): AMNH

Kalambo falls Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Epomophorus labiatus (Temminck, 1837): HZM, NHMZ

Kambai Forest Reserve (IUCN category: VI, Established on: 12 August 1994, Area: 1 242 ha.):
Kerivoula argentata Tomes, 1861: SMF
Pipistrellus grandidieri (Dobson, 1876): SMF

Kazimzumbwi Forest Reserve (IUCN category: Not Known, Established on: 24 May 1954, Area: 5 017 ha.):
Neoromicia capensis (A. Smith, 1829): SMF
Neoromicia nana (Peters, 1852): SMF

Kilimanjaro National Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1987, Area: 75 353 ha.):
Scotophilus dinganii (A. Smith, 1833): AMNH
Glauconycteris poensis (Gray, 1842): AMNH
Scotoecus hindei Thomas, 1901: AMNH

Kilombero Nature Reserve (IUCN category: Not Known, Established on: 17 August 2007, Area: 134 511 ha.):
Myotis welwitschii (Gray, 1866): FMNH

Kilombero Valley Floodplain Not Applicable (IUCN category: Not Applicable, Established on: 25 April 2002, Area: 796 735 ha.):
Epomophorus labiatus (Temminck, 1837): ZMB

Kiwengoma Forest Reserve (IUCN category: Not Known, Area: 6 148 ha.):
Rhinolophus lobatus Peters, 1852: ZMB

Kwamgumi Forest Reserve (IUCN category: IV, Established on: 3 June 1955, Area: 2 263 ha.):
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: SMF
Myotis bocagii (Peters, 1870): SMF

Lake Manyara National Park (IUCN category: II, Established on: 1 January 1960, Area: 33 000 ha.):
Rhinolophus hildebrandtii Peters, 1878: AMNH
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: SMF
Tadarida ventralis (Heuglin, 1861): HZM

Lake Natron Basin Not Applicable (IUCN category: Not Applicable, Established on: 4 July 2001, Area: 224 781 ha.):
Epomophorus minimus Claessen & De Vree, 1991: BMNH

Litipo Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Rhinolophus hildebrandtii Peters, 1878: SMF
Kerivoula argentata Tomes, 1861: SMF
Myotis bocagii (Peters, 1870): SMF

Livingstone Forest Reserve (IUCN category: Not Known, Established on: 1 January 1940, Area: 16 014 ha.):
Epomophorus labiatus (Temminck, 1837): MCZ
Epomophorus wahlbergi (Sundevall, 1846): RMCA
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): RMCA
Rhinolophus clivosus Cretzschmar, 1828: RMCA
Miniopterus natalensis (A. Smith, 1833): RMCA
Myotis welwitschii (Gray, 1866): NMZL, RMCA

Luhombero Luwegu Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Epomophorus wahlbergi (Sundevall, 1846): HZM

Mafia Island Marine Park (IUCN category: Not Known, Established on: 1 January 1995, Area: 82 200 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH

Magoroto Forest Reserve (IUCN category: IV, Area: 1 121 ha.):
Otomops martiensseni (Matschie, 1897): ZMB

Neoromicia nana (Peters, 1852): ZMB
Pipistrellus grandidieri (Dobson, 1876): SMF
Mikumi National Park (IUCN category: II, Established on: 1 January 1964, Area: 323 000 ha.):
Epomophorus labiatus (Temminck, 1837): FMNH
Nycteris hispida (Schreber, 1774): BMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: RMCA
Neoromicia nana (Peters, 1852): SMF
Minziro Forest Reserve (IUCN category: Not Known, Area: 31 142 ha.):
Epomophorus labiatus (Temminck, 1837): SMF
Mount Meru Game Reserve (IUCN category: IV, Established on: 1 January 1974, Area: 30 000 ha.):
Epomophorus minor Dobson, 1880: AMNH
Rhinolophus hildebrandtii Peters, 1878: AMNH
Neoromicia somalica (Thomas, 1901): AMNH
Scotoecus hindei Thomas, 1901: AMNH
Mtai Forest Reserve (IUCN category: IV, Established on: 1 January 1967, Area: 3 250 ha.):
Rhinolophus hildebrandtii Peters, 1878: SMF
Ngongwa-Busangi Forest Reserve (IUCN category: Not Known, Area: 46 601 ha.):
Hipposideros ruber (Noack, 1893): AMNH
Macronycteris vittatus (Peters, 1852): AMNH
Ngorongoro Conservation Area Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1979, Area: 828 800 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: RBINS
Pipistrellus hesperidus (Temminck, 1840): TM
Nilo Nature Reserve (IUCN category: Ib, Area: 6 025 ha.):
Pipistrellus grandidieri (Dobson, 1876): SMF
Northern Highlands Forest Reserve (IUCN category: Not Known, Area: 93 598 ha.):
Epomophorus wahlbergi (Sundevall, 1846): SMF
Pugu Forest Reserve (IUCN category: Not Known, Area: 2 394 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: ZMUC
Rondo Forest Reserve (IUCN category: Not Known, Area: 14 781 ha.):
Epomophorus wahlbergi (Sundevall, 1846): HZM, RMCA
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: RMCA
Chaerephon pumilus (Cretzschmar, 1826): RMCA
Neoromicia nana (Peters, 1852): HZM
Rufiji-Mafia-Kilwa Marine Not Applicable (IUCN category: Not Applicable, Established on: 29 October 2004, Area: 596 908 ha.):
Nycteris hispida (Schreber, 1774): KU
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: KU
Segoma Forest Reserve (IUCN category: IV, Established on: 25 March 1955, Area: 1 228 ha.):
Rhinolophus hildebrandtii Peters, 1878: SMF
Pipistrellus grandidieri (Dobson, 1876): SMF
Selous Game Reserve Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1982, Area: 4 480 000 ha.):
Epomophorus labiatus (Temminck, 1837): SMF
Nycteris macrotis Dobson, 1876: BMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH, SMF
Semdoe Forest Reserve (IUCN category: IV, Area: 987 ha.):
Pipistrellus grandidieri (Dobson, 1876): SMF
Serengeti National Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1981, Area: 1 476 300 ha.):
Epomophorus labiatus (Temminck, 1837): BMNH
Epomophorus wahlbergi (Sundevall, 1846): AMNH
Hipposideros fuliginosus (Temminck, 1853): ZMB
Hipposideros ruber (Noack, 1893): ZMB
Lavia frons (E. Geoffroy St.-Hilaire, 1810): ZMB
Rhinolophus darlingi K. Andersen, 1905: AMNH
Nycteris arge Thomas, 1903: RBINS
Nycteris hispida (Schreber, 1774): RBINS
Nycteris macrotis Dobson, 1876: BMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: RBINS, BMNH
Scotophilus dinganii (A. Smith, 1833): ZMB
Neoromicia capensis (A. Smith, 1829): RBINS
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: RBINS
Shume Magamba Forest Reserve (IUCN category: IV, Area: 13 262 ha.):
Epomophorus wahlbergi (Sundevall, 1846): SMF, ZMB
Myonycteris relicta Bergmans, 1980: ZMB
Hipposideros caffer (Sundevall, 1846): ZMB
Rhinolophus Lacépède, 1799: ZMB
Rhinolophus hildebrandtii Peters, 1878: ZMB
Kerivoula argentata Tomes, 1861: ZMB
South Gendagenda Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Neoromicia nana (Peters, 1852): SMF
Neoromicia somalica (Thomas, 1901): SMF
Tarangire National Park (IUCN category: II, Established on: 1 January 1970, Area: 260 000 ha.):
Neoromicia somalica (Thomas, 1901): FMNH
Tong'omba Forest Reserve (IUCN category: Not Known, Area: 3 926 ha.):

Kerivoula africana Dobson, 1878: SMF
Tongwe Forest Reserve (IUCN category: Not Known, Area: 1 366 ha.):
Rhinolophus hildebrandtii Peters, 1878: SMF
Uliankhulu Forest Reserve (IUCN category: Not Known, Area: 246 316 ha.):
Nycteris macrotis Dobson, 1876: BMNH
Uwanda Game Reserve (IUCN category: IV, Established on: 1 January 1971, Area: 500 000 ha.):
Epomophorus labiatus (Temminck, 1837): HZM
Nycteris hispida (Schreber, 1774): RBINS
Vikindu Forest Reserve (IUCN category: Not Known, Area: 1 763 ha.):
Epomophorus wahlbergi (Sundevall, 1846): ZMB
West Kilombero Scarp Forest Reserve (IUCN category: Not Known, Established on: 17 August 2007, Area: 192 302 ha.):
Epomophorus labiatus (Temminck, 1837): ROM
Epomophorus wahlbergi (Sundevall, 1846): SMF
Rhinolophus simulator K. Andersen, 1904: SMF

Togo

Atakpamé Forest Reserve (IUCN category: Not Known, Established on: 1 January 1939, Area: 582 ha.):
Eidolon helvum (Kerr, 1792): RMCA
Epomophorus gambianus (Ogilby, 1835): RMCA
Micropteropus pusillus (Peters, 1868): RMCA
Nanonycteris veldkampii (Jentink, 1888): RMCA
Rhinolophus landeri Martin, 1838: RMCA
Nycteris hispida (Schreber, 1774): RMCA
Chaerephon major (Trouessart, 1897): RMCA
Chaerephon pumilus (Cretzschmar, 1826): RMCA
Mops (Mops) condylurus (A. Smith, 1833): RMCA
Scotophilus dinganii (A. Smith, 1833): RMCA
Neoromicia capensis (A. Smith, 1829): ZMB
Neoromicia somalica (Thomas, 1901): RMCA
Atilakoutse Forest Reserve (IUCN category: Not Known, Established on: 1 January 1939, Area: 9 ha.):
Eidolon helvum (Kerr, 1792): RMCA
Epomops franqueti (Tomes, 1860): RMCA
Micropteropus pusillus (Peters, 1868): RMCA
Myotis bocagii (Peters, 1870): RMCA
Bassari-Montagne Forest Reserve (IUCN category: Not Known, Established on: 1 January 1952, Area: 1 000 ha.):
Eidolon helvum (Kerr, 1792): RMCA
Epomophorus gambianus (Ogilby, 1835): RMCA
Micropteropus pusillus (Peters, 1868): RMCA
Hipposideros ruber (Noack, 1893): RMCA
Nycteris gambiensis (K. Andersen, 1912): RMCA
Kéran National Park (IUCN category: II, Established on: 1 January 1950, Area: 163 640 ha.):
Epomophorus gambianus (Ogilby, 1835): RMCA
Micropteropus pusillus (Peters, 1868): RMCA
Nanonycteris veldkampii (Jentink, 1888): RMCA
Lavia frons (E. Geoffroy St.-Hilaire, 1810): RMCA
Nycteris hispida (Schreber, 1774): RMCA
Nycteris macrotis Dobson, 1876: RMCA
Nycticeinops schlieffenii (Peters, 1859): RMCA

Uganda

Amudat Community Wildlife Management Area (IUCN category: VI, Established on: 1 January 2002, Area: 205 300 ha.):
Epomophorus labiatus (Temminck, 1837): USNM
Epomophorus minimus Claessen & De Vree, 1991: USNM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH
Neoromicia somalica (Thomas, 1901): USNM
Entebbe Wildlife Sanctuary (IUCN category: VI, Established on: 1 January 1951, Area: 5 120 ha.):
Epomophorus labiatus (Temminck, 1837): AMNH, BMNH
Hipposideros ruber (Noack, 1893): AMNH, BMNH
Lavia frons (E. Geoffroy St.-Hilaire, 1810): ZMB
Rhinolophus eloquens K. Andersen, 1905: BMNH
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: AMNH
Nycteris hispida (Schreber, 1774): BMNH
Nycteris macrotis Dobson, 1876: BMNH
Chaerephon aloysiisabaudiae (Festa, 1907): ZMB
Chaerephon pumilus (Cretzschmar, 1826): AMNH
Mops (Mops) condylurus (A. Smith, 1833): AMNH, ZMB
Glauconycteris variegata (Tomes, 1861): AMNH, ZMB, BMNH
Neoromicia nana (Peters, 1852): ZMB
Neoromicia rendalli (Thomas, 1889): ZMB
Neoromicia tenuipinnis (Peters, 1872): FMNH, MHNG, ZMB
Pipistrellus rueppellii fuscipes Thomas, 1913: AMNH
Kaiso Tonya Community Wildlife Management Area (IUCN category: VI, Established on: 1 May 2002, Area: 10 700 ha.):
Scotophilus dinganii (A. Smith, 1833): BMNH

Karuma Wildlife Reserve (IUCN category: III, Established on: 1 January 1964, Area: 67 500 ha.):
Mops (Mops) trevori J.A. Allen, 1917: RMCA
Kazinga Wildlife Sanctuary (IUCN category: VI, Established on: 1 January 1959, Area: 1 749 ha.):
Nycteris hispida (Schreber, 1774): CAS, ROM
Kibale National Park (IUCN category: II, Area: 76 600 ha.):
Rhinolophus eloquens K. Andersen, 1905: AMNH
Mgahinga Gorilla National Park (IUCN category: II, Established on: 1 January 1930, Area: 3 800 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: RMCA
Mount Elgon Not Applicable (IUCN category: Not Applicable, Established on: 29 June 2005, Area: 0 ha.):
Epomophorus labiatus (Temminck, 1837): NMW
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): AMNH
Rhinolophus clivosus Cretzschmar, 1828: HNHM
Miniopterus natalensis (A. Smith, 1833): AMNH, HNHM
Mount Kei Wildlife Sanctuary (IUCN category: VI, Established on: 1 January 1938, Area: 41 620 ha.):
Pipistrellus rueppellii fuscipes Thomas, 1913: FMNH
Murchison Falls National Park (IUCN category: II, Established on: 1 January 1952, Area: 387 700 ha.):
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: CAS
Nycteris hispida (Schreber, 1774): ROM
Pipistrellus hesperidus (Temminck, 1840): ROM
North Karamoja Controlled Hunting Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 1 079 330 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH
Queen Elizabeth National Park (IUCN category: II, Established on: 1 January 1952, Area: 205 600 ha.):
Pipistrellus rueppellii (Fischer, 1829): ROM
Queen Elizabeth National Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1979, Area: 739 500 ha.):
Epomops franqueti (Tomes, 1860): AMNH
Hipposideros caffer (Sundevall, 1846): AMNH
Lavia frons (E. Geoffroy St.-Hilaire, 1810): AMNH
Chaerephon pumilus (Cretzschmar, 1826): AMNH
Pipistrellus nanulus Thomas, 1904: AMNH
Pipistrellus rueppellii (Fischer, 1829): HZM
Pipistrellus rueppellii fuscipes Thomas, 1913: AMNH
Rwenzori Mountains National Park Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1994, Area: 99 600 ha.):
Epomophorus labiatus (Temminck, 1837): MIZT
Myonycteris angolensis (Bocage, 1898): RMCA
Stenonycteris lanosus (Thomas, 1906): RMCA
Lavia frons (E. Geoffroy St.-Hilaire, 1810): RMCA
Myotis welwitschii (Gray, 1866): FMNH
Neoromicia nana (Peters, 1852): RMCA, ZMB
South Karamoja Controlled Hunting Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 789 970 ha.):
Epomophorus labiatus (Temminck, 1837): BMNH
Lavia frons (E. Geoffroy St.-Hilaire, 1810): AMNH
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): ROM
Toro-Semuliki or Toro-Semliki Wildlife Reserve (IUCN category: III, Established on: 1 January 1929, Area: 54 200 ha.):
Nycteris hispida (Schreber, 1774): BMNH

Zambia

Chamato Forest Reserve (IUCN category: Not Known, Established on: 1 January 1959, Area: 34 155 ha.):
Rhinolophus hildebrandtii Peters, 1878: RMCA
Miniopterus natalensis (A. Smith, 1833): MHNG, RMCA
Neoromicia nana (Peters, 1852): RMCA
Chiawa Game Management Area (IUCN category: VI, Established on: 4 December 1989, Area: 234 400 ha.):
Nycteris grandis Peters, 1865: TM
East Lunga Forest Reserve (IUCN category: Not Known, Established on: 1 January 1965, Area: 478 034 ha.):
Rhinolophus simulator K. Andersen, 1904: BMNH
Forest Reserve Name Unknown (ZMB) No.3 Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Epomophorus labiatus (Temminck, 1837): KM, HZM
Epomophorus wahlbergi (Sundevall, 1846): BMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: KM
Scotophilus dinganii (A. Smith, 1833): RBINS
Neoromicia nana (Peters, 1852): HZM
Forest Reserve Name Unknown (ZMB) No.43 Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Eidolon helvum (Kerr, 1792): NHMZ
Epomophorus crypturus Peters, 1852: KM
Epomophorus dobsonii Bocage, 1889: NHMZ
Epomophorus labiatus (Temminck, 1837): NHMZ, KM
Hipposideros caffer (Sundevall, 1846): KM
Rhinolophus clivosus Cretzschmar, 1828: KM
Rhinolophus darlingi K. Andersen, 1905: KM
Rhinolophus lobatus Peters, 1852: KM

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: KM
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: KM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: KM, NHMZ
Nycteris woodi K. Andersen, 1914: NHMZ
Mops (Mops) niveiventer Cabrera and Ruxton, 1926: KM, NHMZ, FMNH
Miniopterus natalensis (A. Smith, 1833): NHMZ
Kerivoula argentata Tomes, 1861: KM
Kerivoula lanosa (A. Smith, 1847): NHMZ
Scotophilus dinganii (A. Smith, 1833): AMNH, KM, NHMZ
Glauconycteris variegata (Tomes, 1861): NHMZ
Neoromicia nana (Peters, 1852): NHMZ
Scotoecus albigula Thomas, 1909: KM

Forest Reserve Name Unknown (ZMB) No.60 Forest Reserve (IUCN category: Not Known, Area: 0 ha.):
Epomophorus crypturus Peters, 1852: BMNH

Kafinda Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 386 000 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ

Kafue National Park (IUCN category: II, Established on: 1 February 1971, Area: 2 240 000 ha.):
Epomophorus crypturus Peters, 1852: NMZL
Hipposideros caffer (Sundevall, 1846): AMNH
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NMZL
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Chaerephon pumilus (Cretzschmar, 1826): AMNH
VESPERTILIONIDAE Gray, 1821: NMZL
Scotophilus dinganii (A. Smith, 1833): AMNH, NMZL
Scotophilus leucogaster (Cretzschmar, 1826): NMZL
Hypsugo anchietae (Seabra, 1900): NMZL
Neoromicia capensis (A. Smith, 1829): NMZL
Neoromicia nana (Peters, 1852): NMZL
Neoromicia zuluensis (Roberts, 1924): NMZL
Nycticeinops schlieffenii (Peters, 1859): NMZL, NHMZ
Pipistrellus rueppellii (Fischer, 1829): NMZL
Scotoecus hindei Thomas, 1901: NMZL

Kafue Flats Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 517 500 ha.):
Epomophorus crypturus Peters, 1852: BMNH
Epomophorus wahlbergi (Sundevall, 1846): CAS
Macronycteris vittatus (Peters, 1852): NHMZ
Chaerephon pumilus (Cretzschmar, 1826): NMZL
Miniopterus natalensis (A. Smith, 1833): UZMZ
Scotophilus dinganii (A. Smith, 1833): UZMZ
Scotophilus leucogaster (Cretzschmar, 1826): BMNH
Neoromicia capensis (A. Smith, 1829): CAS, NMZL
Neoromicia nana (Peters, 1852): CAS
Neoromicia rendalli (Thomas, 1889): HZM

Kafue Flats: Lochinvar and Blue Lagoon Not Applicable (IUCN category: Not Applicable, Established on: 28 August 1991, Area: 600 500 ha.):
Epomophorus crypturus Peters, 1852: HZM
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NMZL
Nycteris hispida (Schreber, 1774): NHMZ
Chaerephon nigeriae Thomas, 1913: NMZL
Mops (Mops) condylurus (A. Smith, 1833): NHMZ, UZMZ
Mops (Mops) midas (Sundevall, 1843): NMZL
Mops (Mops) niveiventer Cabrera and Ruxton, 1926: NMZL
Miniopterus natalensis (A. Smith, 1833): NHMZ
Neoromicia rendalli (Thomas, 1889): NMZL
Pipistrellus rueppellii (Fischer, 1829): NHMZ, CAS
Pipistrellus rusticus (Tomes, 1861): NMZL

Kafue H/waters Forest Reserve (IUCN category: Not Known, Established on: 1 January 1959, Area: 206 389 ha.):
Nycteris macrotis Dobson, 1876: RMCA
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: RMCA
Chaerephon pumilus (Cretzschmar, 1826): RMCA
Mops (Mops) condylurus (A. Smith, 1833): RMCA

Kansonso-Busanga Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 778 000 ha.):
Neoromicia capensis (A. Smith, 1829): HZM
Pipistrellus hesperidus (Temminck, 1840): NHMZ

Kaputa Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 360 000 ha.):
Eidolon helvum (Kerr, 1792): NHMZ
Hipposideros ruber (Noack, 1893): RMCA
Nycteris major (K. Andersen, 1912): RBINS
Chaerephon major (Trouessart, 1897): BMNH
Neoromicia zuluensis (Roberts, 1924): HZM

Kasama Forest Reserve (IUCN category: Not Known, Established on: 1 January 1976, Area: 4 146 ha.):
Epomophorus labiatus (Temminck, 1837): NHMZ

Lavushi Manda National Park (IUCN category: II, Established on: 1 January 1972, Area: 150 000 ha.):
Hypsugo anchietae (Seabra, 1900): HZM

Liuwa Plain National Park (IUCN category: II, Established on: 1 February 1971, Area: 366 000 ha.):
Neoromicia capensis (A. Smith, 1829): BMNH

Lower Zambezi National Park (IUCN category: II, Established on: 14 March 1983, Area: 409 200 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Luangwa Forest Reserve (IUCN category: Not Known, Established on: 1 January 1973, Area: 281 369 ha.):
Nycticeinops schlieffenii (Peters, 1859): DNSM
Lukusuzi National Park (IUCN category: II, Established on: 1 February 1971, Area: 272 000 ha.):
Epomophorus minor Dobson, 1880: NMZL
Lukwakwa Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 254 000 ha.):
Epomophorus dobsonii Bocage, 1889: HZM
Lumimba Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 450 000 ha.):
Epomophorus labiatus (Temminck, 1837): BMNH
Nycteris hispida (Schreber, 1774): LACM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH
Chaerephon chapini J.A. Allen, 1917: LACM
Mops (Mops) condylurus (A. Smith, 1833): LACM
Mimetillus thomasi Hinton, 1920: LACM
Scotoecus hindei Thomas, 1901: LACM
Lunga-Luswishi Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 1 334 000 ha.):
Epomophorus dobsonii Bocage, 1889: FMNH, NHMZ
Cloeotis percivali Thomas, 1901: RMCA
Neoromicia nana (Peters, 1852): NHMZ
Pipistrellus rueppellii (Fischer, 1829): NHMZ
Lupande Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 484 000 ha.):
Epomophorus labiatus (Temminck, 1837): NHMZ
Epomophorus minor Dobson, 1880: AMNH
Epomophorus wahlbergi (Sundevall, 1846): HZM
Rhinolophus lobatus Peters, 1852: BMNH
Nycteris grandis Peters, 1865: BMNH, HZM, NHMZ, SMF
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH, NHMZ, SMF
Scotophilus leucogaster (Cretzschmar, 1826): BMNH, NHMZ
Scotophilus viridis (Peters, 1852): BMNH
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Scotoecus albigula Thomas, 1909: BMNH, NHMZ
Mitenge Forest Reserve (IUCN category: Not Known, Established on: 1 January 1972, Area: 20 330 ha.):
Eidolon helvum (Kerr, 1792): NMZL
Tadarida ventralis (Heuglin, 1861): NMZL
Miniopterus natalensis (A. Smith, 1833): NMZL
Mosi-Oa-Tunya National Park (IUCN category: II, Established on: 1 February 1971, Area: 6 600 ha.):
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Neoromicia zuluensis (Roberts, 1924): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Mpomwa Forest Reserve (IUCN category: Not Known, Established on: 1 January 1958, Area: 6 698 ha.):
Nycteris woodi K. Andersen, 1914: BMNH
Munyamadzi Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 330 000 ha.):
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: UZMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Musalangu Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 1 735 000 ha.):
Epomophorus crypturus Peters, 1852: HZM
Hipposideros caffer (Sundevall, 1846): NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH, NHMZ
Mwekera East Forest Reserve (IUCN category: Not Known, Established on: 1 January 1972, Area: 2 072 ha.):
Epomophorus dobsonii Bocage, 1889: NHMZ
Nkunyi Forest Reserve (IUCN category: Not Known, Established on: 1 January 1958, Area: 8 357 ha.):
Kerivoula argentata Tomes, 1861: BMNH
Nsumbu National Park (IUCN category: II, Established on: 17 April 1985, Area: 206 300 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Nycteris hispida (Schreber, 1774): HNHM
Ntombolole Forest Reserve (IUCN category: Not Known, Established on: 1 January 1977, Area: 8 890 ha.):
Cloeotis percivali Thomas, 1901: HZM
Sandwe Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 153 000 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Hipposideros ruber (Noack, 1893): NHMZ
Macronycteris vittatus (Peters, 1852): NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
South Luangwa National Park (IUCN category: II, Established on: 1 February 1971, Area: 905 000 ha.):
Epomophorus crypturus Peters, 1852: BMNH
Epomophorus labiatus (Temminck, 1837): BMNH, NHMZ
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): BMNH
Rhinolophus blasii Peters, 1867: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Nycteris grandis Peters, 1865: HZM
Nycteris macrotis Dobson, 1876: BMNH
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ

Mops (Mops) midas (Sundevall, 1843): LACM
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Scotophilus viridis (Peters, 1852): BMNH
Neoromicia nana (Peters, 1852): NMZL
Neoromicia zuluensis (Roberts, 1924): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Pipistrellus rueppellii (Fischer, 1829): LACM
Scotoecus hindei Thomas, 1901: NMZL

Tondwa Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 54 000 ha.):
Lavia frons (E. Geoffroy St.-Hilaire, 1810): BMNH

West Petauke Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 414 000 ha.):
Rhinolophus fumigatus Rüppell, 1842: NHMZ

West Zambezi Game Management Area (IUCN category: VI, Established on: 1 February 1971, Area: 3 807 000 ha.):
Epomophorus crypturus Peters, 1852: BMNH, FMNH, HZM, TM
Epomophorus dobsonii Bocage, 1889: FMNH
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: FMNH, NHMZ
Nycteris hispida (Schreber, 1774): NMZL
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: KM, BMNH
Chaerephon pumilus (Cretzschmar, 1826): HNHM
Neoromicia nana (Peters, 1852): FMNH
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: BMNH

Zimbabwe

Banti State Forest (IUCN category: VI, Area: 2 212 ha.):
Eptesicus hottentotus (A. Smith, 1833): NHMZ
Pipistrellus hesperidus (Temminck, 1840): NHMZ

Bubiana Sanctuary (IUCN category: Not Known, Area: 499 ha.):
Rhinolophus blasii Peters, 1867: NHMZ

Chalala Sanctuary (IUCN category: Not Known, Area: 0 ha.):
Hipposideros caffer (Sundevall, 1846): DNSM, NHMZ
Macronycteris vittatus (Peters, 1852): NHMZ
Rhinolophus lobatus Peters, 1852: NHMZ
Rhinolophus rhodesiae Roberts, 1946: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Kerivoula argentata Tomes, 1861: NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Pipistrellus rueppellii (Fischer, 1829): NHMZ

Chapoto Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 124 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Kerivoula argentata Tomes, 1861: NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ

Charara Safari Area (IUCN category: VI, Established on: 1 January 1975, Area: 169 200 ha.):
Epomophorus crypturus Peters, 1852: CM

Chesa State Forest (IUCN category: Not Known, Established on: 1 January 1941, Area: 14 250 ha.):
Scotophilus dinganii (A. Smith, 1833): NHMZ

Chete Safari Area (IUCN category: VI, Established on: 1 January 1975, Area: 108 100 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Scotophilus viridis (Peters, 1852): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Neoromicia nana (Peters, 1852): NHMZ
Neoromicia zuluensis (Roberts, 1924): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Pipistrellus rueppellii (Fischer, 1829): NHMZ
Pipistrellus rusticus (Tomes, 1861): NHMZ

Chimanimani National Park (IUCN category: II, Established on: 1 January 1950, Area: 17 100 ha.):
Epomophorus wahlbergi (Sundevall, 1846): NHMZ, TM
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): NHMZ, TM
Rhinolophus clivosus Cretzschmar, 1828: TM
Rhinolophus darlingi K. Andersen, 1905: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Myotis tricolor (Temminck, 1832): TM
Scotophilus Leach, 1821: NHMZ
Scotophilus dinganii (A. Smith, 1833): TM
Neoromicia capensis (A. Smith, 1829): NHMZ

Neoromicia nana (Peters, 1852): TM, NHMZ
Pipistrellus hesperidus (Temminck, 1840): TM
Chimukoko Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 141 ha.):
Neoromicia nana (Peters, 1852): MNHN
Chipinge Safari Area (IUCN category: VI, Established on: 1 January 1975, Area: 26 100 ha.):
Epomophorus crypturus Peters, 1852: BMNH
Chiredzi River Conservancy Sanctuary (IUCN category: Not Known, Area: 285 ha.):
Myotis tricolor (Temminck, 1832): NHMZ
Chirisa Safari Area (IUCN category: VI, Established on: 1 January 1975, Area: 171 300 ha.):
Epomophorus wahlbergi (Sundevall, 1846): TM
Hipposideros caffer (Sundevall, 1846): NHMZ, TM, ROM
Macronycteris vittatus (Peters, 1852): NHMZ
Rhinolophus fumigatus Rüppell, 1842: TM, NHMZ
Rhinolophus lobatus Peters, 1852: TM, ROM
Rhinolophus rhodesiae Roberts, 1946: NHMZ, HZM
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: TM, NHMZ
Cloeotis percivali Thomas, 1901: ROM, NHMZ
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM, NHMZ
Nycteris woodi K. Andersen, 1914: NHMZ
MOLOSSIDAE Gervais, 1856: TM
Chaerephon ansorgei (Thomas, 1913): NHMZ
Chaerephon chapini J.A. Allen, 1917: TM
Chaerephon nigeriae Thomas, 1913: TM, NHMZ
Otomops martiensseni (Matschie, 1897): ROM
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): NHMZ, TM
Tadarida fulminans (Thomas, 1903): NHMZ, ROM
Miniopterus natalensis (A. Smith, 1833): NHMZ
Scotophilus Leach, 1821: TM
Scotophilus dinganii (A. Smith, 1833): NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): DNSM, NHMZ
Scotophilus viridis (Peters, 1852): TM
Glauconycteris variegata (Tomes, 1861): NHMZ
Hypsugo anchietae (Seabra, 1900): NHMZ
Laephotis angolensis Monard, 1935: ROM
Laephotis botswanae Setzer, 1971: TM, NHMZ
Neoromicia capensis (A. Smith, 1829): TM, NHMZ, DNSM
Neoromicia nana (Peters, 1852): TM, NHMZ
Neoromicia zuluensis (Roberts, 1924): NHMZ, ROM
Nycticeinops schlieffenii (Peters, 1859): DNSM, NHMZ, TM
Pipistrellus hesperidus (Temminck, 1840): ROM
Pipistrellus rueppellii (Fischer, 1829): NHMZ, ROM
Pipistrellus rusticus (Tomes, 1861): TM, NHMZ
Chiroti/Fuleche Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 287 ha.):
Macronycteris vittatus (Peters, 1852): NHMZ
Rhinolophus simulator K. Andersen, 1904: NHMZ
Chisunga Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 313 ha.):
Mops (Mops) condylurus (A. Smith, 1833): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Chitsa Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 35 ha.):
Macronycteris vittatus (Peters, 1852): NHMZ
Deka Safari Area (IUCN category: VI, Established on: 1 January 1975, Area: 51 000 ha.):
Nycteris woodi K. Andersen, 1914: NHMZ
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Dite 2 Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 369 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Chaerephon pumilus (Cretzschmar, 1826): TM
Mops (Mops) midas (Sundevall, 1843): TM
Doma Safari Area (IUCN category: VI, Established on: 1 January 1975, Area: 94 500 ha.):
Miniopterus natalensis (A. Smith, 1833): NHMZ
Erin State Forest (IUCN category: Not Known, Area: 10 741 ha.):
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): NHMZ
Gonarezhou National Park (IUCN category: II, Established on: 1 January 1975, Area: 505 300 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Chaerephon ansorgei (Thomas, 1913): NHMZ
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Mops (Mops) condylurus (A. Smith, 1833): NHMZ
Mops (Mops) midas (Sundevall, 1843): HZM
Neoromicia nana (Peters, 1852): NHMZ

Nycticeinops schlieffenii (Peters, 1859): NHMZ
Great Dyke State Land Sanctuary (IUCN category: Not Known, Area: 81 ha.):
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): NHMZ
Rhinolophus clivosus Cretzschmar, 1828: NHMZ
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Neoromicia zuluensis (Roberts, 1924): NHMZ
Gwayi State Forest (IUCN category: Not Known, Established on: 1 January 1930, Area: 144 230 ha.):
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Pipistrellus rusticus (Tomes, 1861): NHMZ
Halisupi Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 176 ha.):
Sauromys petrophilus (Roberts, 1917): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Pipistrellus rusticus (Tomes, 1861): NHMZ
Hwange (Wankie) National Park (IUCN category: II, Established on: 1 January 1949, Area: 1 465 100 ha.):
Epomophorus crypturus Peters, 1852: NHMZ
Hipposideros caffer (Sundevall, 1846): NHMZ
Macronycteris vittatus (Peters, 1852): NHMZ
Rhinolophus clivosus Cretzschmar, 1828: NHMZ
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Rhinolophus rhodesiae Roberts, 1946: NHMZ, HZM
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ, SMNS
Chaerephon bivittatus (Heuglin, 1861): NHMZ
Tadarida ventralis (Heuglin, 1861): NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Glauconycteris variegata (Tomes, 1861): NHMZ
Hypsugo anchietae (Seabra, 1900): NHMZ
Laephotis botswanae Setzer, 1971: FMNH
Neoromicia capensis (A. Smith, 1829): NHMZ
Neoromicia somalica (Thomas, 1901): FMNH
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Pipistrellus rusticus (Tomes, 1861): NHMZ
Kabuba Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 235 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Macronycteris vittatus (Peters, 1852): NHMZ
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Kachecheti Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 70 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Kanyati A Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 148 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Chaerephon nigeriae Thomas, 1913: NHMZ
Mops (Mops) condylurus (A. Smith, 1833): NHMZ
Otomops martiensseni (Matschie, 1897): NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Kanyurira Sanctuary (IUCN category: Not Known, Area: 0 ha.):
Macronycteris vittatus (Peters, 1852): NHMZ
Chaerephon ansorgei (Thomas, 1913): NHMZ
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Karamba Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 143 ha.):
Epomophorus wahlbergi (Sundevall, 1846): NHMZ
Rhinolophus clivosus Cretzschmar, 1828: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Kariba Recreation Park (IUCN category: V, Established on: 1 January 1979, Area: 287 200 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Rhinolophus lobatus Peters, 1852: NHMZ
Nycteris macrotis Dobson, 1876: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris woodi K. Andersen, 1914: NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ

Kyle Recreation Park (IUCN category: V, Established on: 1 January 1975, Area: 16 910 ha.):
Eptesicus hottentotus (A. Smith, 1833): ROM
Machuchuta Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 270 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Neoromicia nana (Peters, 1852): NHMZ
Malilangwe Conservancy Sanctuary (IUCN category: Not Known, Area: 182 ha.):
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris woodi K. Andersen, 1914: NHMZ
Chaerephon ansorgei (Thomas, 1913): NHMZ
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Hypsugo anchietae (Seabra, 1900): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Neoromicia nana (Peters, 1852): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Malipati Safari Area (IUCN category: VI, Established on: 1 January 1975, Area: 15 400 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Hypsugo anchietae (Seabra, 1900): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Mana Pools National Park (IUCN category: II, Established on: 1 January 1975, Area: 219 600 ha.):
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: TM
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1984, Area: 676 600 ha.):
Epomophorus crypturus Peters, 1852: HZM
Rhinolophus lobatus Peters, 1852: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris grandis Peters, 1865: NHMZ
Nycteris hispida (Schreber, 1774): HZM, NHMZ
Nycteris macrotis Dobson, 1876: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: AMNH, NHMZ
Chaerephon nigeriae Thomas, 1913: TM
Scotophilus leucogaster (Cretzschmar, 1826): TM
Scotophilus viridis (Peters, 1852): TM, NHMZ
Neoromicia rendalli (Thomas, 1889): TM
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017: TM
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Manyuseni Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 8 ha.):
Nycteris grandis Peters, 1865: USNM
Maramani Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 157 ha.):
Mops (Mops) midas (Sundevall, 1843): NHMZ
Hypsugo anchietae (Seabra, 1900): NHMZ
Matetsi Safari Area (IUCN category: VI, Established on: 1 January 1975, Area: 295 500 ha.):
Epomophorus crypturus Peters, 1852: TM
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris macrotis Dobson, 1876: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Chaerephon ansorgei (Thomas, 1913): NHMZ
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Neoromicia nana (Peters, 1852): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Pipistrellus rueppellii (Fischer, 1829): NHMZ
Matusadona National Park (IUCN category: II, Established on: 1 January 1975, Area: 140 700 ha.):
Rhinolophus blasii Peters, 1867: NHMZ
Nycteris macrotis Dobson, 1876: NHMZ
Mops (Mops) condylurus (A. Smith, 1833): NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Mola A Sanctuary (IUCN category: Not Known, Area: 0 ha.):
Rhinolophus lobatus Peters, 1852: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ

Mosi-oa-Tunya/Victoria Falls Not Applicable (IUCN category: Not Applicable, Established on: 1 January 1989, Area: 3 081 ha.):
Rhinolophus fumigatus Rüppell, 1842: RMCA
Mukota A Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 249 ha.):
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Mukwenya Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 131 ha.):
Scotophilus dinganii (A. Smith, 1833): NHMZ
Mushandike Sanctuary (IUCN category: IV, Established on: 1 January 1975, Area: 12 900 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Macronycteris vittatus (Peters, 1852): NHMZ
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Rhinolophus lobatus Peters, 1852: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Mutandahwe Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 89 ha.):
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818: NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
Nemananga Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 85 ha.):
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Chaerephon ansorgei (Thomas, 1913): NHMZ
Chaerephon bivittatus (Heuglin, 1861): NHMZ
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): NHMZ
Nenyunka Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 241 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Macronycteris vittatus (Peters, 1852): NHMZ
Rhinolophus lobatus Peters, 1852: NHMZ
Rhinolophus rhodesiae Roberts, 1946: NHMZ
Chaerephon ansorgei (Thomas, 1913): NHMZ
Chaerephon bivittatus (Heuglin, 1861): NHMZ
Chaerephon chapini J.A. Allen, 1917: NHMZ
Chaerephon nigeriae Thomas, 1913: NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Ngamo State Forest (IUCN category: Not Known, Established on: 1 January 1930, Area: 102 900 ha.):
Scotophilus dinganii (A. Smith, 1833): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Ngorima B Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 17 ha.):
Epomophorus wahlbergi (Sundevall, 1846): NHMZ
Myonycteris angolensis goliath (Bergmans, 1997): NHMZ
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): NHMZ
Rhinolophus clivosus Cretzschmar, 1828: NHMZ
Nycteris grandis Peters, 1865: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
Myotis bocagii (Peters, 1870): HZM
Myotis tricolor (Temminck, 1832): NHMZ
Neoromicia nana (Peters, 1852): NHMZ
Pipistrellus hesperidus (Temminck, 1840): NHMZ
Ngungunyana State Forest (IUCN category: Not Known, Established on: 1 January 1939, Area: 1 700 ha.):
Epomophorus wahlbergi (Sundevall, 1846): USNM
Rhinolophus clivosus Cretzschmar, 1828: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: USNM
Myotis tricolor (Temminck, 1832): TM
Myotis welwitschii (Gray, 1866): TM
Scotophilus dinganii (A. Smith, 1833): TM
Neoromicia nana (Peters, 1852): TM, USNM, CM
Pipistrellus hesperidus (Temminck, 1840): TM
Nsenga Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 87 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Nyamakate Village Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 71 ha.):
Chaerephon nigeriae Thomas, 1913: TM
Rhodes Matopos National Park (IUCN category: II, Established on: 1 January 1926, Area: 42 400 ha.):
Macronycteris vittatus (Peters, 1852): NHMZ
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: TM, NHMZ
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Sauromys petrophilus (Roberts, 1917): DNSM, NHMZ, TM
Miniopterus natalensis (A. Smith, 1833): TM
Scotophilus dinganii (A. Smith, 1833): NHMZ, TM
Pipistrellus rusticus (Tomes, 1861): NHMZ

Rhodes Nyanga National Park (IUCN category: II, Established on: 1 January 1950, Area: 47 150 ha.):
Myonycteris angolensis goliath (Bergmans, 1997): NHMZ
Rhinolophus clivosus Cretzschmar, 1828: TM
Rhinolophus darlingi K. Andersen, 1905: TM
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: TM
Scotophilus dinganii (A. Smith, 1833): TM
Neoromicia Roberts, 1926: DNSM
Neoromicia nana (Peters, 1852): NHMZ
Pipistrellus hesperidus (Temminck, 1840): TM
Robert McIlwaine Recreation Park (IUCN category: V, Established on: 1 January 1975, Area: 6 180 ha.):
Rhinolophus clivosus Cretzschmar, 1828: NHMZ
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Rhinolophus simulator K. Andersen, 1904: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Cloeotis percivali Thomas, 1901: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Chaerephon nigeriae Thomas, 1913: NHMZ
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): NHMZ
Miniopterus natalensis (A. Smith, 1833): NHMZ
Myotis bocagii (Peters, 1870): NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Glauconycteris variegata (Tomes, 1861): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Pipistrellus hesperidus (Temminck, 1840): NHMZ
Pipistrellus rueppellii (Fischer, 1829): NHMZ
Save Conservancy Sanctuary (IUCN category: Not Known, Area: 1 352 ha.):
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Mops (Mops) condylurus (A. Smith, 1833): NHMZ
Sauromys petrophilus (Roberts, 1917): NHMZ
Scotophilus leucogaster (Cretzschmar, 1826): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Neoromicia nana (Peters, 1852): ROM
Neoromicia zuluensis (Roberts, 1924): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Sengwe Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 304 ha.):
Epomophorus crypturus Peters, 1852: NHMZ
Hipposideros caffer (Sundevall, 1846): NHMZ
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Chaerephon ansorgei (Thomas, 1913): NHMZ
Chaerephon bivittatus (Heuglin, 1861): NHMZ
Chaerephon pumilus (Cretzschmar, 1826): NHMZ
Mops (Mops) condylurus (A. Smith, 1833): NHMZ
Mops (Mops) midas (Sundevall, 1843): NHMZ
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818): NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Neoromicia nana (Peters, 1852): NHMZ
Nycticeinops schlieffenii (Peters, 1859): NHMZ
Pipistrellus rueppellii (Fischer, 1829): NHMZ
Pipistrellus rusticus (Tomes, 1861): NHMZ
Sidinda Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 225 ha.):
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810): NHMZ
Rhinolophus blasii Peters, 1867: NHMZ
Nycteris macrotis Dobson, 1876: NHMZ
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Sikalenge Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 193 ha.):
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ
Neoromicia nana (Peters, 1852): NHMZ
Neoromicia zuluensis (Roberts, 1924): NHMZ
Pipistrellus rueppellii (Fischer, 1829): NHMZ
Simchembo Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 139 ha.):
Rhinolophus fumigatus Rüppell, 1842: NHMZ
Sinansengwe Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 153 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Eptesicus hottentotus (A. Smith, 1833): NHMZ
Umfuli (Hartley A) Recreation Park (IUCN category: V, Area: 12 700 ha.):
Neoromicia zuluensis (Roberts, 1924): NHMZ
Unknown 4 Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 225 ha.):
Hipposideros caffer (Sundevall, 1846): NHMZ
Rhinolophus darlingi K. Andersen, 1905: NHMZ
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012: NHMZ
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818: NHMZ
Scotophilus dinganii (A. Smith, 1833): NHMZ
Neoromicia capensis (A. Smith, 1829): NHMZ

Unknown 5 Wildlife Management Area (IUCN category: Not Known, Established on: 1 January 2002, Area: 84 ha.):
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818: BMNH

Appendix 2f2: Sorted by Taxon, Country, Protected Area

Eidolon dupreanum (Schegel, 1867)

Madagascar:
Ankarana Special Reserve: HNHM

Eidolon helvum (Kerr, 1792)

Democratic Republic of the Congo:
Massif d'Itombwe Nature Reserve: RMCA
Ethiopia:
Erer-Gota Controlled Hunting Area: RMCA
Malawi:
Kasungu National Park: ZMA
Zomba# Forest Reserve: BMNH
Namibia:
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable: SMW
Namib Naukluft National Park: SMW
Nigeria:
Yankari Forest Reserve: HNHM
Rwanda:
Akagera National Park: ZMB
Togo:
Atakpamé Forest Reserve: RMCA
Atilakoutse Forest Reserve: RMCA
Bassari-Montagne Forest Reserve: RMCA
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: NHMZ
Kaputa Game Management Area: NHMZ
Mitenge Forest Reserve: NMZL

Pteropus rufus E. Geoffroy St.-Hilaire, 1803

Madagascar:
Ankarafantsika National Park: ZMB

Rousettinae Andersen, 1912

Democratic Republic of the Congo:
Mai Mpili Forest Reserve: RMCA

Epomophorus Bennett, 1836

Nigeria:
Yankari Forest Reserve: HNHM

Epomophorus anselli Bergmans and Van Strien, 2004

Malawi:
Kasungu National Park: ZMA

Epomophorus crypturus Peters, 1852

Angola:
Kameia National Park: MDL
Luiana Partial Reserve: CM
Botswana:
Chobe National Park: NHMZ
NG/14 Wildlife Management Area: TM
NG/19 Wildlife Management Area: NHMZ
NG/21 Wildlife Management Area: NHMZ, USNM
NG/26 Wildlife Management Area: NHMZ
NG/27A Wildlife Management Area: NHMZ
Okavango Delta System Not Applicable: AMNH, TM, NHMZ, FMNH, HZM, USNM
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RMCA
Garamba National Park Not Applicable: RMCA
Lubudi - Samppa Hunting Reserve: RMCA
Parc national des Virunga Not Applicable: RMCA

Malawi:
Kasungu National Park: ZMA
Mulanje Forest Reserve: AMNH
Mvai Forest Reserve: TM
Mozambique:
Coutada Oficial No. 14 Hunting Reserve: NHMZ
Niassa Game Reserve: DNSM
Zinave National Park: AMNH
Namibia:
Bwabwata Game Park: SMW, TM, KM, AMNH
South Africa:
Klaserie Private Nature Reserve: TM
Kruger National Park: TM, CM, AMNH
Mapungubwe National Park: TM
Sabie Sand Private Natural Reserve: TM
Swaziland:
Mlawula Nature Reserve: DNSM
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: KM
Forest Reserve Name Unknown (ZMB) No.60 Forest Reserve: BMNH
Kafue National Park: NMZL
Kafue Flats Game Management Area: BMNH
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: HZM
Musalangu Game Management Area: HZM
South Luangwa National Park: BMNH
West Zambezi Game Management Area: BMNH, FMNH, TM, HZM
Zimbabwe:
Charara Safari Area: CM
Chipinge Safari Area: BMNH
Hwange (Wankie) National Park: NHMZ
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: HZM
Matetsi Safari Area: TM
Sengwe Wildlife Management Area: NHMZ

Epomophorus dobsonii Bocage, 1889

Botswana:
Chobe National Park: NHMZ
Malawi:
Kasungu National Park: ZMA
Nyika National Park: ZMA
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: NHMZ
Lukwakwa Game Management Area: HZM
Lunga-Luswishi Game Management Area: NHMZ, FMNH
Mwekera East Forest Reserve: NHMZ
West Zambezi Game Management Area: FMNH

Epomophorus gambianus (Ogilby, 1835)

Benin:
Ouémé Superieur Classified Forest: USNM
Botswana:
NG/21 Wildlife Management Area: USNM
Burkina Faso:
Arly Faunal Reserve: USNM
Central African Republic:
Gribingui-Bamingui Faunal Reserve: SMF, BMNH
Zone Pilote de la Sangba Classified Forest: CM
Côte d'Ivoire:
Comoé National Park Not Applicable: RMCA
Foro Foro Classified Forest: CM
Ethiopia:
Jikao Controlled Hunting Area: SMF
Niger:
Tamou Faunal Reserve: USNM
Nigeria:
Yankari Forest Reserve: HNHM
Senegal:
Parc national du Niokolo-Koba Not Applicable: USNM
Togo:
Atakpamé Forest Reserve: RMCA
Bassari-Montagne Forest Reserve: RMCA
Kéran National Park: RMCA

Epomophorus labiatus (Temminck, 1837)

Burundi:
Rusizi National Park: RMCA
Democratic Republic of the Congo:
Bili-Uere Hunting Reserve: RMNH
Gangala-na Bodio Hunting Reserve: RMCA, AMNH
Garamba National Park Not Applicable: RMCA
Kahuzi-Biega National Park Not Applicable: RMCA
Mondo Missa Hunting Zone: RBINS
Okapi Wildlife Reserve Not Applicable: RMCA
Parc national des Virunga Not Applicable: RMCA
Ethiopia:
Abijatta-Shalla Lakes National Park: BMNH, SMF
Awash West Controlled Hunting Area: USNM
Malawi:
Kasungu National Park: ZMA
Liwonde National Park: TM
Mulanje Forest Reserve: HZM
Tanzania, United Republic of:
Kalambo falls Forest Reserve: HZM, NHMZ
Kilombero Valley Floodplain Not Applicable: ZMB
Livingstone Forest Reserve: MCZ
Mikumi National Park: FMNH
Minziro Forest Reserve: SMF
Selous Game Reserve Not Applicable: SMF
Serengeti National Park Not Applicable: BMNH
Uwanda Game Reserve: HZM
West Kilombero Scarp Forest Reserve: ROM
Uganda:
Amudat Community Wildlife Management Area: USNM
Entebbe Wildlife Sanctuary: BMNH, AMNH
Mount Elgon Not Applicable: NMW
Rwenzori Mountains National Park Not Applicable: MIZT
South Karamoja Controlled Hunting Area: BMNH
Zambia:
Forest Reserve Name Unknown (ZMB) No.3 Forest Reserve: KM, HZM
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: NHMZ, KM
Kasama Forest Reserve: NHMZ
Lumimba Game Management Area: BMNH
Lupande Game Management Area: NHMZ
South Luangwa National Park: NHMZ, BMNH

Epomophorus minimus Claessen & De Vree, 1991

Ethiopia:
Abijatta-Shalla Lakes National Park: USNM
Afdem-Gewane Controlled Hunting Area: SMF
Awash West Controlled Hunting Area: BMNH, USNM, ROM, SMF
Chelbi Wildlife Reserve: BMNH, SMNS
Eastern Hararghe (Harar-Wabi Shebelle) Controlled Hunting Area: OSU
Gewane Wildlife Reserve: SMNS
Kubayo National Forest Priority Area: ROM
Omo West Controlled Hunting Area: USNM
Wof-Washa National Forest Priority Area: MNHN
Kenya:
Samburu National Reserve: BMNH
Tanzania, United Republic of:
Lake Natron Basin Not Applicable: BMNH
Uganda:
Amudat Community Wildlife Management Area: USNM

Epomophorus minor Dobson, 1880

Tanzania, United Republic of:
Mount Meru Game Reserve: AMNH
Zambia:
Lukusuzi National Park: NMZL
Lupande Game Management Area: AMNH

Epomophorus wahlbergi (Sundevall, 1846)

Angola:
Luando Integral Nature Reserve: IICA

Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: SMF, RMCA
Kenya:
Diani Marine National Reserve: CM
Kakamega Forest Reserve: CM
Karura Forest Reserve: SMF
Masai Mara National Reserve: CM, FMNH
Ngong Hills Forest Reserve: USNM
Shimba Hills National Reserve: ROM, RMNH, MWSU, CM
Tsavo East National Park: USNM
Witu Forest Reserve: AMNH
Malawi:
Mulanje Forest Reserve: HZM, KM
Wilindi Forest Reserve: NMZL
Mozambique:
Coutada Oficial 4 Hunting Reserve: USNM
Coutada Oficial No. 14 Hunting Reserve: NHMZ
Maputo Special Reserve: TM
Zinave National Park: MWSU, AMNH
South Africa:
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: TM
Greater St Lucia Wetland Park Not Applicable: TM, DNSM
Harold Johnson Provincial Nature Reserve: DNSM
Hluhluwe-umfolozi Provincial Nature Reserve: TM
Kruger National Park: TM, NMB, CM, AMNH, KM
Legalameetse Nature Reserve: TM
Loskop Dam Provincial Nature Reserve: TM
Mapungubwe National Park: TM
Mkambati Marine Protected Area: TM
Ndumo Provincial Nature Reserve: TM
Oribi Gorge Provincial Nature Reserve: TM
Swaziland:
Mlawula Nature Reserve: DNSM
Tanzania, United Republic of:
Arusha National Park: ZMZ
Baga I (Mzinga) Forest Reserve: SMF
IKONA Wildlife Management Area: AMNH
Livingstone Forest Reserve: RMCA
Luhombero Luwegu Forest Reserve: HZM
Northern Highlands Forest Reserve: SMF
Rondo Forest Reserve: HZM, RMCA
Serengeti National Park Not Applicable: AMNH
Shume Magamba Forest Reserve: ZMB, SMF
Vikindu Forest Reserve: ZMB
West Kilombero Scarp Forest Reserve: SMF
Zambia:
Forest Reserve Name Unknown (ZMB) No.3 Forest Reserve: BMNH
Kafue Flats Game Management Area: CAS
Lupande Game Management Area: HZM
Zimbabwe:
Chimanimani National Park: NHMZ, TM
Chirisa Safari Area: TM
Karamba Wildlife Management Area: NHMZ
Ngorima B Wildlife Management Area: NHMZ
Ngungunyana State Forest: USNM

Epomops buettikoferi (Matschie, 1899)

Côte d'Ivoire:
Banco National Park: USNM
Classified Forest Name Unknown (CIV) No.66 Classified Forest: USNM
Ghana:
Bimpong Forest Reserve: BMNH
Boin Tano Forest Reserve: ZFMK
Guinea:
Mount Nimba Strict Nature Reserve: BMNH, RBINS
Mount Nimba Strict Nature Reserve Not Applicable: RBINS

Epomops franqueti (Tomes, 1860)

Cameroon:
Mengame Gorilla Sanctuary Wildlife Sanctuary: RMCA

Democratic Republic of the Congo:
Mai Mpili Forest Reserve: RMCA
Okapi Wildlife Reserve Not Applicable: RMCA
Parc national des Virunga Not Applicable: AMNH
Togo:
Atilakoutse Forest Reserve: RMCA
Uganda:
Queen Elizabeth National Park Not Applicable: AMNH

Hypsignathus monstrosus H. Allen, 1862

Côte d'Ivoire:
Mt. Sassandra Classified Forest: ORSTOM
Democratic Republic of the Congo:
Okapi Wildlife Reserve Not Applicable: RMCA
Parc national des Virunga Not Applicable: RMCA
Yangambi forest and floral reserve Strict Nature Reserve: RMCA

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012

Ghana:
Muro Forest Reserve: ZFMK
Liberia:
Lorma National Forest: RMCA

Megaloglossus woermanni Pagenstecher, 1885

Cameroon:
Mengame Gorilla Sanctuary Wildlife Sanctuary: RMCA
Democratic Republic of the Congo:
Kahuzi-Biega National Park Not Applicable: RMCA
Massif d'Itombwe Nature Reserve: RMCA
Okapi Wildlife Reserve Not Applicable: RMCA

Micropteropus intermedius Hayman, 1963

Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: SMF

Micropteropus pusillus (Peters, 1868)

Cameroon:
Mbam et Djerem National Park: RMCA
Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: RMCA
Côte d'Ivoire:
Foro Foro Classified Forest: AMNH
Democratic Republic of the Congo:
Bombo-Lumene Hunting Reserve: RMCA
Garamba National Park Not Applicable: RMCA
Mai Mpili Forest Reserve: RMCA
Upemba National Park: RBINS
Ghana:
Boin Tano Forest Reserve: ZFMK
Muro Forest Reserve: ZFMK
Liberia:
Cape Mount Nature Conservation Unit: AMNH
Nigeria:
Yankari Forest Reserve: HNHM
Togo:
Atakpamé Forest Reserve: RMCA
Atilakoutse Forest Reserve: RMCA
Bassari-Montagne Forest Reserve: RMCA
Kéran National Park: RMCA

Myonycteris angolensis (Bocage, 1898)

Democratic Republic of the Congo:
Lubudi - Samppa Hunting Reserve: RMCA
Massif d'Itombwe Nature Reserve: RMCA
Parc national des Virunga Not Applicable: AMNH
Upemba National Park: RBINS
Equatorial Guinea:
Caldera de Luba Scientific Reserve: AMNH

Rwanda:
Nyungwe National Park: RMCA
Tanzania, United Republic of:
Amani Nature Reserve: ZMB
Uganda:
Rwenzori Mountains National Park Not Applicable: RMCA

Myonycteris angolensis goliath (Bergmans, 1997)

Mozambique:
Coutada Oficial No. 14 Hunting Reserve: NHMZ
Zimbabwe:
Ngorima B Wildlife Management Area: NHMZ
Rhodes Nyanga National Park: NHMZ

Myonycteris angolensis ruwenzorii (Eisentraut, 1965)

Tanzania, United Republic of:
Amani Nature Reserve: AMNH

Myonycteris relicta Bergmans, 1980

Mozambique:
Maronga Forest Reserve: NHMZ
Tanzania, United Republic of:
Shume Magamba Forest Reserve: ZMB

Myonycteris torquata (Dobson, 1878)

Cameroon:
Mengame Gorilla Sanctuary Wildlife Sanctuary: RMCA
Democratic Republic of the Congo:
Kahuzi-Biega National Park Not Applicable: RMCA
Equatorial Guinea:
Pico de Basilé National Park: ZMB

Nanonycteris veldkampii (Jentink, 1888)

Cameroon:
Mbam et Djerem National Park: RMCA
Togo:
Atakpamé Forest Reserve: RMCA
Kéran National Park: RMCA

Plerotes anchietae (Seabra, 1900)

Democratic Republic of the Congo:
Upemba National Park: RBINS
Malawi:
Nyika National Park: SMF

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)

Democratic Republic of the Congo:
Kahuzi-Biega National Park Not Applicable: RMCA
Maniema Forest Reserve: RMCA
Parc national des Virunga Not Applicable: AMNH
Rutshuru Hunting Reserve: RMCA
Ghana:
Mole National Park: AMNH
Malawi:
Lengwe National Park: ZMA
Mulanje Forest Reserve: KM
South Africa:
Addo Elephant National Park: KM
Cape Floral Region Protected Areas Not Applicable: NHMZ, SAMC
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: DNSM
Greater St Lucia Wetland Park Not Applicable: TM
Hluhluwe-umfolozi Provincial Nature Reserve: KM
Kruger National Park: NHMZ, TM
Legalameetse Nature Reserve: TM
Tanzania, United Republic of:
Livingstone Forest Reserve: RMCA
Uganda:
Mount Elgon Not Applicable: AMNH

Zambia:
South Luangwa National Park: BMNH
Zimbabwe:
Chimanimani National Park: TM, NHMZ
Erin State Forest: NHMZ
Great Dyke State Land Sanctuary: NHMZ
Ngorima B Wildlife Management Area: NHMZ
Sidinda Wildlife Management Area: NHMZ

Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015

Gabon:
Ivindo National Park: CUMV

Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015

Democratic Republic of the Congo:
Okapi Wildlife Reserve Not Applicable: RMCA

Scotonycteris zenkeri Matschie, 1894

Cameroon:
Bambuko Forest Reserve: ROM
Mengame Gorilla Sanctuary Wildlife Sanctuary: RMCA

Stenonycteris lanosus (Thomas, 1906)

Democratic Republic of the Congo:
Parc national des Virunga Not Applicable: RMCA
Rwanda:
Gishwati Forest Reserve: RMCA
Uganda:
Rwenzori Mountains National Park Not Applicable: RMCA

Asellia tridens (E. Geoffroy St.-Hilaire, 1813)

Niger:
Termit Massif Faunal Reserve Buffer Zone: RMCA

Doryrhina cyclops (Temminck, 1853)

Cameroon:
Nki National Park: RMCA
Democratic Republic of the Congo:
Garamba National Park Not Applicable: RMCA
Okapi Wildlife Reserve Not Applicable: RMCA
Equatorial Guinea:
Pico de Basilé National Park: AMNH
Senegal:
Parc national du Niokolo-Koba Not Applicable: IVB

Hipposideros abae J.A. Allen, 1917

Democratic Republic of the Congo:
Bili-Uere Hunting Reserve: RMCA
Garamba National Park Not Applicable: RMCA
Ghana:
Mole National Park: AMNH

Hipposideros beatus (K. Andersen, 1906)

Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RMCA
Garamba National Park Not Applicable: RMCA
Ghana:
Boin Tano Forest Reserve: ZFMK

Hipposideros caffer (Sundevall, 1846)

Botswana:
Chobe National Park: NHMZ, USNM
Kasane Forest Reserve: ROM
Okavango Delta System Not Applicable: TM
Cameroon:
Babules Forest Reserve: ROM
Dja Faunal Reserve Not Applicable: ROM
Mangroves de Ndongore National Park: ZMB
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RMCA, AMNH
Garamba National Park Not Applicable: RMCA
Upemba National Park: RBINS
Ghana:
Anhwiaso East Forest Reserve: ROM
Mole National Park: AMNH
Mozambique:
Coutada N. 12 Hunting Reserve: NHMZ
Coutada Oficial 4 Hunting Reserve: NHMZ
Limpopo National Park: CZL
Niassa Game Reserve: DNSM
Zinave National Park: AMNH
Namibia:
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable: SMW
Namib Naukluft National Park: TM, SMW
Nigeria:
Kashimbila Game Reserve: ROM
Senegal:
Parc national du Niokolo-Koba Not Applicable: IVB
Sierra Leone:
Outamba-Kilimi National Park: USNM
South Africa:
Blouberg Nature Reserve: TM
Dlinza Nature Reserve Provincial Nature Reserve: DNSM
Greater St Lucia Wetland Park Not Applicable: TM, DNSM
Harold Johnson Provincial Nature Reserve: DNSM
Hluhluwe-umfolozi Provincial Nature Reserve: TM, KM, DNSM
Ithala Provincial Nature Reserve: DNSM
Krantzkloof Provincial Nature Reserve: DNSM
Kruger National Park: AMNH, KM, TM
Legalameetse Nature Reserve: TM
Loskop Dam Provincial Nature Reserve: TM
Manyeleti Game Reserve Game Farm: TM
Mapungubwe National Park: TM
Oribi Gorge Provincial Nature Reserve: TM
Vernon Crookes Provincial Nature Reserve: TM
Swaziland:
Hlane Game Sanctuary: DNSM, TM
Malolotja Nature Reserve: NMB
Mlawula Nature Reserve: TM, DNSM, BMNH
Tanzania, United Republic of:
Shume Magamba Forest Reserve: ZMB
Uganda:
Queen Elizabeth National Park Not Applicable: AMNH
Zambia:
Forest Reserve Name Unknown (ZMB) No.43 Forest Reserve: NHMZ
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: KM
Kafinda Game Management Area: NHMZ
Kafue National Park: AMNH
Lower Zambezi National Park: NHMZ
Musalangu Game Management Area: NHMZ
Nsumbu National Park: NHMZ
Sandwe Game Management Area: NHMZ
Zimbabwe:
Chalala Sanctuary: DNSM, NHMZ
Chapoto Wildlife Management Area: NHMZ
Chete Safari Area: NHMZ
Chirisa Safari Area: NHMZ, TM, ROM
Gonarezhou National Park: NHMZ
Hwange (Wankie) National Park: NHMZ
Kabuba Wildlife Management Area: NHMZ
Kanyati A Wildlife Management Area: NHMZ
Kariba Recreation Park: NHMZ
Machuchuta Wildlife Management Area: NHMZ

Malipati Safari Area: NHMZ
Mushandike Sanctuary: NHMZ
Nenyunka Wildlife Management Area: NHMZ
Nsenga Wildlife Management Area: NHMZ
Sengwe Wildlife Management Area: NHMZ
Sinansengwe Wildlife Management Area: NHMZ
Unknown 4 Wildlife Management Area: NHMZ

Hipposideros fuliginosus (Temminck, 1853)

Ghana:
Boin Tano Forest Reserve: ZFMK
Muro Forest Reserve: ZFMK
Tanzania, United Republic of:
Serengeti National Park Not Applicable: ZMB

Hipposideros lamottei Brosset, 1985

Guinea:
Mount Nimba Strict Nature Reserve: MNHN, MHNG

Hipposideros ruber (Noack, 1893)

Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: RMCA
Democratic Republic of the Congo:
Bili-Uere Hunting Reserve: RMCA
Gangala-na Bodio Hunting Reserve: AMNH
Garamba National Park Not Applicable: RMCA
Kahuzi-Biega National Park Not Applicable: RMCA
Lubudi - Samppa Hunting Reserve: RMCA
Mai Mpili Forest Reserve: RMCA
Maiko National Park: AMNH
Okapi Wildlife Reserve Not Applicable: RMCA
Parc national des Virunga Not Applicable: RMCA
Upemba National Park: RBINS, MHNG
Utunda and Wassa Gorilla Reserve: RMCA
Ghana:
Mole National Park: AMNH
Muro Forest Reserve: ZFMK
Malawi:
Liwonde National Park: TM
Senegal:
Parc national du Niokolo-Koba Not Applicable: IVB
Tanzania, United Republic of:
Ngongwa-Busangi Forest Reserve: AMNH
Serengeti National Park Not Applicable: ZMB
Togo:
Bassari-Montagne Forest Reserve: RMCA
Uganda:
Entebbe Wildlife Sanctuary: BMNH, AMNH
Zambia:
Kaputa Game Management Area: RMCA
Sandwe Game Management Area: NHMZ

Hipposideros tephrus (Cabrera, 1906)

Ethiopia:
Dengego-Melka Jedbu National Forest Priority Area: ZMB
Morocco:
Souss-Massa National Park: NMP
Senegal:
Parc national du Niokolo-Koba Not Applicable: IVB

Macronycteris gigas (Wagner, 1845)

Côte d'Ivoire:
Mount Nimba Strict Nature Reserve Not Applicable: SMF
Ghana:
Boin Tano Forest Reserve: ZFMK
Muro Forest Reserve: ZFMK
Liberia:
East Nimba National Forest: SMF

Macronycteris vittatus (Peters, 1852)

Botswana:
NG/29 Wildlife Management Area: NHMZ
NG/4 Wildlife Management Area: USNM, TM, NHMZ
NG/5 Wildlife Management Area: USNM
Okavango Delta System Not Applicable: NHMZ
Democratic Republic of the Congo:
Kundelungu National Park: RMCA
Ethiopia:
Borana Controlled Hunting Area: ZMB
Mozambique:
Coutada Oficial 4 Hunting Reserve: NHMZ
Namibia:
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable: TM, SMW
Senegal:
Parc national du Niokolo-Koba Not Applicable: IVB
South Africa:
Kruger National Park: TM
Tanzania, United Republic of:
Ngongwa-Busangi Forest Reserve: AMNH
Zambia:
Kafue Flats Game Management Area: NHMZ
Sandwe Game Management Area: NHMZ
Zimbabwe:
Chalala Sanctuary: NHMZ
Chirisa Safari Area: NHMZ
Chiroti/Fuleche Wildlife Management Area: NHMZ
Chitsa Wildlife Management Area: NHMZ
Hwange (Wankie) National Park: NHMZ
Kabuba Wildlife Management Area: NHMZ
Kanyurira Sanctuary: NHMZ
Mushandike Sanctuary: NHMZ
Nenyunka Wildlife Management Area: NHMZ
Rhodes Matopos National Park: NHMZ

Cardioderma cor (Peters, 1872)

Ethiopia:
Awash National Park: HNHM

Lavia frons (E. Geoffroy St.-Hilaire, 1810)

Burundi:
Rusizi National Park: RMCA
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RMCA, AMNH
Garamba National Park Not Applicable: RMCA
Mondo Missa Hunting Zone: RMCA
Parc national des Virunga Not Applicable: RMCA, ZMB
Upemba National Park: RBINS
Kenya:
Amboseli National Reserve: AMNH
Mount Kenya National Park/Natural Forest Not Applicable: AMNH
Tsavo East National Park: RMCA
Rwanda:
Akagera National Park: RMCA
Senegal:
Parc national du Niokolo-Koba Not Applicable: RMCA
Tanzania, United Republic of:
Serengeti National Park Not Applicable: ZMB
Togo:
Kéran National Park: RMCA
Uganda:
Entebbe Wildlife Sanctuary: ZMB
Queen Elizabeth National Park Not Applicable: AMNH
Rwenzori Mountains National Park Not Applicable: RMCA
South Karamoja Controlled Hunting Area: AMNH
Zambia:
Tondwa Game Management Area: BMNH

Rhinolophus Lacépède, 1799

South Africa:
ABE Bailey Provincial Nature Reserve: TM

Hans Merensky Nature Reserve: TM
Isaac Stegmann Private Nature Reserve: TM
Kubusi Indigenous State Forest DWAF (Dept. Water & Forestry) Forest Area: TM
Tsitsikamma National Park: TM

Tanzania, United Republic of:
Shume Magamba Forest Reserve: ZMB

Rhinolophus blasii Peters, 1867

Ethiopia:
Dengego-Melka Jedbu National Forest Priority Area: ZMB

Mozambique:
Coutada Oficial 4 Hunting Reserve: NHMZ

South Africa:
Cheetah Park Private Nature Reserve: TM
Isaac Stegmann Private Nature Reserve: TM
Ithala Provincial Nature Reserve: TM
John Nash Nature Reserve Natural Heritage Site National Heritage Site: TM
Kruger National Park: TM
Sudwala Reenwoud National Heritage Site: TM
Wonderkop Nature Reserve: TM

Swaziland:
Mlawula Nature Reserve: DNSM

Zambia:
South Luangwa National Park: NHMZ

Zimbabwe:
Bubiana Sanctuary: NHMZ
Matusadona National Park: NHMZ
Sidinda Wildlife Management Area: NHMZ

Rhinolophus capensis Lichtenstein, 1823

South Africa:
Addo Elephant National Park: TM
Ais - Ais/Richtersveld National Park: KM
Cape Floral Region Protected Areas Not Applicable: SAMC, TM
Krantzkloof Provincial Nature Reserve: TM
Langeberg -wes Mountain Catchment Area: SAMC
Settlers Park Local Authority Nature Reserve Nature Reserve: NHMZ
Tsitsikamma National Park: NHMZ
West Coast National Park: TM

Rhinolophus clivosus Cretzschmar, 1828

Botswana:
Okavango Delta System Not Applicable: AMNH

Democratic Republic of the Congo:
Lubudi - Samppa Hunting Reserve: RMCA

Lesotho:
Lesotho National Park: NMB

South Africa:
ABE Bailey Provincial Nature Reserve: TM
Agulhas National Park: TM
Boondocks National Heritage Site: TM
Cape Floral Region Protected Areas Not Applicable: NHMZ, TM, SAMC
Cheetah Park Private Nature Reserve: TM
Dumaneni Reserve English designation not known: USNM
Goegab Nature Reserve: TM
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: DNSM
Groendal Wilderness Area Provincial Nature Reserve: TM
Groenkloof National Park: TM
Isaac Stegmann Private Nature Reserve: TM, KM
Ithala Provincial Nature Reserve: DNSM
John Nash Nature Reserve Natural Heritage Site National Heritage Site: AMNH, TM, DNSM
Kammanassie Mountain Catchment Area: TM
Klaserie Private Nature Reserve: TM
Kruger National Park: TM
Langeberg -wes Mountain Catchment Area: KM
Legalameetse Nature Reserve: TM
Madikwe Nature Reserve: TM
Magaliesberg Nature Area Nature Reserve: TM
Mkambati Marine Protected Area: KM
Motlatse Canyon Nature Reserve: TM
Mountainlands Provincial Nature Reserve: DNSM
No Name 6 Conservation Area: TM

Songimvelo Provincial Nature Reserve: USNM, DNSM
Sudwala Reenwoud National Heritage Site: TM
Table Mountain National Park Marine Protected Area: SAMC
UKhahlamba / Drakensberg Park Not Applicable: DNSM, TM
Vredefort Dome - Core Area Not Applicable: NMB
West Coast National Park: TM
Wolkberg (serala) Wilderness Area Conservation Area: TM

Swaziland:
Malolotja Nature Reserve: TM

Tanzania, United Republic of:
Livingstone Forest Reserve: RMCA

Uganda:
Mount Elgon Not Applicable: HNHM

Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: KM

Zimbabwe:
Chimanimani National Park: TM
Great Dyke State Land Sanctuary: NHMZ
Hwange (Wankie) National Park: NHMZ
Karamba Wildlife Management Area: NHMZ
Ngorima B Wildlife Management Area: NHMZ
Ngungunyana State Forest: NHMZ
Rhodes Nyanga National Park: TM
Robert McIlwaine Recreation Park: NHMZ

Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

South Africa:
Sudwala Reenwoud National Heritage Site: TM

Rhinolophus damarensis Roberts, 1946

Namibia:
Namib Naukluft National Park: SMW, TM
Von Bach Recreational Resort: ZMB

South Africa:
Ais - Ais/Richtersveld National Park: KM

Rhinolophus darlingi K. Andersen, 1905

Botswana:
Chobe National Park: NHMZ
Okavango Delta System Not Applicable: NHMZ

Lesotho:
Lesotho National Park: NMB

Mozambique:
Regime de Vigilância da Extinta Coutada No. 3 (Nkanga Ntoce) Hunting Reserve: NHMZ

South Africa:
Driebos State Forest DWAF (Dept. Water & Forestry) Forest Area: TM
Dumaneni Reserve English designation not known: USNM
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: TM, DNSM
Hluhluwe-umfolozi Provincial Nature Reserve: DNSM
John Nash Nature Reserve Natural Heritage Site National Heritage Site: TM
Kruger National Park: AMNH, TM
Legalameetse Nature Reserve: TM
Madikwe Nature Reserve: TM
Mapungubwe National Park: TM
Motlatse Canyon Nature Reserve: TM
Percy Fyfe Nature Reserve: TM
Wonderkop Nature Reserve: TM

Swaziland:
Malolotja Nature Reserve: DNSM
Mlawula Nature Reserve: DNSM, TM

Tanzania, United Republic of:
Serengeti National Park Not Applicable: AMNH

Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: KM

Zimbabwe:
Chapoto Wildlife Management Area: NHMZ
Chimanimani National Park: TM
Great Dyke State Land Sanctuary: NHMZ
Hwange (Wankie) National Park: NHMZ
Malipati Safari Area: NHMZ
Mushandike Sanctuary: NHMZ
Rhodes Matopos National Park: NHMZ

Rhodes Nyanga National Park: TM
Robert McIlwaine Recreation Park: NHMZ
Sengwe Wildlife Management Area: NHMZ
Unknown 4 Wildlife Management Area: NHMZ

Rhinolophus denti Thomas, 1904

Botswana:
NG/4 Wildlife Management Area: USNM, NHMZ, TM
NG/5 Wildlife Management Area: NHMZ
Namibia:
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable: SMW

Rhinolophus eloquens K. Andersen, 1905

Uganda:
Entebbe Wildlife Sanctuary: BMNH
Kibale National Park: AMNH

Rhinolophus fumigatus Rüppell, 1842

Burkina Faso:
Kabore-Tambi National Park: AMNH
Democratic Republic of the Congo:
Garamba National Park Not Applicable: RMCA
Kundelungu National Park: RMCA
Malawi:
Mulanje Forest Reserve: KM
Zomba# Forest Reserve: KM
Mozambique:
Niassa Game Reserve: DNSM
Namibia:
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable: SMW
South Africa:
Kruger National Park: TM
Motlatse Canyon Nature Reserve: TM
Zambia:
Mosi-Oa-Tunya National Park: NHMZ
West Petauke Game Management Area: NHMZ
Zimbabwe:
Chete Safari Area: NHMZ
Chirisa Safari Area: TM, NHMZ
Gonarezhou National Park: NHMZ
Kabuba Wildlife Management Area: NHMZ
Kanyati A Wildlife Management Area: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Malipati Safari Area: NHMZ
Matetsi Safari Area: NHMZ
Mosi-oa-Tunya/Victoria Falls Not Applicable: RMCA
Mukota A Wildlife Management Area: NHMZ
Nemananga Wildlife Management Area: NHMZ
Save Conservancy Sanctuary: NHMZ
Sikalenge Wildlife Management Area: NHMZ
Simchembo Wildlife Management Area: NHMZ

Rhinolophus hildebrandtii Peters, 1878

Democratic Republic of the Congo:
Lubudi - Samppa Hunting Reserve: RMCA
Upemba National Park: RMCA, RBINS
Ethiopia:
Kubayo National Forest Priority Area: ZMB
Kenya:
Tsavo East National Park: BMNH
Tanzania, United Republic of:
Amani Nature Reserve: SMF
Bamba Ridge Forest Reserve: SMF
Lake Manyara National Park: AMNH
Litipo Forest Reserve: SMF
Mount Meru Game Reserve: AMNH
Mtai Forest Reserve: SMF
Segoma Forest Reserve: SMF
Shume Magamba Forest Reserve: ZMB
Tongwe Forest Reserve: SMF

Zambia:
Chamato Forest Reserve: RMCA

Rhinolophus landeri Martin, 1838

Equatorial Guinea:
Pico de Basilé National Park: AMNH, BMNH
Ghana:
Mole National Park: AMNH
Senegal:
Parc national du Niokolo-Koba Not Applicable: IVB
Togo:
Atakpamé Forest Reserve: RMCA

Rhinolophus lobatus Peters, 1852

Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: RMCA
Democratic Republic of the Congo:
Garamba National Park Not Applicable: RMCA
Luama/Shaba Hunting Zone: RMCA
Lubudi - Samppa Hunting Reserve: RMCA
Upemba National Park: RBINS
Mozambique:
Coutada Oficial 4 Hunting Reserve: NHMZ
Zinave National Park: NHMZ
South Africa:
Kruger National Park: TM
Sudwala Reenwoud National Heritage Site: TM
Tanzania, United Republic of:
Kiwengoma Forest Reserve: ZMB
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: KM
Lupande Game Management Area: BMNH
Zimbabwe:
Chalala Sanctuary: NHMZ
Chirisa Safari Area: TM, ROM
Kariba Recreation Park: NHMZ
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: NHMZ
Mola A Sanctuary: NHMZ
Mushandike Sanctuary: NHMZ
Nenyunka Wildlife Management Area: NHMZ

Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

Mozambique:
Niassa Game Reserve: DNSM

Rhinolophus rhodesiae Roberts, 1946

Democratic Republic of the Congo:
Upemba National Park: HNHM
South Africa:
Kruger National Park: TM
Zimbabwe:
Chalala Sanctuary: NHMZ
Chirisa Safari Area: NHMZ, HZM
Hwange (Wankie) National Park: HZM, NHMZ
Nenyunka Wildlife Management Area: NHMZ

Rhinolophus simulator K. Andersen, 1904

Democratic Republic of the Congo:
Upemba National Park: SMF
Ethiopia:
Bale Controlled Hunting Area: SMF
Malawi:
Nyika National Park: SMF
South Africa:
Boondocks National Heritage Site: TM
Cheetah Park Private Nature Reserve: TM
Driekop Caves National Heritage Site: TM
Groot-letaba Wildreservaat Wildlife Reserve Wildlife Management Area: TM
Kruger National Park: AMNH, TM
Loskop Dam Provincial Nature Reserve: TM

Madikwe Nature Reserve: TM
Vernon Crookes Provincial Nature Reserve: TM, DNSM
Swaziland:
Mlawula Nature Reserve: DNSM
Tanzania, United Republic of:
West Kilombero Scarp Forest Reserve: SMF
Zambia:
East Lunga Forest Reserve: BMNH
Zimbabwe:
Chiroti/Fuleche Wildlife Management Area: NHMZ
Robert McIlwaine Recreation Park: NHMZ

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

Mozambique:
Coutada Oficial 4 Hunting Reserve: AMNH, NHMZ
Zinave National Park: AMNH
South Africa:
Kruger National Park: TM
Mapungubwe National Park: TM
Motlatse Canyon Nature Reserve: TM
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: KM
South Luangwa National Park: NHMZ
Zimbabwe:
Chalala Sanctuary: NHMZ
Chete Safari Area: NHMZ
Chirisa Safari Area: TM, NHMZ
Gwayi State Forest: NHMZ
Hwange (Wankie) National Park: NHMZ
Kabuba Wildlife Management Area: NHMZ
Karamba Wildlife Management Area: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Malipati Safari Area: NHMZ
Mana Pools National Park: TM
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: NHMZ
Matetsi Safari Area: NHMZ
Mushandike Sanctuary: NHMZ
Nemananga Wildlife Management Area: NHMZ
Rhodes Matopos National Park: NHMZ, TM
Robert McIlwaine Recreation Park: NHMZ
Unknown 4 Wildlife Management Area: NHMZ

Rhinolophus swinnyi Gough, 1908

South Africa:
Driebos State Forest DWAF (Dept. Water & Forestry) Forest Area: TM
Driekop Caves National Heritage Site: TM
Hluhluwe-umfolozi Provincial Nature Reserve: TM, DNSM

Cloeotis percivali Thomas, 1901

Democratic Republic of the Congo:
Upemba National Park: SMF
South Africa:
Greater St Lucia Wetland Park Not Applicable: DNSM
Zambia:
Lunga-Luswishi Game Management Area: RMCA
Ntombolole Forest Reserve: HZM
Zimbabwe:
Chirisa Safari Area: ROM, NHMZ
Robert McIlwaine Recreation Park: NHMZ

Paratriaenops pauliani (Goodman and Ranivo, 2008)

Seychelles:
Aldabra Atoll Not Applicable: CUMZ, FMNH, BMNH

Triaenops Dobson, 1871

Ethiopia:
Dengego-Melka Jedbu National Forest Priority Area: ZMB

Triaenops afer Peters, 1877

Mozambique:
"Bloco C" Luwiri Hunting Reserve: DNSM
Niassa Game Reserve: DNSM

Rhinopoma cystops Thomas, 1903

Burkina Faso:
Sahel Partial Faunal Reserve: SMF
Ethiopia:
Awash National Park: BMNH, HNHM, SMF

Rhinopoma macinnesi Hayman, 1937

Kenya:
Central Island National Park: BMNH, ROM

Rhinopoma microphyllum (Brünnich, 1782)

Burkina Faso:
Sahel Partial Faunal Reserve: SMF

Coleura afra (Peters, 1852)

Central African Republic:
Zone Pilote de la Sangba Classified Forest: BMNH
Ghana:
Mole National Park: AMNH
Kenya:
Tsavo East National Park: AMNH

Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)

Madagascar:
Ankarana Special Reserve: FMNH
Daraina English designation not known: FMNH
Tsingy de Bemaraha National Park: UADBA

Saccolaimus peli (Temminck, 1853)

Angola:
Kameia National Park: MDL
Democratic Republic of the Congo:
Parc national des Virunga Not Applicable: RMCA
Sankuru Natural Reserve: RMCA

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818

Botswana:
Chobe National Park: NHMZ
NG/21 Wildlife Management Area: USNM
Okavango Delta System Not Applicable: NHMZ
Burundi:
Rusizi National Park: RMCA
Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: RMCA
Democratic Republic of the Congo:
Bili-Uere Hunting Reserve: RMCA
Bombo-Lumene Hunting Reserve: RMCA
Gangala-na Bodio Hunting Reserve: AMNH, RMCA, MCZ
Garamba National Park Not Applicable: RMCA
Lubudi - Samppa Hunting Reserve: RMCA
Upemba National Park: RBINS
Yangambi forest and floral reserve Strict Nature Reserve: RMCA
Equatorial Guinea:
Pico de Basilé National Park: AMNH, ZMB
Kenya:
Tsavo East National Park: ROM, SMF
Malawi:
Kasungu National Park: NHMZ
Namibia:
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable: BMNH
Skeleton Coast Game Park: SMW

South Africa:
Baobab Tree Reserve Conservation Area: TM
Greater St Lucia Wetland Park Not Applicable: TM
Hans Merensky Nature Reserve: TM
Kruger National Park: AMNH, NHMZ, TM
Magaliesberg Nature Area Nature Reserve: TM
No Name 14 Conservation Area: TM
UKhahlamba / Drakensberg Park Not Applicable: DNSM
Swaziland:
Mlawula Nature Reserve: DNSM
Tanzania, United Republic of:
Kwamgumi Forest Reserve: SMF
Lake Manyara National Park: SMF
Uganda:
Entebbe Wildlife Sanctuary: AMNH
Murchison Falls National Park: CAS
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: KM
Kafue National Park: NMZL
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: NMZL
Munyamadzi Game Management Area: UZMZ
West Zambezi Game Management Area: FMNH, NHMZ
Zimbabwe:
Chalala Sanctuary: NHMZ
Chirisa Safari Area: NHMZ
Gonarezhou National Park: NHMZ
Hwange (Wankie) National Park: NHMZ
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: NHMZ
Matetsi Safari Area: NHMZ
Mushandike Sanctuary: NHMZ
Unknown 4 Wildlife Management Area: NHMZ

Taphozous perforatus E. Geoffroy St.-Hilaire, 1818

Botswana:
Chobe National Park: NHMZ
Democratic Republic of the Congo:
Garamba National Park Not Applicable: RMCA
Ethiopia:
Awash National Park: HNHM
South Africa:
Mapungubwe National Park: NHMZ
Zimbabwe:
Mutandahwe Wildlife Management Area: NHMZ
Rhodes Matopos National Park: NHMZ

Nycteris arge Thomas, 1903

Cameroon:
Douala - Edéa Wildlife Reserve: USNM
Ejagham Forest Reserve: ROM
Côte d'Ivoire:
Banco National Park: MHNG
Classified Forest Name Unknown (CIV) No.66 Classified Forest: USNM
Democratic Republic of the Congo:
Garamba National Park Not Applicable: RMCA
Kahuzi-Biega National Park Not Applicable: BMNH
Massif d'Itombwe Nature Reserve: RMCA
Reserve d'Hippopotame de Mangai Hunting Zone: CAS
Upemba National Park: RBINS
Utunda and Wassa Gorilla Reserve: RMCA
Virunga National Park: INPBC, RBINS
Yangambi forest and floral reserve Strict Nature Reserve: RMCA
Ghana:
Boin Tano Forest Reserve: ZFMK
Southern Scarp Forest Reserve: ROM
Liberia:
West Nimba National Forest: BMNH
Tanzania, United Republic of:
Serengeti National Park Not Applicable: RBINS

Nycteris gambiensis (K. Andersen, 1912)

Benin:
Ouémé Superieur Classified Forest: USNM

Ghana:
Mole National Park: BMNH, AMNH
Senegal:
Foret de Diambour Forest Reserve: BMNH
Parc national du Niokolo-Koba Not Applicable: MHNG, USNM
Togo:
Bassari-Montagne Forest Reserve: RMCA

Nycteris grandis Peters, 1865

Cameroon:
Douala - Edéa Wildlife Reserve: USNM
Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: SMF
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RMCA
Garamba National Park Not Applicable: RBINS
Lubudi - Samppa Hunting Reserve: BMNH
Okapi Wildlife Reserve Not Applicable: RMCA
Rubi-Tele Hunting Zone: USNM
Virunga National Park: INPBC
Tanzania, United Republic of:
Amani Nature Reserve: AMNH
Zambia:
Chiawa Game Management Area: TM
Lupande Game Management Area: SMF, HZM, BMNH, NHMZ
South Luangwa National Park: HZM
Zimbabwe:
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: NHMZ
Manyuseni Wildlife Management Area: USNM
Ngorima B Wildlife Management Area: NHMZ

Nycteris hispida (Schreber, 1774)

Botswana:
NG/21 Wildlife Management Area: USNM
Burkina Faso:
Arly Faunal Reserve: RMCA, USNM
Kabore-Tambi National Park: USNM
Cameroon:
Babules Forest Reserve: ZFMK
Dja Faunal Reserve Not Applicable: ROM
Douala - Edéa Wildlife Reserve: USNM
Central African Republic:
Manovo-Gounda St. Floris National Park Not Applicable: CM
Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: RMCA
Democratic Republic of the Congo:
Bombo-Lumene Hunting Reserve: RMCA
Gangala-na Bodio Hunting Reserve: RMCA, AMNH
Garamba National Park Not Applicable: RBINS, RMCA
Mondo Missa Hunting Zone: RBINS, RMCA
Parc national des Virunga Not Applicable: RMCA, RBINS
Sankuru Natural Reserve: RMCA
Upemba National Park: RBINS
Virunga National Park: INPBC
Yangambi forest and floral reserve Strict Nature Reserve: RBINS
Equatorial Guinea:
Pico de Basilé National Park: BMNH
Ethiopia:
Arba-Minch National Forest Priority Area: SMF
Awash National Park: BMNH, USNM
Awash West Controlled Hunting Area: ROM, BMNH
Jikao Controlled Hunting Area: BMNH, SMF, ZFMK, CM
Ghana:
Mole National Park: BMNH
Kenya:
Central Island National Park: BMNH
Marsabit National Reserve: USNM
Meru National Park: SMF
Shimba Hills National Reserve: RMNH
Tsavo East National Park: SMF, USNM
Namibia:
Bwabwata Game Park: KM, TM

Nigeria:
Kwoiba Forest Reserve: USNM
Numan Forest Reserve: BMNH
Senegal:
Parc national du Niokolo-Koba Not Applicable: BMNH, RMCA
South Africa:
Greater St Lucia Wetland Park Not Applicable: DNSM
Hluhluwe-umfolozi Provincial Nature Reserve: KM
Sudan:
Shambe National Park: ROM
Tanzania, United Republic of:
Mikumi National Park: BMNH
Rufiji-Mafia-Kilwa Marine Not Applicable: KU
Serengeti National Park Not Applicable: RBINS
Uwanda Game Reserve: RBINS
Togo:
Atakpamé Forest Reserve: RMCA
Kéran National Park: RMCA
Uganda:
Entebbe Wildlife Sanctuary: BMNH
Kazinga Wildlife Sanctuary: ROM, CAS
Murchison Falls National Park: ROM
Toro-Semuliki or Toro-Semliki Wildlife Reserve: BMNH
Zambia:
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: NHMZ
Lumimba Game Management Area: LACM
Nsumbu National Park: HNHM
West Zambezi Game Management Area: NMZL
Zimbabwe:
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: NHMZ, HZM

Nycteris intermedia Aellen, 1959

Cameroon:
Douala - Edéa Wildlife Reserve: USNM
Democratic Republic of the Congo:
Kahuzi-Biega National Park Not Applicable: BMNH
Virunga National Park: INPBC

Nycteris macrotis Dobson, 1876

Angola:
Kisama (Quiçãma) National Park: USNM
Benin:
Ouémé Superieur Classified Forest: USNM
Pendjari Hunting Zone: USNM
Botswana:
Chobe National Park: NHMZ
Okavango Delta System Not Applicable: NHMZ
Burkina Faso:
Kabore-Tambi National Park: AMNH, USNM
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH
Garamba National Park Not Applicable: RBINS, RMCA, AMNH
Mondo Missa Hunting Zone: RBINS
Upemba National Park: RBINS, HZM
Ethiopia:
Dengego-Melka Jedbu National Forest Priority Area: ZMB
Jikao Controlled Hunting Area: ZFMK, BMNH
Ghana:
Mole National Park: BMNH
Kenya:
Ngong Hills Forest Reserve: USNM
Shimba Hills National Reserve: RMNH
Tsavo East National Park: USNM
Liberia:
West Nimba National Forest: BMNH
Malawi:
Kasungu National Park: NHMZ
Liwonde National Park: TM
Niger:
Tamou Faunal Reserve: USNM
Senegal:
Delta du Saloum Not Applicable: RBINS
Parc national du Niokolo-Koba Not Applicable: NMW

Tanzania, United Republic of:
Selous Game Reserve Not Applicable: BMNH
Serengeti National Park Not Applicable: BMNH
Uliankhulu Forest Reserve: BMNH
Togo:
Kéran National Park: RMCA
Uganda:
Entebbe Wildlife Sanctuary: BMNH
Zambia:
Kafue H/waters Forest Reserve: RMCA
South Luangwa National Park: BMNH
Zimbabwe:
Kariba Recreation Park: NHMZ
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: NHMZ
Matetsi Safari Area: NHMZ
Matusadona National Park: NHMZ
Sidinda Wildlife Management Area: NHMZ

Nycteris madagascariensis G. Grandidier, 1937

Madagascar:
Ankarana Special Reserve: MCZ

Nycteris major (K. Andersen, 1912)

Cameroon:
Dja Wildlife Reserve: BMNH
Zambia:
Kaputa Game Management Area: RBINS

Nycteris nana (K. Andersen, 1912)

Cameroon:
Ejagham Forest Reserve: ROM
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RBINS, RMCA
Garamba National Park Not Applicable: RBINS, RMCA
Mondo Missa Hunting Zone: RBINS
Virunga National Park: RBINS

Nycteris parisii (de Beaux, 1924)

Ethiopia:
Chelbi Wildlife Reserve: BMNH
Murle Controlled Hunting Area: BMNH

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818

Botswana:
Chobe National Park: NHMZ, TM, AMNH
Gemsbok National Park: TM
NG/19 Wildlife Management Area: NHMZ
NG/21 Wildlife Management Area: USNM
NG/4 Wildlife Management Area: NHMZ, SMF, USNM
Okavango Delta System Not Applicable: AMNH, KU, MVZ, USNM, SMNS, BMNH, NHMZ, ROM
Democratic Republic of the Congo:
Garamba National Park Not Applicable: RBINS
Lubudi - Samppa Hunting Reserve: RMCA
Upemba National Park: RBINS
Virunga National Park: INPBC
Egypt:
Qarun Natural Monument: BMNH
St Catherine Natural Monument: BMNH
Ethiopia:
Awash National Park: BMNH
Dengego-Melka Jedbu National Forest Priority Area: OSU
Nechisar National Park: BMNH
Kenya:
Masai Mara National Reserve: HNHM
Mount Kenya National Park/Natural Forest Not Applicable: BMNH
Ngong Hills Forest Reserve: USNM
Shimba Hills National Reserve: BMNH
Tsavo East National Park: USNM, BMNH

Mozambique:
Coutada Oficial 4 Hunting Reserve: NHMZ, USNM
Coutada Oficial 5 Hunting Reserve: NHMZ
Limpopo National Park: CZL
Zinave National Park: AMNH

Namibia:
Etosha National Park: TM
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable: SMW
Namib Naukluft National Park: ZFMK, USNM, SMW, TM
National West Coast Recreation Area Recreation Area: RMCA
Naute Recreational Resort: TM
Sperrgebiet National Park: TM, SMW
Von Bach Recreational Resort: ZMB, ZMH, ZFMK

Niger:
Tamou Faunal Reserve: USNM

South Africa:
Baobab Tree Reserve Conservation Area: TM
D'nyala Nature Reserve: CM
Goegab Nature Reserve: MMK
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: TM, DNSM
Greater St Lucia Wetland Park Not Applicable: DNSM, TM
Groot-letaba Wildreservaat Wildlife Reserve Wildlife Management Area: TM
Hluhluwe-umfolozi Provincial Nature Reserve: DNSM, TM, ZFMK
Ithala Provincial Nature Reserve: TM
Kgalagadi Transfrontier Park National Park: MMK
Klaserie Private Nature Reserve: TM
Kruger National Park: TM, NHMZ, AMNH
Loskop Dam Provincial Nature Reserve: TM
Madikwe Nature Reserve: TM
Magaliesberg Nature Area Nature Reserve: TM
Manyeleti Game Reserve Game Farm: TM
Mapungubwe National Park: TM
Mkambati Marine Protected Area: KM
Motlatse Canyon Nature Reserve: TM
Ndumo Provincial Nature Reserve: TM
Nylsvley Nature Reserve: TM
Oviston Nature Reserve: MMK
Percy Fyfe Nature Reserve: TM
Sabie Sand Provincial Nature Reserve: TM
Tankwa-Karoo National Park: MMK
Umlalazi Provincial Nature Reserve: DNSM
Vernon Crookes Provincial Nature Reserve: DNSM, TM
Vrolijkheid Provincial Nature Reserve: KM
Weenen Provincial Nature Reserve: DNSM
West Coast National Park: TM
Wolkberg (serala) Wilderness Area Conservation Area: TM

Swaziland:
Hlane Game Sanctuary: TM
Mlawula Nature Reserve: TM, DNSM

Tanzania, United Republic of:
Arusha National Park: BMNH
Mafia Island Marine Park: BMNH
Mikumi National Park: RMCA
Ngorongoro Conservation Area Not Applicable: RBINS
Pugu Forest Reserve: ZMUC
Rondo Forest Reserve: RMCA
Rufiji-Mafia-Kilwa Marine Not Applicable: KU
Selous Game Reserve Not Applicable: SMF, BMNH
Serengeti National Park Not Applicable: BMNH, RBINS

Uganda:
Amudat Community Wildlife Management Area: BMNH
Mgahinga Gorilla National Park: RMCA
North Karamoja Controlled Hunting Area: BMNH

Zambia:
Forest Reserve Name Unknown (ZMB) No.3 Forest Reserve: KM
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: NHMZ, KM
Kafue National Park: NHMZ
Kafue H/waters Forest Reserve: RMCA
Lumimba Game Management Area: BMNH
Lupande Game Management Area: SMF, NHMZ, BMNH
Mosi-Oa-Tunya National Park: NHMZ
Munyamadzi Game Management Area: NHMZ
Musalangu Game Management Area: BMNH, NHMZ
South Luangwa National Park: NHMZ
West Zambezi Game Management Area: KM, BMNH

Zimbabwe:
Chalala Sanctuary: NHMZ
Chete Safari Area: NHMZ
Chimanimani National Park: TM
Chirisa Safari Area: NHMZ, TM
Dite 2 Wildlife Management Area: TM
Gonarezhou National Park: NHMZ
Gwayi State Forest: NHMZ
Hwange (Wankie) National Park: NHMZ, SMNS
Kachecheti Wildlife Management Area: NHMZ
Kariba Recreation Park: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: AMNH, NHMZ
Matetsi Safari Area: NHMZ
Mola A Sanctuary: NHMZ
Mushandike Sanctuary: NHMZ
Nemananga Wildlife Management Area: NHMZ
Ngorima B Wildlife Management Area: NHMZ
Ngungunyana State Forest: USNM
Rhodes Matopos National Park: NHMZ
Rhodes Nyanga National Park: TM
Robert McIlwaine Recreation Park: NHMZ
Sidinda Wildlife Management Area: NHMZ
Unknown 5 Wildlife Management Area: BMNH

Nycteris woodi K. Andersen, 1914

South Africa:
Kruger National Park: TM
Mapungubwe National Park: TM
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: NHMZ
Mpomwa Forest Reserve: BMNH
Zimbabwe:
Chirisa Safari Area: NHMZ
Deka Safari Area: NHMZ
Kariba Recreation Park: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ

MOLOSSIDAE Gervais, 1856

Namibia:
Bwabwata Game Park: TM
South Africa:
Ndumo Provincial Nature Reserve: TM
Tembe Provincial Nature Reserve: TM
Zimbabwe:
Chirisa Safari Area: TM

Chaerephon aloysiisabaudiae (Festa, 1907)

Uganda:
Entebbe Wildlife Sanctuary: ZMB

Chaerephon ansorgei (Thomas, 1913)

Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH, RMCA
Garamba National Park Not Applicable: RMCA
Kundelungu National Park: RMCA
South Africa:
Greater St Lucia Wetland Park Not Applicable: TM
Kruger National Park: TM, AMNH
Zimbabwe:
Chirisa Safari Area: NHMZ
Gonarezhou National Park: NHMZ
Kanyurira Sanctuary: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Matetsi Safari Area: NHMZ
Nemananga Wildlife Management Area: NHMZ
Nenyunka Wildlife Management Area: NHMZ
Sengwe Wildlife Management Area: NHMZ

Chaerephon bivittatus (Heuglin, 1861)

Democratic Republic of the Congo:
Parc national des Virunga Not Applicable: RMCA
Zimbabwe:
Hwange (Wankie) National Park: NHMZ
Nemananga Wildlife Management Area: NHMZ
Nenyunka Wildlife Management Area: NHMZ
Sengwe Wildlife Management Area: NHMZ

Chaerephon chapini J.A. Allen, 1917

Botswana:
NG/16 Wildlife Management Area: NHMZ
NG/21 Wildlife Management Area: USNM
Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: RBINS
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH
Namibia:
Bwabwata Game Park: SMW
Zambia:
Lumimba Game Management Area: LACM
Zimbabwe:
Chirisa Safari Area: TM
Nenyunka Wildlife Management Area: NHMZ

Chaerephon leucogaster (A. Grandidier, 1869)

Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: AMNH
Madagascar:
Lokobe Strict Nature Reserve: FMNH

Chaerephon major (Trouessart, 1897)

Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RMCA, AMNH
Garamba National Park Not Applicable: RMCA
Togo:
Atakpamé Forest Reserve: RMCA
Zambia:
Kaputa Game Management Area: BMNH

Chaerephon nigeriae Thomas, 1913

Botswana:
NG/16 Wildlife Management Area: NHMZ
NG/21 Wildlife Management Area: NHMZ, USNM
Okavango Delta System Not Applicable: NHMZ
Namibia:
Bwabwata Game Park: SMW
Khaudum Game Park: LACM
South Africa:
Ndumo Provincial Nature Reserve: NM
Zambia:
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: NMZL
Zimbabwe:
Chirisa Safari Area: NHMZ, TM
Kanyati A Wildlife Management Area: NHMZ
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: TM
Nenyunka Wildlife Management Area: NHMZ
Nyamakate Village Wildlife Management Area: TM
Robert McIlwaine Recreation Park: NHMZ

Chaerephon pumilus (Cretzschmar, 1826)

Botswana:
Chobe National Park: NHMZ, USNM, TM, AMNH
NG/14 Wildlife Management Area: NHMZ
NG/21 Wildlife Management Area: USNM, NHMZ
NG/30 Wildlife Management Area: NHMZ
Okavango Delta System Not Applicable: AMNH, USNM
Burkina Faso:
Kabore-Tambi National Park: AMNH

Burundi:
Rusizi National Park: RMCA
Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: RMCA
Democratic Republic of the Congo:
Bombo-Lumene Hunting Reserve: RMCA
Gangala-na Bodio Hunting Reserve: RMCA
Okapi Wildlife Reserve Not Applicable: RMCA
Parc national des Virunga Not Applicable: RMCA
Upemba National Park: RBINS
Mozambique:
Bazaruto National Park: TM
Coutada Oficial 4 Hunting Reserve: NHMZ
Gorongosa National Park: NHMZ
Zinave National Park: NHMZ, AMNH
Rwanda:
Akagera National Park: RMCA
South Africa:
Baobab Tree Reserve Conservation Area: TM
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: DNSM, TM
Greater St Lucia Wetland Park Not Applicable: TM, DNSM
Groot-letaba Wildreservaat Wildlife Reserve Wildlife Management Area: TM
Hans Merensky Nature Reserve: TM
Harold Johnson Provincial Nature Reserve: DNSM
Hluhluwe-umfolozi Provincial Nature Reserve: DNSM, KM, TM
Kruger National Park: AMNH, KM, TM, NHMZ
Manyeleti Game Reserve Game Farm: TM
Ndumo Provincial Nature Reserve: TM
Oribi Gorge Provincial Nature Reserve: TM
Phongola Nature Reserve Provincial Nature Reserve: TM
Sabie Sand Private Natural Reserve: TM
Selati Game Reserve Game Farm: TM
Sudwala Reenwoud National Heritage Site: TM
Tembe Provincial Nature Reserve: DNSM, TM
Timbavati Game Reserve Game Farm: TM
Swaziland:
Hlane Game Sanctuary: TM
Mlawula Nature Reserve: DNSM, TM
Tanzania, United Republic of:
Rondo Forest Reserve: RMCA
Togo:
Atakpamé Forest Reserve: RMCA
Uganda:
Entebbe Wildlife Sanctuary: AMNH
Queen Elizabeth National Park Not Applicable: AMNH
Zambia:
Kafue National Park: AMNH
Kafue Flats Game Management Area: NMZL
Kafue H/waters Forest Reserve: RMCA
Lower Zambezi National Park: NHMZ
West Zambezi Game Management Area: HNHM
Zimbabwe:
Dite 2 Wildlife Management Area: TM
Gonarezhou National Park: NHMZ
Kanyurira Sanctuary: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Malipati Safari Area: NHMZ
Matetsi Safari Area: NHMZ
Save Conservancy Sanctuary: NHMZ
Sengwe Wildlife Management Area: NHMZ

Mops (Mops) condylurus (A. Smith, 1833)

Botswana:
Chobe National Park: USNM, NHMZ
CT/3 Wildlife Management Area: USNM
NG/5 Wildlife Management Area: USNM
Okavango Delta System Not Applicable: USNM
Democratic Republic of the Congo:
Garamba National Park Not Applicable: RMCA
Parc national des Virunga Not Applicable: RMCA
Liberia:
Cape Mount Nature Conservation Unit: AMNH
Malawi:
Matandwe Forest Reserve: ROM

Mozambique:
Bazaruto National Park: DNSM
Coutada Oficial 4 Hunting Reserve: NHMZ
Coutada Oficial No. 14 Hunting Reserve: NHMZ
Gorongosa National Park: NHMZ
Zinave National Park: AMNH
Nigeria:
Yankari Forest Reserve: HNHM
South Africa:
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: TM
Greater St Lucia Wetland Park Not Applicable: TM, DNSM
Hluhluwe-umfolozi Provincial Nature Reserve: TM, KM
Kruger National Park: AMNH, TM
Ndumo Provincial Nature Reserve: TM
Swaziland:
Mlawula Nature Reserve: TM
Togo:
Atakpamé Forest Reserve: RMCA
Uganda:
Entebbe Wildlife Sanctuary: ZMB, AMNH
Zambia:
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: UZMZ, NHMZ
Kafue H/waters Forest Reserve: RMCA
Lumimba Game Management Area: LACM
Zimbabwe:
Chisunga Wildlife Management Area: NHMZ
Gonarezhou National Park: NHMZ
Kanyati A Wildlife Management Area: NHMZ
Matusadona National Park: NHMZ
Save Conservancy Sanctuary: NHMZ
Sengwe Wildlife Management Area: NHMZ

Mops (Mops) demonstrator (Thomas, 1903)

Burkina Faso:
Kabore-Tambi National Park: AMNH
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH, RMCA
Garamba National Park Not Applicable: RMCA

Mops (Mops) midas (Sundevall, 1843)

Botswana:
Chobe National Park: NHMZ
NG/21 Wildlife Management Area: USNM
NG/30 Wildlife Management Area: NHMZ
Okavango Delta System Not Applicable: USNM, SMF, NHMZ
Democratic Republic of the Congo:
Garamba National Park Not Applicable: RMCA
Namibia:
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable: SMW
South Africa:
Klaserie Private Nature Reserve: TM
Kruger National Park: NHMZ, TM
Zambia:
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: NMZL
South Luangwa National Park: LACM
Zimbabwe:
Dite 2 Wildlife Management Area: TM
Gonarezhou National Park: HZM
Maramani Wildlife Management Area: NHMZ
Sengwe Wildlife Management Area: NHMZ

Mops (Mops) midas midas (Sundevall, 1843)

Botswana:
Okavango Delta System Not Applicable: AMNH
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH

Mops (Mops) niveiventer Cabrera and Ruxton, 1926

Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: NHMZ, KM, FMNH
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: NMZL

Mops (Mops) trevori J.A. Allen, 1917

Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH
Uganda:
Karuma Wildlife Reserve: RMCA

Mops (Xiphonycteris) brachypterus (Peters, 1852)

Burkina Faso:
Sahel Partial Faunal Reserve: RMCA

Mops (Xiphonycteris) nanulus J.A. Allen, 1917

Democratic Republic of the Congo:
Parc national des Virunga Not Applicable: RMCA

Mops (Xiphonycteris) spurrelli (Dollman, 1911)

Equatorial Guinea:
Pico de Basilé National Park: AMNH

Mops (Xiphonycteris) thersites (Thomas, 1903)

Democratic Republic of the Congo:
Garamba National Park Not Applicable: RMCA

Myopterus whitleyi (Scharff, 1900)

Central African Republic:
Mbaéré-Bodingué National Park: Rennes

Otomops madagascariensis Dorst, 1953

Madagascar:
Tsingy de Namoroka National Park: MNHN

Otomops martiensseni (Matschie, 1897)

Democratic Republic of the Congo:
Mondo Missa Hunting Zone: RBINS
Upemba National Park: RBINS
Malawi:
Mangochi Forest Reserve: NMZL
Tanzania, United Republic of:
Magoroto Forest Reserve: ZMB
Zimbabwe:
Chirisa Safari Area: ROM
Kanyati A Wildlife Management Area: NHMZ

Platymops setiger macmillani Thomas, 1906

Ethiopia:
Omo National Park: BMNH

Sauromys petrophilus (Roberts, 1917)

Botswana:
CT/11 Wildlife Management Area: ROM
Namibia:
Ai-Ais Hot Springs Game Park: KM
Namib Naukluft National Park: TM, SMW, NHMZ
Von Bach Recreational Resort: SMF
South Africa:
Augrabies Falls National Park: TM
Baobab Tree Reserve Conservation Area: TM
Blouberg Nature Reserve: TM
Cape Floral Region Protected Areas Not Applicable: TM, KM
Goegab Nature Reserve: KM, TM
Kruger National Park: TM
Magaliesberg Nature Area Nature Reserve: TM
Mapungubwe National Park: TM

Pilansberg Game Reserve Provincial Nature Reserve: TM
Vredefort Dome - Core Area Not Applicable: TM

Zimbabwe:
Halisupi Wildlife Management Area: NHMZ
Rhodes Matopos National Park: TM, DNSM, NHMZ
Save Conservancy Sanctuary: NHMZ

Sauromys petrophilus erongensis (Roberts, 1946)

Namibia:
Namib Naukluft National Park: BMNH

Sauromys petrophilus umbratus (Shortridge & Carter, 1938)

South Africa:
Cape Floral Region Protected Areas Not Applicable: KM

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)

Botswana:
Gemsbok National Park: TM

Kenya:
Tsavo East National Park: ROM

Namibia:
Ai-Ais Hot Springs Game Park: KM
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable: SMW

South Africa:
Augrabies Falls National Park: TM
Cape Floral Region Protected Areas Not Applicable: TM
De Onderstepoort Private Nature Reserve: TM
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: USNM
Hans Merensky Nature Reserve: TM
Ithala Provincial Nature Reserve: TM, DNSM
Kgalagadi Transfrontier Park National Park: TM
Kruger National Park: NHMZ, DNSM, TM
Madikwe Nature Reserve: TM
Mooibron National Heritage Site: DNSM
Sabie Sand Private Natural Reserve: TM
Suikerbosrand Provincial Nature Reserve Provincial Nature Reserve: TM
Tsitsikamma National Park: TM
Unknown 57 DWAF (Dept. Water & Forestry) Forest Area: TM
Van Riebeeck Park Municipal Nature Reserve Nature Reserve: TM
Vredefort Dome - Core Area Not Applicable: NMB, TM

Swaziland:
Malolotja Nature Reserve: TM

Uganda:
South Karamoja Controlled Hunting Area: ROM

Zimbabwe:
Chete Safari Area: NHMZ
Chirisa Safari Area: NHMZ, TM
Deka Safari Area: NHMZ
Kabuba Wildlife Management Area: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Malipati Safari Area: NHMZ
Nemananga Wildlife Management Area: NHMZ
Robert McIlwaine Recreation Park: NHMZ
Sengwe Wildlife Management Area: NHMZ

Tadarida fulminans (Thomas, 1903)

Malawi:
Mulanje Forest Reserve: HZM

South Africa:
Kruger National Park: TM

Zimbabwe:
Chirisa Safari Area: ROM, NHMZ

Tadarida ventralis (Heuglin, 1861)

Tanzania, United Republic of:
Lake Manyara National Park: HZM

Zambia:
Mitenge Forest Reserve: NMZL

Zimbabwe:
Hwange (Wankie) National Park: NHMZ

VESPERTILIONOIDEA Gray, 1821

Democratic Republic of the Congo:
Lubudi - Samppa Hunting Reserve: RMCA

Cistugo lesueuri Roberts, 1919

Lesotho:
Lesotho National Park: KM, NMB
South Africa:
Cape Floral Region Protected Areas Not Applicable: TM, SAMC, MMK
Gamkaberg Provincial Nature Reserve: SAMC
Karoo National Park: TM

Cistugo seabrae Thomas, 1912

Angola:
Iona National Park: BMNH
Namibia:
Namib Naukluft National Park: SMW
Skeleton Coast Game Park: TM, SMW
South Africa:
Augrabies Falls National Park: MMK

Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009

Madagascar:
Ankarana Special Reserve: FMNH
Tsingy de Bemaraha National Park: FMNH
Tsingy de Namoroka National Park: FMNH

Miniopterus fraterculus Thomas and Schwann, 1906

Malawi:
Zomba# Forest Reserve: KM
South Africa:
Driekop Caves National Heritage Site: TM
Isaac Stegmann Private Nature Reserve: KM
Ithala Provincial Nature Reserve: TM
John Nash Nature Reserve Natural Heritage Site National Heritage Site: USNM
Karkloof Provincial Nature Reserve: TM
Vernon Crookes Provincial Nature Reserve: TM
Swaziland:
Malolotja Nature Reserve: TM

Miniopterus griveaudi Harrison, 1959

Madagascar:
Ankarana Special Reserve: FMNH
Daraina English designation not known: FMNH
Tsingy de Bemaraha National Park: FMNH
Tsingy de Namoroka National Park: FMNH

Miniopterus inflatus Thomas, 1903

Democratic Republic of the Congo:
Lubudi - Samppa Hunting Reserve: RMCA

Miniopterus inflatus rufus Sanborn, 1936

Democratic Republic of the Congo:
Upemba National Park: FMNH, MHNG

Miniopterus majori Thomas, 1906

Madagascar:
Fandrina Vondrozo English designation not known: FMNH, BMNH

Miniopterus manavi Thomas, 1906

Madagascar:
Fandrina Vondrozo English designation not known: BMNH, NMW, FMNH

Miniopterus natalensis (A. Smith, 1833)

Botswana:
Central Kalahari Game Reserve: TM
Democratic Republic of the Congo:
Lubudi - Samppa Hunting Reserve: RMCA
Kenya:
Mount Kenya National Park/Natural Forest Not Applicable: USNM
Tsavo West National Park: ROM
Malawi:
Zomba# Forest Reserve: KM
Mozambique:
Coutada Oficial 4 Hunting Reserve: NHMZ
Namibia:
Namib Naukluft National Park: USNM, TM, SMW
South Africa:
Cape Floral Region Protected Areas Not Applicable: TM, SAMC
Cheetah Park Private Nature Reserve: TM
Driekop Caves National Heritage Site: TM
Dumaneni Reserve English designation not known: USNM
Fernkloof Nature Reserve: TM
Gamkaberg Provincial Nature Reserve: SAMC
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: DNSM
Greater St Lucia Wetland Park Not Applicable: TM
Groot-letaba Wildreservaat Wildlife Reserve Wildlife Management Area: TM
Hluhluwe-umfolozi Provincial Nature Reserve: TM
Isaac Stegmann Private Nature Reserve: TM
Ithala Provincial Nature Reserve: DNSM
John Nash Nature Reserve Natural Heritage Site National Heritage Site: USNM, TM
Kruger National Park: AMNH, NHMZ, TM
Langeberg -wes Mountain Catchment Area: KM, SAMC
Legalameetse Nature Reserve: TM
Loskop Dam Provincial Nature Reserve: TM
Magaliesberg Nature Area Nature Reserve: TM
Motlatse Canyon Nature Reserve: TM
Mt Anderson Conservation Area: TM
Songimvelo Provincial Nature Reserve: DNSM
Tsitsikamma National Park: TM
Vernon Crookes Provincial Nature Reserve: TM
Wolkberg (serala) Wilderness Area Conservation Area: TM
Swaziland:
Mlawula Nature Reserve: TM, DNSM
Tanzania, United Republic of:
Livingstone Forest Reserve: RMCA
Uganda:
Mount Elgon Not Applicable: AMNH, HNHM
Zambia:
Chamato Forest Reserve: RMCA, MHNG
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: NHMZ
Kafue Flats Game Management Area: UZMZ
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: NHMZ
Mitenge Forest Reserve: NMZL
Mosi-Oa-Tunya National Park: NHMZ
Sandwe Game Management Area: NHMZ
Zimbabwe:
Chirisa Safari Area: NHMZ
Doma Safari Area: NHMZ
Hwange (Wankie) National Park: NHMZ
Kabuba Wildlife Management Area: NHMZ
Kachecheti Wildlife Management Area: NHMZ
Kanyati A Wildlife Management Area: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Mutandahwe Wildlife Management Area: NHMZ
Ngorima B Wildlife Management Area: NHMZ
Rhodes Matopos National Park: TM
Robert McIlwaine Recreation Park: NHMZ

Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008

Madagascar:
Ankodida English designation not known: USNM
Makira English designation not known: MNHN
Montagne d'Ambre National Park: USNM
Rainforests of the Atsinanana Not Applicable: FMNH

Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007

Madagascar:
Ankodida English designation not known: USNM

VESPERTILIONIDAE Gray, 1821

South Africa:
Cape Floral Region Protected Areas Not Applicable: SAMC
Gamkaberg Provincial Nature Reserve: SAMC
Kruger National Park: TM
Zambia:
Kafue National Park: NMZL

Kerivoula africana Dobson, 1878

Tanzania, United Republic of:
Tong'omba Forest Reserve: SMF

Kerivoula argentata Tomes, 1861

Mozambique:
Coutada Oficial 4 Hunting Reserve: NHMZ
Maputo Special Reserve: TM
South Africa:
Aliwal Shoal Marine Protected Area: AMNH
Hluhluwe-umfolozi Provincial Nature Reserve: TM
Kruger National Park: TM
Tanzania, United Republic of:
Bamba Ridge Forest Reserve: SMF
Kambai Forest Reserve: SMF
Litipo Forest Reserve: SMF
Shume Magamba Forest Reserve: ZMB
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: KM
Nkunyi Forest Reserve: BMNH
Zimbabwe:
Chalala Sanctuary: NHMZ
Chapoto Wildlife Management Area: NHMZ

Kerivoula lanosa (A. Smith, 1847)

Botswana:
Okavango Delta System Not Applicable: NHMZ, AMNH, USNM
Namibia:
Bwabwata Game Park: SMW
South Africa:
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: NM
Greater St Lucia Wetland Park Not Applicable: TM
Kruger National Park: TM
Motlatse Canyon Nature Reserve: TM
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: NHMZ

Myotis bocagii (Peters, 1870)

Democratic Republic of the Congo:
Kundelungu National Park: RMCA
Upemba National Park: RBINS
Utunda and Wassa Gorilla Reserve: RMCA
Kenya:
Kakamega Forest Reserve: NMK, RMCA
Karura Forest Reserve: SMF
Ol Donyo Sabuk National Park: NMK
South Africa:
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: DNSM
Krantzkloof Provincial Nature Reserve: DNSM
Kruger National Park: TM, SNP, DNSM
No Name 27 Conservation Area: TM
Swaziland:
Mlawula Nature Reserve: DNSM
Tanzania, United Republic of:
Kwamgumi Forest Reserve: SMF
Litipo Forest Reserve: SMF

Togo:
Atilakoutse Forest Reserve: RMCA
Zimbabwe:
Ngorima B Wildlife Management Area: HZM
Robert McIlwaine Recreation Park: NHMZ

Myotis bocagii bocagii (Peters, 1870)

South Africa:
Kruger National Park: AMNH

Myotis bocagii cupreolus Thomas, 1904

Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH

Myotis goudoti (A. Smith, 1834)

Madagascar:
Ambohijanahary Special Reserve: FMNH
Ambohitantely Special Reserve: FMNH
Analamerana Special Reserve: FMNH
Anjozorobe English designation not known: UADBA
Ankarana Special Reserve: FMNH
Daraina English designation not known: FMNH
Fandrina Vondrozo English designation not known: FMNH
Isalo National Park: FMNH
Kirindy Mitea National Park: FMNH
Manongarivo Special Reserve: FMNH
Midongy du sud National Park: FMNH
Mikea English designation not known: FMNH
Montagne d'Ambre National Park: UADBA, FMNH
Rainforests of the Atsinanana Not Applicable: FMNH
Tsingy de Bemaraha National Park: FMNH
Tsingy de Namoroka National Park: FMNH
Zahamena Ankeniheny English designation not known: FMNH

Myotis tricolor (Temminck, 1832)

Kenya:
Lake Naivasha Not Applicable: ROM
Mount Elgon Forest Reserve: ROM
Lesotho:
Lesotho National Park: NMB
South Africa:
Cape Floral Region Protected Areas Not Applicable: MMK, SAMC, TM
Cheetah Park Private Nature Reserve: TM
Dlinza Nature Reserve Provincial Nature Reserve: DNSM
Driekop Caves National Heritage Site: TM
Isaac Stegmann Private Nature Reserve: TM
Ithala Provincial Nature Reserve: TM, DNSM
John Nash Nature Reserve Natural Heritage Site National Heritage Site: TM, ROM
Kruger National Park: AMNH, TM
Langeberg -wes Mountain Catchment Area: SAMC, KM
Motlatse Canyon Nature Reserve: TM
No Name 27 Conservation Area: TM
Oribi Gorge Provincial Nature Reserve: TM
Vernon Crookes Provincial Nature Reserve: TM
Swaziland:
Mlawula Nature Reserve: TM
Zimbabwe:
Chimanimani National Park: TM
Chiredzi River Conservancy Sanctuary: NHMZ
Ngorima B Wildlife Management Area: NHMZ
Ngungunyana State Forest: TM

Myotis welwitschii (Gray, 1866)

Democratic Republic of the Congo:
Upemba National Park: RBINS
Ethiopia:
Belete Gera National Forest Priority Area: MHNG
South Africa:
Kruger National Park: SNP, TM

Tanzania, United Republic of:
Kilombero Nature Reserve: FMNH
Livingstone Forest Reserve: RMCA, NMZL
Uganda:
Rwenzori Mountains National Park Not Applicable: FMNH
Zimbabwe:
Ngungunyana State Forest: TM

Scotophilus Leach, 1821

Botswana:
NG/43 Wildlife Management Area: TM
Namibia:
Bwabwata Game Park: SMW
Khaudum Game Park: SMW
South Africa:
Greater St Lucia Wetland Park Not Applicable: TM
Kruger National Park: TM
Zimbabwe:
Chimanimani National Park: NHMZ
Chirisa Safari Area: TM

Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803)

Réunion:
Bébour Managed State Biological Reserve: RMNH

Scotophilus dinganii (A. Smith, 1833)

Botswana:
CT/11 Wildlife Management Area: ZFMK
CT/3 Wildlife Management Area: USNM
NG/22 Wildlife Management Area: NHMZ
NG/27A Wildlife Management Area: NHMZ
Okavango Delta System Not Applicable: USNM, NHMZ
Burkina Faso:
Kabore-Tambi National Park: AMNH
Cameroon:
Mbam et Djerem National Park: RMCA
Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: SMF, RMCA, ZMA
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RBINS
Parc national des Virunga Not Applicable: RBINS
Virunga National Park: INPBC
Ethiopia:
Arba-Minch National Forest Priority Area: SMF
Dengego-Melka Jedbu National Forest Priority Area: ZMB
Erer-Gota Controlled Hunting Area: RMCA
Jikao Controlled Hunting Area: ZFMK
Kenya:
Samburu National Reserve: BMNH
Shimba Hills National Reserve: ROM, RMNH, ZMA
Mozambique:
Coutada Oficial 4 Hunting Reserve: NHMZ
Maputo Special Reserve: TM
Niassa Game Reserve: DNSM
Zinave National Park: NHMZ
Namibia:
Bwabwata Game Park: SMW
Von Bach Recreational Resort: SMF, ZFMK
Sierra Leone:
Singamba Forest Reserve: RMCA
South Africa:
Baobab Tree Reserve Conservation Area: TM
De Onderstepoort Private Nature Reserve: TM
Dlinza Nature Reserve Provincial Nature Reserve: DNSM
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: TM, DNSM
Greater St Lucia Wetland Park Not Applicable: DNSM, TM
Hans Merensky Nature Reserve: TM
Hans Strijdom Nature Reserve: TM
Hluhluwe-umfolozi Provincial Nature Reserve: TM
Ithala Provincial Nature Reserve: DNSM, TM
Kenneth Stainbank Provincial Nature Reserve: DNSM
Kgalagadi Transfrontier Park National Park: MMK

Krantzkloof Provincial Nature Reserve: DNSM
Kruger National Park: AMNH, TM, NHMZ
Loskop Dam Provincial Nature Reserve: TM
Madikwe Nature Reserve: TM
Magaliesberg Nature Area Nature Reserve: TM
Manyeleti Game Reserve Game Farm: TM
Mkambati Marine Protected Area: KM
No Name 14 Conservation Area: TM
No Name 18 Conservation Area: TM
No Name 2 Conservation Area: TM
Oribi Gorge Provincial Nature Reserve: TM
Percy Fyfe Nature Reserve: TM
Rockdale Game Ranch Game Farm: KM
Sabie Sand Private Natural Reserve: TM
Tembe Provincial Nature Reserve: DNSM
Vernon Crookes Provincial Nature Reserve: TM
Zoutpan Private Nature Reserve: TM

Swaziland:
Malolotja Nature Reserve: NMB
Mlawula Nature Reserve: TM, DNSM

Tanzania, United Republic of:
Kilimanjaro National Park Not Applicable: AMNH
Serengeti National Park Not Applicable: ZMB

Togo:
Atakpamé Forest Reserve: RMCA

Uganda:
Kaiso Tonya Community Wildlife Management Area: BMNH

Zambia:
Forest Reserve Name Unknown (ZMB) No.3 Forest Reserve: RBINS
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: KM, AMNH, NHMZ
Kafue National Park: AMNH, NMZL
Kafue Flats Game Management Area: UZMZ
Mosi-Oa-Tunya National Park: NHMZ

Zimbabwe:
Chesa State Forest: NHMZ
Chete Safari Area: NHMZ
Chimanimani National Park: TM
Chirisa Safari Area: NHMZ
Gwayi State Forest: NHMZ
Hwange (Wankie) National Park: NHMZ
Karamba Wildlife Management Area: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Malipati Safari Area: NHMZ
Matetsi Safari Area: NHMZ
Matusadona National Park: NHMZ
Mukwenya Wildlife Management Area: NHMZ
Mushandike Sanctuary: NHMZ
Ngamo State Forest: NHMZ
Ngungunyana State Forest: TM
Rhodes Matopos National Park: TM, NHMZ
Rhodes Nyanga National Park: TM
Robert McIlwaine Recreation Park: NHMZ
Sengwe Wildlife Management Area: NHMZ
Sidinda Wildlife Management Area: NHMZ
Unknown 4 Wildlife Management Area: NHMZ

Scotophilus leucogaster (Cretzschmar, 1826)

Botswana:
NG/19 Wildlife Management Area: NHMZ
NG/20 Wildlife Management Area: USNM
NG/22 Wildlife Management Area: NHMZ
NG/26 Wildlife Management Area: NHMZ
NG/27A Wildlife Management Area: NHMZ
Okavango Delta System Not Applicable: ZMA, USNM, AMNH

Burkina Faso:
Kabore-Tambi National Park: AMNH

Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH

Namibia:
Khaudum Game Park: USNM, LACM

Senegal:
Delta du Saloum Not Applicable: RBINS

South Africa:
Kruger National Park: TM, KM

Zambia:
Kafue National Park: NMZL
Kafue Flats Game Management Area: BMNH
Lupande Game Management Area: NHMZ, BMNH
South Luangwa National Park: NHMZ
Zimbabwe:
Chalala Sanctuary: NHMZ
Chete Safari Area: NHMZ
Chirisa Safari Area: DNSM, NHMZ
Deka Safari Area: NHMZ
Kanyati A Wildlife Management Area: NHMZ
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: TM
Matetsi Safari Area: NHMZ
Matusadona National Park: NHMZ
Nenyunka Wildlife Management Area: NHMZ
Save Conservancy Sanctuary: NHMZ

Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006

Madagascar:
Ankarafantsika National Park: UADBA

Scotophilus nigrita (Schreber, 1774)

Ghana:
Mole National Park: BMNH
Kenya:
Shimba Hills National Reserve: RMNH
South Africa:
Kruger National Park: TM

Scotophilus nucella Robbins, 1983

Ghana:
Muro Forest Reserve: NMP, ZFMK

Scotophilus nux Thomas, 1904

Ghana:
Muro Forest Reserve: ZFMK

Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005

Madagascar:
Tsingy de Bemaraha National Park: UADBA

Scotophilus viridis (Peters, 1852)

Burkina Faso:
Kabore-Tambi National Park: AMNH
Ethiopia:
Jikao Controlled Hunting Area: ZFMK, SMF
Kenya:
Arabuko Sokoke Forest Reserve: AMNH
Shimba Hills National Reserve: ZMA, RMNH
Mozambique:
"Bloco C" Luwiri Hunting Reserve: DNSM
Coutada Oficial 4 Hunting Reserve: NHMZ
Niassa Game Reserve: DNSM
Zinave National Park: NHMZ
Senegal:
Delta du Saloum Not Applicable: RBINS
Parc national du Niokolo-Koba Not Applicable: BMNH
South Africa:
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: DNSM
Greater St Lucia Wetland Park Not Applicable: DNSM, KM, TM
Hans Merensky Nature Reserve: TM
Hluhluwe-umfolozi Provincial Nature Reserve: KM, DNSM
Kruger National Park: AMNH, NHMZ, TM
Ndumo Provincial Nature Reserve: TM
Tembe Provincial Nature Reserve: DNSM, TM
Swaziland:
Mlawula Nature Reserve: TM

Zambia:
Lupande Game Management Area: BMNH
South Luangwa National Park: BMNH
Zimbabwe:
Chete Safari Area: NHMZ
Chirisa Safari Area: TM
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: TM, NHMZ

Vespertilioninae Gray, 1821

South Africa:
Motlatse Canyon Nature Reserve: TM

Eptesicus hottentotus (A. Smith, 1833)

Kenya:
Hell's Gate National Park: USNM, CM
Tsavo West National Park: ROM
Namibia:
Namib Naukluft National Park: NHMZ, SMW, USNM
South Africa:
Buffelskloof Private Natural Reserve: TM
Cape Floral Region Protected Areas Not Applicable: TM, SAMC, CM
Ithala Provincial Nature Reserve: TM
Krantzkloof Provincial Nature Reserve: TM
Kruger National Park: TM, CM
Magaliesberg Nature Area Nature Reserve: USNM
Mapungubwe National Park: TM
Sterkfontein Dam Nature Reserve: NMB
Zimbabwe:
Banti State Forest: NHMZ
Kyle Recreation Park: ROM
Sinansengwe Wildlife Management Area: NHMZ

Glauconycteris argentata (Dobson, 1875)

Cameroon:
Mangroves de Ndongore National Park: ZMB
Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: SMF, RMCA
Democratic Republic of the Congo:
Kahuzi-Biega National Park Not Applicable: RMCA
Sankuru Natural Reserve: RMCA

Glauconycteris machadoi Hayman, 1963

Angola:
Kameia National Park: BMNH

Glauconycteris poensis (Gray, 1842)

Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH
Tanzania, United Republic of:
Kilimanjaro National Park Not Applicable: AMNH

Glauconycteris variegata (Tomes, 1861)

Botswana:
NG/21 Wildlife Management Area: USNM
NG/29 Wildlife Management Area: NHMZ
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RMCA, AMNH
South Africa:
Hluhluwe-umfolozi Provincial Nature Reserve: KM
Kruger National Park: NHMZ, TM, AMNH
Uganda:
Entebbe Wildlife Sanctuary: AMNH, BMNH, ZMB
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: NHMZ
Zimbabwe:
Chirisa Safari Area: NHMZ
Hwange (Wankie) National Park: NHMZ
Robert McIlwaine Recreation Park: NHMZ

Hypsugo anchietae (Seabra, 1900)

Botswana:
NG/21 Wildlife Management Area: NHMZ
Mozambique:
Coutada Oficial No. 14 Hunting Reserve: NHMZ
South Africa:
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: DNSM
Greater St Lucia Wetland Park Not Applicable: DNSM
Harold Johnson Provincial Nature Reserve: DNSM
Kruger National Park: TM
Tembe Provincial Nature Reserve: DNSM
Swaziland:
Mlawula Nature Reserve: TM, DNSM
Zambia:
Kafue National Park: NMZL
Lavushi Manda National Park: HZM
Zimbabwe:
Chirisa Safari Area: NHMZ
Hwange (Wankie) National Park: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Malipati Safari Area: NHMZ
Maramani Wildlife Management Area: NHMZ

Hypsugo cf. eisentrauti Hill, 1968

Rwanda:
Nyungwe National Park: SMF

Hypsugo crassulus (Thomas, 1904)

Democratic Republic of the Congo:
Maniema Forest Reserve: BMNH

Hypsugo eisentrauti (Hill, 1968)

Côte d'Ivoire:
Banco National Park: USNM
Kenya:
Shimba Hills National Reserve: CM, AMNH

Hypsugo musciculus (Thomas, 1913)

Democratic Republic of the Congo:
Reserve d'Hippopotame de Mangai Hunting Zone: MNHN
Sierra Leone:
Outamba-Kilimi National Park: USNM

Hypsugo savii (Bonaparte, 1837)

Benin:
Ouémé Superieur Classified Forest: USNM
Morocco:
Talassemtane Natural Park: USNM

Laephotis angolensis Monard, 1935

Zimbabwe:
Chirisa Safari Area: ROM

Laephotis botswanae Setzer, 1971

Botswana:
NG/21 Wildlife Management Area: USNM
NG/29 Wildlife Management Area: NHMZ
Malawi:
Nkhota-Kota Wildlife Reserve: DCDH
South Viphya Forest Reserve: DCDH
South Africa:
Kruger National Park: TM
Zimbabwe:
Chirisa Safari Area: NHMZ, TM
Hwange (Wankie) National Park: FMNH

Laephotis namibensis Setzer, 1971

Namibia:
Namib Naukluft National Park: USNM
South Africa:
Cape Floral Region Protected Areas Not Applicable: SAMC, TM

Laephotis wintoni Thomas, 1901

Ethiopia:
Belete Gera National Forest Priority Area: ZMMU
Lesotho:
Lesotho National Park: NMB

Mimetillus moloneyi (Thomas, 1891)

Cameroon:
Bambuko Forest Reserve: ROM
Dja Faunal Reserve Not Applicable: ROM

Mimetillus thomasi Hinton, 1920

Mozambique:
Coutada Oficial 4 Hunting Reserve: NHMZ
Zambia:
Lumimba Game Management Area: LACM

Neoromicia Roberts, 1926

Democratic Republic of the Congo:
Garamba National Park Not Applicable: RBINS
Mondo Missa Hunting Zone: RBINS
Zimbabwe:
Rhodes Nyanga National Park: DNSM

Neoromicia brunnea (Thomas, 1880)

Cameroon:
Bambuko Forest Reserve: ROM
Côte d'Ivoire:
Banco National Park: USNM
Sierra Leone:
Outamba-Kilimi National Park: USNM

Neoromicia capensis (A. Smith, 1829)

Botswana:
Central Kalahari Game Reserve: NHMZ
Chobe National Park: FMNH
CT/11 Wildlife Management Area: ZFMK, HZM
CT/3 Wildlife Management Area: NHMZ, USNM
Gemsbok National Park: TM, USNM
NG/13 Wildlife Management Area: NHMZ
NG/18 Wildlife Management Area: ROM
NG/20 Wildlife Management Area: NHMZ
NG/21 Wildlife Management Area: USNM, NHMZ
NG/26 Wildlife Management Area: NHMZ
NG/27A Wildlife Management Area: NHMZ
NG/4 Wildlife Management Area: SMF
NG/42 Wildlife Management Area: NHMZ
Nxai Pan National Park: NHMZ
Okavango Delta System Not Applicable: TM, NHMZ, FMNH, USNM
Cameroon:
Mbam et Djerem National Park: RMCA
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RBINS
Garamba National Park Not Applicable: RBINS, RMCA
Kahuzi-Biega National Park Not Applicable: RMCA
Mondo Missa Hunting Zone: AMNH, RBINS
Upemba National Park: RBINS
Kenya:
Karura Forest Reserve: SMF
Malawi:
Dzalanyama Forest Reserve: DCDH
Kasungu National Park: DCDH, BMNH

Liwonde National Park: DCDH
South Viphya Forest Reserve: DCDH

Mozambique:

Coutada Oficial 4 Hunting Reserve: NHMZ
Coutada Oficial 5 Hunting Reserve: NHMZ

Namibia:

Bwabwata Game Park: SMW, NHMZ
Etosha Pan, Lake Oponono and Cuvelai drainage Not Applicable: BMNH, SMW
Khaudum Game Park: LACM
Namib Naukluft National Park: TM
Sperrgebiet National Park: SMW, TM
Von Bach Recreational Resort: FMNH, SMF

South Africa:

Addo Elephant National Park: KM
Augrabies Falls National Park: MMK
Baobab Tree Reserve Conservation Area: DNSM, TM
Blouberg Nature Reserve: TM
Bontebok National Park: KM
Bronkhorstspruit Municipal Nature Reserve Nature Reserve: TM
Buffelskloof Private Natural Reserve: TM
Cape Floral Region Protected Areas Not Applicable: TM, CM, SAMC, KM
Cheetah Park Private Nature Reserve: TM
Dlinza Nature Reserve Provincial Nature Reserve: DNSM
Driekop Caves National Heritage Site: TM
Dwesa-cwebe Provincial Nature Reserve: KM
Goegab Nature Reserve: TM
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: DNSM
Greater St Lucia Wetland Park Not Applicable: TM
Hans Merensky Nature Reserve: TM
Hluhluwe-umfolozi Provincial Nature Reserve: TM
Ithala Provincial Nature Reserve: DNSM, TM
Karoo National Park: TM
Kgalagadi Transfrontier Park National Park: USNM, TM, MMK
Koedoeskop Game Ranch Game Farm: DNSM
Kruger National Park: AMNH, TM, NHMZ, CM
Manyeleti Game Reserve Game Farm: TM
Mapungubwe National Park: TM, CM
Mkambati Marine Protected Area: KM
Nylsvley Nature Reserve: TM
Overvaal Municipal Nature Reserve: DNSM
Oviston Nature Reserve: NMB
Percy Fyfe Nature Reserve: TM
Rockdale Game Ranch Game Farm: KM
Rustenburg Nature Reserve: TM
S.A. Lombard Nature Reserve: TM
Sabie Sand Private Natural Reserve: TM
Selati Game Reserve Game Farm: TM
Settlers Park Local Authority Nature Reserve Nature Reserve: DNSM
Spioenkop Provincial Nature Reserve: TM
Suikerbosrand Provincial Nature Reserve Provincial Nature Reserve: TM, DNSM
UKhahlamba / Drakensberg Park Not Applicable: TM, DNSM
Van Riebeeck Park Municipal Nature Reserve Nature Reserve: TM
Van Stadensberg Natural Heritage Site National Heritage Site: KM
Vredefort Dome - Core Area Not Applicable: BMNH, NMB
Weenen Provincial Nature Reserve: DNSM, TM
Wonderkop Nature Reserve: TM

Swaziland:

Hlane Game Sanctuary: DNSM
Malolotja Nature Reserve: TM, NMB
Mlawula Nature Reserve: DNSM
Mlilwane Game Sanctuary: BMNH

Tanzania, United Republic of:

Kazimzumbwi Forest Reserve: SMF
Serengeti National Park Not Applicable: RBINS

Togo:

Atakpamé Forest Reserve: ZMB

Zambia:

Kafue National Park: NMZL
Kafue Flats Game Management Area: CAS, NMZL
Kansonso-Busanga Game Management Area: HZM
Liuwa Plain National Park: BMNH

Zimbabwe:

Chete Safari Area: NHMZ
Chimanimani National Park: NHMZ
Chirisa Safari Area: DNSM, NHMZ, TM
Deka Safari Area: NHMZ

Gwayi State Forest: NHMZ
Hwange (Wankie) National Park: NHMZ
Kabuba Wildlife Management Area: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Matetsi Safari Area: NHMZ
Nenyunka Wildlife Management Area: NHMZ
Ngamo State Forest: NHMZ
Robert McIlwaine Recreation Park: NHMZ
Save Conservancy Sanctuary: NHMZ
Sikalenge Wildlife Management Area: NHMZ
Unknown 4 Wildlife Management Area: NHMZ

Neoromicia guineensis (Bocage, 1889)

Burkina Faso:
Sahel Partial Faunal Reserve: USNM
Central African Republic:
Manovo-Gounda St. Floris National Park Not Applicable: CM
Ethiopia:
Jikao Controlled Hunting Area: SMF, ZFMK, CM

Neoromicia helios (Heller, 1912)

Kenya:
Buffalo Springs National Reserve: CM, ROM
Shimba Hills National Reserve: ROM

Neoromicia matroka (Thomas and Schwann, 1905)

Madagascar:
Zahamena Ankeniheny English designation not known: ROM

Neoromicia nana (Peters, 1852)

Angola:
Bikuar/Huila National Park: AMNH
Benin:
Ouémé Superieur Classified Forest: USNM
Botswana:
NG/16 Wildlife Management Area: NHMZ
NG/18 Wildlife Management Area: SMW
NG/21 Wildlife Management Area: USNM
Okavango Delta System Not Applicable: USNM, NHMZ
Burkina Faso:
Kabore-Tambi National Park: USNM
Burundi:
Rusizi National Park: ZMB
Cameroon:
Mbam et Djerem National Park: RMCA
Central African Republic:
Manovo-Gounda St. Floris National Park Not Applicable: CM
Zone Pilote de la Sangba Classified Forest: CM
Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: RMCA, SMF
Côte d'Ivoire:
Orumbo Boka Classified Forest: MHNG
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: RBINS, AMNH, RMCA
Garamba National Park: RBINS, AMNH
Garamba National Park Not Applicable: RBINS, AMNH, RMCA
Kahuzi-Biega National Park Not Applicable: RMCA
Kundelungu National Park: RMCA
Lubudi - Samppa Hunting Reserve: RMCA
Parc national des Virunga Not Applicable: RBINS, RMCA
Rubi-Tele Hunting Zone: CM
Rutshuru Hunting Reserve: RMCA
Upemba National Park: RBINS, FMNH
Virunga National Park: RBINS
Yangambi forest and floral reserve Strict Nature Reserve: RBINS, RMCA
Ethiopia:
Arba-Minch National Forest Priority Area: SMF
Ghana:
Muro Forest Reserve: ZFMK
Guinea-Bissau:
Cantanhez Forest National Park: CZL

Kenya:
Kakamega Forest Reserve: CM, RMCA
Shimba Hills National Reserve: ZMA
Liberia:
Cape Mount Nature Conservation Unit: AMNH
Malawi:
Lengwe National Park: DCDH
Mulanje Forest Reserve: KM
South Viphya Forest Reserve: DCDH
Mozambique:
"Bloco C" Luwiri Hunting Reserve: DNSM
Niassa Game Reserve: DNSM
Namibia:
Namib Naukluft National Park: NHMZ
Rwanda:
Nyungwe National Park: RMCA
Senegal:
Delta du Saloum Not Applicable: RBINS
Parc national du Niokolo-Koba Not Applicable: MNHN, RMCA
South Africa:
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: TM, DNSM
Greater St Lucia Wetland Park Not Applicable: TM
Hans Merensky Nature Reserve: TM
Hluhluwe-umfolozi Provincial Nature Reserve: NM
Ithala Provincial Nature Reserve: TM, DNSM
Krantzkloof Provincial Nature Reserve: DNSM
Kruger National Park: AMNH, BMNH, CM, SMF, NHMZ, TM
Manyeleti Game Reserve Game Farm: TM
Motlatse Canyon Nature Reserve: TM
Ndumo Provincial Nature Reserve: KM
Vernon Crookes Provincial Nature Reserve: DNSM
Swaziland:
Malolotja Nature Reserve: NMB
Mlawula Nature Reserve: DNSM
Tanzania, United Republic of:
Baga I (Mzinga) Forest Reserve: ZMUC
Kazimzumbwi Forest Reserve: SMF
Magoroto Forest Reserve: ZMB
Mikumi National Park: SMF
Rondo Forest Reserve: HZM
South Gendagenda Forest Reserve: SMF
Uganda:
Entebbe Wildlife Sanctuary: ZMB
Rwenzori Mountains National Park Not Applicable: ZMB, RMCA
Zambia:
Chamato Forest Reserve: RMCA
Forest Reserve Name Unknown (ZMB) No.3 Forest Reserve: HZM
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: NHMZ
Kafue National Park: NMZL
Kafue Flats Game Management Area: CAS
Lunga-Luswishi Game Management Area: NHMZ
South Luangwa National Park: NMZL
West Zambezi Game Management Area: FMNH
Zimbabwe:
Chete Safari Area: NHMZ
Chimanimani National Park: TM, NHMZ
Chimukoko Wildlife Management Area: MNHN
Chirisa Safari Area: NHMZ, TM
Gonarezhou National Park: NHMZ
Machuchuta Wildlife Management Area: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Matetsi Safari Area: NHMZ
Ngorima B Wildlife Management Area: NHMZ
Ngungunyana State Forest: TM, USNM, CM
Rhodes Nyanga National Park: NHMZ
Save Conservancy Sanctuary: ROM
Sengwe Wildlife Management Area: NHMZ
Sikalenge Wildlife Management Area: NHMZ

Neoromicia rendalli (Thomas, 1889)

Botswana:
NG/21 Wildlife Management Area: USNM
NG/29 Wildlife Management Area: NHMZ
Okavango Delta System Not Applicable: USNM

Chad:
Mandelia Faunal Reserve: MHNG
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH, RMCA
Garamba National Park Not Applicable: RMCA
Mondo Missa Hunting Zone: RBINS
Upemba National Park: FMNH
Kenya:
Buffalo Springs National Reserve: CM
Niger:
'W' National Park Not Applicable: USNM
Sierra Leone:
Outamba-Kilimi National Park: USNM
Uganda:
Entebbe Wildlife Sanctuary: ZMB
Zambia:
Kafue Flats Game Management Area: HZM
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: NMZL
Zimbabwe:
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: TM

Neoromicia somalica (Thomas, 1901)

Burkina Faso:
Kabore-Tambi National Park: USNM
Central African Republic:
Manovo-Gounda St. Floris National Park Not Applicable: CM
Zone Pilote de la Sangba Classified Forest: CM
Côte d'Ivoire:
Comoé National Park Not Applicable: LACM
Ethiopia:
Dengego-Melka Jedbu National Forest Priority Area: AMNH, ZMB
Kenya:
Shimba Hills National Reserve: CM
Sierra Leone:
Outamba-Kilimi National Park: USNM
South Africa:
Kruger National Park: AMNH, LACM, MHNG
Tanzania, United Republic of:
Mount Meru Game Reserve: AMNH
South Gendagenda Forest Reserve: SMF
Tarangire National Park: FMNH
Togo:
Atakpamé Forest Reserve: RMCA
Uganda:
Amudat Community Wildlife Management Area: USNM
Zimbabwe:
Hwange (Wankie) National Park: FMNH

Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017

Botswana:
NG/29 Wildlife Management Area: NHMZ
Malawi:
Kasungu National Park: BMNH
Liwonde National Park: DCDH
South Africa:
Kruger National Park: CM, TM
Tanzania, United Republic of:
Serengeti National Park Not Applicable: RBINS
Zambia:
West Zambezi Game Management Area: BMNH
Zimbabwe:
Deka Safari Area: NHMZ
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: TM

Neoromicia tenuipinnis (Peters, 1872)

Burundi:
Rusizi National Park: ZMB
Cameroon:
Bambuko Forest Reserve: ROM
Congo (Democratic Republic of the):
Mangrove Nature Reserve or Marine Park Nature Reserve: RMCA, RBINS

Côte d'Ivoire:
Banco National Park: USNM
Democratic Republic of the Congo:
Gangala-na Bodio Hunting Reserve: AMNH, RMCA
Kahuzi-Biega National Park Not Applicable: RMCA
Parc national des Virunga Not Applicable: RMCA
Rubi-Tele Hunting Zone: USNM, CM
Ethiopia:
Gambella National Park: USNM
Sierra Leone:
Outamba-Kilimi National Park: USNM
Uganda:
Entebbe Wildlife Sanctuary: FMNH, MHNG, ZMB

Neoromicia zuluensis (Roberts, 1924)

Botswana:
Chobe National Park: FMNH, TM
CT/3 Wildlife Management Area: NHMZ
NG/20 Wildlife Management Area: NHMZ
NG/21 Wildlife Management Area: USNM
NG/22 Wildlife Management Area: NHMZ
Okavango Delta System Not Applicable: NHMZ
Kenya:
Buffalo Springs National Reserve: SMF
Malawi:
Liwonde National Park: DCDH
Mozambique:
"Bloco C" Luwiri Hunting Reserve: DNSM
Coutada Oficial 4 Hunting Reserve: NHMZ
Coutada Oficial No. 14 Hunting Reserve: NHMZ
Niassa Game Reserve: DNSM
Namibia:
Bwabwata Game Park: SMW
Namib Naukluft National Park: TM, NHMZ
South Africa:
Baobab Tree Reserve Conservation Area: DNSM
Blouberg Nature Reserve: TM
Greater St Lucia Wetland Park Not Applicable: TM
Hluhluwe-umfolozi Provincial Nature Reserve: TM
Kruger National Park: NHMZ, TM, CM
Mapungubwe National Park: CM, TM
Protected Area (Name Unknown) ZAF No.2 English designation not known: TM
Sabie Sand Private Natural Reserve: TM
Swaziland:
Hlane Game Sanctuary: TM, DNSM
Mlawula Nature Reserve: TM, DNSM
Zambia:
Kafue National Park: NMZL
Kaputa Game Management Area: HZM
Mosi-Oa-Tunya National Park: NHMZ
South Luangwa National Park: NHMZ
Zimbabwe:
Chete Safari Area: NHMZ
Chirisa Safari Area: NHMZ, ROM
Great Dyke State Land Sanctuary: NHMZ
Save Conservancy Sanctuary: NHMZ
Sikalenge Wildlife Management Area: NHMZ
Umfuli (Hartley A) Recreation Park: NHMZ

Neoromicia "incertae-sedis"

Angola:
Kameia National Park: MDL

Nycticeinops schlieffenii (Peters, 1859)

Botswana:
Chobe National Park: NHMZ, TM, AMNH
NG/20 Wildlife Management Area: USNM
NG/26 Wildlife Management Area: NHMZ
Sibuyu Forest Reserve: NHMZ

Democratic Republic of the Congo:
Garamba National Park Not Applicable: RMCA
Lubudi - Samppa Hunting Reserve: RBINS
Upemba National Park: RBINS
Mozambique:
Coutada Oficial 4 Hunting Reserve: NHMZ
Niassa Game Reserve: DNSM
Zinave National Park: NHMZ
South Africa:
Baobab Tree Reserve Conservation Area: TM
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: DNSM
Greater St Lucia Wetland Park Not Applicable: TM
Hans Merensky Nature Reserve: TM
Klaserie Private Nature Reserve: TM
Kruger National Park: NHMZ, AMNH, TM
Ndumo Provincial Nature Reserve: TM
Sabie Sand Private Natural Reserve: TM
Swaziland:
Hlane Game Sanctuary: DNSM
Mlawula Nature Reserve: TM
Togo:
Kéran National Park: RMCA
Zambia:
Kafue National Park: NHMZ, NMZL
Luangwa Forest Reserve: DNSM
Lupande Game Management Area: NHMZ
Mosi-Oa-Tunya National Park: NHMZ
South Luangwa National Park: NHMZ
Zimbabwe:
Chalala Sanctuary: NHMZ
Chapoto Wildlife Management Area: NHMZ
Chete Safari Area: NHMZ
Chirisa Safari Area: TM, DNSM, NHMZ
Chisunga Wildlife Management Area: NHMZ
Deka Safari Area: NHMZ
Gonarezhou National Park: NHMZ
Halisupi Wildlife Management Area: NHMZ
Hwange (Wankie) National Park: NHMZ
Kachecheti Wildlife Management Area: NHMZ
Kanyati A Wildlife Management Area: NHMZ
Kanyurira Sanctuary: NHMZ
Karamba Wildlife Management Area: NHMZ
Kariba Recreation Park: NHMZ
Malilangwe Conservancy Sanctuary: NHMZ
Malipati Safari Area: NHMZ
Mana Pools National Park, Sapi and Chewore Safari Areas Not Applicable: NHMZ
Matetsi Safari Area: NHMZ
Mukota A Wildlife Management Area: NHMZ
Save Conservancy Sanctuary: NHMZ
Sengwe Wildlife Management Area: NHMZ

Otonycteris hemprichii Peters, 1859

Egypt:
St Catherine Natural Monument: NMP

Pipistrellus Kaup, 1829

Democratic Republic of the Congo:
Rutshuru Hunting Reserve: RMCA

Pipistrellus aero Heller, 1912

Ethiopia:
Belete Gera National Forest Priority Area: ZMMU
Kenya:
Matthews Range Forest Reserve: USNM

Pipistrellus grandidieri (Dobson, 1876)

Cameroon:
Ejagham Forest Reserve: ROM
Tanzania, United Republic of:
Amani Nature Reserve: SMF
Bamba Ridge Forest Reserve: SMF

Kambai Forest Reserve: SMF
Magoroto Forest Reserve: SMF
Nilo Nature Reserve: SMF
Segoma Forest Reserve: SMF
Semdoe Forest Reserve: SMF

Pipistrellus hesperidus (Temminck, 1840)

Botswana:
Okavango Delta System Not Applicable: TM
Burkina Faso:
Kabore-Tambi National Park: ROM
Ethiopia:
Arba-Minch National Forest Priority Area: SMF
Kenya:
Hell's Gate National Park: CM
Lake Nakuru Not Applicable: CM
Masai Mara National Reserve: CM
Ngong Hills Forest Reserve: USNM
Madagascar:
Zombitse-Vohibasia National Park: FMNH
Malawi:
Dzalanyama Forest Reserve: DCDH
Nyika National Park: DCDH
South Viphya Forest Reserve: DCDH
South Africa:
Buffelskloof Private Natural Reserve: TM
Dlinza Nature Reserve Provincial Nature Reserve: DNSM
Dwesa-cwebe Provincial Nature Reserve: KM
Greater St Lucia Wetland Nature Reserve Provincial Nature Reserve: TM
Greater St Lucia Wetland Park Not Applicable: TM, DNSM
Harold Johnson Provincial Nature Reserve: DNSM
Hluhluwe-umfolozi Provincial Nature Reserve: TM
Krantzkloof Provincial Nature Reserve: TM, DNSM
Kruger National Park: TM
Loskop Dam Provincial Nature Reserve: TM
Ndumo Provincial Nature Reserve: TM
Nkandla Provincial Nature Reserve: DNSM
North Park Provincial Nature Reserve: DNSM
Umlalazi Provincial Nature Reserve: DNSM, TM
Swaziland:
Malolotja Nature Reserve: TM
Mlawula Nature Reserve: DNSM, TM
Tanzania, United Republic of:
Baga I (Mzinga) Forest Reserve: ZMUC
Ngorongoro Conservation Area Not Applicable: TM
Uganda:
Murchison Falls National Park: ROM
Zambia:
Kansonso-Busanga Game Management Area: NHMZ
Zimbabwe:
Banti State Forest: NHMZ
Chimanimani National Park: TM
Chirisa Safari Area: ROM
Ngorima B Wildlife Management Area: NHMZ
Ngungunyana State Forest: TM
Rhodes Nyanga National Park: TM
Robert McIlwaine Recreation Park: NHMZ

Pipistrellus hesperidus hesperidus (Temminck, 1840)

Burundi:
Kibira National Park: FMNH
Kenya:
Ngong Hills Forest Reserve: FMNH
Tsavo East National Park: FMNH
Malawi:
Nyika National Park: BMNH

Pipistrellus inexspectatus Aellen, 1959

Benin:
Ouémé Superieur Classified Forest: USNM
Nigeria:
Kamuku National Park: ROM

Pipistrellus nanulus Thomas, 1904

Benin:
Ouémé Superieur Classified Forest: USNM
Cameroon:
Douala - Edéa Wildlife Reserve: USNM
Mengame Gorilla Sanctuary Wildlife Sanctuary: RMCA
Equatorial Guinea:
Pico de Basilé National Park: AMNH
Ghana:
Muro Forest Reserve: ZFMK
Liberia:
West Nimba National Forest: AMNH
Sierra Leone:
Outamba-Kilimi National Park: USNM
Uganda:
Queen Elizabeth National Park Not Applicable: AMNH

Pipistrellus rueppellii (Fischer, 1829)

Botswana:
NG/21 Wildlife Management Area: USNM, NHMZ
NG/26 Wildlife Management Area: NHMZ
Okavango Delta System Not Applicable: FMNH, TM, USNM
Ethiopia:
Awash West Controlled Hunting Area: ROM
Kenya:
Maralai Game Sanctuary: ROM
Malawi:
Liwonde National Park: DCDH, BMNH
South Viphya Forest Reserve: DCDH
South Africa:
Augrabies Falls National Park: MMK
Kruger National Park: NHMZ, TM, CM
Uganda:
Queen Elizabeth National Park: ROM
Queen Elizabeth National Park Not Applicable: HZM
Zambia:
Kafue National Park: NMZL
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: NHMZ, CAS
Lunga-Luswishi Game Management Area: NHMZ
South Luangwa National Park: LACM
Zimbabwe:
Chalala Sanctuary: NHMZ
Chete Safari Area: NHMZ
Chirisa Safari Area: NHMZ, ROM
Matetsi Safari Area: NHMZ
Robert McIlwaine Recreation Park: NHMZ
Sengwe Wildlife Management Area: NHMZ
Sikalenge Wildlife Management Area: NHMZ

Pipistrellus rueppellii fuscipes Thomas, 1913

Uganda:
Entebbe Wildlife Sanctuary: AMNH
Mount Kei Wildlife Sanctuary: FMNH
Queen Elizabeth National Park Not Applicable: AMNH

Pipistrellus rueppellii senegalensis Dorst, 1960

Senegal:
Djoudj Not Applicable: MNHN

Pipistrellus rueppellii vernayi Roberts, 1932

Botswana:
Okavango Delta System Not Applicable: AMNH
South Africa:
Kruger National Park: AMNH

Pipistrellus rusticus (Tomes, 1861)

Botswana:
NG/20 Wildlife Management Area: NHMZ
NG/21 Wildlife Management Area: NHMZ, USNM, HZM
NG/26 Wildlife Management Area: NHMZ
NG/27A Wildlife Management Area: NHMZ
NG/42 Wildlife Management Area: NHMZ
Okavango Delta System Not Applicable: NHMZ, USNM
Central African Republic:
Manovo-Gounda St. Floris National Park Not Applicable: CM
Ethiopia:
Akobo Controlled Hunting Area: ZMMU
Awash West Wildlife Reserve: MZUF
Godere National Forest Priority Area: ZMMU
Jikao Controlled Hunting Area: SMF, ZFMK
Shako National Forest Priority Area: ZMMU
South Africa:
Baobab Tree Reserve Conservation Area: DNSM
De Onderstepoort Private Nature Reserve: TM
Hans Merensky Nature Reserve: TM
Kruger National Park: CM, NHMZ, TM, BMNH, AMNH
Madikwe Nature Reserve: TM
Mapungubwe National Park: CM, TM
Motlatse Canyon Nature Reserve: TM
Nylsvley Nature Reserve: TM
Zoutpan Private Nature Reserve: TM
Zambia:
Kafue Flats: Lochinvar and Blue Lagoon Not Applicable: NMZL
Zimbabwe:
Chete Safari Area: NHMZ
Chirisa Safari Area: TM, NHMZ
Gwayi State Forest: NHMZ
Halisupi Wildlife Management Area: NHMZ
Hwange (Wankie) National Park: NHMZ
Rhodes Matopos National Park: NHMZ
Sengwe Wildlife Management Area: NHMZ

Plecotus balensis Kruskop & Lavrenchenko, 2000

Ethiopia:
Bale Wildlife Reserve: ZMMU

Plecotus teneriffae Barrett-Hamilton, 1907

Morocco:
Tazekka National Park: NMW

Scotoecus albigula Thomas, 1909

Angola:
Kameia National Park: MDL, BMNH
Mozambique:
Zinave National Park: NHMZ
Zambia:
Forest Reserve Name Unknown (ZMB) No.58 Forest Reserve: KM
Lupande Game Management Area: NHMZ, BMNH

Scotoecus albofuscus (Thomas, 1890)

Mozambique:
Zinave National Park: NHMZ
South Africa:
Greater St Lucia Wetland Park Not Applicable: DNSM

Scotoecus hindei Thomas, 1901

Malawi:
Liwonde National Park: BMNH
Mozambique:
Zinave National Park: NHMZ
Tanzania, United Republic of:
Kilimanjaro National Park Not Applicable: AMNH
Mount Meru Game Reserve: AMNH

Zambia:

Kafue National Park: NMZL
Lumimba Game Management Area: LACM
South Luangwa National Park: NMZL

Appendix 2f3: Number of specimens of the given taxa collected in and outside Protected Areas

Taxon	All	In PA	Out PA	% In PA	% Out PA
CHIROPTERA Blumenbach, 1779	129842	10217	119625	7.87%	92.13%
PTEROPODIFORMI Van Cakenberghe, Kearney and Seamark, 2007	58554	2974	55580	5.08%	94.92%
PTEROPODIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	29622	1320	28302	4.46%	95.54%
PTEROPODOIDEA Gray, 1821	29622	1320	28302	4.46%	95.54%
PTEROPODIDAE Gray, 1821	29622	1320	28302	4.46%	95.54%
Eidolinae Almeida, Giannini and Simmons, 2016	2069	49	2020	2.37%	97.63%
Eidolon Rafinesque, 1815	2069	49	2020	2.37%	97.63%
Eidolon dupreanum (Schegel, 1867)	121	1	120	0.83%	99.17%
Eidolon helvum (Kerr, 1792)	1948	48	1900	2.46%	97.54%
Eidolon helvum helvum (Kerr, 1792)	353	0	353	0.00%	100.00%
Pteropodinae Gray, 1821	616	1	615	0.16%	99.84%
Pteropus Erxleben, 1777	616	1	615	0.16%	99.84%
Pteropus aldabrensis True, 1893	19	0	19	0.00%	100.00%
Pteropus livingstonii Gray, 1866	113	0	113	0.00%	100.00%
Pteropus niger (Kerr, 1792)	78	0	78	0.00%	100.00%
Pteropus rodricensis Dobson, 1878	43	0	43	0.00%	100.00%
Pteropus rufus E. Geoffroy St.-Hilaire, 1803	184	1	183	0.54%	99.46%
Pteropus seychellensis A. Milne-Edwards, 1877	105	0	105	0.00%	100.00%
Pteropus subniger (Kerr, 1792)	16	0	16	0.00%	100.00%
Pteropus voeltzkowi Matschie, 1909	47	0	47	0.00%	100.00%
Rousettinae Andersen, 1912	26927	1270	25657	4.72%	95.28%
Casinycteris Thomas, 1910	177	0	177	0.00%	100.00%
Casinycteris argynnis Thomas, 1910	157	0	157	0.00%	100.00%
Casinycteris campomaanensis Hassanin, 2014	1	0	1	0.00%	100.00%
Casinycteris ophiodon (Pohle, 1943)	19	0	19	0.00%	100.00%
Epomophorus Bennett, 1836	9404	623	8781	6.62%	93.38%
Epomophorus angolensis Gray, 1870	80	0	80	0.00%	100.00%
Epomophorus anselli Bergmans and Van Strien, 2004	7	2	5	28.57%	71.43%
Epomophorus crypturus Peters, 1852	698	116	582	16.62%	83.38%
Epomophorus dobsonii Bocage, 1889	130	17	113	13.08%	86.92%
Epomophorus gambianus (Ogilby, 1835)	2948	106	2842	3.60%	96.40%
Epomophorus gambianus gambianus (Ogilby, 1835)	211	0	211	0.00%	100.00%
Epomophorus gambianus pousarguesi Trouessart, 1904	5	0	5	0.00%	100.00%
Epomophorus grandis (Sanborn, 1950)	5	0	5	0.00%	100.00%
Epomophorus labiatus (Temminck, 1837)	2283	113	2170	4.95%	95.05%
Epomophorus minimus Claessen & De Vree, 1991	311	95	216	30.55%	69.45%
Epomophorus minor Dobson, 1880	411	6	405	1.46%	98.54%
Epomophorus wahlbergi (Sundevall, 1846)	2325	167	2158	7.18%	92.82%
Epomops Gray, 1866	3225	60	3165	1.86%	98.14%
Epomops buettikoferi (Matschie, 1899)	521	20	501	3.84%	96.16%
Epomops franqueti (Tomes, 1860)	2693	40	2653	1.49%	98.51%
Hypsignathus H. Allen, 1862	556	22	534	3.96%	96.04%
Hypsignathus monstrosus H. Allen, 1862	556	22	534	3.96%	96.04%
Megaloglossus Pagenstecher, 1885	1169	18	1151	1.54%	98.46%
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012	209	2	207	0.96%	99.04%
Megaloglossus woermanni Pagenstecher, 1885	960	16	944	1.67%	98.33%
Micropteropus Matschie, 1899	4797	169	4628	3.52%	96.48%
Micropteropus intermedius Hayman, 1963	6	1	5	16.67%	83.33%
Micropteropus pusillus (Peters, 1868)	4757	168	4589	3.53%	96.47%
Myonycteris Matschie, 1899	2943	89	2854	3.02%	96.98%
Myonycteris angolensis (Bocage, 1898)	1462	82	1380	5.61%	94.39%
Myonycteris angolensis angolensis (Bocage, 1898)	33	0	33	0.00%	100.00%
Myonycteris angolensis goliath (Bergmans, 1997)	18	3	15	16.67%	83.33%
Myonycteris angolensis petraea (Bergmans, 1997)	19	0	19	0.00%	100.00%
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)	220	1	219	0.45%	99.55%
Myonycteris angolensis smithii (Thomas, 1908)	156	0	156	0.00%	100.00%
Myonycteris brachycephala (Bocage, 1889)	3	0	3	0.00%	100.00%
Myonycteris leptodon K. Andersen, 1908	548	0	548	0.00%	100.00%
Myonycteris relicta Bergmans, 1980	43	3	40	6.98%	93.02%
Myonycteris torquata (Dobson, 1878)	887	4	883	0.45%	99.55%
Myonycteris torquata torquata (Dobson, 1878)	13	0	13	0.00%	100.00%
Myonycteris torquata wroughtoni K. Andersen, 1908	4	0	4	0.00%	100.00%
Nanonycteris Matschie, 1899	617	5	612	0.81%	99.19%
Nanonycteris veldkampii (Jentink, 1888)	617	5	612	0.81%	99.19%
Plerotes K. Andersen, 1910	10	3	7	30.00%	70.00%
Plerotes anchietae (Seabra, 1900)	10	3	7	30.00%	70.00%
Rousettus Gray, 1821	3360	267	3093	7.95%	92.05%
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)	2794	267	2527	9.56%	90.44%
Rousettus madagascariensis G. Grandidier, 1929	334	0	334	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Rousettus obliviosus Kock, 1978	197	0	197	0.00%	100.00%
Scotonycteris Matschie, 1894	265	6	259	2.26%	97.74%
Scotonycteris bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	96	3	93	3.13%	96.88%
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	33	1	32	3.03%	96.97%
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	63	2	61	3.17%	96.83%
Scotonycteris occidentalis Hayman, 1947	98	0	98	0.00%	100.00%
Scotonycteris zenkeri Matschie, 1894	71	3	68	4.23%	95.77%
Stenonycteris Gray, 1870	369	7	362	1.90%	98.10%
Stenonycteris lanosus (Thomas, 1906)	369	7	362	1.90%	98.10%
RHINOLOPHIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	28932	1654	27278	5.72%	94.28%
RHINOLOPHOIDEA J. E. Gray, 1825	27627	1605	26022	5.81%	94.19%
HIPPOSIDERIDAE Lydekker, 1891	14119	813	13306	5.76%	94.24%
Asellia Gray, 1838	1580	21	1559	1.33%	98.67%
Asellia italosomalica de Beaux, 1931	1	0	1	0.00%	100.00%
Asellia patrizii de Beaux, 1931	25	0	25	0.00%	100.00%
Asellia tridens (E. Geoffroy St.-Hilaire, 1813)	1546	21	1525	1.36%	98.64%
Doryrhina Peters, 1871	471	18	453	3.82%	96.18%
Doryrhina cyclops (Temminck, 1853)	471	18	453	3.82%	96.18%
Hipposideros Gray, 1831	10824	701	10123	6.48%	93.52%
Hipposideros besaoka Samonds, 2007	629	0	629	0.00%	100.00%
Hipposideros abae J.A. Allen, 1917	393	86	307	21.88%	78.12%
Hipposideros beatus (K. Andersen, 1906)	189	5	184	2.65%	97.35%
Hipposideros caffer (Sundevall, 1846)	4541	411	4130	9.05%	90.95%
Hipposideros camerunensis Eisentraut, 1956	17	0	17	0.00%	100.00%
Hipposideros cf. centralis Andersen, 1906	9	0	9	0.00%	100.00%
Hipposideros curtus G.M. Allen, 1921	34	0	34	0.00%	100.00%
Hipposideros fuliginosus (Temminck, 1853)	148	4	144	2.70%	97.30%
Hipposideros jonesi Hayman, 1947	132	0	132	0.00%	100.00%
Hipposideros lamottei Brosset, 1985	12	6	6	50.00%	50.00%
Hipposideros marisae Aellen, 1954	6	0	6	0.00%	100.00%
Hipposideros megalotis (Heuglin, 1861)	24	0	24	0.00%	100.00%
Hipposideros ruber (Noack, 1893)	4090	180	3910	4.40%	95.60%
Hipposideros tephrus (Cabrera, 1906)	383	9	374	2.35%	97.65%
Macronycteris Gray, 1866	1242	73	1169	5.88%	94.12%
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)	260	0	260	0.00%	100.00%
Macronycteris cryptovalorona (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)	2	0	2	0.00%	100.00%
Macronycteris gigas (Wagner, 1845)	161	4	157	2.48%	97.52%
Macronycteris vittatus (Peters, 1852)	818	69	749	8.44%	91.56%
MEGADERMATIDAE H. Allen, 1864	1768	87	1681	4.92%	95.08%
Cardioderma Peters, 1873	609	6	603	0.99%	99.01%
Cardioderma cor (Peters, 1872)	609	6	603	0.99%	99.01%
Lavia Gray, 1838	1159	81	1078	6.99%	93.01%
Lavia frons (E. Geoffroy St.-Hilaire, 1810)	1159	81	1078	6.99%	93.01%
RHINOLOPHIDAE Gray, 1825	10330	668	9662	6.47%	93.53%
Rhinolophus Lacépède, 1799	10328	668	9660	6.47%	93.53%
Rhinolophus adami Aellen and Brosset, 1968	13	0	13	0.00%	100.00%
Rhinolophus alcyone Temminck, 1853	212	0	212	0.00%	100.00%
Rhinolophus blasii Peters, 1867	372	19	353	5.11%	94.89%
Rhinolophus capensis Lichtenstein, 1823	106	29	77	27.36%	72.64%
Rhinolophus clivosus Cretzschmar, 1828	2597	147	2450	5.66%	94.34%
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	14	1	13	7.14%	92.86%
Rhinolophus damarensis Roberts, 1946	89	5	84	5.62%	94.38%
Rhinolophus darlingi K. Andersen, 1905	308	87	221	28.25%	71.75%
Rhinolophus deckenii Peters, 1868	118	0	118	0.00%	100.00%
Rhinolophus denti Thomas, 1904	365	6	359	1.64%	98.36%
Rhinolophus eloquens K. Andersen, 1905	543	2	541	0.37%	99.63%
Rhinolophus euryale Blasius, 1853	129	0	129	0.00%	100.00%
Rhinolophus ferrumequinum (Schreber, 1774)	83	0	83	0.00%	100.00%
Rhinolophus fumigatus Rüppell, 1842	1057	47	1010	4.45%	95.55%
Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018	12	0	12	0.00%	100.00%
Rhinolophus guineensis Eisentraut, 1960	60	0	60	0.00%	100.00%
Rhinolophus hildebrandtii Peters, 1878	387	70	317	18.09%	81.91%
Rhinolophus hilli Aellen, 1973	2	0	2	0.00%	100.00%
Rhinolophus hillorum Koopman, 1989	8	0	8	0.00%	100.00%
Rhinolophus hipposideros (Bechstein, 1800)	76	0	76	0.00%	100.00%
Rhinolophus kahuzi Fahr and Kerbis Peterhans, 2013	1	0	1	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Rhinolophus landeri Martin, 1838	466	6	460	1.29%	98.71%
Rhinolophus lobatus Peters, 1852	662	54	608	8.16%	91.84%
Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	2	0	2	0.00%	100.00%
Rhinolophus maclaudi Pousargues, 1898	9	0	9	0.00%	100.00%
Rhinolophus maendeleo Kock, Csorba and Howell, 2000	9	0	9	0.00%	100.00%
Rhinolophus mehelyi Matschie, 1901	740	0	740	0.00%	100.00%
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	28	1	27	3.57%	96.43%
Rhinolophus rhodesiae Roberts, 1946	250	16	234	6.40%	93.60%
Rhinolophus ruwenzorii J. Eric Hill, 1942	40	0	40	0.00%	100.00%
Rhinolophus sakejiensis Cotterill, 2002	3	0	3	0.00%	100.00%
Rhinolophus silvestris Aellen, 1959	9	0	9	0.00%	100.00%
Rhinolophus simulator K. Andersen, 1904	711	72	639	10.13%	89.87%
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	409	83	326	20.29%	79.71%
Rhinolophus swinnyi Gough, 1908	51	12	39	23.53%	76.47%
Rhinolophus willardi Kerbis Peterhans and Fahr, 2013	4	0	4	0.00%	100.00%
Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002	2	0	2	0.00%	100.00%
RHINONYCTERIDAE J. E. Gray, 1866	1410	37	1373	2.62%	97.38%
Cloeotis Thomas, 1901	381	28	353	7.35%	92.65%
Cloeotis percivali Thomas, 1901	381	28	353	7.35%	92.65%
Paratriaenops Benda and Vallo, 2009	61	6	55	9.84%	90.16%
Paratriaenops auritus (G. Grandidier, 1912)	2	0	2	0.00%	100.00%
Paratriaenops furculus (Trouessart, 1907)	53	0	53	0.00%	100.00%
Paratriaenops pauliani (Goodman and Ranivo, 2008)	6	6	0	100.00%	0.00%
Triaenops Dobson, 1871	968	3	965	0.31%	99.69%
Triaenops goodmani Samonds, 2007	4	0	4	0.00%	100.00%
Triaenops afer Peters, 1877	840	2	838	0.24%	99.76%
Triaenops menamena Goodman and Ranivo, 2009	97	0	97	0.00%	100.00%
RHINOPOMATOIDEA Dobson, 1872	1305	49	1256	3.75%	96.25%
RHINOPOMATIDAE Dobson, 1872	1305	49	1256	3.75%	96.25%
Rhinopoma E. Geoffroy St.-Hilaire, 1818	1305	49	1256	3.75%	96.25%
Rhinopoma cystops Thomas, 1903	886	31	855	3.50%	96.50%
Rhinopoma macinnesi Hayman, 1937	122	17	105	13.93%	86.07%
Rhinopoma microphyllum (Brünnich, 1782)	296	1	295	0.34%	99.66%
VESPERTILIONIFORMI Van Cakenberghe, Kearney and Seamark, 2007	71014	7243	63771	10.20%	89.80%
NOCTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	66	0	66	0.00%	100.00%
NOCTILIONOIDEA Gray, 1821	66	0	66	0.00%	100.00%
MYZOPODIDAE Thomas, 1904	66	0	66	0.00%	100.00%
Myzopoda Milne-Edwards and A. Grandidier, 1878	66	0	66	0.00%	100.00%
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878	39	0	39	0.00%	100.00%
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007	27	0	27	0.00%	100.00%
NYCTERIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	12942	1131	11811	8.74%	91.26%
NYCTEROIDEA Van der Hoeven, 1855	12942	1131	11811	8.74%	91.26%
EMBALLONURIDAE Gervais, 1855	4131	165	3966	3.99%	96.01%
Coleura Peters, 1867	1234	5	1229	0.41%	99.59%
Coleura afra (Peters, 1852)	1167	5	1162	0.43%	99.57%
Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	21	0	21	0.00%	100.00%
Coleura seychellensis Peters, 1868	41	0	41	0.00%	100.00%
Paremballonura Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	157	14	143	8.92%	91.08%
Paremballonura atrata (Peters, 1874)	109	0	109	0.00%	100.00%
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)	48	14	34	29.17%	70.83%
Saccolaimus Temminck, 1838	154	4	150	2.60%	97.40%
Saccolaimus peli (Temminck, 1853)	154	4	150	2.60%	97.40%
Taphozous E. Geoffroy St.-Hilaire, 1818	2585	142	2443	5.49%	94.51%
Taphozous incognita (Butler & Hopwood, 1957)	1	0	1	0.00%	100.00%
Taphozous hamiltoni Thomas, 1920	44	0	44	0.00%	100.00%
Taphozous hildegardeae Thomas, 1909	320	0	320	0.00%	100.00%
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818	878	128	750	14.58%	85.42%
Taphozous nudiventris Cretzschmar, 1830	424	0	424	0.00%	100.00%
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818	879	14	865	1.59%	98.41%
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818	511	0	511	0.00%	100.00%
Taphozous perforatus sudani Thomas, 1915	30	0	30	0.00%	100.00%
NYCTERIDAE Van der Hoeven, 1855	8811	966	7845	10.96%	89.04%
Nycteris G. Cuvier and E. Geoffroy, 1795	8810	966	7844	10.96%	89.04%
Nycteris arge Thomas, 1903	334	45	289	13.47%	86.53%
Nycteris aurita (K. Andersen, 1912)	61	0	61	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Nycteris cf. parisii De Beaux, 1924	1	0	1	0.00%	100.00%
Nycteris gambiensis (K. Andersen, 1912)	677	84	593	12.41%	87.59%
Nycteris grandis Peters, 1865	265	23	242	8.68%	91.32%
Nycteris hispida (Schreber, 1774)	2008	239	1769	11.90%	88.10%
Nycteris intermedia Aellen, 1959	32	8	24	25.00%	75.00%
Nycteris macrotis Dobson, 1876	1363	103	1260	7.56%	92.44%
Nycteris madagascariensis G. Grandidier, 1937	2	2	0	100.00%	0.00%
Nycteris major (K. Andersen, 1912)	11	2	9	18.18%	81.82%
Nycteris nana (K. Andersen, 1912)	107	29	78	27.10%	72.90%
Nycteris parisii (de Beaux, 1924)	6	2	4	33.33%	66.67%
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818	3638	414	3224	11.38%	88.62%
Nycteris vinsoni Dalquest, 1965	1	0	1	0.00%	100.00%
Nycteris woodi K. Andersen, 1914	90	15	75	16.67%	83.33%
VESPERTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	58006	6112	51894	10.54%	89.46%
MOLOSSOIDEA Gervais, 1856	25934	1925	24009	7.42%	92.58%
MOLOSSIDAE Gervais, 1856	25934	1925	24009	7.42%	92.58%
Molossinae Gervais, 1856	25777	1920	23857	7.45%	92.55%
Chaerephon Dobson, 1874	12453	1086	11367	8.72%	91.28%
Chaerephon aloysiisabaudiae (Festa, 1907)	29	1	28	3.45%	96.55%
Chaerephon ansorgei (Thomas, 1913)	455	73	382	16.04%	83.96%
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010	315	0	315	0.00%	100.00%
Chaerephon bemmeleni (Jentink, 1879)	258	0	258	0.00%	100.00%
Chaerephon bivittatus (Heuglin, 1861)	319	5	314	1.57%	98.43%
Chaerephon chapini J.A. Allen, 1917	52	11	41	21.15%	78.85%
Chaerephon gallagheri (Harrison, 1975)	1	0	1	0.00%	100.00%
Chaerephon jobimena Goodman and Cardiff, 2004	5	0	5	0.00%	100.00%
Chaerephon leucogaster (A. Grandidier, 1869)	430	25	405	5.81%	94.19%
Chaerephon major (Trouessart, 1897)	764	193	571	25.26%	74.74%
Chaerephon nigeriae Thomas, 1913	319	16	303	5.02%	94.98%
Chaerephon nigeriae nigeriae Thomas, 1913	11	0	11	0.00%	100.00%
Chaerephon nigeriae spillmanni (Monard, 1933)	71	0	71	0.00%	100.00%
Chaerephon pumilus (Cretzschmar, 1826)	9167	762	8405	8.31%	91.69%
Chaerephon pusillus (Miller, 1902)	120	0	120	0.00%	100.00%
Chaerephon russatus J.A. Allen, 1917	42	0	42	0.00%	100.00%
Chaerephon tomensis (Juste and Ibáñez, 1993)	3	0	3	0.00%	100.00%
Mops Lesson, 1842	8685	560	8125	6.45%	93.55%
Mops rusingae (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)	1	0	1	0.00%	100.00%
Mops (Mops) Lesson, 1842	6954	555	6399	7.98%	92.02%
Mops (Mops) condylurus (A. Smith, 1833)	5807	441	5366	7.59%	92.41%
Mops (Mops) congicus J.A. Allen, 1917	66	0	66	0.00%	100.00%
Mops (Mops) demonstrator (Thomas, 1903)	115	8	107	6.96%	93.04%
Mops (Mops) leucostigma (G.M. Allen, 1918)	214	0	214	0.00%	100.00%
Mops (Mops) midas (Sundevall, 1843)	438	97	341	22.15%	77.85%
Mops (Mops) midas miarensis (A. Grandidier, 1869)	6	0	6	0.00%	100.00%
Mops (Mops) midas midas (Sundevall, 1843)	21	12	9	57.14%	42.86%
Mops (Mops) niangarae J.A. Allen, 1917	1	0	1	0.00%	100.00%
Mops (Mops) niveiventer Cabrera and Ruxton, 1926	209	7	202	3.35%	96.65%
Mops (Mops) trevori J.A. Allen, 1917	97	2	95	2.06%	97.94%
Mops (Xiphonycteris) Dollman, 1911	1706	5	1701	0.29%	99.71%
Mops (Xiphonycteris) bakarii Stanley, 2009	21	0	21	0.00%	100.00%
Mops (Xiphonycteris) brachypterus (Peters, 1852)	446	2	444	0.45%	99.55%
Mops (Xiphonycteris) nanulus J.A. Allen, 1917	289	1	288	0.35%	99.65%
Mops (Xiphonycteris) petersoni (El Rayah, 1981)	58	0	58	0.00%	100.00%
Mops (Xiphonycteris) spurrelli (Dollman, 1911)	241	1	240	0.41%	99.59%
Mops (Xiphonycteris) thersites (Thomas, 1903)	651	1	650	0.15%	99.85%
Mormopterus Peters, 1865	1163	0	1163	0.00%	100.00%
Mormopterus acetabulosus (Hermann, 1804)	198	0	198	0.00%	100.00%
Mormopterus acetabulosus acetabulosus (Hermann, 1804)	12	0	12	0.00%	100.00%
Mormopterus acetabulosus natalensis (A. Smith, 1847)	3	0	3	0.00%	100.00%
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008	193	0	193	0.00%	100.00%
Mormopterus jugularis (Peters, 1865)	770	0	770	0.00%	100.00%
Myopterus E. Geoffroy St.-Hilaire, 1818	68	1	67	1.47%	98.53%
Myopterus daubentonii Desmarest, 1820	18	0	18	0.00%	100.00%
Myopterus whitleyi (Scharff, 1900)	50	1	49	2.00%	98.00%
Otomops Thomas, 1913	896	7	889	0.78%	99.22%
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015	335	0	335	0.00%	100.00%
Otomops madagascariensis Dorst, 1953	105	1	104	0.95%	99.05%
Otomops martiensseni (Matschie, 1897)	446	6	440	1.35%	98.65%
Otomops martiensseni icarus Chubb, 1917	4	0	4	0.00%	100.00%
Platymops Thomas, 1906	109	1	108	0.92%	99.08%

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Platymops setiger (Peters, 1878)	109	1	108	0.92%	99.08%
Platymops setiger macmillani Thomas, 1906	41	1	40	2.44%	97.56%
Platymops setiger setiger (Peters, 1878)	48	0	48	0.00%	100.00%
Sauromys Roberts, 1917	402	100	302	24.88%	75.12%
Sauromys petrophilus (Roberts, 1917)	402	100	302	24.88%	75.12%
Sauromys petrophilus erongensis (Roberts, 1946)	6	1	5	16.67%	83.33%
Sauromys petrophilus haagneri (Roberts, 1917)	10	0	10	0.00%	100.00%
Sauromys petrophilus petrophilus (Roberts, 1917)	3	0	3	0.00%	100.00%
Sauromys petrophilus umbratus (Shortridge & Carter, 1938)	1	1	0	100.00%	0.00%
Tadarida Rafinesque, 1814	2001	165	1836	8.25%	91.75%
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)	1539	154	1385	10.01%	89.99%
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)	135	0	135	0.00%	100.00%
Tadarida aegyptiaca bocagei (Seabra, 1900)	96	0	96	0.00%	100.00%
Tadarida fulminans (Thomas, 1903)	145	6	139	4.14%	95.86%
Tadarida lobata (Thomas, 1891)	48	0	48	0.00%	100.00%
Tadarida teniotis (Rafinesque, 1814)	148	0	148	0.00%	100.00%
Tadarida ventralis (Heuglin, 1861)	62	5	57	8.06%	91.94%
VESPERTILIONOIDEA Gray, 1821	32072	4187	27885	13.06%	86.94%
CISTUGONIDAE Lack, Roehrs, Stanley, Ruedi and Van den Bussche, 2010	143	37	106	25.87%	74.13%
Cistugo Thomas, 1912	143	37	106	25.87%	74.13%
Cistugo lesueuri Roberts, 1919	98	32	66	32.65%	67.35%
Cistugo seabrae Thomas, 1912	45	5	40	11.11%	88.89%
MINIOPTERIDAE Dobson, 1875	6777	394	6383	5.81%	94.19%
Miniopterus Bonaparte, 1837	6777	394	6383	5.81%	94.19%
Miniopterus horaceki Gunnell, Eiting, and Geraads, 2011	5	0	5	0.00%	100.00%
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009	118	55	63	46.61%	53.39%
Miniopterus africanus Sanborn, 1936	280	0	280	0.00%	100.00%
Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015	17	0	17	0.00%	100.00%
Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009	30	0	30	0.00%	100.00%
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011	14	0	14	0.00%	100.00%
Miniopterus fraterculus Thomas and Schwann, 1906	324	12	312	3.70%	96.30%
Miniopterus gleni Peterson, Eger and Mitchell, 1995	78	0	78	0.00%	100.00%
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009	13	0	13	0.00%	100.00%
Miniopterus griveaudi Harrison, 1959	343	50	293	14.58%	85.42%
Miniopterus inflatus Thomas, 1903	826	15	811	1.82%	98.18%
Miniopterus inflatus inflatus Thomas, 1903	169	0	169	0.00%	100.00%
Miniopterus inflatus rufus Sanborn, 1936	264	2	262	0.76%	99.24%
Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014	16	0	16	0.00%	100.00%
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009	146	0	146	0.00%	100.00%
Miniopterus majori Thomas, 1906	132	14	118	10.61%	89.39%
Miniopterus manavi Thomas, 1906	230	3	227	1.30%	98.70%
Miniopterus minor Peters, 1867	327	0	327	0.00%	100.00%
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013	14	0	14	0.00%	100.00%
Miniopterus natalensis (A. Smith, 1833)	3145	228	2917	7.25%	92.75%
Miniopterus newtoni Bocage, 1889	1	0	1	0.00%	100.00%
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008	60	15	45	25.00%	75.00%
Miniopterus schreibersii (Kuhl, 1817)	343	0	343	0.00%	100.00%
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007	83	2	81	2.41%	97.59%
VESPERTILIONIDAE Gray, 1821	25114	3755	21359	14.95%	85.05%
Kerivoulinae Miller, 1907	245	29	216	11.84%	88.16%
Chamtwaria Butler, 1984	1	0	1	0.00%	100.00%
Chamtwaria pickfordi Butler, 1984	1	0	1	0.00%	100.00%
Kerivoula Gray, 1842	244	29	215	11.89%	88.11%
Kerivoula africana Dobson, 1878	3	1	2	33.33%	66.67%
Kerivoula argentata Tomes, 1861	75	17	58	22.67%	77.33%
Kerivoula cuprosa Thomas, 1912	5	0	5	0.00%	100.00%
Kerivoula eriophora (Heuglin, 1877)	1	0	1	0.00%	100.00%
Kerivoula lanosa (A. Smith, 1847)	95	11	84	11.58%	88.42%
Kerivoula phalaena Thomas, 1912	26	0	26	0.00%	100.00%
Kerivoula smithii Thomas, 1880	33	0	33	0.00%	100.00%
Myotinae Tate, 1942	2511	255	2256	10.16%	89.84%
Myotis Kaup, 1829	2511	255	2256	10.16%	89.84%
Myotis anjouanensis (Dorst, 1960)	16	0	16	0.00%	100.00%

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Myotis bocagii (Peters, 1870)	586	47	539	8.02%	91.98%
Myotis bocagii bocagii (Peters, 1870)	55	1	54	1.82%	98.18%
Myotis bocagii cupreolus Thomas, 1904	95	2	93	2.11%	97.89%
Myotis capaccinii (Bonaparte, 1837)	40	0	40	0.00%	100.00%
Myotis dieteri M. Happold, 2005	1	0	1	0.00%	100.00%
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)	21	0	21	0.00%	100.00%
Myotis goudoti (A. Smith, 1834)	327	86	241	26.30%	73.70%
Myotis morrisi Hill, 1971	2	0	2	0.00%	100.00%
Myotis mystacinus (Kuhl, 1817)	10	0	10	0.00%	100.00%
Myotis punicus Felten, 1977	817	0	817	0.00%	100.00%
Myotis scotti Thomas, 1927	13	0	13	0.00%	100.00%
Myotis tricolor (Temminck, 1832)	573	105	468	18.32%	81.68%
Myotis welwitschii (Gray, 1866)	83	17	66	20.48%	79.52%
Scotophilinae Van Cakenberghe and Seamark, 2008	4334	886	3448	20.44%	79.56%
Scotophilus Leach, 1821	4334	886	3448	20.44%	79.56%
Scotophilus andrewreborii Brooks and Bickham, 2014	14	0	14	0.00%	100.00%
Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803)	1	1	0	100.00%	0.00%
Scotophilus dinganii (A. Smith, 1833)	2113	469	1644	22.20%	77.80%
Scotophilus ejetai Brooks and Bickham, 2014	3	0	3	0.00%	100.00%
Scotophilus leucogaster (Cretzschmar, 1826)	883	53	830	6.00%	94.00%
Scotophilus livingstonii Brooks and Bickham, 2014	4	0	4	0.00%	100.00%
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006	13	1	12	7.69%	92.31%
Scotophilus nigrita (Schreber, 1774)	165	4	161	2.42%	97.58%
Scotophilus nucella Robbins, 1983	14	2	12	14.29%	85.71%
Scotophilus nux Thomas, 1904	132	2	130	1.52%	98.48%
Scotophilus robustus A. Milne-Edwards, 1881	21	0	21	0.00%	100.00%
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005	2	1	1	50.00%	50.00%
Scotophilus trujilloi Brooks and Bickham, 2014	5	0	5	0.00%	100.00%
Scotophilus viridis (Peters, 1852)	594	193	401	32.49%	67.51%
Vespertilioninae Gray, 1821	17958	2581	15377	14.37%	85.63%
Barbastella Gray, 1821	8	0	8	0.00%	100.00%
Barbastella barbastellus (Schreber, 1774)	7	0	7	0.00%	100.00%
Barbastella leucomelas (Cretzschmar, 1826)	1	0	1	0.00%	100.00%
Eptesicus Rafinesque, 1820	289	40	249	13.84%	86.16%
Eptesicus bottae (Peters, 1869)	4	0	4	0.00%	100.00%
Eptesicus floweri (de Winton, 1901)	12	0	12	0.00%	100.00%
Eptesicus hottentotus (A. Smith, 1833)	184	40	144	21.74%	78.26%
Eptesicus isabellinus (Temminck, 1840)	63	0	63	0.00%	100.00%
Eptesicus platyops (Thomas, 1901)	2	0	2	0.00%	100.00%
Glauconycteris Dobson, 1875	919	53	866	5.77%	94.23%
Glauconycteris alboguttata J.A. Allen, 1917	14	0	14	0.00%	100.00%
Glauconycteris argentata (Dobson, 1875)	350	13	337	3.71%	96.29%
Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017	5	0	5	0.00%	100.00%
Glauconycteris beatrix Thomas, 1901	52	0	52	0.00%	100.00%
Glauconycteris cf. beatrix Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017	5	0	5	0.00%	100.00%
Glauconycteris curryae Eger and Schlitter, 2001	12	0	12	0.00%	100.00%
Glauconycteris egeria Thomas, 1913	11	0	11	0.00%	100.00%
Glauconycteris gleni Peterson and Smith, 1973	7	0	7	0.00%	100.00%
Glauconycteris humeralis J.A. Allen, 1917	46	0	46	0.00%	100.00%
Glauconycteris kenyacola Peterson, 1982	1	0	1	0.00%	100.00%
Glauconycteris machadoi Hayman, 1963	1	1	0	100.00%	0.00%
Glauconycteris poensis (Gray, 1842)	148	4	144	2.70%	97.30%
Glauconycteris superba Hayman, 1939	14	0	14	0.00%	100.00%
Glauconycteris variegata (Tomes, 1861)	227	35	192	15.42%	84.58%
Hypsugo Kolenati, 1856	307	40	267	13.03%	86.97%
Hypsugo anchietae (Seabra, 1900)	150	25	125	16.67%	83.33%
Hypsugo ariel (Thomas, 1904)	7	0	7	0.00%	100.00%
Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015	3	0	3	0.00%	100.00%
Hypsugo cf. eisentrauti Hill, 1968	7	1	6	14.29%	85.71%
Hypsugo crassulus (Thomas, 1904)	45	1	44	2.22%	97.78%
Hypsugo eisentrauti (Hill, 1968)	26	9	17	34.62%	65.38%
Hypsugo musciculus (Thomas, 1913)	20	2	18	10.00%	90.00%
Hypsugo savii (Bonaparte, 1837)	43	2	41	4.65%	95.35%
Laephotis Thomas, 1901	128	30	98	23.44%	76.56%
Laephotis angolensis Monard, 1935	17	3	14	17.65%	82.35%
Laephotis botswanae Setzer, 1971	69	14	55	20.29%	79.71%
Laephotis namibensis Setzer, 1971	14	6	8	42.86%	57.14%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Laephotis wintoni Thomas, 1901	28	7	21	25.00%	75.00%
Mimetillus Thomas, 1904	232	5	227	2.16%	97.84%
Mimetillus moloneyi (Thomas, 1891)	210	3	207	1.43%	98.57%
Mimetillus thomasi Hinton, 1920	22	2	20	9.09%	90.91%
Neoromicia Roberts, 1926	10689	1461	9228	13.67%	86.33%
Neoromicia aff. guineensis Bocage, 1889	16	0	16	0.00%	100.00%
Neoromicia brunnea (Thomas, 1880)	77	9	68	11.69%	88.31%
Neoromicia capensis (A. Smith, 1829)	2661	641	2020	24.09%	75.91%
Neoromicia flavescens (Seabra, 1900)	22	0	22	0.00%	100.00%
Neoromicia guineensis (Bocage, 1889)	120	13	107	10.83%	89.17%
Neoromicia helios (Heller, 1912)	179	10	169	5.59%	94.41%
Neoromicia humbloti (A. Milne-Edwards, 1881)	9	0	9	0.00%	100.00%
Neoromicia isabella Decher, Hutterer and Monadjem, 2016	3	0	3	0.00%	100.00%
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995)	7	0	7	0.00%	100.00%
Neoromicia matroka (Thomas and Schwann, 1905)	76	2	74	2.63%	97.37%
Neoromicia nana (Peters, 1852)	5762	550	5212	9.55%	90.45%
Neoromicia rendalli (Thomas, 1889)	374	34	340	9.09%	90.91%
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012	4	0	4	0.00%	100.00%
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013	5	0	5	0.00%	100.00%
Neoromicia somalica (Thomas, 1901)	434	44	390	10.14%	89.86%
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017	56	36	20	64.29%	35.71%
Neoromicia tenuipinnis (Peters, 1872)	505	19	486	3.76%	96.24%
Neoromicia zuluensis (Roberts, 1924)	271	95	176	35.06%	64.94%
Neoromicia "incertae-sedis"	6	1	5	16.67%	83.33%
Nyctalus Bowdich, 1825	73	0	73	0.00%	100.00%
Nyctalus azoreum (Thomas, 1901)	21	0	21	0.00%	100.00%
Nyctalus lasiopterus (Schreber, 1780)	1	0	1	0.00%	100.00%
Nyctalus leisleri (Kuhl, 1817)	50	0	50	0.00%	100.00%
Nycticeinops Hill & Harrison, 1987	842	376	466	44.66%	55.34%
Nycticeinops schlieffenii (Peters, 1859)	842	376	466	44.66%	55.34%
Otonycteris Peters, 1859	214	1	213	0.47%	99.53%
Otonycteris hemprichii Peters, 1859	214	1	213	0.47%	99.53%
Pipistrellus Kaup, 1829	3283	549	2734	16.72%	83.28%
Pipistrellus aero Heller, 1912	7	4	3	57.14%	42.86%
Pipistrellus grandidieri (Dobson, 1876)	34	14	20	41.18%	58.82%
Pipistrellus hanaki Hulva and Benda, 2004	11	0	11	0.00%	100.00%
Pipistrellus hesperidus (Temminck, 1840)	612	109	503	17.81%	82.19%
Pipistrellus hesperidus broomi Roberts, 1948	3	0	3	0.00%	100.00%
Pipistrellus hesperidus hesperidus (Temminck, 1840)	131	5	126	3.82%	96.18%
Pipistrellus inexspectatus Aellen, 1959	23	2	21	8.70%	91.30%
Pipistrellus kuhlii (Kuhl, 1817)	1095	0	1095	0.00%	100.00%
Pipistrellus maderensis (Dobson, 1878)	6	0	6	0.00%	100.00%
Pipistrellus nanulus Thomas, 1904	146	13	133	8.90%	91.10%
Pipistrellus permixtus Aellen, 1957	1	0	1	0.00%	100.00%
Pipistrellus pipistrellus (Schreber, 1774)	47	0	47	0.00%	100.00%
Pipistrellus raceyi Bates, Ratrimomanarivo, Harrison and Goodman, 2006	1	0	1	0.00%	100.00%
Pipistrellus rueppellii (Fischer, 1829)	483	171	312	35.40%	64.60%
Pipistrellus rueppellii fuscipes Thomas, 1913	21	4	17	19.05%	80.95%
Pipistrellus rueppellii pulcher (Dobson, 1875)	1	0	1	0.00%	100.00%
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)	40	0	40	0.00%	100.00%
Pipistrellus rueppellii senegalensis Dorst, 1960	3	1	2	33.33%	66.67%
Pipistrellus rueppellii vernayi Roberts, 1932	25	2	23	8.00%	92.00%
Pipistrellus rusticus (Tomes, 1861)	634	234	400	36.91%	63.09%
Plecotus E. Geoffroy St.-Hilaire, 1818	206	2	204	0.97%	99.03%
Plecotus balensis Kruskop & Lavrenchenko, 2000	6	1	5	16.67%	83.33%
Plecotus christii Gray, 1838	61	0	61	0.00%	100.00%
Plecotus gaisleri Benda, Kiefer, Hanak & Veith, 2004	1	0	1	0.00%	100.00%
Plecotus teneriffae Barrett-Hamilton, 1907	136	1	135	0.74%	99.26%
Scotoecus Thomas, 1901	747	23	724	3.08%	96.92%
Scotoecus albigula Thomas, 1909	33	6	27	18.18%	81.82%
Scotoecus albofuscus (Thomas, 1890)	109	2	107	1.83%	98.17%
Scotoecus hindei Thomas, 1901	312	15	297	4.81%	95.19%
Scotoecus hirundo (de Winton, 1899)	270	0	270	0.00%	100.00%

Appendix 2f4: Number of specimens of the given taxa recently [in the last 20 years] collected in and outside Protected Areas

Taxon	All	In PA	Out PA	% In PA	% Out PA
CHIROPTERA Blumenbach, 1779	9304	217	9087	2.33%	97.67%
PTEROPODIFORMI Van Cakenberghe, Kearney and Seamark, 2007	4612	53	4559	1.15%	98.85%
PTEROPODIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	2712	13	2699	0.48%	99.52%
PTEROPODOIDEA Gray, 1821	2712	13	2699	0.48%	99.52%
PTEROPODIDAE Gray, 1821	2712	13	2699	0.48%	99.52%
Eidolinae Almeida, Giannini and Simmons, 2016	49	1	48	2.04%	97.96%
Eidolon Rafinesque, 1815	49	1	48	2.04%	97.96%
Eidolon dupreanum (Schegel, 1867)	11	1	10	9.09%	90.91%
Eidolon helvum (Kerr, 1792)	38	0	38	0.00%	100.00%
Pteropodinae Gray, 1821	65	0	65	0.00%	100.00%
Pteropus Erxleben, 1777	65	0	65	0.00%	100.00%
Pteropus niger (Kerr, 1792)	47	0	47	0.00%	100.00%
Pteropus rufus E. Geoffroy St.-Hilaire, 1803	13	0	13	0.00%	100.00%
Pteropus seychellensis A. Milne-Edwards, 1877	3	0	3	0.00%	100.00%
Pteropus voeltzkowi Matschie, 1909	1	0	1	0.00%	100.00%
Rousettinae Andersen, 1912	2598	12	2586	0.46%	99.54%
Casinycteris Thomas, 1910	41	0	41	0.00%	100.00%
Casinycteris argynnis Thomas, 1910	39	0	39	0.00%	100.00%
Casinycteris campomaanensis Hassanin, 2014	1	0	1	0.00%	100.00%
Casinycteris ophiodon (Pohle, 1943)	1	0	1	0.00%	100.00%
Epomophorus Bennett, 1836	488	8	480	1.64%	98.36%
Epomophorus anselli Bergmans and Van Strien, 2004	1	0	1	0.00%	100.00%
Epomophorus crypturus Peters, 1852	69	7	62	10.14%	89.86%
Epomophorus gambianus (Ogilby, 1835)	53	0	53	0.00%	100.00%
Epomophorus labiatus (Temminck, 1837)	136	1	135	0.74%	99.26%
Epomophorus minimus Claessen & De Vree, 1991	6	0	6	0.00%	100.00%
Epomophorus minor Dobson, 1880	10	0	10	0.00%	100.00%
Epomophorus wahlbergi (Sundevall, 1846)	172	0	172	0.00%	100.00%
Epomops Gray, 1866	392	0	392	0.00%	100.00%
Epomops buettikoferi (Matschie, 1899)	84	0	84	0.00%	100.00%
Epomops franqueti (Tomes, 1860)	304	0	304	0.00%	100.00%
Hypsignathus H. Allen, 1862	30	0	30	0.00%	100.00%
Hypsignathus monstrosus H. Allen, 1862	30	0	30	0.00%	100.00%
Megaloglossus Pagenstecher, 1885	251	0	251	0.00%	100.00%
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012	12	0	12	0.00%	100.00%
Megaloglossus woermanni Pagenstecher, 1885	239	0	239	0.00%	100.00%
Micropteropus Matschie, 1899	227	0	227	0.00%	100.00%
Micropteropus pusillus (Peters, 1868)	204	0	204	0.00%	100.00%
Myonycteris Matschie, 1899	586	0	586	0.00%	100.00%
Myonycteris angolensis (Bocage, 1898)	83	0	83	0.00%	100.00%
Myonycteris angolensis goliath (Bergmans, 1997)	3	0	3	0.00%	100.00%
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)	10	0	10	0.00%	100.00%
Myonycteris angolensis smithii (Thomas, 1908)	8	0	8	0.00%	100.00%
Myonycteris leptodon K. Andersen, 1908	46	0	46	0.00%	100.00%
Myonycteris relicta Bergmans, 1980	10	0	10	0.00%	100.00%
Myonycteris torquata (Dobson, 1878)	447	0	447	0.00%	100.00%
Nanonycteris Matschie, 1899	28	0	28	0.00%	100.00%
Nanonycteris veldkampii (Jentink, 1888)	28	0	28	0.00%	100.00%
Plerotes K. Andersen, 1910	1	0	1	0.00%	100.00%
Plerotes anchietae (Seabra, 1900)	1	0	1	0.00%	100.00%
Rousettus Gray, 1821	499	4	495	0.80%	99.20%
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)	392	4	388	1.02%	98.98%
Rousettus madagascariensis G. Grandidier, 1929	37	0	37	0.00%	100.00%
Rousettus obliviosus Kock, 1978	58	0	58	0.00%	100.00%
Scotonycteris Matschie, 1894	47	0	47	0.00%	100.00%
Scotonycteris bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	34	0	34	0.00%	100.00%
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	7	0	7	0.00%	100.00%
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	27	0	27	0.00%	100.00%
Scotonycteris occidentalis Hayman, 1947	3	0	3	0.00%	100.00%
Scotonycteris zenkeri Matschie, 1894	10	0	10	0.00%	100.00%
Stenonycteris Gray, 1870	8	0	8	0.00%	100.00%
Stenonycteris lanosus (Thomas, 1906)	8	0	8	0.00%	100.00%
RHINOLOPHIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	1900	40	1860	2.11%	97.89%
RHINOLOPHOIDEA J. E. Gray, 1825	1895	40	1855	2.11%	97.89%
HIPPOSIDERIDAE Lydekker, 1891	751	17	734	2.26%	97.74%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Asellia Gray, 1838	3	0	3	0.00%	100.00%
Asellia tridens (E. Geoffroy St.-Hilaire, 1813)	3	0	3	0.00%	100.00%
Doryrhina Peters, 1871	18	1	17	5.56%	94.44%
Doryrhina cyclops (Temminck, 1853)	18	1	17	5.56%	94.44%
Hipposideros Gray, 1831	614	14	600	2.28%	97.72%
Hipposideros abae J.A. Allen, 1917	5	0	5	0.00%	100.00%
Hipposideros beatus (K. Andersen, 1906)	17	0	17	0.00%	100.00%
Hipposideros caffer (Sundevall, 1846)	298	4	294	1.34%	98.66%
Hipposideros cf. centralis Andersen, 1906	9	0	9	0.00%	100.00%
Hipposideros fuliginosus (Temminck, 1853)	9	0	9	0.00%	100.00%
Hipposideros jonesi Hayman, 1947	4	0	4	0.00%	100.00%
Hipposideros ruber (Noack, 1893)	200	6	194	3.00%	97.00%
Hipposideros tephrus (Cabrera, 1906)	14	4	10	28.57%	71.43%
Macronycteris Gray, 1866	116	2	114	1.72%	98.28%
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)	61	0	61	0.00%	100.00%
Macronycteris cryptovalorona (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)	2	0	2	0.00%	100.00%
Macronycteris gigas (Wagner, 1845)	6	0	6	0.00%	100.00%
Macronycteris vittatus (Peters, 1852)	47	2	45	4.26%	95.74%
MEGADERMATIDAE H. Allen, 1864	21	0	21	0.00%	100.00%
Cardioderma Peters, 1873	4	0	4	0.00%	100.00%
Cardioderma cor (Peters, 1872)	4	0	4	0.00%	100.00%
Lavia Gray, 1838	17	0	17	0.00%	100.00%
Lavia frons (E. Geoffroy St.-Hilaire, 1810)	17	0	17	0.00%	100.00%
RHINOLOPHIDAE Gray, 1825	1004	20	984	1.99%	98.01%
Rhinolophus Lacépède, 1799	1004	20	984	1.99%	98.01%
Rhinolophus alcyone Temminck, 1853	14	0	14	0.00%	100.00%
Rhinolophus blasii Peters, 1867	63	1	62	1.59%	98.41%
Rhinolophus capensis Lichtenstein, 1823	1	0	1	0.00%	100.00%
Rhinolophus clivosus Cretzschmar, 1828	140	3	137	2.14%	97.86%
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	11	0	11	0.00%	100.00%
Rhinolophus damarensis Roberts, 1946	3	0	3	0.00%	100.00%
Rhinolophus darlingi K. Andersen, 1905	19	4	15	21.05%	78.95%
Rhinolophus deckenii Peters, 1868	45	0	45	0.00%	100.00%
Rhinolophus denti Thomas, 1904	10	0	10	0.00%	100.00%
Rhinolophus eloquens K. Andersen, 1905	51	0	51	0.00%	100.00%
Rhinolophus euryale Blasius, 1853	1	0	1	0.00%	100.00%
Rhinolophus ferrumequinum (Schreber, 1774)	1	0	1	0.00%	100.00%
Rhinolophus fumigatus Rüppell, 1842	255	1	254	0.39%	99.61%
Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018	12	0	12	0.00%	100.00%
Rhinolophus guineensis Eisentraut, 1960	4	0	4	0.00%	100.00%
Rhinolophus hildebrandtii Peters, 1878	10	5	5	50.00%	50.00%
Rhinolophus hipposideros (Bechstein, 1800)	4	0	4	0.00%	100.00%
Rhinolophus kahuzi Fahr and Kerbis Peterhans, 2013	1	0	1	0.00%	100.00%
Rhinolophus landeri Martin, 1838	27	1	26	3.70%	96.30%
Rhinolophus lobatus Peters, 1852	96	0	96	0.00%	100.00%
Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	2	0	2	0.00%	100.00%
Rhinolophus maendeleo Kock, Csorba and Howell, 2000	7	0	7	0.00%	100.00%
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	5	1	4	20.00%	80.00%
Rhinolophus rhodesiae Roberts, 1946	48	0	48	0.00%	100.00%
Rhinolophus simulator K. Andersen, 1904	48	2	46	4.17%	95.83%
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	37	1	36	2.70%	97.30%
Rhinolophus swinnyi Gough, 1908	19	1	18	5.26%	94.74%
Rhinolophus willardi Kerbis Peterhans and Fahr, 2013	4	0	4	0.00%	100.00%
RHINONYCTERIDAE J. E. Gray, 1866	119	3	116	2.52%	97.48%
Cloeotis Thomas, 1901	8	0	8	0.00%	100.00%
Cloeotis percivali Thomas, 1901	8	0	8	0.00%	100.00%
Paratriaenops Benda and Vallo, 2009	11	1	10	9.09%	90.91%
Paratriaenops furculus (Trouessart, 1907)	10	0	10	0.00%	100.00%
Paratriaenops pauliani (Goodman and Ranivo, 2008)	1	1	0	100.00%	0.00%
Triaenops Dobson, 1871	100	2	98	2.00%	98.00%
Triaenops afer Peters, 1877	66	2	64	3.03%	96.97%
Triaenops menamena Goodman and Ranivo, 2009	34	0	34	0.00%	100.00%
RHINOPOMATOIDEA Dobson, 1872	5	0	5	0.00%	100.00%
RHINOPOMATIDAE Dobson, 1872	5	0	5	0.00%	100.00%
Rhinopoma E. Geoffroy St.-Hilaire, 1818	5	0	5	0.00%	100.00%
Rhinopoma cystops Thomas, 1903	4	0	4	0.00%	100.00%
Rhinopoma microphyllum (Brünnich, 1782)	1	0	1	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
VESPERTILIONIFORMI Van Cakenberghe, Kearney and Seamark, 2007	4690	164	4526	3.50%	96.50%
NOCTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	20	0	20	0.00%	100.00%
NOCTILIONOIDEA Gray, 1821	20	0	20	0.00%	100.00%
MYZOPODIDAE Thomas, 1904	20	0	20	0.00%	100.00%
Myzopoda Milne-Edwards and A. Grandidier, 1878	20	0	20	0.00%	100.00%
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007	20	0	20	0.00%	100.00%
NYCTERIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	372	5	367	1.34%	98.66%
NYCTEROIDEA Van der Hoeven, 1855	372	5	367	1.34%	98.66%
EMBALLONURIDAE Gervais, 1855	119	2	117	1.68%	98.32%
Coleura Peters, 1867	66	0	66	0.00%	100.00%
Coleura afra (Peters, 1852)	63	0	63	0.00%	100.00%
Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	3	0	3	0.00%	100.00%
Paremballonura Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	1	1	0	100.00%	0.00%
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)	1	1	0	100.00%	0.00%
Taphozous E. Geoffroy St.-Hilaire, 1818	52	1	51	1.92%	98.08%
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818	24	1	23	4.17%	95.83%
Taphozous nudiventris Cretzschmar, 1830	13	0	13	0.00%	100.00%
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818	13	0	13	0.00%	100.00%
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818	11	0	11	0.00%	100.00%
NYCTERIDAE Van der Hoeven, 1855	253	3	250	1.19%	98.81%
Nycteris G. Cuvier and E. Geoffroy, 1795	253	3	250	1.19%	98.81%
Nycteris arge Thomas, 1903	13	0	13	0.00%	100.00%
Nycteris aurita (K. Andersen, 1912)	1	0	1	0.00%	100.00%
Nycteris cf. parisii De Beaux, 1924	1	0	1	0.00%	100.00%
Nycteris gambiensis (K. Andersen, 1912)	5	0	5	0.00%	100.00%
Nycteris grandis Peters, 1865	26	0	26	0.00%	100.00%
Nycteris hispida (Schreber, 1774)	27	0	27	0.00%	100.00%
Nycteris intermedia Aellen, 1959	1	0	1	0.00%	100.00%
Nycteris macrotis Dobson, 1876	31	0	31	0.00%	100.00%
Nycteris major (K. Andersen, 1912)	1	0	1	0.00%	100.00%
Nycteris nana (K. Andersen, 1912)	5	0	5	0.00%	100.00%
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818	107	3	104	2.80%	97.20%
VESPERTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	4298	159	4139	3.70%	96.30%
MOLOSSOIDEA Gervais, 1856	1597	16	1581	1.00%	99.00%
MOLOSSIDAE Gervais, 1856	1597	16	1581	1.00%	99.00%
Molossinae Gervais, 1856	1489	16	1473	1.07%	98.93%
Chaerephon Dobson, 1874	630	7	623	1.11%	98.89%
Chaerephon aloysiisabaudiae (Festa, 1907)	3	0	3	0.00%	100.00%
Chaerephon ansorgei (Thomas, 1913)	6	0	6	0.00%	100.00%
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010	17	0	17	0.00%	100.00%
Chaerephon chapini J.A. Allen, 1917	1	0	1	0.00%	100.00%
Chaerephon jobimena Goodman and Cardiff, 2004	1	0	1	0.00%	100.00%
Chaerephon leucogaster (A. Grandidier, 1869)	78	0	78	0.00%	100.00%
Chaerephon major (Trouessart, 1897)	1	0	1	0.00%	100.00%
Chaerephon nigeriae Thomas, 1913	8	0	8	0.00%	100.00%
Chaerephon pumilus (Cretzschmar, 1826)	385	7	378	1.82%	98.18%
Chaerephon pusillus (Miller, 1902)	103	0	103	0.00%	100.00%
Chaerephon russatus J.A. Allen, 1917	3	0	3	0.00%	100.00%
Mops Lesson, 1842	374	1	373	0.27%	99.73%
Mops (Mops) Lesson, 1842	326	1	325	0.31%	99.69%
Mops (Mops) condylurus (A. Smith, 1833)	246	1	245	0.41%	99.59%
Mops (Mops) demonstrator (Thomas, 1903)	3	0	3	0.00%	100.00%
Mops (Mops) leucostigma (G.M. Allen, 1918)	59	0	59	0.00%	100.00%
Mops (Mops) midas (Sundevall, 1843)	16	0	16	0.00%	100.00%
Mops (Mops) niveiventer Cabrera and Ruxton, 1926	1	0	1	0.00%	100.00%
Mops (Mops) trevori J.A. Allen, 1917	1	0	1	0.00%	100.00%
Mops (Xiphonycteris) Dollman, 1911	48	0	48	0.00%	100.00%
Mops (Xiphonycteris) bakarii Stanley, 2009	21	0	21	0.00%	100.00%
Mops (Xiphonycteris) brachypterus (Peters, 1852)	6	0	6	0.00%	100.00%
Mops (Xiphonycteris) nanulus J.A. Allen, 1917	5	0	5	0.00%	100.00%
Mops (Xiphonycteris) spurrelli (Dollman, 1911)	6	0	6	0.00%	100.00%
Mops (Xiphonycteris) thersites (Thomas, 1903)	10	0	10	0.00%	100.00%
Mormopterus Peters, 1865	362	0	362	0.00%	100.00%
Mormopterus acetabulosus (Hermann, 1804)	143	0	143	0.00%	100.00%
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008	156	0	156	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Mormopterus jugularis (Peters, 1865)	63	0	63	0.00%	100.00%
Myopterus E. Geoffroy St.-Hilaire, 1818	1	0	1	0.00%	100.00%
Myopterus daubentonii Desmarest, 1820	1	0	1	0.00%	100.00%
Otomops Thomas, 1913	53	0	53	0.00%	100.00%
Otomops madagascariensis Dorst, 1953	25	0	25	0.00%	100.00%
Otomops martiensseni (Matschie, 1897)	28	0	28	0.00%	100.00%
Sauromys Roberts, 1917	8	4	4	50.00%	50.00%
Sauromys petrophilus (Roberts, 1917)	8	4	4	50.00%	50.00%
Tadarida Rafinesque, 1814	61	4	57	6.56%	93.44%
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)	34	4	30	11.76%	88.24%
Tadarida fulminans (Thomas, 1903)	3	0	3	0.00%	100.00%
Tadarida lobata (Thomas, 1891)	1	0	1	0.00%	100.00%
Tadarida teniotis (Rafinesque, 1814)	19	0	19	0.00%	100.00%
Tadarida ventralis (Heuglin, 1861)	2	0	2	0.00%	100.00%
VESPERTILIONOIDEA Gray, 1821	2701	143	2558	5.29%	94.71%
CISTUGONIDAE Lack, Roehrs, Stanley, Ruedi and Van den Bussche, 2010	3	0	3	0.00%	100.00%
Cistugo Thomas, 1912	3	0	3	0.00%	100.00%
Cistugo lesueuri Roberts, 1919	3	0	3	0.00%	100.00%
MINIOPTERIDAE Dobson, 1875	939	15	924	1.60%	98.40%
Miniopterus Bonaparte, 1837	939	15	924	1.60%	98.40%
Miniopterus horaceki Gunnell, Eiting, and Geraads, 2011	5	0	5	0.00%	100.00%
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009	10	6	4	60.00%	40.00%
Miniopterus africanus Sanborn, 1936	44	0	44	0.00%	100.00%
Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015	17	0	17	0.00%	100.00%
Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009	30	0	30	0.00%	100.00%
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011	7	0	7	0.00%	100.00%
Miniopterus fraterculus Thomas and Schwann, 1906	56	3	53	5.36%	94.64%
Miniopterus gleni Peterson, Eger and Mitchell, 1995	6	0	6	0.00%	100.00%
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009	1	0	1	0.00%	100.00%
Miniopterus griveaudi Harrison, 1959	169	0	169	0.00%	100.00%
Miniopterus inflatus Thomas, 1903	106	0	106	0.00%	100.00%
Miniopterus inflatus inflatus Thomas, 1903	4	0	4	0.00%	100.00%
Miniopterus inflatus rufus Sanborn, 1936	31	0	31	0.00%	100.00%
Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014	16	0	16	0.00%	100.00%
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009	97	0	97	0.00%	100.00%
Miniopterus majori Thomas, 1906	3	0	3	0.00%	100.00%
Miniopterus manavi Thomas, 1906	3	0	3	0.00%	100.00%
Miniopterus minor Peters, 1867	53	0	53	0.00%	100.00%
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013	5	0	5	0.00%	100.00%
Miniopterus natalensis (A. Smith, 1833)	244	6	238	2.46%	97.54%
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008	1	0	1	0.00%	100.00%
Miniopterus schreibersii (Kuhl, 1817)	16	0	16	0.00%	100.00%
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007	31	0	31	0.00%	100.00%
VESPERTILIONIDAE Gray, 1821	1739	128	1611	7.36%	92.64%
Kerivoulinae Miller, 1907	21	0	21	0.00%	100.00%
Kerivoula Gray, 1842	21	0	21	0.00%	100.00%
Kerivoula argentata Tomes, 1861	6	0	6	0.00%	100.00%
Kerivoula cuprosa Thomas, 1912	1	0	1	0.00%	100.00%
Kerivoula lanosa (A. Smith, 1847)	5	0	5	0.00%	100.00%
Kerivoula phalaena Thomas, 1912	3	0	3	0.00%	100.00%
Kerivoula smithii Thomas, 1880	6	0	6	0.00%	100.00%
Myotinae Tate, 1942	120	9	111	7.50%	92.50%
Myotis Kaup, 1829	120	9	111	7.50%	92.50%
Myotis anjouanensis (Dorst, 1960)	1	0	1	0.00%	100.00%
Myotis bocagii (Peters, 1870)	47	6	41	12.77%	87.23%
Myotis goudoti (A. Smith, 1834)	19	0	19	0.00%	100.00%
Myotis mystacinus (Kuhl, 1817)	1	0	1	0.00%	100.00%
Myotis punicus Felten, 1977	2	0	2	0.00%	100.00%
Myotis tricolor (Temminck, 1832)	35	2	33	5.71%	94.29%
Myotis welwitschii (Gray, 1866)	8	1	7	12.50%	87.50%
Scotophilinae Van Cakenberghe and Seamark, 2008	282	36	246	12.77%	87.23%
Scotophilus Leach, 1821	282	36	246	12.77%	87.23%
Scotophilus dinganii (A. Smith, 1833)	121	19	102	15.70%	84.30%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Scotophilus ejetai Brooks and Bickham, 2014	2	0	2	0.00%	100.00%
Scotophilus leucogaster (Cretzschmar, 1826)	33	4	29	12.12%	87.88%
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006	3	0	3	0.00%	100.00%
Scotophilus nigrita (Schreber, 1774)	3	0	3	0.00%	100.00%
Scotophilus nucella Robbins, 1983	2	2	0	100.00%	0.00%
Scotophilus nux Thomas, 1904	5	2	3	40.00%	60.00%
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005	1	1	0	100.00%	0.00%
Scotophilus viridis (Peters, 1852)	61	7	54	11.48%	88.52%
Vespertilioninae Gray, 1821	1314	82	1232	6.24%	93.76%
Barbastella Gray, 1821	1	0	1	0.00%	100.00%
Barbastella barbastellus (Schreber, 1774)	1	0	1	0.00%	100.00%
Eptesicus Rafinesque, 1820	15	2	13	13.33%	86.67%
Eptesicus hottentotus (A. Smith, 1833)	13	2	11	15.38%	84.62%
Eptesicus isabellinus (Temminck, 1840)	2	0	2	0.00%	100.00%
Glauconycteris Dobson, 1875	107	0	107	0.00%	100.00%
Glauconycteris alboguttata J.A. Allen, 1917	1	0	1	0.00%	100.00%
Glauconycteris argentata (Dobson, 1875)	5	0	5	0.00%	100.00%
Glauconycteris beatrix Thomas, 1901	7	0	7	0.00%	100.00%
Glauconycteris curryae Eger and Schlitter, 2001	1	0	1	0.00%	100.00%
Glauconycteris gleni Peterson and Smith, 1973	6	0	6	0.00%	100.00%
Glauconycteris humeralis J.A. Allen, 1917	12	0	12	0.00%	100.00%
Glauconycteris poensis (Gray, 1842)	17	0	17	0.00%	100.00%
Glauconycteris superba Hayman, 1939	11	0	11	0.00%	100.00%
Glauconycteris variegata (Tomes, 1861)	39	0	39	0.00%	100.00%
Hypsugo Kolenati, 1856	41	6	35	14.63%	85.37%
Hypsugo anchietae (Seabra, 1900)	20	6	14	30.00%	70.00%
Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015	3	0	3	0.00%	100.00%
Hypsugo cf. eisentrauti Hill, 1968	1	0	1	0.00%	100.00%
Hypsugo crassulus (Thomas, 1904)	13	0	13	0.00%	100.00%
Laephotis Thomas, 1901	4	0	4	0.00%	100.00%
Laephotis botswanae Setzer, 1971	1	0	1	0.00%	100.00%
Laephotis wintoni Thomas, 1901	3	0	3	0.00%	100.00%
Mimetillus Thomas, 1904	9	0	9	0.00%	100.00%
Mimetillus moloneyi (Thomas, 1891)	9	0	9	0.00%	100.00%
Neoromicia Roberts, 1926	747	36	711	4.82%	95.18%
Neoromicia aff. guineensis Bocage, 1889	16	0	16	0.00%	100.00%
Neoromicia brunnea (Thomas, 1880)	8	0	8	0.00%	100.00%
Neoromicia capensis (A. Smith, 1829)	190	14	176	7.37%	92.63%
Neoromicia guineensis (Bocage, 1889)	27	0	27	0.00%	100.00%
Neoromicia helios (Heller, 1912)	6	0	6	0.00%	100.00%
Neoromicia isabella Decher, Hutterer and Monadjem, 2016	2	0	2	0.00%	100.00%
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995)	2	0	2	0.00%	100.00%
Neoromicia matroka (Thomas and Schwann, 1905)	1	0	1	0.00%	100.00%
Neoromicia nana (Peters, 1852)	277	13	264	4.69%	95.31%
Neoromicia rendalli (Thomas, 1889)	8	0	8	0.00%	100.00%
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012	1	0	1	0.00%	100.00%
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013	4	0	4	0.00%	100.00%
Neoromicia somalica (Thomas, 1901)	115	0	115	0.00%	100.00%
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017	3	0	3	0.00%	100.00%
Neoromicia tenuipinnis (Peters, 1872)	14	0	14	0.00%	100.00%
Neoromicia zuluensis (Roberts, 1924)	30	9	21	30.00%	70.00%
Nyctalus Bowdich, 1825	8	0	8	0.00%	100.00%
Nyctalus leisleri (Kuhl, 1817)	8	0	8	0.00%	100.00%
Nycticeinops Hill & Harrison, 1987	71	12	59	16.90%	83.10%
Nycticeinops schlieffenii (Peters, 1859)	71	12	59	16.90%	83.10%
Otonycteris Peters, 1859	8	1	7	12.50%	87.50%
Otonycteris hemprichii Peters, 1859	8	1	7	12.50%	87.50%
Pipistrellus Kaup, 1829	234	23	211	9.83%	90.17%
Pipistrellus grandidieri (Dobson, 1876)	10	6	4	60.00%	40.00%
Pipistrellus hanaki Hulva and Benda, 2004	11	0	11	0.00%	100.00%
Pipistrellus hesperidus (Temminck, 1840)	120	9	111	7.50%	92.50%
Pipistrellus hesperidus hesperidus (Temminck, 1840)	14	0	14	0.00%	100.00%
Pipistrellus inexspectatus Aellen, 1959	4	0	4	0.00%	100.00%
Pipistrellus kuhlii (Kuhl, 1817)	4	0	4	0.00%	100.00%
Pipistrellus maderensis (Dobson, 1878)	1	0	1	0.00%	100.00%
Pipistrellus nanulus Thomas, 1904	18	0	18	0.00%	100.00%
Pipistrellus pipistrellus (Schreber, 1774)	8	0	8	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Pipistrellus raceyi Bates, Ratrimomanarivo, Harrison and Goodman, 2006	1	0	1	0.00%	100.00%
Pipistrellus rueppellii (Fischer, 1829)	11	2	9	18.18%	81.82%
Pipistrellus rusticus (Tomes, 1861)	24	6	18	25.00%	75.00%
Plecotus E. Geoffroy St.-Hilaire, 1818	26	0	26	0.00%	100.00%
Plecotus balensis Kruskop & Lavrenchenko, 2000	5	0	5	0.00%	100.00%
Plecotus christii Gray, 1838	13	0	13	0.00%	100.00%
Plecotus teneriffae Barrett-Hamilton, 1907	8	0	8	0.00%	100.00%
Scotoecus Thomas, 1901	43	2	41	4.65%	95.35%
Scotoecus albofuscus (Thomas, 1890)	1	0	1	0.00%	100.00%
Scotoecus hindei Thomas, 1901	13	2	11	15.38%	84.62%
Scotoecus hirundo (de Winton, 1899)	6	0	6	0.00%	100.00%

Appendix 2f5: Number of localities in which the given taxa was collected in and outside Protected Areas

Taxon	All	In PA	Out PA	% In PA	% Out PA
CHIROPTERA Blumenbach, 1779	12108	1600	10508	13.21%	86.79%
PTEROPODIFORMI Van Cakenberghe, Kearney and Seamark, 2007	6296	639	5657	10.15%	89.85%
PTEROPODIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	3531	289	3242	8.18%	91.82%
PTEROPODOIDEA Gray, 1821	3531	289	3242	8.18%	91.82%
PTEROPODIDAE Gray, 1821	3531	289	3242	8.18%	91.82%
Eidolinae Almeida, Giannini and Simmons, 2016	480	14	466	2.92%	97.08%
Eidolon Rafinesque, 1815	480	14	466	2.92%	97.08%
Eidolon dupreanum (Schegel, 1867)	37	0	37	0.00%	100.00%
Eidolon helvum (Kerr, 1792)	446	14	432	3.14%	96.86%
Eidolon helvum helvum (Kerr, 1792)	71	0	71	0.00%	100.00%
Pteropodinae Gray, 1821	128	1	127	0.78%	99.22%
Pteropus Erxleben, 1777	128	1	127	0.78%	99.22%
Pteropus aldabrensis True, 1893	7	0	7	0.00%	100.00%
Pteropus livingstonii Gray, 1866	8	0	8	0.00%	100.00%
Pteropus niger (Kerr, 1792)	10	0	10	0.00%	100.00%
Pteropus rodricensis Dobson, 1878	5	0	5	0.00%	100.00%
Pteropus rufus E. Geoffroy St.-Hilaire, 1803	63	1	62	1.59%	98.41%
Pteropus seychellensis A. Milne-Edwards, 1877	28	0	28	0.00%	100.00%
Pteropus subniger (Kerr, 1792)	5	0	5	0.00%	100.00%
Pteropus voeltzkowi Matschie, 1909	14	0	14	0.00%	100.00%
Rousettinae Andersen, 1912	3166	278	2888	8.78%	91.22%
Casinycteris Thomas, 1910	35	0	35	0.00%	100.00%
Casinycteris argynnis Thomas, 1910	26	0	26	0.00%	100.00%
Casinycteris ophiodon (Pohle, 1943)	9	0	9	0.00%	100.00%
Epomophorus Bennett, 1836	1725	194	1531	11.25%	88.75%
Epomophorus angolensis Gray, 1870	39	0	39	0.00%	100.00%
Epomophorus anselli Bergmans and Van Strien, 2004	3	2	1	66.67%	33.33%
Epomophorus crypturus Peters, 1852	270	57	213	21.11%	78.89%
Epomophorus dobsonii Bocage, 1889	55	11	44	20.00%	80.00%
Epomophorus gambianus (Ogilby, 1835)	336	13	323	3.87%	96.13%
Epomophorus gambianus gambianus (Ogilby, 1835)	41	0	41	0.00%	100.00%
Epomophorus gambianus pousarguesi Trouessart, 1904	2	0	2	0.00%	100.00%
Epomophorus grandis (Sanborn, 1950)	4	0	4	0.00%	100.00%
Epomophorus labiatus (Temminck, 1837)	452	41	411	9.07%	90.93%
Epomophorus minimus Claessen & De Vree, 1991	44	14	30	31.82%	68.18%
Epomophorus minor Dobson, 1880	99	3	96	3.03%	96.97%
Epomophorus wahlbergi (Sundevall, 1846)	600	70	530	11.67%	88.33%
Epomops Gray, 1866	521	14	507	2.69%	97.31%
Epomops buettikoferi (Matschie, 1899)	80	5	75	6.25%	93.75%
Epomops franqueti (Tomes, 1860)	455	9	446	1.98%	98.02%
Hypsignathus H. Allen, 1862	209	4	205	1.91%	98.09%
Hypsignathus monstrosus H. Allen, 1862	209	4	205	1.91%	98.09%
Megaloglossus Pagenstecher, 1885	195	7	188	3.59%	96.41%
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012	61	2	59	3.28%	96.72%
Megaloglossus woermanni Pagenstecher, 1885	134	5	129	3.73%	96.27%
Micropteropus Matschie, 1899	438	18	420	4.11%	95.89%
Micropteropus intermedius Hayman, 1963	4	1	3	25.00%	75.00%
Micropteropus pusillus (Peters, 1868)	436	17	419	3.90%	96.10%
Myonycteris Matschie, 1899	481	19	462	3.95%	96.05%
Myonycteris angolensis (Bocage, 1898)	329	14	315	4.26%	95.74%
Myonycteris angolensis angolensis (Bocage, 1898)	12	0	12	0.00%	100.00%
Myonycteris angolensis goliath (Bergmans, 1997)	8	3	5	37.50%	62.50%
Myonycteris angolensis petraea (Bergmans, 1997)	7	0	7	0.00%	100.00%
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)	57	1	56	1.75%	98.25%
Myonycteris angolensis smithii (Thomas, 1908)	36	0	36	0.00%	100.00%
Myonycteris brachycephala (Bocage, 1889)	2	0	2	0.00%	100.00%
Myonycteris leptodon K. Andersen, 1908	58	0	58	0.00%	100.00%
Myonycteris relicta Bergmans, 1980	13	2	11	15.38%	84.62%
Myonycteris torquata (Dobson, 1878)	107	3	104	2.80%	97.20%
Myonycteris torquata torquata (Dobson, 1878)	10	0	10	0.00%	100.00%
Myonycteris torquata wroughtoni K. Andersen, 1908	3	0	3	0.00%	100.00%
Nanonycteris Matschie, 1899	111	3	108	2.70%	97.30%
Nanonycteris veldkampii (Jentink, 1888)	111	3	108	2.70%	97.30%
Plerotes K. Andersen, 1910	8	2	6	25.00%	75.00%
Plerotes anchietae (Seabra, 1900)	8	2	6	25.00%	75.00%
Rousettus Gray, 1821	539	44	495	8.16%	91.84%
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)	460	44	416	9.57%	90.43%
Rousettus madagascariensis G. Grandidier, 1929	52	0	52	0.00%	100.00%
Rousettus obliviosus Kock, 1978	19	0	19	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Scotonycteris Matschie, 1894	95	4	91	4.21%	95.79%
Scotonycteris bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	24	2	22	8.33%	91.67%
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	12	1	11	8.33%	91.67%
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	12	1	11	8.33%	91.67%
Scotonycteris occidentalis Hayman, 1947	36	0	36	0.00%	100.00%
Scotonycteris zenkeri Matschie, 1894	36	2	34	5.56%	94.44%
Stenonycteris Gray, 1870	84	3	81	3.57%	96.43%
Stenonycteris lanosus (Thomas, 1906)	84	3	81	3.57%	96.43%
RHINOLOPHIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	3604	406	3198	11.27%	88.73%
RHINOLOPHOIDEA J. E. Gray, 1825	3527	400	3127	11.34%	88.66%
HIPPOSIDERIDAE Lydekker, 1891	1669	164	1505	9.83%	90.17%
Asellia Gray, 1838	121	1	120	0.83%	99.17%
Asellia italosomalica de Beaux, 1931	1	0	1	0.00%	100.00%
Asellia patrizii de Beaux, 1931	3	0	3	0.00%	100.00%
Asellia tridens (E. Geoffroy St.-Hilaire, 1813)	118	1	117	0.85%	99.15%
Doryrhina Peters, 1871	162	6	156	3.70%	96.30%
Doryrhina cyclops (Temminck, 1853)	162	6	156	3.70%	96.30%
Hipposideros Gray, 1831	1228	133	1095	10.83%	89.17%
Hipposideros besaoka Samonds, 2007	1	0	1	0.00%	100.00%
Hipposideros abae J.A. Allen, 1917	44	4	40	9.09%	90.91%
Hipposideros beatus (K. Andersen, 1906)	76	3	73	3.95%	96.05%
Hipposideros caffer (Sundevall, 1846)	699	102	597	14.59%	85.41%
Hipposideros camerunensis Eisentraut, 1956	7	0	7	0.00%	100.00%
Hipposideros curtus G.M. Allen, 1921	9	0	9	0.00%	100.00%
Hipposideros fuliginosus (Temminck, 1853)	41	3	38	7.32%	92.68%
Hipposideros jonesi Hayman, 1947	27	0	27	0.00%	100.00%
Hipposideros lamottei Brosset, 1985	6	1	5	16.67%	83.33%
Hipposideros marisae Aellen, 1954	4	0	4	0.00%	100.00%
Hipposideros megalotis (Heuglin, 1861)	13	0	13	0.00%	100.00%
Hipposideros ruber (Noack, 1893)	479	28	451	5.85%	94.15%
Hipposideros tephrus (Cabrera, 1906)	66	2	64	3.03%	96.97%
Macronycteris Gray, 1866	358	31	327	8.66%	91.34%
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)	81	0	81	0.00%	100.00%
Macronycteris gigas (Wagner, 1845)	65	3	62	4.62%	95.38%
Macronycteris vittatus (Peters, 1852)	224	28	196	12.50%	87.50%
MEGADERMATIDAE H. Allen, 1864	453	31	422	6.84%	93.16%
Cardioderma Peters, 1873	114	2	112	1.75%	98.25%
Cardioderma cor (Peters, 1872)	114	2	112	1.75%	98.25%
Lavia Gray, 1838	360	29	331	8.06%	91.94%
Lavia frons (E. Geoffroy St.-Hilaire, 1810)	360	29	331	8.06%	91.94%
RHINOLOPHIDAE Gray, 1825	1835	238	1597	12.97%	87.03%
Rhinolophus Lacépède, 1799	1835	238	1597	12.97%	87.03%
Rhinolophus adami Aellen and Brosset, 1968	4	0	4	0.00%	100.00%
Rhinolophus alcyone Temminck, 1853	63	0	63	0.00%	100.00%
Rhinolophus blasii Peters, 1867	81	14	67	17.28%	82.72%
Rhinolophus capensis Lichtenstein, 1823	50	12	38	24.00%	76.00%
Rhinolophus clivosus Cretzschmar, 1828	476	61	415	12.82%	87.18%
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	3	1	2	33.33%	66.67%
Rhinolophus damarensis Roberts, 1946	50	5	45	10.00%	90.00%
Rhinolophus darlingi K. Andersen, 1905	162	46	116	28.40%	71.60%
Rhinolophus deckenii Peters, 1868	28	0	28	0.00%	100.00%
Rhinolophus denti Thomas, 1904	41	4	37	9.76%	90.24%
Rhinolophus eloquens K. Andersen, 1905	123	2	121	1.63%	98.37%
Rhinolophus euryale Blasius, 1853	20	0	20	0.00%	100.00%
Rhinolophus ferrumequinum (Schreber, 1774)	36	0	36	0.00%	100.00%
Rhinolophus fumigatus Rüppell, 1842	236	31	205	13.14%	86.86%
Rhinolophus guineensis Eisentraut, 1960	12	0	12	0.00%	100.00%
Rhinolophus hildebrandtii Peters, 1878	106	15	91	14.15%	85.85%
Rhinolophus hilli Aellen, 1973	2	0	2	0.00%	100.00%
Rhinolophus hillorum Koopman, 1989	8	0	8	0.00%	100.00%
Rhinolophus hipposideros (Bechstein, 1800)	40	0	40	0.00%	100.00%
Rhinolophus landeri Martin, 1838	85	4	81	4.71%	95.29%
Rhinolophus lobatus Peters, 1852	160	28	132	17.50%	82.50%
Rhinolophus maclaudi Pousargues, 1898	4	0	4	0.00%	100.00%
Rhinolophus maendeleo Kock, Csorba and Howell, 2000	2	0	2	0.00%	100.00%
Rhinolophus mehelyi Matschie, 1901	44	0	44	0.00%	100.00%
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	1	0	1	0.00%	100.00%
Rhinolophus rhodesiae Roberts, 1946	68	10	58	14.71%	85.29%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Rhinolophus ruwenzorii J. Eric Hill, 1942	14	0	14	0.00%	100.00%
Rhinolophus sakejiensis Cotterill, 2002	1	0	1	0.00%	100.00%
Rhinolophus silvestris Aellen, 1959	4	0	4	0.00%	100.00%
Rhinolophus simulator K. Andersen, 1904	169	26	143	15.38%	84.62%
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	190	41	149	21.58%	78.42%
Rhinolophus swinnyi Gough, 1908	13	3	10	23.08%	76.92%
Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002	2	0	2	0.00%	100.00%
RHINONYCTERIDAE J. E. Gray, 1866	169	9	160	5.33%	94.67%
Cloeotis Thomas, 1901	48	6	42	12.50%	87.50%
Cloeotis percivali Thomas, 1901	48	6	42	12.50%	87.50%
Paratriaenops Benda and Vallo, 2009	15	2	13	13.33%	86.67%
Paratriaenops auritus (G. Grandidier, 1912)	2	0	2	0.00%	100.00%
Paratriaenops furculus (Trouessart, 1907)	11	0	11	0.00%	100.00%
Paratriaenops pauliani (Goodman and Ranivo, 2008)	2	2	0	100.00%	0.00%
Triaenops Dobson, 1871	110	1	109	0.91%	99.09%
Triaenops goodmani Samonds, 2007	2	0	2	0.00%	100.00%
Triaenops afer Peters, 1877	92	0	92	0.00%	100.00%
Triaenops menamena Goodman and Ranivo, 2009	13	0	13	0.00%	100.00%
RHINOPOMATOIDEA Dobson, 1872	118	6	112	5.08%	94.92%
RHINOPOMATIDAE Dobson, 1872	118	6	112	5.08%	94.92%
Rhinopoma E. Geoffroy St.-Hilaire, 1818	118	6	112	5.08%	94.92%
Rhinopoma cystops Thomas, 1903	84	4	80	4.76%	95.24%
Rhinopoma macinnesi Hayman, 1937	18	2	16	11.11%	88.89%
Rhinopoma microphyllum (Brünnich, 1782)	43	1	42	2.33%	97.67%
VESPERTILIONIFORMI Van Cakenberghe, Kearney and Seamark, 2007	8270	1249	7021	15.10%	84.90%
NOCTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	20	0	20	0.00%	100.00%
NOCTILIONOIDEA Gray, 1821	20	0	20	0.00%	100.00%
MYZOPODIDAE Thomas, 1904	20	0	20	0.00%	100.00%
Myzopoda Milne-Edwards and A. Grandidier, 1878	20	0	20	0.00%	100.00%
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878	19	0	19	0.00%	100.00%
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007	2	0	2	0.00%	100.00%
NYCTERIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	2539	403	2136	15.87%	84.13%
NYCTEROIDEA Van der Hoeven, 1855	2539	403	2136	15.87%	84.13%
EMBALLONURIDAE Gervais, 1855	722	74	648	10.25%	89.75%
Coleura Peters, 1867	130	3	127	2.31%	97.69%
Coleura afra (Peters, 1852)	119	3	116	2.52%	97.48%
Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	1	0	1	0.00%	100.00%
Coleura seychellensis Peters, 1868	10	0	10	0.00%	100.00%
Paremballonura Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	44	5	39	11.36%	88.64%
Paremballonura atrata (Peters, 1874)	28	0	28	0.00%	100.00%
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)	17	5	12	29.41%	70.59%
Saccolaimus Temminck, 1838	60	3	57	5.00%	95.00%
Saccolaimus peli (Temminck, 1853)	60	3	57	5.00%	95.00%
Taphozous E. Geoffroy St.-Hilaire, 1818	540	63	477	11.67%	88.33%
Taphozous incognita (Butler & Hopwood, 1957)	1	0	1	0.00%	100.00%
Taphozous hamiltoni Thomas, 1920	16	0	16	0.00%	100.00%
Taphozous hildegardeae Thomas, 1909	26	0	26	0.00%	100.00%
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818	347	56	291	16.14%	83.86%
Taphozous nudiventris Cretzschmar, 1830	62	0	62	0.00%	100.00%
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818	125	7	118	5.60%	94.40%
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818	48	0	48	0.00%	100.00%
Taphozous perforatus sudani Thomas, 1915	11	0	11	0.00%	100.00%
NYCTERIDAE Van der Hoeven, 1855	2006	349	1657	17.40%	82.60%
Nycteris G. Cuvier and E. Geoffroy, 1795	2006	349	1657	17.40%	82.60%
Nycteris arge Thomas, 1903	159	24	135	15.09%	84.91%
Nycteris aurita (K. Andersen, 1912)	30	0	30	0.00%	100.00%
Nycteris gambiensis (K. Andersen, 1912)	72	8	64	11.11%	88.89%
Nycteris grandis Peters, 1865	145	21	124	14.48%	85.52%
Nycteris hispida (Schreber, 1774)	537	77	460	14.34%	85.66%
Nycteris intermedia Aellen, 1959	22	5	17	22.73%	77.27%
Nycteris macrotis Dobson, 1876	349	41	308	11.75%	88.25%
Nycteris madagascariensis G. Grandidier, 1937	2	2	0	100.00%	0.00%
Nycteris major (K. Andersen, 1912)	9	2	7	22.22%	77.78%
Nycteris nana (K. Andersen, 1912)	66	18	48	27.27%	72.73%
Nycteris parisii (de Beaux, 1924)	6	2	4	33.33%	66.67%
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818	971	188	783	19.36%	80.64%
Nycteris vinsoni Dalquest, 1965	1	0	1	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Nycteris woodi K. Andersen, 1914	41	9	32	21.95%	78.05%
VESPERTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	6735	992	5743	14.73%	85.27%
MOLOSSOIDEA Gervais, 1856	2384	279	2105	11.70%	88.30%
MOLOSSIDAE Gervais, 1856	2384	279	2105	11.70%	88.30%
Molossinae Gervais, 1856	2369	277	2092	11.69%	88.31%
Chaerephon Dobson, 1874	1280	143	1137	11.17%	88.83%
Chaerephon aloysiisabaudiae (Festa, 1907)	14	1	13	7.14%	92.86%
Chaerephon ansorgei (Thomas, 1913)	87	19	68	21.84%	78.16%
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010	43	0	43	0.00%	100.00%
Chaerephon bemmeleni (Jentink, 1879)	21	0	21	0.00%	100.00%
Chaerephon bivittatus (Heuglin, 1861)	75	5	70	6.67%	93.33%
Chaerephon chapini J.A. Allen, 1917	32	8	24	25.00%	75.00%
Chaerephon gallagheri (Harrison, 1975)	1	0	1	0.00%	100.00%
Chaerephon jobimena Goodman and Cardiff, 2004	2	0	2	0.00%	100.00%
Chaerephon leucogaster (A. Grandidier, 1869)	63	2	61	3.17%	96.83%
Chaerephon major (Trouessart, 1897)	59	5	54	8.47%	91.53%
Chaerephon nigeriae Thomas, 1913	96	15	81	15.63%	84.38%
Chaerephon nigeriae nigeriae Thomas, 1913	7	0	7	0.00%	100.00%
Chaerephon nigeriae spillmanni (Monard, 1933)	14	0	14	0.00%	100.00%
Chaerephon pumilus (Cretzschmar, 1826)	901	107	794	11.88%	88.12%
Chaerephon pusillus (Miller, 1902)	10	0	10	0.00%	100.00%
Chaerephon russatus J.A. Allen, 1917	9	0	9	0.00%	100.00%
Chaerephon tomensis (Juste and Ibáñez, 1993)	2	0	2	0.00%	100.00%
Mops Lesson, 1842	772	97	675	12.56%	87.44%
Mops rusingae (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)	1	0	1	0.00%	100.00%
Mops (Mops) Lesson, 1842	633	95	538	15.01%	84.99%
Mops (Mops) condylurus (A. Smith, 1833)	459	67	392	14.60%	85.40%
Mops (Mops) congicus J.A. Allen, 1917	13	0	13	0.00%	100.00%
Mops (Mops) demonstrator (Thomas, 1903)	32	4	28	12.50%	87.50%
Mops (Mops) leucostigma (G.M. Allen, 1918)	16	0	16	0.00%	100.00%
Mops (Mops) midas (Sundevall, 1843)	98	23	75	23.47%	76.53%
Mops (Mops) midas miarensis (A. Grandidier, 1869)	4	0	4	0.00%	100.00%
Mops (Mops) midas midas (Sundevall, 1843)	5	2	3	40.00%	60.00%
Mops (Mops) niangarae J.A. Allen, 1917	1	0	1	0.00%	100.00%
Mops (Mops) niveiventer Cabrera and Ruxton, 1926	50	4	46	8.00%	92.00%
Mops (Mops) trevori J.A. Allen, 1917	12	2	10	16.67%	83.33%
Mops (Xiphonycteris) Dollman, 1911	178	4	174	2.25%	97.75%
Mops (Xiphonycteris) brachypterus (Peters, 1852)	58	1	57	1.72%	98.28%
Mops (Xiphonycteris) nanulus J.A. Allen, 1917	63	1	62	1.59%	98.41%
Mops (Xiphonycteris) petersoni (El Rayah, 1981)	11	0	11	0.00%	100.00%
Mops (Xiphonycteris) spurrelli (Dollman, 1911)	35	1	34	2.86%	97.14%
Mops (Xiphonycteris) thersites (Thomas, 1903)	84	1	83	1.19%	98.81%
Mormopterus Peters, 1865	72	0	72	0.00%	100.00%
Mormopterus acetabulosus (Hermann, 1804)	12	0	12	0.00%	100.00%
Mormopterus acetabulosus acetabulosus (Hermann, 1804)	2	0	2	0.00%	100.00%
Mormopterus acetabulosus natalensis (A. Smith, 1847)	1	0	1	0.00%	100.00%
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008	7	0	7	0.00%	100.00%
Mormopterus jugularis (Peters, 1865)	54	0	54	0.00%	100.00%
Myopterus E. Geoffroy St.-Hilaire, 1818	29	1	28	3.45%	96.55%
Myopterus daubentonii Desmarest, 1820	8	0	8	0.00%	100.00%
Myopterus whitleyi (Scharff, 1900)	21	1	20	4.76%	95.24%
Otomops Thomas, 1913	99	7	92	7.07%	92.93%
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015	24	0	24	0.00%	100.00%
Otomops madagascariensis Dorst, 1953	16	1	15	6.25%	93.75%
Otomops martiensseni (Matschie, 1897)	58	6	52	10.34%	89.66%
Otomops martiensseni icarus Chubb, 1917	4	0	4	0.00%	100.00%
Platymops Thomas, 1906	40	1	39	2.50%	97.50%
Platymops setiger (Peters, 1878)	40	1	39	2.50%	97.50%
Platymops setiger macmillani Thomas, 1906	13	1	12	7.69%	92.31%
Platymops setiger setiger (Peters, 1878)	18	0	18	0.00%	100.00%
Sauromys Roberts, 1917	106	26	80	24.53%	75.47%
Sauromys petrophilus (Roberts, 1917)	106	26	80	24.53%	75.47%
Sauromys petrophilus erongensis (Roberts, 1946)	4	1	3	25.00%	75.00%
Sauromys petrophilus haagneri (Roberts, 1917)	2	0	2	0.00%	100.00%
Sauromys petrophilus petrophilus (Roberts, 1917)	2	0	2	0.00%	100.00%
Sauromys petrophilus umbratus (Shortridge & Carter, 1938)	1	1	0	100.00%	0.00%
Tadarida Rafinesque, 1814	464	56	408	12.07%	87.93%
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)	370	48	322	12.97%	87.03%
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818)	20	0	20	0.00%	100.00%
Tadarida aegyptiaca bocagei (Seabra, 1900)	24	0	24	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Tadarida fulminans (Thomas, 1903)	38	6	32	15.79%	84.21%
Tadarida lobata (Thomas, 1891)	15	0	15	0.00%	100.00%
Tadarida teniotis (Rafinesque, 1814)	16	0	16	0.00%	100.00%
Tadarida ventralis (Heuglin, 1861)	30	3	27	10.00%	90.00%
VESPERTILIONOIDEA Gray, 1821	5205	839	4366	16.12%	83.88%
CISTUGONIDAE Lack, Roehrs, Stanley, Ruedi and Van den Bussche, 2010	43	12	31	27.91%	72.09%
Cistugo Thomas, 1912	43	12	31	27.91%	72.09%
Cistugo lesueuri Roberts, 1919	24	7	17	29.17%	70.83%
Cistugo seabrae Thomas, 1912	19	5	14	26.32%	73.68%
MINIOPTERIDAE Dobson, 1875	897	106	791	11.82%	88.18%
Miniopterus Bonaparte, 1837	897	106	791	11.82%	88.18%
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009	28	13	15	46.43%	53.57%
Miniopterus africanus Sanborn, 1936	27	0	27	0.00%	100.00%
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011	4	0	4	0.00%	100.00%
Miniopterus fraterculus Thomas and Schwann, 1906	83	5	78	6.02%	93.98%
Miniopterus gleni Peterson, Eger and Mitchell, 1995	13	0	13	0.00%	100.00%
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009	4	0	4	0.00%	100.00%
Miniopterus griveaudi Harrison, 1959	41	12	29	29.27%	70.73%
Miniopterus inflatus Thomas, 1903	129	3	126	2.33%	97.67%
Miniopterus inflatus inflatus Thomas, 1903	38	0	38	0.00%	100.00%
Miniopterus inflatus rufus Sanborn, 1936	26	2	24	7.69%	92.31%
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009	5	0	5	0.00%	100.00%
Miniopterus majori Thomas, 1906	27	2	25	7.41%	92.59%
Miniopterus manavi Thomas, 1906	37	3	34	8.11%	91.89%
Miniopterus minor Peters, 1867	54	0	54	0.00%	100.00%
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013	5	0	5	0.00%	100.00%
Miniopterus natalensis (A. Smith, 1833)	475	70	405	14.74%	85.26%
Miniopterus newtoni Bocage, 1889	1	0	1	0.00%	100.00%
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008	19	6	13	31.58%	68.42%
Miniopterus schreibersii (Kuhl, 1817)	35	0	35	0.00%	100.00%
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007	9	1	8	11.11%	88.89%
VESPERTILIONIDAE Gray, 1821	4565	755	3810	16.54%	83.46%
Kerivoulinae Miller, 1907	147	28	119	19.05%	80.95%
Chamtwaria Butler, 1984	1	0	1	0.00%	100.00%
Chamtwaria pickfordi Butler, 1984	1	0	1	0.00%	100.00%
Kerivoula Gray, 1842	146	28	118	19.18%	80.82%
Kerivoula africana Dobson, 1878	3	1	2	33.33%	66.67%
Kerivoula argentata Tomes, 1861	50	16	34	32.00%	68.00%
Kerivoula cuprosa Thomas, 1912	4	0	4	0.00%	100.00%
Kerivoula eriophora (Heuglin, 1877)	1	0	1	0.00%	100.00%
Kerivoula lanosa (A. Smith, 1847)	61	11	50	18.03%	81.97%
Kerivoula phalaena Thomas, 1912	12	0	12	0.00%	100.00%
Kerivoula smithii Thomas, 1880	16	0	16	0.00%	100.00%
Myotinae Tate, 1942	613	84	529	13.70%	86.30%
Myotis Kaup, 1829	613	84	529	13.70%	86.30%
Myotis anjouanensis (Dorst, 1960)	2	0	2	0.00%	100.00%
Myotis bocagii (Peters, 1870)	209	19	190	9.09%	90.91%
Myotis bocagii bocagii (Peters, 1870)	23	1	22	4.35%	95.65%
Myotis bocagii cupreolus Thomas, 1904	41	1	40	2.44%	97.56%
Myotis capaccinii (Bonaparte, 1837)	5	0	5	0.00%	100.00%
Myotis dieteri M. Happold, 2005	1	0	1	0.00%	100.00%
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806)	9	0	9	0.00%	100.00%
Myotis goudoti (A. Smith, 1834)	102	28	74	27.45%	72.55%
Myotis morrisi Hill, 1971	2	0	2	0.00%	100.00%
Myotis mystacinus (Kuhl, 1817)	2	0	2	0.00%	100.00%
Myotis punicus Felten, 1977	93	0	93	0.00%	100.00%
Myotis scotti Thomas, 1927	4	0	4	0.00%	100.00%
Myotis tricolor (Temminck, 1832)	135	29	106	21.48%	78.52%
Myotis welwitschii (Gray, 1866)	66	11	55	16.67%	83.33%
Scotophilinae Van Cakenberghe and Seamark, 2008	1106	208	898	18.81%	81.19%
Scotophilus Leach, 1821	1106	208	898	18.81%	81.19%
Scotophilus andrewreborii Brooks and Bickham, 2014	7	0	7	0.00%	100.00%
Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803)	1	1	0	100.00%	0.00%
Scotophilus dinganii (A. Smith, 1833)	738	151	587	20.46%	79.54%
Scotophilus ejetai Brooks and Bickham, 2014	1	0	1	0.00%	100.00%
Scotophilus leucogaster (Cretzschmar, 1826)	208	30	178	14.42%	85.58%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Scotophilus livingstonii Brooks and Bickham, 2014	2	0	2	0.00%	100.00%
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006	3	1	2	33.33%	66.67%
Scotophilus nigrita (Schreber, 1774)	51	3	48	5.88%	94.12%
Scotophilus nucella Robbins, 1983	8	0	8	0.00%	100.00%
Scotophilus nux Thomas, 1904	35	0	35	0.00%	100.00%
Scotophilus robustus A. Milne-Edwards, 1881	7	0	7	0.00%	100.00%
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005	1	0	1	0.00%	100.00%
Scotophilus trujilloi Brooks and Bickham, 2014	3	0	3	0.00%	100.00%
Scotophilus viridis (Peters, 1852)	157	44	113	28.03%	71.97%
Vespertilioninae Gray, 1821	3487	570	2917	16.35%	83.65%
Barbastella Gray, 1821	4	0	4	0.00%	100.00%
Barbastella barbastellus (Schreber, 1774)	3	0	3	0.00%	100.00%
Barbastella leucomelas (Cretzschmar, 1826)	1	0	1	0.00%	100.00%
Eptesicus Rafinesque, 1820	131	21	110	16.03%	83.97%
Eptesicus bottae (Peters, 1869)	3	0	3	0.00%	100.00%
Eptesicus floweri (de Winton, 1901)	9	0	9	0.00%	100.00%
Eptesicus hottentotus (A. Smith, 1833)	79	21	58	26.58%	73.42%
Eptesicus isabellinus (Temminck, 1840)	27	0	27	0.00%	100.00%
Eptesicus platyops (Thomas, 1901)	2	0	2	0.00%	100.00%
Glauconycteris Dobson, 1875	278	24	254	8.63%	91.37%
Glauconycteris alboguttata J.A. Allen, 1917	10	0	10	0.00%	100.00%
Glauconycteris argentata (Dobson, 1875)	96	5	91	5.21%	94.79%
Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017	3	0	3	0.00%	100.00%
Glauconycteris beatrix Thomas, 1901	24	0	24	0.00%	100.00%
Glauconycteris cf. beatrix Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017	1	0	1	0.00%	100.00%
Glauconycteris curryae Eger and Schlitter, 2001	11	0	11	0.00%	100.00%
Glauconycteris egeria Thomas, 1913	7	0	7	0.00%	100.00%
Glauconycteris gleni Peterson and Smith, 1973	1	0	1	0.00%	100.00%
Glauconycteris humeralis J.A. Allen, 1917	15	0	15	0.00%	100.00%
Glauconycteris kenyacola Peterson, 1982	1	0	1	0.00%	100.00%
Glauconycteris machadoi Hayman, 1963	1	1	0	100.00%	0.00%
Glauconycteris poensis (Gray, 1842)	39	2	37	5.13%	94.87%
Glauconycteris superba Hayman, 1939	3	0	3	0.00%	100.00%
Glauconycteris variegata (Tomes, 1861)	104	17	87	16.35%	83.65%
Hypsugo Kolenati, 1856	125	21	104	16.80%	83.20%
Hypsugo anchietae (Seabra, 1900)	52	13	39	25.00%	75.00%
Hypsugo ariel (Thomas, 1904)	6	0	6	0.00%	100.00%
Hypsugo cf. eisentrauti Hill, 1968	3	1	2	33.33%	66.67%
Hypsugo crassulus (Thomas, 1904)	20	1	19	5.00%	95.00%
Hypsugo eisentrauti (Hill, 1968)	14	2	12	14.29%	85.71%
Hypsugo musciculus (Thomas, 1913)	12	2	10	16.67%	83.33%
Hypsugo savii (Bonaparte, 1837)	20	2	18	10.00%	90.00%
Laephotis Thomas, 1901	70	13	57	18.57%	81.43%
Laephotis angolensis Monard, 1935	9	1	8	11.11%	88.89%
Laephotis botswanae Setzer, 1971	42	8	34	19.05%	80.95%
Laephotis namibensis Setzer, 1971	7	2	5	28.57%	71.43%
Laephotis wintoni Thomas, 1901	13	2	11	15.38%	84.62%
Mimetillus Thomas, 1904	100	5	95	5.00%	95.00%
Mimetillus moloneyi (Thomas, 1891)	92	3	89	3.26%	96.74%
Mimetillus thomasi Hinton, 1920	8	2	6	25.00%	75.00%
Neoromicia Roberts, 1926	2257	384	1873	17.01%	82.99%
Neoromicia brunnea (Thomas, 1880)	31	3	28	9.68%	90.32%
Neoromicia capensis (A. Smith, 1829)	863	205	658	23.75%	76.25%
Neoromicia flavescens (Seabra, 1900)	5	0	5	0.00%	100.00%
Neoromicia guineensis (Bocage, 1889)	52	3	49	5.77%	94.23%
Neoromicia helios (Heller, 1912)	37	3	34	8.11%	91.89%
Neoromicia humbloti (A. Milne-Edwards, 1881)	1	0	1	0.00%	100.00%
Neoromicia isabella Decher, Hutterer and Monadjem, 2016	1	0	1	0.00%	100.00%
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995)	4	0	4	0.00%	100.00%
Neoromicia matroka (Thomas and Schwann, 1905)	29	2	27	6.90%	93.10%
Neoromicia nana (Peters, 1852)	991	144	847	14.53%	85.47%
Neoromicia rendalli (Thomas, 1889)	120	16	104	13.33%	86.67%
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012	2	0	2	0.00%	100.00%
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013	1	0	1	0.00%	100.00%
Neoromicia somalica (Thomas, 1901)	147	20	127	13.61%	86.39%
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017	33	18	15	54.55%	45.45%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Neoromicia tenuipinnis (Peters, 1872)	188	12	176	6.38%	93.62%
Neoromicia zuluensis (Roberts, 1924)	156	47	109	30.13%	69.87%
Neoromicia "incertae-sedis"	2	1	1	50.00%	50.00%
Nyctalus Bowdich, 1825	11	0	11	0.00%	100.00%
Nyctalus azoreum (Thomas, 1901)	6	0	6	0.00%	100.00%
Nyctalus lasiopterus (Schreber, 1780)	1	0	1	0.00%	100.00%
Nyctalus leisleri (Kuhl, 1817)	6	0	6	0.00%	100.00%
Nycticeinops Hill & Harrison, 1987	315	107	208	33.97%	66.03%
Nycticeinops schlieffenii (Peters, 1859)	315	107	208	33.97%	66.03%
Otonycteris Peters, 1859	36	0	36	0.00%	100.00%
Otonycteris hemprichii Peters, 1859	36	0	36	0.00%	100.00%
Pipistrellus Kaup, 1829	756	156	600	20.63%	79.37%
Pipistrellus aero Heller, 1912	4	2	2	50.00%	50.00%
Pipistrellus grandidieri (Dobson, 1876)	18	5	13	27.78%	72.22%
Pipistrellus hesperidus (Temminck, 1840)	219	48	171	21.92%	78.08%
Pipistrellus hesperidus broomi Roberts, 1948	3	0	3	0.00%	100.00%
Pipistrellus hesperidus hesperidus (Temminck, 1840)	44	4	40	9.09%	90.91%
Pipistrellus inexspectatus Aellen, 1959	9	2	7	22.22%	77.78%
Pipistrellus kuhlii (Kuhl, 1817)	140	0	140	0.00%	100.00%
Pipistrellus maderensis (Dobson, 1878)	4	0	4	0.00%	100.00%
Pipistrellus nanulus Thomas, 1904	70	9	61	12.86%	87.14%
Pipistrellus permixtus Aellen, 1957	1	0	1	0.00%	100.00%
Pipistrellus pipistrellus (Schreber, 1774)	19	0	19	0.00%	100.00%
Pipistrellus rueppellii (Fischer, 1829)	145	39	106	26.90%	73.10%
Pipistrellus rueppellii fuscipes Thomas, 1913	13	3	10	23.08%	76.92%
Pipistrellus rueppellii pulcher (Dobson, 1875)	1	0	1	0.00%	100.00%
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829)	6	0	6	0.00%	100.00%
Pipistrellus rueppellii senegalensis Dorst, 1960	3	1	2	33.33%	66.67%
Pipistrellus rueppellii vernayi Roberts, 1932	5	2	3	40.00%	60.00%
Pipistrellus rusticus (Tomes, 1861)	153	64	89	41.83%	58.17%
Plecotus E. Geoffroy St.-Hilaire, 1818	50	2	48	4.00%	96.00%
Plecotus balensis Kruskop & Lavrenchenko, 2000	1	1	0	100.00%	0.00%
Plecotus christii Gray, 1838	20	0	20	0.00%	100.00%
Plecotus gaisleri Benda, Kiefer, Hanak & Veith, 2004	1	0	1	0.00%	100.00%
Plecotus teneriffae Barrett-Hamilton, 1907	27	1	26	3.70%	96.30%
Scotoecus Thomas, 1901	183	13	170	7.10%	92.90%
Scotoecus albigula Thomas, 1909	16	5	11	31.25%	68.75%
Scotoecus albofuscus (Thomas, 1890)	30	2	28	6.67%	93.33%
Scotoecus hindei Thomas, 1901	81	6	75	7.41%	92.59%
Scotoecus hirundo (de Winton, 1899)	76	0	76	0.00%	100.00%

Appendix 2f6: Number of localities in which the given taxa was recently [in the last 20 years] collected in and outside Protected Areas

Taxon	All	In PA	Out PA	% In PA	% Out PA
CHIROPTERA Blumenbach, 1779	1267	84	1183	6.63%	93.37%
PTEROPODIFORMI Van Cakenberghe, Kearney and Seamark, 2007	600	30	570	5.00%	95.00%
PTEROPODIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	317	8	309	2.52%	97.48%
PTEROPODOIDEA Gray, 1821	317	8	309	2.52%	97.48%
PTEROPODIDAE Gray, 1821	317	8	309	2.52%	97.48%
Eidolinae Almeida, Giannini and Simmons, 2016	19	1	18	5.26%	94.74%
Eidolon Rafinesque, 1815	19	1	18	5.26%	94.74%
Eidolon dupreanum (Schegel, 1867)	3	1	2	33.33%	66.67%
Eidolon helvum (Kerr, 1792)	16	0	16	0.00%	100.00%
Pteropodinae Gray, 1821	10	0	10	0.00%	100.00%
Pteropus Erxleben, 1777	10	0	10	0.00%	100.00%
Pteropus niger (Kerr, 1792)	4	0	4	0.00%	100.00%
Pteropus rufus E. Geoffroy St.-Hilaire, 1803	2	0	2	0.00%	100.00%
Pteropus seychellensis A. Milne-Edwards, 1877	2	0	2	0.00%	100.00%
Pteropus voeltzkowi Matschie, 1909	1	0	1	0.00%	100.00%
Rousettinae Andersen, 1912	296	7	289	2.36%	97.64%
Casinycteris Thomas, 1910	15	0	15	0.00%	100.00%
Casinycteris argynnis Thomas, 1910	13	0	13	0.00%	100.00%
Casinycteris campomaanensis Hassanin, 2014	1	0	1	0.00%	100.00%
Casinycteris ophiodon (Pohle, 1943)	1	0	1	0.00%	100.00%
Epomophorus Bennett, 1836	172	6	166	3.49%	96.51%
Epomophorus anselli Bergmans and Van Strien, 2004	1	0	1	0.00%	100.00%
Epomophorus crypturus Peters, 1852	20	5	15	25.00%	75.00%
Epomophorus gambianus (Ogilby, 1835)	22	0	22	0.00%	100.00%
Epomophorus labiatus (Temminck, 1837)	26	1	25	3.85%	96.15%
Epomophorus minimus Claessen & De Vree, 1991	3	0	3	0.00%	100.00%
Epomophorus minor Dobson, 1880	6	0	6	0.00%	100.00%
Epomophorus wahlbergi (Sundevall, 1846)	98	0	98	0.00%	100.00%
Epomops Gray, 1866	43	0	43	0.00%	100.00%
Epomops buettikoferi (Matschie, 1899)	8	0	8	0.00%	100.00%
Epomops franqueti (Tomes, 1860)	33	0	33	0.00%	100.00%
Hypsignathus H. Allen, 1862	17	0	17	0.00%	100.00%
Hypsignathus monstrosus H. Allen, 1862	17	0	17	0.00%	100.00%
Megaloglossus Pagenstecher, 1885	34	0	34	0.00%	100.00%
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012	4	0	4	0.00%	100.00%
Megaloglossus woermanni Pagenstecher, 1885	30	0	30	0.00%	100.00%
Micropteropus Matschie, 1899	40	0	40	0.00%	100.00%
Micropteropus pusillus (Peters, 1868)	39	0	39	0.00%	100.00%
Myonycteris Matschie, 1899	68	0	68	0.00%	100.00%
Myonycteris angolensis (Bocage, 1898)	31	0	31	0.00%	100.00%
Myonycteris angolensis goliath (Bergmans, 1997)	2	0	2	0.00%	100.00%
Myonycteris angolensis ruwenzorii (Eisentraut, 1965)	1	0	1	0.00%	100.00%
Myonycteris angolensis smithii (Thomas, 1908)	4	0	4	0.00%	100.00%
Myonycteris leptodon K. Andersen, 1908	7	0	7	0.00%	100.00%
Myonycteris relicta Bergmans, 1980	4	0	4	0.00%	100.00%
Myonycteris torquata (Dobson, 1878)	32	0	32	0.00%	100.00%
Nanonycteris Matschie, 1899	8	0	8	0.00%	100.00%
Nanonycteris veldkampii (Jentink, 1888)	8	0	8	0.00%	100.00%
Plerotes K. Andersen, 1910	1	0	1	0.00%	100.00%
Plerotes anchietae (Seabra, 1900)	1	0	1	0.00%	100.00%
Rousettus Gray, 1821	63	1	62	1.59%	98.41%
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810)	46	1	45	2.17%	97.83%
Rousettus madagascariensis G. Grandidier, 1929	6	0	6	0.00%	100.00%
Rousettus obliviosus Kock, 1978	10	0	10	0.00%	100.00%
Scotonycteris Matschie, 1894	16	0	16	0.00%	100.00%
Scotonycteris bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	12	0	12	0.00%	100.00%
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	4	0	4	0.00%	100.00%
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	8	0	8	0.00%	100.00%
Scotonycteris occidentalis Hayman, 1947	1	0	1	0.00%	100.00%
Scotonycteris zenkeri Matschie, 1894	3	0	3	0.00%	100.00%
Stenonycteris Gray, 1870	4	0	4	0.00%	100.00%
Stenonycteris lanosus (Thomas, 1906)	4	0	4	0.00%	100.00%
RHINOLOPHIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	366	24	342	6.56%	93.44%
RHINOLOPHOIDEA J. E. Gray, 1825	363	24	339	6.61%	93.39%
HIPPOSIDERIDAE Lydekker, 1891	147	10	137	6.80%	93.20%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Asellia Gray, 1838	3	0	3	0.00%	100.00%
Asellia tridens (E. Geoffroy St.-Hilaire, 1813)	3	0	3	0.00%	100.00%
Doryrhina Peters, 1871	10	1	9	10.00%	90.00%
Doryrhina cyclops (Temminck, 1853)	10	1	9	10.00%	90.00%
Hipposideros Gray, 1831	123	9	114	7.32%	92.68%
Hipposideros abae J.A. Allen, 1917	2	0	2	0.00%	100.00%
Hipposideros beatus (K. Andersen, 1906)	10	0	10	0.00%	100.00%
Hipposideros caffer (Sundevall, 1846)	58	4	54	6.90%	93.10%
Hipposideros cf. centralis Andersen, 1906	3	0	3	0.00%	100.00%
Hipposideros fuliginosus (Temminck, 1853)	2	0	2	0.00%	100.00%
Hipposideros jonesi Hayman, 1947	3	0	3	0.00%	100.00%
Hipposideros ruber (Noack, 1893)	44	4	40	9.09%	90.91%
Hipposideros tephrus (Cabrera, 1906)	6	2	4	33.33%	66.67%
Macronycteris Gray, 1866	28	2	26	7.14%	92.86%
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813)	14	0	14	0.00%	100.00%
Macronycteris cryptovalorona (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)	2	0	2	0.00%	100.00%
Macronycteris gigas (Wagner, 1845)	4	0	4	0.00%	100.00%
Macronycteris vittatus (Peters, 1852)	11	2	9	18.18%	81.82%
MEGADERMATIDAE H. Allen, 1864	7	0	7	0.00%	100.00%
Cardioderma Peters, 1873	3	0	3	0.00%	100.00%
Cardioderma cor (Peters, 1872)	3	0	3	0.00%	100.00%
Lavia Gray, 1838	6	0	6	0.00%	100.00%
Lavia frons (E. Geoffroy St.-Hilaire, 1810)	6	0	6	0.00%	100.00%
RHINOLOPHIDAE Gray, 1825	239	14	225	5.86%	94.14%
Rhinolophus Lacépède, 1799	239	14	225	5.86%	94.14%
Rhinolophus alcyone Temminck, 1853	4	0	4	0.00%	100.00%
Rhinolophus blasii Peters, 1867	19	1	18	5.26%	94.74%
Rhinolophus capensis Lichtenstein, 1823	1	0	1	0.00%	100.00%
Rhinolophus clivosus Cretzschmar, 1828	71	3	68	4.23%	95.77%
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	4	0	4	0.00%	100.00%
Rhinolophus damarensis Roberts, 1946	2	0	2	0.00%	100.00%
Rhinolophus darlingi K. Andersen, 1905	17	3	14	17.65%	82.35%
Rhinolophus deckenii Peters, 1868	14	0	14	0.00%	100.00%
Rhinolophus denti Thomas, 1904	4	0	4	0.00%	100.00%
Rhinolophus eloquens K. Andersen, 1905	5	0	5	0.00%	100.00%
Rhinolophus euryale Blasius, 1853	1	0	1	0.00%	100.00%
Rhinolophus ferrumequinum (Schreber, 1774)	1	0	1	0.00%	100.00%
Rhinolophus fumigatus Rüppell, 1842	18	1	17	5.56%	94.44%
Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018	5	0	5	0.00%	100.00%
Rhinolophus guineensis Eisentraut, 1960	2	0	2	0.00%	100.00%
Rhinolophus hildebrandtii Peters, 1878	6	3	3	50.00%	50.00%
Rhinolophus hipposideros (Bechstein, 1800)	3	0	3	0.00%	100.00%
Rhinolophus kahuzi Fahr and Kerbis Peterhans, 2013	1	0	1	0.00%	100.00%
Rhinolophus landeri Martin, 1838	13	1	12	7.69%	92.31%
Rhinolophus lobatus Peters, 1852	15	0	15	0.00%	100.00%
Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	2	0	2	0.00%	100.00%
Rhinolophus maendeleo Kock, Csorba and Howell, 2000	6	0	6	0.00%	100.00%
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	5	1	4	20.00%	80.00%
Rhinolophus rhodesiae Roberts, 1946	9	0	9	0.00%	100.00%
Rhinolophus simulator K. Andersen, 1904	31	2	29	6.45%	93.55%
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	11	1	10	9.09%	90.91%
Rhinolophus swinnyi Gough, 1908	9	1	8	11.11%	88.89%
Rhinolophus willardi Kerbis Peterhans and Fahr, 2013	2	0	2	0.00%	100.00%
RHINONYCTERIDAE J. E. Gray, 1866	33	3	30	9.09%	90.91%
Cloeotis Thomas, 1901	7	0	7	0.00%	100.00%
Cloeotis percivali Thomas, 1901	7	0	7	0.00%	100.00%
Paratriaenops Benda and Vallo, 2009	3	1	2	33.33%	66.67%
Paratriaenops furculus (Trouessart, 1907)	2	0	2	0.00%	100.00%
Paratriaenops pauliani (Goodman and Ranivo, 2008)	1	1	0	100.00%	0.00%
Triaenops Dobson, 1871	25	2	23	8.00%	92.00%
Triaenops afer Peters, 1877	19	2	17	10.53%	89.47%
Triaenops menamena Goodman and Ranivo, 2009	6	0	6	0.00%	100.00%
RHINOPOMATOIDEA Dobson, 1872	4	0	4	0.00%	100.00%
RHINOPOMATIDAE Dobson, 1872	4	0	4	0.00%	100.00%
Rhinopoma E. Geoffroy St.-Hilaire, 1818	4	0	4	0.00%	100.00%
Rhinopoma cystops Thomas, 1903	3	0	3	0.00%	100.00%
Rhinopoma microphyllum (Brünnich, 1782)	1	0	1	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
VESPERTILIONIFORMI Van Cakenberghe, Kearney and Seamark, 2007	918	67	851	7.30%	92.70%
NOCTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	2	0	2	0.00%	100.00%
NOCTILIONOIDEA Gray, 1821	2	0	2	0.00%	100.00%
MYZOPODIDAE Thomas, 1904	2	0	2	0.00%	100.00%
Myzopoda Milne-Edwards and A. Grandidier, 1878	2	0	2	0.00%	100.00%
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007	2	0	2	0.00%	100.00%
NYCTERIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	138	5	133	3.62%	96.38%
NYCTEROIDEA Van der Hoeven, 1855	138	5	133	3.62%	96.38%
EMBALLONURIDAE Gervais, 1855	33	2	31	6.06%	93.94%
Coleura Peters, 1867	10	0	10	0.00%	100.00%
Coleura afra (Peters, 1852)	8	0	8	0.00%	100.00%
Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	2	0	2	0.00%	100.00%
Paremballonura Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	1	1	0	100.00%	0.00%
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)	1	1	0	100.00%	0.00%
Taphozous E. Geoffroy St.-Hilaire, 1818	23	1	22	4.35%	95.65%
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818	15	1	14	6.67%	93.33%
Taphozous nudiventris Cretzschmar, 1830	5	0	5	0.00%	100.00%
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818	2	0	2	0.00%	100.00%
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818	1	0	1	0.00%	100.00%
NYCTERIDAE Van der Hoeven, 1855	112	3	109	2.68%	97.32%
Nycteris G. Cuvier and E. Geoffroy, 1795	112	3	109	2.68%	97.32%
Nycteris arge Thomas, 1903	7	0	7	0.00%	100.00%
Nycteris aurita (K. Andersen, 1912)	1	0	1	0.00%	100.00%
Nycteris cf. parisii De Beaux, 1924	1	0	1	0.00%	100.00%
Nycteris gambiensis (K. Andersen, 1912)	4	0	4	0.00%	100.00%
Nycteris grandis Peters, 1865	13	0	13	0.00%	100.00%
Nycteris hispida (Schreber, 1774)	11	0	11	0.00%	100.00%
Nycteris intermedia Aellen, 1959	1	0	1	0.00%	100.00%
Nycteris macrotis Dobson, 1876	17	0	17	0.00%	100.00%
Nycteris major (K. Andersen, 1912)	1	0	1	0.00%	100.00%
Nycteris nana (K. Andersen, 1912)	4	0	4	0.00%	100.00%
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818	48	3	45	6.25%	93.75%
VESPERTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	847	64	783	7.56%	92.44%
MOLOSSOIDEA Gervais, 1856	276	11	265	3.99%	96.01%
MOLOSSIDAE Gervais, 1856	276	11	265	3.99%	96.01%
Molossinae Gervais, 1856	274	11	263	4.01%	95.99%
Chaerephon Dobson, 1874	164	6	158	3.66%	96.34%
Chaerephon aloysiisabaudiae (Festa, 1907)	1	0	1	0.00%	100.00%
Chaerephon ansorgei (Thomas, 1913)	2	0	2	0.00%	100.00%
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010	2	0	2	0.00%	100.00%
Chaerephon chapini J.A. Allen, 1917	1	0	1	0.00%	100.00%
Chaerephon jobimena Goodman and Cardiff, 2004	1	0	1	0.00%	100.00%
Chaerephon leucogaster (A. Grandidier, 1869)	13	0	13	0.00%	100.00%
Chaerephon major (Trouessart, 1897)	1	0	1	0.00%	100.00%
Chaerephon nigeriae Thomas, 1913	3	0	3	0.00%	100.00%
Chaerephon pumilus (Cretzschmar, 1826)	132	6	126	4.55%	95.45%
Chaerephon pusillus (Miller, 1902)	17	0	17	0.00%	100.00%
Chaerephon russatus J.A. Allen, 1917	2	0	2	0.00%	100.00%
Mops Lesson, 1842	58	1	57	1.72%	98.28%
Mops (Mops) Lesson, 1842	55	1	54	1.82%	98.18%
Mops (Mops) condylurus (A. Smith, 1833)	39	1	38	2.56%	97.44%
Mops (Mops) demonstrator (Thomas, 1903)	1	0	1	0.00%	100.00%
Mops (Mops) leucostigma (G.M. Allen, 1918)	10	0	10	0.00%	100.00%
Mops (Mops) midas (Sundevall, 1843)	6	0	6	0.00%	100.00%
Mops (Mops) niveiventer Cabrera and Ruxton, 1926	1	0	1	0.00%	100.00%
Mops (Mops) trevori J.A. Allen, 1917	1	0	1	0.00%	100.00%
Mops (Xiphonycteris) Dollman, 1911	5	0	5	0.00%	100.00%
Mops (Xiphonycteris) bakarii Stanley, 2009	1	0	1	0.00%	100.00%
Mops (Xiphonycteris) brachypterus (Peters, 1852)	2	0	2	0.00%	100.00%
Mops (Xiphonycteris) nanulus J.A. Allen, 1917	3	0	3	0.00%	100.00%
Mops (Xiphonycteris) spurrelli (Dollman, 1911)	1	0	1	0.00%	100.00%
Mops (Xiphonycteris) thersites (Thomas, 1903)	1	0	1	0.00%	100.00%
Mormopterus Peters, 1865	20	0	20	0.00%	100.00%
Mormopterus acetabulosus (Hermann, 1804)	6	0	6	0.00%	100.00%
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008	6	0	6	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Mormopterus jugularis (Peters, 1865)	8	0	8	0.00%	100.00%
Myopterus E. Geoffroy St.-Hilaire, 1818	1	0	1	0.00%	100.00%
Myopterus daubentonii Desmarest, 1820	1	0	1	0.00%	100.00%
Otomops Thomas, 1913	24	0	24	0.00%	100.00%
Otomops madagascariensis Dorst, 1953	4	0	4	0.00%	100.00%
Otomops martiensseni (Matschie, 1897)	20	0	20	0.00%	100.00%
Sauromys Roberts, 1917	3	1	2	33.33%	66.67%
Sauromys petrophilus (Roberts, 1917)	3	1	2	33.33%	66.67%
Tadarida Rafinesque, 1814	39	4	35	10.26%	89.74%
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818)	25	4	21	16.00%	84.00%
Tadarida fulminans (Thomas, 1903)	3	0	3	0.00%	100.00%
Tadarida lobata (Thomas, 1891)	1	0	1	0.00%	100.00%
Tadarida teniotis (Rafinesque, 1814)	8	0	8	0.00%	100.00%
Tadarida ventralis (Heuglin, 1861)	2	0	2	0.00%	100.00%
VESPERTILIONOIDEA Gray, 1821	648	57	591	8.80%	91.20%
CISTUGONIDAE Lack, Roehrs, Stanley, Ruedi and Van den Bussche, 2010	3	0	3	0.00%	100.00%
Cistugo Thomas, 1912	3	0	3	0.00%	100.00%
Cistugo lesueuri Roberts, 1919	3	0	3	0.00%	100.00%
MINIOPTERIDAE Dobson, 1875	182	9	173	4.95%	95.05%
Miniopterus Bonaparte, 1837	182	9	173	4.95%	95.05%
Miniopterus horaceki Gunnell, Eiting, and Geraads, 2011	4	0	4	0.00%	100.00%
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009	3	1	2	33.33%	66.67%
Miniopterus africanus Sanborn, 1936	5	0	5	0.00%	100.00%
Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015	1	0	1	0.00%	100.00%
Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009	7	0	7	0.00%	100.00%
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011	4	0	4	0.00%	100.00%
Miniopterus fraterculus Thomas and Schwann, 1906	21	3	18	14.29%	85.71%
Miniopterus gleni Peterson, Eger and Mitchell, 1995	2	0	2	0.00%	100.00%
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009	1	0	1	0.00%	100.00%
Miniopterus griveaudi Harrison, 1959	18	0	18	0.00%	100.00%
Miniopterus inflatus Thomas, 1903	17	0	17	0.00%	100.00%
Miniopterus inflatus inflatus Thomas, 1903	1	0	1	0.00%	100.00%
Miniopterus inflatus rufus Sanborn, 1936	4	0	4	0.00%	100.00%
Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014	4	0	4	0.00%	100.00%
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009	21	0	21	0.00%	100.00%
Miniopterus majori Thomas, 1906	2	0	2	0.00%	100.00%
Miniopterus manavi Thomas, 1906	3	0	3	0.00%	100.00%
Miniopterus minor Peters, 1867	7	0	7	0.00%	100.00%
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013	3	0	3	0.00%	100.00%
Miniopterus natalensis (A. Smith, 1833)	62	6	56	9.68%	90.32%
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008	1	0	1	0.00%	100.00%
Miniopterus schreibersii (Kuhl, 1817)	2	0	2	0.00%	100.00%
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007	6	0	6	0.00%	100.00%
VESPERTILIONIDAE Gray, 1821	513	52	461	10.14%	89.86%
Kerivoulinae Miller, 1907	12	0	12	0.00%	100.00%
Kerivoula Gray, 1842	12	0	12	0.00%	100.00%
Kerivoula argentata Tomes, 1861	5	0	5	0.00%	100.00%
Kerivoula cuprosa Thomas, 1912	1	0	1	0.00%	100.00%
Kerivoula lanosa (A. Smith, 1847)	5	0	5	0.00%	100.00%
Kerivoula phalaena Thomas, 1912	2	0	2	0.00%	100.00%
Kerivoula smithii Thomas, 1880	1	0	1	0.00%	100.00%
Myotinae Tate, 1942	66	8	58	12.12%	87.88%
Myotis Kaup, 1829	66	8	58	12.12%	87.88%
Myotis anjouanensis (Dorst, 1960)	1	0	1	0.00%	100.00%
Myotis bocagii (Peters, 1870)	24	5	19	20.83%	79.17%
Myotis goudoti (A. Smith, 1834)	6	0	6	0.00%	100.00%
Myotis mystacinus (Kuhl, 1817)	1	0	1	0.00%	100.00%
Myotis punicus Felten, 1977	2	0	2	0.00%	100.00%
Myotis tricolor (Temminck, 1832)	24	2	22	8.33%	91.67%
Myotis welwitschii (Gray, 1866)	5	1	4	20.00%	80.00%
Scotophilinae Van Cakenberghe and Seamark, 2008	118	16	102	13.56%	86.44%
Scotophilus Leach, 1821	118	16	102	13.56%	86.44%
Scotophilus dinganii (A. Smith, 1833)	67	9	58	13.43%	86.57%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Scotophilus ejetai Brooks and Bickham, 2014	1	0	1	0.00%	100.00%
Scotophilus leucogaster (Cretzschmar, 1826)	16	1	15	6.25%	93.75%
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006	2	0	2	0.00%	100.00%
Scotophilus nigrita (Schreber, 1774)	3	0	3	0.00%	100.00%
Scotophilus nucella Robbins, 1983	1	1	0	100.00%	0.00%
Scotophilus nux Thomas, 1904	3	1	2	33.33%	66.67%
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005	1	1	0	100.00%	0.00%
Scotophilus viridis (Peters, 1852)	35	7	28	20.00%	80.00%
Vespertilioninae Gray, 1821	409	40	369	9.78%	90.22%
Barbastella Gray, 1821	1	0	1	0.00%	100.00%
Barbastella barbastellus (Schreber, 1774)	1	0	1	0.00%	100.00%
Eptesicus Rafinesque, 1820	10	2	8	20.00%	80.00%
Eptesicus hottentotus (A. Smith, 1833)	9	2	7	22.22%	77.78%
Eptesicus isabellinus (Temminck, 1840)	1	0	1	0.00%	100.00%
Glauconycteris Dobson, 1875	29	0	29	0.00%	100.00%
Glauconycteris alboguttata J.A. Allen, 1917	1	0	1	0.00%	100.00%
Glauconycteris argentata (Dobson, 1875)	2	0	2	0.00%	100.00%
Glauconycteris beatrix Thomas, 1901	5	0	5	0.00%	100.00%
Glauconycteris curryae Eger and Schlitter, 2001	1	0	1	0.00%	100.00%
Glauconycteris gleni Peterson and Smith, 1973	1	0	1	0.00%	100.00%
Glauconycteris humeralis J.A. Allen, 1917	2	0	2	0.00%	100.00%
Glauconycteris poensis (Gray, 1842)	4	0	4	0.00%	100.00%
Glauconycteris superba Hayman, 1939	6	0	6	0.00%	100.00%
Glauconycteris variegata (Tomes, 1861)	17	0	17	0.00%	100.00%
Hypsugo Kolenati, 1856	27	6	21	22.22%	77.78%
Hypsugo anchietae (Seabra, 1900)	16	6	10	37.50%	62.50%
Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015	2	0	2	0.00%	100.00%
Hypsugo cf. eisentrauti Hill, 1968	1	0	1	0.00%	100.00%
Hypsugo crassulus (Thomas, 1904)	6	0	6	0.00%	100.00%
Laephotis Thomas, 1901	4	0	4	0.00%	100.00%
Laephotis botswanae Setzer, 1971	1	0	1	0.00%	100.00%
Laephotis wintoni Thomas, 1901	3	0	3	0.00%	100.00%
Mimetillus Thomas, 1904	5	0	5	0.00%	100.00%
Mimetillus moloneyi (Thomas, 1891)	5	0	5	0.00%	100.00%
Neoromicia Roberts, 1926	263	23	240	8.75%	91.25%
Neoromicia aff. guineensis Bocage, 1889	5	0	5	0.00%	100.00%
Neoromicia brunnea (Thomas, 1880)	4	0	4	0.00%	100.00%
Neoromicia capensis (A. Smith, 1829)	104	13	91	12.50%	87.50%
Neoromicia guineensis (Bocage, 1889)	10	0	10	0.00%	100.00%
Neoromicia helios (Heller, 1912)	1	0	1	0.00%	100.00%
Neoromicia isabella Decher, Hutterer and Monadjem, 2016	1	0	1	0.00%	100.00%
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995)	2	0	2	0.00%	100.00%
Neoromicia matroka (Thomas and Schwann, 1905)	1	0	1	0.00%	100.00%
Neoromicia nana (Peters, 1852)	116	11	105	9.48%	90.52%
Neoromicia rendalli (Thomas, 1889)	5	0	5	0.00%	100.00%
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012	1	0	1	0.00%	100.00%
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013	3	0	3	0.00%	100.00%
Neoromicia somalica (Thomas, 1901)	19	0	19	0.00%	100.00%
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017	3	0	3	0.00%	100.00%
Neoromicia tenuipinnis (Peters, 1872)	6	0	6	0.00%	100.00%
Neoromicia zuluensis (Roberts, 1924)	19	7	12	36.84%	63.16%
Nyctalus Bowdich, 1825	4	0	4	0.00%	100.00%
Nyctalus leisleri (Kuhl, 1817)	4	0	4	0.00%	100.00%
Nycticeinops Hill & Harrison, 1987	32	7	25	21.88%	78.13%
Nycticeinops schlieffenii (Peters, 1859)	32	7	25	21.88%	78.13%
Otonycteris Peters, 1859	5	1	4	20.00%	80.00%
Otonycteris hemprichii Peters, 1859	5	1	4	20.00%	80.00%
Pipistrellus Kaup, 1829	117	15	102	12.82%	87.18%
Pipistrellus grandidieri (Dobson, 1876)	7	4	3	57.14%	42.86%
Pipistrellus hanaki Hulva and Benda, 2004	4	0	4	0.00%	100.00%
Pipistrellus hesperidus (Temminck, 1840)	61	5	56	8.20%	91.80%
Pipistrellus hesperidus hesperidus (Temminck, 1840)	5	0	5	0.00%	100.00%
Pipistrellus inexspectatus Aellen, 1959	1	0	1	0.00%	100.00%
Pipistrellus kuhlii (Kuhl, 1817)	4	0	4	0.00%	100.00%
Pipistrellus maderensis (Dobson, 1878)	1	0	1	0.00%	100.00%
Pipistrellus nanulus Thomas, 1904	10	0	10	0.00%	100.00%
Pipistrellus pipistrellus (Schreber, 1774)	2	0	2	0.00%	100.00%

Taxon	All	In PA	Out PA	% In PA	% Out PA
Pipistrellus raceyi Bates, Ratrimomanarivo, Harrison and Goodman, 2006	1	0	1	0.00%	100.00%
Pipistrellus rueppellii (Fischer, 1829)	7	1	6	14.29%	85.71%
Pipistrellus rusticus (Tomes, 1861)	13	5	8	38.46%	61.54%
Plecotus E. Geoffroy St.-Hilaire, 1818	14	0	14	0.00%	100.00%
Plecotus balensis Kruskop & Lavrenchenko, 2000	2	0	2	0.00%	100.00%
Plecotus christii Gray, 1838	10	0	10	0.00%	100.00%
Plecotus teneriffae Barrett-Hamilton, 1907	2	0	2	0.00%	100.00%
Scotoecus Thomas, 1901	22	1	21	4.55%	95.45%
Scotoecus albofuscus (Thomas, 1890)	1	0	1	0.00%	100.00%
Scotoecus hindei Thomas, 1901	7	1	6	14.29%	85.71%
Scotoecus hirundo (de Winton, 1899)	3	0	3	0.00%	100.00%

Appendix 2g: Distribution Maps per Taxon

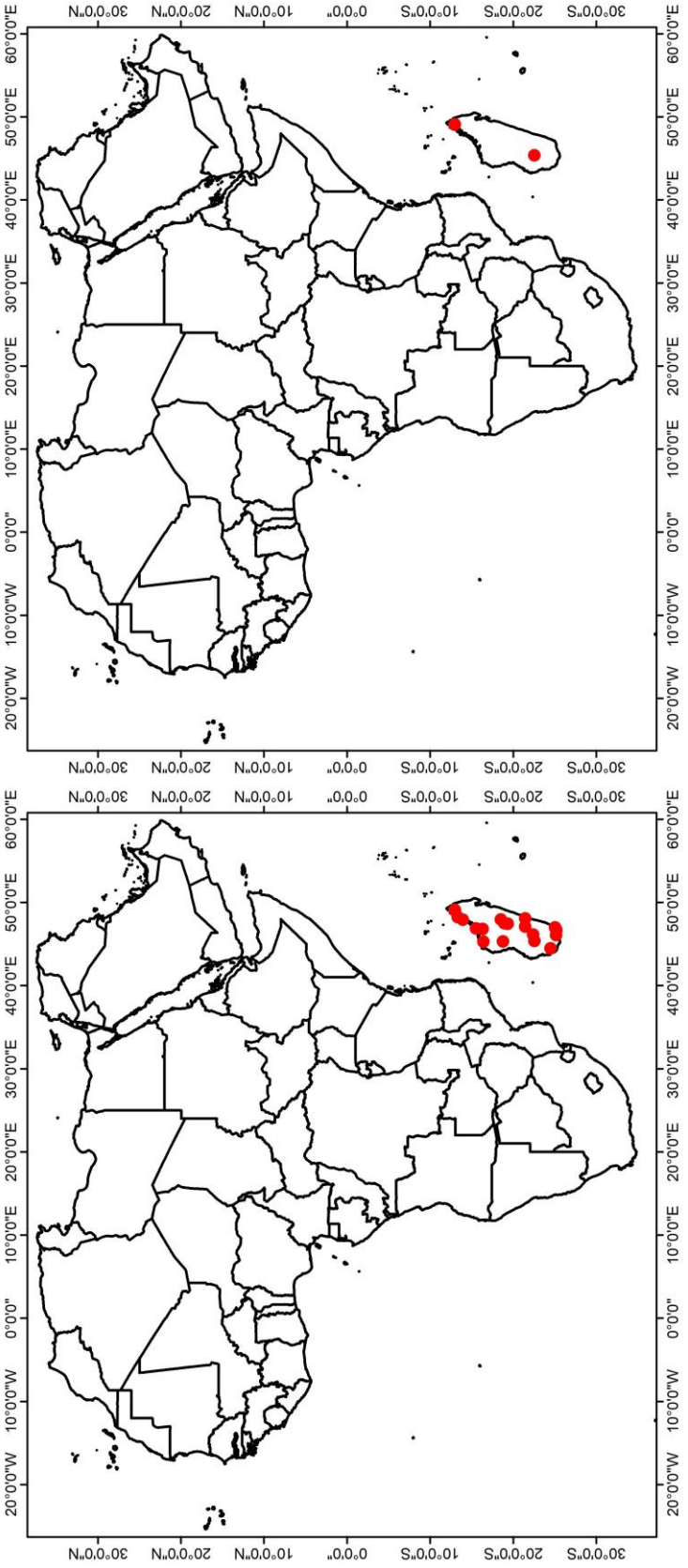

Distribution maps for *Eidolon dupreanum* (Schegel, 1867)
(left: all voucher specimens; right: voucher specimens collected since 1998).

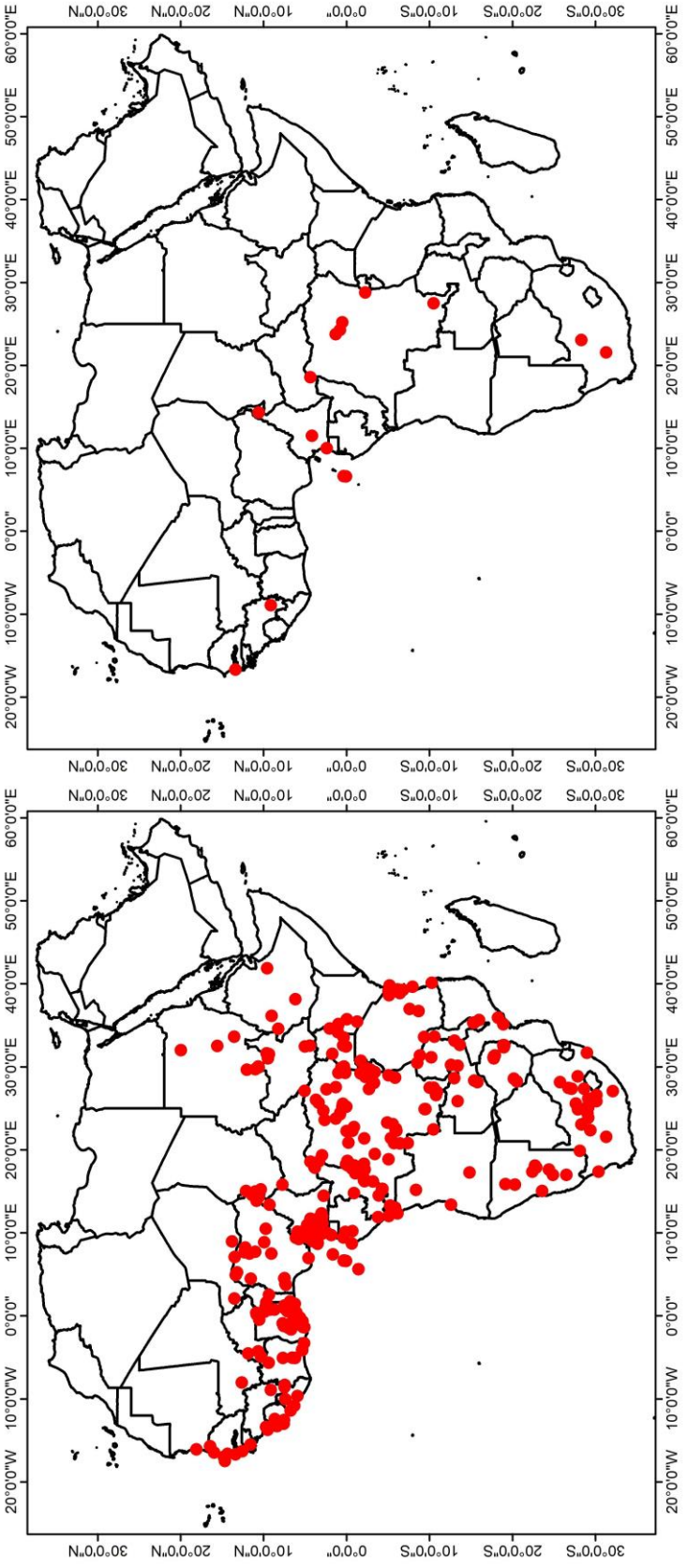

Distribution maps for *Eidolon helvum* (Kerr, 1792)
(left: all voucher specimens; right: voucher specimens collected since 1998).

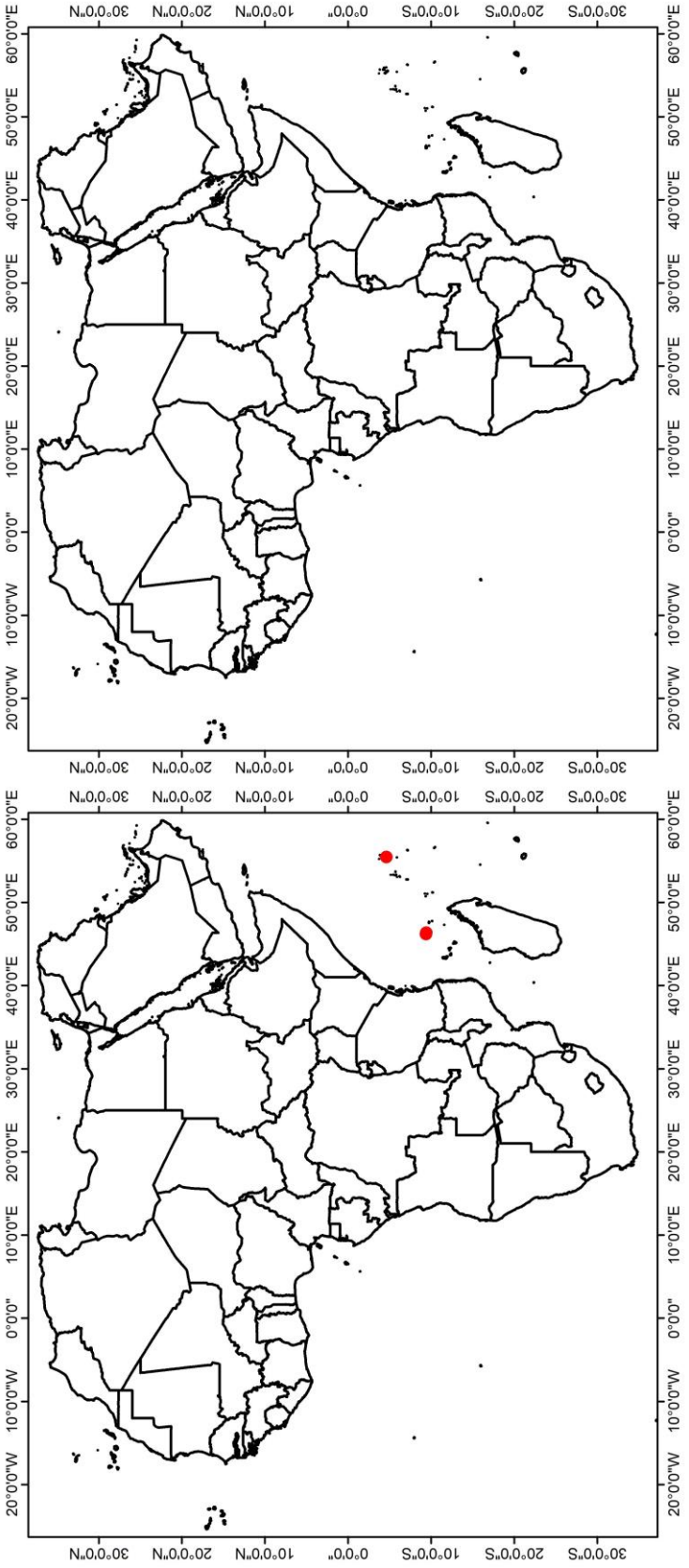

Distribution maps for *Pteropus aldabrensis* True, 1893
(left: all voucher specimens; right: voucher specimens collected since 1998).

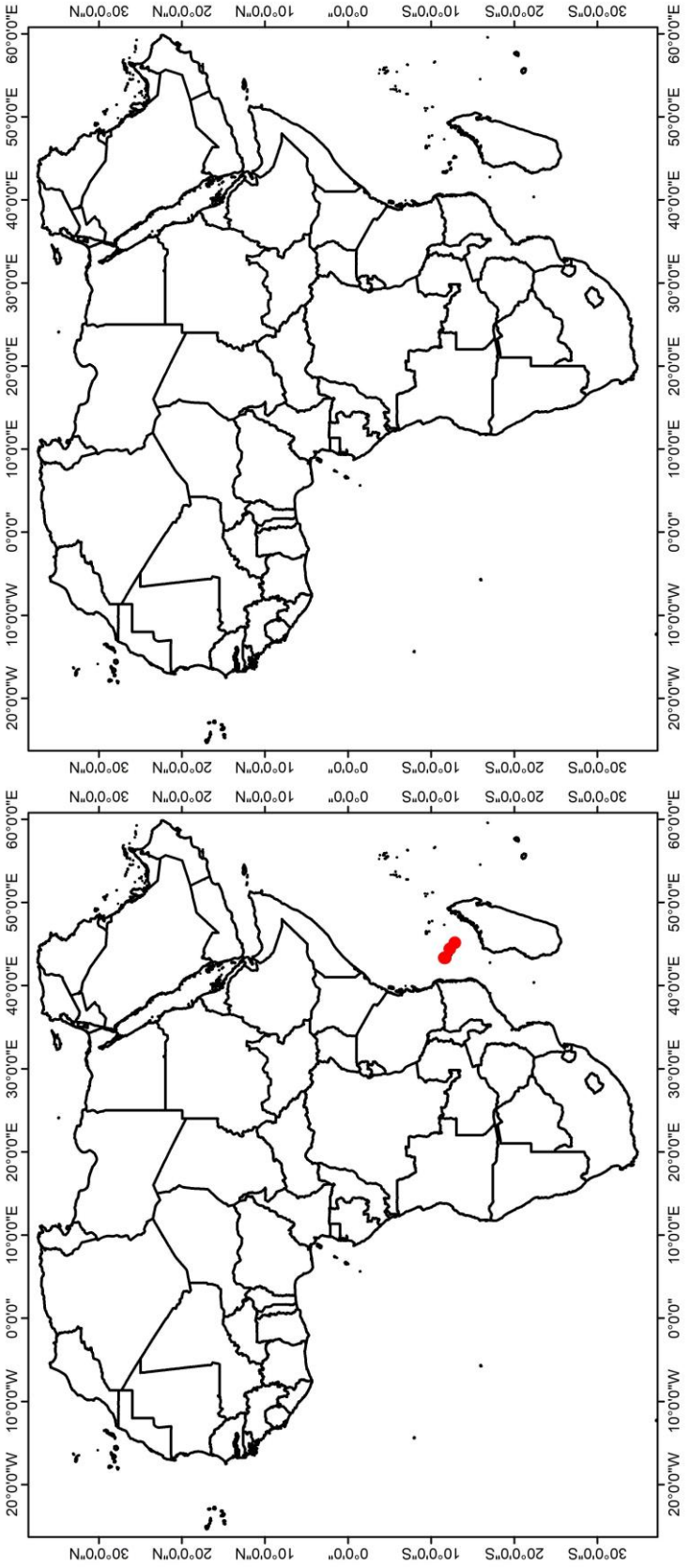

Distribution maps for *Pteropus livingstonii* Gray, 1866
(left: all voucher specimens; right: voucher specimens collected since 1998).

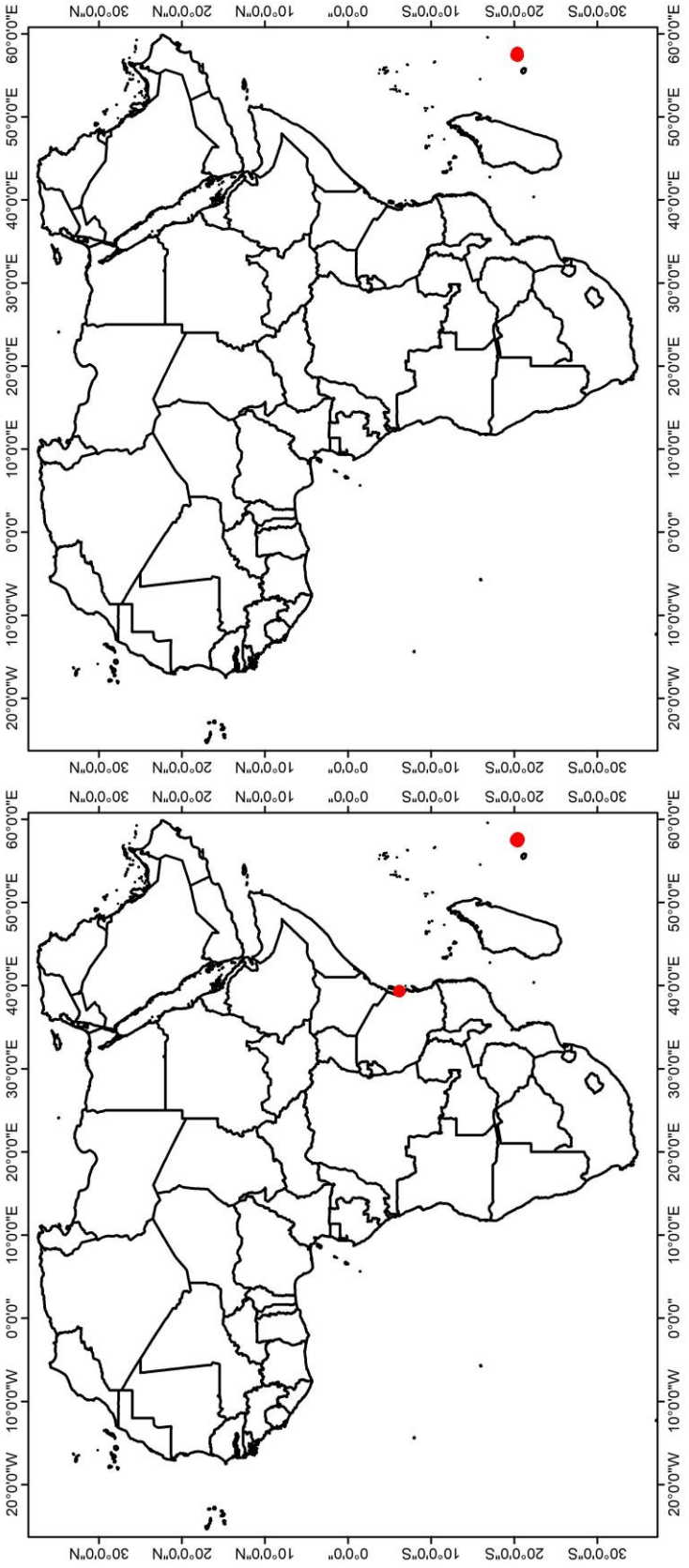

Distribution maps for *Pteropus niger* (Kerr, 1792)
(left: all voucher specimens; right: voucher specimens collected since 1998).

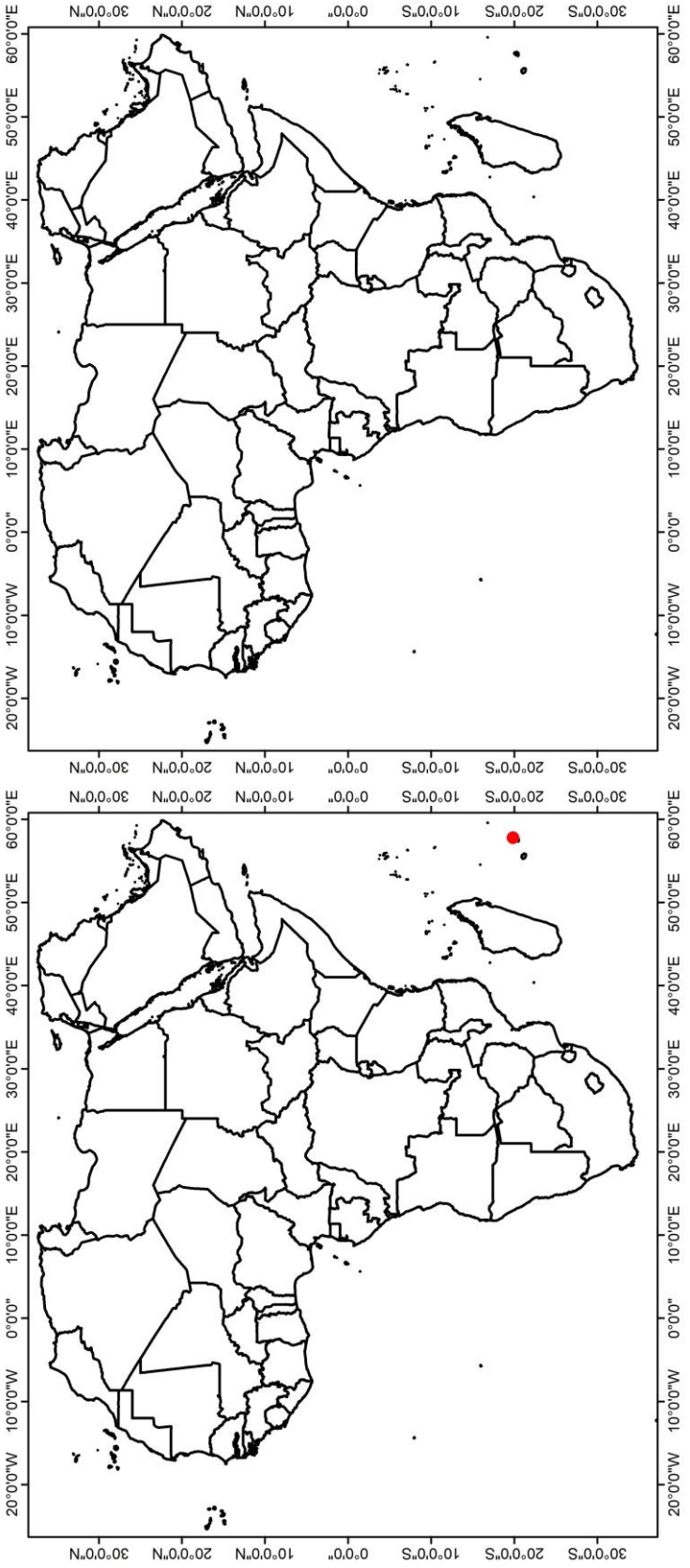

Distribution maps for *Pteropus rodricensis* Dobson, 1878
(left: all voucher specimens; right: voucher specimens collected since 1998).

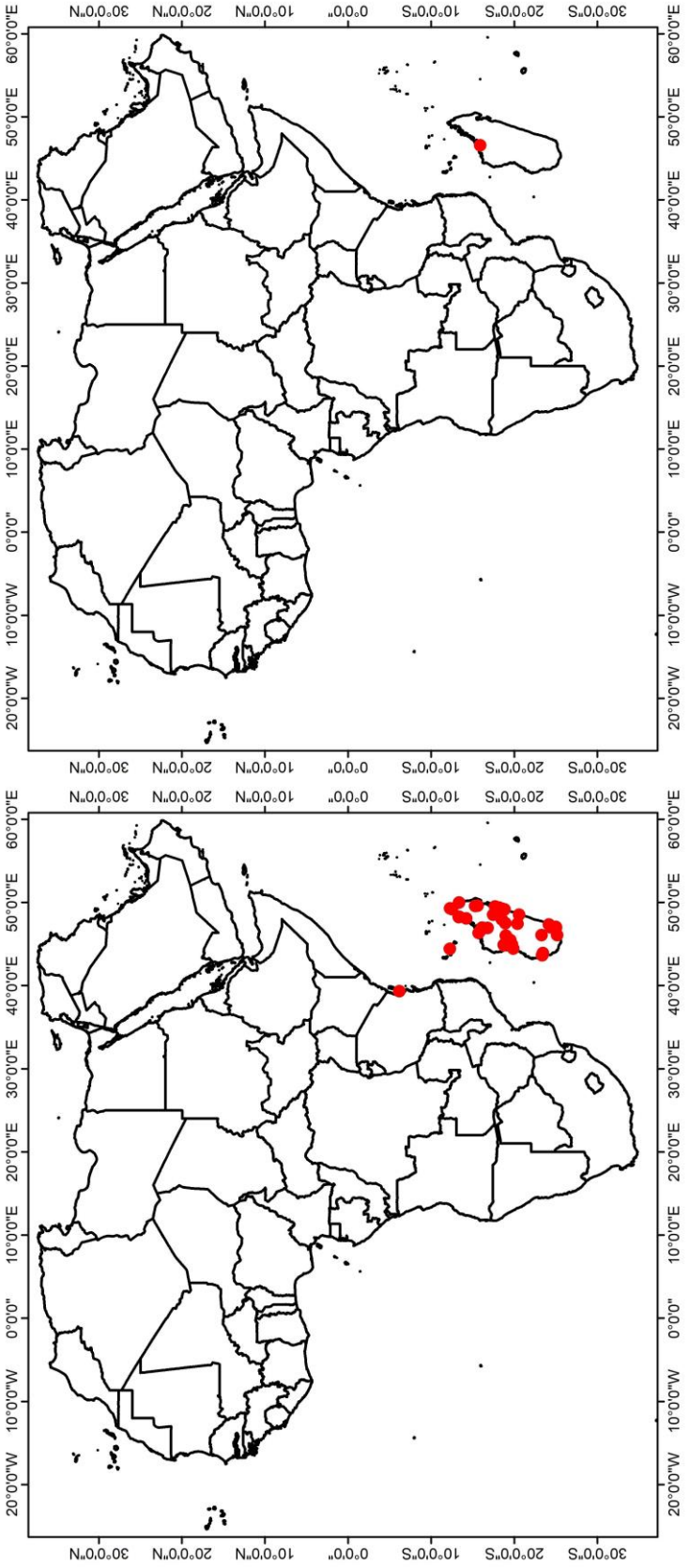

Distribution maps for *Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
(left: all voucher specimens; right: voucher specimens collected since 1998).

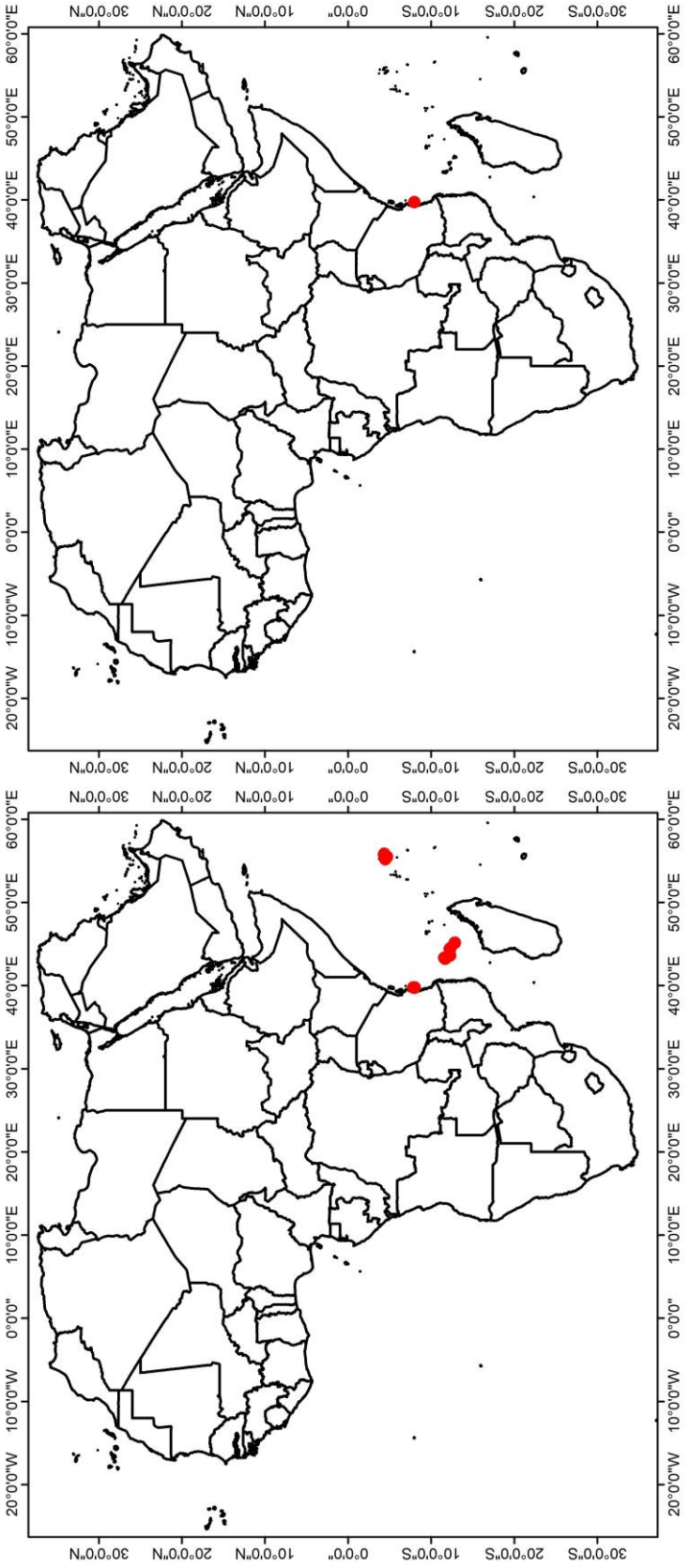

Distribution maps for *Pteropus seychellensis* A. Milne-Edwards, 1877 (left: all voucher specimens; right: voucher specimens collected since 1998).

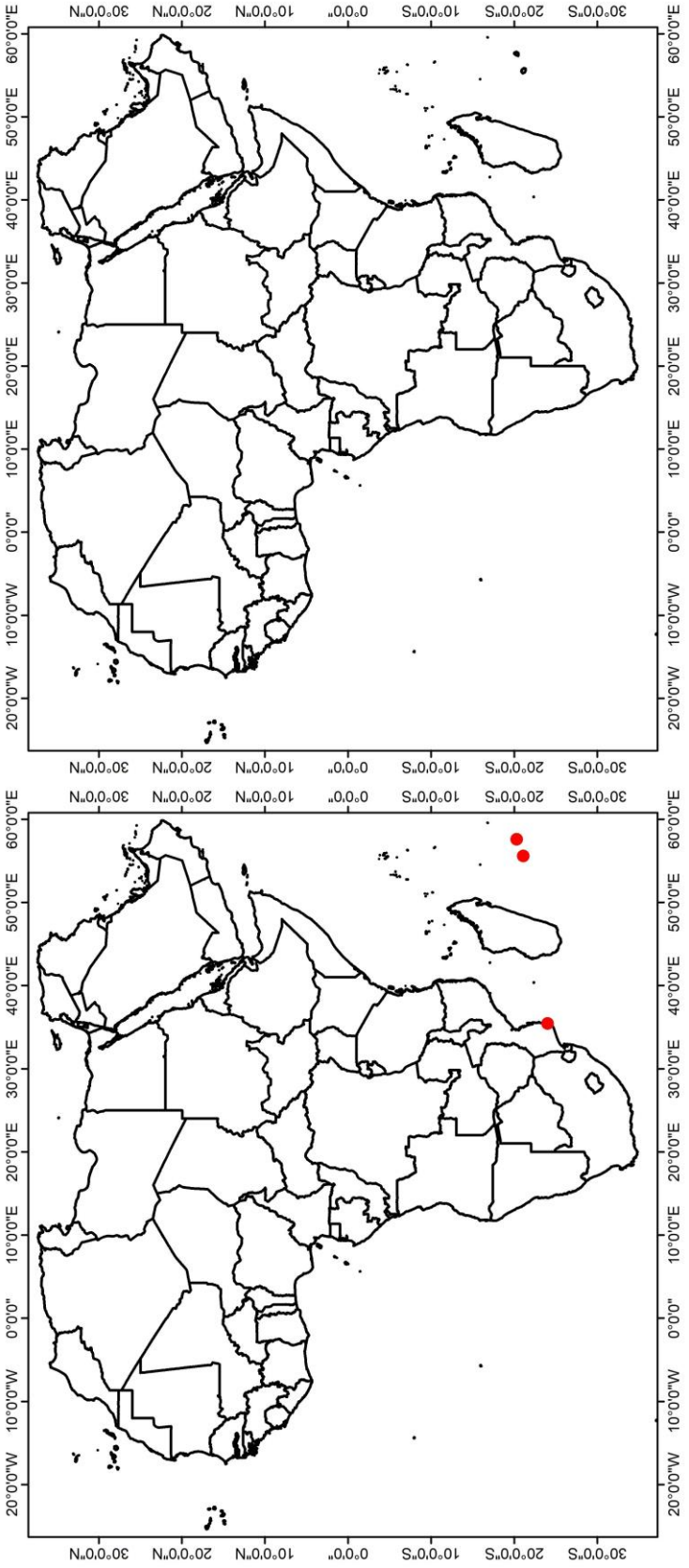

Distribution maps for *Pteropus subniger* (Kerr, 1792)
(left: all voucher specimens; right: voucher specimens collected since 1998).

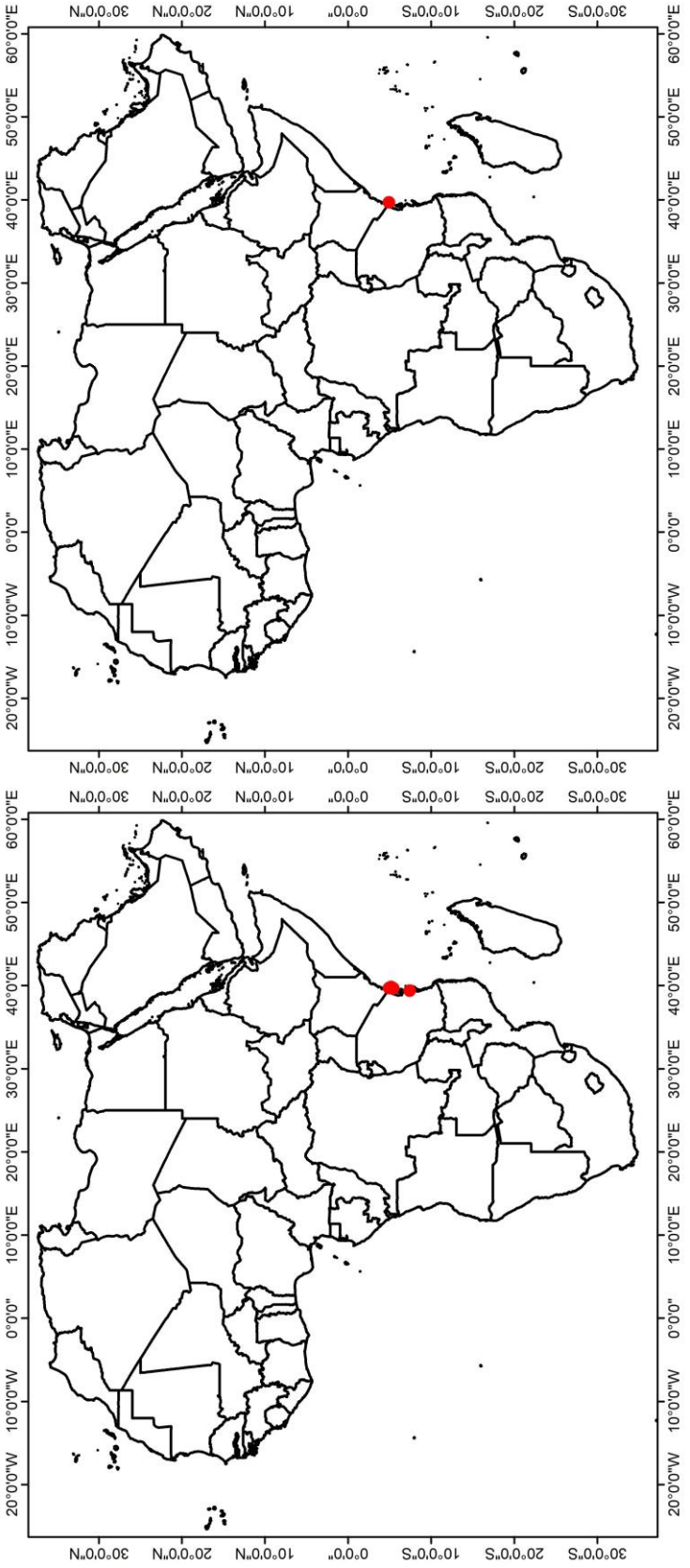

Distribution maps for *Pteropus voeltzkowi* Matschie, 1909
(left: all voucher specimens; right: voucher specimens collected since 1998).

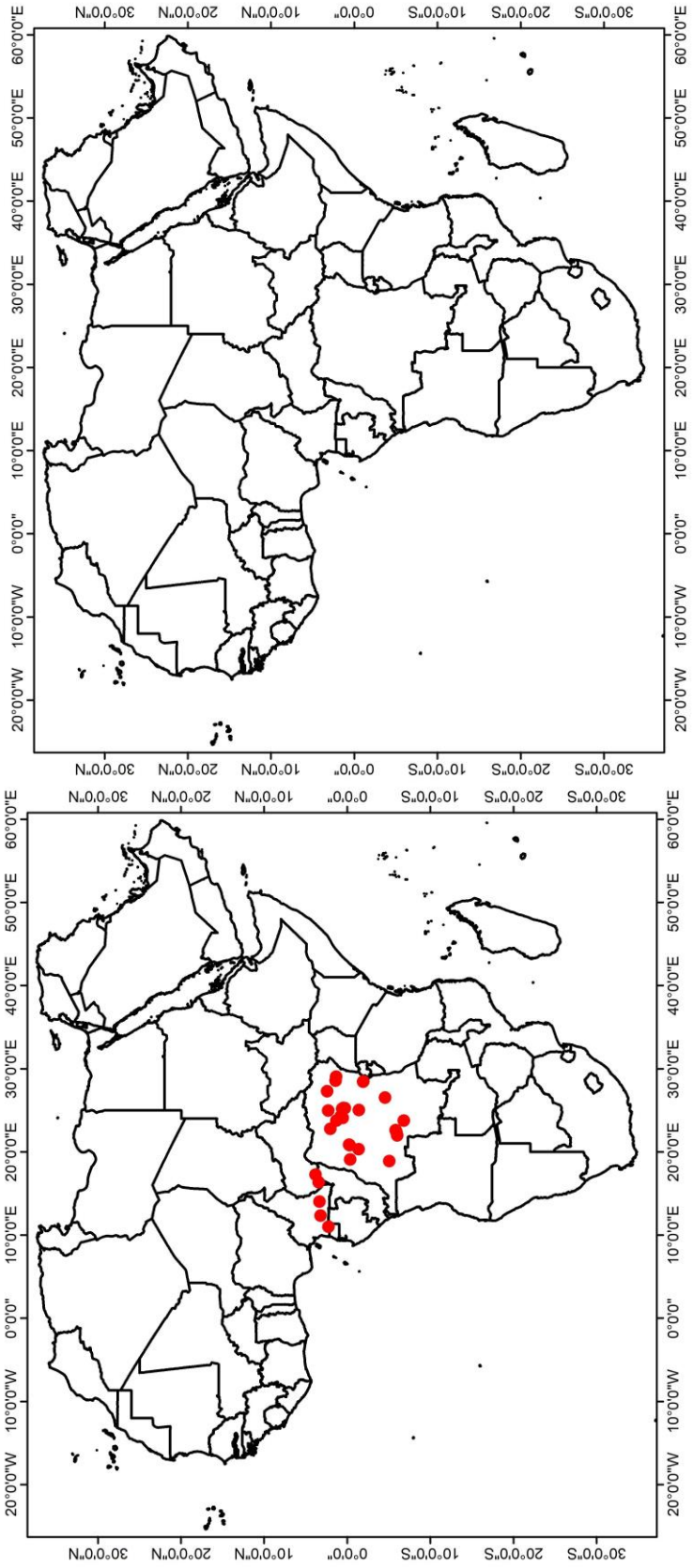

Distribution maps for *Casinycteris argynnis* Thomas, 1910
(left: all voucher specimens; right: voucher specimens collected since 1998).

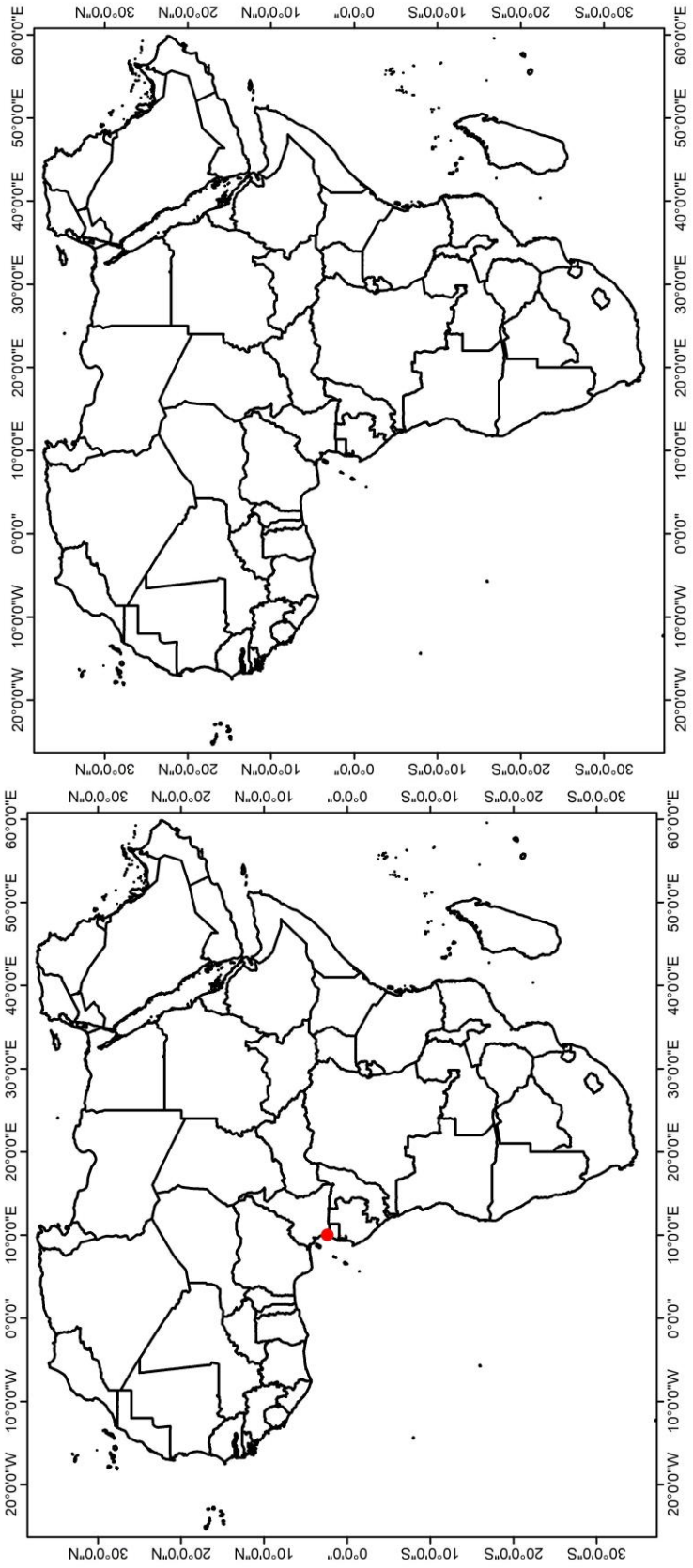

Distribution maps for *Casinycteris campomaanensis* Hassanin, 2014
(left: all voucher specimens; right: voucher specimens collected since 1998).

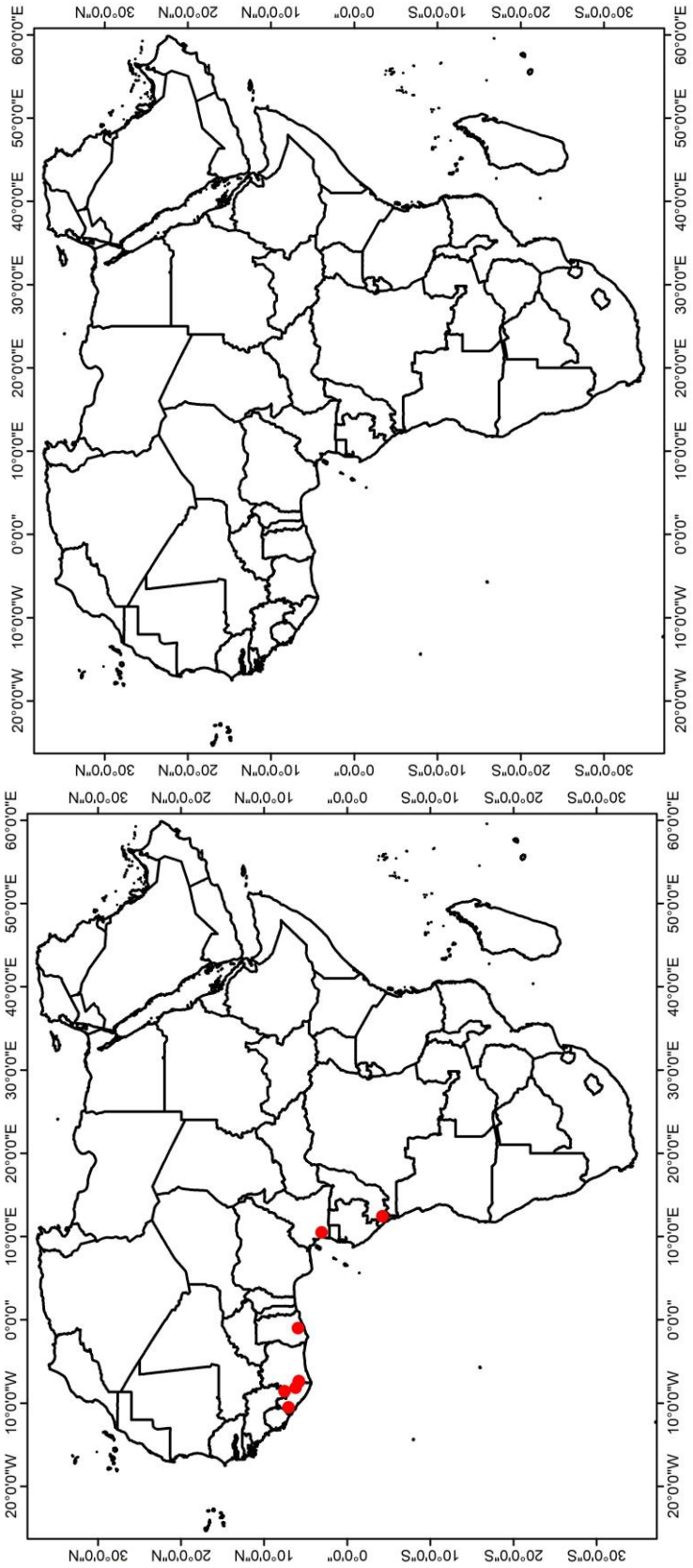

Distribution maps for *Casinycteris ophiodon* (Pohle, 1943)
(left: all voucher specimens; right: voucher specimens collected since 1998).

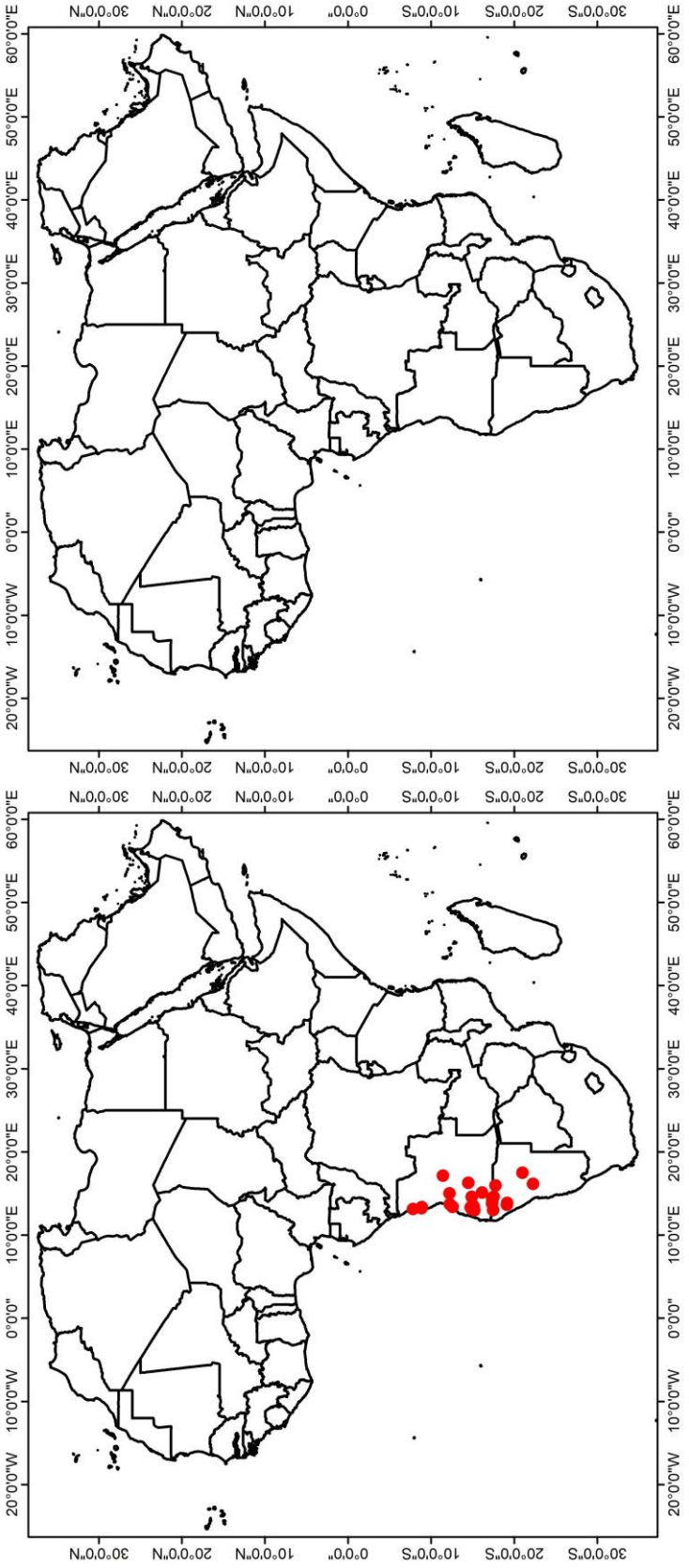

Distribution maps for *Epomophorus angolensis* Gray, 1870
(left: all voucher specimens; right: voucher specimens collected since 1998).

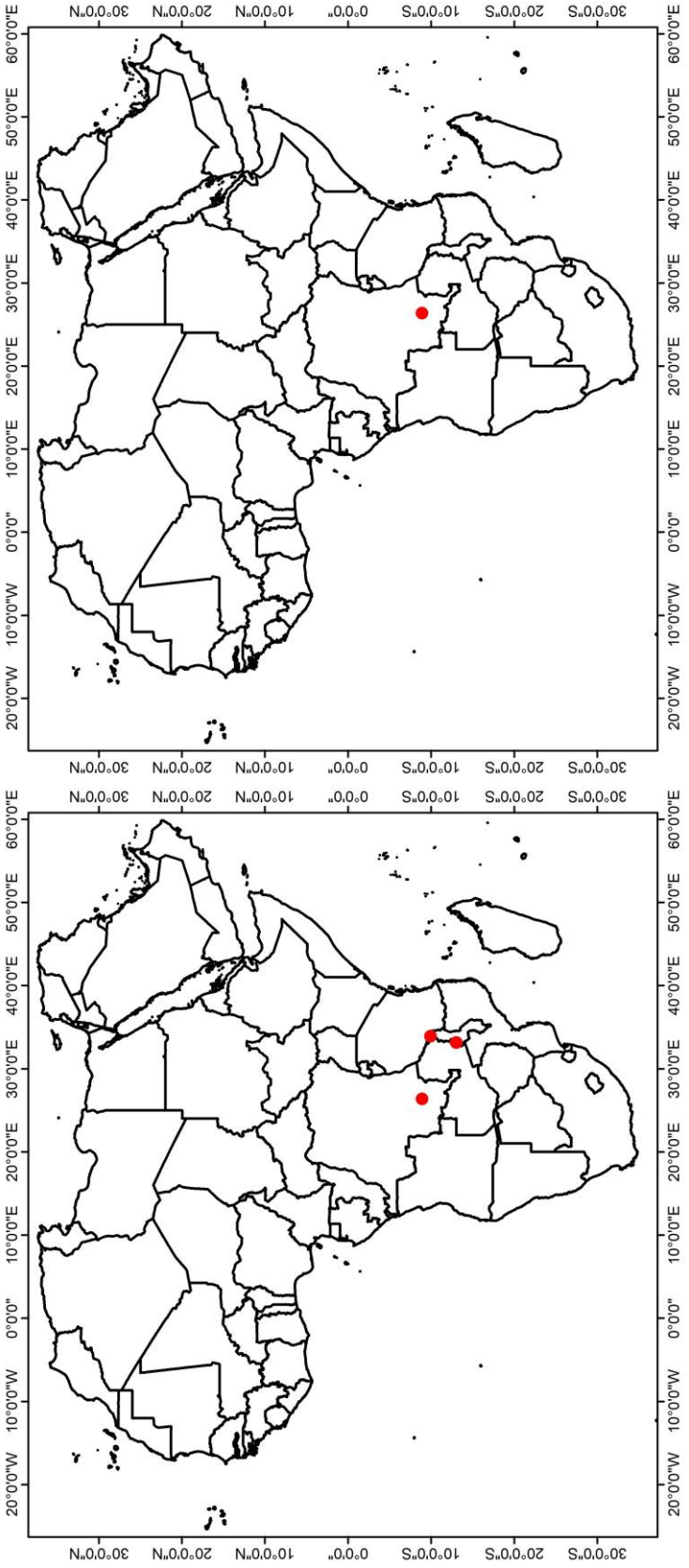

Distribution maps for *Epomophorus anselli* Bergmans and Van Strien, 2004
(left: all voucher specimens; right: voucher specimens collected since 1998).

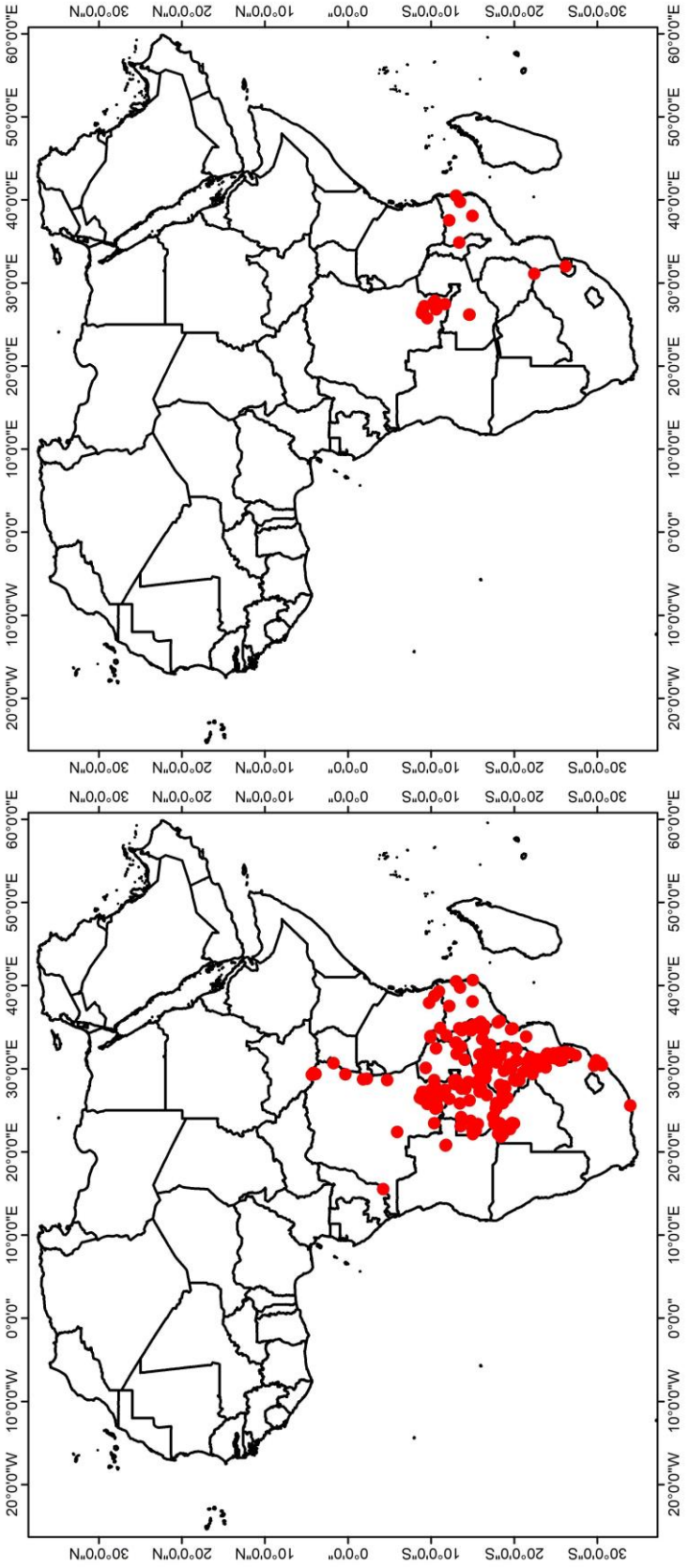

Distribution maps for *Epomophorus crypturus* Peters, 1852
(left: all voucher specimens; right: voucher specimens collected since 1998).

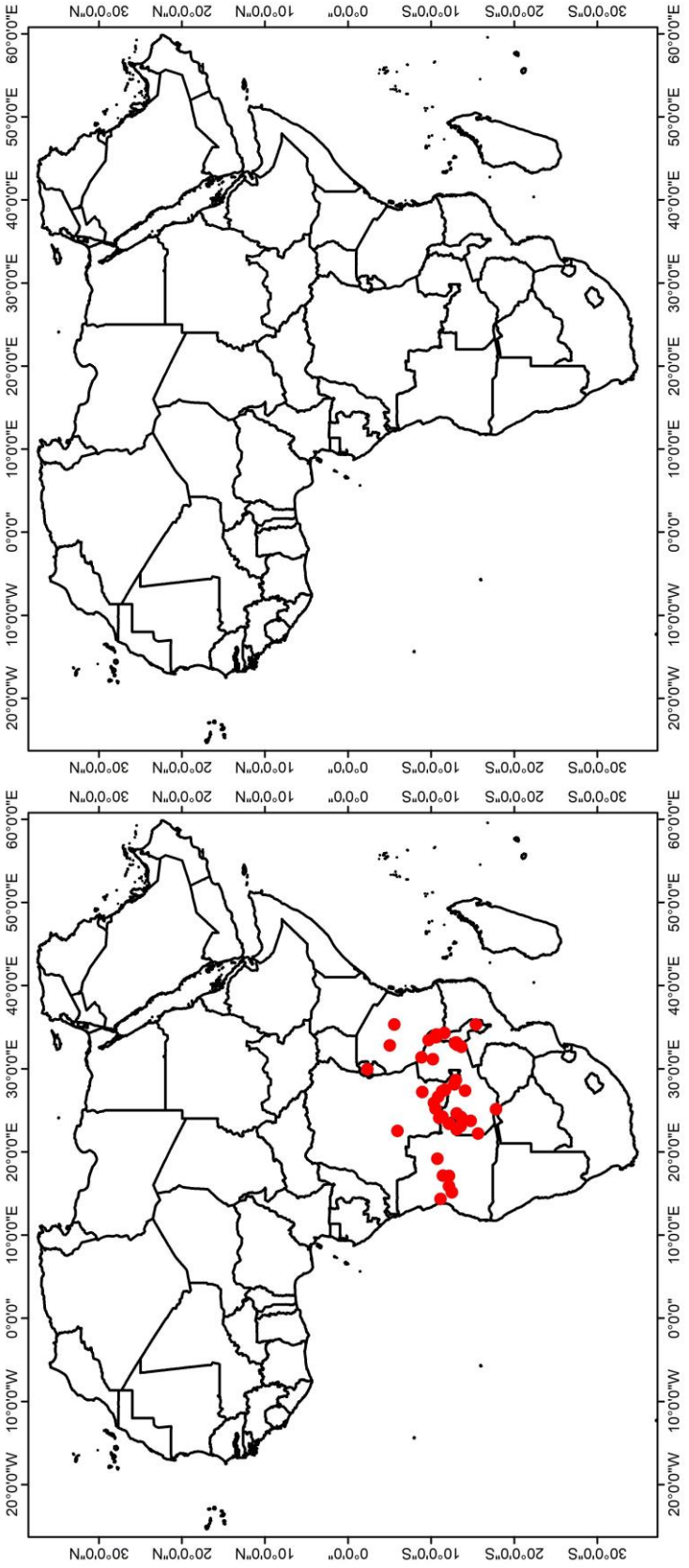

Distribution maps for *Epomophorus dobsonii* Bocage, 1889
(left: all voucher specimens; right: voucher specimens collected since 1998).

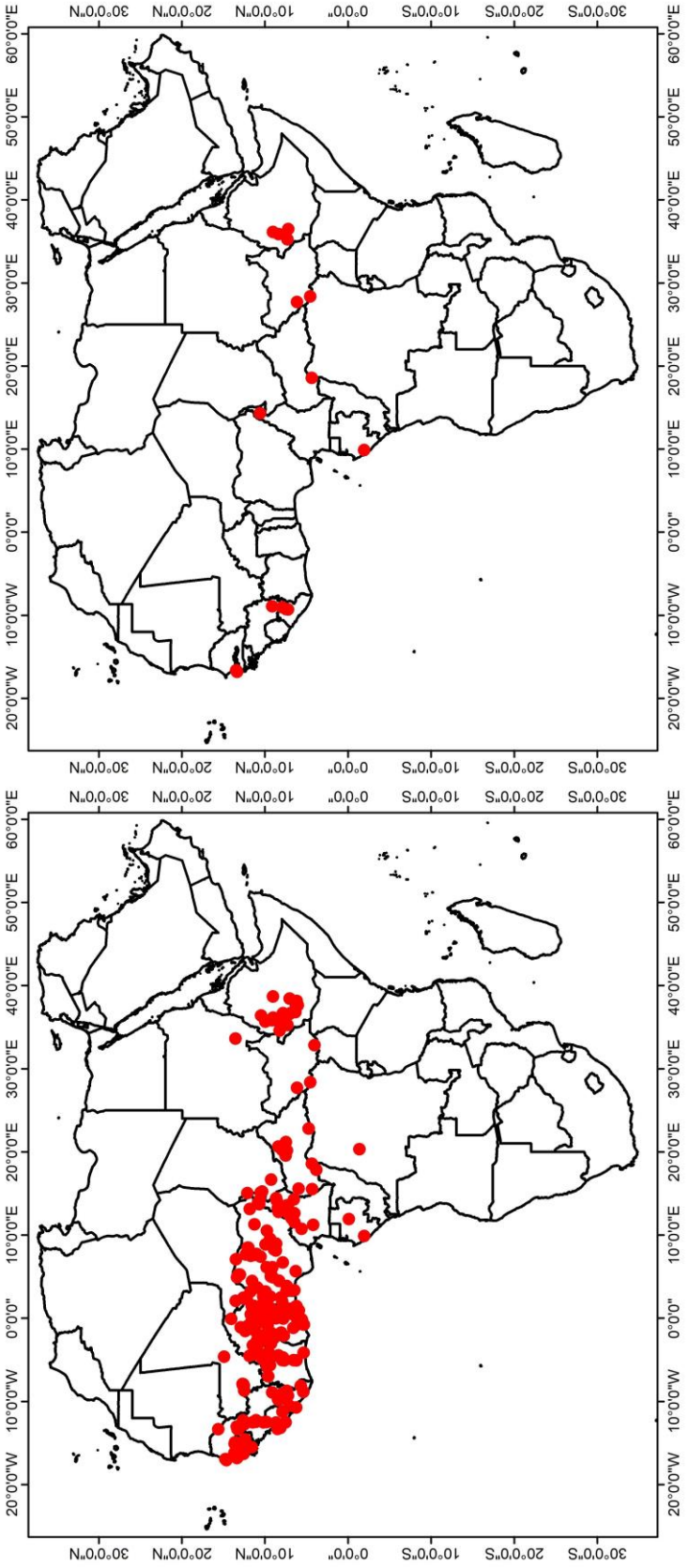

Distribution maps for *Epomophorus gambianus* (Ogilby, 1835)
(left: all voucher specimens; right: voucher specimens collected since 1998).

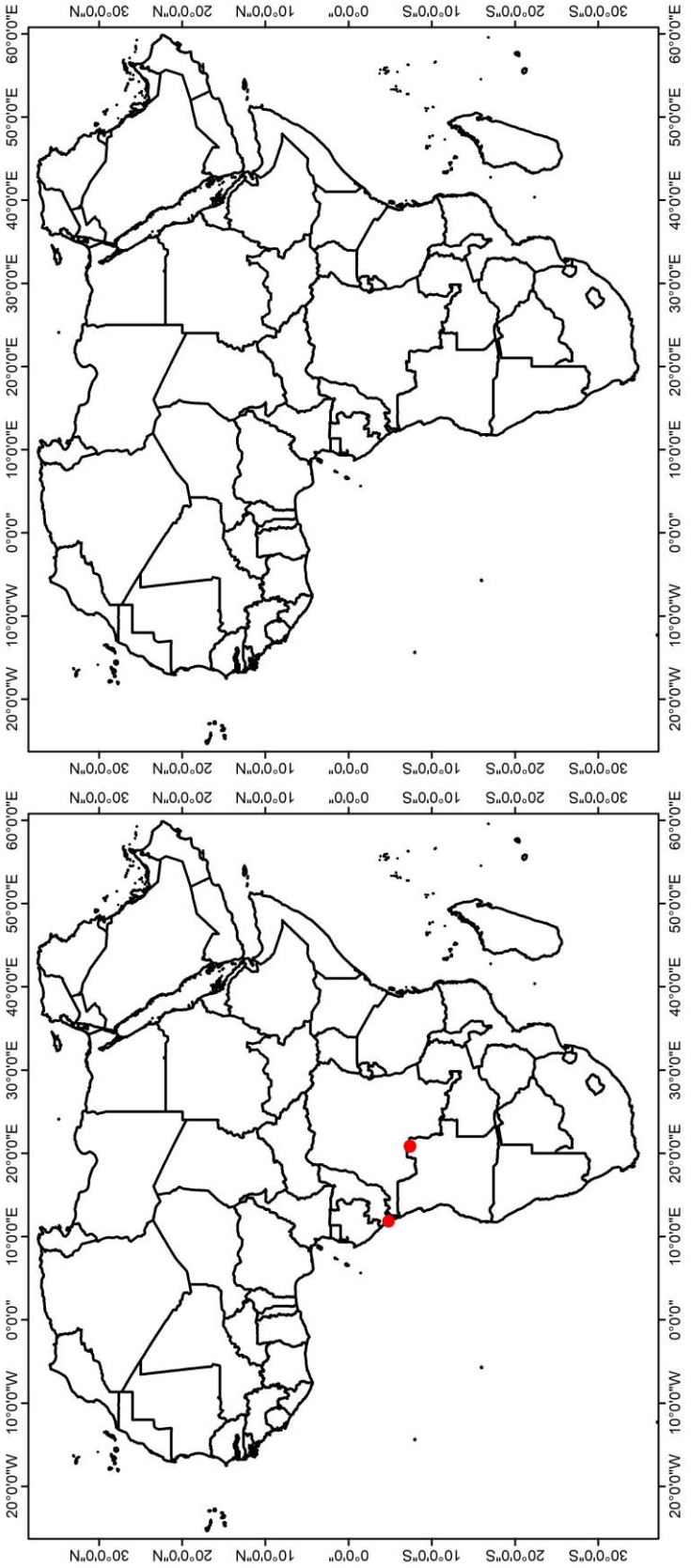

Distribution maps for *Epomophorus grandis* (Sanborn, 1950)
(left: all voucher specimens; right: voucher specimens collected since 1998).

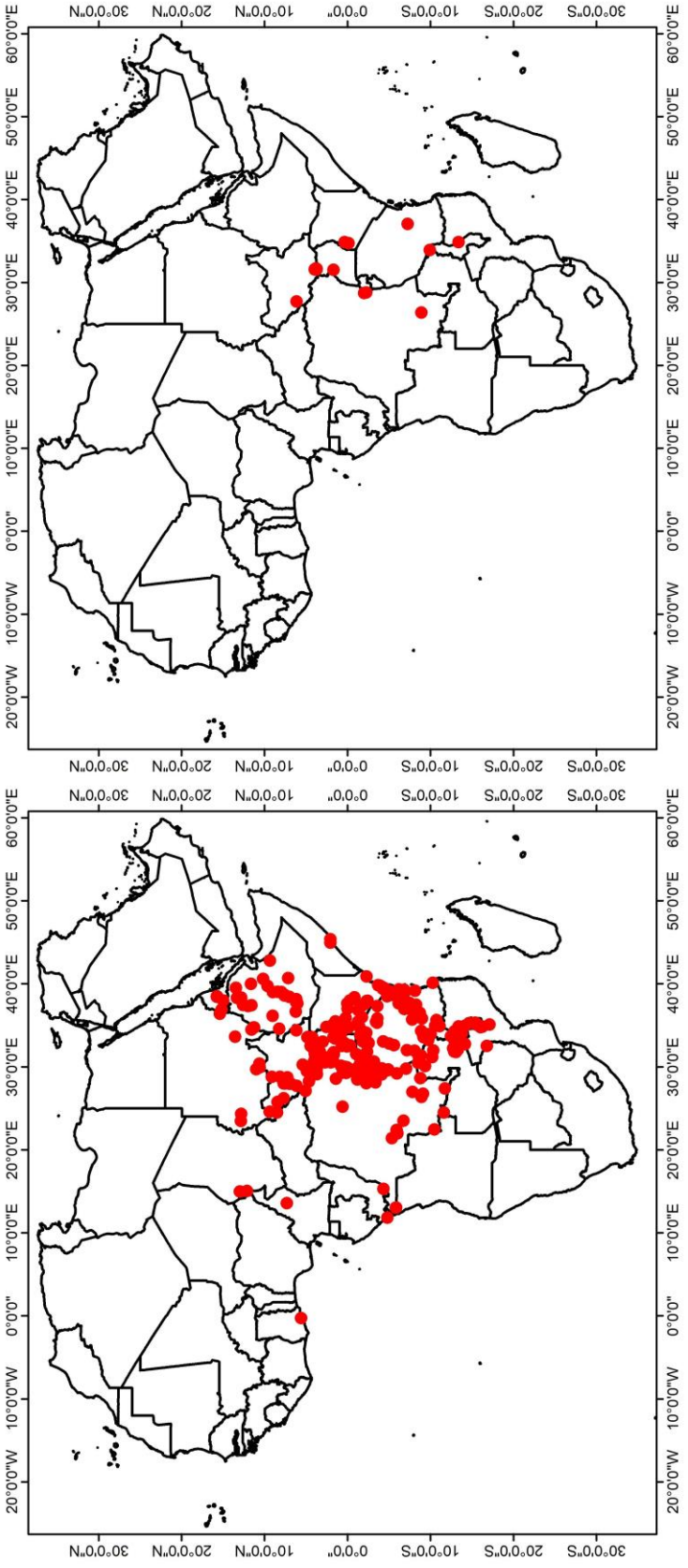

Distribution maps for *Epomophorus labiatus* (Temminck, 1837)
(left: all voucher specimens; right: voucher specimens collected since 1998).

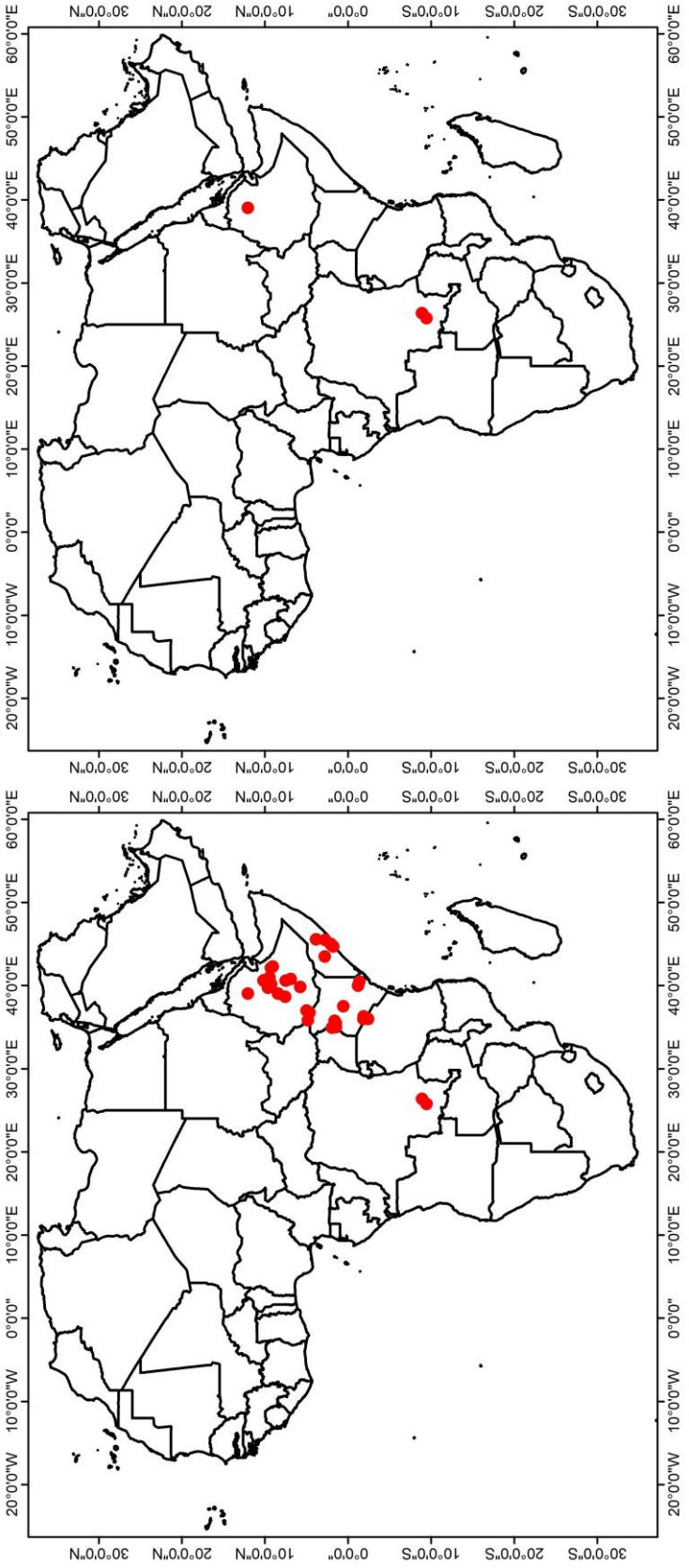

Distribution maps for *Epomophorus minimus* Claessen & De Vree, 1991
(left: all voucher specimens; right: voucher specimens collected since 1998).

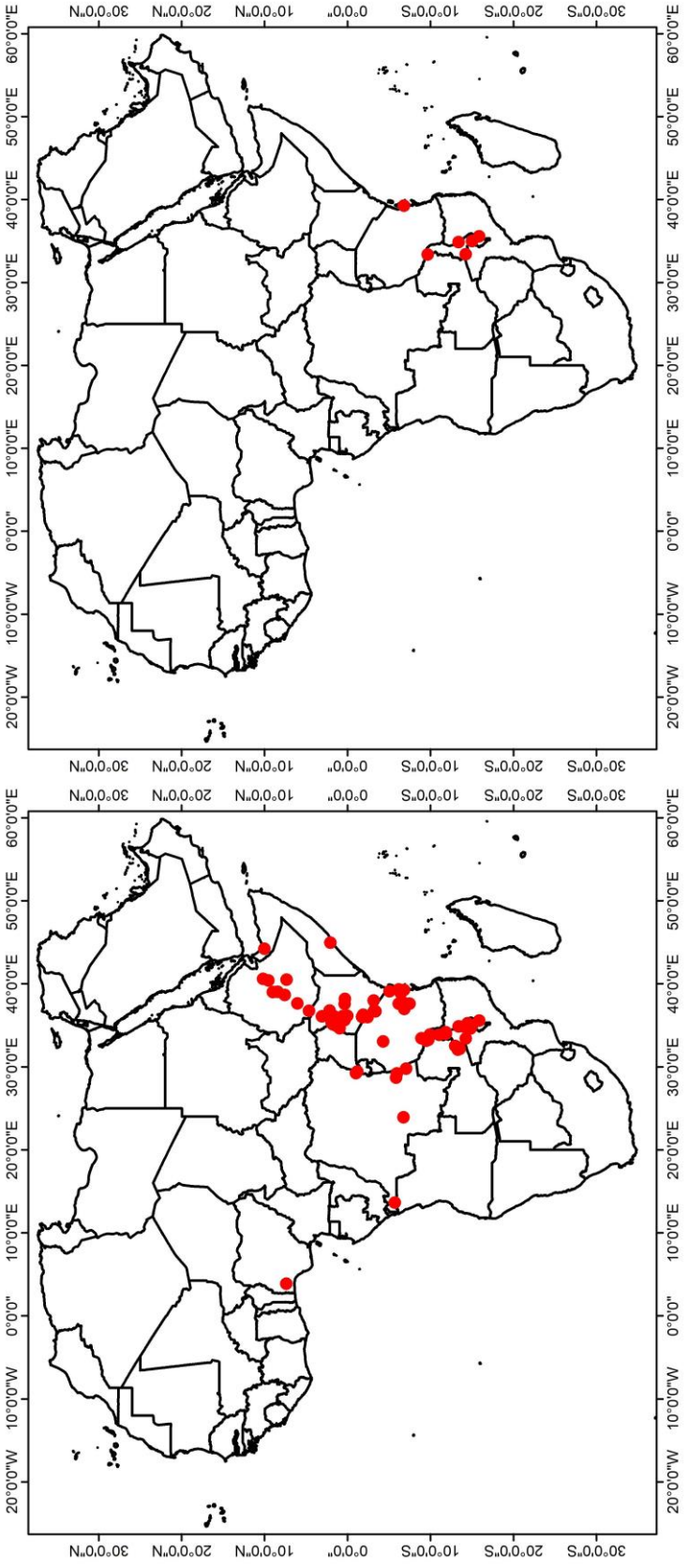

Distribution maps for *Epomophorus minor* Dobson, 1880
(left: all voucher specimens; right: voucher specimens collected since 1998).

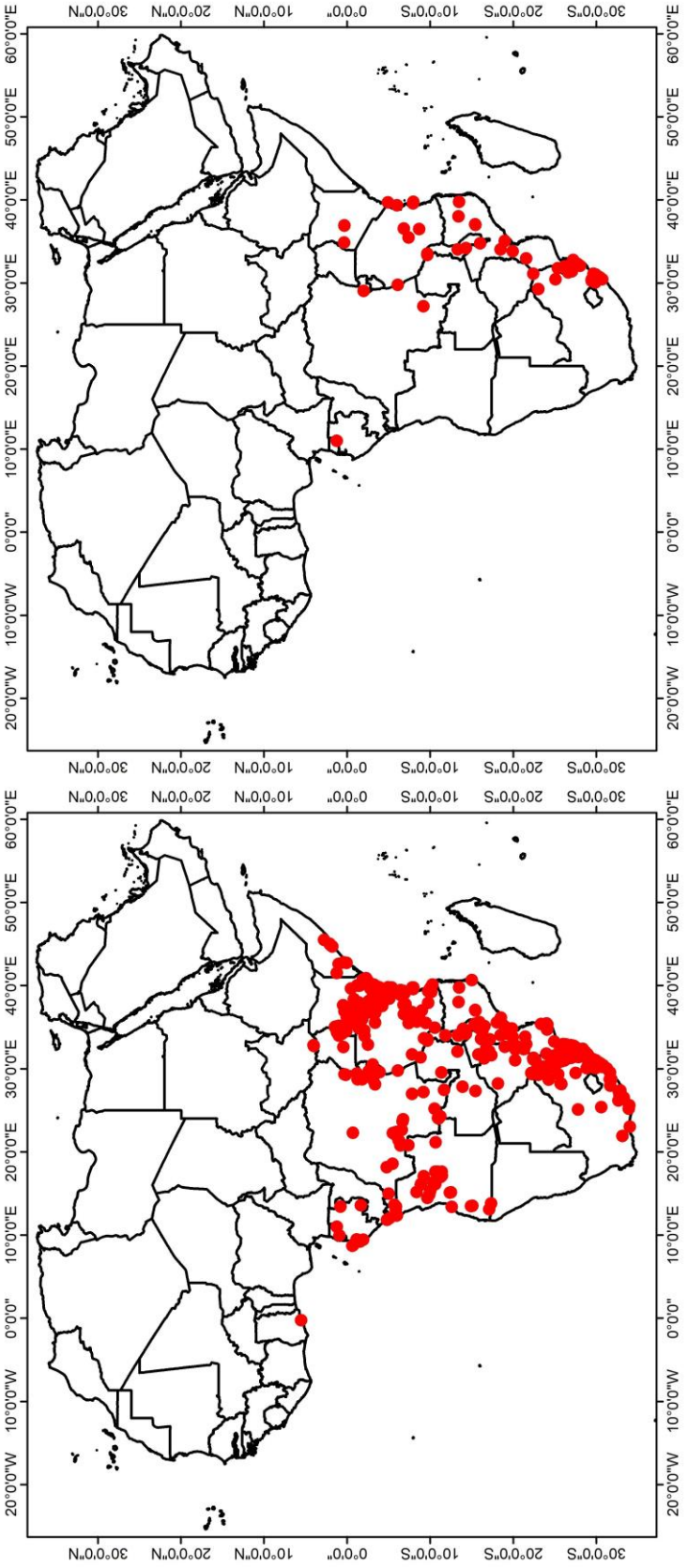

Distribution maps for *Epomophorus wahlbergi* (Sundevall, 1846)
(left: all voucher specimens; right: voucher specimens collected since 1998).

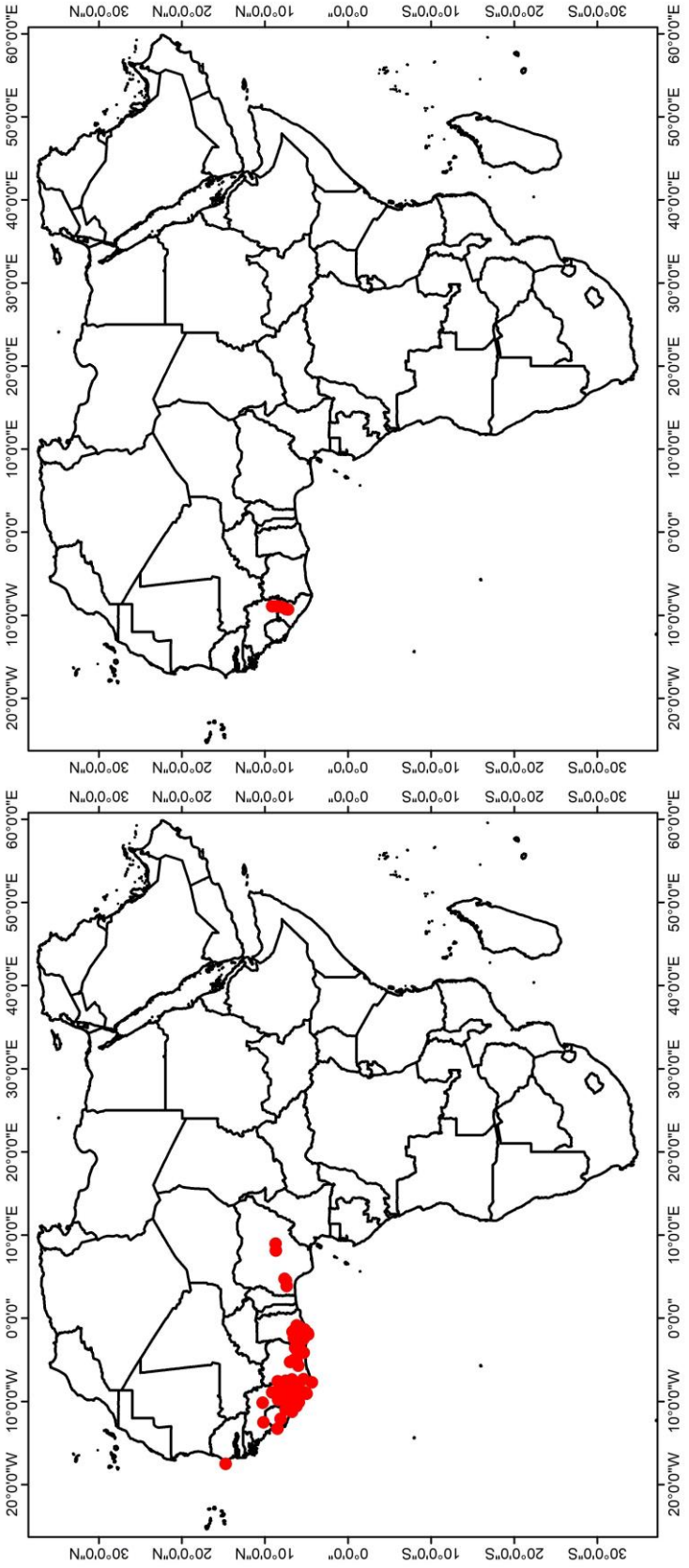

Distribution maps for *Epomops buettikoferi* (Matschie, 1899)
(left: all voucher specimens; right: voucher specimens collected since 1998).

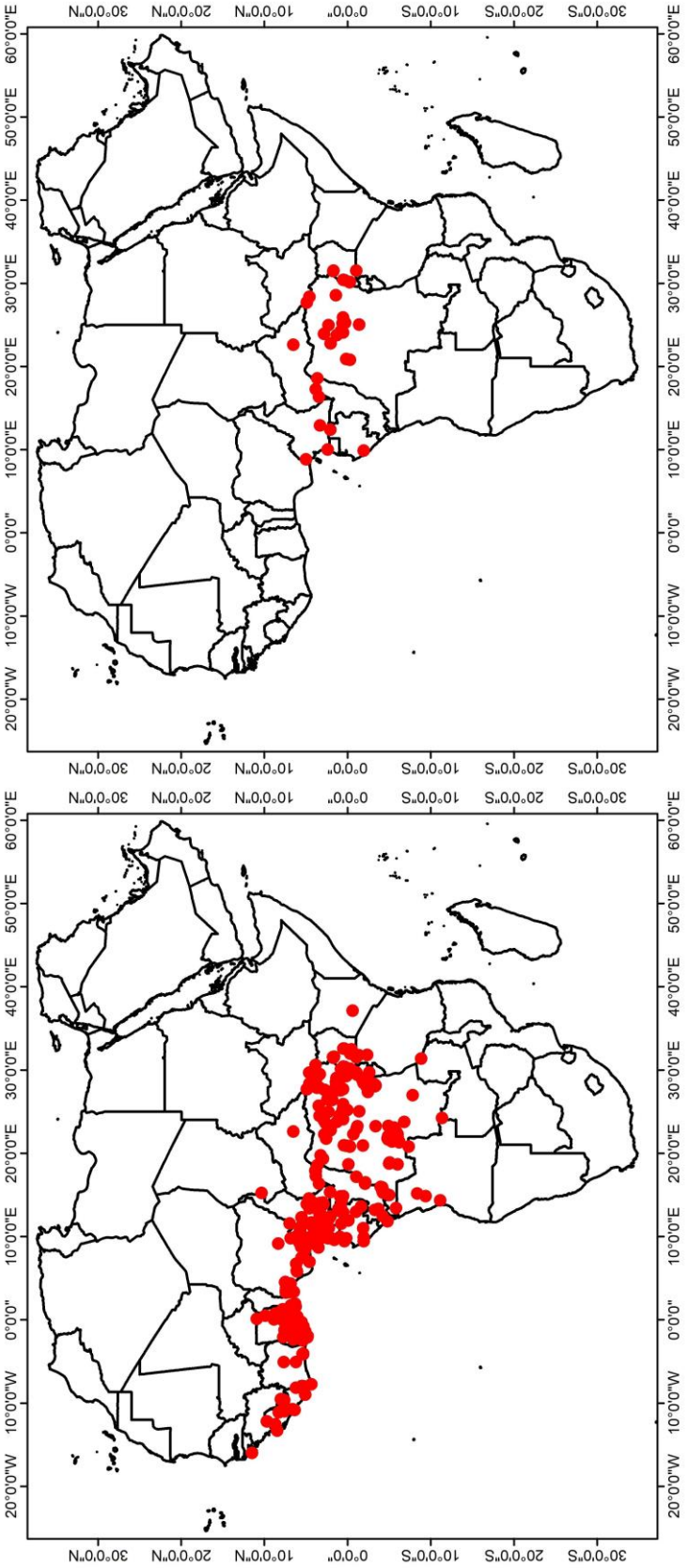

Distribution maps for *Epomops franqueti* (Tomes, 1860)
(left: all voucher specimens; right: voucher specimens collected since 1998).

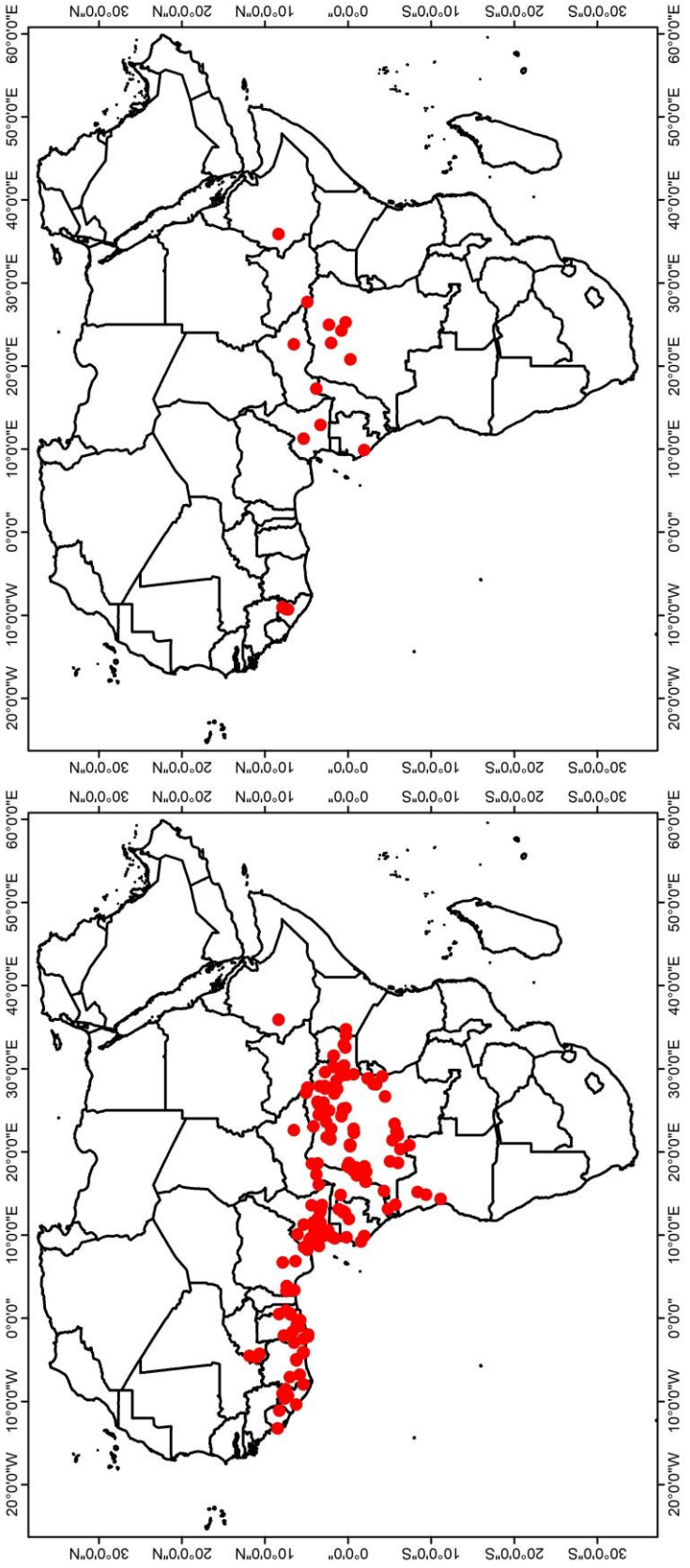

Distribution maps for *Hypsignathus monstrosus* H. Allen, 1862
(left: all voucher specimens; right: voucher specimens collected since 1998).

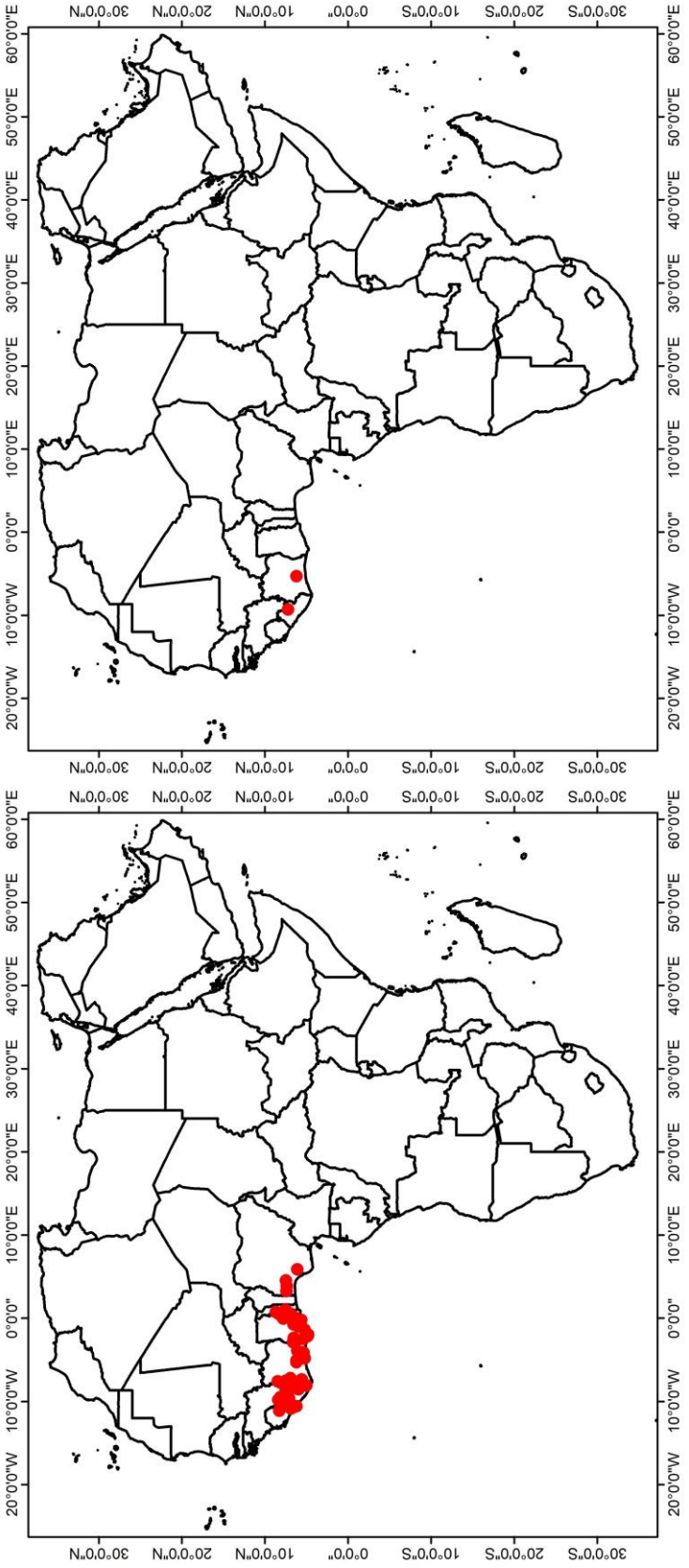

Distribution maps for *Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012
(left: all voucher specimens; right: voucher specimens collected since 1998).

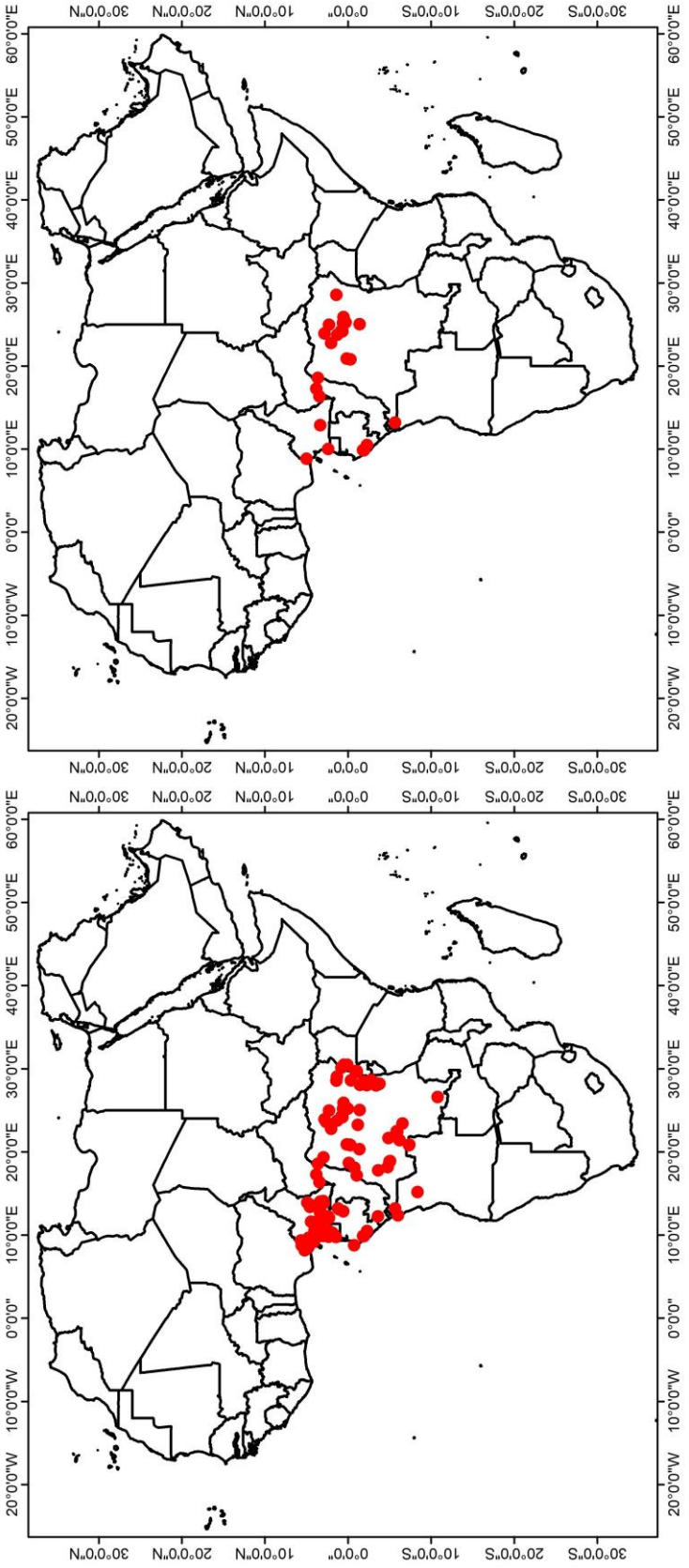

Distribution maps for *Megaloglossus woermanni* Pagenstecher, 1885
(left: all voucher specimens; right: voucher specimens collected since 1998).

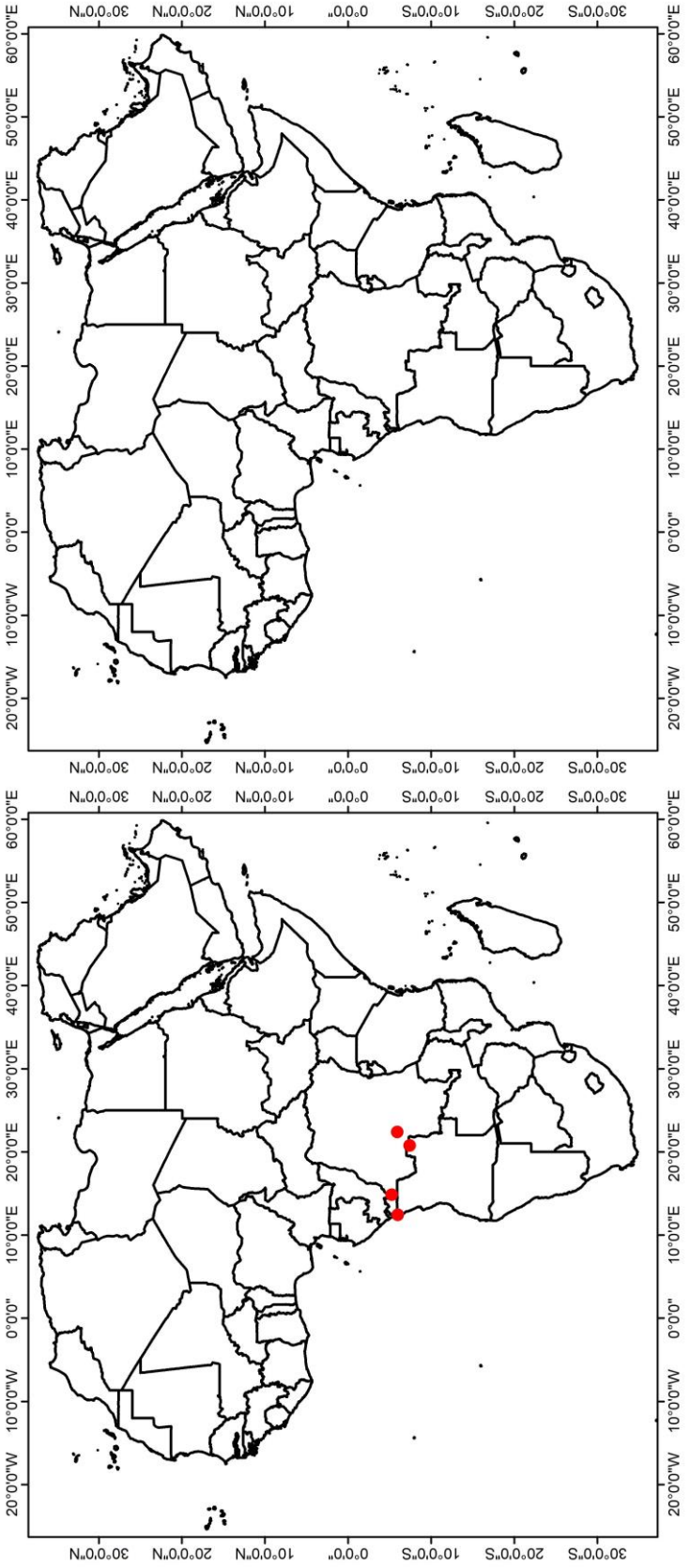

Distribution maps for *Micropteropus intermedius* Hayman, 1963
(left: all voucher specimens; right: voucher specimens collected since 1998).

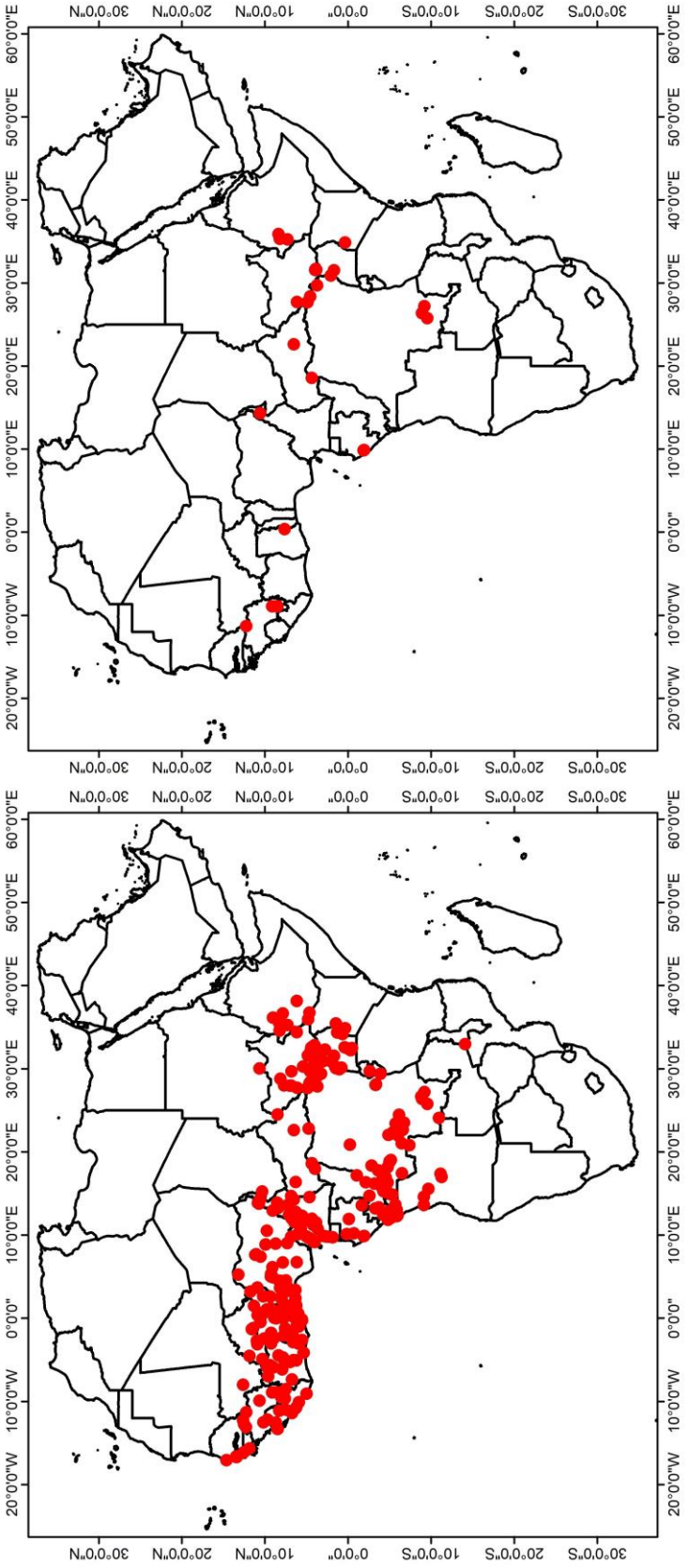

Distribution maps for *Micropteropus pusillus* (Peters, 1868)
(left: all voucher specimens; right: voucher specimens collected since 1998).

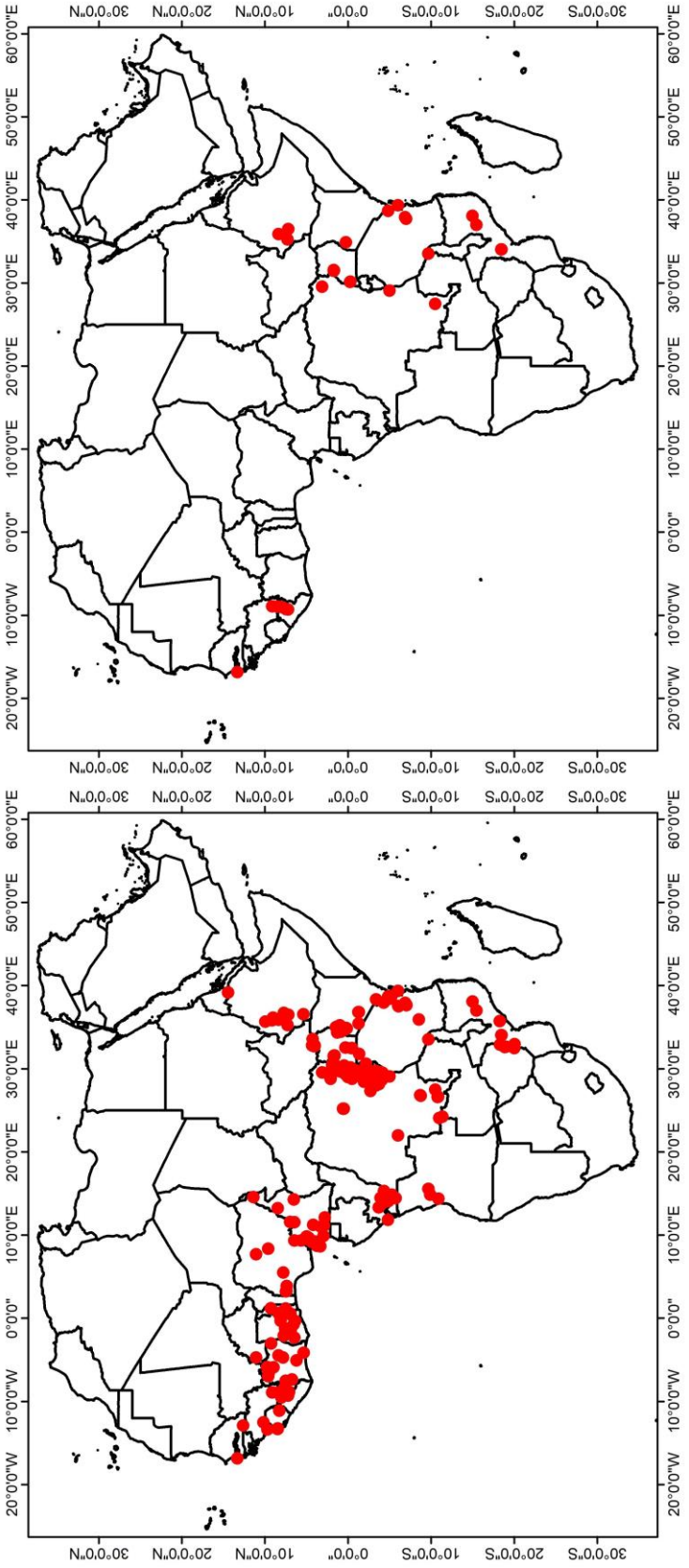

Distribution maps for *Myonycteris angolensis* (Bocage, 1898)
(left: all voucher specimens; right: voucher specimens collected since 1998).

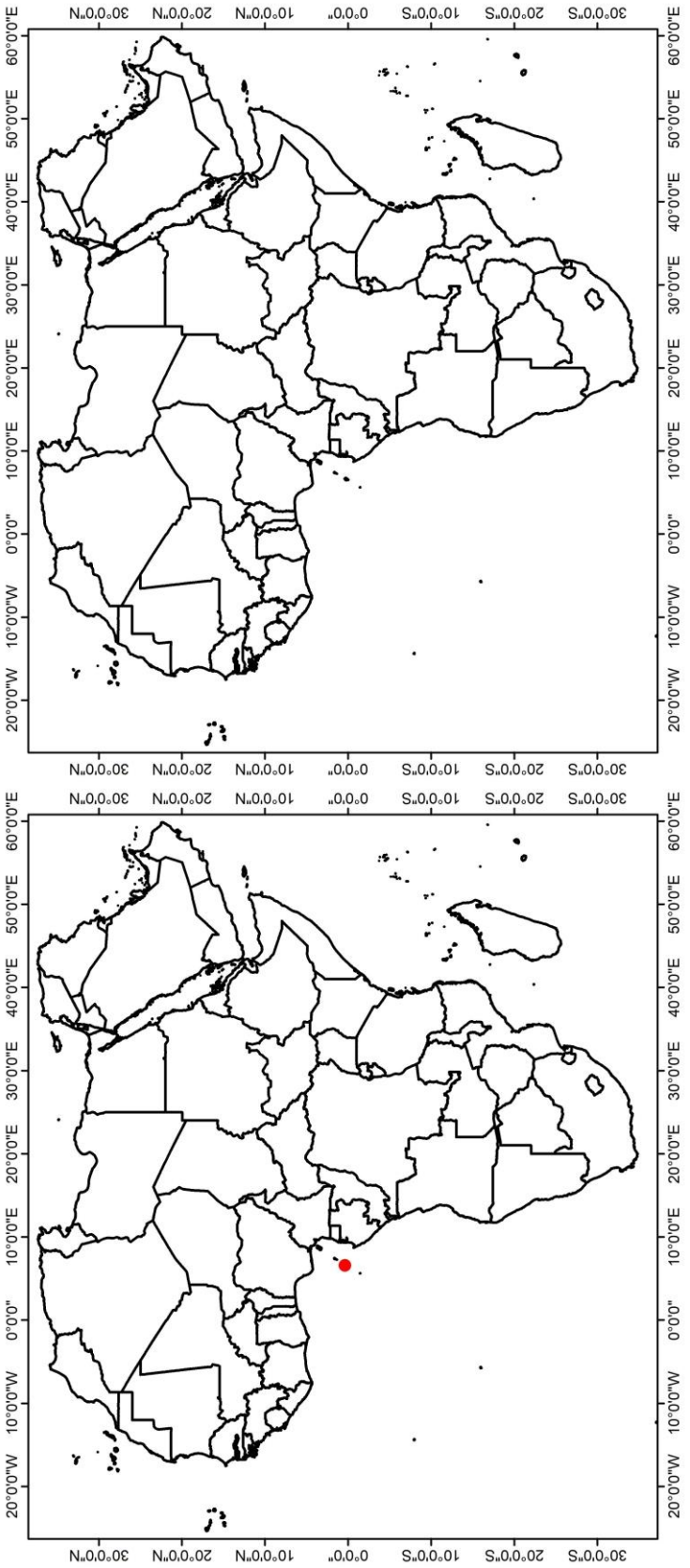

Distribution maps for *Myonycteris brachycephala* (Bocage, 1889)
(left: all voucher specimens; right: voucher specimens collected since 1998).

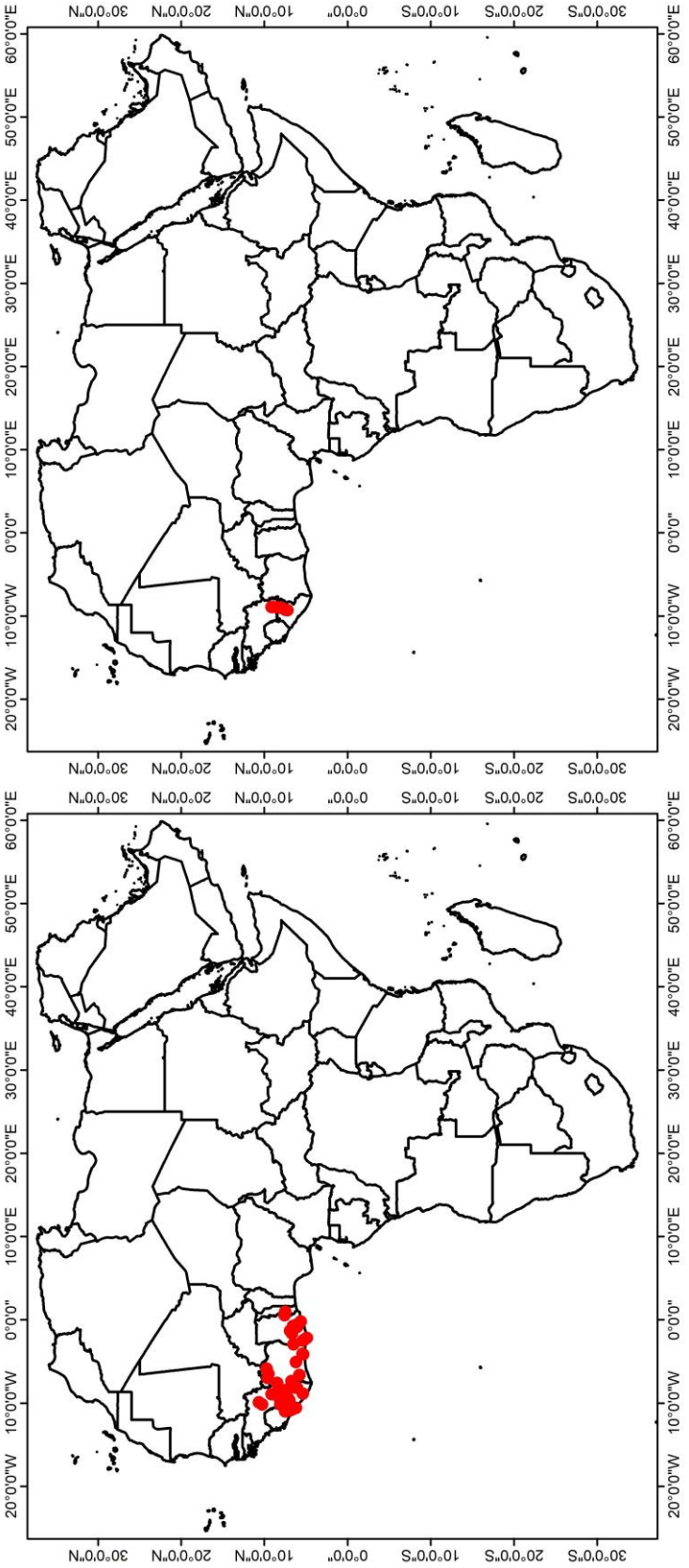

Distribution maps for *Myonycteris leptodon* K. Andersen, 1908
(left: all voucher specimens; right: voucher specimens collected since 1998).

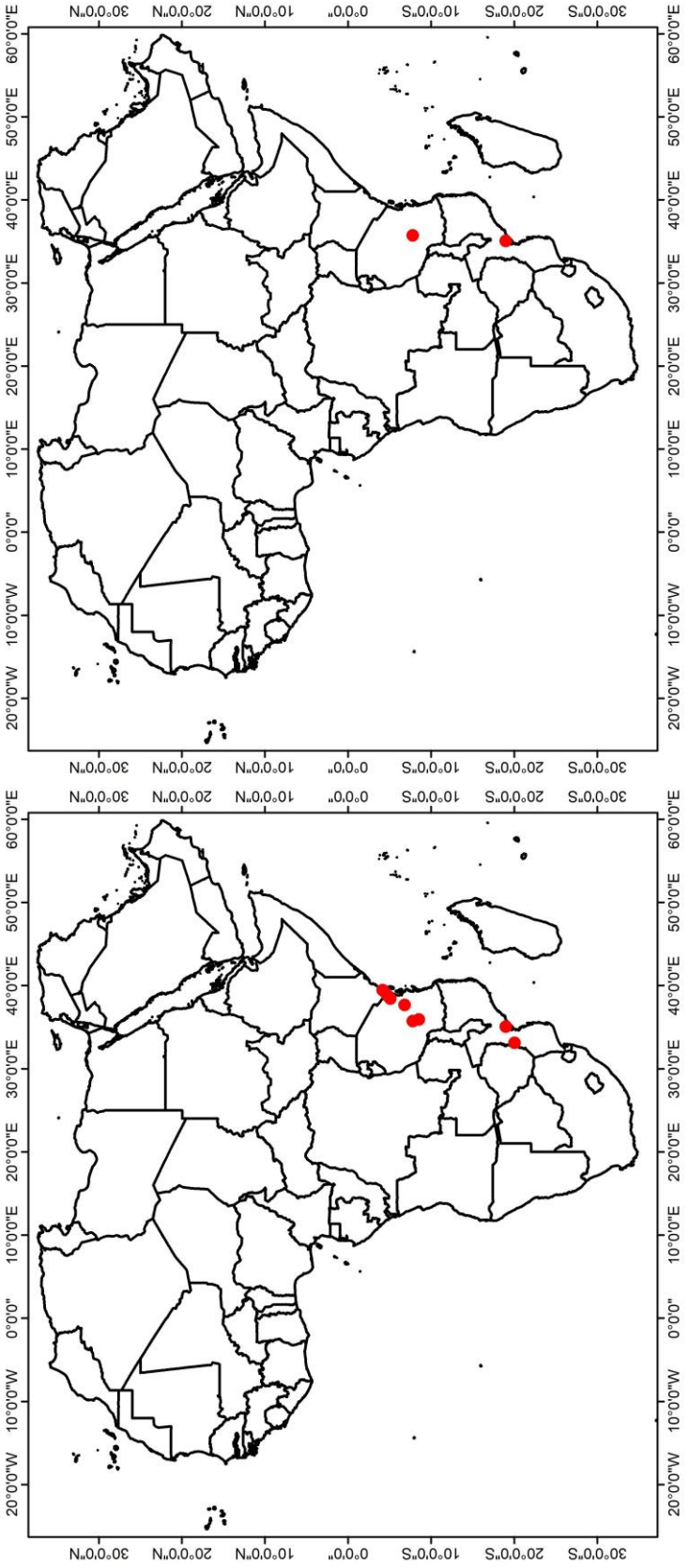

Distribution maps for *Myonycteris relicta* Bergmans, 1980
(left: all voucher specimens; right: voucher specimens collected since 1998).

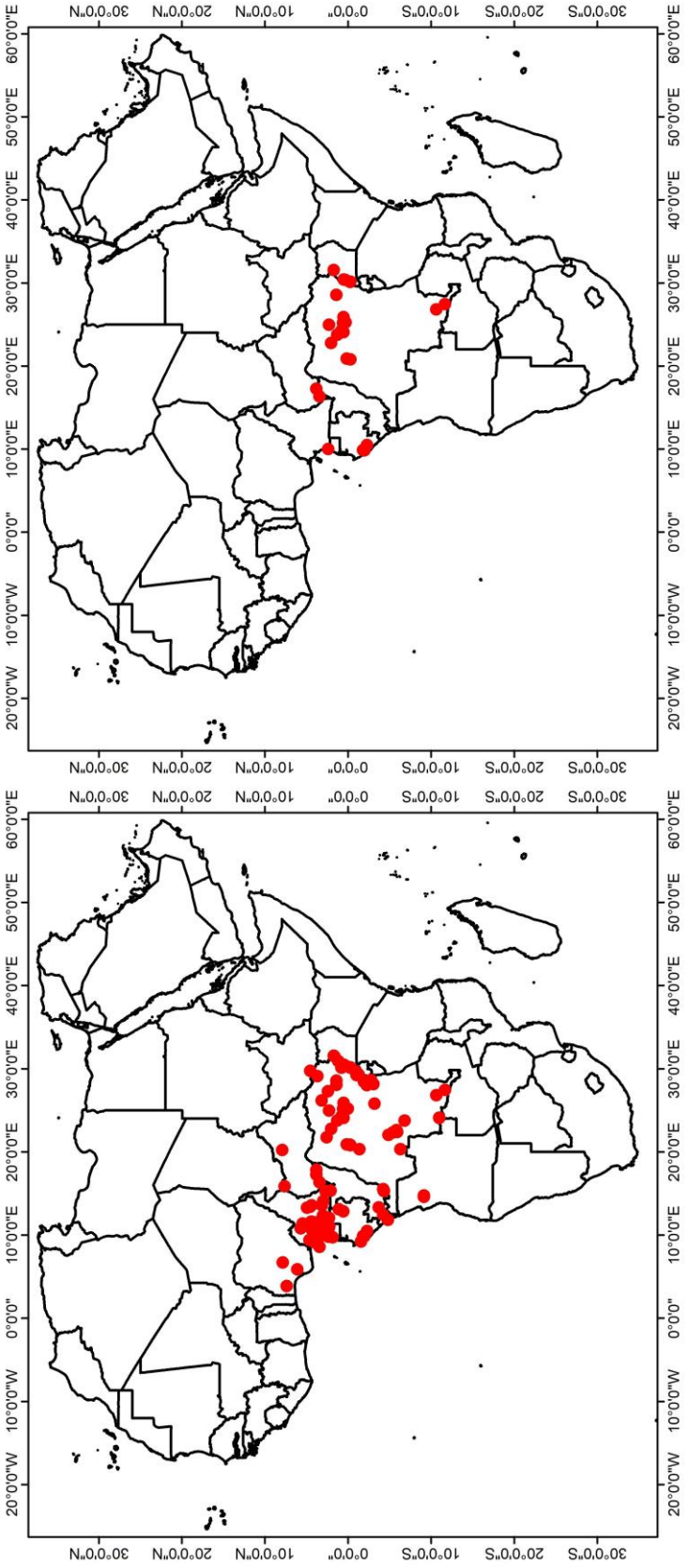

Distribution maps for *Myonycteris torquata* (Dobson, 1878)
(left: all voucher specimens; right: voucher specimens collected since 1998).

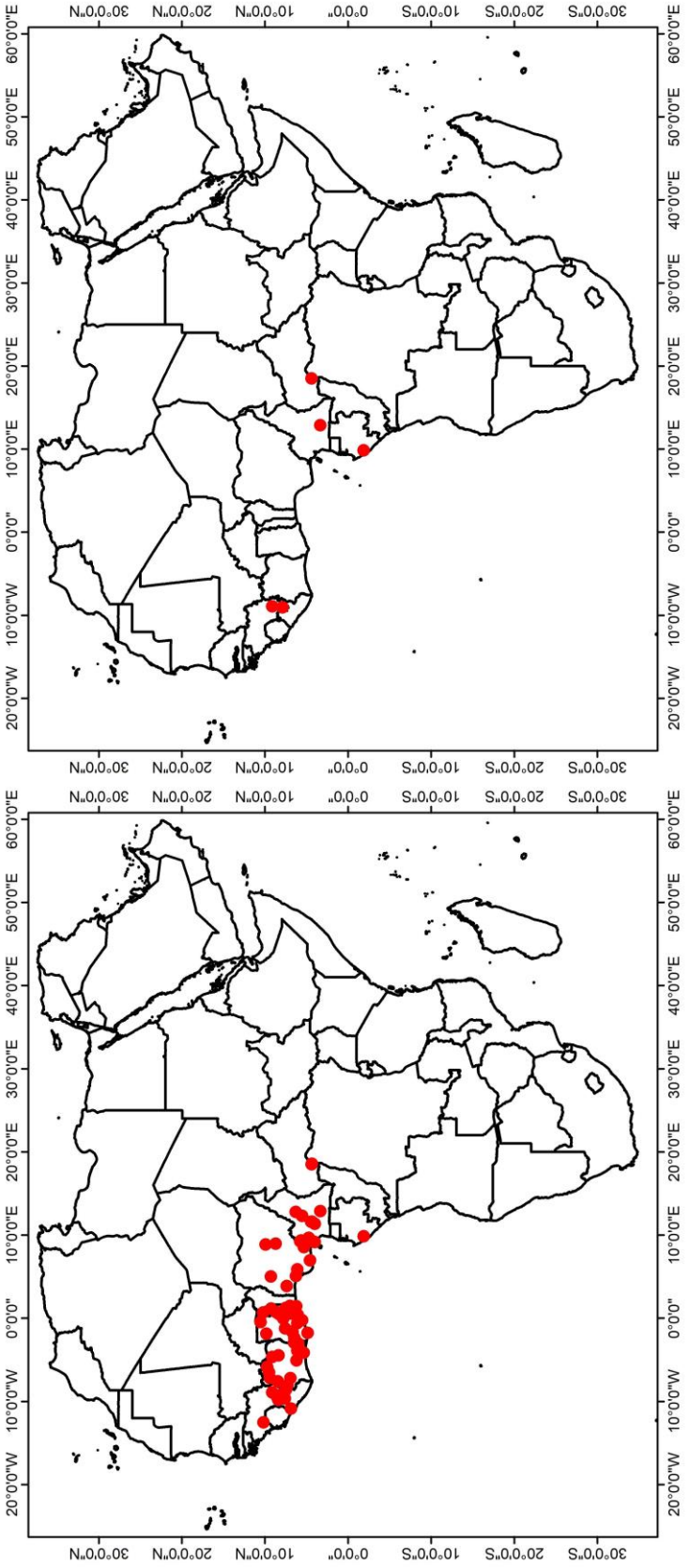

Distribution maps for *Nanonycteris veldkampii* (Jentink, 1888)
(left: all voucher specimens; right: voucher specimens collected since 1998).

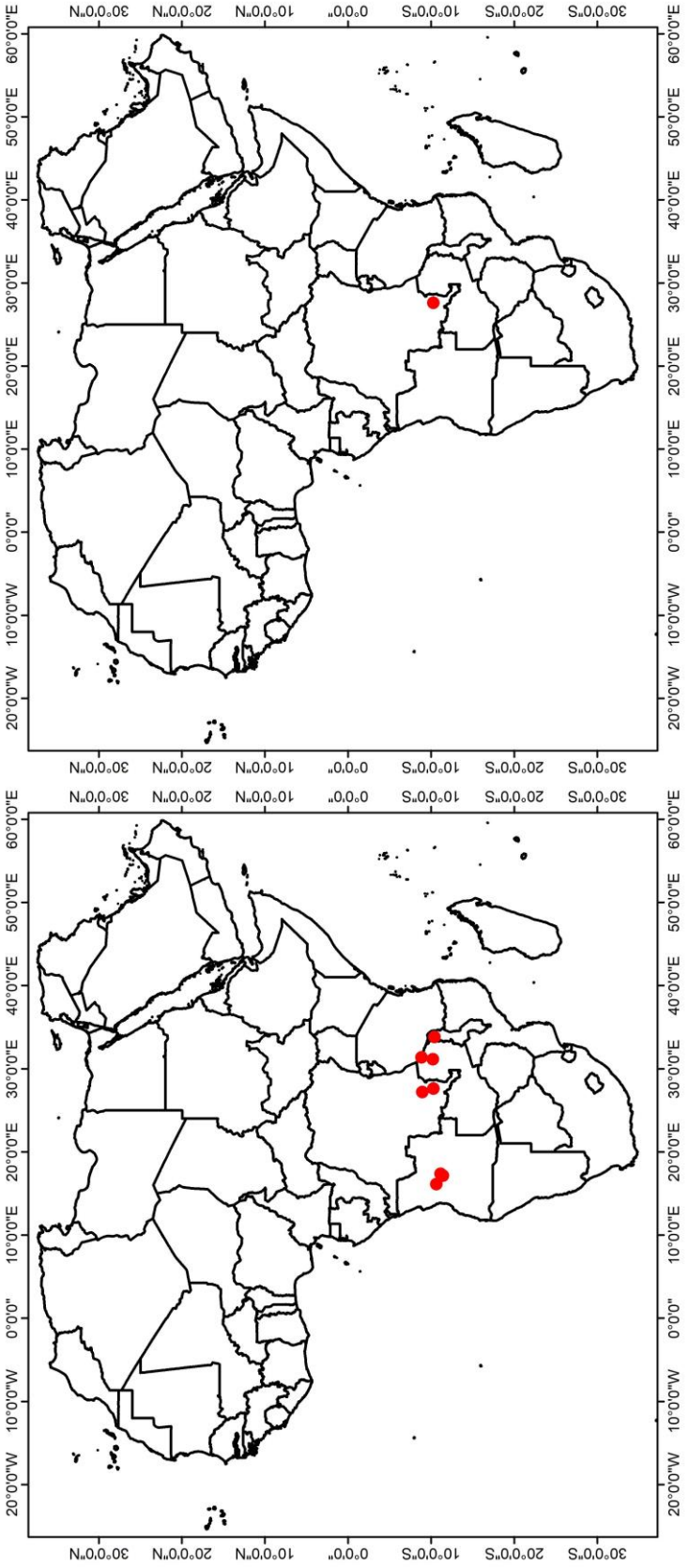

Distribution maps for *Plerotes anchietae* (Seabra, 1900)
(left: all voucher specimens; right: voucher specimens collected since 1998).

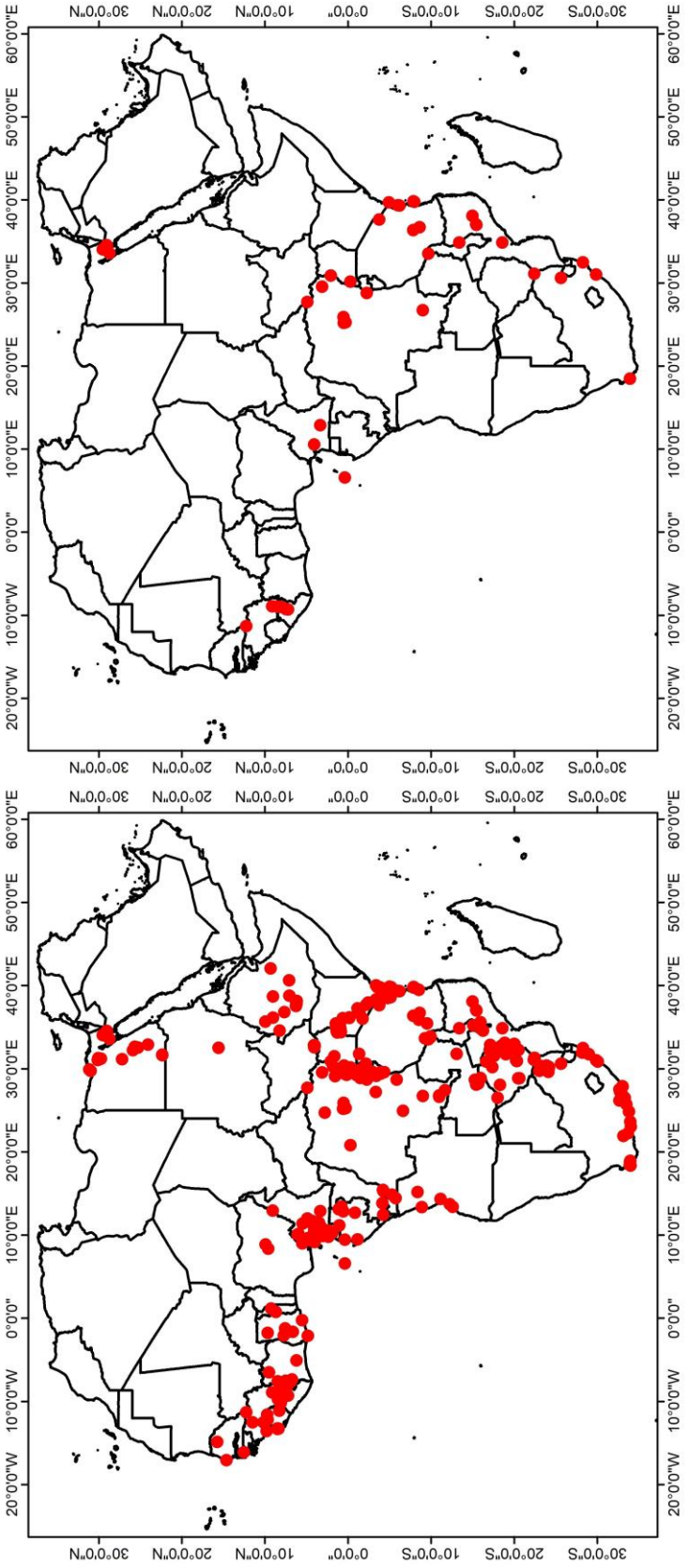

Distribution maps for *Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
(left: all voucher specimens; right: voucher specimens collected since 1998).

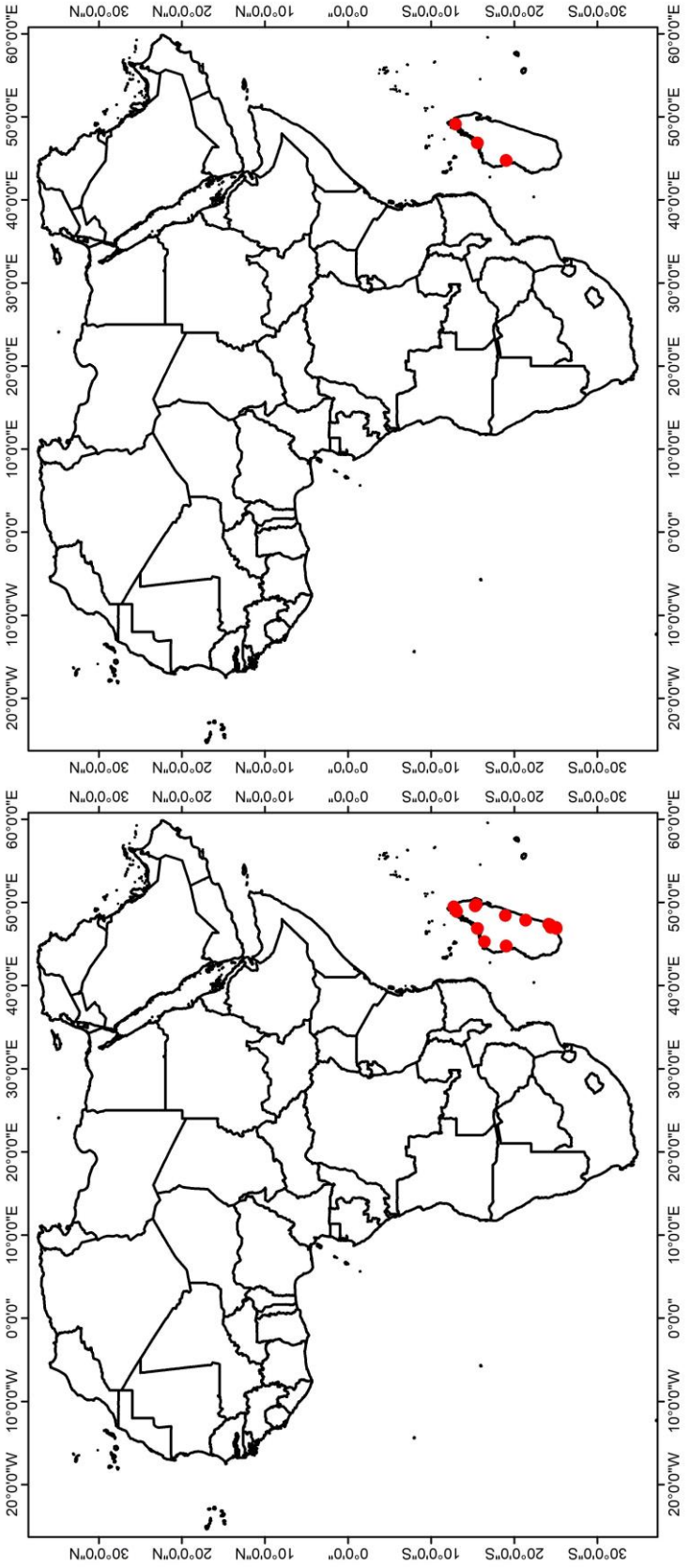

Distribution maps for *Rousettus madagascariensis* G. Grandidier, 1929
(left: all voucher specimens; right: voucher specimens collected since 1998).

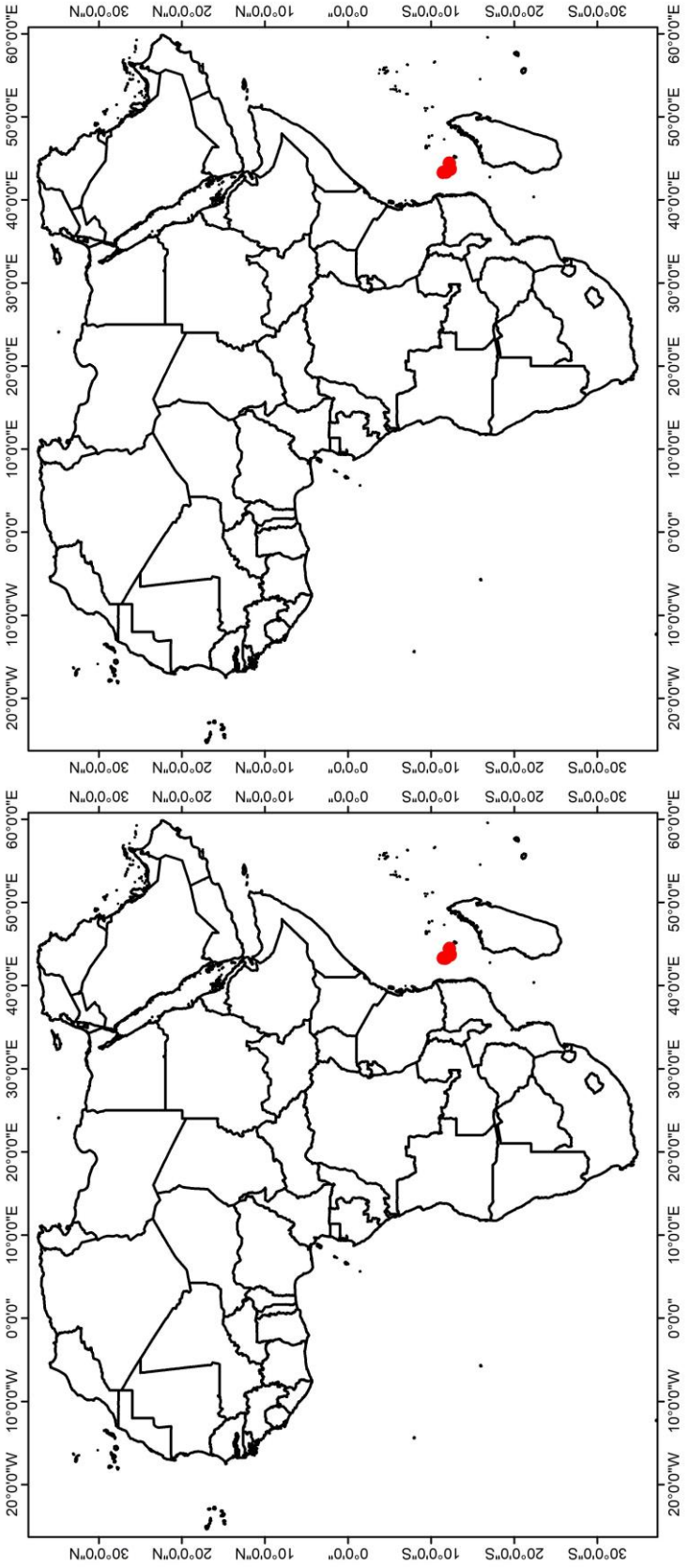

Distribution maps for *Rousettus obliviosus* Kock, 1978
(left: all voucher specimens; right: voucher specimens collected since 1998).

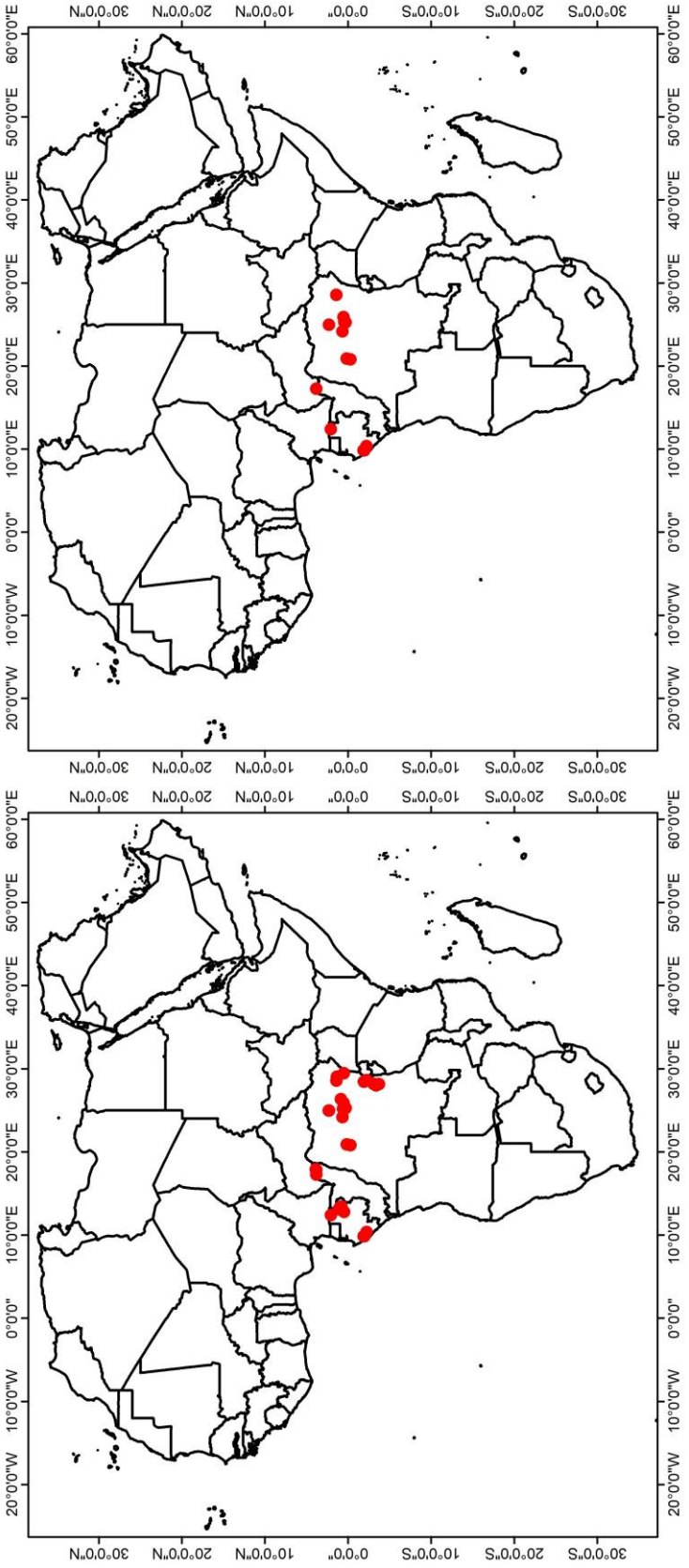

Distribution maps for *Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015 (left: all voucher specimens; right: voucher specimens collected since 1998).

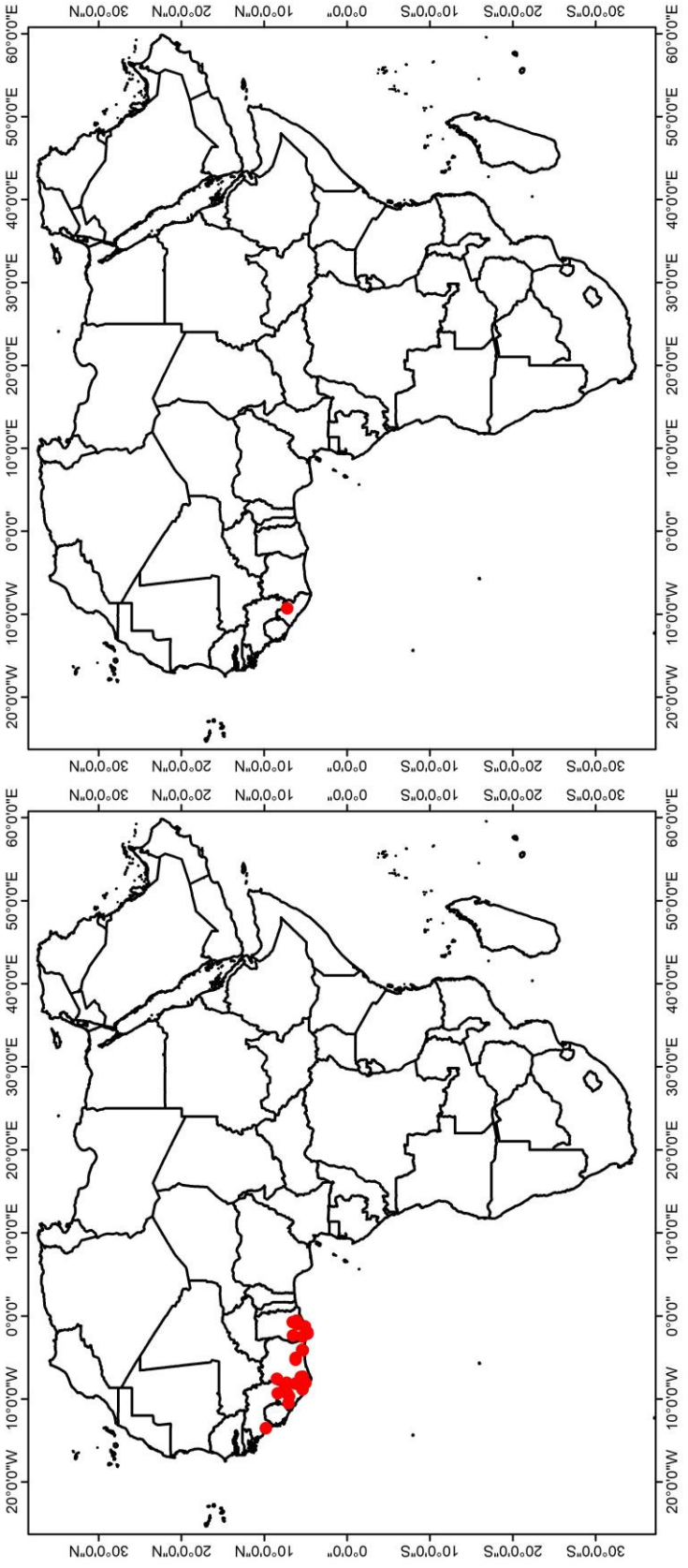

Distribution maps for *Scotonycteris occidentalis* Hayman, 1947
(left: all voucher specimens; right: voucher specimens collected since 1998).

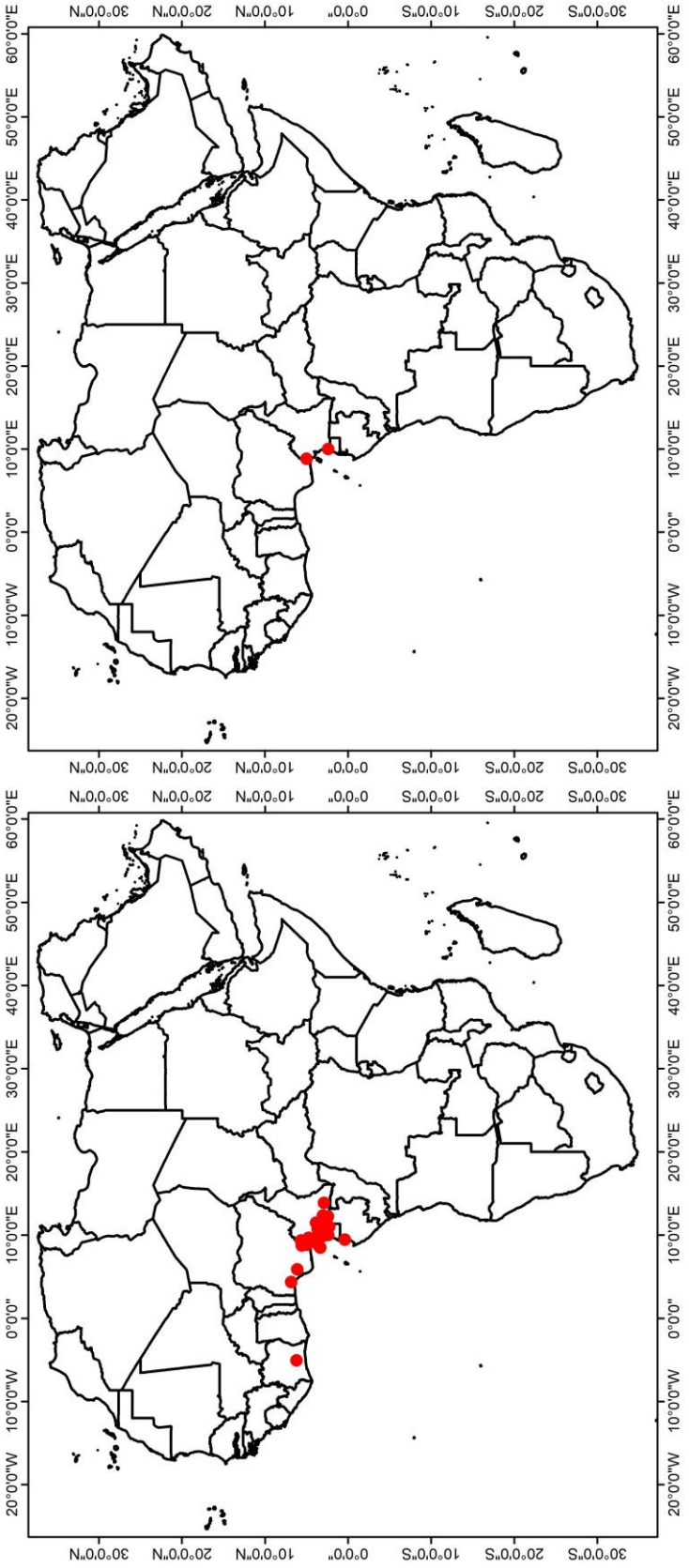

Distribution maps for *Scotonycteris zenkeri* Matschie, 1894
(left: all voucher specimens; right: voucher specimens collected since 1998).

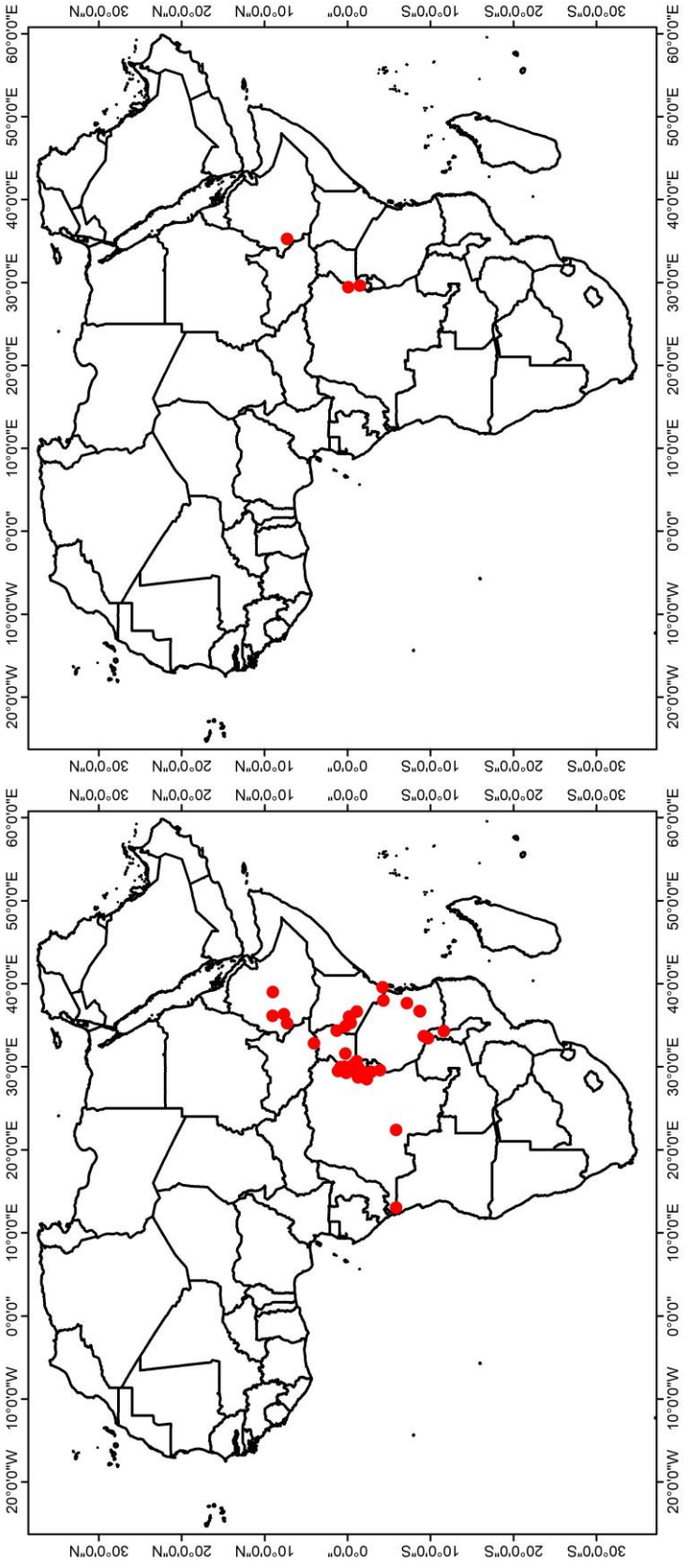

Distribution maps for *Stenonycteris lanosus* (Thomas, 1906)
(left: all voucher specimens; right: voucher specimens collected since 1998).

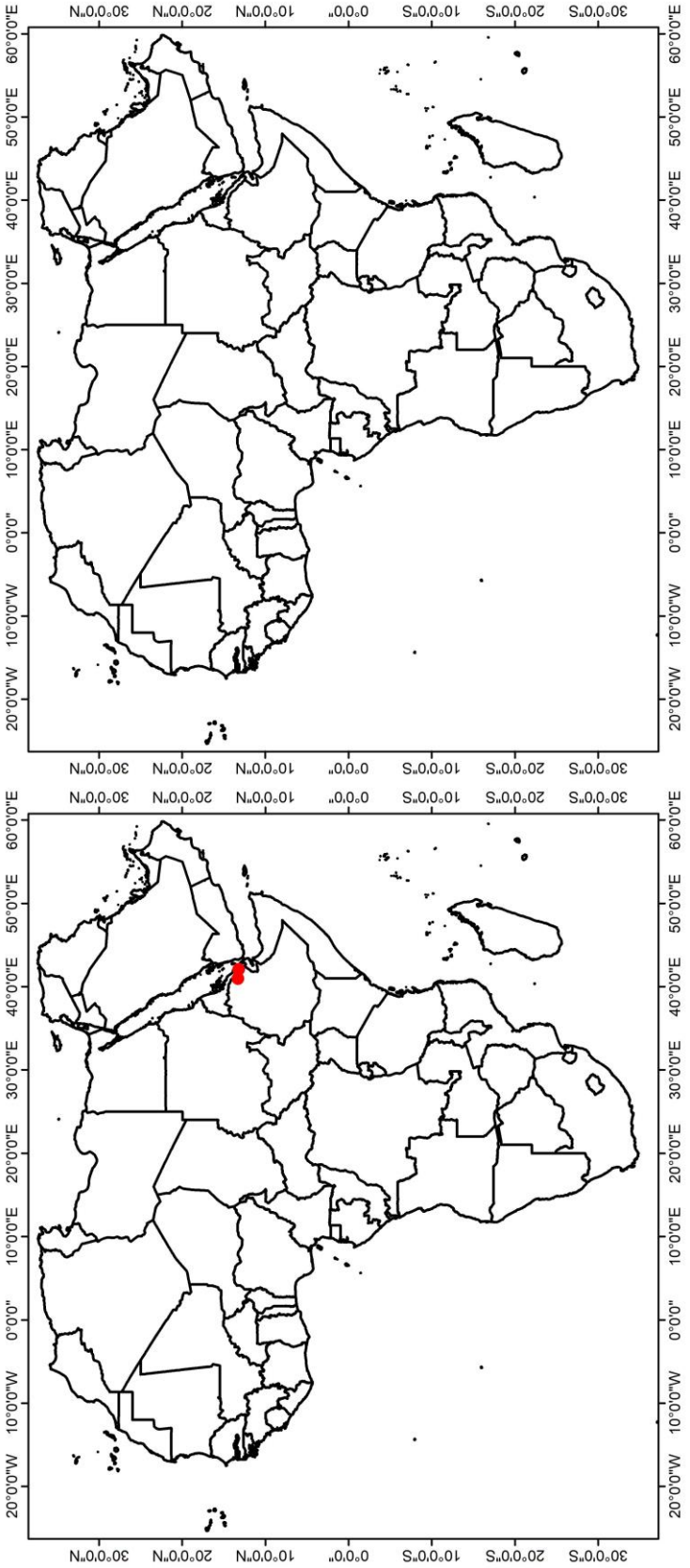

Distribution maps for *Asellia patrizii* de Beaux, 1931
(left: all voucher specimens; right: voucher specimens collected since 1998).

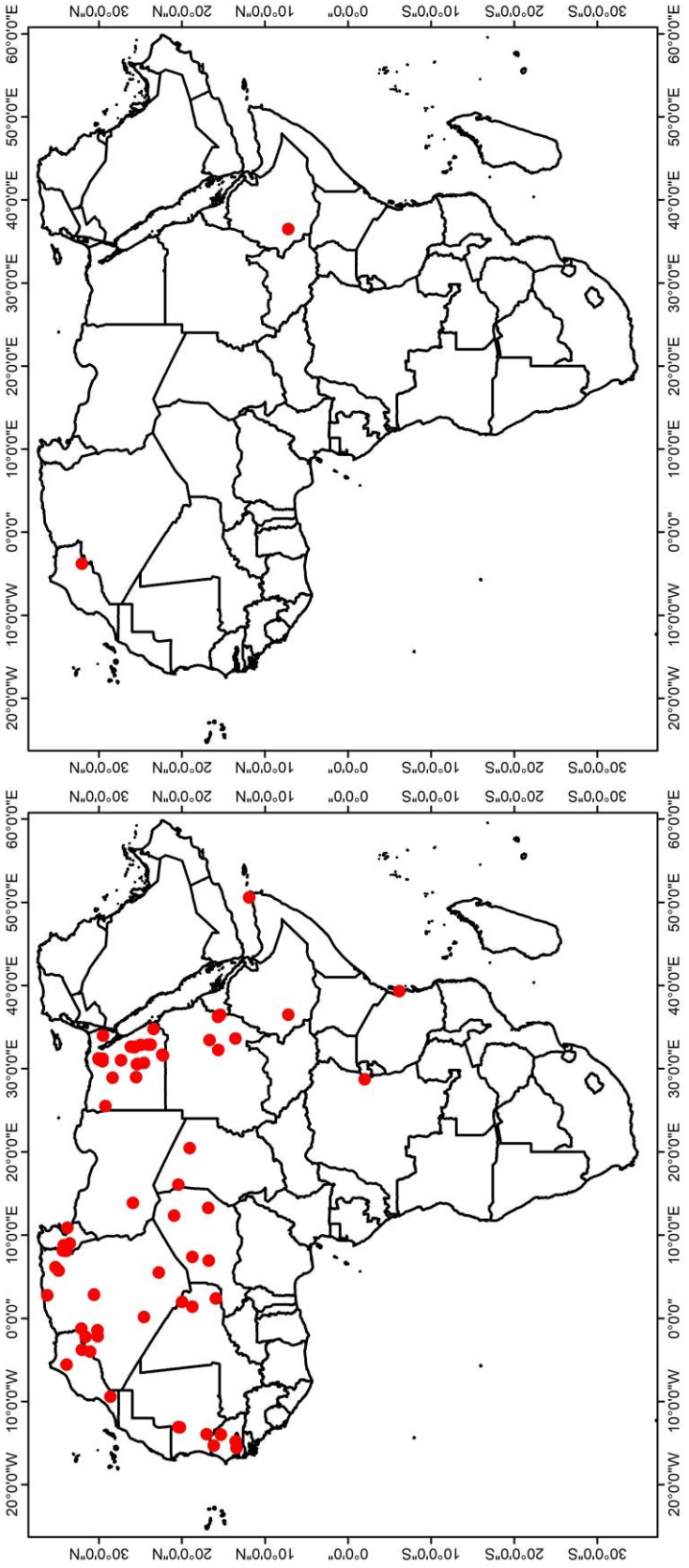

Distribution maps for *Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
(left: all voucher specimens; right: voucher specimens collected since 1998).

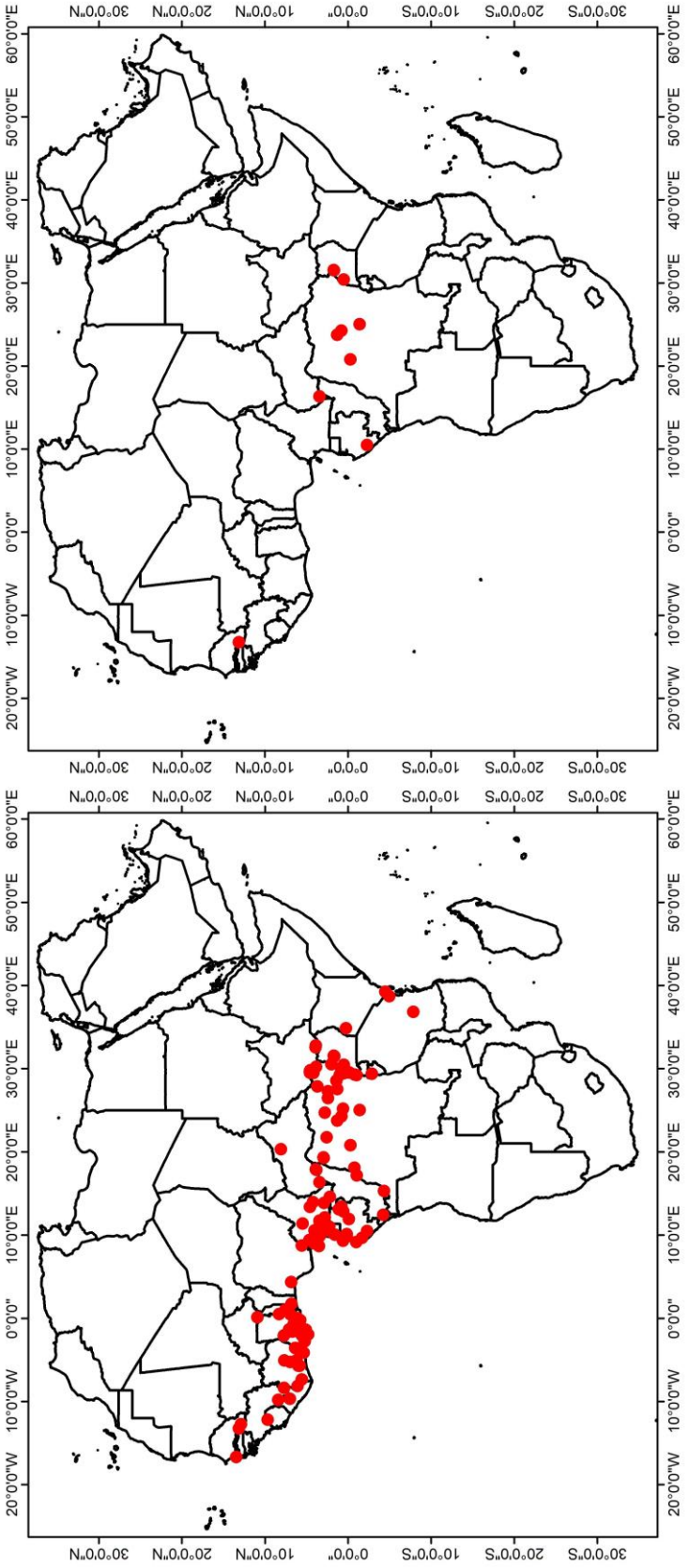

Distribution maps for *Doryrhina cyclops* (Temminck, 1853)
(left: all voucher specimens; right: voucher specimens collected since 1998).

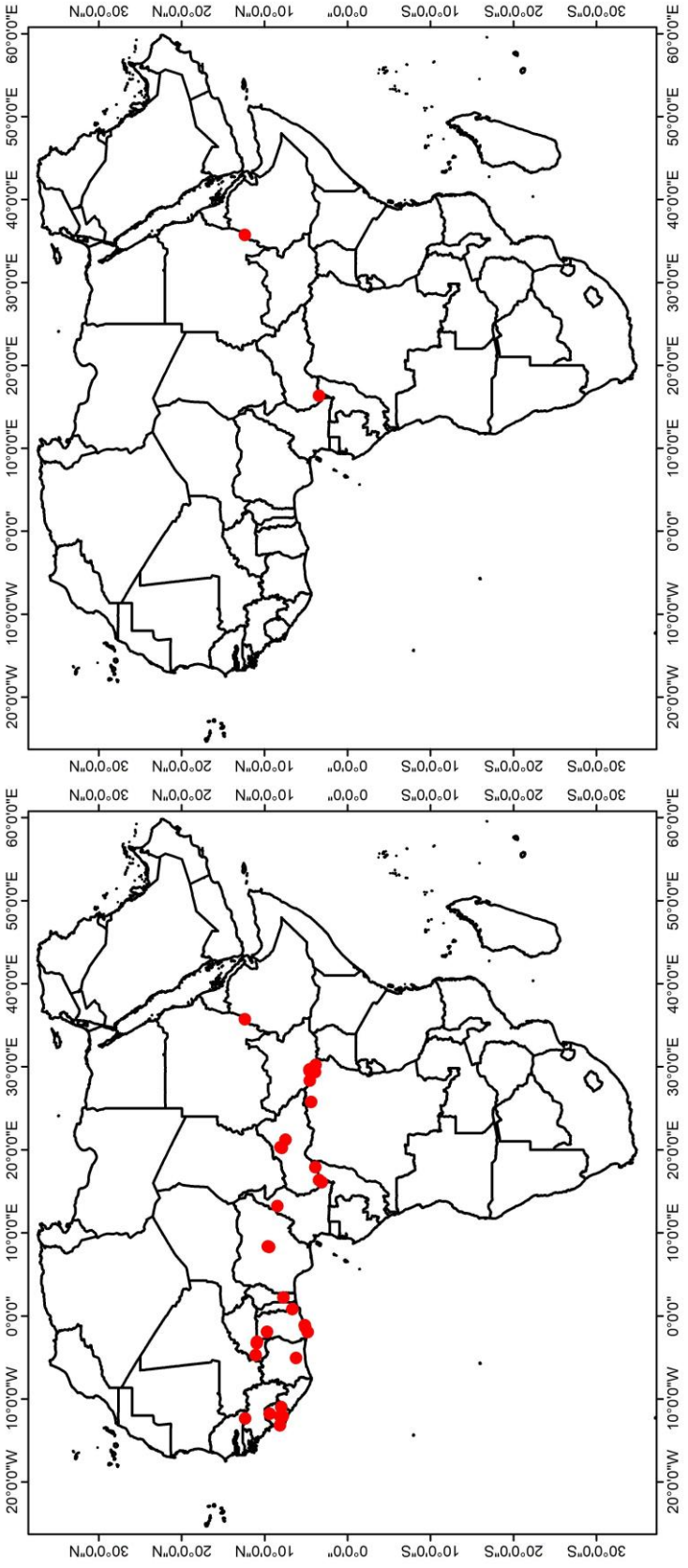

Distribution maps for *Hipposideros abae* J.A. Allen, 1917
(left: all voucher specimens; right: voucher specimens collected since 1998).

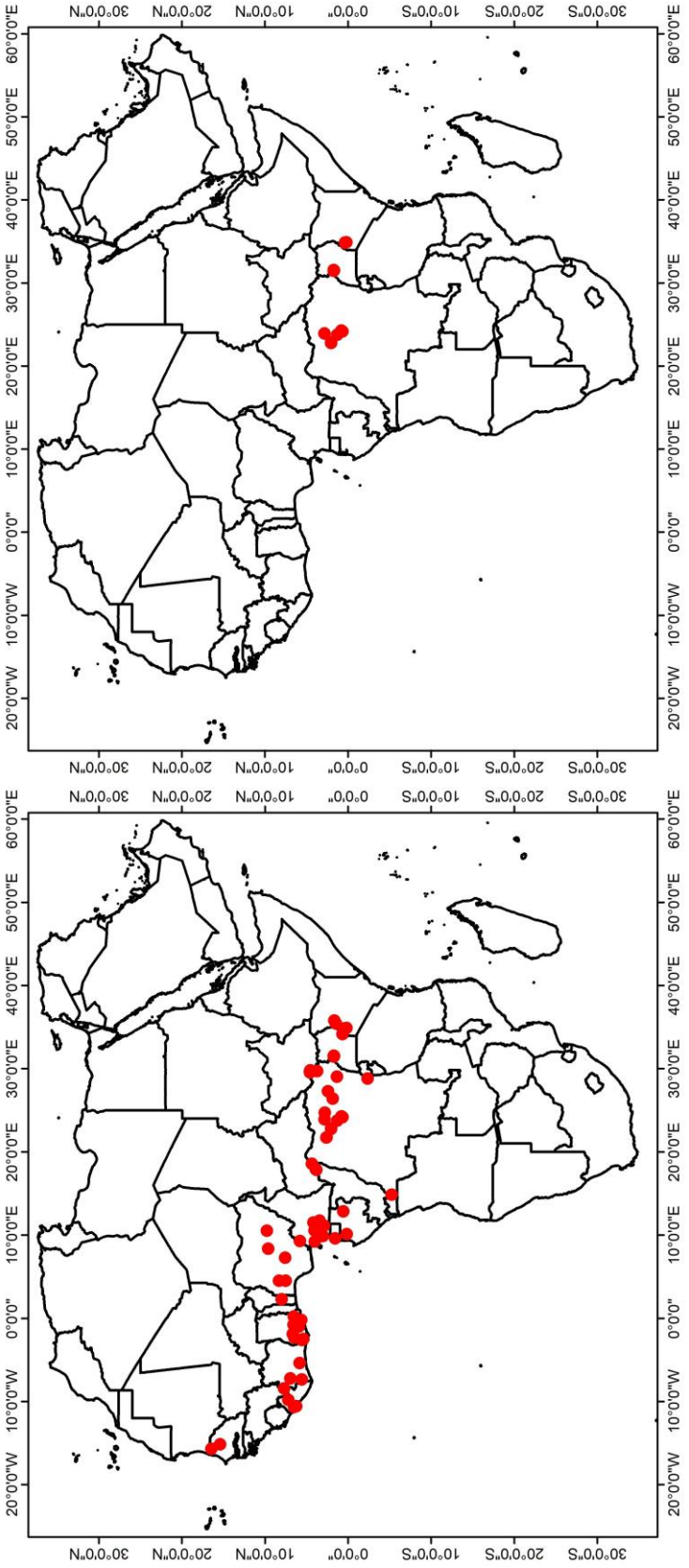

Distribution maps for *Hipposideros beatus* (K. Andersen, 1906)
(left: all voucher specimens; right: voucher specimens collected since 1998).

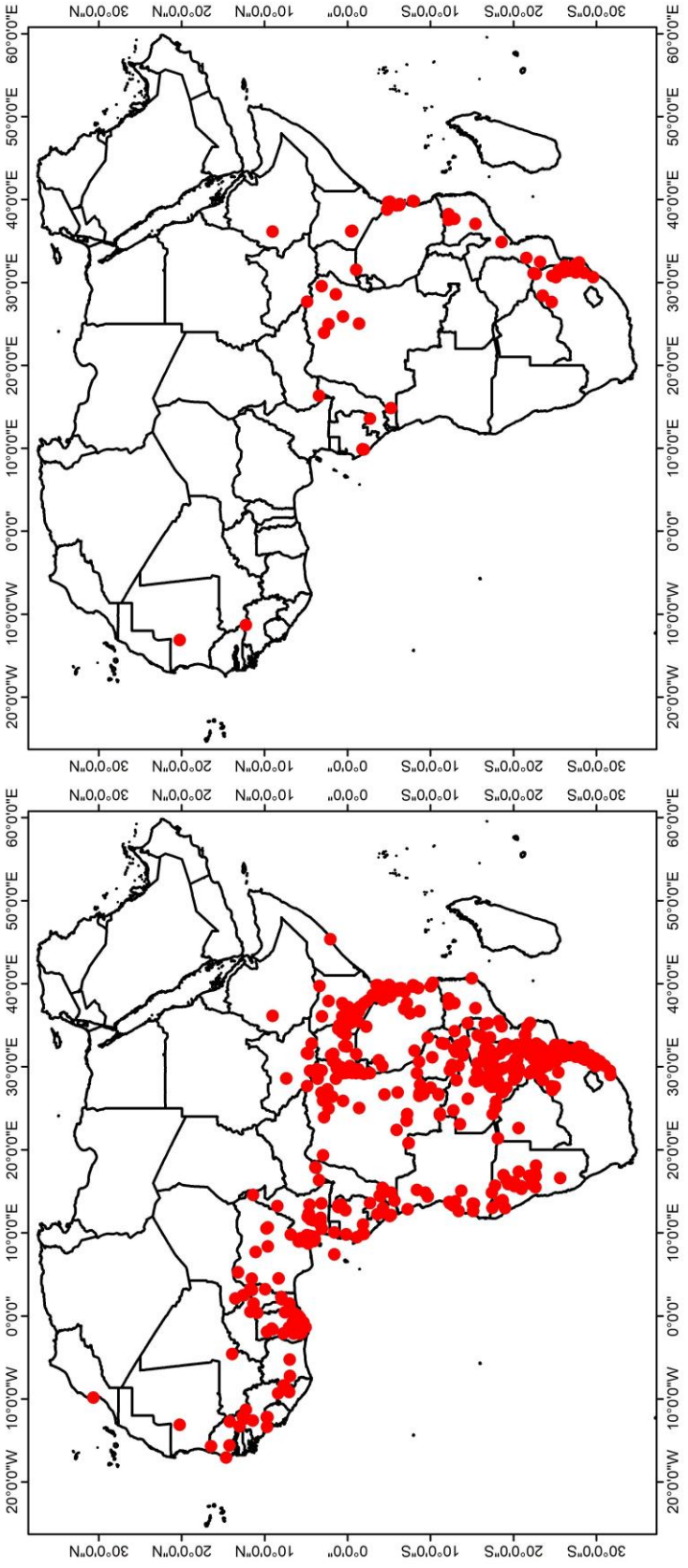

Distribution maps for *Hipposideros caffer* (Sundevall, 1846)
(left: all voucher specimens; right: voucher specimens collected since 1998).

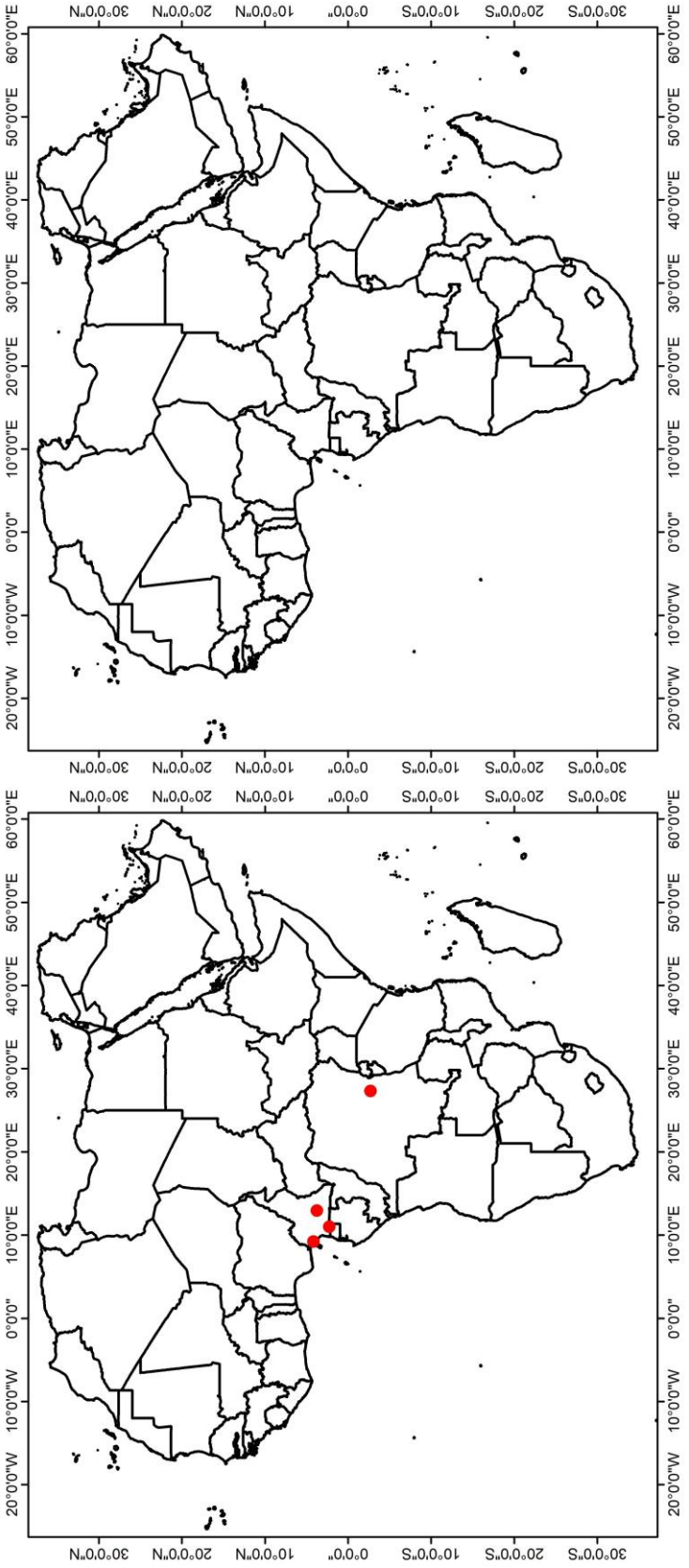

Distribution maps for *Hipposideros camerunensis* Eisentraut, 1956
(left: all voucher specimens; right: voucher specimens collected since 1998).

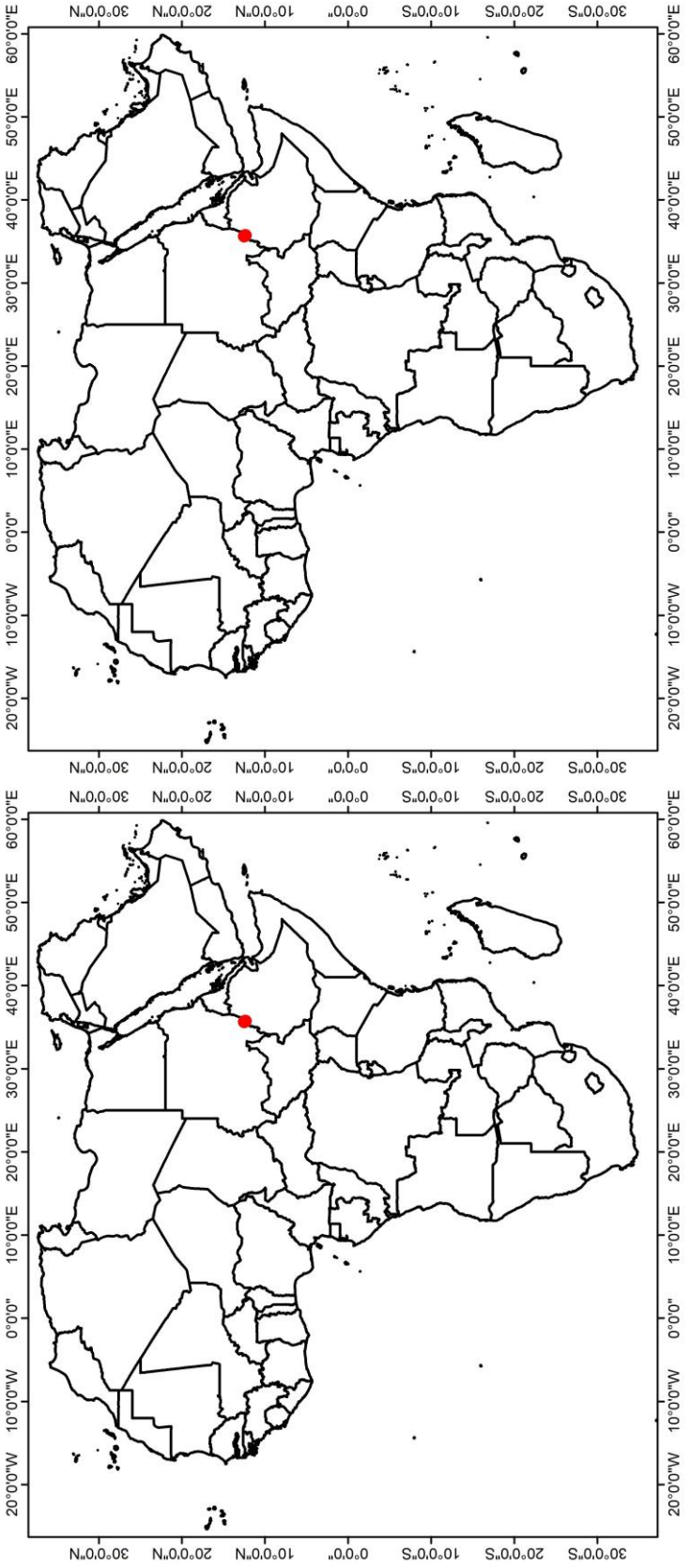

Distribution maps for *Hipposideros cf. centralis* Andersen, 1906
(left: all voucher specimens; right: voucher specimens collected since 1998).

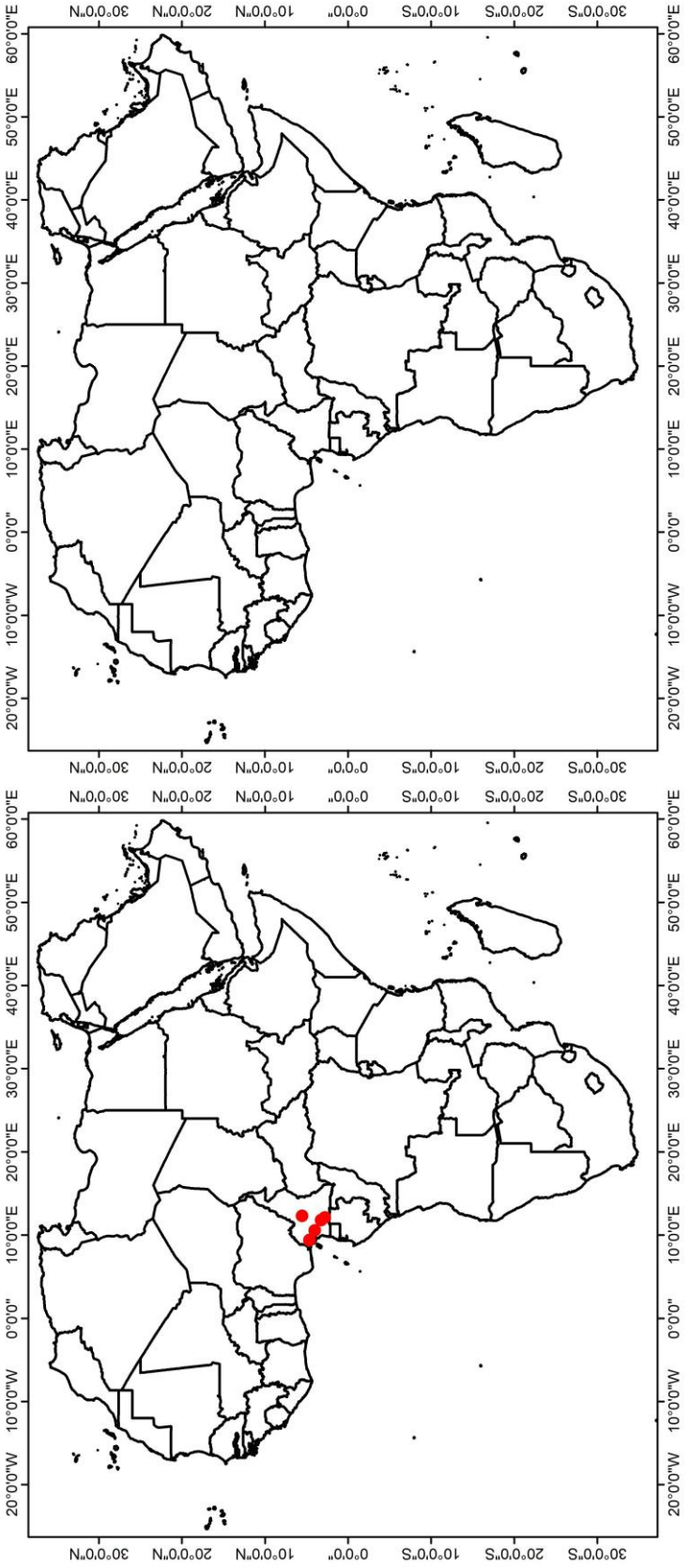

Distribution maps for *Hippositideros curtus* G.M. Allen, 1921
(left: all voucher specimens; right: voucher specimens collected since 1998).

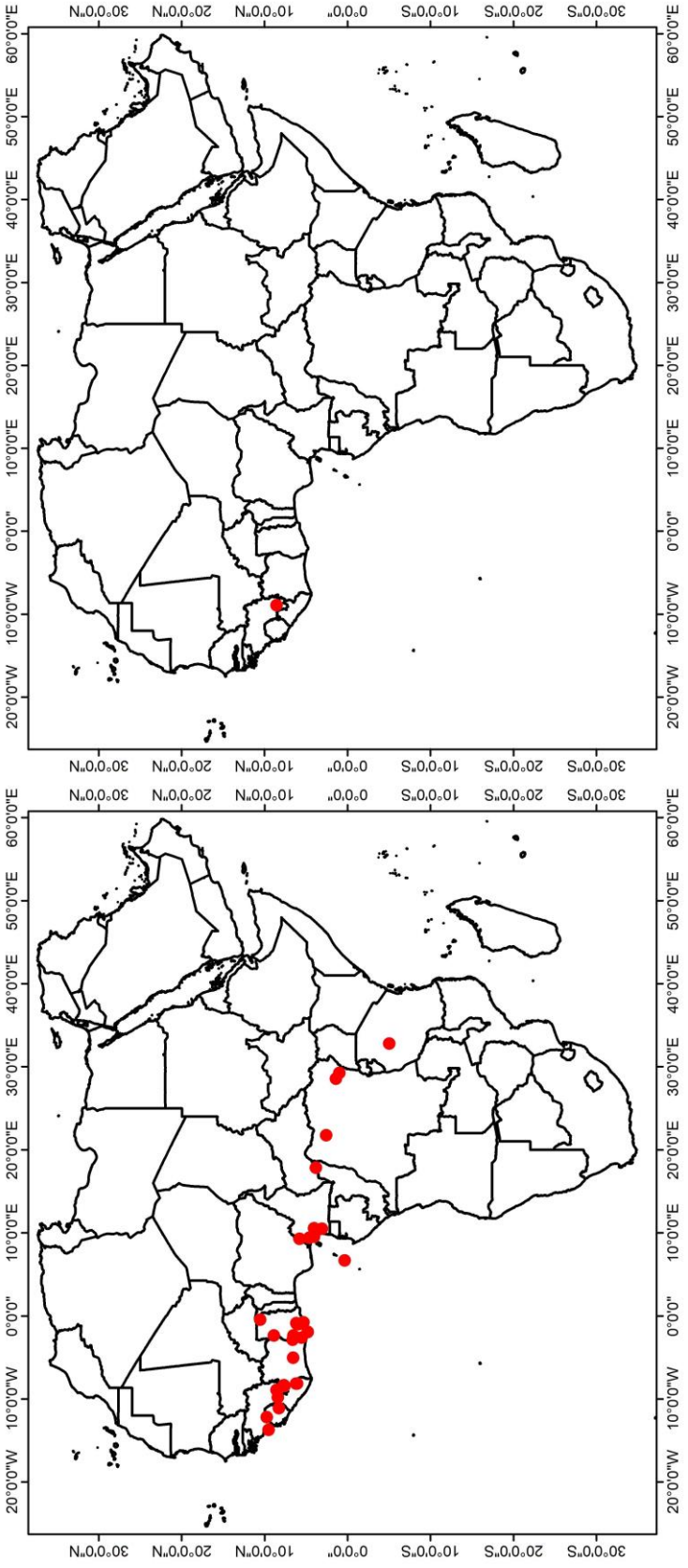

Distribution maps for *Hipposideros fuliginosus* (Temminck, 1853)
(left: all voucher specimens; right: voucher specimens collected since 1998).

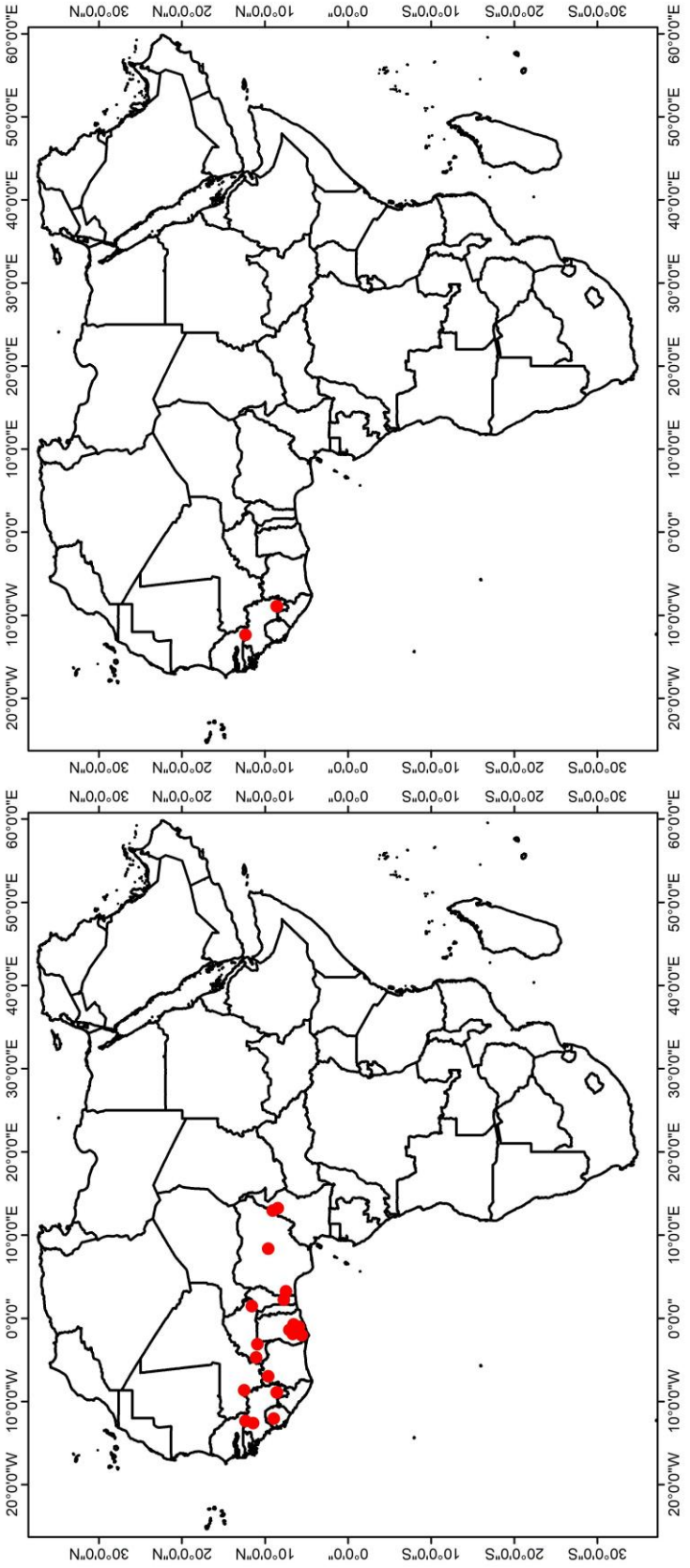

Distribution maps for *Hipposideros jonesi* Hayman, 1947
(left: all voucher specimens; right: voucher specimens collected since 1998).

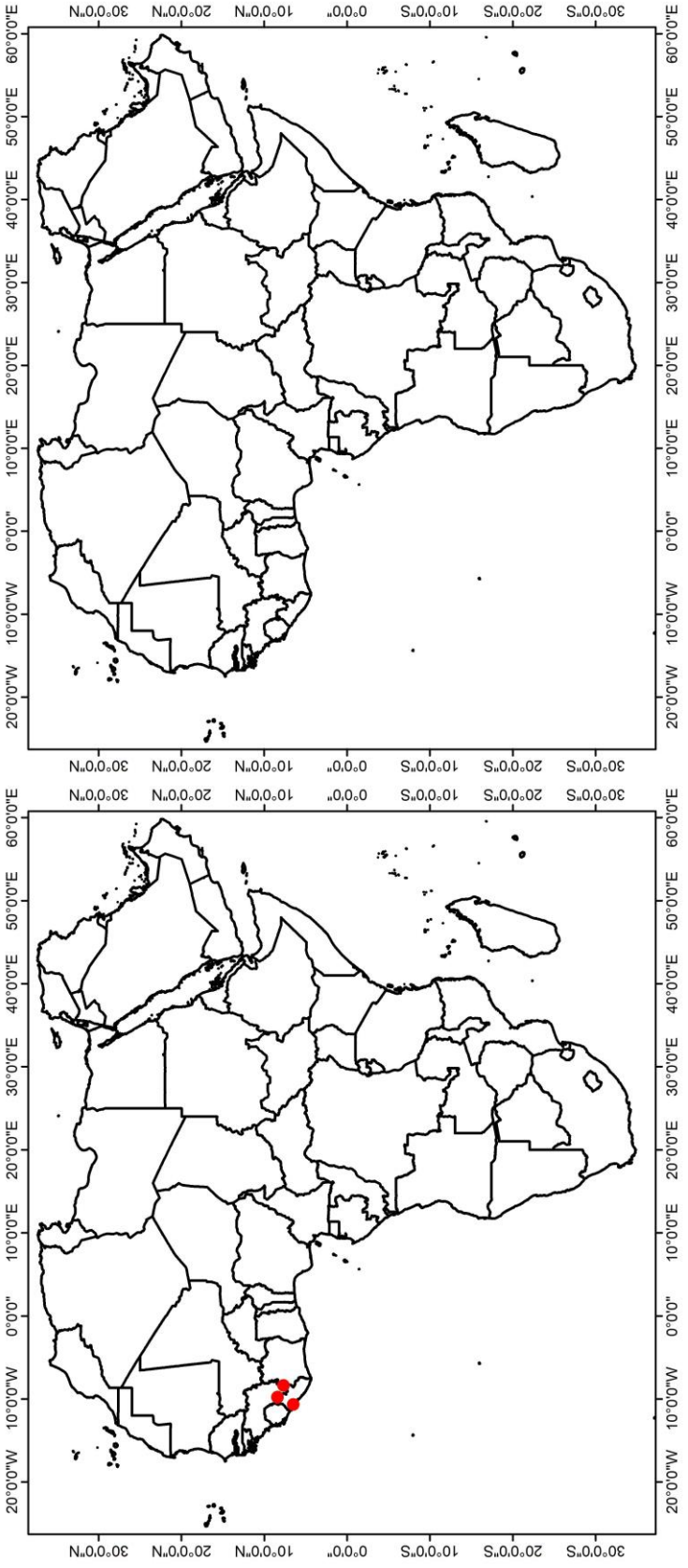

Distribution maps for *Hipposideros lamottei* Brosset, 1985
(left: all voucher specimens; right: voucher specimens collected since 1998).

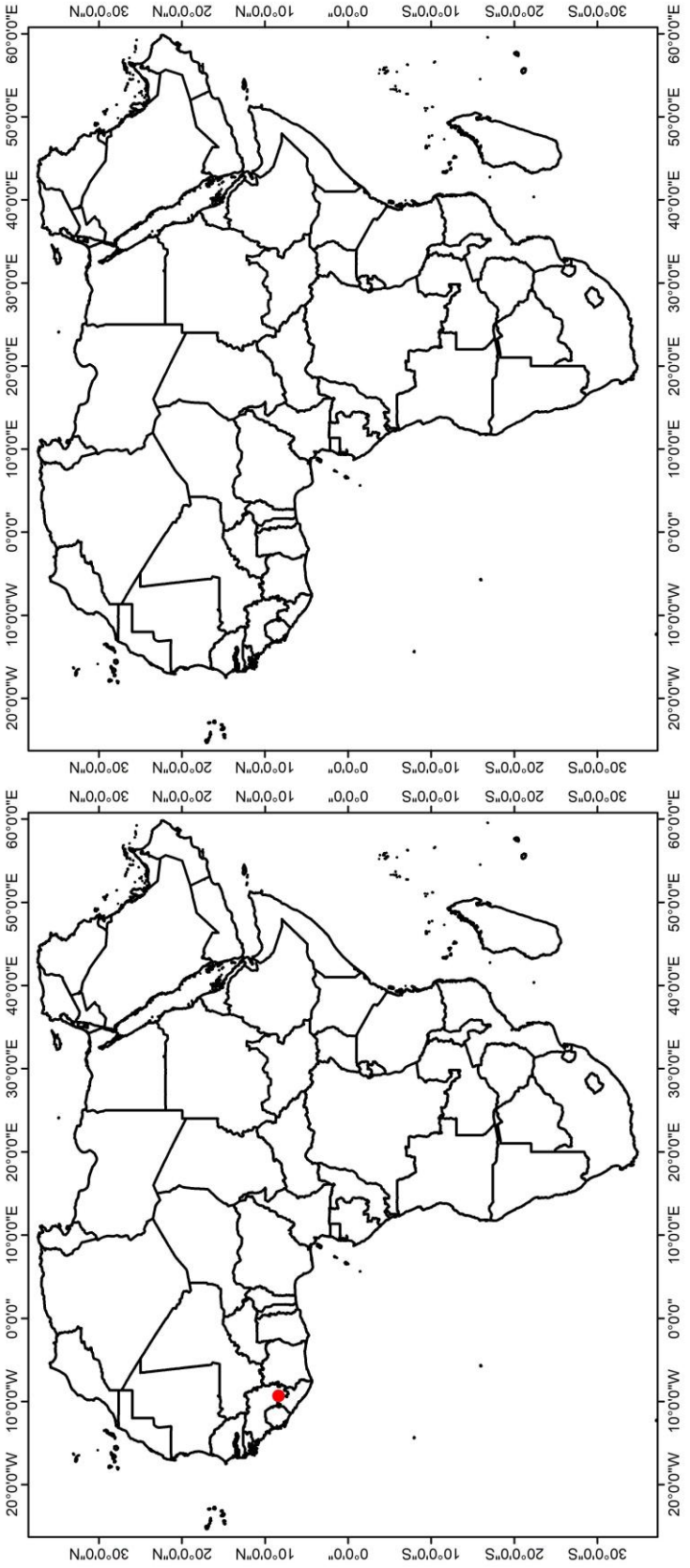

Distribution maps for *Hipposideros marisae* Aellen, 1954
(left: all voucher specimens; right: voucher specimens collected since 1998).

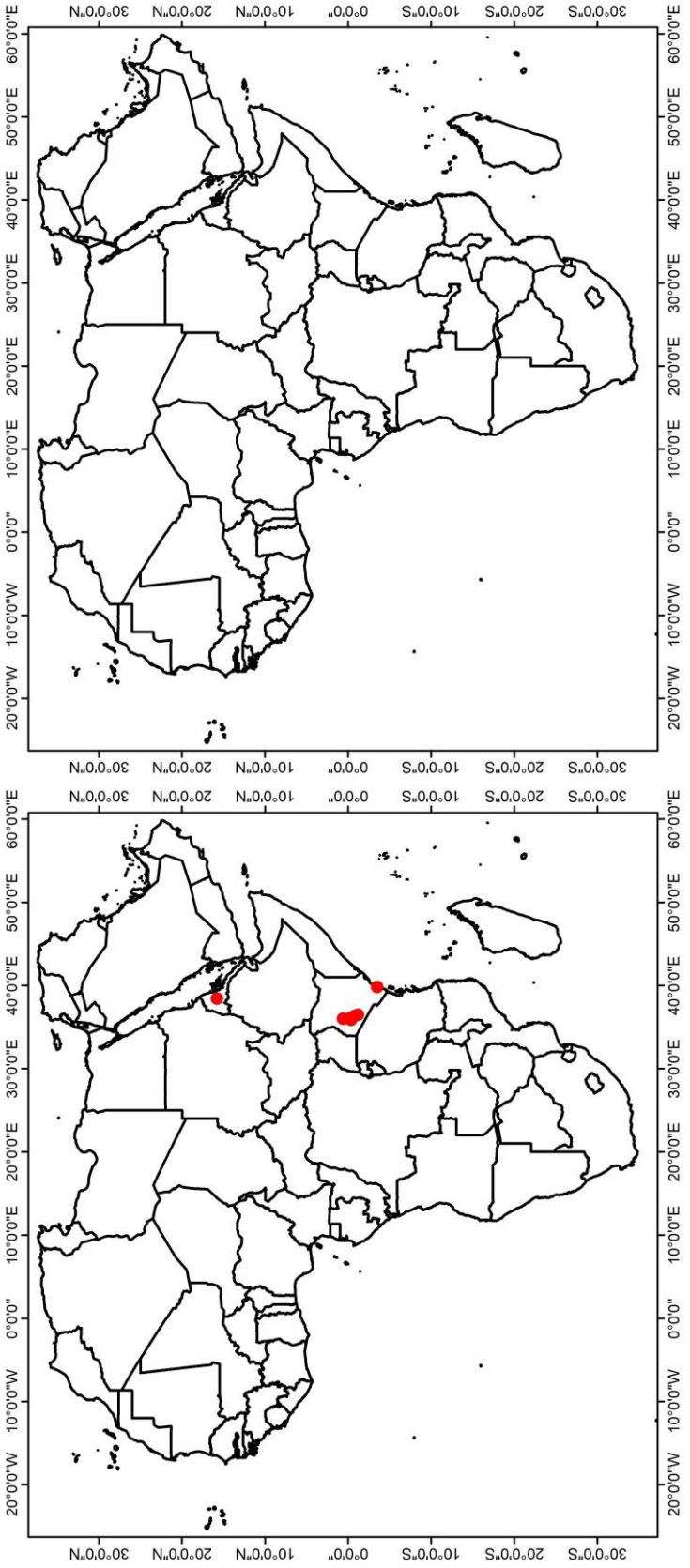

Distribution maps for *Hipposideros megalotis* (Heuglin, 1861)
(left: all voucher specimens; right: voucher specimens collected since 1998).

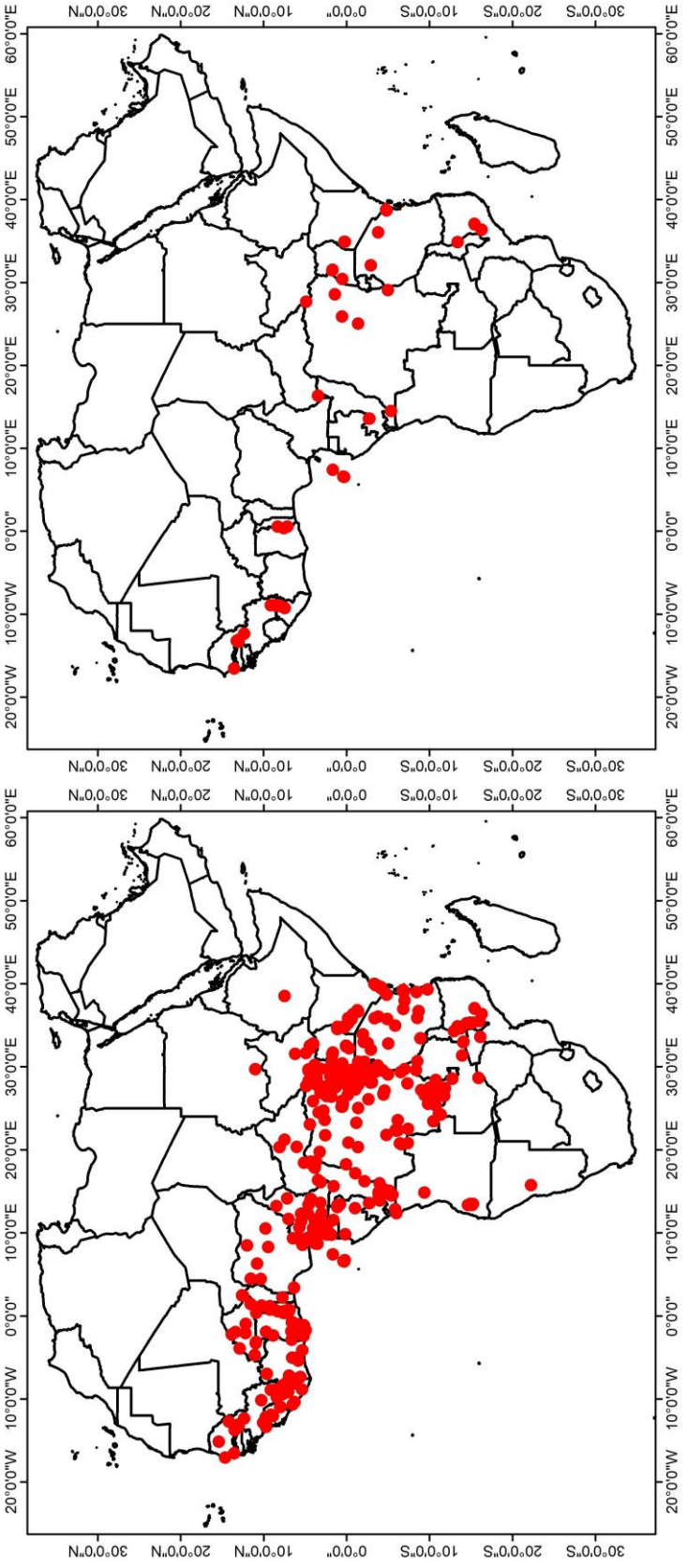

Distribution maps for *Hipposideros ruber* (Noack, 1893)
(left: all voucher specimens; right: voucher specimens collected since 1998).

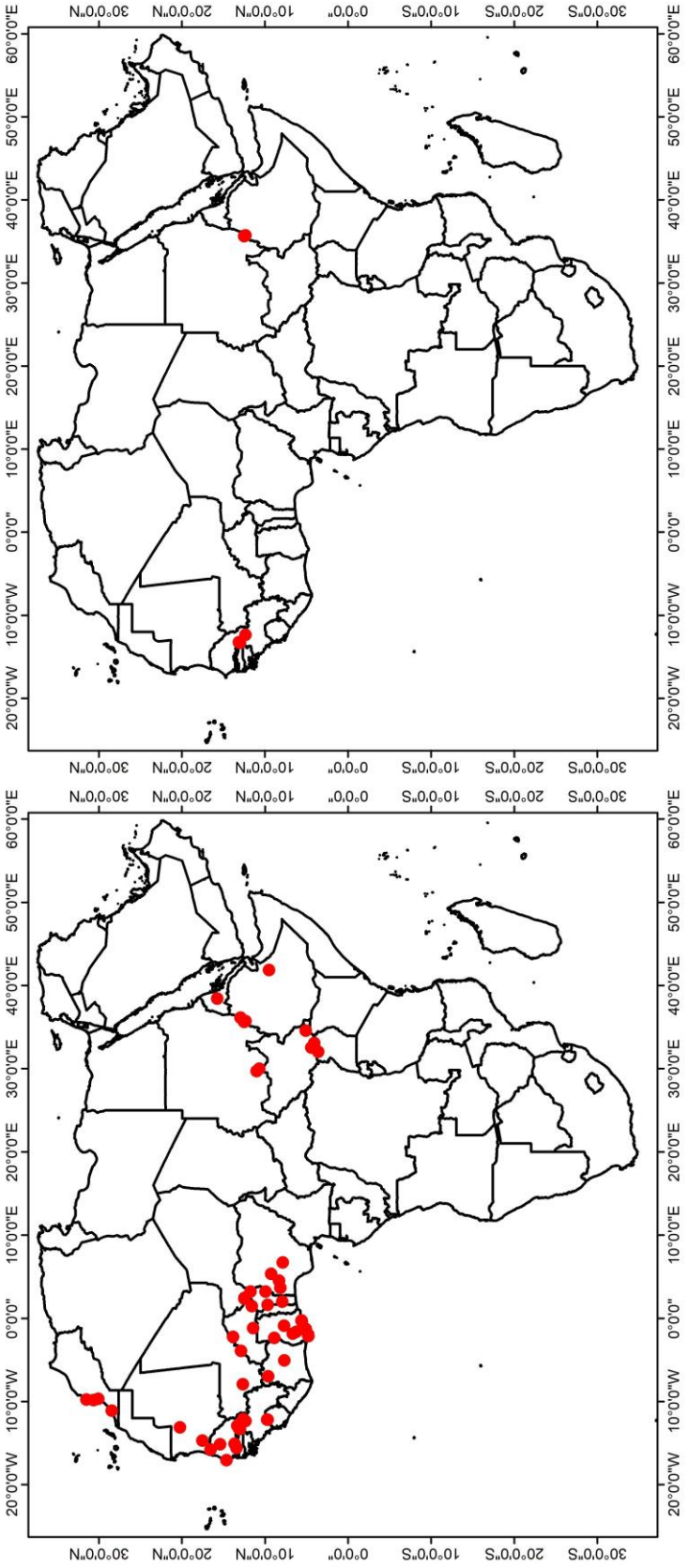

Distribution maps for *Hipposideros tephrus* (Cabrera, 1906)
(left: all voucher specimens; right: voucher specimens collected since 1998).

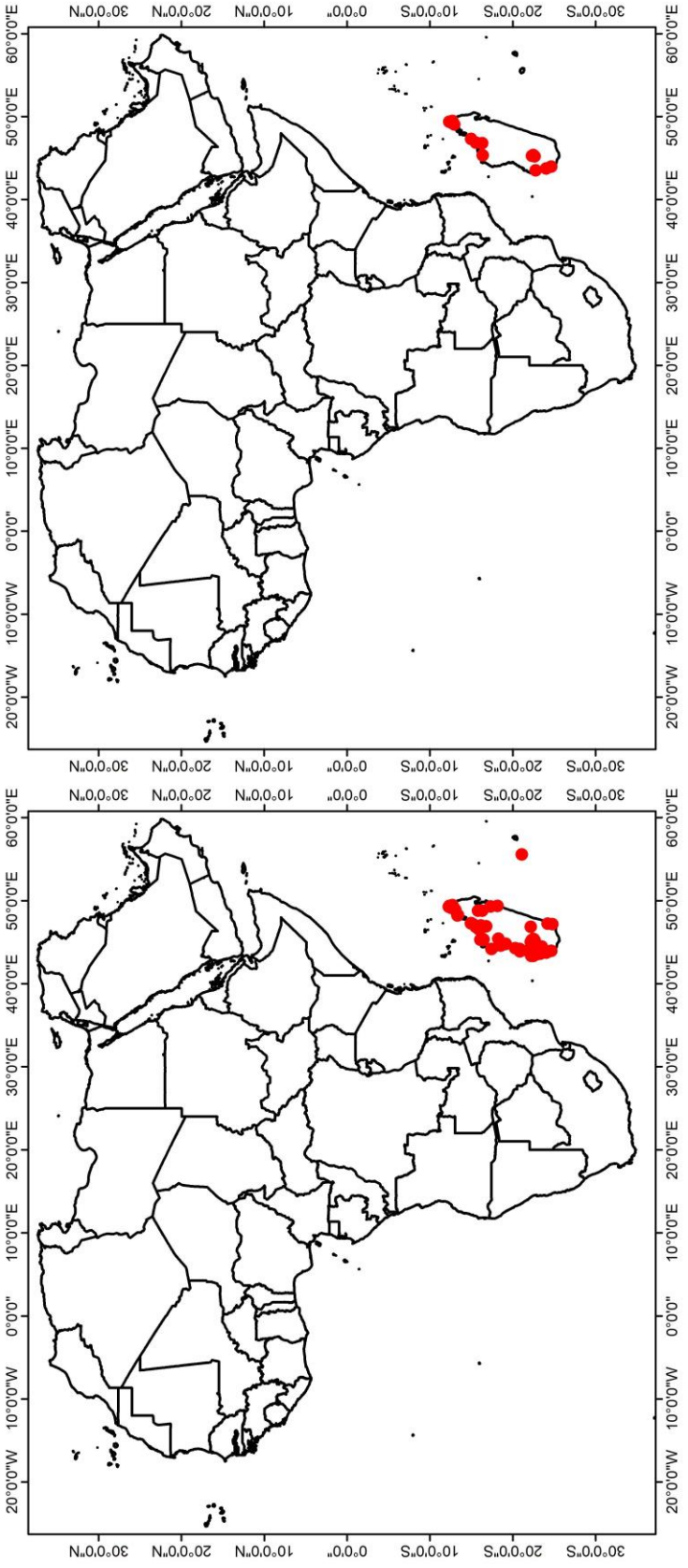

Distribution maps for *Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
(left: all voucher specimens; right: voucher specimens collected since 1998).

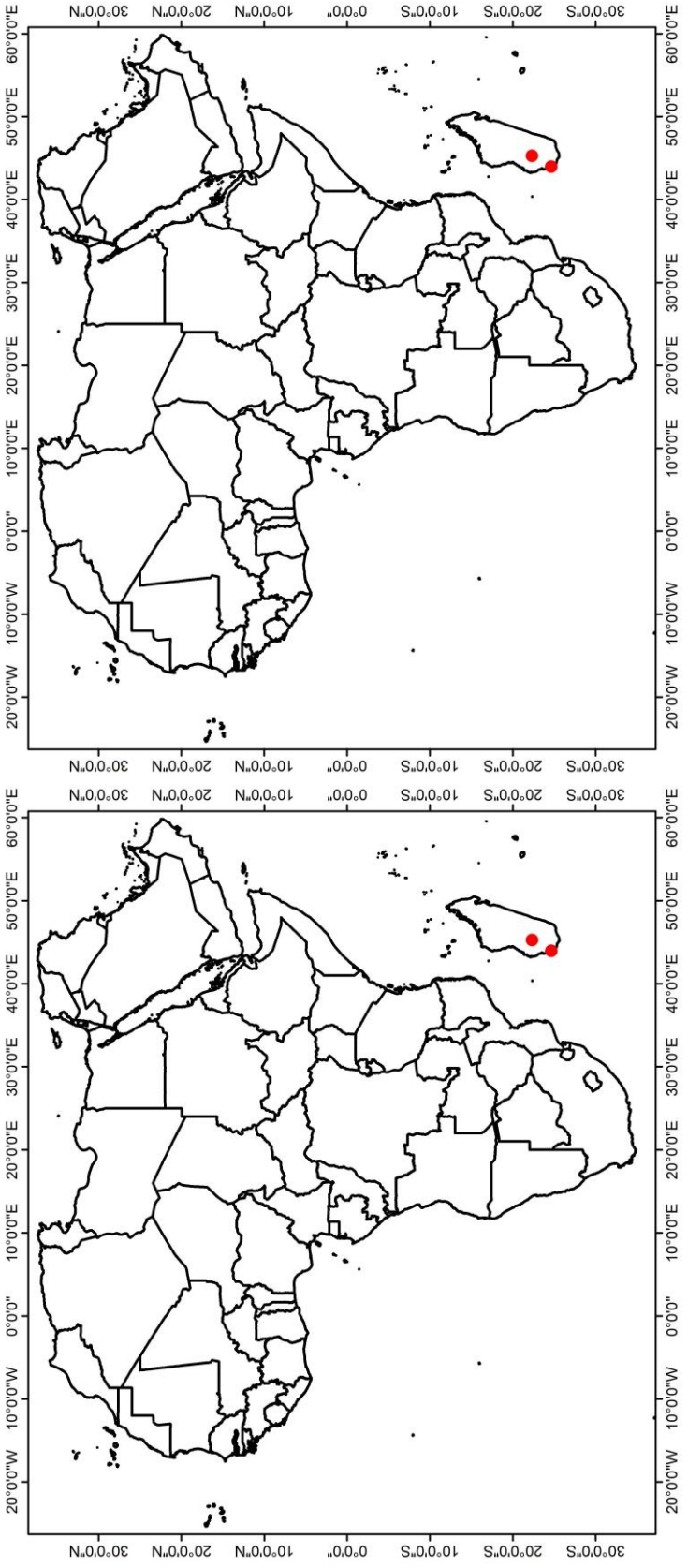

Distribution maps for *Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016) (left: all voucher specimens; right: voucher specimens collected since 1998).

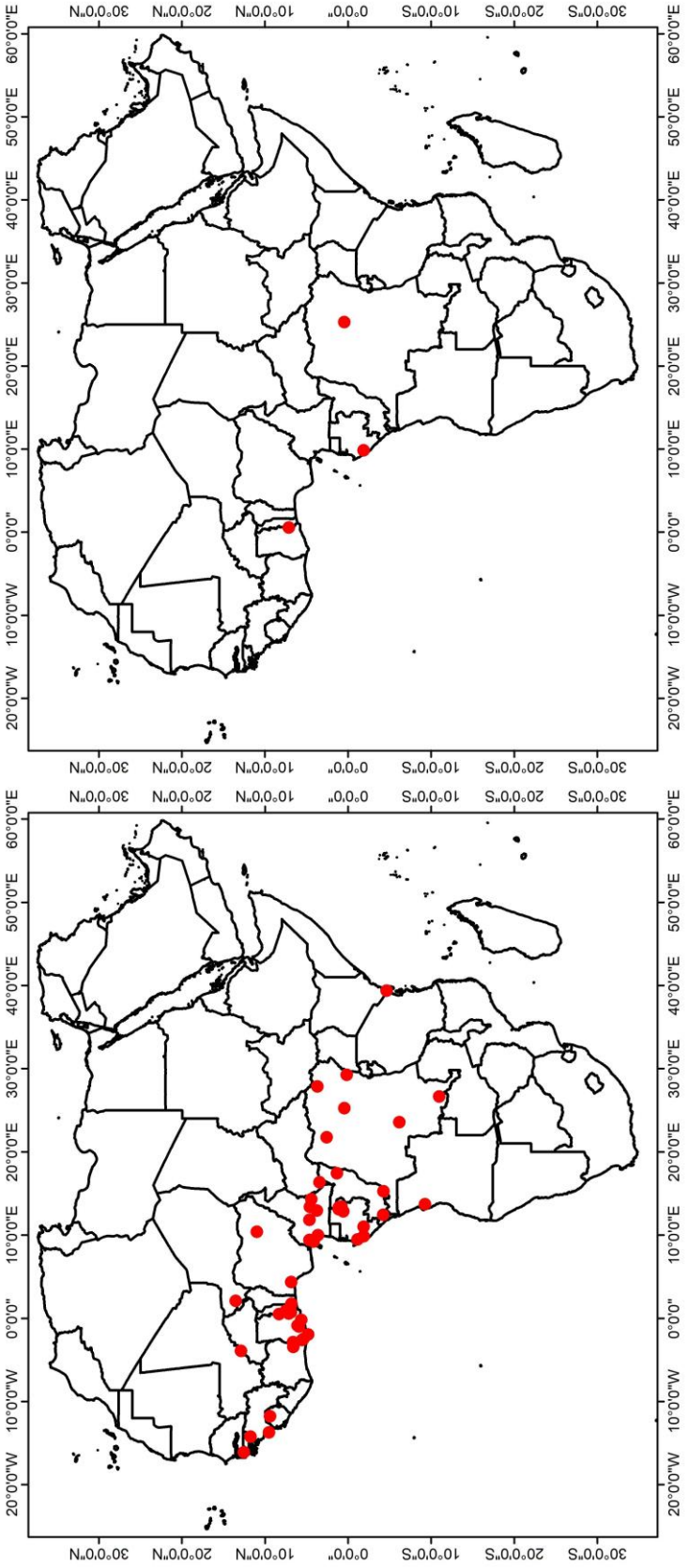

Distribution maps for *Macronycteris gigas* (Wagner, 1845)
(left: all voucher specimens; right: voucher specimens collected since 1998).

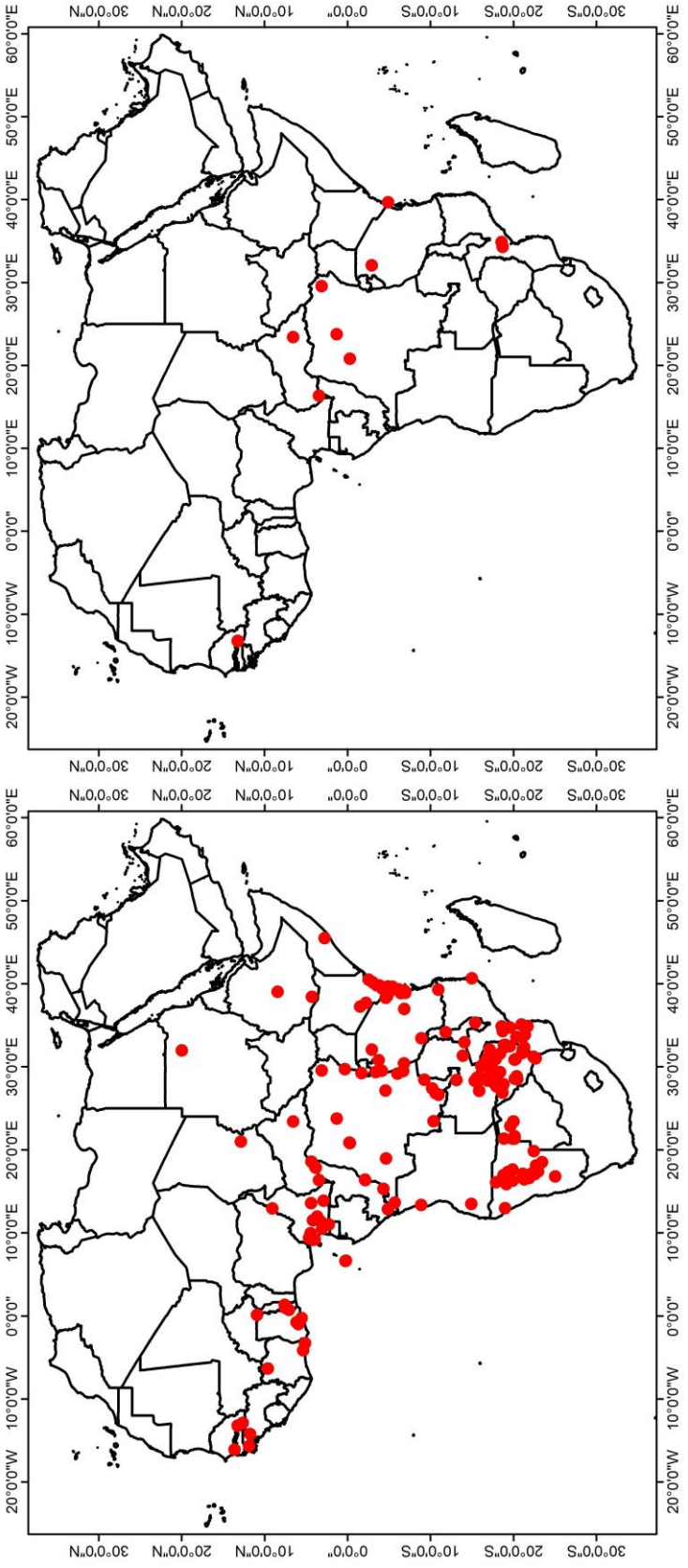

Distribution maps for *Macronycteris vittatus* (Peters, 1852)
(left: all voucher specimens; right: voucher specimens collected since 1998).

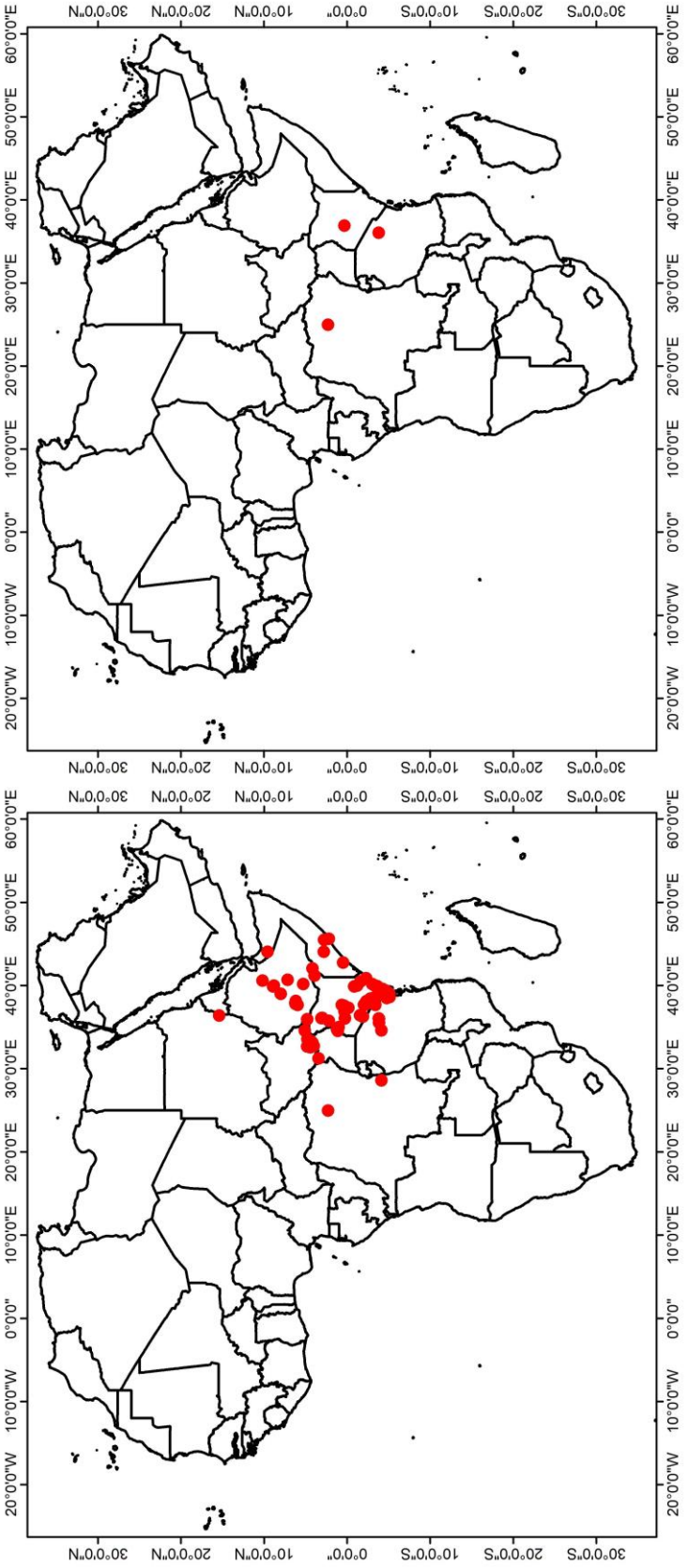

Distribution maps for *Cardioderma cor* (Peters, 1872)
(left: all voucher specimens; right: voucher specimens collected since 1998).

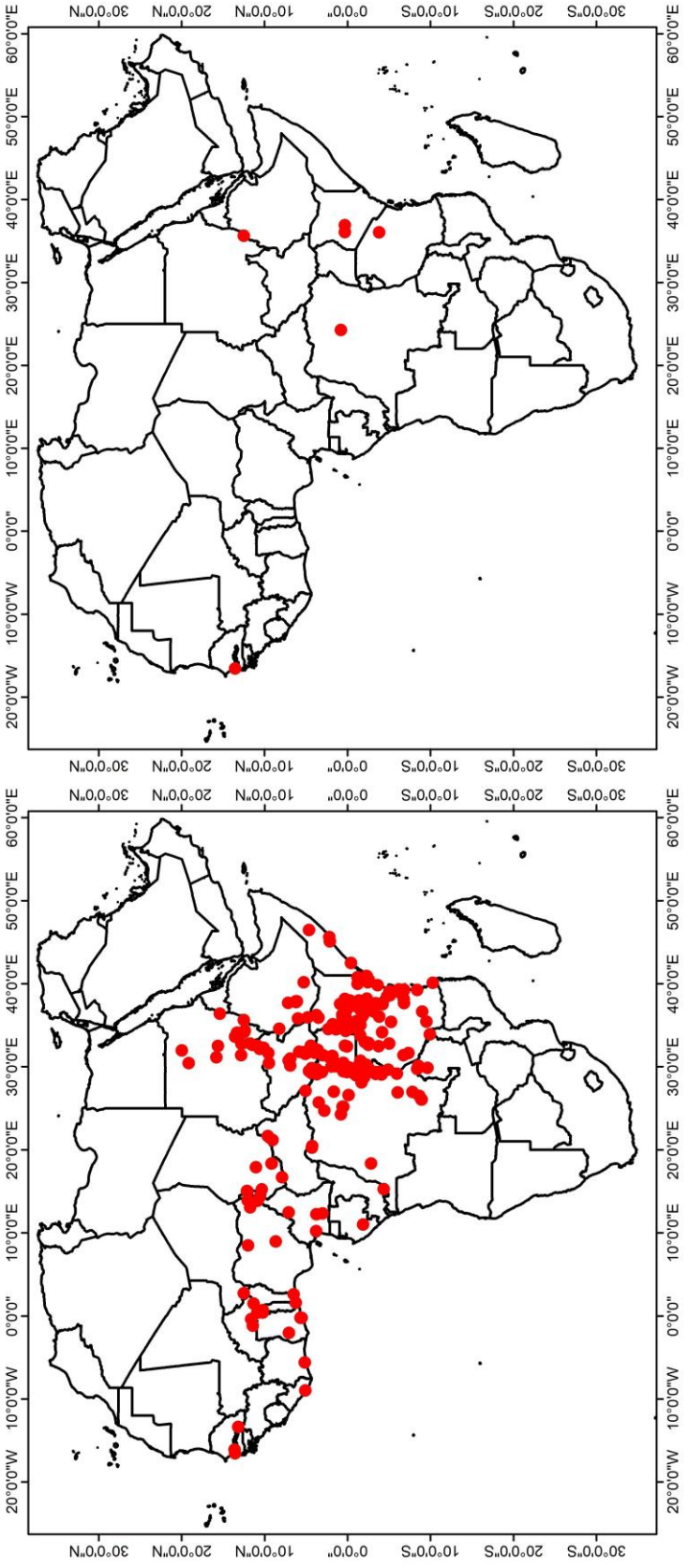

Distribution maps for *Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
(left: all voucher specimens; right: voucher specimens collected since 1998).

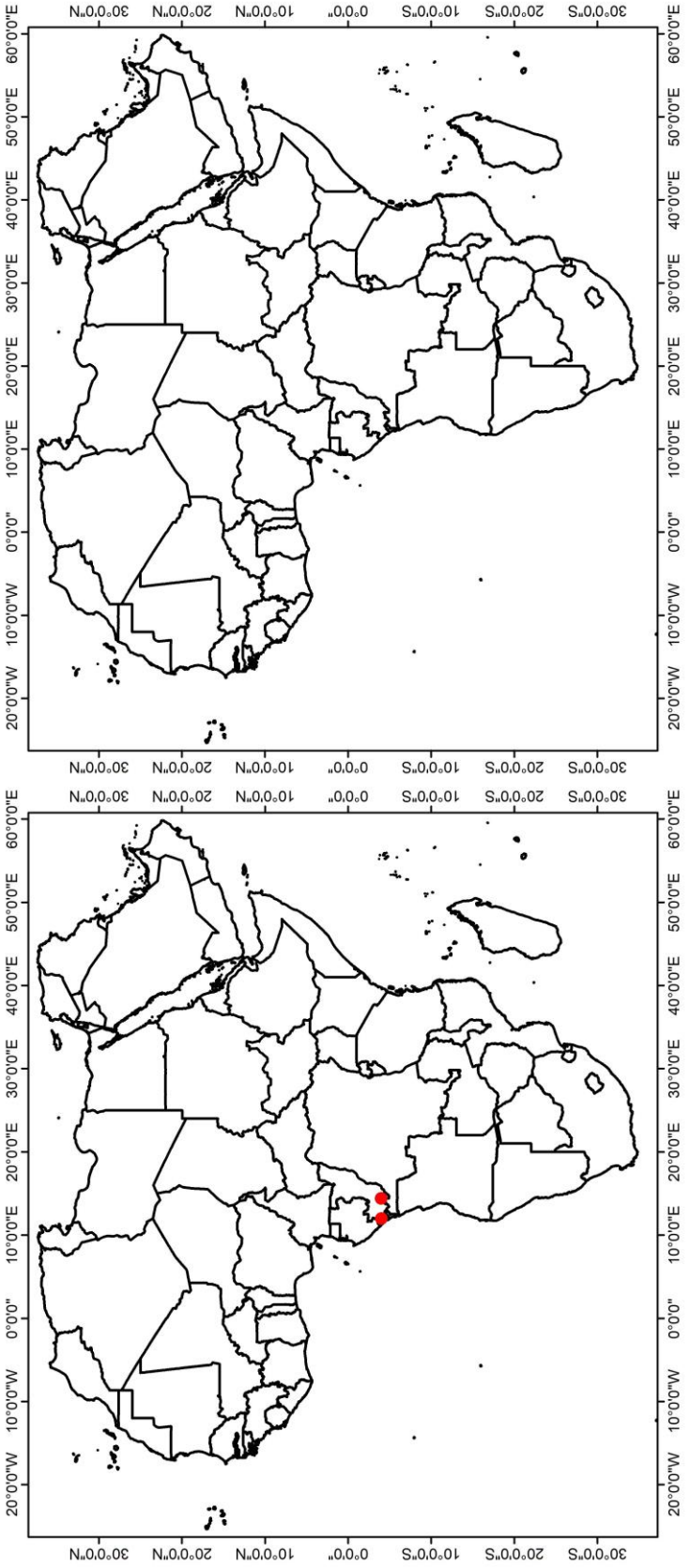

Distribution maps for *Rhinolophus adami* Aellen and Brosset, 1968
(left: all voucher specimens; right: voucher specimens collected since 1998).

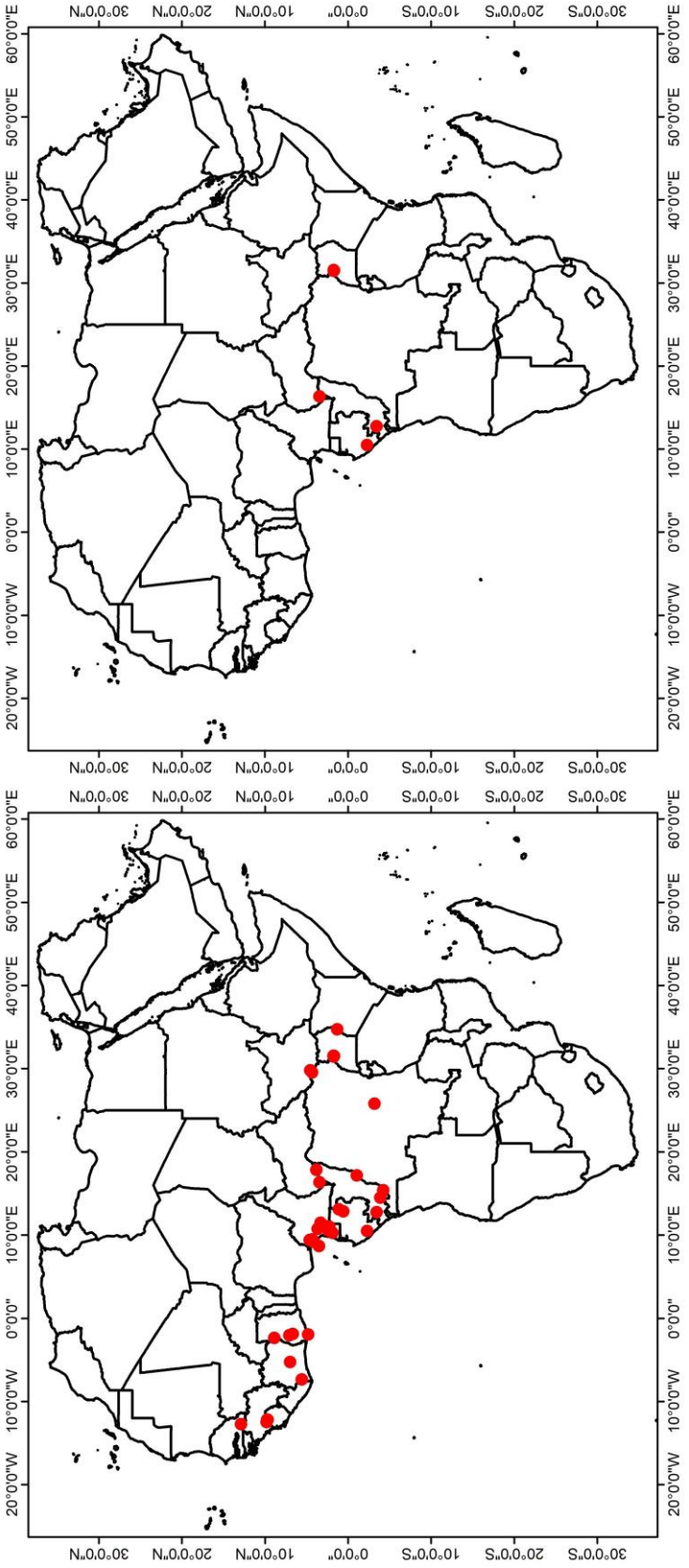

Distribution maps for *Rhinolophus alcyone* Temminck, 1853
(left: all voucher specimens; right: voucher specimens collected since 1998).

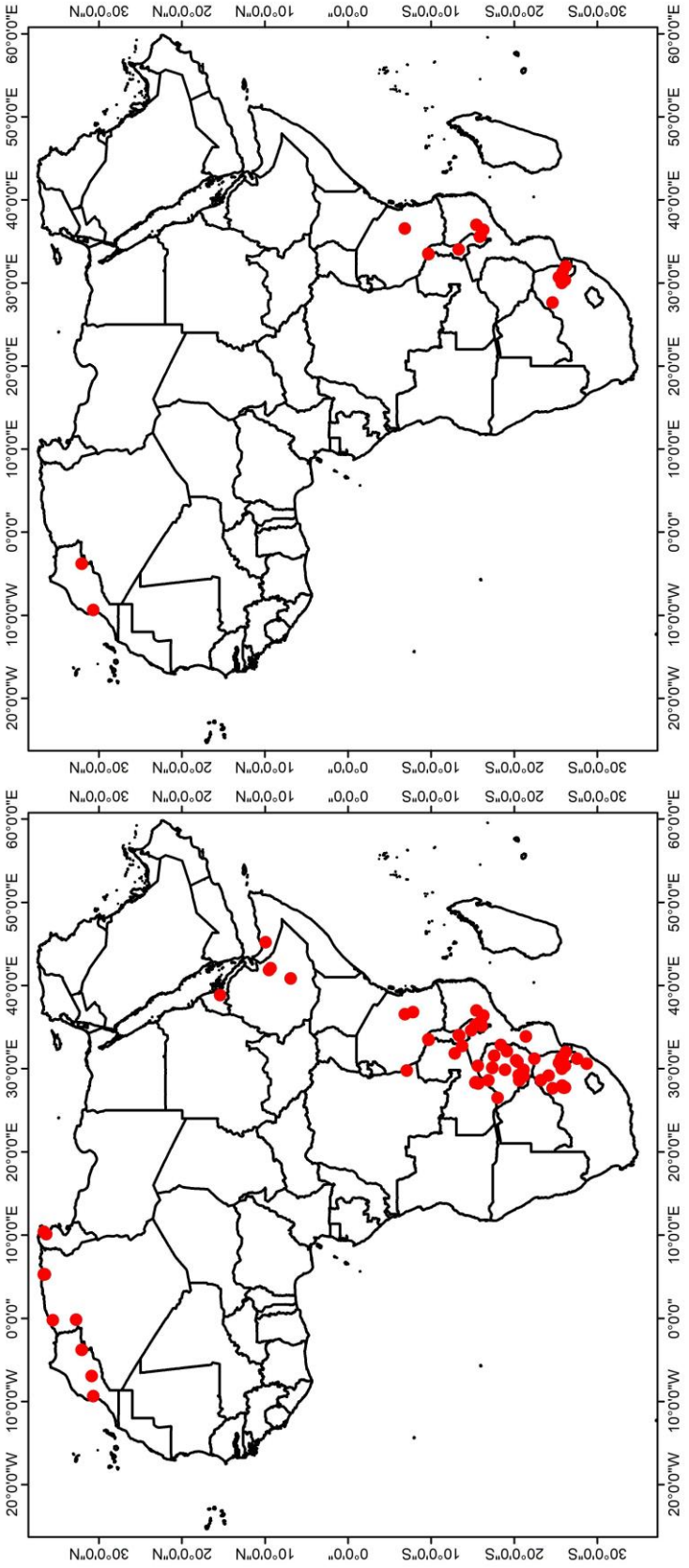

Distribution maps for *Rhinolophus blasii* Peters, 1867
(left: all voucher specimens; right: voucher specimens collected since 1998).

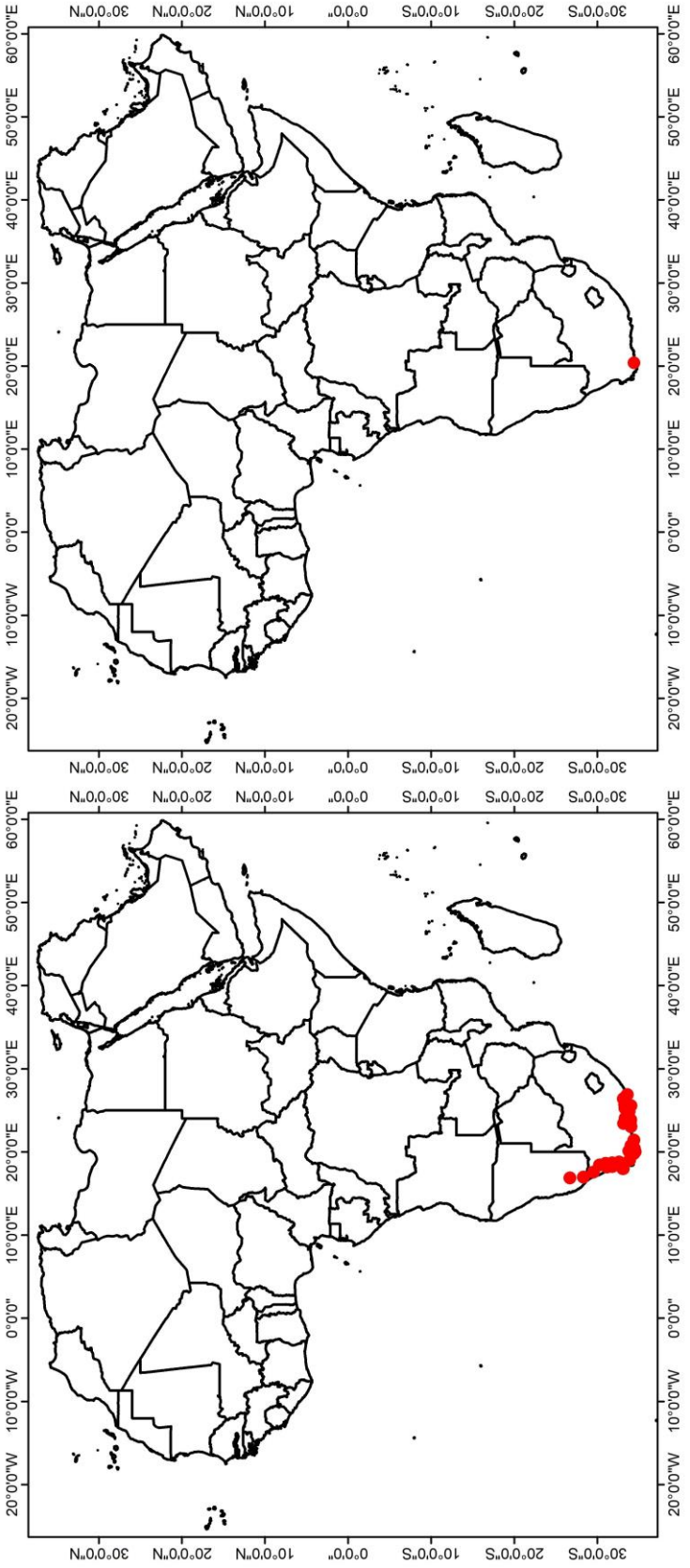

Distribution maps for *Rhinolophus capensis* Lichtenstein, 1823
(left: all voucher specimens; right: voucher specimens collected since 1998).

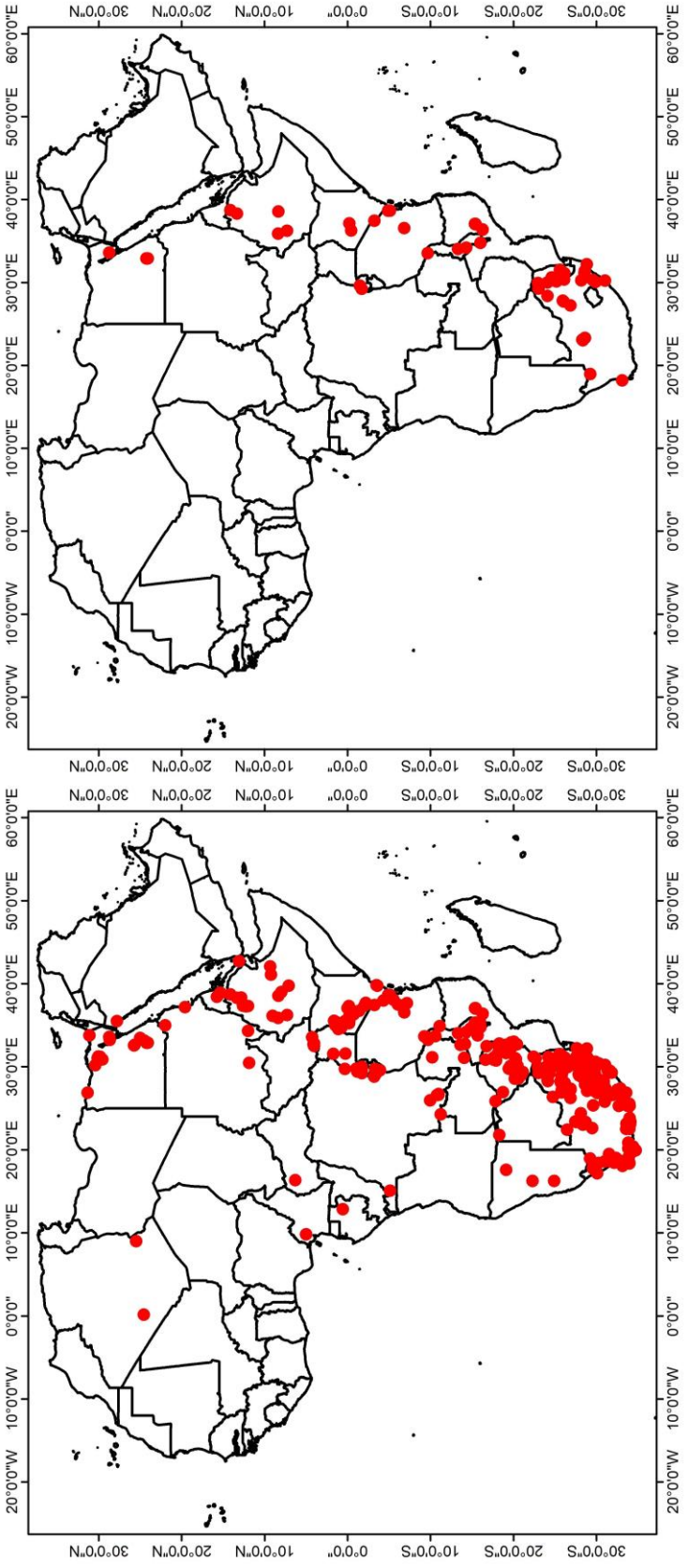

Distribution maps for *Rhinolophus clivosus* Cretzschmar, 1828
(left: all voucher specimens; right: voucher specimens collected since 1998).

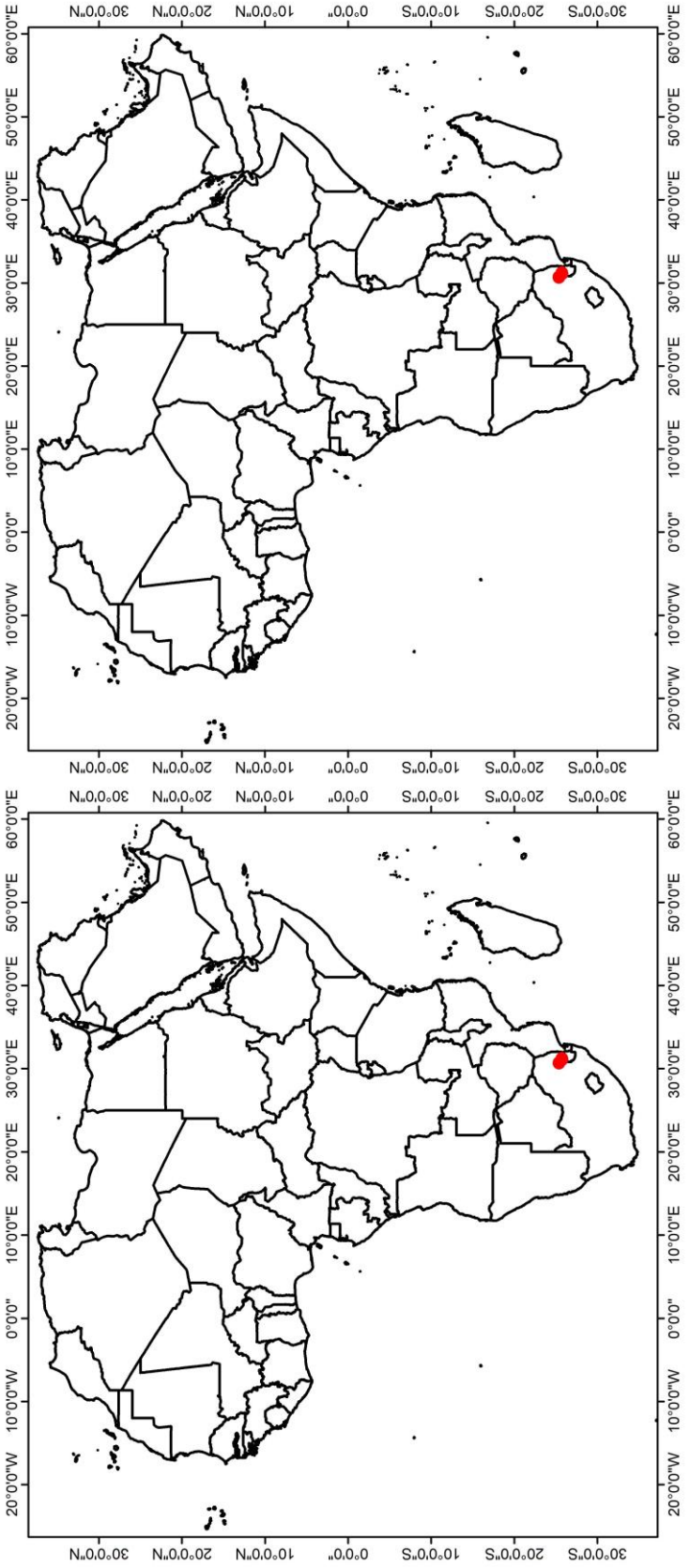

Distribution maps for *Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
(left: all voucher specimens; right: voucher specimens collected since 1998).

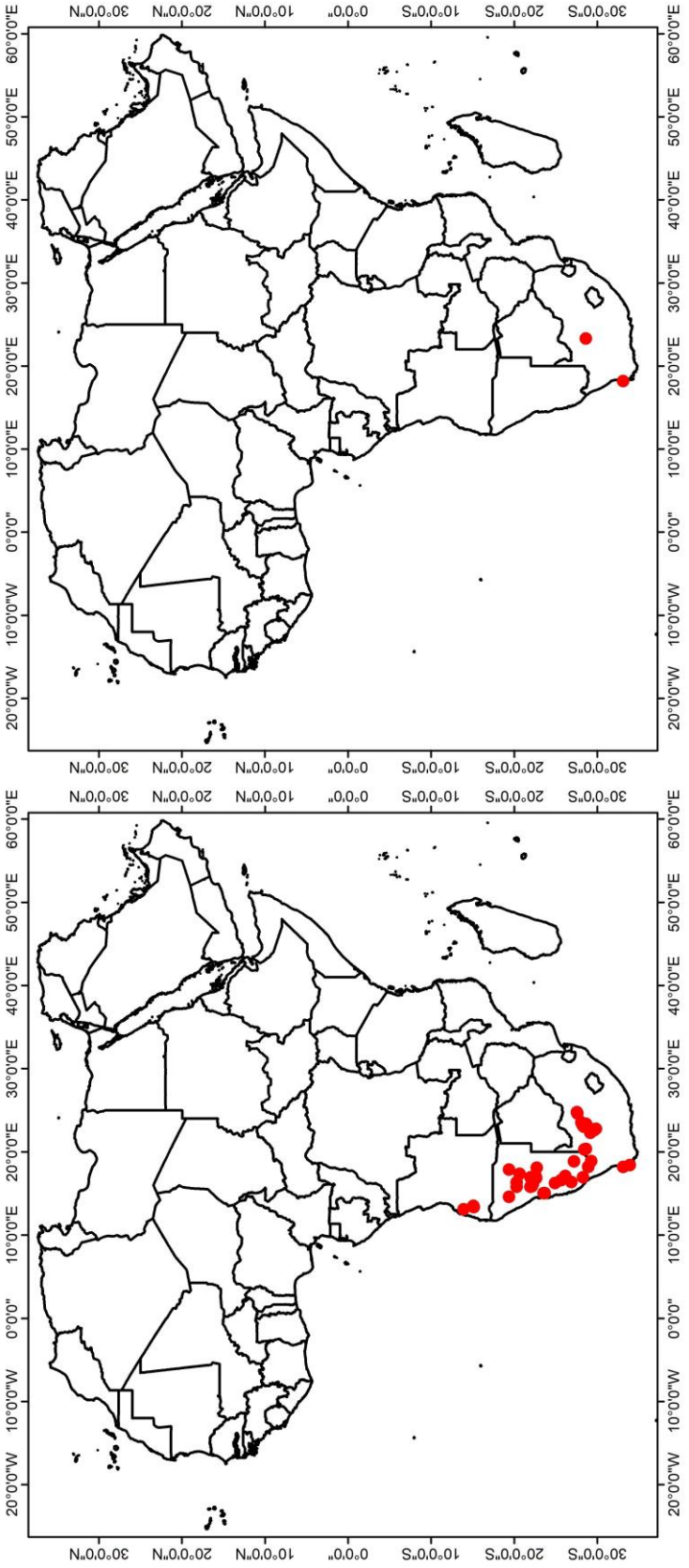

Distribution maps for *Rhinolophus damarensis* Roberts, 1946
(left: all voucher specimens; right: voucher specimens collected since 1998).

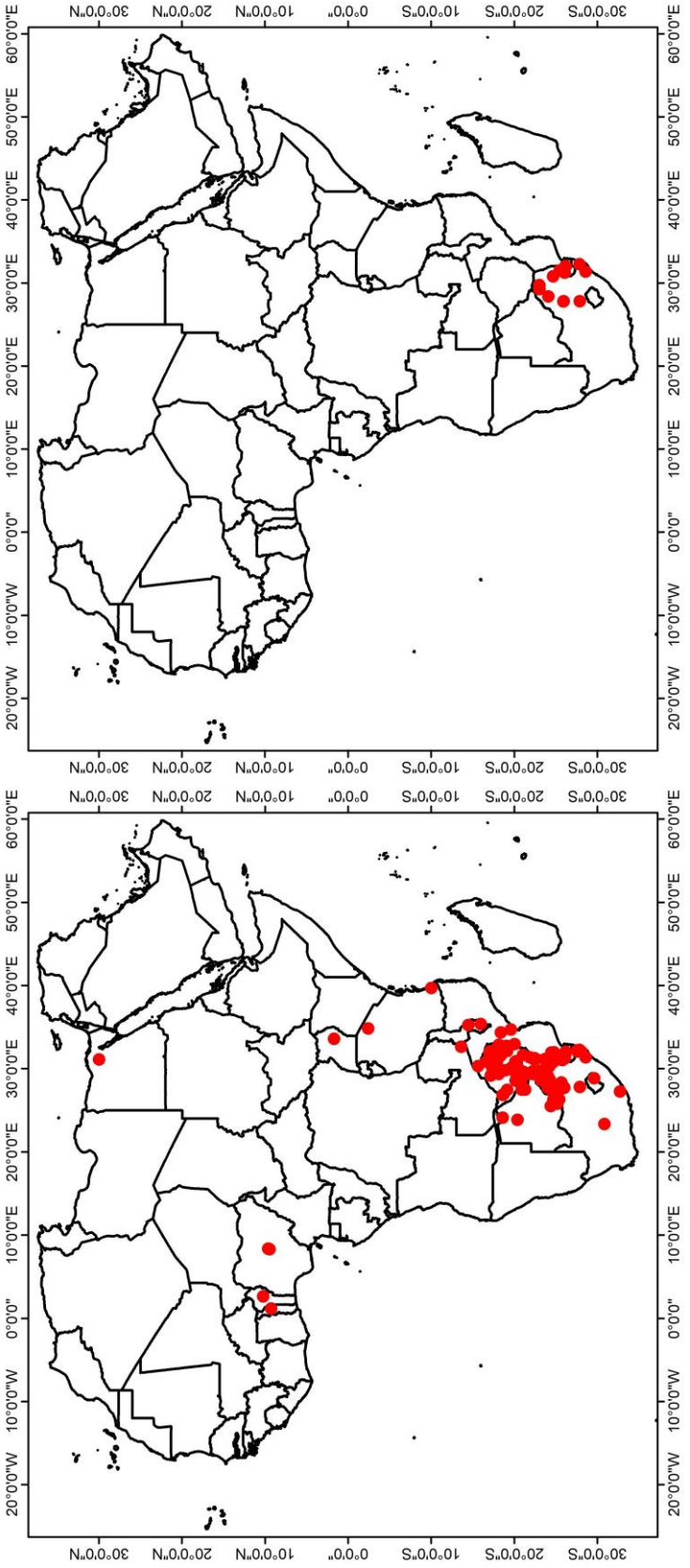

Distribution maps for *Rhinolophus darlingi* K. Andersen, 1905
(left: all voucher specimens; right: voucher specimens collected since 1998).

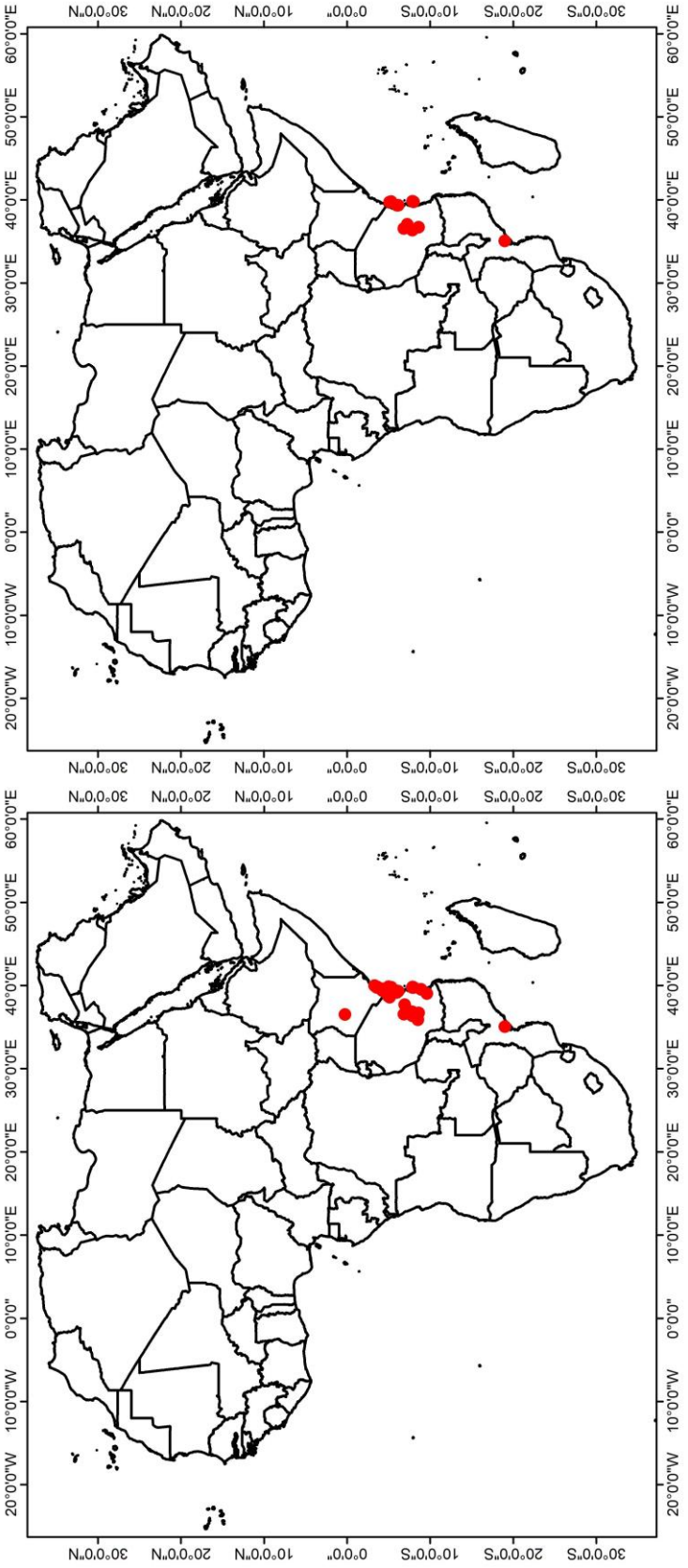

Distribution maps for *Rhinolophus deckenii* Peters, 1868
(left: all voucher specimens; right: voucher specimens collected since 1998).

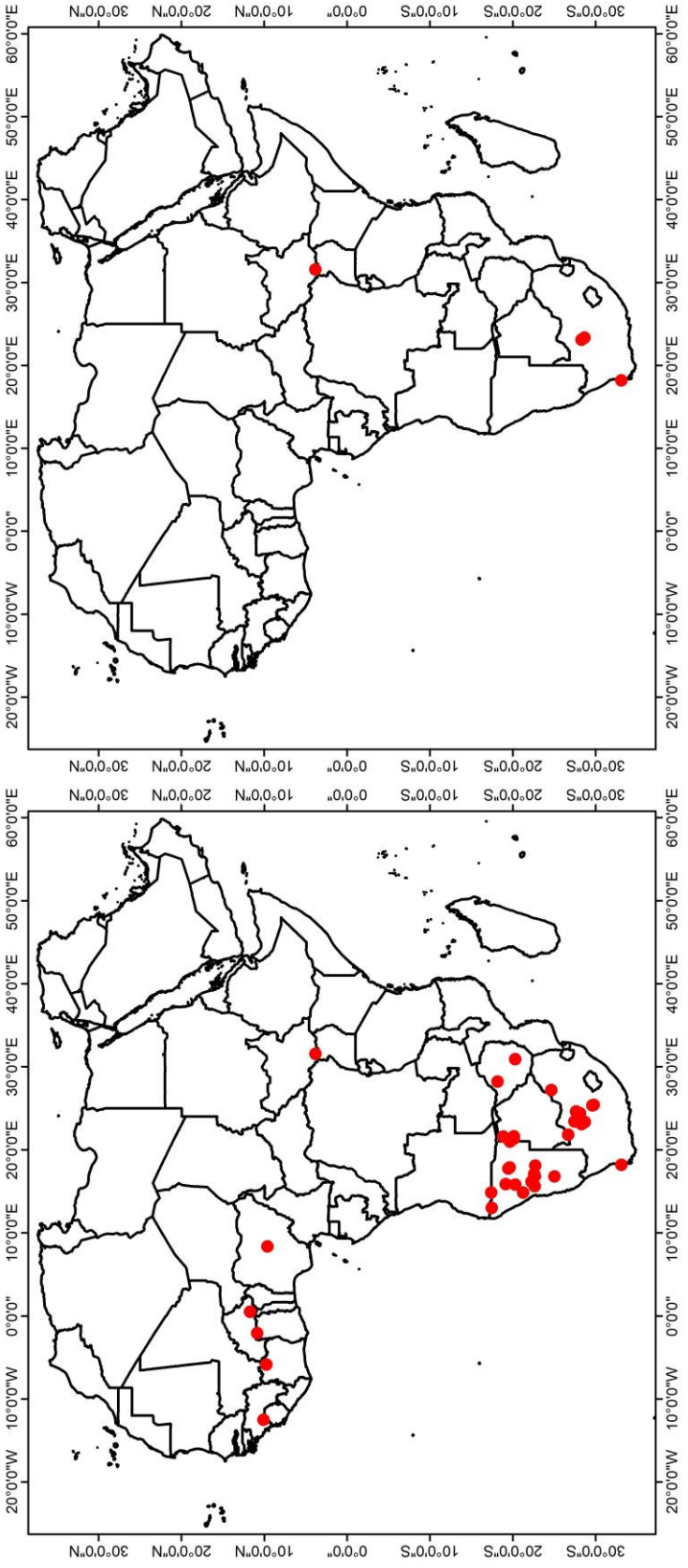

Distribution maps for *Rhinolophus denti* Thomas, 1904
(left: all voucher specimens; right: voucher specimens collected since 1998).

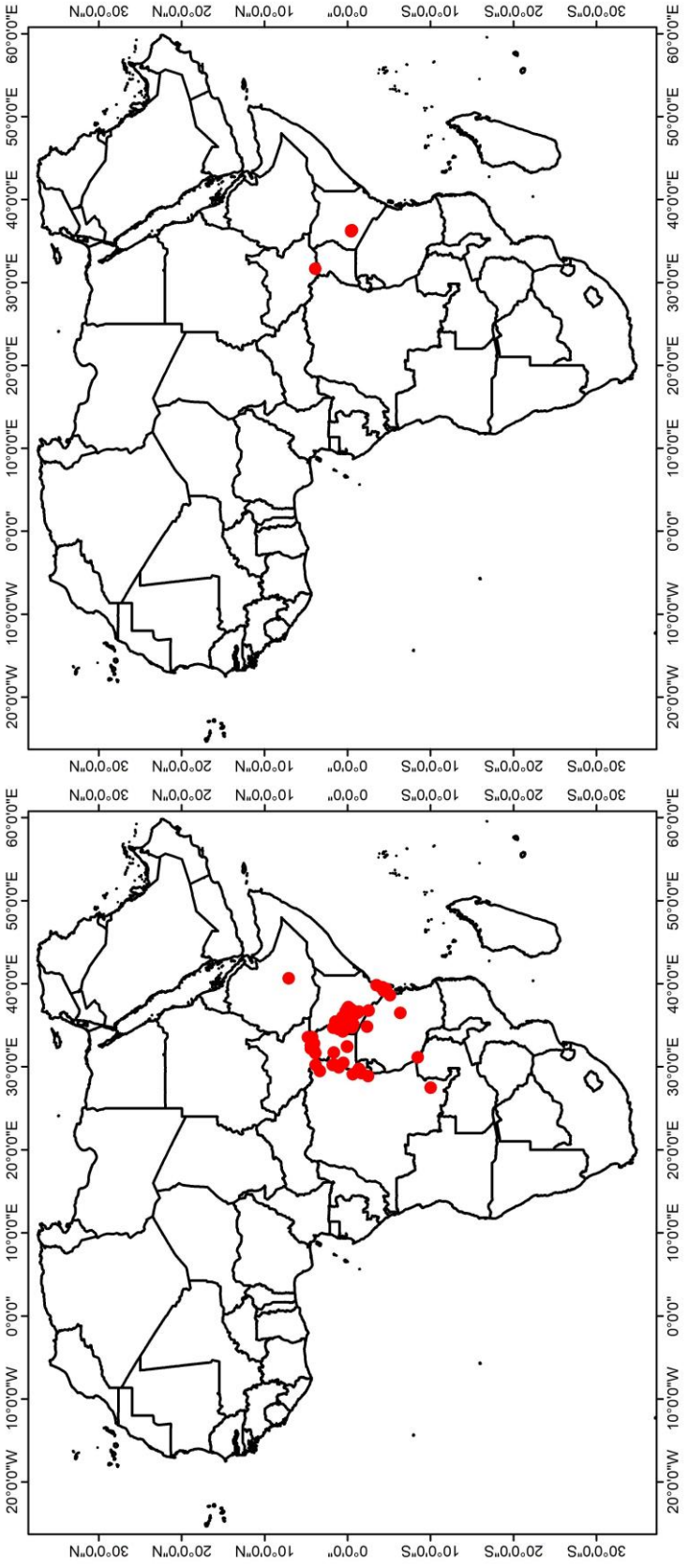

Distribution maps for *Rhinolophus eloquens* K. Andersen, 1905
(left: all voucher specimens; right: voucher specimens collected since 1998).

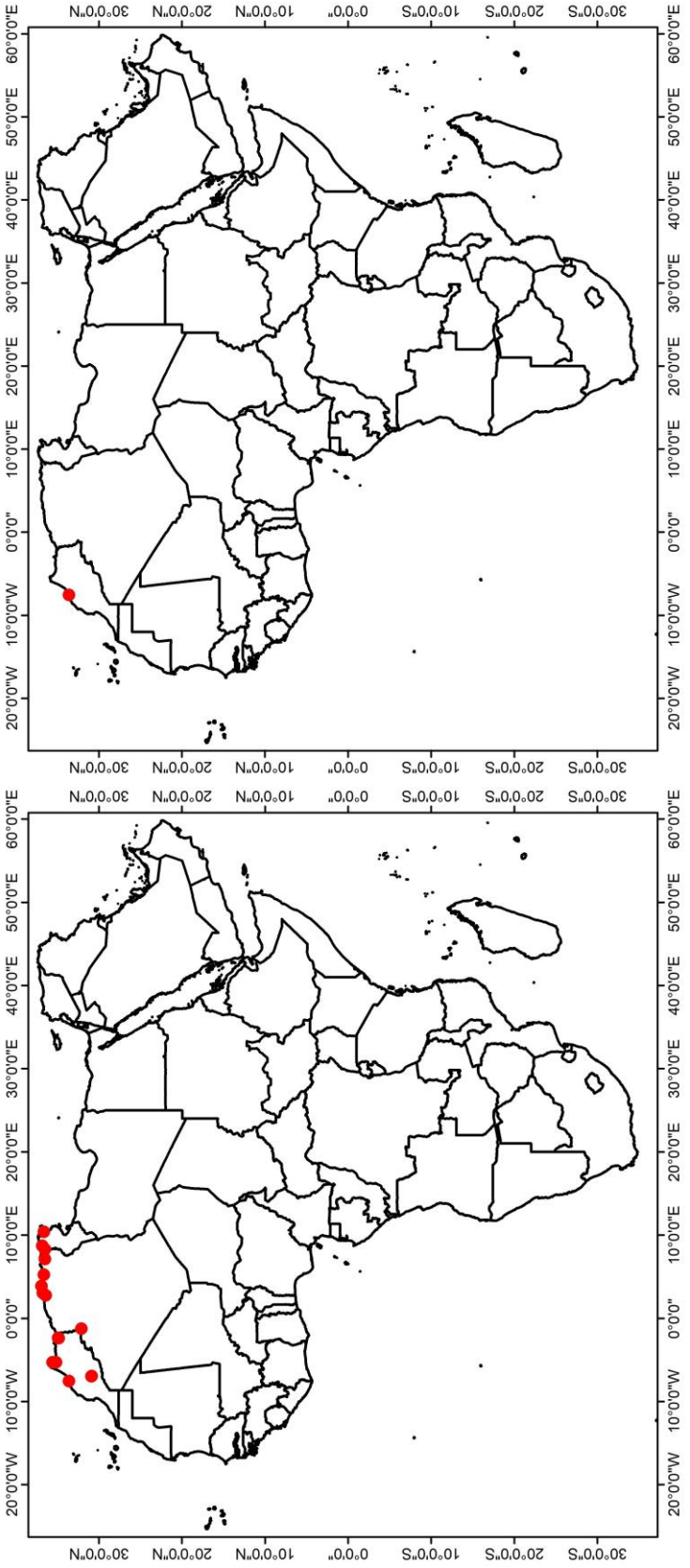

Distribution maps for *Rhinolophus euryale* Blasius, 1853
(left: all voucher specimens; right: voucher specimens collected since 1998).

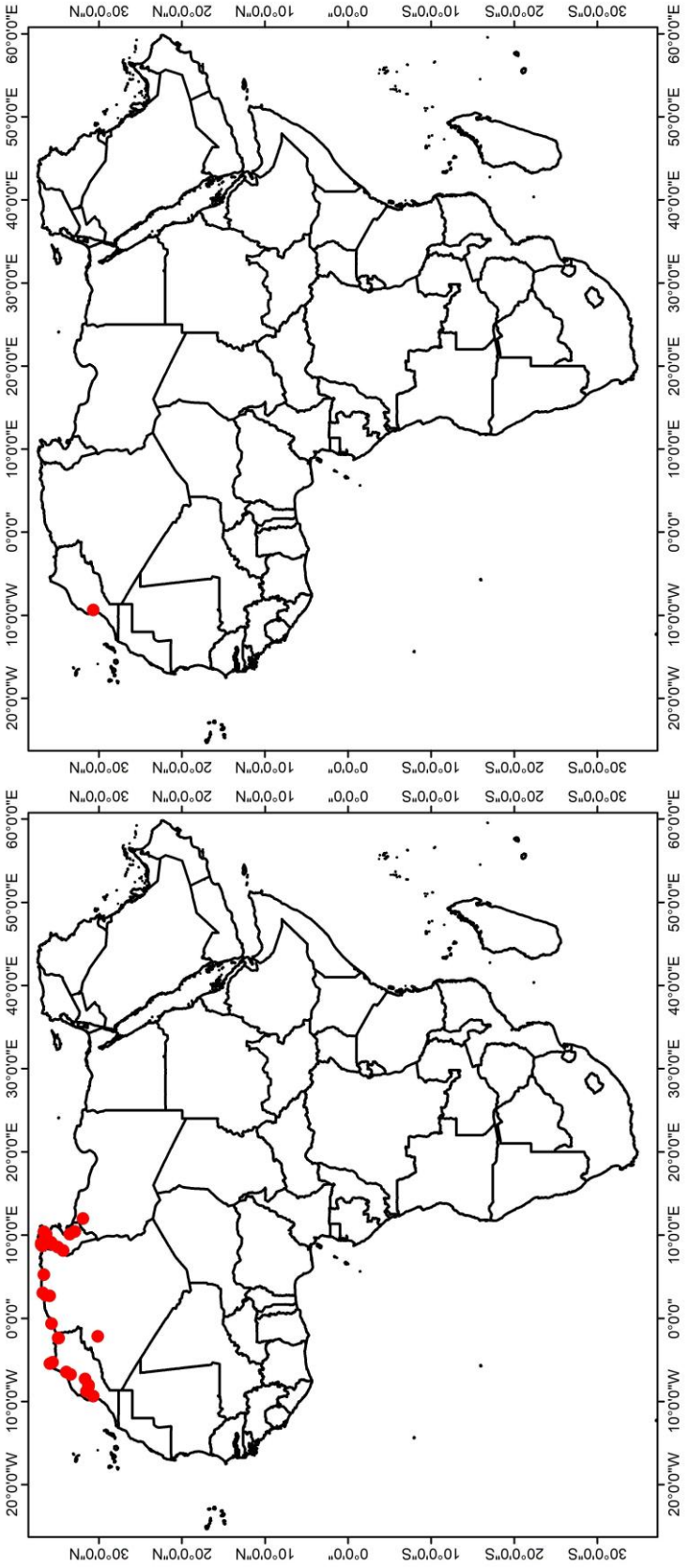

Distribution maps for *Rhinolophus ferrumequinum* (Schreber, 1774)
(left: all voucher specimens; right: voucher specimens collected since 1998).

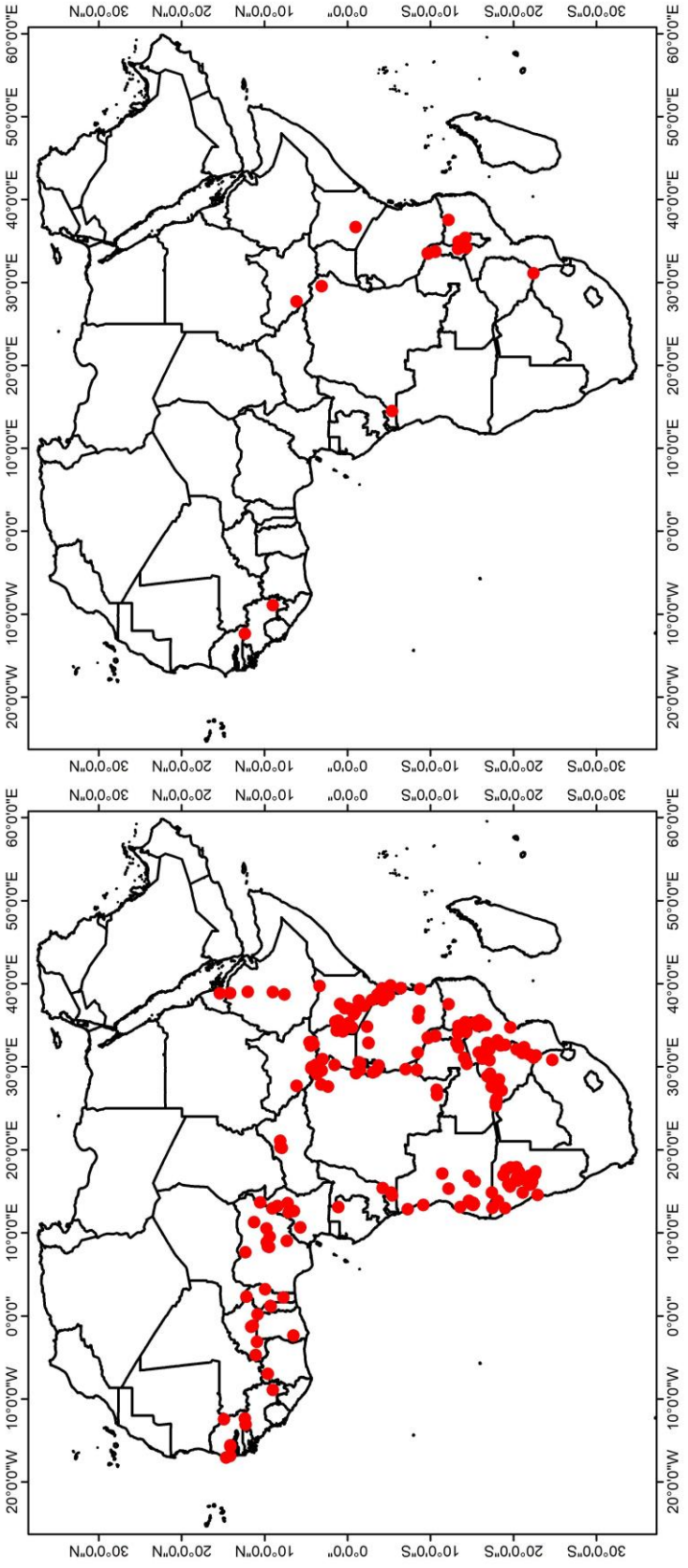

Distribution maps for *Rhinolophus fumigatus* Rüppell, 1842
(left: all voucher specimens; right: voucher specimens collected since 1998).

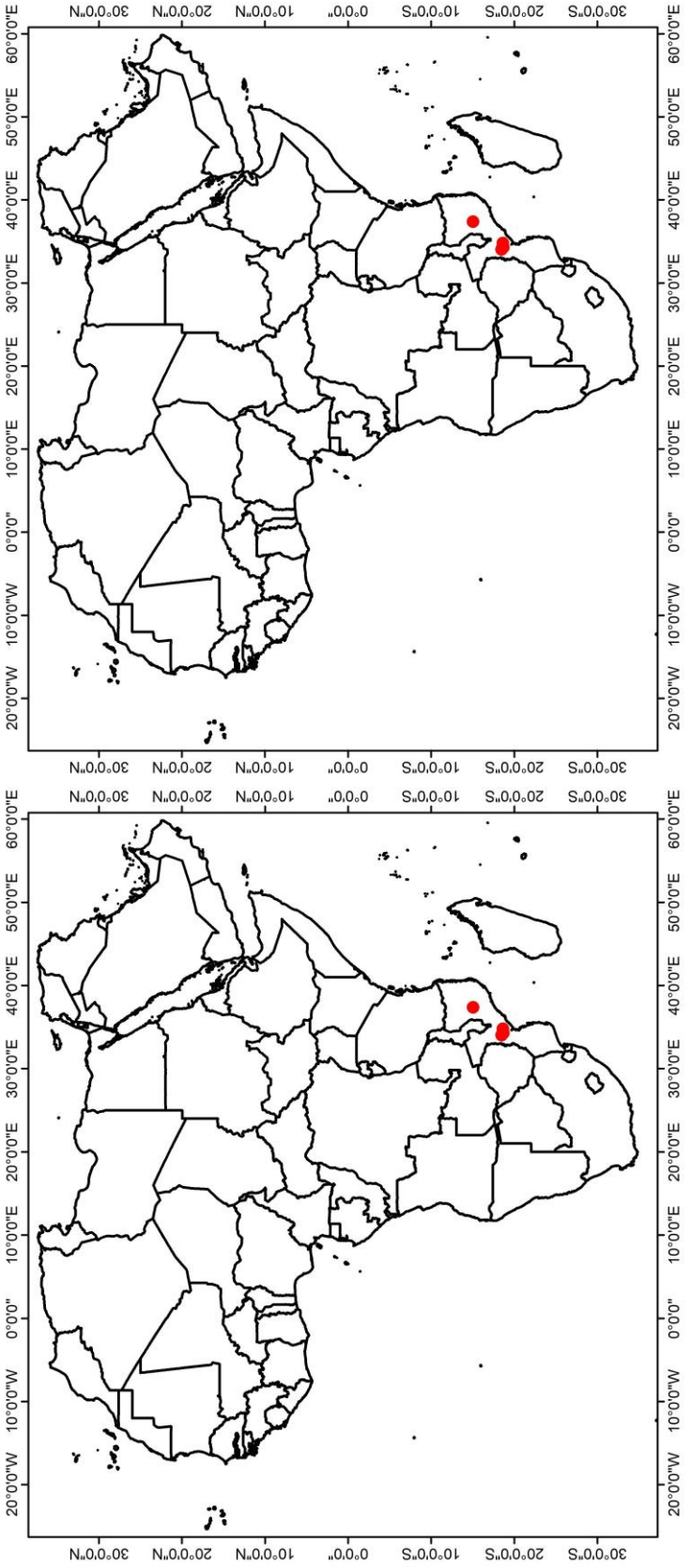

Distribution maps for *Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018
(left: all voucher specimens; right: voucher specimens collected since 1998).

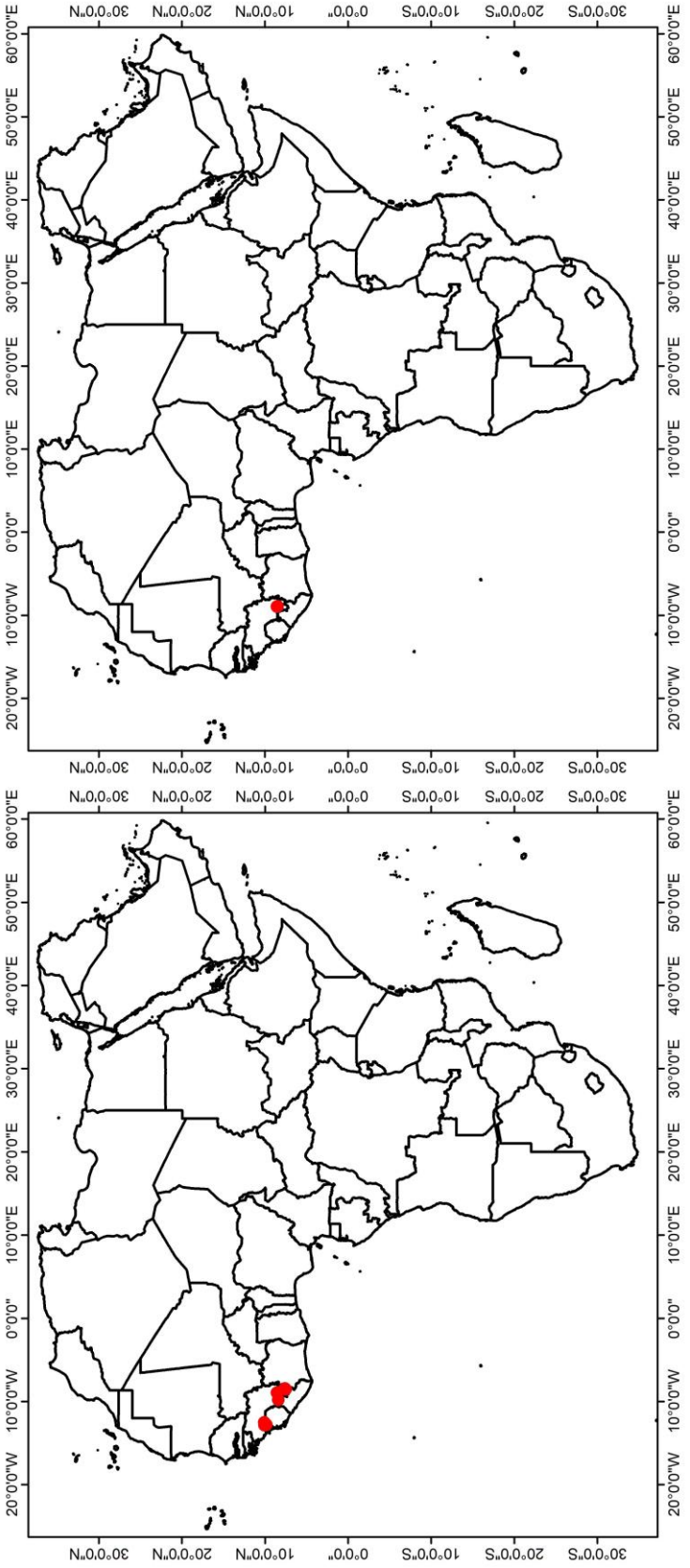

Distribution maps for *Rhinolophus guineensis* Eisentraut, 1960
(left: all voucher specimens; right: voucher specimens collected since 1998).

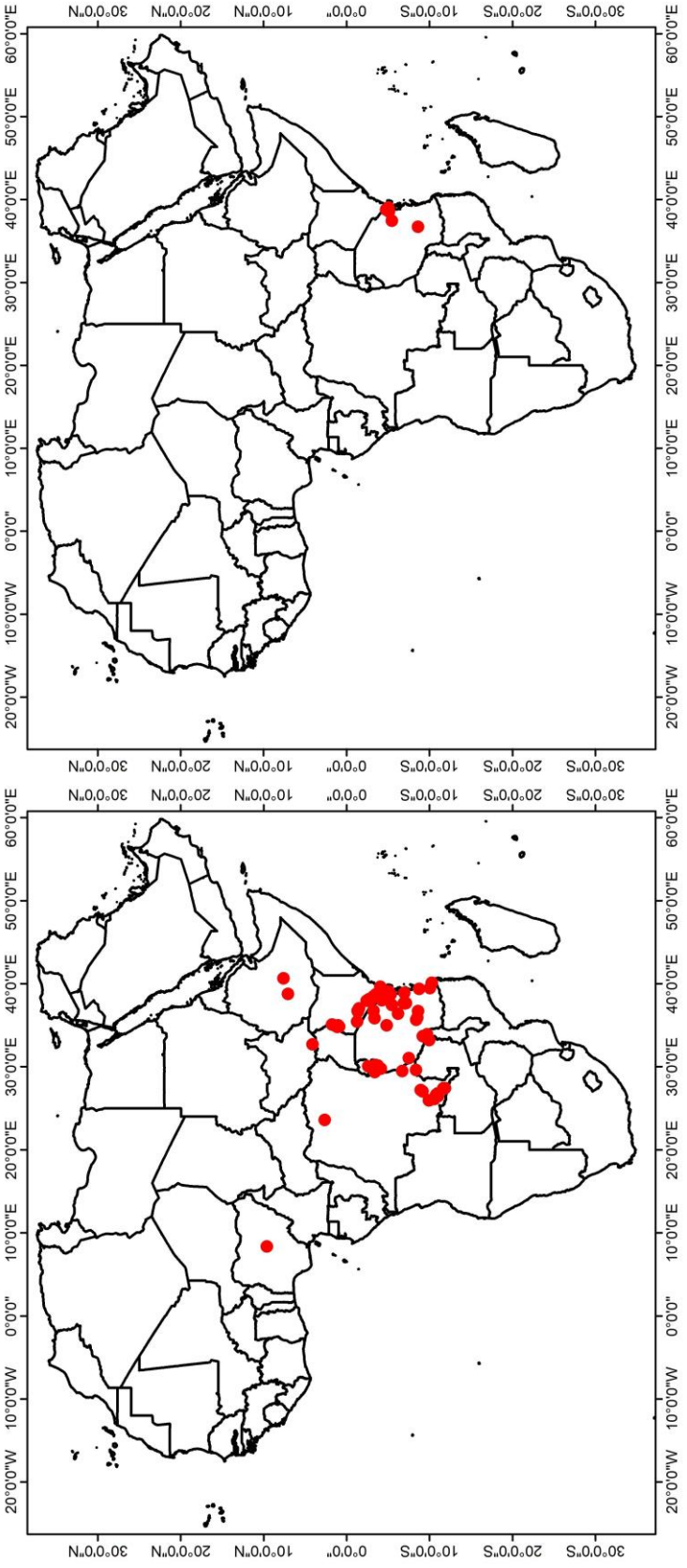

Distribution maps for *Rhinolophus hildebrandtii* Peters, 1878
(left: all voucher specimens; right: voucher specimens collected since 1998).

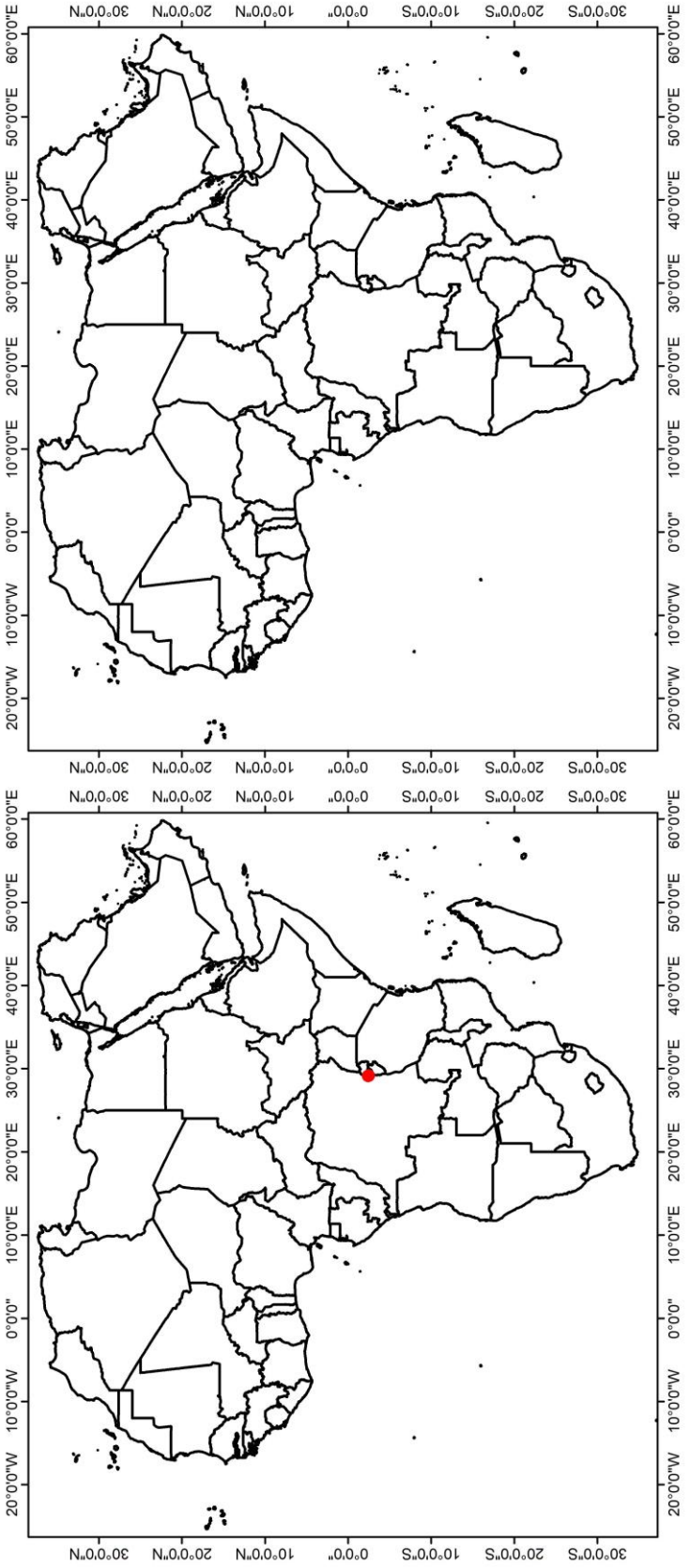

Distribution maps for *Rhinolophus hilli* Aellen, 1973
(left: all voucher specimens; right: voucher specimens collected since 1998).

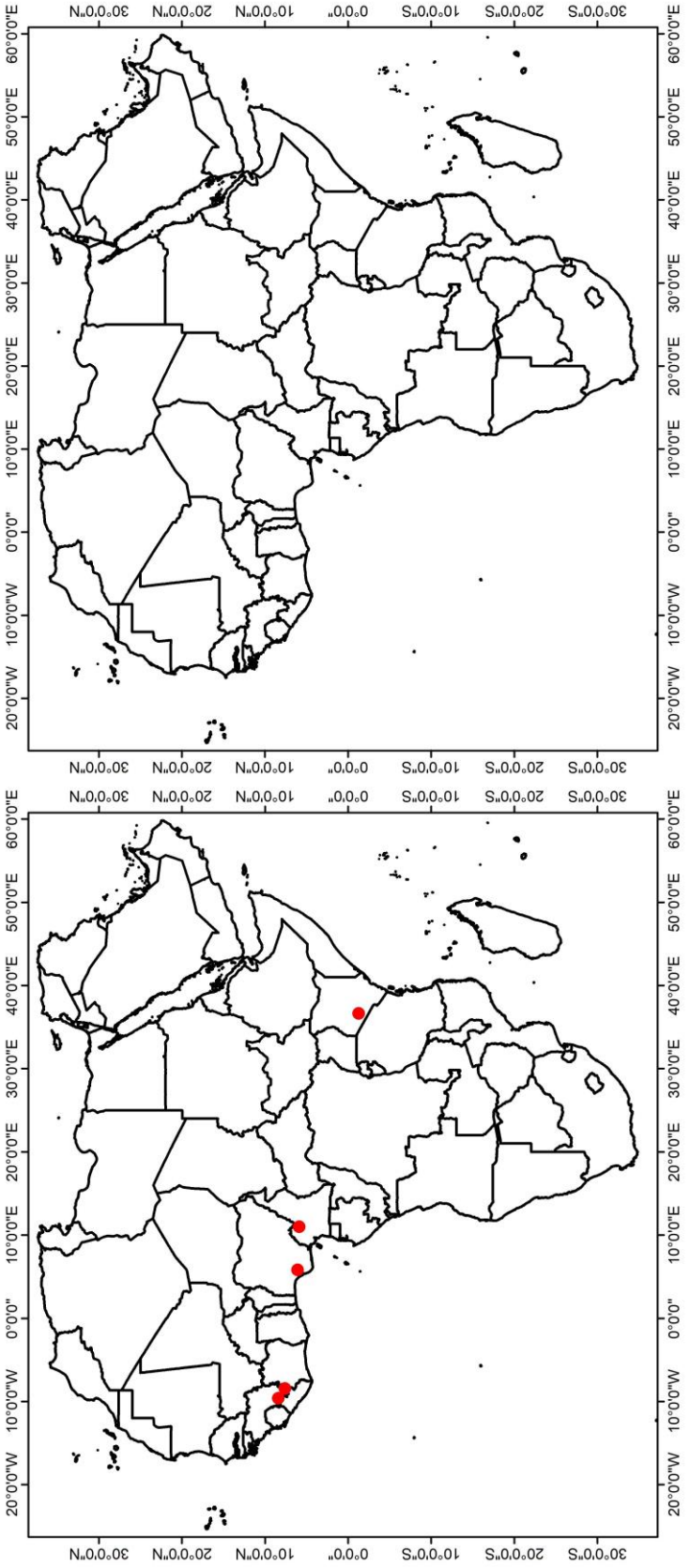

Distribution maps for *Rhinolophus hillorum* Koopman, 1989
(left: all voucher specimens; right: voucher specimens collected since 1998).

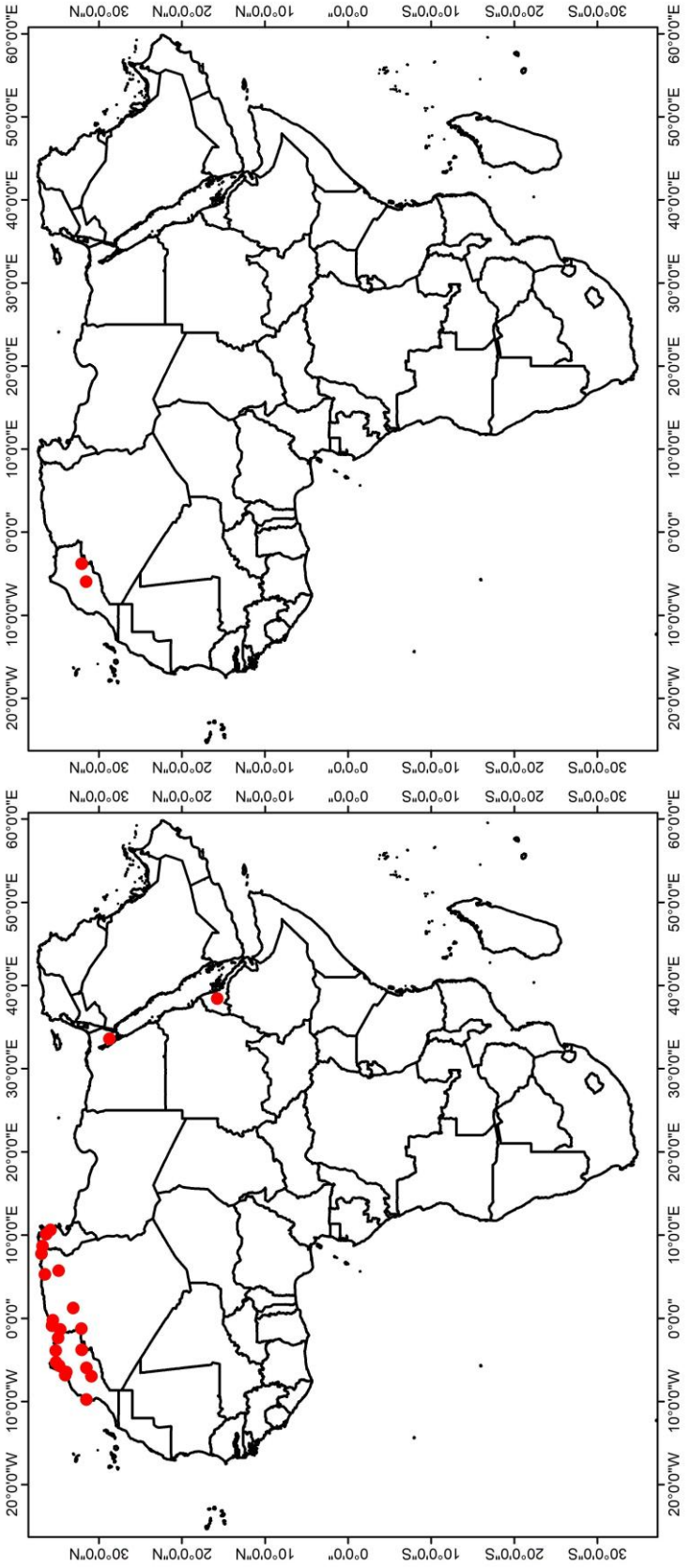

Distribution maps for *Rhinolophus hipposideros* (Bechstein, 1800)
(left: all voucher specimens; right: voucher specimens collected since 1998).

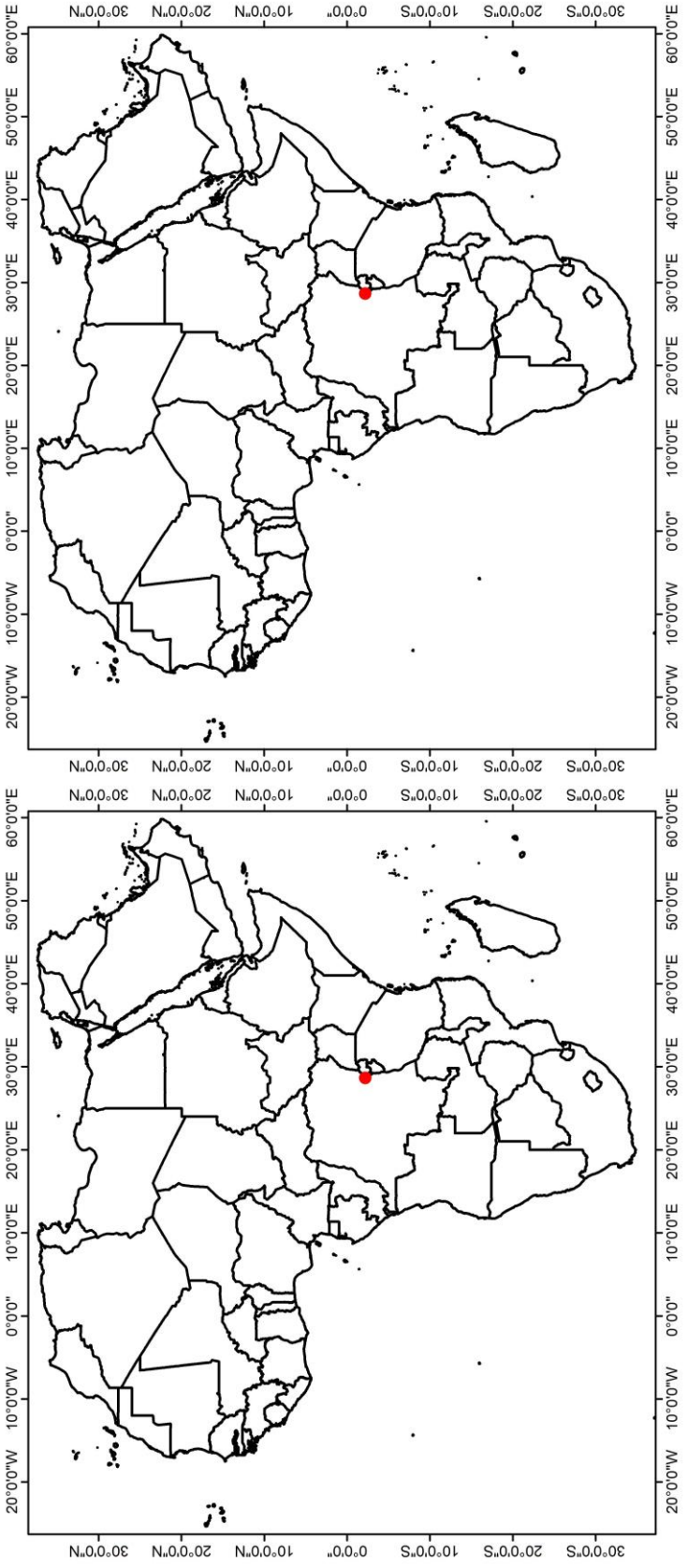

Distribution maps for *Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013 (left: all voucher specimens; right: voucher specimens collected since 1998).

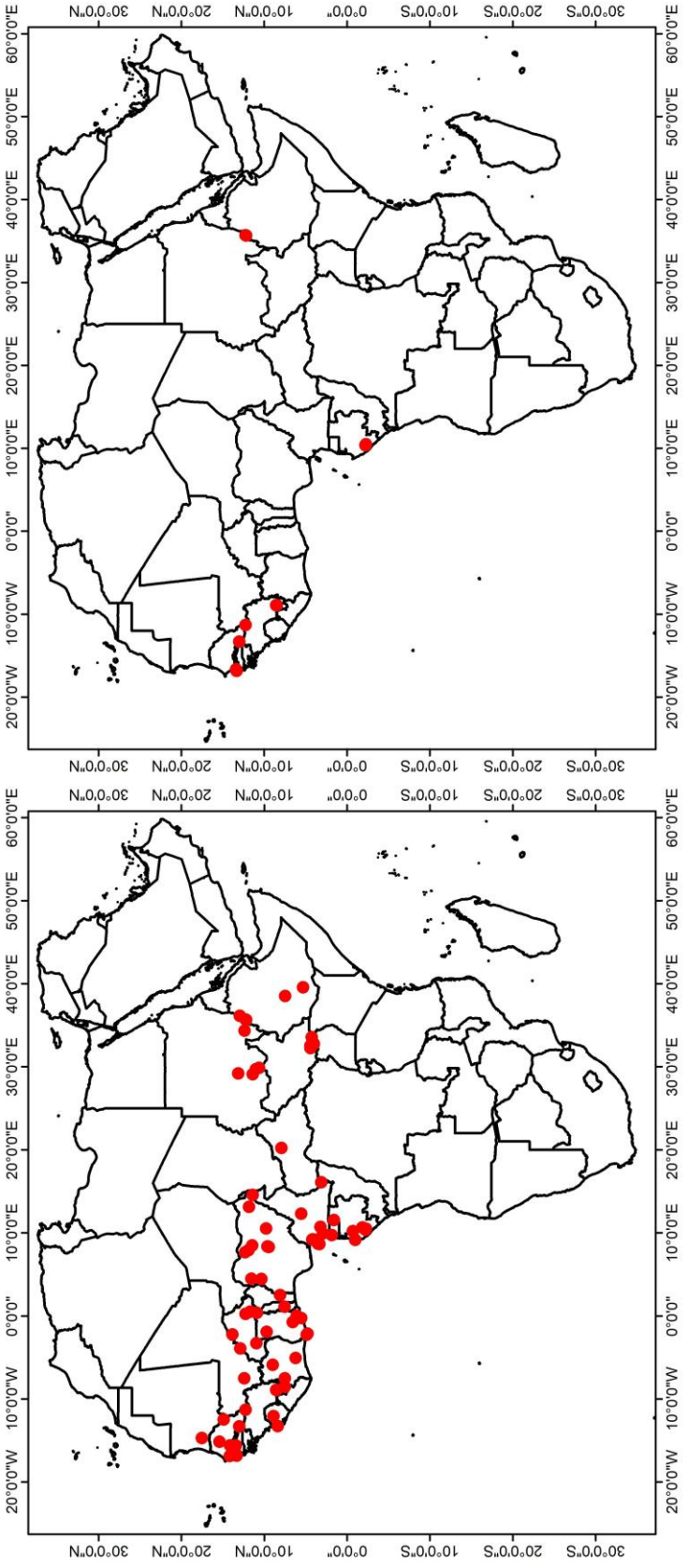

Distribution maps for *Rhinolophus landeri* Martin, 1838
(left: all voucher specimens; right: voucher specimens collected since 1998).

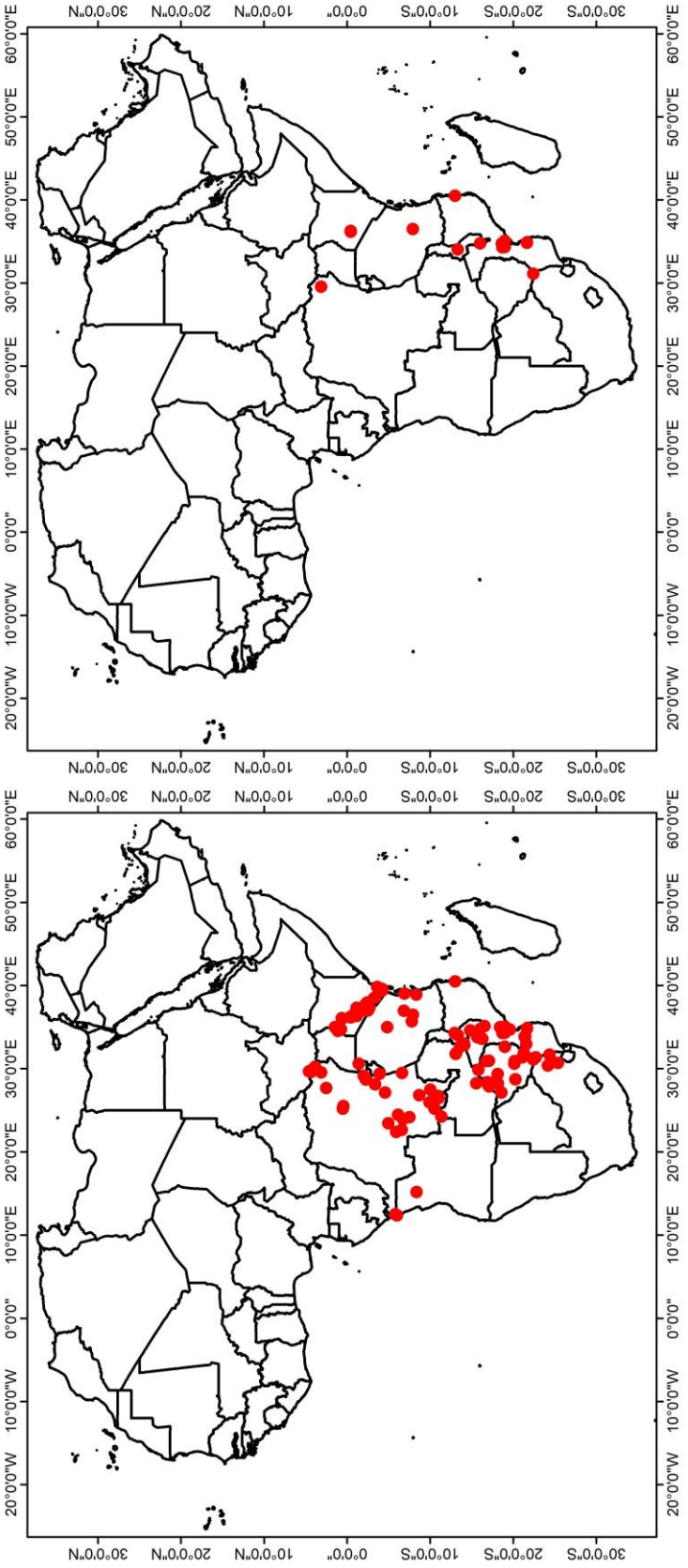

Distribution maps for *Rhinolophus lobatus* Peters, 1852
(left: all voucher specimens; right: voucher specimens collected since 1998).

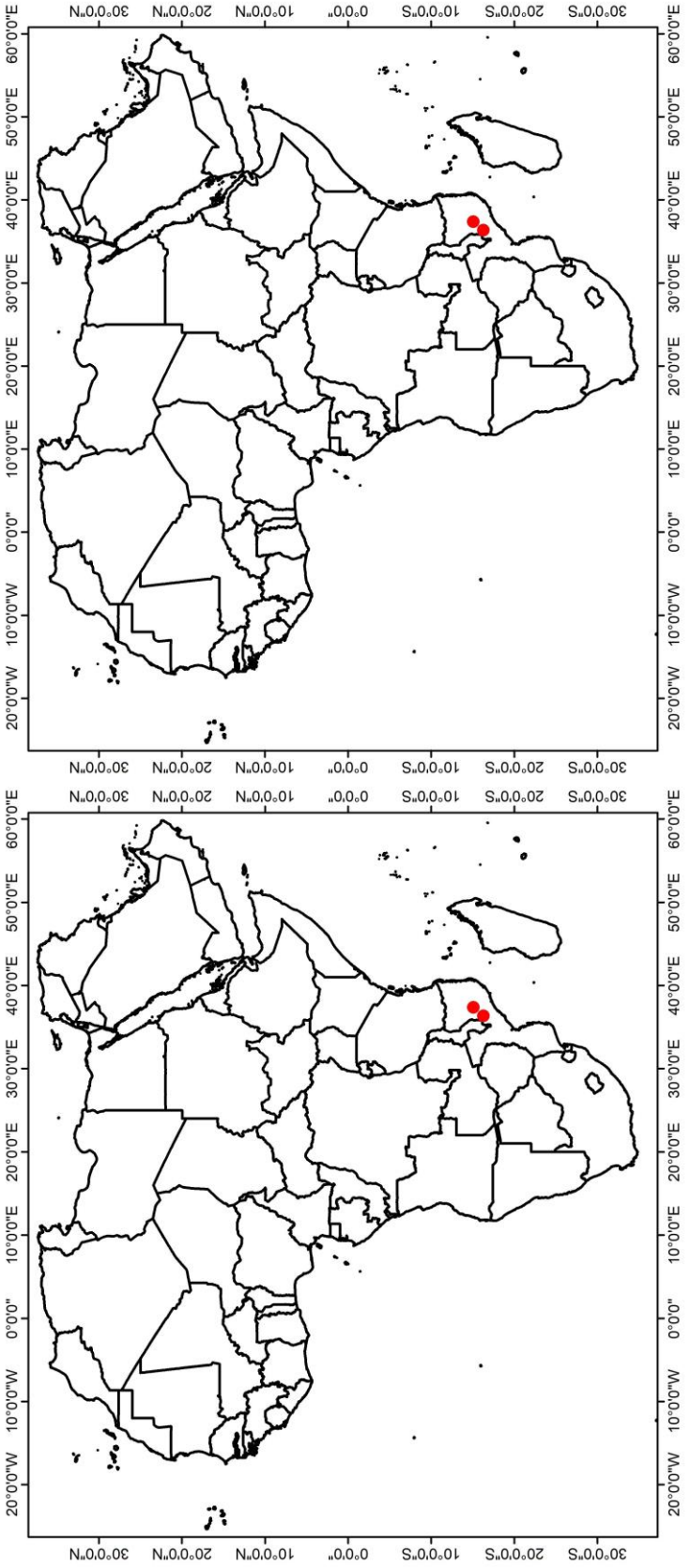

Distribution maps for *Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
(left: all voucher specimens; right: voucher specimens collected since 1998).

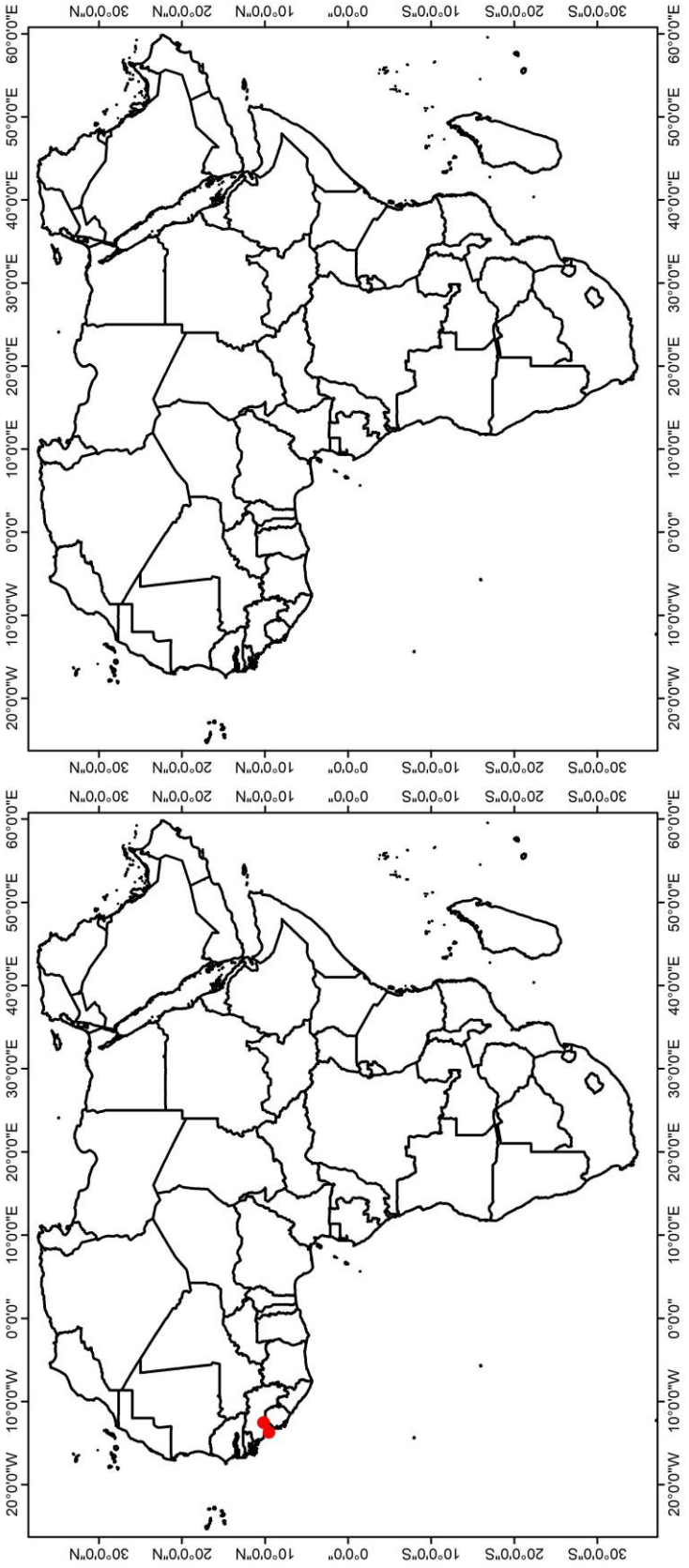

Distribution maps for *Rhinolophus maclaudi* Pousargues, 1898
(left: all voucher specimens; right: voucher specimens collected since 1998).

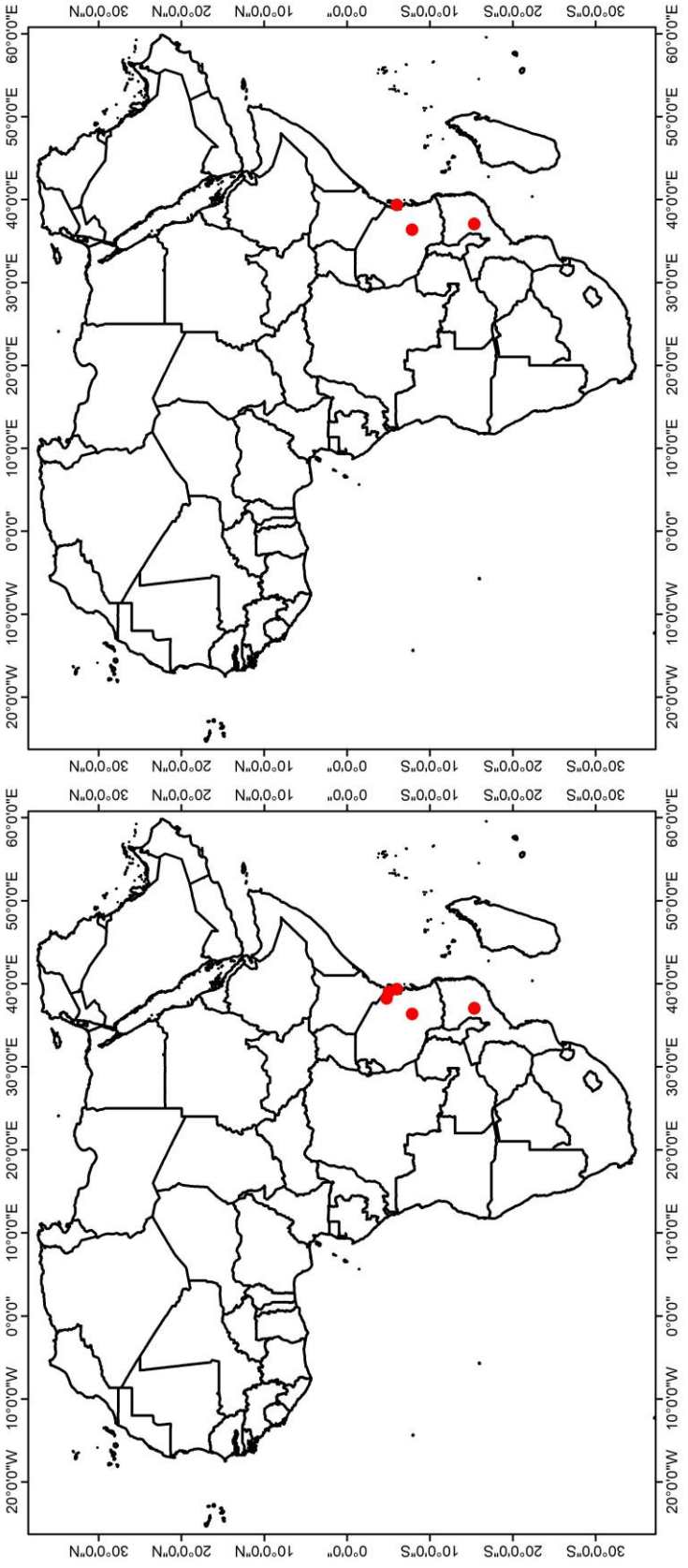

Distribution maps for *Rhinolophus maendeleo* Kock, Csorba and Howell, 2000 (left: all voucher specimens; right: voucher specimens collected since 1998).

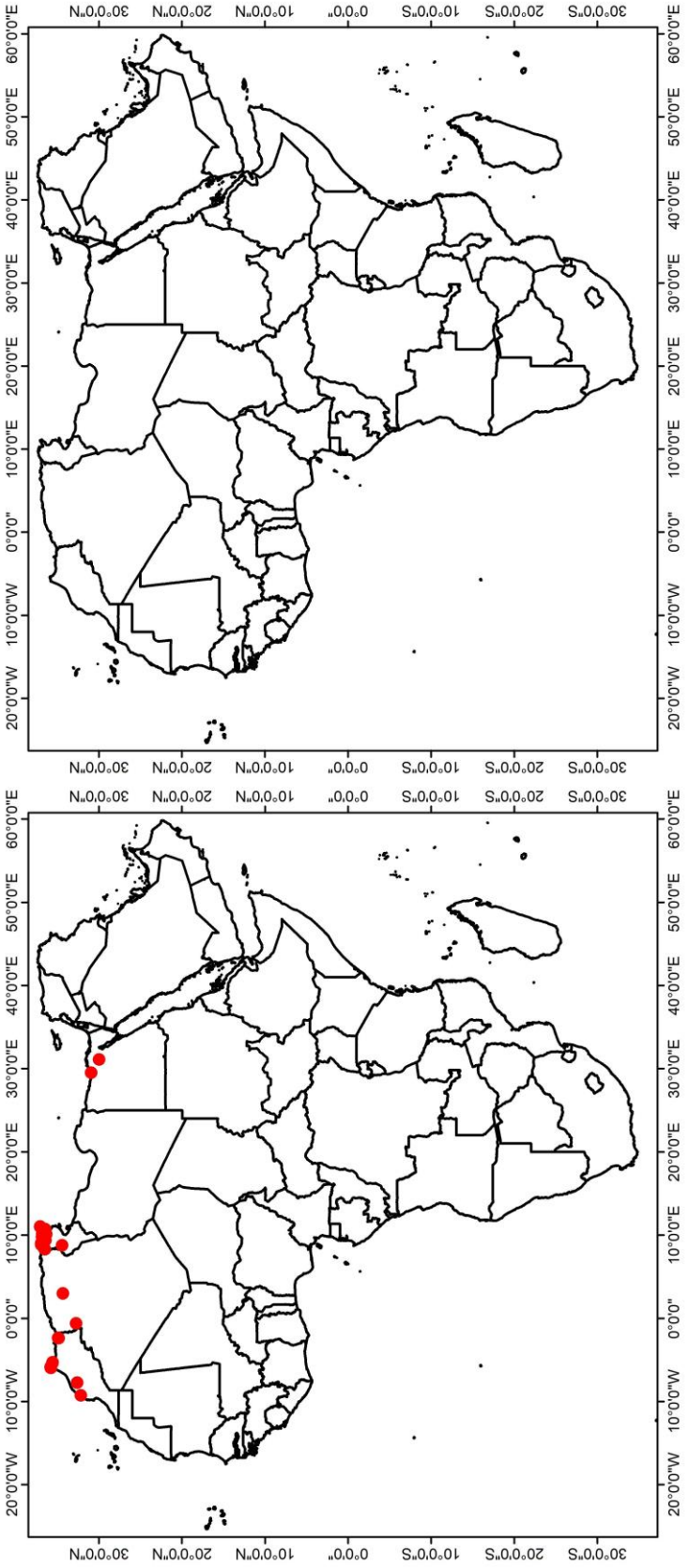

Distribution maps for *Rhinolophus mehelyi* Matschie, 1901
(left: all voucher specimens; right: voucher specimens collected since 1998).

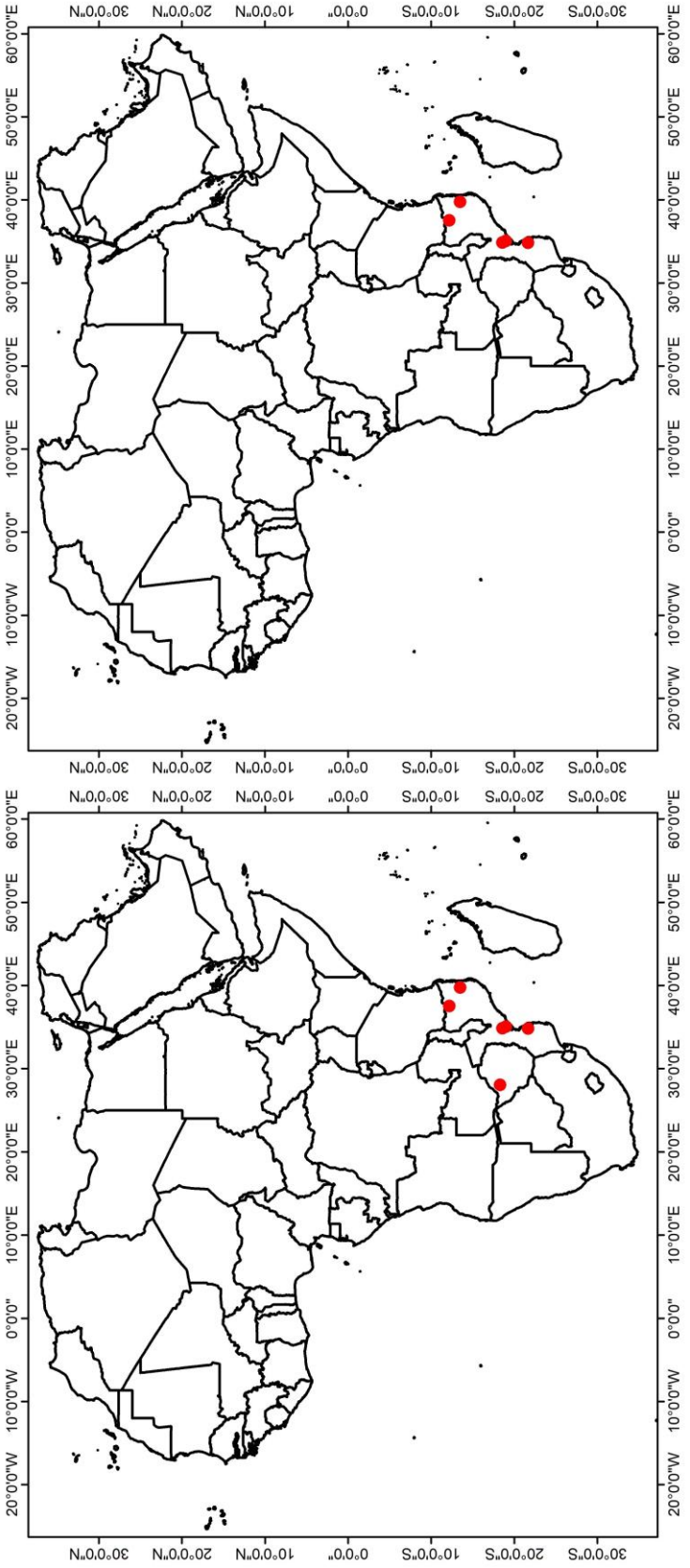

Distribution maps for *Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012 (left: all voucher specimens; right: voucher specimens collected since 1998).

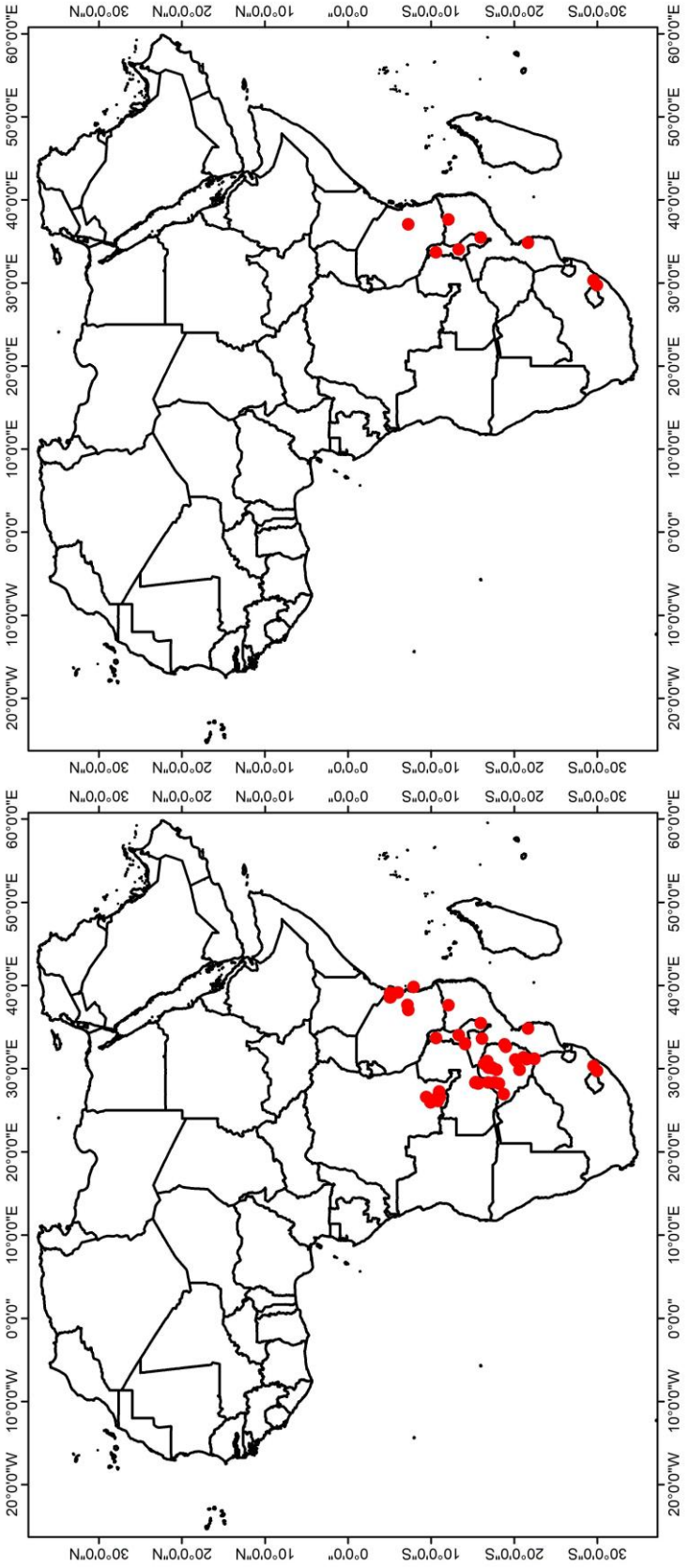

Distribution maps for *Rhinolophus rhodesiae* Roberts, 1946
(left: all voucher specimens; right: voucher specimens collected since 1998).

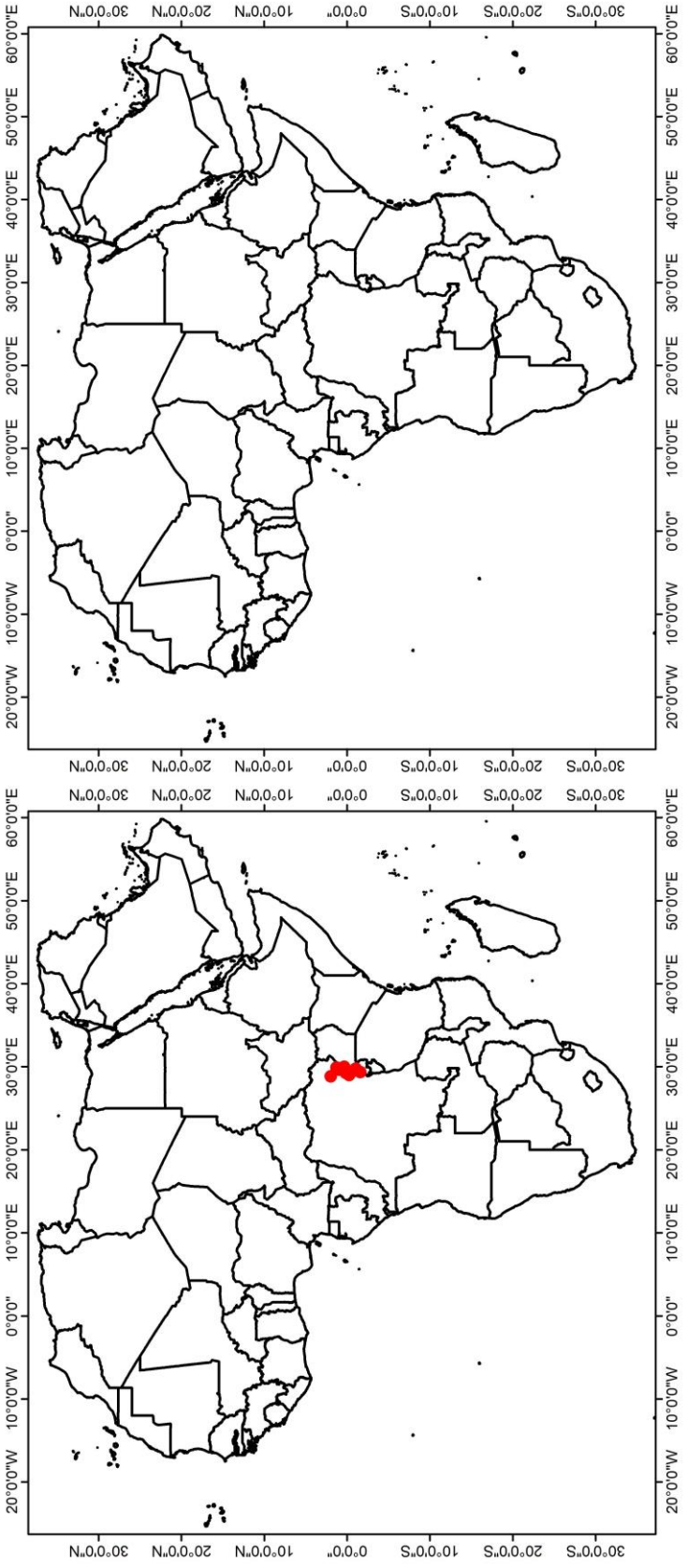

Distribution maps for *Rhinolophus ruwenzorii* J. Eric Hill, 1942
(left: all voucher specimens; right: voucher specimens collected since 1998).

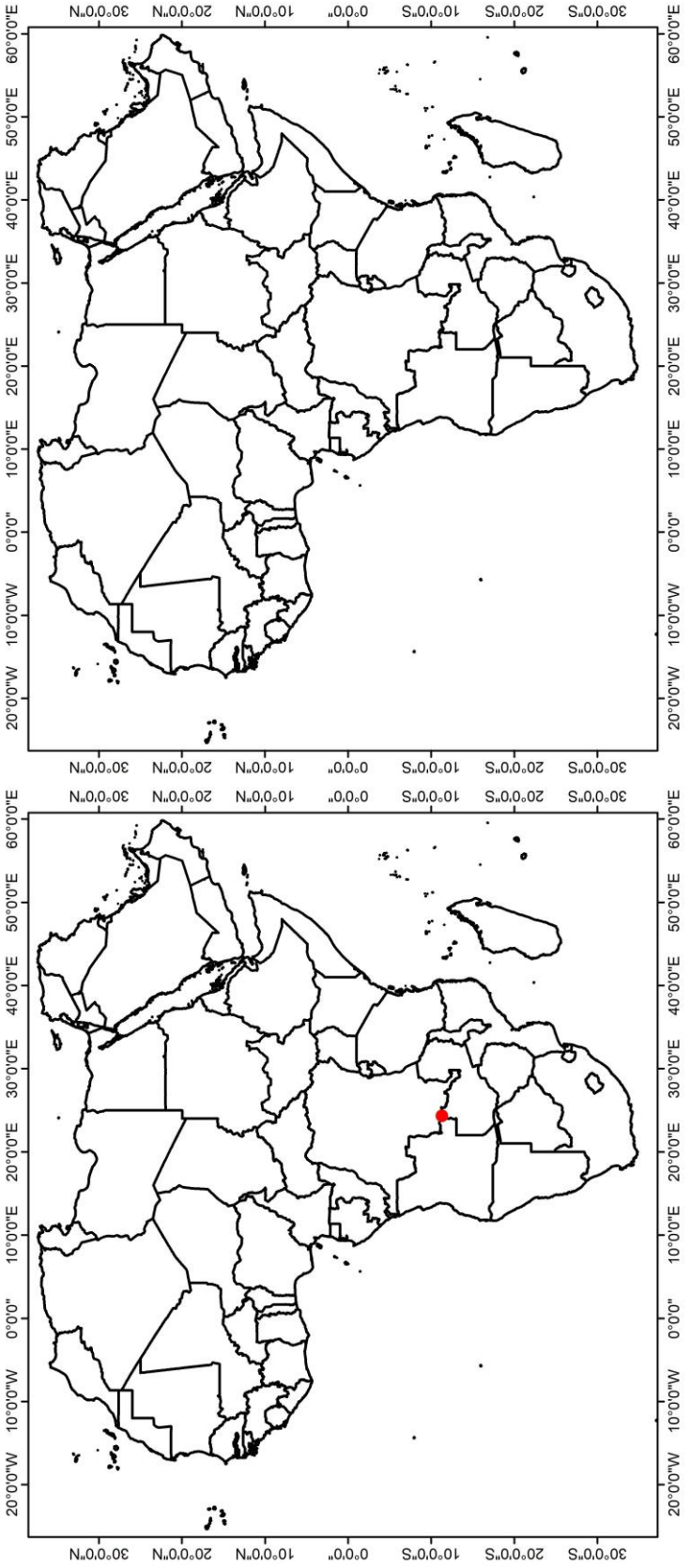

Distribution maps for *Rhinolophus sakejiensis* Cotterill, 2002
(left: all voucher specimens; right: voucher specimens collected since 1998).

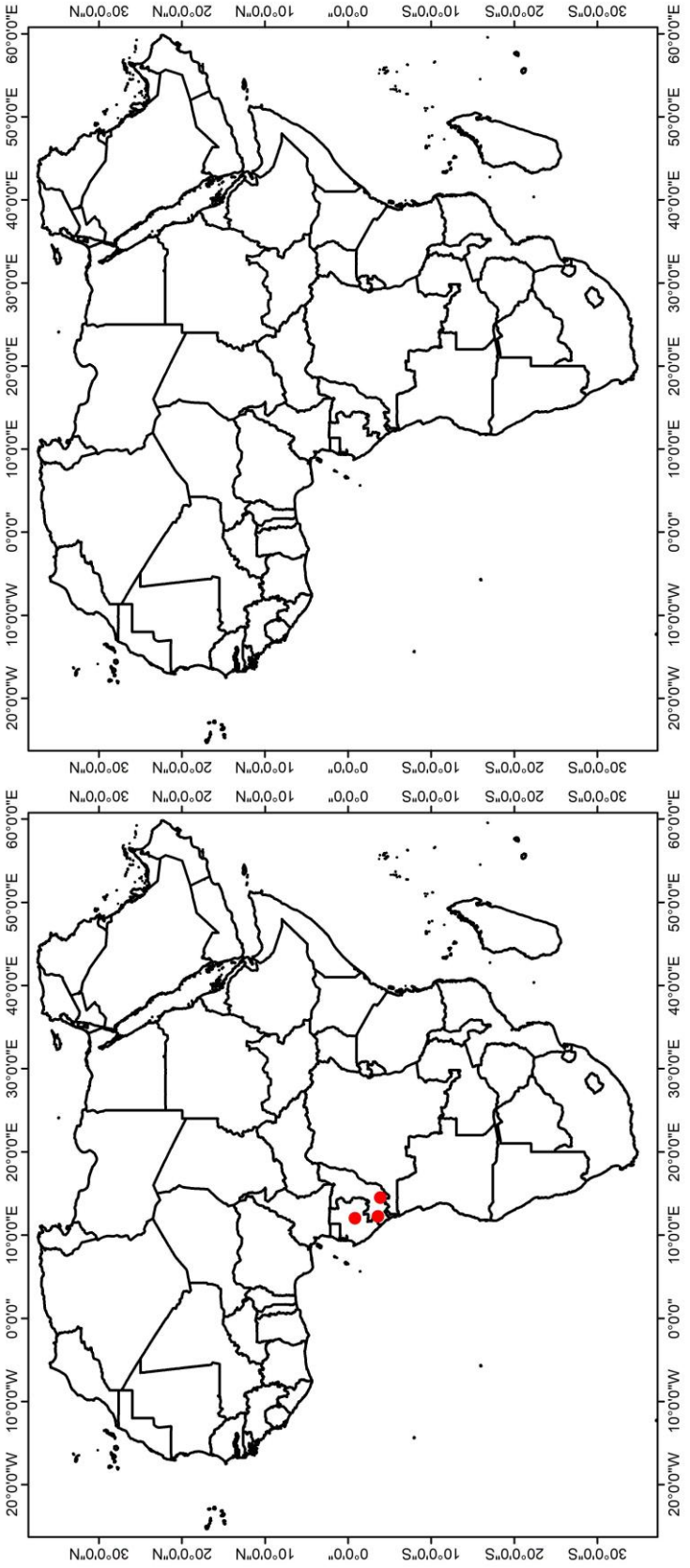

Distribution maps for *Rhinolophus silvestris* Aellen, 1959
(left: all voucher specimens; right: voucher specimens collected since 1998).

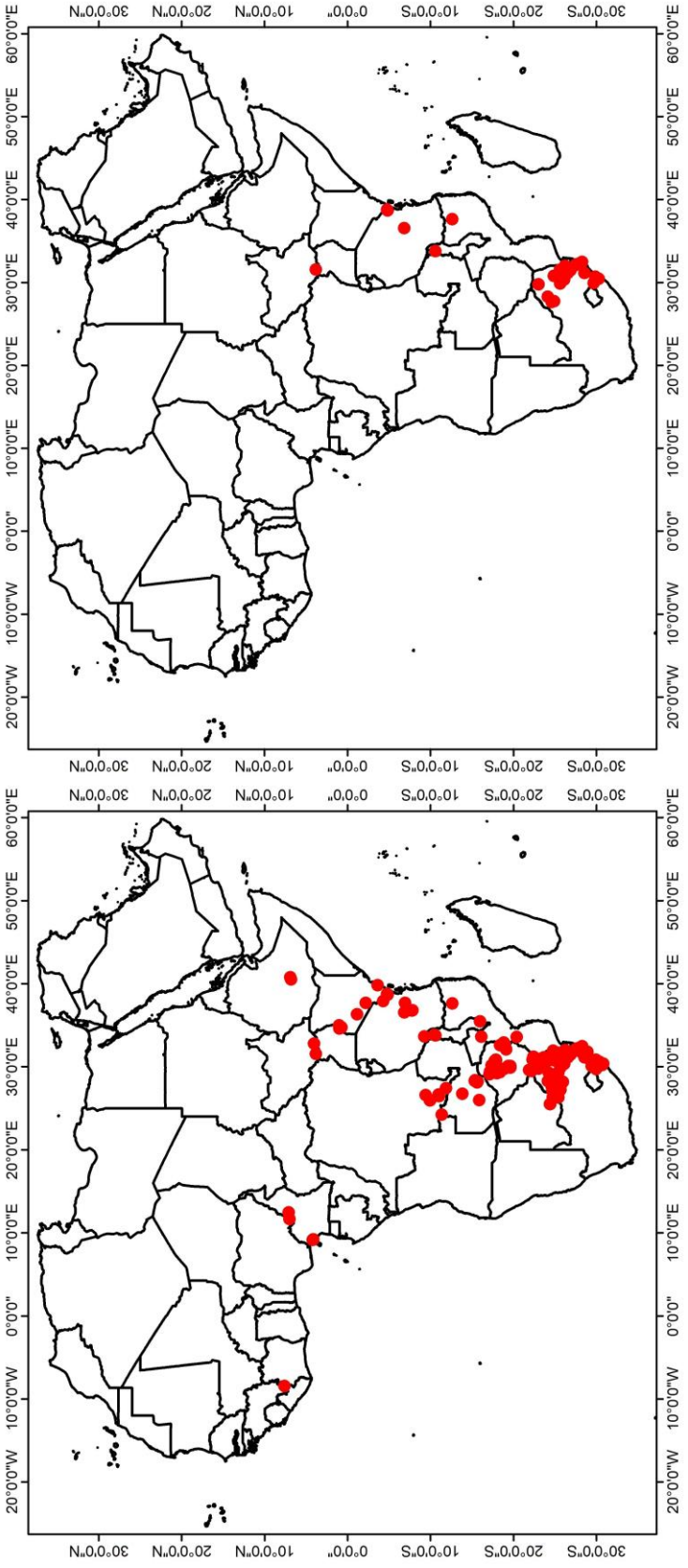

Distribution maps for *Rhinolophus simulator* K. Andersen, 1904
(left: all voucher specimens; right: voucher specimens collected since 1998).

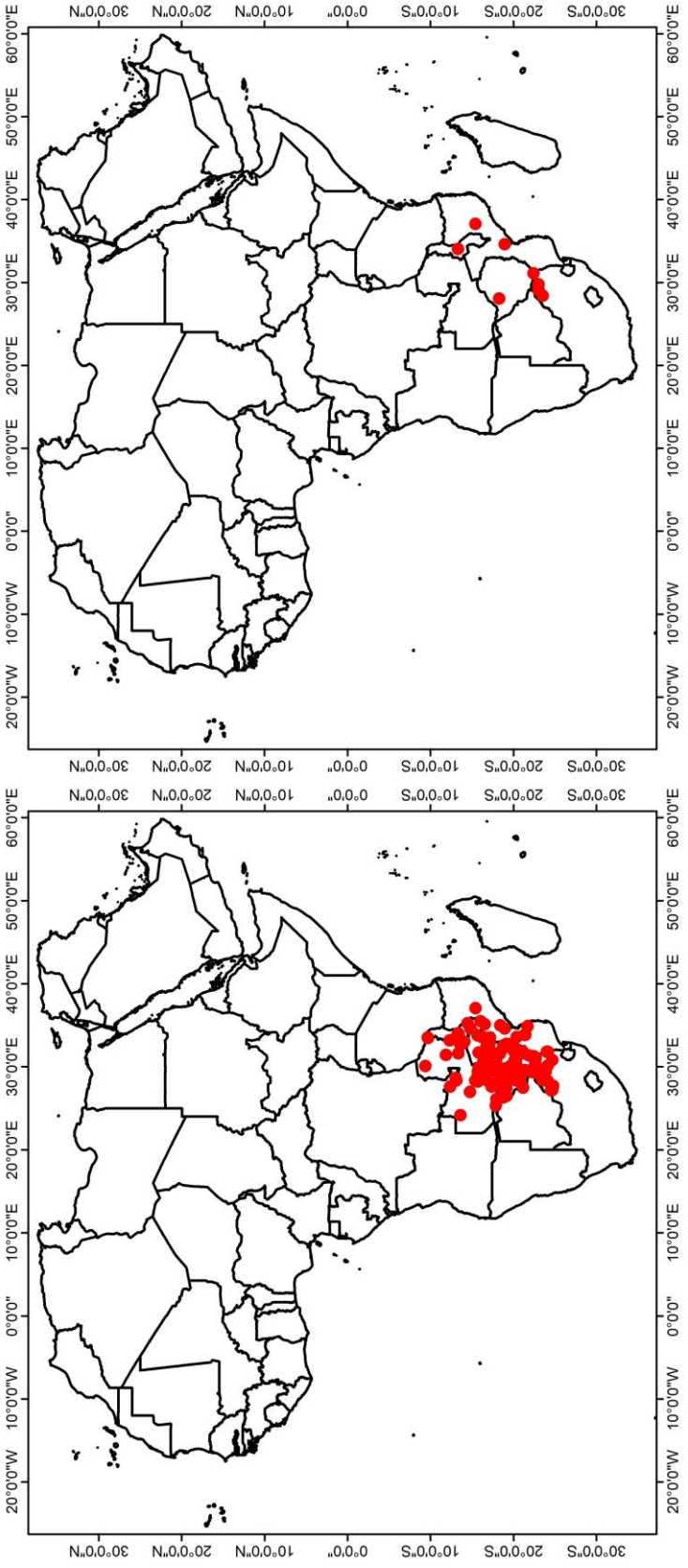

Distribution maps for *Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012 (left: all voucher specimens; right: voucher specimens collected since 1998).

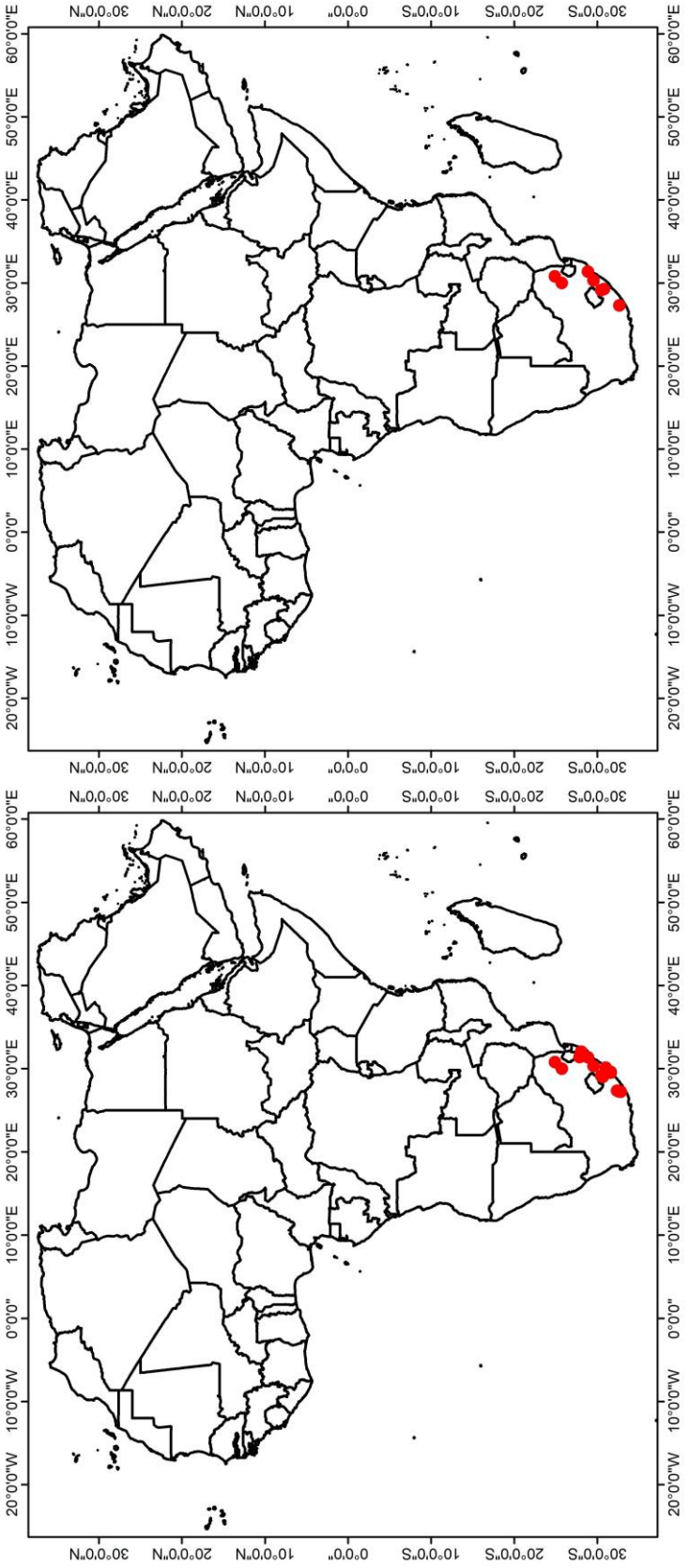

Distribution maps for *Rhinolophus swinnyi* Gough, 1908
(left: all voucher specimens; right: voucher specimens collected since 1998).

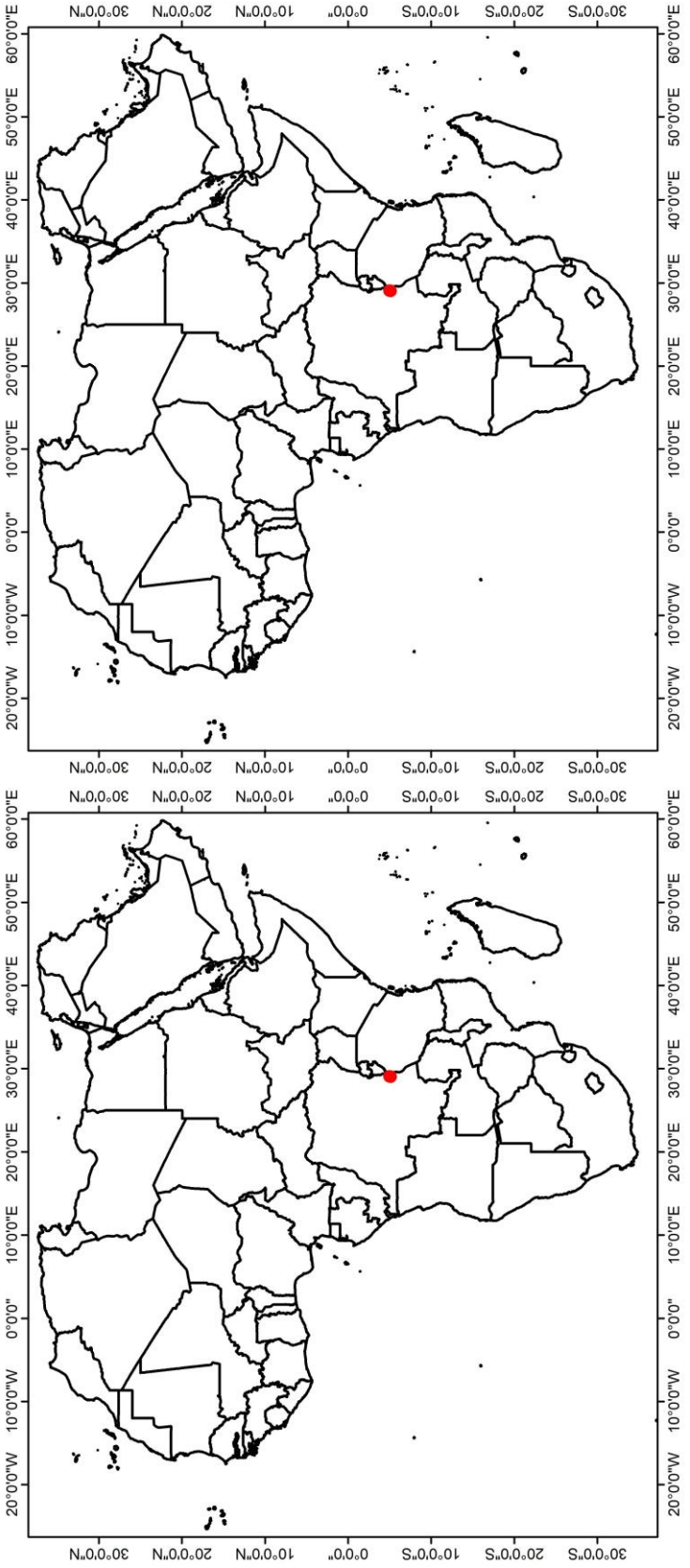

Distribution maps for *Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013
(left: all voucher specimens; right: voucher specimens collected since 1998).

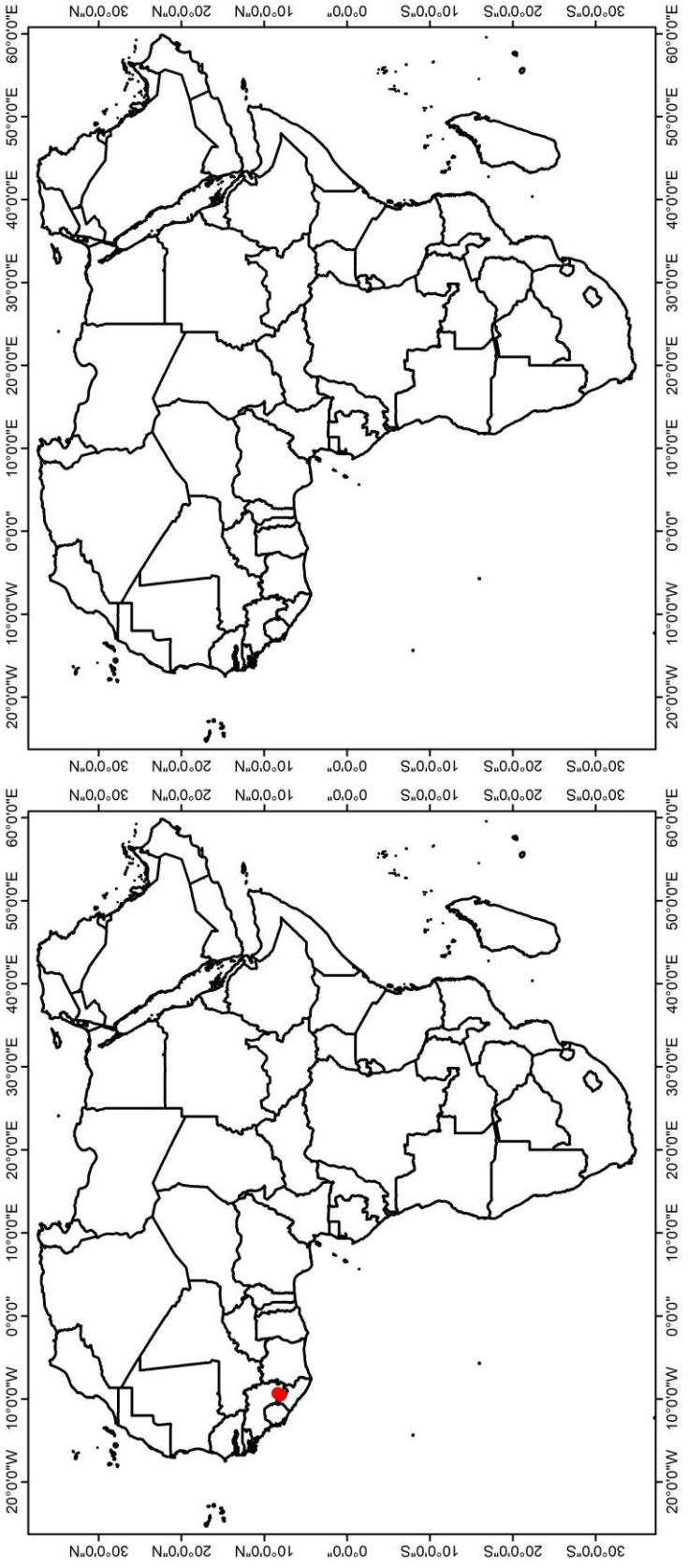

Distribution maps for *Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
(left: all voucher specimens; right: voucher specimens collected since 1998).

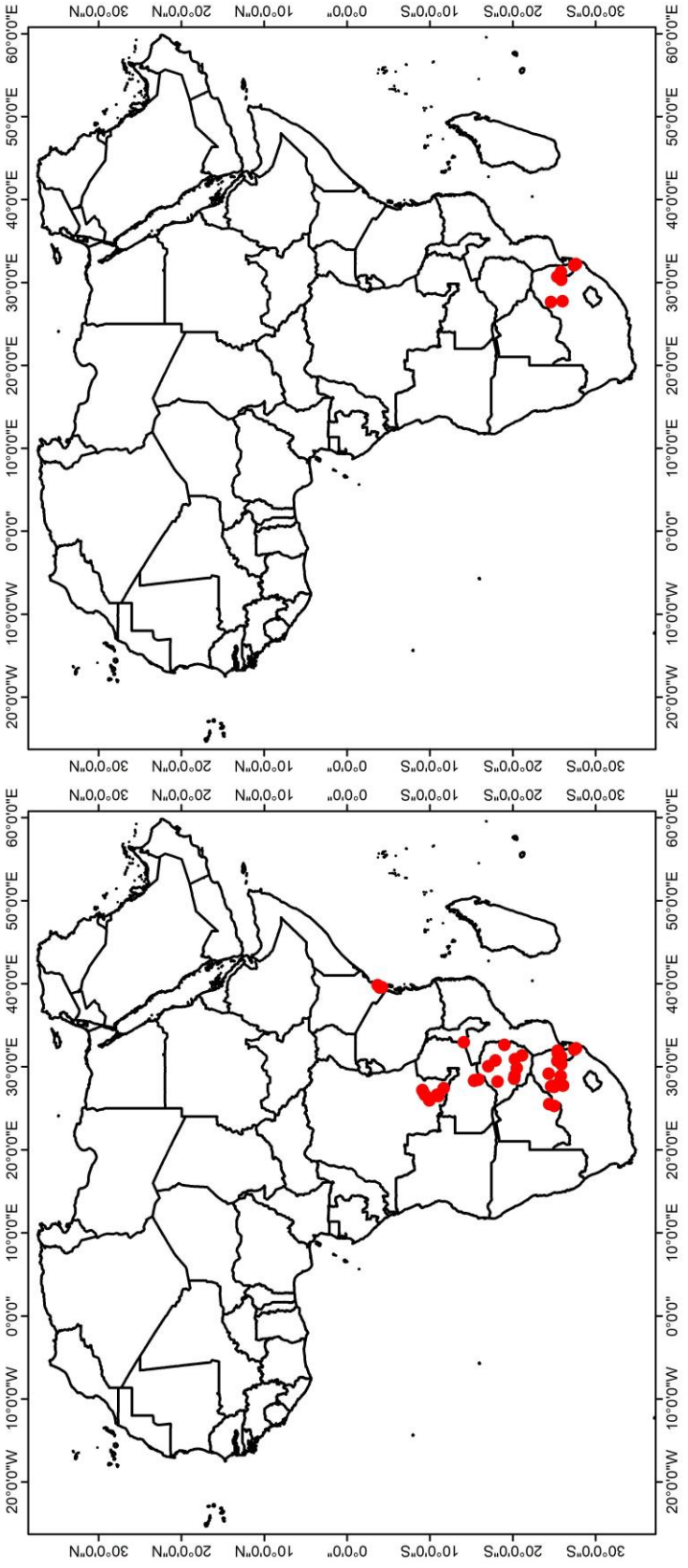

Distribution maps for *Cloeotis percivali* Thomas, 1901
(left: all voucher specimens; right: voucher specimens collected since 1998).

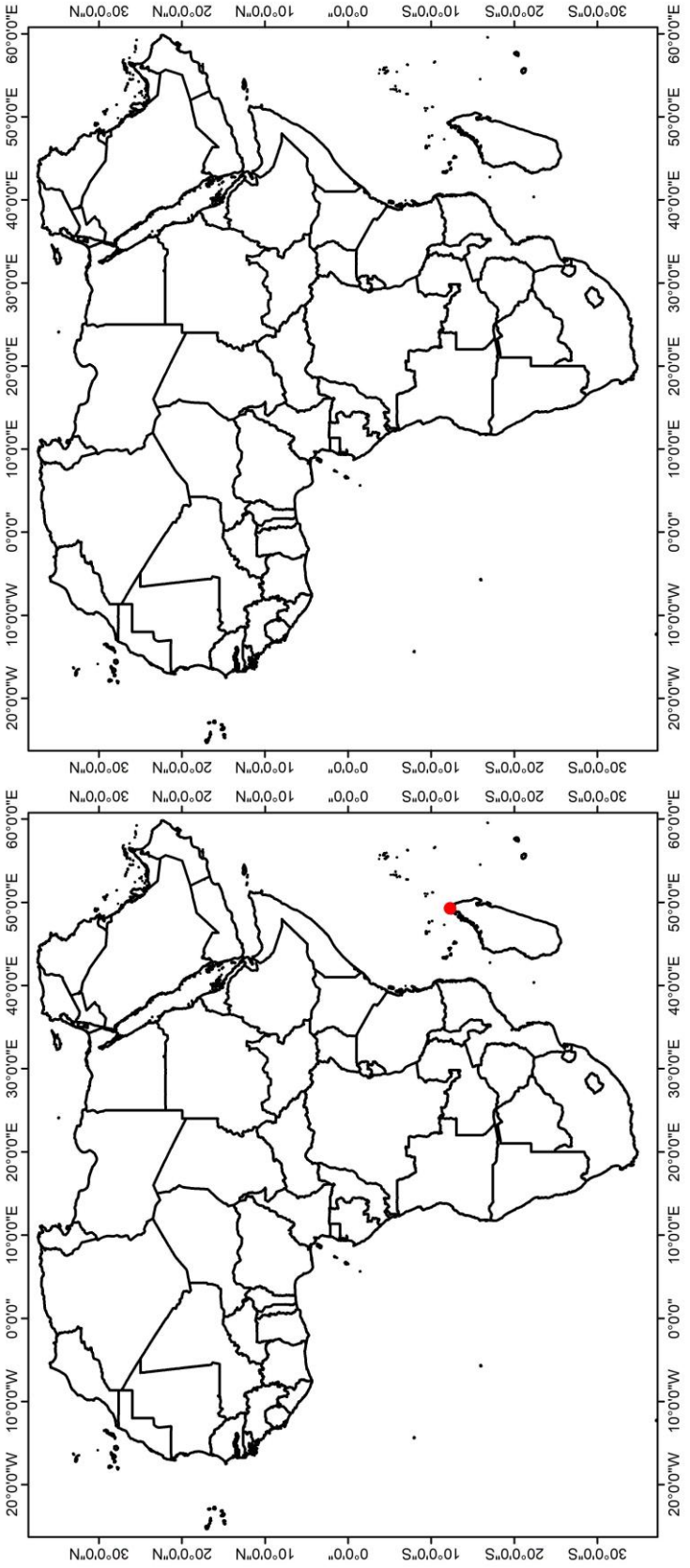

Distribution maps for *Paratriaenops auritus* (G. Grandidier, 1912)
(left: all voucher specimens; right: voucher specimens collected since 1998).

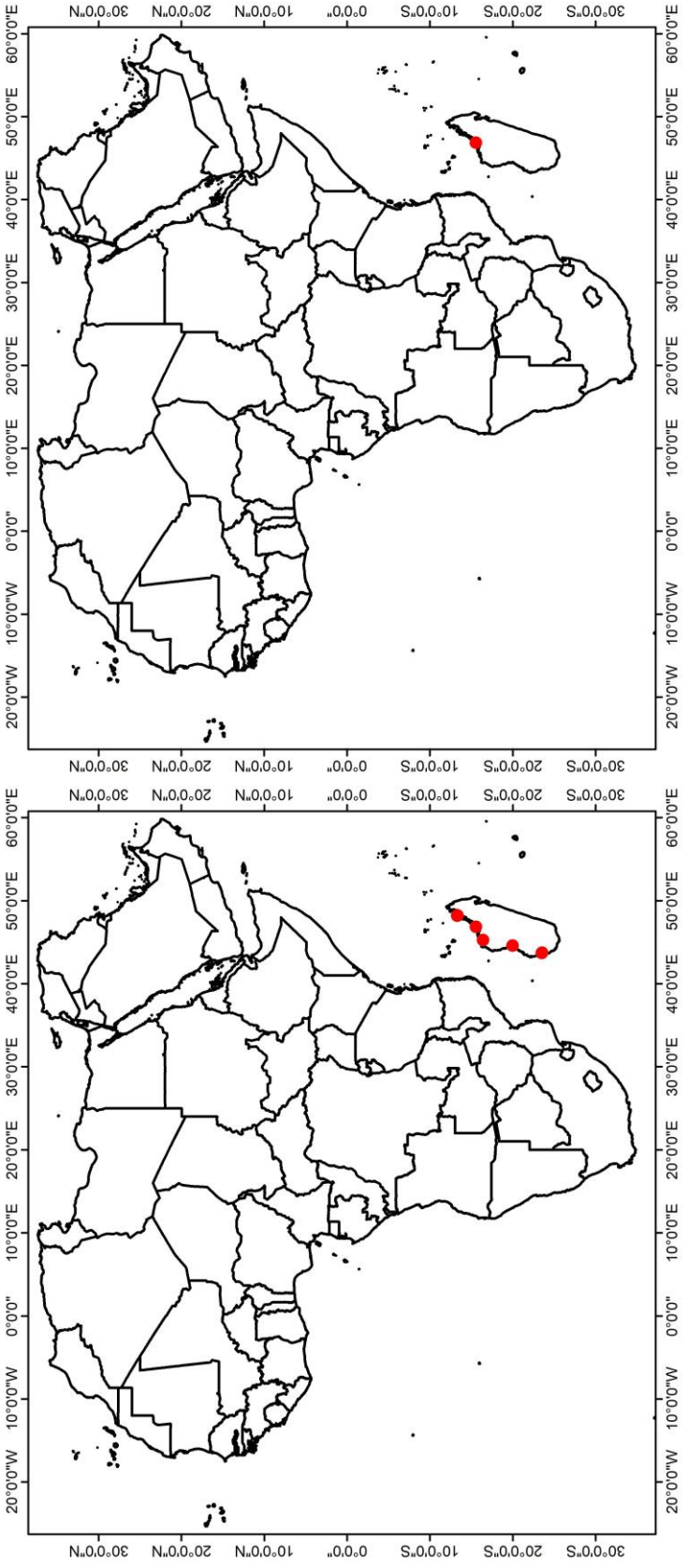

Distribution maps for *Paratriaenops furculus* (Trouessart, 1907)
(left: all voucher specimens; right: voucher specimens collected since 1998).

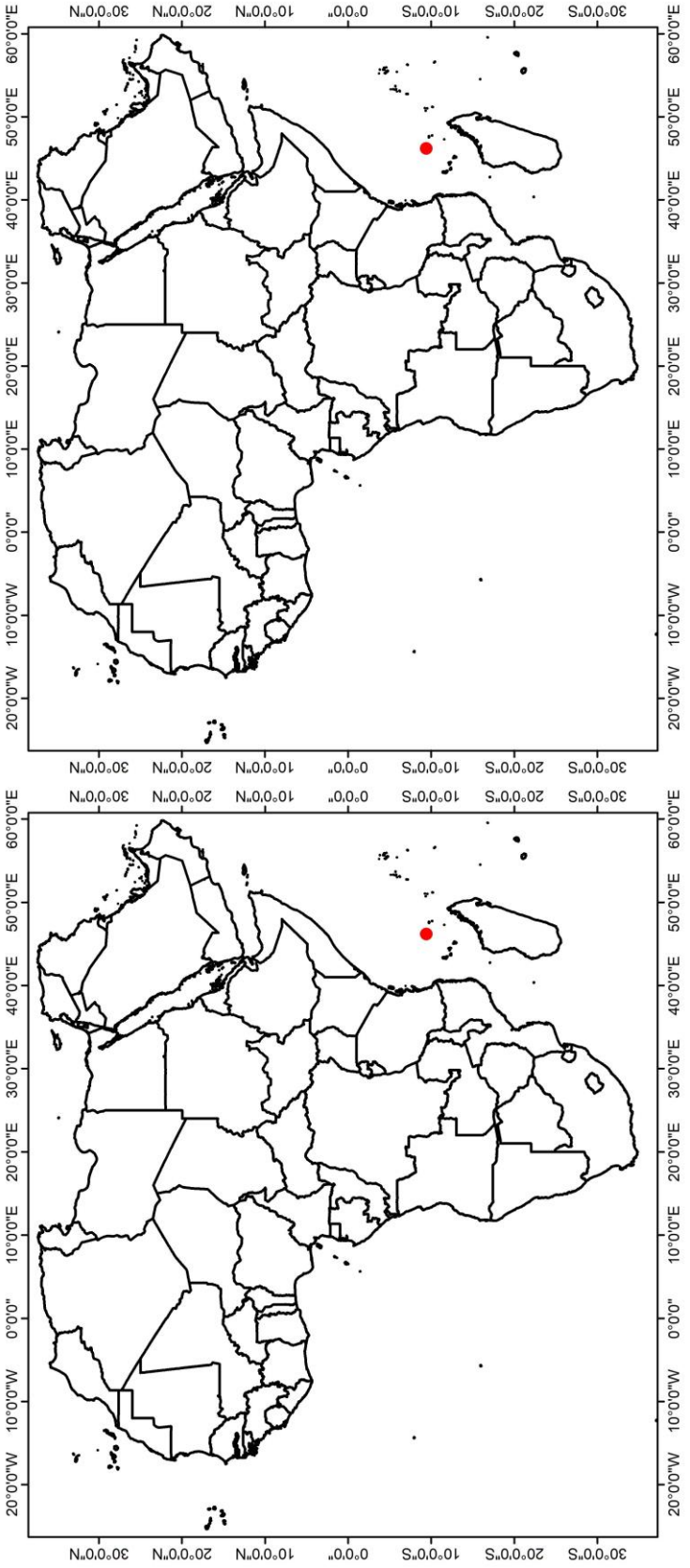

Distribution maps for *Paratriaenops pauliani* (Goodman and Ranivo, 2008)
(left: all voucher specimens; right: voucher specimens collected since 1998).

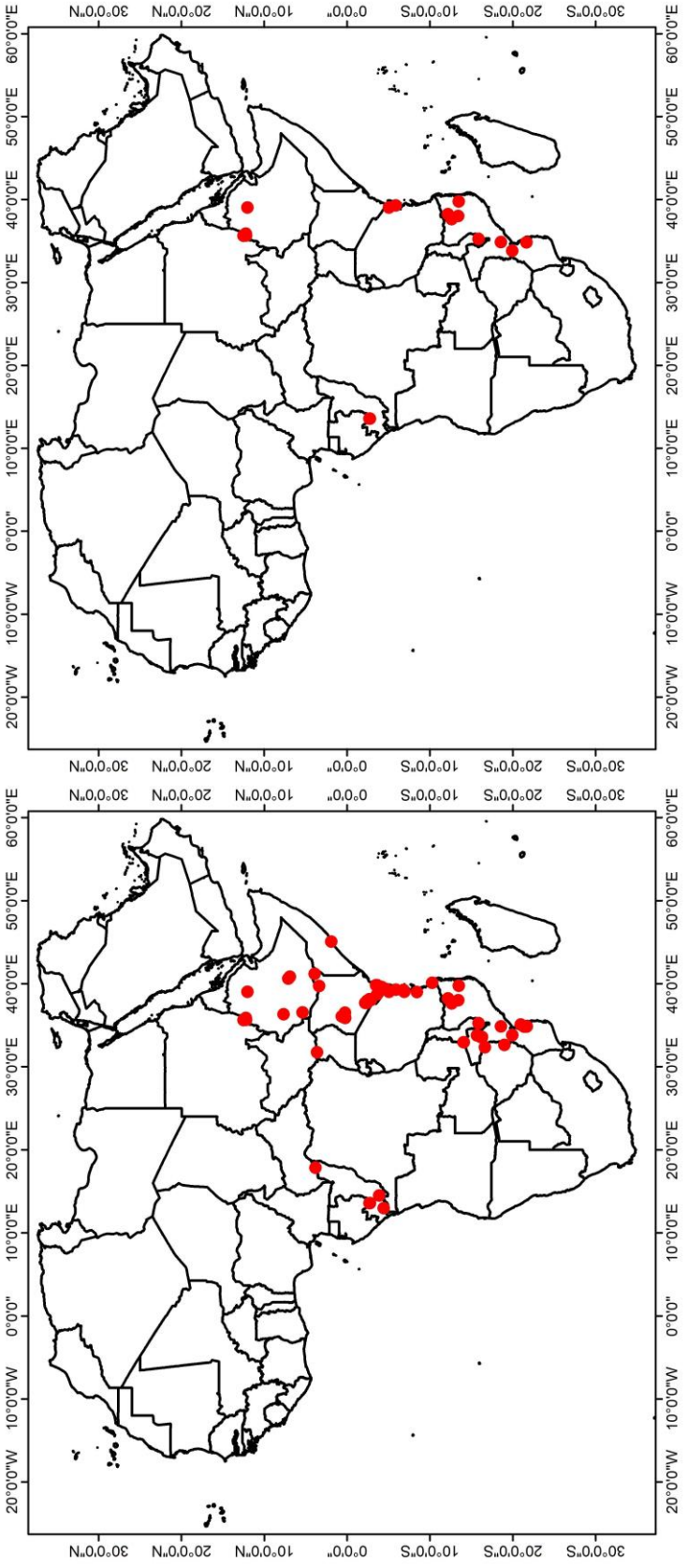

Distribution maps for *Triaenops afer* Peters, 1877
(left: all voucher specimens; right: voucher specimens collected since 1998).

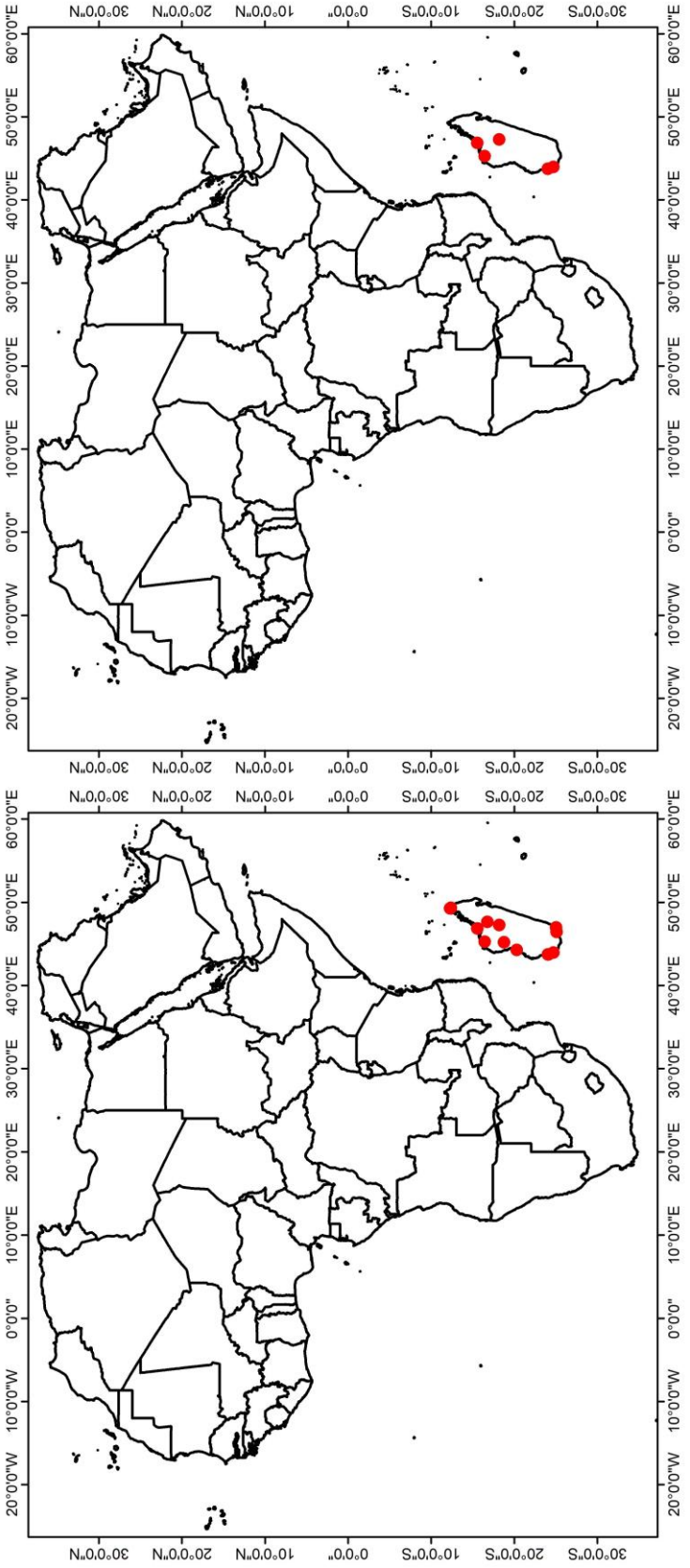

Distribution maps for *Triaenops menamena* Goodman and Ranivo, 2009
(left: all voucher specimens; right: voucher specimens collected since 1998).

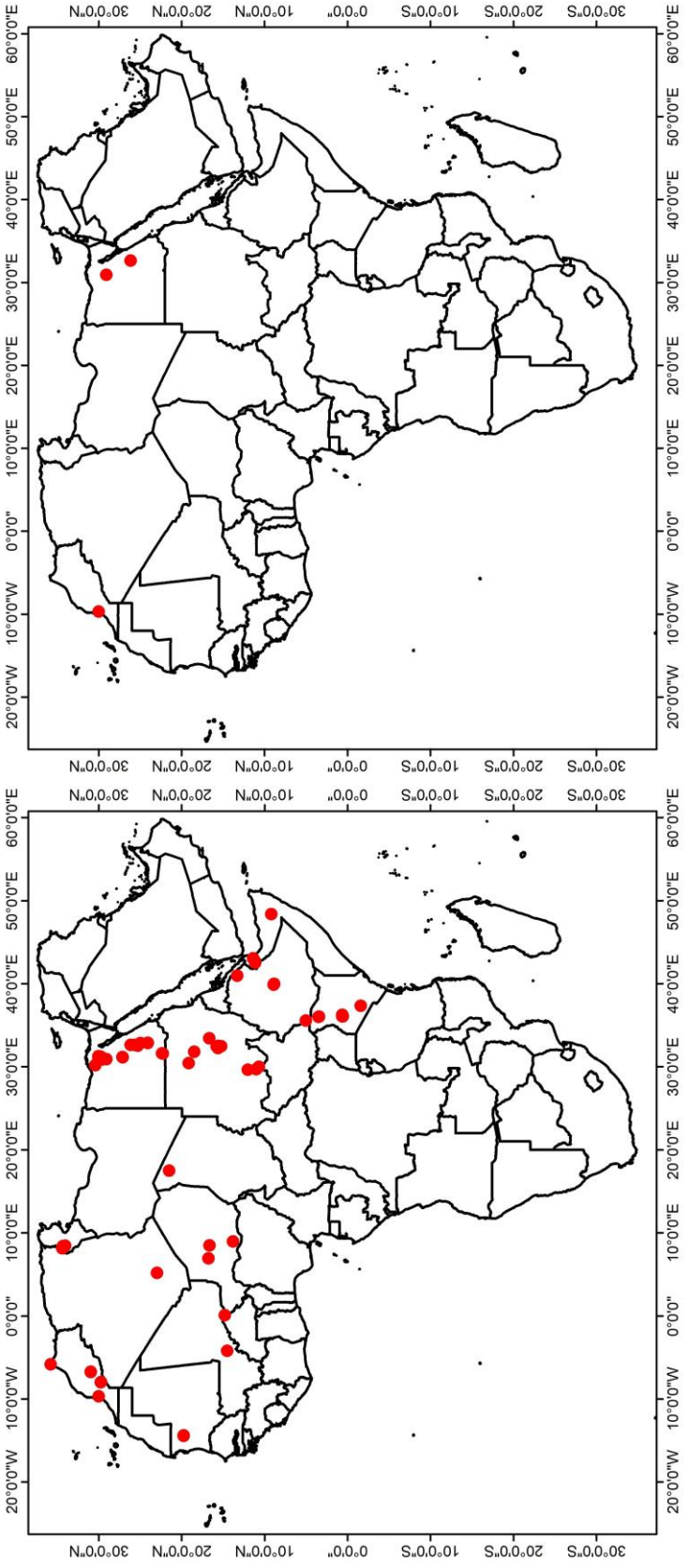

Distribution maps for *Rhinopoma cystops* Thomas, 1903
(left: all voucher specimens; right: voucher specimens collected since 1998).

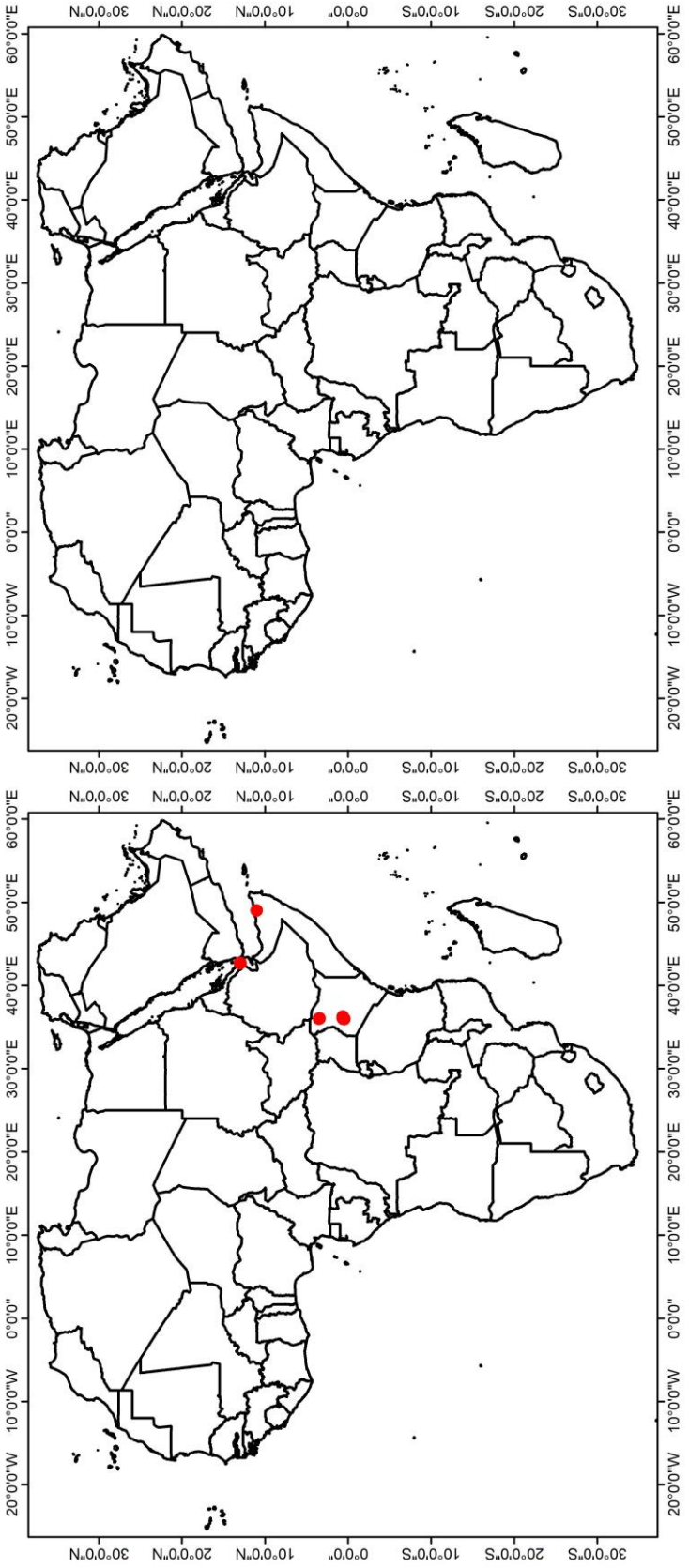

Distribution maps for *Rhinopoma macinnesi* Hayman, 1937
(left: all voucher specimens; right: voucher specimens collected since 1998).

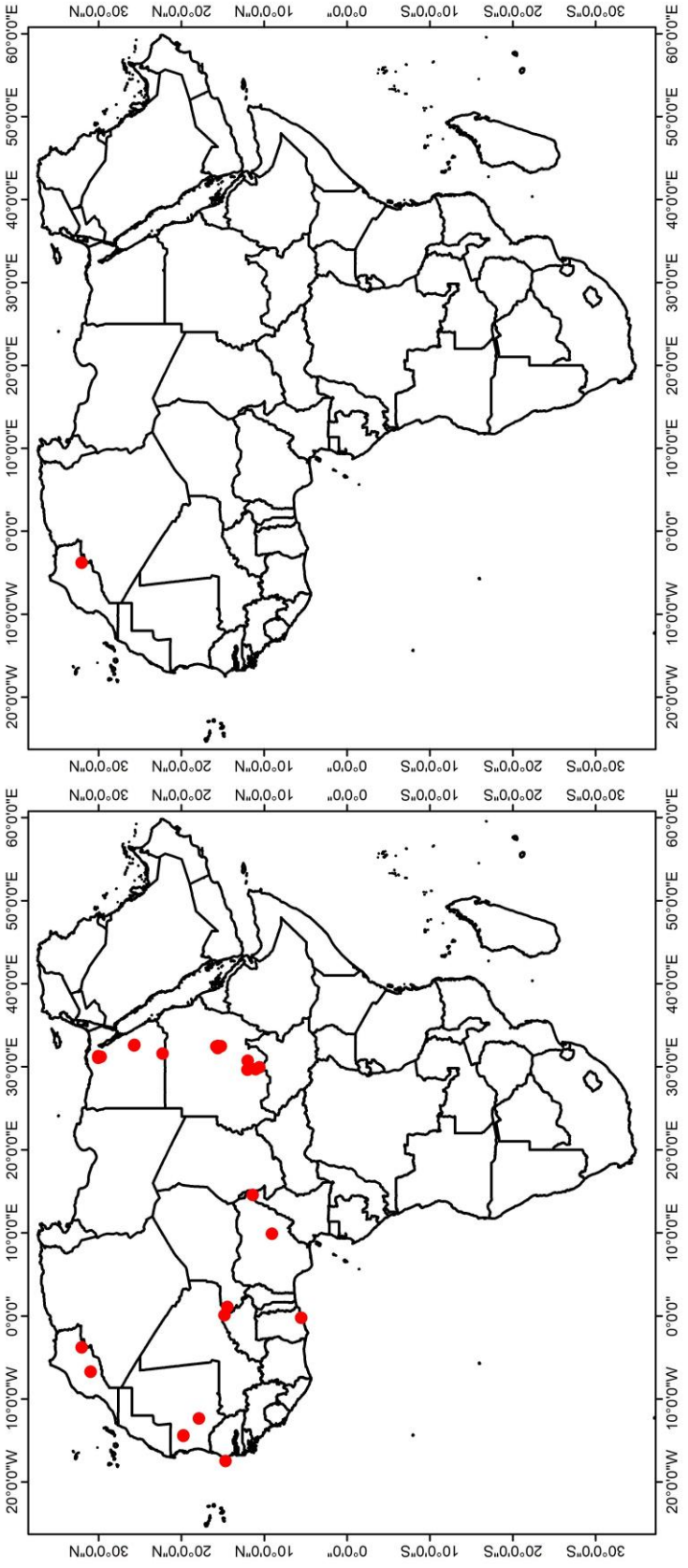

Distribution maps for *Rhinopoma microphyllum* (Brünnich, 1782)
(left: all voucher specimens; right: voucher specimens collected since 1998).

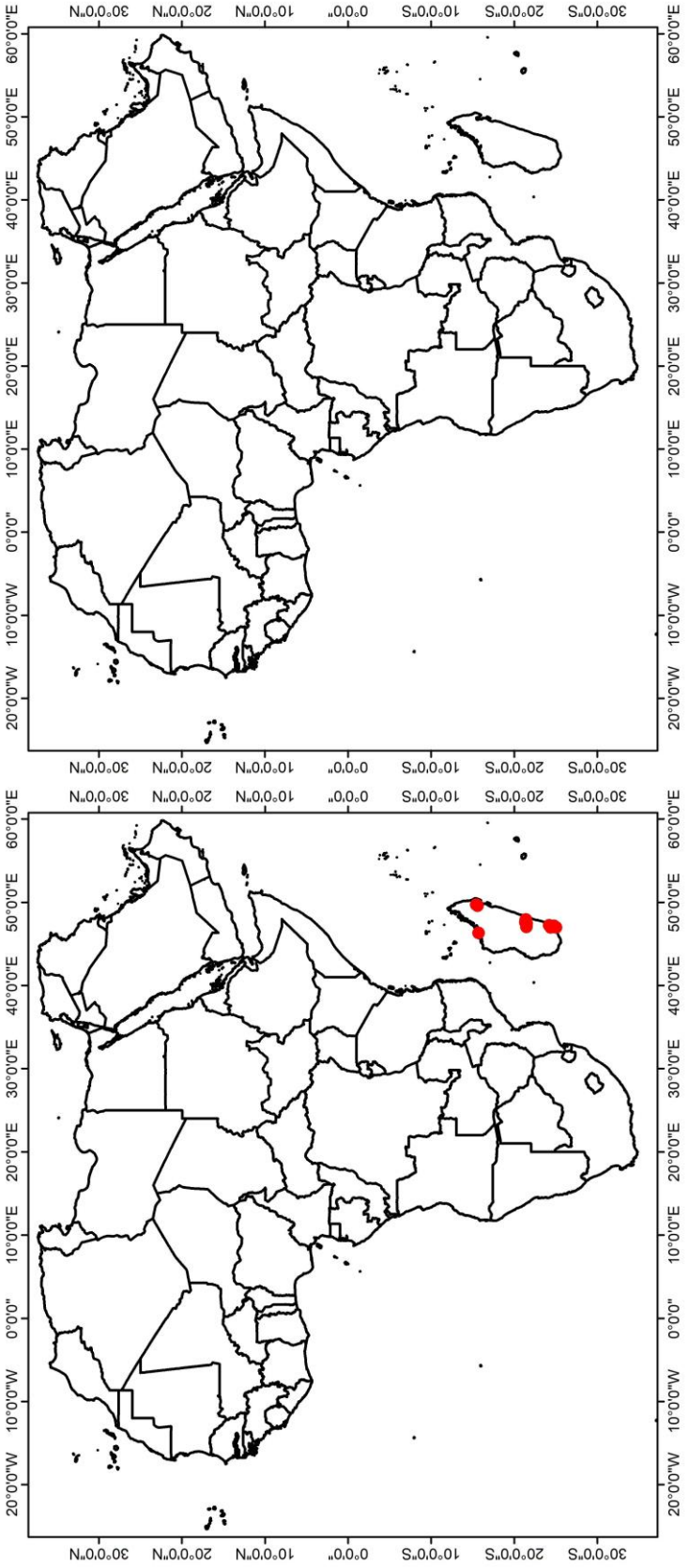

Distribution maps for *Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
(left: all voucher specimens; right: voucher specimens collected since 1998).

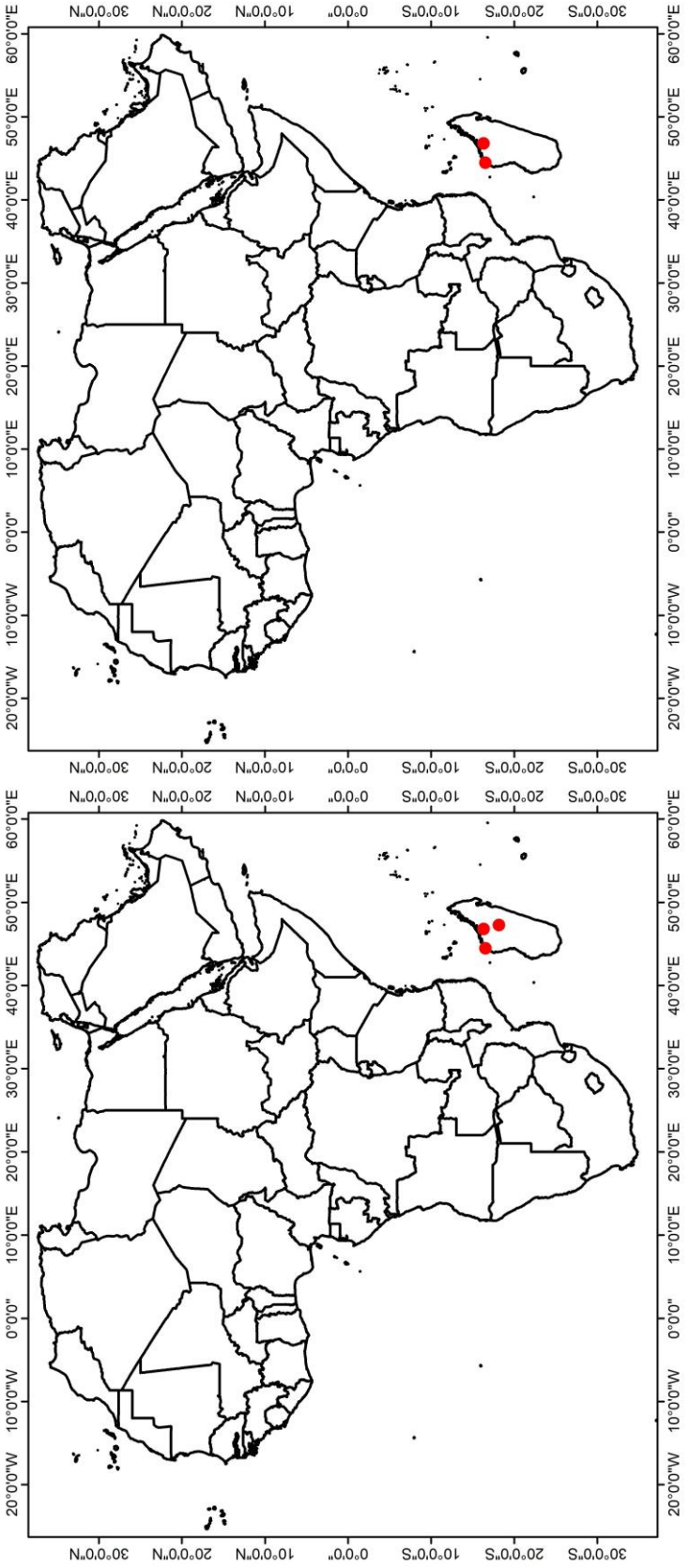

Distribution maps for *Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007 (left: all voucher specimens; right: voucher specimens collected since 1998).

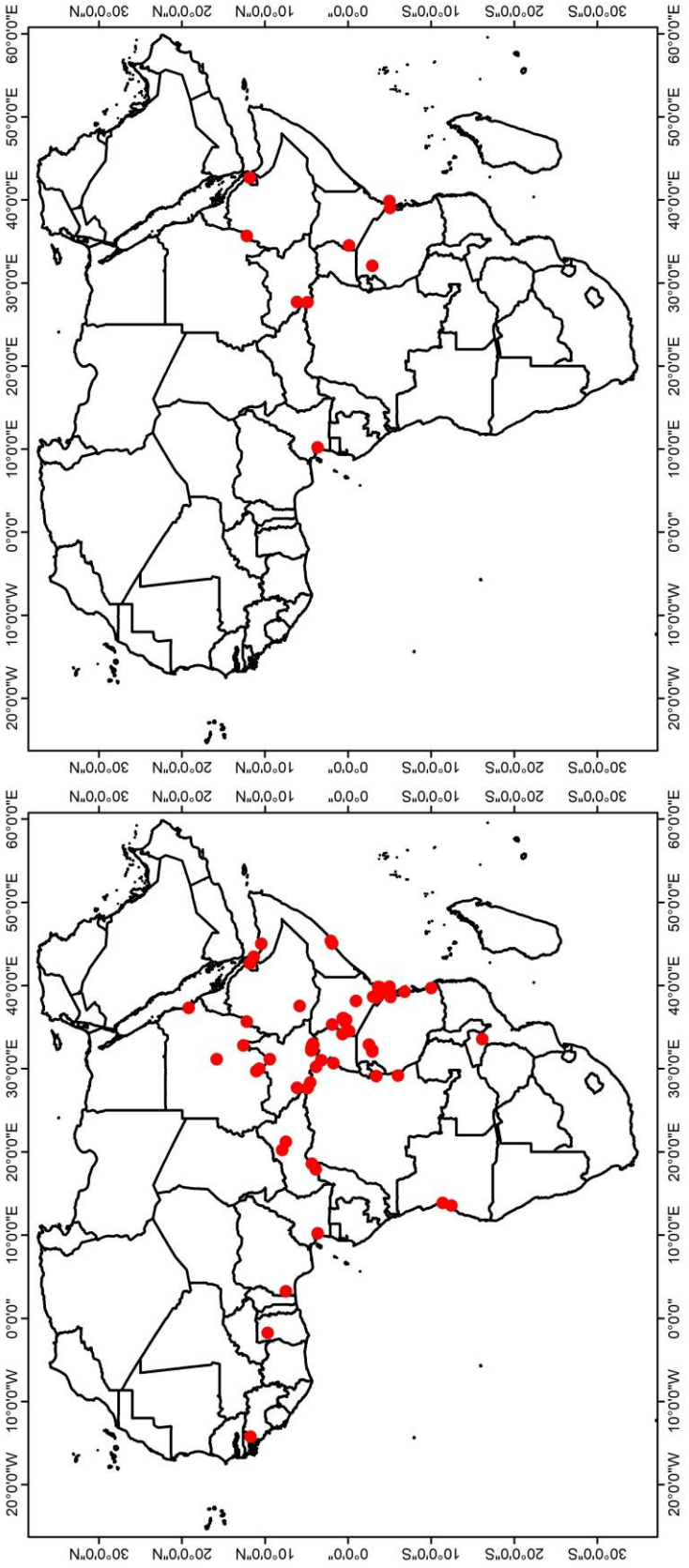

Distribution maps for *Coleura afra* (Peters, 1852)
(left: all voucher specimens; right: voucher specimens collected since 1998).

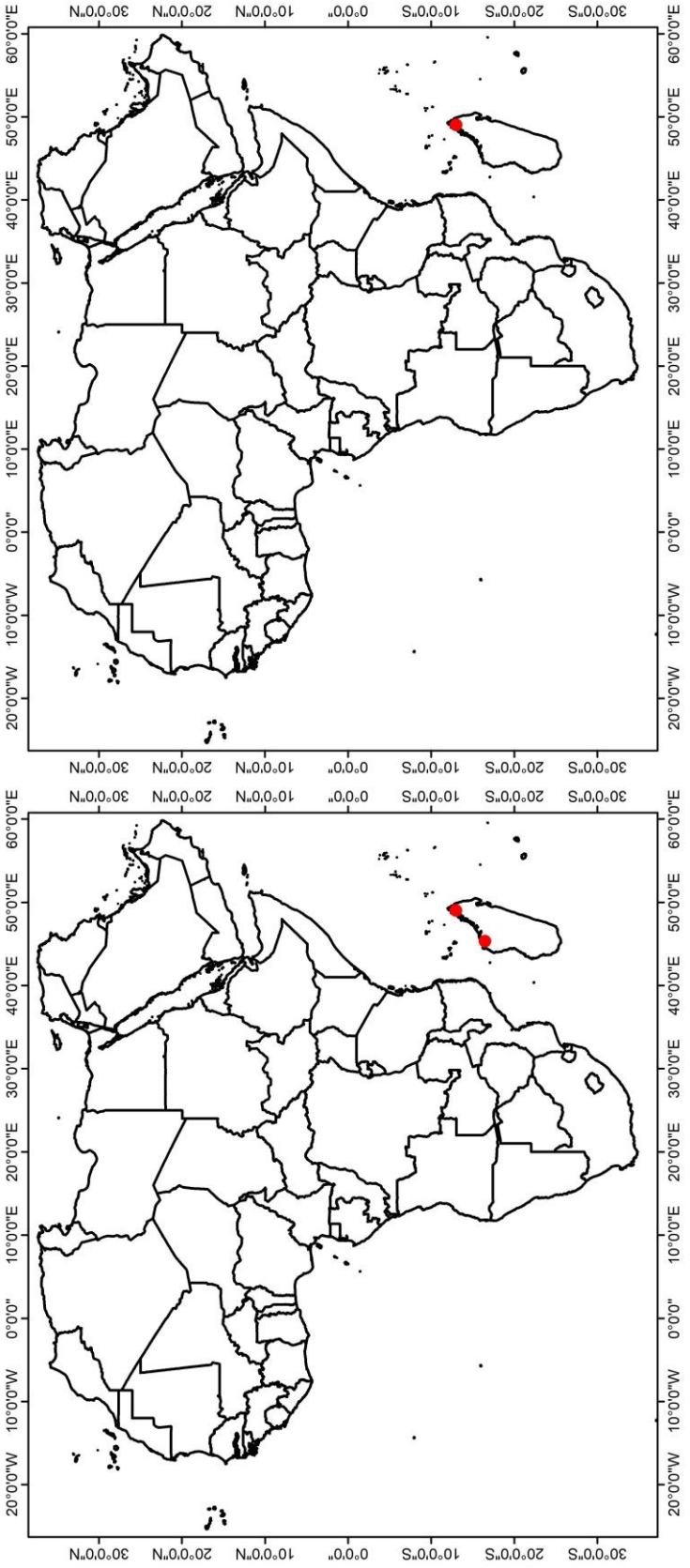

Distribution maps for *Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012 (left: all voucher specimens; right: voucher specimens collected since 1998).

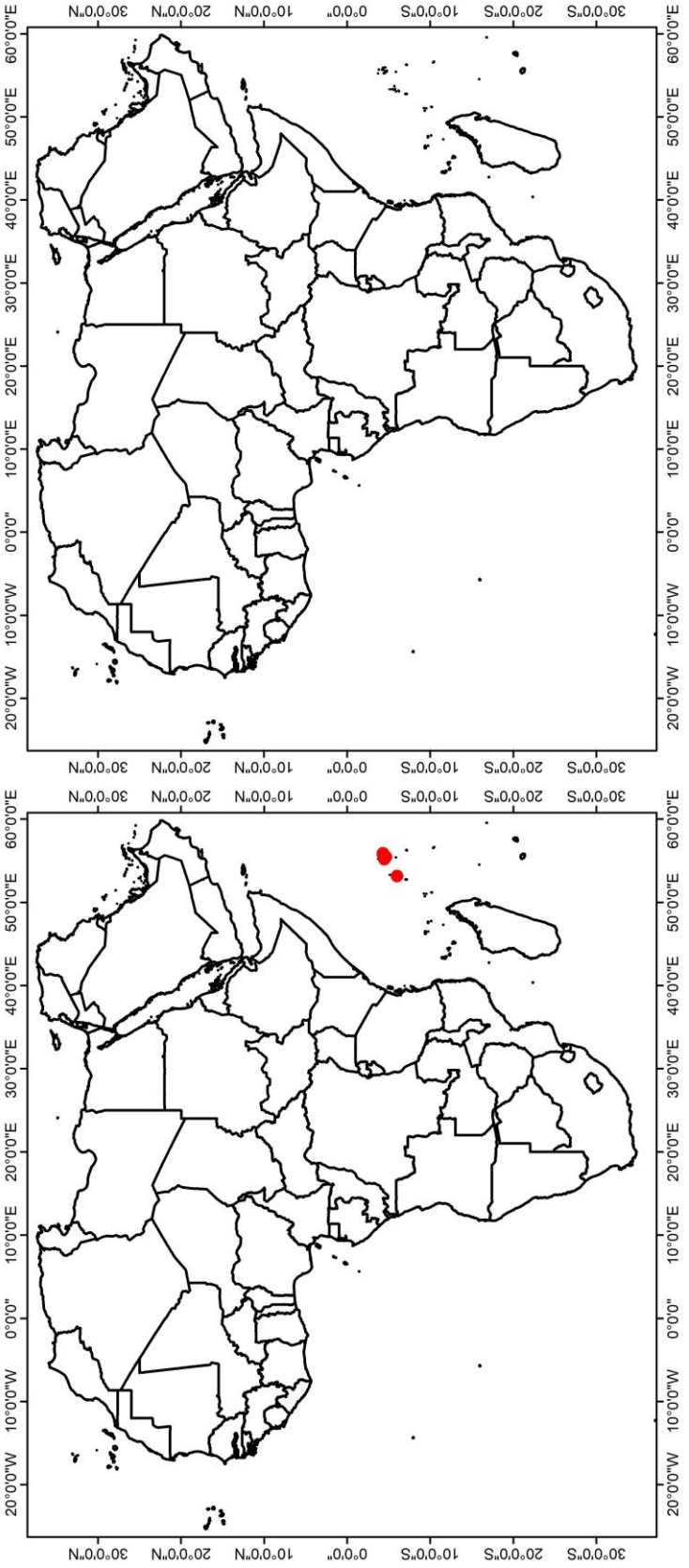

Distribution maps for *Coleura seychellensis* Peters, 1868
(left: all voucher specimens; right: voucher specimens collected since 1998).

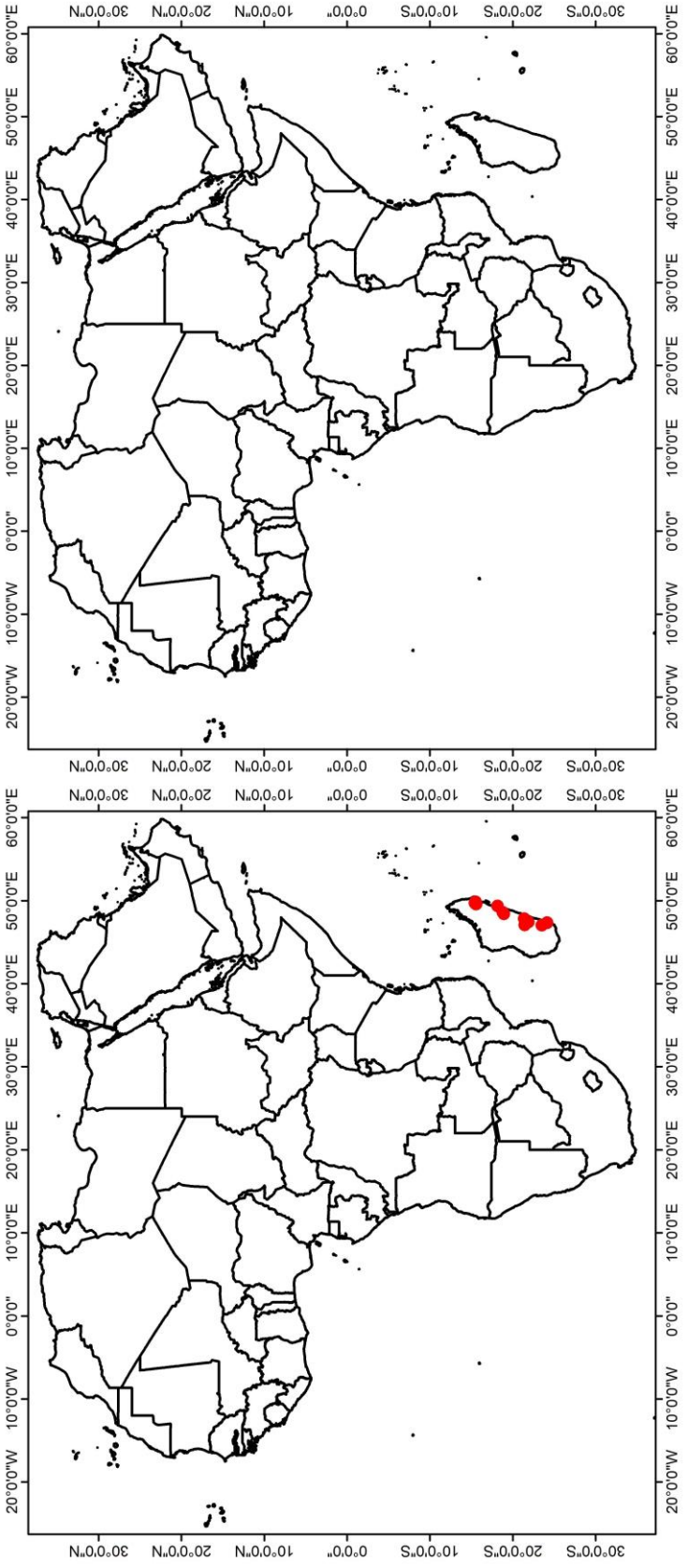

Distribution maps for *Paremballonura atrata* (Peters, 1874)
(left: all voucher specimens; right: voucher specimens collected since 1998).

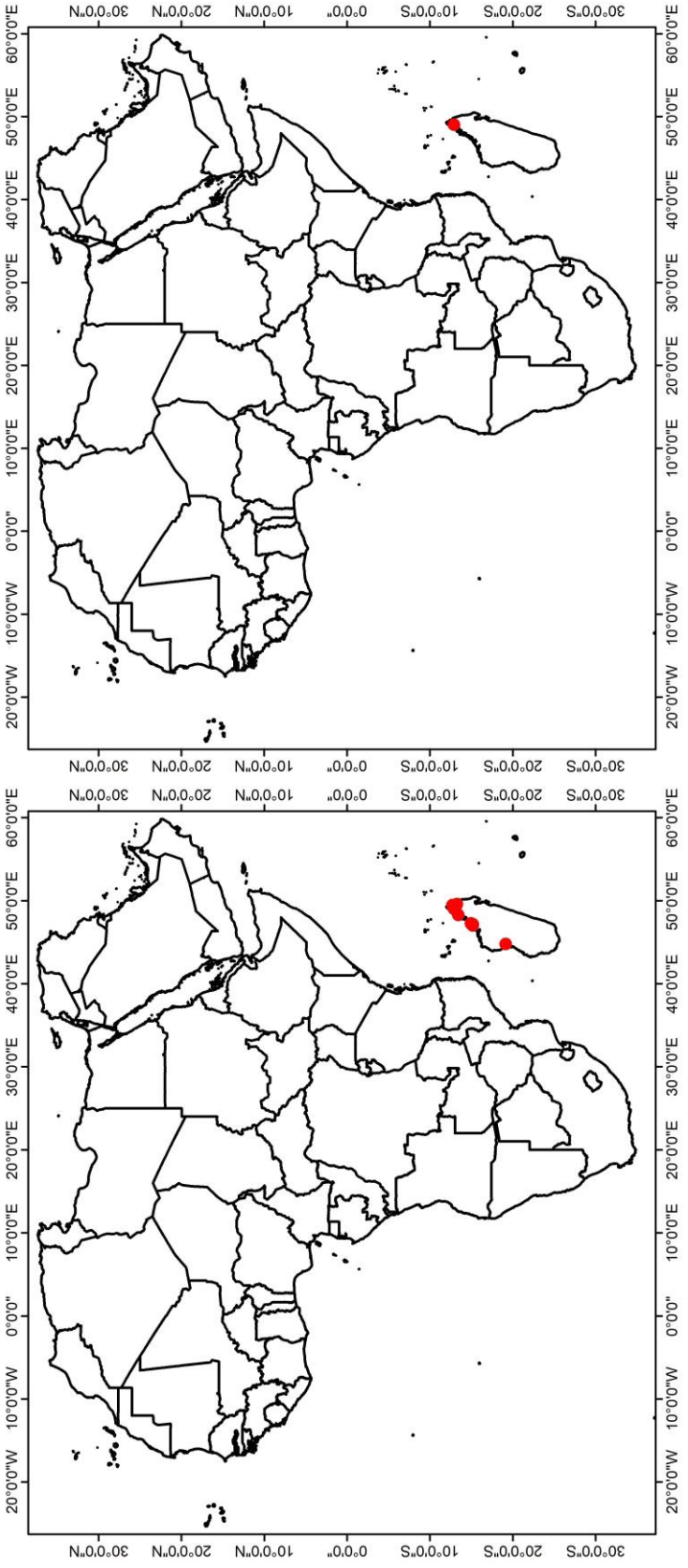

Distribution maps for *Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006) (left: all voucher specimens; right: voucher specimens collected since 1998).

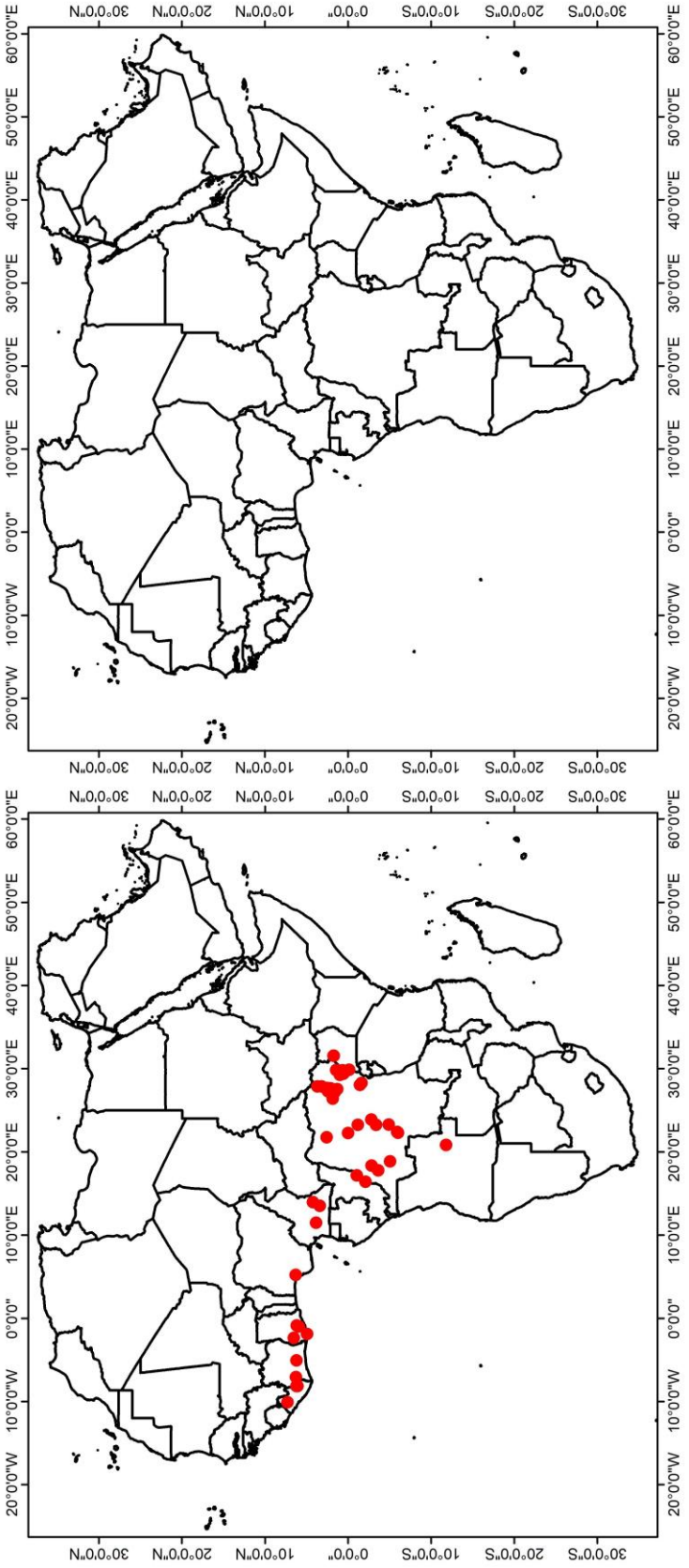

Distribution maps for *Saccolaimus peli* (Temminck, 1853)
(left: all voucher specimens; right: voucher specimens collected since 1998).

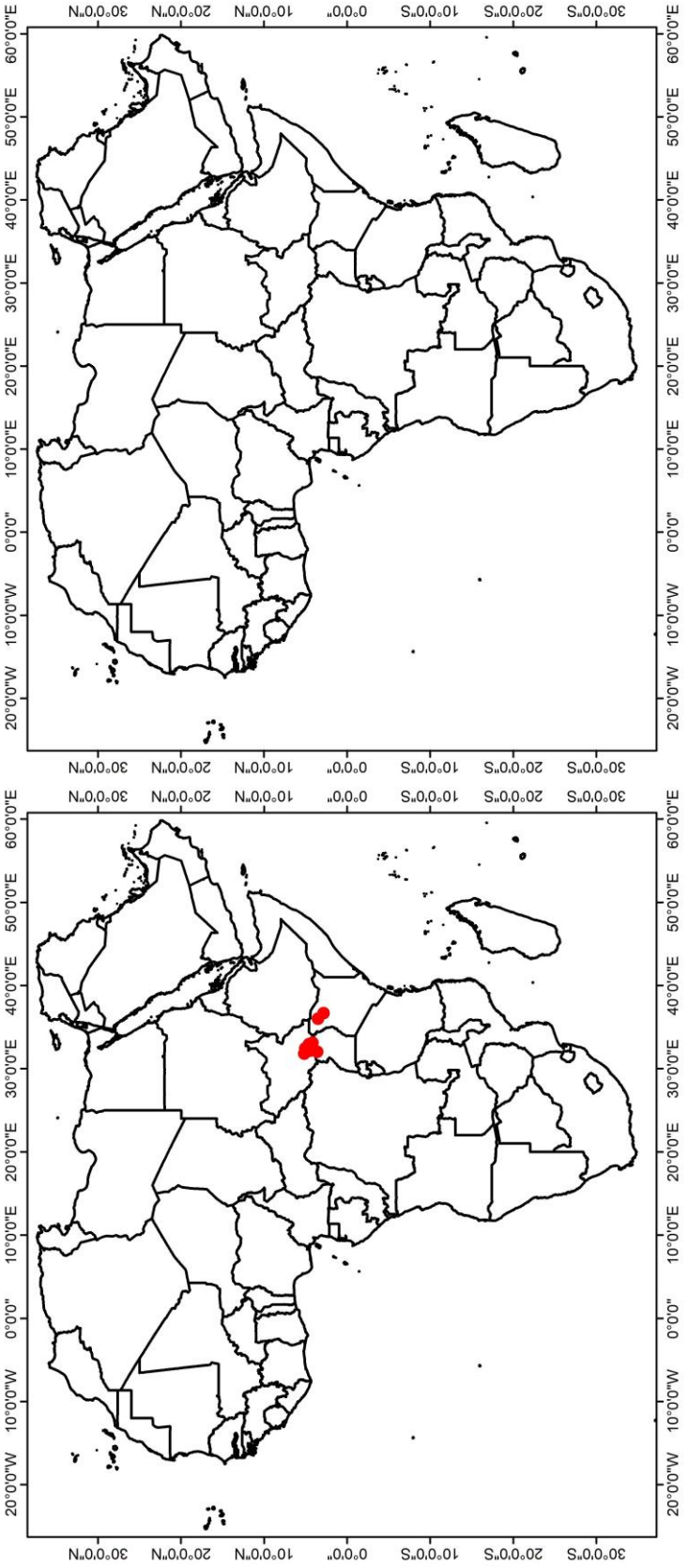

Distribution maps for *Taphozous hamiltoni* Thomas, 1920
(left: all voucher specimens; right: voucher specimens collected since 1998).

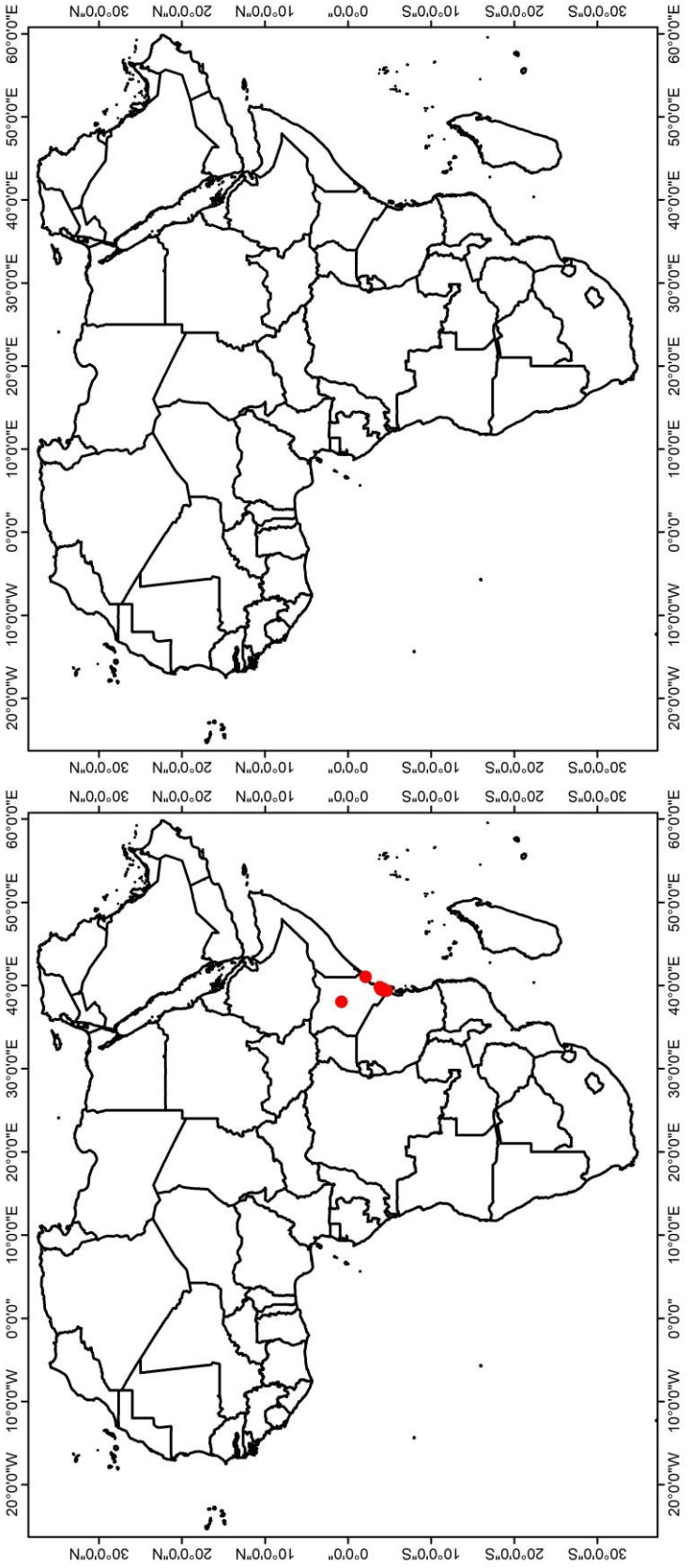

Distribution maps for *Taphozous hildegardeae* Thomas, 1909
(left: all voucher specimens; right: voucher specimens collected since 1998).

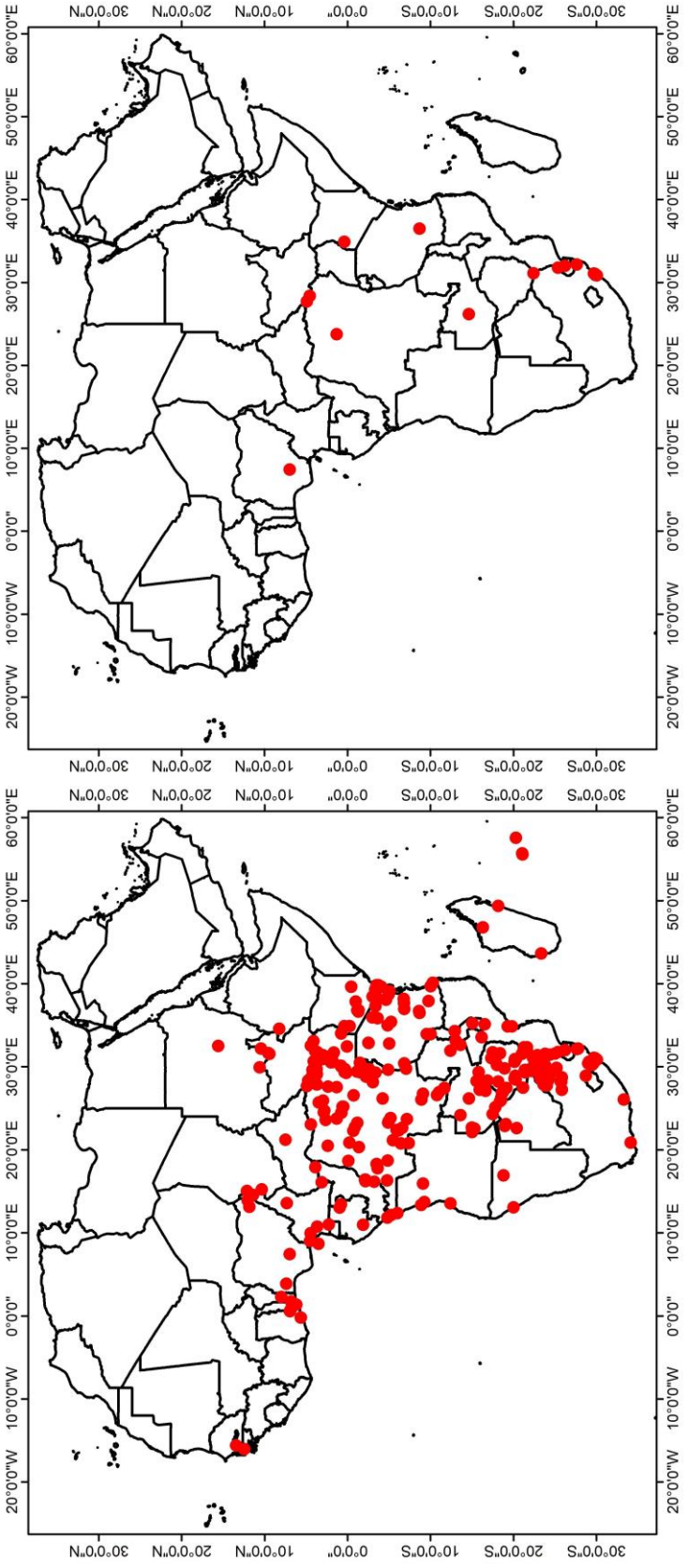

Distribution maps for *Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
(left: all voucher specimens; right: voucher specimens collected since 1998).

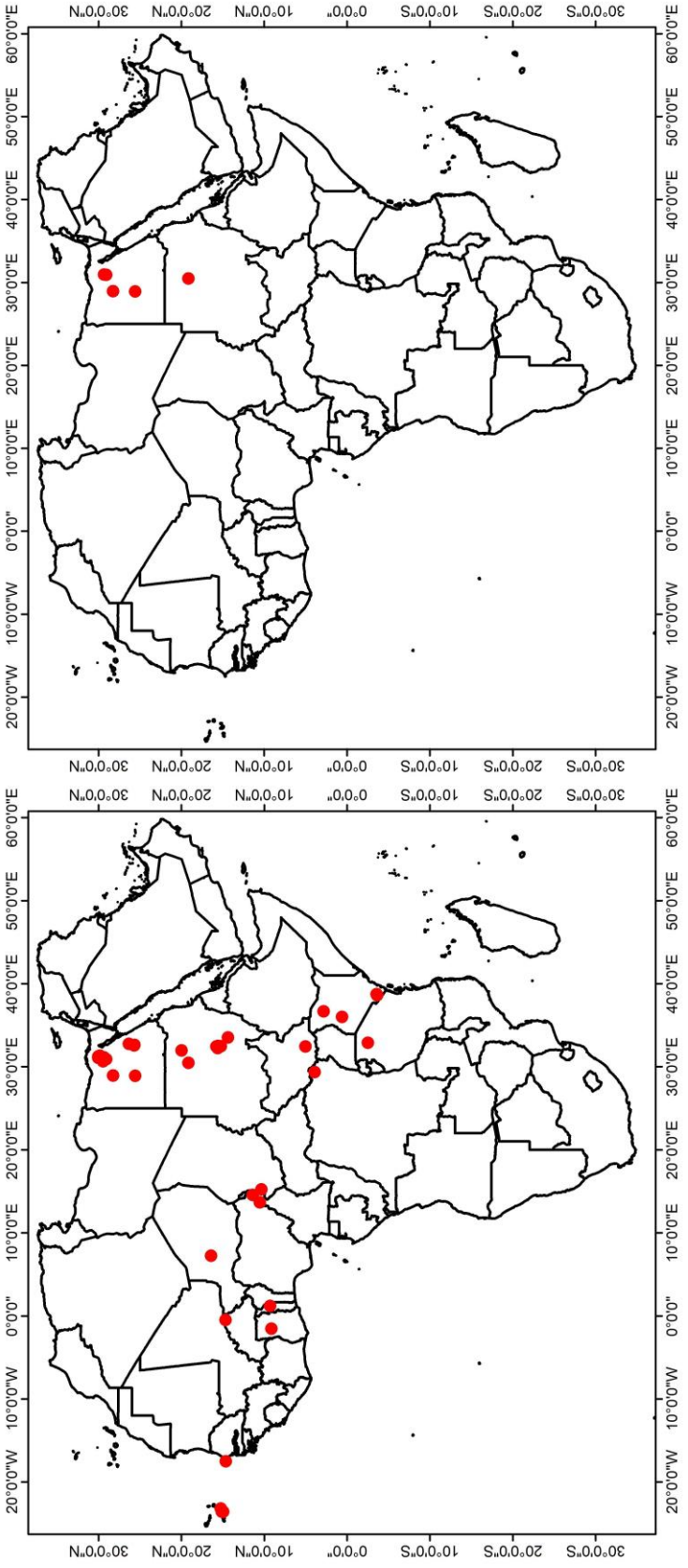

Distribution maps for *Taphozous nudiventris* Cretzschmar, 1830
(left: all voucher specimens; right: voucher specimens collected since 1998).

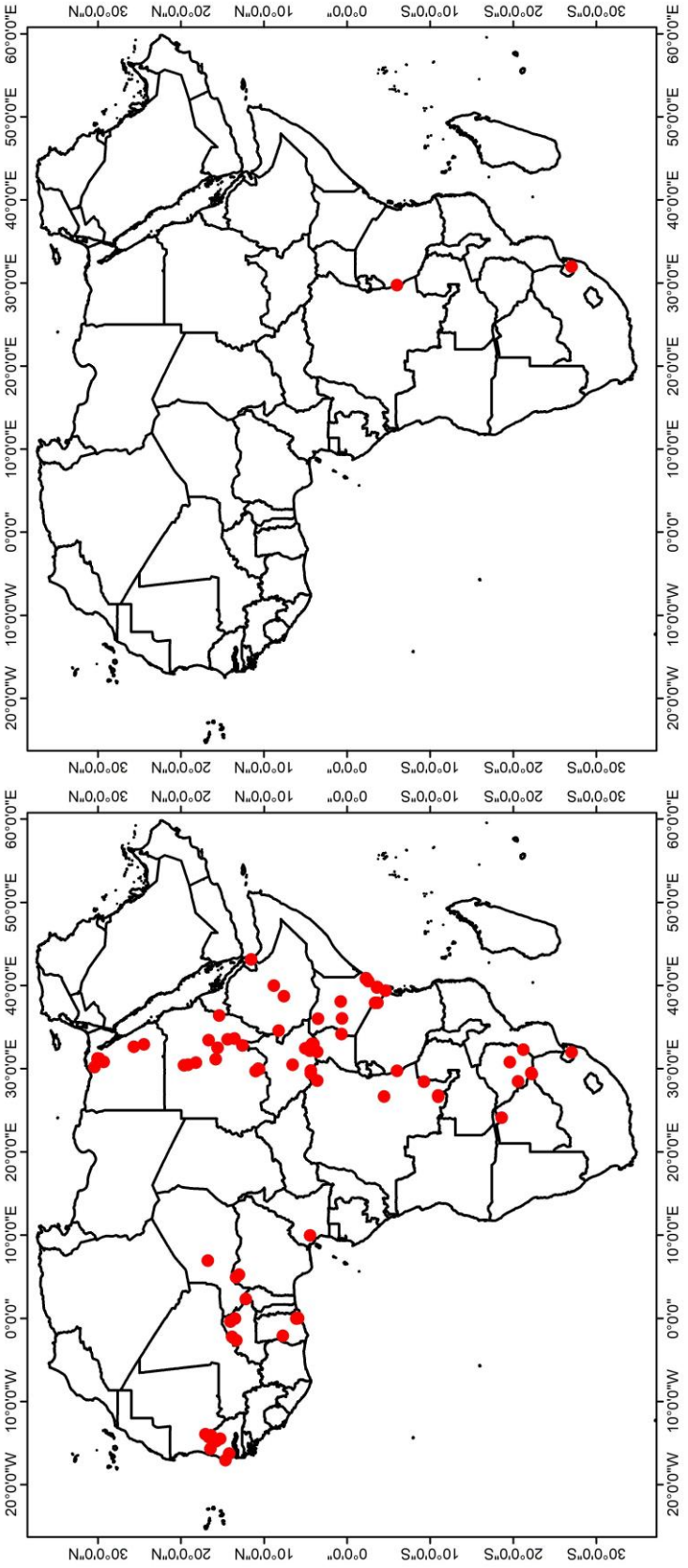

Distribution maps for *Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
(left: all voucher specimens; right: voucher specimens collected since 1998).

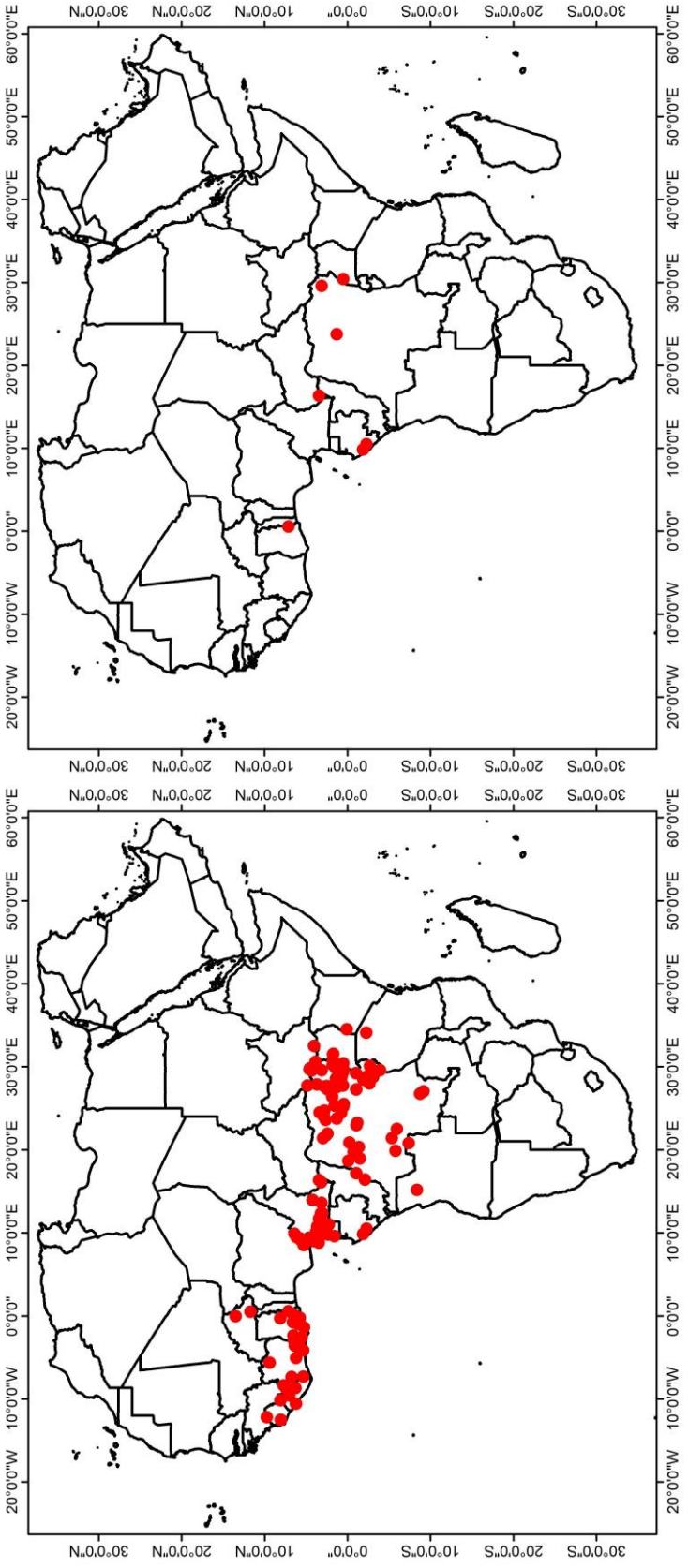

Distribution maps for *Nycteris arge* Thomas, 1903
(left: all voucher specimens; right: voucher specimens collected since 1998).

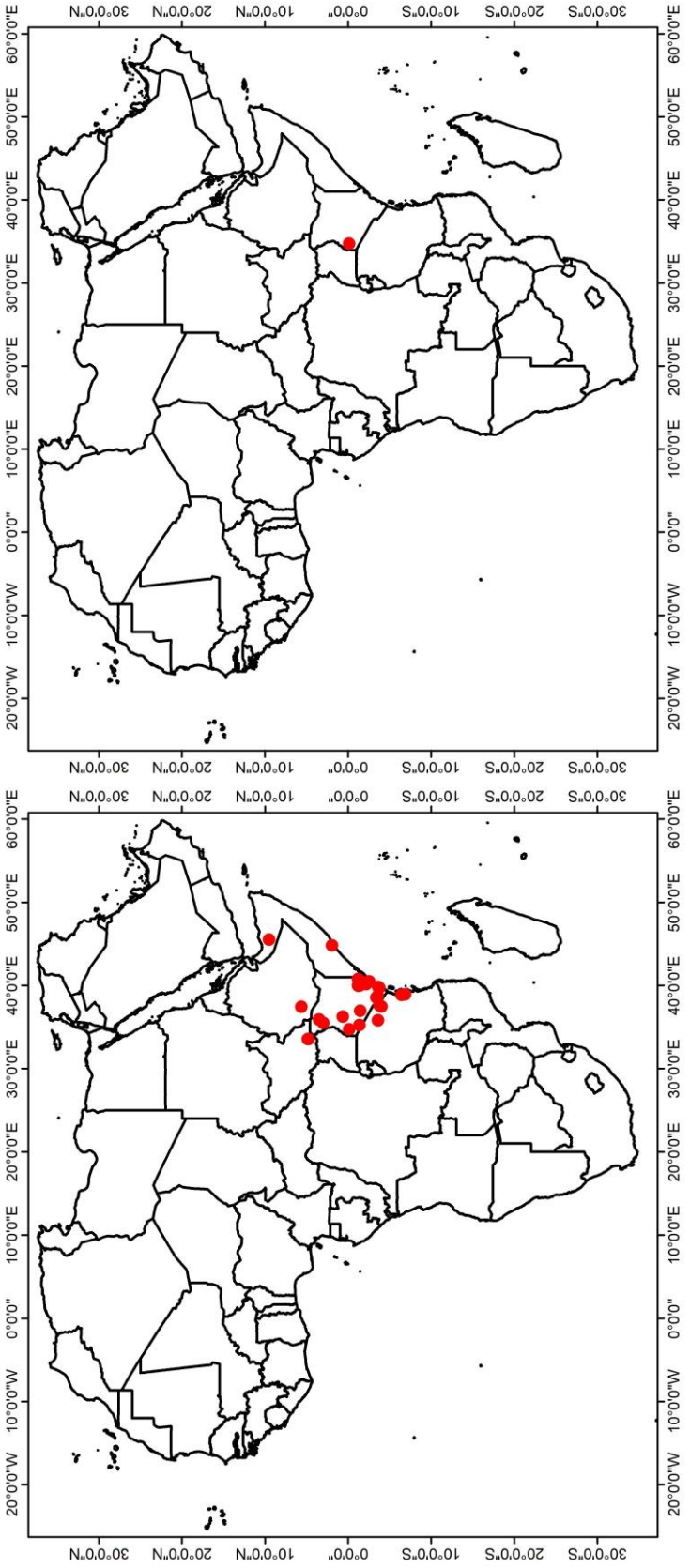

Distribution maps for *Nycteris aurita* (K. Andersen, 1912)
(left: all voucher specimens; right: voucher specimens collected since 1998).

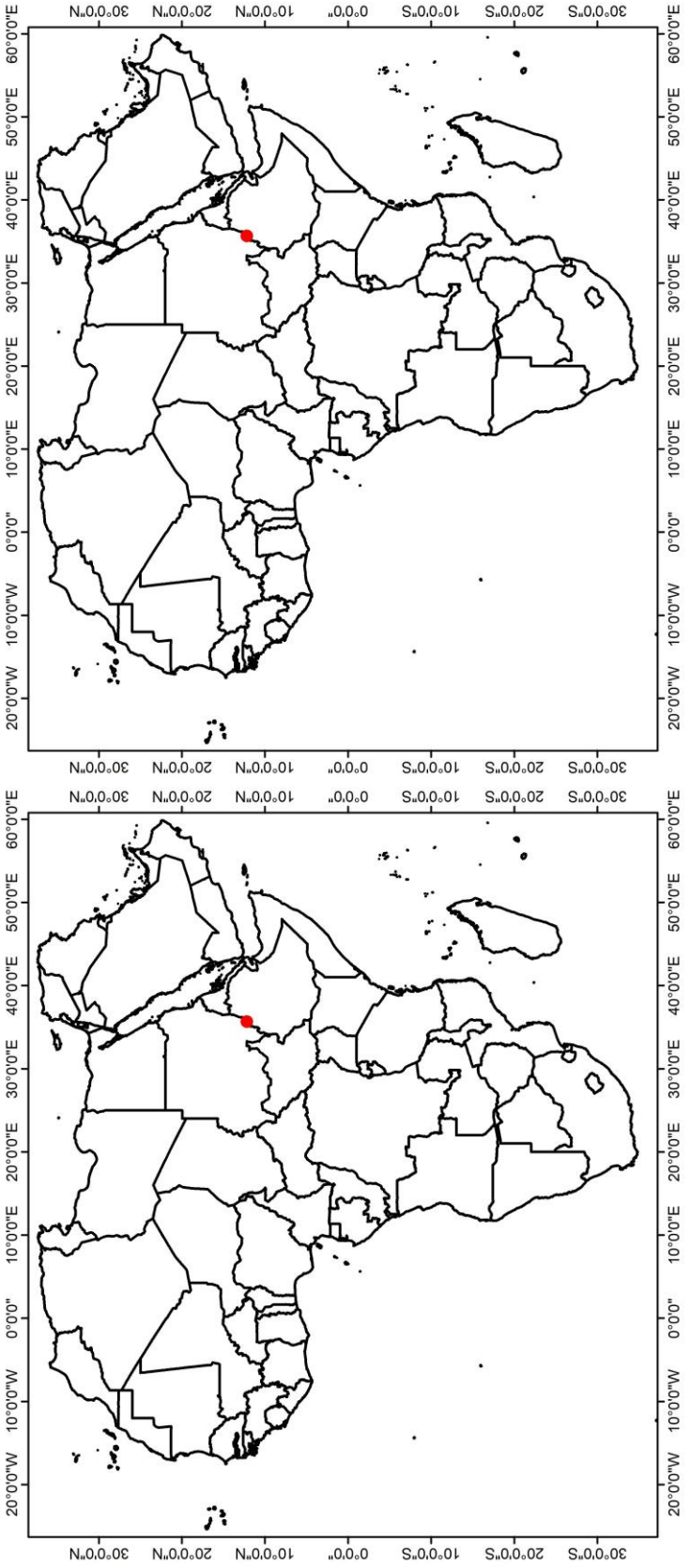

Distribution maps for *Nycteris cf. parisii* De Beaux, 1924
(left: all voucher specimens; right: voucher specimens collected since 1998).

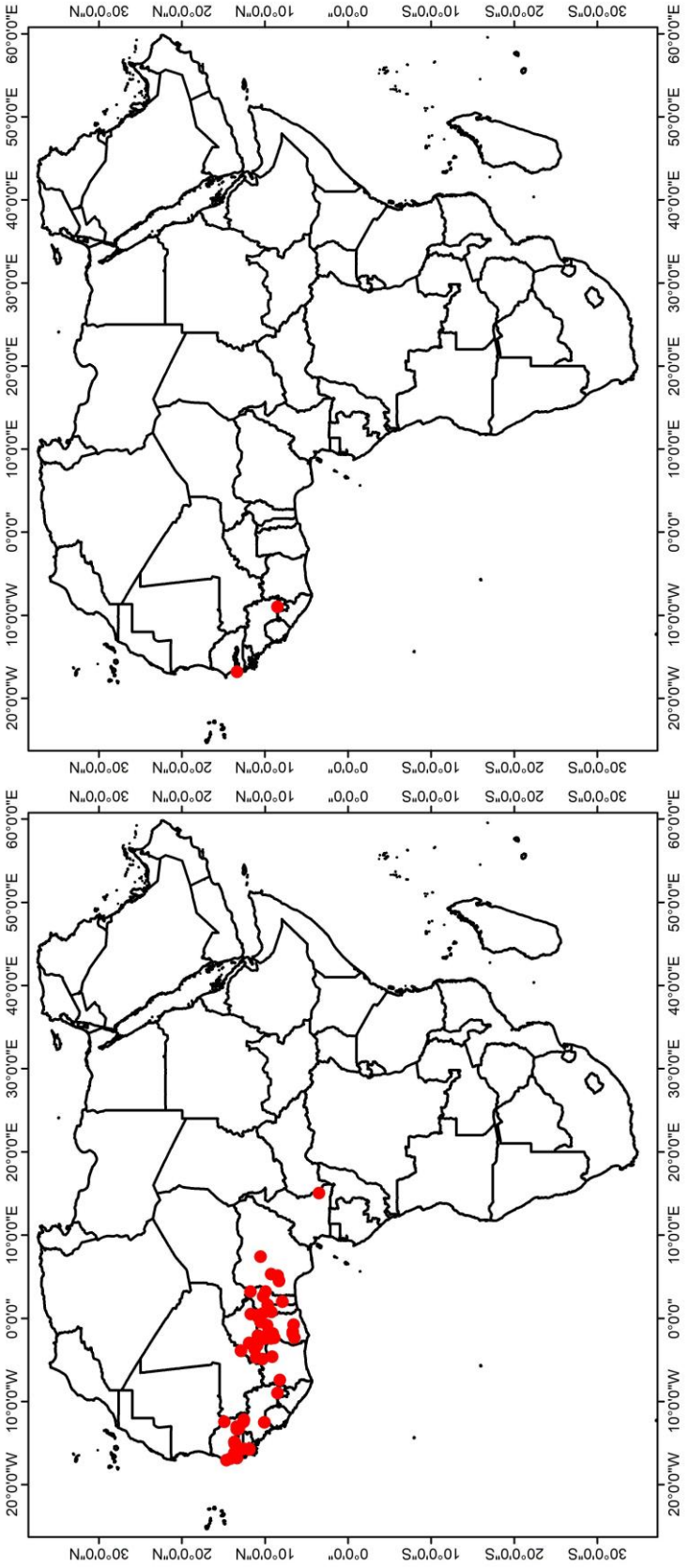

Distribution maps for *Nycteris gambiensis* (K. Andersen, 1912)
(left: all voucher specimens; right: voucher specimens collected since 1998).

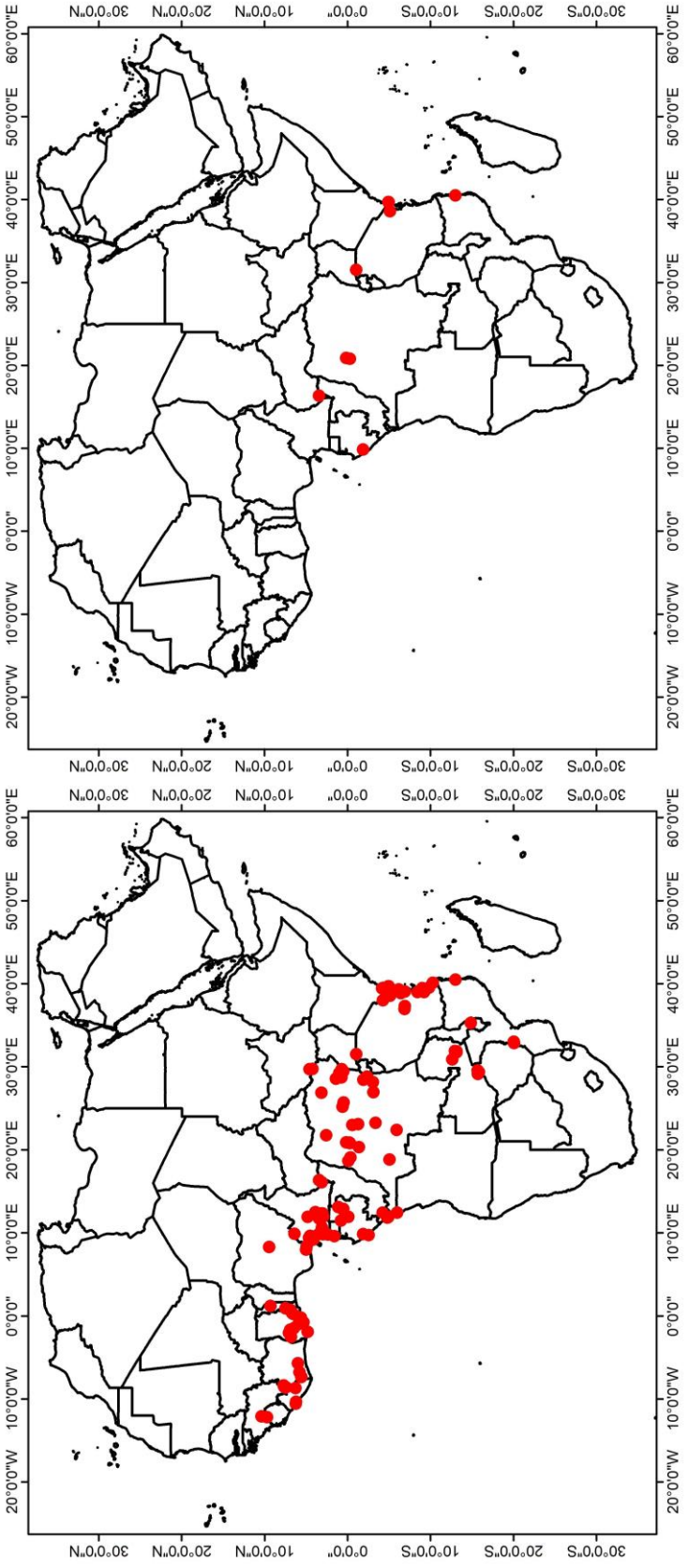

Distribution maps for *Nycteris grandis* Peters, 1865
(left: all voucher specimens; right: voucher specimens collected since 1998).

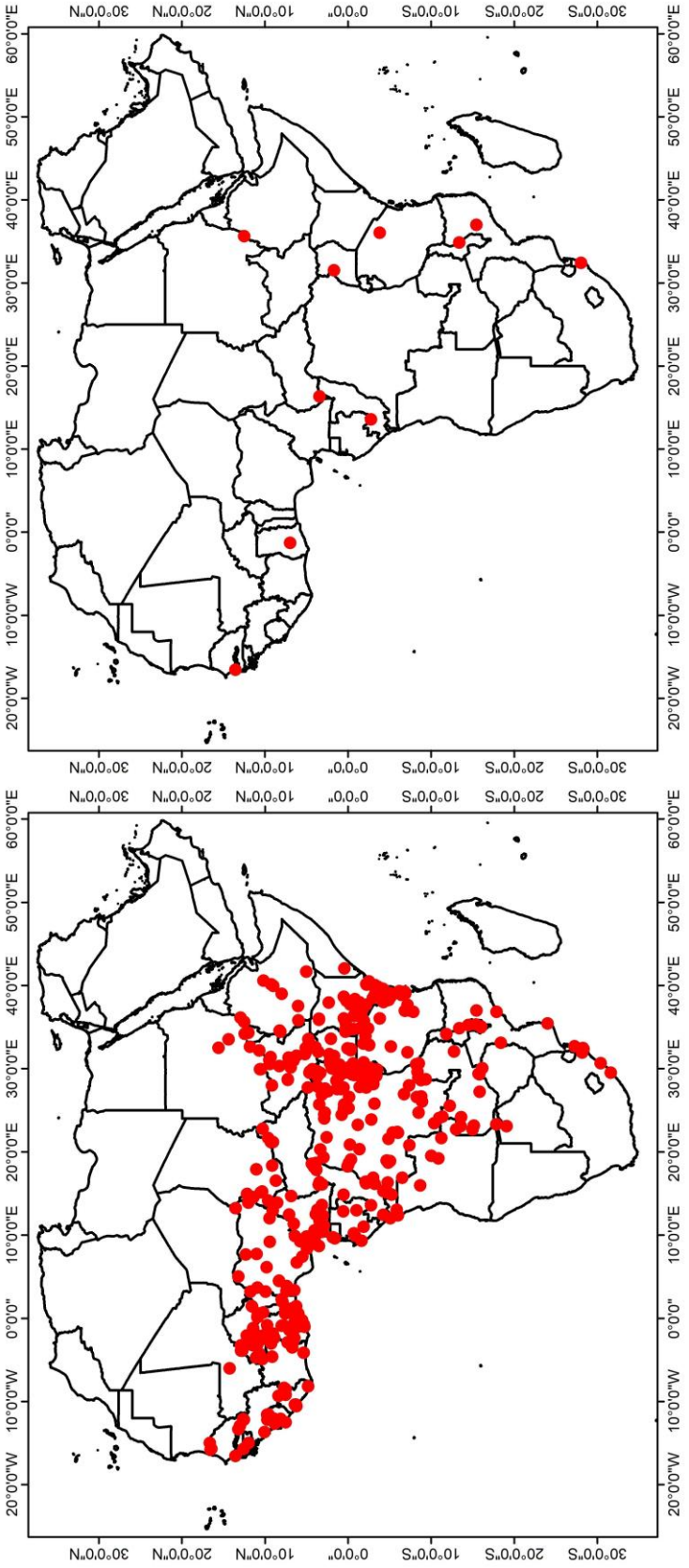

Distribution maps for *Nycteris hispida* (Schreber, 1774)
(left: all voucher specimens; right: voucher specimens collected since 1998).

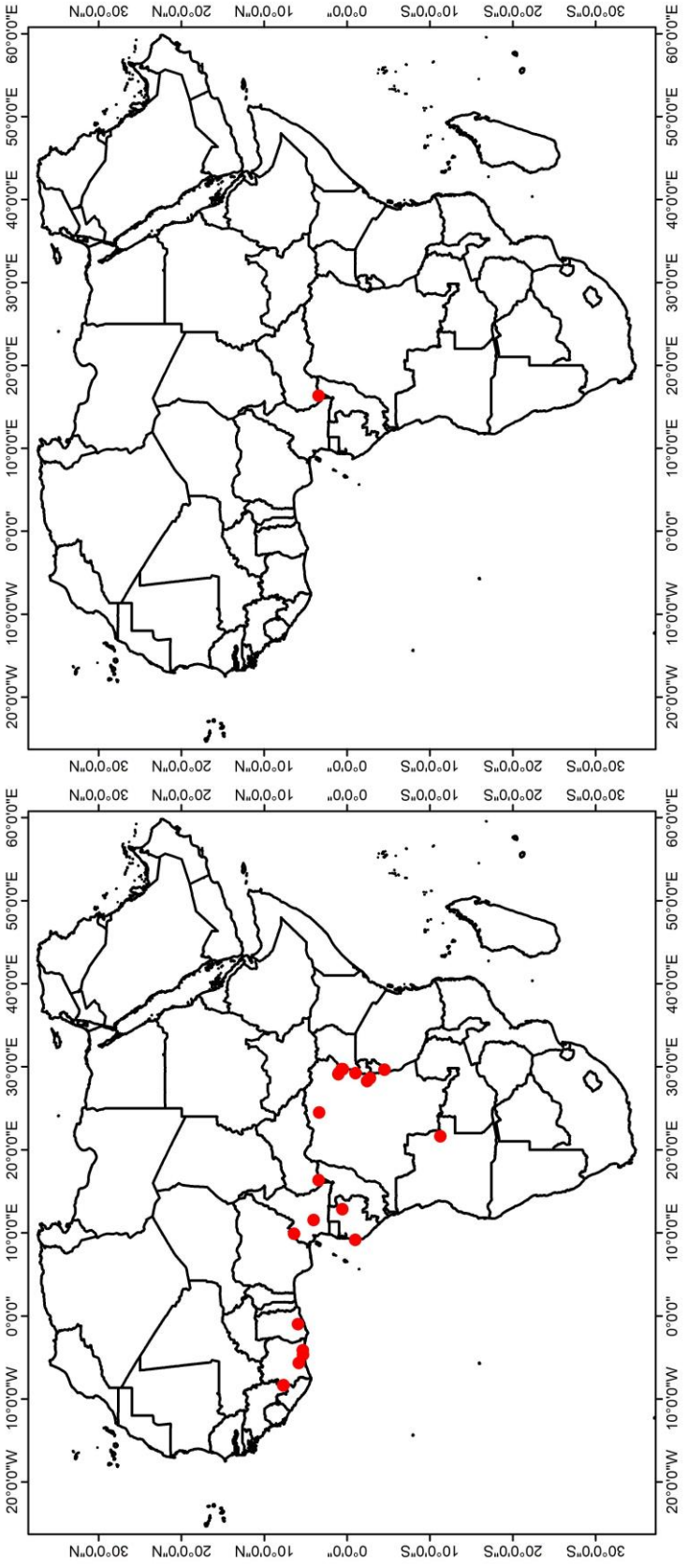

Distribution maps for *Nycteris intermedia* Aellen, 1959
(left: all voucher specimens; right: voucher specimens collected since 1998).

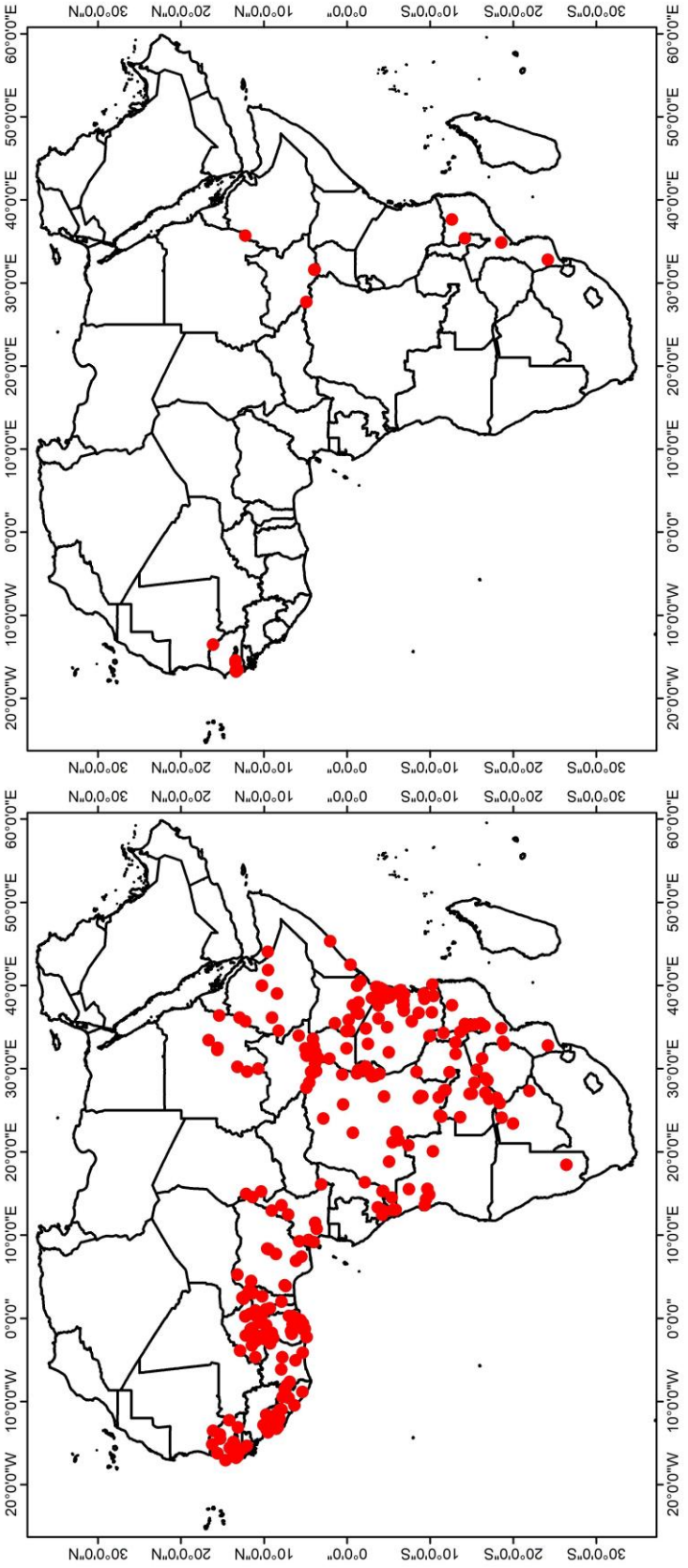

Distribution maps for *Nycteris macrotis* Dobson, 1876
(left: all voucher specimens; right: voucher specimens collected since 1998).

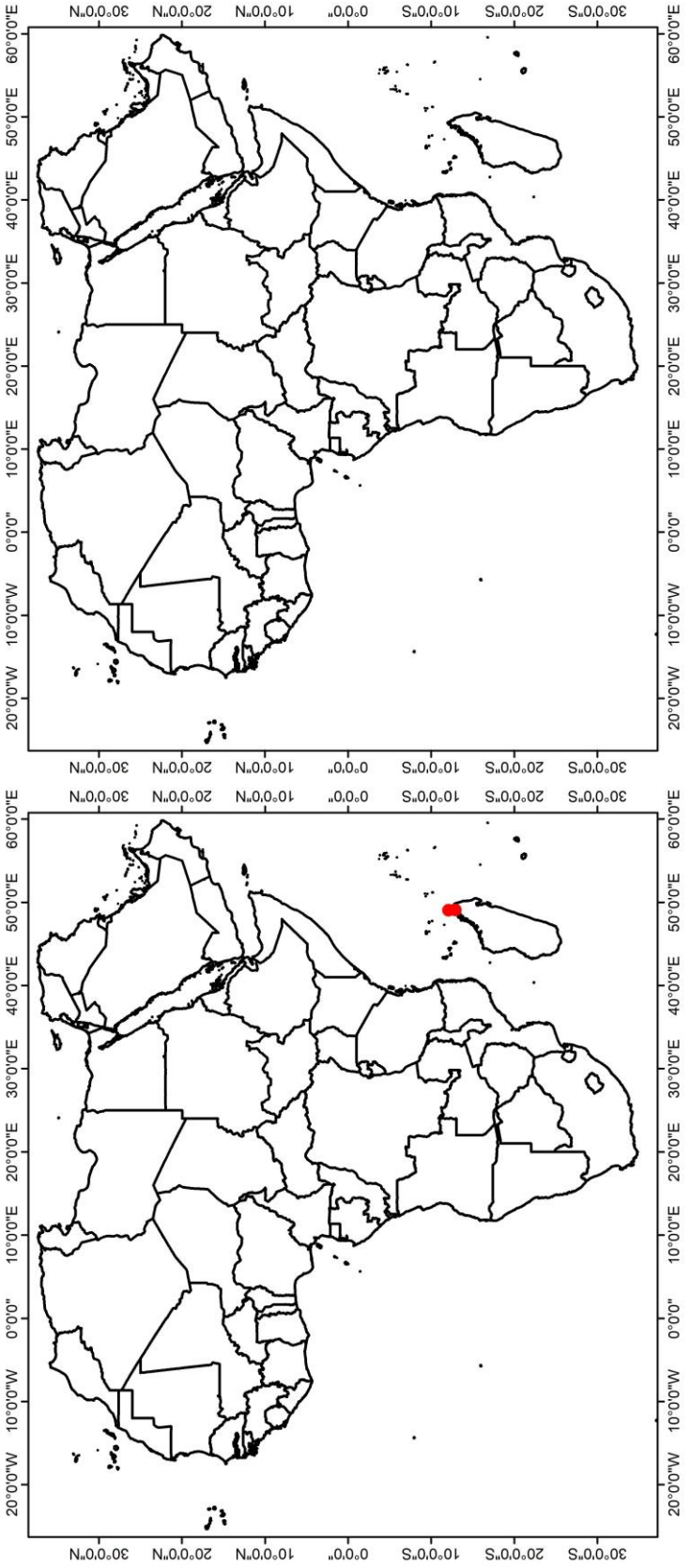

Distribution maps for *Nycteris madagascariensis* G. Grandidier, 1937
(left: all voucher specimens; right: voucher specimens collected since 1998).

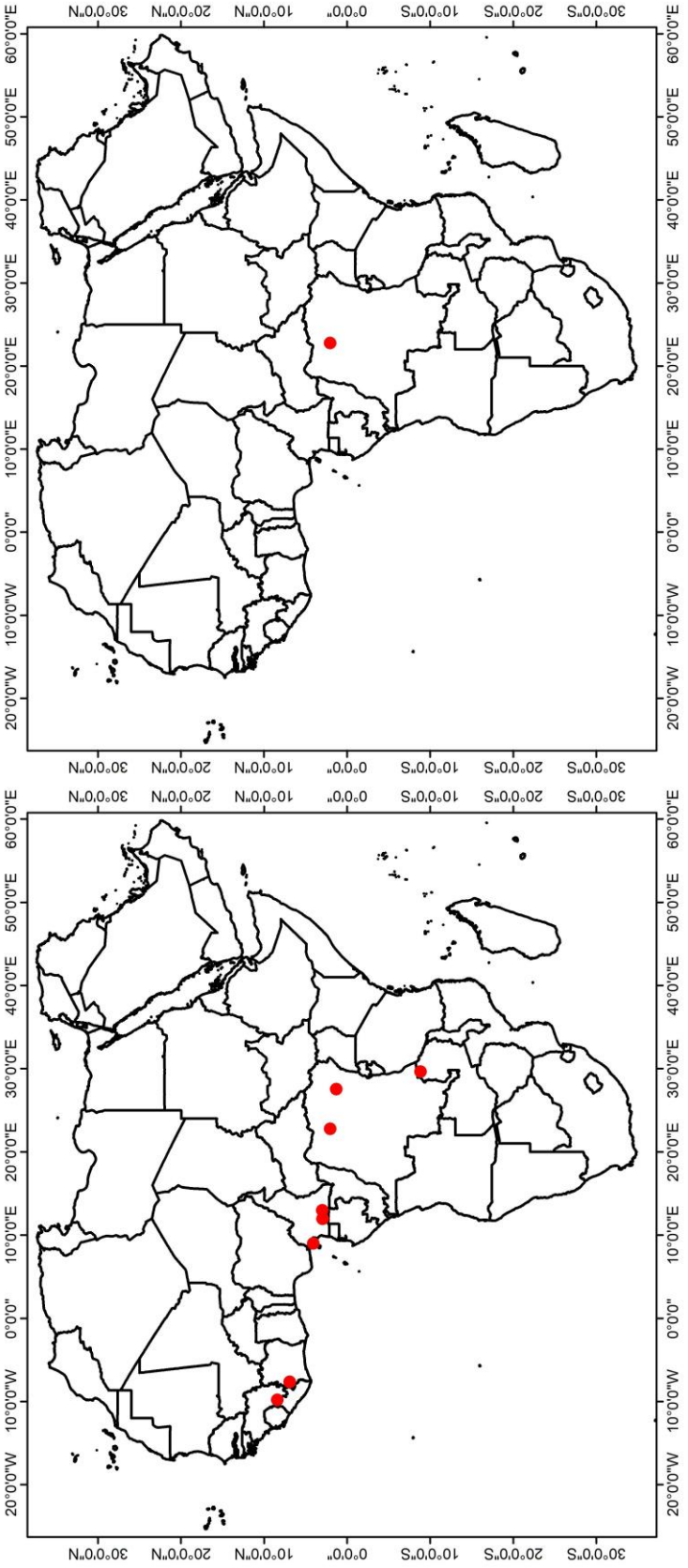

Distribution maps for *Nycteris major* (K. Andersen, 1912)
(left: all voucher specimens; right: voucher specimens collected since 1998).

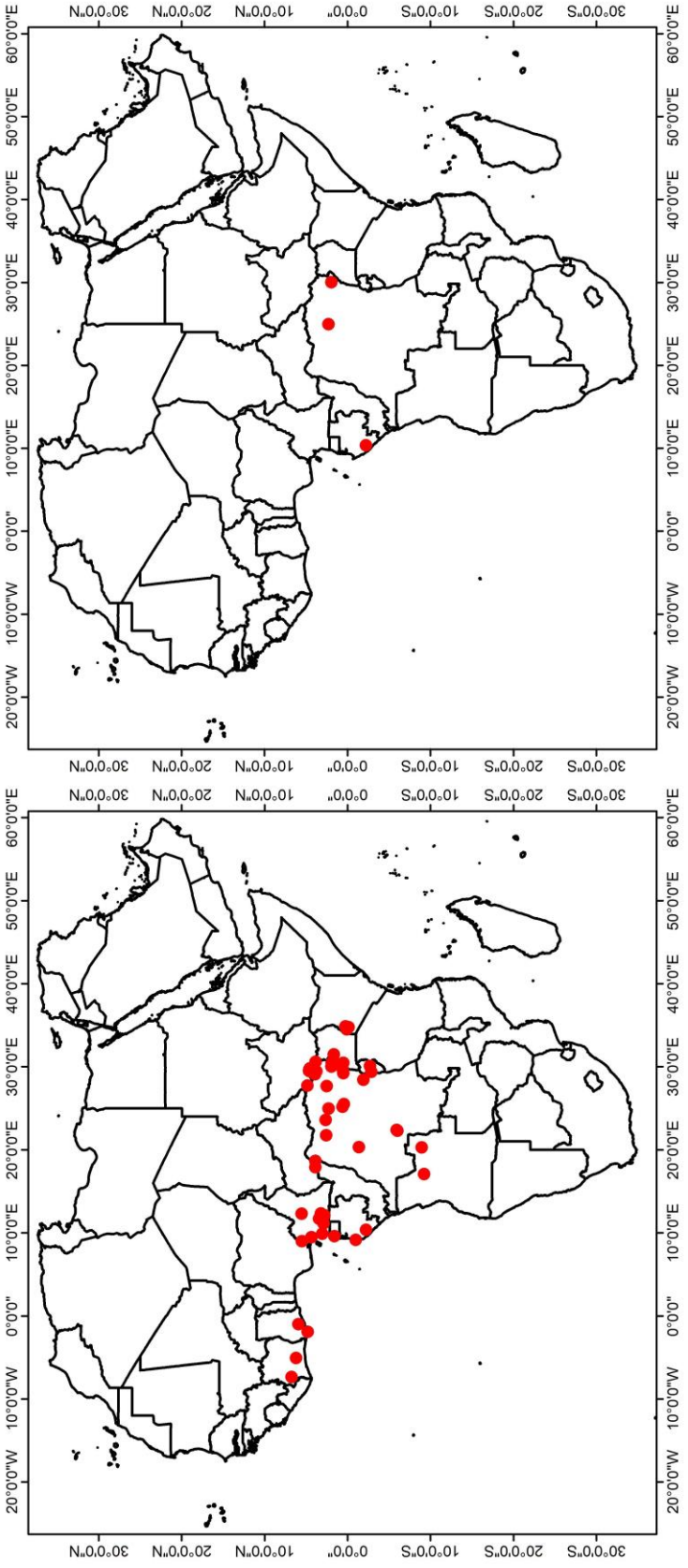

Distribution maps for *Nycteris nana* (K. Andersen, 1912)
(left: all voucher specimens; right: voucher specimens collected since 1998).

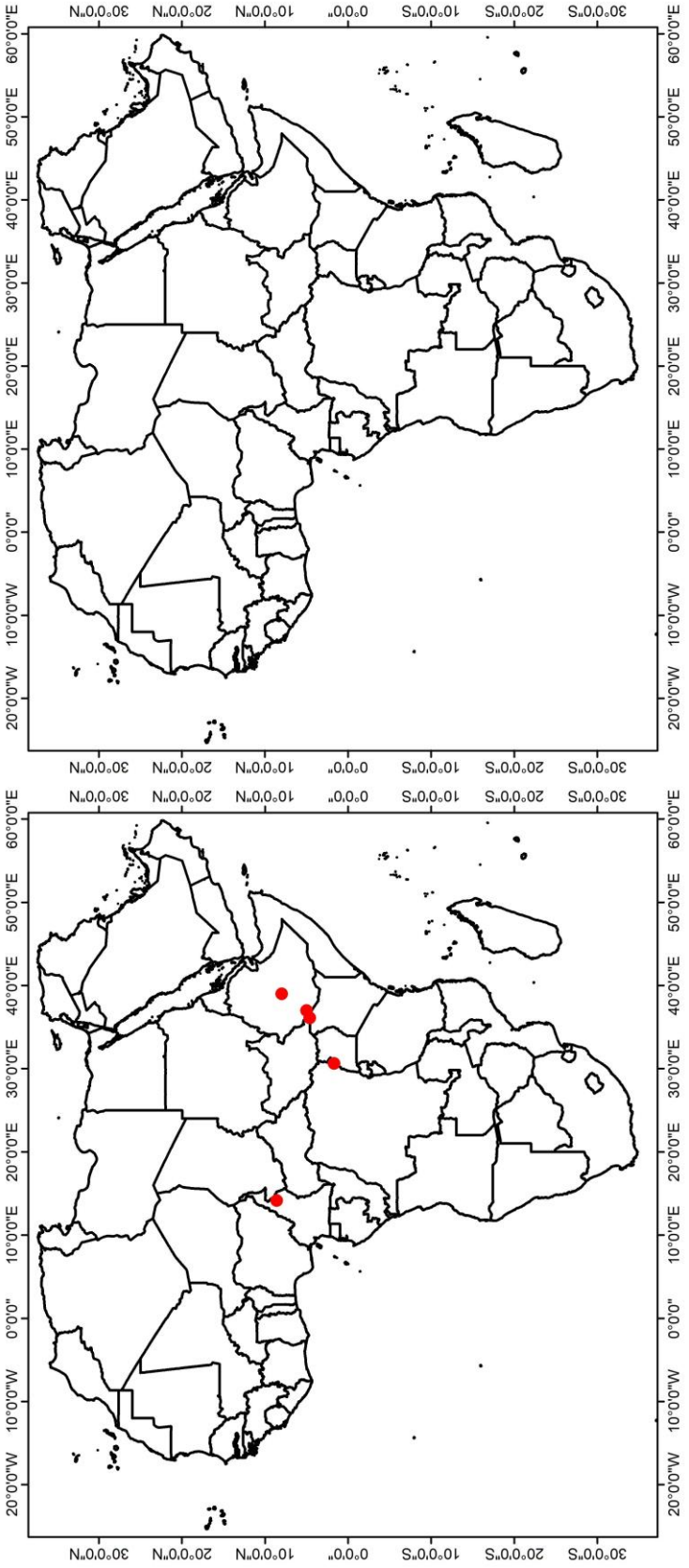

Distribution maps for *Nycteris parisii* (de Beaux, 1924)
(left: all voucher specimens; right: voucher specimens collected since 1998).

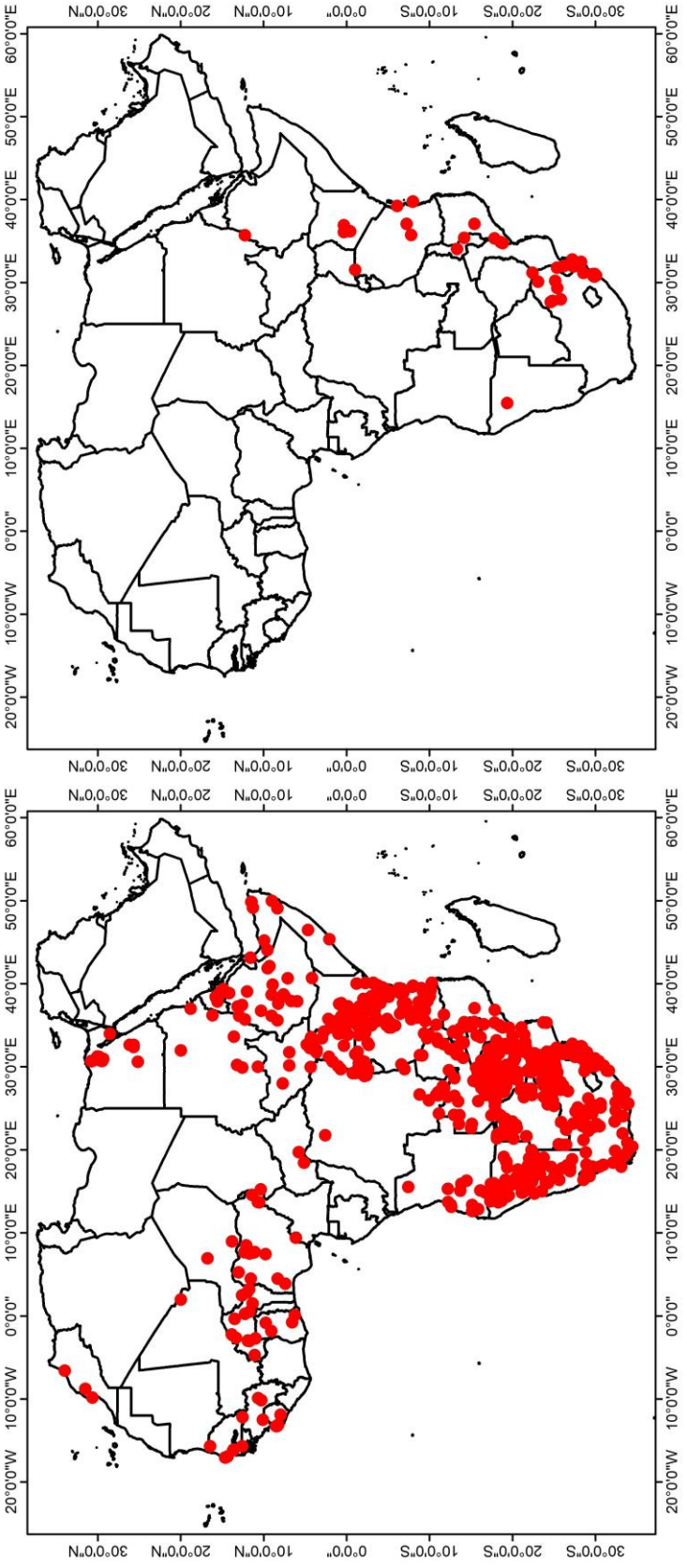

Distribution maps for *Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
(left: all voucher specimens; right: voucher specimens collected since 1998).

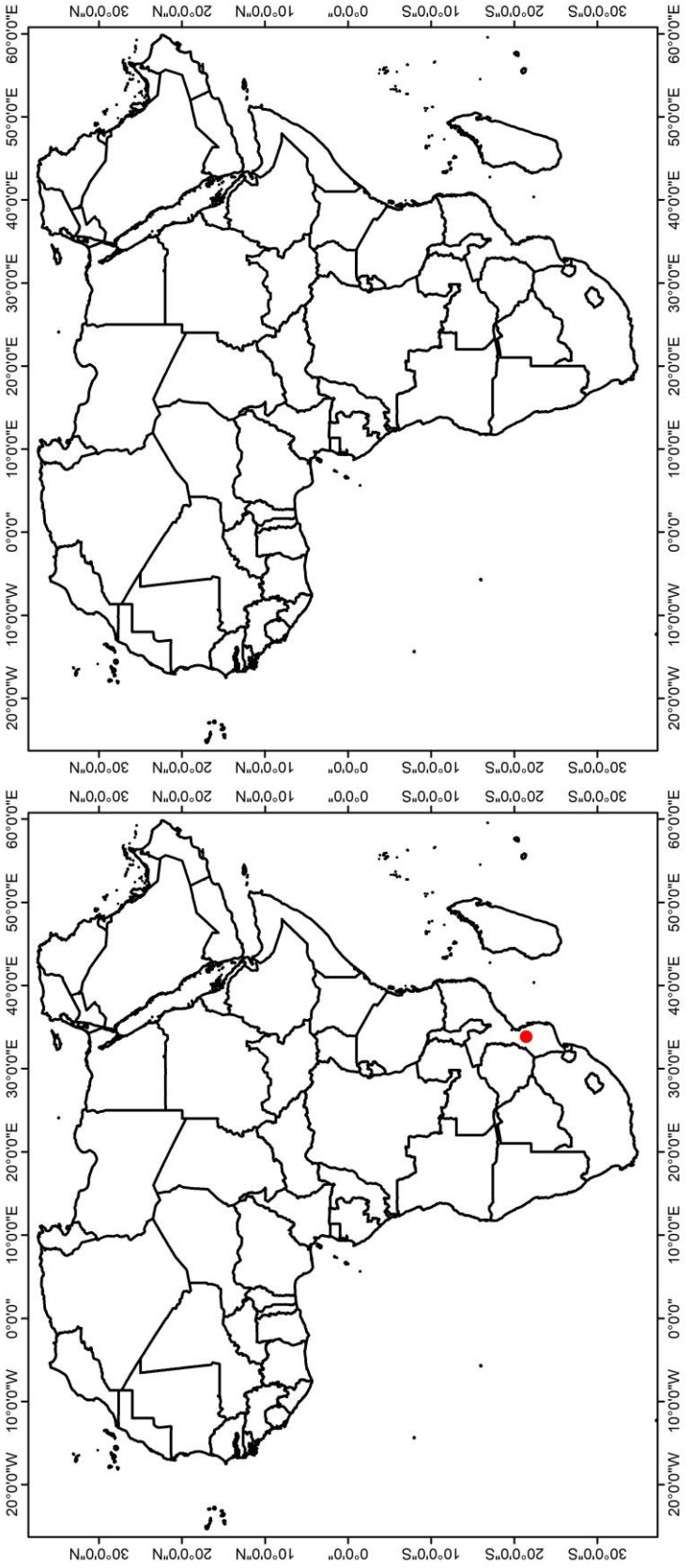

Distribution maps for *Nycteris vinsoni* Dalquest, 1965
(left: all voucher specimens; right: voucher specimens collected since 1998).

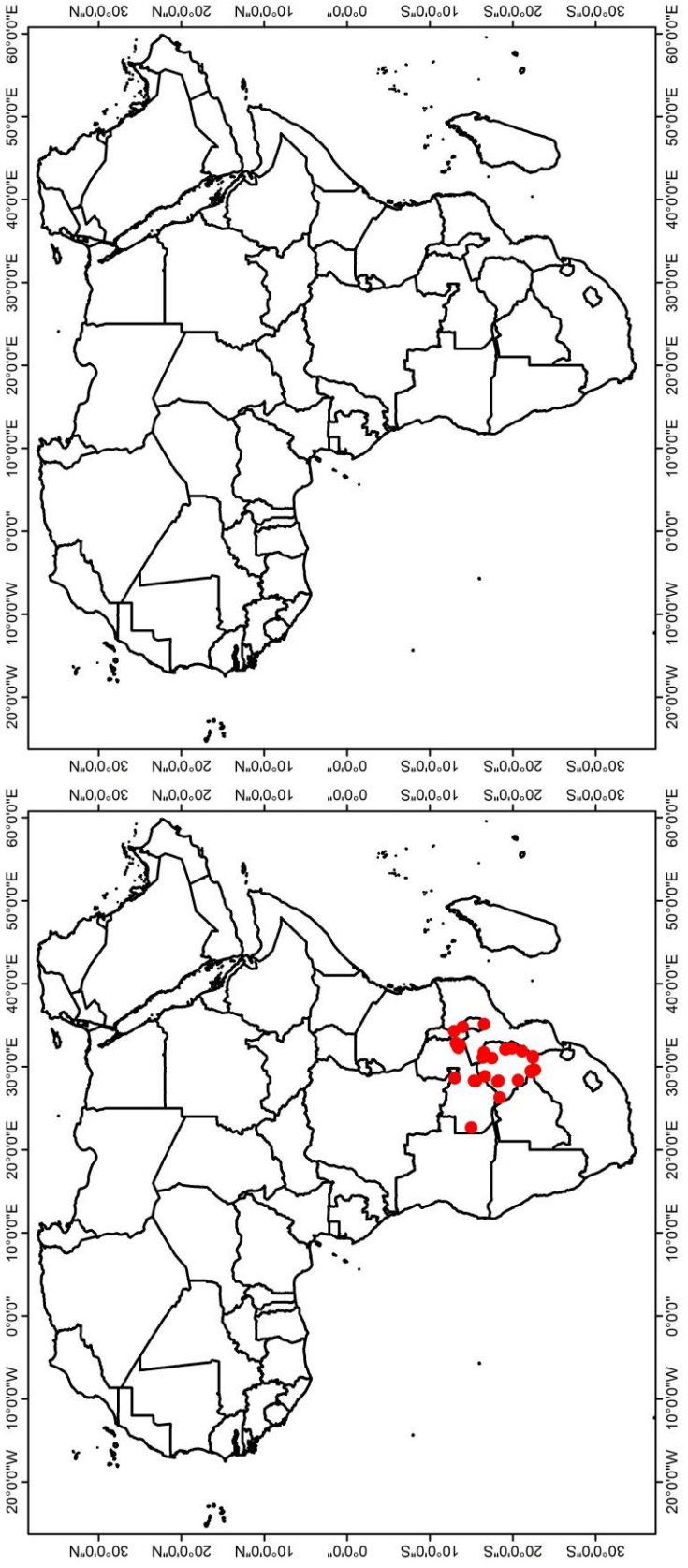

Distribution maps for *Nycteris woodi* K. Andersen, 1914
(left: all voucher specimens; right: voucher specimens collected since 1998).

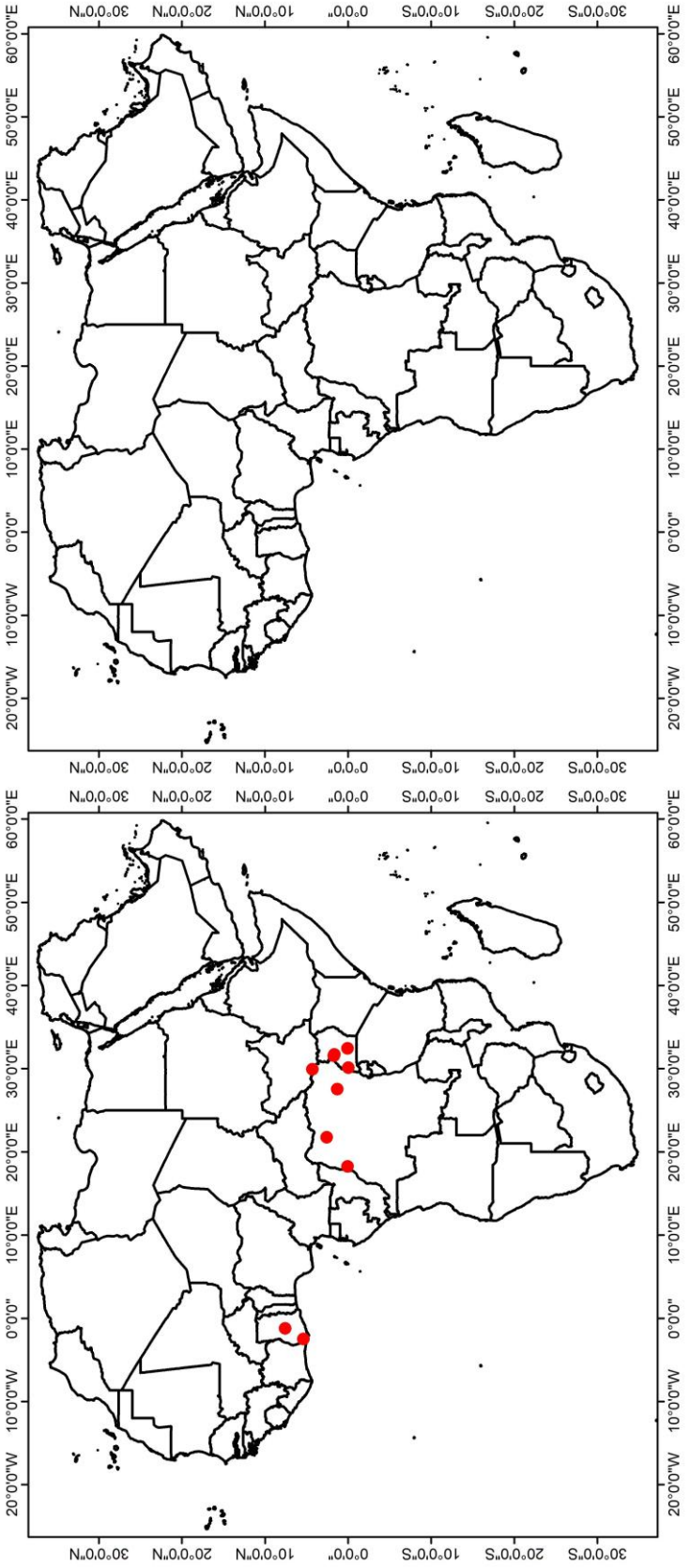

Distribution maps for *Chaerephon aloysiisabaudiae* (Festa, 1907)
(left: all voucher specimens; right: voucher specimens collected since 1998).

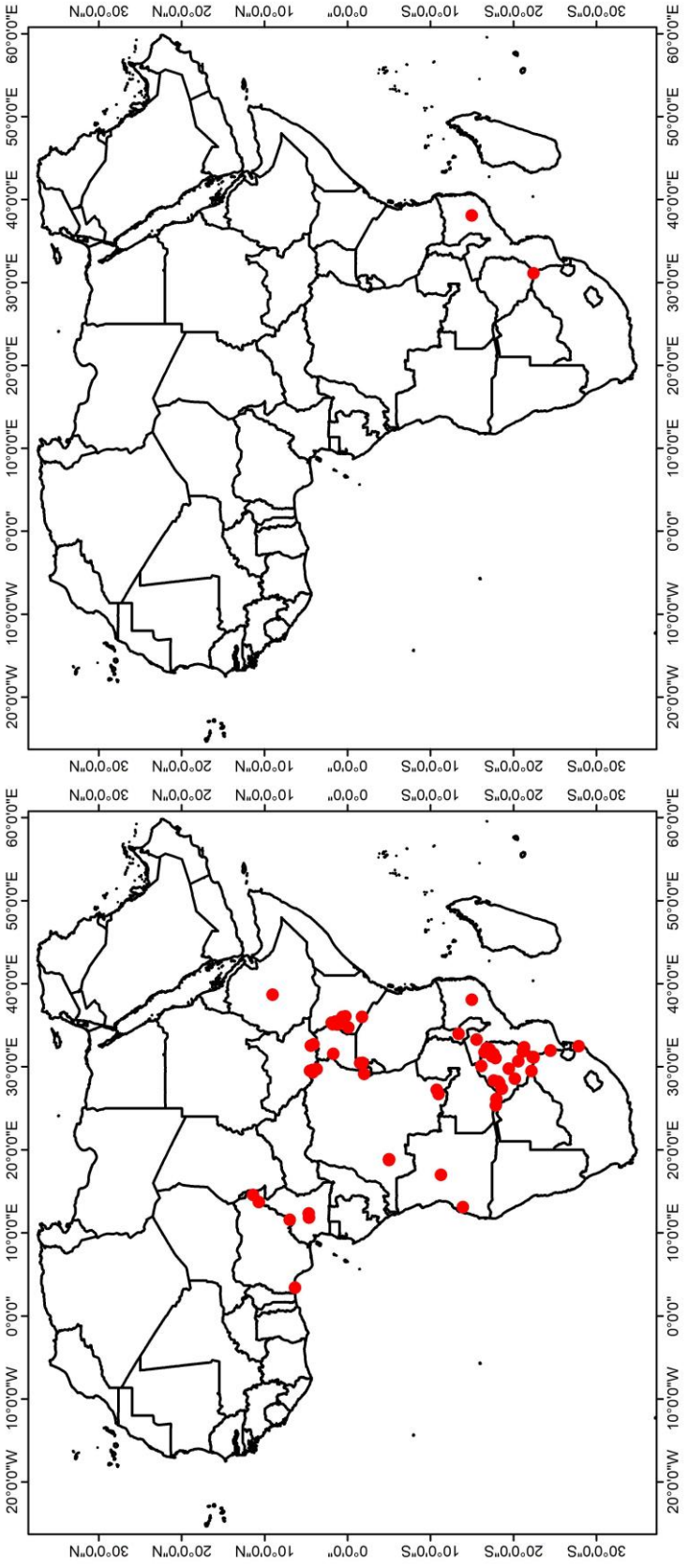

Distribution maps for *Chaerephon ansorgei* (Thomas, 1913)
(left: all voucher specimens; right: voucher specimens collected since 1998).

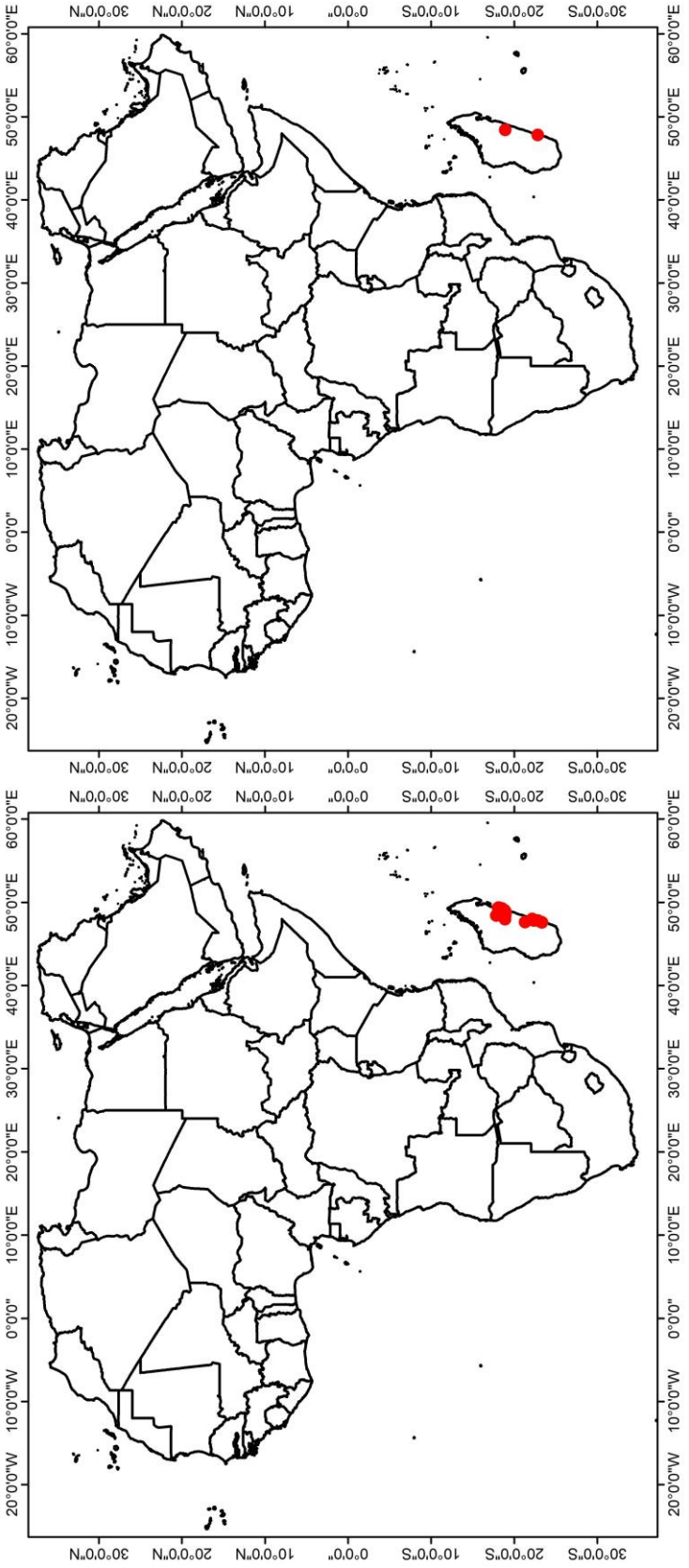

Distribution maps for *Chaerephon atsinanana* Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
(left: all voucher specimens; right: voucher specimens collected since 1998).

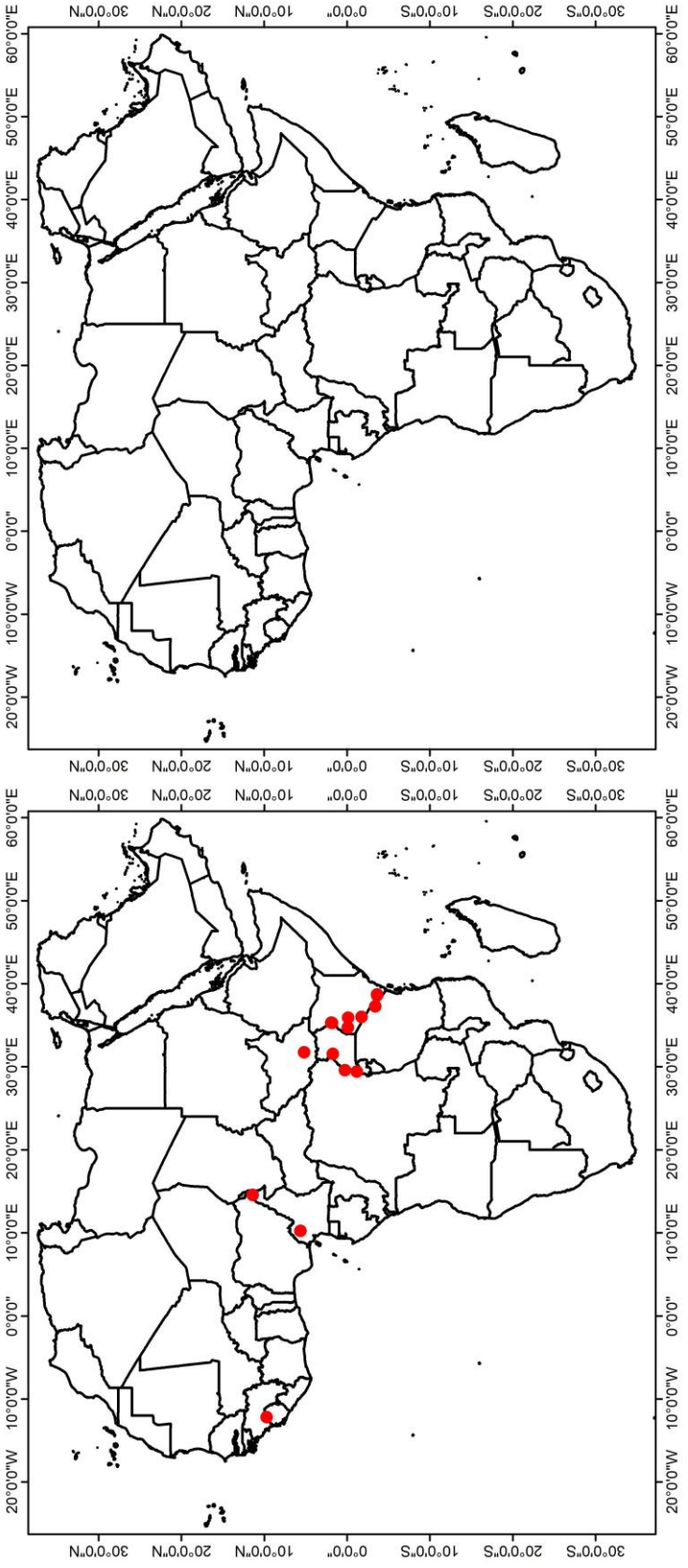

Distribution maps for *Chaerephon bemmeleni* (Jentink, 1879)
(left: all voucher specimens; right: voucher specimens collected since 1998).

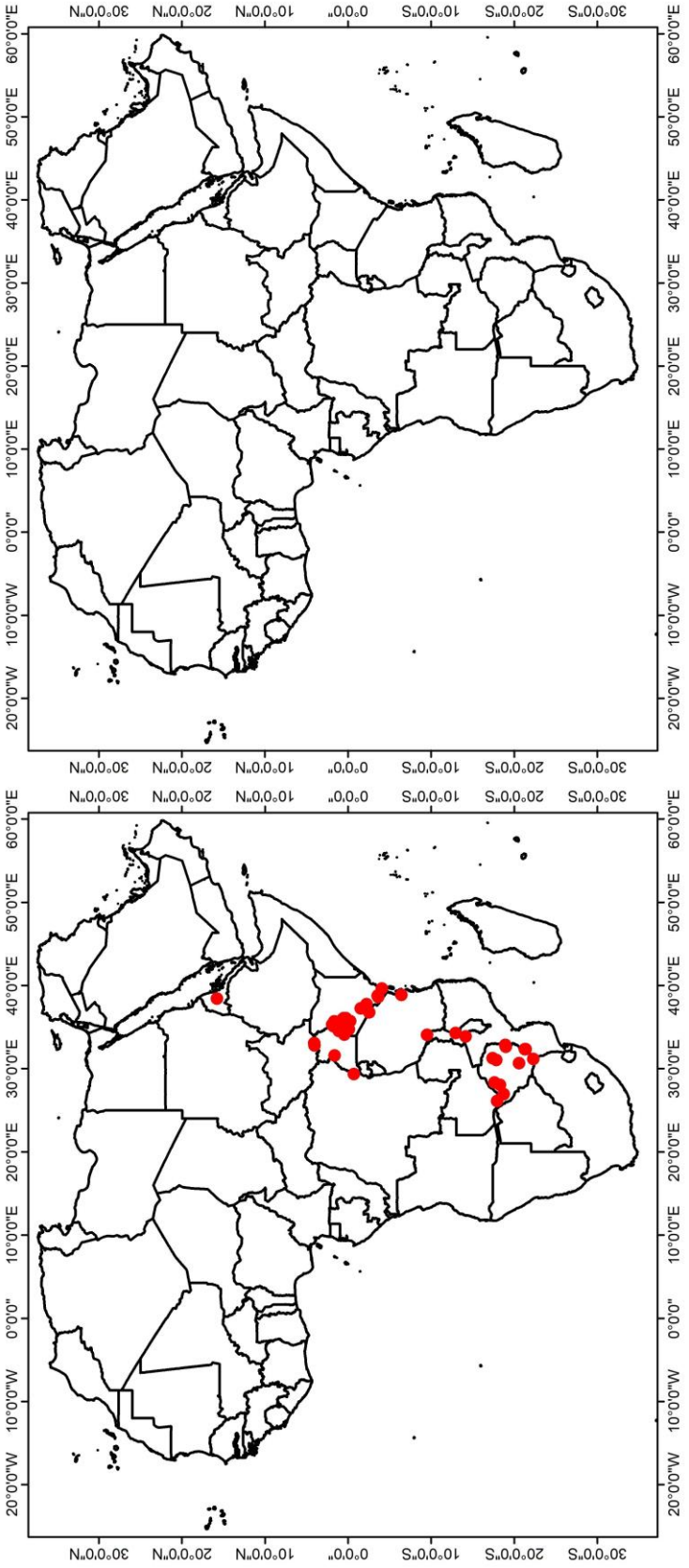

Distribution maps for *Chaerephon bivittatus* (Heuglin, 1861)
(left: all voucher specimens; right: voucher specimens collected since 1998).

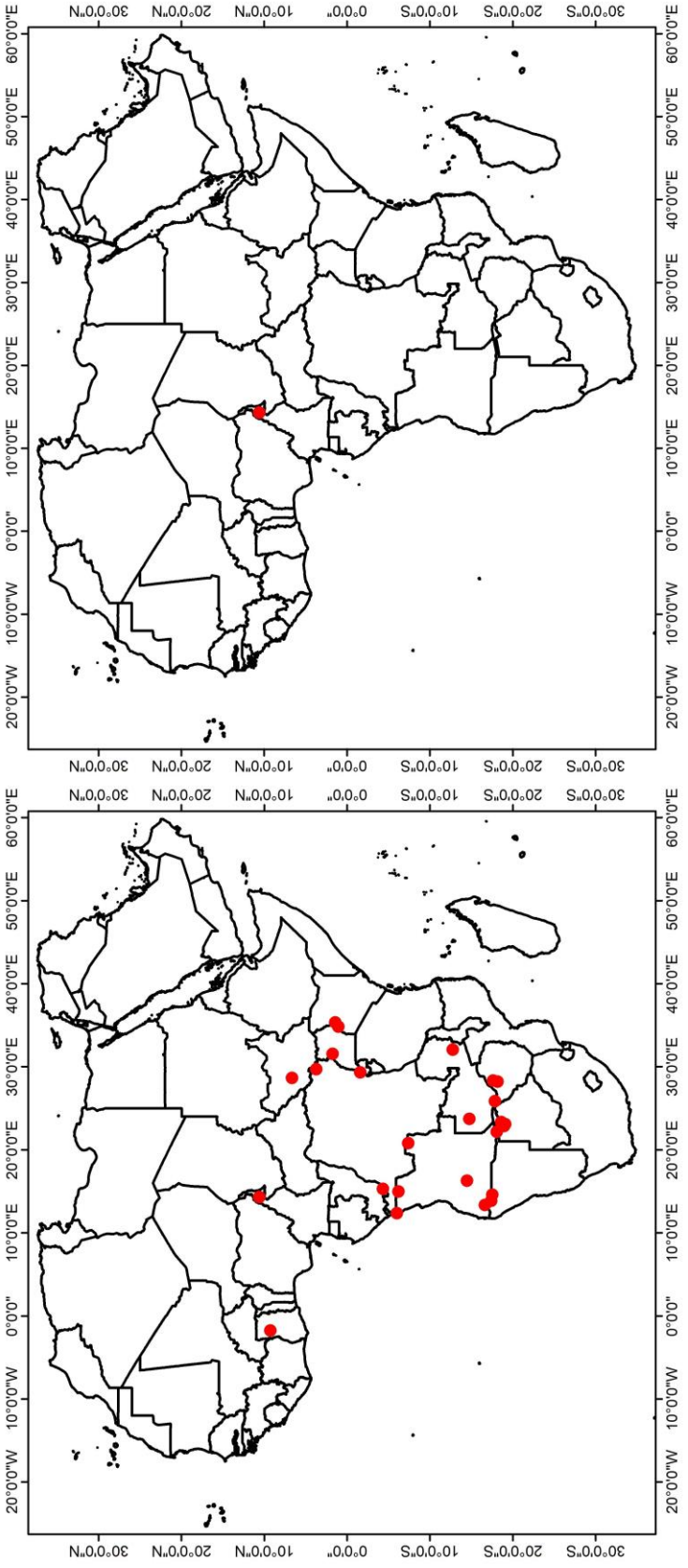

Distribution maps for *Chaerephon chapini* J.A. Allen, 1917
(left: all voucher specimens; right: voucher specimens collected since 1998).

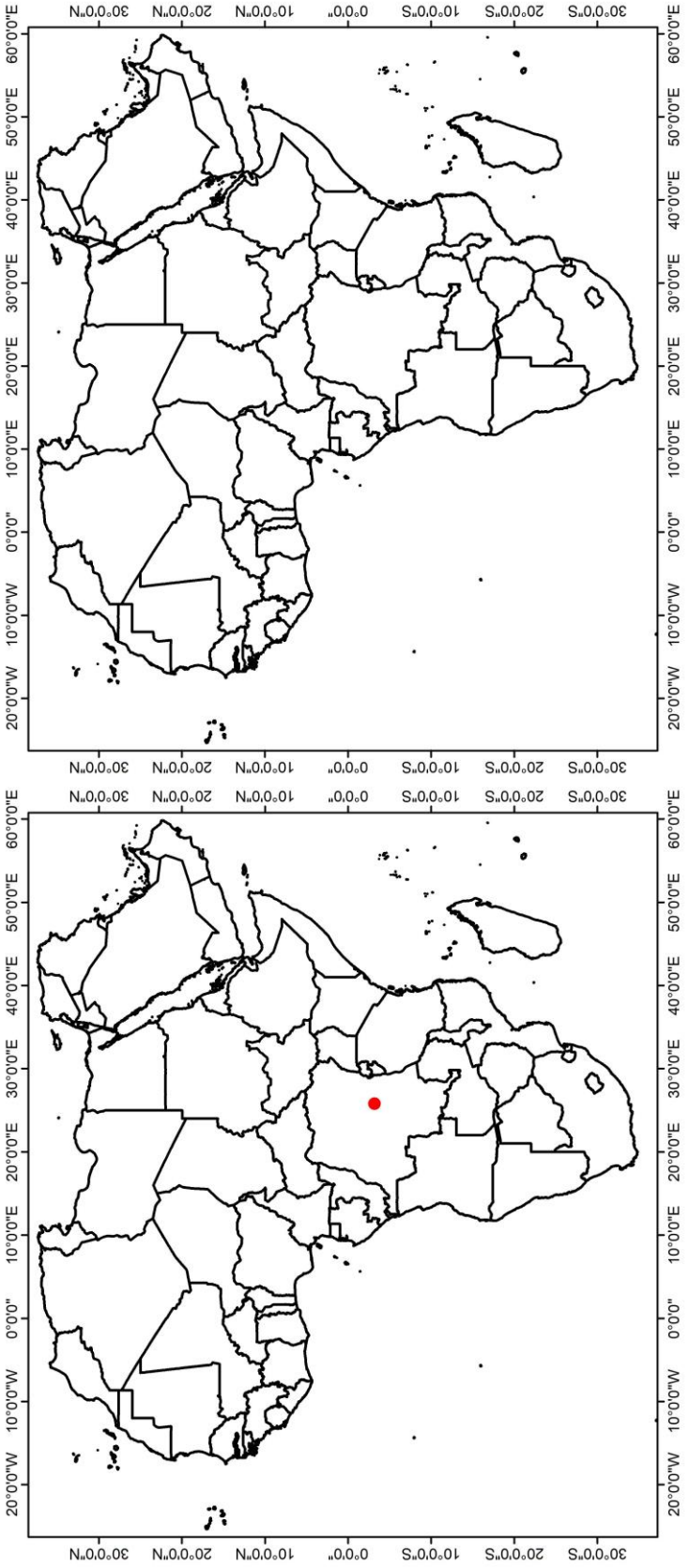

Distribution maps for *Chaerephon gallagheri* (Harrison, 1975)
(left: all voucher specimens; right: voucher specimens collected since 1998).

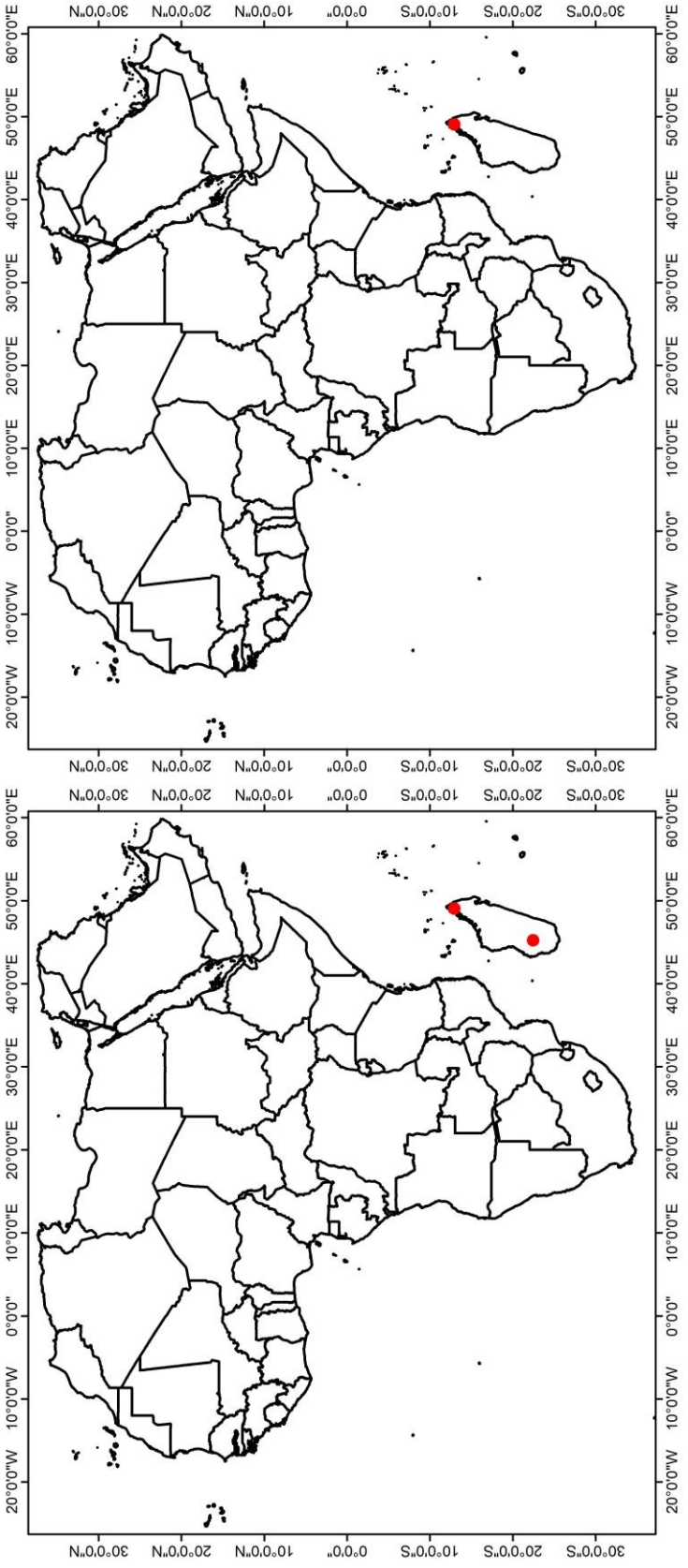

Distribution maps for *Chaerephon jobimena* Goodman and Cardiff, 2004 (left: all voucher specimens; right: voucher specimens collected since 1998).

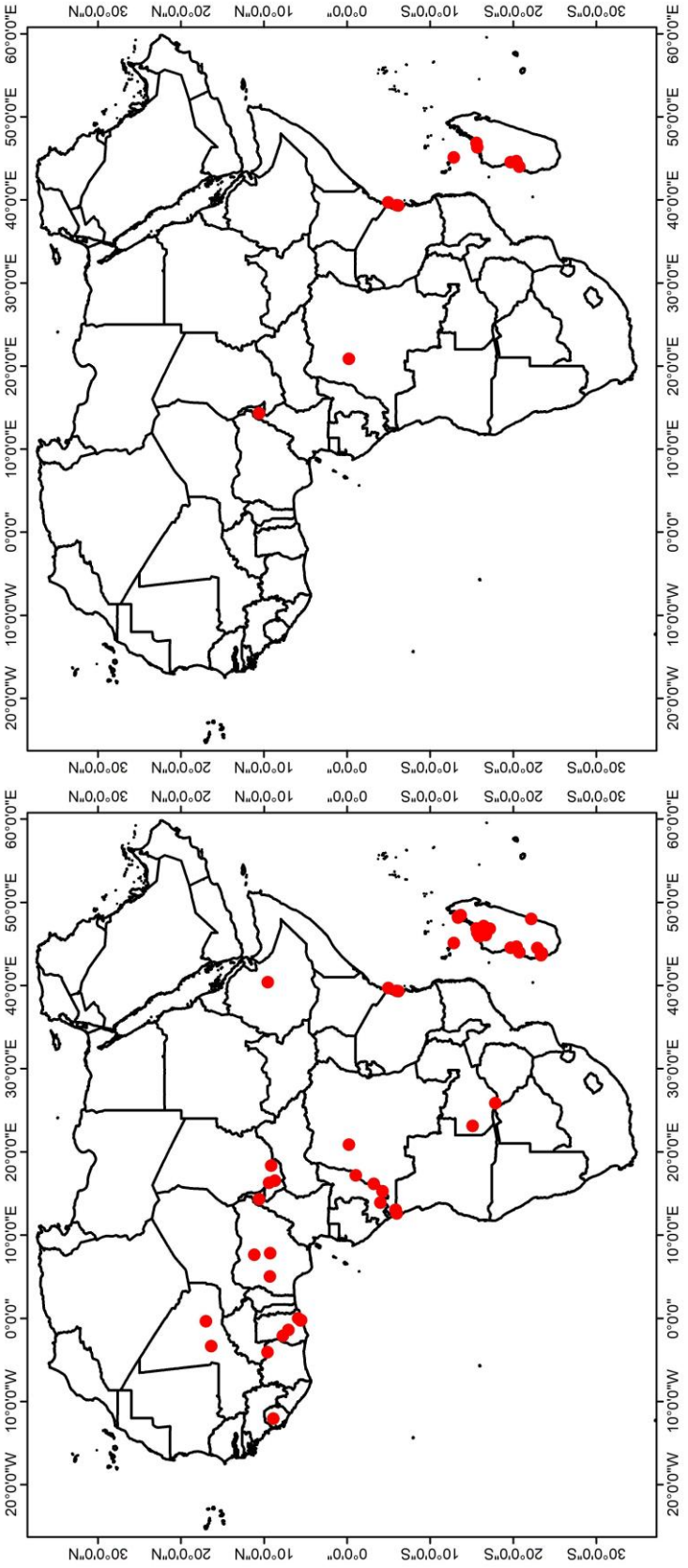

Distribution maps for *Chaerephon leucogaster* (A. Grandidier, 1869)
(left: all voucher specimens; right: voucher specimens collected since 1998).

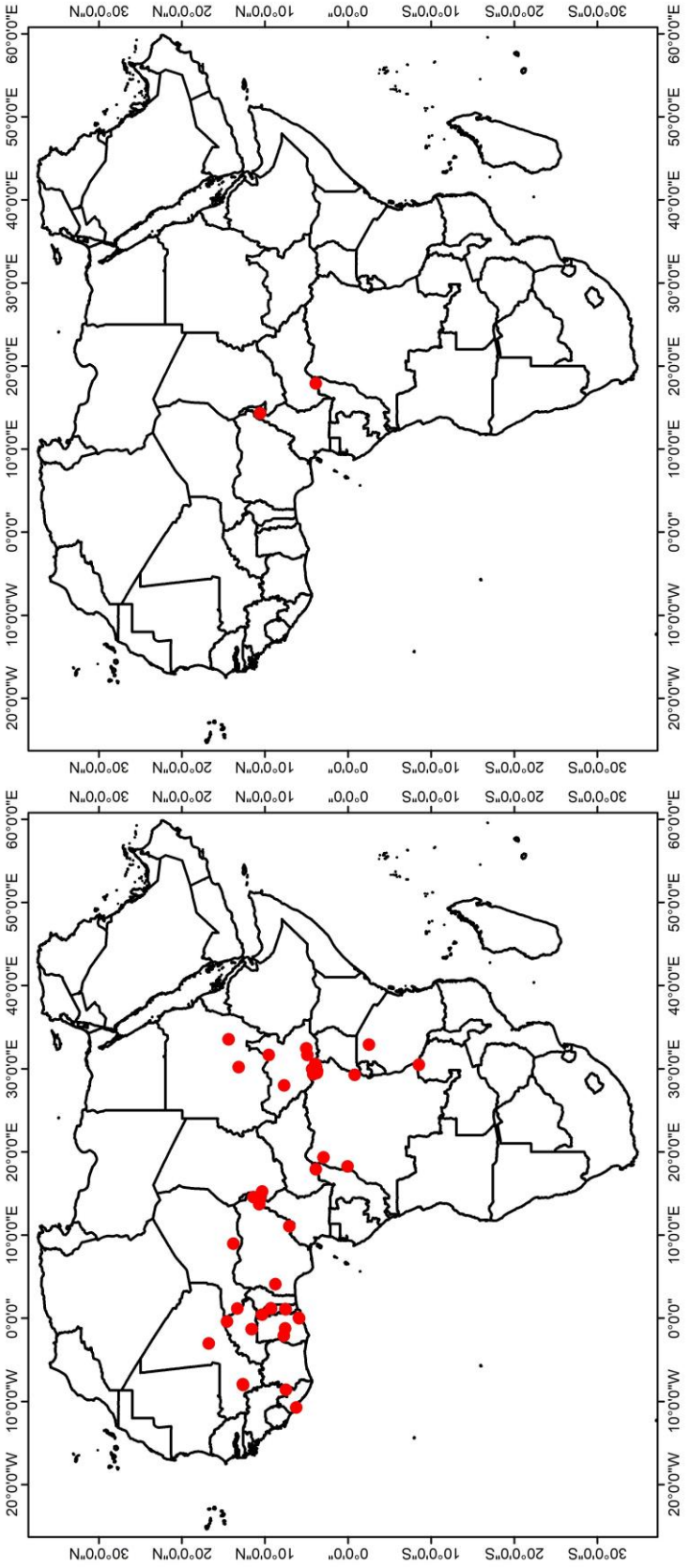

Distribution maps for *Chaerephon major* (Trouessart, 1897)
(left: all voucher specimens; right: voucher specimens collected since 1998).

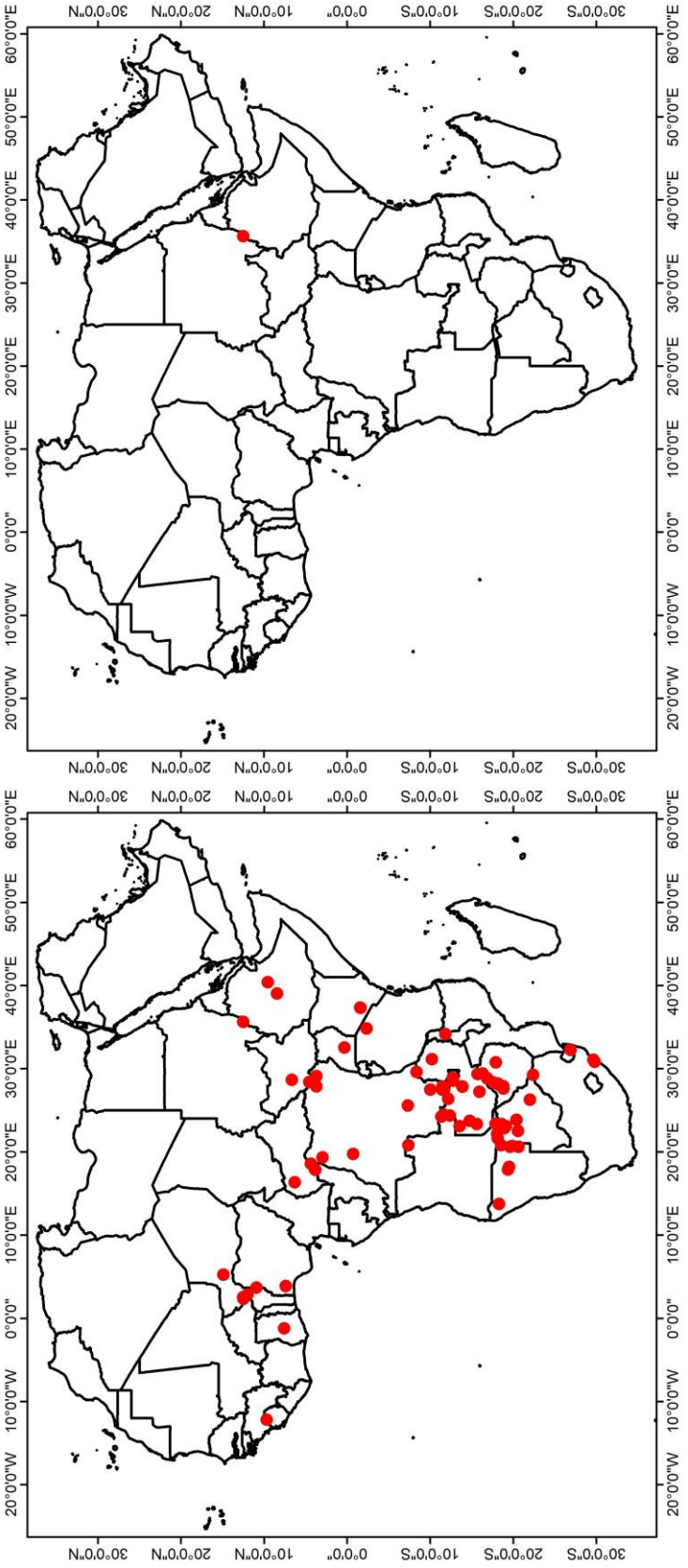

Distribution maps for *Chaerephon nigeriae* Thomas, 1913
(left: all voucher specimens; right: voucher specimens collected since 1998).

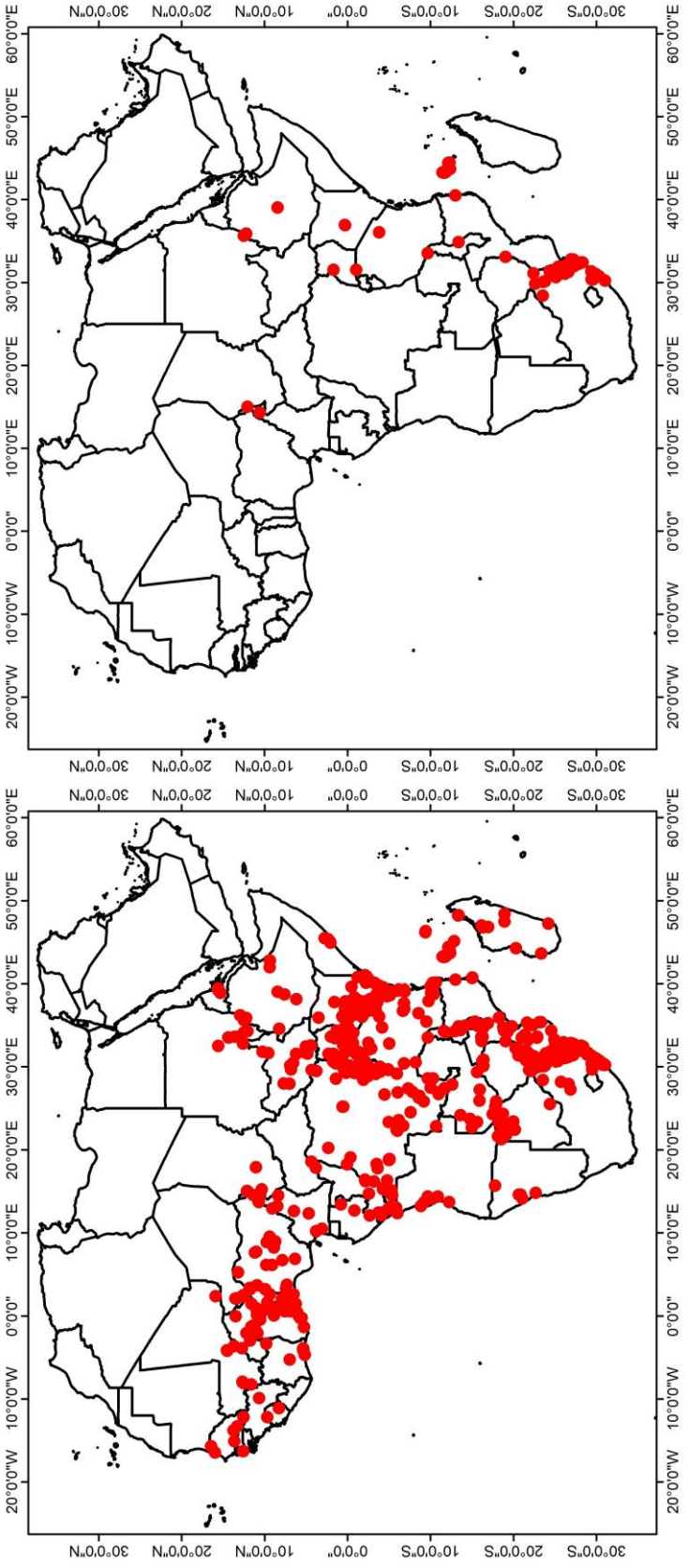

Distribution maps for *Chaerephon pumilus* (Cretzschmar, 1826)
(left: all voucher specimens; right: voucher specimens collected since 1998).

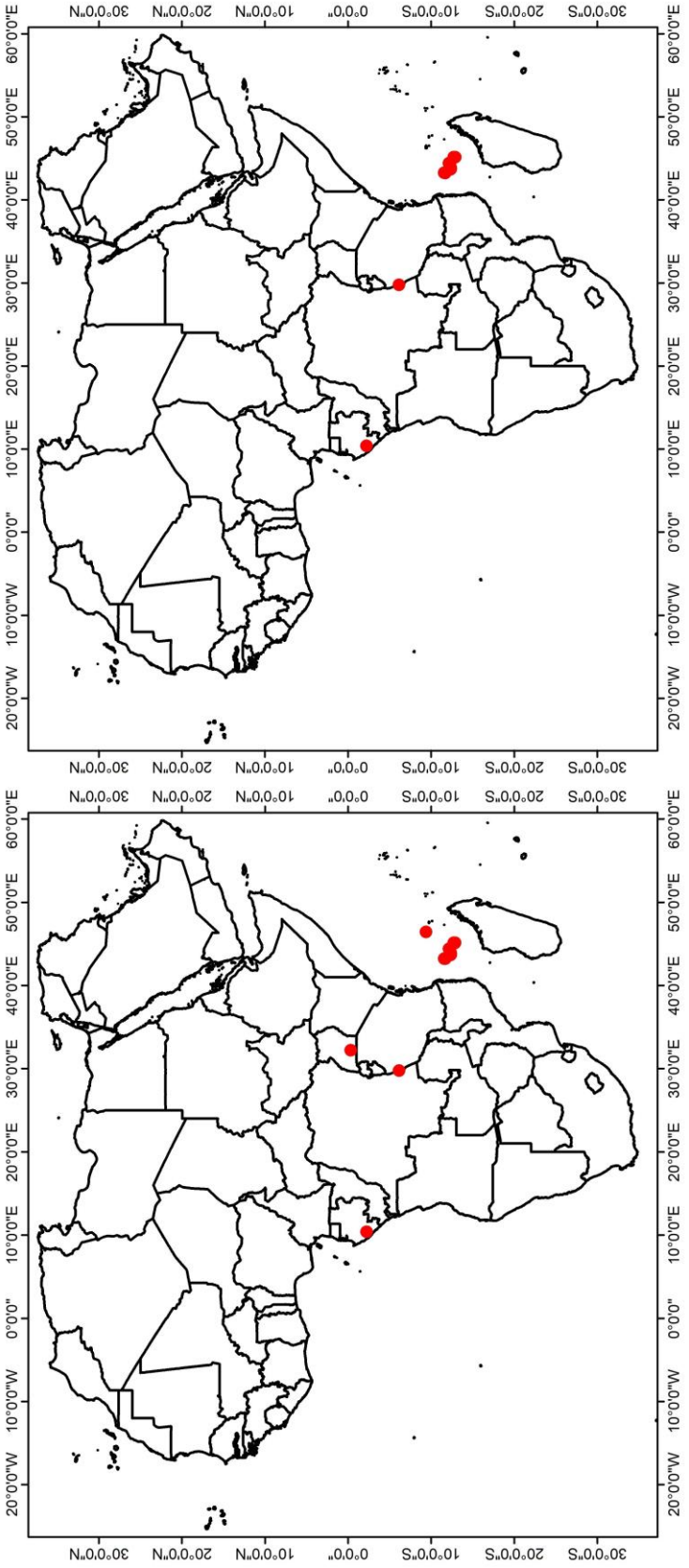

Distribution maps for *Chaerephon pusillus* (Miller, 1902)
(left: all voucher specimens; right: voucher specimens collected since 1998).

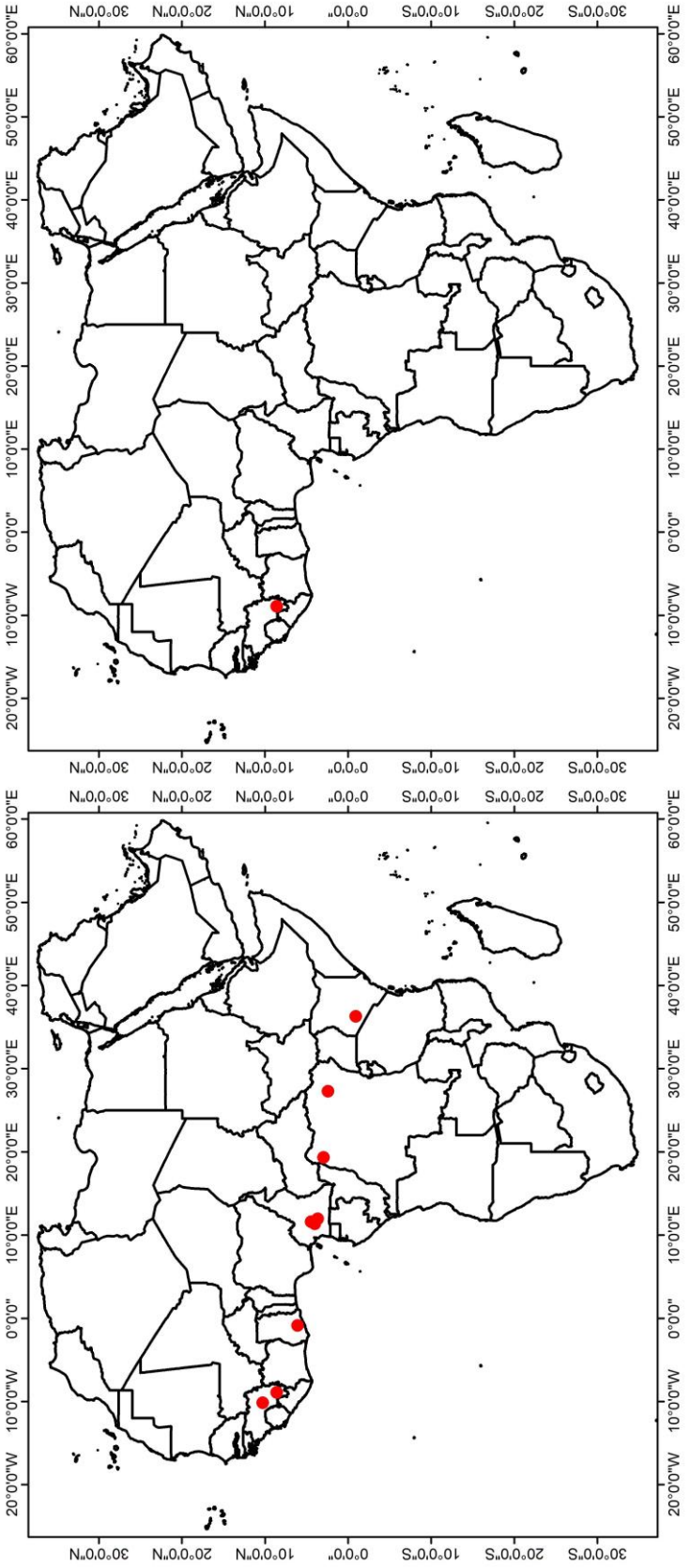

Distribution maps for *Chaerephon russatus* J.A. Allen, 1917
(left: all voucher specimens; right: voucher specimens collected since 1998).

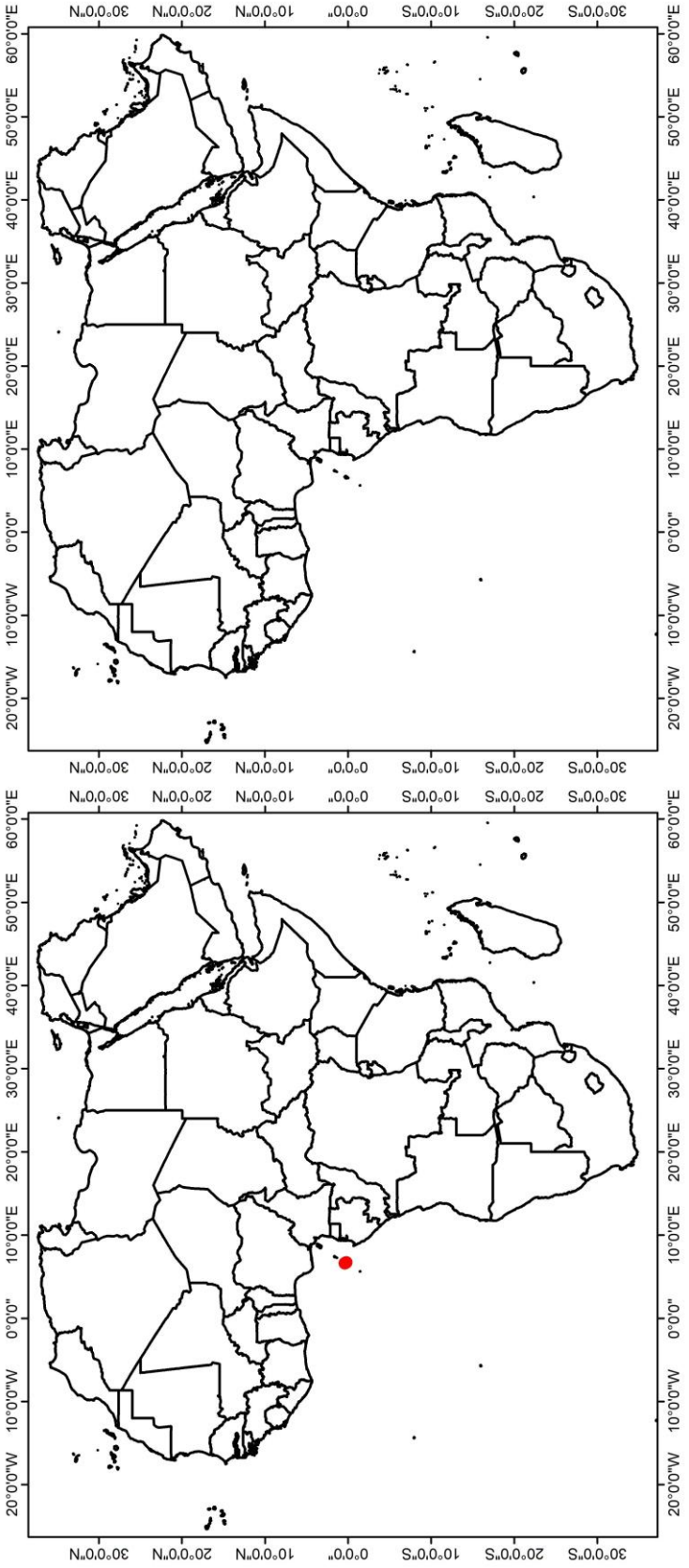

Distribution maps for *Chaerephon tomensis* (Juste and Ibáñez, 1993)
(left: all voucher specimens; right: voucher specimens collected since 1998).

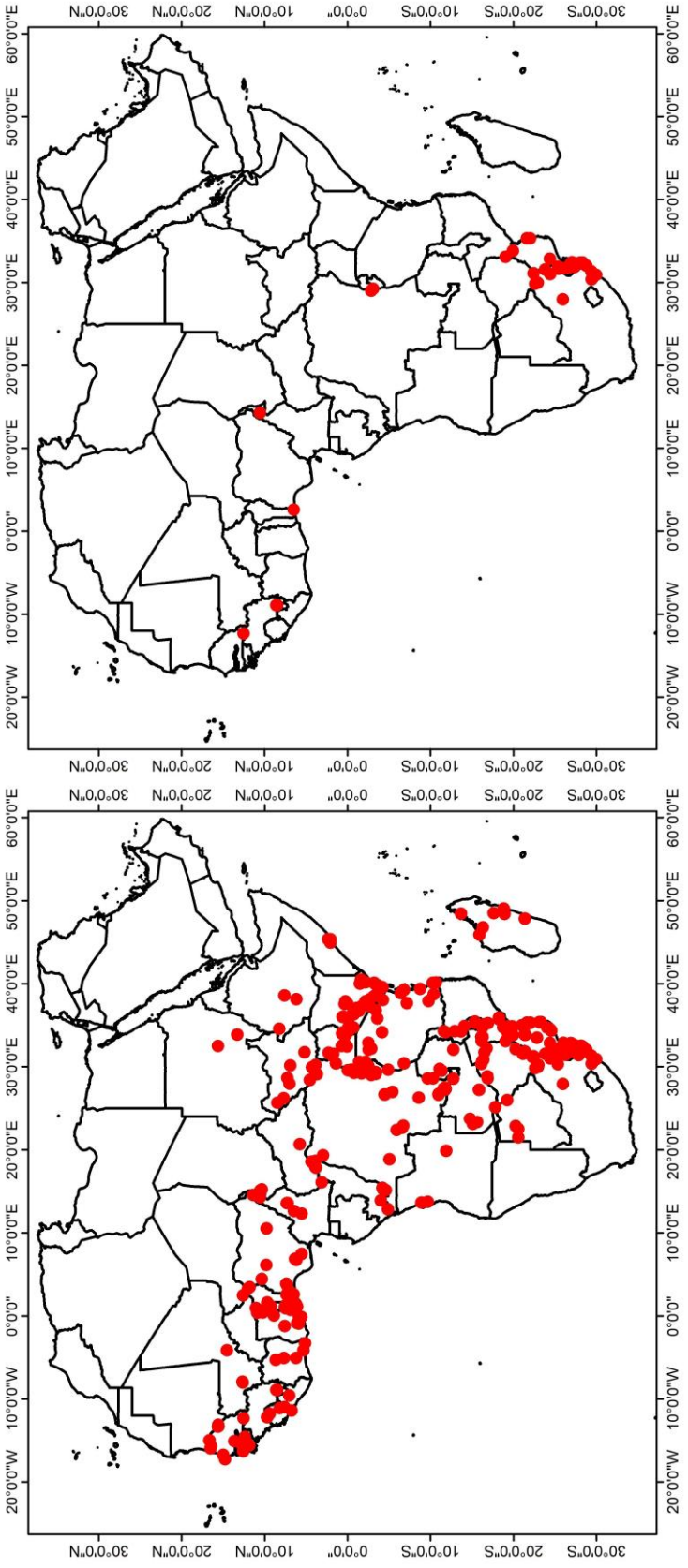

Distribution maps for *Mops (Mops) condylurus* (A. Smith, 1833)
(left: all voucher specimens; right: voucher specimens collected since 1998).

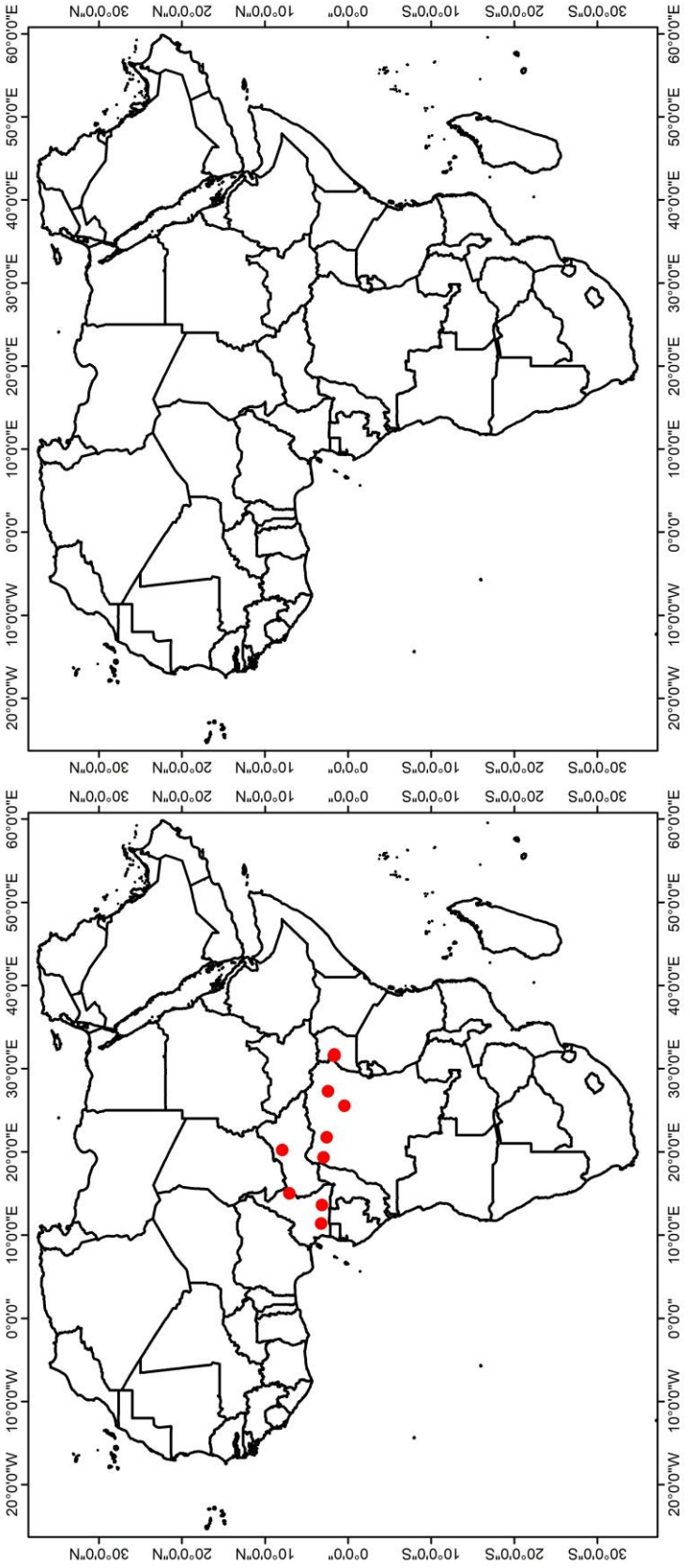

Distribution maps for *Mops (Mops) congicus* J.A. Allen, 1917
(left: all voucher specimens; right: voucher specimens collected since 1998).

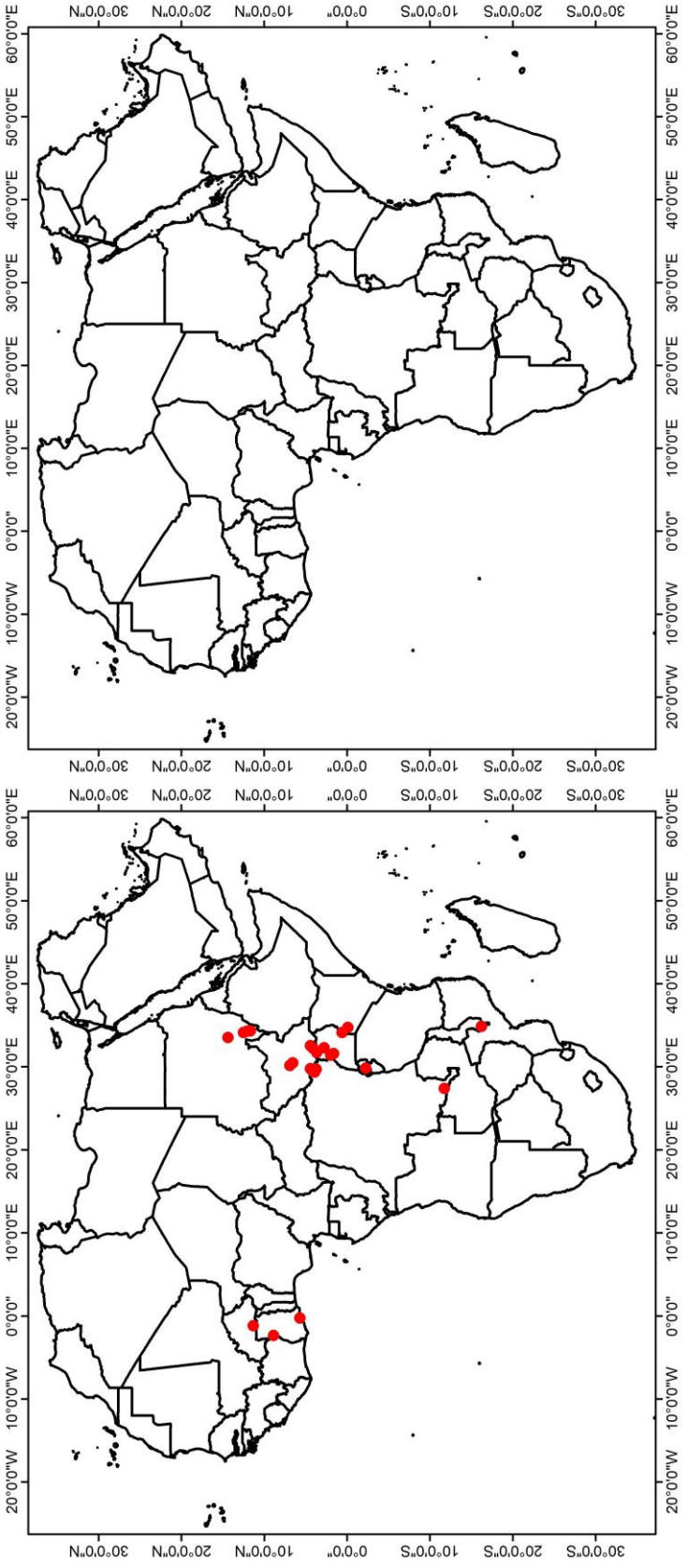

Distribution maps for *Mops (Mops) demonstrator* (Thomas, 1903)
(left: all voucher specimens; right: voucher specimens collected since 1998).

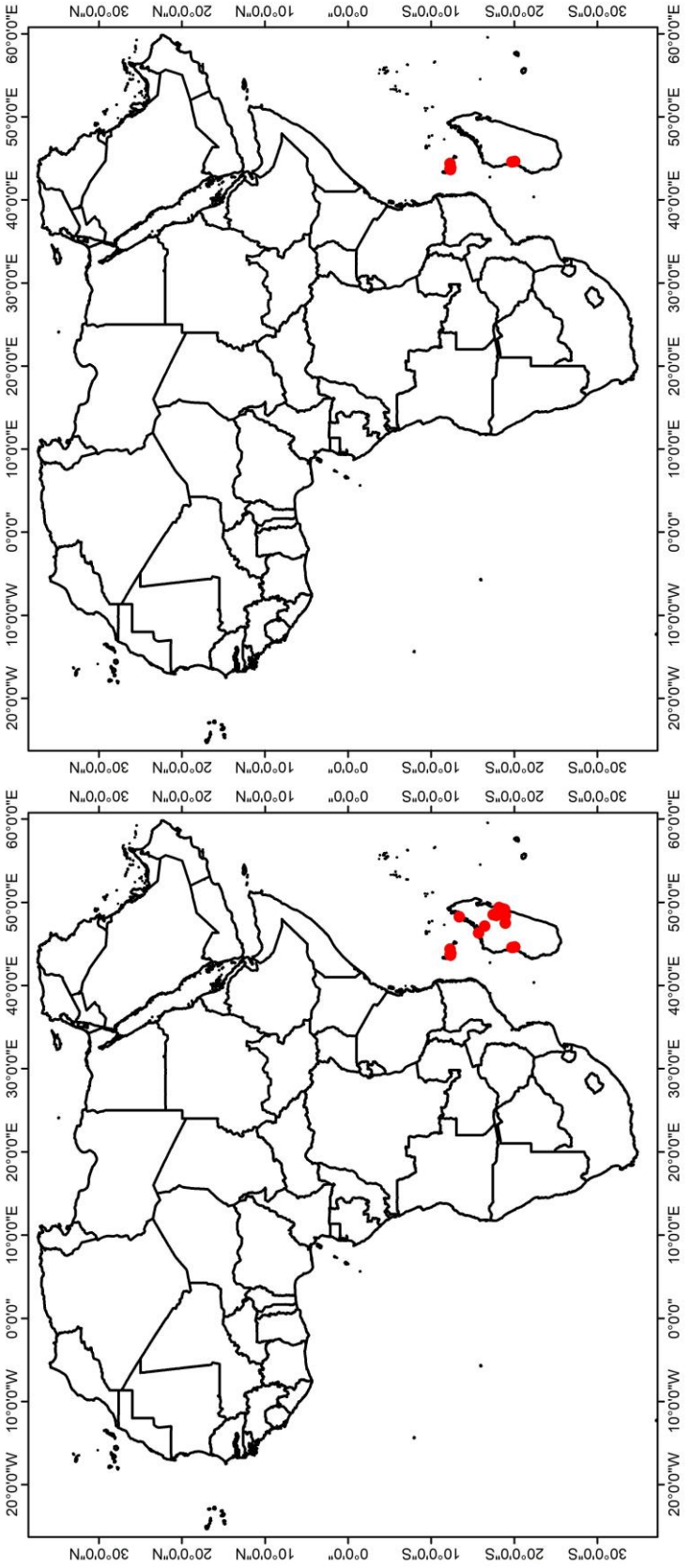

Distribution maps for *Mops (Mops) leucostigma* (G.M. Allen, 1918)
(left: all voucher specimens; right: voucher specimens collected since 1998).

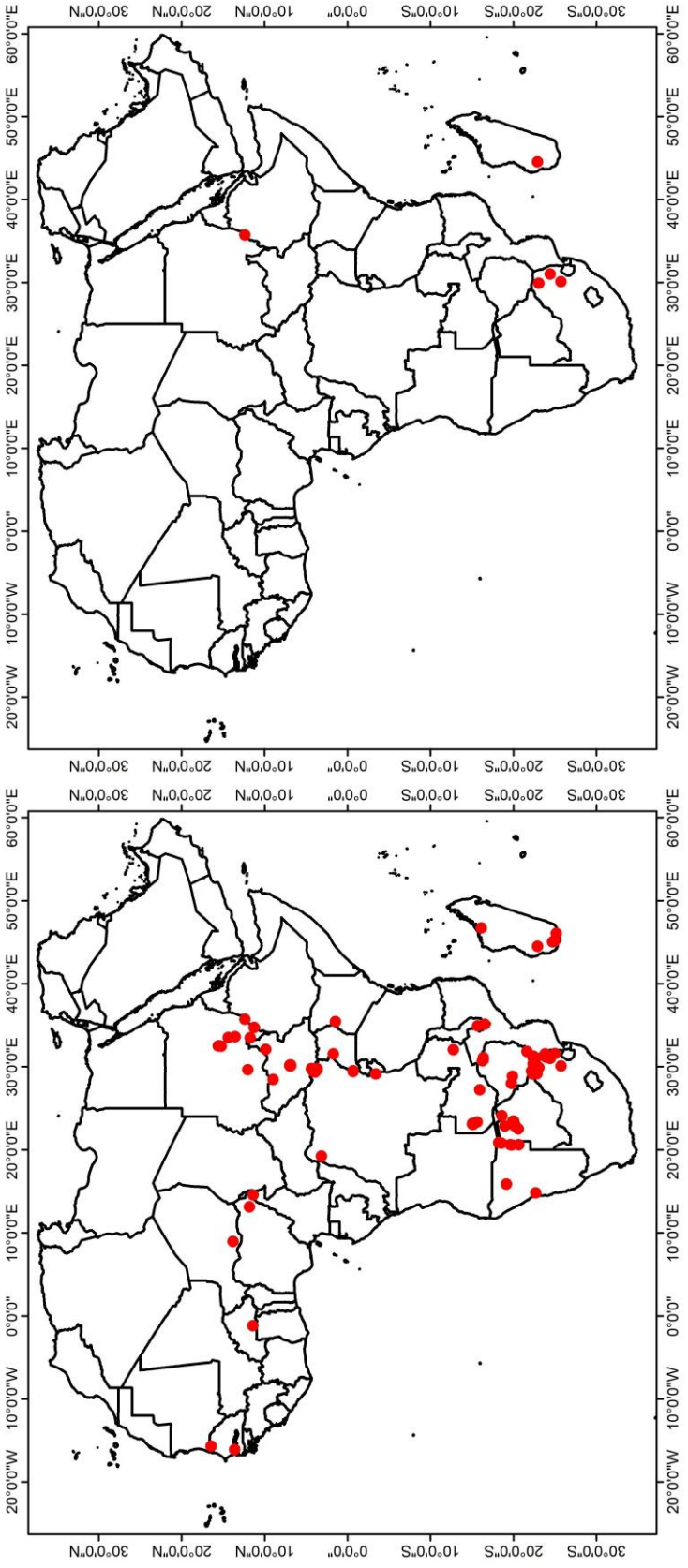

Distribution maps for *Mops (Mops) midas* (Sundevall, 1843)
(left: all voucher specimens; right: voucher specimens collected since 1998).

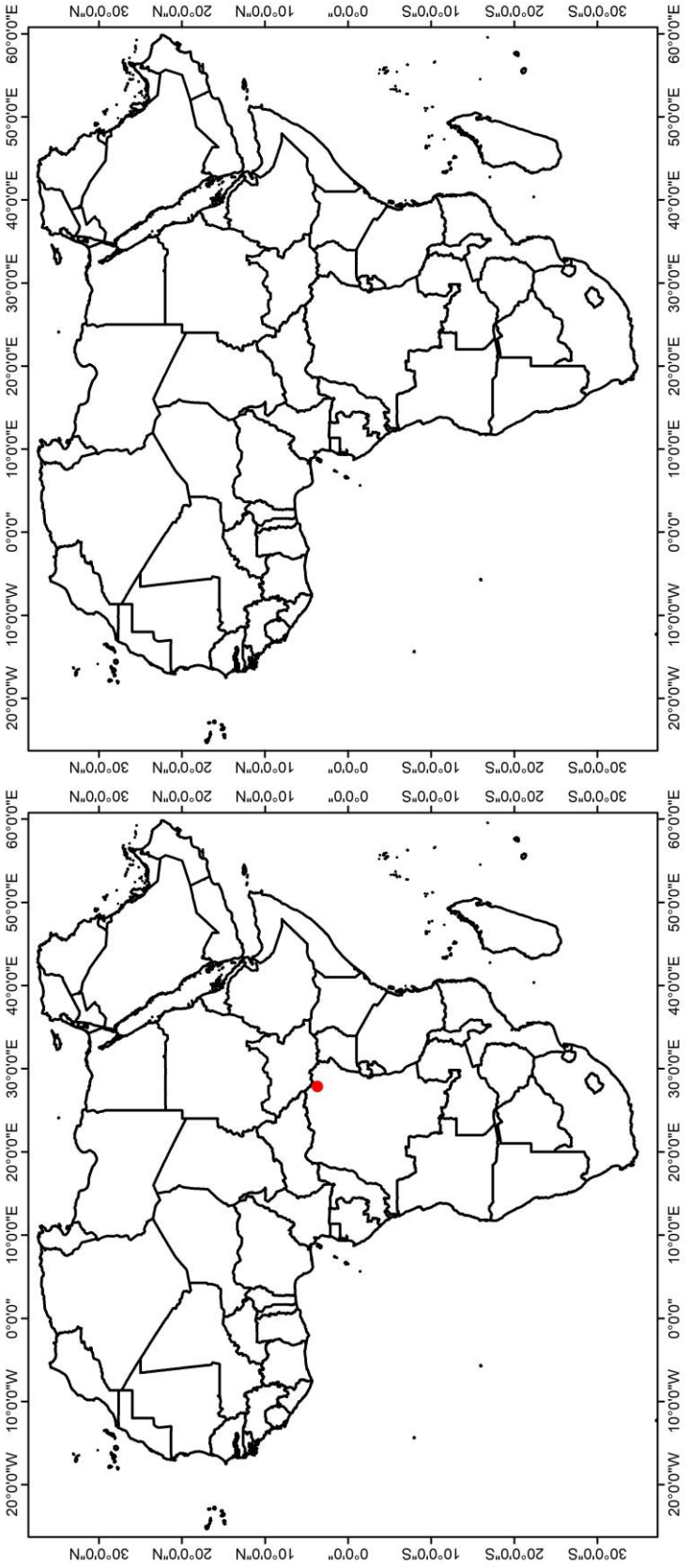

Distribution maps for *Mops (Mops) niangarae* J.A. Allen, 1917
(left: all voucher specimens; right: voucher specimens collected since 1998).

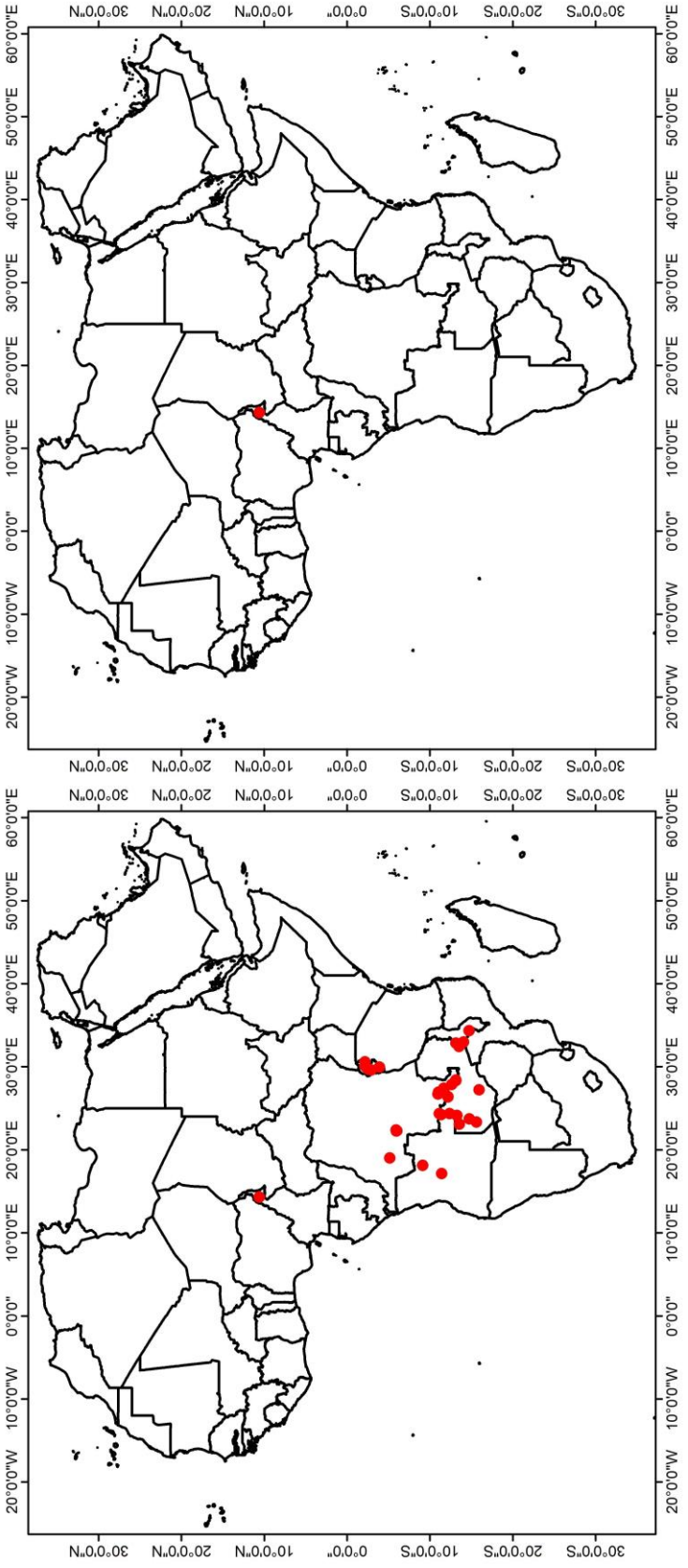

Distribution maps for *Mops (Mops) niveiventer* Cabrera and Ruxton, 1926 (left: all voucher specimens; right: voucher specimens collected since 1998).

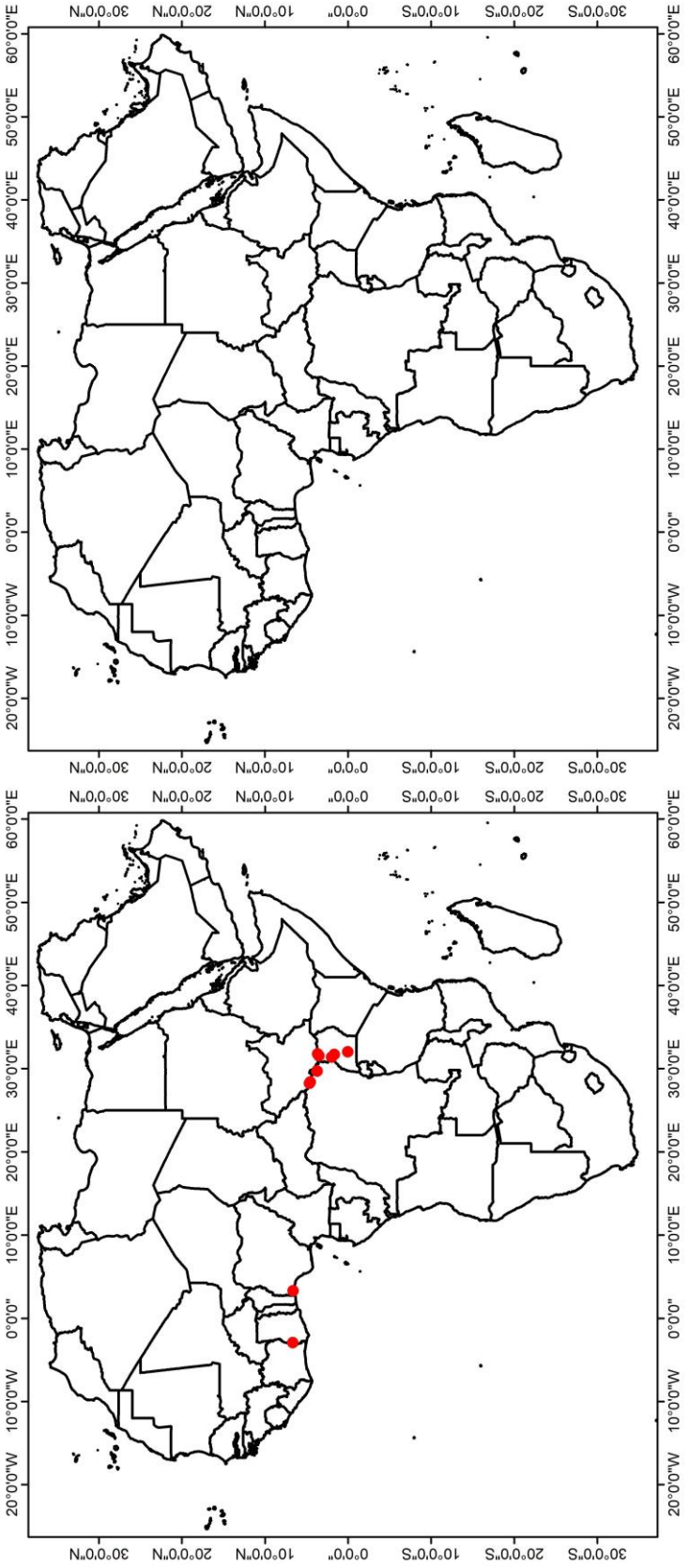

Distribution maps for *Mops (Mops) trevori* J.A. Allen, 1917
(left: all voucher specimens; right: voucher specimens collected since 1998).

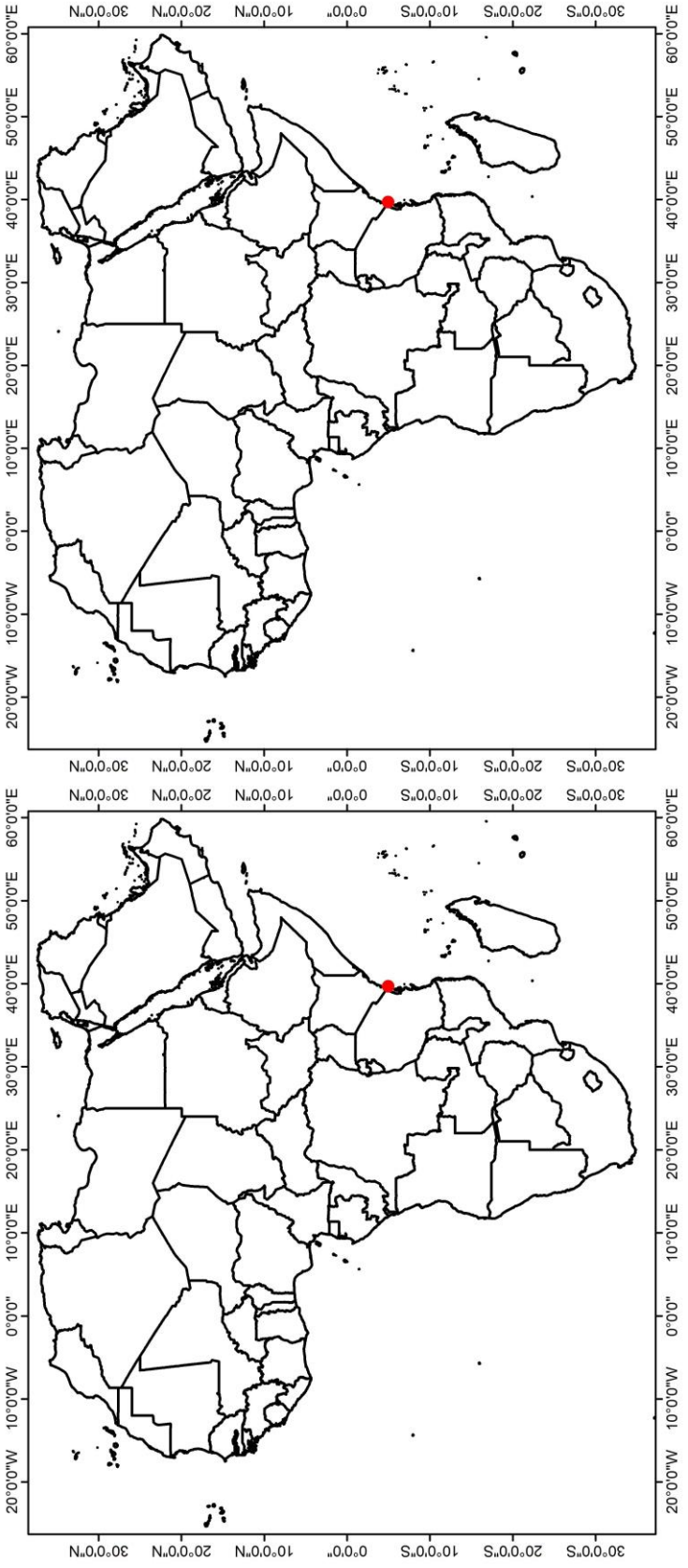

Distribution maps for *Mops (Xiphonycteris) bakarii* Stanley, 2009
(left: all voucher specimens; right: voucher specimens collected since 1998).

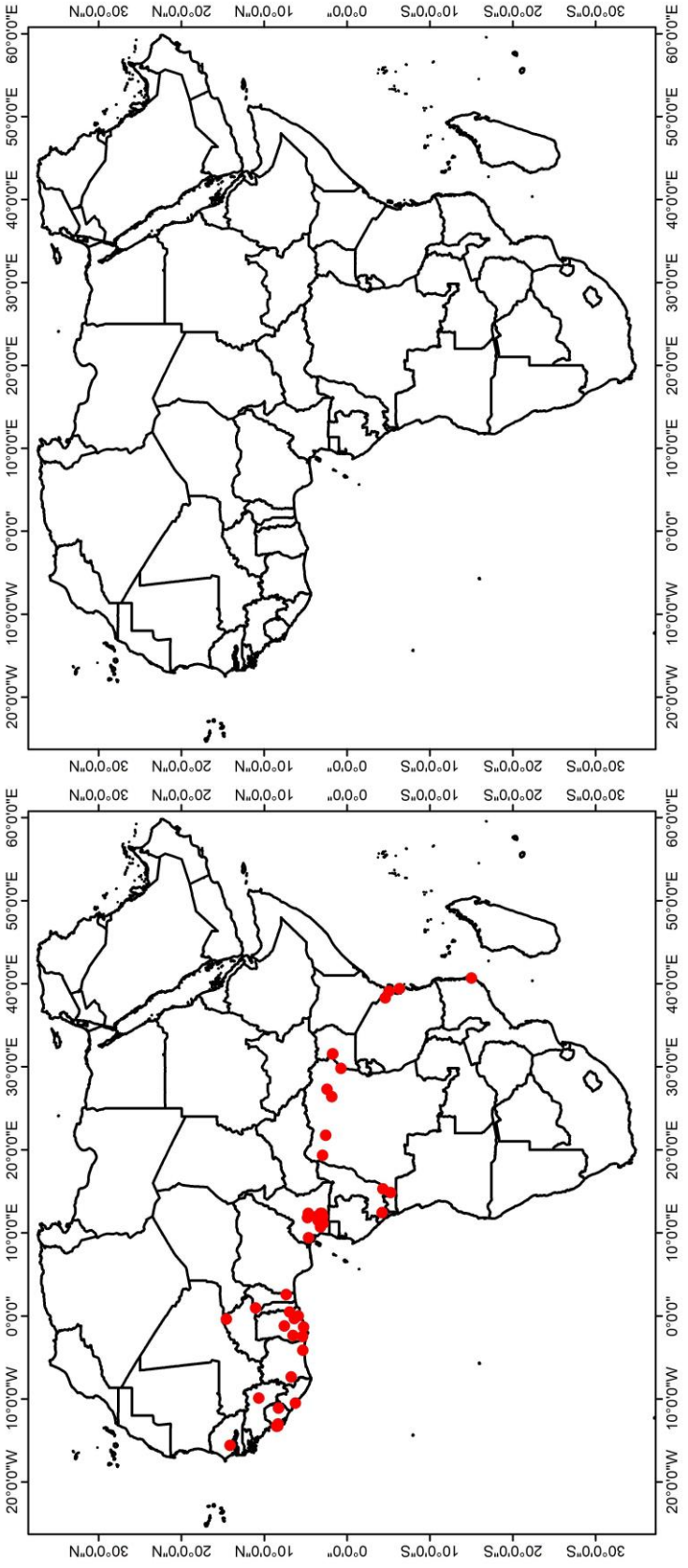

Distribution maps for *Mops (Xiphonycteris) brachypterus* (Peters, 1852)
(left: all voucher specimens; right: voucher specimens collected since 1998).

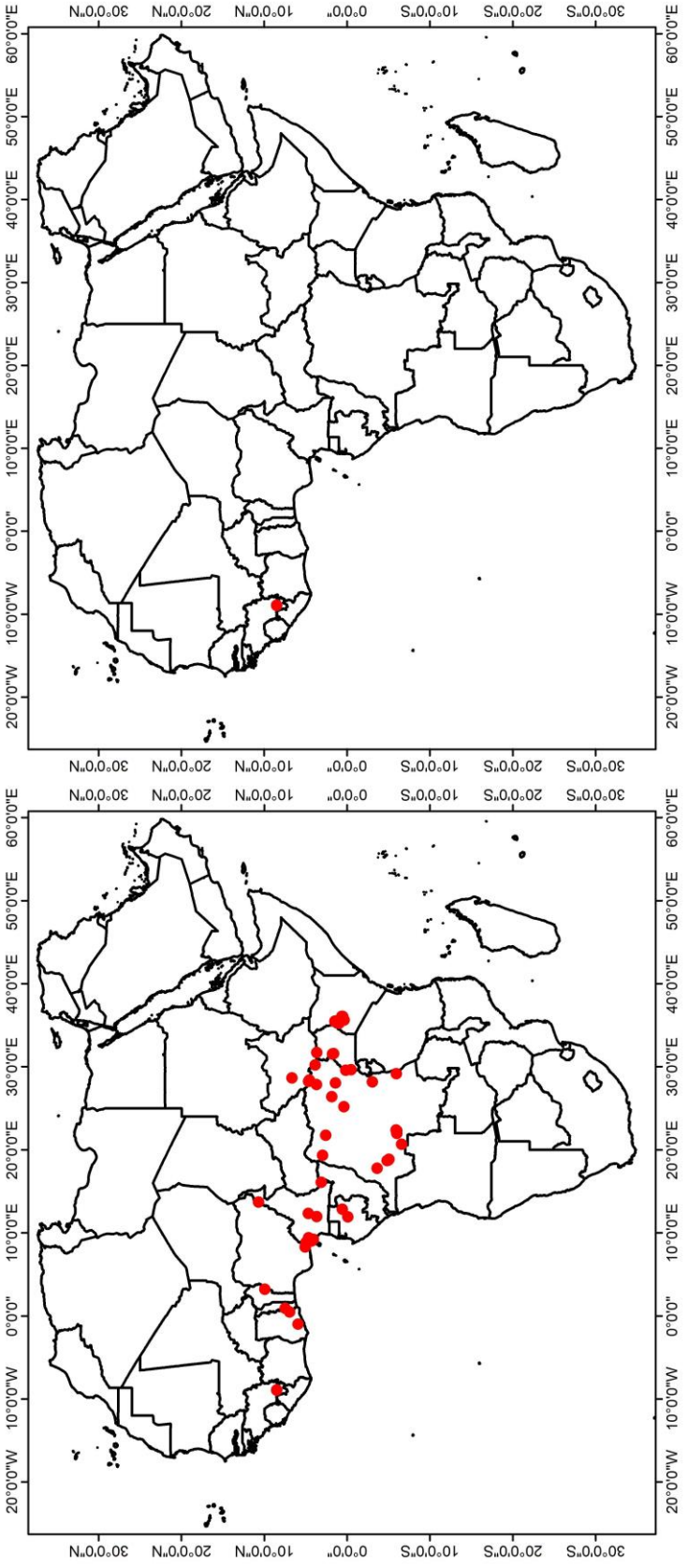

Distribution maps for *Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
(left: all voucher specimens; right: voucher specimens collected since 1998).

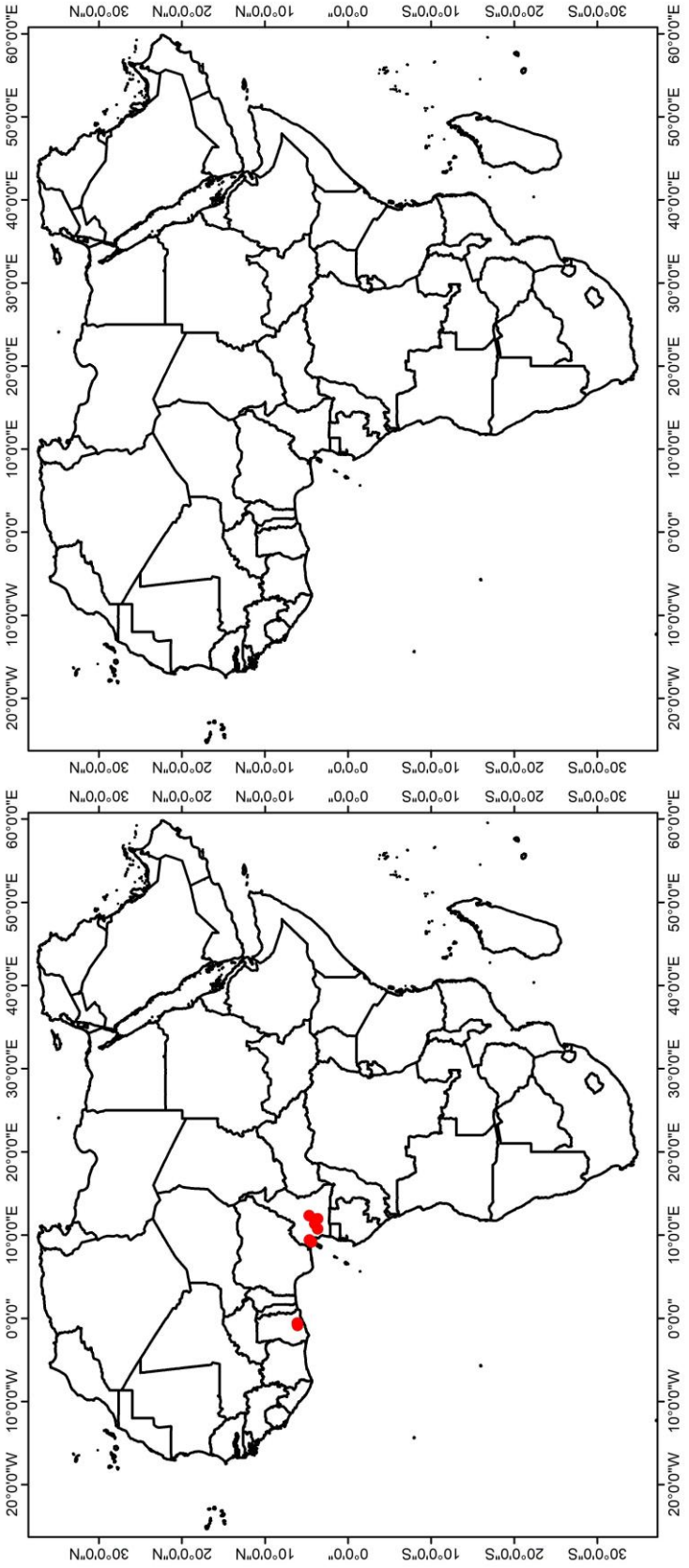

Distribution maps for *Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
(left: all voucher specimens; right: voucher specimens collected since 1998).

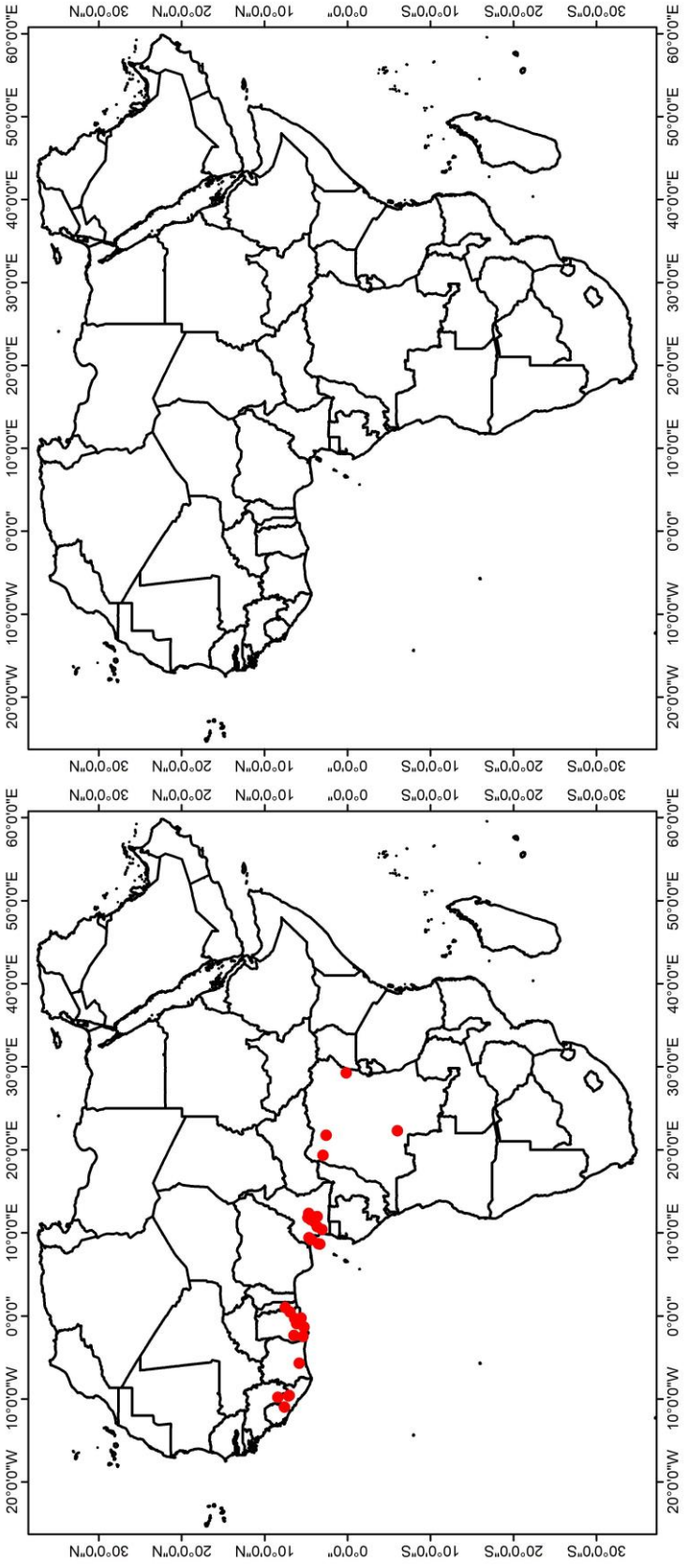

Distribution maps for *Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
(left: all voucher specimens; right: voucher specimens collected since 1998).

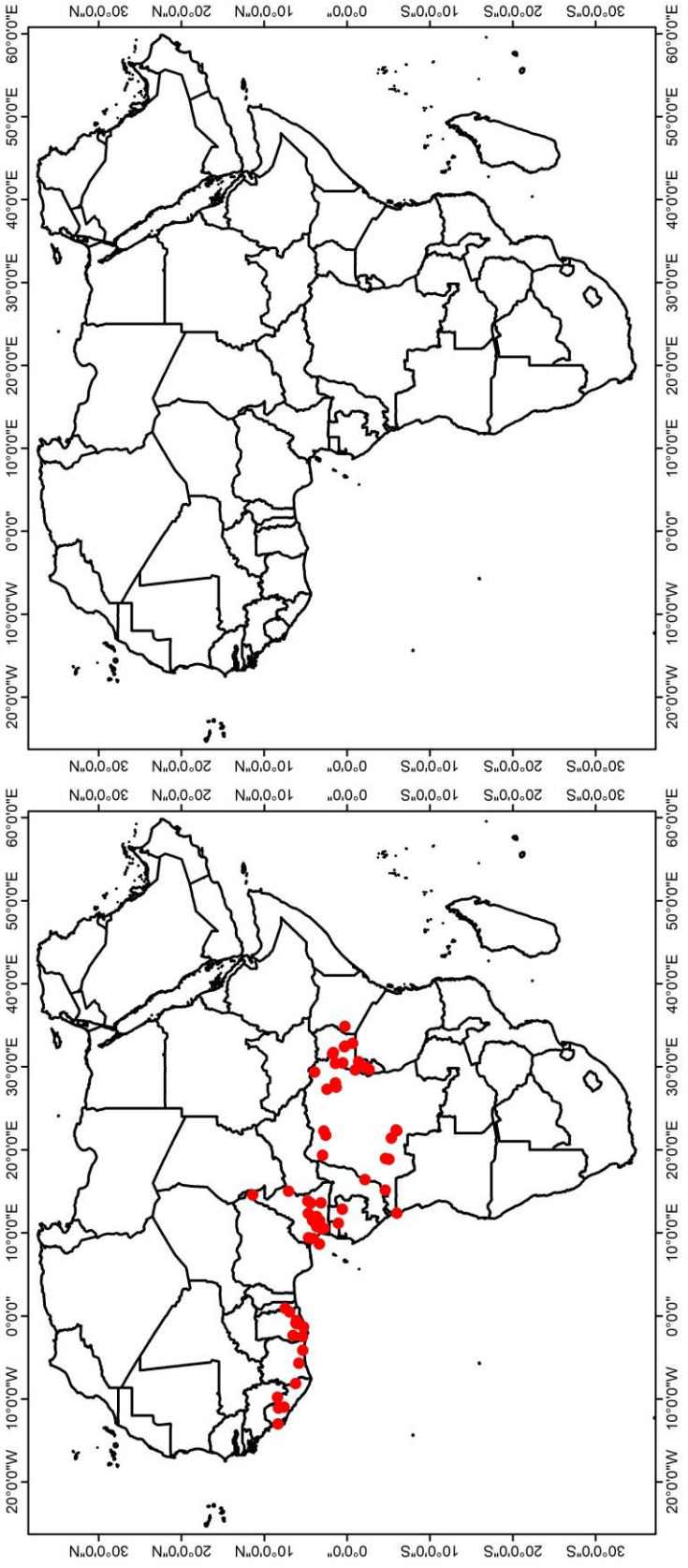

Distribution maps for *Mops (Xiphonycteris) thersites* (Thomas, 1903)
(left: all voucher specimens; right: voucher specimens collected since 1998).

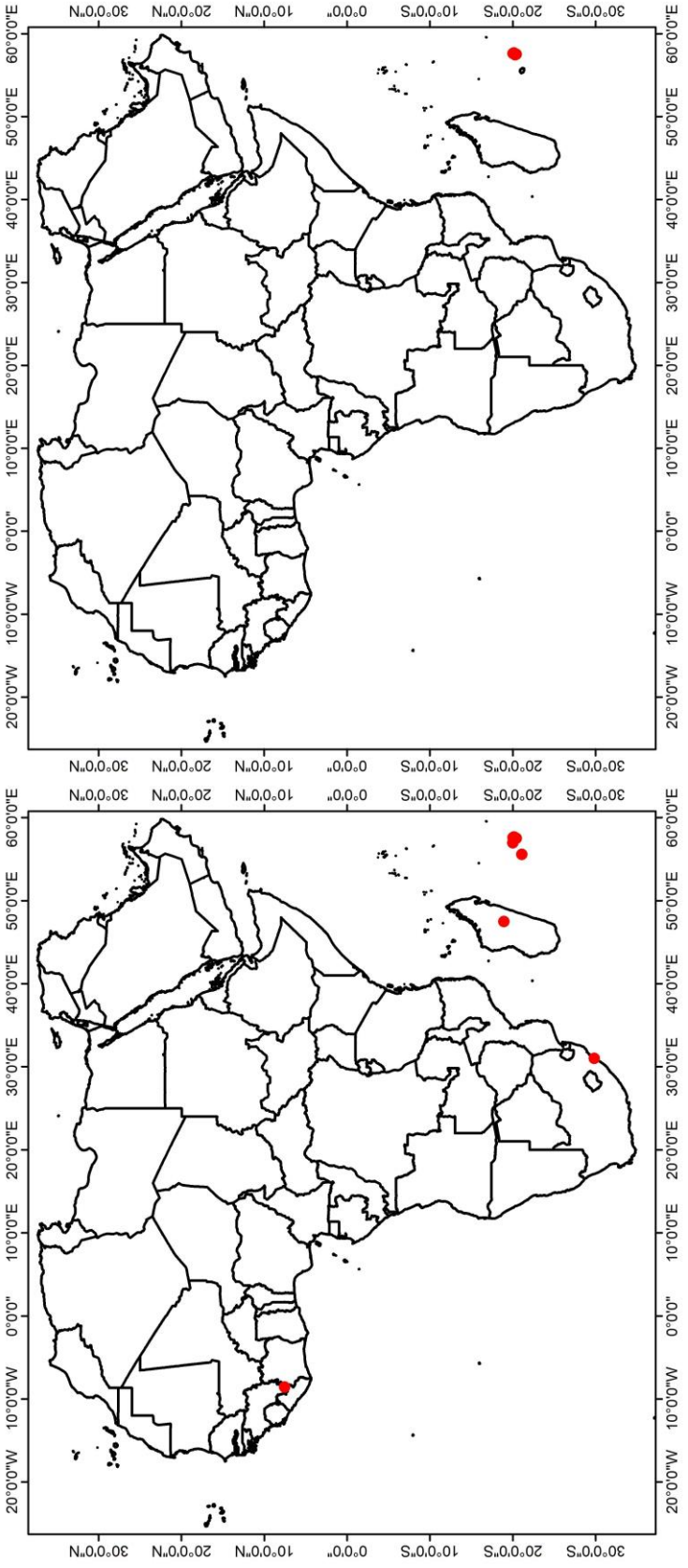

Distribution maps for *Mormopterus acetabulosus* (Hermann, 1804)
(left: all voucher specimens; right: voucher specimens collected since 1998).

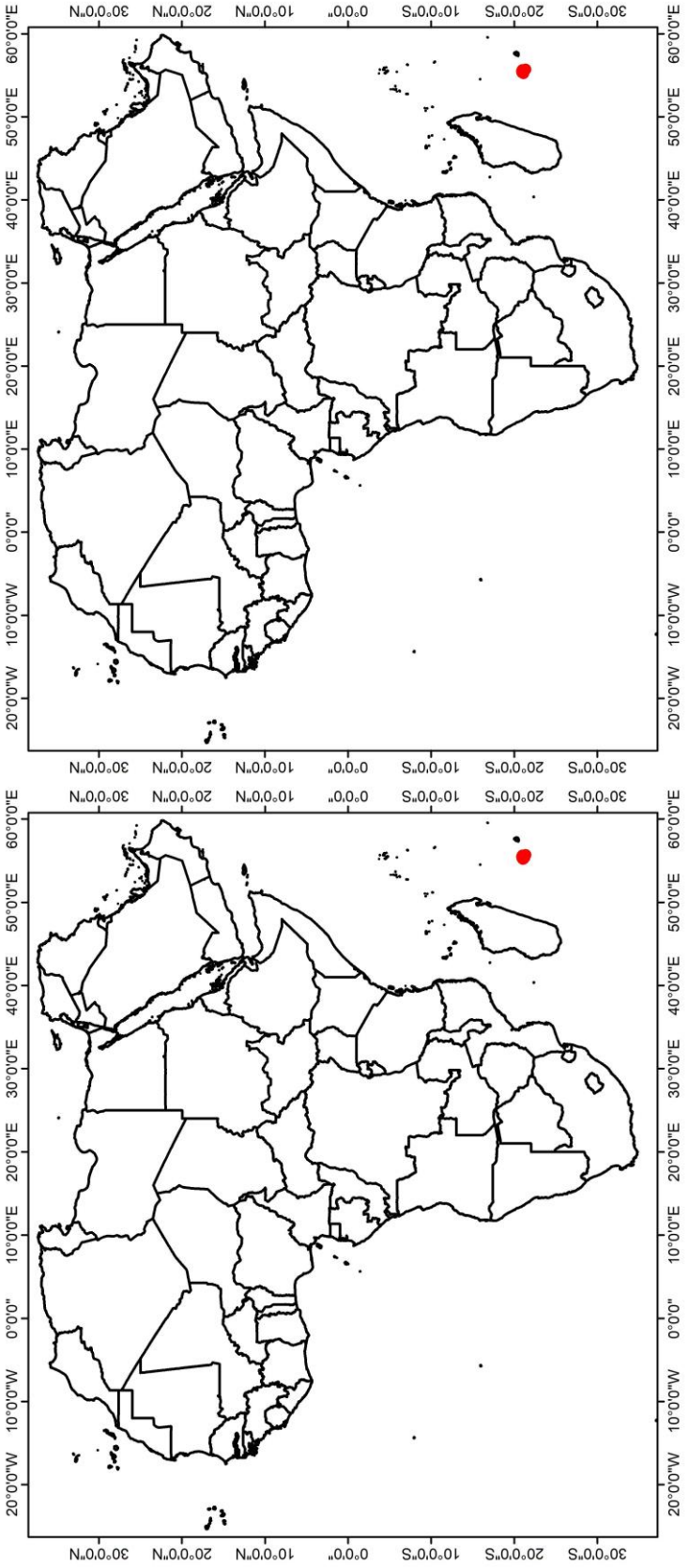

Distribution maps for *Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
(left: all voucher specimens; right: voucher specimens collected since 1998).

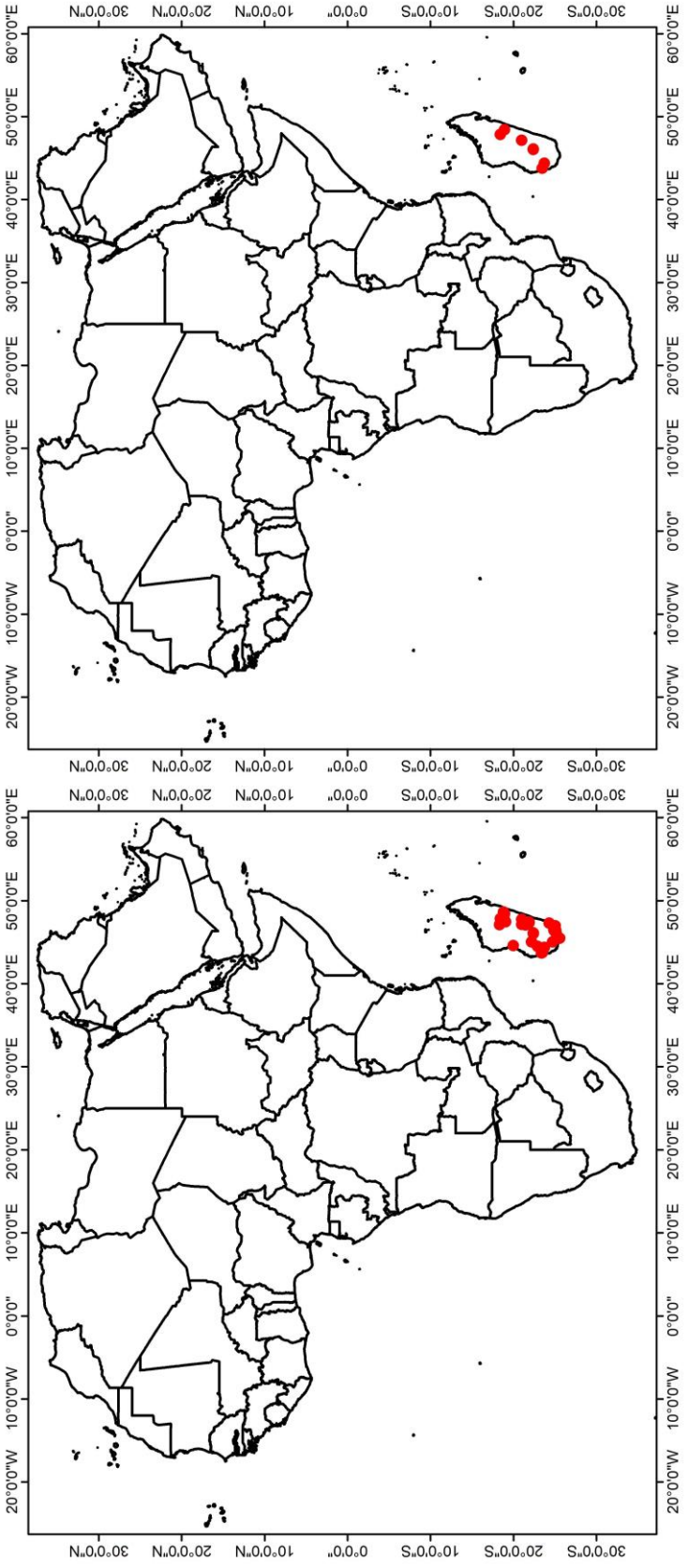

Distribution maps for *Mormopterus jugularis* (Peters, 1865)
(left: all voucher specimens; right: voucher specimens collected since 1998).

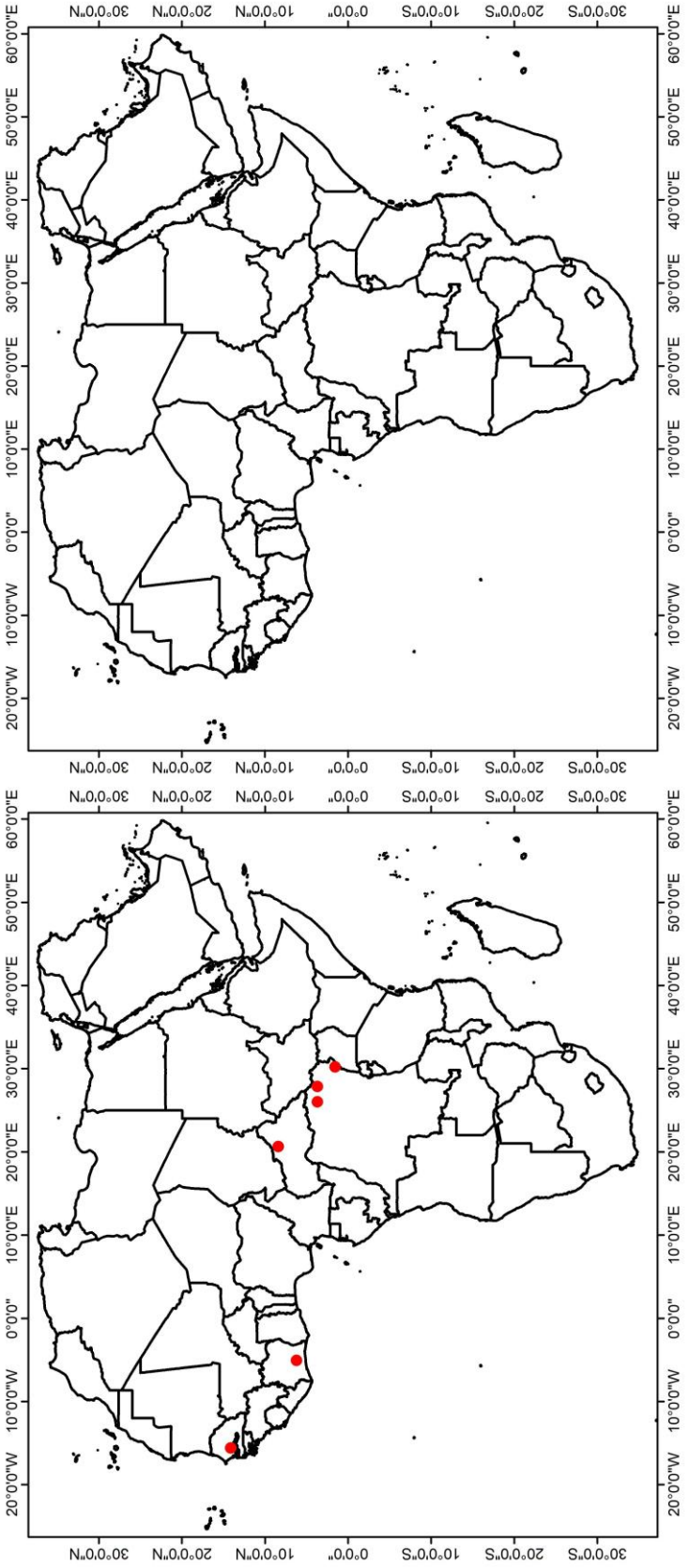

Distribution maps for *Myopterus daubentonii* Desmarest, 1820
(left: all voucher specimens; right: voucher specimens collected since 1998).

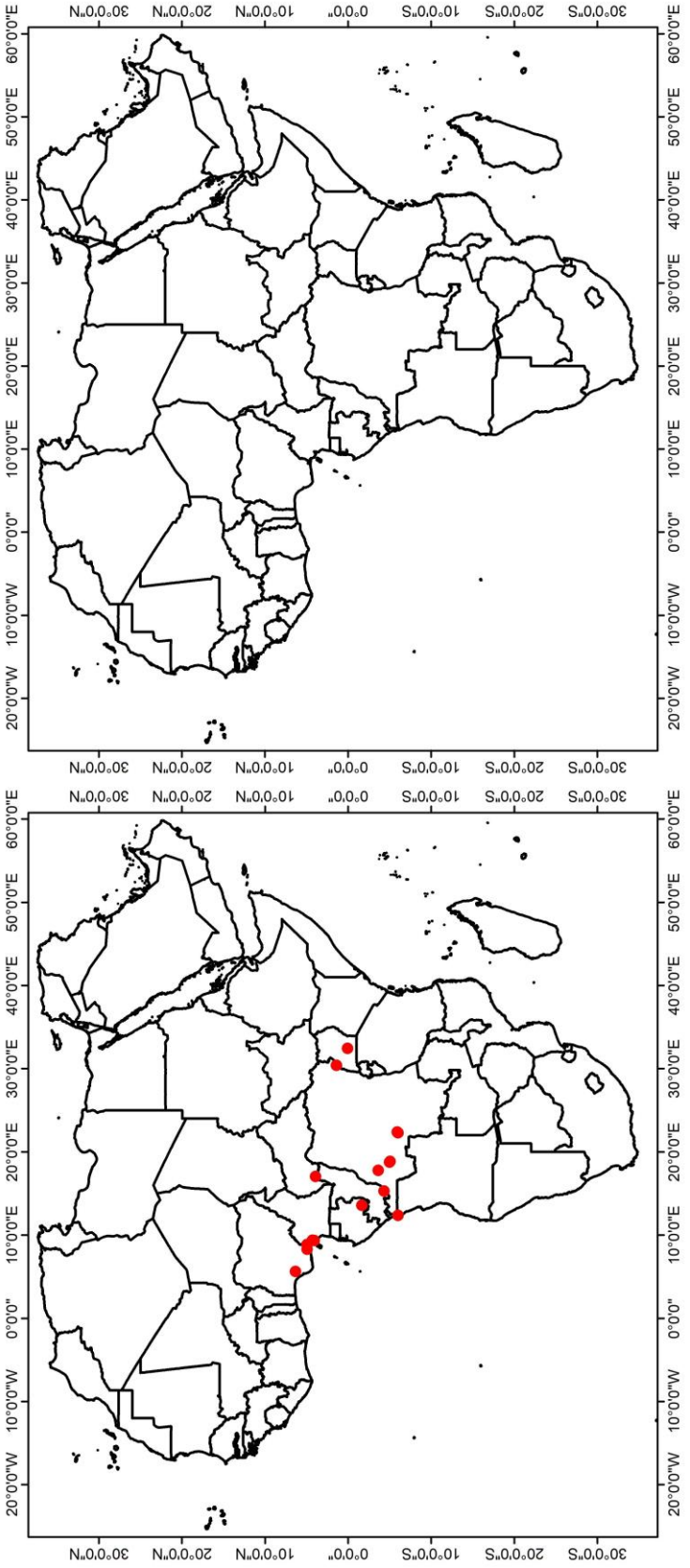

Distribution maps for *Myopterus whitleyi* (Scharff, 1900)
(left: all voucher specimens; right: voucher specimens collected since 1998).

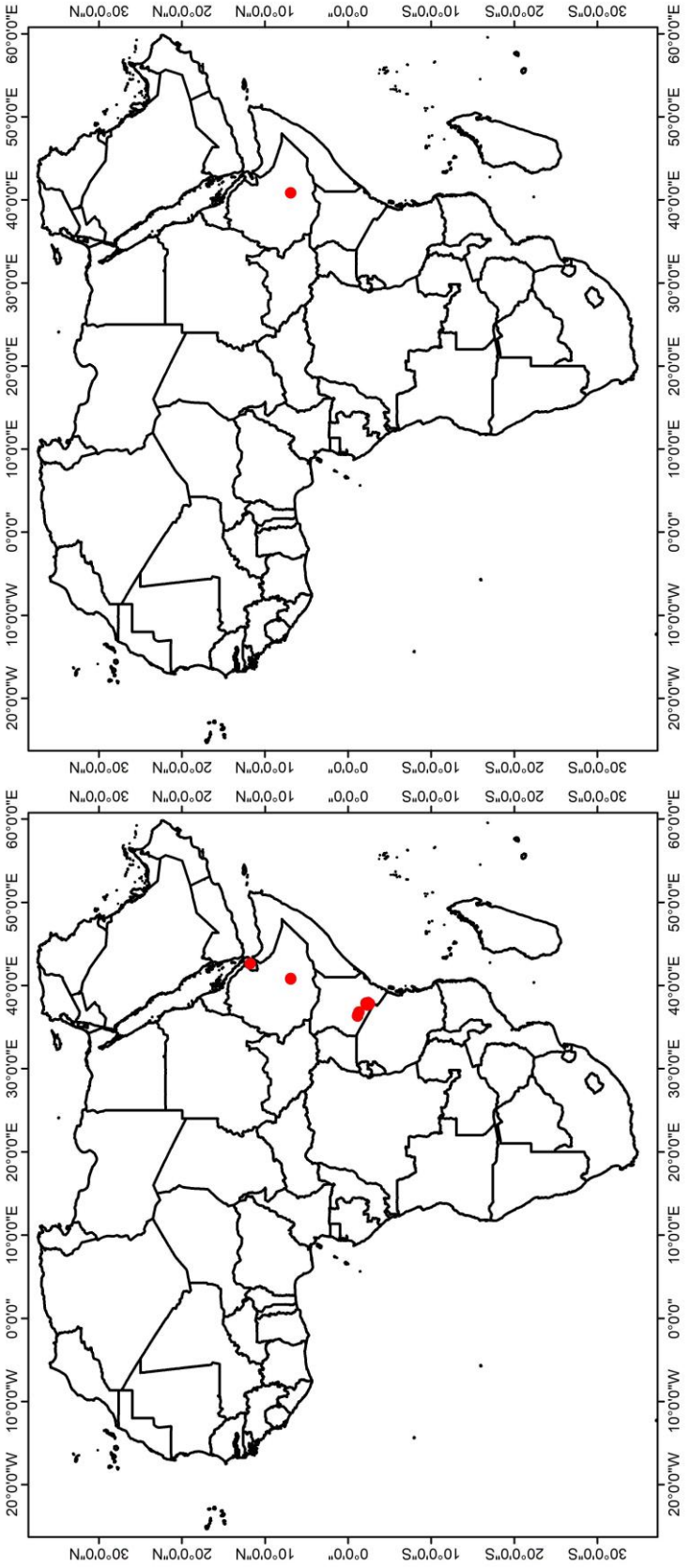

Distribution maps for *Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015
(left: all voucher specimens; right: voucher specimens collected since 1998).

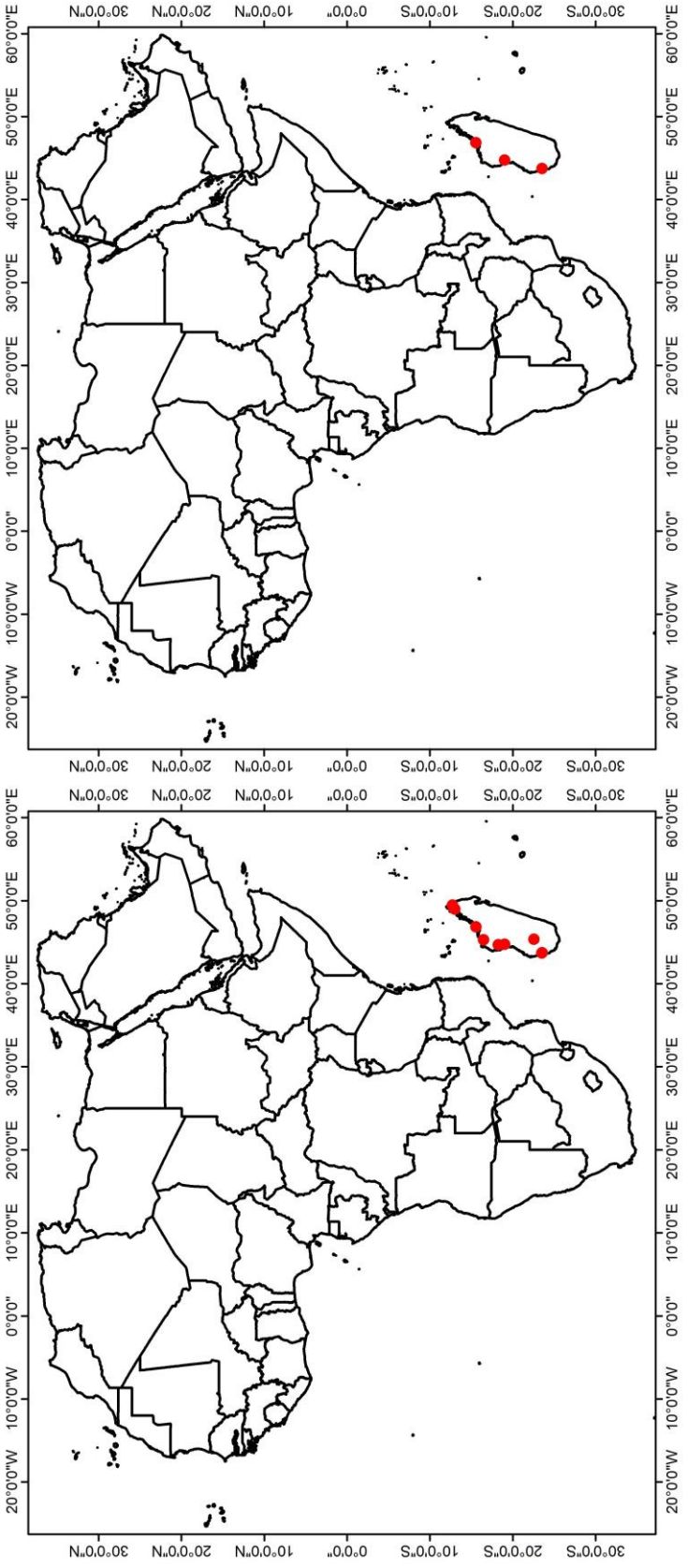

Distribution maps for *Otomops madagascariensis* Dorst, 1953
(left: all voucher specimens; right: voucher specimens collected since 1998).

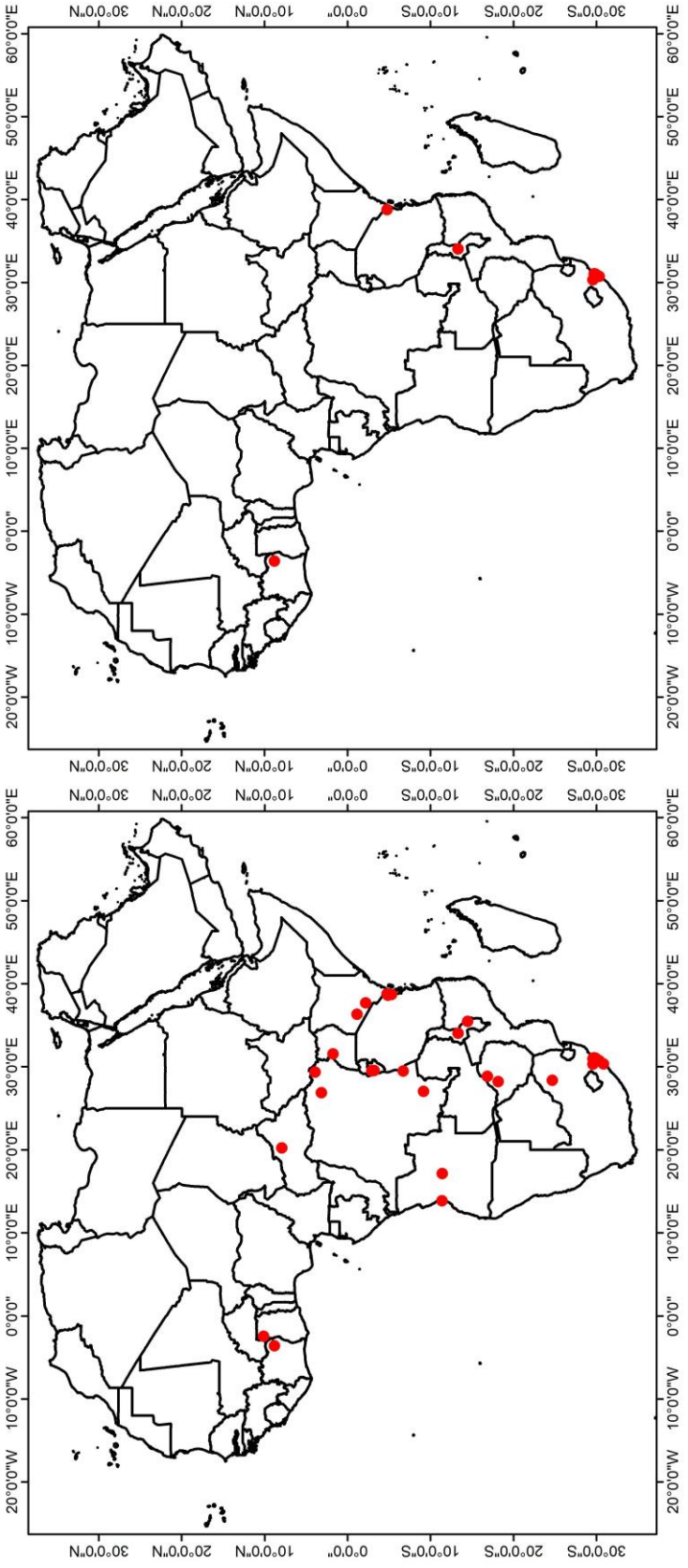

Distribution maps for *Otomops martiensseni* (Matschie, 1897)
(left: all voucher specimens; right: voucher specimens collected since 1998).

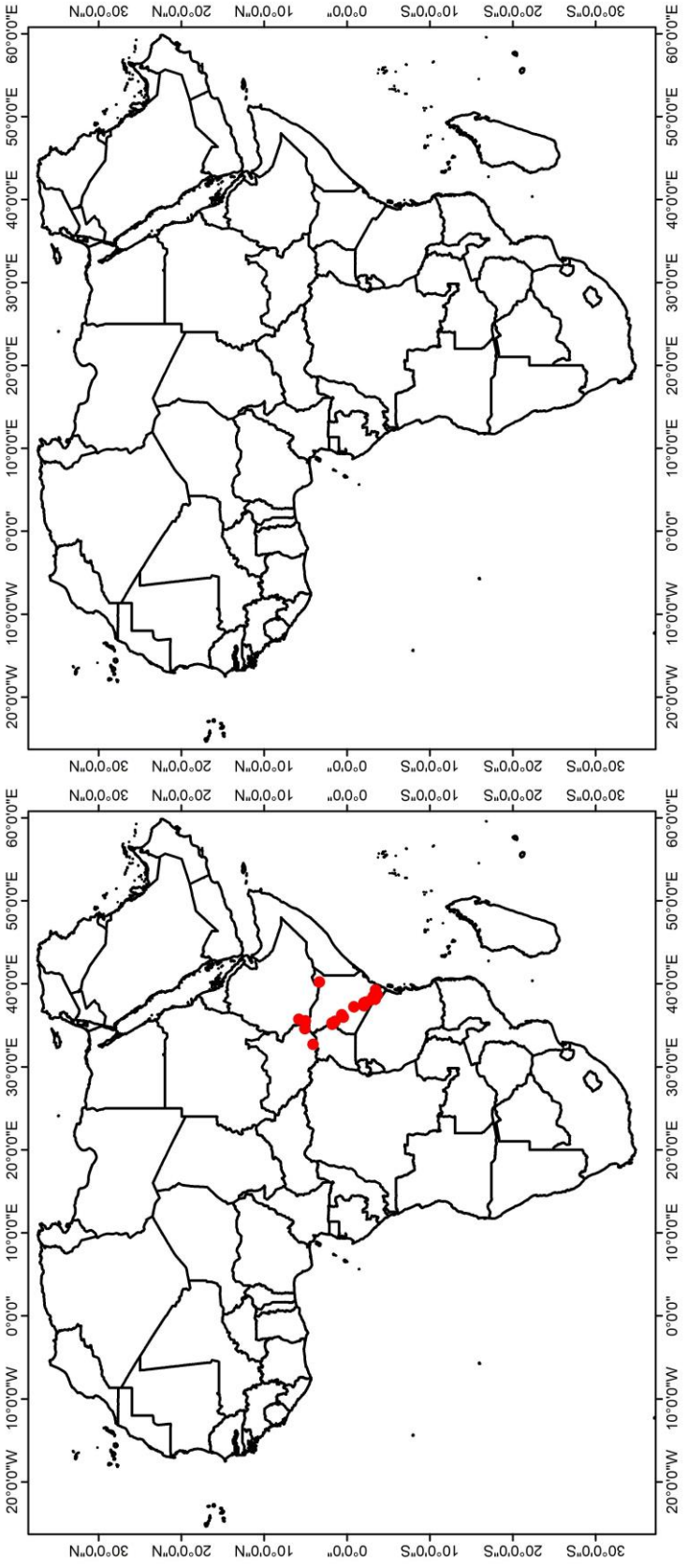

Distribution maps for *Platymops setiger* (Peters, 1878)
(left: all voucher specimens; right: voucher specimens collected since 1998).

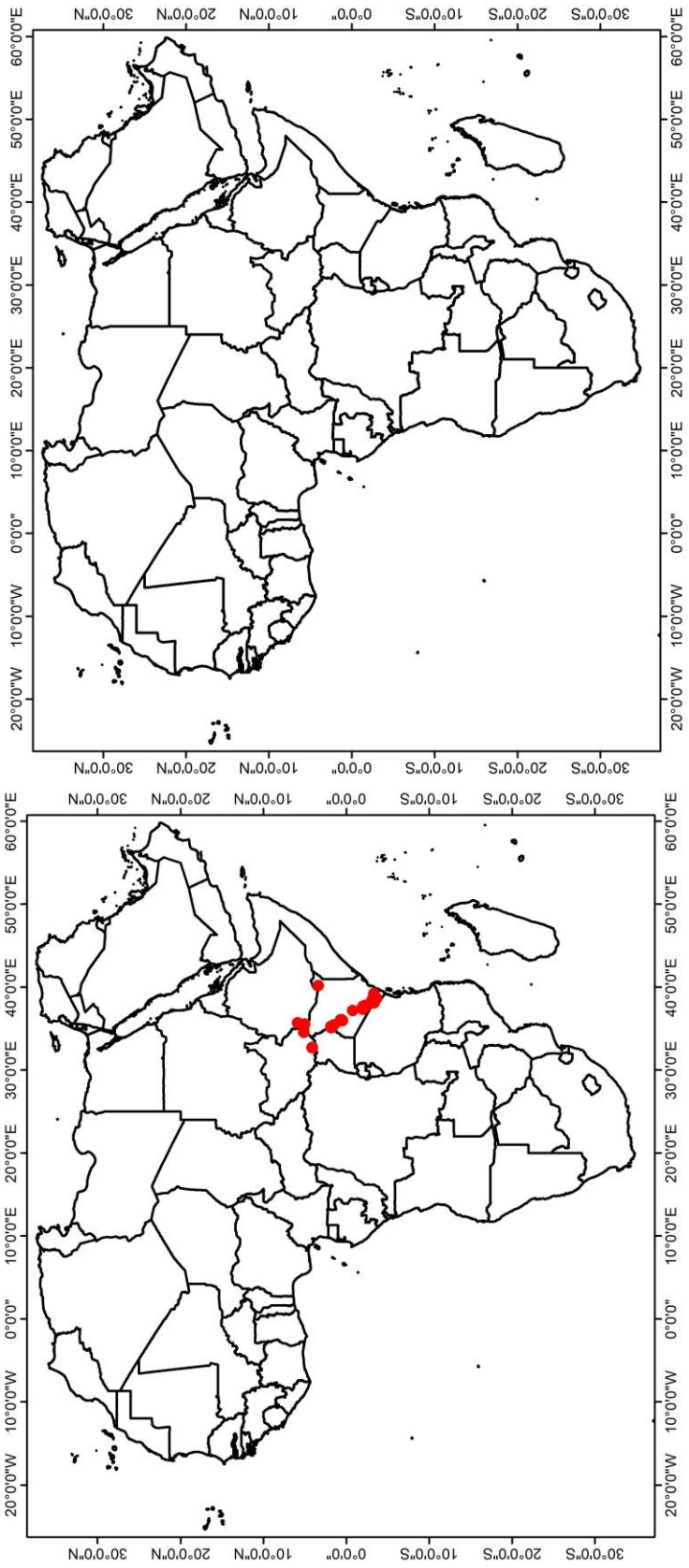

Distribution maps for *Platymops setiger setiger* (Peters, 1878)
(left: all voucher specimens; right: voucher specimens collected since 1998).

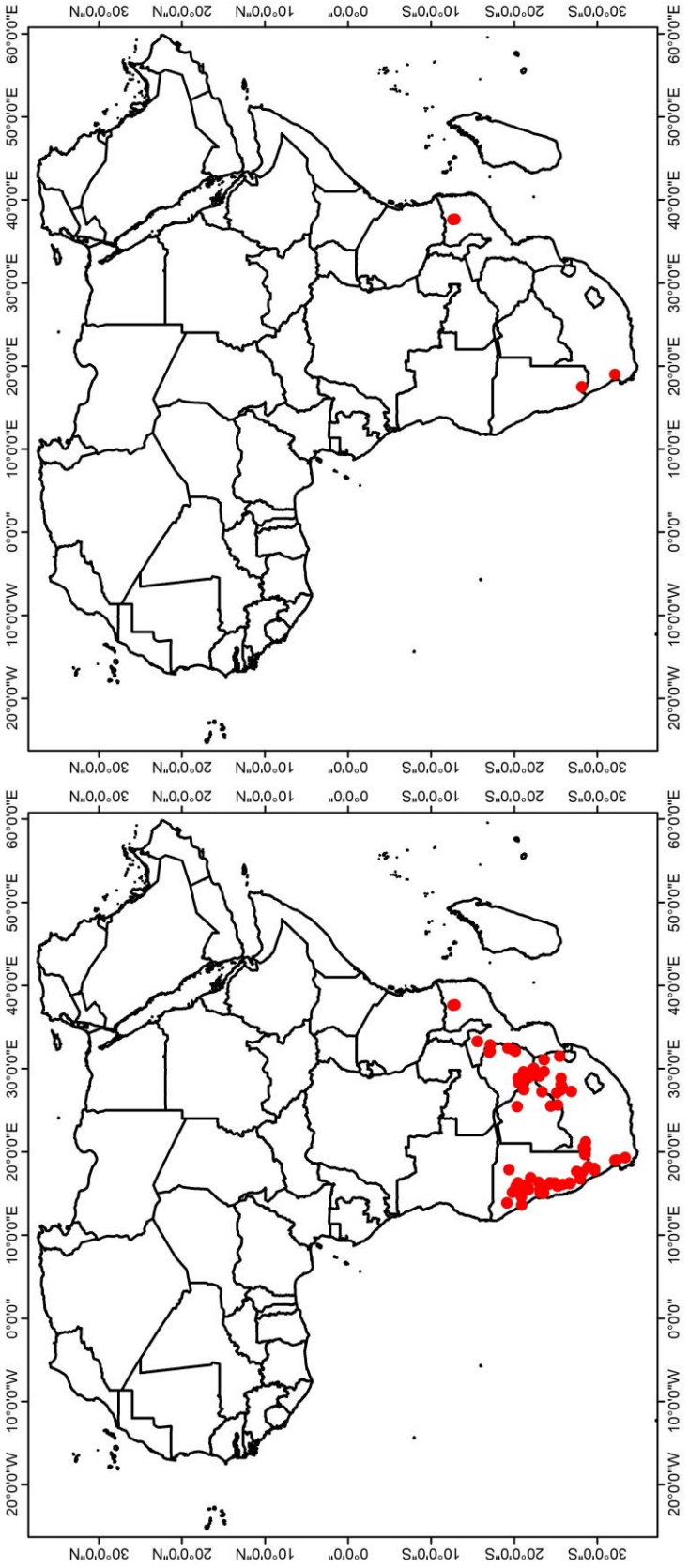

Distribution maps for *Sauromys petrophilus* (Roberts, 1917)
(left: all voucher specimens; right: voucher specimens collected since 1998).

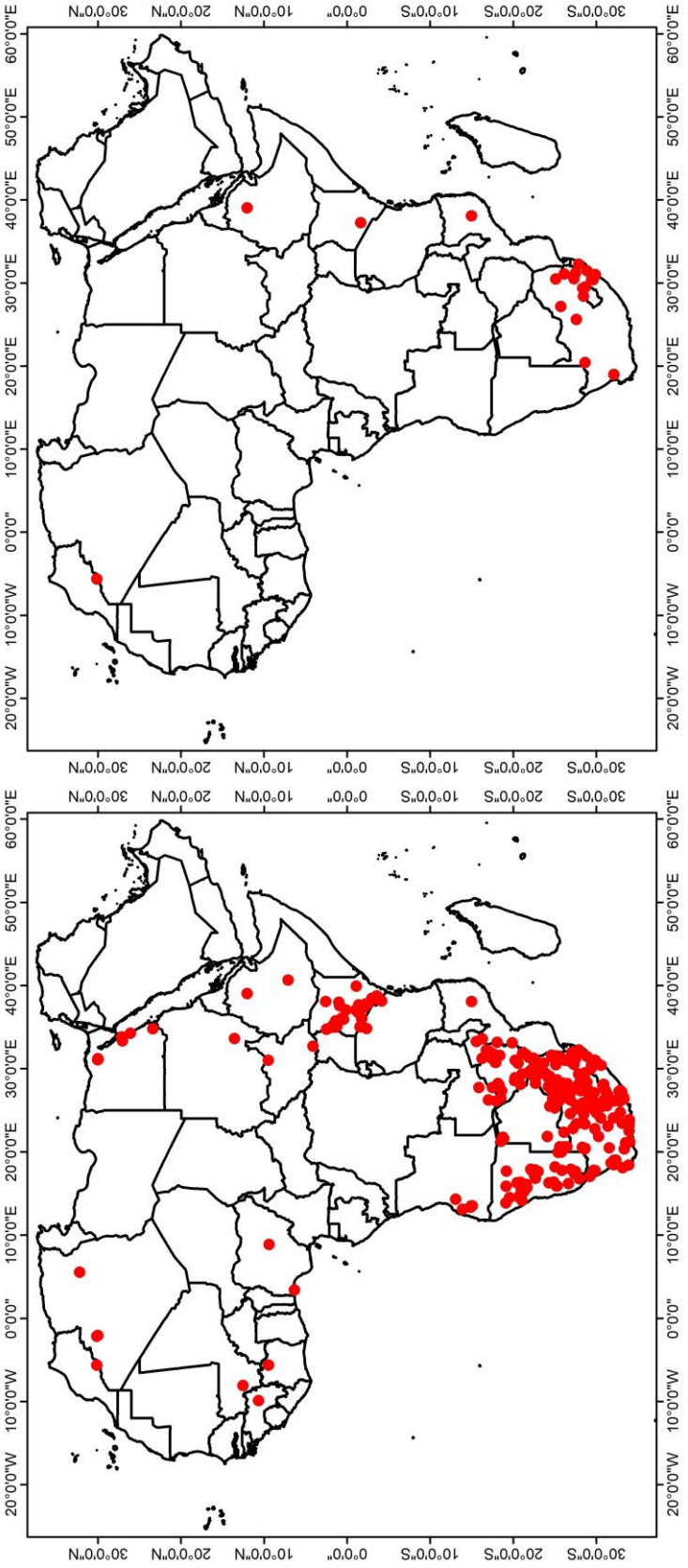

Distribution maps for *Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
(left: all voucher specimens; right: voucher specimens collected since 1998).

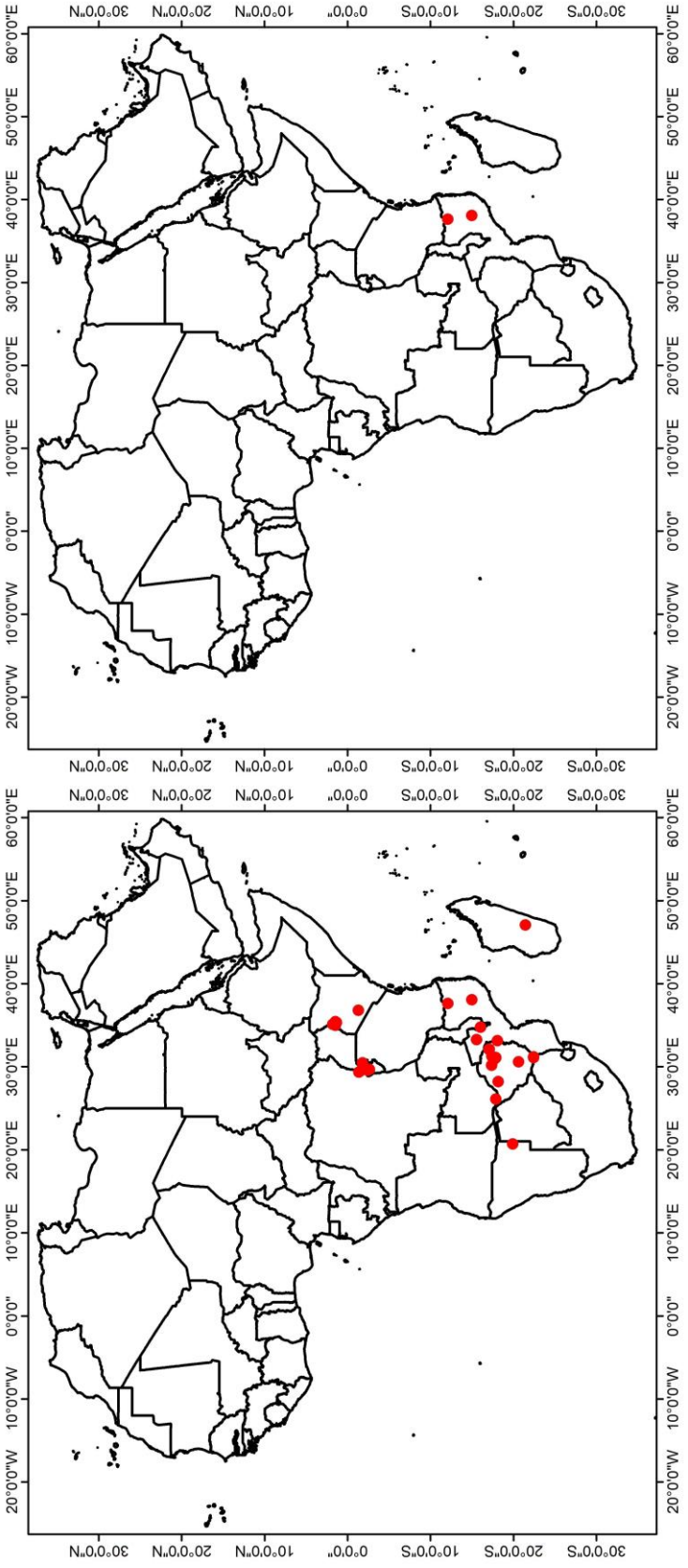

Distribution maps for *Tadarida fulminans* (Thomas, 1903)
(left: all voucher specimens; right: voucher specimens collected since 1998).

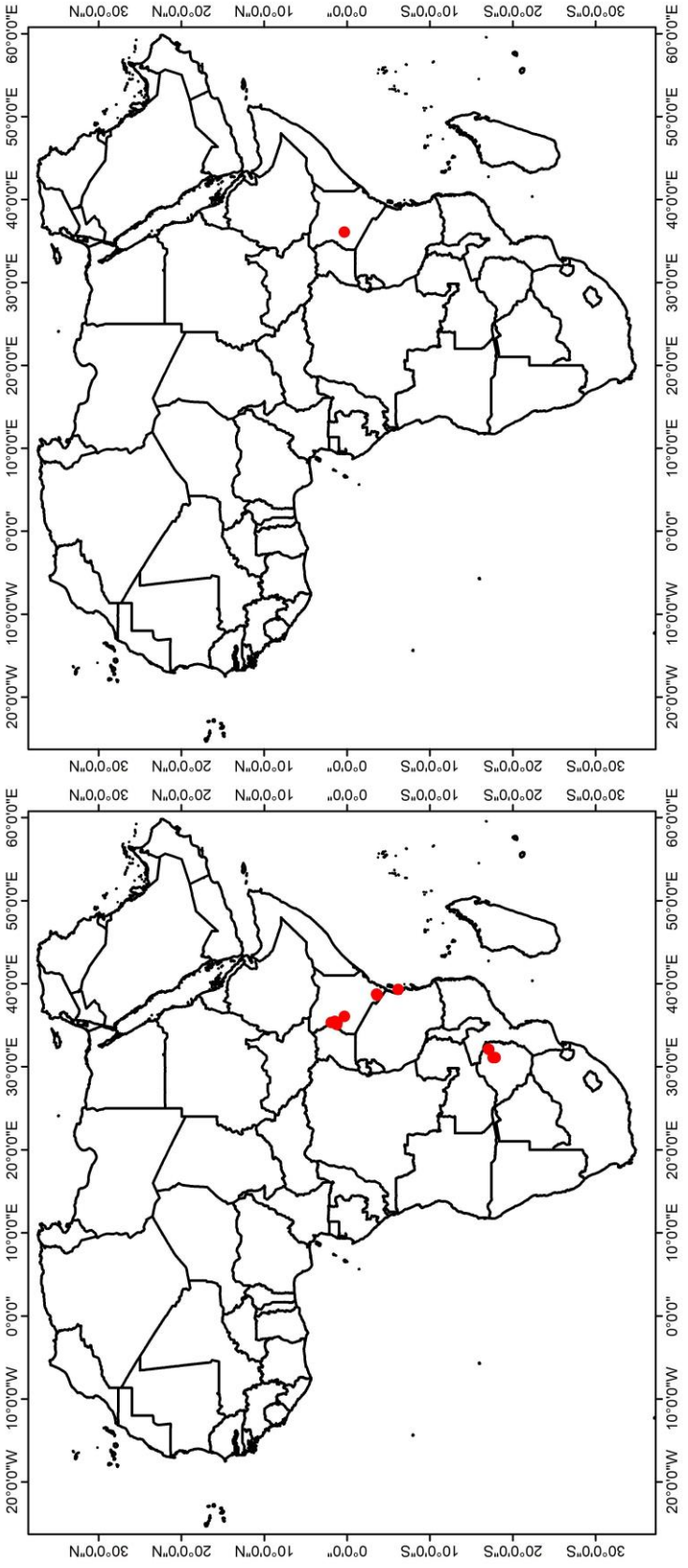

Distribution maps for *Tadarida lobata* (Thomas, 1891)
(left: all voucher specimens; right: voucher specimens collected since 1998).

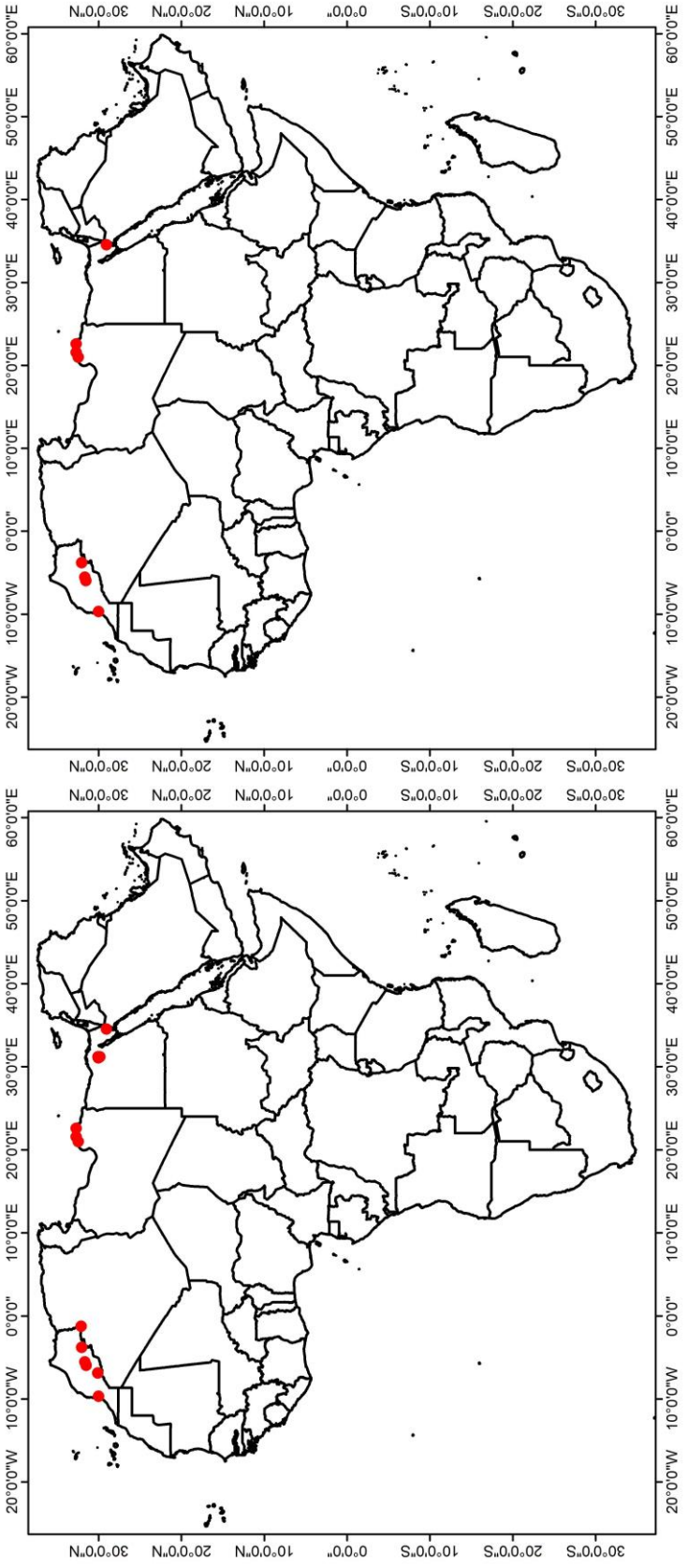

Distribution maps for *Tadarida teniotis* (Rafinesque, 1814)
(left: all voucher specimens; right: voucher specimens collected since 1998).

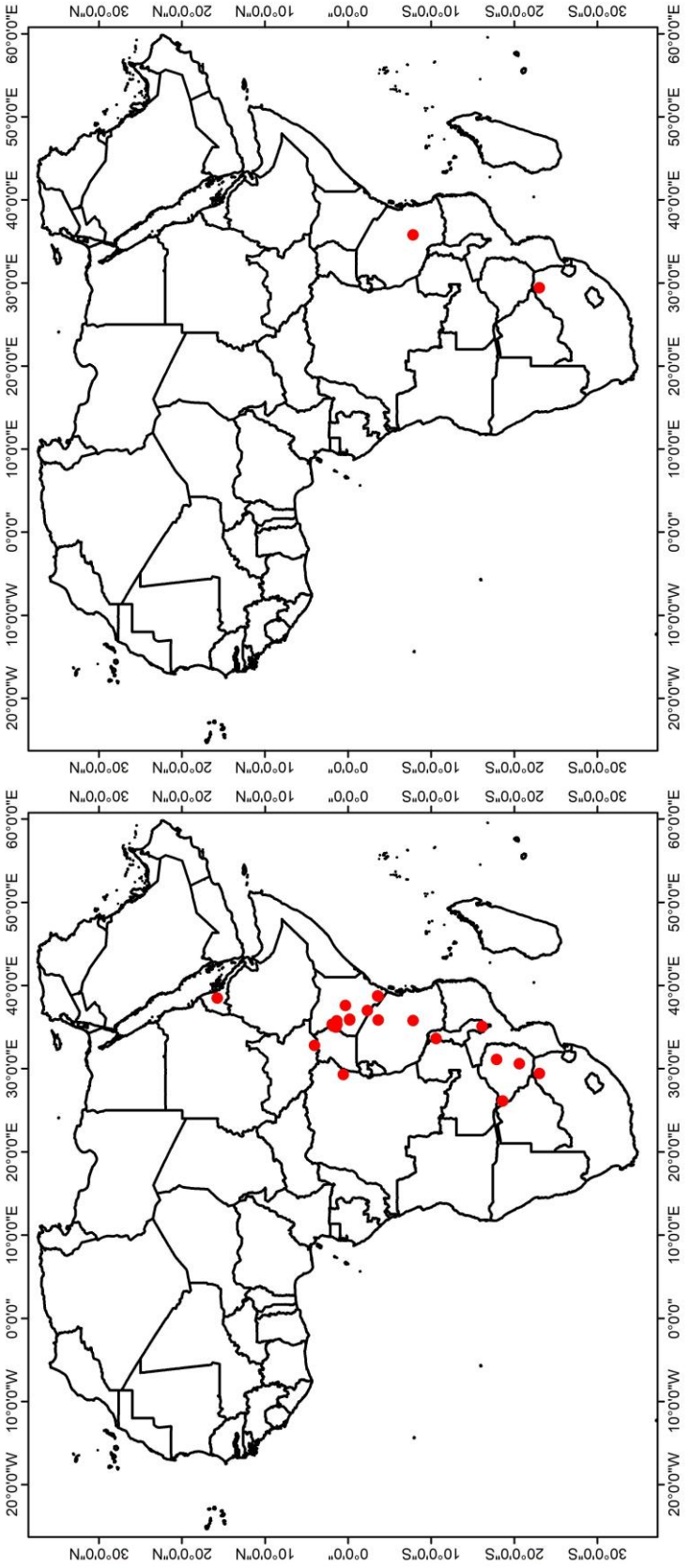

Distribution maps for *Tadarida ventralis* (Heuglin, 1861)
(left: all voucher specimens; right: voucher specimens collected since 1998).

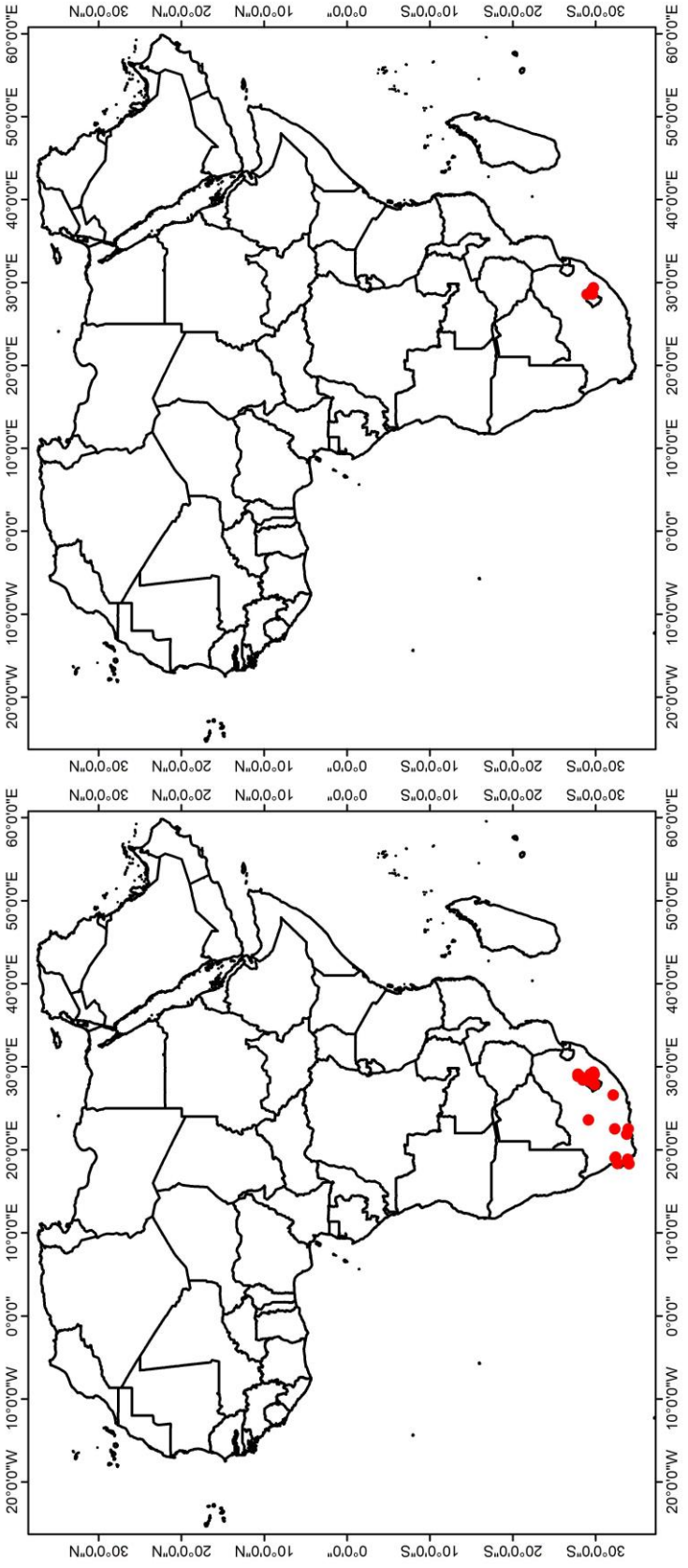

Distribution maps for *Cistugo lesueuri* Roberts, 1919
(left: all voucher specimens; right: voucher specimens collected since 1998).

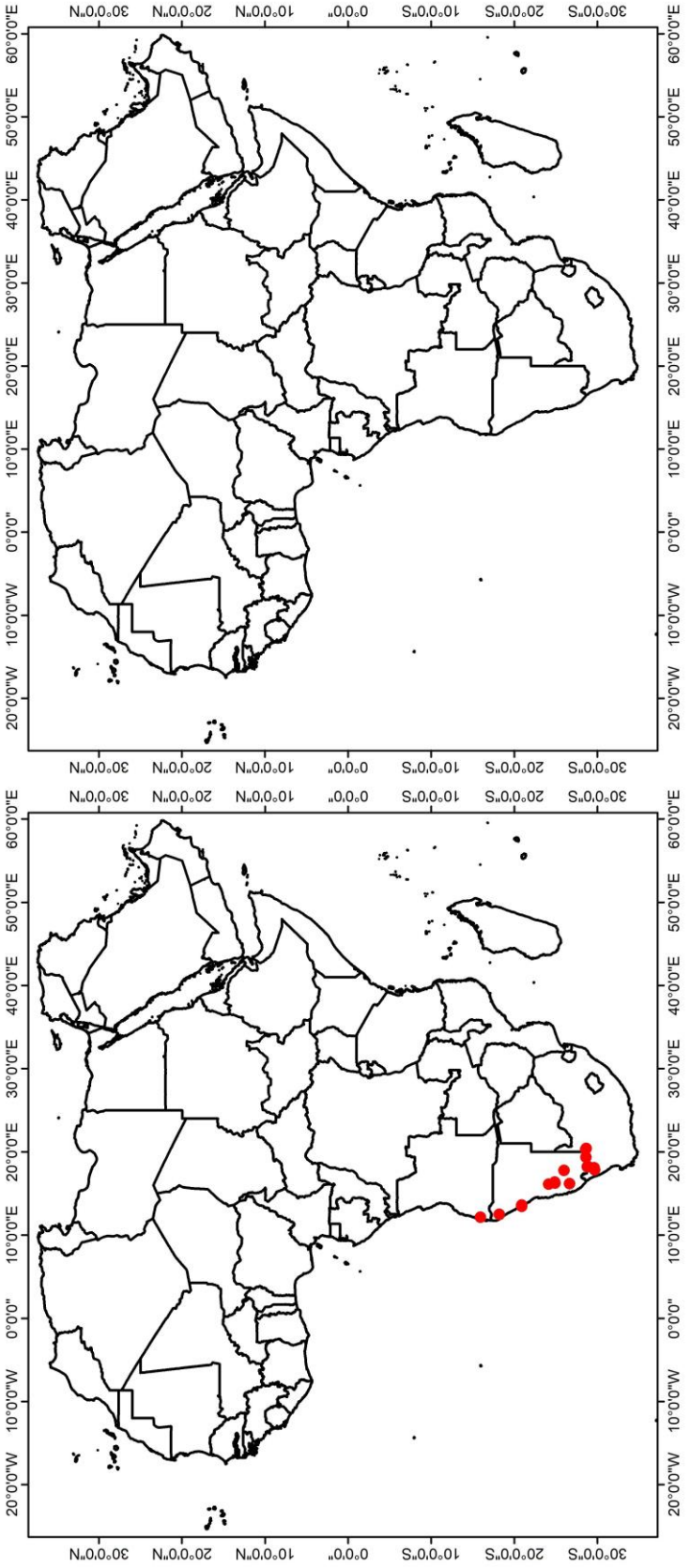

Distribution maps for *Cistugo seabrae* Thomas, 1912
(left: all voucher specimens; right: voucher specimens collected since 1998).

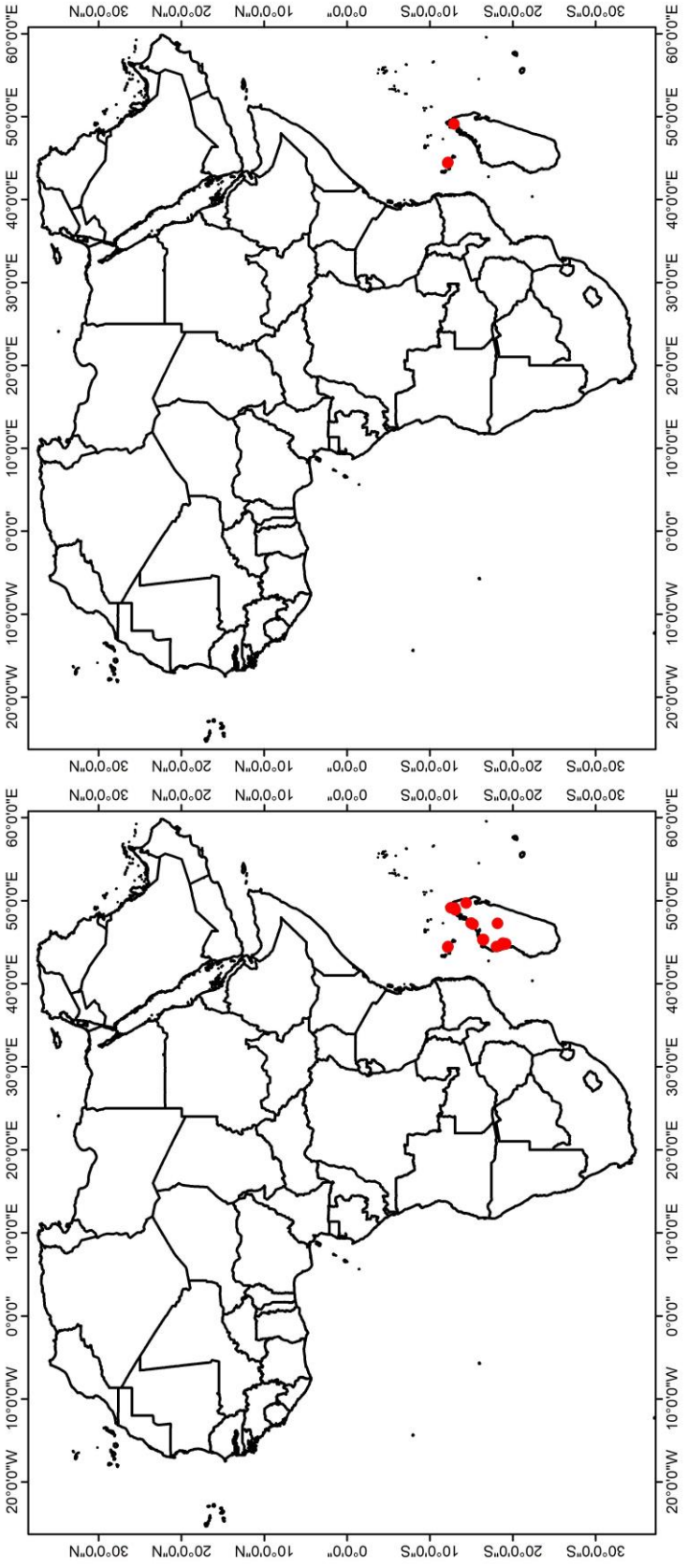

Distribution maps for *Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
(left: all voucher specimens; right: voucher specimens collected since 1998).

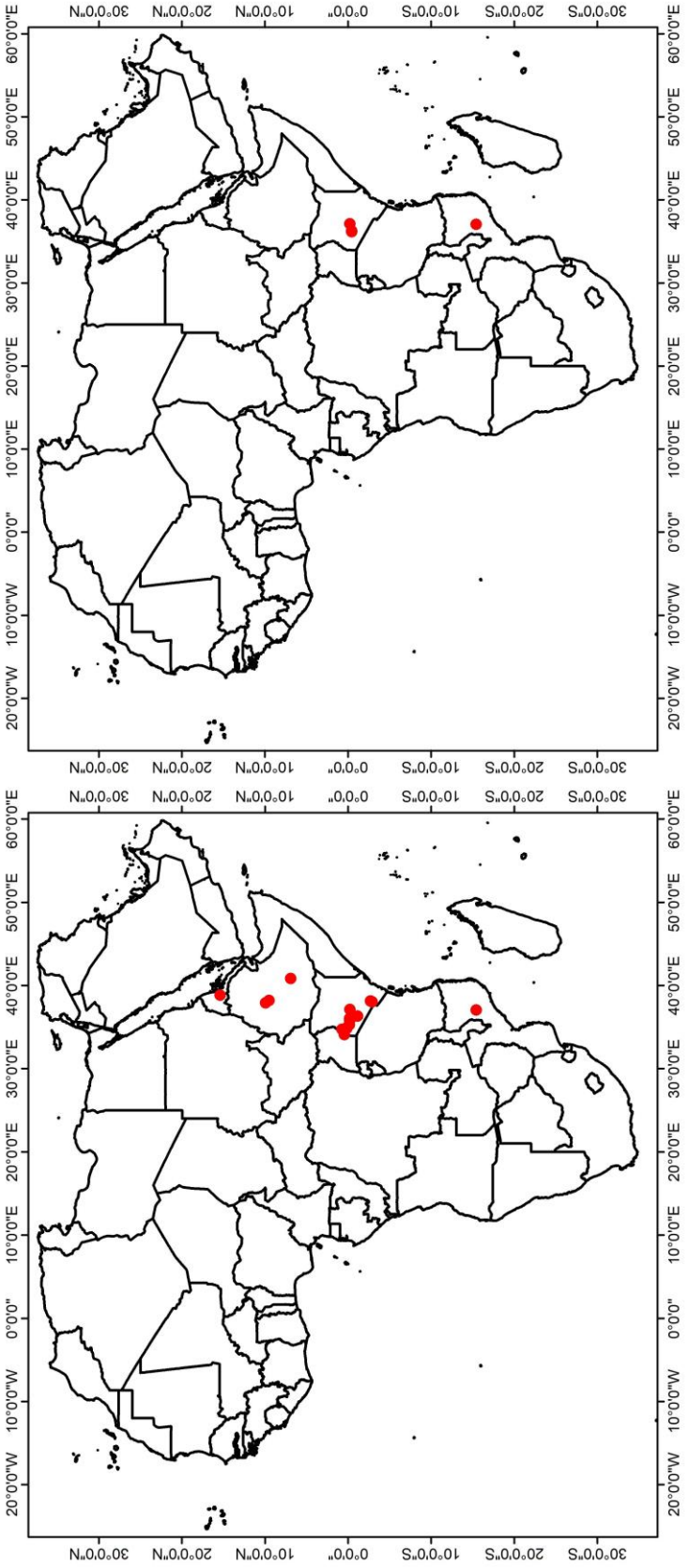

Distribution maps for *Miniopterus africanus* Sanborn, 1936
(left: all voucher specimens; right: voucher specimens collected since 1998).

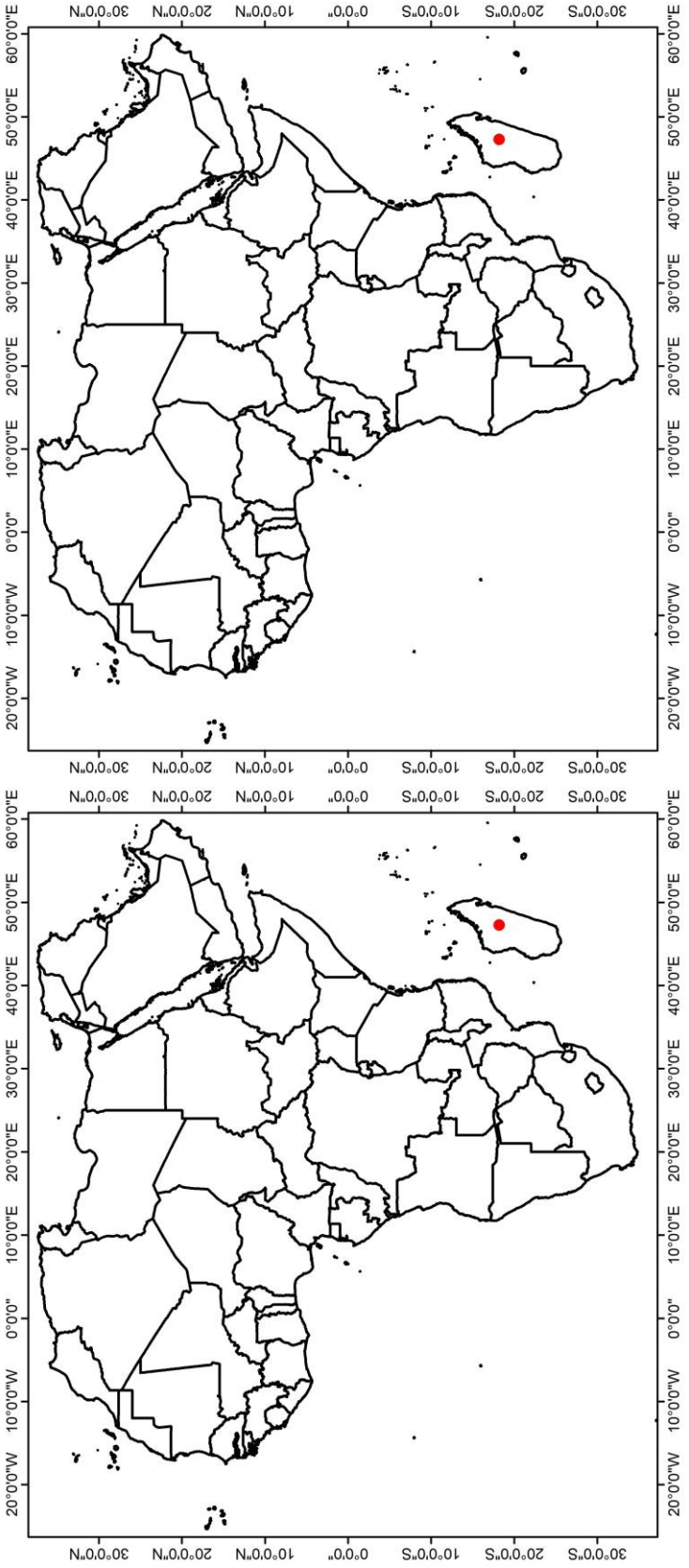

Distribution maps for *Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015 (left: all voucher specimens; right: voucher specimens collected since 1998).

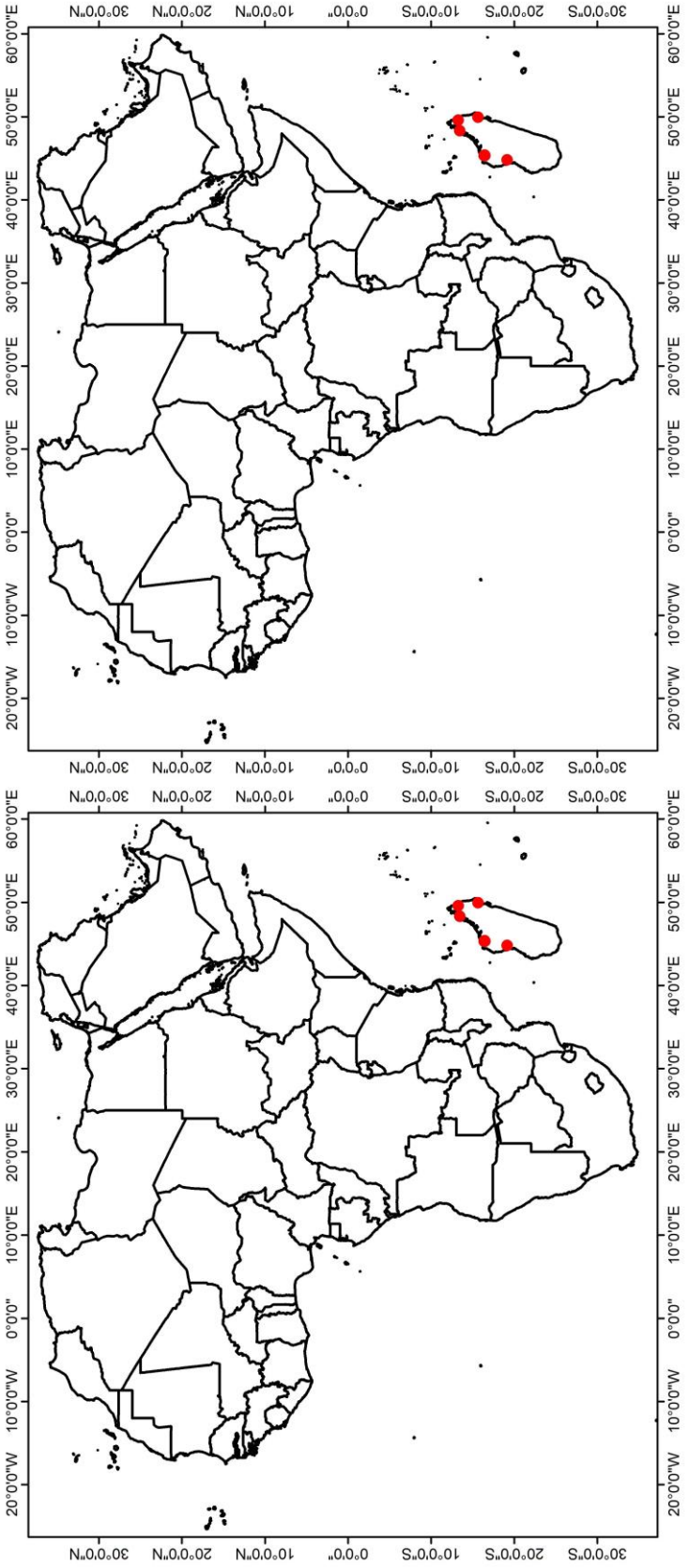

Distribution maps for *Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
(left: all voucher specimens; right: voucher specimens collected since 1998).

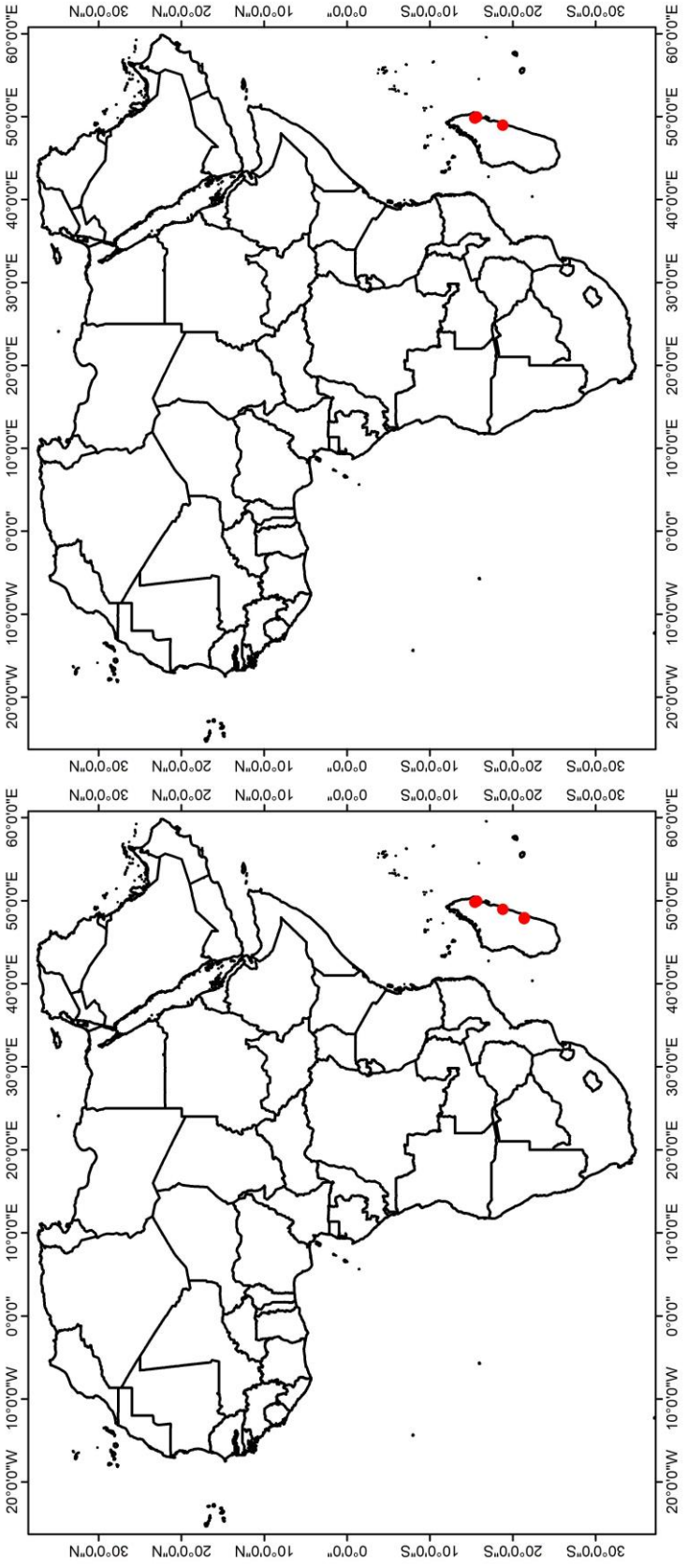

Distribution maps for *Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011 (left: all voucher specimens; right: voucher specimens collected since 1998).

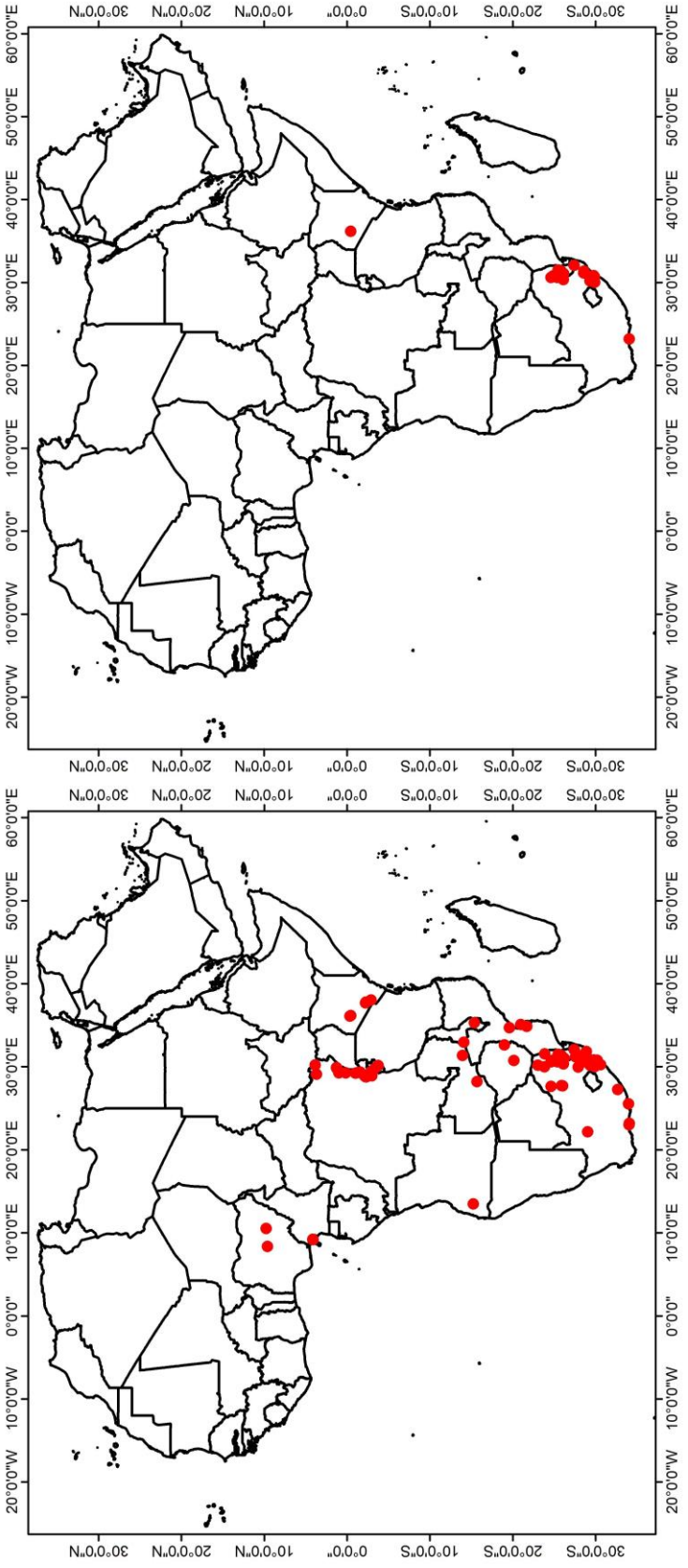

Distribution maps for *Miniopterus fraterculus* Thomas and Schwann, 1906
(left: all voucher specimens; right: voucher specimens collected since 1998).

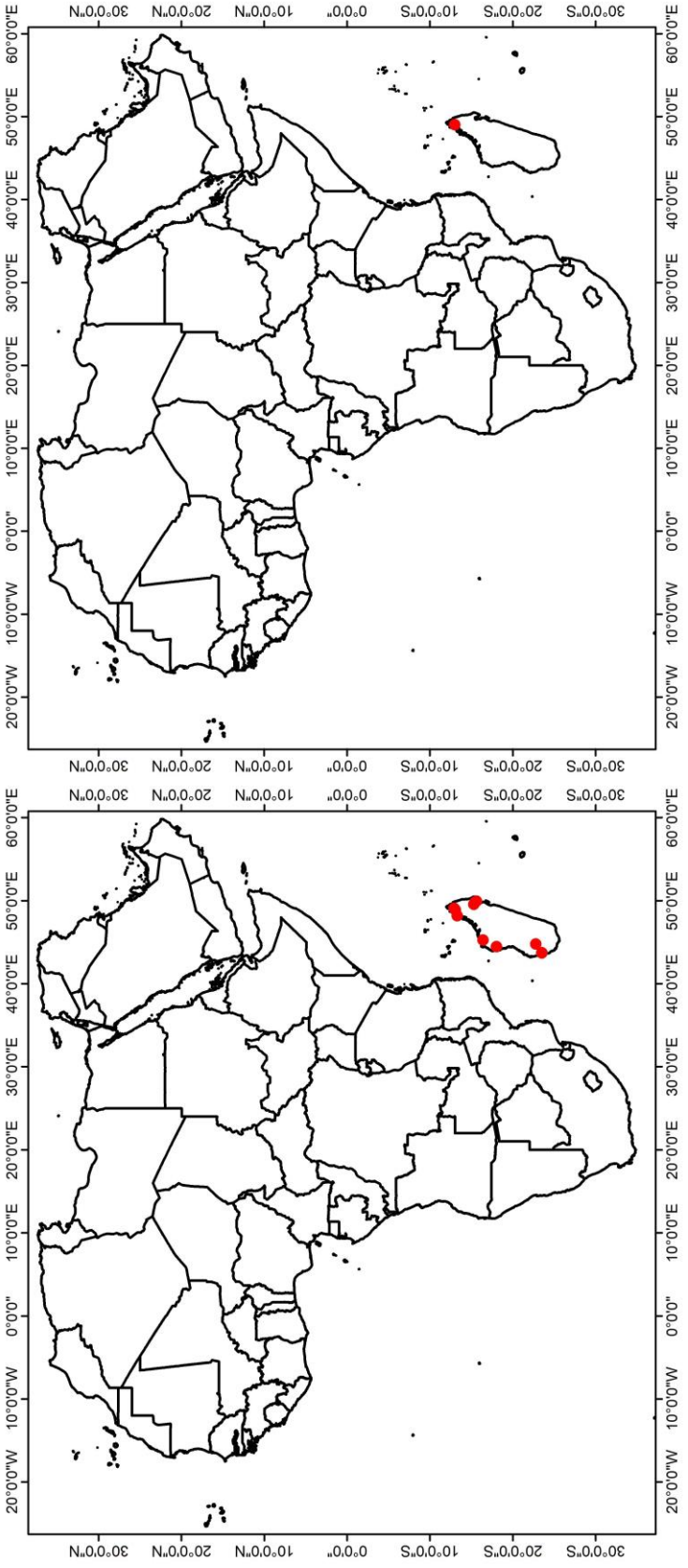

Distribution maps for *Miniopterus gleni* Peterson, Eger and Mitchell, 1995 (left: all voucher specimens; right: voucher specimens collected since 1998).

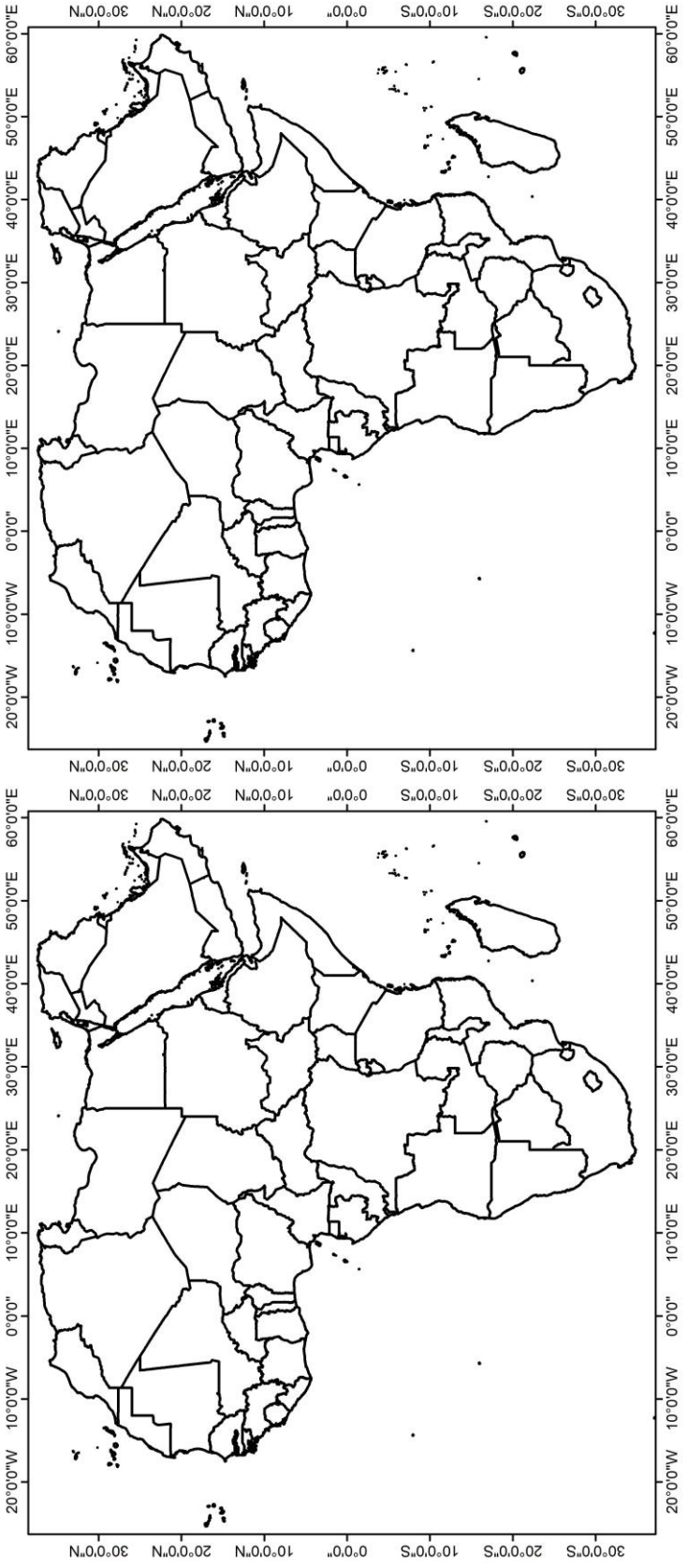

Distribution maps for *Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
(left: all voucher specimens; right: voucher specimens collected since 1998).

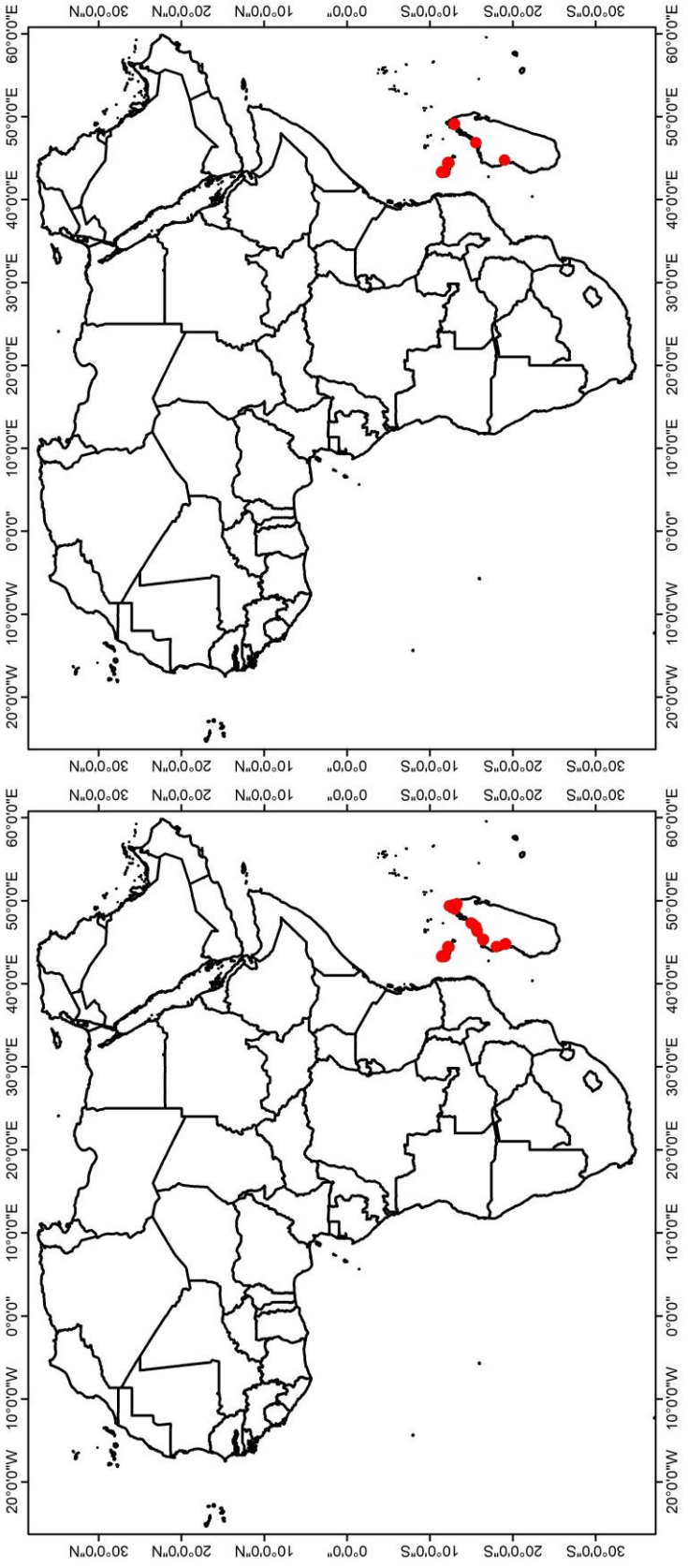

Distribution maps for *Miniopterus griveaudi* Harrison, 1959
(left: all voucher specimens; right: voucher specimens collected since 1998).

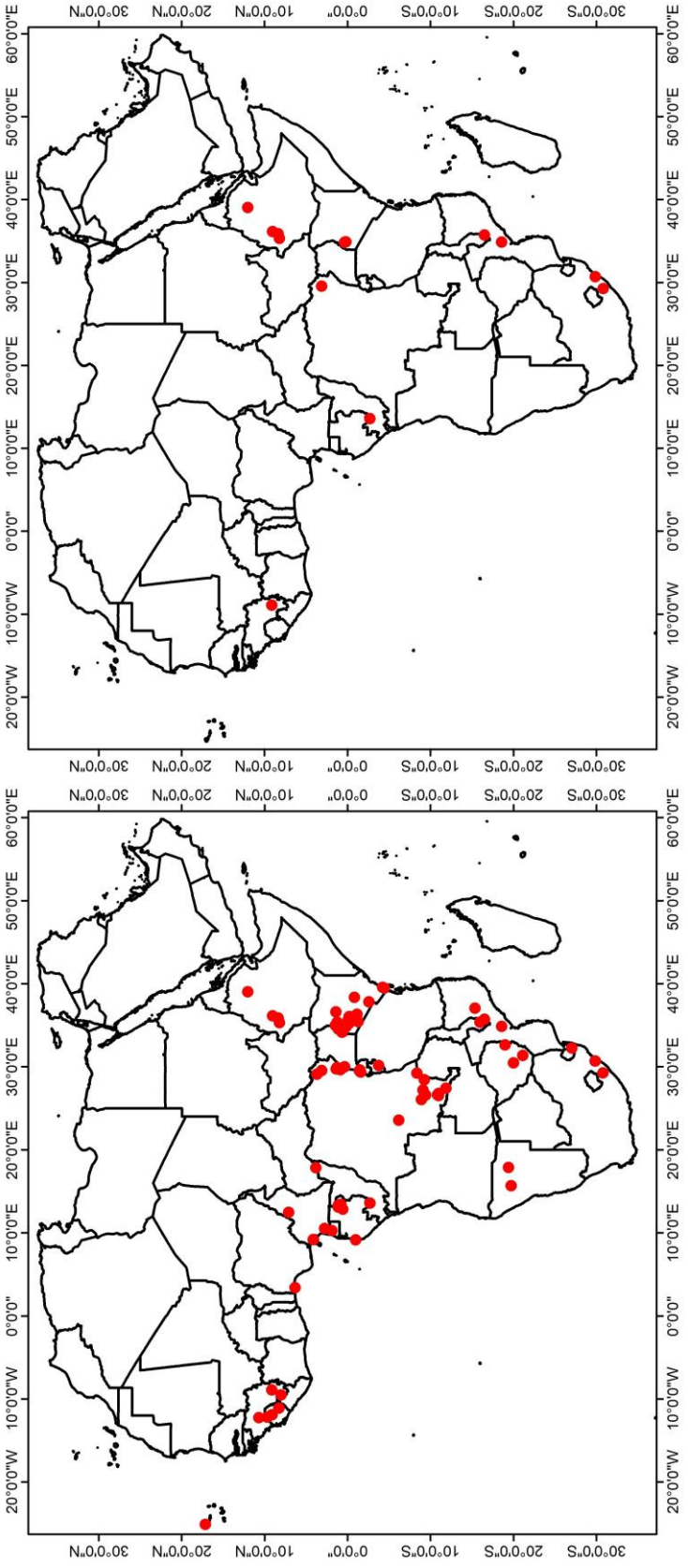

Distribution maps for *Miniopterus inflatus* Thomas, 1903
(left: all voucher specimens; right: voucher specimens collected since 1998).

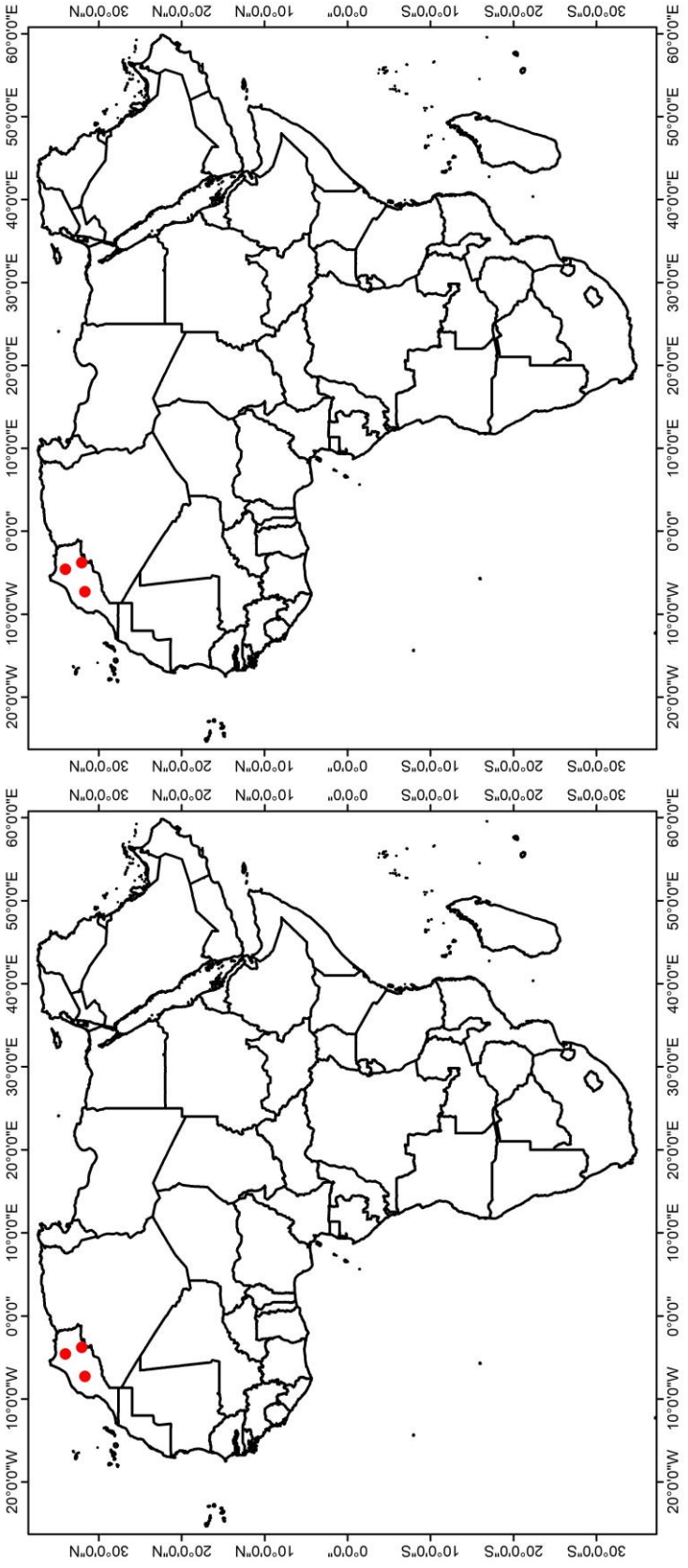

Distribution maps for *Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
(left: all voucher specimens; right: voucher specimens collected since 1998).

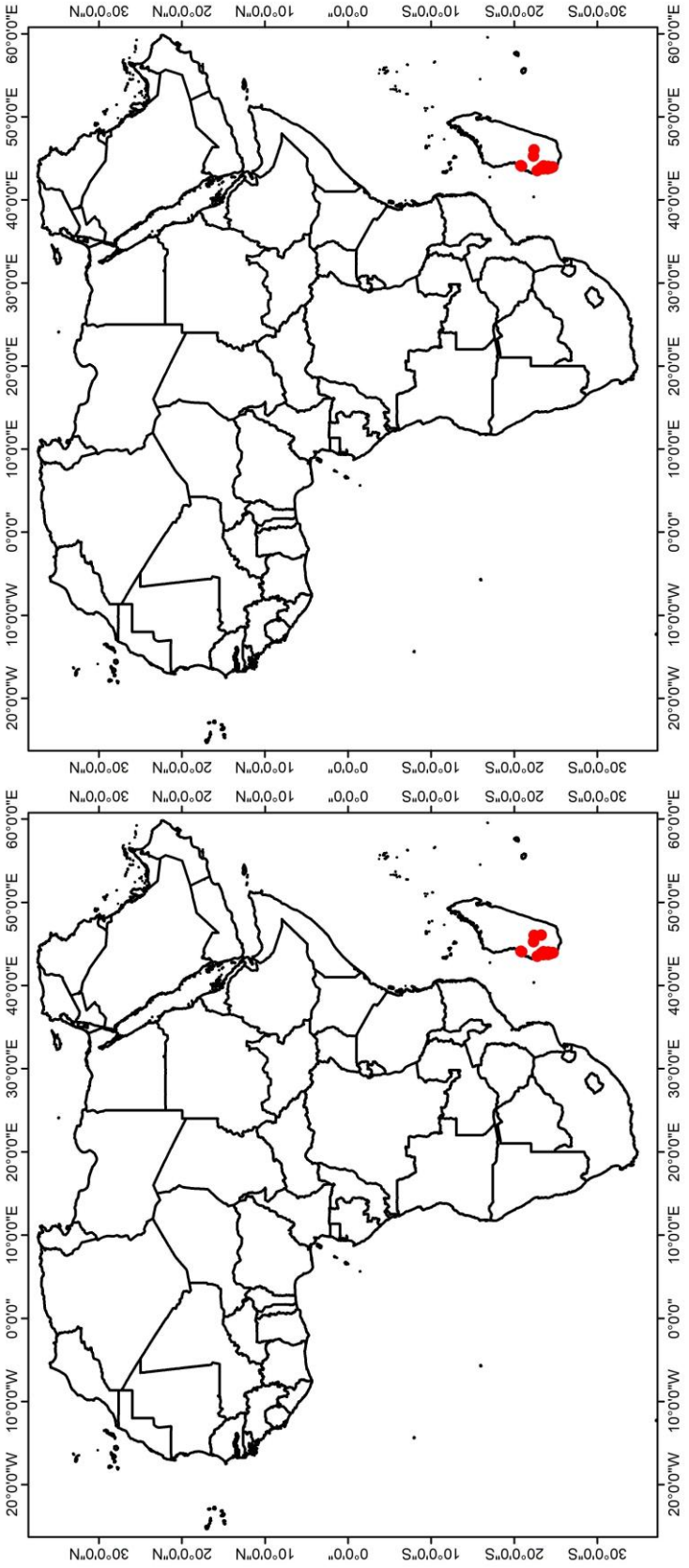

Distribution maps for *Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009
(left: all voucher specimens; right: voucher specimens collected since 1998).

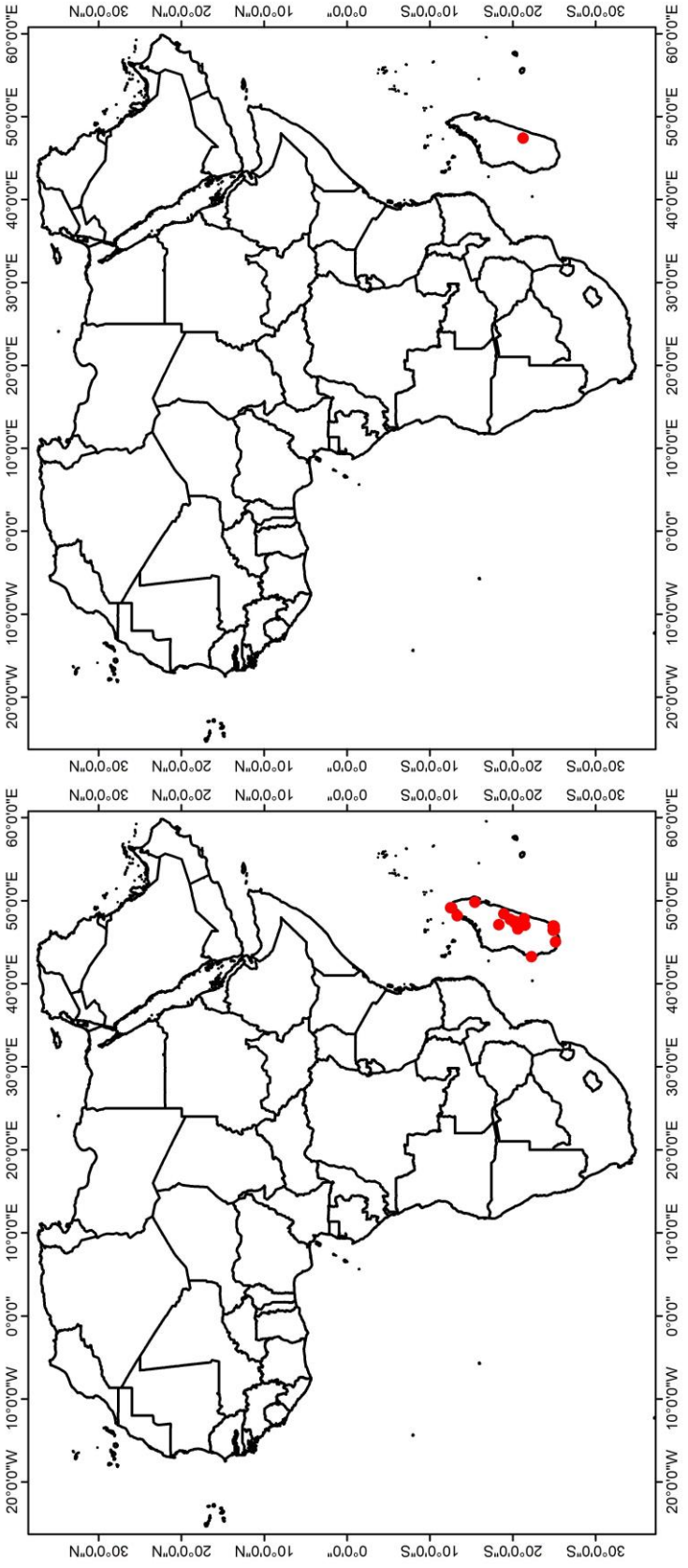

Distribution maps for *Miniopterus majori* Thomas, 1906
(left: all voucher specimens; right: voucher specimens collected since 1998).

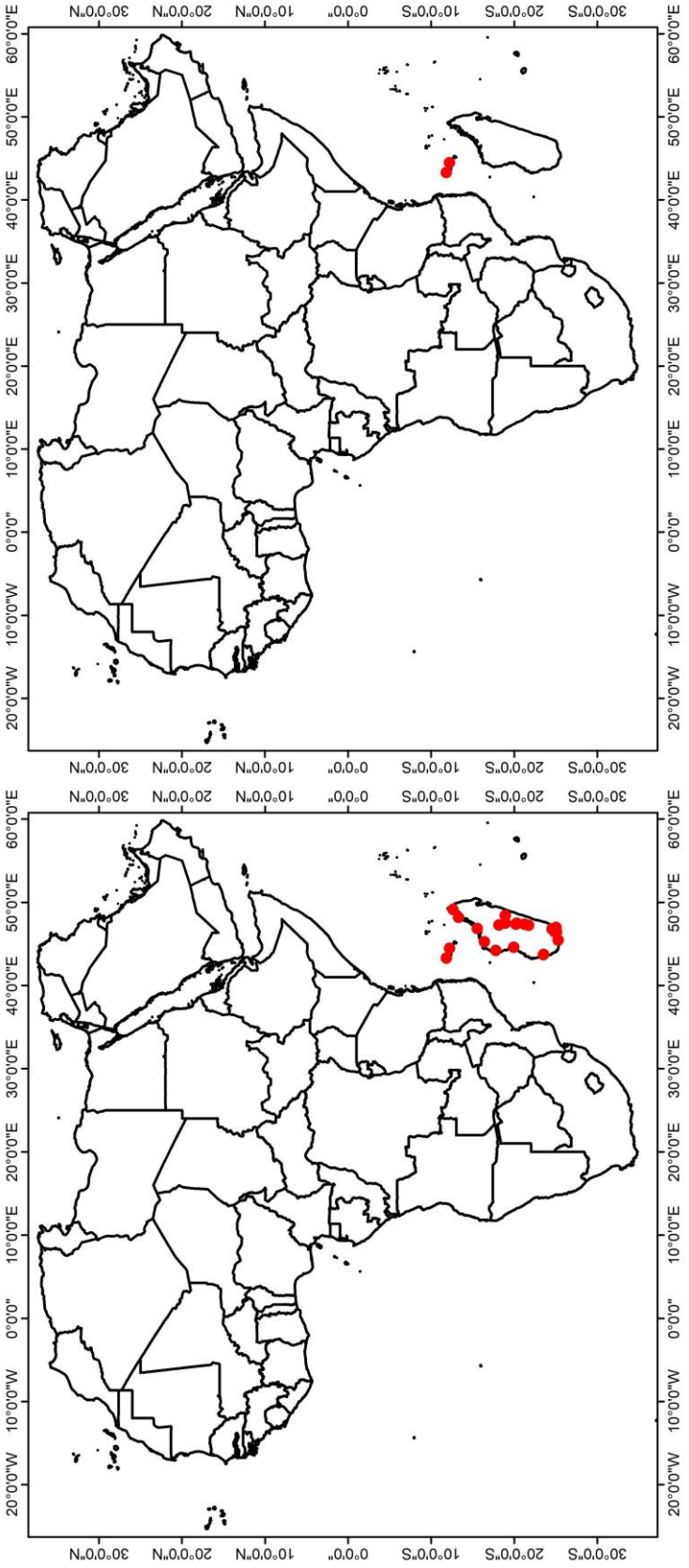

Distribution maps for *Miniopterus manavi* Thomas, 1906
(left: all voucher specimens; right: voucher specimens collected since 1998).

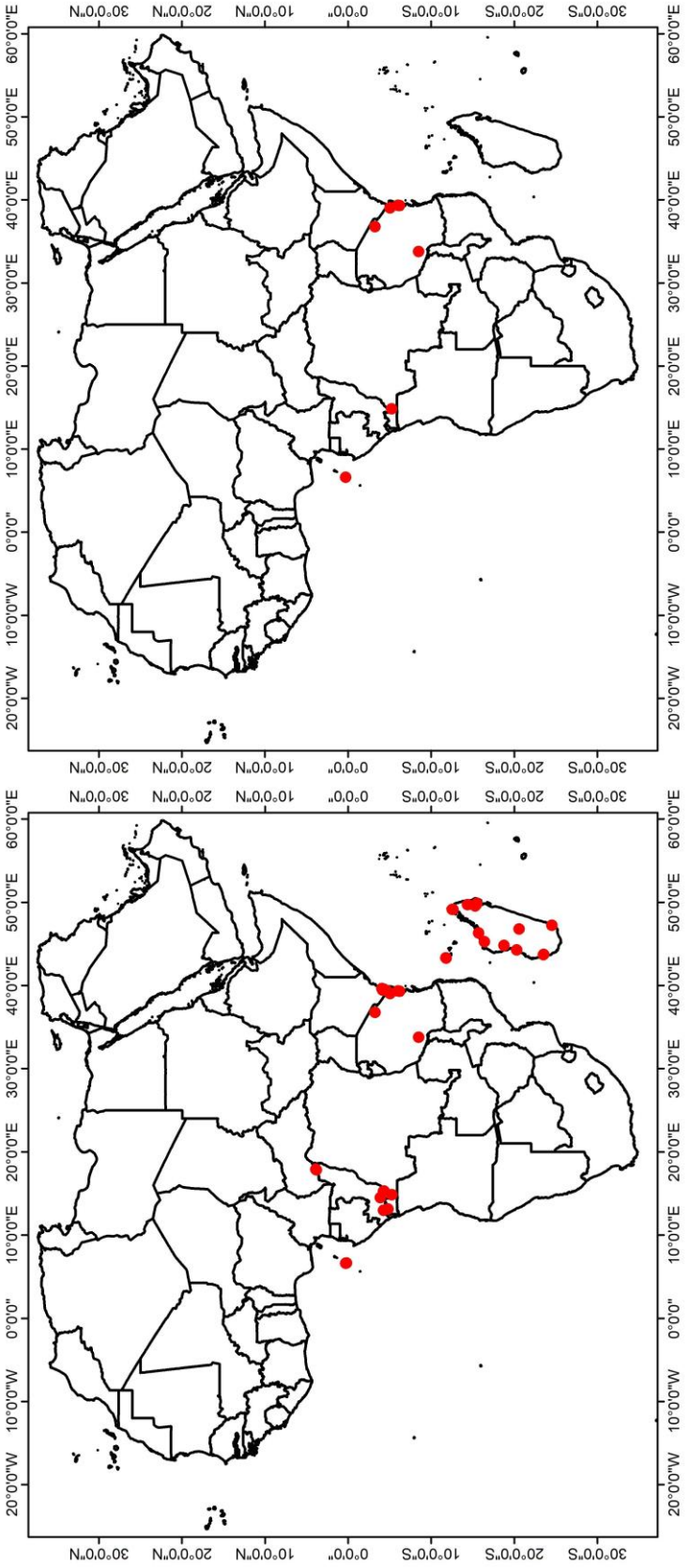

Distribution maps for *Miniopterus minor* Peters, 1867
(left: all voucher specimens; right: voucher specimens collected since 1998).

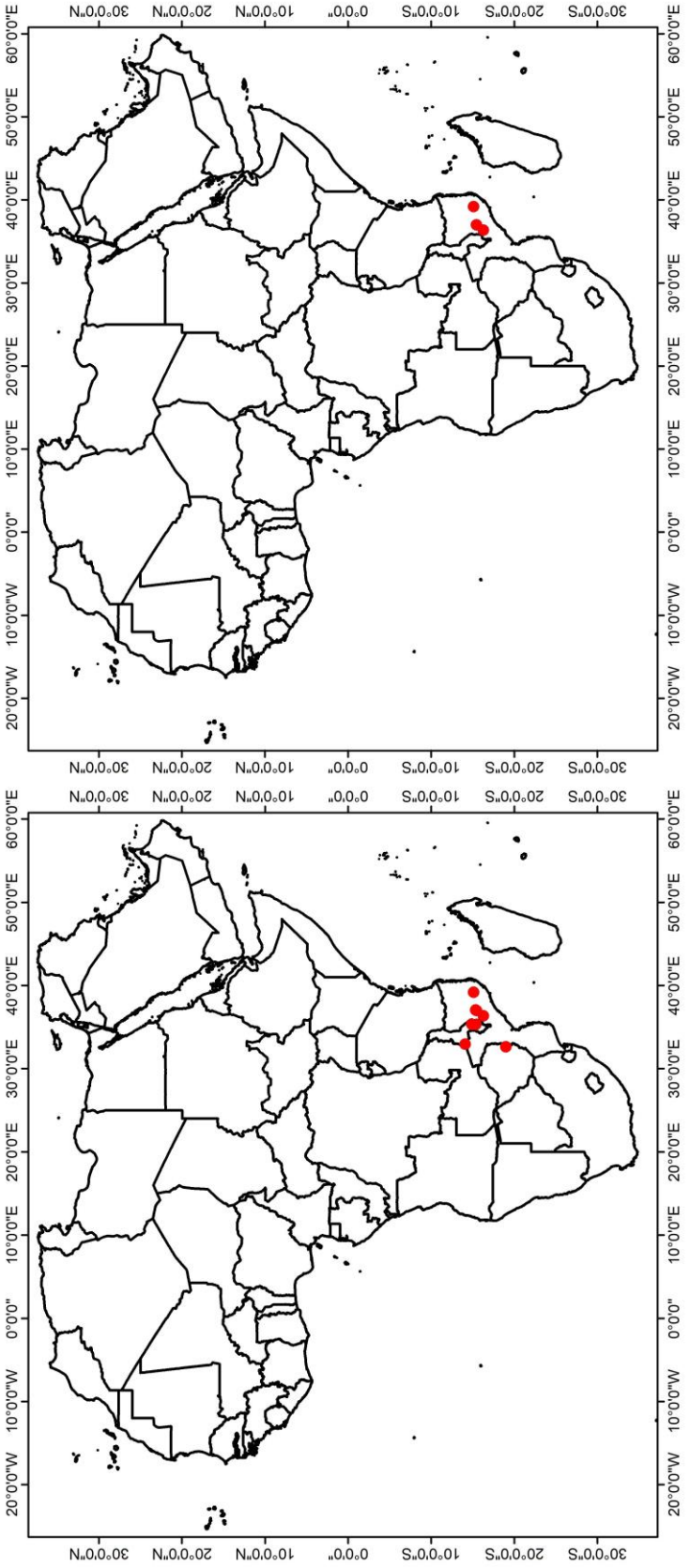

Distribution maps for *Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013
(left: all voucher specimens; right: voucher specimens collected since 1998).

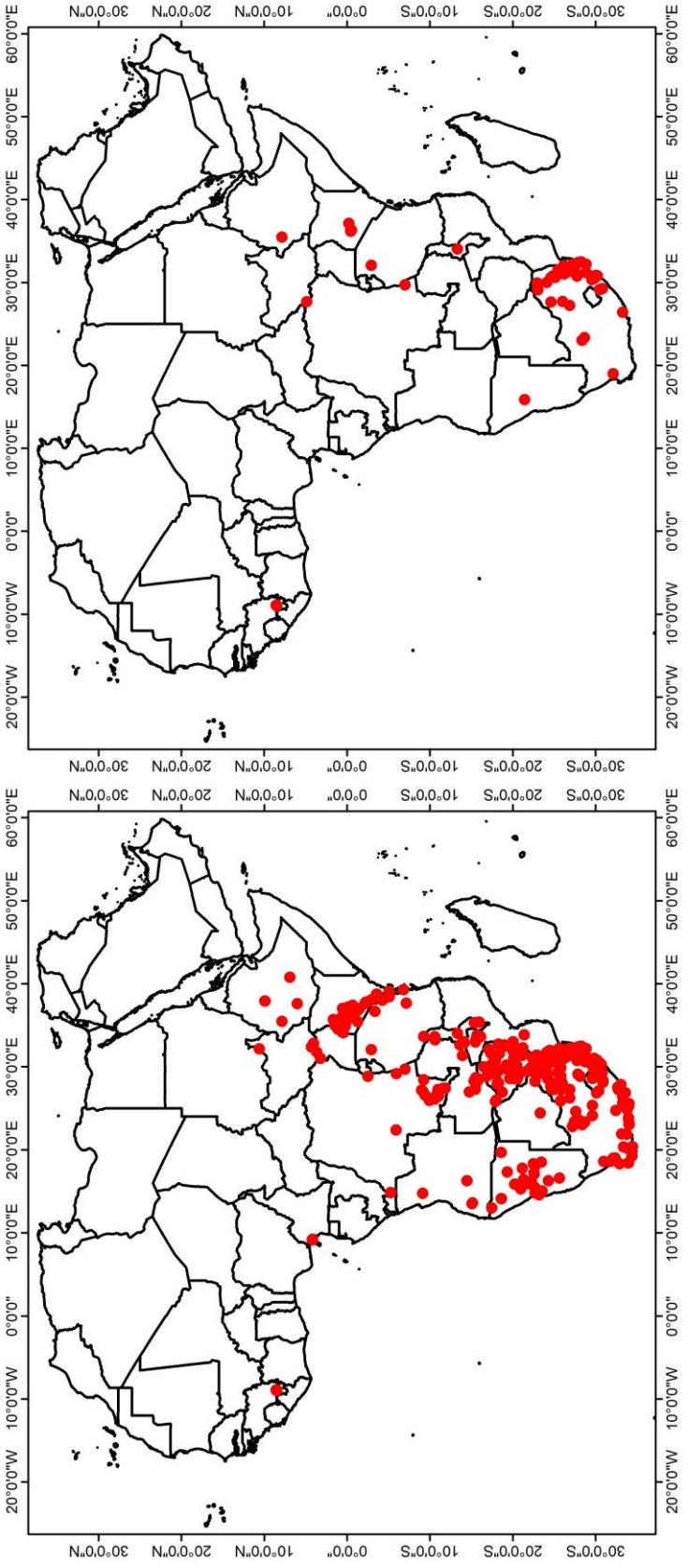

Distribution maps for *Miniopterus natalensis* (A. Smith, 1833)
(left: all voucher specimens; right: voucher specimens collected since 1998).

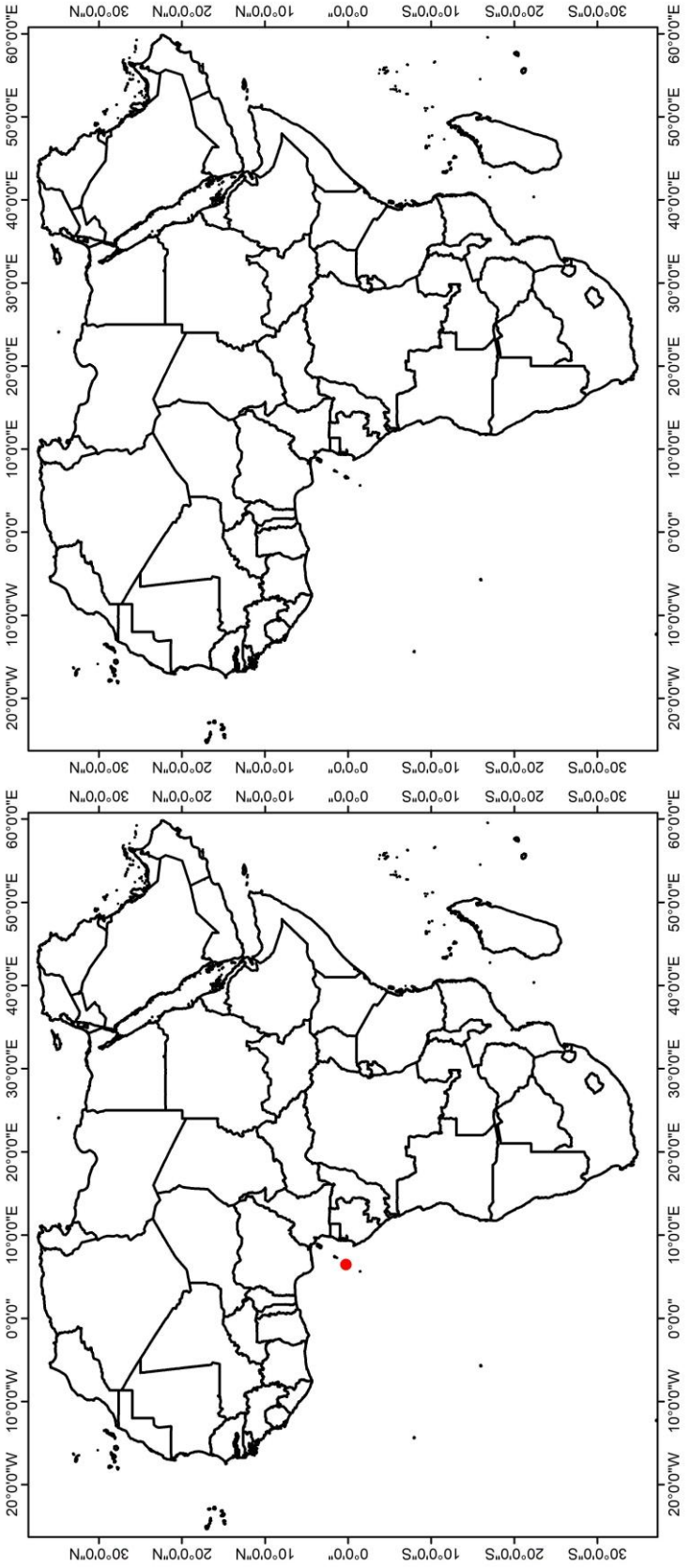

Distribution maps for *Miniopterus newtoni* Bocage, 1889
(left: all voucher specimens; right: voucher specimens collected since 1998).

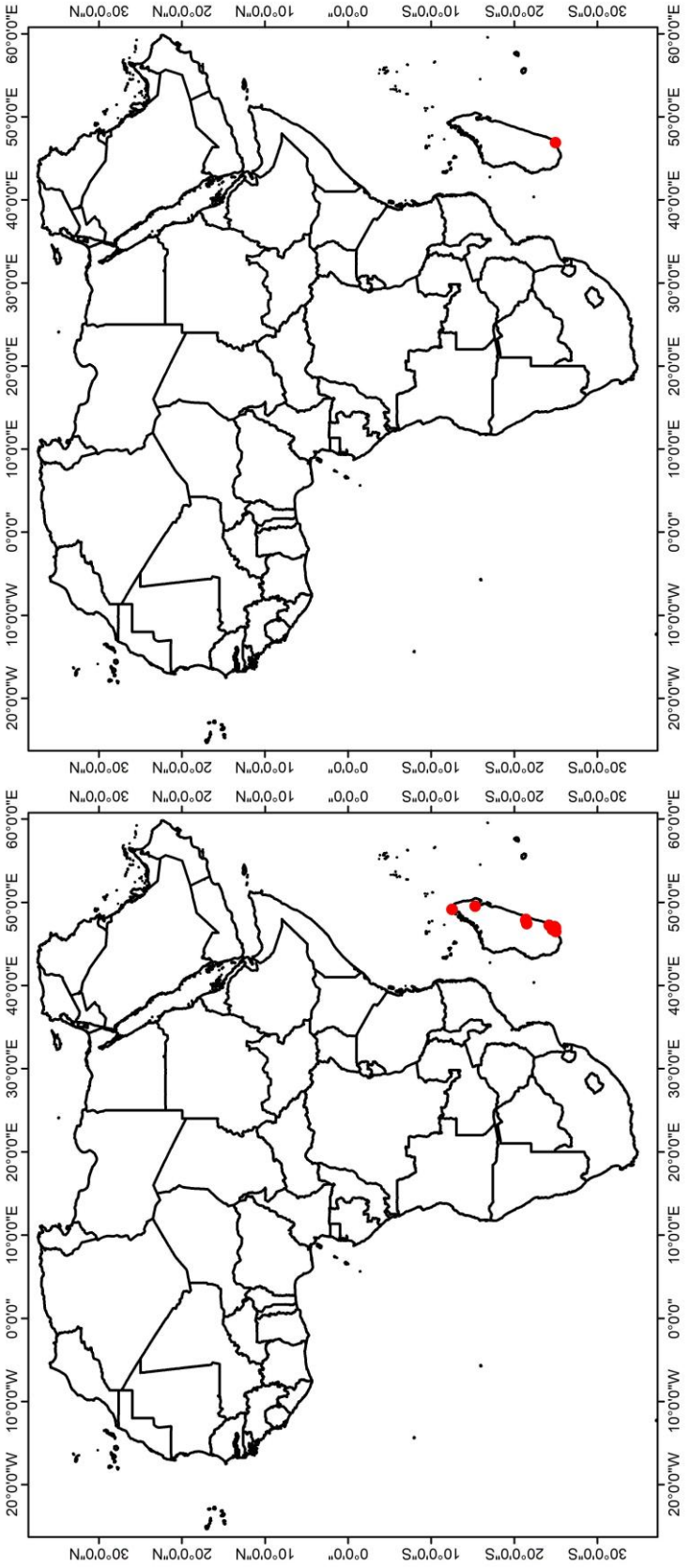

Distribution maps for *Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008 (left: all voucher specimens; right: voucher specimens collected since 1998).

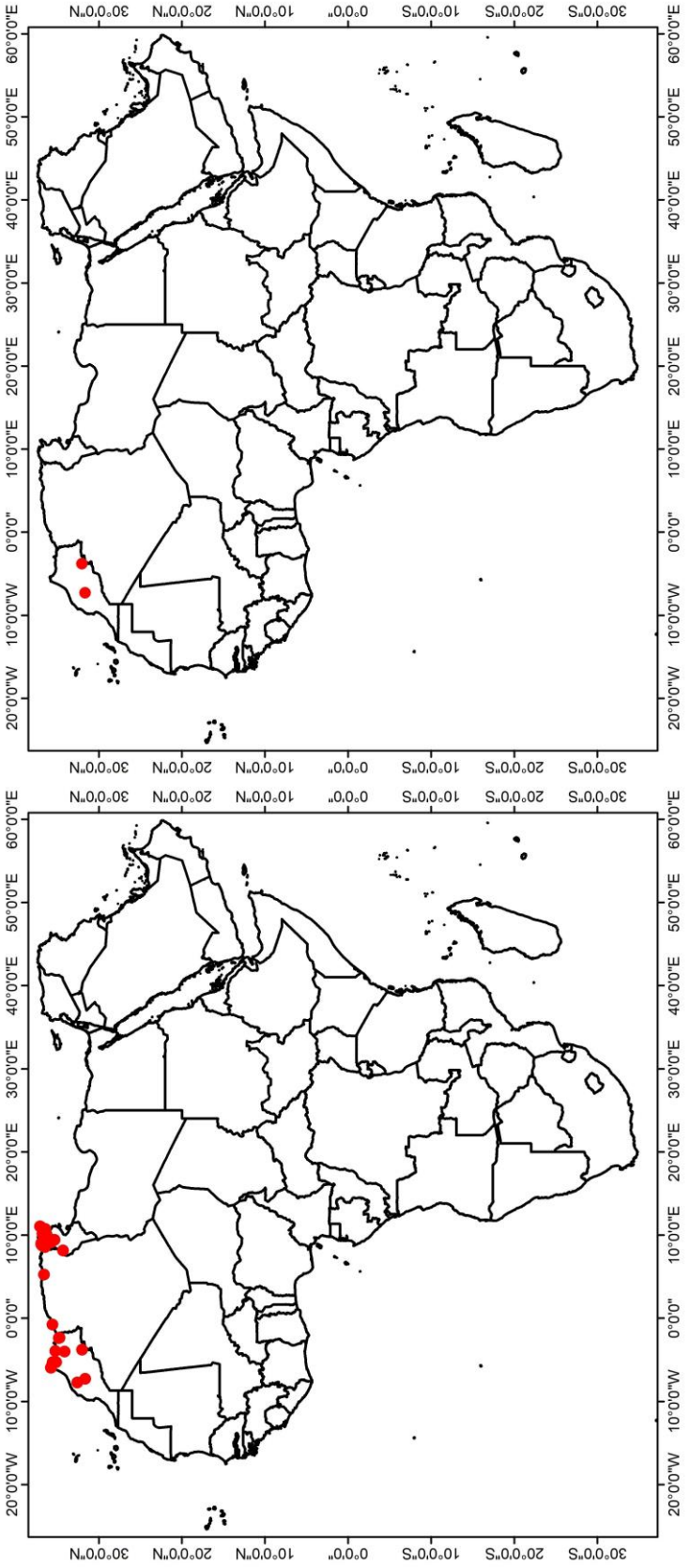

Distribution maps for *Miniopterus schreibersii* (Kuhl, 1817)
(left: all voucher specimens; right: voucher specimens collected since 1998).

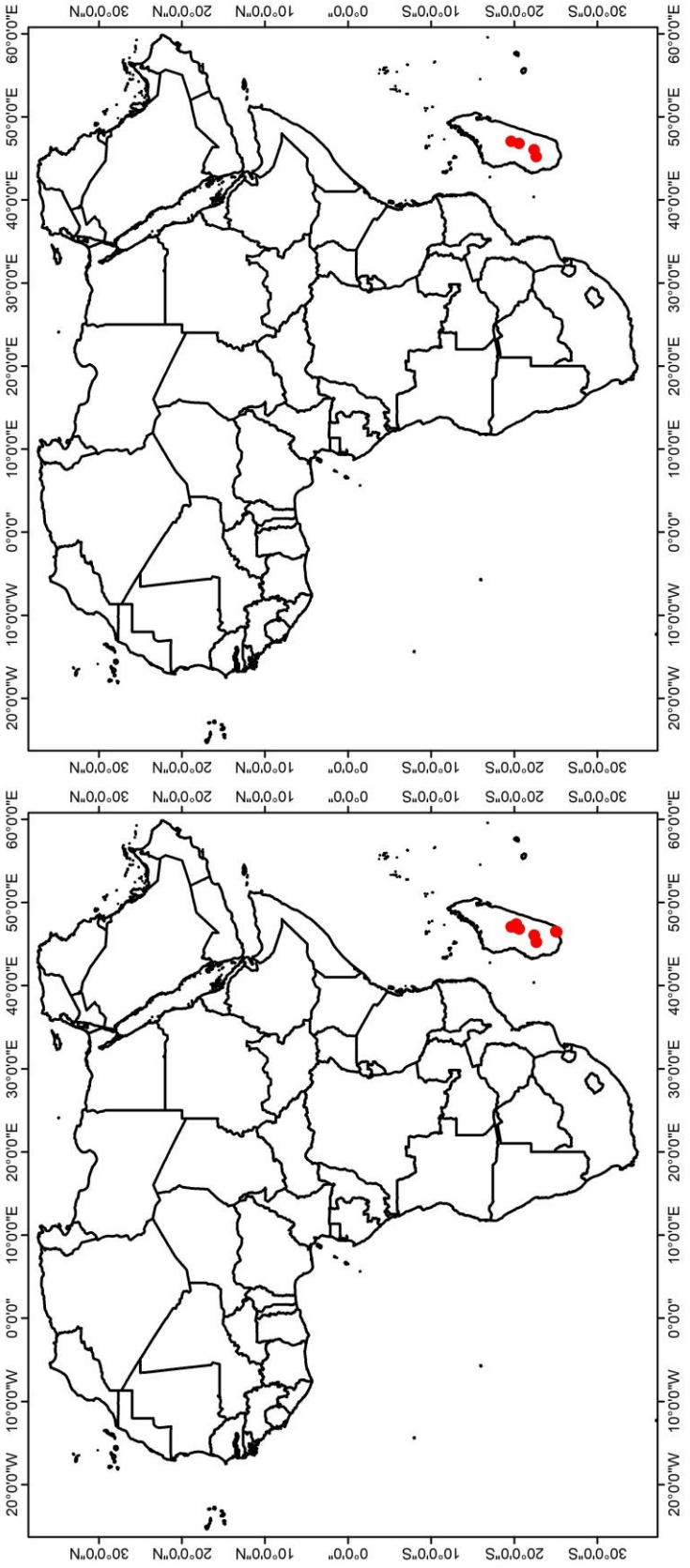

Distribution maps for *Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007 (left: all voucher specimens; right: voucher specimens collected since 1998).

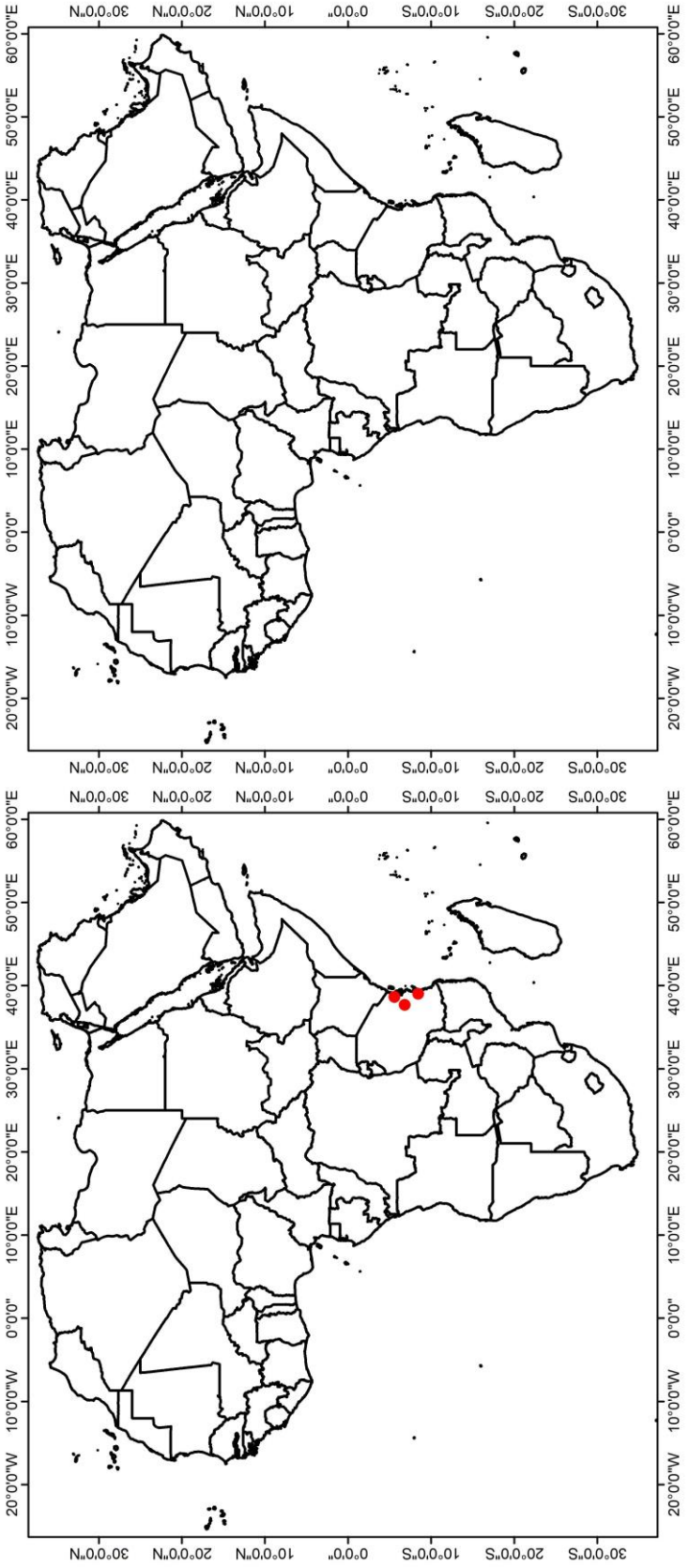

Distribution maps for *Kerivoula africana* Dobson, 1878
(left: all voucher specimens; right: voucher specimens collected since 1998).

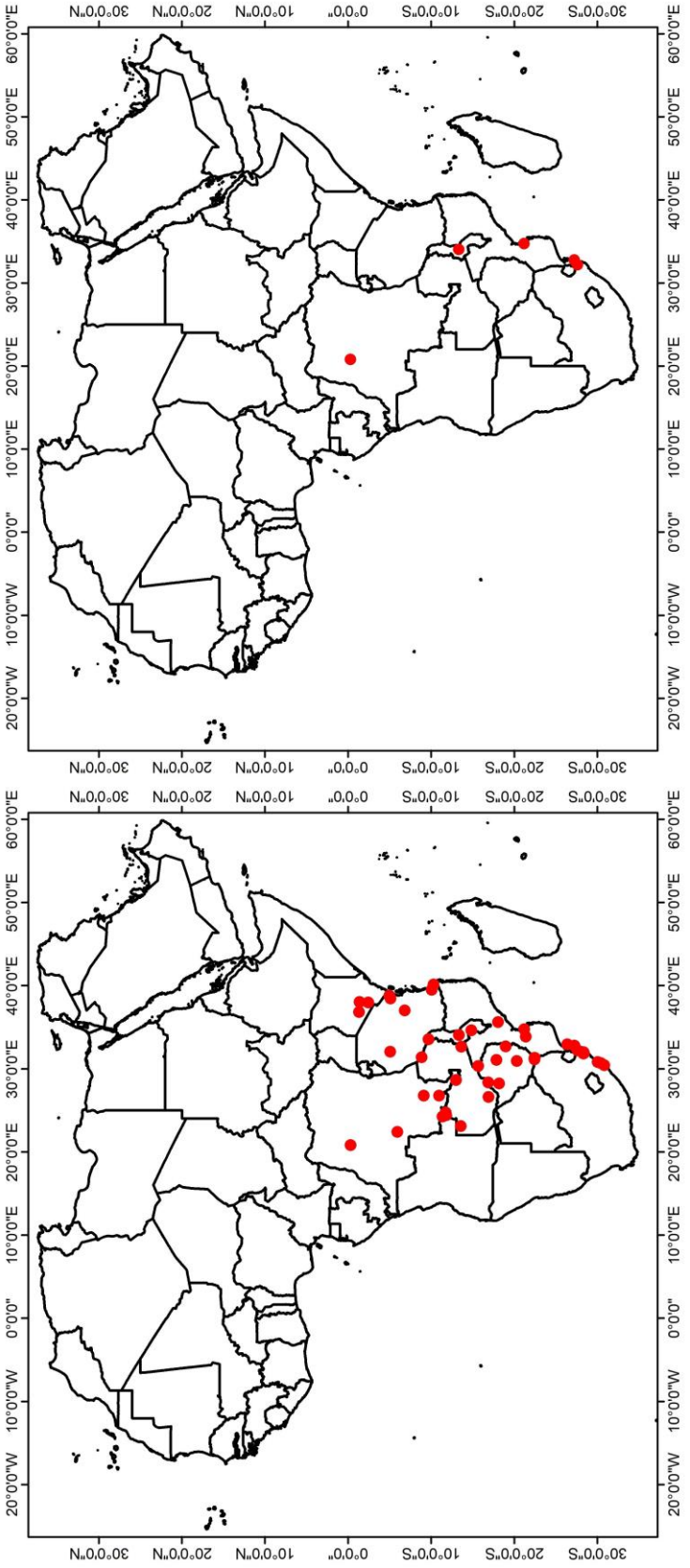

Distribution maps for *Kerivoula argentata* Tomes, 1861
(left: all voucher specimens; right: voucher specimens collected since 1998).

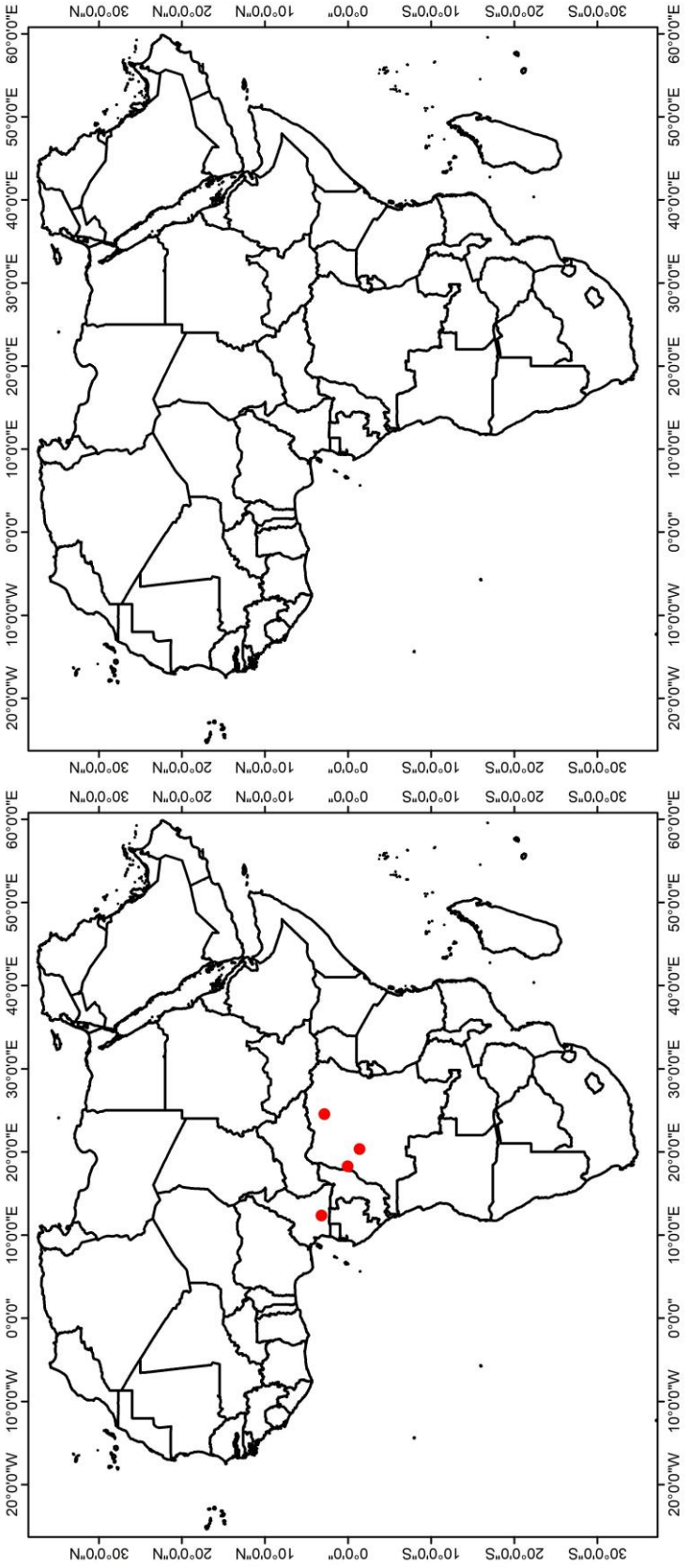

Distribution maps for *Kerivoula cuprosa* Thomas, 1912
(left: all voucher specimens; right: voucher specimens collected since 1998).

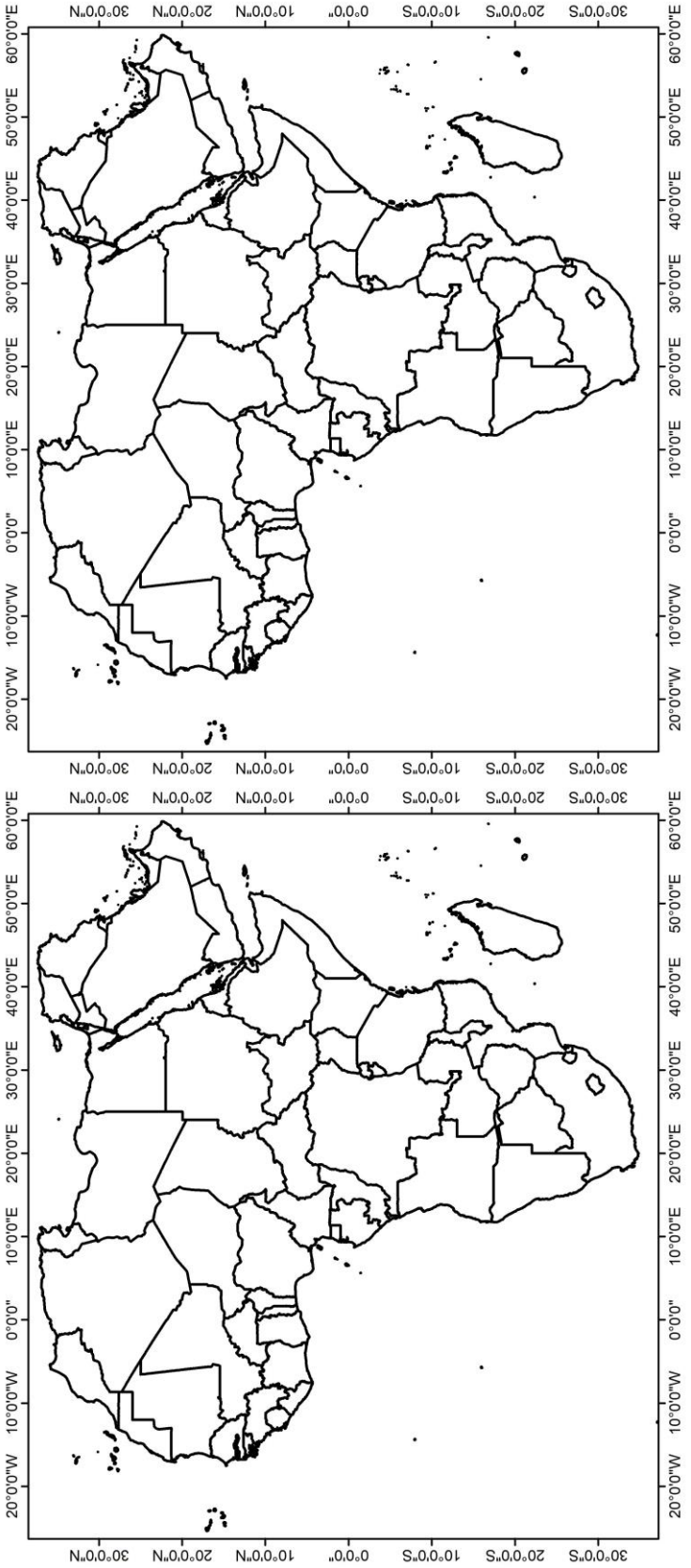

Distribution maps for *Kerivoula eriophora* (Heuglin, 1877)
(left: all voucher specimens; right: voucher specimens collected since 1998).

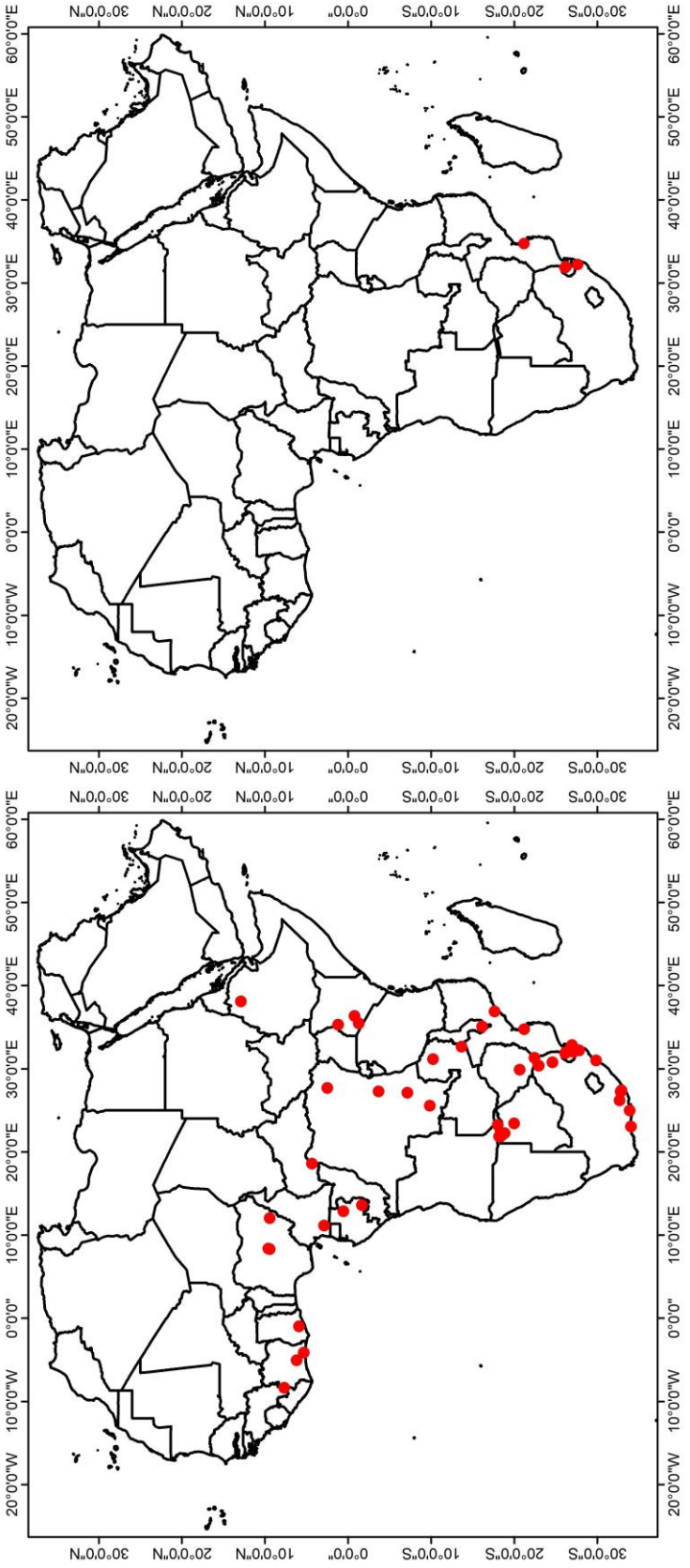

Distribution maps for *Kerivoula lanosa* (A. Smith, 1847)
(left: all voucher specimens; right: voucher specimens collected since 1998).

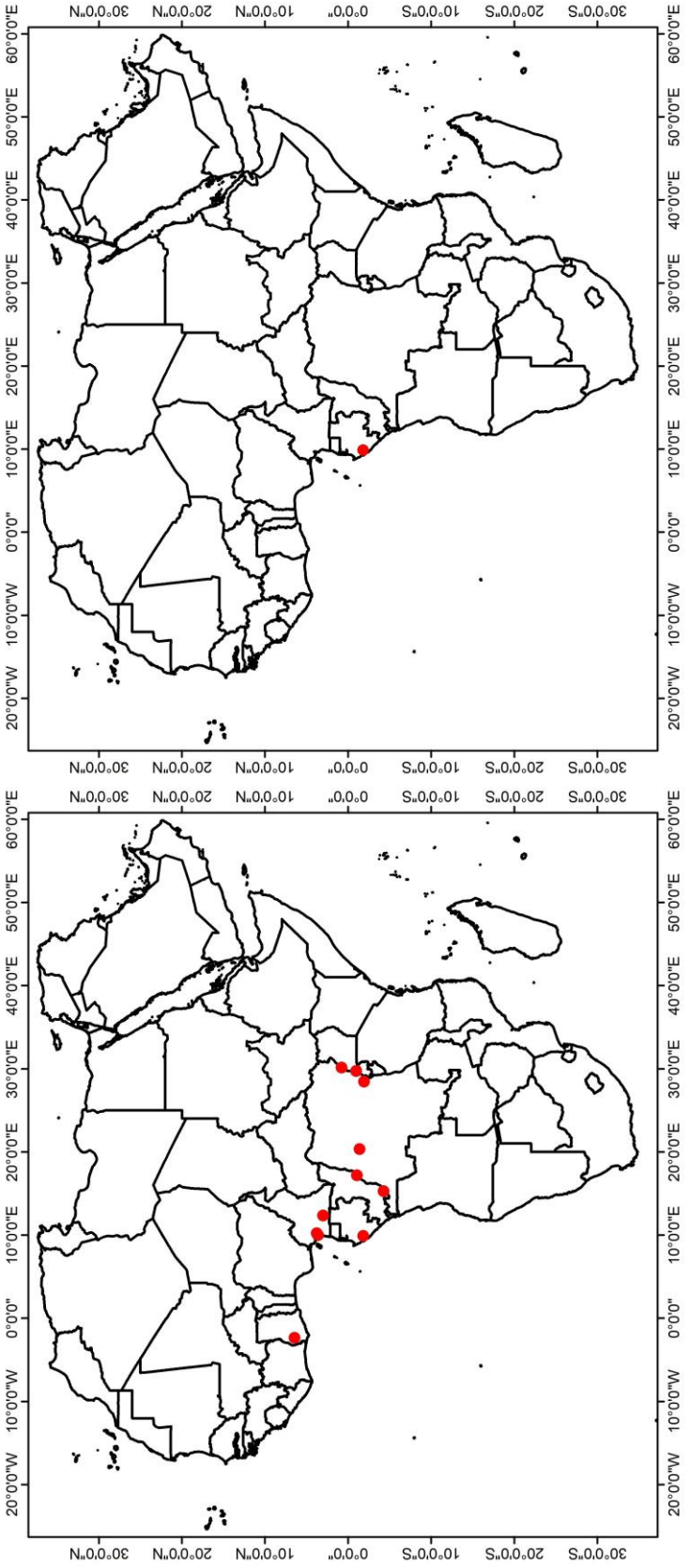

Distribution maps for *Kerivoula phalaena* Thomas, 1912
(left: all voucher specimens; right: voucher specimens collected since 1998).

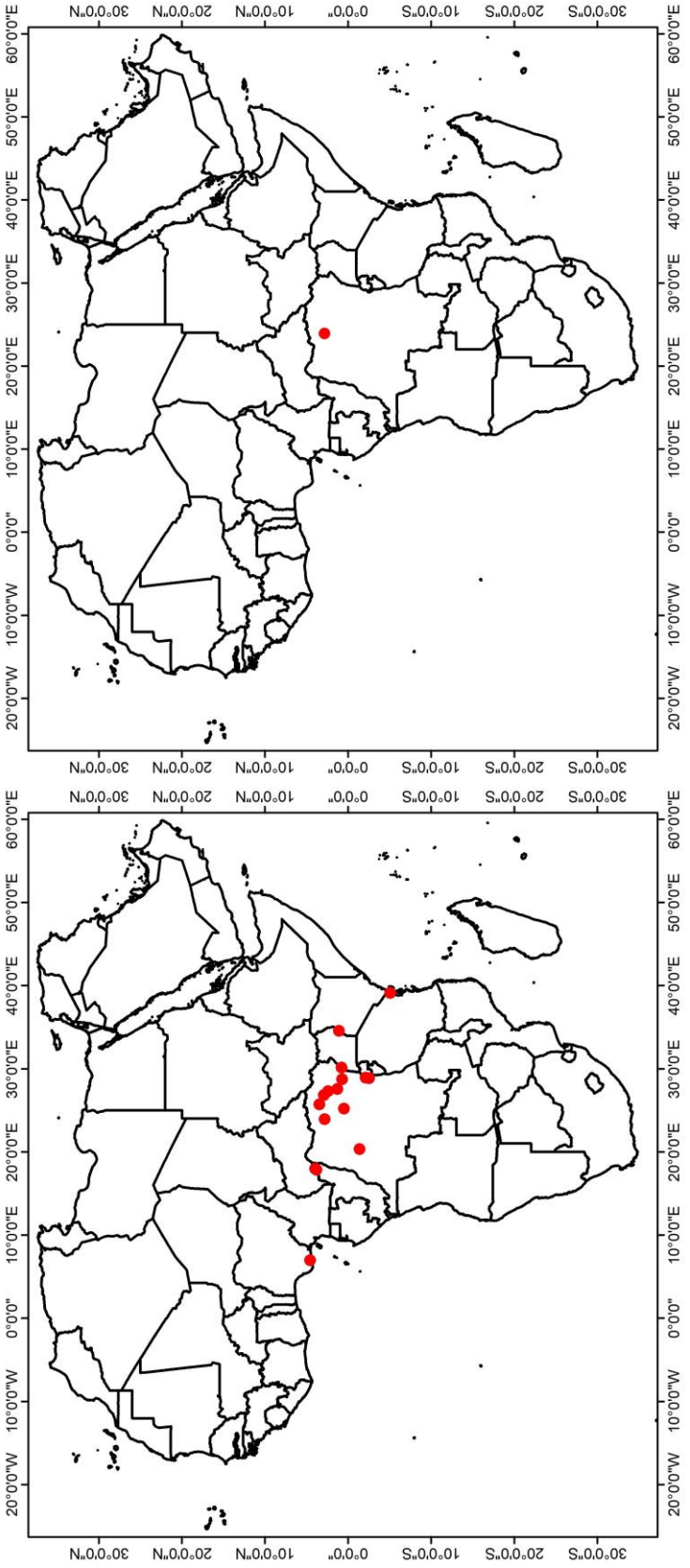

Distribution maps for *Kerivoula smithii* Thomas, 1880
(left: all voucher specimens; right: voucher specimens collected since 1998).

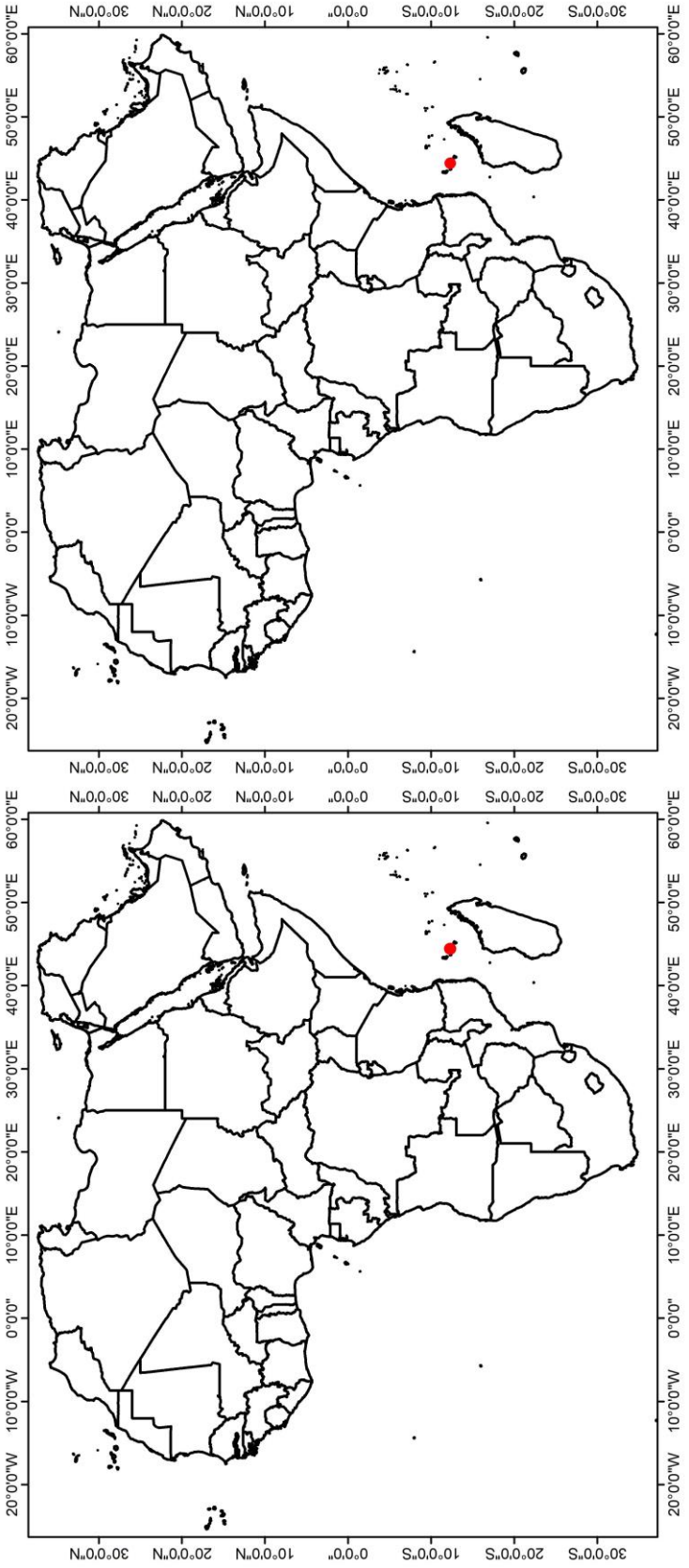

Distribution maps for *Myotis anjouanensis* (Dorst, 1960)
(left: all voucher specimens; right: voucher specimens collected since 1998).

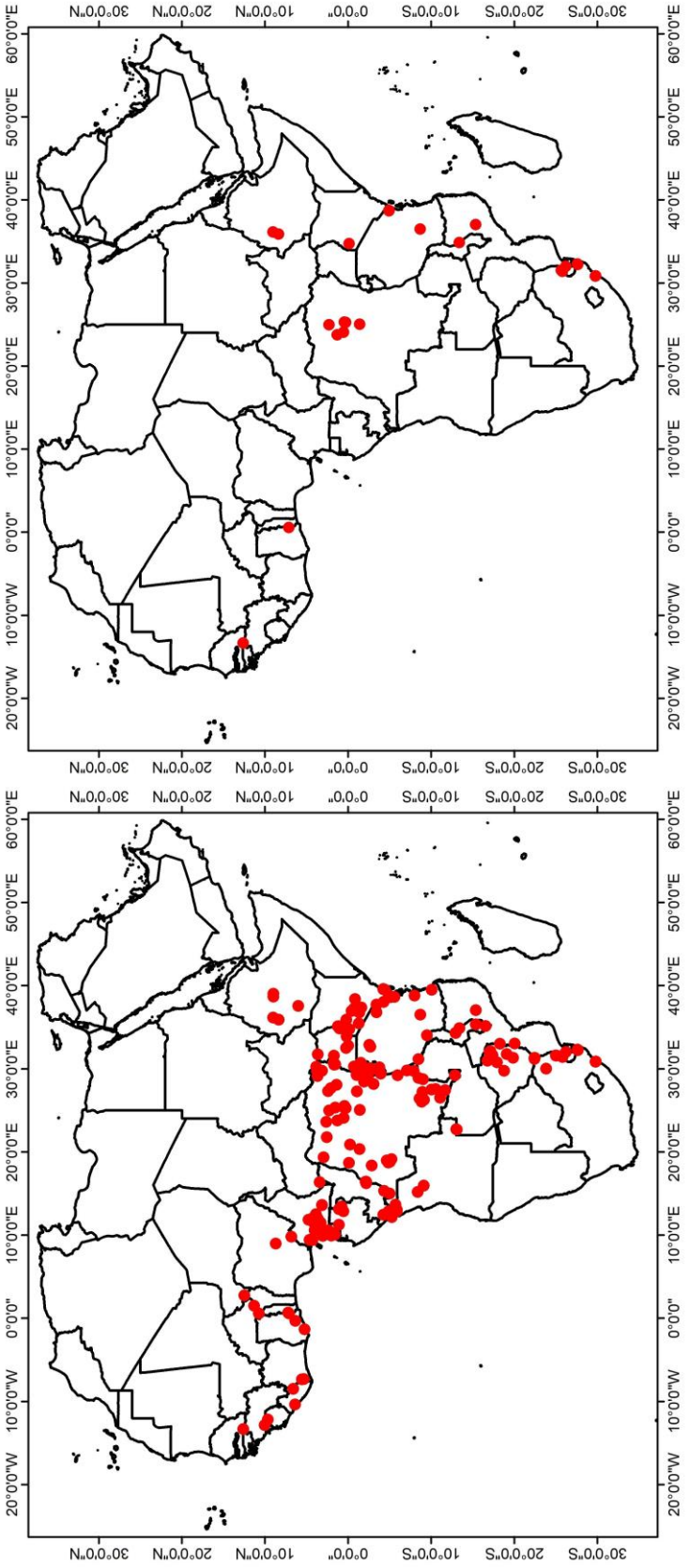

Distribution maps for *Myotis bocagii* (Peters, 1870)
(left: all voucher specimens; right: voucher specimens collected since 1998).

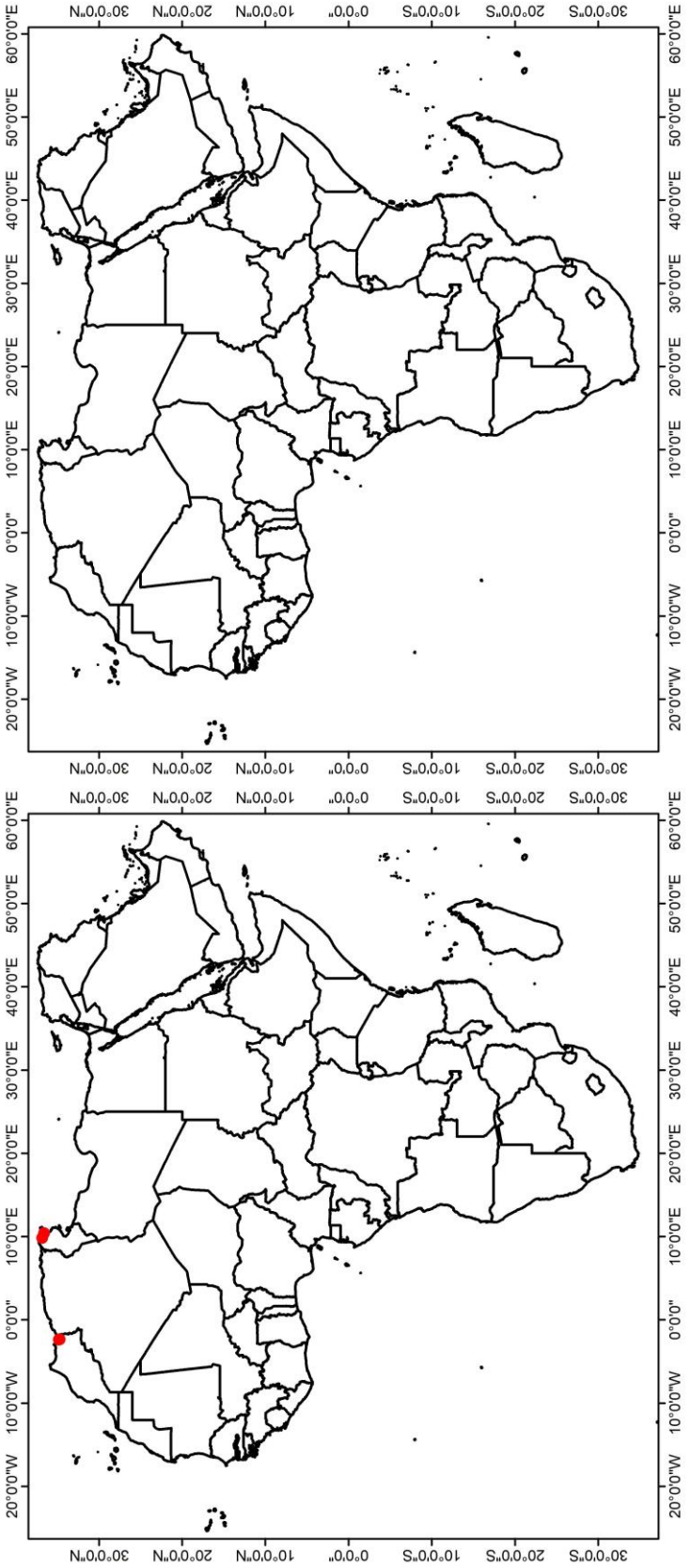

Distribution maps for *Myotis capaccinii* (Bonaparte, 1837)
(left: all voucher specimens; right: voucher specimens collected since 1998).

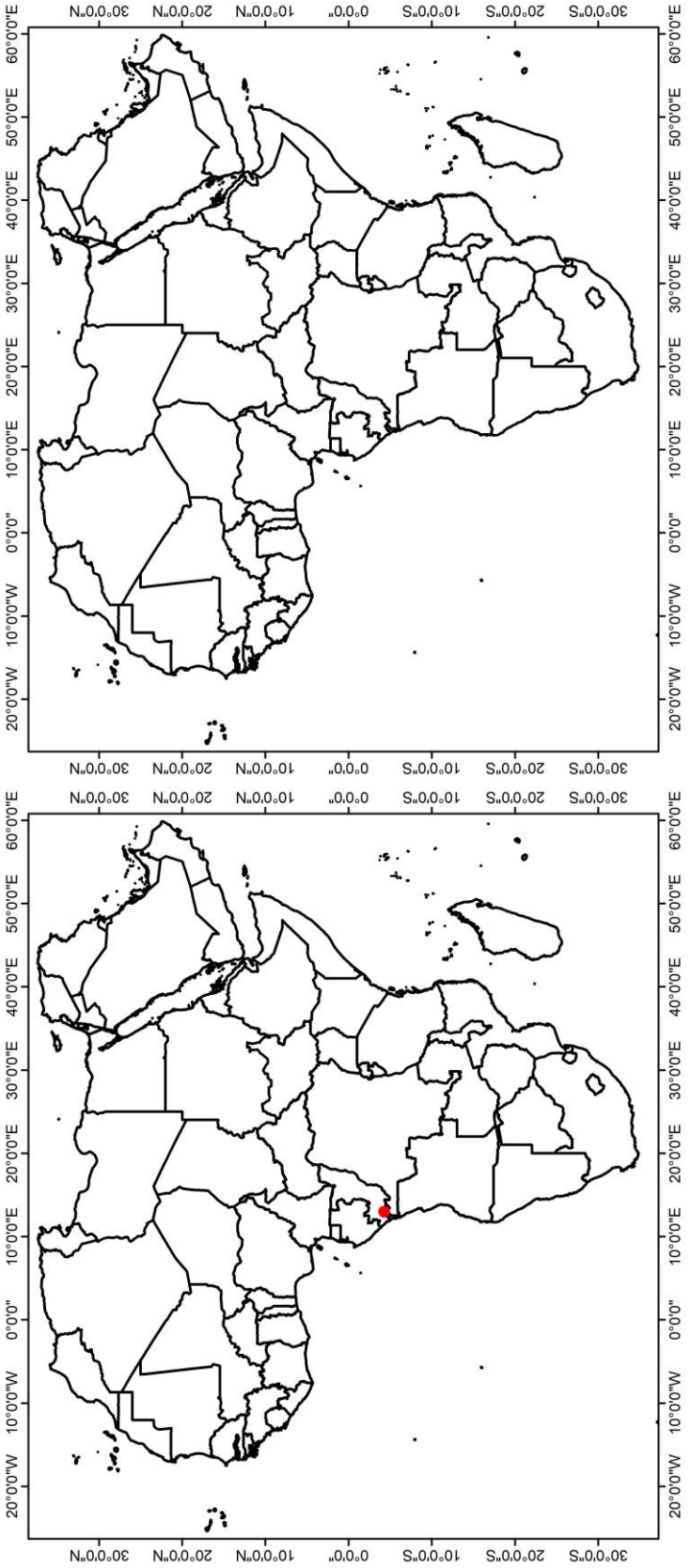

Distribution maps for *Myotis dieteri* M. Happold, 2005
(left: all voucher specimens; right: voucher specimens collected since 1998).

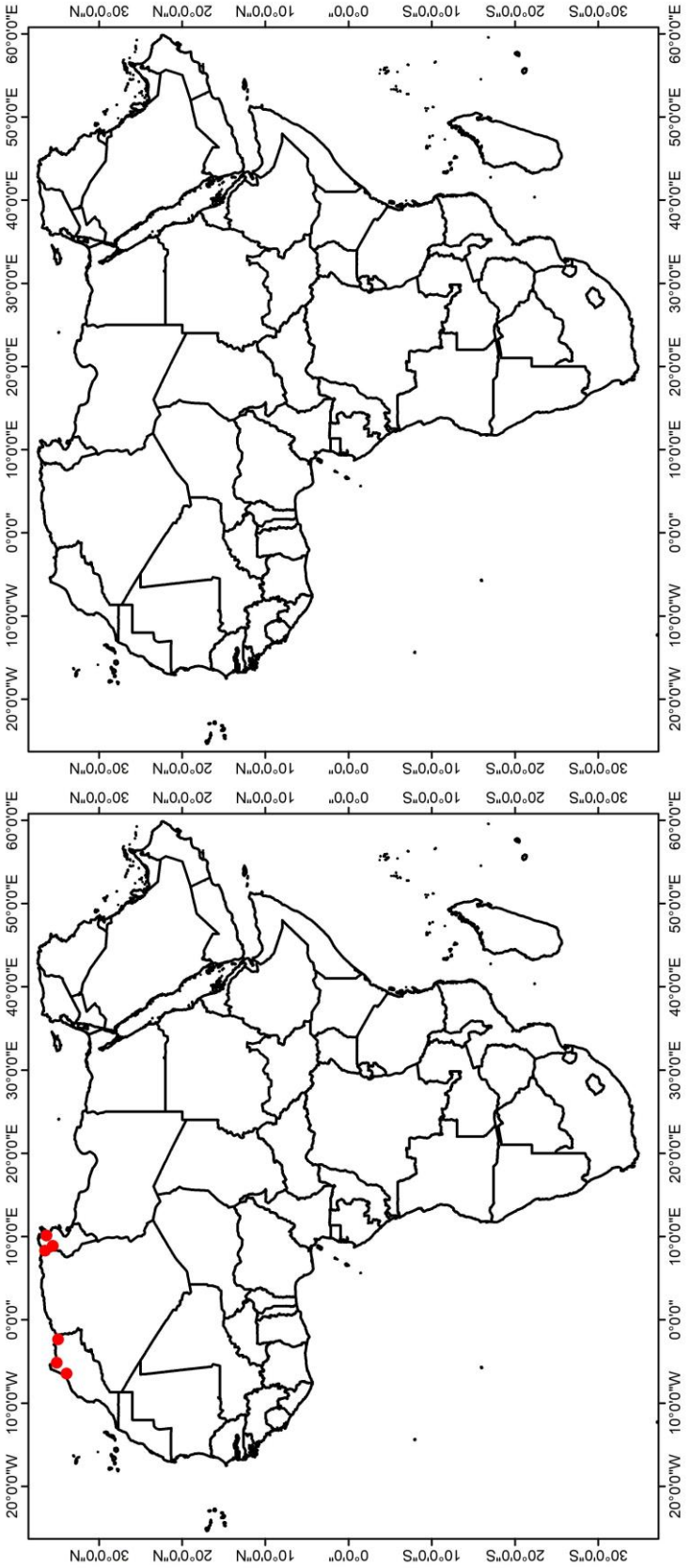

Distribution maps for *Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
(left: all voucher specimens; right: voucher specimens collected since 1998).

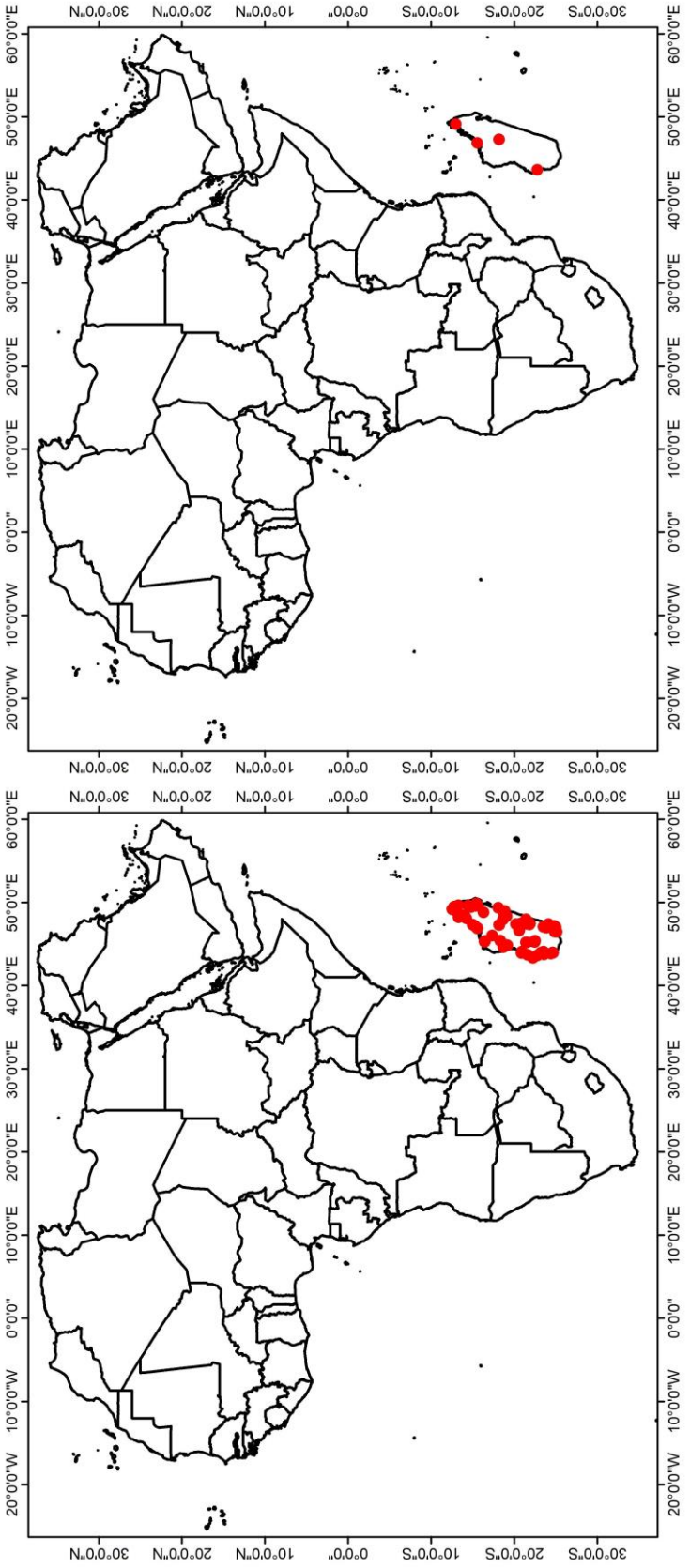

Distribution maps for *Myotis goudoti* (A. Smith, 1834)
(left: all voucher specimens; right: voucher specimens collected since 1998).

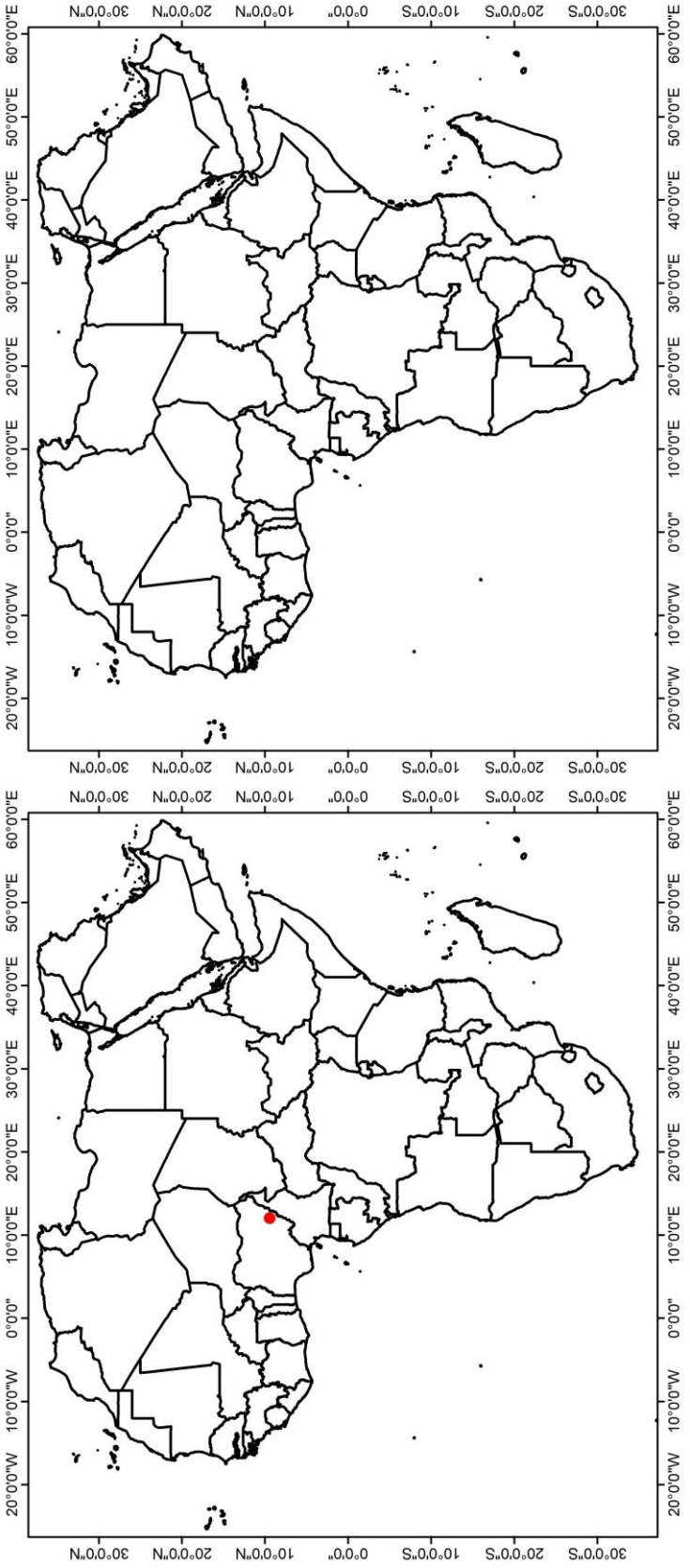

Distribution maps for *Myotis morrisi* Hill, 1971
(left: all voucher specimens; right: voucher specimens collected since 1998).

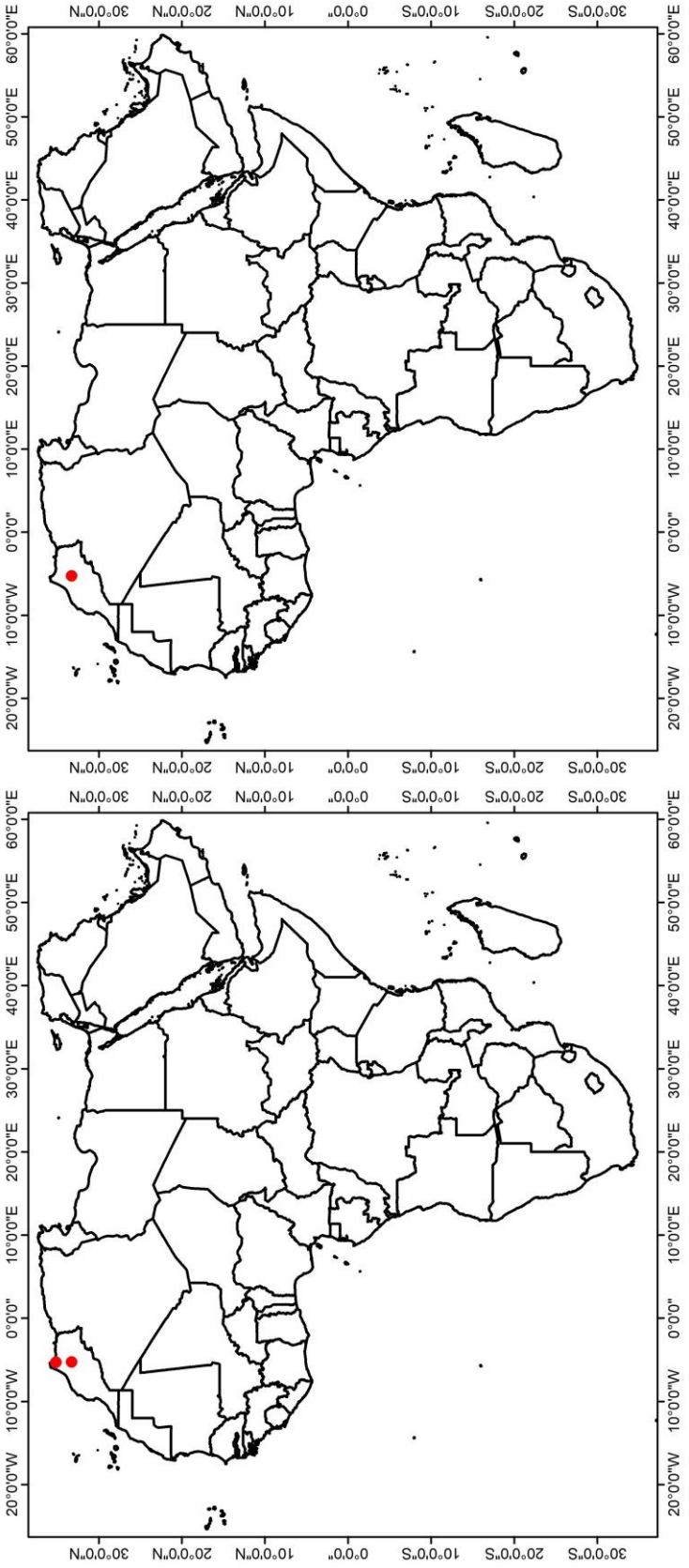

Distribution maps for *Myotis mystacinus* (Kuhl, 1817)
(left: all voucher specimens; right: voucher specimens collected since 1998).

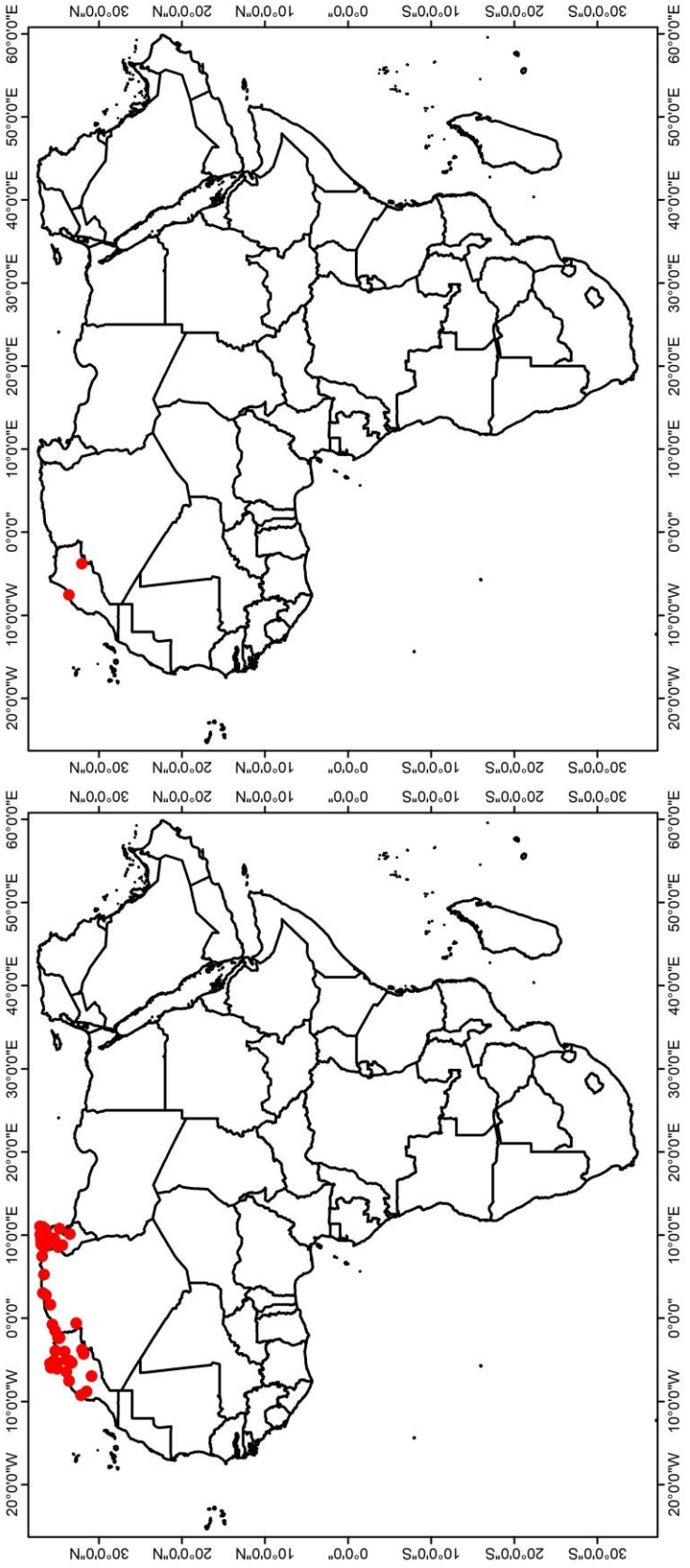

Distribution maps for *Myotis punicus* Felten, 1977
(left: all voucher specimens; right: voucher specimens collected since 1998).

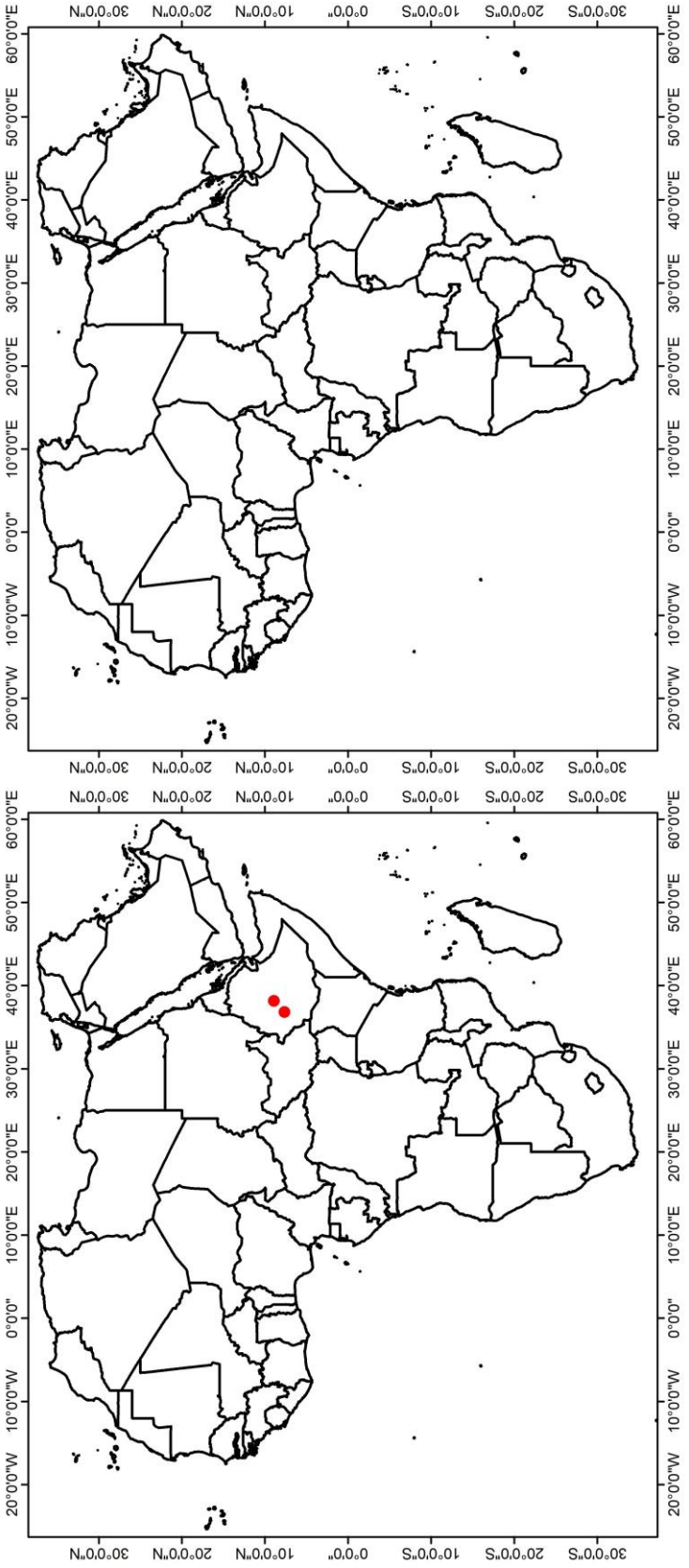

Distribution maps for *Myotis scotti* Thomas, 1927
(left: all voucher specimens; right: voucher specimens collected since 1998).

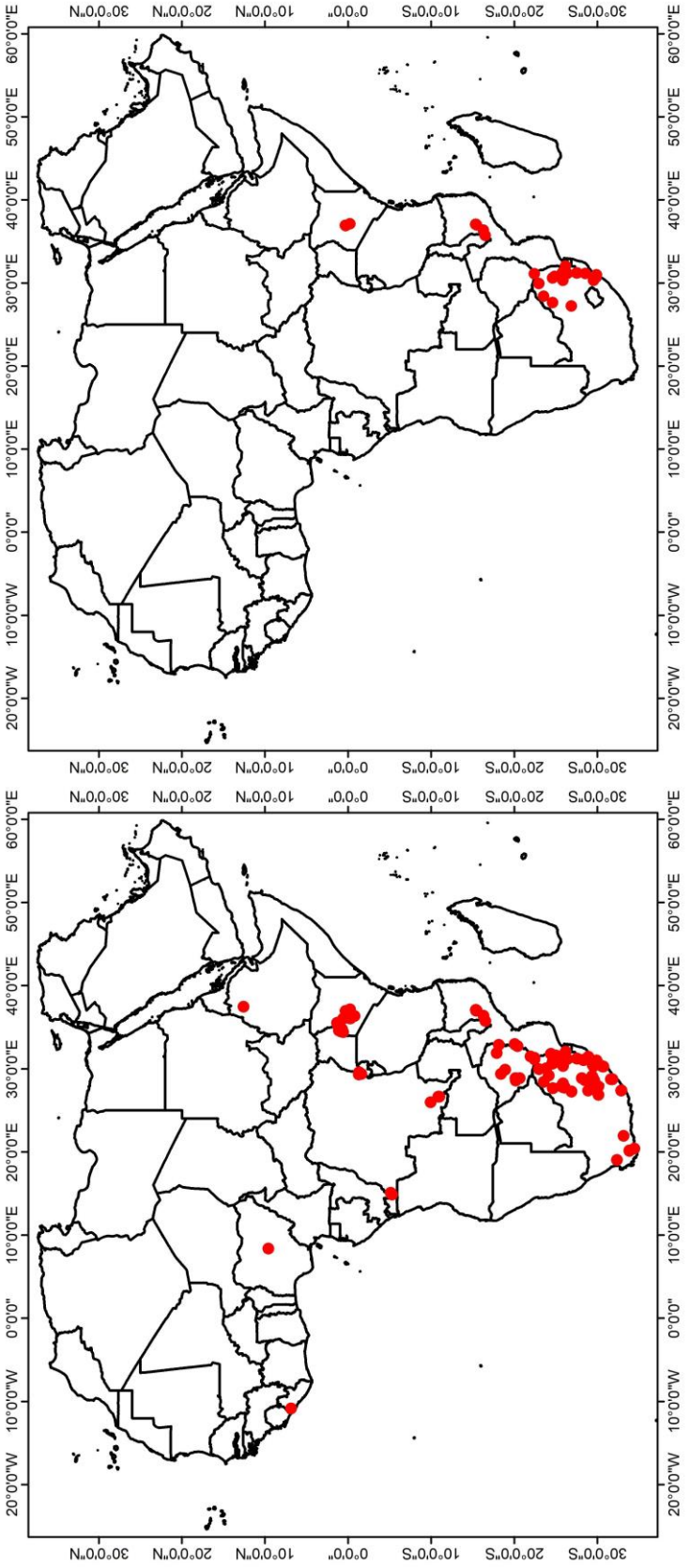

Distribution maps for *Myotis tricolor* (Temminck, 1832)
(left: all voucher specimens; right: voucher specimens collected since 1998).

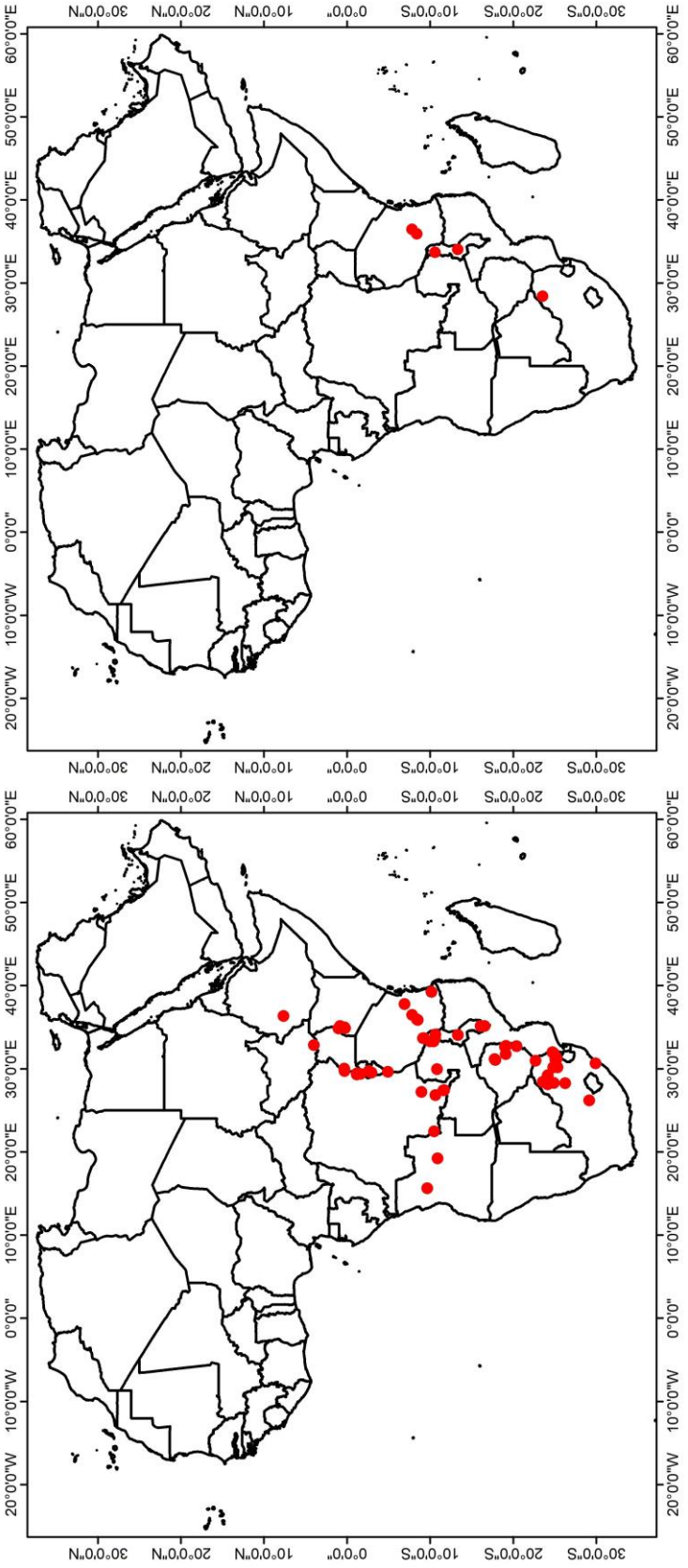

Distribution maps for *Myotis welwitschii* (Gray, 1866)
(left: all voucher specimens; right: voucher specimens collected since 1998).

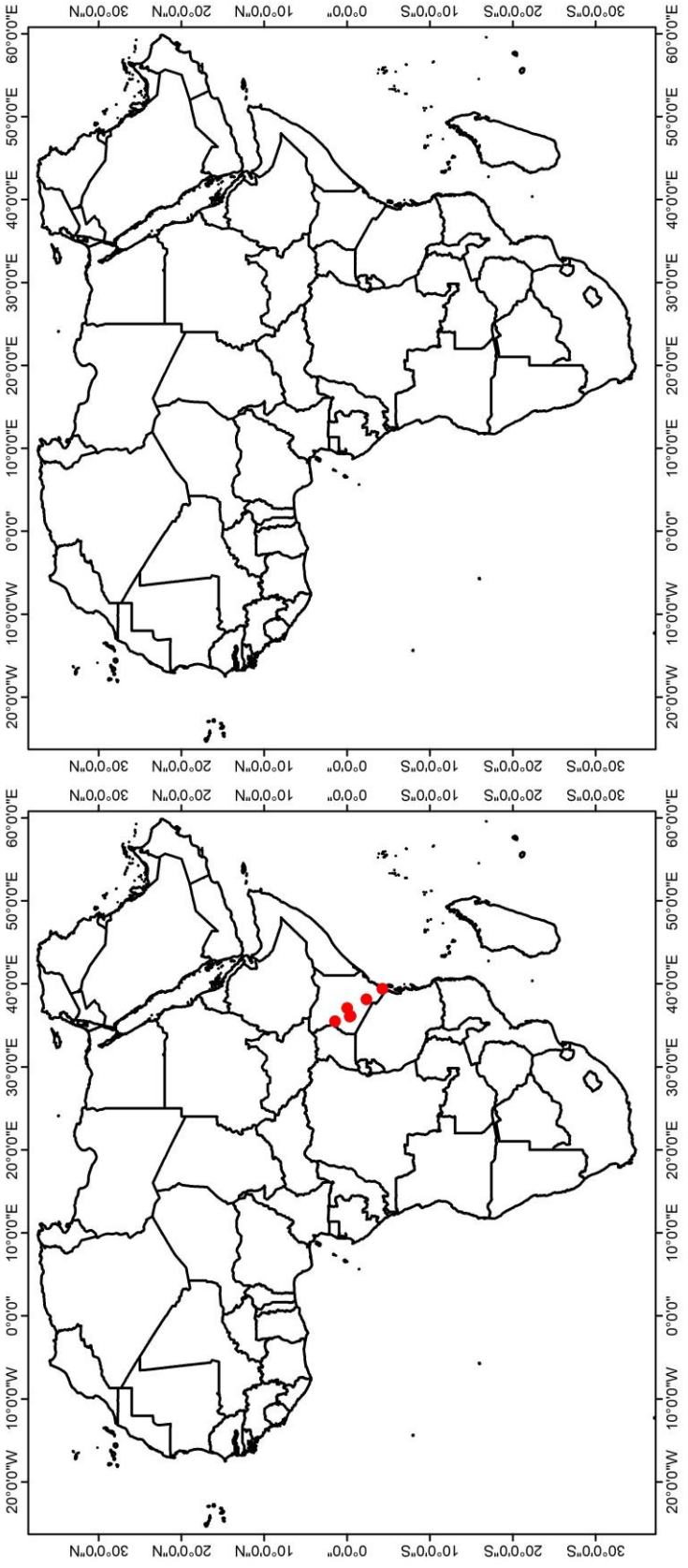

Distribution maps for *Scotophilus andrewreborii* Brooks and Bickham, 2014 (left: all voucher specimens; right: voucher specimens collected since 1998).

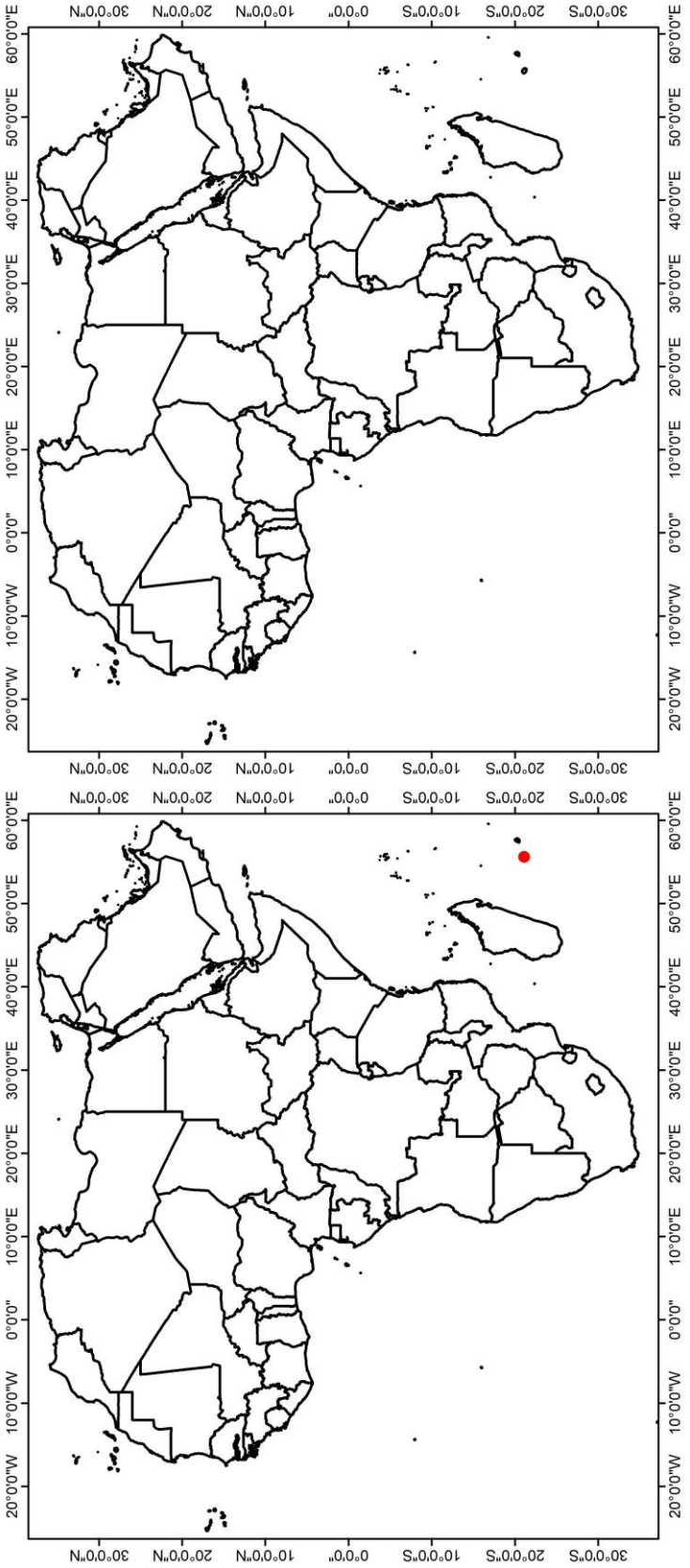

Distribution maps for *Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
(left: all voucher specimens; right: voucher specimens collected since 1998).

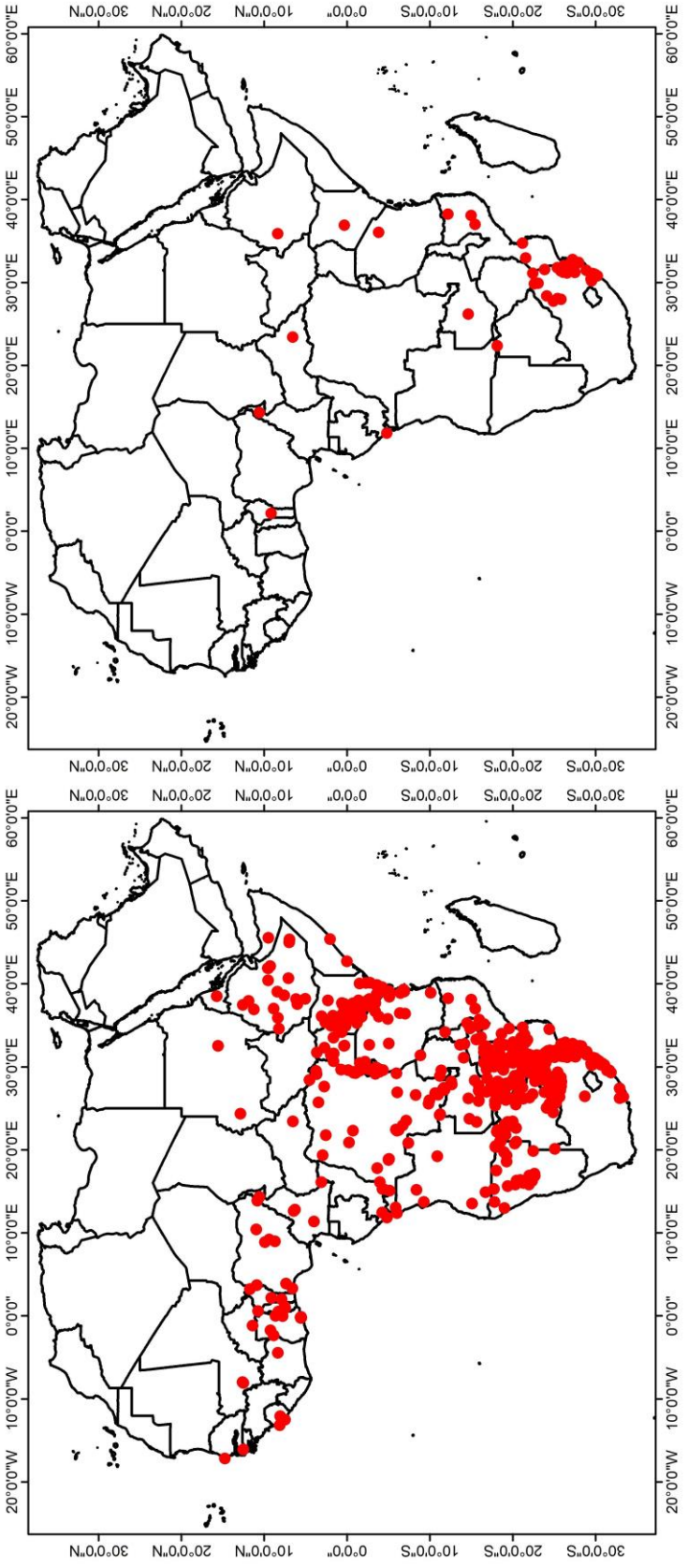

Distribution maps for *Scotophilus dinganii* (A. Smith, 1833)
(left: all voucher specimens; right: voucher specimens collected since 1998).

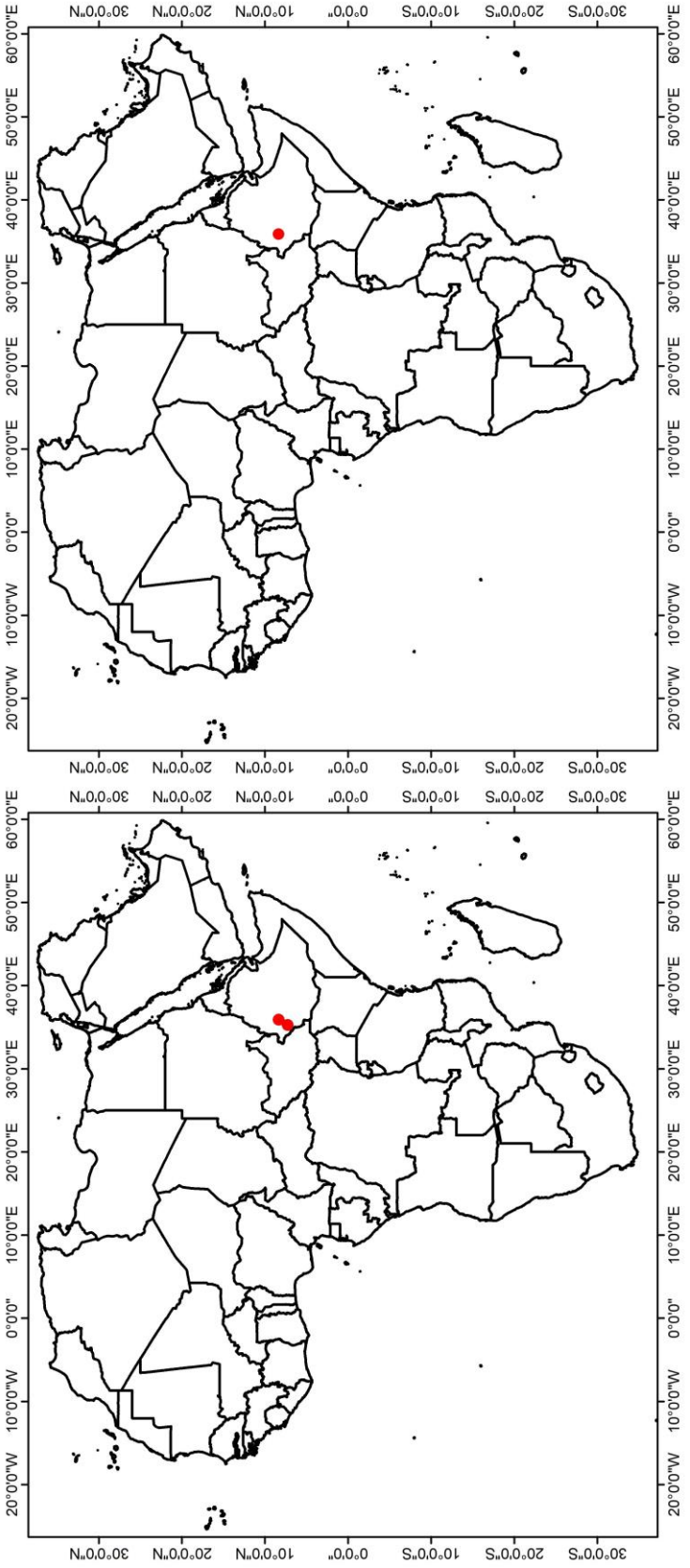

Distribution maps for *Scotophilus ejetai* Brooks and Bickham, 2014
(left: all voucher specimens; right: voucher specimens collected since 1998).

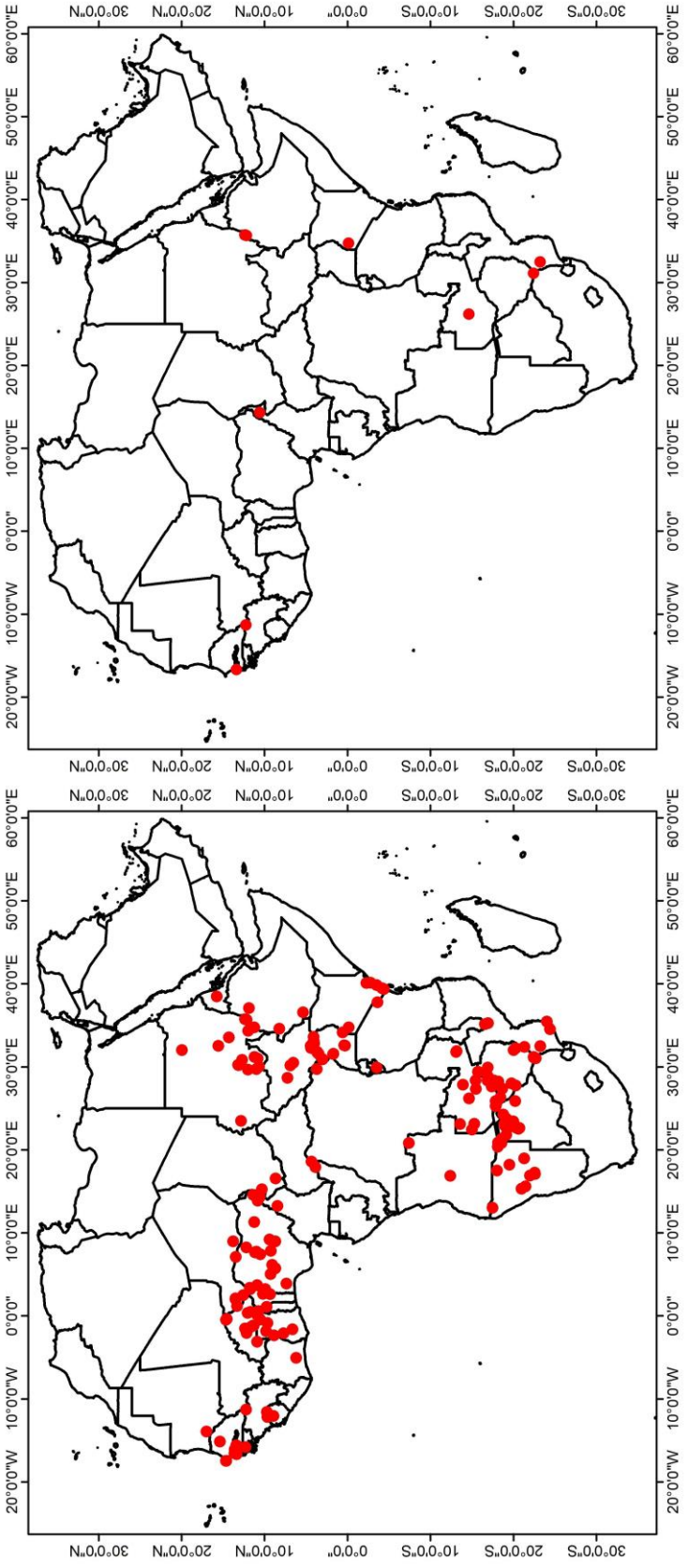

Distribution maps for *Scotophilus leucogaster* (Cretzschmar, 1826)
(left: all voucher specimens; right: voucher specimens collected since 1998).

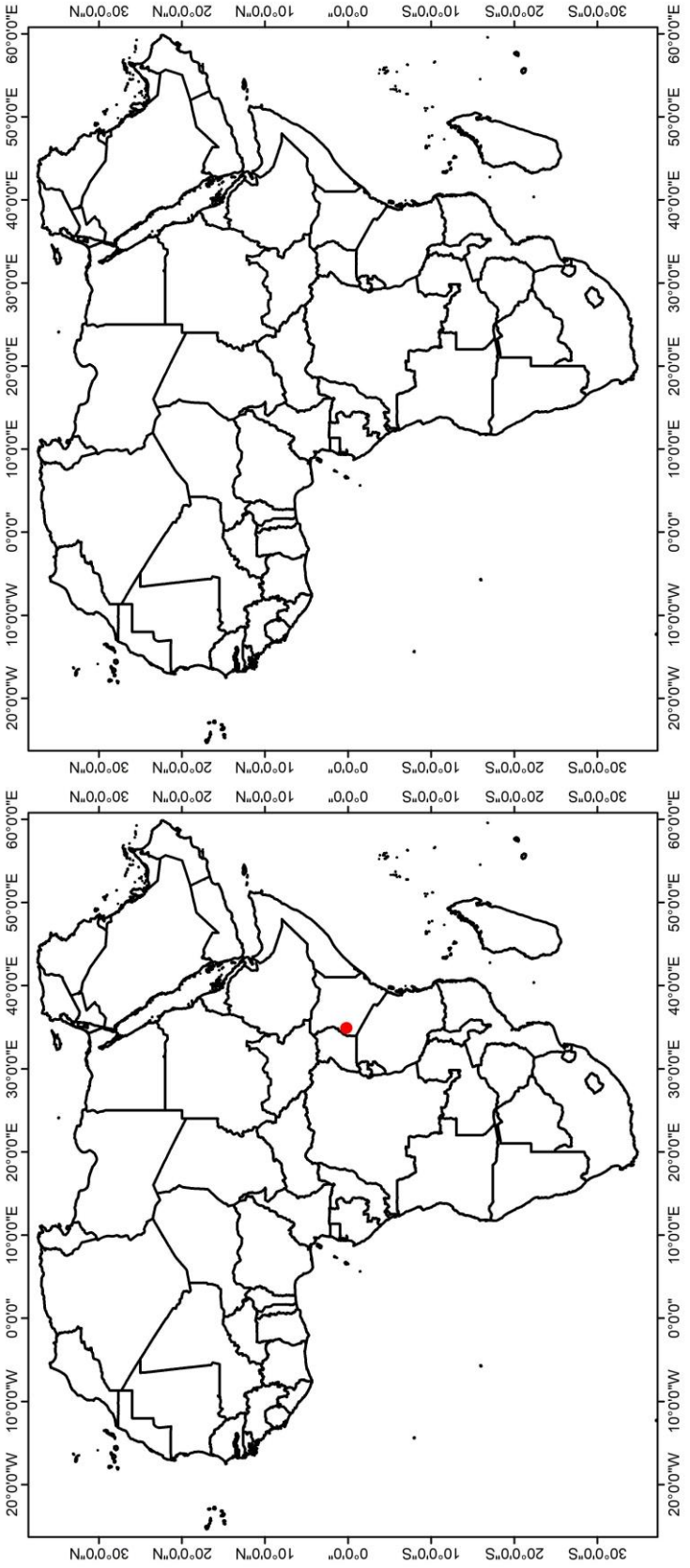

Distribution maps for *Scotophilus livingstonii* Brooks and Bickham, 2014
(left: all voucher specimens; right: voucher specimens collected since 1998).

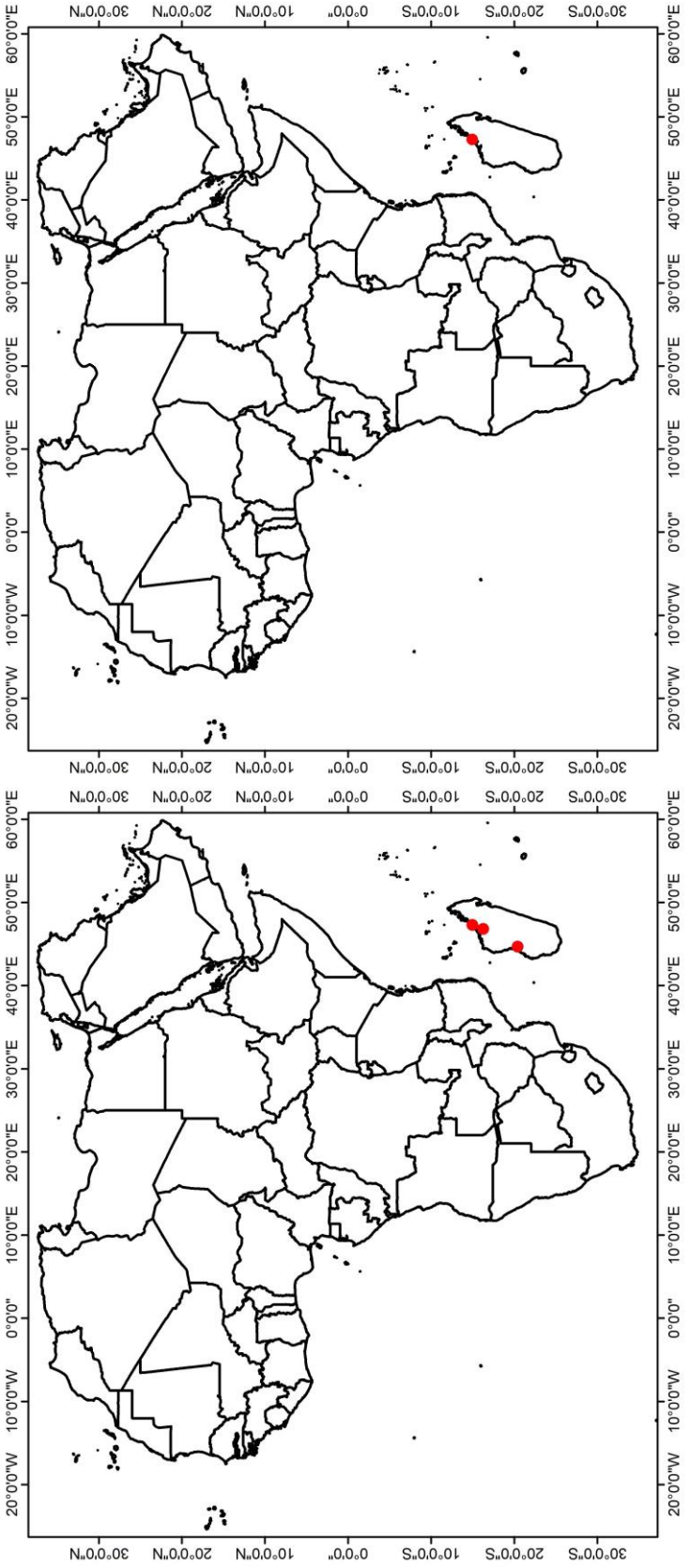

Distribution maps for *Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006 (left: all voucher specimens; right: voucher specimens collected since 1998).

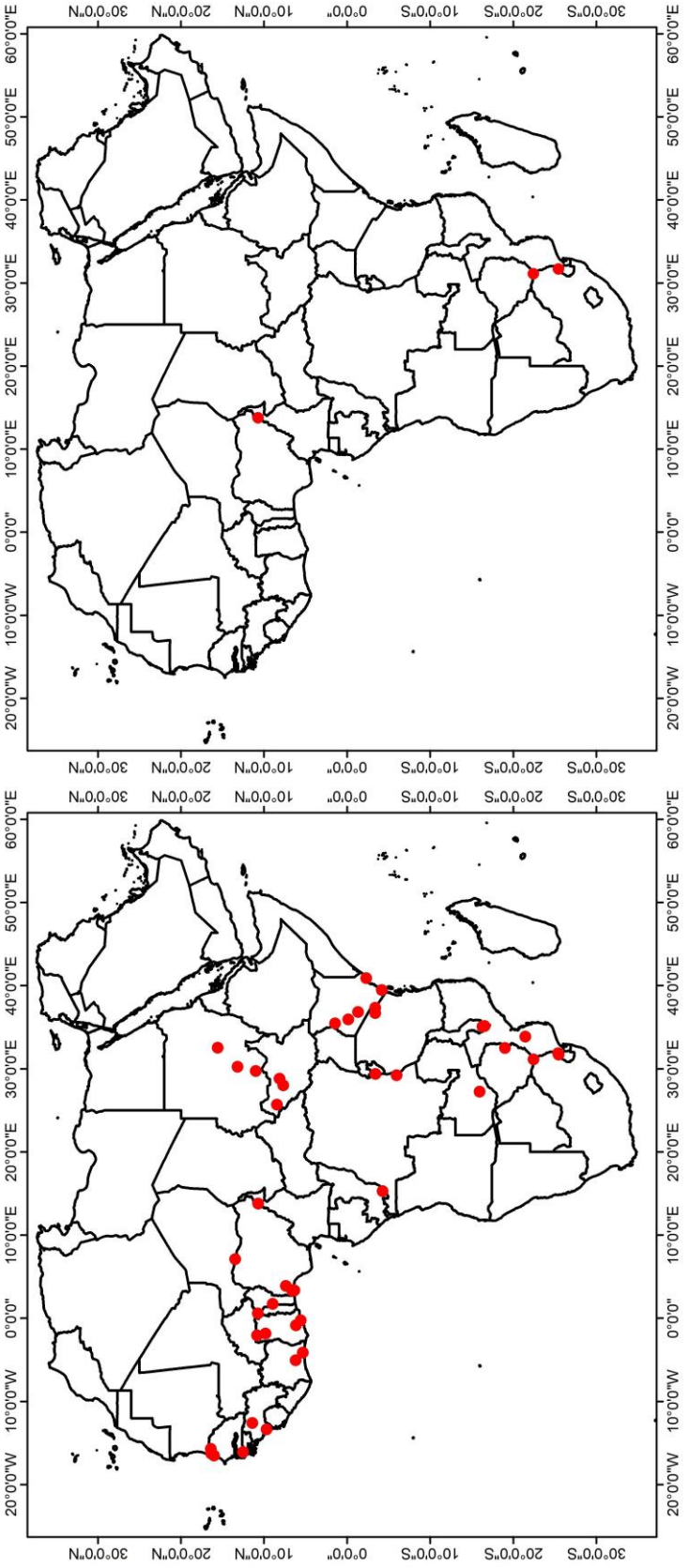

Distribution maps for *Scotophilus nigrita* (Schreber, 1774)
(left: all voucher specimens; right: voucher specimens collected since 1998).

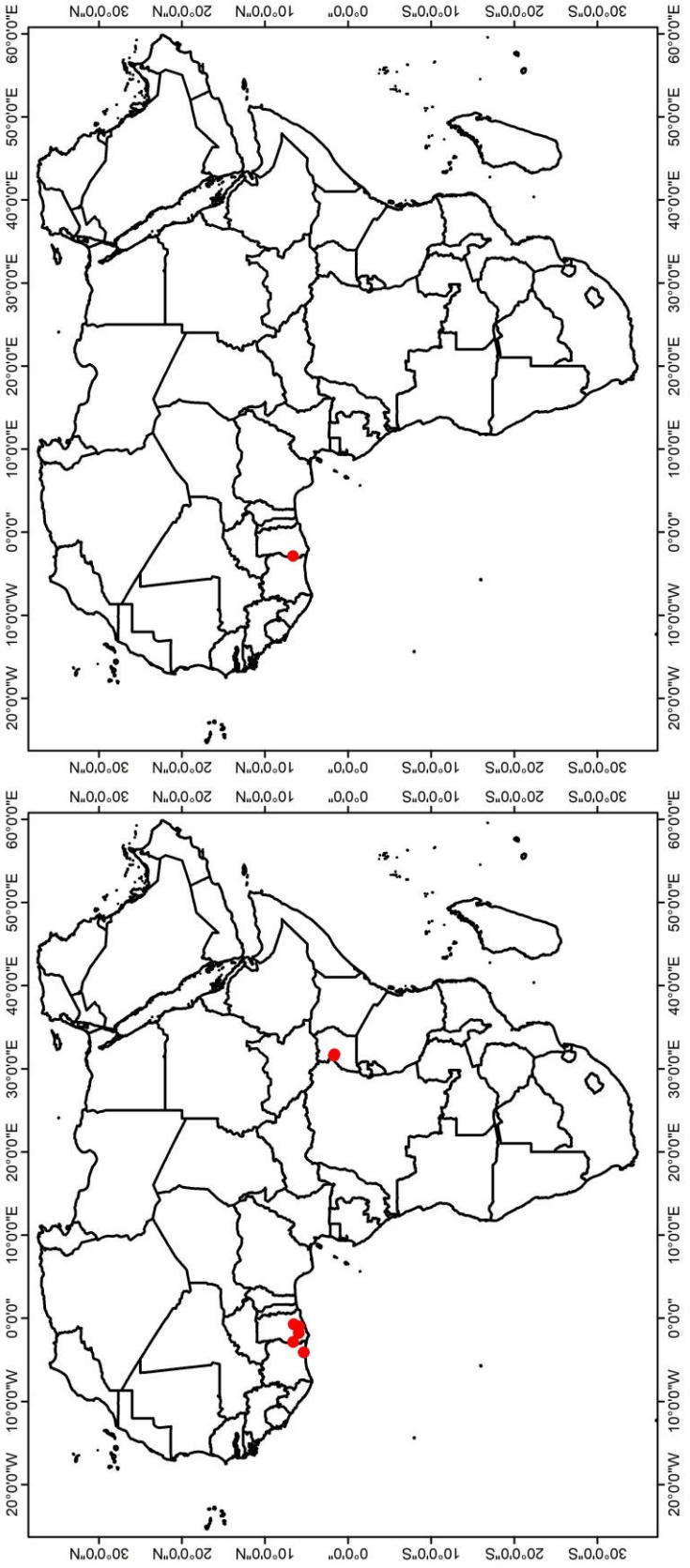

Distribution maps for *Scotophilus nucella* Robbins, 1983
(left: all voucher specimens; right: voucher specimens collected since 1998).

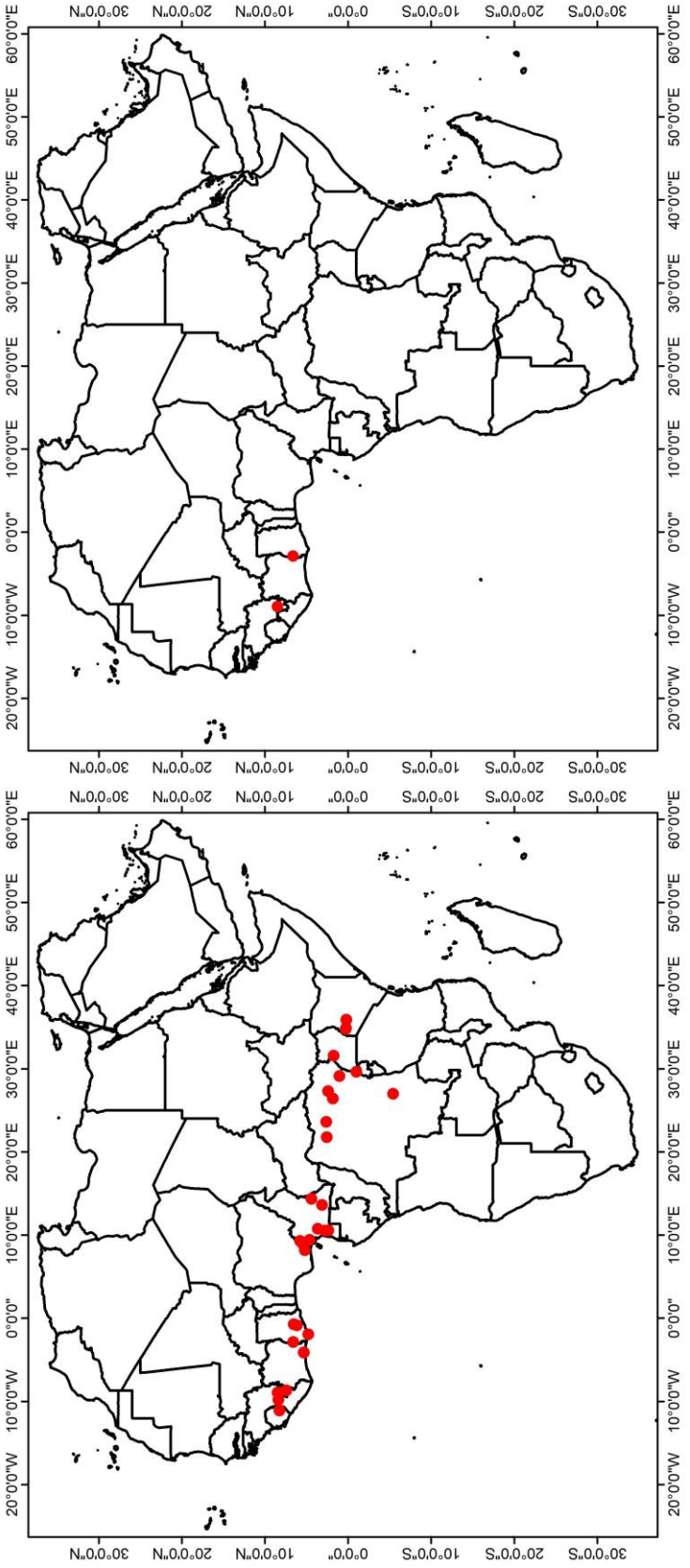

Distribution maps for *Scotophilus nux* Thomas, 1904
(left: all voucher specimens; right: voucher specimens collected since 1998).

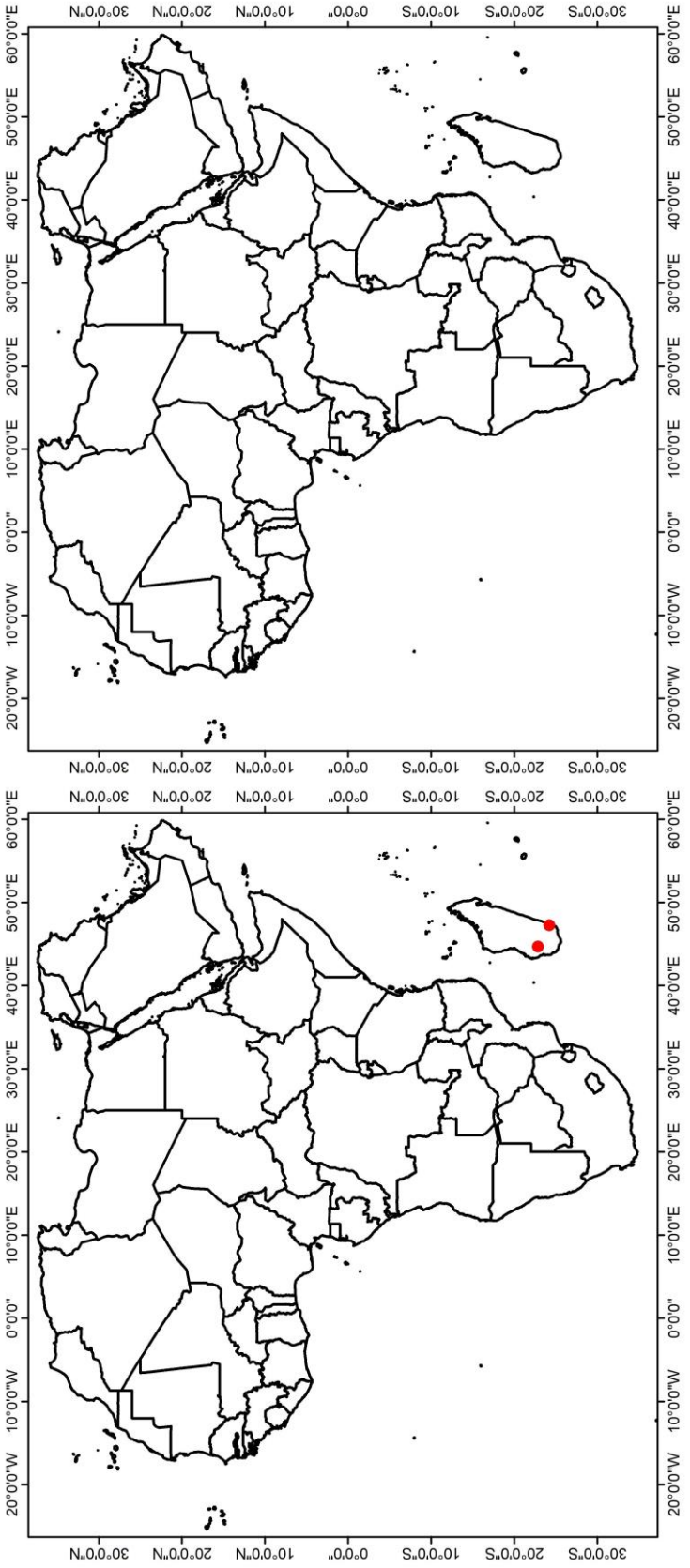

Distribution maps for *Scotophilus robustus* A. Milne-Edwards, 1881
(left: all voucher specimens; right: voucher specimens collected since 1998).

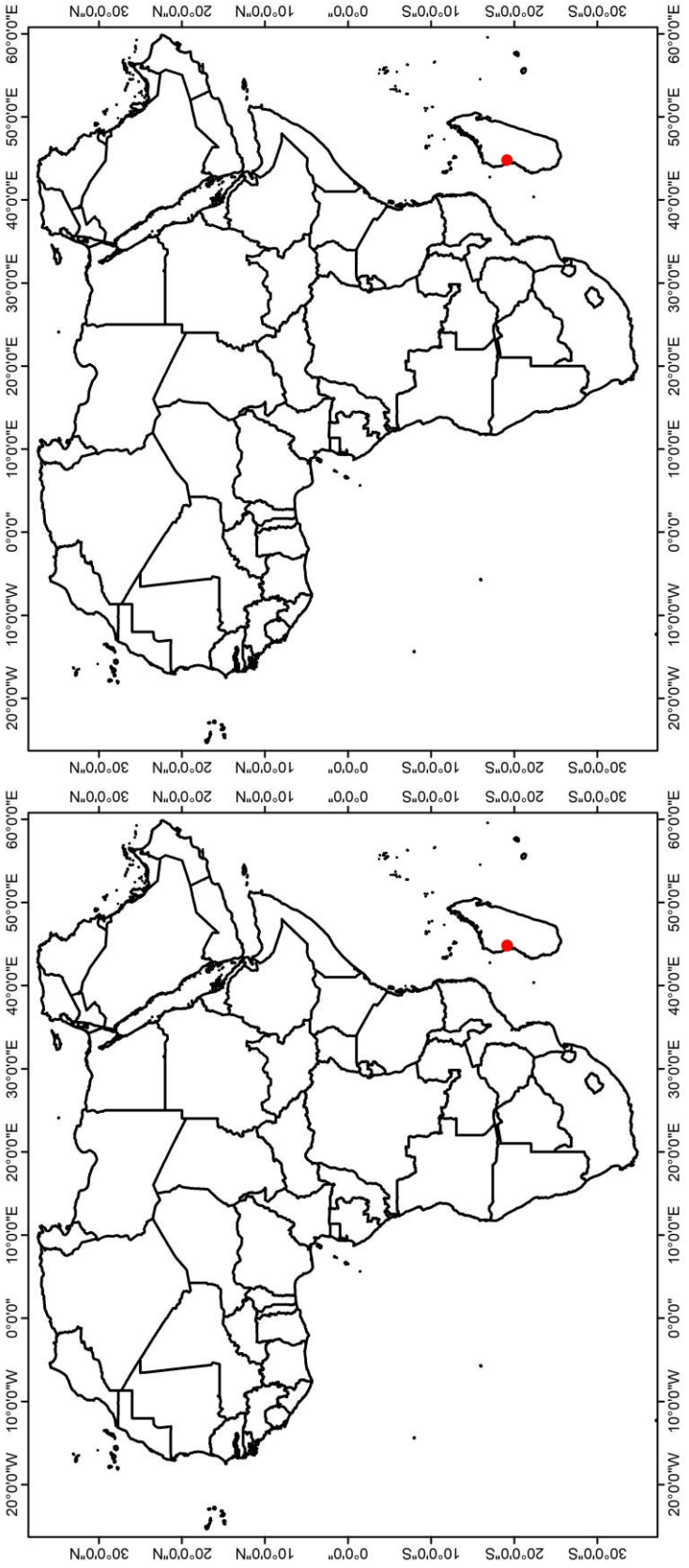

Distribution maps for *Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
(left: all voucher specimens; right: voucher specimens collected since 1998).

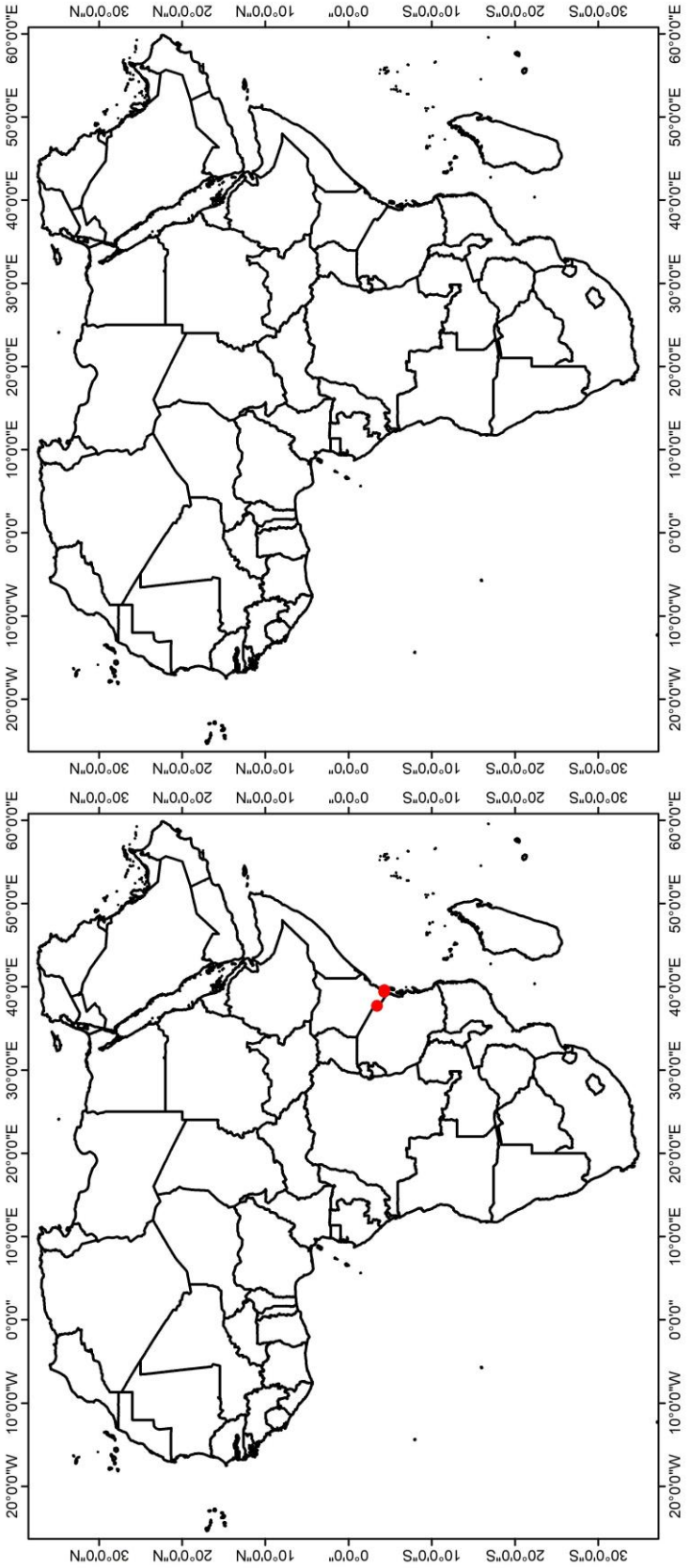

Distribution maps for *Scotophilus trujilloi* Brooks and Bickham, 2014
(left: all voucher specimens; right: voucher specimens collected since 1998).

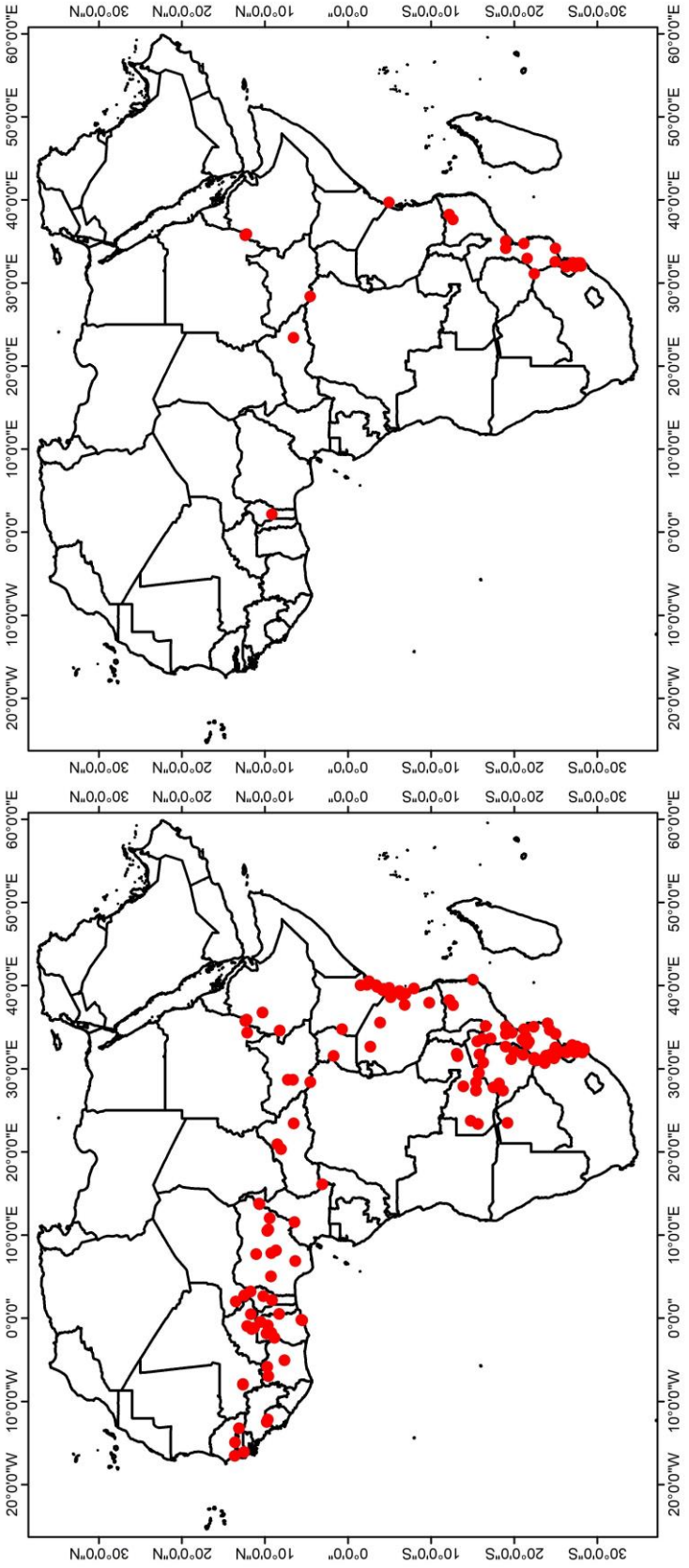

Distribution maps for *Scotophilus viridis* (Peters, 1852)
(left: all voucher specimens; right: voucher specimens collected since 1998).

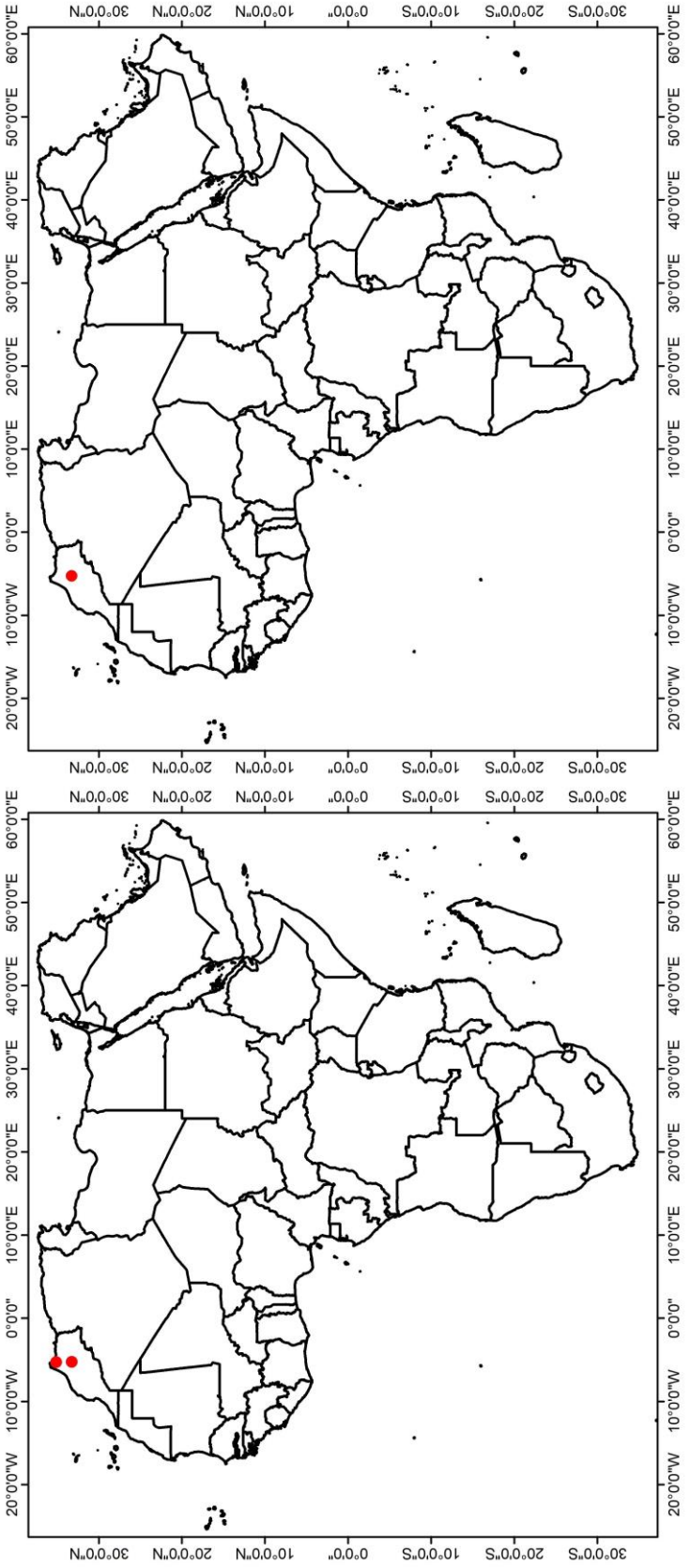

Distribution maps for *Barbastella barbastellus* (Schreber, 1774)
(left: all voucher specimens; right: voucher specimens collected since 1998).

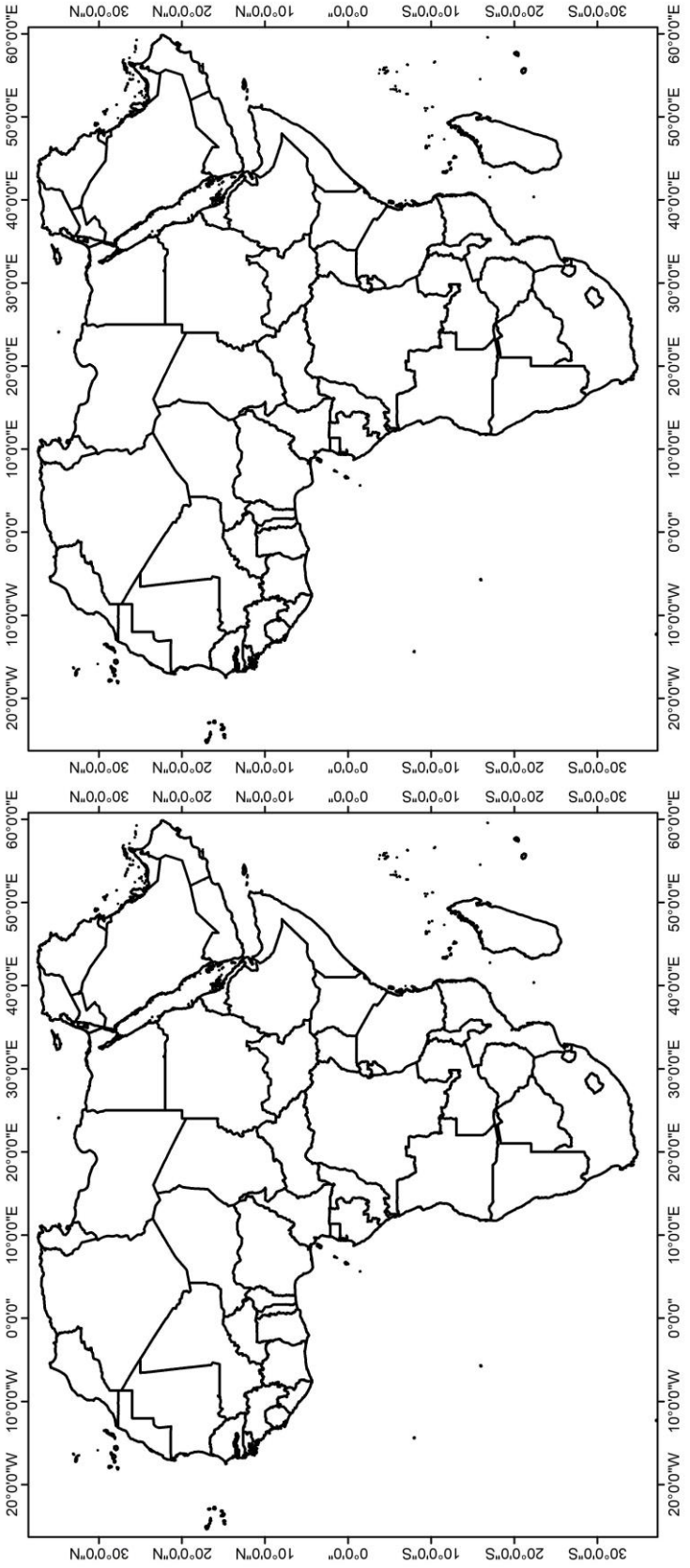

Distribution maps for *Barbastella leucomelas* (Cretzschmar, 1826)
(left: all voucher specimens; right: voucher specimens collected since 1998).

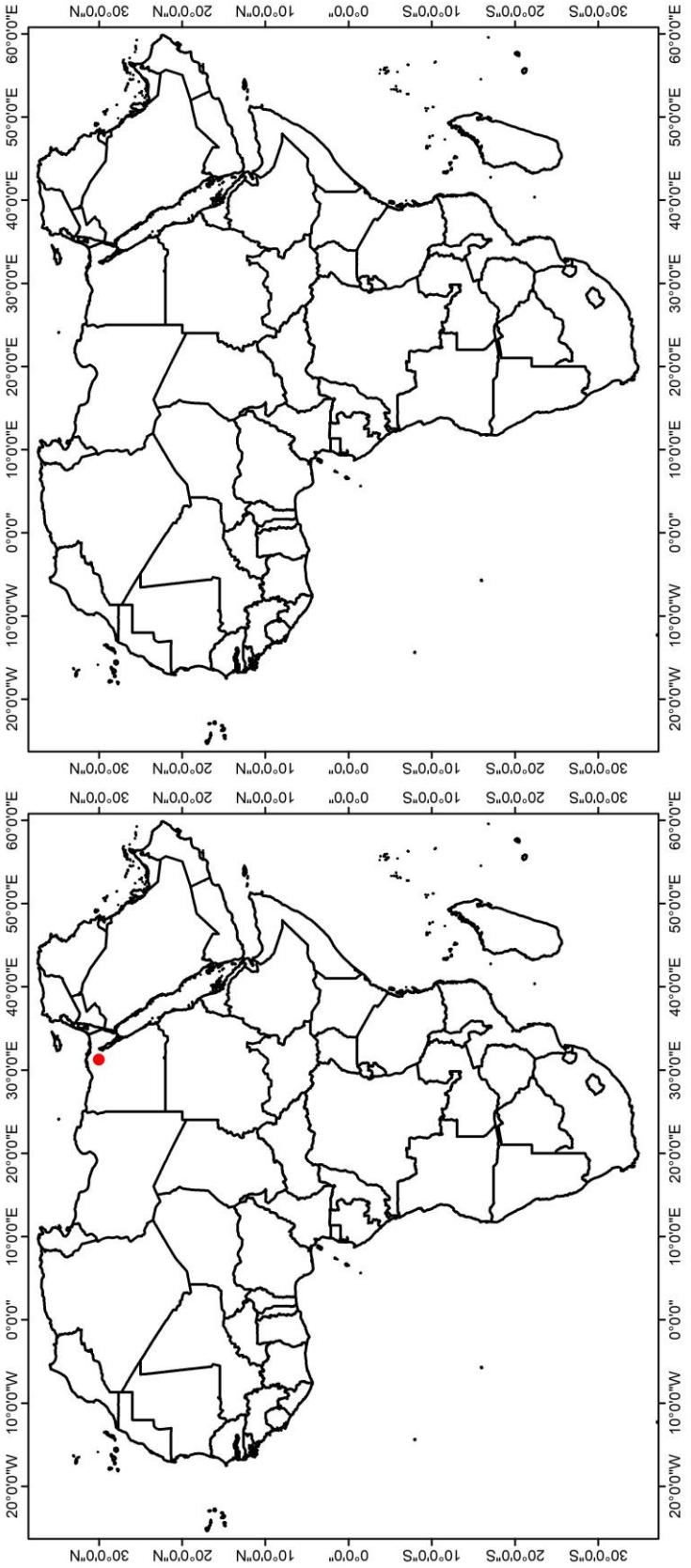

Distribution maps for *Eptesicus bottae* (Peters, 1869)
(left: all voucher specimens; right: voucher specimens collected since 1998).

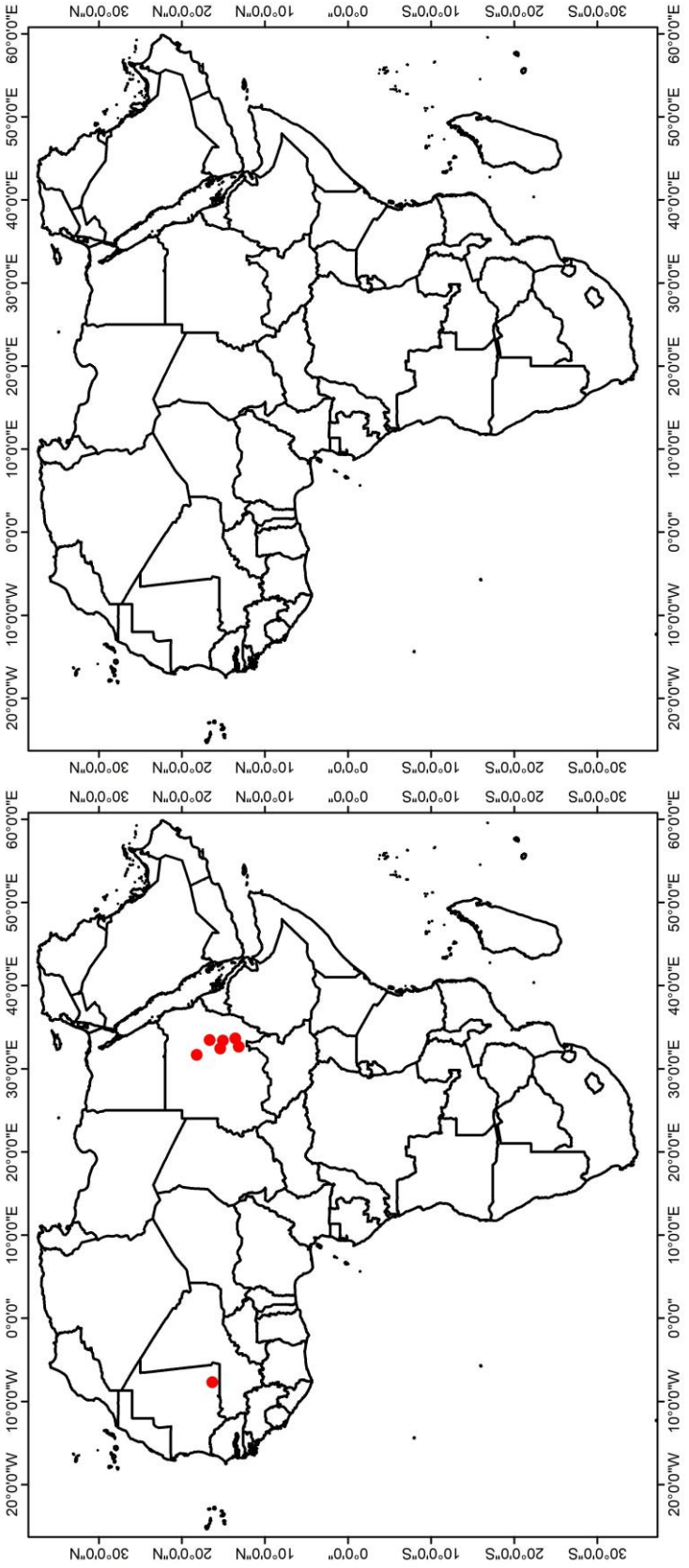

Distribution maps for *Eptesicus floweri* (de Winton, 1901)
(left: all voucher specimens; right: voucher specimens collected since 1998).

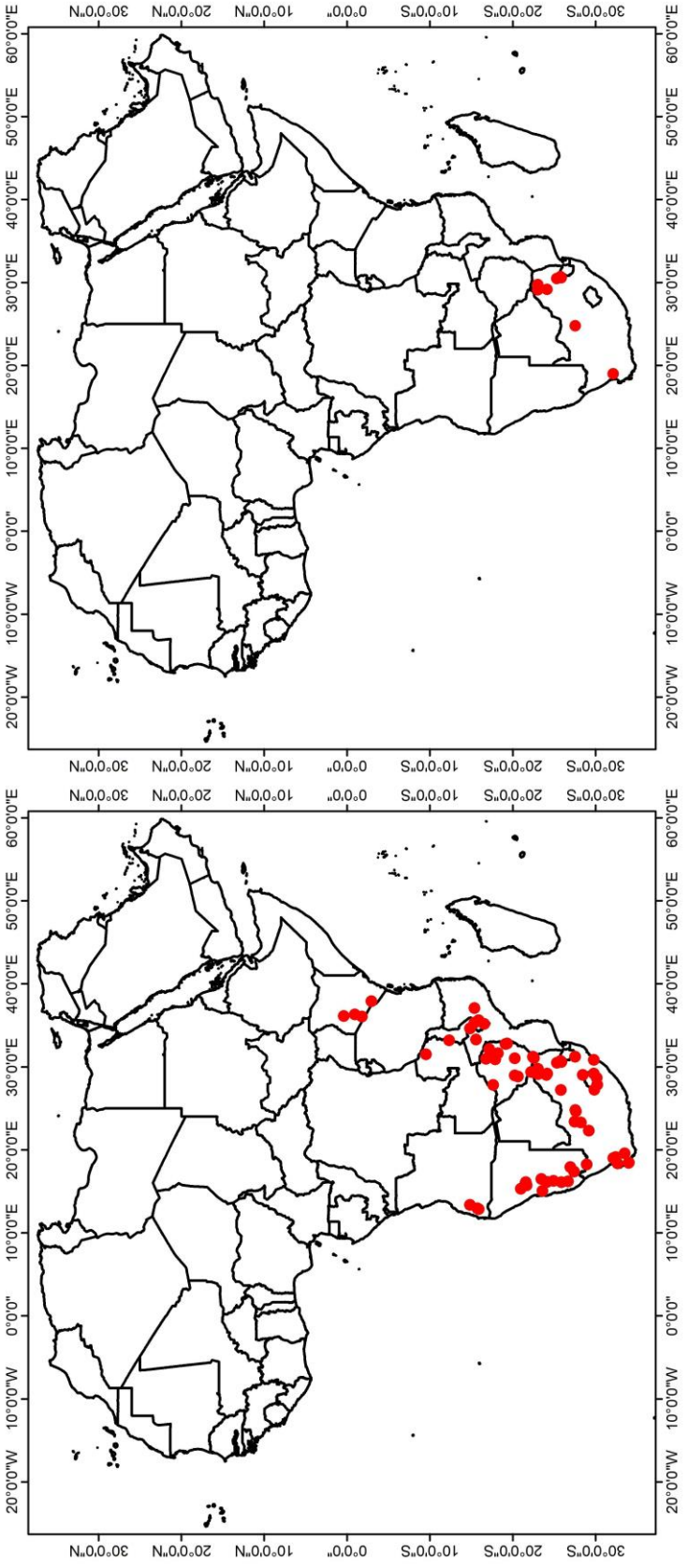

Distribution maps for *Eptesicus hottentotus* (A. Smith, 1833)
(left: all voucher specimens; right: voucher specimens collected since 1998).

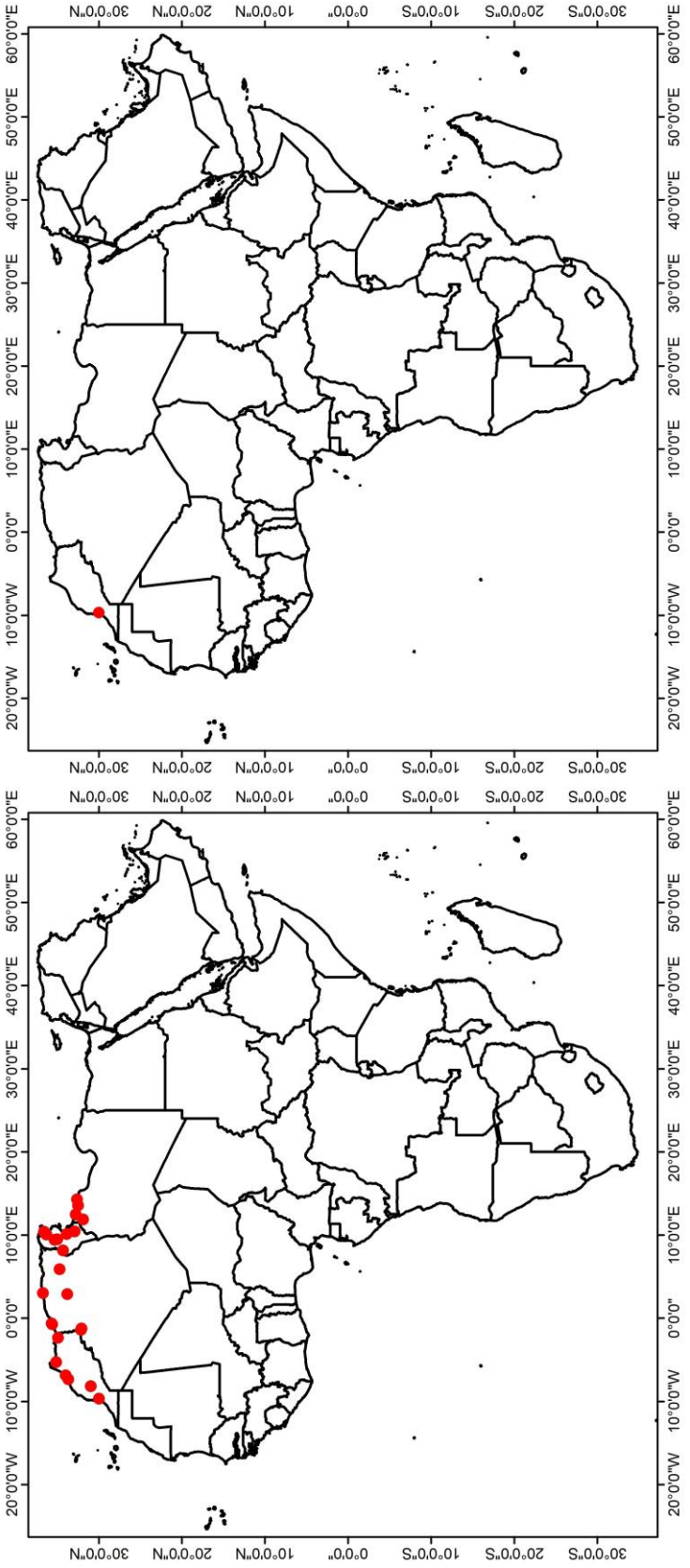

Distribution maps for *Eptesicus isabellinus* (Temminck, 1840)
(left: all voucher specimens; right: voucher specimens collected since 1998).

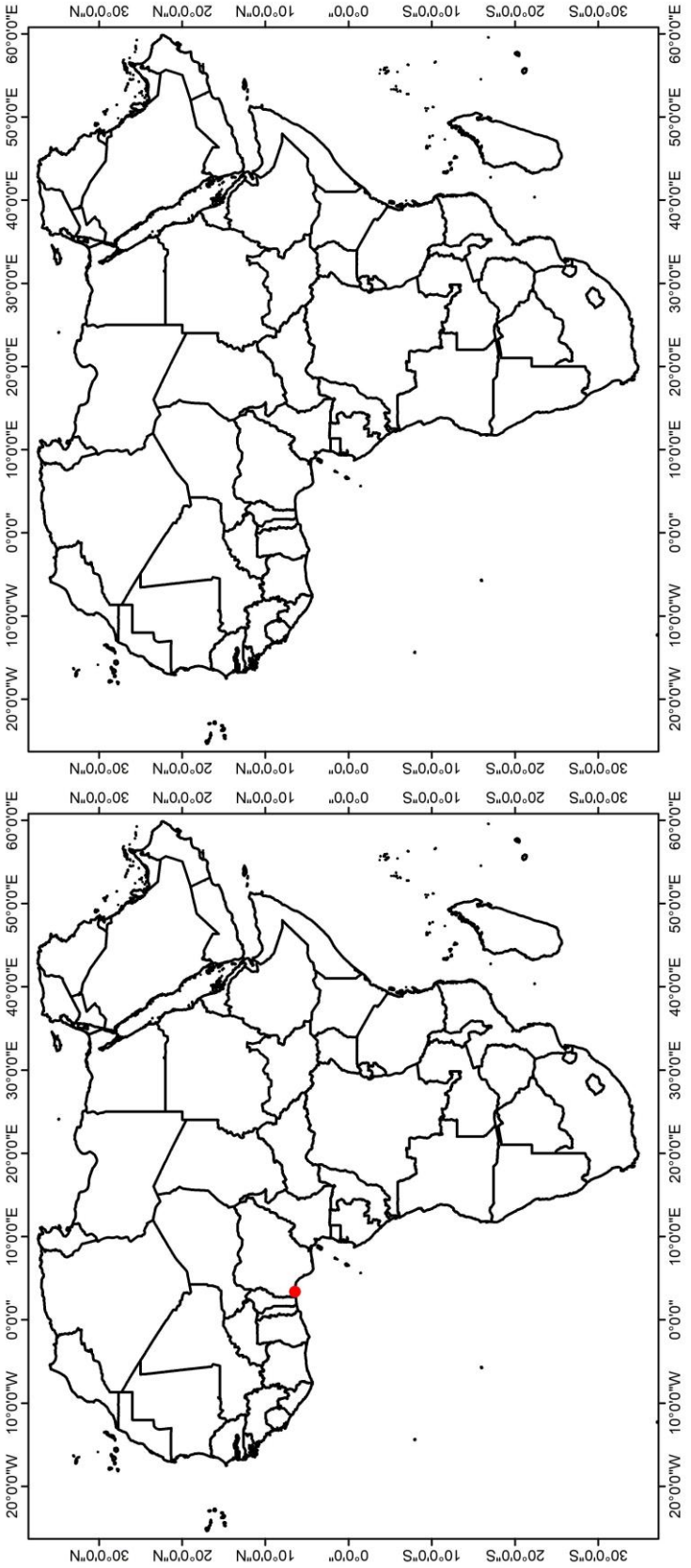

Distribution maps for *Eptesicus platyops* (Thomas, 1901)
(left: all voucher specimens; right: voucher specimens collected since 1998).

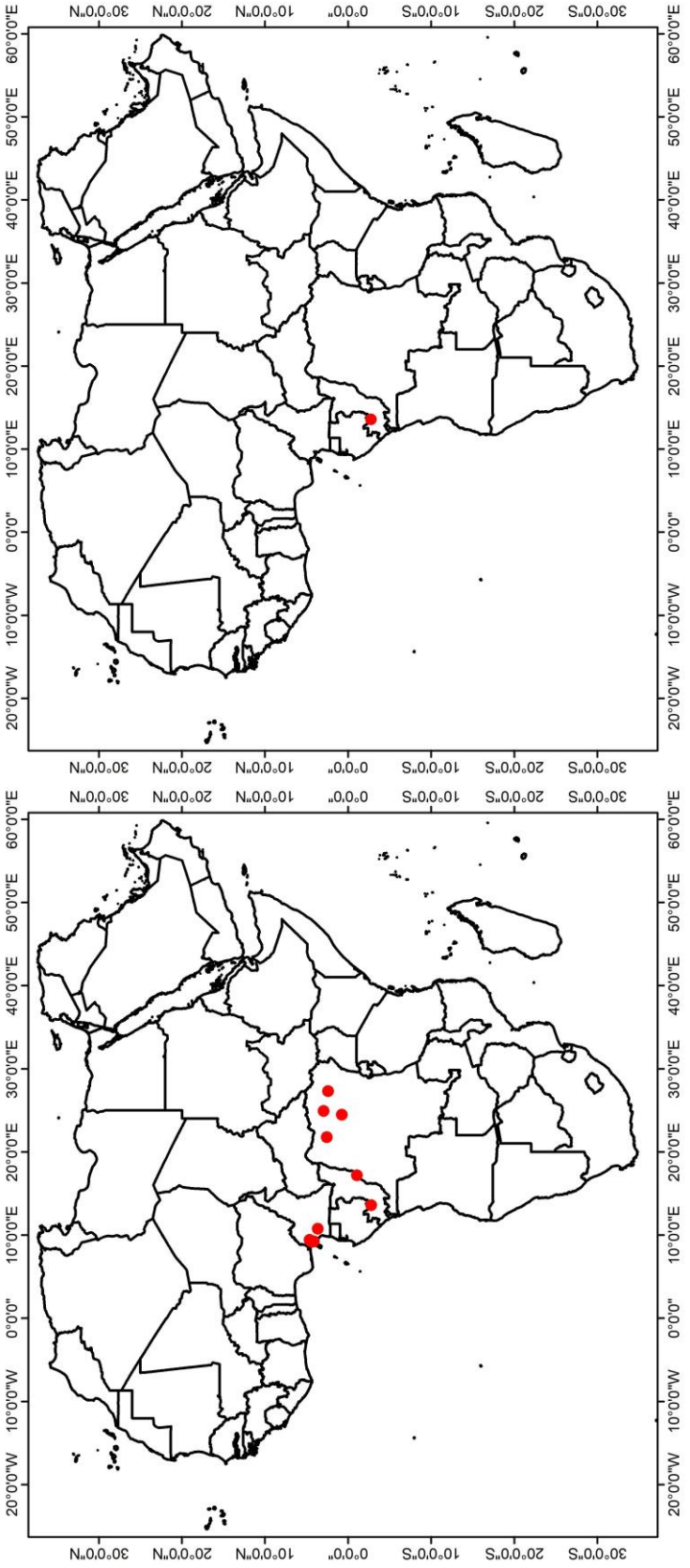

Distribution maps for *Glauconycteris alboguttata* J.A. Allen, 1917
(left: all voucher specimens; right: voucher specimens collected since 1998).

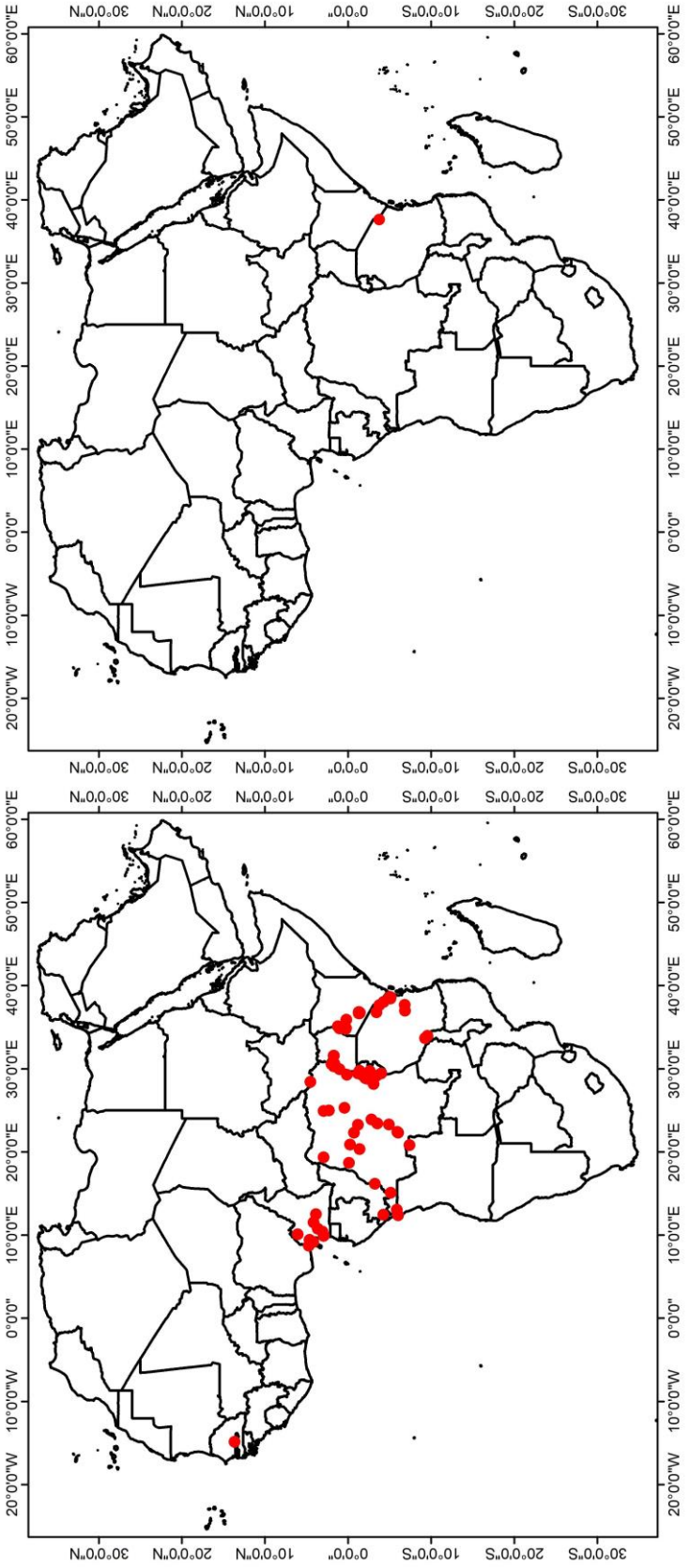

Distribution maps for *Glauconycteris argentata* (Dobson, 1875)
(left: all voucher specimens; right: voucher specimens collected since 1998).

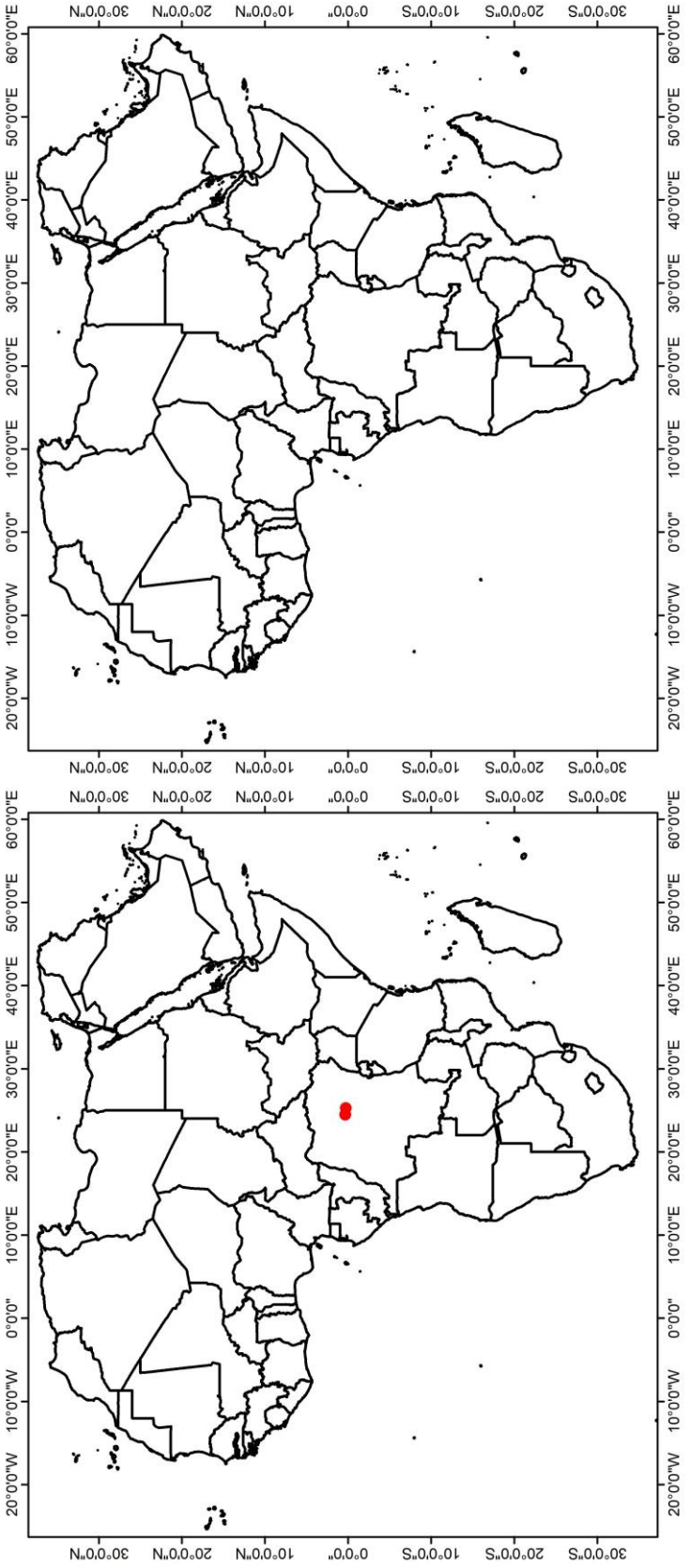

Distribution maps for *Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
(left: all voucher specimens; right: voucher specimens collected since 1998).

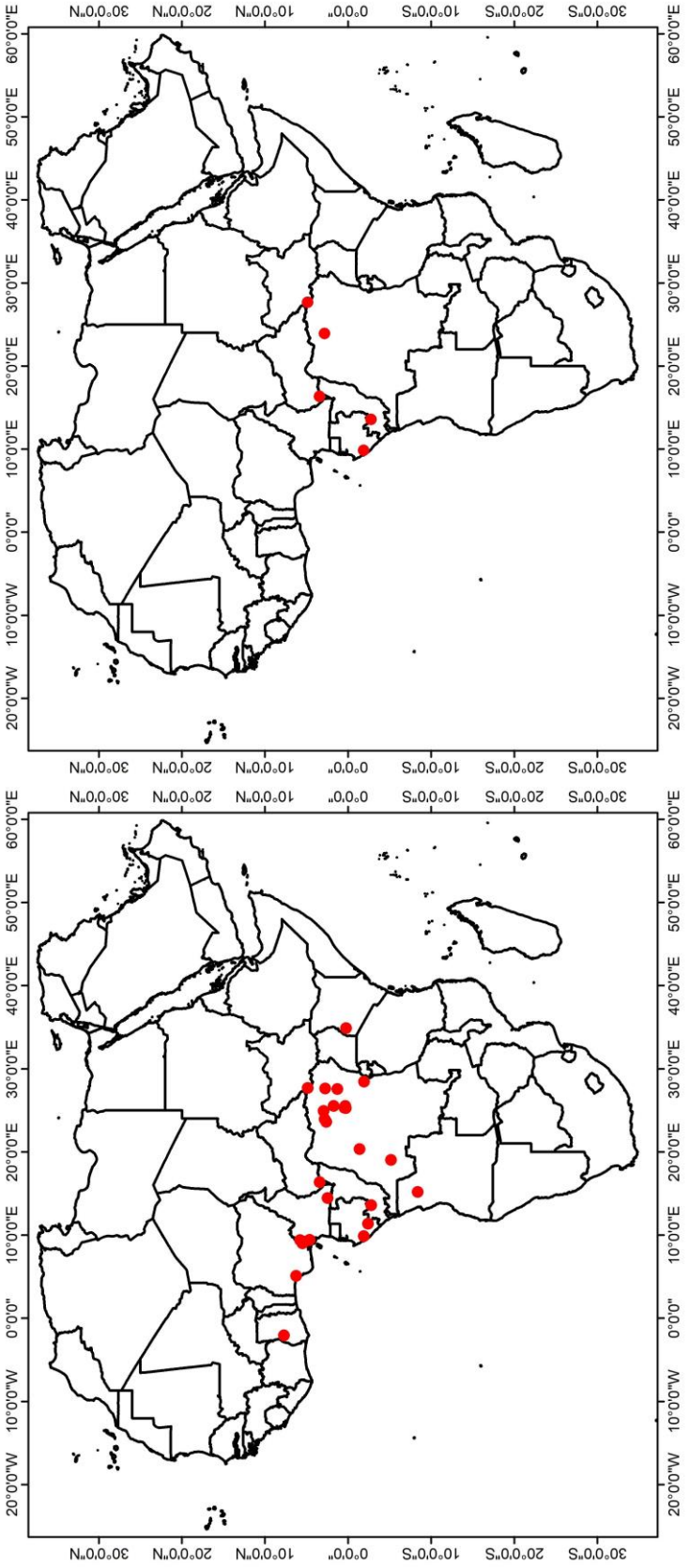

Distribution maps for *Glauconycteris beatrix* Thomas, 1901
(left: all voucher specimens; right: voucher specimens collected since 1998).

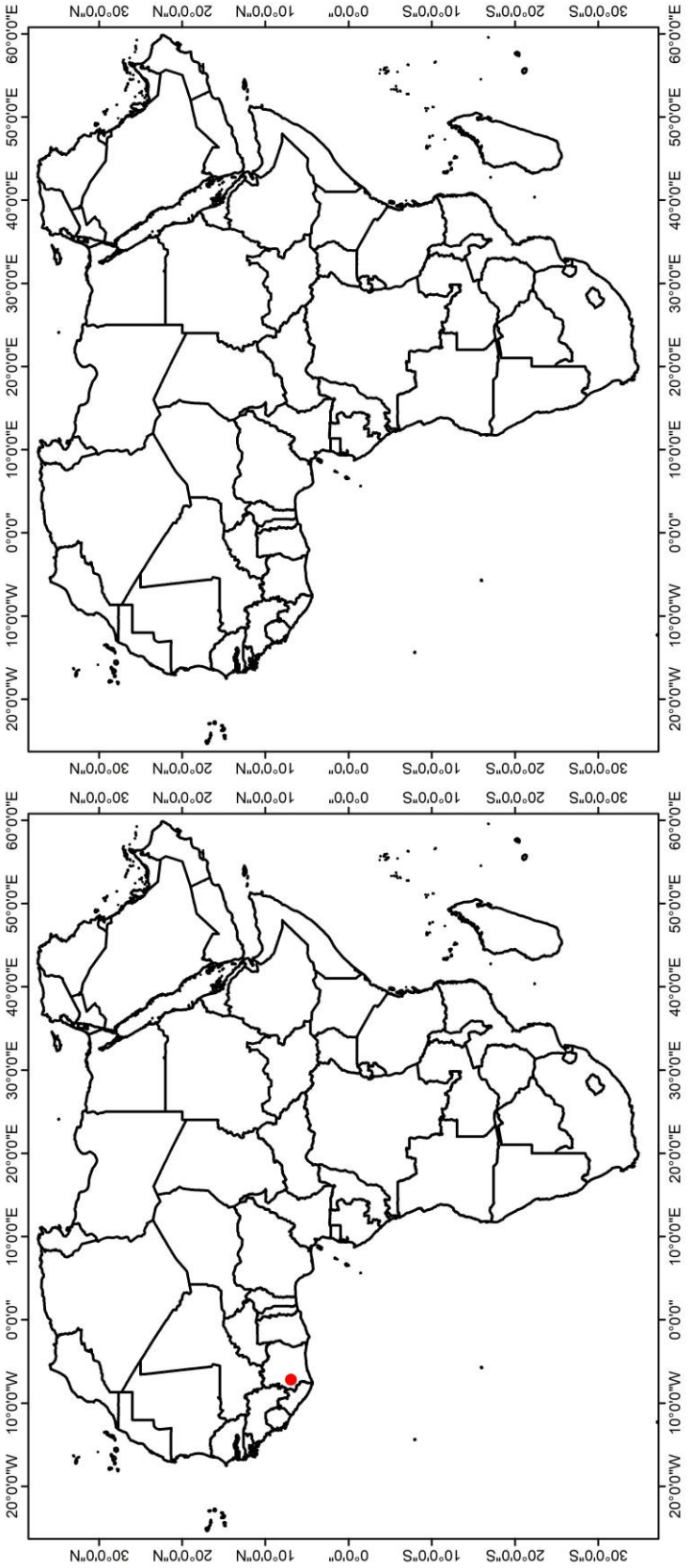

Distribution maps for *Glauconycteris cf. beatrix* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
(left: all voucher specimens; right: voucher specimens collected since 1998).

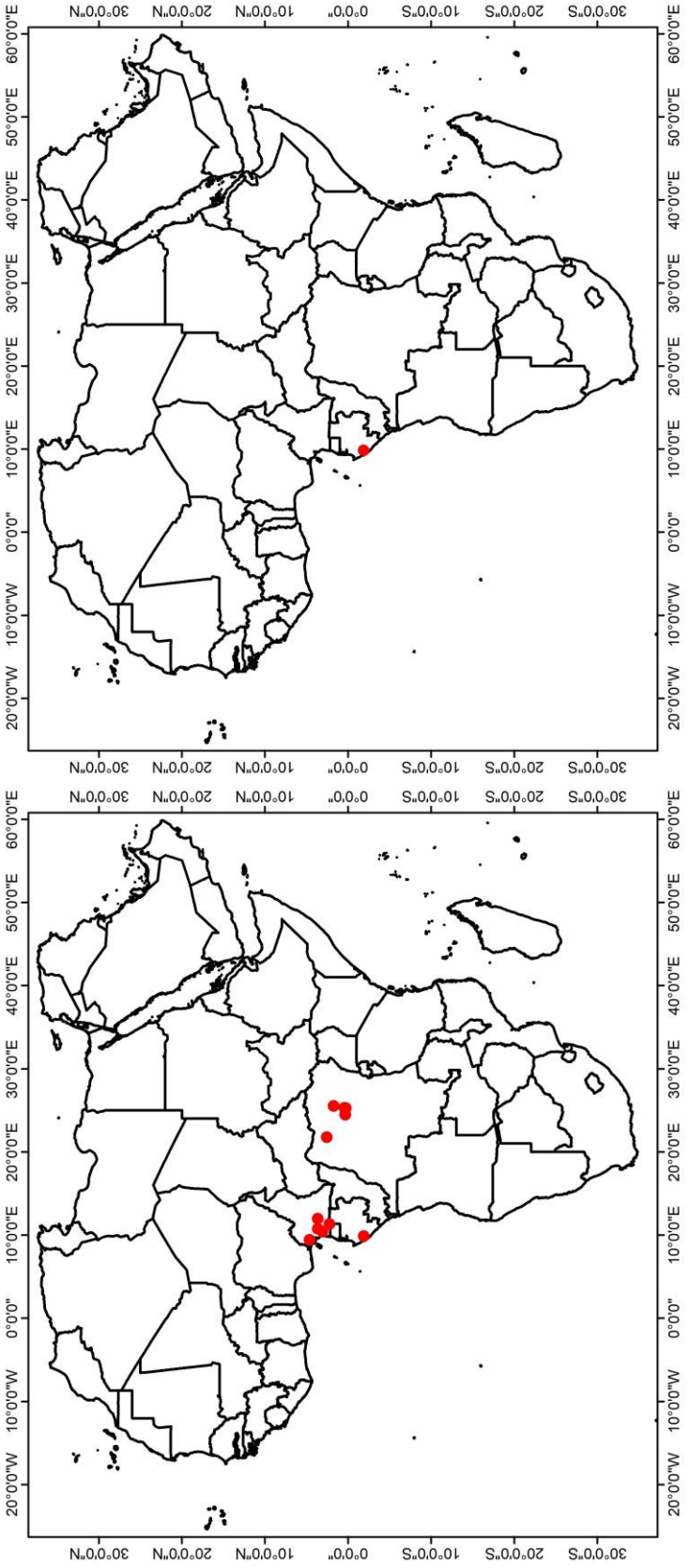

Distribution maps for *Glauconycteris curryae* Eger and Schlitter, 2001
(left: all voucher specimens; right: voucher specimens collected since 1998).

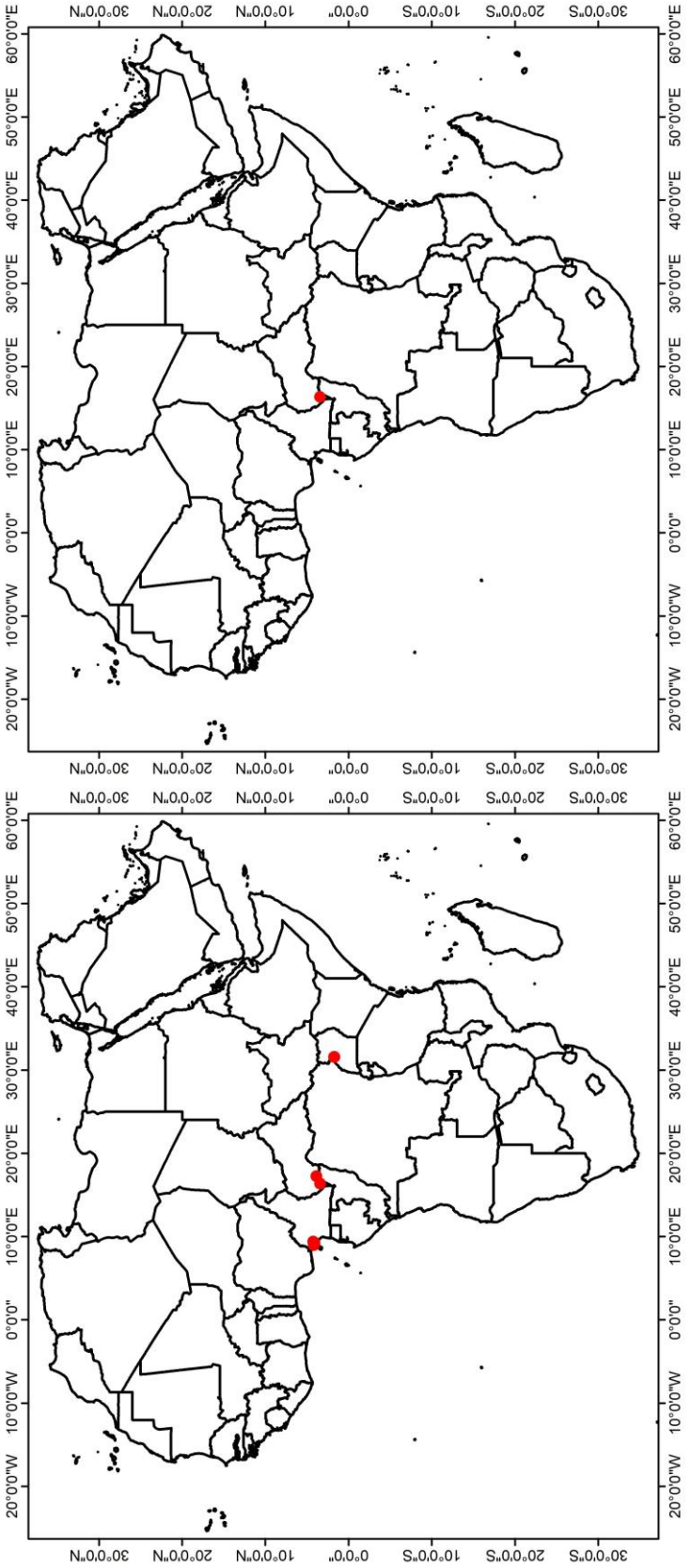

Distribution maps for *Glauconycteris egeria* Thomas, 1913
(left: all voucher specimens; right: voucher specimens collected since 1998).

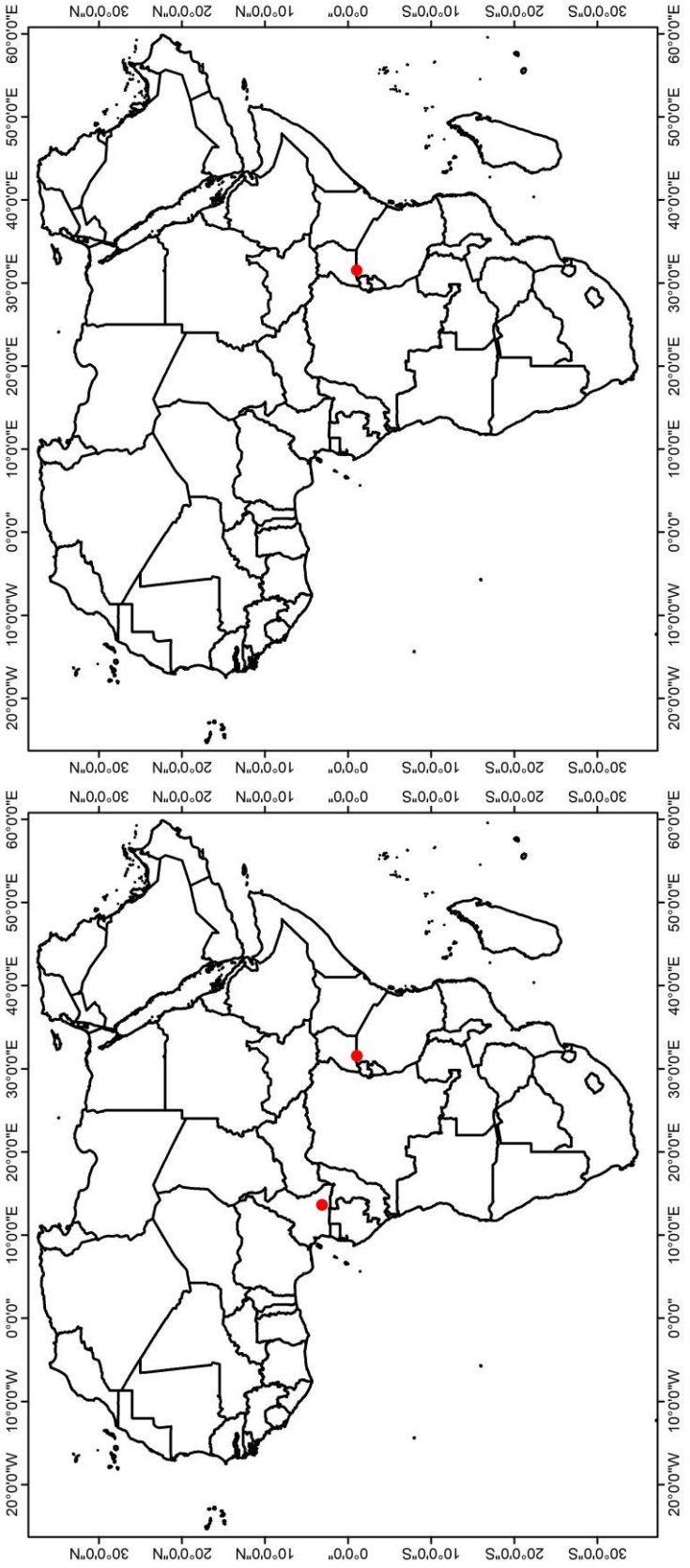

Distribution maps for *Glauconycteris gleni* Peterson and Smith, 1973
(left: all voucher specimens; right: voucher specimens collected since 1998).

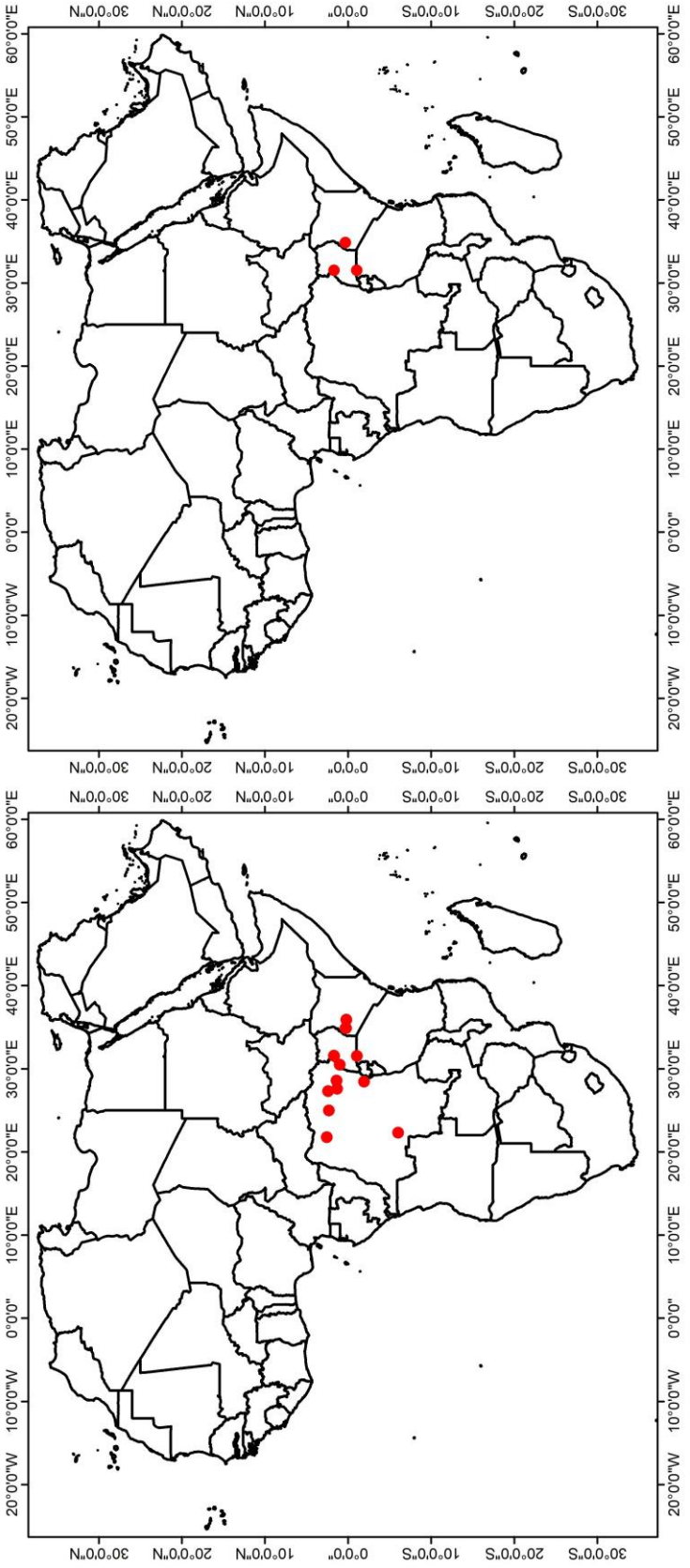

Distribution maps for *Glauconycteris humeralis* J.A. Allen, 1917
(left: all voucher specimens; right: voucher specimens collected since 1998).

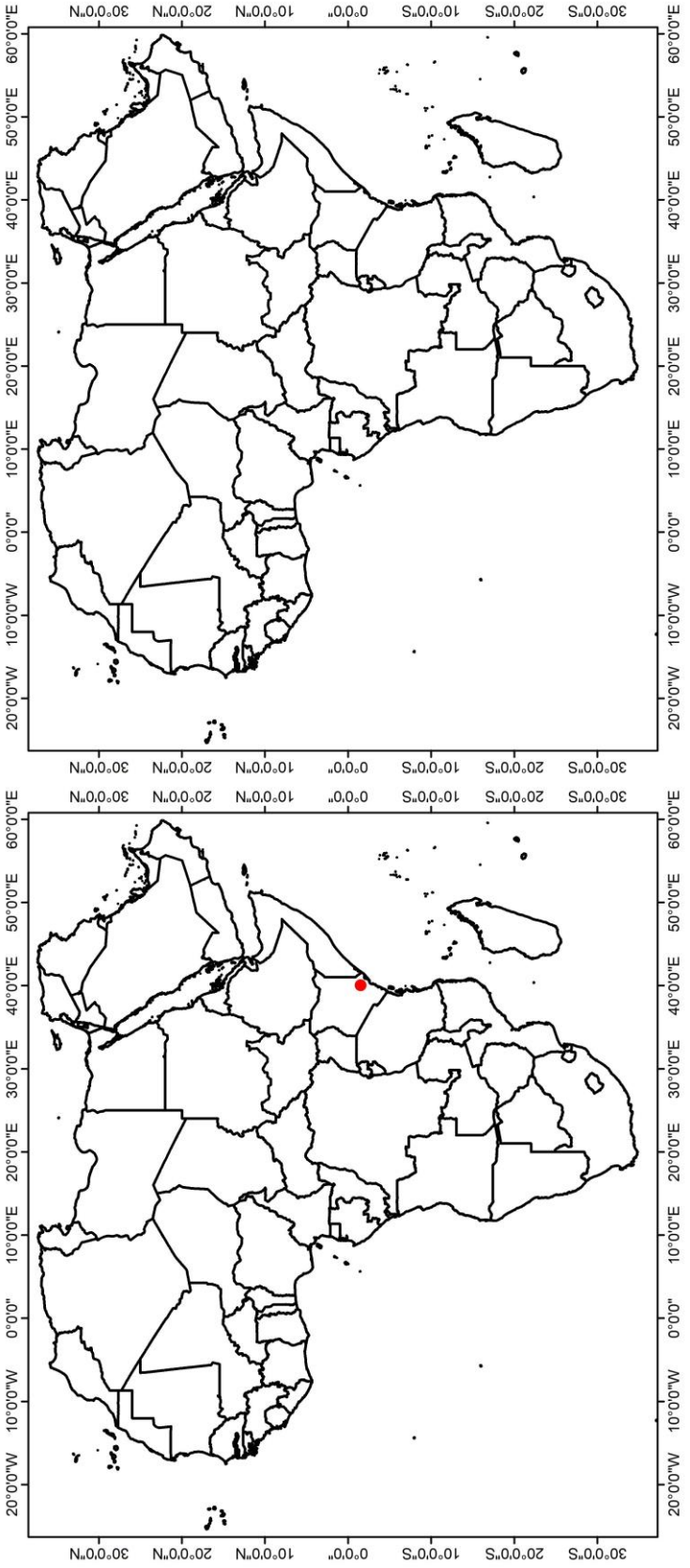

Distribution maps for *Glauconycteris kenyacola* Peterson, 1982
(left: all voucher specimens; right: voucher specimens collected since 1998).

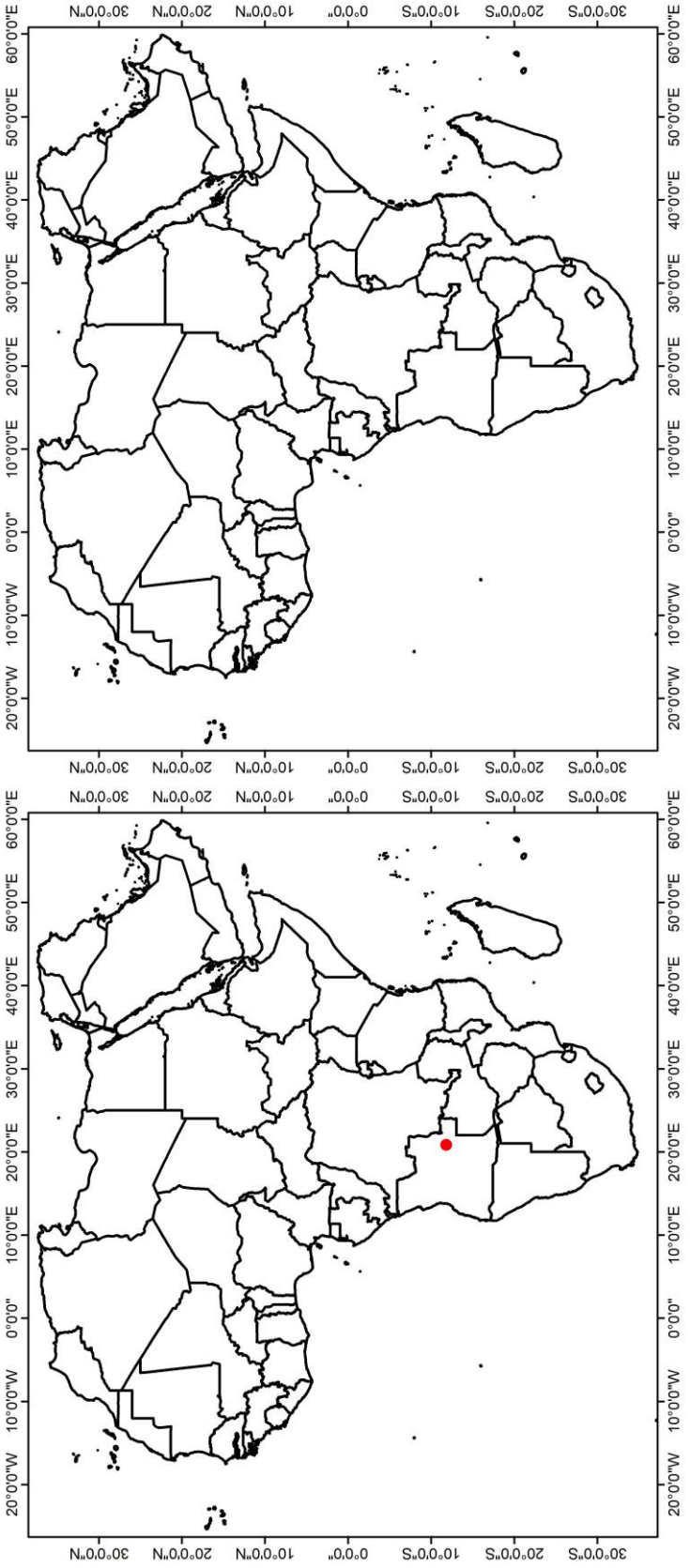

Distribution maps for *Glauconycteris machadoi* Hayman, 1963
(left: all voucher specimens; right: voucher specimens collected since 1998).

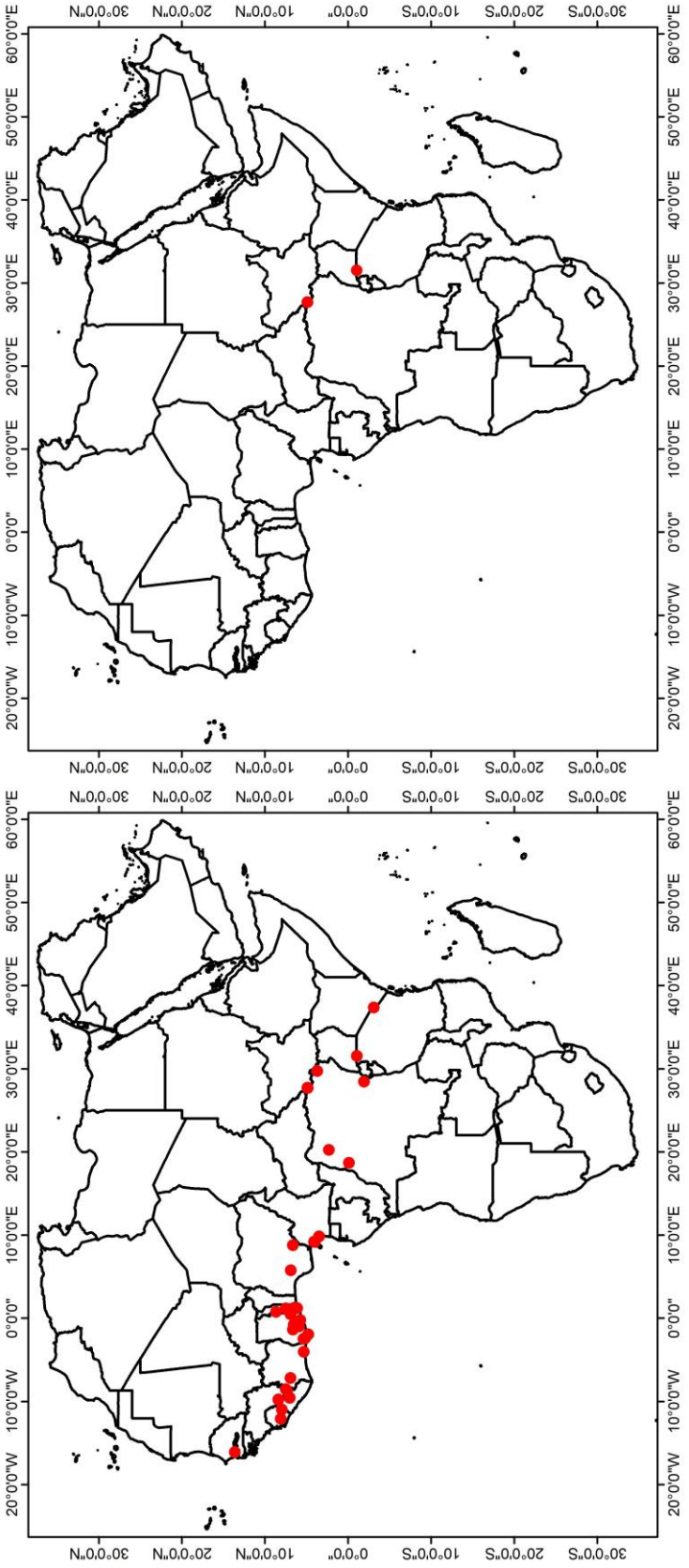

Distribution maps for *Glauconycteris poensis* (Gray, 1842)
(left: all voucher specimens; right: voucher specimens collected since 1998).

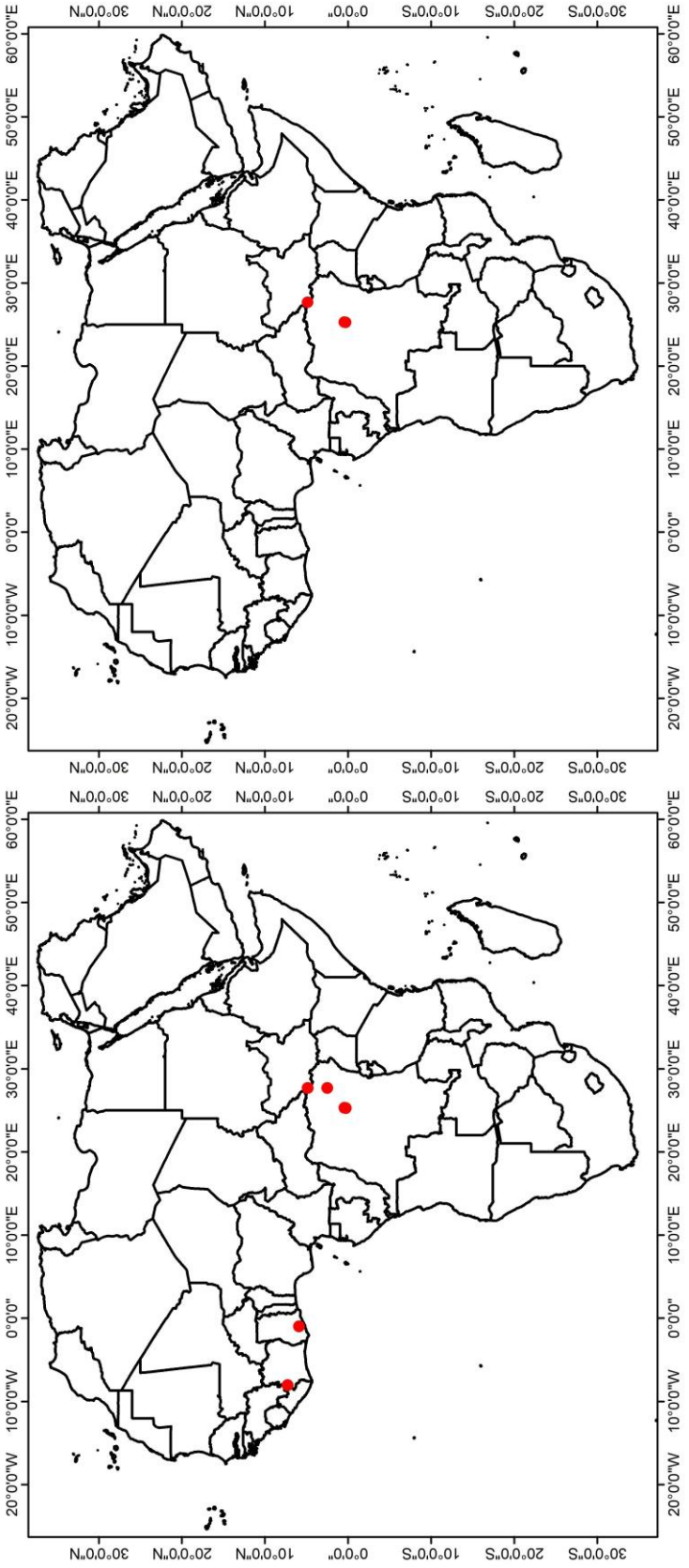

Distribution maps for *Glauconycteris superba* Hayman, 1939
(left: all voucher specimens; right: voucher specimens collected since 1998).

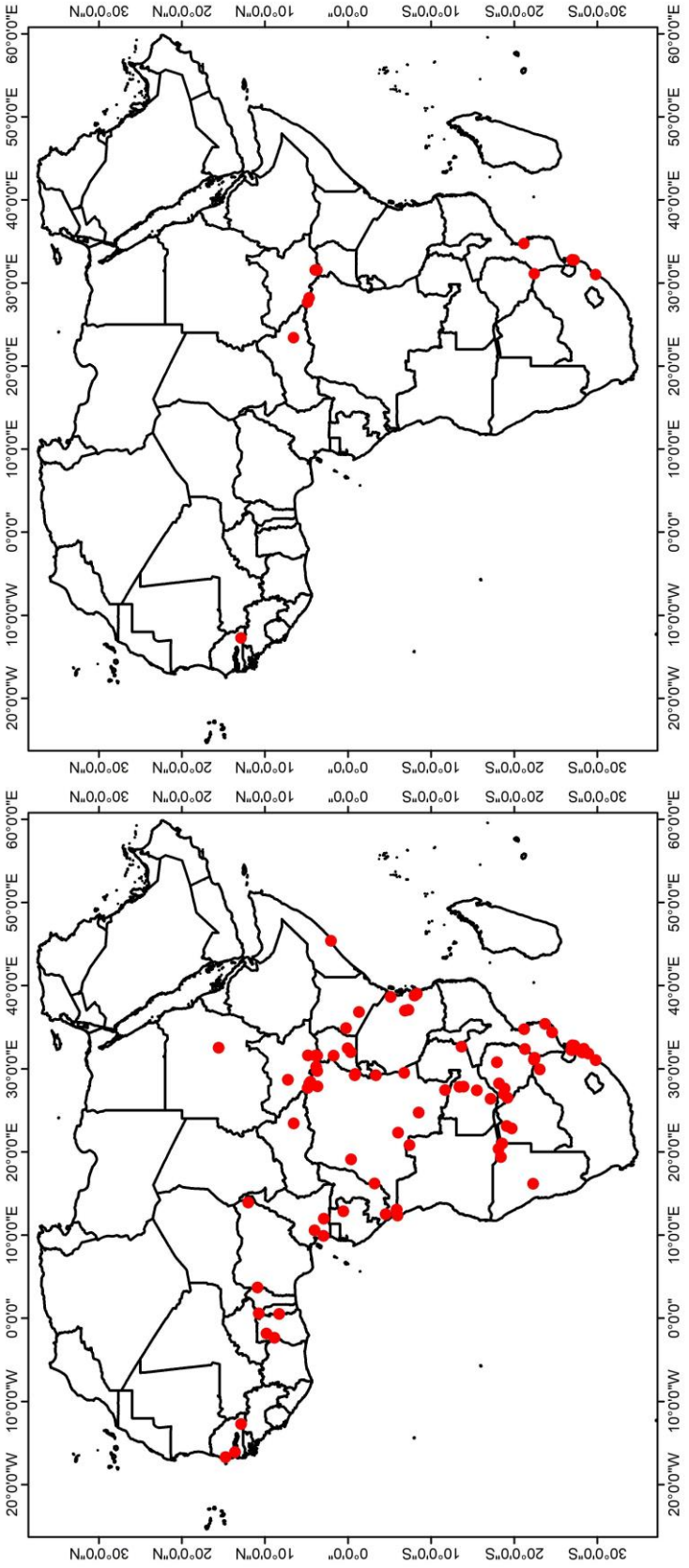

Distribution maps for *Glauconycteris variegata* (Tomes, 1861)
(left: all voucher specimens; right: voucher specimens collected since 1998).

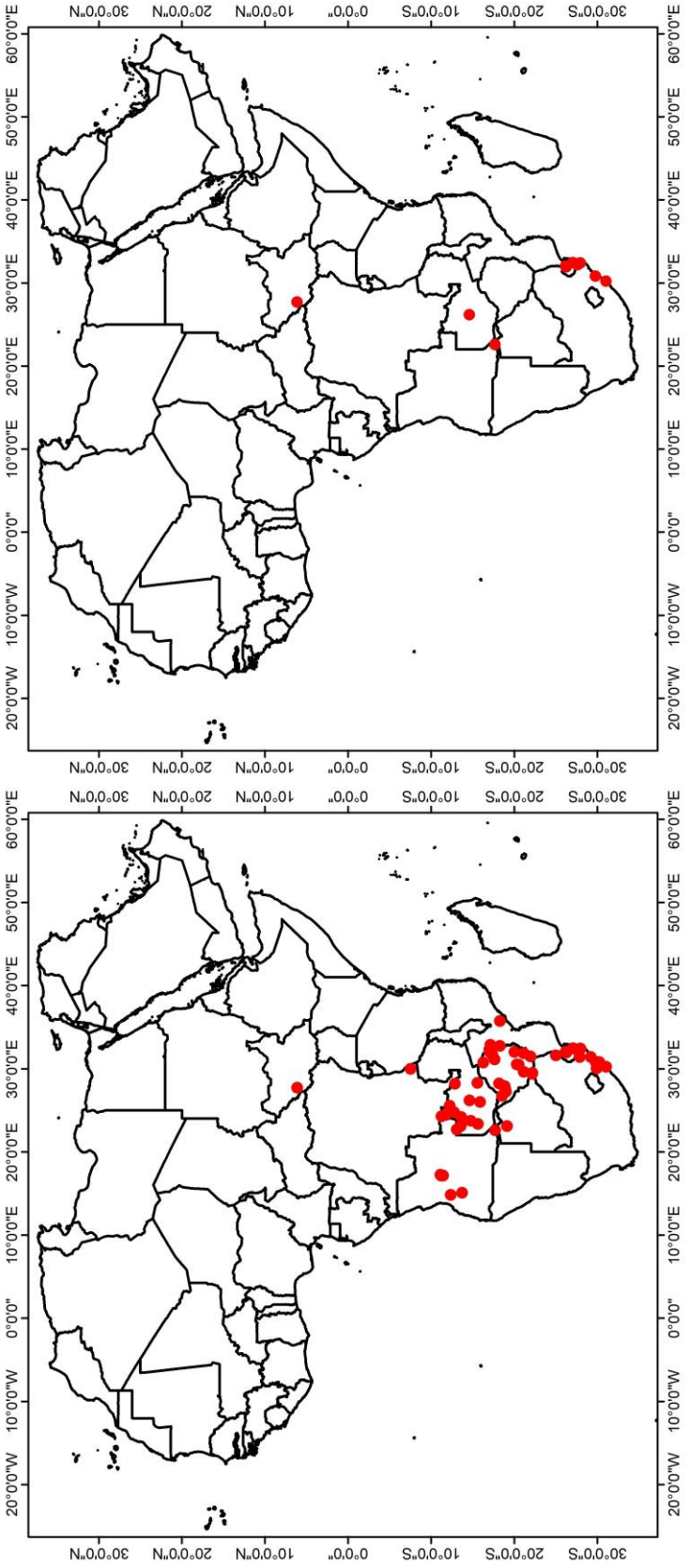

Distribution maps for *Hypsugo anchietae* (Seabra, 1900)
(left: all voucher specimens; right: voucher specimens collected since 1998).

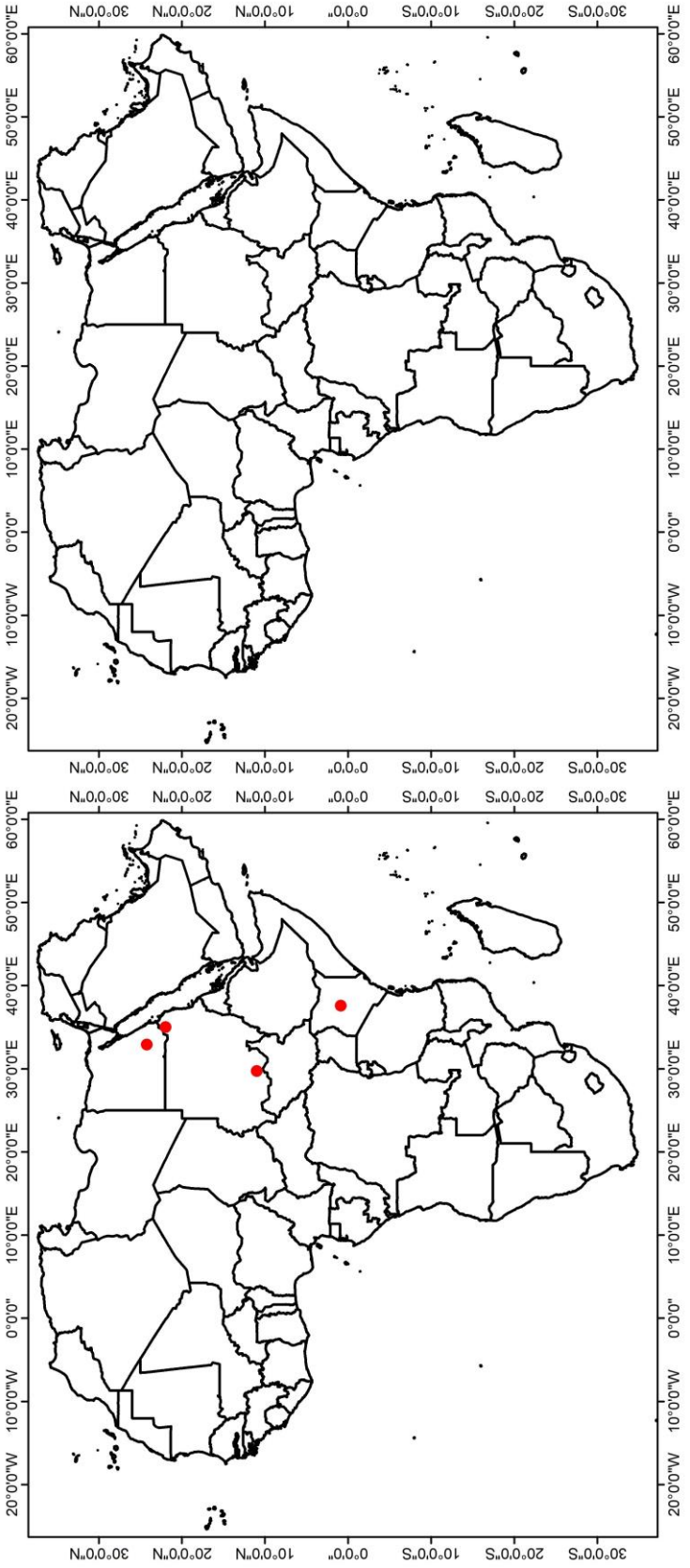

Distribution maps for *Hypsugo ariel* (Thomas, 1904)
(left: all voucher specimens; right: voucher specimens collected since 1998).

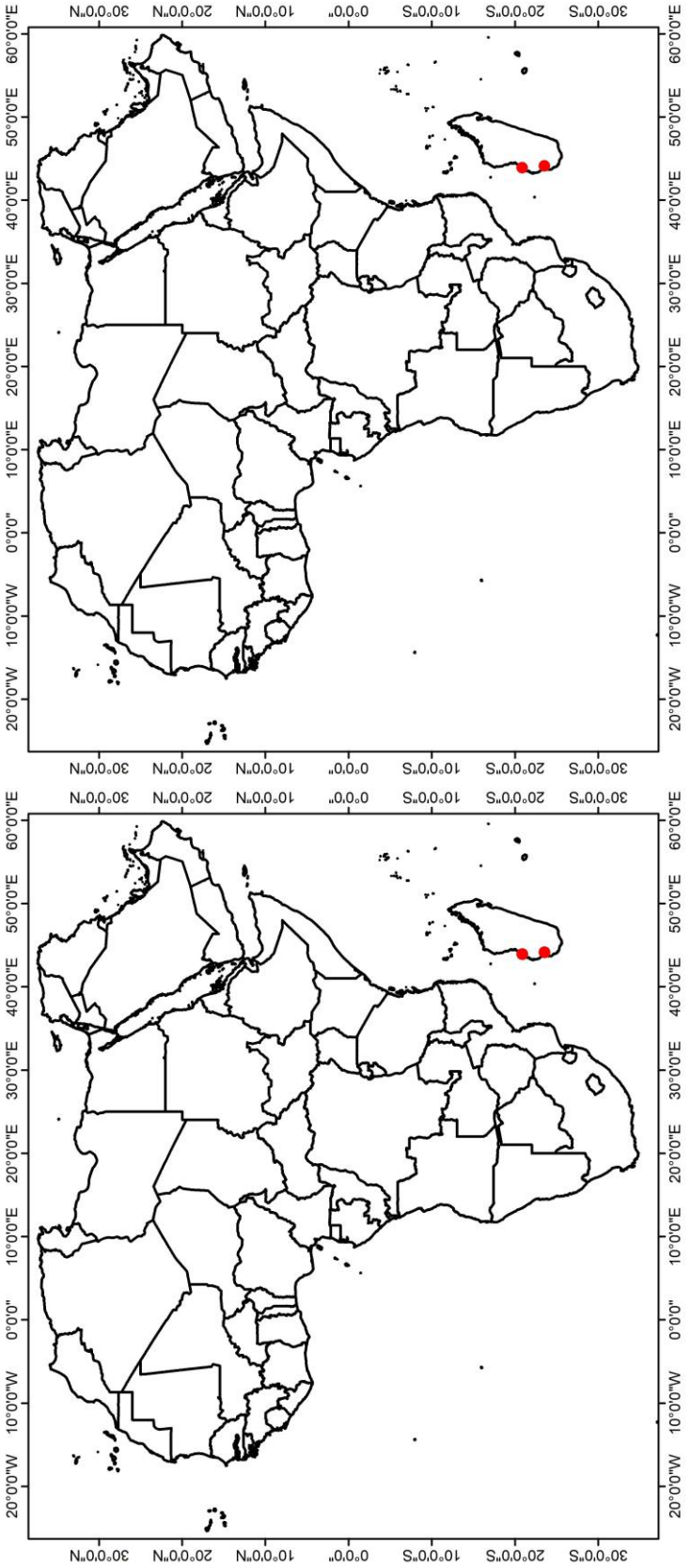

Distribution maps for *Hypsugo bemainty* Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015
(left: all voucher specimens; right: voucher specimens collected since 1998).

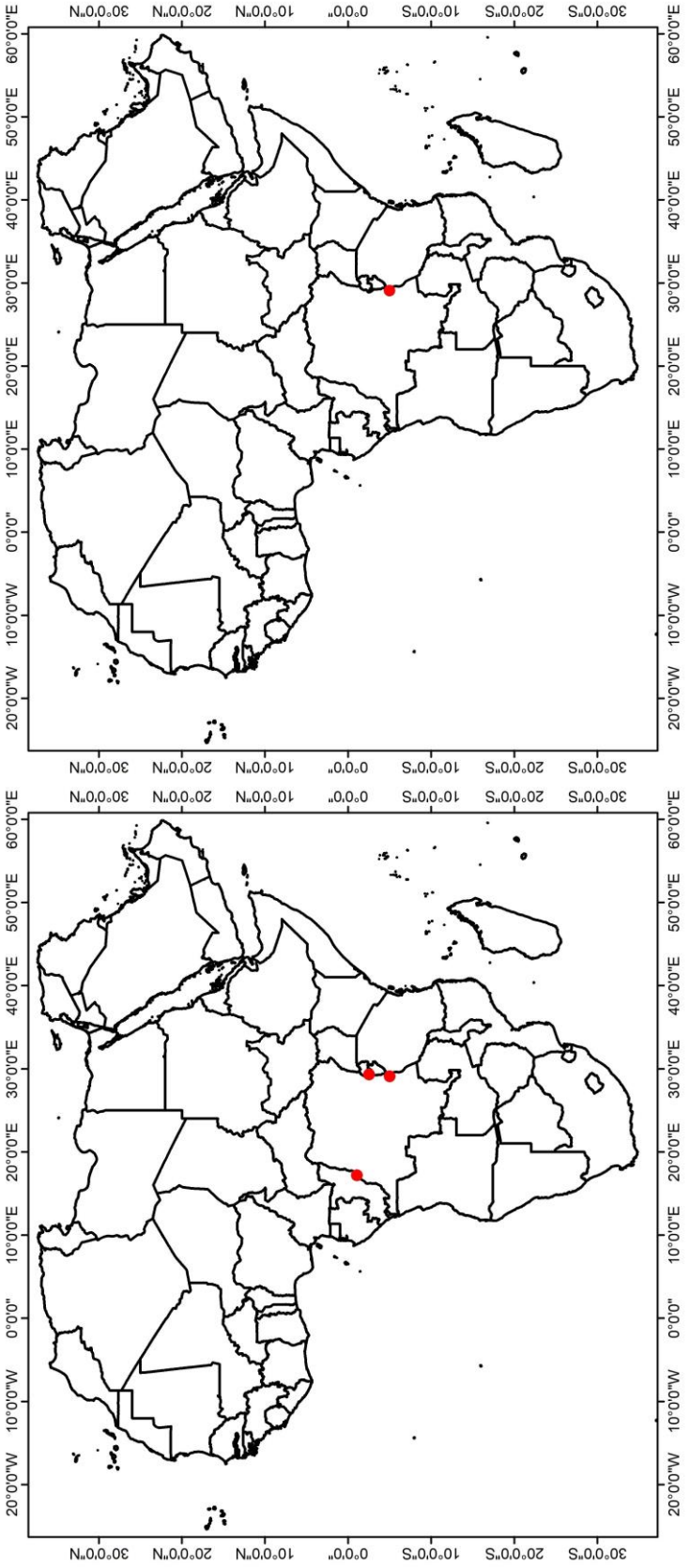

Distribution maps for *Hypsugo cf. eisentrauti* Hill, 1968
(left: all voucher specimens; right: voucher specimens collected since 1998).

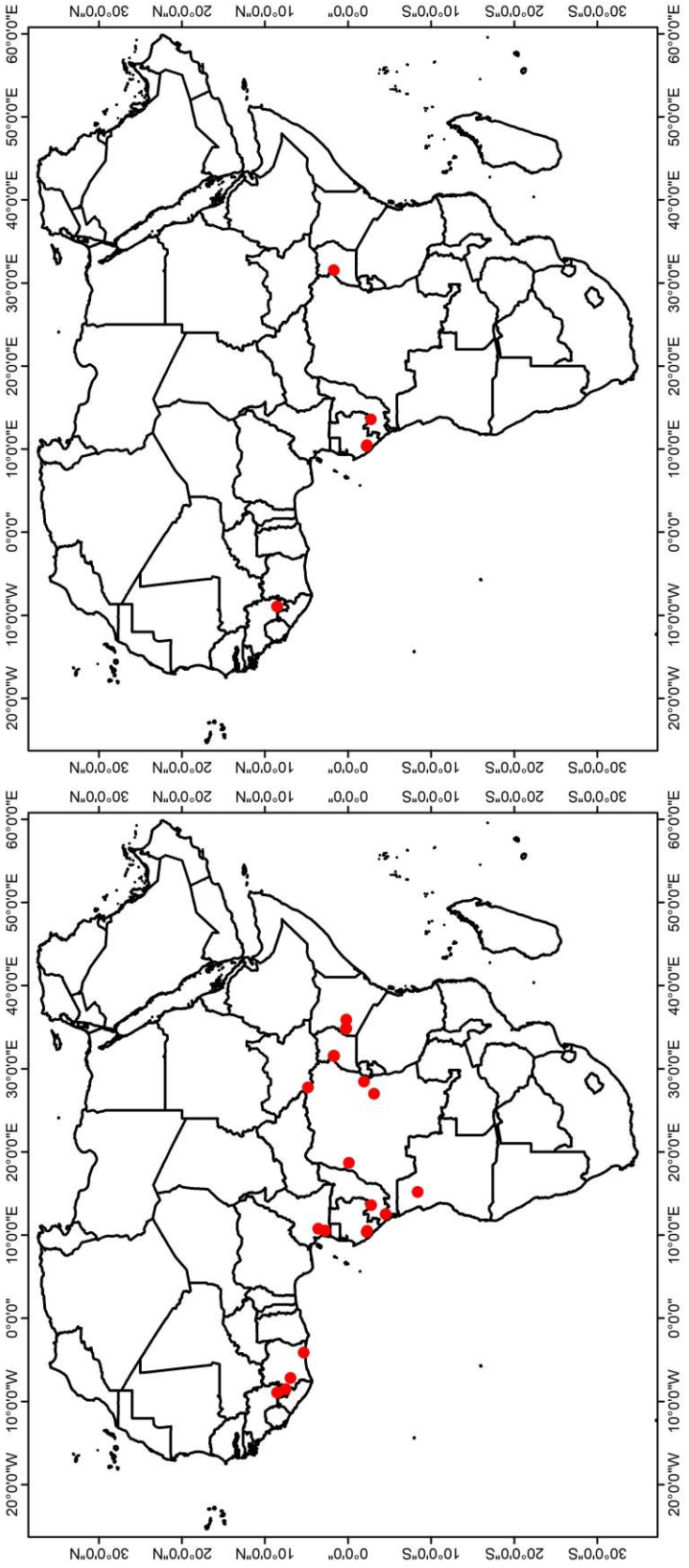

Distribution maps for *Hypsugo crassulus* (Thomas, 1904)
(left: all voucher specimens; right: voucher specimens collected since 1998).

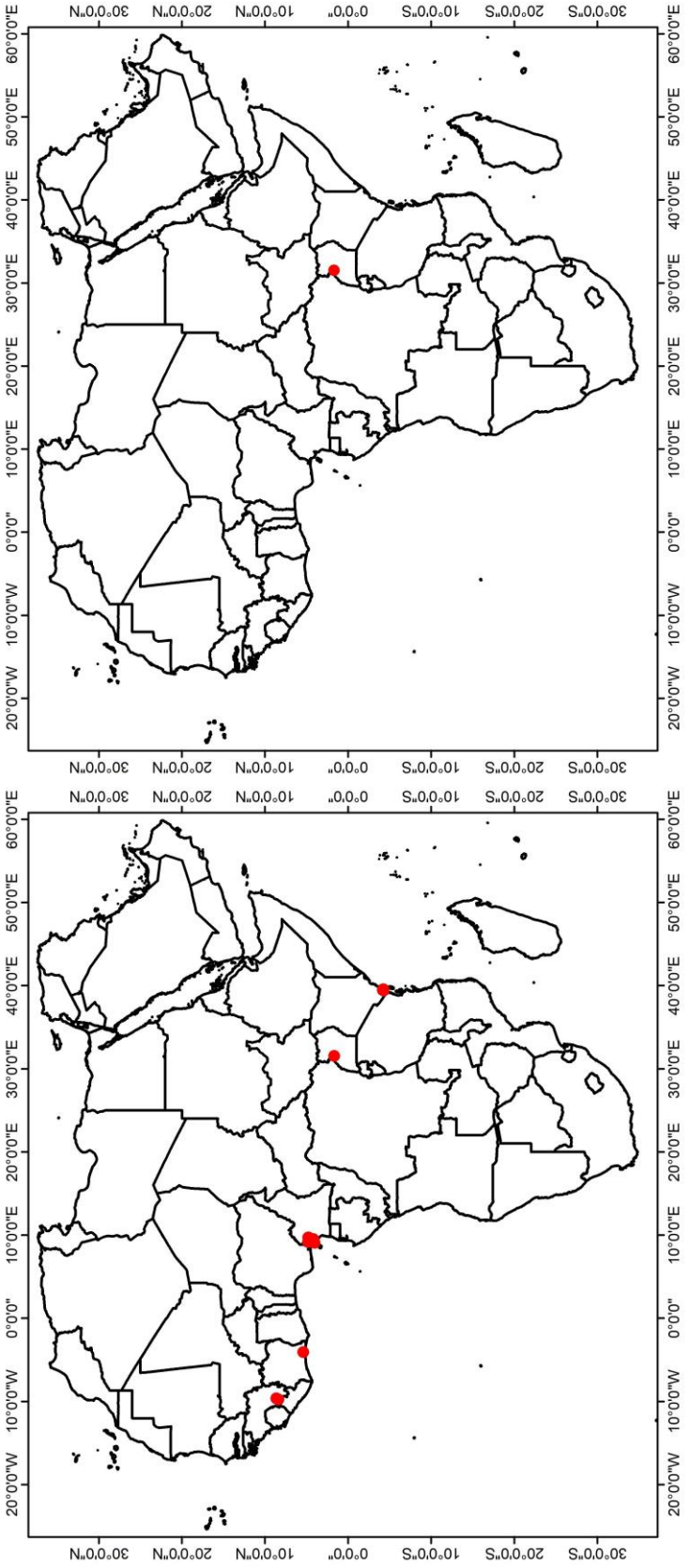

Distribution maps for *Hypsugo eisentrauti* (Hill, 1968)
(left: all voucher specimens; right: voucher specimens collected since 1998).

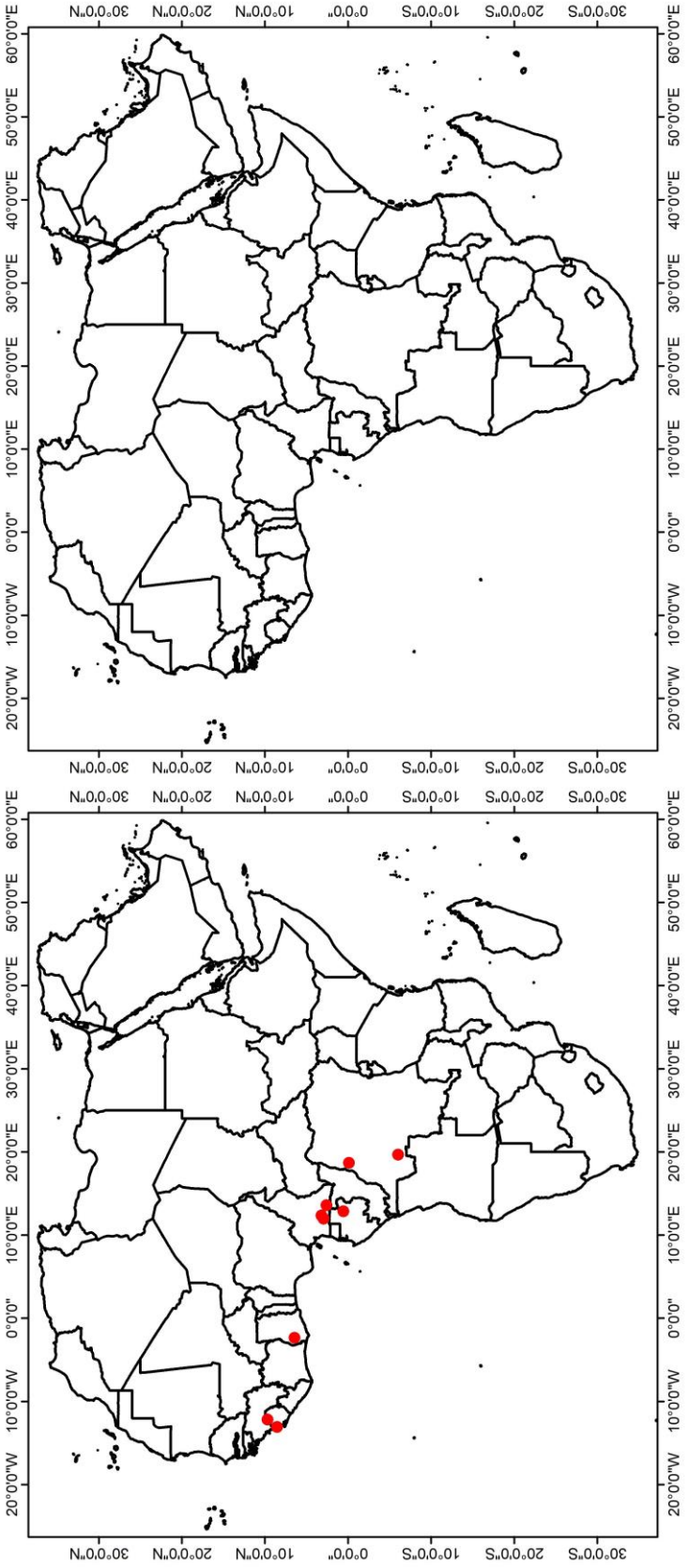

Distribution maps for *Hypsugo musciculus* (Thomas, 1913)
(left: all voucher specimens; right: voucher specimens collected since 1998).

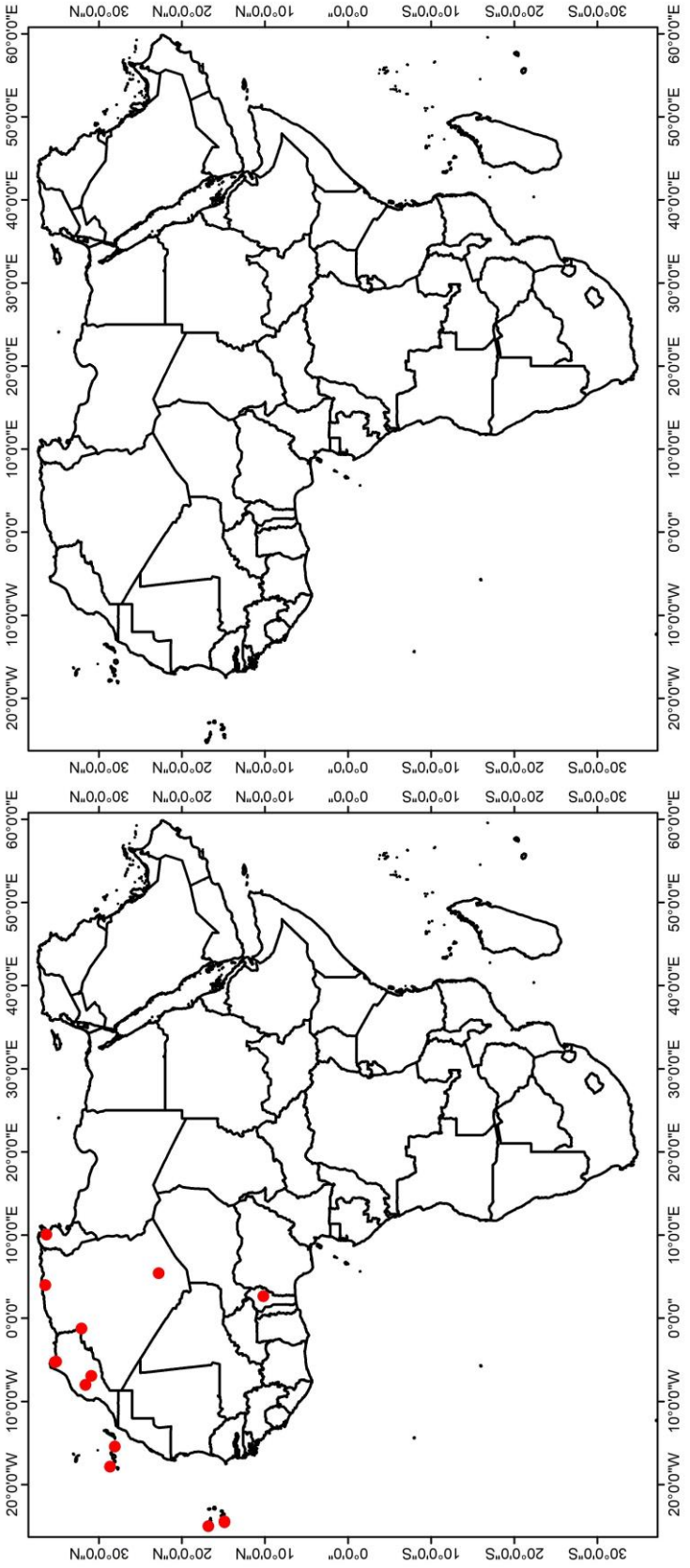

Distribution maps for *Hypsugo savii* (Bonaparte, 1837)
(left: all voucher specimens; right: voucher specimens collected since 1998).

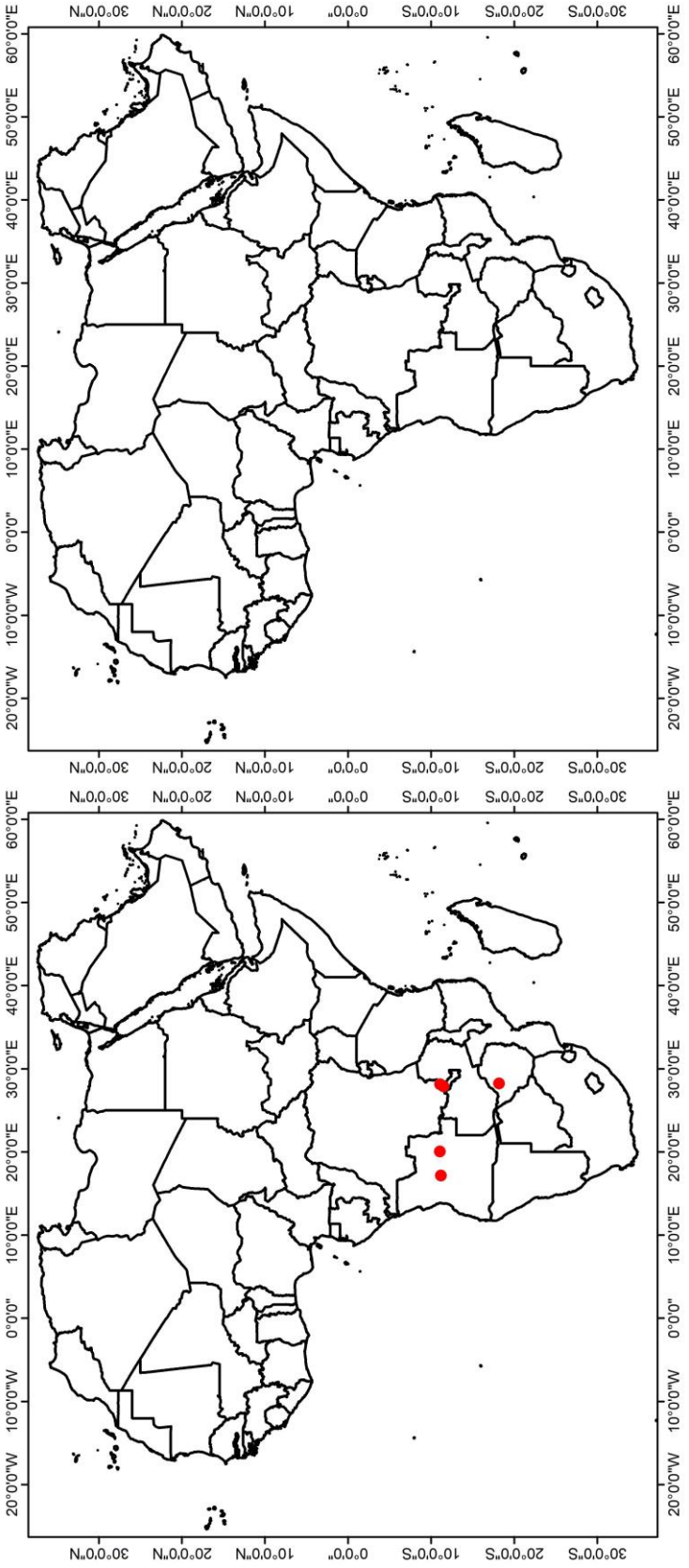

Distribution maps for *Laephotis angolensis* Monard, 1935
(left: all voucher specimens; right: voucher specimens collected since 1998).

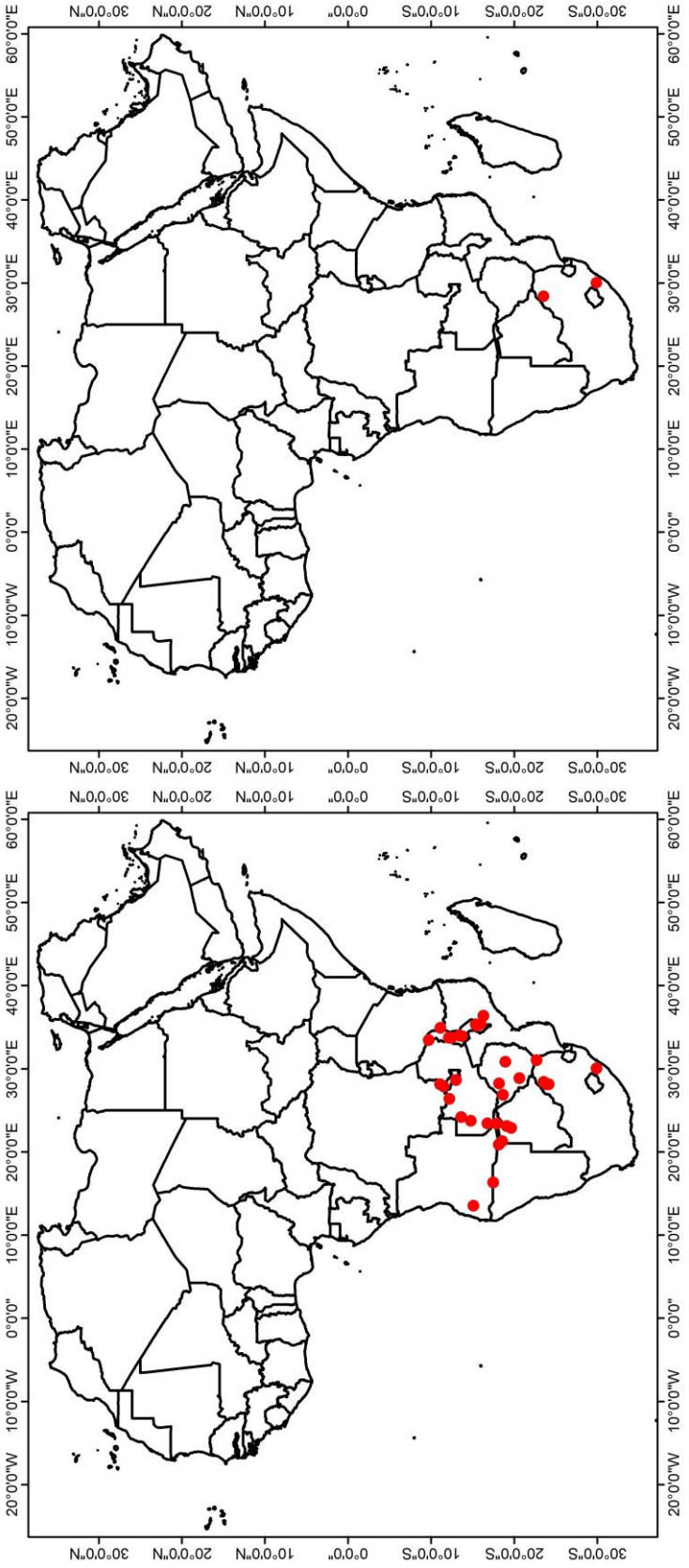

Distribution maps for *Laephotis botswanae* Setzer, 1971
(left: all voucher specimens; right: voucher specimens collected since 1998).

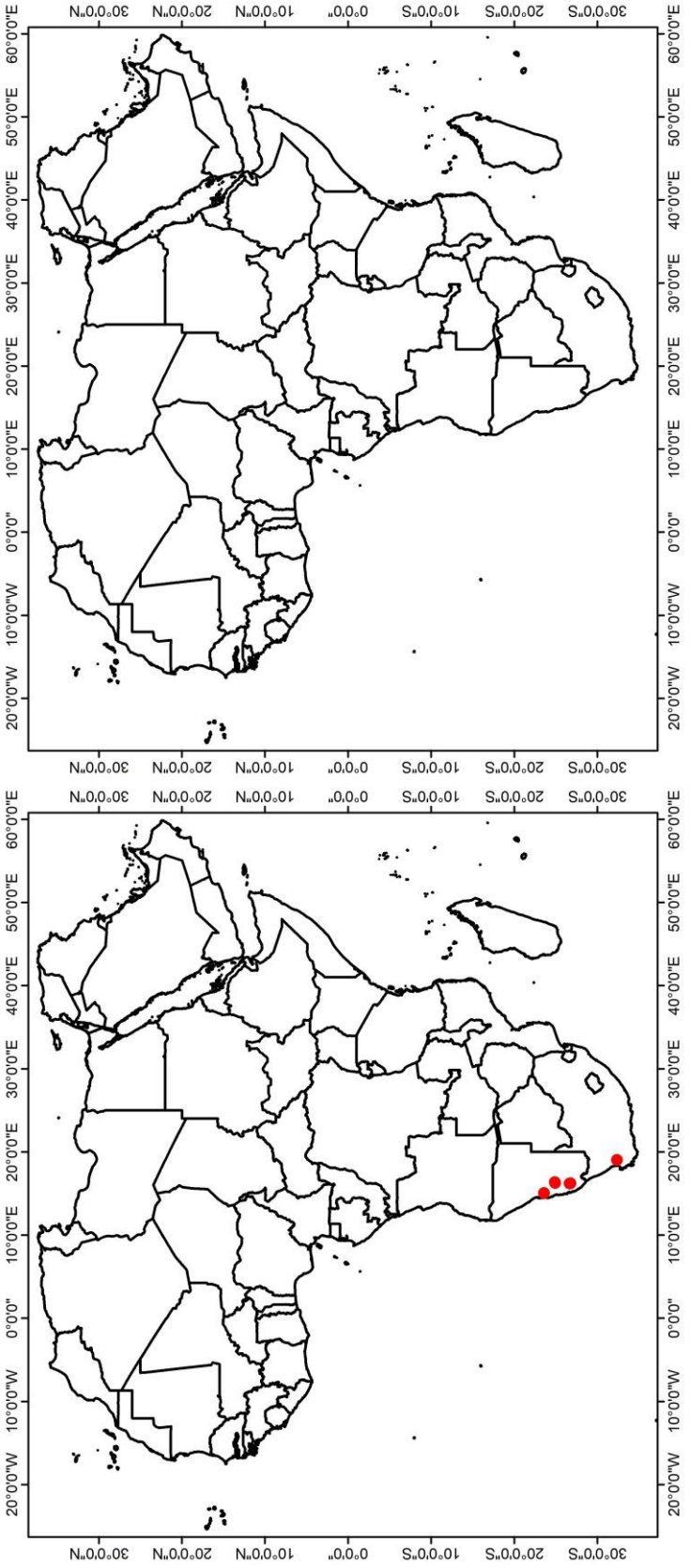

Distribution maps for *Laephotis namibensis* Setzer, 1971
(left: all voucher specimens; right: voucher specimens collected since 1998).

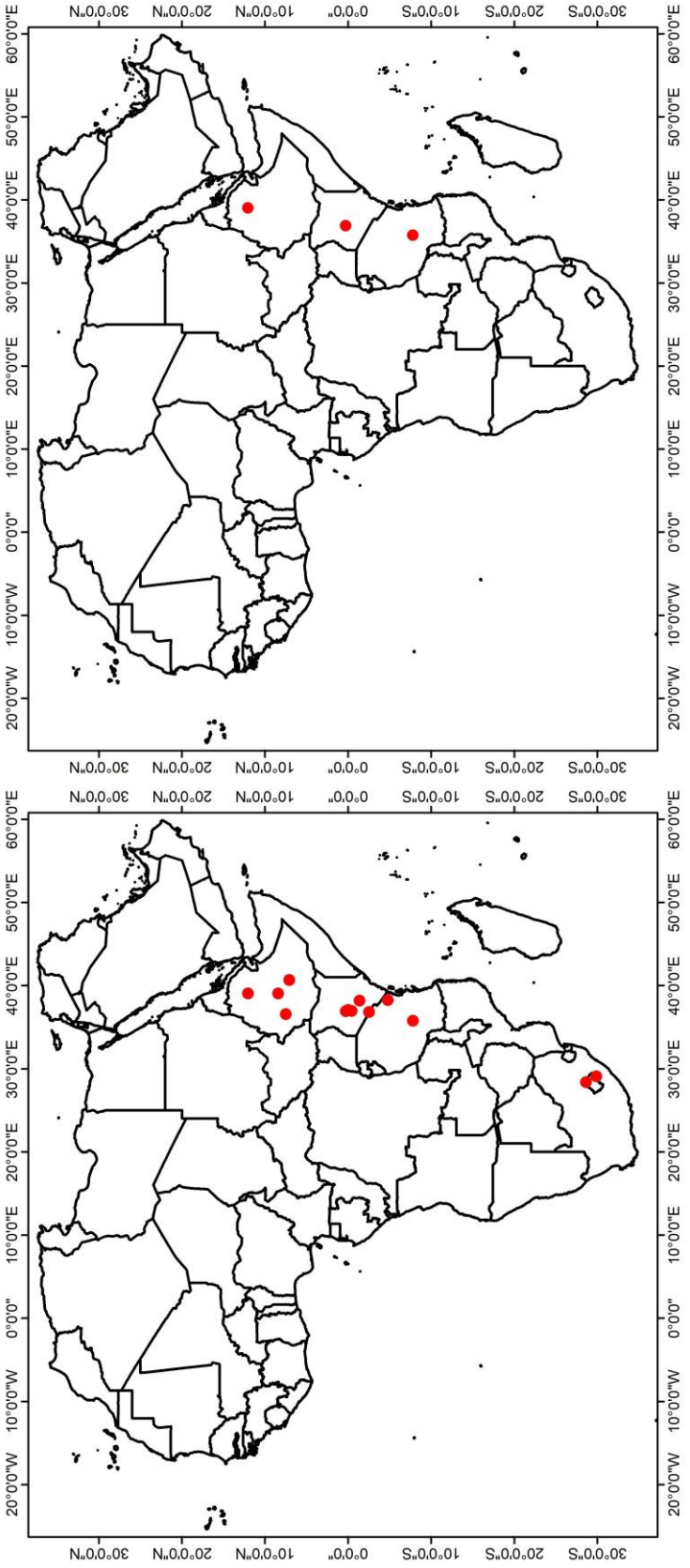

Distribution maps for *Laephotis wintoni* Thomas, 1901
(left: all voucher specimens; right: voucher specimens collected since 1998).

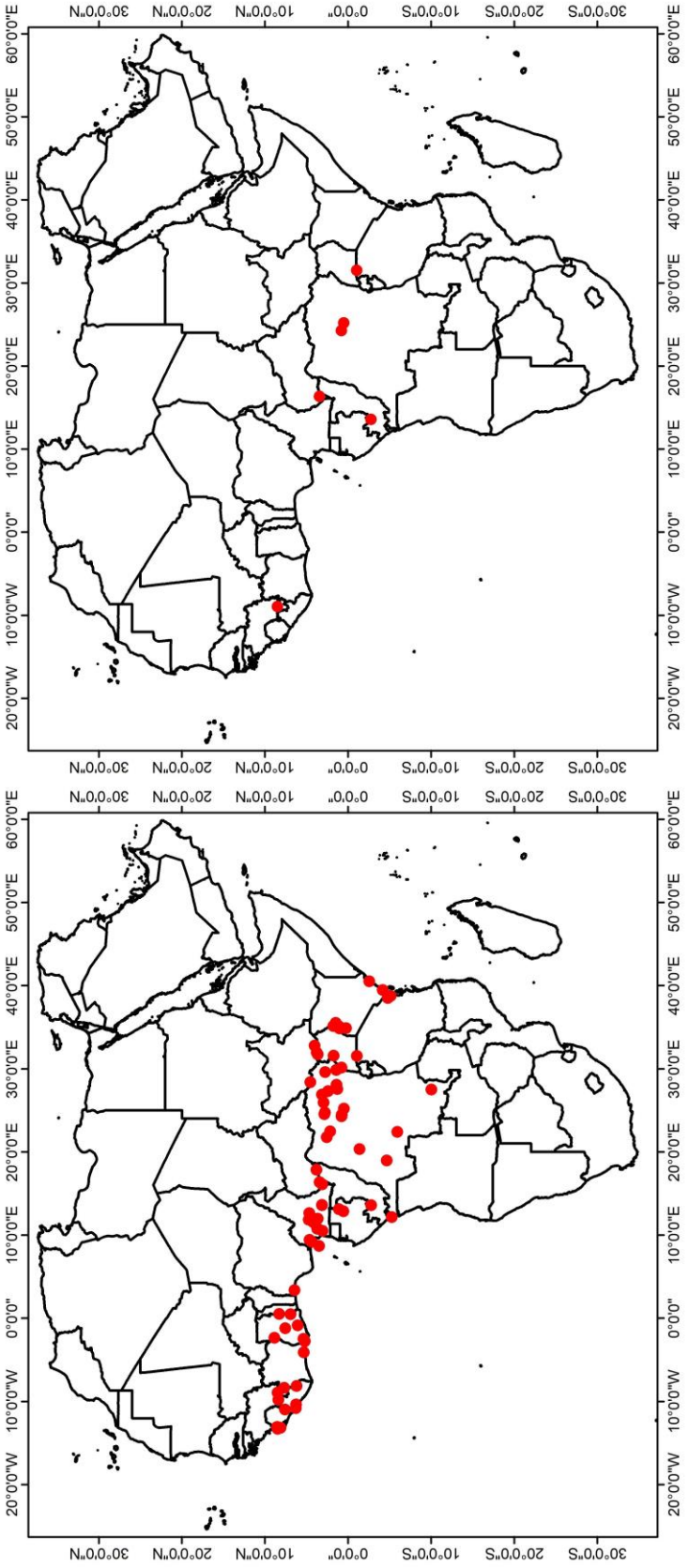

Distribution maps for *Mimetillus moloneyi* (Thomas, 1891)
(left: all voucher specimens; right: voucher specimens collected since 1998).

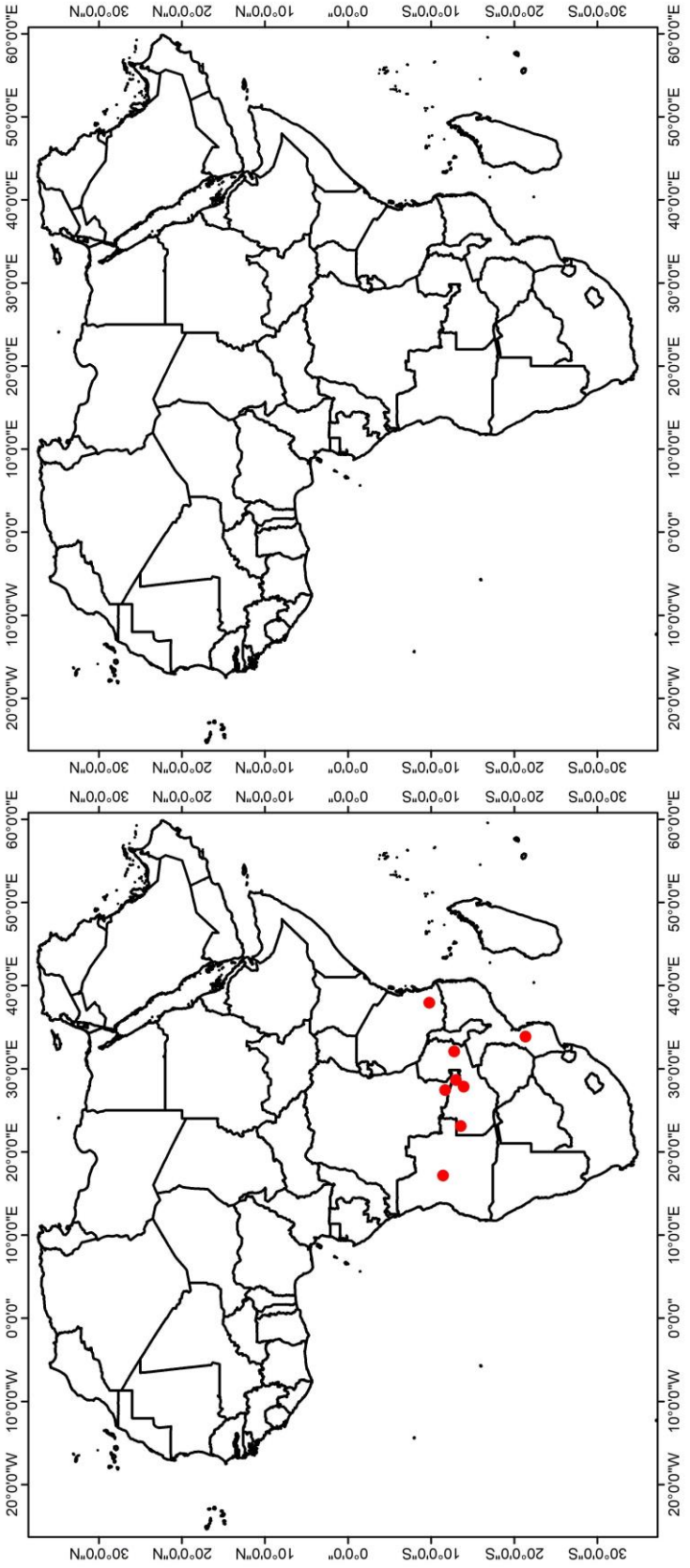

Distribution maps for *Mimetillus thomasi* Hinton, 1920
(left: all voucher specimens; right: voucher specimens collected since 1998).

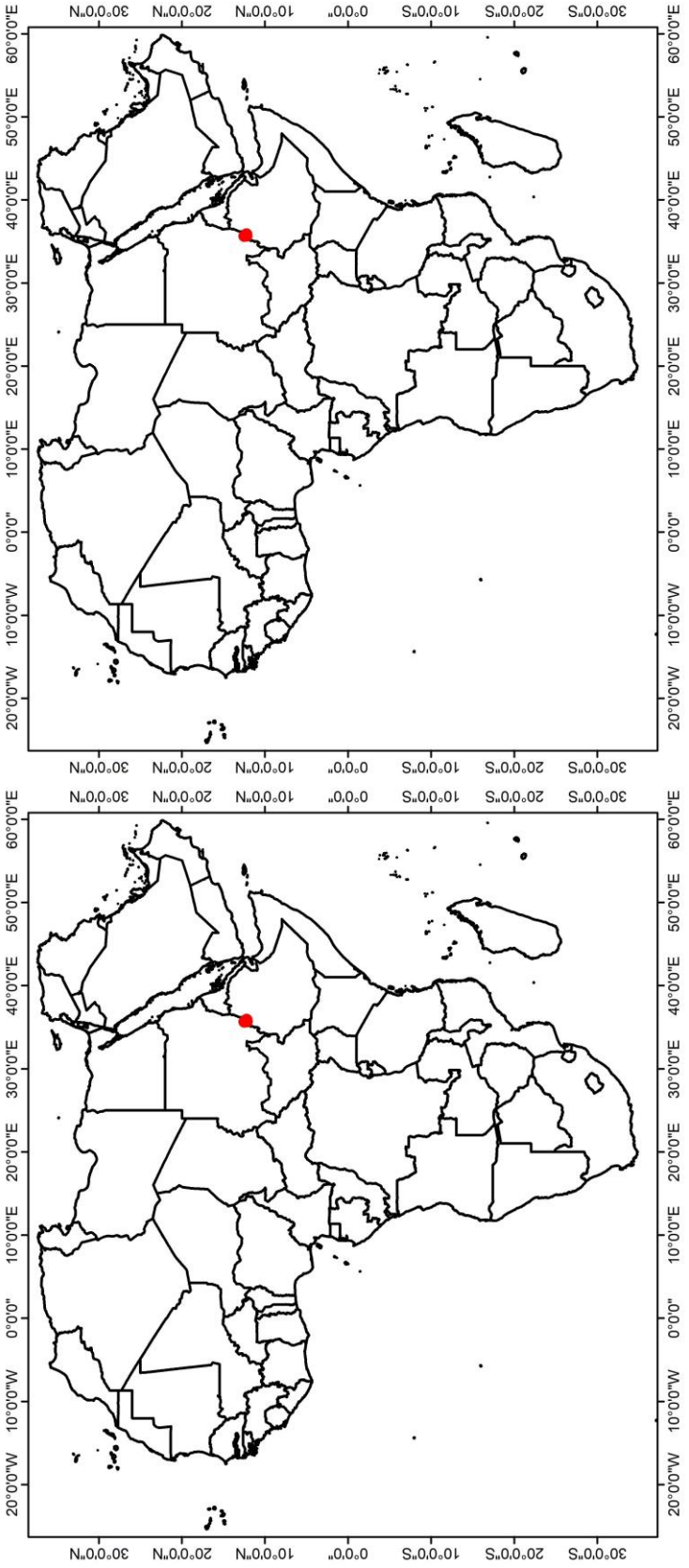

Distribution maps for *Neoromicia aff. guineensis* Bocage, 1889
(left: all voucher specimens; right: voucher specimens collected since 1998).

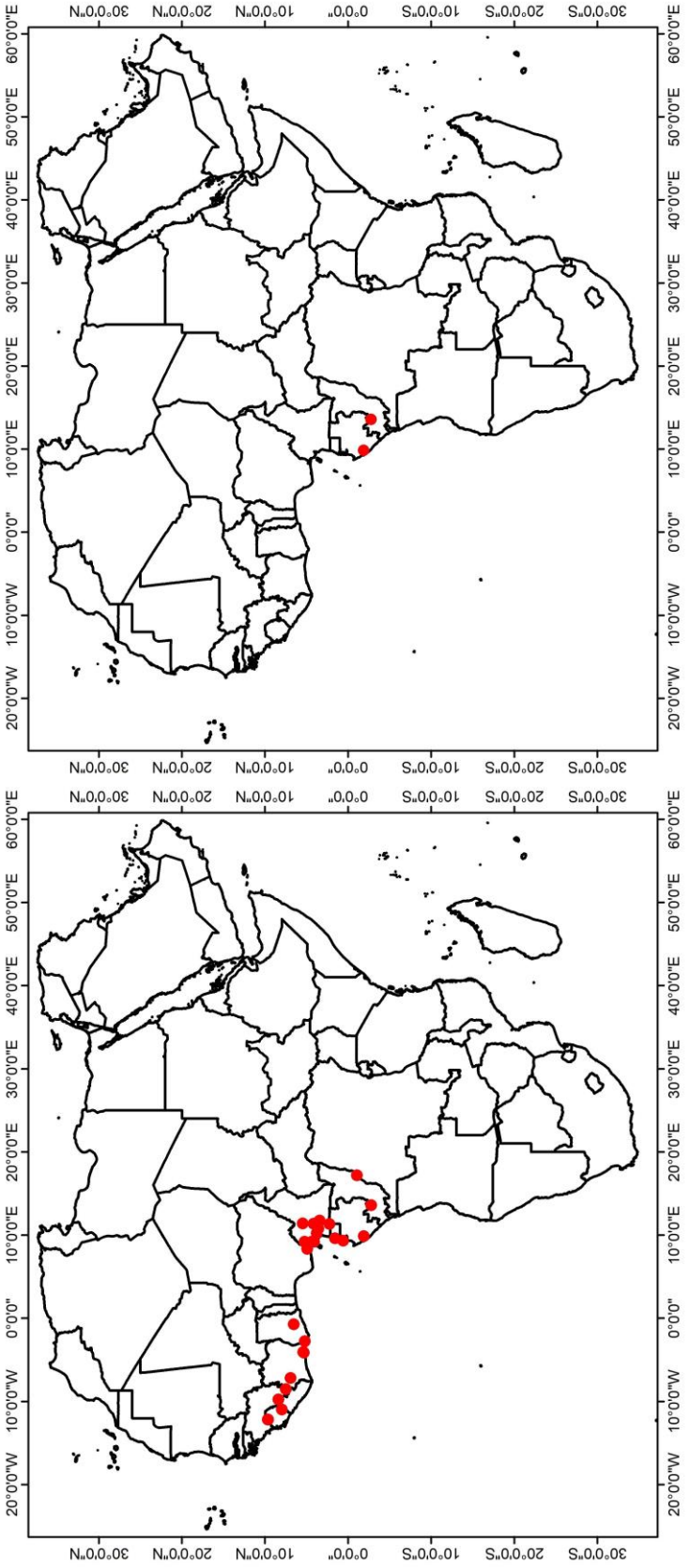

Distribution maps for *Neoromicia brunnea* (Thomas, 1880)
(left: all voucher specimens; right: voucher specimens collected since 1998).

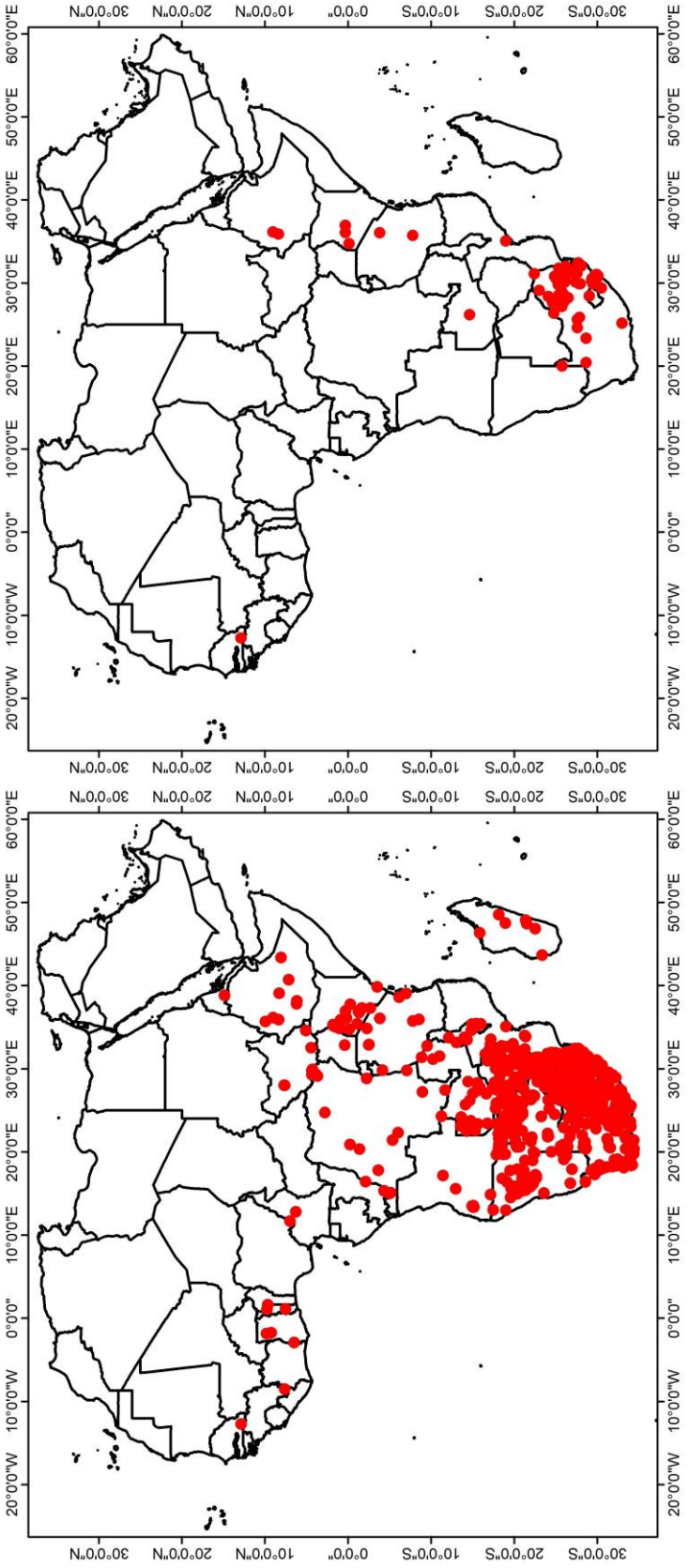

Distribution maps for *Neoromicia capensis* (A. Smith, 1829)
(left: all voucher specimens; right: voucher specimens collected since 1998).

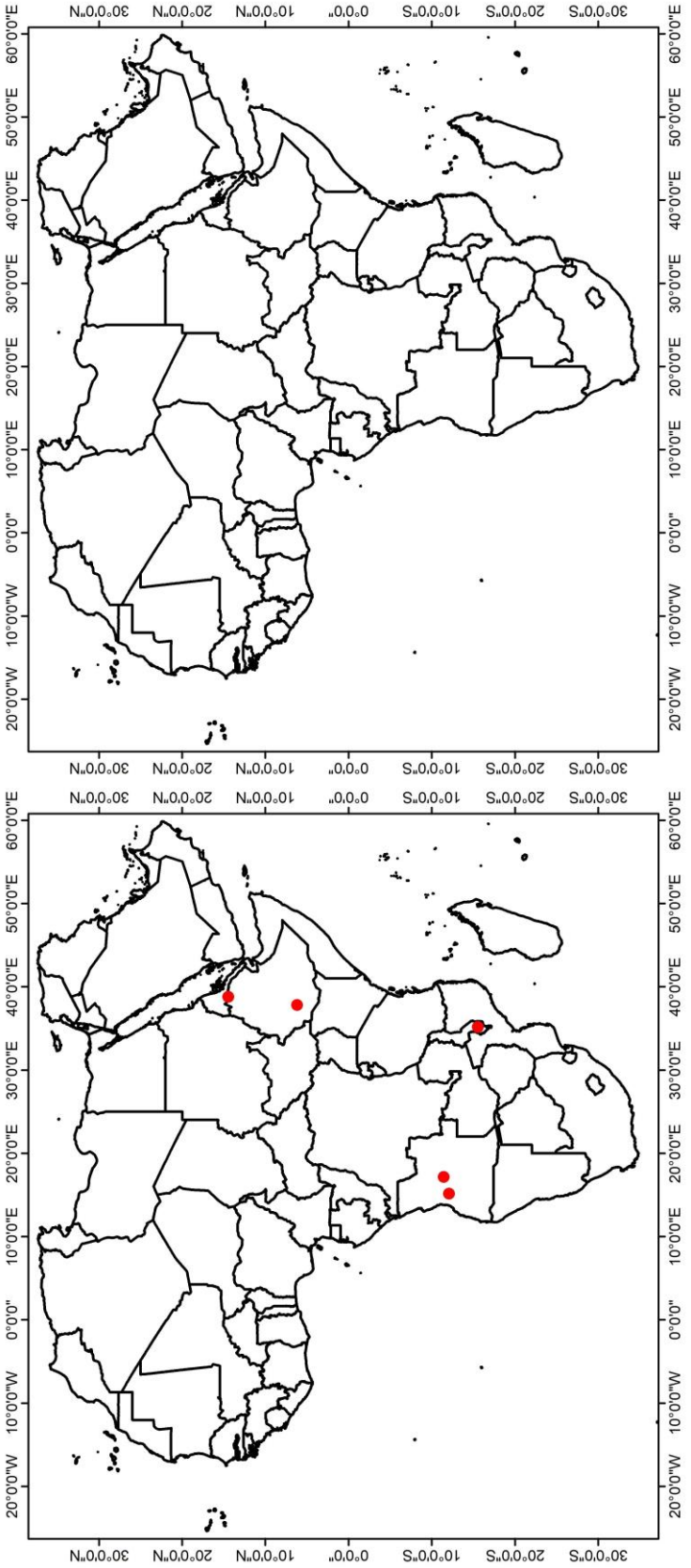

Distribution maps for *Neoromicia flavescens* (Seabra, 1900)
(left: all voucher specimens; right: voucher specimens collected since 1998).

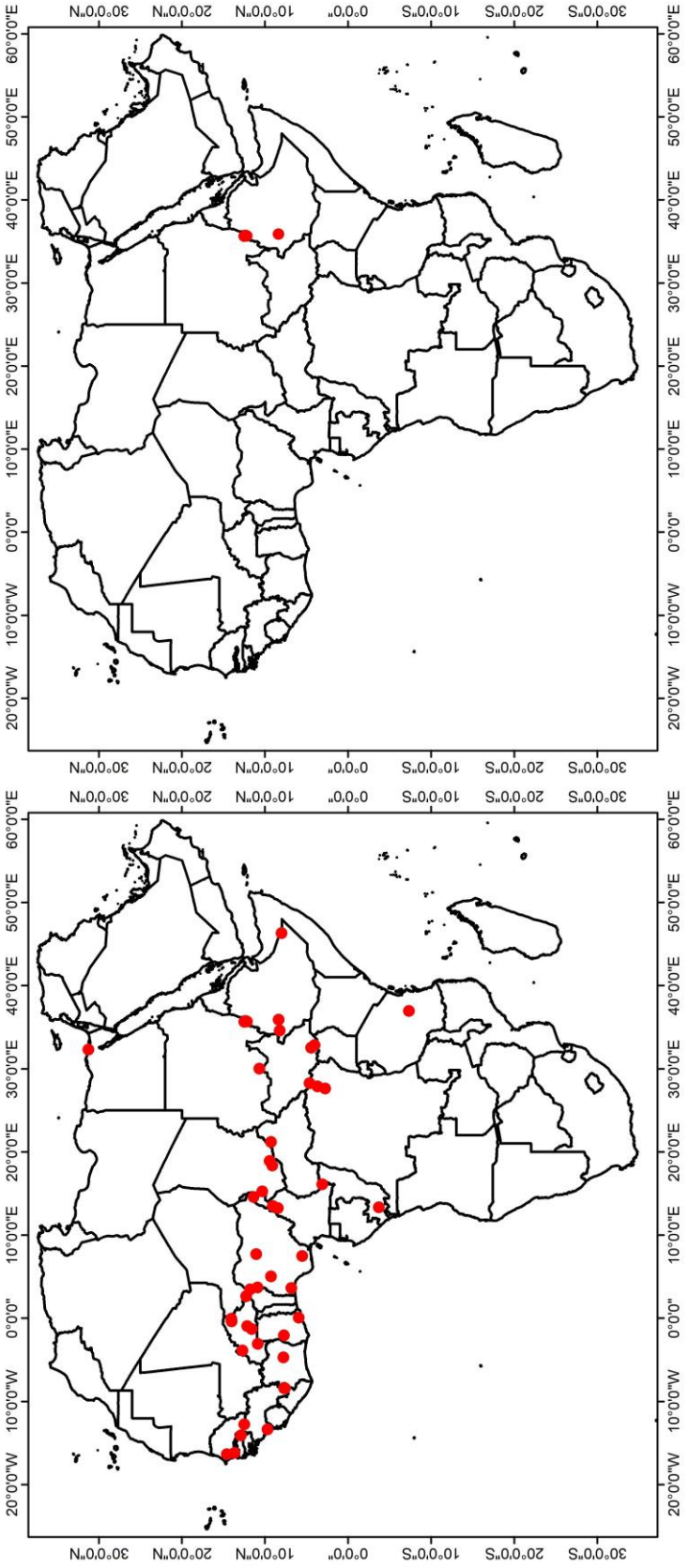

Distribution maps for *Neoromicia guineensis* (Bocage, 1889)
(left: all voucher specimens; right: voucher specimens collected since 1998).

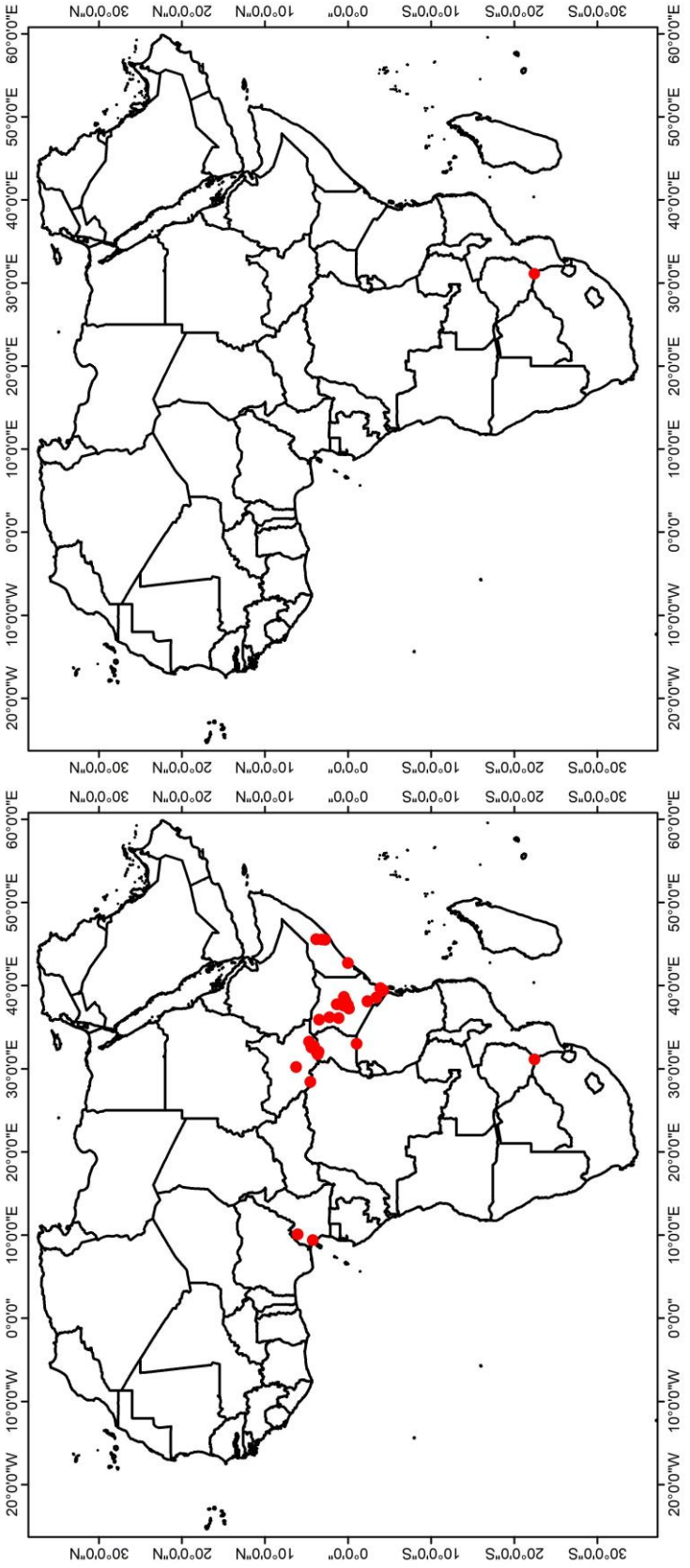

Distribution maps for *Neoromicia helios* (Heller, 1912)
(left: all voucher specimens; right: voucher specimens collected since 1998).

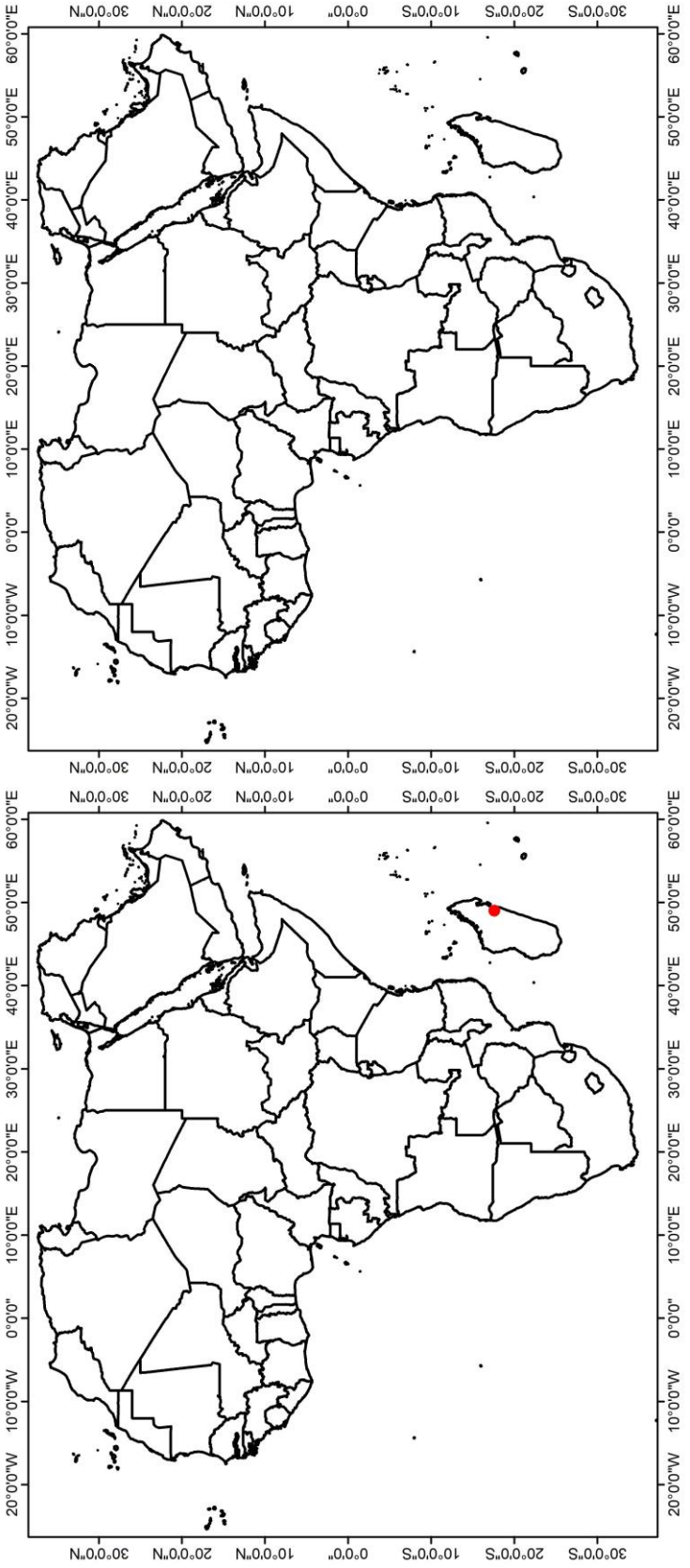

Distribution maps for *Neoromicia humbloti* (A. Milne-Edwards, 1881)
(left: all voucher specimens; right: voucher specimens collected since 1998).

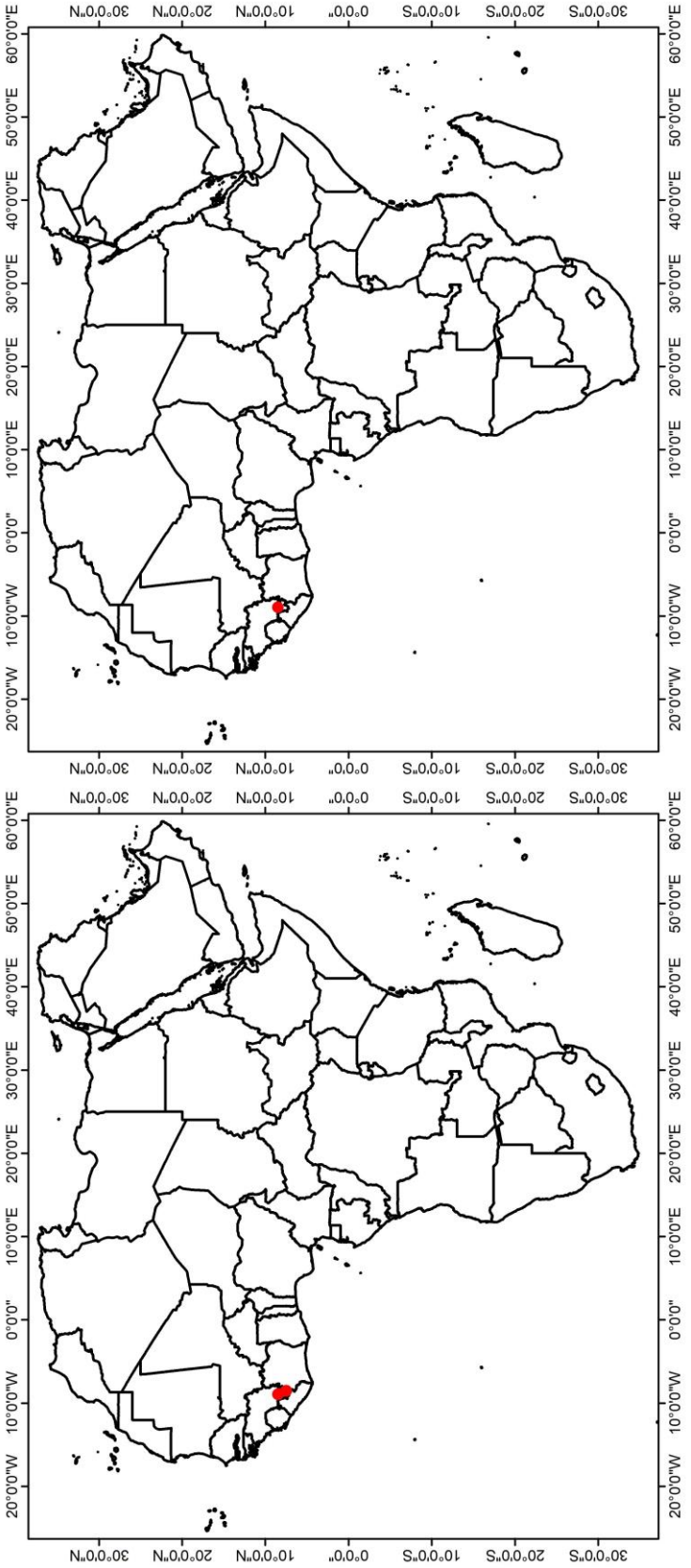

Distribution maps for *Neoromicia isabella* Decher, Hutterer and Monadjem, 2016 (left: all voucher specimens; right: voucher specimens collected since 1998).

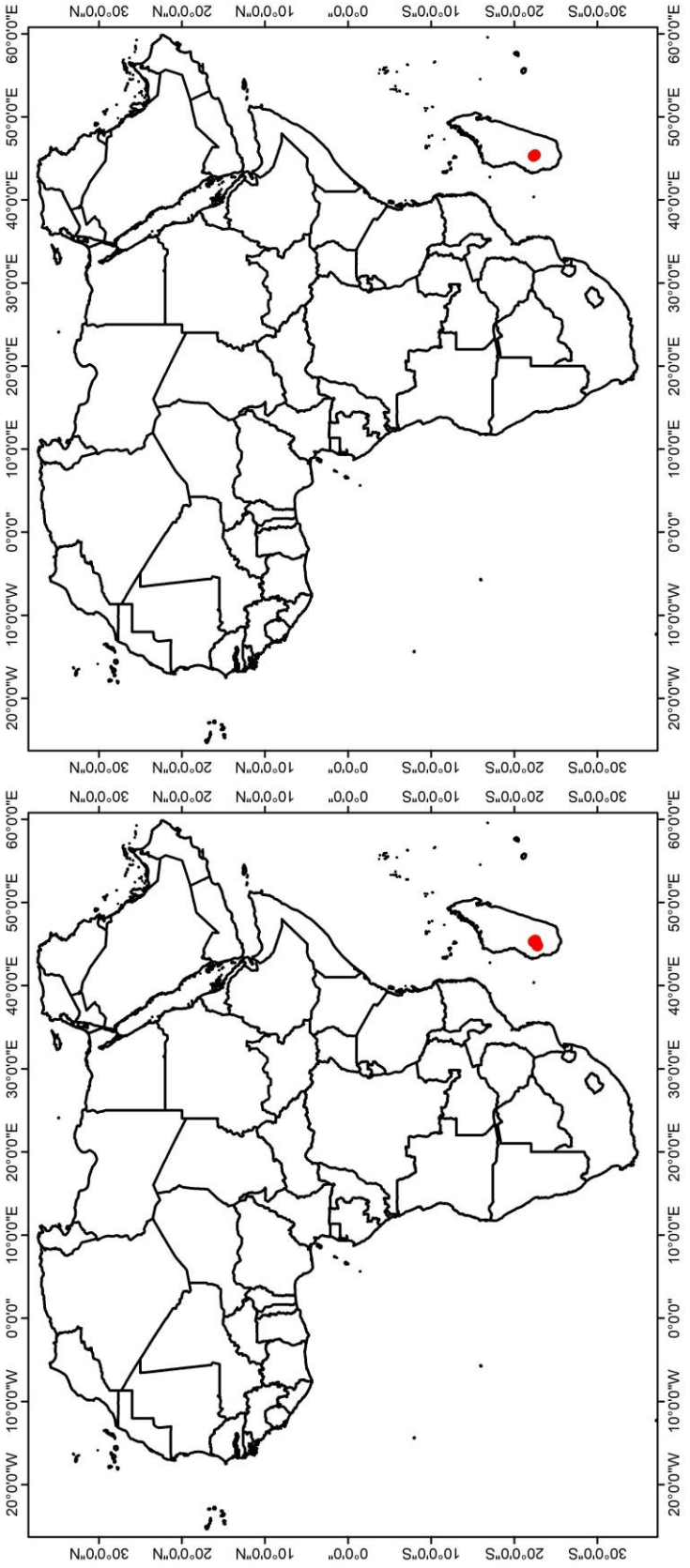

Distribution maps for *Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
(left: all voucher specimens; right: voucher specimens collected since 1998).

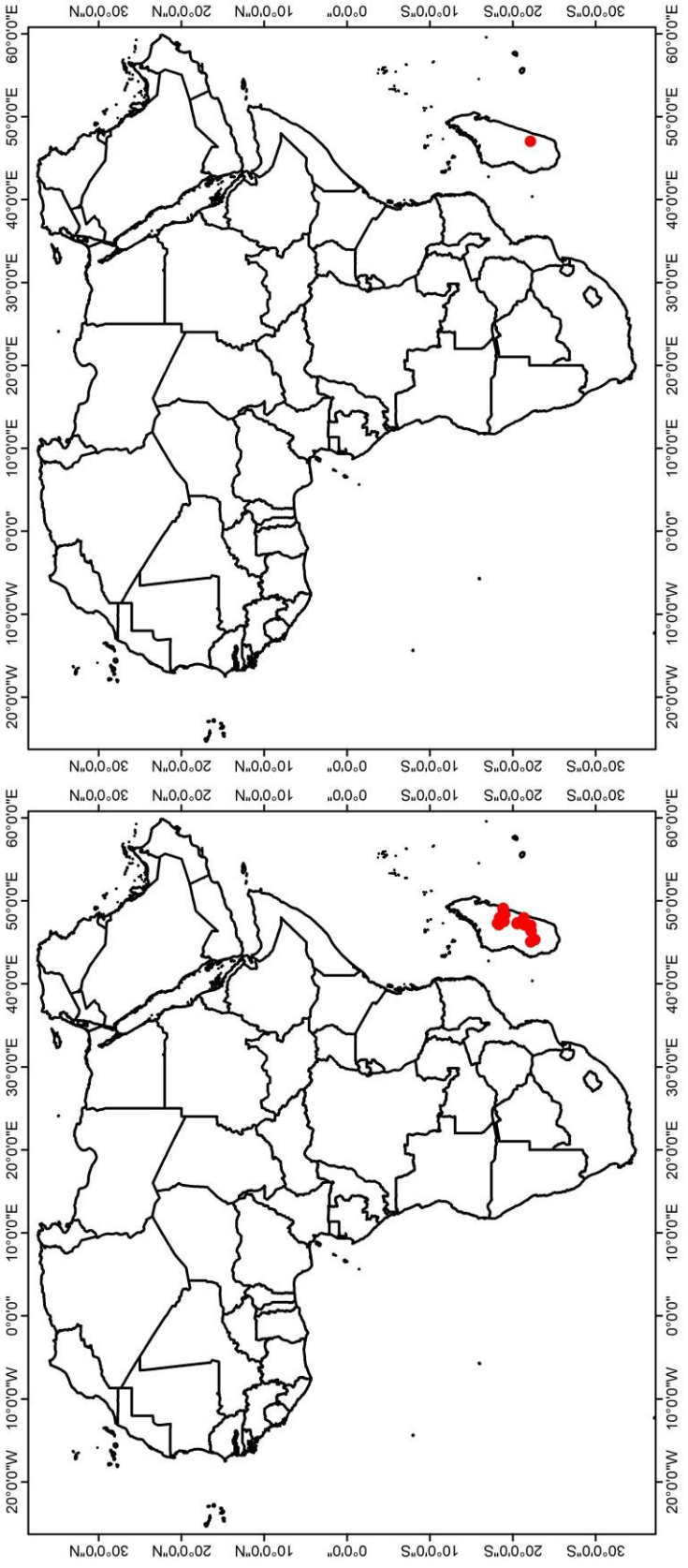

Distribution maps for *Neoromicia matroka* (Thomas and Schwann, 1905)
(left: all voucher specimens; right: voucher specimens collected since 1998).

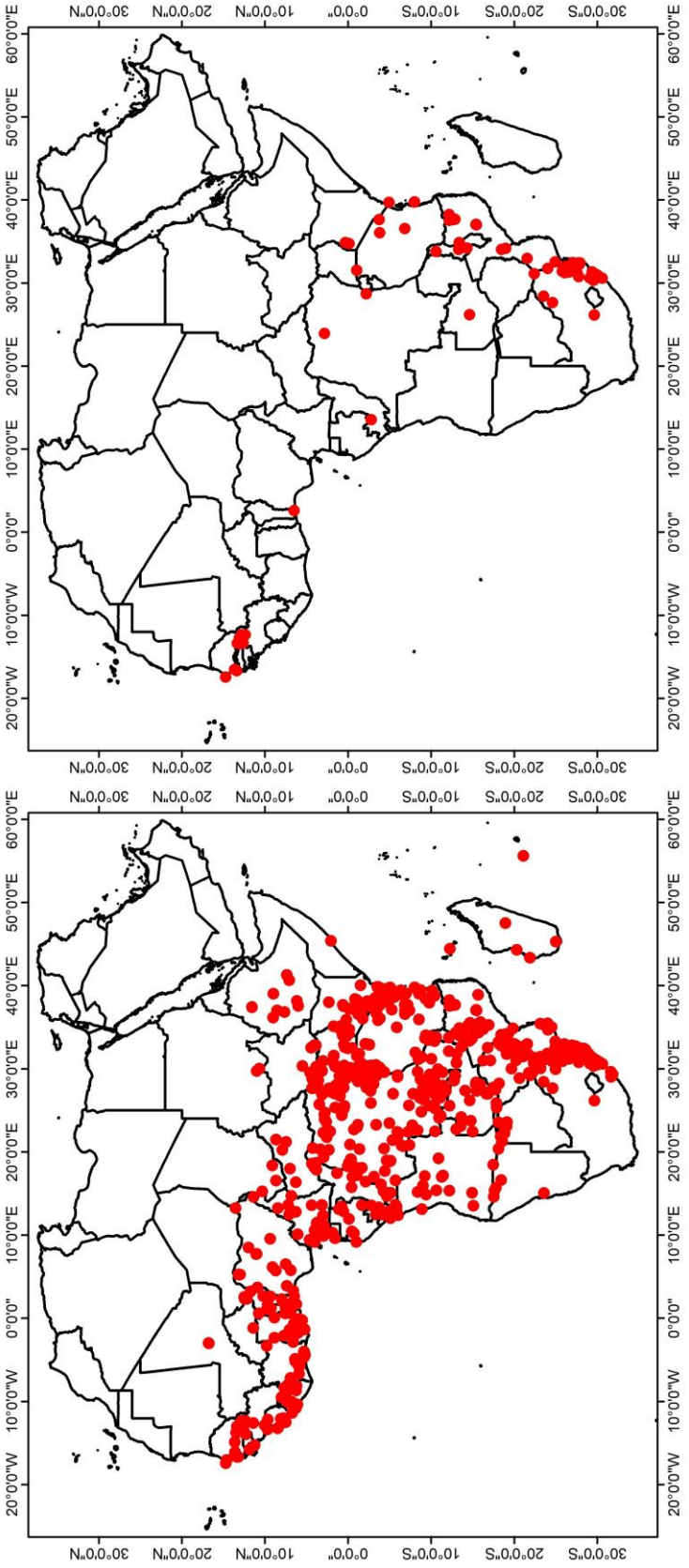

Distribution maps for *Neoromicia nana* (Peters, 1852)
(left: all voucher specimens; right: voucher specimens collected since 1998).

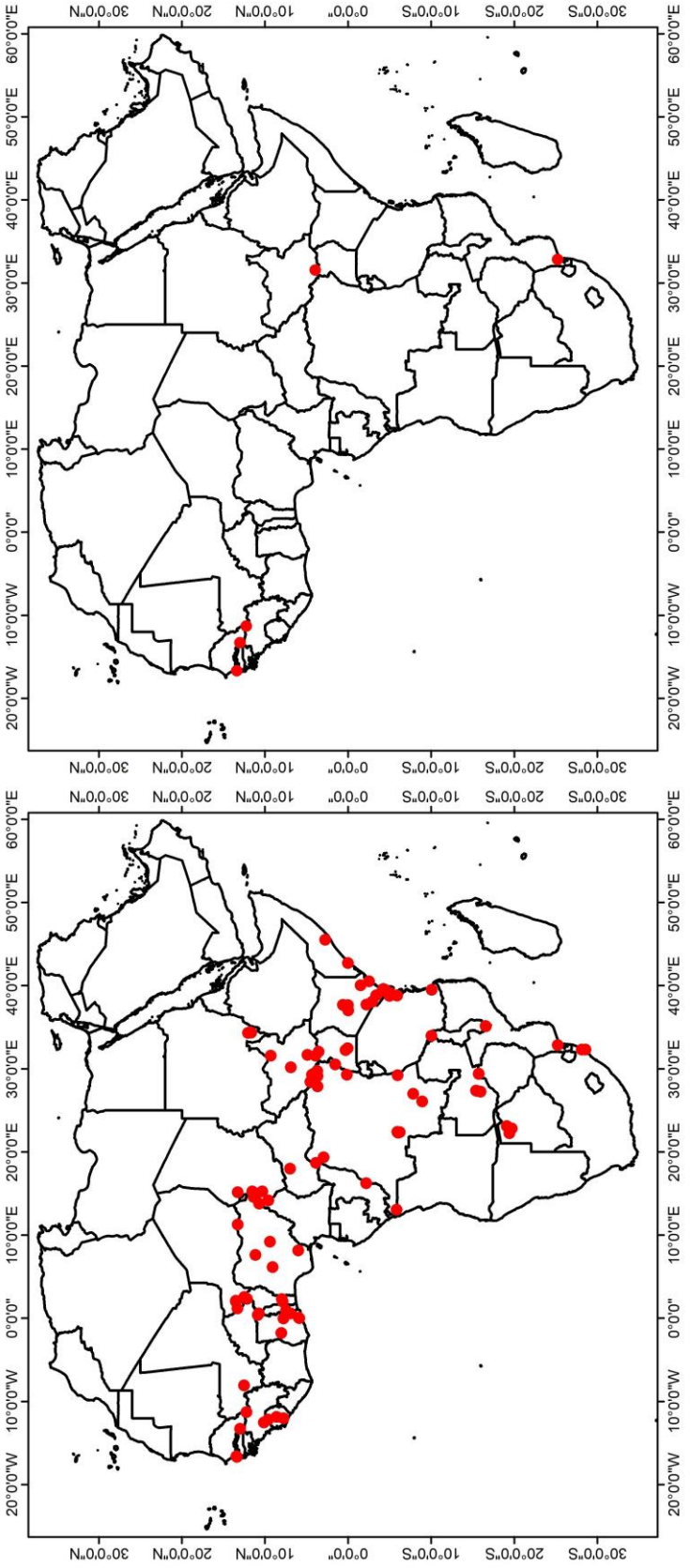

Distribution maps for *Neoromicia rendalli* (Thomas, 1889)
(left: all voucher specimens; right: voucher specimens collected since 1998).

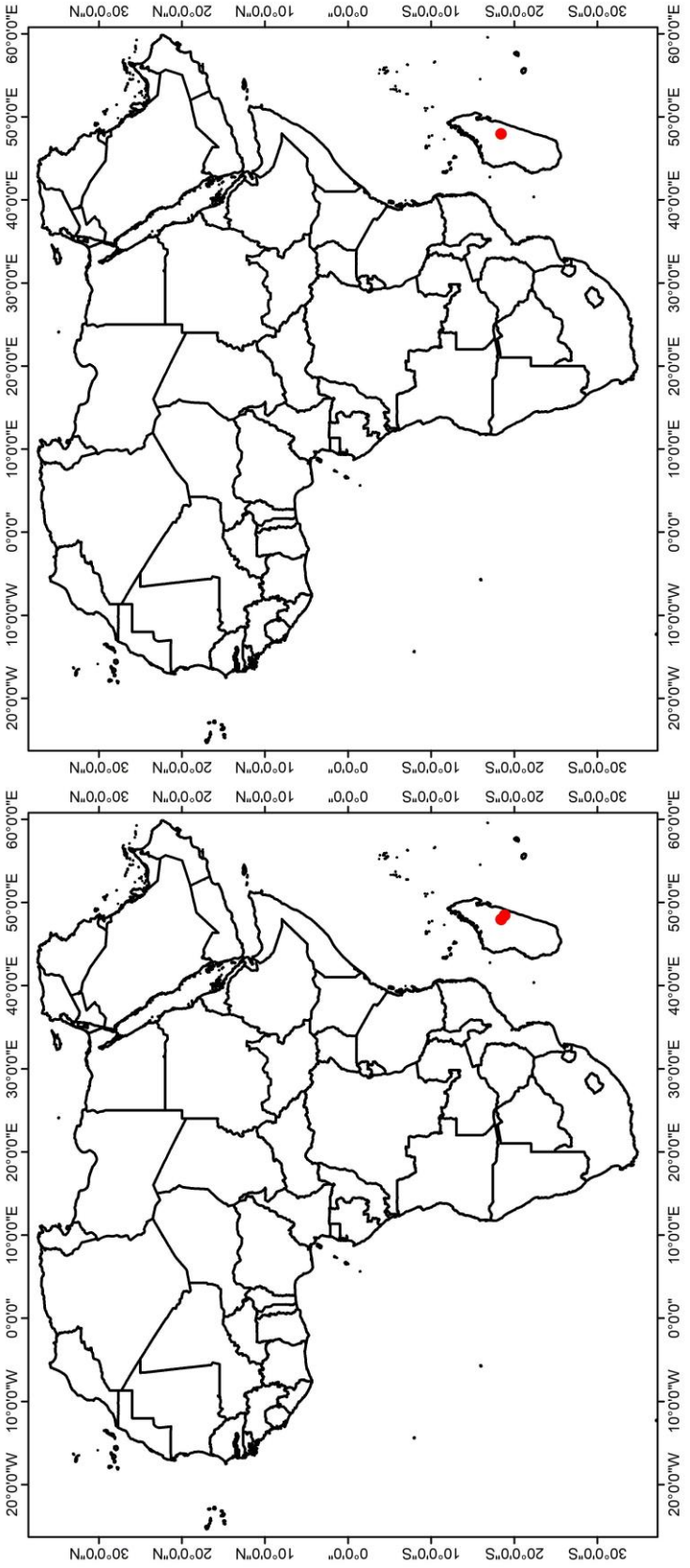

Distribution maps for *Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012
(left: all voucher specimens; right: voucher specimens collected since 1998).

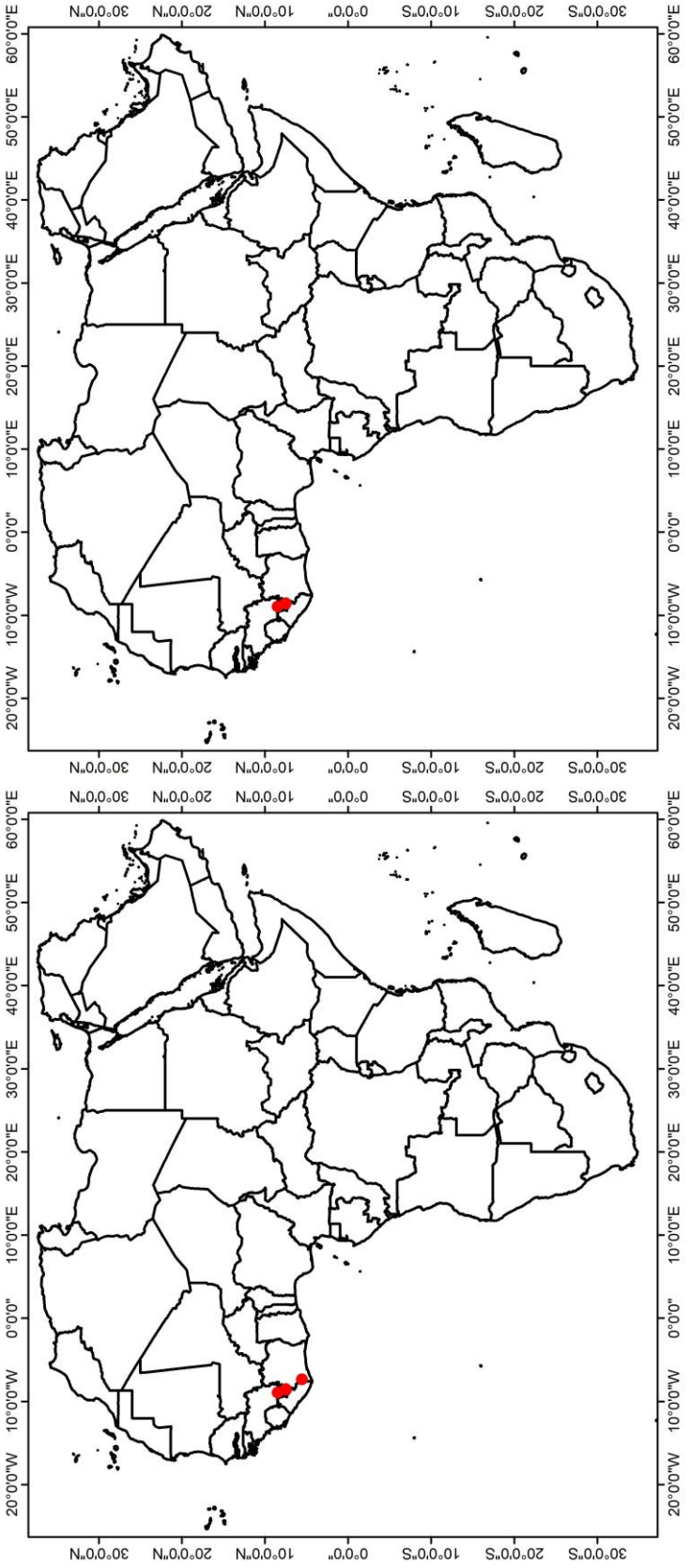

Distribution maps for *Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013
(left: all voucher specimens; right: voucher specimens collected since 1998).

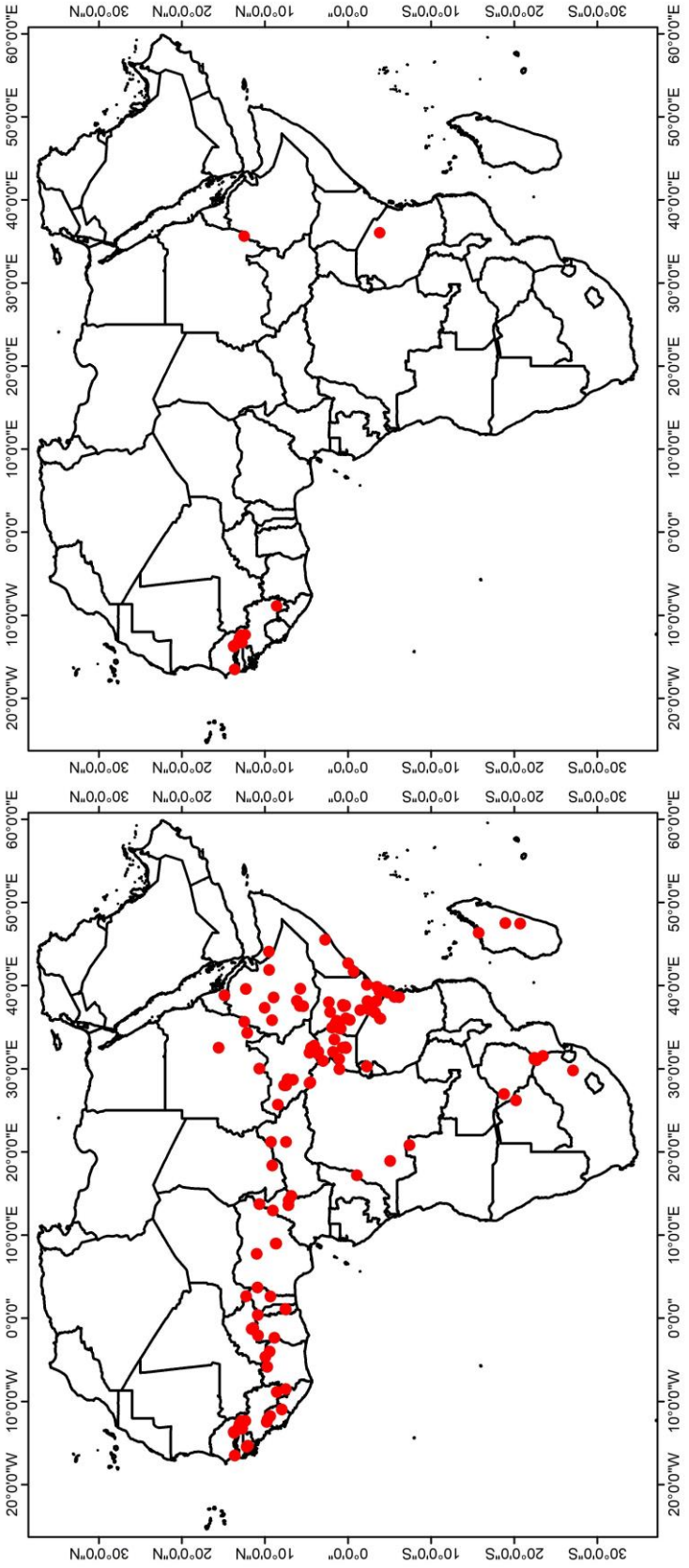

Distribution maps for *Neoromicia somalica* (Thomas, 1901)
(left: all voucher specimens; right: voucher specimens collected since 1998).

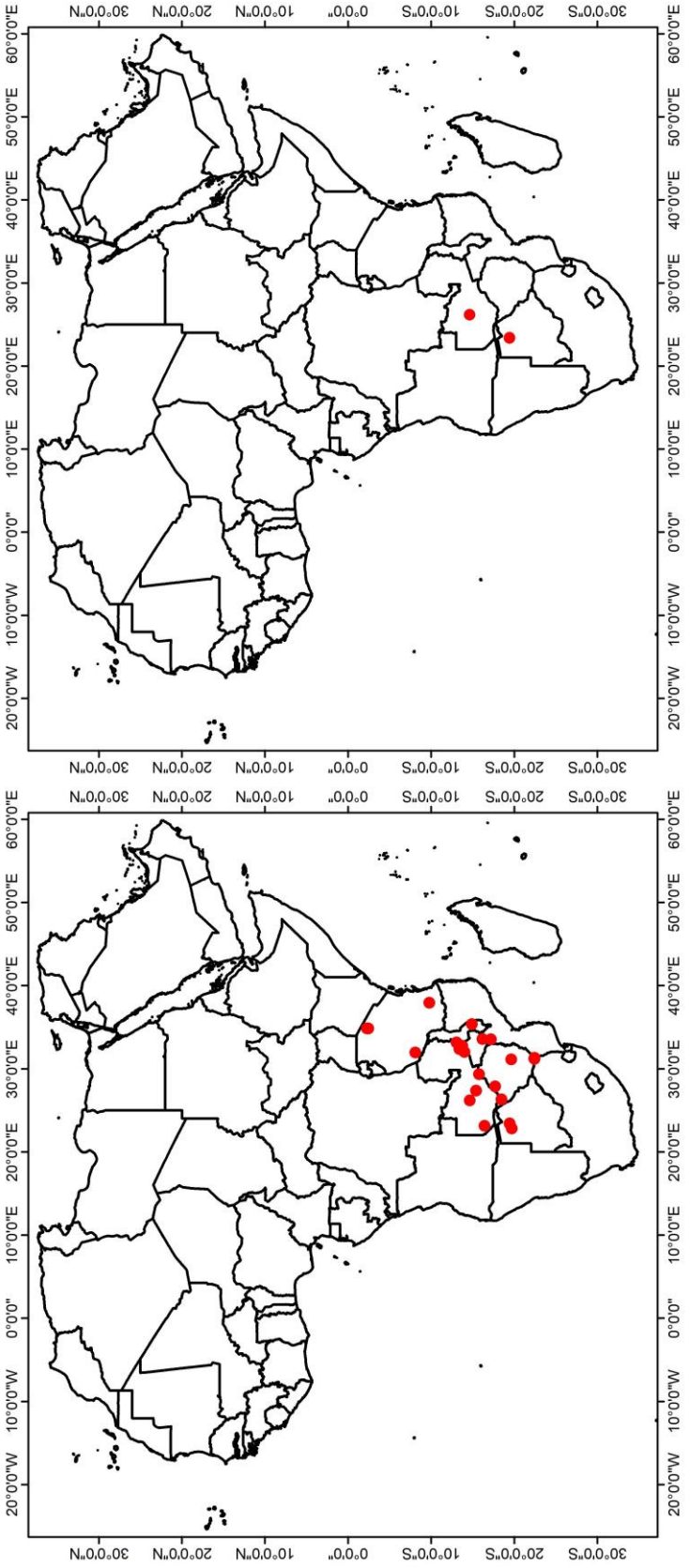

Distribution maps for *Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017 (left: all voucher specimens; right: voucher specimens collected since 1998).

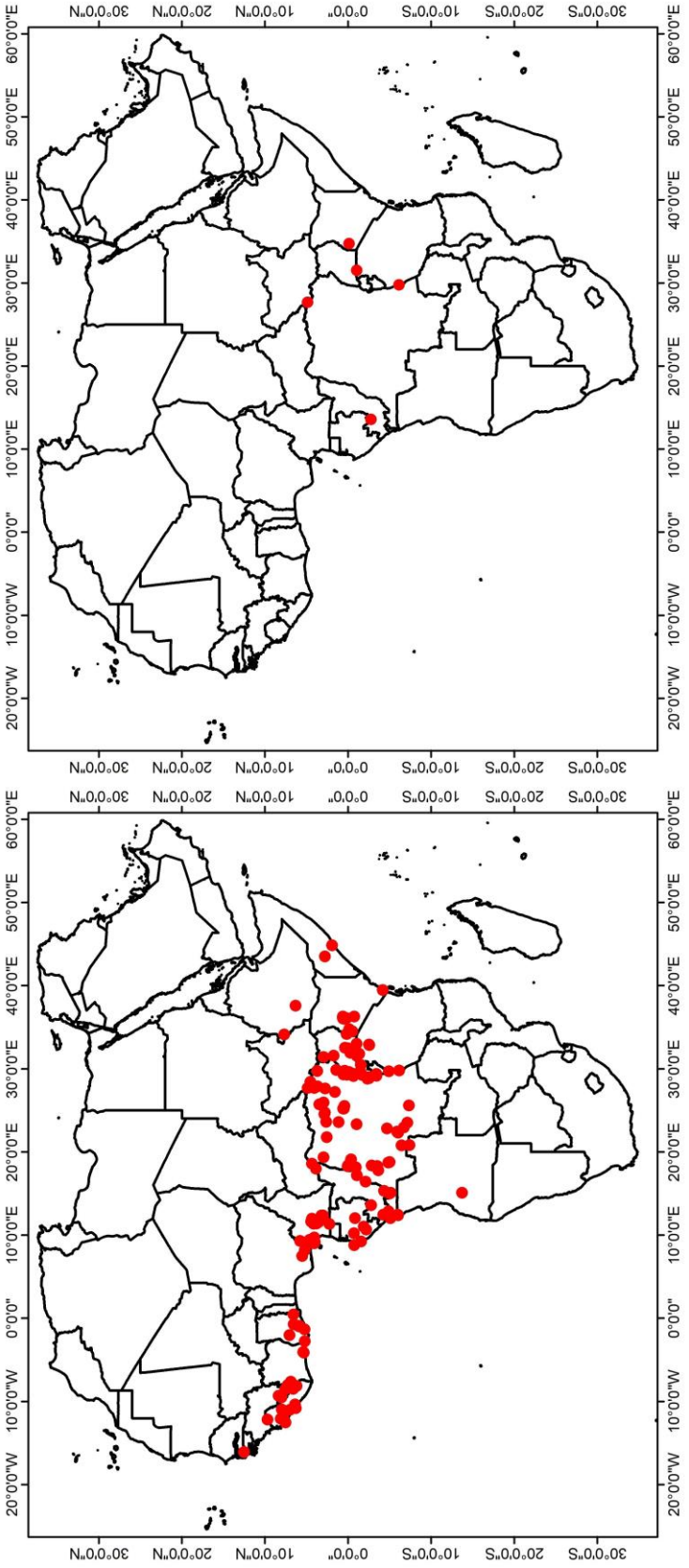

Distribution maps for *Neoromicia tenuipinnis* (Peters, 1872)
(left: all voucher specimens; right: voucher specimens collected since 1998).

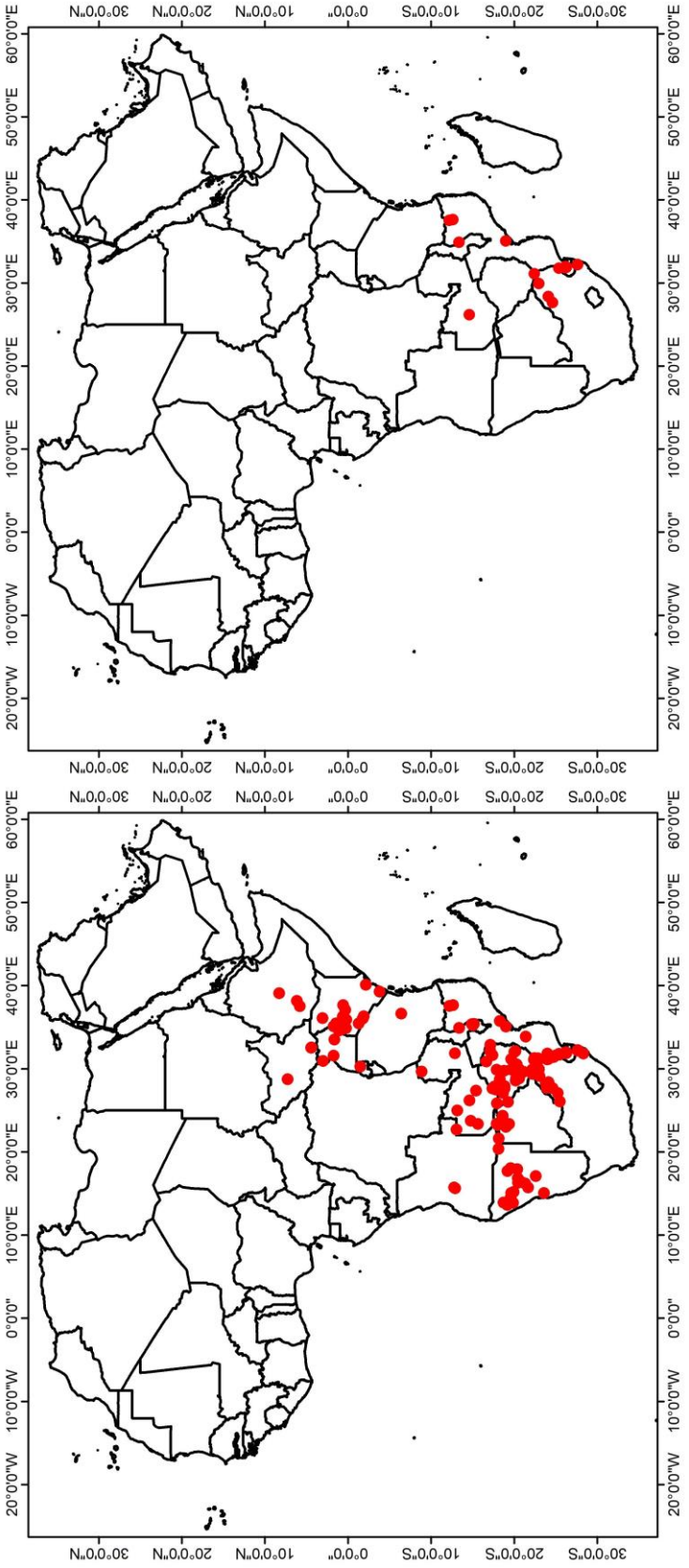

Distribution maps for *Neoromicia zuluensis* (Roberts, 1924)
(left: all voucher specimens; right: voucher specimens collected since 1998).

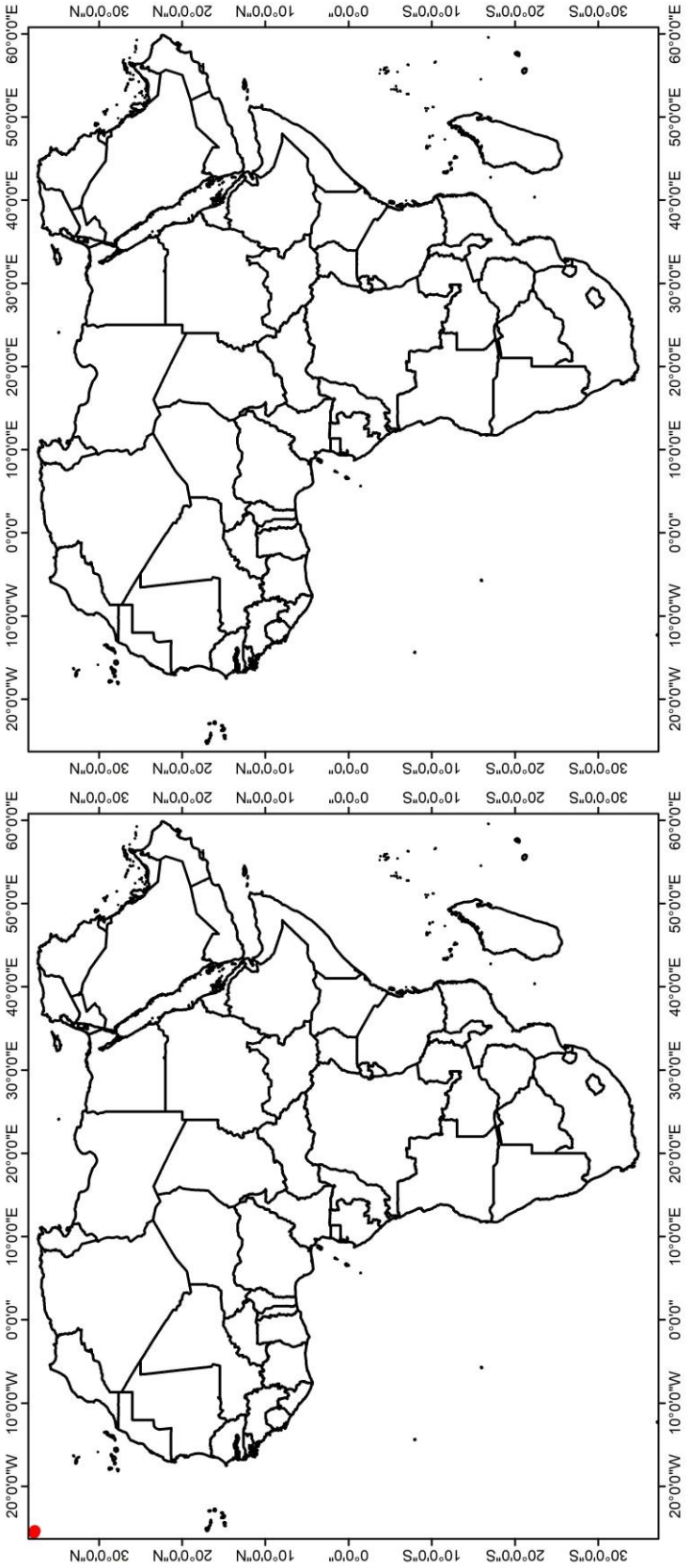

Distribution maps for *Nyctalus azoreum* (Thomas, 1901)
(left: all voucher specimens; right: voucher specimens collected since 1998).

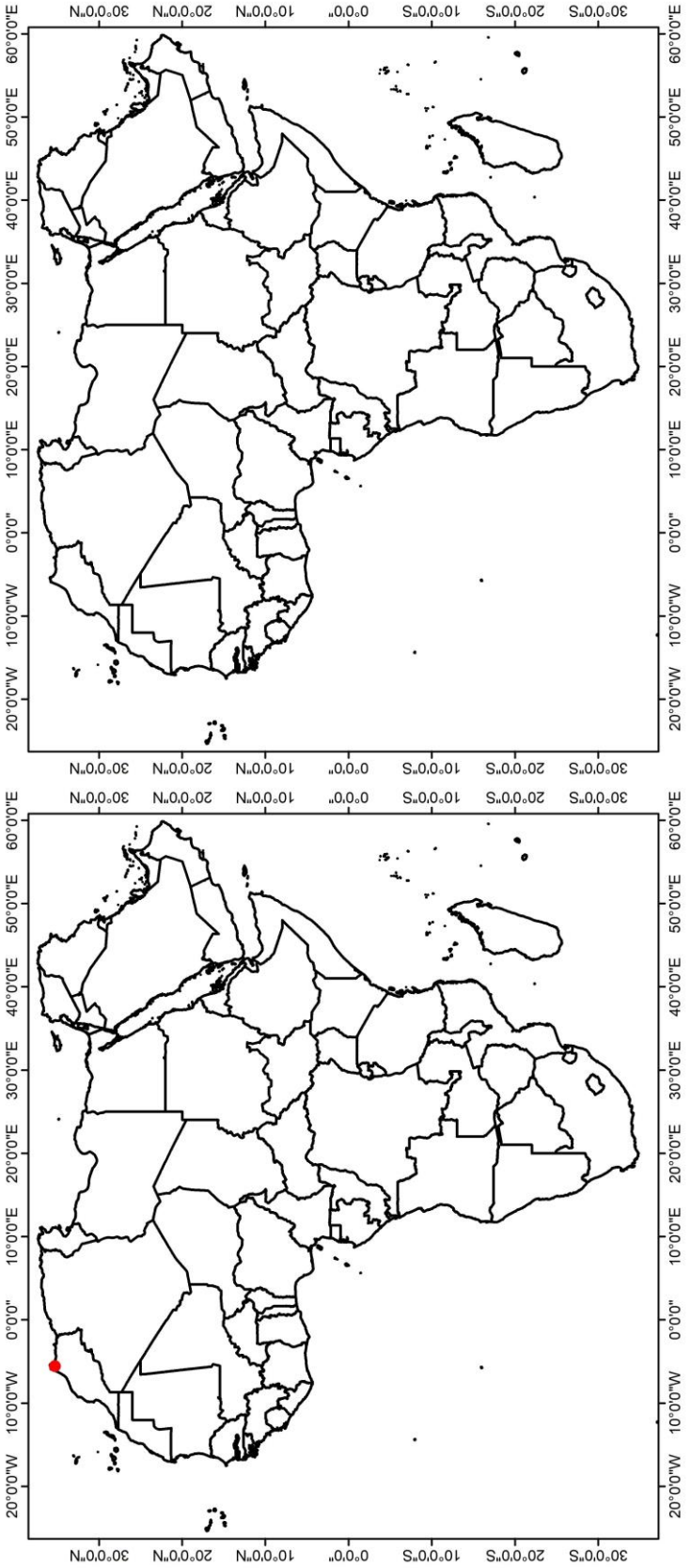

Distribution maps for *Nyctalus lasiopterus* (Schreber, 1780)
(left: all voucher specimens; right: voucher specimens collected since 1998).

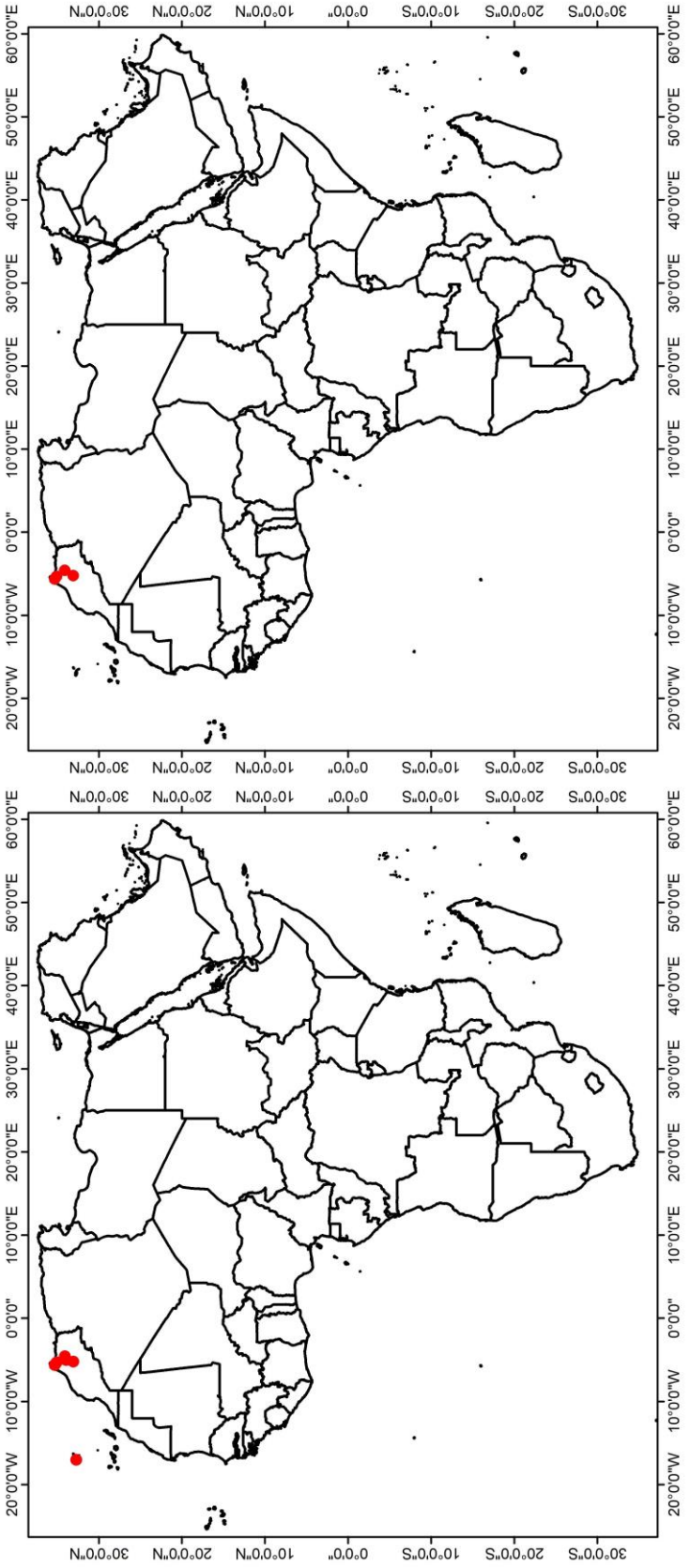

Distribution maps for *Nyctalus leisleri* (Kuhl, 1817)
(left: all voucher specimens; right: voucher specimens collected since 1998).

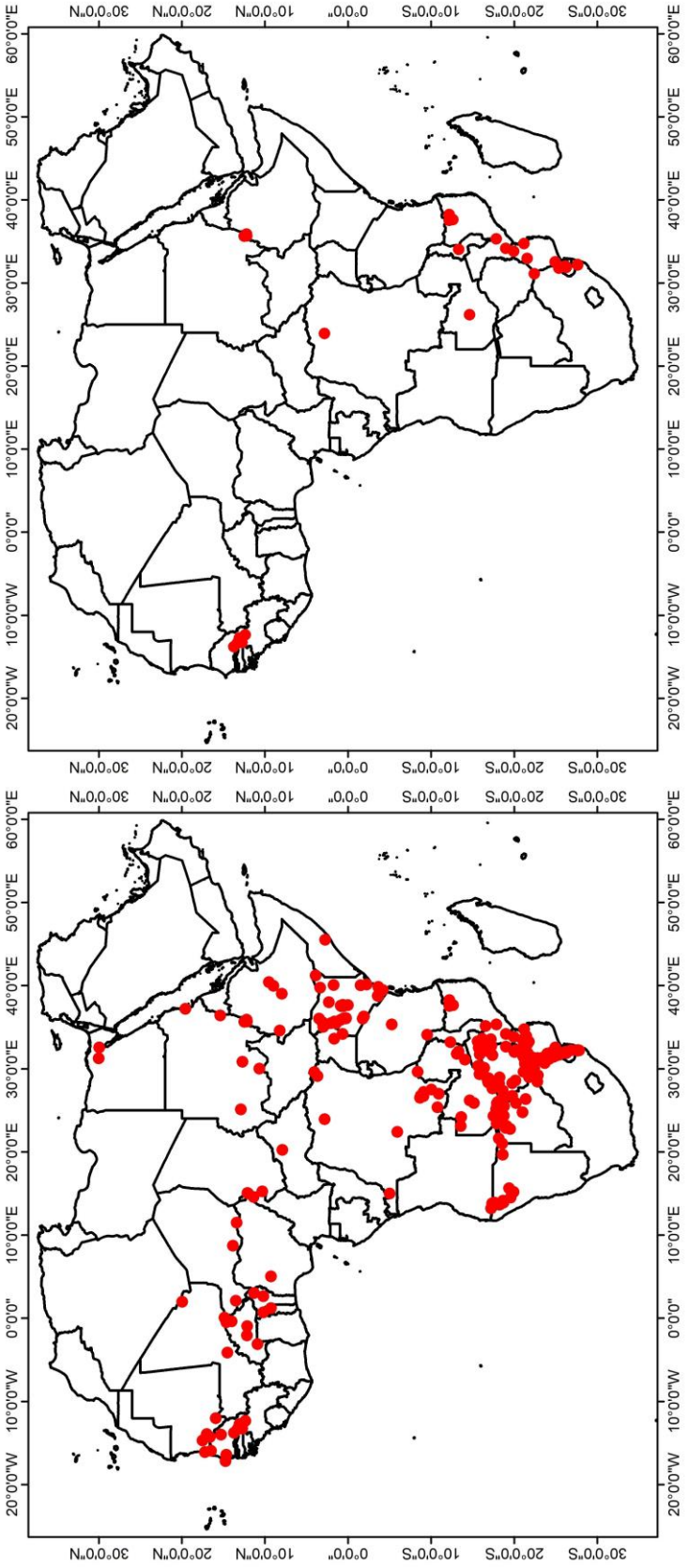

Distribution maps for *Nycticeinops schlieffenii* (Peters, 1859)
(left: all voucher specimens; right: voucher specimens collected since 1998).

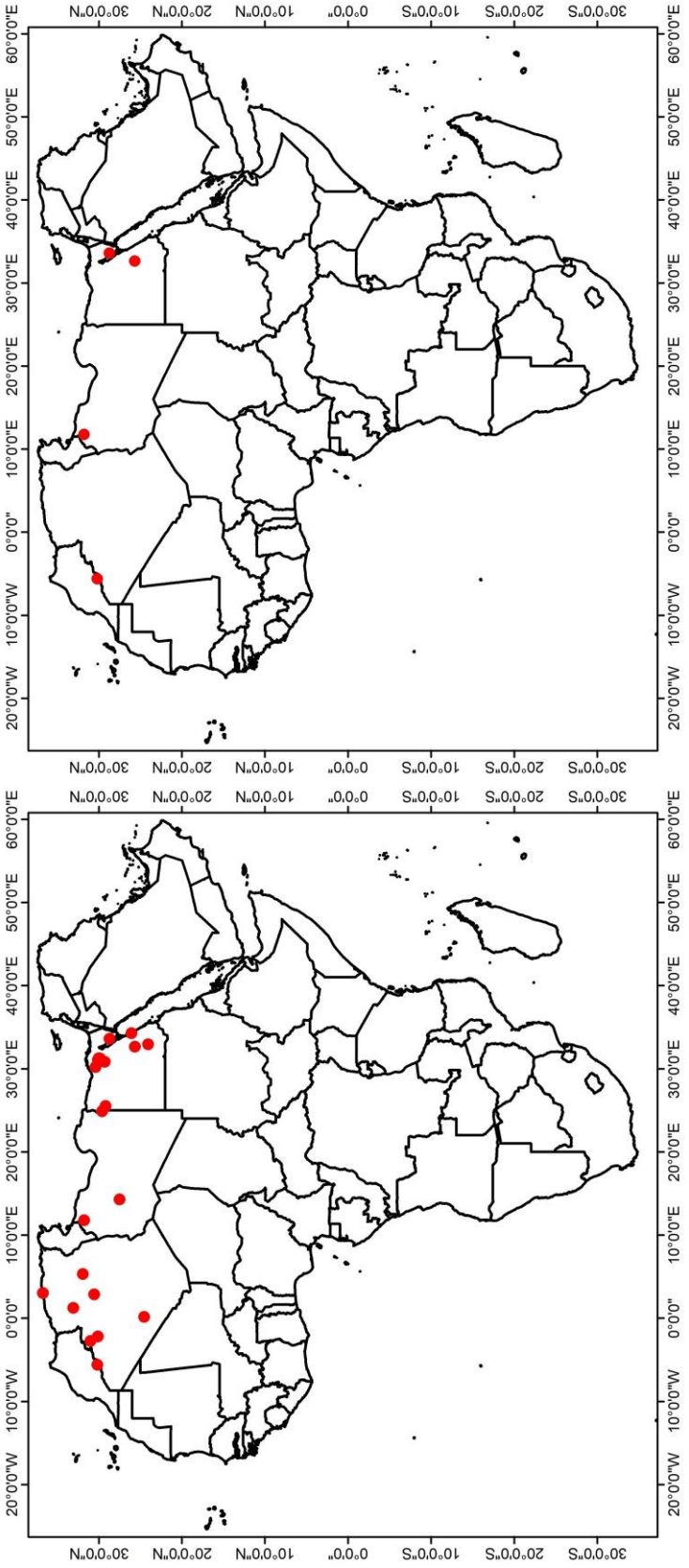

Distribution maps for *Otonycteris hemprichii* Peters, 1859
(left: all voucher specimens; right: voucher specimens collected since 1998).

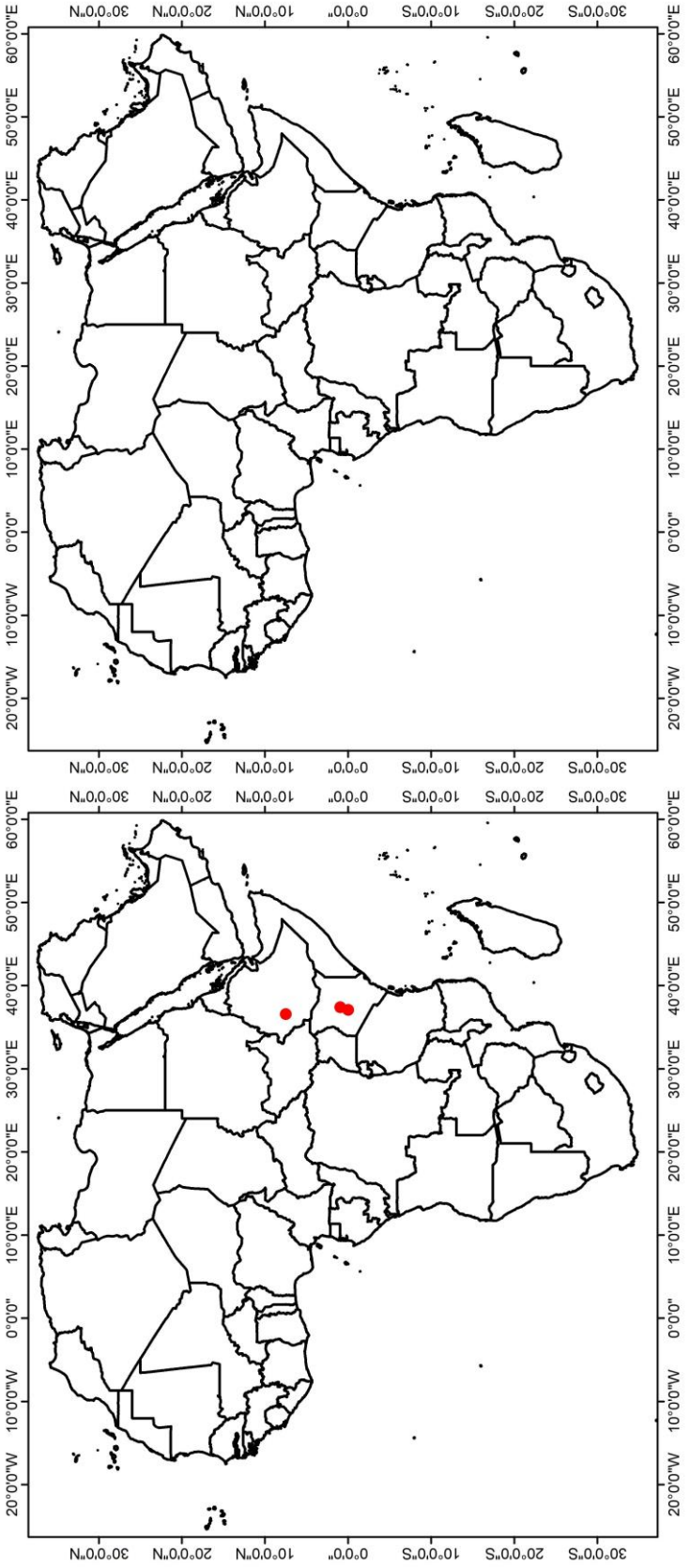

Distribution maps for *Pipistrellus aero* Heller, 1912
(left: all voucher specimens; right: voucher specimens collected since 1998).

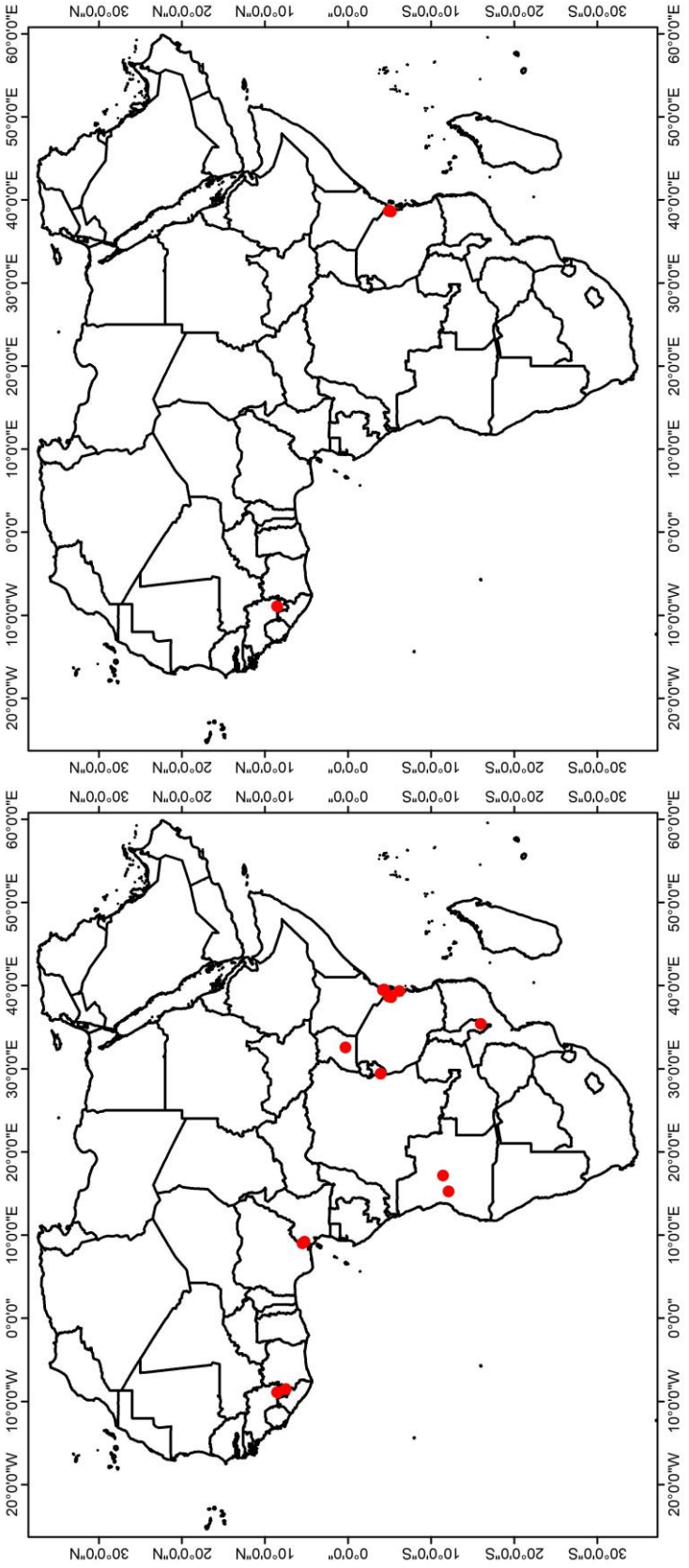

Distribution maps for *Pipistrellus grandidieri* (Dobson, 1876)
(left: all voucher specimens; right: voucher specimens collected since 1998).

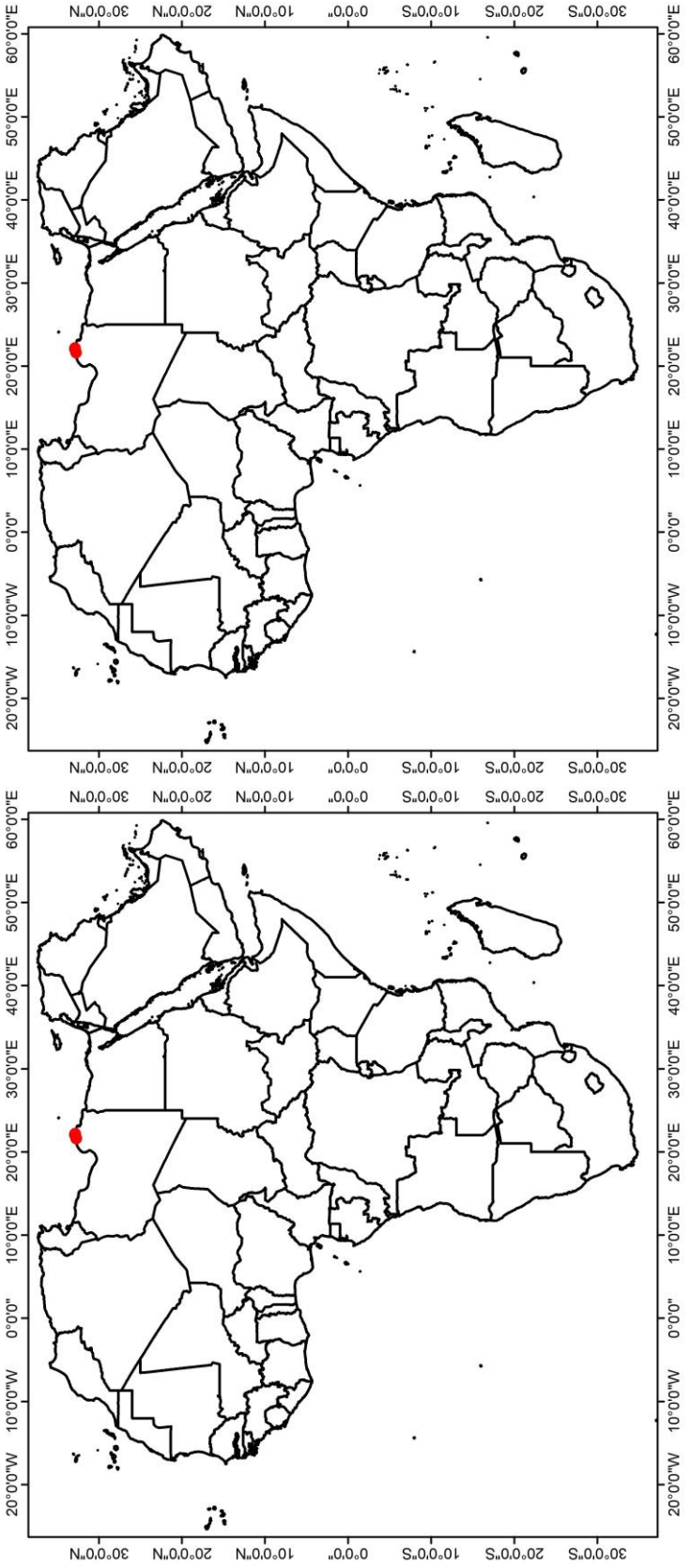

Distribution maps for *Pipistrellus hanaki* Hulva and Benda, 2004
(left: all voucher specimens; right: voucher specimens collected since 1998).

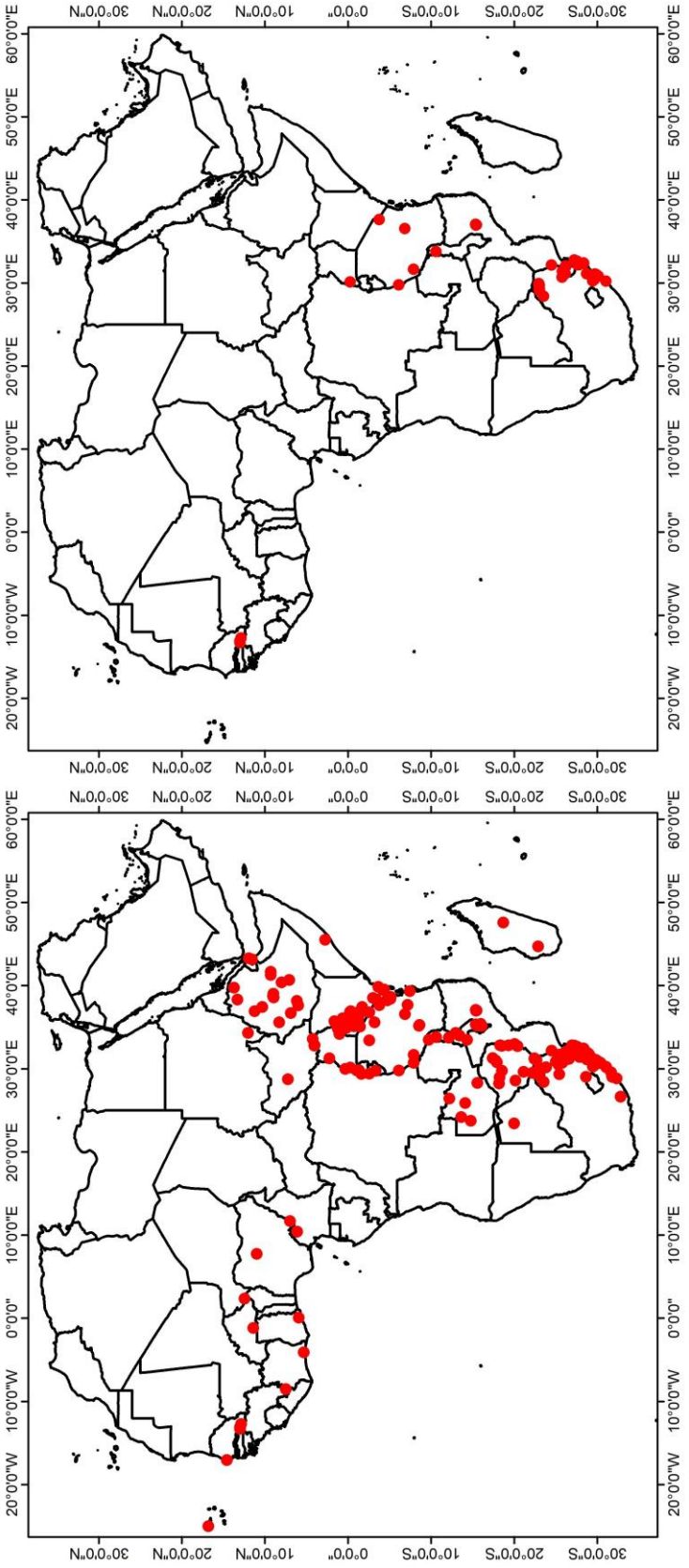

Distribution maps for *Pipistrellus hesperidus* (Temminck, 1840)
(left: all voucher specimens; right: voucher specimens collected since 1998).

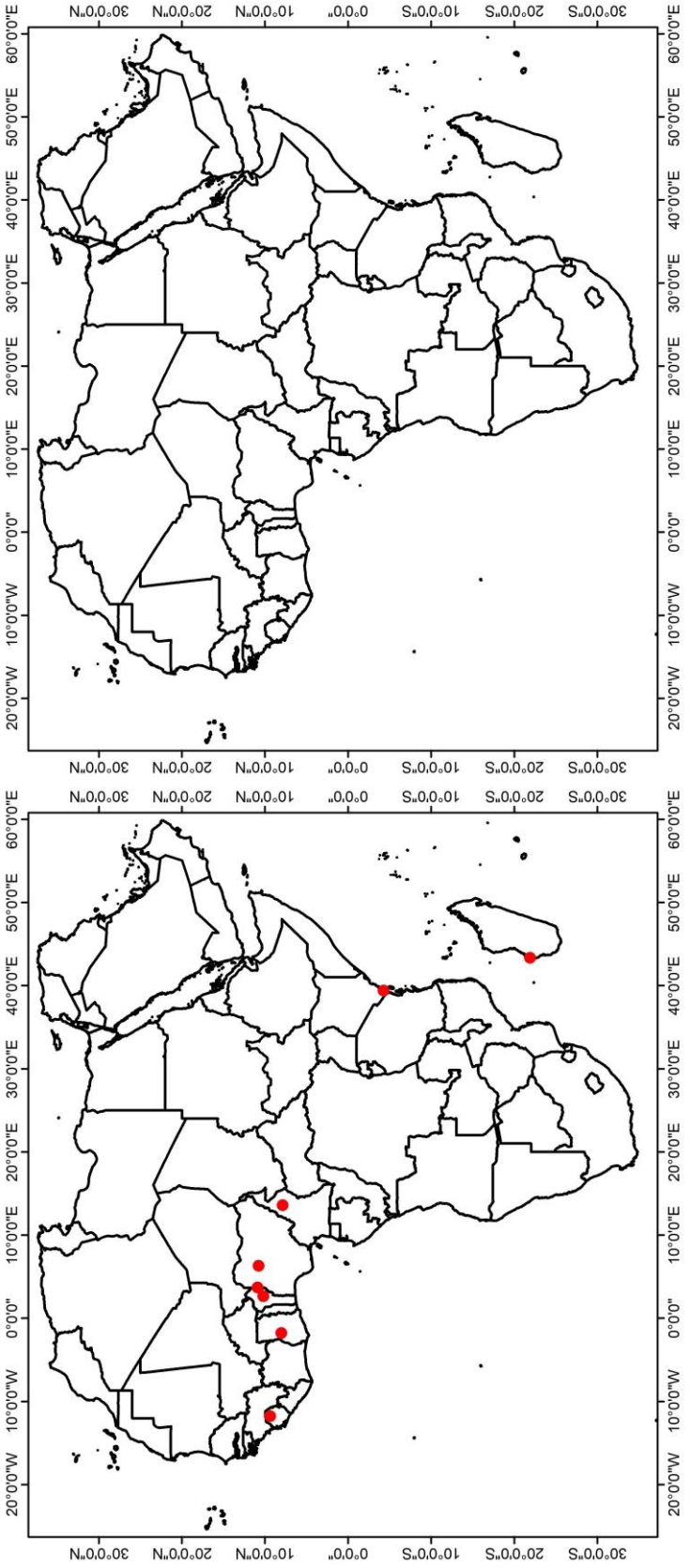

Distribution maps for *Pipistrellus inexspectatus* Aellen, 1959
(left: all voucher specimens; right: voucher specimens collected since 1998).

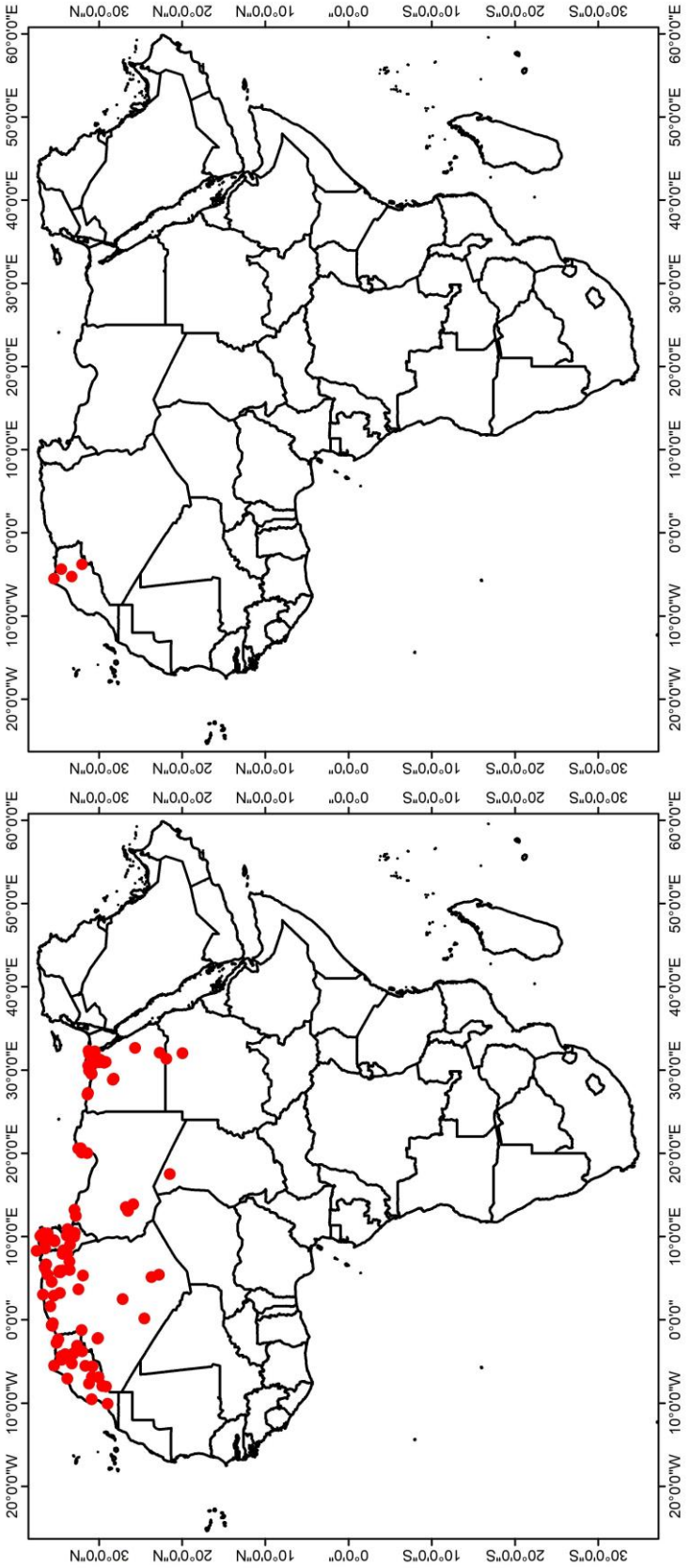

Distribution maps for *Pipistrellus kuhlii* (Kuhl, 1817)
(left: all voucher specimens; right: voucher specimens collected since 1998).

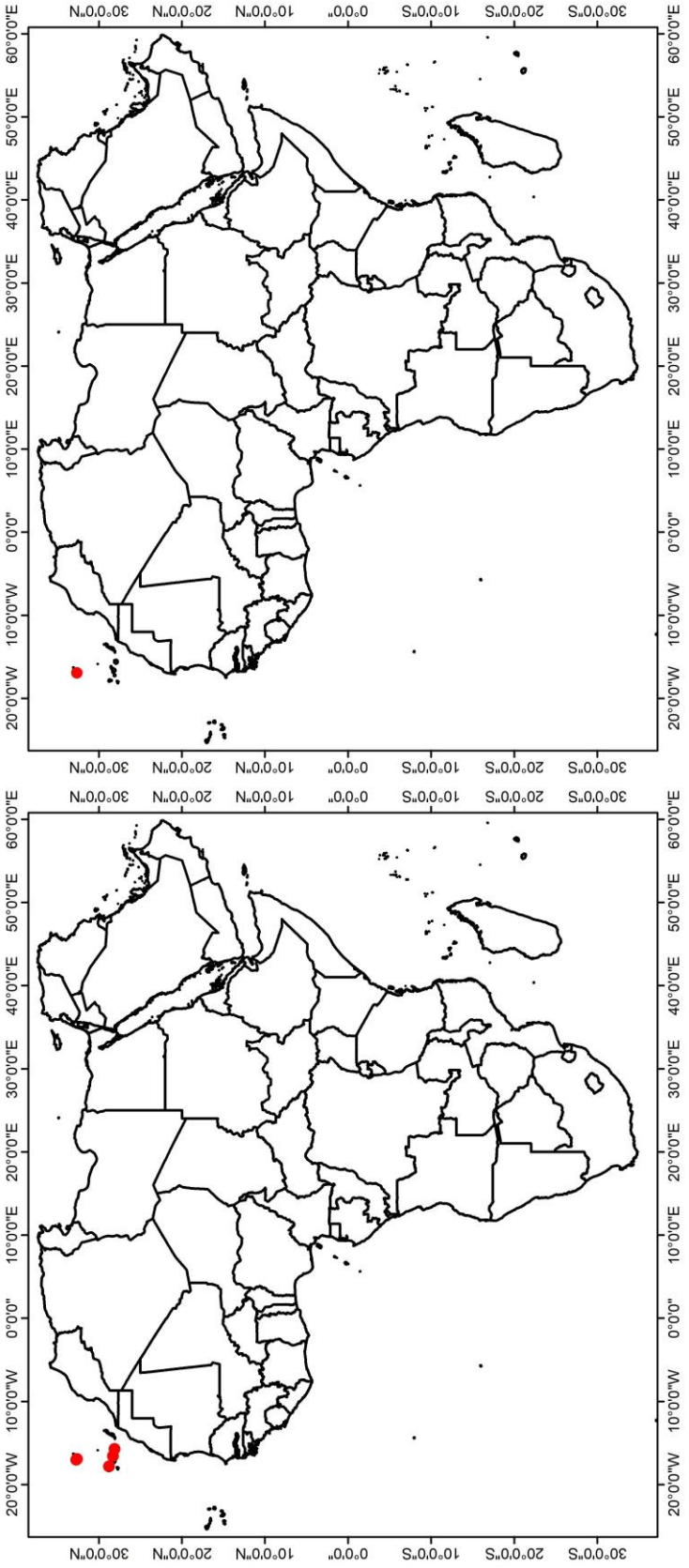

Distribution maps for *Pipistrellus maderensis* (Dobson, 1878)
(left: all voucher specimens; right: voucher specimens collected since 1998).

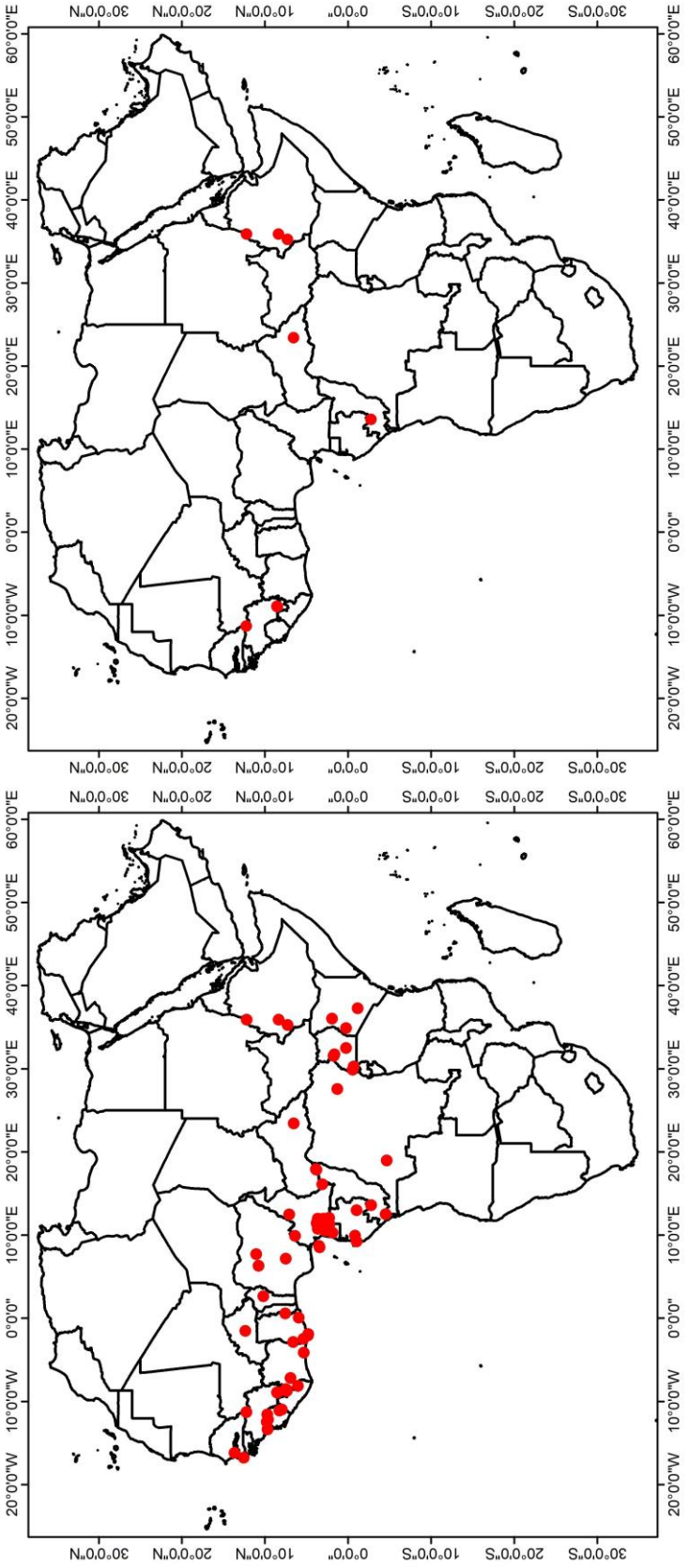

Distribution maps for *Pipistrellus nanulus* Thomas, 1904
(left: all voucher specimens; right: voucher specimens collected since 1998).

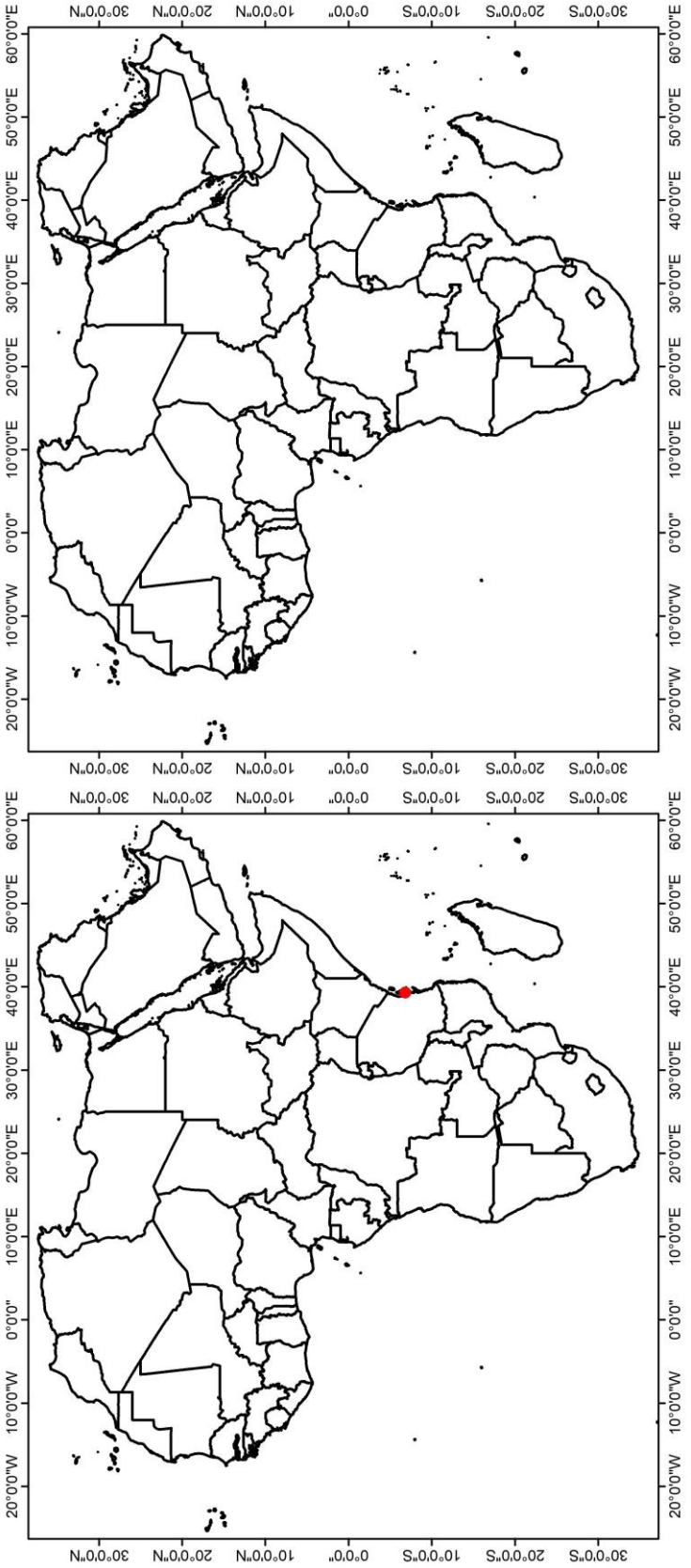

Distribution maps for *Pipistrellus permixtus* Aellen, 1957
(left: all voucher specimens; right: voucher specimens collected since 1998).

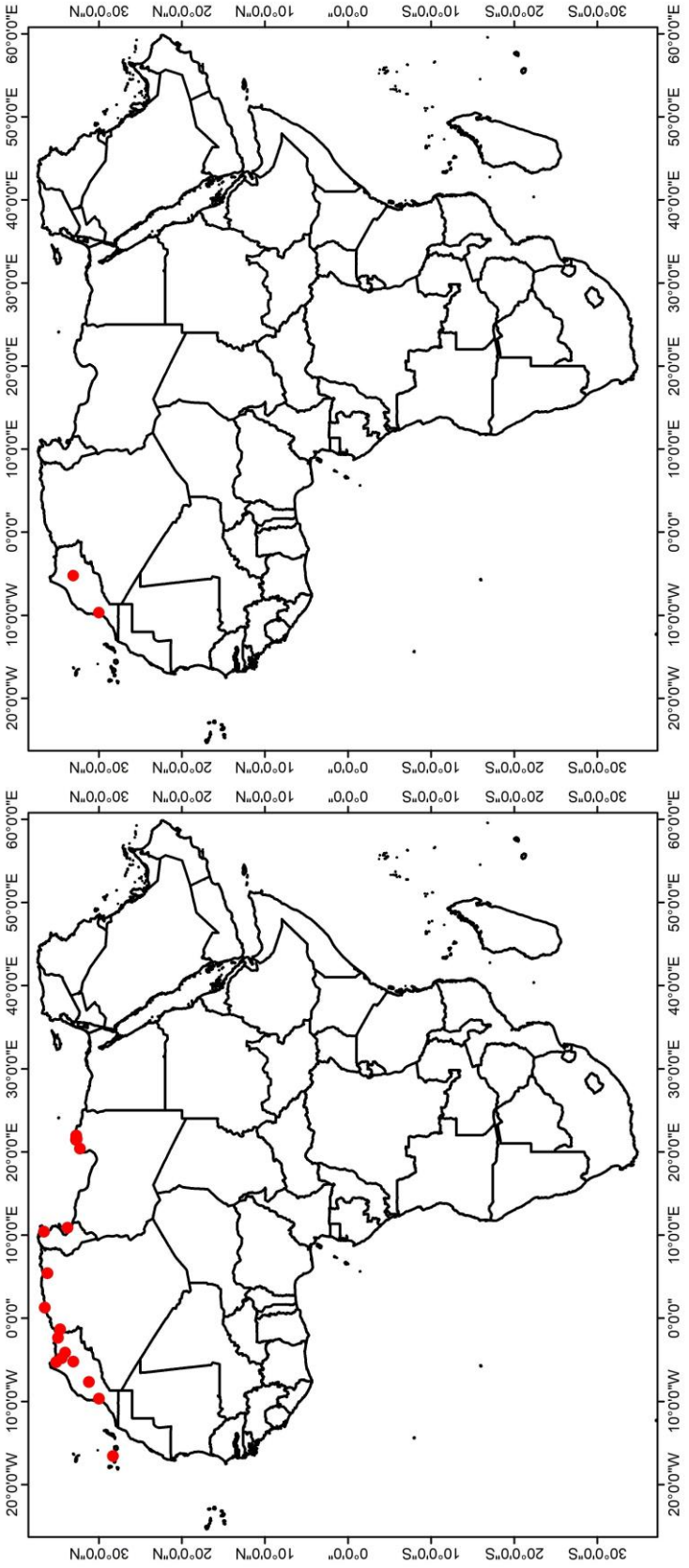

Distribution maps for *Pipistrellus pipistrellus* (Schreber, 1774)
(left: all voucher specimens; right: voucher specimens collected since 1998).

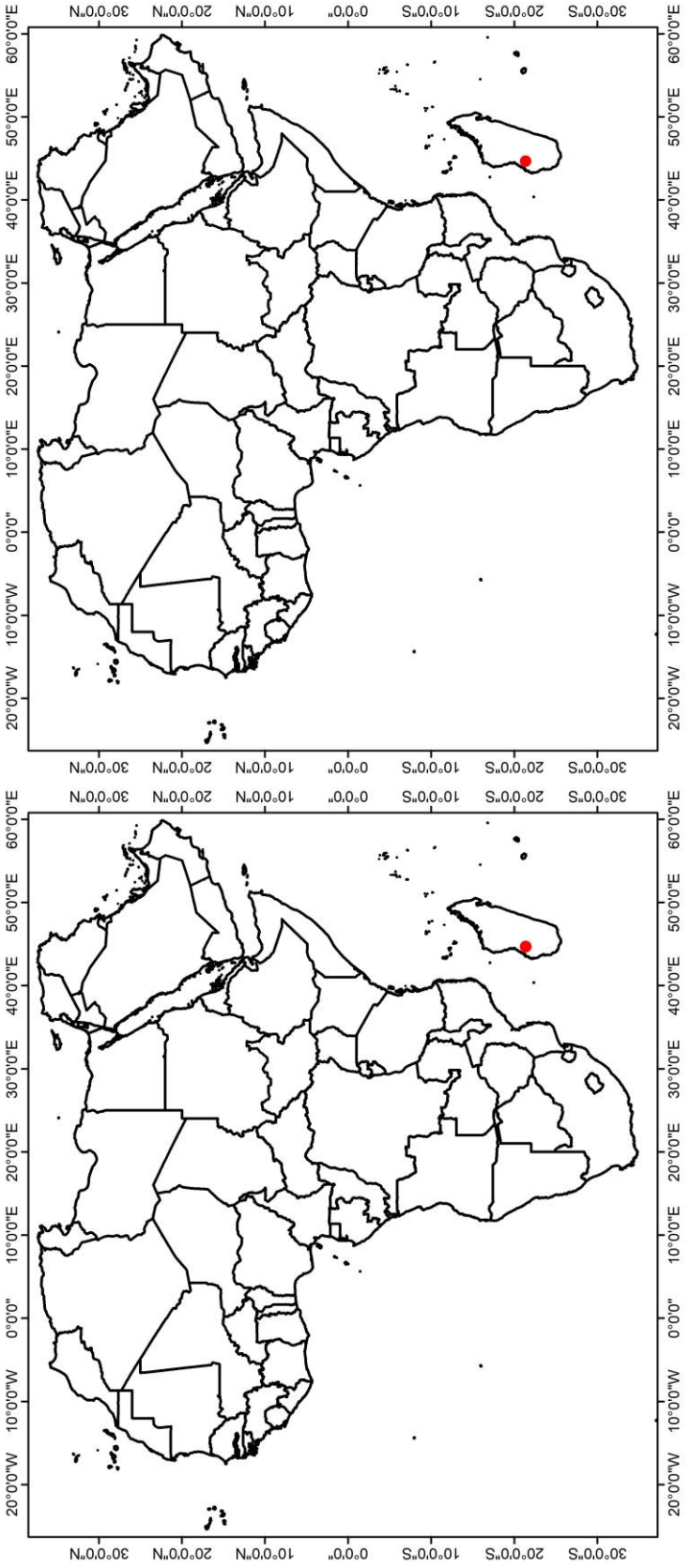

Distribution maps for *Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006 (left: all voucher specimens; right: voucher specimens collected since 1998).

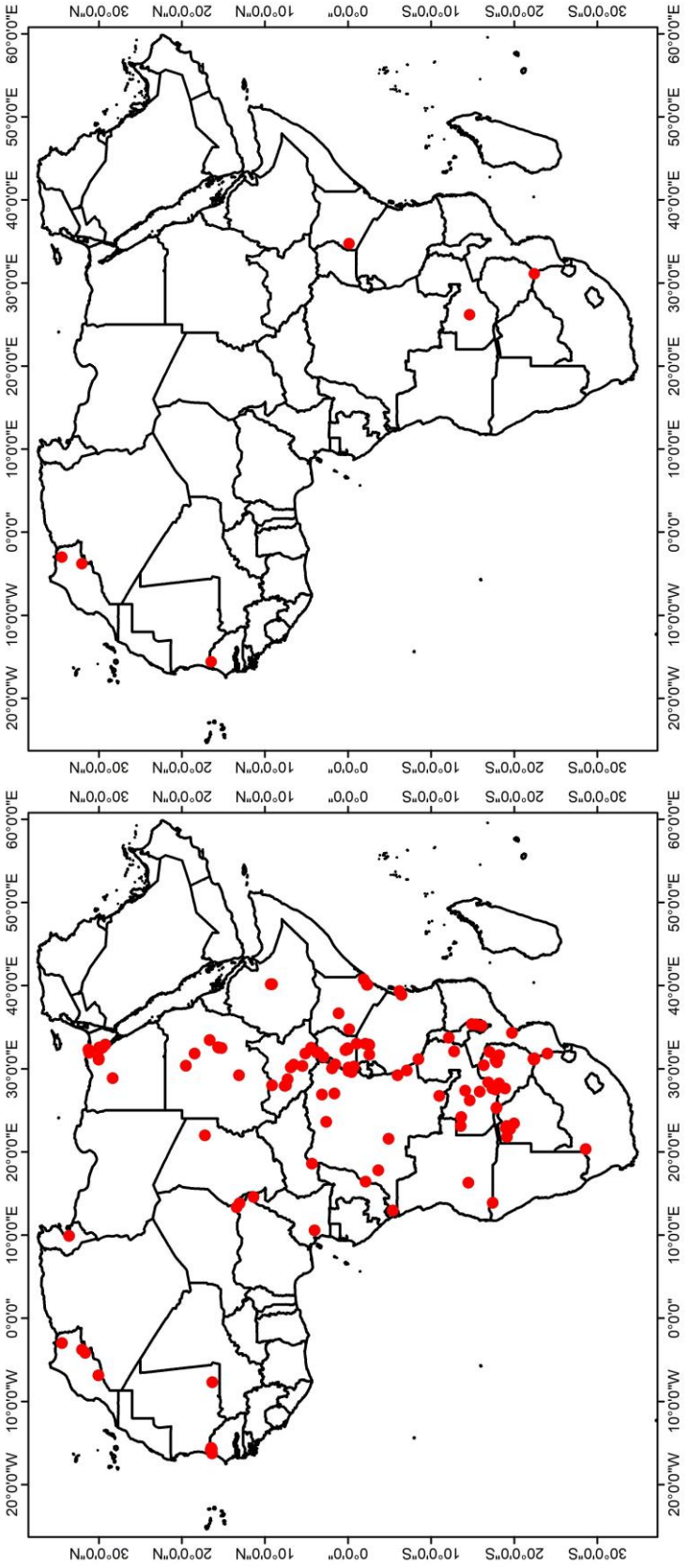

Distribution maps for *Pipistrellus rueppellii* (Fischer, 1829)
(left: all voucher specimens; right: voucher specimens collected since 1998).

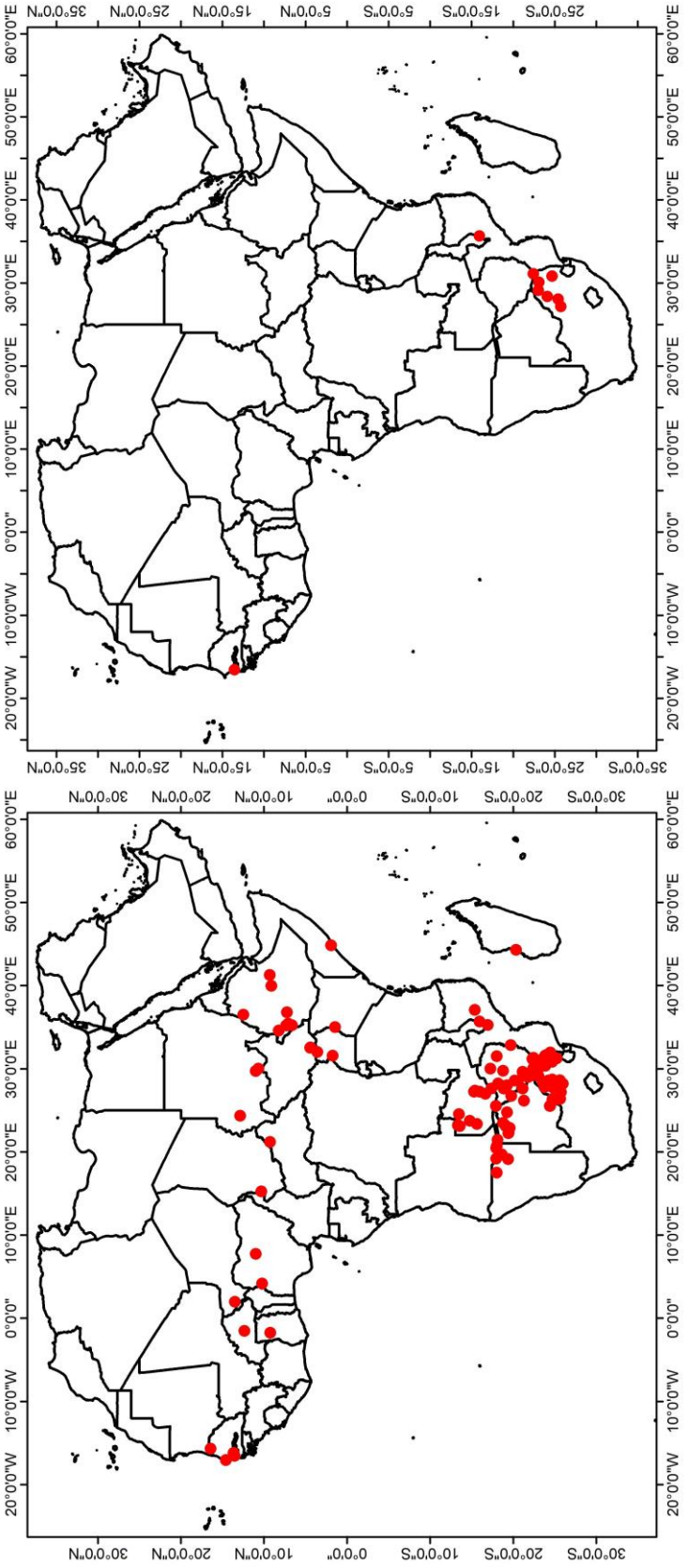

Distribution maps for *Pipistrellus rusticus* (Tomes, 1861)
(left: all voucher specimens; right: voucher specimens collected since 1998).

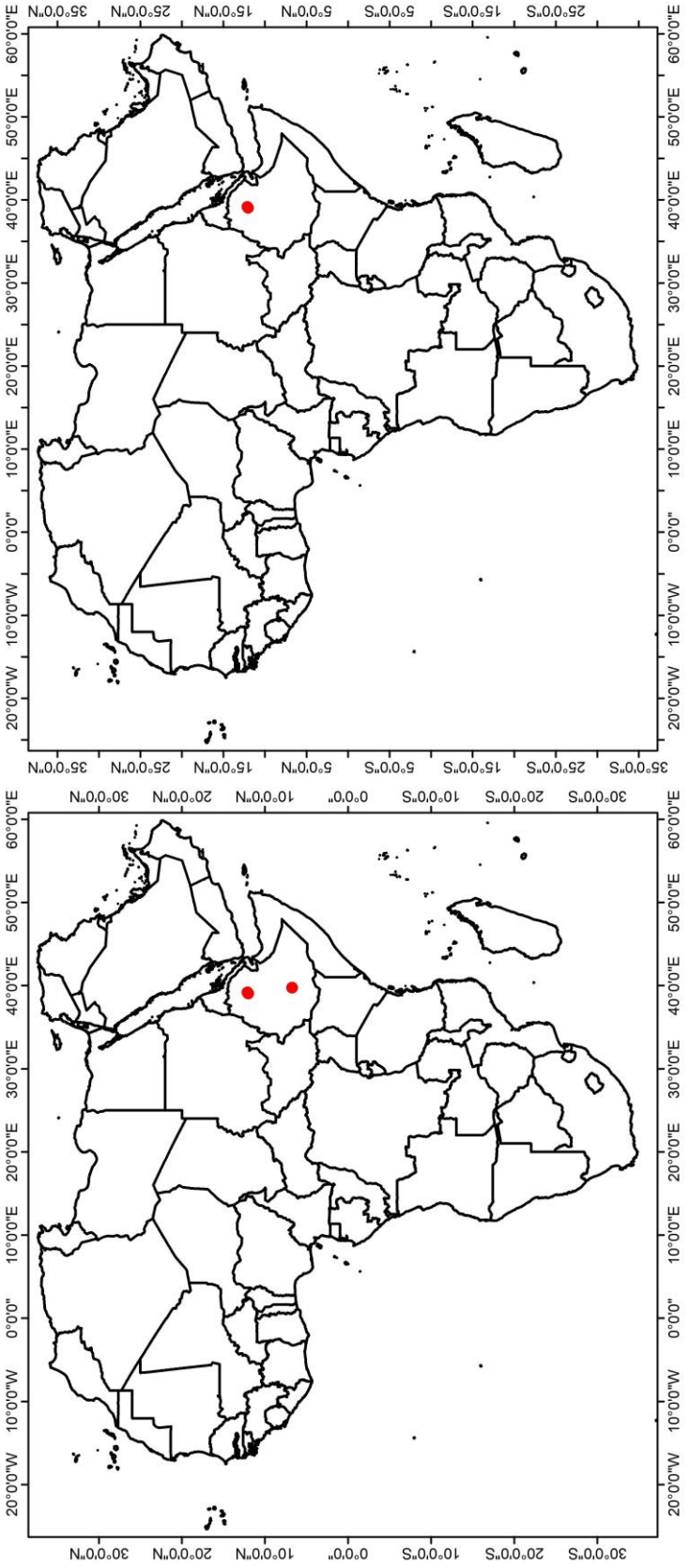

Distribution maps for *Plecotus balensis* Kruskop & Lavrenchenko, 2000
(left: all voucher specimens; right: voucher specimens collected since 1998).

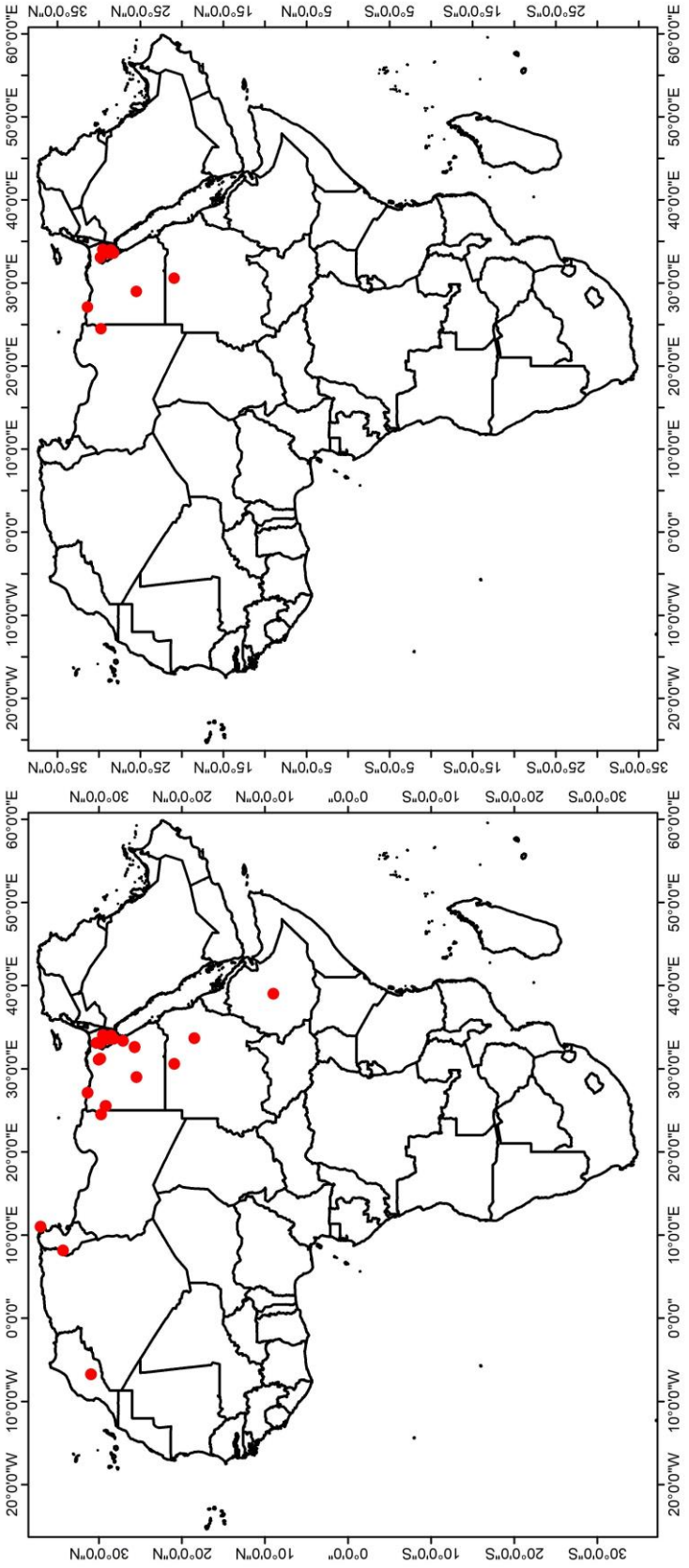

Distribution maps for *Plecotus christii* Gray, 1838
(left: all voucher specimens; right: voucher specimens collected since 1998).

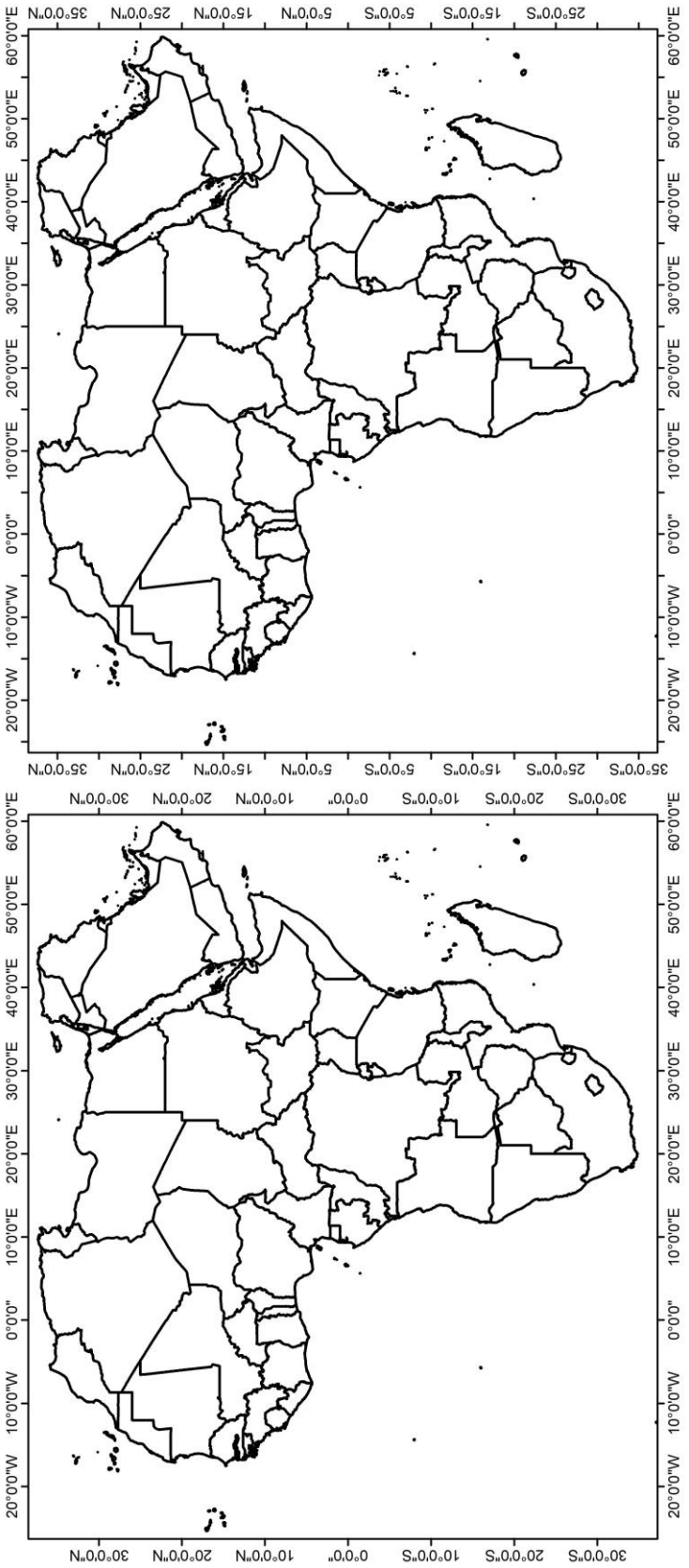

Distribution maps for *Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
(left: all voucher specimens; right: voucher specimens collected since 1998).

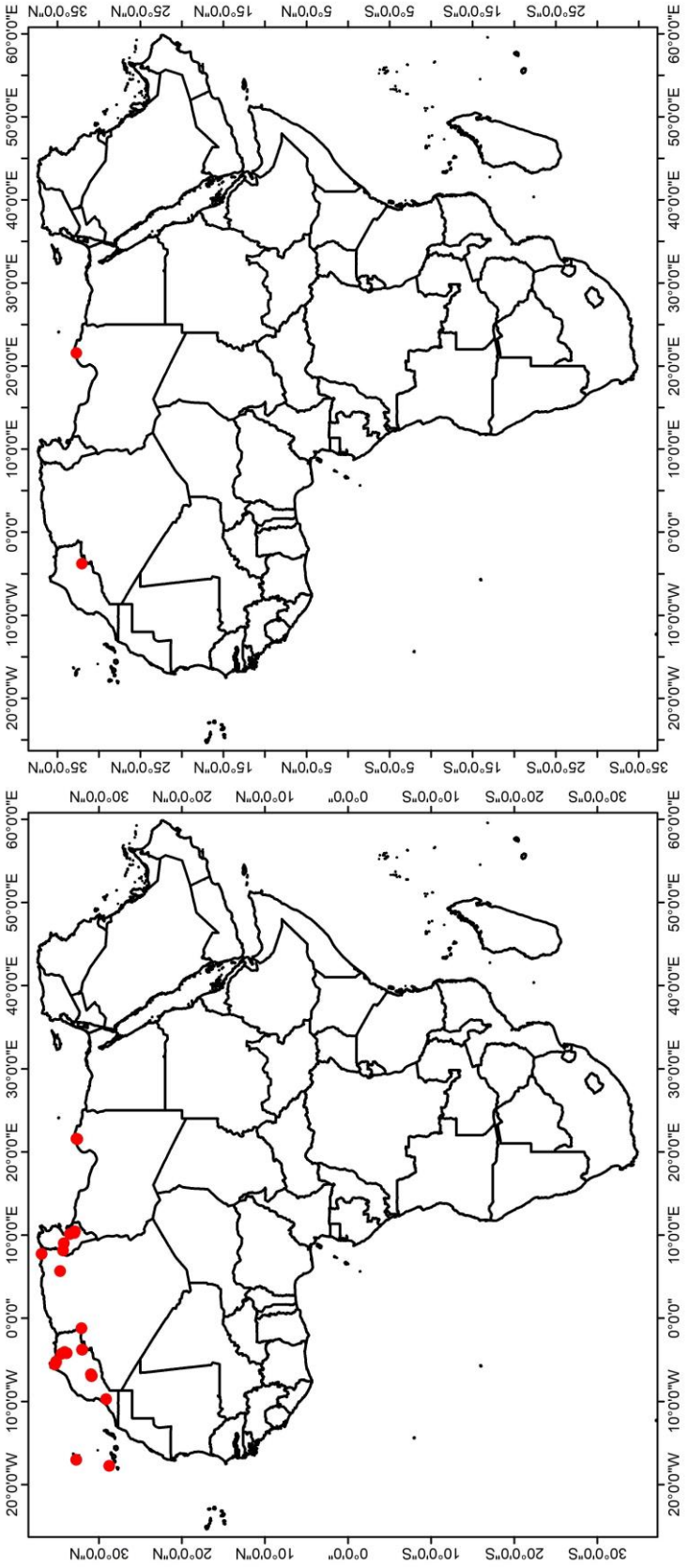

Distribution maps for *Plecotus teneriffae* Barrett-Hamilton, 1907
(left: all voucher specimens; right: voucher specimens collected since 1998).

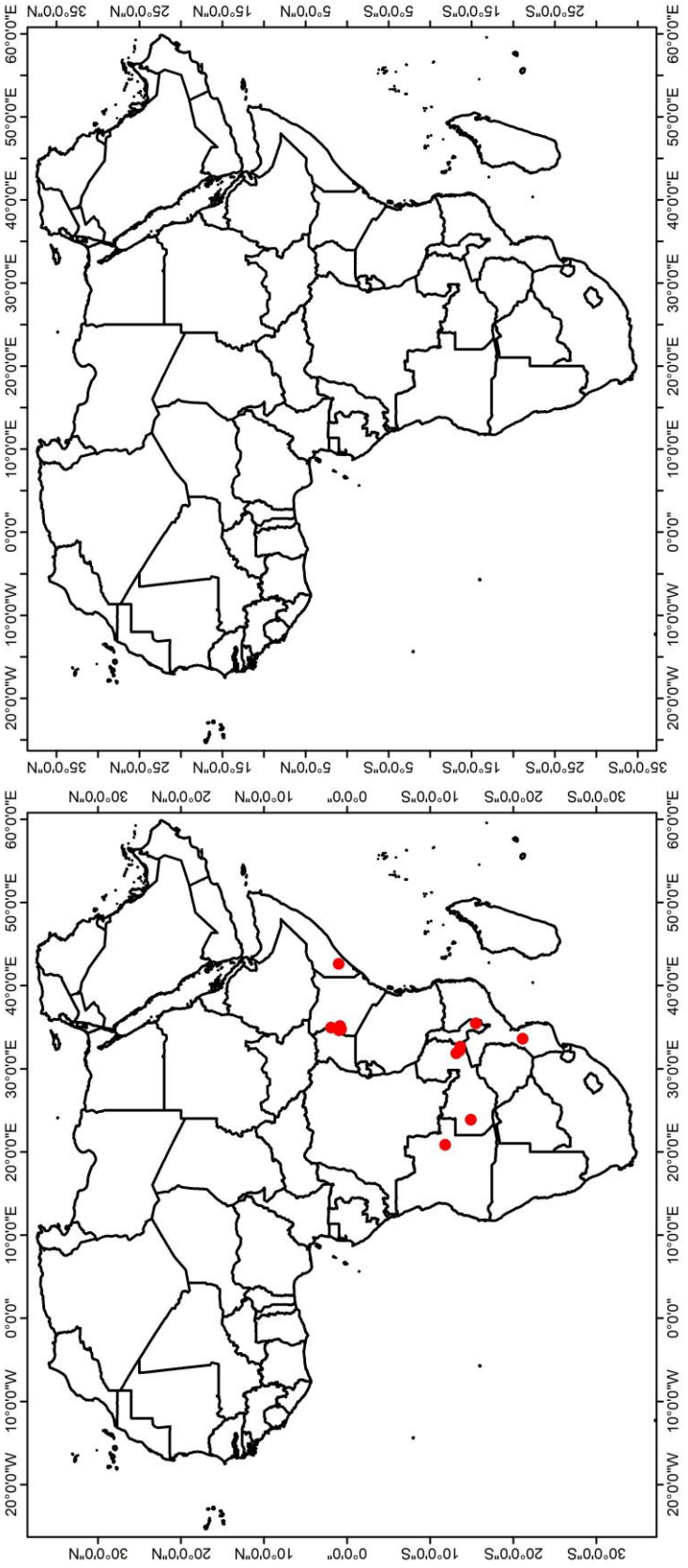

Distribution maps for *Scotoecus albigula* Thomas, 1909
(left: all voucher specimens; right: voucher specimens collected since 1998).

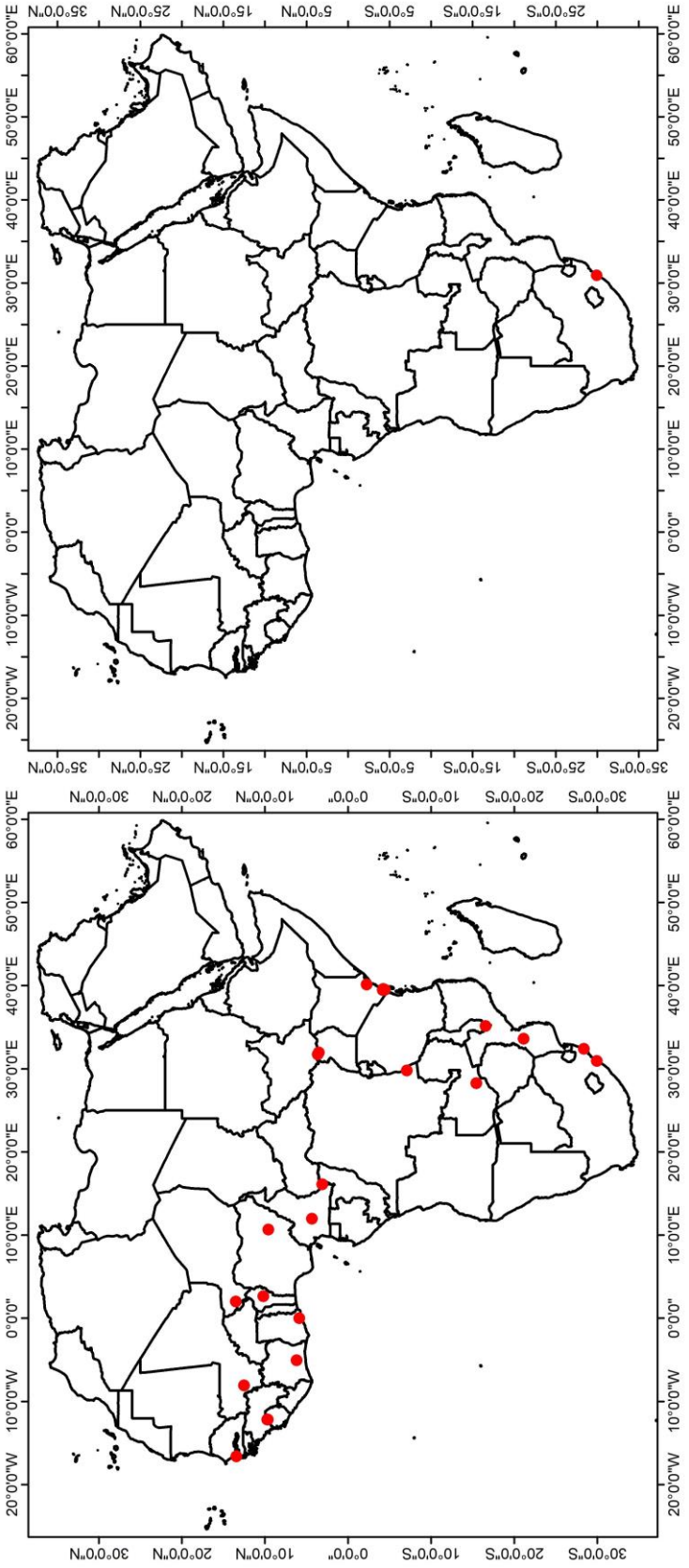

Distribution maps for *Scotoecus albofuscus* (Thomas, 1890)
(left: all voucher specimens; right: voucher specimens collected since 1998).

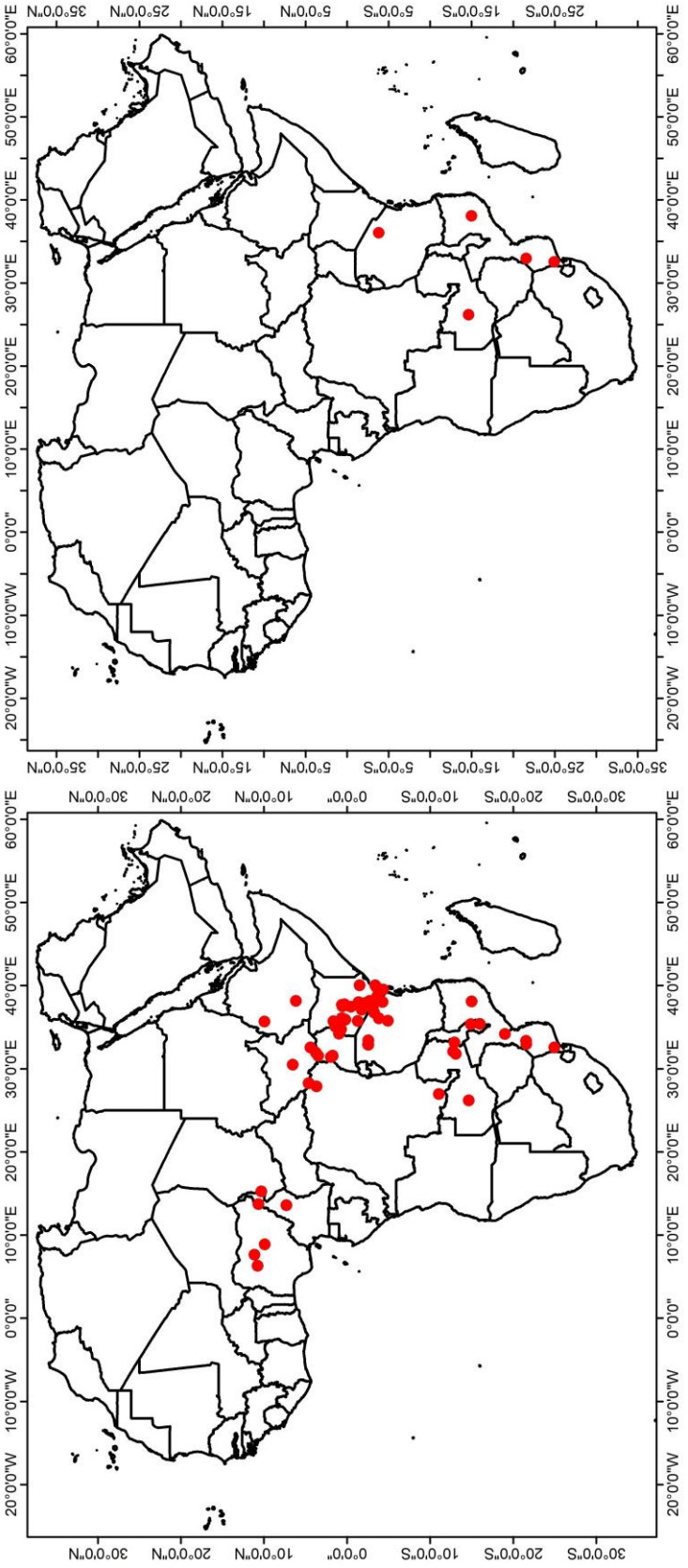

Distribution maps for *Scotoecus hindei* Thomas, 1901
(left: all voucher specimens; right: voucher specimens collected since 1998).

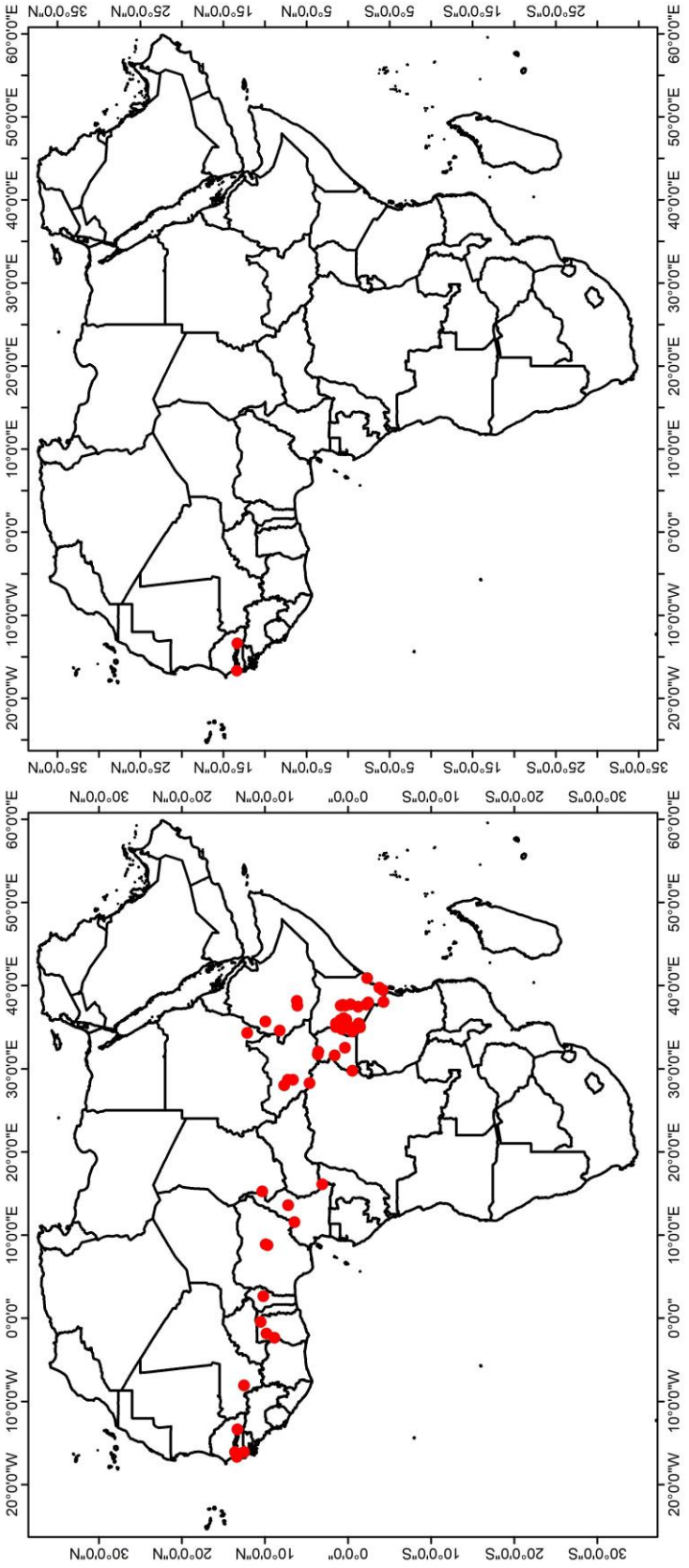

Distribution maps for *Scotoecus hirundo* (de Winton, 1899)
(left: all voucher specimens; right: voucher specimens collected since 1998).

Appendix 2h: Species Richness Maps per Country

Species richness has been calculated for each country at a quarter degree gird size.

Key to country species richness (number of species recorded in a quarter degree grid):

Lime green: 1 – 3 species
Green: 4 – 15 species
Yellow: 16 – 35 species
Orange: 36 – 47 species
Red: 48 – 56 species

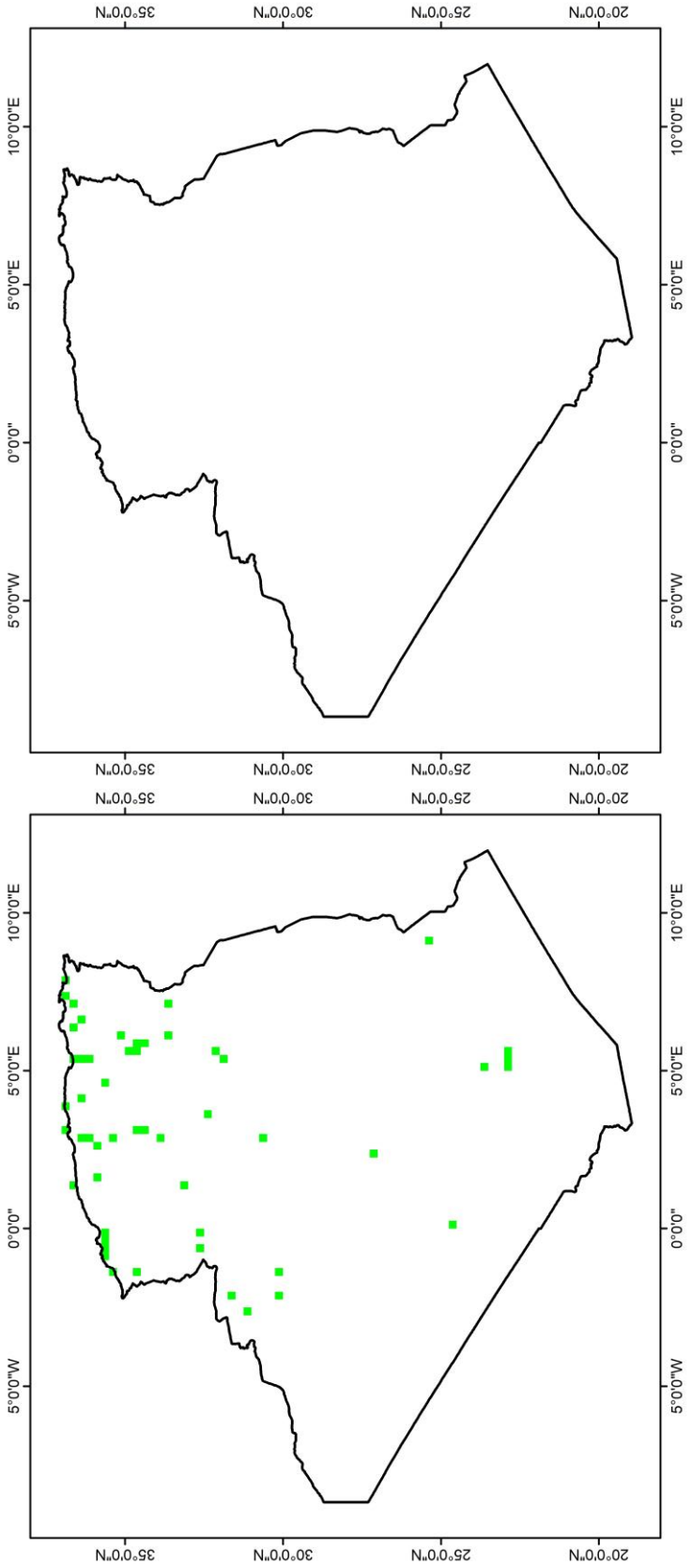

Species Richness maps for Algeria
(left: all voucher specimens; right: voucher specimens collected since 1998).

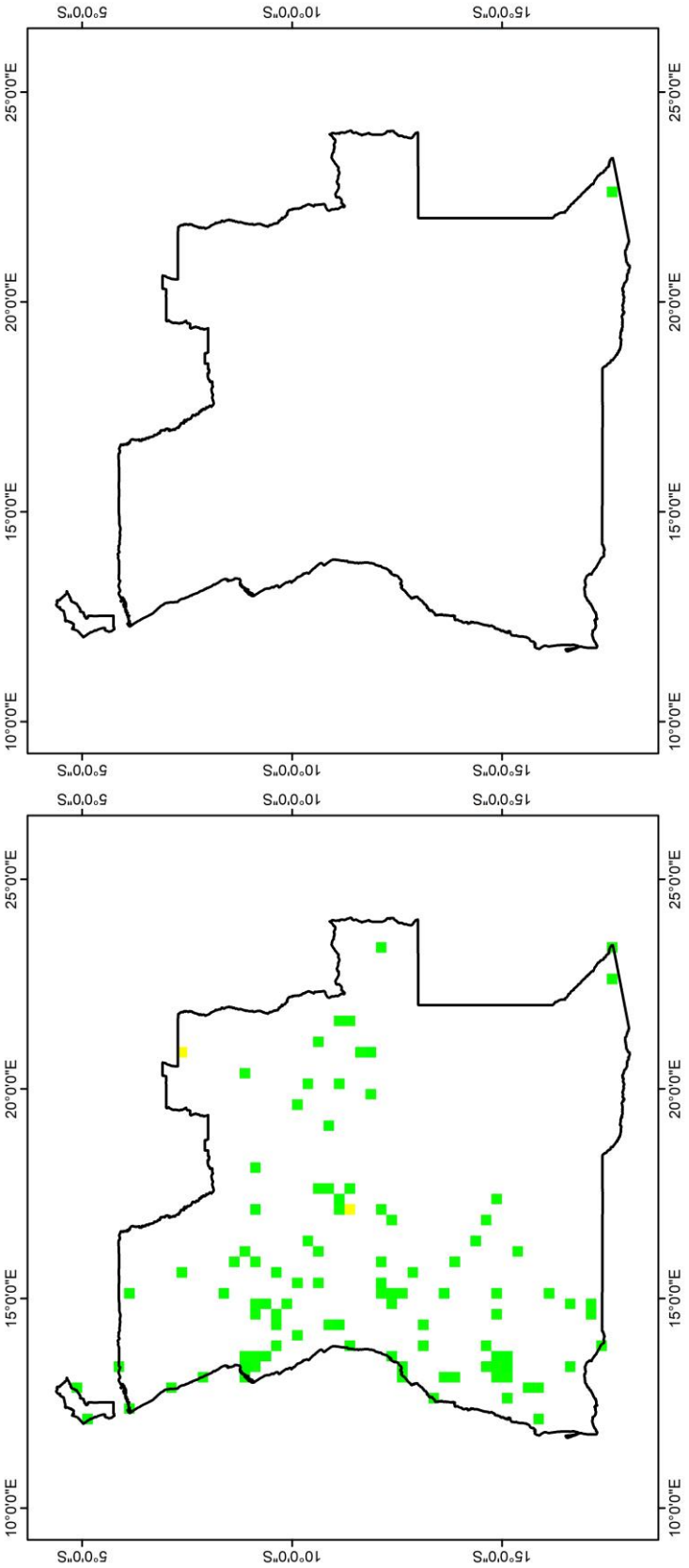

Species Richness maps for Angola
(left: all voucher specimens; right: voucher specimens collected since 1998).

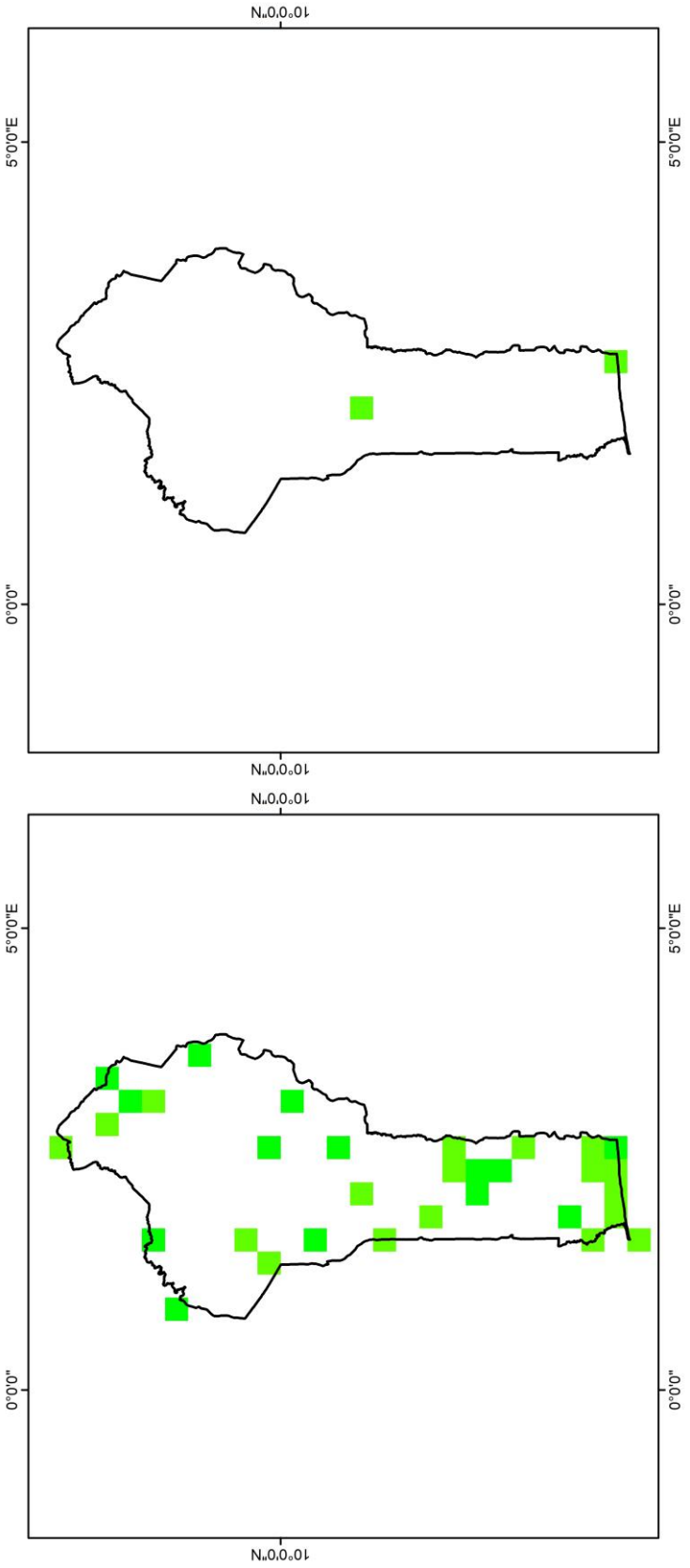

Species Richness maps for Benin
(left: all voucher specimens; right: voucher specimens collected since 1998).

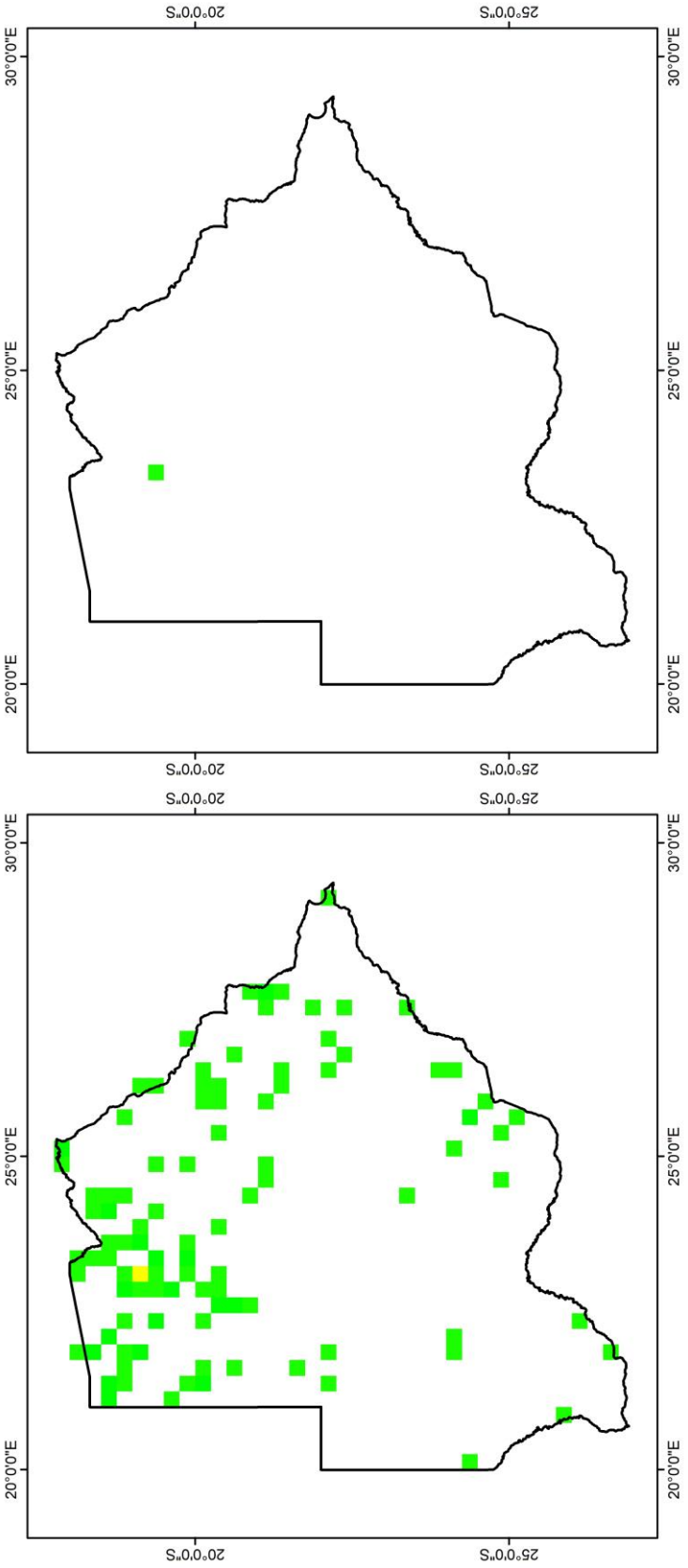

Species Richness maps for Botswana
(left: all voucher specimens; right: voucher specimens collected since 1998).

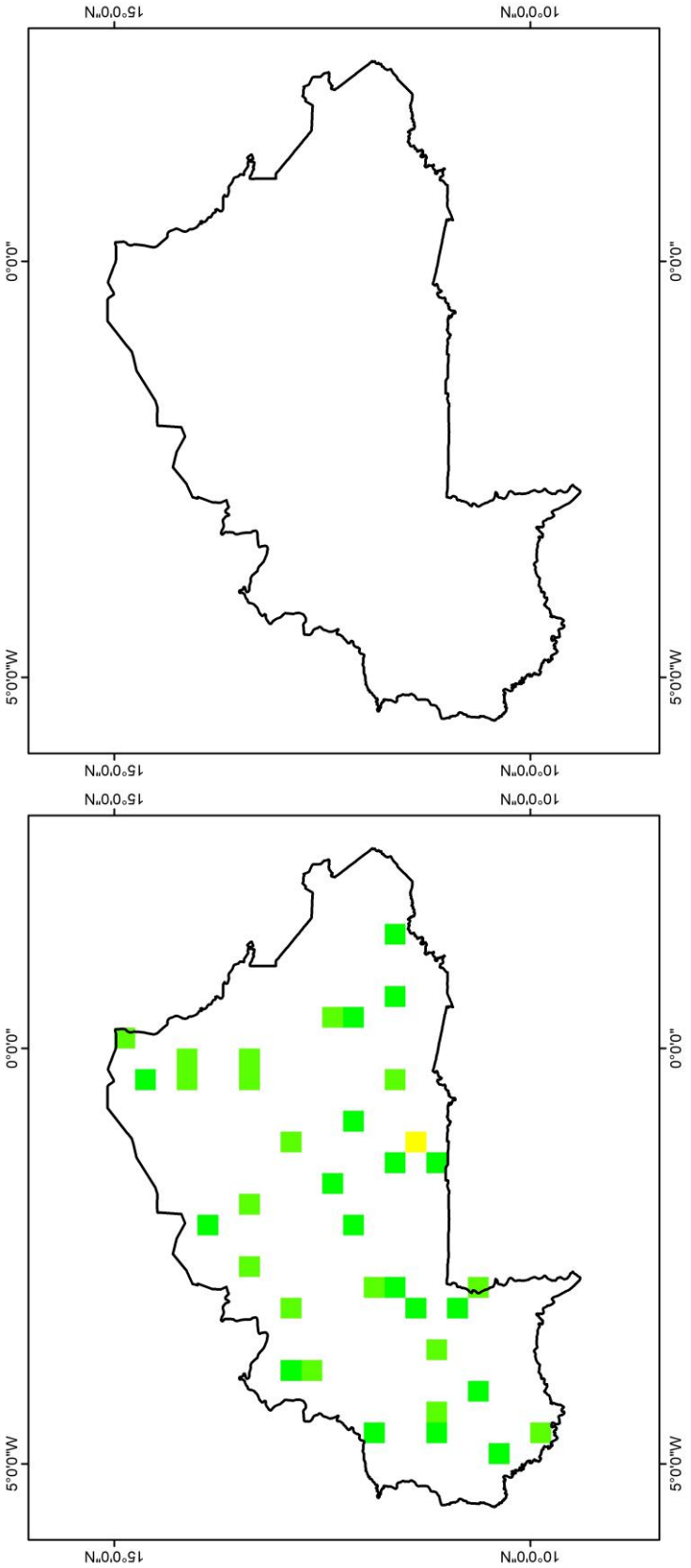

Species Richness maps for Burkina Faso
(left: all voucher specimens; right: voucher specimens collected since 1998).

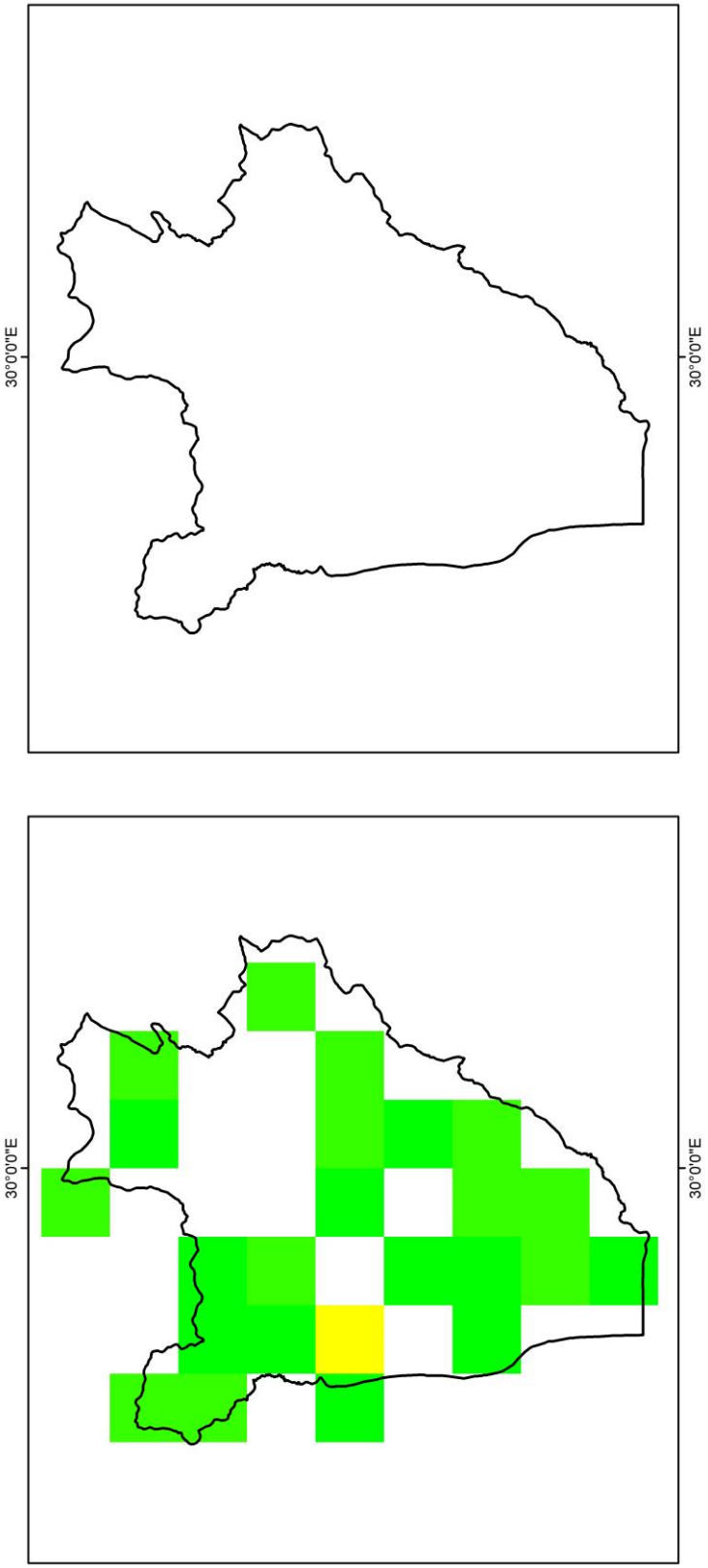

Species Richness maps for Burundi
(left: all voucher specimens; right: voucher specimens collected since 1998).

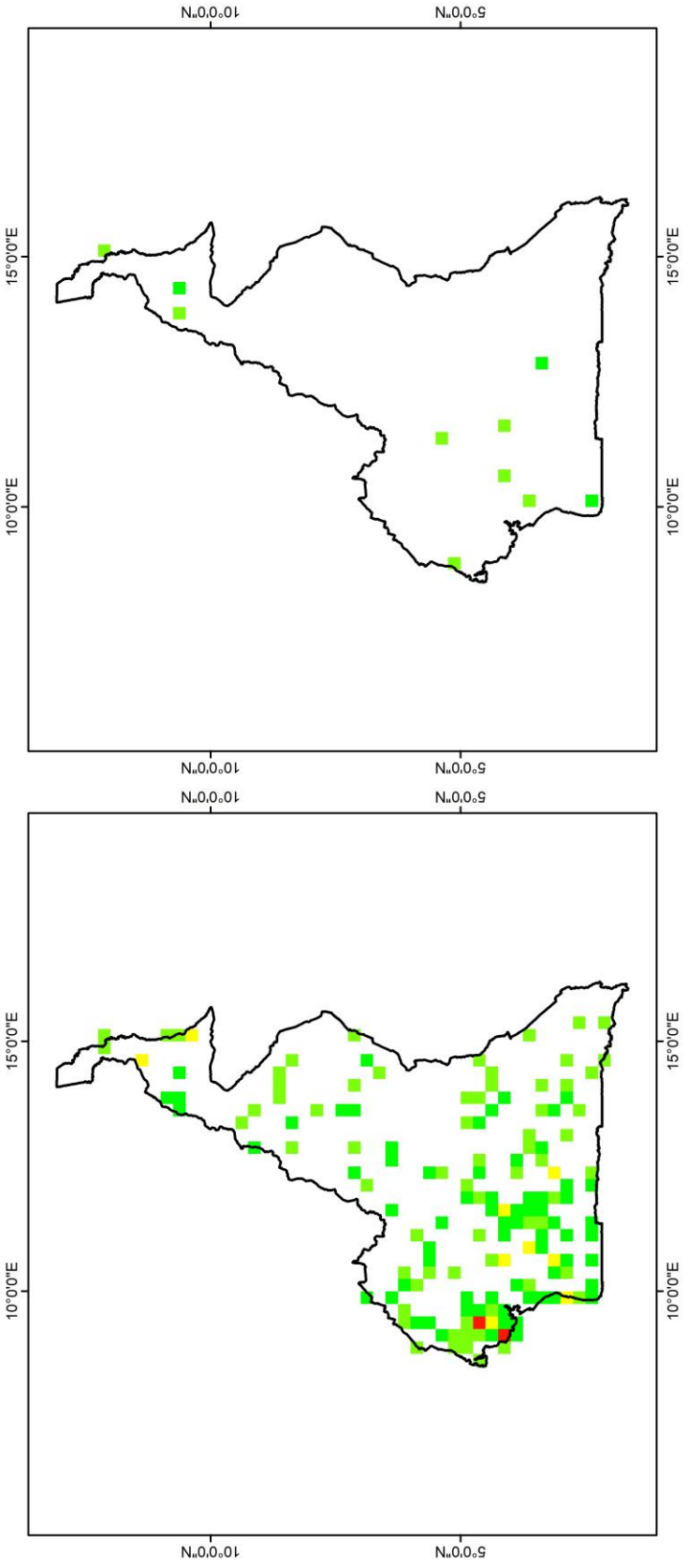

Species Richness maps for Cameroon
(left: all voucher specimens; right: voucher specimens collected since 1998).

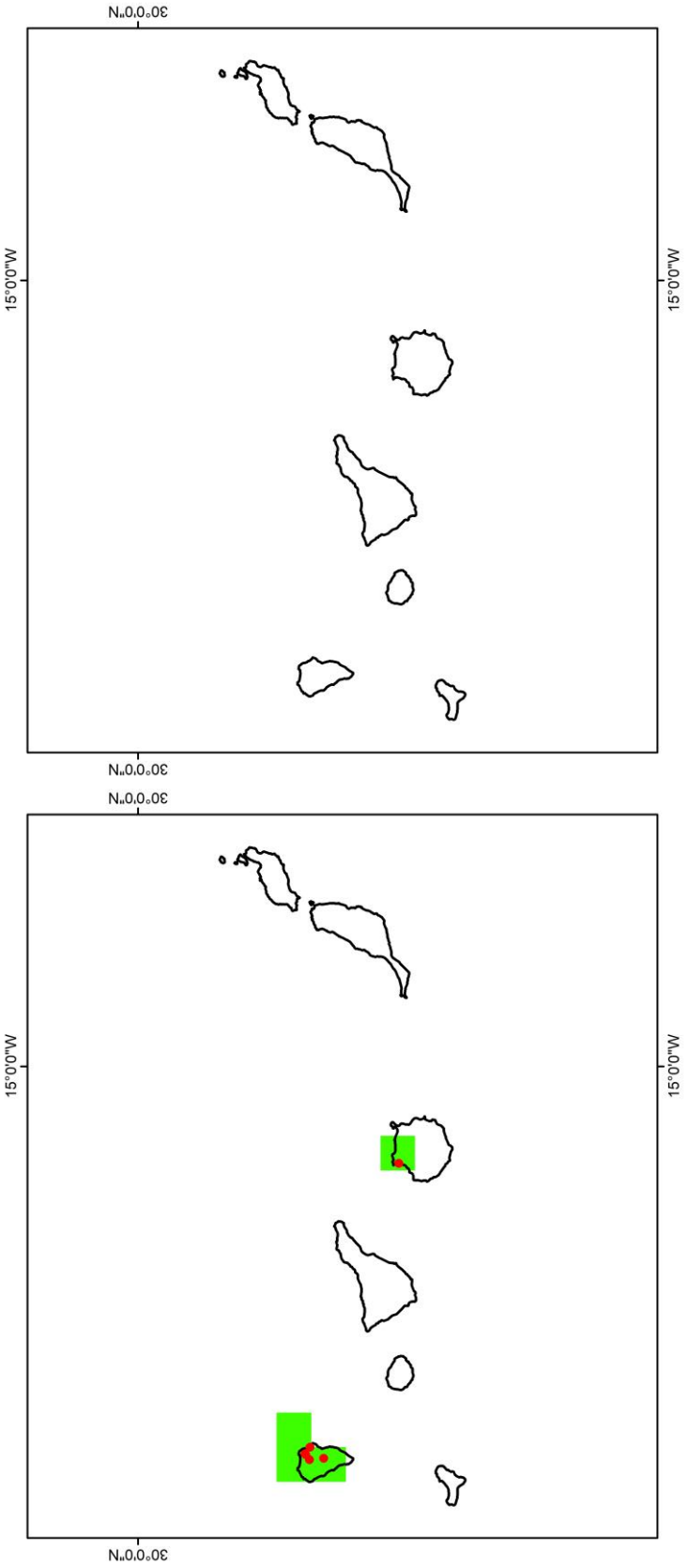

Species Richness maps for Canary Islands (Spain)
(left: all voucher specimens; right: voucher specimens collected since 1998).

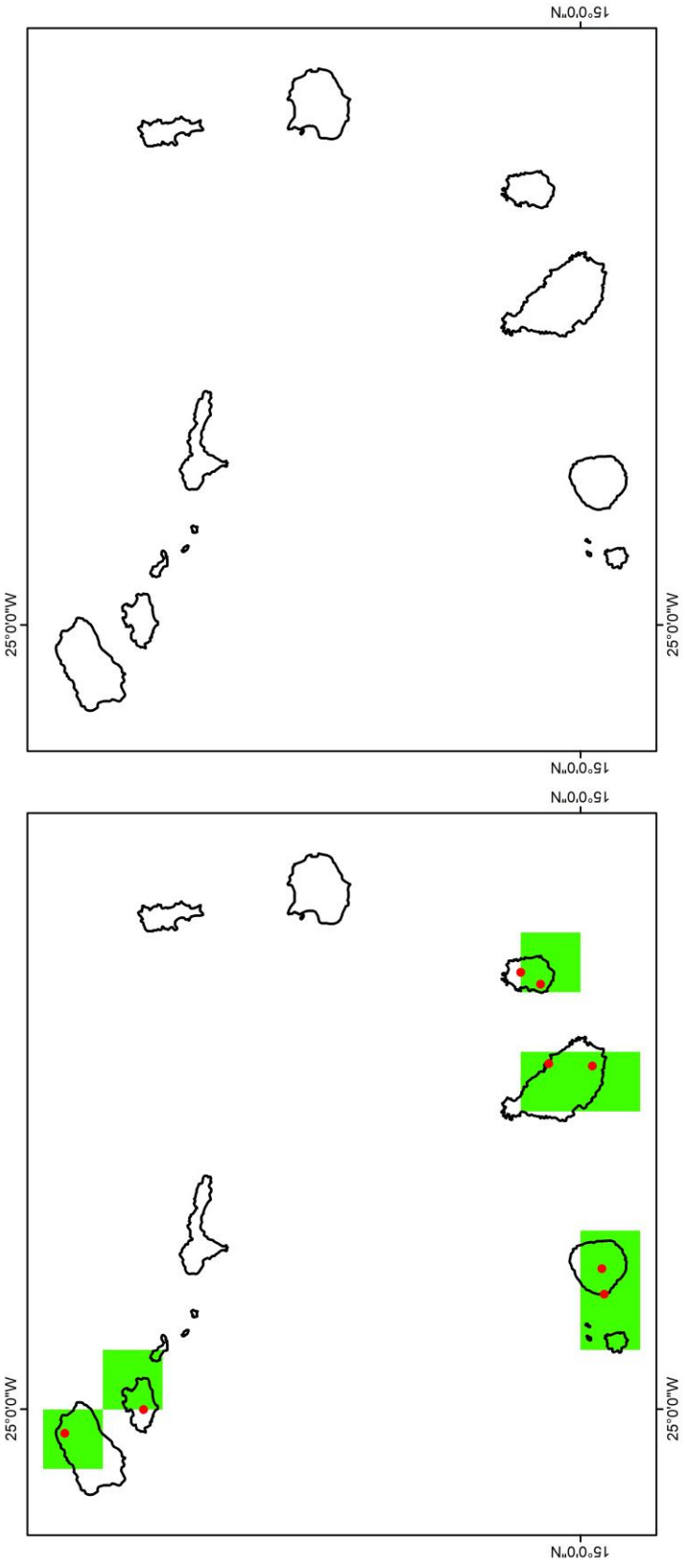

Species Richness maps for Cape Verde
(left: all voucher specimens; right: voucher specimens collected since 1998).

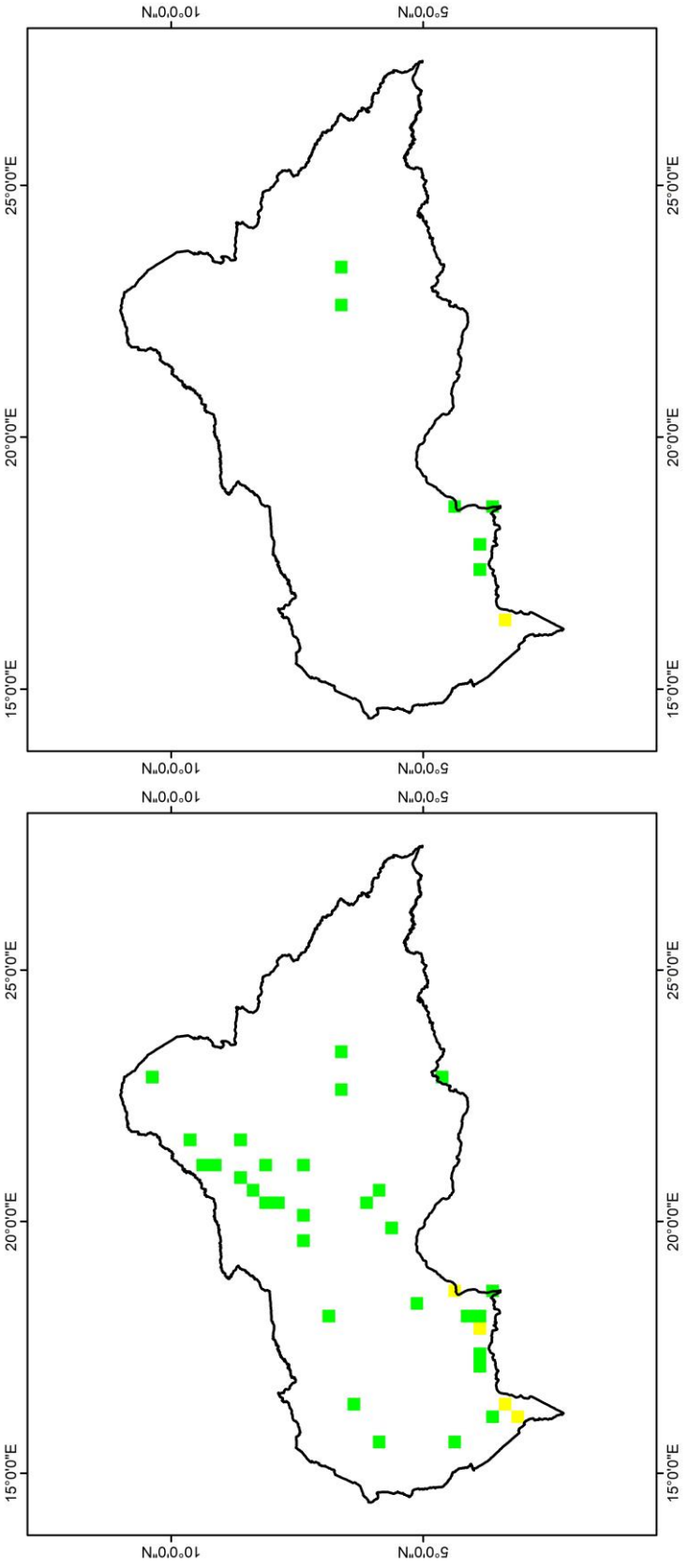

Species Richness maps for Central African Republic
(left: all voucher specimens; right: voucher specimens collected since 1998).

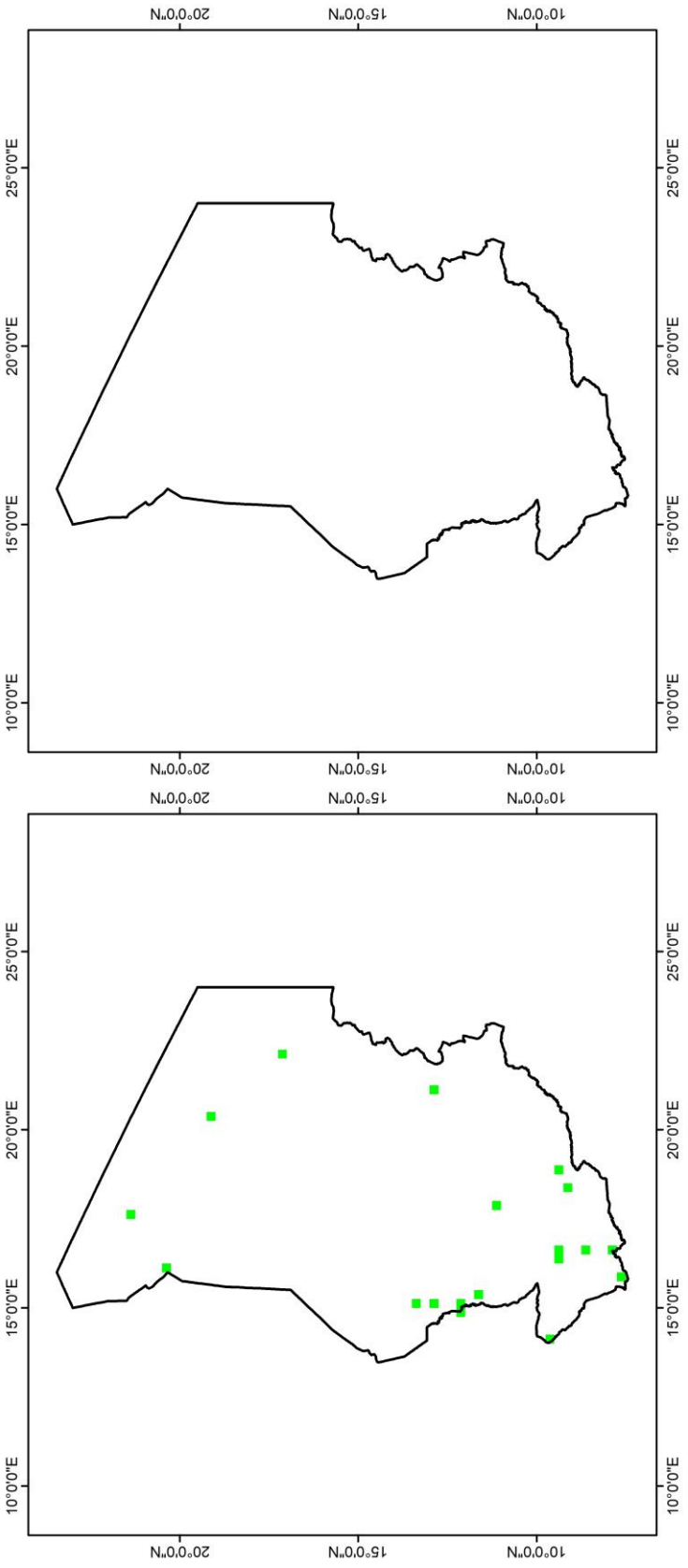

Species Richness maps for Chad
(left: all voucher specimens; right: voucher specimens collected since 1998).

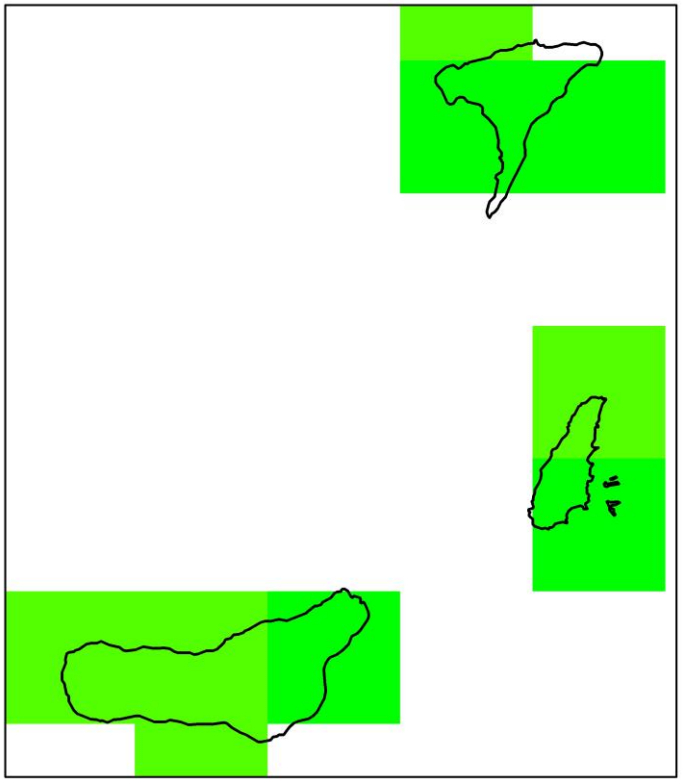

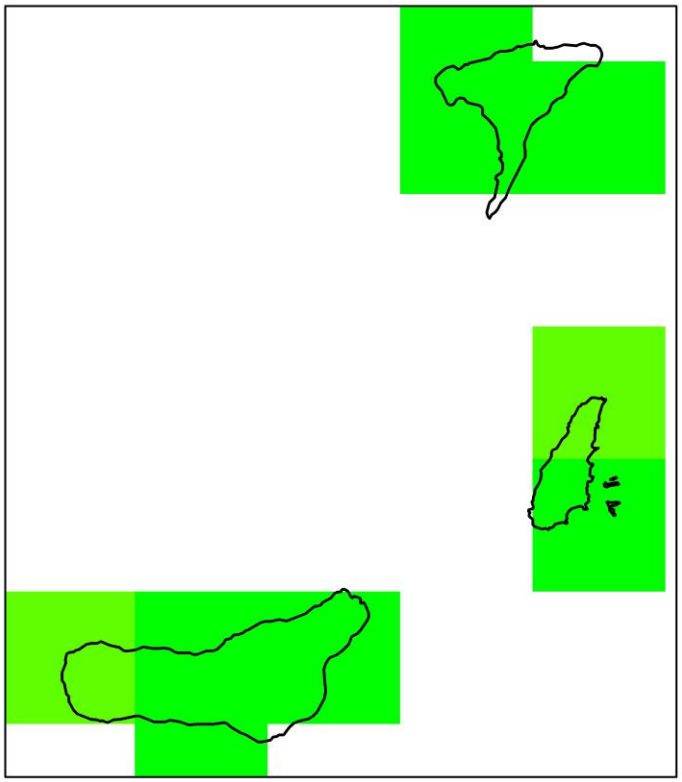

Species Richness maps for Comoros
(left: all voucher specimens; right: voucher specimens collected since 1998).

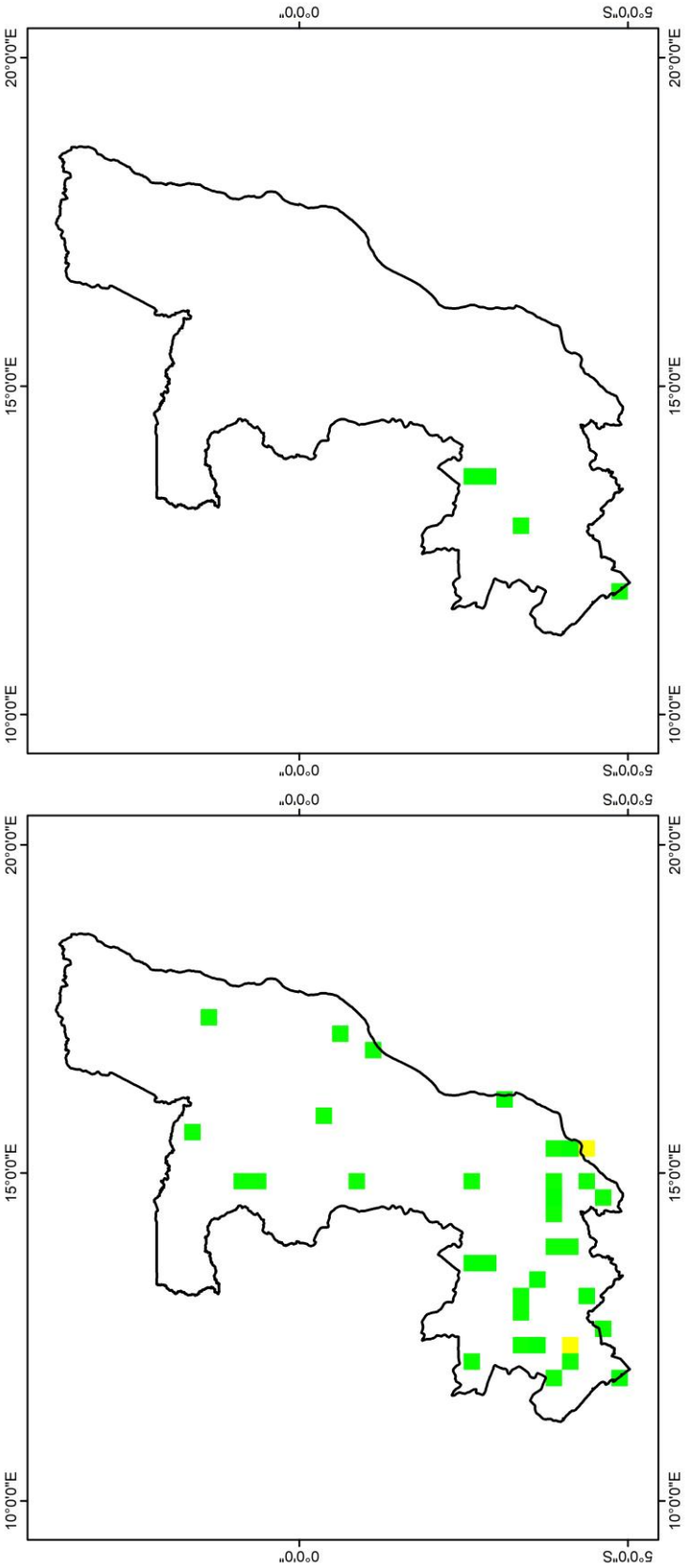

Species Richness maps for Congo
(left: all voucher specimens; right: voucher specimens collected since 1998).

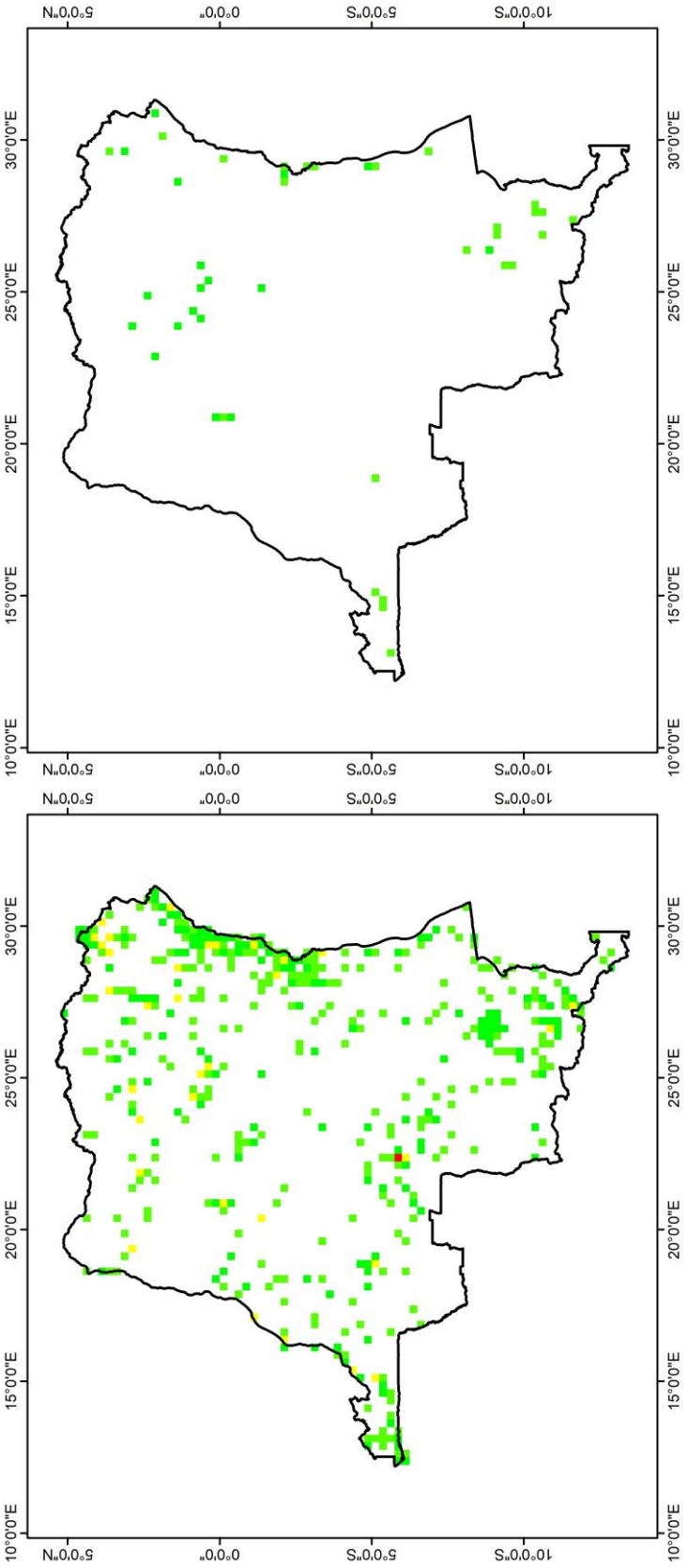

Species Richness maps for Congo (Democratic Republic of the)
(left: all voucher specimens; right: voucher specimens collected since 1998).

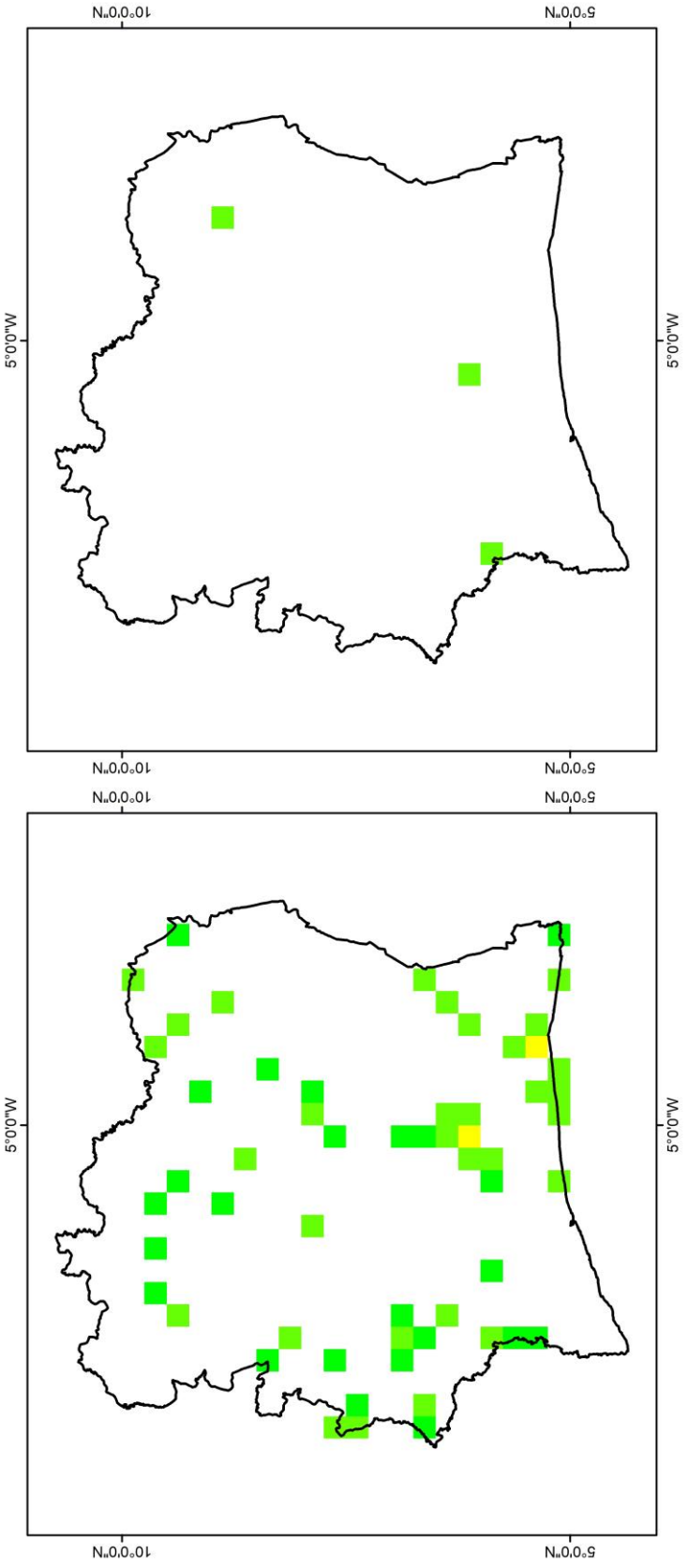

Species Richness maps for Côte d'Ivoire
(left: all voucher specimens; right: voucher specimens collected since 1998).

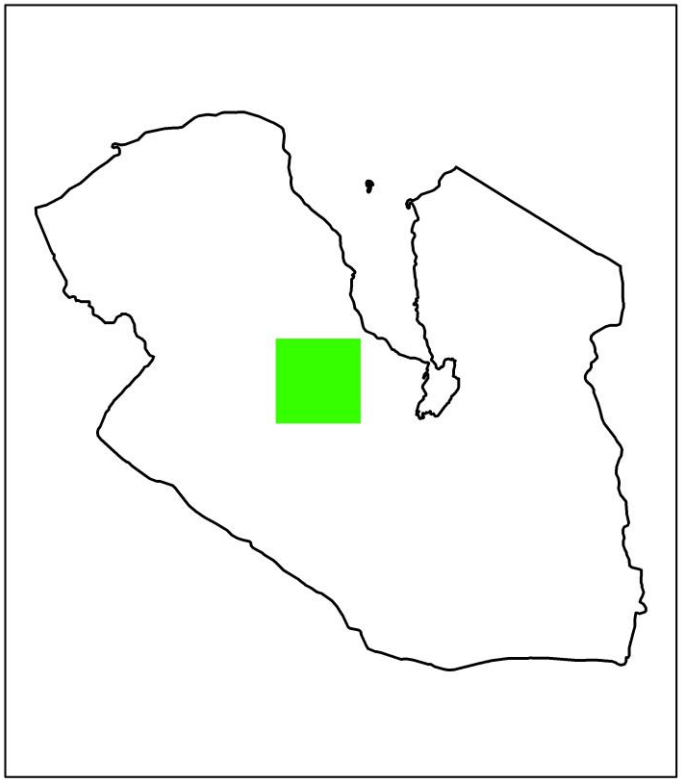

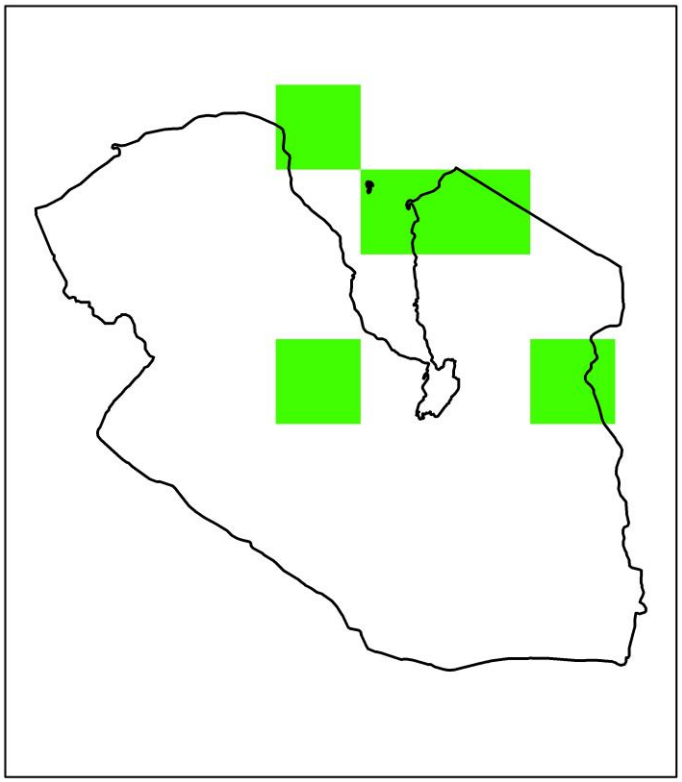

Species Richness maps for Djibouti
(left: all voucher specimens; right: voucher specimens collected since 1998).

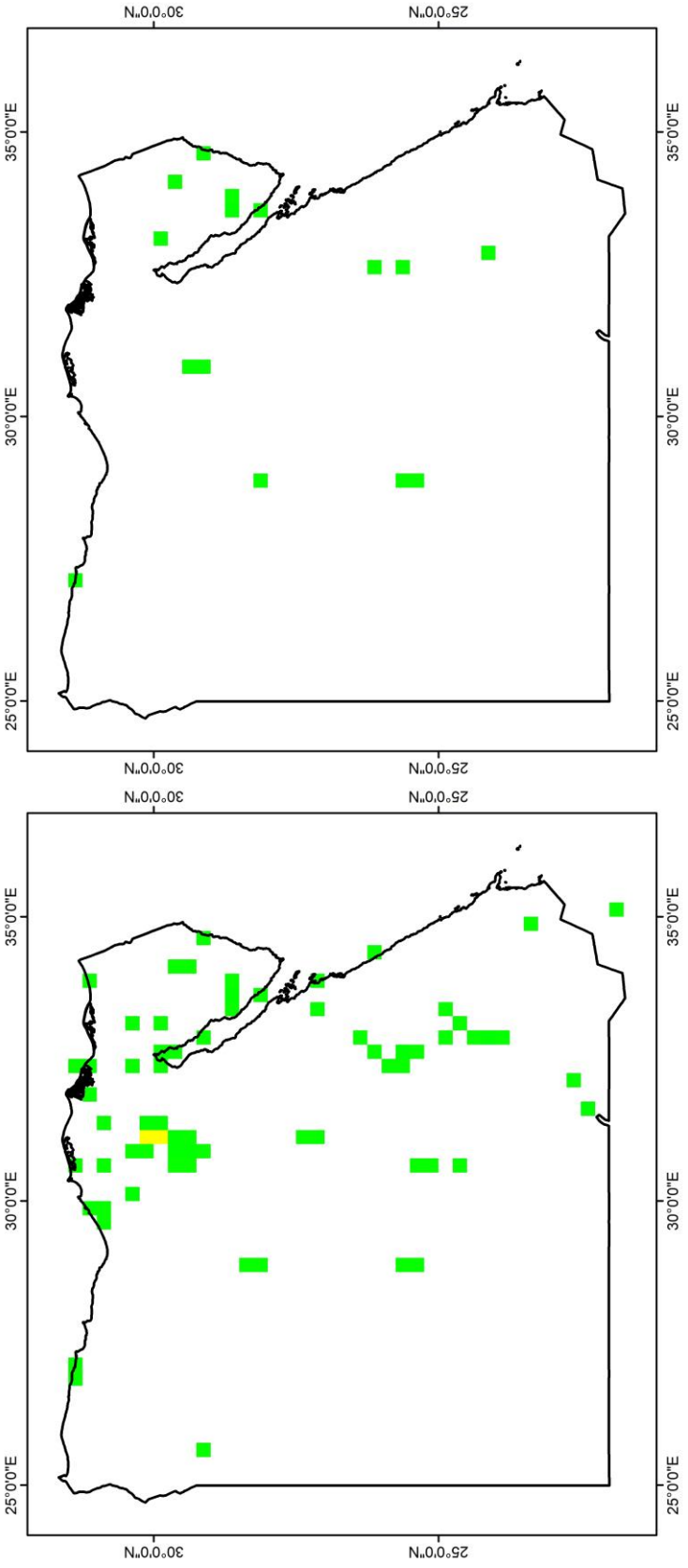

Species Richness maps for Egypt
(left: all voucher specimens; right: voucher specimens collected since 1998).

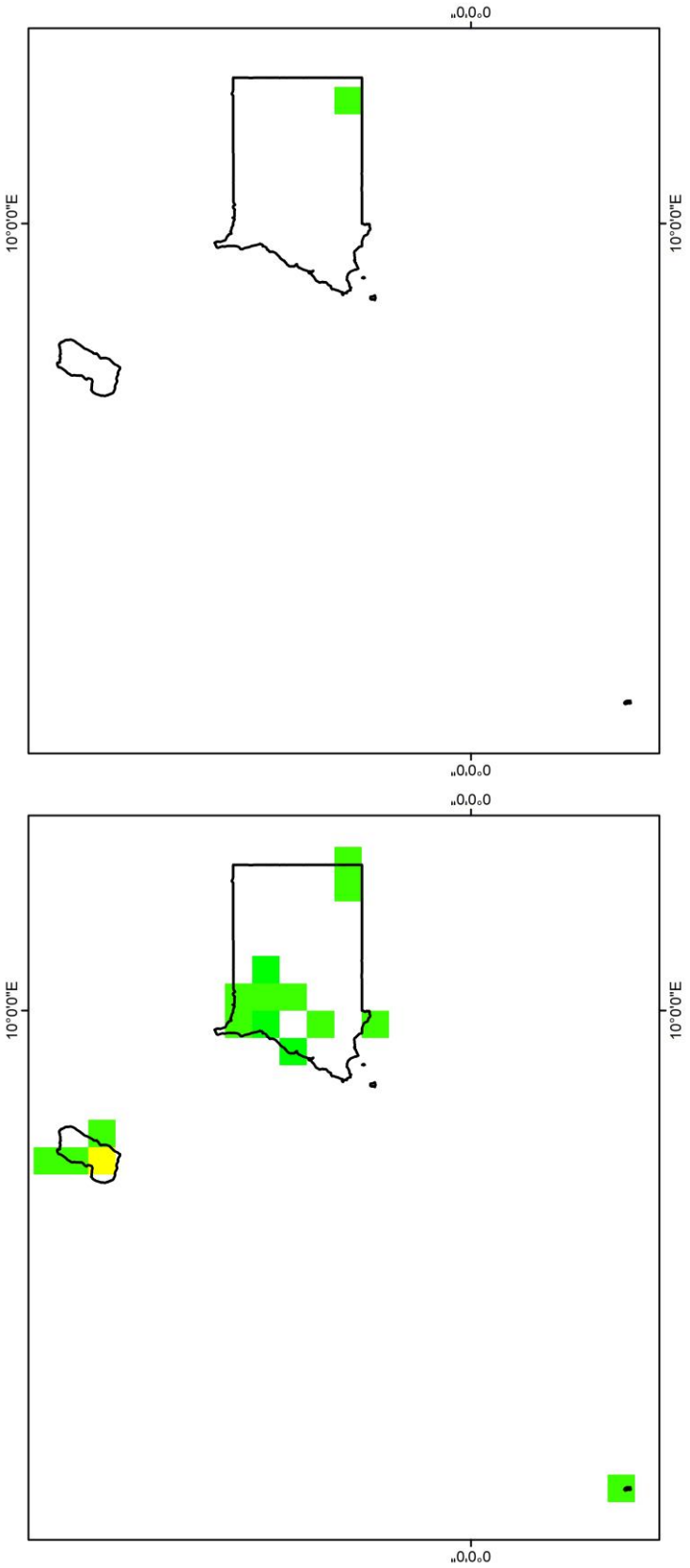

Species Richness maps for Equatorial Guinea
(left: all voucher specimens; right: voucher specimens collected since 1998).

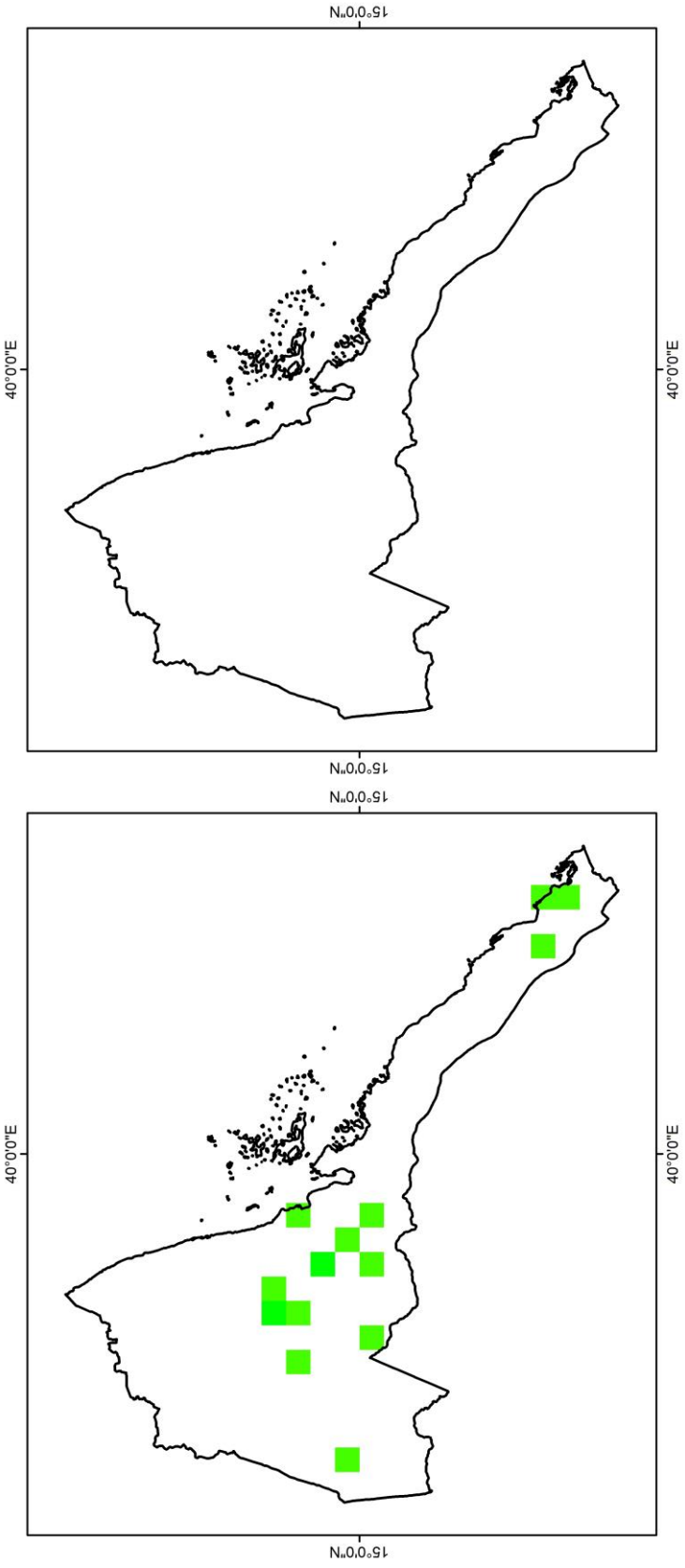

Species Richness maps for Eritrea
(left: all voucher specimens; right: voucher specimens collected since 1998).

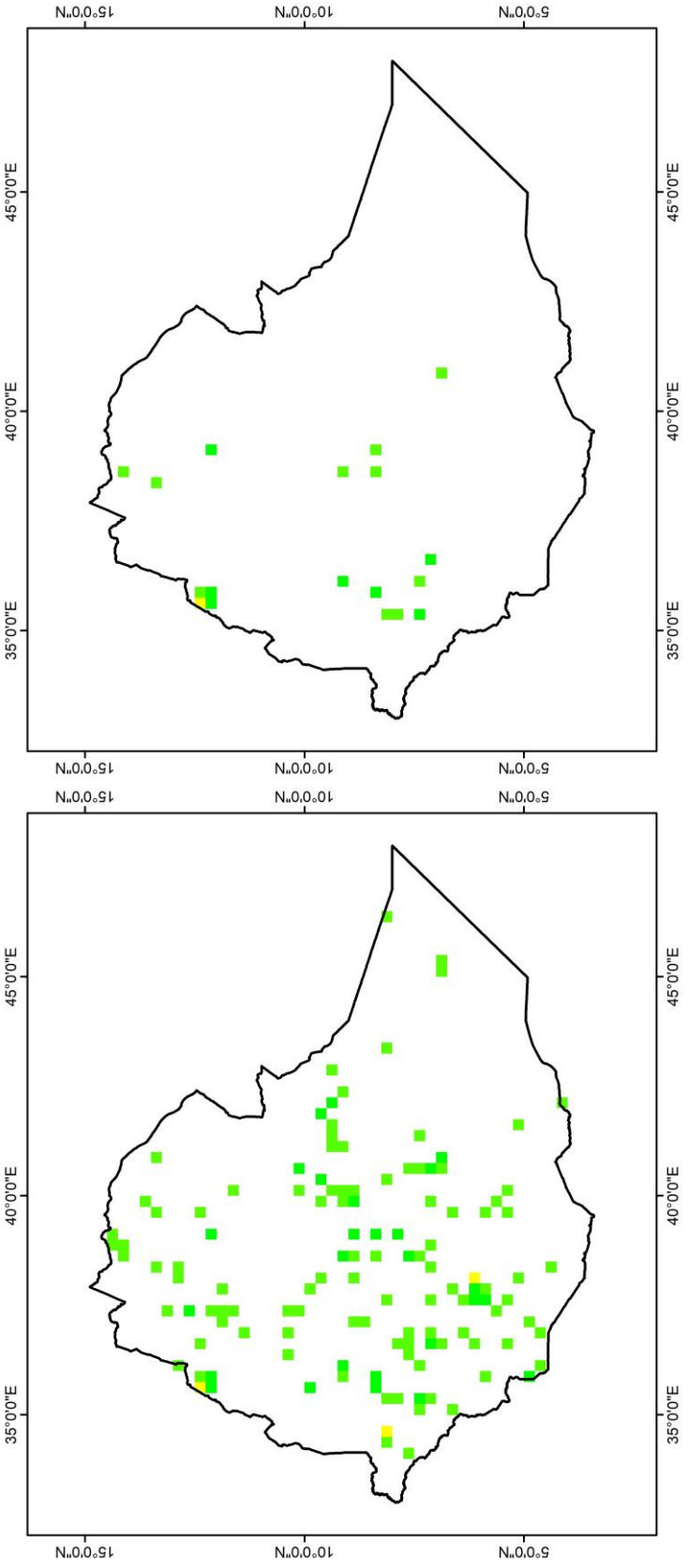

Species Richness maps for Ethiopia
(left: all voucher specimens; right: voucher specimens collected since 1998).

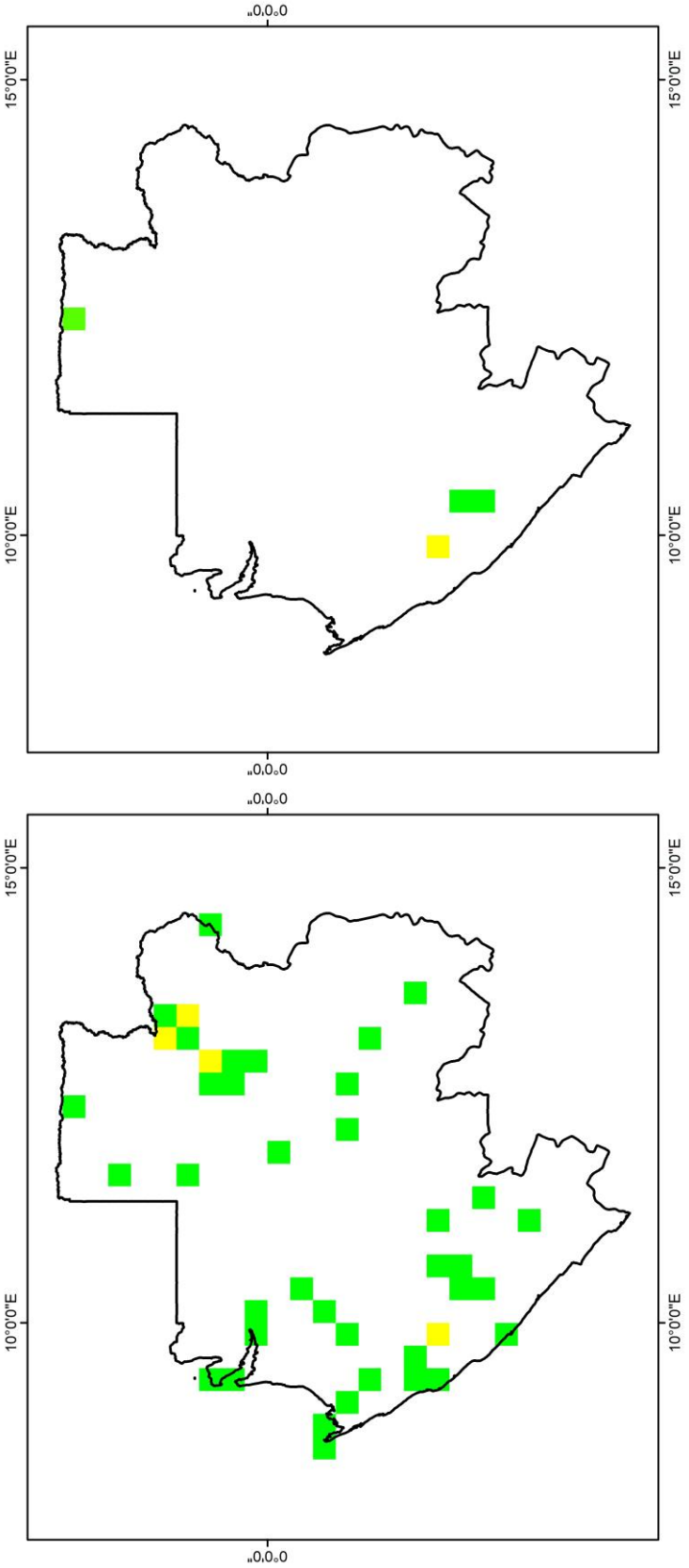

Species Richness maps for Gabon
(left: all voucher specimens; right: voucher specimens collected since 1998).

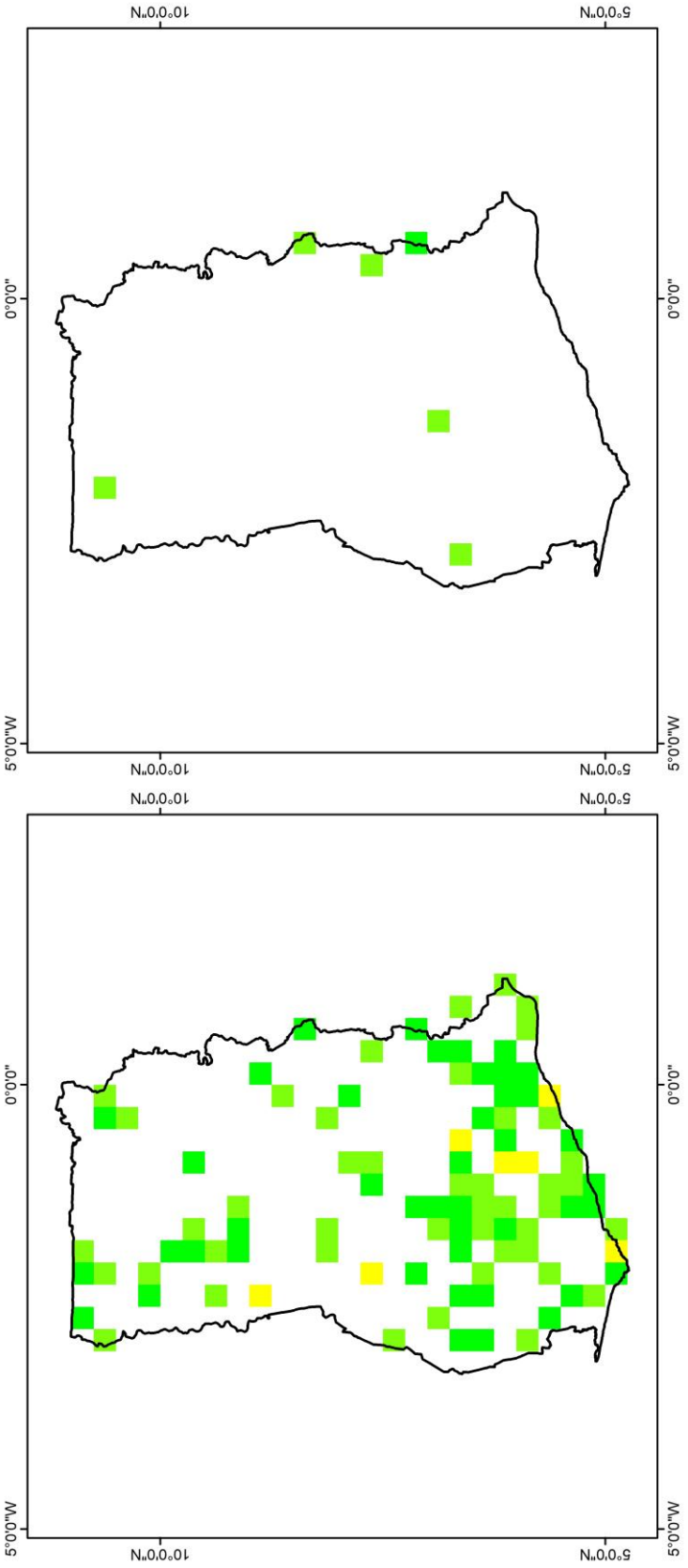

Species Richness maps for Ghana
(left: all voucher specimens; right: voucher specimens collected since 1998).

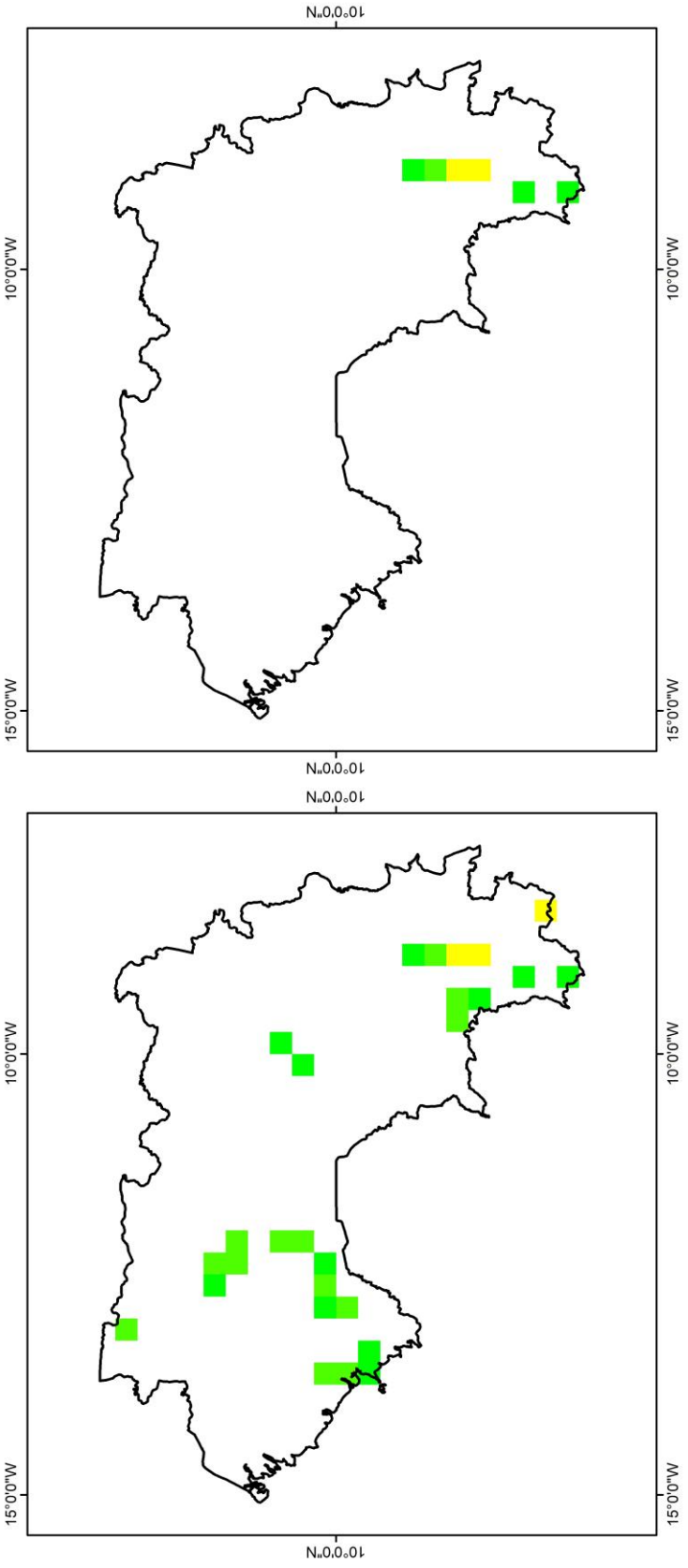

Species Richness maps for Guinea
(left: all voucher specimens; right: voucher specimens collected since 1998).

Species Richness maps for Guinea-Bissau
(left: all voucher specimens; right: voucher specimens collected since 1998).

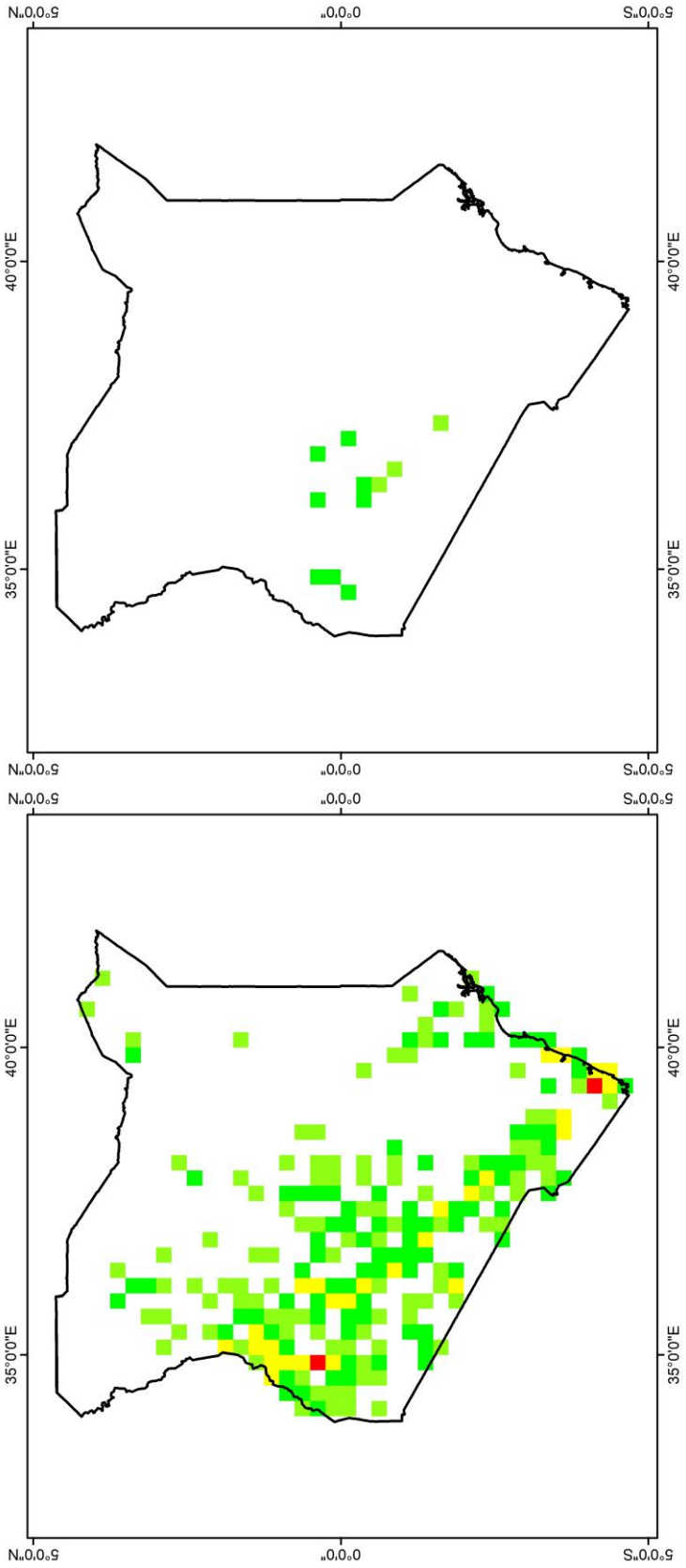

Species Richness maps for Kenya
(left: all voucher specimens; right: voucher specimens collected since 1998).

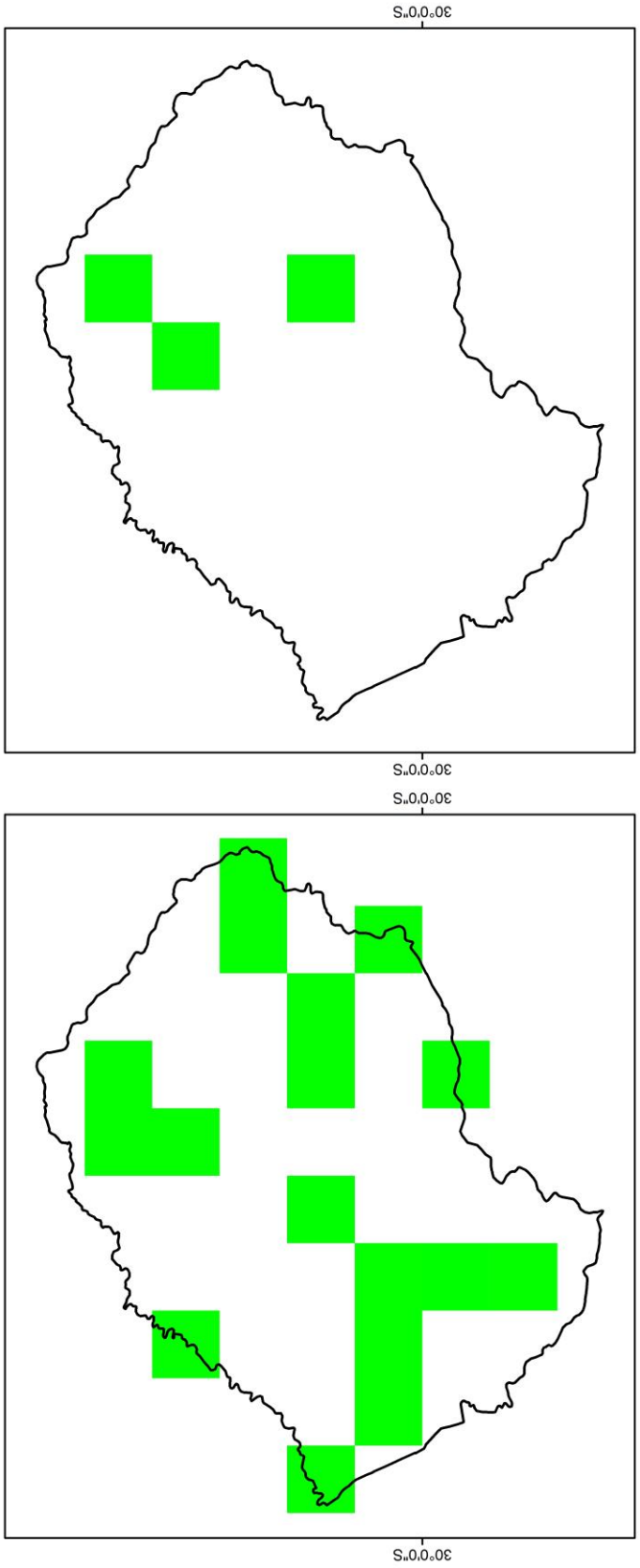

Species Richness maps for Lesotho
(left: all voucher specimens; right: voucher specimens collected since 1998).

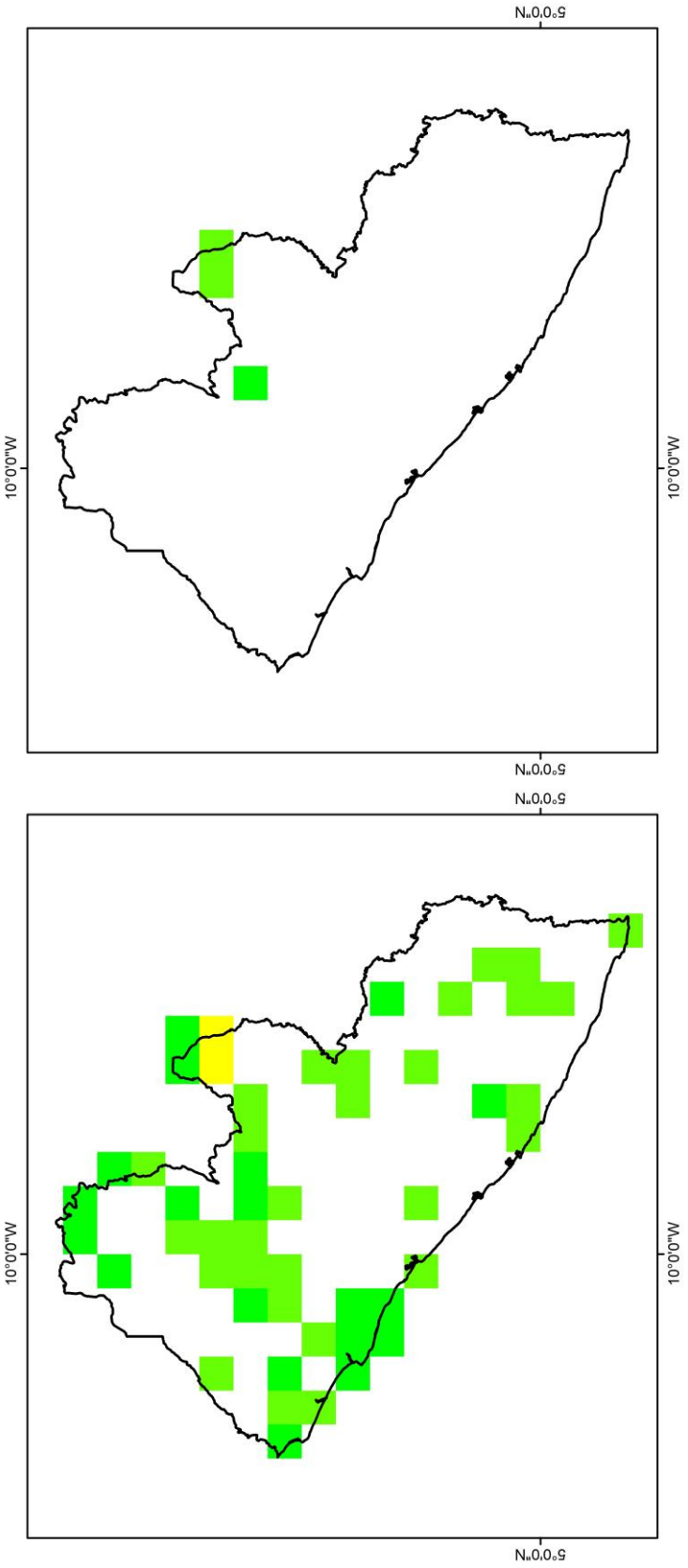

Species Richness maps for Liberia
(left: all voucher specimens; right: voucher specimens collected since 1998).

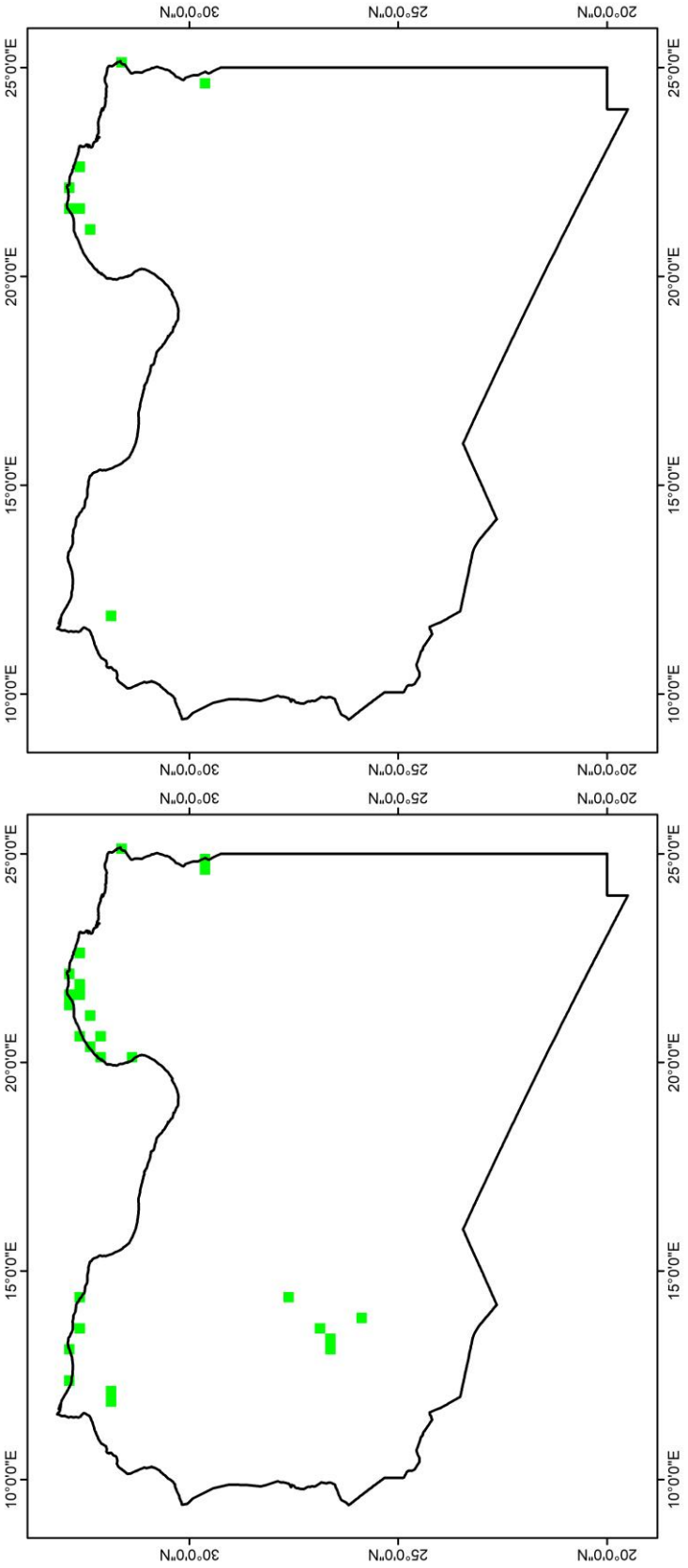

Species Richness maps for Libya
(left: all voucher specimens; right: voucher specimens collected since 1998).

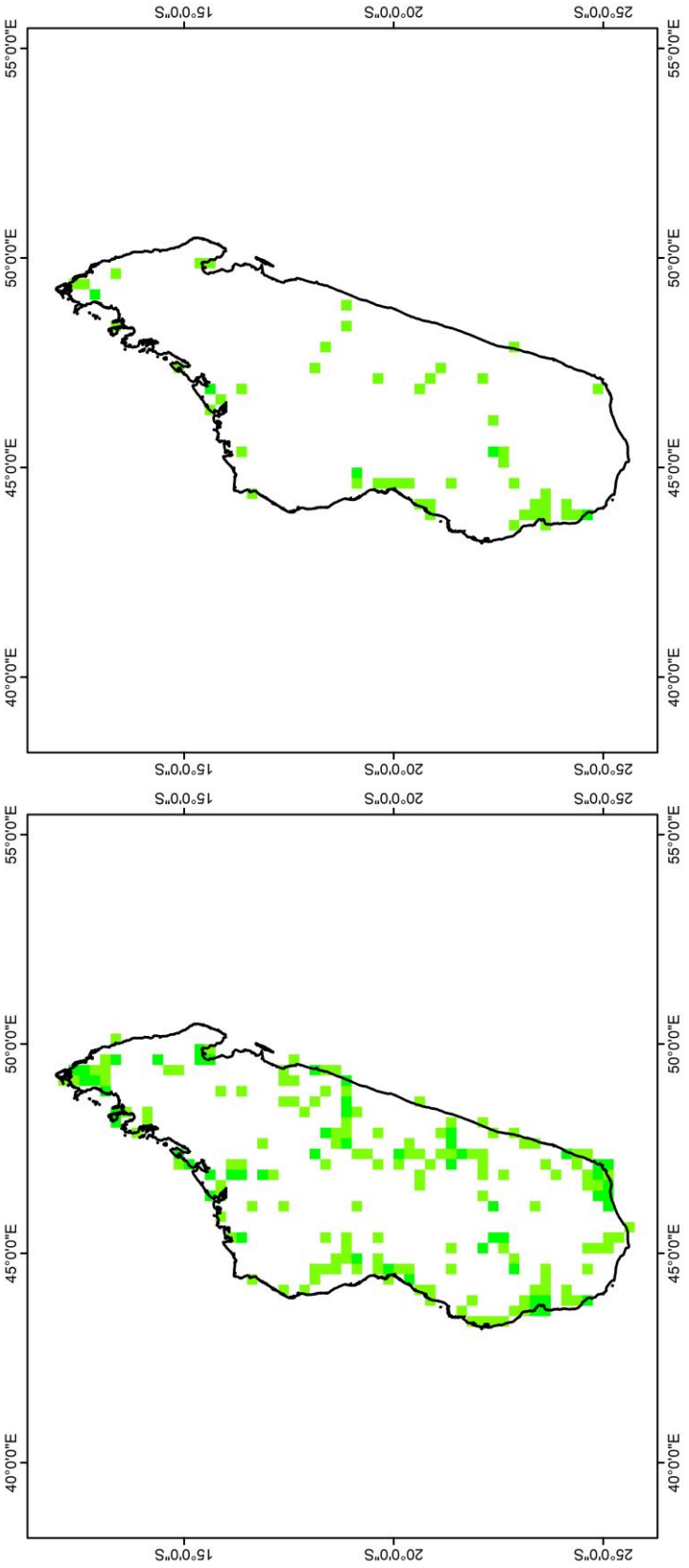

Species Richness maps for Madagascar
(left: all voucher specimens; right: voucher specimens collected since 1998).

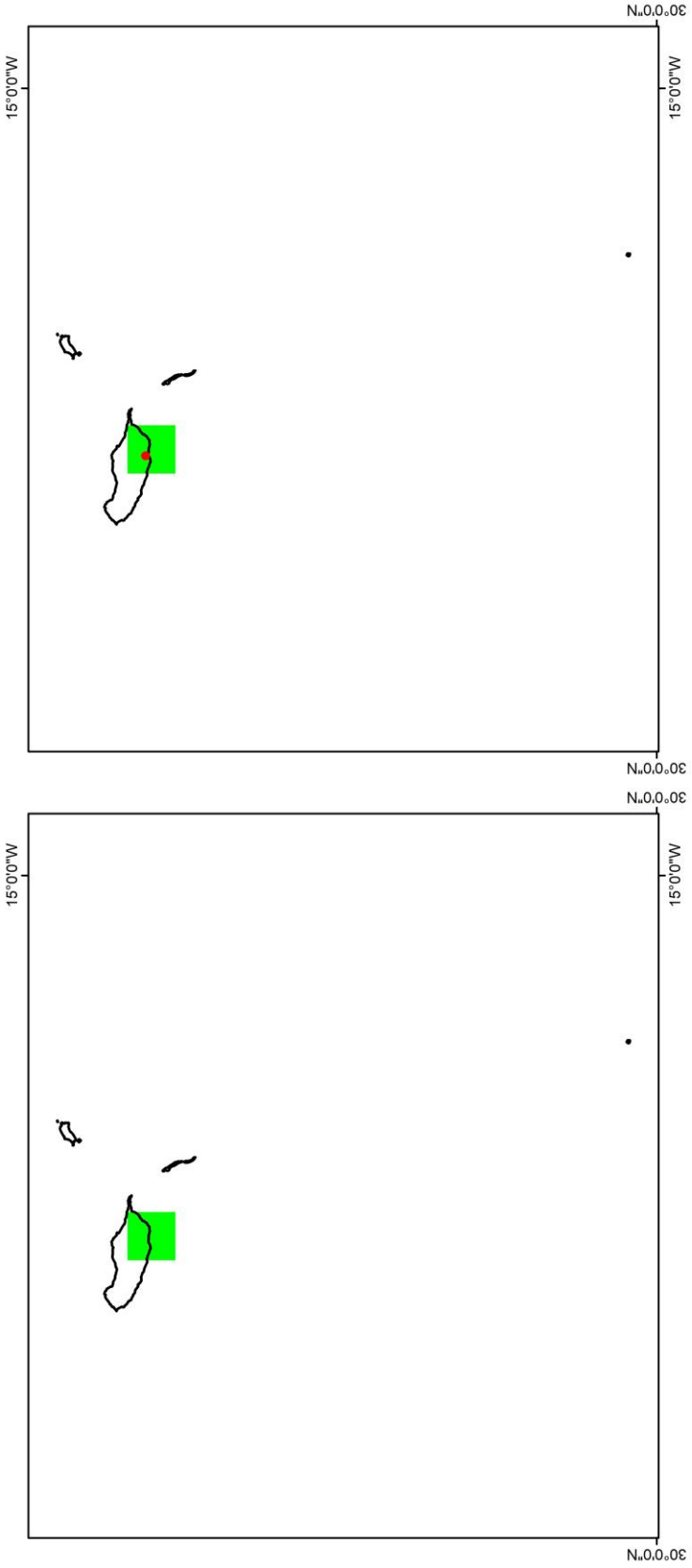

Species Richness maps for Madeira (Portugal)
(left: all voucher specimens; right: voucher specimens collected since 1998).

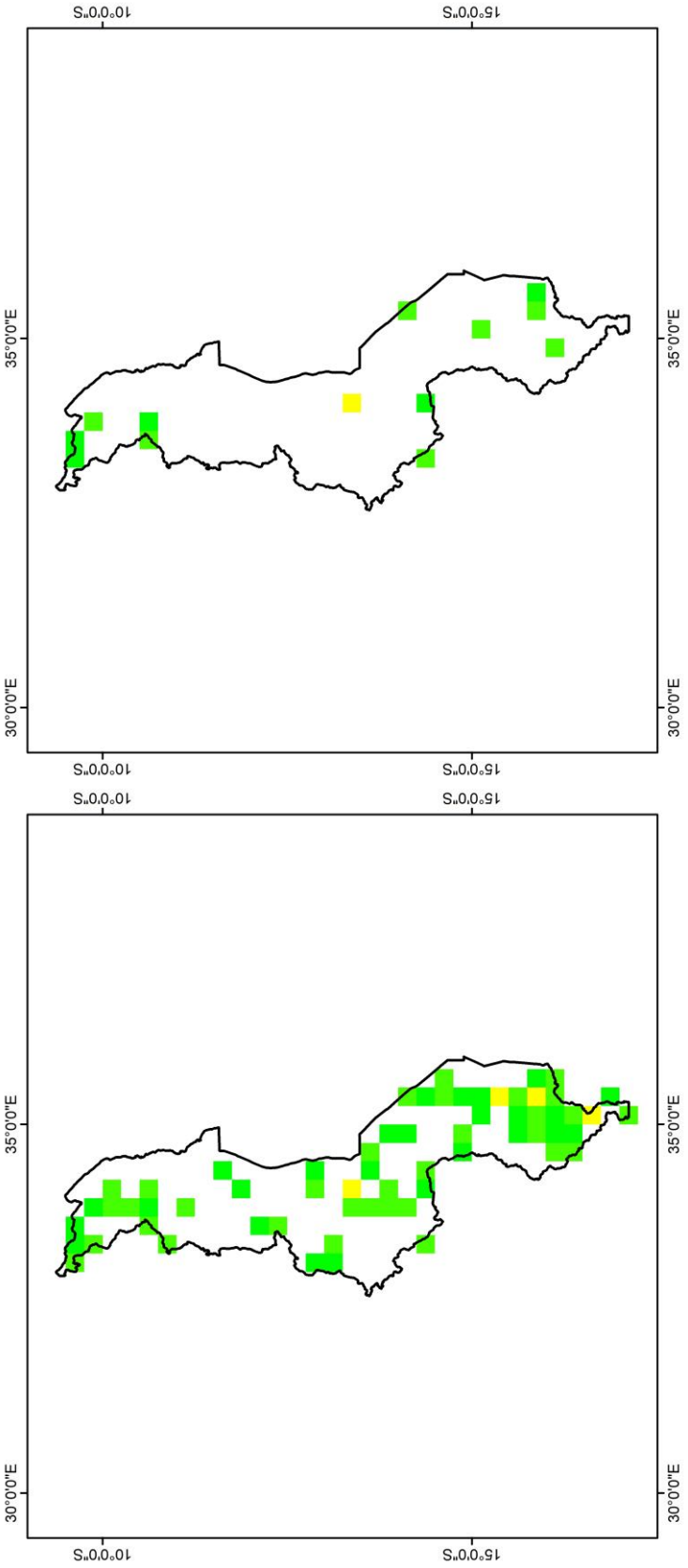

Species Richness maps for Malawi
(left: all voucher specimens; right: voucher specimens collected since 1998).

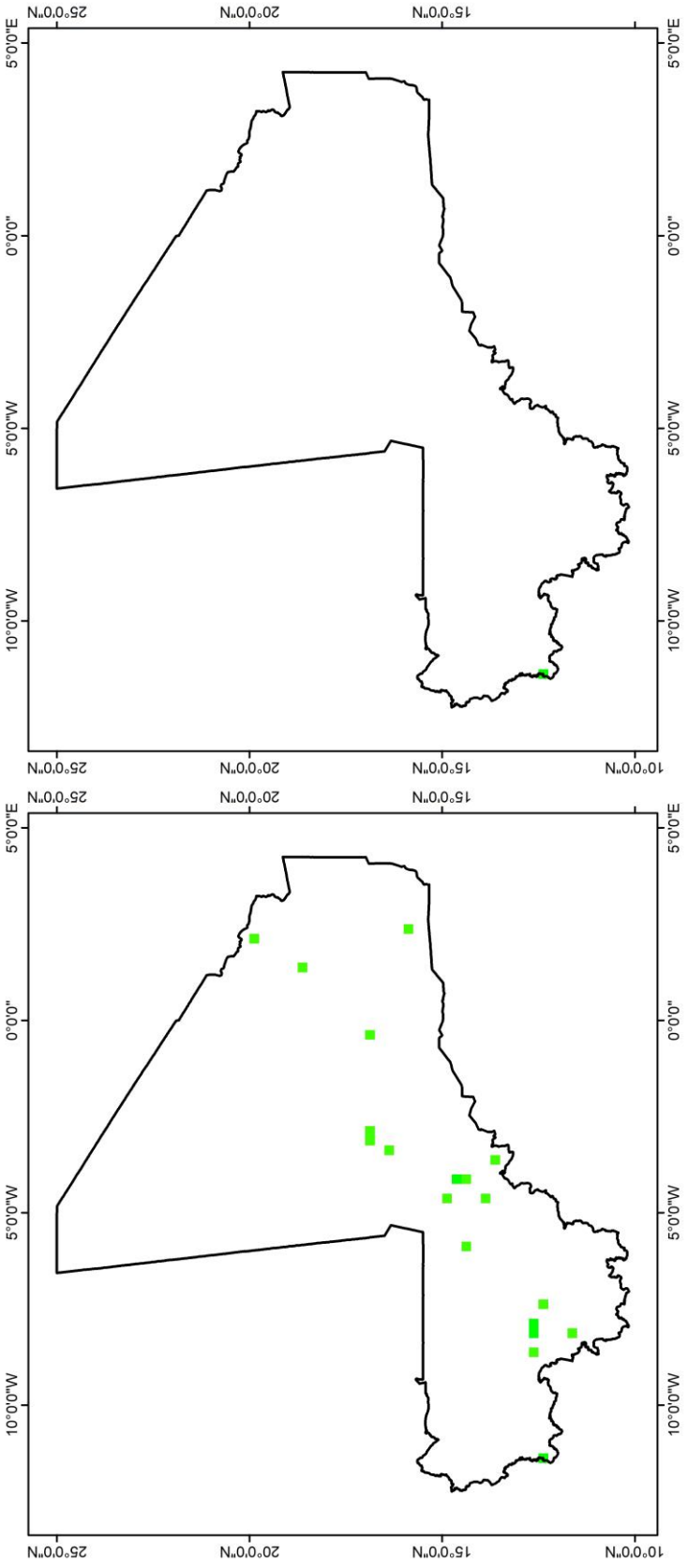

Species Richness maps for Mali
(left: all voucher specimens; right: voucher specimens collected since 1998).

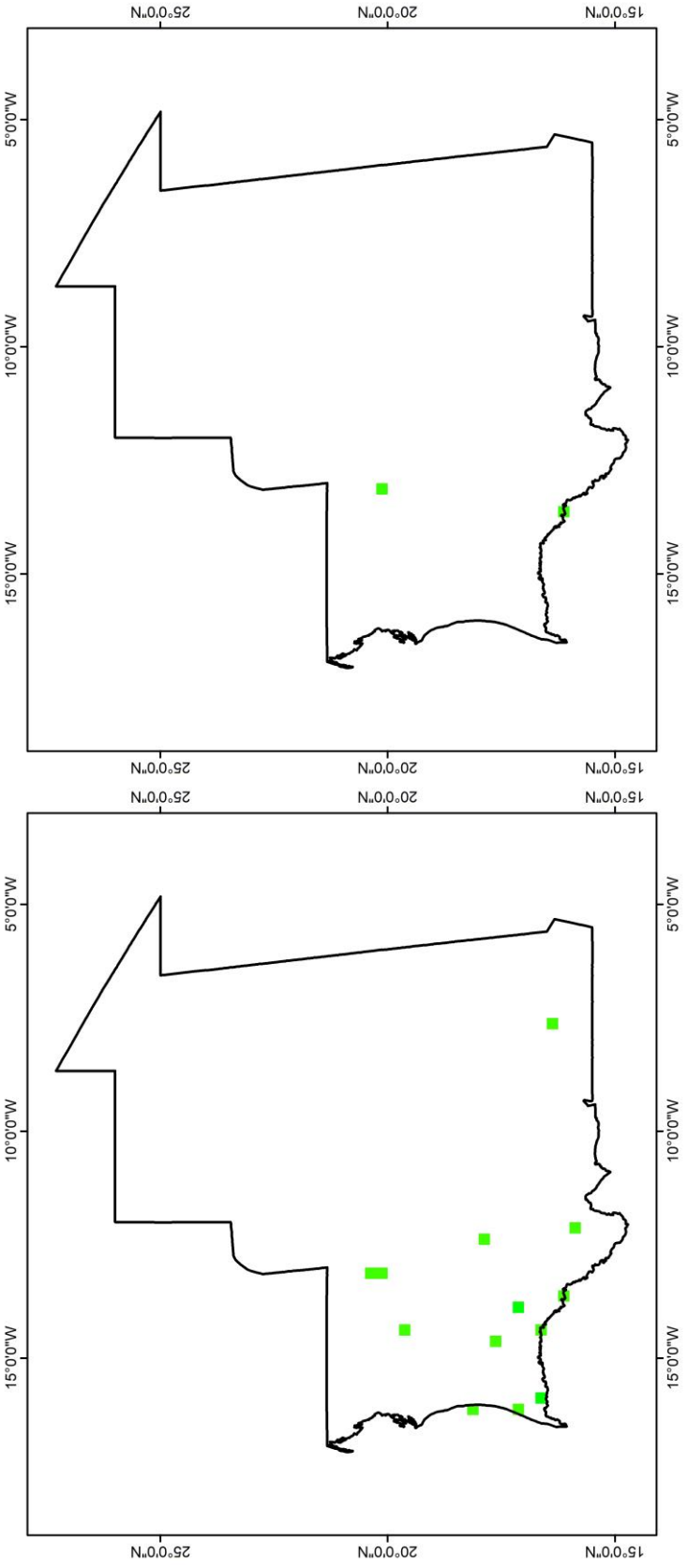

Species Richness maps for Mauritania
(left: all voucher specimens; right: voucher specimens collected since 1998).

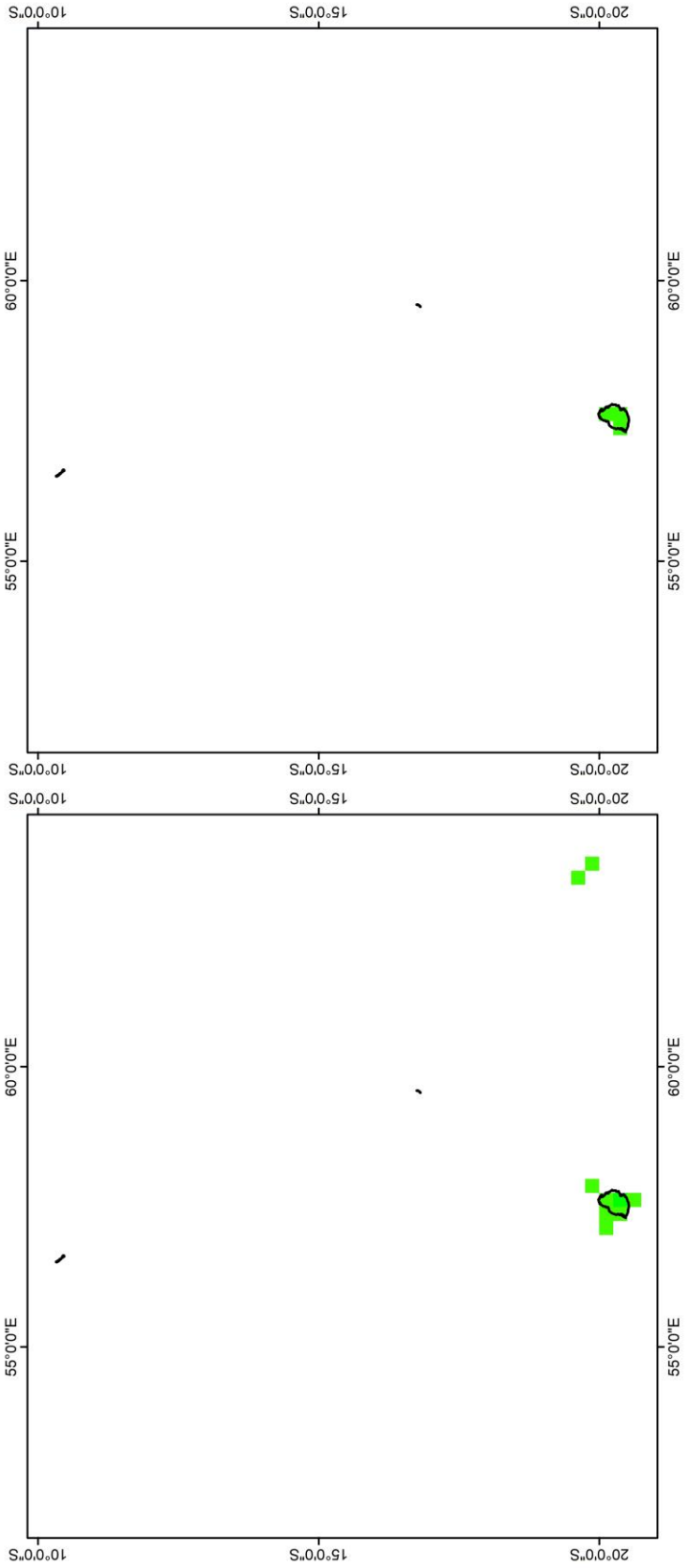

Species Richness maps for Mauritius
(left: all voucher specimens; right: voucher specimens collected since 1998).

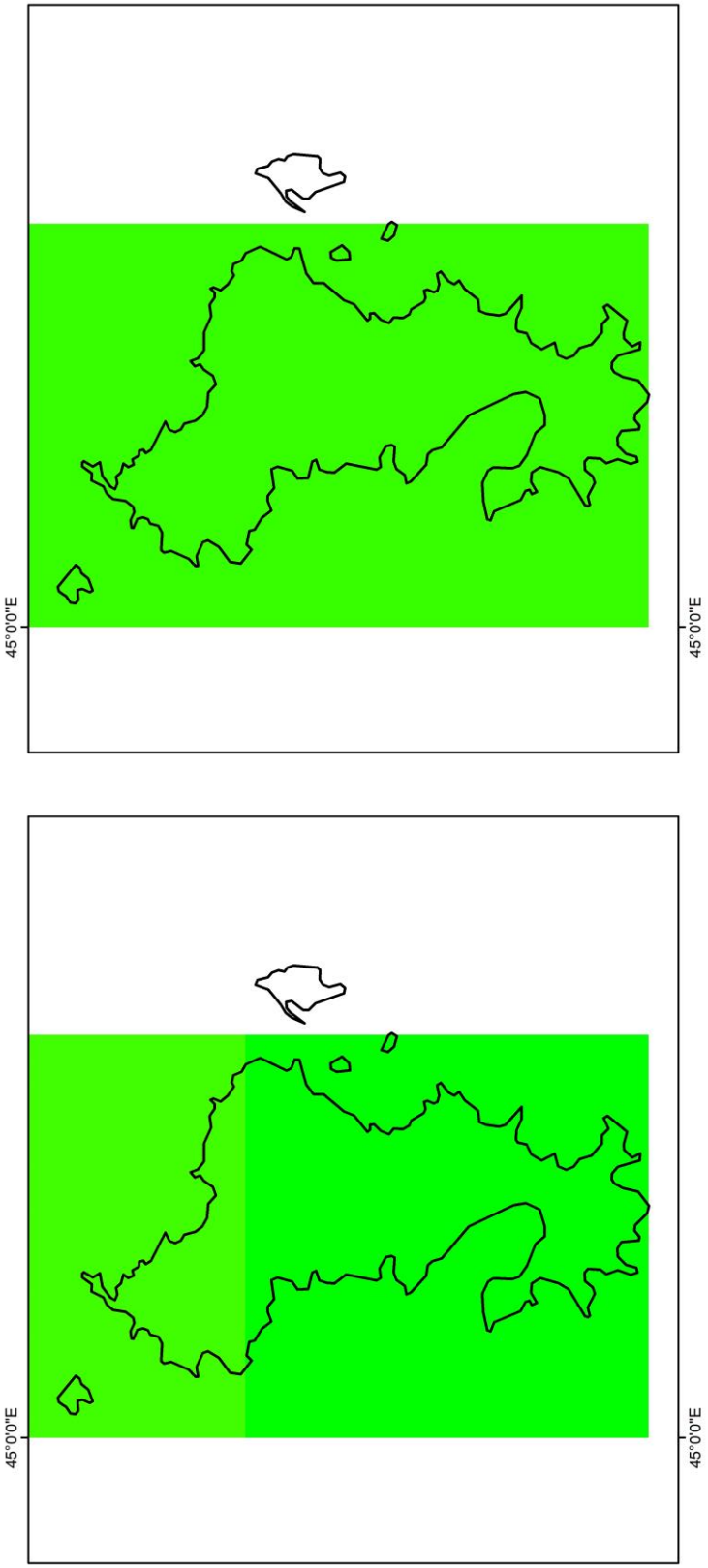

Species Richness maps for Mayotte
(left: all voucher specimens; right: voucher specimens collected since 1998).

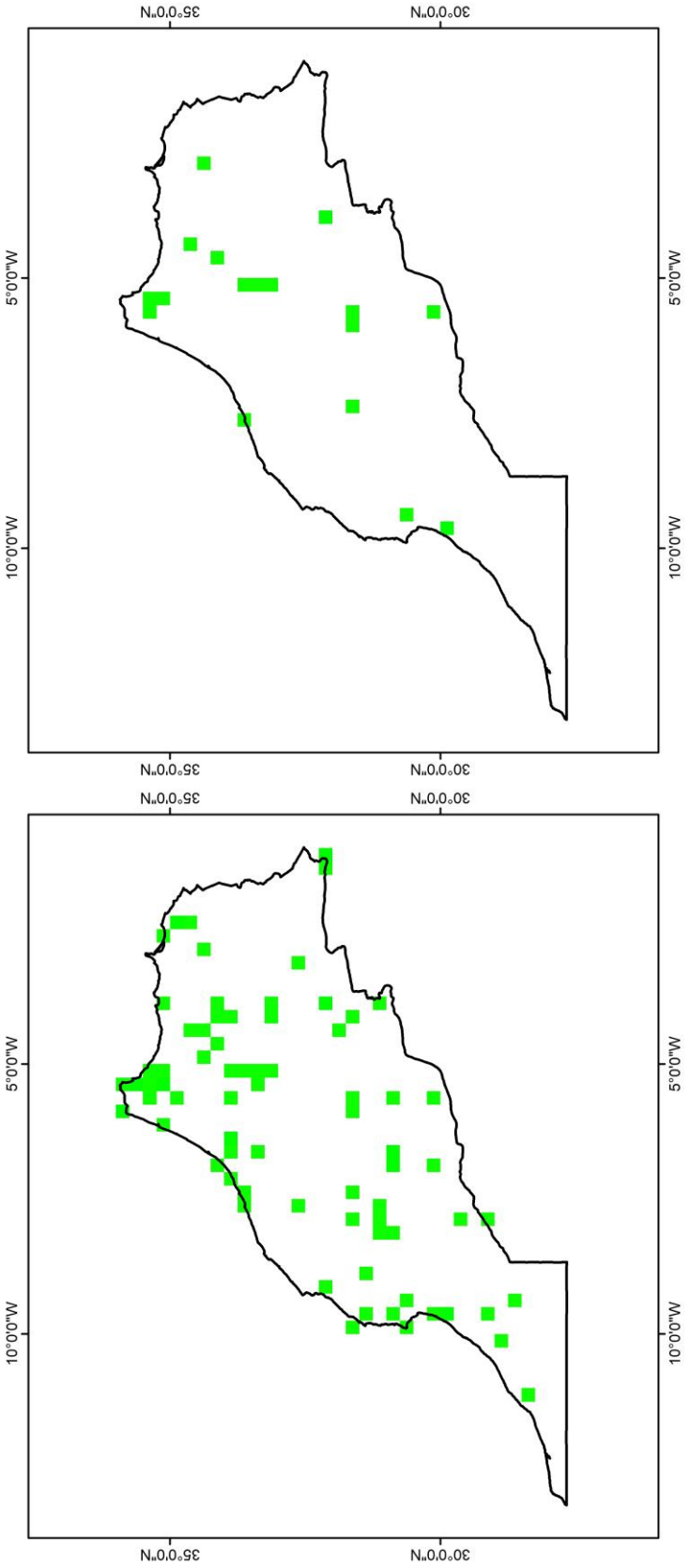

Species Richness maps for Morocco
(left: all voucher specimens; right: voucher specimens collected since 1998).

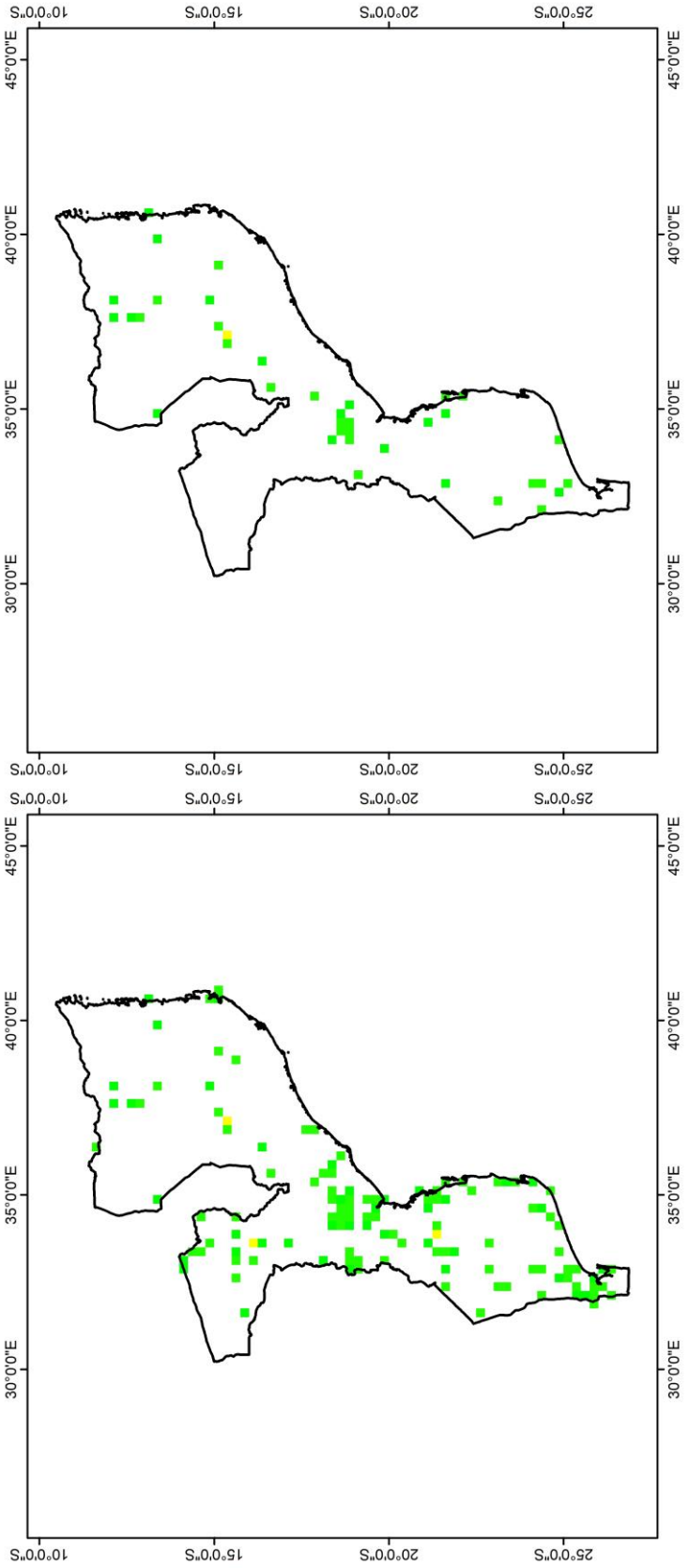

Species Richness maps for Mozambique
(left: all voucher specimens; right: voucher specimens collected since 1998).

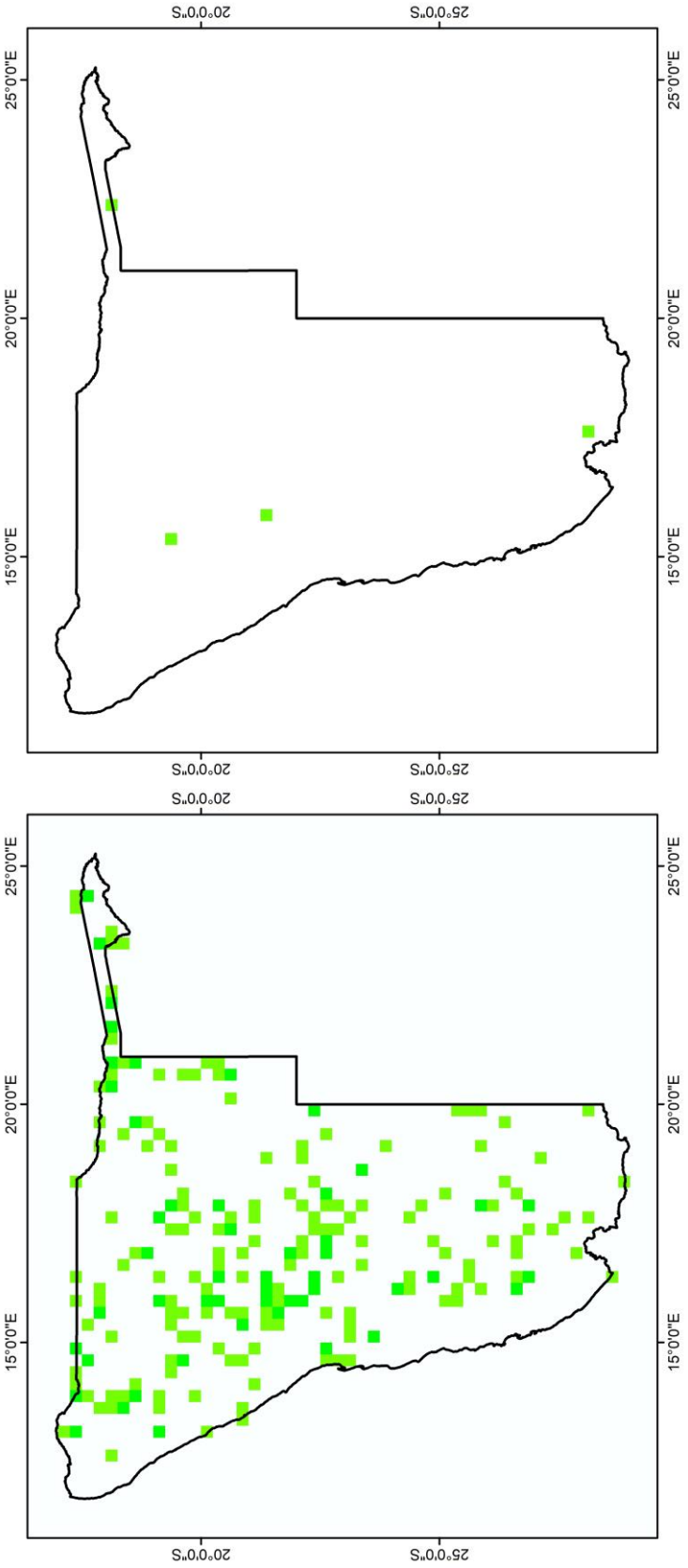

Species Richness maps for Namibia
(left: all voucher specimens; right: voucher specimens collected since 1998).

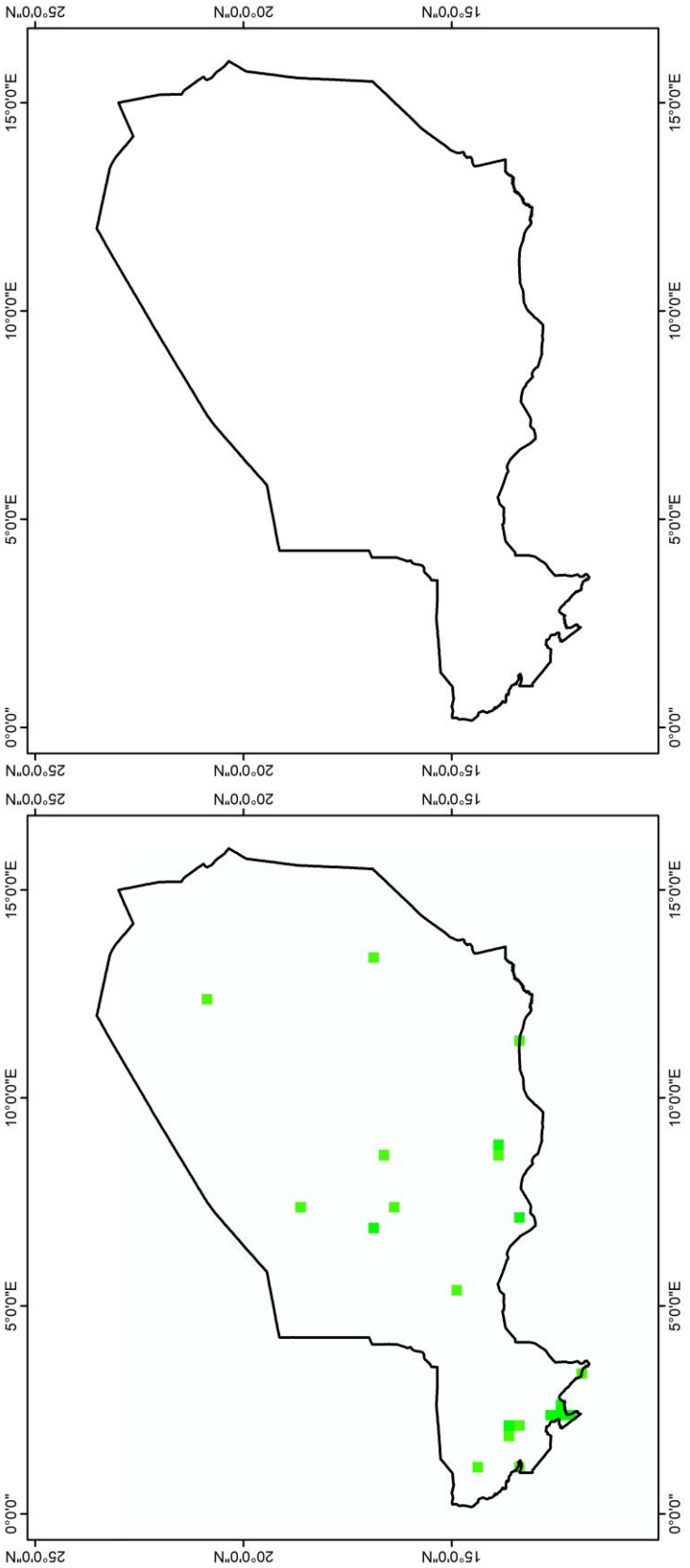

Species Richness maps for Niger
(left: all voucher specimens; right: voucher specimens collected since 1998).

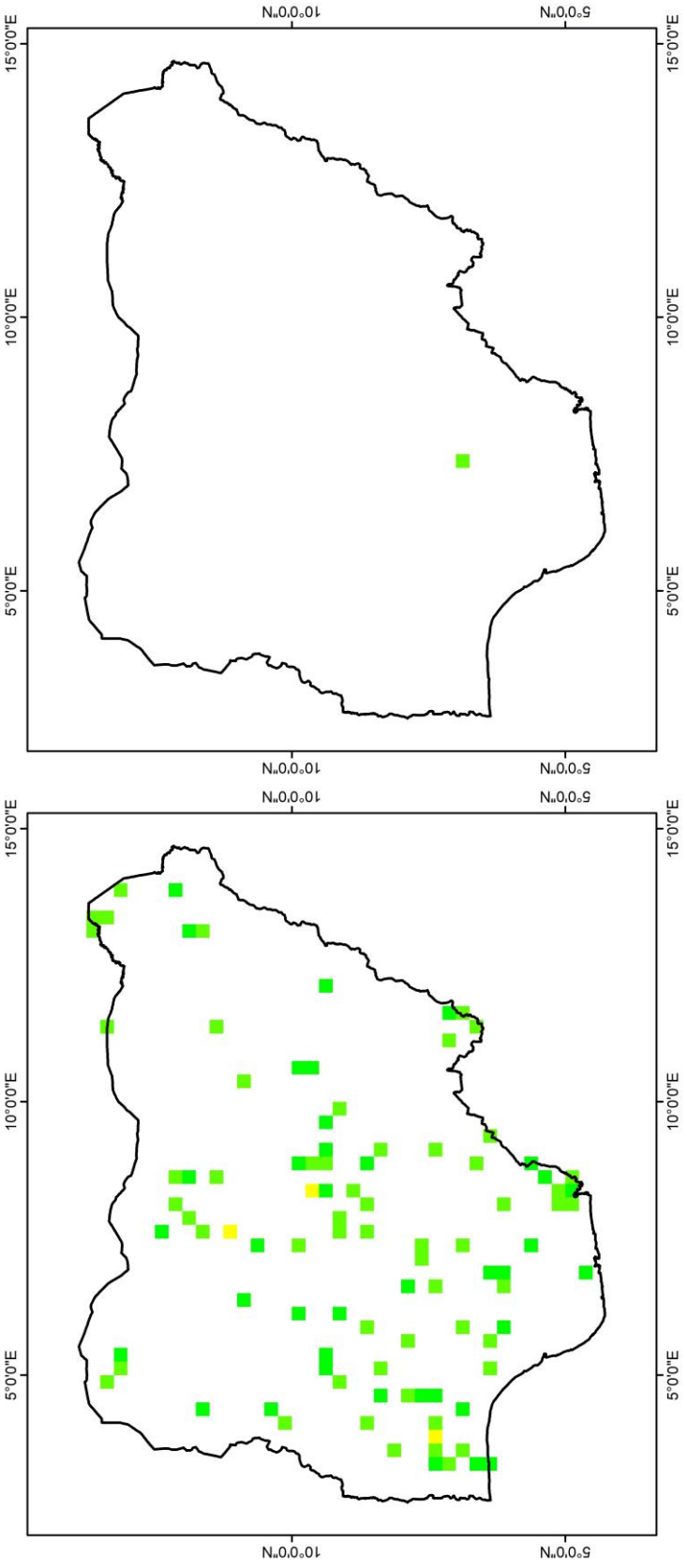

Species Richness maps for Nigeria
(left: all voucher specimens; right: voucher specimens collected since 1998).

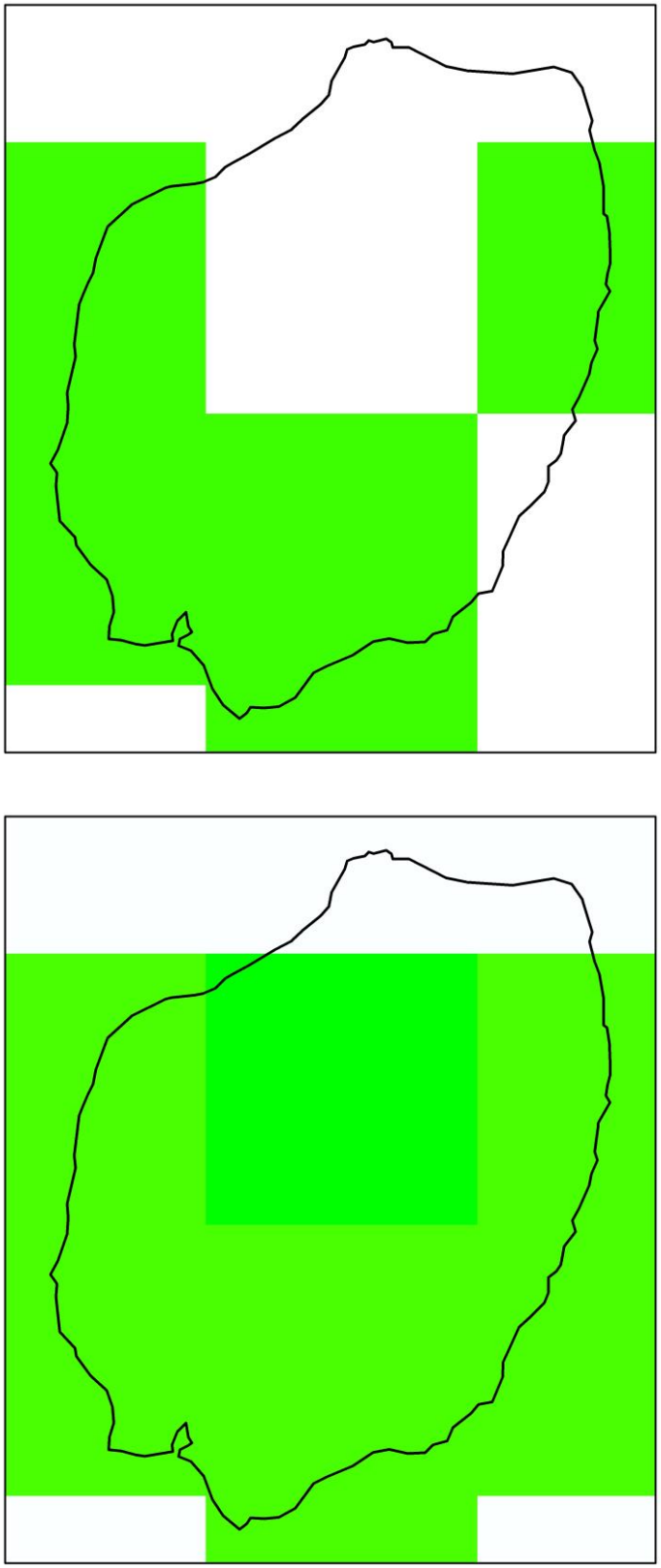

Species Richness maps for Réunion
(left: all voucher specimens; right: voucher specimens collected since 1998).

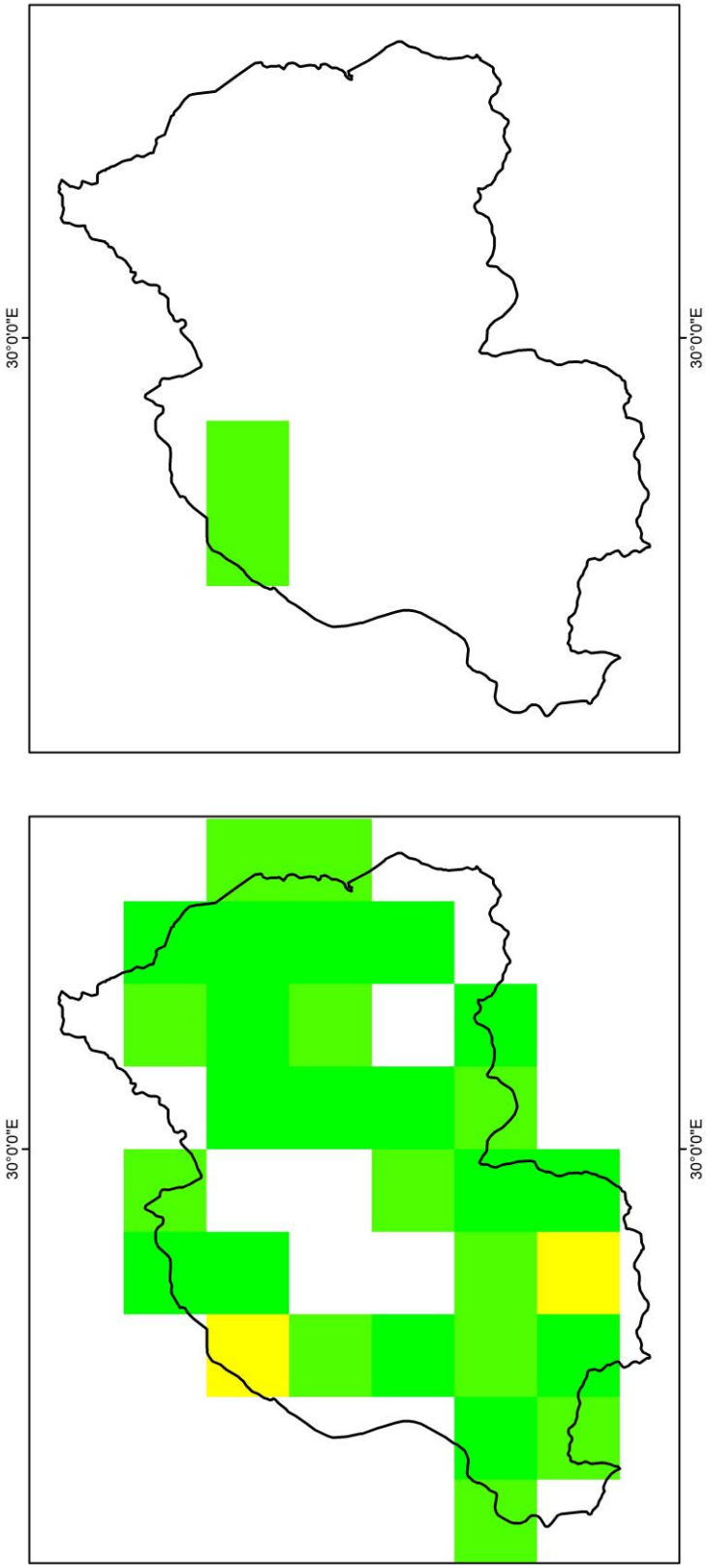

Species Richness maps for Rwanda
(left: all voucher specimens; right: voucher specimens collected since 1998).

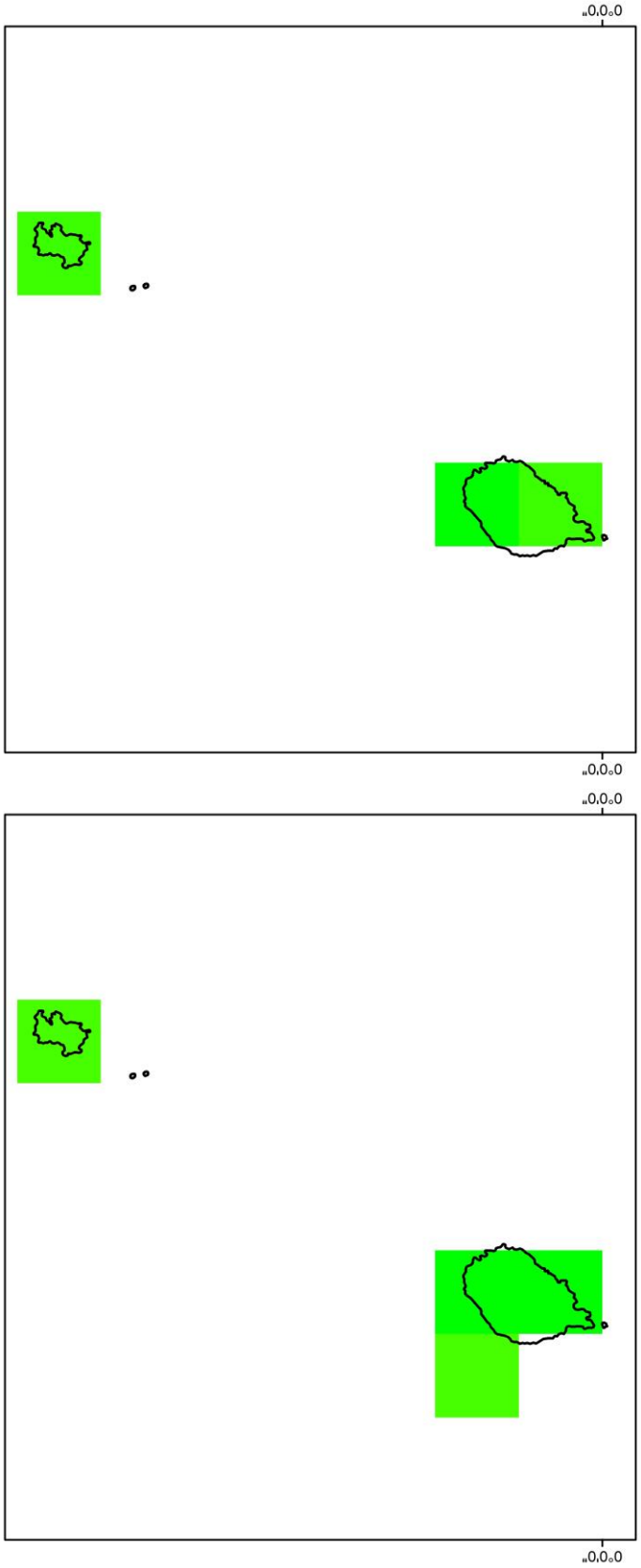

Species Richness maps for São Tomé and Principé
(left: all voucher specimens; right: voucher specimens collected since 1998).

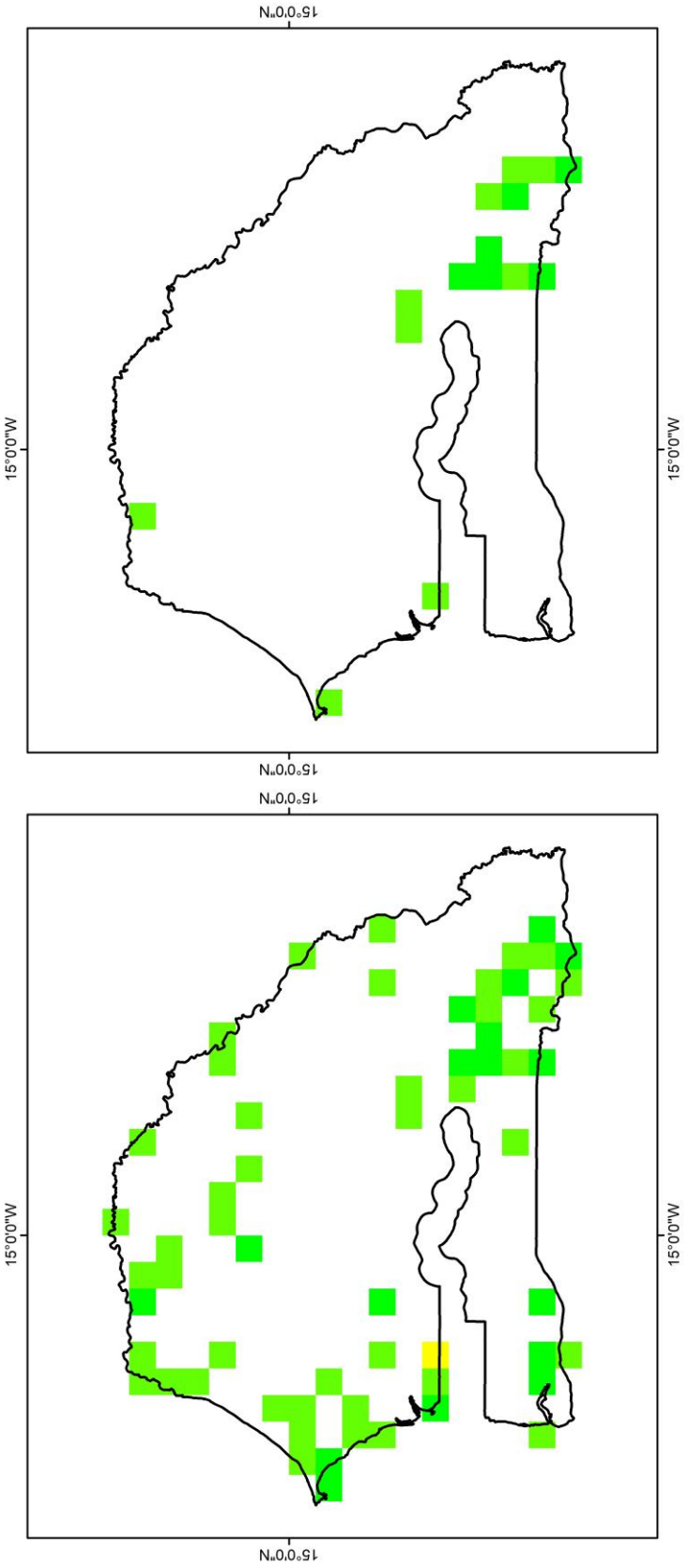

Species Richness maps for Senegal
(left: all voucher specimens; right: voucher specimens collected since 1998).

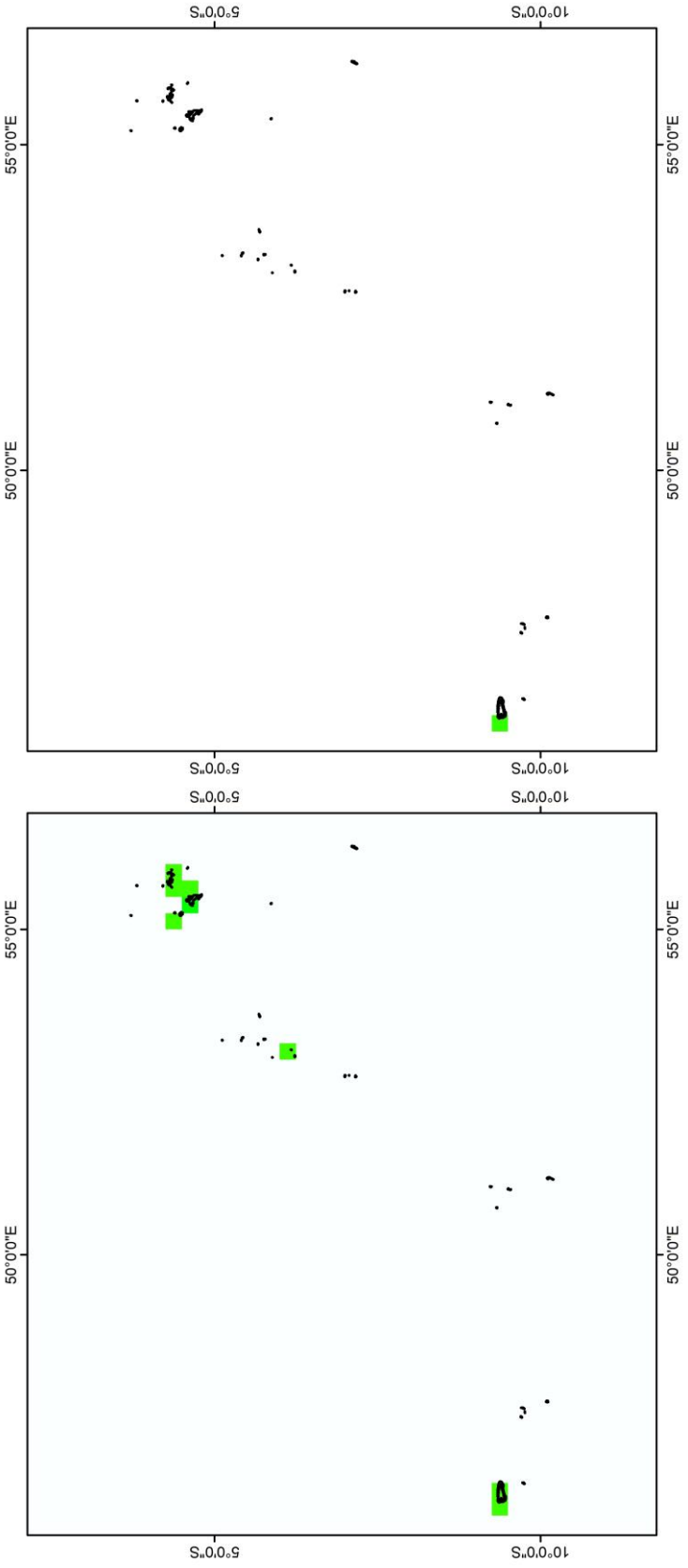

Species Richness maps for Seychelles
(left: all voucher specimens; right: voucher specimens collected since 1998).

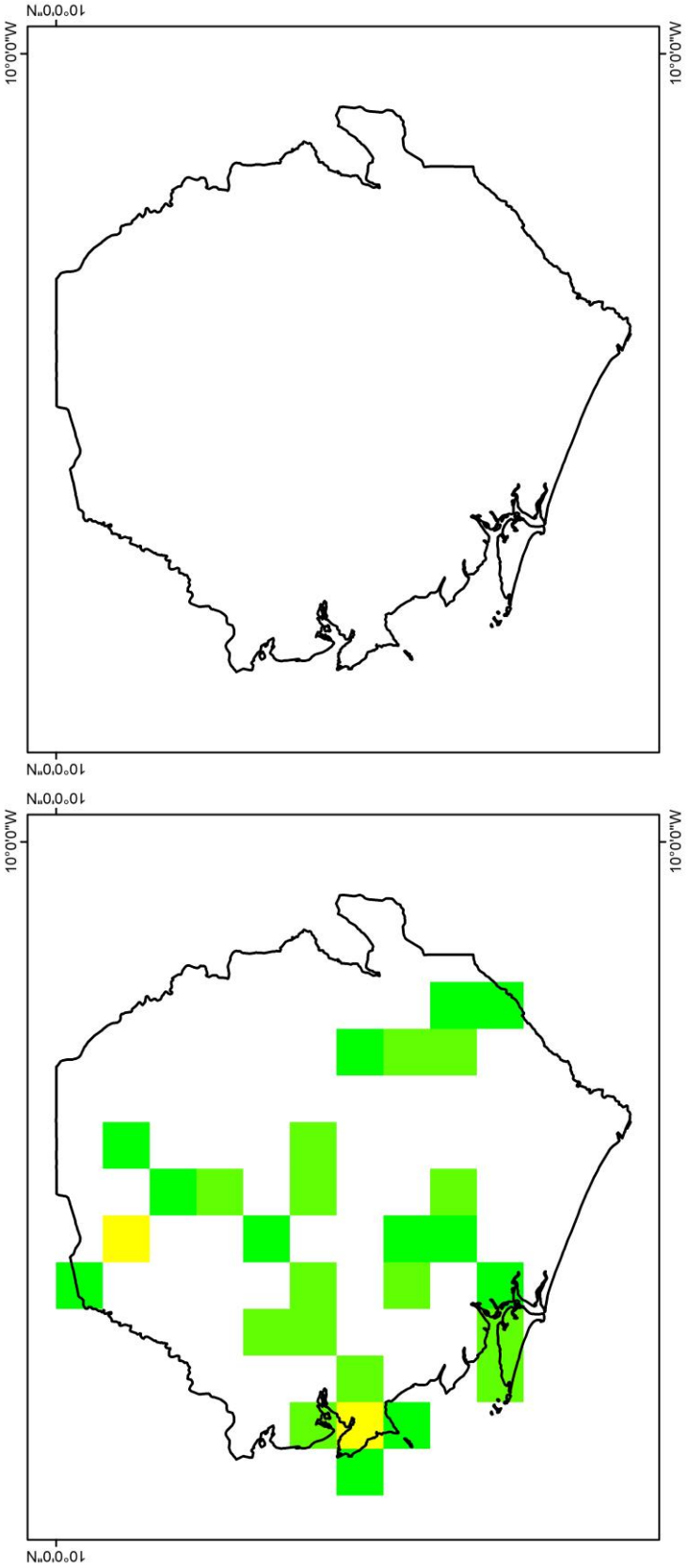

Species Richness maps for Sierra Leone
(left: all voucher specimens; right: voucher specimens collected since 1998).

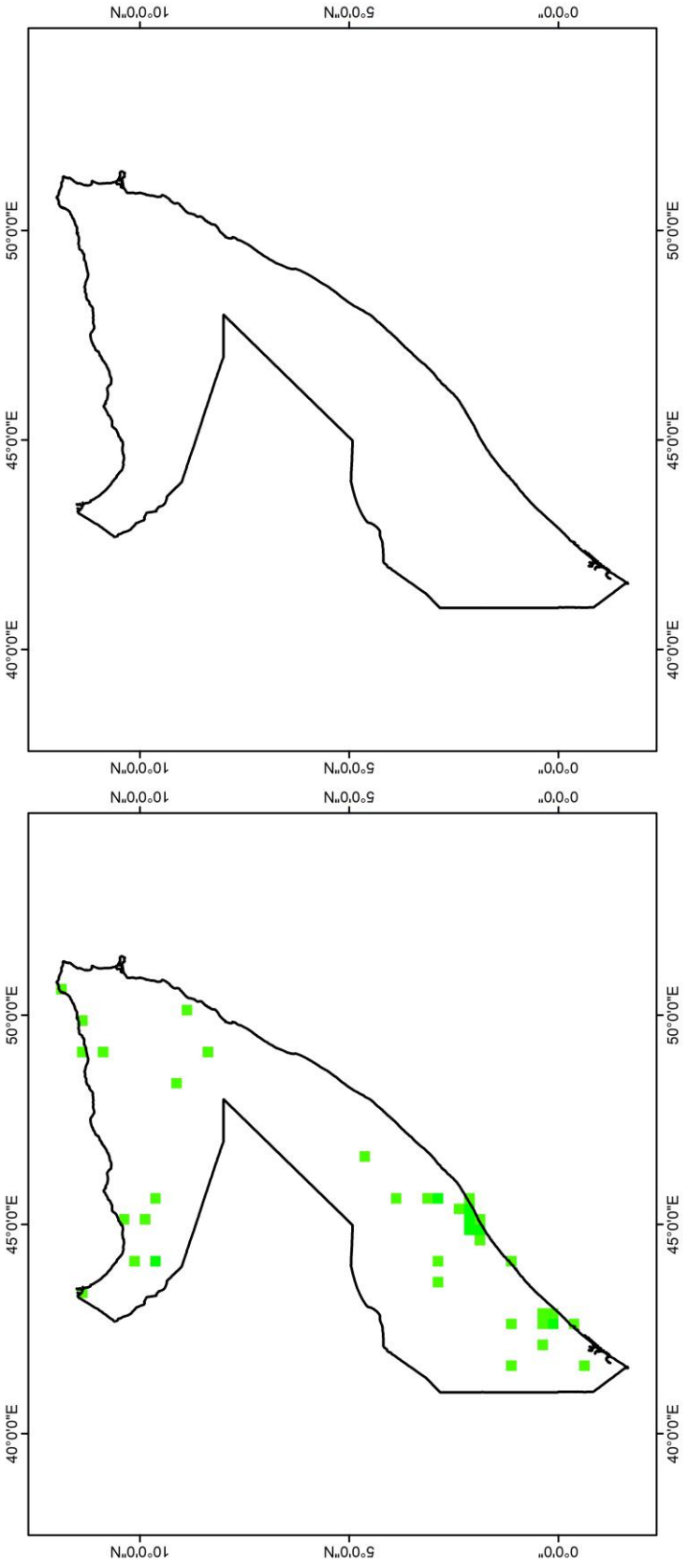

Species Richness maps for Somalia
(left: all voucher specimens; right: voucher specimens collected since 1998).

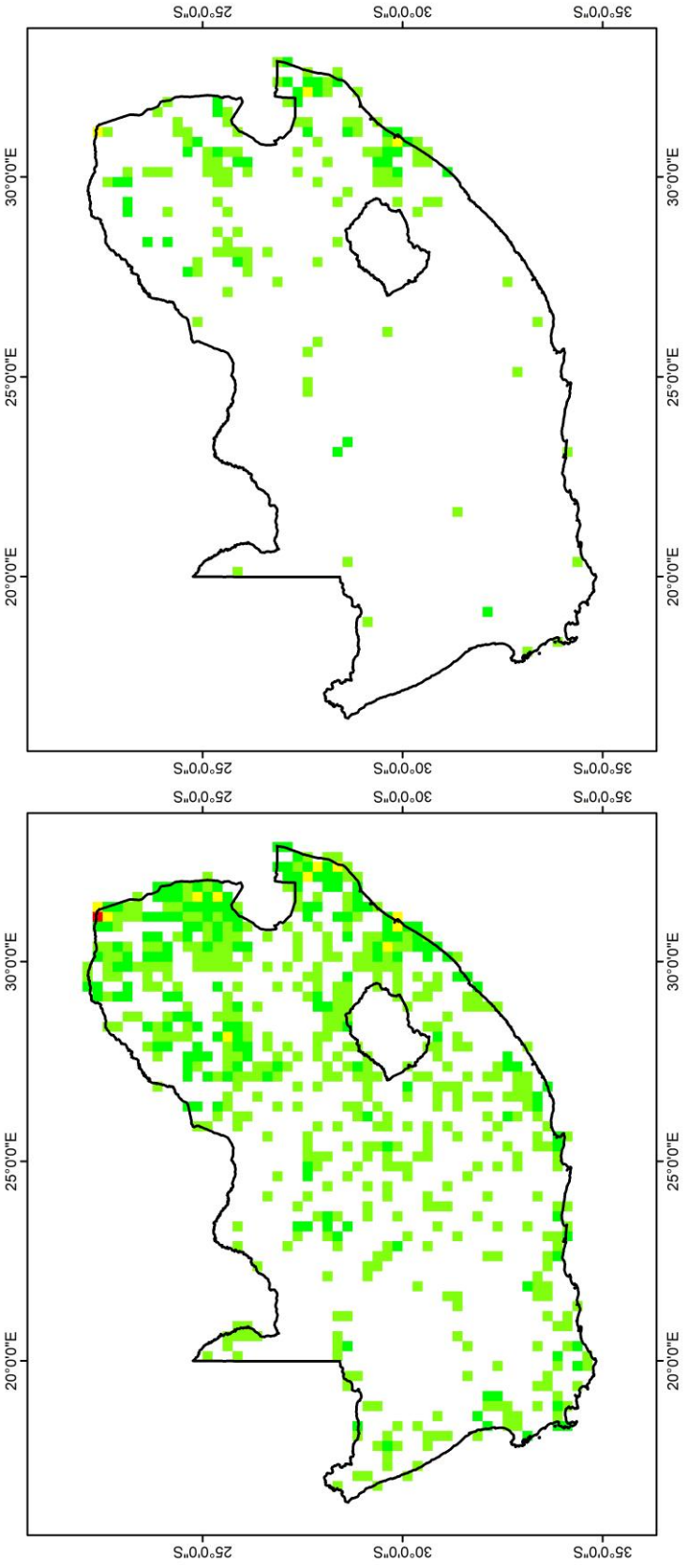

Species Richness maps for South Africa
(left: all voucher specimens; right: voucher specimens collected since 1998).

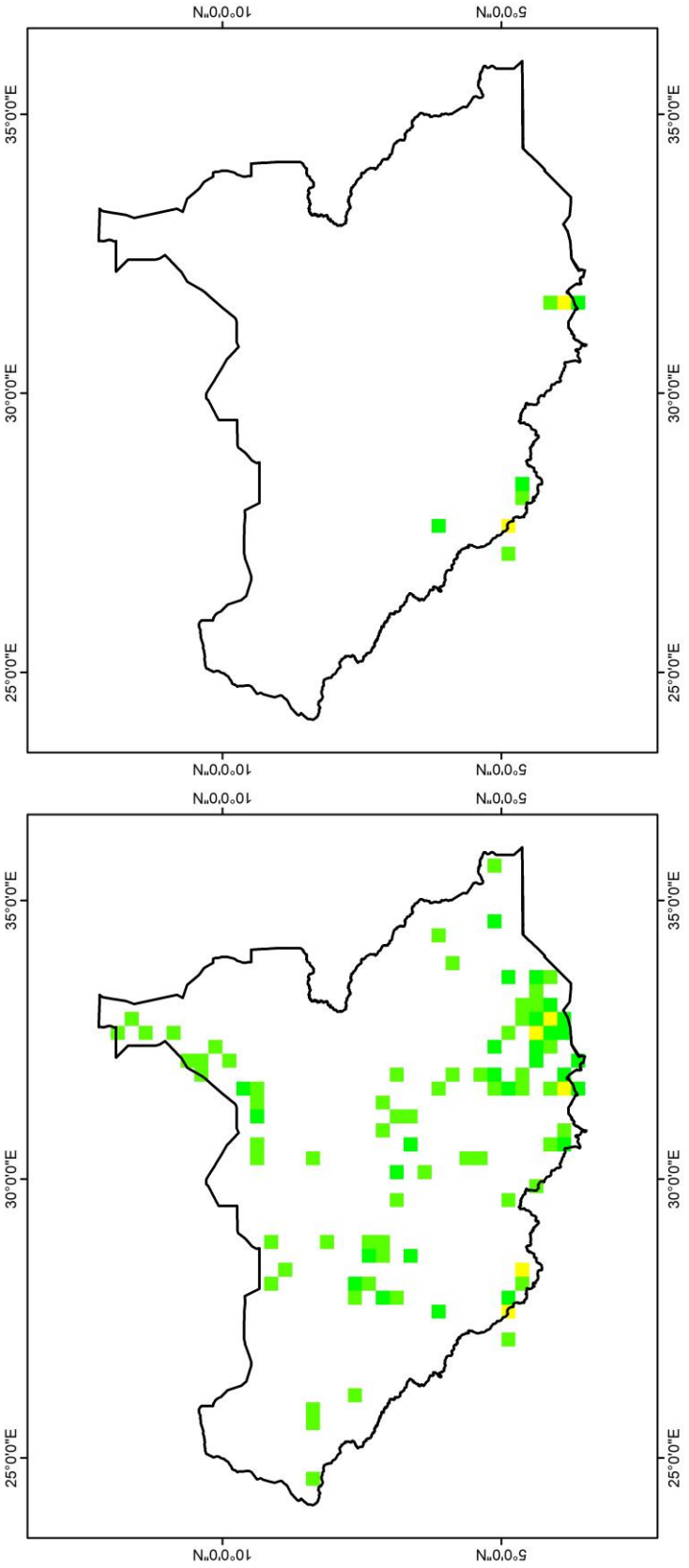

Species Richness maps for South Sudan
(left: all voucher specimens; right: voucher specimens collected since 1998).

Species Richness maps for Spain
(left: all voucher specimens; right: voucher specimens collected since 1998).

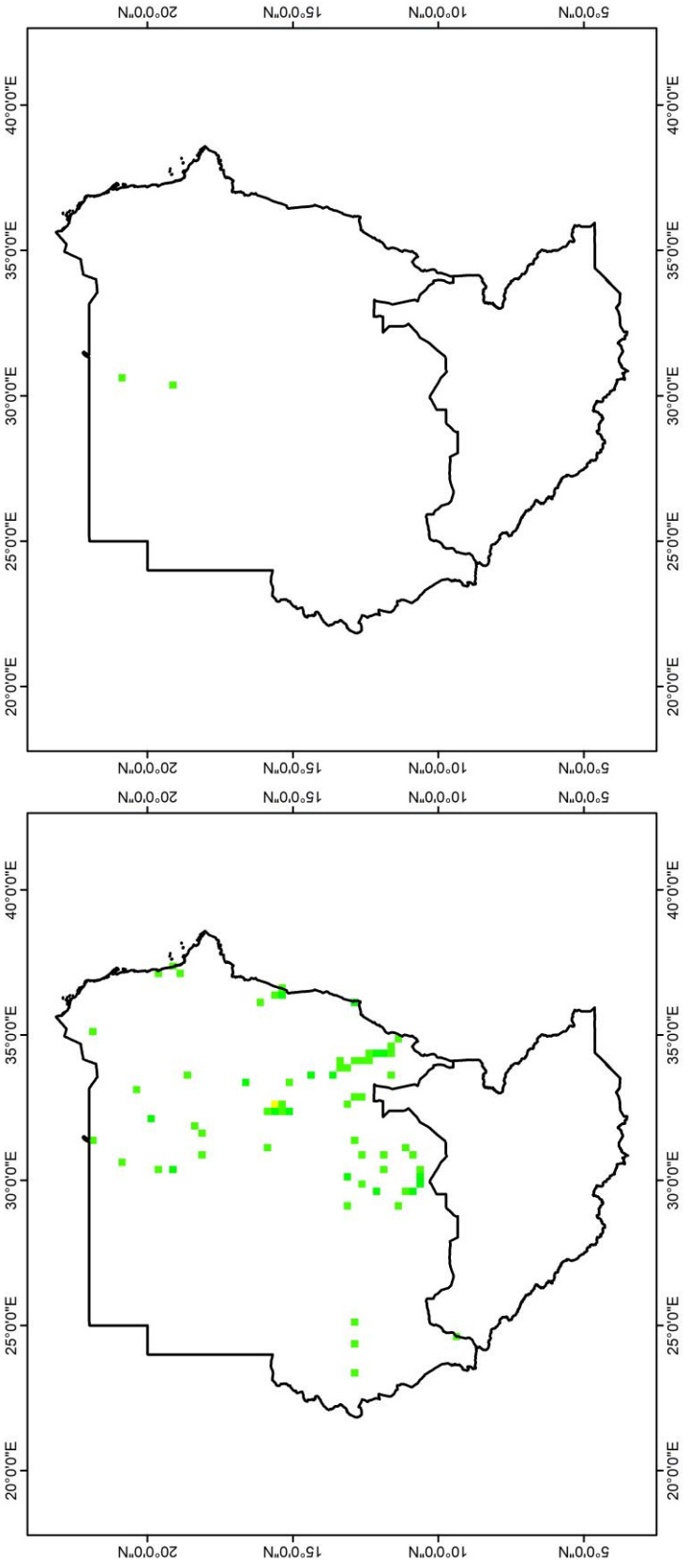

Species Richness maps for Sudan
(left: all voucher specimens; right: voucher specimens collected since 1998).

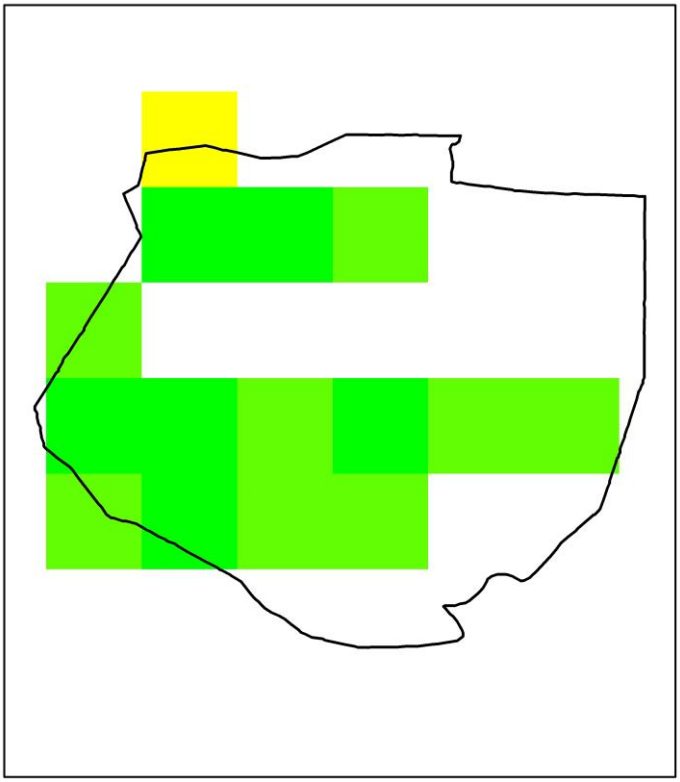

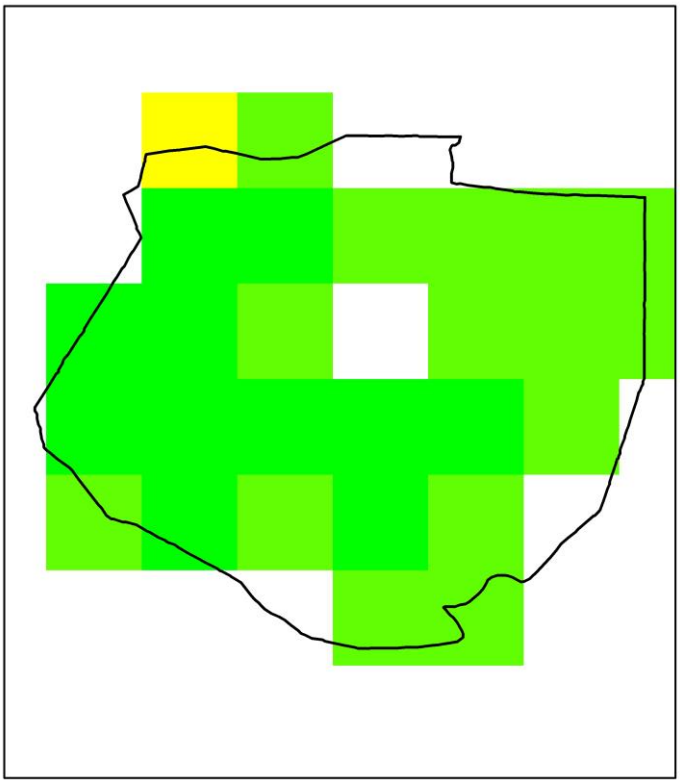

Species Richness maps for Swaziland
(left: all voucher specimens; right: voucher specimens collected since 1998).

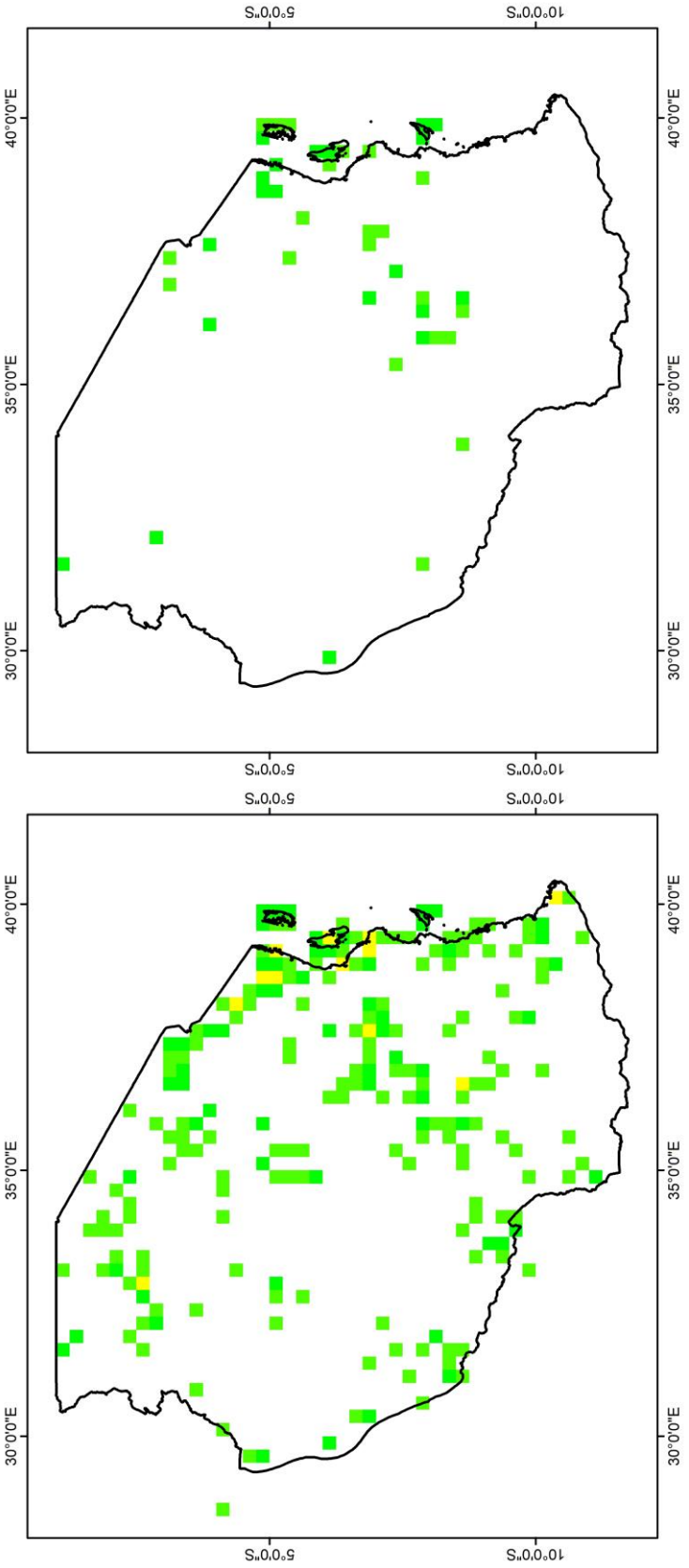

Species Richness maps for Tanzania
(left: all voucher specimens; right: voucher specimens collected since 1998).

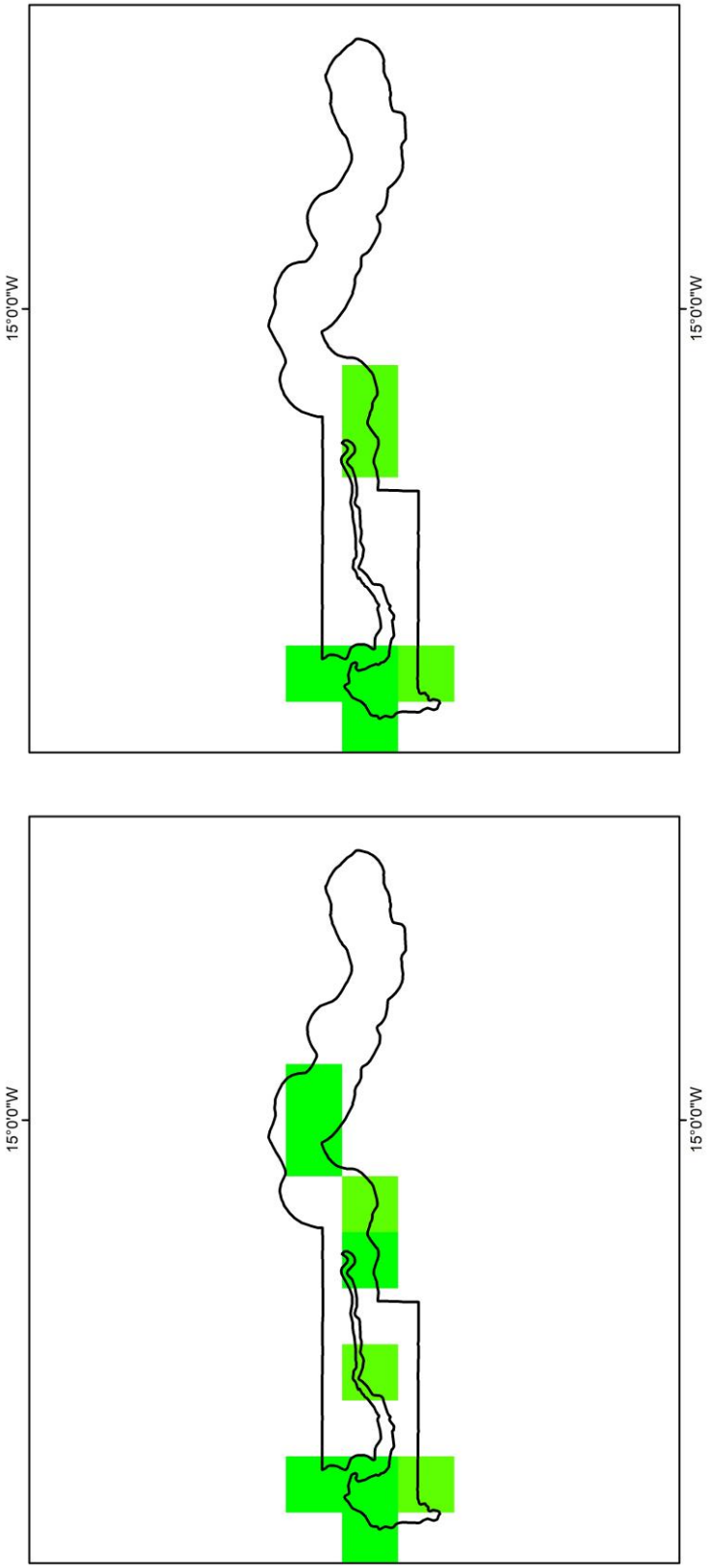

Species Richness maps for The Gambia
(left: all voucher specimens; right: voucher specimens collected since 1998).

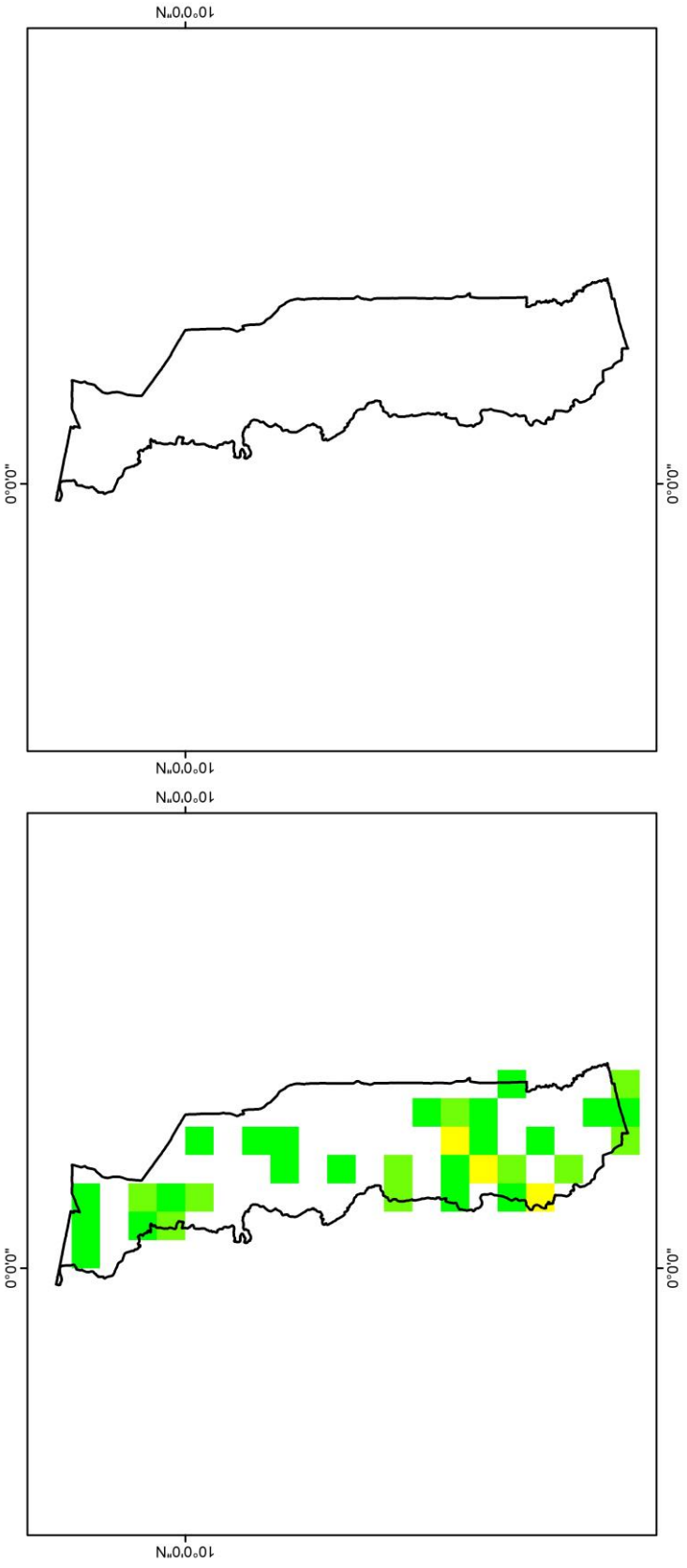

Species Richness maps for Togo
(left: all voucher specimens; right: voucher specimens collected since 1998).

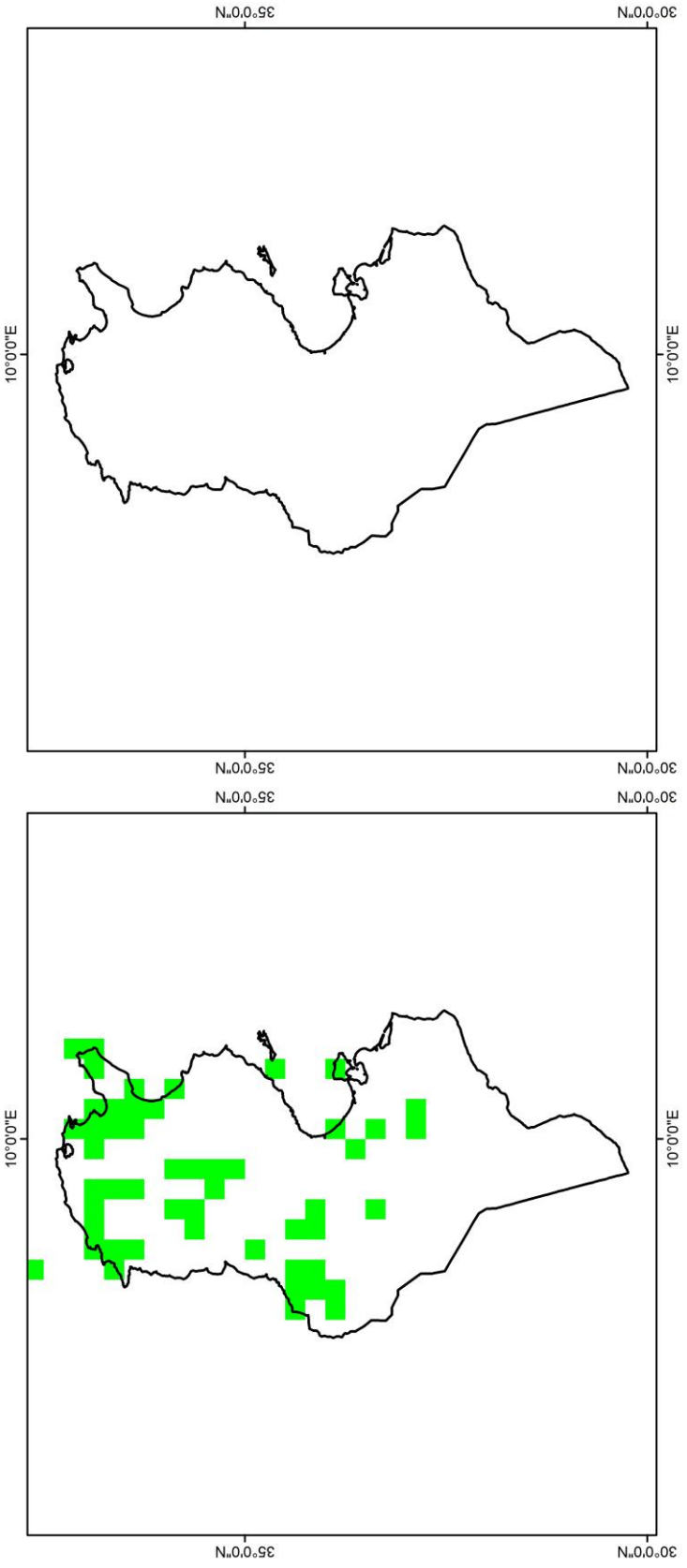

Species Richness maps for Tunisia
(left: all voucher specimens; right: voucher specimens collected since 1998).

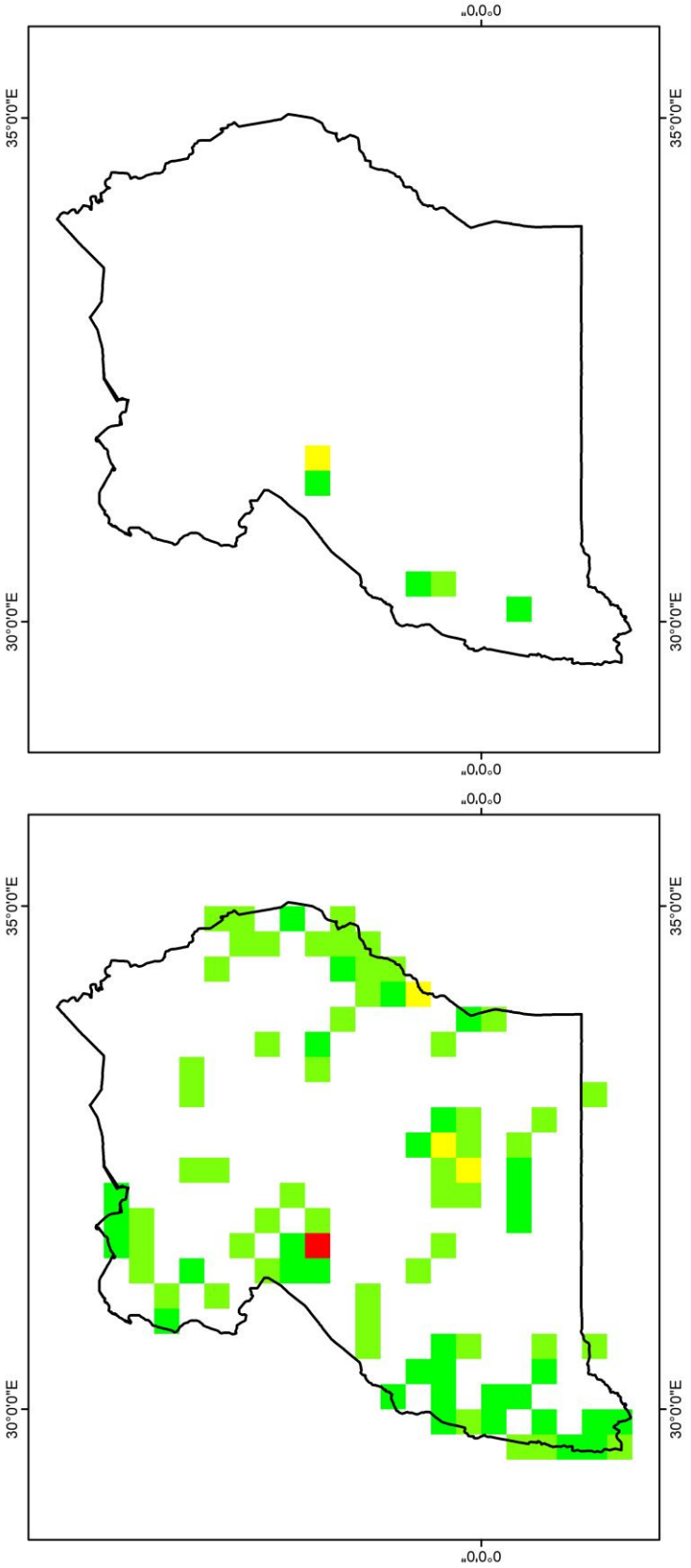

Species Richness maps for Uganda
(left: all voucher specimens; right: voucher specimens collected since 1998).

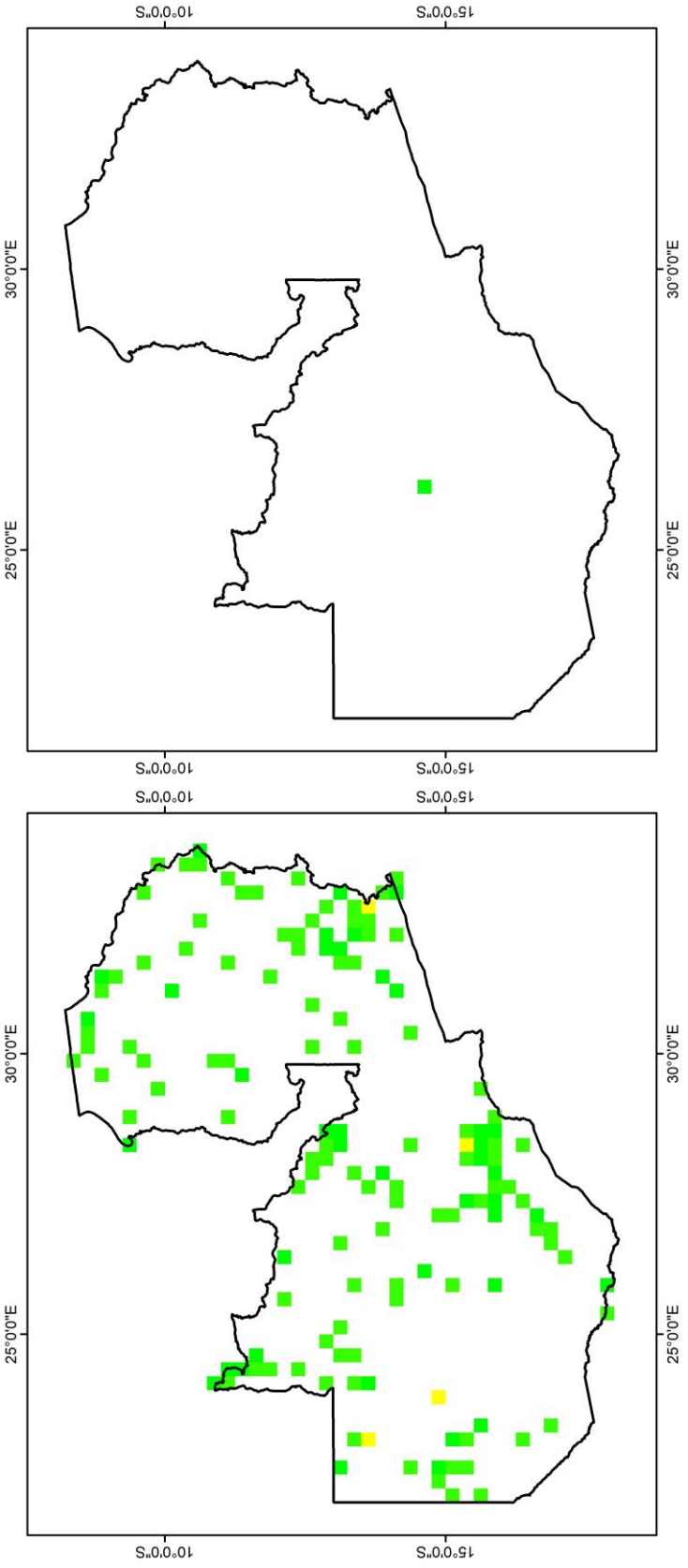

Species Richness maps for Zambia
(left: all voucher specimens; right: voucher specimens collected since 1998).

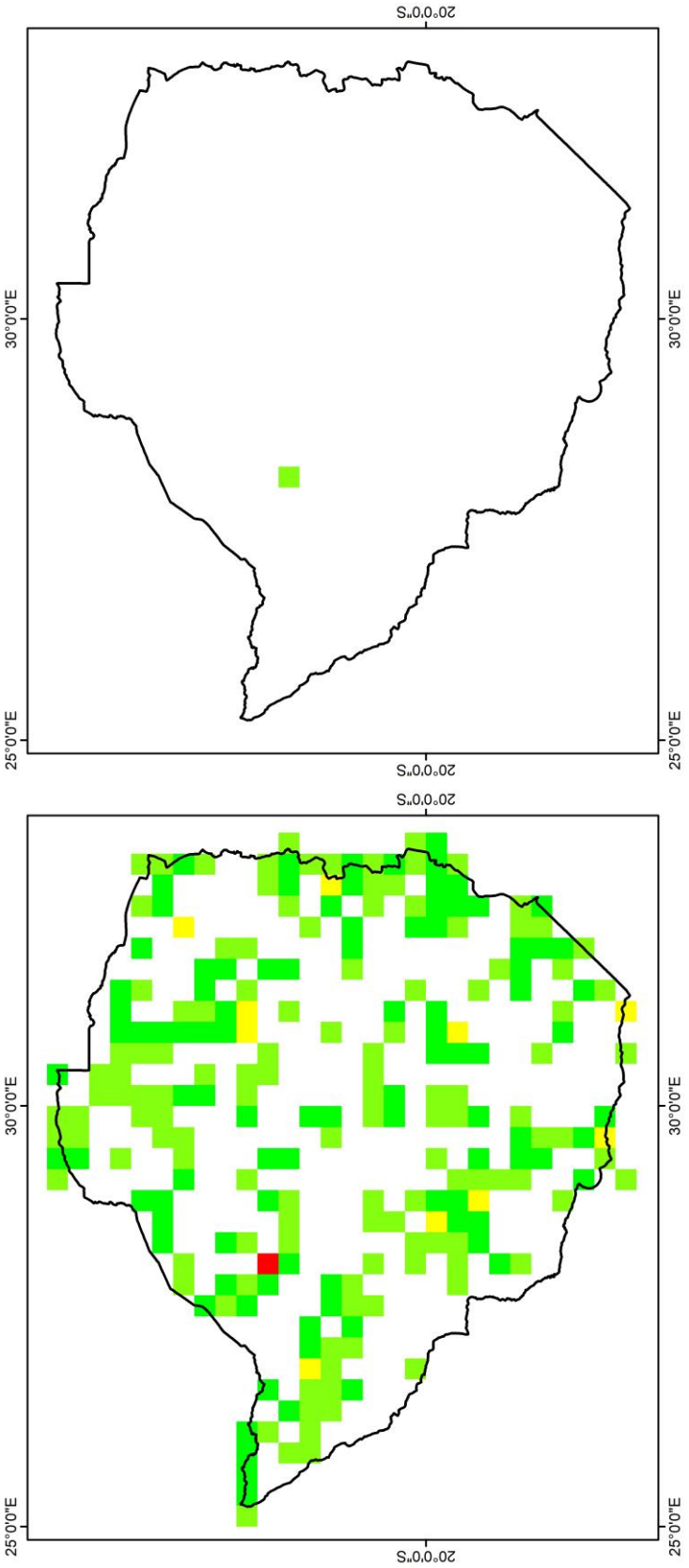

Species Richness maps for Zimbabwe
(left: all voucher specimens; right: voucher specimens collected since 1998).

Appendix 2i: Distribution per quarter degree

This appendix gives an overview of the voucher specimens included in our database for each square quarter degree.
The data are ordered from per square degree from left to right and from top to bottom (so from the NW corner of Africa to the SE corner). Within each square degree, the records are ordered from left to right and from top to bottom (grouped per 15' square). Within each quarter degree square, the records are further ordered by taxon, museum acronym and number. The museum numbers are colour coded to reflect the number of years ago the specimen was collected:
BLACK: no information
GREEN: less than 20 years
BLUE: between 20 and 50 years
ORANGE: between 50 and 100 years
RED: more than 100 years ago.

The quarter degree notation of coordinates is frequently used in publications on southern African mammals (e.g. Smithers, 1971; Rautenbach, 1982; Herselman and Norton, 1985) and has the form "**NNMMXy**" (or "**NN MM X y**"), where "**NN**" is the number of degrees South, "**MM**" the number of degrees East, "**X**" an indication for the half degree square in the one degree square, and "**y**" an indication for the quarter degree square in the half degree square. The "X" is generally an uppercase letter A through D, and the "y" can be an uppercase or a lowercase letter a through d (although some publications use the numbers 1 through 4 for "y").

The notation has one major drawback, as it doesn't allow for coding localities outside the South-East quadrant of the globe. Therefore, the coding has been modified into "**AA NNMMMXy**", where "**AA**" represents the quadrant (either NW, NE, SW, SE), "**NN**" represents the number of degrees North or South (depending on the quadrant code), "**MMM**" represents to number of degrees West or East (again depending on the quadrant code), but expanded to three digits, to accomodate degrees higher than 99. Although all African localities have longitudes less than 100, the extra digit was added to accomodate localities from other continents (if needed). "**X**" and "**y**" still represent the half and quarter degree squares, and are coded by respectively uppercase and lowercase letters A, B, C, or D.
For details on these squares, see the drawing below.

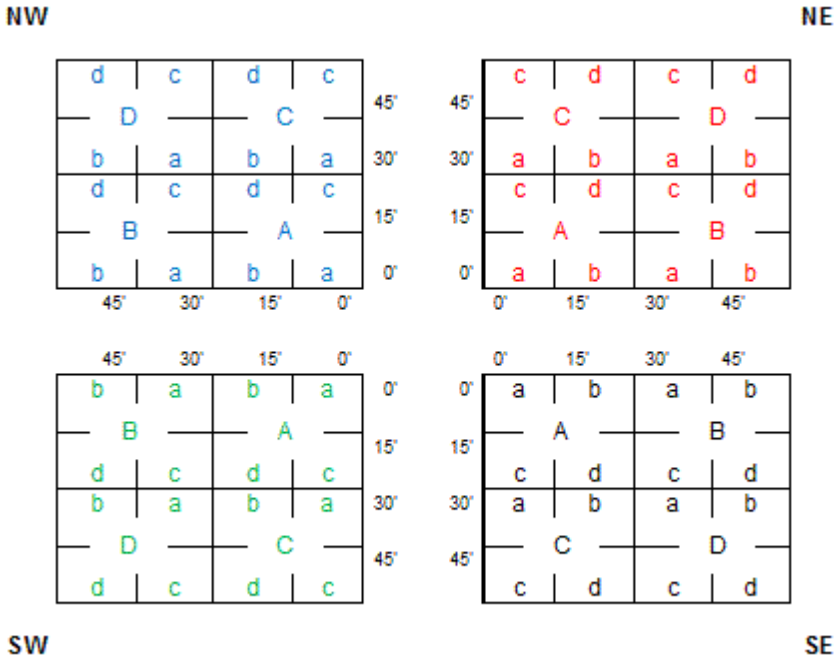

NW 38027Ca:

Nyctalus azoreum (Thomas, 1901):
USNM: 306299, 60645

NW 37025Cd:

Nyctalus azoreum (Thomas, 1901):
USNM: 152571

NW 37025Dc:

Nyctalus azoreum (Thomas, 1901):
BMNH: 1865.10.2.1. - **MNHN:** ZM-MO-1985-679. - **USNM:** 122490, 152570

NE 37008Cb:

Pipistrellus kuhlii (Kuhl, 1817):
SMF: 41617, 41618

NE 37010Aa:

Myotis punicus Felten, 1977:
TTU: 72448, 72449, 72450.
Pipistrellus kuhlii (Kuhl, 1817):
SMF: 11788, 11789

NE 37011Aa:

Miniopterus schreibersii (Kuhl, 1817):
ROM: 76030. - **TTU:** 72334, 72335, 72336, 72337, 72338, 72339.
Myotis Kaup, 1829:
ZMA: MAM.05490.
Myotis punicus Felten, 1977:
SMF: 18946, 18947, 18948, 18949, 18950, 18951, 18952, 18955, 18956, 18957, 18958, 18959, 18960, 18961, 18962, 18963, 18964, 22214, 22217, 22218, 22219, 22220, 43386, 43387, 43388, 43389, 43390, 43392, 43961, 43962, 43963, 43964, 43965, 43966, 43967, 43968, 44097, 44098, 44099, 44100, 44101, 44102, 44103, 44104, 44618. - **TTU:** 70953, 70954, 70955, 70956, 70957, 70958, 70959, 70960, 70961, 70962, 72409, 72410, 72411, 72412, 72413, 72414, 72415, 72416, 72417, 72418, 72419, 72420, 72421, 72422. - **WNMU:** 6067.
Plecotus christii Gray, 1838:
SMF: 22352.
Rhinolophus mehelyi Matschie, 1901:
ROM: 77837. - **TTU:** 72209, 72210, 72211, 72212, 72213, 72214, 72215, 72226, 72227, 72228, 72229, 72230, 72231, 72232, 72233, 72234, 72235, 72236, 72237, 72238, 72239, 72240, 72241, 72242, 72243, 72244, 72245. - **USNM:** 498999. - **ZMA:** MAM.17666

NE 36001Cb:

Pipistrellus pipistrellus (Schreber, 1774):
MHNG: 976.040

NE 36002Bb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 47763, 47764

NE 36002Bd:

Myotis punicus Felten, 1977:
MNHN: ZM-MO-1987-82, ZM-MO-1987-83.
Rhinolophus euryale Blasius, 1853:
MNHN: ZM-MO-1987-89.
Rhinolophus ferrumequinum (Schreber, 1774):
MNHN: ZM-2006-245

NE 36003Cc:

CHIROPTERA Blumenbach, 1779:
ZMB: 74753.
Eptesicus isabellinus (Temminck, 1840):
ZMB: 4791, 55185.
Miniopterus Bonaparte, 1837:
ZMB: 55119.
Myotis punicus Felten, 1977:

NMV: C30220.
Otonycteris hemprichii Peters, 1859:
ZMB: 74754, 74757, 74759, T10436.
Pipistrellus kuhlii (Kuhl, 1817):
ZMB: 8968.
Rhinolophus euryale Blasius, 1853:
ZMB: 12976.
Rhinolophus ferrumequinum (Schreber, 1774):
FMNH: 47759, 47760

NE 36003Dd:

Rhinolophus euryale Blasius, 1853:
MCZ: 8829

NE 36004Ac:

Hypsugo savii (Bonaparte, 1837):
HZM: 6.21813

NE 36005Ab:

Pipistrellus kuhlii (Kuhl, 1817):
CM: 79064.
Pipistrellus pipistrellus (Schreber, 1774):
HZM: 133.21855

NE 36005Ad:

Rhinolophus blasii Peters, 1867:
MUB: A391.
Rhinolophus hipposideros (Bechstein, 1800):
IVB: A204

NE 36005Cb:

Miniopterus schreibersii (Kuhl, 1817):
EBD: MAM 8915, MAM 8916, MAM 8917, MAM 8918, MAM 8919, MAM 8920, MAM 8921.
Myotis punicus Felten, 1977:
EBD: MAM 8922.
Rhinolophus blasii Peters, 1867:
MUB: A167, A171, A188, A189, A216, A221, A253, A255, A263, A264, A29, A371.
Rhinolophus euryale Blasius, 1853:
EBD: MAM 8923, MAM 8924, MAM 8925, MAM 8926, MAM 8927, MAM 8928, MAM 8929, MAM 8930, MAM 8931, MAM 8932, MAM 8933, MAM 8934, MAM 8935, MAM 8936, MAM 8937, MAM 8938, MAM 8939. - **MCZ:** 8828.
Rhinolophus ferrumequinum (Schreber, 1774):
EBD: MAM 8940

NE 36006Cb:

Pipistrellus kuhlii (Kuhl, 1817):
CM: 79063, 79097

NE 36006Bc:

Pipistrellus kuhlii (Kuhl, 1817):
ZFMK: 154, 155

NE 36007Ca:

Rhinolophus euryale Blasius, 1853:
MNHN: ZM-MO-1884-2004

NE 36007Cd:

Myotis punicus Felten, 1977:
ZMB: 29566, 29699, 29700

NE 36007Dd:

Plecotus teneriffae Barrett-Hamilton, 1907:
UANK: 12334/33, 12335/5.
Rhinolophus hipposideros (Bechstein, 1800):
MNHN: ZM-MO-1884-2006, ZM-MO-1884-2007

NE 36008Cb:

Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806):
TTU: 70972, 70973, 70974, 70975, 70976, 70977, 70978, 70979, 70980.
Rhinolophus euryale Blasius, 1853:
TTU: 70917, 70918, 70919, 70920, 70921, 70922, 70923, 70924, 70925, 70926, 70927, 70928, 70929, 70930, 70931.
Rhinolophus mehelyi Matschie, 1901:
MNHN: ZM-MO-1983-1932. - **TTU:** 70914

NE 36008Bc:

Miniopterus schreibersii (Kuhl, 1817):
TTU: 72329.
Myotis punicus Felten, 1977:
TTU: 72433, 72434, 72435.
Pipistrellus kuhlii (Kuhl, 1817):
TTU: 72479, 72480

NE 36008Da:

Myotis punicus Felten, 1977:
MNHN: ZM-MO-1909-12 A, ZM-MO-1909-12 B. - **TTU:** 72426, 72427, 72428, 72429, 72430, 72431, 72432.
Rhinolophus mehelyi Matschie, 1901:
MNHN: ZM-MO-1906-17

NE 36008Dc:

Miniopterus schreibersii (Kuhl, 1817):
TTU: 72351, 72352, 72353.
Rhinolophus euryale Blasius, 1853:
TTU: 72183, 72184, 72185, 72186.
Rhinolophus ferrumequinum (Schreber, 1774):
TTU: 72187.
Rhinolophus hipposideros (Bechstein, 1800):
MNHN: ZM-MO-1906-18

NE 36008Dd:

Miniopterus schreibersii (Kuhl, 1817):
TTU: 72354.
Myotis punicus Felten, 1977:
TTU: 72442, 72443.
Rhinolophus ferrumequinum (Schreber, 1774):
TTU: 72258, 72259, 72260, 72261, 72262.
Rhinolophus mehelyi Matschie, 1901:
TTU: 72265, 72266, 72267, 72268, 72269

NE 36009Cc:

Miniopterus schreibersii (Kuhl, 1817):
FMNH: 152901.
Myotis punicus Felten, 1977:
TTU: 72444.
Rhinolophus ferrumequinum (Schreber, 1774):
TTU: 72263.
Rhinolophus mehelyi Matschie, 1901:
FMNH: 152606

NE 36009Ad:

Miniopterus schreibersii (Kuhl, 1817):
TTU: 70985, 70986, 70987.
Myotis punicus Felten, 1977:
TTU: 70948, 70949, 70950, 70951, 70952.
Rhinolophus mehelyi Matschie, 1901:
TTU: 70909, 70910, 70911, 70912, 70913

NE 36009Cb:

Pipistrellus kuhlii (Kuhl, 1817):
TTU: 70981, 70982, 70983, 70984

NE 36009Cd:

Myotis punicus Felten, 1977:
TTU: 72446

NE 36009Dd:

Miniopterus Bonaparte, 1837:
ZMB: 11782, 11783, 55046, 74728, 74729, 74730, 74731, 74732, 74733, 74734, 74735, 74736.
Myotis capaccinii (Bonaparte, 1837):
ZMB: 74737, 74738, 74739, 74740, 74741, 74742.
Myotis punicus Felten, 1977:
ZMB: 11781, 53257, 53258, 53259, 53260, 53261, 53262, 53263, 53264, 53265, 53836, 59071, 59072, 59073, 59074, 59075, 59076, 59077, 59078, 59079, 59080, 59081, 59082, 59083, 59084, 59085, 59086, 59087, 59088, 59089, 59090, 59091, 59092, 59093, 59094, 59095, 59096, 64401, 64403, 64404, 64405, 64406, 64407, 64408, 64409, 64410, 64411, 64412, 64413, 64414, 64415, 64416, 64417, 64418, 64419, 64420, 64421.
Rhinolophus mehelyi Matschie, 1901:
ZMB: 12973, 12975

NE 36010Ac:

Eptesicus isabellinus (Temminck, 1840):
TTU: 72283, 72284, 72285, 72286, 72287, 72288.
Hypsugo savii (Bonaparte, 1837):
TTU: 72497, 72498.
Miniopterus schreibersii (Kuhl, 1817):
TTU: 72310, 72311, 72312, 72313, 72314, 72315, 72316, 72317, 72318, 72319, 72320, 72321, 72322, 72323, 72324, 72325, 72326, 72327, 72328, 72330, 72331, 72332, 72333.
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806):
TTU: 72453, 72454.
Myotis punicus Felten, 1977:
TTU: 72358, 72359, 72360, 72361, 72362, 72363, 72364, 72365, 72366, 72367, 72368, 72369, 72370.
Pipistrellus kuhlii (Kuhl, 1817):
HZM: 128.4438.
Rhinolophus blasii Peters, 1867:
TTU: 72157, 72158, 72159, 72160, 72161, 72162, 72163, 72164, 72165, 72166, 72167, 72168, 72169, 72170, 72171, 72172, 72173, 72174, 72175, 72176, 72177.
Rhinolophus ferrumequinum (Schreber, 1774):
TTU: 72199.
Rhinolophus hipposideros (Bechstein, 1800):
TTU: 72202, 72203, 72204, 72205, 72206, 72207, 72208.
Rhinolophus mehelyi Matschie, 1901:
TTU: 72246, 72247, 72248, 72249, 72250, 72251, 72252, 72253, 72254, 72255, 72256, 72257

NE 36010Ca:

Pipistrellus kuhlii (Kuhl, 1817):
TTU: 72476, 72477, 72478

NE 36010Cc:

Miniopterus schreibersii (Kuhl, 1817):
USNM: 122146, 122147, 122148, 122149.
Myotis punicus Felten, 1977:
FMNH: 89840, 89841, 89842, 89843, 89844, 89845, 89846. - **USNM:** 122160, 122161, 122162, 18527. - **ZMB:** 53218, 53219, 53220, 53221, 53222, 53223, 53224, 53225, 53226, 53227, 53228, 53229, 53230, 53231, 53232, 53233, 53234, 53235, 53236, 54955, 5844.
Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 89850. - **HNHM:** 2652.1. - **MNHN:** ZM-MO-1906-108, ZM-MO-1906-108 A, ZM-MO-1921-73 A, ZM-MO-1921-73 B, ZM-MO-1999-990. - **SMF:** 11790. - **TTU:** 72491. - **ZMB:** 54235.
Rhinolophus mehelyi Matschie, 1901:
FMNH: 89832

NE 36010Ab:

Pipistrellus kuhlii (Kuhl, 1817):
HZM: 130.4440

NE 36010Ad:

Myotis punicus Felten, 1977:
TTU: 72425

NE 36010Cb:

Eptesicus isabellinus (Temminck, 1840):
TTU: 72289, 72290, 72291.
Miniopterus schreibersii (Kuhl, 1817):
TTU: 72340, 72341, 72342, 72343, 72344, 72345, 72355, 72356.
Myotis capaccinii (Bonaparte, 1837):
FMNH: 152731, 152732, 152733. - **TTU:** 72455, 72456, 72457, 72458, 72459, 72460, 72461, 72462, 72463, 72464, 72465, 72466, 72467, 72468, 72469, 72470, 72471, 72472.
Myotis punicus Felten, 1977:
TTU: 72371, 72372, 72373, 72374, 72375, 72383, 72384, 72385, 72386, 72387, 72388, 72389, 72390, 72391.
Pipistrellus kuhlii (Kuhl, 1817):
TTU: 72474, 72490.
Pipistrellus pipistrellus (Schreber, 1774):
TTU: 72495, 72496, 956897, 956898.
Rhinolophus blasii Peters, 1867:
TTU: 72178, 72179, 72180, 72181, 72182.
Rhinolophus euryale Blasius, 1853:
RMCA: 91.090-M-0036.
Rhinolophus ferrumequinum (Schreber, 1774):
TTU: 72196.
Rhinolophus mehelyi Matschie, 1901:
TTU: 72264

NE 36010Cd:

Pipistrellus kuhlii (Kuhl, 1817):
SMF: 19551. - **ZFMK:** 1959.0269, 1959.0270, 1959.0271, 1959.0285, 1959.0286, 1959.0287, 1959.0288, 1959.0289

NE 36010Bc:

Miniopterus schreibersii (Kuhl, 1817):
FMNH: 89833, 89834, 89835, 89836.
Myotis punicus Felten, 1977:
FMNH: 89837, 89838, 89839.
Rhinolophus mehelyi Matschie, 1901:
FMNH: 89828, 89829, 89830, 89831

NE 36010Dd:

Myotis punicus Felten, 1977:
TTU: 72423, 72424.
Rhinolophus mehelyi Matschie, 1901:
TTU: 72216, 72217, 72218, 72219, 72220, 72221, 72222, 72223, 72224, 72225, 72270

NE 36011Cc:

Myotis punicus Felten, 1977:
TTU: 72447

NW 35006Aa:

Myotis punicus Felten, 1977:
USNM: 476366

NW 35005Aa:

Hypsugo savii (Bonaparte, 1837):
EBD: MAM 15294, MAM 15348, MAM 15349, MAM 15371.
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806):
EBD: MAM 8942.
Plecotus teneriffae Barrett-Hamilton, 1907:
EBD: MAM 15355, MAM 15357

NW 35005Ac:

Myotis punicus Felten, 1977:
EBD: MAM 15295

NW 35005Ab:

Barbastella barbastellus (Schreber, 1774):
EBD: MAM 8970.
Eptesicus isabellinus (Temminck, 1840):

EBD: MAM 8972, MAM 8973.
Miniopterus schreibersii (Kuhl, 1817):
USNM: 476719, 476720, 476721, 476722, 476723, 476724.
Myotis mystacinus (Kuhl, 1817):
EBD: MAM 13775, MAM 13776, MAM 13777, MAM 13778, MAM 15350, MAM 15354, MAM 15363, MAM 15364, MAM 15365.
Myotis punicus Felten, 1977:
EBD: MAM 13773, MAM 13774, MAM 13847, MAM 13848, MAM 13849, MAM 13850, MAM 13851, MAM 13852, MAM 13853, MAM 13854, MAM 15356. - **USNM:** 260655, 476325, 476326, 476327, 476328, 476329, 476330, 476331, 476332, 476333, 476334, 476335, 476336, 476337, 476338, 476339, 476340, 476341, 476342, 476343, 476344, 476345, 476346, 476347, 476348, 476349, 476350, 476351, 476352, 476353, 476354, 476355, 476356, 476939, 476940, 476941, 476963, 476964, 476965.
Nyctalus leisleri (Kuhl, 1817):
NMP: 93582.
Pipistrellus pipistrellus (Schreber, 1774):
EBD: MAM 13855.
Plecotus teneriffae Barrett-Hamilton, 1907:
EBD: MAM 8971.
Rhinolophus euryale Blasius, 1853:
USNM: 476254.
Rhinolophus hipposideros (Bechstein, 1800):
USNM: 476315

NW 35005Ad:

Hypsugo savii (Bonaparte, 1837):
USNM: 476626.
Pipistrellus kuhlii (Kuhl, 1817):
EBD: MAM 26022

NW 35005Cb:

Miniopterus schreibersii (Kuhl, 1817):
EBD: MAM 15297, MAM 15298, MAM 15299, MAM 15300, MAM 15352, MAM 15353, MAM 15367, MAM 15368, MAM 15369, MAM 15370, MAM 15514, MAM 15515. - **MNHN:** ZM-MO-1908-30 A, ZM-MO-1908-30 B, ZM-MO-1908-30 C.
Myotis punicus Felten, 1977:
EBD: MAM 15343, MAM 15345, MAM 15358, MAM 15359, MAM 15372, MAM 15417. - **MNHN:** ZM-MO-1908-32 A, ZM-MO-1908-32 B.
Rhinolophus euryale Blasius, 1853:
EBD: MAM 15373.
Rhinolophus ferrumequinum (Schreber, 1774):
EBD: MAM 15344.
Rhinolophus mehelyi Matschie, 1901:
EBD: MAM 15296, MAM 15341, MAM 15346, MAM 15347, MAM 15360. - **MNHN:** ZM-MO-1908-31 A, ZM-MO-1908-31 B

NW 35005Cd:

Myotis punicus Felten, 1977:
MNHN: ZM-MO-1904-464 B, ZM-MO-1907-623 A, ZM-MO-1907-623 B, ZM-MO-1907-623 C, ZM-MO-1907-623 D.
Rhinolophus ferrumequinum (Schreber, 1774):
MNHN: ZM-MO-1904-459

NW 35005Bc:

Nyctalus lasiopterus (Schreber, 1780):
EBD: MAM 15374.
Nyctalus leisleri (Kuhl, 1817):
EBD: MAM 15301, MAM 15302, MAM 15303, MAM 15304, MAM 15305, MAM 15306, MAM 15340, MAM 15342, MAM 15351, MAM 15361, MAM 15362, MAM 15366, MAM 15408, MAM 15409, MAM 15410, MAM 15411, MAM 15412, MAM 15413, MAM 15414, MAM 15510, MAM 15511, MAM 15512, MAM 15513, MAM 16786, MAM 16787, MAM 16788. - **NMP:** 90026.
Plecotus teneriffae Barrett-Hamilton, 1907:
EBD: MAM 15509

NW 35005Dd:

Miniopterus schreibersii (Kuhl, 1817):
EBD: MAM 28839, MAM 28840, MAM 28841, MAM 28842, MAM 28843. - **USNM:** 470712, 476697, 476698, 476699, 476700, 476701, 476702, 476703, 476704, 476705, 476706, 476707, 476708, 476709, 476710, 476711, 476712, 476713, 476714, 476715, 476716, 476717, 476718, 477024, 477025, 477026, 477042, 477043.
Myotis punicus Felten, 1977:
EBD: MAM 29741, MAM 29742, MAM 29743, MAM 29744, MAM 29745, MAM 29746, MAM 29747, MAM 29748, MAM 29749, MAM 29750, MAM 29751, MAM 29752, MAM 29753, MAM 29754, MAM 29755, MAM 29756, MAM 29757, MAM 29758, MAM 29759. - **MNHN:** ZM-MO-1904-464, ZM-MO-1904-464 A, ZM-MO-1904-464 C, ZM-MO-1904-464 D, ZM-MO-1904-464 F. - **USNM:** 470658, 470659, 470660, 470661, 470662, 470663, 470664, 470665, 470666, 470667, 470668, 470669, 470670, 470671, 470672, 470673, 470674, 470675, 470676, 470677, 470678, 470679, 470680, 470681, 470682, 470683, 470684, 470685, 470686, 470687, 470688, 470689, 470690, 470691, 470692, 476322, 476323, 476324, 476367, 476368, 476369,

476370, 476371, 476372, 476373, 476374, 476375, 476376, 476377, 476378, 476379, 476380, 476381, 476382, 476383, 476384, 476385, 476386, 476387, 476388, 476389, 476390, 476391, 476392, 476393, 476394, 476395, 476396, 476397, 476398, 476399, 476400, 476401, 476402, 476403, 476404, 476405, 476406, 476407, 476408, 476409, 476410, 476411, 476412, 476413, 476414, 476415, 476416, 476417, 476418, 476419, 476420, 476421, 476422, 476423, 476424, 476425, 476426, 476427, 476428, 476429, 476430, 476431, 476432, 476433, 476434, 476435, 476436, 476437, 476928, 476929, 476930, 476931, 476932, 476933, 476934, 476935, 476936, 476937, 476938, 476949, 476950, 476951, 476952, 476953, 476954, 476955, 476956, 476957, 476958, 476959, 476960, 476961, 476962, 520471.
Rhinolophus mehelyi Matschie, 1901:
FMNH: 47757, 47758. - **MNHN:** ZM-MO-1907-622 A, ZM-MO-1907-622 B, ZM-MO-1985-896, ZM-MO-1985-897, ZM-MO-1985-898, ZM-MO-1985-899, ZM-MO-1985-900, ZM-MO-1985-901, ZM-MO-1985-902, ZM-MO-1985-903, ZM-MO-1985-904. - **USNM:** 470608, 470609, 476225, 476226, 476227, 476228, 476229, 476230, 476231, 476232, 476233, 476234, 476235, 476236, 476237, 476238, 476239, 476240, 476241, 476242, 476243, 476244, 476245, 476246, 476247, 476248, 476249, 476250, 476251, 476252, 476253, 476859, 476860, 476861, 476862, 476863, 476864, 476868, 476869, 476870, 476871, 476872, 476873, 476874, 476875. - **ZMB:** 12967, 12969, 12970, 12971.
Rhinopoma cystops Thomas, 1903:
MNHN: ZM-MO-1987-114.
VESPERTILIONIDAE Gray, 1821:
MNHN: ZM-MO-1904-464 E

NW 35003Bb:

Miniopterus schreibersii (Kuhl, 1817):
USNM: 476725, 476726, 476727, 476728, 476729, 476730, 476731, 476732, 476733, 476734, 476735, 476736, 476737, 476738, 476739, 476740, 476741, 476742, 476743, 476744, 476745, 476746, 476747, 476748, 476749, 476750, 476751, 476752, 476753, 476754, 477027, 477028, 477044.
Myotis punicus Felten, 1977:
EBD: MAM 9733, MAM 9734, MAM 9735, MAM 9736, MAM 9737. - **USNM:** 476440, 476441, 476442, 476443, 476444, 476445, 476446, 476447, 476448, 476449, 476450, 476451, 476452, 476453, 476454, 476455, 476456, 476457, 476458, 476459, 476460, 476461, 476462, 476463, 476464, 476465, 476466, 476467, 476468, 476469, 476470, 476471, 476472, 476473, 476474, 476475, 476476, 476477, 476478, 476479, 476480, 476481, 476482, 476483, 476484, 476485, 476486, 476942, 476943, 476944, 476945, 476966, 476967, 476968, 476969.
Rhinolophus hipposideros (Bechstein, 1800):
USNM: 476316, 476317, 476318, 476319, 476920, 476921

NW 35002Bb:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 476549, 476550, 476551, 476552, 476553, 476554, 476555, 476556, 476557, 476558, 476559, 476560, 476561, 476562, 476563, 476564, 476565, 476566, 476567, 476568, 476569, 476570, 476571, 476572, 476573, 476574, 476575, 476576, 476577, 476578, 476583, 476584, 476585, 476586, 476587, 476588, 476589, 476590, 476591, 476592, 476593, 476594, 476595, 476596, 476597, 476598, 476599, 476600, 476601, 476602, 476603, 476604, 476605, 476606, 476607, 476608, 476625, 477014, 477015, 477016, 477017, 477018, 477019, 576115

NW 35001Ad:

Myotis punicus Felten, 1977:
MNHN: ZM-MO-1938-1307

NW 35000Ca:

Rhinolophus blasii Peters, 1867:
ISEA: 10071. - **MUB:** A198.
Rhinolophus hipposideros (Bechstein, 1800):
ISEA: 9588, 9664

NW 35000Cb:

Pipistrellus kuhlii (Kuhl, 1817):
HZM: 245.22533

NW 35000Da:

Eptesicus isabellinus (Temminck, 1840):
HZM: 53.22530. - **MNHN:** ZM-MO-1985-659.
Miniopterus schreibersii (Kuhl, 1817):
MNHN: ZM-MO-1950-884.
Myotis punicus Felten, 1977:
MNHN: ZM-MO-1950-881.
Pipistrellus kuhlii (Kuhl, 1817):
HZM: 235.21856, 236.21857, 237.21858, 238.21874, 239.21875, 246.22534, 247.22535, 248.22536. - **MNHN:** ZM-MO-1985-1031, ZM-MO-1985-660. - **ZMB:** 14999.
Rhinolophus ferrumequinum (Schreber, 1774):
MNHN: ZM-MO-1985-658.
Rhinolophus hipposideros (Bechstein, 1800):
ISEA: 9587

NW 35000Db:

Rhinolophus hipposideros (Bechstein, 1800):
EBD: MAM 8941

NE 35001Dc:

Myotis punicus Felten, 1977:
MNHN: ZM-MO-1983-510.
Pipistrellus kuhlii (Kuhl, 1817):
MNHN: ZM-MO-1985-954

NE 35002Dc:

Rhinolophus ferrumequinum (Schreber, 1774):
MNHN: ZM-MO-1991-345

NE 35002Bd:

Pipistrellus kuhlii (Kuhl, 1817):
CM: 79062, 79073, 79078, 79081, 79082, 79083, 79084, 79085, 79086, 79087, 79088, 79089, 79090, 79091, 79092

NE 35004Da:

Pipistrellus kuhlii (Kuhl, 1817):
CM: 79066, 79067

NE 35006Aa:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1992-1886

NE 35008Db:

Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806):
TTU: 72451, 72452.
Rhinolophus ferrumequinum (Schreber, 1774):
TTU: 72192, 72193, 72194

NE 35009Ca:

Miniopterus schreibersii (Kuhl, 1817):
TTU: 72292, 72293, 72294, 72295, 72296, 72297, 72298, 72299, 72300, 72301, 72302, 72303, 72304, 72305, 72306, 72307, 72308, 72309.
Myotis punicus Felten, 1977:
TTU: 72392, 72393, 72394, 72395, 72396.
Rhinolophus ferrumequinum (Schreber, 1774):
TTU: 72188, 72189, 72190, 72191

NE 35009Cc:

Myotis punicus Felten, 1977:
TTU: 72436, 72437, 72438, 72439, 72440, 72441

NE 35009Ad:

Eptesicus isabellinus (Temminck, 1840):
TTU: 72276, 72277, 72278, 72279, 72280, 72281, 72282.
Miniopterus schreibersii (Kuhl, 1817):
TTU: 72357.
Myotis punicus Felten, 1977:
TTU: 72376, 72377, 72378, 72379, 72380, 72381, 72382.
Pipistrellus kuhlii (Kuhl, 1817):
TTU: 72493, 72494

NE 35009Ba:

Eptesicus isabellinus (Temminck, 1840):
MNHN: ZM-MO-1985-1983

NE 35009Bc:

Myotis punicus Felten, 1977:
TTU: 72445.
Pipistrellus kuhlii (Kuhl, 1817):
TTU: 72475

NE 35009Da:

Myotis punicus Felten, 1977:
TTU: 72397, 72398, 72399

NE 35009Dc:

Miniopterus schreibersii (Kuhl, 1817):
TTU: 70988, 70989, 70990, 70991.
Myotis punicus Felten, 1977:
TTU: 70963, 70964, 70965, 70966, 70967, 70968, 70969, 70970, 70971.
Rhinolophus Lacépède, 1799:
TTU: 70915, 70916

NE 35010Dc:

Rhinolophus hipposideros (Bechstein, 1800):
MNHN: ZM-MO-1983-1641, ZM-MO-1983-1642, ZM-MO-1983-1643

NW 34006Bb:

Eptesicus isabellinus (Temminck, 1840):
ZMA: MAM.25603, MAM.25604.
Rhinolophus hipposideros (Bechstein, 1800):
MNHN: 833, 919

NW 34005Dc:

Rhinolophus hipposideros (Bechstein, 1800):
USNM: 476320

NW 34004Aa:

Pipistrellus kuhlii (Kuhl, 1817):
EBD: MAM 16032.
Pipistrellus pipistrellus (Schreber, 1774):
EBD: MAM 15593, MAM 15614.
Plecotus teneriffae Barrett-Hamilton, 1907:
NMW: 27933. - **USNM:** 476649, 476650

NW 34004Ad:

Plecotus teneriffae Barrett-Hamilton, 1907:
NMW: 27934

NW 34004Cb:

Pipistrellus kuhlii (Kuhl, 1817):
EBD: MAM 26026

NW 34004Ba:

Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014:
NMP: 90103.
Nyctalus leisleri (Kuhl, 1817):
NMP: 90100, 90101, 90102

NW 34004Bd:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 476616, 476617, 476618, 476619, 476620, 476621, 476622, 476623, 476624.
Pipistrellus pipistrellus (Schreber, 1774):
USNM: 476609, 476610, 476611, 476612, 476613, 476614, 476615

NW 34004Aa:

Miniopterus schreibersii (Kuhl, 1817):
MHNG: 1625.052.
Myotis punicus Felten, 1977:
AMNH: 217027. - **BRTC:** 26834, 26835

NW 34002Cd:

Eptesicus isabellinus (Temminck, 1840):
NMP: 90086, 90087.
Miniopterus schreibersii (Kuhl, 1817):
EBD: MAM 15431, MAM 15524, MAM 15526, MAM 15527, MAM 15534, MAM 15535, MAM 15536, MAM 15537, MAM 15595, MAM 15596, MAM 15597, MAM 15598, MAM 15599, MAM 15600, MAM 15601, MAM 15602, MAM 15603, MAM 15616, MAM 15617, MAM 15618, MAM 15619. - **USNM:** 476755, 476756, 476757, 476758, 476759, 476760, 476761, 476762, 476763, 476764, 476765, 476766, 476767, 476768, 476769, 476770, 476771, 476772, 476773, 476774, 476775, 476776, 476777, 476778, 476779, 477029, 477030, 477031, 477032, 477033, 477034, 477035, 477036, 477037, 477038, 477045, 477046, 477047, 477048, 477049, 477050, 477051.
Myotis capaccinii (Bonaparte, 1837):
EBD: MAM 15528, MAM 15533, MAM 15594, MAM 15615. - **USNM:** 476539, 476540, 476541, 476542, 476543, 476544, 476545, 476546, 476925.
Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806):
MNHN: ZM-MO-1985-1564.
Myotis punicus Felten, 1977:
EBD: MAM 15525, MAM 15529, MAM 15530, MAM 15531, MAM 15532, MAM 15584, MAM 15585, MAM 15586, MAM 15587, MAM 15588, MAM 15589, MAM 15590, MAM 15591, MAM 15592, MAM 15604, MAM 15605, MAM 15606, MAM 15607, MAM 15608, MAM 15609, MAM 15610, MAM 15611, MAM 15612, MAM 15613. - **MNHN:** ZM-MO-1985-1563. - **USNM:** 476487, 476488, 476489, 476490, 476491, 476492, 476493, 476494, 476495, 476496, 476497, 476498, 476499, 476500, 476501, 476502, 476503, 476504, 476505, 476506, 476507, 476508, 476509, 476510, 476511, 476512, 476513, 476514, 476515, 476516, 476517, 476518, 476519, 476520, 476521, 476522, 476523, 476524, 476525, 476526, 476527, 476528, 476529, 476530, 476531, 476535, 476536, 476537, 476538, 476946, 476947, 476948, 476970, 476971, 476972, 476973, 476974.
Pipistrellus kuhlii (Kuhl, 1817):
MNHN: ZM-MO-1985-1578, ZM-MO-1985-1931.
Pipistrellus pipistrellus (Schreber, 1774):
MNHN: ZM-MO-1985-1568.
Rhinolophus euryale Blasius, 1853:
MNHN: ZM-MO-1985-1534, ZM-MO-1985-1535. - **USNM:** 476255, 476256, 476257, 476258, 476259, 476260, 476261, 476262, 476263, 476264, 476265, 476266, 476267, 476268, 476269, 476270, 476271, 476272, 476273, 476274, 476275, 476276, 476277, 476278, 476279, 476280, 476281, 476282, 476283, 476284, 476285, 476286, 476287, 476288, 476289, 476290, 476291, 476292, 476887, 476888, 476889, 476890, 476891, 476892, 476893, 476894, 476895, 476896, 476897, 476898, 476899, 476900, 476901, 476902, 476903, 476904, 476905, 476906, 476907, 577666.
Rhinolophus ferrumequinum (Schreber, 1774):
MNHN: ZM-MO-1985-906, ZM-MO-1985-907, ZM-MO-1985-908. - **USNM:** 476307, 476308, 476309, 476310, 476311, 476916, 476918. - **ZMA:** MAM.25130.
Rhinolophus hipposideros (Bechstein, 1800):
MNHN: ZM-MO-1985-1531.
Rhinolophus mehelyi Matschie, 1901:
MNHN: ZM-MO-1985-1532, ZM-MO-1985-1533. - **USNM:** 476865

NW 34002Bd:

Pipistrellus rueppellii (Fischer, 1829):
NMP: 90080

NW 34001Cb:

Pipistrellus pipistrellus (Schreber, 1774):
HZM: 132.21854.
Rhinolophus hipposideros (Bechstein, 1800):
ISEA: 9586. - **IVB:** A237

NE 34003Ac:

Rhinolophus mehelyi Matschie, 1901:
MNHN: ZM-2006-249

NE 34003Ca:

Pipistrellus kuhlii (Kuhl, 1817):
ZFMK: 1954.0002

NE 34005Da:

Pipistrellus kuhlii (Kuhl, 1817):
ZMB: T09570.

Plecotus teneriffae Barrett-Hamilton, 1907:
BMNH: 1912.11.14.3

NE 34005Dc:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
SMF: 11876.
Pipistrellus kuhlii (Kuhl, 1817):
ZFMK: 1977.1001, 1977.1002, 1977.1003. - **ZMB:** 17547, 17548, 17549. - **ZMH:** 23986, 23986a, 23986b, 23986c, 23986d, 23986e, 23986f, 23986g, 23986h, 23986i, 23986j.
Rhinolophus hipposideros (Bechstein, 1800):
ZMB: 17550

NE 34005Bd:

Pipistrellus kuhlii (Kuhl, 1817):
MNHN: ZM-MO-1985-1029, ZM-MO-1985-1030

NE 34005Dd:

Eptesicus isabellinus (Temminck, 1840):
USNM: 175049, 175050, 175051, 175052, 175053, 175054, 175055, 175056, 175057.
Pipistrellus kuhlii (Kuhl, 1817):
USNM: 175025, 175026, 175027, 175028, 175029, 175030, 175031, 175032, 175033, 175034, 175035, 175036, 175037, 175038, 175039, 175040, 175041, 175042, 175043, 175044, 175045, 175046, 175047, 175048

NE 34007Bd:

Pipistrellus kuhlii (Kuhl, 1817):
TTU: 72492

NE 34008Ac:

Eptesicus isabellinus (Temminck, 1840):
TTU: 72274, 72275.
Miniopterus schreibersii (Kuhl, 1817):
TTU: 72346, 72347, 72348, 72349, 72350.
Plecotus christii Gray, 1838:
FMNH: 152778, 152779.
Plecotus teneriffae Barrett-Hamilton, 1907:
TTU: 63097, 63098, 63099, 63100, 63101, 63102, 63103, 63104, 63105, 63106, 63107, 63108, 63109, 63110, 63111, 63112, 63113, 63114.
Rhinolophus ferrumequinum (Schreber, 1774):
TTU: 72197, 72198.
Rhinopoma cystops Thomas, 1903:
MNHN: ZM-MO-1983-1645

NE 34008Ab:

Rhinopoma cystops Thomas, 1903:
TTU: 70907, 70908

NE 34008Ad:

Pipistrellus kuhlii (Kuhl, 1817):
UCM: 14840, 14841, 19864, 19865, 19866.
Rhinopoma cystops Thomas, 1903:
MNHN: ZM-MO-1983-1644

NE 34008Dc:

Myotis punicus Felten, 1977:
MNHN: ZM-MO-1884-2017.
Rhinolophus ferrumequinum (Schreber, 1774):
MNHN: ZM-MO-1885-2005

NE 34008Bd:

Myotis punicus Felten, 1977:
MNHN: ZM-MO-1884-2016. - **ZMB:** 64422, 64423.
Rhinolophus mehelyi Matschie, 1901:
ZMB: 50137, 50138

NE 34009Aa:

Plecotus teneriffae Barrett-Hamilton, 1907:
TTU: 63115, 63116, 63117, 63118, 63119, 63120, 63121

NE 34010Db:

Myotis punicus Felten, 1977:
FMNH: 89847, 89848, 89849

NW 33007Cc:

Pipistrellus kuhlii (Kuhl, 1817):
ROM: 53966, 53967

NW 33007Cb:

Eptesicus isabellinus (Temminck, 1840):
MNHN: ZM-MO-1985-1051

NW 33007Da:

Myotis punicus Felten, 1977:
EBD: MAM 26025.
Rhinolophus euryale Blasius, 1853:
EBD: MAM 26024

NW 33006Cd:

Myotis emarginatus (E. Geoffroy St.-Hilaire, 1806):
USNM: 476547, 476548, 476926.
Myotis punicus Felten, 1977:
USNM: 476364, 476365.
Rhinolophus ferrumequinum (Schreber, 1774):
USNM: 476303, 476304, 476305, 476306, 476915, 476917.
Rhinolophus hipposideros (Bechstein, 1800):
USNM: 476314

NW 33006Bc:

Rhinolophus ferrumequinum (Schreber, 1774):
USNM: 470603, 470604, 470605, 470606

NW 33006Dc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 476203, 476204, 476205, 476206, 476207, 476208, 476878.
Rhinolophus hipposideros (Bechstein, 1800):
USNM: 476312, 476313, 476919

NW 33005Aa:

Nyctalus leisleri (Kuhl, 1817):
NMP: 90034, 94537, 94538.
Pipistrellus pipistrellus (Schreber, 1774):
NMP: 94540, 94541, 94542, 94543, 94544, 94545, 94546

NW 33005Ca:

Myotis punicus Felten, 1977:
RMCA: 76.018-M-0009

NW 33005Cc:

Myotis Kaup, 1829:
EBD: MAM 26023.
Myotis punicus Felten, 1977:
EBD: MAM 13790, MAM 13791, MAM 13792, MAM 13793, MAM 13794, MAM 13795, MAM 13796, MAM 13797, MAM 13798, MAM 13799, MAM 13800, MAM 13801, MAM 13802, MAM 13803, MAM 13804, MAM 13805, MAM 13806, MAM 13807, MAM 13808, MAM 13809, MAM 13810, MAM 13811, MAM 13812, MAM 13813, MAM 13814, MAM 13815, MAM 13816, MAM 13817, MAM 13818, MAM 13819, MAM 13820, MAM 13821, MAM 13822, MAM 13823, MAM 13824, MAM 13825, MAM 13826, MAM 13827, MAM 13828, MAM 13829, MAM 13830, MAM 13831, MAM 13832, MAM 13833, MAM 13834, MAM 13835, MAM 13836, MAM 13837, MAM 13838, MAM 13839, MAM 13840, MAM 13841, MAM 13842, MAM 13843, MAM 13844, MAM 13845, MAM 13846.

Nyctalus leisleri (Kuhl, 1817):
EBD: MAM 13782, MAM 13783, MAM 13784, MAM 13785, MAM 13786, MAM 13787, MAM 13788, MAM 13789

NW 33005Ad:

Barbastella barbastellus (Schreber, 1774):
EBD: MAM 25851.
Myotis mystacinus (Kuhl, 1817):
EBD: MAM 25848.
Myotis punicus Felten, 1977:
MNHN: ZM-MO-1950-140, ZM-MO-1950-140 B.
Pipistrellus kuhlii (Kuhl, 1817):
EBD: MAM 26021

NW 33005Dc:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-956, ZM-MO-1985-957, ZM-MO-1985-958, ZM-MO-1985-959, ZM-MO-1985-960, ZM-MO-1985-961, ZM-MO-1985-962, ZM-MO-1985-963, ZM-MO-1985-964, ZM-MO-1985-965, ZM-MO-1985-966, ZM-MO-1985-967, ZM-MO-1985-968, ZM-MO-1985-969, ZM-MO-1985-970, ZM-MO-1985-971, ZM-MO-1985-972, ZM-MO-1985-973

NW 33004Aa:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 478315, 478316, 478317, 478318, 520473, 520474, 520475

NW 33004Cc:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 470698, 470699, 470700, 476975, 476976, 476977, 476978, 476979, 476980, 476981, 476982, 476983, 476984, 476985, 476986, 476987, 476988, 476989, 476993, 476994, 476995, 476996, 476997, 476998, 476999, 477000, 477001, 477002, 477003, 477004, 477005, 477006, 477007, 477008, 477009, 477010, 477011, 477012, 520472.
Plecotus teneriffae Barrett-Hamilton, 1907:
USNM: 470710, 470711.
Rhinolophus Lacépède, 1799:
MNHN: ZM-MO-1985-910, ZM-MO-1985-911, ZM-MO-1985-912, ZM-MO-1985-913, ZM-MO-1985-914, ZM-MO-1985-915, ZM-MO-1985-916, ZM-MO-1985-917, ZM-MO-1985-918

NW 33003Bb:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 476579, 476580

NE 33001Ab:

Otonycteris hemprichii Peters, 1859:
ISEA: 9592.
Rhinolophus hipposideros (Bechstein, 1800):
ISEA: 9584, 9585

NE 33002Dd:

Eptesicus isabellinus (Temminck, 1840):
MNHN: ZM-MO-1884-2014

NE 33006Ca:

Pipistrellus kuhlii (Kuhl, 1817):
MNHN: ZM-2006-252, ZM-MO-1983-664, ZM-MO-1985-1709

NE 33007Ca:

Pipistrellus kuhlii (Kuhl, 1817):
RBINS: 17257

NE 33007Dd:

Pipistrellus kuhlii (Kuhl, 1817):
TTU: 72481, 72482, 72483, 72484, 72485, 72486, 72487

NE 33008Cc:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
SMF: 21144, 21145, 21146, 21147, 21148, 21149, 21150, 21151, 21154, 21155, 21156, 21157, 21160, 21162, 21163, 21164, 21165, 21167, 21168, 21169, 21170, 21172, 21176, 21177, 21178, 21179, 21180, 21181, 21183, 21184, 21185, 21186, 21187, 21189, 21190, 21191, 21192, 21194, 21195, 21196, 21197, 21198, 21199, 21200, 21201, 21202, 21203, 21204, 21205, 21206, 21207, 21208, 21209, 21210, 21211, 21212, 21216, 21218, 21219, 21220, 21221, 21222, 21223, 21224, 21225, 21226, 21227, 21228, 21229, 21230, 21231, 21232, 21233, 21234

NE 33009Ca:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1884-2020.
Pipistrellus kuhlii (Kuhl, 1817):
MNHN: ZM-MO-1884-2010, ZM-MO-1884-2011. - **SMF:** 41619, 41620, 41621

NE 33009Db:

Pipistrellus rueppellii (Fischer, 1829):
ZFMK: 1991.0063

NE 33010Aa:

Pipistrellus kuhlii (Kuhl, 1817):
MHNG: 1684.056

NE 33010Ac:

Myotis punicus Felten, 1977:
TTU: 72400, 72401, 72402, 72403, 72404, 72405, 72406, 72407, 72408.
Plecotus teneriffae Barrett-Hamilton, 1907:
TTU: 63122, 63123, 63124, 63125, 63126, 63127, 63128, 63129, 63130, 63131, 63132.
Rhinolophus ferrumequinum (Schreber, 1774):
TTU: 72200

NE 33010Cc:

Eptesicus isabellinus (Temminck, 1840):
ZMB: 54517, 54569.
Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 89851, 89852. - **MHNG:** 921.016. - **TTU:** 72473

NE 33010Dd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1911-1752, ZM-MO-1911-1753.
Pipistrellus kuhlii (Kuhl, 1817):
MNHN: ZM-MO-1911-1750.
Pipistrellus pipistrellus (Schreber, 1774):
MNHN: ZM-MO-1911-1751

NW 32016Db:

Pipistrellus maderensis (Dobson, 1878):
MMF: 44313

NW 32017Ca:

Nyctalus leisleri (Kuhl, 1817):
BMNH: 1907.1.1.392. - **MNHN:** ZM-MO-1959-170, ZM-MO-1959-171.
Pipistrellus maderensis (Dobson, 1878):
BMNH: 1855.8.16.34, 1986.528.
Plecotus teneriffae Barrett-Hamilton, 1907:
MNHN: ZM-MO-1959-169

NW 32009Ab:

Myotis punicus Felten, 1977:
USNM: 476361, 476362, 476363, 476927.
Rhinolophus mehelyi Matschie, 1901:
USNM: 476209, 476210, 476211, 476212, 476213, 476214, 476215, 476857

NW 32007Da:

Miniopterus schreibersii (Kuhl, 1817):
USNM: 476651, 476652, 476653, 476654, 476655, 476656, 476657, 476658, 476659, 476660, 476661, 476662, 476663, 476664, 476665, 476666, 476667, 476668, 476669, 476670, 476671, 476672, 476673, 476674, 476675, 476676, 476677, 476678, 476679, 476680, 476681, 476682, 476683, 476684, 476685, 476686, 476687, 476688, 476689, 476690, 476691, 476692, 476693, 476694, 476695, 476696, 477022, 477023, 477039, 477040, 477041.
Rhinolophus mehelyi Matschie, 1901:
USNM: 476216, 476217, 476218, 476219, 476220, 476221, 476222, 476223, 476224, 476858, 476866, 476867

NW 32003Ca:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 476581, 476582, 478319

NW 32003Bb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
EBD: MAM 25778.
Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014:
EBD: MAM 25780. - **NMP:** 94426, 94505, 94506, 94507, 94508, 94509, 94510, 94511, 94512, 94513, 94514, 94515.
Miniopterus schreibersii (Kuhl, 1817):
NMP: pb3906, pb3908, pb3909, pb3910, pb3911, pb3912, pb3913, pb3914, pb3916, pb3917.
Myotis punicus Felten, 1977:
EBD: MAM 25779.
Pipistrellus kuhlii (Kuhl, 1817):
EBD: MAM 25783.
Pipistrellus rueppellii (Fischer, 1829):
EBD: MAM 25782, MAM 25850.
Plecotus teneriffae Barrett-Hamilton, 1907:
EBD: MAM 25781. - **NMW:** 27935, 27936, 27937, 27938, 27939, 27940, 27941, 27942, 27943, 27944.
Rhinolophus blasii Peters, 1867:
EBD: MAM 25768, MAM 25769, MAM 25770, MAM 25771, MAM 25772, MAM 25773, MAM 25774, MAM 25775, MAM 25776, MAM 25777. - **NMP:** 94494, 94495, 94496, 94497, 94498, 94499, 94500, 94501, 94521, 94533. - **NMW:** 28022, 28023, 28024, 28025, 28026, 28027, 28028, 28029, 28030, 28031, 28032, 28033, 28034, 28035, 28036, 28037, 28038, 28039, 28040, 28041, 28042, 28043, 28044, 28045, 28046, 28047, 28049, 28050, 28051, 28052, 28053, 28054, 28055, 28056, 28057, 28058.
Rhinolophus hipposideros (Bechstein, 1800):
EBD: MAM 25784. - **NMP:** 94519, 94520.
Rhinopoma microphyllum (Brünnich, 1782):
EBD: MAM 25849.
Tadarida teniotis (Rafinesque, 1814):
EBD: MAM 25785

NW 32001Aa:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-1498, ZM-MO-1985-1499, ZM-MO-1985-1912.
Eptesicus isabellinus (Temminck, 1840):
BMNH: 1963.1585, 1963.1586.
Hypsugo savii (Bonaparte, 1837):
BMNH: 1963.1587, 1963.1588, 1963.1589.
Pipistrellus kuhlii (Kuhl, 1817):
BMNH: 1963.1590.
Plecotus teneriffae Barrett-Hamilton, 1907:
BMNH: 1963.1591.
Rhinolophus euryale Blasius, 1853:
MNHN: ZM-MO-1985-1529.
Rhinolophus hipposideros (Bechstein, 1800):
MNHN: ZM-MO-1985-1530.
Tadarida teniotis (Rafinesque, 1814):
BMNH: 1963.1581, 1963.1582, 1963.1583, 1963.1584

NW 32001Ab:

Eptesicus isabellinus (Temminck, 1840):
BMNH: 1966.1150

NW 32000Ca:

Rhinolophus blasii Peters, 1867:
MUB: A487

NW 32000Dc:

Myotis punicus Felten, 1977:
MNHN: ZM-2006-251.
Rhinolophus mehelyi Matschie, 1901:
MNHN: ZM-MO-1985-905

NE 32003Bc:

Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 92750, 92751

NE 32005Ba:

Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 482170

NE 32010Cd:

Eptesicus isabellinus (Temminck, 1840):
TTU: 72271, 72272, 72273.
Pipistrellus kuhlii (Kuhl, 1817):
TTU: 72488, 72489.
Plecotus teneriffae Barrett-Hamilton, 1907:
BMNH: 1891.10.15.2, 1891.10.15.3, 1891.10.15.4, 1891.10.15.5, un.reg. - **MNHN:** ZM-MO-1962-2631, ZM-MO-1962-2631 A, ZM-MO-1962-2631 B. - **TTU:** 63133, 63134, 63135, 63136, 63137.
Rhinolophus ferrumequinum (Schreber, 1774):
TTU: 72195, 72201

NE 32012Cd:

Eptesicus isabellinus (Temminck, 1840):
NMP: 49976, 49977, 49979.
Pipistrellus kuhlii (Kuhl, 1817):
CM: 79122

NE 32013Cc:

Pipistrellus kuhlii (Kuhl, 1817):
MHNG: 987.014. - **RBINS:** 274

NE 32013Da:

Eptesicus isabellinus (Temminck, 1840):
NMP: 49950, 49951

NE 32020Aa:

Pipistrellus kuhlii (Kuhl, 1817):
HZM: 218.7402

NE 32020Ad:

Pipistrellus kuhlii (Kuhl, 1817):
CM: 79120, 79121.
Pipistrellus pipistrellus (Schreber, 1774):
CM: 79126, 79127, 79128, 79129, 79130, 79132, 79133, 79135, 79136, 79137

NE 32020Ba:

Pipistrellus kuhlii (Kuhl, 1817):
NMP: 48332

NE 32020Da:

Pipistrellus kuhlii (Kuhl, 1817):
NMP: 48326

NE 32021Ac:

Tadarida teniotis (Rafinesque, 1814):
NMP: 49928, 49929

NE 32021Cd:

Pipistrellus pipistrellus (Schreber, 1774):
CM: 79125

NE 32021Da:

Miniopterus horaceki Gunnell, Eiting, and Geraads, 2011:
NMP: 49915.
Pipistrellus pipistrellus (Schreber, 1774):
CM: 79123, 79124, 89633.
Plecotus teneriffae Barrett-Hamilton, 1907:
NMP: 49905, 49906, 49907, 49908, 49909, 49910, 49911. - **NMW:** 30132, 30133, 30134, 30135, 30136, 30137, 30138, 30139, 30140, 30141, 30142, 30143, 30144, 30145, 30146, 30147, 30148.
Tadarida teniotis (Rafinesque, 1814):
NMP: 49912, 49913, 49914. - **NMW:** 30159, 30160, 30161, 30162, 30163, 30164, 30165, 30166, 30167, 30168, 30169

NE 32021Dc:

Pipistrellus hanaki Hulva and Benda, 2004:
NMP: 49894, 49895, 49896, 49897, 49902, 49903, 49904

NE 32021Dd:

Pipistrellus pipistrellus (Schreber, 1774):
USNM: 325013

NE 32022Cc:

Pipistrellus hanaki Hulva and Benda, 2004:
NMP: 49884, 49890, 49891, 49892

NE 32022Da:

Miniopterus horaceki Gunnell, Eiting, and Geraads, 2011:
NMP: 49879, 49880, 49882.
Tadarida teniotis (Rafinesque, 1814):
NMP: 49881

NW 31009Db:

Hipposideros tephrus (Cabrera, 1906):
MNCN: 110, 111. - **USNM:** 154133. - **ZMB:** 74614, 74615.
Rhinolophus hipposideros (Bechstein, 1800):
BMNH: 1910.11.24.2. - **MCZ:** 8890, 8891, 8892, 8893, 8894, 8895

NW 31008Aa:

Eptesicus isabellinus (Temminck, 1840):
ROM: 80277

NW 31008Ac:

Rhinolophus ferrumequinum (Schreber, 1774):
MNHN: ZM-MO-1950-143

NW 31008Db:

Myotis punicus Felten, 1977:
USNM: 476534.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 476197, 476198, 476199, 476200, 476201, 476202, 476879, 476880, 476881, 476882, 476883, 476884, 476885.
Rhinolophus ferrumequinum (Schreber, 1774):
USNM: 476294, 476295, 476296, 476297, 476298, 476299, 476300, 476301, 476302, 476908, 476909, 476910, 476911, 476912, 476913, 476914

NW 31007Cb:

Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014:
NMP: 90047, 90051.
Miniopterus schreibersii (Kuhl, 1817):
NMP: 90046, 90049, 90050, 90052, 90054, 90055.
Rhinolophus ferrumequinum (Schreber, 1774):
NMP: 90035

NW 31007Ba:

Pipistrellus kuhlii (Kuhl, 1817):
EBD: MAM 13779.
Pipistrellus pipistrellus (Schreber, 1774):
EBD: MAM 13780

NW 31008Ac:

Rhinolophus ferrumequinum (Schreber, 1774):
USNM: 470607

NW 31008Ca:

Hypsugo savii (Bonaparte, 1837):
MNHN: ZM-MO-1904-465 A, ZM-MO-1904-465 B

NW 31005Da:

Pipistrellus kuhlii (Kuhl, 1817):
NMP: 90071.
Tadarida teniotis (Rafinesque, 1814):
NMP: 90078

NW 31005Db:

Rhinolophus hipposideros (Bechstein, 1800):
NMP: 93602.
Tadarida teniotis (Rafinesque, 1814):
NMP: 94454, 94455, 94456

NW 31004Ca:

Pipistrellus rueppellii (Fischer, 1829):
MHNG: 1706.028

NW 31004Cd:

Myotis punicus Felten, 1977:
RMCA: 76.018-M-0010

NW 31003Bb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
EBD: MAM 15285, MAM 15310, MAM 15311, MAM 15312, MAM 15313, MAM 15314, MAM 15375, MAM 15376, MAM 15377, MAM 15378

NW 31002Ca:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
ROM: 54774, 54775, 54776, 54777, 54779, 54780, 54781, 54782, 54783, 54784, 54785, 54786, 54787, 54788, 54789, 54790, 54791, 54792, 54793, 54794.
Eptesicus Rafinesque, 1820:
ROM: 54778

NW 31002Ba:

Otonycteris hemprichii Peters, 1859:
ISEA: 9594, 9595. - **MUB:** A494, A495

NE 31005Cd:

Otonycteris hemprichii Peters, 1859:
BMNH: 1919.7.7.1213. - **MSNG:** 46325.
Pipistrellus kuhlii (Kuhl, 1817):
MHNG: 722.037. - **MNHN:** ZM-MO-1884-2012

NE 31011Dd:

Eptesicus isabellinus (Temminck, 1840):
NMP: 49961.
Otonycteris hemprichii Peters, 1859:
NMP: 49964

NE 31012Cc:

Rhinolophus ferrumequinum (Schreber, 1774):
NMP: 49856

NE 31020Ac:

Pipistrellus kuhlii (Kuhl, 1817):
NMP: 48322

NE 31025Cc:

Miniopterus horaceki Gunnell, Eiting, and Geraads, 2011:
NMP: 49861

NE 31026Bd:

Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 91447, 91448, 91449, 91450, 91451, 91452, 91453, 91454, 91455. - **USNM:** 368697, 368698, 368699, 368700, 368701

NE 31027Ac:

Pipistrellus Kaup, 1829:
FMNH: 84797, 84798, 84799.
Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 123232, 123233, 123234, 123235, 123236, 123237, 123238, 123239, 123240, 123241, 123242, 123243, 123244, 123245, 123246, 123247, 123248, 123249, 123250, 123251, 123252, 123253, 123254, 123255, 123256, 123257, 123258, 123259, 123260, 123261, 123262, 123263, 123264, 123265, 123266, 123267, 123268, 123269, 123270, 123271, 91508, 91509, 91510, 91511, 91512, 91513, 91514, 91515, 91516, 91517, 91518, 91519, 91528, 91529, 91530, 91531, 91532, 91533, 91534, 91535, 91536, 91537, 91538, 91539, 91540, 91541, 91542, 91543, 91544, 91545, 91546, 91547, 91548, 91549, 91550, 91551, 91552, 91553, 91554, 91555, 91556, 91557, 91558, 91559, 91560, 91561, 91562, 91563, 91564, 91565, 91566, 91567, 91568, 91569, 91570, 91571, 91572, 91573, 91574, 91575, 91576, 91577, 91578, 91579, 91580, 91581, 91582, 91583, 91584, 91585, 91586, 91587, 91588, 91589, 91590, 91591, 91592, 91593, 91594, 91595, 91596, 91597, 91598, 91599, 91600, 91601, 91602, 91603, 93384, 93385, 93386, 93387, 93388, 93389, 93390, 93391, 93392, 93393, 93394, 93395, 93396, 93397, 93398, 93399, 93400, 93401, 93402, 93403, 93404, 93405, 93406, 93407, 93408, 93409, 93410, 93411, 93412, 93413, 93414, 93415, 93416, 93417, 93418, 93419, 93420, 93421, 93422, 93423, 93424, 93425, 93426, 93427, 93428, 93429, 93430, 93431, 93432, 93433, 93434, 93435, 93436, 93437, 93438, 93439, 93440, 93441, 93442, 93443, 93444, 93445, 93446, 93447, 93448, 93449, 93450, 93451, 93452, 93453, 93454, 93455, 93456, 93457, 93458, 93459, 93460, 93461, 93462, 93463, 93464, 93465, 93466, 93467, 93468, 93469, 93470, 93471, 93472, 93473, 93474, 93475, 93476, 93477, 93478, 93479, 93480, 93481, 93482, 93483, 93484, 93485, 93486, 93487, 93488, 93489, 93490, 93491, 93492, 93724, 93725, 93726, 93727, 98925. - **USNM:** 368727, 368728, 368729, 368730, 368731, 368732, 368737, 368738, 368739, 368740, 368741, 368742, 368743, 368744, 368745, 368746, 368747, 368748, 368749, 368750, 368751, 368752, 368753, 368754, 368755, 368756, 368757, 368758, 368759, 368760, 368761, 368762, 368763, 368764, 368765, 368766, 368767, 368768, 368769, 368770, 368771, 368772, 368773, 368774, 368775, 368776, 368777, 368778, 368779, 368780, 368781, 368782, 368783, 368784, 368785, 368786, 368787, 368788, 368789, 368790, 368791, 368792, 368793, 368794, 368795, 368796, 368797, 368798, 368799, 368800, 368801, 368802, 368803, 368804, 368805, 368806, 368807, 368808, 368809, 368810, 368811, 368812, 368813, 368814, 368815, 368816, 368817, 368818, 368819, 368820, 368821, 368822, 368823, 368824, 368825, 368826, 368827, 368828, 368829, 368830.
Plecotus christii Gray, 1838:
NMP: 92576, 92577

NE 31029Bb:

Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 144043. - **MNHN:** ZM-MO-1985-1026, ZM-MO-1985-1027, ZM-MO-1985-1028.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1880-2039

NE 31030Bc:

Pipistrellus kuhlii (Kuhl, 1817):
OMNH: 11111, 11112, 11113, 11114

NE 31031Bb:

Pipistrellus kuhlii (Kuhl, 1817):
ZMA: MAM.24242, MAM.24243.
Pipistrellus rueppellii (Fischer, 1829):
ZMA: MAM.24244

NE 31032Ab:

Rhinolophus Lacépède, 1799:
ZMB: 50136

NE 31032Ad:

Neoromicia guineensis (Bocage, 1889):
ZMB: 54952.
Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 98171, 98172, 98173. - **ZMB:** 54228.
Pipistrellus rueppellii (Fischer, 1829):
ZMA: MAM.24235, MAM.24236

NE 31033Bb:

Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 79090, 79094, 79095. - **USNM:** 312512, 312513, 312514

NW 30009Cb:

Myotis Kaup, 1829:
EBD: MAM 26020.
Rhinolophus blasii Peters, 1867:
EBD: MAM 26019.
Rhinolophus ferrumequinum (Schreber, 1774):
EBD: MAM 26018

NW 30009Ba:

Hipposideros tephrus (Cabrera, 1906):
NMP: pb3833, pb3834

NW 30009Dc:

Pipistrellus kuhlii (Kuhl, 1817):
SMF: 47778, 47779, 47780

NW 30009Db:

Hipposideros caffer (Sundevall, 1846):
EBD: MAM 23262.
Hipposideros tephrus (Cabrera, 1906):
EBD: COI318.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
EBD: MAM 23263

NW 30006Dc:

Plecotus christii Gray, 1838:
USNM: 476646, 476647.
Plecotus teneriffae Barrett-Hamilton, 1907:
USNM: 476627, 476628, 476629, 476630, 476631, 476632, 476633, 476634, 476635, 476636, 476637, 476639, 476640, 476641, 476642, 476643, 476644, 476645, 476648, 478320, 478321, 478322, 478323, 478324, 478325, 478326, 478327, 478328.
Rhinopoma cystops Thomas, 1903:
USNM: 467150, 476147, 476148, 476149, 476150, 476151, 476152, 476153, 476154, 476155, 476156, 476157, 476158, 476159, 476160, 476161, 476162, 476163, 476164, 476165, 476166, 476167, 476168, 476169, 476170, 476171, 476172, 476173, 476174, 476175, 476176, 476177, 476178, 476179, 476180, 476181, 476182, 476183, 476184, 476185, 476186, 476187, 476188, 476189, 476190, 476191, 476192, 478303, 478304, 478305, 478306, 478307, 478308, 478309, 478310, 478311, 478312, 478313.
Rhinopoma microphyllum (Brünnich, 1782):
USNM: 476193, 476194, 476195, 476196

NW 30006Bb:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 470701, 470702, 476990, 476991.
Pipistrellus rueppellii (Fischer, 1829):
USNM: 470693.
Tadarida teniotis (Rafinesque, 1814):
USNM: 470713, 470714, 470715

NW 30006Dd:

Hypsugo savii (Bonaparte, 1837):
EBD: MAM 13781.
Myotis punicus Felten, 1977:
USNM: 476357, 476358, 476359, 476360, 476438, 476439, 476532, 476533.
Pipistrellus kuhlii (Kuhl, 1817):
USNM: 470694, 470695.
Plecotus teneriffae Barrett-Hamilton, 1907:
USNM: 470707, 470708, 470709, 476638, 477020, 477021.
Rhinolophus blasii Peters, 1867:
USNM: 476886.
Rhinolophus euryale Blasius, 1853:
USNM: 470610, 470611, 476293.
Rhinolophus hipposideros (Bechstein, 1800):
USNM: 476321, 478314

NW 30005Ba:

Otonycteris hemprichii Peters, 1859:
NMP: 90061, 90062, 90063, 90064.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMP: 90065

NW 30005Dc:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 470696, 470697

NW 30002Aa:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1951-1058, ZM-MO-1985-749 (1), ZM-MO-1985-749 (2), ZM-MO-1985-749 (3), ZM-MO-1985-749 (4), ZM-MO-1985-885, ZM-MO-1985-886, ZM-MO-1985-887.
Otonycteris hemprichii Peters, 1859:
ISEA: 9593. - **MNHN:** ZM-MO-1984-1250.
Pipistrellus Kaup, 1829:
RMCA: 73.041-M-0007.
Pipistrellus kuhlii (Kuhl, 1817):
CM: 79057, 79058, 79059, 79060, 79061, 79065. - **MNHN:** ZM-MO-1949-513 A, ZM-MO-1949-513 B, ZM-MO-1949-513 C, ZM-MO-1949-513 D, ZM-MO-1949-513 E, ZM-MO-1949-513 F, ZM-MO-1949-513 G, ZM-MO-1985-1018, ZM-MO-1985-1019, ZM-MO-1985-1020, ZM-MO-1985-1021, ZM-MO-1985-753, ZM-MO-1985-754, ZM-MO-1985-755, ZM-MO-1985-756, ZM-MO-1985-757, ZM-MO-1985-758, ZM-MO-1985-759, ZM-MO-1985-760, ZM-MO-1985-761, ZM-MO-1985-762, ZM-MO-1985-763, ZM-MO-1985-764.
Rhinolophus ferrumequinum (Schreber, 1774):
MNHN: ZM-MO-1955-83.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
BMNH: 1966.4081. - **MNHN:** ZM-MO-1984-1208, ZM-MO-1984-1237

NW 30001Ab:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-867, ZM-MO-1985-868, ZM-MO-1985-869, ZM-MO-1985-870

NE 30002Db:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-871, ZM-MO-1985-872, ZM-MO-1985-873.
Otonycteris hemprichii Peters, 1859:
MNHN: ZM-MO-2000-372

NE 30029Dc:

Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 123230, 123231, 144044. - **SMF:** 26114. - **YPM:** MAM 005853.
Rhinolophus mehelyi Matschie, 1901:
FMNH: 74477, 74478, 78944, 78945, 78946. - **USNM:** 312631, 312632

NE 30029Dd:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 588755.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
USNM: 588754

NE 30030Ac:

Otonycteris hemprichii Peters, 1859:
FMNH: 79220.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 67625, 74499, 74500. - **USNM:** 297739, 297740, 297741, 297743, 297744, 312419.
Rhinopoma cystops Thomas, 1903:
FMNH: 143933, 67604, 67605, 67606, 67607, 67608, 67609, 67610, 67611, 67612, 67613.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 80738, 80739, 80740, 80741, 80742, 80743, 80744, 80745, 80746, 80747. - **USNM:** 297734, 297735, 297736, 297737, 297738

NE 30030Dc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 68221, 68222, 68223, 68224, 68225, 68226, 68227, 68228, 68229, 68230, 68231, 68232, 68233, 68234, 68235, 68236, 68237, 68238, 68239, 68240, 68241, 68242, 68243, 68244, 68245, 68246, 68247, 68248, 68249, 91418, 91419, 91420, 91421, 91422, 91423, 91424, 91425, 91426, 91427, 91428. - **USNM:** 312336, 312337, 312338, 312339, 312340, 312341, 312342, 312343, 312344, 312345, 312346, 312347, 312348, 312349, 312350, 312351, 312352, 312353, 312354, 312355, 312356, 312357, 312358, 312359, 312360, 312361, 312362, 312363, 312364, 312365, 368882, 368883, 368884, 368885, 368886, 368887, 368888, 368889, 368890, 368891.
Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 68191

NE 30030Bb:

Pipistrellus kuhlii (Kuhl, 1817):
CM: 79101, 79102, 79103, 79105, 79106, 79107, 79108

NE 30030Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 153542, 153543, 153544, 67658, 67659, 67660, 67661, 67662, 67663, 67664, 67665, 67666, 67667, 67668, 67669, 67670, 67671, 67672, 67673, 67674, 67675, 67676, 67677, 67678, 67679, 67680, 67681, 67682, 67683, 68199, 68200, 68201, 68202, 68203, 68204, 68205, 68206, 68207, 68208, 68209, 68210, 68211, 68212, 68213, 68214, 68215, 68216, 68217, 68218, 68219, 68220, 79718, 79719, 79720, 79721, 79722, 79723, 79724, 79725, 79726, 79727, 79728, 79729, 79730, 79731, 79732, 79733, 79734, 79735, 79736, 79737, 79738, 79739, 79740, 79741, 79742, 79743, 79744, 79745, 79746, 79747, 79748, 79749, 79750, 79751, 79752, 91410, 91411, 91412, 91413, 91414, 91415, 91416, 91417. - **USNM:** 312315, 312316, 312317, 312318, 312319, 312320, 312321, 312322, 312323, 312324, 312325, 312326, 312327, 312328, 312329, 312330, 312331, 312332, 312333, 312334, 312335

NE 30031Aa:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 85523, 85524, 85525, 85526, 85527, 85528, 85529, 85530, 85531, 85532, 85533, 85534, 85535, 85536, 85537, 85538, 85539, 85540, 85541, 85542, 85543, 85544, 85545, 85546, 85547, 85548, 85549, 85550, 85551, 85552, 85553, 85554, 85555, 85556, 85557, 85558, 85559, 85560, 85561, 85562, 85563, 85564, 85565, 85566, 85567, 85568, 85569, 85570, 85571, 85572, 85573, 85574, 85575, 85576, 91456, 91457, 91458, 91459, 91460, 91461, 91462, 91463, 91464, 91465, 91466, 91467, 91468, 91469, 91470, 91471. - **USNM:** 312645, 312646, 312647, 312648, 312649, 312650, 312651, 312652, 312653, 312654, 312655, 312656, 312657, 312658, 312659, 312660, 312661, 312662, 312663, 312664, 312665, 312666, 312667, 312668, 312669, 312670, 312671, 312672, 312673, 312674, 312675, 312676, 312677, 312678, 312679, 312680, 312681, 312682, 312683, 312684, 312685, 312686, 312687, 312688, 312689, 312690, 312691, 312692, 312693, 312694, 312695, 312696, 312697, 312698, 312699, 312700, 312701, 312702, 312703, 312704, 368707, 368708, 368709, 368710, 368711, 368712, 368713, 368714.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 143942, 143943, 143944, 143945, 143946, 143947, 143948, 143949, 143950, 143951, 143952, 143953, 143954, 153545, 73960, 78584, 78585, 79098, 79099, 79100, 79101, 79102, 79103, 79104, 79105, 79106, 79107, 79108, 79109, 79110, 79111, 79112, 79113, 79114, 79115, 79116, 79117, 79753, 79754, 79755, 79756, 91645, 91646, 91647, 91648, 91649. - **SMNS:** 4547, 4548. - **USNM:** 312366, 312367, 312368, 312369, 312370, 312371, 312372, 312392, 312393, 312394, 312395, 312396, 368686, 368687.
Otonycteris hemprichii Peters, 1859:
FMNH: 144036, 144037, 144038, 144039, 144040, 144041, 144042, 74480, 74481, 74482, 74483, 74484, 75052, 75053, 75054, 75055, 77199, 79207, 79208, 79209, 79210, 79221, 79222, 79223, 79224, 79225, 80785, 80786, 80788, 80789, 80790, 80791, 80792, 80793, 80795, 80797, 80798, 84636, 84682, 84683, 84684, 84685, 84686, 84687, 87769, 89388, 89389, 89390, 89391, 89392, 89393, 89394, 89793, 89794, 89795, 89796, 89797, 89798, 89799, 89800, 89801, 89802, 89803, 89804, 89805, 89806, 89807, 89808, 91653, 91654. - **NMP:** 91983, 91988, 91989. - **USNM:** 312768, 312769, 312770, 312771, 312781, 312782, 312783, 312784, 312785, 312786, 312787, 312788, 312789, 312790, 312791, 312792, 312793, 312794, 312795, 312796, 312797, 312798, 312799, 312800, 312801, 312802, 312803, 312804, 312805, 312806, 312807, 312808, 312809, 368838. - **YPM:** MAM 014978.
Pipistrellus kuhlii (Kuhl, 1817):
CM: 113807, 113808, 113962, 113963, 113964, 113965, 113966. - **FMNH:** 123222, 123223, 123224, 123225, 123226, 123227, 123228, 123229, 75033, 75034, 75035, 75036, 75037, 75038, 75039, 75040, 75041, 75042, 75047, 75048, 75049, 75050, 75051, 79228, 79229, 79230, 79231, 79232, 79233, 79234, 79235, 79236, 79237, 79238, 79239, 79240, 79241, 79242, 79243, 79244, 79245, 79246, 79247, 79248, 79249, 79250, 79251, 79252, 79253, 79254, 79255, 79256, 79257, 79258, 79259, 79260, 79261, 79262, 79263, 79264, 79265, 79266, 79267, 79268, 79269, 79270, 79271, 79272, 79273,

79274, 79275, 80730, 80731, 80732, 80733, 84634, 84635, 84677, 84678, 84679, 84680, 84681, 89378, 89379, 89380, 89381, 89382, 89383, 89384, 89815, 89816, 89817, 89818, 89819, 89820, 89821, 89822, 89823, 89824, 89825, 91490, 91491, 91492, 91493, 91494, 91495, 91496, 91497, 91498, 91499, 91500, 91501, 91502, 91503, 91504, 91505, 91506, 91507, 91520, 91521, 91522, 91523, 91524, 91525, 91526, 91527, 96215, 96216. - **OMNH:** 11107, 11108, 11109, 11110. - **SMF:** 22014. - **USNM:** 312705, 312706, 312707, 312708, 312721, 312722, 312723, 312724, 312725, 312726, 312727, 312728, 312729, 312730, 312731, 312748, 312749, 312750, 312751, 312752, 312753, 312754, 312755, 312756, 312757, 312758, 312759, 312760, 312761, 312762, 312763, 312764, 312765, 368717, 368718, 368719, 368720, 368721, 368722, 368723, 368724, 368725, 368726, 368733, 368734, 368735, 368736.
Pipistrellus rueppellii (Fischer, 1829):
USNM: 312766, 312767.
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829):
FMNH: 123272, 86885, 89385, 89726, 89727, 91484, 91485, 91486, 91487, 91652, 93493, 93494, 93495, 93496, 93497, 93498, 93499, 93500, 93501, 93502, 93503. - **USNM:** 368831, 368832, 368833, 368834, 368835, 368836, 368837.
Plecotus christii Gray, 1838:
FMNH: 123273.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 68180, 73952, 73953, 73954, 73955, 73956, 73957, 73958, 73959, 74021, 74022, 74023, 74024, 74025, 74026, 74027, 74028, 74029, 74030, 74031, 74032, 74033, 74034, 74035, 74036, 74037, 74038, 74039, 74497, 74498, 75046, 75057, 75058, 75059, 75060, 75061, 75062, 75063, 75064, 75065, 77201, 78771, 78772, 78773, 78774, 78775, 78776, 78777, 78778, 78779, 78780, 78781, 78782, 78783, 78784, 78785, 78786, 78787, 78788, 78789, 78790, 78791, 78792, 78793, 78794, 78795, 78796, 78797, 78798, 78799, 78800, 78801, 78846, 78847, 78848, 78849, 78850, 78851, 78852, 78853, 78854, 78855, 78856, 79670, 79672, 80332, 80334, 80335, 80336, 80337, 80338, 80339, 80340, 80341, 80342, 80343, 80344, 80800, 80876, 80877, 82480, 82481, 82482, 82483, 82484, 91429, 91430, 91431, 91432, 91433, 91434, 91435, 91436, 91437, 91438, 91439, 91440, 91441, 91442, 91443, 91444, 91445, 91446, 93375, 93376, 93377, 93378, 93379, 93380, 93381, 93382, 93383. - **NMP:** 91994. - **USNM:** 294094, 294095, 294096, 294097, 294098, 294099, 294100, 294101, 294102, 294103, 294104, 294105, 294106, 294107, 294108, 294109, 294110, 294111, 294112, 294113, 294114, 294115, 294116, 294117, 294118, 297749, 312420, 312421, 312422, 312423, 312424, 312425, 312426, 312427, 312445, 312447, 312450, 312451, 312452, 312453, 312454, 312455, 312456, 312457, 312458, 312459, 312460, 312461, 312462, 312463, 312464, 312465, 312466, 312467, 312468, 312469, 312470, 312471, 312472, 312473, 312474, 312475, 312476, 312477, 312478, 312479, 312480, 312481, 312482, 312483, 312484, 312485, 312486, 312487, 312488, 312489, 312490, 312491, 312492, 312493, 312494, 312495, 312496, 312497, 312498, 312499, 312500, 312501, 312502, 312503, 312504, 312505, 368688, 368689, 368690, 368691, 368692, 368693, 368694, 368695, 368696, 368702, 368703, 368704, 368705, 368706. - **ZFMK:** 1959.0274, 1959.0275, 1959.0276, 1959.0277, 1959.0278, 1959.0290, 1959.0291, 1959.0292, 1959.0293, 1959.0294, 1959.0295, 1959.0296, 1959.0297, 1959.0298, 1959.0299, 1959.0300, 1959.0301, 1959.0302, 1959.0303, 1959.0304, 1959.0305, 1959.0306, 1959.0307, 1959.0308.
Rhinopoma cystops Thomas, 1903:
BMNH: 1909.7.1.11. - **CM:** 62316. - **FMNH:** 79701, 79702, 79703, 79704, 79705, 79706, 79707, 79708, 79709, 79710, 79711, 79712, 79713, 79714, 79715, 79716, 79717, 80776, 80777, 80778. - **HZM:** 8.3193. - **MCZ:** 14618, 14620, 14622, 14624. - **USNM:** 312187, 312188, 312189.
Rhinopoma microphyllum (Brünnich, 1782):
FMNH: 79687, 79688, 80774, 80775. - **MCZ:** 14474, 14475, 14477, 14619, 14621, 14623, 14625. - **USNM:** 312224, 312225. - **ZMUC:** |TS101|.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1909.7.1.1, 1909.7.1.2, 1909.7.1.3, 1909.7.1.4. - **MNHN:** A.69. - **MVZ:** 107713. - **USNM:** 282381, 282382, 282383, 282384, 282385, 282386, 282387.
Tadarida Rafinesque, 1814:
FMNH: 91483.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
BMNH: 1903.6.3.3, 1903.6.3.4. - **MNHN:** ZM-MO-1986-1084 (A.467).
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
FMNH: 79276, 79277, 79278, 79279, 79281, 79282, 79678, 79679, 79680, 80771, 80772, 80773, 91481. - **USNM:** 312821, 312822, 312823.
Tadarida teniotis (Rafinesque, 1814):
BMNH: 1903.4.1.1, 1903.4.1.2, 1903.4.1.3, 1903.6.3.1, 1903.6.3.2, 1909.7.1.12, 1915.10.2.1, 1923.1.14.3, 1923.1.14.4. - **FMNH:** 74527, 74528, 74529, 74530, 74531, 74532, 74533, 74534, 74535, 74536, 75056, 79280, 79283, 79284, 79285, 79286, 79287, 79288, 79681, 79682, 80759, 80760, 80761, 80762, 80763, 80764, 80765, 80766, 80767, 80768, 80769, 80770, 91472, 91473, 91474, 91475, 91476, 91477, 91478, 91479, 91480. - **USNM:** 312830, 312831, 312832, 312833, 312834, 312835, 312836, 312837, 312838, 312839, 312840, 312851, 368840, 368841, 368842, 368843.
Taphozous nudiventris Cretzschmar, 1830:
FMNH: 79096, 80735, 80736, 80737, 91405, 91406, 91407, 91408, 91409. - **IVB:** E1, E10, E11, E12, E13, E15, E16, E17, E18, E2, E3, E4, E5, E6, E7, E8, E9. - **MVZ:** 34185, 34186, 34187, 34188, 34189, 34215, 34216, 34217. - **SMF:** 4310. - **TTU:** 34781, 34782. - **USNM:** 312232, 312233, 312234, 368683, 368684.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
SMF: 23790, 23791, 23792, 23793.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 67545, 67546, 67547, 67548, 67549, 67550, 67551, 67552, 67553, 67554, 67555, 67556, 67557, 91404, 91644. - **MVZ:** 107716. - **USNM:** 282463, 282464, 282465, 282466, 282467, 282468, 282469, 282470, 282471, 282472, 282473, 282474, 282475, 283281, 300199, 300200, 312253, 312254, 312255, 312256, 312257, 312258, 312259, 312260, 312261, 312262, 312263, 312264, 368685

NE 30031Ab:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 82020, 93371, 93372, 93373, 93374. - **SMF:** 25805. - **USNM:** 368715, 368716.

Eptesicus bottae (Peters, 1869):
BMNH: 1903.12.8.9, 1919.7.7.3528. - **ZMH:** 22078.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 25839, 25840, 25841, 5424. - **USNM:** 13512, 300212, 300213, 300214, 300215.
Nycticeinops schlieffenii (Peters, 1859):
ZMB: 585.
Otonycteris hemprichii Peters, 1859:
FMNH: 80794.
Pipistrellus kuhlii (Kuhl, 1817):
ZMB: 3398.
Pipistrellus rueppellii (Fischer, 1829):
CAS: 6462.
Rhinolophus clivosus Cretzschmar, 1828:
ZMB: 5693.
Rhinopoma cystops Thomas, 1903:
FMNH: 98926. - **SMF:** 25799, 25801, 25802, 25803, 33496, 33497, 33498, 33499, 33500, 33501, 33502, 33503, 33504, 33505, 33506, 33507, 33508, 33509, 33510, 33511, 33512, 33513, 33514, 33515, 33516, 33517, 33518, 33519, 33520, 33521, 33522, 33523, 33524, 33525. - **ZMB:** 2506.b, 2506.c. - **ZMH:** T648.
Rhinopoma microphyllum (Brünnich, 1782):
FMNH: 74493. - **SMF:** 25800. - **USNM:** 312226. - **ZMB:** 2506.a, 46209.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1903.12.8.1, 1903.12.8.3, 1903.12.8.4. - **FMNH:** 12189, 31390, 31391, 31392, 31393, 31394, 31395, 80748, 80749, 80750, 80751, 80752, 80753, 80754, 80755, 80756, 80757, 80758. - **NMR:** 999000000863. - **NMV:** C30212. - **SAMA:** M4476.001, M4476.002. - **SMF:** 12035, 22643, 22644, 22645, 22646, 22647, 22648, 22649, 22650, 22651, 22652, 22653, 22654, 22655, 22656, 22657, 22658, 22659, 22660, 22661, 25778, 25779, 25861, 25862, 25863, 25864. - **ZMA:** MAM.22162, MAM.22205, MAM.22206, MAM.22207, MAM.22208, MAM.22209, MAM.22210, MAM.22211. - **ZMH:** 22062.
Taphozous nudiventris Cretzschmar, 1830:
IVB: E29, E30, E31, E32, E33.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
ZMB: 2507

NE 30031Cd:

Pipistrellus kuhlii (Kuhl, 1817):
MVZ: 107718. - **USNM:** 283294, 283295, 283296, 283297, 283298, 283301

NE 30032Cb:

Pipistrellus kuhlii (Kuhl, 1817):
MNHN: ZM-MO-1869-1516 A, ZM-MO-1869-1516B

NE 30033Ac:

Plecotus christii Gray, 1838:
TAU: M.7160

NW 29009Ba:

Plecotus teneriffae Barrett-Hamilton, 1907:
MNHN: ZM-MO-1983-511

NW 29009Dc:

Eptesicus isabellinus (Temminck, 1840):
EBD: MAM 26014, MAM 26015.
Pipistrellus pipistrellus (Schreber, 1774):
EBD: MAM 26013.
Rhinopoma cystops Thomas, 1903:
EBD: MAM 26017.
Tadarida teniotis (Rafinesque, 1814):
EBD: MAM 26016

NW 29007Db:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 470703, 470704, 470705, 470706, 476992, 477013.
Rhinopoma cystops Thomas, 1903:
USNM: 470592, 470593, 470594, 470595, 470596, 470597, 470598, 470599, 470600, 470601, 470602, 476876, 476877

NW 29007Dd:

Rhinopoma cystops Thomas, 1903:
MNHN: ZM-MO-1954-360A, ZM-MO-1954-360B, ZM-MO-1954-360C, ZM-MO-1954-360D, ZM-MO-1954-360E, ZM-MO-1954-360F, ZM-MO-1954-360G, ZM-MO-1954-360H

NW 29008Aa:

Pipistrellus kuhlii (Kuhl, 1817):
NMP: 90058, 90059

NE 29024Da:

Plecotus christii Gray, 1838:
NMP: 49862, 49863

NE 29024Dc:

Plecotus christii Gray, 1838:
MSNG: 26219a, 26219b, 26220a, 26220b, 47016

NE 29024Db:

Otonycteris hemprichii Peters, 1859:
USNM: 325011, 325012

NE 29025Ba:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 79677.
Otonycteris hemprichii Peters, 1859:
BMNH: 1903.12.8.6, 1903.12.8.7.
Plecotus christii Gray, 1838:
BMNH: 1936.2.10.18. - **FMNH:** 79673, 79674, 79675, 79676. - **USNM:** 297750, 297751, 297752, 297753, 297754, 297755

NE 29030Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.24246.
Taphozous nudiventris Cretzschmar, 1830:
FMNH: 153512, 153513, 67568, 67569, 67570, 67571, 67572, 67573, 67574, 67575, 67576, 67577, 67578, 67579, 67580, 67581, 67582, 67583

NE 29030Da:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1909.7.1.6

NE 29030Bb:

Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 80345, 80346.
Rhinopoma cystops Thomas, 1903:
RMCA: a2.005-M-0002, a2.005-M-0003.
Taphozous nudiventris Cretzschmar, 1830:
RMCA: a2.005-M-0001. - **ZFMK:** 1995.0546, 1995.0547, 1995.0548

NE 29030Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1924.2.19.1, 1924.2.19.2, 1924.2.19.3, 1924.2.19.4, 1924.2.19.5, 1924.2.19.6, 1924.2.19.8, 1924.9.19.7.
Otonycteris hemprichii Peters, 1859:
NMP: 91984, 91985, 91986, 92109.
Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 75079, 75080.
Taphozous nudiventris Cretzschmar, 1830:
RMCA: a1.095-M-0001, a1.095-M-0002, a1.095-M-0003.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
OMNH: 11129, 11130, 11131, 11132, 11133, 11134, 11135, 11136, 11137, 11138, 11139. - **USNM:** 300196, 300197, 300198

NE 29030Db:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 67626, 67627, 67628, 67629, 67630, 67631, 67632, 67633, 67634, 67635, 67636, 67637, 67638, 67639, 67640, 67641, 67642, 67643, 67644, 67645, 67646, 67647, 67648, 67649, 67650, 67651, 67652, 67653, 67654, 67655. - **USNM:** 300217.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 79147, 79148. - **USNM:** 312390, 312391.
Otonycteris hemprichii Peters, 1859:

FMNH: 79215, 79216, 79217, 79218, 79219, 79226, 79227. - **USNM:** 312773, 312774, 312775, 312776, 312777, 312778, 312779.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 64267, 64268, 64269, 79671. - **USNM:** 312446.
Rhinopoma cystops Thomas, 1903:
FMNH: 79193. - **USNM:** 312157.
Taphozous nudiventris Cretzschmar, 1830:
FMNH: 153511, 67567

NE 29031Ac:

Taphozous nudiventris Cretzschmar, 1830:
ZFMK: 1997.0260

NE 29031Ca:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 44179, 44180, 44181. - **USNM:** 154942, 154943, 154944, 154945, 154946, 154947, 154948, 154949, 154950, 154951, 154952, 154953, 154954, 154955, 154956, 154957, 154958, 154959, 154960, 154961, 154962, 154963, 155355, 155356

NE 29031Cc:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 75072, 75073, 75074, 75075, 75076, 75077, 80482, 80483, 80484, 80485, 80486, 80487, 80488, 80489, 80490, 80491, 80492, 80493, 80494, 80495, 82479, 85579, 85580, 85583, 85585, 85587, 85588, 89395, 89396, 89397, 89398, 89399, 89400, 89401, 89402, 89403, 89404, 89405, 89406, 89407, 89408, 89409, 89410, 89411, 89412, 89413, 89414, 89415, 89416. - **USNM:** 312633, 312634, 312635, 312636, 312637, 312638, 312639, 312640, 312641, 312642, 312644. - **YPM:** MAM 002836, MAM 005523, MAM 005524, MAM 005525, MAM 005526, MAM 005527, MAM 005591, MAM 005592, MAM 005593, MAM 005594, MAM 005595, MAM 005596, MAM 005597.
CHIROPTERA Blumenbach, 1779:
OMNH: 11193, 11194.
Nycteris G. Cuvier and E. Geoffroy, 1795:
OMNH: 11104, 11105.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1908.11.5.4, 1908.4.17.8, 1921.5.6.2, 1967.2282. - **FMNH:** 67656, 67657, 79118, 79119, 79120, 79121, 79122, 79123, 79124, 79125, 79126, 79127, 79128, 79129, 79130, 79131, 79132, 79133, 79134, 79135, 79136, 79137, 79138, 79139, 79140, 79141, 79142, 79143, 79144, 79145, 79146, 89386, 89387. - **SMF:** 22662, 22663, 22664, 22665, 22666, 22667, 22668, 22669, 22670. - **USNM:** 312373, 312374, 312375, 312376, 312377, 312378, 312379, 312380, 312381, 312382, 312383, 312384, 312385, 312386, 312387, 312388, 312389.
Otonycteris hemprichii Peters, 1859:
CAS: 21000. - **FMNH:** 79211, 79212, 79213, 80331, 80779, 80780, 80787, 80799, 85704, 85705, 85706, 85707, 85708, 85709. - **OMNH:** 11106. - **SMF:** 25268. - **USNM:** 300216, 312780, 312810, 312811, 312812, 312813, 312814, 312815.
Pipistrellus kuhlii (Kuhl, 1817):
CM: 79119. - **FMNH:** 85589, 85590, 85591, 85592, 85593, 85594, 85595, 85596, 85597, 85598, 85599, 85600, 85601, 85602, 85603, 85604. - **USNM:** 312709, 312710, 312711, 312712, 312713, 312714, 312715, 312716, 312717, 312718, 312719, 312720, 312732, 312733, 312734, 312735, 312736, 312737, 312738, 312739, 312740, 312741, 312742, 312743, 312744, 312745, 312746, 312747.
Plecotus christii Gray, 1838:
BMNH: 1892.9.9.18. - **CAS:** 21001, 21002. - **FMNH:** 77824, 79165, 87770. - **MSNG:** 54781. - **USNM:** 312818, 312819, 312820.
Rhinolophus clivosus Cretzschmar, 1828:
BMNH: 1892.9.9.7. - **FMNH:** 67620, 67621, 67622, 67623, 67624, 74501, 74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 74515, 74516, 74517, 74518, 74519, 74520, 74521, 74522, 74523, 74524, 74525, 74526, 75066, 75067, 75068, 75069, 75070, 75071, 78802, 78803, 78804, 78805, 78806, 78807, 78808, 78809, 78810, 78811, 78812, 78813, 78814, 78815, 78816, 78817, 78818, 78819, 78820, 78821, 78822, 78823, 78824, 78825, 78826, 78827, 78828, 78829, 78830, 78831, 78832, 78833, 78834, 78835, 78836, 78837, 78838, 78839, 78840, 78841, 78842, 78843, 78844, 78845, 80333, 85577, 85578, 85581, 85582, 85584, 85586. - **MSNG:** 44854. - **MVZ:** 107717. - **SMF:** 41810. - **USNM:** 282406, 282476, 282477, 282478, 312414, 312415, 312416, 312417, 312418, 312428, 312429, 312430, 312431, 312432, 312433, 312434, 312435, 312436, 312437, 312438, 312439, 312440, 312441, 312449, 312852, 312853, 312854, 312855, 312856, 312857.
Rhinolophus darlingi K. Andersen, 1905:
CAS: 16974, 16975, 16976, 16977, 16978.
Rhinolophus mehelyi Matschie, 1901:
FMNH: 78857, 78858, 78859, 78860, 78861, 78862, 78863, 78864, 78865, 78866, 78867, 78868, 78869, 78870, 78871, 78872, 78873, 78874, 78875, 78876, 78877, 78878, 78879, 78880, 78881, 78882, 78883, 78884, 78885, 78886, 78887, 78888, 78889, 78890, 78891, 78892, 78893, 78894, 78895, 78896, 78897, 78898, 78899, 78900, 78901, 78902, 78903, 78904, 78905, 78906, 78907, 78908, 78909, 78910, 78911, 78912, 78913, 78914, 78915, 78916, 78917, 78918, 78919, 78920, 78921, 78922, 78923, 78924, 78925, 78926, 78927, 78928, 78929, 78930, 78931, 78932, 78933, 78934, 78935, 78936, 78937, 78938, 78939, 78940, 78941, 78942, 78943, 78947, 78948, 78949, 78950, 78951, 78952, 78953, 78954, 78955, 78956, 78957, 78958, 78959, 78960, 78961, 78962, 78963, 78964, 78965, 78966, 78967, 78968, 78969, 78970, 78971, 78972, 78973, 78974, 78975, 78976, 78977, 78978, 78979, 78980, 78981, 78982, 78983, 78984, 78985, 78986, 78987, 78988, 78989, 78990, 78991, 78992, 78993, 78994, 78995, 78996, 78997, 78998, 78999, 79000, 79001, 79002, 79003, 79004, 79005, 79006, 79007, 79008, 79009, 79010, 79011, 79012, 79013, 79014, 79015, 79016, 79017, 79018, 79019, 79020, 79021, 79022, 79023, 79024, 79025, 79026, 79027, 79028, 79029, 79030, 79031, 79032, 79033, 79034,

79035, 79036, 79037, 79038, 79039, 79040, 79041, 79042, 79043, 79044, 79045, 79046, 79047, 79048, 79049, 79050, 79051, 79052, 79053, 79054, 79055, 79056, 79057, 79058, 79059, 79060, 79061, 79062, 79063, 79064, 79065, 79066, 79067, 79069, 79070, 79071, 79072, 79073, 79074, 79075, 79076, 79077, 79078, 79079, 79080, 79081, 79082, 79083, 79084, 79085, 79086, 79087, 79088, 79089. - **USNM:** 312515, 312516, 312517, 312518, 312519, 312520, 312521, 312522, 312523, 312524, 312525, 312526, 312527, 312528, 312529, 312530, 312531, 312532, 312533, 312534, 312535, 312536, 312537, 312538, 312539, 312540, 312541, 312542, 312543, 312544, 312545, 312546, 312547, 312548, 312549, 312550, 312551, 312552, 312553, 312554, 312555, 312556, 312557, 312558, 312559, 312560, 312561, 312562, 312563, 312564, 312565, 312566, 312567, 312568, 312569, 312570, 312571, 312572, 312573, 312574, 312575, 312576, 312577, 312578, 312579, 312580, 312581, 312582, 312583, 312584, 312585, 312586, 312587, 312588, 312589, 312590, 312591, 312592, 312593, 312594, 312595, 312596, 312597, 312598, 312599, 312600, 312601, 312602, 312603, 312604, 312605, 312606, 312607, 312608, 312609, 312610, 312611, 312612, 312613, 312614, 312615, 312616, 312617, 312618, 312619, 312620, 312621, 312622, 312623, 312624, 312625, 312626, 312627, 312628, 312629, 312630.
Rhinopoma cystops Thomas, 1903:
AMNH: 54405. - **BMNH:** 1894.7.22.1, 1908.11.5.5, 1908.11.5.7, 1908.11.5.8, 1908.11.5.9. - **CM:** 62318, 62319, 62320, 62321, 62322, 62323, 62324, 62325, 62326, 62327, 78809. - **FMNH:** 123195, 123197, 123198, 123201, 123207, 123208, 123211, 123213, 123214, 34160, 67584, 67585, 67586, 67587, 67588, 67589, 67590, 67591, 67592, 67593, 67594, 67595, 67596, 67597, 67598, 67599, 67600, 67601, 67602, 67603, 67614, 67615, 67616, 67617, 67618, 67619, 77200, 78586, 78587, 78588, 78589, 78590, 79068, 79166, 79167, 79168, 79169, 79170, 79171, 79172, 79173, 79174, 79175, 79176, 79177, 79181, 79182, 79183, 79184, 79185, 79186, 79187, 79188, 79189, 79190, 79191, 79192, 79689, 79690, 79691, 79692, 79693, 79694, 79695, 79696, 79697, 79698, 79699, 79700, 80478, 80479, 80480, 80496, 80497, 80498, 80499, 80500, 80501. - **MVZ:** 107715, 173817, 173818, 173819, 173820, 173821, 173822, 173823, 173824, 173825, 173826, 173827, 173828, 173829, 173830, 173831, 173832, 173833, 173834, 173835, 173836, 173837, 173838, 173839, 173840, 173841, 173842, 173843, 173844. - **OMNH:** 11156, 11157, 11158, 11159, 11160, 11161, 11162, 11163, 11164, 11165, 11166, 11167, 11168, 11169, 11170, 11171, 613. - **SMF:** 40647, 40648. - **TTU:** 34780. - **USNM:** 18539, 282388, 282389, 282390, 282391, 282392, 282393, 282394, 282395, 282396, 282397, 282398, 282399, 282400, 282401, 282402, 282403, 282404, 282405, 282459, 282460, 282461, 283289, 312141, 312142, 312143, 312144, 312145, 312146, 312147, 312148, 312149, 312150, 312151, 312152, 312153, 312154, 312155, 312156, 312158, 312159, 312160, 312161, 312162, 312163, 312164, 312165, 312166, 312167, 312168, 312169, 312170, 312171, 312172, 312173, 312174, 312175, 312176, 312177, 312178, 312179, 312180, 312181, 312182, 312183, 312184, 312185, 312186. - **ZFMK:** 192, 193. - **ZMB:** 385, 564.b, 564.c.
Rhinopoma microphyllum (Brünnich, 1782):
BMNH: 1894.7.22.2, 1894.7.22.3, 1909.7.1.10. - **FMNH:** 123218, 75081, 75082, 79178, 79179, 79180, 79683, 79684, 79685, 79686, 79758, 80481, 80502, 80503, 82019. - **MVZ:** 107714. - **OMNH:** 11185, 11186, 11187, 11188, 11189, 11190, 11191, 11192. - **TTU:** 34779. - **USNM:** 18538, 282458, 283282, 283283, 283284, 283285, 283286, 283287, 283288, 283290, 283291, 283292, 283302, 294119, 294120, 294121, 294122, 294123, 312221, 312222, 312223, 312227, 312228, 312229. - **ZMB:** 564.a.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 78591, 78592, 78593, 78594, 79150, 79151, 79152, 79153, 79154, 79155, 79156, 79157, 79158, 79159, 79160, 79161, 79162, 85522, 89707, 89708, 89826, 89827, 90461, 90462, 90463, 91390, 91391, 91392, 91393, 91394, 91395, 91396, 91397, 91398, 91399, 91400, 91401, 91402, 91403. - **MCZ:** 6748, 6749. - **MNHN:** A.70. - **NMW:** 15203. - **OMNH:** 612, 8714, 8715. - **USNM:** 187266, 294081, 294082, 294083, 294084, 294085, 294086, 294087, 294088, 294089, 294090, 294091, 294092, 294093, 312121, 312122, 312123, 312124, 312125, 312126, 312127, 312128, 312129, 312130, 312131, 312132, 312133, 312134, 312135, 312139, 312140, 341934, 368677, 368678, 368679, 368680, 368681, 368682. - **YPM:** MAM 014982.
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
FMNH: 91482. - **USNM:** 368839.
Tadarida teniotis (Rafinesque, 1814):
FMNH: 79757. - **MSNG:** 44418. - **USNM:** 143133, 298389, 312829.
Taphozous nudiventris Cretzschmar, 1830:
AMNH: 27391. - **CM:** 62342. - **FMNH:** 74479, 77166, 77195, 77196, 77197, 79097, 79206, 80734. - **IVB:** E28. - **MUB:** 1.1.108, 1.1.109. - **NMP:** e20, e21. - **SMF:** 12080, 12081, 12282, 12283. - **USNM:** 300207, 300208, 300209, 300210, 312230, 312231, 312235. - **YPM:** MAM 002817.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 67558, 67559, 67560, 67561, 67562, 67563, 67564, 67565, 67566, 77167, 77168, 77169, 77170, 77171, 77172, 77173, 77174, 77175, 77176, 77177, 77178, 77179, 77180, 77181, 77182, 77183, 77184, 77185, 77186, 77187, 77188, 77189, 77190, 77191, 77192, 77193, 77194, 77198, 79196, 79197, 79198, 79199, 79200, 79201, 79202, 79203, 79204, 79205, 89809, 89810, 89811, 89812, 89813, 89814. - **OMNH:** 11115, 11116, 11117, 11118, 11119, 11120, 11121, 11122, 11123, 11124, 11125, 11126, 11127, 11128, 11140, 11141, 11142, 11143, 11144, 11145, 11146, 11147. - **USNM:** 282462, 300201, 300202, 300203, 300204, 300205, 300206, 312265, 312266, 312267, 312268, 312269, 312270, 312271, 312272, 312273, 312274, 312275, 312276, 312277, 312278, 312279, 312280, 312281, 312282, 312283, 312284

NE 29031Cd:

CHIROPTERA Blumenbach, 1779:
ZMB: 5353.
Otonycteris hemprichii Peters, 1859:
FMNH: 80781, 80782, 80783, 80784, 80796.
Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 91650, 91651. - **USNM:** 283293.
Rhinopoma cystops Thomas, 1903:
FMNH: 123196, 123199, 123200, 123202, 123203, 123204, 123205, 123206, 123209, 123210, 123212, 79194, 79195.
Taphozous nudiventris Cretzschmar, 1830:
FMNH: 143934, 143935, 143936, 143937, 143938, 143939, 143940, 143941. - **ZMB:** 15029, 15030

NE 29032Cd:

Pipistrellus rueppellii (Fischer, 1829):
HZM: 12.12114

NE 29032Da:

Pipistrellus rueppellii (Fischer, 1829):
ZFMK: 1981.0254

NE 29032Dc:

Nycticeinops schlieffenii (Peters, 1859):
SMF: 11956.
Pipistrellus rueppellii (Fischer, 1829):
HZM: 7.12109. - **LACM:** 72040

NE 29033Cc:

Plecotus christii Gray, 1838:
NMP: 90533

NE 29034Ca:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
USNM: 122150, 122151, 122152.
Plecotus christii Gray, 1838:
NMP: 90523.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NMP: 90520

NE 29034Ba:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NMP: 90527, 90528.
Tadarida teniotis (Rafinesque, 1814):
NMP: 90524, 90525, 90526, 90529, 90530, 90531, 90532

NW 28017Db:

Hypsugo savii (Bonaparte, 1837):
BMNH: 1907.1.1.423

NW 28017Dd:

Pipistrellus Kaup, 1829:
ZMA: MAM.23442.
Pipistrellus maderensis (Dobson, 1878):
EBD: MAM 16029.
Plecotus E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.23440.
Plecotus teneriffae Barrett-Hamilton, 1907:
BMNH: 1887.4.18.1

NW 28016Bc:

Pipistrellus maderensis (Dobson, 1878):
SMF: 5363.
Pipistrellus pipistrellus (Schreber, 1774):
MNHN: ZM-AC-A6981

NW 28015Ab:

Hypsugo savii (Bonaparte, 1837):
BMNH: 1913.7.26.6

NW 28015Ba:

Pipistrellus maderensis (Dobson, 1878):
MCZ: 11675

NW 28011Ac:

Hipposideros tephrus (Cabrera, 1906):
ROM: 54773

NW 28010Cc:

Pipistrellus kuhlii (Kuhl, 1817):
MNHN: ZM-MO-1950-144A, ZM-MO-1950-144B

NW 28009Cb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-883, ZM-MO-1985-884. - **RMCA:** 73.041-M-0008, 73.041-M-0009, 73.041-M-0010, 73.041-M-0011, 73.041-M-0012, 73.041-M-0013, 73.041-M-0014, 73.041-M-0015, 73.041-M-0016, 73.041-M-0017, 73.041-M-0018, 73.041-M-0019, 73.041-M-0020, 73.041-M-0021, 73.041-M-0022, 73.041-M-0023, 73.041-M-0024, 73.041-M-0025, 73.041-M-0026, 73.041-M-0027, 73.041-M-0028, 73.041-M-0029, 73.041-M-0030, 73.041-M-0031, 73.041-M-0032, 73.041-M-0033, 73.041-M-0034, 73.041-M-0035, 73.041-M-0036, 73.041-M-0037, 73.041-M-0038, 73.041-M-0039, 73.041-M-0040, 73.041-M-0041, 73.041-M-0042, 73.041-M-0043, 73.041-M-0044, 73.041-M-0045, 73.041-M-0046, 73.041-M-0047, 73.041-M-0048, 73.041-M-0049. - **USNM:** 470612, 470613, 470614, 470615, 470616, 470617, 470618, 470619, 470620, 470621, 470622, 470623, 470624, 470625, 470626, 470627, 470628, 470629, 470630, 470631, 470632, 470633, 470634, 470635, 470636, 470637, 470638, 470639, 470640, 470641, 470642, 470643, 470644, 470645, 470646, 470647, 470648, 470649, 470650, 470651, 470652, 470653, 470654, 470655, 470656, 470657, 476922, 476923, 476924

NE 28028Bd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 106071, 143962, 143963, 143964, 143965, 143966, 143967, 143968, 143969, 143970, 143971, 143972, 143973, 143974, 143975, 143976, 143977, 143978, 143979, 143980, 143981, 143982, 143983, 143984, 143985, 143986, 143987, 143988, 143989, 143990, 143991.
Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 84793, 84794, 84795. - **MNHN:** ZM-MO-1985-1012, ZM-MO-1985-1013, ZM-MO-1985-1014.
Pipistrellus rueppellii (Fischer, 1829):
NMP: 94967, 94970.
Taphozous nudiventris Cretzschmar, 1830:
NMP: 94971, 94972, 94973

NE 28033Cb:

Rhinolophus clivosus Cretzschmar, 1828:
USNM: 297745, 297746, 297747, 297748

NE 28033Ba:

Plecotus christii Gray, 1838:
BMNH: 1903.12.8.5. - **NMP:** 90518, 90519. - **ZMB:** 75679

NE 28033Da:

Otonycteris hemprichii Peters, 1859:
NMP: 90495, 90500.
Plecotus christii Gray, 1838:
NMP: 90496, 90499.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 68181, 68182, 68183, 68184, 68185, 68186, 68187, 68188, 68189, 68190. - **NMP:** 90498.
Rhinolophus hipposideros (Bechstein, 1800):
FMNH: 74476.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NMP: 90501, 90502, 90503, 90504, 90505, 90506, 90507, 90508, 90509, 90510, 90511

NE 28033Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1883.8.26.1.
Plecotus christii Gray, 1838:
NMP: 90497

NE 27002Ab:

Pipistrellus kuhlii (Kuhl, 1817):
CM: 79071

NE 27014Cb:

Otonycteris hemprichii Peters, 1859:
NMP: LI-24

NE 27031Aa:

Rhinopoma cystops Thomas, 1903:
FMNH: 87771, 87772, 87773, 87774.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 87766, 87767, 87768

NE 27031Ac:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
USNM: 16337

NE 27033Ab:

Plecotus christii Gray, 1838:
NMP: 90118, 90119.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMP: 91995, 91996, 91997, 91998, 91999, 92001

NE 27033Bb:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMF: 26104

NE 27035Dc:

Rhinolophus clivosus Cretzschmar, 1828:
SMF: 4371

NE 26013Ca:

Pipistrellus kuhlii (Kuhl, 1817):
NMP: 48320

NE 26013Cb:

Pipistrellus kuhlii (Kuhl, 1817):
NMP: 48321

NE 26013Dc:

Pipistrellus kuhlii (Kuhl, 1817):
NMP: 48304, 48305, 48313, 48314, 48315

NE 26032Ba:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 143992, 143993, 143994, 143995, 143996, 143997, 143998, 143999, 144000, 15089. - **SMF:** 32910. - **ZMB:** 67274, 67275, 67276, 67277, 8381, 85641.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 143955, 143956, 143957, 143958, 143959, 143960, 143961. - **ZMB:** 21048.
Rhinopoma cystops Thomas, 1903:
AMNH: 244133, 244134. - **CM:** 78812, 78814, 78819, 78820, 78821. - **FMNH:** 123215, 123216, 123217. - **SMNS:** 17476, 17477, 17478

NE 26032Bd:

Taphozous nudiventris Cretzschmar, 1830:
FMNH: 123182

NE 26034Ab:

Otonycteris hemprichii Peters, 1859:
ZMB: 5210.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
ZMB: 5211

NE 25009Ca:

Rhinolophus clivosus Cretzschmar, 1828:
MNHN: ZM-MO-1985-890

NE 25013Dd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
SMF: 11787.
Pipistrellus kuhlii (Kuhl, 1817):
BMNH: 1902.11.4.1

NE 25028Bd:

Plecotus christii Gray, 1838:
NMP: 93849

NE 25028Db:

Taphozous nudiventris Cretzschmar, 1830:
NMP: 94974, 94975, 94976, 94977

NE 25030Ba:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1921.5.6.3

NE 25030Bc:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 144035

NE 25032Cb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1892.9.9.16

NE 25032Cd:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
YPM: MAM 002854, MAM 002855, MAM 002856, MAM 002857, MAM 002858, MAM 002859

NE 25032Bc:

Rhinopoma cystops Thomas, 1903:
FMNH: 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 74494, 74495, 74496. - **USNM:** 312136, 312137, 312138

NE 25032Da:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 144001, 144002, 144003, 144004, 144005, 144006, 144007, 144008, 144009, 144010, 144011, 144012, 144013, 144014, 144015, 144016, 144017, 144018, 144019, 144020. - **MNHN:** ZM-MO-1881-1600, ZM-MO-1881-1601. - **SAMA:** M4404, M4405, M4406, M4407. - **UMMZ:** 161048, 161049, 161050, 161051, 161052, 161053, 161054, 161055, 161056, 161057, 161058, 161059, 161060. - **ZMA:** MAM.18411.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1871, 1892.9.9.14, 1892.9.9.15, 1923.6.4.6. - **MNHN:** 889, ZM-AC-A6941, ZM-AC-A6942. - **SMF:** 63526.
Otonycteris hemprichii Peters, 1859:
NMP: 92616.
Plecotus christii Gray, 1838:
BMNH: 1892.9.9.17, 1892.9.9.19. - **MSNG:** 45050.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 123219, 123220, 123221.
Rhinopoma cystops Thomas, 1903:
BMNH: 1902.1.17.1, 1902.1.17.2. - **FMNH:** 47782, 47783, 47784, 47785.
Rhinopoma microphyllum (Brünnich, 1782):
MHNG: 683.031. - **SAMA:** M4473.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 47772, 47773, 47774, 47775, 47776, 47777, 47778, 47779, 47780, 47781.
Taphozous nudiventris Cretzschmar, 1830:
IVB: E21, E22, E23, E24, E25, E26, E27. - **SAMA:** M4474.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
WAM: M23232, M23233.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 47786, 47787, 47788, 47789, 47790, 47791, 47792

NE 25033Ab:

Rhinolophus clivosus Cretzschmar, 1828:
NMP: 91987

NE 24000Ca:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1983-503.
Otonycteris hemprichii Peters, 1859:
MNHN: ZM-MO-1983-501, ZM-MO-1983-502, ZM-MO-1985-1923.
Pipistrellus kuhlii (Kuhl, 1817):
MNHN: ZM-2006-253.
Rhinolophus clivosus Cretzschmar, 1828:
MNHN: ZM-MO-1985-889, ZM-MO-1991-346, ZM-MO-1991-347, ZM-MO-2006-246, ZM-MO-2006-247, ZM-MO-2006-248

NE 24030Da:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 144021, 144022, 144023, 144024, 144025, 144026, 144027, 144028, 144029, 144030, 144031, 144032, 144033, 144034

NE 24032Bb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
ZMA: MAM.18412.
Otonycteris hemprichii Peters, 1859:
ZMB: 441.
Rhinolophus clivosus Cretzschmar, 1828:
NMP: 92584.
Rhinopoma cystops Thomas, 1903:
BMNH: 1892.9.9.38. - **CM:** 62309. - **FMNH:** 123183, 123184, 123185, 123186, 123187, 123188, 123189, 123190, 123191, 123192, 123193, 123194.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 143930, 143931. - **YPM:** MAM 002818, MAM 005614, MAM 005615, MAM 005616, MAM 005617, MAM 005618, MAM 005619, MAM 014575, MAM 014576, MAM 014577, MAM 014578

NE 24032Bd:

Hypsugo ariel (Thomas, 1904):
NMP: 92597.
Rhinolophus clivosus Cretzschmar, 1828:
NMP: 92596.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
MNHN: A.372

NE 24032Dd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
SMF: 22681, 22682, 22683, 22684, 22685, 22686, 22687, 22688, 22689, 22690, 22691, 22692, 22693, 22694, 22695, 22696, 22697, 22698, 22699.
Rhinopoma cystops Thomas, 1903:
CM: 62305, 62306, 62307, 62308, 62310, 62311, 62312, 62313, 62314, 62315, 62317. - **SMF:** 22671, 22672, 22673, 22674, 22675, 22676, 22677, 22678, 22679, 22680

NE 24033Ca:

Rhinolophus clivosus Cretzschmar, 1828:
MSNG: 44290

NE 23005Ca:

Pipistrellus kuhlii (Kuhl, 1817):
USNM: 482699

NE 23032Dd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
SAMA: M15224, M15225, M15226, M15227, M15228, M15229, M15230, M15231, M15232, M15233, M15234, M15235, M15236, M15237, M15238, M15239, M15240, M15241, M15242, M15243, M15244, M15245, M15246, M15247, M15248, M15249

NE 23034Bd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 80870, 80871, 80872, 80873, 80874, 80875, 82457, 82458. - **USNM:** 312643

NE 22005Cc:

Rhinopoma cystops Thomas, 1903:
SMF: 51643. - **ZFMK:** 1976.0318

NE 22005Cd:

Hypsugo savii (Bonaparte, 1837):
CM: 79138, 79139, 79140, 79141, 79142.
Pipistrellus kuhlii (Kuhl, 1817):
CM: 79068, 79069, 79070

NE 22005Dc:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-874, ZM-MO-1985-881, ZM-MO-1985-882.
Rhinolophus Lacépède, 1799:
MNHN: ZM-MO-1985-941

NE 22031Bc:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
YPM: MAM 002834, MAM 002835, MAM 002875, MAM 005514.
Rhinopoma cystops Thomas, 1903:
YPM: MAM 005509, MAM 005510, MAM 005512. - **ZFMK:** 191.
Rhinopoma microphyllum (Brünnich, 1782):
YPM: MAM 005511, MAM 005513, MAM 005515, MAM 005522, MAM 005590, MAM 005750.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMNH: MAM.17668. - **YPM:** MAM 002860, MAM 002861, MAM 002862, MAM 002863, MAM 002864

NE 22032Ca:

Pipistrellus kuhlii (Kuhl, 1817):
FMNH: 91488, 91489

NE 22035Aa:

Hypsugo ariel (Thomas, 1904):
BMNH: 1904.11.4.6, 1904.11.4.7.
Rhinolophus clivosus Cretzschmar, 1828:
BMNH: 1904.11.4.2

NE 21017Da:

Pipistrellus kuhlii (Kuhl, 1817):
RMCA: 31164.
Rhinopoma cystops Thomas, 1903:
RMCA: 31165, 31166

NE 21031Cd:

Pipistrellus kuhlii (Kuhl, 1817):
MHNG: 1626.004, 1626.005, 1626.006

NW 20013Aa:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-2008-95.
Hipposideros caffer (Sundevall, 1846):
EBD: MAM 26178.
Hipposideros tephrus (Cabrera, 1906):
MNHN: ZM-2008-96, ZM-MO-1981-909

NW 20013Ac:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1993-4319, ZM-MO-1993-4320

NE 20002Aa:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1991-1036.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1987-239.
Nycticeinops schlieffenii (Peters, 1859):
MNHN: ZM-MO-1987-238

NE 20012Cd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1962-1092 A, ZM-MO-1962-1092 B

NE 20016Ac:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
RMCA: 31163

NE 20030Dc:

Plecotus christii Gray, 1838:
NMP: 93679

NE 20032Aa:

Eidolon helvum (Kerr, 1792):
NMV: C1920.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 3035.
Macronycteris vittatus (Peters, 1852):
ZMB: 74612.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 12351.
Pipistrellus kuhlii (Kuhl, 1817):
RBINS: 12328.
Scotophilus leucogaster (Cretzschmar, 1826):
RMNH: MAM.27433.
Taphozous nudiventris Cretzschmar, 1830:
MNHN: ZM-MO-1999-921, ZM-MO-1999-930

NE 20033Ca:

Scotophilus Leach, 1821:
MNHN: ZM-MO-1997-2041

NW 19014Cd:

Rhinopoma cystops Thomas, 1903:
MNHN: ZM-MO-1995-1825. - **USNM:** 384843, 384847, 384849, 384853, 384855, 384856, 384860, 384869, 384870, 384871, 384872, 384873, 384874, 384875, 384877, 384879, 384880, 384881, 400464, 400465, 400466, 400469, 400470, 400471, 400472, 400473, 400474, 478566, 478567, 478568, 478569, 478570, 478571, 478572.
Rhinopoma microphyllum (Brünnich, 1782):
MNHN: ZM-MO-1995-1824. - **USNM:** 384835, 384836, 384837, 384838, 384839, 384840, 384841, 384842, 384844, 384845, 384846, 384848, 384850, 384851, 384852, 384854, 384857, 384858, 384859, 384861, 384862, 384863, 384864, 384865, 384866, 384867, 384868, 384876, 384878, 384946, 400467, 400468, 400475, 478573, 478574, 478575, 478576, 478577, 478578, 478579, 478580, 478581, 478582, 478583, 478584, 478585

NE 19020Ab:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
USNM: 319627, 319628, 319629, 319630

NE 19030Ab:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 3043.
Rhinopoma cystops Thomas, 1903:
ZMB: 4100.
Taphozous nudiventris Cretzschmar, 1830:
NMP: 93668, 93669.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 62608

NE 19030Cb:

Pipistrellus rueppellii (Fischer, 1829):
MHNG: 1626.022.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
MCZ: 14889

NE 19037Ca:

Nycticeinops schlieffenii (Peters, 1859):
SMF: 33143.
Rhinolophus clivosus Cretzschmar, 1828:
MSNG: 46965

NE 19037Ab:

Coleura afra (Peters, 1852):
SMF: 32921, 32922, 32923, 32924, 32925, 32926, 32927, 32928, 32929, 32930, 32931, 32932, 32933, 32934, 32935, 32936, 32937, 32938, 32939, 32940, 32941, 32942, 32943, 32944, 32945, 32946, 32947, 32948, 32949, 32950, 32951, 32953, 32955, 32957

NW 18016Aa:

Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1997-2105, ZM-MO-1997-2106, ZM-MO-1997-2107, ZM-MO-1997-2108

NE 18001Cd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1989-30

NE 18007Cb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1981-15

NE 18030Bb:

Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 77205, 77206, 77207

NE 18031Bc:

Eptesicus floweri (de Winton, 1901):
BMNH: 1915.3.6.69

NE 18031Db:

Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829):
AMNH: 83391.
Rhinopoma cystops Thomas, 1903:
BMNH: 1904.11.3.10, 1904.11.3.11

NE 18033Da:

Plecotus christii Gray, 1838:
BMNH: 1849.2.8.35

NE 18037Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1915.3.6.5, 1915.5.6.4, 1915.5.6.5

NW 17025Aa:

Miniopterus inflatus Thomas, 1903:
MZUF: 12221, 12514

NW 17016Aa:

Nycticeinops schlieffenii (Peters, 1859):
USNM: 401423, 401424, 401425, 479496

NW 17014Da:

Hipposideros tephrus (Cabrera, 1906):
MNHN: ZM-MO-1913-664 A, ZM-MO-1913-664 B, ZM-MO-1913-664 C, ZM-MO-1913-664 D.
Nycticeinops schlieffenii (Peters, 1859):
MNHN: ZM-MO-1913-662 A, ZM-MO-1913-662 B, ZM-MO-1913-662 C, ZM-MO-1913-662 D, ZM-MO-1913-662 E, ZM-MO-1913-662 F, ZM-MO-1913-662 G, ZM-MO-1913-662 H, ZM-MO-1913-662 I, ZM-MO-1913-662 J, ZM-MO-1913-662 K, ZM-MO-1913-662 L, ZM-MO-1913-662 M, ZM-MO-1913-662 N, ZM-MO-1913-662 O, ZM-MO-1913-662 P, ZM-MO-1913-662 Q, ZM-MO-1913-662 R, ZM-MO-1913-662 S, ZM-MO-1913-662 T, ZM-MO-1913-662 U, ZM-MO-1913-662 V, ZM-MO-1913-662 W, ZM-MO-1913-662 X, ZM-MO-1913-662 Y, ZM-MO-1913-662 Z, ZM-MO-1913-662 ZA.
Rhinolophus landeri Martin, 1838:
MNHN: ZM-MO-1913-563, ZM-MO-1913-663 A, ZM-MO-1913-663 B, ZM-MO-1913-663 C, ZM-MO-1913-663 D, ZM-MO-1913-663 E, ZM-MO-1913-663 F

NW 17013Bb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
USNM: 401388, 401389, 401390, 401391, 401392, 401393, 401394, 401395, 401396, 401397, 401398, 401399, 401400, 401401, 401402, 401403, 401404, 401405, 401406, 401407, 401408, 401409, 401410, 401411, 401412, 401413, 401414, 401415, 401416, 401417, 401418, 401419, 576044, 576045, 576046, 576047, 576048, 576049, 576050, 576051, 576052, 576053.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 401427, 401428, 479497, 479498.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 401431, 401432.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1985-1682

NW 17012Cd:

Rhinopoma microphyllum (Brünnich, 1782):
MNHN: ZM-MO-1995-3142

NE 17022Ac:

Pipistrellus rueppellii (Fischer, 1829):
MNHN: ZM-MO-1985-1034.
Taphozous E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-2001-505, ZM-MO-2001-506

NW 16025Cc:

Hypsugo savii (Bonaparte, 1837):
MZUF: 12222, 1399.
Pipistrellus hesperidus (Temminck, 1840):
MZUF: 10597

NW 16016Ab:

Scotophilus nigrita (Schreber, 1774):
MVZ: 136358

NW 16016Ad:

Pipistrellus rueppellii senegalensis Dorst, 1960:
MNHN: ZM-MO-1995-2677.
Scotophilus nigrita (Schreber, 1774):
IVB: Sen1967, Sen1968

NW 16015Aa:

Nycteris macrotis Dobson, 1876:
MNHN: ZM-MO-1977-633, ZM-MO-1977-634, ZM-MO-1977-635, ZM-MO-1977-636, ZM-MO-1977-637, ZM-MO-1977-638, ZM-MO-1995-646

NW 16015Ab:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1995-1831, ZM-MO-1995-1832, ZM-MO-1995-1833, ZM-MO-1995-1834, ZM-MO-1995-1835, ZM-MO-1995-1836, ZM-MO-1995-1837, ZM-MO-1995-1838

NW 16015Bc:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1960-82 A, ZM-MO-1960-82 B, ZM-MO-1984-1209, ZM-MO-1984-1364, ZM-MO-1984-1365, ZM-MO-1984-1366, ZM-MO-1984-1367, ZM-MO-1984-1368, ZM-MO-1984-1369, ZM-MO-1984-1370, ZM-MO-1984-1371, ZM-MO-1985-261.
Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1995-3137.
Hipposideros beatus (K. Andersen, 1906):
MNHN: ZM-MO-1985-780.
Hipposideros caffer (Sundevall, 1846):
MCZ: 3267. - **MNHN:** ZM-MO-1984-1252, ZM-MO-1984-1282, ZM-MO-1984-1283, ZM-MO-1984-1284, ZM-MO-1984-1285, ZM-MO-1984-1286, ZM-MO-1984-1287, ZM-MO-1984-1288, ZM-MO-1984-1289, ZM-MO-1984-1290, ZM-MO-1984-1291, ZM-MO-1984-1324, ZM-MO-1984-1325.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1960-83, ZM-MO-1984-1362, ZM-MO-1984-1363, ZM-MO-1984-1644.
Mops (Mops) midas (Sundevall, 1843):
MNHN: ZM-MO-1960-84.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1984-1277, ZM-MO-1984-1278, ZM-MO-1984-1326, ZM-MO-1984-1327, ZM-MO-1984-1328, ZM-MO-1984-1329, ZM-MO-1984-1330, ZM-MO-1984-1331, ZM-MO-1984-1332, ZM-MO-1985-291, ZM-MO-1985-292.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1984-1339, ZM-MO-1984-1340, ZM-MO-1984-1341, ZM-MO-1984-1342, ZM-MO-1984-1343, ZM-MO-1985-1009, ZM-MO-1985-1010, ZM-MO-1985-1011, ZM-MO-1985-293.
Pipistrellus rueppellii senegalensis Dorst, 1960:
MNHN: ZM-MO-1960-81, ZM-MO-1982-1033.
Pipistrellus rusticus (Tomes, 1861):
MNHN: ZM-MO-1984-1251.
Scotophilus nigrita (Schreber, 1774):
MNHN: ZM-MO-1960-80.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1984-1275, ZM-MO-1984-1276

NW 16015Da:

Pipistrellus rueppellii (Fischer, 1829):
IVB: S1981, S1982.
Taphozous E. Geoffroy St.-Hilaire, 1818:
ZMB: 41259, 41260, 41261, 41262, 41263, 41264, 41265, 41266, 41267, 41268, 41269, 41270, 41271, 41272.
Vespertilioninae Gray, 1821:
ZMB: 40530

NW 16015Db:

Hipposideros tephrus (Cabrera, 1906):
USNM: 401384, 401385, 401386, 401387, 479268.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 401433, 401434, 401435, 401436, 401437, 401438, 401439, 401440, 401441, 401442, 401443, 401444, 401445, 401446, 401447, 401448, 401449, 401450, 401451, 401452, 401453, 401454, 401455, 401456, 401457, 401458, 401459, 401460, 401461, 401462, 401463, 401464, 401465, 401466, 401467, 401468, 401469, 401470, 401471, 401472, 401473, 401474, 401475, 401476, 401477, 401478, 401479, 401480, 401481, 401482, 401483, 401484, 401485, 401486, 401487, 401488, 401489, 401490, 401491, 401492, 401493, 401494, 401495, 401496, 401497, 401498, 401499, 401500, 401501, 401502, 479920, 479921, 479922, 479923, 479924, 479925, 479926, 479927, 479928, 479929, 479930, 479931, 479932, 479933, 479934, 479935, 479936, 479937, 479938, 479939, 479940, 479941, 479942, 479943, 479944, 479945, 479946, 479947, 479948, 479949, 479950, 479951, 479952.
Nycteris hispida (Schreber, 1774):
USNM: 401332, 401333, 401334, 401335, 401336, 401337, 401338, 401339, 401340, 401341, 401342, 401343, 401344, 401345, 401346, 401347, 401348, 401349, 401350, 401351, 401352, 401353, 401354, 401355, 401356, 401357, 401358, 401359, 401360, 401361, 401362, 401363, 401364, 401365, 401366, 401367, 401368, 401369, 401370, 401371, 401372, 401373, 401374, 401375, 401376, 401377, 401378, 401379, 401380, 401381, 401382, 401383, 478802, 478803, 478804, 478805, 478806, 478807, 478808, 478809, 478810, 478811, 478812, 478813, 478814, 478815, 478816, 478817, 478818, 478819, 478820, 478821, 478822, 478823, 478824, 478825, 478826, 478827, 478828, 478829, 478830, 478831, 478832, 478833, 478834, 478835, 478836, 478837, 478838, 478839, 478840, 478841, 478842, 478843, 478844, 478845, 478846, 478847, 478848, 478849, 478850, 478851, 478852, 478853, 478854, 478855, 478856, 478857, 478858, 478859, 478860, 478861, 478862, 478863, 478864, 478865, 478866, 478867, 478868, 478869, 478870, 478871, 478872, 478873, 478874, 478875, 478876, 478877, 478878, 478879, 478880, 478881, 478882, 478883, 478884, 478885, 478886, 478887, 478888, 478889, 478890, 478891, 478892, 478893, 478894, 478895, 478896, 478897, 478898, 478899, 478900, 478901, 478902, 478903, 478904, 478905, 478906, 478907, 478908, 478909, 478910, 478911, 478912, 478913, 478914, 478915, 478916, 478917, 478918, 478919, 478920, 478921, 478922, 478923, 478924, 478925, 478926.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 401422.
Pipistrellus rueppellii (Fischer, 1829):
USNM: 401420, 401421

NW 16014Ac:

Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 377864, 377865, 377866, 377867, 377868, 377869, 377870, 377871, 377872, 377873, 377874, 377875, 377876, 377877, 377878

NW 16014Cb:

Nycticeinops schlieffenii (Peters, 1859):
USNM: 401426.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 401331

NW 16014Db:

Mops (Mops) condylurus (A. Smith, 1833):
USNM: 377979, 377980, 377981, 377982, 377983, 377984, 377985, 377986, 377987, 377988, 377989, 377990, 377991, 377992, 377993, 377994, 377995, 377996, 377997, 377998, 377999, 378000, 378001, 378002, 378003, 378004, 378005, 378006, 378007, 378008, 378009, 378010, 378011, 378012, 378013, 378014, 378015, 378016, 378017, 378018, 378019, 378020, 378021, 378022, 378023, 378024, 378025, 378026, 378027, 378028, 381397, 381398, 381399, 381400, 381401, 381402, 381403, 381404, 381405, 381406, 381407, 381408, 381409, 381410, 381411.
Nycteris hispida (Schreber, 1774):
USNM: 377879, 377880, 377881, 377882, 377883, 377884, 377885, 377886, 377887, 377888, 377889, 377890, 377891, 377892, 377893, 377894, 377895, 377896, 381328

NW 16013Ba:

Nycteris macrotis Dobson, 1876:
NMP: 93607

NW 16007Bc:

Eptesicus floweri (de Winton, 1901):
EBD: MAM 26179, MAM 26180.
Pipistrellus rueppellii (Fischer, 1829):
EBD: MAM 26181

NW 16003Cc:

Chaerephon major (Trouessart, 1897):
BMNH: 1932.7.4.1.
Neoromicia nana (Peters, 1852):
FMNH: 44717, 44718

NW 16003Ad:

Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 90390

NW 16002Dd:

Neoromicia nana (Peters, 1852):
ZMUC: 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1485

NW 16000Cd:

Chaerephon leucogaster (A. Grandidier, 1869):
MNHN: 736a

NE 16006Dd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
RMCA: 73.041-M-0071, 73.041-M-0072, 73.041-M-0073, 73.041-M-0074, 73.041-M-0075, 73.041-M-0076, 73.041-M-0077, 73.041-M-0078, 73.041-M-0079, 73.041-M-0080, 73.041-M-0081, 73.041-M-0082, 73.041-M-0083, 73.041-M-0084, 73.041-M-0085, 73.041-M-0086, 73.041-M-0087, 73.041-M-0088, 73.041-M-0089, 73.041-M-0090, 73.041-M-0091, 73.041-M-0092, 73.041-M-0093, 73.041-M-0094, 73.041-M-0095, 73.041-M-0096, 73.041-M-0097, 73.041-M-0098, 73.041-M-0099, 73.041-M-0100, 73.041-M-0101, 73.041-M-0102, 73.041-M-0103, 73.041-M-0104, 73.041-M-0105, 73.041-M-0106, 73.041-M-0107, 73.041-M-0108, 73.041-M-0109, 73.041-M-0110, 73.041-M-0111, 73.041-M-0112, 73.041-M-0113, 73.041-M-0114.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.041-M-0129.
Rhinopoma cystops Thomas, 1903:
RMCA: 73.041-M-0050, 73.041-M-0051, 73.041-M-0052, 73.041-M-0053, 73.041-M-0054, 73.041-M-0055, 73.041-M-0056, 73.041-M-0057, 73.041-M-0058, 73.041-M-0059, 73.041-M-0060, 73.041-M-0061, 73.041-M-0115, 73.041-M-0116, 73.041-M-

0117, 73.041-M-0118, 73.041-M-0119, 73.041-M-0120, 73.041-M-0121, 73.041-M-0122, 73.041-M-0123, 73.041-M-0124, 73.041-M-0125, 73.041-M-0126, 73.041-M-0128.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.041-M-0062, 73.041-M-0063, 73.041-M-0064, 73.041-M-0065, 73.041-M-0066, 73.041-M-0067, 73.041-M-0068, 73.041-M-0069, 73.041-M-0070, 73.041-M-0127

NE 16007Ad:

Taphozous nudiventris Cretzschmar, 1830:
MNHN: ZM-MO-1985-274

NE 16008Da:

Rhinopoma cystops Thomas, 1903:
BMNH: 1925.5.12.3

NE 16013Cd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
RMCA: 73.042-M-0001, 73.042-M-0002, 73.042-M-0003, 73.042-M-0004, 73.042-M-0005, 73.042-M-0006, 73.042-M-0007, 73.042-M-0008, 73.042-M-0009, 73.042-M-0010, 73.042-M-0011, 73.042-M-0012, 73.042-M-0013, 73.042-M-0014, 73.042-M-0015, 73.042-M-0016, 73.042-M-0017, 73.042-M-0018, 73.042-M-0019, 73.042-M-0020, 73.042-M-0021

NE 16033Cb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
USNM: 123414.
Eptesicus floweri (de Winton, 1901):
BMNH: 1901.5.5.78.
Nycteris macrotis Dobson, 1876:
BMNH: 1901.5.5.4, 1901.5.5.5.
Pipistrellus rueppellii (Fischer, 1829):
SMF: 12385, 4308.
Rhinopoma cystops Thomas, 1903:
USNM: 123415.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 123413

NE 16036Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1897.12.3.2, 1897.12.3.3, 1897.12.3.4, 1898.6.8.1, 1898.6.8.2, 1898.6.8.3, 1898.6.8.4

NW 15023Aa:

Plecotus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1983-1467

NW 15023Ac:

Taphozous nudiventris Cretzschmar, 1830:
MNHN: ZM-MO-1986-375, ZM-MO-1986-376

NW 15023Ba:

Taphozous nudiventris Cretzschmar, 1830:
MNHN: ZM-MO-1986-377, ZM-MO-1986-378, ZM-MO-1986-379

NW 15016Ca:

Nycteris macrotis Dobson, 1876:
USNM: 380244, 380245, 380246, 380247, 380248, 380249, 380250, 380251, 380252, 380253, 380254, 380255, 380256, 380257, 380258, 380259, 380260, 380261, 380262, 380263, 380264, 380265, 380266, 380267, 380268, 380269, 380270, 380271, 380272, 380273, 380274, 380275, 380276, 380277, 380278, 381387, 381388, 381389, 381390, 381391, 381392

NW 15016Cd:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 380296.
Eidolon helvum helvum (Kerr, 1792):
USNM: 380225, 380226, 380227

NW 15016Ba:

Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1995-625, ZM-MO-1995-638

NW 15015Ac:

Hipposideros beatus (K. Andersen, 1906):
USNM: 381364, 381365, 381366, 381367, 381368.
Hipposideros ruber (Noack, 1893):
USNM: 379154.
Hipposideros tephrus (Cabrera, 1906):
USNM: 379151, 379152, 379153, 379155, 379156, 379157, 379158, 379159, 379160, 379161, 379162, 379163, 379164, 379165, 379166, 379167, 379168, 379169, 379170, 379171, 379172, 379173, 379174, 379175, 379176, 379177, 379178, 379179, 379180, 379181, 379182, 379183.
Rhinolophus landeri Martin, 1838:
USNM: 379184, 379185, 379186, 379187, 379188, 379189, 379190, 379191, 379192, 379193.
Scotophilus leucogaster (Cretzschmar, 1826):
MNHN: ZM-MO-1976-421. - **USNM:** 379260, 379261, 379262, 379263, 379264, 379265, 379266

NW 15014Ad:

Nycteris macrotis Dobson, 1876:
MNHN: ZM-MO-1977-639, ZM-MO-1977-640.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1995-1808, ZM-MO-1995-1809

NW 15014Dd:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1995-612, ZM-MO-1995-613, ZM-MO-1995-614.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1995-1807, ZM-MO-1995-1810, ZM-MO-1995-1812, ZM-MO-1995-1814, ZM-MO-1995-1873

NW 15013Ca:

Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1995-627, ZM-MO-1995-628, ZM-MO-1995-629, ZM-MO-1995-630, ZM-MO-1995-631, ZM-MO-1995-632, ZM-MO-1995-633, ZM-MO-1995-634, ZM-MO-1995-635, ZM-MO-1995-636

NW 15013Cb:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1995-622.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1995-626. - **USNM:** 378029, 378030, 378031, 378032, 378033, 378034, 378035, 378036, 378037, 378038, 378039, 378040, 378041, 378042, 378043, 378044, 378045, 378046, 378047, 378048, 378049, 378050, 378051, 378052, 378053, 378054, 378055, 378056, 378057, 381412, 381413, 381414, 381415, 381416

NW 15013Bd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
USNM: 410748, 410749, 410750, 410751, 410752, 410753, 410754, 410755, 410756, 410757, 410758, 410759, 410760, 410761, 410762, 410763, 410764, 410765, 410766, 410767, 410768, 410769, 410770, 410771, 410772, 410773, 410774, 410775, 410776, 410777, 410778, 410779, 410780, 410781, 410782, 410783, 410784, 410785, 410786, 410787, 410788, 410789, 410790, 410791, 410792, 410793, 410794, 410795, 410796, 410797, 410798, 410799, 410800, 410801, 410802, 410803, 410804, 410805, 410806, 410807, 576054, 576055, 576056, 576057, 576058, 576059, 576060, 576061, 576062, 576063, 576064, 576065, 576066, 576067, 576068, 576069, 576070, 576071, 576072, 576073, 576074, 576075, 576113, 576114.
Nycteris macrotis Dobson, 1876:
USNM: 410746, 410747.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 410808

NW 15012Cc:

Nycticeinops schlieffenii (Peters, 1859):
USNM: 401429, 401430

NE 15002Cd:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-875, ZM-MO-1985-876, ZM-MO-1985-877, ZM-MO-1985-878.

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1984-1215

NE 15031Cc:

Coleura afra (Peters, 1852):
BMNH: 1933.10.14.2.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 67837.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
ZMB: 42426

NE 15032Ab:

Mops (Mops) midas (Sundevall, 1843):
ROM: 84905, 84906, 84907, 84908, 84909, 84910, 84911, 84912, 84913, 84914, 84915, 84916, 84918, 84919, 84920, 84921, 84922, 84923, 84924, 84925, 84926, 84927, 84928, 84929, 84930, 84931, 84932, 84933, 86726.
Pipistrellus rueppellii (Fischer, 1829):
ZFMK: 156, 157.
Rhinopoma cystops Thomas, 1903:
BMNH: 1903.2.7.10.
Rhinopoma microphyllum (Brünnich, 1782):
BMNH: 1903.2.7.11, 1903.2.7.12.
Taphozous nudiventris Cretzschmar, 1830:
ROM: 84917

NE 15032Ad:

Eptesicus floweri (de Winton, 1901):
BMNH: 1903.2.7.14

NE 15032Cb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
ROM: 85349.
Nycteris macrotis Dobson, 1876:
ROM: 85350.
Rhinopoma cystops Thomas, 1903:
ROM: 78112, 85330, 85331, 85332, 85333, 85334, 85335, 85336, 85337, 85338, 85339, 85340, 85341, 85342, 85343, 85344, 85345, 85346, 85347, 85348.
Rhinopoma microphyllum (Brünnich, 1782):
ROM: 85309, 85310, 85311, 85312, 85313, 85314, 85315, 85316, 85317, 85318, 85319, 85320, 85321, 85322, 85323, 85324, 85325, 85326, 85327, 85328, 85329.
Taphozous nudiventris Cretzschmar, 1830:
ROM: 85256, 85257, 85258, 85259, 85260, 85261, 85262, 85263, 85264, 85265, 85266, 85267, 85268, 85269, 85270, 85271, 85272, 85273, 85274, 85275, 85276, 85277, 85278, 85279, 85280, 85281, 85282, 85283, 85284, 85285, 85286, 85287, 85288, 85289, 85290, 85291, 85292, 85293, 85294, 85295, 85296, 85297, 85298, 85299, 85300, 85301, 85302, 85303, 85304, 85305, 85306, 85307, 85308

NE 15032Cd:

Rhinopoma cystops Thomas, 1903:
FMNH: 81580, 81581, 81582, 81583, 81584, 81585. - **HZM:** 13.3506, 25.5252, 26.5253, 27.5254, 28.5255, 29.5256, 9.3383.
Rhinopoma microphyllum (Brünnich, 1782):
HZM: 2.3381, 7.5250.
Taphozous nudiventris Cretzschmar, 1830:
FMNH: 81586

NE 15032Bc:

Mops (Mops) midas (Sundevall, 1843):
SMF: 78166

NE 15032Da:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 54406.
Eidolon helvum (Kerr, 1792):
BMNH: 1903.2.8.1. - **MSU:** MR.33566. - **ROM:** 77203, 77204. - **ZMA:** MAM.22179.
Eidolon helvum helvum (Kerr, 1792):
BMNH: 1903.2.8.1a.
Glauconycteris variegata (Tomes, 1861):
ZMA: MAM.22180.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1843-151A, ZM-MO-1843-151B, ZM-MO-1843-152. - **ZMB:** 67891, 67892, 67893.

Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-2003-735, ZM-MO-2003-736.
Mops (Mops) midas (Sundevall, 1843):
FMNH: 81547, 81548, 81550, 81551, 81552, 81553. - **ROM:** 77224.
Neoromicia somalica (Thomas, 1901):
MNHN: ZM-MO-1895-446, ZM-MO-1895-486.
Nycteris hispida (Schreber, 1774):
BMNH: 1863.3.9.3. - **NMW:** 27860, 27861, 27863, 27864, 27865, 27866, 27867, 27868, 27869, 27870, 27871.
Nycteris macrotis Dobson, 1876:
NMW: 10328, 10329, 10330, 10331.
Pipistrellus rueppellii (Fischer, 1829):
ROM: 62607. - **USNM:** 164964, 164965, 164966, 166522, 166523, 166524, 166525, 166526, 166527. - **ZMA:** MAM.22194, MAM.22195, MAM.22196, MAM.22197, MAM.22198, MAM.22199, MAM.22200, MAM.22201, MAM.22202, MAM.22203.
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829):
FMNH: 81559, 81560, 81561, 81562, 81563, 81564.
Rhinopoma cystops Thomas, 1903:
SMF: 21121, 21122, 21123, 21124, 21125, 21126, 21127, 21128, 21129, 21131, 21132, 21133, 21134, 21135, 21136, 21137, 21138, 21139.
Rhinopoma microphyllum (Brünnich, 1782):
ZMB: 2578, A.3243.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
SMNS: 674.
Scotophilus Leach, 1821:
ZMA: MAM.22182.
Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.22181, MAM.22183, MAM.22184.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 81554, 81555, 81558. - **ROM:** 77212. - **SMF:** 33059, 33060, 33061, 33062, 33063, 33064, 33065, 33066, 33067, 33068, 33069, 33070, 33071, 33072, 33073, 33074, 33075, 33076, 33077, 33078, 33079.
Scotophilus nigrita (Schreber, 1774):
MSU: MR.33567.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1906-113.
Taphozous nudiventris Cretzschmar, 1830:
IVB: S1. - **ROM:** 77211. - **SMF:** 21097, 21098, 21099, 21100, 21101, 21102, 21103, 21104, 21106, 21107, 21108, 21109, 21110, 21111, 21112, 21114, 21115, 21116, 21117, 21118, 21119.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
SMF: 21120

NE 15033Ab:

Eptesicus floweri (de Winton, 1901):
BMNH: 1900.8.6.20

NE 15036Ad:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
FMNH: 35379.
Cardioderma cor (Peters, 1872):
FMNH: 99547.
Epomophorus labiatus (Temminck, 1837):
FMNH: 105578, 99550, 99551, 99552.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 104566, 104584, 105574, 105575, 105576, 99548, 99549.
Nycteris macrotis Dobson, 1876:
FMNH: 105577.
Nycticeinops schlieffenii (Peters, 1859):
FMNH: 99553.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 105579

NE 15036Cb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
USNM: 297475

NE 15036Bb:

Epomophorus labiatus (Temminck, 1837):
MSNG: 41198

NE 15037Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MZUF: 5401, 5402, 5409, 5410, 5413, 5957, 5960

NE 15038Aa:

Epomophorus labiatus (Temminck, 1837):
MZUF: 9943

NE 15038Cd:

Chaerephon bivittatus (Heuglin, 1861):
SMNS: 981, 981a, 981b.
Epomophorus labiatus (Temminck, 1837):
ZMB: 67067, 67068.
Hipposideros megalotis (Heuglin, 1861):
SMNS: 984.
Hipposideros tephrus (Cabrera, 1906):
ZMB: 2795.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMNS: 980a, 980b. - **ZMB:** 2794b.
Rhinolophus clivosus Cretzschmar, 1828:
SMNS: 986a, 986b.
Rhinolophus hipposideros (Bechstein, 1800):
SMNS: 987.
Scotophilus leucogaster (Cretzschmar, 1826):
SMNS: 983, 983a

NE 15038Dc:

Epomophorus labiatus (Temminck, 1837):
ZMB: 10079.
Scotophilus dinganii (A. Smith, 1833):
RMNH: MAM.28008.
Tadarida ventralis (Heuglin, 1861):
SMNS: 982

NE 15038Bd:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 5976.
Miniopterus africanus Sanborn, 1936:
MVZ: 100981, 100982, 100983, 100984, 100985, 100986, 100987, 100988, 100989, 100990, 100991, 100992, 100993, 100994, 100995, 100996, 100997.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 77814, 77815, 77816, 77817, 77818, 77819, 77820, 79149.
Rhinolophus blasii Peters, 1867:
MVZ: 100998, 101000, 101001, 101002, 101003.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 79289. - **MVZ:** 100999, 101004, 101005, 101006, 101007, 101010, 101011. - **MZUF:** 6000.
Rhinolophus fumigatus Rüppell, 1842:
MVZ: 101008, 101009

NE 15039Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MSNG: 44535

NE 15039Cb:

Chaerephon pumilus (Cretzschmar, 1826):
BMNH: 1919.7.7.334. - **SMF:** 11917, 11918, 12372, 12377, 4311. - **USNM:** 143166, 143167, 143168, 143169, 18546. - **ZMB:** 4041, T09764, T09765

NW 14024Cd:

Hypsugo savii (Bonaparte, 1837):
BMNH: 1805.12.61, 1805.12.62. - **MZUF:** 47910a, 47910b. - **USNM:** 142555, 142556

NW 14024Dc:

Hypsugo savii (Bonaparte, 1837):
BMNH: 1905.12.6.2

NW 14023Dc:

Taphozous nudiventris Cretzschmar, 1830:
MNHN: ZM-MO-1983-2229

NW 14017Ca:

Epomophorus Bennett, 1836:
MNHN: ZM-MO-1995-619, ZM-MO-1995-620, ZM-MO-1995-621, ZM-MO-1995-641, ZM-MO-1995-642, ZM-MO-1995-643.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1995-602.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1973-537, ZM-MO-1973-559, ZM-MO-1973-580, ZM-MO-1973-581, ZM-MO-1973-582, ZM-MO-1973-583, ZM-MO-1973-584, ZM-MO-1973-585, ZM-MO-1973-586, ZM-MO-1973-587, ZM-MO-1973-588, ZM-MO-1973-589, ZM-MO-1973-590, ZM-MO-1973-591, ZM-MO-1973-592, ZM-MO-1973-593, ZM-MO-1973-594, ZM-MO-1973-595, ZM-MO-1973-598, ZM-MO-1973-599, ZM-MO-1973-600, ZM-MO-1973-601, ZM-MO-1973-602, ZM-MO-1984-1292, ZM-MO-1995-686.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1973-535, ZM-MO-1973-536, ZM-MO-1973-538, ZM-MO-1973-539, ZM-MO-1973-540, ZM-MO-1973-541, ZM-MO-1973-542, ZM-MO-1973-543, ZM-MO-1973-544, ZM-MO-1973-545, ZM-MO-1973-546, ZM-MO-1973-547, ZM-MO-1973-548, ZM-MO-1973-549, ZM-MO-1973-550, ZM-MO-1973-551, ZM-MO-1973-552, ZM-MO-1973-553, ZM-MO-1973-554, ZM-MO-1973-555, ZM-MO-1973-556, ZM-MO-1973-557, ZM-MO-1973-558, ZM-MO-1973-560, ZM-MO-1973-561, ZM-MO-1973-562, ZM-MO-1973-563, ZM-MO-1973-564, ZM-MO-1973-565, ZM-MO-1973-566, ZM-MO-1973-567, ZM-MO-1973-568, ZM-MO-1973-569, ZM-MO-1973-570, ZM-MO-1973-571, ZM-MO-1973-572, ZM-MO-1973-573, ZM-MO-1973-574, ZM-MO-1973-575, ZM-MO-1973-576, ZM-MO-1973-577, ZM-MO-1973-578, ZM-MO-1973-579, ZM-MO-1973-596, ZM-MO-1973-597, ZM-MO-1973-603, ZM-MO-1973-604, ZM-MO-1973-650, ZM-MO-1984-1293, ZM-MO-1995-675, ZM-MO-1995-676, ZM-MO-1995-677, ZM-MO-1995-678, ZM-MO-1995-679, ZM-MO-1995-680, ZM-MO-1995-681, ZM-MO-1995-682, ZM-MO-1995-683, ZM-MO-1995-684, ZM-MO-1995-685, ZM-MO-1995-687, ZM-MO-1995-688, ZM-MO-1995-689, ZM-MO-1995-690, ZM-MO-1995-691, ZM-MO-1995-692, ZM-MO-1995-693, ZM-MO-1995-694, ZM-MO-1995-695, ZM-MO-1995-739, ZM-MO-1995-740, ZM-MO-1995-741, ZM-MO-1995-742, ZM-MO-1995-743, ZM-MO-1995-744, ZM-MO-1995-745, ZM-MO-1995-746.
Hipposideros tephrus (Cabrera, 1906):
MNHN: ZM-MO-1995-665, ZM-MO-1995-666, ZM-MO-1995-667, ZM-MO-1995-668, ZM-MO-1995-669, ZM-MO-1995-670, ZM-MO-1995-671, ZM-MO-1995-672, ZM-MO-1995-747, ZM-MO-1995-748.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1995-594, ZM-MO-1995-595, ZM-MO-1995-596, ZM-MO-1995-597.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1995-1839, ZM-MO-1995-1843.
Nycteris gambiensis (K. Andersen, 1912):
MNHN: ZM-MO-1984-1294.
Nycteris macrotis Dobson, 1876:
MHNG: 1079.074. - **MNHN:** ZM-MO-1977-646, ZM-MO-1977-647, ZM-MO-1995-648.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1977-596, ZM-MO-1977-597, ZM-MO-1977-598, ZM-MO-1977-599, ZM-MO-1977-600, ZM-MO-1984-1295, ZM-MO-1984-1296, ZM-MO-1984-1297, ZM-MO-1984-1298, ZM-MO-1984-1299, ZM-MO-1984-1300, ZM-MO-1984-1301, ZM-MO-1984-1302, ZM-MO-1984-1303, ZM-MO-1984-1304, ZM-MO-1984-1305, ZM-MO-1984-1306, ZM-MO-1984-1307, ZM-MO-1984-1308, ZM-MO-1984-1309 A, ZM-MO-1984-1309 B, ZM-MO-1984-1309 C, ZM-MO-1995-660, ZM-MO-1995-661, ZM-MO-1995-663. - **ZFMK:** 1976.0032, 1976.0033, 1976.0034.
Pipistrellus hesperidus (Temminck, 1840):
MHNG: 1131.017.
Pipistrellus rusticus (Tomes, 1861):
MHNG: 1131.020.
Rhinolophus fumigatus Rüppell, 1842:
MNHN: ZM-MO-1995-1826.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1995-615, ZM-MO-1995-616.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1995-1811

NW 14017Cc:

Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1995-637.
Nycticeinops schlieffenii (Peters, 1859):
ZMB: 41342, 41343, 41344, 41345, 41346, 41347, 41359, 41360.
Scotophilus dinganii (A. Smith, 1833):
ZMB: 41348, 41349, 41350, 41351, 41352, 41356, 41357, 41361, 41362, 54444, 54445, 54446

NW 14017Cb:

Eidolon helvum helvum (Kerr, 1792):
USNM: 380220, 380221, 380222, 380223, 380224.
Epomops buettikoferi (Matschie, 1899):
MCZ: 56602.
Neoromicia nana (Peters, 1852):
IVB: S1824, S1825, S1826, S1827, S1828, S1829, S1830, S1831, S1832, S1833, S1834, S1835, S1836, S1837, S1838.

Rhinopoma microphyllum (Brünnich, 1782):
MNHN: ZM-MO-1995-1823.
Scotophilus leucogaster (Cretzschmar, 1826):
MNHN: ZM-MO-1907-621. - **USNM:** 380279, 380280, 380281, 380282, 380283, 380284, 380285, 380286, 380287, 380288, 380289, 380290, 380291, 380292, 380293, 380294, 380295.
Taphozous nudiventris Cretzschmar, 1830:
MNHN: ZM-MO-1995-2678

NW 14016Ab:

Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 376184, 376185, 376186, 376187, 376188, 376189, 376190, 376191, 376192, 376193, 376194, 376195, 376196, 376197, 376198, 376199, 376200, 376201, 376202, 376203, 376204, 376205, 376206

NW 14016Cb:

Neoromicia guineensis (Bocage, 1889):
MHNG: 1718.039.
Nycticeinops schlieffenii (Peters, 1859):
MNHN: ZM-MO-1995-1830

NW 14016Bc:

Eidolon helvum (Kerr, 1792):
FMNH: 42241, 42242, 42243, 42244, 42245, 42246, 42379, 42380, 42381, 42700, 42701, 42702, 42703, 42704, 42705, 42706, 42707, 42708, 42709, 42710, 42711, 42712, 42713, 44275, 44276, 44277, 44278, 44279, 44280

NW 14016Dc:

Glauconycteris variegata (Tomes, 1861):
MNHN: ZM-MO-1995-1821

NW 14016Bb:

Nycteris gambiensis (K. Andersen, 1912):
USNM: 381386.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 379194, 379195, 379196, 379197, 379198, 379199, 379200, 379201, 379202, 379203, 379204, 379205, 379206, 379207, 379208, 379209, 379210, 379211, 379212, 379213, 379214, 379215, 379216, 379217, 379218, 379219, 379220, 379221, 379222, 379223, 379224, 379225, 379226, 379227, 379228, 379229, 379230, 379231, 379232, 379233, 379234, 379235, 379236, 379237, 379238, 379239, 379240, 379241, 379242, 379243, 379244, 379245, 379246, 379247, 379248, 379249, 379250, 379251, 379252, 379253, 379254, 379255, 379256, 379257, 379258, 379259, 381344, 381345, 381346, 381347, 381348, 381349, 381350, 381351, 381352, 381353.
Rhinolophus landeri Martin, 1838:
USNM: 379389

NW 14016Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MHNG: 1079.073

NW 14016Dd:

Eidolon helvum helvum (Kerr, 1792):
USNM: 380228, 380229, 380230, 380231, 380232, 380233, 380234, 380235, 380236, 380237, 380238, 380239, 380240, 380241, 380242, 380243.
Epomophorus gambianus (Ogilby, 1835):
BMNH: 1909.11.2.28. - **ZMB:** 67048, 67049, T09449, T09450

NW 14015Ba:

Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1973-605.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 376222.
Myopterus daubentonii Desmarest, 1820:
USNM: 376221.
Nycteris macrotis Dobson, 1876:
USNM: 376207, 376208, 376209, 376210, 376211, 376212, 376213, 376214, 376215, 376216, 376217, 376218.
Rhinolophus fumigatus Rüppell, 1842:
MNHN: ZM-MO-1995-1827. - **USNM:** 376219.
Rhinolophus landeri Martin, 1838:
USNM: 376220

NW 14012Aa:

Nycteris macrotis Dobson, 1876:
USNM: 377897, 377898, 377899, 377900, 377901, 377902, 377903, 377904, 377905, 377906, 377907, 377908, 377909, 377910, 377911, 377912, 377913, 377914, 377915, 377916, 381329, 381330, 381331, 381332, 381333, 381334

NW 14012Cd:

Nycteris gambiensis (K. Andersen, 1912):
BMNH: 1919.7.7.3703.
Rhinolophus fumigatus Rüppell, 1842:
BMNH: 1919.7.7.2774.
Rhinolophus landeri Martin, 1838:
USNM: 377934, 377935, 377936, 377937, 377938, 377939, 377940, 377941, 377942, 377943, 377944, 377945, 377946, 377947, 377948, 377949, 377950, 377951, 377952, 377953, 377954, 377955, 377956, 377957, 377958, 377959, 377960, 377961, 377962, 377963, 377964, 377965, 377966, 377967, 381354, 381355, 381356, 381357, 381358, 381359, 381360, 381361, 381362, 381363

NW 14012Ba:

Hipposideros caffer (Sundevall, 1846):
USNM: 381335, 381336, 381337, 381338, 381339, 381340, 381341, 381342, 381343.
Hipposideros ruber (Noack, 1893):
USNM: 377917, 377918, 377919, 377920, 377921, 377922, 377923, 377924, 377925, 377926, 377927, 377928, 377929, 377930, 377931, 377932, 377933

NW 14005Bd:

Nycteris hispida (Schreber, 1774):
ZMA: MAM.24375

NW 14004Ca:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 44719, 44720. - **MNHN:** ZM-MO-1984-1314, ZM-MO-1984-1315, ZM-MO-1984-1316.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1984-1310, ZM-MO-1984-1311, ZM-MO-1984-1312, ZM-MO-1984-1313.
Nycticeinops schlieffenii (Peters, 1859):
MNHN: ZM-MO-1984-1322, ZM-MO-1984-1323.
Rhinopoma cystops Thomas, 1903:
RMCA: 35735, 35736.
Scotophilus Leach, 1821:
MNHN: ZM-MO-1984-1317, ZM-MO-1984-1318, ZM-MO-1984-1319, ZM-MO-1984-1320, ZM-MO-1984-1321

NW 14004Dc:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1983-1374

NW 14000Aa:

Epomophorus gambianus (Ogilby, 1835):
SMF: 60903.
Neoromicia guineensis (Bocage, 1889):
SMF: 60995

NW 14000Ab:

Neoromicia guineensis (Bocage, 1889):
USNM: 452877.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 452880, 452881, 452882.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 452743, 452744, 452745, 452746, 452747, 452748, 452749

NW 14000Cb:

Chaerephon major (Trouessart, 1897):
USNM: 452890, 452894, 452895, 452896, 452897, 452898, 452899, 452900, 452901, 452902, 452903, 452904, 452905, 452906, 452907, 452908, 452909, 452910, 452911, 452912, 452913, 452914, 452915, 452916, 452917, 452918, 452919, 452920, 452921, 452922, 452923, 452924, 452925, 452926, 452927, 452928, 452929, 452930, 452931, 452932, 452933, 452934.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
RMCA: 97.077-M-3169, 97.077-M-3170.

Nycticeinops schlieffenii (Peters, 1859):
MNHN: ZM-MO-1998-1070.
Scotophilus leucogaster (Cretzschmar, 1826):
MNHN: ZM-MO-1998-1064, ZM-MO-1998-1065, ZM-MO-1998-1066, ZM-MO-1998-1067, ZM-MO-1998-1068, ZM-MO-1998-1071. - **USNM:** 452886, 452887, 452889.
Taphozous nudiventris Cretzschmar, 1830:
MNHN: ZM-MO-1985-1647

NE 14000Cc:

Nycticeinops schlieffenii (Peters, 1859):
USNM: 452879.
Rhinopoma cystops Thomas, 1903:
SMF: 60912, 60916, 60917, 60918.
Rhinopoma microphyllum (Brünnich, 1782):
SMF: 60919

NE 14001Ac:

Rhinopoma microphyllum (Brünnich, 1782):
SMF: 60920

NE 14005Cd:

Chaerephon nigeriae Thomas, 1913:
SMF: 51655, 51656, 51657, 51658, 51659, 51660, 51661, 51662

NE 14033Bc:

Chaerephon major (Trouessart, 1897):
SMF: 32599, 32600, 32601, 32602, 32603, 32604, 32605, 32606, 32607, 32608, 32610.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 66675, 66676, 66677, 85452, 85453, 85455, 85456, 85457. - **ROM:** 77220, 77221. - **SMF:** 32569, 32570, 32571, 32572, 32573, 32577, 32578, 32579, 32580, 32581. - **USNM:** 317942, 317943, 317944, 368923, 368924.
Mops (Mops) demonstrator (Thomas, 1903):
FMNH: 85454.
Mops (Mops) midas (Sundevall, 1843):
BMNH: 1948.327.
Nycteris hispida (Schreber, 1774):
ROM: 62611, 62611-a, 77217, 77219.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 81556, 81557.
Taphozous nudiventris Cretzschmar, 1830:
FMNH: 66614, 85445. - **USNM:** 368880.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 77208

NE 14038Ba:

Rhinolophus clivosus Cretzschmar, 1828:
NMP: pb5503

NE 14038Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMNH: MAM.27231.
Rhinolophus fumigatus Rüppell, 1842:
SMNS: 1059, 1059a, 1059b

NE 14038Bd:

Neoromicia flavescens (Seabra, 1900):
MNHN: ZM-MO-1972-494

NE 14038Dd:

Neoromicia capensis (A. Smith, 1829):
MZUF: 5365b?.
Neoromicia somalica (Thomas, 1901):
MZUF: 5365, 5366, 5367, 5368, 5369, 5370, 5371, 5372, 5374

NE 14039Ac:

Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1972-482K.
Myonycteris angolensis petraea (Bergmans, 1997):
MNHN: ZM-MO-1972-482a, ZM-MO-1972-482b, ZM-MO-1972-482c, ZM-MO-1972-482d, ZM-MO-1972-482e, ZM-MO-1972-482f, ZM-MO-1972-482g, ZM-MO-1972-482h, ZM-MO-1972-482i, ZM-MO-1972-482j

NE 14039Cd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MZUF: 6001, 6002, 6003, 6004

NW 13016Ac:

Epomophorus gambianus (Ogilby, 1835):
HZM: 16.8997

NW 13016Ca:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1995-603, ZM-MO-1995-623, ZM-MO-1995-624, ZM-MO-1995-644.
Glauconycteris poensis (Gray, 1842):
MNHN: ZM-MO-1995-1829.
Glauconycteris variegata (Tomes, 1861):
MNHN: ZM-MO-1995-1822.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1995-1817.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-1995-1815.
Mops (Mops) midas (Sundevall, 1843):
MNHN: ZM-MO-1995-1828.
Neoromicia guineensis (Bocage, 1889):
MHNG: 1718.035.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1995-1844.
Nycteris gambiensis (K. Andersen, 1912):
MNHN: ZM-MO-1977-213, ZM-MO-1977-607, ZM-MO-1977-608, ZM-MO-1977-609, ZM-MO-1977-610, ZM-MO-1977-611, ZM-MO-1977-612, ZM-MO-1977-613, ZM-MO-1977-614, ZM-MO-1977-615, ZM-MO-1977-616, ZM-MO-1977-617, ZM-MO-1977-618, ZM-MO-1977-619, ZM-MO-1977-620, ZM-MO-1977-621, ZM-MO-1977-622, ZM-MO-1977-623, ZM-MO-1977-624, ZM-MO-1977-625, ZM-MO-1977-627, ZM-MO-1977-628, ZM-MO-1977-629, ZM-MO-1977-630, ZM-MO-1977-631, ZM-MO-1977-632, ZM-MO-1995-654, ZM-MO-1995-655, ZM-MO-1995-656, ZM-MO-1995-657, ZM-MO-1995-658, ZM-MO-1995-659.
Nycteris macrotis Dobson, 1876:
MNHN: ZM-MO-1977-648, ZM-MO-1977-649, ZM-MO-1977-650, ZM-MO-1977-651, ZM-MO-1977-652, ZM-MO-1977-653, ZM-MO-1977-654, ZM-MO-1977-655, ZM-MO-1977-656, ZM-MO-1977-657, ZM-MO-1977-658, ZM-MO-1977-659, ZM-MO-1977-660, ZM-MO-1977-661, ZM-MO-1977-662, ZM-MO-1977-663, ZM-MO-1977-664, ZM-MO-1977-665, ZM-MO-1977-666, ZM-MO-1977-667, ZM-MO-1977-668, ZM-MO-1977-669, ZM-MO-1977-670, ZM-MO-1977-671, ZM-MO-1977-672, ZM-MO-1995-649.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1977-588, ZM-MO-1977-589, ZM-MO-1977-590, ZM-MO-1977-591, ZM-MO-1977-592, ZM-MO-1977-593, ZM-MO-1977-594, ZM-MO-1977-595, ZM-MO-1977-626, ZM-MO-1995-664.
Pipistrellus nanulus Thomas, 1904:
MHNG: 1131.019.
Pipistrellus rusticus (Tomes, 1861):
MHNG: 1131.018.
Scotoecus hirundo (de Winton, 1899):
MNHN: ZM-MO-1973-534, ZM-MO-1981-1227, ZM-MO-1981-1228.
Scotophilus Leach, 1821:
MNHN: ZM-MO-1995-1818, ZM-MO-1995-1819.
Scotophilus leucogaster (Cretzschmar, 1826):
MNHN: ZM-MO-1995-1820

NW 13016Cb:

Neoromicia nana (Peters, 1852):
IVB: S426.
Neoromicia somalica (Thomas, 1901):
IVB: S425, S427

NW 13016Ba:

Nycteris macrotis Dobson, 1876:
SMF: 91053

NW 13016Bc:

Doryrhina cyclops (Temminck, 1853):
USNM: 377563.
Eidolon helvum (Kerr, 1792):
SMF: 91132.
Epomophorus gambianus (Ogilby, 1835):
BMNH: 1907.1.1.231, 1907.1.1.233, 1949.458. - **HZM:** 36.14899. - **SMF:** 91038, 91039, 91065. - **USNM:** 377553, 377554, 377555, 377556.
Epomophorus gambianus gambianus (Ogilby, 1835):
BMNH: 1907.1.1.232.
Micropteropus pusillus (Peters, 1868):
BMNH: 1889.3.2.1. - **SMF:** 91040, 91041, 91042, 91043. - **USNM:** 377562.
Neoromicia nana (Peters, 1852):
HZM: 255.8986. - **SMF:** 91077, 91078, 91079, 91080, 91081, 91082, 91088.
Neoromicia rendalli (Thomas, 1889):
BMNH: 1889.12.12.1, 1889.3.2.3. - **SMF:** 91086, 91087.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 377569.
Nycteris macrotis Dobson, 1876:
BMNH: 1888.12.11.1. - **SMF:** 91052. - **USNM:** 377570, 377571, 377572, 377573, 377574, 377575.
Rhinolophus landeri Martin, 1838:
SMF: 91056, 91057, 91058.
Scotoecus albofuscus (Thomas, 1890):
BMNH: 1889.12.12.2.
Scotoecus hirundo (de Winton, 1899):
SMF: 91064.
Scotophilus leucogaster (Cretzschmar, 1826):
SMF: 91083, 91084

NW 13016Da:

Epomophorus gambianus (Ogilby, 1835):
RBINS: 19910.
Hipposideros ruber (Noack, 1893):
SMF: 91062.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
SMF: 91044, 91045.
Neoromicia nana (Peters, 1852):
RBINS: 19913.1, 19913.2, 19913.3, 19913.4, 19913.5, 19913.6, 19922.1, 19922.2, 19922.3.
Nycteris hispida (Schreber, 1774):
SMF: 91046, 91047.
Nycteris macrotis Dobson, 1876:
RBINS: 19914.1, 19914.2, 19914.3.
Pipistrellus rusticus (Tomes, 1861):
SMF: 91063.
Scotophilus leucogaster (Cretzschmar, 1826):
RBINS: 19901.1, 19901.2, 19901.3, 19901.4, 19901.5, 19901.6, 19901.7, 19901.8, 19927.1.
Scotophilus viridis (Peters, 1852):
RBINS: 19927.2

NW 13016Bd:

Epomophorus gambianus (Ogilby, 1835):
SMF: 91131.
Myonycteris angolensis smithii (Thomas, 1908):
SMF: 91006.
Nycteris gambiensis (K. Andersen, 1912):
SMF: 91048, 91049.
Nycteris macrotis Dobson, 1876:
SMF: 91051.
Rhinolophus landeri Martin, 1838:
SMF: 91075

NW 13015Ca:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 377595, 377596, 377597, 377598.
Epomophorus gambianus (Ogilby, 1835):
USNM: 377557, 377558, 377559, 377560, 377561.
Hipposideros tephrus (Cabrera, 1906):
USNM: 377564, 377565, 377566, 377567, 377568.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 377592, 377593, 377594.
Nycteris gambiensis (K. Andersen, 1912):

USNM: 377585, 377587, 377588.
Nycteris macrotis Dobson, 1876:
USNM: 377576, 377577, 377578, 377579, 377580, 377581, 377582, 377583, 377584, 377586, 377589, 377590, 377591

NW 13015Ad:

Nycteris macrotis Dobson, 1876:
SMF: 91050

NW 13015Bc:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
USNM: 379391, 379392, 379393, 379394, 379395, 379396, 379397, 379398, 379399, 379400, 379401, 379402, 379403, 379404, 379405, 379406, 379407, 379408, 379409, 379410, 379411, 379412, 379413, 379414, 379415, 379416, 379417, 379418, 381393, 381394, 381395, 381396.
Epomophorus gambianus (Ogilby, 1835):
USNM: 379355, 379356.
Hipposideros tephrus (Cabrera, 1906):
USNM: 379382, 379383, 379384, 379385, 379386, 379387.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 379358, 379359, 379360, 379361, 379362, 379363, 379364, 379365, 379366, 379367, 379368, 379369, 379370, 379371, 379372, 379373, 379374, 379375.
Nycteris macrotis Dobson, 1876:
SMF: 91085. - **USNM:** 379376, 379377, 379378, 379379, 379380, 379381.
Rhinolophus landeri Martin, 1838:
USNM: 379388.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 379390.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 379357

NW 13014Db:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
SMF: 82480.
Epomophorus gambianus (Ogilby, 1835):
BMNH: 1949.459. - **HZM:** 10.8991, 11.8992, 12.8993, 13.8994, 14.8995, 15.8996, 17.8998, 18.8999, 19.9000, 20.9001, 21.9002, 22.9003, 23.9004, 24.9005, 6.8987, 7.8988, 8.8989, 9.8990.
Eptesicus Rafinesque, 1820:
HZM: 4.15138, 5.15139.
Glauconycteris argentata (Dobson, 1875):
MCZ: 8866.
Neoromicia nana (Peters, 1852):
BMNH: 1949.484.
Nycteris gambiensis (K. Andersen, 1912):
BMNH: 1949.464, 1949.466.
Nycteris macrotis Dobson, 1876:
BMNH: 1949.467, 1949.468, 1949.469.
Scotophilus viridis (Peters, 1852):
BMNH: 1949.483

NW 13013Aa:

Doryrhina cyclops (Temminck, 1853):
IVB: S747.
Hipposideros ruber (Noack, 1893):
IVB: S119, S132.
Hipposideros tephrus (Cabrera, 1906):
IVB: S748.
Neoromicia nana (Peters, 1852):
IVB: S10, S11, S113, S120, S121, S130, S133, S153, S1570, S1571, S1573, S1575, S1585, S34, S36, S446, S447, S479, S584. - **RMCA:** 78.014-M-0002, 78.014-M-0003.
Neoromicia somalica (Thomas, 1901):
IVB: S114, S115, S122, S123, S140, S141, S1568, S1569, S1572, S1574, S1576, S1577, S1586, S35, S445, S463, S464, S465, S466, S474.
Nycteris gambiensis (K. Andersen, 1912):
MHNG: 983.052.
Nycteris hispida (Schreber, 1774):
RMCA: 78.014-M-0001.
Nycteris macrotis Dobson, 1876:
NMW: 10335, 10336, 10337, 10338, 10339, 10340.
Pipistrellus hesperidus (Temminck, 1840):
IVB: S467.
Scotophilus viridis (Peters, 1852):
BMNH: 1911.6.10.11

NW 13013Ac:

Hipposideros ruber (Noack, 1893):
IVB: S1374, S1400, S695, S696, S697.
Macronycteris vittatus (Peters, 1852):
IVB: S1032, S1404, S1885.
Neoromicia somalica (Thomas, 1901):
IVB: S1459, S1460, S1674, S1907, S607, S655, S656, S658, S705, S725, S953.
Nycticeinops schlieffenii (Peters, 1859):
IVB: S1378, S657

NW 13013Ab:

Epomophorus gambianus (Ogilby, 1835):
USNM: 379093, 379096, 379097, 379098, 379100, 379101.
Hipposideros caffer (Sundevall, 1846):
IVB: S1217, S235.
Hipposideros ruber (Noack, 1893):
IVB: S272, S273, S275, S285, S95.
Hipposideros tephrus (Cabrera, 1906):
IVB: S1132, S1146, S1147.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 81.003-M-0004.
Neoromicia nana (Peters, 1852):
IVB: S1210, S1211, S1597, S1599, S1600, S1601, S1603, S1605, S1606, S1607, S1608, S1609, S1644, S237, S591, S594.
Neoromicia rendalli (Thomas, 1889):
IVB: S1212, S1213.
Neoromicia somalica (Thomas, 1901):
IVB: S1209, S1598, S1602, S1604, S1610, S1611, S1612, S1645, S315, S553, S593.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 379106, 379107, 379108, 379109, 379110, 379111, 379112, 379113, 379114, 379115, 379116, 379117, 379118, 379119, 379120, 379121, 379122, 379123, 379124, 379125, 379126, 379127, 379128, 379129, 379130, 379131, 379132, 379133, 379134, 379135, 379136, 379137, 379138, 379139, 379140, 379141, 379142, 379143, 379144, 379145, 379146, 381369, 381371, 381373, 381376, 381377, 381378, 381380, 381381, 381383, 381384, 381385.
Nycteris hispida (Schreber, 1774):
BMNH: 1911.6.10.6, 1911.6.10.7, 1911.6.10.8, 1911.6.10.9.
Pipistrellus hesperidus (Temminck, 1840):
IVB: S1613, S236, S592.
Rhinolophus landeri Martin, 1838:
IVB: S110

NW 13013Ad:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 379268.
Epomophorus gambianus (Ogilby, 1835):
USNM: 379094, 379095, 379099, 379102, 379103, 379104, 381321, 381322, 381323.
Neoromicia nana (Peters, 1852):
IVB: S1479, S1481, S1482, S1483, S1484, S1485, S1487, S1494, S1495, S1497, S1500, S1505, S1506, S1800, S1801, S1802, S1803, S1804, S1810, S1812, S1814, S1815, S1816, S1818.
Neoromicia somalica (Thomas, 1901):
IVB: S1488, S1489, S1490, S1491, S1492, S1493, S1496, S1498, S1499, S1501, S1502, S1503, S1504, S1805, S1806, S1807, S1808, S1809, S1811, S1813, S1817.
Nycteris gambiensis (K. Andersen, 1912):
BMNH: 1911.6.10.10. - **USNM:** 381370, 381372, 381374, 381375, 381379, 381382.
Nycticeinops schlieffenii (Peters, 1859):
IVB: S1793.
Scotoecus hirundo (de Winton, 1899):
IVB: S1480

NW 13013Da:

Hipposideros ruber (Noack, 1893):
RMCA: 81.003-M-0003.
Neoromicia nana (Peters, 1852):
RMCA: 81.003-M-0002

NW 13013Dc:

Neoromicia somalica (Thomas, 1901):
IVB: S921

NW 13013Dd:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 42171.
Neoromicia somalica (Thomas, 1901):
IVB: S940.
Nycticeinops schlieffenii (Peters, 1859):
IVB: S941, S946

NW 13012Ba:

Neoromicia nana (Peters, 1852):
IVB: S1716, S1717, S1720, S1721, S1723, S1729, S1731.
Neoromicia somalica (Thomas, 1901):
IVB: S1715, S1718, S1719, S1722, S1725, S1726, S1727, S1728, S1730, S1732, S1733.
Nycticeinops schlieffenii (Peters, 1859):
IVB: S1714

NW 13012Bb:

Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1985-929, ZM-MO-1985-930, ZM-MO-1985-931, ZM-MO-1985-932

NW 13012Bd:

Hipposideros tephrus (Cabrera, 1906):
USNM: 379149, 379150

NW 13013Aa:

Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1995-1840, ZM-MO-1995-1841, ZM-MO-1995-1842, ZM-MO-1995-1845

NW 13013Ac:

Epomophorus gambianus (Ogilby, 1835):
USNM: 379105.
Neoromicia nana (Peters, 1852):
USNM: 379267.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 379147, 379148

NW 13004Dc:

Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1911-1586

NW 13003Da:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1984-1231

NW 13002Cc:

Hipposideros ruber (Noack, 1893):
USNM: 452870.
Hipposideros tephrus (Cabrera, 1906):
USNM: 452871.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 452800.
Rhinolophus landeri Martin, 1838:
USNM: 452874, 452875.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
RMCA: 97.077-M-3172, 97.077-M-3173.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 452751, 452752, 452753, 452754, 452755, 452756, 452757, 452758, 452759, 452760, 452761, 452762, 452763, 452764, 452765, 452766, 452767, 452768, 452769, 452770, 452771, 452772, 452773

NW 13002Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 452790, 452792, 452793, 452794, 452795, 452796, 452797, 452798, 452799.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 452750

NW 13001Bd:

Hipposideros ruber (Noack, 1893):
USNM: 452872

NW 13000Ac:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 452891, 452892, 452893.
Nycteris arge Thomas, 1903:
RMCA: 97.077-M-3163.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 452742

NW 13000Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 452774, 452775, 452776, 452777, 452778, 452779, 452780, 452781, 452782, 452783, 452784, 452785, 452786, 452787, 452788, 452789, 452791

NE 13001Ac:

Chaerephon major (Trouessart, 1897):
MVZ: 154325.
Neoromicia rendalli (Thomas, 1889):
MVZ: 154301.
Scotophilus leucogaster (Cretzschmar, 1826):
MVZ: 154302

NE 13001Db:

Pipistrellus rusticus (Tomes, 1861):
ROM: 54809

NE 13002Ac:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 520989

NE 13002Ca:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1984-1182.
Eidolon helvum helvum (Kerr, 1792):
MNHN: ZM-MO-1970-423. - **MVZ:** 154300. - **ROM:** 54795, 54796, 54797, 54799, 54801, 54802, 54803, 54804, 54827, 54828, 54830, 54831, 54832, 54833, 54834, 54835, 54836, 54837, 54838, 54839, 54840, 54841, 54842, 54843, 54844, 54845, 54846.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1983-1212, ZM-MO-1983-1213, ZM-MO-1983-1214. - **MVZ:** 154296, 154297, 154298, 154299. - **ROM:** 54798, 54805, 54806, 54829.
Epomophorus gambianus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1970-422.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1985-820, ZM-MO-1985-821.
Macronycteris gigas (Wagner, 1845):
ROM: 54826.
Neoromicia rendalli (Thomas, 1889):
ROM: 54800, 54814.
Nycticeinops schlieffenii (Peters, 1859):
MNHN: ZM-2006-148.
Scotoecus albofuscus (Thomas, 1890):
ROM: 54819.
Scotophilus leucogaster (Cretzschmar, 1826):
MVZ: 154303, 154304, 154305, 154306, 154307, 154308, 154309, 154310, 154311. - **ROM:** 54808, 54810, 54811, 54812, 54813, 54815, 54816, 54817, 54818, 54820, 54821, 54822, 54823, 54824, 54825.
Scotophilus viridis (Peters, 1852):
ROM: 54807

NE 13004Bd:

Eidolon helvum (Kerr, 1792):
USNM: 402564, 402565, 402566, 402567, 402568.
Epomophorus gambianus (Ogilby, 1835):
USNM: 402362, 402363, 402364, 402365, 402366.

Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 402607, 402608, 402609, 402610, 402611, 402612, 402613, 402614, 402615, 402616, 402617, 402618, 402619, 402620, 402621, 402622

NE 13005Aa:

Nycteris hispida (Schreber, 1774):
BMNH: 1925.5.3.9

NE 13005Ab:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 402811, 580604.
Eidolon helvum (Kerr, 1792):
USNM: 378786, 378787, 378788, 378789, 378790, 378791, 378792, 378793.
Epomophorus gambianus (Ogilby, 1835):
HZM: 1.2871. - **USNM:** 378773, 378774.
Hipposideros caffer (Sundevall, 1846):
USNM: 580602, 580603.
Micropteropus pusillus (Peters, 1868):
USNM: 402511.
Neoromicia nana (Peters, 1852):
HZM: 1.2771, 2.2772, 3.2778. - **USNM:** 580599.
Nycteris macrotis Dobson, 1876:
USNM: 580598.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 378795, 378796, 378797, 378798, 378799, 378800.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
BMNH: 1967.1226

NE 13007Ac:

Eidolon helvum (Kerr, 1792):
SMF: 51648, 51649, 51650, 51651, 51652, 51653, 51654. - **TTU:** 37601, 41205.
Eidolon helvum helvum (Kerr, 1792):
MNHN: ZM-MO-1962-64, ZM-MO-1962-65.
Epomophorus gambianus (Ogilby, 1835):
SMF: 51663, 51664, 51665, 51666, 51667, 51668, 51669.
Scotophilus leucogaster (Cretzschmar, 1826):
TTU: 48970.
Scotophilus nigrita (Schreber, 1774):
TTU: 41206, 41207, 41208, 41209, 41210, 41211, 41212, 41213, 41214, 41215, 41216, 41217, 41218, 41219, 41220, 41221, 41222

NE 13008Dc:

Nycticeinops schlieffenii (Peters, 1859):
MNHN: ZM-MO-1985-509

NE 13008Dd:

Chaerephon major (Trouessart, 1897):
FMNH: 44721.
Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1986-115, ZM-MO-1986-116.
Epomops Gray, 1866:
MNHN: ZM-MO-1986-114.
Mops (Mops) midas (Sundevall, 1843):
RMCA: 73.065-M-0001.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1921.2.11.2, 1921.2.11.3, 1934.1.3.67.
Rhinopoma cystops Thomas, 1903:
FMNH: 44714, 44715, 44716.
Scotophilus leucogaster (Cretzschmar, 1826):
RMCA: 73.065-M-0002, 73.065-M-0003, 73.065-M-0004, 73.065-M-0005

NE 13011Ad:

Neoromicia rendalli (Thomas, 1889):
HZM: 2.10061, 3.10062.
Nycticeinops schlieffenii (Peters, 1859):
MNHN: ZM-2006-250.
Vespertilioninae Gray, 1821:
MNHN: ZM-MO-1985-1719

NE 13013Ca:

Neoromicia nana (Peters, 1852):
ROM: 68762, 68763, 68764, 68765, 68766, 68767, 68768, 68769, 68770, 68771, 68772.
Nycteris hispida (Schreber, 1774):
ROM: 68773, 68774, 68775, 68776, 68777, 68778, 68779, 68780, 68781, 68782, 68783

NE 13013Ad:

Pipistrellus rueppellii (Fischer, 1829):
USNM: 580600, 580601. - **ZMA:** MAM.18508, MAM.18509

NE 13013Cb:

Nycteris hispida (Schreber, 1774):
BMNH: 1969.526, 1969.528, 1969.530, 1969.531

NE 13013Bb:

Pipistrellus rueppellii (Fischer, 1829):
MHNG: 1717.061

NE 13014Ac:

Epomophorus Bennett, 1836:
MNHN: ZM-MO-1983-1219

NE 13015Aa:

Epomophorus labiatus (Temminck, 1837):
SMF: 6360

NE 13015Ac:

Neoromicia rendalli (Thomas, 1889):
MHNG: 1717.073

NE 13029Aa:

Pipistrellus rueppellii (Fischer, 1829):
ZMA: MAM.22178.
Rhinolophus landeri Martin, 1838:
ZMA: MAM.22173, MAM.22174, MAM.22175, MAM.22176, MAM.22177

NE 13030Aa:

Chaerephon major (Trouessart, 1897):
SMF: 32564, 32565, 32566, 32567.
Nycteris macrotis Dobson, 1876:
BMNH: 1847.5.27.32, 1848.8.19.12.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 12294, 12358, 12362.
Scotophilus leucogaster (Cretzschmar, 1826):
RMNH: MAM.27432. - **SMF:** 12069, 33240, 33241, 33242, 33243, 33244, 33245, 33246, 33247, 33248, 33249, 4309, 47650.
Scotophilus nigrita (Schreber, 1774):
SMF: 108

NE 13032Ba:

Eptesicus floweri (de Winton, 1901):
AMNH: 82344

NE 13033Da:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1999-767.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 81549. - **SMF:** 32574, 32575.
Eidolon helvum (Kerr, 1792):
BMNH: 1847.5.27.28. - **RBINS:** 180. - **ZMB:** 10219, 10220, 10221, 358.
Epomophorus gambianus (Ogilby, 1835):
SMF: 12426, 12427.
Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-AC-I-394. - **RMNH:** MAM.27342.

Eptesicus floweri (de Winton, 1901):
BMNH: 1915.3.6.70.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
SMF: 12277, 12279, 12284. - **ZMB:** 67872.
Mops (Mops) midas (Sundevall, 1843):
ZMB: 535.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NMW: 10325.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
MNHN: ZM-MO-1999-763, ZM-MO-1999-764.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-AC-A6830

NE 13033Bb:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 14450, 14451

NE 13033Bd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
SMF: 32994, 32998.
Mops (Mops) condylurus (A. Smith, 1833):
SMF: 32594, 32595, 32596, 32597, 32598

NE 13034Ac:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
SMF: 32982, 32983, 32984, 33000

NE 13037Ab:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MSNM: 1034, 1035, 1036

NE 13038Ad:

Epomophorus labiatus (Temminck, 1837):
SMF: 12431.
Pipistrellus hesperidus (Temminck, 1840):
NMP: pb5519.
Rhinolophus clivosus Cretzschmar, 1828:
NMP: pb5525

NE 13039Bc:

Epomophorus labiatus (Temminck, 1837):
USNM: 521056

NE 13039Dd:

Pipistrellus hesperidus (Temminck, 1840):
NMP: pb5498

NE 13040Bd:

Asellia patrizii de Beaux, 1931:
SMF: 44996, 44997, 44998, 44999.
Rhinopoma cystops Thomas, 1903:
SMF: 45000, 45001, 45002

NE 13042Aa:

Asellia patrizii de Beaux, 1931:
MSNG: 13313, 13314

NE 13042Ba:

Rhinolophus clivosus Cretzschmar, 1828:
MSNG: 27583, 44312.
Rhinopoma macinnesi Hayman, 1937:
HNHM: 2728.1, 2728.2, 2728.3, 2872/5-1

NW 12016Ac:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 128231

NW 12016Ca:

Epomophorus gambianus (Ogilby, 1835):
FMNH: 128146, 128147, 128148, 128149.
Epomophorus gambianus gambianus (Ogilby, 1835):
FMNH: 128142, 128143, 128144, 128145.
Eptesicus Rafinesque, 1820:
FMNH: 128216, 128217, 128218, 128220.
Macronycteris gigas (Wagner, 1845):
FMNH: 128210, 128211, 128212, 128213.
Micropteropus pusillus (Peters, 1868):
FMNH: 128156, 128157, 128158, 128159, 128160, 128161, 128162, 128163, 128164, 128165, 128166, 128167, 128168, 128169, 128170, 128171, 128172, 128173, 128174, 128175, 128176, 128177, 128178, 128179, 128180, 128181, 128182, 128183, 128184, 128195.
Neoromicia tenuipinnis (Peters, 1872):
FMNH: 128214, 128215.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 128206, 128207, 128208.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 128203, 128204.
Scotoecus hirundo (de Winton, 1899):
FMNH: 128230.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 128232.
Scotophilus nigrita (Schreber, 1774):
FMNH: 128221, 128222, 128223, 128224, 128225, 128226, 128227, 128228.
Scotophilus viridis (Peters, 1852):
FMNH: 128229

NW 12016Cb:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 377968.
Eidolon helvum (Kerr, 1792):
USNM: 381324, 381325, 381326, 381327.
Eidolon helvum helvum (Kerr, 1792):
USNM: 377815, 377816, 377817, 377818, 377819, 377820, 377821, 377822, 377823, 377824, 377825, 377826, 377827, 377828, 377829, 377830, 377831, 377832, 377833, 377834, 377835, 377836, 377837, 377838, 377839, 377840, 377841, 377842, 377843, 377844, 377845, 377846, 377847, 377848, 377849, 377850, 377851, 377852, 377853, 377854, 377855, 377856, 377857, 377858, 377859, 377860, 377861, 377862, 377863.
Epomophorus gambianus (Ogilby, 1835):
FMNH: 128150, 128151, 128152.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 377969

NW 12016Db:

Pipistrellus nanulus Thomas, 1904:
MNHN: ZM-MO-1995-1846

NW 12015Ab:

Epomophorus gambianus (Ogilby, 1835):
MHNC: 32-8-963.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1940-1207, ZM-MO-1940-1208. - **NMBA:** 5268, 5269, 5270. - **RMCA:** 15307, 15309.
Neoromicia somalica (Thomas, 1901):
CZL: 45.20.370, 45.20.380.
Nycteris macrotis Dobson, 1876:
MHNG: 1326.005. - **NMBA:** 5271. - **RMCA:** 15310

NW 12015Da:

Epomophorus gambianus (Ogilby, 1835):
ZFMK: 1976.0014, 1976.0016, 1976.0017.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 377970, 377971, 377972, 377973, 377974, 377975, 377976, 377977, 377978.
Nycteris gambiensis (K. Andersen, 1912):
ZFMK: 1976.0169, 1976.0186.

Nycteris hispida (Schreber, 1774):
ZFMK: 1976.0025, 1976.0158, 1976.0159, 1976.0160, 1976.0164, 1976.0168, 1976.0171, 1976.0180.
Nycteris macrotis Dobson, 1876:
ZFMK: 1976.0023, 1976.0024, 1976.0156, 1976.0157, 1976.0163, 1976.0165, 1976.0173, 1976.0177, 1976.0178, 1976.0181.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZFMK: 1976.0162, 1976.0167, 1976.0174, 1976.0175, 1976.0184, 1976.0185, 1976.0188

NW 12015Bd:

Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1910.4.9.1

NW 12014Cc:

Neoromicia guineensis (Bocage, 1889):
RMCA: 81.003-M-0001

NW 12014Bc:

Epomophorus gambianus (Ogilby, 1835):
MHNC: 32-8-964, 32-8-965, 32-8-966, 32-8-967, 32-8-968.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 15308

NW 12013Ac:

Micropteropus pusillus (Peters, 1868):
FMNH: 128200.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 128209

NW 12013Cb:

Myotis bocagii (Peters, 1870):
IVB: S508.
Neoromicia nana (Peters, 1852):
IVB: S506

NW 12013Cd:

Neoromicia nana (Peters, 1852):
IVB: S1636, S1637, S1638, S1639, S1640, S1641, S1642, S1643.
Neoromicia somalica (Thomas, 1901):
IVB: S526.
Nycticeinops schlieffenii (Peters, 1859):
IVB: S527

NW 12013Bd:

Neoromicia nana (Peters, 1852):
CZL: 46.20.314

NW 12012Ca:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 42166, 42167, 42168, 42169, 42170.
Epomophorus Bennett, 1836:
MNHN: ZM-MO-1995-645.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1995-604, ZM-MO-1995-605, ZM-MO-1995-606, ZM-MO-1995-607, ZM-MO-1995-608, ZM-MO-1995-609, ZM-MO-1995-610, ZM-MO-1995-611.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1973-606, ZM-MO-1973-607, ZM-MO-1973-608, ZM-MO-1973-609, ZM-MO-1973-610 A, ZM-MO-1973-610 B, ZM-MO-1973-611, ZM-MO-1973-612, ZM-MO-1973-613, ZM-MO-1973-614, ZM-MO-1973-615, ZM-MO-1973-616, ZM-MO-1973-617, ZM-MO-1973-618, ZM-MO-1973-619, ZM-MO-1973-620, ZM-MO-1973-621, ZM-MO-1973-622, ZM-MO-1973-623, ZM-MO-1973-624, ZM-MO-1973-625, ZM-MO-1973-626, ZM-MO-1973-627, ZM-MO-1973-628, ZM-MO-1973-629, ZM-MO-1973-63, ZM-MO-1973-630, ZM-MO-1973-631, ZM-MO-1973-632, ZM-MO-1973-633, ZM-MO-1973-634, ZM-MO-1973-636, ZM-MO-1973-637, ZM-MO-1973-638, ZM-MO-1973-639, ZM-MO-1973-640, ZM-MO-1973-641, ZM-MO-1973-642, ZM-MO-1973-643, ZM-MO-1973-644, ZM-MO-1973-645, ZM-MO-1973-646, ZM-MO-1973-647, ZM-MO-1973-648, ZM-MO-1973-649.
Hipposideros tephrus (Cabrera, 1906):
MNHN: ZM-MO-1995-673, ZM-MO-1995-674, ZM-MO-1995-749, ZM-MO-1995-750.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1995-598, ZM-MO-1995-599, ZM-MO-1995-600.

Nycteris gambiensis (K. Andersen, 1912):
FMNH: 42172, 42174, 42175, 42177, 42178, 42179, 42180, 42181, 42182, 42183, 42184, 42185, 42186, 42187, 42188, 42189, 42190, 42191, 42192, 42193, 42194, 42195, 42196, 42197, 42198, 42199, 42200, 42201, 42202, 42203, 42204, 42205, 42206, 42207, 42208, 42389, 42390, 42391. - **MNHN:** ZM-MO-1977-605.
Nycteris hispida (Schreber, 1774):
FMNH: 42173, 42176. - **MNHN:** ZM-MO-1995-650, ZM-MO-1995-651, ZM-MO-1995-652, ZM-MO-1995-653. - **USNM:** 260062, 260063, 260164, 260165.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 32234, 32235

NW 12012Ad:

Hipposideros abae J.A. Allen, 1917:
IVB: S822, S922.
Hipposideros caffer (Sundevall, 1846):
IVB: S862.
Hipposideros jonesi Hayman, 1947:
IVB: S804, S853, S854.
Hipposideros ruber (Noack, 1893):
IVB: S820, S825.
Hipposideros tephrus (Cabrera, 1906):
IVB: S818.
Neoromicia nana (Peters, 1852):
IVB: S850, S882.
Neoromicia somalica (Thomas, 1901):
IVB: S848.
Nycticeinops schlieffenii (Peters, 1859):
IVB: S843.
Rhinolophus fumigatus Rüppell, 1842:
IVB: S817, Sen817

NW 12012Cb:

Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-2003-730.
Nycteris gambiensis (K. Andersen, 1912):
MNHN: ZM-MO-1977-604

NW 12012Cd:

Neoromicia nana (Peters, 1852):
IVB: S891.
Neoromicia somalica (Thomas, 1901):
IVB: S1288

NW 12012Dc:

Doryrhina cyclops (Temminck, 1853):
IVB: S02-61, S02–61.
Glauconycteris variegata (Tomes, 1861):
IVB: S1767.
Neoromicia capensis (A. Smith, 1829):
IVB: S1787.
Neoromicia nana (Peters, 1852):
IVB: S1771, S1783, S1784, S1785.
Neoromicia somalica (Thomas, 1901):
IVB: S1768, S1770, S1774, S1775, S1776, S1777, S1778, S1779, S1780, S1781, S1782, S1786.
Pipistrellus hesperidus (Temminck, 1840):
IVB: S1769, S1772.
Rhinolophus alcyone Temminck, 1853:
IVB: S004

NW 12012Db:

Epomophorus gambianus (Ogilby, 1835):
FMNH: 128153.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-1995-1816.
Micropteropus pusillus (Peters, 1868):
FMNH: 128185, 128186, 128187, 128188, 128189, 128190, 128191, 128192, 128193, 128194.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1995-639, ZM-MO-1995-640.
Neoromicia guineensis (Bocage, 1889):
FMNH: 128219

NW 12011Ad:

Hipposideros caffer (Sundevall, 1846):
DNSM: 14076.
Micropteropus pusillus (Peters, 1868):
DNSM: 14075.
Neoromicia rendalli (Thomas, 1889):
DNSM: 13420, 13421.
Pipistrellus nanulus Thomas, 1904:
DNSM: 13418, 13419.
Rhinolophus landeri Martin, 1838:
DNSM: 14077.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
DNSM: 13417.
Scotophilus leucogaster (Cretzschmar, 1826):
DNSM: 13448

NW 12008Ca:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1996-403, ZM-MO-1996-404.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1995-795, ZM-MO-1995-796, ZM-MO-2001-1950, ZM-MO-2001-1951, ZM-MO-2001-803, ZM-MO-2001-804, ZM-MO-2001-805, ZM-MO-2001-806.
Neoromicia rendalli (Thomas, 1889):
MNHN: ZM-MO-1996-393.
Scotoecus albofuscus (Thomas, 1890):
MNHN: ZM-MO-1996-394, ZM-MO-1996-395.
Scotoecus hirundo (de Winton, 1899):
MNHN: ZM-MO-1996-396, ZM-MO-1996-397.
Scotophilus dinganii (A. Smith, 1833):
MNHN: ZM-MO-1996-398, ZM-MO-1996-399, ZM-MO-1996-400, ZM-MO-1996-401.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
MNHN: ZM-MO-1990-13

NW 12008Da:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-2004-950, ZM-2004-951.
Hipposideros jonesi Hayman, 1947:
MNHN: ZM-2004-952

NW 12007Bc:

Rhinolophus landeri Martin, 1838:
MNHN: ZM-MO-1905-84

NW 12007Db:

Chaerephon major (Trouessart, 1897):
FMNH: 42141, 42142, 42143, 42144, 42694.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 42145, 42146, 42147, 42148, 42149, 42150, 42151, 42152, 42153, 42154, 42155, 42156, 42157, 42158, 42159, 42160, 42161, 42162, 42163, 42164, 42165.
Epomophorus gambianus (Ogilby, 1835):
FMNH: 106028, 106029, 106030, 106078, 106079, 106080, 106096, 106097, 106098, 42231, 42232, 42233, 42234, 42235, 42236, 42237, 42238, 42239, 42240. - **MCZ:** 32233. - **MNHN:** ZM-MO-1995-752, ZM-MO-1995-753, ZM-MO-1995-754, ZM-MO-1995-755, ZM-MO-1995-756, ZM-MO-1995-757, ZM-MO-1995-758, ZM-MO-1995-759, ZM-MO-1995-760, ZM-MO-1995-761, ZM-MO-1995-762, ZM-MO-1995-763, ZM-MO-1995-764, ZM-MO-1995-765, ZM-MO-1995-766, ZM-MO-1995-767, ZM-MO-1995-768, ZM-MO-1995-769, ZM-MO-1995-770, ZM-MO-1995-771, ZM-MO-1995-772, ZM-MO-1995-773, ZM-MO-1995-774, ZM-MO-1995-775, ZM-MO-1995-776, ZM-MO-1995-777, ZM-MO-1995-778, ZM-MO-1995-785, ZM-MO-1995-786, ZM-MO-1995-787, ZM-MO-1995-788, ZM-MO-1995-789, ZM-MO-1995-790, ZM-MO-1995-791, ZM-MO-1995-792, ZM-MO-1995-793, ZM-MO-1995-794, ZM-MO-1995-797.
Epomophorus gambianus gambianus (Ogilby, 1835):
FMNH: 140680, 140681, 140682, 140683, 140684, 140685, 140686, 140687, 140688, 140689, 140690, 140691, 140692, 140693, 140694, 140695, 42209, 42210, 42211, 42212, 42213, 42214, 42215, 42216, 42217, 42218, 42219, 42220, 42221, 42222, 42223, 42224, 42225, 42226, 42227, 42228, 42229, 42230, 42382, 42383, 42384, 42385.
Hipposideros tephrus (Cabrera, 1906):
FMNH: 42131.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1995-798, ZM-MO-1995-799.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 42136, 42137, 42138, 42139, 42140, 42386, 42387, 42388.
Scotophilus dinganii (A. Smith, 1833):
MNHN: ZM-MO-1996-402.

Scotophilus viridis (Peters, 1852):
FMNH: 42132, 42133, 42134

NW 12008Ca:

Chaerephon major (Trouessart, 1897):
MNHN: ZM-MO-1960-534, ZM-MO-1960-540.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1960-535, ZM-MO-1960-536, ZM-MO-1960-537, ZM-MO-1960-538, ZM-MO-1960-539, ZM-MO-1960-541, ZM-MO-1960-542.
Eidolon helvum helvum (Kerr, 1792):
MNHN: ZM-MO-1960-543, ZM-MO-1960-544, ZM-MO-1960-545, ZM-MO-1960-546.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1936-1492, ZM-MO-1936-1493, ZM-MO-1936-1494, ZM-MO-1936-1495, ZM-MO-1936-1496, ZM-MO-2001-807, ZM-MO-2001-814.
Epomophorus gambianus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1936-1497, ZM-MO-1936-1498, ZM-MO-1936-1499, ZM-MO-1936-1500, ZM-MO-1960-547, ZM-MO-1960-548, ZM-MO-1966-175.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 42135. - **MNHN:** ZM-MO-1936-1501, ZM-MO-1936-1502, ZM-MO-1936-1503, ZM-MO-1936-1504, ZM-MO-1936-1505, ZM-MO-1936-1506

NW 12003Cc:

Nycteris hispida (Schreber, 1774):
USNM: 454482

NW 12003Db:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 26402.
Neoromicia guineensis (Bocage, 1889):
SMF: 26404, 60996, 60997.
Nycteris hispida (Schreber, 1774):
SMF: 26403

NW 12003Dd:

Hipposideros ruber (Noack, 1893):
USNM: 454634, 454635, 454636, 454637, 454638, 454640, 454641, 454642, 454643, 454644, 454645, 454646, 454647, 454648, 454649, 454650, 454651, 454652, 454653.
Hipposideros tephrus (Cabrera, 1906):
USNM: 454633, 454639.
Macronycteris gigas (Wagner, 1845):
USNM: 454654, 454655, 454656.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 454569, 454570, 454571, 454572, 454573, 454574, 454575, 454576, 454577, 454577(B), 454578, 454579, 454580, 454581, 454582, 454583, 454584, 454585, 454586.
Nycteris hispida (Schreber, 1774):
USNM: 454577(A).
Nycteris macrotis Dobson, 1876:
USNM: 454567, 454568.
Rhinolophus landeri Martin, 1838:
USNM: 454620, 454621, 454622, 454623, 454624

NW 12002Aa:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 97.077-M-3157, 97.077-M-3158. - **USNM:** 450682, 450683, 450684, 450685, 450686, 450687, 450688, 450689, 450690, 450691, 450692, 450693, 450694, 450695, 450720, 450721, 450722, 450723, 450724, 450725, 450726, 450727, 450728, 450729, 450730, 450731, 450732, 450733, 450734, 450735, 450736, 450737, 450738, 450739, 450740, 450741, 450742, 450743, 450744, 450745.
Hipposideros ruber (Noack, 1893):
USNM: 450705, 450706, 450707.
Nycteris hispida (Schreber, 1774):
RMCA: 97.077-M-3165. - **USNM:** 450547, 450548, 450549, 450550, 450551, 450552, 450553, 450554, 450555, 450556, 450557, 450558, 450559, 450560, 450561, 450562, 450563, 450564, 450565, 450566, 450567, 450568, 450569, 450570, 450571, 450572, 450573, 450574, 450575, 450576, 450577, 450578, 450579, 450580, 450581.
Nycteris macrotis Dobson, 1876:
USNM: 450594, 450636, 450637, 450638.
Nycticeinops schlieffenii (Peters, 1859):
RMCA: 97.077-M-3167, 97.077-M-3168. - **USNM:** 450696, 450697.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 450698

NW 12001Cc:

Epomophorus gambianus (Ogilby, 1835):
USNM: 452716, 452717, 452718

NW 12001Bc:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1998-1062. - **SMF:** 60905. - **USNM:** 452692, 452693, 452694, 452695, 452696, 452697, 452698, 452699, 452700, 452701, 452702, 452703, 452704, 452705, 452706, 452707, 452708, 452709, 452710, 452711, 452712, 452713, 452714, 452715, 454436, 454437, 454438, 454439, 454440, 454441, 454442, 454443.
Pipistrellus nanulus Thomas, 1904:
USNM: 454669.
Pipistrellus rusticus (Tomes, 1861):
SMF: 60993, 60994.
PTEROPODIDAE Gray, 1821:
MNHN: ZM-MO-1982-954.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 454683

NW 12000Bb:

Epomophorus gambianus (Ogilby, 1835):
USNM: 452724, 452725, 452726, 452727, 452728, 452729, 452730, 452731, 452732, 452733, 452734, 452735, 452736, 452737, 452738, 452739, 452740, 452741.
Hipposideros ruber (Noack, 1893):
USNM: 452873.
Neoromicia guineensis (Bocage, 1889):
USNM: 452878.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 452883, 452884, 452885.
Scotophilus viridis (Peters, 1852):
USNM: 452888

NE 12000Ab:

Scotophilus leucogaster (Cretzschmar, 1826):
MNHN: ZM-MO-1911-1591

NE 12000Ad:

Nycteris macrotis Dobson, 1876:
RMCA: 97.077-M-3164. - **USNM:** 452801, 452802, 452803, 452804, 452805, 452806, 452807, 452808, 452809, 452810, 452811, 452812, 452813, 452814, 452815, 452816, 452818, 452819, 452820, 452821, 452822, 452823, 452824, 452825, 452826, 452827, 452828, 452829, 452830, 452831, 452832, 452833, 452834.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 452817, 479091, 479092, 479093, 479094, 479095, 479096, 479097, 479098, 479099, 479100, 479101, 479102, 479103, 479104, 479105, 479106, 479107, 479108, 479109, 479110, 479111, 479112, 479113, 479114, 479115, 479116.
Rhinolophus landeri Martin, 1838:
USNM: 452876

NE 12002Ab:

Epomophorus gambianus (Ogilby, 1835):
BRTC: 27842.
Epomophorus gambianus gambianus (Ogilby, 1835):
UCM: 15187.
Neoromicia nana (Peters, 1852):
UCM: 15182.
Neoromicia rendalli (Thomas, 1889):
UCM: 15194.
Rhinolophus fumigatus Rüppell, 1842:
BRTC: 27851. - **UCM:** 15190.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
BRTC: 27844, 27845, 27846.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
UCM: 15188. - **USNM:** 462779

NE 12002Ad:

Chaerephon nigeriae Thomas, 1913:
UCM: 15192.
Chaerephon pumilus (Cretzschmar, 1826):
BRTC: 27864. - **UCM:** 15183, 15195. - **USNM:** 462795, 462796.

Epomophorus gambianus (Ogilby, 1835):
USNM: 462776, 462777, 462778.
Hipposideros ruber (Noack, 1893):
MVZ: 149496, 149497.
Hipposideros tephrus (Cabrera, 1906):
MVZ: 149485, 149486, 149487, 149488, 149489, 149490, 149491, 149492, 149493, 149494, 149495. - **UCM:** 15189.
Neoromicia nana (Peters, 1852):
USNM: 462787, 462788, 462789.
Nycteris macrotis Dobson, 1876:
BRTC: 27847, 27848.
Pipistrellus hesperidus (Temminck, 1840):
BRTC: 27858

NE 12002Cb:

Chaerephon pumilus (Cretzschmar, 1826):
MVZ: 149498, 149499. - **USNM:** 462797.
Epomophorus gambianus (Ogilby, 1835):
BRTC: 27843. - **ZMA:** MAM.19182.
Hipposideros Gray, 1831:
USNM: 462785.
Hipposideros caffer (Sundevall, 1846):
USNM: 462782.
Hipposideros ruber (Noack, 1893):
USNM: 462783, 462784.
Mops (Mops) condylurus (A. Smith, 1833):
UCM: 15186.
Nycteris macrotis Dobson, 1876:
UCM: 15198. - **USNM:** 462780.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 462781.
Scotophilus leucogaster (Cretzschmar, 1826):
UCM: 15196. - **USNM:** 462794

NE 12002Bc:

Hipposideros caffer (Sundevall, 1846):
BRTC: 27852.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
BRTC: 27850. - **UCM:** 15185.
Myotis bocagii (Peters, 1870):
UCM: 15178. - **USNM:** 462786.
Neoromicia guineensis (Bocage, 1889):
ZMA: MAM.19185.
Neoromicia somalica (Thomas, 1901):
ZMA: MAM.19186.
Nycteris macrotis Dobson, 1876:
ZMA: MAM.19184.
Scotophilus viridis (Peters, 1852):
USNM: 462792, 462793

NE 12002Da:

Chaerephon nigeriae Thomas, 1913:
UCM: 15184.
Neoromicia nana (Peters, 1852):
USNM: 462790, 462798.
Neoromicia rendalli (Thomas, 1889):
BRTC: 27853. - **USNM:** 462791

NE 12002Bb:

Chaerephon nigeriae Thomas, 1913:
ZMA: MAM.19183.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.19187

NE 12007Bc:

Eidolon helvum (Kerr, 1792):
USNM: 402569.
Epomophorus gambianus (Ogilby, 1835):
USNM: 402373, 402374, 402375, 402376, 402377, 402378, 402379.
Nycteris hispida (Schreber, 1774):
USNM: 402704, 402705, 402706.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 402641, 402642, 402643.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 402707.
Rhinolophus landeri Martin, 1838:
USNM: 402708

NE 12008Aa:

Eidolon helvum (Kerr, 1792):
USNM: 378782, 378783, 378784.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 378819

NE 12008Ba:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1921.2.11.1. - **HZM:** 26.10128. - **USNM:** 402381, 402383, 402388, 402389.
Neoromicia nana (Peters, 1852):
BMNH: 1921.2.11.8.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1921.2.11.4

NE 12013Bb:

Glauconycteris variegata (Tomes, 1861):
USNM: 378863, 378864, 378865.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 378816, 378817.
Nycteris hispida (Schreber, 1774):
USNM: 378801, 378802, 378803, 378804, 378805, 378806, 378807, 378808, 378809, 378810.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 378794

NE 12014Bb:

Chaerephon Dobson, 1874:
ZMA: MAM.24633.
Nycteris hispida (Schreber, 1774):
USNM: 268491.
Nycteris macrotis Dobson, 1876:
USNM: 268492, 268493

NE 12015Aa:

Chaerephon Dobson, 1874:
MNHN: ZM-MO-1962-1091 A, ZM-MO-1962-1091 B.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-2007-114, ZM-MO-1962-1090. - **USNM:** 268494, 268495, 268496.
Eidolon helvum (Kerr, 1792):
RBINS: 12652.
Eidolon helvum helvum (Kerr, 1792):
MNHN: ZM-MO-1956-636.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1956-713.
Epomophorus labiatus (Temminck, 1837):
USNM: 268498.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1949-289, ZM-MO-1956-638, ZM-MO-1957-576, ZM-MO-1962-1094 A, ZM-MO-1962-1094 B.
Nycticeinops schlieffenii (Peters, 1859):
MNHN: ZM-MO-1905-51, ZM-MO-1985-1039, ZM-MO-1985-1040. - **USNM:** 268497.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1905-52, ZM-MO-1962-1093

NE 12021Cc:

Macronycteris vittatus (Peters, 1852):
ZMB: 67769

NE 12023Cd:

Epomophorus labiatus (Temminck, 1837):
ROM: 62613.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1923.1.1.22, 1923.1.1.23, 1923.1.1.25, 1923.1.1.27, 1923.1.1.28

NE 12024Cd:

Epomophorus labiatus (Temminck, 1837):
SMNS: 37381.
Pipistrellus rusticus (Tomes, 1861):
BMNH: 1922.1.1.15, 1923.1.1.15.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1923.1.1.19

NE 12025Cc:

Nycticeinops schlieffenii (Peters, 1859):
USNM: 304847

NE 12029Ba:

Eidolon helvum (Kerr, 1792):
SMF: 32792, 32800, 32801, 32802, 32803, 32812, 32813, 32814.
Mops (Mops) midas (Sundevall, 1843):
ROM: 77201, 77202.
Nycteris macrotis Dobson, 1876:
ROM: 77192, 77193, 77194, 77195, 77196, 77197, 77198, 77199, 77200.
Rhinopoma cystops Thomas, 1903:
ROM: 77168, 77169, 77172, 77173, 77175, 77177, 77178, 77179, 77181, 77183, 77186, 77187, 77191.
Rhinopoma microphyllum (Brünnich, 1782):
ROM: 77167, 77170, 77171, 77174, 77176, 77180, 77182, 77184, 77185, 77188, 77189, 77190.
Scotophilus leucogaster (Cretzschmar, 1826):
SMF: 33094, 33095, 33096, 33097, 33098, 33099, 33162, 33163, 33164, 33165, 33166, 33167, 33168, 33169, 33170, 33171, 33172, 33180, 33181, 33182

NE 12029Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NMW: 8439

NE 12030Bb:

Rhinopoma microphyllum (Brünnich, 1782):
ROM: 62614, 62615, 62617, 62618, 62620, 62622, 62626, 62627, 62628, 62629, 62630, 62631, 62632

NE 12030Db:

Nycticeinops schlieffenii (Peters, 1859):
SMF: 33144, 33145.
Scotophilus leucogaster (Cretzschmar, 1826):
SMF: 33175, 33176, 33177

NE 12031Cd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 77209

NE 12032Db:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 32611, 32612, 32613, 32614, 32615, 32616, 32617, 32618, 32619, 32620, 32621, 32622, 32623, 32624, 32625, 32626, 32627, 32628, 32629, 32630, 32631, 32632, 32633, 32634, 32635, 32636, 32637.
Coleura afra (Peters, 1852):
AMNH: 82235, 82236, 82237, 82238, 82246, 82247, 82248, 82249, 82250, 82251, 82252, 82253, 82254, 82255, 82256, 82257, 82258, 82259, 82260, 83392, 83393, 83394, 83395, 83396, 83397, 83398, 83399, 83400, 83401, 83402, 83403, 83404. - **WAM:** M26992.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
AMNH: 82239, 82240, 82342

NE 12032Dd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 82223, 82224, 82225, 82226, 82228, 82229, 82230, 82233, 82345, 82346, 82347, 82348, 82349, 82350, 83389, 83390

NE 12034Ac:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):

SMF: 32985, 32986, 32987, 32988, 32989, 32990, 32991, 32992, 32993, 32995, 32996, 32997, 32999.
Nycteris hispida (Schreber, 1774):
SMF: 32674, 32675, 32676, 32677, 32678, 32679

NE 12034Ca:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 32582, 32583, 32584, 32585, 32586, 32587, 32588, 32589, 32590, 32591, 32592, 32593, 33013.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 62609.
Mops (Mops) demonstrator (Thomas, 1903):
SMF: 32568

NE 12034Cc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
SMF: 32974, 32975, 32976, 32978, 32980, 32981

NE 12034Ab:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 14460, 14461, 14616, 14617.
Eptesicus Rafinesque, 1820:
MCZ: 14612.
Mops (Mops) demonstrator (Thomas, 1903):
MCZ: 14456, 14457.
Neoromicia rendalli (Thomas, 1889):
FMNH: 34149. - **MCZ:** 14468, 14614.
Neoromicia somalica (Thomas, 1901):
MCZ: 14613.
Nycteris hispida (Schreber, 1774):
BMNH: 1967.2137, 1967.2138, 1967.2139.
Pipistrellus hesperidus (Temminck, 1840):
MCZ: 14466.
Rhinolophus clivosus Cretzschmar, 1828:
MCZ: 14469.
Scotoecus hirundo (de Winton, 1899):
MCZ: 14465.
Scotophilus leucogaster (Cretzschmar, 1826):
MCZ: 14608, 14609.
Scotophilus viridis (Peters, 1852):
FMNH: 34161

NE 12034Ad:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 14452.
Rhinolophus landeri Martin, 1838:
FMNH: 34164. - **MCZ:** 14470, 14471, 14472, 14626, 14627, 14628, 14629, 14630, 14631, 14632, 14633, 14634, 14635, 14636

NE 12035Ba:

Coleura afra (Peters, 1852):
ZMMU: S-189523, S-189524, S-189525.
Neoromicia aff. guineensis Bocage, 1889:
ZMMU: S-189570.
Neoromicia guineensis (Bocage, 1889):
ZMMU: S-189569.
Nycteris cf. parisii De Beaux, 1924:
ZMMU: S-189580.
Nycticeinops schlieffenii (Peters, 1859):
ZMMU: S-189596, S-189597.
Rhinolophus landeri Martin, 1838:
ZMMU: S-189598, S-189599.
Scotophilus leucogaster (Cretzschmar, 1826):
NMP: 95926. - **ZMMU:** S-189605.
Triaenops afer Peters, 1877:
NMP: 95925

NE 12035Bc:

Chaerephon pumilus (Cretzschmar, 1826):
ZMMU: S-189521, S-189522.
Hipposideros abae J.A. Allen, 1917:

ZMMU: S-189528.
Hipposideros cf. centralis Andersen, 1906:
ZMMU: S-189533, S-189534, S-189535, S-189536, S-189537.
Hipposideros tephrus (Cabrera, 1906):
ZMMU: S-189540.
Mops (Mops) midas (Sundevall, 1843):
ZMMU: S-189546.
Neoromicia aff. guineensis Bocage, 1889:
ZMMU: S-189563, S-189565, S-189566.
Neoromicia guineensis (Bocage, 1889):
ZMMU: S-189562, S-189564, S-189567, S-189568.
Nycteris macrotis Dobson, 1876:
NMP: 95922, 95923, 95924.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NMP: 95920, 95921.
Nycticeinops schlieffenii (Peters, 1859):
ZMMU: S-189589, S-189590, S-189591, S-189592, S-189593, S-189594, S-189595.
Rhinolophus landeri Martin, 1838:
NMP: 95919.
Scotophilus leucogaster (Cretzschmar, 1826):
ZMMU: S-189600, S-189601, S-189602, S-189603, S-189604.
Scotophilus viridis (Peters, 1852):
ZMMU: S-189610.
Triaenops afer Peters, 1877:
ZMMU: S-189631, S-189632, S-189633, S-189634

NE 12035Da:

Chaerephon nigeriae Thomas, 1913:
ZMMU: S-189514, S-189515.
Chaerephon pumilus (Cretzschmar, 1826):
ZMMU: S-189519, S-189520.
Hipposideros cf. centralis Andersen, 1906:
ZMMU: S-189529, S-189530, S-189531, S-189532.
Hipposideros tephrus (Cabrera, 1906):
ZMMU: S-189538, S-189539.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMMU: S-189541, S-189542.
Neoromicia aff. guineensis Bocage, 1889:
ZMMU: S-189550, S-189553, S-189554, S-189555, S-189557, S-189558, S-189559, S-189560, S-189561.
Neoromicia guineensis (Bocage, 1889):
ZMMU: S-189552.
Neoromicia somalica (Thomas, 1901):
ZMMU: S-189551, S-189556.
Nycteris hispida (Schreber, 1774):
ZMMU: S-189571, S-189572, S-189573, S-189574, S-189575, S-189576, S-189577, S-189578, S-189579.
Nycticeinops schlieffenii (Peters, 1859):
ZMMU: S-189583, S-189584, S-189585, S-189586, S-189587, S-189588.
Triaenops afer Peters, 1877:
ZMMU: S-189629, S-189630

NE 12035Bb:

Chaerephon pumilus (Cretzschmar, 1826):
ZMMU: S-189516, S-189517, S-189518.
Neoromicia aff. guineensis Bocage, 1889:
ZMMU: S-189547, S-189548, S-189549.
Nycticeinops schlieffenii (Peters, 1859):
ZMMU: S-189581, S-189582.
Pipistrellus nanulus Thomas, 1904:
ZMMU: S-189547_bis, S-189549_bis.
Scotophilus viridis (Peters, 1852):
ZMMU: S-189606, S-189607, S-189608, S-189609.
Triaenops afer Peters, 1877:
ZMMU: S-189612, S-189613, S-189614, S-189615, S-189616, S-189617, S-189618, S-189619, S-189620, S-189621, S-189622, S-189623, S-189624, S-189625, S-189626, S-189627, S-189628

NE 12035Bd:

Chaerephon pumilus (Cretzschmar, 1826):
NMP: 95927, 95928, 95929, 95930, 95931, 95932, 95933, 95934, 95935, 95936

NE 12036Cc:

Chaerephon pumilus (Cretzschmar, 1826):

FMNH: 30718, 30719, 30720, 30721, 30722, 30723.
Hipposideros tephrus (Cabrera, 1906):
FMNH: 35380, 48710, 48711. - **USNM:** 297479.
Nycteris hispida (Schreber, 1774):
NMW: 27872.
Nycteris macrotis Dobson, 1876:
NMW: 10332, 10333.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1928.1.11.24, 1928.1.11.25.
Rhinolophus landeri Martin, 1838:
FMNH: 35381, 48714

NE 12036Da:

Pipistrellus rusticus (Tomes, 1861):
FMNH: 28778

NE 12037Ab:

Epomophorus labiatus (Temminck, 1837):
SMNS: 17489.
Rhinolophus clivosus Cretzschmar, 1828:
MZUF: 5649, 6029

NE 12037Cb:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1960.137, 1960.138.
Myotis tricolor (Temminck, 1832):
MNHN: ZM-MO-1984-316.
Nycteris G. Cuvier and E. Geoffroy, 1795:
MNHN: ZM-MO-1984-1335.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1960.139.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 28771, 28772, 28773, 28774, 28775, 28776, 28777. - **MNHN:** ZM-MO-1985-943. - **TM:** 10018.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1960.142

NE 12038Cc:

Kerivoula lanosa (A. Smith, 1847):
NMW: 24573

NE 12038Cd:

Epomophorus labiatus (Temminck, 1837):
NMW: 18300.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 105381, 105382, 105383, 105384

NE 12039Aa:

Epomophorus minimus Claessen & De Vree, 1991:
EBD: MAM 25810.
Laephotis wintoni Thomas, 1901:
EBD: MAM 25813.
Miniopterus inflatus Thomas, 1903:
EBD: MAM 25807, MAM 25808, MAM 25809, MAM 25841.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MZUF: 8502, 8503, 8504, 8505.
Pipistrellus Kaup, 1829:
EBD: MAM 25789, MAM 25790, MAM 25791, MAM 25814, MAM 25836.
Plecotus balensis Kruskop & Lavrenchenko, 2000:
EBD: MAM 25788, MAM 25811, MAM 25842, MAM 25843, MAM 25844.
Rhinolophus Lacépède, 1799:
EBD: MAM 25792, MAM 25835, MAM 25914, MAM 25915, MAM 25916.
Rhinolophus fumigatus Rüppell, 1842:
MNHN: ZM-MO-1981-890, ZM-MO-1981-891, ZM-MO-1981-892, ZM-MO-1981-893, ZM-MO-1981-894, ZM-MO-1981-895, ZM-MO-1981-896.
Scotophilus Leach, 1821:
EBD: MAM 25845.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
EBD: MAM 25837, MAM 25838, MAM 25840.
Triaenops afer Peters, 1877:

EBD: MAM 25812

NE 12039Bc:

Neoromicia somalica (Thomas, 1901):
NMP: pb5486

NE 12042Dc:

Rhinopoma macinnesi Hayman, 1937:
HNHM: 2728.12

NW 11015Ad:

Neoromicia nana (Peters, 1852):
CZL: 46.20.220

NW 11015Cb:

Eidolon helvum (Kerr, 1792):
ZMA: MAM.20462.
Epomophorus gambianus (Ogilby, 1835):
MLZA: T118. - **USNM:** 143163

NW 11015Dc:

Macronycteris vittatus (Peters, 1852):
ZMB: 4517.
Micropteropus pusillus (Peters, 1868):
ZMB: 42517.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 27370.
Nycteris gambiensis (K. Andersen, 1912):
RMCA: 15311, 15312

NW 11015Bd:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1984-681

NW 11015Dd:

Neoromicia nana (Peters, 1852):
CZL: 45.20.002.
Nycteris gambiensis (K. Andersen, 1912):
MHNG: 1326.011, 1626.020, 1626.021

NW 11014Cc:

Coleura afra (Peters, 1852):
MNHN: ZM-MO-1940-1209 - 201. - **NMBA:** 5277, 5278. - **RMCA:** 15313.
Macronycteris gigas (Wagner, 1845):
MNHN: ZM-MO-1940-1204, ZM-MO-1940-1205. - **NMBA:** 5266/9283, 5267/9284.
Macronycteris vittatus (Peters, 1852):
RMCA: 15305, 15306

NW 11014Dd:

Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1985-289

NW 11012Ab:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1989-1216.
Epomophorus gambianus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1911-1718

NW 11012Bc:

Hipposideros caffer (Sundevall, 1846):
HNHM: 88.124.1, 88.124.2, 88.124.3, 88.124.4.
Hipposideros jonesi Hayman, 1947:
HNHM: 88.121.1.

Neoromicia nana (Peters, 1852):
HNHM: 76.248.1.
Scotophilus nigrita (Schreber, 1774):
HNHM: 92.52.1

NW 11012Da:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1983-1216.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1911-1719

NW 11008Ca:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1996-405, ZM-MO-1996-406, ZM-MO-1996-407, ZM-MO-1996-408

NW 11004Ab:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1983-1215

NW 11004Ba:

Hipposideros abae J.A. Allen, 1917:
USNM: 468073.
Hipposideros jonesi Hayman, 1947:
USNM: 468129, 468130, 468131, 468132, 468133, 468134, 468135, 468136, 468137, 468138, 468139, 468140, 468141, 468142, 468143, 468144, 468145, 468146, 468147, 468148, 468149, 479427, 479428, 479429, 479430, 479431, 479432, 479433, 479434, 479435, 479436.
Hipposideros ruber (Noack, 1893):
USNM: 468108, 468109, 468110, 468111, 468112.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 467883.
Myonycteris angolensis (Bocage, 1898):
USNM: 467761, 467762.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 467961, 467963, 467964, 467965.
Nycteris hispida (Schreber, 1774):
USNM: 467937, 467938, 467939, 467940, 467941, 467942, 467943, 467944, 467945, 467946, 467947, 467948, 467949, 467950, 467951, 467952, 467953, 467954, 467955, 467956, 467957, 467958, 467959, 467960.
Nycteris macrotis Dobson, 1876:
USNM: 468038.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 467962.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 468157, 468158

NW 11004Dc:

Eidolon helvum (Kerr, 1792):
USNM: 467916, 467917.
Epomophorus gambianus (Ogilby, 1835):
USNM: 467811, 467812, 467813, 467814, 467815, 467816, 467817, 467818, 467819, 467820, 467821, 467822, 467823, 467824, 467825, 467826, 467827, 467828, 467829, 467830, 467831, 467832, 467849, 467850, 467851, 467852, 467853, 467854, 467855, 467856, 467857, 467858, 467859, 467860, 467861, 467862, 467863, 467864, 467865, 467866, 467867, 467868, 467869, 467870, 467871.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 467882.
Micropteropus pusillus (Peters, 1868):
USNM: 467911

NW 11003Ac:

Epomophorus gambianus (Ogilby, 1835):
USNM: 454444, 454445, 454446, 454447, 454448, 454449, 454450, 454451, 454452, 454453, 454454, 454455, 454456, 454457, 454458, 454459, 454460, 454461, 454462, 454463, 454464, 478540.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 454485, 454588, 454590, 454591, 454592, 454593, 454594, 454596, 454597, 454598, 454600, 454601, 454602, 454603, 454604, 454605, 454609, 454610, 454611, 454613, 478623, 478624, 478625, 478626, 478715, 478716, 576042, 576043.
Nycteris hispida (Schreber, 1774):
USNM: 454475, 454476, 454477, 454478, 454479, 454480, 454481, 454483, 454484, 454486, 454487, 454488, 454489, 454490, 454491, 454492, 454493, 454494, 478944, 478945, 478946, 478947.

Nycteris macrotis Dobson, 1876:
USNM: 454587, 454589, 454595, 454599, 454606, 454607, 454608, 454612, 454614, 454615

NW 11003Ba:

Nycteris gambiensis (K. Andersen, 1912):
MNHN: ZM-MO-1977-602, ZM-MO-1977-603

NW 11002Dd:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 503963, 503964, 503965, 503966, 503967.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 454518, 454519, 454520, 454522, 454524, 454532, 454533, 454534, 454535, 454538, 454539, 454540, 454541, 454542, 454543, 454544, 454545, 454546, 454550, 454551, 454552, 454554, 454557, 454558, 454559, 454560, 454561, 454562, 454565, 454566, 478602, 478603, 478604, 478605, 478606, 478607, 478608, 478609, 478610, 478611, 478612, 478613, 478614, 478615, 478616, 478617, 478618, 478619, 478620, 478621, 478622, 478664, 478665, 478666, 478667, 478668, 478669, 478671, 478672, 478673, 478675, 478676, 478677, 478678, 478679, 478680, 478681, 478682, 478683, 478684, 478686, 478687, 478689, 478690, 478691, 478693, 478695, 478696, 478698, 478699, 478700, 478701, 478702, 478703, 478704, 478705, 478707, 478708, 478709, 478711, 478712, 478786.
Nycteris hispida (Schreber, 1774):
USNM: 454506, 454507, 454508.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 454521, 454523, 454525, 454526, 454527, 454528, 454529, 454530, 454531, 454536, 454537, 454547, 454548, 454549, 454553, 454555, 454556, 454563, 454564, 454929, 478670, 478674, 478685, 478688, 478692, 478694, 478697, 478706, 478710, 478713, 478714

NW 11003Ca:

Nycteris gambiensis (K. Andersen, 1912):
MNHN: ZM-MO-1985-307, ZM-MO-1985-308, ZM-MO-1985-309, ZM-MO-1985-310.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1985-302, ZM-MO-1985-303, ZM-MO-1985-304, ZM-MO-1985-305, ZM-MO-1985-306.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1985-311, ZM-MO-1985-312

NW 11001Ac:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 237390, 237391. - **ROM:** 79864, 79865, 79867, 79869, 79870, 79874. - **USNM:** 503957, 503958, 503959, 503960, 503961, 503962.
Epomophorus gambianus (Ogilby, 1835):
ROM: 79805, 79806, 79807, 79809.
Hipposideros tephrus (Cabrera, 1906):
USNM: 450710, 450711.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 450673, 450674.
Micropteropus pusillus (Peters, 1868):
USNM: 450478.
Mops (Mops) demonstrator (Thomas, 1903):
AMNH: 237392. - **ROM:** 79851, 79852.
Mops (Mops) midas (Sundevall, 1843):
USNM: 503956.
Neoromicia nana (Peters, 1852):
USNM: 503951.
Neoromicia somalica (Thomas, 1901):
USNM: 503952.
Nycteris hispida (Schreber, 1774):
USNM: 503947, 503948, 503949, 503950.
Nycteris macrotis Dobson, 1876:
AMNH: 237383. - **USNM:** 450632, 450633, 450634, 450635.
Pipistrellus hesperidus (Temminck, 1840):
ROM: 79848.
Rhinolophus fumigatus Rüppell, 1842:
AMNH: 237384, 237385.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 237387.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 237388. - **ROM:** 79857, 79858, 79859, 79861, 79862, 79863. - **USNM:** 503953, 503954, 503955.
Scotophilus viridis (Peters, 1852):
AMNH: 237389. - **ROM:** 79839, 79840

NW 11001Ab:

Chaerephon Dobson, 1874:
ZMA: MAM.25128.
Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.25126.
Epomophorus gambianus (Ogilby, 1835):
ZMA: MAM.23535, MAM.25127.
Epomophorus gambianus gambianus (Ogilby, 1835):
ZMA: MAM.25373

NW 11001Cb:

Chaerephon major (Trouessart, 1897):
ROM: 79853, 79854.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 79866, 79868, 79871, 79872, 79873.
Micropteropus pusillus (Peters, 1868):
ROM: 79811.
Neoromicia guineensis (Bocage, 1889):
ROM: 79847.
Neoromicia somalica (Thomas, 1901):
ROM: 79846.
Nycteris macrotis Dobson, 1876:
ROM: 79843, 79844.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 79816, 79817, 79818, 79819, 79820, 79821, 79822, 79823, 79824, 79825, 79826, 79855, 79856.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 79860.
Scotophilus viridis (Peters, 1852):
ROM: 79841, 79842, 79875

NW 11000Cb:

Epomophorus gambianus (Ogilby, 1835):
USNM: 452719, 452720, 452721, 452722, 452723.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 97.077-M-3171. - **USNM:** 452835, 452836, 452837, 452838, 452839, 452840, 452841, 452842, 452843, 452844, 452845, 452846, 452847, 452848, 452849, 452850, 452851, 452852, 452853, 452854, 452855, 452856, 452857, 452858, 452859, 452860, 452861, 452862, 452863, 452864, 452865, 452866, 452867, 452868, 452869

NE 11000Da:

Epomophorus gambianus (Ogilby, 1835):
USNM: 450474, 450475, 450476, 450477. - **ZMA:** MAM.16530.
Hipposideros caffer (Sundevall, 1846):
RMCA: 97.077-M-7725.
Nycteris arge Thomas, 1903:
RMCA: 97.077-M-3166.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 478627, 478638, 478658, 478663.
Nycteris macrotis Dobson, 1876:
RMCA: 97.077-M-3161. - **USNM:** 450522, 450523, 450524, 450525, 450526, 450527, 450606, 450607, 450608, 450609, 450610, 450611, 450612, 450613, 450639, 450640, 450641, 450642, 450643, 450644, 450645, 450646, 450647, 450648, 450649, 450650, 450651, 450652, 450653, 450654, 450655, 450656, 450657, 450658, 450659, 450660, 450661, 450662, 450663, 450664, 450665, 450666, 450667, 450668, 450669, 450670, 450671, 450672.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 450582, 450583, 450584, 450585, 450586, 450587, 450588, 450589, 450590, 450591, 450592, 450593, 450595, 450596, 450597, 450598, 450599, 450600, 450601, 450602, 450603, 450604, 450605, 450614, 450615, 450616, 450617, 450618, 450619, 450620, 450621, 450622, 450623, 450624, 450625, 450626, 450627, 450628, 450629, 450630, 450631, 478628, 478629, 478630, 478631, 478632, 478633, 478634, 478635, 478636, 478637, 478639, 478640, 478641, 478642, 478643, 478644, 478645, 478646, 478647, 478648, 478649, 478650, 478651, 478652, 478653, 478654, 478655, 478656, 478657, 478659, 478660, 478661, 478662.
Rhinolophus denti Thomas, 1904:
RMCA: 97.077-M-3160.
Rhinolophus landeri Martin, 1838:
USNM: 450675, 450676, 450677, 450678.
Scotophilus leucogaster (Cretzschmar, 1826):
RMCA: 97.077-M-3156, 97.077-M-3159.
Scotophilus viridis (Peters, 1852):
USNM: 450699

NE 11000Bb:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 439024, 439025, 439026, 439027, 439028, 439029, 439030, 439031, 439032, 439033, 439034, 439035, 439036, 439037, 439038, 439039, 439040, 439041, 439042, 439043, 439044, 439045, 439046, 439047, 439048, 439049, 439050, 439051, 439052, 439053, 439054, 439055, 439056, 439057, 439058, 439059, 439060, 439061, 439062, 439063, 477451, 477452, 477453, 477454, 477455, 477456, 477457, 477458, 477459, 477460, 477461, 477462, 477463, 477464, 477465, 477466, 477467, 477468, 477469, 477470, 477471, 477472, 477473, 477474, 477475, 477476, 477477, 477478, 477479, 477480, 477481, 477482, 477483, 477484, 477485, 477486, 477487, 477488, 477489, 477490, 477491, 477492, 477493, 477494, 477495, 477496, 477497, 477498, 477499, 479810, 479811, 479812, 479813, 479814, 479815, 479816, 479817, 479818, 479819, 479820, 479821, 479822, 479823, 479824, 479825, 479826, 479827, 479828, 479829, 479830, 479831, 479832, 479838, 479839, 479840, 479841, 479842, 479843, 479844, 479845, 479846, 479847, 479848, 479849, 479850, 479851, 479852, 479853, 479854, 479855, 479856, 479857, 479858, 479859, 479860, 479861, 479862, 479863, 479864, 479865, 479915, 479916, 479917, 479955, 479956, 479957, 479958, 479959, 479960, 479961, 479962, 479963, 479964, 479965, 479966, 479967, 479968, 479969, 479970, 479971, 479972, 479973, 479974, 479975, 479976, 479977, 479978, 479979, 479980, 479981, 479982, 479983, 479984, 479985, 479986, 479987, 479988, 479989, 479990, 479991, 479992, 479993, 479994, 479995, 479996, 479997, 479998, 479999, 480000, 480001, 480002, 480003, 480004, 480005, 480006, 480007, 480008, 480009, 480010, 480011, 480012, 480013, 480014, 480015, 480016, 480017, 480018, 480019, 480020, 480021, 480022, 480023, 480024, 480025, 480026, 480027, 480028, 480029, 480030, 480031, 480032, 480033, 480034, 480035, 480036, 480037, 480038, 480039, 480040, 480041, 480042, 480043, 480044, 480045, 480046, 480047, 480048, 480049, 480050, 480051, 480052, 480053, 480054, 480055, 480056, 480057, 480058, 480059, 480060, 480061, 480062, 480063, 480064, 480065, 480066, 480067, 480068, 480069, 480070, 480071, 480072, 480073, 480074, 480075, 480076, 480077, 480078, 480079, 480080, 480101, 480102, 480103, 480104, 480105, 480106, 480107, 480108, 480109, 480110, 480111, 480112, 480113, 480114, 480115, 480116, 480117, 480118, 480119, 480120, 480121, 480122, 480123, 480124, 480125, 480126, 480127, 480128, 480129, 480130, 480131, 480132, 480133, 480134, 480135, 480136, 480137, 480138, 480139, 480140, 480141, 480142, 480143, 480144, 480145, 480146, 480147, 480148, 480149, 480150, 480151, 480152, 480153, 480154, 480155, 480156, 480157.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 438957, 438958, 438959, 438960, 438961, 438962, 438963, 438964, 438965, 438966, 438967, 438968, 438969, 438970, 438971, 438972, 438973, 438974, 438975, 438976, 438977, 438978, 438979, 438980, 438981, 438982, 438983, 438984, 438985, 438986, 438987, 438988, 438989, 438990, 438991, 438992, 438993.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 575725, 575726, 575727.
Nycteris macrotis Dobson, 1876:
USNM: 478007, 479004, 479005, 479006, 479007, 479008, 479009, 479010, 479011

NE 11001Cb:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 450679, 450680, 450681.
Epomophorus gambianus (Ogilby, 1835):
ROM: 79808. - **USNM:** 450473. - **ZMA:** MAM.16531.
Hipposideros jonesi Hayman, 1947:
USNM: 450716.
Hipposideros ruber (Noack, 1893):
ROM: 79845. - **USNM:** 450703, 450708, 450709, 450712, 450714, 450715.
Hipposideros tephrus (Cabrera, 1906):
USNM: 450700, 450701, 450702, 450704, 450713, 450717, 450718, 450719.
Nycteris hispida (Schreber, 1774):
RMCA: 97.077-M-3162. - **USNM:** 450479, 450480, 450481, 450482, 450483, 450484, 450485, 450486, 450487, 450488, 450489, 450490, 450491, 450492, 450493, 450494, 450495, 450496, 450497, 450498, 450499, 450500, 450501, 450502, 450503, 450504, 450505, 450506, 450507, 450508, 450509, 450510, 450511, 450512, 450513, 450514, 450515, 450516, 450517, 450518, 450519, 450520, 450521, 450528, 450529, 450530, 450531, 450532, 450533, 450534, 450535, 450536, 450537, 450538, 450539, 450540, 450541, 450542, 450543, 450544, 450545, 450546

NE 11001Bc:

Epomophorus gambianus (Ogilby, 1835):
ROM: 83954.
Hipposideros caffer (Sundevall, 1846):
ROM: 83927, 83957, 83958, 83959.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 83956.
Micropteropus pusillus (Peters, 1868):
ROM: 83920, 83921, 83922, 83923, 83924.
Myotis bocagii (Peters, 1870):
ROM: 83946, 83947.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 83949

NE 11003Ac:

Nycteris macrotis Dobson, 1876:
ZMA: MAM.23345.

Nycticeinops schlieffenii (Peters, 1859):
ZMA: MAM.23346

NE 11003Ca:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 421523, 421524, 421525, 421526, 421527, 421528, 421529, 421530, 421531, 421532, 421533, 421534.
Epomophorus gambianus (Ogilby, 1835):
USNM: 421202, 421203, 421204, 421205, 421206, 421207, 421208, 421209, 421210, 421211, 421212, 421213, 421214, 421215, 421216, 421217, 421218, 421219, 421220, 421221, 421222, 421223, 421224, 421225, 421226, 421227, 421228, 421229, 421230, 421231, 575705.
Hipposideros caffer (Sundevall, 1846):
USNM: 575719, 575720. - **ZMA:** MAM.23838.
Hipposideros tephrus (Cabrera, 1906):
USNM: 421374, 421375, 421376, 421377, 421378, 421379, 421380.
Micropteropus pusillus (Peters, 1868):
USNM: 421261.
Neoromicia nana (Peters, 1852):
USNM: 421385.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 421338, 421339, 421340, 421341, 421342, 421343, 421344, 421345, 421346, 421347, 421348, 421349, 421350, 421351, 421352, 421353, 421354, 421356, 421357, 421358, 421359, 421360, 421361, 421362, 421363, 421365, 421366, 421367, 421368, 575706, 575707, 575708, 575709, 575710, 575711, 575712, 575714, 575715, 575716, 575717, 575718.
Nycteris hispida (Schreber, 1774):
USNM: 421307, 421308, 421309, 421310.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 421355, 421364, 575713.
Scotophilus dinganii (A. Smith, 1833):
USNM: 479522.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 421427, 421428, 421429, 421430, 421431, 421432, 421433, 421434, 421435, 421436, 421437, 421438, 421439, 421440, 421441, 421442, 421443.
Scotophilus viridis (Peters, 1852):
USNM: 421478, 421479

NE 11003Cd:

Chaerephon Dobson, 1874:
ZMA: MAM.22449, MAM.22450, MAM.22451, MAM.22452, MAM.23344.
Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.22448.
Mops (Mops) Lesson, 1842:
ZMA: MAM.23122, MAM.23123, MAM.23124.
Mops (Mops) condylurus (A. Smith, 1833):
MVZ: 154313, 154314, 154315, 154316, 154317, 154318, 154319, 154320. - **ZMA:** MAM.23347, MAM.23348, MAM.23349, MAM.23350, MAM.23373, MAM.23374, MAM.23375, MAM.23376, MAM.28686.
Neoromicia guineensis (Bocage, 1889):
ZMA: MAM.23120.
Nycteris macrotis Dobson, 1876:
ZMA: MAM.22969.
Scotophilus leucogaster (Cretzschmar, 1826):
ZMA: MAM.22444, MAM.22445, MAM.22446.
Tadarida Rafinesque, 1814:
MVZ: 154312, 154321, 154322, 154323, 154324

NE 11004Cb:

Eidolon helvum (Kerr, 1792):
USNM: 402574, 402575, 402576, 402577, 402578.
Epomophorus gambianus (Ogilby, 1835):
USNM: 402634.
Hipposideros Gray, 1831:
USNM: 576111.
Hipposideros caffer (Sundevall, 1846):
USNM: 479396, 479397, 479398, 479399, 479400, 479401, 479402, 479403, 479404, 479405, 479406, 479407, 479408, 479409, 479410, 479411, 479412, 479413, 479414, 479415, 479416, 479417, 479418, 479419, 479420.
Hipposideros ruber (Noack, 1893):
USNM: 402748, 402749, 402750, 402751, 402752, 402753, 402754, 402755, 402756, 402757, 402758, 402759, 402760, 402761, 402762, 402763, 402764, 402765, 402766, 402767, 402768, 402769, 402770.
Nycteris macrotis Dobson, 1876:
USNM: 402623, 402624, 402625, 402626, 402627, 402628, 402629, 402630, 402631, 402632, 402633, 402635, 402636, 402637, 402638, 402639, 402640, 402663, 402664, 478948, 576108.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 479117, 479118, 479119, 479120, 479121, 479122, 479123, 479124, 479125, 479126, 479127, 479128, 479129, 479130, 479131, 479132, 479133, 479134, 479135, 479136, 479137, 479138, 479139, 479140, 479141, 479142, 479143,

479144, 479145, 479146, 479147, 479148, 479149, 479150, 479151, 479152, 479153, 479154, 479155, 479156, 479157, 479158, 479159, 479160, 479161, 479162, 479163, 479164, 479165, 479166, 479167, 479168, 479169, 479170, 479171, 479172, 479173, 479174, 479175, 479176, 479177, 479178, 479179, 479180, 479181, 479182.
Rhinolophus landeri Martin, 1838:
USNM: 402709, 402710, 402711

NE 11007Ba:

Chaerephon leucogaster (A. Grandidier, 1869):
ROM: 74214, 74215.
Chaerephon pumilus (Cretzschmar, 1826):
USNM: 378868, 378869, 378870, 378871, 378872, 378873, 378874, 378875, 378876, 378877, 378878, 378879, 378880, 378881, 378882, 402852, 402853, 402854, 402855, 402856, 402857, 402858, 402859, 402860, 402861, 402862, 402863.
Eidolon helvum (Kerr, 1792):
USNM: 378785.
Epomophorus gambianus (Ogilby, 1835):
HZM: 29.12135, 35.12784. - **ROM:** 74216, 77703, 77705. - **USNM:** 378766, 378767.
Hipposideros caffer (Sundevall, 1846):
ROM: 86941.
Micropteropus pusillus (Peters, 1868):
ROM: 74213, 77702, 77710.
Myonycteris angolensis (Bocage, 1898):
ROM: 84071.
Neoromicia guineensis (Bocage, 1889):
ROM: 84086, 86293.
Neoromicia nana (Peters, 1852):
HZM: 259.12145. - **ROM:** 84069.
Neoromicia rendalli (Thomas, 1889):
HZM: 5.12141.
Neoromicia somalica (Thomas, 1901):
ROM: 77706, 77707, 77708, 84067, 84068, 84080, 84087. - **USNM:** 378862.
Nycteris hispida (Schreber, 1774):
BMNH: 1945.375.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 74212, 84070.
Pipistrellus hesperidus (Temminck, 1840):
ROM: 77709.
Pipistrellus nanulus Thomas, 1904:
ROM: 84066.
Pipistrellus rusticus (Tomes, 1861):
ROM: 84081.
Scotoecus hindei Thomas, 1901:
ROM: 74211.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 74204, 74206, 77704. - **USNM:** 378820, 378821, 378822, 378823, 378824, 378825, 378826, 378827, 378828, 378829, 378830, 378831, 378832, 378833, 402789.
Scotophilus viridis (Peters, 1852):
ROM: 77711

NE 11007Da:

Eidolon helvum (Kerr, 1792):
USNM: 402570, 402571, 402572, 402573.
Epomophorus gambianus (Ogilby, 1835):
USNM: 402380, 402382, 402384, 402385, 402386, 402387, 402390.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 401651, 402644, 402645, 402646, 402647, 402648, 402649, 402650, 402651, 402652, 402653, 402654, 402655, 402656, 402657, 402658, 402659, 402660, 402661, 402662

NE 11007Dd:

Rhinolophus landeri Martin, 1838:
SMF: 77325

NE 11008Bc:

Rhinolophus landeri Martin, 1838:
MCZ: 50183

NE 11008Dc:

Hipposideros ruber (Noack, 1893):
ROM: 84079.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 77740

NE 11011Ad:

Epomophorus gambianus (Ogilby, 1835):
USNM: 378775.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 378818.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 378834, 378835, 378836, 378837, 378838, 378839, 378840, 378841, 378842, 378843, 378844, 378845, 378846

NE 11013Ca:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
HZM: 9.9664

NE 11013Cc:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1950.173. - **HZM:** 25.9671.
Mops (Mops) midas (Sundevall, 1843):
BMNH: 1950.174, 1950.175, 1950.176, 1950.177, 1950.178, 1950.179, 1950.180, 1950.181.
Rhinolophus landeri Martin, 1838:
SMF: 44773, 44774.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ROM: 68784

NE 11014Bc:

Chaerephon ansorgei (Thomas, 1913):
RMCA: 73.015-M-0013, 73.015-M-0014, 73.015-M-0015, 73.015-M-0016, 73.015-M-0898, 73.016-M-0001, 73.016-M-0002, 73.016-M-0003, 73.016-M-0004, 73.016-M-0005, 73.016-M-0006, 73.016-M-0007, 73.017-M-0001, 73.017-M-0002, 73.017-M-0003, 73.017-M-0004, 73.017-M-0005, 73.017-M-0006, 73.017-M-0007, 73.017-M-0008, 73.017-M-0258, 73.017-M-0259, 73.017-M-0260, 73.017-M-0261, 73.017-M-0262, 73.017-M-0263, 73.017-M-0264, 73.017-M-0265, 73.017-M-0266, 73.017-M-0267, 73.017-M-0387, 73.017-M-0388, 73.017-M-0389, 73.017-M-0390, 73.017-M-0391, 73.017-M-0392, 73.017-M-0393, 73.017-M-0394, 73.017-M-0395, 73.017-M-0396, 73.017-M-0397, 73.017-M-0398, 73.017-M-0399, 73.017-M-0400, 73.017-M-0401, 73.017-M-0402, 73.017-M-0403, 73.017-M-0404, 73.017-M-0405, 73.017-M-0406, 73.017-M-0407, 73.017-M-0408, 73.017-M-0409, 73.017-M-0410, 73.017-M-0411, 73.017-M-0412, 73.017-M-0413, 73.017-M-0414, 73.017-M-0415, 73.017-M-0416, 73.017-M-0417, 73.017-M-0418, 73.017-M-0419, 73.017-M-0420, 73.017-M-0421, 73.017-M-0422, 73.017-M-0423, 73.017-M-0424, 73.017-M-0425, 73.017-M-0426, 73.017-M-0427, 73.017-M-0428, 73.017-M-0429, 73.017-M-0430, 73.017-M-0431, 73.017-M-0432, 73.017-M-0433, 73.017-M-0434, 73.017-M-0435, 73.017-M-0436.
Chaerephon bemmeleni (Jentink, 1879):
RMCA: 73.016-M-0314, 73.017-M-0268, 73.017-M-0269, 73.017-M-0270, 73.017-M-0271, 73.017-M-0272, 73.017-M-0437, 73.017-M-0438, 73.017-M-0439, 73.017-M-0440, 73.017-M-0441, 73.017-M-0442, 73.017-M-0443, 73.017-M-0444, 73.017-M-0445, 73.017-M-0446, 73.017-M-0447, 73.017-M-0448, 73.017-M-0449, 73.017-M-0450, 73.017-M-0451, 73.017-M-0452, 73.017-M-0453, 73.017-M-0454, 73.017-M-0455, 73.017-M-0456, 73.017-M-0457, 73.017-M-0458, 73.017-M-0459, 73.017-M-0460, 73.017-M-0461, 73.017-M-0462, 73.017-M-0463, 73.017-M-0464, 73.017-M-0465, 73.017-M-0466, 73.017-M-0467, 73.017-M-0468, 73.017-M-0469, 73.017-M-0470, 73.017-M-0471, 73.017-M-0472, 73.017-M-0473, 73.017-M-0474, 73.017-M-0475, 73.017-M-0476, 73.017-M-0477, 73.017-M-0478, 73.017-M-0479, 73.017-M-0480, 73.017-M-0481, 73.017-M-0482, 73.017-M-0483, 73.017-M-0484, 73.017-M-0485, 73.017-M-0486, 73.017-M-0487, 73.017-M-0488, 73.017-M-0489, 73.017-M-0490, 73.017-M-0491, 73.017-M-0492, 73.017-M-0493, 73.017-M-0494, 73.017-M-0495, 73.017-M-0496, 73.017-M-0497, 73.017-M-0498, 73.017-M-0499, 73.017-M-0500, 73.017-M-0501, 73.017-M-0502, 73.017-M-0503, 73.017-M-0504, 73.017-M-0505, 73.017-M-0506, 73.017-M-0507, 73.017-M-0508, 73.017-M-0509, 73.017-M-0510, 73.017-M-0511, 73.017-M-0512, 73.017-M-0513, 73.017-M-0514, 73.017-M-0515, 73.017-M-0516, 73.017-M-0517, 73.017-M-0518, 73.017-M-0519, 73.017-M-0520, 73.017-M-0521, 73.017-M-0522, 73.017-M-0523, 73.017-M-0524, 73.017-M-0525, 73.017-M-0526, 73.017-M-0527, 73.017-M-0528, 73.017-M-0529, 73.017-M-0530, 73.017-M-0531, 73.017-M-0532, 73.017-M-0533, 73.017-M-0534, 73.017-M-0535, 73.017-M-0536, 73.017-M-0537, 73.017-M-0538, 73.017-M-0539, 73.017-M-0540, 73.017-M-0541, 73.017-M-0542, 73.017-M-0543, 73.017-M-0544, 73.017-M-0545, 73.017-M-0546, 73.017-M-0547, 73.017-M-0548, 73.017-M-0549, 73.017-M-0550, 73.017-M-0551, 73.017-M-0552, 73.017-M-0553, 73.017-M-0554, 73.017-M-0555, 73.017-M-0556, 73.017-M-0557, 73.017-M-0558, 73.017-M-0559, 73.017-M-0560, 73.017-M-0561, 73.017-M-0562, 73.017-M-0563, 73.017-M-0564, 73.017-M-0565, 73.017-M-0566, 73.017-M-0567, 73.017-M-0568, 73.017-M-0569, 73.017-M-0570, 73.017-M-0571, 73.017-M-0572, 73.017-M-0573, 73.017-M-0574, 73.017-M-0575, 73.017-M-0576, 73.017-M-0577, 73.017-M-0578, 73.017-M-0579, 73.017-M-0580, 73.017-M-0581, 73.017-M-0582, 73.017-M-0583, 73.017-M-0584, 73.017-M-0585, 73.017-M-0586, 73.017-M-0587, 73.017-M-0588, 73.017-M-0589, 73.017-M-0590, 73.017-M-0591, 73.017-M-0592, 73.017-M-0593, 73.017-M-0594, 73.017-M-0595, 73.017-M-0596, 73.017-M-0597, 73.017-M-0598, 73.017-M-0599, 73.017-M-0600, 73.017-M-0601, 73.017-M-0602, 73.017-M-0603, 73.017-M-0604, 73.017-M-0714.
Chaerephon major (Trouessart, 1897):
RMCA: 73.015-M-0739, 73.015-M-0740, 73.015-M-0741, 73.015-M-0742, 73.015-M-0743, 73.015-M-0744, 73.015-M-0745, 73.015-M-0746, 73.015-M-0747, 73.015-M-0748, 73.015-M-0749, 73.015-M-0750, 73.015-M-0751, 73.015-M-0752, 73.015-M-0753, 73.015-M-0754, 73.015-M-0755, 73.015-M-0756, 73.015-M-0757, 73.015-M-0758, 73.015-M-0759, 73.015-M-0760, 73.015-M-0761, 73.015-M-0762, 73.015-M-0763, 73.016-M-0509, 73.016-M-0510, 73.016-M-0511, 73.016-M-0512, 73.016-M-0513, 73.016-M-0514, 73.016-M-0515, 73.016-M-0516, 73.016-M-0517, 73.016-M-0518, 73.016-M-0519, 73.016-M-0520, 73.016-M-0521, 73.016-M-0522, 73.016-M-0523, 73.016-M-0524, 73.016-M-0525, 73.016-M-0526, 73.016-M-0527, 73.016-M-0528, 73.016-M-0529, 73.016-M-0530, 73.016-M-0531, 73.016-M-0532, 73.016-M-0533, 73.016-M-0534, 73.016-M-0535, 73.016-M-0536, 73.016-M-0537, 73.016-M-0538, 73.016-M-0539, 73.016-M-0540, 73.016-M-0541, 73.016-M-0542, 73.016-M-0543, 73.016-M-0544, 73.016-M-0545, 73.016-M-0546, 73.016-M-0547, 73.016-M-0548, 73.016-M-0549, 73.016-M-0550,

73.016-M-0551, 73.016-M-0601, 73.016-M-0602, 73.016-M-0603, 73.016-M-0604, 73.016-M-0605, 73.016-M-0606, 73.016-M-0607, 73.016-M-0608, 73.016-M-0609, 73.016-M-0610, 73.016-M-0611, 73.016-M-0612, 73.016-M-0613, 73.016-M-0614, 73.016-M-0615, 73.016-M-0616, 73.016-M-0617, 73.016-M-0618, 73.016-M-0619, 73.016-M-0620, 73.016-M-0621, 73.016-M-0622, 73.016-M-0623, 73.016-M-0624, 73.016-M-0625, 73.016-M-0626, 73.016-M-0627, 73.016-M-0628, 73.016-M-0629, 73.016-M-0630, 73.016-M-0631, 73.016-M-0632, 73.016-M-0633, 73.016-M-0634, 73.016-M-0635, 73.016-M-0636, 73.017-M-0273, 73.017-M-0274, 73.017-M-0379, 73.017-M-0380, 73.017-M-0381, 73.017-M-0382, 73.017-M-0383, 73.017-M-0384, 73.017-M-0385, 73.017-M-0386, 73.017-M-0696, 73.017-M-0697, 73.017-M-0698, 73.017-M-0699, 73.017-M-0700, 73.017-M-0701, 73.017-M-0702, 73.017-M-0703, 73.017-M-0704, 73.017-M-0705, 73.017-M-0706, 73.017-M-0707, 73.017-M-0708, 73.017-M-0709, 73.017-M-0710, 73.017-M-0711, 73.017-M-0712, 73.017-M-0713, 73.017-M-0724.

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.015-M-0827, 73.015-M-0828, 73.015-M-0829, 73.015-M-0830, 73.015-M-0831, 73.015-M-0832, 73.015-M-0833, 73.015-M-0834, 73.015-M-0835, 73.016-M-0553, 73.016-M-0554, 73.016-M-0555, 73.016-M-0556, 73.016-M-0557, 73.016-M-0558, 73.016-M-0559, 73.016-M-0560, 73.016-M-0561, 73.016-M-0562, 73.016-M-0563, 73.016-M-0564, 73.016-M-0565, 73.016-M-0566, 73.016-M-0567, 73.016-M-0568, 73.016-M-0569, 73.016-M-0570, 73.016-M-0571, 73.016-M-0572, 73.016-M-0573, 73.016-M-0574, 73.016-M-0575, 73.016-M-0576, 73.016-M-0577, 73.016-M-0578, 73.016-M-0579, 73.016-M-0580, 73.016-M-0581, 73.016-M-0582, 73.016-M-0583, 73.016-M-0584, 73.016-M-0585, 73.016-M-0586, 73.016-M-0587, 73.016-M-0588, 73.016-M-0589, 73.016-M-0590, 73.016-M-0591, 73.016-M-0592, 73.017-M-0622, 73.017-M-0623, 73.017-M-0624, 73.017-M-0625, 73.017-M-0626, 73.017-M-0627, 73.017-M-0628, 73.017-M-0629, 73.017-M-0630, 73.017-M-0631, 73.017-M-0632, 73.017-M-0633, 73.017-M-0634, 73.017-M-0635, 73.017-M-0636, 73.017-M-0637, 73.017-M-0638.

Eidolon helvum (Kerr, 1792):
RMCA: 73.015-M-0726, 73.016-M-0099, 73.017-M-0357, 73.017-M-0358, 73.017-M-0359, 73.017-M-0363, 73.017-M-0368.

Hipposideros caffer (Sundevall, 1846):
RMCA: 73.015-M-0586, 73.015-M-0587, 73.015-M-0588, 73.016-M-0305, 73.017-M-0240.

Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.015-M-0895, 73.015-M-0896, 73.015-M-0897, 73.017-M-0651, 73.017-M-0652, 73.017-M-0653, 73.017-M-0654, 73.017-M-0655, 73.017-M-0656, 73.017-M-0657, 73.017-M-0658, 73.017-M-0659, 73.017-M-0660, 73.017-M-0661.

Mops (Mops) midas (Sundevall, 1843):
RMCA: 73.015-M-0764, 73.015-M-0765, 73.015-M-0766.

Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 73.017-M-0761.

Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1975-1061.

Neoromicia guineensis (Bocage, 1889):
RMCA: 73.015-M-0583.

Neoromicia nana (Peters, 1852):
RMCA: 73.016-M-0423.

Neoromicia rendalli (Thomas, 1889):
RMCA: 73.015-M-0584, 73.015-M-0585, 73.016-M-0421, 73.016-M-0422.

Nycteris hispida (Schreber, 1774):
RMCA: 73.015-M-0256, 73.017-M-0073, 73.017-M-0074, 73.017-M-0075, 73.017-M-0076, 73.017-M-0077. - **ZFMK:** 1974.0313, 1974.0314, 1974.0315, 1974.0316, 1974.0317, 1974.0318, 1974.0319, 1974.0320, 1974.0321, 1974.0322, 1974.0323, 1974.0324, 1974.0325, 1974.0418A, 1974.0418B, 1974.0418C, 1974.0418D, 1974.0418E, 1974.0418F, 1974.0418G, 1974.0418H, 1974.0418I, 1974.0418J, 1974.0418K, 1974.0418L, 1974.0418M.

Nycteris macrotis Dobson, 1876:
RMCA: 73.016-M-0157, 73.016-M-0158, 73.016-M-0159, 73.017-M-0072. - **ZFMK:** 1974.0308, 1974.0309, 1974.0310, 1974.0311, 1974.0312, 1974.0424A, 1974.0424B, 1974.0424C, 1974.0424D, 1974.0424E.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.016-M-0161.

Nycticeinops schlieffenii (Peters, 1859):
RMCA: 73.015-M-0589, 73.015-M-0590, 73.015-M-0591, 73.016-M-0310.

Pipistrellus rueppellii (Fischer, 1829):
RMCA: 73.015-M-0593, 73.015-M-0594, 73.015-M-0595, 73.015-M-0596, 73.015-M-0597, 73.015-M-0598, 73.015-M-0599, 73.015-M-0600, 73.015-M-0601, 73.015-M-0602, 73.015-M-0603, 73.015-M-0604, 73.015-M-0605, 73.015-M-0606, 73.015-M-0607, 73.015-M-0608, 73.015-M-0609, 73.015-M-0610, 73.015-M-0611, 73.015-M-0612, 73.015-M-0613, 73.015-M-0727.

Rhinolophus landeri Martin, 1838:
RMCA: 73.015-M-0617, 73.016-M-0170, 73.017-M-0133.

Rhinopoma microphyllum (Brünnich, 1782):
RMCA: 73.016-M-0171, 73.016-M-0172, 73.017-M-0134.

Scotophilus leucogaster (Cretzschmar, 1826):
RMCA: 73.015-M-0042, 73.015-M-0043, 73.015-M-0044, 73.015-M-0045, 73.015-M-0046, 73.015-M-0047, 73.015-M-0048, 73.015-M-0049, 73.015-M-0050, 73.015-M-0051, 73.015-M-0052, 73.015-M-0065, 73.015-M-0066, 73.015-M-0067, 73.015-M-0068, 73.015-M-0069, 73.016-M-0011, 73.016-M-0012, 73.016-M-0013, 73.016-M-0014, 73.016-M-0015, 73.016-M-0128, 73.016-M-0129, 73.017-M-0021, 73.017-M-0022, 73.017-M-0023, 73.017-M-0024, 73.017-M-0025, 73.017-M-0026, 73.017-M-0027, 73.017-M-0028, 73.017-M-0029, 73.017-M-0030, 73.017-M-0031, 73.017-M-0034, 73.017-M-0044.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.016-M-0315, 73.016-M-0316, 73.017-M-0275, 73.017-M-0276.

Taphozous nudiventris Cretzschmar, 1830:
RMCA: 73.015-M-0638, 73.015-M-0639, 73.015-M-0640, 73.015-M-0641, 73.015-M-0642, 73.015-M-0643, 73.015-M-0644, 73.015-M-0645, 73.015-M-0646, 73.015-M-0647, 73.015-M-0648, 73.015-M-0649, 73.015-M-0650, 73.015-M-0651, 73.015-M-0652, 73.015-M-0653, 73.015-M-0654, 73.015-M-0655, 73.015-M-0656, 73.015-M-0657, 73.015-M-0658, 73.015-M-0659, 73.015-M-0660, 73.015-M-0661, 73.015-M-0662, 73.015-M-0663, 73.015-M-0664, 73.015-M-0665, 73.015-M-0666, 73.015-M-0667, 73.015-M-0668, 73.015-M-0732, 73.015-M-0733, 73.015-M-0734, 73.015-M-0735, 73.016-M-0331, 73.016-M-0332, 73.016-M-0333, 73.016-M-0334, 73.016-M-0335, 73.016-M-0336, 73.016-M-0337, 73.016-M-0338, 73.016-M-0339, 73.016-M-0340, 73.016-M-0341, 73.016-M-0342, 73.016-M-0497, 73.016-M-0498, 73.016-M-0499, 73.016-M-0500, 73.016-M-0501, 73.016-M-0502, 73.016-M-0503, 73.016-M-0504, 73.016-M-0505, 73.016-M-0506, 73.016-M-0507, 73.017-M-0374, 73.017-M-0375, 73.017-M-0376, 73.017-M-0377, 73.017-M-0378

NE 11015Aa:

Eidolon helvum (Kerr, 1792):
RMCA: 73.016-M-0294, 73.016-M-0295, 73.016-M-0414, 73.016-M-0415.
Neoromicia rendalli (Thomas, 1889):
RMCA: 73.016-M-0424

NE 11015Cb:

Neoromicia rendalli (Thomas, 1889):
MHNG: 1717.071

NE 11017Bb:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 6395.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
SMF: 6371, 6372, 6373, 6374, 6375, 6377, 6378, 6379.
Nycteris hispida (Schreber, 1774):
SMF: 6384, 6385, 6386, 6387, 6388. - **ZMH:** 9

NE 11029Ac:

Rhinolophus landeri Martin, 1838:
SMF: 33014

NE 11029Ba:

Coleura afra (Peters, 1852):
SMF: 32829, 32840, 32841, 32842, 32843, 32844, 32845, 32846, 32847, 32848, 32849, 32850, 32851, 32852, 32853, 32854, 32855, 32856, 32857, 32858, 32859, 32860, 32861, 32862, 32863, 32864, 32865, 32866, 32867, 32868, 32869, 32870, 32871, 32872, 32873, 32874, 32875, 32876, 32877, 32878, 32879, 32880, 32881, 32882, 32883, 32884, 32885, 32886, 32887, 32888, 32889, 32890, 32891, 32892, 32893, 32894, 32895, 32896, 32897, 32898, 32899, 32900, 32901, 32902, 32903, 32904, 32905, 32906, 32907, 32908, 32909, 32911, 32912, 32913, 32914, 32915, 32916, 32917, 32918, 32919, 32920.
Eidolon helvum (Kerr, 1792):
SMF: 32793, 32794, 32795, 32796, 32798, 32799, 32804, 32805, 32806.
Epomophorus labiatus (Temminck, 1837):
SMF: 33054, 33154, 33155.
Hipposideros ruber (Noack, 1893):
SMF: 33012.
Hipposideros tephrus (Cabrera, 1906):
SMF: 32697, 32698, 32699, 33007, 33008, 33009, 33010, 33011.
Hypsugo ariel (Thomas, 1904):
BMNH: 1928.3.11.7.
Neoromicia nana (Peters, 1852):
SMF: 33280.
Pipistrellus rusticus (Tomes, 1861):
SMF: 33282.
Rhinolophus landeri Martin, 1838:
SMF: 33015, 33016, 33017, 33018, 33019, 33020, 33021.
Rhinopoma cystops Thomas, 1903:
SMF: 33196, 33197, 33201, 33202, 33203, 33204, 33205, 33206, 33207, 33208, 33209, 33210.
Rhinopoma microphyllum (Brünnich, 1782):
SMF: 33198, 33199, 33200, 33214, 33215, 33265.
Scotophilus leucogaster (Cretzschmar, 1826):
SMF: 33080, 33081, 33082, 33091, 33178, 33179, 33186, 33187, 33188, 33189, 33190, 33191, 33239, 33250, 33251, 33252, 33253, 33254, 33255, 33256, 33257, 33258, 33259.
Scotophilus nigrita (Schreber, 1774):
SMF: 32786, 32787.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
SMF: 33108, 33109, 33110, 33111, 33112, 33113, 33114

NE 11030Cd:

Rhinolophus clivosus Cretzschmar, 1828:
ROM: 77214

NE 11031Ac:

Scotophilus leucogaster (Cretzschmar, 1826):
SMF: 33174

NE 11032Da:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 82227, 82231, 82232, 82234

NE 11032Dc:

Nycteris hispida (Schreber, 1774):
BMNH: 1901.8.8.11

NE 11032Dd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 166625, 166626

NE 11033Dc:

Mops (Mops) midas (Sundevall, 1843):
BMNH: 1846.6.2.20

NE 11034Cb:

Mops (Mops) demonstrator (Thomas, 1903):
MCZ: 14458.
Neoromicia rendalli (Thomas, 1889):
MCZ: 14467

NE 11034Cd:

Neoromicia rendalli (Thomas, 1889):
MCZ: 14615

NE 11034Da:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1911.11.25.4

NE 11034Bd:

Epomophorus labiatus (Temminck, 1837):
MCZ: 14453, 14454, 14605.
Mops (Mops) midas (Sundevall, 1843):
MCZ: 14455.
Scotophilus leucogaster (Cretzschmar, 1826):
MCZ: 14464

NE 11036Bd:

Pipistrellus hesperidus (Temminck, 1840):
BMNH: 1928.1.11.31, 1928.1.11.34, 1928.1.11.35, 1928.1.11.37, 1928.1.11.38, 1928.1.11.39.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1928.1.11.26, 1928.1.11.27, 1928.1.11.28, 1937.2.24.14, 1937.2.24.15, 1937.2.24.16

NE 11037Cc:

Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 28781

NE 11037Cb:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1923.3.26.2.
Neoromicia nana (Peters, 1852):
SMF: 40642, 40643, 40644, 40645, 40646

NE 11037Dd:

Scotophilus dinganii (A. Smith, 1833):
CM: 114043

NE 11040Ca:

Epomophorus labiatus (Temminck, 1837):
SMNS: 29860, 29880

NE 11042Ba:

Rhinopoma cystops Thomas, 1903:
FMNH: 68193, 68195, 68196. - **USNM:** 297732, 297733

NE 11042Dc:

Coleura afra (Peters, 1852):
MNHN: ZM-MO-2000-552.
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015:
BMNH: 1969.1256

NE 11043Ac:

Rhinopoma cystops Thomas, 1903:
FMNH: 68194, 68197, 68198

NE 11043Ca:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 14929.
Pipistrellus hesperidus (Temminck, 1840):
FMNH: 68192.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-2000-550

NE 11043Ad:

Coleura afra (Peters, 1852):
BMNH: 1911.8.2.1, 1911.8.2.3, 1911.8.2.5, 1911.8.2.6. - **ZMB:** 72250, 72251

NE 11043Cd:

Pipistrellus hesperidus (Temminck, 1840):
MNHN: ZM-MO-1895-453, ZM-MO-1895-454, ZM-MO-1895-455, ZM-MO-1895-456, ZM-MO-1895-457.
Vespertilioninae Gray, 1821:
MNHN: ZM-MO-1893-346, ZM-MO-1893-347, ZM-MO-1893-348, ZM-MO-1893-349

NE 11049Aa:

Rhinopoma macinnesi Hayman, 1937:
MZUF: 7872, 7873, 7874, 7875, 7876, 7883, 7884, 7885, 7886, 7887, 7888, 7889, 7890, 7891, 7892

NE 11049Ac:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MSNM: 1028, 1029, 1030, 1031

NE 11049Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 188270, 188271. - **MSNM:** 1038

NE 11050Dc:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
USNM: 448825, 448826, 448827, 448828, 448829, 448830, 448831

NW 10013Ba:

Nycteris hispida (Schreber, 1774):
NMW: 10341

NW 10012Ac:

Nycteris grandis Peters, 1865:
MNHN: ZM-MO-1911-1567

NW 10012Ab:

Epomophorus gambianus (Ogilby, 1835):
ZMA: MAM.10743.

Epomops buettikoferi (Matschie, 1899):
ZMA: MAM.10733, MAM.10866, MAM.10867, MAM.10868, MAM.10870, MAM.10872, MAM.10873, MAM.10875, MAM.10877, MAM.10879, MAM.10883, MAM.10885, MAM.10886.
Micropteropus pusillus (Peters, 1868):
ZMA: MAM.10737, MAM.10741, MAM.10742, MAM.10763, MAM.10764, MAM.10765, MAM.10766, MAM.10767, MAM.10768, MAM.10769, MAM.10770, MAM.10771, MAM.10772, MAM.10773, MAM.10774, MAM.10775, MAM.10776, MAM.10777, MAM.10778, MAM.10779, MAM.10780, MAM.10781, MAM.10782, MAM.10783, MAM.10784, MAM.10785, MAM.10786, MAM.10787, MAM.10788, MAM.10789, MAM.10790, MAM.10791, MAM.10792, MAM.10793, MAM.10794, MAM.10795, MAM.10796, MAM.10797, MAM.10798, MAM.10799, MAM.10800, MAM.10801, MAM.10802, MAM.10803, MAM.10804, MAM.10805, MAM.10806, MAM.10807, MAM.10808, MAM.10809, MAM.10810, MAM.10811, MAM.10812, MAM.10813, MAM.10814, MAM.10815, MAM.10816, MAM.10817, MAM.10818, MAM.10819, MAM.10820, MAM.10821, MAM.10822, MAM.10823, MAM.10824, MAM.10825, MAM.10826, MAM.10827, MAM.10828, MAM.10829, MAM.10830, MAM.10831, MAM.10832, MAM.10833, MAM.10834, MAM.10835, MAM.10836, MAM.10837, MAM.10838, MAM.10839, MAM.10840, MAM.10841, MAM.10842, MAM.10843, MAM.10844, MAM.10845, MAM.10846, MAM.10847, MAM.10848, MAM.10849, MAM.10850, MAM.10851, MAM.10852, MAM.10853, MAM.10854, MAM.10855, MAM.10856, MAM.10857, MAM.10858, MAM.10859, MAM.10860, MAM.10861, MAM.10862, MAM.10863, MAM.10864.
Myonycteris angolensis smithii (Thomas, 1908):
ZMA: MAM.10735, MAM.10738.
Nanonycteris veldkampii (Jentink, 1888):
ZMA: MAM.10734, MAM.10736, MAM.10740, MAM.10744, MAM.10865.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.10739, MAM.10869, MAM.10871, MAM.10874, MAM.10876, MAM.10878, MAM.10880, MAM.10881, MAM.10882, MAM.10884

NW 10012Cb:

Miniopterus inflatus Thomas, 1903:
MHNG: IFAN 54-1-1

NW 10012Ba:

Neoromicia rendalli (Thomas, 1889):
ZMA: MAM.12197.
Nycteris gambiensis (K. Andersen, 1912):
SMF: 43668, 43669, 43670. - **SMNS:** 6122, 6123, 6124, 6129, 6130, 6131, 6134. - **ZFMK:** 1959.0198, 1959.0199.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMNS: 6126, 6127, 6128, 6135. - **ZFMK:** 1959.0353.
Rhinolophus denti Thomas, 1904:
SMNS: 6111, 6112, 6112a.
Rhinolophus guineensis Eisentraut, 1960:
SMNS: 6104, 6105, 6106, 6107, 6108, 6109, 6113.
Rhinolophus maclaudi Pousargues, 1898:
IFAN: 54-1-25. - **ZMA:** MAM.11885

NW 10012Bb:

Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1985-786, ZM-MO-1985-787, ZM-MO-1985-788, ZM-MO-1985-789, ZM-MO-1985-825.
Myotis bocagii (Peters, 1870):
MNHN: ZM-MO-1985-1043.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-951.
Nycteris macrotis Dobson, 1876:
MNHN: ZM-MO-1985-287. - **ZFMK:** 1959.0197.
Rhinolophus guineensis Eisentraut, 1960:
MNHN: ZM-MO-1985-944

NW 10010Ac:

Chaerephon russatus J.A. Allen, 1917:
ZFMK: 1997.0448.
Epomops buettikoferi (Matschie, 1899):
ZFMK: 1997.0435.
Hipposideros ruber (Noack, 1893):
ZFMK: 1997.0441, 1997.0442, 1997.0443.
Myonycteris leptodon K. Andersen, 1908:
ZFMK: 1997.0419.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZFMK: 1997.0450

NW 10009Db:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1984-1216.

Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1905-457A, ZM-MO-1905-457B.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
MNHN: ZM-MO-1905-449.
Myonycteris leptodon K. Andersen, 1908:
MNHN: ZM-MO-1902-21.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1905-450.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
MNHN: ZM-MO-1905-448

NW 10004Cb:

Eidolon helvum (Kerr, 1792):
USNM: 467919, 467920.
Epomophorus gambianus (Ogilby, 1835):
USNM: 467778, 467779, 467780, 467781, 467782, 467783, 467784, 467785, 467786, 467787, 467788, 467789, 467790, 467791, 467792, 467793, 467794, 467795, 467796, 467797, 467798, 467799, 467800, 467801, 467802, 467803, 467804, 467805, 467806.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 467884, 467885, 467886, 467887, 467888, 467889, 467890, 467891, 467892, 467893.
Nycteris hispida (Schreber, 1774):
USNM: 467986, 467987, 467988, 467989, 467990, 467991, 467992, 467993, 467994, 467995, 467996, 467997, 467998, 467999, 468000, 468001, 468002

NW 10004Bd:

Eidolon helvum (Kerr, 1792):
USNM: 467918.
Epomophorus gambianus (Ogilby, 1835):
USNM: 467765, 467766, 467767, 467768, 467769, 467770, 467771, 467772, 467773, 467774, 467775, 467776, 467777, 467833.
Micropteropus pusillus (Peters, 1868):
USNM: 467912.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 467968, 467969, 467973, 467974, 467984, 467985.
Nycteris hispida (Schreber, 1774):
USNM: 467966, 467967, 467970, 467971, 467972, 467975, 467976, 467977, 467978, 467979, 467980, 467981, 467982, 467983

NW 10003Cc:

Epomophorus gambianus (Ogilby, 1835):
USNM: 467807, 467808, 467809, 467810.
Hipposideros abae J.A. Allen, 1917:
USNM: 468074, 468075, 468076.
Hipposideros jonesi Hayman, 1947:
USNM: 468150, 468151, 468152, 468153, 468154, 468155.
Hipposideros ruber (Noack, 1893):
USNM: 468113, 468114, 468115, 468116, 468117, 468118, 468119, 468120, 468121.
Micropteropus pusillus (Peters, 1868):
USNM: 467913.
Neoromicia guineensis (Bocage, 1889):
BMNH: 1984.1019.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 468005, 468006, 468007, 468008, 468009, 468010, 468014, 468015, 468016, 468017, 468018, 468019, 468020, 468021, 468022, 468025, 468026, 468028.
Nycteris hispida (Schreber, 1774):
USNM: 468003, 468004, 468011, 468012, 468013, 468023, 468024, 468027, 468029.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 468190.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 468159, 468160.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 468196, 468197, 468198

NW 10003Cd:

Hipposideros abae J.A. Allen, 1917:
SMF: 60987, 60988.
Hipposideros ruber (Noack, 1893):
SMF: 60985.
Nycteris gambiensis (K. Andersen, 1912):
SMF: 60944.

Rhinolophus landeri Martin, 1838:
SMF: 60946, 60947, 60948, 60949, 60950, 60951, 60952

NW 10002Ac:

Epomophorus gambianus (Ogilby, 1835):
USNM: 535023, 535024.
Nycteris hispida (Schreber, 1774):
USNM: 535025, 535026

NW 10002Ca:

Scotophilus Leach, 1821:
KU: 165576, 165577

NW 10002Cc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 420100, 420101, 420102.
Epomophorus gambianus (Ogilby, 1835):
USNM: 414707, 414708, 414709, 414710, 414711, 414712, 414713, 414714, 414715, 414716, 414717, 414718, 414719, 414720, 414721, 414722, 414723, 414724, 414725, 414726, 414727, 414728, 414729, 414733, 414734, 414735, 414736, 414737, 414738, 414739, 478529, 478530, 478531, 478532, 478533, 478534, 478535.
Neoromicia somalica (Thomas, 1901):
USNM: 414993.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 414819, 414883, 414884, 414885, 414886, 414887, 414887(A), 414888, 414890, 414891, 414892, 414893, 414894, 414895, 414896, 414897, 414898, 414899, 414900, 414901, 478768, 478769, 478770, 478771, 478772, 576175.
Nycteris hispida (Schreber, 1774):
USNM: 414813, 414814, 414815, 414816, 414817, 414818, 414820, 414821, 414822, 414823, 414824, 414825, 414826, 414827, 414828, 414829, 414889, 478957.
Nycteris macrotis Dobson, 1876:
USNM: 414887(B), 414937, 414938, 414939, 414940, 414941, 414942, 414943, 414944, 414945.
Rhinolophus denti Thomas, 1904:
USNM: 414972.
Scotophilus nigrita (Schreber, 1774):
USNM: 420075

NW 10002Ab:

Epomophorus gambianus (Ogilby, 1835):
USNM: 414696, 414697, 414698, 414699, 414700, 414701, 414702, 414703, 414704, 414705, 414706.
Micropteropus pusillus (Peters, 1868):
USNM: 414761, 414762, 414763, 414764, 414765.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 414799, 414843, 414844, 414845, 414846, 414847, 414848, 414849, 414850, 414851, 414852, 414853, 414854, 414855, 414856, 414857, 414858, 414859, 414860, 414861, 414862, 414863, 414864, 414865, 414866, 414867, 414868, 414869, 414870, 414871, 414872, 414873, 414874, 414875, 414876, 414877, 414878, 414879, 414880, 414881, 414882, 478738, 478739, 478740, 478741, 478742, 478743, 478744, 478745, 478746, 478747, 478748, 478749, 478750, 478751, 478752, 478753, 478754, 478755, 478756, 478757, 478758, 478759, 478760, 478761, 478762, 478763, 478764, 478765, 478766, 478767.
Nycteris hispida (Schreber, 1774):
USNM: 414793, 414794, 414795, 414796, 414797, 414798, 414800, 414801, 414802, 414803, 414804, 414805, 414806, 414807, 414808, 414809, 414810, 414811, 414812, 478949, 478950, 478951, 478952, 478953, 478954, 478955, 478956.
Nycteris macrotis Dobson, 1876:
USNM: 414916, 414917, 414918, 414919, 414920, 414921, 414922, 414923, 414924, 414925, 414926, 414927, 414928, 414929, 414930, 414931, 414932, 414933, 414934, 414935, 414936.
Otomops martiensseni (Matschie, 1897):
USNM: 420099

NW 10002Dc:

Epomophorus gambianus (Ogilby, 1835):
USNM: 414730.
Micropteropus pusillus (Peters, 1868):
USNM: 414766.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 414830, 414902, 414903, 414904, 414905, 414906, 414907, 414908, 414909, 414910, 414911, 414912, 478773, 478774, 478775, 478776, 478777, 478778, 478779, 478780.
Nycteris hispida (Schreber, 1774):
USNM: 414831, 414832.
Nycteris macrotis Dobson, 1876:
USNM: 414946, 414947, 414948, 414949, 414950, 414951, 414952, 414953, 414954, 414955, 414956, 414957, 414958, 414959, 414960, 414961, 414962, 414963, 414964, 414965, 414966, 414967.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 479186, 479187, 479188, 479189, 479190, 479191, 479192, 479193, 479194, 479195, 479196, 479197

NW 10002Db:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1950.1507, 1950.1508. - **MCZ:** 56828, 56829, 56830

NW 10001Dd:

Nycteris macrotis Dobson, 1876:
BMNH: 1965.748

NW 10000Ca:

Epomophorus gambianus (Ogilby, 1835):
USNM: 424698, 424699, 424700, 424701, 424702, 424703, 424704, 424705, 424706, 424707

NW 10000Cb:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 424937, 424938.
Eidolon helvum (Kerr, 1792):
USNM: 424825, 424826, 424827, 424828, 424829, 424830, 424831, 424832, 424833, 424834.
Epomophorus gambianus (Ogilby, 1835):
BMNH: 1899.6.15.1. - **USNM:** 424708, 424709, 424710, 424711, 424712, 424713, 424714, 424715, 424716, 424717, 424718, 424719, 424720, 424721.
Hipposideros fuliginosus (Temminck, 1853):
USNM: 424847.
Micropteropus pusillus (Peters, 1868):
BMNH: 1898.10.24.1. - **USNM:** 424785, 424786.
Nanonycteris veldkampii (Jentink, 1888):
USNM: 424821.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 478783, 478784, 478785.
Scotoecus hirundo (de Winton, 1899):
BMNH: 1899.6.15.8.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 424875, 424880, 424881, 424882.
Scotophilus viridis (Peters, 1852):
BMNH: 1899.6.15.9. - **USNM:** 424873, 424874, 424876, 424877, 424878, 424879

NW 10000Da:

Nycteris macrotis Dobson, 1876:
BMNH: 1899.6.15.4

NE 10000Cc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.009-M-0481, 73.009-M-0482, 73.009-M-0483, 73.009-M-0484, 73.009-M-0485, 73.009-M-0486, 73.009-M-0487, 73.009-M-0560, 73.009-M-0561, 73.009-M-0562, 73.009-M-0563, 73.009-M-0564, 73.009-M-0565, 73.009-M-0566, 73.009-M-0567, 73.009-M-0568. - **USNM:** 437828, 437829, 480158.
Doryrhina cyclops (Temminck, 1853):
RMCA: 73.009-M-0605.
Eidolon helvum (Kerr, 1792):
RMCA: 73.011-M-0583, 73.011-M-0584, 73.011-M-0585, 73.011-M-0586, 73.011-M-0587, 73.011-M-0588, 73.011-M-0589, 73.011-M-0590, 73.011-M-0591, 73.011-M-0592, 73.011-M-0944, 73.011-M-0945, 73.011-M-0946. - **USNM:** 437596, 437597, 478561, 478562, 478563.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.009-M-0240, 73.009-M-0241, 73.009-M-0242, 73.009-M-0243, 73.009-M-0244, 73.009-M-0245, 73.009-M-0246, 73.009-M-0247, 73.009-M-0248, 73.009-M-0249, 73.009-M-0250, 73.009-M-0251, 73.009-M-0252, 73.009-M-0253, 73.009-M-0254, 73.009-M-0255, 73.009-M-0256, 73.009-M-0257, 73.009-M-0258, 73.009-M-0259, 73.009-M-0260, 73.009-M-0261, 73.009-M-0262, 73.009-M-0263, 73.009-M-0264, 73.009-M-0265, 73.009-M-0266, 73.009-M-0267, 73.009-M-0268, 73.009-M-0269, 73.009-M-0298, 73.009-M-0299, 73.009-M-0300, 73.009-M-0301, 73.009-M-0302, 73.009-M-0303, 73.009-M-0304, 73.009-M-0305, 73.009-M-0306, 73.009-M-0572, 73.009-M-0573, 73.009-M-0603, 73.009-M-0604.
Epomops franqueti (Tomes, 1860):
RMCA: 73.009-M-0571.
Macronycteris vittatus (Peters, 1852):
RMCA: 73.009-M-0309.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 437616, 437617, 437618, 437619, 437620, 478788.
Nycteris hispida (Schreber, 1774):
RMCA: 73.009-M-0078, 73.009-M-0079, 73.009-M-0080, 73.009-M-0081, 73.009-M-0082, 73.009-M-0083, 73.009-M-0084, 73.009-M-0085, 73.009-M-0086, 73.009-M-0087, 73.009-M-0088, 73.009-M-0089, 73.009-M-0090, 73.009-M-0091, 73.009-M-

0092, 73.009-M-0093, 73.009-M-0094, 73.009-M-0095, 73.009-M-0096, 73.009-M-0097, 73.009-M-0098, 73.009-M-0099, 73.009-M-0100, 73.009-M-0101, 73.009-M-0102, 73.009-M-0103, 73.009-M-0104, 73.009-M-0105, 73.009-M-0106, 73.009-M-0107, 73.009-M-0108, 73.009-M-0109, 73.009-M-0110, 73.009-M-0111, 73.009-M-0112, 73.009-M-0113, 73.009-M-0114, 73.009-M-0115, 73.009-M-0116, 73.009-M-0579. - **USNM:** 437614, 437615.
Nycteris macrotis Dobson, 1876:
RMCA: 73.009-M-0117.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 437692, 437693, 437694, 437695, 437696, 437697, 437698, 437699, 437700, 437701, 437702, 437703, 437704, 437705, 437706, 437707, 437708, 437709, 437710, 437711, 437712, 437713, 437714, 437715, 437716, 479234, 479235, 479236, 479237, 479238, 479239, 479240, 479241, 479242, 479243, 479244, 479245, 479246, 479247, 479248, 479250, 479251, 479252, 479253, 479254, 479255, 479256, 479257, 479258.
Scotophilus leucogaster (Cretzschmar, 1826):
RMCA: 73.009-M-0008, 73.009-M-0009, 73.009-M-0010, 73.009-M-0011, 73.009-M-0012, 73.009-M-0013, 73.009-M-0014, 73.009-M-0015

NE 10000Ab:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 437635, 437636, 437637, 437638, 437639, 437640, 437641, 437642, 437643, 437644, 437645, 437646, 437647, 437648, 437649, 437650, 437651, 437652, 437653, 437654, 437655, 437656, 437657, 437658, 437659, 437660, 437661, 437662, 437663, 437664, 437665, 437666, 437667, 437668, 437669, 437670, 437671, 437672, 437673, 437674, 437675, 437676, 437677, 437678, 437679, 437680, 437681, 437682, 437683, 437684, 437685, 437686, 437687, 437688, 437689, 437690, 437691, 479203, 479204, 479205, 479206, 479207, 479208, 479209, 479210, 479211, 479212, 479213, 479214, 479215, 479216, 479217, 479218, 479219, 479220.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 437779.
Nycteris macrotis Dobson, 1876:
USNM: 437623, 437624, 437625

NE 10000Ad:

Chaerephon major (Trouessart, 1897):
RMCA: 73.009-M-0452, 73.009-M-0453, 73.009-M-0454, 73.009-M-0455, 73.009-M-0456, 73.009-M-0457, 73.009-M-0458, 73.009-M-0459, 73.009-M-0460, 73.009-M-0461, 73.009-M-0488, 73.009-M-0515, 73.009-M-0516, 73.009-M-0517, 73.009-M-0518, 73.009-M-0519, 73.009-M-0520, 73.009-M-0521, 73.013-M-0801, 73.013-M-0802, 73.013-M-0803, 73.013-M-0804, 73.013-M-0805, 73.013-M-0806, 73.013-M-0807, 73.013-M-0808, 73.013-M-0809, 73.013-M-0810.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.009-M-0575, 73.009-M-0576.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.013-M-0767, 73.013-M-0768, 73.013-M-0772.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.013-M-0582, 73.013-M-0583. - **ZMB:** 55559, 67854.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.013-M-0657, 73.013-M-0658, 73.013-M-0659, 73.013-M-0660, 73.013-M-0661, 73.013-M-0670, 73.013-M-0671

NE 10000Cd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.011-M-0164, 73.011-M-0165, 73.011-M-0683, 73.011-M-0938, 73.011-M-0939, 73.011-M-0940, 73.011-M-0941, 73.011-M-0942, 73.011-M-0943, 73.011-M-0986, 73.011-M-0987, 73.011-M-0988, 73.011-M-0989, 73.011-M-0990, 73.011-M-0991, 73.011-M-0992, 73.011-M-0993, 73.011-M-0994, 73.011-M-0995, 73.011-M-0996, 73.011-M-0997, 73.011-M-0998, 73.011-M-0999.
Eidolon helvum (Kerr, 1792):
RMCA: 73.011-M-0579, 73.011-M-0580, 73.011-M-0581, 73.011-M-0582, 73.011-M-0593, 73.011-M-0594, 73.011-M-0595.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.011-M-0750, 73.011-M-0751, 73.011-M-0752, 73.011-M-0753, 73.011-M-0782, 73.011-M-0783, 73.011-M-0784, 73.011-M-0785, 73.011-M-0786, 73.011-M-0826, 73.011-M-0827, 73.011-M-0828, 73.011-M-0829, 73.011-M-0830, 73.011-M-0831, 73.011-M-0872, 73.011-M-0873, 73.011-M-0874, 73.011-M-0875.
Hipposideros caffer (Sundevall, 1846):
RMCA: 73.011-M-1058.
Hipposideros ruber (Noack, 1893):
RMCA: 73.011-M-0378, 73.011-M-0379, 73.011-M-0380, 73.011-M-0381.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.011-M-0646, 73.011-M-0647.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.011-M-0470, 73.011-M-0471, 73.011-M-0472.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.011-M-0713, 73.011-M-0714, 73.011-M-0715, 73.011-M-0716, 73.011-M-0717, 73.011-M-0718, 73.011-M-0719, 73.011-M-0720, 73.011-M-0721, 73.011-M-0722, 73.011-M-0723, 73.011-M-0724, 73.011-M-0725, 73.011-M-0726, 73.011-M-0727, 73.011-M-0728, 73.011-M-0729, 73.011-M-0730, 73.011-M-0731, 73.011-M-0732, 73.011-M-0733, 73.011-M-0734, 73.011-M-0735, 73.011-M-0736, 73.011-M-0737, 73.011-M-0738.
Neoromicia rendalli (Thomas, 1889):
RMCA: 73.011-M-0366.
Neoromicia somalica (Thomas, 1901):
RMCA: 73.011-M-0367.

Nycteris gambiensis (K. Andersen, 1912):
RMCA: 73.011-M-0143, 73.011-M-0144, 73.011-M-0145, 73.011-M-0146.
Nycteris hispida (Schreber, 1774):
RMCA: 73.011-M-0147, 73.011-M-0148.
Nycteris macrotis Dobson, 1876:
RMCA: 73.011-M-0149, 73.011-M-0150, 73.011-M-0151, 73.011-M-0152, 73.011-M-0153, 73.011-M-0154, 73.011-M-0155, 73.011-M-0156.
Rhinolophus landeri Martin, 1838:
RMCA: 73.011-M-0398, 73.011-M-0399, 73.011-M-0400, 73.011-M-0401, 73.011-M-0402, 73.011-M-0403, 73.011-M-0404, 73.011-M-0405, 73.011-M-0406, 73.011-M-0407, 73.011-M-0408, 73.011-M-0409, 73.011-M-0410, 73.011-M-0411, 73.011-M-0412, 73.011-M-0413, 73.011-M-0414, 73.011-M-0415, 73.011-M-0416, 73.011-M-0417, 73.011-M-0418, 73.011-M-0419.
Scotophilus leucogaster (Cretzschmar, 1826):
RMCA: 73.011-M-0006, 73.011-M-0007, 73.011-M-0008, 73.011-M-0158

NE 10000Ba:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.009-M-0270, 73.009-M-0271, 73.009-M-0307, 73.009-M-0308.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.009-M-0312, 73.009-M-0313, 73.009-M-0314, 73.009-M-0315, 73.009-M-0316, 73.009-M-0317.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.009-M-0406, 73.009-M-0407, 73.009-M-0408, 73.009-M-0409, 73.009-M-0410.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.009-M-0419, 73.009-M-0420, 73.009-M-0421.
Nycteris hispida (Schreber, 1774):
RMCA: 73.009-M-0119.
Nycteris macrotis Dobson, 1876:
RMCA: 73.009-M-0118.
Nycticeinops schlieffenii (Peters, 1859):
RMCA: 73.009-M-0422

NE 10000Bc:

Nycteris gambiensis (K. Andersen, 1912):
RMCA: 73.009-M-0120

NE 10000Dc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.013-M-0605, 73.013-M-0606, 73.013-M-0607, 73.013-M-0608, 73.013-M-0609, 73.013-M-0610, 73.013-M-0611, 73.013-M-0612, 73.013-M-0613, 73.013-M-0614, 73.013-M-0615, 73.013-M-0616, 73.013-M-0617, 73.013-M-0618, 73.013-M-0619, 73.013-M-0620, 73.013-M-0621, 73.013-M-0622, 73.013-M-0623, 73.013-M-0624, 73.013-M-0625, 73.013-M-0626, 73.013-M-0627, 73.013-M-0628, 73.013-M-0629, 73.013-M-0630, 73.013-M-0631, 73.013-M-0724, 73.013-M-0725, 73.013-M-0726, 73.013-M-0727, 73.013-M-0852, 73.013-M-0853, 73.013-M-0854, 73.013-M-0855, 73.013-M-0856, 73.013-M-0857, 73.013-M-0858, 73.013-M-0859, 73.013-M-0860, 73.013-M-0861, 73.013-M-0862, 73.013-M-0863, 73.013-M-0864, 73.013-M-0865, 73.013-M-0866, 73.013-M-0867, 73.013-M-0868, 73.013-M-0869, 73.013-M-0870, 73.013-M-0871, 73.013-M-0872, 73.013-M-0873, 73.013-M-0874, 73.013-M-0875, 73.013-M-0876, 73.013-M-0877, 73.013-M-0878, 73.013-M-0879, 73.013-M-0880.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.013-M-0730, 73.013-M-0731, 73.013-M-0732, 73.013-M-0733, 73.013-M-0734, 73.013-M-0735, 73.013-M-0736, 73.013-M-0737, 73.013-M-0738, 73.013-M-0739, 73.013-M-0740, 73.013-M-0741, 73.013-M-0742, 73.013-M-0743, 73.013-M-0744, 73.013-M-0745, 73.013-M-0746, 73.013-M-0747, 73.013-M-0748, 73.013-M-0749, 73.013-M-0750, 73.013-M-0751, 73.013-M-0752, 73.013-M-0753, 73.013-M-0754, 73.013-M-0755, 73.013-M-0756, 73.013-M-0757, 73.013-M-0758, 73.013-M-0759, 73.013-M-0760, 73.013-M-0761, 73.013-M-0762, 73.013-M-0763, 73.013-M-0764, 73.013-M-0765, 73.013-M-0766, 73.013-M-0771.
Glauconycteris variegata (Tomes, 1861):
RMCA: 73.013-M-0900, 73.013-M-0990.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.013-M-0581.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.013-M-0654, 73.013-M-0655, 73.013-M-0656.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.013-M-0837, 73.013-M-0838, 73.013-M-0839, 73.013-M-0840, 73.013-M-0841, 73.013-M-0842, 73.013-M-0843.
Myotis bocagii (Peters, 1870):
RMCA: 73.013-M-0243.
Neoromicia nana (Peters, 1852):
RMCA: 73.013-M-0242.
Neoromicia rendalli (Thomas, 1889):
RMCA: 73.013-M-0241.
Nycteris hispida (Schreber, 1774):
RMCA: 73.013-M-0232, 73.013-M-0233.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 73.013-M-0080.
Scotophilus leucogaster (Cretzschmar, 1826):
RMCA: 73.013-M-0084, 73.013-M-0085.

Scotophilus nigrita (Schreber, 1774):
RMCA: 36027

NE 10001Ad:

Hipposideros ruber (Noack, 1893):
NMP: 91879

NE 10001Bc:

Epomophorus gambianus (Ogilby, 1835):
USNM: 438844, 438845, 438846, 438847, 438848, 438849, 438850, 438851, 438852, 438853

NE 10002Ba:

Epomophorus gambianus (Ogilby, 1835):
USNM: 421183, 421184, 421185, 421186, 421187, 421188, 421189, 421190, 421191, 421192, 421193, 421194, 421195, 421196, 421197, 421198, 421199, 421200, 421201, 478536, 478537.
Hypsugo savii (Bonaparte, 1837):
USNM: 421392.
Micropteropus pusillus (Peters, 1868):
USNM: 421255, 421256, 421257, 421258, 421259, 421260.
Neoromicia nana (Peters, 1852):
USNM: 421390, 421394, 421395, 421397.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 421319, 421320, 421321, 421322, 421323, 421324, 421325, 421326, 421327, 421328, 421329, 421330, 421331, 421332, 421333, 421334, 421335, 421336, 421337, 478787, 478789, 478790, 478791, 478792, 478793, 478794.
Nycteris macrotis Dobson, 1876:
USNM: 421304, 421305, 421306.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 421399, 421400.
Pipistrellus inexspectatus Aellen, 1959:
USNM: 421391.
Pipistrellus nanulus Thomas, 1904:
USNM: 421398, 421401.
Rhinolophus darlingi K. Andersen, 1905:
USNM: 421372.
Scotoecus albofuscus (Thomas, 1890):
USNM: 421402.
Scotoecus hirundo (de Winton, 1899):
USNM: 420010, 420011, 420012, 420013, 420014, 421403, 421404, 421405, 421406, 421407, 421408, 421409, 421410, 421412, 421413, 421414, 421415, 421416.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 421417, 421418, 421419, 421420, 421421, 421422, 421423, 421424, 421425, 421426.
Scotophilus viridis (Peters, 1852):
USNM: 421461, 421462, 421463, 421464, 421465, 421466, 421467, 421468, 421469, 421470, 421471, 421472, 421473, 421474, 421475, 421476, 421477

NE 10003Dc:

Chaerephon nigeriae nigeriae Thomas, 1913:
USNM: 421517.
Chaerephon pumilus (Cretzschmar, 1826):
USNM: 421535, 421536, 421537.
Epomophorus gambianus (Ogilby, 1835):
USNM: 421232, 421233, 421234, 421235, 421236.
Glauconycteris variegata (Tomes, 1861):
USNM: 421480, 421481.
Micropteropus pusillus (Peters, 1868):
USNM: 421262, 421263.
Neoromicia guineensis (Bocage, 1889):
USNM: 421384, 479495.
Neoromicia nana (Peters, 1852):
USNM: 421387, 479467, 479468, 479469.
Neoromicia somalica (Thomas, 1901):
USNM: 421386.
Nycteris hispida (Schreber, 1774):
USNM: 421311, 421312.
Pipistrellus inexspectatus Aellen, 1959:
USNM: 421393.
Scotophilus dinganii (A. Smith, 1833):
USNM: 479523, 479524, 479525, 479526.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 421444, 421445, 421446, 421447, 421448, 421449, 421450, 421451, 421452, 421453, 421454, 421455, 421456, 575724

NE 10004Ac:

Pipistrellus rusticus (Tomes, 1861):
BMNH: 1979.1731

NE 10004Ad:

Hipposideros Gray, 1831:
USNM: 381319, 381320, 410569, 410570, 410571, 410572, 410573, 410574, 410575, 410576, 410577, 410578, 410579, 410580, 410581, 410582, 410583, 410584, 410585, 410586, 410587, 410588, 410589, 410590, 410591, 410592, 410593, 410594, 410595, 410596, 410597, 410598, 410599, 410600, 410601, 410602, 410603, 410604, 410605, 410606, 410607, 410608, 410609, 410610, 410611, 410612, 410613, 410614, 410615, 410616, 410617, 410618, 410619, 410620, 410621, 410622, 410623, 410624, 410625, 410626, 410627, 410628, 410629, 410630, 410631, 410632, 410633, 410634, 410635, 410636, 410637, 410638, 410639, 410640, 410641, 410642, 410643, 410644, 410645, 410646, 410647, 410648, 410649, 410650, 410651, 410652, 410653, 410654, 410655, 410656, 410657, 410658, 410659, 410660, 410661, 410662, 410663, 410664, 410665.
Hipposideros ruber (Noack, 1893):
FMNH: 104521, 104522, 104523, 104524, 104525, 104526, 104527, 104528, 104529, 104530, 104531, 104532. - **USNM:** 379516, 379517, 379518, 379519, 379520, 379521, 379522, 379523, 379524, 379525.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 379556, 379557, 379558, 379559, 379560, 379561, 379562, 379563, 379564, 379565, 379566, 379567, 379568, 379569, 379570, 379571, 379572, 379573, 379574, 379575, 379576, 379577, 379578, 379579, 379580, 381278, 381279, 381280, 381281, 381282, 381283, 381284, 381285, 381286, 381287, 381288, 381289, 381290, 381291, 381292, 381293, 381294, 381295, 381296, 381297, 381298, 381299, 381300, 381301, 381302, 381303, 381304, 381305, 381306, 381307, 381308, 381309, 381310, 381311, 381312, 381313, 381314, 381315, 381316, 381317, 381318.
Rhinolophus landeri Martin, 1838:
USNM: 379507, 379508, 379509, 379510, 379511, 379512, 379513, 379514, 379515, 410666, 410667, 410668, 410669, 410670, 410671, 410672, 410673, 410674, 410675, 410676, 410677, 410678, 410679, 410680, 410681, 410682, 410683, 410684, 410685, 410686, 410687, 410688, 410689, 410690, 410691, 410692, 410693, 410694, 410695, 410696, 410697, 410698, 410699, 410700, 410701, 410702, 410703, 410704, 410705, 410706, 410707, 410708, 410709, 410710, 410711, 410712, 410713, 410714, 410715, 410716, 410717, 410718, 410719, 410720, 410721, 410722. - **ZMA:** MAM.18379

NE 10006Cd:

Hipposideros ruber (Noack, 1893):
ROM: 86289.
Pipistrellus inexspectatus Aellen, 1959:
ROM: 86291.
Pipistrellus nanulus Thomas, 1904:
ROM: 86290.
Scotoecus hindei Thomas, 1901:
ROM: 86292

NE 10007Cb:

Epomophorus gambianus (Ogilby, 1835):
WAM: M16567.
Micropteropus pusillus (Peters, 1868):
WAM: M21213.
Nycteris gambiensis (K. Andersen, 1912):
BMNH: 1975.2431.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1975.2620

NE 10010Cd:

Macronycteris gigas (Wagner, 1845):
ZMA: MAM.18342.
Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.14343

NE 10013Da:

Chaerephon ansorgei (Thomas, 1913):
RMCA: 73.015-M-0001, 73.015-M-0002, 73.015-M-0003, 73.015-M-0004, 73.015-M-0005, 73.015-M-0006, 73.015-M-0007, 73.015-M-0008, 73.015-M-0009, 73.015-M-0010, 73.015-M-0011, 73.015-M-0012.
Chaerephon major (Trouessart, 1897):
RMCA: 73.015-M-0289, 73.015-M-0736, 73.015-M-0737, 73.015-M-0738.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.015-M-0822, 73.015-M-0823, 73.015-M-0824, 73.015-M-0825, 73.015-M-0826.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.015-M-0567, 73.015-M-0568, 73.015-M-0569, 73.015-M-0570, 73.015-M-0571, 73.015-M-0572, 73.015-M-0573, 73.015-M-0574, 73.015-M-0575, 73.015-M-0576, 73.015-M-0577, 73.015-M-0578, 73.015-M-0579.

Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 73.015-M-0625, 73.015-M-0626.
Neoromicia somalica (Thomas, 1901):
RMCA: 73.015-M-0669.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.015-M-0246, 73.015-M-0247, 73.015-M-0248, 73.015-M-0249, 73.015-M-0250, 73.015-M-0251, 73.015-M-0252, 73.015-M-0253, 73.015-M-0254, 73.015-M-0255.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 73.015-M-0697, 73.015-M-0698, 73.015-M-0699.
Scotoecus hindei Thomas, 1901:
RMCA: 73.015-M-0620, 73.015-M-0621.
Scotophilus viridis (Peters, 1852):
RMCA: 73.015-M-0027, 73.015-M-0028, 73.015-M-0029, 73.015-M-0030, 73.015-M-0031, 73.015-M-0032, 73.015-M-0033, 73.015-M-0034, 73.015-M-0035, 73.015-M-0036, 73.015-M-0037, 73.015-M-0038, 73.015-M-0039, 73.015-M-0040, 73.015-M-0070.
Taphozous nudiventris Cretzschmar, 1830:
RMCA: 73.015-M-0627, 73.015-M-0628, 73.015-M-0629, 73.015-M-0630, 73.015-M-0631, 73.015-M-0632, 73.015-M-0633, 73.015-M-0634, 73.015-M-0635, 73.015-M-0636, 73.015-M-0637, 73.015-M-0728, 73.015-M-0729, 73.015-M-0730, 73.015-M-0731

NE 10013Db:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.015-M-0288, 73.015-M-0290, 73.015-M-0792, 73.015-M-0793, 73.015-M-0794, 73.015-M-0795, 73.015-M-0796, 73.015-M-0797, 73.015-M-0798, 73.015-M-0799, 73.015-M-0800, 73.015-M-0801, 73.015-M-0802, 73.015-M-0803, 73.015-M-0804, 73.015-M-0805, 73.015-M-0806, 73.015-M-0807, 73.015-M-0808, 73.015-M-0809, 73.015-M-0810, 73.015-M-0811, 73.015-M-0812, 73.015-M-0813, 73.015-M-0814, 73.015-M-0815, 73.015-M-0816, 73.015-M-0817, 73.015-M-0818, 73.015-M-0819, 73.015-M-0820, 73.015-M-0821.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.015-M-0564, 73.015-M-0565, 73.015-M-0566.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.015-M-0076.
Neoromicia rendalli (Thomas, 1889):
RMCA: 73.015-M-0582.
Scotophilus nigrita (Schreber, 1774):
LZUM: BFEM 072.
Scotophilus viridis (Peters, 1852):
RMCA: 73.015-M-0041

NE 10013Dd:

Eidolon helvum (Kerr, 1792):
RMCA: 75.003-M-0025, 75.003-M-0026, 75.003-M-0027, 75.003-M-0028, 75.003-M-0029, 75.003-M-0030, 75.003-M-0031, 75.003-M-0032, 75.003-M-0033.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 75.003-M-0034, 75.003-M-0038, 75.003-M-0039, 75.003-M-0040, 75.003-M-0041, 75.003-M-0042, 75.003-M-0043, 75.003-M-0044, 75.003-M-0045, 75.003-M-0046, 75.003-M-0047, 75.003-M-0048, 75.003-M-0049, 75.003-M-0050, 75.003-M-0051, 75.003-M-0052, 75.003-M-0053, 75.003-M-0054, 75.003-M-0055, 75.003-M-0056, 75.003-M-0057, 75.003-M-0058, 75.003-M-0059, 75.003-M-0060, 75.003-M-0061, 75.003-M-0062, 75.003-M-0063, 75.003-M-0064, 75.003-M-0065, 75.003-M-0066, 75.003-M-0067, 75.003-M-0068, 75.003-M-0069, 75.003-M-0070, 75.003-M-0071.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 75.003-M-0098, 75.003-M-0141.
Micropteropus pusillus (Peters, 1868):
RMCA: 75.003-M-0074, 75.003-M-0075, 75.003-M-0076, 75.003-M-0077, 75.003-M-0078, 75.003-M-0079, 75.003-M-0080.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 75.003-M-0140.
Scotophilus leucogaster (Cretzschmar, 1826):
RMCA: 75.003-M-0090, 75.003-M-0091, 75.003-M-0092, 75.003-M-0093, 75.003-M-0094, 75.003-M-0095, 75.003-M-0096, 75.003-M-0097, 75.003-M-0138, 75.003-M-0139

NE 10014Cb:

Chaerephon chapini J.A. Allen, 1917:
LZUM: BFEM 113.
Chaerephon leucogaster (A. Grandidier, 1869):
LZUM: BFEM 042.
Chaerephon major (Trouessart, 1897):
LZUM: BFEM 123.
Chaerephon pumilus (Cretzschmar, 1826):
LZUM: BFEM 097.
Eidolon helvum (Kerr, 1792):
LZUM: BFEM 112.
Epomophorus gambianus (Ogilby, 1835):
LZUM: BFEM 023, BFEM 141. - **SMF:** 6287.

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
SMF: 6288.
Micropteropus pusillus (Peters, 1868):
LZUM: BFEM 095.
Mops (Mops) condylurus (A. Smith, 1833):
LZUM: BFEM 026.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
LZUM: BFEM 111.
Scotophilus dinganii (A. Smith, 1833):
LZUM: BFEM 030.
Scotophilus leucogaster (Cretzschmar, 1826):
LZUM: BFEM 099

NE 10015Ac:

Chaerephon major (Trouessart, 1897):
RMCA: 73.016-M-0552.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.015-M-0767, 73.015-M-0768, 73.015-M-0769, 73.015-M-0770, 73.015-M-0771, 73.015-M-0772, 73.015-M-0773, 73.015-M-0774, 73.015-M-0775, 73.015-M-0776, 73.015-M-0777, 73.015-M-0778, 73.015-M-0779, 73.015-M-0780, 73.015-M-0781, 73.015-M-0782, 73.015-M-0783, 73.015-M-0784, 73.015-M-0785, 73.015-M-0786, 73.015-M-0787, 73.015-M-0788, 73.015-M-0789, 73.015-M-0790, 73.015-M-0791, 73.016-M-0593, 73.016-M-0594, 73.016-M-0595, 73.016-M-0596, 73.016-M-0597, 73.017-M-0639, 73.017-M-0640, 73.017-M-0641, 73.017-M-0642, 73.017-M-0643, 73.017-M-0644, 73.017-M-0645, 73.017-M-0646, 73.017-M-0647, 73.017-M-0648, 73.017-M-0649, 73.017-M-0650.
Eidolon helvum (Kerr, 1792):
RMCA: 73.015-M-0700, 73.015-M-0701, 73.015-M-0702, 73.015-M-0703, 73.015-M-0704, 73.015-M-0705, 73.015-M-0706, 73.015-M-0707, 73.015-M-0708, 73.015-M-0709, 73.015-M-0710, 73.015-M-0711, 73.015-M-0712, 73.015-M-0713, 73.015-M-0714, 73.015-M-0715, 73.015-M-0716, 73.015-M-0717, 73.015-M-0718, 73.015-M-0719, 73.015-M-0720, 73.015-M-0721, 73.015-M-0722, 73.015-M-0723, 73.015-M-0724, 73.015-M-0725, 73.016-M-0100, 73.016-M-0101, 73.016-M-0102, 73.016-M-0103, 73.016-M-0104, 73.016-M-0105, 73.016-M-0106, 73.016-M-0107, 73.016-M-0108, 73.016-M-0291, 73.016-M-0292, 73.016-M-0293, 73.016-M-0412, 73.016-M-0413, 73.017-M-0360, 73.017-M-0361, 73.017-M-0362, 73.017-M-0364, 73.017-M-0365, 73.017-M-0366, 73.017-M-0367, 73.017-M-0369, 73.017-M-0370.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.015-M-0083, 73.015-M-0084, 73.015-M-0086, 73.015-M-0087, 73.015-M-0088, 73.015-M-0089, 73.015-M-0090, 73.015-M-0091, 73.015-M-0092, 73.015-M-0544, 73.015-M-0545, 73.015-M-0546, 73.015-M-0547, 73.015-M-0548, 73.015-M-0549, 73.015-M-0550, 73.015-M-0551, 73.015-M-0552, 73.015-M-0553, 73.015-M-0554, 73.015-M-0555, 73.015-M-0556, 73.015-M-0557, 73.015-M-0558, 73.015-M-0559, 73.015-M-0560, 73.015-M-0561, 73.015-M-0562, 73.015-M-0563, 73.015-M-0580, 73.015-M-0581, 73.016-M-0111, 73.016-M-0112, 73.016-M-0113, 73.016-M-0114, 73.016-M-0115, 73.016-M-0116, 73.016-M-0117, 73.016-M-0118, 73.016-M-0119, 73.016-M-0120, 73.016-M-0121, 73.016-M-0296, 73.016-M-0297, 73.016-M-0298, 73.016-M-0299, 73.016-M-0300, 73.016-M-0301, 73.016-M-0302, 73.016-M-0387, 73.016-M-0388, 73.017-M-0153, 73.017-M-0154, 73.017-M-0155, 73.017-M-0156, 73.017-M-0157, 73.017-M-0158, 73.017-M-0159, 73.017-M-0160, 73.017-M-0161, 73.017-M-0162, 73.017-M-0163, 73.017-M-0164, 73.017-M-0165, 73.017-M-0166, 73.017-M-0167, 73.017-M-0168, 73.017-M-0169, 73.017-M-0170, 73.017-M-0171, 73.017-M-0172, 73.017-M-0173, 73.017-M-0174, 73.017-M-0175, 73.017-M-0176, 73.017-M-0177, 73.017-M-0178, 73.017-M-0179, 73.017-M-0180, 73.017-M-0181, 73.017-M-0182, 73.017-M-0183, 73.017-M-0184, 73.017-M-0185, 73.017-M-0186, 73.017-M-0187.
Epomops franqueti (Tomes, 1860):
ROM: 56224, 56229, 56230.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.015-M-0679, 73.015-M-0680, 73.015-M-0681, 73.015-M-0682, 73.015-M-0683, 73.015-M-0684, 73.015-M-0685, 73.015-M-0686, 73.015-M-0687, 73.015-M-0688, 73.015-M-0689, 73.015-M-0690, 73.015-M-0691, 73.015-M-0692, 73.015-M-0693, 73.015-M-0694, 73.015-M-0695, 73.015-M-0696, 73.016-M-0416, 73.016-M-0417, 73.016-M-0418, 73.017-M-0315, 73.017-M-0316, 73.017-M-0317, 73.017-M-0318, 73.017-M-0319.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.015-M-0071, 73.015-M-0072, 73.015-M-0073, 73.015-M-0074, 73.015-M-0075, 73.016-M-0055, 73.016-M-0056, 73.016-M-0057, 73.016-M-0356, 73.017-M-0718.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.015-M-0624, 73.015-M-0837, 73.015-M-0838, 73.015-M-0839, 73.015-M-0840, 73.015-M-0841, 73.015-M-0842, 73.015-M-0843, 73.015-M-0844, 73.015-M-0845, 73.015-M-0846, 73.015-M-0847, 73.015-M-0848, 73.015-M-0849, 73.015-M-0850, 73.015-M-0851, 73.015-M-0852, 73.015-M-0853, 73.015-M-0854, 73.015-M-0855, 73.015-M-0856, 73.015-M-0857, 73.015-M-0858, 73.015-M-0859, 73.015-M-0860, 73.015-M-0861, 73.015-M-0862, 73.015-M-0863, 73.015-M-0864, 73.015-M-0865, 73.015-M-0866, 73.015-M-0867, 73.015-M-0868, 73.015-M-0869, 73.015-M-0870, 73.015-M-0871, 73.015-M-0872, 73.015-M-0873, 73.015-M-0874, 73.015-M-0875, 73.015-M-0876, 73.015-M-0877, 73.015-M-0878, 73.015-M-0879, 73.015-M-0880, 73.015-M-0881, 73.015-M-0882, 73.015-M-0883, 73.015-M-0884, 73.015-M-0885, 73.015-M-0886, 73.015-M-0887, 73.015-M-0888, 73.015-M-0889, 73.015-M-0890, 73.015-M-0891, 73.015-M-0892, 73.015-M-0893, 73.015-M-0894, 73.016-M-0598, 73.016-M-0599, 73.017-M-0662, 73.017-M-0663, 73.017-M-0664, 73.017-M-0665, 73.017-M-0666, 73.017-M-0667, 73.017-M-0668, 73.017-M-0669, 73.017-M-0670, 73.017-M-0671, 73.017-M-0672, 73.017-M-0673, 73.017-M-0674, 73.017-M-0675, 73.017-M-0676, 73.017-M-0677, 73.017-M-0678, 73.017-M-0679, 73.017-M-0680, 73.017-M-0681, 73.017-M-0682, 73.017-M-0683, 73.017-M-0684, 73.017-M-0685, 73.017-M-0686, 73.017-M-0687, 73.017-M-0688, 73.017-M-0689, 73.017-M-0690, 73.017-M-0691, 73.017-M-0692, 73.017-M-0693, 73.017-M-0694.
Neoromicia guineensis (Bocage, 1889):
RMCA: 73.015-M-0287, 73.017-M-0234.
Neoromicia nana (Peters, 1852):
RMCA: 73.015-M-0592.
Neoromicia rendalli (Thomas, 1889):
RMCA: 73.016-M-0303, 73.017-M-0371.

Nycteris hispida (Schreber, 1774):
RMCA: 73.015-M-0241, 73.016-M-0163, 73.017-M-0078, 73.017-M-0079, 73.017-M-0080, 73.017-M-0081, 73.017-M-0082, 73.017-M-0083, 73.017-M-0084, 73.017-M-0085, 73.017-M-0086, 73.017-M-0087, 73.017-M-0088, 73.017-M-0089, 73.017-M-0090, 73.017-M-0091, 73.017-M-0092, 73.017-M-0093, 73.017-M-0094, 73.017-M-0095, 73.017-M-0096, 73.017-M-0097, 73.017-M-0098, 73.017-M-0099, 73.017-M-0100, 73.017-M-0101, 73.017-M-0102, 73.017-M-0103, 73.017-M-0104.
Nycteris macrotis Dobson, 1876:
RMCA: 73.015-M-0243, 73.015-M-0244, 73.015-M-0245, 73.017-M-0105, 73.017-M-0106, 73.017-M-0107.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.015-M-0242, 73.016-M-0162.
Nycticeinops schlieffenii (Peters, 1859):
RMCA: 73.015-M-0286.
Pipistrellus rusticus (Tomes, 1861):
RMCA: 73.015-M-0614, 73.015-M-0615, 73.015-M-0616.
Scotoecus hindei Thomas, 1901:
RMCA: 73.015-M-0618, 73.015-M-0619, 73.017-M-0256.
Scotoecus hirundo (de Winton, 1899):
RMCA: 73.015-M-0622, 73.015-M-0623, 73.017-M-0254, 73.017-M-0257.
Scotophilus leucogaster (Cretzschmar, 1826):
RMCA: 73.015-M-0017, 73.015-M-0018, 73.015-M-0019, 73.015-M-0020, 73.015-M-0021, 73.015-M-0022, 73.015-M-0023, 73.015-M-0024, 73.015-M-0025, 73.015-M-0026, 73.016-M-0016, 73.016-M-0017, 73.016-M-0018, 73.016-M-0019, 73.016-M-0020, 73.016-M-0021, 73.016-M-0022, 73.016-M-0023, 73.016-M-0024, 73.016-M-0025, 73.016-M-0026, 73.016-M-0027, 73.016-M-0028, 73.016-M-0130, 73.016-M-0131, 73.016-M-0132, 73.016-M-0133, 73.016-M-0134, 73.016-M-0135, 73.016-M-0136, 73.016-M-0137, 73.016-M-0138, 73.016-M-0139, 73.016-M-0146, 73.016-M-0147, 73.016-M-0148, 73.016-M-0149, 73.016-M-0150, 73.017-M-0009, 73.017-M-0010, 73.017-M-0011, 73.017-M-0012, 73.017-M-0013, 73.017-M-0014, 73.017-M-0015, 73.017-M-0016, 73.017-M-0017, 73.017-M-0018, 73.017-M-0019, 73.017-M-0020, 73.017-M-0035, 73.017-M-0036, 73.017-M-0037, 73.017-M-0038, 73.017-M-0039, 73.017-M-0040, 73.017-M-0041, 73.017-M-0042, 73.017-M-0043, 73.017-M-0070.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.016-M-0317, 73.016-M-0318, 73.016-M-0319, 73.016-M-0320, 73.016-M-0321, 73.016-M-0322, 73.016-M-0323, 73.016-M-0324, 73.016-M-0325, 73.016-M-0326, 73.016-M-0327, 73.016-M-0328, 73.016-M-0329, 73.016-M-0330, 73.017-M-0277, 73.017-M-0278, 73.017-M-0279, 73.017-M-0280, 73.017-M-0281, 73.017-M-0282, 73.017-M-0283, 73.017-M-0372, 73.017-M-0373.
Taphozous nudiventris Cretzschmar, 1830:
RMCA: 73.016-M-0508

NE 10015Ca:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.015-M-0085.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.015-M-0836.
Nycteris hispida (Schreber, 1774):
RMCA: 73.015-M-0095, 73.015-M-0096, 73.015-M-0097, 73.015-M-0098, 73.015-M-0099, 73.015-M-0100, 73.015-M-0101, 73.015-M-0102, 73.015-M-0103, 73.015-M-0104, 73.015-M-0105, 73.015-M-0106, 73.015-M-0107, 73.015-M-0108, 73.015-M-0109, 73.015-M-0110, 73.015-M-0111, 73.015-M-0112, 73.015-M-0113, 73.015-M-0114, 73.015-M-0115, 73.015-M-0116, 73.015-M-0117, 73.015-M-0118, 73.015-M-0119, 73.015-M-0120, 73.015-M-0121, 73.015-M-0122, 73.015-M-0123, 73.015-M-0124, 73.015-M-0125, 73.015-M-0126, 73.015-M-0127, 73.015-M-0128, 73.015-M-0129, 73.015-M-0130, 73.015-M-0131, 73.015-M-0132, 73.015-M-0133, 73.015-M-0134, 73.015-M-0135, 73.015-M-0136, 73.015-M-0137, 73.015-M-0138, 73.015-M-0139, 73.015-M-0140, 73.015-M-0141, 73.015-M-0142, 73.015-M-0143, 73.015-M-0144, 73.015-M-0145, 73.015-M-0146, 73.015-M-0147, 73.015-M-0148, 73.015-M-0149, 73.015-M-0150, 73.015-M-0151, 73.015-M-0152, 73.015-M-0153, 73.015-M-0154, 73.015-M-0155, 73.015-M-0156, 73.015-M-0157, 73.015-M-0158, 73.015-M-0159, 73.015-M-0160, 73.015-M-0161, 73.015-M-0162, 73.015-M-0163, 73.015-M-0164, 73.015-M-0165, 73.015-M-0166, 73.015-M-0167, 73.015-M-0168, 73.015-M-0169, 73.015-M-0170, 73.015-M-0171, 73.015-M-0172, 73.015-M-0173, 73.015-M-0174, 73.015-M-0175, 73.015-M-0176, 73.015-M-0177, 73.015-M-0178, 73.015-M-0179, 73.015-M-0180, 73.015-M-0181, 73.015-M-0182, 73.015-M-0183, 73.015-M-0184, 73.015-M-0185, 73.015-M-0186, 73.015-M-0187, 73.015-M-0188, 73.015-M-0189, 73.015-M-0190, 73.015-M-0191, 73.015-M-0192, 73.015-M-0193, 73.015-M-0194, 73.015-M-0195, 73.015-M-0196, 73.015-M-0197, 73.015-M-0198, 73.015-M-0199, 73.015-M-0200, 73.015-M-0201, 73.015-M-0202, 73.015-M-0203, 73.015-M-0204, 73.015-M-0205, 73.015-M-0206, 73.015-M-0207, 73.015-M-0208, 73.015-M-0209, 73.015-M-0210, 73.015-M-0211, 73.015-M-0212, 73.015-M-0213, 73.015-M-0214, 73.015-M-0215, 73.015-M-0216, 73.015-M-0217, 73.015-M-0218, 73.015-M-0219, 73.015-M-0220, 73.015-M-0221, 73.015-M-0222, 73.015-M-0223, 73.015-M-0224, 73.015-M-0225, 73.015-M-0226, 73.015-M-0227, 73.015-M-0228, 73.015-M-0229, 73.015-M-0230, 73.015-M-0231, 73.015-M-0232, 73.015-M-0233, 73.015-M-0234, 73.015-M-0235, 73.015-M-0236, 73.015-M-0237, 73.015-M-0238, 73.015-M-0239, 73.015-M-0240

NE 10022Bd:

Nycteris hispida (Schreber, 1774):
AMNH: 150172, 150173

NE 10029Db:

Eidolon helvum (Kerr, 1792):
SMF: 32791, 32797, 32807, 32808, 32809, 32810, 32811.
Epomophorus labiatus (Temminck, 1837):
SMF: 33038, 33039, 33040, 33041, 33042, 33043, 33044, 33045, 33046, 33047, 33048, 33049, 33050, 33051, 33052, 33053, 33055, 33056, 33057, 33156, 33157.

Nycteris hispida (Schreber, 1774):
SMF: 32658, 32659, 32660, 32661, 32662, 32663, 32664, 32665, 32666, 32667, 32670, 32680, 32681, 32682, 32683, 32684, 32685, 32686, 32687, 32688, 32689, 32690, 32691, 32692, 32693, 32694.
Rhinolophus landeri Martin, 1838:
SMF: 33022, 33023, 33024, 33025, 33026, 33027, 33028, 33029, 33030, 33031, 33032, 33033, 33034, 33035, 33036, 33037.
Rhinopoma microphyllum (Brünnich, 1782):
ROM: 62623, 62624.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
SMF: 32784.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 62616, 62619, 62621, 62625, 62633

NE 10030Ca:

Coleura afra (Peters, 1852):
SMF: 32952, 32954, 32956, 32958, 32959.
Eidolon helvum (Kerr, 1792):
SMF: 32815.
Hipposideros tephrus (Cabrera, 1906):
SMF: 32695, 32696, 33001, 33002, 33003, 33004, 33005, 33006.
Micropteropus pusillus (Peters, 1868):
SMF: 33147, 33148, 33149, 33150, 33151, 33152, 33153.
Neoromicia guineensis (Bocage, 1889):
SMF: 33276.
Neoromicia nana (Peters, 1852):
SMF: 33278, 33279.
Neoromicia somalica (Thomas, 1901):
SMF: 33277.
Nycteris macrotis Dobson, 1876:
SMF: 32669.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 32668.
Nycticeinops schlieffenii (Peters, 1859):
SMF: 33135, 33136, 33137, 33138, 33139, 33140, 33141, 33146.
Pipistrellus rusticus (Tomes, 1861):
SMF: 33283.
Rhinopoma cystops Thomas, 1903:
SMF: 33192, 33193, 33194, 33195, 33211, 33212, 33213.
Scotophilus leucogaster (Cretzschmar, 1826):
SMF: 33173.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
SMF: 33102, 33103, 33104, 33105, 33106, 33107

NE 10030Cb:

Epomophorus labiatus (Temminck, 1837):
ROM: 77215

NE 10030Dd:

Scotophilus leucogaster (Cretzschmar, 1826):
SMF: 33183, 33184, 33185

NE 10031Bd:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 144064

NE 10032Ac:

Nycteris G. Cuvier and E. Geoffroy, 1795:
SAMA: M4469.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 99222

NE 10032Ca:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1901.8.8.3. - **USNM:** 252713, 252724, 252725, 252726.
Miniopterus natalensis (A. Smith, 1833):
USNM: 252716.
Nycteris hispida (Schreber, 1774):
BMNH: 1901.8.8.10, 1901.8.8.45, 1901.8.8.7, 1901.8.8.9

NE 10032Ab:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 99215, 99216, 99217, 99218, 99219

NE 10032Dc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 252727, 252728, 252729, 252730

NE 10036Ad:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1970.399

NE 10036Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1970.445, 1970.446, 1970.447, 1970.448, 1970.449, 1970.450, 1970.451, 1970.452.
Scotophilus viridis (Peters, 1852):
BMNH: 1970.490, 1970.491

NE 10037Ab:

Neoromicia somalica (Thomas, 1901):
BMNH: 1970.484, 1970.485

NE 10037Ad:

Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 28780

NE 10040Ac:

Nycteris macrotis Dobson, 1876:
BMNH: 1960.338

NE 10040Ba:

Cardioderma cor (Peters, 1872):
USNM: 497715, 497716, 497717, 497718, 497719, 497720, 497721.
Epomophorus Bennett, 1836:
USNM: 589147, 589148.
Epomophorus labiatus (Temminck, 1837):
USNM: 497491, 497530, 497533, 497534, 497538, 497539, 497540, 497541, 497544, 497549, 497577, 497580, 497581, 497582, 497584.
Epomophorus minimus Claessen & De Vree, 1991:
BMNH: 1971.2428. - **SMF:** 44232, 44233, 44234, 44235, 44236, 44237, 44238, 44239, 44240, 44241, 44242, 44243, 44244, 44245, 44246, 44247, 44248, 44250, 44251, 44252, 44253. - **SMNS:** 36073, 36074, 36075, 36076, 36077, 36078. - **USNM:** 497529, 497531, 497532, 497535, 497536, 497537, 497542, 497543, 497545, 497546, 497547, 497548, 497550, 497576, 497578, 497579, 497583, 497585, 497586, 497587.
Epomophorus minor Dobson, 1880:
BMNH: 1971.2427, 1971.2427_1, 1971.2427_2. - **ZMA:** MAM.17344.
Nycteris G. Cuvier and E. Geoffroy, 1795:
USNM: 589150.
Nycteris hispida (Schreber, 1774):
BMNH: 1972.4310.
Pipistrellus Kaup, 1829:
USNM: 589160

NE 10044Aa:

Epomophorus minor Dobson, 1880:
BMNH: 1972.4151_1, 1972.4151_2

NE 10045Ac:

Coleura afra (Peters, 1852):
BMNH: 1954.994

NW 09013Cb:

Eidolon helvum (Kerr, 1792):
HNHM: 98.50.1.

Hipposideros caffer (Sundevall, 1846):
HNHM: 66.170.1, 68.571.2, 69.78.1.
Hipposideros ruber (Noack, 1893):
HNHM: 88.122.1.
Myonycteris angolensis (Bocage, 1898):
HNHM: 98.48.3.
Neoromicia guineensis (Bocage, 1889):
HNHM: 68.570.1.
Neoromicia nana (Peters, 1852):
HNHM: 76.250.1.
Nycteris macrotis Dobson, 1876:
HNHM: 2000.34.1, 2000.34.2.
Pipistrellus nanulus Thomas, 1904:
HNHM: 76.249.1.
Scotophilus nigrita (Schreber, 1774):
HNHM: 68.572.1, 69.28.1, 88.117.1

NW 09013Da:

Eidolon helvum (Kerr, 1792):
HNHM: 98.48.1, 98.48.2.
Eidolon helvum helvum (Kerr, 1792):
MNHN: ZM-MO-1897-974.
Glauconycteris Dobson, 1875:
MNHN: ZM-MO-1896-28 A, ZM-MO-1896-28 B, ZM-MO-1896-28 C, ZM-MO-1896-29.
Hipposideros fuliginosus (Temminck, 1853):
MNHN: ZM-MO-1897-976, ZM-MO-1897-977, ZM-MO-1897-978, ZM-MO-1897-979, ZM-MO-1897-980.
Macronycteris gigas (Wagner, 1845):
MNHN: ZM-MO-1897-975.
Nycteris macrotis Dobson, 1876:
MNHN: ZM-MO-1896-27.
Rhinolophus maclaudi Pousargues, 1898:
MNHN: ZM-MO-1897-281

NW 09013Dc:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
EBD: MAM 22282, MAM 22283.
Scotonycteris occidentalis Hayman, 1947:
EBD: MAM 22281

NW 09012Ca:

Chaerephon bemmeleni (Jentink, 1879):
USNM: 547059.
Chaerephon nigeriae nigeriae Thomas, 1913:
USNM: 547043, 547044.
Chaerephon pumilus (Cretzschmar, 1826):
USNM: 547045, 547046, 547047, 547048, 547049, 547050, 547051, 547052, 547053, 547054, 547055, 547056, 547057, 547058.
Doryrhina cyclops (Temminck, 1853):
USNM: 547002, 547003, 547004.
Epomops franqueti (Tomes, 1860):
USNM: 546953, 546954, 546955, 546956, 546957.
Hipposideros caffer (Sundevall, 1846):
USNM: 546989.
Hipposideros ruber (Noack, 1893):
USNM: 547005.
Hipposideros tephrus (Cabrera, 1906):
USNM: 546988, 546990, 546991.
Hypsugo musciculus (Thomas, 1913):
USNM: 547020.
Micropteropus pusillus (Peters, 1868):
USNM: 546958, 546959, 546960, 546961, 546962, 546963.
Miniopterus inflatus Thomas, 1903:
USNM: 547033.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 547034, 547035, 547036, 547037, 547038, 547039, 547040, 547041, 547042.
Myotis bocagii cupreolus Thomas, 1904:
USNM: 547013, 547014, 547015.
Neoromicia brunnea (Thomas, 1880):
USNM: 547026, 547027.
Neoromicia nana (Peters, 1852):
USNM: 547021.

Neoromicia rendalli (Thomas, 1889):
USNM: 547024.
Neoromicia somalica (Thomas, 1901):
USNM: 547023.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 547025.
Nycteris grandis Peters, 1865:
USNM: 546964.
Nycteris hispida (Schreber, 1774):
USNM: 546965.
Pipistrellus nanulus Thomas, 1904:
USNM: 547016, 547017, 547018.
Rhinolophus alcyone Temminck, 1853:
USNM: 546967, 546968, 546969, 546970, 546971, 546972, 546974, 546975, 546976, 546977, 546978.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
USNM: 546950, 546951.
Scotoecus albofuscus (Thomas, 1890):
USNM: 547028.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 547030.
Scotophilus viridis (Peters, 1852):
USNM: 547031

NW 09012Cc:

Hipposideros caffer (Sundevall, 1846):
USNM: 546994, 546997, 546999, 547000, 547001, 547009, 547010.
Hipposideros fuliginosus (Temminck, 1853):
USNM: 547012.
Hipposideros ruber (Noack, 1893):
USNM: 547006, 547007, 547008, 547011.
Hipposideros tephrus (Cabrera, 1906):
USNM: 546992, 546993, 546995, 546996, 546998.
Nycteris arge Thomas, 1903:
USNM: 546966.
Rhinolophus alcyone Temminck, 1853:
USNM: 546979, 546980, 546981, 546982, 546983, 546984, 546985, 546986, 546987.
Scotoecus albofuscus (Thomas, 1890):
USNM: 547029

NW 09012Cd:

Epomophorus gambianus (Ogilby, 1835):
USNM: 546952.
Neoromicia somalica (Thomas, 1901):
USNM: 547022.
Pipistrellus nanulus Thomas, 1904:
USNM: 547019.
Rhinolophus alcyone Temminck, 1853:
USNM: 546973.
Scotophilus viridis (Peters, 1852):
USNM: 547032

NW 09012Dd:

Hipposideros ruber (Noack, 1893):
ZFMK: 1959.0183.
Rhinolophus guineensis Eisentraut, 1960:
SMNS: 6103

NW 09011Da:

Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1992-217

NW 09011Dc:

Nycteris hispida (Schreber, 1774):
BMNH: 1962.1773.
Nycteris macrotis Dobson, 1876:
BMNH: 1962.1774.
Pipistrellus nanulus Thomas, 1904:
BMNH: 1961.17, 1962.446.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BRTC: 20907.

Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1962.1802

NW 09011Bb:

Hipposideros ruber (Noack, 1893):
USNM: 462848.
Miniopterus inflatus Thomas, 1903:
USNM: 462856

NW 09011Bd:

Hipposideros abae J.A. Allen, 1917:
USNM: 462847.
Macronycteris gigas (Wagner, 1845):
USNM: 462846.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 462857.
Neoromicia somalica (Thomas, 1901):
USNM: 462850.
Pipistrellus inexspectatus Aellen, 1959:
USNM: 462852

NW 09008Bb:

Eidolon helvum (Kerr, 1792):
MNHN: ZM-2012-255, ZM-2012-256, ZM-2012-257, ZM-2012-258.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-2012-285, ZM-2012-286.
Epomops buettikoferi (Matschie, 1899):
MNHN: ZM-2012-287, ZM-2012-294, ZM-2012-295.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-2012-367.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-2012-394, ZM-2012-395, ZM-2012-411, ZM-2012-412, ZM-2012-413, ZM-2012-414, ZM-2012-415, ZM-2012-416, ZM-2012-417, ZM-2012-418, ZM-2012-419, ZM-2012-420, ZM-2012-421, ZM-2012-422, ZM-2012-423, ZM-2012-424, ZM-2012-425, ZM-2012-426, ZM-2012-427, ZM-2012-428, ZM-2012-429, ZM-2012-430, ZM-2012-431, ZM-2012-432, ZM-2012-433, ZM-2012-434, ZM-2012-435.
Miniopterus inflatus Thomas, 1903:
MNHN: ZM-2012-436, ZM-2012-437, ZM-2012-438, ZM-2012-439, ZM-2012-440, ZM-2012-441.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-2012-374, ZM-2012-375.
Myonycteris leptodon K. Andersen, 1908:
MNHN: ZM-2012-442, ZM-2012-443, ZM-2012-444, ZM-2012-445, ZM-2012-446, ZM-2012-447, ZM-2012-448, ZM-2012-449, ZM-2012-450, ZM-2012-451, ZM-2012-452, ZM-2012-453, ZM-2012-454, ZM-2012-455, ZM-2012-456, ZM-2012-457, ZM-2012-458, ZM-2012-459, ZM-2012-460, ZM-2012-476, ZM-2012-477, ZM-2012-478, ZM-2012-479, ZM-2012-480, ZM-2012-481.
Nanonycteris veldkampii (Jentink, 1888):
MNHN: ZM-2012-482, ZM-2012-483, ZM-2012-486, ZM-2012-487, ZM-2012-488, ZM-2012-489, ZM-2012-490, ZM-2012-491, ZM-2012-492, ZM-2012-493, ZM-2012-494, ZM-2012-495.
Rhinolophus fumigatus Rüppell, 1842:
MNHN: ZM-2012-496.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-2012-497, ZM-2012-498, ZM-2012-499, ZM-2012-506, ZM-2012-507, ZM-2012-535, ZM-2012-536, ZM-2012-537, ZM-2012-538, ZM-2012-539, ZM-2012-540, ZM-2012-541, ZM-2012-542, ZM-2012-543, ZM-2012-544

NW 09007Ac:

Nanonycteris veldkampii (Jentink, 1888):
FMNH: 58890

NW 09006Cb:

Macronycteris vittatus (Peters, 1852):
RMCA: 97.077-M-3242, 97.077-M-3243.
Myonycteris angolensis smithii (Thomas, 1908):
FMNH: 105287, 105340, 105341, 58907, 58908, 58910. - **USNM:** 465728, 465729, 465730, 465731, 465732, 465733, 465734. - **ZMA:** MAM.16534.
Myonycteris leptodon K. Andersen, 1908:
FMNH: 105284, 105342.
Nanonycteris veldkampii (Jentink, 1888):
FMNH: 105339.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 105285, 105286, 105288, 105289, 105290, 105291, 105292, 105293, 105338, 58904, 58905, 58906, 58909

NW 09006Db:

Epomophorus gambianus gambianus (Ogilby, 1835):
FMNH: 105321, 105322.
Hipposideros jonesi Hayman, 1947:
FMNH: 105192, 105193, 105194, 105195, 105196, 105330.
Hipposideros ruber (Noack, 1893):
FMNH: 105200.
Hipposideros tephrus (Cabrera, 1906):
FMNH: 105201.
Micropteropus pusillus (Peters, 1868):
FMNH: 105214, 105215, 105216, 105217, 105218, 105219, 105220, 105222, 105223, 105224, 105238, 105239, 105240, 105241, 105242, 105243, 105244, 105245, 105246, 105247, 105248, 105249, 105250, 105333.
Myonycteris angolensis smithii (Thomas, 1908):
FMNH: 105251, 105252, 105253.
Myonycteris leptodon K. Andersen, 1908:
FMNH: 105221.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 105197, 105198, 105199, 105327, 105328.
Scotophilus viridis (Peters, 1852):
FMNH: 105202, 105329

NW 09005Bc:

Eidolon helvum (Kerr, 1792):
FMNH: 105317.
Epomophorus gambianus (Ogilby, 1835):
LACM: 51301.
Epomophorus gambianus gambianus (Ogilby, 1835):
FMNH: 105318, 105319, 105320, 99031.
Micropteropus pusillus (Peters, 1868):
FMNH: 105225, 105226, 105227, 105228, 105229, 105230, 105271, 105272, 105273, 105274, 105275, 105276. - **LACM:** 51413.
Nycteris arge Thomas, 1903:
FMNH: 105205.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
LACM: 51306

NW 09005Dd:

Epomophorus gambianus gambianus (Ogilby, 1835):
FMNH: 105257, 105312, 105315, 105316, 105336, 105363, 105364, 105365, 105366, 105367, 105368, 58911.
Micropteropus pusillus (Peters, 1868):
FMNH: 105210, 105213, 105254, 105255, 105256, 105311, 105335, 105337.
Myonycteris angolensis smithii (Thomas, 1908):
FMNH: 105313.
Myonycteris leptodon K. Andersen, 1908:
FMNH: 105211, 105314.
Nanonycteris veldkampii (Jentink, 1888):
FMNH: 105212.
Neoromicia somalica (Thomas, 1901):
FMNH: 105207.
Rhinolophus denti Thomas, 1904:
FMNH: 105206.
Scotophilus viridis (Peters, 1852):
FMNH: 105208, 105209

NW 09004Ca:

Chaerephon leucogaster (A. Grandidier, 1869):
ROM: 84962, 84963, 84964, 84965, 86074, 86075, 86076, 86077, 86078, 86079, 86080.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 34901, 34902

NW 09004Ba:

Epomophorus gambianus (Ogilby, 1835):
USNM: 454435.
Nanonycteris veldkampii (Jentink, 1888):
USNM: 454434.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 454466, 454468, 454469, 454470, 454471, 454472, 454473, 454474, 454509, 454511, 454512, 454514, 454515, 454516, 454517, 478801, 478932.
Nycteris hispida (Schreber, 1774):
USNM: 454495, 454496, 454497, 454498, 454499, 454500, 454501, 454502, 454503, 454504, 454505

NW 09004Dc:

Neoromicia somalica (Thomas, 1901):
BMNH: 1984.1016

NW 09003Cd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 34867.
Neoromicia nana (Peters, 1852):
RMCA: 34864

NW 09003Bd:

Neoromicia somalica (Thomas, 1901):
LACM: 33755

NW 09002Ad:

Nycteris gambiensis (K. Andersen, 1912):
BMNH: 1968.1150.
Nycteris hispida (Schreber, 1774):
BMNH: 1968.1153, 1968.1154, 1968.1155

NW 09003Ac:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 34882, 34883, 34884, 34885, 34886, 34887, 34888, 34889, 34890, 34891, 34892, 34893, 34894, 34895, 34896, 34897, 34898, 34899, 34900. - **USNM:** 467835, 467837, 467841, 467842, 467844, 467845.
Micropteropus pusillus (Peters, 1868):
USNM: 467895.
Myonycteris angolensis smithii (Thomas, 1908):
USNM: 467711.
Nycteris hispida (Schreber, 1774):
USNM: 467922, 467923.
Nycteris macrotis Dobson, 1876:
USNM: 468032, 468033, 468034, 468035, 468036, 468037

NW 09001Ba:

Hipposideros caffer (Sundevall, 1846):
ROM: 49064, 49065, 49066, 49067, 49068, 49069, 49070, 49071, 49072, 49073, 49074, 49075.
Taphozous nudiventris Cretzschmar, 1830:
ROM: 49076

NW 09001Bb:

Nycteris gambiensis (K. Andersen, 1912):
USNM: 467926, 467928, 467929, 467931, 467932, 467933, 467934, 467935, 467936.
Nycteris hispida (Schreber, 1774):
BMNH: 1975.2774.
Nycteris macrotis Dobson, 1876:
AMNH: 237416. - **BMNH:** 1968.1158, 1968.1159, 1968.1160, 1968.1161, 1968.1162. - **USNM:** 467927.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 467930

NW 09001Bd:

Chaerephon chapini J.A. Allen, 1917:
ROM: 60207, 60210.
Epomophorus gambianus (Ogilby, 1835):
ROM: 60197, 60202, 60203, 60206, 60211.
Micropteropus pusillus (Peters, 1868):
ROM: 60198, 60199.
Neoromicia capensis (A. Smith, 1829):
ROM: 60205.
Nycteris gambiensis (K. Andersen, 1912):
BMNH: 1975.537.
Nycteris hispida (Schreber, 1774):
BMNH: 1968.1151.
Nycteris macrotis Dobson, 1876:
BMNH: 1968.1157.
Pipistrellus rusticus (Tomes, 1861):
ROM: 60208, 60209.

Scotophilus dinganii (A. Smith, 1833):
ROM: 60204.
Scotophilus viridis (Peters, 1852):
ROM: 60200, 60201

NW 09001Db:

Coleura afra (Peters, 1852):
AMNH: 237413, 237414.
Hipposideros abae J.A. Allen, 1917:
AMNH: 237421.
Hipposideros caffer (Sundevall, 1846):
AMNH: 237425.
Hipposideros ruber (Noack, 1893):
AMNH: 237422, 237423, 237424.
Nycteris gambiensis (K. Andersen, 1912):
AMNH: 237417, 237418. - **BMNH:** 1975.538.
Rhinolophus landeri Martin, 1838:
AMNH: 237419, 237420.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 237404

NW 09001Dd:

Epomophorus gambianus (Ogilby, 1835):
AMNH: 237405, 237406, 237407.
Glauconycteris variegata (Tomes, 1861):
BMNH: 1970.780.
Nanonycteris veldkampii (Jentink, 1888):
AMNH: 237408, 237409, 237410, 237411, 237412.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1975.561.
Nycteris hispida (Schreber, 1774):
BMNH: 1975.2878, 1975.2878_1, 1975.2878_2, 1975.2878_3, 1975.2879, 1975.2880, 1976.1470.
Nycteris macrotis Dobson, 1876:
AMNH: 237415. - **BMNH:** 1975.541, 1975.542.
Scotoecus hirundo (de Winton, 1899):
BMNH: 1976.771.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 237426.
Scotophilus nigrita (Schreber, 1774):
BMNH: 1976.773.
Scotophilus viridis (Peters, 1852):
AMNH: 237427, 237428

NW 09000Db:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1916.12.7.1. - **NMW:** 15951, 15952, 15953, 15954, 15955, 15956, 15957, 15958, 15965, 15966, 15967, 15968, 15969, 15970, 15972, 15973, 15974, 15978, 15979, 15980. - **USNM:** 424692, 424693, 424694, 424695, 424696, 424697. - **ZMA:** MAM.18129, MAM.18130, MAM.18131, MAM.18132, MAM.18133, MAM.18134, MAM.18135, MAM.18136, MAM.18137, MAM.18138.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 478782.
Nycteris hispida (Schreber, 1774):
USNM: 424845, 424846, 478988, 478989, 478990, 478991.
Nycteris macrotis Dobson, 1876:
USNM: 424843, 424844.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 479198, 479199, 479200, 479201, 479202.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1965.566.
Scotophilus viridis (Peters, 1852):
BMNH: 1965.565

NE 09000Dc:

Eidolon helvum (Kerr, 1792):
ZMB: 67151.
Epomophorus gambianus (Ogilby, 1835):
ZMB: 54423, 54427, 67087.
Epomops franqueti (Tomes, 1860):
ZMB: 67099

NE 09000Bb:

Eidolon helvum (Kerr, 1792):
RMCA: 73.009-M-0214, 73.009-M-0569, 73.009-M-0570.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.009-M-0272, 73.009-M-0273, 73.009-M-0274.
Hipposideros ruber (Noack, 1893):
RMCA: 73.009-M-0311.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.009-M-0411, 73.009-M-0412, 73.009-M-0413, 73.009-M-0414, 73.009-M-0415, 73.009-M-0416, 73.009-M-0502.
Nycteris gambiensis (K. Andersen, 1912):
RMCA: 73.009-M-0121

NE 09001Ac:

Chaerephon major (Trouessart, 1897):
RMCA: 73.011-M-0668, 73.011-M-0669, 73.011-M-0670, 73.011-M-0671, 73.011-M-0672, 73.011-M-0673, 73.013-M-0589, 73.013-M-0590, 73.013-M-0591, 73.013-M-0592, 73.013-M-0593, 73.013-M-0594, 73.013-M-0595, 73.013-M-0596, 73.013-M-0773, 73.013-M-0774, 73.013-M-0775, 73.013-M-0776, 73.013-M-0777, 73.013-M-0778, 73.013-M-0779, 73.013-M-0780, 73.013-M-0781, 73.013-M-0782, 73.013-M-0783, 73.013-M-0784, 73.013-M-0785, 73.013-M-0786, 73.013-M-0787, 73.013-M-0788, 73.013-M-0789, 73.013-M-0790, 73.013-M-0791, 73.013-M-0792, 73.013-M-0793, 73.013-M-0794, 73.013-M-0795, 73.013-M-0796, 73.013-M-0797, 73.013-M-0798, 73.013-M-0799, 73.013-M-0800, 73.013-M-0811, 73.013-M-0812, 73.013-M-0813, 73.013-M-0814, 73.013-M-0815, 73.013-M-0816, 73.013-M-0817, 73.013-M-0818, 73.013-M-0819, 73.013-M-0820, 73.013-M-0821, 73.013-M-0822, 73.013-M-0823, 73.013-M-0824, 73.013-M-0825, 73.013-M-0826, 73.013-M-0827, 73.013-M-0828, 73.013-M-0829, 73.013-M-0830, 73.013-M-0831, 73.013-M-0832, 73.013-M-0833, 73.013-M-0834. - **USNM:** 437830, 437831, 437832, 437833, 437834, 437835, 437836, 437837, 437838, 437839, 437840, 437841, 437842, 437843, 437844, 437845, 437846, 437847, 437848, 437849, 437850, 437851, 437852, 437853, 437854, 437855, 437856, 437857, 437858, 437859, 437860, 437861, 437862, 437863, 437864, 437865, 437866, 437867, 479833, 479866, 479910, 479911, 479912, 479913, 479914, 479919, 480081, 480082, 480083, 480084, 480085, 480159.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.009-M-0467, 73.009-M-0468, 73.009-M-0469, 73.009-M-0470, 73.009-M-0471, 73.009-M-0472, 73.009-M-0473, 73.009-M-0474, 73.009-M-0475, 73.009-M-0476, 73.009-M-0477, 73.009-M-0478, 73.009-M-0479, 73.009-M-0480, 73.009-M-0538, 73.009-M-0539, 73.009-M-0540, 73.009-M-0541, 73.009-M-0542, 73.009-M-0543, 73.009-M-0544, 73.009-M-0545, 73.009-M-0546, 73.009-M-0547, 73.009-M-0549, 73.009-M-0550, 73.009-M-0551, 73.009-M-0552, 73.009-M-0553, 73.009-M-0554, 73.009-M-0555, 73.009-M-0556, 73.009-M-0557, 73.009-M-0558, 73.009-M-0559, 73.011-M-0428, 73.011-M-0429, 73.011-M-0430, 73.011-M-0431, 73.011-M-0432, 73.011-M-0433, 73.011-M-0434, 73.011-M-0435, 73.011-M-0436, 73.011-M-0437, 73.011-M-0438, 73.011-M-0439, 73.011-M-0674, 73.011-M-0675, 73.011-M-0676, 73.011-M-0677, 73.011-M-0678, 73.011-M-0679, 73.011-M-0680, 73.011-M-0681, 73.011-M-0682, 73.011-M-0954, 73.011-M-0955, 73.011-M-0956, 73.011-M-0957, 73.011-M-0958, 73.011-M-0959, 73.011-M-0960, 73.011-M-0961, 73.011-M-0962, 73.011-M-0963, 73.011-M-0964, 73.011-M-0965, 73.011-M-0966, 73.011-M-0967, 73.011-M-0968, 73.011-M-0969, 73.011-M-0970, 73.011-M-0971, 73.011-M-0972, 73.011-M-0973, 73.011-M-0974, 73.011-M-0975, 73.011-M-0976, 73.011-M-0977, 73.011-M-0978, 73.011-M-0979, 73.011-M-0980, 73.011-M-0981, 73.011-M-1044, 73.011-M-1045, 73.011-M-1046, 73.011-M-1047, 73.011-M-1048, 73.011-M-1049, 73.011-M-1050, 73.011-M-1051, 73.011-M-1052, 73.011-M-1053, 73.011-M-1054, 73.011-M-1055, 73.011-M-1056, 73.011-M-1057, 73.013-M-0597, 73.013-M-0598, 73.013-M-0599, 73.013-M-0600, 73.013-M-0601, 73.013-M-0602, 73.013-M-0603, 73.013-M-0604, 73.013-M-0844, 73.013-M-0845, 73.013-M-0846, 73.013-M-0847, 73.013-M-0848, 73.013-M-0849, 73.013-M-0850, 73.013-M-0851. - **USNM:** 479834.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.009-M-0235, 73.009-M-0236, 73.009-M-0237, 73.009-M-0238, 73.009-M-0239, 73.009-M-0297, 73.013-M-0770.
Hipposideros ruber (Noack, 1893):
RMCA: 73.011-M-0377.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.009-M-0377, 73.009-M-0378, 73.009-M-0379, 73.009-M-0380, 73.009-M-0381, 73.009-M-0382, 73.009-M-0383, 73.009-M-0384, 73.009-M-0385, 73.009-M-0386, 73.009-M-0387, 73.009-M-0388, 73.009-M-0389, 73.009-M-0390, 73.009-M-0391, 73.009-M-0392, 73.009-M-0393, 73.009-M-0394, 73.009-M-0395, 73.009-M-0396, 73.009-M-0397, 73.009-M-0398, 73.009-M-0399, 73.009-M-0400, 73.009-M-0401, 73.009-M-0402, 73.009-M-0403, 73.009-M-0404, 73.009-M-0405, 73.009-M-0489, 73.013-M-0584, 73.013-M-0640, 73.013-M-0641, 73.013-M-0642, 73.013-M-0643, 73.013-M-0644, 73.013-M-0645, 73.013-M-0646, 73.013-M-0647, 73.013-M-0648, 73.013-M-0649, 73.013-M-0650, 73.013-M-0651, 73.013-M-0652, 73.013-M-0653.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.013-M-0835, 73.013-M-0836. - **USNM:** 437780.
Myonycteris angolensis (Bocage, 1898):
RMCA: 73.009-M-0430, 73.009-M-0431, 73.009-M-0432, 73.009-M-0433, 73.009-M-0434, 73.009-M-0435, 73.009-M-0436, 73.009-M-0437, 73.009-M-0438, 73.009-M-0439, 73.009-M-0440, 73.009-M-0441, 73.009-M-0442, 73.009-M-0443, 73.009-M-0444, 73.009-M-0446, 73.009-M-0447, 73.009-M-0448, 73.009-M-0495, 73.009-M-0496, 73.009-M-0507, 73.009-M-0508, 73.009-M-0509, 73.011-M-0386, 73.011-M-0387, 73.011-M-0914, 73.011-M-0915, 73.011-M-0916. - **USNM:** 437590.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.009-M-0418.
Neoromicia nana (Peters, 1852):
USNM: 437760, 437770.
Nycteris grandis Peters, 1865:
RMCA: 73.011-M-0137. - **USNM:** 437608, 437609, 437610, 437611.
Nycteris macrotis Dobson, 1876:
RMCA: 73.011-M-0136, 73.011-M-0138. - **USNM:** 437626, 437627, 437628, 437629, 437630, 437631, 437632, 437633, 437634.

Nycticeinops schlieffenii (Peters, 1859):
USNM: 437768, 437769.
Rhinolophus Lacépède, 1799:
USNM: 463784.
Rhinolophus darlingi K. Andersen, 1905:
RMCA: 73.011-M-1060.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 73.009-M-0425, 73.011-M-1059, 73.013-M-0588. - **USNM:** 437621, 437717, 437718, 437719, 437720, 437721, 437722, 437723, 437724, 437725, 437726, 437727, 437728, 437729, 437730, 479249, 479259, 479260, 479261.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.009-M-0445, 73.009-M-0494, 73.011-M-0635.
Taphozous nudiventris Cretzschmar, 1830:
USNM: 437600, 437601, 437602, 437603, 437604, 437605, 437606, 437607

NE 09001Cc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.011-M-0982, 73.011-M-0983, 73.011-M-0984, 73.011-M-0985.
Eidolon helvum (Kerr, 1792):
RMCA: 73.011-M-0578.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.011-M-0779, 73.011-M-0780, 73.011-M-0781, 73.011-M-0822, 73.011-M-0823, 73.011-M-0824, 73.011-M-0825, 73.011-M-0870, 73.011-M-0871.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.011-M-0465, 73.011-M-0466, 73.011-M-0467, 73.011-M-0468, 73.011-M-0469, 73.011-M-0918.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.011-M-0711, 73.011-M-0712.
Neoromicia capensis (A. Smith, 1829):
RMCA: 73.011-M-0365.
Neoromicia nana (Peters, 1852):
RMCA: 73.011-M-0948.
Nycteris macrotis Dobson, 1876:
RMCA: 73.011-M-0139, 73.011-M-0140, 73.011-M-0141, 73.011-M-0142.
Scotophilus leucogaster (Cretzschmar, 1826):
RMCA: 73.011-M-0004, 73.011-M-0005

NE 09001Da:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 439064, 439065, 439066, 439067, 439068, 439069.
Eidolon helvum (Kerr, 1792):
USNM: 438857, 438858.
Hipposideros tephrus (Cabrera, 1906):
USNM: 438927, 438928.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 438952, 438953, 438954, 438955, 438956, 477450.
Neoromicia capensis (A. Smith, 1829):
USNM: 438944, 438945, 438946, 438947, 479493, 479494.
Neoromicia nana (Peters, 1852):
USNM: 438932, 438933, 438934, 438935, 438936, 438937, 438938, 438939, 438940, 438941, 479470, 479471, 479472.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 438871, 438872, 438873, 438903, 438904, 438905, 438906, 438907

NE 09002Aa:

Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.26224.
Scotophilus viridis (Peters, 1852):
ZMA: MAM.26223

NE 09002Bc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 421538.
Eidolon helvum (Kerr, 1792):
USNM: 421266, 421267, 421268, 421269, 421270, 421271, 421272, 421273, 421274, 421275, 421276, 421277, 421278, 421279, 421280, 421281, 421282, 421283, 421284, 421285, 421286, 421287, 421288, 421289, 421290, 421291, 421292, 421293, 421294, 421295, 421296, 421297, 421298, 421299, 421300, 421301, 421302, 421303, 478560, 478564.
Epomophorus gambianus (Ogilby, 1835):
USNM: 421242, 421243, 421244, 421245, 421246, 421247, 421248, 421249, 421250, 421251, 421252. - **ZMA:** MAM.23121.
Micropteropus pusillus (Peters, 1868):
USNM: 421264, 421265.
Neoromicia nana (Peters, 1852):
USNM: 421388, 421389.

Neoromicia somalica (Thomas, 1901):
USNM: 421396.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 421458, 421459, 421460

NE 09003Cc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 479836.
Epomophorus gambianus (Ogilby, 1835):
USNM: 421237, 421238, 421239, 421240, 421241.
Hipposideros caffer (Sundevall, 1846):
USNM: 575721, 575722, 575723.
Hipposideros tephrus (Cabrera, 1906):
USNM: 421381, 421383.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
USNM: 421518, 421519, 421520, 421521, 421522.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 421314.
Nycteris hispida (Schreber, 1774):
USNM: 421313, 421315, 421316, 421317, 421318, 478927, 478928, 478933, 478934, 478935.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 421369, 421370, 421371.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 421457

NE 09004Bb:

Epomophorus gambianus (Ogilby, 1835):
RMNH: MAM.23623, MAM.23624, MAM.23645, MAM.23651.
Micropteropus pusillus (Peters, 1868):
RMNH: MAM.23625, MAM.23626, MAM.23627, MAM.23628, MAM.23629, MAM.23630, MAM.23631, MAM.23632, MAM.23633, MAM.23634, MAM.23635, MAM.23636, MAM.23637, MAM.23638, MAM.23639, MAM.23640, MAM.23646, MAM.23647, MAM.23648, MAM.23649, MAM.23650

NE 09005Ac:

Chaerephon leucogaster (A. Grandidier, 1869):
ROM: 77731.
Epomophorus gambianus (Ogilby, 1835):
ROM: 77717.
Micropteropus pusillus (Peters, 1868):
ROM: 77733, 77734, 77738.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 77735.
Neoromicia guineensis (Bocage, 1889):
ROM: 77736, 77737.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 77714.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 77715, 77730, 77732.
Scotophilus viridis (Peters, 1852):
ROM: 77716

NE 09005Ad:

Epomophorus gambianus (Ogilby, 1835):
USNM: 402392, 402393, 402394, 402395, 402396, 402397, 402398, 402399, 402400, 402401, 402402, 402403, 402404, 402405, 402406.
Hipposideros tephrus (Cabrera, 1906):
USNM: 402713.
Micropteropus pusillus (Peters, 1868):
USNM: 402527.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 402665, 402666, 402667, 402668, 402669, 402670, 402671, 402672

NE 09006Aa:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 402812, 402813, 402814, 402815, 402816, 402817, 402818, 402819, 402820, 402821, 402822, 402823, 402824, 402825, 402826, 402827, 402828, 402829, 402830, 402831, 479870, 479871, 479872, 479873, 479874, 479875, 479876, 479877, 479878, 479879, 479880, 479881, 479882, 479883, 479884, 479885, 479886, 479887, 479888, 479889, 479890, 479891, 479892, 479893, 479894, 479895, 479896, 479897, 479898, 479899, 479900, 479901, 479902, 479903, 479904, 479905, 479906, 479907, 479908, 479909.

Epomophorus gambianus (Ogilby, 1835):
USNM: 402367, 402368, 402369, 402370, 402371, 402372.
Micropteropus pusillus (Peters, 1868):
USNM: 402514, 402515, 402516, 402517, 402518, 402519.
Neoromicia nana (Peters, 1852):
USNM: 402775, 402776.
Neoromicia rendalli (Thomas, 1889):
USNM: 402778.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 402790, 402791, 402792, 402793, 402794, 402795, 402796, 402797, 402798, 402799, 402800, 402801, 402802, 402803, 402804, 402805

NE 09006Cc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 378867, 379538, 379539, 379540, 379541, 379542, 379543, 379544, 379545, 379546, 379547, 379548, 379549, 379550, 379551, 379552, 379553, 379554, 379555.
Epomophorus gambianus (Ogilby, 1835):
USNM: 378776, 485836.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 379581, 379582, 379583, 379584, 379585, 379586, 379587, 379588, 379589, 379590, 379591, 379592, 379593, 379594, 379595, 379596, 379597, 379598, 379599, 379600, 379601, 379602, 379603, 379604, 379605, 379606, 379607, 379608, 379609, 379610, 379611, 379612, 379613, 379614, 379615, 379616.
Nycteris hispida (Schreber, 1774):
USNM: 378811, 378812, 378813, 378814, 378815

NE 09007Cd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.19188

NE 09007Ba:

Eidolon helvum (Kerr, 1792):
USNM: 580573, 580574, 580575, 580576, 580577, 580578, 580579, 580580, 580581, 580582, 580583, 580584, 580585, 580586, 580587, 580588, 580589, 580590, 580591, 580592

NE 09007Bd:

Chaerephon leucogaster (A. Grandidier, 1869):
ROM: 79171, 79172, 79173, 79174, 79175.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 79176. - **ZMA:** MAM.18373, MAM.18374.
Scotophilus viridis (Peters, 1852):
ZMA: MAM.18372

NE 09008Ad:

Hipposideros abae J.A. Allen, 1917:
ROM: 86942.
Hipposideros ruber (Noack, 1893):
ROM: 86924, 86925, 86926, 86927, 86933, 86934, 86936.
Kerivoula lanosa (A. Smith, 1847):
ROM: 86938.
Nycteris grandis Peters, 1865:
ROM: 86960.
Nycteris macrotis Dobson, 1876:
ROM: 86946.
Rhinolophus darlingi K. Andersen, 1905:
ROM: 86935.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 86943, 86944, 86945.
Rhinolophus landeri Martin, 1838:
ROM: 86298, 86937

NE 09008Cb:

Hipposideros abae J.A. Allen, 1917:
ROM: 84073, 86055.
Hipposideros beatus (K. Andersen, 1906):
ROM: 84074, 84075.
Hipposideros caffer (Sundevall, 1846):
ROM: 83996.
Hipposideros jonesi Hayman, 1947:
ROM: 83989, 83990, 84055, 84056-a, 84057, 84058, 84059.

Kerivoula lanosa (A. Smith, 1847):
ROM: 86051.
Miniopterus fraterculus Thomas and Schwann, 1906:
ROM: 86049.
Myonycteris angolensis (Bocage, 1898):
ROM: 84060, 84061, 84072.
Myonycteris angolensis smithii (Thomas, 1908):
ROM: 83988, 83994, 83995, 83998, 84001.
Myotis tricolor (Temminck, 1832):
ROM: 86932.
Nycteris macrotis Dobson, 1876:
ROM: 84054.
Rhinolophus darlingi K. Andersen, 1905:
BMNH: 1982.550, 1982.551. - **HZM:** 8.11941. - **ROM:** 84052, 86052, 86057, 86059, 86060, 86061.
Rhinolophus denti Thomas, 1904:
ROM: 84053.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 83997, 84063, 84064, 86053, 86058.
Rhinolophus hildebrandtii Peters, 1878:
ROM: 84002, 86054, 86056.
Rhinolophus landeri Martin, 1838:
ROM: 83991, 84000, 84056-b, 86050.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 79207, 83986, 83987, 83992, 83993, 83999, 84062

NE 09008Bd:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
BMNH: 1965.3429

NE 09008Db:

Scotoecus hirundo (de Winton, 1899):
ZMA: MAM.18382

NE 09008Dd:

Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.18390, MAM.18391.
Eidolon helvum (Kerr, 1792):
ZMA: MAM.18413, MAM.18575, MAM.18576, MAM.20613.
Epomophorus gambianus (Ogilby, 1835):
ZMA: MAM.19071, MAM.19072, MAM.19073, MAM.19074, MAM.19075, MAM.19077, MAM.19078, MAM.19079, MAM.19080, MAM.19133, MAM.19134, MAM.20601, MAM.20602, MAM.20603, MAM.20604, MAM.20605, MAM.20606, MAM.20607, MAM.20614, MAM.20615.
Micropteropus pusillus (Peters, 1868):
ZMA: MAM.19034, MAM.19099, MAM.19100, MAM.19101, MAM.19102, MAM.19103, MAM.19104, MAM.19105, MAM.19106, MAM.19107, MAM.19108, MAM.19109, MAM.19110, MAM.19111, MAM.19112, MAM.19113, MAM.19114, MAM.19115, MAM.19116, MAM.19117, MAM.19118, MAM.19119, MAM.19120, MAM.19121, MAM.19122, MAM.19123, MAM.19124, MAM.19125, MAM.19126, MAM.19127, MAM.19128, MAM.19129, MAM.19130, MAM.19131, MAM.19132, MAM.19136, MAM.19137, MAM.19138, MAM.19139, MAM.19140, MAM.19141, MAM.19142, MAM.19143, MAM.19144, MAM.19145, MAM.20578, MAM.20579, MAM.20580, MAM.20581, MAM.20582, MAM.20583, MAM.20584, MAM.20585, MAM.20586, MAM.20587, MAM.20588, MAM.20589, MAM.20590.
Nanonycteris veldkampii (Jentink, 1888):
ZMA: MAM.20575, MAM.20576, MAM.20577.
Rhinolophus fumigatus Rüppell, 1842:
ZMA: MAM.18378.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.18406, MAM.18407, MAM.18408, MAM.18409.
Scotoecus hindei Thomas, 1901:
BMNH: 1966.1466.
Scotoecus hirundo (de Winton, 1899):
ZMA: MAM.18383.
Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.18369

NE 09009Ac:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 402839, 402840, 402841, 402842, 402843.
Epomophorus gambianus (Ogilby, 1835):
USNM: 402409, 402410, 402411.
Neoromicia rendalli (Thomas, 1889):
USNM: 375939.

Nycteris hispida (Schreber, 1774):
BMNH: 1911.3.24.6.
Scotophilus dinganii (A. Smith, 1833):
USNM: 402806, 402807.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 402808

NE 09009Bc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 375940.
Epomophorus gambianus (Ogilby, 1835):
BMNH: 1912.1.16.1.
Neoromicia nana (Peters, 1852):
BMNH: 1911.3.24.4

NE 09009Bb:

Rhinopoma microphyllum (Brünnich, 1782):
BMNH: 1963.1815

NE 09010Da:

Hipposideros caffer (Sundevall, 1846):
ROM: 84077, 84078.
Scotoecus albofuscus (Thomas, 1890):
ROM: 74210.
Scotophilus viridis (Peters, 1852):
ROM: 74205, 74207

NE 09010Dc:

Eidolon helvum (Kerr, 1792):
HNHM: 98.42.54, 98.42.64.
Epomophorus Bennett, 1836:
HNHM: 98.49.2.
Epomophorus gambianus (Ogilby, 1835):
HNHM: 98.49.1.
Hipposideros beatus (K. Andersen, 1906):
ROM: 86295, 86296, 86297.
Hipposideros caffer (Sundevall, 1846):
ROM: 77739, 86064, 86065, 86066, 86950, 86951, 86952, 86953, 86954, 86955, 86956, 86957, 86958.
Hipposideros ruber (Noack, 1893):
ROM: 86067.
Micropteropus pusillus (Peters, 1868):
HNHM: 98.42.24, 98.42.42, 98.42.43, 98.42.44, 98.42.45, 98.42.46, 98.42.49, 98.42.50, 98.42.51.
Miniopterus fraterculus Thomas and Schwann, 1906:
ROM: 86043, 86062.
Mops (Mops) condylurus (A. Smith, 1833):
HNHM: 98.42.100, 98.42.101, 98.42.102, 98.42.103, 98.42.104, 98.42.105, 98.42.106, 98.42.107, 98.42.108, 98.42.109, 98.42.110, 98.42.65, 98.42.66, 98.42.67, 98.42.68, 98.42.69, 98.42.70, 98.42.71, 98.42.72, 98.42.73, 98.42.74, 98.42.75, 98.42.76, 98.42.77, 98.42.78, 98.42.79, 98.42.80, 98.42.81, 98.42.82, 98.42.83, 98.42.84, 98.42.85, 98.42.86, 98.42.87, 98.42.88, 98.42.89, 98.42.90, 98.42.91, 98.42.92, 98.42.93, 98.42.94, 98.42.95, 98.42.96, 98.42.97, 98.42.98, 98.42.99.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 86068, 86294.
Rhinolophus landeri Martin, 1838:
ROM: 86063, 86959.
Scotophilus viridis (Peters, 1852):
SMF: 77328

NE 09012Ac:

Kerivoula lanosa (A. Smith, 1847):
BMNH: 1988.223.
Myotis morrisi Hill, 1971:
BMNH: 1984.840.
Nycteris hispida (Schreber, 1774):
BMNH: 1978.186.
Scotophilus viridis (Peters, 1852):
BMNH: 1978.189

NE 09012Bb:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 76.014-M-0095, 76.014-M-0096.

Hipposideros jonesi Hayman, 1947:
RMCA: 76.014-M-0022.
Macronycteris vittatus (Peters, 1852):
RMCA: 76.014-M-0025, 76.014-M-0026.
Micropteropus pusillus (Peters, 1868):
RMCA: 76.014-M-0039.
Neoromicia somalica (Thomas, 1901):
RMCA: 76.014-M-0097.
Nycteris hispida (Schreber, 1774):
RMCA: 76.014-M-0050, 76.014-M-0079.
Nycteris macrotis Dobson, 1876:
RMCA: 76.014-M-0049.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 76.014-M-0024, 76.014-M-0047.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 76.014-M-0023

NE 09013Ad:

Eidolon helvum (Kerr, 1792):
RMCA: 73.016-M-0288, 73.016-M-0289, 73.016-M-0290, 73.016-M-0389, 73.016-M-0390, 73.016-M-0391, 73.016-M-0392, 73.016-M-0393, 73.016-M-0394, 73.016-M-0395, 73.016-M-0396, 73.016-M-0397, 73.016-M-0398, 73.016-M-0399, 73.016-M-0400, 73.016-M-0401, 73.016-M-0402, 73.016-M-0403, 73.016-M-0404, 73.016-M-0405, 73.016-M-0406, 73.016-M-0407, 73.016-M-0408, 73.016-M-0409, 73.016-M-0410, 73.016-M-0411

NE 09013Ba:

Neoromicia guineensis (Bocage, 1889):
CM: 58514

NE 09014Ca:

Neoromicia rendalli (Thomas, 1889):
MHNG: 1717.074, 1717.077.
Nycteris hispida (Schreber, 1774):
AMNH: 165831, 165832, 165833, 165834

NE 09016Ad:

Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 165814

NE 09016Bc:

Epomophorus gambianus (Ogilby, 1835):
USNM: 301932, 301933.
Epomophorus gambianus gambianus (Ogilby, 1835):
AMNH: 165835, 165836, 165837, 165838, 165839, 165840, 165841, 165842, 165843, 165844, 165845, 165846, 165847, 165848, 165849, 165850. - **USNM:** 301934

NE 09018Ab:

Chaerephon Dobson, 1874:
MNHN: ZM-MO-1999-128.
Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 165813.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 165815, 165816. - **FMNH:** 49830, 49831. - **MNHN:** ZM-MO-1905-50 A, ZM-MO-1905-50 B. - **SMF:** 12552, 15457. - **USNM:** 301935.
Neoromicia guineensis (Bocage, 1889):
SMF: 6391, 6392.
Neoromicia nana (Peters, 1852):
SMF: 6389.
Neoromicia somalica (Thomas, 1901):
MHNG: 1717.057.
Nycteris hispida (Schreber, 1774):
AMNH: 165818, 165819, 165820, 165821, 165822, 165823, 165824, 165825. - **USNM:** 301936, 310936

NE 09018Bd:

Neoromicia guineensis (Bocage, 1889):
AMNH: 170176

NE 09021Aa:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-2000-893.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-2000-857, ZM-MO-2000-887, ZM-MO-2000-888, ZM-MO-2000-889, ZM-MO-2000-890, ZM-MO-2000-891, ZM-MO-2000-892

NE 09021Ac:

Neoromicia guineensis (Bocage, 1889):
CM: 73705, 73706, 73707.
Neoromicia somalica (Thomas, 1901):
CM: 73708, 73709, 73710, 73711, 73712, 73713, 73714, 73715, 73716, 73717, 73718.
Nycteris hispida (Schreber, 1774):
CM: 73635, 73637.
Pipistrellus rusticus (Tomes, 1861):
CM: 73728, 73729, 73730, 73731, 73732, 73733

NE 09021Da:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1984-1950.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1984-1951, ZM-MO-1984-1952, ZM-MO-1984-1953, ZM-MO-1984-1954

NE 09024Bc:

Epomophorus labiatus (Temminck, 1837):
SMNS: 29875

NE 09028Aa:

Nycteris hispida (Schreber, 1774):
FMNH: 81590, 81591, 81592, 81593, 81594.
Pipistrellus rueppellii rueppellii (J. B. Fischer, 1829):
FMNH: 81595

NE 09028Bb:

Epomophorus labiatus (Temminck, 1837):
MSU: MR.33377, MR.33378, MR.33379, MR.33390

NE 09030Cb:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 166623, 166624

NE 09030Bc:

Nycteris hispida (Schreber, 1774):
ZFMK: 203

NE 09031Ac:

Coleura afra (Peters, 1852):
BMNH: 1915.3.6.75, 1915.3.6.86.
Eidolon helvum (Kerr, 1792):
ZIUE: 7455/125.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMW: 8406, 8407

NE 09031Ca:

Nycteris hispida (Schreber, 1774):
BMNH: 1922.3.3.8. - **NMW:** 8426, 8427, 8428, 8429, 8430, 8431, 8432, 8433, 8434, 8435, 8436, 8437, 8438

NE 09031Ad:

Nycteris hispida (Schreber, 1774):
NMW: 8517

NE 09031Bc:

Eidolon helvum (Kerr, 1792):
ROM: 77225.
Neoromicia rendalli (Thomas, 1889):
ZFMK: 1977.1015.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ZMB: 42427

NE 09031Da:

Chaerephon Dobson, 1874:
ZMA: MAM.20439.
Chaerephon major (Trouessart, 1897):
FMNH: 99241, 99242, 99243, 99244, 99245, 99246, 99247, 99249, 99250. - **ZMA:** MAM.20441.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 144053, 144054, 144055, 144056, 144057, 144058, 144059, 144060, 144061, 144062, 144063, 85458, 85459, 85460, 85461, 99223, 99224, 99225, 99226, 99227, 99228, 99229, 99230, 99231, 99232, 99233, 99234, 99235, 99236, 99237, 99238, 99239, 99240, 99248. - **USNM:** 317945, 317946, 317949, 317950, 317951, 317952.
Eidolon helvum (Kerr, 1792):
FMNH: 99251.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.20435.
Mops (Mops) Lesson, 1842:
ZMA: MAM.20440.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 99220, 99221

NE 09032Cc:

Mops (Mops) midas (Sundevall, 1843):
BMNH: 1901.10.1.9

NE 09035Dc:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1971.2412, 1971.2412_1, 1971.2412_2, 1971.2414, 1971.2415, 1971.2415_1, 1971.2415_2, 1971.2415_3, 1971.2416, 1971.2417.
Myonycteris angolensis petraea (Bergmans, 1997):
BMNH: 1971.2446, 1971.2447, 1972.638.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1972.4391.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
SMF: 41830, 41831.
Scotoecus hindei Thomas, 1901:
BMNH: 1972.4423.
Scotoecus hirundo (de Winton, 1899):
BMNH: 1972.4421

NE 09035Bb:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1983-1209.
Myonycteris angolensis petraea (Bergmans, 1997):
MNHN: ZM-MO-1984-2074, ZM-MO-1984-2075, ZM-MO-1984-2076.
Neoromicia somalica (Thomas, 1901):
SMF: 49137, 49138

NE 09036Aa:

Eidolon helvum (Kerr, 1792):
USNM: 462721, 462722, 462723.
Epomophorus gambianus (Ogilby, 1835):
BMNH: 1971.2413. - **BRTC:** 58461, 58462. - **SMF:** 49585, 49586. - **USNM:** 462695, 462696, 497519, 497520.
Epomophorus labiatus (Temminck, 1837):
USNM: 462689.
Hipposideros caffer (Sundevall, 1846):
BRTC: 58684, 58685.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1983-1102, ZM-MO-1983-1103, ZM-MO-1983-1104, ZM-MO-1983-1105. - **SMF:** 49577, 49578, 49579, 49580, 49581. - **USNM:** 497588, 497589, 497590, 497591, 497592, 497593, 497594, 497595, 497596, 497597, 497598, 497599, 497601.
Miniopterus inflatus Thomas, 1903:
BRTC: 59519.

Myonycteris angolensis (Bocage, 1898):
USNM: 497488, 497489, 497490.
Myotis bocagii (Peters, 1870):
BRTC: 58687.
Neoromicia capensis (A. Smith, 1829):
BRTC: 58686.
Neoromicia nana (Peters, 1852):
CM: 52656. - **USNM:** 462747, 497617, 520902.
Nycteris macrotis Dobson, 1876:
BMNH: 1972.4311. - **CM:** 52634.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1972.4312. - **SMF:** 49096.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 497609, 497610, 497611.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
USNM: 462680, 462775.
Stenonycteris lanosus (Thomas, 1906):
SMF: 49588

NE 09037Dd:

Miniopterus africanus Sanborn, 1936:
FMNH: 28765, 28766, 28767, 28768, 28770.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 30717. - **TM:** 10015

NE 09038Ca:

Miniopterus africanus Sanborn, 1936:
FMNH: 28769

NE 09038Ba:

Chaerephon ansorgei (Thomas, 1913):
BMNH: 1971.2457.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1983-1236.
Myotis bocagii (Peters, 1870):
HNHM: 95.89.245, 95.89.246.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
CM: 47350.
Pipistrellus Kaup, 1829:
EBD: MAM 25839, MAM 25913.
Pipistrellus hesperidus (Temminck, 1840):
AMNH: 48079, 48080, 81089. - **ZFMK:** 1977.1011.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 28779.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1983-1274

NE 09039Aa:

Epomophorus labiatus (Temminck, 1837):
SMF: 4370.
Epomophorus minor Dobson, 1880:
BMNH: 1909.1.4.6.
Myotis bocagii (Peters, 1870):
ROM: 71969, 71970.
Neoromicia nana (Peters, 1852):
SMF: 4306.
Pipistrellus hesperidus (Temminck, 1840):
ROM: 71971, 71972. - **SMF:** 12361, 12381, 4229.
Plecotus christii Gray, 1838:
SMF: 28225.
Rhinolophus fumigatus Rüppell, 1842:
SMF: 4372, II.F.7b.
Stenonycteris lanosus (Thomas, 1906):
BMNH: 1861.2.30.6

NE 09039Bb:

Nycteris hispida (Schreber, 1774):
BMNH: 1971.645. - **USNM:** 497603.
Nycticeinops schlieffenii (Peters, 1859):
BMNH: 1971.675.

Pipistrellus rusticus (Tomes, 1861):
MZUF: 6563

NE 09039Db:

Epomophorus labiatus (Temminck, 1837):
MSNG: 41196.
Epomophorus minimus Claessen & De Vree, 1991:
MNHN: ZM-MO-1885-189

NE 09040Aa:

Pipistrellus rueppellii (Fischer, 1829):
ROM: 72050, 72051, 72053, 72054

NE 09040Ac:

Epomophorus minimus Claessen & De Vree, 1991:
ROM: 72052.
Nycteris hispida (Schreber, 1774):
ROM: 71989.
Pipistrellus rueppellii (Fischer, 1829):
ROM: 71945, 71946, 71947, 71948, 71950, 71951, 71952, 71953, 71954, 71958, 71959, 71960, 71961, 71962, 71963, 71964, 71968, 71973, 71974, 71980, 71981, 71982, 71984, 71988, 71996, 71997, 71998, 72000, 72001, 72002, 72003, 72005, 72006, 72013, 72014, 72015, 72016, 72017, 72018, 72019, 72021, 72022, 72023, 72024, 72026, 72027, 72028, 72030, 72031, 72032, 72040, 72042, 72043, 72044, 72045, 72047, 72048, 72049

NE 09040Cb:

Chaerephon leucogaster (A. Grandidier, 1869):
ROM: 71949, 71967, 71979, 71983, 71985, 71992, 71993, 71994, 71999, 72004, 72010, 72011, 72012, 72029, 72033, 72034, 72035, 72036, 72037, 72038, 72039, 72041.
Chaerephon nigeriae Thomas, 1913:
ROM: 71965, 71975, 71976, 71977, 71978, 72025.
Epomophorus minor Dobson, 1880:
ROM: 71990, 72046.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 71955, 71956, 71957, 71966, 71987, 71995, 72007, 72008, 72009, 72020.
Scotophilus dinganii (A. Smith, 1833):
ROM: 71991

NE 09041Aa:

Rhinolophus clivosus Cretzschmar, 1828:
MNHN: ZM-MO-1972-487

NE 09041Ac:

Epomophorus minimus Claessen & De Vree, 1991:
SMF: 49573, 49574, 49575

NE 09041Ad:

Pipistrellus hesperidus (Temminck, 1840):
ZMMU: S-168942.
Pipistrellus rusticus (Tomes, 1861):
ZMMU: S-168936

NE 09041Bc:

Pipistrellus hesperidus (Temminck, 1840):
NMP: pb5487

NE 09041Db:

Eidolon helvum (Kerr, 1792):
RMCA: 13742b.
Hipposideros tephrus (Cabrera, 1906):
ZMB: 41743, 42754, 42755.
Neoromicia somalica (Thomas, 1901):
AMNH: 48081, 48082. - **ZMB:** 48187.
Nycteris macrotis Dobson, 1876:
ZMB: T09723.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
OSU: 6341, 6342, 6343.
Rhinolophus blasii Peters, 1867:
ZMB: 41744, 42753.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 13740, 13741. - **ZMB:** 48184, 48185, 48186.
Triaenops Dobson, 1871:
ZMB: T09722

NE 09042Ac:

Chaerephon pumilus (Cretzschmar, 1826):
MVZ: 141884. - **ROM:** 62154, 62155, 62156, 62157, 62158, 62159, 62160, 62161.
Epomophorus minimus Claessen & De Vree, 1991:
NMW: 15204.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1912.2.28.1. - **ZMB:** 54665, T09551.
Rhinolophus blasii Peters, 1867:
AMNH: 48077, 48078.
Rhinolophus clivosus Cretzschmar, 1828:
MSNG: 18243, 45630a, 45630b.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 48056, 48057, 48058.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1902.9.9.8, 1902.9.9.9

NE 09042Ab:

Epomophorus minimus Claessen & De Vree, 1991:
OSU: 5515, 5517, 5524, 5528

NE 09042Bd:

Chaerephon pumilus (Cretzschmar, 1826):
MVZ: 141883.
Epomophorus labiatus (Temminck, 1837):
MVZ: 141881, 141882

NE 09044Ca:

Cardioderma cor (Peters, 1872):
AMNH: 276147. - **CAS:** 11915, 11916, 11917, 11918, 11919, 11920, 11921, 11922.
Neoromicia somalica (Thomas, 1901):
BMNH: 1898.6.9.1.
Nycteris macrotis Dobson, 1876:
BMNH: 1972.4161.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1948.331, 1953.586

NE 09045Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1908.4.9.3, 1909.12.17.1, 1909.12.17.2, 1910.3.27.1, 1910.3.27.2, 1910.3.27.4, 1910.3.27.5, 1910.7.19.1.
Rhinolophus blasii Peters, 1867:
BMNH: 1909.12.17.4

NE 09045Da:

Nycteris G. Cuvier and E. Geoffroy, 1795:
MCZ: 45393.
Nycteris aurita (K. Andersen, 1912):
BMNH: 1908.7.24.9.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1934.9.14.4

NE 09048Ab:

Rhinopoma cystops Thomas, 1903:
MZUF: 9920, 9922, 9923, 9924, 9925, 9926, 9927, 9928, 9929, 9930

NE 09050Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MSNM: 1037

NW 08013Aa:

Epomophorus gambianus gambianus (Ogilby, 1835):
ROM: 56491, 56492, 56493.
Hipposideros abae J.A. Allen, 1917:
ROM: 62750.
Scotophilus dinganii (A. Smith, 1833):
ROM: 62749

NW 08013Ac:

Eidolon helvum (Kerr, 1792):
USNM: 511987, 511988, 511989, 577694. - **ZMH:** 42300.
Eidolon helvum helvum (Kerr, 1792):
ROM: 56482, 56483, 56484, 56485.
Epomophorus gambianus (Ogilby, 1835):
ROM: 60668, 60669, 60691, 60693, 60694, 60698, 60699.
Epomophorus gambianus gambianus (Ogilby, 1835):
ROM: 56494.
Epomops franqueti (Tomes, 1860):
ROM: 56487, 56488, 60667, 60671, 60681.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 56489, 60680.
Micropteropus pusillus (Peters, 1868):
ROM: 60689, 60695, 60697.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ROM: 56495, 56496, 56497, 60692, 60696. - **USNM:** 399145.
Mops (Xiphonycteris) thersites (Thomas, 1903):
BMNH: 1953.115.
Myonycteris angolensis (Bocage, 1898):
ROM: 60676, 60677, 60678, 60679, 62745.
Neoromicia nana (Peters, 1852):
ROM: 62746.
Nycteris macrotis Dobson, 1876:
BMNH: 1959.211, 1959.212.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 77471, 77472, 77473, 77474, 77475, 77476, 77477, 77478, 77479, 77480, 77481, 77482.
Pipistrellus Kaup, 1829:
ROM: 62747.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 56486, 60670

NW 08013Ca:

Hypsugo musciculus (Thomas, 1913):
BMNH: 1934.11.16.1.
Mimetillus moloneyi (Thomas, 1891):
BMNH: 1924.2.1.3

NW 08013Ad:

Eidolon helvum (Kerr, 1792):
ROM: 77642, 77643, 77644, 77645, 77646.
Epomophorus gambianus (Ogilby, 1835):
ROM: 60666, 77484, 77485, 77486, 77487.
Epomophorus gambianus gambianus (Ogilby, 1835):
ROM: 56490.
Epomops franqueti (Tomes, 1860):
ROM: 60672, 60673.
Micropteropus pusillus (Peters, 1868):
ROM: 60674.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ROM: 77648, 77649, 77650, 77651.
Myonycteris angolensis (Bocage, 1898):
ROM: 60675.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 77652, 77653, 77654, 77655, 77656, 77657.
Rhinolophus landeri Martin, 1838:
ROM: 77658.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 77483, 77647

NW 08013Cb:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1883.4.24.1.
Epomops buettikoferi (Matschie, 1899):
NMW: 17866.
Micropteropus pusillus (Peters, 1868):
ROM: 60688.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ROM: 60687.
Myonycteris angolensis (Bocage, 1898):
ROM: 60682, 60683, 60684, 60685, 60686.
Nycteris macrotis Dobson, 1876:
BMNH: 1953.43.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1953.44

NW 08012Aa:

Epomops buettikoferi (Matschie, 1899):
BMNH: 1959.201, 1959.202, 1959.203, 1959.204.
Glauconycteris poensis (Gray, 1842):
AMNH: 219139. - **ROM:** 51043, 51044.
Hipposideros abae J.A. Allen, 1917:
ROM: 51040.
Neoromicia nana (Peters, 1852):
ROM: 51042.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 51052.
Nycteris hispida (Schreber, 1774):
BMNH: 1950.1898, 1950.1899, 1959.213, 1960.150. - **ROM:** 51047, 51053.
Nycteris macrotis Dobson, 1876:
BMNH: 1916.1.27.1. - **ROM:** 51039.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 35641, 35685

NW 08012Cc:

Chaerephon leucogaster (A. Grandidier, 1869):
ROM: 51048.
Hipposideros jonesi Hayman, 1947:
BMNH: 1947.629.
Hipposideros ruber (Noack, 1893):
ROM: 51046.
Nycteris hispida (Schreber, 1774):
BMNH: 1962.2072.
Nycteris macrotis Dobson, 1876:
BMNH: 1962.1775.
Rhinolophus landeri Martin, 1838:
ROM: 51045.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1939.481

NW 08012Cb:

Eidolon helvum (Kerr, 1792):
BMNH: 1953.35. - **MCZ:** 46385, 46386

NW 08012Ba:

Nycteris arge Thomas, 1903:
BMNH: 1962.1832, 1962.1833

NW 08012Da:

Epomophorus gambianus (Ogilby, 1835):
ROM: 60660.
Epomops franqueti (Tomes, 1860):
ROM: 60665.
Micropteropus pusillus (Peters, 1868):
ROM: 60661, 60662, 60663, 60664

NW 08012Dc:

Nycteris hispida (Schreber, 1774):
BMNH: 1939.491

NW 08012Bd:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1953.38

NW 08011Aa:

Mops (Mops) condylurus (A. Smith, 1833):
USNM: 539583.
Nycteris macrotis Dobson, 1876:
USNM: 463090

NW 08011Ac:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 538470.
Epomops franqueti (Tomes, 1860):
USNM: 538465.
Hipposideros fuliginosus (Temminck, 1853):
USNM: 463163.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 538466.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 463307.
Micropteropus pusillus (Peters, 1868):
USNM: 538467, 538468, 538469.
Miniopterus inflatus Thomas, 1903:
USNM: 463167, 463168, 463312, 463313.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 463314.
Mops (Xiphonycteris) thersites (Thomas, 1903):
USNM: 463315.
Myonycteris angolensis (Bocage, 1898):
USNM: 538464.
Pipistrellus nanulus Thomas, 1904:
USNM: 463166.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
USNM: 463116, 463117, 463118, 463300, 463301, 463302, 463303, 463304, 463305, 463306.
Scotophilus nux Thomas, 1904:
USNM: 463311

NW 08011Da:

Nycteris macrotis Dobson, 1876:
BMNH: 1939.489, 1939.490

NW 08011Db:

Neoromicia rendalli (Thomas, 1889):
DNSM: 13712

NW 08010Aa:

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
AMNH: 257041.
Myonycteris leptodon K. Andersen, 1908:
AMNH: 256991.
Nycteris arge Thomas, 1903:
AMNH: 257042.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 257001, 257002

NW 08010Bb:

Epomops franqueti (Tomes, 1860):
USNM: 462813, 462814, 462815, 463083, 463084, 463085, 463086, 463087, 463088, 463089, 539579, 539580, 539581, 539582.
Glauconycteris poensis (Gray, 1842):
USNM: 462854, 462855.

Hipposideros abae J.A. Allen, 1917:
USNM: 463119, 463120, 463121, 463122, 463123, 463124, 463125.
Hipposideros ruber (Noack, 1893):
USNM: 463126, 463127, 463128, 463129, 463130, 463131, 463132, 463133, 463134, 463135, 463136, 463137, 463138, 463139, 463140, 463141, 463142, 463143, 463144, 463145, 463146, 463147, 463148, 463149, 463150, 463151, 463152, 463153, 463154, 463155, 463156, 463157, 463158, 463159, 463160, 463161, 463162.
Pipistrellus nanulus Thomas, 1904:
USNM: 462851

NW 08009Ab:

Epomops franqueti (Tomes, 1860):
USNM: 541518, 541519, 541520, 541521, 541522, 541523, 541524, 541525, 541526.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
AMNH: 265695, 265696, 265697, 265698, 265699, 265700, 265701, 265702, 265703, 265704, 265705, 265706. - **USNM:** 541528, 541529, 541530, 541531.
Micropteropus pusillus (Peters, 1868):
USNM: 541527.
Miniopterus inflatus Thomas, 1903:
AMNH: 265828, 265829, 265830.
Miniopterus inflatus inflatus Thomas, 1903:
AMNH: 265827.
Myonycteris angolensis (Bocage, 1898):
USNM: 541510.
Myonycteris leptodon K. Andersen, 1908:
AMNH: 265679, 265680, 265681, 265682, 265683, 265684, 265685, 265686, 265687, 265688, 265689, 265690, 265691, 265692, 265693, 265694. - **USNM:** 541511, 541512, 541513, 541514, 541515, 541516, 541517.
Neoromicia nana (Peters, 1852):
USNM: 541532.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 541533, 541534.
Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002:
AMNH: 265708

NW 08009Ad:

Hipposideros Gray, 1831:
MNHN: ZM-MO-1970-468.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1970-466, ZM-MO-1970-467, ZM-MO-1970-469, ZM-MO-1970-470, ZM-MO-1970-471, ZM-MO-1970-472, ZM-MO-1970-473, ZM-MO-1970-474.
Hipposideros marisae Aellen, 1954:
MNHN: ZM-MO-1970-476.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1985-1124, ZM-MO-1985-507, ZM-MO-1991-2275.
Nanonycteris veldkampii (Jentink, 1888):
MNHN: ZM-MO-1984-191.
Neoromicia tenuipinnis (Peters, 1872):
MNHN: ZM-MO-1970-475.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1970-464, ZM-MO-1970-465.
Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002:
ZFMK: 1999.0934.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1970-463.
Scotonycteris occidentalis Hayman, 1947:
MNHN: ZM-MO-1991-2274

NW 08009Cb:

Nanonycteris veldkampii (Jentink, 1888):
MNHN: ZM-MO-1920-373

NW 08009Bc:

Epomophorus gambianus (Ogilby, 1835):
AMNH: 257021, 257022.
Rhinolophus hillorum Koopman, 1989:
AMNH: 257044.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 257003

NW 08009Da:

Hypsugo eisentrauti (Hill, 1968):
MNHN: ZM-MO-1970-477

NW 08009Bd:

Doryrhina cyclops (Temminck, 1853):
AMNH: 257049.
Epomophorus gambianus (Ogilby, 1835):
AMNH: 257016, 257017, 257018, 257019, 257023, 257024, 257025.
Epomops buettikoferi (Matschie, 1899):
AMNH: 257004, 257020.
Glauconycteris poensis (Gray, 1842):
AMNH: 257089, 257090, 257091, 257092, 257093.
Hipposideros fuliginosus (Temminck, 1853):
AMNH: 257050.
Hipposideros lamottei Brosset, 1985:
AMNH: 257047, 257048.
Hipposideros ruber (Noack, 1893):
AMNH: 257051, 257052.
Hypsugo eisentrauti (Hill, 1968):
AMNH: 257054.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
AMNH: 257039.
Mimetillus moloneyi (Thomas, 1891):
AMNH: 257059, 257060, 257061, 257062, 257063, 257064, 257065, 257066, 257067, 257068.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
AMNH: 257078, 257079, 257080, 257081, 257082, 257083, 257084, 257085, 257086, 257087.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 257088.
Nanonycteris veldkampii (Jentink, 1888):
AMNH: 257033.
Neoromicia brunnea (Thomas, 1880):
AMNH: 257056.
Nycteris major (K. Andersen, 1912):
AMNH: 257043.
Rhinolophus guineensis Eisentraut, 1960:
AMNH: 257045, 257046.
Scotophilus nux Thomas, 1904:
AMNH: 257069

NW 08008Bd:

Hipposideros ruber (Noack, 1893):
ZFMK: 2008.0288, 2009.0027.
Hypsugo Kolenati, 1856:
ZFMK: 2008.0295.
Hypsugo crassulus (Thomas, 1904):
ZFMK: 2008.0299.
Micropteropus pusillus (Peters, 1868):
ZFMK: 2009.0019.
Mimetillus moloneyi (Thomas, 1891):
ZFMK: 2008.0303.
Miniopterus natalensis (A. Smith, 1833):
ZFMK: 2008.0305.
Mops (Mops) condylurus (A. Smith, 1833):
ZFMK: 2009.0034, 2009.0035.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ZFMK: 2008.0310, 2008.0311.
Myonycteris angolensis smithii (Thomas, 1908):
ZFMK: 2009.0018.
Myonycteris leptodon K. Andersen, 1908:
ZFMK: 2008.0278.
Neoromicia isabella Decher, Hutterer and Monadjem, 2016:
ZFMK: 2008.0291, 2008.0292.
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013:
ZFMK: 2008.0293, 2008.0294.
Pipistrellus grandidieri (Dobson, 1876):
ZFMK: 2008.0300, 2008.0301.
Pipistrellus nanulus Thomas, 1904:
ZFMK: 2008.0298.
Rhinolophus guineensis Eisentraut, 1960:
ZFMK: 2008.0281, 2009.0020.

Rhinolophus landeri Martin, 1838:
ZFMK: 2009.0021.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZFMK: 2008.0279.
Scotophilus nux Thomas, 1904:
ZFMK: 2008.0306

NW 08008Db:

Chaerephon russatus J.A. Allen, 1917:
ZFMK: 2008.0307.
Epomops buettikoferi (Matschie, 1899):
ZFMK: 2008.0276.
Hipposideros fuliginosus (Temminck, 1853):
ZFMK: 2008.0284.
Hipposideros jonesi Hayman, 1947:
ZFMK: 2008.0285, 2008.0286, 2008.0287.
Hipposideros ruber (Noack, 1893):
ZFMK: 2008.0289, 2008.0290, 2009.0028.
Hypsugo Kolenati, 1856:
ZFMK: 2008.0296, 2009.0029, 2009.0032.
Hypsugo crassulus (Thomas, 1904):
ZFMK: 2009.0030.
Micropteropus pusillus (Peters, 1868):
ZFMK: 2008.0277, 2008.0321, 2008.0322.
Miniopterus natalensis (A. Smith, 1833):
ZFMK: 2008.0304, 2009.0024, 2009.0025, 2009.0026.
Mops (Mops) condylurus (A. Smith, 1833):
ZFMK: 2008.0308, 2008.0309.
Neoromicia somalica (Thomas, 1901):
ZFMK: 2009.0033.
Nycteris gambiensis (K. Andersen, 1912):
ZFMK: 2008.0280.
Pipistrellus grandidieri (Dobson, 1876):
ZFMK: 2008.0302.
Pipistrellus nanulus Thomas, 1904:
ZFMK: 2008.0297, 2009.0031.
Rhinolophus guineensis Eisentraut, 1960:
ZFMK: 2009.0022, 2009.0023.
Rhinolophus landeri Martin, 1838:
ZFMK: 2008.0282, 2008.0283

NW 08007Ab:

Nycteris gambiensis (K. Andersen, 1912):
USNM: 465764, 465765

NW 08007Bc:

Epomops buettikoferi (Matschie, 1899):
ORSTOM: A9523, A9524, A9527, A9535, A9544. - **ZMA:** MAM.17304, MAM.17305.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ZMA: MAM.18035, MAM.18036.
Myonycteris leptodon K. Andersen, 1908:
MNHN: ZM-MO-1982-117, ZM-MO-1982-118, ZM-MO-1982-119, ZM-MO-1982-120, ZM-MO-1982-121. - **ORSTOM:** A9526, A9528, A9529, A9530, A9531, A9533, A9542, A9545, A9546, A9547, A9548. - **ZMA:** MAM.16960, MAM.16961, MAM.16962, MAM.16963, MAM.16964, MAM.16965, MAM.16966.
Nanonycteris veldkampii (Jentink, 1888):
ZMA: MAM.18046.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.19273.
Scotonycteris occidentalis Hayman, 1947:
ZMA: MAM.18040

NW 08005Cb:

Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 85.039-M-0001

NW 08005Dd:

Micropteropus Matschie, 1899:
FMNH: 58901, 58902, 58903.
Micropteropus pusillus (Peters, 1868):
FMNH: 105234, 105235, 105236, 105237, 105278, 105279, 105280, 105283.

Myonycteris angolensis smithii (Thomas, 1908):
FMNH: 105277, 105281, 105282.
Rhinolophus landeri Martin, 1838:
FMNH: 105325

NW 08004Ad:

Epomophorus gambianus gambianus (Ogilby, 1835):
FMNH: 105302, 105303, 105304, 105305, 105306, 105307, 105310, 105334.
Micropteropus Matschie, 1899:
FMNH: 58891, 58892, 58893, 58895, 58896, 58897, 58898, 58900.
Micropteropus pusillus (Peters, 1868):
FMNH: 105231, 105232, 105233, 105263, 105264, 105265, 105266, 105267, 105268, 105269, 105270.
Myonycteris angolensis smithii (Thomas, 1908):
FMNH: 105308, 105309.
Nanonycteris veldkampii (Jentink, 1888):
FMNH: 58894, 58899.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 105331

NW 08003Dc:

Otomops martiensseni (Matschie, 1897):
SMF: 92048, 92049, 92050

NW 08002Cd:

Epomophorus gambianus (Ogilby, 1835):
USNM: 414731, 414732.
Glauconycteris variegata (Tomes, 1861):
USNM: 420077.
Hipposideros fuliginosus (Temminck, 1853):
USNM: 414974.
Hipposideros ruber (Noack, 1893):
USNM: 414977, 414978.
Hipposideros tephrus (Cabrera, 1906):
USNM: 414975, 414976.
Micropteropus pusillus (Peters, 1868):
USNM: 414767, 414768, 414769, 414770, 414771, 414772, 414773, 414774, 414775, 414776, 414777, 414778, 414779, 414780, 478548, 478549, 478550, 478551, 478552.
Mimetillus moloneyi (Thomas, 1891):
USNM: 414992.
Mops (Mops) demonstrator (Thomas, 1903):
USNM: 420088.
Neoromicia nana (Peters, 1852):
USNM: 414987.
Neoromicia somalica (Thomas, 1901):
USNM: 414984, 414985, 414986, 414988, 414989, 414990, 414991, 424863.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 414913, 414914, 414915, 478781, 576109.
Nycteris hispida (Schreber, 1774):
USNM: 414833, 414834, 414835, 414836, 414837, 414838, 414839, 414840, 414841, 414842, 478958, 478959, 478960, 478961, 478962, 478963, 478964, 478965, 478966, 478967, 478968, 478969, 478970, 478971, 478972, 478973, 478974, 478975, 478976, 478977, 478978, 478979, 478980, 478981, 478982, 478983, 478984, 478985, 478986, 478987.
Nycteris macrotis Dobson, 1876:
USNM: 414968, 414969, 414970, 414971.
Rhinolophus alcyone Temminck, 1853:
USNM: 414973.
Scotoecus hirundo (de Winton, 1899):
USNM: 414994, 414995, 414996, 414997, 414998, 414999, 415000, 420003, 420004, 420005, 420006, 479499, 479500.
Scotophilus dinganii (A. Smith, 1833):
USNM: 420063, 420066, 420072, 420073.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 420061, 420062, 420064, 420065, 420067, 420068, 420069, 420070, 420071, 479501, 479502, 479503, 479504, 479505, 479506, 479507, 479508, 479509, 479510, 479511.
Scotophilus viridis (Peters, 1852):
USNM: 420016, 420017, 420018, 420019, 420020, 420021, 420022, 420023, 420024, 420025, 420026, 420027, 420028, 420029, 420030, 420031, 420032, 420033, 420034, 420035, 420036, 420037, 420038, 420039, 420040, 420041, 420042, 420043, 420044, 420045, 420046, 420047, 420048, 420049, 420050, 420051, 420052, 420053, 420054, 420055, 420056, 420057, 420058, 420059, 420060

NW 08001Ba:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1950.1511

NW 08001Bb:

Neoromicia rendalli (Thomas, 1889):
USNM: 424864, 424865.
Pipistrellus inexspectatus Aellen, 1959:
USNM: 424862

NW 08000Ca:

Epomophorus gambianus (Ogilby, 1835):
USNM: 424722, 424723, 424724, 424725, 424726, 424727, 424728, 424729, 424730, 424731, 424732, 424733, 424734, 424735, 424736.
Micropteropus pusillus (Peters, 1868):
USNM: 424765, 424787.
Scotophilus dinganii (A. Smith, 1833):
USNM: 424883, 424884

NW 08000Ab:

Myonycteris angolensis smithii (Thomas, 1908):
BMNH: 1955.370, 1955.371, 1955.372. - **RMCA:** 23719.
Nycteris arge Thomas, 1903:
BMNH: 1955.374

NE 08000Cc:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 239414, 239415, 239416, 239417, 239418, 239419, 239420, 239421, 239422, 239423.
Epomophorus gambianus gambianus (Ogilby, 1835):
AMNH: 239353, 239354, 239355, 239356, 239357, 239358, 239359, 239360, 239361, 239362, 239363.
Epomops franqueti (Tomes, 1860):
ZMB: 53896.
Micropteropus pusillus (Peters, 1868):
AMNH: 239383.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 239412.
Neoromicia nana (Peters, 1852):
AMNH: 239407, 239408, 239409, 239410

NE 08000Ba:

Micropteropus pusillus (Peters, 1868):
ZMB: 10051, 6755, 6756.
Myonycteris angolensis (Bocage, 1898):
ZMB: 6757, 6758, 6759, 6760.
Nanonycteris veldkampii (Jentink, 1888):
ZMB: 10041

NE 08000Bc:

Doryrhina cyclops (Temminck, 1853):
USNM: 424852.
Epomophorus gambianus (Ogilby, 1835):
USNM: 424737, 424738, 424739, 424740.
Epomops franqueti (Tomes, 1860):
USNM: 424742, 424743, 424744, 424745, 424746, 424747, 424748, 424749, 424750, 424751, 424752, 424753, 424754, 424755, 424756.
Glauconycteris variegata (Tomes, 1861):
USNM: 424900.
Hipposideros ruber (Noack, 1893):
SMF: 92133.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 424759, 424760, 424761, 424762.
Macronycteris gigas (Wagner, 1845):
USNM: 424858, 424859, 424860, 424861.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 424839.
Micropteropus pusillus (Peters, 1868):
USNM: 424766, 424767, 424768, 424769, 424770, 424771, 424772, 424773, 424774, 424775, 424788, 424789, 424790, 424791, 424792, 424793, 424794, 424795.
Mimetillus moloneyi (Thomas, 1891):
USNM: 424870, 424871.

Myonycteris angolensis (Bocage, 1898):
USNM: 424661, 424662, 424663, 424664, 424665, 424666, 424667, 424668, 424669, 424670, 424671, 424672, 424673, 424674, 424675, 424676, 424677, 424678, 424679, 424680.
Nanonycteris veldkampii (Jentink, 1888):
USNM: 424822.
Scotophilus dinganii (A. Smith, 1833):
USNM: 424888.
Scotophilus viridis (Peters, 1852):
USNM: 424885, 424886, 424887

NE 08000Bb:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 437868, 437869, 437870, 437871, 437872, 479835, 480086, 480087.
Epomophorus gambianus (Ogilby, 1835):
USNM: 437581, 437582, 437583, 437584.
Micropteropus pusillus (Peters, 1868):
USNM: 437592

NE 08000Db:

Eidolon helvum (Kerr, 1792):
RMCA: 73.011-M-0599, 73.011-M-0600, 73.011-M-0601, 73.011-M-0602, 73.011-M-0603, 73.011-M-0604, 73.011-M-0605, 73.011-M-0606, 73.011-M-0607, 73.011-M-0608.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.011-M-0363, 73.011-M-0754, 73.011-M-0755, 73.011-M-0756, 73.011-M-0757, 73.011-M-0758, 73.011-M-0759, 73.011-M-0760, 73.011-M-0761, 73.011-M-0787, 73.011-M-0788, 73.011-M-0789, 73.011-M-0790, 73.011-M-0791, 73.011-M-0792, 73.011-M-0793, 73.011-M-0832, 73.011-M-0833, 73.011-M-0876, 73.011-M-0877, 73.011-M-0878, 73.011-M-0879, 73.011-M-0917.
Epomops franqueti (Tomes, 1860):
RMCA: 73.011-M-0460, 73.011-M-0628, 73.011-M-0629.
Glauconycteris poensis (Gray, 1842):
RMCA: 73.011-M-0371.
Hipposideros ruber (Noack, 1893):
RMCA: 73.011-M-0374, 73.011-M-0385, 73.011-M-0644.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
RMCA: 73.011-M-0389, 73.011-M-0622.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.011-M-0485, 73.011-M-0486, 73.011-M-0487, 73.011-M-0488, 73.011-M-0489, 73.011-M-0490, 73.011-M-0491, 73.011-M-0492, 73.011-M-0493, 73.011-M-0494, 73.011-M-0495, 73.011-M-0496, 73.011-M-0497, 73.011-M-0498, 73.011-M-0499, 73.011-M-0500, 73.011-M-0501, 73.011-M-0502, 73.011-M-0503, 73.011-M-0504, 73.011-M-0505, 73.011-M-0506, 73.011-M-0507, 73.011-M-0508, 73.011-M-0509, 73.011-M-0510, 73.011-M-0511, 73.011-M-0512, 73.011-M-0513, 73.011-M-0514, 73.011-M-0515, 73.011-M-0516, 73.011-M-0517, 73.011-M-0518, 73.011-M-0519, 73.011-M-0520, 73.011-M-0521, 73.011-M-0522, 73.011-M-0523, 73.011-M-0524, 73.011-M-0525, 73.011-M-0526, 73.011-M-0527, 73.011-M-0528, 73.011-M-0529, 73.011-M-0530, 73.011-M-0531, 73.011-M-0532, 73.011-M-0533, 73.011-M-0534, 73.011-M-0535, 73.011-M-0536, 73.011-M-0537, 73.011-M-0538, 73.011-M-0539, 73.011-M-0540, 73.011-M-0541, 73.011-M-0542, 73.011-M-0543, 73.011-M-0544, 73.011-M-0545, 73.011-M-0546, 73.011-M-0547, 73.011-M-0548, 73.011-M-0549, 73.011-M-0919, 73.011-M-0920, 73.011-M-0921, 73.011-M-0922, 73.011-M-0923, 73.011-M-0924, 73.011-M-0925, 73.011-M-0926, 73.011-M-0927, 73.011-M-0928, 73.011-M-0929, 73.011-M-0930, 73.011-M-0931, 73.011-M-0932, 73.011-M-0933.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.011-M-0390, 73.011-M-0391, 73.011-M-0392, 73.011-M-0393, 73.011-M-0394, 73.011-M-0395, 73.011-M-0396, 73.011-M-0397, 73.011-M-0452, 73.011-M-0612, 73.011-M-0613, 73.011-M-0614, 73.011-M-0615, 73.011-M-0616, 73.011-M-0617, 73.011-M-0618, 73.011-M-0619.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.011-M-0421, 73.011-M-0422, 73.011-M-0423, 73.011-M-0424, 73.011-M-0425, 73.011-M-0426, 73.011-M-0636, 73.011-M-0637, 73.011-M-0638, 73.011-M-0639, 73.011-M-0640, 73.011-M-0641, 73.011-M-0642, 73.011-M-0643

NE 08001Dc:

Scotophilus nigrita (Schreber, 1774):
NMP: 91889

NE 08001Bd:

Chaerephon Dobson, 1874:
ZMA: MAM.25374, MAM.25375, MAM.25376, MAM.25377

NE 08002Ab:

Epomophorus gambianus gambianus (Ogilby, 1835):
ZMA: MAM.25372

NE 08002Ba:

Epomophorus gambianus (Ogilby, 1835):
USNM: 421180, 421181, 421182.
Micropteropus pusillus (Peters, 1868):
USNM: 421253, 421254, 478556, 478557, 478558.
Rhinolophus landeri Martin, 1838:
USNM: 421373

NE 08003Ba:

Hipposideros tephrus (Cabrera, 1906):
USNM: 402712.
Micropteropus pusillus (Peters, 1868):
USNM: 402512, 402513

NE 08004Ca:

Chaerephon major (Trouessart, 1897):
BMNH: 1962.445

NE 08004Ba:

Micropteropus pusillus (Peters, 1868):
SMNS: 934

NE 08004Bc:

Epomophorus gambianus (Ogilby, 1835):
USNM: 402412, 402413, 402414, 402415, 402416, 402417, 402418, 402419, 402420, 402421, 402422, 402423, 402424, 402425, 402426, 402427, 402428, 402429, 402430.
Hipposideros beatus (K. Andersen, 1906):
USNM: 576110.
Hipposideros caffer (Sundevall, 1846):
USNM: 479301, 479302, 479303, 479304, 479305, 479306, 479307, 479308, 479309, 479310, 479311, 479312, 479313, 479314, 479315, 479316, 479317, 479318, 479319, 479320, 479321, 479322, 479323, 479324, 479325, 479326, 479327, 479328, 479329, 479330, 479331, 479332, 479333, 479334, 479335, 479336, 479337, 479338, 479339, 479340, 479341, 479342, 479343, 479344, 479345, 479346, 479347, 479348, 479349, 479350, 479351, 479352, 479353, 479354, 479355, 479356, 479357, 479358, 479359, 479360, 479361, 479362, 479363, 479364, 479365, 479366, 479367, 479368, 479369, 479370, 479371, 479372, 479373, 479374, 479375, 479376, 479377, 479378, 479379, 479380, 479381, 479382, 479383, 479384, 479385, 479386, 479387, 479388, 479389, 479390, 479391, 479392, 479393, 479394, 479395.
Hipposideros tephrus (Cabrera, 1906):
USNM: 402714, 402715, 402716, 402717, 402718, 402719, 402720, 402721, 402722, 402723, 402724, 402725, 402726, 402727, 402728, 402729, 402730, 402731, 402732, 402733.
Micropteropus pusillus (Peters, 1868):
USNM: 402528, 402529, 402530, 402531, 402532, 402533, 402534, 402535, 402536, 402537, 402538, 402539, 402540.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 402673, 402674, 402675, 402676, 402677, 402678, 402679, 402680, 402681, 402683, 402685, 402686, 402687, 402688, 402689, 467730, 478717, 478718, 478719, 478720, 478721, 478722, 478723, 478724, 478725, 478726, 478727, 478728, 478729, 478730, 478731, 478732, 478733, 478734, 478735, 478736, 478737.
Nycteris hispida (Schreber, 1774):
USNM: 402690, 402691, 402692, 402693, 402694, 402695, 402696, 402697, 402698, 402699, 402700, 402701, 402702.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 402682, 402684

NE 08005Ac:

Nycteris gambiensis (K. Andersen, 1912):
BMNH: 1975.513

NE 08005Db:

Neoromicia nana (Peters, 1852):
AMNH: 209097.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 209098, 209099, 209100

NE 08007Da:

Nycteris macrotis Dobson, 1876:
BMNH: 1911.10.28.2

NE 08008Ca:

Epomophorus gambianus (Ogilby, 1835):
ZMA: MAM.18589, MAM.18590, MAM.18591, MAM.18592.
Epomops buettikoferi (Matschie, 1899):
ZMA: MAM.19084, MAM.19085, MAM.19086.
Scotophilus viridis (Peters, 1852):
ZMA: MAM.18375

NE 08008Cd:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 402832, 402833, 402834, 402835, 402836, 402837, 402838.
Epomophorus gambianus (Ogilby, 1835):
USNM: 402407, 402408

NE 08008Db:

Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.18392, MAM.18393.
Epomophorus gambianus (Ogilby, 1835):
RMNH: MAM.25368, MAM.25369, MAM.25370, MAM.25371, MAM.26311. - **ZMA:** MAM.18577, MAM.18578, MAM.18579, MAM.18580, MAM.18581, MAM.18582, MAM.18583, MAM.18584, MAM.18585, MAM.18586, MAM.18587, MAM.18588.
Epomops buettikoferi (Matschie, 1899):
ZMA: MAM.19081, MAM.19082, MAM.19083.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.18367, MAM.18368.
Micropteropus pusillus (Peters, 1868):
ZMA: MAM.19035, MAM.19036, MAM.19037, MAM.19038, MAM.19039, MAM.19040, MAM.19041, MAM.19042, MAM.19043, MAM.19044, MAM.19045, MAM.19046, MAM.19047, MAM.19048, MAM.19049, MAM.19050, MAM.19051, MAM.19052, MAM.19053, MAM.19054.
Myotis bocagii cupreolus Thomas, 1904:
ZMA: MAM.18384.
Nanonycteris veldkampii (Jentink, 1888):
ZMA: MAM.18607.
Neoromicia somalica (Thomas, 1901):
ZMA: MAM.18385, MAM.18386, MAM.18387, MAM.18388.
Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.18370.
Scotophilus leucogaster (Cretzschmar, 1826):
RMNH: MAM.25933

NE 08009Ac:

Epomops franqueti (Tomes, 1860):
ROM: 84076

NE 08012Bd:

Epomophorus gambianus gambianus (Ogilby, 1835):
ZMA: MAM.22681, MAM.22682

NE 08013Ad:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.017-M-0605, 73.017-M-0606, 73.017-M-0607, 73.017-M-0608, 73.017-M-0609, 73.017-M-0610, 73.017-M-0611, 73.017-M-0612, 73.017-M-0613, 73.017-M-0614, 73.017-M-0615, 73.017-M-0616, 73.017-M-0617, 73.017-M-0618, 73.017-M-0619, 73.017-M-0620, 73.017-M-0621.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.017-M-0135, 73.017-M-0136, 73.017-M-0137, 73.017-M-0138, 73.017-M-0139, 73.017-M-0140, 73.017-M-0141, 73.017-M-0142, 73.017-M-0143, 73.017-M-0144, 73.017-M-0145, 73.017-M-0146, 73.017-M-0147, 73.017-M-0148, 73.017-M-0149, 73.017-M-0150, 73.017-M-0151, 73.017-M-0152, 73.017-M-0284, 73.017-M-0285, 73.017-M-0286, 73.017-M-0287, 73.017-M-0288, 73.017-M-0289, 73.017-M-0290, 73.017-M-0291, 73.017-M-0292, 73.017-M-0293, 73.017-M-0294, 73.017-M-0295, 73.017-M-0296, 73.017-M-0297, 73.017-M-0298, 73.017-M-0299, 73.017-M-0300, 73.017-M-0301, 73.017-M-0302, 73.017-M-0303, 73.017-M-0304, 73.017-M-0305, 73.017-M-0306, 73.017-M-0307, 73.017-M-0308, 73.017-M-0309.
Hipposideros abae J.A. Allen, 1917:
RMCA: 73.017-M-0235.
Hipposideros caffer (Sundevall, 1846):
RMCA: 73.017-M-0236, 73.017-M-0237, 73.017-M-0238, 73.017-M-0239.
Hipposideros jonesi Hayman, 1947:
RMCA: 73.017-M-0241.
Hipposideros ruber (Noack, 1893):
RMCA: 73.017-M-0242, 73.017-M-0243.

Micropteropus pusillus (Peters, 1868):
RMCA: 73.017-M-0045, 73.017-M-0046, 73.017-M-0047, 73.017-M-0064, 73.017-M-0246, 73.017-M-0247, 73.017-M-0248, 73.017-M-0249.
Myonycteris angolensis (Bocage, 1898):
RMCA: 73.017-M-0244.
Neoromicia guineensis (Bocage, 1889):
RMCA: 73.017-M-0233.
Neoromicia nana (Peters, 1852):
RMCA: 73.017-M-0251.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 73.017-M-0320, 73.017-M-0321, 73.017-M-0322, 73.017-M-0323, 73.017-M-0324, 73.017-M-0325, 73.017-M-0326.
Scotophilus leucogaster (Cretzschmar, 1826):
RMCA: 73.017-M-0032, 73.017-M-0033, 73.017-M-0108

NE 08013Db:

Micropteropus pusillus (Peters, 1868):
RMCA: 73.017-M-0715, 73.017-M-0716, 73.017-M-0717.
Nycteris hispida (Schreber, 1774):
RMCA: 73.017-M-0109

NE 08014Ca:

Epomophorus gambianus (Ogilby, 1835):
MHNC: 32-8-969, 32-8-970.
Nycteris parisii (de Beaux, 1924):
MHNG: 1326.002

NE 08014Cb:

Chaerephon Dobson, 1874:
ZMA: MAM.23063, MAM.23064, MAM.23065, MAM.23066.
Epomophorus gambianus (Ogilby, 1835):
ZMA: MAM.23067

NE 08014Bc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 76.065-M-0019

NE 08016Da:

Chaerephon Dobson, 1874:
ZMA: MAM.13429, MAM.13430, MAM.13431, MAM.13432, MAM.13433, MAM.13434, MAM.13435, MAM.13436, MAM.13437, MAM.13438, MAM.13503.
Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 217043, 217693, 217694, 217695, 217696, 217697, 217698.
Mops (Mops) Lesson, 1842:
ZMA: MAM.13504.
Neoromicia nana (Peters, 1852):
ZMA: MAM.13502.
Nycteris hispida (Schreber, 1774):
AMNH: 217041. - **ZMA:** MAM.13383, MAM.13384, MAM.13385, MAM.13386, MAM.13387.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 217042. - **ZMA:** MAM.13388, MAM.13389, MAM.13390, MAM.13391, MAM.13392, MAM.13393, MAM.13394, MAM.13395, MAM.13396, MAM.13397, MAM.13398, MAM.13399, MAM.13400, MAM.13401, MAM.13402, MAM.13441, MAM.13442, MAM.13443, MAM.13444, MAM.13445, MAM.13446, MAM.13447, MAM.13448, MAM.13449, MAM.13450, MAM.13451, MAM.13452

NE 08020Ab:

Doryrhina cyclops (Temminck, 1853):
MNHN: ZM-MO-2000-928.
Hipposideros abae J.A. Allen, 1917:
MNHN: ZM-MO-2000-932, ZM-MO-2000-984.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-2000-986, ZM-MO-2000-987, ZM-MO-2000-988, ZM-MO-2000-989, ZM-MO-2000-990, ZM-MO-2000-991, ZM-MO-2000-992, ZM-MO-2000-993.
Neoromicia Roberts, 1926:
MNHN: ZM-MO-2000-843.
Rhinolophus fumigatus Rüppell, 1842:
MNHN: ZM-MO-2000-1000, ZM-MO-2000-1001, ZM-MO-2000-1002, ZM-MO-2000-1003, ZM-MO-2000-1004, ZM-MO-2000-1005, ZM-MO-2000-1006, ZM-MO-2000-1007, ZM-MO-2000-1008, ZM-MO-2000-866, ZM-MO-2000-867, ZM-MO-2000-868, ZM-MO-2000-870, ZM-MO-2000-884, ZM-MO-2000-994, ZM-MO-2000-995, ZM-MO-2000-996, ZM-MO-2000-997, ZM-MO-2000-998, ZM-MO-2000-999.

Scotophilus viridis (Peters, 1852):
MNHN: ZM-MO-2000-880, ZM-MO-2000-881

NE 08020Bc:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-2007-77.
Myopterus daubentonii Desmarest, 1820:
MNHN: ZM-MO-1947-234.
PTEROPODIDAE Gray, 1821:
MNHN: ZM-2007-93

NE 08020Db:

Scotophilus viridis (Peters, 1852):
BMNH: 1979.2031, 1979.2032

NE 08021Aa:

Neoromicia Roberts, 1926:
MNHN: ZM-MO-2000-844.
Rhinolophus fumigatus Rüppell, 1842:
MNHN: ZM-MO-2000-869

NE 08021Da:

Neoromicia nana (Peters, 1852):
CM: 73726

NE 08024Da:

Epomophorus labiatus (Temminck, 1837):
SMNS: 29893, 29894.
Micropteropus pusillus (Peters, 1868):
SMNS: 29836, 29837, 29838, 29853

NE 08025Bc:

Mops (Mops) condylurus (A. Smith, 1833):
MSU: MR.33445, MR.33446, MR.33502, MR.33503.
Neoromicia somalica (Thomas, 1901):
MSU: MR.33443.
Scotophilus nigrita (Schreber, 1774):
MSU: MR.33551, MR.33552

NE 08025Bd:

Epomophorus labiatus (Temminck, 1837):
MSU: MR.33401

NE 08028Cd:

Mops (Mops) midas (Sundevall, 1843):
ROM: 68215

NE 08028Bb:

Epomophorus labiatus (Temminck, 1837):
MSU: MR.33380, MR.33381, MR.33385.
Micropteropus pusillus (Peters, 1868):
MSU: MR.33387.
Scotophilus nigrita (Schreber, 1774):
MSU: MR.33550

NE 08030Ad:

Nycteris hispida (Schreber, 1774):
ZFMK: 202

NE 08034Ab:

Nycteris hispida (Schreber, 1774):
SMF: 45737, 45738

NE 08034Bc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 462766, 462767, 520905.
Eidolon helvum (Kerr, 1792):
USNM: 462720, 497602, 520895. - **ZFMK:** 1973.0035, 1973.0036.
Epomophorus gambianus (Ogilby, 1835):
SMF: 44221. - **USNM:** 462693, 497510, 497514, 497515, 497516, 497517, 497518, 520890, 520891, 520892.
Epomophorus labiatus (Temminck, 1837):
USNM: 520889.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 462741, 462742, 497604, 497605, 497606, 497607, 497608, 497722, 497723, 497724, 497725, 497726, 497727.
Micropteropus pusillus (Peters, 1868):
USNM: 462713, 462714, 462715, 462716, 462717, 462718, 462719. - **ZFMK:** 1973.0077, 1973.0078, 1973.0079, 1973.0080, 1973.0081, 1973.0082, 1973.0083, 1973.0084, 1973.0085, 1973.0086.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 520904.
Neoromicia guineensis (Bocage, 1889):
BMNH: 1970.2224, 1970.2228, 1972.4373, 1972.4373_1, 1972.4373_2. - **CM:** 52653. - **SMF:** 44832, 44833. - **ZFMK:** 1973.0022, 1973.0023, 1973.0029, 1973.0030, 1973.0031, 1973.0065.
Nycteris hispida (Schreber, 1774):
BMNH: 1970.2199. - **CM:** 52635. - **ZFMK:** 1973.0069, 1973.0070, 1973.0071, 1973.0072, 1973.0074, 1973.0075.
Nycteris macrotis Dobson, 1876:
BMNH: 1970.2197. - **ZFMK:** 1973.0076.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 520903.
Pipistrellus rusticus (Tomes, 1861):
SMF: 44830, 44831. - **ZFMK:** 1973.0024, 1973.0027, 1979.0233.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
SMF: 44837. - **USNM:** 462681.
Scotoecus hirundo (de Winton, 1899):
BMNH: 1970.2263, 1970.2263_1, 1970.2263_2, 1970.2263_3, 1970.2263_4, 1970.2263_5, 1970.2263_6, 1970.2263_7, 1970.2263_8, 1970.2264, 1970.2265, 1970.2266, 1970.2267, 1970.2268, 1970.2269, 1970.2270, 1972.4420. - **SMF:** 44834, 44835. - **USNM:** 462754, 462755, 462756, 462757.
Scotophilus dinganii (A. Smith, 1833):
ZFMK: 1973.0157, 1973.0158.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 462760, 497618, 497619, 497620, 497621.
Scotophilus viridis (Peters, 1852):
SMF: 41837, 41837-b, 41838, 41838-b. - **ZFMK:** 1973.0088, 1973.0089, 1973.0090, 1973.0092, 1973.0094, 1973.0095, 1973.0096, 1973.0097, 1973.0098, 1973.0100, 1973.0147, 1973.0148, 1973.0149, 1973.0150, 1973.0154, 1973.0155.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 520896, 520897.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 462725

NE 08035Ab:

Micropteropus pusillus (Peters, 1868):
BRTC: 58454, 58457, 58459.
Miniopterus inflatus Thomas, 1903:
BRTC: 57928

NE 08035Bc:

Epomophorus gambianus (Ogilby, 1835):
SMF: 49584. - **SMNS:** 29879.
Micropteropus pusillus (Peters, 1868):
SMF: 49576.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 49597, 49598, 49599, 49600, 49601.
Pipistrellus hesperidus (Temminck, 1840):
NMP: 92210, 92213

NE 08035Bd:

Epomophorus gambianus (Ogilby, 1835):
BRTC: 58465, 58467.
Hypsignathus monstrosus H. Allen, 1862:
BRTC: 58448.
Micropteropus pusillus (Peters, 1868):
BRTC: 58458.
Miniopterus inflatus Thomas, 1903:
BRTC: 57984, 58659, 58660.

Myonycteris angolensis (Bocage, 1898):
BRTC: 58469.
Myotis bocagii (Peters, 1870):
BRTC: 57959, 57960, 58658.
Neoromicia capensis (A. Smith, 1829):
BRTC: 57957, 57961, 57962, 57963, 57964, 57965, 57966, 57968, 57971, 57972, 57973, 57974, 57975, 57976, 57977, 57978, 57979, 57980, 57981, 58661, 58662, 58663, 58664, 58665, 58667, 58668, 58669.
Neoromicia guineensis (Bocage, 1889):
BRTC: 57967.
Pipistrellus nanulus Thomas, 1904:
BRTC: 57936.
Rhinolophus clivosus Cretzschmar, 1828:
BRTC: 57935, 57982, 57983, 57985, 57986, 57987, 57988, 57989.
Scotophilus dinganii (A. Smith, 1833):
BRTC: 57955, 57956, 57958, 57969, 57970, 58657.
Scotophilus ejetai Brooks and Bickham, 2014:
BRTC: 57950, 57954

NE 08037Ca:

Neoromicia nana (Peters, 1852):
HZM: 63.3134, 64.3135

NE 08037Cc:

Scotophilus dinganii (A. Smith, 1833):
BMNH: 1900.3.3.3

NE 08037Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1960.339

NE 08038Cc:

Myotis scotti Thomas, 1927:
BMNH: 1927.3.4.1

NE 08038Bc:

Rhinolophus clivosus Cretzschmar, 1828:
NMP: pb5549

NE 08038Dc:

Neoromicia somalica (Thomas, 1901):
NMP: pb5484.
Pipistrellus hesperidus (Temminck, 1840):
NMP: pb5476, pb5482

NE 08039Aa:

Cardioderma cor (Peters, 1872):
USNM: 462734, 462735, 462736, 462737, 462738, 462739.
Epomophorus labiatus (Temminck, 1837):
USNM: 462683, 462684, 462685, 462686, 462690, 462691, 462692, 462704, 462705, 462706, 462707, 462708, 462709, 462710, 462711, 462712.
Nycteris hispida (Schreber, 1774):
USNM: 462726, 462727, 462728, 462729, 462730, 462731, 462733.
Nycteris parisii (de Beaux, 1924):
USNM: 462732.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 462758, 462759.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 462744

NE 08039Ac:

Chaerephon nigeriae Thomas, 1913:
USNM: 462763.
Chaerephon pumilus (Cretzschmar, 1826):
BRTC: 57890, 57904, 57905. - **USNM:** 462764, 462765.
Epomophorus Bennett, 1836:
USNM: 589144, 589145, 589146.

Epomophorus labiatus (Temminck, 1837):
USNM: 462682, 462698, 462700, 462701, 462702, 497552, 497553, 497558, 497559, 497560, 497565, 497566, 497568, 497574.
Epomophorus minimus Claessen & De Vree, 1991:
CM: 52447, 52449, 52450, 52451, 52452, 52453, 52627. - **SMF:** 44226, 44227, 44230, 44231, 49572. - **SMNS:** 36067. - **USNM:** 462697, 462699, 462703, 497551, 497554, 497555, 497556, 497557, 497561, 497562, 497563, 497564, 497567, 497569, 497570, 497571, 497572, 497573, 497575.
Epomophorus minor Dobson, 1880:
CM: 74196, 74198, 74199, 74200, 74207, 74212, 74219, 74220.
Laephotis wintoni Thomas, 1901:
BMNH: 1972.4397, 1972.4397_1, 1972.4397_2, 1972.4397_3, 1972.4398, 1972.4399.
Macronycteris vittatus (Peters, 1852):
USNM: 589154.
Neoromicia capensis (A. Smith, 1829):
ZFMK: 1977.1009, 1977.1010.
Neoromicia zuluensis (Roberts, 1924):
ZFMK: 1977.0995, 1977.0996, 1977.0997.
Nycteris macrotis Dobson, 1876:
SMF: 52379, 52380.
Scotophilus dinganii (A. Smith, 1833):
USNM: 462761

NE 08039Dd:

Cardioderma cor (Peters, 1872):
SMF: 49166, 49167, 49168, 49169, 49170, 49171, 49172, 49173, 49174.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1971.646.
Rhinopoma cystops Thomas, 1903:
SMF: 49147, 49148, 49149, 49150, 49151, 49152, 49153, 49154, 49155, 49156, 49157, 49158, 49159, 49160, 49161, 49162, 49163, 49164, 49165

NE 08040Cc:

Cardioderma cor (Peters, 1872):
HNHM: 95.88.1, 95.88.2, 95.88.3, 95.88.4, 95.88.5, 95.88.6.
Rhinopoma cystops Thomas, 1903:
BMNH: 1970.403, 1970.406, 1970.409, 1970.410, 1970.411, 1970.412, 1970.413. - **HNHM:** 88.9.1.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
HNHM: 96.1.10, 96.1.11, 96.1.7, 96.1.8, 96.1.9

NE 08040Ab:

Pipistrellus hesperidus (Temminck, 1840):
NMP: 92117

NE 08043Ab:

Neoromicia capensis (A. Smith, 1829):
SMF: 49589

NE 08046Ab:

Neoromicia guineensis (Bocage, 1889):
SMF: 52383, 52384, 52385

NE 08049Ac:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MZUF: 6315, 6316, 6317, 6318, 6319, 6320

NW 07012Cc:

Hipposideros abae J.A. Allen, 1917:
USNM: 463308, 463309, 463310.
Neoromicia nana (Peters, 1852):
USNM: 463164, 463165, 463368, 463369, 463370, 463371, 463372, 463373, 463374, 463375, 463376, 463377, 463378, 463379, 463380.
Neoromicia rendalli (Thomas, 1889):
USNM: 463381.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 463382, 463383, 463384

NW 07012Da:

Eidolon helvum (Kerr, 1792):
BMNH: 1953.601, 1959.200.
Epomophorus gambianus (Ogilby, 1835):
ROM: 51049.
Neoromicia nana (Peters, 1852):
NMBE: 1014526a, 1014526b, 1014526c, 1014526d.
Neoromicia tenuipinnis (Peters, 1872):
BMNH: 1954.917.
Nycteris hispida (Schreber, 1774):
BMNH: 1953.596, 1953.597. - **NMBE:** M.114 A-1, M.114 A-2.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1950.1907. - **ROM:** 50.1907

NW 07012Db:

Eidolon helvum helvum (Kerr, 1792):
ROM: 51050

NW 07011Cc:

Epomophorus gambianus (Ogilby, 1835):
MSU: MR.15221

NW 07011Dd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1956.35

NW 07010Aa:

Rousettinae Andersen, 1912:
RMCA: 74.008-M-0003

NW 07010Ac:

Neoromicia nana (Peters, 1852):
FMNH: 34154. - **MCZ:** 24338, 28538.
Saccolaimus peli (Temminck, 1853):
MCZ: 28537

NW 07010Ab:

Casinycteris ophiodon (Pohle, 1943):
RMCA: 80.043-M-0011, 80.043-M-0012.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 80.043-M-0016.
Epomops buettikoferi (Matschie, 1899):
RMCA: 80.043-M-0013, 80.043-M-0014, 80.043-M-0015, 80.043-M-0017, 80.043-M-0018, 80.043-M-0019.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
RMCA: 80.043-M-0008, 80.043-M-0009.
Myonycteris leptodon K. Andersen, 1908:
RMCA: 80.043-M-0005.
Scotonycteris occidentalis Hayman, 1947:
RMCA: 80.043-M-0001

NW 07010Db:

Epomops buettikoferi (Matschie, 1899):
RMCA: 36266, 74.010-M-0003.
Epomops franqueti (Tomes, 1860):
USNM: 545600.
Micropteropus pusillus (Peters, 1868):
RMCA: 36268.
Mimetillus moloneyi (Thomas, 1891):
USNM: 545601, 545602, 545603.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 545604, 545605, 545606, 545607, 545608, 545609, 545610, 545611, 545612.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
USNM: 545613.
Mops (Xiphonycteris) thersites (Thomas, 1903):
USNM: 545614, 545615, 545616, 545617, 545618, 545619, 545620, 545621, 545622.
Myonycteris leptodon K. Andersen, 1908:
RMCA: 36267

NW 07010Dd:

Hipposideros ruber (Noack, 1893):
USNM: 462818, 462819, 462820, 462821, 462822, 462823, 462824, 462825, 462826, 462827, 462828, 462829, 462830, 462831, 462832, 462833, 462834, 462835, 462836, 462837, 462838, 462839, 462840, 462841, 462842, 462843, 462844, 462845.
Neoromicia brunnea (Thomas, 1880):
USNM: 462849.
Neoromicia somalica (Thomas, 1901):
USNM: 463091.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 462853.
Nycteris macrotis Dobson, 1876:
USNM: 462816, 462817

NW 07011Aa:

Neoromicia tenuipinnis (Peters, 1872):
RMCA: 87.050-M-0001

NW 07009Aa:

Hipposideros caffer (Sundevall, 1846):
BMNH: 1979.497.
Hipposideros ruber (Noack, 1893):
BMNH: 1979.497_1, 1979.497_2, 1979.497_3

NW 07009Ac:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-2012-263, ZM-2012-264, ZM-2012-265, ZM-2012-266, ZM-2012-267, ZM-2012-268, ZM-2012-269, ZM-2012-270, ZM-2012-271, ZM-2012-272, ZM-2012-273, ZM-2012-274, ZM-2012-275, ZM-2012-276, ZM-2012-277, ZM-2012-278.
Epomops buettikoferi (Matschie, 1899):
MNHN: ZM-2012-316, ZM-2012-317, ZM-2012-318, ZM-2012-319, ZM-2012-320, ZM-2012-321, ZM-2012-322, ZM-2012-323, ZM-2012-324, ZM-2012-325, ZM-2012-326, ZM-2012-327, ZM-2012-328, ZM-2012-329, ZM-2012-330, ZM-2012-331, ZM-2012-332, ZM-2012-333, ZM-2012-334, ZM-2012-335, ZM-2012-336, ZM-2012-337, ZM-2012-338, ZM-2012-339, ZM-2012-340, ZM-2012-341, ZM-2012-342, ZM-2012-343, ZM-2012-344, ZM-2012-345, ZM-2012-346.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-2012-369.
Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-2012-371.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-2012-377, ZM-2012-378.
Myonycteris leptodon K. Andersen, 1908:
MNHN: ZM-2012-462, ZM-2012-463, ZM-2012-464.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-2012-519, ZM-2012-520, ZM-2012-521, ZM-2012-522, ZM-2012-523, ZM-2012-524

NW 07009Ca:

Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-1156, ZM-MO-1985-1157, ZM-MO-1985-1158, ZM-MO-1985-1159.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1985-1160, ZM-MO-1985-1161

NW 07009Cc:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-2012-261, ZM-2012-262.
Epomops buettikoferi (Matschie, 1899):
MNHN: ZM-2012-296, ZM-2012-297, ZM-2012-298, ZM-2012-299, ZM-2012-300, ZM-2012-301, ZM-2012-302, ZM-2012-303, ZM-2012-304, ZM-2012-305, ZM-2012-306, ZM-2012-307, ZM-2012-308, ZM-2012-309, ZM-2012-310, ZM-2012-311, ZM-2012-312, ZM-2012-313, ZM-2012-314, ZM-2012-315.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-2012-368.
Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-2012-370.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-2012-376.
Myonycteris leptodon K. Andersen, 1908:
MNHN: ZM-2012-461.
Nanonycteris veldkampii (Jentink, 1888):
MNHN: ZM-2012-484, ZM-2012-485.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-2012-508, ZM-2012-509, ZM-2012-510, ZM-2012-511, ZM-2012-512, ZM-2012-513, ZM-2012-514, ZM-2012-515, ZM-2012-516, ZM-2012-517, ZM-2012-518

NW 07009Ab:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-2012-279, ZM-2012-280, ZM-2012-281, ZM-2012-282, ZM-2012-283, ZM-2012-284.
Epomops buettikoferi (Matschie, 1899):
MNHN: ZM-2012-347, ZM-2012-348, ZM-2012-349, ZM-2012-350, ZM-2012-351, ZM-2012-352, ZM-2012-353, ZM-2012-354, ZM-2012-355, ZM-2012-356, ZM-2012-357, ZM-2012-358, ZM-2012-359, ZM-2012-360, ZM-2012-361, ZM-2012-362, ZM-2012-363, ZM-2012-364, ZM-2012-365, ZM-2012-366.
Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-2012-372, ZM-2012-373.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
MNHN: ZM-2012-389, ZM-2012-390, ZM-2012-391, ZM-2012-392, ZM-2012-393.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-2012-379, ZM-2012-380, ZM-2012-381, ZM-2012-382, ZM-2012-383, ZM-2012-384, ZM-2012-385, ZM-2012-386, ZM-2012-387, ZM-2012-388.
Myonycteris leptodon K. Andersen, 1908:
MNHN: ZM-2012-465, ZM-2012-466, ZM-2012-467, ZM-2012-468, ZM-2012-469, ZM-2012-470, ZM-2012-471, ZM-2012-472, ZM-2012-473, ZM-2012-474, ZM-2012-475.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-2012-525, ZM-2012-526, ZM-2012-527, ZM-2012-528, ZM-2012-529, ZM-2012-530, ZM-2012-531, ZM-2012-532, ZM-2012-533, ZM-2012-534.
Scotonycteris occidentalis Hayman, 1947:
MNHN: ZM-2012-545, ZM-2012-546, ZM-2012-547

NW 07009Cd:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 35762.
Hipposideros ruber (Noack, 1893):
AMNH: 276104, 276105.
Nycteris macrotis Dobson, 1876:
AMNH: 276100

NW 07009Ba:

Doryrhina cyclops (Temminck, 1853):
RMCA: 80.043-M-0010.
Glauconycteris poensis (Gray, 1842):
AMNH: 276138.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
AMNH: 276103.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 276131.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
AMNH: 276106, 276107, 276108, 276109, 276110, 276111, 276112, 276113, 276114, 276115, 276116, 276117, 276118, 276119, 276120, 276121, 276122, 276123, 276139.
Myonycteris leptodon K. Andersen, 1908:
AMNH: 276091, 276092, 276093, 276094, 276095, 276096, 276097, 276098. - **RMCA:** 80.043-M-0006.
Nycteris arge Thomas, 1903:
MCZ: 24151.
Nycteris macrotis Dobson, 1876:
AMNH: 276099.
Scotonycteris occidentalis Hayman, 1947:
RMCA: 80.043-M-0002, 80.043-M-0003, 80.043-M-0004

NW 07009Da:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 36295.
Epomops buettikoferi (Matschie, 1899):
RMCA: 36294.
Epomops franqueti (Tomes, 1860):
RMCA: 35758, 36292, 36293, 36296, 36297.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 36299.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
RMCA: 36301.
Micropteropus pusillus (Peters, 1868):
RMCA: 36300.
Myonycteris leptodon K. Andersen, 1908:
RMCA: 36298.

Nanonycteris veldkampii (Jentink, 1888):
RMCA: 36302

NW 07009Bb:

Hipposideros beatus (K. Andersen, 1906):
MCZ: 24329, 28523

NW 07009Bd:

Eidolon helvum (Kerr, 1792):
RMCA: 36289, 36291.
Rousettinae Andersen, 1912:
RMCA: 36290

NW 07009Db:

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
RMCA: 36303

NW 07008Ac:

Epomops buettikoferi (Matschie, 1899):
ORSTOM: A9465, A9496, A9501.
Glauconycteris superba Hayman, 1939:
RMCA: 97.077-M-7719.
Hipposideros ruber (Noack, 1893):
RMCA: 34868.
Nanonycteris veldkampii (Jentink, 1888):
ZMA: MAM.18045.
Neoromicia nana (Peters, 1852):
RMCA: 34858.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 34865.
Nycteris macrotis Dobson, 1876:
RMCA: 34869.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.18879, MAM.18880, MAM.18881, MAM.18882, MAM.18883, MAM.18884, MAM.18885, MAM.18886, MAM.18887, MAM.18888, MAM.18889, MAM.18890, MAM.18891, MAM.18892, MAM.18893, MAM.18894, MAM.18895, MAM.18896, MAM.18897, MAM.18898, MAM.18899, MAM.18900, MAM.18901, MAM.18902, MAM.18903, MAM.18904, MAM.18905, MAM.18906, MAM.18907, MAM.18908, MAM.18909, MAM.18910, MAM.18911, MAM.18912, MAM.18913, MAM.18914, MAM.18915, MAM.18916, MAM.18979, MAM.18980, MAM.18981, MAM.18982, MAM.18983, MAM.18984, MAM.18985, MAM.18986, MAM.18987, MAM.18988, MAM.18989, MAM.18990, MAM.18991, MAM.18992, MAM.18993, MAM.18994, MAM.18995, MAM.18996, MAM.18997, MAM.18998, MAM.18999, MAM.19000, MAM.19001, MAM.19002, MAM.19003, MAM.19004, MAM.19005, MAM.19006, MAM.19007, MAM.19008, MAM.19009, MAM.19010, MAM.19011, MAM.19012, MAM.19013, MAM.19014, MAM.19015, MAM.19016, MAM.19017, MAM.19018, MAM.19019, MAM.19020, MAM.19021, MAM.19022, MAM.19023.
Scotonycteris occidentalis Hayman, 1947:
ZMA: MAM.18039

NW 07008Ad:

Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1975-852

NW 07008Cb:

Doryrhina cyclops (Temminck, 1853):
MNHN: ZM-MO-1985-1125.
Hipposideros beatus (K. Andersen, 1906):
MNHN: ZM-MO-1985-1732, ZM-MO-1985-1733.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1981-1211, ZM-MO-1981-1212, ZM-MO-1981-1213, ZM-MO-1981-1214, ZM-MO-1981-1215, ZM-MO-1981-1216.
Hipposideros fuliginosus (Temminck, 1853):
MNHN: ZM-MO-1985-785, ZM-MO-1985-790.
Hipposideros lamottei Brosset, 1985:
MHNG: |TS480|, 1626.036, 1626.037, 1626.038. - **MNHN:** ZM-MO-1984-487, ZM-MO-1984-488, ZM-MO-1984-489.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1984-490, ZM-MO-1984-491, ZM-MO-1985-1126, ZM-MO-1985-1127, ZM-MO-1985-1128, ZM-MO-1985-1129, ZM-MO-1985-1130, ZM-MO-1985-1131, ZM-MO-1985-1132, ZM-MO-1985-1133, ZM-MO-1985-1134, ZM-MO-1985-1135, ZM-MO-1985-1136, ZM-MO-1985-1137, ZM-MO-1985-1138, ZM-MO-1985-1139, ZM-MO-1985-1140, ZM-MO-1985-1141, ZM-MO-1985-1142, ZM-MO-1985-1730, ZM-MO-1985-1731, ZM-MO-1985-1734, ZM-MO-1985-815.
Kerivoula lanosa (A. Smith, 1847):
MNHN: ZM-MO-1981-1209.

Mimetillus moloneyi (Thomas, 1891):
MNHN: ZM-MO-1985-1150, ZM-MO-1985-1151, ZM-MO-1985-1152, ZM-MO-1985-1153, ZM-MO-1985-1154.
MOLOSSIDAE Gervais, 1856:
MNHN: ZM-MO-1994-131.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1985-1602.
Myonycteris angolensis smithii (Thomas, 1908):
RBINS: 16116, 16117, 16118, 16119, 16120, 16121, 16756.
Myonycteris leptodon K. Andersen, 1908:
MNHN: ZM-MO-1992-167, ZM-MO-1992-168, ZM-MO-1992-169, ZM-MO-1992-170. - **RBINS:** 16848.
Nanonycteris veldkampii (Jentink, 1888):
RBINS: 16050, 16059, 16078.
Neoromicia guineensis (Bocage, 1889):
MNHN: ZM-MO-1977-559, ZM-MO-1981-1207, ZM-MO-1985-1148, ZM-MO-1985-1149.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-1146, ZM-MO-1985-1147, ZM-MO-1985-1162.
Nycteris arge Thomas, 1903:
MNHN: ZM-MO-1985-1145.
Nycteris grandis Peters, 1865:
MNHN: ZM-MO-1985-1116.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1985-1144, ZM-MO-1985-1715, ZM-MO-1985-1716, ZM-MO-1985-297.
Nycteris intermedia Aellen, 1959:
MNHN: ZM-2015-1357, ZM-MO-1985-1143.
Rhinolophus guineensis Eisentraut, 1960:
MNHN: ZM-MO-1985-1516, ZM-MO-1985-1517.
Rhinolophus hillorum Koopman, 1989:
MNHN: ZM-MO-1985-1520.
Rhinolophus simulator K. Andersen, 1904:
MNHN: ZM-MO-1985-1522, ZM-MO-1985-1523, ZM-MO-1985-1524, ZM-MO-1985-1525, ZM-MO-1985-1526, ZM-MO-1985-1527, ZM-MO-1985-1528.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1985-1112, ZM-MO-1985-1113, ZM-MO-1985-1114, ZM-MO-1985-30, ZM-MO-1985-31. - **RBINS:** 16107, 16108, 16112, 16757.
Scotophilus Leach, 1821:
MNHN: ZM-MO-1981-1210

NW 07008Bc:

Chaerephon major (Trouessart, 1897):
RMCA: 80.036-M-0034, 80.036-M-0035, 80.036-M-0036, 80.036-M-0037, 80.036-M-0038, 80.036-M-0069.
Eidolon helvum (Kerr, 1792):
RBINS: 16082.
Epomophorus gambianus (Ogilby, 1835):
AMNH: 257012, 257013.
Glauconycteris poensis (Gray, 1842):
AMNH: 257094.
Hipposideros ruber (Noack, 1893):
RMCA: 80.036-M-0027, 80.036-M-0028, 80.036-M-0029.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
AMNH: 257040.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1987-8, ZM-MO-1987-9.
Myonycteris angolensis smithii (Thomas, 1908):
RBINS: 16755.
Myonycteris leptodon K. Andersen, 1908:
AMNH: 257000. - **MNHN:** ZM-MO-1987-10, ZM-MO-1987-11, ZM-MO-1987-12, ZM-MO-1987-13, ZM-MO-1987-15, ZM-MO-1987-16, ZM-MO-1987-17, ZM-MO-1987-18, ZM-MO-1987-19, ZM-MO-1987-20, ZM-MO-1987-21, ZM-MO-1987-22, ZM-MO-1987-23. - **RMCA:** 80.036-M-0001.
Nanonycteris veldkampii (Jentink, 1888):
MNHN: ZM-MO-1987-2, ZM-MO-1987-3, ZM-MO-1987-4, ZM-MO-1987-5, ZM-MO-1987-6. - **RBINS:** 16044, 16045, 16046, 16047, 16049, 16052, 16053, 16054, 16055, 16056, 16057, 16058, 16060, 16061, 16063, 16064, 16065, 16068, 16069, 16070, 16071, 16072, 16073, 16074, 16075, 16076, 16079, 16080, 16081. - **RMCA:** 80.036-M-0009, 80.036-M-0010, 80.036-M-0011, 80.036-M-0012, 80.036-M-0013, 80.036-M-0014.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1992-174.
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013:
DNSM: 12617.
Nycteris arge Thomas, 1903:
BMNH: 1979.458.
Nycteris grandis Peters, 1865:
BMNH: 1979.454, 1979.455. - **RBINS:** 16784.
Nycteris macrotis Dobson, 1876:
BMNH: 1979.456.

Pipistrellus nanulus Thomas, 1904:
BMNH: 1979.508.
Scotonycteris occidentalis Hayman, 1947:
MNHN: ZM-MO-1987-1, ZM-MO-1992-171. - **RBINS:** 16084, 16086, 16087, 16088.
Scotophilus nux Thomas, 1904:
BMNH: 1979.513, 1979.513_1, 1979.513_2

NW 07008Da:

Casinycteris ophiodon (Pohle, 1943):
BMNH: 1979.444, 1979.445, 1979.446, 1979.447, 1979.448.
Epomophorus Bennett, 1836:
MNHN: ZM-MO-1992-164, ZM-MO-1992-165, ZM-MO-1992-166.
Epomops buettikoferi (Matschie, 1899):
BMNH: 1967.1433, 1967.1434, 1967.1435. - **MNHN:** ZM-MO-1987-7. - **RBINS:** 16093, 16094, 16095, 16096, 16097, 16098, 16099, 16100, 16101, 16102, 16103.
Glauconycteris Dobson, 1875:
DNSM: 13218.
Glauconycteris poensis (Gray, 1842):
DNSM: 14186, 14187, 14188.
Hipposideros Gray, 1831:
MNHN: ZM-MO-1992-173 A, ZM-MO-1992-173 B.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1992-172.
Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1967.1431, 1967.1432. - **RBINS:** 16083, 16743.
Hypsugo crassulus (Thomas, 1904):
DNSM: 12616, 13221, 13222.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
MNHN: ZM-GAN005. - **RBINS:** 16090, 16091, 16092.
Micropteropus pusillus (Peters, 1868):
SMF: 87661, 87682.
Mormopterus acetabulosus (Hermann, 1804):
BMNH: 1979.444_1, 1979.444_2, 1979.444_3, 1979.444_4, 1979.444_5.
Myonycteris leptodon K. Andersen, 1908:
AMS: M.31787. - **BMNH:** 1967.1436, 1967.1437, 1967.1438, 1967.1439, 1967.1440, 1967.1441, 1967.1442, 1967.1443, 1967.1444, 1967.1445, 1967.1446, 1967.1447, 1967.1448, 1967.1449, 1967.1450. - **RBINS:** 16798, 16799, 16800, 16801, 16802, 16803, 16804, 16805, 16806, 16807, 16808, 16809, 16810, 16811, 16812, 16813, 16814, 16815, 16816, 16817, 16818, 16819, 16820, 16821, 16822, 16823, 16824, 16825, 16826, 16827, 16828, 16829, 16831, 16832, 16833, 16834, 16835, 16836, 16837, 16838, 16839, 16840, 16841, 16842, 16843, 16844, 16845, 16846, 16847, 16849, 16850, 16851, 16852, 16853, 16854, 16855, 16856, 16857, 16858, 16859, 16860, 16861, 16862, 16863, 16864, 16865, 16866, 16867, 16868, 16869, 16870, 16871, 16872, 16873, 16874, 16875, 16876, 16877, 16878, 16879, 16880, 16881, 16882, 16883, 16884, 16885, 16886, 16887, 16888, 16889, 16890, 16891, 16892, 16893, 16894, 16895, 16896, 16897, 16898, 16899, 16910, 16911, 16912, 16913, 16914, 16915, 16916, 16917, 16918, 16919, 16920, 16921, 16922, 16923, 16924, 16925, 16926, 16927, 16928.
Neoromicia Roberts, 1926:
DNSM: 13225.
Neoromicia brunnea (Thomas, 1880):
DNSM: 13223, 13224, 13227, 13228, 13229, 13232, 13250 bis.
Neoromicia capensis (A. Smith, 1829):
RBINS: 16786.
Neoromicia isabella Decher, Hutterer and Monadjem, 2016:
DNSM: 12619.
Neoromicia nana (Peters, 1852):
DNSM: 12594.
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013:
DNSM: 13226.
Neoromicia somalica (Thomas, 1901):
DNSM: 12612.
Neoromicia tenuipinnis (Peters, 1872):
DNSM: 13235.
Nycteris arge Thomas, 1903:
BMNH: 1967.1458, 1967.1459, 1967.1460.
Nycteris grandis Peters, 1865:
BMNH: 1979.453.
Nycteris hispida (Schreber, 1774):
DNSM: 12611.
Nycteris macrotis Dobson, 1876:
DNSM: 12597.
Pipistrellus grandidieri (Dobson, 1876):
DNSM: 13220.
Pipistrellus hesperidus (Temminck, 1840):
BMNH: 1979.509, 1979.509_1, 1979.509_2, 1979.512.
Pipistrellus nanulus Thomas, 1904:
DNSM: 13230, 13234.

Rhinolophus guineensis Eisentraut, 1960:
DNSM: 13214, 14088.
Rhinolophus landeri Martin, 1838:
DNSM: 12593.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RBINS: 16104, 16105

NW 07008Bb:

Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1981-1218, ZM-MO-1981-1219

NW 07008Bd:

Nycteris arge Thomas, 1903:
BMNH: 1979.457.
Pipistrellus nanulus Thomas, 1904:
AMNH: 257055

NW 07007Aa:

Hypsignathus monstrosus H. Allen, 1862:
ORSTOM: A9242, A9243. - **USNM:** 465745, 465746, 465748, 465749, 465750, 465752, 465754, 465755, 465756, 465757, 465760. - **ZMA:** MAM.16523, MAM.16524

NW 07007Da:

Epomops buettikoferi (Matschie, 1899):
FMNH: 105294, 105299, 105301.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
FMNH: 105262.
Myonycteris angolensis smithii (Thomas, 1908):
FMNH: 105261, 105298, 105300.
Rhinolophus landeri Martin, 1838:
FMNH: 105326.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 105295, 105296, 105297

NW 07006Cc:

Micropteropus pusillus (Peters, 1868):
USNM: 454433.
Nycteris macrotis Dobson, 1876:
USNM: 454465

NW 07005Ca:

Doryrhina cyclops (Temminck, 1853):
FMNH: 99038, 99039, 99040.
Eidolon helvum (Kerr, 1792):
ORSTOM: 13.747.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1911-818.
Epomophorus gambianus gambianus (Ogilby, 1835):
FMNH: 99034, 99035, 99036, 99037.
Epomops franqueti (Tomes, 1860):
RMCA: 97.079-M-0945.
Hipposideros tephrus (Cabrera, 1906):
FMNH: 99041, 99042.
Micropteropus pusillus (Peters, 1868):
AMNH: 241024. - **FMNH:** 99032, 99033.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 99043.
Scotophilus viridis (Peters, 1852):
MNHN: ZM-MO-1911-817

NW 07004Dc:

Epomophorus gambianus (Ogilby, 1835):
USNM: 467846, 467847, 467848.
Micropteropus pusillus (Peters, 1868):
USNM: 467908.

Myonycteris angolensis smithii (Thomas, 1908):
USNM: 467718, 467719, 467720, 467723, 467724, 467725, 467726, 467727, 467734, 467735, 467736, 467739, 467740, 467741, 467742, 467744, 467745, 467746, 467747, 467748, 467750, 467752, 467753, 467754, 467755, 467757, 467759, 467760.
Neoromicia guineensis (Bocage, 1889):
USNM: 468170, 468171, 468172, 468173.
Nycteris macrotis Dobson, 1876:
USNM: 467925

NW 07005Cc:

Epomophorus gambianus (Ogilby, 1835):
CM: 69136. - **HZM:** 31.12137, 34.12140

NW 07002Aa:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 52050.
Neoromicia nana (Peters, 1852):
ROM: 52053, 52054, 52055.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 52056.
Nycteris grandis Peters, 1865:
ROM: 52051.
Rhinolophus alcyone Temminck, 1853:
ROM: 52052

NW 07002Ca:

Chaerephon leucogaster (A. Grandidier, 1869):
ROM: 49103, 52045, 62353.
Chaerephon major (Trouessart, 1897):
ROM: 51640, 51641, 51642, 51643, 51644, 51645, 51646, 52046, 52047, 62351, 62352. - **USNM:** 420089, 420090, 420091, 420092, 420093, 420094, 420095, 420096, 420097, 420098.
Doryrhina cyclops (Temminck, 1853):
ROM: 62356. - **USNM:** 414980, 414981, 414982, 479425.
Epomophorus gambianus (Ogilby, 1835):
ROM: 62357.
Epomops franqueti (Tomes, 1860):
USNM: 414740, 414741, 414742, 414743, 414744, 414745, 414746, 414747, 414748, 414749, 414750, 414751, 576104.
Glauconycteris beatrix Thomas, 1901:
USNM: 420078.
Hipposideros caffer (Sundevall, 1846):
ROM: 52038.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 56517. - **USNM:** 414781, 414782, 414783.
Micropteropus pusillus (Peters, 1868):
USNM: 414760.
Myonycteris angolensis (Bocage, 1898):
USNM: 414695.
Myonycteris angolensis smithii (Thomas, 1908):
ROM: 62354.
Neoromicia guineensis (Bocage, 1889):
USNM: 414983.
Neoromicia nana (Peters, 1852):
ROM: 62358.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
USNM: 414689, 414690, 414691, 414692, 414693, 414694.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 52048.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
AMNH: 233872, 233873, 233874.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 52039, 52040, 52041, 52042, 52043, 52044

NW 07002Bd:

Nycteris hispida (Schreber, 1774):
BMNH: 1966.6611, 1966.6612, 1966.6613

NW 07001Ca:

Chaerephon aloysiisabaudiae (Festa, 1907):
USNM: 425000, 435001, 435002, 435003, 435005, 435006, 435007.

Chaerephon major (Trouessart, 1897):
USNM: 424975, 424976, 424977, 424978, 424979, 424980, 424981, 424982, 424983, 424984, 424985, 424986, 424987, 424988.
Chaerephon nigeriae nigeriae Thomas, 1913:
USNM: 424999.
Eidolon helvum (Kerr, 1792):
USNM: 424823, 424824.
Epomops franqueti (Tomes, 1860):
USNM: 424741.
Micropteropus pusillus (Peters, 1868):
USNM: 424776, 424777, 424778, 424779, 424780, 424781, 424782, 424783, 424784.
Mimetillus moloneyi (Thomas, 1891):
USNM: 424866, 424867, 424868, 424869.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 424989, 424990, 424991, 424992, 424993, 424994, 424995, 424996, 424997, 424998, 435004.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 424939, 424940, 424941, 424942, 424943, 424944, 424945, 424946.
Myonycteris angolensis (Bocage, 1898):
USNM: 424660.
Nanonycteris veldkampii (Jentink, 1888):
USNM: 424797, 424798, 424799, 424800, 424801, 424802, 424803, 424804, 424805, 424806, 424807, 424808, 424809, 424810, 424811, 424812, 424813, 424814, 424815, 424816, 424817, 424818, 424819, 424820.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
USNM: 424659

NW 07001Ab:

Chaerephon leucogaster (A. Grandidier, 1869):
ROM: 51630.
Doryrhina cyclops (Temminck, 1853):
ROM: 49097, 49098, 49099, 62341, 62342.
Eidolon helvum helvum (Kerr, 1792):
ROM: 70534, 70535, 70536, 70537, 70538, 70539, 70540.
Hipposideros caffer (Sundevall, 1846):
ROM: 51648, 62137, 62138, 62139, 62141, 62142, 62144, 62145, 62146, 62147, 62149, 62151, 62177.
Hipposideros jonesi Hayman, 1947:
ROM: 51647.
Neoromicia nana (Peters, 1852):
ROM: 51631.
Nycteris hispida (Schreber, 1774):
BMNH: 1937.8.12.5

NW 07000Cc:

Epomophorus gambianus (Ogilby, 1835):
ZMB: 10009, 10010, 10170/17171, 53875, 67065.
Epomops franqueti (Tomes, 1860):
ZMB: 53874, 54361, 54365, 54518, 8945, 8946.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ZMB: 67253.
Micropteropus pusillus (Peters, 1868):
ZMB: 10054.
Nanonycteris veldkampii (Jentink, 1888):
ZMB: 10039.
Neoromicia rendalli (Thomas, 1889):
ZMB: 55517.
Scotophilus dinganii (A. Smith, 1833):
ZMB: 54357

NW 07000Db:

Eidolon helvum (Kerr, 1792):
USNM: 424835, 424836, 424837, 424838.
Hipposideros tephrus (Cabrera, 1906):
USNM: 424849, 424850, 424851.
Nycteris hispida (Schreber, 1774):
USNM: 424848

NW 07000Dd:

Nycteris hispida (Schreber, 1774):
BMNH: 1937.8.12.3, 1937.8.12.4

NE 07000Ab:

Nycteris macrotis Dobson, 1876:
RMNH: MAM.28517, MAM.28518

NE 07000Cb:

Hipposideros caffer (Sundevall, 1846):
ROM: 62041, 62042, 62043, 62044, 62045, 62046, 62047, 62048, 62049, 62051, 62052, 62053, 62054, 62055, 62056, 62057, 62058.
Hipposideros ruber (Noack, 1893):
AMNH: 233897, 233898. - **SMF:** 89671, 89672, 92132.
Micropteropus pusillus (Peters, 1868):
USNM: 590070, 590071

NE 07000Ba:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.013-M-0881, 73.013-M-0882.
Eidolon helvum (Kerr, 1792):
RMCA: 73.013-M-0728, 73.013-M-0729. - **RMNH:** MAM.22958.
Epomops franqueti (Tomes, 1860):
RMCA: 73.013-M-0674, 73.013-M-0675, 73.013-M-0676, 73.013-M-0677, 73.013-M-0678, 73.013-M-0679, 73.013-M-0680, 73.013-M-0681.
Hipposideros ruber (Noack, 1893):
SMF: 92131.
Macronycteris gigas (Wagner, 1845):
SMF: 92135.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.013-M-0662, 73.013-M-0663, 73.013-M-0664, 73.013-M-0665, 73.013-M-0666, 73.013-M-0667, 73.013-M-0668, 73.013-M-0669.
Myotis bocagii (Peters, 1870):
RMCA: 73.013-M-0244. - **SMF:** 89673, 92136.
Nycteris arge Thomas, 1903:
SMF: 92126

NE 07000Da:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.009-M-0462, 73.009-M-0463, 73.009-M-0464, 73.009-M-0465, 73.009-M-0466, 73.009-M-0522, 73.009-M-0523, 73.009-M-0524, 73.009-M-0525, 73.009-M-0526, 73.009-M-0527, 73.009-M-0528, 73.009-M-0529, 73.009-M-0530, 73.009-M-0531, 73.009-M-0532, 73.009-M-0533, 73.009-M-0534, 73.009-M-0535, 73.009-M-0536, 73.009-M-0537, 73.011-M-1021.
Epomops franqueti (Tomes, 1860):
RMCA: 73.009-M-0230, 73.009-M-0231, 73.009-M-0232, 73.009-M-0233, 73.009-M-0234, 73.009-M-0285, 73.009-M-0286, 73.009-M-0287, 73.009-M-0288, 73.009-M-0289, 73.009-M-0290, 73.009-M-0291, 73.009-M-0292, 73.009-M-0293, 73.009-M-0294, 73.009-M-0295, 73.009-M-0296, 73.009-M-0503, 73.011-M-0454, 73.011-M-0625, 73.011-M-0626.
Hipposideros ruber (Noack, 1893):
RMCA: 73.009-M-0310.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.009-M-0319, 73.009-M-0320, 73.009-M-0321, 73.009-M-0322, 73.009-M-0323, 73.009-M-0324, 73.009-M-0325, 73.009-M-0326, 73.009-M-0327, 73.009-M-0328, 73.009-M-0329, 73.009-M-0330, 73.009-M-0331, 73.009-M-0332, 73.009-M-0333, 73.009-M-0334, 73.009-M-0335, 73.009-M-0336, 73.009-M-0337, 73.009-M-0338, 73.009-M-0339, 73.009-M-0340, 73.009-M-0341, 73.009-M-0342, 73.009-M-0343, 73.009-M-0344, 73.009-M-0345, 73.009-M-0346, 73.009-M-0347, 73.009-M-0348, 73.009-M-0349, 73.009-M-0350, 73.009-M-0351, 73.009-M-0352, 73.009-M-0353, 73.009-M-0354, 73.009-M-0355, 73.009-M-0356, 73.009-M-0357, 73.009-M-0358, 73.009-M-0359, 73.009-M-0360, 73.009-M-0361, 73.009-M-0362, 73.009-M-0363, 73.009-M-0364, 73.009-M-0365, 73.009-M-0366, 73.009-M-0367, 73.009-M-0368, 73.009-M-0369, 73.009-M-0370, 73.009-M-0371, 73.009-M-0372, 73.009-M-0373, 73.009-M-0374, 73.009-M-0375, 73.009-M-0376, 73.009-M-0497, 73.009-M-0498, 73.009-M-0499, 73.009-M-0500, 73.009-M-0501, 73.009-M-0580, 73.011-M-0473, 73.011-M-0474, 73.011-M-0475, 73.011-M-0476, 73.011-M-0477, 73.011-M-0478, 73.011-M-0479, 73.011-M-0480, 73.011-M-0481.
Myonycteris angolensis (Bocage, 1898):
RMCA: 73.009-M-0426, 73.009-M-0427, 73.009-M-0428, 73.009-M-0429, 73.009-M-0504, 73.009-M-0505, 73.009-M-0506.
Myonycteris leptodon K. Andersen, 1908:
RMCA: 73.009-M-0417.
Neoromicia nana (Peters, 1852):
RMCA: 73.009-M-0424.
Nycteris hispida (Schreber, 1774):
RMCA: 73.009-M-0077.
Pipistrellus nanulus Thomas, 1904:
RMCA: 73.009-M-0423

NE 07000Bb:

Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1975-776.

Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1984-1507, ZM-MO-1985-822.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-1984-1506

NE 07000Bd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.054-M-1728, 73.054-M-1729, 73.054-M-1730. - **USNM:** 437895, 437896, 437897, 437898, 437899, 437900, 437901, 437902, 437903, 437904, 437905, 437906, 437907, 437908, 437909, 437910, 437911, 437912, 437913, 437914, 439095, 480096, 480097, 480098, 480099, 480100, 480165, 576117.
Doryrhina cyclops (Temminck, 1853):
USNM: 437731.
Eidolon helvum (Kerr, 1792):
USNM: 437598.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.054-M-0174, 73.054-M-0175, 73.054-M-0176, 73.054-M-0177, 73.054-M-0178, 73.054-M-0179, 73.054-M-0180, 73.054-M-0181, 73.054-M-1827, 73.054-M-1829, 73.054-M-1830, 73.054-M-1831, 73.054-M-1832, 73.054-M-1833, 73.054-M-1834, 73.054-M-1835, 73.054-M-1836, 73.054-M-1837, 73.054-M-1838, 73.054-M-1876, 73.054-M-1880, 73.054-M-1881, 73.054-M-1882, 73.054-M-1883, 73.054-M-1884, 73.054-M-2033, 73.054-M-2034, 73.054-M-2035, 73.054-M-2036, 73.054-M-2040, 73.054-M-2041, 73.054-M-2042, 73.054-M-2043, 73.054-M-2044, 73.054-M-2045, 73.054-M-2046, 73.054-M-2047, 73.054-M-2048, 73.054-M-2049, 73.054-M-2050, 73.054-M-2051, 73.069-M-0001, 73.069-M-0002, 73.069-M-0003, 73.069-M-0004, 73.069-M-0007, 73.069-M-0269, 73.069-M-0270, 73.069-M-0271, 73.069-M-0272, 73.069-M-0273, 73.069-M-0274, 73.069-M-0275, 73.069-M-0276, 73.069-M-0277, 73.069-M-0278, 73.069-M-0279, 73.069-M-0280, 73.069-M-0281, 73.069-M-0282, 73.069-M-0283, 73.069-M-0284, 73.069-M-0285, 73.069-M-0286, 73.069-M-0287, 73.069-M-0288, 73.069-M-0289, 73.069-M-0290, 73.069-M-0291, 73.069-M-0292, 73.069-M-0293, 73.069-M-0294, 73.069-M-0295, 73.069-M-0296, 73.069-M-0297, 73.069-M-0298, 73.069-M-0299, 73.069-M-0300, 73.069-M-0301, 73.069-M-0302, 73.069-M-0303, 73.069-M-0304, 73.069-M-0305, 73.069-M-0306, 73.069-M-0307, 73.069-M-0308, 73.069-M-0309, 73.069-M-0310, 73.069-M-0311, 73.069-M-0312, 73.069-M-0313, 73.069-M-0365, 73.069-M-0366, 73.069-M-0367, 73.069-M-0368, 73.069-M-0369, 73.069-M-0370, 73.069-M-0371, 73.069-M-0372, 73.069-M-0373, 73.069-M-0374, 73.069-M-0442, 73.069-M-0444.
Epomops franqueti (Tomes, 1860):
RMCA: 73.054-M-0168, 73.054-M-0169, 73.054-M-0173, 73.054-M-1523, 73.054-M-1526, 73.054-M-2074, 73.054-M-2075, 73.054-M-2076, 73.054-M-2077, 73.054-M-2078, 73.069-M-0240, 73.069-M-0251. - **USNM:** 437591, 478545.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 437594, 437595.
Macronycteris gigas (Wagner, 1845):
USNM: 437732, 437733.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
RMCA: 73.054-M-0209.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.054-M-0166, 73.054-M-0740, 73.054-M-0741, 73.054-M-0742, 73.054-M-0743, 73.054-M-0744, 73.054-M-0745, 73.054-M-0746, 73.054-M-0747, 73.054-M-0748, 73.054-M-0749, 73.054-M-0750, 73.054-M-0751, 73.054-M-0752, 73.054-M-0753, 73.054-M-0754, 73.054-M-0755, 73.054-M-0756, 73.054-M-0757, 73.054-M-0758, 73.054-M-0759, 73.054-M-0760, 73.054-M-0761, 73.054-M-0762, 73.054-M-0763, 73.054-M-0764, 73.054-M-0765, 73.054-M-0766, 73.054-M-0767, 73.054-M-0768, 73.054-M-0769, 73.054-M-0770, 73.054-M-0771, 73.054-M-0772, 73.054-M-0773, 73.054-M-0774, 73.054-M-0775, 73.054-M-0776, 73.054-M-0777, 73.054-M-0778, 73.054-M-0779, 73.054-M-0780, 73.054-M-0781, 73.054-M-0782, 73.054-M-0783, 73.054-M-0784, 73.054-M-0810, 73.054-M-0811, 73.054-M-0812, 73.054-M-0813, 73.054-M-0814, 73.054-M-0815, 73.054-M-0816, 73.054-M-0828, 73.054-M-0829, 73.054-M-0830, 73.054-M-0831, 73.054-M-0832, 73.054-M-0833, 73.054-M-0834, 73.054-M-0835, 73.054-M-0836, 73.054-M-0837, 73.054-M-0838, 73.054-M-0839, 73.054-M-0840, 73.054-M-0841, 73.054-M-0842, 73.054-M-0843, 73.054-M-0844, 73.054-M-0845, 73.054-M-0846, 73.054-M-0847, 73.054-M-0848, 73.054-M-0849, 73.054-M-0850, 73.054-M-0851, 73.054-M-0852, 73.054-M-0853, 73.054-M-0854, 73.054-M-0855, 73.054-M-0856, 73.054-M-0857, 73.054-M-0858, 73.054-M-0859, 73.054-M-0860, 73.054-M-0861, 73.054-M-0862, 73.054-M-0863, 73.054-M-0864, 73.054-M-0865, 73.054-M-0866, 73.054-M-0867, 73.054-M-0868, 73.054-M-0869, 73.054-M-0870, 73.054-M-0871, 73.054-M-0872, 73.054-M-0873, 73.054-M-0874, 73.054-M-0875, 73.054-M-0876, 73.054-M-0877, 73.054-M-0878, 73.054-M-0879, 73.054-M-0880, 73.054-M-0881, 73.054-M-0882, 73.054-M-0883, 73.054-M-0884, 73.054-M-0885, 73.054-M-0886, 73.054-M-0887, 73.054-M-0888, 73.054-M-0889, 73.054-M-0890, 73.054-M-0891, 73.054-M-0892, 73.054-M-0893, 73.054-M-0894, 73.054-M-0895, 73.054-M-0896, 73.054-M-0897, 73.054-M-0898, 73.054-M-0899, 73.054-M-0900, 73.054-M-0901, 73.054-M-0902, 73.054-M-0903, 73.054-M-0904, 73.054-M-0905, 73.054-M-0906, 73.054-M-0907, 73.054-M-0908, 73.054-M-0909, 73.054-M-0910, 73.054-M-0911, 73.054-M-0912, 73.054-M-0913, 73.054-M-0914, 73.054-M-0915, 73.054-M-0916, 73.054-M-0917, 73.054-M-0918, 73.054-M-0919, 73.054-M-0920, 73.054-M-0921, 73.054-M-0922, 73.054-M-0923, 73.054-M-0924, 73.054-M-0925, 73.054-M-0926, 73.054-M-0927, 73.054-M-0928, 73.054-M-0929, 73.054-M-0930, 73.054-M-0931, 73.054-M-0932, 73.054-M-0933, 73.054-M-0934, 73.054-M-0935, 73.054-M-0936, 73.054-M-0937, 73.054-M-0938, 73.054-M-0939, 73.054-M-0940, 73.054-M-0941, 73.054-M-0942, 73.054-M-0943, 73.054-M-0944, 73.054-M-0945, 73.054-M-0946, 73.054-M-0947, 73.054-M-0948, 73.054-M-0949, 73.054-M-0950, 73.054-M-0951, 73.054-M-0952, 73.054-M-0953, 73.054-M-0954, 73.054-M-0955, 73.054-M-0956, 73.054-M-0957, 73.054-M-0958, 73.054-M-0959, 73.054-M-0960, 73.054-M-0961, 73.054-M-0962, 73.054-M-0963, 73.054-M-0964, 73.054-M-0965, 73.054-M-0966, 73.054-M-0967, 73.054-M-0968, 73.054-M-0969, 73.054-M-0970, 73.054-M-0971, 73.069-M-0034, 73.069-M-0035, 73.069-M-0036, 73.069-M-0037, 73.069-M-0038, 73.069-M-0039, 73.069-M-0040, 73.069-M-0061, 73.069-M-0062, 73.069-M-0063, 73.069-M-0064, 73.069-M-0065, 73.069-M-0066, 73.069-M-0067, 73.069-M-0068, 73.069-M-0069, 73.069-M-0070, 73.069-M-0071, 73.069-M-0216, 73.069-M-0217, 73.069-M-0218. - **USNM:** 437593.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.054-M-0239, 73.054-M-0240, 73.054-M-1752, 73.054-M-1753, 73.054-M-1754, 73.054-M-1755, 73.054-M-1756, 73.054-M-1757, 73.054-M-1758, 73.054-M-1759, 73.054-M-1760, 73.054-M-1761, 73.054-M-1762, 73.054-M-1763.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 73.054-M-2237.

Mops (Xiphonycteris) thersites (Thomas, 1903):
USNM: 437824, 437825, 437826, 437827, 439020, 439021.
Myonycteris leptodon K. Andersen, 1908:
RMCA: 73.054-M-0213, 73.054-M-0215.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.054-M-0164, 73.054-M-0165, 73.054-M-0167, 73.054-M-0170, 73.054-M-0171, 73.054-M-0216, 73.054-M-0247, 73.054-M-0248, 73.054-M-0250, 73.054-M-0251, 73.054-M-1468, 73.054-M-1469, 73.054-M-1470, 73.054-M-1471, 73.054-M-1472, 73.054-M-1473, 73.054-M-1480, 73.054-M-1481, 73.054-M-1482, 73.054-M-1483, 73.054-M-1484, 73.054-M-1485, 73.054-M-1486, 73.054-M-1487, 73.054-M-1488, 73.054-M-1489, 73.054-M-1490, 73.054-M-1498, 73.069-M-0012, 73.069-M-0233.
Neoromicia nana (Peters, 1852):
RMCA: 73.054-M-2180. - **USNM:** 437761, 437762, 437763, 437764, 437765, 437766, 437767, 437771, 437772, 437773, 437774, 437775, 479473.
Neoromicia rendalli (Thomas, 1889):
RMCA: 73.054-M-0204.
Nycteris grandis Peters, 1865:
USNM: 437613.
Scotophilus dinganii (A. Smith, 1833):
USNM: 437776

NE 07000Db:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.054-M-0148, 73.054-M-1828, 73.054-M-1877, 73.054-M-1878, 73.054-M-1879, 73.054-M-2037, 73.054-M-2038, 73.054-M-2039, 73.069-M-0005, 73.069-M-0006, 73.069-M-0314, 73.069-M-0315, 73.069-M-0316, 73.069-M-0317, 73.069-M-0318, 73.069-M-0319, 73.069-M-0320, 73.069-M-0321, 73.069-M-0322, 73.069-M-0323, 73.069-M-0324, 73.069-M-0325, 73.069-M-0326, 73.069-M-0327, 73.069-M-0328, 73.069-M-0329, 73.069-M-0330, 73.069-M-0331, 73.069-M-0332, 73.069-M-0333, 73.069-M-0334, 73.069-M-0443.
Epomops franqueti (Tomes, 1860):
RMCA: 73.054-M-0149, 73.054-M-0152, 73.054-M-0153, 73.054-M-0172, 73.054-M-1519, 73.054-M-1520, 73.054-M-1521, 73.054-M-1522, 73.054-M-1524, 73.054-M-1525, 73.054-M-2070, 73.054-M-2071, 73.054-M-2072, 73.069-M-0241, 73.069-M-0242, 73.069-M-0243, 73.069-M-0244.
Macronycteris vittatus (Peters, 1852):
RMCA: 73.054-M-1540.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.054-M-0590, 73.054-M-0591, 73.054-M-0592, 73.054-M-0593, 73.054-M-0594, 73.054-M-0595, 73.054-M-0596, 73.054-M-0597, 73.054-M-0598, 73.054-M-0599, 73.054-M-0600, 73.054-M-0601, 73.054-M-0602, 73.054-M-0603, 73.054-M-0604, 73.054-M-0605, 73.054-M-0606, 73.054-M-0607, 73.054-M-0608, 73.054-M-0609, 73.054-M-0610, 73.054-M-0611, 73.054-M-0612, 73.054-M-0613, 73.054-M-0614, 73.054-M-0615, 73.054-M-0616, 73.054-M-0617, 73.054-M-0618, 73.054-M-0619, 73.054-M-0620, 73.054-M-0785, 73.054-M-0786, 73.054-M-0787, 73.054-M-0788, 73.054-M-0789, 73.054-M-0790, 73.054-M-0791, 73.054-M-0792, 73.054-M-0793, 73.054-M-0794, 73.054-M-0795, 73.054-M-0796, 73.054-M-0797, 73.054-M-0798, 73.054-M-0799, 73.054-M-0800, 73.054-M-0801, 73.054-M-0802, 73.054-M-0803, 73.054-M-0804, 73.054-M-0805, 73.054-M-0806, 73.054-M-0807, 73.054-M-0808, 73.054-M-0817, 73.054-M-0818, 73.054-M-0819, 73.054-M-0820, 73.054-M-0821, 73.054-M-0822, 73.054-M-0823, 73.054-M-0824, 73.054-M-0825, 73.054-M-0826, 73.054-M-0827, 73.069-M-0013, 73.069-M-0041, 73.069-M-0042, 73.069-M-0043, 73.069-M-0044, 73.069-M-0045, 73.069-M-0046, 73.069-M-0213.
Myonycteris leptodon K. Andersen, 1908:
RMCA: 73.054-M-0214.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.054-M-0142, 73.054-M-0143, 73.054-M-0144, 73.054-M-0145, 73.054-M-0146, 73.054-M-0147, 73.054-M-0150, 73.054-M-0151, 73.054-M-0154, 73.054-M-0155, 73.054-M-0156, 73.054-M-0157, 73.054-M-0158, 73.054-M-0159, 73.054-M-0249, 73.054-M-1443, 73.054-M-1444, 73.054-M-1445, 73.054-M-1446, 73.054-M-1447, 73.054-M-1448, 73.054-M-1449, 73.054-M-1450, 73.054-M-1451, 73.054-M-1452, 73.054-M-1453, 73.054-M-1454, 73.054-M-1455, 73.054-M-1456, 73.054-M-1457, 73.054-M-1458, 73.054-M-1459, 73.054-M-1460, 73.054-M-1474, 73.054-M-1475, 73.054-M-1476, 73.054-M-1477, 73.054-M-1478, 73.054-M-1479, 73.069-M-0025, 73.069-M-0026

NE 07001Ac:

Micropteropus pusillus (Peters, 1868):
RMCA: 73.054-M-2227, 73.054-M-2228, 73.054-M-2229, 73.054-M-2230, 73.054-M-2231, 73.054-M-2232, 73.054-M-2233, 73.054-M-2234

NE 07001Ca:

Chaerephon major (Trouessart, 1897):
RMCA: 73.009-M-0449, 73.009-M-0450, 73.009-M-0451, 73.054-M-1546, 73.054-M-1547, 73.054-M-1548, 73.054-M-1549, 73.054-M-1550, 73.054-M-1551, 73.054-M-1552, 73.054-M-1553, 73.054-M-1554, 73.054-M-1555, 73.054-M-1556, 73.054-M-1557, 73.054-M-1558, 73.054-M-1559, 73.054-M-1560, 73.054-M-1561, 73.054-M-1562, 73.054-M-1563, 73.054-M-1564, 73.054-M-1565, 73.054-M-1566, 73.054-M-1567, 73.054-M-1568, 73.054-M-1569, 73.054-M-1570, 73.054-M-1571, 73.054-M-1572, 73.054-M-1573, 73.054-M-1574, 73.054-M-1575, 73.054-M-1576, 73.054-M-1577, 73.054-M-1578, 73.054-M-1579, 73.054-M-1580, 73.054-M-1581, 73.054-M-1582, 73.054-M-1583, 73.054-M-1584, 73.054-M-1585, 73.054-M-1586, 73.054-M-1587, 73.054-M-1588, 73.054-M-1589, 73.054-M-1590, 73.054-M-1591, 73.054-M-1592, 73.054-M-1593, 73.054-M-1594, 73.054-M-1595, 73.054-M-1596, 73.054-M-1597, 73.054-M-1598, 73.054-M-1599, 73.054-M-1600, 73.054-M-1601, 73.054-M-1602, 73.054-M-1603, 73.054-M-1604, 73.054-M-1605, 73.054-M-1606, 73.054-M-1607, 73.054-M-1608, 73.054-M-1609, 73.054-M-1610, 73.054-M-1611, 73.054-M-1612, 73.054-M-1613, 73.054-M-1614, 73.054-M-1615, 73.054-M-1616, 73.054-M-1617, 73.054-M-1618, 73.054-M-1619, 73.054-M-1620, 73.054-M-1621, 73.054-M-1622, 73.054-M-1623, 73.054-M-1624,

73.054-M-1625, 73.054-M-1626, 73.054-M-1627, 73.054-M-1628, 73.054-M-1629, 73.054-M-1630, 73.054-M-1631, 73.054-M-1632, 73.054-M-1633, 73.054-M-1634, 73.054-M-1635, 73.054-M-1636, 73.054-M-1637, 73.054-M-1638, 73.054-M-1639, 73.054-M-1640, 73.054-M-1641, 73.054-M-1642, 73.054-M-1643, 73.054-M-1644, 73.054-M-1645, 73.054-M-1646, 73.054-M-1647, 73.054-M-1648, 73.054-M-1649, 73.054-M-1650, 73.054-M-1651, 73.054-M-1652, 73.054-M-1653, 73.054-M-1654, 73.054-M-1655, 73.054-M-1656, 73.054-M-1657, 73.054-M-1658, 73.054-M-1659, 73.054-M-1660, 73.054-M-1661, 73.054-M-1662, 73.054-M-1663, 73.054-M-1664, 73.054-M-1665, 73.054-M-1666, 73.054-M-1667, 73.054-M-1668, 73.054-M-1669, 73.054-M-1670, 73.054-M-1671, 73.054-M-1672, 73.054-M-1673, 73.054-M-1674, 73.054-M-1675, 73.054-M-1676, 73.054-M-1677, 73.054-M-1678, 73.054-M-1679, 73.054-M-1680, 73.054-M-1681, 73.054-M-1682, 73.054-M-1683, 73.054-M-1684, 73.054-M-1685, 73.054-M-1686, 73.054-M-1687, 73.054-M-1688, 73.054-M-1689, 73.054-M-1690, 73.054-M-1691, 73.054-M-1692, 73.054-M-1693, 73.054-M-1694, 73.054-M-1695, 73.054-M-1696, 73.054-M-1697, 73.054-M-1698, 73.054-M-1699, 73.054-M-1700, 73.054-M-1701, 73.054-M-1702, 73.054-M-1703, 73.054-M-1704, 73.054-M-1705, 73.054-M-1706, 73.054-M-1707, 73.054-M-1708, 73.054-M-1709, 73.054-M-1710, 73.054-M-1711, 73.054-M-1712, 73.054-M-1713, 73.054-M-1714, 73.054-M-1715, 73.054-M-1716, 73.054-M-1717, 73.054-M-1718, 73.054-M-1719, 73.054-M-1720, 73.054-M-1721, 73.054-M-1722, 73.054-M-1723, 73.054-M-1724, 73.054-M-1725, 73.069-M-0447, 73.069-M-0448, 73.069-M-0449, 73.069-M-0450, 73.069-M-0451, 73.069-M-0452.

Chaerephon pumilus (Cretzschmar, 1826):

RMCA: 73.009-M-0577, 73.054-M-1726, 73.054-M-1727, 73.054-M-1731, 73.054-M-1732, 73.054-M-1733, 73.054-M-2092, 73.054-M-2093, 73.054-M-2094, 73.054-M-2095, 73.054-M-2096, 73.054-M-2097, 73.054-M-2098, 73.054-M-2099, 73.054-M-2100, 73.054-M-2101, 73.054-M-2102, 73.054-M-2103, 73.054-M-2104, 73.054-M-2105, 73.054-M-2106, 73.054-M-2107, 73.054-M-2108, 73.054-M-2109, 73.054-M-2110, 73.054-M-2111, 73.054-M-2112, 73.054-M-2113, 73.054-M-2114, 73.054-M-2115, 73.054-M-2116, 73.054-M-2117, 73.054-M-2118, 73.054-M-2119, 73.054-M-2120, 73.054-M-2121, 73.054-M-2122, 73.054-M-2123, 73.054-M-2124, 73.054-M-2125, 73.054-M-2126, 73.054-M-2127, 73.054-M-2128, 73.054-M-2129, 73.054-M-2130, 73.054-M-2131, 73.054-M-2132, 73.054-M-2133, 73.054-M-2134, 73.054-M-2135, 73.054-M-2136, 73.054-M-2137, 73.054-M-2138, 73.054-M-2139, 73.054-M-2140, 73.054-M-2141, 73.054-M-2142, 73.054-M-2143, 73.054-M-2144, 73.054-M-2145, 73.054-M-2146, 73.054-M-2147, 73.054-M-2148, 73.054-M-2149, 73.054-M-2150, 73.054-M-2151, 73.054-M-2152, 73.054-M-2153, 73.054-M-2154, 73.054-M-2155, 73.054-M-2156, 73.054-M-2157, 73.054-M-2158, 73.054-M-2159, 73.054-M-2160, 73.054-M-2161, 73.054-M-2162, 73.054-M-2163, 73.054-M-2164, 73.054-M-2165, 73.054-M-2166, 73.054-M-2167, 73.054-M-2168, 73.054-M-2169, 73.054-M-2170, 73.054-M-2171, 73.069-M-0455, 73.069-M-0456, 73.069-M-0457, 73.069-M-0458, 73.069-M-0459, 73.069-M-0460.

Doryrhina cyclops (Temminck, 1853):

RMCA: 73.054-M-0208.

Eidolon helvum (Kerr, 1792):

RMCA: 73.009-M-0197, 73.009-M-0198, 73.009-M-0199, 73.009-M-0200, 73.009-M-0201, 73.009-M-0202, 73.009-M-0203, 73.009-M-0204, 73.009-M-0205, 73.009-M-0206, 73.009-M-0207, 73.009-M-0208, 73.009-M-0209, 73.009-M-0210, 73.009-M-0211, 73.009-M-0212, 73.009-M-0213, 73.054-M-0123, 73.054-M-0124, 73.054-M-1543, 73.054-M-1544, 73.054-M-2086, 73.054-M-2087, 73.054-M-2088, 73.054-M-2089, 73.054-M-2090, 73.054-M-2091, 73.069-M-0268.

Epomophorus gambianus (Ogilby, 1835):

RMCA: 73.054-M-0097, 73.054-M-0098, 73.054-M-0099, 73.054-M-0100, 73.054-M-0101, 73.054-M-0102, 73.054-M-0103, 73.054-M-0104, 73.054-M-0106, 73.054-M-0107, 73.054-M-0108, 73.054-M-0109, 73.054-M-0110, 73.054-M-0111, 73.054-M-0112, 73.054-M-0113, 73.054-M-0114, 73.054-M-0115, 73.054-M-0116, 73.054-M-0117, 73.054-M-0118, 73.054-M-0119, 73.054-M-0120, 73.054-M-0121, 73.054-M-0126, 73.054-M-0127, 73.054-M-0128, 73.054-M-0129, 73.054-M-0130, 73.054-M-0131, 73.054-M-0132, 73.054-M-0133, 73.054-M-0134, 73.054-M-0135, 73.054-M-0136, 73.054-M-0137, 73.054-M-0138, 73.054-M-0139, 73.054-M-0140, 73.054-M-0141, 73.054-M-0160, 73.054-M-0161, 73.054-M-0162, 73.054-M-0163, 73.054-M-0182, 73.054-M-0183, 73.054-M-0185, 73.054-M-0186, 73.054-M-0187, 73.054-M-0189, 73.054-M-0192, 73.054-M-0193, 73.054-M-0194, 73.054-M-0195, 73.054-M-0196, 73.054-M-0197, 73.054-M-0198, 73.054-M-0199, 73.054-M-0201, 73.054-M-1769, 73.054-M-1774, 73.054-M-1776, 73.054-M-1777, 73.054-M-1778, 73.054-M-1779, 73.054-M-1780, 73.054-M-1781, 73.054-M-1782, 73.054-M-1783, 73.054-M-1784, 73.054-M-1785, 73.054-M-1786, 73.054-M-1787, 73.054-M-1788, 73.054-M-1789, 73.054-M-1790, 73.054-M-1791, 73.054-M-1792, 73.054-M-1793, 73.054-M-1794, 73.054-M-1795, 73.054-M-1796, 73.054-M-1797, 73.054-M-1798, 73.054-M-1799, 73.054-M-1800, 73.054-M-1801, 73.054-M-1802, 73.054-M-1803, 73.054-M-1804, 73.054-M-1805, 73.054-M-1806, 73.054-M-1807, 73.054-M-1808, 73.054-M-1809, 73.054-M-1810, 73.054-M-1811, 73.054-M-1812, 73.054-M-1813, 73.054-M-1814, 73.054-M-1815, 73.054-M-1816, 73.054-M-1817, 73.054-M-1818, 73.054-M-1819, 73.054-M-1820, 73.054-M-1821, 73.054-M-1822, 73.054-M-1823, 73.054-M-1824, 73.054-M-1825, 73.054-M-1826, 73.054-M-1839, 73.054-M-1840, 73.054-M-1841, 73.054-M-1842, 73.054-M-1843, 73.054-M-1844, 73.054-M-1845, 73.054-M-1846, 73.054-M-1847, 73.054-M-1848, 73.054-M-1849, 73.054-M-1850, 73.054-M-1851, 73.054-M-1853, 73.054-M-1857, 73.054-M-1858, 73.054-M-1859, 73.054-M-1860, 73.054-M-1861, 73.054-M-1862, 73.054-M-1863, 73.054-M-1864, 73.054-M-1865, 73.054-M-1866, 73.054-M-1867, 73.054-M-1868, 73.054-M-1869, 73.054-M-1870, 73.054-M-1871, 73.054-M-1872, 73.054-M-1873, 73.054-M-1874, 73.054-M-1875, 73.054-M-1885, 73.054-M-1886, 73.054-M-1887, 73.054-M-1888, 73.054-M-1889, 73.054-M-1890, 73.054-M-1891, 73.054-M-1892, 73.054-M-1893, 73.054-M-1894, 73.054-M-1895, 73.054-M-1896, 73.054-M-1897, 73.054-M-1898, 73.054-M-1899, 73.054-M-1900, 73.054-M-1963, 73.054-M-1964, 73.054-M-1965, 73.054-M-1973, 73.054-M-1974, 73.054-M-1975, 73.054-M-1976, 73.054-M-1977, 73.054-M-1978, 73.054-M-1979, 73.054-M-1980, 73.054-M-1981, 73.054-M-1982, 73.054-M-1983, 73.054-M-1984, 73.054-M-1985, 73.054-M-1986, 73.054-M-1987, 73.054-M-1988, 73.054-M-1989, 73.054-M-1990, 73.054-M-1991, 73.054-M-1992, 73.054-M-1993, 73.054-M-1994, 73.054-M-1995, 73.054-M-1996, 73.054-M-1998, 73.054-M-1999, 73.054-M-2000, 73.054-M-2001, 73.054-M-2002, 73.054-M-2003, 73.054-M-2004, 73.054-M-2005, 73.054-M-2006, 73.054-M-2007, 73.054-M-2008, 73.054-M-2009, 73.054-M-2010, 73.054-M-2011, 73.054-M-2012, 73.054-M-2013, 73.054-M-2014, 73.054-M-2015, 73.054-M-2016, 73.054-M-2017, 73.054-M-2018, 73.054-M-2019, 73.054-M-2020, 73.054-M-2021, 73.054-M-2022, 73.054-M-2023, 73.054-M-2024, 73.054-M-2025, 73.054-M-2026, 73.054-M-2027, 73.054-M-2028, 73.054-M-2029, 73.054-M-2030, 73.054-M-2031, 73.054-M-2032, 73.054-M-2052, 73.054-M-2053, 73.054-M-2054, 73.054-M-2055, 73.054-M-2056, 73.054-M-2057, 73.054-M-2058, 73.054-M-2059, 73.054-M-2060, 73.054-M-2061, 73.054-M-2062, 73.054-M-2063, 73.054-M-2064, 73.054-M-2065, 73.054-M-2066, 73.054-M-2067, 73.054-M-2068, 73.054-M-2081, 73.054-M-2082, 73.054-M-2083, 73.054-M-2084, 73.054-M-2085, 73.069-M-0335, 73.069-M-0336, 73.069-M-0337, 73.069-M-0338, 73.069-M-0339, 73.069-M-0340, 73.069-M-0341, 73.069-M-0342, 73.069-M-0343, 73.069-M-0344, 73.069-M-0345, 73.069-M-0346, 73.069-M-0347, 73.069-M-0348, 73.069-M-0349, 73.069-M-0350, 73.069-M-0351, 73.069-M-0352, 73.069-M-0353, 73.069-M-0354, 73.069-M-0355, 73.069-M-0356, 73.069-M-0357, 73.069-M-0358, 73.069-M-0359, 73.069-M-0360, 73.069-M-0361, 73.069-M-0362, 73.069-M-0363, 73.069-M-0364, 73.069-M-0375, 73.069-M-0376, 73.069-M-0377, 73.069-M-0378, 73.069-M-0379, 73.069-M-0380, 73.069-M-0381, 73.069-M-0382, 73.069-M-0383, 73.069-M-0384, 73.069-M-0385, 73.069-M-0386, 73.069-M-0387, 73.069-M-0388, 73.069-M-0389, 73.069-M-0390, 73.069-M-0391,

73.069-M-0392, 73.069-M-0393, 73.069-M-0394, 73.069-M-0395, 73.069-M-0396, 73.069-M-0397, 73.069-M-0398, 73.069-M-0399, 73.069-M-0400, 73.069-M-0401, 73.069-M-0402, 73.069-M-0403, 73.069-M-0404, 73.069-M-0405, 73.069-M-0406, 73.069-M-0407, 73.069-M-0408, 73.069-M-0409, 73.069-M-0410, 73.069-M-0411, 73.069-M-0412, 73.069-M-0413, 73.069-M-0414, 73.069-M-0415, 73.069-M-0416, 73.069-M-0417, 73.069-M-0418, 73.069-M-0419, 73.069-M-0420, 73.069-M-0421, 73.069-M-0422, 73.069-M-0423, 73.069-M-0424, 73.069-M-0425, 73.069-M-0426, 73.069-M-0427, 73.069-M-0428, 73.069-M-0429, 73.069-M-0430, 73.069-M-0431, 73.069-M-0432, 73.069-M-0433, 73.069-M-0434, 73.069-M-0435, 73.069-M-0436, 73.069-M-0437, 73.069-M-0438, 73.069-M-0439, 73.069-M-0445, 73.069-M-0446.

Epomops franqueti (Tomes, 1860):

RMCA: 73.054-M-0188, 73.054-M-0200, 73.054-M-0202, 73.054-M-1527, 73.054-M-2069, 73.054-M-2073, 73.054-M-2079, 73.054-M-2236, 73.069-M-0020, 73.069-M-0021, 73.069-M-0245, 73.069-M-0246, 73.069-M-0247, 73.069-M-0248, 73.069-M-0249, 73.069-M-0250, 73.069-M-0252, 73.069-M-0253, 73.069-M-0254, 73.069-M-0255, 73.069-M-0256, 73.069-M-0257, 73.069-M-0258, 73.069-M-0259, 73.069-M-0260, 73.069-M-0261, 73.069-M-0262, 73.069-M-0263, 73.069-M-0264, 73.069-M-0265, 73.069-M-0266, 73.069-M-0267.

Glauconycteris poensis (Gray, 1842):

RMCA: 73.054-M-0207.

Macronycteris vittatus (Peters, 1852):

RMCA: 73.054-M-1538, 73.054-M-1539.

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:

RMCA: 73.054-M-0210, 73.054-M-0211, 73.054-M-0212, 73.054-M-1518, 73.069-M-0239.

Micropteropus pusillus (Peters, 1868):

RMCA: 73.054-M-0203, 73.054-M-0253, 73.054-M-0254, 73.054-M-0255, 73.054-M-0256, 73.054-M-0257, 73.054-M-0258, 73.054-M-0259, 73.054-M-0260, 73.054-M-0261, 73.054-M-0263, 73.054-M-0264, 73.054-M-0265, 73.054-M-0266, 73.054-M-0267, 73.054-M-0268, 73.054-M-0269, 73.054-M-0270, 73.054-M-0271, 73.054-M-0272, 73.054-M-0273, 73.054-M-0274, 73.054-M-0275, 73.054-M-0276, 73.054-M-0277, 73.054-M-0278, 73.054-M-0279, 73.054-M-0280, 73.054-M-0281, 73.054-M-0282, 73.054-M-0283, 73.054-M-0284, 73.054-M-0285, 73.054-M-0286, 73.054-M-0287, 73.054-M-0288, 73.054-M-0289, 73.054-M-0290, 73.054-M-0291, 73.054-M-0292, 73.054-M-0293, 73.054-M-0294, 73.054-M-0295, 73.054-M-0296, 73.054-M-0297, 73.054-M-0298, 73.054-M-0299, 73.054-M-0300, 73.054-M-0301, 73.054-M-0302, 73.054-M-0303, 73.054-M-0304, 73.054-M-0305, 73.054-M-0306, 73.054-M-0307, 73.054-M-0308, 73.054-M-0309, 73.054-M-0310, 73.054-M-0311, 73.054-M-0312, 73.054-M-0313, 73.054-M-0314, 73.054-M-0315, 73.054-M-0316, 73.054-M-0317, 73.054-M-0318, 73.054-M-0319, 73.054-M-0320, 73.054-M-0321, 73.054-M-0322, 73.054-M-0323, 73.054-M-0324, 73.054-M-0325, 73.054-M-0326, 73.054-M-0327, 73.054-M-0328, 73.054-M-0329, 73.054-M-0330, 73.054-M-0331, 73.054-M-0332, 73.054-M-0333, 73.054-M-0334, 73.054-M-0335, 73.054-M-0336, 73.054-M-0337, 73.054-M-0338, 73.054-M-0339, 73.054-M-0340, 73.054-M-0341, 73.054-M-0342, 73.054-M-0343, 73.054-M-0344, 73.054-M-0345, 73.054-M-0346, 73.054-M-0347, 73.054-M-0348, 73.054-M-0349, 73.054-M-0350, 73.054-M-0351, 73.054-M-0352, 73.054-M-0353, 73.054-M-0354, 73.054-M-0355, 73.054-M-0356, 73.054-M-0357, 73.054-M-0358, 73.054-M-0359, 73.054-M-0360, 73.054-M-0361, 73.054-M-0362, 73.054-M-0363, 73.054-M-0364, 73.054-M-0365, 73.054-M-0366, 73.054-M-0367, 73.054-M-0368, 73.054-M-0369, 73.054-M-0370, 73.054-M-0371, 73.054-M-0372, 73.054-M-0373, 73.054-M-0374, 73.054-M-0375, 73.054-M-0376, 73.054-M-0377, 73.054-M-0378, 73.054-M-0379, 73.054-M-0380, 73.054-M-0381, 73.054-M-0382, 73.054-M-0383, 73.054-M-0384, 73.054-M-0385, 73.054-M-0386, 73.054-M-0387, 73.054-M-0388, 73.054-M-0389, 73.054-M-0390, 73.054-M-0391, 73.054-M-0392, 73.054-M-0393, 73.054-M-0394, 73.054-M-0395, 73.054-M-0396, 73.054-M-0397, 73.054-M-0398, 73.054-M-0399, 73.054-M-0400, 73.054-M-0401, 73.054-M-0402, 73.054-M-0403, 73.054-M-0404, 73.054-M-0405, 73.054-M-0406, 73.054-M-0407, 73.054-M-0408, 73.054-M-0409, 73.054-M-0410, 73.054-M-0411, 73.054-M-0412, 73.054-M-0413, 73.054-M-0414, 73.054-M-0415, 73.054-M-0416, 73.054-M-0417, 73.054-M-0418, 73.054-M-0419, 73.054-M-0420, 73.054-M-0421, 73.054-M-0422, 73.054-M-0423, 73.054-M-0424, 73.054-M-0425, 73.054-M-0426, 73.054-M-0427, 73.054-M-0428, 73.054-M-0429, 73.054-M-0430, 73.054-M-0431, 73.054-M-0432, 73.054-M-0433, 73.054-M-0434, 73.054-M-0435, 73.054-M-0436, 73.054-M-0437, 73.054-M-0438, 73.054-M-0439, 73.054-M-0440, 73.054-M-0441, 73.054-M-0442, 73.054-M-0443, 73.054-M-0444, 73.054-M-0445, 73.054-M-0446, 73.054-M-0447, 73.054-M-0448, 73.054-M-0449, 73.054-M-0450, 73.054-M-0451, 73.054-M-0452, 73.054-M-0453, 73.054-M-0454, 73.054-M-0455, 73.054-M-0464, 73.054-M-0465, 73.054-M-0466, 73.054-M-0467, 73.054-M-0473, 73.054-M-0480, 73.054-M-0481, 73.054-M-0482, 73.054-M-0483, 73.054-M-0484, 73.054-M-0485, 73.054-M-0486, 73.054-M-0487, 73.054-M-0488, 73.054-M-0489, 73.054-M-0490, 73.054-M-0491, 73.054-M-0492, 73.054-M-0493, 73.054-M-0494, 73.054-M-0495, 73.054-M-0496, 73.054-M-0497, 73.054-M-0498, 73.054-M-0499, 73.054-M-0500, 73.054-M-0501, 73.054-M-0502, 73.054-M-0503, 73.054-M-0504, 73.054-M-0505, 73.054-M-0506, 73.054-M-0507, 73.054-M-0508, 73.054-M-0509, 73.054-M-0510, 73.054-M-0511, 73.054-M-0512, 73.054-M-0513, 73.054-M-0514, 73.054-M-0515, 73.054-M-0516, 73.054-M-0517, 73.054-M-0518, 73.054-M-0519, 73.054-M-0520, 73.054-M-0521, 73.054-M-0522, 73.054-M-0523, 73.054-M-0524, 73.054-M-0525, 73.054-M-0526, 73.054-M-0527, 73.054-M-0528, 73.054-M-0529, 73.054-M-0530, 73.054-M-0531, 73.054-M-0532, 73.054-M-0533, 73.054-M-0534, 73.054-M-0535, 73.054-M-0536, 73.054-M-0537, 73.054-M-0538, 73.054-M-0539, 73.054-M-0540, 73.054-M-0541, 73.054-M-0542, 73.054-M-0543, 73.054-M-0544, 73.054-M-0545, 73.054-M-0546, 73.054-M-0547, 73.054-M-0548, 73.054-M-0549, 73.054-M-0550, 73.054-M-0551, 73.054-M-0552, 73.054-M-0553, 73.054-M-0554, 73.054-M-0555, 73.054-M-0556, 73.054-M-0557, 73.054-M-0558, 73.054-M-0559, 73.054-M-0560, 73.054-M-0561, 73.054-M-0562, 73.054-M-0563, 73.054-M-0564, 73.054-M-0565, 73.054-M-0566, 73.054-M-0567, 73.054-M-0568, 73.054-M-0569, 73.054-M-0570, 73.054-M-0571, 73.054-M-0572, 73.054-M-0573, 73.054-M-0574, 73.054-M-0575, 73.054-M-0576, 73.054-M-0577, 73.054-M-0578, 73.054-M-0579, 73.054-M-0580, 73.054-M-0581, 73.054-M-0582, 73.054-M-0583, 73.054-M-0584, 73.054-M-0585, 73.054-M-0586, 73.054-M-0587, 73.054-M-0588, 73.054-M-0589, 73.054-M-0621, 73.054-M-0622, 73.054-M-0623, 73.054-M-0624, 73.054-M-0625, 73.054-M-0626, 73.054-M-0627, 73.054-M-0628, 73.054-M-0629, 73.054-M-0630, 73.054-M-0631, 73.054-M-0632, 73.054-M-0633, 73.054-M-0634, 73.054-M-0635, 73.054-M-0636, 73.054-M-0637, 73.054-M-0638, 73.054-M-0639, 73.054-M-0640, 73.054-M-0641, 73.054-M-0642, 73.054-M-0643, 73.054-M-0644, 73.054-M-0645, 73.054-M-0646, 73.054-M-0647, 73.054-M-0648, 73.054-M-0649, 73.054-M-0650, 73.054-M-0651, 73.054-M-0652, 73.054-M-0653, 73.054-M-0654, 73.054-M-0655, 73.054-M-0656, 73.054-M-0657, 73.054-M-0658, 73.054-M-0659, 73.054-M-0660, 73.054-M-0661, 73.054-M-0662, 73.054-M-0663, 73.054-M-0664, 73.054-M-0665, 73.054-M-0666, 73.054-M-0667, 73.054-M-0668, 73.054-M-0669, 73.054-M-0670, 73.054-M-0671, 73.054-M-0672, 73.054-M-0673, 73.054-M-0674, 73.054-M-0675, 73.054-M-0676, 73.054-M-0677, 73.054-M-0678, 73.054-M-0679, 73.054-M-0680, 73.054-M-0681, 73.054-M-0682, 73.054-M-0683, 73.054-M-0684, 73.054-M-0685, 73.054-M-0686, 73.054-M-0687, 73.054-M-0688, 73.054-M-0689, 73.054-M-0690, 73.054-M-0691, 73.054-M-0692, 73.054-M-0693, 73.054-M-0694, 73.054-M-0695, 73.054-M-0696, 73.054-M-0697, 73.054-M-0698, 73.054-M-0699, 73.054-M-0700, 73.054-M-0701, 73.054-M-0702, 73.054-M-0703, 73.054-M-0705, 73.054-M-0706, 73.054-M-0707, 73.054-M-0708, 73.054-M-0709, 73.054-M-0710, 73.054-M-0711, 73.054-M-0712, 73.054-M-0714, 73.054-M-0715, 73.054-M-0716, 73.054-M-0717, 73.054-M-0718, 73.054-M-0719, 73.054-M-0720, 73.054-M-0721, 73.054-M-0722, 73.054-M-0723, 73.054-M-

0724, 73.054-M-0725, 73.054-M-0726, 73.054-M-0727, 73.054-M-0728, 73.054-M-0729, 73.054-M-0730, 73.054-M-0731, 73.054-M-0732, 73.054-M-0733, 73.054-M-0734, 73.054-M-0735, 73.054-M-0736, 73.054-M-0737, 73.054-M-0738, 73.054-M-0739, 73.054-M-0972, 73.054-M-0973, 73.054-M-0974, 73.054-M-0975, 73.054-M-0976, 73.054-M-0977, 73.054-M-0978, 73.054-M-0979, 73.054-M-0980, 73.054-M-0981, 73.054-M-0982, 73.054-M-0983, 73.054-M-0984, 73.054-M-0985, 73.054-M-0986, 73.054-M-0987, 73.054-M-0988, 73.054-M-0989, 73.054-M-0990, 73.054-M-0991, 73.054-M-0992, 73.054-M-0993, 73.054-M-0994, 73.054-M-0995, 73.054-M-0996, 73.054-M-0997, 73.054-M-0998, 73.054-M-0999, 73.054-M-1000, 73.054-M-1001, 73.054-M-1002, 73.054-M-1003, 73.054-M-1004, 73.054-M-1005, 73.054-M-1006, 73.054-M-1007, 73.054-M-1008, 73.054-M-1009, 73.054-M-1010, 73.054-M-1011, 73.054-M-1012, 73.054-M-1013, 73.054-M-1014, 73.054-M-1015, 73.054-M-1016, 73.054-M-1017, 73.054-M-1018, 73.054-M-1019, 73.054-M-1020, 73.054-M-1021, 73.054-M-1022, 73.054-M-1023, 73.054-M-1024, 73.054-M-1025, 73.054-M-1026, 73.054-M-1027, 73.054-M-1028, 73.054-M-1029, 73.054-M-1030, 73.054-M-1031, 73.054-M-1032, 73.054-M-1033, 73.054-M-1034, 73.054-M-1035, 73.054-M-1036, 73.054-M-1037, 73.054-M-1038, 73.054-M-1039, 73.054-M-1040, 73.054-M-1041, 73.054-M-1042, 73.054-M-1043, 73.054-M-1044, 73.054-M-1045, 73.054-M-1046, 73.054-M-1047, 73.054-M-1048, 73.054-M-1049, 73.054-M-1050, 73.054-M-1051, 73.054-M-1052, 73.054-M-1053, 73.054-M-1054, 73.054-M-1055, 73.054-M-1056, 73.054-M-1057, 73.054-M-1058, 73.054-M-1059, 73.054-M-1060, 73.054-M-1061, 73.054-M-1062, 73.054-M-1063, 73.054-M-1064, 73.054-M-1065, 73.054-M-1066, 73.054-M-1067, 73.054-M-1068, 73.054-M-1069, 73.054-M-1070, 73.054-M-1071, 73.054-M-1072, 73.054-M-1073, 73.054-M-1074, 73.054-M-1075, 73.054-M-1076, 73.054-M-1077, 73.054-M-1078, 73.054-M-1079, 73.054-M-1080, 73.054-M-1081, 73.054-M-1082, 73.054-M-1083, 73.054-M-1084, 73.054-M-1085, 73.054-M-1086, 73.054-M-1087, 73.054-M-1088, 73.054-M-1089, 73.054-M-1090, 73.054-M-1091, 73.054-M-1092, 73.054-M-1093, 73.054-M-1094, 73.054-M-1095, 73.054-M-1096, 73.054-M-1097, 73.054-M-1098, 73.054-M-1099, 73.054-M-1100, 73.054-M-1101, 73.054-M-1102, 73.054-M-1103, 73.054-M-1104, 73.054-M-1105, 73.054-M-1106, 73.054-M-1107, 73.054-M-1108, 73.054-M-1109, 73.054-M-1110, 73.054-M-1111, 73.054-M-1112, 73.054-M-1113, 73.054-M-1114, 73.054-M-1115, 73.054-M-1116, 73.054-M-1117, 73.054-M-1118, 73.054-M-1119, 73.054-M-1120, 73.054-M-1121, 73.054-M-1122, 73.054-M-1123, 73.054-M-1124, 73.054-M-1125, 73.054-M-1126, 73.054-M-1127, 73.054-M-1128, 73.054-M-1129, 73.054-M-1130, 73.054-M-1131, 73.054-M-1132, 73.054-M-1133, 73.054-M-1134, 73.054-M-1135, 73.054-M-1136, 73.054-M-1137, 73.054-M-1138, 73.054-M-1139, 73.054-M-1140, 73.054-M-1141, 73.054-M-1142, 73.054-M-1143, 73.054-M-1144, 73.054-M-1145, 73.054-M-1146, 73.054-M-1147, 73.054-M-1148, 73.054-M-1149, 73.054-M-1150, 73.054-M-1151, 73.054-M-1152, 73.054-M-1153, 73.054-M-1154, 73.054-M-1155, 73.054-M-1156, 73.054-M-1157, 73.054-M-1158, 73.054-M-1159, 73.054-M-1160, 73.054-M-1161, 73.054-M-1162, 73.054-M-1163, 73.054-M-1164, 73.054-M-1165, 73.054-M-1166, 73.054-M-1167, 73.054-M-1168, 73.054-M-1169, 73.054-M-1170, 73.054-M-1171, 73.054-M-1172, 73.069-M-0014, 73.069-M-0015, 73.069-M-0016, 73.069-M-0018, 73.069-M-0019, 73.069-M-0022, 73.069-M-0023, 73.069-M-0024, 73.069-M-0047, 73.069-M-0048, 73.069-M-0049, 73.069-M-0050, 73.069-M-0051, 73.069-M-0052, 73.069-M-0053, 73.069-M-0054, 73.069-M-0055, 73.069-M-0056, 73.069-M-0057, 73.069-M-0058, 73.069-M-0059, 73.069-M-0060, 73.069-M-0072, 73.069-M-0073, 73.069-M-0074, 73.069-M-0075, 73.069-M-0076, 73.069-M-0077, 73.069-M-0078, 73.069-M-0079, 73.069-M-0080, 73.069-M-0081, 73.069-M-0082, 73.069-M-0083, 73.069-M-0084, 73.069-M-0085, 73.069-M-0086, 73.069-M-0087, 73.069-M-0088, 73.069-M-0089, 73.069-M-0090, 73.069-M-0091, 73.069-M-0092, 73.069-M-0093, 73.069-M-0094, 73.069-M-0095, 73.069-M-0096, 73.069-M-0097, 73.069-M-0098, 73.069-M-0099, 73.069-M-0100, 73.069-M-0101, 73.069-M-0102, 73.069-M-0103, 73.069-M-0104, 73.069-M-0105, 73.069-M-0106, 73.069-M-0107, 73.069-M-0108, 73.069-M-0109, 73.069-M-0110, 73.069-M-0111, 73.069-M-0112, 73.069-M-0113, 73.069-M-0114, 73.069-M-0115, 73.069-M-0116, 73.069-M-0117, 73.069-M-0118, 73.069-M-0119, 73.069-M-0120, 73.069-M-0121, 73.069-M-0122, 73.069-M-0123, 73.069-M-0124, 73.069-M-0125, 73.069-M-0126, 73.069-M-0127, 73.069-M-0128, 73.069-M-0129, 73.069-M-0130, 73.069-M-0131, 73.069-M-0132, 73.069-M-0133, 73.069-M-0134, 73.069-M-0135, 73.069-M-0136, 73.069-M-0137, 73.069-M-0138, 73.069-M-0139, 73.069-M-0140, 73.069-M-0141, 73.069-M-0142, 73.069-M-0143, 73.069-M-0144, 73.069-M-0145, 73.069-M-0146, 73.069-M-0147, 73.069-M-0148, 73.069-M-0149, 73.069-M-0150, 73.069-M-0151, 73.069-M-0152, 73.069-M-0153, 73.069-M-0154, 73.069-M-0155, 73.069-M-0156, 73.069-M-0157, 73.069-M-0158, 73.069-M-0159, 73.069-M-0160, 73.069-M-0161, 73.069-M-0162, 73.069-M-0163, 73.069-M-0164, 73.069-M-0165, 73.069-M-0166, 73.069-M-0167, 73.069-M-0168, 73.069-M-0169, 73.069-M-0170, 73.069-M-0171, 73.069-M-0172, 73.069-M-0173, 73.069-M-0174, 73.069-M-0175, 73.069-M-0176, 73.069-M-0177, 73.069-M-0178, 73.069-M-0179, 73.069-M-0180, 73.069-M-0181, 73.069-M-0182, 73.069-M-0183, 73.069-M-0184, 73.069-M-0185, 73.069-M-0186, 73.069-M-0187, 73.069-M-0188, 73.069-M-0189, 73.069-M-0190, 73.069-M-0191, 73.069-M-0192, 73.069-M-0193, 73.069-M-0194, 73.069-M-0195, 73.069-M-0196, 73.069-M-0197, 73.069-M-0198, 73.069-M-0199, 73.069-M-0200, 73.069-M-0201, 73.069-M-0202, 73.069-M-0203, 73.069-M-0204, 73.069-M-0205, 73.069-M-0206, 73.069-M-0207, 73.069-M-0208, 73.069-M-0209, 73.069-M-0210, 73.069-M-0211, 73.069-M-0212, 73.069-M-0214, 73.069-M-0215, 73.069-M-0219, 73.069-M-0220, 73.069-M-0221, 73.069-M-0222, 73.069-M-0223, 73.069-M-0224, 73.069-M-0225, 73.069-M-0226, 73.069-M-0227, 73.069-M-0228, 73.069-M-0229, 73.069-M-0230.

Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1984-1264, ZM-MO-1984-1265, ZM-MO-1984-1266. - **RMCA:** 73.054-M-0218, 73.054-M-0219, 73.054-M-0220, 73.054-M-0221, 73.054-M-0222, 73.054-M-0223, 73.054-M-0224, 73.054-M-0225, 73.054-M-0226, 73.054-M-0227, 73.054-M-0228, 73.054-M-0229, 73.054-M-0230, 73.054-M-0231, 73.054-M-0232, 73.054-M-0233, 73.054-M-0234, 73.054-M-0235, 73.054-M-0236, 73.054-M-0237, 73.054-M-0238, 73.054-M-1734, 73.054-M-1736, 73.054-M-1737, 73.054-M-1738, 73.054-M-1739, 73.054-M-1740, 73.054-M-1741, 73.054-M-1742, 73.054-M-1743, 73.054-M-1744, 73.054-M-1745, 73.054-M-1746, 73.054-M-1747, 73.054-M-1748, 73.054-M-1749, 73.054-M-1750, 73.054-M-1751, 73.054-M-1764, 73.054-M-1765, 73.054-M-1766, 73.069-M-0453, 73.069-M-0454.

Mops (Xiphonycteris) spurrelli (Dollman, 1911):
RMCA: 73.054-M-0241, 73.054-M-0242, 73.054-M-0243, 73.054-M-0244.

Myonycteris angolensis (Bocage, 1898):
RMCA: 73.054-M-0125, 73.054-M-0184, 73.054-M-0190, 73.054-M-0191, 73.054-M-1541.

Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.054-M-0245, 73.054-M-0246, 73.054-M-0262, 73.054-M-1424, 73.054-M-1425, 73.054-M-1426, 73.054-M-1427, 73.054-M-1428, 73.054-M-1429, 73.054-M-1430, 73.054-M-1431, 73.054-M-1432, 73.054-M-1433, 73.054-M-1434, 73.054-M-1435, 73.054-M-1436, 73.054-M-1437, 73.054-M-1438, 73.054-M-1439, 73.054-M-1440, 73.054-M-1441, 73.054-M-1442, 73.054-M-1461, 73.054-M-1462, 73.054-M-1463, 73.054-M-1464, 73.054-M-1465, 73.054-M-1466, 73.054-M-1467, 73.054-M-1491, 73.054-M-1492, 73.054-M-1493, 73.054-M-1494, 73.054-M-1495, 73.054-M-1496, 73.054-M-1497, 73.054-M-2080, 73.069-M-0017, 73.069-M-0027, 73.069-M-0028, 73.069-M-0029, 73.069-M-0030, 73.069-M-0031, 73.069-M-0032, 73.069-M-0033, 73.069-M-0231, 73.069-M-0232, 73.069-M-0234, 73.069-M-0235, 73.069-M-0236, 73.069-M-0237, 73.069-M-0238, 73.069-M-0440, 73.069-M-0441.

Neoromicia capensis (A. Smith, 1829):
ZMB: 54246.

Neoromicia nana (Peters, 1852):
RMCA: 73.054-M-0122.
Neoromicia somalica (Thomas, 1901):
RMCA: 73.054-M-0205, 73.054-M-0206.
Nycteris hispida (Schreber, 1774):
RMCA: 73.009-M-0075, 73.009-M-0076.
Rhinolophus landeri Martin, 1838:
RMCA: 73.054-M-0217.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 73.009-M-0016, 73.009-M-0017, 73.009-M-0018, 73.009-M-0019, 73.009-M-0020, 73.009-M-0021, 73.009-M-0022

NE 07001Cb:

Eidolon helvum (Kerr, 1792):
RMCA: 73.054-M-1542.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.054-M-0105, 73.054-M-1770, 73.054-M-1771, 73.054-M-1772, 73.054-M-1773, 73.054-M-1775, 73.054-M-1852, 73.054-M-1854, 73.054-M-1855, 73.054-M-1856, 73.054-M-1966, 73.054-M-1967, 73.054-M-1968, 73.054-M-1969, 73.054-M-1970, 73.054-M-1971, 73.054-M-1972.
Macronycteris vittatus (Peters, 1852):
RMCA: 73.054-M-0096.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.054-M-0456, 73.054-M-0457, 73.054-M-0458, 73.054-M-0459, 73.054-M-0460, 73.054-M-0461, 73.054-M-0462, 73.054-M-0463, 73.054-M-0468, 73.054-M-0469, 73.054-M-0470, 73.054-M-0471, 73.054-M-0472, 73.054-M-0474, 73.054-M-0475, 73.054-M-0476, 73.054-M-0477, 73.054-M-0478, 73.054-M-0479.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.054-M-1735.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.054-M-1420, 73.054-M-1421, 73.054-M-1422, 73.054-M-1423

NE 07001Cd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.011-M-0694, 73.011-M-0695, 73.011-M-0696, 73.011-M-0697, 73.011-M-0698, 73.011-M-0699, 73.011-M-0700, 73.011-M-0701, 73.011-M-0702, 73.011-M-0703, 73.011-M-0704, 73.011-M-0705, 73.011-M-1023, 73.011-M-1024, 73.011-M-1025, 73.011-M-1026, 73.011-M-1027, 73.011-M-1028, 73.011-M-1029, 73.011-M-1030, 73.011-M-1031, 73.011-M-1032, 73.011-M-1033, 73.011-M-1034, 73.011-M-1035, 73.011-M-1036, 73.011-M-1037, 73.011-M-1038, 73.011-M-1039, 73.014-M-0003.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.011-M-0762, 73.011-M-0763, 73.011-M-0764, 73.011-M-0765, 73.011-M-0766, 73.011-M-0767, 73.011-M-0768, 73.011-M-0769, 73.011-M-0770, 73.011-M-0795, 73.011-M-0796, 73.011-M-0797, 73.011-M-0798, 73.011-M-0799, 73.011-M-0800, 73.011-M-0801, 73.011-M-0802, 73.011-M-0834, 73.011-M-0835, 73.011-M-0836, 73.011-M-0837, 73.011-M-0838, 73.011-M-0839, 73.011-M-0840, 73.011-M-0841, 73.011-M-0842, 73.011-M-0843, 73.011-M-0844, 73.011-M-0845, 73.011-M-0846, 73.011-M-0847, 73.011-M-0848, 73.011-M-0880, 73.011-M-0881, 73.011-M-0882, 73.011-M-0883, 73.011-M-0884, 73.011-M-0885, 73.011-M-0886, 73.011-M-0887, 73.011-M-0888, 73.011-M-0889, 73.011-M-0890, 73.011-M-0891.
Epomops franqueti (Tomes, 1860):
RMCA: 73.011-M-0630, 73.029-M-0089.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.011-M-0550, 73.011-M-0551, 73.011-M-0552, 73.011-M-0553, 73.011-M-0554, 73.011-M-0555, 73.011-M-0556, 73.011-M-0557, 73.011-M-0558, 73.011-M-0559, 73.011-M-0560, 73.011-M-0561, 73.011-M-0562, 73.011-M-0934, 73.011-M-0935, 73.011-M-0936, 73.011-M-0937, 73.014-M-0001, 73.014-M-0002, 73.029-M-0084

NE 07001Ba:

Eidolon helvum (Kerr, 1792):
RMCA: 73.011-M-0609, 73.011-M-0610.
Epomops franqueti (Tomes, 1860):
RMCA: 73.011-M-0461, 73.011-M-0462, 73.011-M-0631, 73.011-M-0632, 73.011-M-0633, 73.011-M-0634.
Hipposideros caffer (Sundevall, 1846):
RMCA: 73.011-M-0375, 73.011-M-0376, 73.011-M-0645.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.011-M-0563, 73.011-M-0564, 73.011-M-0565, 73.011-M-0566.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.011-M-0620.
Neoromicia nana (Peters, 1852):
RMCA: 73.011-M-0372, 73.011-M-0373, 73.011-M-0949, 73.011-M-0950, 73.011-M-0951, 73.011-M-0952, 73.011-M-0953

NE 07002Cc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 439070, 439071, 439072, 439073, 439074.
Epomophorus gambianus (Ogilby, 1835):
USNM: 438843.
Hipposideros caffer (Sundevall, 1846):
USNM: 479275, 479279.

Hipposideros tephrus (Cabrera, 1906):
USNM: 438918, 438919, 438920, 438921, 438923, 438924, 438925, 438926.
Neoromicia nana (Peters, 1852):
USNM: 438931.
Neoromicia rendalli (Thomas, 1889):
USNM: 438948.
Nycteris gambiensis (K. Andersen, 1912):
USNM: 438874, 438877, 438879, 438880, 438881, 438893, 438894, 438899.
Nycteris hispida (Schreber, 1774):
USNM: 438878, 438882, 438883, 438884, 438885, 438886, 438887, 438888, 438889, 438890, 438891, 438892, 438895, 438896, 438897, 438898, 438900, 438901, 438902, 438908, 438909, 438910, 438911, 438912, 438913, 438914, 438915, 438916, 438917, 478929, 478930, 478936.
Nycteris macrotis Dobson, 1876:
USNM: 438875, 438876.
Scotophilus dinganii (A. Smith, 1833):
USNM: 438949, 438950

NE 07002Cd:

Epomophorus Bennett, 1836:
MNHN: ZM-MO-1983-1369.
Hipposideros abae J.A. Allen, 1917:
NMP: 91850, 91851.
Hipposideros beatus (K. Andersen, 1906):
MNHN: ZM-MO-1911-848, ZM-MO-1985-817.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1911-849 A, ZM-MO-1911-849 B, ZM-MO-1911-851.
Hipposideros jonesi Hayman, 1947:
NMP: 91842.
Hipposideros ruber (Noack, 1893):
NMP: 91848, 91849.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1911-850A, ZM-MO-1911-850B.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1911-853.
Neoromicia rendalli (Thomas, 1889):
MNHN: ZM-MO-1911-854.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1984-1333, ZM-MO-1984-1334.
Rhinolophus fumigatus Rüppell, 1842:
NMP: 91837, 91838.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1911-855

NE 07002Bc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 421539, 421540, 421541, 421542, 421543, 421544, 421545, 421546, 421547, 421548, 479837.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 421482, 421483, 421484, 421485, 421486, 421487, 421488, 421489, 421490, 421491, 421492, 421493, 421494, 421495, 421496, 421497, 421498, 421499, 421500, 421501, 421502, 421503, 421504, 421505, 421506, 421507, 421508, 421509, 421510, 421511, 421512, 421513, 421514, 421515, 421516, 479628, 479629, 479630, 479631, 479632, 479680, 479681, 479682.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 575728

NE 07003Ab:

Epomophorus gambianus (Ogilby, 1835):
HZM: 2.3174, 38.5234

NE 07003Ad:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 402809, 402810.
Coleura afra (Peters, 1852):
USNM: 402580, 402581, 402582, 402583, 402584, 402585, 402586, 402587, 402588, 402589, 402590, 402591, 402592, 402593, 402594, 402595, 402596, 402597, 402598, 402599, 402600, 402601, 402602, 402603, 402604, 402605, 402606, 478586, 478587, 478588, 478589, 478590, 478591, 478592, 478593, 478594, 478595, 478596, 478597, 478598, 478599, 478600, 478601.
Epomophorus gambianus (Ogilby, 1835):
USNM: 402343, 402344, 402345, 402346, 402347, 402348, 402349, 402350, 402351, 402352, 402353, 402354, 402355, 402356, 402357.
Epomops franqueti (Tomes, 1860):
USNM: 402465, 402466, 402467, 402468, 402469.

Hipposideros jonesi Hayman, 1947:
USNM: 402771.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 402561.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 402579, 580593.
Micropteropus pusillus (Peters, 1868):
USNM: 402499, 402500, 402501, 402502, 402503, 402504, 402505, 402506, 402507, 402508, 402509, 402510.
Myonycteris angolensis (Bocage, 1898):
USNM: 402314, 402315.
Myonycteris angolensis smithii (Thomas, 1908):
HZM: 1.4139, 2.4140, 3.4141.
Nycteris hispida (Schreber, 1774):
USNM: 402703

NE 07003Bc:

Epomops franqueti (Tomes, 1860):
ROM: 77728, 77729

NE 07003Bd:

Chaerephon nigeriae nigeriae Thomas, 1913:
USNM: 378866.
Chaerephon pumilus (Cretzschmar, 1826):
USNM: 377130, 377131.
Eidolon helvum (Kerr, 1792):
BMNH: 1950.169, 1950.170. - **USNM:** 377102, 377103, 377104, 377105, 377106, 377107, 377108, 377109, 483195.
Epomophorus gambianus (Ogilby, 1835):
BMNH: 1950.172, 1962.444. - **USNM:** 377096, 377097, 378768, 378769, 378770, 378771, 378772, 378777, 379500, 402318, 402319, 402320, 402321, 402322, 402323, 402324, 402325, 402326, 402327, 402328, 402329, 402330, 402331, 402332, 402333, 402334, 402335, 402336, 402337, 402338, 402340, 402341, 402342, 402358, 402359, 402360, 402361, 402391, 402448, 402449, 483175, 483176, 483177, 483178. - **ZMA:** MAM.18596, MAM.18597, MAM.18598. - **ZMUI:** 126, 127, 128, 129, 130, 131, 132, 133, 155, 17, 27, 35, 36, 37, 38, 41.
Epomophorus gambianus gambianus (Ogilby, 1835):
AMNH: 204294, 204295. - **FMNH:** 99075, 99076, 99077, 99078, 99079.
Epomophorus minor Dobson, 1880:
AMNH: 204296.
Epomops buettikoferi (Matschie, 1899):
BMNH: 1966.1170.
Epomops franqueti (Tomes, 1860):
AMNH: 204293. - **BMNH:** 1961.82, 1961.83, 1961.84. - **FMNH:** 99051, 99052, 99053, 99054, 99055, 99056, 99057, 99058, 99059, 99060, 99061, 99062. - **ROM:** 79202, 79203, 79204, 79205, 79206. - **USNM:** 377095, 402339, 402450, 402451, 402452, 402453, 402454, 402455, 402456, 402457, 402458, 402459, 402460, 402461, 402462, 402463, 402464, 402470, 402471, 402472, 402473, 402474, 402475, 402476, 402477, 483179, 483180, 483181, 483182, 483183, 483184, 483185, 483186, 483187, 483188, 483189, 483190, 483191, 483192, 483193, 483194. - **ZMA:** MAM.19032, MAM.19033, MAM.19088, MAM.19089.
Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1962.246. - **FMNH:** 99080, 99081. - **USNM:** 402562. - **ZMA:** MAM.18599, MAM.18600.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ROM: 79201.
Micropteropus pusillus (Peters, 1868):
AMNH: 204297. - **BMNH:** 1961.76, 1961.77, 1961.78, 1961.79, 1961.80. - **FMNH:** 99063, 99064, 99065, 99066, 99067, 99068, 99069, 99070, 99071, 99072, 99073, 99074. - **USNM:** 375938, 377099, 377100, 377101, 378778, 378780, 378781, 402478, 402479, 402480, 402481, 402482, 402483, 402484, 402485, 402486, 402487, 402488, 402489, 402490, 402491, 402492, 402493, 402494, 402495, 402496, 402497, 402498, 402520, 402521, 402522, 402523, 402524, 402525, 402526, 402556, 402557, 402558, 402559, 402560. - **ZMA:** MAM.19057, MAM.19058, MAM.19059.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 377140, 377141, 377142, 377143, 377144, 377145, 377146, 377147, 377148, 377149, 377150, 377151, 377152, 377153, 377154, 377155, 377156, 377157, 377158, 377159, 377160, 377161, 377162, 377163, 377164, 377165, 377166, 377167, 377168, 377169, 377170, 377171, 377172, 377173, 377174, 377175, 377176, 377177, 377178, 377179, 377180, 377181, 377182, 377183, 377184, 377185, 377186, 377187, 377188, 377189, 377190, 377191, 377192, 377193, 377194, 377195, 377196, 377197, 377198, 377199, 377200, 377201, 377202, 377203, 377204, 377205, 377206, 377207, 377208, 377209, 377210, 377211, 377212, 377213, 377214, 377215, 377216, 377217, 377218, 377219, 377220, 377221, 377249, 377250, 377251, 377252, 377253, 377254, 377255, 377256, 377257, 377258, 377259, 377260, 377261, 377262, 377263, 377264, 377265, 377266, 377267, 379528, 379529, 379530, 379531, 379532, 379533, 379534, 379535, 379536, 379537.
Myonycteris angolensis smithii (Thomas, 1908):
ZMUI: 144.
Myonycteris torquata (Dobson, 1878):
USNM: 377094, 378779, 402317.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 79199, 79200.
Neoromicia nana (Peters, 1852):
USNM: 402777. - **ZMUC:** 2392, 2393.

Nycteris hispida (Schreber, 1774):
AMNH: 204298. - **BMNH:** 1955.622, 1957.430.
Nycteris macrotis Dobson, 1876:
USNM: 580594, 580595, 580596, 580597.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 483196.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1962.249, 1962.250. - **USNM:** 378847, 378848, 378849, 378850, 378851, 378852, 378853, 378854, 378855, 378856, 378857, 378858, 378859, 378860, 378861, 379526, 379527, 402779, 402780, 402781, 402782, 402783, 402784, 402785, 402786, 402787, 402788. - **ZMA:** MAM.18461, MAM.18462, MAM.18463, MAM.18464, MAM.18465.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 204292.
Scotophilus nigrita (Schreber, 1774):
USNM: 483197.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.20949

NE 07004Ca:

Nycteris macrotis Dobson, 1876:
BMNH: 1908.10.25.2

NE 07004Bc:

Eidolon helvum (Kerr, 1792):
ZMA: MAM.18414, MAM.18415, MAM.18466, MAM.18467, MAM.18468, MAM.18469, MAM.18470, MAM.18471, MAM.18472, MAM.18473, MAM.18474, MAM.18475, MAM.18476, MAM.18477, MAM.18478, MAM.18479, MAM.18480, MAM.18481, MAM.18482, MAM.18483, MAM.18484, MAM.18485, MAM.18486.
Epomops buettikoferi (Matschie, 1899):
ZMA: MAM.19090, MAM.19091, MAM.19092, MAM.19093, MAM.19094, MAM.19095, MAM.19096.
Epomops franqueti (Tomes, 1860):
ZMA: MAM.19097.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ZMA: MAM.18606.
Micropteropus pusillus (Peters, 1868):
ZMA: MAM.19069, MAM.19070

NE 07004Da:

Eidolon helvum (Kerr, 1792):
USNM: 580560, 580561, 580562, 580563, 580564, 580565, 580566, 580567, 580568, 580569, 580570, 580571, 580572.
Epomops buettikoferi (Matschie, 1899):
HZM: 2.4229.
Epomops franqueti (Tomes, 1860):
AMNH: 245687, 245688.
Hipposideros beatus (K. Andersen, 1906):
ZMA: MAM.18380, MAM.18381.
Micropteropus pusillus (Peters, 1868):
ZMA: MAM.19060

NE 07005Dc:

Myonycteris angolensis (Bocage, 1898):
ROM: 77696, 77741

NE 07006Da:

Neoromicia nana (Peters, 1852):
USNM: 402773, 402774

NE 07006Dc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 402844, 402845, 402846, 402847, 402848, 402849, 402850, 402851.
Epomophorus gambianus (Ogilby, 1835):
USNM: 402431, 402439, 402440, 402441, 402442, 402443, 402444, 402445, 402446, 402447.
Hipposideros tephrus (Cabrera, 1906):
USNM: 402734, 402735, 402736, 402737, 402738, 402739, 402740, 402741, 402742, 402743, 402744, 402745, 402746, 402747.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 402563.
Micropteropus pusillus (Peters, 1868):
USNM: 402541, 402542, 402543, 402544, 402545, 402546, 402547, 402548, 402549, 402550, 402551, 402552, 402553, 402554, 402555.

Myonycteris torquata (Dobson, 1878):
USNM: 402316

NE 07007Ca:

Pipistrellus nanulus Thomas, 1904:
ROM: 86286, 86287

NE 07007Cb:

Hipposideros beatus (K. Andersen, 1906):
ROM: 86288

NE 07009Ac:

Micropteropus pusillus (Peters, 1868):
ZMA: MAM.19055, MAM.19056.
Rhinolophus fumigatus Rüppell, 1842:
ZMA: MAM.18376, MAM.18377

NE 07011Aa:

Chaerephon major (Trouessart, 1897):
SMNS: 41347, 41348, 41349, 41350. - **ZFMK:** 1988.0103, 1988.0104, 1988.0105, 1988.0106

NE 07011Ba:

Hipposideros ruber (Noack, 1893):
SMNS: 41339, 41340. - **ZFMK:** 1988.0098.
Neoromicia capensis (A. Smith, 1829):
SMNS: 41342.
Pipistrellus hesperidus (Temminck, 1840):
SMNS: 41343, 41344.
Rhinolophus simulator K. Andersen, 1904:
ZFMK: 1988.0099, 1988.0100

NE 07012Ab:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.016-M-0122, 73.016-M-0123, 73.016-M-0124, 73.016-M-0125, 73.016-M-0126, 73.016-M-0127.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.016-M-0419.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.016-M-0029, 73.016-M-0030, 73.016-M-0031, 73.016-M-0032, 73.016-M-0033, 73.016-M-0034, 73.016-M-0035, 73.016-M-0036, 73.016-M-0037, 73.016-M-0038, 73.016-M-0039, 73.016-M-0040, 73.016-M-0041, 73.016-M-0042, 73.016-M-0043, 73.016-M-0044, 73.016-M-0045, 73.016-M-0046, 73.016-M-0047, 73.016-M-0048, 73.016-M-0049, 73.016-M-0050, 73.016-M-0051, 73.016-M-0052, 73.016-M-0053, 73.016-M-0054, 73.016-M-0058, 73.016-M-0059, 73.016-M-0060, 73.016-M-0061, 73.016-M-0062, 73.016-M-0063, 73.016-M-0064, 73.016-M-0065, 73.016-M-0066, 73.016-M-0067, 73.016-M-0068, 73.016-M-0069, 73.016-M-0070, 73.016-M-0071, 73.016-M-0072, 73.016-M-0073, 73.016-M-0074, 73.016-M-0075, 73.016-M-0076, 73.016-M-0077, 73.016-M-0078, 73.016-M-0079, 73.016-M-0080, 73.016-M-0081, 73.016-M-0082, 73.016-M-0083, 73.016-M-0084, 73.016-M-0085, 73.016-M-0086, 73.016-M-0087, 73.016-M-0088, 73.016-M-0089, 73.016-M-0090, 73.016-M-0091, 73.016-M-0092, 73.016-M-0093, 73.016-M-0094, 73.016-M-0095, 73.016-M-0096, 73.016-M-0097, 73.016-M-0098, 73.016-M-0357, 73.016-M-0358, 73.016-M-0359, 73.016-M-0360, 73.016-M-0361, 73.016-M-0362, 73.016-M-0363, 73.016-M-0364, 73.016-M-0365, 73.016-M-0366, 73.016-M-0367, 73.016-M-0368, 73.016-M-0369, 73.016-M-0370, 73.016-M-0371, 73.016-M-0372, 73.016-M-0373, 73.016-M-0374, 73.016-M-0375, 73.016-M-0376, 73.016-M-0377, 73.016-M-0378, 73.016-M-0379, 73.016-M-0380, 73.016-M-0381, 73.016-M-0382, 73.016-M-0383, 73.016-M-0384, 73.016-M-0385.
Miniopterus inflatus Thomas, 1903:
RMCA: 73.016-M-0309.
Neoromicia nana (Peters, 1852):
RMCA: 73.016-M-0425, 73.016-M-0426.
Nycteris hispida (Schreber, 1774):
RMCA: 73.016-M-0145.
Nycteris macrotis Dobson, 1876:
RMCA: 73.016-M-0160.
Pipistrellus nanulus Thomas, 1904:
RMCA: 73.016-M-0311.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 73.016-M-0420.
Rhinolophus simulator K. Andersen, 1904:
RMCA: 73.016-M-0313

NE 07012Bb:

Epomophorus gambianus (Ogilby, 1835):
SMF: 5823

NE 07013Ba:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.017-M-0188, 73.017-M-0189, 73.017-M-0190, 73.017-M-0191, 73.017-M-0192, 73.017-M-0193, 73.017-M-0194, 73.017-M-0195, 73.017-M-0196, 73.017-M-0197, 73.017-M-0198, 73.017-M-0199, 73.017-M-0200, 73.017-M-0201, 73.017-M-0202, 73.017-M-0203, 73.017-M-0204, 73.017-M-0205, 73.017-M-0206, 73.017-M-0207, 73.017-M-0208, 73.017-M-0209, 73.017-M-0210, 73.017-M-0211, 73.017-M-0212, 73.017-M-0213, 73.017-M-0214, 73.017-M-0215, 73.017-M-0216, 73.017-M-0217, 73.017-M-0218, 73.017-M-0310, 73.017-M-0311.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.017-M-0048, 73.017-M-0049, 73.017-M-0050, 73.017-M-0051, 73.017-M-0052, 73.017-M-0053, 73.017-M-0054, 73.017-M-0055, 73.017-M-0056, 73.017-M-0057, 73.017-M-0058, 73.017-M-0059, 73.017-M-0060, 73.017-M-0061, 73.017-M-0062, 73.017-M-0063, 73.017-M-0065, 73.017-M-0066.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.017-M-0695.
Neoromicia nana (Peters, 1852):
RMCA: 73.017-M-0252, 73.017-M-0253.
Neoromicia somalica (Thomas, 1901):
CM: 58515.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 73.017-M-0327, 73.017-M-0328, 73.017-M-0329, 73.017-M-0330, 73.017-M-0331, 73.017-M-0332, 73.017-M-0333, 73.017-M-0334, 73.017-M-0335, 73.017-M-0336, 73.017-M-0337, 73.017-M-0338, 73.017-M-0339, 73.017-M-0340, 73.017-M-0341, 73.017-M-0342, 73.017-M-0343, 73.017-M-0344, 73.017-M-0345, 73.017-M-0346, 73.017-M-0347, 73.017-M-0348, 73.017-M-0349, 73.017-M-0350, 73.017-M-0351, 73.017-M-0352, 73.017-M-0353, 73.017-M-0354, 73.017-M-0355, 73.017-M-0356.
Scotoecus hirundo (de Winton, 1899):
RMCA: 73.017-M-0255

NE 07013Bc:

Epomophorus gambianus (Ogilby, 1835):
AMNH: 241006, 241007, 241008. - **CM:** 58168. - **RMCA:** 75.003-M-0072, 75.003-M-0073.
Epomophorus labiatus (Temminck, 1837):
TTU: 17941, 17942.
Micropteropus pusillus (Peters, 1868):
AMNH: 241019.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.016-M-0600.
Scotoecus hindei Thomas, 1901:
AMNH: 241055.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 241031

NE 07013Dc:

Nycteris macrotis Dobson, 1876:
MHNG: 1626.007.
Pipistrellus inexspectatus Aellen, 1959:
MHNC: |TS324|

NE 07014Aa:

Hipposideros ruber (Noack, 1893):
RMCA: 75.003-M-0136.
Neoromicia somalica (Thomas, 1901):
RMCA: 75.003-M-0100

NE 07015Aa:

Mops (Mops) congicus J.A. Allen, 1917:
AMNH: 241063.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 241072, 241073, 241074

NE 07015Db:

Myonycteris torquata (Dobson, 1878):
MNHN: ZM-MO-1981-989

NE 07015Dd:

Eidolon helvum helvum (Kerr, 1792):
MNHN: ZM-MO-1911-778

NE 07016Dc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 20855

NE 07018Aa:

Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-990.
Neoromicia rendalli (Thomas, 1889):
MNHN: ZM-MO-1985-1048

NE 07019Da:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1979.2028. - **SMF:** 6358, 6359

NE 07020Ac:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1983.285

NE 07020Cd:

Coleura afra (Peters, 1852):
BMNH: 1981.230, 1981.231.
Epomophorus gambianus (Ogilby, 1835):
BMNH: 1981.228.
Hipposideros abae J.A. Allen, 1917:
BMNH: 1981.232.
Mops (Mops) congicus J.A. Allen, 1917:
BMNH: 1981.234.
Myonycteris torquata (Dobson, 1878):
BMNH: 1981.229.
Neoromicia nana (Peters, 1852):
BMNH: 1981.240.
Nycticeinops schlieffenii (Peters, 1859):
BMNH: 1981.239.
Otomops martiensseni (Matschie, 1897):
BMNH: 1981.233, 1981.238.
Rhinolophus fumigatus Rüppell, 1842:
BMNH: 1981.235, 1981.236.
Rhinolophus landeri Martin, 1838:
BMNH: 1981.237

NE 07021Ac:

Coleura afra (Peters, 1852):
MNHN: ZM-MO-2000-961, ZM-MO-2000-962, ZM-MO-2000-963, ZM-MO-2000-964, ZM-MO-2000-965, ZM-MO-2000-966, ZM-MO-2000-967, ZM-MO-2000-968, ZM-MO-2000-969, ZM-MO-2000-970, ZM-MO-2000-971, ZM-MO-2000-972, ZM-MO-2000-973, ZM-MO-2000-974, ZM-MO-2000-975, ZM-MO-2000-976.
Epomophorus gambianus (Ogilby, 1835):
CM: 73584.
Hipposideros abae J.A. Allen, 1917:
MNHN: ZM-MO-2000-929, ZM-MO-2000-981, ZM-MO-2000-982.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-2000-845, ZM-MO-2000-846, ZM-MO-2000-847, ZM-MO-2000-848, ZM-MO-2000-849, ZM-MO-2000-850, ZM-MO-2000-894, ZM-MO-2000-895, ZM-MO-2000-896, ZM-MO-2000-897, ZM-MO-2000-898, ZM-MO-2000-899, ZM-MO-2000-900, ZM-MO-2000-901, ZM-MO-2000-902, ZM-MO-2000-903, ZM-MO-2000-904, ZM-MO-2000-985.
Neoromicia nana (Peters, 1852):
CM: 73727.
Neoromicia somalica (Thomas, 1901):
CM: 73719, 73720, 73721, 73722, 73723, 73724, 73725.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-2000-977, ZM-MO-2000-978

NE 07026Ca:

Epomophorus labiatus (Temminck, 1837):
MSU: MR.33400.
Mops (Mops) condylurus (A. Smith, 1833):
MSU: MR.33444

NE 07027Bb:

Chaerephon pumilus (Cretzschmar, 1826):
MSU: MR.33450.
Epomophorus labiatus (Temminck, 1837):
MSU: MR.33391, MR.33392, MR.33393, MR.33394, MR.33414, MR.33415, MR.33416, MR.33417.
Micropteropus pusillus (Peters, 1868):
MSU: MR.33388.
Mops (Mops) condylurus (A. Smith, 1833):
MSU: MR.33501

NE 07027Db:

Pipistrellus rueppellii (Fischer, 1829):
MSU: MR.33371

NE 07028Ac:

Epomophorus labiatus (Temminck, 1837):
MSU: MR.33382, MR.33383.
Neoromicia somalica (Thomas, 1901):
MSU: MR.33456, MR.33457, MR.33458, MR.33459.
Pipistrellus rueppellii (Fischer, 1829):
MSU: MR.33370

NE 07028Ca:

Chaerephon major (Trouessart, 1897):
MSU: MR.33462, MR.33463, MR.33464, MR.33465, MR.33466, MR.33467, MR.33468, MR.33469, MR.33470, MR.33471, MR.33472, MR.33476, MR.33477, MR.33478, MR.33479, MR.33480, MR.33481, MR.33482, MR.33483, MR.33484, MR.33485, MR.33486, MR.33487, MR.33488, MR.33489, MR.33490, MR.33491, MR.33492, MR.33493, MR.33494, MR.33495, MR.33496, MR.33497, MR.33498, MR.33499, MR.33500, MR.33619.
Chaerephon pumilus (Cretzschmar, 1826):
MSU: MR.33447, MR.33448, MR.33449, MR.33504, MR.33505.
Epomophorus labiatus (Temminck, 1837):
MSU: MR.33376, MR.33384, MR.33389, MR.33395, MR.33396, MR.33615.
Micropteropus pusillus (Peters, 1868):
MSU: MR.33386, MR.33406, MR.33407.
Neoromicia capensis (A. Smith, 1829):
MSU: MR.33374, MR.33375, MR.33436, MR.33437, MR.33438, MR.33439.
Neoromicia somalica (Thomas, 1901):
MSU: MR.33373, MR.33440, MR.33441, MR.33442, MR.33451, MR.33452, MR.33453, MR.33454, MR.33455.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MSU: MR.33369.
Scotoecus hirundo (de Winton, 1899):
MSU: MR.33372.
Scotophilus Leach, 1821:
MSU: MR.33631, MR.33638.
Scotophilus nigrita (Schreber, 1774):
MSU: MR.33473, MR.33474, MR.33475, MR.33507, MR.33508, MR.33509, MR.33510, MR.33511, MR.33512, MR.33513, MR.33514, MR.33515, MR.33516, MR.33517, MR.33518, MR.33519, MR.33520, MR.33521, MR.33522, MR.33523, MR.33524, MR.33525, MR.33526, MR.33527, MR.33528, MR.33529, MR.33530, MR.33531, MR.33532, MR.33533, MR.33534, MR.33535, MR.33536, MR.33537, MR.33538, MR.33539, MR.33540, MR.33541, MR.33542, MR.33543, MR.33544, MR.33545, MR.33546, MR.33547, MR.33548, MR.33549, MR.33577, MR.33578, MR.33613, MR.33616, MR.33617, MR.33618, MR.33620, MR.33622, MR.33623, MR.33624, MR.33625, MR.33626, MR.33628

NE 07028Bc:

Epomophorus labiatus (Temminck, 1837):
SMNS: 1090, 1091.
Glauconycteris variegata (Tomes, 1861):
ROM: 72075, 72079.
Hipposideros caffer (Sundevall, 1846):
ZMB: 26555, 26557, 26559, 26561, 3296b, 3799, 6255, 67720, 67721, 8397, 8398.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 72076.
Nycteris hispida (Schreber, 1774):
ROM: 62611-b.
Scotoecus hirundo (de Winton, 1899):
ROM: 71907, 72068, 72082, 72083.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 72077.
Scotophilus viridis (Peters, 1852):
ROM: 72061, 72062, 72063, 72064, 72065

NE 07028Bd:

Epomophorus labiatus (Temminck, 1837):
SMNS: 29862, 29881.
Neoromicia somalica (Thomas, 1901):
ROM: 71927, 72074.
Neoromicia zuluensis (Roberts, 1924):
ROM: 72072.
Nycteris hispida (Schreber, 1774):
ROM: 72067.
Pipistrellus hesperidus (Temminck, 1840):
ROM: 72070, 72071, 72073, 72080, 72081.
Pipistrellus rueppellii (Fischer, 1829):
ROM: 72078

NE 07030Bb:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 166639, 166640.
Nycteris hispida (Schreber, 1774):
ROM: 72084

NE 07031Ab:

Nycteris hispida (Schreber, 1774):
BMNH: 1920.4.26.3, 1920.4.26.4, 1966.3420, 1966.3421, 1966.3422. - **FMNH:** 48765, 48766. - **KM:** 1673, 1674

NE 07034Ca:

Neoromicia tenuipinnis (Peters, 1872):
USNM: 521057

NE 07035Ac:

Pipistrellus rusticus (Tomes, 1861):
ZMMU: S-168929, S-168931

NE 07035Ab:

Pipistrellus rusticus (Tomes, 1861):
ZMMU: S-167221

NE 07035Ad:

Epomophorus gambianus (Ogilby, 1835):
BRTC: 58463, 58464.
Micropteropus pusillus (Peters, 1868):
BRTC: 58455, 58456, 58460.
Myonycteris angolensis (Bocage, 1898):
BRTC: 58472, 58481, 58482.
Pipistrellus nanulus Thomas, 1904:
BRTC: 57925, 57926.
Scotophilus ejetai Brooks and Bickham, 2014:
BRTC: 57927.
Stenonycteris lanosus (Thomas, 1906):
BRTC: 58452

NE 07035Cd:

Miniopterus natalensis (A. Smith, 1833):
NMP: 92177, 92178

NE 07036Ac:

Rhinolophus clivosus Cretzschmar, 1828:
NMP: pb5574

NE 07036Cb:

Myotis welwitschii (Gray, 1866):
MHNG: 1717.018.
Stenonycteris lanosus (Thomas, 1906):
FMNH: 105409.

Triaenops afer Peters, 1877:
FMNH: 105413, 105414

NE 07036Ba:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
BRTC: 57911.
Epomophorus gambianus (Ogilby, 1835):
BRTC: 58466.
Myonycteris angolensis (Bocage, 1898):
BRTC: 58470, 58471.
Myotis Kaup, 1829:
BRTC: 57909

NE 07036Da:

Laephotis wintoni Thomas, 1901:
ZMMU: S-165956, S-165957.
Pipistrellus aero Heller, 1912:
ZMMU: S-164969

NE 07036Dc:

Epomophorus gambianus (Ogilby, 1835):
MNHN: 04025. - **ZMB:** 67050.
Epomophorus gambianus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1972-478A, ZM-MO-1972-478B, ZM-MO-1972-478C.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1972-479.
Myonycteris angolensis petraea (Bergmans, 1997):
ZMA: MAM.25180

NE 07036Bd:

Pipistrellus rusticus (Tomes, 1861):
ZMMU: S-166080

NE 07036Db:

Myotis scotti Thomas, 1927:
SMF: 49593, 49594, 49595, 49596.
Neoromicia nana (Peters, 1852):
SMF: 49590, 49591, 49592.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
SMF: 44867

NE 07037Ba:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 67882, 67883

NE 07038Ab:

Epomophorus gambianus (Ogilby, 1835):
SMF: 45016, 45017, 45018, 45117, 45119, 45120.
Epomophorus labiatus (Temminck, 1837):
SMF: 45011, 45012, 45014, 45015, 45019, 45021, 45022. - **ZMA:** MAM.17343

NE 07038Bc:

Hipposideros ruber (Noack, 1893):
FMNH: 105424.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 105420, 105421.
Rhinolophus landeri Martin, 1838:
FMNH: 105385, 105386, 105387, 105388, 105389, 105390, 105391, 105392, 105393, 105394, 105395, 105396, 105397, 105398, 105399, 105400, 105401, 105402, 105403, 105404, 105405, 105406, 105407, 105408

NE 07038Da:

Chaerephon pumilus (Cretzschmar, 1826):
HNHM: 95.89.73, 95.89.74, 95.89.75, 95.89.76, 95.89.77, 95.89.78, 95.89.79, 95.89.80, 95.89.81, 95.89.82, 95.89.83, 95.89.84, 95.89.85, 95.89.86, 95.89.87, 95.89.88, 95.89.89.

Epomophorus labiatus (Temminck, 1837):
BMNH: 1971.2423. - **SMF:** 45733. - **USNM:** 497522, 497528.
Epomophorus minimus Claessen & De Vree, 1991:
USNM: 497521, 497523, 497524, 497525, 497526, 497527.
Epomophorus minor Dobson, 1880:
BMNH: 1971.2420, 1971.2421, 1971.2422, 1971.2425.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 589174.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1969.869. - **SMF:** 28255, 28256.
Pipistrellus Kaup, 1829:
USNM: 589157, 589158, 589159.
Rhinolophus fumigatus Rüppell, 1842:
HNHM: 95.87.1, 95.87.2, 95.87.3, 95.87.4, 95.87.5.
Scotophilus dinganii (A. Smith, 1833):
USNM: 589162, 589163, 589164, 589165, 589166, 589167, 589169, 589170, 589171, 589172.
Taphozous E. Geoffroy St.-Hilaire, 1818:
USNM: 589149.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
SMF: 45731

NE 07038Bb:

Rhinolophus hildebrandtii Peters, 1878:
MNHN: ZM-MO-1972-490 A, ZM-MO-1972-490 B.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1972-481

NE 07039Bb:

Rhinolophus clivosus Cretzschmar, 1828:
MNHN: ZM-MO-1972-486 A, ZM-MO-1972-486 B, ZM-MO-1972-486 C, ZM-MO-1972-486 D

NE 07040Ba:

Cardioderma cor (Peters, 1872):
MNHN: ZM-MO-1972-484, ZM-MO-1972-484 A, ZM-MO-1972-484 D.
Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-MO-1972-477 A, ZM-MO-1972-477 B, ZM-MO-1972-477 C, ZM-MO-1972-477 D, ZM-MO-1972-477 E, ZM-MO-1972-477 F.
Neoromicia capensis (A. Smith, 1829):
MNHN: ZM-MO-1972-492.
Neoromicia nana (Peters, 1852):
ROM: 71830, 71835, 71866, 71905, 71939.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 71901.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 71818, 71851.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 71808, 71809, 71810, 71826, 71827, 71836, 71840, 71854, 71855, 71860, 71861, 71863, 71864, 71870, 71871, 71872, 71874, 71879, 71881, 71887, 71888, 71889, 71890, 71891, 71892, 71893, 71896, 71897, 71902, 71903, 71904, 71908, 71909, 71910.
Scotophilus dinganii (A. Smith, 1833):
ROM: 71814, 71819, 71825, 71831, 71833, 71875.
Triaenops afer Peters, 1877:
ROM: 71807, 71906

NE 07040Bc:

Epomophorus minor Dobson, 1880:
ROM: 71815, 71822, 71837, 71838, 71839, 71841, 71846, 71850, 71857, 71868, 71886, 71898, 71900

NE 07040Da:

Epomophorus minimus Claessen & De Vree, 1991:
ROM: 71811, 71812, 71813, 71816, 71820, 71821, 71823, 71832, 71842, 71843, 71844, 71848, 71849, 71852, 71853, 71856, 71858, 71859, 71862, 71867, 71869, 71873, 71876, 71877, 71878, 71880, 71882, 71883, 71884, 71885, 71894, 71895, 71899, 71911.
Rhinolophus hildebrandtii Peters, 1878:
ZMB: 72252, 72253

NE 07041Ad:

Neoromicia nana (Peters, 1852):
USNM: 462748

NE 07045Aa:

Scotophilus dinganii (A. Smith, 1833):
BMNH: 1899.2.11.2

NW 06011Ca:

Epomops buettikoferi (Matschie, 1899):
RMCA: 35643

NW 06011Cc:

Epomops buettikoferi (Matschie, 1899):
RMCA: 35642

NW 06011Cd:

Eidolon helvum (Kerr, 1792):
USNM: 102461.
Micropteropus pusillus (Peters, 1868):
AMNH: 276132, 276133, 276134, 276135.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 276124, 276125, 276126, 276127, 276128, 276129, 276130.
Neoromicia nana (Peters, 1852):
AMNH: 276136, 276137

NW 06010Cc:

Neoromicia nana (Peters, 1852):
MCZ: 28563, 28564, 28565, 28566, 28567, 28568, 28569, 28570, 28571, 28572, 28573, 28574, 28575, 28576, 28577, 28578, 28579, 28580, 28581, 28582, 28583, 28584

NW 06010Ab:

Hypsignathus monstrosus H. Allen, 1862:
ZMA: MAM.14576.
Neoromicia nana (Peters, 1852):
RMNH: MAM.17836.
Nycteris grandis Peters, 1865:
RMNH: MAM.17837

NW 06010Ad:

Epomops buettikoferi (Matschie, 1899):
AMNH: 167541, 204449, 207007, 207008, 207009, 207010, 207011, 207012, 207013. - **LACM:** 19584.
Hipposideros ruber (Noack, 1893):
MVZ: 133065, 133066.
Mimetillus moloneyi (Thomas, 1891):
KU: 135730, 135731.
Myotis bocagii cupreolus Thomas, 1904:
FMNH: 64455, 64456.
Neoromicia nana (Peters, 1852):
MCZ: 24343, 24345, 25141, 25142. - **MVZ:** 133070, 133071, 133072, 133073, 133074, 133075, 133076, 133077, 133078, 133079, 133080, 133081, 133082.
Neoromicia tenuipinnis (Peters, 1872):
MVZ: 133067, 133068, 133069.
Nycteris hispida (Schreber, 1774):
AMNH: 89452. - **MVZ:** 133062, 133063, 133064. - **USNM:** 269976.
Nycteris macrotis Dobson, 1876:
AMNH: 89448, 89449, 89451.
Pipistrellus Kaup, 1829:
USNM: 269977

NW 06010Cd:

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
AMNH: 276101, 276102

NW 06010Ba:

Chaerephon major (Trouessart, 1897):
AMNH: 257070, 257071, 257072, 257073, 257074, 257075, 257076, 257077.

Epomophorus gambianus (Ogilby, 1835):
AMNH: 257014, 257015.
Epomops buettikoferi (Matschie, 1899):
RMNH: MAM.19639, MAM.19639b.
Hipposideros beatus (K. Andersen, 1906):
MCZ: 24327, 24328.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
RMNH: MAM.20402.
Micropteropus pusillus (Peters, 1868):
AMNH: 257028.
Myonycteris leptodon K. Andersen, 1908:
RMNH: MAM.17359.
Neoromicia nana (Peters, 1852):
MCZ: 24339, 24340, 24341.
Nycteris arge Thomas, 1903:
MCZ: 24152. - **RMNH:** MAM.17835.
Nycteris grandis Peters, 1865:
MCZ: 24154.
Nycteris hispida (Schreber, 1774):
MCZ: 24153. - **RMNH:** MAM.27226

NW 06010Bc:

Epomops buettikoferi (Matschie, 1899):
RMCA: 35644. - **USNM:** 83798.
Hipposideros beatus (K. Andersen, 1906):
USNM: 83857.
Hipposideros lamottei Brosset, 1985:
USNM: 83799.
Hipposideros ruber (Noack, 1893):
USNM: 83800, 83801, 83802.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 83803, 83804.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
AMNH: 185265.
Neoromicia nana (Peters, 1852):
USNM: 84499, 84500

NW 06010Da:

Epomops buettikoferi (Matschie, 1899):
RMNH: MAM.19638.
Epomops franqueti (Tomes, 1860):
RMCA: 36263, 36264, 36265.
Myonycteris leptodon K. Andersen, 1908:
RMCA: 80.043-M-0007

NW 06010Bd:

Eidolon helvum helvum (Kerr, 1792):
AMNH: 257034.
Epomops franqueti (Tomes, 1860):
USNM: 21661.
Micropteropus pusillus (Peters, 1868):
AMNH: 257026, 257027.
Mimetillus moloneyi (Thomas, 1891):
AMNH: 257057, 257058.
Neoromicia nana (Peters, 1852):
FMNH: 34153. - **HZM:** 1.4024, 2.4025, 3.4026, 4.4027. - **USNM:** 481731.
Neoromicia tenuipinnis (Peters, 1872):
AMNH: 89450. - **FMNH:** 34151, 34152. - **MCZ:** 25143, 25569, 25570, 25571, 25572, 25573, 25575, 25576, 25577, 25578, 25580, 25581, 25582, 27130

NW 06010Dd:

Epomops buettikoferi (Matschie, 1899):
AMNH: 256529.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
AMNH: 257035, 257036, 257037, 257038.
Myonycteris leptodon K. Andersen, 1908:
AMNH: 256530, 256992, 256993, 256994, 256995, 256996, 256997, 256998.
Myotis tricolor (Temminck, 1832):
AMNH: 257053.
Nanonycteris veldkampii (Jentink, 1888):
AMNH: 257029, 257030, 257031, 257032

NW 06008Aa:

Casinycteris ophiodon (Pohle, 1943):
USNM: 481679, 481681, 481682, 481695.
Doryrhina cyclops (Temminck, 1853):
AMNH: 239401, 239402.
Epomops buettikoferi (Matschie, 1899):
AMNH: 239364, 239365, 239366. - **USNM:** 467872, 467872b, 467873, 467874, 467875, 467876b, 467877.
Epomops franqueti (Tomes, 1860):
USNM: 481672, 481673, 481674, 481675, 481676, 481677, 481678, 481692, 481693, 481694, 582978, 582979.
Hipposideros fuliginosus (Temminck, 1853):
AMNH: 239391. - **USNM:** 481713, 481715, 481716, 481717, 481718, 481721, 481722, 481723, 481724, 481725.
Hipposideros ruber (Noack, 1893):
USNM: 481714, 481719, 481720, 481726, 481727, 481728, 481729, 481730.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 481696, 481697.
Mimetillus moloneyi (Thomas, 1891):
USNM: 481734.
Mops (Xiphonycteris) thersites (Thomas, 1903):
USNM: 481735.
Myonycteris leptodon K. Andersen, 1908:
AMNH: 239350, 239351, 239352. - **USNM:** 481665, 481666, 481667, 481668, 481669, 481670, 481671, 481689, 481690, 481691, 582977.
Neoromicia nana (Peters, 1852):
USNM: 481732.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 481733.
Pipistrellus nanulus Thomas, 1904:
AMNH: 239403.
Saccolaimus peli (Temminck, 1853):
AMNH: 239387, 239388, 239389, 239390. - **USNM:** 481698, 481699, 481700, 481701, 481702, 481703, 481704, 481705, 481706, 481707, 481708, 481709, 481710, 481711, 481712, 582980, 582981, 582982.
Scotonycteris occidentalis Hayman, 1947:
AMNH: 239382. - **USNM:** 481683, 481684, 481685, 481686, 481687, 481688

NW 06008Ca:

Neoromicia nana (Peters, 1852):
RMCA: 34859

NW 06008Cb:

Epomops buettikoferi (Matschie, 1899):
RMCA: 34870.
Myotis bocagii (Peters, 1870):
RMCA: 34871, 34872, 34873, 34874, 34875, 34876, 34877.
Neoromicia nana (Peters, 1852):
RMCA: 34860, 34861.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 34866

NW 06008Bc:

Neoromicia nana (Peters, 1852):
RMCA: 80.036-M-0033.
Nycteris arge Thomas, 1903:
RMCA: 80.036-M-0031.
Nycteris grandis Peters, 1865:
RMCA: 80.036-M-0032

NW 06008Da:

Neoromicia nana (Peters, 1852):
SMF: 20080, 20081, 20082, 20083

NW 06008Bd:

CHIROPTERA Blumenbach, 1779:
YPM: MAM 011292, MAM 011293, MAM 011294, MAM 011295, MAM 011296, MAM 011297.
Epomops buettikoferi (Matschie, 1899):
SMF: 20063

NW 06007Ac:

Saccolaimus peli (Temminck, 1853):
RMCA: 34933

NW 06007Cc:

Glauconycteris cf. beatrix Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017:
ROM: 100527, 100528, 100531, 100534, 100578.
Glauconycteris poensis (Gray, 1842):
ROM: 100515, 100544, 100545.
Hipposideros beatus (K. Andersen, 1906):
ROM: 100579.
Hipposideros caffer (Sundevall, 1846):
ROM: 100546.
Hipposideros ruber (Noack, 1893):
ROM: 100516, 100517, 100518, 100519, 100520, 100521, 100522, 100523, 100524, 100525, 100526, 100547, 100575, 100576, 100577.
Hypsugo crassulus (Thomas, 1904):
ROM: 100532, 100533.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ROM: 100536.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 100558, 100559, 100560, 100561, 100562, 100574.
Neoromicia brunnea (Thomas, 1880):
ROM: 100529, 100551.
Neoromicia nana (Peters, 1852):
ROM: 100537, 100550, 100552.
Pipistrellus nanulus Thomas, 1904:
ROM: 100530, 100538, 100539, 100548, 100549, 100563

NW 06007Cb:

Epomops buettikoferi (Matschie, 1899):
FMNH: 105323.
Hipposideros ruber (Noack, 1893):
FMNH: 105204, 105332.
Micropteropus pusillus (Peters, 1868):
ZMA: MAM.16719.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
RMCA: 97.077-M-3358, 97.077-M-3359, 97.077-M-3360, 97.077-M-3361, 97.077-M-3362, 97.077-M-3363, 97.077-M-3364, 97.077-M-3365, 97.077-M-3366, 97.077-M-3367, 97.077-M-3368, 97.077-M-3369, 97.077-M-3370.
Myonycteris angolensis smithii (Thomas, 1908):
FMNH: 105258.
Myonycteris leptodon K. Andersen, 1908:
FMNH: 105259, 105260.
Nycteris arge Thomas, 1903:
FMNH: 105203, 105324.
Nycteris nana (K. Andersen, 1912):
MHNG: 923.087.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1981-943. - **ORSTOM:** A9238, A9239. - **USNM:** 465680. - **ZMA:** MAM.16532

NW 06007Cd:

Neoromicia nana (Peters, 1852):
RMCA: 97.077-M-3297, 97.077-M-3298

NW 06007Dc:

Neoromicia tenuipinnis (Peters, 1872):
USNM: 465818, 465819.
Nycteris macrotis Dobson, 1876:
USNM: 465763.
Nycteris major (K. Andersen, 1912):
USNM: 465762.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
USNM: 465720

NW 06005Aa:

CHIROPTERA Blumenbach, 1779:
RMCA: 97.077-M-3134, 97.077-M-3135, 97.077-M-3136, 97.077-M-3139, 97.077-M-3140, 97.077-M-3141.

Doryrhina cyclops (Temminck, 1853):
MNHN: ZM-MO-1985-587, ZM-MO-1985-588, ZM-MO-1993-508, ZM-MO-1993-509. - **RMCA:** 35744. - **ROM:** 80316.
Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1985-532.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1993-154, ZM-MO-1993-155.
Epomops Gray, 1866:
MNHN: ZM-MO-1985-1713, ZM-MO-1985-1714.
Epomops buettikoferi (Matschie, 1899):
MNHN: ZM-MO-1983-1167, ZM-MO-1985-533, ZM-MO-1985-538, ZM-MO-1985-539, ZM-MO-1985-540, ZM-MO-1985-541, ZM-MO-1985-542, ZM-MO-1985-543, ZM-MO-1985-544, ZM-MO-1985-545, ZM-MO-1985-546, ZM-MO-1985-547, ZM-MO-1985-558. - **ORSTOM:** 21.539, 21.540, 21.541, 21.542, 21.543, 21.544, 21.545, 21.546, 21.548, 21.549, 21.550, 21.551, 21.552, 21.553, 21.554, 21.555, 21.556, 21.557, 21.558, 21.573, 21.584, 21.586, 21.776, 21.777, 21.778, 21.779, 21.792. - **USNM:** 465740, 465741, 465742, 465743. - **ZMA:** MAM.17257, MAM.17258, MAM.17259, MAM.17260, MAM.17261, MAM.17262, MAM.17263, MAM.17264, MAM.17265, MAM.17268, MAM.17269, MAM.17270, MAM.17271, MAM.17272.
Epomops franqueti (Tomes, 1860):
ORSTOM: 21.796. - **ZMA:** MAM.16745.
Hipposideros abae J.A. Allen, 1917:
MNHN: ZM-MO-1985-549, ZM-MO-1985-592. - **ROM:** 80319.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1985-1747, ZM-MO-1985-589, ZM-MO-1985-590, ZM-MO-1985-591, ZM-MO-1985-681. - **RMCA:** 97.077-M-3132. - **ROM:** 80318.
Hypsignathus monstrosus H. Allen, 1862:
ZMA: MAM.16527, MAM.16529.
Kerivoula lanosa (A. Smith, 1847):
HNHM: 2005.33.3. - **MNHN:** ZM-MO-1887-91.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
MNHN: ZM-2011-994, ZM-2011-995, ZM-G09052. - **RMCA:** 97.077-M-3137. - **ZMA:** MAM.16521.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1985-551. - **ORSTOM:** 1013, 21.562, 21.563, 21.570, 21.583, 21.585, 21.587, 21.588, 21.591, 21.604, 21.614, 21.618, 21.624, 21.625, 21.627, 21.629, 21.654, 21.654a, 21.691, 21.755, 21.759, 21.764, 21.785, 21.789a, 21.793, 21.794, 21.795, 21.797, 21.798. - **RMCA:** 97.077-M-3138. - **ROM:** 80315. - **ZMA:** MAM.16721, MAM.16722, MAM.16723, MAM.16724, MAM.16725, MAM.16726, MAM.16727, MAM.16728, MAM.16730, MAM.16731, MAM.16732, MAM.16733.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1985-1717. - **RMCA:** 97.077-M-3133. - **ROM:** 84966, 84967.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1985-1727, ZM-MO-1985-552.
Myonycteris angolensis smithii (Thomas, 1908):
ORSTOM: 21.582, 21.603, 21.644, 21.780, A9241. - **USNM:** 465727. - **ZMA:** MAM.16533, MAM.16535.
Myonycteris leptodon K. Andersen, 1908:
MNHN: ZM-MO-1985-535, ZM-MO-1985-536. - **ORSTOM:** 1323, 1324, 21.568, 21.589, 21.590, 21.605, 21.612, 21.613, 21.615, 21.616, 21.617, 21.620, 21.621, 21.622, 21.623, 21.626, 21.628, 21.631, 21.632, 21.633, 21.654b, 21.660, 21.754, 21.756, 21.757, 21.760, 21.782, 21.783, 21.784, 21.786, 21.787, 21.788, 21.789, 21.790, 21.791. - **ZMA:** MAM.16941, MAM.16942, MAM.16943, MAM.16944, MAM.16945, MAM.16946, MAM.16947, MAM.16948, MAM.16949, MAM.16950, MAM.16951, MAM.16952, MAM.16953, MAM.16954, MAM.16955, MAM.16956, MAM.16957, MAM.16958, MAM.16959. - **ZMB:** 66992.
Myopterus daubentonii Desmarest, 1820:
MNHN: ZM-MO-1985-1786, ZM-MO-1990-54, ZM-MO-1990-55.
Nanonycteris veldkampii (Jentink, 1888):
MNHN: ZM-MO-1985-1712, ZM-MO-1985-534, ZM-MO-1985-550. - **ORSTOM:** 21.655, 21.656. - **ZMA:** MAM.16653.
Neoromicia nana (Peters, 1852):
HZM: 260.12175. - **MNHN:** ZM-MO-1985-1720, ZM-MO-1985-1769, ZM-MO-1985-1770, ZM-MO-1985-1771, ZM-MO-1987-90.
Nycteris arge Thomas, 1903:
ROM: 80317.
Nycteris macrotis Dobson, 1876:
ROM: 80320.
Nycteris nana (K. Andersen, 1912):
MNHN: ZM-MO-1985-1729.
Rhinolophus Lacépède, 1799:
MNHN: ZM-MO-1987-92.
Rhinolophus landeri Martin, 1838:
ROM: 80321.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 97.077-M-3142.
Saccolaimus peli (Temminck, 1853):
MNHN: ZM-MO-1985-1728, ZM-MO-1985-559, ZM-MO-1985-560, ZM-MO-1985-561, ZM-MO-1992-588. - **RMCA:** 97.077-M-3155.
Scotoecus albofuscus (Thomas, 1890):
MNHN: ZM-MO-1985-1748, ZM-MO-1985-1749, ZM-MO-1985-1750, ZM-MO-1985-1751, ZM-MO-1985-1752, ZM-MO-1985-1753, ZM-MO-1985-1754, ZM-MO-1985-1755, ZM-MO-1985-1756, ZM-MO-1985-1757, ZM-MO-1985-1758, ZM-MO-1985-1759, ZM-MO-1985-1760, ZM-MO-1985-1761, ZM-MO-1985-1762, ZM-MO-1985-1763, ZM-MO-1985-1764, ZM-MO-1985-1765, ZM-MO-1985-1766, ZM-MO-1985-1767, ZM-MO-1985-1768, ZM-MO-1985-1772, ZM-MO-1985-1773, ZM-MO-1985-1774, ZM-MO-1985-1775, ZM-MO-1985-1776, ZM-MO-1985-1777, ZM-MO-1985-1778, ZM-MO-1985-1779, ZM-MO-1985-1780, ZM-MO-1985-1781, ZM-MO-1985-1782, ZM-MO-1985-1783, ZM-MO-1985-1784, ZM-MO-1985-1785, ZM-MO-1985-1788, ZM-MO-1985-1958, ZM-MO-1985-563, ZM-MO-1985-564, ZM-MO-1985-565, ZM-MO-1985-566, ZM-MO-1985-567,

ZM-MO-1985-568, ZM-MO-1985-569, ZM-MO-1985-570, ZM-MO-1985-571, ZM-MO-1985-572, ZM-MO-1985-579, ZM-MO-1985-580, ZM-MO-1985-581, ZM-MO-1985-582, ZM-MO-1985-583, ZM-MO-1985-584, ZM-MO-1992-587.
Scotonycteris occidentalis Hayman, 1947:
MNHN: ZM-MO-1981-1217. - **ORSTOM:** 21.521. - **RMCA:** 35742, 35743. - **ZMA:** MAM.16552.
Scotonycteris zenkeri Matschie, 1894:
ZMA: MAM.16522.
Scotophilus Leach, 1821:
MNHN: ZM-MO-1985-573, ZM-MO-1985-574, ZM-MO-1985-575, ZM-MO-1985-576, ZM-MO-1985-577, ZM-MO-1985-578.
Scotophilus leucogaster (Cretzschmar, 1826):
MNHN: ZM-MO-1992-586.
Scotophilus nigrita (Schreber, 1774):
MNHN: ZM-MO-1985-1710, ZM-MO-1985-1711

NW 06005Ac:

Neoromicia nana (Peters, 1852):
RMCA: 97.077-M-3245

NW 06005Ca:

Eidolon helvum (Kerr, 1792):
AMNH: 239384, 239385.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 33151, 33152.
Epomops buettikoferi (Matschie, 1899):
AMNH: 239367, 239368, 239369, 239370, 239371, 239372, 239373, 239374, 239375.
Hipposideros fuliginosus (Temminck, 1853):
AMNH: 239392, 239393, 239394, 239395, 239396.
Hipposideros ruber (Noack, 1893):
AMNH: 239397.
Micropteropus pusillus (Peters, 1868):
RMCA: 33149, 33150

NW 06005Cc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 97.077-M-3151.
Doryrhina cyclops (Temminck, 1853):
RMCA: 97.077-M-3153, 97.077-M-3154.
Epomops buettikoferi (Matschie, 1899):
MNHN: ZM-MO-1981-969, ZM-MO-1981-970, ZM-MO-1981-971, ZM-MO-1981-972, ZM-MO-1981-974, ZM-MO-1981-975. - **ORSTOM:** 21.706, 21.713, 21.714, 21.715, 21.716, 21.718, 21.719, 21.720, 21.721, 21.722, 21.723, 21.724, 21.725. - **ZMA:** MAM.17084, MAM.17085, MAM.17086, MAM.17087, MAM.17088, MAM.17089, MAM.17090, MAM.17091, MAM.17092, MAM.17093.
Hipposideros caffer (Sundevall, 1846):
RMCA: 97.077-M-3152.
Micropteropus pusillus (Peters, 1868):
ORSTOM: 21.705. - **ZMA:** MAM.16729.
Rhinolophus alcyone Temminck, 1853:
RMCA: 97.077-M-3143, 97.077-M-3144, 97.077-M-3145, 97.077-M-3146, 97.077-M-3147, 97.077-M-3148, 97.077-M-3149, 97.077-M-3150

NW 06005Ab:

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
MNHN: ZM-2011-1000, ZM-2011-1002, ZM-2011-993, ZM-2011-996, ZM-2011-997, ZM-2011-998, ZM-2011-999, ZM-G09070, ZM-G09133, ZM-GAN028.
Scotonycteris occidentalis Hayman, 1947:
MNHN: ZM-2014-565

NW 06004Bb:

Epomops buettikoferi (Matschie, 1899):
ORSTOM: 21.809, 21.810, 21.811, 21.812, 21.813, 21.816, 21.818, 21.820. - **ZMA:** MAM.17300, MAM.17301, MAM.17302, MAM.17303.
Hypsignathus monstrosus H. Allen, 1862:
ORSTOM: 21.773, 21.774. - **ZMA:** MAM.18876, MAM.18877.
Scotophilus Leach, 1821:
MNHN: ZM-MO-1986-1, ZM-MO-1986-2, ZM-MO-1986-3, ZM-MO-1986-4, ZM-MO-1986-5, ZM-MO-1986-6, ZM-MO-1986-7, ZM-MO-1986-8, ZM-MO-1986-9

NW 06004Bd:

Neoromicia nana (Peters, 1852):
MHNG: 925.011, 925.022, 925.023

NW 06003Cb:

Macronycteris gigas (Wagner, 1845):
SMF: 81923, 81924.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1985-1725

NW 06003Bc:

Doryrhina cyclops (Temminck, 1853):
RMCA: 97.077-M-3241.
Epomops buettikoferi (Matschie, 1899):
USNM: 429885, 429886.
Nycteris arge Thomas, 1903:
USNM: 429911

NW 06003Bb:

Epomops buettikoferi (Matschie, 1899):
ORSTOM: A9173, A9174, A9175, A9176, A9177, A9178, A9179, A9180, A9181, A9182. - **ZMA:** MAM.17295, MAM.17296, MAM.17297, MAM.17298, MAM.17299.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ORSTOM: A9183, A9184. - **ZMA:** MAM.16520.
Nanonycteris veldkampii (Jentink, 1888):
ORSTOM: A9186, A9187. - **ZMA:** MAM.16646

NW 06002Ca:

Hipposideros caffer (Sundevall, 1846):
ROM: 62008, 62009, 62010, 62011, 62012, 62013, 62014, 62015, 62016

NW 06002Ad:

Epomops franqueti (Tomes, 1860):
BMNH: 1912.8.27.1. - **ROM:** 56518, 56519, 56520.
Hipposideros beatus (K. Andersen, 1906):
ROM: 52035, 52036, 52037.
Hipposideros ruber (Noack, 1893):
BMNH: 1910.10.23.2, 1911.1.22.3, 1963.1455.
Hypsugo musciculus (Thomas, 1913):
BMNH: 1912.2.27.15.
Kerivoula phalaena Thomas, 1912:
BMNH: 1912.6.20.3.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
BMNH: 1911.1.11.1, 1911.6.2.30.
Myonycteris angolensis (Bocage, 1898):
ROM: 51625, 51626.
Nanonycteris veldkampii (Jentink, 1888):
BMNH: 1912.2.27.1.
Nycteris gambiensis (K. Andersen, 1912):
ROM: 52030.
Nycteris hispida (Schreber, 1774):
BMNH: 1911.1.11.2

NW 06002Cb:

Epomops buettikoferi (Matschie, 1899):
USNM: 414003, 414004, 414005, 414007, 414008.
Epomops franqueti (Tomes, 1860):
USNM: 414006, 414009.
Hipposideros fuliginosus (Temminck, 1853):
USNM: 414238.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 414077, 414078, 414079, 414080, 414081, 414082, 414083, 414084, 414085.
Micropteropus pusillus (Peters, 1868):
USNM: 414060.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 414256, 414257, 414258, 414259, 414260, 414261, 414262, 414263, 414388.
Mops (Xiphonycteris) thersites (Thomas, 1903):
USNM: 414302, 414303, 414304, 414305, 414306, 414307, 414308, 414309, 414310, 414311, 414312, 414313, 414314, 414315, 414316, 414317, 414318, 414319, 414320, 414321, 414322, 414323, 414324, 414325, 414326, 414327, 414328, 414329, 414330, 414331, 414332, 414333, 414334, 414335, 414336, 414337, 414338, 414339, 414340, 414341, 414342, 414343, 414344, 414345, 414346, 414347, 414348, 414349, 414350, 414351, 414352, 414353, 414354, 414355, 414356, 414357, 414358, 414359, 414360, 414361, 414362, 414363, 414364, 414365, 414366, 414367, 414368, 414369, 414370,

414371, 414372, 414373, 414374, 414375, 414376, 414377, 414378, 414379, 414380, 414381, 414382, 414383, 414384, 414385, 414390, 414391, 414397.
Nycteris arge Thomas, 1903:
USNM: 414163.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 414167.
Saccolaimus peli (Temminck, 1853):
USNM: 414086, 414087.
Scotonycteris occidentalis Hayman, 1947:
USNM: 414023

NW 06002Dc:

Nycteris grandis Peters, 1865:
BMNH: 1935.10.22.60

NW 06002Bd:

Nycteris arge Thomas, 1903:
BMNH: 1974.61, 1974.61_1, 1974.61_2, 1974.62

NW 06002Db:

Hipposideros fuliginosus (Temminck, 1853):
ZFMK: 2003.1042, 2003.1045.
Hipposideros ruber (Noack, 1893):
ZFMK: 2003.1047.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 37895, 37896.
Macronycteris gigas (Wagner, 1845):
ZFMK: 2003.1050.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ZFMK: 2003.1052.
Micropteropus pusillus (Peters, 1868):
ZFMK: 2003.1046.
Mops (Mops) trevori J.A. Allen, 1917:
BMNH: 1971.877.
Myonycteris leptodon K. Andersen, 1908:
RMCA: 37892, 37893.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 37889, 37890, 37891, 37894.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1974.63, 1974.63_01, 1974.63_02, 1974.63_03, 1974.63_04, 1974.63_05, 1974.63_06, 1974.63_07, 1974.63_08, 1974.63_09, 1974.63_10, 1974.63_11, 1974.63_12, 1974.74.
Neoromicia nana (Peters, 1852):
ZFMK: 2003.1043.
Nycteris hispida (Schreber, 1774):
BMNH: 1972.187.
Pipistrellus nanulus Thomas, 1904:
ZFMK: 2003.1048.
Scotophilus nucella Robbins, 1983:
NMP: 95434. - **ZFMK:** 2003.1044.
Scotophilus nux Thomas, 1904:
ZFMK: 2003.1049, 2003.1058

NW 06003Aa:

Micropteropus pusillus (Peters, 1868):
WAM: M21214.
Nanonycteris veldkampii (Jentink, 1888):
WAM: M21215

NW 06001Ac:

Hipposideros caffer (Sundevall, 1846):
ROM: 62060, 62062, 62063, 62064, 62065, 62066, 62067, 62068, 62069, 62070, 62071, 62072, 62073, 62074, 62075, 62078, 62079

NW 06001Ca:

Epomophorus gambianus (Ogilby, 1835):
ROM: 62372

NW 06001Ab:

Hipposideros caffer (Sundevall, 1846):
ROM: 70578, 70579, 70580, 70581, 70582, 70583, 70584, 70585, 70586, 70587, 70588, 70589, 70590, 70591, 70592, 70593, 70594, 70595, 70596, 70597, 70598, 70599, 70600, 70601, 70602, 70603, 70604

NW 06001Ad:

Nycteris grandis Peters, 1865:
ROM: 51624, 51627

NW 06001Cb:

Epomops buettikoferi (Matschie, 1899):
AMNH: 233870.
Glauconycteris poensis (Gray, 1842):
ROM: 51632.
Hipposideros caffer (Sundevall, 1846):
ROM: 61990, 61991, 61992, 61993, 61994, 61995, 62176.
Neoromicia nana (Peters, 1852):
ROM: 51628, 51629

NW 06001Cd:

Hipposideros caffer (Sundevall, 1846):
ROM: 70541, 70542, 70543, 70544, 70545, 70546, 70547, 70548, 70549, 70550, 70551.
Myonycteris angolensis (Bocage, 1898):
ROM: 49109, 49110.
Myonycteris leptodon K. Andersen, 1908:
ROM: 62022.
Nycteris hispida (Schreber, 1774):
HNHM: 2001.10.19

NW 06001Bc:

Hipposideros caffer (Sundevall, 1846):
ROM: 62121, 62122, 62123, 62124, 62126, 62128, 62131, 62132, 62133, 62134, 62135, 62136, 62344, 62345, 62346, 62347, 62348, 62349, 62350.
Hipposideros jonesi Hayman, 1947:
ROM: 62343.
Hipposideros ruber (Noack, 1893):
AMNH: 233885, 233886, 233887, 233888, 233889, 233890, 233891, 233892.
Hipposideros tephrus (Cabrera, 1906):
AMNH: 233880, 233881.
Neoromicia nana (Peters, 1852):
ROM: 49077, 49078, 49079, 49080, 49081, 49082, 49083, 49084, 49085, 49086, 49087, 49088, 49114, 49115, 49116, 49117, 49118, 49119

NW 06001Da:

Doryrhina cyclops (Temminck, 1853):
ROM: 56525, 56527.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 233871. - **ROM:** 70529, 70530, 70531, 70532, 70533.
Epomops buettikoferi (Matschie, 1899):
BMNH: 1965.684, 1965.685, 1965.739, 1966.6209, 1966.6210, 1966.6211, 1966.6212. - **NMBA:** 4108.
Epomops franqueti (Tomes, 1860):
BMNH: 1965.740.
Hipposideros caffer (Sundevall, 1846):
ROM: 62338.
Hipposideros jonesi Hayman, 1947:
ROM: 62337.
Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1964.1272, 1966.5576, 1966.6207.
Micropteropus pusillus (Peters, 1868):
BMNH: 1929.5.29.2, 1929.5.29.3.
Myonycteris leptodon K. Andersen, 1908:
BMNH: 1965.6220, 1965.6221, 1965.6222, 1965.6223, 1965.6224, 1965.6225, 1965.6226, 1965.6227, 1965.743, 1966.620, 1966.621, 1966.622, 1966.623, 1966.624, 1966.625, 1966.626, 1966.627. - **ROM:** 56521.
Nanonycteris veldkampii (Jentink, 1888):
BMNH: 1966.6192, 1966.6193, 1966.6194, 1966.6195, 1966.6196.
Nycteris gambiensis (K. Andersen, 1912):
ROM: 62339.
Nycteris grandis Peters, 1865:
BMNH: 1965.750, 1966.15.

Nycteris hispida (Schreber, 1774):
AMNH: 233878, 233879. - **BMNH:** 1960.1845.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1950.1502, 1950.1503. - **ROM:** 49089, 49090.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 62340

NW 06001Dc:

Doryrhina cyclops (Temminck, 1853):
AMNH: 233899, 233900, 233901, 233902. - **ROM:** 49107, 49111, 49112.
Eidolon helvum helvum (Kerr, 1792):
ROM: 62336.
Epomops franqueti (Tomes, 1860):
ROM: 51622, 51623.
Hipposideros caffer (Sundevall, 1846):
ROM: 70605.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 49113.
Nycteris grandis Peters, 1865:
BMNH: 1950.1538.
Nycteris hispida (Schreber, 1774):
ROM: 49104, 49105, 49106, 51634.
Nycteris macrotis Dobson, 1876:
ROM: 51635

NW 06001Bb:

Neoromicia nana (Peters, 1852):
USNM: 468182, 468183, 468184, 468185, 468186, 468187, 468188

NW 06001Db:

Hipposideros beatus (K. Andersen, 1906):
ROM: 52016, 52018, 52028, 52029.
Hipposideros caffer (Sundevall, 1846):
ROM: 49095, 51649, 52017, 52019, 52025, 61971, 61972, 61973, 61974, 61975, 61976, 61977, 61978, 61979, 61980, 61981, 61982, 61983, 61984, 61985, 61986, 61987, 61989.
Hipposideros jonesi Hayman, 1947:
ROM: 49091, 49092, 49093, 49096, 52011, 52012, 52013, 52014, 52015, 52027.
Hipposideros ruber (Noack, 1893):
AMNH: 233893, 233894, 233895, 233896.
Hipposideros tephrus (Cabrera, 1906):
AMNH: 233882, 233883, 233884.
Nycteris gambiensis (K. Andersen, 1912):
ROM: 52024.
Nycteris hispida (Schreber, 1774):
ROM: 49094, 52020, 52021.
Nycteris macrotis Dobson, 1876:
ROM: 52023.
Rhinolophus alcyone Temminck, 1853:
ROM: 52022, 52026

NW 06000Aa:

Nycteris macrotis Dobson, 1876:
ROM: 55157, 55158, 55159, 55160, 55186.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 55161

NW 06000Ab:

Hipposideros beatus (K. Andersen, 1906):
USNM: 414183, 414184.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 56516.
Nycteris macrotis Dobson, 1876:
USNM: 414109, 414110, 414111, 414112, 414113, 414114, 414115, 414116, 414117, 414118, 414119, 414120, 414121, 414122, 414123

NW 06000Ad:

Epomops franqueti (Tomes, 1860):
ROM: 60215, 60216, 60217, 60220, 60221.

Hipposideros caffer (Sundevall, 1846):
ROM: 55130, 55131, 55132.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ROM: 60212, 60213, 60214, 60219, 60222, 60223, 60224, 60225.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ROM: 55138.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
ROM: 55129, 55133, 55134, 55135, 55136, 60226.
Myonycteris angolensis (Bocage, 1898):
ROM: 60218.
Myotis bocagii (Peters, 1870):
ROM: 60227.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 55137

NW 06000Ba:

Eidolon helvum helvum (Kerr, 1792):
ROM: 36603, 36604, 36605, 36606.
Epomophorus gambianus gambianus (Ogilby, 1835):
ROM: 36574, 36575, 36576, 36625, 36626, 36629, 36630, 36631, 36632.
Epomops franqueti (Tomes, 1860):
ROM: 36553, 36568, 36569, 36570, 36571, 36572, 36573, 36633, 36634, 36635, 36636, 36637, 36638, 36639, 36650, 36652, 36653, 36654, 36655, 36657, 36658, 36659, 36660, 36661, 36662, 36663, 36664, 36665, 36666, 36667, 36668, 36669, 36670, 36672, 36673, 36674, 36675.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 36647.
Micropteropus pusillus (Peters, 1868):
ROM: 36554, 36607, 36608, 36610, 36611, 36612, 36618, 36619, 95197.
Mops (Xiphonycteris) petersoni (El Rayah, 1981):
ROM: 36563, 36564, 36589, 36600, 36601.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 36565, 36580, 36581, 36582, 36583, 36584, 36585, 36586, 36587, 36588, 36590, 36591, 36592, 36593, 36594, 36595, 36596, 36597, 36598, 36599.
Myonycteris leptodon K. Andersen, 1908:
ROM: 36561, 36562, 36566, 36609, 36640, 36641, 36642, 36643, 36644, 36645, 36648, 36649.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 36557, 36558, 36559, 36560.
Scotonycteris occidentalis Hayman, 1947:
ROM: 36646

NW 06000Da:

Doryrhina cyclops (Temminck, 1853):
USNM: 412097.
Eidolon helvum (Kerr, 1792):
USNM: 411806.
Epomops franqueti (Tomes, 1860):
USNM: 411518, 411519, 411520, 411521, 411522, 411523, 411531, 411532, 411533, 411559, 411560, 411561, 411562.
Hipposideros caffer (Sundevall, 1846):
ROM: 70565, 70566, 70567, 70568, 70569, 70570, 70571, 70572, 70573, 70574, 70575, 70576, 70577.
Hipposideros jonesi Hayman, 1947:
USNM: 411885, 411886, 411887, 411888, 411889, 411890, 411891.
Hipposideros ruber (Noack, 1893):
USNM: 412083, 412084, 412085, 412086, 412087.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 411819, 411820, 411821, 411822, 411823, 411824, 411825.
Myonycteris angolensis (Bocage, 1898):
USNM: 411838, 411839.
Myonycteris leptodon K. Andersen, 1908:
USNM: 411837.
Neoromicia brunnea (Thomas, 1880):
USNM: 412123, 412124.
Neoromicia nana (Peters, 1852):
CM: 62409, 62410. - **USNM:** 412118.
Neoromicia tenuipinnis (Peters, 1872):
CM: 62403, 62404. - **USNM:** 412125, 412126, 412127, 412128, 412129, 412130, 412131, 412132, 412133, 412134, 412135.
Nycteris arge Thomas, 1903:
ROM: 56523.
Nycteris hispida (Schreber, 1774):
ROM: 56524.
Nycteris macrotis Dobson, 1876:
USNM: 411884, 411892.
Rhinolophus landeri Martin, 1838:
USNM: 412004, 412005, 412007.

Scotonycteris occidentalis Hayman, 1947:
USNM: 411618, 411619.
Scotophilus nucella Robbins, 1983:
USNM: 412140, 412141.
Scotophilus nux Thomas, 1904:
USNM: 412142

NW 06000Bb:

Chaerephon russatus J.A. Allen, 1917:
ROM: 60174.
Epomops buettikoferi (Matschie, 1899):
USNM: 414752.
Epomops franqueti (Tomes, 1860):
MVZ: 149375, 149377, 149380. - **ROM:** 36680. - **USNM:** 411468, 411469, 411470, 411471, 411542, 411543, 411544, 411545, 411546, 411547, 411548, 411549, 411550, 411551, 411552, 411553, 411554, 411555, 411556, 411557, 414753, 414754, 414755, 414756, 414757, 414758, 414759.
Hipposideros fuliginosus (Temminck, 1853):
USNM: 412088, 412089, 414979.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 39382. - **USNM:** 411605, 411606, 411607, 424758.
Macronycteris gigas (Wagner, 1845):
FMNH: 105816.
Macronycteris vittatus (Peters, 1852):
ROM: 36567.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ROM: 39422. - **USNM:** 414784.
Micropteropus pusillus (Peters, 1868):
MVZ: 149378, 149379.
Mimetillus moloneyi (Thomas, 1891):
ROM: 39378.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 60277, 60278, 60279, 60280.
Mops (Xiphonycteris) petersoni (El Rayah, 1981):
ROM: 39380, 39427.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
ROM: 39403, 39415, 60171. - **USNM:** 412225.
Mops (Xiphonycteris) thersites (Thomas, 1903):
MVZ: 149374. - **ROM:** 39379, 39381, 39404, 39405, 39406, 39407, 39408, 39409, 39410, 39411, 39412, 39413, 39414, 39416, 39417, 39418, 39419, 39420, 39423, 39424, 39425, 39426, 39429, 39430, 39431, 39432, 39433, 39434, 39435, 60172, 60173, 60175, 60176, 60177, 60178, 60179, 60180, 60181, 60182, 60183, 60184, 60185, 60186, 60187, 60188, 60189, 60190, 60191, 60192. - **USNM:** 412267, 412268, 412269, 412270, 412271, 412272, 412273, 412274, 412275, 412276, 412277, 420079, 420080, 420081, 420082, 420083, 420084, 420085, 420086, 420087.
Myonycteris leptodon K. Andersen, 1908:
ROM: 39436, 60193, 60194. - **USNM:** 414785, 414786, 414787, 414788, 414789, 414790, 414791.
Nycteris hispida (Schreber, 1774):
ROM: 36579.
Saccolaimus peli (Temminck, 1853):
USNM: 414792.
Scotonycteris occidentalis Hayman, 1947:
ROM: 39421, 39428. - **USNM:** 411608, 411609, 411610, 411611, 411612, 411613, 411614, 411615, 411616, 411617.
Scotophilus nigrita (Schreber, 1774):
USNM: 420076.
Scotophilus nux Thomas, 1904:
USNM: 420074

NW 06000Db:

Epomops Gray, 1866:
CUMV: 19450.
Epomops franqueti (Tomes, 1860):
USNM: 411524, 411525, 411526, 411527, 411528, 411529.
Glauconycteris poensis (Gray, 1842):
USNM: 412160.
Hipposideros beatus (K. Andersen, 1906):
ROM: 51639.
Hipposideros caffer (Sundevall, 1846):
ROM: 51636.
Hipposideros ruber (Noack, 1893):
ROM: 49101.
Nycteris arge Thomas, 1903:
ROM: 56522.
Nycteris gambiensis (K. Andersen, 1912):
ROM: 51633.

Nycteris macrotis Dobson, 1876:
ROM: 51637.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 51638

NE 06000Aa:

Doryrhina cyclops (Temminck, 1853):
USNM: 412098, 412099, 412100, 412101.
Micropteropus pusillus (Peters, 1868):
ROM: 39461.
Nycteris macrotis Dobson, 1876:
USNM: 411971, 411972, 411973, 411974, 411975, 411976, 411977, 411978, 411979, 411980, 411981, 411982, 411983, 411984, 411985, 411986, 411987, 411988, 411989, 411990.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 479183, 479184, 479185.
Rhinolophus landeri Martin, 1838:
USNM: 412016.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 411843, 411844, 411845, 411846, 411847, 411848

NE 06000Ac:

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
BMNH: 1968.365, 1968.366, 1968.367. - **USNM:** 411818.
Micropteropus pusillus (Peters, 1868):
USNM: 411675, 411676, 411677, 411678.
Nycteris macrotis Dobson, 1876:
USNM: 411923, 411924, 411925, 411926, 411929, 411930, 411931, 411932, 411933, 411934, 411935, 411936, 411937, 411938, 411939, 411940, 411941, 411942, 411943, 411944, 411945, 411946, 411947, 411948, 411949, 411950, 411951, 411952, 411953, 411954, 411955, 411956, 411957, 411958, 411959, 411960, 411961, 411962, 411963, 411964, 411965, 411966, 411967, 411968, 411969, 411970, 411991, 411992, 411993, 411994

NE 06000Ca:

Hipposideros beatus (K. Andersen, 1906):
USNM: 412091, 412092.
Nycteris arge Thomas, 1903:
USNM: 411916, 411917, 411918, 411919.
Nycteris macrotis Dobson, 1876:
USNM: 411920, 411921, 411922

NE 06000Ab:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 412168, 412169, 412170, 412171, 412172, 412173, 412174, 412175, 412176, 412177, 412178, 412179, 412180, 412181, 412182, 412183, 412184, 412185, 412186, 412187, 412188, 412189, 412190, 412191, 412192, 412193, 412194, 412195, 412196, 412197, 412198, 412199, 412200, 412201, 412202, 412203, 412204, 412205, 412206, 412207, 479746, 479747, 479748, 479749, 479750, 479751, 479752, 479753, 479754, 479755, 479756, 479757, 479758, 479759, 479760, 479761, 479762, 479763, 479764, 479765, 479766, 479767, 479768, 479769, 479770, 479771, 479772, 479773, 479774, 479775, 479776, 479777, 479778, 479779, 479780, 479781, 479782, 479783, 479784, 479785, 479786, 479787, 479788, 479789, 479790, 479791, 479792, 479793, 479794, 479795, 479796, 479797, 479798, 479799, 479800, 479801, 479802, 479803, 479804, 479805, 479806, 479807, 479808, 479809.
Eidolon helvum (Kerr, 1792):
USNM: 411807, 411808.
Epomophorus gambianus (Ogilby, 1835):
USNM: 411311, 411489.
Epomops franqueti (Tomes, 1860):
USNM: 411597.
Micropteropus pusillus (Peters, 1868):
USNM: 411624, 411625, 411626, 411627, 411628, 411629, 411630.
Nanonycteris veldkampii (Jentink, 1888):
USNM: 411787, 411788, 411789, 411790, 411791, 411792, 411793, 411794

NE 06000Cb:

Epomophorus gambianus (Ogilby, 1835):
ZMB: 54195, 54592.
Hipposideros caffer (Sundevall, 1846):
ROM: 62360, 62361, 62362, 62364, 62365, 62366, 62367, 62368, 62369, 62370, 62371.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 62359.
Nycteris grandis Peters, 1865:
USNM: 411849, 411850, 411851, 411852, 411853, 411854, 411855, 411856, 411857, 411858.

Nycteris hispida (Schreber, 1774):
ROM: 62363.
Nycteris macrotis Dobson, 1876:
USNM: 411859, 411860, 411861, 411862, 411863, 411864

NE 06000Cd:

Doryrhina cyclops (Temminck, 1853):
USNM: 424853, 424854, 424855, 424856, 424857.
Epomops franqueti (Tomes, 1860):
USNM: 411598, 424757.
Glauconycteris poensis (Gray, 1842):
USNM: 424889, 424890, 424891, 424892, 424893, 424894, 424895, 424896, 424897, 424898, 424899, 479527, 479528, 479529, 479530, 479531, 479532, 479533.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 424763, 424764.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 411816, 411817.
Micropteropus pusillus (Peters, 1868):
USNM: 411631, 411632, 411633, 424796.
Mimetillus moloneyi (Thomas, 1891):
USNM: 424872.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 424947, 424948, 424949, 479954.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
USNM: 479608, 479609, 479610, 479611, 479612, 479613, 479614, 479615, 479616, 479617, 479618, 479619, 479620, 479621, 479622, 479623, 479624, 479625, 479626, 479627.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
USNM: 424901, 424902, 424903, 424904, 424905, 424906, 424907, 424908, 424909, 424910, 424911, 424912, 424913, 424914, 424915, 424916, 424917, 424918, 424919, 424920, 424921, 424922, 424923, 424924, 424925, 424926, 424927, 424928, 424929, 424930, 424931, 424932, 424933, 424934, 424935, 424936, 424950, 424951, 424952, 424953.
Mops (Xiphonycteris) thersites (Thomas, 1903):
USNM: 424954, 424955, 424956, 424957, 424958, 424959, 424960, 424961, 424962, 424963, 424964, 424965, 424966, 424967, 424968, 424969, 424970, 424971, 424972, 424973, 424974, 479550, 479551, 479552, 479553, 479554, 479555, 479556, 479557, 479558, 479559, 479560, 479561, 479562, 479563, 479564, 479565, 479566, 479567, 479568, 479569, 479570, 479571, 479572, 479573, 479574, 479575, 479576, 479577, 479578, 479579, 479580, 479581, 479582, 479583, 479584, 479585, 479586, 479587, 479588, 479589, 479590, 479591, 479592, 479593, 479594, 479595, 479596, 479597, 479598, 479599, 479600, 479601, 479602, 479603, 479604, 479605, 479606, 479607.
Myonycteris angolensis (Bocage, 1898):
USNM: 424681, 424682, 424683, 424684, 424685, 424686, 424687, 424688, 424689, 424690, 424691

NE 06000Ba:

Micropteropus pusillus (Peters, 1868):
BMNH: 1958.661.
Nycteris hispida (Schreber, 1774):
BMNH: 1958.662

NE 06000Dc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.011-M-0684, 73.011-M-0685, 73.011-M-0686, 73.011-M-0687, 73.011-M-0688, 73.011-M-0689, 73.011-M-0690, 73.011-M-0691, 73.011-M-0692, 73.011-M-0693, 73.011-M-1000, 73.011-M-1001, 73.011-M-1002, 73.011-M-1003, 73.011-M-1004, 73.011-M-1005, 73.011-M-1006, 73.011-M-1007, 73.011-M-1008, 73.011-M-1009, 73.011-M-1010, 73.011-M-1011, 73.011-M-1012, 73.011-M-1013, 73.011-M-1014, 73.011-M-1015, 73.011-M-1016, 73.011-M-1017, 73.011-M-1018, 73.011-M-1019, 73.011-M-1020, 73.011-M-1022, 73.013-M-0883, 73.013-M-0884, 73.013-M-0885, 73.013-M-0886, 73.013-M-0887, 73.013-M-0888, 73.013-M-0889, 73.013-M-0890, 73.013-M-0891, 73.013-M-0892, 73.013-M-0893, 73.013-M-0894, 73.013-M-0895, 73.013-M-0896, 73.013-M-0897, 73.013-M-0898.
Eidolon helvum (Kerr, 1792):
RMCA: 73.011-M-0596, 73.011-M-0597, 73.011-M-0598.
Epomops franqueti (Tomes, 1860):
RMCA: 73.011-M-0453, 73.011-M-0455, 73.011-M-0456, 73.011-M-0457, 73.011-M-0458, 73.011-M-0459, 73.011-M-0623, 73.011-M-0624, 73.011-M-0627, 73.011-M-0910, 73.011-M-0911, 73.011-M-0912, 73.011-M-0913, 73.013-M-0565, 73.013-M-0566, 73.013-M-0567, 73.013-M-0568, 73.013-M-0569, 73.013-M-0570, 73.013-M-0571, 73.013-M-0572, 73.013-M-0573, 73.013-M-0574, 73.013-M-0575, 73.013-M-0576, 73.013-M-0577, 73.013-M-0578, 73.013-M-0579, 73.013-M-0580, 73.013-M-0682, 73.013-M-0683, 73.013-M-0684, 73.013-M-0685, 73.013-M-0686, 73.013-M-0688, 73.013-M-0689, 73.013-M-0690, 73.013-M-0691, 73.013-M-0692, 73.013-M-0693. - **ZMB:** 50003.
Glauconycteris poensis (Gray, 1842):
RMCA: 73.011-M-0368, 73.011-M-0369, 73.013-M-0245, 73.013-M-0246, 73.013-M-0247, 73.013-M-0248, 73.013-M-0249, 73.013-M-0250, 73.013-M-0251, 73.013-M-0252, 73.013-M-0253, 73.013-M-0254.
Hipposideros caffer (Sundevall, 1846):
USNM: 479276, 479277, 479278, 479280, 479281, 479282, 479283, 479285, 479286, 479287.

Hipposideros ruber (Noack, 1893):
RMCA: 73.011-M-0382, 73.011-M-0383, 73.011-M-0384. - **USNM:** 437735, 437736, 437737, 437738, 437739, 437740, 437741, 437742, 437743, 437744, 437745, 437746, 437747, 437748, 437749, 437750, 437751, 437752, 437753, 437754, 437755, 437756, 437757, 437758, 437759.
Hypsignathus monstrosus H. Allen, 1862:
ZMB: 9007, 9008, 9009.
Macronycteris gigas (Wagner, 1845):
USNM: 437734.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
RMCA: 73.011-M-0388.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.011-M-0482, 73.011-M-0483, 73.011-M-0484. - **ZMB:** 10050.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.013-M-0917, 73.013-M-0918, 73.013-M-0919, 73.013-M-0920, 73.013-M-0921.
Myonycteris angolensis (Bocage, 1898):
RMCA: 73.011-M-0420.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.013-M-0585, 73.013-M-0586, 73.013-M-0587, 73.013-M-0672, 73.013-M-0673, 73.013-M-0922. - **ZMB:** 10043, 7546.
Neoromicia nana (Peters, 1852):
ZMB: 7554, 7555.
Neoromicia rendalli (Thomas, 1889):
RMCA: 73.011-M-0370.
Nycteris grandis Peters, 1865:
USNM: 437612.
Nycteris hispida (Schreber, 1774):
USNM: 437622.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.013-M-0632, 73.013-M-0633, 73.013-M-0634, 73.013-M-0635, 73.013-M-0636, 73.013-M-0637. - **USNM:** 437599

NE 06000Db:

Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1975-784, ZM-MO-1975-807, ZM-MO-1975-808, ZM-MO-1975-820, ZM-MO-1975-821, ZM-MO-1975-822, ZM-MO-1975-823, ZM-MO-1975-824, ZM-MO-1975-825, ZM-MO-1975-826, ZM-MO-1975-827, ZM-MO-1975-830, ZM-MO-1975-831.
Hipposideros abae J.A. Allen, 1917:
MNHN: ZM-MO-1870-513.
Nycteris hispida (Schreber, 1774):
ROM: 49100, 49102

NE 06001Aa:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.013-M-0769. - **ZMB:** 17815, 17816, 17817.
Glauconycteris poensis (Gray, 1842):
SMF: 44808. - **SMNS:** 2922d, 2922e, 2922g.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 39456, 39457, 39458, 39459, 39460. - **USNM:** 412629, 412630, 412631, 412632, 412633, 412634, 412635, 412636, 412637, 412638, 412639, 412640, 412641, 412642, 412643, 412644, 412645, 412646, 412647, 412648, 412649, 412650, 412651, 412652, 412653, 412654, 412655, 412656, 412657, 412658, 412659, 412660, 412661, 412662, 412663, 412664, 412665, 412666, 412667, 412668, 412669, 412670, 412671, 412672, 412673, 412674, 412675, 412676, 412677, 412678, 412679, 412680, 412681, 412682, 412683, 412684, 412685, 412686, 412687, 412688, 412689, 412690, 412691, 412692, 412693, 412694, 412695, 412696, 412697, 412698, 412699, 412700, 412701, 412702, 412703, 412704, 412705, 412706, 412707, 412708, 412709, 412710, 412711, 412712, 412713, 412714, 412715, 412716, 412717, 412718, 412719, 412720

NE 06001Cc:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.009-M-0215, 73.009-M-0216, 73.009-M-0217, 73.009-M-0218, 73.009-M-0219, 73.009-M-0220, 73.009-M-0221, 73.009-M-0222, 73.009-M-0223, 73.009-M-0224, 73.009-M-0225, 73.009-M-0226, 73.009-M-0227, 73.009-M-0228, 73.009-M-0229, 73.009-M-0574.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.009-M-0318.
Neoromicia nana (Peters, 1852):
RMCA: 73.009-M-0512.
Nycteris hispida (Schreber, 1774):
RMCA: 73.009-M-0510, 73.009-M-0511

NE 06001Ab:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.011-M-0706, 73.011-M-0707, 73.011-M-0708, 73.011-M-0709, 73.011-M-0710, 73.011-M-1040, 73.011-M-1041, 73.011-M-1042, 73.011-M-1043.

Eidolon helvum (Kerr, 1792):
RMCA: 73.011-M-0611.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.009-M-0275, 73.009-M-0276, 73.009-M-0277, 73.009-M-0278, 73.009-M-0279, 73.009-M-0280, 73.009-M-0281, 73.009-M-0282, 73.009-M-0283, 73.009-M-0284, 73.011-M-0364, 73.011-M-0749, 73.011-M-0771, 73.011-M-0772, 73.011-M-0773, 73.011-M-0774, 73.011-M-0775, 73.011-M-0776, 73.011-M-0777, 73.011-M-0778, 73.011-M-0794, 73.011-M-0803, 73.011-M-0804, 73.011-M-0805, 73.011-M-0806, 73.011-M-0807, 73.011-M-0808, 73.011-M-0809, 73.011-M-0810, 73.011-M-0811, 73.011-M-0812, 73.011-M-0813, 73.011-M-0814, 73.011-M-0815, 73.011-M-0816, 73.011-M-0817, 73.011-M-0818, 73.011-M-0819, 73.011-M-0820, 73.011-M-0821, 73.011-M-0849, 73.011-M-0850, 73.011-M-0851, 73.011-M-0852, 73.011-M-0853, 73.011-M-0854, 73.011-M-0855, 73.011-M-0856, 73.011-M-0857, 73.011-M-0858, 73.011-M-0859, 73.011-M-0860, 73.011-M-0861, 73.011-M-0862, 73.011-M-0863, 73.011-M-0864, 73.011-M-0865, 73.011-M-0866, 73.011-M-0867, 73.011-M-0868, 73.011-M-0869, 73.011-M-0892, 73.011-M-0893, 73.011-M-0894, 73.011-M-0895, 73.011-M-0896, 73.011-M-0897, 73.011-M-0898, 73.011-M-0899, 73.011-M-0900, 73.011-M-0901, 73.011-M-0902, 73.011-M-0903, 73.011-M-0904, 73.011-M-0905, 73.011-M-0906, 73.011-M-0907, 73.011-M-0908, 73.011-M-0909.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.011-M-0567, 73.011-M-0568, 73.011-M-0569, 73.011-M-0570, 73.011-M-0571, 73.011-M-0572, 73.011-M-0573, 73.011-M-0574, 73.011-M-0575, 73.011-M-0576, 73.011-M-0577.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.011-M-0739, 73.011-M-0740, 73.011-M-0741, 73.011-M-0742, 73.011-M-0743, 73.011-M-0744, 73.011-M-0745, 73.011-M-0746, 73.011-M-0747, 73.011-M-0748.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.011-M-0621.
Nycteris hispida (Schreber, 1774):
RMCA: 73.011-M-0157.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.011-M-0427, 73.011-M-0440, 73.011-M-0441, 73.011-M-0442, 73.011-M-0443, 73.011-M-0444, 73.011-M-0445, 73.011-M-0446, 73.011-M-0447, 73.011-M-0448, 73.011-M-0449, 73.011-M-0450, 73.011-M-0451

NE 06001Ad:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 437873, 437874, 437875, 437876, 437877, 437878, 437879, 437880, 437881, 437882, 437883, 437884, 437885, 437886, 437887, 437888, 437889, 437890, 437891, 437892, 437893, 437894, 480089, 480090, 480091, 480092, 480093, 480094, 480095, 480160, 480161, 480162, 480163, 480164.
Epomophorus gambianus (Ogilby, 1835):
USNM: 437585, 437586, 437587, 437588, 437589, 478538.
Glauconycteris poensis (Gray, 1842):
USNM: 437777, 437778.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 437781, 437782, 437783, 437784, 437785, 437786, 437787, 437788, 437789, 437790, 437791, 437792, 437793, 437794, 437795, 437796, 437797, 437798, 437799, 437800, 437801, 437802, 437803, 437804, 437805, 437806, 437807, 437808, 437809, 437810, 437811, 437812, 437813, 437814, 437815, 437816, 437817, 437818, 437819, 437820, 437821, 437822, 437823, 479637, 479638, 479639, 479640, 479641, 479642, 479643, 479644, 479691, 479692, 479693, 479694, 479695, 479696, 479697

NE 06001Ba:

Epomops franqueti (Tomes, 1860):
ZMB: 10004.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 17918.
Micropteropus pusillus (Peters, 1868):
ZMB: 10003.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1911-1590 A, ZM-MO-1911-1590 B, ZM-MO-1911-1590 C

NE 06001Da:

Mops (Mops) condylurus (A. Smith, 1833):
ZMA: MAM.25378

NE 06001Bd:

Epomops franqueti (Tomes, 1860):
ZMB: 10011.
Mops (Mops) condylurus (A. Smith, 1833):
ZMA: MAM.25379, MAM.25380, MAM.25381, MAM.25382, MAM.25383

NE 06001Dd:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 439075, 439076, 439077, 439078, 439079, 439080, 439081, 439082, 439083, 439084, 439085, 439086, 439087, 439088, 439089, 439090, 439091, 439092, 439093, 439094, 480088.
Doryrhina cyclops (Temminck, 1853):
USNM: 438930.

Eidolon helvum (Kerr, 1792):
USNM: 438859, 438860, 438861, 438862, 438863, 438864, 438865, 438866, 438867, 438868, 438869.
Epomops franqueti (Tomes, 1860):
USNM: 438854.
Macronycteris gigas (Wagner, 1845):
USNM: 438929.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 438994, 438995, 438996, 438997, 438998, 438999, 439000, 439001, 439002, 439003, 439004, 439005, 439006, 439007, 439008, 439009, 439010, 439011, 439012, 439013, 439014, 439015, 439016, 439017, 439018, 479633, 479634, 479635, 479636, 479683, 479684, 479685, 479686, 479687, 479688, 479689, 479690.
Neoromicia nana (Peters, 1852):
USNM: 438942, 438943.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 438870

NE 06002Ac:

Micropteropus pusillus (Peters, 1868):
USNM: 438855, 438856

NE 06002Ad:

Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1911-890

NE 06002Cd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 34986, 34987, 34988, 34989, 34990, 34991, 34992

NE 06002Bc:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 46110, 46111, 46112.
Epomophorus Bennett, 1836:
ZMA: MAM.25484, MAM.25485, MAM.25486.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 46107, 46108, 46109.
Mops (Mops) condylurus (A. Smith, 1833):
ZMA: MAM.25297, MAM.25298.
Neoromicia nana (Peters, 1852):
MCZ: 45916. - **ZMA:** MAM.25482

NE 06002Da:

Mops (Mops) condylurus (A. Smith, 1833):
USNM: 439019, 439022, 439023

NE 06003Ad:

Chaerephon ansorgei (Thomas, 1913):
SMNS: 41351.
Epomophorus gambianus (Ogilby, 1835):
HZM: 4.8347. - **ZMB:** 3413.
Epomops franqueti (Tomes, 1860):
ZMB: 3649.
Eptesicus platyops (Thomas, 1901):
BMNH: 1888.5.17.3.
Hipposideros ruber (Noack, 1893):
ZFMK: 1988.0096, 1988.0097.
Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1926.11.24.2.
Micropteropus pusillus (Peters, 1868):
BMNH: 1872.10.24.6. - **SMNS:** 41338. - **ZFMK:** 1988.0095. - **ZMB:** 10046, 3475, 4338.
Mimetillus moloneyi (Thomas, 1891):
BMNH: 1891.5.5.2.
Miniopterus inflatus Thomas, 1903:
SMNS: 41341.
Nycteris hispida (Schreber, 1774):
BMNH: 1920.3.18.4, 1971.1494.
Scotophilus nigrita (Schreber, 1774):
BMNH: 1872.10.24.5. - **HZM:** 1.8203.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMNS: 41345, 41346. - **ZFMK:** 1988.0101, 1988.0102

NE 06003Cb:

Epomops franqueti (Tomes, 1860):
ZMA: MAM.19098.
Mops (Mops) trevori J.A. Allen, 1917:
ZMA: MAM.18389, MAM.19024.
Neoromicia nana (Peters, 1852):
ZMA: MAM.19025.
Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.18371, MAM.19026, MAM.19027, MAM.19028, MAM.19029.
Scotophilus nigrita (Schreber, 1774):
ZMA: MAM.18366

NE 06003Dc:

Epomops franqueti (Tomes, 1860):
MSB: 31271. - **ROM:** 78001, 78002.
Neoromicia guineensis (Bocage, 1889):
BMNH: 1976.293

NE 06004Cd:

Doryrhina cyclops (Temminck, 1853):
ROM: 77727.
Epomops franqueti (Tomes, 1860):
ROM: 77721, 77722, 77723, 77724, 77725, 77726.
Macronycteris gigas (Wagner, 1845):
ROM: 77718, 77719.
Scotonycteris zenkeri Matschie, 1894:
ROM: 77720

NE 06005Ac:

Glauconycteris beatrix Thomas, 1901:
ROM: 79195.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 79196, 79197, 79198.
Saccolaimus peli (Temminck, 1853):
USNM: 377111, 377112, 377113, 377114, 377115

NE 06005Bc:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1894.7.25.9.
Myopterus whitleyi (Scharff, 1900):
BMNH: 1900.10.26.1

NE 06005Bb:

Epomops franqueti (Tomes, 1860):
ROM: 79190. - **USNM:** 379501, 379502, 379503, 379504, 379505, 379506.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ROM: 79188, 79189.
Myonycteris torquata (Dobson, 1878):
ROM: 79178, 79179, 79180, 79181, 79183, 79184, 79185, 79186, 79191, 79192, 79194, 86947, 86949.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 79182, 79193.
Rhinolophus hillorum Koopman, 1989:
ROM: 86948.
Scotonycteris zenkeri Matschie, 1894:
ROM: 79187

NE 06005Dd:

Glauconycteris poensis (Gray, 1842):
FMNH: 42610, 42611, 42612, 42613, 42614.
Neoromicia nana (Peters, 1852):
FMNH: 42615, 42616, 42617, 42618, 42619, 42620, 44283, 44284, 44285.
Pipistrellus Kaup, 1829:
MCZ: 32236

NE 06006Ba:

Nycteris hispida (Schreber, 1774):
BMNH: 1895.5.3.9

NE 06006Bb:

Epomops franqueti (Tomes, 1860):
BMNH: 1895.5.3.6, 1895.5.3.7.
Micropteropus pusillus (Peters, 1868):
BMNH: 1892.6.22.1.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 377222, 377223, 377224, 377225, 377226, 377227, 377228, 377229, 377230, 377231, 377232, 377233, 377234, 377235, 377236, 377237, 377238, 377239, 377240, 377241, 377242, 377243.
Nycteris macrotis Dobson, 1876:
BMNH: 1972.678

NE 06006Bd:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 377132, 377133, 377134, 377135, 377136, 377137, 377138, 377139.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 377098.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 377244, 377245, 377246, 377247, 377248.
Scotophilus viridis (Peters, 1852):
BMNH: 1905.12.1.1

NE 06007Cd:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
SMF: 92073

NE 06008Aa:

Neoromicia rendalli (Thomas, 1889):
BMNH: 1948.702

NE 06008Db:

Glauconycteris poensis (Gray, 1842):
AMNH: 273244

NE 06009Ab:

Eidolon helvum (Kerr, 1792):
ZMB: 67031, 67032.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMB: T09590

NE 06009Ad:

Hipposideros ruber (Noack, 1893):
ROM: 86284.
Myonycteris angolensis angolensis (Bocage, 1898):
BMNH: 1976.1837

NE 06009Ba:

Nycteris arge Thomas, 1903:
BMNH: 1948.624, 1948.625, 1948.626, 1948.627, 1948.628

NE 06009Bd:

Nycteris arge Thomas, 1903:
USNM: 511913, 511915.
Nycteris grandis Peters, 1865:
USNM: 511916.
Nycteris hispida (Schreber, 1774):
USNM: 511949.
Nycteris intermedia Aellen, 1959:
USNM: 511917.
Pipistrellus nanulus Thomas, 1904:
USNM: 511927

NE 06009Dd:

Epomops franqueti (Tomes, 1860):
ROM: 55869, 55870.
Hipposideros caffer (Sundevall, 1846):
ROM: 55864.
Micropteropus pusillus (Peters, 1868):
ROM: 55865, 55866.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 55867, 55868

NE 06010Aa:

Epomops franqueti (Tomes, 1860):
ROM: 55887.
Glauconycteris argentata (Dobson, 1875):
ROM: 55880, 55881.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 55884.
Micropteropus pusillus (Peters, 1868):
ROM: 55871, 55872, 55873, 55874.
Neoromicia helios (Heller, 1912):
ROM: 55882.
Neoromicia nana (Peters, 1852):
ROM: 55883.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 55885, 55886

NE 06010Ab:

Pipistrellus hesperidus (Temminck, 1840):
ZFMK: 1969.0488a, 1969.0488b

NE 06011Cb:

Nycteris hispida (Schreber, 1774):
ROM: 86285

NE 06011Bc:

Epomophorus gambianus gambianus (Ogilby, 1835):
ROM: 55901, 55902, 55903, 55904, 55905.
Micropteropus pusillus (Peters, 1868):
ROM: 55894, 55895, 55896, 55897, 55898, 55899.
Myonycteris angolensis (Bocage, 1898):
ROM: 55900.
Scotoecus hirundo (de Winton, 1899):
ROM: 55890, 55891, 55892.
Scotophilus viridis (Peters, 1852):
ROM: 55893

NE 06011Dc:

Chaerephon ansorgei (Thomas, 1913):
SMNS: 41352.
Epomops franqueti (Tomes, 1860):
SMNS: 41337.
Myonycteris angolensis (Bocage, 1898):
ZFMK: 1988.0094

NE 06012Cc:

Epomophorus gambianus gambianus (Ogilby, 1835):
ROM: 55913, 55914, 55915, 55916, 55917, 55918, 55919, 55920, 55921, 55922.
Micropteropus pusillus (Peters, 1868):
BRTC: 28510, 28511. - **ROM:** 55907, 55908, 55909, 55910, 55911, 55912, 55923, 55924, 55925, 55926, 55928, 55929, 55931, 55932, 55933, 55934, 55935, 55938, 55939, 55940, 55941, 55942, 55944, 55945, 55946, 55947, 55948

NE 06012Bc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 73.018-M-0241.
Epomophorus gambianus (Ogilby, 1835):
MHNC: 32-8-953, 32-8-954, 32-8-955, 32-8-956, 32-8-957, 32-8-958, 32-8-959, 32-8-960, 32-8-961.

Epomophorus gambianus gambianus (Ogilby, 1835):
ROM: 55996, 55997, 55998, 55999, 56000, 56001, 56062, 56063, 56064, 56065, 56066, 56067, 56068, 56069, 56070.
Micropteropus pusillus (Peters, 1868):
BMNH: 1923.1.22.8. - **ROM:** 55994, 55995, 56021, 56022, 56023, 56024, 56025.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 73.018-M-0231, 73.018-M-0232, 73.018-M-0234, 73.018-M-0235, 73.018-M-0236, 73.018-M-0237, 73.018-M-0238, 73.018-M-0239, 73.018-M-0240. - **ROM:** 55960, 55961, 55962, 55963, 55964, 55965, 55966, 55967, 55968, 55969, 55970, 55971, 55972, 55973, 55974, 55975, 55976, 55977, 55978, 55979, 55980, 55981, 55982, 55983, 55984, 55985, 55986, 55987, 55988, 55989, 55990, 55991, 55992, 55993, 56002, 56003, 56004, 56005, 56006, 56007, 56008, 56009, 56010, 56011, 56012, 56013, 56014, 56015, 56016, 56017, 56018, 56019, 56071, 56072, 56073, 56074, 56075, 56076, 56077, 56078, 56079, 56080, 56081, 56082, 56083, 56084, 56085, 56086, 56087, 56088, 56089, 56090, 56091, 56092, 56093, 56094, 56095, 56096, 56097, 56098, 56099.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 56026, 56027, 56028, 56029, 56030, 56031, 56032, 56033, 56034, 56035, 56036, 56037, 56038, 56039, 56040, 56041, 56042, 56043, 56044, 56045, 56046, 56047, 56048, 56049, 56050, 56051, 56052, 56053, 56054, 56055, 56056, 56057, 56058, 56059, 56060, 56061.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 73.018-M-0133

NE 06012Bd:

Micropteropus pusillus (Peters, 1868):
RMCA: 73.018-M-0058, 73.018-M-0059, 73.018-M-0060, 73.018-M-0061, 73.018-M-0062, 73.018-M-0063, 73.018-M-0064, 73.018-M-0065, 73.018-M-0066, 73.018-M-0067, 73.018-M-0068, 73.018-M-0069, 73.018-M-0070, 73.018-M-0071, 73.018-M-0072, 73.018-M-0073, 73.018-M-0184, 73.018-M-0185, 73.018-M-0186.
Nanonycteris veldkampii (Jentink, 1888):
RMCA: 73.018-M-0089.
Neoromicia capensis (A. Smith, 1829):
RMCA: 73.018-M-0432, 73.018-M-0433.
Neoromicia nana (Peters, 1852):
RMCA: 73.018-M-0229, 73.018-M-0230, 73.018-M-0442.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 73.018-M-0134, 73.018-M-0135

NE 06014Cb:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.017-M-0219, 73.017-M-0220, 73.017-M-0221, 73.017-M-0312, 73.017-M-0313, 73.017-M-0314.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.017-M-0250, 73.017-M-0719, 73.017-M-0720, 73.017-M-0721.
Myonycteris angolensis (Bocage, 1898):
RMCA: 73.017-M-0245

NE 06014Dc:

Micropteropus pusillus (Peters, 1868):
RMCA: 73.016-M-0386.
Neoromicia nana (Peters, 1852):
RMCA: 73.016-M-0312, 73.016-M-0427, 73.016-M-0428, 73.016-M-0429, 73.016-M-0430, 73.016-M-0431, 73.016-M-0432, 73.016-M-0433, 73.016-M-0434, 73.016-M-0435, 73.016-M-0436, 73.016-M-0437, 73.016-M-0438, 73.016-M-0439, 73.016-M-0440, 73.016-M-0441, 73.016-M-0442, 73.016-M-0443, 73.016-M-0444, 73.016-M-0445, 73.016-M-0446, 73.016-M-0447, 73.016-M-0448, 73.016-M-0449, 73.016-M-0450, 73.016-M-0451, 73.016-M-0452, 73.016-M-0453, 73.016-M-0454, 73.016-M-0455, 73.016-M-0456, 73.016-M-0457, 73.016-M-0458, 73.016-M-0459, 73.016-M-0460, 73.016-M-0461, 73.016-M-0462, 73.016-M-0463, 73.016-M-0464, 73.016-M-0465, 73.016-M-0466, 73.016-M-0467, 73.016-M-0468, 73.016-M-0469, 73.016-M-0470, 73.016-M-0471, 73.016-M-0472, 73.016-M-0473, 73.016-M-0474, 73.016-M-0475, 73.016-M-0476, 73.016-M-0477, 73.016-M-0478, 73.016-M-0479, 73.016-M-0480, 73.016-M-0481, 73.016-M-0482, 73.016-M-0483, 73.016-M-0484, 73.016-M-0485, 73.016-M-0486, 73.016-M-0487, 73.016-M-0488, 73.016-M-0489, 73.016-M-0490, 73.016-M-0491, 73.016-M-0492, 73.016-M-0493, 73.016-M-0494, 73.016-M-0495, 73.016-M-0496.
Neoromicia somalica (Thomas, 1901):
RMCA: 73.016-M-0304.
Nycteris hispida (Schreber, 1774):
RMCA: 73.016-M-0164, 73.016-M-0165

NE 06016Ad:

Chaerephon nigeriae Thomas, 1913:
ZMB: 31498, 31499, 31500.
Micropteropus pusillus (Peters, 1868):
AMNH: 88438.
Neoromicia nana (Peters, 1852):
ZMB: 31501, 31502.
Rhinolophus Lacépède, 1799:
ZMB: 31494.
Rhinolophus clivosus Cretzschmar, 1828:
ZMB: 31493, 31495

NE 06020Ab:

Hipposideros ruber (Noack, 1893):
AMNH: 54294, 54295, 54296

NE 06022Da:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-2011-691.
Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-2011-704, ZM-2011-705.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-2011-710

NE 06023Cb:

Glauconycteris variegata (Tomes, 1861):
MNHN: ZM-MO-2000-1017.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-2000-980.
Pipistrellus nanulus Thomas, 1904:
MNHN: ZM-MO-2000-862.
Scotophilus dinganii (A. Smith, 1833):
MNHN: ZM-MO-2000-875.
Scotophilus viridis (Peters, 1852):
MNHN: ZM-MO-2000-879

NE 06027Ba:

Coleura afra (Peters, 1852):
USNM: 586811, 586834, 586835, 586848.
Epomophorus Bennett, 1836:
USNM: 586812, 586822, 586823.
Epomophorus gambianus (Ogilby, 1835):
USNM: 586802, 586819, 586820.
Epomophorus labiatus (Temminck, 1837):
USNM: 586788, 586801, 586813, 586818.
Hipposideros Gray, 1831:
USNM: 586782, 586787, 586803, 586805, 586810, 586825, 586827, 586828, 586839, 586842, 586844, 586847.
Hypsugo anchietae (Seabra, 1900):
USNM: 586793.
Micropteropus pusillus (Peters, 1868):
USNM: 586784, 586789, 586790, 586792, 586814, 586816, 586843.
Miniopterus Bonaparte, 1837:
USNM: 586830, 586845, 586850.
Neoromicia Roberts, 1926:
USNM: 586791, 586794, 586797, 586807, 586808, 586809, 586821, 586826, 586841.
Nycteris G. Cuvier and E. Geoffroy, 1795:
USNM: 586783, 586785, 586786, 586815, 586851.
Rhinolophus Lacépède, 1799:
USNM: 586799, 586800, 586804, 586817, 586824, 586829, 586831, 586832, 586833, 586836, 586837, 586838, 586840, 586849, 586852, 586853, 586854, 586855, 586856, 586857, 586858.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 586846.
Scotoecus Thomas, 1901:
USNM: 586806.
Scotophilus Leach, 1821:
USNM: 586795, 586796, 586798

NE 06027Dd:

Epomophorus labiatus (Temminck, 1837):
MSU: MR.33397, MR.33398, MR.33399, MR.33418.
Micropteropus pusillus (Peters, 1868):
MSU: MR.33410

NE 06028Da:

Scotoecus hirundo (de Winton, 1899):
ROM: 68207

NE 06029Dc:

Chaerephon pumilus (Cretzschmar, 1826):
MSU: MR.33460.
Micropteropus pusillus (Peters, 1868):
MSU: MR.33411

NE 06030Ac:

Neoromicia helios (Heller, 1912):
FMNH: 78229, 78230, 78231

NE 06030Cc:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 184398, 184399, 184402, 184403, 184404, 184405, 184518, 184519.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 184331, 184332, 184333, 184334, 184335, 184510, 184511, 184512, 184513, 184514, 184515, 184516, 184517.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 184378, 184379.
Mops (Mops) demonstrator (Thomas, 1903):
AMNH: 184424, 184425, 184426, 184427, 184428, 184429, 184430, 184431, 184432, 184433, 184434, 184435, 184436.
Mops (Mops) midas midas (Sundevall, 1843):
AMNH: 184388, 184389, 184390, 184391, 184392, 184393.
Neoromicia rendalli (Thomas, 1889):
AMNH: 184343, 184344, 184345, 184346, 184347, 184348, 184349, 184350, 184351, 184352, 184353, 184354, 184355, 184356, 184357.
Nycteris hispida (Schreber, 1774):
AMNH: 184477, 184478, 184479, 184480, 184520, 184521, 184523, 184524, 184525, 184526, 184527, 184528, 184529, 184530, 184531, 184532, 184533.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 184522.
Pipistrellus rueppellii fuscipes Thomas, 1913:
AMNH: 184459, 184464.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 184373, 184374, 184375, 184376, 184377

NE 06030Da:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 184396, 184397. - **FMNH:** 78241.
Mops (Mops) demonstrator (Thomas, 1903):
AMNH: 184421, 184422, 184423.
Pipistrellus rueppellii fuscipes Thomas, 1913:
FMNH: 78224, 78225.
Scotoecus hindei Thomas, 1901:
AMNH: 184460.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 184368, 184369, 184370, 184371, 184372.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
AMNH: 184458. - **FMNH:** 67862

NE 06031Ca:

Nycteris hispida (Schreber, 1774):
USNM: 297470

NE 06031Cc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 252717, 252718, 252719

NE 06031Ba:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 29032. - **ROM:** 77222.
Hipposideros ruber (Noack, 1893):
USNM: 166393.
Nycteris hispida (Schreber, 1774):
FMNH: 68146, 68147, 68148, 68149. - **USNM:** 164967, 164968, 166510, 166511, 166512, 166513, 166514, 166515

NE 06031Dd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 77619, 77671, 77672, 77673, 77674, 77675, 77676

NE 06034Ab:

Epomophorus labiatus (Temminck, 1837):
SMNS: 29874.
Micropteropus pusillus (Peters, 1868):
SMNS: 29832, 29833, 29834, 29835, 29851, 29852

NE 06035Ca:

Pipistrellus rusticus (Tomes, 1861):
ZMMU: S-167224

NE 06035Bb:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1978-144, ZM-MO-1978-145, ZM-MO-1985-276.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1984-1336

NE 06036Bc:

Epomophorus labiatus (Temminck, 1837):
ZMB: 67070

NE 06036Dc:

Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1983-1210, ZM-MO-1983-1211.
Pipistrellus hesperidus (Temminck, 1840):
MNHN: ZM-MO-1985-1022

NE 06036Bd:

Epomophorus gambianus (Ogilby, 1835):
ZMB: 54422

NE 06037Ba:

Epomophorus gambianus (Ogilby, 1835):
SMF: 47858, 47859.
Epomophorus labiatus (Temminck, 1837):
SMF: 47856, 47857, 47860, 47861.
Epomophorus minor Dobson, 1880:
SMF: 47862.
Miniopterus natalensis (A. Smith, 1833):
SMF: 49111, 49112, 49113, 49114, 49115, 49116, 49117, 49118.
Myotis bocagii (Peters, 1870):
SMF: 47869.
Neoromicia nana (Peters, 1852):
SMF: 45736.
Nycteris hispida (Schreber, 1774):
SMF: 44987.
Pipistrellus hesperidus (Temminck, 1840):
SMF: 49097, 49098, 49099, 49100, 49101, 49102, 49103, 49104, 49105, 49106, 49107, 49108, 49109, 49110.
Scotoecus hirundo (de Winton, 1899):
SMF: 49136.
Scotophilus dinganii (A. Smith, 1833):
SMF: 45007

NE 06037Bc:

Epomophorus gambianus (Ogilby, 1835):
SMF: 48001.
Neoromicia tenuipinnis (Peters, 1872):
HZM: 3.24721.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
SMF: 47999, 48000

NE 06037Bb:

Cardioderma cor (Peters, 1872):
MNHN: ZM-MO-1972-483 A, ZM-MO-1972-483 B, ZM-MO-1972-483 C, ZM-MO-1972-483 E, ZM-MO-1972-483 F, ZM-MO-1972-483 G, ZM-MO-1972-483 H, ZM-MO-1972-483 I, ZM-MO-1972-483 J, ZM-MO-1972-483 K, ZM-MO-1972-483 L.

Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-MO-1972-476A, ZM-MO-1972-476B, ZM-MO-1972-476C.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1972-485 A, ZM-MO-1972-485 B. - **ZMB:** 67878, 67879.
Neoromicia capensis (A. Smith, 1829):
MNHN: ZM-MO-1972-491A, ZM-MO-1972-491B.
Neoromicia flavescens (Seabra, 1900):
MNHN: ZM-MO-1972-493.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1972-480A, ZM-MO-1972-480B

NE 06037Bd:

Cardioderma cor (Peters, 1872):
MNHN: ZM-MO-1972-483 D.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 81096, 81097. - **ZMB:** 67881, 67894, 67895.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1972-480

NE 06037Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1969.868

NE 06038Aa:

Cardioderma cor (Peters, 1872):
USNM: 589151.
Chaerephon pumilus (Cretzschmar, 1826):
USNM: 462768.
Eidolon helvum (Kerr, 1792):
USNM: 462724.
Epomophorus gambianus (Ogilby, 1835):
BMNH: 1972.502, 1972.503, 1972.504. - **SMNS:** 36085. - **USNM:** 462694, 497493, 497494, 497495, 497496, 497497, 497498, 497499, 497500, 497501, 497502, 497503, 497504, 497505, 497506, 497507, 497508, 497509, 497511, 497512, 497513, 589140, 589141, 589142, 589143.
Epomophorus gambianus gambianus (Ogilby, 1835):
SMNS: 29855, 29856, 29857, 29858.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1971.2410, 1971.2410_1, 1971.2410_2, 1972.497, 1972.498. - **SMNS:** 29878. - **USNM:** 462687, 462688, 497492.
Micropteropus pusillus (Peters, 1868):
USNM: 497600.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 589173.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1972.4383. - **CM:** 52651.
Neoromicia nana (Peters, 1852):
USNM: 462746, 462749, 462750, 462751, 462752, 497612, 497613, 497614, 497615, 497616, 589155.
Neoromicia somalica (Thomas, 1901):
CM: 52654, 52655.
Neoromicia zuluensis (Roberts, 1924):
SMF: 52381.
Pipistrellus Kaup, 1829:
USNM: 589156.
Pipistrellus hesperidus (Temminck, 1840):
CM: 52657.
Rhinolophus Lacépède, 1799:
USNM: 589153.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1971.2438, 1971.2438_1, 1971.2438_2, 1971.2438_3, 1971.2439. - **USNM:** 462679, 497487.
Scotoecus hindei Thomas, 1901:
BMNH: 1970.2262, 1970.4422.
Scotoecus hirundo (de Winton, 1899):
BMNH: 1972.4422.
Scotophilus dinganii (A. Smith, 1833):
USNM: 462762, 497622, 497623, 497624, 497625, 589161

NE 06039Dc:

Plecotus balensis Kruskop & Lavrenchenko, 2000:
ZMMU: S-164904

NE 06040Dd:

Epomophorus minimus Claessen & De Vree, 1991:
BMNH: 1972.207.
Miniopterus africanus Sanborn, 1936:
NMP: 92127, 92129.
Miniopterus natalensis (A. Smith, 1833):
ROM: 71943.
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015:
HZM: 40.31315, 41.31316, 42.31317, 43.31318, 44.31328, 45.31369, 46.31370, 47.31371, 48.31372, 49.33964, 50.33965, 56.36213, 57.36214, 58.36215, 59.36216, 60.36217, 61.36218, 62.36219, 63.36220, 64.36221. - **NMP:** 91201, 91201_B, 91202, 91202_B, 91203, 91203_B. - **ROM:** 71944, 72059. - **SMF:** 41832, 41833.
Rhinolophus blasii Peters, 1867:
MNHN: ZM-MO-1985-919, ZM-MO-1985-920, ZM-MO-1985-921, ZM-MO-1985-922, ZM-MO-1985-923, ZM-MO-1985-924, ZM-MO-1985-925, ZM-MO-1985-926, ZM-MO-1985-927.
Rhinolophus simulator K. Andersen, 1904:
ROM: 71940, 71941, 71942. - **SMF:** 41813.
Triaenops afer Peters, 1877:
NMP: 92150, 92151, 92152, 92153, 92160, 92161, 92162, 92163, 92167, pb2497, pb2521

NE 06045Cd:

Scotophilus dinganii (A. Smith, 1833):
BMNH: 1954.1017

NW 05010Cc:

Epomops buettikoferi (Matschie, 1899):
BMNH: 1908.7.27.1.
Micropteropus pusillus (Peters, 1868):
BMNH: 1908.7.27.2

NW 05009Aa:

Epomops buettikoferi (Matschie, 1899):
AMNH: 256531.
Micropteropus pusillus (Peters, 1868):
AMNH: 256532, 256533

NW 05009Dc:

Eidolon helvum (Kerr, 1792):
MCZ: 24021, 24022, 24023, 24024, 24025

NW 05008Aa:

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
RMCA: 74.008-M-0001, 74.008-M-0002.
Scotonycteris occidentalis Hayman, 1947:
RMCA: 80.028-M-0001

NW 05008Ca:

Epomophorus gambianus (Ogilby, 1835):
RMCA: 80.036-M-0004.
Epomops franqueti (Tomes, 1860):
RMCA: 80.036-M-0018, 80.036-M-0019, 80.036-M-0020, 80.036-M-0021, 80.036-M-0022, 80.036-M-0023, 80.036-M-0024, 80.036-M-0025, 80.036-M-0026

NW 05008Dc:

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
AMNH: 256536, 256537, 256538, 256539, 268063

NW 05008Bb:

Epomops franqueti (Tomes, 1860):
ZMB: 4477.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 4476

NW 05008Bd:

Epomophorus gambianus (Ogilby, 1835):
AMNH: 257005, 257007, 257008, 257009, 257010, 257011.
Epomops buettikoferi (Matschie, 1899):
AMNH: 256545, 256546, 256547, 257006.
Hipposideros ruber (Noack, 1893):
AMNH: 256543.
Myonycteris leptodon K. Andersen, 1908:
AMNH: 256999.
Nycteris macrotis Dobson, 1876:
AMNH: 256541.
Scotonycteris occidentalis Hayman, 1947:
AMNH: 256535, 256548, 256549

NW 05007Ad:

Epomops buettikoferi (Matschie, 1899):
ORSTOM: A9240. - **USNM:** 465735, 465736, 465738. - **ZMA:** MAM.17274.
Myotis bocagii cupreolus Thomas, 1904:
USNM: 465820.
Nycteris arge Thomas, 1903:
USNM: 465766.
Scotonycteris occidentalis Hayman, 1947:
USNM: 46573917

NW 05007Cb:

Doryrhina cyclops (Temminck, 1853):
ROM: 100513.
Hipposideros beatus (K. Andersen, 1906):
ROM: 100504.
Hipposideros ruber (Noack, 1893):
ROM: 100496.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
ROM: 100479.
Myotis bocagii (Peters, 1870):
ROM: 100492.
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013:
ROM: 100482.
Nycteris grandis Peters, 1865:
ROM: 100481, 100586.
Rhinolophus alcyone Temminck, 1853:
ROM: 100480, 100491, 100493, 100494, 100495, 100587.
Scotonycteris occidentalis Hayman, 1947:
ROM: 100505, 100512

NW 05007Cd:

Casinycteris ophiodon (Pohle, 1943):
SMF: 91850. - **ZMA:** MAM.25450, MAM.25451

NW 05007Bb:

Epomops franqueti (Tomes, 1860):
RMCA: 80.036-M-0015, 80.036-M-0016.
Scotonycteris occidentalis Hayman, 1947:
RMCA: 80.036-M-0002

NW 05007Bd:

Epomops franqueti (Tomes, 1860):
RMCA: 80.036-M-0017.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 80.036-M-0005.
Scotonycteris occidentalis Hayman, 1947:
RMCA: 80.036-M-0003, 80.036-M-0006, 80.036-M-0007, 80.036-M-0008

NW 05006Dc:

Myonycteris leptodon K. Andersen, 1908:
USNM: 467764.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1911-1598

NW 05006Dd:

Hypsignathus monstrosus H. Allen, 1862:
USNM: 467881.
Nycteris grandis Peters, 1865:
USNM: 468030, 468031

NW 05005Cd:

Hipposideros beatus (K. Andersen, 1906):
MNHN: ZM-MO-1985-1738, ZM-MO-1985-1739, ZM-MO-1985-1740, ZM-MO-1985-1741, ZM-MO-1985-1742, ZM-MO-1985-1743, ZM-MO-1985-1744, ZM-MO-1985-1745, ZM-MO-1985-1746.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1985-1163, ZM-MO-1985-1735, ZM-MO-1985-1736, ZM-MO-1985-1737

NW 05005Ba:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1985-277

NW 05005Dc:

Doryrhina cyclops (Temminck, 1853):
AMNH: 239398, 239399, 239400. - **RMCA:** 97.077-M-3176, 97.077-M-3177. - **ZMA:** MAM.18246.
Epomops buettikoferi (Matschie, 1899):
ORSTOM: A9129. - **ZMA:** MAM.17273.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
AMNH: 239413.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 239424, 239425, 239426, 239427, 239428, 239429, 239430, 239431, 239432, 239433, 239434, 239435.
Neoromicia nana (Peters, 1852):
AMNH: 239404, 239405, 239406. - **RMCA:** 97.077-M-3227.
Nycteris grandis Peters, 1865:
RMCA: 97.077-M-3324, 97.077-M-3325.
Nycteris intermedia Aellen, 1959:
CM: 69155

NW 05004Ac:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 97.077-M-3181, 97.077-M-3201, 97.079-M-0776, 97.079-M-0891, 97.079-M-0892, 97.079-M-0893, 97.079-M-0894, 97.079-M-0895, 97.079-M-0896, 97.079-M-0897, 97.079-M-0898, 97.079-M-0899, 97.079-M-0900, 97.079-M-0901, 97.079-M-0902, 97.079-M-0903, 97.079-M-0904, 97.079-M-0905, 97.079-M-0906, 97.079-M-0907, 97.079-M-0908, 97.079-M-0909, 97.079-M-0910, 97.079-M-0911, 97.079-M-0912, 97.079-M-0913, 97.079-M-0914, 97.079-M-0915, 97.079-M-0916, 97.079-M-0917, 97.079-M-0918, 97.079-M-0919, 97.079-M-0920, 97.079-M-0921, 97.079-M-0922, 97.079-M-0923, 97.079-M-0924, 97.079-M-0925, 97.079-M-0926, 97.079-M-0927, 97.079-M-0928, 97.079-M-0929, 97.079-M-0930, 97.079-M-0931, 97.079-M-0932, 97.079-M-0933, 97.079-M-0934, 97.079-M-0935, 97.079-M-0936, 97.079-M-0937, 97.079-M-0938, 97.079-M-0939, 97.079-M-0940, 97.079-M-0941, 97.079-M-0942, 97.079-M-0943, 97.079-M-0944.
Doryrhina cyclops (Temminck, 1853):
RMCA: 35673, 97.077-M-3188.
Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1975-850, ZM-MO-1975-856. - **RMCA:** 35676, 35677, 35678, 97.079-M-0804, 97.079-M-0805, 97.079-M-0806, 97.079-M-0807, 97.079-M-0808, 97.079-M-0809. - **ZMA:** MAM.18866, MAM.18867, MAM.18868, MAM.18869, MAM.18870, MAM.18871, MAM.18872, MAM.18873, MAM.18874, MAM.18875.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 97.079-M-0829.
Epomops buettikoferi (Matschie, 1899):
MNHN: ZM-MO-2001-1514, ZM-MO-2001-1515, ZM-MO-2001-1516. - **ORSTOM:** 21.532, A8298, A8362, A8756. - **RMCA:** 34994, 34995, 97.079-M-0830, 97.079-M-0831, 97.079-M-0832. - **USNM:** 429884. - **ZMA:** MAM.17275. - **ZMB:** 67010.
Epomops franqueti (Tomes, 1860):
AMNH: 239376, 239377. - **FMNH:** 99030. - **MNHN:** ZM-MO-1975-873, ZM-MO-1975-875, ZM-MO-1975-877, ZM-MO-1975-881, ZM-MO-1975-886, ZM-MO-1981-945, ZM-MO-1981-946, ZM-MO-1983-1092, ZM-MO-1983-1093. - **ORSTOM:** A8071, A8072, A8073, A8075, A8076, A8297, A8299, A8300, A8301, A8302, A8304, A8728, A8729, A8740, A8747, A8749, A8750, A8753, B0012, B26, B27, B28, B30, B31, B32, B33, B34, B36, B37, B39, B40, B41, B42, B43, B60, B61. - **RMCA:** 97.079-M-0948, 97.079-M-0950, 97.079-M-0953, 97.079-M-0954, 97.079-M-0955, 97.079-M-0956. - **USNM:** 429879, 429880, 429883. - **ZMA:** MAM.16746, MAM.16747, MAM.16748, MAM.16749, MAM.16750, MAM.16751, MAM.16752, MAM.16753, MAM.16754, MAM.16755, MAM.16756, MAM.16757, MAM.16758, MAM.16813, MAM.17312, MAM.17313, MAM.17314, MAM.17315, MAM.17316, MAM.17317, MAM.17318, MAM.17319.
Glauconycteris poensis (Gray, 1842):
BMNH: 1969.26.
Hipposideros ruber (Noack, 1893):
RMCA: 35674, 35680, 97.077-M-3178, 97.077-M-3182, 97.077-M-3183.

Hypsignathus monstrosus H. Allen, 1862:
AMNH: 241016, 241017. - **MNHN:** ZM-MO-1975-862, ZM-MO-1975-863, ZM-MO-1975-865, ZM-MO-1975-866, ZM-MO-1975-867. - **ORSTOM:** A8905, A8907, A8908, A8909, A8910, A8911, A8912, A8913. - **USNM:** 429893. - **ZMA:** MAM.16525, MAM.16526, MAM.16528, MAM.18863, MAM.18864, MAM.18865, MAM.18878.
Hypsugo crassulus (Thomas, 1904):
RMCA: 35686.
Hypsugo eisentrauti (Hill, 1968):
USNM: 429941, 468189.
Kerivoula lanosa (A. Smith, 1847):
MHNG: 965.038.
Macronycteris vittatus (Peters, 1852):
RMCA: 34880, 34881, 97.079-M-0803.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
AMNH: 239386. - **RMCA:** 35679, 97.079-M-0752, 97.079-M-0754, 97.079-M-0787. - **USNM:** 467921.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1983-1096. - **RMCA:** 34878, 35004, 35005, 35006, 35007, 35012, 35014, 35015, 35016, 35017, 35019.
Mimetillus moloneyi (Thomas, 1891):
AMNH: 241052, 241053.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 97.077-M-3131.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
RMCA: 97.077-M-3191, 97.077-M-3192, 97.077-M-3193, 97.077-M-3194, 97.077-M-3195, 97.077-M-3196, 97.077-M-3197, 97.077-M-3198, 97.077-M-3199, 97.077-M-3200, 97.077-M-3332, 97.077-M-3333, 97.077-M-3334, 97.077-M-3335, 97.077-M-3336, 97.077-M-3337, 97.077-M-3338, 97.077-M-3339, 97.077-M-3340, 97.077-M-3341, 97.077-M-3342, 97.077-M-3343, 97.077-M-3344, 97.077-M-3345, 97.077-M-3346, 97.077-M-3347, 97.077-M-3348, 97.077-M-3349, 97.077-M-3350, 97.077-M-3351, 97.077-M-3352, 97.077-M-3353, 97.077-M-3354, 97.079-M-0756, 97.079-M-0757, 97.079-M-0758, 97.079-M-0759, 97.079-M-0760, 97.079-M-0761, 97.079-M-0762, 97.079-M-0763, 97.079-M-0766, 97.079-M-0767, 97.079-M-0768, 97.079-M-0769, 97.079-M-0770, 97.079-M-0771, 97.079-M-0772, 97.079-M-0773, 97.079-M-0774, 97.079-M-0775, 97.079-M-0778, 97.079-M-0796, 97.079-M-0797, 97.079-M-0798, 97.079-M-0799, 97.079-M-0833, 97.079-M-0834, 97.079-M-0835, 97.079-M-0836, 97.079-M-0837, 97.079-M-0838, 97.079-M-0839, 97.079-M-0840, 97.079-M-0841, 97.079-M-0842, 97.079-M-0843, 97.079-M-0844, 97.079-M-0845, 97.079-M-0846, 97.079-M-0847, 97.079-M-0848, 97.079-M-0849, 97.079-M-0850, 97.079-M-0851, 97.079-M-0852, 97.079-M-0853, 97.079-M-0854, 97.079-M-0855, 97.079-M-0856, 97.079-M-0857, 97.079-M-0858, 97.079-M-0859, 97.079-M-0860, 97.079-M-0861, 97.079-M-0862, 97.079-M-0863, 97.079-M-0864, 97.079-M-0865, 97.079-M-0866, 97.079-M-0867, 97.079-M-0868, 97.079-M-0869, 97.079-M-0870, 97.079-M-0871, 97.079-M-0872, 97.079-M-0873, 97.079-M-0874, 97.079-M-0875, 97.079-M-0876, 97.079-M-0877, 97.079-M-0878, 97.079-M-0879, 97.079-M-0880, 97.079-M-0881, 97.079-M-0882, 97.079-M-0883, 97.079-M-0884, 97.079-M-0885, 97.079-M-0886, 97.079-M-0887, 97.079-M-0888, 97.079-M-0889, 97.079-M-0890.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 97.079-M-0958, 97.079-M-0959, 97.079-M-0960, 97.079-M-0961.
Myonycteris angolensis (Bocage, 1898):
RMCA: 34997.
Myonycteris leptodon K. Andersen, 1908:
RMCA: 34879, 34999, 35000, 35001, 35002, 35003, 35008, 35009, 35010, 35672. - **USNM:** 467878.
Nanonycteris veldkampii (Jentink, 1888):
MNHN: ZM-MO-1981-933, ZM-MO-1981-934, ZM-MO-1981-935, ZM-MO-1981-936, ZM-MO-1981-937, ZM-MO-1981-938, ZM-MO-1981-939, ZM-MO-1981-940. - **ORSTOM:** A8074, A8303, A8726, A8727, A8730, A8748, A8751, A8752, A8757, A8758, A8759, A8760, A8761, A8762, A8763, B0013. - **RMCA:** 35011, 35013, 35018, 97.079-M-0753, 97.079-M-0755, 97.079-M-0946, 97.079-M-0947, 97.079-M-0949, 97.079-M-0951, 97.079-M-0952, 97.079-M-0957. - **ZMA:** MAM.16647, MAM.16648, MAM.16649, MAM.16650, MAM.16651, MAM.16652, MAM.16654, MAM.16655, MAM.18044.
Neoromicia brunnea (Thomas, 1880):
RMCA: 35681, 35682, 35683, 35684. - **USNM:** 429937, 429938, 429939, 429940, 468174.
Neoromicia nana (Peters, 1852):
MHNG: 924.098, 925.003, 925.012, 925.029, 925.031. - **MNHN:** ZM-MO-1911-816 A, ZM-MO-1911-816 B. - **RMCA:** 34857, 34862, 34863, 97.077-M-3179, 97.077-M-3185, 97.077-M-3186, 97.077-M-3187, 97.079-M-0765, 97.079-M-0780, 97.079-M-0781, 97.079-M-0782, 97.079-M-0783, 97.079-M-0784, 97.079-M-0785, 97.079-M-0786, 97.079-M-0788, 97.079-M-0789, 97.079-M-0790, 97.079-M-0792, 97.079-M-0793, 97.079-M-0794, 97.079-M-0795, 97.079-M-0801, 97.079-M-0810, 97.079-M-0811, 97.079-M-0812, 97.079-M-0813, 97.079-M-0814, 97.079-M-0815, 97.079-M-0816, 97.079-M-0817, 97.079-M-0818, 97.079-M-0819, 97.079-M-0820, 97.079-M-0821, 97.079-M-0822, 97.079-M-0823, 97.079-M-0824, 97.079-M-0825, 97.079-M-0826, 97.079-M-0827, 97.079-M-0828.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 97.077-M-3180, 97.077-M-3184, 97.079-M-0764, 97.079-M-0777, 97.079-M-0800. - **USNM:** 429949.
Nycteris arge Thomas, 1903:
MHNG: 923.088, 923.089, 923.090, 923.091, 923.092. - **USNM:** 454617, 454618, 454619.
Nycteris hispida (Schreber, 1774):
RMCA: 34996, 35675, 97.077-M-3326, 97.077-M-3327, 97.077-M-3328. - **USNM:** 478937.
Nycteris intermedia Aellen, 1959:
MHNG: 923.094.
Nycteris macrotis Dobson, 1876:
RMCA: 34998.
Pipistrellus hesperidus (Temminck, 1840):
CM: 69167.
Pipistrellus nanulus Thomas, 1904:
RMCA: 97.079-M-0779.
Scotonycteris occidentalis Hayman, 1947:
AMNH: 239378, 239379, 239380, 239381. - **USNM:** 429895, 429897, 467894.

Scotophilus nigrita (Schreber, 1774):
RMCA: 97.077-M-3190.
Scotophilus nucella Robbins, 1983:
AMNH: 241056.
Scotophilus nux Thomas, 1904:
AMNH: 239411, 241057. - **RMCA:** 78.048-M-0001, 78.048-M-0002, 78.048-M-0003, 78.048-M-0004, 78.048-M-0005, 78.048-M-0006, 78.048-M-0007, 78.048-M-0008, 78.048-M-0009, 78.048-M-0010, 78.048-M-0011, 78.048-M-0012, 78.048-M-0013, 78.048-M-0014, 78.048-M-0015, 78.048-M-0016, 78.048-M-0017, 78.048-M-0018, 78.048-M-0019, 78.048-M-0020, 78.048-M-0021, 78.048-M-0022, 78.048-M-0023, 78.049-M-0001, 78.049-M-0002, 78.049-M-0003, 78.049-M-0004, 78.049-M-0005, 78.049-M-0006, 78.049-M-0007, 78.049-M-0008, 78.049-M-0009, 78.049-M-0010, 78.049-M-0011, 78.049-M-0012, 78.049-M-0013, 78.049-M-0014, 78.049-M-0015, 97.077-M-3189

NW 05004Ca:

Epomops buettikoferi (Matschie, 1899):
USNM: 429888, 429891, 429892.
Nycteris arge Thomas, 1903:
USNM: 429906, 429907, 429908, 429910

NW 05004Ab:

Neoromicia nana (Peters, 1852):
USNM: 429942, 429945

NW 05004Ba:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 97.077-M-3236, 97.077-M-3237

NW 05004Bc:

Neoromicia nana (Peters, 1852):
MHNG: 925.005.
Nycteris intermedia Aellen, 1959:
MHNG: 923.095, 923.096, 923.097

NW 05004Bb:

Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
MNHN: ZM-2011-1001

NW 05003Ab:

Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1975-814.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-1885-886.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1982-2605, ZM-MO-1982-2606, ZM-MO-1982-2607, ZM-MO-1982-2608, ZM-MO-1982-2609, ZM-MO-1982-2610

NW 05003Bd:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1985-1787

NW 05004Ac:

Neoromicia nana (Peters, 1852):
RMCA: 97.079-M-0791

NW 05002Ca:

Doryrhina cyclops (Temminck, 1853):
ROM: 52031, 52032, 52033, 52034.
Hipposideros caffer (Sundevall, 1846):
ROM: 62019, 62020.
Hipposideros jonesi Hayman, 1947:
ROM: 62021

NW 05002Cc:

Hipposideros caffer (Sundevall, 1846):
ROM: 70552, 70553, 70554, 70555, 70556, 70557, 70558, 70559, 70560, 70561, 70562, 70563, 70564

NW 05002Ab:

Glauconycteris poensis (Gray, 1842):
ZFMK: 2003.1027.
Hipposideros ruber (Noack, 1893):
ZFMK: 2003.1024, 2003.1025, 2003.1028.
Myonycteris leptodon K. Andersen, 1908:
ZFMK: 2003.1022

NW 05002Ad:

Chaerephon aloysiisabaudiae (Festa, 1907):
USNM: 414396.
Epomops buettikoferi (Matschie, 1899):
USNM: 413887, 413888, 413892, 413893, 413894, 413895, 413896, 413897, 413898, 413899, 413900, 413901, 413902, 413903, 413904, 413905, 413906, 413907, 413908.
Epomops franqueti (Tomes, 1860):
USNM: 413886, 413889, 413891.
Glauconycteris poensis (Gray, 1842):
USNM: 414245.
Hipposideros beatus (K. Andersen, 1906):
USNM: 414185, 414186.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 414010, 414011, 414012.
Macronycteris gigas (Wagner, 1845):
USNM: 414229, 414230.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 414068, 414069, 414070, 414071, 414072, 414073, 414074.
Mimetillus moloneyi (Thomas, 1891):
USNM: 414242.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 414249, 414250, 414251, 414252, 414253, 414254, 414255.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
USNM: 414392.
Mops (Xiphonycteris) thersites (Thomas, 1903):
USNM: 414264, 414265, 414266, 414267, 414268, 414269, 414270, 414271, 414272, 414273, 414274, 414275, 414276, 414277, 414278, 414279, 414280, 414281, 414282, 414283, 414284, 414285, 414286, 414287, 414288, 414289, 414290, 414292, 414293, 414294, 414295, 414296, 414297, 414298, 414299, 414300, 414301, 414389, 414395.
Myonycteris leptodon K. Andersen, 1908:
USNM: 413754, 413755, 413756, 413757, 413758, 413759, 413760, 413761, 413762, 413763, 413764, 413765, 413766, 413767, 413768, 413769, 413770, 413771, 413772, 413773, 413774, 413775, 413776, 413777, 413778, 413779, 413780, 413781, 413782, 413783, 413784, 413785, 413786, 413787, 413788, 413789, 413790, 413791, 413792, 413793, 413794, 413795, 413796, 413797, 413798, 413799, 413800, 413801, 413802, 413803, 413804, 413805.
Pipistrellus nanulus Thomas, 1904:
USNM: 414240.
Scotonycteris occidentalis Hayman, 1947:
USNM: 414017, 414018, 414019, 414020, 414021

NW 05002Da:

Epomops buettikoferi (Matschie, 1899):
ZFMK: 2003.1037.
Hipposideros beatus (K. Andersen, 1906):
ZFMK: 2003.1036.
Hipposideros fuliginosus (Temminck, 1853):
ZFMK: 2003.1035.
Macronycteris gigas (Wagner, 1845):
ZFMK: 2003.1041.
Micropteropus pusillus (Peters, 1868):
ZFMK: 2003.1033.
Nycteris arge Thomas, 1903:
ZFMK: 2003.1032

NW 05002Bb:

Doryrhina cyclops (Temminck, 1853):
RMCA: 97.077-M-3174, 97.077-M-3175, 97.077-M-3240.
Mimetillus moloneyi (Thomas, 1891):
RMCA: 97.077-M-3238, 97.077-M-3239.
Neoromicia brunnea (Thomas, 1880):
RMCA: 97.077-M-7724.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 429950, 429951, 429952

NW 05001Aa:

Hipposideros abae J.A. Allen, 1917:
FMNH: 54495.
Hipposideros ruber (Noack, 1893):
FMNH: 55746, 55747

NW 05001Ac:

Nycteris hispida (Schreber, 1774):
USNM: 411875

NW 05001Ca:

Nycteris macrotis Dobson, 1876:
USNM: 414161

NW 05001Ab:

Doryrhina cyclops (Temminck, 1853):
ROM: 56528.
Eidolon helvum (Kerr, 1792):
ROM: 56529, 56530.
Epomops franqueti (Tomes, 1860):
ZMA: MAM.01626.
Hipposideros abae J.A. Allen, 1917:
HNHM: 73.103.1, 73.103.2, 73.106.1, 73.106.2, 73.106.3.
Hipposideros caffer (Sundevall, 1846):
HNHM: 73.104.1, 73.104.2, 73.104.3, 73.104.4, 73.104.5, 73.104.6, 73.104.7, 73.104.8, 73.104.9, 73.107.1. - **ZMB:** 2571.
Hipposideros ruber (Noack, 1893):
HNHM: 73.105.1, 73.105.2, 73.105.3, 73.105.4, 73.105.5, 73.105.6, 73.108.1, 73.108.2, 73.108.3, 73.108.4, 73.108.5, 73.108.6, 73.108.7, 73.108.8.
Hipposideros tephrus (Cabrera, 1906):
USNM: 412018, 412019, 412020, 412021, 412022, 412023, 412024, 412025, 412026, 412027, 412028, 412029, 412030, 412031, 412032, 412033, 412034, 412035, 412036, 412037, 412038, 412039, 412040, 412041, 412042, 412043, 412044, 412045, 412046, 412047, 412048, 412049, 412050, 412051, 412052, 412053, 412054, 412055, 412056, 412057, 412058, 412059, 412060, 412061, 412062, 412063, 412064, 412065, 412066, 412067, 412068, 412069, 412070, 412071, 412072, 412073, 412074, 412075, 412076, 412077, 412078, 412079, 412080, 412081, 412082.
Nycteris macrotis Dobson, 1876:
HNHM: 73.109.1. - **RMNH:** MAM.28519.
Scotonycteris occidentalis Hayman, 1947:
BMNH: 1978.2817

NW 05001Ad:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 412208.
Eidolon helvum (Kerr, 1792):
BMNH: 1898.10.24.2, 1898.10.24.3, 1964.1270, 1964.1271. - **USNM:** 411809, 411810, 411811, 411812, 411813.
Epomops buettikoferi (Matschie, 1899):
USNM: 411563, 411564, 411565, 411566, 411567, 411568, 411569, 411570, 411571, 411572, 411573, 411574, 411575, 411576, 411577, 411578, 411579, 411580, 411581, 411582, 411583, 411584, 411585, 411586, 4115890, 4115892, 4115893, 4115896, 411590, 411592, 411593, 411596.
Epomops franqueti (Tomes, 1860):
USNM: 411587, 411588, 411589, 411591, 411594, 411595.
Hipposideros caffer (Sundevall, 1846):
USNM: 479421.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 411814, 411815.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 412247, 412248.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
USNM: 412218, 412219, 412220, 412221, 412222, 412223, 412224.
Mops (Xiphonycteris) thersites (Thomas, 1903):
USNM: 412226, 412227, 412228, 412229, 412230, 412231, 412232, 412233, 412234, 412235, 412236, 412237, 412238, 412239, 412240, 412241, 412242, 412243, 412244, 412245, 412246, 412249, 412250, 412251, 412252, 412253, 412254, 412255, 412256, 412257, 412258, 412259, 412260, 412261, 412262, 412263, 412264, 412265, 412266.
Myotis bocagii cupreolus Thomas, 1904:
USNM: 412115, 412116.
Neoromicia nana (Peters, 1852):
USNM: 412119, 412120, 412121, 412122.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 412136, 412137, 412138.
Nycteris arge Thomas, 1903:
USNM: 411876.

Nycteris macrotis Dobson, 1876:
USNM: 411877, 411878, 411879, 411880, 411881, 411882, 411883

NW 05001Cb:

Epomops buettikoferi (Matschie, 1899):
BMNH: 1966.6241

NW 05001Dd:

Epomops franqueti (Tomes, 1860):
ROM: 70527.
Scotophilus nucella Robbins, 1983:
ROM: 70525

NW 05000Ca:

Chaerephon leucogaster (A. Grandidier, 1869):
ROM: 55091, 55092, 55098, 55099, 55100, 55101, 55102, 55103, 55104, 55105, 55106, 55107, 55108, 55109, 55110, 55111, 55112, 55113, 55115, 55116, 55117, 55118, 55119, 55120, 55121, 55122, 55123, 55124, 55125, 55139, 55185.
Chaerephon pumilus (Cretzschmar, 1826):
BMNH: 1981.218_2. - **FMNH:** 54028. - **USNM:** 414393, 414394, 429532.
Eidolon helvum (Kerr, 1792):
BMNH: 1920.5.12.2, 1920.5.12.3. - **USNM:** 414061, 414062, 414063, 414064, 414065, 414066, 414067, 439928.
Epomophorus gambianus (Ogilby, 1835):
CM: 62358, 62359, 62361, 62362, 62363, 62364, 62366, 62367. - **FMNH:** 105813, 105814, 105815. - **MVZ:** 149405, 149410, 149411, 149412, 149413, 149414, 149419. - **ROM:** 35804, 35805, 35806, 35807, 35808, 35809, 55088, 55089, 55090, 55093, 55094, 55096, 55127. - **USNM:** 411287, 411288, 411289, 411290, 411291, 411292, 411293, 411294, 411295, 411296, 411297, 411298, 411299, 411300, 411301, 411302, 411303, 411304, 411305, 411306, 411307, 411308, 411309, 411310, 411312, 411313, 411314, 411315, 411316, 411317, 411318, 411319, 411320, 411321, 411322, 411323, 411324, 411325, 411326, 411327, 411328, 411329, 411330, 411331, 411332, 411333, 411334, 411335, 411336, 411337, 411338, 411339, 411340, 411341, 411342, 411343, 411344, 411345, 411346, 411347, 411348, 411349, 411350, 411351, 411352, 411353, 411354, 411355, 411356, 411357, 411358, 411359, 411360, 411361, 411362, 411363, 411364, 411365, 411366, 411367, 411368, 411369, 411370, 411371, 411372, 411373, 411374, 411375, 411376, 411377, 411378, 411379, 411380, 411381, 411382, 411383, 411384, 411385, 411386, 411387, 411388, 411389, 411390, 411391, 411392, 411393, 411394, 411395, 411396, 411398, 411399, 411400, 411401, 411402, 411403, 411404, 411405, 411406, 411407, 411408, 411409, 411410, 411411, 411412, 411413, 411414, 411415, 411416, 411417, 411418, 411419, 411420, 411421, 411422, 411423, 411424, 411425, 411426, 411427, 411428, 411429, 411430, 411431, 411432, 411433, 411434, 411435, 411436, 411437, 411438, 411439, 411440, 411441, 411442, 411443, 411444, 411445, 411446, 411447, 411448, 411449, 411450, 411451, 411452, 411453, 411454, 411455, 411456, 411457, 411458, 411459, 411460, 411461, 411462, 411463, 411464, 411465, 411466, 411467, 411472, 411473, 411474, 411475, 411476, 413806, 413807, 413808, 413809, 413810, 413811, 413812, 413813, 413814, 413815, 413816, 413817, 413818, 413819, 413820, 413821, 413822, 413823, 413824, 413825, 413826, 413827, 413828, 413829, 413830, 413831, 413832, 413833, 413834, 413835, 413836, 413837, 413838, 413839, 413840, 413841, 413842, 413843, 413844, 413845, 413846, 413847, 413848, 413849, 413850, 413851, 413852, 413853, 413854, 413855, 413856, 413857, 413858, 413859, 413860, 413861, 413862, 413863, 413864, 413865, 413866, 413867, 413868, 413869, 413870, 413871, 413872, 413873, 413874, 413884, 413885, 439844, 439845, 439846, 439847, 439848, 439849, 439892, 439893, 439894, 439895, 439896, 439897, 439898, 439899, 439900, 439901, 439902, 439904, 439905, 439906, 439907, 439908, 439909, 439910, 439911, 439912, 448868, 448869, 448870, 448871, 448872, 478525, 478526, 478527, 478539. - **ZMB:** 10065, 15056, 15057, 3654, 4784.
Epomophorus gambianus gambianus (Ogilby, 1835):
ROM: 36620, 36621, 36622, 36623, 36624, 36627, 36628, 39398, 39400, 39401, 39402, 39442, 39443, 39445, 39446, 39447, 39448, 39449, 39450, 39451, 39452, 39453, 39454, 39455.
Epomophorus labiatus (Temminck, 1837):
FMNH: 105811, 105812.
Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 4786.
Epomops franqueti (Tomes, 1860):
MVZ: 149415, 149418, 149420, 149422, 149423, 149424, 149425, 149427, 149428, 149429, 149430, 149431, 149432, 149433, 149434, 149435. - **ROM:** 36651, 36656, 39396. - **USNM:** 36656, 411397, 411501, 411502, 411503, 411504, 411505, 411506, 411507, 411508, 411509, 411510, 411511, 411512, 411513, 411514, 411515, 411516, 411517, 411558, 413875, 413876, 413878, 413879, 413880, 413881, 413882, 413883, 439857, 439864, 439865, 439903, 448873, 448874, 478541, 478542, 478543, 478544, 576105.
Hipposideros beatus (K. Andersen, 1906):
HNHM: 73.101.1, 73.101.2.
Hipposideros caffer (Sundevall, 1846):
ZMB: 4789, 8394, 8395.
Hipposideros tephrus (Cabrera, 1906):
USNM: 439935.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 411995, 411996, 411997, 411998, 411999, 412000, 412001, 412002, 412003, 414166, 439940. - **ZMB:** 3592, 4787, 67899.
Macronycteris gigas (Wagner, 1845):
USNM: 412093, 412094, 412095, 412096, 414228.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
MVZ: 149436. - **ROM:** 36578.

Micropteropus pusillus (Peters, 1868):
BMNH: 1920.10.28.2, 1965.741. - **MVZ:** 149376, 149381, 149382, 149383, 149384, 149385, 149386, 149387, 149388, 149389, 149390, 149391, 149392, 149393, 149394, 149395, 149396, 149397, 149398, 149399, 149400, 149401, 149402, 149403, 149404, 149406, 149407, 149408, 149409, 149416, 149417, 149421, 149426, 149437. - **ROM:** 35811, 35812, 35813, 35814, 35815, 35816, 35817, 35818, 35819, 35820, 35821, 35822, 35823, 35824, 35825, 35826, 35827, 35828, 35829, 35830, 35831, 35832, 35833, 35834, 35835, 35836, 35837, 35838, 35839, 35840, 35841, 36555, 36556, 36613, 36614, 36615, 36616, 36617, 39395, 39397, 39399, 39444, 55095. - **USNM:** 411634, 411635, 411636, 411637, 411638, 411639, 411640, 411641, 411642, 411643, 411644, 411645, 411646, 411647, 411648, 411649, 411650, 411651, 411652, 411653, 411674, 411679, 411680, 411681, 411682, 411683, 411684, 411685, 411686, 411687, 411688, 411689, 411690, 411691, 411692, 411693, 411694, 411695, 411696, 411697, 411698, 411699, 411700, 411701, 411702, 411703, 411704, 411705, 411706, 411707, 411708, 411709, 411710, 411711, 411712, 411713, 411714, 411715, 411716, 411717, 411718, 411719, 411720, 411721, 411722, 411723, 411724, 411725, 411726, 411727, 411728, 411729, 411730, 411731, 411732, 411733, 411734, 411735, 411736, 411737, 411738, 411739, 411740, 411741, 411742, 411743, 411744, 411745, 411746, 411747, 411748, 411749, 411750, 411751, 411752, 411753, 411754, 411755, 411756, 411757, 411758, 411759, 411760, 411761, 411762, 411763, 411764, 411765, 411766, 411767, 411768, 411769, 411770, 411771, 411772, 411773, 411774, 411775, 411776, 411777, 411778, 411779, 411780, 411781, 411782, 411783, 411784, 411785, 411786, 414024, 414025, 414026, 414027, 414028, 414029, 414030, 414031, 414032, 414033, 414034, 414035, 414036, 414037, 414038, 414039, 414040, 414041, 414042, 414043, 414044, 414045, 414046, 414047, 414048, 414049, 414050, 414051, 414052, 414053, 414054, 414055, 414056, 414057, 414058, 414059, 439913, 439914, 439915, 439916, 439917, 439918, 439919, 439920, 439921, 439922, 439923, 448875, 478546, 478547, 478553, 478554, 478555, 478559.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 412278, 412279, 412280, 412281, 412282, 412283, 412284, 412285, 412286, 412287, 412288, 412356, 412427, 412428, 412429, 412430, 412431, 412432, 412433, 412434, 412435, 412436, 412437, 412438, 412439, 412440, 412441, 412442, 412443, 412444, 412445, 412446, 412447, 412448, 412449, 412450, 412451, 412452, 412453, 412454, 412455, 412456, 412457, 412458, 412459, 412460, 412461, 412462, 412463, 412464, 412465, 412466, 412467, 412468, 412469, 412470, 412471, 412472, 412473, 412474, 412475, 412476, 412477, 412478, 412479, 412480, 412481, 412482, 412483, 412484, 412485, 412486, 412487, 412488, 412489, 412490, 412491, 412492, 412493, 412494, 412495, 412496, 412497, 412498, 412499, 412500, 412501, 412502, 412503, 412504, 412505, 412506, 412507, 412508, 412509, 412510, 412511, 412512, 412513, 412514, 412515, 412516, 412517, 412518, 412519, 412520, 412521, 412522, 412523, 412524, 412525, 412526, 412527, 412528, 412529, 412530, 412531, 412532, 412533, 412534, 412535, 412536, 412537, 412538, 412539, 412540, 412541, 412542, 412543, 412544, 412545, 412546, 412547, 412548, 412549, 412550, 412551, 412552, 412553, 412554, 412555, 412556, 412557, 412558, 412559, 412560, 412561, 412562, 412563, 412564, 412565, 412566, 412567, 412568, 412569, 412570, 412571, 412572, 412573, 412574, 412575, 412576, 412577, 412578, 412579, 412580, 412581, 412582, 412583, 412584, 412585, 412586, 412587, 412588, 412589, 412590, 412591, 412592, 412593, 412594, 412595, 412596, 412597, 412598, 412599, 412600, 412601, 412602, 412603, 412604, 412605, 412606, 412607, 412608, 412609, 412610, 412611, 412612, 412613, 412614, 412615, 412616, 412617, 412618, 412619, 412620, 412621, 412622, 412623, 412624, 412625, 412626, 412627, 412628, 414386, 414387, 429531, 479645, 479646, 479647, 479648, 479649, 479650, 479651, 479652, 479653, 479654, 479655, 479656, 479657, 479658, 479659, 479660, 479661, 479662, 479663, 479664, 479665, 479666, 479667, 479668, 479669, 479670, 479671, 479672, 479673, 479674, 479675, 479676, 479677, 479678, 479679, 479698, 479699, 479700, 479701, 479702, 479703, 479704, 479705, 479706, 479707, 479708, 479709, 479710, 479711, 479712, 479713, 479714, 479715, 479716, 479717, 479718, 479719, 479720, 479721, 479722, 479723, 479724, 479725, 479726, 479727, 479728, 479729, 479730, 479731, 479732, 479733, 479734, 479735, 479736, 479737, 479738, 479739, 479740, 479741, 479742, 479743, 479744, 479745.
Mops (Mops) demonstrator (Thomas, 1903):
BMNH: 1981.218_1.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
BMNH: 1953.556.
Myonycteris leptodon K. Andersen, 1908:
ROM: 35810. - **USNM:** 411840, 411841.
Nanonycteris veldkampii (Jentink, 1888):
USNM: 411795, 411796, 411797, 411798, 411799, 411800, 411801, 411802, 411803, 411804, 411805. - **ZMB:** 4061.
Neoromicia nana (Peters, 1852):
ROM: 49108. - **USNM:** 412117.
Nycteris grandis Peters, 1865:
ROM: 36577.
Nycteris hispida (Schreber, 1774):
BMNH: 1933.11.1.1. - **MVZ:** 183517, 183518, 183519. - **USNM:** 411915. - **ZMB:** 3594.
Nycteris macrotis Dobson, 1876:
MVZ: 174560. - **ROM:** 39437, 39438, 39439, 39440, 39441, 39462, 39463, 39464, 39465, 39466, 39467. - **USNM:** 411893, 411894, 411895, 411896, 411897, 411898, 411899, 411900, 411901, 411902, 411903, 411904, 411905, 411906, 411907, 411908, 411909, 411910, 411911, 411912, 411913, 411914.
Rhinopoma microphyllum (Brünnich, 1782):
ZMB: 5223.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
WAM: M21216, M21217.
Scotophilus dinganii (A. Smith, 1833):
ROM: 55097, 55114, 55126, 55187, 55188, 55189, 55190. - **USNM:** 412143, 412145, 412146, 412147, 412150, 412151, 412152, 412153, 412155, 412156, 412157, 412158, 429522, 429523, 429525, 429526, 429527, 429528. - **ZMB:** 3593, 3653.
Scotophilus nigrita (Schreber, 1774):
FMNH: 105817.
Scotophilus viridis (Peters, 1852):
USNM: 412144, 412148, 412149, 412154, 412159, 429524.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 411842

NW 05000Cc:

Doryrhina cyclops (Temminck, 1853):
USNM: 412102, 412103, 412104, 412105, 412106, 412107, 412108, 412109, 412110, 412111, 412112, 412113, 412114.
Epomophorus gambianus (Ogilby, 1835):
ROM: 55169, 55170, 55171, 55172, 55173, 55174, 55175, 55180, 55181, 55184, 55191. - **USNM:** 411239, 411240, 411241, 411242, 411243, 411244, 411245, 411246, 411247, 411248, 411249, 411250, 411251, 411252, 411253, 411254, 411255, 411256, 411257, 411258, 411259, 411260, 411261, 411262, 411263, 411264, 411265, 411266, 411267, 411268, 411269, 411270, 411271, 411272, 411273, 411274, 411275, 411276, 411277, 411278, 411279, 411280, 411281, 411282, 411283, 411284, 411285, 411286, 478528.
Epomops franqueti (Tomes, 1860):
USNM: 411530, 411534, 411535, 411536, 411537, 411538, 411539, 411540, 411541.
Glauconycteris poensis (Gray, 1842):
USNM: 412161, 412162, 412163, 412164, 412165, 412166, 412167.
Hipposideros caffer (Sundevall, 1846):
HNHM: 73.102.1, 73.102.2, 73.102.3, 73.102.4, 73.102.5, 73.102.6, 73.102.7, 73.102.8, 73.102.9. - **USNM:** 412090.
Hypsignathus monstrosus H. Allen, 1862:
HNHM: 73.100.1. - **USNM:** 411601, 411602, 411603, 411604.
Micropteropus pusillus (Peters, 1868):
ROM: 55162, 55163, 55164, 55165, 55166, 55167, 55168, 55176, 55179, 55183. - **USNM:** 411654, 411655, 411656, 411657, 411658, 411659, 411660, 411661, 411662, 411663, 411664, 411665, 411666, 411667, 411668, 411669, 411670, 411671, 411672, 411673.
Neoromicia nana (Peters, 1852):
ROM: 55149, 55150, 55151, 55177, 55182.
Nycteris arge Thomas, 1903:
USNM: 411927, 411928.
Nycteris grandis Peters, 1865:
USNM: 414165.
Nycteris macrotis Dobson, 1876:
USNM: 414103, 414104, 414105, 414106, 414107, 414108, 414144, 414145, 414146, 414147, 414148, 414149, 414150, 414151, 414152, 414153, 414154, 414155, 414156, 414157, 414158, 414159, 414160

NW 05000Cb:

Epomophorus gambianus (Ogilby, 1835):
CM: 69130, 69131, 69133, 69134.
Epomophorus gambianus gambianus (Ogilby, 1835):
AMNH: 241010, 241011.
Epomops franqueti (Tomes, 1860):
AMNH: 241012.
Hipposideros tephrus (Cabrera, 1906):
USNM: 414168, 414170, 414171, 414172, 414173, 414174, 414175, 414176, 414177, 414178, 414179, 414180, 414181, 414182.
Macronycteris vittatus (Peters, 1852):
ROM: 55128, 55140.
Micropteropus pusillus (Peters, 1868):
AMNH: 241021, 241022.
Neoromicia nana (Peters, 1852):
CM: 69165.
Nycteris macrotis Dobson, 1876:
USNM: 414124, 414125, 414126, 414127, 414128, 414129, 414130, 414131, 414132, 414133, 414134, 414135, 414136, 414137, 414138, 414139, 414140, 414141, 414142, 414143, 478992, 478993, 478994, 478995, 478996, 478997, 478998, 478999, 479000, 479001, 479002, 479003.
Rhinolophus landeri Martin, 1838:
ROM: 39377.
Scotophilus viridis (Peters, 1852):
AMNH: 241058

NW 05000Bc:

Eidolon helvum (Kerr, 1792):
FMNH: 54439. - **MCZ:** 42651.
Nycteris macrotis Dobson, 1876:
BMNH: 1946.114. - **FMNH:** 55742, 55743

NW 05000Bd:

Epomophorus gambianus (Ogilby, 1835):
BMNH: 1920.10.28.1.
Epomops franqueti (Tomes, 1860):
ZMB: 2620, 3562, 357.
Hipposideros caffer (Sundevall, 1846):
ROM: 62080, 62081, 62082, 62083, 62084, 62085, 62086, 62087, 62088, 62089, 62091, 62092, 62093, 62094, 62095, 62096, 62097, 62098, 62099. - **ZMB:** 2955.

Hipposideros fuliginosus (Temminck, 1853):
ZMB: 3559, 8391, 8392, 8393.
Nycteris grandis Peters, 1865:
RMNH: MAM.27348.
Nycteris hispida (Schreber, 1774):
BMNH: 1890.10.6.2, 1890.10.6.3, 1890.10.6.7. - **USNM:** 14531

NW 05000Dd:

Casinycteris ophiodon (Pohle, 1943):
BMNH: 1946.229.
Doryrhina cyclops (Temminck, 1853):
FMNH: 54496, 54497, 55748, 55765, 55766, 62248. - **USNM:** 439936, 439937, 439938, 479426.
Eidolon helvum (Kerr, 1792):
FMNH: 62249, 62250, 62251. - **USNM:** 439925, 439926, 439927, 439929, 439930, 439931.
Epomops buettikoferi (Matschie, 1899):
FMNH: 55764.
Epomops franqueti (Tomes, 1860):
USNM: 439850, 439851, 439852, 439853, 439854, 439855, 439856, 439858, 439859, 439860, 439861, 439862, 439863, 439866, 439867, 439868, 439869, 439870, 439871, 439872, 439873, 439874, 439875, 439876, 439877, 439878, 439879, 439880, 439881, 439882, 439883.
Glauconycteris poensis (Gray, 1842):
FMNH: 55753.
Glauconycteris superba Hayman, 1939:
BMNH: 1947.10.
Hipposideros beatus (K. Andersen, 1906):
FMNH: 55745, 55767. - **MCZ:** 42648.
Hipposideros caffer (Sundevall, 1846):
ROM: 61997, 61999, 62000, 62001, 62002, 62003, 62004, 62005, 62006, 62007.
Hipposideros fuliginosus (Temminck, 1853):
FMNH: 54713, 54714, 54715, 54716, 54717, 54718, 54719, 54720, 54721, 54722, 54723, 54724. - **USNM:** 429519, 429520, 429521, 439942, 439943, 439944, 439946, 439948, 439950, 439951, 439952, 439955, 439956, 439957, 439958, 439959, 439960, 439964, 439965, 439966, 439967, 439969, 439971, 439972, 439973, 439976, 439979, 439981, 439982, 439984, 439985, 439987, 439990, 439992, 439994, 439995, 439997, 439998, 440000.
Hipposideros ruber (Noack, 1893):
FMNH: 55749. - **USNM:** 439941, 439945, 439947, 439949, 439953, 439954, 439961, 439962, 439963, 439968, 439970, 439974, 439975, 439977, 439978, 439980, 439983, 439986, 439988, 439989, 439991, 439993, 439996, 439999.
Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1946.372. - **FMNH:** 54438, 54725, 55763. - **MCZ:** 42650.
Kerivoula lanosa (A. Smith, 1847):
FMNH: 55750.
Macronycteris gigas (Wagner, 1845):
MSU: MR.16585. - **USNM:** 439932, 439933, 439934, 576112.
Macronycteris vittatus (Peters, 1852):
ROM: 56526.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
MSU: MR.16584. - **USNM:** 439885, 439886, 439887, 439888, 439889, 439890, 439891, 478565.
Micropteropus pusillus (Peters, 1868):
USNM: 439924.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 59827.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
BMNH: 1946.242.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 59826, 59828.
Neoromicia Roberts, 1926:
MCZ: 48875.
Neoromicia nana (Peters, 1852):
FMNH: 55754, 55755, 55756, 55757.
Neoromicia tenuipinnis (Peters, 1872):
FMNH: 54693, 54694, 55751, 55752. - **ROM:** 59832.
Nycteris arge Thomas, 1903:
BMNH: 1946.124. - **FMNH:** 54492, 55744.
Nycteris grandis Peters, 1865:
BMNH: 1946.112. - **FMNH:** 54491, 54493, 54494, 54700, 55741, 55770.
Nycteris hispida (Schreber, 1774):
BMNH: 1946.115.
Nycteris intermedia Aellen, 1959:
BMNH: 1946.116, 1946.117, 1946.235. - **USNM:** 439939.
Nycteris nana (K. Andersen, 1912):
BMNH: 1946.377, 1946.378.
Saccolaimus peli (Temminck, 1853):
MCZ: 42649.
Scotonycteris occidentalis Hayman, 1947:
BMNH: 1946.898. - **USNM:** 439884.

Scotophilus nucella Robbins, 1983:
USNM: 429529, 429530

NW 05001Cc:

Hipposideros jonesi Hayman, 1947:
AMNH: 233903, 233904, 233905, 233906, 233907

NE 05000Cc:

Chaerephon leucogaster (A. Grandidier, 1869):
ROM: 60234, 60250, 60254, 60256, 60264, 60265, 60267.
Chaerephon major (Trouessart, 1897):
ROM: 55153, 60229, 60230, 60231, 60235, 60238.
Chaerephon pumilus (Cretzschmar, 1826):
USNM: 412209, 412210, 412211, 412212, 412213, 412214, 412215, 412216, 412217.
Epomophorus gambianus (Ogilby, 1835):
ROM: 60236. - **USNM:** 411477, 411478, 411479, 411480, 411481, 411482, 411483, 411484, 411485, 411486, 411487, 411488.
Hipposideros caffer (Sundevall, 1846):
CM: 113598, 113599, 113600, 113601, 113602, 113603, 113604.
Micropteropus pusillus (Peters, 1868):
ROM: 55178, 60244, 60246, 60247.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 60233, 60239, 60240, 60241, 60242, 60248, 60249, 60251, 60252, 60253, 60255, 60257, 60258, 60259, 60260, 60261, 60262, 60263, 60266, 60268, 60269, 60270, 60271, 60272, 60273, 60274, 60275, 60276. - **USNM:** 412357, 412358, 412359, 412360, 412361, 412362, 412363, 412364, 412365, 412366, 412367, 412368, 412369, 412370, 412371, 412372, 412373, 412374, 412375, 412376, 412377, 412378, 412379, 412380, 412381, 412382, 412383, 412384, 412385, 412386, 412387, 412388, 412389, 412390, 412391, 412392, 412393, 412394, 412395, 412396, 412397, 412398, 412399, 412400, 412401, 412402, 412403, 412404, 412405, 412406, 412407, 412408, 412409, 412410, 412411, 412412, 412413, 412414, 412415, 412416, 412417, 412418, 412419, 412420, 412421, 412422, 412423, 412424, 412425, 412426.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 412289, 412290, 412291, 412292, 412293, 412294, 412295, 412296, 412297, 412298, 412299, 412300, 412301, 412302, 412303, 412304, 412305, 412306, 412307, 412308, 412309, 412310, 412311, 412312, 412313, 412314, 412315, 412316, 412317, 412318, 412319, 412320, 412321, 412322, 412323, 412324, 412325, 412326, 412327, 412328, 412329, 412330, 412331, 412332, 412333, 412334, 412335, 412336, 412337, 412338, 412339, 412340, 412341, 412342, 412343, 412344, 412345, 412346, 412347, 412348, 412349, 412350, 412351, 412352, 412353, 412354, 412355.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 60237.
Neoromicia guineensis (Bocage, 1889):
CM: 113617.
Neoromicia rendalli (Thomas, 1889):
CM: 113623, 113624, 113625. - **ROM:** 60228, 60245.
Pipistrellus hesperidus (Temminck, 1840):
CM: 113631.
Pipistrellus nanulus Thomas, 1904:
CM: 113632, 113633, 113634, 113635, 113636.
Scotoecus albofuscus (Thomas, 1890):
ROM: 60232, 60243.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 55152, 55154, 55155, 55156, 60195, 60196

NE 05000Dd:

Epomophorus gambianus (Ogilby, 1835):
USNM: 411490, 411491, 411492, 411493, 411494, 411495, 411496, 411497, 411498, 411499, 411500

NE 05007Cb:

Epomops franqueti (Tomes, 1860):
BMNH: 1946.282.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 304845.
Neoromicia guineensis (Bocage, 1889):
BMNH: 1953.29.
Neoromicia tenuipinnis (Peters, 1872):
BMNH: 1947.350.
Nycteris hispida (Schreber, 1774):
BMNH: 1953.709, 1953.710, 1953.711, 1953.712.
Nycteris macrotis Dobson, 1876:
BMNH: 1947.346

NE 05008Aa:

Megaloglossus woermanni Pagenstecher, 1885:
USNM: 377110.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 377118.
Nycteris grandis Peters, 1865:
BMNH: 1979.2121.
Scotophilus nux Thomas, 1904:
USNM: 377119, 377120, 377121, 377122, 377123, 377124, 377125, 377126, 377127, 377128, 377129

NE 05008Ab:

Epomops franqueti (Tomes, 1860):
ZMA: MAM.19087.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
BMNH: 1939.318, 1948.718, 1948.719

NE 05008Bc:

Epomops franqueti (Tomes, 1860):
BMNH: 1910.6.1.8.
Hipposideros ruber (Noack, 1893):
USNM: 377116, 377117.
Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1910.6.67.
Nanonycteris veldkampii (Jentink, 1888):
BMNH: 1910.6.1.48.
Nycteris arge Thomas, 1903:
BMNH: 1909.3.4.3

NE 05008Bb:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-2011-640, ZM-2011-641, ZM-2011-642, ZM-2011-643, ZM-2011-644, ZM-2011-645, ZM-2011-646.
Megaloglossus woermanni Pagenstecher, 1885:
MNHN: ZM-2011-661, ZM-2011-662.
Scotonycteris zenkeri Matschie, 1894:
MNHN: ZM-2011-674, ZM-2011-675, ZM-2011-676, ZM-2011-677, ZM-2011-678, ZM-2011-679, ZM-2011-680

NE 05008Db:

Doryrhina cyclops (Temminck, 1853):
ROM: 86931.
Epomops franqueti (Tomes, 1860):
ROM: 86929.
Megaloglossus woermanni Pagenstecher, 1885:
ROM: 86930, 86939, 86940.
Scotonycteris zenkeri Matschie, 1894:
ROM: 86928

NE 05008Dd:

Hipposideros caffer (Sundevall, 1846):
ZMB: 67691, 67761, 67762, 67763

NE 05009Ac:

Glauconycteris beatrix Thomas, 1901:
CM: 108030.
Neoromicia brunnea (Thomas, 1880):
CM: 108028.
Pipistrellus grandidieri (Dobson, 1876):
CM: 108029

NE 05009Ca:

Epomops franqueti (Tomes, 1860):
ROM: 68876, 68881, 68882, 68883, 68898, 68899, 68900, 68906, 68909, 68910, 68911, 68912, 68913, 68914, 68916, 68917, 68918, 68920, 68921.
Glauconycteris beatrix Thomas, 1901:
ROM: 68875.
Hipposideros caffer (Sundevall, 1846):
ROM: 68866, 68867, 68868, 68869, 68870, 68871, 68872, 68873, 68877, 68903, 68904, 68905, 68908, 68922.

Megaloglossus woermanni Pagenstecher, 1885:
ROM: 68915.
Nycteris arge Thomas, 1903:
ROM: 68919.
Nycteris nana (K. Andersen, 1912):
ROM: 68901, 68907.
Pipistrellus grandidieri (Dobson, 1876):
ROM: 68878.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 68880.
Scotophilus nux Thomas, 1904:
ROM: 68879

NE 05009Cb:

Epomops franqueti (Tomes, 1860):
AMNH: 241009. - **TTU:** 17943, 17944, 17945, 17946.
Hipposideros caffer (Sundevall, 1846):
TTU: 17972, 17973, 17974, 17975, 17976, 17977, 17978, 17979, 17980, 17981.
Hipposideros ruber (Noack, 1893):
AMNH: 241101.
Megaloglossus woermanni Pagenstecher, 1885:
AMNH: 241030.
Myonycteris angolensis (Bocage, 1898):
TTU: 17948, 17949.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
AMNH: 240986, 240987.
Nanonycteris veldkampii (Jentink, 1888):
AMNH: 241023.
Nycteris arge Thomas, 1903:
BMNH: 1948.617, 1948.618, 1948.619, 1948.620.
Scotonycteris zenkeri Matschie, 1894:
AMNH: 241018. - **TTU:** 17964

NE 05009Cd:

Eidolon helvum (Kerr, 1792):
ZMB: 54588, 54598, 54601a, 54602, 54693, 54702, 54935, 54939, 67044.
Epomops franqueti (Tomes, 1860):
AMNH: 241014, 241015. - **RMCA:** 73.029-M-0044, 73.029-M-0045, 73.029-M-0091.
Glauconycteris beatrix Thomas, 1901:
BMNH: 1948.713.
Hipposideros beatus (K. Andersen, 1906):
AMNH: 241097.
Hipposideros caffer (Sundevall, 1846):
AMNH: 241098. - **TTU:** 17970, 17971. - **ZMB:** 67688.
Hipposideros fuliginosus (Temminck, 1853):
AMNH: 241043.
Hipposideros ruber (Noack, 1893):
AMNH: 241039, 241040, 241041, 241042, 241099, 241100.
Nanonycteris veldkampii (Jentink, 1888):
BMNH: 1948.605, 1948.606.
Neoromicia tenuipinnis (Peters, 1872):
AMNH: 241049.
Nycteris arge Thomas, 1903:
BMNH: 1948.621, 1948.622, 1948.629.
Nycteris hispida (Schreber, 1774):
BMNH: 1948.637.
Nycteris macrotis Dobson, 1876:
USNM: 414088, 414089, 414090, 414091, 414092, 414093, 414094, 414095, 414096, 414097, 414098, 414099, 414100, 414101, 414102.
Scotophilus nux Thomas, 1904:
AMNH: 241059, 241060, 241061. - **TTU:** 18000, 18001, 18002

NE 05009Bb:

Eidolon helvum helvum (Kerr, 1792):
MNHN: ZM-MO-1979-314, ZM-MO-1979-315, ZM-MO-1979-316, ZM-MO-1979-317, ZM-MO-1979-318, ZM-MO-1979-319, ZM-MO-1979-320.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1979-183, ZM-MO-1979-184, ZM-MO-1979-185.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1979-221.
Myonycteris angolensis angolensis (Bocage, 1898):
MNHN: ZM-MO-1979-323.

Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1983-1030.
Rhinolophus clivosus Cretzschmar, 1828:
MNHN: ZM-MO-1983-1028, ZM-MO-1983-1029

NE 05010Cc:

Eidolon helvum (Kerr, 1792):
ZMB: 66524.
Epomops franqueti (Tomes, 1860):
ROM: 54931.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 240988, 240989, 240990, 240991, 240992, 240993, 240994, 240995, 240996, 240997, 241090, 241091, 241092. -
TTU: 17956, 17957, 17958, 17959, 17960, 17961, 17962, 17963

NE 05010Ab:

Eidolon helvum (Kerr, 1792):
ZMB: 67030

NE 05010Cb:

Chaerephon bemmeleni (Jentink, 1879):
ROM: 55821, 55822, 55823, 55824, 55825, 55826, 55827, 55828, 55829, 55830, 55831, 55832, 55833, 55851, 55852, 55853, 55854, 55855, 55856, 55857, 55858, 55859, 55860, 55861.
Epomops franqueti (Tomes, 1860):
ROM: 55834, 55835, 55850.
Micropteropus pusillus (Peters, 1868):
ROM: 55836, 55837, 55838, 55839, 55840, 55841, 55842, 55843, 55844, 55845, 55846, 55848, 55849, 55862, 55863

NE 05010Da:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1979-195. - **RMCA:** 76.014-M-0011, 76.014-M-0012, 76.014-M-0013, 76.014-M-0014, 76.014-M-0015.
Hipposideros ruber (Noack, 1893):
RMCA: 76.014-M-0078.
Micropteropus pusillus (Peters, 1868):
RMCA: 76.014-M-0029, 76.014-M-0030, 76.014-M-0031, 76.014-M-0032, 76.014-M-0033, 76.014-M-0034, 76.014-M-0035, 76.014-M-0036, 76.014-M-0037, 76.014-M-0038, 76.014-M-0228, 76.014-M-0238.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 76.014-M-0048

NE 05010Db:

Epomophorus gambianus (Ogilby, 1835):
ZMB: 54368, 67095.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1979-193, ZM-MO-1979-194.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1979-242.
Myonycteris torquata (Dobson, 1878):
MNHN: ZM-MO-1979-292

NE 05011Cc:

Rhinolophus hillorum Koopman, 1989:
RMCA: 92.056-M-0002

NE 05011Ad:

Doryrhina cyclops (Temminck, 1853):
RMCA: 77.032-M-0196.
Epomops franqueti (Tomes, 1860):
RMCA: 77.032-M-0156, 77.032-M-0157, 77.032-M-0158.
Hipposideros ruber (Noack, 1893):
RMCA: 77.032-M-0201, 77.032-M-0202.
Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-2011-657, ZM-2011-658.
Myonycteris torquata (Dobson, 1878):
RMCA: 77.032-M-0172, 77.032-M-0173, 77.032-M-0174.
Neoromicia brunnea (Thomas, 1880):
RMCA: 77.032-M-0198.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 77.032-M-0162, 77.032-M-0163

NE 05012Ad:

Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1983-1016

NE 05012Cb:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1979-208, ZM-MO-1979-209, ZM-MO-1979-210.
Hipposideros curtus G.M. Allen, 1921:
ROM: 56102, 56103.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1979-275, ZM-MO-1979-276, ZM-MO-1979-284.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1983-1032, ZM-MO-1983-1033, ZM-MO-1983-1034, ZM-MO-1983-1035.
Nanonycteris veldkampii (Jentink, 1888):
MNHN: ZM-MO-1979-312.
Nycteris nana (K. Andersen, 1912):
ROM: 56101.
Rhinolophus landeri Martin, 1838:
ROM: 56104, 56105

NE 05015Dc:

Epomophorus gambianus (Ogilby, 1835):
ZMB: 31489

NE 05018Ab:

Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1986-374.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1986-373

NE 05019Dd:

Epomophorus Bennett, 1836:
MNHN: ZM-MO-1892-2042.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1892-2043

NE 05020Dc:

Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1984-1648, ZM-MO-1984-1649, ZM-MO-1984-1650, ZM-MO-1984-1651, ZM-MO-1984-1652, ZM-MO-1984-1653, ZM-MO-1984-1654

NE 05027Aa:

Eidolon helvum (Kerr, 1792):
RBINS: 181, 181b, 181c, 181j. - **ZMB:** 10206, 7427, 7428.
Epomophorus labiatus (Temminck, 1837):
RMNH: MAM.27276.
Hypsignathus monstrosus H. Allen, 1862:
RBINS: 184.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMNH: MAM.35983

NE 05030Ad:

Epomophorus labiatus (Temminck, 1837):
MSU: MR.33402, MR.33403, MR.33404, MR.33419.
Micropteropus pusillus (Peters, 1868):
MSU: MR.33412, MR.33413

NE 05030Cb:

Neoromicia nana (Peters, 1852):
ZMUC: 2754, 2755, 2756.
Pipistrellus rueppellii fuscipes Thomas, 1913:
FMNH: 78221, 78222, 78223

NE 05031Ba:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 54331, 67855, 67866

NE 05031Bb:

Chaerephon bemmeleni (Jentink, 1879):
BMNH: 1902.7.4.4.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 48767, 48768, 67332. - **USNM:** 166671, 166672, 166673, 166674, 166675, 166676, 166677, 166678, 297474.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 77210. - **USNM:** 297480.
Mops (Mops) condylurus (A. Smith, 1833):
BMNH: 1920.6.13.1.
Nycteris hispida (Schreber, 1774):
BMNH: 1902.7.4.1, 1921.7.7.2, 1921.7.7.3. - **NMW:** 8518, 8519, 8520. - **ROM:** 77216, 77218. - **ZMUC:** 3155, 3156, 3157, 3158, 3159.
Pipistrellus rueppellii (Fischer, 1829):
HZM: 4.3699.
Tadarida Rafinesque, 1814:
AMNH: 82261.
Taphozous hamiltoni Thomas, 1920:
BMNH: 1919.12.18.1

NE 05031Bd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 82262, 82263. - **USNM:** 252722

NE 05031Dd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 252720, 252721

NE 05032Ab:

Chaerephon major (Trouessart, 1897):
FMNH: 67333.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 67334, 67335, 68122.
Eidolon helvum (Kerr, 1792):
FMNH: 66533, 66534, 66535, 66536, 66537, 66538, 66539, 66540, 66541, 66542, 66543, 66544, 66545. - **USNM:** 368861, 368862, 368863, 368864, 368865, 368866.
Nycteris hispida (Schreber, 1774):
ZMUC: 3152, 3153, 3154, 3184, 3185, 3190, 3191.
Nycteris macrotis Dobson, 1876:
FMNH: 79590.
Taphozous hamiltoni Thomas, 1920:
FMNH: 67170, 67310, 68104, 68105, 79600.
Taphozous nudiventris Cretzschmar, 1830:
FMNH: 67168, 67169, 79565, 79566, 79567.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 67309

NE 05033Dd:

Nycteris macrotis Dobson, 1876:
SMNS: 29338

NE 05034Ba:

Cardioderma cor (Peters, 1872):
FMNH: 68048, 68049, 68050, 68051, 68052, 68053, 68054, 68055.
Hipposideros tephrus (Cabrera, 1906):
FMNH: 78209.
Neoromicia capensis (A. Smith, 1829):
FMNH: 78227, 78228.
Platymops setiger setiger (Peters, 1878):
FMNH: 78748

NE 05035Ba:

Platymops setiger macmillani Thomas, 1906:
BMNH: 1957.258, 1967.1232.

Rhinopoma cystops Thomas, 1903:
HZM: 3.1826

NE 05035Dd:

Platymops setiger macmillani Thomas, 1906:
BMNH: 1972.4470

NE 05036Bc:

Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
FMNH: 105410, 105411, 105412.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 105422, 105423.
Triaenops afer Peters, 1877:
FMNH: 105415, 105416, 105417, 105418, 105419

NE 05037Aa:

Epomophorus minimus Claessen & De Vree, 1991:
BMNH: 1971.2418.
Nycteris parisii (de Beaux, 1924):
BMNH: 1976.300

NE 05037Cb:

Nycteris aurita (K. Andersen, 1912):
SMF: 45115

NE 05037Bc:

Neoromicia somalica (Thomas, 1901):
NMP: pb5655

NE 05037Dc:

Cardioderma cor (Peters, 1872):
HZM: 58.24687.
Coleura afra (Peters, 1852):
SMF: 47866.
Neoromicia somalica (Thomas, 1901):
SMF: 47867.
Neoromicia zuluensis (Roberts, 1924):
SMF: 47868

NE 05037Dd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1967.1132, 1967.1134

NE 05038Aa:

Scotophilus dinganii (A. Smith, 1833):
BMNH: 1971.2456

NE 05039Bc:

Rhinolophus landeri Martin, 1838:
MNHN: ZM-MO-1972-488, ZM-MO-1973-488

NE 05039Dc:

Neoromicia somalica (Thomas, 1901):
BMNH: 1976.814

NE 05039Dd:

Epomophorus minimus Claessen & De Vree, 1991:
BMNH: 1976.794, 1976.799

NE 05040Ac:

Cardioderma cor (Peters, 1872):
USNM: 462740.

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 462743

NE 05041Ba:

Nycteris hispida (Schreber, 1774):
ZFMK: 200

NW 04008Cc:

Nycteris hispida (Schreber, 1774):
BMNH: 1912.5.9.1

NW 04007Bc:

Epomops buettikoferi (Matschie, 1899):
USNM: 38189.
Epomops franqueti (Tomes, 1860):
USNM: 5215

NW 04002Cc:

Epomops franqueti (Tomes, 1860):
USNM: 411599, 411600.
Hipposideros tephrus (Cabrera, 1906):
USNM: 412017.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 55148.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 411826, 411827, 411828, 411829, 411830, 411831, 411832, 411833, 411834, 411835.
Myonycteris leptodon K. Andersen, 1908:
USNM: 411836.
Nycteris macrotis Dobson, 1876:
ROM: 55141, 55142, 55143, 55144, 55145, 55146, 55147. - **USNM:** 411865, 411866, 411867, 411868, 411869, 411870, 411871, 411872, 411873, 411874.
Pipistrellus nanulus Thomas, 1904:
USNM: 412139.
Rhinolophus landeri Martin, 1838:
USNM: 412006, 412008, 412009, 412010, 412011, 412012, 412013, 412014, 412015.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
USNM: 411238.
Scotonycteris occidentalis Hayman, 1947:
USNM: 411620, 411621, 411622, 411623

NW 04001Dc:

Hipposideros ruber (Noack, 1893):
AMNH: 120373

NW 04001Dd:

Doryrhina cyclops (Temminck, 1853):
USNM: 414216, 414217, 414218, 414219, 414220, 414221, 414222, 414223, 414224, 414225, 414226, 414227.
Epomops buettikoferi (Matschie, 1899):
BMNH: 1966.6215, 1966.6216, 1966.6217. - **USNM:** 413911, 413914, 413917, 413922, 413923, 413927, 413932, 413933, 413934, 413949, 413950, 413960, 413965, 413967, 414000, 414001.
Epomops franqueti (Tomes, 1860):
USNM: 399144, 413909, 413910, 413912, 413913, 413915, 413916, 413918, 413919, 413920, 413921, 413924, 413925, 413926, 413928, 413929, 413930, 413931, 413935, 413936, 413937, 413938, 413939, 413940, 413941, 413942, 413943, 413944, 413945, 413946, 413947, 413948, 413951, 413952, 413953, 413954, 413955, 413956, 413957, 413958, 413959, 413961, 413962, 413963, 413964, 413966, 413968, 413969, 413970, 413971, 413972, 413973, 413974, 413975, 413976, 413977, 413978, 413979, 413980, 413981, 413982, 413983, 413984, 413985, 413986, 413987, 413988, 413989, 413990, 413991, 413992, 413993, 413994, 413995, 413996, 413997, 413998, 413999, 414002, 576102, 576103.
Glauconycteris poensis (Gray, 1842):
USNM: 414246, 414247, 414248.
Hipposideros abae J.A. Allen, 1917:
USNM: 414239.
Hipposideros fuliginosus (Temminck, 1853):
USNM: 414232, 414233, 414234, 414235, 414236, 414237.
Hipposideros tephrus (Cabrera, 1906):
USNM: 414187, 414188, 414189, 414190, 414191, 414192, 414193, 414194, 414195, 414196, 414197, 414198, 414199, 414200, 414201, 414202, 414203, 414204, 414205, 414206, 414207, 414208, 414209, 414210, 414211, 414212, 414213, 414214, 414215.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 414013, 414014, 414015, 414016.

Macronycteris gigas (Wagner, 1845):
USNM: 414231.
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012:
USNM: 414075, 414076, 424840, 424841.
Nanonycteris veldkampii (Jentink, 1888):
BMNH: 1966.6199, 1966.6200, 1966.6201, 1966.6202.
Nycteris grandis Peters, 1865:
USNM: 414164.
Nycteris nana (K. Andersen, 1912):
USNM: 414162.
Pipistrellus nanulus Thomas, 1904:
USNM: 414241.
Rhinolophus alcyone Temminck, 1853:
RMNH: MAM.35892.
Saccolaimus peli (Temminck, 1853):
USNM: 424842.
Scotonycteris occidentalis Hayman, 1947:
USNM: 414022.
Scotophilus nux Thomas, 1904:
USNM: 414243, 414244

NE 04006Db:

Eidolon helvum (Kerr, 1792):
BMNH: 1870.3.29.15.
Epomops franqueti (Tomes, 1860):
BMNH: 1880.7.21.1, 1880.7.21.3. - **ZMA:** MAM.19031.
Kerivoula smithii Thomas, 1880:
BMNH: 1880.7.21.9.
Nanonycteris veldkampii (Jentink, 1888):
ZMA: MAM.18608, MAM.18609

NE 04008Cd:

Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1862.1.23.1[b].
Myopterus whitleyi (Scharff, 1900):
ROM: 79177.
Neoromicia brunnea (Thomas, 1880):
BMNH: 1880.7.21.7.
Nycteris grandis Peters, 1865:
BMNH: 1880.7.21.5.
Nycteris hispida (Schreber, 1774):
BMNH: 1864.2.20.2. - **NMV:** 46985

NE 04008Dc:

Glauconycteris argentata (Dobson, 1875):
ZMB: 6946a.
Hipposideros caffer (Sundevall, 1846):
ZMB: 6944, 6946b.
Megaloglossus woermanni Pagenstecher, 1885:
ZMA: MAM.18603, MAM.18604, MAM.18605

NE 04008Bb:

Glauconycteris egeria Thomas, 1913:
BMNH: 1912.12.13.3.
Hypsignathus monstrosus H. Allen, 1862:
ZMH: 39203, 39265, 39529.
Nycteris hispida (Schreber, 1774):
ZMH: 4

NE 04008Dd:

Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ROM: 51028, 51029, 51030, 51031, 51032, 51033, 51034.
Myopterus whitleyi (Scharff, 1900):
ROM: 51035

NE 04009Aa:

CHIROPTERA Blumenbach, 1779:
ZMB: 39791.

Doryrhina cyclops (Temminck, 1853):
ROM: 68953, 69041, 69088. - **ZMB:** 54912, 54913, 54914, 54915, 93802, 93803, 93804.
Eidolon helvum (Kerr, 1792):
BMNH: 1936.10.30.1, 1936.10.30.2. - **FMNH:** 106556, 106557, 106558. - **ZMB:** 10203, 10204, 54523, 54524, 54597, 54657, 54675, 54692, 54940, 67136, 67140, 67141, 92839. - **ZMH:** 40001.
Eidolon helvum helvum (Kerr, 1792):
ROM: 39043, 39044, 39050, 43328, 43335, 43349, 43350, 43351, 43352, 46738, 46739, 46740, 46741, 46742, 46743, 46744, 46745, 46746, 46747, 46748, 46749, 46750, 46751, 46752, 46753, 46754, 46833, 50865, 50872, 50873, 51038, 55549.
Epomops franqueti (Tomes, 1860):
BRTC: 28508, 28509. - **FMNH:** 106560, 106561, 106562. - **MNHN:** ZM-MO-1979-198, ZM-MO-1979-198BIS. - **ROM:** 43329, 43331, 43332, 43333, 43334, 43337, 43339, 43340, 43340-a, 43341, 43342, 43343, 43346, 43347, 43353, 43354, 43355, 43359, 43360, 43361, 43363, 43364, 46770, 46771, 46772, 46773, 46774, 46775, 46776, 46777, 46778, 50889, 50890, 50891, 50892, 50893, 50894, 50895, 55546, 55547, 55551, 55566, 55567, 55568, 55569, 55570, 55586, 55587, 55588, 56908, 56912, 56913, 56914, 56915, 56916, 56924, 56980, 56981, 56982, 56983, 56991, 56994, 56997, 57002, 57004, 57005, 58300, 58301, 58312, 58313, 58339, 68923, 68926, 68933, 68934, 68987, 68992, 69002, 69004, 69005, 69006, 69025, 69026, 69065. - **USNM:** 318301. - **ZMB:** 40, 53871, 53872, 67052, 9040.
Glauconycteris alboguttata J.A. Allen, 1917:
ROM: 68948.
Glauconycteris argentata (Dobson, 1875):
BMNH: 1871.7.10.5.
Glauconycteris egeria Thomas, 1913:
ROM: 69080, 69081.
Glauconycteris poensis (Gray, 1842):
ROM: 68929. - **SMF:** 28245, 28246, 28247.
Hipposideros caffer (Sundevall, 1846):
ROM: 43366, 46808, 46809, 46810, 46811, 46812, 46813, 46814, 46815, 46816, 46817, 46818, 46819, 50911, 50912, 50913, 50914, 50915, 50916, 50917, 50918, 50919, 50920, 50921, 50938, 50939, 50940, 50941, 50942, 50943, 50944, 50945, 50946, 50947, 50948, 51021, 51022, 51023, 51024, 56904, 68928, 68937, 68946, 68947, 68951, 68956, 68958, 68968, 68969, 68970, 68971, 68972, 68973, 68974, 68975, 68976, 68977, 68978, 68979, 68980, 68981, 68982, 68983, 68984, 68985, 68986, 69017, 69018, 69019, 69020, 69021, 69022, 69023, 69033, 69034, 69035, 69036, 69037, 69042, 69048, 69049. - **ZMB:** 67679, 67680, 67681, 67682, 67683, 67684, 67728, 67729, 67730, 93814, 93820.
Hipposideros camerunensis Eisentraut, 1956:
SMNS: 5194, 5195, 5197. - **ZFMK:** 1979.0138.
Hipposideros ruber (Noack, 1893):
FMNH: 42600, 42601, 42602, 42603, 42604, 42605, 42606, 42607, 42608, 42609. - **USNM:** 260156.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 56909, 69024, 69054, 69055, 69067. - **ZMB:** 54204, 54205, 54206, 54207, 54600, 54601, 54601b, 54604, 54696, 54698, 67120, 67121, 67123, 67125, 67126, 67132, 67135, 67150. - **ZMH:** 40000.
Hypsugo eisentrauti (Hill, 1968):
BMNH: 1967.2129, 1984.1684.
Macronycteris gigas (Wagner, 1845):
ROM: 68988.
Macronycteris vittatus (Peters, 1852):
RMCA: 95.003-M-0007. - **ROM:** 55544, 55581, 55582, 57016, 58363.
Megaloglossus woermanni Pagenstecher, 1885:
MNHN: ZM-MO-1979-177. - **ROM:** 55550, 55552, 55553, 55556, 55557, 55558, 55559, 55565, 55571, 55572, 55573, 55575, 55576, 55577, 55580, 55592, 55593, 55594, 55595, 55596, 55597, 56907, 56911, 56918, 56919, 56920, 56921, 56925, 56926, 56927, 56928, 56929, 56940, 56979, 56984, 56985, 56986, 56987, 56988, 56989, 56990, 56992, 56998, 56999, 57006, 57007, 57008, 57009, 57013, 57014, 57015, 57021, 57023, 57024, 58298, 58299, 58303, 58322, 58323, 58324, 58325, 58326, 58328, 58329, 58330, 58331, 58332, 58333, 58335, 58342, 68930, 68931, 68932, 68955, 68959, 68960, 68999, 69000. - **USNM:** 318302, 318303.
Micropteropus pusillus (Peters, 1868):
ROM: 43330, 43338, 46807, 55548, 55554, 55562, 55563, 55564, 55574, 55578, 55579, 55589, 55590, 56906, 56910, 56917, 56977, 56978, 56993, 57000, 57001, 57020, 57025, 57028, 57029, 58302, 58304, 58305, 58306, 58307, 58308, 58314, 58315, 58316, 58317, 58318, 58319, 58320, 58327, 58336, 58337, 58338, 58343, 58344, 58345, 58346, 58347, 58348, 58349, 58350, 58351, 58352, 58353, 58354, 58355, 58356, 58357, 58359, 58360, 58361, 58362, 68927, 68996. - **SMF:** 68237, 68238, 68239, 68240, 68241, 68242, 68243, 68244, 68245, 68246, 68247.
Miniopterus fraterculus Thomas and Schwann, 1906:
ROM: 46792, 46793, 46794, 46795, 46796, 46797, 46798, 46838, 50896, 50897, 50898, 50899, 50900, 50901, 50902, 50903, 50904, 50905, 69008, 69012, 69013, 69014, 69016, 69029, 69030, 69063, 69084, 69086.
Miniopterus inflatus Thomas, 1903:
ROM: 68939, 68940, 68941, 68942, 68943, 68944, 68949, 68952, 68961, 68962, 69007, 69009, 69010, 69011, 69015, 69027, 69028, 69031, 69050, 69051, 69052, 69053, 69061, 69062, 69069, 69070, 69071, 69072, 69073, 69074, 69075, 69076, 69077, 69078, 69079, 69085, 69087, 69095.
Miniopterus natalensis (A. Smith, 1833):
BMNH: 1919.7.7.2417, 1968.647. - **FMNH:** 42587, 42588, 42589, 42590, 42591, 42592, 42593, 42594, 42595.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ROM: 39053, 39054, 39055, 39056.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1983-1086. - **RMCA:** 95.003-M-0052, 95.003-M-0053, 95.003-M-0054. - **ROM:** 46757, 46758, 46759, 46760, 46761, 46762, 46763, 46764, 46765, 46766, 46767, 46768, 46769, 50874, 50875, 50876, 50877, 50878, 50879, 50880, 50881, 50882, 50883, 50884, 50885, 50886, 50887, 50888, 50906, 51017, 51018, 51019, 51020, 55545, 56902, 56905, 56922, 56939, 56941, 56942, 56943, 57003, 68965, 69003, 69064, 69082, 69083. - **ZMB:** 54982.

Myonycteris angolensis angolensis (Bocage, 1898):
BMNH: 1968.873, 1968.874, 1968.875, 1968.876, 1968.877, 1968.878, 1968.879. - **MNHN:** ZM-MO-1979-324, ZM-MO-1979-325, ZM-MO-1979-326, ZM-MO-1979-327, ZM-MO-1979-328, ZM-MO-1979-329, ZM-MO-1979-330, ZM-MO-1979-331, ZM-MO-1979-332, ZM-MO-1979-333.
Myonycteris torquata (Dobson, 1878):
RMCA: 95.003-M-0008.
Myonycteris torquata torquata (Dobson, 1878):
ROM: 43356, 56995, 69001.
Nanonycteris veldkampii (Jentink, 1888):
BMNH: 1967.1728. - **ROM:** 50960, 50961, 58334, 58358.
Neoromicia brunnea (Thomas, 1880):
ROM: 68950, 69045, 69046, 69047.
Neoromicia nana (Peters, 1852):
ROM: 58321, 68938, 68993, 68994, 68995, 69032, 69060, 69066. - **ZFMK:** 1961.0672, 1961.0673, 1963.0189. - **ZMB:** T09444.
Neoromicia tenuipinnis (Peters, 1872):
BMNH: 1967.1734. - **ROM:** 43384, 69043, 69044, 69057, 69058, 69059. - **ZMB:** 93806, 93807.
Nycteris arge Thomas, 1903:
BMNH: 1967.1731. - **SMNS:** 3449, 5588, 5589.
Nycteris grandis Peters, 1865:
ROM: 69068.
Nycteris hispida (Schreber, 1774):
BMNH: 1936.10.30.6, 1967.1729. - **ROM:** 43365, 50959, 51025, 54906.
Nycteris macrotis Dobson, 1876:
ZMB: T09377.
Nycteris major (K. Andersen, 1912):
SMNS: 3450, 5590. - **ZMB:** 93805.
Rhinolophus alcyone Temminck, 1853:
ROM: 46799, 46800, 46801, 46802, 46803, 46804, 46805, 46806, 50907, 50908, 50909, 50910, 55555, 55591, 56996, 57017, 68957, 68997, 68998, 69038, 69039, 69040.
Rhinolophus landeri Martin, 1838:
MNHN: ZM-MO-1985-832, ZM-MO-1985-833, ZM-MO-1985-834. - **ROM:** 46820, 46821, 46822, 46823, 46824, 46825, 50922, 50923, 50924, 50925, 68945, 68963. - **ZMB:** 93808, 93809, 93810, 93811, 93812.
Rhinolophus simulator K. Andersen, 1904:
FMNH: 42596, 42597, 42598, 42599. - **ROM:** 46826, 46827, 46828, 46829, 46830, 46831, 46832, 50926, 50927, 50928, 50929, 50930, 50931, 50932, 50933, 50934, 50935, 50936, 50937, 56900, 56901, 56903, 56944, 56945, 56946, 56947, 56948, 56949, 56950, 56951, 56952, 56953, 56954, 56955, 56956, 56957, 56958, 56959, 56960, 56961, 56962, 56963, 56964, 56965, 56966, 56967, 56968, 56969, 56970, 56971, 56972, 56973, 56974, 56975, 56976.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 106559, 42584, 42585, 42586. - **ROM:** 43327, 43348, 55560, 55561, 55583, 55584, 55585, 56923, 57010, 57011, 57012, 57018, 57019, 57022, 57026, 57027, 57030, 58309, 58310, 58311, 58340, 58341, 68924, 68925, 68935, 68936, 68964, 69056. - **SMF:** 28287. - **ZMB:** 54700.
Scotonycteris zenkeri Matschie, 1894:
ROM: 54905

NE 04009Ac:

Mimetillus moloneyi (Thomas, 1891):
ROM: 69130.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ROM: 43368, 43369, 43370, 43371, 43372, 43373, 43374, 43375, 43376, 46779, 46780, 46781, 46782, 46783, 46784, 46785, 46786, 46787, 46788, 46789, 46790, 46791.
Neoromicia brunnea (Thomas, 1880):
ROM: 69132, 69133, 69134.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 46857, 46858, 51036, 69136.
Nycteris hispida (Schreber, 1774):
ZFMK: 1963.0194.
Scotonycteris zenkeri Matschie, 1894:
ROM: 69140, 69141

NE 04009Ca:

Nycteris hispida (Schreber, 1774):
BMNH: 1966.3556

NE 04009Cc:

Hipposideros caffer (Sundevall, 1846):
ROM: 68705, 68706, 68707, 68708, 68709, 68710, 68711, 68712, 68713, 68714, 68715, 68716, 68717, 68718, 68719, 68720, 68721, 68722, 68723, 68724, 68725, 68726, 68727, 68728, 68729, 68730, 68731, 68732, 68733, 68734, 68735, 68736, 68737, 68738, 68739, 68740, 68741, 68742, 68743, 68744, 68745, 68746, 68747, 68748, 68749, 68750, 68751, 68752, 68753, 68754, 68755, 68756, 68757, 68758, 68759, 68760, 68761.
Hypsugo eisentrauti (Hill, 1968):
ZFMK: 1950.0498

NE 04009Ab:

Epomops franqueti (Tomes, 1860):
ROM: 39066, 39067, 39068, 39069, 56930, 58376.
Hipposideros beatus (K. Andersen, 1906):
ROM: 43357, 43358, 43381, 43382.
Hipposideros caffer (Sundevall, 1846):
ROM: 43380, 68989.
Macronycteris gigas (Wagner, 1845):
ROM: 68991.
Megaloglossus woermanni Pagenstecher, 1885:
ROM: 56931, 56932, 56933, 56935, 56936, 56937, 68990.
Micropteropus pusillus (Peters, 1868):
ROM: 56934, 56938.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 50949, 50950, 50951, 50952, 50953, 50954, 50955, 50956, 50957, 50958.
Myopterus whitleyi (Scharff, 1900):
ROM: 46837.
Neoromicia nana (Peters, 1852):
FMNH: 106563.
Nycteris hispida (Schreber, 1774):
ROM: 43379.
Rhinolophus alcyone Temminck, 1853:
ROM: 58375, 58377.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 46755, 46756, 46839

NE 04009Ad:

Doryrhina cyclops (Temminck, 1853):
ROM: 55636, 55637, 55638, 58291, 58368, 58369, 58370, 58371. - **YPM:** MAM 014580.
Eidolon helvum helvum (Kerr, 1792):
ROM: 39057, 39058, 39059.
Epomops franqueti (Tomes, 1860):
ROM: 39060, 46859, 54913, 54914, 54915, 58281, 58282, 58284, 58286, 58287, 58288, 58289, 58290, 58372, 69090.
Glauconycteris egeria Thomas, 1913:
ROM: 69092.
Hipposideros caffer (Sundevall, 1846):
ROM: 51026, 51027, 69093.
Macronycteris gigas (Wagner, 1845):
ROM: 69091.
Megaloglossus woermanni Pagenstecher, 1885:
ROM: 58364, 58365.
Micropteropus pusillus (Peters, 1868):
ROM: 46836, 46861, 46862, 46863, 69089.
Myopterus whitleyi (Scharff, 1900):
BMNH: 1967.1735.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 58283.
Neoromicia helios (Heller, 1912):
ROM: 54908, 54909, 54910, 54911, 54912.
Neoromicia nana (Peters, 1852):
FMNH: 106564, 106565, 106566, 106567, 106568. - **ROM:** 46835, 46841, 54907, 58297.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 43377, 43378, 58280, 69094.
Nycteris arge Thomas, 1903:
ROM: 58366, 58367, 68885, 68886, 68887, 68888, 68889, 68890, 68891, 68892, 68893, 68894, 68895, 68896. - **SMNS:** 6569. - **ZFMK:** 1961.0648, 1961.0649, 1973.0193.
Nycteris grandis Peters, 1865:
ROM: 68884.
Nycteris hispida (Schreber, 1774):
ROM: 39051.
Rhinolophus alcyone Temminck, 1853:
ROM: 58292, 58293, 58294, 58295, 58296.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 39061, 39062, 39063, 39064, 39065, 58285

NE 04009Cb:

Doryrhina cyclops (Temminck, 1853):
ROM: 55650.
Eidolon helvum (Kerr, 1792):
USNM: 511909.
Eidolon helvum helvum (Kerr, 1792):

ROM: 55534, 55535, 55540.
Epomops franqueti (Tomes, 1860):
ROM: 37773, 37852, 37855, 51484, 51503, 51504, 51505, 51506, 51507, 51508, 51509, 51513, 51522, 51523, 51524, 51525, 51526, 51530, 51531, 51532, 51534, 51535, 51536, 51537, 51538, 51543, 51544, 51549, 51550, 51551, 51552, 51555, 51556, 51557, 51561, 51562, 51563, 51564, 51565, 51566, 51567, 51570, 51588, 51590, 51594, 51595, 51598, 51599, 51600, 51601, 51602, 51603, 51604, 51606, 51612, 51613, 51614, 51615, 51617, 51759, 51760, 51762, 51931, 55524, 55525, 55530, 55531, 55536, 55539, 55541, 55542, 55543, 55743, 55744, 55761, 55779. - **USNM:** 511902, 511903, 511904, 511905, 511940, 511941. - **ZMB:** 54425.
Glauconycteris alboguttata J.A. Allen, 1917:
ROM: 55739.
Glauconycteris argentata (Dobson, 1875):
ROM: 55648.
Glauconycteris beatrix Thomas, 1901:
USNM: 511928, 511929.
Glauconycteris curryae Eger and Schlitter, 2001:
ROM: 55647.
Hipposideros caffer (Sundevall, 1846):
ROM: 37759, 37760, 37769, 37770, 37771, 37780, 37781, 37782, 37783, 37784, 37785, 37786, 37787, 37788, 37789, 37790, 37791, 37792, 37795, 37796, 37797, 37798, 37799, 37800, 37801, 37802, 37803, 37804, 37805, 37809, 37811, 37813, 37814, 37830, 37831, 37832, 37833, 37835, 37836, 37838, 37842, 37843, 37844, 51486, 51487, 51488, 51489, 51490, 51491, 51492, 51493, 51494, 51495, 51496, 51497, 51498, 51499, 51500, 51501, 51502, 55654, 55660, 55661, 55665, 55666, 55667, 55668, 55669, 55670, 55671, 55672, 55673, 55674, 55675, 55676, 55677, 55678, 55679, 55680, 55681, 55682, 55683, 55684, 55685, 55686, 55687, 55688, 55690, 55708, 55712, 55713, 55714, 55715, 55716, 55717, 55719, 55720, 55721, 55722, 55723, 55724, 55725, 55726, 55727, 55728, 55729, 55745, 55804.
Hipposideros curtus G.M. Allen, 1921:
ROM: 37806, 37807, 37808, 37810, 37812, 37815, 37816, 37817, 37818, 37819, 37820, 37821, 37834, 37837, 37839, 37840, 37841, 55763. - **USNM:** 511924.
Hipposideros fuliginosus (Temminck, 1853):
USNM: 511926.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-2006-473, ZM-2006-474, ZM-2006-475. - **USNM:** 511920, 511921, 511922.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 51533, 51542, 51582, 51583, 51587, 51593, 51761.
Macronycteris gigas (Wagner, 1845):
USNM: 511923, 511950.
Macronycteris vittatus (Peters, 1852):
ROM: 54181, 55529.
Megaloglossus woermanni Pagenstecher, 1885:
ROM: 37828, 37829, 37848, 51517, 51518, 51554, 51569, 51577, 51578, 51579, 51580, 51581, 51592, 51618, 55537, 55738.
Mimetillus moloneyi (Thomas, 1891):
ROM: 55758, 55798, 55799.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ROM: 51485.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ROM: 55809.
Mops (Xiphonycteris) petersoni (El Rayah, 1981):
ROM: 55740, 55746, 55747, 55748, 55749, 55752, 55753, 55754, 55755, 55756, 55812, 55813, 55814, 55815, 55816, 55817, 55818, 55819.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
ROM: 55751, 55757, 55805, 55806, 55807, 55808, 55810, 55811.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 55750.
Myonycteris angolensis (Bocage, 1898):
ROM: 37761, 37763, 37764, 37765, 37766, 37767, 37768, 37774, 37775, 37777, 37778, 37779, 37823, 37825, 37846, 37847, 54310, 54311, 54312, 55522, 55523, 55526, 55527, 55532, 55533, 55649, 55655, 55731.
Myonycteris torquata torquata (Dobson, 1878):
ROM: 51510, 51511, 51527, 51607, 51616, 55662, 55781.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 55645, 55658, 55759, 55802, 55803.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 37822, 37827, 37849, 37850, 37851, 37853, 37854, 51483, 51512, 51514, 51515, 51516, 51519, 51520, 51521, 51528, 51529, 51539, 51540, 51541, 51545, 51546, 51547, 51548, 51558, 51559, 51571, 51572, 51573, 51574, 51575, 51576, 51584, 51585, 51586, 51591, 51596, 51597, 51605, 51608, 51609, 51610, 51763, 55538. - **USNM:** 511908, 511945.
Neoromicia nana (Peters, 1852):
ROM: 55528.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 43383, 55800, 55801.
Nycteris arge Thomas, 1903:
ROM: 55639, 55640. - **USNM:** 511912.
Nycteris grandis Peters, 1865:
ROM: 51611.
Nycteris macrotis Dobson, 1876:
ROM: 55641.
Rhinolophus alcyone Temminck, 1853:
USNM: 511918, 511919.
Rousettinae Andersen, 1912:

YPM: MAM 014558, MAM 014559, MAM 014560, MAM 014561.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 37793, 37794, 37826, 37845, 51560, 55521, 55659, 55663, 55693, 55694, 55695, 55696, 55697, 55698, 55699, 55700, 55701, 55702, 55703, 55704, 55705, 55706, 55707, 55730, 55732, 55733, 55734, 55735, 55736, 55737. - **USNM:** 318299, 318300.
Scotonycteris zenkeri Matschie, 1894:
ROM: 37772, 51553, 51568.
Scotophilus nux Thomas, 1904:
ROM: 55646, 55760.
Vespertilioninae Gray, 1821:
YPM: MAM 014641

NE 04009Cd:

Hipposideros Gray, 1831:
YPM: MAM 014579

NE 04009Ba:

Eidolon helvum (Kerr, 1792):
SMF: 5383.
Epomops franqueti (Tomes, 1860):
ROM: 37856, 37857, 37858, 37859, 37860, 37861, 37863, 37864, 37865, 37866, 37867, 37869, 37870, 39384, 39385, 39386. - **ZMB:** 5001.
Hipposideros caffer (Sundevall, 1846):
ZMB: 5005, 8390.
Hipposideros fuliginosus (Temminck, 1853):
ZMB: 5033, 8389.
Hypsugo eisentrauti (Hill, 1968):
ZFMK: 1968.0005.
Megaloglossus woermanni Pagenstecher, 1885:
ROM: 37862.
Neoromicia nana (Peters, 1852):
ZFMK: 1969.0490.
Neoromicia tenuipinnis (Peters, 1872):
SMNS: 2362b

NE 04009Bc:

Nycteris nana (K. Andersen, 1912):
ROM: 68902.
Rhinolophus alcyone Temminck, 1853:
ROM: 68874.
Scotonycteris zenkeri Matschie, 1894:
ROM: 68897

NE 04009Da:

Epomops franqueti (Tomes, 1860):
ROM: 39070.
Hipposideros caffer (Sundevall, 1846):
BRTC: 28512, 28513. - **ROM:** 39112, 39113, 39114, 39115, 39116, 39117, 39118, 39119, 39120, 39121, 39122, 39123, 39124, 39125, 39126, 39127, 39128, 39129, 39130, 39131, 39132, 39133, 39134, 39135, 39136, 39137, 39138, 39139, 39140, 39141, 39142, 39143, 39144, 39145, 39146, 39147, 39148, 39149, 39150, 39151, 39152, 39153, 39154, 39155, 39156, 39157, 39158, 39159, 39160, 39161, 39162, 39163, 39164, 39165, 39166, 39167, 39168, 39169, 39170, 39171, 39172, 39173, 39174, 39175, 39176, 39177, 39178, 39179, 39180, 39181, 39182, 39183, 39184, 39185, 39186, 39187, 39188, 39189, 39190, 39191, 39192, 39193, 39194, 39195, 39196, 39197, 39198, 39199, 39200, 39201, 39202, 39203, 39204, 39205, 39206, 39207, 39208, 39209. - **ZMB:** 67672, 67673, 67674, 67675, 67676, 67677, 67678, 93813, 93815, 93816, 93817, 93818, 93819.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 39211, 39212, 39213, 39214, 39215, 39216, 39217.
Nycteris hispida (Schreber, 1774):
ROM: 39071

NE 04009Dc:

Eidolon helvum helvum (Kerr, 1792):
ROM: 43344, 43345.
Epomops franqueti (Tomes, 1860):
ROM: 39073, 43336.
Hipposideros caffer (Sundevall, 1846):
ROM: 39048, 39049, 46855.
Hypsugo eisentrauti (Hill, 1968):
ZFMK: 1950.0198, 1968.0006.
Megaloglossus woermanni Pagenstecher, 1885:

ROM: 30237, 39236, 39238, 39239, 39240, 39241, 39242, 39243, 39244, 39245, 39246, 39247, 39248, 39249, 39250, 39266, 39267, 39268, 39269, 39270, 39271, 39272, 39273, 39274, 39275, 39276, 39277, 39278, 39279, 39280, 39281, 39282, 39283, 39284, 39285, 39286, 39287, 39288, 39289, 39290, 43428, 43429, 43430, 43442, 43443, 43444, 43445, 43446, 43447, 43448, 43449, 43450, 43451, 43452, 43453, 43454, 43455, 43456, 43457, 43458, 43459, 43460, 43461, 43462, 43463, 43464, 43465, 43466.
Micropteropus pusillus (Peters, 1868):
ROM: 39210, 39230, 39232, 39233, 39234, 39235, 43340-b, 43397, 43398, 43399, 43400, 43401, 43402, 43431, 43432, 43433, 43434, 43435, 43436, 43437, 43438, 43439, 46864, 46865, 46866.
Myonycteris angolensis (Bocage, 1898):
ROM: 39251, 43385, 43390, 43391, 43392, 43393, 43394, 43395, 43396.
Myonycteris angolensis angolensis (Bocage, 1898):
ZMB: 93796.
Nanonycteris veldkampii (Jentink, 1888):
ROM: 39218, 39219, 39220, 39221, 39222, 39223, 39224, 39225, 39226, 39227, 39228, 39229, 39231, 39252, 39253, 39254, 39255, 39256, 39257, 39258, 39259, 39260, 39261, 39262, 39263, 39264, 39265, 43403, 43404, 43405, 43406, 43407, 43408, 43409, 43410, 43411, 43412, 43413, 43414, 43415, 43416, 43417, 43418, 43419, 43420, 43421, 43422, 43423, 43424, 43425, 43426, 43441.
Nycteris hispida (Schreber, 1774):
ZFMK: 1969.0486.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 39045, 39046, 43386, 43387, 43388, 43389, 51037, 95203.
Scotonycteris zenkeri Matschie, 1894:
BMNH: 1966.3516

NE 04009Bd:

Epomops franqueti (Tomes, 1860):
RMCA: 73.029-M-0090.
Macronycteris vittatus (Peters, 1852):
RMCA: 73.029-M-0095.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.029-M-0093.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.029-M-0094

NE 04009Dd:

Hipposideros caffer (Sundevall, 1846):
ROM: 50963, 50964, 50965, 50966, 50967, 50968, 50969, 50970, 50971, 50972, 50973, 50974, 50975, 50976, 50977, 50978, 50979, 50980, 50981, 50982, 50983, 50984, 50985, 50986, 50987, 50988, 50989, 50990, 50991, 50992, 50993, 50994, 50995, 50996, 50997, 50998, 50999, 51000, 51001, 51002, 51003, 51004, 51005, 51006, 51007, 51008, 51009, 51010, 51011, 51012, 51013, 51014, 51015, 51016, 51135

NE 04010Ba:

Doryrhina cyclops (Temminck, 1853):
FMNH: 43577, 43578.
Eidolon helvum (Kerr, 1792):
FMNH: 43563, 43564, 43565, 43566, 43567, 43568, 43569, 43570.
Epomops franqueti (Tomes, 1860):
FMNH: 43575. - **MCZ:** 19396.
Glauconycteris variegata (Tomes, 1861):
MCZ: 19394.
Hipposideros Gray, 1831:
MCZ: 22334.
Hipposideros beatus (K. Andersen, 1906):
MCZ: 19399, 19400, 21728, 21729.
Hipposideros curtus G.M. Allen, 1921:
MCZ: 19305.
Hipposideros fuliginosus (Temminck, 1853):
FMNH: 48942. - **MCZ:** 19388, 19389, 19390, 19391, 19393.
Hipposideros ruber (Noack, 1893):
MCZ: 22331, 22332, 22333.
Hypsignathus monstrosus H. Allen, 1862:
MCZ: 19182.
Megaloglossus woermanni Pagenstecher, 1885:
MCZ: 19397.
Myotis bocagii cupreolus Thomas, 1904:
FMNH: 25299, 25300, 25301, 43580.
Neoromicia nana (Peters, 1852):
MCZ: 20064.
Nycteris hispida (Schreber, 1774):
FMNH: 43579. - **MCZ:** 19376, 19377.
Pipistrellus Kaup, 1829:
MCZ: 20474, 20475.

Pipistrellus rueppellii (Fischer, 1829):
MCZ: 20063.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MVZ: 196220, 196221, 196222

NE 04010Bc:

Myonycteris torquata torquata (Dobson, 1878):
FMNH: 43576

NE 04011Aa:

Eidolon helvum (Kerr, 1792):
RMCA: 74.009-M-0005, 74.009-M-0006.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 73.029-M-0144, 73.029-M-0145.
Epomops franqueti (Tomes, 1860):
RMCA: 74.009-M-0004, 74.009-M-0007, 74.009-M-0008.
Micropteropus pusillus (Peters, 1868):
RMCA: 73.029-M-0148, 73.029-M-0149, 74.009-M-0002, 74.009-M-0003.
Myonycteris angolensis (Bocage, 1898):
RMCA: 73.029-M-0150, 73.029-M-0151, 73.029-M-0152, 73.029-M-0153, 73.029-M-0154, 73.029-M-0155, 73.029-M-0156, 73.029-M-0157.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.029-M-0146, 73.029-M-0147

NE 04011Cc:

Eidolon helvum (Kerr, 1792):
ZMB: 31487

NE 04011Ab:

Mops (Xiphonycteris) petersoni (El Rayah, 1981):
AMNH: 241075.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
AMNH: 241080, 241081, 241082, 241083, 241084.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 241064, 241065, 241066.
Myotis bocagii cupreolus Thomas, 1904:
AMNH: 241047.
Neoromicia brunnea (Thomas, 1880):
ROM: 55625.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 55612, 55622, 55623, 56137, 56153

NE 04011Ba:

Chaerephon russatus J.A. Allen, 1917:
ROM: 56163.
Eidolon helvum (Kerr, 1792):
MVZ: 196217, 196218, 196219.
Eidolon helvum helvum (Kerr, 1792):
ROM: 55626, 55627.
Epomops franqueti (Tomes, 1860):
RMCA: 73.015-M-0077, 73.015-M-0078, 73.015-M-0079, 73.015-M-0080, 73.015-M-0081, 73.015-M-0082. - **ROM:** 55632, 55633, 56131, 56134, 56146, 56156.
Glauconycteris argentata (Dobson, 1875):
ROM: 56151.
Hipposideros beatus (K. Andersen, 1906):
ROM: 56150.
Hipposideros caffer (Sundevall, 1846):
ROM: 56158.
Hypsignathus monstrosus H. Allen, 1862:
PCMB: 270. - **ROM:** 55629, 56132, 56133, 56147, 56148, 56154, 56155, 56159.
Macronycteris vittatus (Peters, 1852):
ROM: 56149, 56160.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 73.015-M-0053, 73.015-M-0054, 73.015-M-0055, 73.015-M-0056, 73.015-M-0057, 73.015-M-0058, 73.015-M-0059, 73.015-M-0060, 73.015-M-0061.
Micropteropus pusillus (Peters, 1868):
ROM: 55628, 55630, 56157.
Mimetillus moloneyi (Thomas, 1891):
ROM: 55611, 55624, 56135, 56136.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):

ROM: 55613, 55614, 55615, 55616, 55617, 55618, 55619, 55620, 55621, 56129, 56130, 56139, 56140, 56141, 56142, 56143, 56144, 56145, 56161, 56162.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 55631.
Myonycteris torquata (Dobson, 1878):
PCMB: 514.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 56138, 56152.
Nycteris intermedia Aellen, 1959:
RMCA: 73.015-M-0093, 73.015-M-0094

NE 04011Bc:

Chaerephon russatus J.A. Allen, 1917:
ROM: 56112.
Eidolon helvum (Kerr, 1792):
RMCA: 33504, 73.029-M-0046, 73.029-M-0047, 73.029-M-0092.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1979-179, ZM-MO-1979-180, ZM-MO-1979-181. - **RMCA:** 73.029-M-0102. - **ROM:** 56125, 56126, 56127.
Hipposideros caffer (Sundevall, 1846):
ROM: 56117.
Megaloglossus woermanni Pagenstecher, 1885:
MNHN: ZM-MO-1979-166, ZM-MO-1979-167.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1979-214, ZM-MO-1979-215, ZM-MO-1979-216, ZM-MO-1979-217. - **RMCA:** 73.029-M-0011, 73.029-M-0012, 73.029-M-0013, 73.029-M-0014, 73.029-M-0015, 73.029-M-0016, 73.029-M-0017, 73.029-M-0018, 73.029-M-0019, 73.029-M-0020, 73.029-M-0021, 73.029-M-0022, 73.029-M-0023, 73.029-M-0024, 73.029-M-0025, 73.029-M-0026, 73.029-M-0027, 73.029-M-0028, 73.029-M-0029, 73.029-M-0030, 73.029-M-0031, 73.029-M-0032, 73.029-M-0033, 73.029-M-0034, 73.029-M-0035, 73.029-M-0036, 73.029-M-0037, 73.029-M-0038, 73.029-M-0039, 73.029-M-0040, 73.029-M-0041, 73.029-M-0085, 73.029-M-0086, 73.029-M-0087, 73.029-M-0088. - **ROM:** 56118, 56119, 56120, 56121, 56122, 56123, 56124.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
ROM: 56113, 56114, 56115.
Myonycteris torquata (Dobson, 1878):
MNHN: ZM-MO-1979-285. - **RMCA:** 73.029-M-0009.
Nanonycteris veldkampii (Jentink, 1888):
MNHN: ZM-MO-1979-311. - **RMCA:** 73.029-M-0007.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 56116.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.029-M-0056, 73.029-M-0057, 73.029-M-0058

NE 04011Bd:

Micropteropus pusillus (Peters, 1868):
TTU: 17951.
Myotis bocagii cupreolus Thomas, 1904:
TTU: 18005.
Neoromicia tenuipinnis (Peters, 1872):
CM: 58520.
Scotoecus albofuscus (Thomas, 1890):
AMNH: 241054

NE 04011Db:

Chaerephon ansorgei (Thomas, 1913):
AMNH: 241067, 241068.
Macronycteris gigas (Wagner, 1845):
AMNH: 241044.
Micropteropus pusillus (Peters, 1868):
AMNH: 241020

NE 04011Dd:

Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1892-221.
Micropteropus pusillus (Peters, 1868):
TTU: 17950.
Mimetillus moloneyi (Thomas, 1891):
AMNH: 241051.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
AMNH: 241062. - **TTU:** 18033.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
AMNH: 241085.
Myotis bocagii cupreolus Thomas, 1904:
AMNH: 241048. - **TTU:** 18004.

Nycteris grandis Peters, 1865:
ROM: 56107, 56108, 56109

NE 04012Cc:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1983-1260, ZM-MO-1983-1268, ZM-MO-1983-1269, ZM-MO-1983-1270, ZM-MO-1983-1273, ZM-MO-1983-1971, ZM-MO-1983-1972

NE 04012Cb:

Chaerephon ansorgei (Thomas, 1913):
AMNH: 241069.
Hipposideros ruber (Noack, 1893):
AMNH: 241037, 241102, 241103.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
AMNH: 241112, 241113.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
AMNH: 241086.
Mops (Xiphonycteris) petersoni (El Rayah, 1981):
AMNH: 241076, 241077, 241078, 241079.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
AMNH: 241087, 241088, 241089, 241114, 241115, 241116.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 241070, 241071, 241110, 241111

NE 04013Cb:

Doryrhina cyclops (Temminck, 1853):
AMNH: 241046, 241109.
Epomops franqueti (Tomes, 1860):
AMNH: 241013, 241094.
Hipposideros caffer (Sundevall, 1846):
TTU: 17982, 17983, 17984, 17985, 17986, 17987, 17988, 17989, 17990, 17991, 17992, 17993.
Hipposideros ruber (Noack, 1893):
AMNH: 241032, 241033, 241034, 241035, 241036, 241104, 241105, 241106, 241107, 241108.
Macronycteris gigas (Wagner, 1845):
AMNH: 241045.
Megaloglossus woermanni Pagenstecher, 1885:
AMNH: 241025, 241026, 241027, 241028, 241029, 241095, 241096. - **TTU:** 17965, 17966, 17967, 17968, 17969.
Myonycteris torquata (Dobson, 1878):
AMNH: 240998, 240999, 241000, 241001, 241002, 241003, 241004, 241005, 241093. - **TTU:** 17952, 17953, 17954

NE 04013Cd:

Myonycteris torquata (Dobson, 1878):
RMCA: 73.029-M-0010

NE 04013Bc:

Epomops franqueti (Tomes, 1860):
RMCA: 77.032-M-0159, 77.032-M-0160, 77.032-M-0161.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 77.032-M-0164, 77.032-M-0165, 77.032-M-0166.
Macronycteris vittatus (Peters, 1852):
RMCA: 77.032-M-0195.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 77.032-M-0182, 77.032-M-0183, 77.032-M-0184, 77.032-M-0185, 77.032-M-0186, 77.032-M-0187, 77.032-M-0188, 77.032-M-0189, 77.032-M-0190, 77.032-M-0191, 77.032-M-0192, 77.032-M-0193, 77.032-M-0194.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 77.032-M-0200.
Myonycteris torquata (Dobson, 1878):
RMCA: 77.032-M-0175, 77.032-M-0176.
Neoromicia nana (Peters, 1852):
RMCA: 77.032-M-0199

NE 04013Bd:

Doryrhina cyclops (Temminck, 1853):
RMCA: 76.014-M-0239, 76.014-M-0240.
Epomops franqueti (Tomes, 1860):
RMCA: 76.014-M-0016, 76.014-M-0017, 76.014-M-0018, 76.014-M-0019.
Hipposideros ruber (Noack, 1893):
RMCA: 76.014-M-0051, 76.014-M-0052, 76.014-M-0053, 76.014-M-0054, 76.014-M-0055, 76.014-M-0056, 76.014-M-0057, 76.014-M-0058, 76.014-M-0059, 76.014-M-0060, 76.014-M-0061, 76.014-M-0062, 76.014-M-0063, 76.014-M-0064, 76.014-M-

0065, 76.014-M-0066, 76.014-M-0067, 76.014-M-0068, 76.014-M-0069, 76.014-M-0070, 76.014-M-0071, 76.014-M-0072, 76.014-M-0073, 76.014-M-0074, 76.014-M-0227.
Nycteris arge Thomas, 1903:
RMCA: 76.014-M-0080.
Saccolaimus peli (Temminck, 1853):
RMCA: 76.014-M-0046

NE 04013Db:

Mops (Xiphonycteris) thersites (Thomas, 1903):
TTU: 18019, 18020, 18021

NE 04013Dd:

Epomops franqueti (Tomes, 1860):
RMCA: 73.029-M-0042.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 73.029-M-0005

NE 04014Ac:

Hipposideros ruber (Noack, 1893):
NMV: C1352, C1353

NE 04014Ad:

Epomops franqueti (Tomes, 1860):
BMNH: 1933.8.4.10, 1933.8.4.9. - **PCMB:** 162, 644, 645, 9.
Macronycteris gigas (Wagner, 1845):
MCZ: 30707, 30708. - **NMV:** C1334, C1335.
Scotophilus nux Thomas, 1904:
BMNH: 1945.365, 1945.367, 1945.368, 1945.370, 1945.371

NE 04014Da:

Epomops franqueti (Tomes, 1860):
RMCA: 76.014-M-0020, 76.014-M-0021, 76.014-M-0094.
Micropteropus pusillus (Peters, 1868):
RMCA: 76.014-M-0027, 76.014-M-0028, 76.014-M-0040, 76.014-M-0041, 76.014-M-0042, 76.014-M-0043

NE 04015Bc:

Epomophorus gambianus pousarguesi Trouessart, 1904:
MNHN: ZM-MO-1892-1020

NE 04018Aa:

Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1984-2013, ZM-MO-1984-2014, ZM-MO-1984-2015, ZM-MO-1984-2016, ZM-MO-1984-2017, ZM-MO-1984-2018, ZM-MO-1984-2019, ZM-MO-1984-2020, ZM-MO-1984-2021, ZM-MO-1984-2022, ZM-MO-1984-2023, ZM-MO-1984-2024, ZM-MO-1984-2025, ZM-MO-1984-2026, ZM-MO-1984-2027, ZM-MO-1984-2028, ZM-MO-1984-2029, ZM-MO-1984-2030, ZM-MO-1984-2031, ZM-MO-1984-2032, ZM-MO-1984-2033, ZM-MO-1984-2034, ZM-MO-1984-2035, ZM-MO-1984-2036, ZM-MO-1984-2037, ZM-MO-1984-2038.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1984-1628, ZM-MO-1984-1629, ZM-MO-1984-1630, ZM-MO-1984-1631, ZM-MO-1984-1632, ZM-MO-1984-1633, ZM-MO-1984-1634, ZM-MO-1984-1635, ZM-MO-1984-1636, ZM-MO-1984-1637.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1984-1638

NE 04018Bc:

Chaerephon nigeriae Thomas, 1913:
MNHN: ZM-MO-1984-1584, ZM-MO-1984-1585, ZM-MO-1984-1586, ZM-MO-1984-1587, ZM-MO-1984-1588, ZM-MO-1984-1589, ZM-MO-1984-1590, ZM-MO-1984-1591, ZM-MO-1984-1592, ZM-MO-1984-1593, ZM-MO-1984-1594, ZM-MO-1984-1595, ZM-MO-1984-1596, ZM-MO-1984-1597, ZM-MO-1984-1598, ZM-MO-1984-1599, ZM-MO-1984-1600, ZM-MO-1984-1602, ZM-MO-1984-1603, ZM-MO-1984-1604, ZM-MO-1984-1605, ZM-MO-1984-1606, ZM-MO-1984-1607, ZM-MO-1984-1608, ZM-MO-1984-1609, ZM-MO-1984-1610, ZM-MO-1984-1611, ZM-MO-1984-1612, ZM-MO-1984-1613, ZM-MO-1984-1614, ZM-MO-1984-1615, ZM-MO-1984-1616, ZM-MO-1984-1617, ZM-MO-1984-1618, ZM-MO-1984-1619, ZM-MO-1984-1620, ZM-MO-1984-1621, ZM-MO-1984-1622, ZM-MO-1984-1623, ZM-MO-1984-1624, ZM-MO-1984-1625, ZM-MO-1984-1626, ZM-MO-1984-249.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1984-1966, ZM-MO-1984-1967, ZM-MO-1984-1968, ZM-MO-1984-1969, ZM-MO-1984-1970, ZM-MO-1984-1971, ZM-MO-1984-1972, ZM-MO-1984-1973, ZM-MO-1984-1974, ZM-MO-1984-1975, ZM-MO-1984-1976, ZM-MO-1984-1977, ZM-MO-1984-1978, ZM-MO-1984-1979, ZM-MO-1984-1980, ZM-MO-1984-1981, ZM-MO-1984-1982, ZM-MO-1984-

1983, ZM-MO-1984-1984, ZM-MO-1984-1985, ZM-MO-1984-1986, ZM-MO-1984-1987, ZM-MO-1984-1988, ZM-MO-1984-1989, ZM-MO-1984-1990, ZM-MO-1984-1991.
Coleura afra (Peters, 1852):
MNHN: ZM-MO-1984-1508, ZM-MO-1984-1509, ZM-MO-1984-1510, ZM-MO-1984-1511, ZM-MO-1984-1512, ZM-MO-1984-1513, ZM-MO-1984-1514, ZM-MO-1984-1515, ZM-MO-1984-1516, ZM-MO-1984-1517, ZM-MO-1984-1518, ZM-MO-1984-1519, ZM-MO-1984-1520, ZM-MO-1984-1521, ZM-MO-1984-1522, ZM-MO-1984-1523, ZM-MO-1984-1524, ZM-MO-1984-1525, ZM-MO-1984-1526, ZM-MO-1984-1527, ZM-MO-1984-1528, ZM-MO-1984-1529, ZM-MO-1984-1530, ZM-MO-1984-1531, ZM-MO-1984-1532, ZM-MO-1984-1533, ZM-MO-1984-1534, ZM-MO-1984-1535, ZM-MO-1984-1536, ZM-MO-1984-1537, ZM-MO-1984-1538, ZM-MO-1984-1539, ZM-MO-1984-1540, ZM-MO-1984-1541, ZM-MO-1984-1542, ZM-MO-1984-1543, ZM-MO-1984-1544, ZM-MO-1984-1545, ZM-MO-1984-1546, ZM-MO-1984-1547, ZM-MO-1984-1548, ZM-MO-1984-1549, ZM-MO-1984-1550, ZM-MO-1984-1551, ZM-MO-1984-1552, ZM-MO-1984-1553, ZM-MO-1984-1554, ZM-MO-1984-1555, ZM-MO-1984-1556, ZM-MO-1984-1557, ZM-MO-1984-1558, ZM-MO-1984-1559, ZM-MO-1984-1560, ZM-MO-1984-1561, ZM-MO-1984-1562, ZM-MO-1984-1563, ZM-MO-1984-1564, ZM-MO-1984-1565, ZM-MO-1984-1566, ZM-MO-1984-1567, ZM-MO-1984-1568, ZM-MO-1984-1569, ZM-MO-1984-1570, ZM-MO-1984-1571, ZM-MO-1984-1572, ZM-MO-1984-1573, ZM-MO-1984-1574, ZM-MO-1984-1575, ZM-MO-1984-1576, ZM-MO-1984-1577, ZM-MO-1984-1578, ZM-MO-1984-1579, ZM-MO-1984-1580, ZM-MO-1984-1581, ZM-MO-1984-1582, ZM-MO-1984-1583.
Eidolon helvum (Kerr, 1792):
MNHN: ZM-2011-684.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-2011-685, ZM-2011-686.
Epomophorus gambianus pousarguesi Trouessart, 1904:
MNHN: ZM-MO-1975-1062, ZM-MO-1975-1063, ZM-MO-1977-673. - **ZMA:** MAM.18097.
Hipposideros beatus (K. Andersen, 1906):
MNHN: ZM-MO-1984-1459, ZM-MO-1984-1460, ZM-MO-1984-1461, ZM-MO-1984-1462, ZM-MO-1984-1463, ZM-MO-1984-1464, ZM-MO-1984-1465, ZM-MO-1984-1466, ZM-MO-1984-1467, ZM-MO-1984-1468, ZM-MO-1984-1469, ZM-MO-1984-1470.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1892-1023, ZM-MO-1985-823.
Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-MO-1975-1060, ZM-MO-1981-119.
Kerivoula lanosa (A. Smith, 1847):
MNHN: ZM-MO-1997-558.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-1984-1503, ZM-MO-1984-1505.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-2011-709, ZM-MO-1966-172. - **RBINS:** 7715. - **RMCA:** 82.013-M-0001, 82.013-M-0002, 82.013-M-0003, 82.013-M-0004.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1984-1647 A, ZM-MO-1984-1647 B, ZM-MO-1984-1647 C, ZM-MO-1984-1647 D, ZM-MO-1984-1647 E, ZM-MO-1984-1647 F, ZM-MO-1984-1647 G, ZM-MO-1984-1647 H, ZM-MO-1984-1655, ZM-MO-1984-1656, ZM-MO-1984-1657, ZM-MO-1984-1658, ZM-MO-1984-1659, ZM-MO-1984-1660, ZM-MO-1984-1661, ZM-MO-1984-1662, ZM-MO-1984-1663, ZM-MO-1984-1664, ZM-MO-1984-1665, ZM-MO-1984-1666, ZM-MO-1984-1667, ZM-MO-1984-1668, ZM-MO-1984-1669, ZM-MO-1984-1670, ZM-MO-1984-1671, ZM-MO-1984-1672, ZM-MO-1984-1673, ZM-MO-1984-1674, ZM-MO-1984-1675, ZM-MO-1984-1676, ZM-MO-1984-1677, ZM-MO-1984-1678, ZM-MO-1984-1679, ZM-MO-1984-1680, ZM-MO-1984-1681, ZM-MO-1984-1682, ZM-MO-1984-1683, ZM-MO-1984-1684, ZM-MO-1984-1685, ZM-MO-1984-1686, ZM-MO-1984-1687, ZM-MO-1984-1688, ZM-MO-1984-1689, ZM-MO-1984-1690, ZM-MO-1984-1690 A, ZM-MO-1984-1690 B, ZM-MO-1984-1691, ZM-MO-1984-1692, ZM-MO-1984-1693, ZM-MO-1984-1694, ZM-MO-1984-1695, ZM-MO-1984-1696, ZM-MO-1984-1697, ZM-MO-1984-1698, ZM-MO-1984-1699, ZM-MO-1984-1700, ZM-MO-1984-1701, ZM-MO-1984-1702, ZM-MO-1984-1703, ZM-MO-1984-1704, ZM-MO-1984-1705, ZM-MO-1984-1706, ZM-MO-1984-1707, ZM-MO-1984-1708, ZM-MO-1984-1709, ZM-MO-1984-1710, ZM-MO-1984-1711, ZM-MO-1984-1712, ZM-MO-1984-1713, ZM-MO-1984-1714, ZM-MO-1984-1715, ZM-MO-1984-1716, ZM-MO-1984-1717, ZM-MO-1984-1718, ZM-MO-1984-1719, ZM-MO-1984-1720, ZM-MO-1984-1721, ZM-MO-1984-1722, ZM-MO-1984-1723, ZM-MO-1984-1724, ZM-MO-1984-1725, ZM-MO-1984-1726, ZM-MO-1984-1727, ZM-MO-1984-1728, ZM-MO-1984-1729, ZM-MO-1984-1730, ZM-MO-1984-1731, ZM-MO-1984-1732, ZM-MO-1984-1733, ZM-MO-1984-1734, ZM-MO-1984-1735, ZM-MO-1984-1736, ZM-MO-1984-1737, ZM-MO-1984-1738, ZM-MO-1984-1739, ZM-MO-1984-1740, ZM-MO-1984-1741, ZM-MO-1984-1742, ZM-MO-1984-1743, ZM-MO-1984-1744, ZM-MO-1984-1745, ZM-MO-1984-1746, ZM-MO-1984-1747, ZM-MO-1984-1748, ZM-MO-1984-1749, ZM-MO-1984-1750, ZM-MO-1984-1751, ZM-MO-1984-1752, ZM-MO-1984-1753, ZM-MO-1984-1754, ZM-MO-1984-1755, ZM-MO-1984-1756, ZM-MO-1984-1757, ZM-MO-1984-1758, ZM-MO-1984-1759, ZM-MO-1984-1760, ZM-MO-1984-1761, ZM-MO-1984-1762, ZM-MO-1984-1763, ZM-MO-1984-1764, ZM-MO-1984-1765, ZM-MO-1984-1766, ZM-MO-1984-1767, ZM-MO-1984-1768, ZM-MO-1984-1769, ZM-MO-1984-1770, ZM-MO-1984-1771, ZM-MO-1984-1772, ZM-MO-1984-1773, ZM-MO-1984-1774, ZM-MO-1984-1775, ZM-MO-1984-1776, ZM-MO-1984-1777, ZM-MO-1984-1778, ZM-MO-1984-1779, ZM-MO-1984-1780, ZM-MO-1984-1781, ZM-MO-1984-1782, ZM-MO-1984-1783, ZM-MO-1984-1784, ZM-MO-1984-1785, ZM-MO-1984-1786, ZM-MO-1984-1787, ZM-MO-1984-1788, ZM-MO-1984-1789, ZM-MO-1984-1790, ZM-MO-1984-1791, ZM-MO-1984-1792 A, ZM-MO-1984-1792 B, ZM-MO-1984-1792 C, ZM-MO-1984-1792 D, ZM-MO-1984-1792 E, ZM-MO-1984-1792 F, ZM-MO-1984-1792 G, ZM-MO-1984-1792 H, ZM-MO-1984-1792 I, ZM-MO-1984-1792 J, ZM-MO-1984-1792 K, ZM-MO-1984-1792 L, ZM-MO-1984-1792 M, ZM-MO-1984-1792 N, ZM-MO-1984-1792 O, ZM-MO-1984-1792 P, ZM-MO-1984-1792 Q, ZM-MO-1984-1809, ZM-MO-1984-1810, ZM-MO-1984-1811, ZM-MO-1984-1812, ZM-MO-1984-1813, ZM-MO-1984-1814, ZM-MO-1984-1815, ZM-MO-1984-1816, ZM-MO-1984-1817, ZM-MO-1984-1818, ZM-MO-1984-1819, ZM-MO-1984-1820, ZM-MO-1984-1821, ZM-MO-1984-1822, ZM-MO-1984-1823, ZM-MO-1984-1824, ZM-MO-1984-1825, ZM-MO-1984-1826, ZM-MO-1984-1827, ZM-MO-1984-1828, ZM-MO-1984-1829, ZM-MO-1984-1830, ZM-MO-1984-1831, ZM-MO-1984-1832, ZM-MO-1984-1833, ZM-MO-1984-1834, ZM-MO-1984-1835, ZM-MO-1984-1836, ZM-MO-1984-1837, ZM-MO-1984-1838, ZM-MO-1984-1839, ZM-MO-1984-1840, ZM-MO-1984-1841, ZM-MO-1984-1842, ZM-MO-1984-1843, ZM-MO-1984-1844, ZM-MO-1984-1845, ZM-MO-1984-1846, ZM-MO-1984-1847, ZM-MO-1984-1848, ZM-MO-1984-1849, ZM-MO-1984-1850, ZM-MO-1984-1851, ZM-MO-1984-1852, ZM-MO-1984-1853, ZM-MO-1984-1854, ZM-MO-1984-1855, ZM-MO-1984-1856, ZM-MO-1984-1857, ZM-MO-1984-1858, ZM-MO-1984-1859, ZM-MO-1984-1860, ZM-MO-1984-1861, ZM-MO-1984-1862, ZM-MO-1984-1863, ZM-MO-1984-1864, ZM-MO-1984-1865, ZM-MO-1984-1866, ZM-MO-1984-1867, ZM-MO-1984-1868, ZM-MO-1984-1869, ZM-MO-1984-

1870, ZM-MO-1984-1871, ZM-MO-1984-1872, ZM-MO-1984-1873, ZM-MO-1984-1874, ZM-MO-1984-1875, ZM-MO-1984-1876, ZM-MO-1984-1877, ZM-MO-1984-1878, ZM-MO-1984-1879, ZM-MO-1984-1880, ZM-MO-1984-1881, ZM-MO-1984-1882, ZM-MO-1984-1883, ZM-MO-1984-1884, ZM-MO-1984-1885, ZM-MO-1984-1886, ZM-MO-1984-1887, ZM-MO-1984-1888, ZM-MO-1984-1889, ZM-MO-1984-1890, ZM-MO-1984-1891, ZM-MO-1984-1892, ZM-MO-1984-1893, ZM-MO-1984-1894, ZM-MO-1984-1895, ZM-MO-1984-1896, ZM-MO-1984-1897, ZM-MO-1984-1898, ZM-MO-1984-1899, ZM-MO-1984-1900, ZM-MO-1984-1901, ZM-MO-1984-1902, ZM-MO-1984-1903, ZM-MO-1984-1904, ZM-MO-1984-1905, ZM-MO-1984-1906, ZM-MO-1984-1907, ZM-MO-1984-1908, ZM-MO-1984-1909, ZM-MO-1984-1910, ZM-MO-1984-1911, ZM-MO-1984-1912, ZM-MO-1984-1913, ZM-MO-1984-1914, ZM-MO-1984-1915, ZM-MO-1984-1916, ZM-MO-1984-1917, ZM-MO-1984-1918, ZM-MO-1984-1919, ZM-MO-1984-1920, ZM-MO-1984-1921, ZM-MO-1984-1922, ZM-MO-1984-1923, ZM-MO-1984-1924, ZM-MO-1984-1925, ZM-MO-1984-1926, ZM-MO-1984-1927, ZM-MO-1984-1928, ZM-MO-1984-1929, ZM-MO-1984-1930, ZM-MO-1984-1931, ZM-MO-1984-1932, ZM-MO-1984-1933, ZM-MO-1984-1935, ZM-MO-1984-1936, ZM-MO-1984-1937, ZM-MO-1984-1938, ZM-MO-1984-1939, ZM-MO-1984-1940, ZM-MO-1984-1941, ZM-MO-1984-1942, ZM-MO-1984-1992, ZM-MO-1984-1993, ZM-MO-1984-1994, ZM-MO-1984-1995, ZM-MO-1984-1996, ZM-MO-1984-1997, ZM-MO-1984-1998, ZM-MO-1984-1999.
Nanonycteris veldkampii (Jentink, 1888):
LACM: 19928. - **MNHN:** ZM-2011-712, ZM-MO-1984-250.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-1721, ZM-MO-1985-1722, ZM-MO-1985-1723, ZM-MO-1985-513, ZM-MO-1988-252.
Neoromicia tenuipinnis (Peters, 1872):
MNHN: ZM-MO-1977-560.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1947-856, ZM-MO-1947-857, ZM-MO-1984-2073, ZM-MO-1985-281, ZM-MO-1985-298.
Pipistrellus rueppellii (Fischer, 1829):
MNHN: ZM-MO-1985-1035.
Scotophilus leucogaster (Cretzschmar, 1826):
MNHN: ZM-MO-1976-422, ZM-MO-1976-423, ZM-MO-1976-424, ZM-MO-1976-425, ZM-MO-1976-426, ZM-MO-1976-427, ZM-MO-1976-428, ZM-MO-1976-429, ZM-MO-1976-430, ZM-MO-1976-431, ZM-MO-1976-432, ZM-MO-1976-433, ZM-MO-1976-434, ZM-MO-1976-435, ZM-MO-1976-436

NE 04020Ad:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 11697, 17752.
Neoromicia nana (Peters, 1852):
RMCA: 17755

NE 04022Db:

Epomophorus gambianus (Ogilby, 1835):
CM: 40972.
Micropteropus pusillus (Peters, 1868):
CM: 40985, 40986, 40987, 40988, 40989

NE 04023Aa:

Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1907.7.8.21

NE 04023Ac:

Hipposideros ruber (Noack, 1893):
RMCA: 25863.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 25861, 25862

NE 04025Bb:

Hipposideros ruber (Noack, 1893):
RMCA: 17756, 18103, 18105, 18106

NE 04025Bd:

Hipposideros abae J.A. Allen, 1917:
RMCA: 82.031-M-0005

NE 04027Cc:

Nycteris G. Cuvier and E. Geoffroy, 1795:
USNM: 586778, 586779, 586780, 586781

NE 04027Ba:

Neoromicia nana (Peters, 1852):
RMCA: 8955, 8958, 8969, 8970, 8971, 8978, 8979, 8989, 8990, 9902.
Neoromicia tenuipinnis (Peters, 1872):

RMCA: 16228

NE 04027Bc:

Neoromicia nana (Peters, 1852):
RMCA: 16257, 16260

NE 04027Dc:

Coleura afra (Peters, 1852):
USNM: 586761.
Epomops franqueti (Tomes, 1860):
USNM: 587230, 587232, 587233, 587234, 587239, 587247, 587249, 587250, 587251, 587254.
Glauconycteris Dobson, 1875:
USNM: 586741, 586748, 586753, 586758, 586760, 586772.
Glauconycteris beatrix Thomas, 1901:
USNM: 586740.
Glauconycteris poensis (Gray, 1842):
USNM: 586596, 586597, 586598, 586599, 586600, 586601, 586750.
Glauconycteris superba Hayman, 1939:
USNM: 586592, 586745, 586747, 586766.
Glauconycteris variegata (Tomes, 1861):
USNM: 586595, 586746, 586751, 586756, 586759, 586762, 586769, 586770.
Hipposideros Gray, 1831:
USNM: 586763, 586764, 586773, 586775, 586777, 587229, 587248, 587252, 587253, 587279, 587280.
Hipposideros caffer (Sundevall, 1846):
USNM: 586742, 586743.
Hipposideros ruber (Noack, 1893):
USNM: 586776.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 587214.
Micropteropus pusillus (Peters, 1868):
USNM: 586859, 586861, 587219, 587225, 587226, 587257, 587258, 587259, 587260, 587261.
Miniopterus Bonaparte, 1837:
USNM: 586771.
Miniopterus natalensis (A. Smith, 1833):
USNM: 586744, 586757.
MOLOSSIDAE Gervais, 1856:
USNM: 587223.
Neoromicia Roberts, 1926:
USNM: 586755, 586862, 587224, 587255, 587256, 587275, 587276, 587277, 587278.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 586752.
Nycteris G. Cuvier and E. Geoffroy, 1795:
USNM: 586765, 586768, 586774, 586860, 587218, 587222, 587231, 587238, 587246.
Nycteris macrotis Dobson, 1876:
USNM: 587217.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
USNM: 587237.
Scotoecus Thomas, 1901:
USNM: 586749, 586754, 586767, 587215.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 587216

NE 04027Dd:

Epomops franqueti (Tomes, 1860):
FMNH: 108125.
Hipposideros ruber (Noack, 1893):
FMNH: 108162, 108163.
Hypsignathus monstrosus H. Allen, 1862:
FMNH: 108127, 108128, 108129.
Hypsugo crassulus (Thomas, 1904):
FMNH: 108168.
Nycteris arge Thomas, 1903:
FMNH: 108143.
Nycteris hispida (Schreber, 1774):
FMNH: 108144.
Nycteris nana (K. Andersen, 1912):
FMNH: 108145

NE 04028Ca:

Glauconycteris variegata (Tomes, 1861):
USNM: 586718.

Neoromicia Roberts, 1926:
USNM: 586717

NE 04028Cb:

Chaerephon Dobson, 1874:
USNM: 586716, 587205, 587304, 587305.
Chaerephon nigeriae Thomas, 1913:
ROM: 72087, 72092, 72093, 72102.
Coleura afra (Peters, 1852):
FMNH: 81567, 81568.
Epomophorus Bennett, 1836:
USNM: 587281, 587282, 587283, 587284, 587285, 587286, 587287, 587288, 587291, 587292, 587293, 587294, 587295, 587296, 587297, 587298, 587299.
Epomophorus gambianus (Ogilby, 1835):
USNM: 587204, 587206.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1977.595, 1977.595_1, 1977.595_2, 1977.596.
Epomops franqueti (Tomes, 1860):
USNM: 587290.
Glauconycteris argentata (Dobson, 1875):
ROM: 72103.
Glauconycteris variegata (Tomes, 1861):
ROM: 72089.
Hipposideros abae J.A. Allen, 1917:
FMNH: 81574, 81575, 81576, 81577, 81578, 81579.
Hipposideros ruber (Noack, 1893):
FMNH: 81569, 81570, 81571, 81572, 81573.
Micropteropus pusillus (Peters, 1868):
BMNH: 1977.597, 1977.598. - **ROM:** 72099. - **USNM:** 587207, 587209.
Mimetillus moloneyi (Thomas, 1891):
ROM: 72090, 72091.
MOLOSSIDAE Gervais, 1856:
USNM: 587303.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 72086, 72088.
Mops (Mops) trevori J.A. Allen, 1917:
BMNH: 1977.626, 1977.626_01, 1977.626_02, 1977.626_03, 1977.626_04, 1977.626_05, 1977.626_06, 1977.626_07, 1977.626_08, 1977.626_09, 1977.626_10, 1977.626_11, 1977.626_12, 1977.626_13, 1977.626_14, 1977.626_15, 1977.626_16, 1977.626_17, 1977.626_18, 1977.626_19, 1977.626_20, 1977.626_21, 1977.626_22, 1977.626_23, 1977.626_24, 1977.626_25, 1977.626_26, 1977.626_27, 1977.626_28, 1977.626_29, 1977.626_30, 1977.626_31, 1977.626_32, 1977.626_33, 1977.626_34, 1977.626_35, 1977.627, 1977.628, 1977.629, 1977.630, 1977.631, 1977.632, 1977.633, 1977.634, 1977.635, 1977.636, 1977.637, 1977.638, 1977.639, 1977.640, 1977.641, 1977.642, 1977.643, 1977.644, 1977.645, 1977.646, 1977.647, 1977.648, 1977.649, 1977.650, 1977.651, 1977.652, 1977.653, 1977.654, 1977.655, 1977.656, 1977.657, 1977.658, 1977.659, 1977.660. - **ROM:** 72085.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
BMNH: 1977.621, 1977.621_1, 1977.621_2, 1977.622, 1977.623, 1977.623_1, 1977.623_2, 1977.623_3, 1977.624, 1977.625. - **ROM:** 72101, 72106.
Neoromicia guineensis (Bocage, 1889):
SMF: 33275.
Neoromicia helios (Heller, 1912):
FMNH: 81566.
Neoromicia rendalli (Thomas, 1889):
ROM: 72095, 72098.
Neoromicia somalica (Thomas, 1901):
FMNH: 81565. - **SMF:** 33281.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 72096, 72097, 72100, 72104, 72105.
Nycteris macrotis Dobson, 1876:
FMNH: 81589.
Scotoecus Thomas, 1901:
USNM: 587208, 587213, 587302.
Scotoecus hindei Thomas, 1901:
BMNH: 1977.609, 1977.610, 1977.611, 1977.612, 1977.613, 1977.614, 1977.615, 1977.616, 1977.617, 1977.618, 1977.619, 1977.620.
Scotoecus hirundo (de Winton, 1899):
BMNH: 1977.609_01, 1977.609_02, 1977.609_03, 1977.609_04, 1977.609_05, 1977.609_06, 1977.609_07, 1977.609_08, 1977.609_09, 1977.609_10, 1977.619_1, 1977.619_2.
Scotophilus dinganii (A. Smith, 1833):
ROM: 72094.
Scotophilus viridis (Peters, 1852):
USNM: 587211, 587212.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:

BMNH: 1977.599, 1977.600, 1977.600_1, 1977.600_2, 1977.600_3, 1977.600_4, 1977.600_5, 1977.600_6, 1977.600_7, 1977.600_8, 1977.600_9, 1977.601, 1977.602, 1977.603, 1977.604, 1977.605, 1977.606, 1977.607, 1977.608. - **SMF:** 32788, 32789. - **USNM:** 317904, 317905, 587210

NE 04028Bd:

Neoromicia nana (Peters, 1852):
AMNH: 49344.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 49365

NE 04029Ab:

Chaerephon ansorgei (Thomas, 1913):
RBINS: 13775.1, 13775.2.
Chaerephon major (Trouessart, 1897):
RBINS: 13783.1, 13783.2. - **RMCA:** 36895.
Neoromicia capensis (A. Smith, 1829):
RBINS: 13846.1, 13846.2.
Nycteris macrotis Dobson, 1876:
RMCA: 36562.
Nycteris nana (K. Andersen, 1912):
RMCA: 36601, 36603.
Taphozous perforatus sudani Thomas, 1915:
RBINS: 13538

NE 04029Ad:

Epomophorus crypturus Peters, 1852:
RMCA: 36546.
Epomophorus labiatus (Temminck, 1837):
RBINS: 13506, 13507, 13508.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
INPBC: 1441. - **RBINS:** 13632, 13634, 13635, 13640, 13642, 13643. - **RMCA:** 36938, 36939, 36940, 36945.
Neoromicia capensis (A. Smith, 1829):
RBINS: 13840.1, 13840.2, 13840.3. - **RMCA:** 36852.
Neoromicia nana (Peters, 1852):
RBINS: 13802.1, 13802.2, 13802.3, 13802.4, 13802.5, 13802.6, 13861, 13864.01, 13864.02, 13864.03, 13864.04, 13864.05, 13864.06, 13864.07, 13864.08, 13864.09, 13864.10, 13864.11, 13864.12, 13864.13, 13864.14, 13864.15, 13865.01, 13865.02, 13865.03, 13865.04, 13865.05, 13865.06, 13865.07, 13865.08, 13865.09, 13865.10, 13865.11, 13865.12, 13867. - **RMCA:** 36867, 36868, 36869, 36870, 36871, 36872, 36873, 36874, 36875, 36876, 36877, 36878, 36879, 36880, 36881, 36882, 36883, 36884, 36885, 36886, 36887.
Neoromicia rendalli (Thomas, 1889):
INPBC: 1182.1, 1182.2, 1182.3. - **RMCA:** 36848, 36849, 36850, 36851.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
RMCA: 36843, 36844.
Taphozous perforatus sudani Thomas, 1915:
RBINS: 13539.1, 13539.2, 13539.3

NE 04029Ba:

Chaerephon ansorgei (Thomas, 1913):
RBINS: 13776.1, 13776.2, 13776.3, 13776.4, 13776.5, 13776.6, 13780. - **RMCA:** 36891, 36892.
Doryrhina cyclops (Temminck, 1853):
RBINS: 13675.
Epomophorus crypturus Peters, 1852:
RMCA: 36553.
Epomophorus labiatus (Temminck, 1837):
RBINS: 13512, 13514, 13515, 13518, 13519.
Hipposideros caffer (Sundevall, 1846):
RMCA: 36826, 36827.
Hipposideros ruber (Noack, 1893):
RMCA: 36706, 36707, 36708, 36709, 36710, 36712, 36713, 36714, 36715, 36716, 36742, 36743, 36744, 36745, 36800, 36801.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 13644, 13648. - **RMCA:** 36949.
Micropteropus pusillus (Peters, 1868):
RBINS: 13522.
Mops (Mops) demonstrator (Thomas, 1903):
RBINS: 13806.1, 13806.2, 13806.3, 13806.4, 13807, 13810, 13812, 13824, 13825.
Mops (Mops) midas (Sundevall, 1843):
RBINS: 13815.1, 13815.2, 13815.3, 13823.
Neoromicia capensis (A. Smith, 1829):
AMNH: 49340.
Neoromicia nana (Peters, 1852):

AMNH: 49311.
Nycteris hispida (Schreber, 1774):
INPBC: 5120. - **RBINS:** 13569.1, 13569.2, 13570, 13578, 13590, 13605, 13609.1, 13609.2, 13614.1, 13614.2, 13618. - **RMCA:** 36572, 36599.
Nycteris macrotis Dobson, 1876:
AMNH: 49399. - **RBINS:** 13623, 13624. - **RMCA:** 36561.
Nycteris nana (K. Andersen, 1912):
RBINS: 13549, 13554, 13556.
Nycticeinops schlieffenii (Peters, 1859):
INPBC: 2751. - **RBINS:** 13870. - **RMCA:** 36888.
Rhinolophus Lacépède, 1799:
RBINS: 8129.1, 8129.2, 8129.3, 8129.4.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 13531.1, 13531.2, 13536, 13537

NE 04029Bc:

Chaerephon pumilus (Cretzschmar, 1826):
RBINS: 13781.
Hipposideros abae J.A. Allen, 1917:
RBINS: 13680.1, 13680.2.
Hipposideros ruber (Noack, 1893):
RBINS: 13734.1, 13734.2, 13735.1, 13735.2, 13741.1, 13741.2, 13741.3, 13741.4, 13741.5, 13741.6, 13742.1, 13742.2, 13743, 13744.1, 13744.2, 13744.3, 13744.4, 13745.1, 13745.2, 13745.3, 13745.4, 13746.1, 13746.2, 13746.3, 13746.4, 13746.5, 13746.6, 13746.7, 13746.8, 13746.9, 13747.1, 13747.2, 13748.1, 13748.2. - **RMCA:** 36833, 36834, 36835.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 36941, 36944.
Nycteris arge Thomas, 1903:
RBINS: 13543.1, 13543.2.
Nycteris hispida (Schreber, 1774):
INPBC: 3253. - **RBINS:** 13584.1, 13584.2, 13586, 13589. - **RMCA:** 36573, 36574, 36585, 36586, 36595, 36596.
Nycteris macrotis Dobson, 1876:
RBINS: 13625.1, 13625.2, 13625.3, 13625.4, 13625.5, 13626.
Nycteris nana (K. Andersen, 1912):
RBINS: 13551, 13552.1, 13552.2, 13553, 13555.1, 13555.2. - **RMCA:** 36600.
Rhinolophus alcyone Temminck, 1853:
RBINS: 13666.
Rhinolophus lobatus Peters, 1852:
RBINS: 13663

NE 04029Da:

Chaerephon ansorgei (Thomas, 1913):
RBINS: 13779.1, 13779.2, 13779.3. - **RMCA:** 36893.
Doryrhina cyclops (Temminck, 1853):
RBINS: 13502, 13503, 13505, 13669.1, 13669.2, 13669.3, 13669.4, 13672, 13673, 13674.1, 13674.2, 13674.3, 13674.4, 13676, 13677.1, 13677.2, 13677.3, 13677.4, 13677.5, 13677.6. - **RMCA:** 36808, 36809, 36810, 36811, 36812, 36813a, 36813b, 36814, 36815, 36818, 36819, 36820, 36821, 36822.
Epomops franqueti (Tomes, 1860):
RBINS: 13501.
Hipposideros abae J.A. Allen, 1917:
RBINS: 13682.1, 13682.2, 13682.3, 13682.4, 13682.5, 13682.6, 13682.7, 13682.8, 13683, 13684.1, 13790.01, 13790.02, 13790.03, 13790.04, 13790.05, 13790.06, 13790.07, 13790.08, 13790.09, 13790.10, 13790.11, 13790.12, 13790.13, 13790.14, 13790.15, 13790.16, 13790.17, 13790.18, 13790.19, 13790.20, 13790.21, 13790.22, 13790.23, 13790.24, 13790.25, 13791.01, 13791.02, 13791.03, 13791.04, 13791.05, 13791.06, 13791.07, 13791.08, 13791.09, 13791.10, 13791.11, 13791.12, 13791.13, 13791.14, 13791.15, 13791.16, 13791.17, 13791.18, 13791.19, 13791.20, 13791.21, 13791.22, 13791.23, 13791.24, 13791.25, 13791.26, 13791.27, 13791.28, 13791.29, 13791.30, 13791.31, 13791.32, 13791.33, 13791.34, 13791.35, 13792.01, 13792.02, 13792.03, 13792.04, 13792.05, 13792.06, 13792.07, 13792.08, 13792.09, 13792.10, 13792.11, 13792.12, 13792.13, 13792.14, 13792.15, 13792.16, 13792.17, 13792.18, 13792.19, 13792.20, 13792.21, 13792.22, 13792.23, 13792.24, 13792.25, 13792.26, 13792.27, 13792.28, 13792.29, 13792.30, 13793.01, 13793.02, 13793.03, 13793.04, 13793.05, 13793.06, 13793.07, 13793.08, 13793.09, 13793.10, 13793.11, 13793.12, 13793.13, 13793.14, 13793.15, 13793.16, 13793.17, 13793.18, 13793.19, 13793.20, 13793.21, 13793.22, 13793.23, 13793.24, 13793.25, 13793.26, 13793.27, 13793.28, 13793.29, 13793.30, 13794.01, 13794.02, 13794.03, 13794.04, 13794.05, 13794.06, 13794.07, 13794.08, 13794.09, 13794.10, 13794.11, 13794.12, 13794.13, 13794.14, 13794.15, 13794.16, 13794.17, 13794.18, 13794.19, 13794.20, 13794.21, 13794.22, 13794.23, 13794.24, 13794.25, 13794.26, 13794.27. - **RMCA:** 36610, 36611, 36612a, 36613, 36614, 36615, 36616, 36617, 36618, 36619, 36620, 36621, 36622, 36623, 36624, 36625, 36626, 36627, 36628, 36629, 36630, 36631, 36632, 36633, 36634, 36635, 36636, 36637, 36638, 36639, 36640, 36641, 36642, 36643, 36644, 36645, 36646, 36647, 36648, 36649, 36650, 36651, 36652, 36653, 36654, 36655, 36656, 36657, 36658, 36659, 36660, 36661, 36662, 36663, 36664, 36665, 36666, 36667, 36668, 36669, 36670, 36671, 36672, 36673, 36674, 36675, 36676, 36677, 36678, 36679, 36680, 36681, 36682, 36683, 36684, 36685, 36686, 36687, 36688, 36689, 36693, 36694, 36836, 36837.
Hipposideros beatus (K. Andersen, 1906):
RBINS: 13767, 13769, 13770, 13771, 13772, 13773, 4037, 4038, 4039, 4040, 4041, 4042, 4043. - **RMCA:** 36690.
Hipposideros caffer (Sundevall, 1846):
RBINS: 13797.1, 13797.2, 13797.3, 13798.1, 13798.2, 13799. - **RMCA:** 36816, 36817, 36825.

Hipposideros ruber (Noack, 1893):
RBINS: 13749.1, 13749.2, 13749.3, 13749.4, 13749.5, 13750, 13751.01, 13751.02, 13751.03, 13751.04, 13751.05, 13751.06, 13751.07, 13751.08, 13751.09, 13751.10, 13752.01, 13752.02, 13752.03, 13752.04, 13752.05, 13752.06, 13752.07, 13752.08, 13752.09, 13752.10, 13753.01, 13753.02, 13753.03, 13753.04, 13753.05, 13753.06, 13753.07, 13753.08, 13753.09, 13753.10, 13754.01, 13754.02, 13754.03, 13754.04, 13754.05, 13754.06, 13754.07, 13754.08, 13754.09, 13754.10, 13755.01, 13755.02, 13755.03, 13755.04, 13755.05, 13755.06, 13755.07, 13755.08, 13755.09, 13755.10, 13756.01, 13756.02, 13756.03, 13756.04, 13756.05, 13756.06, 13756.07, 13756.08, 13756.09, 13756.10, 13757.01, 13757.02, 13757.03, 13757.04, 13757.05, 13757.06, 13757.07, 13757.08, 13757.09, 13757.10, 13758.01, 13758.02, 13758.03, 13758.04, 13758.05, 13758.06, 13758.07, 13758.08, 13758.09, 13758.10, 13758.11, 13765.01, 13765.02, 13765.03, 13765.04, 13765.05, 13765.06, 13765.07, 13765.08, 13765.09, 13765.10, 13765.11. - **RMCA:** 36711, 36746, 36747, 36748, 36749, 36750, 36751, 36752, 36753, 36754, 36755, 36756, 36757, 36758, 36759, 36760, 36761, 36762, 36763, 36764, 36765, 36766, 36767, 36768, 36769, 36770, 36771, 36772, 36773, 36774, 36775, 36776, 36777, 36778, 36779, 36780, 36781, 36782, 36783, 36784, 36785, 36786, 36787, 36788, 36789, 36790, 36791, 36792, 36793, 36794, 36795, 36796, 36797, 36798, 36799, 36802, 36803, 36804, 36805, 36806, 36807.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 13653, 13654.
Micropteropus pusillus (Peters, 1868):
RMCA: 36554.
Neoromicia nana (Peters, 1852):
RBINS: 13863.1, 13863.2.
Nycteris arge Thomas, 1903:
RBINS: 13545.1, 13545.2, 13546, 13547. - **RMCA:** 36556, 36557.
Nycteris grandis Peters, 1865:
RBINS: 13620. - **RMCA:** 36560.
Nycteris hispida (Schreber, 1774):
RBINS: 13611, 13612.
Nycteris nana (K. Andersen, 1912):
INPBC: 4779.2.3. - **RBINS:** 13558.1, 13558.2, 13559.1, 13559.2, 13560, 13561.1, 13561.2, 13563, 13564, 13565.1, 13565.2, 14258B, 19258A. - **RMCA:** 36604, 36605, 36606, 36607, 36608, 36609.
Rhinolophus lobatus Peters, 1852:
RBINS: 13664. - **RMCA:** 36832

NE 04029Dc:

Epomophorus labiatus (Temminck, 1837):
SMNS: 29870

NE 04029Bd:

Chaerephon aloysiisabaudiae (Festa, 1907):
RBINS: 13826.
Chaerephon major (Trouessart, 1897):
RBINS: 13784.
Doryrhina cyclops (Temminck, 1853):
RBINS: 13668.1, 13668.2.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 13650.1, 13650.2, 13651. - **RMCA:** 36946, 36947, 36948.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 14002.1, 14002.2, 14002.3, 14002.4, 14002.5, 14002.6, 14002.7, 14002.8. - **RMCA:** 36911, 36912.
Mops (Mops) demonstrator (Thomas, 1903):
RMCA: 36931.
Mops (Mops) midas (Sundevall, 1843):
RBINS: 13816.1, 13816.2, 13816.3, 13816.4, 13817.1, 13817.2, 13818.1, 13818.2, 13818.3. - **RMCA:** 36915, 36916, 36917, 36918, 36919, 36920, 36921, 36922, 36923.
Neoromicia Roberts, 1926:
RBINS: 13836.
Neoromicia capensis (A. Smith, 1829):
RBINS: 13847, 13848.1, 13848.2. - **RMCA:** 36863.
Nycteris grandis Peters, 1865:
RBINS: 13621.
Nycteris hispida (Schreber, 1774):
RBINS: 13603, 13606.1, 13606.2, 13607, 13608, 13613. - **RMCA:** 36588, 36589, 36590, 36598.
Nycteris nana (K. Andersen, 1912):
RBINS: 13557. - **RMCA:** 36602.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RBINS: 13622.
Rhinolophus fumigatus Rüppell, 1842:
RBINS: 13656, 13658, 13659.1, 13659.2, 13660.1, 13660.2, 13661, 13662.1, 13662.2, 13662.3, 13662.4. - **RMCA:** 36830, 36831.
Rhinolophus lobatus Peters, 1852:
RBINS: 13665. - **RMCA:** 36828, 36829.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
RBINS: 13535. - **RMCA:** 36845, 36846, 36847.
Taphozous perforatus sudani Thomas, 1915:
RBINS: 13540.1, 13540.2, 13541

NE 04029Db:

Doryrhina cyclops (Temminck, 1853):
RBINS: 13670, 13671, 13678.1, 13678.2.
Hipposideros beatus (K. Andersen, 1906):
RBINS: 13774, 4044. - **RMCA:** 36691, 36692.
Myonycteris torquata wroughtoni K. Andersen, 1908:
RBINS: 13525.
Nycteris arge Thomas, 1903:
INPBC: 4380.2. - **RBINS:** 13544. - **RMCA:** 36558, 36559.
Nycteris nana (K. Andersen, 1912):
RBINS: 13566.
Rhinolophus alcyone Temminck, 1853:
RBINS: 13667

NE 04030Ba:

Epomophorus labiatus (Temminck, 1837):
AMNH: 118581.
Micropteropus pusillus (Peters, 1868):
AMNH: 118582.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 118583. - **SMF:** 32790

NE 04031Ba:

Epomophorus Bennett, 1836:
USNM: 587620

NE 04031Dc:

Chaerephon major (Trouessart, 1897):
USNM: 166688.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 184395, 184400, 184401, 184406. - **FMNH:** 67336, 68123, 68124, 68125, 68126, 68127, 68128, 68129, 68130, 68131, 68132, 68133, 68163, 68164, 74148, 74149. - **USNM:** 164970, 164971, 164972, 166679, 166682, 166683, 166684, 166685, 166686, 166687, 317941.
Glauconycteris variegata (Tomes, 1861):
MSU: MR.33432, MR.33433, MR.33434.
Hipposideros caffer (Sundevall, 1846):
USNM: 164939, 164942, 164945, 164946, 164947, 164950, 164951, 164952, 166396, 166410, 166414, 166415, 166417, 166422, 166424, 166426, 166429, 166440, 166451, 166455, 166456, 166457, 166458, 166459, 166467, 166479, 166481, 166484, 166487. - **ZMB:** 42430, 67689.
Hipposideros ruber (Noack, 1893):
FMNH: 44124, 44174, 44175, 44176, 44177, 44178. - **MCZ:** 19401, 19402. - **USNM:** 164940, 164941, 164943, 164944, 164948, 164949, 164953, 164955, 164956, 164957, 164958, 164959, 164960, 164961, 164962, 164963, 166395, 166397, 166398, 166399, 166400, 166401, 166402, 166403, 166404, 166405, 166406, 166407, 166408, 166409, 166412, 166413, 166416, 166418, 166419, 166420, 166421, 166423, 166425, 166427, 166430, 166432, 166433, 166434, 166435, 166436, 166437, 166438, 166439, 166443, 166444, 166445, 166446, 166447, 166448, 166449, 166450, 166452, 166453, 166454, 166460, 166461, 166462, 166463, 166464, 166465, 166466, 166468, 166469, 166470, 166471, 166472, 166473, 166474, 166475, 166480, 166482, 166483, 166485, 166486.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 166622. - **ZMB:** 54346.
Micropteropus pusillus (Peters, 1868):
SMNS: 92818.
Neoromicia rendalli (Thomas, 1889):
BMNH: 1907.12.17.1, 1907.12.17.2. - **USNM:** 164973.
Nycteris macrotis Dobson, 1876:
SMNS: 29342, 31332, 31391. - **USNM:** 164969, 166516

NE 04031Db:

Neoromicia somalica (Thomas, 1901):
FMNH: 78752

NE 04032Ac:

Coleura afra (Peters, 1852):
FMNH: 79606.
Hipposideros ruber (Noack, 1893):
FMNH: 68115, 68116.
Micropteropus pusillus (Peters, 1868):
FMNH: 68029, 68030, 68175.
Rhinolophus eloquens K. Andersen, 1905:

FMNH: 68071, 79625.
Taphozous hamiltoni Thomas, 1920:
FMNH: 68096, 68097, 68098.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 68084, 68099, 68100, 68101, 68102, 68103, 68174

NE 04032Ab:

Mops (Mops) demonstrator (Thomas, 1903):
FMNH: 79612, 79613, 79614, 79615.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 56292.
Rhinolophus eloquens K. Andersen, 1905:
FMNH: 56291

NE 04032Ad:

Coleura afra (Peters, 1852):
FMNH: 67344, 67345, 67346, 67347, 67348, 68081, 68082, 68083, 68176, 77659, 77660, 77661, 77662, 77663, 77664, 78178, 78179.
Epomophorus labiatus (Temminck, 1837):
FMNH: 67493, 67494, 67495, 67496. - **USNM:** 368857, 368858.
Micropteropus pusillus (Peters, 1868):
FMNH: 67502, 67503, 67504, 67505, 67506. - **USNM:** 368859, 368860.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 67321, 67322, 68106, 68107, 68108, 77605.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 77668, 77669, 77670.
Rhinolophus landeri Martin, 1838:
FMNH: 78192.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 79604, 79605.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 77610, 77611, 77612, 77613, 77614, 77715, 77716, 77717, 77718, 78174

NE 04032Ba:

Cardioderma cor (Peters, 1872):
FMNH: 68045.
Chaerephon ansorgei (Thomas, 1913):
FMNH: 74144, 78753.
Epomophorus wahlbergi (Sundevall, 1846):
SMNS: 29854.
Hipposideros ruber (Noack, 1893):
FMNH: 108157, 108158, 108159, 108160, 108161.
Hipposideros tephrus (Cabrera, 1906):
FMNH: 78210, 78211.
Micropteropus pusillus (Peters, 1868):
FMNH: 108126.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 78173.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
FMNH: 108139, 108140, 108141, 108142, 68042, 68043, 68044, 77606, 78212, 78213, 78214, 78215, 78216, 79577, 79578, 79579, 79580, 79581, 79582, 79583, 79584, 79585, 79586, 79587. - **SMNS:** 29806.
Neoromicia helios (Heller, 1912):
FMNH: 79637.
Nycteris arge Thomas, 1903:
SMNS: 29343.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 74152, 74153, 79591.
Platymops setiger setiger (Peters, 1878):
FMNH: 74150, 78749, 78750, 79619, 79620.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 67500, 79552.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 78747, 79631, 79632, 79633, 79634.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 78196, 79553, 79554, 79621, 79622, 79623, 79624.
Rhinolophus landeri Martin, 1838:
FMNH: 108156.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 74154, 74155, 74156, 74157, 74158, 74159, 74160, 74161, 74162, 74163, 74164, 74165, 74166, 74167, 74168, 74169, 74170, 74171, 74172, 74173, 74174. - **SMNS:** 29805.
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):

FMNH: 74123, 74124, 74125, 74126, 74127, 74128, 74129, 74130, 74131, 74132, 74133, 74134, 74135, 74136, 74137, 74138, 74139, 74140

NE 04032Bc:

Cardioderma cor (Peters, 1872):
AMNH: 184498.
Chaerephon ansorgei (Thomas, 1913):
FMNH: 79611.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 184496. - **FMNH:** 73885, 74147, 78242, 79569, 79607.
Coleura afra (Peters, 1852):
AMNH: 184455.
Eidolon helvum (Kerr, 1792):
FMNH: 99252, 99253, 99254, 99255, 99256, 99257.
Epomophorus labiatus (Temminck, 1837):
FMNH: 143932, 66546, 66547, 66548, 66549, 66550, 66551, 66552, 66553, 66554, 66555, 66556, 66557, 66558, 66559, 66560, 66561, 66562, 66563, 66564, 66565, 66566, 66567, 66568, 66569, 66570, 66571, 66572, 66573, 66574, 66575, 66576, 66577, 66578, 66579, 66597, 66598, 66599, 66600, 66601, 66602, 67318, 68041. - **SMNS:** 29863, 29882. - **USNM:** 368844, 368845, 368846, 368847, 368848, 368849, 368850, 368851, 368852, 368853, 368854, 368855, 368856.
Hipposideros ruber (Noack, 1893):
FMNH: 66672, 77626, 77627, 77628, 78197, 78198, 78199, 78200, 78201, 78202, 78203, 78204, 78205, 78206. - **USNM:** 368918.
Hipposideros tephrus (Cabrera, 1906):
FMNH: 67491, 67510, 68117, 77623, 77629, 77654, 77655, 78208.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 153546, 66622, 66623, 66624, 66625, 66626, 66627, 66628, 66629, 66630, 66631, 66632, 66633, 66634, 66635, 66636, 66637, 66638, 66639, 66640, 66641, 66642, 66643, 66644, 66645, 66646, 66647, 66648, 66649, 66650, 66651, 66652, 66653, 66654, 66655, 66656, 66657, 66658, 66659, 66660, 67327, 67507, 67508. - **USNM:** 368894, 368895, 368896, 368897, 368898, 368899, 368900, 368901, 368902, 368903, 368904, 368905, 368906, 368907, 368908, 368909, 368910, 368911, 368912.
Micropteropus pusillus (Peters, 1868):
FMNH: 66580, 66581, 66582, 66583, 66584, 66585, 66586, 66587, 66588, 66589, 66590, 66591, 66592, 66593, 66594, 66595, 66596, 66603, 66604, 66605, 66606, 67501.
Mops (Mops) demonstrator (Thomas, 1903):
FMNH: 66678, 67511, 68118, 68119, 68120, 68121, 68165, 68166, 68167, 68168, 77649, 77650, 77651, 77652, 78240, 79568, 79570, 79571, 79573, 79576, 79608, 79609, 79610, 79616, 79617, 79618. - **USNM:** 368922.
Neoromicia capensis (A. Smith, 1829):
FMNH: 77634, 78226.
Neoromicia guineensis (Bocage, 1889):
FMNH: 66673, 67487, 68110, 77686, 78232, 79561, 79563.
Neoromicia helios (Heller, 1912):
AMNH: 184497. - **FMNH:** 66431, 66432, 66674, 68109, 77632, 77633, 77640, 77641, 77693, 77694, 77695, 77696, 77697, 77698, 77699, 77700, 78481, 78482, 78486, 78487, 79560, 79648, 79649, 79650, 79651, 79652, 79653, 79654, 79655, 79656, 79657, 79658, 79659, 79660, 79661, 79662, 79663, 79664, 79665, 79666, 79667, 79668.
Neoromicia nana (Peters, 1852):
FMNH: 68112, 68113. - **USNM:** 368919.
Neoromicia somalica (Thomas, 1901):
FMNH: 67489, 67490, 77635, 77702, 77703, 77704, 77705, 77707, 77708, 78754, 79669. - **USNM:** 368920.
Neoromicia zuluensis (Roberts, 1924):
FMNH: 67488. - **USNM:** 368921.
Nycteris hispida (Schreber, 1774):
AMNH: 184499, 184500, 184501, 184502, 184503, 184504, 184505, 184506, 184507, 184508, 184509. - **FMNH:** 66617, 66618, 66619, 66620, 66621, 67492, 68150, 68151, 68156, 68157, 68158, 68159, 68162. - **USNM:** 368881. - **ZMUC:** 3186.
Nycteris macrotis Dobson, 1876:
FMNH: 66615, 68134, 79556. - **ZMUC:** 3187.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 66616, 67340, 68138, 68139, 68140, 68141, 68161, 77616, 77617, 77618, 77665, 77666, 77667, 79555, 79557. - **SMNS:** 29332. - **ZMUC:** 3160, 3162, 3164, 3166, 3167, 3170, 3171, 3175, 3179, 3180, 3181, 3188, 3189.
Pipistrellus rueppellii fuscipes Thomas, 1913:
AMNH: 184463.
Pipistrellus rusticus (Tomes, 1861):
FMNH: 68111, 77701, 78483, 78484, 78485.
Rhinolophus eloquens K. Andersen, 1905:
FMNH: 66665, 66666, 66667, 66668, 66669, 66670, 66671, 67497, 67498, 67499, 68056, 68057, 68058, 68059, 68060, 68061, 68062, 68063, 68064, 68065, 68066, 68067, 68068, 68069, 68170, 68171, 73881, 73882, 77620. - **USNM:** 317908.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 368913, 368914, 368915.
Rhinolophus landeri Martin, 1838:
FMNH: 67323, 67324, 67325, 67326, 67509, 68072, 68073, 68074, 68075, 68076, 68077, 68078, 68079, 68080, 68169, 74151. - **USNM:** 368916.
Scotoecus hindei Thomas, 1901:
FMNH: 77653.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 78220, 78494, 79601, 79602, 79603.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 66608, 66609, 66610.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 77713, 77714

NE 04032Dc:

Cardioderma cor (Peters, 1872):
FMNH: 67328, 67329.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 67338, 68135, 68136, 68137

NE 04032Bb:

Chaerephon bivittatus (Heuglin, 1861):
FMNH: 73883, 74145, 74146.
Coleura afra (Peters, 1852):
FMNH: 78180, 78181, 78182, 78183, 78184, 78185, 78186, 78187, 78188. - **USNM:** 368867.
Epomophorus gambianus (Ogilby, 1835):
SMNS: 29865, 29886.
Epomophorus labiatus (Temminck, 1837):
SMNS: 29885.
Epomophorus wahlbergi (Sundevall, 1846):
SMNS: 31357.
Hipposideros ruber (Noack, 1893):
FMNH: 77622, 78207.
Micropteropus pusillus (Peters, 1868):
FMNH: 68031, 68032, 68033, 68034, 68035, 68036, 68037, 68038, 68039. - **SMNS:** 29821, 29822, 29823, 29831, 29844, 29846.
Mimetillus moloneyi (Thomas, 1891):
FMNH: 73884.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 108169, 108170, 108171, 78171, 78172.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
FMNH: 108136, 108137, 108138. - **SMNS:** 29802.
Myotis welwitschii (Gray, 1866):
SMNS: 29988.
Neoromicia guineensis (Bocage, 1889):
FMNH: 77639.
Neoromicia nana (Peters, 1852):
FMNH: 108164, 77630, 77631, 77687, 77688, 77689, 77690, 79638, 79639, 79640, 79641, 79642, 79643, 79644, 79645, 79646, 79647.
Neoromicia somalica (Thomas, 1901):
FMNH: 78488.
Nycteris macrotis Dobson, 1876:
SMNS: 2114, 29339.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMNS: 29334, 29337. - **ZMUC:** 3176.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 108165, 108166, 108167, 78478, 78479, 78480, 79562.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 108146, 108147, 108148, 108149, 108150, 108151, 78469, 78470, 78471, 78472, 78473, 78474, 79630.
Rhinolophus eloquens K. Andersen, 1905:
FMNH: 78195.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 78194.
Rhinolophus landeri Martin, 1838:
FMNH: 108152, 108153, 108154, 108155, 78193, 79546.
Rhinolophus simulator K. Andersen, 1904:
FMNH: 78475.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 108130, 108131, 108132, 108133, 108134, 108135, 81546.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 78218.
Stenonycteris lanosus (Thomas, 1906):
SMNS: 29801, 29803, 29804, 29807, 29809, 29810, 29811, 29812, 29813, 29814, 29815.
Tadarida ventralis (Heuglin, 1861):
FMNH: 73886, 73887, 74141, 74142, 74143.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 68085, 78175, 78176, 78177, 78491, 78492, 78493.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 368870, 368871, 368872, 368873, 368874, 368875

NE 04032Bd:

Coleura afra (Peters, 1852):
FMNH: 67486.
Hipposideros caffer (Sundevall, 1846):
USNM: 368917.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
FMNH: 67162.
Neoromicia helios (Heller, 1912):
FMNH: 77638, 77678, 77679, 77680, 77681, 77682, 77683, 77684, 77685.
Nycteris hispida (Schreber, 1774):
FMNH: 68152, 68153, 68154, 68155.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 68142.
Taphozous hamiltoni Thomas, 1920:
FMNH: 67311, 77607, 77608, 77609, 77709, 77710, 77711, 77712.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 67163, 67164, 67165, 67166, 67167, 67466, 67467, 67468, 67469, 67470, 67471, 67472, 67473, 67474, 67475, 67476, 67477, 67478, 67479, 67480, 67481, 67482, 67483, 67484, 67485.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
USNM: 368876, 368877, 368878, 368879

NE 04032Db:

Rhinolophus fumigatus Rüppell, 1842:
FMNH: 68070.
Taphozous hamiltoni Thomas, 1920:
FMNH: 68093, 68094, 68095

NE 04033Aa:

Cardioderma cor (Peters, 1872):
FMNH: 66661, 66662, 66663, 66664. - **USNM:** 368892, 368893.
Chaerephon bivittatus (Heuglin, 1861):
FMNH: 78489, 78490, 79572, 79574, 79575.
Epomophorus labiatus (Temminck, 1837):
FMNH: 67161, 67314, 67315, 67316, 67317, 68040.
Hipposideros tephrus (Cabrera, 1906):
FMNH: 77624, 77625, 77656, 77657, 77658.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 78495, 79558.
Taphozous hamiltoni Thomas, 1920:
FMNH: 66611, 66612, 66613. - **USNM:** 368868

NE 04033Ac:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMUC: 3172, 3177, 3178

NE 04033Ca:

Neoromicia helios (Heller, 1912):
FMNH: 77642, 77706.
Nycteris hispida (Schreber, 1774):
FMNH: 77677

NE 04033Ad:

Cardioderma cor (Peters, 1872):
FMNH: 67330, 67331, 68046, 68047.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 67337

NE 04033Ba:

Nycteris macrotis Dobson, 1876:
FMNH: 78189.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 78219

NE 04033Bc:

Epomophorus labiatus (Temminck, 1837):
SMNS: 29872, 29873, 29884.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
SMNS: 29800.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:

ZMUC: 3168.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 77691, 77692.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 77648, 79551.
Rhinolophus eloquens K. Andersen, 1905:
FMNH: 77621, 77644, 77645, 77646, 77647.
Rhinolophus landeri Martin, 1838:
FMNH: 77643, 79547, 79548, 79549, 79550, 79626, 79627, 79628, 79629

NE 04033Dc:

Cardioderma cor (Peters, 1872):
FMNH: 79589.
Epomophorus labiatus (Temminck, 1837):
SMNS: 29864, 29883.
Nycteris aurita (K. Andersen, 1912):
USNM: 317906, 317907.
Nycteris hispida (Schreber, 1774):
FMNH: 85447.
Rhinolophus eloquens K. Andersen, 1905:
FMNH: 85446

NE 04035Dd:

Cardioderma cor (Peters, 1872):
USNM: 520898, 520899.
Epomophorus minimus Claessen & De Vree, 1991:
USNM: 548508.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 520900, 520901.
Micropteropus pusillus (Peters, 1868):
USNM: 520893, 520894

NE 04036Ca:

Nycteris parisii (de Beaux, 1924):
BMNH: 1971.604

NE 04036Db:

Epomophorus minimus Claessen & De Vree, 1991:
SMNS: 29895.
Epomophorus minor Dobson, 1880:
SMNS: 29896.
Micropteropus pusillus (Peters, 1868):
SMNS: 29841

NE 04038Ad:

Macronycteris vittatus (Peters, 1852):
ZMB: 67767, 67768

NE 04040Ba:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1954.950

NE 04042Aa:

Cardioderma cor (Peters, 1872):
USNM: 589152

NE 04046Da:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
TM: 12834, 12835, 12836, 12837, 12838, 12839.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MSNM: 1033

NE 03008Bc:

Eidolon helvum (Kerr, 1792):

BMNH: 1904.7.1.12, 1904.7.1.13, 1904.7.1.15, 1904.7.1.17, 1904.7.1.18, 1904.7.1.19, 1904.7.1.20, 1904.7.1.21, 1904.7.1.22, 1904.7.1.23, 1904.7.1.24, 1904.7.1.25, 1904.7.1.26, 1904.7.1.27. - **SMF:** 12436.
Hypsignathus monstrosus H. Allen, 1862:
NMW: B4781, B4782.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
USNM: 395720, 395721.
Mops (Xiphonycteris) thersites (Thomas, 1903):
MSB: 25208, 25209, 25210, 25211.
Myonycteris angolensis (Bocage, 1898):
AMNH: 206953.
Myonycteris torquata (Dobson, 1878):
ZMB: 58892.
Pipistrellus nanulus Thomas, 1904:
ZFMK: 1964.0320.
Rhinolophus landeri Martin, 1838:
MSB: 25207.
Scotonycteris zenkeri Matschie, 1894:
ZFMK: 1964.0360, 1964.0361, 1964.0362, 1964.0364, 1964.0366, 1964.0367, 1964.0368, 1964.0369, 1964.0370, 1964.0371

NE 03008Da:

Doryrhina cyclops (Temminck, 1853):
AMNH: 183826.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1995-618.
Hipposideros ruber (Noack, 1893):
SMF: 22049.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
AMNH: 185331. - **SMF:** 22023.
Myonycteris angolensis (Bocage, 1898):
MNCN: 54.
Myonycteris angolensis angolensis (Bocage, 1898):
MNCN: 53 / 20-II-25-5.
Myonycteris torquata (Dobson, 1878):
ZMB: 67197.
Nycteris hispida (Schreber, 1774):
BMNH: ?, 1855.12.26.252.
Pipistrellus nanulus Thomas, 1904:
AMNH: 185329, 185612. - **ZFMK:** 106.
Rhinolophus alcyone Temminck, 1853:
AMNH: 206954, 206955. - **SMF:** 22048, 42318, 42319, 42320, 42321.
Rhinolophus landeri Martin, 1838:
AMNH: 185330. - **BMNH:** 1855.12.26.250.
Scotonycteris zenkeri Matschie, 1894:
SMF: 56874.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 182550. - **ZMB:** 4953

NE 03008Dc:

Hipposideros ruber (Noack, 1893):
EBD: M815.
Myonycteris angolensis (Bocage, 1898):
BMNH: 1960.242, 1960.243

NE 03008Bd:

Eidolon helvum (Kerr, 1792):
USNM: 141529.
Nycteris arge Thomas, 1903:
BMNH: 1904.7.1.37

NE 03009Cc:

Doryrhina cyclops (Temminck, 1853):
ROM: 39052.
Eidolon helvum (Kerr, 1792):
ZMB: 54674, 67046, 67144, 67145, 93797, 93798, 93799, 93800, 93801.
Eidolon helvum helvum (Kerr, 1792):
ROM: 50866, 50867, 50868, 50869, 50870, 50871.
Hipposideros caffer (Sundevall, 1846):
ROM: 36149, 39074, 39075, 39077, 39078, 39079, 39080, 39081, 39082, 39083, 39084, 39085, 39086, 39087, 39088, 39089, 39090, 39091, 39092, 39093, 39094, 39095, 39096, 39097, 39098, 39099, 39100, 39101, 39102, 39103, 39104, 39105, 39106, 39107, 39108, 39109, 39110.
Macronycteris vittatus (Peters, 1852):

ROM: 55770.
Myonycteris angolensis (Bocage, 1898):
ROM: 39111, 55764, 55765, 55766, 55767, 55768, 55769. - **ZMB:** 67159, 67160, 67161, 67162, 67163, 67164, 67165, 67166, 67167, 67168.
Myonycteris angolensis angolensis (Bocage, 1898):
ZMB: 93792, 93793, 93794, 93795.
Nycteris arge Thomas, 1903:
BMNH: 1966.3553

NE 03009Bb:

Epomops franqueti (Tomes, 1860):
ROM: 56265, 56270, 56279. - **ZMB:** 54933.
Hipposideros beatus (K. Andersen, 1906):
ROM: 56260.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 56264.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 56261, 56262, 56263.
Nycteris grandis Peters, 1865:
ROM: 56267, 56268, 56269.
Nycteris nana (K. Andersen, 1912):
ROM: 56273.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 56274

NE 03009Bd:

Doryrhina cyclops (Temminck, 1853):
USNM: 511925, 511951, 511952, 511953.
Epomops franqueti (Tomes, 1860):
USNM: 511906, 511907, 511942, 511943, 511944.
Megaloglossus woermanni Pagenstecher, 1885:
USNM: 511910, 511911, 511946, 511947, 511948.
Myonycteris torquata (Dobson, 1878):
USNM: 511901.
Nycteris arge Thomas, 1903:
USNM: 511914

NE 03009Db:

Doryrhina cyclops (Temminck, 1853):
MSB: 37653, 37692, 37693, 37694, 37695, 37696, 37697, 37698, 37699, 37700, 37701, 37702, 37703, 37704, 37705, 37706, 37707.
Glauconycteris poensis (Gray, 1842):
MSB: 37708.
Hipposideros beatus (K. Andersen, 1906):
MSB: 37711, 37712, 37713, 37714, 37715. - **USNM:** 514675, 514676.
Kerivoula phalaena Thomas, 1912:
USNM: 514677.
Macronycteris gigas (Wagner, 1845):
MSB: 37652.
Megaloglossus woermanni Pagenstecher, 1885:
MSB: 37691. - **USNM:** 514674.
Nycteris grandis Peters, 1865:
MSB: 37709, 37710.
Scotonycteris zenkeri Matschie, 1894:
MSB: 37654, 37655, 37656, 37658, 37689, 37690. - **USNM:** 514673

NE 03010Ca:

Coleura afra (Peters, 1852):
GV: CM-ECO6308, CM-ECO6309

NE 03010Cc:

Chaerephon pumilus (Cretzschmar, 1826):
ZMB: T10304.
Eidolon helvum (Kerr, 1792):
FMNH: 24247.
Kerivoula phalaena Thomas, 1912:
ZMB: 67807, 67808.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 54846.
Neoromicia brunnea (Thomas, 1880):

ZMB: T10307.
Nycteris arge Thomas, 1903:
FMNH: 24245.
Nycteris hispida (Schreber, 1774):
FMNH: 24246. - **ZMB:** T10306

NE 03010Ab:

Doryrhina cyclops (Temminck, 1853):
AMNH: 89560, 89561, 89562.
Epomops franqueti (Tomes, 1860):
ROM: 56252. - **ZMB:** 1128.
Glauconycteris argentata (Dobson, 1875):
ROM: 56242.
Glauconycteris curryae Eger and Schlitter, 2001:
ROM: 56243.
Hipposideros ruber (Noack, 1893):
AMNH: 89564.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 56249.
Megaloglossus woermanni Pagenstecher, 1885:
ROM: 56254.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
ROM: 56253.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 56244, 56245, 56246, 56247, 56248.
Nycteris hispida (Schreber, 1774):
AMNH: 89563.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 56250, 56251, 56255

NE 03010Ba:

Casinycteris ophiodon (Pohle, 1943):
ZMB: 50001.
Chaerephon pumilus (Cretzschmar, 1826):
ZMB: T09571, T09572.
Doryrhina cyclops (Temminck, 1853):
ZMB: 67752, 67753, 67754, 67755, 67756, 67757, 67758, T10541.
Eidolon helvum (Kerr, 1792):
CM: 16059. - **ZMB:** 10202, 67142, 67143.
Epomops franqueti (Tomes, 1860):
CM: 13172, 13173, 16060, 2869, 3026, 3920, 4617, 4622, 5627, 6135, 6136, 6137. - **ZMB:** 11280, 40160, 40161, 54198, 54934, 67098, 67101, 67104, 67105.
Hipposideros caffer (Sundevall, 1846):
ZMB: 10166, 10167, 67704, 67705, 67706.
Hipposideros fuliginosus (Temminck, 1853):
ZMB: 55575, 55576, 67698.
Hypsignathus monstrosus H. Allen, 1862:
ZMB: 40163, 54410, 67122, 67128, 67129, 67131, 67134, 67157, 6942.
Macronycteris vittatus (Peters, 1852):
ZMB: 21671.
Megaloglossus woermanni Pagenstecher, 1885:
CM: 16062, 3674, 3675, 3676, 3677, 3678, 3679, 3680. - **ZMB:** 40162.
Mimetillus moloneyi (Thomas, 1891):
ZMB: 54282.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
MCZ: 37735.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ZMB: T10542.
Myonycteris torquata (Dobson, 1878):
CM: 3651.
Nycteris arge Thomas, 1903:
ZMB: 53848.
Nycteris grandis Peters, 1865:
ROM: 56239, 56240, 56241.
Rhinolophus landeri Martin, 1838:
MCZ: 34031.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
CM: 3928, 4637. - **ZMB:** 54691, 54699.
Scotonycteris zenkeri Matschie, 1894:
ZMB: 54390

NE 03010Bd:

Epomops franqueti (Tomes, 1860):
ROM: 39387, 39388, 39389, 39390, 39391.
Hipposideros beatus (K. Andersen, 1906):
ROM: 39392.
Myonycteris torquata torquata (Dobson, 1878):
ROM: 39393.
Neoromicia nana (Peters, 1852):
CM: 16082, 2992.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 39394

NE 03010Db:

Doryrhina cyclops (Temminck, 1853):
AMNH: 236307, 236308, 236309, 236310, 236311, 236312, 236313, 236314, 236315, 236316.
Eidolon helvum (Kerr, 1792):
AMNH: 326280. - **CM:** 40990. - **RMCA:** 75.003-M-0131.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 236280, 236281, 236282.
Epomops franqueti (Tomes, 1860):
AMNH: 236257, 236258, 236259, 236260, 236261, 236262, 236263, 236264, 236265, 236266, 236267, 236268, 236269, 238280. - **CM:** 40978. - **RMCA:** 75.003-M-0001, 75.003-M-0002, 75.003-M-0003, 75.003-M-0004, 75.003-M-0005, 75.003-M-0006, 75.003-M-0007, 75.003-M-0008, 75.003-M-0009, 75.003-M-0010, 75.003-M-0011, 75.003-M-0012, 75.003-M-0013, 75.003-M-0014, 75.003-M-0015, 75.003-M-0016, 75.003-M-0017, 75.003-M-0018, 75.003-M-0019, 75.003-M-0020, 75.003-M-0021, 75.003-M-0022, 75.003-M-0023, 75.003-M-0024, 75.003-M-0132, 75.003-M-0133, 75.004-M-0001, 75.004-M-0002, 75.004-M-0003, 75.004-M-0004.
Glauconycteris alboguttata J.A. Allen, 1917:
AMNH: 236329.
Glauconycteris argentata (Dobson, 1875):
AMNH: 236324, 236325, 236326, 236327, 236328.
Glauconycteris curryae Eger and Schlitter, 2001:
AMNH: 236323.
Hipposideros ruber (Noack, 1893):
AMNH: 236299, 236300, 236301, 236302, 236303, 238282.
Hypsignathus monstrosus H. Allen, 1862:
AMNH: 236270, 236271, 236272, 236273, 236274. - **CM:** 40981.
Hypsugo crassulus (Thomas, 1904):
CM: 58578.
Megaloglossus woermanni Pagenstecher, 1885:
AMNH: 236283, 236284, 236285, 236286, 236287, 236288, 236289, 236290, 236291, 236292, 236293. - **CM:** 40994, 40995, 40996, 40997.
Micropteropus pusillus (Peters, 1868):
AMNH: 236277.
Mimetillus moloneyi (Thomas, 1891):
AMNH: 236321, 241050. - **TTU:** 17997.
Mops (Xiphonycteris) petersoni (El Rayah, 1981):
AMNH: 236331, 236332, 236333, 236335.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
AMNH: 236330.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 236334, 236336, 236337, 236338, 236339, 236340, 236341, 236342, 236343, 236344, 236345, 236346, 236347. - **TTU:** 18022, 18023.
Myonycteris torquata (Dobson, 1878):
AMNH: 236236, 236237, 236238, 236239, 236240, 236241, 236242, 236243, 236244, 236245, 236246, 236247, 236248, 236249, 236250, 236251, 236252, 236253, 236254, 236255, 236256, 238279. - **CM:** 40949, 40950, 40951, 40953, 40954, 40955, 40956, 40957.
Neoromicia brunnea (Thomas, 1880):
AMNH: 236320. - **CM:** 41051, 58500, 58501.
Neoromicia nana (Peters, 1852):
AMNH: 236319. - **CM:** 58583.
Nycteris arge Thomas, 1903:
AMNH: 236295.
Nycteris hispida (Schreber, 1774):
AMNH: 236296. - **RMCA:** 75.003-M-0099.
Nycteris macrotis Dobson, 1876:
AMNH: 236297, 238281.
Pipistrellus nanulus Thomas, 1904:
AMNH: 236317, 236318.
Rhinolophus alcyone Temminck, 1853:
AMNH: 236298.
Scotonycteris zenkeri Matschie, 1894:
AMNH: 236275, 236276. - **RMCA:** 75.003-M-0081.

Scotophilus nux Thomas, 1904:
AMNH: 236322.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 236294

NE 03011Ac:

Epomops franqueti (Tomes, 1860):
ROM: 56206, 56210.
Hipposideros caffer (Sundevall, 1846):
ROM: 56212, 56213, 56214, 56215, 56216, 56218, 56219, 56220, 56221, 56222, 56223.
Myonycteris angolensis (Bocage, 1898):
ROM: 56208, 56209, 56225.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 56211.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 56207, 56226, 56227, 56228

NE 03011Ad:

Doryrhina cyclops (Temminck, 1853):
ROM: 56173, 56174.
Epomops franqueti (Tomes, 1860):
RMCA: 73.018-M-0028, 73.018-M-0029, 73.018-M-0030, 73.018-M-0031, 73.018-M-0032, 73.018-M-0033, 73.018-M-0228, 73.029-M-0048, 73.029-M-0049, 73.029-M-0050, 73.029-M-0051, 73.029-M-0052, 73.029-M-0053, 73.029-M-0054, 73.029-M-0055.
Hipposideros caffer (Sundevall, 1846):
ROM: 57225.
Macronycteris vittatus (Peters, 1852):
ROM: 56183.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 73.018-M-0075, 73.029-M-0006.
Mops (Mops) congicus J.A. Allen, 1917:
ROM: 56184.
Scotonycteris zenkeri Matschie, 1894:
RMCA: 73.029-M-0004

NE 03011Cb:

Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1985-497

NE 03011Cd:

Megaloglossus woermanni Pagenstecher, 1885:
MNHN: ZM-MO-1979-176.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1979-239.
Neoromicia brunnea (Thomas, 1880):
CM: 58502, 58503, 58504, 58505, 58506, 58507, 58508, 58509, 58510, 58511, 58512.
Neoromicia nana (Peters, 1852):
CM: 58584, 58586, 58587, 58588, 58589, 58590.
Neoromicia tenuipinnis (Peters, 1872):
CM: 58521, 58522, 58523, 58524, 58525.
Pipistrellus nanulus Thomas, 1904:
CM: 58580, 58581

NE 03011Bc:

Doryrhina cyclops (Temminck, 1853):
AMNH: 54434.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 200547.
Epomops franqueti (Tomes, 1860):
ROM: 56170, 56171, 56172, 56191, 56192, 56193, 56194, 56199, 56200, 56201, 56202, 56203.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 56169.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ROM: 56168.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 56164, 56165, 56166, 56187, 56188, 56189, 56190, 56195.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 56167.
Nycteris arge Thomas, 1903:
MCZ: 14859.

Nycteris nana (K. Andersen, 1912):
MCZ: 14854.
Rhinolophus alcyone Temminck, 1853:
ROM: 56181, 56182.
Scotonycteris zenkeri Matschie, 1894:
ROM: 56185, 56186

NE 03011Da:

Hipposideros ruber (Noack, 1893):
MCZ: 14822, 14823, 14824, 14825, 14826, 14827, 14828, 14829, 14830, 14831, 14832, 14833, 14834, 14835, 14836, 14837, 14838.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 33505.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
MCZ: 14852.
Neoromicia brunnea (Thomas, 1880):
CM: 58513.
Neoromicia nana (Peters, 1852):
CM: 58591, 58592, 58593, 58594.
Neoromicia tenuipinnis (Peters, 1872):
CM: 58526, 58527, 58528, 58529, 58530, 58531, 58532, 58533.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1983-1262, ZM-MO-1983-1263, ZM-MO-1983-1264, ZM-MO-1983-1265, ZM-MO-1983-1266, ZM-MO-1983-1280, ZM-MO-1983-1281, ZM-MO-1983-1282, ZM-MO-1983-1283

NE 03011Dc:

Eidolon helvum (Kerr, 1792):
ZMB: 10218.
Eidolon helvum helvum (Kerr, 1792):
MNHN: ZM-MO-1979-322.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1979-182, ZM-MO-1979-186, ZM-MO-1979-187, ZM-MO-1979-188, ZM-MO-1979-189, ZM-MO-1979-190, ZM-MO-1979-191, ZM-MO-1979-192, ZM-MO-1979-196, ZM-MO-1979-197, ZM-MO-1979-199, ZM-MO-1979-200, ZM-MO-1979-201, ZM-MO-1979-202, ZM-MO-1979-203, ZM-MO-1979-204, ZM-MO-1979-205, ZM-MO-1979-206, ZM-MO-1979-207, ZM-MO-1983-1168, ZM-MO-1983-1169, ZM-MO-1983-1228. - **RMCA:** 73.029-M-0043. - **ZMB:** 10026, 10029, 54520.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1983-1014. - **ZMB:** 8424.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1983-1015, ZM-MO-1983-1017, ZM-MO-1983-1018, ZM-MO-1983-1019, ZM-MO-1983-1020, ZM-MO-1983-1021, ZM-MO-1983-1022, ZM-MO-1983-1023, ZM-MO-1983-1024, ZM-MO-1983-1025, ZM-MO-1983-1026, ZM-MO-1983-1027.
Hypsignathus monstrosus H. Allen, 1862:
AMNH: 114208. - **MNHN:** ZM-MO-1979-313. - **ZMB:** 54697, 9010.
Megaloglossus woermanni Pagenstecher, 1885:
MNHN: ZM-MO-1979-178.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1979-225, ZM-MO-1979-226, ZM-MO-1979-231, ZM-MO-1979-234, ZM-MO-1979-244, ZM-MO-1979-245, ZM-MO-1979-249, ZM-MO-1979-250, ZM-MO-1979-251, ZM-MO-1979-253, ZM-MO-1979-255, ZM-MO-1979-257, ZM-MO-1979-258, ZM-MO-1979-260, ZM-MO-1979-263, ZM-MO-1979-268, ZM-MO-1979-273.
Myonycteris torquata (Dobson, 1878):
MNHN: ZM-2006-185, ZM-MO-1979-286, ZM-MO-1979-287, ZM-MO-1979-288, ZM-MO-1979-289, ZM-MO-1979-290, ZM-MO-1979-291, ZM-MO-1979-293, ZM-MO-1979-294, ZM-MO-1979-295, ZM-MO-1979-296, ZM-MO-1979-297, ZM-MO-1979-298, ZM-MO-1979-299, ZM-MO-1979-300, ZM-MO-1979-301, ZM-MO-1979-302, ZM-MO-1979-303, ZM-MO-1979-304, ZM-MO-1979-305, ZM-MO-1979-306, ZM-MO-1979-307, ZM-MO-1979-308, ZM-MO-1979-309, ZM-MO-1979-310, ZM-MO-1984-517, ZM-MO-1993-4619.
Myotis bocagii (Peters, 1870):
RMCA: 33620.
Nycteris macrotis Dobson, 1876:
ZMB: T10022.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1979-334, ZM-MO-1979-335, ZM-MO-1979-336, ZM-MO-1979-337, ZM-MO-1979-338, ZM-MO-1979-339, ZM-MO-1979-340, ZM-MO-1979-341, ZM-MO-1979-342. - **ZMB:** 10239.
Saccolaimus peli (Temminck, 1853):
ZMB: T10017.
Scotonycteris zenkeri Matschie, 1894:
ZMB: 66533

NE 03011Bd:

Doryrhina cyclops (Temminck, 1853):
MCZ: 14793, 14794, 14795.
Eidolon helvum (Kerr, 1792):
MCZ: 14779, 14780, 14781, 14782, 14784, 14785, 14786, 14787, 14788, 14789.

Epomops franqueti (Tomes, 1860):
MCZ: 14642, 14777, 14778, 17540, 17541.
Hipposideros beatus (K. Andersen, 1906):
MCZ: 14821.
Hipposideros caffer (Sundevall, 1846):
ROM: 54922, 54923, 54924, 54925.
Hipposideros curtus G.M. Allen, 1921:
ROM: 54916, 54917, 54918, 54919, 54920, 54921.
Hipposideros ruber (Noack, 1893):
FMNH: 124186. - **MCZ:** 14797, 14798, 14799, 14800, 14801, 14802, 14803, 14804, 14805.
Neoromicia brunnea (Thomas, 1880):
MCZ: 14839.
Nycteris grandis Peters, 1865:
MCZ: 14640, 14641.
Nycteris hispida (Schreber, 1774):
MCZ: 14853, 14855, 14856, 14857, 14858

NE 03011Db:

Chaerephon russatus J.A. Allen, 1917:
ROM: 57184, 57185, 57186.
Glauconycteris curryae Eger and Schlitter, 2001:
ROM: 57217.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 57227.
Macronycteris vittatus (Peters, 1852):
ROM: 57218.
Mimetillus moloneyi (Thomas, 1891):
ROM: 57064, 57065, 57066, 57068, 57164, 57165, 57166, 57167, 57210, 57211, 57212, 57213, 57214, 57215, 57220, 57221, 57222, 57223.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ROM: 57076.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ROM: 57075, 57201, 57202, 57204.
Mops (Xiphonycteris) petersoni (El Rayah, 1981):
ROM: 57219.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
ROM: 57035, 57036, 57037, 57038, 57039, 57040, 57041, 57042, 57043, 57044, 57045, 57046, 57047, 57048, 57049, 57050, 57051, 57052, 57053, 57054, 57055, 57056, 57057, 57058, 57059, 57060, 57061, 57062, 57063, 57074, 57168, 57169, 57170, 57171, 57172, 57173, 57174, 57175, 57176, 57177, 57178, 57179, 57180, 57181, 57182, 57203, 57205, 57206, 57207, 57208, 57209, 57236, 57237, 57238, 57239.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 57070, 57071, 57159, 57160, 57161, 57162, 57163, 57187, 57188, 57189, 57190, 57191, 57192, 57193, 57194, 57195, 57196.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 57158.
Pipistrellus nanulus Thomas, 1904:
ROM: 57216

NE 03012Ab:

Casinycteris argynnis Thomas, 1910:
BMNH: 1911.5.5.1.
Eidolon helvum (Kerr, 1792):
RMCA: 2625.
Epomops franqueti (Tomes, 1860):
BMNH: 1909.10.2.2, 1911.5.5.2, 1923.1.22.6, 1923.1.22.7. - **FMNH:** 29482. - **RMCA:** 1471, 1472, 1480, 1481, 1482.
Hipposideros ruber (Noack, 1893):
FMNH: 29483. - **MCZ:** 7076. - **RMCA:** 1475, 2640.
Hypsugo musciculus (Thomas, 1913):
BMNH: 1913.2.8.1, 1918.2.8.1, 1919.11.1.2, 1923.1.22.26, 1923.1.22.27.
Kerivoula cuprosa Thomas, 1912:
BMNH: 1912.10.25.1.
Kerivoula phalaena Thomas, 1912:
RMCA: 1473.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 1470.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 1479. - **ZMB:** 33340, 33341.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
BMNH: 1909.10.2.4. - **RMCA:** 1478. - **ZMB:** 33460.
Myonycteris torquata (Dobson, 1878):
BMNH: 1911.5.5.3, 1913.9.12.2. - **USNM:** 241112.
Neoromicia nana (Peters, 1852):
FMNH: 29484. - **MCZ:** 45117. - **RMCA:** 1474, 2641.

Neoromicia tenuipinnis (Peters, 1872):
MCZ: 17488. - **RMCA:** 2627. - **ZFMK:** 1979.0647.
Nycteris arge Thomas, 1903:
BMNH: 1908.6.23.3, 1914.7.23.7, 1923.1.22.17. - **RMCA:** 1476. - **ZMB:** 33342.
Nycteris grandis Peters, 1865:
BMNH: 1923.1.22.15, 1923.1.22.16, 1923.1.25.3, 1923.1.25.4. - **RMCA:** 1098.
Nycteris hispida (Schreber, 1774):
BMNH: 1914.1.24.8, 1923.1.22.18, 1923.1.22.19, 1923.1.22.20, 1923.1.25.2. - **RMCA:** 1097, 1477.
Nycteris nana (K. Andersen, 1912):
BMNH: 1914.1.24.7, 1919.11.1.1, 1923.1.22.21.
Scotonycteris zenkeri Matschie, 1894:
BMNH: 1926.11.11.1

NE 03012Cd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 54495

NE 03012Bc:

Epomops franqueti (Tomes, 1860):
ZMA: MAM.23525, MAM.23526, MAM.23527, MAM.23528, MAM.23529, MAM.23530, MAM.23531, MAM.23532, MAM.24105, MAM.24106, MAM.24107.
Hypsignathus monstrosus H. Allen, 1862:
ZMA: MAM.23520.
Megaloglossus woermanni Pagenstecher, 1885:
ZMA: MAM.23521, MAM.23522, MAM.23523, MAM.23524

NE 03012Dc:

Glauconycteris argentata (Dobson, 1875):
ZMB: 67657.
Myotis bocagii (Peters, 1870):
ZMB: 40656.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 54926, 54927.
Nycteris grandis Peters, 1865:
ROM: 57183.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1984-678

NE 03012Bd:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-2011-647.
Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-2011-654, ZM-2011-655, ZM-2011-656.
Megaloglossus woermanni Pagenstecher, 1885:
MNHN: ZM-2011-659, ZM-2011-660.
Nanonycteris veldkampii (Jentink, 1888):
MNHN: ZM-2011-670.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-2011-671, ZM-2011-672, ZM-2011-673

NE 03012Dd:

Hipposideros camerunensis Eisentraut, 1956:
AMNH: 236304.
Macronycteris gigas (Wagner, 1845):
AMNH: 236305, 236306

NE 03013Aa:

Nycteris major (K. Andersen, 1912):
BMNH: 1909.10.2.49

NE 03013Ca:

Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1985-1959

NE 03013Ba:

Epomops franqueti (Tomes, 1860):
RMCA: 75.056-M-0102, 75.056-M-0103. - **ROM:** 57137, 57138, 57139, 57140, 57141, 57142, 57143, 57147, 57155, 57156, 57157.
Glauconycteris gleni Peterson and Smith, 1973:
ROM: 57125.
Hipposideros caffer (Sundevall, 1846):
ROM: 57078, 57079, 57080, 57081, 57082, 57083, 57084, 57085, 57086, 57087, 57088, 57089, 57092, 57093, 57094, 57095, 57096, 57110, 57111, 57112, 57113, 57114, 57115, 57116, 57117, 57121.
Hipposideros ruber (Noack, 1893):
RMCA: 75.056-M-0104.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 57136.
Mimetillus moloneyi (Thomas, 1891):
ROM: 57124, 57126, 57127, 57153, 57154.
Mops (Mops) congicus J.A. Allen, 1917:
ROM: 57122.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 57123.
Myonycteris torquata torquata (Dobson, 1878):
ROM: 57148.
Myotis bocagii cupreolus Thomas, 1904:
ROM: 57128, 57129, 57144, 57145, 57151, 57152.
Neoromicia nana (Peters, 1852):
ROM: 57077, 57119, 57120, 57130, 57146.
Nycteris arge Thomas, 1903:
BMNH: 1937.8.4.13.
Nycteris hispida (Schreber, 1774):
ROM: 57118.
Scotophilus Leach, 1821:
ZMA: MAM.24591.
Scotophilus nux Thomas, 1904:
ZMA: MAM.24590

NE 03013Bc:

Epomops franqueti (Tomes, 1860):
RMCA: 75.056-M-0105, 75.056-M-0106, 75.056-M-0107, 75.056-M-0108, 75.056-M-0109, 75.056-M-0110, 75.056-M-0111, 75.056-M-0112, 75.056-M-0113, 75.056-M-0114, 75.056-M-0115, 75.056-M-0116, 75.056-M-0117, 75.056-M-0118, 75.056-M-0119, 75.056-M-0120.
Saccolaimus peli (Temminck, 1853):
AMNH: 90216, 90217, 90218, 90219, 90220, 90221, 90222, 90223

NE 03014Aa:

Epomops franqueti (Tomes, 1860):
RMCA: 77.032-M-0122, 77.032-M-0123, 77.032-M-0124, 77.032-M-0125, 77.032-M-0126, 77.032-M-0127, 77.032-M-0128, 77.032-M-0129, 77.032-M-0130, 77.032-M-0131, 77.032-M-0132, 77.032-M-0133, 77.032-M-0134, 77.032-M-0135, 77.032-M-0136, 77.032-M-0137, 77.032-M-0138, 77.032-M-0139, 77.032-M-0140, 77.032-M-0141, 77.032-M-0142, 77.032-M-0143.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 77.032-M-0177, 77.032-M-0178, 77.032-M-0179, 77.032-M-0180, 77.032-M-0181.
Myonycteris torquata (Dobson, 1878):
RMCA: 77.032-M-0167, 77.032-M-0168

NE 03014Ac:

Casinycteris argynnis Thomas, 1910:
RMCA: 75.056-M-0081, 75.056-M-0098.
Epomops franqueti (Tomes, 1860):
RMCA: 75.056-M-0077, 75.056-M-0078, 75.056-M-0079, 75.056-M-0080, 75.056-M-0084, 75.056-M-0085, 75.056-M-0088, 75.056-M-0089, 75.056-M-0090, 75.056-M-0091, 75.056-M-0092, 75.056-M-0094, 75.056-M-0099, 75.056-M-0100, 75.056-M-0101.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 75.056-M-0072, 75.056-M-0073, 75.056-M-0074, 75.056-M-0075, 75.056-M-0076, 75.056-M-0082, 75.056-M-0083, 75.056-M-0086, 75.056-M-0087, 75.056-M-0093, 75.056-M-0095, 75.056-M-0096, 75.056-M-0097

NE 03015Ca:

Nycteris gambiensis (K. Andersen, 1912):
MNHN: ZM-MO-1962-2633

NE 03016Aa:

Hipposideros abae J.A. Allen, 1917:
MNHN: ZM-MO-2000-930, ZM-MO-2000-931, ZM-MO-2000-933, ZM-MO-2000-934, ZM-MO-2000-935, ZM-MO-2000-936, ZM-MO-2000-937, ZM-MO-2000-938, ZM-MO-2000-939, ZM-MO-2000-940, ZM-MO-2000-941, ZM-MO-2000-942, ZM-MO-2000-943, ZM-MO-2000-944, ZM-MO-2000-945, ZM-MO-2000-946, ZM-MO-2000-947, ZM-MO-2000-948, ZM-MO-2000-949, ZM-MO-2000-950, ZM-MO-2000-951, ZM-MO-2000-952, ZM-MO-2000-953, ZM-MO-2000-954.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-2000-851, ZM-MO-2000-905, ZM-MO-2000-906, ZM-MO-2000-907, ZM-MO-2000-908, ZM-MO-2000-909, ZM-MO-2000-910, ZM-MO-2000-911, ZM-MO-2000-912, ZM-MO-2000-913, ZM-MO-2000-914, ZM-MO-2000-915, ZM-MO-2000-916, ZM-MO-2000-917, ZM-MO-2000-918, ZM-MO-2000-919, ZM-MO-2000-920, ZM-MO-2000-921, ZM-MO-2000-922, ZM-MO-2000-923, ZM-MO-2000-924, ZM-MO-2000-925, ZM-MO-2000-926, ZM-MO-2000-927.
Mimetillus moloneyi (Thomas, 1891):
MNHN: ZM-MO-2000-856.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-2000-1010, ZM-MO-2000-1011, ZM-MO-2000-1012, ZM-MO-2000-1013, ZM-MO-2000-1014, ZM-MO-2000-1015, ZM-MO-2000-1016, ZM-MO-2000-852, ZM-MO-2000-853, ZM-MO-2000-854.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
MNHN: ZM-MO-2000-855.
Neoromicia Roberts, 1926:
MNHN: ZM-MO-2000-841, ZM-MO-2000-842.
Neoromicia guineensis (Bocage, 1889):
MNHN: ZM-MO-2000-840.
Nycteris arge Thomas, 1903:
AMNH: 170179, 170181.
Nycteris grandis Peters, 1865:
MNHN: ZM-MO-2000-886.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-2000-858.
Nycteris macrotis Dobson, 1876:
MNHN: ZM-MO-2000-859.
Pipistrellus Kaup, 1829:
MNHN: ZM-MO-2000-860, ZM-MO-2000-861, ZM-MO-2000-957, ZM-MO-2000-958, ZM-MO-2000-959.
Pipistrellus nanulus Thomas, 1904:
MNHN: ZM-MO-2000-863, ZM-MO-2000-864, ZM-MO-2000-865.
Rhinolophus Lacépède, 1799:
MNHN: ZM-MO-2000-871, ZM-MO-2000-872, ZM-MO-2000-873.
Rhinolophus landeri Martin, 1838:
MNHN: ZM-MO-2000-955, ZM-MO-2000-956.
Scotoecus albofuscus (Thomas, 1890):
MNHN: ZM-MO-2000-1018, ZM-MO-2000-1019, ZM-MO-2000-1020.
Scotoecus hirundo (de Winton, 1899):
MNHN: ZM-MO-2000-874.
Scotophilus Leach, 1821:
MNHN: ZM-MO-2000-883.
Scotophilus dinganii (A. Smith, 1833):
MNHN: ZM-MO-2000-1021, ZM-MO-2000-1022, ZM-MO-2000-876, ZM-MO-2000-877, ZM-MO-2000-878, ZM-MO-2000-960.
Scotophilus viridis (Peters, 1852):
MNHN: ZM-MO-2000-882.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-2000-979

NE 03016Ca:

Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-MO-1931-846.
Nycteris hispida (Schreber, 1774):
AMNH: 170180

NE 03016Ad:

Casinycteris argynnis Thomas, 1910:
AMNH: 269915.
CHIROPTERA Blumenbach, 1779:
AMNH: 269927.
Doryrhina cyclops (Temminck, 1853):
AMNH: 268374, 268376, 268380, 269893.
Epomops franqueti (Tomes, 1860):
AMNH: 268351, 268352, 268353, 268354, 268355, 268356, 269902, 269916.
Glauconycteris beatrix Thomas, 1901:
AMNH: 268387, 268388, 269872, 269876.
Glauconycteris egeria Thomas, 1913:
AMNH: 268381, 268382, 268383. - **MNHN:** ZM-2016-2801.
Hipposideros abae J.A. Allen, 1917:
AMNH: 268375, 268377.

Hipposideros caffer (Sundevall, 1846):
AMNH: 268378.
Hipposideros ruber (Noack, 1893):
AMNH: 268385.
Macronycteris gigas (Wagner, 1845):
AMNH: 269871.
Macronycteris vittatus (Peters, 1852):
AMNH: 268379, 269879.
Megaloglossus woermanni Pagenstecher, 1885:
AMNH: 268357, 268358, 268359, 268360.
Mimetillus moloneyi (Thomas, 1891):
AMNH: 268384, 268386.
Myonycteris torquata (Dobson, 1878):
AMNH: 268361, 268362, 268363, 268364.
Myotis bocagii cupreolus Thomas, 1904:
AMNH: 269932, 269933.
Nycteris arge Thomas, 1903:
AMNH: 268366, 268367.
Nycteris grandis Peters, 1865:
AMNH: 268368, 268369, 268370, 268371.
Nycteris hispida (Schreber, 1774):
AMNH: 268365, 269931.
Nycteris intermedia Aellen, 1959:
AMNH: 268372.
Rhinolophus alcyone Temminck, 1853:
AMNH: 268373, 269922

NE 03017Cc:

Myopterus whitleyi (Scharff, 1900):
Rennes: BA0312

NE 03017Cd:

Casinycteris argynnis Thomas, 1910:
MNHN: ZM-2011-683.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-2011-687, ZM-2011-688, ZM-2011-689, ZM-2011-692, ZM-2011-693, ZM-2011-694.
Glauconycteris egeria Thomas, 1913:
MNHN: ZM-2016-2800.
Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-2011-702, ZM-2011-703.
Megaloglossus woermanni Pagenstecher, 1885:
MNHN: ZM-2011-706.
Myonycteris torquata (Dobson, 1878):
MNHN: ZM-2011-711.
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
MNHN: ZM-2011-713

NE 03017Dd:

Chaerephon Dobson, 1874:
MNHN: ZM-MO-1984-1253.
Chaerephon major (Trouessart, 1897):
MNHN: ZM-MO-2000-1009.
Chaerephon nigeriae Thomas, 1913:
MNHN: ZM-MO-1984-1639, ZM-MO-1984-1640, ZM-MO-1984-1641, ZM-MO-1984-1642, ZM-MO-1984-1643, ZM-MO-1984-195, ZM-MO-1984-196, ZM-MO-1984-197, ZM-MO-1984-198, ZM-MO-1984-199, ZM-MO-1984-200, ZM-MO-1984-201, ZM-MO-1984-227, ZM-MO-1984-229, ZM-MO-1984-230, ZM-MO-1984-231, ZM-MO-1984-232, ZM-MO-1984-233, ZM-MO-1984-234, ZM-MO-1984-235, ZM-MO-1984-236, ZM-MO-1984-237, ZM-MO-1984-238, ZM-MO-1996-596.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1984-222, ZM-MO-1984-223, ZM-MO-1984-224, ZM-MO-1984-225, ZM-MO-1984-226.
Coleura afra (Peters, 1852):
MNHN: ZM-MO-1985-512.
Doryrhina cyclops (Temminck, 1853):
MNHN: ZM-MO-1984-194, ZM-MO-1984-240, ZM-MO-1984-241, ZM-MO-1984-242, ZM-MO-1985-782, ZM-MO-1985-783, ZM-MO-1985-791.
Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1975-783, ZM-MO-1975-813, ZM-MO-1975-817, ZM-MO-1984-252, ZM-MO-1984-253.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1984-254, ZM-MO-1984-255, ZM-MO-1984-257, ZM-MO-1984-258.
Epomops franqueti (Tomes, 1860):

MNHN: ZM-MO-1975-1067, ZM-MO-1975-1068, ZM-MO-1981-610, ZM-MO-1981-611, ZM-MO-1981-612, ZM-MO-1981-613, ZM-MO-1983-1174, ZM-MO-1983-1175, ZM-MO-1983-1176, ZM-MO-1983-1177, ZM-MO-1983-1180, ZM-MO-1983-1181, ZM-MO-1983-1182, ZM-MO-1983-1183, ZM-MO-1983-1184, ZM-MO-1983-1185, ZM-MO-1983-1490.
Hipposideros abae J.A. Allen, 1917:
MNHN: ZM-MO-2000-983.
Hipposideros beatus (K. Andersen, 1906):
MNHN: ZM-MO-1984-177, ZM-MO-1984-2003, ZM-MO-1984-2004, ZM-MO-1984-2005, ZM-MO-1984-2006, ZM-MO-1984-2007, ZM-MO-1984-2008, ZM-MO-1984-2009, ZM-MO-1984-2010, ZM-MO-1984-2011, ZM-MO-1984-2012, ZM-MO-1984-245, ZM-MO-1984-248, ZM-MO-1985-383.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1984-176, ZM-MO-1984-193, ZM-MO-1984-214, ZM-MO-1984-244, ZM-MO-1985-1200, ZM-MO-1985-1359, ZM-MO-1985-1360, ZM-MO-1985-1365.
Hipposideros fuliginosus (Temminck, 1853):
MNHN: ZM-MO-1985-384, ZM-MO-1985-784.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1984-243, ZM-MO-1985-1172, ZM-MO-1985-1367, ZM-MO-1985-331, ZM-MO-1985-332, ZM-MO-1985-333, ZM-MO-1985-334, ZM-MO-1985-335, ZM-MO-1985-336, ZM-MO-1985-337, ZM-MO-1985-338, ZM-MO-1985-339, ZM-MO-1985-340, ZM-MO-1985-348, ZM-MO-1985-349, ZM-MO-1985-350, ZM-MO-1985-351, ZM-MO-1985-352, ZM-MO-1985-353, ZM-MO-1985-354, ZM-MO-1985-355, ZM-MO-1985-356, ZM-MO-1985-357, ZM-MO-1985-358, ZM-MO-1985-359, ZM-MO-1985-360, ZM-MO-1985-361, ZM-MO-1985-362, ZM-MO-1985-363, ZM-MO-1985-364, ZM-MO-1985-365, ZM-MO-1985-366, ZM-MO-1985-367, ZM-MO-1985-368, ZM-MO-1985-369, ZM-MO-1985-370, ZM-MO-1985-371, ZM-MO-1985-372, ZM-MO-1985-373, ZM-MO-1985-374, ZM-MO-1985-375, ZM-MO-1985-376, ZM-MO-1985-377, ZM-MO-1985-377 A, ZM-MO-1985-377 B, ZM-MO-1985-385, ZM-MO-1985-386, ZM-MO-1985-387, ZM-MO-1985-388, ZM-MO-1985-503, ZM-MO-1985-504, ZM-MO-1985-505, ZM-MO-1985-506, ZM-MO-1985-792, ZM-MO-1985-793, ZM-MO-1985-794, ZM-MO-1985-795, ZM-MO-1985-796, ZM-MO-1985-797, ZM-MO-1985-798, ZM-MO-1985-799, ZM-MO-1985-800, ZM-MO-1985-801, ZM-MO-1985-802, ZM-MO-1985-803, ZM-MO-1985-804, ZM-MO-1985-805, ZM-MO-1985-806, ZM-MO-1985-807, ZM-MO-1985-808, ZM-MO-1985-809, ZM-MO-1985-810, ZM-MO-1985-811, ZM-MO-1985-812, ZM-MO-1985-813, ZM-MO-1985-814, ZM-MO-1985-830, ZM-MO-1985-831.
Kerivoula smithii Thomas, 1880:
HNHM: 2005.33.2. - **MNHN:** ZM-MO-1984-291, ZM-MO-1984-292, ZM-MO-1984-293, ZM-MO-1984-294.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-1984-239, ZM-MO-1985-396.
Micropteropus pusillus (Peters, 1868):
CM: 40982, 40983, 40984.
Mimetillus moloneyi (Thomas, 1891):
MNHN: ZM-MO-1984-295, ZM-MO-1985-1042.
Miniopterus inflatus Thomas, 1903:
MNHN: ZM-MO-1985-632, ZM-MO-1985-652.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1985-524, ZM-MO-1985-628, ZM-MO-1985-629, ZM-MO-1985-630, ZM-MO-1985-631, ZM-MO-1985-633, ZM-MO-1985-634, ZM-MO-1985-635, ZM-MO-1985-636, ZM-MO-1985-637, ZM-MO-1985-638, ZM-MO-1985-639, ZM-MO-1985-640, ZM-MO-1985-641, ZM-MO-1985-642, ZM-MO-1985-643, ZM-MO-1985-644, ZM-MO-1985-653.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1984-1645, ZM-MO-1984-1646, ZM-MO-1985-341, ZM-MO-1985-342, ZM-MO-1985-519, ZM-MO-1985-520, ZM-MO-1985-521, ZM-MO-1985-522, ZM-MO-1985-523.
Myonycteris torquata (Dobson, 1878):
LER: 294/196. - **MNHN:** ZM-MO-1972-654, ZM-MO-1972-655, ZM-MO-1972-656, ZM-MO-1972-657, ZM-MO-1972-658, ZM-MO-1972-659, ZM-MO-1972-660, ZM-MO-1972-661, ZM-MO-1972-662, ZM-MO-1972-663, ZM-MO-1972-664, ZM-MO-1972-665, ZM-MO-1972-666, ZM-MO-1972-667, ZM-MO-1972-668, ZM-MO-1972-669, ZM-MO-1972-670, ZM-MO-1972-671, ZM-MO-1972-672, ZM-MO-1972-673, ZM-MO-1972-674, ZM-MO-1972-675, ZM-MO-1972-676, ZM-MO-1972-677, ZM-MO-1972-678, ZM-MO-1972-679, ZM-MO-1972-680, ZM-MO-1972-681, ZM-MO-1972-682, ZM-MO-1972-683, ZM-MO-1972-684, ZM-MO-1972-685, ZM-MO-1972-686, ZM-MO-1972-687, ZM-MO-1972-688, ZM-MO-1972-689, ZM-MO-1972-690, ZM-MO-1972-691, ZM-MO-1972-692, ZM-MO-1972-693, ZM-MO-1972-694, ZM-MO-1972-695, ZM-MO-1972-696, ZM-MO-1972-697, ZM-MO-1985-1171, ZM-MO-1985-1173, ZM-MO-1985-1175, ZM-MO-1985-1176, ZM-MO-1985-1177, ZM-MO-1985-1178, ZM-MO-1985-1179, ZM-MO-1985-1181.
Neoromicia nana (Peters, 1852):
MNHN: ZM-2004-1377, ZM-MO-1984-1254, ZM-MO-1984-1255, ZM-MO-1984-1400, ZM-MO-1984-1401, ZM-MO-1984-1402, ZM-MO-1984-1403, ZM-MO-1984-1404, ZM-MO-1984-1405, ZM-MO-1984-1406, ZM-MO-1984-1407, ZM-MO-1984-1408, ZM-MO-1984-1409, ZM-MO-1984-1410, ZM-MO-1984-1411, ZM-MO-1984-1412, ZM-MO-1984-1413, ZM-MO-1984-1414, ZM-MO-1984-1415, ZM-MO-1984-1416, ZM-MO-1984-1417, ZM-MO-1984-1418, ZM-MO-1984-1419, ZM-MO-1984-1420, ZM-MO-1984-1421, ZM-MO-1984-1422, ZM-MO-1984-1423, ZM-MO-1984-1424, ZM-MO-1984-1425, ZM-MO-1984-1426, ZM-MO-1984-1427, ZM-MO-1984-1428, ZM-MO-1984-1429, ZM-MO-1984-1430, ZM-MO-1984-1431, ZM-MO-1984-1432, ZM-MO-1984-1433, ZM-MO-1984-1434, ZM-MO-1984-1435, ZM-MO-1984-1436, ZM-MO-1984-1437, ZM-MO-1984-1438, ZM-MO-1984-1439, ZM-MO-1984-1440, ZM-MO-1984-1441, ZM-MO-1984-1442, ZM-MO-1984-1443, ZM-MO-1984-1444, ZM-MO-1984-1445, ZM-MO-1984-1446, ZM-MO-1984-1447, ZM-MO-1984-1448, ZM-MO-1984-1449, ZM-MO-1984-1450, ZM-MO-1984-1451, ZM-MO-1984-1452, ZM-MO-1984-1453, ZM-MO-1984-1454, ZM-MO-1984-1455, ZM-MO-1984-1456, ZM-MO-1984-1457, ZM-MO-1984-1458, ZM-MO-1984-2044, ZM-MO-1984-2045, ZM-MO-1984-2046, ZM-MO-1984-2047, ZM-MO-1984-2048, ZM-MO-1984-2049, ZM-MO-1984-2050, ZM-MO-1984-2051, ZM-MO-1984-2052, ZM-MO-1984-2053, ZM-MO-1984-2054, ZM-MO-1984-2055, ZM-MO-1984-2056, ZM-MO-1984-2057, ZM-MO-1984-2058, ZM-MO-1984-2059, ZM-MO-1984-2060, ZM-MO-1984-2061, ZM-MO-1984-2062, ZM-MO-1984-2063, ZM-MO-1984-2064, ZM-MO-1984-2065, ZM-MO-1984-2066, ZM-MO-1984-2067, ZM-MO-1984-2068, ZM-MO-1984-2069, ZM-MO-1984-2070, ZM-MO-1984-2071, ZM-MO-1984-2072, ZM-MO-1984-213, ZM-MO-1984-217, ZM-MO-1984-218, ZM-MO-1984-289, ZM-MO-1984-296A, ZM-MO-1984-296B, ZM-MO-1985-1000, ZM-MO-1985-1001, ZM-MO-1985-1002, ZM-MO-1985-1003, ZM-MO-1985-1004, ZM-MO-1985-1005, ZM-MO-1985-1006, ZM-MO-1985-1007, ZM-MO-1985-1008, ZM-MO-1985-389, ZM-MO-1985-390, ZM-MO-1985-514, ZM-MO-1985-515, ZM-MO-1985-516, ZM-MO-1985-991, ZM-MO-1985-992, ZM-MO-1985-993, ZM-MO-1985-994, ZM-

MO-1985-995, ZM-MO-1985-996, ZM-MO-1985-997, ZM-MO-1985-998, ZM-MO-1985-999, ZM-MO-1988-253, ZM-MO-1995-3211, ZM-MO-1996-595.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1984-192, ZM-MO-1984-221.
Nycteris nana (K. Andersen, 1912):
MNHN: ZM-MO-1984-175.
Pipistrellus nanulus Thomas, 1904:
MNHN: ZM-MO-1984-202, ZM-MO-1984-203, ZM-MO-1984-204, ZM-MO-1984-205, ZM-MO-1984-206, ZM-MO-1984-207, ZM-MO-1984-208, ZM-MO-1984-209, ZM-MO-1984-210, ZM-MO-1984-211, ZM-MO-1984-247, ZM-MO-1984-290, ZM-MO-1984-296, ZM-MO-1984-297, ZM-MO-1984-298, ZM-MO-1984-299, ZM-MO-1984-300, ZM-MO-1984-301, ZM-MO-1984-302.
Rhinolophus alcyone Temminck, 1853:
MNHN: ZM-MO-1984-246.
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
MNHN: ZM-MO-1979-399, ZM-MO-1979-400, ZM-MO-1979-401.
Scotophilus Leach, 1821:
MNHN: ZM-MO-1984-212, ZM-MO-1984-215, ZM-MO-1984-216, ZM-MO-1985-343, ZM-MO-1985-344, ZM-MO-1985-345, ZM-MO-1985-346, ZM-MO-1985-347.
Scotophilus leucogaster (Cretzschmar, 1826):
MNHN: ZM-MO-1984-174.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1985-268.
Triaenops afer Peters, 1877:
MNHN: ZM-MO-1985-1198, ZM-MO-1985-1199, ZM-MO-1985-1366

NE 03018Cc:

Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1985-1368, ZM-MO-1985-1369, ZM-MO-1985-1370, ZM-MO-1985-1371.
Neoromicia nana (Peters, 1852):
CM: 41014.
Neoromicia tenuipinnis (Peters, 1872):
CM: 41046, 41047, 41048, 41049, 41050

NE 03018Bc:

Eidolon helvum (Kerr, 1792):
RBINS: 13110, 7716, 7717

NE 03018Da:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-2011-690, ZM-2011-695, ZM-2011-696, ZM-2011-697, ZM-2011-698, ZM-2011-699, ZM-2011-700, ZM-2011-701.
Hipposideros ruber (Noack, 1893):
RMCA: 13988.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 14686.
Megaloglossus woermanni Pagenstecher, 1885:
MNHN: ZM-2011-707, ZM-2011-708

NE 03018Dc:

Mops (Mops) condylurus (A. Smith, 1833):
SMF: 6397.
Neoromicia nana (Peters, 1852):
ZMH: 41082?, 41083?.
Neoromicia rendalli (Thomas, 1889):
SMF: 6393.
Nycteris hispida (Schreber, 1774):
SMF: 6381, 6381??6382, 6382.
Nycteris nana (K. Andersen, 1912):
SMF: 6390

NE 03019Aa:

Mops (Mops) midas (Sundevall, 1843):
RMCA: 30949, 30950

NE 03019Bd:

Epomops franqueti (Tomes, 1860):
RMCA: 28087.
Hipposideros ruber (Noack, 1893):
RMCA: 15841

NE 03020Ad:

Neoromicia nana (Peters, 1852):
RMCA: 14569.
Nycteris hispida (Schreber, 1774):
RMCA: 14568

NE 03024Cb:

Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1907.7.8.23

NE 03024Bc:

Epomops franqueti (Tomes, 1860):
SMF: 6357.
Hipposideros ruber (Noack, 1893):
SMF: 6364.
Nycteris arge Thomas, 1903:
SMF: 6380. - **ZMH:** 3

NE 03025Bc:

Eidolon helvum (Kerr, 1792):
RMCA: 14791, 14792, 14793, 14794, 14795, 15322.
Epomops franqueti (Tomes, 1860):
RMCA: 14797a, 14797b.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 14677, 14678.
Kerivoula smithii Thomas, 1880:
RMCA: 12530.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 14679.
Neoromicia nana (Peters, 1852):
RMCA: 17766.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 14075, 14076, 14077, 14078, 17753.
Nycteris hispida (Schreber, 1774):
RMCA: 14798, 17754, 17767.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 14073.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 14072, 14074, 14079, 16106, 16107, 16108, 17749, 17750, 17751, 17763, 17764, 17765, 17768, 18104

NE 03025Da:

Hypsignathus monstrosus H. Allen, 1862:
RMCA: 14796a, 14796b

NE 03026Aa:

Myonycteris torquata wroughtoni K. Andersen, 1908:
BMNH: 1907.7.8.25, 1907.7.8.26

NE 03026Ca:

Eidolon helvum (Kerr, 1792):
RMCA: 6065.
Hypsignathus monstrosus H. Allen, 1862:
MCZ: 23935.
Myopterus daubentonii Desmarest, 1820:
BMNH: 1919.5.9.1. - **RMCA:** 2911

NE 03026Bb:

Hipposideros caffer (Sundevall, 1846):
BMNH: 1919.5.8.10, 1919.5.8.11.
Hipposideros ruber (Noack, 1893):
AMNH: 49400, 49401, 49402. - **RMCA:** 4332, 4333, 4334, 4335, 4336a, 4337, 4338, 4339.
Mimetillus moloneyi (Thomas, 1891):
RMCA: 16514.
Neoromicia nana (Peters, 1852):
AMNH: 49329. - **RMCA:** 4797.
Nycteris grandis Peters, 1865:
RMCA: 4340.

Nycteris hispida (Schreber, 1774):
RMCA: 4336b, 4341, 4342.
Otomops martiensseni (Matschie, 1897):
BMNH: 1919.5.9.2.
Pipistrellus rueppellii (Fischer, 1829):
AMNH: 49326

NE 03027Bb:

Rhinolophus fumigatus Rüppell, 1842:
RMCA: 16250.
Saccolaimus peli (Temminck, 1853):
AMNH: 48770

NE 03027Bd:

Epomops franqueti (Tomes, 1860):
BMNH: 1887.12.1.26.
Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1887.12.1.24, 1887.12.1.25

NE 03027Db:

Chaerephon nigeriae nigeriae Thomas, 1913:
AMNH: 48842.
Doryrhina cyclops (Temminck, 1853):
AMNH: 49097, 49415. - **FMNH:** 43879.
Epomops franqueti (Tomes, 1860):
AMNH: 48717.
Glauconycteris variegata (Tomes, 1861):
AMNH: 49056, 49313, 49341. - **FMNH:** 43871. - **RMCA:** 12382.
Hipposideros ruber (Noack, 1893):
AMNH: 49183, 49388.
Macronycteris gigas (Wagner, 1845):
AMNH: 49103.
Micropteropus pusillus (Peters, 1868):
AMNH: 48756.
Mops (Mops) niangarae J.A. Allen, 1917:
AMNH: 48901.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
AMNH: 48861, 48862, 48863, 48864, 48865. - **FMNH:** 43868.
Myopterus daubentonii Desmarest, 1820:
AMNH: 48852, 48853, 48854, 48855, 48856, 48857, 49228. - **MCZ:** 17384.
Neoromicia guineensis (Bocage, 1889):
AMNH: 49290.
Neoromicia nana (Peters, 1852):
AMNH: 48967, 48968, 48969, 48970, 48971, 48972, 48973, 48974, 48975.
Neoromicia rendalli (Thomas, 1889):
AMNH: 49034, 49036, 49037, 49038, 49039, 49040, 49041, 49042, 49043. - **FMNH:** 43869, 43870. - **MCZ:** 17378. - **RMCA:** 12388.
Neoromicia tenuipinnis (Peters, 1872):
AMNH: 48986, 48987.
Nycteris arge Thomas, 1903:
AMNH: 49386, 49387.
Nycteris hispida (Schreber, 1774):
AMNH: 150183, 150184.
Saccolaimus peli (Temminck, 1853):
AMNH: 48766, 48767, 48768, 48769. - **MCZ:** 17365.
Scotoecus hindei Thomas, 1901:
AMNH: 49320.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 48773, 48784

NE 03028Da:

Hipposideros caffer (Sundevall, 1846):
RBINS: 8128.01, 8128.02, 8128.03, 8128.04, 8128.05, 8128.06, 8128.07, 8128.08, 8128.09, 8128.10, 8128.11, 8128.12, 8128.13, 8128.14, 8128.15, 8128.16.
Hipposideros ruber (Noack, 1893):
RBINS: 8203.01, 8203.02, 8203.03, 8203.04, 8203.05, 8203.06, 8203.07, 8203.08, 8203.09, 8203.10, 8203.11, 8203.12, 8203.13, 8203.14, 8203.15, 8203.16, 8203.17, 8203.18.
Neoromicia nana (Peters, 1852):
RBINS: 13803. - **RMCA:** 1105a, 1105b, 1105c, 1105d, 1105e, 1105f, 1105g, 1105h, 1105i, 16192.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
RMCA: 12395.

Taphozous perforatus sudani Thomas, 1915:
AMNH: 48816, 48817, 49251, 49348, 49354, 49356, 49357, 49358. - **FMNH:** 43874, 43875. - **MCZ:** 17225

NE 03029Ca:

Chaerephon nigeriae nigeriae Thomas, 1913:
RBINS: 12949, 12950, 12951, 12952.
Epomophorus labiatus (Temminck, 1837):
RBINS: 11658.1, 11658.2, 11658.3, 11658.4, 12934, 12935, 12936. - **RMCA:** 25602, 25603, 25604, 25605.
Epomops franqueti (Tomes, 1860):
RBINS: 11659.
Hipposideros caffer (Sundevall, 1846):
INPBC: 2128bis.1, 2128bis.2. - **RBINS:** 13795.1, 13795.2, 13795.3, 13795.4.
Hipposideros ruber (Noack, 1893):
RBINS: 13730.1, 13730.2, 13731.1, 13731.2, 13732.1, 13732.2, 13733, 13739. - **RMCA:** 36695, 36696, 36697, 36698, 36699, 36700, 36701, 36702, 36703, 36704, 36705, 36717, 36718, 36719, 36720, 36721, 36722, 36723, 36724, 36725, 36726, 36727, 36728, 36729, 36730, 36731, 36732, 36733, 36734, 36735, 36736, 36737, 36738, 36739, 36740, 36741.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 13629, 13631, 8182, 8183, 8184, 8206. - **RMCA:** 25606, 25607, 27431, 27432, 27433, 27434, 36937.
Micropteropus pusillus (Peters, 1868):
RBINS: 11660. - **RMCA:** 27426, 27427, 27428, 27429.
Miniopterus fraterculus Thomas and Schwann, 1906:
RBINS: 8124.1, 8124.2.
Miniopterus inflatus Thomas, 1903:
RBINS: 13577.1, 13577.2, 13577.3, 13577.4, 13577.5.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 8155, 8156.
Myonycteris torquata wroughtoni K. Andersen, 1908:
RBINS: 11657.
Myotis bocagii (Peters, 1870):
RMCA: 27464, 27465, 27466.
Myotis bocagii cupreolus Thomas, 1904:
RBINS: 13331.
Neoromicia capensis (A. Smith, 1829):
RBINS: 11656.1, 11656.2.
Neoromicia nana (Peters, 1852):
RBINS: 12947, 13860, 8191, 8192, 8193, 8194. - **RMCA:** 27470, 27471, 27472.
Neoromicia rendalli (Thomas, 1889):
RMCA: 25807.
Nycteris hispida (Schreber, 1774):
INPBC: HV.11b. - **RBINS:** 8123.
Nycticeinops schlieffenii (Peters, 1859):
RBINS: 13868.
Rhinolophus fumigatus Rüppell, 1842:
RBINS: 13657.
Scotophilus dinganii (A. Smith, 1833):
RBINS: 8125, 8126, 8127.1.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 11655, 12941, 12942, 8189.1, 8189.2, 8190. - **RMCA:** 25600, 25601, 25806, 27461, 27462, 27463.
Taphozous perforatus sudani Thomas, 1915:
RBINS: 14631

NE 03029Cc:

Neoromicia nana (Peters, 1852):
RBINS: 8195.1, 8195.2, 8195.3, 8195.4.
Nycteris nana (K. Andersen, 1912):
RBINS: 13550

NE 03029Ab:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 8205

NE 03029Ad:

Micropteropus pusillus (Peters, 1868):
BMNH: 1907.7.8.29

NE 03029Cd:

Epomophorus crypturus Peters, 1852:
RMCA: 36547, 36552.
Epomophorus labiatus (Temminck, 1837):
RBINS: 13510, 13511, 13513.1, 13513.2, 13516. - **RMCA:** 36548, 36549, 36550, 36551.

Hipposideros abae J.A. Allen, 1917:
RBINS: 13679, 13681, 13684.2.
Hipposideros ruber (Noack, 1893):
RBINS: 13737, 13738.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
INPBC: 4392. - **RBINS:** 13645, 13646, 13647, 13652, 13655. - **RMCA:** 36942, 36943.
Micropteropus pusillus (Peters, 1868):
RBINS: 13521.1, 13521.2. - **RMCA:** 36555.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 14000.01, 14000.02, 14000.03, 14000.04, 14000.05, 14000.06, 14000.07, 14000.08, 14000.09, 14000.10, 14000.11, 14001.1, 14001.2, 14003.1, 14003.2, 14003.3, 14003.4, 14004, 14005, 14006. - **RMCA:** 36899, 36900, 36901, 36902, 36903, 36904, 36905, 36906, 36907, 36908, 36909, 36910, 36913, 36914.
Mops (Mops) demonstrator (Thomas, 1903):
INPBC: 3514, 4735. - **RBINS:** 13800, 13801, 13804.1, 13804.2, 13805, 13808.1, 13809, 13811.1, 13811.2, 13811.3, 13811.4, 13811.5, 13813, 15805. - **RMCA:** 36932, 36933, 36934, 36935.
Mops (Mops) midas (Sundevall, 1843):
INPBC: 5159.4.1, 5159.4.2, 5159.4.3. - **RBINS:** 13814.1, 13814.2, 13819, 13820.1, 13820.2, 13821.1, 13821.2, 13822.1, 13822.2. - **RMCA:** 36924, 36925, 36926, 36927, 36928, 36929, 36930.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 36936.
Neoromicia Roberts, 1926:
RBINS: 13830, 13831, 13833, 13837, 13839.
Neoromicia capensis (A. Smith, 1829):
INPBC: 3559, 4360. - **RBINS:** 13834, 13841.1, 13841.2, 13841.3, 13841.4, 13841.5. - **RMCA:** 36853, 36854, 36855, 36856, 36857, 36858, 36859, 36860, 36861, 36862, 36864, 36865, 36866.
Neoromicia rendalli (Thomas, 1889):
RBINS: 13850.
Nycteris hispida (Schreber, 1774):
INPBC: 3305, 3427. - **RBINS:** 13571, 13572, 13573, 13574, 13575, 13576, 13579.1, 13579.2, 13580.1, 13580.2, 13582, 13583, 13585, 13587, 13591.1, 13591.2, 13592.1, 13592.2, 13593.1, 13593.2, 13594, 13595, 13596, 13597, 13598.1, 13598.2, 13598.3, 13598.4, 13600.1, 13600.2, 13601, 13602.1, 13602.2, 13615, 13616, 13617. - **RMCA:** 36563, 36564, 36565, 36566, 36567, 36568, 36569, 36570, 36571a, 36571b, 36575, 36576, 36577, 36578, 36579, 36580, 36581, 36582, 36583, 36584, 36587, 36591, 36592a, 36592b, 36593, 36594, 36597.
Nycteris nana (K. Andersen, 1912):
RBINS: 13562, 13567.1, 13567.2.
Otomops martiensseni (Matschie, 1897):
RBINS: 13827.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 13533. - **RMCA:** 36838, 36839, 36840, 36841.
Taphozous nudiventris Cretzschmar, 1830:
RBINS: 13542

NE 03029Ba:

Hipposideros caffer (Sundevall, 1846):
TM: DBA207, DBA261, DBA266, DBA268, DBA274, DBA320, DBA410, DRC0015, DRC0034, DRC0069, DRC0105, DRC0106, DRC0121.
Macronycteris vittatus (Peters, 1852):
TM: DBA071, DBA072, DBA075, DBA112, DBA124, DBA185, DBA186, DBA194, DBA199, DBA200, DBA280, DBA288, DBA289, DRC0071, DRC0089, DRC0124, DRC0148.
Miniopterus inflatus Thomas, 1903:
TM: DBA010, DBA011, DBA015, DBA113, DBA115, DBA164, DBA165, DBA166, DBA167, DBA168, DBA169, DBA170, DBA171, DBA172, DBA173, DBA174, DBA175, DBA176, DBA177, DBA198, DBA202, DBA239, DBA240, DBA241, DBA242, DBA243, DBA244, DBA255, DBA277, DBA300, DBA317, DBA321, DBA327, DRC0033, DRC0107, DRC0122, DRC0150, DRC0156.
Myonycteris angolensis (Bocage, 1898):
TM: DBA069, DBA076, DBA126, DBA227, DBA230, DBA287.
Neoromicia nana (Peters, 1852):
RMCA: 21839.
Nycteris arge Thomas, 1903:
TM: DBA001.
Rhinolophus fumigatus Rüppell, 1842:
TM: DBA008, DBA012, DBA013, DBA014, DBA030, DBA031, DBA032, DBA033, DBA034, DBA035, DBA036, DBA037, DBA038, DBA039, DBA040, DBA041, DBA042, DBA043, DBA044, DBA045, DBA046, DBA047, DBA048, DBA049, DBA050, DBA051, DBA052, DBA053, DBA054, DBA055, DBA056, DBA057, DBA058, DBA059, DBA060, DBA061, DBA062, DBA063, DBA085, DBA086, DBA087, DBA088, DBA089, DBA090, DBA091, DBA092, DBA093, DBA094, DBA095, DBA096, DBA097, DBA098, DBA099, DBA100, DBA101, DBA102, DBA103, DBA104, DBA105, DBA106, DBA129, DBA130, DBA132, DBA133, DBA134, DBA135, DBA136, DBA137, DBA138, DBA139, DBA140, DBA141, DBA143, DBA144, DBA145, DBA146, DBA147, DBA148, DBA149, DBA150, DBA151, DBA152, DBA153, DBA154, DBA155, DBA156, DBA158, DBA159, DBA160, DBA161, DBA162, DBA163, DBA178, DBA180, DBA181, DBA182, DBA183, DBA184, DBA195, DBA196, DBA201, DBA203, DBA204, DBA205, DBA206, DBA208, DBA209, DBA210, DBA211, DBA212, DBA213, DBA214, DBA215, DBA216, DBA217, DBA218, DBA219, DBA220, DBA221, DBA222, DBA223, DBA228, DBA245, DBA246, DBA247, DBA248, DBA249, DBA250, DBA251, DBA252, DBA253, DBA256, DBA257, DBA258, DBA259, DBA260, DBA262, DBA263, DBA264, DBA265, DBA267, DBA269, DBA270, DBA271, DBA272, DBA273, DBA275, DBA276, DBA278, DBA283, DBA290, DBA291, DBA292, DBA293, DBA294, DBA295, DBA296, DBA297, DBA298, DBA299, DBA301, DBA302, DBA303, DBA304, DBA305, DBA306, DBA307, DBA308,

DBA309, DBA310, DBA311, DBA312, DBA313, DBA314, DBA315, DBA316, DBA318, DBA319, DBA322, DBA323, DBA324, DBA325, DBA326, DBA328, DBA329, DBA330, DBA354, DBA360, DBA401, DBA402, DBA403, DBA404, DBA405, DBA406, DBA408, DBA409, DBA411, DBA412, DRC0032, DRC0053, DRC0055, DRC0056, DRC0086, DRC0102, DRC0103, DRC0104, DRC0120, DRC0127, DRC0128, DRC0129, DRC0130, DRC0131, DRC0134, DRC0135, DRC0142, DRC0146, DRC0147, DRC0149, DRC0151, DRC0154, DRC0155, DRC0158, DRC0159.
Rhinolophus lobatus Peters, 1852:
TM: DRC0141.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: DBA002, DBA003, DBA004, DBA005, DBA006, DBA007, DBA009, DBA029, DBA070, DBA074, DBA077, DBA078, DBA079, DBA080, DBA081, DBA082, DBA083, DBA084, DBA110, DBA111, DBA114, DBA116, DBA117, DBA118, DBA119, DBA120, DBA121, DBA122, DBA123, DBA125, DBA127, DBA128, DBA131, DBA142, DBA157, DBA187, DBA188, DBA189, DBA190, DBA191, DBA192, DBA193, DBA197, DBA226, DBA229, DBA231, DBA232, DBA233, DBA234, DBA235, DBA236, DBA237, DBA238, DBA254, DBA281, DBA284, DBA285, DBA286, DBA335, DBA336, DBA337, DBA338, DBA339, DBA340, DBA341, DBA342, DBA343, DBA344, DBA345, DBA346, DBA347, DBA348, DBA349, DBA350, DBA351, DBA352, DBA353, DBA355, DBA356, DBA357, DBA358, DBA359, DBA361, DBA362, DBA363, DBA364, DBA365, DBA366, DBA367, DBA368, DBA369, DBA370, DBA371, DBA372, DBA373, DBA374, DBA375, DBA376, DBA377, DBA378, DBA379, DBA380, DBA381, DBA382, DBA383, DBA384, DBA385, DBA386, DBA387, DBA388, DBA389, DBA390, DBA391, DBA392, DBA393, DBA394, DBA395, DBA396, DBA397, DBA398, DBA399, DBA400, DBA407, DRC0001, DRC0002, DRC0003, DRC0004, DRC0028, DRC0030, DRC0031, DRC0035, DRC0036, DRC0037, DRC0038, DRC0039, DRC0040, DRC0041, DRC0042, DRC0043, DRC0044, DRC0045, DRC0046, DRC0047, DRC0048, DRC0049, DRC0050, DRC0051, DRC0052, DRC0054, DRC0057, DRC0058, DRC0059, DRC0060, DRC0061, DRC0062, DRC0063, DRC0064, DRC0065, DRC0066, DRC0067, DRC0068, DRC0070, DRC0072, DRC0073, DRC0087, DRC0088, DRC0090, DRC0091, DRC0092, DRC0093, DRC0094, DRC0095, DRC0096, DRC0097, DRC0098, DRC0099, DRC0100, DRC0101, DRC0108, DRC0109, DRC0110, DRC0111, DRC0112, DRC0113, DRC0114, DRC0115, DRC0116, DRC0117, DRC0118, DRC0119, DRC0123, DRC0125, DRC0126, DRC0132, DRC0133, DRC0136, DRC0137, DRC0138, DRC0139, DRC0140, DRC0143, DRC0144, DRC0145, DRC0152, DRC0153, DRC0157

NE 03029Bc:

Epomops franqueti (Tomes, 1860):
AMNH: 48720.
Nycteris hispida (Schreber, 1774):
AMNH: 49395, 49396, 49397, 49398.
Rhinolophus eloquens K. Andersen, 1905:
BMNH: 1907.7.8.30

NE 03029Da:

Chaerephon ansorgei (Thomas, 1913):
AMNH: 48902, 48903, 48904, 48905, 48906, 48907, 48909, 49231, 49232, 49233, 49234, 49236, 49238, 49239, 49240, 49241, 49242, 49243, 49245, 49246, 49247, 49248, 49249, 49264. - **FMNH:** 43865, 43866. - **MCZ:** 17220. - **RBINS:** 13778.1, 13778.2. - **RMCA:** 12385.
Chaerephon chapini J.A. Allen, 1917:
AMNH: 48841, 49209.
Chaerephon major (Trouessart, 1897):
AMNH: 48836, 48838, 52119. - **MCZ:** 17388. - **RMCA:** 12364.
Epomophorus labiatus (Temminck, 1837):
AMNH: 48661, 48732, 48734, 48735, 48736, 48737, 48738, 48739, 48740, 48741, 48742, 48743, 48745, 48746, 48747, 48748, 48749, 48750, 49200, 49201, 49202, 49204. - **RBINS:** 13517. - **RMCA:** 12373, 12374.
Epomops franqueti (Tomes, 1860):
UNIKIS: CRT801/G63, CRT802, CRT803, CRT804, CRT805, CRT807, CRT808/G62, CRT809, CRT810, CRT811, CRT812, CRT814, CRT816, CRT817, CRT818/G64, CRT819/G61, CRT820, CRT821/G70.
Glauconycteris poensis (Gray, 1842):
AMNH: 49066.
Glauconycteris variegata (Tomes, 1861):
AMNH: 49058, 49059, 49060, 49061, 49062, 49063, 49064, 49065, 49067, 49068, 49195, 52116, 52117, 52118. - **FMNH:** 43872. - **MCZ:** 17382, 17383. - **RMCA:** 12381.
Hipposideros beatus (K. Andersen, 1906):
RMCA: 9044, 9048, 9056.
Hipposideros caffer (Sundevall, 1846):
AMNH: 49426. - **RBINS:** 13796.1, 13796.2, 13796.3. - **RMCA:** 36823, 36824.
Hipposideros ruber (Noack, 1893):
AMNH: 49168, 49381, 49385, 49416.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 49071, 49072, 49073, 49074, 49075, 49076, 49077, 49078, 49079, 49080, 49081, 49082, 49083, 49084, 49086, 49087, 49088, 49089, 49090, 49091, 49284, 49382, 49383, 49384, 49420. - **KU:** 125198. - **RMCA:** 12359, 9049, 9050.
Micropteropus pusillus (Peters, 1868):
RMCA: a1.097-M-0553.
Mops (Mops) demonstrator (Thomas, 1903):
AMNH: 48910, 49222.
Mops (Mops) midas midas (Sundevall, 1843):
AMNH: 49254, 49255, 49256, 49257, 49262, 49272.
Mops (Mops) trevori J.A. Allen, 1917:
AMNH: 49250.
Myotis bocagii cupreolus Thomas, 1904:

AMNH: 49000, 49425.
Neoromicia nana (Peters, 1852):
AMNH: 48976, 48977, 48978, 49303, 49307, 49316, 49332, 52112, 52113. - **RMCA:** 9045, 9059, 9897, 9898, 9899, 9900, 9901.
Neoromicia rendalli (Thomas, 1889):
AMNH: 49044, 49045, 49046, 49047, 49048, 49049, 49050, 49051, 49053, 49054, 49055, 49327, 49345, 52114, 52115. - **MCZ:** 17379. - **RMCA:** 12387.
Neoromicia tenuipinnis (Peters, 1872):
AMNH: 48988, 49423. - **RMCA:** 9043.
Nycteris hispida (Schreber, 1774):
AMNH: 49085, 49144, 49417, 49418, 49419, 49421, 49424. - **MCZ:** 17226. - **RMCA:** 12390.
Nycteris macrotis Dobson, 1876:
AMNH: 49422.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 49015, 49283, 49359.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 48774, 48775, 48776, 48777, 48778, 48779, 48780, 48781, 48782, 48783, 48786, 48787, 48788, 48789, 48790, 48791, 48793, 48794, 48795, 48796, 48797, 48798, 48799, 48800, 48801, 48802, 48803, 48804, 48805, 48806, 48807, 48808, 49352, 49353, 49355, 49360, 49361, 49362, 49363, 49364. - **MCZ:** 17228, 17367, 17368. - **RMCA:** 12383, 12384

NE 03029Dc:

Chaerephon major (Trouessart, 1897):
RBINS: 14630. - **RMCA:** 36894, 36896, 36897, 36898.
Chaerephon pumilus (Cretzschmar, 1826):
RBINS: 13782.1, 13782.2, 13782.3, 13782.4. - **RMCA:** 36889, 36890.
Hipposideros caffer (Sundevall, 1846):
RBINS: 14637.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 14626.
Scotophilus dinganii (A. Smith, 1833):
RBINS: 14629.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 13534, 14627, 14628. - **RMCA:** 36842

NE 03029Bb:

Hipposideros ruber (Noack, 1893):
RMCA: 9028b.
Myotis bocagii (Peters, 1870):
RMCA: 9024, 9026, 9027, 9029.
Neoromicia nana (Peters, 1852):
RMCA: 9025, 9028a, 9030, 9031, 9032, 9033

NE 03030Cc:

Chaerephon major (Trouessart, 1897):
AMNH: 48840, 48867, 48869, 48870, 48871, 48872, 48873, 48875, 48876, 48877, 48878, 48879, 48880, 48881, 48882, 48883, 48884, 48885, 48886, 48887, 51257, 51258, 51259, 51260, 51261, 51262, 51263, 51264, 51265, 51266, 51267. - **MCZ:** 17389. - **RMCA:** 12365.
Coleura afra (Peters, 1852):
AMNH: 48809, 48811, 48812, 48813, 48814, 48815, 49033, 51250, 51251, 51252, 51253, 51254, 51255, 51256. - **MCZ:** 17369. - **RMCA:** 12394.
Doryrhina cyclops (Temminck, 1853):
RBINS: 13332.
Glauconycteris variegata (Tomes, 1861):
AMNH: 49069, 49070, 49347.
Hipposideros abae J.A. Allen, 1917:
AMNH: 49120, 49121, 49122, 49123, 49124, 49125, 49128, 49129, 49130, 49146, 49147, 49148, 49149, 49150, 49151, 49152, 49153, 49154, 49155, 49156, 49157, 49158, 49159, 49160, 49161, 49162, 49163, 49164, 49165, 49166, 49167, 49169, 49170. - **MCZ:** 17371, 17372. - **RMCA:** 12366, 12367. - **TM:** 4564.
Hipposideros ruber (Noack, 1893):
AMNH: 49127, 49172. - **RMCA:** 12370.
Miniopterus fraterculus Thomas and Schwann, 1906:
AMNH: 49017, 49018, 49019, 49020, 49021, 49022, 49023, 49024, 49025, 49026, 49027, 49028, 49029, 49031, 49032, 51271, 51272. - **MCZ:** 17380, 17381. - **RMCA:** 12397.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 8154.1, 8154.2, 8154.3.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
AMNH: 48874.
Myotis bocagii (Peters, 1870):
RMCA: 12392.
Myotis bocagii bocagii (Peters, 1870):
MCZ: 17377.
Myotis bocagii cupreolus Thomas, 1904:

AMNH: 49001, 49002, 49003, 49004, 49005, 49006, 49007, 49009, 49010, 49011.
Neoromicia nana (Peters, 1852):
AMNH: 48979, 48980, 48981. - **RBINS:** 13862.1, 13862.2, 13866.
Rhinolophus eloquens K. Andersen, 1905:
AMNH: 49100, 49101, 49102.
Rhinolophus fumigatus Rüppell, 1842:
AMNH: 49111, 49112, 49113, 49114, 49115, 49116, 49117, 49118, 49197. - **MCZ:** 17375. - **RMCA:** 12363.
Rhinolophus lobatus Peters, 1852:
AMNH: 49132, 49173, 49175, 49177. - **RMCA:** 12361.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 8188

NE 03030Cb:

Neoromicia nana (Peters, 1852):
RMCA: 8991

NE 03030Dc:

Chaerephon major (Trouessart, 1897):
AMNH: 118584.
Epomops franqueti (Tomes, 1860):
SMNS: 29897, 29898, 29899, 29900, 29902.
Micropteropus pusillus (Peters, 1868):
SMNS: 29824, 29825, 29826.
Nycteris arge Thomas, 1903:
SMNS: 29333.
Nycteris macrotis Dobson, 1876:
SMNS: 29340.
Nycteris nana (K. Andersen, 1912):
SMNS: 29344, 29345

NE 03030Bb:

Epomophorus labiatus (Temminck, 1837):
ROM: 39359, 39360, 39361, 39877, 39889, 39890, 39896, 39900.
Micropteropus pusillus (Peters, 1868):
ROM: 39897, 39898, 39899.
Neoromicia nana (Peters, 1852):
ROM: 39884.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 39357, 39358, 39901, 39902, 39903, 39904, 39905, 39906, 39907, 39908, 39909, 39910, 39911.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 39892, 40074, 40075, 40076, 40077, 40078

NE 03030Dd:

Epomophorus labiatus (Temminck, 1837):
SMNS: 29869, 29891

NE 03031Aa:

Coleura afra (Peters, 1852):
ROM: 39913, 39914, 39915, 39916, 39917, 39918, 39919, 39920, 39921, 39922, 39924, 39925, 39926, 39927.
Miniopterus natalensis (A. Smith, 1833):
ROM: 39923

NE 03031Ad:

Cardioderma cor (Peters, 1872):
ZMB: T09625, T10366.
Nycteris macrotis Dobson, 1876:
BMNH: 1962.2003

NE 03031Da:

Epomophorus labiatus (Temminck, 1837):
USNM: 587142, 587143, 587144, 587145, 587146, 587147, 587148, 587149, 587150, 587151, 587152, 587732, 587739, 587740.
Glauconycteris variegata (Tomes, 1861):
USNM: 587727, 587729, 587730, 587731, 587733, 587734.
Micropteropus pusillus (Peters, 1868):
ROM: 65859.
Mimetillus moloneyi (Thomas, 1891):
SMF: 39436.

Mops (Mops) demonstrator (Thomas, 1903):
ROM: 59142.
Mops (Mops) trevori J.A. Allen, 1917:
BMNH: 1963.1154.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ROM: 59143.
Myotis bocagii (Peters, 1870):
ROM: 59145, 59156, 59157, 59158, 59159.
Neoromicia helios (Heller, 1912):
ROM: 59155.
Nycteris G. Cuvier and E. Geoffroy, 1795:
USNM: 587736, 587737, 587738.
Scotoecus Thomas, 1901:
USNM: 587724.
Scotoecus albofuscus (Thomas, 1890):
ROM: 59139, 59140.
Scotoecus hindei Thomas, 1901:
BMNH: 1963.1151.
Scotoecus hirundo (de Winton, 1899):
ROM: 59146, 59147, 59153, 59154, 59162, 59163, 59164, 59165.
Scotophilus dinganii (A. Smith, 1833):
ROM: 59149, 59267.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1964.159. - **ROM:** 59151, 59161.
VESPERTILIONOIDEA Gray, 1821:
USNM: 587722, 587723, 587725, 587726, 587728, 587735

NE 03031Dc:

Chaerephon Dobson, 1874:
USNM: 587669.
Epomophorus Bennett, 1836:
USNM: 590933.
Epomophorus labiatus (Temminck, 1837):
SMNS: 29866, 29889, 29890. - **USNM:** 586895, 586896, 586897, 586898, 586899, 586900, 586901, 586902, 586903, 586905, 586906, 586907, 586908, 586909, 586965, 587018, 587020, 587021, 587024, 587025, 587029, 587033, 587034, 587037, 587038, 587039, 587040, 587041, 587060, 587063, 587078, 587079, 587080, 587081, 587082, 587083, 587126, 587127, 587128, 587129, 587130, 587131, 587135, 587136, 587137, 587138, 587140, 587632, 587633, 587636, 587638, 587639, 587640, 587641, 587642, 587643, 587690, 587691, 587692, 587693, 587694, 587695, 587696, 587697, 587698, 587699, 587700, 587701, 587703, 587705, 587710, 587712, 587716, 587717, 587718, 587719, 587720, 587721, 587741, 587742, 587748, 587749.
Glauconycteris variegata (Tomes, 1861):
USNM: 586593, 586594, 587654, 587664, 587680, 587682, 587684, 587688, 587745.
Hipposideros Gray, 1831:
USNM: 586919, 586920, 586921, 586925, 586927, 586928, 586929, 586930, 586931, 586932, 586933, 586934, 586935, 586967, 587004, 587005, 587007, 587008, 587009, 587010, 587011, 587747, 587751.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 166604.
Micropteropus pusillus (Peters, 1868):
USNM: 586904, 586938, 586951, 586968, 587016, 587032, 587062, 587125, 587139, 587161, 587637, 587685.
MOLOSSIDAE Gervais, 1856:
USNM: 586979, 586980, 586981, 586982, 586983, 586984, 586985, 586986, 586987, 586988, 587019, 587053, 587058, 587066, 587067, 587068, 587069, 587070, 587071, 587072, 587073, 587074, 587075, 587076, 587077, 587084, 587085, 587086, 587087, 587088, 587089, 587090, 587096, 587097, 587098, 587099, 587100, 587101, 587102, 587103, 587104, 587105, 587106, 587107, 587108, 587109, 587110, 587111, 587112, 587113, 587114, 587115, 587116, 587117, 587118, 587119, 587120, 587121, 587122, 587156, 587157, 587158, 587159, 587160, 587162, 587163, 587164, 587165, 587166, 587167, 587168, 587169, 587170, 587171, 587172, 587173, 587174, 587175, 587180, 587181, 587182, 587183, 587184, 587185, 587186, 587187, 587188, 587189, 587190, 587191, 587194, 587195, 587196, 587197, 587198, 587199, 587200, 587201, 587202, 587649, 587652, 587675, 587677, 587683, 587686, 587689.
Neoromicia Roberts, 1926:
USNM: 587057, 587061, 587629, 587630, 587631, 587646, 587666, 587702, 587704, 587706, 587708.
Neoromicia rendalli (Thomas, 1889):
USNM: 587653.
Nycteris G. Cuvier and E. Geoffroy, 1795:
USNM: 586963, 587043, 587133, 587711, 587713, 587714, 587715, 587743, 587746.
Nycteris macrotis Dobson, 1876:
USNM: 586950, 587014.
Rhinolophus Lacépède, 1799:
USNM: 586915, 586922, 587750.
Rhinolophus denti Thomas, 1904:
USNM: 586914, 586916, 586917, 586924, 586926.
Rhinolophus eloquens K. Andersen, 1905:
USNM: 587002, 587003, 587064, 587065.
Rhinolophus simulator K. Andersen, 1904:
USNM: 586918, 586923.

Scotoecus Thomas, 1901:
USNM: 586962, 587050, 587051, 587052, 587095, 587661, 587668, 587672, 587681, 587687, 587707, 587744, 587753.
Scotophilus Leach, 1821:
USNM: 586957, 586958, 586959, 586960, 586961, 586964, 586966, 586996, 586997, 586998, 586999, 587000, 587015, 587017, 587028, 587030, 587035, 587036, 587048, 587049, 587054, 587055, 587056, 587059, 587141, 587645, 587655, 587656, 587657, 587658, 587659, 587660, 587662, 587663, 587665, 587667, 587670, 587673, 587674, 587676, 587679, 587709.
Taphozous E. Geoffroy St.-Hilaire, 1818:
USNM: 587628, 587635.
VESPERTILIONOIDEA Gray, 1821:
USNM: 587022, 587023, 587031, 587634, 587644, 587647, 587648, 587650, 587651, 587671, 587678, 587752, 587754, 587755

NE 03031Bd:

Epomophorus labiatus (Temminck, 1837):
FMNH: 149650.
Micropteropus pusillus (Peters, 1868):
FMNH: 149677

NE 03031Db:

Epomophorus labiatus (Temminck, 1837):
FMNH: 149651, 149652, 149653, 149654, 149655, 149656, 149657, 149658.
Micropteropus pusillus (Peters, 1868):
FMNH: 149678, 149679, 149680, 149681, 149682, 149683, 149684, 149685, 149686, 149687, 149688, 149689, 149690.
Miniopterus natalensis (A. Smith, 1833):
ROM: 68689, 68690.
Mops (Mops) trevori J.A. Allen, 1917:
BMNH: 1964.190, 1964.191, 1964.192, 1964.193, 1964.194, 1964.195, 1964.196, 1964.197, 1964.198. - **ROM:** 36489, 36490.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1962.2005.
Pipistrellus rueppellii fuscipes Thomas, 1913:
FMNH: 149697, 149698.
Scotoecus albofuscus (Thomas, 1890):
FMNH: 149696.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 68681.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ROM: 68684.
Triaenops afer Peters, 1877:
ROM: 68694, 68695, 68696, 68697, 68698, 68699, 68700, 68701, 68702, 68703, 68704

NE 03031Dd:

Mimetillus moloneyi (Thomas, 1891):
FMNH: 78758, 78759.
Neoromicia helios (Heller, 1912):
FMNH: 67320.
Nycteris macrotis Dobson, 1876:
FMNH: 67341, 67342, 67343.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 67339, 78190, 78191. - **ZMUC:** 3165, 3174.
Pipistrellus rueppellii fuscipes Thomas, 1913:
FMNH: 68114.
Scotoecus hindei Thomas, 1901:
FMNH: 78217.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 67312, 67313

NE 03032Ca:

Hipposideros tephrus (Cabrera, 1906):
AMNH: 184485, 184488. - **FMNH:** 67987.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 166509, 166638.
Neoromicia helios (Heller, 1912):
AMNH: 184466, 184467, 184468, 184469, 184489, 184490, 184491, 184492. - **FMNH:** 67319. - **ROM:** 78325.
Neoromicia rendalli (Thomas, 1889):
CAS: 12198.
Neoromicia somalica (Thomas, 1901):
USNM: 166529, 166532.
Nycteris hispida (Schreber, 1774):
AMNH: 184481, 184482, 184483, 184484, 184486, 184487.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 184454. - **FMNH:** 67986, 68143, 68144, 68145, 68160, 77615.
Pipistrellus rusticus (Tomes, 1861):
FMNH: 78751.
Scotoecus hirundo (de Winton, 1899):
USNM: 166530, 166531.
Taphozous hamiltoni Thomas, 1920:
FMNH: 79596, 79599.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
AMNH: 184493, 184494. - **FMNH:** 67863, 67864, 67865, 67966, 67967, 67968, 67969, 67970, 67971, 67972, 67973, 67974, 67975, 68086, 68087, 68088, 68089, 68090, 68091, 68092, 68172, 68173, 79597, 79598.
Taphozous perforatus sudani Thomas, 1915:
AMNH: 184456, 184457, 184495

NE 03032Dc:

Doryrhina cyclops (Temminck, 1853):
FMNH: 79635, 79636.
Micropteropus pusillus (Peters, 1868):
FMNH: 79588.
Nycteris hispida (Schreber, 1774):
FMNH: 78476, 78477, 78755, 78756, 78757, 79592, 79593, 79594, 79595

NE 03032Dd:

Doryrhina cyclops (Temminck, 1853):
FMNH: 78170.
Neoromicia nana (Peters, 1852):
FMNH: 77636, 77637, 78233, 78234, 78235, 78236, 78237, 78238, 78239, 79559, 79564

NE 03033Aa:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1962.468

NE 03035Ba:

Nycteris aurita (K. Andersen, 1912):
BMNH: 1969.199.
Nycticeinops schlieffenii (Peters, 1859):
AMNH: 212342

NE 03035Db:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 73395, 73396, 73397, 73398, 73399, 73400, 73401.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 237378.
Neoromicia helios (Heller, 1912):
CM: 114455, 114456, 114457, 114458, 114459.
Nycteris aurita (K. Andersen, 1912):
AMNH: 212340.
Nycteris hispida (Schreber, 1774):
BMNH: 1973.113

NE 03036Aa:

Cardioderma cor (Peters, 1872):
ROM: 66044, 66045, 66046.
Epomophorus minor Dobson, 1880:
ROM: 66049, 66050, 66051, 66052, 66053.
Hipposideros caffer (Sundevall, 1846):
ROM: 45939, 45940.
Neoromicia zuluensis (Roberts, 1924):
ROM: 36349, 36350, 36351, 36352, 36353.
Scotophilus dinganii (A. Smith, 1833):
ROM: 66047, 66048

NE 03036Ac:

Rhinopoma cystops Thomas, 1903:
WNMU: 563.
Rhinopoma macinnesi Hayman, 1937:
BMNH: 1936.11.4.45, 1936.11.4.46. - **FMNH:** 152414, 152415. - **ROM:** 40161, 78111

NE 03036Ca:

Nycteris hispida (Schreber, 1774):
BMNH: 1973.112.
Nycticeinops schlieffenii (Peters, 1859):
FMNH: 152740.
Rhinopoma cystops Thomas, 1903:
BMNH: 1975.2760_1, 1975.2760_2.
Rhinopoma macinnesi Hayman, 1937:
BMNH: 1975.2760, 1975.2761. - **FMNH:** 152411, 152412, 152413. - **ROM:** 36700, 36701, 36702, 36711, 36712, 36713, 36714, 36715, 36716, 36717, 36718, 36719, 36720, 36721, 36722, 36723, 36724, 36725, 36726, 36727, 36728, 36729, 78110, 85727, 85728, 85729, 85730, 85731, 85732, 85733, 85734, 85735, 85760.
Taphozous hamiltoni Thomas, 1920:
FMNH: 153047, 153048. - **NMK:** 7172, 7173, 7346. - **SMF:** 46544, 46545.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
WNMU: 369

NE 03036Cd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 52243

NE 03039Bd:

Hipposideros caffer (Sundevall, 1846):
ROM: 68189, 68192, 68193, 68194, 68195.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 68196.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 68190.
Triaenops afer Peters, 1877:
ROM: 68191

NE 03040Ac:

Platymops setiger macmillani Thomas, 1906:
ROM: 68197

NE 03041Cc:

Cardioderma cor (Peters, 1872):
ROM: 75615, 75619.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 75616.
Triaenops afer Peters, 1877:
ROM: 75617, 75618, 75620

NE 03045Ba:

Neoromicia helios (Heller, 1912):
MZUF: 3045

NE 03045Dc:

Epomophorus minimus Claessen & De Vree, 1991:
CM: 85120, 85122, 85124, 85125, 85126, 85603, 85608, 85609, 85610, 85613, 85615, 85622, 85623, 85624, 85625, 85626, 85627, 85629, 85631, 85632, 85634, 85636, 85637, 85638, 85640.
Neoromicia helios (Heller, 1912):
CM: 85367

NE 02009Bb:

Myotis bocagii (Peters, 1870):
EBD: MAM 17639

NE 02009Bd:

Epomops franqueti (Tomes, 1860):
RMCA: 75.056-M-0121, 75.056-M-0122, 75.056-M-0123, 75.056-M-0124, 75.056-M-0125, 75.056-M-0126, 75.056-M-0127, 75.056-M-0128, 75.056-M-0129, 75.056-M-0130, 75.056-M-0131, 75.056-M-0132, 75.056-M-0133, 75.056-M-0134, 75.056-M-0135, 75.056-M-0136, 75.056-M-0137, 75.056-M-0138, 75.056-M-0139, 75.056-M-0140, 75.056-M-0143, 75.056-M-0144, 75.056-M-0145, 75.056-M-0146, 75.056-M-0148, 75.056-M-0149, 75.056-M-0154, 75.056-M-0155, 75.056-M-0156, 75.056-M-0157, 75.056-M-0158, 75.056-M-0159.

Hipposideros ruber (Noack, 1893):
RMCA: 75.056-M-0153.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 75.056-M-0147, 75.056-M-0150, 75.056-M-0151, 75.056-M-0152, 75.056-M-0161, 75.056-M-0162, 75.056-M-0163, 75.056-M-0164.
Micropteropus pusillus (Peters, 1868):
RMCA: 75.056-M-0142.
Myonycteris torquata (Dobson, 1878):
RMCA: 75.056-M-0160.
Nycteris arge Thomas, 1903:
MNHN: ZM-MO-1993-4652.
Nycteris grandis Peters, 1865:
MNHN: ZM-MO-1993-4651.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 75.056-M-0141

NE 02009Db:

Micropteropus pusillus (Peters, 1868):
ZMA: MAM.23518, MAM.23519

NE 02009Dd:

Eidolon helvum (Kerr, 1792):
CM: 5158. - **ZMH:** 38192.
Eidolon helvum helvum (Kerr, 1792):
MNHN: ZM-MO-1979-321. - **ROM:** 54940.
Epomops franqueti (Tomes, 1860):
ROM: 37758, 54937, 54938, 54939, 56276, 56277, 56278. - **ZMB:** 9041.
Glauconycteris argentata (Dobson, 1875):
ROM: 54932, 56275.
Glauconycteris variegata (Tomes, 1861):
MNHN: ZM-MO-1985-498, ZM-MO-1985-499, ZM-MO-1985-500, ZM-MO-1985-501, ZM-MO-1985-502.
Hipposideros ruber (Noack, 1893):
MCZ: 8869. - **MNHN:** ZM-MO-1986-1047.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 54941.
Megaloglossus woermanni Pagenstecher, 1885:
MNHN: ZM-MO-1979-168, ZM-MO-1979-169, ZM-MO-1979-170, ZM-MO-1979-171, ZM-MO-1979-172, ZM-MO-1979-173, ZM-MO-1979-174, ZM-MO-1979-175.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1979-232, ZM-MO-1979-233. - **ROM:** 54933.
Myonycteris angolensis (Bocage, 1898):
ROM: 56266.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1983-1031.
Nycteris arge Thomas, 1903:
MHNG: 1626.003.
Nycteris grandis Peters, 1865:
MCZ: 8868. - **ROM:** 56256, 56257, 56258, 56259, 56271, 56272.
Rhinolophus landeri Martin, 1838:
ROM: 54942.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 54935, 54936.
Scotonycteris zenkeri Matschie, 1894:
MNHN: ZM-MO-1979-343, ZM-MO-1979-344. - **ROM:** 54934

NE 02010Aa:

Myotis bocagii (Peters, 1870):
EBD: MAM 13943, MAM 13944

NE 02010Ac:

Casinycteris campomaanensis Hassanin, 2014:
MNHN: ZM-2011-637.
Eidolon helvum (Kerr, 1792):
MNHN: ZM-2011-638, ZM-2011-639.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-2011-648, ZM-2011-649, ZM-2011-650, ZM-2011-651, ZM-2011-652, ZM-2011-653.
Megaloglossus woermanni Pagenstecher, 1885:
MNHN: ZM-2011-663, ZM-2011-664, ZM-2011-665, ZM-2011-666, ZM-2011-667.
Myonycteris torquata (Dobson, 1878):
MNHN: ZM-2011-668, ZM-2011-669, ZM-MO-1993-4653, ZM-MO-1993-4654.

Scotonycteris zenkeri Matschie, 1894:
MNHN: ZM-2011-681, ZM-2011-682

NE 02010Cd:

Hipposideros ruber (Noack, 1893):
SMF: 6365, 6366, 6367, 6368.
Myotis bocagii (Peters, 1870):
SMF: 6394

NE 02010Bc:

Doryrhina cyclops (Temminck, 1853):
EBD: MAM 14886, MAM 14887, MAM 14888. - **RMCA:** 73.018-M-0115, 73.018-M-0193.
Hipposideros ruber (Noack, 1893):
EBD: MAM 14889, MAM 14890, MAM 14891, MAM 14892, MAM 14893, MAM 14894, MAM 14895, MAM 14896, MAM 14897, MAM 14898.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 73.018-M-0057, 73.018-M-0214.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 73.018-M-0189.
Myonycteris torquata (Dobson, 1878):
RMCA: 73.018-M-0086.
Myotis bocagii (Peters, 1870):
RMCA: 73.018-M-0181.
Rhinolophus alcyone Temminck, 1853:
RMCA: 73.018-M-0132.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 73.018-M-0327.
Scotophilus nux Thomas, 1904:
RMCA: 73.018-M-0182

NE 02010Dc:

Doryrhina cyclops (Temminck, 1853):
USNM: 125439, 83623, 83624.
Hipposideros ruber (Noack, 1893):
NMV: C1290. - **RMCA:** 2626. - **USNM:** 125440.
Hypsugo crassulus (Thomas, 1904):
BMNH: 1904.2.8.1. - **MCZ:** 17844.
Miniopterus inflatus Thomas, 1903:
BMNH: 1903.2.4.8.
Mops (Xiphonycteris) thersites (Thomas, 1903):
BMNH: 1904.2.8.4.
Myotis bocagii cupreolus Thomas, 1904:
BMNH: 1903.2.4.6.
Nycteris arge Thomas, 1903:
BMNH: 1904.2.8.2, 1904.2.8.3.
Pipistrellus nanulus Thomas, 1904:
BMNH: 1904.2.8.8, 1905.5.23.13.
Scotophilus nux Thomas, 1904:
BMNH: 1903.2.4.5.
Taphozous E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1952-488

NE 02011Ac:

Casinycteris argynnis Thomas, 1910:
RMCA: 73.018-M-0093, 73.018-M-0188.
Doryrhina cyclops (Temminck, 1853):
RMCA: 73.018-M-0106, 73.018-M-0107, 73.018-M-0108, 73.018-M-0109, 73.018-M-0110, 73.018-M-0111, 73.018-M-0112, 73.018-M-0113, 73.018-M-0114, 73.018-M-0194.
Epomops franqueti (Tomes, 1860):
RMCA: 73.018-M-0025, 73.018-M-0026, 73.018-M-0027, 73.018-M-0183.
Hipposideros camerunensis Eisentraut, 1956:
RMCA: 73.018-M-0094, 73.018-M-0095, 73.018-M-0096, 73.018-M-0097, 73.018-M-0098, 73.018-M-0099, 73.018-M-0100, 73.018-M-0192.
Macronycteris vittatus (Peters, 1852):
RMCA: 73.018-M-0101, 73.018-M-0102, 73.018-M-0103, 73.018-M-0104, 73.018-M-0105, 73.018-M-0195, 73.018-M-0196, 73.018-M-0197, 73.018-M-0198.
Myonycteris torquata (Dobson, 1878):
RMCA: 73.018-M-0087.
Nycteris arge Thomas, 1903:
RMCA: 73.018-M-0148, 73.018-M-0149.

Rhinolophus alcyone Temminck, 1853:
RMCA: 73.018-M-0129, 73.018-M-0130, 73.018-M-0131.
Scotonycteris zenkeri Matschie, 1894:
RMCA: 73.018-M-0090, 73.018-M-0091, 73.018-M-0190, 73.018-M-0191.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 73.018-M-0116

NE 02011Cc:

Doryrhina cyclops (Temminck, 1853):
MCZ: 14792.
Eidolon helvum (Kerr, 1792):
FMNH: 74227, 74228, 74229, 74230, 74231, 74232, 74233.
Eidolon helvum helvum (Kerr, 1792):
MVZ: 89603.
Hipposideros beatus (K. Andersen, 1906):
MCZ: 14819, 14820.
Hipposideros ruber (Noack, 1893):
AMNH: 54435, 54436, 54437. - **FMNH:** 74234, 74235. - **MCZ:** 14807, 14808, 14809, 14810, 14811, 14812, 14813.
Kerivoula lanosa (A. Smith, 1847):
FMNH: 34067. - **MCZ:** 14845, 14846, 14847, 14848.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
MCZ: 14639.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
FMNH: 74237, 74238.
Myonycteris torquata (Dobson, 1878):
AMNH: 54426. - **MCZ:** 14790, 14791.
Neoromicia nana (Peters, 1852):
MCZ: 14840, 14841, 14842, 14843, 14844.
Nycteris arge Thomas, 1903:
MCZ: 14851, 14860, 14862.
Nycteris hispida (Schreber, 1774):
MCZ: 14849, 14861, 14863.
Nycteris nana (K. Andersen, 1912):
FMNH: 74236. - **MCZ:** 14850.
Pipistrellus nanulus Thomas, 1904:
CM: 42329.
Rhinolophus alcyone Temminck, 1853:
HNHM: 95.51.1, 95.51.2

NE 02011Ad:

Glauconycteris curryae Eger and Schlitter, 2001:
CM: 58540.
Neoromicia brunnea (Thomas, 1880):
CM: 58498, 58499.
Neoromicia tenuipinnis (Peters, 1872):
CM: 58516, 58517, 58518, 58519.
Pipistrellus nanulus Thomas, 1904:
CM: 58577, 58582

NE 02011Dd:

Eidolon helvum (Kerr, 1792):
ZMB: 18369.
Epomops franqueti (Tomes, 1860):
CM: 10312, 10313, 10314, 9508.
Glauconycteris variegata (Tomes, 1861):
MCZ: 34030.
Hypsugo musciculus (Thomas, 1913):
MHNG: 914.042, 914.043, 914.044, 914.045, 914.046, 914.047.
Megaloglossus woermanni Pagenstecher, 1885:
CM: 9507. - **MCZ:** 34185.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
MCZ: 34032, 34033.
Nycteris grandis Peters, 1865:
ZFMK: 1962.0203, 1962.0204.
Nycteris major (K. Andersen, 1912):
MHNG: 913.067, 913.068.
Pipistrellus nanulus Thomas, 1904:
CM: 10318. - **MHNG:** 914.056, 914.057

NE 02012Ac:

Epomops franqueti (Tomes, 1860):
RMCA: 73.018-M-0041, 73.018-M-0042, 73.018-M-0043, 73.018-M-0044, 73.018-M-0045, 73.018-M-0046, 73.018-M-0047, 73.018-M-0048, 73.018-M-0049, 73.018-M-0050, 73.018-M-0051, 73.018-M-0052, 73.018-M-0053, 73.018-M-0054, 73.018-M-0055, 73.018-M-0056.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 73.018-M-0077, 73.018-M-0078.
Myonycteris torquata (Dobson, 1878):
RMCA: 73.018-M-0088.
Pipistrellus nanulus Thomas, 1904:
RMCA: 73.018-M-0233

NE 02012Cc:

Doryrhina cyclops (Temminck, 1853):
RMCA: 73.016-M-0307, 73.016-M-0308.
Epomops franqueti (Tomes, 1860):
RMCA: 73.016-M-0109, 73.016-M-0110, 73.016-M-0685.
Hipposideros curtus G.M. Allen, 1921:
RMCA: 73.016-M-0306.
Myonycteris angolensis (Bocage, 1898):
RMCA: 73.016-M-0637, 73.016-M-0638.
Nycteris nana (K. Andersen, 1912):
RMCA: 73.016-M-0144

NE 02012Ab:

Epomops franqueti (Tomes, 1860):
FMNH: 162155, 162199.
Pipistrellus Kaup, 1829:
FMNH: 162158, 162200.
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
FMNH: 162156, 162157

NE 02012Ad:

Epomops franqueti (Tomes, 1860):
RMCA: 73.018-M-0034, 73.018-M-0035, 73.018-M-0036, 73.018-M-0037, 73.018-M-0038, 73.018-M-0039, 73.018-M-0040.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 73.018-M-0074, 73.018-M-0079, 73.018-M-0080, 73.018-M-0081, 73.018-M-0082, 73.018-M-0083, 73.018-M-0084, 73.018-M-0085.
Scotonycteris zenkeri Matschie, 1894:
RMCA: 73.018-M-0092

NE 02013Da:

Hypsugo musciculus (Thomas, 1913):
ROM: 69135

NE 02013Dd:

Doryrhina cyclops (Temminck, 1853):
RMCA: 75.056-M-0070.
Epomops franqueti (Tomes, 1860):
RMCA: 75.056-M-0050, 75.056-M-0051, 75.056-M-0052, 75.056-M-0053, 75.056-M-0054, 75.056-M-0055, 75.056-M-0056, 75.056-M-0057, 75.056-M-0058, 75.056-M-0059, 75.056-M-0060, 75.056-M-0063, 75.056-M-0065, 75.056-M-0066, 75.056-M-0067, 75.056-M-0068, 75.056-M-0069, 75.056-M-0071, 75.056-M-0173, 75.056-M-0174.
Macronycteris vittatus (Peters, 1852):
RMCA: 75.056-M-0064.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 75.056-M-0061.
Scotonycteris zenkeri Matschie, 1894:
RMCA: 75.056-M-0062

NE 02014Ad:

Glauconycteris beatrix Thomas, 1901:
HNHM: 23262

NE 02014Ba:

Doryrhina cyclops (Temminck, 1853):
RMCA: 92.086-M-0001

NE 02014Dc:

Eidolon helvum (Kerr, 1792):
ZMB: 54703

NE 02015Ab:

Epomops franqueti (Tomes, 1860):
RMCA: 77.032-M-0144, 77.032-M-0145, 77.032-M-0146, 77.032-M-0147, 77.032-M-0148, 77.032-M-0149, 77.032-M-0150, 77.032-M-0151, 77.032-M-0152, 77.032-M-0153, 77.032-M-0154, 77.032-M-0155.
Myonycteris torquata (Dobson, 1878):
RMCA: 77.032-M-0169, 77.032-M-0170, 77.032-M-0171

NE 02015Cb:

Myonycteris torquata (Dobson, 1878):
BMNH: 1933.8.4.19

NE 02019Cd:

Chaerephon major (Trouessart, 1897):
MHNG: 1870.098, 1870.099, 1870.100, 1871.001. - **USNM:** 463518, 463519, 463520, 463521, 537748, 537749, 537750, 537752.
Chaerephon nigeriae Thomas, 1913:
USNM: 463522, 537751.
Chaerephon russatus J.A. Allen, 1917:
USNM: 537762.
Doryrhina cyclops (Temminck, 1853):
MHNG: 1870.045. - **USNM:** 537712.
Eidolon helvum (Kerr, 1792):
USNM: 537699.
Epomops franqueti (Tomes, 1860):
MHNG: 1870.040, 1870.042. - **USNM:** 463474.
Glauconycteris argentata (Dobson, 1875):
MHNG: 1870.074.
Hipposideros caffer (Sundevall, 1846):
USNM: 537709.
Megaloglossus woermanni Pagenstecher, 1885:
USNM: 537700.
Mops (Mops) condylurus (A. Smith, 1833):
MHNG: 1743.060, 1870.046, 1870.047, 1870.048, 1870.049, 1870.050, 1870.051, 1870.052. - **USNM:** 463507, 463508, 463509, 463510, 463511, 463512, 463513, 463514, 463515, 537738, 537739, 537740, 537741.
Mops (Mops) congicus J.A. Allen, 1917:
MHNG: 1870.043, 1870.044. - **TTU:** 36358. - **USNM:** 463516, 463517, 537742, 537743, 537745, 537746.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 537769.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
USNM: 537758, 537759, 537760, 537761.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
USNM: 537757.
Mops (Xiphonycteris) thersites (Thomas, 1903):
MHNG: 1871.007, 1871.008, 1871.009. - **USNM:** 463530.
Myotis bocagii (Peters, 1870):
MHNG: 1870.089. - **USNM:** 537721.
Neoromicia nana (Peters, 1852):
CM: 86794, 86796, 86797, 86798, 86799, 86800, 86802, 86803, 86804. - **MHNG:** 1870.082, 1870.083, 1870.084, 1870.085, 1870.086, 1870.087, 1870.088. - **USNM:** 463498, 463499, 463500, 463501, 463502, 463503, 537722, 537723.
Neoromicia rendalli (Thomas, 1889):
CM: 86668, 86669, 86672, 86673, 86674, 86675, 86676, 86677, 86678, 86679, 86782.
Neoromicia tenuipinnis (Peters, 1872):
CM: 86667. - **USNM:** 463506.
Nycteris hispida (Schreber, 1774):
USNM: 537703, 537705.
Scotophilus dinganii (A. Smith, 1833):
USNM: 537728, 537729

NE 02020Ad:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 18097.
Glauconycteris poensis (Gray, 1842):
RMCA: 18092.
Neoromicia nana (Peters, 1852):
RMCA: 18093, 18094, 18095, 18096

NE 02020Bc:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 12678

NE 02021Cd:

Kerivoula Gray, 1842:
RMCA: 14263a.
Nycteris arge Thomas, 1903:
RMCA: 14263b

NE 02021Ba:

Hypsignathus monstrosus H. Allen, 1862:
RMCA: 25841, 25842, 25843, 25844, 25845, 25846, 9574, 9575

NE 02021Da:

Hipposideros beatus (K. Andersen, 1906):
MHNG: 1870.095, 1870.096.
Nycteris arge Thomas, 1903:
MHNG: 1870.092

NE 02021Bd:

Nycteris arge Thomas, 1903:
RMCA: 5443

NE 02021Db:

Chaerephon aloysiisabaudiae (Festa, 1907):
USNM: 537737.
Doryrhina cyclops (Temminck, 1853):
USNM: 537711.
Epomops franqueti (Tomes, 1860):
MHNG: 1870.041. - **USNM:** 463471, 463472, 463473, 537696, 537697.
Glauconycteris alboguttata J.A. Allen, 1917:
CM: 86658.
Glauconycteris curryae Eger and Schlitter, 2001:
CM: 86663.
Glauconycteris humeralis J.A. Allen, 1917:
CM: 110209.
Hipposideros beatus (K. Andersen, 1906):
MHNG: 1870.093, 1870.094. - **USNM:** 537707, 537708.
Hipposideros fuliginosus (Temminck, 1853):
USNM: 537713.
Hipposideros ruber (Noack, 1893):
MHNG: 1871.015, 1871.016. - **USNM:** 463482, 463483, 463484, 537714, 537715, 537716, 537717, 537718.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 463475, 537698.
Macronycteris gigas (Wagner, 1845):
USNM: 537710.
Mimetillus moloneyi (Thomas, 1891):
USNM: 537736.
Mops (Mops) congicus J.A. Allen, 1917:
USNM: 537744.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
USNM: 537747, 537768.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
USNM: 537754, 537756.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
USNM: 537753, 537755.
Mops (Xiphonycteris) thersites (Thomas, 1903):
MHNG: 1871.002, 1871.003, 1871.004, 1871.005, 1871.006. - **USNM:** 463523, 463524, 463525, 463526, 463527, 463528, 463529, 537763, 537764, 537765, 537766, 537767.
Myonycteris torquata (Dobson, 1878):
MHNG: 1871.014. - **USNM:** 537694, 537695.
Myotis bocagii (Peters, 1870):
MHNG: 1870.090. - **USNM:** 463485, 463486, 463487, 537719, 537720.
Neoromicia nana (Peters, 1852):
CM: 86790, 86791, 86792. - **MHNG:** 1870.078, 1870.079, 1870.080, 1870.081. - **USNM:** 463488, 463489, 463490, 463491, 463492, 463493, 463494, 463495, 463496, 463497.
Neoromicia tenuipinnis (Peters, 1872):

CM: 86666. - **MHNG:** 1871.010, 1871.011. - **USNM:** 463504, 463505, 537724, 537725. - **ZMMU:** S-180533, S-180534.
Nycteris grandis Peters, 1865:
USNM: 537706.
Nycteris hispida (Schreber, 1774):
USNM: 537704.
Nycteris nana (K. Andersen, 1912):
MHNG: 1870.097.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 463477, 463478, 463479, 463480, 463481.
Saccolaimus peli (Temminck, 1853):
TTU: 36355. - **USNM:** 463476, 537701, 537702.
Scotophilus dinganii (A. Smith, 1833):
USNM: 537726, 537727.
Scotophilus nux Thomas, 1904:
USNM: 537730, 537731, 537732, 537733, 537734, 537735

NE 02022Ab:

Mimetillus moloneyi (Thomas, 1891):
MHNG: 1870.091.
Neoromicia nana (Peters, 1852):
RMCA: 18114.
Pipistrellus Kaup, 1829:
MCZ: 23380, 23381, 25125, 25126, 25127, 25128, 25129, 25130

NE 02022Cd:

Epomops franqueti (Tomes, 1860):
RMCA: 88.011-M-0011.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 88.011-M-0026.
Neoromicia nana (Peters, 1852):
RMCA: 88.011-M-0018, 88.011-M-0019

NE 02022Bb:

Casinycteris argynnis Thomas, 1910:
UNIKIS: CRT1974.
Epomops franqueti (Tomes, 1860):
UNIKIS: CRT1917, CRT1921, CRT1929, CRT1939, CRT1940, CRT1978, CRT1984, CRT1999, CRT2000, CRT2011, CRT2012, CRT2014.
Hipposideros beatus (K. Andersen, 1906):
RMCA: a1.097-M-3217, a1.097-M-3218. - **UNIKIS:** CRT1909, CRT1973, CRT1975, CRT1983.
Hypsignathus monstrosus H. Allen, 1862:
UNIKIS: CRT1916.
Megaloglossus woermanni Pagenstecher, 1885:
UNIKIS: CRT1908, CRT1912, CRT1913, CRT1914, CRT1915, CRT1919, CRT1922, CRT1923, CRT1924, CRT1927, CRT1928, CRT1930, CRT1931, CRT1932, CRT1933, CRT1934, CRT1935, CRT1936, CRT1938, CRT1941, CRT1946, CRT1951, CRT1952, CRT1954, CRT1955, CRT1956, CRT1957, CRT1961, CRT1962, CRT1964, CRT1965, CRT1985, CRT1986, CRT1987, CRT1988, CRT1989, CRT1990, CRT1998, CRT2002, CRT2004, CRT2005, CRT2006, CRT2007, CRT2008, CRT2009, CRT2010, CRT2013, CRT2191, CRT2193.
Myonycteris torquata (Dobson, 1878):
RMCA: a1.097-M-3160. - **UNIKIS:** CRT1910, CRT1911, CRT1918, CRT1920, CRT1926, CRT1937, CRT1942, CRT1943, CRT1944, CRT1945, CRT1947, CRT1948, CRT1949, CRT1950, CRT1953, CRT1960, CRT1963, CRT1966, CRT1967, CRT1968, CRT1969, CRT1970, CRT1971, CRT1972, CRT1979, CRT1980, CRT1981, CRT1982.
Nycteris major (K. Andersen, 1912):
UNIKIS: CRT1959.
Rhinolophus Lacépède, 1799:
RMCA: a1.097-M-3216, a1.097-M-3222

NE 02023Da:

Eidolon helvum (Kerr, 1792):
RMCA: 19700, 19701, 19702, 20660, 4919, 4925, 4930, 4931, 4936, 4941a, 7641.
Epomops franqueti (Tomes, 1860):
RMCA: 20204.
Glauconycteris Dobson, 1875:
RMCA: 89.004-M-0001.
Glauconycteris beatrix Thomas, 1901:
RMCA: 20065.
Hipposideros ruber (Noack, 1893):
RMCA: 20280.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 19527, 19620, 20744, 21714, 7642.
Megaloglossus woermanni Pagenstecher, 1885:

RMCA: 19857.
Myotis bocagii (Peters, 1870):
RMCA: 21627.
Neoromicia nana (Peters, 1852):
RMCA: 20662.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 19461.
Nycteris arge Thomas, 1903:
BMNH: 1954.791, 1954.792. - **RMCA:** 19632.
Nycteris nana (K. Andersen, 1912):
RMCA: 20092.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 20641.
Rhinolophus hildebrandtii Peters, 1878:
RMCA: 89.004-M-0002.
Scotophilus nux Thomas, 1904:
RMCA: 20661.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 19462, 20213, 20214, 20215, 20216, 20217, 21277

NE 02023Dd:

Epomops franqueti (Tomes, 1860):
UNIKIS: AKETI616, AKETI617.
Glauconycteris beatrix Thomas, 1901:
UNIKIS: AKETI604.
Hipposideros beatus (K. Andersen, 1906):
UNIKIS: AKETI603.
Hipposideros caffer (Sundevall, 1846):
UNIKIS: AKETI618, AKETI621, AKETI626.
Kerivoula smithii Thomas, 1880:
UNIKIS: AKETI605, AKETI606, AKETI622, AKETI623, AKETI624, AKETI625.
Megaloglossus woermanni Pagenstecher, 1885:
UNIKIS: AKETI608, AKETI609, AKETI610, AKETI611, AKETI612, AKETI613, AKETI614.
Neoromicia nana (Peters, 1852):
UNIKIS: AKETI607.
Nycticeinops schlieffenii (Peters, 1859):
UNIKIS: AKETI601, AKETI602

NE 02024Cc:

Nycteris arge Thomas, 1903:
RMCA: 8874.
Nycteris hispida (Schreber, 1774):
RMCA: 8873.
Nycteris macrotis Dobson, 1876:
RMCA: 16195

NE 02024Dc:

CHIROPTERA Blumenbach, 1779:
RMCA: 14904.
Doryrhina cyclops (Temminck, 1853):
RBINS: 13334, 13335.
Eidolon helvum (Kerr, 1792):
RMCA: 10127, 10128, 10129, 10130, 10131, 13697, 14943, 14944, 14945, 18838, 18839, 18840, 18841.
Epomops franqueti (Tomes, 1860):
RMCA: 11827, 12565, 12566, 12567, 12568, 12569, 12858, 12859, 13306, 13307, 13854, 14841, 17304, 18835, 9388.
Hipposideros beatus (K. Andersen, 1906):
RMCA: 16227.
Hipposideros ruber (Noack, 1893):
RMCA: 14582a, 14582b, 15329, 8918.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 12563, 12564, 12671, 12857, 13379, 13380, 17320, 17321, 6273, 8784.
Kerivoula cuprosa Thomas, 1912:
RMCA: 16190.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 16571.
Mimetillus moloneyi (Thomas, 1891):
RMCA: 15326, 16266, 16279, 19081.
Neoromicia capensis (A. Smith, 1829):
RMCA: 12590a, 12590b, 12590c.
Neoromicia nana (Peters, 1852):
RMCA: 14563a, 14563b, 14563c, 14581, 14586, 15731, 15732, 15733, 15734, 15735, 15736, 15911, 16273, 16274, 16572, 16573, 8877, 8921.

Neoromicia tenuipinnis (Peters, 1872):
RBINS: 14510. - **RMCA:** 13176, 13177, 13709a, 13709b, 13709c, 13859, 14564a, 14564b, 14564c, 14584a, 14584b, 14584c, 15325, 15327, 15328, 15397, 16186, 16188, 16245, 16280, 16281, 19459, 19460, 8922.
Nycteris arge Thomas, 1903:
RMCA: 13856, 13857, 13858, 16199, 9485.
Nycteris hispida (Schreber, 1774):
RMCA: 14562a, 14562b, 14585, 14903, 15737, 15738, 15739, 8876.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RBINS: 12932, 12933.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MCZ: 23934. - **RMCA:** 11590, 13855, 14565, 14947, 15324, 15777, 15954, 16282, 17303, 18842, 19079, 8920, 8929

NE 02024Bd:

Cardioderma cor (Peters, 1872):
UNIKIS: RBTL493.
Casinycteris argynnis Thomas, 1910:
UNIKIS: RBTL547.
CHIROPTERA Blumenbach, 1779:
UNIKIS: RBTL510, RBTL512.
Epomops franqueti (Tomes, 1860):
UNIKIS: RBTL483, RBTL484, RBTL485, RBTL496, RBTL500, RBTL501, RBTL506, RBTL507, RBTL508, RBTL509, RBTL511, RBTL513, RBTL517, RBTL518, RBTL519, RBTL523, RBTL524, RBTL525, RBTL526, RBTL527, RBTL531, RBTL532, RBTL533, RBTL535, RBTL536, RBTL537, RBTL538, RBTL539, RBTL543, RBTL544, RBTL545, RBTL546, RBTL552, RBTL553, RBTL559, RBTL560, RBTL561, RBTL565, RBTL566, RBTL567, RBTL568, RBTL569, RBTL570, RBTL571, RBTL572, RBTL573, RBTL574, RBTL578, RBTL579, RBTL580, RBTL581, RBTL582.
Glauconycteris argentata (Dobson, 1875):
MNHN: ZM-2016-2776, ZM-2016-2777, ZM-2016-2778.
Glauconycteris humeralis J.A. Allen, 1917:
MNHN: ZM-2016-2802.
Hipposideros caffer (Sundevall, 1846):
UNIKIS: RBTL497, RBTL498, RBTL499, RBTL528.
Hypsignathus monstrosus H. Allen, 1862:
UNIKIS: RBTL514.
Megaloglossus woermanni Pagenstecher, 1885:
UNIKIS: RBTL486, RBTL487, RBTL488, RBTL489, RBTL490, RBTL491, RBTL495, RBTL521, RBTL522, RBTL548, RBTL549, RBTL550, RBTL551, RBTL555, RBTL556, RBTL562, RBTL563, RBTL564, RBTL576, RBTL577.
Myonycteris torquata (Dobson, 1878):
UNIKIS: RBTL502, RBTL503, RBTL516, RBTL520, RBTL529, RBTL530, RBTL541, RBTL542, RBTL575.
Myotis bocagii (Peters, 1870):
UNIKIS: RBTL557, RBTL558.
Nycteris nana (K. Andersen, 1912):
UNIKIS: RBTL554.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
MNHN: ZM-2014-564. - **UNIKIS:** RBTL481, RBTL482, RBTL492, RBTL494, RBTL504, RBTL505, RBTL515, RBTL534, RBTL540

NE 02024Dd:

Glauconycteris alboguttata J.A. Allen, 1917:
MNHN: ZM-2016-2772, ZM-2016-2773, ZM-2016-2774, ZM-2016-2775.
Glauconycteris argentata (Dobson, 1875):
MNHN: ZM-2016-2779.
Glauconycteris beatrix Thomas, 1901:
MNHN: ZM-2016-2782, ZM-2016-2783

NE 02025Dd:

Hipposideros caffer (Sundevall, 1846):
RBINS: 6974.
Hypsignathus monstrosus H. Allen, 1862:
RBINS: 6963, 6964, 6965, 6966.
Mimetillus moloneyi (Thomas, 1891):
RBINS: 14519, 14520, 14521.
Neoromicia Roberts, 1926:
RBINS: 14508.
Neoromicia tenuipinnis (Peters, 1872):
RBINS: 14509.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 14463, 14465, 14467, 14468, 14469

NE 02026Ad:

Doryrhina cyclops (Temminck, 1853):
AMNH: 49391.
Epomops franqueti (Tomes, 1860):
AMNH: 48724, 49196, 51308.
Hipposideros ruber (Noack, 1893):
AMNH: 49405, 49406, 49407, 49408, 49409, 49410, 49411, 49412, 49413, 49414. - **MCZ:** 17224

NE 02026Dd:

Kerivoula smithii Thomas, 1880:
AMNH: 49306, 49336

NE 02027Ab:

Neoromicia nana (Peters, 1852):
AMNH: 48965

NE 02027Ad:

Casinycteris argynnis Thomas, 1910:
AMNH: 48751.
Chaerephon russatus J.A. Allen, 1917:
AMNH: 48911, 48912, 48913, 48914, 48915, 48916, 48917, 48918, 48919, 48920, 48921, 48922, 48923, 48925, 48926, 48927, 48928, 48929, 48931, 48935, 49219, 49265, 49266, 49278. - **BMNH:** 1970.2507. - **FMNH:** 43867. - **MCZ:** 17386, 17387. - **RMCA:** 12389.
Doryrhina cyclops (Temminck, 1853):
AMNH: 49093, 49094, 49095, 49096. - **RMCA:** 12379.
Eidolon helvum (Kerr, 1792):
RMCA: 4330.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 48698, 48699, 48700, 48701.
Epomops franqueti (Tomes, 1860):
AMNH: 48713, 48714, 48715, 48716, 48719, 48721, 48722, 48723, 48726, 49205, 51309. - **BMNH:** 1919.5.8.9. - **RMCA:** 12358, 12398, 4331.
Glauconycteris alboguttata J.A. Allen, 1917:
AMNH: 49317.
Glauconycteris humeralis J.A. Allen, 1917:
AMNH: 49012, 49013, 49312, 49315.
Hipposideros beatus (K. Andersen, 1906):
MCZ: 17374.
Hipposideros caffer (Sundevall, 1846):
AMNH: 49530.
Hipposideros ruber (Noack, 1893):
AMNH: 49104, 49105, 49106, 49107, 49108, 49109, 49184, 49185, 49186, 49187, 49378, 49379, 49380. - **RMCA:** 9180.
Kerivoula smithii Thomas, 1880:
AMNH: 49016.
Mimetillus moloneyi (Thomas, 1891):
AMNH: 48859, 49198.
Mops (Mops) congicus J.A. Allen, 1917:
AMNH: 48888, 48889, 48890, 48891, 48892, 48893, 48894, 48895, 48896, 48897, 48900, 49213, 49225, 49277, 49285. - **FMNH:** 43864. - **MCZ:** 17385. - **RMCA:** 12380.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
AMNH: 48819, 48820, 48821, 48822, 48823, 48824, 48825, 48826, 48828, 48829, 48830, 48831, 48832, 48833, 48834, 48835, 49224, 49252, 49253, 49258, 49260, 49267. - **FMNH:** 43876, 43877. - **MCZ:** 17390, 17391. - **RMCA:** 12391.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 48845, 48846, 48847, 48848, 48850. - **RMCA:** 12362.
Myonycteris torquata (Dobson, 1878):
AMNH: 48752, 48753, 48754, 48755.
Myotis bocagii (Peters, 1870):
RMCA: 12393.
Myotis bocagii cupreolus Thomas, 1904:
AMNH: 48997, 48999.
Neoromicia nana (Peters, 1852):
AMNH: 48966, 49291, 49304, 49308, 49314, 49338.
Nycteris arge Thomas, 1903:
AMNH: 49138, 49194.
Nycteris hispida (Schreber, 1774):
AMNH: 49143. - **RMCA:** 4343.
Saccolaimus peli (Temminck, 1853):
AMNH: 48762, 48763, 48765. - **RMCA:** 12378.
Scotophilus nux Thomas, 1904:
AMNH: 49286, 49287. - **BMNH:** 1919.5.8.13. - **RMCA:** 4344

NE 02027Ba:

Hypsignathus monstrosus H. Allen, 1862:
AMNH: 48631, 48632, 48635, 48654, 49280. - **FMNH:** 43873. - **RMCA:** 12360.
Myotis bocagii cupreolus Thomas, 1904:
AMNH: 48989, 48990, 48991, 48992, 48993, 48994, 48995, 48996, 49193, 49300, 49301. - **MCZ:** 17376.
Neoromicia nana (Peters, 1852):
AMNH: 48943, 48944, 48945, 48946, 48948, 48949, 48950, 48951, 48952, 48954, 48955, 48956, 48957, 48958, 48959, 48960, 48961, 48962, 48963, 48964, 49293, 49294, 49295, 49296, 49297, 49298, 49299, 49302, 49322. - **RMCA:** 12369.
Saccolaimus peli (Temminck, 1853):
AMNH: 48761

NE 02027Bc:

Hipposideros ruber (Noack, 1893):
RMCA: 14987, 14988.
Neoromicia nana (Peters, 1852):
RMCA: 15390, 15391, 15392, 15393, 15394, 15395.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 15388, 15389.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 15215

NE 02027Da:

Glauconycteris superba Hayman, 1939:
RMCA: 14765.
Kerivoula lanosa (A. Smith, 1847):
RMCA: 15729.
Nycteris arge Thomas, 1903:
RMCA: 15216, 15217, 15218, 15728.
Nycteris nana (K. Andersen, 1912):
RMCA: 15314.
Rhinolophus lobatus Peters, 1852:
RMCA: 15727.
Saccolaimus peli (Temminck, 1853):
RMCA: 14990, 14991, 14992

NE 02027Dc:

Epomops franqueti (Tomes, 1860):
RMCA: 17927, 17928.
Glauconycteris beatrix Thomas, 1901:
RMCA: 19820.
Hipposideros ruber (Noack, 1893):
RMCA: 18943b, 18944.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 20510.
Neoromicia guineensis (Bocage, 1889):
AMNH: 49339.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 17929, 17930, 20512.
Nycteris arge Thomas, 1903:
RMCA: 19819.
Nycteris hispida (Schreber, 1774):
RMCA: 20511.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 17931, 18569, 18943a

NE 02027Dd:

Hypsignathus monstrosus H. Allen, 1862:
AMNH: 48642

NE 02028Bb:

Myonycteris angolensis (Bocage, 1898):
MHNG: 1872.072, 1872.073, 1872.074, 1872.075, 1872.076, 1872.077

NE 02029Dc:

Hypsignathus monstrosus H. Allen, 1862:
RMCA: 8498, 8499, 8500, 8501.
Mimetillus moloneyi (Thomas, 1891):
RMCA: 16264, 16265

NE 02030Ba:

Doryrhina cyclops (Temminck, 1853):
RBINS: 18529.1, 18529.2, 18529.3.
Epomophorus labiatus (Temminck, 1837):
RBINS: 18528.1, 18528.2.
Glauconycteris argentata (Dobson, 1875):
RBINS: 18526.01, 18526.02, 18526.03, 18526.04, 18526.05, 18526.06, 18526.07, 18526.08, 18526.09, 18526.10, 18526.11, 18526.12, 18526.13, 18526.14, 18526.15, 18526.16, 18526.17, 18527.1, 18527.2, 18527.3, 18527.4.
Nycteris hispida (Schreber, 1774):
RMCA: 21899b.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 18530.1, 18530.2

NE 02030Da:

Epomophorus labiatus (Temminck, 1837):
RMCA: 20094, 20095, 20096

NE 02030Bb:

Epomophorus labiatus (Temminck, 1837):
RMCA: 17758.
Epomops Gray, 1866:
UNIKIS: ITU703, ITU704.
Micropteropus Matschie, 1899:
UNIKIS: ITU706, ITU710, ITU712, ITU714.
Micropteropus pusillus (Peters, 1868):
UNIKIS: ITU708.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
UNIKIS: ITU702

NE 02030Bd:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 17747

NE 02031Aa:

Epomophorus labiatus (Temminck, 1837):
RMCA: 9004.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 180906, 82385, 82386. - **RMCA:** 15959, 9003, 9005, 9006, 9007, 9008, 9009, 9010, 9011, 9060.
Nycteris hispida (Schreber, 1774):
AMNH: 82387.
Nycteris macrotis Dobson, 1876:
RMCA: 21898.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1954.797.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 82382

NE 02031Ac:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 16251

NE 02031Ca:

Epomophorus labiatus (Temminck, 1837):
ROM: 39885, 39886, 39887, 39888

NE 02031Ad:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
CAS: 11908, 11909

NE 02031Cd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 30700, 30701, 30702. - **USNM:** 164915, 164916, 164917, 164918, 164919, 164920, 164921, 164922, 164923, 164924, 164925, 164926, 164927, 164928, 164929, 164930, 164931, 164932, 164933, 164934, 164936, 164937, 166605,

166606, 166607, 166608, 166609, 166610, 166611, 166612, 166613, 166614, 166615, 166616, 166617, 166618, 166619, 166620, 166621, 166627, 166628, 166629, 166630, 166631, 166632, 166633, 166634.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 166519.
Pipistrellus rueppellii fuscipes Thomas, 1913:
FMNH: 29432.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 166597

NE 02031Bc:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 41766.
Mops (Mops) condylurus (A. Smith, 1833):
CAS: 12002, 12003

NE 02031Bd:

Nycteris hispida (Schreber, 1774):
ROM: 48709

NE 02032Cd:

Micropteropus pusillus (Peters, 1868):
ROM: 78091, 78092, 78093. - **USNM:** 351199.
Mops (Mops) demonstrator (Thomas, 1903):
BMNH: 1966.4137.
Scotophilus dinganii (A. Smith, 1833):
ROM: 59148, 59150

NE 02033Cd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1960.1982, 1962.484, 1962.485

NE 02033Ba:

Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.08279.
Nycteris hispida (Schreber, 1774):
FMNH: 67886, 67887, 67976, 67977, 67978, 67979, 67980, 67981, 67982, 67983, 67984, 67985

NE 02034Cd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1966.452

NE 02034Ba:

Eidolon helvum (Kerr, 1792):
CUMV: 19684

NE 02034Bc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 180098

NE 02034Db:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1913.10.18.9, 1966.3602

NE 02035Cc:

Nycticeinops schlieffenii (Peters, 1859):
ROM: 73262

NE 02035Ab:

Nycticeinops schlieffenii (Peters, 1859):
ROM: 40226, 40228

NE 02035Cb:

Scotophilus dinganii (A. Smith, 1833):
ROM: 40288

NE 02035Bb:

Cardioderma cor (Peters, 1872):
MCZ: 51576, 51577, 51578, 51579, 51580, 51581, 51582, 51583, 51584, 51585, 51586, 51587, 51588, 51589, 51599.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 51575, 51593, 51594, 51595, 51596, 51597, 51598

NE 02036Ac:

Neoromicia helios (Heller, 1912):
BMNH: 1969.207

NE 02036Cc:

Cardioderma cor (Peters, 1872):
RMCA: 5101, 5102, 5103, 5104, 5105, 5106, 5107, 5108, 5109, 5110, 5111, 5112, 5113, 5114, 5115, 5116, 5117, 5118, 5119, 5120, 5122, 5123, 5124, 5125

NE 02036Dc:

Taphozous hamiltoni Thomas, 1920:
FMNH: 153049, 153050, 153051, 153052. - **WNMU:** 366.
Taphozous nudiventris Cretzschmar, 1830:
ROM: 78104, 78105, 78106

NE 02036Bb:

Epomophorus minor Dobson, 1880:
KU: 151334

NE 02037Bd:

Hipposideros caffer (Sundevall, 1846):
ROM: 73263, 73264, 73265, 73266, 73267, 73268. - **YPM:** MAM 003111.
Neoromicia nana (Peters, 1852):
USNM: 184341, 184342, 184343, 184344, 184345, 184346.
Neoromicia somalica (Thomas, 1901):
USNM: 182676.
Nycteris hispida (Schreber, 1774):
USNM: 184320.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 182686, 184356, 184357, 184358, 184359.
Scotophilus dinganii (A. Smith, 1833):
USNM: 182694, 184367

NE 02043Dc:

Epomophorus minimus Claessen & De Vree, 1991:
MZUF: 2733, 2734.
Neoromicia tenuipinnis (Peters, 1872):
MZUF: 3070

NE 02044Cc:

Cardioderma cor (Peters, 1872):
BMNH: 2008.3

NE 02044Bb:

Chaerephon pumilus (Cretzschmar, 1826):
BRTC: 41943.
Epomophorus labiatus (Temminck, 1837):
TTU: 39172.
Epomophorus minimus Claessen & De Vree, 1991:
CM: 85108, 85109, 85110, 85111, 85114, 85115, 85116, 85118, 85599, 85600, 85601, 85602.
Epomophorus minor Dobson, 1880:
BRTC: 41881.

Epomophorus wahlbergi (Sundevall, 1846):
CM: 85132, 85133, 85134, 85136, 85137, 85138, 85139, 85140, 85142, 85143, 85144, 85145, 85146, 85769, 85770, 85772, 85774, 85776, 85778, 85780, 85782, 85784.
Mops (Mops) condylurus (A. Smith, 1833):
BRTC: 41944

NE 02045Aa:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 188288.
Epomophorus minimus Claessen & De Vree, 1991:
MZUF: 2074, 2075, 3037.
Epomophorus wahlbergi (Sundevall, 1846):
MZUF: 2051. - **USNM:** 543376.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1938-839, ZM-MO-1938-840

NE 02045Ab:

CHIROPTERA Blumenbach, 1779:
ZMB: T10218.
Coleura afra (Peters, 1852):
AMNH: 188255, 188256, 188257, 188258, 188259, 188260, 188261, 188262, 188263, 188264, 188265, 188266, 188267, 188268, 188269. - **ZMB:** 67427, 67428, 67429, 67430, 67431, 67432, 67433, 67434, 67435, 67436, 67437, 67438, 67439, 67440, 67441, 67442, 67443, 67444, 67445, 67446, 67447, 67448.
Epomophorus labiatus (Temminck, 1837):
ZMB: 67081.
Glauconycteris variegata (Tomes, 1861):
ZMB: 54045.
Hipposideros caffer (Sundevall, 1846):
AMNH: 188273, 188274, 188275, 188276, 188277, 188278, 188279, 188280, 188281, 188282, 188283, 188284. - **ZMB:** 67663, 67664, 67665, 67666, 67667, 67692, 67708, 67709, 67710, 67711, 67712, 67713, 67714, 67715, 67716, 67717, 67718, 67719, T10213.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 188287.
Neoromicia nana (Peters, 1852):
ZMB: T10215.
Nycteris macrotis Dobson, 1876:
MSNM: 1045.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMB: T10214.
Scotophilus dinganii (A. Smith, 1833):
ROM: 36383. - **ZMB:** T10216, T10217

NE 02045Ad:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 188289, 188290, 188291, 188292, 188293, 188294, 188295, 188296, 188297, 188298, 188299, 188300, 188301.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 188285, 188286

NE 02045Ba:

Cardioderma cor (Peters, 1872):
USNM: 543378.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 543379, 543380, 543381

NE 02045Dc:

Cardioderma cor (Peters, 1872):
BRTC: 41937. - **TTU:** 36356.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 166923, 166924, 166925, 166926, 166927, 166928.
Epomophorus minimus Claessen & De Vree, 1991:
CM: 85127, 85128, 85659, 85661, 85663, 85666, 85667, 85673, 85675, 85677, 85678, 85679, 85680, 85681, 85687, 85689, 85693, 85694, 85696, 85697, 85698, 85699, 85700, 85706, 85707, 85708, 85714, 85715, 85716, 85720, 85722, 85724, 85726, 85727, 85732, 85734, 85736, 85738, 85740, 85744, 85745, 85748, 85749, 85750, 85754, 85755, 85756, 85760, 85761, 85762, 85763, 85764, 85765, 85766, 85804, 85808.
Epomophorus wahlbergi (Sundevall, 1846):
CM: 85152, 85153, 85154, 85155, 85159, 85162, 85163, 85672, 85786, 85789, 85791, 85793, 85794, 85798, 85801. - **TTU:** 39173.
Macronycteris vittatus (Peters, 1852):
BRTC: 41938.

Neoromicia helios (Heller, 1912):
CM: 85368, 85369.
Neoromicia rendalli (Thomas, 1889):
CM: 85306, 85307, 85308, 85309, 85310, 85311.
Neoromicia somalica (Thomas, 1901):
BRTC: 41940. - **CM:** 85319, 85320, 85321, 85322, 85323, 85324, 85325, 85326, 85327, 85328, 85998.
Nycticeinops schlieffenii (Peters, 1859):
BRTC: 41941.
Pipistrellus hesperidus (Temminck, 1840):
CM: 94693

NE 01007Cb:

Eidolon helvum (Kerr, 1792):
EBD: MAM 20347.
Hipposideros caffer (Sundevall, 1846):
ZMB: 3468.
Hipposideros ruber (Noack, 1893):
CAS: 26790, 26791, 26792, 26793, 26794, 26795, 26796, 26797, 26798, 26799, 26800, 26801, 26802, 26803, 26804, 26805, 26806, 26807, 26808, 26809, 26810, 26811, 26812, 26813, 26814, 26815, 26816, 26817, 26818, 26819, 26820, 26821, 26822

NE 01009Da:

Epomops franqueti (Tomes, 1860):
BMNH: 1898.5.4.15. - **MNHN:** ZM-MO-1881-929.
Hipposideros beatus (K. Andersen, 1906):
BMNH: 1900.2.5.45.
Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1898.10.7.2, 1899.7.22.1, 1899.7.22.2.
Neoromicia brunnea (Thomas, 1880):
BMNH: 1898.5.4.18.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1885-839.
Nycteris arge Thomas, 1903:
BMNH: 1900.2.5.11.
Nycteris grandis Peters, 1865:
BMNH: 1898.5.4.5.
Nycteris hispida (Schreber, 1774):
BMNH: 1898.3.19.6, 1900.2.5.47.
Nycteris nana (K. Andersen, 1912):
BMNH: 1900.2.5.46.
Rhinolophus Lacépède, 1799:
MSB: 28897

NE 01009Bd:

Megaloglossus woermanni Pagenstecher, 1885:
MSB: 25217

NE 01009Dd:

Eidolon helvum (Kerr, 1792):
MSB: 25221, 25222. - **RMCA:** 33107, 33108.
Epomops franqueti (Tomes, 1860):
MSB: 25215, 25216.
Hipposideros ruber (Noack, 1893):
EBD: RM815, RM816.
Hypsignathus monstrosus H. Allen, 1862:
MSB: 28890.
Micropteropus pusillus (Peters, 1868):
MSB: 25223, 25224. - **SMF:** 37653, 37654, 37655, 37656, 37657, 37658.
Myonycteris torquata (Dobson, 1878):
MSB: 29922, 29923.
Nycteris hispida (Schreber, 1774):
MSB: 28892, 28893. - **RMCA:** 33109.
Rhinolophus landeri Martin, 1838:
MSB: 28896. - **RMCA:** 33110

NE 01010Ca:

Doryrhina cyclops (Temminck, 1853):
FMNH: 8232.
Hipposideros caffer (Sundevall, 1846):
MSB: 25205, 25206.

Myotis bocagii (Peters, 1870):
MSB: 25225

NE 01010Cc:

Myotis bocagii (Peters, 1870):
EBD: MAM 14164

NE 01010Cd:

Megaloglossus woermanni Pagenstecher, 1885:
MSB: 28891.
Miniopterus inflatus inflatus Thomas, 1903:
MSB: 28903, 28904.
Neoromicia nana (Peters, 1852):
MSB: 28900.
Pipistrellus nanulus Thomas, 1904:
MSB: 28901, 28902.
Rhinolophus alcyone Temminck, 1853:
MSB: 28894, 28895.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MSB: 25219

NE 01011Aa:

Mops (Xiphonycteris) thersites (Thomas, 1903):
MSB: 25212.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MSB: 25220

NE 01011Ac:

Epomophorus wahlbergi (Sundevall, 1846):
YPM: MAM 014563

NE 01011Ab:

Myotis bocagii (Peters, 1870):
EBD: MAM 14915, MAM 14916

NE 01011Da:

Hipposideros ruber (Noack, 1893):
ZMA: MAM.19699, MAM.19700, MAM.19701, MAM.19702.
Rhinolophus landeri Martin, 1838:
ZMA: MAM.19663, MAM.19664, MAM.19665

NE 01013Aa:

Doryrhina cyclops (Temminck, 1853):
ZMA: MAM.19685, MAM.19686.
Epomops Gray, 1866:
MNHN: ZM-MO-1983-1241.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1983-1197, ZM-MO-1983-1198. - **ZMA:** MAM.07947, MAM.20687, MAM.20688, MAM.20689, MAM.20690.
Hipposideros Gray, 1831:
ZMA: MAM.07819, MAM.07820, MAM.07821, MAM.07823, MAM.07824, MAM.07825, MAM.07826, MAM.08291, MAM.08341, MAM.08407, MAM.25129.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-2006-145, ZM-MO-1985-1431, ZM-MO-1985-1432, ZM-MO-1985-1433, ZM-MO-1985-1434, ZM-MO-1985-1435, ZM-MO-1985-1436, ZM-MO-1985-1437, ZM-MO-1985-1438, ZM-MO-1985-1439, ZM-MO-1985-1440, ZM-MO-1985-1456, ZM-MO-1985-1457, ZM-MO-1985-1458, ZM-MO-1985-1459, ZM-MO-1985-1460, ZM-MO-1985-1461, ZM-MO-1985-1462, ZM-MO-1985-1463, ZM-MO-1985-1464, ZM-MO-1985-1465, ZM-MO-1985-1466, ZM-MO-1985-1467, ZM-MO-1985-1468, ZM-MO-1985-1469, ZM-MO-1985-1470, ZM-MO-1985-1471, ZM-MO-1985-1472, ZM-MO-1985-1473, ZM-MO-1985-1474, ZM-MO-1985-1475, ZM-MO-1985-1476, ZM-MO-1985-1477, ZM-MO-1985-1478, ZM-MO-1985-1479, ZM-MO-1985-1480, ZM-MO-1985-1481, ZM-MO-1985-1482, ZM-MO-1985-1483, ZM-MO-1985-1484, ZM-MO-1985-1485, ZM-MO-1985-1486, ZM-MO-1985-1487, ZM-MO-1985-1488, ZM-MO-1985-1489, ZM-MO-1985-1490, ZM-MO-1985-1491, ZM-MO-1985-1492, ZM-MO-1985-1493, ZM-MO-1985-1494, ZM-MO-1985-1495, ZM-MO-1985-1496, ZM-MO-1985-1915, ZM-MO-1985-1916, ZM-MO-1985-1917, ZM-MO-1985-1918. - **ZMA:** MAM.08295, MAM.08296, MAM.08298, MAM.08299, MAM.08335, MAM.08336, MAM.08337, MAM.08338, MAM.08339, MAM.08340, MAM.08342, MAM.08362, MAM.08365, MAM.08381, MAM.08403, MAM.08405, MAM.08406, MAM.08409.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1981-902, ZM-MO-1981-903, ZM-MO-1981-904, ZM-MO-1981-905.
Hypsignathus monstrosus H. Allen, 1862:
ZMA: MAM.07798, MAM.07799, MAM.07800, MAM.07801, MAM.20681, MAM.20683, MAM.20684, MAM.20685.

Macronycteris gigas (Wagner, 1845):
ZMA: MAM.07828, MAM.19452, MAM.19453, MAM.19454, MAM.19455, MAM.19456, MAM.19457, MAM.19458, MAM.19459.
Megaloglossus woermanni Pagenstecher, 1885:
AMNH: 216586, 216587. - **CUMV:** 16052, 20342. - **MNHN:** ZM-MO-1983-1038, ZM-MO-1983-1039, ZM-MO-1983-1040, ZM-MO-1983-1041, ZM-MO-1983-1042, ZM-MO-1983-1043, ZM-MO-1983-1044, ZM-MO-1983-1045, ZM-MO-1983-1046, ZM-MO-1983-1047, ZM-MO-1983-1048, ZM-MO-1983-1049, ZM-MO-1983-1050, ZM-MO-1983-1051, ZM-MO-1983-1052, ZM-MO-1983-1053, ZM-MO-1983-1054, ZM-MO-1983-1055, ZM-MO-1983-1056, ZM-MO-1983-1057, ZM-MO-1983-1491. - **ZMA:** MAM.07809, MAM.07810, MAM.07811, MAM.07812, MAM.07813, MAM.07814, MAM.07815, MAM.07816, MAM.07817, MAM.20619, MAM.20620, MAM.20621, MAM.20622, MAM.20623, MAM.20624, MAM.20625, MAM.20626, MAM.20627, MAM.20628, MAM.20629, MAM.20630, MAM.20631, MAM.20632, MAM.20633, MAM.20634, MAM.20635, MAM.20636, MAM.20637, MAM.20638, MAM.20639, MAM.20640, MAM.20641, MAM.20642, MAM.20643, MAM.20644, MAM.20645, MAM.20646.
Mimetillus moloneyi (Thomas, 1891):
MNHN: ZM-MO-1985-1921.
Miniopterus inflatus Thomas, 1903:
ZMA: MAM.19674, MAM.19675, MAM.19676, MAM.19677, MAM.19679, MAM.19680, MAM.19681, MAM.19682, MAM.19683, MAM.19684.
Myonycteris torquata (Dobson, 1878):
MNHN: ZM-MO-1983-1492, ZM-MO-1985-1605, ZM-MO-1985-1606, ZM-MO-1985-1607, ZM-MO-1992-424, ZM-MO-1992-425, ZM-MO-1992-426, ZM-MO-1992-427, ZM-MO-1992-428, ZM-MO-1992-429, ZM-MO-1992-430, ZM-MO-1992-431, ZM-MO-1992-433, ZM-MO-1992-434, ZM-MO-1992-435, ZM-MO-1995-1701. - **ZMA:** MAM.07802, MAM.20649, MAM.20650, MAM.20651, MAM.20652, MAM.20653, MAM.20654, MAM.20655, MAM.20656, MAM.20657.
Myotis bocagii (Peters, 1870):
ZMA: MAM.08288.
Neoromicia nana (Peters, 1852):
ZMA: MAM.08283, MAM.08285.
Nycteris grandis Peters, 1865:
MNHN: ZM-MO-1985-1408, ZM-MO-1985-1409. - **ZMA:** MAM.08404, MAM.19668, MAM.19669, MAM.19670, MAM.19671.
Rhinolophus alcyone Temminck, 1853:
MNHN: ZM-MO-1985-1519.
Rhinolophus fumigatus Rüppell, 1842:
MNHN: ZM-MO-1981-899, ZM-MO-1981-900, ZM-MO-1981-901.
Rousettus Gray, 1821:
MNHN: ZM-MO-1983-1240.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1983-1242, ZM-MO-1983-1243, ZM-MO-1983-1245, ZM-MO-1983-1247, ZM-MO-1983-1248, ZM-MO-1983-1255, ZM-MO-1983-1256, ZM-MO-1983-1257, ZM-MO-1983-1258, ZM-MO-1983-1493, ZM-MO-1983-1494, ZM-MO-1985-1599, ZM-MO-1985-1600, ZM-MO-1985-1601. - **ZMA:** MAM.06841, MAM.07928, MAM.07929, MAM.07932, MAM.07946, MAM.07948, MAM.08703, MAM.08704, MAM.20667, MAM.20668, MAM.20675, MAM.20676, MAM.20677, MAM.20678, MAM.20679, MAM.20680, MAM.22123.
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
MNHN: ZM-MO-1985-1608, ZM-MO-1985-1609, ZM-MO-2003-220. - **ZMA:** MAM.07808, MAM.18270, MAM.20659, MAM.20660, MAM.20661, MAM.20662, MAM.20663, MAM.20664

NE 01013Ab:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1983-1199.
Hipposideros caffer (Sundevall, 1846):
ZMA: MAM.08297, MAM.18510, MAM.18511, MAM.18512, MAM.18513, MAM.18514, MAM.18515, MAM.18516, MAM.18517, MAM.18518, MAM.18519, MAM.18520, MAM.18521, MAM.18522, MAM.18523, MAM.18524, MAM.18525, MAM.18526, MAM.18527, MAM.18528, MAM.18529, MAM.18530, MAM.18531, MAM.18532, MAM.18533, MAM.18534, MAM.18535, MAM.18536, MAM.18537, MAM.18538, MAM.18539, MAM.18541, MAM.18542, MAM.18543, MAM.18544, MAM.18545, MAM.18546, MAM.18547, MAM.18548, MAM.18549, MAM.18550, MAM.18551, MAM.18552, MAM.18553, MAM.18554, MAM.18555, MAM.18556, MAM.18557.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1981-162AC.
Macronycteris gigas (Wagner, 1845):
MNHN: ZM-MO-1985-1426, ZM-MO-1985-1427, ZM-MO-1985-1428.
Miniopterus inflatus Thomas, 1903:
ZMA: MAM.08290, MAM.08364, MAM.08383.
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
MNHN: ZM-MO-1983-1036, ZM-MO-1983-1037

NE 01015Da:

Hipposideros ruber (Noack, 1893):
AMNH: 120267

NE 01017Ad:

Macronycteris gigas (Wagner, 1845):
FMNH: 73828, 73829, 73830.

Neoromicia nana (Peters, 1852):
CM: 113913, 113914, 113915, 113916, 113917, 113918, 113919, 113920, 113921, 113922, 113923, 113924, 113925, 113926, 113927, 113928, 113929, 113930, 113932

NE 01023Ba:

Neoromicia tenuipinnis (Peters, 1872):
RMCA: 5369, 8220

NE 01023Bd:

Casinycteris argynnis Thomas, 1910:
UNIKIS: CRT2093.
Doryrhina cyclops (Temminck, 1853):
UNIKIS: CRT2067.
Eidolon helvum (Kerr, 1792):
UNIKIS: CRT2279.
Epomops franqueti (Tomes, 1860):
UNIKIS: CRT2063, CRT2065, CRT2066, CRT2131, CRT2132, CRT2133, CRT2142, CRT2173, CRT2176, CRT2180, CRT2183, CRT2198, CRT2199.
Hipposideros beatus (K. Andersen, 1906):
UNIKIS: CRT2197.
Macronycteris vittatus (Peters, 1852):
UNIKIS: CRT2125.
Megaloglossus woermanni Pagenstecher, 1885:
UNIKIS: CRT2054, CRT2056, CRT2076, CRT2159, CRT2171, CRT2174, CRT2190, CRT2192, CRT2194.
Myonycteris torquata (Dobson, 1878):
UNIKIS: CRT2078, CRT2127, CRT2130, CRT2144, CRT2156, CRT2157, CRT2195, CRT2196, CRT2200.
Myotis bocagii (Peters, 1870):
RMCA: a1.097-M-3219.
Nycteris arge Thomas, 1903:
UNIKIS: CRT2221.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
UNIKIS: CRT2227

NE 01024Ba:

Epomops franqueti (Tomes, 1860):
HZM: 10.7809, 11.7810, 15.7828, 17.7830, 18.7831, 19.7832, 21.7834, 30.7857, 35.7862, 36.7863, 37.7864, 9.7808

NE 01025Cb:

Myotis bocagii cupreolus Thomas, 1904:
MCZ: 38030, 38031.
Neoromicia nana (Peters, 1852):
MCZ: 38029.
Nycteris arge Thomas, 1903:
MCZ: 38010

NE 01025Dc:

Glauconycteris beatrix Thomas, 1901:
MNHN: ZM-2016-2781.
Glauconycteris curryae Eger and Schlitter, 2001:
MNHN: ZM-2016-2795

NE 01026Cd:

Epomops franqueti (Tomes, 1860):
RMCA: 9139, 9140.
Hipposideros beatus (K. Andersen, 1906):
RMCA: 5446.
Hipposideros caffer (Sundevall, 1846):
RMCA: 9128.
Hipposideros ruber (Noack, 1893):
RMCA: 9129, 9130, 9131.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
AMNH: 48843.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 9132, 9133, 9134, 9135, 9141, 9142, 9143.
Nycteris arge Thomas, 1903:
RMCA: 9127.
Saccolaimus peli (Temminck, 1853):
RMCA: 16258.

Scotophilus nux Thomas, 1904:
RMCA: 9125, 9126

NE 01026Bb:

Neoromicia nana (Peters, 1852):
AMNH: 49346

NE 01027Ca:

Hypsignathus monstrosus H. Allen, 1862:
RMCA: 18137, 18137a.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 38026.
Neoromicia nana (Peters, 1852):
AMNH: 48942, 48953, 49343. - **MCZ:** 38028. - **RMCA:** 12368.
Neoromicia tenuipinnis (Peters, 1872):
AMNH: 48982, 48983, 48985, 49310, 49319, 49337. - **RMCA:** 12396.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 18138.
Saccolaimus peli (Temminck, 1853):
AMNH: 48758, 48759, 48760, 49281, 49282

NE 01027Bc:

Chaerephon aloysiisabaudiae (Festa, 1907):
AMNH: 48934.
Doryrhina cyclops (Temminck, 1853):
AMNH: 49098, 49099, 49404. - **BMNH:** 1914.4.8.3. - **FMNH:** 43878. - **MCZ:** 17370. - **RMCA:** 1606b.
Eidolon helvum (Kerr, 1792):
KU: 125194. - **RMCA:** 12371, 12372, 12375.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 48659, 48660, 48663, 48664, 48665, 48666, 48667, 48669, 48670, 48671, 48672, 48673, 48674, 48675, 48676, 48678, 48679, 48680, 48681, 48682, 48683, 48684, 48685, 48687, 48688, 48689, 48690, 48691, 48692, 48693, 48694, 48695, 48696, 48697, 48702, 48703, 48704, 48705, 48706, 48707, 48708, 48709, 48710, 48711, 50363, 51383, 51384.
Epomops franqueti (Tomes, 1860):
AMNH: 48658, 48727, 48728, 48729, 48730, 48731. - **BMNH:** 1930.11.11.69. - **HZM:** 16.7829, 22.7835, 25.7838, 31.7858. - **RMCA:** 1421, 1599, 1600.
Glauconycteris beatrix Thomas, 1901:
AMNH: 49014.
Glauconycteris humeralis J.A. Allen, 1917:
HZM: 1.8023.
Hipposideros ruber (Noack, 1893):
AMNH: 49171, 49178, 49179, 49180, 49181, 49182, 49369, 49370, 49372, 49373, 49374, 49375, 49376, 49377. - **MCZ:** 17223, 17373. - **RMCA:** 1429.
Hypsignathus monstrosus H. Allen, 1862:
AMNH: 48636, 48637, 48638, 48639, 48640, 48641, 48643, 48645, 48646, 48647, 48648, 48649, 48650, 48651, 48653, 48655, 48656, 48657, 49208, 49279. - **KU:** 125195. - **MCZ:** 17362, 17363. - **NMW:** 18282. - **RMCA:** 12376.
Kerivoula Gray, 1842:
RMCA: 1522a.
Kerivoula smithii Thomas, 1880:
BMNH: 1914.4.8.6. - **RMCA:** 1425, 1427, 1428.
Mimetillus moloneyi (Thomas, 1891):
AMNH: 49305.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 48851.
Nycteris arge Thomas, 1903:
AMNH: 49133, 49136, 49137, 49140, 49371. - **RMCA:** 12443.
Nycteris hispida (Schreber, 1774):
AMNH: 49134, 49141, 49368. - **BMNH:** 1914.4.8.4. - **HZM:** 44.7851. - **RMCA:** 12386, 1423, 1426, 1611, 5445.
Nycteris major (K. Andersen, 1912):
AMNH: 49403.
Pipistrellus nanulus Thomas, 1904:
AMNH: 49323.
Saccolaimus peli (Temminck, 1853):
AMNH: 48757, 48772, 49350. - **MCZ:** 17366. - **RMCA:** 12377, 3420.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 49349, 49366, 49367. - **MCZ:** 17227

NE 01028Ac:

Epomops franqueti (Tomes, 1860):
HZM: 20.7833, 23.7836, 29.7856, 32.7859.
Mimetillus moloneyi (Thomas, 1891):
HZM: 2.7802, 3.7803, 4.7804.

Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
HZM: 7.7818, 8.7819.
Mops (Xiphonycteris) thersites (Thomas, 1903):
HZM: 3.7820.
Myonycteris torquata (Dobson, 1878):
HZM: 1.7798, 2.7799.
Myotis bocagii (Peters, 1870):
HZM: 7.7870.
Neoromicia nana (Peters, 1852):
HZM: 206.7973.
Nycteris arge Thomas, 1903:
HZM: 2.7845

NE 01028Ba:

Epomops franqueti (Tomes, 1860):
RMCA: 3450

NE 01028Bc:

Casinycteris argynnis Thomas, 1910:
UNIKIS: EPLU664.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 90.031-M-0003.
Doryrhina cyclops (Temminck, 1853):
KU: 151340. - **RMCA:** 90.031-M-0004.
Epomophorus labiatus (Temminck, 1837):
RMCA: 90.031-M-0005, 90.031-M-0006.
Epomops franqueti (Tomes, 1860):
FMNH: 149391. - **RMCA:** 27751. - **UNIKIS:** EPLU631, EPLU633, EPLU634, EPLU653, EPLU655, EPLU656, EPLU657, EPLU661, EPLU678, EPLU692, EPLU693, EPLU697, EPLU698, EPLU701.
Glauconycteris humeralis J.A. Allen, 1917:
FMNH: 149417, 149418, 149419.
Hipposideros caffer (Sundevall, 1846):
FMNH: 149406. - **UNIKIS:** EPLU651.
Hipposideros fuliginosus (Temminck, 1853):
KU: 151336, 151337, 151338.
Hipposideros ruber (Noack, 1893):
FMNH: 138139, 138140, 149407, 149408, 149409, 149410, 149411, 149412, 149413, 149414, 149415, 149416. - **KU:** 151343, 151344. - **RMCA:** 22800, 25653. - **UNIKIS:** EPLU637, EPLU639, EPLU641, EPLU642, EPLU643.
Hypsignathus monstrosus H. Allen, 1862:
FMNH: 138136. - **RMCA:** 25596, 25597, 25598, 25599, 26609, 26610, 26611, 26612, 27417, 27418, 27645, 27646, 27647, 27648, 27649, 27750, 90.031-M-0002.
Megaloglossus woermanni Pagenstecher, 1885:
FMNH: 149392, 149393, 149394, 149395, 149396, 149397, 149398, 149399, 149400, 149401. - **RMCA:** 90.031-M-0001. - **UNIKIS:** EPLU630, EPLU632, EPLU654, EPLU658, EPLU659, EPLU662, EPLU665, EPLU666, EPLU667, EPLU668, EPLU671, EPLU672, EPLU673, EPLU674, EPLU675, EPLU681, EPLU685, EPLU694, EPLU699, EPLU700, EPLU703, EPLU704, EPLU705.
Myonycteris torquata (Dobson, 1878):
UNIKIS: EPLU660, EPLU669, EPLU670, EPLU683, EPLU684, EPLU695, EPLU696.
Nycteris arge Thomas, 1903:
FMNH: 138137, 149405.
Nycteris grandis Peters, 1865:
RMCA: 25652, 28902.
Nycteris hispida (Schreber, 1774):
FMNH: 138138.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
FMNH: 149402, 149403, 149404. - **RMCA:** 90.031-M-0007, 90.031-M-0008. - **UNIKIS:** EPLU676, EPLU677

NE 01028Dd:

Hipposideros ruber (Noack, 1893):
MHNG: 1873.059, 1873.060, 1873.061.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
MHNG: 1873.010

NE 01029Aa:

Epomops franqueti (Tomes, 1860):
RBINS: 7044, 7052, 7053.
Hipposideros caffer (Sundevall, 1846):
RBINS: 7076, 7077, 7472.1, 7472.2.
Neoromicia nana (Peters, 1852):
RBINS: 7050, 7051.

Nycteris hispida (Schreber, 1774):
RBINS: 7045.
Nycteris intermedia Aellen, 1959:
RBINS: 7046.
Scotophilus nux Thomas, 1904:
RBINS: 7041, 7042, 7043

NE 01029Ac:

Casinycteris argynnis Thomas, 1910:
MHNG: 1871.091, 1871.092, 1871.093, 1871.094, 1871.095, 1871.096.
Epomops franqueti (Tomes, 1860):
MHNG: 1872.036, 1872.037, 1872.038, 1872.039.
Hipposideros beatus (K. Andersen, 1906):
MHNG: 1873.057, 1873.058.
Megaloglossus woermanni Pagenstecher, 1885:
MHNG: 1872.090.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
MHNG: 1871.088, 1871.089, 1871.090

NE 01029Ca:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
INPBC: V1636.1

NE 01029Ab:

Doryrhina cyclops (Temminck, 1853):
BMNH: 1930.11.11.146, 1930.11.11.147, 1930.11.11.148, 1930.11.11.149, 1930.11.11.150, 1930.11.11.45.
Eidolon helvum (Kerr, 1792):
BMNH: 1907.1.2.8.
Epomops franqueti (Tomes, 1860):
BMNH: 1930.11.11.66, 1930.11.11.67, 1930.11.11.68.
Hipposideros caffer (Sundevall, 1846):
RBINS: 7473.
Hipposideros fuliginosus (Temminck, 1853):
BMNH: 1930.11.11.143, 1930.11.11.144.
Hipposideros ruber (Noack, 1893):
MCZ: 48226, 48227, 48228, 48229, 48230, 48231, 48232, 48234, 48235.
Miniopterus fraterculus Thomas and Schwann, 1906:
RBINS: 7475, 7476.
Nycteris arge Thomas, 1903:
BMNH: 1907.1.2.12, 1930.11.11.84, 1930.11.11.85, 1930.11.11.86, 1930.11.11.87.
Nycteris grandis Peters, 1865:
BMNH: 1930.11.11.89.
Nycteris hispida (Schreber, 1774):
INPBC: V1034.2.
Nycteris intermedia Aellen, 1959:
BMNH: 1930.11.11.82.
Saccolaimus peli (Temminck, 1853):
BMNH: 1907.1.2.10, 1907.1.2.9

NE 01029Ba:

Stenonycteris lanosus (Thomas, 1906):
RMCA: 37119

NE 01029Bb:

Glauconycteris argentata (Dobson, 1875):
BMNH: 1930.11.11.178, 1930.11.11.179, 1930.11.11.180. - **RMCA:** 1862.
Hipposideros caffer (Sundevall, 1846):
CAS: 12497, 12528. - **INPBC:** V1549. - **RBINS:** 7068, 7069, 7070, 7071, 7072, 7073, 7074, 7075.
Hipposideros ruber (Noack, 1893):
BMNH: 1960.83, 1960.84. - **RMCA:** 19097, 19098. - **USNM:** 301715, 301716, 301717, 301718, 301719, 301720, 301721, 301722, 301723, 301724, 301725, 301726.
Micropteropus pusillus (Peters, 1868):
BMNH: 1930.11.11.70, 1930.11.11.71, 1930.11.11.72, 1930.11.11.73, 1930.11.11.74, 1930.11.11.75, 1930.11.11.76, 1930.11.11.77, 1930.11.11.78.
Miniopterus fraterculus Thomas and Schwann, 1906:
BMNH: 1960.106, 1960.107, 1960.108, 1960.109, 1960.110, 1960.111. - **RBINS:** 7085.
Miniopterus inflatus Thomas, 1903:
INPBC: W1457.3. - **RMCA:** 23299, 37169.

Miniopterus inflatus inflatus Thomas, 1903:
CAS: 12500, 12501, 12502, 12503, 12531, 12532.
Myonycteris angolensis (Bocage, 1898):
USNM: 301703, 301704, 301705, 301706, 301707, 301708, 301709, 301710, 301711, 301712.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
AMNH: 180902, 180903, 180904, 180905. - **RBINS:** 7065.
Neoromicia somalica (Thomas, 1901):
BMNH: 1930.11.11.172.
Rhinolophus eloquens K. Andersen, 1905:
BMNH: 1930.11.11.102, 1930.11.11.103, 1930.11.11.104.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
MHNG: 1873.011, 1873.012, 1873.013, 1873.014. - **RBINS:** 7049.
Rousettus Gray, 1821:
BMNH: 1960.113.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RBINS: 7057, 7058, 7059, 7060, 7061, 7064, 7474. - **RMCA:** 35806

NE 01029Bd:

Hipposideros caffer (Sundevall, 1846):
RBINS: 7067, 7088.
Hipposideros ruber (Noack, 1893):
RMCA: 37156, 37157, 37158, 37159.
Mimetillus moloneyi (Thomas, 1891):
BMNH: 1954.862. - **RMCA:** 21462.
Miniopterus fraterculus Thomas and Schwann, 1906:
BMNH: 1960.112. - **RBINS:** 7096. - **RMCA:** 21464.
Miniopterus inflatus Thomas, 1903:
INPBC: W1456a, W1456b. - **MHNG:** 1874.006, 1874.007, 1874.008, 1874.009. - **RBINS:** 7086. - **RMCA:** 23300.
Myonycteris angolensis (Bocage, 1898):
INPBC: W1459. - **MHNG:** 1872.078, 1872.079, 1872.080. - **RMCA:** 37118.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 16256.
Nycteris arge Thomas, 1903:
FMNH: 26238.
Nycteris hispida (Schreber, 1774):
AMNH: 82388. - **FMNH:** 30713. - **INPBC:** W508.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
BMNH: 1960.100, 1960.101, 1960.99.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RBINS: 7056, 7063.
Saccolaimus peli (Temminck, 1853):
AMNH: 82363, 82364

NE 01030Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
INPBC: V481.1, V481.2, V481.3

NE 01030Ac:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 30703, 30704, 30705.
Micropteropus pusillus (Peters, 1868):
FMNH: 35684.
Nycteris hispida (Schreber, 1774):
FMNH: 26239, 30711, 30712

NE 01030Cc:

CHIROPTERA Blumenbach, 1779:
RMCA: 1867.
Hipposideros ruber (Noack, 1893):
RMCA: 15561, 15630, 15747, 15748, 15749, 15750.
Hypsignathus monstrosus H. Allen, 1862:
RBINS: 7037. - **RMCA:** 10775.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 12246.
Myonycteris angolensis (Bocage, 1898):
RMCA: 15759, 19090, 19091, 19092, 19093, 19094.
Nycteris arge Thomas, 1903:
RMCA: 16200.
Nycteris hispida (Schreber, 1774):
RMCA: 14382a, 14382b, 14382c, 14382d, 15560.

Nycteris nana (K. Andersen, 1912):
DNSM: 12754, 12755.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 12247.
Rhinolophus eloquens K. Andersen, 1905:
RMCA: 19095, 19096.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 19100, 19101

NE 01030Ad:

Chaerephon pumilus (Cretzschmar, 1826):
INPBC: W1389. - **RBINS:** 14537, 14538, 14539, 14540, 14541, 14543, 14544, 14545, 14546, 14547, 14548, 14549, 14550, 14551, 14552, 14553, 14554, 14555, 14556, 14557. - **RMCA:** 19099, 23297, 37382.
Hipposideros caffer (Sundevall, 1846):
AMNH: 180907.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 10543, 10544, 10545, 10546, 15454. - **RMCA:** 15958.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 14560, 14561, 15463. - **RMCA:** 37402.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RBINS: 15460.01, 15460.02, 15460.03, 15460.04, 15460.05, 15460.06, 15460.07, 15460.08, 15460.09, 15460.10, 15460.11, 15460.12, 15460.13, 15466, 15467, 15468, 15469, 15470, 15471, 15472, 15474.1, 15474.2.
Myopterus whitleyi (Scharff, 1900):
RBINS: 15473.
Nycteris hispida (Schreber, 1774):
CAS: 12484. - **RBINS:** 15464

NE 01030Cb:

Hipposideros ruber (Noack, 1893):
BMNH: 1953.497. - **RMCA:** 14950, 14951, 14952, 14953, 14954, 14955, 21468, 81.012-M-0076.
Micropteropus pusillus (Peters, 1868):
MHNG: 1872.055, 1872.056, 1872.057, 1872.058.
Myonycteris angolensis (Bocage, 1898):
RBINS: 21666. - **RMCA:** 81.012-M-0044, 81.012-M-0045, 81.012-M-0046.
Myopterus daubentonii Desmarest, 1820:
RMCA: 15224.
Myotis bocagii (Peters, 1870):
RMCA: 21438.
Neoromicia nana (Peters, 1852):
MCZ: 28544.
Nycteris hispida (Schreber, 1774):
MCZ: 28546.
Rhinolophus eloquens K. Andersen, 1905:
MCZ: 28545. - **RMCA:** 16277.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 15225

NE 01030Cd:

Glauconycteris argentata (Dobson, 1875):
RMCA: 21440, 21443, 21447

NE 01030Ba:

Glauconycteris humeralis J.A. Allen, 1917:
BMNH: 1930.11.11.173, 1930.11.11.174, 1930.11.11.175.
Nycteris hispida (Schreber, 1774):
BMNH: 1930.11.11.80

NE 01030Da:

Chaerephon pumilus (Cretzschmar, 1826):
BMNH: 1951.629. - **RMCA:** 20509, 23296, 23298, 81.012-M-0062.
Glauconycteris argentata (Dobson, 1875):
BMNH: 1953.489, 1953.490. - **RMCA:** 21439, 21442, 21445, 21446, 21449, 23274, 23275, 23276, 23277.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 21461.
Myotis bocagii (Peters, 1870):
BMNH: 1953.498. - **RMCA:** 21511, 21512, 21513, 81.012-M-0071, 81.012-M-0072.
Neoromicia rendalli (Thomas, 1889):
RBINS: 21661. - **RMCA:** 23153.
Nycteris arge Thomas, 1903:
BMNH: 1953.480, 1953.481. - **RBINS:** 21663. - **RMCA:** 81.012-M-0038.

Nycteris hispida (Schreber, 1774):
BMNH: 1953.482, 1953.483. - **RMCA:** 23166, 23280, 81.012-M-0014.
Nycteris nana (K. Andersen, 1912):
BMNH: 1953.484.
Nycteris parisii (de Beaux, 1924):
RBINS: 21668.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1953.485. - **MHNG:** 921.034.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 23152.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1907.6.14.11, 1907.6.14.12

NE 01030Dc:

Chaerephon pumilus (Cretzschmar, 1826):
BMNH: 1953.493, 1953.494, 1953.495. - **RBINS:** 14558, 21653, 21654, 21655, 21656. - **RMCA:** 20786, 20787, 21450, 21451, 21452, 21453, 21454, 21465, 23278, 23279, 23281, 23284, 23288, 23289, 81.012-M-0078, 81.012-M-0079, 81.012-M-0080, 81.012-M-0081, 81.012-M-0082, 81.012-M-0083, 81.012-M-0084, 81.012-M-0085, 81.012-M-0086, 81.012-M-0087, 81.012-M-0088, 81.012-M-0089, 81.012-M-0090, 81.012-M-0091, 81.012-M-0092, 81.012-M-0093, 81.012-M-0094, 81.012-M-0095, 81.012-M-0096, 81.012-M-0097, 81.012-M-0098, 81.012-M-0099, 81.012-M-0100, 81.012-M-0101, 81.012-M-0102.
Coleura afra (Peters, 1852):
RMCA: 21466, 23282, 23283, 23291, 23292.
Epomophorus crypturus Peters, 1852:
RMCA: 20803, 23149.
Epomophorus labiatus (Temminck, 1837):
RBINS: 21667. - **RMCA:** 23150, 23165.
Glauconycteris argentata (Dobson, 1875):
BMNH: 1953.487, 1953.488, 1953.491. - **RBINS:** 21669. - **RMCA:** 20802, 21441, 21444, 21448, 21467, 21476, 21477, 23273, 81.012-M-0041.
Hipposideros caffer (Sundevall, 1846):
BMNH: 1953.496. - **RBINS:** 21660.
Hipposideros ruber (Noack, 1893):
RMCA: 21460, 23293, 23294, 23295.
Myonycteris angolensis (Bocage, 1898):
BMNH: 1953.477, 1953.478. - **RBINS:** 21665. - **RMCA:** 20804, 21436, 21437, 23151.
Myonycteris angolensis angolensis (Bocage, 1898):
MHNG: 921.028.
Myotis bocagii (Peters, 1870):
BMNH: 1953.486. - **MHNG:** 921.033. - **RBINS:** 21657. - **RMCA:** 20788, 20789, 20790, 21455, 21456, 21457, 21458, 21459, 21504, 21505, 21506, 21507, 21508, 21509, 21510, 23285, 23286, 23287, 23290, 81.012-M-0073, 81.012-M-0074, 81.012-M-0075.
Neoromicia nana (Peters, 1852):
RBINS: 21658, 21659. - **RMCA:** 20791, 20792, 20793, 20794, 20795, 20796, 20797, 20798, 20799, 20800, 20801, 21469, 21470, 21471, 21472, 21473, 21474, 21475, 23301.
Nycteris arge Thomas, 1903:
RMCA: 81.012-M-0037.
Nycteris nana (K. Andersen, 1912):
RBINS: 18546.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 21664

NE 01030Bb:

Myonycteris torquata (Dobson, 1878):
LACM: 51637, 51638, 51639

NE 01031Aa:

Neoromicia somalica (Thomas, 1901):
HZM: 1.4070

NE 01031Cb:

Epomops franqueti (Tomes, 1860):
FMNH: 164956, 165103, 165104, 165105, 165106, 165112. - **MCZ:** 62401, 62439.
Hipposideros Gray, 1831:
FMNH: 164972.
Hipposideros beatus (K. Andersen, 1906):
FMNH: 165156.
Hipposideros ruber (Noack, 1893):
FMNH: 165161, 165167. - **MCZ:** 62452.
Myonycteris angolensis (Bocage, 1898):
FMNH: 165122, 165123.

Rhinolophus Lacépède, 1799:
FMNH: 164971.
Rhinolophus alcyone Temminck, 1853:
FMNH: 165134, 165149, 165150, 165151, 165152, 165153, 165154, 165155

NE 01031Cd:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 49807, 49808, 49809, 49810, 49811, 49812, 49813, 49814, 49815, 49816, 49817, 49818, 49819, 49820, 49821, 49822, 49823, 49824, 49825, 49826, 49827, 49828.
Hipposideros caffer (Sundevall, 1846):
ROM: 46575.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 67861, 67871.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 46546, 46547, 46548, 46549, 46550, 46551, 46552, 46553, 46554, 46555, 46556, 46557, 46558, 46559, 46560, 46561, 46562, 46563.
Mops (Mops) demonstrator (Thomas, 1903):
ROM: 46568, 46569.
Mops (Mops) trevori J.A. Allen, 1917:
ROM: 46570.
Scotoecus hindei Thomas, 1901:
ROM: 46576, 46577, 46578, 46579.
Scotophilus dinganii (A. Smith, 1833):
ROM: 46571

NE 01031Da:

Chaerephon aloysiisabaudiae (Festa, 1907):
ROM: 38380, 41768, 46734, 59231.
Chaerephon ansorgei (Thomas, 1913):
ROM: 59233.
Chaerephon bemmeleni (Jentink, 1879):
ROM: 59232.
Chaerephon bivittatus (Heuglin, 1861):
AMS: M.29821.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 219781, 219782, 219783, 219784, 219785, 219786, 219787, 219788, 219789, 219790, 219791, 219792, 219793, 219794, 219795, 219796, 219797, 219798, 219799, 219800, 219801, 219802, 219803. - **FMNH:** 152988, 152989, 152990, 164974, 165172, 165173, 165174, 165175, 165176. - **MCZ:** 39347, 39348, 39349, 39350, 39351, 39352, 39353, 39354, 39355, 39356, 49831, 62454. - **ROM:** 59239, 59240.
Doryrhina cyclops (Temminck, 1853):
FMNH: 164973, 165159, 165160, 73076. - **MCZ:** 40829. - **ROM:** 46633, 46736, 91167. - **USNM:** 237047, 237048, 237049, 237050, 237223, 237224, 237225, 237226.
Eidolon helvum (Kerr, 1792):
LACM: 51425, 51426, 51427, 51428, 51429.
Epomophorus Bennett, 1836:
FMNH: 165097.
Epomophorus labiatus (Temminck, 1837):
AMNH: 32711. - **BMNH:** 1966.3599. - **CM:** 57667, 57668. - **FMNH:** 164954, 165098, 165099, 165100, 165101. - **LACM:** 19532, 51458, 51459. - **MCZ:** 62438.
Epomops franqueti (Tomes, 1860):
AMS: M.30241. - **FMNH:** 152349, 152350, 152351, 152352, 152353, 164955, 165102, 165107, 165108, 165109, 165110, 165111. - **LACM:** 19630, 31773, 31774, 36102, 36104, 36105, 36106, 36107, 36109, 36110, 36111, 36112, 36113, 36115, 36116, 51497, 51498, 51499, 51500, 51501, 51502, 51503, 51504, 51505. - **MCZ:** 62440.
Glauconycteris argentata (Dobson, 1875):
FMNH: 152695, 152696.
Glauconycteris egeria Thomas, 1913:
ROM: 59138.
Glauconycteris humeralis J.A. Allen, 1917:
FMNH: 152703, 165168. - **ROM:** 46461, 46514, 46515, 46642, 46643.
Hipposideros beatus (K. Andersen, 1906):
FMNH: 165157, 165158.
Hipposideros caffer (Sundevall, 1846):
ROM: 40154, 46480, 46499, 46500, 46501, 46502, 46503, 46504, 46505, 46506, 46507, 46508, 46509, 46510, 46513, 46521, 46522, 46523, 46524, 46525, 46526, 46527, 46528, 46529, 46530, 46531, 46532, 46533, 46534, 46535, 46536, 46537, 46538, 46539, 46540, 46541, 46542, 46543, 46601, 46602, 46603, 46644, 46645, 46648, 46649, 46650, 46651, 46652, 49120.
Hipposideros ruber (Noack, 1893):
FMNH: 152679, 152680, 165162, 165163, 165164, 165165, 165166. - **MCZ:** 62453. - **ROM:** 36323, 36324, 36325, 36326, 36327, 40157, 40158, 40159, 40160.
Hypsignathus monstrosus H. Allen, 1862:
LACM: 51401.
Hypsugo crassulus (Thomas, 1904):
FMNH: 165170, 165171.

Hypsugo eisentrauti (Hill, 1968):
FMNH: 165169.
Micropteropus pusillus (Peters, 1868):
FMNH: 152357, 152358, 152359, 152360, 164957, 164958, 165113, 165114, 165115, 165116. - **LACM:** 36119, 51409, 51410, 51411, 51412, 51415, 51416, 51417, 51419, 51420, 51421, 51422, 51423, 51424, 54148. - **MCZ:** 62441. - **ROM:** 40156, 46438, 46439, 46440, 46446, 48494.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 219804, 219805.
Mops (Mops) congicus J.A. Allen, 1917:
AMS: M.29819. - **ROM:** 38378, 38379, 46659, 46660, 46661, 46662, 46663, 46664, 46665, 46666, 46667, 46668, 46688, 46689, 46690, 46691, 46692, 46714, 46715, 46716, 46717, 46723, 46724, 49122, 49123, 49136, 59222, 59223, 59224, 59226.
Mops (Mops) demonstrator (Thomas, 1903):
AMS: M.29827.
Mops (Mops) midas (Sundevall, 1843):
AMNH: 219834, 219835, 219836, 219837, 219838, 219839, 219840, 219841, 219842, 219843, 219844, 219845, 219846, 219847, 219848, 219849, 219850, 219851, 219852, 219853, 219854, 219855, 219856, 219857, 219858, 219859.
Mops (Mops) trevori J.A. Allen, 1917:
LACM: 27480, 27481, 27482, 27483. - **ROM:** 59225.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
AMNH: 219806, 219807, 219808, 219809, 219810, 219811, 219812, 219813, 219814, 219815, 219817, 219818, 219819, 219820, 219821, 219822, 219823, 219824, 219825, 219827, 219828, 219829, 219830, 219831, 219832, 219833. - **ROM:** 59234, 59235, 59236.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
AMNH: 219860, 219861, 219862, 219863, 219864, 219865, 219866. - **AMS:** M.30129. - **ROM:** 59237, 59238.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 219816, 219826. - **ROM:** 59227, 59228, 59229, 59230, 59241.
Myonycteris angolensis (Bocage, 1898):
FMNH: 152400, 152401, 152402, 152403, 152404, 152405, 152406, 152407, 164959, 164960, 164961, 164962, 164963, 164964, 165118, 165119, 165120, 165121, 165124, 165125, 165126, 165127, 165128, 165129, 165130. - **MCZ:** 62402, 62403, 62442, 62443, 62444, 62445. - **ROM:** 46476, 68693.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
LACM: 19628, 31776, 36103, 36108, 36114, 36117, 36118, 51521, 51522, 51523, 51524, 51525, 51526, 51527, 51528, 51529.
Myonycteris torquata (Dobson, 1878):
FMNH: 165117. - **LACM:** 31775.
Myotis bocagii (Peters, 1870):
ROM: 59246.
Myotis bocagii bocagii (Peters, 1870):
ROM: 46647.
Neoromicia nana (Peters, 1852):
AMNH: 219742, 219743, 219744, 219745, 219746, 219747, 219748. - **FMNH:** 152769, 152770. - **ROM:** 46441, 46442, 46447, 46448, 46449, 46481, 46493, 46494, 46495, 46496, 46497, 46498, 46564, 46566, 49121.
Nycteris arge Thomas, 1903:
ROM: 40147, 46512.
Nycteris hispida (Schreber, 1774):
FMNH: 165131.
Nycteris nana (K. Andersen, 1912):
ROM: 48713.
Pipistrellus Kaup, 1829:
USNM: 237227, 237228, 237229, 237230, 237233, 237234, 237235, 237236, 237237, 237238, 237239, 237240, 237241, 237242, 237243, 237245, 237246, 237247, 237248, 237249, 237250, 237251, 237252.
Pipistrellus nanulus Thomas, 1904:
FMNH: 152771. - **ROM:** 59152.
Rhinolophus Lacépède, 1799:
FMNH: 164965, 164966, 164967, 164968, 164969, 164970.
Rhinolophus alcyone Temminck, 1853:
FMNH: 165132, 165133, 165135, 165136, 165137, 165138, 165139, 165140, 165141, 165142, 165143, 165144, 165145, 165146, 165147, 165148. - **MCZ:** 62404, 62405, 62406, 62446, 62447, 62448, 62449, 62450, 62451. - **ROM:** 40150, 40151, 40152, 46450, 46483, 46484, 46485, 46486, 46487, 46488, 46489, 46490, 46491, 77794, 77795, 83933.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 59242, 59243.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 59144.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
LACM: 31780.
Saccolaimus peli (Temminck, 1853):
ROM: 65863. - **USNM:** 237219, 237220, 237221.
Scotoecus hirundo (de Winton, 1899):
BMNH: 1974.1, 1974.1_1, 1974.1_2, 1974.1_3, 1974.1_4, 1974.1_5, 1974.2, 1974.3, 1974.4, 1974.5.
Scotophilus dinganii (A. Smith, 1833):
AMS: M.30127. - **FMNH:** 152816, 152817, 152818, 152819, 152820, 152821.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 219768, 219769, 219770.
Scotophilus nucella Robbins, 1983:
ROM: 59141, 59245.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 237222

NE 01031Dc:

Chaerephon chapini J.A. Allen, 1917:
ROM: 46733.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 46482, 46580, 46581, 46582, 46583, 46584, 46585, 46586, 46587, 46588, 46589, 46590, 46591, 46592, 46593, 46594, 46595, 46679, 46680, 46681, 46682, 46683, 46684, 46685, 46686, 46687, 46697, 46698, 46699, 46700, 46718, 46722, 49126, 49127, 49128, 49129, 49130, 49131, 49132, 49133, 49134, 49135, 76206, 76207, 76215.
Epomophorus labiatus (Temminck, 1837):
ROM: 46475.
Epomops franqueti (Tomes, 1860):
ROM: 40155, 46443, 46444, 46445, 46479, 46511, 46654.
Glauconycteris argentata (Dobson, 1875):
ROM: 40095, 40096, 40097, 48706.
Glauconycteris egeria Thomas, 1913:
ROM: 46641.
Glauconycteris variegata (Tomes, 1861):
ROM: 40141, 40142.
Hipposideros caffer (Sundevall, 1846):
ROM: 46627, 46628, 46629, 46630.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 46655.
Hypsugo crassulus (Thomas, 1904):
ROM: 40146, 46454.
Mimetillus moloneyi (Thomas, 1891):
LACM: 52063. - **ROM:** 40143, 46708.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 59244.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ROM: 46464, 46604, 46605, 46658, 46721.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ROM: 46616, 46617, 46618, 46619, 46620, 46621, 46622, 46623, 46624, 46625, 46626, 46634, 46635, 46636, 46637, 46638, 46639, 46674, 46675, 46676, 46677, 46678, 46702, 46703, 46704, 46705, 46706, 46707, 46720, 46728, 46729, 46730, 46731, 46732, 49140, 49141.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 41775, 46653, 46669, 46670, 46671, 46672, 46673, 46696, 46709, 46710, 46711, 46712, 46713, 46725, 46726, 46727, 46735, 49124, 49125, 49137, 49138, 49139.
Neoromicia nana (Peters, 1852):
ROM: 46518.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 40153, 46519, 46520.
Neoromicia zuluensis (Roberts, 1924):
ROM: 46646.
Nycteris arge Thomas, 1903:
ROM: 46597.
Nycteris hispida (Schreber, 1774):
ROM: 46701.
Otomops martiensseni icarus Chubb, 1917:
ROM: 46695.
Pipistrellus Kaup, 1829:
ROM: 46613.
Pipistrellus nanulus Thomas, 1904:
AMNH: 219740. - **ROM:** 40144, 40145, 46451, 46452, 46453, 46460, 46471, 46472, 46473, 46474, 46596, 46640, 48705.
Pipistrellus rusticus (Tomes, 1861):
LACM: 36160, 52018.
Rhinolophus alcyone Temminck, 1853:
ROM: 46614, 46615, 83934.
Saccolaimus peli (Temminck, 1853):
ROM: 46544, 46545, 46598, 46599, 46657, 46719.
Scotoecus hindei Thomas, 1901:
ROM: 40148, 40149, 46435, 46436, 46437, 46462, 46463, 46470, 46492, 46600, 46631, 46632, 46656.
Scotophilus dinganii (A. Smith, 1833):
ROM: 46458, 46459, 46465, 46466, 46468, 46469, 46477, 46478, 46516, 46517, 46565.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 46572, 46573, 46606, 46607, 46608, 46609, 46610, 46611, 46612.
Scotophilus nux Thomas, 1904:
ROM: 46455, 46456, 46457.
Scotophilus viridis (Peters, 1852):
ROM: 46574.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
LACM: 19753, 19773, 19774. - **ROM:** 40118, 78076

NE 01031Db:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1966.3601. - **FMNH:** 29431

NE 01032Cc:

Neoromicia somalica (Thomas, 1901):
FMNH: 86012

NE 01033Cb:

Chaerephon pumilus (Cretzschmar, 1826):
CAS: 24546, 24547, 24548.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1962.470

NE 01033Da:

Epomophorus labiatus (Temminck, 1837):
FMNH: 73071, 73072, 73073, 73074.
Neoromicia somalica (Thomas, 1901):
ROM: 38349, 38350, 38352, 38353.
Neoromicia zuluensis (Roberts, 1924):
ROM: 38348.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 38351, 38354.
Rhinolophus darlingi K. Andersen, 1905:
ROM: 38346, 38347.
Scotophilus dinganii (A. Smith, 1833):
ROM: 38355, 38356, 38357, 38358, 38359, 38360, 38361

NE 01033Bd:

Rhinolophus Lacépède, 1799:
CAS: 24711

NE 01034Aa:

Eidolon helvum helvum (Kerr, 1792):
AMNH: 119157, 119158, 119159.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1965.1062.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1964.69, 1964.70.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1962.486, 1964.153.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 154294, 154295

NE 01034Ab:

Epomophorus wahlbergi (Sundevall, 1846):
MCZ: 31147

NE 01034Ad:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 63362, 63363, 63364, 63365, 63366, 63367, 63368, 63369, 63370, 63371, 63372, 63373, 63374, 63375, 63376, 63377, 63378, 63379, 63380, 63381, 63382, 63383, 63384, 63385, 63386, 63387, 63388, 63389, 63390, 63391, 63392, 63393, 63394, 63395, 63396, 63397, 63398, 63399, 63400, 63401, 63402, 63403.
Epomophorus labiatus (Temminck, 1837):
ROM: 63404, 63405, 63406, 63407, 63408, 63409.
Micropteropus pusillus (Peters, 1868):
MCZ: 31122.
Myonycteris angolensis (Bocage, 1898):
MCZ: 31149.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 60144, 60145, 60146, 60147, 60148, 60149, 60150, 60151, 60152, 60153, 60154, 60155.
Rousettus Gray, 1821:
CAS: 24641, 24642.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MCZ: 31125, 31128, 31129, 31130, 31131, 31132. - **ROM:** 68692.
Stenonycteris lanosus (Thomas, 1906):
MCZ: 31123, 31124, 31126, 31127, 31148

NE 01034Ba:

Cardioderma cor (Peters, 1872):
BMNH: 1936.11.4.4. - **ROM:** 66625.
Chaerephon bivittatus (Heuglin, 1861):
FMNH: 67953, 67954, 67955.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1910.4.1.4, 1910.4.1.5. - **NMW:** 17862. - **ROM:** 42958, 48754, 48755, 50856, 50857, 50858, 56354, 56356, 56357, 56358. - **WNMU:** 2287, 3249, 3630.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 56280.
Hipposideros caffer (Sundevall, 1846):
ROM: 42942, 42946, 42947, 42948, 42949, 42955, 51896, 51897, 51898, 51899, 51900, 51901, 51902, 51903, 65478, 65479, 65480, 65481, 65482, 65483, 65503, 65504, 65505, 65506.
Hipposideros ruber (Noack, 1893):
MCZ: 31150, 31151, 31152.
Kerivoula smithii Thomas, 1880:
ROM: 48495.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 50826, 51909, 56316, 56317, 56319, 56329, 56331, 56342, 56343, 65484, 65694, 65697, 65699, 65700, 65701, 65702, 65797, 73473.
Miniopterus inflatus rufus Sanborn, 1936:
ROM: 44260, 44261, 44262.
Miniopterus natalensis (A. Smith, 1833):
BMNH: 1936.3.16.13, 1936.3.16.14, 1936.3.16.15, 1936.3.16.16, 1936.3.16.17, 1936.3.16.18, 1936.3.16.19, 1936.3.16.20. - **FMNH:** 67934, 67935, 67936, 67937, 67938, 67958, 67959, 67960, 67961, 67962, 67963, 67964, 67965. - **HNHM:** 98.65.1, 98.65.2, 98.65.3. - **ROM:** 42939, 44268, 44270, 44271, 44272, 44273, 50803, 50804, 50805, 50806, 50807, 50808, 50809, 50810, 50811, 50812, 50813, 50814, 50815, 50816, 50817, 50818, 50819, 50820, 50821, 50822, 50823, 50824, 50825, 50827, 50828, 50829, 50830, 50831, 50832, 50833, 50834, 50835, 50836, 50837, 50838, 50839, 50840, 50841, 50842, 50843, 50844, 50845, 50846, 50847, 50848, 50849, 50850, 50851, 50852, 51908, 56315, 56318, 56330, 56340, 56341, 58994, 58995, 58996, 58997, 58998, 58999, 59000, 59001, 59002, 59003, 59004, 59005, 59006, 59007, 59008, 59009, 59010, 59011, 59012, 59013, 59014, 59015, 59016, 59017, 59018, 59019, 59020, 59021, 59022, 59023, 59056, 59057, 59058, 59059, 59060, 59061, 59062, 59063, 59064, 59065, 59066, 59067, 59068, 59069, 59070, 59071, 59072, 59073, 59074, 59075, 65418, 65419, 65420, 65421, 65422, 65423, 65424, 65425, 65607, 65608, 65609, 65610, 65611, 65612, 65613, 65615, 65616, 65617, 65618, 65619, 65620, 65621, 65622, 65623, 65624, 65625, 65626, 65627, 65628, 65629, 65630, 65631, 65632, 65633, 65634, 65635, 65636, 65637, 65638, 65639, 65640, 65641, 65642, 65643, 65644, 65645, 65646, 65647, 65648, 65693, 65695, 65696, 65698, 65703, 65704, 65795, 65796, 65798, 65799, 65800, 65801, 65802, 73452, 73466, 73467, 73468, 73469, 73470, 73471, 73472, 73474, 73475, 73476, 73477. - **SAMA:** M13068.
Myonycteris angolensis (Bocage, 1898):
ROM: 35894, 35895, 35896, 35897, 35898, 35899, 35900, 35901, 35902.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
HZM: 1.1907, 14.2960, 2.1908, 3.2274, 4.2275.
Myotis tricolor (Temminck, 1832):
ROM: 56296, 56297, 56298, 56299, 56300, 56301, 56302, 56303, 56304, 56305, 56306, 56307, 56308, 56309, 56310, 56311, 56312, 56313, 56314, 56320, 56325, 56326, 56327, 56328, 56336, 56337, 56338, 56339, 56344, 56345, 56346, 56347, 56348, 56349, 56350, 56351, 56352, 56353, 73450, 73451, 73453.
Neoromicia zuluensis (Roberts, 1924):
ROM: 65426.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 67873, 67874, 67875, 67876, 67877, 67878. - **MCZ:** 31158, 31159, 31160, 49829, 49830, 62093. - **ROM:** 35854, 35855, 35856, 35857, 35858, 35859, 35860, 35861, 35864, 38050, 38051, 38052, 51910, 59076.
Pipistrellus hesperidus (Temminck, 1840):
SMF: 41814.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 67891, 67892, 67893, 67894, 67895, 67896, 67897, 67898, 67899, 67900, 67901, 67902. - **HNHM:** 95.54.1, 95.54.2. - **MCZ:** 31172. - **ROM:** 36993, 36995, 36996, 36997, 36998, 36999, 37000, 37001, 37002, 37003, 37004, 37005, 37006, 37007, 37008, 37009, 37010, 37012, 42956, 44267, 50853, 50854, 50855, 65803, 65804, 66633, 66634.
Rhinolophus eloquens K. Andersen, 1905:
MCZ: 31161, 31162, 31163, 31164, 31165, 31166, 31167, 31168, 31169, 31170. - **ROM:** 35893, 36994, 42957, 44263, 48756, 48757, 48758, 48759, 48760, 48761, 48762, 48763, 48764, 48765, 48766, 48767, 48768, 48769, 48770, 48771, 48772, 48773, 48774, 48775, 50795, 50796, 51876, 51907, 51911, 56286, 56287, 56288, 56289, 56290, 56291, 56292, 56293, 56294, 56295, 56321, 56322, 56323, 56324, 56332, 56333, 56334, 56335, 65427, 65428, 65429, 65430, 65431, 65432, 65433, 65434, 65435, 65436, 65437, 65438, 65439, 65440, 65475, 65476, 65494, 65495, 65496, 65497, 65498, 65499, 65500, 65501, 65502, 65705, 65706, 65707, 65708, 66635, 66636, 73454, 73455, 73456, 73457, 73458, 73459, 73460, 73461, 73462, 73463, 73464, 73465.
Rhinolophus lobatus Peters, 1852:
ROM: 42940, 42941, 42943, 42944, 42945, 42950, 42951, 42952, 42953, 42954, 51904, 51905, 51906, 65477, 65485, 65486, 65487, 65488, 65489, 65490, 65491, 65492, 65493, 66637, 66638, 66639, 66640.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 44264, 44265, 44266, 65532, 65533, 65534, 65535, 65536, 65537, 65538, 65539, 65540, 65541, 65542, 65543, 65544, 65545, 65546, 65547, 65548, 65549, 65550, 65551, 65552, 65553, 65554, 65555. - **SMF:** 40640, 40641, 40650, 40651, 40665.
Scotophilus dinganii (A. Smith, 1833):
ROM: 66238

NE 01034Bc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 31134, 31135.
Rhinolophus Lacépède, 1799:
CAS: 24708, 24709, 24710.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
CAS: 24640

NE 01034Da:

Rhinolophus eloquens K. Andersen, 1905:
MCZ: 31173

NE 01034Bb:

Chaerephon chapini J.A. Allen, 1917:
ROM: 67959.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1975.2412. - **ROM:** 65556, 65570, 65571, 65614. - **USNM:** 436428, 436429, 436430, 436431, 436432, 436443, 436444, 436449, 436452, 436454, 436459, 436461, 436462, 436463, 436464, 436465, 436466, 436467, 436471, 436472, 436473, 436474, 436475, 436476.
Glauconycteris argentata (Dobson, 1875):
ROM: 67948, 67949.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1984-314. - **USNM:** 436657, 436658.
Mimetillus moloneyi (Thomas, 1891):
ROM: 67962.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 65778, 65790, 65793, 67956.
Miniopterus natalensis (A. Smith, 1833):
ROM: 65759, 65760, 65761, 65762, 65763, 65764, 65765, 65766, 65767, 65768, 65769, 65770, 65771, 65772, 65773, 65774, 65776, 65777, 65779, 65780, 65781, 65782, 65783, 65784, 65785, 65786, 65787, 65788, 65789, 65791, 65792, 65794, 67955, 73317, 73323, 73324, 73325, 73326, 73327, 73328, 73329, 73330, 73331, 73332. - **USNM:** 436874, 436875, 436876, 436877, 436878, 436879, 436880, 436881, 436882, 436883, 436884, 436885, 436886, 436887, 436888, 436889, 436890, 436891, 436892, 436893, 436894, 436895, 436896, 436897, 436898, 436899, 436900, 436901, 436902, 436903, 436904, 436905, 436906, 436907, 436908, 436909, 436910, 436911.
Myotis bocagii (Peters, 1870):
ROM: 67964.
Myotis tricolor (Temminck, 1832):
ROM: 51912, 51913, 51914, 51915, 59024, 59025, 59026, 59027, 59028, 59029, 59030, 59031, 59032, 59033, 59034, 59035, 59036, 59037, 59038, 59039, 59040, 59041, 59042, 59043, 59044, 59045, 59046, 59047, 59048, 59049, 59050, 59051, 59052, 59053, 59054, 59055.
Myotis welwitschii (Gray, 1866):
HZM: 1.2633.
Neoromicia capensis (A. Smith, 1829):
ROM: 67960.
Neoromicia nana (Peters, 1852):
ROM: 67963. - **USNM:** 436701, 436703, 436704, 436705, 436706, 436716, 436717, 436718.
Neoromicia somalica (Thomas, 1901):
ROM: 67961.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 65557, 65558, 65559, 65560, 65561, 65562, 65563, 65564, 65565, 65566, 65567, 65568, 67954.
Pipistrellus Kaup, 1829:
USNM: 351246.
Pipistrellus hesperidus (Temminck, 1840):
ROM: 67965.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
USNM: 436702.
Rhinolophus clivosus Cretzschmar, 1828:
MNHN: ZM-MO-1984-311, ZM-MO-1984-312, ZM-MO-1984-313. - **ROM:** 65572, 65573, 65574, 65575, 65576, 65578, 65579, 65580, 65581, 65582, 65583, 65584, 65585, 65586, 65587, 65588, 65589, 65590, 65591, 65592, 65593, 65594, 65595, 65596, 65597, 65598, 65599, 65600, 65601, 65602, 65603, 65604, 65775. - **USNM:** 436529, 436531, 436532, 436533, 436534, 436535, 436536, 436537, 436538, 436539, 436540, 436541, 436542, 436543, 436544, 436545, 436546, 436547, 436548, 436549, 436550, 436551, 436552, 436553, 436554, 436555, 436556, 436557, 436558, 436559, 436560, 436561, 436562, 436563, 436613.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 67950, 67951, 73322.
Rhinolophus fumigatus Rüppell, 1842:
MNHN: ZM-MO-1984-306, ZM-MO-1984-307, ZM-MO-1984-308, ZM-MO-1984-309, ZM-MO-1984-310.
Rhinolophus hildebrandtii Peters, 1878:
USNM: 436573, 436574, 436575, 436576, 436577, 436578, 436579, 436582, 436583, 436584, 436585, 436586, 436587, 436588, 436589, 436590, 436591, 436592, 436593, 436594, 436595, 436596, 436597, 436598, 436599, 436600, 436601, 436602, 436603, 436604, 436605, 436606, 436607.

Scotoecus hindei Thomas, 1901:
ROM: 67952, 67953, 73315, 73320.
Scotophilus dinganii (A. Smith, 1833):
ROM: 65606

NE 01034Bd:

Rhinolophus alcyone Temminck, 1853:
ROM: 40080, 40081, 40082, 40083, 40084, 40085, 40086, 40087, 40088, 40089, 40090, 40091.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 40092, 40093

NE 01034Dd:

Epomophorus labiatus (Temminck, 1837):
USNM: 436441, 436442.
Epomophorus minimus Claessen & De Vree, 1991:
USNM: 436488, 436489.
Neoromicia somalica (Thomas, 1901):
USNM: 436709, 436710, 436711, 436712, 436713, 436714, 436715.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1966.3607.
Scotoecus albigula Thomas, 1909:
USNM: 436764, 436765.
Scotophilus dinganii (A. Smith, 1833):
USNM: 436797

NE 01035Aa:

Cardioderma cor (Peters, 1872):
FMNH: 152526.
Chaerephon ansorgei (Thomas, 1913):
ROM: 73255, 91247.
Chaerephon bivittatus (Heuglin, 1861):
ROM: 40339, 40340, 65820, 73256, 73257.
Eidolon helvum (Kerr, 1792):
WAM: M16577.
Epomophorus labiatus (Temminck, 1837):
FMNH: 152270. - **ROM:** 39509, 65810, 65813, 65830, 66564, 66565, 66566. - **USNM:** 350809, 350812, 436425, 436435, 436468, 436469, 436470, 436490, 436491, 436492.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 152314. - **ROM:** 40283, 40284, 65811, 65812, 65829. - **USNM:** 350813, 436407, 436408, 436409.
Glauconycteris argentata (Dobson, 1875):
ROM: 65917, 65918.
Hipposideros caffer (Sundevall, 1846):
ROM: 51879, 51880, 51881, 51882, 51883, 51884, 51885, 51886, 51887, 51888, 51889, 51890, 51891, 51892, 51893, 51894, 51895.
Mimetillus moloneyi (Thomas, 1891):
HZM: 6.12752.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 48776, 48777, 48778, 48779, 48780, 48781, 48782, 48783, 73346.
Miniopterus inflatus rufus Sanborn, 1936:
FMNH: 152851. - **ROM:** 65932.
Miniopterus natalensis (A. Smith, 1833):
CAS: 11964, 11965. - **ROM:** 65808, 65814, 65815, 65816, 65817, 65933, 65934, 65935, 73344, 73345, 73347, 73348.
Myonycteris angolensis (Bocage, 1898):
FMNH: 152389. - **ROM:** 39504, 40281, 40282, 50520, 65864, 65865, 73321.
Myotis bocagii (Peters, 1870):
ROM: 65898, 65899.
Myotis bocagii bocagii (Peters, 1870):
ROM: 40271, 40272, 40273.
Myotis tricolor (Temminck, 1832):
CAS: 11950, 11952. - **FMNH:** 152734, 152735, 152736. - **ROM:** 65653, 65654.
Neoromicia capensis (A. Smith, 1829):
USNM: 350981, 350983.
Neoromicia nana (Peters, 1852):
USNM: 301521, 350980, 436722, 436723, 436724, 436725.
Neoromicia somalica (Thomas, 1901):
FMNH: 152717, 152718, 152719, 152720. - **USNM:** 436719, 436720, 436721.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 73402, 73403, 73404, 73405, 73406, 73407, 73408, 73409, 73410, 73411, 73412, 73413, 73414, 73415, 73416, 73417, 73418, 78032.
Pipistrellus hesperidus (Temminck, 1840):
ROM: 65818, 65819, 66237.

Pipistrellus hesperidus hesperidus (Temminck, 1840):
ROM: 78231.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 301522.
Rhinolophus eloquens K. Andersen, 1905:
CAS: 11933. - **FMNH:** 152556, 152557, 152558, 152559, 152560, 152561, 152562, 152563, 152564, 152565, 152566, 152567, 152568. - **ROM:** 48784, 51877, 51878, 65852.
Rhinolophus fumigatus Rüppell, 1842:
WAM: M23803.
Rhinolophus hildebrandtii Peters, 1878:
TTU: 8301. - **USNM:** 436608.
Rhinolophus lobatus Peters, 1852:
CAS: 11934.
Rhinolophus simulator K. Andersen, 1904:
LACM: 19578.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 38041, 38042, 38043, 38044, 38047, 38048.
Scotoecus hindei Thomas, 1901:
ROM: 65919, 65920, 65921, 65922, 65923, 65924, 65925, 65926, 65927, 73338, 73339, 73340, 73343, 81333, 81334, 81335, 81336, 81337, 81338, 81339, 81340, 81341, 81342, 81343, 81344, 81345, 81346, 81347.
Scotoecus hirundo (de Winton, 1899):
USNM: 436766, 436767, 436768, 436769.
Scotophilus dinganii (A. Smith, 1833):
ROM: 65809, 65853, 65854, 73341, 73342, 81330, 81331, 81332. - **USNM:** 436798, 436799, 436800, 436801, 436802, 436803, 436804, 436805, 436806, 436807, 436808, 436809, 436810, 436811, 436812, 436813.
Tadarida lobata (Thomas, 1891):
ROM: 67958

NE 01035Ac:

Chaerephon bivittatus (Heuglin, 1861):
FMNH: 152902, 152903. - **ROM:** 38269, 38297. - **USNM:** 437241, 437242, 437243, 437244, 437245, 437246, 437247, 437248, 437249, 437250, 437251.
Epomophorus labiatus (Temminck, 1837):
LACM: 51442. - **ROM:** 38250, 38251, 38253, 39511, 40196, 40197. - **USNM:** 436436, 436437, 436438, 436439, 436440, 436445, 436446, 436447, 436448, 436450, 436451, 436453, 436455, 436456, 436457, 436458, 436460, 436477, 436478, 436479, 436480, 436481, 436482, 436483.
Epomophorus minimus Claessen & De Vree, 1991:
FMNH: 152290.
Epomophorus minor Dobson, 1880:
ROM: 38252, 38306, 40198.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1975.2413. - **USNM:** 436418.
Eptesicus Rafinesque, 1820:
ROM: 81351, 81353, 81359.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 39517, 39520, 39522, 39525, 39526, 39528, 39537, 39539, 39545, 39546, 39547, 39548, 39549, 39554, 39556, 39558, 39561, 39562, 39563, 39567, 39569, 39572, 39574, 39578, 39579, 39582, 39596, 39597, 39598, 39600, 39606.
Miniopterus inflatus rufus Sanborn, 1936:
ROM: 39519, 39521, 39523, 39524, 39527, 39529, 39530, 39532, 39533, 39534, 39542, 39543, 39544, 39550, 39552, 39553, 39557, 39559, 39564, 39565, 39566, 39570, 39571, 39573, 39576, 39577, 39580, 39581, 39586, 39588, 39591, 39592, 39594, 39601, 39603, 39607.
Miniopterus natalensis (A. Smith, 1833):
ROM: 39535, 39536, 39538, 39540, 39541, 39551, 39555, 39560, 39568, 39575, 39584, 40239.
Myonycteris angolensis (Bocage, 1898):
ROM: 39512, 39514, 39515, 39518.
Neoromicia capensis (A. Smith, 1829):
ROM: 81362.
Neoromicia somalica (Thomas, 1901):
USNM: 436707.
Neoromicia zuluensis (Roberts, 1924):
ROM: 38308.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 152765.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 39513, 39516, 39583, 39587, 39589, 39590, 39593, 39595, 39602, 39604, 39605, 39608, 39609, 39610, 39611, 39612, 39614.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 38258, 38259, 38260, 81348.
Rhinolophus hildebrandtii Peters, 1878:
USNM: 436580.
Rhinolophus lobatus Peters, 1852:
ROM: 39585, 39599, 39613.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
LACM: 51543. - **ROM:** 38273.

Scotoecus hindei Thomas, 1901:
ROM: 38291.
Scotophilus dinganii (A. Smith, 1833):
ROM: 38282, 65857, 65858, 65936, 81355, 81356, 81357, 81358.
Tadarida fulminans (Thomas, 1903):
ROM: 38249.
Tadarida ventralis (Heuglin, 1861):
ROM: 38243, 38244, 38245, 38246, 38247, 38248, 38302, 38303, 38304, 38305

NE 01035Cc:

Chaerephon ansorgei (Thomas, 1913):
ROM: 36435.
Chaerephon bivittatus (Heuglin, 1861):
ROM: 36436, 36437, 36438, 40210, 40211, 40212, 66038, 66039, 66040, 66041, 66042, 66043.
Epomophorus labiatus (Temminck, 1837):
USNM: 436484, 436485, 436486.
Epomophorus minimus Claessen & De Vree, 1991:
USNM: 436487.
Epomophorus minor Dobson, 1880:
ZMA: MAM.19834, MAM.19835.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 40217, 40218, 40219, 40220.
Mimetillus moloneyi (Thomas, 1891):
ROM: 75421.
Neoromicia capensis (A. Smith, 1829):
WAM: M16526.
Neoromicia nana (Peters, 1852):
USNM: 436708.
Neoromicia zuluensis (Roberts, 1924):
ROM: 38309, 38311.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 40274, 40275, 40276.
Platymops setiger macmillani Thomas, 1906:
ROM: 36508, 36509, 40259, 40260, 40261, 40262, 40263, 40264, 40265, 40266, 40267, 40268, 40269.
Rhinolophus hildebrandtii Peters, 1878:
USNM: 436581.
Scotophilus dinganii (A. Smith, 1833):
ROM: 38307.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
ROM: 36422, 36423, 36424, 40277.
Tadarida fulminans (Thomas, 1903):
ROM: 40278.
Tadarida ventralis (Heuglin, 1861):
ROM: 40280

NE 01035Ab:

Kerivoula lanosa (A. Smith, 1847):
ROM: 48531.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 48538.
Miniopterus natalensis (A. Smith, 1833):
ROM: 48539, 48540, 48541, 48542, 48543.
Tadarida lobata (Thomas, 1891):
BMNH: 1970.727

NE 01035Ad:

Chaerephon ansorgei (Thomas, 1913):
ROM: 38330, 40189, 65845, 73258.
Chaerephon bivittatus (Heuglin, 1861):
FMNH: 152904, 152905, 152906, 152907, 152908, 152909, 152910, 152911, 152912, 152913, 152914. - **ROM:** 36432, 36433, 36434, 36491, 38301, 40168, 40169, 40170, 40171, 40172, 40175, 40177, 40178, 40179, 48514, 48515, 48516, 48517, 48518, 48519, 48520, 48521, 48522, 48523, 48524, 48525, 48526, 48527, 48528, 48529, 48530, 78430. - **WAM:** M21238. - **WNMU:** 6452.
Chaerephon chapini J.A. Allen, 1917:
ROM: 65846, 68114.
Epomophorus labiatus (Temminck, 1837):
MVZ: 142033.
Epomophorus minimus Claessen & De Vree, 1991:
CM: 102024, 102025. - **FMNH:** 152291, 152292, 152293, 152294. - **ROM:** 36219, 36220, 40250, 40251, 40257. - **WNMU:** 3324, 3349.

Epomophorus minor Dobson, 1880:
CM: 102026, 102027. - **LACM:** 51431, 51435. - **ROM:** 36218, 36221, 36222, 38264, 38265, 38340, 40252, 40253, 40254, 40255, 40285, 40286.
Hipposideros beatus (K. Andersen, 1906):
ROM: 40247.
Micropteropus pusillus (Peters, 1868):
FMNH: 152354, 152355, 152356.
Mimetillus moloneyi (Thomas, 1891):
FMNH: 152729, 152730.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 152897, 152898.
Mops (Mops) midas (Sundevall, 1843):
FMNH: 153010, 153011.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
FMNH: 153012, 153013. - **MVZ:** 142034, 142035. - **ROM:** 38322, 38323, 38324, 38325, 38326, 38327, 38328, 38329, 38384, 38385, 38386, 38387, 38388, 38389, 38390, 38391, 40162, 40163, 40164, 40165, 40215, 40216, 65848, 65849, 78426, 91248.
Neoromicia somalica (Thomas, 1901):
CM: 102187, 102188. - **FMNH:** 152723, 152724, 152725, 152726.
Neoromicia zuluensis (Roberts, 1924):
CM: 102186. - **ROM:** 40204, 40242, 73259.
Nycteris macrotis Dobson, 1876:
MVZ: 142038.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1975.2447. - **ROM:** 65889.
Nycticeinops schlieffenii (Peters, 1859):
FMNH: 152741, 152742. - **ROM:** 38341, 40232.
Platymops setiger (Peters, 1878):
MVZ: 142036.
Platymops setiger macmillani Thomas, 1906:
ROM: 36510, 38261, 38312, 38313, 38314, 38315, 38316, 40258.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 40207.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 40248, 65897.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 152574. - **ROM:** 65896, 65915, 65916.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 40191, 40192, 40193, 40194.
Scotoecus hindei Thomas, 1901:
ROM: 36372, 36373, 38331, 38332, 38383, 40201, 40202, 40203, 40223, 40225, 40227, 40229, 40230, 40231, 40233, 40235, 40236, 40325, 40326, 40327, 40328, 40329, 40330, 40331, 65928, 65929.
Scotoecus hirundo (de Winton, 1899):
FMNH: 152786, 152787, 152788. - **ROM:** 38333, 38334, 38335, 38382. - **SMF:** 39443.
Scotophilus andrewreborii Brooks and Bickham, 2014:
CM: 102248, 102249.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 152811, 152812, 152813. - **MCZ:** 60091. - **ROM:** 36382, 38342, 38381, 40249, 65856.
Scotophilus nigrita (Schreber, 1774):
FMNH: 152838.
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
ROM: 65840, 65841, 65842, 65843, 65844, 65891, 65892, 65893, 65894, 65895.
Tadarida fulminans (Thomas, 1903):
ROM: 65839. - **WNMU:** 6815.
Tadarida lobata (Thomas, 1891):
MVZ: 142037.
Tadarida ventralis (Heuglin, 1861):
FMNH: 153044, 153045, 153046. - **ROM:** 38266, 38267, 38268, 65832, 65833, 65834, 65835, 65836, 65837, 65838

NE 01035Cd:

Chaerephon ansorgei (Thomas, 1913):
ROM: 73432, 73438, 73447.
Chaerephon bemmeleni (Jentink, 1879):
ROM: 65510, 65512, 65513, 65514, 65515, 65516, 65517, 65521, 65522, 65524, 65525, 65526, 65529, 65531, 73421, 73430, 73449.
Chaerephon bivittatus (Heuglin, 1861):
ROM: 40209, 40213, 40214, 65509, 65511, 65518, 65519, 65520, 65523, 65527, 65528, 65530, 73313, 73424, 73425, 73426, 73427, 73428, 73429, 73431, 73433, 73434, 73435, 73436, 73437, 73439, 73440, 73441, 73442, 73443, 73444, 73445, 73446, 73448.
Coleura afra (Peters, 1852):
ROM: 73314.
Epomophorus minor Dobson, 1880:
ROM: 65507, 65508, 73312.
Neoromicia capensis (A. Smith, 1829):

ROM: 73422.
Platymops setiger macmillani Thomas, 1906:
ROM: 73419, 73420.
Scotophilus dinganii (A. Smith, 1833):
ROM: 40287, 73423.
Tadarida lobata (Thomas, 1891):
BMNH: 1893.2.3.7.
Tadarida ventralis (Heuglin, 1861):
ROM: 40279

NE 01035Ba:

Myotis tricolor (Temminck, 1832):
ROM: 65655, 65656, 65657, 65658, 65659, 65660, 65661, 65662, 65663, 65664, 65665, 65666

NE 01035Bc:

Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
BMNH: 1968.483

NE 01035Da:

Chaerephon bivittatus (Heuglin, 1861):
ROM: 40167, 40173, 40174, 40176.
Epomophorus minimus Claessen & De Vree, 1991:
BMNH: 1975.2405, 1975.2406, 1975.2815, 1975.2822, 1975.2825, 1975.2827, 1975.2883. - **CM:** 102032, 102033, 102034, 102035, 102040, 102041, 102042, 102043. - **ROM:** 38262, 38263, 40200.
Epomophorus minor Dobson, 1880:
BMNH: 1975.2815_01, 1975.2815_02, 1975.2815_03, 1975.2815_04, 1975.2815_05, 1975.2815_06, 1975.2815_07, 1975.2815_08, 1975.2815_09, 1975.2815_10, 1975.2815_11, 1975.2815_12, 1975.2815_13, 1975.2815_14, 1975.2815_15, 1975.2815_16, 1975.2815_17, 1975.2815_18, 1975.2815_19, 1975.2815_20.
Mimetillus moloneyi (Thomas, 1891):
BMNH: 1975.2608. - **LACM:** 36527, 36528, 36529, 36530. - **ROM:** 38254, 38255, 38321, 65850, 65888.
Miniopterus natalensis (A. Smith, 1833):
ROM: 40238.
Neoromicia somalica (Thomas, 1901):
ROM: 38338, 38339.
Nycticeinops schlieffenii (Peters, 1859):
BMNH: 1914.7.31.14. - **ROM:** 40289.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 48544.
Scotoecus hindei Thomas, 1901:
BMNH: 1914.7.31.15, 1914.7.31.16, 1914.7.31.17, 1968.481, 1968.482. - **ROM:** 40224, 40234, 40237.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1975.2616.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
ROM: 38317, 38318, 38319, 38320.
Tadarida ventralis (Heuglin, 1861):
ROM: 38392

NE 01035Bd:

Tadarida ventralis (Heuglin, 1861):
ROM: 40166

NE 01035Db:

Epomophorus minimus Claessen & De Vree, 1991:
ROM: 40195, 40256.
Hipposideros beatus (K. Andersen, 1906):
ROM: 40205

NE 01036Aa:

Neoromicia helios (Heller, 1912):
ROM: 68609, 68610, 68611, 68612, 68613, 68614, 68615, 68616, 68617, 68618, 68619, 68620

NE 01036Ca:

Epomophorus minor Dobson, 1880:
ROM: 73384, 73385, 73388, 73389, 73390, 73391, 73392, 73393.
Scotophilus dinganii (A. Smith, 1833):
ROM: 73386, 73387

NE 01036Cc:

Pipistrellus nanulus Thomas, 1904:
BMNH: 1969.215

NE 01036Ba:

Pipistrellus rueppellii (Fischer, 1829):
ROM: 68527

NE 01036Bc:

Miniopterus inflatus Thomas, 1903:
SAMA: M13067

NE 01037Bc:

Neoromicia helios (Heller, 1912):
USNM: 181813

NE 01037Db:

Chaerephon pumilus (Cretzschmar, 1826):
CAS: 15939

NE 01038Aa:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
WAM: M21241

NE 01040Ca:

Nycticeinops schlieffenii (Peters, 1859):
CAS: 11949

NE 01041Ba:

Epomophorus wahlbergi (Sundevall, 1846):
MZUF: 5737

NE 01042Ba:

Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1987.65.
Scotoecus albigula Thomas, 1909:
BMNH: 1987.85

NE 01044Aa:

CHIROPTERA Blumenbach, 1779:
ZMB: 4666

NE 01044Dc:

Epomophorus minimus Claessen & De Vree, 1991:
MZUF: 2041, 2044, 2079, 2082.
Epomophorus wahlbergi (Sundevall, 1846):
MZUF: 2020

NE 01044Dd:

Epomophorus minimus Claessen & De Vree, 1991:
MZUF: 5457, 5517, 5714.
Epomophorus wahlbergi (Sundevall, 1846):
MZUF: 5516.
Neoromicia tenuipinnis (Peters, 1872):
MZUF: 13675.
Nycteris aurita (K. Andersen, 1912):
MZUF: 5456, 5459, 5461, 5464, 6333, 6336.
Pipistrellus rusticus (Tomes, 1861):
MZUF: 6328

NE 01045Cc:

Coleura afra (Peters, 1852):
BRTC: 41936. - **TTU:** 36354.
Triaenops afer Peters, 1877:
BRTC: 41939. - **TTU:** 36357

NE 00006Ad:

Miniopterus newtoni Bocage, 1889:
EBD: MAM 17350

NE 00006Ba:

Chaerephon tomensis (Juste and Ibáñez, 1993):
EBD: MAM 17371.
Eidolon helvum (Kerr, 1792):
BMNH: 1904.1.1.1, 1907.27.1, 1907.27.2. - **CAS:** 26783, 26847. - **USNM:** 104534.
Hipposideros ruber (Noack, 1893):
EBD: ST813.
Macronycteris vittatus (Peters, 1852):
SMF: 84403, 84404, 84405.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1906-210

NE 00006Bc:

Chaerephon tomensis (Juste and Ibáñez, 1993):
EBD: MAM 17734, MAM 18256.
Eidolon helvum (Kerr, 1792):
CAS: 26833, 26834, 26835, 26836. - **EBD:** MAM 20342.
Hipposideros fuliginosus (Temminck, 1853):
MNHN: ZM-MO-1901-78.
Hipposideros ruber (Noack, 1893):
CAS: 26784, 26785, 26786, 26787, 26788, 26789, 26823, 26824, 26825, 26826, 26827, 26828, 26829, 26830, 26831, 26848, 26849, 26850, 26851, 26852, 26853. - **ZMB:** 69471, 69472, 69473, 69474, 69475, 69476.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-1901-79.
Miniopterus minor Peters, 1867:
CAS: 26777, 26778, 26779, 26780, 26781, 26782, 26843, 26844, 26845, 26846.
Myonycteris brachycephala (Bocage, 1889):
MLZA: 449a.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
CAS: 26832, 26854

NE 00009Ad:

Eidolon helvum (Kerr, 1792):
EBD: MAM 8823.
Epomops franqueti (Tomes, 1860):
EBD: MAM 8813.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
EBD: MAM 8815.
Scotonycteris zenkeri Matschie, 1894:
EBD: MAM 25938

NE 00009Cb:

Doryrhina cyclops (Temminck, 1853):
FMNH: 73831.
Neoromicia brunnea (Thomas, 1880):
CM: 90802

NE 00009Bb:

Doryrhina cyclops (Temminck, 1853):
BMNH: 1897.12.1.7.
Epomops franqueti (Tomes, 1860):
BMNH: 1897.7.1.3. - **ZMB:** 4956.
Hipposideros caffer (Sundevall, 1846):
ROM: 101300004, 101304.
Hipposideros ruber (Noack, 1893):
BMNH: 1897.12.1.11.
Hypsignathus monstrosus H. Allen, 1862:
ZMB: 4955

NE 00009Dd:

Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 67088.
Epomops franqueti (Tomes, 1860):
ZMB: 67058

NE 00010Aa:

Doryrhina cyclops (Temminck, 1853):
AMNH: 120264.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 120255, 120256, 120257, 120261, 120262, 120263.
Hipposideros beatus (K. Andersen, 1906):
MNHN: ZM-MO-1947-221.
Micropteropus pusillus (Peters, 1868):
AMNH: 120265. - **MNHN:** ZM-MO-1947-212, ZM-MO-1947-213, ZM-MO-1947-214, ZM-MO-1947-215

NE 00011Dc:

Epomops franqueti (Tomes, 1860):
BMNH: 1958.306, 1958.307, 1958.308, 1958.309.
Nycteris grandis Peters, 1865:
BMNH: 1958.312

NE 00012Bc:

Hypsignathus monstrosus H. Allen, 1862:
CUMV: 19701

NE 00012Da:

Hypsignathus monstrosus H. Allen, 1862:
CUMV: 19431, 19432

NE 00012Bd:

Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1985-1441, ZM-MO-1985-1442, ZM-MO-1985-1443, ZM-MO-1985-1444, ZM-MO-1985-1445, ZM-MO-1985-1446, ZM-MO-1985-1447, ZM-MO-1985-1448, ZM-MO-1985-1449, ZM-MO-1985-1450, ZM-MO-1985-1451, ZM-MO-1985-1452, ZM-MO-1985-1453, ZM-MO-1985-1454, ZM-MO-1985-1455.
Hypsignathus monstrosus H. Allen, 1862:
CUMV: 19402, 19406, 19409, 19418, 19420, 19421, 19422.
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
CUMV: 19407

NE 00012Db:

Doryrhina cyclops (Temminck, 1853):
MNHN: ZM-MO-1985-781.
Epomops franqueti (Tomes, 1860):
CUMV: 16046, 16434, 19148, 19410, 19411, 19417, 19419, 19423, 19427, 19433, 19740. - **MNHN:** ZM-MO-1983-1200, ZM-MO-1983-1201, ZM-MO-1983-1202. - **ZMA:** MAM.06818, MAM.06819, MAM.06820, MAM.06821, MAM.06822, MAM.06823, MAM.06824, MAM.06825, MAM.06826, MAM.06827, MAM.06828, MAM.06829, MAM.06830, MAM.06831, MAM.06832, MAM.06833, MAM.06834, MAM.06835, MAM.06836, MAM.06837, MAM.06838, MAM.06839, MAM.06840, MAM.07930, MAM.07931, MAM.07943, MAM.07944, MAM.07945, MAM.20489, MAM.20490, MAM.20691, MAM.20692, MAM.20693, MAM.20694, MAM.20695, MAM.20696, MAM.20697, MAM.20698, MAM.20699.
Eptesicus Rafinesque, 1820:
MNHN: ZM-MO-1985-1567.
Glauconycteris variegata (Tomes, 1861):
MNHN: ZM-MO-1985-1920.
Hipposideros Gray, 1831:
ZMA: MAM.19704.
Hipposideros beatus (K. Andersen, 1906):
ZMA: MAM.19703.
Hypsignathus monstrosus H. Allen, 1862:
CUMV: 19403, 19404, 19405, 19412, 19413, 19414, 19415, 19416, 19424, 19425, 19426, 19430, 19435, 19437. - **ZMA:** MAM.20686.
Hypsugo musciculus (Thomas, 1913):
MNHN: ZM-MO-1985-1929.
Kerivoula lanosa (A. Smith, 1847):
MNHN: ZM-MO-1985-1919.

Macronycteris gigas (Wagner, 1845):
MNHN: ZM-MO-1985-1913, ZM-MO-1985-1914. - **ZMA:** MAM.19464, MAM.19465, MAM.19466, MAM.19467, MAM.19468, MAM.19469, MAM.26262.
Megaloglossus woermanni Pagenstecher, 1885:
ZMA: MAM.07818, MAM.20616, MAM.20617, MAM.20618.
Mimetillus moloneyi (Thomas, 1891):
AMNH: 216588.
Miniopterus inflatus Thomas, 1903:
MNHN: ZM-MO-1985-1961.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
MNHN: ZM-MO-1985-1592.
Mops (Xiphonycteris) thersites (Thomas, 1903):
MNHN: ZM-MO-1985-1591.
Myonycteris torquata (Dobson, 1878):
MNHN: ZM-MO-1992-437, ZM-MO-1992-438. - **ZMA:** MAM.20647.
Myotis bocagii (Peters, 1870):
MNHN: ZM-MO-1983-2007, ZM-MO-1984-274, ZM-MO-1985-1565, ZM-MO-1985-1566, ZM-MO-1985-1928. - **ZMA:** MAM.08293, MAM.08294, MAM.08343, MAM.08369, MAM.08382, MAM.19693, MAM.19694.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-1569, ZM-MO-1985-1570, ZM-MO-1985-1571, ZM-MO-1985-1572, ZM-MO-1985-1573, ZM-MO-1985-1574, ZM-MO-1985-1575, ZM-MO-1985-1930. - **ZMA:** MAM.08284, MAM.08286, MAM.08287, MAM.08289, MAM.08292.
Nycteris grandis Peters, 1865:
CUMV: 19436, 19440. - **MNHN:** ZM-MO-1981-906. - **ZMA:** MAM.19672.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1985-1410. - **ZMA:** MAM.19662.
Nycteris intermedia Aellen, 1959:
MHNG: 1626.002.
Rhinolophus alcyone Temminck, 1853:
MNHN: ZM-MO-1983-2000, ZM-MO-1983-2001, ZM-MO-1983-2002, ZM-MO-1983-2003, ZM-MO-1983-2004, ZM-MO-1983-2005.
Rhinolophus clivosus Cretzschmar, 1828:
MNHN: ZM-MO-1983-2006.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1983-1249, ZM-MO-1983-1250, ZM-MO-1983-1251, ZM-MO-1983-1252, ZM-MO-1983-1253, ZM-MO-1983-1254.
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
MNHN: ZM-MO-1984-1399. - **ZMA:** MAM.20658

NE 00013Cc:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.19673

NE 00013Cd:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1983-961.
Doryrhina cyclops (Temminck, 1853):
MNHN: ZM-MO-1879-2121.
Epomophorus wahlbergi (Sundevall, 1846):
MNHN: ZM-MO-1950-877 B.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1879-2118, ZM-MO-1885-367, ZM-MO-1947-209, ZM-MO-1947-211.
Hipposideros Gray, 1831:
ZMA: MAM.07827, MAM.07829, MAM.19472, MAM.19476.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1947-222, ZM-MO-1985-1960.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1985-816. - **ZMA:** MAM.25280.
Macronycteris gigas (Wagner, 1845):
ZMA: MAM.19470, MAM.19471, MAM.19473, MAM.19477, MAM.25277, MAM.25278.
Miniopterus Bonaparte, 1837:
ZMA: MAM.08363, MAM.19687.
Miniopterus inflatus Thomas, 1903:
MNHN: ZM-MO-1985-1551, ZM-MO-1985-1552, ZM-MO-1985-1553, ZM-MO-1985-1554. - **ZMA:** MAM.08380, MAM.08402, MAM.08408, MAM.08410, MAM.08411, MAM.19678, MAM.19688, MAM.19691, MAM.23462, MAM.25279.
Myotis Kaup, 1829:
ZMA: MAM.19698.
Myotis bocagii (Peters, 1870):
ZMA: MAM.19695, MAM.19696, MAM.19697, MAM.20703.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1886-1698, ZM-MO-1886-1699, ZM-MO-1985-1577.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1950-875, ZM-MO-1983-1244, ZM-MO-1983-1246. - **ZMA:** MAM.20665, MAM.20666.

Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
MNHN: ZM-MO-1983-1080.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-2001-503

NE 00014Cb:

Epomops franqueti (Tomes, 1860):
CUMV: 19408

NE 00014Db:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1996-2472.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1996-2469

NE 00014Dd:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1983-1186.
Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-MO-1975-803, ZM-MO-1975-804

NE 00018Ab:

Chaerephon aloysiisabaudiae (Festa, 1907):
RMCA: 6565.
Chaerephon major (Trouessart, 1897):
RBINS: 22467.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 26285, 5392, 6603.
Eidolon helvum (Kerr, 1792):
RMCA: 6523.
Hipposideros ruber (Noack, 1893):
RMCA: 13411.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 16215, 16422, 21689, 6524, 6524a, 6526, 6527, 6528, 6531.
Kerivoula cuprosa Thomas, 1912:
RMCA: 16189.
Neoromicia nana (Peters, 1852):
RMCA: 6626, 6627.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 13096, 13410, 21699, 26328.
Nycteris hispida (Schreber, 1774):
RMCA: 6558, 75.012-M-0001

NE 00020Bb:

Epomops franqueti (Tomes, 1860):
FMNH: 222414, 222415.
Megaloglossus woermanni Pagenstecher, 1885:
FMNH: 222416, 222417, 222418, 222620, 222621.
Myonycteris torquata (Dobson, 1878):
FMNH: 219597, 222421, 222422, 222423, 222424, 222622.
Nycteris grandis Peters, 1865:
FMNH: 222427, 222428.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
FMNH: 222426, 222623

NE 00020Bd:

Epomops franqueti (Tomes, 1860):
RMCA: 9342

NE 00022Ab:

Eidolon helvum (Kerr, 1792):
RMCA: 22411.
Saccolaimus peli (Temminck, 1853):
RMCA: 21129

NE 00024Ca:

Casinycteris argynnis Thomas, 1910:
UNIKIS: CRT2052, CRT2061, CRT2079, CRT2092, CRT2281, DJB035, DJB096.
Epomops franqueti (Tomes, 1860):
UNIKIS: CRT2036, DJB002, DJB005, DJB021, DJB059, DJB066, DJB069, DJB072, DJB073, DJB074, DJB075, DJB148, DJB150, DJB151, DJB168, DJB171.
Hipposideros beatus (K. Andersen, 1906):
UNIKIS: CRT2046, CRT2047.
Megaloglossus woermanni Pagenstecher, 1885:
UNIKIS: CRT2024, CRT2025, CRT2026, CRT2027, CRT2031, CRT2049, CRT2053, CRT2055.
Myonycteris torquata (Dobson, 1878):
RMCA: a1.097-M-3223, a1.097-M-3224, a1.097-M-3225, a1.097-M-3226, a1.097-M-3227, a1.097-M-3228, a1.097-M-3229, a1.097-M-3230, a1.097-M-3231, a1.097-M-3232, a1.097-M-3233, a1.097-M-3234, a1.097-M-3235, a1.097-M-3236, a1.097-M-3237, a1.097-M-3238, a1.097-M-3239, a1.097-M-3240, a1.097-M-3241, a1.097-M-3242, a1.097-M-3243, a1.097-M-3244, a1.097-M-3245, a1.097-M-3246, a1.097-M-3247, a1.097-M-3248, a1.097-M-3249, a1.097-M-3250, a1.097-M-3251, a1.097-M-3252, a1.097-M-3253, a1.097-M-3254, a1.097-M-3255, a1.097-M-3256, a1.097-M-3257, a1.097-M-3258, a1.097-M-3259, a1.097-M-3260, a1.097-M-3261, a1.097-M-3262, a1.097-M-3263, a1.097-M-3264, a1.097-M-3265, a1.097-M-3266, a1.097-M-3267, a1.097-M-3268, a1.097-M-3269, a1.097-M-3270, a1.097-M-3271, a1.097-M-3272, a1.097-M-3273, a1.097-M-3274, a1.097-M-3275, a1.097-M-3276, a1.097-M-3277, a1.097-M-3278, a1.097-M-3279, a1.097-M-3280, a1.097-M-3281, a1.097-M-3282. - **UNIKIS:** CRT2021, CRT2022, CRT2023, CRT2028, CRT2029, CRT2030, CRT2032, CRT2033, CRT2034, CRT2035, CRT2037, CRT2050, CRT2051, CRT2057, CRT2282, CRT2283, CRT2284, CRT2285, CRT2286, CRT2287, CRT2288, CRT2290, CRT2291, CRT2292, CRT2293, CRT2294, CRT2295, CRT2296, DJB001, DJB003, DJB006, DJB008, DJB009, DJB010, DJB011, DJB014, DJB016, DJB018, DJB019, DJB020, DJB022, DJB023, DJB024, DJB026, DJB027, DJB029, DJB030, DJB032, DJB034, DJB036, DJB037, DJB040, DJB044, DJB046, DJB048, DJB049, DJB050, DJB052, DJB053, DJB055, DJB056, DJB058, DJB060, DJB062, DJB067, DJB070, DJB071, DJB083, DJB084, DJB087, DJB088, DJB091, DJB092, DJB094, DJB097, DJB098, DJB102, DJB104, DJB106, DJB109, DJB111, DJB122, DJB127, DJB128, DJB130, DJB133, DJB139, DJB142, DJB147, DJB154, DJB155, DJB156, DJB157, DJB158, DJB159, DJB160, DJB161, DJB162, DJB163, DJB164, DJB165, DJB166, DJB167, DJB169, DJB170, DJB172.
Myotis bocagii (Peters, 1870):
UNIKIS: DJB173, DJB174.
Rhinolophus Lacépède, 1799:
UNIKIS: CRT2038.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
UNIKIS: CRT2041, CRT2042

NE 00024Ad:

Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017:
MNHN: ZM-2016-2791, ZM-2016-2792.
Glauconycteris curryae Eger and Schlitter, 2001:
MNHN: ZM-2016-2796

NE 00024Cd:

Casinycteris argynnis Thomas, 1910:
UNIKIS: CRT1849, CRT1854, CRT2364.
Doryrhina cyclops (Temminck, 1853):
UNIKIS: CRT2367, CRT2368.
Eidolon helvum (Kerr, 1792):
RBINS: 6985. - **UNIKIS:** CRT2387.
Epomops franqueti (Tomes, 1860):
HZM: 14.7827, 24.7837, 34.7861, 38.7855, 38.7865, 7.7805. - **UNIKIS:** CRT1867, CRT2374, CRT2395.
Glauconycteris alboguttata J.A. Allen, 1917:
RBINS: 14516.
Hipposideros beatus (K. Andersen, 1906):
UNIKIS: CRT1856.
Hypsignathus monstrosus H. Allen, 1862:
RBINS: 12944, 5941, 6984. - **RMCA:** 17238. - **UNIKIS:** CRT2388.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
UNIKIS: CRT2363.
Megaloglossus woermanni Pagenstecher, 1885:
UNIKIS: CRT1809, CRT1812, CRT1814, CRT1846, CRT2361.
Mimetillus moloneyi (Thomas, 1891):
RBINS: 6988. - **UNIKIS:** CRT1888.
Myonycteris torquata (Dobson, 1878):
UNIKIS: CRT1801, CRT1802, CRT1804, CRT1805, CRT1806, CRT1807, CRT1808, CRT1810, CRT1811, CRT1815, CRT1819, CRT1820, CRT1824, CRT1825, CRT1826, CRT1827, CRT1828, CRT1829, CRT1830, CRT1831, CRT1832, CRT1833, CRT1834, CRT1835, CRT1836, CRT1837, CRT1838, CRT1839, CRT1840, CRT1841, CRT1842, CRT1843, CRT1844, CRT1845, CRT1847, CRT1848, CRT1850, CRT1851, CRT1852, CRT1853, CRT1855, CRT1857, CRT1859, CRT1860, CRT1861, CRT1862, CRT1863, CRT1864, CRT1865, CRT1866, CRT1869, CRT1870, CRT1871, CRT1872, CRT1873, CRT1874, CRT1875, CRT1876, CRT1877, CRT1878, CRT1883, CRT1884, CRT1885, CRT1886, CRT1887, CRT1889, CRT1890, CRT1891, CRT1892, CRT1893, CRT1894, CRT1895, CRT1896, CRT2305, CRT2307, CRT2316,

CRT2317, CRT2318, CRT2320, CRT2351, CRT2352, CRT2353, CRT2354, CRT2355, CRT2356, CRT2357, CRT2358, CRT2359, CRT2360, CRT2362, CRT2365, CRT2366, CRT2369, CRT2370, CRT2371, CRT2372, CRT2373, CRT2375, CRT2376, CRT2377, CRT2378, CRT2379, CRT2380, CRT2381, CRT2382, CRT2383, CRT2385, CRT2391, CRT2393, CRT2394, CRT2397, CRT2398, CRT2399, CRT2400.
Neoromicia nana (Peters, 1852):
RBINS: 6989, 6990, 6991. - **RMCA:** 37900.
Nycteris arge Thomas, 1903:
RMCA: 80.033-M-0001.
Nycteris hispida (Schreber, 1774):
RBINS: 6987.
Rhinolophus Lacépède, 1799:
UNIKIS: CRT2392.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 14464, 14466, 6986. - **RMCA:** 17748, 79.012-M-0001

NE 00024Bc:

Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017:
MNHN: ZM-2016-2790, ZM-2016-2793.
Glauconycteris curryae Eger and Schlitter, 2001:
MNHN: ZM-2016-2797

NE 00025Aa:

Eidolon helvum (Kerr, 1792):
RMCA: 90.042-M-0271.
Epomops franqueti (Tomes, 1860):
RMCA: 90.042-M-0229.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 88.025-M-0004.
Myonycteris torquata (Dobson, 1878):
RMCA: 88.025-M-0005, 88.025-M-0006, 88.025-M-0007

NE 00025Ac:

Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 88.025-M-0008

NE 00025Ca:

Casinycteris argynnis Thomas, 1910:
RMCA: 16211, 93.079-M-0092, 93.079-M-0093, 93.079-M-0094, 93.079-M-0095, 93.079-M-0096, 93.079-M-0097, 93.079-M-0098, 93.079-M-0099, 93.079-M-0100, 93.079-M-0101, 93.079-M-0103, 93.079-M-0104, 93.079-M-0105, 93.079-M-0106, 93.079-M-0107, 93.079-M-0108, 93.079-M-0109, 93.079-M-0110, 93.079-M-0111, 93.079-M-0112, 93.079-M-0113, 93.079-M-0114, 93.079-M-0115, 93.079-M-0116, 93.079-M-0117, 93.079-M-0118, 93.079-M-0119, 93.079-M-0120, 93.079-M-0121, 93.079-M-0122, 93.079-M-0123, 93.079-M-0124, 93.079-M-0125, 93.079-M-0243, 93.079-M-0244, 93.079-M-0246, 93.079-M-0247, 93.079-M-0248, 93.079-M-0249, 93.079-M-0250, 93.079-M-0251, 93.079-M-0252, 93.079-M-0253, 93.079-M-0254, 93.079-M-0255, 93.079-M-0256, 93.079-M-0302, 93.079-M-0303, 93.079-M-0304, 93.079-M-0323, 93.079-M-0324, 93.079-M-0325, 93.079-M-0326. - **UNIKIS:** CHMS076, CSB1, CSB3, CSB4.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 283, 93.079-M-0347, 93.079-M-0348, 93.079-M-0349, 93.079-M-0350, 93.079-M-0351, 93.079-M-0352, 93.079-M-0353, 93.079-M-0354.
CHIROPTERA Blumenbach, 1779:
RMCA: 16442.
Doryrhina cyclops (Temminck, 1853):
RMCA: 93.079-M-0327, 93.079-M-0328.
Eidolon helvum (Kerr, 1792):
RMCA: 88.025-M-0002, 88.025-M-0003. - **UNIKIS:** K13-591, YK037CH.
Epomophorus labiatus (Temminck, 1837):
RMCA: 93.079-M-0281, 93.079-M-0322.
Epomops franqueti (Tomes, 1860):
AMNH: 49203, 49206. - **BMNH:** 1914.4.8.1. - **HZM:** 12.7811, 13.7812. - **RMCA:** 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1420, 1530a, 1530b, 1531, 86.024-M-0003, 86.024-M-0004, 87.010-M-0001, 87.010-M-0003, 87.010-M-0004, 87.010-M-0005, 87.010-M-0011, 87.010-M-0012, 93.079-M-0001, 93.079-M-0002, 93.079-M-0003, 93.079-M-0004, 93.079-M-0005, 93.079-M-0006, 93.079-M-0007, 93.079-M-0008, 93.079-M-0009, 93.079-M-0010, 93.079-M-0011, 93.079-M-0012, 93.079-M-0013, 93.079-M-0014, 93.079-M-0015, 93.079-M-0016, 93.079-M-0017, 93.079-M-0018, 93.079-M-0019, 93.079-M-0020, 93.079-M-0021, 93.079-M-0022, 93.079-M-0023, 93.079-M-0024, 93.079-M-0025, 93.079-M-0126, 93.079-M-0127, 93.079-M-0128, 93.079-M-0129, 93.079-M-0130, 93.079-M-0131, 93.079-M-0132, 93.079-M-0133, 93.079-M-0134, 93.079-M-0135, 93.079-M-0136, 93.079-M-0137, 93.079-M-0138, 93.079-M-0139, 93.079-M-0140, 93.079-M-0141, 93.079-M-0142, 93.079-M-0143, 93.079-M-0144, 93.079-M-0145, 93.079-M-0146, 93.079-M-0147, 93.079-M-0148, 93.079-M-0149, 93.079-M-0150, 93.079-M-0151, 93.079-M-0152, 93.079-M-0153, 93.079-M-0154, 93.079-M-0155, 93.079-M-0156, 93.079-M-0157, 93.079-M-0158, 93.079-M-0159, 93.079-M-0160, 93.079-M-0161, 93.079-M-0162, 93.079-M-0163, 93.079-M-0164, 93.079-M-0165, 93.079-M-0166, 93.079-M-0167, 93.079-M-0168, 93.079-M-0169, 93.079-M-0172, 93.079-M-0173, 93.079-M-0174, 93.079-M-0175, 93.079-M-0176, 93.079-M-0177, 93.079-M-0178, 93.079-M-0179, 93.079-M-0180, 93.079-M-0181, 93.079-M-0182,

93.079-M-0183, 93.079-M-0184, 93.079-M-0185, 93.079-M-0186, 93.079-M-0187, 93.079-M-0188, 93.079-M-0189, 93.079-M-0190, 93.079-M-0191, 93.079-M-0192, 93.079-M-0193, 93.079-M-0194, 93.079-M-0195, 93.079-M-0196, 93.079-M-0197, 93.079-M-0198, 93.079-M-0199, 93.079-M-0200, 93.079-M-0201, 93.079-M-0202, 93.079-M-0203, 93.079-M-0204, 93.079-M-0205, 93.079-M-0206, 93.079-M-0207, 93.079-M-0208, 93.079-M-0209, 93.079-M-0210, 93.079-M-0211, 93.079-M-0212, 93.079-M-0213, 93.079-M-0262, 93.079-M-0263, 93.079-M-0264, 93.079-M-0265, 93.079-M-0266, 93.079-M-0271, 93.079-M-0279, 93.079-M-0282, 93.079-M-0283, 93.079-M-0314. - **UNIKIS:** CHMS068.

Hipposideros ruber (Noack, 1893):
RMCA: 16214, 16217, 82.031-M-0014, 82.031-M-0015, 82.031-M-0016, 82.031-M-0017, 82.031-M-0018, 82.031-M-0019, 82.031-M-0020, 82.031-M-0021, 82.031-M-0022, 93.079-M-0329, 93.079-M-0330, 93.079-M-0331, 93.079-M-0332, 93.079-M-0333, 93.079-M-0334, 93.079-M-0335.

Hypsignathus monstrosus H. Allen, 1862:
AMNH: 48629, 48630, 48652, 49199. - **MCZ:** 17364. - **RMCA:** 93.079-M-0171, 93.079-M-0367, 93.079-M-0368.

Kerivoula smithii Thomas, 1880:
RMCA: 1422.

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 16263, 93.079-M-0336, 93.079-M-0337, 93.079-M-0338, 93.079-M-0339, 93.079-M-0340.

Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 82.031-M-0011, 93.079-M-0060, 93.079-M-0061, 93.079-M-0062, 93.079-M-0063, 93.079-M-0064, 93.079-M-0065, 93.079-M-0066, 93.079-M-0067, 93.079-M-0068, 93.079-M-0069, 93.079-M-0070, 93.079-M-0071, 93.079-M-0072, 93.079-M-0073, 93.079-M-0074, 93.079-M-0075, 93.079-M-0076, 93.079-M-0077, 93.079-M-0078, 93.079-M-0079, 93.079-M-0080, 93.079-M-0081, 93.079-M-0082, 93.079-M-0083, 93.079-M-0084, 93.079-M-0085, 93.079-M-0086, 93.079-M-0087, 93.079-M-0088, 93.079-M-0089, 93.079-M-0090, 93.079-M-0091, 93.079-M-0229, 93.079-M-0230, 93.079-M-0231, 93.079-M-0232, 93.079-M-0233, 93.079-M-0234, 93.079-M-0235, 93.079-M-0236, 93.079-M-0237, 93.079-M-0238, 93.079-M-0239, 93.079-M-0240, 93.079-M-0241, 93.079-M-0242, 93.079-M-0257, 93.079-M-0258, 93.079-M-0259, 93.079-M-0260, 93.079-M-0261, 93.079-M-0268, 93.079-M-0269, 93.079-M-0280, 93.079-M-0293, 93.079-M-0294, 93.079-M-0295, 93.079-M-0296, 93.079-M-0297, 93.079-M-0298, 93.079-M-0299, 93.079-M-0300, 93.079-M-0301, 93.079-M-0369. - **UNIKIS:** CHMS067, CHMS069, CHMS073, CHMS074, CSB2, CSB5, CSB6, ZCH01, ZCH02, ZCH03, ZCH04, ZCH07, ZCH08, ZCH09, ZCH10, ZCH11.

Mimetillus moloneyi (Thomas, 1891):
AMNH: 48858. - **UNIKIS:** CHFS01, CHFS02, CHFS03, CHFS04, CHFS05.

Myonycteris angolensis (Bocage, 1898):
RMCA: 88.017-M-0001, 88.017-M-0002, 88.017-M-0003.

Myonycteris torquata (Dobson, 1878):
RMCA: 82.031-M-0012, 82.031-M-0013, 93.079-M-0026, 93.079-M-0027, 93.079-M-0028, 93.079-M-0029, 93.079-M-0030, 93.079-M-0031, 93.079-M-0032, 93.079-M-0033, 93.079-M-0034, 93.079-M-0035, 93.079-M-0036, 93.079-M-0037, 93.079-M-0038, 93.079-M-0039, 93.079-M-0040, 93.079-M-0041, 93.079-M-0042, 93.079-M-0043, 93.079-M-0044, 93.079-M-0045, 93.079-M-0046, 93.079-M-0047, 93.079-M-0048, 93.079-M-0049, 93.079-M-0050, 93.079-M-0051, 93.079-M-0052, 93.079-M-0053, 93.079-M-0054, 93.079-M-0055, 93.079-M-0056, 93.079-M-0057, 93.079-M-0058, 93.079-M-0059, 93.079-M-0214, 93.079-M-0215, 93.079-M-0216, 93.079-M-0217, 93.079-M-0218, 93.079-M-0219, 93.079-M-0220, 93.079-M-0221, 93.079-M-0222, 93.079-M-0223, 93.079-M-0224, 93.079-M-0225, 93.079-M-0226, 93.079-M-0227, 93.079-M-0228, 93.079-M-0267, 93.079-M-0270, 93.079-M-0272, 93.079-M-0273, 93.079-M-0274, 93.079-M-0275, 93.079-M-0276, 93.079-M-0277, 93.079-M-0278, 93.079-M-0284, 93.079-M-0285, 93.079-M-0286, 93.079-M-0287, 93.079-M-0288, 93.079-M-0289, 93.079-M-0290, 93.079-M-0291, 93.079-M-0292. - **UNIKIS:** CHMS062, CHMS063, CHMS065, CHMS066, CHMS070, CHMS071, CHMS072, CHMS075, CHMS077, ZCH05, ZCH12.

Neoromicia Roberts, 1926:
MCZ: 23382.

Neoromicia nana (Peters, 1852):
AMNH: 48937, 48938, 48939, 48940, 49325, 49342. - **HZM:** 207.7974, 208.7975. - **RMCA:** 11707, 16262, 282, 282a, 282b, 282c, 282d, 282e, 282f, 82.031-M-0033, 82.031-M-0036, 82.031-M-0037, 82.031-M-0038, 82.031-M-0039, 82.031-M-0040, 82.031-M-0041, 82.031-M-0042, 82.031-M-0043, 82.031-M-0044, 82.031-M-0045, 82.031-M-0046, 82.031-M-0047, 82.031-M-0048, 82.031-M-0049, 82.031-M-0050, 82.031-M-0051, 82.031-M-0052, 82.031-M-0053, 82.031-M-0054, 82.031-M-0055, 82.031-M-0056, 82.031-M-0057, 82.031-M-0058, 82.031-M-0059, 82.031-M-0060, 82.031-M-0061, 82.031-M-0062, 82.031-M-0063, 82.031-M-0064, 82.031-M-0065, 82.031-M-0066, 82.031-M-0067, 82.031-M-0068, 82.031-M-0069, 894.

Neoromicia tenuipinnis (Peters, 1872):
RMCA: 16187, 82.031-M-0035, 93.079-M-0346, 93.079-M-0370, 9995.

Nycteris arge Thomas, 1903:
MCZ: 38032. - **RMCA:** 16194, 16198, 893.

Nycteris grandis Peters, 1865:
RMCA: 93.079-M-0341, 93.079-M-0342.

Nycteris hispida (Schreber, 1774):
AMNH: 49139, 49390, 49531. - **RMCA:** 12223, 16203, 82.031-M-0034.

Nycteris nana (K. Andersen, 1912):
RMCA: 93.079-M-0343, 93.079-M-0344, 93.079-M-0345.

Rhinolophus lobatus Peters, 1852:
RMCA: 82.031-M-0023, 82.031-M-0024, 82.031-M-0025, 82.031-M-0026, 82.031-M-0027, 82.031-M-0028, 82.031-M-0029, 82.031-M-0030, 82.031-M-0031, 82.031-M-0032.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 86.024-M-0001, 86.024-M-0002, 87.010-M-0002, 87.010-M-0006, 87.010-M-0007, 87.010-M-0008, 87.010-M-0009, 87.010-M-0010, 93.079-M-0305, 93.079-M-0306, 93.079-M-0307, 93.079-M-0308, 93.079-M-0309, 93.079-M-0310, 93.079-M-0311, 93.079-M-0312, 93.079-M-0313, 93.079-M-0315, 93.079-M-0316, 93.079-M-0317, 93.079-M-0318, 93.079-M-0319, 93.079-M-0320, 93.079-M-0321. - **UNIKIS:** ZCH06.

Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
RMCA: 93.079-M-0102, 93.079-M-0170, 93.079-M-0245, 93.079-M-0356, 93.079-M-0357, 93.079-M-0358, 93.079-M-0359, 93.079-M-0360, 93.079-M-0361, 93.079-M-0362, 93.079-M-0363, 93.079-M-0364, 93.079-M-0365, 93.079-M-0366.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 1430, 16246, 9215, 9216, 93.079-M-0355.

VESPERTILIONIDAE Gray, 1821:
RMCA: 93.079-M-0371, 93.079-M-0372, 93.079-M-0373, 93.079-M-0374, 93.079-M-0375, 93.079-M-0376, 93.079-M-0377, 93.079-M-0378, 93.079-M-0379, 93.079-M-0380, 93.079-M-0381, 93.079-M-0382, 93.079-M-0383, 93.079-M-0384, 93.079-M-0385, 93.079-M-0386, 93.079-M-0387, 93.079-M-0388, 93.079-M-0389, 93.079-M-0390, 93.079-M-0391, 93.079-M-0392, 93.079-M-0393, 93.079-M-0394

NE 00025Ad:

Casinycteris argynnis Thomas, 1910:
RMCA: a1.097-M-3180, a1.097-M-3181, a1.097-M-3182, a1.097-M-3183, a1.097-M-3184, a1.097-M-3185, a1.097-M-3186, a1.097-M-3187. - **UNIKIS:** CHIM013/14, CHIM11, CHIM15, CHIM28, YK038CH.
CHIROPTERA Blumenbach, 1779:
UNIKIS: LK01, LK03, LK04.
Epomops franqueti (Tomes, 1860):
RMCA: a1.097-M-3176, a1.097-M-3177, a1.097-M-3178, a1.097-M-3179. - **UNIKIS:** CHIM010/14, CHIM05/14, CHIM06, CHIM08, CHIM09/14, CHIM46, CHIM49, CHIMA13, CHIMA31, CHIMA32, CHIMA33, CHIMA39, GE241/G16, GE244, GE279/G19, GE285/G17, GE289, GE290, YK007CH, YK008CH, YK023CH, YK026CH, YK027CH, YK031, YK033CH, YK034CH.
Glauconycteris Dobson, 1875:
UNIKIS: CHIM020/14.
Glauconycteris argentata (Dobson, 1875):
MNHN: ZM-2016-2780.
Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017:
MNHN: ZM-2016-2794.
Glauconycteris beatrix Thomas, 1901:
MNHN: ZM-2016-2786, ZM-2016-2787, ZM-2016-2788, ZM-2016-2789.
Glauconycteris curryae Eger and Schlitter, 2001:
MNHN: ZM-2016-2798, ZM-2016-2799.
Glauconycteris superba Hayman, 1939:
MNHN: ZM-2016-2803, ZM-2016-2804, ZM-2016-2805, ZM-2016-2806, ZM-2016-2807. - **RMCA:** a1.097-M-3153. - **UNIKIS:** ABCHIM01.
Hipposideros Gray, 1831:
UNIKIS: ABCHIMAF12, GE128, GE318.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: a1.097-M-3164, a1.097-M-3165. - **UNIKIS:** GE283, YK006, YK028CH, YK029CH, YK032CH.
Macronycteris gigas (Wagner, 1845):
RMCA: a1.097-M-3212, a1.097-M-3213.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: a1.097-M-3197, a1.097-M-3198, a1.097-M-3199, a1.097-M-3200, a1.097-M-3201, a1.097-M-3202, a1.097-M-3203, a1.097-M-3204, a1.097-M-3205, a1.097-M-3206, a1.097-M-3207, a1.097-M-3208, a1.097-M-3209, a1.097-M-3210, a1.097-M-3211. - **UNIKIS:** ABCHIM03, ABCHIM04, ABCHIM05, ABCHIM06, CHIM01, CHIM018/14, CHIM021/14, CHIM022/14, CHIM023/14, CHIM04/14, CHIM09, CHIM17, CHIM24, CHIM25, CHIM36, CHIM37, CHIMA54, CHIMTB02, CHIMTB03, CHIMTB04, CHIMTB05, CHIMTB06, CHIMTB07, CHIMTB08, CHIMTB09, CHIMTB10, YK002CH.
Myonycteris torquata (Dobson, 1878):
RMCA: a1.097-M-3161, a1.097-M-3191, a1.097-M-3192, a1.097-M-3193. - **UNIKIS:** ABCHIM07, ABCHIM08, ABCHIM09, ABCHIM11, CHIM011/14, CHIM012/14, CHIM07, CHIM07/14, CHIM29, CHIM34, CHIM35, CHIM40, CHIM41, CHIM42, CHIM43, CHIM44, CHIM45, CHIM47, CHIMA38, CHIMTB01, GE246, GE281, GE284, GE293, YK005CH, YK010CH, YK013CH, YK015CH, YK018CH, YK019CH, YK025CH.
Myotis bocagii (Peters, 1870):
RMCA: a1.097-M-3220. - **UNIKIS:** CHIM53, YK017CH.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: a1.097-M-3162, a1.097-M-3163. - **UNIKIS:** GE125, GE126, GE234/G15, GE235, GE236/G22, GE237, GE238/G21, GE242, GE243, GE245/G13, GE248, GE250, GE267/G14, GE286.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
RMCA: a1.097-M-3188, a1.097-M-3189, a1.097-M-3190. - **UNIKIS:** ABCHIM02, ABCHIM10

NE 00025Bc:

Eidolon helvum (Kerr, 1792):
RMCA: 90.042-M-0230.
Epomops franqueti (Tomes, 1860):
RMCA: 90.042-M-0231.
Glauconycteris beatrix Thomas, 1901:
MNHN: ZM-2016-2784, ZM-2016-2785.
Hipposideros ruber (Noack, 1893):
RMCA: 82.019-M-0001, 82.019-M-0002, 82.019-M-0003, 82.019-M-0004.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 82.019-M-0013, 82.019-M-0014, 82.019-M-0015, 82.019-M-0016, 82.019-M-0017, 82.019-M-0018, 82.019-M-0019, 82.019-M-0020, 82.019-M-0021.
Mops (Mops) congicus J.A. Allen, 1917:
RMCA: 86.024-M-0006.
Myotis bocagii (Peters, 1870):
RMCA: 82.019-M-0008.

Neoromicia nana (Peters, 1852):
RMCA: 82.019-M-0005, 82.019-M-0006.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 82.019-M-0007.
Nycteris arge Thomas, 1903:
RMCA: 82.019-M-0010.
Nycteris grandis Peters, 1865:
RMCA: 82.031-M-0006.
Nycteris hispida (Schreber, 1774):
RMCA: 82.019-M-0009, 82.031-M-0007, 97.009-M-5952, 97.009-M-5953.
Nycteris macrotis Dobson, 1876:
RMCA: 82.031-M-0008, 82.031-M-0009, 82.031-M-0010.
Nycteris nana (K. Andersen, 1912):
RMCA: 82.019-M-0011.
Rhinolophus lobatus Peters, 1852:
RMCA: 82.019-M-0012

NE 00025Db:

Epomops franqueti (Tomes, 1860):
RMCA: a1.097-M-3173, a1.097-M-3174, a1.097-M-3175. - **UNIKIS:** UM001, UM002, UM003, UM009, UM011, UM012, UM015, UM017, UM019, UM020, UM023, UMA535, UMA542, UMA570, UMA572, UMA574, UMA575, UMA576, UMA587, UMA606, UMA608, UMA613, UMA614, UMA631.
Hipposideros Gray, 1831:
UNIKIS: UMA504, UMA618, UMA619.
Hipposideros caffer (Sundevall, 1846):
UNIKIS: UMA503.
Hipposideros ruber (Noack, 1893):
UNIKIS: UMA513, UMA622, UMA625.
Megaloglossus woermanni Pagenstecher, 1885:
UNIKIS: UMA544.
Myonycteris torquata (Dobson, 1878):
UNIKIS: UMA501, UMA624, UMA635.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: a1.097-M-3166, a1.097-M-3167, a1.097-M-3168, a1.097-M-3169, a1.097-M-3170, a1.097-M-3171. - **UNIKIS:** UM013, UM014, UM021, UM025, UMA540, UMA548, UMA549, UMA552, UMA562, UMA579, UMA580, UMA582, UMA585, UMA610, UMA611, UMA620, UMA633, UMA634.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
UNIKIS: UMA525, UMA583, UMA609, UMA615

NE 00026Cd:

Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
RMCA: 90.031-M-0009

NE 00027Da:

Epomops franqueti (Tomes, 1860):
RMCA: 1605, 3447.
Neoromicia nana (Peters, 1852):
RMCA: 1610

NE 00027Dc:

Epomops franqueti (Tomes, 1860):
BMNH: 1914.4.8.2. - **RMCA:** 1601, 1602, 1603, 1604, 3448, 3449.
Nycteris hispida (Schreber, 1774):
RMCA: 1608

NE 00027Db:

Nycteris arge Thomas, 1903:
BMNH: 1914.4.8.5.
Nycteris hispida (Schreber, 1774):
RMCA: 1607, 1609

NE 00028Bc:

Neoromicia nana (Peters, 1852):
RMCA: 9903

NE 00028Dc:

Hipposideros ruber (Noack, 1893):
RMCA: 19903

NE 00028Dd:

Kerivoula smithii Thomas, 1880:
NMW: 10298, 10299, 16728.
Nycteris arge Thomas, 1903:
NMW: 10301.
Nycteris grandis Peters, 1865:
NMW: 10300

NE 00029Aa:

Myonycteris angolensis (Bocage, 1898):
RMCA: 38568, 38577

NE 00029Ca:

Hipposideros caffer (Sundevall, 1846):
RBINS: 7066.
Hypsignathus monstrosus H. Allen, 1862:
RBINS: 7040

NE 00029Ab:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 81.049-M-0002.
Eidolon helvum (Kerr, 1792):
RMCA: 22812, 23135, 23313, 23404, 23448, 23551, 23552, 23554, 23555, 23556, 23557, 23558, 23677, 23678, 23679, 23680, 23681a, 23681b, 23682, 23683, 23684, 23685, 23686, 23687, 23688, 23689, 23739, 26421, 26422, 27480, 27488, 27494, 28321.
Epomophorus labiatus (Temminck, 1837):
RMCA: 19922, 22722, 22813, 22814a, 22815, 23740, 24004, 24005, 24006, 24007, 24008, 24009, 24010, 24011, 24012, 24013, 24014, 24015, 24016, 24017, 24018, 25848, 25849, 25850, 25851, 26198, 26423, 26434, 26583, 26584, 26585, 26586, 26650, 26651, 26681, 26894, 27041, 27042, 27043, 27044, 27045, 27046, 27047, 27048, 27049, 27050, 27349, 27350, 27351, 27352, 27353, 27354, 27355, 27356, 27357, 27358, 27376, 27377, 27378, 27379, 27380, 27381, 27382, 27383, 27385, 27386, 27387, 27481, 27482, 27483, 27484, 27485, 27486, 27487, 27489, 27490, 27491, 27492, 27493, 27651, 27652, 27653, 27654, 27779, 27780, 27781, 27886, 27887, 27888, 27889, 27890, 28322, 28323, 28324, 28325, 28326, 28327, 28328, 28329, 28330, 28331, 28332, 28333, 28334, 28335, 28336, 28337, 28338, 28339, 30809, 36193, 36195, 36196, 36197, 36201, 36203, 75.042-M-0001, 75.042-M-0002, 75.042-M-0003, 75.042-M-0004, 75.042-M-0005, 75.042-M-0006.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 38242.
Epomops franqueti (Tomes, 1860):
RMCA: 22814b.
Glauconycteris argentata (Dobson, 1875):
RMCA: 22723a, 22816, 22817, 22818.
Hipposideros caffer (Sundevall, 1846):
RBINS: 7078, 7079, 7080.
Hipposideros ruber (Noack, 1893):
RMCA: 19916, 19917, 19918, 19919, 19920, 19921, 20574, 81.049-M-0003, 81.049-M-0004, 81.049-M-0005.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 23956.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
INPBC: W546. - **RMCA:** 37134.
Macronycteris gigas (Wagner, 1845):
RBINS: 7062.
Miniopterus fraterculus Thomas and Schwann, 1906:
RBINS: 7081, 7082, 7083, 7084.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
RMCA: 27868, 27869, 27870, 27871, 27872, 27873, 27874, 27875, 27876.
Myonycteris angolensis (Bocage, 1898):
RMCA: 23449, 23675, 23741, 26435, 26652, 36194, 36204, 36207, 36208.
Neoromicia nana (Peters, 1852):
RMCA: 27397.
Neoromicia rendalli (Thomas, 1889):
RMCA: 22723b.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 27877, 27878, 27879, 27880, 27881, 27882, 27883, 27884.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
RBINS: 7047.
Rousettinae Andersen, 1912:

RMCA: 75.042-M-0007.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RBINS: 7054. - **RMCA:** 27384, 29242, 36206.
Stenonycteris lanosus (Thomas, 1906):
RMCA: 23553, 23674, 23676, 36200, 36202, 36205.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 27885

NE 00029Ad:

Epomophorus crypturus Peters, 1852:
RMCA: 38565.
Epomophorus labiatus (Temminck, 1837):
RMCA: 38575, 38576.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 38567, 38571.
Epomops franqueti (Tomes, 1860):
RMCA: 36221, 38564, 38570, 38574.
Hipposideros ruber (Noack, 1893):
RMCA: 18864a, 18865, 18866.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 38562.
Myonycteris angolensis (Bocage, 1898):
RMCA: 36247, 38573, 38578, 38579, 38580, 38581, 38582.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 36246.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 18864b

NE 00029Cb:

Doryrhina cyclops (Temminck, 1853):
RMCA: 3243.
Eidolon helvum (Kerr, 1792):
AMNH: 82360, 82361.
Epomophorus labiatus (Temminck, 1837):
RMCA: 12133, 12134, 28530, 3245.
Epomops franqueti (Tomes, 1860):
NMW: 4879.
Hipposideros caffer (Sundevall, 1846):
FMNH: 26240, 26241, 26242, 26243, 30622, 30623, 30624, 30625, 30626, 30627, 30628, 30629, 30630, 30631, 30632, 30633, 30634. - **MCZ:** 33500.
Hipposideros ruber (Noack, 1893):
RMCA: 28154.
Hypsignathus monstrosus H. Allen, 1862:
AMNH: 82357, 82358, 82359, 82529.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 15303.
Neoromicia nana (Peters, 1852):
FMNH: 26495, 26496. - **ZMUC:** 1541, 1542, 1543.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 28827.
Nycteris arge Thomas, 1903:
BMNH: 1906.12.4.61, 1906.12.4.62. - **RMCA:** 28155a.
Nycteris grandis Peters, 1865:
RMCA: 3240.
Nycteris macrotis Dobson, 1876:
RMCA: 28155b.
Nycteris nana (K. Andersen, 1912):
FMNH: 30714, 30715.
Pipistrellus Kaup, 1829:
FMNH: 30635, 30636, 30637, 30638, 30639, 30640, 30641, 30642, 30643, 30644, 30645, 30646, 30647, 30648, 30649, 30650, 30651, 30652, 30653, 30654, 30655, 30656, 30657, 30658, 30659, 30660, 30661, 30662, 30663, 30664, 30665, 30666, 30667, 30668.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 3238a, 3238b, 3239.
Saccolaimus peli (Temminck, 1853):
FMNH: 30709, 30710. - **RMCA:** 15404.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
RMCA: 3244.
Tadarida ventralis (Heuglin, 1861):
RMCA: 29241

NE 00029Ba:

Epomophorus Bennett, 1836:
INPBC: W1282.
Epomophorus labiatus (Temminck, 1837):
RMCA: 38155.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
INPBC: W1305, W1307, W1382, W583. - **RMCA:** 16628, 16629, 37135, 37139, 37143, 37144. - **ZMB:** 67896, 67897.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
INPBC: V794.1, V794.2, V794.3.
Neoromicia nana (Peters, 1852):
RMCA: 37281, 37375.
Nycteris hispida (Schreber, 1774):
INPBC: V1144.35.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RBINS: 12930

NE 00029Bc:

Chaerephon bemmeleni (Jentink, 1879):
INPBC: V857.
Chaerephon pumilus (Cretzschmar, 1826):
INPBC: W240c, W253.
Eidolon helvum (Kerr, 1792):
RBINS: 12778, 12779.
Epomophorus labiatus (Temminck, 1837):
INPBC: W1240, W1367, W1475, W332. - **RBINS:** 17292. - **RMCA:** 37106, 37108, 37110, 37112, 37113.
Epomops franqueti (Tomes, 1860):
BMNH: 1906.12.4.59. - **INPBC:** W703. - **RBINS:** 13327.
Hipposideros caffer (Sundevall, 1846):
RBINS: 12946.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
INPBC: W1358, W1360. - **RMCA:** 37140, 37141.
Macronycteris vittatus (Peters, 1852):
RBINS: 13325.
Myotis welwitschii (Gray, 1866):
INPBC: W916.
Neoromicia nana (Peters, 1852):
INPBC: W333.1, W333.2, W333.3, W509. - **RMCA:** 37174.
Nycteris hispida (Schreber, 1774):
INPBC: V489, W1020, W814. - **RBINS:** 12943. - **RMCA:** 37120, 37122, 37123, 37125, 37128.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RBINS: 12931.
Stenonycteris lanosus (Thomas, 1906):
RBINS: 12927.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 12937, 12938, 12939, 17294. - **RMCA:** 37162

NE 00029Da:

Doryrhina cyclops (Temminck, 1853):
INPBC: V1078.3, V1093.1, V1100, V1257.2, V1657, V1661.4, V1662.1, V1662.2, V1662.3, V1668.1, V1668.3.3, V185, W1152.
Epomops franqueti (Tomes, 1860):
NMW: 4878.
Hipposideros caffer (Sundevall, 1846):
INPBC: V1093.2, V1094.1, V1094.2, V1278.
Hipposideros ruber (Noack, 1893):
RMCA: 37145.
Myonycteris angolensis (Bocage, 1898):
RBINS: 13228.
Neoromicia nana (Peters, 1852):
RMCA: 16285.
Nycteris arge Thomas, 1903:
INPBC: V1078.1, V1078.2, V1095.1, V1279, V1289, V1661.1, V1661.2, V1661.3, V1668.2, V1668.3.1, V1668.3.2.
Nycteris grandis Peters, 1865:
INPBC: V1256.1, V1256.2, V1256.3, V1277.1.
Nycteris intermedia Aellen, 1959:
INPBC: V1076.1, V1076.2, V1077.1, V1077.2, V1668.4.
Nycteris nana (K. Andersen, 1912):
INPBC: V1065.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
INPBC: V1345

NE 00029Dc:

Hipposideros caffer (Sundevall, 1846):
INPBC: W1464.1, W1464.2. - **RBINS:** 7087.
Hipposideros ruber (Noack, 1893):
RMCA: 37160, 37161.
Hypsignathus monstrosus H. Allen, 1862:
RBINS: 12945.
Miniopterus inflatus Thomas, 1903:
RMCA: 37170, 37171, 37172.
Myonycteris angolensis (Bocage, 1898):
INPBC: W1461.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
RBINS: 7055.
Nycteris arge Thomas, 1903:
MCZ: 38025.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
RBINS: 7048.
Rousettus Gray, 1821:
INPBC: W1467.
Saccolaimus peli (Temminck, 1853):
MCZ: 38027.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 37378

NE 00029Bb:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 37172, 37178.
Epomophorus labiatus (Temminck, 1837):
ROM: 39978, 39979, 39980, 39981, 39983, 39984, 39985, 39986, 39987, 39988, 39995.
Epomops franqueti (Tomes, 1860):
ROM: 39982

NE 00029Bd:

Chaerephon pumilus (Cretzschmar, 1826):
INPBC: W138.01, W138.02, W138.03.
Epomophorus labiatus (Temminck, 1837):
RMCA: 37107, 37111.
Epomops franqueti (Tomes, 1860):
INPBC: W1283. - **RBINS:** 13326.
Hipposideros ruber (Noack, 1893):
RMCA: 16607.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 12170, 16601, 37142.
Miniopterus inflatus rufus Sanborn, 1936:
FMNH: 144314.
Myonycteris angolensis (Bocage, 1898):
FMNH: 144247, 144248, 144249, 144250, 144251, 144252, 144253, 144254, 144255, 144256, 144257, 144258, 144259, 144260, 144261, 144262, 144263, 144264, 144265, 144266, 144267, 144268, 144269, 144270, 144271, 144272, 144273, 144274, 144275, 144276, 144277, 144278, 144279, 144280.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
RBINS: 13328.
Neoromicia nana (Peters, 1852):
RBINS: 15452.01, 15452.02, 15452.03, 15452.04, 15452.05, 15452.06, 15452.07, 15452.08, 15452.09, 15452.10, 15452.11, 15452.12, 15452.13, 15452.14, 15452.15, 15452.16, 15452.17, 15452.18, 15452.19, 15452.20, 15452.21. - **RMCA:** 16600. - **ZMB:** T09311.
Neoromicia tenuipinnis (Peters, 1872):
INPBC: W53.
Nycteris hispida (Schreber, 1774):
INPBC: W587. - **RMCA:** 16603, 21546.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 144317.
Rhinolophus clivosus Cretzschmar, 1828:
RMCA: 16602.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
AMNH: 82394. - **FMNH:** 144310, 144311, 144312. - **LACM:** 51751.
Stenonycteris lanosus (Thomas, 1906):
AMNH: 82380, 82526, 82527, 82528. - **FMNH:** 144282, 144283, 144284, 144285, 144286, 144287, 144288, 144289, 144290, 144291, 144292, 144293, 144294, 144295, 144296, 144297, 144298, 144299, 144300, 144301, 144302, 144303, 144304, 144305, 144306, 144307, 144308, 26234, 26235, 26236, 26237, 30572, 30573, 30574, 30576, 30577. - **RBINS:** 17299, 37116, 37117. - **RMCA:** 37116, 37117, 9904a. - **USNM:** 260141

NE 00029Db:

Eidolon helvum (Kerr, 1792):
RBINS: 12772, 12773, 12774, 12775, 12776, 12777.
Saccolaimus peli (Temminck, 1853):
RBINS: 21460.
Stenonycteris lanosus (Thomas, 1906):
INPBC: V1178

NE 00029Dd:

Doryrhina cyclops (Temminck, 1853):
INPBC: V1285.5, V1290.1, V1290.2, V1290.3, V1290.4, V1290.5, V1290.6, V1290.7, V1290.8.
Epomops franqueti (Tomes, 1860):
RMCA: 12165.
Hipposideros Gray, 1831:
INPBC: V1057.2b.
Hipposideros caffer (Sundevall, 1846):
INPBC: W1077, W1191.01, W1191.02, W1191.03, W1191.04, W1191.05, W1191.06, W1191.07, W1191.08, W1191.09, W1191.10.
Hipposideros ruber (Noack, 1893):
RMCA: 37147, 37148, 37149, 37150, 37151, 37152, 37153, 37154.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 3236, 3237.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
INPBC: V1285.4.1, V1285.4.2.
Nycteris arge Thomas, 1903:
INPBC: V1291.1, V1291.2, V1294.
Saccolaimus peli (Temminck, 1853):
RMCA: 3241, 3242.
Stenonycteris lanosus (Thomas, 1906):
RBINS: 12928

NE 00030Ac:

Chaerephon pumilus (Cretzschmar, 1826):
BMNH: 1936.3.16.21.
Eidolon helvum (Kerr, 1792):
MCZ: 39197.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1906.12.4.10, 1906.12.4.7, 1906.12.4.8, 1906.12.4.9.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 935a, 935b, 935c, 935d, 935e, 936a, 936b, 936c.
Myonycteris angolensis (Bocage, 1898):
FMNH: 144242, 144243, 144244, 144245, 144246. - **RMCA:** 933a, 933b, 933c, 934a, 934b, 934c. - **USNM:** 172916.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
BMNH: 1906.12.4.2, 1906.12.4.3, 1906.12.4.4, 1906.12.4.5, 1906.12.4.6.
Myotis welwitschii (Gray, 1866):
FMNH: 144313.
Neoromicia nana (Peters, 1852):
RMCA: 937, 938, 939. - **USNM:** 172925.
Nycteris hispida (Schreber, 1774):
BMNH: 1906.12.4.16, 1906.12.4.17, 1906.12.4.75, 1906.12.4.76.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
BMNH: 1955.1187.
Rousettus Gray, 1821:
MCZ: 58414.
Stenonycteris lanosus (Thomas, 1906):
BMNH: 1906.12.4.11. - **FMNH:** 144281

NE 00030Ca:

Epomophorus labiatus (Temminck, 1837):
MIZT: 2137

NE 00030Cc:

Doryrhina cyclops (Temminck, 1853):
AMS: M.29300.
Epomophorus labiatus (Temminck, 1837):
LACM: 51446, 51447, 51448, 51453.
Epomops franqueti (Tomes, 1860):
LACM: 51480, 51481, 51482, 51483, 51484, 51485, 51486, 51487, 51488, 51489, 51490, 51491, 51493.
Hypsignathus monstrosus H. Allen, 1862:
LACM: 51403.

Kerivoula phalaena Thomas, 1912:
LACM: 51973, 51974.
Kerivoula smithii Thomas, 1880:
LACM: 52041, 52042, 52043.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
BRTC: 20909. - **ROM:** 59160.
Megaloglossus woermanni Pagenstecher, 1885:
LACM: 51642, 51643, 51644, 51645, 51655, 51656. - **ROM:** 49296.
Micropteropus pusillus (Peters, 1868):
LACM: 51414.
Mimetillus moloneyi (Thomas, 1891):
LACM: 52064.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
LACM: 51515, 51517, 51518, 51519.
Myonycteris torquata (Dobson, 1878):
LACM: 51640.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
LACM: 51513, 51514, 51538

NE 00030Ad:

Epomops franqueti (Tomes, 1860):
FMNH: 224023, 224024, 224025, 224026, 224027, 224028, 224029, 224030, 224032, 224033, 224034, 224035, 224036, 224037, 224038, 224039, 224040, 224041, 224042, 224043, 224044, 224045, 224046, 224048, 224049, 224050, 224051, 224052, 224053, 224054, 224055, 224056, 224057, 224058, 224059, 224060, 224061, 224062, 224460, 224461, 224462. -
LACM: 51495, 51496, 51625.
Hipposideros Gray, 1831:
FMNH: 224101.
Hypsignathus monstrosus H. Allen, 1862:
LACM: 51406, 51407, 51408.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
LACM: 51621, 51622, 51623, 51624, 51631, 51632, 51633, 51634, 51635.
Myonycteris torquata (Dobson, 1878):
FMNH: 224064, 224065, 224463.
Neoromicia nana (Peters, 1852):
MCZ: 39200, 40808, 40809, 40810, 40811.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
LACM: 51512

NE 00030Cb:

Doryrhina cyclops (Temminck, 1853):
FMNH: 224066, 224067, 224068.
Epomops franqueti (Tomes, 1860):
FMNH: 224020, 224021, 224022.
Hipposideros ruber (Noack, 1893):
FMNH: 224069, 224070, 224071, 224072, 224073, 224074, 224075, 224076, 224077, 224078, 224079, 224080, 224081, 224082, 224083, 224084, 224085, 224086, 224087, 224088, 224089, 224090, 224091, 224092, 224093, 224094, 224095, 224096, 224097, 224098, 224099.
Myonycteris torquata (Dobson, 1878):
FMNH: 224063.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 224103, 224104.
Nycteris arge Thomas, 1903:
FMNH: 224102

NE 00030Ba:

Megaloglossus woermanni Pagenstecher, 1885:
AMS: M.29720

NE 00030Da:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 28158.
Doryrhina cyclops (Temminck, 1853):
ROM: 38362, 38363, 38364, 38365, 38366, 38367.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 77918.
Megaloglossus woermanni Pagenstecher, 1885:
ROM: 78109.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 38343.
Myonycteris torquata (Dobson, 1878):
ROM: 78003.

Nycteris nana (K. Andersen, 1912):
ROM: 91176.
Rhinolophus eloquens K. Andersen, 1905:
AMNH: 82391

NE 00031Cb:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 48897, 48898

NE 00031Bc:

Rhinolophus clivosus Cretzschmar, 1828:
AMNH: 219727, 219728, 219729, 219730, 219731, 219732.
Stenonycteris lanosus (Thomas, 1906):
AMNH: 219703, 219704, 219705, 219706, 219707, 219708, 219709, 219710, 219711, 219712, 219713, 219714, 219715, 219716, 219717

NE 00032Aa:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 68685, 68691.
Mops (Mops) trevori J.A. Allen, 1917:
BMNH: 1923.4.12.26. - **RMCA:** 31152

NE 00032Ac:

Neoromicia rendalli (Thomas, 1889):
BMNH: 1923.4.12.1, 1923.4.12.2.
Pipistrellus rueppellii (Fischer, 1829):
SMF: 16898

NE 00032Ab:

Chaerephon aloysiisabaudiae (Festa, 1907):
ZMB: T09247.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 184231, 184232, 184233, 184234, 184235, 184236, 184237, 184238, 184239, 184385, 184386, 184394. - **BMNH:** 1964.221. - **FMNH:** 67944. - **MCZ:** 48899, 48900, 48901, 48902, 48903, 48904, 48905. - **ROM:** 38295, 38296.
Eidolon helvum helvum (Kerr, 1792):
ROM: 39041, 39042.
Epomophorus labiatus (Temminck, 1837):
AMNH: 184227. - **BMNH:** 1964.62. - **ZMB:** A5.08.
Glauconycteris variegata (Tomes, 1861):
AMNH: 184228. - **BMNH:** 1899.8.4.14. - **ZMB:** 67656.
Hipposideros caffer (Sundevall, 1846):
FMNH: 67925.
Hipposideros ruber (Noack, 1893):
AMNH: 184364, 184365, 28602. - **BMNH:** 1899.8.4.8. - **FMNH:** 67918, 67919, 67920, 67921, 67922, 67923, 67924.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 67845, 67874.
Micropteropus pusillus (Peters, 1868):
FMNH: 67860, 67861.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 184420. - **FMNH:** 67939. - **RMCA:** 16289, 16290. - **ZMB:** T09681.
Myopterus whitleyi (Scharff, 1900):
BMNH: 1923.4.12.52. - **MNHN:** ZM-MO-1908-12. - **RMCA:** 31153.
Neoromicia nana (Peters, 1852):
SMF: 16900, 16901. - **ZMB:** T09309, T10377.
Neoromicia rendalli (Thomas, 1889):
RMCA: 16295, 16296. - **ZMB:** 67576.
Neoromicia tenuipinnis (Peters, 1872):
FMNH: 67930, 67931. - **MHNG:** 740.002. - **ROM:** 28156, 28157, 28159, 68686. - **ZMB:** 66966.
Nycteris hispida (Schreber, 1774):
BMNH: 1906.3.8.5, 1906.3.8.6, 1965.451.
Nycteris macrotis Dobson, 1876:
BMNH: 1906.3.8.4, 1965.558.
Pipistrellus rueppellii (Fischer, 1829):
MNHN: ZM-MO-1985-1033. - **RMCA:** 16293, 16294.
Pipistrellus rueppellii fuscipes Thomas, 1913:
AMNH: 28603. - **BMNH:** 1906.7.1.5.
Rhinolophus eloquens K. Andersen, 1905:
BMNH: 1899.8.4.3, 1899.8.4.4, 1899.8.4.5, 1899.8.4.6, 1964.2078. - **ROM:** 68683.
Scotophilus Leach, 1821:
MCZ: 45110.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 184229, 184230

NE 00032Ad:

Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 233868. - **AMS:** M.29822.
Myotis bocagii (Peters, 1870):
AMS: M.29880.
Neoromicia somalica (Thomas, 1901):
AMS: M.29823. - **HZM:** 4.18818.
Pipistrellus nanulus Thomas, 1904:
BMNH: 1971.938

NE 00032Ba:

Hipposideros ruber (Noack, 1893):
KU: 151342

NE 00032Bc:

Chaerephon nigeriae Thomas, 1913:
BMNH: 1947.14.
Chaerephon pumilus (Cretzschmar, 1826):
CAS: 24550.
Eidolon helvum (Kerr, 1792):
MVZ: 183472. - **ROM:** 78004.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 184224, 184225, 184226. - **ROM:** 38776, 38777, 38778, 38779, 38780, 38781, 38782, 38783, 38784, 38785, 38786, 38787, 40098, 42756, 42757, 42758, 42759, 45916.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1899.8.4.2. - **ROM:** 40069, 40070, 40071, 40101, 40102, 40103, 40104, 40105, 40106, 40107, 40108, 40109, 40110, 40111, 40112, 40113, 40114, 40115. - **USNM:** 16405, 16407, 16410, 16411, 16413, 164905, 164906, 164907, 164909, 164910, 164911, 164912, 164913, 164914, 166598, 166599, 166600, 166601, 166602, 166603, 166635, 166636, 166637.
Epomophorus wahlbergi (Sundevall, 1846):
CAS: 24655, 24656, 24657, 24658, 24659, 24660, 24661, 24662.
Epomops franqueti (Tomes, 1860):
ROM: 40066, 40068, 40100, 40116, 40117.
Hipposideros caffer (Sundevall, 1846):
CAS: 24675, 24676, 24677, 24678, 24679, 24680, 24681, 24682.
Hypsignathus monstrosus H. Allen, 1862:
AMS: M.29672. - **HZM:** 1.3518.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 28539, 28540, 28541, 28542, 28543, 62264, 62265.
Micropteropus pusillus (Peters, 1868):
ROM: 40064.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
SMF: 23677.
Neoromicia Roberts, 1926:
CAS: 24727, 24728, 24729, 24730, 24731, 24732, 24733, 24734, 24735, 24736, 24737, 24738, 24739.
Neoromicia nana (Peters, 1852):
ROM: 40079, 40094, 78236.
Neoromicia somalica (Thomas, 1901):
ROM: 63434.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 63429, 63430, 63431, 63432, 63433.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1896.5.29.1.
Pipistrellus grandidieri (Dobson, 1876):
BMNH: 1966.1171.
Scotoecus hirundo (de Winton, 1899):
ROM: 63435.
Scotophilus dinganii (A. Smith, 1833):
CAS: 24593, 24594, 24595, 24596, 24597, 24598, 24599, 24600. - **ROM:** 45912.
Scotophilus leucogaster (Cretzschmar, 1826):
CUMV: 20849, 20850, 20851, 20852. - **ROM:** 40099.
Tadarida Rafinesque, 1814:
CAS: 24726

NE 00032Da:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 40030, 40031, 40032, 40033, 40034, 40035, 40036, 40037, 40038, 40039, 40040, 40041.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1962.471, 1962.472, 1962.473, 1962.474, 1962.475.

Epomops franqueti (Tomes, 1860):
ROM: 40072.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 68682.
Neoromicia somalica (Thomas, 1901):
SMF: 41819

NE 00032Bb:

Myotis bocagii (Peters, 1870):
BMNH: 1930.12.1.22

NE 00032Bd:

Neoromicia capensis (A. Smith, 1829):
BMNH: 1962.2051

NE 00032Db:

Hypsignathus monstrosus H. Allen, 1862:
ROM: 40119.
Neoromicia nana (Peters, 1852):
MCZ: 26441

NE 00033Bc:

Eidolon helvum (Kerr, 1792):
OMNH: 7592

NE 00033Bb:

Chaerephon pumilus (Cretzschmar, 1826):
CAS: 24549. - **ROM:** 63297, 63298, 63302, 63303.
Hipposideros caffer (Sundevall, 1846):
CAS: 24673, 24674. - **ROM:** 63361.
Hypsignathus monstrosus H. Allen, 1862:
ROM: 91154.
Mops (Mops) condylurus (A. Smith, 1833):
CAS: 24551, 24552, 24553, 24554, 24555, 24556, 24557, 24558.
Myotis bocagii (Peters, 1870):
ROM: 63340-a.
Neoromicia nana (Peters, 1852):
CAS: 24623, 24624, 24625, 24626, 24627, 24636, 24637. - **ROM:** 60156, 60157, 60158, 63279, 63280, 63281, 63282, 63283, 63284, 63285, 63286, 63287, 63288, 63289, 63290, 63291, 63292, 63293, 63294, 63295, 63296, 63299, 63300, 63301, 63328, 63329, 63330, 63331, 63332, 63333, 63334, 63335, 63336, 63337, 63338, 63339, 63340-b, 63411, 63412, 63413, 63414, 63415.
Nycteris G. Cuvier and E. Geoffroy, 1795:
CAS: 24572, 24573

NE 00034Aa:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 36500, 38270.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 36354, 36356, 36357, 36358, 36359, 38285, 38286, 38287, 38288, 38289

NE 00034Ac:

Chaerephon bivittatus (Heuglin, 1861):
AMNH: 184416, 184417, 184418, 184419.
Miniopterus africanus Sanborn, 1936:
AMNH: 184358, 184359, 184366.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 184360, 184361, 184362, 184363, 184462.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 184453

NE 00034Ca:

Chaerephon Dobson, 1874:
ZMA: MAM.13370, MAM.13371, MAM.13372, MAM.13373, MAM.13374, MAM.13375, MAM.13376, MAM.13377, MAM.13378, MAM.13379, MAM.13380, MAM.13381, MAM.13382.
Chaerephon pumilus (Cretzschmar, 1826):
CAS: 24536, 24537, 24538, 24539, 24540, 24541, 24542, 24543, 24544, 24545. - **ROM:** 63427, 63428.

Coleura afra (Peters, 1852):
CAS: 24574, 24575, 24576, 24577, 24578, 24579, 24580, 24581, 24582, 24583. - **ROM:** 60013, 60014, 60016, 60017, 60018, 60019, 60020, 60021, 60022, 60023, 60024, 60025, 60026, 60027, 60028, 60029, 60030, 60031, 60032, 60033, 60034, 60035, 60036, 60037, 60038, 60039, 60040, 60041, 60042, 60043, 60044, 60045, 60046, 60047, 60048, 60049, 60050, 60051, 60052, 60053, 60054.
Epomophorus wahlbergi (Sundevall, 1846):
CAS: 24647, 24648, 24649, 24650, 24651, 24652, 24653, 24654. - **ROM:** 60000, 60001, 60002, 60003, 60004, 60005, 60006, 60007, 60008, 60009, 60010, 60011, 60012.
Hipposideros Gray, 1831:
CAS: 24693, 24694, 24695, 24696, 24697, 24698, 24699, 24700, 24701, 24702, 24703, 24704, 24705, 24706, 24707.
Hipposideros beatus (K. Andersen, 1906):
ROM: 60056, 60062.
Hipposideros caffer (Sundevall, 1846):
CAS: 24664, 24665, 24666, 24667, 24668, 24669, 24670, 24671, 24672. - **ROM:** 60057, 60058, 60059, 60060, 60061, 60063, 60064, 60065, 60066, 60067, 60068, 60069, 60070, 60071, 60112, 60113, 60116, 60117, 60118, 60119, 63416, 63417, 63418, 63419, 63420, 63421, 63422, 63423.
Micropteropus pusillus (Peters, 1868):
CAS: 24643, 24644, 24645, 24646.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 63436, 65743.
Miniopterus natalensis (A. Smith, 1833):
ROM: 65744, 65745, 65746, 65747, 65748, 65749, 65750, 65751, 65752, 65753, 65754, 65755, 65756, 65757, 65758.
Mops (Mops) condylurus (A. Smith, 1833):
CAS: 24559, 24560, 24561, 24562, 24563, 24564, 24565. - **ROM:** 60072, 60073, 60074, 60075, 60076, 60077, 60078, 60079, 60081, 60082, 60083, 60084, 60085, 60086, 60087, 60088, 60089, 60091, 60093, 60094, 60095, 60096, 60097, 60098, 60099, 60100, 60101, 60102, 60103, 60104, 60105, 60106, 60107, 60108, 60109, 60110, 60111, 60114, 60115.
Mops (Mops) demonstrator (Thomas, 1903):
ROM: 60080, 60090, 60092.
Neoromicia Roberts, 1926:
CAS: 24740, 24741.
Neoromicia nana (Peters, 1852):
CAS: 24622, 24628, 24629, 24630, 24631, 24632, 24633, 24634. - **ROM:** 63304, 63305, 63306, 63307, 63308, 63309.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
CAS: 24568, 24569, 24570, 24571. - **ROM:** 60055.
Nycticeinops schlieffenii (Peters, 1859):
CAS: 24742.
Pipistrellus Kaup, 1829:
CAS: 24638, 24639.
Scotophilus dinganii (A. Smith, 1833):
CAS: 24584, 24585, 24586, 24587, 24588, 24589, 24590, 24591, 24592.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 36379, 36380, 36381.
Taphozous E. Geoffroy St.-Hilaire, 1818:
CAS: 24612, 24613, 24614, 24615, 24616, 24617, 24618, 24619, 24620, 24621.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 60127, 60128, 60129, 60130, 63266, 63267, 63268, 63269, 63270, 63271, 63272, 63273, 63274, 63275, 63276, 63277, 63278, 63320, 63321, 63322, 63323, 63324, 63325, 63326, 63327, 63344, 63345, 63346, 63347, 63348, 63349, 63350, 63424, 63425, 63426

NE 00034Cc:

Epomophorus Bennett, 1836:
ZMA: MAM.13351, MAM.13353, MAM.13354, MAM.13356, MAM.13358, MAM.13363, MAM.13364, MAM.13366, MAM.13368.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1965.1058, 1965.3427, 1965.486. - **ZMA:** MAM.13352, MAM.13355, MAM.13357, MAM.13359, MAM.13360, MAM.13361, MAM.13362, MAM.13365, MAM.13367, MAM.13369.
Scotoecus hindei Thomas, 1901:
BMNH: 1965.3435.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
CAS: 24603, 24604, 24605, 24606, 24607, 24608, 24609, 24610, 24611. - **ZMA:** MAM.13014, MAM.13015, MAM.13016, MAM.13018

NE 00034Ab:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 178923, 178924, 178925

NE 00034Ad:

Nycteris hispida (Schreber, 1774):
BMNH: 1910.4.2.3

NE 00034Cb:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 59987, 59988, 59989, 59990, 59991, 59992, 59993, 59994, 59995, 59996, 59997, 59998, 59999.
Epomophorus wahlbergi (Sundevall, 1846):
CAS: 24663.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 63310, 63311, 63312, 63313, 63314, 63315, 63316, 63317, 63318, 63319, 63341, 63342, 63343.
Rhinolophus fumigatus Rüppell, 1842:
CAS: 24719, 24720, 24721, 24722, 24723

NE 00034Cd:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1965.1059, 1965.1060, 1965.1061.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 37016.
Miniopterus inflatus rufus Sanborn, 1936:
ROM: 37014, 37015, 37023, 37024.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 30779. - **ROM:** 37017, 37018, 37019, 37020, 37021, 37022.
Myonycteris angolensis (Bocage, 1898):
ROM: 36967, 36968, 36969, 36970, 36971, 36972, 36973, 36974, 36975, 36976, 36977, 36978, 36979, 36980, 36981, 36982, 36983, 36984, 36985, 36986, 36987, 36988, 36989, 36990, 36991, 36992.
Myotis tricolor (Temminck, 1832):
ROM: 37011, 37013.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.154, 1964.155, 1964.156.
Rhinolophus Lacépède, 1799:
KU: 163945.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 30774, 30775, 30776. - **AMS:** M.29668. - **ROM:** 37257

NE 00034Ba:

Epomophorus wahlbergi (Sundevall, 1846):
NRM: A58 0897.
Myotis bocagii (Peters, 1870):
RMCA: 8061, 8062.
Myotis bocagii bocagii (Peters, 1870):
USNM: 197954, 197955.
Neoromicia nana (Peters, 1852):
NRM: A612759, A612763, A612764, A612772, A612886, A622694, A622707, A622709, A622718, A622744, A622760, A622823, A622824, A642711. - **RMCA:** 8059, 8060. - **USNM:** 197945, 197946, 197947, 197948, 197949, 197950, 197951, 197952, 197953.
Nycteris arge Thomas, 1903:
BMNH: 1921.2.4.1, 1928.7.19.1. - **USNM:** 197956.
Nycteris macrotis Dobson, 1876:
BMNH: 1912.5.19.27, 1912.5.19.28, 1912.5.19.29, 1912.5.19.30, 1912.5.19.35.
Nycteris nana (K. Andersen, 1912):
BMNH: 1921.2.4.2, 1921.2.4.4, 1921.2.4.5. - **USNM:** 197957, 197958

NE 00034Da:

Epomophorus labiatus (Temminck, 1837):
FMNH: 152287, 152288. - **ROM:** 36228, 36229, 36230, 36231, 36232, 36233, 36234, 36235, 36236.
Micropteropus pusillus (Peters, 1868):
ROM: 36237, 36238, 36239, 36240, 36241

NE 00034Dc:

Epomophorus labiatus (Temminck, 1837):
ROM: 37245, 37246, 37247, 37249, 37250, 37251, 37252, 37253, 37255, 37256, 37258, 37259, 37260, 37261, 37262, 37263.
Epomophorus minor Dobson, 1880:
ROM: 37248, 37254.
Miniopterus inflatus rufus Sanborn, 1936:
ROM: 39025, 39028, 39029.
Miniopterus natalensis (A. Smith, 1833):
ROM: 39026, 39027, 39030.
Myonycteris angolensis (Bocage, 1898):
ROM: 50859, 50860, 50861, 50862, 56281, 56282, 56283, 56284, 56285.
Myotis tricolor (Temminck, 1832):
FMNH: 67929.
Rhinolophus clivosus Cretzschmar, 1828:
SMF: 38521, 39427, 39431.

Rhinolophus eloquens K. Andersen, 1905:
ROM: 39021, 39022, 39023, 39024.
Rhinolophus lobatus Peters, 1852:
ROM: 39031, 39032, 39033, 39034, 39035, 39036, 39037, 39038, 39039.
Rhinolophus simulator K. Andersen, 1904:
FMNH: 67903, 67904, 67905, 67906, 67907, 67908, 67909, 67910, 67911, 67912, 67913, 67914

NE 00034Bb:

Epomophorus labiatus (Temminck, 1837):
MCZ: 32939.
Epomophorus wahlbergi (Sundevall, 1846):
CM: 102090, 97839.
Hipposideros beatus (K. Andersen, 1906):
MMU: PWW2924.
Hipposideros caffer (Sundevall, 1846):
ROM: 45935, 45936, 45937, 45938, 77882, 77883, 77884, 83925.
Hipposideros ruber (Noack, 1893):
FMNH: 152676, 152677, 152678. - **MMU:** PWW2938, PWW2940, PWW2942, PWW2943, PWW2944, PWW2945, PWW2946, PWW2947, PWW2948, PWW2949, PWW2964, PWW2965.
Hypsugo crassulus (Thomas, 1904):
CM: 98036.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 31133.
Miniopterus africanus Sanborn, 1936:
ROM: 76037.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 76038, 76039, 76040, 76041, 76042, 76043, 76044, 76045, 76046, 76047, 76048.
Miniopterus inflatus rufus Sanborn, 1936:
MMU: PWW2950, PWW2951, PWW2952, PWW2953, PWW2954, PWW2955, PWW2956, PWW2957, PWW2958, PWW2959, PWW2960, PWW2961, PWW2962, PWW2963, PWW2966, PWW2967, PWW2968, PWW2969, PWW2970, PWW2971, PWW2972, PWW2973, PWW2974, PWW2975, PWW2976, PWW2977, PWW2978, PWW2979, PWW2980.
Miniopterus natalensis (A. Smith, 1833):
MCZ: 59764.
Myonycteris angolensis (Bocage, 1898):
FMNH: 152399. - **MCZ:** 59761. - **MMU:** PWW2939, PWW2941. - **ROM:** 77947, 77948, 77949.
Myotis bocagii (Peters, 1870):
NMK: 1468, 1469, 1470, 1471, 1472.
Myotis bocagii bocagii (Peters, 1870):
MCZ: 60087.
Neoromicia nana (Peters, 1852):
CAS: 24635. - **CM:** 102221, 102222, 98030, 98031, 98032, 98033, 98034. - **MCZ:** 31137, 31138, 31139, 31140, 31141, 31142, 31143, 31144, 31145.
Nycteris hispida (Schreber, 1774):
MCZ: 31153, 31154, 31155, 31157.
Scotophilus dinganii (A. Smith, 1833):
MCZ: 60089, 60090.
Scotophilus livingstonii Brooks and Bickham, 2014:
CM: 98051, 98053

NE 00034Bd:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 59892.
CHIROPTERA Blumenbach, 1779:
ROM: 71438, 71439, 71440, 71441, 71442, 71443, 71444, 71445, 71446, 71447, 71448, 71449, 71450, 71451, 71452, 71453, 71454, 71455, 71456, 71457, 71458.
Doryrhina cyclops (Temminck, 1853):
ROM: 36321, 75626.
Epomophorus labiatus (Temminck, 1837):
MMU: PWW2932, PWW2934, PWW2936, PWW2937. - **ROM:** 38582, 38583, 38584, 38585, 38586, 38587, 38588, 38589, 38590, 38591, 38592, 38593, 38594, 38595, 38596, 38597, 65993, 65994, 65995, 65996, 65997, 66000, 66001.
Epomophorus wahlbergi (Sundevall, 1846):
CUMV: 19569, 19570, 19571. - **FMNH:** 152315, 152316, 152317. - **HZM:** 9.3080. - **LACM:** 19537, 42831. - **MMU:** PWW2933, PWW2935. - **ROM:** 50457, 50468, 50472, 50478, 50490, 50515, 50516, 50517, 50518, 50521, 50522, 50523, 50547, 65991, 65992, 65999, 77970, 81301. - **USNM:** 350807, 350808, 351203.
Glauconycteris argentata (Dobson, 1875):
FMNH: 152693, 152694. - **ROM:** 50456, 50463, 50470, 50480, 50501, 50502, 50503, 50504, 65961, 66027, 66028, 66029, 75536, 75543, 75546, 75547, 75557, 75558, 75559, 75561, 75565, 75566, 75569, 81302.
Glauconycteris beatrix Thomas, 1901:
ROM: 50462, 50505.
Glauconycteris humeralis J.A. Allen, 1917:
MMU: PWW2925. - **ROM:** 50506, 50519, 65962, 65963, 68425, 73151, 75525.
Glauconycteris variegata (Tomes, 1861):
AMNH: 238490. - **ROM:** 79815, 81306, 81307, 81308, 81309, 91237.

Hipposideros beatus (K. Andersen, 1906):
MMU: PWW2921, PWW2930.
Hipposideros caffer (Sundevall, 1846):
ROM: 38299, 50467, 50473, 50474, 50475, 50476, 50477, 50481, 50482, 50498, 77860, 77871, 77872, 77873, 77874, 77875, 77876, 77877.
Hipposideros ruber (Noack, 1893):
FMNH: 152666, 152667, 152668, 152669, 152670, 152671, 152672, 152673, 152674, 152675. - **ROM:** 73274. - **USNM:** 350948, 350949, 350950, 350951, 350952, 350953, 350954, 350955, 350956, 350957, 350958, 350959, 350960, 350961, 350964, 351226, 351227, 351228, 351229, 351230, 351231, 351232, 351233, 351234, 351235, 351236, 351237, 351238.
Hypsignathus monstrosus H. Allen, 1862:
NMK: 5911, 5931.
Hypsugo crassulus (Thomas, 1904):
FMNH: 152767. - **ROM:** 50527, 50528, 65975, 65988, 91220.
Micropteropus pusillus (Peters, 1868):
MMU: PWW2931.
Mimetillus moloneyi (Thomas, 1891):
AMNH: 238489. - **HZM:** 5.8497. - **ROM:** 81290, 91232.
Miniopterus Bonaparte, 1837:
WAM: M16509.
Miniopterus africanus Sanborn, 1936:
AMNH: 238491. - **TTU:** 8295. - **USNM:** 351030, 351031, 351032, 351033, 351034, 351035, 351036, 351037, 351038, 351039, 351040, 351041, 351042, 351043, 351044, 351046, 351047.
Miniopterus inflatus inflatus Thomas, 1903:
CUMV: 13660. - **ROM:** 45977, 45978, 50445, 50452, 50453, 50454, 50455, 50464, 50466, 50469, 50479, 76070, 76071, 81300, 91222. - **USNM:** 351247, 351248, 351249.
Miniopterus inflatus rufus Sanborn, 1936:
FMNH: 152869, 152870, 152871, 152872, 152873, 152874, 152875, 152876, 152877, 152878, 152879, 152880, 152881, 152882. - **MMU:** PWW2920, PWW2927. - **ROM:** 50465, 50483, 50484, 50485, 50486, 50487, 50491, 50492, 50493, 50494, 50495, 50496, 50497, 50499, 50539, 50540, 50541, 50542, 50544, 50545, 50546, 65965, 65967, 65968, 65969, 65971, 65972, 66002, 66003, 66004, 66005, 66006, 66007, 66008, 66009, 66010, 66011, 66012, 66013, 66014, 66015, 66016, 66017, 66018, 66019, 66020, 66021, 66022, 66023, 66024, 66025, 75526, 75527, 75528, 75529, 75531, 75532, 75533, 75537, 75539, 75542, 75544, 75545, 75548, 75549, 75553, 75560, 75562, 75563, 75564, 75570, 75571, 75572, 75573, 75575, 81289, 81303, 81323, 81324, 81328.
Mops (Xiphonycteris) thersites (Thomas, 1903):
ROM: 81291, 81295, 81305, 81320, 81321, 83940, 83941.
Myonycteris angolensis (Bocage, 1898):
ROM: 36216, 45915, 65998, 77937, 77938, 77939, 77940, 77941, 77942, 77943, 77944, 77945, 77946, 81310, 91149. - **USNM:** 350783, 350784, 350785, 350786, 350787, 350788. - **WAM:** M16564, M16569.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
HZM: 12.2707. - **LACM:** 19518, 19520, 19521, 19522, 19523, 19524, 19525, 19526, 51516.
Myotis bocagii (Peters, 1870):
ROM: 83948.
Myotis welwitschii (Gray, 1866):
NMW: (M wel). - **ROM:** 50533, 65964.
Neoromicia Roberts, 1926:
MMU: PWW2922, PWW2928, PWW2929.
Neoromicia nana (Peters, 1852):
CM: 10705. - **CUMV:** 13665, 13666. - **MCZ:** 59887. - **MMU:** PWW2926. - **ROM:** 50441, 50446, 50447, 50448, 50449, 50450, 50451, 50458, 50459, 50460, 50461, 50500, 50507, 50508, 50509, 50510, 50511, 50512, 50513, 50514, 50524, 50526, 50530, 50534, 65976, 65977, 65978, 65979, 65982, 65983, 65984, 65985, 65986, 65987, 65989, 75534, 75535, 75538, 75540, 75550, 75552, 75556, 75567, 75568, 78322, 81296, 81299, 81325, 81327. - **USNM:** 350975.
Neoromicia zuluensis (Roberts, 1924):
ROM: 50529, 65980, 65981.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 152517.
Nycteris hispida (Schreber, 1774):
ROM: 50443, 50444.
Nycteris nana (K. Andersen, 1912):
AMNH: 238488. - **SMF:** 43656, 57540, 57541, 57542.
Pipistrellus hesperidus (Temminck, 1840):
ROM: 81297, 81298, 81304, 81326.
Pipistrellus nanulus Thomas, 1904:
ROM: 50525, 50531, 50532, 50535, 65973, 65974. - **USNM:** 350976, 350977.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 50489, 77847.
Scotophilus Leach, 1821:
ROM: 78809, 78810.
Scotophilus dinganii (A. Smith, 1833):
ROM: 50471, 50488, 50536, 81293, 81294, 81311, 81312, 81313, 81314, 81315, 81316, 81317, 81318, 81319.
Scotophilus livingstonii Brooks and Bickham, 2014:
CM: 102250, 102251.
Scotophilus nux Thomas, 1904:
FMNH: 152839. - **MCZ:** 59891. - **ROM:** 65958, 65959, 65960, 65990, 66026, 75574, 79812, 81292, 81322, 81329, 91236. - **USNM:** 350995.
Stenonycteris lanosus (Thomas, 1906):
FMNH: 152410. - **ROM:** 50442, 50537, 50538, 50543. - **WNMU:** 1305.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MMU: PWW2923

NE 00034Dd:

Epomophorus labiatus (Temminck, 1837):
FMNH: 152271, 152272, 152273, 152274, 152275, 152276, 152277, 152278, 152279, 152280, 152281, 152282, 152283. - **ROM:** 77986, 91150. - **USNM:** 350810, 350811. - **WNMU:** 6180.
Epomophorus wahlbergi (Sundevall, 1846):
USNM: 351201, 351202.
Hipposideros caffer (Sundevall, 1846):
FMNH: 152621. - **USNM:** 350967.
Hipposideros ruber (Noack, 1893):
FMNH: 152641, 152642, 152643, 152644, 152645, 152646, 152647, 152648, 152649, 152650, 152651, 152652, 152653, 152654, 152655, 152656, 152657, 152658, 152659, 152660, 152661, 152662, 152663, 152664, 152665.
Micropteropus pusillus (Peters, 1868):
USNM: 350816.
Miniopterus africanus Sanborn, 1936:
USNM: 351056, 351058.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 35867, 35868, 35869, 35870, 35872, 35873, 35875, 35876, 35881, 35882, 35883, 35884, 35885, 35887, 35892, 76072, 76073. - **USNM:** 351254, 351255, 351256, 351259.
Miniopterus inflatus rufus Sanborn, 1936:
FMNH: 152852, 152853, 152854, 152855, 152856, 152857, 152858, 152859, 152860, 152861, 152862, 152863, 152864, 152865. - **MCZ:** 50282, 50283, 50284, 50285, 50286, 50287, 50288, 50289, 50290, 50291, 50292, 50293, 50294, 50295, 50296, 50297, 50298, 50299, 50300, 50301, 50302, 50303, 50304, 50305, 50306, 50307, 50308, 50309, 50310, 50311, 50312, 50313, 50314, 50315, 50316, 50317, 50318, 50319, 50320, 50321, 50322, 50323, 50324, 50325, 50326, 50327, 50328, 50329, 50330. - **ROM:** 35871, 35877, 35880, 35886, 35888, 35891.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 152894, 152895. - **MSB:** 19599. - **ROM:** 35865, 35874, 35878, 35879, 35889, 35890, 40291, 40292, 40293, 40294, 40295, 40296, 40297, 40298, 40299, 40300, 40301, 40302, 40303, 40304, 40305. - **USNM:** 351257, 351258, 436845, 436846, 436847, 436848, 436849, 436850, 436851, 436852, 436853, 436854, 436855, 436856, 436857, 436858, 436859, 436860, 436861, 436862, 436863, 436864, 436865, 436866, 436867, 436868, 436869, 436870, 436871, 436872, 436873. - **WNMU:** 6435.
Myonycteris angolensis (Bocage, 1898):
FMNH: 152390, 152391, 152392, 152393, 152394, 152395, 152396, 152397, 152398. - **ROM:** 45914. - **USNM:** 350790, 350791, 350792, 350793, 350794, 436379, 436380, 436381, 436382.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
LACM: 19516. - **USNM:** 35070, 35094.
Myotis tricolor (Temminck, 1832):
ROM: 40270. - **USNM:** 351060, 351243.
Neoromicia nana (Peters, 1852):
ROM: 78323.
Neoromicia zuluensis (Roberts, 1924):
ROM: 91226.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 152490. - **ROM:** 65821, 65822, 65823, 65824, 65825, 65826, 65827, 65828.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 152761, 152762, 152763, 152764. - **USNM:** 350982.
Rhinolophus Lacépède, 1799:
USNM: 350895.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 152539, 152540, 152541, 152542, 152543, 152544, 152545, 152546, 152550. - **ROM:** 40312, 40313, 40314, 40315, 40316, 40317, 40318, 40319, 40320, 40321, 40322, 40323, 40324, 77398, 77399, 77838, 77839, 83930, 91165. - **USNM:** 350894, 350896, 350897, 351220, 436519, 436520, 436521, 436522, 436523, 436524, 436525, 436526, 436527, 436528, 436530. - **WAM:** M23799, M23800.
Rhinolophus eloquens K. Andersen, 1905:
FMNH: 152569, 152570, 152571, 152572, 152573. - **MCZ:** 50334. - **ROM:** 35863, 40306, 40307, 40308, 40309, 48722, 48723, 77859. - **USNM:** 350887, 351219.
Rhinolophus fumigatus Rüppell, 1842:
WAM: M23802.
Rhinolophus hildebrandtii Peters, 1878:
USNM: 436565, 436566, 436567, 436568, 436569, 436570, 436571, 436572.
Rhinolophus lobatus Peters, 1852:
FMNH: 152591, 152592, 152595, 152596, 152597. - **ROM:** 40290, 77808. - **USNM:** 350920, 350921, 350922, 350923.
Rhinolophus simulator K. Andersen, 1904:
MCZ: 50331. - **USNM:** 351221.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 35853, 35866, 35903, 35904, 35905.
Scotoecus albigula Thomas, 1909:
FMNH: 152781, 152782, 152783, 152784.
Scotoecus hindei Thomas, 1901:
ROM: 91233.

Scotoecus hirundo (de Winton, 1899):
FMNH: 152792, 152793, 152794, 152795, 152796, 152797, 152798, 152799. - **ROM:** 78266, 78267, 78268, 78269, 78270, 78271, 78272, 78273. - **USNM:** 350998, 350999, 351000, 351001.
Scotophilus viridis (Peters, 1852):
USNM: 351260

NE 00035Aa:

Epomophorus wahlbergi (Sundevall, 1846):
WAM: M21218

NE 00035Cc:

Eidolon helvum (Kerr, 1792):
FMNH: 152193.
Epomophorus labiatus (Temminck, 1837):
FMNH: 152286. - **USNM:** 436420, 436421, 436422, 436423, 436424, 436426, 436427, 436433, 436434.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 152313. - **USNM:** 436405, 436406, 436410, 436411, 436412, 436413, 436414, 436415, 436416.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
WAM: M16544.
Myonycteris angolensis (Bocage, 1898):
FMNH: 152388.
Myotis welwitschii (Gray, 1866):
NMK: (M wel). - **ROM:** 36337.
Neoromicia nana (Peters, 1852):
HZM: 6.2014.
Neoromicia zuluensis (Roberts, 1924):
ROM: 40246.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1926.5.12.19, 1975.2438. - **FMNH:** 152487, 152488, 152489. - **TTU:** 8300. - **USNM:** 350860, 350861, 436507, 436508.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 152755, 152756, 152757, 152758, 152759, 152760.
Scotoecus albigula Thomas, 1909:
BMNH: 1975.2592, 1975.2592_1, 1975.2592_2, 1975.2592_3, 1975.2593, 1975.2594.
Scotoecus hirundo (de Winton, 1899):
FMNH: 152790, 152791

NE 00035Ad:

Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 152548, 152549. - **ROM:** 36317

NE 00035Cb:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 34796, 34797

NE 00035Cd:

Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ROM: 65847.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1926.5.12.18.
Scotophilus dinganii (A. Smith, 1833):
ROM: 65855

NE 00035Bc:

Chaerephon bivittatus (Heuglin, 1861):
ROM: 75416, 75417.
Coleura afra (Peters, 1852):
ROM: 75424.
Epomophorus minor Dobson, 1880:
ROM: 75418, 75419, 75423, 75431, 75432, 75433, 75434, 75435.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ROM: 75425, 75426, 75427, 75428.
Nycteris hispida (Schreber, 1774):
WAM: M16547.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 152766.
Scotoecus hirundo (de Winton, 1899):
ROM: 75422, 75429, 75430.
Scotophilus dinganii (A. Smith, 1833):

ROM: 75420

NE 00035Dc:

Epomophorus minor Dobson, 1880:
LACM: 31752, 31754.
Pipistrellus hesperidus (Temminck, 1840):
HZM: 227.9110

NE 00035Bb:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 437137, 437138, 437139, 437140.
Coleura afra (Peters, 1852):
ROM: 64122, 71004, 71005, 71006, 71008, 71009, 71010, 71011, 71012, 71013, 71014, 71015, 71016.
Epomophorus labiatus (Temminck, 1837):
ROM: 63884, 63885, 63886, 63887, 63888, 63889.
Glauconycteris argentata (Dobson, 1875):
ROM: 71033, 71061, 71062, 71063.
Glauconycteris humeralis J.A. Allen, 1917:
ROM: 71060.
Hipposideros caffer (Sundevall, 1846):
ROM: 63901.
Hypsugo crassulus (Thomas, 1904):
ROM: 75530, 75541.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 63890.
Miniopterus natalensis (A. Smith, 1833):
ROM: 63907.
Myotis bocagii (Peters, 1870):
ROM: 63899, 63900.
Neoromicia nana (Peters, 1852):
ROM: 63902, 63903, 63904.
Neoromicia zuluensis (Roberts, 1924):
ROM: 75551.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 71029, 71030, 71031.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 63894, 63895, 63896, 63897, 63898, 71032, 71051, 71052, 71053, 71054, 71055.
Scotoecus hindei Thomas, 1901:
ROM: 71034, 71035, 71036, 71037, 71038, 71039, 71040, 71041, 71064, 71065, 71067, 71068, 71069, 71070, 71071, 71072, 71433.
Scotoecus hirundo (de Winton, 1899):
ROM: 63905, 63906, 63908, 63909, 63910, 63911.
Scotophilus dinganii (A. Smith, 1833):
ROM: 63891, 63892, 63893, 71059.
Scotophilus nux Thomas, 1904:
ROM: 71056, 71057, 71058.
Triaenops afer Peters, 1877:
ROM: 71007

NE 00035Bd:

Chaerephon ansorgei (Thomas, 1913):
ROM: 68111, 68559, 68560, 75436, 75437, 75438, 75439, 75440, 75441, 75442, 75443.
Chaerephon bivittatus (Heuglin, 1861):
ROM: 68110, 68561. - **USNM:** 437309.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 68113, 75449, 75450, 75451, 75452, 75456.
Coleura afra (Peters, 1852):
ROM: 75457.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 75458.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 68563, 75447, 75455.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 68558, 75446. - **USNM:** 436745.
Platymops setiger macmillani Thomas, 1906:
ROM: 68554, 68555, 68556, 68557, 75445.
Platymops setiger setiger (Peters, 1878):
ROM: 75444.
Rhinopoma macinnesi Hayman, 1937:
USNM: 436497.
Scotoecus hindei Thomas, 1901:
ROM: 68579.

Triaenops afer Peters, 1877:
USNM: 436697

NE 00035Db:

Scotoecus hindei Thomas, 1901:
BMNH: 1914.7.31.13.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1913.10.18.14

NE 00035Dd:

Epomophorus minor Dobson, 1880:
USNM: 548507, 548528, 548529, 548530.
Neoromicia capensis (A. Smith, 1829):
USNM: 548531, 548532, 548533, 548534.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 548509, 548535.
Scotoecus hirundo (de Winton, 1899):
USNM: 548510, 548511, 548512, 548513, 548514, 548515, 548516, 548517, 548518, 548536, 548537, 548538, 548539, 548540, 548541.
Scotophilus dinganii (A. Smith, 1833):
USNM: 548519, 548520, 548521, 548542, 548543, 548544, 548545

NE 00036Aa:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 66286, 66287, 66288, 66289, 66290, 66291, 66292, 66293, 66294, 66295, 66296, 66297, 66298, 66299, 66300, 66301, 66302, 66303, 66304, 66305, 66306, 66307, 66308, 66309, 66310, 66311, 66312, 66313, 66314, 66315, 66320, 66321, 66322, 66323, 66324, 66325, 66326, 66327, 66328, 66329, 66330, 66331, 66332, 66333, 66334, 66335, 66336, 66337.
Epomophorus minor Dobson, 1880:
ROM: 66316, 66317, 66318, 66341, 66343.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 66319, 66342.
Neoromicia capensis (A. Smith, 1829):
USNM: 436735.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 436741, 436742.
Scotophilus dinganii (A. Smith, 1833):
ROM: 66338, 66339, 66340

NE 00036Ac:

Cardioderma cor (Peters, 1872):
USNM: 436511, 436512, 436513, 436514, 436515. - **WAM:** M16501.
Chaerephon ansorgei (Thomas, 1913):
ROM: 48497.
Chaerephon bivittatus (Heuglin, 1861):
ROM: 48496. - **USNM:** 437253, 437254, 437256, 437257, 437259, 437260, 437261, 437262, 437263, 437264, 437265, 437266, 437267, 437268, 437269, 437270, 437271, 437272, 437273, 437274, 437276, 437277, 437278, 437279, 437280, 437281, 437282, 437283, 437284, 437285, 437286, 437287, 437288, 437289, 437290, 437291, 437292, 437293, 437294, 437295, 437296, 437297, 437298, 437299. - **WAM:** M21239, M21240.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 85238, 85239, 85462, 85463, 85464, 85465, 85466. - **ROM:** 73132, 73133, 73134, 78431. - **USNM:** 317947, 317948, 317953, 317954, 317955, 317956, 317957, 437141.
Eptesicus hottentotus (A. Smith, 1833):
ROM: 48591.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MMU: PWW2717, PWW2719, PWW2720. - **USNM:** 436517.
Miniopterus natalensis (A. Smith, 1833):
ROM: 68528, 68529, 68530, 68531, 68532. - **USNM:** 436912.
Neoromicia capensis (A. Smith, 1829):
MMU: PWW2721, PWW2722, PWW2723, PWW2724.
Neoromicia somalica (Thomas, 1901):
USNM: 436733, 436734.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 436740, 436743, 436744.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMU: PWW2716.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 436770, 436771, 436772, 436773, 436774, 436775. - **WAM:** M16528.
Scotophilus dinganii (A. Smith, 1833):
USNM: 436815.
Tadarida lobata (Thomas, 1891):
MMU: PWW2718.

Triaenops afer Peters, 1877:
USNM: 436696

NE 00036Ca:

Chaerephon ansorgei (Thomas, 1913):
ROM: 68374, 68375, 68484, 68485, 68486.
Chaerephon bivittatus (Heuglin, 1861):
ROM: 68552, 68553, 75466, 75507. - **USNM:** 437300, 437301, 437302, 437303, 437304, 437305, 437306, 437307, 437308.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 36493, 36494, 36495, 36496, 36497, 36498, 36499, 68566, 68567, 75461, 75475, 75485, 75486, 75487, 75488, 75489, 75490, 75497, 75498, 75499, 75500, 75501, 75502, 75503.
Coleura afra (Peters, 1852):
FMNH: 152445, 152446. - **ROM:** 36253, 36254, 36255, 36256, 36257, 36258, 36259, 40206, 68548, 68549, 68550, 68551, 68671, 68672, 68673, 68674, 75476, 75491. - **USNM:** 436499.
Epomophorus minor Dobson, 1880:
RMCA: 5126, 5127.
Hipposideros caffer (Sundevall, 1846):
AMNH: 219736, 219737. - **ROM:** 65905, 65906, 65907, 65908, 65909, 65910, 65911, 65912, 65913, 65914, 68584, 68585, 68586, 68587, 68588, 68589. - **USNM:** 436659, 436660, 436661, 436662, 436663, 436664, 436665, 436666, 436667, 436668, 436669, 436670, 436671, 436672, 436673, 436674, 436675, 436676, 436677, 436678, 436679, 436680, 436681, 436682, 436683, 436684, 436685, 436686, 436687, 436688, 436689, 436690, 436691, 436692. - **WAM:** M21212.
Hipposideros megalotis (Heuglin, 1861):
ROM: 68112.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 68663, 68664, 75505, 75506. - **USNM:** 436518.
Miniopterus natalensis (A. Smith, 1833):
USNM: 436913, 436914, 436915, 436916, 436917, 436918, 436919, 436920, 436921, 436922, 436923, 436924, 436925.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 68545, 68546, 68547, 68600, 75467, 75468, 75469, 75470, 75471, 75472, 75473, 75474. - **USNM:** 437240.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
ROM: 36492, 75462, 75478, 75484, 75492, 75493.
Neoromicia tenuipinnis (Peters, 1872):
NMK: 7745. - **ROM:** 68534, 75463, 75464, 75477, 75481, 75483.
Nycteris hispida (Schreber, 1774):
ROM: 75465.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 65890.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 68575, 68576, 68577, 68578, 75459.
Platymops setiger (Peters, 1878):
AMNH: 219867.
Platymops setiger macmillani Thomas, 1906:
MCZ: 51720. - **ROM:** 36511, 36512, 36513, 36514, 36515.
Platymops setiger setiger (Peters, 1878):
ROM: 75479.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 68591.
Rhinolophus lobatus Peters, 1852:
AMNH: 219733, 219734. - **ROM:** 65931, 68525, 68526. - **USNM:** 436609, 436610, 436611.
Rhinopoma cystops Thomas, 1903:
ROM: 91155. - **WAM:** M21207, M21220.
Rhinopoma macinnesi Hayman, 1937:
AMNH: 219718, 219719, 219720, 219721, 219722. - **FMNH:** 152416, 152417, 152418, 152419, 152420, 152421. - **HZM:** 22.4347, 23.4354. - **ROM:** 36242, 36243, 36244, 36245, 36246, 36247, 36248, 40184, 40185, 40186, 40187, 85761. - **SMF:** 46554, 46555. - **USNM:** 436493, 436494, 436495, 436496, 436498.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 38272, 65866, 68472, 68477, 68478, 68479, 68480, 68481, 68621, 68622, 68623, 68624, 68625, 68626, 68627, 68628, 68667, 68668, 68669, 68670. - **USNM:** 436377, 436378.
Scotoecus hindei Thomas, 1901:
ROM: 36374, 36375, 65930.
Scotoecus hirundo (de Winton, 1899):
ROM: 75460, 75480, 75482, 75494, 75495, 75496.
Scotophilus dinganii (A. Smith, 1833):
ROM: 75504.
Taphozous nudiventris Cretzschmar, 1830:
ROM: 68105, 68106.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 36278, 36279, 36280, 36281.
Triaenops afer Peters, 1877:
ROM: 36328, 36329, 36330, 36331, 36336, 48699

NE 00036Cb:

CHIROPTERA Blumenbach, 1779:
YPM: MAM 003110.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 5121.
Miniopterus Bonaparte, 1837:
YPM: MAM 003445.
Neoromicia tenuipinnis (Peters, 1872):
ROM: 36355, 68533, 68535, 68536, 68537, 68538, 68539, 68540, 68541.
Neoromicia zuluensis (Roberts, 1924):
ROM: 36365, 68568, 68569, 68570, 68571, 68572, 68574, 68604, 68605, 68606, 68607, 68608, 68675.
Nycteris aurita (K. Andersen, 1912):
ROM: 68582, 68583.
Platymops setiger (Peters, 1878):
WAM: M16520.
Rhinopoma cystops Thomas, 1903:
BMNH: 1975.2762_1, 1975.2762_2, 1975.2762_3, 1975.2762_4, 1975.2762_5, 1975.2762_6. - **WAM:** M16536.
Rhinopoma macinnesi Hayman, 1937:
BMNH: 1975.2762, 1975.2763, 1975.2764, 1975.2765, 1975.2766, 1975.2767. - **ROM:** 48710, 48711, 48712, 65900, 65901, 65902, 65903, 65904, 68580, 68581.
Scotophilus dinganii (A. Smith, 1833):
ROM: 68592, 68601, 68602, 68603

NE 00036Ba:

Rhinolophus eloquens K. Andersen, 1905:
ROM: 68117

NE 00036Bc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 28160, 28161.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1975.2439.
Rhinolophus deckenii Peters, 1868:
CAS: 12550.
Rhinolophus eloquens K. Andersen, 1905:
FMNH: 152552. - **ROM:** 77502.
Scotophilus dinganii (A. Smith, 1833):
ROM: 77495, 78807.
Triaenops afer Peters, 1877:
ROM: 77517

NE 00036Bd:

Cardioderma cor (Peters, 1872):
MMU: PWW2690, PWW2698.
Chaerephon pumilus (Cretzschmar, 1826):
MMU: PWW2687, PWW2715.
Epomophorus wahlbergi (Sundevall, 1846):
MMU: PWW2701, PWW2705, PWW2711, PWW2713.
Laephotis wintoni Thomas, 1901:
MMU: PWW2685.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MMU: PWW2688, PWW2689, PWW2691, PWW2692, PWW2693, PWW2699, PWW2700, PWW2702. - **MVZ:** 186195.
Myotis tricolor (Temminck, 1832):
MMU: PWW2686, PWW2714.
Neoromicia capensis (A. Smith, 1829):
MMU: PWW2695, PWW2696, PWW2697, PWW2703, PWW2704, PWW2706, PWW2708, PWW2709, PWW2710, PWW2712.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMU: PWW2694.
Scotophilus dinganii (A. Smith, 1833):
MMU: PWW2707

NE 00037Aa:

Laephotis wintoni Thomas, 1901:
ROM: 66245.
Miniopterus natalensis (A. Smith, 1833):
ROM: 66239, 66240, 66241, 66242, 66243.
Pipistrellus aero Heller, 1912:
USNM: 375918.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 152547.

Rhinolophus eloquens K. Andersen, 1905:
FMNH: 67915, 67916, 67917. - **KU:** 41117.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 66244.
Scotophilus andrewreborii Brooks and Bickham, 2014:
CM: 61501

NE 00037Ac:

Neoromicia zuluensis (Roberts, 1924):
ROM: 73333.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 73336, 73337.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 73334, 73335

NE 00037Ca:

Miniopterus natalensis (A. Smith, 1833):
USNM: 182697

NE 00037Cd:

Pipistrellus aero Heller, 1912:
USNM: 181812, 182674, 182675, 184347, 184348

NE 00037Ba:

Epomophorus labiatus (Temminck, 1837):
MCZ: 8260, 8261, 8262, 8263, 8264, 8265.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 8876.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 48509.
Neoromicia helios (Heller, 1912):
MCZ: 8273.
Neoromicia rendalli (Thomas, 1889):
AMNH: 54418. - **MCZ:** 8278, 8280, 8873, 8874, 8875

NE 00037Bc:

Cardioderma cor (Peters, 1872):
ROM: 45927, 45928, 45929, 45930.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 152933, 152934, 152935, 152937. - **ROM:** 36503, 36504, 36505, 36506, 36507, 45968, 45969, 45970, 45971, 45972, 45973, 45974, 76129, 76149, 76172, 76213, 76214. - **USNM:** 351122, 351123, 351124, 351125, 351151, 351152, 351153, 351154, 351155, 351156, 351157, 351158, 351159, 351160, 351161, 351162, 351163, 351262, 351263, 351264, 351265, 351266, 351267, 351268, 351269.
Epomophorus Bennett, 1836:
YPM: MAM 003419, MAM 011081.
Epomophorus minor Dobson, 1880:
LACM: 31769.
Epomophorus wahlbergi (Sundevall, 1846):
NRM: A58 0834.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 351215. - **YPM:** MAM 003082.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 75985, 76001, 76002, 76003.
Scotoecus hindei Thomas, 1901:
ROM: 68432.
Scotoecus hirundo (de Winton, 1899):
USNM: 351003.
Scotophilus dinganii (A. Smith, 1833):
USNM: 350993, 350994.
Tadarida ventralis (Heuglin, 1861):
LACM: 32001. - **ROM:** 83939

NE 00037Da:

Cardioderma cor (Peters, 1872):
AMNH: 219723. - **FMNH:** 152527, 152528, 152529, 152530. - **ROM:** 68468, 68469, 73260, 73261. - **USNM:** 182663, 182664, 184817, 184820.
Epomophorus minimus Claessen & De Vree, 1991:
BMNH: 1913.10.18.10.

Hipposideros caffer (Sundevall, 1846):
FMNH: 152613, 152614. - **ROM:** 68451, 68452, 68453, 68454. - **USNM:** 166488, 166489, 166490, 166491, 166492, 166493, 166494, 166495, 166496, 166497, 166498, 166499, 166500, 166501, 166502, 166503, 166504, 166505, 166506, 166507, 166508, 182669.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 16090, 8266, 8267, 8268, 8269, 8270, 8877, 8878. - **USNM:** 162088. - **YPM:** MAM 003083, MAM 003084, MAM 003085.
Neoromicia helios (Heller, 1912):
CM: 102207, 102208, 102209, 102210, 102211, 102212, 102220, 114453, 114454. - **HZM:** 1.4085, 2.4086, 3.4087, 4.4088. - **ROM:** 36338, 36339, 36340, 36341, 38345, 48598, 48704, 68435, 68436, 68437, 68438, 68439, 68440, 68441, 68442, 68443, 68444, 68445, 78321.
Neoromicia nana (Peters, 1852):
USNM: 182670, 184338, 184339, 184340.
Neoromicia rendalli (Thomas, 1889):
CM: 102185. - **USNM:** 182683.
Neoromicia somalica (Thomas, 1901):
MCZ: 8271, 8872. - **USNM:** 182677, 182678.
Neoromicia zuluensis (Roberts, 1924):
SMF: 48678.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 152492, 152493. - **MCZ:** 8274, 8275, 8276, 8871. - **ROM:** 68418, 68419, 68420, 78037.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 182685, 184361, 184362.
Scotoecus hindei Thomas, 1901:
MCZ: 8870. - **ROM:** 48599, 48600. - **USNM:** 182690, 182691, 182692.
Scotoecus hirundo (de Winton, 1899):
SMF: 48671. - **USNM:** 184360.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1912.7.1.12, 1912.7.1.13, 1912.7.1.14. - **USNM:** 182696

NE 00037Dc:

Hypsugo ariel (Thomas, 1904):
FMNH: 152745, 152746.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 152533.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 152494.
Nycticeinops schlieffenii (Peters, 1859):
FMNH: 152743, 152744. - **USNM:** 182687, 182688, 184334.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 152575.
Scotoecus hirundo (de Winton, 1899):
WNMU: 385.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
WNMU: 575

NE 00037Bd:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 48432, 48433, 48434, 48435, 48436, 48437, 48438, 48439, 48440, 48441, 48442, 48443, 48444, 48445, 48446, 48447, 48448, 48449, 48450, 48451, 48452, 48453, 48454, 48455, 48456, 48457, 48458, 48459, 48460, 48461, 48462, 48463, 48464, 48465, 48466, 48467, 48468, 48469, 48470, 48471, 48472, 48473, 48474, 48475, 48476, 48477, 48478, 48479, 48480, 48481, 48482, 48483, 48484, 48485, 48486, 48487.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 48488, 48489, 48490, 48491, 48492, 48493.
Scotoecus hindei Thomas, 1901:
ROM: 77497, 77499, 77500, 77510, 77511

NE 00038Aa:

Nycteris hispida (Schreber, 1774):
SMF: 38572

NE 00038Ac:

Epomophorus minor Dobson, 1880:
LACM: 45640, 45641, 45642, 45643, 45644. - **ROM:** 71078, 71079, 71080, 71081, 71082, 71083, 71084, 71085, 71090, 71091.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
CAS: 11928.
Neoromicia helios (Heller, 1912):
ROM: 71086, 71087, 71088, 71089

NE 00038Cc:

Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
BMNH: 1912.7.1.46

NE 00038Da:

Neoromicia helios (Heller, 1912):
ROM: 71092, 71093, 71094, 71095, 71096.
Nycteris hispida (Schreber, 1774):
ROM: 71098

NE 00042Ac:

Nycteris hispida (Schreber, 1774):
MZUF: 5904, 5906

NE 00042Ba:

Neoromicia helios (Heller, 1912):
CM: 85341, 85370, 85371, 85372, 85373, 86021.
Neoromicia rendalli (Thomas, 1889):
CM: 85312, 85313, 85314, 85315, 85316, 85317, 85318.
Neoromicia somalica (Thomas, 1901):
CM: 85339, 85340.
Scotophilus dinganii (A. Smith, 1833):
BRTC: 41942

NE 00042Bc:

Tadarida Rafinesque, 1814:
CAS: 21246

NE 00042Bb:

Epomophorus wahlbergi (Sundevall, 1846):
CM: 85165, 85166, 85167, 85810, 85816, 85818, 85820, 85821, 85823, 85825, 85834, 85835, 85836, 85837, 85839, 85840, 85851, 85856

NE 00042Bd:

Cardioderma cor (Peters, 1872):
USNM: 543377.
Epomophorus wahlbergi (Sundevall, 1846):
MZUF: 2055

NE 00037Aa:

Epomophorus labiatus (Temminck, 1837):
MCZ: 16081.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 16088.
Neoromicia rendalli (Thomas, 1889):
USNM: 21007

SE 00008Da:

Eidolon helvum (Kerr, 1792):
ZMB: 4951.
Epomophorus wahlbergi (Sundevall, 1846):
USNM: 220872, 220873, 220874, 220875, 220876, 220877, 220878, 220879, 220880, 220881, 220882, 220883, 220884, 220885, 220886, 220887, 220888, 220889, 220890, 220891, 220892, 220918, 220919, 220920, 220921, 220922, 220923, 220924, 220925, 220926, 220927, 220928, 220929, 220930, 220931, 220932, 220933, 220934, 220935, 220936, 220937, 220938, 220939, 220940, 220941, 220942, 220943, 220944, 220945, 220946, 220947, 220948, 220949, 220950, 220951, 220952, 220953, 220954, 220955, 220956, 220957, 220958, 220959, 220960, 220961, 220962, 220963, 220964, 220965, 220966, 220967, 220968, 220969, 220970, 220971, 220972, 220973, 220974, 220975, 220976, 220977, 220978, 220979, 220980, 220981, 220982, 220983, 220984, 220985, 220986, 220987

SE 00008Db:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 73813, 73814, 73815, 73816, 73817.
Megaloglossus woermanni Pagenstecher, 1885:
FMNH: 73818.

Neoromicia tenuipinnis (Peters, 1872):
FMNH: 73834

SE 00009Cc:

Doryrhina cyclops (Temminck, 1853):
MNHN: ZM-MO-1985-1430.
Miniopterus inflatus Thomas, 1903:
MNHN: ZM-MO-1985-1541, ZM-MO-1985-1542, ZM-MO-1985-1543, ZM-MO-1985-1544, ZM-MO-1985-1545, ZM-MO-1985-1546, ZM-MO-1985-1547, ZM-MO-1985-1548, ZM-MO-1985-1549, ZM-MO-1985-1550.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-1576.
Nycteris G. Cuvier and E. Geoffroy, 1795:
ZMA: MAM.19323.
Nycteris intermedia Aellen, 1959:
MHNG: 1326.024.
Nycteris nana (K. Andersen, 1912):
ZMA: MAM.19324.
Rhinolophus landeri Martin, 1838:
MNHN: ZM-MO-1985-1521. - **ZMA:** MAM.19666, MAM.19667

SE 01009Ab:

Pipistrellus nanulus Thomas, 1904:
MNHN: ZM-MO-1911-798

SE 00009Dd:

Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1911-797.
Pipistrellus nanulus Thomas, 1904:
MNHN: ZM-MO-1911-798 (2), ZM-MO-1911-798/1

SE 00010Ca:

Eidolon helvum (Kerr, 1792):
BMNH: 1908.6.14.5.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1896-3435.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1896-2438, ZM-MO-1896-2439. - **ZMB:** 4978.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 33538, 33539.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1896-2437.
Rhinolophus landeri Martin, 1838:
MNHN: ZM-MO-1896-2436

SE 00010Ad:

Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1876-2042

SE 00011Bb:

Doryrhina cyclops (Temminck, 1853):
MNHN: ZM-MO-1947-219, ZM-MO-1947-220.
Epomophorus gambianus (Ogilby, 1835):
MNHN: ZM-MO-1950-877 A.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1947-210.
Hypsignathus monstrosus H. Allen, 1862:
MNHN: ZM-MO-1876-2040.
Micropteropus pusillus (Peters, 1868):
BMNH: 1958.310, 1958.311.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 88.028-M-0001.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1878-106, ZM-MO-1878-107.
Nycteris grandis Peters, 1865:
MNHN: ZM-MO-1962-2635

SE 00012Cc:

Neoromicia tenuipinnis (Peters, 1872):
MHNG: 1711.029.
Rhinolophus silvestris Aellen, 1959:
MHNG: 965.040

SE 00012Dc:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1984-1218, ZM-MO-1984-1219, ZM-MO-1984-1220.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1947-216

SE 01013Aa:

Epomops franqueti (Tomes, 1860):
AMNH: 37233.
Hipposideros ruber (Noack, 1893):
AMNH: 37234.
Nycteris hispida (Schreber, 1774):
ZMH: 5.
Pipistrellus nanulus Thomas, 1904:
AMNH: 37235

SE 00014Dd:

Eidolon helvum helvum (Kerr, 1792):
AMNH: 120258

SE 00015Bd:

Neoromicia nana (Peters, 1852):
HZM: 310.20467, 312.20469, 313.20470

SE 00017Ca:

Neoromicia nana (Peters, 1852):
ZMB: 41678

SE 00017Db:

Eidolon helvum (Kerr, 1792):
USNM: A49408.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 61684

SE 00018Aa:

Eidolon helvum (Kerr, 1792):
RMCA: 21773, 6512.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 6529

SE 00018Cc:

Doryrhina cyclops (Temminck, 1853):
MCZ: 48219, 48220, 48221, 48222, 48223, 48224.
Eidolon helvum (Kerr, 1792):
MCZ: 48181, 48182. - **RMCA:** 6414b, 6511.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 180894, 180895, 180896.
Hypsignathus monstrosus H. Allen, 1862:
AMNH: 185262, 185263, 185264. - **RMCA:** 7784.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 6548.
Neoromicia nana (Peters, 1852):
RMCA: 6612, 6613, 6614, 6615, 6616, 6617, 6618, 6619, 6620a, 6621, 6622, 6623, 6624, 6625.
Neoromicia tenuipinnis (Peters, 1872):
MHNG: 985.067

SE 00018Ba:

Eidolon helvum (Kerr, 1792):
RMCA: 20394, 20395, 20396.
Epomops franqueti (Tomes, 1860):
RMCA: 20219, 20220, 20221, 20393.
Glauconycteris argentata (Dobson, 1875):
RMCA: 21412, 21413, 21414, 21415, 22135.
Glauconycteris poensis (Gray, 1842):
RMCA: 21684.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 20397.
Hypsugo crassulus (Thomas, 1904):
RMCA: 21669.
Hypsugo musciculus (Thomas, 1913):
RMCA: 22049.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 22031.
Myotis bocagii (Peters, 1870):
RMCA: 21411, 22037, 22041, 22044, 22136, 22137, 22138, 22139, 22140.
Neoromicia nana (Peters, 1852):
RMCA: 21397, 21398, 21399, 21400, 21401, 21402, 21403, 21404, 21405, 21406, 21407, 21408, 21671, 22039, 22042, 22043, 22045, 22046, 22047, 22048, 22154, 22155, 22156, 22157, 22158, 22159, 22160, 22161, 22162, 22163, 22164, 22165, 22166, 22167, 22168, 22169, 22170, 22171, 22172, 22173, 22174, 22175, 22176, 22177, 22178, 22179, 22180, 22319, 22320, 22321, 23248, 23249, 23250, 23251, 23252, 23253, 23254, 23255, 23256, 23257, 23258, 23259, 23260, 23261, 23262, 23263, 23264, 23265, 23266, 23267, 23268, 23269.
Nycteris arge Thomas, 1903:
RMCA: 20546, 21409, 21410, 23243, 23244.
Nycteris grandis Peters, 1865:
RMCA: 20679.
Nycteris hispida (Schreber, 1774):
RMCA: 22134, 23245.
Pipistrellus Kaup, 1829:
RMCA: 21672.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 21396, 21682, 23246, 23247

SE 00019Ac:

Casinycteris argynnis Thomas, 1910:
RMCA: 85.030-M-0001.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 85.030-M-0002.
Glauconycteris variegata (Tomes, 1861):
RMCA: 85.052-M-0003.
Neoromicia nana (Peters, 1852):
RMCA: 16278, 16443, 85.021-M-0004, 85.021-M-0005, 85.021-M-0006, 85.021-M-0007, 85.021-M-0008, 85.021-M-0009, 85.021-M-0010, 85.021-M-0011, 85.021-M-0012, 85.052-M-0004, 90.007-M-0001.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 85.021-M-0001, 85.021-M-0002, 85.021-M-0003.
Nycteris grandis Peters, 1865:
RMCA: 85.052-M-0001.
Nycteris hispida (Schreber, 1774):
RMCA: 85.052-M-0002

SE 00019Db:

Chaerephon nigeriae Thomas, 1913:
RMCA: 87.043-M-0002.
Nycteris arge Thomas, 1903:
RMCA: 87.043-M-0003

SE 00020Ba:

Hypsignathus monstrosus H. Allen, 1862:
RBINS: 15188

SE 00020Bb:

Casinycteris argynnis Thomas, 1910:
RMCA: 38652, 38653.
Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 222431, 222432, 222433, 222434, 222440, 222441, 222442, 222443, 222472, 222473, 222474, 222629.
CHIROPTERA Blumenbach, 1779:
RMCA: 34161, 34170.

Eidolon helvum (Kerr, 1792):
RMCA: 15867, 15868, 18236.
Epomops franqueti (Tomes, 1860):
RMCA: 17335, 34163, 34184, 38649, 38654, 38655, 38656.
Glauconycteris Dobson, 1875:
RMCA: 34077, 34093, 38732, 38733.
Glauconycteris argentata (Dobson, 1875):
RMCA: 34160.
Hipposideros ruber (Noack, 1893):
RMCA: 34181, 75.035-M-0036, 75.035-M-0037, 75.035-M-0038, 75.035-M-0039, 75.035-M-0040, 75.035-M-0041, 75.035-M-0042, 75.035-M-0043, 75.035-M-0044, 75.035-M-0045, 75.035-M-0046, 75.035-M-0047, 75.035-M-0048, 75.035-M-0049, 75.035-M-0050, 75.035-M-0051, 75.035-M-0052, 75.035-M-0053, 75.035-M-0054, 75.035-M-0055, 75.035-M-0056.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 15949.
Macronycteris vittatus (Peters, 1852):
RMCA: 75.035-M-0021, 75.035-M-0061.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 34168, 34171, 34172, 34173, 34176, 34177, 34178, 34180, 35635, 35636, 35637, 35638, 38686, 38687, 38688, 38689, 38690, 38691, 38692, 38693, 38694, 38695, 38696, 38697, 38698, 38699, 38700, 38701, 38702, 38703, 38704, 38705, 38817, 38818, 75.035-M-0001, 75.035-M-0004, 75.035-M-0005, 75.035-M-0006, 75.035-M-0007, 75.035-M-0008, 75.035-M-0009, 75.035-M-0010, 75.035-M-0011, 75.035-M-0012, 75.035-M-0013, 75.035-M-0014, 75.035-M-0015, 75.035-M-0016, 75.035-M-0017, 75.035-M-0018, 75.035-M-0019.
Micropteropus pusillus (Peters, 1868):
RMCA: 34166, 34167, 34169, 34174, 34175, 34179, 34182, 34183, 35629, 35630, 35631, 35632, 35633, 35634, 38657, 38658, 38659, 38660, 38661, 38662, 38663, 38664, 38665, 38666, 38667, 38668, 38669, 38670, 38677, 38678, 38679, 38680, 38681, 38682, 38683, 38684, 38685.
Myonycteris torquata (Dobson, 1878):
RMCA: 38650, 38651, 38671, 38672, 38673, 38674, 38675, 38676, 75.035-M-0002, 75.035-M-0003.
Myotis bocagii (Peters, 1870):
RMCA: 34078, 34082, 34095, 34100, 34109, 34114, 34120, 34125, 34128, 34146, 34157, 34158, 34159, 38731.
Neoromicia capensis (A. Smith, 1829):
RMCA: 38717, 38718, 38725, 75.035-M-0024, 75.035-M-0025, 75.035-M-0057.
Neoromicia nana (Peters, 1852):
RMCA: 34076, 34079, 34080, 34081, 34083, 34084, 34085, 34086, 34087, 34088, 34089, 34090, 34091, 34092, 34094, 34096, 34097, 34098, 34099, 34101, 34102, 34103, 34104, 34105, 34106, 34107, 34108, 34110, 34111, 34112, 34113, 34115, 34116, 34117, 34118, 34119, 34121, 34122, 34123, 34124, 34126, 34127, 34129, 34130, 34131, 34132, 34133, 34134, 34135, 34136, 34137, 34138, 34139, 34140, 34141, 34142, 34143, 34144, 34145, 34147, 34148, 34149, 34150, 34151, 34152, 34153, 34154, 34155, 35640, 38715, 38716, 38719, 38720, 38721, 38722, 38723, 38726, 38727, 38728, 38729, 38730, 75.035-M-0027, 75.035-M-0030, 75.035-M-0031, 75.035-M-0032, 75.035-M-0033, 75.035-M-0034, 75.035-M-0035.
Nycteris arge Thomas, 1903:
RMCA: 15950, 75.035-M-0028.
Nycteris grandis Peters, 1865:
RMCA: 34162, 38706, 38707.
Nycteris hispida (Schreber, 1774):
RMCA: 35639, 38708, 38709, 38710, 38711, 38712, 38713, 38714, 75.035-M-0022, 75.035-M-0023.
Rhinolophus Lacépède, 1799:
RMCA: 38819.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 18141.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 75.035-M-0020.
VESPERTILIONOIDEA Gray, 1821:
RMCA: 34156

SE 00020Bd:

Casinycteris argynnis Thomas, 1910:
RMCA: a1.097-M-0412.
Doryrhina cyclops (Temminck, 1853):
FMNH: 219601.
Epomops franqueti (Tomes, 1860):
FMNH: 219582, 219583, 219584, 219585, 219586. - **RMCA:** a1.097-M-0417, a1.097-M-0418, a1.097-M-0419, a1.097-M-0420, a1.097-M-0421.
Hypsignathus monstrosus H. Allen, 1862:
FMNH: 219587, 219588. - **RMCA:** a1.097-M-0413.
Kerivoula argentata Tomes, 1861:
FMNH: 219604.
Macronycteris vittatus (Peters, 1852):
FMNH: 219682.
Megaloglossus woermanni Pagenstecher, 1885:
FMNH: 219589, 219590, 219591. - **RMCA:** a1.097-M-0410, a1.097-M-0411.
Myonycteris torquata (Dobson, 1878):
FMNH: 219592, 219593, 219594, 219595, 219596, 219680.
Nycteris grandis Peters, 1865:

FMNH: 219603.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: a1.097-M-0414, a1.097-M-0415, a1.097-M-0416.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
FMNH: 219598, 219599, 219681

SE 00022Cb:

Eidolon helvum (Kerr, 1792):
RMCA: 18816.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 18844b.
Epomops franqueti (Tomes, 1860):
RMCA: 18844a, 19659.
Glauconycteris argentata (Dobson, 1875):
RMCA: 18713, 18714.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 18693, 18817, 18818.
Nycteris macrotis Dobson, 1876:
RMCA: 18715.
Rousettus Gray, 1821:
RMCA: 18641.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 18929b.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 18845, 18929a, 18930, 20084, 20846, 20847, 20848

SE 00022Da:

Neoromicia nana (Peters, 1852):
RBINS: 7468.1, 7468.2

SE 00022Db:

Hypsignathus monstrosus H. Allen, 1862:
RMCA: 21889, 21890, 21911, 21912, 21913

SE 00022Dd:

Eidolon helvum (Kerr, 1792):
RMCA: 21715.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 21716

SE 00023Ca:

Nycteris grandis Peters, 1865:
RMCA: 21915

SE 01023Ab:

Neoromicia tenuipinnis (Peters, 1872):
RMCA: 16267, 16268

SE 00025Ab:

Nycteris hispida (Schreber, 1774):
RMCA: 97.009-M-5954

SE 00026Ba:

Hipposideros ruber (Noack, 1893):
RMCA: 37146.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
INPBC: W973. - **RMCA:** 37136.
Nycteris hispida (Schreber, 1774):
RBINS: 14459. - **RMCA:** 37124

SE 00026Da:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 86.024-M-0005

SE 00027Ba:

Hipposideros ruber (Noack, 1893):
AMNH: 119614

SE 00028Bc:

Hipposideros ruber (Noack, 1893):
RMCA: 21585.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 21586

SE 00028Bd:

Myonycteris angolensis (Bocage, 1898):
RMCA: 18862, 18863, 19052, 19053, 20820

SE 00029Aa:

CHIROPTERA Blumenbach, 1779:
RMCA: 35172.
Hipposideros ruber (Noack, 1893):
RMCA: 22949, 22950, 22951, 22952, 22953, 22954, 35171, 35175, 35176, 35177, 35178, 35179, 35180, 35181, 35182, 35183, 35184, 35185, 35186, 35187, 35188, 35189, 35190, 35191, 35192, 35193, 35194, 35195, 35196, 35197, 35198, 35199, 35200, 35201, 35202, 35203, 35205, 35207, 35209, 35210, 35212, 35213, 35214, 35215.
Myonycteris angolensis (Bocage, 1898):
RMCA: 35168, 35169, 35204.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
RMCA: 35170, 35173, 35174, 35206, 35208, 35211, 35216, 35217, 35218, 35219

SE 00029Ac:

Myonycteris angolensis (Bocage, 1898):
RMCA: 20691

SE 00029Ca:

Neoromicia nana (Peters, 1852):
RBINS: 4763, 4764. - **RMCA:** 16638.
Neoromicia tenuipinnis (Peters, 1872):
AMNH: 82383, 82384.
Nycteris hispida (Schreber, 1774):
RBINS: 4782.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RBINS: 4781.
Rhinolophus eloquens K. Andersen, 1905:
AMNH: 82393

SE 00029Cc:

Glauconycteris variegata (Tomes, 1861):
INPBC: W1519. - **RMCA:** 37167, 37168

SE 01029Aa:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 12028

SE 00029Ab:

Epomophorus labiatus (Temminck, 1837):
INPBC: V1439.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
INPBC: V1438.
Stenonycteris lanosus (Thomas, 1906):
FMNH: 188790, 188791, 188792

SE 00029Cb:

Chaerephon bivittatus (Heuglin, 1861):
RMCA: 17076.
Chaerephon pumilus (Cretzschmar, 1826):
RBINS: 14542. - **RMCA:** 37381.

Hipposideros caffer (Sundevall, 1846):
INPBC: V1057.2a, V1139, V1144.01, V1144.02, V1144.03, V1144.04, V1144.05, V1144.06, V1144.07, V1144.08, V1144.09, V1144.10, V1144.11, V1144.12, V1144.13, V1144.14, V1144.15, V1144.16, V1144.17, V1144.18, V1144.19, V1144.20, V1144.21, V1144.22, V1144.23, V1144.24, V1144.25, V1144.26, V1144.27, V1144.28, V1144.29, V1144.30, V1144.31, V1144.32, V1144.33, V1144.34.
Hypsignathus monstrosus H. Allen, 1862:
ZMA: MAM.24557.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 4774, 4775, 4776, 4777. - **RMCA:** 12268, 12269.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 14562.
Mops (Mops) midas (Sundevall, 1843):
INPBC: V500.1, V500.2, V500.3.
Neoromicia nana (Peters, 1852):
RBINS: 4765, 4766. - **RMCA:** 16640, 16641, 16642. - **ZMA:** MAM.24548.
Neoromicia tenuipinnis (Peters, 1872):
RBINS: 4757.1, 4757.2. - **RMCA:** 16632.
Nycteris hispida (Schreber, 1774):
INPBC: V1057.1, V1302. - **RBINS:** 14456.
Scotophilus dinganii (A. Smith, 1833):
RBINS: 4772.
VESPERTILIONIDAE Gray, 1821:
ZMA: MAM.24549

SE 00029Cd:

Chaerephon major (Trouessart, 1897):
MHNG: 1874.059.
Chaerephon pumilus (Cretzschmar, 1826):
INPBC: V1545, W231.
Doryrhina cyclops (Temminck, 1853):
INPBC: V1325.1, V1325.2.
Epomophorus labiatus (Temminck, 1837):
INPBC: W976. - **RMCA:** 37109.
Glauconycteris variegata (Tomes, 1861):
INPBC: W548, W549.
Hipposideros caffer (Sundevall, 1846):
INPBC: V1336.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 17296. - **RMCA:** 12164, 16630, 16631.
Mops (Mops) condylurus (A. Smith, 1833):
INPBC: V1051, V1542, V1543, V1546.01, V1546.02, V1546.03, V1546.04, V1546.05, V1546.06, V1546.07, V1546.08, V1546.09, V1546.10, V1546.11, V1546.12, V1546.13, V1546.14, V1546.15, V1546.16, V1546.17, V1546.18, V1546.19, V1546.20, V1546.21, V1546.22, V1546.23, V1546.24, V1546.25, V1546.26, V1546.27, V1546.28, V1546.29, V1546.30, V1546.31, V1546.32, V1546.33, V1546.34, V1546.35, V1546.36, V1546.37, V1546.38, V1546.39, V1546.40, V1546.41, V1546.42, V1546.43, V1546.44, V1546.45.
Myonycteris angolensis (Bocage, 1898):
INPBC: W975.2.
Nycteris hispida (Schreber, 1774):
INPBC: V1838.1.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 180897, 180898.
Scotophilus dinganii (A. Smith, 1833):
INPBC: V1623, W1369

SE 01029Ab:

Chaerephon pumilus (Cretzschmar, 1826):
INPBC: V1805, V1844.
Doryrhina cyclops (Temminck, 1853):
INPBC: V1852.2.
Epomophorus labiatus (Temminck, 1837):
INPBC: V1839.2.1, V1839.2.2.
Epomophorus minor Dobson, 1880:
INPBC: V720.
Hipposideros caffer (Sundevall, 1846):
INPBC: V1711, V1723.01, V1723.02, V1723.03, V1723.04, V1723.05, V1723.06, V1723.07, V1723.08, V1723.09, V1723.10, V1723.11, V1723.12, V1723.13, V1723.14, V1723.15, V1723.16, V1723.17, V1723.18, V1723.19, V1723.20.
Miniopterus fraterculus Thomas and Schwann, 1906:
INPBC: V1766.1.
Myonycteris torquata (Dobson, 1878):
INPBC: V1694.2.
Myotis bocagii (Peters, 1870):
RMCA: 37418.

Neoromicia nana (Peters, 1852):
INPBC: V1397.1, V1708. - **RMCA:** 16639.
Nycteris arge Thomas, 1903:
INPBC: V1853A, V1853B, V1854A, V1854B, V1855.1A, V1855.1B, V1855.1C. - **RBINS:** 1289B.
Nycteris hispida (Schreber, 1774):
INPBC: V1838.2.
Nycteris intermedia Aellen, 1959:
INPBC: V1655.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
INPBC: V1436, V1804.
Rhinolophus fumigatus Rüppell, 1842:
INPBC: V264.2.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
INPBC: V1765, V1839.3, V5006, V705.
Scotophilus dinganii (A. Smith, 1833):
INPBC: V1807, V1957

SE 00029Ba:

Chaerephon pumilus (Cretzschmar, 1826):
INPBC: V1176.043, V1176.044, V1176.045, V1176.046, V1176.047, V1176.048, V1176.049, V1176.050, V1176.051, V1176.052, V1176.053, V1176.054, V1176.055, V1176.056, V1176.057, V1176.058, V1176.059, V1176.060, V1176.061, V1176.062, V1176.063, V1176.064, V1176.065, V1176.066, V1176.067, V1176.068, V1176.069, V1176.070, V1176.071, V1176.072, V1176.073, V1176.074, V1176.075, V1176.076, V1176.077, V1176.078, V1176.079, V1176.080, V1176.081, V1176.082, V1176.083, V1176.084, V1176.085, V1176.086, V1176.087, V1176.088, V1176.089, V1176.090, V1176.091, V1176.092, V1176.093, V1176.094, V1176.095, V1176.096, V1176.097, V1176.098, V1176.099, V1176.100, V1176.101, V1176.102, V1176.103, V1176.104, V1176.105, V1176.106, V1176.107, V1176.108, V1176.109, V1176.110, V1176.111, V1176.112, V1176.113, V1176.114, V1176.115, V1176.116, V1176.117, V1176.118, V1176.119, V1176.120, V1176.121, V1176.122, V1176.123, V1176.124, V1176.125, V1176.126, V1176.127, V1176.128, V1176.129, V1176.130, V1176.131, V1176.132, V1176.133, V1176.134, V1176.135, V1176.136, V1176.137, V1176.138, V1176.139, V1176.140, V1176.141, V1176.142. - **RMCA:** 35460, 35461, 35462, 35463, 35464, 35465, 35466, 35467, 35468, 35469, 35470, 35471, 35472, 35473, 35474, 35475, 35476, 35477, 35478, 35479, 35480, 35481, 35482, 35483, 35484, 35485, 35486, 35487, 35488, 35489, 35490, 37383, 82.031-M-0002, 82.031-M-0003, 82.031-M-0004.
Doryrhina cyclops (Temminck, 1853):
RBINS: 13333.
Hipposideros caffer (Sundevall, 1846):
INPBC: V1672.1, V1672.2.01, V1672.2.02, V1672.2.03, V1672.2.04, V1672.2.05, V1672.2.06, V1672.2.07, V1672.2.08, V1672.2.09, V1672.2.10, V1672.2.11, V1672.2.12, V1672.2.13. - **RBINS:** 15450, 15451.
Hipposideros ruber (Noack, 1893):
RMCA: 37155.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
INPBC: V96, W541, W978. - **RBINS:** 15456.1, 15456.2, 15462.1, 15462.2, 17297, 17298. - **RMCA:** 37129, 37130, 37131, 37132, 37133, 37137, 37138. - **ZMB:** 67860.
Mops (Mops) condylurus (A. Smith, 1833):
INPBC: V112, V1127, V1176.001, V1176.002, V1176.003, V1176.004, V1176.005, V1176.006, V1176.007, V1176.008, V1176.009, V1176.010, V1176.011, V1176.012, V1176.013, V1176.014, V1176.015, V1176.016, V1176.017, V1176.018, V1176.019, V1176.020, V1176.021, V1176.022, V1176.023, V1176.024, V1176.025, V1176.026, V1176.027, V1176.028, V1176.029, V1176.030, V1176.031, V1176.032, V1176.033, V1176.034, V1176.035, V1176.036, V1176.037, V1176.038, V1176.039, V1176.040, V1176.041, V1176.042, W1284, W1286, W1288, W1290, W1292, W1294, W1296, W1298, W1302.01, W1302.02, W1302.03, W1302.04, W1302.05, W1302.06, W1302.07, W1302.08, W1302.09, W1302.10, W1302.11. - **RMCA:** 35421, 35422, 35423, 35424, 35425, 35426, 35427, 35428, 35429, 35430, 35431, 35432, 35433, 35434, 35435, 35436, 35437, 35438, 35439, 35440, 35441, 35442, 35443, 35444, 35445, 35446, 35447, 35448, 35449, 35450, 35451, 35452, 35453, 35454, 35455, 35456, 35457, 35458, 35459, 37384, 37385, 37386, 37397, 37398, 37399, 37400, 37401, 82.031-M-0001.
Neoromicia nana (Peters, 1852):
INPBC: W1372.1, W1372.2.
Neoromicia tenuipinnis (Peters, 1872):
RBINS: 4760.
Nycteris hispida (Schreber, 1774):
INPBC: V1297.1, V1297.2, W1391. - **RBINS:** 15465. - **RMCA:** 37121.
Pipistrellus rueppellii (Fischer, 1829):
INPBC: W979.1.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 37380.
VESPERTILIONIDAE Gray, 1821:
INPBC: W979.2

SE 00029Bc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 77.029-M-0006, 77.029-M-0007, 77.029-M-0008, 77.029-M-0009, 77.029-M-0010, 77.029-M-0011, 77.029-M-0012, 77.029-M-0013, 77.029-M-0014, 77.029-M-0015, 77.029-M-0016, 77.029-M-0017, 77.029-M-0018, 77.029-M-0019, 77.029-M-0020, 77.029-M-0021, 77.029-M-0022, 77.029-M-0023, 77.029-M-0024, 77.029-M-0025, 77.029-M-0026, 77.029-M-0027, 77.029-M-0028, 77.029-M-0029, 77.029-M-0030, 77.029-M-0031, 77.029-M-0032, 77.029-M-0033, 77.029-M-0034, 77.029-M-0035, 77.029-M-0036, 77.029-M-0037, 77.029-M-0038, 77.029-M-0039, 77.029-M-0136, 77.029-M-0137, 77.029-M-0138,

77.029-M-0139, 77.029-M-0140, 77.029-M-0141, 77.029-M-0142, 77.029-M-0143, 77.029-M-0144, 77.029-M-0145, 77.029-M-0146, 77.029-M-0147, 77.029-M-0148, 77.029-M-0149, 77.029-M-0150, 77.029-M-0151, 77.029-M-0152, 77.029-M-0153, 77.029-M-0154, 77.029-M-0155, 77.029-M-0156, 77.029-M-0157, 77.029-M-0158, 77.029-M-0159, 77.029-M-0160, 77.029-M-0161, 77.029-M-0162, 77.029-M-0163, 77.029-M-0164, 77.029-M-0165, 77.029-M-0166, 77.029-M-0167, 77.029-M-0168, 77.029-M-0169, 77.029-M-0170, 77.029-M-0171, 77.029-M-0172, 77.029-M-0173, 77.029-M-0174, 77.029-M-0175, 77.029-M-0176, 77.029-M-0177, 77.029-M-0178, 77.029-M-0179, 77.029-M-0180, 77.029-M-0181, 77.029-M-0182, 77.029-M-0183, 77.029-M-0184, 77.029-M-0185, 77.029-M-0186, 77.029-M-0187, 77.029-M-0188, 77.029-M-0189, 77.029-M-0190, 77.029-M-0191, 77.029-M-0192, 77.029-M-0193, 77.029-M-0194, 77.029-M-0195, 77.029-M-0196, 77.029-M-0197, 77.029-M-0198, 77.029-M-0199, 77.029-M-0211, 77.029-M-0212, 77.029-M-0213, 77.029-M-0214, 77.029-M-0215, 77.029-M-0216, 77.029-M-0217, 77.029-M-0218, 77.029-M-0219, 77.029-M-0220, 77.029-M-0221, 77.029-M-0222, 77.029-M-0223, 77.029-M-0224, 77.029-M-0225, 77.029-M-0226, 77.029-M-0227, 77.029-M-0228, 77.029-M-0229, 77.029-M-0230.
Epomophorus labiatus (Temminck, 1837):
RMCA: 77.029-M-0001.
Epomops franqueti (Tomes, 1860):
AMNH: 189474, 189476, 189477.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 77.029-M-0200, 77.029-M-0201, 77.029-M-0202, 77.029-M-0203, 77.029-M-0204, 77.029-M-0205, 77.029-M-0206, 77.029-M-0207, 77.029-M-0208, 77.029-M-0209.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 77.029-M-0002.
Myonycteris angolensis (Bocage, 1898):
AMNH: 189475.
Pipistrellus rueppellii (Fischer, 1829):
ROM: 48708

SE 00029Da:

Epomophorus labiatus (Temminck, 1837):
FMNH: 154073.
Hipposideros ruber (Noack, 1893):
MVZ: 124247.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 154075.
Mops (Mops) midas (Sundevall, 1843):
INPBC: V183.1, V183.2, V183.3

SE 00029Dc:

Epomophorus labiatus (Temminck, 1837):
FMNH: 160204, 160205, 160206, 160207, 160208.
Epomops franqueti (Tomes, 1860):
FMNH: 160211, 160212, 160213, 160214, 160215, 160216, 160217, 160218, 160219, 160220, 160221, 160222, 160223, 160224, 160225, 160226, 160227, 160228, 160229, 160230, 160231, 160232, 160233, 160235, 160236, 160237, 160238.
Kerivoula phalaena Thomas, 1912:
ROM: 59191.
Megaloglossus woermanni Pagenstecher, 1885:
FMNH: 160241, 160242, 160243, 160244, 160245, 160249, 160250, 160251.
Mops (Xiphonycteris) thersites (Thomas, 1903):
FMNH: 160385, 160386, 160387.
Myonycteris angolensis (Bocage, 1898):
FMNH: 160263, 160264, 160265, 160266, 160267, 160268, 160269, 160270, 160271, 160283, 160284, 160285, 160286, 160287, 160288, 160289, 160290, 160291, 160292, 160293, 160323, 160324, 160325, 160326, 160327, 160328, 160333, 160334, 160335, 160336.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
LACM: 31777, 31778, 31779, 51609, 51610, 51611, 51612, 51613, 51614, 51615, 51616, 51618, 51619, 51620.
Myonycteris torquata (Dobson, 1878):
FMNH: 160253.
Neoromicia nana (Peters, 1852):
FMNH: 160371, 160372, 160373, 160374, 160375, 160376.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
LACM: 51750, 57772, 57773, 57774, 57775, 57776, 57777.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 160254, 160255, 160256, 160257, 160258, 160259, 160260, 160262.
Scotophilus nux Thomas, 1904:
FMNH: 160378, 160379, 160380, 160381, 160382, 160383, 160384

SE 01029Ba:

Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
LACM: 51550, 51601

SE 00029Bb:

Chaerephon pumilus (Cretzschmar, 1826):

AMNH: 219775, 219776, 219777, 219778, 219779, 219780. - **MCZ:** 48912, 48913. - **ROM:** 48671, 48672, 48673, 48674, 48675, 48676, 48677, 48678, 48679, 48680, 48681, 48682.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 219725, 219726. - **MVZ:** 124245, 124246. - **ROM:** 38276, 38277, 38278.
MOLOSSIDAE Gervais, 1856:
MSU: MR.6124.
Nycteris G. Cuvier and E. Geoffroy, 1795:
MCZ: 48914, 48915.
Nycteris hispida (Schreber, 1774):
CAS: 11912, 11913. - **MVZ:** 124244. - **ROM:** 38294.
Pipistrellus rueppellii (Fischer, 1829):
HZM: 1.3050, 2.3051. - **ROM:** 48693.
Pipistrellus rueppellii fuscipes Thomas, 1913:
AMNH: 82389, 82390. - **MVZ:** 124249, 124250, 124251.
Saccolaimus peli (Temminck, 1853):
MCZ: 28535, 28536

SE 00029Db:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 154078.
CHIROPTERA Blumenbach, 1779:
AMNH: 269613, 269614, 269817.
Epomops franqueti (Tomes, 1860):
AMNH: 269617, 269648.
Hipposideros caffer (Sundevall, 1846):
AMNH: 269641, 269727, 269728, 269762, 269763, 269764, 269765, 269766, 269767, 269768, 269769, 269770, 269771, 269772, 269773, 269807.
Myonycteris angolensis (Bocage, 1898):
FMNH: 154074.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
AMNH: 269781.
Neoromicia nana (Peters, 1852):
FMNH: 154077.
Pipistrellus nanulus Thomas, 1904:
AMNH: 269740, 269741.
Scotoecus hirundo (de Winton, 1899):
FMNH: 154076.
Tadarida Rafinesque, 1814:
FMNH: 154079

SE 00030Aa:

Chaerephon aloysiisabaudiae (Festa, 1907):
MVZ: 124252.
Chaerephon pumilus (Cretzschmar, 1826):
MVZ: 124253.
Nycteris hispida (Schreber, 1774):
CAS: 12489, 12522.
Pipistrellus rueppellii fuscipes Thomas, 1913:
MVZ: 124248

SE 00030Ac:

Chaerephon pumilus (Cretzschmar, 1826):
WAM: M16557.
Epomops franqueti (Tomes, 1860):
FMNH: 182118, 224535, 224536, 224537, 224538, 224539, 224540, 224541, 224542. - **LACM:** 35666.
Hipposideros caffer (Sundevall, 1846):
FMNH: 182120, 182121, 182122, 182123, 182124, 182125, 182126.
Myonycteris angolensis (Bocage, 1898):
FMNH: 182119, 224543, 224544, 224545, 224546, 224547.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
LACM: 35667, 35668, 35669.
Myonycteris torquata (Dobson, 1878):
FMNH: 224548, 224549, 224550.
Neoromicia nana (Peters, 1852):
FMNH: 182127.
Pipistrellus hesperidus (Temminck, 1840):
FMNH: 224554.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 224551, 224552, 224553

SE 00030Cb:

Myotis bocagii (Peters, 1870):
AMNH: 219739.
Pipistrellus nanulus Thomas, 1904:
AMNH: 219741.
Pipistrellus rueppellii (Fischer, 1829):
BMNH: 1975.2567.
Stenonycteris lanosus (Thomas, 1906):
ROM: 41781

SE 00030Da:

Nycteris hispida (Schreber, 1774):
BMNH: 1966.3608

SE 00031Bd:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 149704, 149705, 149706, 149707.
Epomops franqueti (Tomes, 1860):
FMNH: 149664, 149665, 149666, 149667.
Glauconycteris variegata (Tomes, 1861):
FMNH: 149694.
Neoromicia tenuipinnis (Peters, 1872):
SMF: 41818

SE 00032Ac:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 137477, 137478, 137479, 137635, 137636, 137637, 137638.
Chaerephon pusillus (Miller, 1902):
FMNH: 137634.
Epomops franqueti (Tomes, 1860):
FMNH: 137614, 137615.
Hipposideros ruber (Noack, 1893):
FMNH: 137480, 137481, 137482, 137483, 137484, 137485, 137486, 137487, 137488, 137629, 137630, 137631, 137632.
Micropteropus pusillus (Peters, 1868):
FMNH: 137474, 137475, 137616, 137617, 137618.
Nycteris hispida (Schreber, 1774):
FMNH: 137625, 137626

SE 00032Ad:

Epomops franqueti (Tomes, 1860):
FMNH: 149659, 149660, 149661, 149662, 149663.
Micropteropus pusillus (Peters, 1868):
FMNH: 149668, 149669, 149670, 149671, 149672, 149673, 149674, 149675, 149676.
Myonycteris angolensis (Bocage, 1898):
FMNH: 149691, 149692, 149693.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
BMNH: 1907.1958, 1971.957, 1971.957_1, 1971.957_2.
Neoromicia nana (Peters, 1852):
FMNH: 149699, 149700, 149701, 149702, 149703.
Nycteris hispida (Schreber, 1774):
FMNH: 149695

SE 00032Bc:

Epomophorus labiatus (Temminck, 1837):
ROM: 45913

SE 00032Db:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 16291, 16292.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 16287, 16288

SE 01033Aa:

Neoromicia helios (Heller, 1912):
ZMMU: S-165861.
Neoromicia tenuipinnis (Peters, 1872):
AMNH: 28604.
Pipistrellus rueppellii (Fischer, 1829):
SMF: 16899

SE 00033Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1962.2004

SE 00034Aa:

Neoromicia nana (Peters, 1852):
ZMA: MAM.10242

SE 00034Ca:

Chaerephon pumilus (Cretzschmar, 1826):
BMNH: 1903.3.2.4

SE 00034Ab:

Mops (Mops) condylurus (A. Smith, 1833):
ZMA: MAM.10238, MAM.10239, MAM.10240

SE 00034Ba:

Coleura afra (Peters, 1852):
MMU: PWW2982, PWW2983, PWW2984, PWW2985, PWW2986, PWW2987, PWW2988.
Epomophorus labiatus (Temminck, 1837):
MMU: PWW2995, PWW2996.
Miniopterus Bonaparte, 1837:
MMU: PWW2981.
Myotis bocagii (Peters, 1870):
MMU: PWW2989.
Neoromicia capensis (A. Smith, 1829):
MMU: PWW2992, PWW3002.
Neoromicia nana (Peters, 1852):
MMU: PWW3004.
Neoromicia tenuipinnis (Peters, 1872):
MMU: PWW2990, PWW2993, PWW2994, PWW2998, PWW3000, PWW3001, PWW3003, PWW3005.
Nycteris aurita (K. Andersen, 1912):
MMU: PWW2997.
Pipistrellus rueppellii (Fischer, 1829):
MMU: PWW2991, PWW2999.
Scotophilus leucogaster (Cretzschmar, 1826):
MMU: PWW3006

SE 00034Bc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 16091, 16092. - **ZMB:** 11392.
Nycteris macrotis Dobson, 1876:
BMNH: 1936.10.4.3

SE 00034Da:

Neoromicia tenuipinnis (Peters, 1872):
WNMU: 6129.
Scotoecus hirundo (de Winton, 1899):
FMNH: 152785

SE 00034Bb:

Chaerephon ansorgei (Thomas, 1913):
ROM: 71017, 71020, 71026.
Chaerephon bemmeleni (Jentink, 1879):
ROM: 63943.
Chaerephon bivittatus (Heuglin, 1861):
ROM: 71018, 71019, 71021, 71022, 71023, 71024, 71025, 71027, 71028.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 63912, 63913, 63914, 63915, 63916, 63917, 63918, 63919, 63920, 63921, 63922, 63923, 63924, 63925, 63926, 63927, 63928, 63929, 63930, 63931, 63932, 63933, 63934, 63935, 63936, 63937, 63938, 63939, 63940, 63941, 63942, 63944, 63945, 63946, 63947, 63948, 63949, 63950, 63951, 63952, 63953, 63954, 63955, 63956, 63957, 63958, 63959, 63960, 63961, 63962, 63985.
Epomophorus labiatus (Temminck, 1837):
MCZ: 31146.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 182659, 182660, 182661, 182662, 184321, 184322.

Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 42735. - **MCZ:** 22818. - **ROM:** 63963, 63964, 63966, 63967, 63968, 63969, 63970, 63973, 63974, 63975, 63976, 63977, 63978, 63979, 63980, 63981, 63982, 63983, 63984, 63986.
Mops (Mops) demonstrator (Thomas, 1903):
ROM: 63965, 63971, 63972.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1905-194.
Nycteris nana (K. Andersen, 1912):
MCZ: 31156

SE 00034Bd:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 182655

SE 00034Db:

Mops (Mops) condylurus (A. Smith, 1833):
CAS: 24566, 24567.
Nycteris hispida (Schreber, 1774):
BMNH: 1971.1461.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 60131, 60132, 60133, 60134, 60135, 60136, 60137, 60138, 60139, 60140, 60141, 60142, 60143.
Rhinolophus fumigatus Rüppell, 1842:
CAS: 24714, 24715, 24716, 24717, 24718.
Scotoecus hirundo (de Winton, 1899):
SMF: 48670

SE 00035Aa:

Epomophorus wahlbergi (Sundevall, 1846):
HZM: 8.3061.
Tadarida Rafinesque, 1814:
CAS: 21244, 21245

SE 00035Ca:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 166641, 181480, 181481, 181482.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
USNM: 181462.
Rhinolophus eloquens K. Andersen, 1905:
USNM: 166366, 166367

SE 00035Ab:

Hipposideros caffer (Sundevall, 1846):
ROM: 68446, 68447, 68448, 68449, 68450, 77878, 77879, 77880, 77881.
Hipposideros ruber (Noack, 1893):
FMNH: 152636, 152637, 152638, 152639. - **USNM:** 350943, 350944, 350945, 350946, 350947, 351239, 351240.
Miniopterus Bonaparte, 1837:
WAM: M23217.
Miniopterus africanus Sanborn, 1936:
USNM: 351048, 351049, 351050, 351051, 351052, 351053, 351054, 351055.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 76055, 76056, 76057, 76058, 76059, 76060, 76061, 76062, 76063, 76064, 76065, 76066, 76067, 76068, 76069.
Miniopterus inflatus rufus Sanborn, 1936:
FMNH: 152842, 152843, 152844, 152845, 152846. - **ROM:** 40332, 40333, 40334, 40335, 68461, 68462, 68463.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 78031.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 36315. - **USNM:** 351217.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 68426, 68427, 68428, 68429, 68430, 68431, 77849, 77850, 77851, 77852, 77853, 77854, 77855, 77856, 77857, 77858, 83929. - **USNM:** 350882, 350883, 350884, 350885, 350886, 351216.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 152554, 152555.
Taphozous incognita (Butler & Hopwood, 1957):
BMGD: M.14222

SE 00035Ad:

Hipposideros caffer (Sundevall, 1846):
ROM: 48597.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 48592, 48593, 48594, 48595.
Stenonycteris lanosus (Thomas, 1906):
ROM: 48719, 48720, 48721

SE 00035Ba:

Hipposideros caffer (Sundevall, 1846):
MSU: MR.6155, MR.6156.
Miniopterus Bonaparte, 1837:
WAM: M16508.
Miniopterus inflatus Thomas, 1903:
BMNH: 1970.2530.
Miniopterus inflatus rufus Sanborn, 1936:
FMNH: 152840, 152841.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 152889

SE 00035Bc:

Chaerephon bivittatus (Heuglin, 1861):
USNM: 437275.
Epomophorus wahlbergi (Sundevall, 1846):
LACM: 31742.
Pipistrellus Kaup, 1829:
ROM: 68423.
Rhinolophus Lacépède, 1799:
WAM: M16565.
Rhinolophus clivosus Cretzschmar, 1828:
CAS: 11945. - **FMNH:** 67889, 67890

SE 00035Da:

Hipposideros ruber (Noack, 1893):
USNM: 350962, 350963, 351241, 351242

SE 00035Bb:

Chaerephon bemmeleni (Jentink, 1879):
HZM: 1.4496.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 152977. - **ROM:** 73125. - **WAM:** M16514.
Eidolon helvum (Kerr, 1792):
NMK: 4649.
Hipposideros ruber (Noack, 1893):
FMNH: 152640.
Miniopterus africanus Sanborn, 1936:
ROM: 73128, 73129.
Miniopterus inflatus inflatus Thomas, 1903:
CAS: 11966.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 152892, 152893. - **ROM:** 73126, 73127.
Neoromicia somalica (Thomas, 1901):
HZM: 2.9113.
Nycteris macrotis Dobson, 1876:
BMNH: 1975.2871.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 152484, 152485, 152486.
Otomops Thomas, 1913:
ROM: 68360, 68361, 68362, 68363, 68364, 68365, 68366.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
USNM: 436726, 436727, 436728, 436729, 436731, 436732.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 577665.
Rhinolophus eloquens K. Andersen, 1905:
USNM: 350880, 350881.
Scotophilus dinganii (A. Smith, 1833):
ROM: 73131. - **USNM:** 436814.
Scotophilus nigrita (Schreber, 1774):
WAM: M16560.
Stenonycteris lanosus (Thomas, 1906):
ZMA: MAM.20428. - **ZMB:** 66998.
Tadarida ventralis (Heuglin, 1861):
BMNH: 1975.2657. - **ROM:** 73130

SE 00035Bd:

Hipposideros megalotis (Heuglin, 1861):
ROM: 75629.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 75508.
Scotophilus dinganii (A. Smith, 1833):
ROM: 75509

SE 00036Aa:

Miniopterus Bonaparte, 1837:
MCZ: 48906, 48907, 48908, 48909, 48910, 48911.
Miniopterus africanus Sanborn, 1936:
FMNH: 152847, 152848, 152849, 152866, 152867, 152868. - **ROM:** 75510, 75511, 75512, 75513, 75514, 75515. - **USNM:** 351014, 351015, 351016, 351017, 351018, 351019, 351057, 436816, 436817, 436818, 436819, 436820, 436821, 436822, 436823, 436824, 436825, 436826, 436827, 436828, 436829, 436830, 436831, 436832, 436833, 436834, 436835, 436836, 436837, 436838, 436839, 436840, 436841, 436842, 436843.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 66641, 66642, 76053. - **USNM:** 351251, 351252, 351253.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 152890, 152891, 152900, 85235, 85236, 85467, 85468, 85469, 85470, 85471, 85472, 85473, 85474, 85475, 85476, 85477, 85478, 91691, 91692, 91693, 91694, 91695, 91696, 91697, 91698, 91699, 91700, 91701, 91702, 91703, 91704, 91705, 91706. - **ROM:** 66643, 66644, 66645, 66646, 66647, 66648, 66649, 66650, 66651, 66652, 66653, 66654, 66655, 66656, 66657, 66658, 66659, 66660, 66661, 66662, 66663, 66664, 66665, 66666, 66667, 66668, 66669, 66670, 66671, 66672, 66673, 66674, 66676, 66677, 66678, 66679, 66680, 66681, 66682, 66683, 66684, 66685, 66686, 66687, 66688, 66689, 66690, 66691, 66692, 66693, 66694, 66695, 66696, 66697, 66698, 66699, 75516, 75517, 75518, 75519, 75520, 75521, 75522, 75523, 76049, 76050, 76051, 76052, 76054. - **USNM:** 317929, 317930, 317931, 317932, 317933, 317934, 317935, 317936, 317937, 317938, 317939, 317940, 351004, 351005, 351006, 351007, 351008, 351009, 351010, 351011, 351250, 436844.
Myotis tricolor (Temminck, 1832):
FMNH: 152737, 152738, 85233, 85234, 85479, 85480, 85481, 85482, 85483, 85484, 85485, 85486, 85487, 85488, 85489, 85490, 85491, 85492, 85493, 85494, 85495, 85496, 91655, 91656, 91657, 91658, 91659, 91660, 91661, 91662, 91663, 91664, 91665, 91666, 91667, 91668, 91669, 91670, 91671, 91672, 91673, 91674, 91675, 91676, 91677, 91678, 91679, 91680, 91681, 91682, 91683, 91684, 91685, 91686, 91687, 91688, 91689, 91690. - **LACM:** 96262. - **ROM:** 75524, 78627. - **USNM:** 317909, 317910, 317911, 317912, 317913, 317914, 317915, 317916, 317917, 317918, 317919, 317920, 317921, 317922, 317923, 317924, 317925, 317926, 317927, 317928, 351061.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 85231, 85232.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 152538. - **ROM:** 77840. - **USNM:** 350889, 350890, 350891, 350892, 350893, 436612. - **ZMA:** MAM.20436.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 77848. - **USNM:** 351218.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 184437, 184438, 184439, 184440, 184441, 184442, 184443, 184444, 184445. - **FMNH:** 86514, 86515, 86516, 86517, 86518, 86519, 86520. - **KU:** 151335.
Stenonycteris lanosus (Thomas, 1906):
BMNH: 1975.2422, 1975.2422_1, 1975.2422_2, 1975.2422_3, 1975.2422_4, 1975.2422_5, 1975.2423, 1975.2424, 1975.2425, 1975.2426. - **FMNH:** 152408, 152409, 82227, 85227, 85228, 85448, 85449, 85450, 85451. - **ROM:** 77950, 77951, 77952, 77953, 77954, 77955, 91148. - **USNM:** 317893, 317894, 317895, 317896, 317897, 317898, 350779, 350780, 350781, 350782, 436366, 436367, 436368, 436369, 436370, 436371, 436372, 436373, 436374, 436375, 436376. - **ZMA:** MAM.20426, MAM.20427, MAM.20429, MAM.20430, MAM.20431, MAM.20432

SE 00036Ac:

Chaerephon pumilus (Cretzschmar, 1826):
CAS: 11970, 11972, 11998. - **FMNH:** 152969, 152970, 152971, 152972, 152973, 152974, 152975, 152976, 67957. - **ROM:** 48648, 78432. - **USNM:** 437077, 437078, 437079, 437080, 437081, 437082, 437083, 437084, 437085, 437086, 437087, 437088, 437089, 437090, 437091, 437092, 437093, 437094, 437095, 437096, 437097, 437098, 437099, 437100, 437101, 437102, 437103, 437104, 437105, 437106, 437107, 437108, 437109, 437110, 437111, 437112, 437113, 437114, 437115, 437116, 437117, 437118, 437119, 437120, 437121, 437122, 437123, 437124, 437125, 437126, 437127, 437128, 437129, 437130, 437131, 437132, 437133, 437134, 437135, 437136. - **WAM:** M16529. - **ZMA:** MAM.16835.
Epomophorus wahlbergi (Sundevall, 1846):
USNM: 436417, 436419. - **ZMA:** MAM.20881.
Hipposideros caffer (Sundevall, 1846):
MMU: PWW2818. - **ROM:** 59248, 59249, 59250, 59251, 59252, 59253, 59254, 59255, 59256, 59257, 59258, 77401.
Hipposideros megalotis (Heuglin, 1861):
AMNH: 219738. - **CAS:** 11947. - **FMNH:** 152635, 77486. - **ROM:** 65867, 65868, 65869, 77867, 83928. - **USNM:** 350969.
Miniopterus africanus Sanborn, 1936:
MCZ: 59881. - **MMU:** PWW2841. - **ROM:** 36392, 36393, 36394, 36395, 36396, 36397, 36398, 36399, 36400, 76035, 76036, 76074, 76075. - **USNM:** 351059.
Miniopterus fraterculus Thomas and Schwann, 1906:
MCZ: 59880. - **MMU:** PWW2838, PWW2839, PWW2840, PWW2916, PWW2917, PWW2919.
Miniopterus inflatus inflatus Thomas, 1903:
CAS: 11967, 11968, 11969.

Miniopterus natalensis (A. Smith, 1833):
MCZ: 59763, 59882. - **MMU:** PWW2842, PWW2843, PWW2844, PWW2845, PWW2846, PWW2847, PWW2848, PWW2918. - **ROM:** 36404, 36405, 36406, 36407, 36408, 36409, 36410, 36411, 36412, 36413, 36414, 36415, 36416, 36417, 36418, 36419, 76033, 76034, 76077.
Mops (Mops) condylurus (A. Smith, 1833):
SMF: 19465.
Myotis tricolor (Temminck, 1832):
CAS: 11951, 11953. - **ROM:** 78626.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
CAS: 10135. - **FMNH:** 67883. - **MMU:** PWW2817, PWW2914, PWW2915. - **ROM:** 35306, 38410, 38411, 38412, 38413.
Pipistrellus hesperidus (Temminck, 1840):
AMNH: 245387. - **CM:** 98023, 98024.
Rhinolophus eloquens K. Andersen, 1905:
MCZ: 59794, 59795, 59796, 59875, 59876. - **MMU:** PWW2833, PWW2834, PWW2835, PWW2836, PWW2837. - **ROM:** 36314, 65883, 65884, 65885, 65886, 65887.
Rhinolophus lobatus Peters, 1852:
MMU: PWW2819, PWW2820, PWW2821, PWW2822, PWW2823, PWW2824, PWW2825, PWW2826, PWW2827, PWW2828, PWW2829, PWW2830, PWW2831, PWW2832, PWW2904, PWW2905, PWW2906, PWW2907, PWW2908, PWW2909, PWW2910, PWW2911, PWW2912, PWW2913.
Scotophilus andrewreborii Brooks and Bickham, 2014:
CM: 98048, 98049, 98050.
Scotophilus dinganii (A. Smith, 1833):
MCZ: 59766, 59767, 59768, 59889, 59890.
Stenonycteris lanosus (Thomas, 1906):
WAM: M16575

SE 00036Ca:

Rhinolophus eloquens K. Andersen, 1905:
MCZ: 59789, 59790, 59791, 59792, 59793, 59797, 59798

SE 00036Ad:

Miniopterus africanus Sanborn, 1936:
MMU: PWW2734, PWW2740, PWW2741, PWW2742, PWW2743, PWW2744, PWW2745.
Miniopterus natalensis (A. Smith, 1833):
MMU: PWW2746, PWW2747, PWW2748, PWW2749, PWW2750, PWW2751, PWW2752, PWW2753, PWW2754, PWW2755, PWW2756, PWW2757, PWW2758, PWW2759, PWW2760. - **ZMA:** MAM.20433, MAM.20434.
Rhinolophus clivosus Cretzschmar, 1828:
MMU: PWW2725, PWW2849, PWW2850, PWW2852, PWW2854, PWW2855.
Rhinolophus eloquens K. Andersen, 1905:
MMU: PWW2853, PWW2856, PWW2857, PWW2858, PWW2859, PWW2860, PWW2861, PWW2862, PWW2863, PWW2864.
Rhinolophus lobatus Peters, 1852:
MMU: PWW2726, PWW2727, PWW2728, PWW2729, PWW2730, PWW2731, PWW2732, PWW2733, PWW2851, PWW2865, PWW2866, PWW2867.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1900.6.21.2

SE 00036Cb:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 152939, 152940, 152941, 152942, 152943, 152944, 152945, 152946, 152947, 152948, 152949, 152950, 152951, 152952, 152953, 152954, 152955, 152956, 44261. - **USNM:** 162101, 162102, 162103, 166657, 166658, 166659, 166660, 166661, 166662, 166663, 166664, 166665, 166666, 166668, 436926. - **WNMU:** 6451, 6453.
Hipposideros caffer (Sundevall, 1846):
MMU: PWW2784, PWW2785, PWW2786, PWW2787, PWW2788, PWW2789, PWW2790, PWW2791, PWW2792, PWW2793, PWW2794, PWW2795, PWW2796, PWW2869, PWW2870, PWW2871, PWW2872, PWW2873, PWW2874, PWW2875, PWW2876, PWW2877, PWW2878, PWW2879, PWW2880, PWW2881, PWW2883, PWW2884, PWW2885, PWW2886, PWW2887, PWW2888, PWW2889, PWW2890, PWW2891, PWW2902, PWW2903.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 152899. - **MMU:** PWW2811, PWW2812, PWW2813, PWW2814, PWW2815, PWW2816.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 153004, 153005, 153006, 153007.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 436738, 436739.
Nycteris hispida (Schreber, 1774):
FMNH: 152455. - **ROM:** 65408.
Otomops Thomas, 1913:
USNM: 437339.
Rhinolophus clivosus Cretzschmar, 1828:
CAS: 11935.
Rhinolophus eloquens K. Andersen, 1905:
MMU: PWW2797, PWW2798, PWW2799, PWW2800, PWW2801, PWW2802, PWW2803, PWW2804, PWW2805, PWW2806, PWW2807, PWW2808, PWW2809, PWW2810, PWW2892, PWW2893, PWW2894, PWW2895, PWW2896, PWW2897, PWW2898, PWW2899, PWW2900, PWW2901. - **ROM:** 36307.

Rhinolophus lobatus Peters, 1852:
ROM: 65409, 65410, 65411, 65412, 65413, 65414, 65415, 65416, 65417, 65649, 65650, 65651, 65652.
Scotophilus dinganii (A. Smith, 1833):
ROM: 78823. - **USNM:** 436776

SE 00036Cd:

Chaerephon pumilus (Cretzschmar, 1826):
CAS: 11971, 11997, 11999, 12000, 12001. - **FMNH:** 152957, 152958, 152959, 152960, 152961, 152962, 152963, 152964, 152965, 152966, 152967, 152968, 152978. - **MCZ:** 48890, 48891, 48892, 48893, 48894, 48895, 48896. - **ROM:** 36466, 36467, 36468, 36469, 36470, 36471, 36472, 41842, 41843, 41844, 41845, 41846, 41847, 41848, 41849, 41850, 41851, 41852, 41853, 41854, 41855, 41856, 41857, 41858, 41859, 41860, 41861, 41862, 41863, 41864, 41865, 41866, 41867, 41868, 41869, 41870, 41871, 41872, 41873, 41874, 41875, 41876, 41877, 41878, 41879, 41880, 41881, 41882, 41883, 41884, 41885, 41889, 41890, 41891, 41892, 41893, 41894, 41895, 41896, 41897, 41898, 41899, 41900, 41901, 41902, 41903, 41904, 41905, 41906, 41907, 41908, 47000, 47001, 47002, 47003, 47004, 47005, 47006, 47007, 47008, 47009, 47010, 47011, 47012, 47013, 47014, 47015, 47016, 47017, 47018, 47019, 47020, 47021, 50797, 50798, 50799, 50800, 50801, 50802, 56360, 56361, 56362, 56363, 56364, 56365, 56366, 56367, 56368, 56369, 56370, 56371, 56372, 56373, 56374, 56375, 56376, 56377, 56378, 56379, 56380, 56381, 56383, 66230, 66232, 66233, 66236, 73135, 73136, 73139, 73140, 73141, 76118, 76119, 76120, 76121, 76122, 76123, 76124, 76125, 76126, 76127, 76128, 76130, 76131, 76132, 76133, 76134, 76135, 76136, 76137, 76138, 76139, 76140, 76141, 76142, 76143, 76144, 76145, 76146, 76147, 76148, 76150. - **USNM:** 351126, 351127, 351128, 351129, 351130, 351131, 351132, 351133, 351134, 351135, 351136, 351137, 351138, 351139, 351140, 351141, 351142, 351143, 351144, 351145, 351146, 351147, 351148, 375924.
Chaerephon russatus J.A. Allen, 1917:
MCZ: 59893.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 66234.
Eptesicus hottentotus (A. Smith, 1833):
CM: 89000. - **USNM:** 375919.
Hipposideros caffer (Sundevall, 1846):
CAS: 11948. - **FMNH:** 152617, 152618, 152619, 152620. - **ROM:** 35683, 36319, 77861, 77862, 77863, 77869, 77870. - **USNM:** 350907, 350968.
Hipposideros megalotis (Heuglin, 1861):
WAM: M16563.
Hipposideros ruber (Noack, 1893):
MCZ: 48888. - **USNM:** 350965, 350966.
Kerivoula lanosa (A. Smith, 1847):
LACM: 19475, 19476.
Miniopterus africanus Sanborn, 1936:
ROM: 68458, 68460.
Miniopterus natalensis (A. Smith, 1833):
ROM: 68457, 68459, 73237. - **USNM:** 162104, 162105, 166539, 166540, 166591, 166592, 166593, 166594. - **WNMU:** 380.
Mops (Mops) condylurus (A. Smith, 1833):
MCZ: 48889. - **ROM:** 36473, 36477, 36478, 36479, 36480, 36481, 36482, 36483, 41886, 41887, 41888, 73137, 73138, 75984.
Myotis tricolor (Temminck, 1832):
ROM: 56359, 56382.
Nycteris hispida (Schreber, 1774):
WAM: M16543.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 67884. - **ROM:** 36283. - **USNM:** 350866, 350867, 350868, 350869.
Pipistrellus hesperidus (Temminck, 1840):
CM: 98025, 98026, 98027.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
BMNH: 1901.8.9.96. - **USNM:** 162108, 172900.
Rhinolophus Lacépède, 1799:
MCZ: 48886, 48887.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 350899, 350900, 350901, 350902.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 56384. - **USNM:** 162090, 162091, 162092, 162093, 162094, 162095, 162096, 162097, 162098, 162099, 166350, 166351, 166353, 166364, 166368, 166369, 166370, 166371, 166372, 166373, 166383, 166384, 166385, 166386, 166387.
Rhinolophus fumigatus Rüppell, 1842:
CAS: 11944.
Rhinolophus lobatus Peters, 1852:
CAS: 11936, 11937, 11938, 11939, 11940, 11941, 11942, 11943. - **FMNH:** 152590, 152593, 152594. - **ROM:** 36308, 36309, 36310, 36311, 36312, 36313, 41909, 41910, 48511, 48512, 48513, 66235, 77802, 77803, 77804, 77805, 77806, 77807, 77809, 77810, 77811, 91166. - **USNM:** 162100, 350904, 350905, 350906, 350908, 350909, 350910, 350911, 350912, 350913, 350914, 350915, 350916, 350917, 350918, 350919

SE 00036Da:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 73373, 73374, 73375, 73376, 73377, 73378, 73379, 73380.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 73382, 73383.

Rhinolophus clivosus Cretzschmar, 1828:
CAS: 11929, 11930, 11931, 11946.
Scotophilus dinganii (A. Smith, 1833):
ROM: 73381

SE 00036Dc:

Hipposideros caffer (Sundevall, 1846):
FMNH: 18426. - **USNM:** 166394.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 119461, 36849. - **FMNH:** 17214, 17215, 17216, 17217, 17218, 17219, 17220, 21283, 21284, 21285, 21286.
Rhinolophus clivosus Cretzschmar, 1828:
ZMA: MAM.21661.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 190292, 190293, 190294, 190295.
Rhinolophus lobatus Peters, 1852:
FMNH: 44160, 44161. - **USNM:** 166374, 166376, 166377, 166378, 166379, 166380, 166381

SE 00036Bb:

Pipistrellus hesperidus (Temminck, 1840):
YPM: MAM 003446, MAM 003447

SE 00036Bd:

Epomophorus wahlbergi (Sundevall, 1846):
ROM: 71118, 71119, 71120, 71121, 71122.
Laephotis wintoni Thomas, 1901:
HZM: 1.3020, 2.2030.
Myotis bocagii bocagii (Peters, 1870):
ROM: 48724.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 48683.
Rhinolophus fumigatus Rüppell, 1842:
CAS: 11932

SE 00036Db:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 73349, 73350, 73351, 73352, 73353, 73354, 73355, 73356, 73357, 73358, 73359, 73360, 73361, 73362, 73363.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 73364, 73365, 73366, 73367, 73368, 73369, 73370, 73371, 73372

SE 00037Aa:

Hipposideros caffer (Sundevall, 1846):
USNM: 166389.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 54410, 54411. - **MCZ:** 16094, 16095.
Miniopterus africanus Sanborn, 1936:
MMU: PWW2738, PWW2739, PWW2772, PWW2773, PWW2774, PWW2775, PWW2776, PWW2777, PWW2778, PWW2779, PWW2780, PWW2782.
Miniopterus natalensis (A. Smith, 1833):
MMU: PWW2761, PWW2762, PWW2763, PWW2764, PWW2765, PWW2766, PWW2767, PWW2768, PWW2769, PWW2770, PWW2771, PWW2781, PWW2783. - **USNM:** 181811.
Myotis tricolor (Temminck, 1832):
MMU: PWW2737.
Neoromicia helios (Heller, 1912):
BMNH: 1939.133.
Neoromicia nana (Peters, 1852):
USNM: 184337.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 81258.
Rhinolophus clivosus Cretzschmar, 1828:
MMU: PWW2735, PWW2736.
Rhinolophus eloquens K. Andersen, 1905:
USNM: 182665, 182666, 182667, 182668

SE 00037Ca:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 164017, 164018, 164019, 164020, 166669, 166689, 166690, 582221.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 38372, 38373, 38376.

Epomops franqueti (Tomes, 1860):
ROM: 38370.
Myotis bocagii (Peters, 1870):
ROM: 91209.
Myotis bocagii bocagii (Peters, 1870):
BMNH: 1903.3.2.2.
Neoromicia nana (Peters, 1852):
ROM: 38368

SE 00037Cc:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 68378, 68379, 68380, 68381, 68382, 68383, 68384, 68385, 68386, 68387, 68388, 68389, 68390, 68391, 68392, 68393, 68394, 68395, 68396, 68397, 68398, 68399, 68400, 68401, 68402, 68403, 68404, 68405, 68406, 68407, 68408, 68409, 68410, 68411.
Platymops setiger (Peters, 1878):
BMNH: 1975.2807, 1975.2807_1, 1975.2807_2, 1975.2808

SE 00037Ab:

Cardioderma cor (Peters, 1872):
ROM: 46937, 46938, 46939, 46940, 46941, 46942, 46943.
Chaerephon pumilus (Cretzschmar, 1826):
SMF: 19984.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1951.696.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 166352

SE 00037Ad:

Scotoecus hindei Thomas, 1901:
ROM: 38290

SE 00037Cb:

Miniopterus natalensis (A. Smith, 1833):
FMNH: 199741

SE 00037Da:

Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1904.2.4.1.
Nycteris hispida (Schreber, 1774):
BMNH: 1902.7.6.3, 1904.2.4.4, 1904.2.4.5, 1904.2.4.6, 1905.6.2.2, 1905.6.2.3, 1905.6.2.4.
Nycteris macrotis Dobson, 1876:
BMNH: 1903.3.2.1.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1902.7.6.11, 1902.7.6.12. - **ROM:** 66030

SE 00037Bd:

Neoromicia capensis (A. Smith, 1829):
USNM: 350978.
Nycteris hispida (Schreber, 1774):
ROM: 38292, 38293.
Scotoecus hirundo (de Winton, 1899):
USNM: 350997

SE 00037Dd:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ROM: 68188

SE 00038Ac:

Epomophorus labiatus (Temminck, 1837):
MCZ: 16082, 16083.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 16089

SE 00038Cc:

Coleura afra (Peters, 1852):
AMNH: 187345, 187346, 187347, 187348, 187349, 187350

SE 00038Cd:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 100094, 100095, 100096.
Epomophorus labiatus (Temminck, 1837):
CUMV: 14511.
Epomophorus wahlbergi (Sundevall, 1846):
LACM: 36058, 36059.
Miniopterus inflatus inflatus Thomas, 1903:
CUMV: 13661.
Myotis bocagii (Peters, 1870):
ROM: 88223.
Neoromicia nana (Peters, 1852):
CUMV: 13636, 13637, 13638. - **RMCA:** 35583, 35584, 35585, 35586, 38554, 38555, 38556, 38557, 38558, 38559. - **ROM:** 88224, 88225, 88237, 98984, 98985, 98993, 98994, 98995, 99007, 99008, 99009, 99010, 99011, 99012, 99013, 99014, 99015, 99016.
Nycteris hispida (Schreber, 1774):
ROM: 100077.
Otomops Thomas, 1913:
RMCA: 35264

SE 00039Bc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 351270, 351271, 351272, 351273.
Epomophorus wahlbergi (Sundevall, 1846):
LACM: 19535

SE 00039Dd:

Cardioderma cor (Peters, 1872):
ROM: 77925, 78018, 78019. - **USNM:** 350874

SE 00041Da:

Neoromicia somalica (Thomas, 1901):
CM: 85342, 85343

SE 00042Bc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 67867, 67870.
Nycteris macrotis Dobson, 1876:
BMNH: 1950.1835, 1950.1854

SE 01005Bc:

Eidolon helvum (Kerr, 1792):
SMF: 6356

SE 01009Ab:

Epomophorus wahlbergi (Sundevall, 1846):
MNHN: ZM-MO-1950-877.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1950-878.
Macronycteris gigas (Wagner, 1845):
MNHN: ZM-MO-1950-876.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1950-825

SE 01009Cb:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 73812. - **USNM:** 218490, 218950, 218951, 218952, 218953, 218954, 218955, 218956, 218957, 218958, 218959, 218960, 218961, 218962, 218963, 218964, 218965, 218966, 218967, 218968, 218969, 218970, 218971, 218972, 218973, 218974, 218975, 218976, 218977, 218978, 219070, 219071, 219072, 219073, 219074, 219075, 219076, 219077, 219078, 219079, 219080, 219081, 219082, 220869, 220893, 220898.

Hypsignathus monstrosus H. Allen, 1862:
USNM: 220894.
Myonycteris torquata (Dobson, 1878):
USNM: 220895.
Neoromicia tenuipinnis (Peters, 1872):
USNM: 220897, 220899, 220902.
Nycteris hispida (Schreber, 1774):
USNM: 218491, 219084, 220896

SE 01009Cd:

Epomophorus wahlbergi (Sundevall, 1846):
USNM: 220871, 220917.
Epomops franqueti (Tomes, 1860):
USNM: 220868, 220870

SE 01009Da:

Doryrhina cyclops (Temminck, 1853):
USNM: 220900, 220901

SE 01009Dd:

Epomophorus gambianus (Ogilby, 1835):
USNM: 584832, 584833.
Epomops franqueti (Tomes, 1860):
USNM: 584682, 584683, 584684, 584685, 584686, 584687, 584688, 584689, 584690, 584964.
Glauconycteris beatrix Thomas, 1901:
USNM: 584723.
Glauconycteris curryae Eger and Schlitter, 2001:
USNM: 584724.
Hipposideros caffer (Sundevall, 1846):
USNM: 584718, 584719.
Hypsignathus monstrosus H. Allen, 1862:
USNM: 584691.
Kerivoula phalaena Thomas, 1912:
USNM: 585055.
Macronycteris gigas (Wagner, 1845):
USNM: 584720.
Megaloglossus woermanni Pagenstecher, 1885:
USNM: 584692, 584693, 584694, 584695, 584696, 584697, 584698, 584835.
Micropteropus pusillus (Peters, 1868):
USNM: 584836, 584837.
Myonycteris torquata (Dobson, 1878):
USNM: 584699, 584700, 584701, 584702, 584703, 584704, 584705, 584706, 584707, 584708, 584709, 584710, 584711, 584712, 584713, 584714, 584715, 584838, 584839, 584840, 584841, 584842, 584843.
Nanonycteris veldkampii (Jentink, 1888):
USNM: 584845.
Neoromicia brunnea (Thomas, 1880):
USNM: 584725, 584726.
Nycteris arge Thomas, 1903:
USNM: 584721.
Nycteris grandis Peters, 1865:
USNM: 584722.
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
USNM: 584716, 584717

SE 01010Dc:

Rhinolophus landeri Martin, 1838:
FMNH: 73826

SE 01011Cc:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1949-308.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1947-858, ZM-MO-1948-484, ZM-MO-1948-485, ZM-MO-1949-309.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1948-487.
Macronycteris gigas (Wagner, 1845):
MNHN: ZM-MO-1949-512.
Neoromicia tenuipinnis (Peters, 1872):
FMNH: 73835, 73836, 73837. - **MNHN:** ZM-MO-1947-859, ZM-MO-1948-488.

Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1948-486.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 73822, 73823, 73824

SE 01013Da:

Epomophorus Bennett, 1836:
EBD: MAM 8809, MAM 8810, MAM 8811, MAM 8812.
Epomophorus wahlbergi (Sundevall, 1846):
MNHN: ZM-MO-1884-583.
Epomops franqueti (Tomes, 1860):
EBD: MAM 8814.
Kerivoula lanosa (A. Smith, 1847):
MNHN: ZM-2006-143.
Micropteropus pusillus (Peters, 1868):
EBD: MAM 18274, MAM 18275, MAM 18276, MAM 18277, MAM 18278, MAM 18279, MAM 18280. - **MNHN:** ZM-MO-1884-582.
Myopterus whitleyi (Scharff, 1900):
MNHN: ZM-MO-1892-222.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1886-1697

SE 01016Bb:

Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 73864

SE 01017Aa:

Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 86949.
CHIROPTERA Blumenbach, 1779:
AMNH: 80958, 80959, 80960.
Doryrhina cyclops (Temminck, 1853):
AMNH: 86858, 86863, 86866, 86909.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 86758, 86759, 86760, 86879.
Epomops franqueti (Tomes, 1860):
AMNH: 86765, 86906.
Glauconycteris alboguttata J.A. Allen, 1917:
RMCA: 12175.
Hipposideros ruber (Noack, 1893):
AMNH: 86772, 86773, 86774, 86775, 86776, 86881, 86918, 86919, 86920, 86921, 86922, 86923, 86924, 86925, 86926, 86928, 86929, 86930, 86931.
Hypsignathus monstrosus H. Allen, 1862:
AMNH: 80957, 86761, 86762, 86763, 86764, 86946, 86947. - **RMCA:** 11736, 7038.
Hypsugo cf. eisentrauti Hill, 1968:
AMNH: 86916, 86917.
Kerivoula phalaena Thomas, 1912:
AMNH: 86932.
Megaloglossus woermanni Pagenstecher, 1885:
AMNH: 86771, 86908.
Micropteropus pusillus (Peters, 1868):
AMNH: 86862, 86905.
Neoromicia brunnea (Thomas, 1880):
AMNH: 86933.
Neoromicia nana (Peters, 1852):
RMCA: 7039.
Neoromicia somalica (Thomas, 1901):
AMNH: 86927.
Neoromicia tenuipinnis (Peters, 1872):
AMNH: 86914. - **RMCA:** 11735, 16182.
Nycteris arge Thomas, 1903:
AMNH: 86769, 86770, 86864, 86865, 86867, 86910, 86911, 86912, 86913. - **RMCA:** 12176.
Rhinolophus alcyone Temminck, 1853:
AMNH: 86880.
Saccolaimus peli (Temminck, 1853):
AMNH: 86768, 86902, 86903, 86904, 86915

SE 01018Ca:

Neoromicia nana (Peters, 1852):
RMCA: 5388

SE 01018Cd:

Hypsignathus monstrosus H. Allen, 1862:
RMCA: 18124

SE 01018Bd:

Nycteris arge Thomas, 1903:
BMNH: 1927.3.1.18

SE 01020Ad:

Casinycteris argynnis Thomas, 1910:
RMCA: 91.076-M-0079, 91.076-M-0080, 92.079-M-0072, 92.079-M-0073, 92.079-M-0074, 92.079-M-0075.
Epomophorus gambianus (Ogilby, 1835):
RMCA: 91.076-M-0060.
Glauconycteris argentata (Dobson, 1875):
RMCA: 89.020-M-0048.
Glauconycteris beatrix Thomas, 1901:
RMCA: 89.020-M-0044, 91.076-M-0052, 91.076-M-0057, 91.076-M-0058, 91.076-M-0074, 91.076-M-0076.
Hipposideros ruber (Noack, 1893):
RMCA: 89.020-M-0038, 91.076-M-0048, 91.076-M-0101, 91.076-M-0110, 92.079-M-0076, 92.079-M-0077, 92.079-M-0078, 92.079-M-0079, 92.079-M-0149.
Kerivoula cuprosa Thomas, 1912:
RMCA: 87.043-M-0006.
Kerivoula phalaena Thomas, 1912:
RMCA: 92.079-M-0152.
Kerivoula smithii Thomas, 1880:
RMCA: 91.076-M-0041.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 91.076-M-0056, 91.076-M-0063, 91.076-M-0072, 91.076-M-0073, 91.076-M-0078, 92.079-M-0014, 92.079-M-0015, 92.079-M-0016, 92.079-M-0017, 92.079-M-0018, 92.079-M-0019, 92.079-M-0020, 92.079-M-0021, 92.079-M-0022, 92.079-M-0023, 92.079-M-0024, 92.079-M-0025, 92.079-M-0125, 92.079-M-0126.
Mimetillus moloneyi (Thomas, 1891):
RMCA: 88.005-M-0001, 88.005-M-0002, 88.005-M-0007, 89.020-M-0045, 92.079-M-0036, 92.079-M-0037, 92.079-M-0038, 92.079-M-0039, 92.079-M-0040, 92.079-M-0041, 92.079-M-0123, 92.079-M-0124.
Myonycteris torquata (Dobson, 1878):
RMCA: 89.020-M-0039, 91.076-M-0020, 91.076-M-0065, 91.076-M-0082, 91.076-M-0098, 91.076-M-0100, 92.079-M-0063, 92.079-M-0064, 92.079-M-0065, 92.079-M-0066, 92.079-M-0067, 92.079-M-0068, 92.079-M-0069, 92.079-M-0070.
Myotis bocagii (Peters, 1870):
RMCA: 91.076-M-0028, 91.076-M-0055, 91.076-M-0083, 91.076-M-0099, 91.076-M-0104, 91.076-M-0107, 91.076-M-0111, 91.076-M-0113, 92.079-M-0026, 92.079-M-0027, 92.079-M-0028, 92.079-M-0029, 92.079-M-0030, 92.079-M-0031, 92.079-M-0032, 92.079-M-0057, 92.079-M-0058, 92.079-M-0059, 92.079-M-0060, 92.079-M-0061, 92.079-M-0062, 92.079-M-0116, 92.079-M-0140, 92.079-M-0141, 92.079-M-0142, 92.079-M-0143, 92.079-M-0144, 92.079-M-0145, 92.079-M-0146, 92.079-M-0147, 92.079-M-0148.
Neoromicia capensis (A. Smith, 1829):
RMCA: 88.005-M-0003, 88.005-M-0014, 89.020-M-0046.
Neoromicia nana (Peters, 1852):
RMCA: 88.005-M-0004, 88.005-M-0005, 88.005-M-0006, 88.005-M-0013, 88.005-M-0015, 89.020-M-0047, 91.076-M-0001, 91.076-M-0015, 91.076-M-0030, 91.076-M-0042, 91.076-M-0043, 91.076-M-0049, 91.076-M-0050, 91.076-M-0053, 91.076-M-0054, 91.076-M-0062, 91.076-M-0066, 91.076-M-0068, 91.076-M-0069, 91.076-M-0070, 91.076-M-0071, 91.076-M-0084, 91.076-M-0085, 91.076-M-0087, 91.076-M-0088, 91.076-M-0089, 91.076-M-0091, 91.076-M-0093, 91.076-M-0094, 91.076-M-0095, 91.076-M-0096, 91.076-M-0097, 91.076-M-0103, 91.076-M-0105, 91.076-M-0108, 91.076-M-0112, 92.079-M-0004, 92.079-M-0005, 92.079-M-0006, 92.079-M-0007, 92.079-M-0008, 92.079-M-0009, 92.079-M-0010, 92.079-M-0011, 92.079-M-0012, 92.079-M-0013, 92.079-M-0044, 92.079-M-0045, 92.079-M-0046, 92.079-M-0047, 92.079-M-0048, 92.079-M-0049, 92.079-M-0050, 92.079-M-0051, 92.079-M-0052, 92.079-M-0053, 92.079-M-0054, 92.079-M-0055, 92.079-M-0056, 92.079-M-0071, 92.079-M-0080, 92.079-M-0081, 92.079-M-0082, 92.079-M-0083, 92.079-M-0084, 92.079-M-0085, 92.079-M-0086, 92.079-M-0087, 92.079-M-0088, 92.079-M-0089, 92.079-M-0090, 92.079-M-0091, 92.079-M-0092, 92.079-M-0093, 92.079-M-0094, 92.079-M-0095, 92.079-M-0096, 92.079-M-0097, 92.079-M-0098, 92.079-M-0099, 92.079-M-0100, 92.079-M-0101, 92.079-M-0102, 92.079-M-0105, 92.079-M-0106, 92.079-M-0107, 92.079-M-0108, 92.079-M-0109, 92.079-M-0127, 92.079-M-0128, 92.079-M-0129, 92.079-M-0130, 92.079-M-0131, 92.079-M-0132, 92.079-M-0133, 92.079-M-0134, 92.079-M-0135, 92.079-M-0136, 92.079-M-0137, 92.079-M-0138, 92.079-M-0139, 92.079-M-0153, 92.079-M-0154.
Nycteris arge Thomas, 1903:
RMCA: 87.043-M-0005, 88.005-M-0008, 89.020-M-0040, 89.020-M-0041, 89.020-M-0043, 91.076-M-0007, 91.076-M-0014, 91.076-M-0059, 91.076-M-0081, 91.076-M-0092, 92.079-M-0034, 92.079-M-0035, 92.079-M-0112, 92.079-M-0113, 92.079-M-0114, 92.079-M-0115, 92.079-M-0117.
Nycteris grandis Peters, 1865:
RMCA: 88.005-M-0009, 91.076-M-0102, 91.076-M-0106, 91.076-M-0109, 92.079-M-0033, 92.079-M-0110.
Nycteris hispida (Schreber, 1774):
RMCA: 91.076-M-0090, 92.079-M-0111.
Nycteris nana (K. Andersen, 1912):
RMCA: 89.020-M-0042, 92.079-M-0118.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 91.076-M-0086, 92.079-M-0001, 92.079-M-0002, 92.079-M-0003, 92.079-M-0119, 92.079-M-0120, 92.079-M-0121, 92.079-M-0122, 92.079-M-0151.

VESPERTILIONOIDEA Gray, 1821:
RMCA: 92.079-M-0042, 92.079-M-0043, 92.079-M-0103, 92.079-M-0104, 92.079-M-0150

SE 01020Dd:

Epomops franqueti (Tomes, 1860):
RMCA: 22186, 22187

SE 01022Bb:

Epomops franqueti (Tomes, 1860):
RMCA: 27174, 31717.
Neoromicia nana (Peters, 1852):
RMCA: 27164, 27165, 27167, 27168, 27170, 27171, 27173.
Nycteris arge Thomas, 1903:
RMCA: 27163.
VESPERTILIONIDAE Gray, 1821:
RMCA: 27166.
VESPERTILIONOIDEA Gray, 1821:
RMCA: 27169, 27172

SE 01023Ac:

Nycteris grandis Peters, 1865:
RMCA: 88.011-M-0013

SE 01023Ab:

Epomops franqueti (Tomes, 1860):
RMCA: 27016.
Glauconycteris argentata (Dobson, 1875):
BMNH: 1959.510. - **RMCA:** 25827, 25832, 25833, 25834, 27022.
Hipposideros ruber (Noack, 1893):
RMCA: 25829, 25831, 27021.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 27017.
Neoromicia nana (Peters, 1852):
RMCA: 27023, 27024.
Nycteris arge Thomas, 1903:
RMCA: 25830, 27020.
Nycteris hispida (Schreber, 1774):
RMCA: 25826, 25828.
Saccolaimus peli (Temminck, 1853):
RMCA: 17907, 17908.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 27018, 27019

SE 01025Ac:

Casinycteris argynnis Thomas, 1910:
UNIKIS: TLL354, TLL356, TLL357, TLL358, TLL359, TLL363, TLL375, TLL376, TLL377, TLL385.
Doryrhina cyclops (Temminck, 1853):
UNIKIS: TLL361, TLL364, TLL365, TLL366.
Epomops franqueti (Tomes, 1860):
UNIKIS: TLL351, TLL352, TLL353, TLL355, TLL360, TLL362, TLL372, TLL373, TLL378, TLL379, TLL380, TLL394, TLL416.
Hipposideros Gray, 1831:
UNIKIS: TLL390, TLL393.
Hipposideros caffer (Sundevall, 1846):
UNIKIS: TLL386, TLL387, TLL388, TLL389.
Hipposideros ruber (Noack, 1893):
UNIKIS: TLL374.
Megaloglossus woermanni Pagenstecher, 1885:
UNIKIS: TLL381, TLL382, TLL383, TLL384.
Myotis bocagii (Peters, 1870):
UNIKIS: TLL367, TLL368, TLL369, TLL370, TLL371, TLL391, TLL395, TLL396, TLL397, TLL398, TLL399, TLL400

SE 01027Ab:

Hipposideros ruber (Noack, 1893):
RMCA: 27446, 27447, 27448, 27449, 27450. - **SMF:** 22298, 22299.
Myotis bocagii (Peters, 1870):
RMCA: 27467.
Nycteris arge Thomas, 1903:
RMCA: 27436, 27437, 27438, 27439

SE 01027Bd:

Hipposideros ruber (Noack, 1893):
RMCA: 28903.
Nycteris hispida (Schreber, 1774):
RMCA: 33531

SE 01028Ac:

Megaloglossus woermanni Pagenstecher, 1885:
ZMA: MAM.24566.
Saccolaimus peli (Temminck, 1853):
USNM: 260135

SE 01028Ca:

Hipposideros Gray, 1831:
ZMA: MAM.24187, MAM.24188.
Hipposideros ruber (Noack, 1893):
ZMA: MAM.24186.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
INPBC: W551

SE 01028Ab:

Epomophorus Bennett, 1836:
INPBC: V1257.1.
Epomophorus labiatus (Temminck, 1837):
RMCA: 37114.
Neoromicia nana (Peters, 1852):
INPBC: W1256.1, W1256.2, W1256.3, W1256.4, W610, W750. - **RMCA:** 37183, 37278, 37279, 37280

SE 01028Cb:

Hipposideros Gray, 1831:
ZMA: MAM.24553.
Hipposideros ruber (Noack, 1893):
RMCA: 22736, 22737, 22738, 22739. - **ZMA:** MAM.24550, MAM.24551, MAM.24552, MAM.24554, MAM.24555, MAM.24556.
Saccolaimus peli (Temminck, 1853):
FMNH: 30707, 30708

SE 01028Cd:

Casinycteris argynnis Thomas, 1910:
RMCA: 27430. - **SMF:** 64988, 64989, 64990, 64991, 64992, 64993, 64994, 64995, 64996, 64997, 64998, 64999, 65000, 65046, 65052. - **ZMA:** MAM.24193, MAM.24194, MAM.24558, MAM.24559.
Chaerephon pumilus (Cretzschmar, 1826):
SMF: 65039.
Epomops franqueti (Tomes, 1860):
SMF: 31834, 31835. - **ZMA:** MAM.24190, MAM.24191, MAM.24192, MAM.24561.
Glauconycteris beatrix Thomas, 1901:
BMNH: 1962.1847, 1963.1172. - **RMNH:** MAM.16362, MAM.16363. - **SMF:** 7940, 79439, 79440.
Glauconycteris humeralis J.A. Allen, 1917:
SMF: 64984, 64985, 64986.
Glauconycteris poensis (Gray, 1842):
SMF: 64987.
Hipposideros Gray, 1831:
ZMA: MAM.24182, MAM.24183, MAM.24184.
Hipposideros ruber (Noack, 1893):
BMNH: 1956.465. - **RMCA:** 23749, 25872, 25873, 25874, 27440, 27441, 27443, 27444, 27445, 28037, 28381, 28382, 28383, 28384. - **ZMA:** MAM.24180, MAM.24181, MAM.24185.
Hypsugo crassulus (Thomas, 1904):
SMF: 65011, 65012, 79441, 79442, 79443.
Kerivoula phalaena Thomas, 1912:
SMF: 65005.
Megaloglossus woermanni Pagenstecher, 1885:
SMF: 65001, 65002, 65003, 65004. - **ZMA:** MAM.24195, MAM.24196.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
SMF: 65027. - **ZMA:** MAM.24560.
Myonycteris torquata (Dobson, 1878):
SMF: 65030. - **ZMA:** MAM.24568.
Myotis bocagii (Peters, 1870):
SMF: 65032, 65033.

Neoromicia nana (Peters, 1852):
RMCA: 27473. - **RMNH:** MAM.16372. - **SMF:** 65013, 65014, 65015, 65016, 65017, 65018, 65019, 65020, 65021, 65022, 65023, 65024.
Nycteris arge Thomas, 1903:
BMNH: 1962.1851, 1962.1852. - **RMCA:** 28380. - **SMF:** 65029, 78331.
Nycteris grandis Peters, 1865:
SMF: 65028. - **ZMA:** MAM.24177, MAM.24178, MAM.24179.
Nycteris hispida (Schreber, 1774):
RMNH: MAM.16365.
Nycteris nana (K. Andersen, 1912):
RMNH: MAM.16366.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
RMNH: MAM.26325. - **SMF:** 65006, 65007, 65008, 65009, 65010. - **ZMA:** MAM.24197

SE 01028Dc:

Epomops franqueti (Tomes, 1860):
ZMA: MAM.24562, MAM.24563.
Hipposideros ruber (Noack, 1893):
RMCA: 27442

SE 01028Bd:

Epomophorus wahlbergi (Sundevall, 1846):
ZMA: MAM.24349, MAM.24350, MAM.24351.
Hipposideros ruber (Noack, 1893):
ZMA: MAM.24352, MAM.24353.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 35112.
Stenonycteris lanosus (Thomas, 1906):
ZMA: MAM.24344, MAM.24345, MAM.24346, MAM.24347

SE 01028Dd:

Epomophorus crypturus Peters, 1852:
RMCA: 36245, 38569.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 36244.
Epomops franqueti (Tomes, 1860):
RMCA: 36220, 36222, 36223, 38563, 38572, 38587

SE 02028Bb:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-855.
Epomophorus labiatus (Temminck, 1837):
FMNH: 189290.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1985-278, ZM-MO-1985-279.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
SMF: 31818, 31819, 31820.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-1065, ZM-MO-1985-1070, ZM-MO-1985-1071, ZM-MO-1985-1072, ZM-MO-1985-1073, ZM-MO-1985-1074, ZM-MO-1985-1075, ZM-MO-1985-1076, ZM-MO-1985-1077, ZM-MO-1985-1078, ZM-MO-1985-1079.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 189123.
Nycteris hispida (Schreber, 1774):
RBINS: 14462

SE 01029Ca:

Eidolon helvum (Kerr, 1792):
ZMA: MAM.24139.
Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-MO-1975-1066.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1911-1019 A. - **RBINS:** 15453.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 15461.
Neoromicia nana (Peters, 1852):
RBINS: 4761, 4762. - **RMCA:** 16635, 16636, 16637.
Nycteris hispida (Schreber, 1774):
RBINS: 14457, 14458.

Rhinolophus Lacépède, 1799:
RBINS: 10548

SE 01029Cc:

Neoromicia nana (Peters, 1852):
RMCA: 28916, 28917

SE 02029Aa:

Chaerephon ansorgei (Thomas, 1913):
MCZ: 46156.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 171630, 171717.
Hipposideros caffer (Sundevall, 1846):
MCZ: 46090.
Neoromicia nana (Peters, 1852):
MCZ: 46157.
Rhinolophus lobatus Peters, 1852:
MCZ: 46096.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MCZ: 46154, 46155

SE 01029Ab:

Chaerephon bemmeleni (Jentink, 1879):
RMCA: 13826.
Epomophorus Bennett, 1836:
INPBC: V1634.
Epomophorus labiatus (Temminck, 1837):
AMNH: 82378. - **FMNH:** 26497, 30578. - **INPBC:** V125, V1310, V1382.2, V1386.2, V1387, V1423, V1525.2, V1574, V1592, V1641, V397, V398, V408, V411, W618. - **RBINS:** 4786, 4787. - **RMCA:** 13825, 13867, 17082.
Epomophorus minor Dobson, 1880:
INPBC: W1515. - **RBINS:** 4788.
Epomophorus wahlbergi (Sundevall, 1846):
INPBC: V1346, V1636.2.
Epomops franqueti (Tomes, 1860):
INPBC: V1626. - **RMCA:** 37115.
Glauconycteris argentata (Dobson, 1875):
INPBC: V1599.
Hipposideros caffer (Sundevall, 1846):
INPBC: V124, V1344, V1351, V1637.01, V1637.02, V1637.03, V1637.04, V1637.05, V1637.06, V1637.07, V1637.08, V1637.09, V1637.10, V1637.11, V1637.12, V414, W1006, W26.
Hipposideros ruber (Noack, 1893):
AMNH: 82395. - **MCZ:** 23378, 23379, 25057.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 4773.
Miniopterus fraterculus Thomas and Schwann, 1906:
INPBC: V1228.1, V1228.2, V1228.3, V1228.4.
Myonycteris angolensis (Bocage, 1898):
INPBC: V1235. - **RMCA:** 14597.
Myotis bocagii (Peters, 1870):
INPBC: W875.1.
Myotis welwitschii (Gray, 1866):
INPBC: V1240.2, V1819.3.1, V1819.3.2. - **RBINS:** 4789.
Neoromicia Roberts, 1926:
INPBC: V1397.2.
Neoromicia nana (Peters, 1852):
FMNH: 26499, 30669, 30670, 30671. - **INPBC:** V121, V1248, V1348, V1349, V1350.2, V1352.1, V1352.2, V1353.1, V1355, V1357, V1358, V1366, V1368, V1369, V1370, V1372, V1373, V1374, V1376, V1377, V1378, V1379, V1380, V1382.1, V1383, V1384, V1385, V1386.1, V1388, V1390, V1391, V1392, V1393, V1394, V1395, V1396, V1398, V1400, V1401, V1404, V1405, V1420.1, V1421, V1424, V1425, V1428, V1522.1, V1527, V1528, V1530, V1531, V1594.001, V1594.002, V1594.003, V1594.004, V1594.005, V1594.006, V1594.007, V1594.008, V1594.009, V1594.010, V1594.011, V1594.012, V1594.013, V1594.014, V1594.015, V1594.016, V1594.017, V1594.018, V1594.019, V1594.020, V1594.021, V1594.022, V1594.023, V1594.024, V1594.025, V1594.026, V1594.027, V1594.028, V1594.029, V1594.030, V1594.031, V1594.032, V1594.033, V1594.034, V1594.035, V1594.036, V1594.037, V1594.038, V1594.039, V1594.040, V1594.041, V1594.042, V1594.043, V1594.044, V1594.045, V1594.046, V1594.047, V1594.048, V1594.049, V1594.050, V1594.051, V1594.052, V1594.053, V1594.054, V1594.055, V1594.056, V1594.057, V1594.058, V1594.059, V1594.060, V1594.061, V1594.062, V1594.063, V1594.064, V1594.065, V1594.066, V1594.067, V1594.068, V1594.069, V1594.070, V1594.071, V1594.072, V1594.073, V1594.074, V1594.075, V1594.076, V1594.077, V1594.078, V1594.079, V1594.080, V1594.081, V1594.082, V1594.083, V1594.084, V1594.085, V1594.086, V1594.087, V1594.088, V1594.089, V1594.090, V1594.091, V1594.092, V1594.093, V1594.094, V1594.095, V1594.096, V1594.097, V1594.098, V1594.099, V1594.100, V1594.101, V1594.102, V1594.103, V1594.104, V1594.105, V1594.106, V1594.107, V1594.108, V1594.109, V1594.110, V1594.111, V1594.112, V1594.113, V1594.114, V1594.115, V1594.116, V1594.117, V1594.118, V1594.119, V1594.120, V1594.121, V1594.122, V1594.123, V1594.124, V1594.125, V1594.126, V1594.127, V1594.128, V1594.129, V1594.130, V1594.131, V1594.132, V1594.133,

V1594.134, V1594.135, V1594.136, V1594.137, V1594.138, V1594.139, V1594.140, V1594.141, V1594.142, V1594.143, V1594.144, V1594.145, V1594.146, V1594.147, V1594.148, V1594.149, V1594.150, V1594.151, V1594.152, V1594.153, V1594.154, V1594.155, V1594.156, V1594.157, V1594.158, V1594.159, V1594.160, V1594.161, V1594.162, V1594.163, V1594.164, V1594.165, V1594.166, V1594.167, V1594.168, V1594.169, V1594.170, V1594.171, V1594.172, V1594.173, V1594.174, V1594.175, V1594.176, V1594.177, V1594.178, V1594.179, V1594.180, V1594.181, V1594.182, V1594.183, V1594.184, V1594.185, V1594.186, V1594.187, V1594.188, V1594.189, V1594.190, V1594.191, V1594.192, V1594.193, V1594.194, V1594.195, V1594.196, V1594.197, V1594.198, V1594.199, V1594.200, V1594.201, V1594.202, V1594.203, V1594.204, V1594.205, V1594.206, V1594.207, V1594.208, V1594.209, V1594.210, V1594.211, V1594.212, V1594.213, V1594.214, V1594.215, V1594.216, V1594.217, V1594.218, V1594.219, V1594.220, V1594.221, V1594.222, V1594.223, V1594.224, V1594.225, V1594.226, V1594.227, V1594.228, V1594.229, V1594.230, V1594.231, V1594.232, V1594.233, V1594.234, V1594.235, V1594.236, V1594.237, V1594.238, V1594.239, V1594.240, V1594.241, V1594.242, V1594.243, V1594.244, V1594.245, V1594.246, V1594.247, V1594.248, V1594.249, V1594.250, V1594.251, V1594.252, V1594.253, V1594.254, V1594.255, V1594.256, V1594.257, V1594.258, V1594.259, V1594.260, V1594.261, V1594.262, V1594.263, V1594.264, V1594.265, V1594.266, V1594.267, V1594.268, V1594.269, V1594.270, V1594.271, V1594.272, V1594.273, V1594.274, V1594.275, V1594.276, V1594.277, V1594.278, V1594.279, V1594.280, V1594.281, V1594.282, V1594.283, V1594.284, V1594.285, V1594.286, V1594.287, V1594.288, V1594.289, V1594.290, V1594.291, V1594.292, V1594.293, V1594.294, V1594.295, V1594.296, V1594.297, V1594.298, V1594.299, V1594.300, V1594.301, V1594.302, V1594.303, V1594.304, V1594.305, V1594.306, V1594.307, V1594.308, V1594.309, V1594.310, V1594.311, V1594.312, V1594.313, V1594.314, V1594.315, V1594.316, V1594.317, V1594.318, V1594.319, V1594.320, V1594.321, V1594.322, V1594.323, V1594.324, V1594.325, V1594.326, V1594.327, V1594.328, V1594.329, V1594.330, V1594.331, V1594.332, V1594.333, V1594.334, V1594.335, V1594.336, V1594.337, V1594.338, V1594.339, V1594.340, V1594.341, V1594.342, V1594.343, V1594.344, V1594.345, V371, V377, W1007.01, W1007.02, W1007.03, W1007.04, W1007.05, W1007.06, W1007.07, W1007.08, W1007.09, W1007.10, W1007.11, W1007.12, W1007.13, W1007.14, W1007.15, W1007.16, W1007.17, W1007.18, W1007.19, W1007.20, W1164, W1178.1, W1178.2, W1178.3, W1178.4, W1178.5, W1178.6, W1178.7, W1178.8, W1178.9, W1193, W1195, W1197.1, W1197.2, W1197.3, W1197.4, W1197.5, W1197.6, W1197.7, W1197.8, W1241.1, W1241.2, W1241.3, W1246, W1258, W1321, W1334, W1375, W1426.01, W1426.02, W1426.03, W1426.04, W1426.05, W1426.06, W1426.07, W1426.08, W1426.09, W1426.10, W1426.11, W1426.12, W1426.13, W1426.14, W1491.01, W1491.02, W1491.03, W1491.04, W1491.05, W1491.06, W1491.07, W1491.08, W1491.09, W1491.10, W1491.11, W1491.12, W1491.13, W1491.14, W1491.15, W1491.16, W1491.17, W1491.18, W1491.19, W1491.20, W1491.21, W1491.22, W1491.23, W1491.24, W1491.25, W1496, W1516.01, W1516.02, W1516.03, W1516.04, W1516.05, W1516.06, W1516.07, W1516.08, W1516.09, W1516.10, W1525, W1532.01, W1532.02, W1532.03, W1532.04, W1532.05, W1532.06, W1532.07, W1532.08, W1532.09, W1532.10, W1532.11, W1532.12, W1532.13, W1532.14, W1532.15, W1532.16, W1532.17, W1532.18, W1532.19, W1532.20, W1532.21, W1532.22, W1532.23, W1532.24, W1532.25, W1532.26, W1532.27, W1532.28, W1532.29, W1532.30, W1532.31, W1532.32, W1532.33, W1532.34, W1532.35, W604, W606, W608, W612, W614, W617, W620, W622, W624, W626, W628, W630, W632, W634, W636, W638, W640, W642, W644, W660, W710.02, W710.03, W710.04, W710.05, W710.06, W710.07, W710.08, W710.09, W710.10, W710.11, W721, W739, W766.1, W766.2, W766.3, W766.4, W766.5, W766.6, W766.7, W766.8, W766.9, W775, W779, W785, W795.01, W795.02, W795.03, W795.04, W795.05, W795.06, W795.07, W795.08, W795.09, W795.10, W795.11, W795.12, W795.13, W795.14, W795.15, W795.16, W795.17, W795.18, W795.19, W795.20, W795.21, W795.22, W795.23, W795.24, W795.25, W795.26, W795.27, W795.28, W795.29, W795.30, W795.31, W795.32, W795.33, W856.1, W856.2, W856.3, W856.4, W856.5, W856.6, W868, W875.2, W919.1, W919.2, W919.3, W919.4, W919.5, W919.6, W926.01, W926.02, W926.03, W926.04, W926.05, W926.06, W926.07, W926.08, W926.09, W926.10, W926.11, W926.12, W926.13, W926.14, W939.01, W939.02, W939.03, W939.04, W939.05, W939.06, W939.07, W953, W989.01, W989.02, W997. - **RMCA:** 14445, 17090, 28029, 37173, 37175, 37176, 37177, 37178, 37179, 37180, 37181, 37182, 37185, 37187, 37188, 37189, 37190, 37191, 37192, 37193, 37194, 37195, 37196, 37197, 37198, 37199, 37200, 37201, 37202, 37203, 37204, 37205, 37206, 37207, 37208, 37209, 37210, 37211, 37212, 37213, 37214, 37215, 37216, 37217, 37218, 37219, 37220, 37221, 37222, 37223, 37224, 37225, 37226, 37227, 37228, 37229, 37230, 37231, 37232, 37233, 37234, 37235, 37236, 37237, 37238, 37239, 37240, 37241, 37242, 37243, 37244, 37245, 37246, 37247, 37248, 37249, 37250, 37251, 37252, 37253, 37254, 37255, 37256, 37257, 37258, 37259, 37260, 37261, 37262, 37263, 37264, 37265, 37266, 37267, 37268, 37269, 37270, 37285, 37286, 37287, 37288, 37289, 37290, 37291, 37292, 37293, 37294, 37295, 37296, 37297, 37298, 37299, 37300, 37301, 37302, 37303, 37304, 37305, 37306, 37307, 37308, 37309, 37310, 37311, 37312, 37313, 37314, 37315, 37316, 37317, 37318, 37319, 37320, 37321, 37322, 37323, 37324, 37325, 37326, 37327, 37328, 37329, 37330, 37331, 37332, 37333, 37334, 37335, 37336, 37337, 37338, 37339, 37340, 37341, 37342, 37343, 37344, 37345, 37346, 37347, 37348, 37349, 37350, 37351, 37352, 37353, 37354, 37355, 37356, 37357, 37358, 37359, 37360, 37361, 37362, 37363, 37364, 37365, 37366, 37367, 37368, 37369, 37370, 37371, 37372, 37373, 37374.

Neoromicia tenuipinnis (Peters, 1872):
INPBC: V1350.1, V1353.2, W1247. - **RBINS:** 4758, 4759, 4767, 4768. - **RMCA:** 16633, 16634, 37163, 37164, 37165, 37166.

Nycteris G. Cuvier and E. Geoffroy, 1795:
INPBC: W3.1.

Nycteris hispida (Schreber, 1774):
NMW: 10304. - **RBINS:** 4783. - **RMCA:** 17088, 17089, 37126, 37127.

Nycteris macrotis Dobson, 1876:
INPBC: V1769.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
INPBC: V1354.

Pipistrellus Kaup, 1829:
INPBC: W3.2. - **RMCA:** 37376, 37377.

Rhinolophus clivosus Cretzschmar, 1828:
INPBC: W1163.

Rhinolophus eloquens K. Andersen, 1905:
AMNH: 82392. - **FMNH:** 26500, 30716. - **MCZ:** 25122.

Rousettus Gray, 1821:
INPBC: V1447.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
INPBC: V1247, V1625, W831.

Scotophilus dinganii (A. Smith, 1833):
INPBC: V1362, V1420.2, V1426, V1522.2, V415, W334, W917. - **RMCA:** 13868, 14065, 37379.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 26498, 30724, 30725, 30726. - **INPBC:** V1347, V375. - **RBINS:** 12940, 4770. - **RMCA:** 14444, 14542, 14592, 14593, 14594, 14595, 14596, 14606, 14607, 14608, 16745.
VESPERTILIONIDAE Gray, 1821:
INPBC: W616

SE 01029Ad:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 9182.
Myonycteris torquata (Dobson, 1878):
RBINS: 1694.
Myotis tricolor (Temminck, 1832):
INPBC: V1694.1.
Neoromicia nana (Peters, 1852):
INPBC: V1461.2.1, V1461.2.2, V1461.2.3, V1461.2.4, V1461.2.5, V1461.2.6, V1461.27, W1379.1, W1379.2, W1379.3, W854. - **RMCA:** 37282, 37283, 37284, 9151.
Pipistrellus Kaup, 1829:
RMCA: 36209, 36210.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RBINS: 12871, 12872, 12873.
Tadarida fulminans (Thomas, 1903):
INPBC: V1234.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 9153

SE 01029Cb:

Chaerephon chapini J.A. Allen, 1917:
RBINS: 22466.
Eidolon helvum (Kerr, 1792):
RMCA: 17189. - **ZMB:** 67137, 67138, 67139.
Epomophorus labiatus (Temminck, 1837):
AMNH: 82376, 82377. - **RMCA:** 16206, 80.055-M-0015, 80.055-M-0016, 80.055-M-0017, 80.055-M-0025, 80.055-M-0026, 80.055-M-0027, 80.055-M-0028, 80.055-M-0029, 80.055-M-0030, 80.055-M-0031, 82.006-M-1034. - **ZMA:** MAM.21241, MAM.21242.
Glauconycteris argentata (Dobson, 1875):
ZMB: 37016.
Hipposideros caffer (Sundevall, 1846):
ZMB: 67685.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 67844.
Macronycteris vittatus (Peters, 1852):
RMCA: 16286.
Miniopterus fraterculus Thomas and Schwann, 1906:
INPBC: V1766.2, V1766.3. - **RMCA:** 82.006-M-0328, 82.006-M-0329, 82.006-M-0330, 82.006-M-0331, 82.006-M-0332, 82.006-M-0333, 82.006-M-0334, 82.006-M-0335, 82.006-M-0336, 82.006-M-0337, 82.006-M-0338, 85.006-M-0152, 85.006-M-0153, 85.006-M-0154, 85.006-M-0155, 85.006-M-0156, 85.006-M-0157, 85.006-M-0158.
Miniopterus inflatus Thomas, 1903:
RMCA: 82.006-M-0286, 82.006-M-0287, 82.006-M-0288, 82.006-M-0289, 82.006-M-0290, 82.006-M-0291, 82.006-M-0292, 82.006-M-0293, 82.006-M-0294, 82.006-M-0295, 82.006-M-0296, 82.006-M-0297, 82.006-M-0298, 82.006-M-0299, 82.006-M-0300, 82.006-M-0301, 82.006-M-0302, 82.006-M-0303, 82.006-M-0304, 82.006-M-0305, 82.006-M-0306, 82.006-M-0307, 82.006-M-0308, 82.006-M-0309, 82.006-M-0310, 82.006-M-0311, 82.006-M-0312, 82.006-M-0313, 82.006-M-0314, 82.006-M-0315, 82.006-M-0316, 82.006-M-0317, 82.006-M-0318, 82.006-M-0319, 82.006-M-0320, 82.006-M-0321, 82.006-M-0322, 82.006-M-0323, 82.006-M-0324, 82.006-M-0325, 82.006-M-0326, 82.006-M-0327, 85.006-M-0120, 85.006-M-0121, 85.006-M-0122, 85.006-M-0123, 85.006-M-0124, 85.006-M-0125, 85.006-M-0126, 85.006-M-0127, 85.006-M-0128, 85.006-M-0129, 85.006-M-0130, 85.006-M-0131, 85.006-M-0132, 85.006-M-0133, 85.006-M-0134, 85.006-M-0135, 85.006-M-0136, 85.006-M-0137, 85.006-M-0138, 85.006-M-0139, 85.006-M-0140, 85.006-M-0141, 85.006-M-0142, 85.006-M-0143, 85.006-M-0144, 85.006-M-0145, 85.006-M-0146, 85.006-M-0147, 85.006-M-0148, 85.006-M-0149, 85.006-M-0150, 85.006-M-0151.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 22465.
Myotis bocagii (Peters, 1870):
RMCA: 80.055-M-0167, 80.055-M-0168, 9905.
Myotis tricolor (Temminck, 1832):
RMCA: 82.006-M-0920, 82.006-M-0921, 82.006-M-0922, 82.006-M-0923, 82.006-M-0924.
Myotis welwitschii (Gray, 1866):
RMCA: 85.006-M-0449.
Neoromicia Roberts, 1926:
ZMA: MAM.21237, MAM.21238.
Neoromicia nana (Peters, 1852):
RMCA: 85.006-M-0095. - **ZMA:** MAM.21231, MAM.21232.
Neoromicia tenuipinnis (Peters, 1872):
ZMA: MAM.21233, MAM.21234, MAM.21235, MAM.21236.
Nycteris hispida (Schreber, 1774):
RMCA: 17339.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
INPBC: 1804.
Pipistrellus hesperidus (Temminck, 1840):
RMCA: 82.006-M-0925.
Rhinolophus clivosus Cretzschmar, 1828:
RMCA: 82.006-M-0046, 82.006-M-0047, 82.006-M-0048, 82.006-M-0049, 82.006-M-0050, 82.006-M-0051, 82.006-M-0052, 82.006-M-0053, 82.006-M-0054, 82.006-M-0055, 82.006-M-0056, 82.006-M-0057, 82.006-M-0058, 82.006-M-0059, 82.006-M-0060, 82.006-M-0061, 82.006-M-0062, 82.006-M-0063, 82.006-M-0064, 82.006-M-0065, 82.006-M-0066, 82.006-M-0067, 82.006-M-0068, 82.006-M-0069, 82.006-M-0070, 82.006-M-0071, 82.006-M-0072, 82.006-M-0073, 82.006-M-0074, 82.006-M-0075, 82.006-M-0076, 82.006-M-0077, 82.006-M-0078, 82.006-M-0079, 82.006-M-0080, 82.006-M-0081, 82.006-M-0082, 82.006-M-0083, 82.006-M-0084, 82.006-M-0085, 82.006-M-0086, 82.006-M-0087, 82.006-M-0088, 82.006-M-0089, 82.006-M-0090, 82.006-M-0091, 82.006-M-0092, 82.006-M-0093, 82.006-M-0094, 82.006-M-0095, 82.006-M-0096, 82.006-M-0097, 82.006-M-0098, 82.006-M-0099, 82.006-M-0100, 82.006-M-0101, 82.006-M-0102, 82.006-M-0103, 82.006-M-0104, 82.006-M-0105, 82.006-M-0106, 82.006-M-0107, 82.006-M-0108, 82.006-M-0109, 82.006-M-0110, 82.006-M-0111, 82.006-M-0112, 82.006-M-0113, 82.006-M-0114, 82.006-M-0115, 82.006-M-0116, 82.006-M-0117, 82.006-M-0118, 82.006-M-0119, 82.006-M-0120, 82.006-M-0121, 82.006-M-0122, 82.006-M-0123, 82.006-M-0124, 82.006-M-0125, 82.006-M-0126, 82.006-M-0127, 82.006-M-0128, 82.006-M-0129, 82.006-M-0130, 82.006-M-0131, 82.006-M-0132, 82.006-M-0133, 82.006-M-0134, 82.006-M-0135, 82.006-M-0136, 82.006-M-0137, 82.006-M-0138, 82.006-M-0139, 82.006-M-0140, 82.006-M-0141, 82.006-M-0142, 82.006-M-0143, 82.006-M-0144, 82.006-M-0145, 82.006-M-0146, 82.006-M-0147, 82.006-M-0148, 82.006-M-0149, 82.006-M-0150, 82.006-M-0151, 82.006-M-0152, 82.006-M-0153, 82.006-M-0154, 82.006-M-0155, 82.006-M-0156, 82.006-M-0157, 82.006-M-0158, 82.006-M-0159, 82.006-M-0160, 82.006-M-0161, 82.006-M-0162, 82.006-M-0163, 82.006-M-0164, 82.006-M-0165, 82.006-M-0166, 82.006-M-0167, 82.006-M-0168, 82.006-M-0169, 82.006-M-0170, 82.006-M-0171, 82.006-M-0172, 82.006-M-0173, 82.006-M-0174, 82.006-M-0175, 82.006-M-0176, 82.006-M-0177, 82.006-M-0178, 82.006-M-0179, 82.006-M-0180, 82.006-M-0181, 82.006-M-0182, 82.006-M-0183, 82.006-M-0184, 82.006-M-0185, 82.006-M-0186, 82.006-M-0187, 82.006-M-0188, 82.006-M-0189, 82.006-M-0190, 82.006-M-0191, 82.006-M-0192, 82.006-M-0193, 82.006-M-0194, 82.006-M-0195, 82.006-M-0196, 82.006-M-0197, 82.006-M-0198, 82.006-M-0199, 82.006-M-0200, 85.006-M-0001, 85.006-M-0002, 85.006-M-0003, 85.006-M-0004, 85.006-M-0005, 85.006-M-0006, 85.006-M-0007, 85.006-M-0008, 85.006-M-0009, 85.006-M-0010, 85.006-M-0011, 85.006-M-0012, 85.006-M-0013, 85.006-M-0014, 85.006-M-0015, 85.006-M-0016, 85.006-M-0017, 85.006-M-0018, 85.006-M-0019, 85.006-M-0020, 85.006-M-0021, 85.006-M-0022, 85.006-M-0023, 85.006-M-0024, 85.006-M-0025, 85.006-M-0026, 85.006-M-0027, 85.006-M-0028, 85.006-M-0029, 85.006-M-0030, 85.006-M-0031, 85.006-M-0032, 85.006-M-0033, 85.006-M-0034, 85.006-M-0035, 85.006-M-0036, 85.006-M-0037, 85.006-M-0038, 85.006-M-0039, 85.006-M-0040, 85.006-M-0041, 85.006-M-0042, 85.006-M-0043, 85.006-M-0044, 85.006-M-0045, 85.006-M-0046, 85.006-M-0047, 85.006-M-0048, 85.006-M-0049, 85.006-M-0050, 85.006-M-0051, 85.006-M-0052, 85.006-M-0053, 85.006-M-0054, 85.006-M-0055, 85.006-M-0056, 85.006-M-0057, 85.006-M-0058, 85.006-M-0059, 85.006-M-0060, 85.006-M-0061, 85.006-M-0062, 85.006-M-0063, 85.006-M-0064, 85.006-M-0065, 85.006-M-0066, 85.006-M-0067, 85.006-M-0068, 85.006-M-0069, 85.006-M-0070, 85.006-M-0071, 85.006-M-0072, 85.006-M-0073, 85.006-M-0074, 85.006-M-0075, 85.006-M-0076, 85.006-M-0077, 85.006-M-0078, 85.006-M-0079, 85.006-M-0080, 85.006-M-0081, 85.006-M-0082, 85.006-M-0083, 85.006-M-0084, 85.006-M-0085, 85.006-M-0086, 85.006-M-0087, 85.006-M-0088, 85.006-M-0089, 85.006-M-0090, 85.006-M-0091, 85.006-M-0092, 85.006-M-0093, 85.006-M-0094, 85.006-M-0465, 85.006-M-0537, 85.006-M-0538. - **SMF:** 92962.
Rhinolophus eloquens K. Andersen, 1905:
RMCA: 16276.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
RMCA: 85.006-M-0447, 85.006-M-0448.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 80.055-M-0065, 80.055-M-0066, 80.055-M-0067, 82.006-M-0031. - **ZMA:** MAM.21243, MAM.21244, MAM.21245, MAM.21246, MAM.21247, MAM.21364

SE 01029Cd:

Eidolon helvum (Kerr, 1792):
RBINS: 10537, 10538, 10539, 10540, 10541, 10542.
Epomophorus labiatus (Temminck, 1837):
RMCA: 80.055-M-0012, 80.055-M-0022, 80.055-M-0023, 80.055-M-0024.
Stenonycteris lanosus (Thomas, 1906):
RMCA: 80.055-M-0073, 80.055-M-0074, 80.055-M-0075, 80.055-M-0076, 80.055-M-0077, 80.055-M-0078, 80.055-M-0079, 80.055-M-0080, 80.055-M-0081, 80.055-M-0082, 80.055-M-0083, 80.055-M-0084, 80.055-M-0085, 80.055-M-0086, 80.055-M-0087, 80.055-M-0088, 80.055-M-0089, 80.055-M-0090, 80.055-M-0091, 80.055-M-0092, 80.055-M-0093, 80.055-M-0094, 80.055-M-0095, 87.046-M-0515, 87.046-M-0516, 87.046-M-0519, 87.046-M-0520

SE 01029Ba:

Epomops franqueti (Tomes, 1860):
FMNH: 160209, 160210, 160234, 160239.
Hipposideros ruber (Noack, 1893):
FMNH: 160358, 160359, 160360, 160361.
Megaloglossus woermanni Pagenstecher, 1885:
FMNH: 160240, 160246, 160247, 160248, 160252.
Myonycteris angolensis (Bocage, 1898):
FMNH: 160272, 160273, 160274, 160275, 160276, 160277, 160278, 160279, 160280, 160281, 160282, 160294, 160295, 160296, 160297, 160298, 160299, 160300, 160301, 160302, 160303, 160304, 160305, 160306, 160307, 160308, 160309, 160310, 160311, 160312, 160313, 160314, 160315, 160316, 160317, 160318, 160319, 160329, 160330, 160331, 160332, 160337, 160338, 160339, 160340, 160341, 160342, 160343, 160344, 160345, 160346, 160347.
Myotis bocagii (Peters, 1870):
FMNH: 160362.

Neoromicia nana (Peters, 1852):
FMNH: 160365, 160366, 160367, 160368, 160369, 160370, 160377. - **INPBC:** W754.1, W754.2, W754.3. - **RMCA:** 37184, 37186, 37271, 37272, 37273, 37274, 37275, 37276, 37277.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 26510, 30579, 30580, 30581, 30582, 30583, 30584, 30585, 30586, 30587, 30590, 30591, 30592, 30593, 30594, 30595, 30596, 30597, 30598, 30600, 30601, 30602, 30603, 30604, 30605, 30606, 30607, 30608, 30609, 30610, 30611, 30613.
Rhinolophus ruwenzorii J. Eric Hill, 1942:
FMNH: 160357.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 160261.
Stenonycteris lanosus (Thomas, 1906):
FMNH: 160349, 160350, 160351, 160352, 160353, 160354, 160355, 162352

SE 01029Bc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 87.046-M-0281, 87.046-M-0282, 87.046-M-0283, 87.046-M-0284, 87.046-M-0285, 87.046-M-0286, 87.046-M-0287, 87.046-M-0288, 87.046-M-0289, 87.046-M-0290, 87.046-M-0291, 87.046-M-0292, 87.046-M-0293, 87.046-M-0294, 87.046-M-0295, 87.046-M-0296, 87.046-M-0297, 87.046-M-0298, 87.046-M-0299, 87.046-M-0300, 87.046-M-0301, 87.046-M-0302, 87.046-M-0303, 87.046-M-0304, 87.046-M-0305, 87.046-M-0306, 87.046-M-0307, 87.046-M-0308, 87.046-M-0309, 87.046-M-0310, 87.046-M-0311, 87.046-M-0312, 87.046-M-0313, 87.046-M-0314, 87.046-M-0315, 87.046-M-0316, 87.046-M-0317, 87.046-M-0318, 87.046-M-0319, 87.046-M-0320, 87.046-M-0321, 87.046-M-0322, 87.046-M-0323, 87.046-M-0324, 87.046-M-0325, 87.046-M-0326, 87.046-M-0327, 87.046-M-0328, 87.046-M-0329, 87.046-M-0330, 87.046-M-0331, 87.046-M-0332, 87.046-M-0333, 87.046-M-0334, 87.046-M-0335, 87.046-M-0336, 87.046-M-0337, 87.046-M-0338, 87.046-M-0339, 87.046-M-0340, 87.046-M-0341, 87.046-M-0342, 87.046-M-0343, 87.046-M-0380, 87.046-M-0381, 87.046-M-0382, 87.046-M-0383, 87.046-M-0384, 87.046-M-0385, 87.046-M-0386, 87.046-M-0387, 87.046-M-0388, 87.046-M-0389, 87.046-M-0390, 87.046-M-0391, 87.046-M-0392, 87.046-M-0393, 87.046-M-0394, 87.046-M-0395, 87.046-M-0396, 87.046-M-0397, 87.046-M-0398, 87.046-M-0399, 87.046-M-0400, 87.046-M-0401, 87.046-M-0402, 87.046-M-0403, 87.046-M-0404, 87.046-M-0405, 87.046-M-0406, 87.046-M-0407, 87.046-M-0408, 87.046-M-0409, 87.046-M-0410, 87.046-M-0411, 87.046-M-0412, 87.046-M-0413, 87.046-M-0414, 87.046-M-0415, 87.046-M-0416, 87.046-M-0417, 87.046-M-0418, 87.046-M-0419, 87.046-M-0420, 87.046-M-0421, 87.046-M-0422, 87.046-M-0423, 87.046-M-0424, 87.046-M-0425, 87.046-M-0426, 87.046-M-0427, 87.046-M-0428, 87.046-M-0429, 87.046-M-0430, 87.046-M-0431, 87.046-M-0432, 87.046-M-0433, 87.046-M-0434, 87.046-M-0435, 87.046-M-0436, 87.046-M-0437, 87.046-M-0438, 87.046-M-0439, 87.046-M-0440, 87.046-M-0441, 87.046-M-0442, 87.046-M-0443, 87.046-M-0444, 87.046-M-0445, 87.046-M-0446, 87.046-M-0447, 87.046-M-0448, 87.046-M-0449, 87.046-M-0450, 87.046-M-0451, 87.046-M-0452, 87.046-M-0453, 87.046-M-0454, 87.046-M-0455, 87.046-M-0456, 87.046-M-0457, 87.046-M-0458, 87.046-M-0459, 87.046-M-0460, 87.046-M-0461, 87.046-M-0462, 87.046-M-0463, 87.046-M-0464, 87.046-M-0465, 87.046-M-0466, 87.046-M-0467, 87.046-M-0468, 87.046-M-0469, 87.046-M-0470, 87.046-M-0471, 87.046-M-0472, 87.046-M-0473, 87.046-M-0474, 87.046-M-0475, 87.046-M-0476, 87.046-M-0477, 87.046-M-0478, 87.046-M-0479, 87.046-M-0480, 87.046-M-0481, 87.046-M-0482, 87.046-M-0483, 87.046-M-0484, 87.046-M-0485, 87.046-M-0486, 87.046-M-0487, 87.046-M-0488, 87.046-M-0489, 87.046-M-0490, 87.046-M-0491, 87.046-M-0492, 87.046-M-0493, 87.046-M-0494, 87.046-M-0495, 87.046-M-0496, 87.046-M-0497, 87.046-M-0498, 87.046-M-0499, 87.046-M-0500, 87.046-M-0501, 87.046-M-0502, 87.046-M-0503, 87.046-M-0504, 87.046-M-0505, 87.046-M-0506, 87.046-M-0507, 87.046-M-0508, 87.046-M-0509, 87.046-M-0510.
Epomophorus labiatus (Temminck, 1837):
RMCA: 87.046-M-0357, 87.046-M-0358, 87.046-M-0359, 87.046-M-0360, 87.046-M-0361, 87.046-M-0363, 87.046-M-0364, 87.046-M-0365, 87.046-M-0366, 87.046-M-0367, 87.046-M-0368, 87.046-M-0369, 87.046-M-0370, 87.046-M-0371, 87.046-M-0372, 87.046-M-0373, 87.046-M-0374, 87.046-M-0375.
Glauconycteris argentata (Dobson, 1875):
RMCA: 87.046-M-0347, 87.046-M-0348.
Hipposideros caffer (Sundevall, 1846):
SMF: 49490.
Hipposideros ruber (Noack, 1893):
BMNH: 1992.389. - **MHNG:** 1873.062, 1873.063, 1873.064, 1873.065, 1873.066, 1873.067. - **RMCA:** 87.046-M-0215, 87.046-M-0216, 87.046-M-0217, 87.046-M-0218, 87.046-M-0219, 87.046-M-0220, 87.046-M-0221, 87.046-M-0222, 87.046-M-0223, 87.046-M-0224, 87.046-M-0225, 87.046-M-0226, 87.046-M-0227, 87.046-M-0228, 87.046-M-0229, 87.046-M-0230, 87.046-M-0231, 87.046-M-0232, 87.046-M-0233, 87.046-M-0234, 87.046-M-0235, 87.046-M-0236, 87.046-M-0237, 87.046-M-0238, 87.046-M-0239, 87.046-M-0240, 87.046-M-0241, 87.046-M-0242, 87.046-M-0243, 87.046-M-0244, 87.046-M-0245.
Miniopterus inflatus Thomas, 1903:
BMNH: 1992.391, 1992.392, 1992.393, 1992.394, 1992.395, 1992.396, 1992.397.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 15498.1, 15498.2, 15498.3, 15935.1, 15935.2, 15935.3. - **RMCA:** 87.046-M-0247, 87.046-M-0248, 87.046-M-0249, 87.046-M-0250, 87.046-M-0251, 87.046-M-0252, 87.046-M-0253, 87.046-M-0254, 87.046-M-0255, 87.046-M-0256, 87.046-M-0257, 87.046-M-0258, 87.046-M-0259, 87.046-M-0260, 87.046-M-0261, 87.046-M-0262, 87.046-M-0263, 87.046-M-0264, 87.046-M-0265, 87.046-M-0266, 87.046-M-0267, 87.046-M-0268, 87.046-M-0269, 87.046-M-0270, 87.046-M-0271, 87.046-M-0272, 87.046-M-0273, 87.046-M-0274, 87.046-M-0275, 87.046-M-0276, 87.046-M-0277, 87.046-M-0278, 87.046-M-0279, 87.046-M-0280, 87.046-M-0379, 87.046-M-0511, 87.046-M-0512, 87.046-M-0513.
Myotis tricolor (Temminck, 1832):
INPBC: V1846.9. - **MHNG:** 1873.072, 1873.073.
Neoromicia nana (Peters, 1852):
INPBC: W832.01, W832.02, W832.03, W832.04, W832.05, W832.06, W832.07, W832.08, W832.09, W832.10, W832.11, W832.12, W832.13, W832.14, W832.15, W832.16. - **SMF:** 49489.
Nycteris hispida (Schreber, 1774):
INPBC: W844.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 87.046-M-0344, 87.046-M-0345, 87.046-M-0346.

Rhinolophus Lacépède, 1799:
INPBC: V1523.1, V1523.2.
Rhinolophus clivosus Cretzschmar, 1828:
BMNH: 1992.390. - **FMNH:** 26511, 26512, 26513, 26514, 26515, 30588, 30589, 30599, 30612. - **INPBC:** V1760, V1764.1, V1764.2, V1764.3, V1764.4, V1764.5, V1764.6, V1764.7, V1764.8, V1846.1, V1846.2, V1846.3, V1846.4, V1846.5, V1846.6, V1846.7, V1846.8. - **MHNG:** 1873.020, 1873.021, 1873.022, 1873.023, 1873.024, 1873.025, 1873.026, 1873.027, 1873.028, 1873.029, 1873.030, 1873.031, 1873.032, 1873.033, 1873.034, 1873.035, 1873.036, 1873.037, 1873.038, 1873.039, 1873.040. - **RBINS:** 15479.1, 15479.2, 15479.3, 15479.4, 15479.5, 15479.6, 15480.1, 15480.2, 15480.3. - **RMCA:** 87.046-M-0135, 87.046-M-0136, 87.046-M-0137, 87.046-M-0138, 87.046-M-0139, 87.046-M-0140, 87.046-M-0141, 87.046-M-0142, 87.046-M-0143, 87.046-M-0144, 87.046-M-0145, 87.046-M-0146, 87.046-M-0147, 87.046-M-0148, 87.046-M-0149, 87.046-M-0150, 87.046-M-0151, 87.046-M-0152, 87.046-M-0153, 87.046-M-0154, 87.046-M-0155, 87.046-M-0156, 87.046-M-0157, 87.046-M-0158, 87.046-M-0159, 87.046-M-0160, 87.046-M-0161, 87.046-M-0162, 87.046-M-0163, 87.046-M-0164, 87.046-M-0165, 87.046-M-0166, 87.046-M-0167, 87.046-M-0168, 87.046-M-0169, 87.046-M-0170, 87.046-M-0171, 87.046-M-0172, 87.046-M-0173, 87.046-M-0174, 87.046-M-0175, 87.046-M-0176, 87.046-M-0177, 87.046-M-0178, 87.046-M-0179, 87.046-M-0180, 87.046-M-0181, 87.046-M-0182, 87.046-M-0183, 87.046-M-0184, 87.046-M-0185, 87.046-M-0186, 87.046-M-0187, 87.046-M-0188, 87.046-M-0189, 87.046-M-0190, 87.046-M-0191, 87.046-M-0192, 87.046-M-0193, 87.046-M-0194, 87.046-M-0195, 87.046-M-0196, 87.046-M-0197, 87.046-M-0198, 87.046-M-0199, 87.046-M-0200, 87.046-M-0201, 87.046-M-0202, 87.046-M-0203, 87.046-M-0204, 87.046-M-0205, 87.046-M-0206, 87.046-M-0207, 87.046-M-0208, 87.046-M-0209, 87.046-M-0210, 87.046-M-0211, 87.046-M-0212, 87.046-M-0213, 87.046-M-0214. - **SMF:** 44092. - **USNM:** 260145, 260146, 260147, 260148.
Rhinolophus eloquens K. Andersen, 1905:
RMCA: 87.046-M-0349.
Rousettus Gray, 1821:
INPBC: V93.1.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
INPBC: V1535, V417, V93.1.01, V93.1.02, V93.1.03, V93.1.04, V93.1.05, V93.1.06, V93.1.07, V93.1.08, V93.1.09, V93.1.10, V93.1.11, V93.1.12, V93.1.13, V93.1.14, V93.1.15, V93.1.16, V93.1.17. - **MHNG:** 1872.062, 1872.063, 1872.064, 1872.065, 1872.066. - **RBINS:** 15485.1, 15485.2. - **RMCA:** 17083, 17084, 80.055-M-0053, 80.055-M-0054, 80.055-M-0055, 80.055-M-0056, 80.055-M-0057, 80.055-M-0058, 80.055-M-0068, 80.055-M-0069, 80.055-M-0070, 80.055-M-0071, 80.055-M-0072, 82.006-M-0003, 82.006-M-0004, 82.006-M-0005, 82.006-M-0006, 82.006-M-0007, 82.006-M-0008, 82.006-M-0009, 82.006-M-0010, 82.006-M-0011, 82.006-M-0012, 82.006-M-0013, 82.006-M-0014, 82.006-M-0015, 82.006-M-0016, 82.006-M-0017, 82.006-M-0018, 82.006-M-0019, 82.006-M-0020, 82.006-M-0021, 82.006-M-0022, 82.006-M-0023, 82.006-M-0024, 82.006-M-0025, 82.006-M-0026, 82.006-M-0027, 82.006-M-0028, 82.006-M-0029, 82.006-M-0030, 82.006-M-0032, 87.046-M-0001, 87.046-M-0002, 87.046-M-0003, 87.046-M-0004, 87.046-M-0005, 87.046-M-0006, 87.046-M-0007, 87.046-M-0008, 87.046-M-0009, 87.046-M-0010, 87.046-M-0011, 87.046-M-0012, 87.046-M-0013, 87.046-M-0014, 87.046-M-0015, 87.046-M-0016, 87.046-M-0017, 87.046-M-0018, 87.046-M-0019, 87.046-M-0020, 87.046-M-0021, 87.046-M-0022, 87.046-M-0023, 87.046-M-0024, 87.046-M-0025, 87.046-M-0026, 87.046-M-0027, 87.046-M-0028, 87.046-M-0029, 87.046-M-0030, 87.046-M-0031, 87.046-M-0032, 87.046-M-0033, 87.046-M-0034, 87.046-M-0035, 87.046-M-0036, 87.046-M-0037, 87.046-M-0038, 87.046-M-0039, 87.046-M-0040, 87.046-M-0041, 87.046-M-0042, 87.046-M-0043, 87.046-M-0044, 87.046-M-0045, 87.046-M-0046, 87.046-M-0047, 87.046-M-0048, 87.046-M-0049, 87.046-M-0050, 87.046-M-0051, 87.046-M-0052, 87.046-M-0053, 87.046-M-0054, 87.046-M-0055, 87.046-M-0056, 87.046-M-0057, 87.046-M-0058, 87.046-M-0059, 87.046-M-0060, 87.046-M-0061, 87.046-M-0062.
Stenonycteris lanosus (Thomas, 1906):
BMNH: 1992.385, 1992.386, 1992.387, 1992.388. - **RMCA:** 87.046-M-0514, 87.046-M-0518

SE 01029Da:

Hipposideros ruber (Noack, 1893):
MHNG: 1873.068, 1873.069, 1873.070, 1873.071. - **RMCA:** 82.006-M-0896.
Miniopterus inflatus Thomas, 1903:
RBINS: 15490.1, 15490.2.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 19070, 19071.
Rhinolophus clivosus Cretzschmar, 1828:
MHNG: 1873.041, 1873.042. - **RMCA:** 12265, 12266, 12267. - **SMF:** 92438, 92439, 92440.
Rhinolophus eloquens K. Andersen, 1905:
RMCA: 19069.
Rhinolophus fumigatus Rüppell, 1842:
ZMA: MAM.21229.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MHNG: 1872.067, 1872.068, 1872.069. - **SMF:** 66863, 66864, 66865. - **ZMA:** MAM.21248, MAM.21249, MAM.21250, MAM.21251, MAM.21252, MAM.21253, MAM.21254, MAM.21255.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 19068.
Stenonycteris lanosus (Thomas, 1906):
SMF: 92441

SE 01029Bb:

Myonycteris angolensis (Bocage, 1898):
FMNH: 160320, 160321, 160322, 160348.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 160363, 160364.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 160356.

Rhinolophus ruwenzorii J. Eric Hill, 1942:
LACM: 51747, 51748, 51749

SE 01029Bd:

Hipposideros ruber (Noack, 1893):
FMNH: 161040.
Myotis bocagii bocagii (Peters, 1870):
FMNH: 26501, 26502, 26503, 26504, 26505, 26506, 26507, 30614, 30615, 30616, 30617, 30618, 30619, 30620, 30621. - **MCZ:** 33488. - **USNM:** 260031, 260186.
Neoromicia nana (Peters, 1852):
FMNH: 26508, 26509, 30672, 30673, 30674, 30675, 30676, 30677, 30678, 30679, 30680, 30681.
Nycteris macrotis Dobson, 1876:
RMCA: 81.012-M-0011, 81.012-M-0012, 81.012-M-0013.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 161041.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 161008.
Stenonycteris lanosus (Thomas, 1906):
FMNH: 161009, 161010, 161011, 161012, 161013, 161014, 161015, 161016, 161017, 161018, 161019, 161020, 161021, 161022, 161023, 161024, 161025, 161026, 161027, 161028, 161029, 161030, 161031, 161032, 161033, 161034, 161035, 161036, 161037, 161038, 161039. - **RMCA:** 81.012-M-0043

SE 01030Ca:

Epomophorus labiatus (Temminck, 1837):
RMCA: 80.055-M-0013, 80.055-M-0014, 80.055-M-0032.
Hipposideros ruber (Noack, 1893):
RMCA: 80.055-M-0098, 80.055-M-0099, 80.055-M-0100, 80.055-M-0101, 80.055-M-0102, 80.055-M-0103, 80.055-M-0104, 80.055-M-0105, 80.055-M-0106, 80.055-M-0107, 80.055-M-0108, 80.055-M-0109, 80.055-M-0110, 80.055-M-0111, 80.055-M-0112.
Mops (Xiphonycteris) thersites (Thomas, 1903):
MHNG: 1919.023.
Neoromicia nana (Peters, 1852):
RMCA: 80.055-M-0009.
Rhinolophus clivosus Cretzschmar, 1828:
RMCA: 80.055-M-0170.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 80.055-M-0052, 80.055-M-0062, 80.055-M-0063, 80.055-M-0064

SE 01030Cc:

Epomophorus labiatus (Temminck, 1837):
RMCA: 73.057-M-0003, 73.057-M-0004, 73.057-M-0005, 73.057-M-0011, 80.055-M-0018, 80.055-M-0033, 80.055-M-0034, 80.055-M-0035, 80.055-M-0036, 80.055-M-0037, 80.055-M-0038, 80.055-M-0039, 80.055-M-0040, 80.055-M-0041.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 15929.1, 15929.2, 15929.3, 15929.4, 15929.5, 15929.6, 15929.7, 16007, 16008, 16009, 16010, 16011, 16012, 16013, 16014, 16015, 16016, 16017, 16018, 16019, 16020, 16021, 16022. - **RMCA:** 80.055-M-0113, 80.055-M-0114, 80.055-M-0115, 80.055-M-0116, 80.055-M-0117, 80.055-M-0118, 80.055-M-0119, 80.055-M-0120, 80.055-M-0121, 80.055-M-0122, 80.055-M-0123, 80.055-M-0124.
Otomops Thomas, 1913:
RMCA: 12166.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 87.046-M-0246

SE 01030Ad:

Epomophorus labiatus (Temminck, 1837):
ZMZ: 14141, 15527, 15536, 15539, 15541.
Neoromicia zuluensis (Roberts, 1924):
ZMZ: 126640.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
INPBC: V3131

SE 01030Cb:

Chaerephon ansorgei (Thomas, 1913):
RBINS: 4907.
Chaerephon pumilus (Cretzschmar, 1826):
INPBC: V3030, V3051, V3062.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 17085, 17086.
Mops (Mops) condylurus (A. Smith, 1833):
INPBC: V3128.01, V3128.02, V3128.03, V3128.04, V3128.05, V3128.06, V3128.07, V3128.08, V3128.09, V3128.10, V3128.11, V3128.12, V3128.13, V3128.14, V3128.15, V3128.16, V3128.17, V3128.18, V3128.19, V3128.20, V3128.21,

V3128.22, V3128.23, V3128.24, V3128.25, V3128.26, V3128.27, V3128.28, V3128.29, V3128.30, V3128.31, V3128.32, V3128.33, V3128.34, V3128.35, V3128.36, V3128.37, V3128.38, V3128.39, V3128.40, V3128.41, V3128.42, V3128.43, V3128.44, V3128.45, V3128.46, V3128.47, V3128.48, V3128.49, V3128.50, V3128.51, V3128.52, V3128.53, V3128.54, V3128.55, V3128.56, V3128.57, V3128.58, V3128.59, V3128.60. - **RBINS:** 8157, 8158.1, 8158.2, 8158.3, 8158.4, 8158.5, 8158.6, 8158.7, 8158.8. - **RMCA:** 78.038-M-0002, 78.038-M-0003, 78.038-M-0004, 78.038-M-0005, 78.038-M-0006, 78.038-M-0007, 78.038-M-0008, 78.038-M-0009, 78.038-M-0010, 78.038-M-0011, 78.038-M-0012, 78.038-M-0013, 78.038-M-0014, 78.038-M-0015, 78.038-M-0016, 78.038-M-0017, 78.038-M-0018, 78.038-M-0019, 78.038-M-0020, 78.038-M-0021, 78.038-M-0022, 78.038-M-0023, 78.038-M-0024, 78.038-M-0025, 78.038-M-0026, 78.038-M-0027, 78.038-M-0028, 78.038-M-0029, 78.038-M-0030, 78.038-M-0031, 78.038-M-0032, 78.038-M-0033, 78.038-M-0034, 78.038-M-0035, 78.038-M-0036, 78.038-M-0037, 78.038-M-0038, 78.038-M-0039, 78.038-M-0040, 78.038-M-0041, 78.038-M-0042, 78.038-M-0043, 78.038-M-0044, 78.038-M-0045, 78.038-M-0046, 78.038-M-0047, 78.038-M-0048, 78.038-M-0049, 78.038-M-0050, 78.038-M-0051, 78.038-M-0052, 78.038-M-0053.
Neoromicia nana (Peters, 1852):
INPBC: V3102, V3129.01, V3129.02, V3129.03, V3129.04, V3129.05, V3129.06, V3129.07, V3129.08, V3129.09, V3129.10, V3129.11, V3129.12, V3129.13, V3129.14, V3129.15.
Neoromicia tenuipinnis (Peters, 1872):
RBINS: 13021, 13921.
Rhinolophus fumigatus Rüppell, 1842:
INPBC: V3063. - **RMCA:** 12664.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 13281.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 4769. - **RMCA:** 17074, 17075

SE 01030Cd:

Chaerephon pumilus (Cretzschmar, 1826):
MHNG: 921.042. - **RMCA:** 81.012-M-0060, 81.012-M-0061.
Epomophorus labiatus (Temminck, 1837):
RMCA: 73.057-M-0001, 73.057-M-0002, 73.057-M-0006, 73.057-M-0007, 73.057-M-0008, 73.057-M-0009, 73.057-M-0010.
Mops (Mops) condylurus (A. Smith, 1833):
MHNG: 921.044

SE 01030Ba:

Stenonycteris lanosus (Thomas, 1906):
LACM: 35504, 35505, 35506

SE 01030Bc:

Hipposideros ruber (Noack, 1893):
INPBC: V3041.1, V3041.2, V3118.1.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 15497.1, 15497.2, 15497.3, 15497.4.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RBINS: 15476.1, 15476.2, 15476.3.
Neoromicia nana (Peters, 1852):
INPBC: V3044.1.01, V3044.1.02, V3044.1.03, V3044.1.04, V3044.1.05, V3044.1.06, V3044.1.07, V3044.1.08, V3044.1.09, V3044.1.10, V3044.1.11, V3044.1.12, V3044.1.13, V3044.1.14, V3044.1.15, V3044.1.16, V3044.1.17, V3044.1.18, V3044.1.19, V3044.1.20, V3044.1.21, V3044.1.22, V3044.1.23, V3044.1.24, V3044.1.25, V3044.1.26, V3044.1.27, V3044.1.28, V3044.1.29, V3044.1.30, V3044.1.31, V3044.1.32, V3044.1.33, V3044.1.34, V3044.1.35, V3044.1.36, V3044.1.37, V3044.1.38, V3044.1.39, V3044.1.40, V3044.1.41, V3044.1.42, V3044.1.43, V3044.1.44, V3044.1.45, V3044.1.46, V3044.1.47, V3044.1.48, V3044.1.49, V3044.1.50, V3044.1.51, V3044.1.52, V3044.1.53, V3044.1.54, V3044.1.55, V3044.1.56, V3044.1.57, V3044.1.58.
Rhinolophus fumigatus Rüppell, 1842:
INPBC: 3041.01, 3041.02, 3041.03, 3041.04, 3041.05, 3041.06, 3041.07, 3041.08, 3041.09, 3041.10, 3041.11, 3041.12, V1903.1, V1903.2, V1903.3, V1903.4, V1903.5, V1903.6, V1903.7, V1903.8, V1903.9, V304.01, V304.02, V304.03, V304.04, V304.05, V304.06, V304.07, V304.08, V304.09, V304.10.
Rhinolophus lobatus Peters, 1852:
INPBC: V3118.2

SE 01030Da:

Chaerephon pumilus (Cretzschmar, 1826):
INPBC: W3111.1, W3111.2, W3111.3.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 4778, 4779, 4780. - **RMCA:** 17087.
Myotis bocagii (Peters, 1870):
INPBC: W3052.01, W3052.02, W3052.03, W3052.04, W3052.05, W3052.06, W3052.07, W3052.08, W3052.09, W3052.10, W3052.11, W3052.12, W3052.13, W3052.14, W3052.15.
Neoromicia nana (Peters, 1852):
INPBC: V3090, V3112.01, V3112.02, V3112.03, V3112.04, V3112.05, V3112.06, V3112.07, V3112.08, V3112.09, V3112.10, V3112.11, V3112.12, V3112.13, V3112.14, V3112.15, V3112.16, V3112.17, V3112.18, V3112.19, V3112.20, V3112.21, V3112.22, V3112.23, V3112.24, V3112.25, V3112.26, V3112.27, V3112.28, V3112.29, V3112.30, V3112.31, V3112.32, V3112.33, V3112.34, V3112.35, V3112.36, V3112.37, V3112.38, V3112.39, V3112.40, V3112.41, V3112.42, V3112.43,

V3112.44, V3112.45, V3112.46, V3112.47, V3112.48, V3112.49, V3112.50, V3112.51, V3112.52, V3112.53, V3112.54, V3112.55, V3112.56, V3112.57, V3112.58, V3112.59, V3112.60, V3112.61, V3112.62, V3112.63, V3112.64, V3112.65, V3112.66, V3112.67, V3112.68.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
INPBC: V1904, V3146A, V3146B, V3146C, V3146D, V3146E, V3146F, V3146G.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 4771

SE 01030Dc:

Chaerephon ansorgei (Thomas, 1913):
RMCA: 81.012-M-0049, 81.012-M-0050, 81.012-M-0051, 81.012-M-0052, 81.012-M-0053, 81.012-M-0054, 81.012-M-0055, 81.012-M-0056, 81.012-M-0057, 81.012-M-0058, 81.012-M-0059.
Epomophorus labiatus (Temminck, 1837):
RMCA: 80.055-M-0049, 80.055-M-0050, 80.055-M-0051.
Nycteris hispida (Schreber, 1774):
RMCA: 81.012-M-0030, 81.012-M-0031, 81.012-M-0032, 81.012-M-0033, 81.012-M-0034.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
INPBC: V3085A, V3085B.
Tadarida fulminans (Thomas, 1903):
RMCA: 37970, 37971, 37972, 37973, 37974, 37975, 37976, 37977, 37978, 37979, 37980, 37981, 37982, 81.012-M-0047, 81.012-M-0103, 81.012-M-0104

SE 02030Ba:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 66858, 66859, 66860, 66861, 66862

SE 01030Db:

Eidolon helvum (Kerr, 1792):
ZMB: 66523, 67037, 67038, 67039, 67040, 67041, 67043, 67146, 67147, 67148, 67149, 67152, 67153

SE 01030Dd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 74.023-M-0001, 74.023-M-0002, 74.023-M-0003.
Nycteris hispida (Schreber, 1774):
ZMA: MAM.21230

SE 01031Ba:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 192938, 193055.
Epomophorus labiatus (Temminck, 1837):
LACM: 61461, 61462, 61463, 61464. - **SMF:** 70461.
Epomops franqueti (Tomes, 1860):
FMNH: 192924, 192925, 192926, 192927, 192928, 192929, 193046, 193047, 193048, 193049.
Glauconycteris gleni Peterson and Smith, 1973:
FMNH: 192939, 192940, 192941, 193056, 193057, 193058.
Glauconycteris humeralis J.A. Allen, 1917:
FMNH: 192942, 192943, 192944, 192945, 192946, 193059, 193060, 193061, 193062, 193063, 193064.
Glauconycteris poensis (Gray, 1842):
FMNH: 192947, 192948, 192949, 192950, 193065, 193066, 193067, 193068, 193069.
Hipposideros Gray, 1831:
FMNH: 166976.
Hipposideros caffer (Sundevall, 1846):
FMNH: 192930, 192931, 192932, 192933, 192934, 192935, 193050, 193051, 193052, 193053, 193054.
Mimetillus moloneyi (Thomas, 1891):
FMNH: 192951.
Neoromicia nana (Peters, 1852):
FMNH: 192952, 192953, 192954, 192955, 193070, 193071, 193072.
Neoromicia tenuipinnis (Peters, 1872):
FMNH: 192956.
Nycteris grandis Peters, 1865:
FMNH: 192936.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 192937

SE 01031Bd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 35689.
Epomops franqueti (Tomes, 1860):
ZMB: 10035.

Myonycteris angolensis (Bocage, 1898):
ZMB: 10246.
Neoromicia nana (Peters, 1852):
MHNG: 740.003a, 740.003c, 740.003d, 740.003e, 740.003f, 740.003g.
Neoromicia tenuipinnis (Peters, 1872):
ZMB: 54277.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1380, 1964.1381, 1964.1382, 1964.1383.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMB: 10233, 10234, 54199, 54200, 54522, 67230, 67231, 67239, 67240

SE 01033Cc:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1964.1334, 1964.1335.
Nycteris hispida (Schreber, 1774):
BMNH: 1964.1339

SE 02033Aa:

Epomophorus labiatus (Temminck, 1837):
MCZ: 26683, 26689

SE 01033Db:

Epomophorus labiatus (Temminck, 1837):
ROM: 56504, 56505, 56506, 56510, 56511, 56514.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 56515.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1376, 1964.1377, 1964.1378, 1964.1379

SE 01033Dd:

Hipposideros ruber (Noack, 1893):
BRTC: 29150

SE 01034Cc:

Epomophorus labiatus (Temminck, 1837):
ROM: 56507, 56508, 56509, 56512

SE 01034Bd:

Epomophorus labiatus (Temminck, 1837):
FMNH: 123791.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 123792, 123793, 123794, 123795, 123796.
Nycteris hispida (Schreber, 1774):
FMNH: 123798, 123799, 123800, 123801, 123802, 123803, 123804, 123805, 134442, 153531.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 123797.
Scotoecus hirundo (de Winton, 1899):
SMF: 48672, 48673, 48674

SE 01034Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RBINS: 15619

SE 01035Ac:

Epomophorus wahlbergi (Sundevall, 1846):
CM: 102072, 102073, 102074, 102077, 102078, 102079, 102080, 102083, 102084, 102085. - **ZMA:** MAM.21752.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.21659, MAM.21660.
Pipistrellus hesperidus (Temminck, 1840):
CM: 102215, 102227.
Scotoecus hirundo (de Winton, 1899):
USNM: 350996

SE 01035Ca:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.21662.
Mops (Mops) Lesson, 1842:
ZMA: MAM.21663.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
ZMA: MAM.22108, MAM.22109

SE 01035Ab:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
YPM: MAM 003086, MAM 003087.
Neoromicia capensis (A. Smith, 1829):
USNM: 350979.
Rhinolophus Lacépède, 1799:
YPM: MAM 003449.
Scotophilus dinganii (A. Smith, 1833):
CAS: 24601, 24602

SE 01035Ad:

Eidolon helvum (Kerr, 1792):
ROM: 91153. - **WNMU:** 548.
Eidolon helvum helvum (Kerr, 1792):
ROM: 48668.
Epomophorus labiatus (Temminck, 1837):
ROM: 38046, 39505, 39506, 39507, 39508.
Epomophorus wahlbergi (Sundevall, 1846):
WAM: M16574.
Hipposideros caffer (Sundevall, 1846):
ROM: 37242, 48545, 48546, 48547, 48548, 48549, 48550, 48551, 48552, 48553, 48554.
Kerivoula lanosa (A. Smith, 1847):
BMNH: 1970.725.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 65680, 65688.
Miniopterus natalensis (A. Smith, 1833):
ROM: 65681, 65682, 65683, 65684, 65685, 65686, 65687, 65689, 65690, 65691, 65692.
Myonycteris angolensis (Bocage, 1898):
ROM: 37243.
Myotis bocagii (Peters, 1870):
ROM: 37241, 37244.
Neoromicia zuluensis (Roberts, 1924):
ROM: 78204.
Nycteris aurita (K. Andersen, 1912):
ROM: 78041.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 73238.
Rhinolophus hildebrandtii Peters, 1878:
WAM: M16552.
Scotoecus hirundo (de Winton, 1899):
ROM: 78265. - **WAM:** M16525

SE 01035Ba:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MSU: MR.11561, MR.11562.
Nycteris G. Cuvier and E. Geoffroy, 1795:
MSU: MR.11563

SE 01035Bb:

Pipistrellus hesperidus hesperidus (Temminck, 1840):
USNM: 162106

SE 01035Bd:

Scotoecus hindei Thomas, 1901:
ROM: 48714

SE 01035Dd:

Nycteris hispida (Schreber, 1774):
CAS: 11914.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1975.2877. - **ROM:** 68421, 68422

SE 01036Cc:

Chaerephon ansorgei (Thomas, 1913):
ROM: 71377, 71378, 71379, 71380, 71385, 71386, 71395, 71396, 71400, 71403, 71406.
Chaerephon bemmeleni (Jentink, 1879):
ROM: 71397, 71402.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 71374.
Epomophorus labiatus (Temminck, 1837):
RMNH: MAM.19503.
Epomophorus minimus Claessen & De Vree, 1991:
BMNH: 1975.2407.
Epomophorus minor Dobson, 1880:
BMNH: 1975.2407_1, 1975.2407_2, 1975.2407_3. - **ROM:** 71348, 71349, 71350, 71351, 71352, 71353, 71354, 71355, 71356, 71357, 71358, 71359, 71360, 71361, 71392, 71393.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1975.2414, 1975.2414_1, 1975.2414_2, 1975.2415. - **ROM:** 71367, 71368, 71369, 71370, 71371, 71387, 71388.
Eptesicus hottentotus (A. Smith, 1833):
ROM: 71381, 71382.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 11391, 11394, 67836, 67839.
Neoromicia nana (Peters, 1852):
ROM: 71417, 71418.
Neoromicia zuluensis (Roberts, 1924):
ROM: 71407, 71408, 71411, 71412, 71413, 71414, 71415, 71416.
Nycteris hispida (Schreber, 1774):
ROM: 71372.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 71373, 71419, 71420.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 71362, 71363, 71364, 71365, 71366, 71389, 71390, 71391.
Scotophilus dinganii (A. Smith, 1833):
ROM: 71394, 71401

SE 01036Ab:

Miniopterus africanus Sanborn, 1936:
USNM: 351020, 351021, 351022, 351023, 351024, 351025, 351026, 351027, 351028, 351029.
Miniopterus inflatus Thomas, 1903:
ZMA: MAM.19692, MAM.23461.
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015:
FMNH: 135043, 135044, 135045, 135046, 135047, 135048, 153023, 153024, 153025, 153026. - **MCZ:** 51721. - **MVZ:** 137042. - **ROM:** 35682, 36523, 38598, 41911, 41912, 41913, 41914, 41915, 41916, 41917, 41918, 41919, 41920, 41921, 45945, 66032, 66033, 66246, 66247, 66248, 66249, 66250, 66251, 66252, 66253, 66254, 66255, 66256, 66257, 66258, 66259, 66260, 66261, 66262, 66263, 66264, 66265, 66266, 66267, 66268, 66269, 66270, 66271, 66272, 66273, 66274, 66275, 66276, 66277, 66278, 66279, 66280, 66281, 66282, 66283, 66284, 66285, 78146, 78147, 78148, 78149, 91249, 91250. - **TTU:** 37539. - **USNM:** 351064, 351065, 351066, 351067, 351068, 351069, 351070, 351071, 351072, 351073, 351261, 354981, 354982, 354983. - **WNMU:** 347.
Otomops martiensseni (Matschie, 1897):
WAM: M16549, M16550, M16551. - **ZMA:** MAM.21712, MAM.21713, MAM.21714, MAM.21715, MAM.21716, MAM.21718, MAM.21719, MAM.21720, MAM.21721, MAM.21722, MAM.21723, MAM.21724, MAM.21725, MAM.21726, MAM.21727, MAM.21728, MAM.21729, MAM.21730, MAM.21731, MAM.21732, MAM.21733, MAM.21734, MAM.21735, MAM.21736, MAM.21737, MAM.21738, MAM.21739, MAM.21740, MAM.21741, MAM.21742, MAM.21743, MAM.21744, MAM.21745, MAM.21746, MAM.21759, MAM.23460.
Rhinolophus lobatus Peters, 1852:
FMNH: 152588, 152589. - **USNM:** 350924, 350925, 350926, 350927.
Rhinolophus simulator K. Andersen, 1904:
USNM: 351223

SE 01036Cb:

Cardioderma cor (Peters, 1872):
USNM: 350873. - **YPM:** MAM 005622.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 68376, 73239

SE 01036Cd:

Cardioderma cor (Peters, 1872):
FMNH: 67870, 67871, 67872. - **ROM:** 36296, 78025. - **USNM:** 536111.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 36442.

Epomophorus minimus Claessen & De Vree, 1991:
FMNH: 152289. - **ROM:** 71100, 71101, 71102. - **USNM:** 308738, 308739, 308740, 308741. - **WNMU:** 3064.
Epomophorus minor Dobson, 1880:
CAS: 11906, 11907. - **USNM:** 308737.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 71103, 71104, 71105. - **USNM:** 308742, 308743, 308744, 308745.
Neoromicia zuluensis (Roberts, 1924):
ROM: 36348.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 152491. - **ROM:** 36285, 36286.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 36377, 40337, 71106, 71107.
Rhinolophus Lacépède, 1799:
CAS: 24712, 24713

SE 01036Ba:

Chaerephon pumilus (Cretzschmar, 1826):
CAS: 11985, 11986, 11987, 11988, 11989, 11990, 11991, 11992, 11993, 11994.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1911-1020, ZM-MO-1911-1021.
Hipposideros megalotis (Heuglin, 1861):
MNHN: ZM-MO-1911-1023.
Mops (Mops) condylurus (A. Smith, 1833):
CAS: 12006.
Neoromicia nana (Peters, 1852):
RMCA: 35582.
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015:
AMNH: 207084. - **MNHN:** ZM-MO-1966-185, ZM-MO-1966-186. - **RMCA:** 33984. - **ROM:** 36516, 36517, 36518, 36519, 36520, 36521, 36522, 41923, 41924, 41925, 41926, 41927, 41928, 41929, 41930, 41931, 41932, 41933, 41934, 41935, 41936, 41937, 78150, 78151, 78152, 78153, 78154.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 36306.
Rhinolophus lobatus Peters, 1852:
ROM: 38298, 73273.
Stenonycteris lanosus (Thomas, 1906):
LACM: 19527, 19528, 19529, 19530, 19531

SE 01036Bc:

Chaerephon pumilus (Cretzschmar, 1826):
KU: 41119.
Epomophorus wahlbergi (Sundevall, 1846):
MCZ: 22772. - **ROM:** 91152. - **USNM:** 350802, 350804, 350805. - **ZMA:** MAM.21700, MAM.21701, MAM.21702, MAM.21703, MAM.21704, MAM.21705, MAM.21706, MAM.21707.
Glauconycteris argentata (Dobson, 1875):
FMNH: 152689, 152690. - **MCZ:** 31879, 31882, 31883, 31885, 31886, 31887, 32052, 32053, 32054, 32055, 32056, 32057. - **ROM:** 36384, 36385, 83011, 91238. - **USNM:** 268759.
Hipposideros caffer (Sundevall, 1846):
ROM: 38300, 68455, 68456.
Hipposideros ruber (Noack, 1893):
USNM: 436634, 436635, 436636, 436637, 436638, 436639, 436640, 436641, 436642, 436643, 436644, 436645, 436646, 436647, 436648, 436649, 436650, 436651, 436653, 436654.
Nycteris macrotis Dobson, 1876:
USNM: 350857.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 36284, 68415, 68416, 78029, 78030. - **USNM:** 301524, 350856, 350858, 350871, 436500, 436501, 436502, 436503, 436504, 436505, 436506.
Pipistrellus hesperidus (Temminck, 1840):
ROM: 36361, 36362, 36363, 36366, 36367, 68412, 68413, 73269, 73270, 73271. - **USNM:** 350971, 350972, 350973.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 152747, 152748, 152749, 152752, 152753, 67933. - **KU:** 41118. - **ROM:** 78228, 78229, 78230. - **USNM:** 350970, 350974.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 38284.
Rhinolophus hildebrandtii Peters, 1878:
WAM: M16548.
Rhinolophus hillorum Koopman, 1989:
AMNH: 189478.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.21697.
Scotophilus dinganii (A. Smith, 1833):
CAS: 12199. - **FMNH:** 152803, 152804, 152805, 86013, 86014, 86599, 86600, 86601, 86602, 86603, 86604. - **ROM:** 36378, 78808. - **SMF:** 25842, 25843, 25844, 25845, 25846, 25847, 25848, 25849, 25850, 25851. - **USNM:** 350990, 350991, 350992.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
LACM: 10619

SE 01036Bb:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 68187, 78433, 78434, 78435, 78436, 78437, 79682, 79683, 81205, 81206, 81207, 81208, 81209, 81210, 81211.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 237321, 237322. - **CAS:** 12196. - **KU:** 41116. - **ROM:** 68104, 68149, 68150. - **SMF:** 48663, 48664, 48666, 48667, 48668.
Hipposideros caffer (Sundevall, 1846):
CAS: 12197. - **FMNH:** 73077, 73078, 73079, 73080, 73081, 86537, 86538, 86539, 86540, 86541, 86542, 86543, 86544, 86545, 86546.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 45957, 45958, 45959, 45960, 75987, 75988, 75989, 75990, 75991, 75992, 75993, 75994, 75995, 75996, 75997, 75998, 75999, 76000, 76004, 76005, 76006, 76007, 76008, 76009, 76010, 76011, 76012, 76013, 76014, 76015, 76016. - **USNM:** 351075, 351076, 351077, 351078, 351079, 351080, 351081, 351082, 351083, 351084, 351085.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
HZM: 13.2708.
Myotis bocagii (Peters, 1870):
SMF: 48675.
Neoromicia capensis (A. Smith, 1829):
SMF: 35851.
Nycteris macrotis Dobson, 1876:
FMNH: 73084, 73085.
Scotophilus dinganii (A. Smith, 1833):
ROM: 41831, 68173, 68174. - **USNM:** 436779, 436780, 436781, 436782, 436783, 436784, 436785, 436786

SE 01036Bd:

Chaerephon pumilus (Cretzschmar, 1826):
CAS: 11982, 11983, 11984, 11996. - **FMNH:** 67946, 67947, 67948, 67949. - **ROM:** 28167, 28169, 41830, 45942, 45943, 76151, 76152, 76153, 76154, 76155, 76156, 76157, 76158, 76159, 76160, 76161, 76162, 76163, 76164, 76165, 76166, 76167, 76168, 76169, 76170, 76171, 76208, 76209, 76210, 76211, 76212, 76216, 76217, 76218, 91573. - **SMF:** 19982. - **USNM:** 351090, 351091, 351092, 351093, 351094, 351095, 351096, 351097, 351098, 351099, 351100, 351101, 351102, 351103, 351104, 351105, 351106, 351107, 351108, 351109, 351110, 351111, 351112, 351113, 351114, 351115, 351149, 351150, 351274.
Epomophorus Bennett, 1836:
YPM: MAM 005623, MAM 005727.
Epomophorus labiatus (Temminck, 1837):
CUMV: 12718.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 82362. - **BMNH:** 1975.2836. - **FMNH:** 152295, 152296, 152297, 152298, 152299, 152300. - **LACM:** 19534. - **MVZ:** 137005, 137006, 137007, 137008, 137009, 137010, 137011, 137012, 137013, 137014, 137015, 137016, 137017, 137018, 137019, 137020, 137021, 137022, 137023, 137024, 137025, 137026, 137027, 137028, 137029, 137030, 137031, 137032, 137033, 137034, 137035, 137036, 137037, 137038, 137039, 137040, 137041. - **ROM:** 36226, 41790, 41795, 59262, 59263, 59264, 81196, 81202. - **SMF:** 19979, 19980, 19981, 57516, 57517, 57518. - **USNM:** 436383, 436384, 436385. - **WAM:** M16572.
Glauconycteris Dobson, 1875:
MSU: MR.6157.
Glauconycteris argentata (Dobson, 1875):
CAS: 12552. - **FMNH:** 152688, 152691, 152692. - **ROM:** 36386, 36387, 36388, 36389, 36390, 63788, 63790, 63814, 63815, 63816, 63817, 63818, 63819, 63853, 63854, 68513, 68514, 68515, 68516, 68517, 68518, 68519, 68520, 68521, 68522, 68523, 68524, 81200, 81201, 83012, 83013. - **WNMU:** 387, 6812, 79.
Glauconycteris variegata (Tomes, 1861):
ROM: 68487.
Hipposideros caffer (Sundevall, 1846):
CAS: 12551. - **FMNH:** 152615, 152616, 67926. - **MNHN:** ZM-MO-1905-192. - **ROM:** 36318, 68590, 73148, 77868, 83926. - **USNM:** 166390, 166392, 436652. - **WAM:** M16512, M21208, M21209.
Hipposideros ruber (Noack, 1893):
USNM: 164021, 166391, 436614, 436615, 436616, 436617, 436618, 436619, 436620, 436621, 436622, 436623, 436624, 436625, 436626, 436627, 436628, 436629, 436630, 436631, 436632, 436633, 436655, 436656.
Kerivoula argentata Tomes, 1861:
LACM: 19474.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 17211, 17212, 21281, 21282. - **ROM:** 35314, 77914, 77915, 77917, 91163. - **USNM:** 166646, 536115, 536116, 536117.
Miniopterus natalensis (A. Smith, 1833):
USNM: 351012.
Mops (Mops) condylurus (A. Smith, 1833):
CAS: 12004, 12005. - **FMNH:** 152993, 152994, 152995, 67689, 67940. - **ROM:** 45961, 45962, 45963, 68542, 68543, 68544, 68565. - **USNM:** 437142, 437143, 437144, 437145, 437146, 437147, 437148, 437149, 437150, 437151, 437152.
Myonycteris angolensis (Bocage, 1898):
YPM: MAM 005725, MAM 005726, MAM 005728.
Myotis bocagii (Peters, 1870):

SMF: 57585.
Neoromicia capensis (A. Smith, 1829):
CAS: 11954. - **ROM:** 78211. - **USNM:** 436730.
Nycteris aurita (K. Andersen, 1912):
ROM: 78042, 78043, 78044.
Nycteris hispida (Schreber, 1774):
USNM: 166517.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1975.2444. - **CAS:** 11911. - **NMW:** 10324. - **ROM:** 73272, 77397, 78034. - **SMNS:** 29336. - **WAM:** M16502.
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015:
ROM: 79677.
Pipistrellus hesperidus (Temminck, 1840):
HZM: 123.4073.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 152750, 152751. - **USNM:** 172899.
Rhinolophus Lacépède, 1799:
MSU: MR.6154.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 38283.
Rhinolophus hildebrandtii Peters, 1878:
USNM: 436564.
Rhinolophus lobatus Peters, 1852:
FMNH: 152587. - **SMF:** 19447. - **USNM:** 166354, 166355, 166356, 166357, 166358, 166359, 166360, 166361, 166362, 166363, 350929. - **WAM:** M16521.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 41782, 41783, 41784.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1975.2612, 1975.2613, 1975.2614. - **CAS:** 11955, 11956, 11957, 11958, 11959, 11960. - **FMNH:** 67690. - **ROM:** 28168, 38281, 68467, 68482, 68483, 68564, 73142, 73143, 73144, 73145, 73146, 73147, 73149, 73150, 73169, 73170, 73171, 73172, 73173, 73174, 79827, 81197, 81203, 81204. - **SMF:** 19410, 19411, 19460, 19860, 19861, 38446, 38447. - **USNM:** 162109, 164015, 166528, 166533, 166534, 166535, 166536, 166537, 166538, 301520, 350987, 350988, 350989, 436777, 436778.
Scotophilus nigrita (Schreber, 1774):
BRTC: 27863. - **HNHM:** 60.256.1.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
ROM: 79681.
Tadarida fulminans (Thomas, 1903):
USNM: 351074.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
CAS: 11910. - **FMNH:** 153067, 153068, 67691

SE 01037Aa:

Chaerephon pumilus (Cretzschmar, 1826):
CAS: 11973. - **ROM:** 36439.
Mops Lesson, 1842:
KU: 151987.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 67941, 67942, 67943. - **USNM:** 351275, 351276, 351277, 351278, 351279, 351280, 351281, 351282, 351283, 351284, 351285, 351286, 351287, 351288, 351289, 351290, 351291, 351292, 351293, 351294, 351295, 351296, 351297, 351298, 351299, 351300, 351301, 351302, 351303, 351304, 351305, 351306, 351307, 351308, 351309, 351310, 351311, 351312, 351313, 351314, 351315, 351316, 351317, 351318.
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
ROM: 68368, 68369, 68370

SE 01037Ac:

Chaerephon pumilus (Cretzschmar, 1826):
CAS: 11974, 11975, 11976, 11977, 11978, 11979, 11980, 11981, 11995. - **FMNH:** 17209.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 152532. - **USNM:** 166647, 166648, 166649.
Miniopterus natalensis (A. Smith, 1833):
USNM: 166595, 166596, 351013.
Neoromicia capensis (A. Smith, 1829):
FMNH: 17210, 18428. - **ROM:** 78205.
Neoromicia somalica (Thomas, 1901):
FMNH: 18427.
Rhinolophus hildebrandtii Peters, 1878:
USNM: 166650, 166651.
Scotophilus dinganii (A. Smith, 1833):
CAS: 11961, 11962, 11963

SE 01037Ca:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 436927, 436928, 436929, 436930, 436931, 436932, 436933, 436934, 436935, 436936, 436937, 436938, 436939, 436940, 436941, 436942, 436943, 436944, 436945.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 162089.
Pipistrellus Kaup, 1829:
WNMU: 6436, 6437, 6438

SE 01037Cc:

Chaerephon pumilus (Cretzschmar, 1826):
CUMV: 14489, 14490, 14491, 14492, 14493, 14494, 14495, 14496, 14497, 14498, 14499, 14500, 14501, 21175, 21176. - **ROM:** 36440, 73242, 77688, 77689, 77690, 77691, 77692, 88188, 88189, 88190, 88191, 88192, 88193, 88194, 88195, 88196, 88198, 88199, 88200, 88201, 88202, 88203, 88204, 88205, 88206, 88207, 88208, 88209, 88210, 88211, 88212, 88213, 88214, 88215, 88216, 88217, 88218, 88219, 88220.
Epomophorus wahlbergi (Sundevall, 1846):
CUMV: 13686. - **RMNH:** MAM.27111. - **ROM:** 38369, 38371, 38374, 38375, 38377.
Neoromicia nana (Peters, 1852):
ROM: 100150, 100151, 100152, 100153.
Nycteris hispida (Schreber, 1774):
CUMV: 14725.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMNH: MAM.27127.
Scotoecus hindei Thomas, 1901:
ROM: 100126, 100128, 100129, 100130, 100131, 100132, 100133, 100134, 100135, 100136, 100137, 100144, 100145, 100146, 100148.
Scotophilus dinganii (A. Smith, 1833):
RMNH: MAM.28667

SE 01037Ab:

Chaerephon pumilus (Cretzschmar, 1826):
BRTC: 27865, 27866, 27867, 27868. - **FMNH:** 152938. - **ROM:** 63784, 63785, 63797, 63798, 63799, 63800, 63801, 63802, 63820, 63821, 63822, 63823, 63824, 63825, 63826, 63827, 63828, 63829, 63830, 63831, 63832, 63833, 63834, 63835, 63836, 63837, 63838, 63839, 63840, 63841, 63842, 63843, 63844, 63845, 63846, 63847, 63848, 63849, 63850, 63851, 63852, 63873, 63874, 63875, 63876, 63877, 71422, 71426. - **WNMU:** 373.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 152311, 152312. - **ROM:** 63882.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 63881.
Myotis bocagii (Peters, 1870):
BRTC: 27854, 27855, 27856, 27857. - **NMK:** 8049. - **ROM:** 63863, 63864, 63865, 63866, 63867, 63868.
Neoromicia nana (Peters, 1852):
ROM: 63857, 63858, 63859, 63860, 63861, 63862.
Pipistrellus nanulus Thomas, 1904:
BRTC: 27859, 27860, 27861, 27862.
Rhinolophus lobatus Peters, 1852:
FMNH: 152586. - **ROM:** 63855, 63856, 63869, 63870, 63871, 63872. - **WNMU:** 566.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 63883.
Scotoecus hirundo (de Winton, 1899):
ROM: 71421

SE 01037Cb:

Chaerephon bivittatus (Heuglin, 1861):
FMNH: 67952. - **KU:** 41120.
Chaerephon nigeriae Thomas, 1913:
RMCA: 35265a, 35574, 35575, 35578, 35579.
Chaerephon pumilus (Cretzschmar, 1826):
CUMV: 13617, 13629, 13630, 13631, 13632, 13633, 14180, 14181, 14182, 14183, 14184, 14185, 14186, 14187, 14188, 14189, 14190, 14191, 14192, 14193, 14194, 14454, 14678, 14679, 14680, 14681, 14682, 14683, 14684, 14685, 14686, 14687, 14688, 14689, 14690, 14691. - **RMCA:** 35265b, 35576, 35577. - **ROM:** 36441, 48604, 48605, 48606, 48607, 48608, 48609, 48610, 48611, 48612, 48613, 48614, 48615, 48616, 48617, 48618, 48619, 48620, 48621, 48622, 48623, 48624, 48625, 48626, 48627, 48628, 48629, 48630, 48631, 48632, 48633, 48634, 48635, 48636, 48637, 48638, 48639, 48640, 48641, 48642, 48643, 48644, 48645, 48646, 48647, 68593, 68594, 68595, 68596, 68597, 68598, 68599, 71144, 71145, 71146, 71147, 71148, 88197, 90407, 90408, 90409, 90410, 90411, 90412, 90413, 90414, 90415, 90416, 90417, 90418, 90419, 90420, 90421, 90422, 90423, 90424, 90425, 90426, 90427, 90428, 90429, 90430, 90431, 90432, 90433, 90434, 90435, 90436, 90437, 90438, 90439, 90440, 90441, 90442, 90443, 98986, 98987, 98988, 98989, 98990, 98991, 98992, 99039, 99040, 99042, 99043, 99044, 99045, 99046, 99047, 99048, 99049, 99050, 99051, 99052, 99053, 99054, 99076.
Epomophorus labiatus (Temminck, 1837):
CUMV: 13616, 13625, 14724, 14732.

Epomophorus wahlbergi (Sundevall, 1846):
CUMV: 14731. - **LACM:** 31743, 36057, 36476. - **RMNH:** MAM.27098, MAM.27246, MAM.27247, MAM.27248, MAM.27250, MAM.27251, MAM.27253, MAM.27254, MAM.32069. - **ROM:** 71427.
Hipposideros caffer (Sundevall, 1846):
CUMV: 13620. - **ROM:** 90444, 90445, 90446, 90447, 90448, 90449, 90450, 90451.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 71428.
Macronycteris vittatus (Peters, 1852):
FMNH: 67927, 67928.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 71149, 71150, 71151.
Myotis bocagii (Peters, 1870):
CUMV: 13607, 13627, 13628, 14726.
Neoromicia capensis (A. Smith, 1829):
CUMV: 13662.
Neoromicia nana (Peters, 1852):
CUMV: 13618, 13634, 13635, 13667, 13668, 13669, 13670, 14195, 14196, 14197, 14198, 14502, 14503, 14506, 14507, 14508, 14509, 14510. - **HZM:** 262.12450, 263.12451, 264.12452, 265.12453, 305.17389, 307.17391, 308.17392. - **RMCA:** 35268b. - **ROM:** 100154, 100155, 100156, 102795, 36342, 36343, 36344, 36345, 36346, 36347, 71168, 71169, 71170, 71171, 71341, 71342, 71343, 71344, 71345, 71346, 71347, 77682, 77683, 77684, 77685, 77686, 77687, 88183, 88184, 88185, 88186, 88187, 88221, 88222, 90452, 90453, 90454, 90455, 90456, 90457, 98969, 98970, 98971, 98972, 98973, 98974, 98975, 98976, 98977, 98978, 98979, 98980, 98981, 98982, 98983, 99055, 99056, 99057, 99058, 99059, 99060, 99061, 99066, 99067, 99070, 99073, 99074, 99075, 99077, 99078, 99079.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
CUMV: 13659, 18806. - **RMNH:** MAM.KYONGO1361. - **ROM:** 48649, 48650, 48651, 48652, 48653, 71142, 71143, 71429, 71430, 91320, 91321, 91322, 91323, 91324, 91325.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 152754.
Rhinopoma cystops Thomas, 1903:
RMCA: 35268a.
Scotoecus hindei Thomas, 1901:
ROM: 100001, 100002, 100003, 100004, 100005, 100006, 100007, 100008, 100009, 100010, 100011, 100012, 100018, 100019, 100020, 100022, 100023, 100024, 100025, 100026, 100027, 100028, 100029, 100030, 100031, 100032, 100033, 100034, 100035, 100036, 100037, 100040, 100049, 100062, 100063, 100068, 99996, 99997, 99998, 99999.
Scotophilus dinganii (A. Smith, 1833):
CAS: 12200. - **ROM:** 79676, 99041.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
CUMV: 13732, 14467, 14468, 14469, 14470, 14471, 14472, 14473, 14474, 14475, 14476, 14477, 14478, 14479, 14480, 14481, 14482, 14483, 14484, 14485, 14486, 14487, 14488, 14696, 14697, 14698, 14699, 14700, 14701, 14702, 14703, 14704, 14705, 14706, 14707, 14708, 14709, 14710, 14711, 14712, 14713, 14714, 14715, 14716, 14717, 14718, 14719, 14720, 14721, 14722, 14723. - **LACM:** 36007, 36584, 36585, 73981, 73982, 73983, 73984, 73985, 73986, 73987, 73988, 73989, 73990, 73991, 73992. - **ROM:** 100048, 100050, 100051, 100054, 100056, 100058, 100061, 100064, 100065, 100066, 100067, 100070, 100071, 100072, 100073, 100074, 100075, 100076, 100125, 100138, 100141, 100142, 100143, 100147, 79679, 85748, 85749, 85750, 85751, 85752, 85753, 85754, 85755, 85756, 88228, 88229, 88230, 88231, 88232, 88233, 88234, 88235, 88236, 91326, 91327, 91328, 91329, 91330, 91331, 91332, 91333, 91334, 91335, 91336, 91337, 91338, 91339, 91340, 91341. - **UMMZ:** 114851

SE 01037Cd:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 100047.
Epomophorus labiatus (Temminck, 1837):
CUMV: 13687.
Neoromicia nana (Peters, 1852):
ROM: 100013, 100014, 100015, 100016, 100017, 100021, 100041, 100042, 100043, 100044, 100045, 100046, 100052, 100053, 100055, 100057, 100059, 100060.
Scotoecus hindei Thomas, 1901:
ROM: 100140

SE 01037Bc:

Chaerephon pumilus (Cretzschmar, 1826):
CUMV: 13663, 13664

SE 02037Ba:

Hipposideros caffer (Sundevall, 1846):
ROM: 100115.
Nycteris hispida (Schreber, 1774):
BMNH: 1901.12.9.1.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1898.5.16.8. - **RMCA:** 35580, 35581

SE 01038Ac:

Chaerephon pumilus (Cretzschmar, 1826):
ZMB: 5264.
Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 5381.
Kerivoula argentata Tomes, 1861:
ROM: 36421.
Laephotis wintoni Thomas, 1901:
BMNH: 1901.5.6.5.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 5260.
Neoromicia nana (Peters, 1852):
ZMB: T10105.
Nycteris hispida (Schreber, 1774):
ZMB: 5262.
Nycteris macrotis Dobson, 1876:
BMNH: 1901.5.6.4.
Rhinolophus fumigatus Rüppell, 1842:
BMNH: 1901.5.6.3.
Scotoecus hindei Thomas, 1901:
BMNH: 1901.2.5.1.
Scotophilus dinganii (A. Smith, 1833):
ZMB: 5263

SE 01039Bb:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
LACM: 19791

SE 01040Aa:

Cardioderma cor (Peters, 1872):
AMNH: 187327, 187328, 187329, 187330, 187331, 187332, 187333, 187334, 187335, 187336, 187337, 187338.
Epomophorus minimus Claessen & De Vree, 1991:
AMNH: 187268.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 187264, 187265, 187266, 187267, 187269.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 187342, 187343, 187344.
Nycteris aurita (K. Andersen, 1912):
AMNH: 187310, 187311, 187323, 187324, 187325.
Nycteris macrotis Dobson, 1876:
AMNH: 187288, 187300, 187301, 187302, 187303, 187304, 187305, 187306, 187307, 187308, 187309, 187312, 187313, 187314, 187315, 187316, 187317, 187318, 187319, 187320, 187322, 187705. - **CM:** 45487, 45488.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 187289, 187321

SE 01040Ac:

Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 206676, 206677, 206678, 206679, 206680, 206681.
Nycteris aurita (K. Andersen, 1912):
AMNH: 206686

SE 01040Ca:

Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 206675.
Glauconycteris kenyacola Peterson, 1982:
ROM: 71305.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 71272, 71306, 71318, 71319, 71320.
Neoromicia nana (Peters, 1852):
ROM: 71310.
Neoromicia rendalli (Thomas, 1889):
ROM: 71302, 71312, 71313, 71431.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 71303, 71308, 71309.
Scotoecus hindei Thomas, 1901:
ROM: 71273, 71274, 71275, 71276, 71277, 71278, 71279, 71280, 71281, 71282, 71283, 71284, 71285, 71286, 71287, 71288, 71289, 71290, 71291, 71292, 71338, 71339.
Scotophilus dinganii (A. Smith, 1833):
ROM: 71294, 71295, 71296, 71297, 71299, 71300, 71317.

Scotophilus viridis (Peters, 1852):
ROM: 71316

SE 01040Ad:

Epomophorus minimus Claessen & De Vree, 1991:
ROM: 36223, 36224

SE 01040Da:

Cardioderma cor (Peters, 1872):
AMNH: 187326.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 187351.
Nycteris aurita (K. Andersen, 1912):
BMNH: 1952.1616, 1952.1617, 1952.1618.
Nycteris macrotis Dobson, 1876:
AMNH: 187296, 187297, 187298, 187299

SE 01040Dc:

Epomophorus wahlbergi (Sundevall, 1846):
LACM: 42802.
Pipistrellus rueppellii (Fischer, 1829):
LACM: 42841, 42842, 42843, 42844, 42845, 42846, 42847, 42848, 42849

SE 01040Bb:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 187352, 187353.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 187339, 187340, 187341.
Nycteris aurita (K. Andersen, 1912):
AMNH: 187290, 187291, 187292, 187293, 187294, 187295

SE 02009Db:

Nycteris grandis Peters, 1865:
BMNH: 1889.11.21.1.
PTEROPODIDAE Gray, 1821:
MNHN: ZM-AC-I-405

SE 02010Ab:

Chaerephon pusillus (Miller, 1902):
FMNH: 167678, 167777.
Hypsugo crassulus (Thomas, 1904):
FMNH: 167776.
Nycteris nana (K. Andersen, 1912):
FMNH: 167764.
Rhinolophus landeri Martin, 1838:
FMNH: 167770, 167771.
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
FMNH: 167759, 167760, 167761, 167762

SE 02010Ad:

Doryrhina cyclops (Temminck, 1853):
FMNH: 167772, 167773.
Glauconycteris Dobson, 1875:
FMNH: 167774.
Hypsugo crassulus (Thomas, 1904):
FMNH: 167775.
Megaloglossus woermanni Pagenstecher, 1885:
FMNH: 167756, 167757.
Myonycteris torquata (Dobson, 1878):
FMNH: 167758.
Nycteris arge Thomas, 1903:
FMNH: 167763.
Rhinolophus alcyone Temminck, 1853:
FMNH: 167765, 167766.
Rhinolophus landeri Martin, 1838:
FMNH: 167767, 167768, 167769

SE 02010Ba:

Neoromicia tenuipinnis (Peters, 1872):
SMNS: 2198

SE 02011Cc:

Neoromicia Roberts, 1926:
FMNH: 73839

SE 02011Ad:

Glauconycteris beatrix Thomas, 1901:
FMNH: 73840

SE 02012Ca:

Chaerephon Dobson, 1874:
ZMA: MAM.15721, MAM.15722, MAM.15723, MAM.15724, MAM.15725, MAM.15726, MAM.15727, MAM.15728, MAM.15729.
Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.15730

SE 02013Da:

Hipposideros caffer (Sundevall, 1846):
HZM: 244.40187.
Hipposideros ruber (Noack, 1893):
HZM: 77.40175, 78.40176.
Miniopterus inflatus inflatus Thomas, 1903:
HZM: 19.40182, 20.40183, 21.40184, 22.40185.
Triaenops afer Peters, 1877:
HZM: 40.40179, 41.40180

SE 02013Dc:

Glauconycteris alboguttata J.A. Allen, 1917:
HZM: 1.40172.
Glauconycteris beatrix Thomas, 1901:
HZM: 1.40181.
Hipposideros ruber (Noack, 1893):
HZM: 75.40173, 76.40174.
Hypsugo crassulus (Thomas, 1904):
HZM: 1.40190.
Mimetillus moloneyi (Thomas, 1891):
HZM: 10.40177.
Neoromicia brunnea (Thomas, 1880):
HZM: 1.40191.
Neoromicia nana (Peters, 1852):
HZM: 321.40186.
Neoromicia tenuipinnis (Peters, 1872):
HZM: 7.40170, 8.40171.
Nycteris hispida (Schreber, 1774):
HZM: 52.40188.
Pipistrellus nanulus Thomas, 1904:
HZM: 1.40189.
Triaenops afer Peters, 1877:
HZM: 39.40178

SE 02014Db:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 73841, 73842, 73843, 73844, 73845, 73846, 73847.
Micropteropus pusillus (Peters, 1868):
FMNH: 73821.
Neoromicia Roberts, 1926:
FMNH: 73838

SE 02016Aa:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 17403, 6577, 6581, 6582, 6583, 6584, 6585, 6586, 6587, 7252, 7253, 7254, 7308.
CHIROPTERA Blumenbach, 1779:
RMCA: 26912.
Eidolon helvum (Kerr, 1792):
RMCA: 27276, 27277, 27278, 27416a.

Hipposideros ruber (Noack, 1893):
BMNH: 1954.818, 1954.819. - **RMCA:** 20535, 20536.
Myotis bocagii (Peters, 1870):
RMCA: 20537, 20538, 27279, 27280, 27281, 27282.
Neoromicia rendalli (Thomas, 1889):
RMCA: 17404, 17405, 17406, 17407, 17408.
Nycteris hispida (Schreber, 1774):
RMCA: 20258.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 17402

SE 02016Ab:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 12002, 15516, 28543, 7256, 7438, 7439, 7658, 7659, 7751, 8166, 8167, 8168, 8169, 8170, 8171, 9709, 9710.
Eidolon helvum (Kerr, 1792):
RMCA: 10562, 10563, 10564, 10565, 10566, 10567, 10568, 10569, 10570, 10571, 10572, 10573, 10574, 10618, 10639, 10640, 10641, 10642, 27946, 28541, 6484, 6485, 6487, 6491, 6492, 6493, 6494, 6495, 6496, 6497, 6516, 6517, 6518, 6519, 6520, 6521, 6522, 7741, 7742, 7743, 7744, 7745, 7746, 7747, 7748, 7756, 7757, 7758, 7759, 7760, 7761, 7762, 7763, 7764, 7765, 7766, 8152, 8153, 8154, 8155, 8156, 8157, 8158, 8159, 8160, 8161, 8162, 8163, 8164, 8165, 8176a, 9706, 9712.
Epomops franqueti (Tomes, 1860):
AMNH: 86766, 86767, 86907. - **RMCA:** 7773, 9711.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 14169, 15421, 15422, 15509.
Macronycteris vittatus (Peters, 1852):
RMCA: 27940, 27941, 27942, 27943, 27944, 27945, 7291, 9707.
Micropteropus pusillus (Peters, 1868):
RMCA: 19544.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 20837.
Myotis bocagii (Peters, 1870):
RMCA: 14167, 14660, 15512, 15513, 15514, 20254.
Neoromicia capensis (A. Smith, 1829):
RMCA: 7783b.
Neoromicia nana (Peters, 1852):
RMCA: 14159, 14160, 14161, 14162, 14163, 14164, 14165, 14166, 15515, 7752, 7753, 7754, 7755.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 7783a.
Nycteris arge Thomas, 1903:
RMCA: 14168.
Nycteris hispida (Schreber, 1774):
RMCA: 20255a, 9391.
Nycteris macrotis Dobson, 1876:
RMCA: 28542.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 10616.
Saccolaimus peli (Temminck, 1853):
RMCA: 9708.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 10617, 20255b

SE 02016Ba:

Eidolon helvum (Kerr, 1792):
RMCA: 17399, 17401.
Epomops franqueti (Tomes, 1860):
RMCA: 17400

SE 02017Ba:

Eidolon helvum (Kerr, 1792):
RMCA: 2663.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 2662

SE 02018Ab:

Eidolon helvum (Kerr, 1792):
BMNH: 1927.3.1.47

SE 02018Cd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 21520.

Micropteropus pusillus (Peters, 1868):
RMCA: 21297.
Myotis bocagii (Peters, 1870):
RMCA: 21522.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 21523.
Saccolaimus peli (Temminck, 1853):
RMCA: 21521

SE 02021Ab:

Eidolon helvum (Kerr, 1792):
RMCA: 182, 183, 184, 185, 186, 187

SE 02023Dd:

Glauconycteris argentata (Dobson, 1875):
RMCA: 23635, 23636, 23637, 23638, 23639.
Nycteris hispida (Schreber, 1774):
RMCA: 23634.
Saccolaimus peli (Temminck, 1853):
RMCA: 23640

SE 02025Db:

Neoromicia nana (Peters, 1852):
RMCA: 18044

SE 02026Ca:

Hipposideros ruber (Noack, 1893):
RMCA: 32863

SE 02027Ad:

Epomops franqueti (Tomes, 1860):
RMCA: 79.010-M-0001, 79.010-M-0002, 79.010-M-0003

SE 02027Cb:

Eidolon helvum (Kerr, 1792):
RMCA: 15381, 15382, 15383, 15384, 15385.
Hipposideros camerunensis Eisentraut, 1956:
BMNH: 1963.1166.
Myonycteris angolensis (Bocage, 1898):
RMCA: 23177, 23178.
Neoromicia nana (Peters, 1852):
BMNH: 1963.1179

SE 02027Bb:

Neoromicia nana (Peters, 1852):
MCZ: 57539, 57540.
Nycteris hispida (Schreber, 1774):
MCZ: 46087

SE 02028Ac:

Epomophorus labiatus (Temminck, 1837):
RMCA: 34380a.
Epomops franqueti (Tomes, 1860):
RMCA: 34380b.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 34382, 34383, 34385, 34386.
Myonycteris torquata (Dobson, 1878):
RMCA: 34381, 34384

SE 02028Ca:

Epomops franqueti (Tomes, 1860):
RMCA: 35506.
Nycteris arge Thomas, 1903:
RMCA: 35507

SE 02028Cc:

Hipposideros ruber (Noack, 1893):
RMCA: 34801, 34802

SE 02028Ad:

Nycteris arge Thomas, 1903:
BMNH: 1962.1853, 1963.1169.
Nycteris intermedia Aellen, 1959:
BMNH: 1962.1850

SE 02028Cb:

Neoromicia nana (Peters, 1852):
RMCA: 15885

SE 02028Cd:

Hipposideros ruber (Noack, 1893):
RMCA: 75.017-M-0004, 75.017-M-0005

SE 02028Ba:

Epomops franqueti (Tomes, 1860):
RMCA: 36233.
Myonycteris angolensis (Bocage, 1898):
RMCA: 36230, 36231.
Neoromicia nana (Peters, 1852):
FMNH: 173297, 173298, 173299, 173300, 173301, 173302.
Rhinolophus kahuzi Fahr and Kerbis Peterhans, 2013:
FMNH: 219793.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
RMCA: 36228

SE 02028Bc:

Epomophorus labiatus (Temminck, 1837):
RMCA: 19654.
Myonycteris angolensis (Bocage, 1898):
RMCA: 36232.
Myonycteris torquata (Dobson, 1878):
RMCA: 36229.
Neoromicia nana (Peters, 1852):
NMP: 16873.
Rhinolophus lobatus Peters, 1852:
SMF: 31825, 31827, 31828.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RBINS: 13114.1, 13114.2, 13283, 13284. - **RMCA:** 19652, 19653, 28031, 28890, 28891, 28892.
Stenonycteris lanosus (Thomas, 1906):
USNM: 375232, 375233

SE 02028Dc:

Eidolon helvum (Kerr, 1792):
RMCA: 20689, 20690.
Megaloglossus woermanni Pagenstecher, 1885:
ZMA: MAM.24564, MAM.24565.
Myonycteris torquata (Dobson, 1878):
ZMA: MAM.24567.
Nycteris intermedia Aellen, 1959:
RMNH: MAM.16340

SE 02028Bb:

Eidolon helvum (Kerr, 1792):
FMNH: 173291. - **RMNH:** MAM.16356, MAM.16357, MAM.16384.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 180892, 180893.
Epomophorus crypturus Peters, 1852:
RMCA: 35071b.

Epomophorus labiatus (Temminck, 1837):
FMNH: 171625, 171626, 171627, 171628, 171629, 173292, 173293, 173294. - **RMCA:** 27505, 35070, 35071a. - **SMF:** 31792, 31793, 31795, 31803, 31809, 31810, 31811, 31812. - **SMNS:** 7289, 7290. - **ZMZ:** 14140, 15528, 15534, 15535, 15581, 15594, 16678.
Glauconycteris argentata (Dobson, 1875):
RMCA: 28027, 28910, 28911, 33532, 35690. - **USNM:** 535398.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1984-1344. - **RMCA:** 28904.
Kerivoula smithii Thomas, 1880:
BMNH: 1962.1845.
Miniopterus fraterculus Thomas and Schwann, 1906:
RMCA: 28034b, 33533.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
SMF: 31816, 31817.
Neoromicia capensis (A. Smith, 1829):
RMCA: 12057.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-1068, ZM-MO-1985-1069. - **RMCA:** 12847a, 12847b, 12847c, 12848a, 12848b, 12848c, 12848d, 12848e, 12848f, 28028, 28914, 28915. - **RMNH:** MAM.16370. - **SMF:** 31837. - **ZMZ:** 126637, 126638.
Nycteris arge Thomas, 1903:
ZFMK: 1964.1318, 1964.1319, 1964.1320.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1984-1337, ZM-MO-1984-1345, ZM-MO-1984-1346. - **RMCA:** 28026, 28899, 28900, 28901, 33535. - **ZMZ:** 124600.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1984-1347, ZM-MO-1984-1348, ZM-MO-1984-1349, ZM-MO-1984-1350, ZM-MO-1984-1351, ZM-MO-1984-1352, ZM-MO-1984-1353, ZM-MO-1984-1354, ZM-MO-1984-1355, ZM-MO-1984-1356, ZM-MO-1984-1357.
Rhinolophus Lacépède, 1799:
RMCA: 33534.
Rhinolophus lobatus Peters, 1852:
MCZ: 48215, 48216. - **SMF:** 31826.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 180899, 180900, 180901. - **BMNH:** 1958.647, 1958.648. - **FMNH:** 173295, 173296. - **MCZ:** 48186, 48187, 48188, 48189, 48190, 48191, 48192, 48193, 48194, 48536. - **MNHN:** ZM-MO-1983-1267. - **RMCA:** 27419, 27717, 28893, 28894, 28895, 28896, 31004, 31005, 31006, 31007. - **RMNH:** MAM.16347, MAM.16348, MAM.16349, MAM.16350, MAM.16351, MAM.16352, MAM.16353, MAM.16354, MAM.16355, MAM.16401. - **SMF:** 25859, 25860, 31821, 31822, 31823. - **USNM:** 301694, 301695, 301696, 301697, 301698, 301699, 301700, 301701, 301702.
Stenonycteris lanosus (Thomas, 1906):
AMNH: 207735, 82379. - **RMCA:** 28025, 35064, 35065. - **SMF:** 31829, 31830. - **USNM:** 535400.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1985-273

SE 02028Bd:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 52479, 52480.
Eidolon helvum (Kerr, 1792):
MCZ: 48183. - **RMCA:** 15870a, 15871, 19649, 74.044-M-0004, 74.044-M-0005, 74.044-M-0006.
Epomophorus labiatus (Temminck, 1837):
RMCA: 15833, 15875, 15876, 15877, 15878, 19651, 19656, 20265, 27939, 28030.
Hipposideros beatus (K. Andersen, 1906):
MCZ: 48217, 48218.
Hipposideros ruber (Noack, 1893):
RMCA: 33968.
Hypsignathus monstrosus H. Allen, 1862:
MCZ: 48184, 48185.
Miniopterus fraterculus Thomas and Schwann, 1906:
RMCA: 15869.
Myotis bocagii cupreolus Thomas, 1904:
MCZ: 48261, 48262.
Neoromicia nana (Peters, 1852):
MCZ: 48258, 48259, 48260. - **RMCA:** 13095, 15873, 15874, 28918.
Neoromicia tenuipinnis (Peters, 1872):
MCZ: 48245, 48246, 48247, 48248, 48249, 48250, 48251. - **RBINS:** 6403. - **RMCA:** 19646, 19647, 19648, 28912, 28913.
Nycteris arge Thomas, 1903:
MCZ: 48239.
Nycteris grandis Peters, 1865:
MCZ: 48236, 48237.
Nycteris hispida (Schreber, 1774):
RMCA: 15872.
Pipistrellus Kaup, 1829:
MCZ: 48252, 48253, 48254, 48255, 48256, 48257.
Rhinolophus eloquens K. Andersen, 1905:
RMCA: 16218, 16275.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 15879, 19650, 19655. - **USNM:** 375234, 375235

SE 02028Db:

CHIROPTERA Blumenbach, 1779:
RMCA: 82.001-M-0020.
Eidolon helvum (Kerr, 1792):
RMCA: 23174, 23175, 23176.
Epomophorus labiatus (Temminck, 1837):
RMCA: 14975, 20271.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 99.011-M-0001.
Kerivoula smithii Thomas, 1880:
RMCA: 23172.
Miniopterus natalensis (A. Smith, 1833):
RMCA: 82.001-M-0059.
Myonycteris angolensis (Bocage, 1898):
RMCA: 99.011-M-0002, 99.011-M-0003.
Neoromicia nana (Peters, 1852):
RMCA: 20656, 38583.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 23173.
Nycteris hispida (Schreber, 1774):
INPBC: V394

SE 02028Dd:

Miniopterus fraterculus Thomas and Schwann, 1906:
MCZ: 48263.
Myonycteris angolensis (Bocage, 1898):
MCZ: 48288, 48289, 48290, 48291, 48292, 48293, 48294, 48295, 48296, 48297, 48298, 48299, 49032

SE 02029Aa:

Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 33625, 33626, 36216, 36217, 36218.
Hipposideros ruber (Noack, 1893):
RMCA: 36219.
Neoromicia nana (Peters, 1852):
MCZ: 40763, 40764, 40765, 40766. - **RMCA:** 28919, 28920

SE 02029Ac:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 85.006-M-0330, 85.006-M-0331, 85.006-M-0332, 85.006-M-0333, 85.006-M-0334, 85.006-M-0335, 85.006-M-0336, 85.006-M-0337, 85.006-M-0338, 85.006-M-0339, 85.006-M-0340, 85.006-M-0341, 85.006-M-0342, 85.006-M-0343, 85.006-M-0344, 85.006-M-0345, 85.006-M-0346, 85.006-M-0347, 85.006-M-0348, 85.006-M-0349, 85.006-M-0350, 85.006-M-0351, 85.006-M-0352, 85.006-M-0353, 85.006-M-0354, 85.006-M-0355, 85.006-M-0356, 85.006-M-0357, 85.006-M-0358, 85.006-M-0359, 85.006-M-0360, 85.006-M-0361, 85.006-M-0362, 85.006-M-0363, 85.006-M-0364, 85.006-M-0365, 85.006-M-0366, 85.006-M-0367, 85.006-M-0368, 85.006-M-0369, 85.006-M-0370, 85.006-M-0371, 85.006-M-0372, 85.006-M-0373, 85.006-M-0374, 85.006-M-0375, 85.006-M-0376, 85.006-M-0377, 85.006-M-0378, 85.006-M-0379, 85.006-M-0380, 85.006-M-0381, 85.006-M-0382, 85.006-M-0383, 85.006-M-0540.
Eidolon helvum (Kerr, 1792):
RMCA: 85.006-M-0520, 85.006-M-0522, 85.006-M-0523, 85.006-M-0524, 85.006-M-0525, 85.006-M-0528, 85.006-M-0530, 85.006-M-0531, 85.006-M-0532, 85.006-M-0533, 85.006-M-0534, 85.006-M-0535, 85.006-M-0536.
Epomophorus labiatus (Temminck, 1837):
RMCA: 35911, 85.006-M-0515, 85.006-M-0516, 85.006-M-0517, 85.006-M-0518.
Epomops franqueti (Tomes, 1860):
RMCA: 85.006-M-0463.
Myonycteris angolensis (Bocage, 1898):
RMCA: 82.006-M-0036, 82.006-M-0037, 82.006-M-0038, 82.006-M-0039, 82.006-M-0040, 82.006-M-0041, 82.006-M-0042, 85.006-M-0464, 87.046-M-0125, 87.046-M-0126, 87.046-M-0127, 87.046-M-0128, 87.046-M-0129, 87.046-M-0130, 87.046-M-0131, 87.046-M-0132, 87.046-M-0133, 87.046-M-0134.
Neoromicia nana (Peters, 1852):
RBINS: 15486. - **RMCA:** 85.006-M-0096.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 85.006-M-0457.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 85.006-M-0455, 85.006-M-0456.
Rhinolophus hilli Aellen, 1973:
RMCA: 82.006-M-0001. - **ZMZ:** 126639.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 82.006-M-0002.

Stenonycteris lanosus (Thomas, 1906):
RMCA: 82.006-M-0932, 82.006-M-0933, 82.006-M-0934, 87.046-M-0517

SE 02029Ca:

Eidolon helvum (Kerr, 1792):
MHNG: 1498.003, 1498.004, 1498.005, 1498.006, 1498.007, 1498.008, 1498.009, 1498.010, 1498.013, 1498.014, 1498.015, 1498.016, 1498.017, 1498.018, 1498.019, 1498.020, 1498.021, 1498.022, 1498.023, 1498.024, 1498.025, 1498.026, 1498.027, 1498.028, 1498.029, 1498.030.
Epomophorus wahlbergi (Sundevall, 1846):
MHNG: 1499.090, 1499.091, 1499.092, 1499.093.
Hipposideros caffer (Sundevall, 1846):
MHNG: 1896.012.
Myonycteris angolensis (Bocage, 1898):
RMCA: 87.046-M-0063, 87.046-M-0064, 87.046-M-0065, 87.046-M-0066, 87.046-M-0067, 87.046-M-0068, 87.046-M-0069, 87.046-M-0070, 87.046-M-0071, 87.046-M-0072, 87.046-M-0073, 87.046-M-0074, 87.046-M-0075, 87.046-M-0076, 87.046-M-0077, 87.046-M-0078, 87.046-M-0079, 87.046-M-0080, 87.046-M-0081, 87.046-M-0082, 87.046-M-0083, 87.046-M-0084, 87.046-M-0085, 87.046-M-0086, 87.046-M-0087, 87.046-M-0088, 87.046-M-0089, 87.046-M-0090, 87.046-M-0091, 87.046-M-0092, 87.046-M-0093, 87.046-M-0094, 87.046-M-0095, 87.046-M-0096, 87.046-M-0097, 87.046-M-0098, 87.046-M-0099, 87.046-M-0100, 87.046-M-0101, 87.046-M-0102, 87.046-M-0103, 87.046-M-0104, 87.046-M-0105, 87.046-M-0106, 87.046-M-0107, 87.046-M-0108, 87.046-M-0109, 87.046-M-0110, 87.046-M-0111, 87.046-M-0112, 87.046-M-0113, 87.046-M-0114, 87.046-M-0115, 87.046-M-0116, 87.046-M-0117, 87.046-M-0118, 87.046-M-0119, 87.046-M-0120, 87.046-M-0121, 87.046-M-0122, 87.046-M-0123, 87.046-M-0124

SE 02029Cc:

Epomophorus labiatus (Temminck, 1837):
RBINS: 20272.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 12045. - **UNIKIS:** BUKCH01, BUKCH03, BUKCH04, BUKCH05, BUKCH06, BUKCH07, BUKCH08, BUKCH09, BUKCH10, BUKCH11, BUKCH12, BUKCH13, BUKCH14, BUKCH15, BUKCH17, BUKCH18, BUKCH19, BUKCH20, BUKCH22, BUKCH24, BUKCH25, BUKCH26, BUKCH27, BUKCH28, BUKCH30, BUKCH31, BUKCH32, BUKCH34, BUKCH35, BUKCH36, BUKCH37, BUKCH38, BUKCH40, BUKCH42, BUKCH44, BUKCH45, BUKCH46, BUKCH48, BUKCH50, BUKCH51, BUKCH52, BUKCH53, BUKCH54, BUKCH55, BUKCH56, BUKCH58.
Nycteris macrotis Dobson, 1876:
RMCA: 36262

SE 02029Ab:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 80.055-M-0162, 80.055-M-0163, 80.055-M-0164.
Epomophorus labiatus (Temminck, 1837):
RMCA: 11462, 73.058-M-0001, 80.055-M-0010, 80.055-M-0011, 80.055-M-0019, 80.055-M-0020, 80.055-M-0021, 80.055-M-0042, 80.055-M-0043, 80.055-M-0044, 80.055-M-0045, 80.055-M-0046, 80.055-M-0047, 80.055-M-0048.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 80.055-M-0171.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 80.055-M-0125, 80.055-M-0126, 80.055-M-0127, 80.055-M-0128, 80.055-M-0129, 80.055-M-0130, 80.055-M-0131, 80.055-M-0132, 80.055-M-0133, 80.055-M-0134, 80.055-M-0135, 80.055-M-0136, 80.055-M-0137, 80.055-M-0138, 80.055-M-0139, 80.055-M-0140, 80.055-M-0141, 80.055-M-0142, 80.055-M-0143, 80.055-M-0144, 80.055-M-0145, 80.055-M-0146, 80.055-M-0147, 80.055-M-0148, 80.055-M-0149, 80.055-M-0150, 80.055-M-0151, 80.055-M-0152, 80.055-M-0153, 80.055-M-0154, 80.055-M-0155, 80.055-M-0156, 80.055-M-0157, 80.055-M-0158, 80.055-M-0159, 80.055-M-0160, 80.055-M-0161.
Myonycteris angolensis (Bocage, 1898):
RMCA: 73.058-M-0002.
Myotis bocagii (Peters, 1870):
RMCA: 80.055-M-0165, 80.055-M-0166.
Neoromicia nana (Peters, 1852):
RMCA: 80.055-M-0002, 80.055-M-0003, 80.055-M-0004, 80.055-M-0005, 80.055-M-0006, 80.055-M-0007, 80.055-M-0008.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 80.055-M-0059, 80.055-M-0060, 80.055-M-0061

SE 02029Ad:

Myonycteris angolensis (Bocage, 1898):
RMCA: 80.055-M-0096, 80.055-M-0097.
Neoromicia nana (Peters, 1852):
RMCA: 80.055-M-0001

SE 02029Cb:

Hypsugo cf. eisentrauti Hill, 1968:
SMF: 79444.
Myonycteris angolensis (Bocage, 1898):
MHNG: 1872.081, 1872.082.

Neoromicia nana (Peters, 1852):
RMCA: 82.006-M-0202.
Pipistrellus hesperidus (Temminck, 1840):
RMCA: 82.006-M-0926, 82.006-M-0927.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 82.006-M-0033

SE 02029Cd:

Doryrhina cyclops (Temminck, 1853):
FMNH: 148981, 148982, 148983.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 148972.
Miniopterus fraterculus Thomas and Schwann, 1906:
FMNH: 148984.
Myonycteris angolensis (Bocage, 1898):
FMNH: 148350, 148351, 148352, 148353, 148354, 148355, 148356, 148357, 148358, 148359, 148360, 148361, 148362, 148363, 148973, 148974, 148975.
Nycteris nana (K. Andersen, 1912):
FMNH: 148980.
Stenonycteris lanosus (Thomas, 1906):
FMNH: 148976, 148977, 148978, 148979

SE 02029Bc:

Tadarida fulminans (Thomas, 1903):
RBINS: 15494

SE 02029Da:

Chaerephon pumilus (Cretzschmar, 1826):
MHNG: 921.038, 921.039, 921.040, 921.041. - **RMCA:** 20568, 21218, 23204b, 31047, 31061, 31063, 31064, 31065, 31066, 31067, 31068, 31071, 31072, 31073, 31074, 31075, 81.012-M-0063, 81.012-M-0064, 81.012-M-0065, 81.012-M-0066, 81.012-M-0067, 81.012-M-0068, 81.012-M-0069, 81.012-M-0070, 81.012-M-0077, 81.012-M-0105, 81.012-M-0106, 85.006-M-0207, 85.006-M-0208, 85.006-M-0209, 85.006-M-0210, 85.006-M-0211, 85.006-M-0212, 85.006-M-0213, 85.006-M-0214, 85.006-M-0215, 85.006-M-0216, 85.006-M-0217, 85.006-M-0218, 85.006-M-0219, 85.006-M-0220, 85.006-M-0237, 85.006-M-0238, 85.006-M-0239, 85.006-M-0240, 85.006-M-0241, 85.006-M-0242, 85.006-M-0243, 85.006-M-0244, 85.006-M-0245, 85.006-M-0246, 85.006-M-0247, 85.006-M-0248, 85.006-M-0249, 85.006-M-0250, 85.006-M-0251, 85.006-M-0252, 85.006-M-0253, 85.006-M-0254, 85.006-M-0255, 85.006-M-0256, 85.006-M-0257, 85.006-M-0258, 85.006-M-0259, 85.006-M-0260, 85.006-M-0261, 85.006-M-0262, 85.006-M-0263, 85.006-M-0264, 85.006-M-0265, 85.006-M-0266, 85.006-M-0267, 85.006-M-0268, 85.006-M-0269, 85.006-M-0270, 85.006-M-0271, 85.006-M-0272, 85.006-M-0273, 85.006-M-0274, 85.006-M-0275, 85.006-M-0276, 85.006-M-0277, 85.006-M-0278, 85.006-M-0279, 85.006-M-0280, 85.006-M-0281, 85.006-M-0282, 85.006-M-0283, 85.006-M-0284, 85.006-M-0285, 85.006-M-0286, 85.006-M-0287, 85.006-M-0288, 85.006-M-0289, 85.006-M-0290, 85.006-M-0291, 85.006-M-0292, 85.006-M-0293, 85.006-M-0294, 85.006-M-0295, 85.006-M-0296, 85.006-M-0297, 85.006-M-0298, 85.006-M-0299, 85.006-M-0300, 85.006-M-0301, 85.006-M-0302, 85.006-M-0303, 85.006-M-0304, 85.006-M-0305, 85.006-M-0306, 85.006-M-0307, 85.006-M-0308, 85.006-M-0309, 85.006-M-0310, 85.006-M-0311, 85.006-M-0312, 85.006-M-0313, 85.006-M-0314, 85.006-M-0315, 85.006-M-0316, 85.006-M-0317, 85.006-M-0384, 85.006-M-0385, 85.006-M-0386, 85.006-M-0387, 85.006-M-0388, 85.006-M-0439, 85.006-M-0440, 85.006-M-0441, 85.006-M-0442, 85.006-M-0443, 85.006-M-0444, 85.006-M-0445, 85.006-M-0446, 87.047-M-0098, 87.047-M-0099, 87.047-M-0100, 87.047-M-0101, 87.047-M-0102, 87.047-M-0103.
Eidolon helvum (Kerr, 1792):
MHNG: 1498.001, 1498.002, 921.026, 921.027. - **RMCA:** 20491, 23139, 23645, 23646a, 31176, 31177, 31178, 31179, 31180, 31181, 31182, 31183, 31184, 31185, 31186, 31187, 31188, 31189.
Epomophorus labiatus (Temminck, 1837):
MHNG: 1872.016, 1872.017, 1872.018, 1872.019, 1872.020, 921.029, 921.030. - **RMCA:** 20175, 20176, 20492, 23140, 23170, 31044, 35912, 35913, 35914, 74.020-M-0048, 74.020-M-0049, 74.020-M-0050, 74.020-M-0051, 74.020-M-0052, 74.020-M-0053, 74.020-M-0054, 74.020-M-0055, 74.020-M-0056, 74.020-M-0057, 74.020-M-0058, 74.020-M-0059, 74.020-M-0060, 74.020-M-0061, 74.020-M-0062, 74.020-M-0063, 82.006-M-1031, 82.006-M-1032, 82.006-M-1033, 82.006-M-1036, 82.006-M-1037, 82.006-M-1038, 82.006-M-1039, 82.006-M-1040, 82.006-M-1041, 82.006-M-1042, 82.006-M-1043, 82.006-M-1044, 82.006-M-1045, 82.006-M-1047, 82.006-M-1048, 82.006-M-1049, 82.006-M-1050, 82.006-M-1051, 82.006-M-1052, 82.006-M-1053, 82.006-M-1054, 82.006-M-1076, 82.006-M-1077, 82.006-M-1078, 82.006-M-1079, 82.006-M-1080, 82.006-M-1081, 82.006-M-1082, 82.006-M-1083, 82.006-M-1084, 82.006-M-1085, 82.006-M-1086, 82.006-M-1087, 82.006-M-1088, 82.006-M-1089, 82.006-M-1090, 82.006-M-1091, 82.006-M-1140, 85.006-M-0466, 85.006-M-0467, 85.006-M-0468, 85.006-M-0469, 85.006-M-0470, 85.006-M-0471, 85.006-M-0472, 85.006-M-0473, 85.006-M-0474, 85.006-M-0475, 85.006-M-0476, 85.006-M-0477, 85.006-M-0478, 85.006-M-0479, 85.006-M-0480, 85.006-M-0481, 85.006-M-0482, 85.006-M-0483, 85.006-M-0484, 85.006-M-0490, 85.006-M-0491, 85.006-M-0492, 85.006-M-0493, 85.006-M-0494, 85.006-M-0495, 85.006-M-0496, 85.006-M-0497, 85.006-M-0498, 85.006-M-0499, 85.006-M-0500, 85.006-M-0501, 85.006-M-0502, 85.006-M-0503, 85.006-M-0504, 85.006-M-0505, 85.006-M-0506, 85.006-M-0507, 85.006-M-0508, 85.006-M-0509, 85.006-M-0519, 87.046-M-0350, 87.046-M-0351, 87.046-M-0352, 87.046-M-0353, 87.046-M-0354, 87.046-M-0355, 87.046-M-0356, 87.046-M-0362, 87.046-M-0376, 87.046-M-0377, 87.046-M-0378.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 20496.
Epomops franqueti (Tomes, 1860):
RMCA: 38816.

Glauconycteris argentata (Dobson, 1875):
RMCA: 18993.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 16004.
Micropteropus pusillus (Peters, 1868):
RMCA: 36446b.
Mops (Mops) condylurus (A. Smith, 1833):
BMNH: 1953.681. - **MHNG:** 921.043. - **RBINS:** 15496. - **RMCA:** 79.010-M-0007, 81.012-M-0048, 85.006-M-0458, 85.006-M-0459, 85.006-M-0460, 85.006-M-0461, 85.006-M-0462.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
RMCA: 18643, 18991, 20489, 23171, 31045, 31046, 31060, 31062, 31069, 31070, 82.006-M-0439, 82.006-M-0440, 82.006-M-0441, 82.006-M-0442, 82.006-M-0443, 82.006-M-0444, 82.006-M-0445, 82.006-M-0446, 82.006-M-0447, 82.006-M-0448, 82.006-M-0449, 82.006-M-0450, 82.006-M-0451, 82.006-M-0452, 82.006-M-0453, 82.006-M-0454, 82.006-M-0455, 82.006-M-0456, 82.006-M-0457, 82.006-M-0458, 82.006-M-0459, 82.006-M-0460, 82.006-M-0461, 85.006-M-0206, 87.047-M-0009, 87.047-M-0010.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RBINS: 15475.1, 15475.2, 15477, 15478.1, 15478.2, 15482.01, 15482.02, 15482.03, 15482.04, 15482.05, 15482.06, 15482.07, 15482.08, 15482.09, 15482.10, 15932.1, 15932.2, 15932.3, 15932.4, 15932.5, 15932.6.
Myotis bocagii (Peters, 1870):
RMCA: 85.006-M-0450, 85.006-M-0451, 85.006-M-0452, 85.006-M-0453, 85.006-M-0454.
Myotis welwitschii (Gray, 1866):
RMCA: 80.055-M-0169.
Neoromicia nana (Peters, 1852):
MHNG: 1873.084. - **RBINS:** 15488.1, 15488.2, 15489.1, 15489.2, 15491.1, 15491.2, 15491.3, 16001, 16003. - **RMCA:** 82.006-M-0201.
Nycteris hispida (Schreber, 1774):
MHNG: 921.035. - **RMCA:** 20490, 81.012-M-0010, 81.012-M-0029.
Nycteris macrotis Dobson, 1876:
BMNH: 1953.566, 1953.567, 1953.677, 1953.678, 1953.679, 1953.680. - **MHNG:** 921.036, 921.037. - **RBINS:** 15483.1, 15483.2, 15483.3, 15483.4, 15484.1, 15484.2, 15484.3, 15484.4, 15493, 15930, 15931, 15939.1, 15939.2, 15989, 15990, 15991, 15992, 15993, 15994, 15995. - **RMCA:** 31048, 31049, 31050, 31051, 31052, 31053, 31054, 31055, 31056, 31057, 31058, 31059, 81.012-M-0001, 81.012-M-0002, 81.012-M-0003, 81.012-M-0004, 81.012-M-0005, 81.012-M-0006, 81.012-M-0007, 81.012-M-0008, 81.012-M-0009, 81.012-M-0019, 81.012-M-0020, 81.012-M-0021, 81.012-M-0022, 81.012-M-0023, 81.012-M-0024, 81.012-M-0025, 81.012-M-0026, 81.012-M-0027, 81.012-M-0028.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RBINS: 15936, 16005, 16006.
Scotophilus dinganii (A. Smith, 1833):
MHNG: 1873.090, 1873.091, 1873.092, 1873.093, 1873.094. - **RMCA:** 82.006-M-0915, 85.006-M-0097, 85.006-M-0098, 85.006-M-0099, 85.006-M-0100, 85.006-M-0101, 85.006-M-0102, 85.006-M-0103, 85.006-M-0104, 85.006-M-0105, 85.006-M-0106, 85.006-M-0107, 85.006-M-0108, 85.006-M-0109, 85.006-M-0110, 85.006-M-0111, 85.006-M-0112, 85.006-M-0113, 85.006-M-0114, 85.006-M-0115, 85.006-M-0116, 85.006-M-0117, 85.006-M-0118, 85.006-M-0119, 87.047-M-0130.
Tadarida fulminans (Thomas, 1903):
RMCA: 23748.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 18992

SE 02029Dc:

Eidolon helvum (Kerr, 1792):
SMF: 57500, 57501, 57502.
Epomophorus labiatus (Temminck, 1837):
MHNG: 1499.001.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
SMF: 57555, 57556, 57557, 57558.
Myonycteris angolensis (Bocage, 1898):
SMF: 57579, 57580, 57581, 57582.
Myotis welwitschii (Gray, 1866):
MHNG: 1607.095.
Neoromicia nana (Peters, 1852):
MHNG: 1607.057, 1607.058, 1607.059, 1607.060, 1607.061, 1607.062, 1607.063.
Nycteris hispida (Schreber, 1774):
SMF: 57536.
Otomops martiensseni (Matschie, 1897):
MHNG: 1896.021.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
SMF: 57531

SE 02029Bb:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 35915

SE 02029Bd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 21936, 21937, 21938, 85.006-M-0389, 85.006-M-0390, 85.006-M-0391, 85.006-M-0392, 85.006-M-0393, 85.006-M-0394, 85.006-M-0395, 85.006-M-0396, 85.006-M-0397, 85.006-M-0398, 85.006-M-0399, 85.006-M-0400, 85.006-M-0401, 85.006-M-0402, 85.006-M-0403, 85.006-M-0404, 85.006-M-0405, 85.006-M-0406, 85.006-M-0407, 85.006-M-0408, 85.006-M-0409, 85.006-M-0410, 85.006-M-0411, 85.006-M-0412, 85.006-M-0413, 85.006-M-0414, 85.006-M-0415, 85.006-M-0416, 85.006-M-0417, 85.006-M-0418, 85.006-M-0419, 85.006-M-0420, 85.006-M-0421, 85.006-M-0422, 85.006-M-0423, 85.006-M-0424, 85.006-M-0425, 85.006-M-0426, 85.006-M-0427, 85.006-M-0428, 85.006-M-0429, 85.006-M-0430, 85.006-M-0431, 85.006-M-0432, 85.006-M-0433, 85.006-M-0434, 85.006-M-0435, 85.006-M-0436, 85.006-M-0437, 85.006-M-0438, 87.047-M-0087, 87.047-M-0088, 87.047-M-0089, 87.047-M-0090, 87.047-M-0091, 87.047-M-0092, 87.047-M-0093, 87.047-M-0094, 87.047-M-0095, 87.047-M-0096, 87.047-M-0097.
Epomophorus dobsonii Bocage, 1889:
RBINS: 16037.
Epomophorus labiatus (Temminck, 1837):
RBINS: 15481.1, 15481.2, 16023, 16024, 16025, 16026, 16027, 16028, 16029, 16030, 16031, 16032, 16033, 16034, 16035. - **RMCA:** 85.006-M-0489, 85.006-M-0513, 85.006-M-0514, 87.047-M-0132, 87.047-M-0133. - **ZMZ:** 15530, 15540, 15542, 15544, 16676, 16677.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MHNG: 921.031, 921.032. - **RMCA:** 18997.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 15495. - **RMCA:** 87.047-M-0022, 87.047-M-0023, 87.047-M-0024, 87.047-M-0025, 87.047-M-0026, 87.047-M-0027, 87.047-M-0028, 87.047-M-0029, 87.047-M-0030, 87.047-M-0031, 87.047-M-0032, 87.047-M-0033, 87.047-M-0034, 87.047-M-0035, 87.047-M-0036, 87.047-M-0037, 87.047-M-0038, 87.047-M-0039, 87.047-M-0040, 87.047-M-0041, 87.047-M-0042, 87.047-M-0043, 87.047-M-0044, 87.047-M-0045, 87.047-M-0046, 87.047-M-0047, 87.047-M-0048, 87.047-M-0049, 87.047-M-0050, 87.047-M-0051, 87.047-M-0052, 87.047-M-0053, 87.047-M-0054, 87.047-M-0055, 87.047-M-0056, 87.047-M-0057, 87.047-M-0058, 87.047-M-0059, 87.047-M-0060, 87.047-M-0061, 87.047-M-0062, 87.047-M-0063, 87.047-M-0064, 87.047-M-0065, 87.047-M-0066, 87.047-M-0067, 87.047-M-0068.
Mops (Mops) demonstrator (Thomas, 1903):
RMCA: 37983.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
RMCA: 85.006-M-0196, 85.006-M-0197, 85.006-M-0198, 85.006-M-0199, 85.006-M-0200, 85.006-M-0201, 85.006-M-0202, 85.006-M-0203, 85.006-M-0204, 85.006-M-0205, 87.047-M-0006, 87.047-M-0007, 87.047-M-0008.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RBINS: 16036.
Myotis bocagii (Peters, 1870):
RBINS: 15492.
Neoromicia nana (Peters, 1852):
RBINS: 15487, 15934.1, 15934.2, 15934.3, 15996, 15997, 15998, 15999, 16002. - **RMCA:** 87.047-M-0129.
Nycteris macrotis Dobson, 1876:
RMCA: 81.012-M-0015, 81.012-M-0016, 81.012-M-0017, 81.012-M-0018

SE 02029Db:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 85.006-M-0221, 85.006-M-0222, 85.006-M-0223, 85.006-M-0224, 85.006-M-0225, 85.006-M-0226, 85.006-M-0227, 85.006-M-0228, 85.006-M-0229, 85.006-M-0230, 85.006-M-0231, 85.006-M-0232, 85.006-M-0233, 85.006-M-0234, 85.006-M-0235, 85.006-M-0236, 85.006-M-0318, 85.006-M-0319, 85.006-M-0320, 85.006-M-0321, 85.006-M-0322, 85.006-M-0323, 85.006-M-0324, 85.006-M-0325, 85.006-M-0326, 85.006-M-0327, 85.006-M-0328, 85.006-M-0329, 87.047-M-0069, 87.047-M-0070, 87.047-M-0071, 87.047-M-0072, 87.047-M-0073, 87.047-M-0074, 87.047-M-0075, 87.047-M-0076, 87.047-M-0077, 87.047-M-0078, 87.047-M-0079, 87.047-M-0080, 87.047-M-0081, 87.047-M-0082, 87.047-M-0083, 87.047-M-0084, 87.047-M-0085, 87.047-M-0086, 87.047-M-0104, 87.047-M-0105, 87.047-M-0106, 87.047-M-0107, 87.047-M-0108, 87.047-M-0109, 87.047-M-0110, 87.047-M-0111, 87.047-M-0112, 87.047-M-0113, 87.047-M-0114, 87.047-M-0115, 87.047-M-0116, 87.047-M-0117, 87.047-M-0118, 87.047-M-0119, 87.047-M-0120, 87.047-M-0121, 87.047-M-0122, 87.047-M-0123, 87.047-M-0124, 87.047-M-0125, 87.047-M-0126, 87.047-M-0127, 87.047-M-0128.
Eidolon helvum (Kerr, 1792):
RMCA: 85.006-M-0521, 85.006-M-0526, 85.006-M-0527, 85.006-M-0529.
Epomophorus labiatus (Temminck, 1837):
RMCA: 85.006-M-0485, 85.006-M-0486, 85.006-M-0487, 85.006-M-0488, 85.006-M-0510, 85.006-M-0511, 85.006-M-0512.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
RMCA: 85.006-M-0159, 85.006-M-0160, 85.006-M-0161, 85.006-M-0162, 85.006-M-0163, 85.006-M-0164, 85.006-M-0165, 85.006-M-0166, 85.006-M-0167, 85.006-M-0168, 85.006-M-0169, 85.006-M-0170, 85.006-M-0171, 85.006-M-0172, 85.006-M-0173, 85.006-M-0174, 85.006-M-0175, 85.006-M-0176, 85.006-M-0177, 85.006-M-0178, 85.006-M-0179, 85.006-M-0180, 85.006-M-0181, 85.006-M-0182, 85.006-M-0183, 85.006-M-0184, 85.006-M-0185, 85.006-M-0186, 85.006-M-0187, 85.006-M-0188, 85.006-M-0189, 85.006-M-0190, 85.006-M-0191, 85.006-M-0192, 85.006-M-0193, 85.006-M-0194, 85.006-M-0195, 87.047-M-0002, 87.047-M-0003, 87.047-M-0004, 87.047-M-0005, 87.047-M-0011, 87.047-M-0012, 87.047-M-0013, 87.047-M-0014, 87.047-M-0015, 87.047-M-0016, 87.047-M-0017, 87.047-M-0018, 87.047-M-0019, 87.047-M-0020, 87.047-M-0021.
Neoromicia nana (Peters, 1852):
RBINS: 16000.
Nycteris hispida (Schreber, 1774):
RMCA: 87.047-M-0001.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 87.047-M-0131

SE 02030Aa:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 82.006-M-0529, 82.006-M-0530, 82.006-M-0531, 82.006-M-0532, 82.006-M-0533, 82.006-M-0534, 82.006-M-0535, 82.006-M-0536, 82.006-M-0537, 82.006-M-0538, 82.006-M-0539, 82.006-M-0540, 82.006-M-0541, 82.006-M-0542, 82.006-M-0543, 82.006-M-0544, 82.006-M-0545, 82.006-M-0546, 82.006-M-0547, 82.006-M-0548, 82.006-M-0549, 82.006-M-0550, 82.006-M-0551, 82.006-M-0552, 82.006-M-0553, 82.006-M-0554, 82.006-M-0555, 82.006-M-0556, 82.006-M-0557, 82.006-M-0558, 82.006-M-0559, 82.006-M-0560, 82.006-M-0561, 82.006-M-0562, 82.006-M-0563, 82.006-M-0564, 82.006-M-0565, 82.006-M-0566, 82.006-M-0567, 82.006-M-0568, 82.006-M-0569, 82.006-M-0570, 82.006-M-0571, 82.006-M-0572, 82.006-M-0573, 82.006-M-0574, 82.006-M-0575, 82.006-M-0576, 82.006-M-0577, 82.006-M-0578, 82.006-M-0579, 82.006-M-0580, 82.006-M-0581, 82.006-M-0582, 82.006-M-0583, 82.006-M-0584, 82.006-M-0585, 82.006-M-0586, 82.006-M-0587, 82.006-M-0588, 82.006-M-0589, 82.006-M-0590, 82.006-M-0591, 82.006-M-0592, 82.006-M-0593, 82.006-M-0594, 82.006-M-0595, 82.006-M-0596, 82.006-M-0597, 82.006-M-0598, 82.006-M-0599, 82.006-M-0600, 82.006-M-0601, 82.006-M-0602, 82.006-M-0603, 82.006-M-0604, 82.006-M-0605, 82.006-M-0606, 82.006-M-0607, 82.006-M-0608, 82.006-M-0609, 82.006-M-0610, 82.006-M-0611, 82.006-M-0612, 82.006-M-0613, 82.006-M-0614, 82.006-M-0615, 82.006-M-0616, 82.006-M-0617, 82.006-M-0618, 82.006-M-0619, 82.006-M-0620, 82.006-M-0621, 82.006-M-0622, 82.006-M-0623, 82.006-M-0624, 82.006-M-0625, 82.006-M-0626, 82.006-M-0627, 82.006-M-0628, 82.006-M-0629, 82.006-M-0630, 82.006-M-0631, 82.006-M-0632, 82.006-M-0633, 82.006-M-0634, 82.006-M-0635, 82.006-M-0636, 82.006-M-0637, 82.006-M-0638, 82.006-M-0639, 82.006-M-0640, 82.006-M-0641, 82.006-M-0642, 82.006-M-0643, 82.006-M-0644, 82.006-M-0645, 82.006-M-0646, 82.006-M-0647, 82.006-M-0648, 82.006-M-0649, 82.006-M-0650, 82.006-M-0651, 82.006-M-0652, 82.006-M-0653, 82.006-M-0654, 82.006-M-0655, 82.006-M-0656, 82.006-M-0657, 82.006-M-0658, 82.006-M-0659, 82.006-M-0660, 82.006-M-0661, 82.006-M-0662, 82.006-M-0663, 82.006-M-0664, 82.006-M-0665, 82.006-M-0666, 82.006-M-0667, 82.006-M-0668, 82.006-M-0669, 82.006-M-0670, 82.006-M-0671, 82.006-M-0672, 82.006-M-0673, 82.006-M-0674, 82.006-M-0675, 82.006-M-0676, 82.006-M-0677, 82.006-M-0678, 82.006-M-0679, 82.006-M-0680, 82.006-M-0681, 82.006-M-0682, 82.006-M-0683, 82.006-M-0684, 82.006-M-0685, 82.006-M-0686, 82.006-M-0687, 82.006-M-0688, 82.006-M-0689, 82.006-M-0690, 82.006-M-0691, 82.006-M-0692, 82.006-M-0693, 82.006-M-0694, 82.006-M-0695, 82.006-M-0696, 82.006-M-0697, 82.006-M-0698, 82.006-M-0699, 82.006-M-0700, 82.006-M-0701, 82.006-M-0702, 82.006-M-0703, 82.006-M-0704, 82.006-M-0705, 82.006-M-0706, 82.006-M-0707, 82.006-M-0708, 82.006-M-0709, 82.006-M-0710, 82.006-M-0711, 82.006-M-0712, 82.006-M-0713, 82.006-M-0714, 82.006-M-0715, 82.006-M-0716, 82.006-M-0717, 82.006-M-0718, 82.006-M-0719, 82.006-M-0720, 82.006-M-0721, 82.006-M-0722, 82.006-M-0723, 82.006-M-0724, 82.006-M-0725, 82.006-M-0726, 82.006-M-0727, 82.006-M-0728, 82.006-M-0729, 82.006-M-0730, 82.006-M-0731, 82.006-M-0732, 82.006-M-0733, 82.006-M-0734, 82.006-M-0735, 82.006-M-0736, 82.006-M-0737, 82.006-M-0738, 82.006-M-0739, 82.006-M-0740, 82.006-M-0741, 82.006-M-0742, 82.006-M-0743, 82.006-M-0744, 82.006-M-0745, 82.006-M-0746, 82.006-M-0747, 82.006-M-0748, 82.006-M-0749, 82.006-M-0750, 82.006-M-0751, 82.006-M-0752, 82.006-M-0753, 82.006-M-0754, 82.006-M-0755, 82.006-M-0756, 82.006-M-0757, 82.006-M-0758, 82.006-M-0759, 82.006-M-0760, 82.006-M-0761, 82.006-M-0762, 82.006-M-0763, 82.006-M-0764, 82.006-M-0765, 82.006-M-0766, 82.006-M-0767, 82.006-M-0768, 82.006-M-0769, 82.006-M-0770, 82.006-M-0771, 82.006-M-0772, 82.006-M-0773, 82.006-M-0774, 82.006-M-0775, 82.006-M-0776, 82.006-M-0777, 82.006-M-0778, 82.006-M-0779, 82.006-M-0780, 82.006-M-0781, 82.006-M-0782, 82.006-M-0783, 82.006-M-0784, 82.006-M-0785, 82.006-M-0786, 82.006-M-0787, 82.006-M-0788, 82.006-M-0789, 82.006-M-0790, 82.006-M-0791, 82.006-M-0792, 82.006-M-0793, 82.006-M-0794.
Epomophorus labiatus (Temminck, 1837):
RMCA: 82.006-M-1055, 82.006-M-1056, 82.006-M-1057, 82.006-M-1058, 82.006-M-1059, 82.006-M-1060, 82.006-M-1061, 82.006-M-1062, 82.006-M-1092, 82.006-M-1093, 82.006-M-1094, 82.006-M-1095, 82.006-M-1096, 82.006-M-1097, 82.006-M-1098, 82.006-M-1099, 82.006-M-1100, 82.006-M-1101, 82.006-M-1102, 82.006-M-1103, 82.006-M-1104, 82.006-M-1105, 82.006-M-1139.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 26574, 26575, 82.006-M-0339, 82.006-M-0340, 82.006-M-0341, 82.006-M-0342, 82.006-M-0343, 82.006-M-0344, 82.006-M-0345, 82.006-M-0346, 82.006-M-0347, 82.006-M-0348, 82.006-M-0349, 82.006-M-0350, 82.006-M-0351, 82.006-M-0352, 82.006-M-0353, 82.006-M-0354, 82.006-M-0355, 82.006-M-0356, 82.006-M-0357.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
RMCA: 82.006-M-0462.
Neoromicia nana (Peters, 1852):
RMCA: 82.006-M-0203, 82.006-M-0204, 82.006-M-0205, 82.006-M-0206, 82.006-M-0207, 82.006-M-0208, 82.006-M-0209, 82.006-M-0210, 82.006-M-0211, 82.006-M-0212, 82.006-M-0213, 82.006-M-0214, 82.006-M-0215, 82.006-M-0216, 82.006-M-0217, 82.006-M-0218, 82.006-M-0219, 82.006-M-0220, 82.006-M-0221, 82.006-M-0222, 82.006-M-0223, 82.006-M-0224, 82.006-M-0225, 82.006-M-0226, 82.006-M-0227, 82.006-M-0228, 82.006-M-0229, 82.006-M-0230, 82.006-M-0231, 82.006-M-0232, 82.006-M-0233, 82.006-M-0234, 82.006-M-0235, 82.006-M-0236, 82.006-M-0237, 82.006-M-0238, 82.006-M-0239, 82.006-M-0240, 82.006-M-0241, 82.006-M-0242, 82.006-M-0243, 82.006-M-0244, 82.006-M-0245, 82.006-M-0246, 82.006-M-0247, 82.006-M-0248, 82.006-M-0249, 82.006-M-0250, 82.006-M-0251, 82.006-M-0252, 82.006-M-0253, 82.006-M-0254, 82.006-M-0255, 82.006-M-0256, 82.006-M-0257, 82.006-M-0258, 82.006-M-0259, 82.006-M-0260, 82.006-M-0261, 82.006-M-0262, 82.006-M-0263, 82.006-M-0264, 82.006-M-0265, 82.006-M-0266, 82.006-M-0267, 82.006-M-0268, 82.006-M-0269, 82.006-M-0270, 82.006-M-0271, 82.006-M-0272, 82.006-M-0273, 82.006-M-0274, 82.006-M-0275, 82.006-M-0276, 82.006-M-0277, 82.006-M-0278, 82.006-M-0279, 82.006-M-0280, 82.006-M-0281, 82.006-M-0282, 82.006-M-0283, 82.006-M-0284, 82.006-M-0285.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 82.006-M-0034

SE 02030Ac:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 79.010-M-0008

SE 02030Ca:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 57559.

Epomophorus labiatus (Temminck, 1837):
SMF: 57509, 57510.
Mops (Mops) condylurus (A. Smith, 1833):
SMF: 57548, 57549, 57550, 57551.
Myotis bocagii (Peters, 1870):
MHNG: 1607.056.
Neoromicia nana (Peters, 1852):
MHNG: 1607.064, 1607.065, 1607.066.
Nycteris arge Thomas, 1903:
RMCA: 81.012-M-0039, 81.012-M-0040.
Nycteris hispida (Schreber, 1774):
RMCA: 81.012-M-0036.
Nycteris nana (K. Andersen, 1912):
RMCA: 81.012-M-0035.
Rhinolophus hildebrandtii Peters, 1878:
MHNG: 1895.041, 1895.042, 1895.044

SE 02030Ad:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 82.006-M-0464, 82.006-M-0465, 82.006-M-0466, 82.006-M-0467, 82.006-M-0468, 82.006-M-0469, 82.006-M-0470, 82.006-M-0471, 82.006-M-0472, 82.006-M-0473, 82.006-M-0474, 82.006-M-0475, 82.006-M-0476, 82.006-M-0477, 82.006-M-0478, 82.006-M-0479, 82.006-M-0480, 82.006-M-0481, 82.006-M-0482, 82.006-M-0483, 82.006-M-0484, 82.006-M-0485, 82.006-M-0486, 82.006-M-0487, 82.006-M-0488, 82.006-M-0489, 82.006-M-0490, 82.006-M-0491, 82.006-M-0492, 82.006-M-0493, 82.006-M-0494, 82.006-M-0495, 82.006-M-0496, 82.006-M-0497, 82.006-M-0498, 82.006-M-0499, 82.006-M-0500, 82.006-M-0501, 82.006-M-0502, 82.006-M-0503, 82.006-M-0504, 82.006-M-0505, 82.006-M-0506, 82.006-M-0507, 82.006-M-0508, 82.006-M-0509, 82.006-M-0510, 82.006-M-0511, 82.006-M-0512, 82.006-M-0513, 82.006-M-0514, 82.006-M-0515, 82.006-M-0516, 82.006-M-0517, 82.006-M-0518, 82.006-M-0519, 82.006-M-0520, 82.006-M-0521, 82.006-M-0522, 82.006-M-0523, 82.006-M-0524, 82.006-M-0525, 82.006-M-0526, 82.006-M-0527, 82.006-M-0528.
Epomophorus labiatus (Temminck, 1837):
RMCA: 82.006-M-1035.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 82.006-M-0928, 82.006-M-0931.
Neoromicia somalica (Thomas, 1901):
RMCA: 82.006-M-0918, 82.006-M-0919.
Nycteris macrotis Dobson, 1876:
RMCA: 82.006-M-0929

SE 02030Cb:

Neoromicia nana (Peters, 1852):
MHNG: 1607.067, 1607.068, 1607.069, 1607.070, 1607.071.
Pipistrellus Kaup, 1829:
MHNG: 1607.089

SE 02030Ba:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 82.006-M-0795, 82.006-M-0796, 82.006-M-0797, 82.006-M-0798, 82.006-M-0799, 82.006-M-0800, 82.006-M-0801, 82.006-M-0802, 82.006-M-0803, 82.006-M-0804, 82.006-M-0805, 82.006-M-0806, 82.006-M-0807, 82.006-M-0808, 82.006-M-0809, 82.006-M-0810, 82.006-M-0811, 82.006-M-0812, 82.006-M-0813, 82.006-M-0814, 82.006-M-0815, 82.006-M-0816, 82.006-M-0817, 82.006-M-0818, 82.006-M-0819, 82.006-M-0820, 82.006-M-0821, 82.006-M-0822, 82.006-M-0823, 82.006-M-0824, 82.006-M-0825, 82.006-M-0826, 82.006-M-0827, 82.006-M-0828, 82.006-M-0829, 82.006-M-0830, 82.006-M-0831, 82.006-M-0832, 82.006-M-0833, 82.006-M-0834, 82.006-M-0835, 82.006-M-0836, 82.006-M-0837, 82.006-M-0838, 82.006-M-0839, 82.006-M-0840, 82.006-M-0841, 82.006-M-0842, 82.006-M-0843, 82.006-M-0844, 82.006-M-0845, 82.006-M-0846, 82.006-M-0847, 82.006-M-0848, 82.006-M-0849, 82.006-M-0850, 82.006-M-0851, 82.006-M-0852, 82.006-M-0853, 82.006-M-0854, 82.006-M-0855, 82.006-M-0856, 82.006-M-0857, 82.006-M-0858, 82.006-M-0859, 82.006-M-0860, 82.006-M-0861, 82.006-M-0862, 82.006-M-0863, 82.006-M-0864, 82.006-M-0865, 82.006-M-0866, 82.006-M-0867, 82.006-M-0868, 82.006-M-0869, 82.006-M-0870, 82.006-M-0871, 82.006-M-0872, 82.006-M-0873, 82.006-M-0874, 82.006-M-0875, 82.006-M-0876, 82.006-M-0877, 82.006-M-0878, 82.006-M-0879, 82.006-M-0880, 82.006-M-0881, 82.006-M-0882, 82.006-M-0883, 82.006-M-0884, 82.006-M-0885, 82.006-M-0886, 82.006-M-0887, 82.006-M-0888, 82.006-M-0889, 82.006-M-0890, 82.006-M-0891, 82.006-M-0892, 82.006-M-0893, 82.006-M-0894, 82.006-M-0895.
Epomophorus labiatus (Temminck, 1837):
RMCA: 82.006-M-1063, 82.006-M-1064, 82.006-M-1065, 82.006-M-1066, 82.006-M-1067, 82.006-M-1068, 82.006-M-1069, 82.006-M-1070, 82.006-M-1071, 82.006-M-1072, 82.006-M-1073, 82.006-M-1074, 82.006-M-1075, 82.006-M-1106, 82.006-M-1107, 82.006-M-1108, 82.006-M-1109, 82.006-M-1110, 82.006-M-1111, 82.006-M-1112, 82.006-M-1113, 82.006-M-1114, 82.006-M-1115, 82.006-M-1116, 82.006-M-1117, 82.006-M-1118, 82.006-M-1119, 82.006-M-1120, 82.006-M-1121, 82.006-M-1122, 82.006-M-1123, 82.006-M-1124, 82.006-M-1125, 82.006-M-1126, 82.006-M-1127, 82.006-M-1128, 82.006-M-1129, 82.006-M-1130, 82.006-M-1131, 82.006-M-1132, 82.006-M-1133, 82.006-M-1134, 82.006-M-1135, 82.006-M-1136, 82.006-M-1137, 82.006-M-1138.
Hipposideros ruber (Noack, 1893):
RMCA: 82.006-M-0897, 82.006-M-0898, 82.006-M-0899, 82.006-M-0900, 82.006-M-0901, 82.006-M-0902, 82.006-M-0903, 82.006-M-0904, 82.006-M-0905, 82.006-M-0906, 82.006-M-0907, 82.006-M-0908, 82.006-M-0909, 82.006-M-0910, 82.006-M-0911, 82.006-M-0912, 82.006-M-0913, 82.006-M-0914.

Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 82.006-M-0358, 82.006-M-0359, 82.006-M-0360, 82.006-M-0361, 82.006-M-0362, 82.006-M-0363, 82.006-M-0364, 82.006-M-0365, 82.006-M-0366, 82.006-M-0367, 82.006-M-0368, 82.006-M-0369, 82.006-M-0370, 82.006-M-0371, 82.006-M-0372, 82.006-M-0373, 82.006-M-0374, 82.006-M-0375, 82.006-M-0376, 82.006-M-0377, 82.006-M-0378, 82.006-M-0379, 82.006-M-0380, 82.006-M-0381, 82.006-M-0382, 82.006-M-0383, 82.006-M-0384, 82.006-M-0385, 82.006-M-0386, 82.006-M-0387, 82.006-M-0388, 82.006-M-0389, 82.006-M-0390, 82.006-M-0391, 82.006-M-0392, 82.006-M-0393, 82.006-M-0394, 82.006-M-0395, 82.006-M-0396, 82.006-M-0397, 82.006-M-0398, 82.006-M-0399, 82.006-M-0400, 82.006-M-0401, 82.006-M-0402, 82.006-M-0403, 82.006-M-0404, 82.006-M-0405, 82.006-M-0406, 82.006-M-0407, 82.006-M-0408, 82.006-M-0409, 82.006-M-0410, 82.006-M-0411, 82.006-M-0412, 82.006-M-0413, 82.006-M-0414, 82.006-M-0415, 82.006-M-0416, 82.006-M-0417, 82.006-M-0418, 82.006-M-0419, 82.006-M-0420, 82.006-M-0421, 82.006-M-0422, 82.006-M-0423, 82.006-M-0424, 82.006-M-0425, 82.006-M-0426, 82.006-M-0427, 82.006-M-0428, 82.006-M-0429, 82.006-M-0430, 82.006-M-0431, 82.006-M-0432, 82.006-M-0433, 82.006-M-0434, 82.006-M-0435, 82.006-M-0436, 82.006-M-0437, 82.006-M-0438.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
RMCA: 82.006-M-0463.
Myonycteris angolensis (Bocage, 1898):
RMCA: 82.006-M-0043, 82.006-M-0044, 82.006-M-0045.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 82.006-M-0930.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 82.006-M-0035.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 82.006-M-0916, 82.006-M-0917

SE 02031Da:

Pipistrellus rueppellii fuscipes Thomas, 1913:
AMNH: 179300

SE 02031Bd:

Epomophorus labiatus (Temminck, 1837):
ROM: 56533, 56534, 56535.
Epomops franqueti (Tomes, 1860):
ROM: 56532

SE 02032Ca:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 56543, 56545, 56546, 56547, 56548, 56550, 56551, 56552, 56553, 56554, 56555, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 56544, 56549

SE 02032Cc:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 56452, 56453, 56454, 56455, 56457, 56459, 56460, 56461, 56462, 56463, 56465, 56466, 56536, 56537, 56538, 56539, 56540, 56541, 56542.
Coleura afra (Peters, 1852):
FMNH: 182718.
Hipposideros ruber (Noack, 1893):
FMNH: 182719, 182720, 182721.
Macronycteris vittatus (Peters, 1852):
FMNH: 182717.
Miniopterus Bonaparte, 1837:
FMNH: 182723.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 182722.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 56456, 56458, 56464

SE 02032Cd:

Coleura afra (Peters, 1852):
FMNH: 42429

SE 02032Da:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 27287, 27288.
Myotis bocagii (Peters, 1870):
ZMA: MAM.22312.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.22300.

Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.22393, MAM.22394.
Scotophilus viridis (Peters, 1852):
ZMA: MAM.22395

SE 02032Bd:

Chaerephon Dobson, 1874:
ZMA: MAM.22397, MAM.22983.
Neoromicia Roberts, 1926:
ZMA: MAM.22323.
Neoromicia capensis (A. Smith, 1829):
ZMA: MAM.22324

SE 02032Db:

Chaerephon Dobson, 1874:
ZMA: MAM.22039, MAM.22398, MAM.22399, MAM.22400, MAM.22401, MAM.22402, MAM.22403, MAM.22404, MAM.22405, MAM.22406, MAM.22407, MAM.22408, MAM.22409, MAM.22410, MAM.22411, MAM.22412, MAM.22413, MAM.22414, MAM.22415, MAM.22416, MAM.22417.
Chaerephon major (Trouessart, 1897):
MCZ: 22820, 22821.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 256261, 256262, 256263, 256264, 256265, 256266, 256267, 256268, 256269, 256270, 256271, 256272, 256273, 256274. - **ROM:** 56467, 56469, 56470, 56471.
Coleura Peters, 1867:
ZMA: MAM.22272, MAM.22275.
Coleura afra (Peters, 1852):
FMNH: 42430. - **MCZ:** 26725, 26726, 26727, 26728, 26729, 26730, 26731, 26732, 26733, 26734, 33740, 33741, 33742, 33743, 33744. - **ZMA:** MAM.22261, MAM.22262, MAM.22263, MAM.22264, MAM.22265, MAM.22266, MAM.22267, MAM.22268, MAM.22269, MAM.22270, MAM.22271, MAM.22273, MAM.22274.
Epomophorus labiatus (Temminck, 1837):
ROM: 56468. - **ZMA:** MAM.22238, MAM.22239, MAM.22240, MAM.22241, MAM.22242, MAM.22243, MAM.22244, MAM.22245, MAM.22246, MAM.22247, MAM.22248, MAM.22249, MAM.22250, MAM.22251, MAM.22420, MAM.22421, MAM.22422, MAM.22423, MAM.22424, MAM.22425, MAM.22426, MAM.22427, MAM.22428, MAM.22429, MAM.22430, MAM.22431, MAM.22432, MAM.22433, MAM.22434, MAM.22435, MAM.22436, MAM.22437, MAM.22438, MAM.22439, MAM.22440, MAM.22441, MAM.22442, MAM.22443, MAM.22513, MAM.22514, MAM.22515, MAM.22516, MAM.22517, MAM.22518, MAM.22519, MAM.22520, MAM.22521, MAM.22522.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 48596.
Hipposideros ruber (Noack, 1893):
ZMA: MAM.22308, MAM.22309, MAM.22310.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.22278, MAM.22279.
Mops (Mops) Lesson, 1842:
ZMA: MAM.22396.
Mops (Mops) condylurus (A. Smith, 1833):
MCZ: 25450, 25451, 25452, 25453.
Myotis bocagii (Peters, 1870):
ZMA: MAM.22311.
Neoromicia Roberts, 1926:
ZMA: MAM.22418.
Neoromicia capensis (A. Smith, 1829):
ZMA: MAM.22302, MAM.22303, MAM.22419.
Neoromicia nana (Peters, 1852):
ZMA: MAM.22038, MAM.22318, MAM.22319, MAM.22320, MAM.22321, MAM.22322.
Neoromicia tenuipinnis (Peters, 1872):
ZMA: MAM.22305, MAM.22306, MAM.22307.
Nycteris G. Cuvier and E. Geoffroy, 1795:
ZMA: MAM.22281, MAM.23314.
Nycteris hispida (Schreber, 1774):
ZMA: MAM.22280, MAM.22282, MAM.22283, MAM.22301, MAM.24118, MAM.24119, MAM.24120. - **ZMB:** 11389.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.22299.
Pipistrellus rueppellii (Fischer, 1829):
ZMA: MAM.22344, MAM.22345, MAM.22346, MAM.22347, MAM.22348, MAM.22367, MAM.22368, MAM.22369, MAM.22370, MAM.22371, MAM.23315.
Rhinolophus fumigatus Rüppell, 1842:
ZMA: MAM.22291, MAM.22292, MAM.22293, MAM.22294, MAM.22295, MAM.22296, MAM.22297.
Scotoecus hindei Thomas, 1901:
ZMA: MAM.22391, MAM.22392.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.22276, MAM.22512, MAM.23313.
Taphozous nudiventris Cretzschmar, 1830:
MCZ: 22798, 22799

SE 02033Aa:

Epomophorus labiatus (Temminck, 1837):
MCZ: 26682, 26684, 26685, 26686, 26687, 26688, 26690.
Hipposideros ruber (Noack, 1893):
MCZ: 26675.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 26691, 26692, 26693.
Neoromicia nana (Peters, 1852):
MCZ: 26669, 26670, 26671, 26672, 26673, 26674.
Pipistrellus rueppellii (Fischer, 1829):
MCZ: 26665, 26666, 26667, 26668, 26676, 26677, 26678, 26679, 26680, 26681

SE 02033Ca:

Nycteris macrotis Dobson, 1876:
BMNH: 1924.1.1.18, 1924.1.1.19, 1924.1.1.20, 1924.1.1.21, 1924.1.1.23

SE 02033Ab:

Chaerephon Dobson, 1874:
ZMA: MAM.22722, MAM.22723, MAM.22724, MAM.22725, MAM.22726.
Epomophorus labiatus (Temminck, 1837):
ZMA: MAM.22718, MAM.22719, MAM.22720, MAM.22721

SE 02033Cb:

Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 73075.
Scotoecus hindei Thomas, 1901:
FMNH: 73070

SE 02033Bb:

Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 183931, 183932, 183933.
Nycteris hispida (Schreber, 1774):
BMNH: 1975.907.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RBINS: 15618

SE 02034Ac:

Epomophorus labiatus (Temminck, 1837):
RBINS: 15633.
Nycteris arge Thomas, 1903:
RBINS: 15629.1.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RBINS: 15629.2

SE 02034Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RBINS: 15621.1, 15621.2

SE 02034Ba:

Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 183930

SE 02034Bd:

Chaerephon nigeriae Thomas, 1913:
SMF: 43652, 43653.
Hipposideros caffer (Sundevall, 1846):
CAS: 24683, 24684, 24685, 24686, 24687, 24688, 24689, 24690, 24691, 24692. - **ROM:** 63355, 63356, 63357, 63358, 63359, 63360.
Neoromicia capensis (A. Smith, 1829):
RBINS: 15623, 15624, 15626.1, 15626.2, 15626.3.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
RBINS: 15627.1, 15627.2, 15627.3, 15627.4. - **ROM:** 38257.
Nycteris hispida (Schreber, 1774):
RBINS: 15632.

Nycteris macrotis Dobson, 1876:
BMNH: 1951.387, 1951.388, 1964.1350, 1964.1351, 1964.1352, 1964.1353, 1964.1354.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1374, 1964.1375, 1975.910. - **CAS:** 12494, 12495, 12523, 12525.
Rhinolophus Lacépède, 1799:
CAS: 24724, 24725.
Rhinolophus darlingi K. Andersen, 1905:
AMNH: 188272.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 60126.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 60120, 60121, 60122, 60123, 60124, 60125.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
BRTC: 55696

SE 03035Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RBINS: 15620

SE 02035Dd:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
SMF: 29027

SE 02036Ac:

Epomophorus minimus Claessen & De Vree, 1991:
BMNH: 1975.2403, 1975.2404.
Epomophorus minor Dobson, 1880:
BMNH: 1975.2402_1, 1975.2402_2, 1975.2402_3

SE 02036Db:

Chaerephon bivittatus (Heuglin, 1861):
AMNH: 184415.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 184384.
CHIROPTERA Blumenbach, 1779:
AMNH: 184461.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 184473. - **HZM:** 3.1384, 4.1394, 5.1409.
Laephotis wintoni Thomas, 1901:
ROM: 36368.
Pipistrellus hesperidus (Temminck, 1840):
AMNH: 184465.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 38256

SE 02037Ac:

Tadarida ventralis (Heuglin, 1861):
ROM: 59247

SE 02037Ca:

Neoromicia somalica (Thomas, 1901):
USNM: 166521.
Rhinolophus lobatus Peters, 1852:
ROM: 79663

SE 02037Ab:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 77916.
Platymops setiger (Peters, 1878):
SMF: 46556. - **WNMU:** 374.
Platymops setiger setiger (Peters, 1878):
BMNH: 1975.2656.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 350903.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 83936.
Rhinolophus lobatus Peters, 1852:
USNM: 350930.

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
LACM: 73993, 73994, 73995.
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
AMNH: 217023

SE 02037Cb:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 219724. - **MSU:** MR.9814, MR.9815, MR.9816, MR.9817.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 36484, 36485, 36486, 36487, 36488.
Neoromicia capensis (A. Smith, 1829):
MSU: MR.9819.
Rhinolophus lobatus Peters, 1852:
ROM: 41834.
Scotophilus dinganii (A. Smith, 1833):
MSU: MR.9818

SE 02037Ba:

Cardioderma cor (Peters, 1872):
ROM: 77926, 78023, 78024. - **TTU:** 8304. - **USNM:** 436509, 436510, 536110.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 152936. - **SMF:** 25214, 25215, 25216, 25217, 25218, 25219, 25220, 25221, 25222, 25223, 25224, 25225. - **USNM:** 436946, 436947, 436948, 436949, 436950, 436951, 436952, 436953, 436954, 436955, 436956, 436957, 436958, 436959, 436960, 436961, 436962, 436963, 436964, 436965, 436966, 436967, 436968, 436969, 436970, 437045, 437046, 437047, 437048, 437049, 437050, 437051, 437052, 437053, 437054, 437055, 437056, 437057, 437058, 437059, 437060, 437061, 437062, 437063, 437064, 437065, 437066, 437067, 437068, 437069, 437070, 437071, 437072, 437073, 437074, 437075, 437076.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1978.934.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 237323. - **HZM:** 33.13252. - **RMNH:** MAM.27115, MAM.27116, MAM.27118, MAM.27119. - **USNM:** 436387, 436388, 436389, 436390, 436391, 436392, 436393, 436404.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 436516.
Macronycteris vittatus (Peters, 1852):
ROM: 75627.
Miniopterus fraterculus Thomas and Schwann, 1906:
ROM: 81212, 81214.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 237344. - **ROM:** 76082, 76083, 81213.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 86613. - **USNM:** 437153, 437154, 437155, 437156, 437157, 437158, 437159, 437160, 437161, 437162, 437163, 437164, 437165, 437166, 437167, 437168, 437169, 437170, 437171, 437172, 437173, 437174, 437175, 437176, 437177, 437178, 437179, 437180, 437181, 437182, 437183, 437184, 437185, 437186, 437236, 437237, 437238, 437239.
Neoromicia rendalli (Thomas, 1889):
USNM: 436736, 436737.
Nycteris hispida (Schreber, 1774):
ROM: 91175.
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015:
AMNH: 237345.
Otomops martiensseni (Matschie, 1897):
ZMA: MAM.10084, MAM.10085.
Platymops setiger (Peters, 1878):
MNHN: ZM-MO-1966-182, ZM-MO-1966-183. - **ROM:** 83008, 83009, 83010, 91254. - **SMF:** 46557. - **USNM:** 351319.
Platymops setiger setiger (Peters, 1878):
FMNH: 153015, 153016, 153017, 153018, 153019, 153020, 153021, 153022. - **ROM:** 35685, 35686, 63786, 63787, 63791, 63792. - **USNM:** 351166, 351167, 351168, 351169, 351170.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 351225.
Rhinolophus lobatus Peters, 1852:
FMNH: 152583, 152584, 152585.
Rhinolophus simulator K. Andersen, 1904:
USNM: 351224.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
USNM: 436365.
Scotoecus hirundo (de Winton, 1899):
USNM: 351002, 436746, 436747, 436748, 436749, 436750, 436751, 436752, 436753, 436754.
Scotophilus dinganii (A. Smith, 1833):
USNM: 436787, 436788, 436789, 436790, 436791, 436792, 436793, 436794.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
FMNH: 153033.

Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
FMNH: 153027, 153028, 153029, 153030, 153031, 153032, 153034, 153035, 153036, 153037, 153038, 153039, 153040, 153041, 153042. - **USNM:** 351086, 351087, 351088.
Triaenops afer Peters, 1877:
USNM: 436693, 436695

SE 02037Bc:

Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015:
NMK: 15459, 15460, 15461, 15462, 15463, 15464. - **OMNH:** 16662. - **RMCA:** 38546, 38547, 38548, 38549. - **ROM:** 48654, 48655, 48656, 48657, 48658, 48659, 48660, 48661, 48662, 48663, 48664, 48665, 48666, 48667, 63770, 63771, 63772, 63773, 63774, 63775, 63776, 63777, 63778, 63779, 63780, 63781, 63782, 63783, 63796, 63805, 63806, 63807, 63808, 63809, 63810, 63811, 63812, 63813, 65875, 65876, 65877, 65878, 65879, 66031, 66034, 66035, 66036, 66037, 81198, 81199. - **USNM:** 437312, 437313, 437314, 437315, 437316, 437317, 437318, 437319, 437320, 437321, 437322, 437323, 437324, 437325, 437326, 437327, 437328, 437329, 437330, 437331, 437332, 437333, 437334, 437335, 437336, 437337, 437338, 437340, 437341, 437342, 437343, 437344, 437345, 437346, 437347, 437348.
Triaenops afer Peters, 1877:
RMCA: 38552, 38553

SE 02037Dc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 351121, 351165

SE 02037Bb:

Chaerephon bivittatus (Heuglin, 1861):
ROM: 63793.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 63794, 63795, 65957.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 65870, 65954, 65955.
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015:
ROM: 65871, 65872, 65873, 65874.
Scotoecus hindei Thomas, 1901:
ROM: 65956

SE 02037Bd:

Cardioderma cor (Peters, 1872):
AMNH: 184336, 184337, 184338, 184339. - **CUMV:** 14592, 14593, 14594, 14595, 14596, 14597, 14598, 14599, 14600, 14601, 14602, 14603, 14604, 14605, 14606, 14607, 14608, 14609, 14610, 14611, 14612, 14613, 14614, 14615, 14616, 14617, 14618, 14619, 14889, 14890, 14891, 14892, 14893, 14896, 14905, 15017, 21177. - **ROM:** 91342, 91343, 91344, 91345, 91346, 91347, 91348, 91349, 91350, 91351, 91352, 91353, 91354, 91355, 91356, 91357, 91358, 91359, 91360, 91361, 91362, 91363, 91364, 91365, 91366, 91367, 91368, 91369, 91370, 91371, 91372, 91495, 91496, 91497, 91498, 91499, 91500, 91501, 91502, 91503, 91504, 91505, 91506, 91507, 91508, 91509, 91510, 91511, 91512, 91513, 91514, 91515, 91516, 91517, 91518, 91519, 91520, 91521, 91522, 91523, 91524, 91525, 91526, 91527, 91528, 91529, 91530, 91531, 91532, 91533, 91534, 91535, 91536, 91537, 91538, 91539, 91540, 91541, 91542, 91543, 91544, 91545, 91546, 91547, 91548, 91549, 91550, 91551, 91552, 91553, 91554, 91555, 91556, 91557, 91558, 91559, 91560, 91561, 91562, 91563, 91564, 91565, 91566, 91567, 91568, 91569, 91570, 91571. - **USNM:** 350879.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 184381, 184382, 184383. - **ROM:** 65880. - **USNM:** 437044.
Epomophorus labiatus (Temminck, 1837):
AMNH: 184472. - **CUMV:** 13685.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 63803, 63804. - **USNM:** 436395, 436396, 436397, 436398, 436399, 436400, 436401, 436402, 436403. - **ZMB:** 53898.
Hipposideros caffer (Sundevall, 1846):
ZMB: 67660, 67661, 67671, 67690, 67764.
Kerivoula argentata Tomes, 1861:
AMNH: 184470, 184471.
Miniopterus fraterculus Thomas and Schwann, 1906:
ROM: 81215.
Miniopterus natalensis (A. Smith, 1833):
ROM: 76084, 76085, 76086, 81216.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 437235.
Neoromicia nana (Peters, 1852):
USNM: 436700. - **WAM:** M26657, M26658, M26659, M26660, M26661, M26662, M26663, M26664, M26665, M26666, M26667, M26668.
Neoromicia somalica (Thomas, 1901):
WAM: M26645, M26646, M26647, M26648, M26649, M26650, M26651, M26652, M26653, M26654, M26655, M26656.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 184447, 184448, 184449, 184450, 184452. - **FMNH:** 67688, 67879, 67880, 67881, 67882.
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015:
HZM: 12.11899. - **ROM:** 77388, 78155, 78156, 78157, 78158.

Platymops setiger setiger (Peters, 1878):
USNM: 351171, 351172.
Rhinolophus hildebrandtii Peters, 1878:
ZMB: 50029.
Rhinolophus lobatus Peters, 1852:
ROM: 77812. - **ZMB:** 50030.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMB: 67227.
Scotoecus hirundo (de Winton, 1899):
USNM: 436755, 436756, 436757, 436758, 436759, 436760, 436761, 436762, 436763.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 184367. - **ROM:** 65881, 65882. - **USNM:** 436795, 436796.
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 351089.
Triaenops afer Peters, 1877:
USNM: 436694

SE 02037Db:

Miniopterus inflatus Thomas, 1903:
SMF: 57588.
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015:
RMCA: 75.054-M-0016. - **SMNS:** 46077, 46079.
Rhinolophus lobatus Peters, 1852:
RMCA: 75.054-M-0001.
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
ROM: 68371, 68372, 68373

SE 02037Dd:

Eptesicus hottentotus (A. Smith, 1833):
ROM: 80823

SE 02038Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 184446, 184451

SE 02038Ac:

Cardioderma cor (Peters, 1872):
FMNH: 152524, 152525.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 35266.
Neoromicia helios (Heller, 1912):
CM: 98001, 98002, 98004, 98005, 98029. - **NAU:** 4343, 4345, 4346, 4349, 4350, 4351, 4353, 4355, 4356, 4357.
Neoromicia nana (Peters, 1852):
CM: 98003.
Neoromicia somalica (Thomas, 1901):
CM: 97980, 97981, 97982.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 57538, 57539.
Scotophilus andrewreborii Brooks and Bickham, 2014:
CM: 98044, 98045, 98054

SE 02038Ca:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 44253. - **USNM:** 181463, 181464, 181465, 181466, 181467, 181468, 181469, 181470, 181471, 181472, 181474, 181475, 181476, 181477, 181478, 181479, 436971, 436972, 436973, 436974, 436975, 436976, 436977, 436978, 436979, 436980, 436981, 436982, 436983, 436984, 436985, 436986, 436987, 436988, 436989, 436990, 436991, 436992, 436993, 436994, 436995, 436996, 436997, 436998, 436999, 437000, 437001, 437002, 437003, 437004, 437005, 437006, 437007, 437008, 437009, 437010, 437011, 437012, 437013, 437014, 437015, 437016, 437017, 437018, 437019, 437020, 437021, 437022, 437023.
Epomophorus wahlbergi (Sundevall, 1846):
CM: 102067, 102071. - **USNM:** 436394.
Miniopterus africanus Sanborn, 1936:
ROM: 48602, 48697, 48698.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 437187, 437188, 437189, 437190, 437191, 437192, 437193, 437194, 437195, 437196, 437197, 437198, 437199, 437200, 437201, 437202, 437203, 437204, 437205, 437206, 437207, 437208, 437209, 437210, 437211, 437212, 437213, 437214, 437215, 437216, 437217, 437218, 437219, 437220, 437221, 437222, 437223, 437224, 437225.
Rhinolophus hildebrandtii Peters, 1878:
AMNH: 219735.

Scotoecus hindei Thomas, 1901:
AMNH: 219749, 219750, 219751, 219752, 219753, 219754, 219755, 219756. - **ROM:** 48700.
Scotophilus dinganii (A. Smith, 1833):
ROM: 48601.
Triaenops afer Peters, 1877:
ROM: 48603

SE 02038Cc:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 41777, 41922, 48506, 48507, 48508. - **ZMA:** MAM.21066, MAM.21067, MAM.21068.
Coleura Peters, 1867:
ZMA: MAM.21058.
Miniopterus Bonaparte, 1837:
ZMA: MAM.21070, MAM.21072.
Miniopterus africanus Sanborn, 1936:
ROM: 36391.
Miniopterus fraterculus Thomas and Schwann, 1906:
ROM: 36402, 36420.
Miniopterus natalensis (A. Smith, 1833):
ROM: 36403. - **ZMA:** MAM.21069, MAM.21071.
Neoromicia rendalli (Thomas, 1889):
ROM: 48498, 48499, 48500.
Platymops setiger setiger (Peters, 1878):
ROM: 48687.
Rhinolophus fumigatus Rüppell, 1842:
WNMU: 372.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 152578.
Scotoecus hindei Thomas, 1901:
ROM: 36370, 36371.
Triaenops afer Peters, 1877:
ROM: 36334, 36335, 48501, 48502, 48503, 48504, 48505

SE 02038Cd:

Cardioderma cor (Peters, 1872):
ROM: 46944, 79649

SE 02038Dc:

Epomophorus wahlbergi (Sundevall, 1846):
USNM: 436386.
Nycteris hispida (Schreber, 1774):
USNM: 350863, 350872.
Nycteris macrotis Dobson, 1876:
USNM: 350850.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 350864, 350865.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 67932

SE 03038Ba:

Coleura afra (Peters, 1852):
AMNH: 82396.
Hipposideros caffer (Sundevall, 1846):
MCZ: 31844, 31845, 31846, 32062, 32063, 32064, 32065

SE 02039Dc:

Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 67056

SE 02040Aa:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 71334.
Mops (Mops) condylurus (A. Smith, 1833):
MCZ: 31855, 31856, 31857, 31858, 31859, 31860, 31861, 31862, 31863, 31865, 33851, 33852, 33853, 33854, 33855, 33856, 33857, 33858, 33859, 33860.
Nycteris aurita (K. Andersen, 1912):
MCZ: 32059.
Nycteris hispida (Schreber, 1774):
MCZ: 31842. - **ROM:** 71307, 71337.

Nycticeinops schlieffenii (Peters, 1859):
ROM: 71335, 71336.
Scotoecus albofuscus (Thomas, 1890):
ROM: 71333

SE 02040Ac:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 31837.
Neoromicia somalica (Thomas, 1901):
ROM: 71311.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1975.2446.
Pipistrellus rueppellii (Fischer, 1829):
ROM: 68092, 68093, 71321, 71322, 71323, 71324, 71325, 71326, 71327, 71328, 71329, 71330, 71331, 71332.
Scotophilus dinganii (A. Smith, 1833):
ROM: 71293, 71298.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 71301.
Scotophilus viridis (Peters, 1852):
ROM: 71315

SE 02040Cc:

CHIROPTERA Blumenbach, 1779:
BMNH: 1975.2595.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1975.2411.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1975.2615, 1975.2617, 1975.2618, 1975.2619.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1975.2617_1, 1975.2617_2

SE 02040Ad:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 31866, 31877.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 5594

SE 02040Bc:

Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 206682, 206683, 206684. - **LACM:** 42800, 42801, 42803, 42804, 42805, 42806.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 31839

SE 02040Da:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 71262, 71263.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 206671, 206672, 206673, 206674. - **ROM:** 71250, 71260.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 30773.
Macronycteris vittatus (Peters, 1852):
BMNH: 1889.3.8.3.
Mimetillus moloneyi (Thomas, 1891):
LACM: 28010, 28011.
Neoromicia rendalli (Thomas, 1889):
ROM: 71251, 71252, 71255, 71256.
Nycteris aurita (K. Andersen, 1912):
ROM: 71247. - **USNM:** 21019, 21020, 21021, 21023, 38699.
Nycteris hispida (Schreber, 1774):
ROM: 71248.
Scotophilus viridis (Peters, 1852):
ROM: 71253, 71254.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 71242, 71243, 71244, 71245, 71249

SE 02040Bd:

Cardioderma cor (Peters, 1872):
FMNH: 43314. - **MCZ:** 31825, 31826, 31827, 31828, 31829, 31830, 31831, 31832, 31833, 31835, 31838. - **MSU:** MR.33421, MR.33422, MR.33423, MR.33424, MR.33425, MR.33426.

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 67945. - **MSU:** MR.33461.
Epomophorus labiatus (Temminck, 1837):
MSU: MR.33405.
Epomophorus wahlbergi (Sundevall, 1846):
ZMA: MAM.21708.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 31836. - **ZMB:** T10474.
Scotoecus hirundo (de Winton, 1899):
MSU: MR.33435.
Scotophilus nigrita (Schreber, 1774):
MSU: MR.33553.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
MCZ: 31847, 31849, 31850, 31851, 31852, 31853, 31854, 31874, 31875, 31876, 31878.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
MSU: MR.33427, MR.33428, MR.33429, MR.33430, MR.33431, MR.33575, MR.33576

SE 02041Aa:

Chaerephon pumilus (Cretzschmar, 1826):
ZMB: T10478, T10479.
Taphozous hildegardeae Thomas, 1909:
ZMB: T10483, T10484

SE 03011Dd:

Eidolon helvum (Kerr, 1792):
ZMA: MAM.15529, MAM.15530, MAM.15531

SE 04012Aa:

Rhinolophus adami Aellen and Brosset, 1968:
MNHN: ZM-MO-1968-408

SE 03012Ad:

Neoromicia nana (Peters, 1852):
AMNH: 120345

SE 03012Cb:

Chaerephon Dobson, 1874:
ZMA: MAM.15717, MAM.15718, MAM.15719, MAM.15720.
Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.15716.
Hipposideros caffer (Sundevall, 1846):
FMNH: 73832, 73833.
Megaloglossus woermanni Pagenstecher, 1885:
FMNH: 73819, 73820.
Rhinolophus silvestris Aellen, 1959:
FMNH: 73827

SE 03012Bd:

Rhinolophus alcyone Temminck, 1853:
HZM: 15.40192, 16.40193

SE 03013Ac:

Epomops franqueti (Tomes, 1860):
AMNH: 120321.
Micropteropus pusillus (Peters, 1868):
AMNH: 120312, 120313, 120314, 120315, 120316, 120317, 120318, 120319, 120320

SE 03013Cb:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1983-1190, ZM-MO-1983-1191, ZM-MO-1983-1192, ZM-MO-1983-1193.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1975-1085, ZM-MO-1975-1086, ZM-MO-1975-1087, ZM-MO-1975-1088, ZM-MO-1975-1089, ZM-MO-1975-1090, ZM-MO-1975-1091, ZM-MO-1975-1092, ZM-MO-1975-1093, ZM-MO-1975-1094, ZM-MO-1983-1106, ZM-MO-1983-1107, ZM-MO-1983-1108, ZM-MO-1983-1109, ZM-MO-1983-1110, ZM-MO-1983-1111.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1985-1164.

Myonycteris torquata (Dobson, 1878):
MNHN: ZM-MO-1992-383, ZM-MO-1992-384, ZM-MO-1992-385.
Neoromicia guineensis (Bocage, 1889):
MNHN: ZM-MO-1985-953.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-493.
Nycteris macrotis Dobson, 1876:
MNHN: ZM-MO-1984-1389

SE 03013Dd:

Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 120291, 120292, 120293, 120294, 120295, 120339, 120340, 120341, 120342.
Hipposideros ruber (Noack, 1893):
AMNH: 120344.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 120343

SE 03014Cd:

Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1968-414, ZM-MO-1968-415, ZM-MO-1968-416.
Rhinolophus adami Aellen and Brosset, 1968:
MNHN: ZM-MO-1985-1185, ZM-MO-1985-1188 A, ZM-MO-1985-1188 B, ZM-MO-1985-1188 C, ZM-MO-1985-1189 A, ZM-MO-1985-1189 B, ZM-MO-1985-1189 C, ZM-MO-1985-1190 A, ZM-MO-1985-1190 B, ZM-MO-1985-1376

SE 03014Dc:

Eidolon helvum (Kerr, 1792):
MNHN: ZM-MO-1983-1376, ZM-MO-1983-1377.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1962-1096, ZM-MO-1985-1352, ZM-MO-1985-1353, ZM-MO-1985-1354, ZM-MO-1985-1355, ZM-MO-1985-1356, ZM-MO-1985-1358.
Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1985-1357.
Miniopterus minor Peters, 1867:
MHNG: 1074.013.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1985-1182.
Rhinolophus alcyone Temminck, 1853:
MNHN: ZM-MO-1962-1095 A, ZM-MO-1962-1095 B, ZM-MO-1962-1095 C, ZM-MO-1962-1095 D.
Rhinolophus silvestris Aellen, 1959:
HNHM: 97.4.1. - **MNHN:** ZM-MO-1985-1187, ZM-MO-1985-1192, ZM-MO-1985-1193, ZM-MO-1985-1518. - **ZMA:** MAM.19320.
Triaenops afer Peters, 1877:
MNHN: ZM-MO-1985-1350, ZM-MO-1985-1351. - **ZMA:** MAM.19319

SE 03014Dd:

Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1985-656

SE 03015Cd:

Mops Lesson, 1842:
MNHN: ZM-MO-1985-1384, ZM-MO-1985-1385

SE 03015Dd:

Epomops franqueti (Tomes, 1860):
RMCA: 92.119-M-0005, 92.119-M-0006.
Hipposideros ruber (Noack, 1893):
RMCA: 92.119-M-0001, 92.119-M-0002, 92.119-M-0003.
Micropteropus pusillus (Peters, 1868):
RMCA: 80.006-M-0001, 80.006-M-0002, 80.006-M-0003

SE 03016Aa:

Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 120306.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 6570b.
Eidolon helvum (Kerr, 1792):
RMCA: 6488, 6489, 6490.
Glauconycteris argentata (Dobson, 1875):

AMNH: 120327, 120328, 120329, 120330, 120331, 120332, 120333, 120334, 120335, 120336, 120337, 120338.
Glauconycteris variegata (Tomes, 1861):
RMCA: 6570a.
Micropteropus pusillus (Peters, 1868):
RMCA: 6546.
Nycteris hispida (Schreber, 1774):
AMNH: 120307, 120326. - **RMCA:** 6559.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 120304, 120322, 120323, 120324, 120325

SE 03016Cc:

Micropteropus pusillus (Peters, 1868):
ZMA: MAM.21146, MAM.21147, MAM.21148.
Neoromicia Roberts, 1926:
ZMA: MAM.21154.
Neoromicia nana (Peters, 1852):
ZMA: MAM.21153.
Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.21149, MAM.21150, MAM.21151, MAM.21152

SE 03016Bb:

Nycteris hispida (Schreber, 1774):
RMCA: 1537

SE 03017Aa:

Neoromicia nana (Peters, 1852):
RMCA: 2401

SE 03017Db:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 19824, 19825.
Megaloglossus woermanni Pagenstecher, 1885:
BMNH: 1954.787.
Micropteropus pusillus (Peters, 1868):
BMNH: 1954.784, 1954.785. - **RMCA:** 19477a, 19477b, 19477c, 19478.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
BMNH: 1954.840, 1954.841, 1954.842, 1954.843. - **RMCA:** 19838, 19839, 19840, 19841, 19842, 19843, 19844, 19845, 19846, 19847.
Myopterus whitleyi (Scharff, 1900):
RMCA: 19476, 19826, 19827.
Neoromicia capensis (A. Smith, 1829):
RMCA: 19851, 19852.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 19475, 19828, 19829, 19830, 19849, 19850.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 19853.
Saccolaimus peli (Temminck, 1853):
RMCA: 19472.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 19831, 19832, 19833, 19848.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 19473

SE 03018Ad:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 27499, 27500.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 27501.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 27498

SE 03019Bc:

Eidolon helvum (Kerr, 1792):
RMCA: 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788

SE 03023Ad:

Epomops franqueti (Tomes, 1860):
RMCA: 34353.

Glauconycteris argentata (Dobson, 1875):
RMCA: 88.011-M-0015.
Neoromicia nana (Peters, 1852):
RMCA: 29537.
Nycteris grandis Peters, 1865:
RMCA: 29536.
Saccolaimus peli (Temminck, 1853):
RMCA: 29535

SE 03025Bb:

Chaerephon gallagheri (Harrison, 1975):
BMNH: 1976.207.
Myonycteris torquata (Dobson, 1878):
HZM: 3.7866, 4.7867, 5.7868.
Nycteris hispida (Schreber, 1774):
HZM: 43.7850.
Rhinolophus alcyone Temminck, 1853:
HZM: 1.8022

SE 03026Bb:

Hypsugo crassulus (Thomas, 1904):
BMNH: 1963.1174.
Nycteris grandis Peters, 1865:
BMNH: 1962.1849

SE 03027Ac:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 76.022-M-0021, 76.022-M-0022

SE 03027Cb:

Kerivoula lanosa (A. Smith, 1847):
BMNH: 1952.1613

SE 03028Aa:

Eidolon helvum (Kerr, 1792):
RMCA: 33295.
Epomops franqueti (Tomes, 1860):
RMCA: 20431, 23424, 28886, 30556, 31346, 31403, 31662, 31663, 34209, 35066, 35067, 35068, 35069, 35072, 35512.
Glauconycteris argentata (Dobson, 1875):
RMCA: 32862a, 32862b.
Hipposideros ruber (Noack, 1893):
RMCA: 31151, 32395, 32396, 32397, 32399, 32864, 32865, 76.022-M-0023.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 23422, 32855a.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 20429, 32394, 33291, 35073, 35074, 38625, 38626.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 38627.
Myonycteris torquata (Dobson, 1878):
RMCA: 38624.
Myotis bocagii (Peters, 1870):
RMCA: 32398.
Neoromicia nana (Peters, 1852):
RMCA: 32585, 32586, 32587, 32857, 32858, 32859, 32860, 32861, 32862.
Nycteris grandis Peters, 1865:
RMCA: 32393.
Nycteris hispida (Schreber, 1774):
RMCA: 26189.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
RMCA: 31345.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 20466, 27729, 32800, 34803, 76.022-M-0024

SE 03028Ac:

Eidolon helvum (Kerr, 1792):
RMCA: 28885.
Epomophorus labiatus (Temminck, 1837):
RMCA: 31242.

Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 33285.
Epomops franqueti (Tomes, 1860):
RMCA: 31402, 32400, 32401, 32402, 32403, 32404, 32405, 33284, 33286, 34798, 34799, 38623.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 38586.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 32577, 32578, 32579, 32582, 32583, 33288.
Micropteropus pusillus (Peters, 1868):
RMCA: 32406, 33287, 34800.
Myonycteris angolensis (Bocage, 1898):
RMCA: 34210.
Rhinolophus lobatus Peters, 1852:
RMCA: 38589.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
RMCA: 32584

SE 03028Ca:

Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 35075, 79.033-M-0001.
Myonycteris angolensis (Bocage, 1898):
RMCA: 35077.
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015:
RMCA: 35076

SE 03028Cc:

Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 32580, 32581

SE 03028Ab:

Epomops franqueti (Tomes, 1860):
RMCA: 21952.
Myonycteris angolensis (Bocage, 1898):
RMCA: 38588

SE 03028Ba:

Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 48662

SE 03028Bc:

Myonycteris angolensis (Bocage, 1898):
RMCA: 23423

SE 03028Bb:

Nycteris arge Thomas, 1903:
RMCA: 20430.
Rhinolophus clivosus Cretzschmar, 1828:
RMCA: 79.010-M-0005, 79.010-M-0006

SE 03029Aa:

Mops (Mops) condylurus (A. Smith, 1833):
UNIKIS: BUKCH60, BUKCH61, BUKCH65, BUKCH68, BUKCH70, BUKCH71, BUKCH72, BUKCH73, BUKCH74, BUKCH75, BUKCH76, BUKCH77, BUKCH78, BUKCH79, BUKCH80, BUKCH81, BUKCH82, BUKCH83, BUKCH84, BUKCH86, BUKCH87, BUKCH88, BUKCH91, BUKCH92, BUKCH93, BUKCH94, BUKCH96, BUKCH99

SE 03029Ac:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 22909, 22910, 27204, 27205, 27206, 27207, 27208, 27215, 27216, 27217, 27218, 27219, 27221, 28907, 28908, 28909, 35492.
Coleura afra (Peters, 1852):
BMNH: 1953.10, 1953.11, 1953.12, 1953.5, 1953.6, 1953.7, 1953.8, 1953.9.
Epomophorus labiatus (Temminck, 1837):
NMW: 4880. - **RMCA:** 22755, 22756, 27987, 31008, 31009, 79.010-M-0004, 79.011-M-0001, 79.011-M-0002, 82.016-M-0145, 82.016-M-0147, 82.016-M-0149, 82.016-M-0150, 82.016-M-0151, 82.016-M-0152. - **USNM:** 301713, 301714.

Glauconycteris Dobson, 1875:
RMCA: 35692.
Glauconycteris argentata (Dobson, 1875):
RMCA: 35691.
Glauconycteris variegata (Tomes, 1861):
ZMB: 72234.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 22753, 22754, 82.016-M-0146.
Mops (Mops) condylurus (A. Smith, 1833):
MCZ: 48200, 48201, 48202, 48203, 48204, 48205, 48206, 48207, 48208, 48209, 48210, 48211, 48212, 48213, 48214. -
RMCA: 28905, 28906, 35693.
Mops (Mops) midas (Sundevall, 1843):
MCZ: 48197, 48198, 48199. - **RMCA:** 22911, 27214, 33530, 35694, 38152. - **USNM:** 301727, 301728.
Neoromicia nana (Peters, 1852):
RMCA: 22913. - **ZMB:** T09305, T09307.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 22912, 27209, 27210, 27211, 27212, 27213, 35688, 90.004-M-0001. - **ZMB:** 54067, 67026, 67027, 67028.
Nycteris hispida (Schreber, 1774):
MCZ: 48240. - **NMW:** 10302, 10303.
Nycteris macrotis Dobson, 1876:
RMNH: MAM.16369.
Rhinolophus clivosus Cretzschmar, 1828:
RMCA: 22740, 22741, 22742, 22743, 22744, 22745, 22746, 22747, 22748, 22749, 22750, 22751, 22752.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 27988.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 22757, 27203, 27220.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 82.016-M-0148

SE 03029Ab:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1996-1539.
Epomophorus labiatus (Temminck, 1837):
MHNG: 1497.099, 1499.010, 1499.011, 1499.012, 1499.013, 1499.014, 1499.015, 1499.016, 1499.017, 1499.018, 1499.019, 1499.020, 1499.032, 1499.033, 1499.034, 1499.036, 1499.037, 1499.038, 1499.039, 1499.040, 1499.041, 1499.042, 1499.043, 1499.044, 1499.045, 1499.047, 1499.048, 1499.049, 1499.052, 1499.053, 1499.055, 1499.056, 1499.063, 1499.077, 1499.082, 1499.083, 1499.084. - **SMF:** 57512.
Rhinolophus fumigatus Rüppell, 1842:
MHNG: 1895.048, 1895.049, 1895.050, 1895.052, 1895.053, 1895.054, 1895.055, 1895.056, 1895.072, 1895.073, 1895.074, 1895.075, 1895.076, 1895.077, 1895.078, 1895.079, 1895.086.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
SMF: 57530

SE 03029Ad:

Chaerephon pumilus (Cretzschmar, 1826):
RBINS: 19926.1, 19926.2, 19926.3, 19926.4. - **RMCA:** 35491.
Eidolon helvum (Kerr, 1792):
MHNG: 1498.011, 1498.012, 1498.031, 1498.032. - **RBINS:** 19908. - **RMCA:** 82.023-M-0001, 82.023-M-0002.
Epomophorus labiatus (Temminck, 1837):
MHNG: 1497.097, 1497.098, 1498.035, 1498.036, 1498.037, 1498.038, 1498.039, 1498.040, 1498.041, 1498.042, 1498.043, 1498.044, 1498.045, 1498.046, 1498.047, 1498.048, 1498.049, 1498.050, 1498.051, 1498.052, 1498.054, 1498.055, 1498.056, 1498.057, 1498.058, 1498.059, 1498.060, 1498.061, 1498.062, 1498.063, 1498.064, 1498.065, 1498.066, 1498.067, 1498.068, 1498.069, 1498.070, 1498.071, 1498.075, 1498.083, 1498.084, 1498.085, 1498.086, 1498.088, 1498.089, 1498.090, 1498.091, 1498.093, 1498.094, 1498.095, 1498.096, 1498.097, 1498.098, 1498.099, 1498.100, 1499.002, 1499.003, 1499.004, 1499.005, 1499.006, 1499.007, 1499.008, 1499.009, 1499.021, 1499.023, 1499.024, 1499.025, 1499.026, 1499.027, 1499.028, 1499.046, 1499.050, 1499.051, 1499.054, 1499.057, 1499.058, 1499.068, 1499.069, 1499.070, 1499.071, 1499.072, 1499.073, 1499.075, 1499.076, 1499.081, 1499.085, 1499.086, 1499.087, 1499.088, 1499.089. - **RBINS:** 19909, 19909.1, 19909.2, 19909.3, 19909.4. - **RMCA:** 82.016-M-0003, 82.016-M-0004, 82.016-M-0010, 82.016-M-0011, 82.016-M-0012, 82.016-M-0013, 82.016-M-0014, 82.016-M-0015, 82.016-M-0016, 82.016-M-0017, 82.016-M-0018, 82.016-M-0019, 82.016-M-0021, 82.016-M-0022, 82.016-M-0023, 82.016-M-0024, 82.016-M-0025, 82.016-M-0026, 82.016-M-0027, 82.016-M-0028, 82.016-M-0029, 82.016-M-0030, 82.016-M-0031, 82.016-M-0032, 82.016-M-0033, 82.016-M-0034, 82.016-M-0035, 82.016-M-0036, 82.016-M-0037, 82.016-M-0038, 82.016-M-0039, 82.016-M-0040, 82.016-M-0041, 82.016-M-0042, 82.016-M-0044, 82.016-M-0045, 82.016-M-0046, 82.016-M-0047, 82.016-M-0048, 82.016-M-0049, 82.016-M-0050, 82.016-M-0051, 82.016-M-0052, 82.016-M-0053, 82.016-M-0054, 82.016-M-0055, 82.016-M-0056, 82.016-M-0057, 82.016-M-0058, 82.016-M-0059, 82.016-M-0060, 82.016-M-0061, 82.016-M-0062, 82.016-M-0063, 82.016-M-0064, 82.016-M-0065, 82.016-M-0066, 82.016-M-0067, 82.016-M-0070, 82.016-M-0071, 82.016-M-0073, 82.016-M-0074, 82.016-M-0075, 82.016-M-0076, 82.016-M-0077, 82.016-M-0078, 82.016-M-0079, 82.016-M-0080, 82.016-M-0081, 82.016-M-0082, 82.016-M-0083, 82.016-M-0084, 82.016-M-0085, 82.016-M-0086, 82.016-M-0087, 82.016-M-0088, 82.016-M-0089, 82.016-M-0090, 82.016-M-0091, 82.016-M-0092, 82.016-M-0093, 82.016-M-0125, 82.016-M-0126, 82.016-M-0127, 82.016-M-0128, 82.016-M-0130, 82.016-M-0131, 82.016-M-0132, 82.016-M-0133, 82.016-M-0134, 82.016-M-0135, 82.016-M-0136, 82.016-M-0137, 82.016-M-0138, 82.016-M-0139, 82.016-M-0140, 82.016-M-0141, 82.016-M-0142, 82.016-M-0143, 82.016-M-0144, 82.016-M-0153, 82.016-M-0154, 82.016-M-0155, 82.016-M-0156.

Hipposideros ruber (Noack, 1893):
RMCA: 35154.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 35152.
Macronycteris vittatus (Peters, 1852):
RMCA: 82.016-M-0043.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 31010, 31011, 31012, 31013, 31014, 31015, 31016, 31017, 31018, 31019, 31020, 31021, 31022, 31023, 31024, 31025, 31026, 31027, 31028, 31029, 31030, 31031, 31032, 31033, 31034, 31035, 31036, 31037, 31038, 31039, 31040-01, 31040-02, 31040-03, 31040-04, 31040-05, 31040-06, 31040-07, 31040-08, 31040-09, 31040-10, 31040-11, 31040-12, 31040-13, 31040-14, 31040-15, 31040-16, 31040-17, 31040-18, 31040-19, 31040-20, 31040-21, 31040-22, 31040-23, 31040-24, 31040-25, 31040-26, 31040-27, 31040-28, 31040-29, 31040-30, 31040-31, 31040-32, 31040-33, 31040-34, 31040-35, 31040-36, 31040-37, 31040-38, 31040-39, 31040-40, 31040-41, 31040-42, 31040-43, 31040-44, 31040-45, 31040-46, 31041-01, 31041-02, 31041-03, 31041-04, 31041-05, 31041-06, 31041-07, 31041-08, 31041-09, 31041-10, 31041-11, 31041-12, 31041-13, 31041-14, 31041-15, 31041-16, 31041-17, 31041-18, 31041-19, 31041-20, 31041-21, 31041-22, 31041-23, 31041-24, 31041-25, 31041-26, 31041-27, 31041-28, 31041-29, 31041-30, 31041-31, 31041-32, 31041-33, 31041-34, 31041-35, 31041-36, 31041-37, 31041-38, 31041-39, 31041-40, 31041-41, 31041-42, 31041-43, 31041-44, 31041-45, 31041-46, 31041-47, 31041-48, 31041-49, 31041-50, 31041-51, 31041-52, 31041-53, 31041-54, 31041-55, 31041-56, 31041-57, 31041-58, 31041-59, 31041-60, 31041-61, 31041-62, 31041-63, 31041-64, 31041-65, 31041-66, 31041-67, 31041-68, 31041-69, 82.016-M-0001, 82.016-M-0094, 82.016-M-0095, 82.016-M-0096, 82.016-M-0097, 82.016-M-0098, 82.016-M-0099, 82.016-M-0100, 82.016-M-0101, 82.016-M-0102, 82.016-M-0103, 82.016-M-0104, 82.016-M-0105, 82.016-M-0106, 82.016-M-0107, 82.016-M-0108, 82.016-M-0109, 82.016-M-0110, 82.016-M-0111, 82.016-M-0112, 82.016-M-0113, 82.016-M-0114, 82.016-M-0115, 82.016-M-0116, 82.016-M-0117, 82.016-M-0118, 82.016-M-0119, 82.016-M-0120, 82.016-M-0121, 82.016-M-0122, 82.016-M-0123, 82.016-M-0129. - **SMF:** 23789, 57552, 57553.
Neoromicia Roberts, 1926:
MHNG: 1608.004.
Neoromicia nana (Peters, 1852):
RMCA: 35155, 82.016-M-0009.
Neoromicia tenuipinnis (Peters, 1872):
MCZ: 38033. - **MHNG:** 1607.096, 1608.005, 1608.006, 1608.011, 1608.018, 1608.019, 1624.003, 1895.089, 1895.090. - **RMCA:** 16271.
Rhinolophus Lacépède, 1799:
MHNG: 1895.080.
Rhinolophus fumigatus Rüppell, 1842:
MHNG: 1895.087, 1895.088.
Rhinolophus hildebrandtii Peters, 1878:
RMCA: 35153.
Rousettinae Andersen, 1912:
RMCA: 82.016-M-0020.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RBINS: 19903.
Scotophilus Leach, 1821:
MHNG: 1607.042, 1607.043, 1607.045, 1607.046, 1607.047, 1607.049, 1607.050, 1607.084.
Scotophilus dinganii (A. Smith, 1833):
MHNG: 1607.044, 1607.048, 1607.055, 1607.085, 1607.086, 1607.087, 1607.088, 1607.093, 1607.094, 1608.012. - **RBINS:** 19915.1, 19915.2. - **RMCA:** 35156, 82.016-M-0002, 82.016-M-0005, 82.016-M-0006, 82.016-M-0007, 82.016-M-0008, 82.016-M-0072, 82.016-M-0124.
Scotophilus nigrita (Schreber, 1774):
MHNG: 1607.052.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
SMF: 57544, 57545

SE 03029Cd:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 57560, 57561, 57562, 57563, 57564, 57565, 57566.
Epomophorus labiatus (Temminck, 1837):
MHNG: 1498.092. - **RMCA:** 81.012-M-0042. - **SMF:** 57503, 57504, 57505, 57506, 57507, 57508, 57513, 57514, 57515.
Glauconycteris argentata (Dobson, 1875):
MHNG: 1607.090, 1607.091.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
SMF: 57496, 57497.
Micropteropus pusillus (Peters, 1868):
SMF: 57493, 57494, 57495.
Myotis bocagii (Peters, 1870):
SMF: 57584.
Nycteris macrotis Dobson, 1876:
SMF: 57532, 57533.
Pipistrellus grandidieri (Dobson, 1876):
SMF: 57586, 57587.
Rhinolophus lobatus Peters, 1852:
SMF: 57523, 57524.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 17759, 17760, 17761. - **SMF:** 57525, 57526, 57527.

Scotophilus dinganii (A. Smith, 1833):
SMF: 57567, 57568, 57569

SE 03029Ba:

Hipposideros ruber (Noack, 1893):
FMNH: 137627, 137628.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
FMNH: 137476, 137619, 137620, 137621, 137622, 137623, 137624.
Otomops martiensseni (Matschie, 1897):
FMNH: 137633

SE 03029Da:

Neoromicia nana (Peters, 1852):
RMCA: 97.080-M-0232.
Pipistrellus Kaup, 1829:
MHNG: 1607.083.
Rhinolophus fumigatus Rüppell, 1842:
MHNG: 1895.047.
Scotophilus dinganii (A. Smith, 1833):
MHNG: 1608.008, 1608.009, 1608.010

SE 03029Dc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 26564.
Epomophorus labiatus (Temminck, 1837):
FMNH: 155941.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 155942.
Hipposideros ruber (Noack, 1893):
FMNH: 155973.
Myonycteris angolensis (Bocage, 1898):
FMNH: 148341, 148342, 148343, 148344, 148345, 148346, 148347, 148348, 155943, 155944, 155945, 155946, 155947, 155948, 155949, 155950, 155951, 155952, 155953, 155954, 155955, 155956, 155957, 155958, 155959, 155960, 155961, 155962, 155963, 155964, 155965, 155966, 155967, 155968.
Nycteris arge Thomas, 1903:
FMNH: 155972.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 148366.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 148338.
Stenonycteris lanosus (Thomas, 1906):
FMNH: 155969, 155970, 155971

SE 03029Bd:

Chaerephon Dobson, 1874:
MHNG: 1896.019, 1896.020.
Epomophorus labiatus (Temminck, 1837):
MHNG: 1498.053, 1498.073, 1498.074, 1499.059, 1499.060, 1499.061, 1499.062, 1499.078, 1499.079. - **SMF:** 57511.
Miniopterus fraterculus Thomas and Schwann, 1906:
FMNH: 148365, 148369, 148370, 148371, 148372, 148373.
Myonycteris angolensis (Bocage, 1898):
FMNH: 148364.
Nycteris hispida (Schreber, 1774):
MHNG: 1896.018.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 148368.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 148367.
Scotophilus Leach, 1821:
MHNG: 1607.053, 1607.054.
Scotophilus dinganii (A. Smith, 1833):
MHNG: 1607.092, 1608.013, 1608.014, 1608.015, 1608.016, 1608.017.
Scotophilus leucogaster (Cretzschmar, 1826):
MHNG: 1896.016, 1896.017

SE 03029Dd:

Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
SMF: 57554.
Neoromicia nana (Peters, 1852):
SMF: 57570, 57571

SE 03030Ac:

Rhinolophus hildebrandtii Peters, 1878:
RMCA: 79.010-M-0009

SE 03030Ca:

Hipposideros ruber (Noack, 1893):
MHNG: 1896.011.
Miniopterus fraterculus Thomas and Schwann, 1906:
MHNG: 1607.077, 1607.078, 1607.079, 1607.082, 1607.098.
Miniopterus inflatus inflatus Thomas, 1903:
MHNG: 1607.080, 1607.081, 1608.001, 1608.002.
Myotis bocagii (Peters, 1870):
MHNG: 1608.003.
Neoromicia nana (Peters, 1852):
MHNG: 1607.051, 1607.072.
Pipistrellus Kaup, 1829:
MHNG: 1607.099, 1607.100.
Rhinolophus fumigatus Rüppell, 1842:
MHNG: 1895.051.
Rhinolophus hildebrandtii Peters, 1878:
MHNG: 1895.043, 1895.045, 1895.083, 1895.084, 1895.085

SE 03030Cc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 79.010-M-0010

SE 03030Ad:

Neoromicia nana (Peters, 1852):
MHNG: 1607.074, 1607.075, 1607.076. - **RBINS:** 19912

SE 03030Ba:

Epomophorus labiatus (Temminck, 1837):
MHNG: 1499.064, 1499.065, 1499.066, 1499.067. - **RBINS:** 19900.01, 19900.02, 19900.03, 19900.04, 19900.05, 19900.06, 19900.07, 19900.08, 19900.09, 19900.10, 19900.11, 19900.12, 19900.13, 19900.14, 19900.15, 19900.16, 19900.17, 19900.18, 19900.19, 19900.20, 19900.21, 19900.22, 19900.23, 19900.24, 19900.25, 19900.26, 19900.27, 19900.28, 19900.29, 19900.30, 19900.31, 19900.32, 19900.33, 19900.34, 19900.35, 19902, 19902.2.
Epomophorus wahlbergi (Sundevall, 1846):
RBINS: 19928

SE 03030Db:

Hipposideros caffer (Sundevall, 1846):
ZMB: T09819.
Macronycteris vittatus (Peters, 1852):
ZMB: 86257, 86258, 86259, T09820

SE 03032Cb:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 182579

SE 03035Ad:

Epomophorus labiatus (Temminck, 1837):
SMF: 66941, 69212

SE 03035Cb:

Epomophorus labiatus (Temminck, 1837):
SMF: 11799

SE 03035Ba:

Pipistrellus hesperidus (Temminck, 1840):
TM: 9998, 9999

SE 03035Bc:

Epomophorus wahlbergi (Sundevall, 1846):
SMF: 66944

SE 03035Dc:

Cardioderma cor (Peters, 1872):
FMNH: 48673, 48674.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 11418, 11419, 11420, 11421, 11422, 11423, 11424, 11425, 11426, 11427.
Scotophilus viridis (Peters, 1852):
AMNH: 54264

SE 03035Bd:

Hipposideros ruber (Noack, 1893):
AMNH: 179290.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1939.248, 1975.909.
Rhinolophus hildebrandtii Peters, 1878:
AMNH: 161308

SE 03035Db:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1969.20.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 28166, 28170, 28171, 28172, 28173.
Neoromicia nana (Peters, 1852):
SMF: 70465.
Nycteris aurita (K. Andersen, 1912):
BMNH: 1938.4.21.6.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1938.4.21.4, 1938.4.21.5.
Tadarida ventralis (Heuglin, 1861):
HZM: 4.6207, 4.6208, 4.6209. - **SMF:** 45515.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
SMF: 69214, 70452, 70453, 70454

SE 03036Cc:

Cardioderma cor (Peters, 1872):
FMNH: 158010, 158011, 187220.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 187141.
Hipposideros ruber (Noack, 1893):
FMNH: 187140.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 187138.
Neoromicia Roberts, 1926:
FMNH: 187222, 187223, 187224, 187225, 187226.
Neoromicia capensis (A. Smith, 1829):
FMNH: 187143, 187221.
Neoromicia nana (Peters, 1852):
FMNH: 187144.
Neoromicia somalica (Thomas, 1901):
FMNH: 158013, 158014, 158015, 158016, 187142.
Nycteris hispida (Schreber, 1774):
FMNH: 187139.
Nycteris macrotis Dobson, 1876:
FMNH: 158017.
Scotoecus hindei Thomas, 1901:
FMNH: 158018, 158019, 158020, 158021, 187145, 187146, 187147, 187148, 187149, 187227, 187228.
Scotophilus Leach, 1821:
FMNH: 187229.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 158012, 187150

SE 03036Ba:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 86508, 86513. - **ZMZ:** 14343, 14344, 14345, 14346, 14348, 15545, 15588, 15589.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 69182, 69183, 69195, 69196.

Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 86591, 86592, 86593.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 25852, 25853, 25854, 25855, 25856, 25857, 25858

SE 03036Bc:

Chaerephon pumilus (Cretzschmar, 1826):
HNHM: 2000.53.1, 2000.53.2, 2000.53.3, 2000.53.4, 2000.53.5, 2000.53.6, 2005.70.10, 2005.70.11, 2005.70.12, 2005.70.13, 2005.70.14, 2005.70.15, 2005.70.16, 2005.70.6, 2005.70.7, 2005.70.8, 2005.70.9.
Epomophorus minor Dobson, 1880:
ROM: 69201.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 69198, 69199, 69200, 69203.
Miniopterus natalensis (A. Smith, 1833):
HNHM: 2687.36.
Neoromicia nana (Peters, 1852):
HNHM: 2687.55, 2687.56, 2687.57, 2687.58, 2687.59, 2687.60, 2687.61, 2687.62, 2720.9.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 19419, 25838.
Scotophilus dinganii (A. Smith, 1833):
ROM: 69197, 69202.
Scotophilus nigrita (Schreber, 1774):
HNHM: 2687.38

SE 03036Bb:

Miniopterus minor Peters, 1867:
FMNH: 208063.
Neoromicia Roberts, 1926:
FMNH: 208058, 208060, 208061.
Rhinolophus Lacépède, 1799:
FMNH: 208055

SE 03036Bd:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 86015, 86016, 86630, 86631, 86632, 86633, 86634, 86635, 86636, 86637, 86638, 86639, 86640, 86641, 86642, 86643, 86644, 86645, 86646, 86647, 86648, 86649, 86650, 86651, 86652, 86653, 86654, 86655, 86658, 86659, 86660, 86661, 86662. - **SMF:** 29028, 29029. - **ZMB:** T10499.
Epomophorus minor Dobson, 1880:
AMNH: 268458, 268459, 268460.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 179288. - **BMNH:** 1964.1316, 1964.1318, 1964.1319, 1964.1322, 1964.1323, 1964.1325. - **FMNH:** 86512. - **ROM:** 69186. - **ZFMK:** 1963.0153.
Glauconycteris argentata (Dobson, 1875):
ROM: 69191.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 86605, 86606, 86607, 86608, 86609, 86610, 86611, 86612.
Myotis bocagii (Peters, 1870):
ROM: 69184, 69189, 69190.
Neoromicia nana (Peters, 1852):
FMNH: 86590.
Neoromicia somalica (Thomas, 1901):
AMNH: 268462.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1388, 1969.22, 1969.23.
Rhinolophus hildebrandtii Peters, 1878:
AMNH: 268456, 268457.
Scotoecus hindei Thomas, 1901:
AMNH: 268461, 268463

SE 03037Aa:

Epomophorus wahlbergi (Sundevall, 1846):
SMNS: 4163, 4167.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1913-23

SE 03037Ac:

Epomophorus wahlbergi (Sundevall, 1846):
SMNS: 4519

SE 03037Ab:

Epomophorus wahlbergi (Sundevall, 1846):
USNM: 238035.
Glauconycteris poensis (Gray, 1842):
AMNH: 219772, 219773, 219774.
Miniopterus Bonaparte, 1837:
FMNH: 174170, 174171, 174172.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 174169.
Scotoecus hindei Thomas, 1901:
AMNH: 219757.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 219758, 219759, 219760, 219761, 219762, 219763, 219764, 219765, 219766, 219767

SE 03037Ad:

Chaerephon bemmeleni (Jentink, 1879):
BMNH: 1951.394.
Chaerephon pumilus (Cretzschmar, 1826):
SMF: 23750, 23751, 23752, 23753, 23754, 23755, 23756, 23757, 23758.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1894.2.6.1. - **ZMB:** 9968.
Neoromicia nana (Peters, 1852):
HNHM: 2720.8. - **ZMB:** 11408.
Rhinolophus Lacépède, 1799:
MNHN: ZM-MO-1905-191.
Scotophilus nigrita (Schreber, 1774):
HNHM: 60.256.2.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ROM: 77333

SE 03037Cb:

Epomophorus labiatus (Temminck, 1837):
FMNH: 86017, 86018, 86509, 86510.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 86019, 86511

SE 03037Bc:

Cardioderma cor (Peters, 1872):
USNM: 18994.
Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 60085, 60086.
Epomophorus wahlbergi (Sundevall, 1846):
CM: 102049, 102063, 102065. - **MCZ:** 21753, 21754.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
USNM: 18992, 18993/38197.
Myotis bocagii bocagii (Peters, 1870):
MCZ: 60088.
Neoromicia nana (Peters, 1852):
CM: 102216, 102217, 102218.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1910.7.2.19, 1910.7.2.20, 1910.7.2.21, 1910.7.2.22, 1910.7.2.23.
Scotophilus dinganii (A. Smith, 1833):
MCZ: 60092, 60093.
Scotophilus trujilloi Brooks and Bickham, 2014:
CM: 102241, 102242

SE 03037Da:

Epomophorus wahlbergi (Sundevall, 1846):
SMNS: 4161, 4162, 4164, 4165

SE 03037Dc:

Epomophorus wahlbergi (Sundevall, 1846):
SMNS: 17485, 5973, 5974, 5975, 5976, 5977, 5978, 5979. - **ZFMK:** 1960.0214, 1960.0215, 1960.0217, 1960.0223, 1960.0224, 1960.0225, 1960.0226.
Glauconycteris argentata (Dobson, 1875):
FMNH: 192676.
Neoromicia nana (Peters, 1852):
FMNH: 192683. - **ZFMK:** 1959.0159, 1959.0160, 1959.0359.

Nycteris aurita (K. Andersen, 1912):
ZFMK: 1960.0255, 1960.0256, 1960.0257, 1960.0258.
Nycteris macrotis Dobson, 1876:
ZFMK: 1959.0149, 1959.0150.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZFMK: 1960.0304.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 192531, 192532, 192533, 192677, 192678, 192679, 192680, 192681, 192682.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 192675

SE 04037Ba:

Nycteris aurita (K. Andersen, 1912):
ZFMK: 1959.0360

SE 03037Bd:

Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
WAM: M23798

SE 03037Db:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 589827, 589828, 589829, 589830, 589831.
Miniopterus Bonaparte, 1837:
MSU: MR.11559.
Scotophilus leucogaster (Cretzschmar, 1826):
MSU: MR.11560.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 153078, 153079, 153080, 153081, 153082, 153083, 153084, 153085. - **ROM:** 36271, 36272, 36273, 36274, 36275, 36276, 36277, 78099, 78100

SE 03038Aa:

Cardioderma cor (Peters, 1872):
RMCA: 2094.
Epomophorus minor Dobson, 1880:
RMCA: 2095b.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 2095a

SE 03038Ac:

Neoromicia somalica (Thomas, 1901):
AMNH: 114487.
Platymops setiger macmillani Thomas, 1906:
BMNH: 1959.524

SE 03038Ad:

Epomophorus wahlbergi (Sundevall, 1846):
SMNS: 2890. - **USNM:** 182653.
Myonycteris angolensis (Bocage, 1898):
USNM: 375887.
Neoromicia nana (Peters, 1852):
CM: 102219, 10706. - **MCZ:** 31867, 31868, 31869, 31870, 31871, 31872, 32060, 32061.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1879.1.21.2 Duplicate, 1879.1.21.3, 1900.10.6.3.
Pipistrellus hesperidus (Temminck, 1840):
CM: 102223, 102224, 102225, 102226.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MCZ: 60084

SE 03038Ba:

Neoromicia nana (Peters, 1852):
ZMB: 5261, 5270.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMB: 5259.
Platymops setiger (Peters, 1878):
ZMB: 5265.
Rhinolophus hildebrandtii Peters, 1878:
BMNH: 1879.1.21.1. - **ZMB:** 5267, 5378, 5379.

Rhinolophus lobatus Peters, 1852:
ZMB: 5266

SE 03038Bc:

Cardioderma cor (Peters, 1872):
CAS: 11923, 11924, 11925, 11926, 11927.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 114459, 114460, 114461, 114462, 114463, 114464, 114465, 114466, 114467, 114468, 114469, 114470, 114471, 114472, 114473, 114488, 114489, 114490, 114491, 114492, 114493, 114494, 114495, 114496, 114497, 114498, 114499, 114500. - **ROM:** 41833. - **SMF:** 19983, 19985. - **USNM:** 437024, 437025, 437026, 437027, 437028, 437029, 437030, 437031, 437032, 437033, 437034, 437035, 437036, 437037, 437038, 437039, 437040, 437041, 437042, 437043. - **ZMA:** MAM.20854.
Coleura afra (Peters, 1852):
USNM: 182654.
Hipposideros caffer (Sundevall, 1846):
AMNH: 114474, 114475, 114477, 114478, 114479. - **ROM:** 35315.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 437226, 437227, 437228, 437229, 437230, 437231, 437232, 437233, 437234.
Neoromicia helios (Heller, 1912):
ROM: 85743, 85744, 85745, 85762.
Neoromicia nana (Peters, 1852):
ROM: 41839. - **USNM:** 436698, 436699. - **ZMA:** MAM.20791, MAM.20792, MAM.20793, MAM.20794.
Nycteris aurita (K. Andersen, 1912):
AMNH: 114481. - **ZMUC:** 1705.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1910.6.2.30, 1910.6.2.31, 1910.6.2.32. - **MCZ:** 31841. - **USNM:** 350859.
Rhinolophus hildebrandtii Peters, 1878:
AMNH: 114480. - **MCZ:** 31840.
Rhinolophus lobatus Peters, 1852:
AMNH: 114476.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 114486

SE 03038Da:

Chaerephon bemmeleni (Jentink, 1879):
ROM: 68088, 68095, 68185, 71178, 71179, 71190, 71191, 71192, 71193, 71194, 71195, 71196, 71197, 71198, 71199, 71200, 71201, 71202, 71203, 71215, 71216, 71217, 71218.
Chaerephon bivittatus (Heuglin, 1861):
ROM: 71180, 71181, 71189, 71208, 71209, 71210, 71211, 71212, 71213, 71214, 71226.
Hipposideros caffer (Sundevall, 1846):
FMNH: 18415, 18416, 18417, 18418, 18419, 18420, 18421, 18422, 18423, 18424, 18425.
Miniopterus natalensis (A. Smith, 1833):
ROM: 71187.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 17213, 21243.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 71237, 71238, 71239, 71240, 71241.
Platymops setiger setiger (Peters, 1878):
ROM: 71220, 71221, 71222, 71223, 71224, 71225.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 71184.
Scotoecus hindei Thomas, 1901:
ROM: 71206, 71207, 71233, 71234, 71235, 71236.
Scotophilus dinganii (A. Smith, 1833):
ROM: 71229, 71230, 71231, 71232.
Tadarida lobata (Thomas, 1891):
ROM: 71172, 71173, 71174, 71188, 71219.
Tadarida ventralis (Heuglin, 1861):
ROM: 71204, 71205, 71227, 71228.
Triaenops afer Peters, 1877:
ROM: 71183

SE 03038Bd:

Neoromicia rendalli (Thomas, 1889):
SMF: 37547, 37552.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
SMF: 37516, 37517, 39415

SE 03038Db:

Chaerephon bivittatus (Heuglin, 1861):
ROM: 68097, 77513, 77514, 77515.

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 77518.
Miniopterus natalensis (A. Smith, 1833):
ROM: 77503.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 68101, 68629, 68630, 68631, 68632, 68633, 68634, 68635, 68636, 68637, 68638, 68639, 68640, 68641, 68642, 68643, 68644, 68645, 68646, 68647, 68648, 68649, 68650, 68651, 68652, 68653, 68654, 68655, 68656, 68657, 68658, 68659, 68660, 68661, 68662, 68679.
Nycteris aurita (K. Andersen, 1912):
BMNH: 1898.1.4.1.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 77509.
Scotophilus dinganii (A. Smith, 1833):
ROM: 68510.
Tadarida lobata (Thomas, 1891):
NHMZ: 65195. - **ROM:** 77522, 77523, 77524, 77525, 77526.
Tadarida ventralis (Heuglin, 1861):
ROM: 77529, 77530, 77531, 77532.
Taphozous nudiventris Cretzschmar, 1830:
ROM: 77516

SE 03039Ad:

Nycteris hispida (Schreber, 1774):
BRTC: 27849.
Platymops setiger (Peters, 1878):
SMF: 46558.
PTEROPODIDAE Gray, 1821:
MSU: MR.6158.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
UWBM: 36094, 36095, 36096, 36097, 36098, 36099, 36100, 36101

SE 03039Dc:

Cloeotis percivali Thomas, 1901:
BMNH: 1901.5.1.11.
Epomophorus wahlbergi (Sundevall, 1846):
MVZ: 174554.
Neoromicia helios (Heller, 1912):
MVZ: 174694.
Nycteris hispida (Schreber, 1774):
BMNH: 1910.9.22.6.
Nycteris macrotis Dobson, 1876:
BMNH: 1910.9.22.2, 1910.9.22.3, 1910.9.22.4, 1910.9.22.5. - **USNM:** 182656, 182657, 182658.
Taphozous hildegardeae Thomas, 1909:
BMNH: 1909.6.12.7

SE 03039Bd:

Chaerephon pumilus (Cretzschmar, 1826):
YPM: MAM 003088.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 152308, 152309, 152310. - **LACM:** 45636, 45637, 45638, 45639. - **WNMU:** 1310, 1352. - **ZMA:** MAM.20844, MAM.20845, MAM.20846, MAM.20847, MAM.20848.
Hipposideros caffer (Sundevall, 1846):
ROM: 38429, 38430.
Hipposideros megalotis (Heuglin, 1861):
USNM: 375923.
Hipposideros ruber (Noack, 1893):
USNM: 375913, 375922.
Macronycteris vittatus (Peters, 1852):
USNM: 375914. - **ZMA:** MAM.20764, MAM.20765, MAM.20766.
Mops (Mops) condylurus (A. Smith, 1833):
YPM: MAM 003089.
Myotis Kaup, 1829:
YPM: MAM 003448.
Neoromicia capensis (A. Smith, 1829):
FMNH: 152704. - **USNM:** 375916, 375917.
Neoromicia nana (Peters, 1852):
ZMA: MAM.20778, MAM.20779, MAM.20780, MAM.20781.
Neoromicia somalica (Thomas, 1901):
ZMA: MAM.20801.
Nycteris hispida (Schreber, 1774):
ZMA: MAM.20750.

Nycteris macrotis Dobson, 1876:
FMNH: 152465. - **USNM:** 375910.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 375920.
Rhinolophus deckenii Peters, 1868:
ZMA: MAM.20755, MAM.20756.
Rhinolophus eloquens K. Andersen, 1905:
USNM: 375911, 375912. - **YPM:** MAM 003090. - **ZMA:** MAM.20838.
Rousettus Gray, 1821:
YPM: MAM 003420, MAM 003421, MAM 011160.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.20889, MAM.20890, MAM.20891, MAM.20892, MAM.20893.
Scotoecus hindei Thomas, 1901:
ROM: 48696.
Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.20802.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 48688, 48689, 48690, 48691.
Scotophilus viridis (Peters, 1852):
AMNH: 219771. - **RMNH:** MAM.28653, MAM.28654, MAM.28655. - **ZMA:** MAM.20807, MAM.20808, MAM.20809.
Tadarida Rafinesque, 1814:
YPM: MAM 003441, MAM 003442, MAM 003443, MAM 003444.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
LACM: 51673, 51674.
Triaenops afer Peters, 1877:
ZMA: MAM.20770

SE 03039Db:

Cardioderma cor (Peters, 1872):
FMNH: 152518, 152520, 152521, 152522, 152523. - **ROM:** 36297, 36298, 36299, 36300, 36301, 36302, 36303, 36304, 36305, 38428. - **USNM:** 350878, 377051, 377052, 377053, 377054, 536109, 536112, 536113, 536114. - **WAM:** M16570, M21221. - **WNMU:** 1302.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 152915, 152916, 152917, 152918, 152919, 152920, 152921, 152922, 152923, 152924, 152925, 152926, 152927, 152928, 152929, 152930, 152931, 152932. - **ROM:** 36443, 36444, 36445, 36446, 36447, 36448, 36449, 36450, 36451, 36452, 36453, 36454, 36455, 36456, 36457, 36458, 36459, 36460, 36461, 38426, 38427, 76174, 76175, 76176. - **USNM:** 351116, 351117, 351118, 351119, 351120, 351164.
Cloeotis percivali Thomas, 1901:
BMNH: 1901.5.1.12.
Coleura afra (Peters, 1852):
ROM: 36249, 36250, 36251, 36252, 78077.
Epomophorus labiatus (Temminck, 1837):
ZMB: 53873, 53897.
Epomophorus wahlbergi (Sundevall, 1846):
CAS: 12549. - **FMNH:** 152301, 152302, 152304, 152305, 152306, 152307. - **LACM:** 51467, 51468, 51469, 51470, 51471, 51472, 51473. - **ROM:** 36225, 36227. - **USNM:** 350815. - **WAM:** M16571. - **WNMU:** 1713. - **ZMB:** 54364, 54366, 54367.
Hipposideros caffer (Sundevall, 1846):
ROM: 48692.
Hipposideros ruber (Noack, 1893):
FMNH: 152681.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ROM: 36295.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 153003. - **ROM:** 75986. - **WNMU:** 6176.
Neoromicia nana (Peters, 1852):
ROM: 78324. - **USNM:** 350984.
Nycteris G. Cuvier and E. Geoffroy, 1795:
YPM: MAM 003427, MAM 003428, MAM 003429, MAM 003430, MAM 003431, MAM 003432, MAM 003433, MAM 003434, MAM 003435, MAM 003436, MAM 003437, MAM 003438, MAM 003439, MAM 003440.
Nycteris aurita (K. Andersen, 1912):
BMNH: 1889.1.11.1. - **FMNH:** 152454. - **USNM:** 350862.
Nycteris hispida (Schreber, 1774):
ROM: 36287.
Nycteris macrotis Dobson, 1876:
BMNH: 1975.2432, 1975.2432_1, 1975.2432_2, 1975.2433, 1975.2437. - **FMNH:** 152457, 152458, 152459, 152466, 152467, 152468. - **ROM:** 36290, 36291, 36292, 36293, 36294, 73248, 73249, 73250, 78039, 91174. - **USNM:** 351213. - **WAM:** M16532.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1901.5.1.15, 1901.5.1.16, 1975.2440, 1975.2441, 1975.2441_1, 1975.2441_2, 1975.2441_3, 1975.2442, 1975.2443. - **FMNH:** 152469, 152470, 152471, 152472, 152473, 152474, 152475, 152476, 152477, 152478, 152479, 152480, 152481, 152482, 152483. - **ROM:** 35308, 36288, 36289, 73247, 73251, 73252, 73253, 73254, 78033, 81465, 91173. - **USNM:** 350855.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 36376.
Pipistrellus Kaup, 1829:

USNM: 351062, 351063, 351244.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
USNM: 350985, 350986.
Rhinolophus Lacépède, 1799:
ZMB: 10936.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 152537.
Rhinolophus deckenii Peters, 1868:
FMNH: 152536. - **ROM:** 83932.
Rhinolophus lobatus Peters, 1852:
ROM: 38406, 38407, 38408, 38409.
Rhinolophus simulator K. Andersen, 1904:
USNM: 351222.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 59259, 59260, 59261.
Scotoecus hirundo (de Winton, 1899):
FMNH: 152789.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1975.2609, 1975.2610. - **FMNH:** 152806, 152807.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 153069, 153070, 153071, 153072, 153073, 153074, 153075. - **LACM:** 51675, 51676, 51677, 51678, 51679. - **ROM:** 36262, 36263, 36264, 36265, 36266, 36267, 36268, 36269, 36270, 78075, 91160. - **USNM:** 350836. - **WAM:** M23801.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 38414, 38415, 38416, 38417, 38418, 38419, 38420, 38421, 38422, 38423, 38424, 38425, 73240, 73241.
Triaenops afer Peters, 1877:
FMNH: 152685. - **WNMU:** 6181

SE 03039Dd:

Coleura afra (Peters, 1852):
FMNH: 152425, 152426. - **ROM:** 66701, 66726, 66727, 66728, 66729, 66730, 66731, 66732, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747, 66749, 66750, 66751, 66752, 66754, 66755, 66756, 66757, 66758, 66759, 66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770, 66771, 66772, 66773, 66774, 66775, 66776, 66777, 66778, 66779, 66780, 66781, 66782, 66783, 66784, 66785, 66786, 66787, 66788, 66789, 66790, 66791, 66792, 66793, 66794, 66795, 66796, 66797, 66798, 66799, 66803, 66804, 73479, 73492, 73493, 73494, 73495, 73496, 73497. - **WNMU:** 6182.
Epomophorus labiatus (Temminck, 1837):
ROM: 66700, 66703, 66704, 66705, 66706, 66707, 66805, 66806, 66807. - **SMF:** 47648.
Epomophorus wahlbergi (Sundevall, 1846):
SMF: 67646.
Macronycteris vittatus (Peters, 1852):
ROM: 91168.
Rousettus Gray, 1821:
YPM: MAM 003422, MAM 003423, MAM 003424, MAM 003425, MAM 003426.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 152365, 152366, 152367, 152368, 152369, 152370, 152371, 152372, 152373, 152374, 152375, 152376. - **ROM:** 36211, 36212, 36213, 36214, 36215, 45917, 66702, 66708, 66709, 66710, 66711, 66712, 66713, 66714, 66715, 66716, 66717, 66718, 66719, 66720, 66721, 66722, 66723, 66724, 66725, 73480, 73481, 73482, 73483, 73484, 73485, 73486, 73487, 73488, 73489, 73490, 73491, 77962, 77963, 77964, 77965, 77966, 77967, 77968, 77969. - **TTU:** 8294. - **USNM:** 350795, 350796, 350797, 350798, 350799, 350800. - **WNMU:** 6179.
Taphozous hildegardeae Thomas, 1909:
FMNH: 153053, 153054, 153055, 153056, 153057, 153058, 153059, 153060, 153061, 153062, 153063, 153064. - **ROM:** 73478, 73510, 73511, 73512, 73513, 73514, 73515, 73516, 73517, 73518, 73519, 73520, 73521, 73522, 78060, 78061, 78062, 78063, 78064, 78065, 78066, 78067, 78071, 78072. - **USNM:** 350838, 350839, 350840, 350841, 350842, 350843, 350844, 350845

SE 03040Aa:

Cardioderma cor (Peters, 1872):
ROM: 73243, 73244, 73245.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 44244, 44245, 44246, 44248, 44249, 44250, 44251, 44252, 44253, 44254, 44255, 44256, 44257, 44258, 44259. - **USNM:** 301523, 522968.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 187270, 187271, 187272, 187273, 187274, 187275, 187276, 187277, 187278, 187279, 187280, 187281, 187282, 187283, 187284, 187285, 187286, 187287. - **BMNH:** 1901.5.1.1. - **CM:** 39924, 39925. - **USNM:** 301519.
Macronycteris vittatus (Peters, 1852):
USNM: 350937.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 44247.
Nycteris hispida (Schreber, 1774):
BMNH: 1910.4.20.2.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 36282

SE 03040Ac:

Cardioderma cor (Peters, 1872):
AMS: M.29939. - **ROM:** 79648. - **ZMA:** MAM.20815, MAM.20816, MAM.20817, MAM.20818, MAM.20819, MAM.20820.
Epomophorus wahlbergi (Sundevall, 1846):
HZM: 6.2489. - **ROM:** 79673. - **ZMA:** MAM.20824, MAM.20825, MAM.20826, MAM.20827, MAM.20828, MAM.20829, MAM.20830, MAM.20831, MAM.20832, MAM.20833, MAM.20834, MAM.20835, MAM.20836, MAM.20837.
Hipposideros ruber (Noack, 1893):
ROM: 79661.
Mops (Mops) condylurus (A. Smith, 1833):
WAM: M21242.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 79654. - **SMF:** 41817. - **ZMA:** MAM.20748, MAM.20749.
Rhinolophus deckenii Peters, 1868:
FMNH: 48827. - **WAM:** M16553.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 79670. - **ZMA:** MAM.20882, MAM.20883, MAM.20884, MAM.20885, MAM.20886, MAM.20887, MAM.20888.
Scotoecus hindei Thomas, 1901:
ZMA: MAM.20776.
Scotophilus viridis (Peters, 1852):
RMNH: MAM.28652.
Tadarida Rafinesque, 1814:
YPM: MAM 003450, MAM 003451, MAM 003452, MAM 003453, MAM 003454, MAM 003455, MAM 003456, MAM 003457

SE 04011Dd:

Epomophorus grandis (Sanborn, 1950):
ZMA: MAM.15535.
Epomophorus labiatus (Temminck, 1837):
ZMA: MAM.15667.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 120266. - **ZMA:** MAM.15541, MAM.15542, MAM.15543, MAM.15544, MAM.15545, MAM.15546, MAM.15547, MAM.15548, MAM.15549, MAM.15550, MAM.15666.
Epomops franqueti (Tomes, 1860):
ZMA: MAM.15641, MAM.15642.
Micropteropus pusillus (Peters, 1868):
AMNH: 120288, 120289, 120290. - **ZMA:** MAM.15851, MAM.15852, MAM.15853, MAM.15854, MAM.15855, MAM.15856, MAM.15857, MAM.15858, MAM.15859, MAM.15860, MAM.15861, MAM.15862, MAM.15863, MAM.15864, MAM.15865, MAM.15866, MAM.15867, MAM.15868, MAM.15869, MAM.15870, MAM.15871, MAM.15872, MAM.15873, MAM.15874, MAM.15875, MAM.15876, MAM.15877, MAM.15878, MAM.15879, MAM.15880, MAM.15881, MAM.15882, MAM.15883, MAM.15884, MAM.15888, MAM.15889, MAM.15890, MAM.15891, MAM.15892, MAM.15893, MAM.15894, MAM.15895, MAM.15896, MAM.15897, MAM.15898, MAM.15899, MAM.15900, MAM.15901, MAM.15902, MAM.15903, MAM.15904, MAM.15905, MAM.15906, MAM.15907, MAM.15908.
Myonycteris angolensis (Bocage, 1898):
ZMA: MAM.15537.
Myonycteris angolensis angolensis (Bocage, 1898):
ZMA: MAM.15536.
Myonycteris torquata (Dobson, 1878):
ZMA: MAM.15423.
Nycteris grandis Peters, 1865:
ZMA: MAM.15651, MAM.15652, MAM.15653, MAM.15654, MAM.15655, MAM.15656, MAM.15657.
Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.14663, MAM.15658, MAM.15659, MAM.15660, MAM.15661, MAM.15662, MAM.15663, MAM.15664, MAM.15665, MAM.15676, MAM.15677, MAM.15678, MAM.15679, MAM.15680, MAM.15681, MAM.15682, MAM.15683, MAM.15684, MAM.15685, MAM.15686, MAM.15687, MAM.15688.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.15648

SE 04012Aa:

Chaerephon Dobson, 1874:
ZMA: MAM.15701, MAM.15702, MAM.15705, MAM.15706, MAM.15707, MAM.15708, MAM.15710, MAM.15712.
Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.15703, MAM.15704, MAM.15709, MAM.15711

SE 04012Ab:

Casinycteris ophiodon (Pohle, 1943):
ZMA: MAM.19715.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1886-142, ZM-MO-1889-893.
Doryrhina cyclops (Temminck, 1853):
MNHN: ZM-MO-1883-33.
Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1962-2611, ZM-MO-1983-1188, ZM-MO-1983-1189.

Glauconycteris argentata (Dobson, 1875):
MNHN: ZM-MO-1892-1574.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1883-36, ZM-MO-1883-37, ZM-MO-1883-38, ZM-MO-1883-39, ZM-MO-1883-40.
Macronycteris gigas (Wagner, 1845):
MNHN: ZM-MO-1886-141.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-2006-181, ZM-MO-1975-1003, ZM-MO-1975-1004.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
MNHN: ZM-MO-1920-84 B, ZM-MO-1920-84 C, ZM-MO-1920-84 D, ZM-MO-1920-84 E, ZM-MO-1920-84 F.
Myonycteris torquata (Dobson, 1878):
MNHN: ZM-MO-1975-1105, ZM-MO-1985-557. - **UMNG:** 1-F-70-06-14, 2-F-70-03-08, 2-F-70-03-09, 3-F-70-03-08, 3-F-70-03-09, 3-F-70-06-10, 3-F-70-06-14.
Myotis bocagii (Peters, 1870):
MNHN: ZM-MO-1977-565.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1886-144, ZM-MO-1886-145, ZM-MO-1886-146, ZM-MO-1886-147 A, ZM-MO-1886-147 B, ZM-MO-1892-1576, ZM-MO-1892-1577, ZM-MO-1892-1578, ZM-MO-1892-1579 A, ZM-MO-1892-1579 B.
Neoromicia tenuipinnis (Peters, 1872):
MNHN: ZM-MO-1889-892, ZM-MO-1984-1390, ZM-MO-1984-1392.
Nycteris grandis Peters, 1865:
MNHN: ZM-MO-1984-1382, ZM-MO-1984-1383, ZM-MO-1984-1384, ZM-MO-1984-1385, ZM-MO-1984-1386.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1920-84 A, ZM-MO-1984-1395, ZM-MO-1984-1396, ZM-MO-1984-1397.
Nycteris macrotis Dobson, 1876:
MNHN: ZM-MO-1886-143.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1975-801, ZM-MO-1975-802.
Scotophilus dinganii (A. Smith, 1833):
MNHN: ZM-MO-1889-890, ZM-MO-1889-891

SE 04012Da:

Glauconycteris variegata (Tomes, 1861):
MNHN: ZM-MO-1884-749, ZM-MO-1884-750.
Hypsugo crassulus (Thomas, 1904):
MNHN: ZM-MO-1884-753.
Pipistrellus nanulus Thomas, 1904:
MNHN: ZM-MO-1984-753

SE 04012Dd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 33263, 33264, 33265, 33266, 33267, 33269, 33270, 33271, 33272, 33273, 33274, 33275, 33278.
Macronycteris vittatus (Peters, 1852):
RMCA: 33261.
Micropteropus pusillus (Peters, 1868):
AMNH: 86860, 86861. - **RMCA:** 33262.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 34195.
Myotis bocagii (Peters, 1870):
RMCA: 33277.
Neoromicia nana (Peters, 1852):
RMCA: 33276. - **ZMB:** 3975.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 33268

SE 04013Ac:

Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1985-1362, ZM-MO-1985-1363, ZM-MO-1985-1364.
Miniopterus minor Peters, 1867:
ZMA: MAM.19321, MAM.19322.
Myotis dieteri M. Happold, 2005:
MNHN: ZM-MO-1985-1925.
Nycteris macrotis Dobson, 1876:
MHNG: 1074.017, 1074.018. - **MNHN:** ZM-MO-1985-1197, ZM-MO-1987-1196.
Triaenops afer Peters, 1877:
MNHN: ZM-MO-1968-412, ZM-MO-1985-1348a, ZM-MO-1985-1348b, ZM-MO-1985-1349, ZM-MO-1985-1497

SE 04013Cc:

Hypsignathus monstrosus H. Allen, 1862:
RMCA: 6530. - **RMNH:** MAM.16346.

Miniopterus minor Peters, 1867:
INPBC: W1462

SE 04013Bb:

Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-MO-1975-793.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1975-794

SE 04014Cc:

Myonycteris angolensis (Bocage, 1898):
RMCA: 13701

SE 04014Da:

Neoromicia nana (Peters, 1852):
CM: 113934

SE 04014Bd:

Hipposideros ruber (Noack, 1893):
AMNH: 120305

SE 04015Ca:

Epomops franqueti (Tomes, 1860):
RMCA: 92.148-M-0002, 93.097-M-0022.
Hipposideros ruber (Noack, 1893):
RMCA: 89.057-M-0002.
Micropteropus pusillus (Peters, 1868):
RMCA: 89.057-M-0004, 92.119-M-0004, 92.148-M-0003, 93.097-M-0014.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 92.148-M-0004.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 89.057-M-0003.
Nycteris hispida (Schreber, 1774):
RMCA: 92.148-M-0001, 93.097-M-0023

SE 05015Aa:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 66.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 73.
Epomops franqueti (Tomes, 1860):
RMCA: 22716.
Micropteropus pusillus (Peters, 1868):
RMCA: 67.
Myotis bocagii (Peters, 1870):
RMCA: 65a, 68.
Neoromicia capensis (A. Smith, 1829):
RMCA: 90.012-M-0001.
Neoromicia nana (Peters, 1852):
RMCA: 90.012-M-0002.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 16495, 2668, 3432.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1884-751. - **RBINS:** 200b.
Nycticeinops schlieffenii (Peters, 1859):
RMCA: 65b

SE 04015Ab:

Epomops franqueti (Tomes, 1860):
MNHN: ZM-MO-1983-1001, ZM-MO-1983-1002, ZM-MO-1983-1003, ZM-MO-1983-1004, ZM-MO-1983-1005.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1983-1112, ZM-MO-1983-1113, ZM-MO-1998-1920, ZM-MO-1998-1921.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1983-1008.
Rhinolophus alcyone Temminck, 1853:
MNHN: ZM-MO-1985-495.
Rhinolophus fumigatus Rüppell, 1842:
MNHN: ZM-MO-1985-496.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1983-1006, ZM-MO-1983-1007

SE 04015Ad:

Chaerephon Dobson, 1874:
BMNH: 1904.6.25.1.
Chaerephon chapini J.A. Allen, 1917:
RBINS: 14536.
Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 120296, 120297, 120298, 120301, 120302, 120303, 120346, 120347, 120348, 120349, 120350, 120357.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1892-1253, ZM-MO-1892-1254, ZM-MO-1892-1255, ZM-MO-1892-1256, ZM-MO-1892-1257, ZM-MO-1892-1258, ZM-MO-1892-1259, ZM-MO-1911-1638, ZM-MO-1984-1190, ZM-MO-1984-1191, ZM-MO-1984-1192, ZM-MO-1984-1193, ZM-MO-1984-1194, ZM-MO-1984-1195, ZM-MO-1984-1200, ZM-MO-1984-1210, ZM-MO-1984-1211, ZM-MO-1984-1372, ZM-MO-1984-1373, ZM-MO-1984-1374, ZM-MO-1984-1375, ZM-MO-1984-1376, ZM-MO-1984-1377, ZM-MO-1984-1378, ZM-MO-1984-1379, ZM-MO-1984-1380, ZM-MO-1985-1383, ZM-MO-1998-1918. - **RMCA:** 1532a, 1532b, 1533a, 1533b, 1534, 1535, 16272, 17657, 17658, 17659, 17660, 18125, 18126, 18130, 20102, 21416, 21417, 21418a, 21418b, 21419, 21420, 31202, 32633, 32634, 32635, 32636, 32637, 32658. - **USNM:** 21668, 21669, 21670, 21671, 21672, 21673, 21674, 21675.
Doryrhina cyclops (Temminck, 1853):
RMCA: 31201.
Eidolon helvum (Kerr, 1792):
RBINS: 12271, 12771. - **RMCA:** 10262, 17356a, 17616a, 17797, 17955, 17956, 31127b. - **ZMA:** MAM.21145.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 120259, 120260.
Epomophorus labiatus (Temminck, 1837):
RMCA: 31127a.
Epomops franqueti (Tomes, 1860):
AMNH: 48712. - **FMNH:** 125133. - **HZM:** 26.7853, 27.7854, 33.7860, 8.7807. - **MNHN:** ZM-MO-1983-1227, ZM-MO-1983-1229, ZM-MO-1983-1230, ZM-MO-1983-1231, ZM-MO-1983-1232, ZM-MO-1983-1233. - **RMCA:** 1538f, 17336, 17356b, 17616b, 17798, 31190, 31191, 31192, 31193, 31194, 31195, 31196, 32589, 32590, 32591, 32592, 32593, 32594, 32595, 32596, 32597, 32598, 32599, 32600, 5381. - **ZMA:** MAM.11169, MAM.15643, MAM.15644, MAM.15645, MAM.15646, MAM.15647.
Hipposideros caffer (Sundevall, 1846):
USNM: 21663, 21664.
Hipposideros ruber (Noack, 1893):
AMNH: 49110. - **HZM:** 53.8025, 54.8026. - **RMCA:** 18127, 18128, 31128, 32631, 32632, 35917.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 32588.
Kerivoula phalaena Thomas, 1912:
MNHN: ZM-MO-1984-1393.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 18724.
Macronycteris gigas (Wagner, 1845):
MNHN: ZM-MO-1984-1381.
Macronycteris vittatus (Peters, 1852):
RMCA: 31200.
Micropteropus pusillus (Peters, 1868):
HZM: 10.7795, 11.7796, 12.7797, 13.7798, 14.7799, 15.7800, 16.7801, 17.7802, 18.7803, 19.7804, 20.7805, 21.7806, 22.7807, 23.7808, 24.7809, 25.7810, 26.7811, 27.7812, 28.7813, 29.7814, 30.7815, 31.7816, 32.7817, 33.7818, 34.7819, 35.7820, 36.7821, 37.7822, 7.7792, 8.7793, 9.7794. - **RMCA:** 1431, 1538b, 17656, 32612, 32613, 32614, 32615, 32616, 32617, 32618, 32619, 32620, 32621, 32622, 32623, 32783, 76.010-M-0002, 93.097-M-0004, 93.097-M-0005, 93.097-M-0006, 93.097-M-0007, 93.097-M-0008, 93.097-M-0009, 93.097-M-0010, 93.097-M-0011, 93.097-M-0012, 93.097-M-0013, 93.097-M-0015, 93.097-M-0016, 93.097-M-0017, 93.097-M-0018, 93.097-M-0019, 93.097-M-0020, 93.097-M-0021. - **ZMA:** MAM.11164, MAM.15885, MAM.15886, MAM.15887, MAM.15909, MAM.15910, MAM.15911, MAM.15912.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1985-494. - **RMCA:** 88.011-M-0029, 88.011-M-0030, 88.011-M-0031.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 119429, 120299, 120300, 120308, 120309, 120310, 120311, 120351, 120352, 120353, 120354, 120355, 120356, 120358, 49230, 49244. - **MNHN:** ZM-MO-1905-53. - **RMCA:** 32390, 32391, 32392, 32638, 32639, 32659, 88.011-M-0027. - **ZMA:** MAM.11165, MAM.11166.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
MNHN: ZM-MO-1984-1212.
Myonycteris angolensis (Bocage, 1898):
RMCA: 15760a.
Myonycteris torquata (Dobson, 1878):
RMCA: 31197, 31198, 31199, 32601, 32602, 32603, 32604, 32605, 32606, 32607, 32608, 32609, 32610, 32611, 76.010-M-0004. - **ZMA:** MAM.11163.
Myopterus whitleyi (Scharff, 1900):
RBINS: 7478.
Myotis bocagii (Peters, 1870):
RMCA: 17338.
Myotis bocagii bocagii (Peters, 1870):
AMNH: 48936. - **USNM:** 21665, 21666, 21667.

Neoromicia capensis (A. Smith, 1829):
RBINS: 14507.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-314, ZM-MO-1985-989. - **ZMA:** MAM.15649, MAM.15650.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 17661, 18809.
Nycteris G. Cuvier and E. Geoffroy, 1795:
MNHN: ZM-MO-1985-313.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1911-1557. - **RMCA:** 1536, 76.010-M-0003.
Nycteris macrotis Dobson, 1876:
HZM: 34.7846, 35.7847, 36.7848. - **MHNG:** 1074.016. - **MNHN:** ZM-MO-1984-1387. - **RMCA:** 18129, 18163, 20101.
Rousettinae Andersen, 1912:
RMCA: 76.010-M-0001.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1984-1268.
Scotophilus Leach, 1821:
MNHN: ZM-MO-1984-1394, ZM-MO-1985-1382.
Scotophilus dinganii (A. Smith, 1833):
MNHN: 140, 151, 158, 177, ZM-MO-1981-452, ZM-MO-1981-453, ZM-MO-1981-454, ZM-MO-1981-455, ZM-MO-1981-456, ZM-MO-1981-457. - **RMCA:** 32624, 32625, 32626, 32627, 32628, 32629, 32630. - **ZMA:** MAM.15689, MAM.15690, MAM.15691, MAM.15692, MAM.15693, MAM.15694, MAM.15695, MAM.15696, MAM.15697, MAM.15698, MAM.15699, MAM.15700.
Scotophilus nigrita (Schreber, 1774):
HNHM: 64.242.1.
Tadarida Rafinesque, 1814:
BMNH: 1904.6.25.2.
VESPERTILIONIDAE Gray, 1821:
RMCA: 18164

SE 04015Ba:

Epomophorus crypturus Peters, 1852:
RMCA: 80.038-M-0002.
Epomops franqueti (Tomes, 1860):
NMW: 25774. - **RMCA:** 80.038-M-0001.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-MO-1986-1059, ZM-MO-1986-1060, ZM-MO-1986-1061, ZM-MO-1986-299. - **RMCA:** 76.046-M-0001, 76.046-M-0002, 76.046-M-0003, 76.046-M-0004, 77.012-M-0003, 77.021-M-0011, 77.031-M-0002, 77.031-M-0003, 77.031-M-0004, 77.031-M-0005, 77.031-M-0006, 77.031-M-0007, 80.026-M-0002, 80.026-M-0003, 80.026-M-0004, 80.026-M-0005, 80.026-M-0006, 80.026-M-0007, 80.026-M-0008, 80.026-M-0009, 80.038-M-0003, 80.038-M-0004, 80.038-M-0005, 80.038-M-0006.
Myonycteris torquata (Dobson, 1878):
RMCA: 79.003-M-0001.
Rousettinae Andersen, 1912:
RMCA: 77.012-M-0009, 79.003-M-0002, 79.003-M-0003, 79.003-M-0004, 79.003-M-0005, 79.003-M-0006

SE 04015Bb:

Epomops franqueti (Tomes, 1860):
RMCA: 80.053-M-0002, 80.053-M-0003, 80.053-M-0004, 80.053-M-0005, 80.053-M-0006, 80.053-M-0007, 80.053-M-0008, 80.053-M-0009, 80.053-M-0010, 80.053-M-0011, 80.053-M-0012.
Micropteropus pusillus (Peters, 1868):
RMCA: 80.053-M-0001

SE 04016Cd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 18152, 18153, 18154, 18155, 18156, 18157, 18158, 18159.
Micropteropus pusillus (Peters, 1868):
RMCA: 18160.
Nycteris hispida (Schreber, 1774):
RMCA: 18161.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 18162

SE 04016Ba:

Micropteropus pusillus (Peters, 1868):
RMCA: 77.012-M-0002, 77.031-M-0008.
Rousettinae Andersen, 1912:
RMCA: 77.012-M-0008

SE 04016Db:

Micropteropus pusillus (Peters, 1868):

RMCA: 77.012-M-0007

SE 04017Bc:

Micropteropus pusillus (Peters, 1868):
RMCA: 77.012-M-0001, 77.012-M-0005, 77.012-M-0006, 77.031-M-0010, 77.031-M-0011.
Neoromicia nana (Peters, 1852):
RMCA: 77.012-M-0010

SE 04018Cc:

CHIROPTERA Blumenbach, 1779:
RMCA: 77.021-M-0019, 77.021-M-0020, 77.021-M-0021, 77.021-M-0022.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 77.021-M-0005, 77.021-M-0006, 77.021-M-0007, 77.021-M-0008.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 77.021-M-0009, 77.021-M-0010, 77.021-M-0012, 77.021-M-0013, 77.021-M-0014, 77.021-M-0016, 77.031-M-0001.
Micropteropus pusillus (Peters, 1868):
RMCA: 77.031-M-0012

SE 04018Dc:

Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 9988b, 9988c.
Myotis bocagii (Peters, 1870):
RMCA: 9987.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 9988a, 9989.
Nycteris hispida (Schreber, 1774):
RMCA: 9986.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 9990, 9991

SE 04018Db:

Macronycteris vittatus (Peters, 1852):
RMCA: 88.011-M-0012.
Mimetillus moloneyi (Thomas, 1891):
RMCA: 88.011-M-0023.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 88.011-M-0024, 88.011-M-0025.
Myotis Kaup, 1829:
RMCA: 88.011-M-0022.
Myotis bocagii (Peters, 1870):
RMCA: 88.011-M-0017.
Neoromicia nana (Peters, 1852):
RMCA: 88.011-M-0021.
Nycteris hispida (Schreber, 1774):
RMCA: 88.011-M-0014.
Pipistrellus nanulus Thomas, 1904:
RMCA: 88.011-M-0020

SE 04018Dd:

Chaerephon ansorgei (Thomas, 1913):
MSB: 274752, 274753, 274754, 274756, 274757, 274758, 274760, 274761, 274762, 274763, 274764, 274765, 274766, 274767, 274768, 274769, 274770, 274771, 274772, 274773, 274774, 274775, 274776, 274777, 274778, 274779, 274780. - **RMCA:** 97.021-M-0581, 97.021-M-0582, 97.021-M-0583, 97.021-M-0584, 97.021-M-0585, 97.021-M-0586, 97.021-M-0587, 97.021-M-0588, 97.021-M-0589, 97.021-M-0590, 97.021-M-0591, 97.021-M-0592, 97.021-M-0593, 97.021-M-0594, 97.021-M-0595, 97.021-M-0596, 97.021-M-0597, 97.021-M-0598, 97.021-M-0599, 97.021-M-0600, 97.021-M-0601, 97.021-M-0602, 97.021-M-0603, 97.021-M-0604, 97.021-M-0605, 97.021-M-0606, 97.021-M-0607, 97.021-M-0608, 97.021-M-0609, 97.021-M-0610, 97.021-M-1173.
Chaerephon pumilus (Cretzschmar, 1826):
MSB: 274858, 274859, 274860, 274861, 274863, 274864, 274865, 274866, 274867, 274869, 274870, 274871, 274872. - **RMCA:** 97.021-M-0688, 97.021-M-0689, 97.021-M-0690, 97.021-M-0691, 97.021-M-0692, 97.021-M-0693, 97.021-M-0694, 97.021-M-0695, 97.021-M-0718, 97.021-M-0719, 97.021-M-0720, 97.021-M-0721, 97.021-M-0722, 97.021-M-0723, 97.021-M-0724, 97.021-M-0725, 97.021-M-0726.
Epomops franqueti (Tomes, 1860):
MSB: 274829.
Megaloglossus woermanni Pagenstecher, 1885:
MSB: 274831, 274832, 274834, 274835, 274929, 274930. - **RMCA:** 97.021-M-0762, 97.021-M-0763, 97.021-M-0764, 97.021-M-0765, 97.021-M-0766, 97.021-M-0767, 97.021-M-0768, 97.021-M-0769, 97.021-M-0770, 97.021-M-0771.
Micropteropus pusillus (Peters, 1868):
MSB: 274943, 274944, 274945, 274946, 274947, 274948, 274949, 274951, 274952, 274953, 274954, 274955, 274956, 274957, 274958, 274959, 274960, 274961, 274962, 274964, 274965, 274966, 274967, 274968, 274969, 274970, 274971,

274972, 274973, 274974. - **RMCA:** 97.021-M-0773, 97.021-M-0774, 97.021-M-0775, 97.021-M-0776, 97.021-M-0777, 97.021-M-0778, 97.021-M-0779, 97.021-M-0780, 97.021-M-0781, 97.021-M-0782, 97.021-M-0783, 97.021-M-0784, 97.021-M-0785, 97.021-M-0786, 97.021-M-0787, 97.021-M-0788, 97.021-M-0789, 97.021-M-0790, 97.021-M-0791, 97.021-M-0792, 97.021-M-0793, 97.021-M-0794, 97.021-M-0795, 97.021-M-0796, 97.021-M-0797, 97.021-M-0798, 97.021-M-0799, 97.021-M-0800, 97.021-M-0801, 97.021-M-0802, 97.021-M-0803, 97.021-M-0804, 97.021-M-0849.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 97.021-M-0816.
Myopterus whitleyi (Scharff, 1900):
RMCA: 97.021-M-0825.
Neoromicia tenuipinnis (Peters, 1872):
MSB: 274830.
Scotophilus dinganii (A. Smith, 1833):
MSB: 274922, 274923, 274924, 274925. - **RMCA:** 97.021-M-0843, 97.021-M-0844, 97.021-M-0845, 97.021-M-0846

SE 05018Bb:

Chaerephon ansorgei (Thomas, 1913):
RMCA: 97.021-M-0580, 97.021-M-0611.
Chaerephon pumilus (Cretzschmar, 1826):
MSB: 274827.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 97.021-M-0760, 97.021-M-0761.
Micropteropus pusillus (Peters, 1868):
RMCA: 97.021-M-0772.
Myotis bocagii (Peters, 1870):
MSB: 274917, 274918. - **RMCA:** 97.021-M-0826, 97.021-M-0827, 97.021-M-0828.
Neoromicia nana (Peters, 1852):
RMCA: 97.021-M-0838.
Scotophilus dinganii (A. Smith, 1833):
MSB: 274988, 274989. - **RMCA:** 97.021-M-0841, 97.021-M-0842

SE 04020Ad:

Neoromicia nana (Peters, 1852):
RMCA: 6644, 6645

SE 04021Dc:

Epomops franqueti (Tomes, 1860):
RMCA: 79.022-M-0003, 80.013-M-0011.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 79.022-M-0007.
Nycteris hispida (Schreber, 1774):
RMCA: 11550.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 11549

SE 04021Dd:

Epomops franqueti (Tomes, 1860):
RMCA: 79.022-M-0004.
Hipposideros ruber (Noack, 1893):
RMCA: 79.022-M-0008

SE 04022Cc:

Epomops franqueti (Tomes, 1860):
RMCA: 80.013-M-0007, 80.013-M-0010.
Micropteropus pusillus (Peters, 1868):
RMCA: 79.022-M-0001, 80.013-M-0004, 80.013-M-0005.
Myonycteris torquata (Dobson, 1878):
RMCA: 80.020-M-0005

SE 04022Db:

Neoromicia tenuipinnis (Peters, 1872):
RMCA: 79.019-M-0001

SE 04023Cd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 3435, 3436.
Eidolon helvum (Kerr, 1792):
RMCA: 6307, 6308.
Epomops franqueti (Tomes, 1860):

BMNH: 1917.1.21.2.
Glauconycteris argentata (Dobson, 1875):
RMCA: 12060.
Neoromicia nana (Peters, 1852):
RMCA: 7334, 7335, 7336, 7337, 7338, 7339, 7340, 7631.
Rhinolophus lobatus Peters, 1852:
MHNG: 1047.080.
Saccolaimus peli (Temminck, 1853):
BMNH: 1916.5.15.5.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 6312, 7333

SE 04026Aa:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 16247

SE 04026Bc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 16201, 29166, 29308.
Hipposideros caffer (Sundevall, 1846):
RBINS: 6281.01.
Hipposideros ruber (Noack, 1893):
RMCA: 29201, 29205.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 31106.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 29165, 29167, 29168.
Nycteris macrotis Dobson, 1876:
RMCA: 29164.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
RMCA: 29209

SE 04026Da:

Casinycteris argynnis Thomas, 1910:
RMNH: MAM.24894.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 29206

SE 04026Bd:

Hipposideros ruber (Noack, 1893):
RMCA: 29200, 29202, 29203, 29204

SE 04027Ca:

Hipposideros ruber (Noack, 1893):
RMCA: 22730, 22731, 22732, 22733, 22734, 22735, 29199.
Macronycteris vittatus (Peters, 1852):
RMCA: 28864.
Rhinolophus lobatus Peters, 1852:
RMCA: 22724, 22725, 22726, 22727, 22728, 22729, 29207, 29208

SE 04028Ba:

Cardioderma cor (Peters, 1872):
TM: 13552.
Myonycteris angolensis (Bocage, 1898):
RMCA: 26706

SE 04028Da:

Epomophorus crypturus Peters, 1852:
RMCA: 22355

SE 04029Aa:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1853.1, 1953.1, 1953.2, 1953.3, 1953.4. - **RBINS:** 9061.1, 9061.2, 9061.3, 9061.4.
Hypsignathus monstrosus H. Allen, 1862:
ZMB: 67118.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
CAS: 12487, 12526

SE 04029Cc:

Hipposideros ruber (Noack, 1893):
FMNH: 195085.
Hypsugo cf. eisentrauti Hill, 1968:
FMNH: 195086.
Myonycteris angolensis (Bocage, 1898):
FMNH: 195081.
Rhinolophus willardi Kerbis Peterhans and Fahr, 2013:
FMNH: 195082, 195083, 195084

SE 04029Ba:

Macronycteris vittatus (Peters, 1852):
RMCA: 82.016-M-0068.
Myonycteris angolensis (Bocage, 1898):
FMNH: 148349. - **RMCA:** 82.016-M-0069.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 148339, 148340

SE 04029Bc:

Epomophorus labiatus (Temminck, 1837):
MHNG: 1498.076.
Hipposideros ruber (Noack, 1893):
MHNG: 1895.091, 1895.092, 1895.093, 1895.094, 1895.095, 1895.096, 1895.097, 1895.098, 1895.099, 1895.100, 1896.001, 1896.002, 1896.003, 1896.004, 1896.005, 1896.006, 1896.007, 1896.008, 1896.009, 1896.010. - **RMCA:** 28455, 28456, 28457, 28458. - **SMF:** 57576, 57577, 57578.
Neoromicia nana (Peters, 1852):
RMCA: 12044.
Pipistrellus Kaup, 1829:
USNM: 237232.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
SMF: 57528, 57529.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 90.008-M-0001

SE 04029Da:

Nycteris intermedia Aellen, 1959:
BMNH: 1973.114

SE 04029Dc:

Chaerephon pumilus (Cretzschmar, 1826):
BMNH: 1961.52. - **FMNH:** 86657. - **ZMB:** 10097, 10098.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1976.283. - **MCZ:** 26707. - **ZMB:** 10099, 10100.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 26694, 26695.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 42734. - **MCZ:** 26708, 26710, 26711, 26712, 26714, 26715, 26716, 26717, 26719, 26720, 26721, 26723.
Myotis welwitschii (Gray, 1866):
ROM: 91210.
Neoromicia tenuipinnis (Peters, 1872):
ZMB: 10096.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MCZ: 26718, 26722

SE 04029Bb:

Epomophorus labiatus (Temminck, 1837):
MHNG: 1498.077, 1498.078, 1498.079, 1498.080, 1498.081, 1499.030, 1499.031, 1499.074.
Neoromicia capensis (A. Smith, 1829):
MHNG: 1607.097.
Rhinolophus hildebrandtii Peters, 1878:
MHNG: 1895.046, 1895.081, 1895.082

SE 04030Aa:

Hipposideros caffer (Sundevall, 1846):
MCZ: 22374

SE 04033Ac:

Epomophorus labiatus (Temminck, 1837):
ROM: 40338.
Epomophorus minor Dobson, 1880:
LACM: 31759, 40338

SE 04034Aa:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 67838.
Mops (Mops) condylurus (A. Smith, 1833):
ZMB: T09623

SE 04034Ba:

Cardioderma cor (Peters, 1872):
MCZ: 22780

SE 04034Bb:

Chaerephon pumilus (Cretzschmar, 1826):
ZMB: 3150

SE 04035Cc:

Nycteris macrotis Dobson, 1876:
FMNH: 42732, 42733. - **MCZ:** 25724, 25725, 25726, 25727, 25729, 28112, 28113, 28114, 28115, 28116, 28117, 28118, 28119, 28120, 28121, 28123, 28124, 28125.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 28126, 28127, 28128, 28129, 28130, 28131, 28132, 28133, 28134, 28135.
Rhinolophus hildebrandtii Peters, 1878:
MCZ: 25728.
Rhinolophus lobatus Peters, 1852:
MCZ: 28136, 28137.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MCZ: 25721

SE 04035Dd:

Hipposideros ruber (Noack, 1893):
MNHN: ZM-MO-1883-408, ZM-MO-1883-409, ZM-MO-1883-410.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMB: 49708.
Scotoecus hindei Thomas, 1901:
MNHN: ZM-MO-1885-178.
Scotophilus dinganii (A. Smith, 1833):
ZMB: 49709

SE 04037Ba:

Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 54420.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 67843.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMNS: 5930

SE 04037Bd:

Myonycteris angolensis (Bocage, 1898):
FMNH: 153845, 153925.
Rhinolophus Lacépède, 1799:
FMNH: 153848, 153849

SE 04038Aa:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
MSU: MR.15609

SE 04038Ac:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 151182, 151183, 151184, 151414, 151415.

Glauconycteris argentata (Dobson, 1875):
FMNH: 151197, 151198, 151199, 151429, 151430.
Hipposideros caffer (Sundevall, 1846):
FMNH: 151427.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 151208, 151209, 151458.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 151463.
Myonycteris angolensis (Bocage, 1898):
FMNH: 151160, 151161, 151162, 151163, 151164, 151165, 151166, 151167, 151168, 151169, 151170, 151389, 151390, 151391, 151392, 151393, 151394, 151395, 151396, 151397, 151398, 151399, 151400, 151401, 151402, 151403.
Myotis bocagii (Peters, 1870):
FMNH: 151200.
Neoromicia nana (Peters, 1852):
FMNH: 151201, 151202, 151437, 151438, 151439, 151440, 151441, 151442, 151443, 151444, 151445, 151446, 151447, 151448, 151449, 151450.
Nycteris grandis Peters, 1865:
FMNH: 151186, 151187, 151188, 151189, 151190, 151417.
Nycteris hispida (Schreber, 1774):
FMNH: 151191.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 151193, 151194, 151423, 151424, 151425.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 151195, 151426.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 151196.
Scotoecus hindei Thomas, 1901:
FMNH: 151203, 151205, 151451, 151452.
Scotoecus hirundo (de Winton, 1899):
FMNH: 151204.
Stenonycteris lanosus (Thomas, 1906):
FMNH: 151171, 151172, 151173, 151174, 151175, 151176, 151177, 151178, 151405, 151406, 151407, 151408, 151409, 151410, 151411, 151412

SE 04038Ca:

Pipistrellus hesperidus (Temminck, 1840):
YPM: MAM 003464

SE 04038Cb:

Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 5597.
Macronycteris vittatus (Peters, 1852):
ZMB: 5595, 67770.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ZMB: 5553

SE 04038Cd:

Epomophorus Bennett, 1836:
FMNH: 182496, 182497, 182498, 182499, 182500, 182503, 182504.
Laephotis wintoni Thomas, 1901:
SMF: 66961.
Nycteris hispida (Schreber, 1774):
ROM: 73236.
Rhinolophus maendeleo Kock, Csorba and Howell, 2000:
SMF: 66960

SE 04038Dc:

Cardioderma cor (Peters, 1872):
MNHN: ZM-MO-1895-398, ZM-MO-1897-1519, ZM-MO-1897-1520, ZM-MO-1897-1521, ZM-MO-1897-1522, ZM-MO-1897-1523.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1897-1534, ZM-MO-1897-1535, ZM-MO-1897-1536, ZM-MO-1897-1537, ZM-MO-1897-1538.
Doryrhina cyclops (Temminck, 1853):
FMNH: 153929.
Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-MO-1897-1509.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 182548. - **MNHN:** ZM-MO-1897-1510. - **SMF:** 59544.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1895-396, ZM-MO-1895-397, ZM-MO-1897-1514, ZM-MO-1897-1515, ZM-MO-1897-1516, ZM-MO-1897-1517.

Hipposideros ruber (Noack, 1893):
FMNH: 163388.
Kerivoula argentata Tomes, 1861:
SMF: 85520.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1895-399, ZM-MO-1897-1518.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-1895-394, ZM-MO-1895-395, ZM-MO-1897-1512, ZM-MO-1897-1513.
Mimetillus moloneyi (Thomas, 1891):
MNHN: ZM-MO-1897-1531.
Myonycteris angolensis (Bocage, 1898):
FMNH: 163377.
Myotis bocagii (Peters, 1870):
SMF: 85528, 93357, 93358, 93359.
Neoromicia nana (Peters, 1852):
ZMUC: 4089, 4090, 4091.
Nycteris G. Cuvier and E. Geoffroy, 1795:
MNHN: ZM-MO-1897-1524.
Nycteris macrotis Dobson, 1876:
MNHN: ZM-MO-1897-1526, ZM-MO-1897-1527, ZM-MO-1897-1528, ZM-MO-1897-1529, ZM-MO-1897-1530 A, ZM-MO-1897-1530 B.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 153926. - **MNHN:** ZM-MO-1897-1525.
Otomops martiensseni (Matschie, 1897):
FMNH: 182529.
Pipistrellus grandidieri (Dobson, 1876):
SMF: 85521, 85522, 85523, 85524, 92489.
Pipistrellus hesperidus (Temminck, 1840):
ZMUC: 4087, 4088, 4092, 4093, 4095, 4097, 4098, 4099.
Rhinolophus Lacépède, 1799:
FMNH: 163382.
Rhinolophus clivosus Cretzschmar, 1828:
SMF: 92505.
Rhinolophus deckenii Peters, 1868:
FMNH: 153850, 153927.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 153852.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 153851.
Rhinolophus simulator K. Andersen, 1904:
FMNH: 163385.
Rousettus Gray, 1821:
FMNH: 182574, 182575.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1895-390, ZM-MO-1895-391, ZM-MO-1895-392, ZM-MO-1895-393, ZM-MO-1897-1511A, ZM-MO-1897-1511B.
Tadarida Rafinesque, 1814:
FMNH: 182576

SE 05038Ba:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 150042, 150046, 150047.
Glauconycteris argentata (Dobson, 1875):
FMNH: 150074.
Neoromicia nana (Peters, 1852):
FMNH: 150079.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 150067.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 150414.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 150053.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 150086

SE 04038Dd:

Hipposideros caffer (Sundevall, 1846):
FMNH: 163386.
Hipposideros ruber (Noack, 1893):
FMNH: 163387.
Kerivoula argentata Tomes, 1861:
SMF: 83514.

Myonycteris relicta Bergmans, 1980:
FMNH: 163391.
Myotis bocagii (Peters, 1870):
SMF: 82489, 86388, 93355.
Neoromicia Roberts, 1926:
FMNH: 163389.
Neoromicia rendalli (Thomas, 1889):
SMF: 86690.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 163378, 163392, 163393, 163394, 163395.
Otomops martiensseni (Matschie, 1897):
FMNH: 163390.
Pipistrellus grandidieri (Dobson, 1876):
SMF: 83513, 86385, 88508, 91247, 91248.
Rhinolophus Lacépède, 1799:
FMNH: 163380, 163381, 163397.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 163396.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 163379. - **SMF:** 83507, 85534, 88507, 91246.
Rhinolophus simulator K. Andersen, 1904:
FMNH: 163383, 163384

SE 04039Ac:

Nycteris macrotis Dobson, 1876:
ROM: 59190.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 59185, 59186, 59187, 59188, 59189.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 59192

SE 04039Cc:

Neoromicia somalica (Thomas, 1901):
SMF: 79582

SE 04039Ab:

Cardioderma cor (Peters, 1872):
ZMA: MAM.20821.
Chaerephon Dobson, 1874:
ZMA: MAM.20851, MAM.20852.
Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.20849, MAM.20850, MAM.20853.
Coleura afra (Peters, 1852):
CUMV: 13657, 13658.
Epomophorus labiatus (Temminck, 1837):
CUMV: 13591, 13592, 14571, 14572, 14573, 14584, 14585, 14586.
Epomophorus wahlbergi (Sundevall, 1846):
CM: 102046, 97822. - **CUMV:** 13590, 13593, 13766, 21178. - **LACM:** 37881, 37882, 37883, 45629. - **MCZ:** 59866, 59867. - **MWSU:** 7493. - **RMCA:** 35253, 35254, 35255, 35256, 35257, 35258, 35259, 35260, 35261, 35262. - **RMNH:** MAM.27100, MAM.27101, MAM.27103, MAM.27104, MAM.27107, MAM.27108, MAM.27109, MAM.32064, MAM.32065. - **ROM:** 36698, 41785, 41786, 41787, 41788, 41789, 41791, 41792, 41793, 41794, 41796, 41797, 76552, 85742. - **ZMA:** MAM.20869, MAM.20870, MAM.20871, MAM.20872, MAM.20873, MAM.20874, MAM.20875, MAM.20876, MAM.20877, MAM.20878, MAM.20879, MAM.20880, MAM.21709, MAM.21710, MAM.21711.
Hipposideros Gray, 1831:
ZMA: MAM.21696.
Hipposideros caffer (Sundevall, 1846):
ROM: 74489, 74490, 74491, 74503, 74504, 74512, 74535. - **TTU:** 33199.
Hipposideros ruber (Noack, 1893):
ZMA: MAM.20843, MAM.21658.
Hypsugo eisentrauti (Hill, 1968):
ROM: 76559.
Macronycteris vittatus (Peters, 1852):
CUMV: 13718. - **ROM:** 74540, 74541, 79668.
Mimetillus moloneyi (Thomas, 1891):
CUMV: 13743. - **ROM:** 74492.
Miniopterus minor Peters, 1867:
ROM: 59196, 76557.
Myonycteris relicta Bergmans, 1980:
ROM: 74542, 79669.
Neoromicia helios (Heller, 1912):
ROM: 76551.

Neoromicia nana (Peters, 1852):
CUMV: 13594, 13725.
Neoromicia rendalli (Thomas, 1889):
ROM: 59204, 76540, 76541, 76547, 76548, 76549, 76550, 76558.
Neoromicia somalica (Thomas, 1901):
CM: 97978.
Neoromicia tenuipinnis (Peters, 1872):
CUMV: 13720, 14648, 14649, 14651, 14652.
Nycteris grandis Peters, 1865:
ROM: 74527.
Nycteris hispida (Schreber, 1774):
CUMV: 13595. - **KU:** 150741. - **RMNH:** MAM.27128.
Nycteris macrotis Dobson, 1876:
RMNH: MAM.SMEENK81. - **ZMA:** MAM.20751, MAM.20752.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1975.908, 1978.950. - **RMCA:** 35267. - **ROM:** 36697, 74536, 74537, 76562, 76563, 76564, 76565, 76566, 76567, 76572, 79651, 79652, 79653, 79655, 79656, 85764.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 74511.
Pipistrellus grandidieri (Dobson, 1876):
CM: 98006.
Pipistrellus hesperidus (Temminck, 1840):
ZMA: MAM.20787.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 76534, 76542, 76560, 81364, 81365. - **ZMA:** MAM.20839, MAM.20840, MAM.20841, MAM.20842.
Rhinolophus fumigatus Rüppell, 1842:
CUMV: 13746. - **MCZ:** 59877.
Rhinolophus lobatus Peters, 1852:
CUMV: 14587.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 35250, 35251, 35252. - **ROM:** 79671, 85736, 85737, 85738, 85739, 85740, 85741. - **ZMA:** MAM.21698, MAM.21699.
Scotoecus albofuscus (Thomas, 1890):
ROM: 59205, 59206, 59207, 59208, 74510, 74514, 74516, 74517, 74518, 74519, 74522, 74524, 74526.
Scotoecus hirundo (de Winton, 1899):
CUMV: 13736. - **ROM:** 74520.
Scotophilus dinganii (A. Smith, 1833):
RMNH: MAM.27160, MAM.27161, MAM.27162, MAM.27163, MAM.27164, MAM.27165, MAM.27166, MAM.27168, MAM.27171, MAM.27175, MAM.27176, MAM.27178, MAM.28645, MAM.28660, MAM.28661, MAM.28662, MAM.28663. - **ROM:** 59198, 59199, 59201, 76528, 76529, 76537, 76545, 76553. - **ZMA:** MAM.20805, MAM.20806, MAM.21656.
Scotophilus leucogaster (Cretzschmar, 1826):
CUMV: 13733, 13734, 13744, 13745, 14632, 14637, 14644, 14646, 14647, 14650. - **ROM:** 74500, 74501, 74502, 74505, 74506, 74507, 74508, 74509, 74513, 74515, 74521, 74523, 74525, 74538, 74539.
Scotophilus nigrita (Schreber, 1774):
CUMV: 13722. - **RMNH:** MAM.27155, MAM.27156. - **ROM:** 76539, 76554.
Scotophilus viridis (Peters, 1852):
RMNH: MAM.27157, MAM.27158, MAM.27159, MAM.27167, MAM.27169, MAM.27170, MAM.27172, MAM.27173, MAM.27174, MAM.27177, MAM.28646, MAM.28647, MAM.28648, MAM.28649, MAM.28650, MAM.28651, MAM.28659, MAM.28664, MAM.28665, MAM.28666. - **ROM:** 59200, 59202, 76535, 76536, 76538, 76546, 76555, 76556, 76568, 76569, 76570, 76571. - **ZMA:** MAM.20814.
Taphozous hildegardeae Thomas, 1909:
ROM: 74494, 74495, 74496, 74497, 74498, 74499.
Triaenops afer Peters, 1877:
CUMV: 13726, 13747, 14653, 14654. - **MCZ:** 59879. - **ROM:** 76530, 76531, 76532, 76533, 76543, 76544, 76561. - **ZMA:** MAM.21657

SE 04039Ad:

Doryrhina cyclops (Temminck, 1853):
ZMA: MAM.23457.
Epomophorus wahlbergi (Sundevall, 1846):
CUMV: 13767, 13768, 13769, 13770. - **LACM:** 37870, 37871, 37873, 37874, 37875, 37876, 37877, 37878, 37879, 37880, 40157, 40158, 40159, 40160, 40161, 40162, 40163, 40164, 40165. - **ZMA:** MAM.20855, MAM.20856, MAM.20857, MAM.20858, MAM.20859, MAM.20860, MAM.20861, MAM.20862, MAM.20863, MAM.23466.
Hipposideros caffer (Sundevall, 1846):
CUMV: 13597. - **MCZ:** 59878.
Hypsugo eisentrauti (Hill, 1968):
AMNH: 257123. - **CM:** 102213, 102214, 98016, 98017, 98018, 98019.
Macronycteris vittatus (Peters, 1852):
ZMA: MAM.20767.
Myonycteris relicta Bergmans, 1980:
MCZ: 59868.
Neoromicia nana (Peters, 1852):
ZMA: MAM.20782, MAM.20783, MAM.20784, MAM.20785.
Neoromicia rendalli (Thomas, 1889):
CUMV: 13721.

Neoromicia somalica (Thomas, 1901):
CM: 97979.
Nycteris hispida (Schreber, 1774):
CUMV: 13596.
Pipistrellus inexspectatus Aellen, 1959:
MCZ: 59769, 59770, 59771, 59772, 59773, 59774, 59775, 59776, 59777, 59885, 59886.
Rhinolophus deckenii Peters, 1868:
CUMV: 13719. - **ZMA:** MAM.20763.
Rhinolophus fumigatus Rüppell, 1842:
CUMV: 13729, 13730.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MCZ: 59760, 59869. - **ZMA:** MAM.20894.
Scotophilus andrewreborii Brooks and Bickham, 2014:
CM: 98042.
Scotophilus leucogaster (Cretzschmar, 1826):
CUMV: 13735, 14633, 14634, 14635, 14636, 14638, 14639, 14640, 14641, 14642, 14643, 14645.
Scotophilus trujilloi Brooks and Bickham, 2014:
CM: 102240.
Triaenops afer Peters, 1877:
CUMV: 14655

SE 04039Cb:

Cardioderma cor (Peters, 1872):
ROM: 38404, 38405, 78022. - **USNM:** 350875, 536105, 536106.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 152303. - **USNM:** 350814.
Hipposideros caffer (Sundevall, 1846):
ROM: 46947, 46948, 46949, 46950, 74488.
Macronycteris gigas (Wagner, 1845):
ZMA: MAM.19836, MAM.19837.
Macronycteris vittatus (Peters, 1852):
AMNH: 217019, 217020, 237331, 237332, 237333. - **FMNH:** 152624, 152625, 152626, 152627, 152628, 152629, 152630, 152631, 152632. - **RMCA:** 38544, 38545. - **ROM:** 38393, 38394, 38395, 38396, 38397, 38398, 38399, 38400, 40208, 41779, 41780, 45911, 46965, 46966, 46967, 46968, 46969, 46970, 46971, 46972, 46973, 46974. - **USNM:** 350931, 350932, 350933, 350934, 350935, 350936. - **WAM:** M16573. - **WNMU:** 375.
Miniopterus minor Peters, 1867:
ROM: 46951, 46952, 46953, 46954, 46955, 46956, 76032, 76574, 76579, 76583, 76584, 76586, 76594, 76595, 76597, 76601, 76602, 76604, 76608, 76640, 76642, 76646, 76647.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
CM: 61464. - **FMNH:** 73082, 73083.
Rhinolophus eloquens K. Andersen, 1905:
RMCA: 38551b.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 46957, 46958, 46959, 46960. - **SMF:** 40637, 40638, 40639.
Taphozous hildegardeae Thomas, 1909:
AMNH: 237328, 237329. - **FMNH:** 153065, 153066, 73086, 73087. - **RMCA:** 38550, 38551a. - **ROM:** 36260, 36261, 38401, 38402, 38403, 46961, 46962, 46963, 46964, 73152, 73153, 73154, 73155, 73156, 74469, 74470, 74471, 74472, 74473, 74474, 74475, 74476, 74477, 74478, 74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 76573, 76575, 76576, 76577, 76582, 76585, 76587, 76590, 76591, 76592, 76593, 76596, 76600, 76603, 76606, 76609, 76610, 76611, 76612, 76613, 76614, 76615, 76616, 76617, 76618, 76619, 76620, 76621, 76622, 76623, 76624, 76625, 76626, 76627, 76628, 76629, 76630, 76631, 76632, 76633, 76635, 76636, 76637, 76638, 76643, 76644, 76648, 76649, 76650, 76651, 76652, 76653, 76654, 76655, 76656, 76657, 76658, 76659, 76660, 76661, 76662, 76663, 76664, 76665, 76666, 76667, 76668, 76669, 76670, 76671, 76672, 76673, 76674, 76675, 76676, 76677, 76678, 76679, 76680, 76681, 76682, 76683, 76685, 76686, 76687, 76688, 76689, 76690, 76691, 76692, 76693, 76694, 76695, 76696, 76697, 76698, 76699, 76700, 78056, 78057, 78058, 78059. - **USNM:** 350837. - **WNMU:** 354.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
ROM: 45946.
Triaenops afer Peters, 1877:
ROM: 41832, 46945, 46946, 71042, 71043, 71044, 71045, 71046, 71047, 71048, 71050, 73157, 73158, 73159, 73160, 73161, 73162, 73163, 73164, 73165, 73166, 73167, 73168, 76578, 76580, 76581, 76588, 76589, 76598, 76599, 76605, 76607, 76634, 76639, 76641, 76645, 76684, 77908, 77909, 79658

SE 04039Ba:

Cardioderma cor (Peters, 1872):
FMNH: 152519, 86594, 86595, 86596, 86597, 86598. - **ROM:** 45926. - **USNM:** 350876, 351214, 536107, 536108, 589821, 589822, 589823. - **YPM:** MAM 003091. - **ZMA:** MAM.21048, MAM.21049. - **ZMB:** 5073, 5430.
Chaerephon bivittatus (Heuglin, 1861):
FMNH: 67950, 67951.
Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 22825, 22826, 28143, 8277. - **ROM:** 76113, 76114, 76115, 76116, 76117, 78438, 78439, 78440, 81217, 81218, 81219, 81220, 81270, 81272, 81273, 81274, 81275, 81276, 81277, 81278, 81279. - **ZMB:** 5432.
Cloeotis percivali Thomas, 1901:
ROM: 41778.

Coleura afra (Peters, 1852):
AMNH: 237324, 237325, 237326, 237327. - **BMNH:** 1974.881. - **FMNH:** 86663, 86664, 86665, 86666, 86667, 86668, 86669, 86670, 86671, 86672, 86673. - **NMK:** 6708, 6710. - **ROM:** 36703, 36704, 66831, 66832, 66833, 66834, 66835, 66836, 66837, 66838, 66839, 66840, 66841, 66869, 66870, 81247, 81248, 81249, 81250, 81251, 81264, 81265, 81266, 81267, 81268, 81269, 81271, 85763. - **SMF:** 15808, 15809, 15810, 15811, 15812, 15813, 15814, 15815, 15816, 15817, 15818, 15819, 15820, 15821, 15822, 15823, 15824, 15825, 15826, 15827, 15828, 15829, 15830, 19417, 19418. - **USNM:** 347383, 347400, 347401, 347402, 347403, 347404, 347405, 347406, 347407. - **ZMA:** MAM.20747, MAM.21043, MAM.21044, MAM.21045, MAM.21046, MAM.21047, MAM.23458.
Epomophorus labiatus (Temminck, 1837):
ROM: 66882. - **USNM:** 589824, 589825, 589826.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 82524, 82525. - **BMNH:** 1962.35. - **CM:** 97825, 97826. - **LACM:** 31745, 31772. - **MCZ:** 59743, 59757, 59799. - **ROM:** 59265, 59266, 79672. - **SMF:** 24279. - **ZMA:** MAM.20864, MAM.20865, MAM.20866, MAM.20867, MAM.20868. - **ZMB:** 11379, 5081, 5428, 9967.
Hipposideros caffer (Sundevall, 1846):
FMNH: 86535, 86536.
Hipposideros ruber (Noack, 1893):
ROM: 79660. - **USNM:** 347411.
Hypsugo eisentrauti (Hill, 1968):
CM: 98020, 98021.
Macronycteris vittatus (Peters, 1852):
AMNH: 237334, 237379, 237380, 237381, 237382. - **MCZ:** 59762. - **RMCA:** 75.054-M-0012, 75.054-M-0013. - **ROM:** 35684, 36708, 36709, 36710, 79664, 79665, 79666, 81260, 81261, 81262, 81263, 81283. - **USNM:** 347387, 347388, 347389, 347390, 347391, 347392, 347412, 347413, 347414, 347415, 350938, 350939, 350940, 350941, 350942. - **ZMA:** MAM.20768, MAM.20769. - **ZMB:** 5429.
Miniopterus Bonaparte, 1837:
BMNH: 1911.12.10.14, 1911.12.10.15, 1911.12.10.16, 1911.12.10.17, 1911.12.10.18, 1911.12.10.19, 1911.12.10.20, 1911.12.10.21.
Miniopterus inflatus Thomas, 1903:
RMCA: 75.054-M-0011.
Miniopterus minor Peters, 1867:
AMNH: 237341, 237342, 237343. - **RMCA:** 75.054-M-0007, 75.054-M-0008, 75.054-M-0009, 75.054-M-0010. - **ROM:** 66842, 66871, 66872, 66873, 66874, 66875, 66876, 66877, 66878, 66879, 66880, 66881, 73551, 73552, 73554, 73555, 73556, 73557, 73559, 73560, 73561, 73562, 73563, 73564, 73565, 73566, 76087, 76088, 76089, 76090, 76091, 79657, 81223, 81224, 81225, 81226, 81235, 81236, 81237, 81239, 81240, 81241, 81242. - **SAMA:** M13069. - **USNM:** 347399.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 59209, 76017, 76018, 76019, 76020, 76021, 76022, 76023, 76024, 81284, 81285, 81286, 81287. - **SMF:** 23927, 23928, 23929, 23930, 23931, 23932, 23933, 23934, 23935, 23936, 23937, 23938, 23939, 23940, 23941, 23942, 23943, 23944, 23945, 23946, 23947, 23948, 23949, 23950, 23951, 23952, 23953, 23954, 23955, 23956, 23957, 23958, 23959, 23960, 23961, 23962, 23963, 23964, 23965, 23966, 23967, 23968, 23969, 23970, 23971, 23972, 23973, 23974, 23975, 23976, 23977, 23978, 23979, 23980, 23981, 23982, 23983, 23984, 23985, 23986, 23987, 23988, 23989, 23990, 23991, 23992, 23993, 23994, 23995, 23996, 23997, 23998, 23999, 24000, 24001, 24002, 24003, 24004, 24005, 24006, 24007, 24008, 24009, 24010, 24011, 24012, 24013, 24014, 24015, 24016, 24017, 24018, 24019, 24020, 24021, 24022, 24023, 24024, 24025, 24026, 24027, 24028, 24029, 24030, 24031, 24032, 24033, 24034, 24035, 24036, 24037, 24038, 24039, 24040, 24041, 24042, 24043, 24044, 24045, 24046, 24047, 24048, 24049, 24050, 24051, 24052, 24053, 24054, 24055, 24056, 24057, 24058, 24059, 24060, 24061, 24062, 24063, 24064, 24065, 24066, 24067, 24068, 24069, 24070, 24071, 24072, 24073, 24074, 24075, 24076, 24077, 24078, 24079, 24080, 24081, 24082, 24083, 24084, 24085, 24086, 24087, 24088, 24089, 24090, 24091, 24092, 24093, 24094, 24095, 24096, 24097, 24098, 24099, 24100, 24101, 24102, 24103, 24104, 24105, 24106, 24107, 24108, 24109, 24110, 24111, 24112, 24113, 24114, 24115, 24116, 24117, 24118, 24119, 24120, 24121, 24122, 24123, 24124, 24125, 24126, 24127, 24128, 24129, 24130, 24131, 24132, 24133, 24134, 24135, 24136, 24137, 24138, 24139, 24140, 24141, 24142, 24143, 24144, 24145, 24146, 24147, 24148, 24149, 24150, 24151, 24152, 24153, 24154, 24155, 24156, 24157, 24158, 24159, 24160, 24161, 24162, 24163, 24164, 24165, 24166, 24167, 24168, 24169, 24170, 24171, 24172, 24173, 24174, 24175, 24176, 24177, 24178, 24179, 24180, 24181, 24182, 24183, 24184, 24185, 24186, 24187, 24188, 24189, 24190, 24191, 24192, 24193, 24194, 24195, 24196, 24197, 24198, 24199, 24200, 24201, 24202, 24203, 24204, 24205, 24206, 24207, 24208, 24209, 24210, 24211, 24212, 24213, 24214, 24215, 24216, 24217, 24218, 24219, 24220, 24221, 24222, 24223, 24224, 24225, 24228, 24229, 24230, 24231, 24232, 24233, 24234, 24235, 24236, 24237, 24238, 24239, 24240, 24241, 24242, 24243, 24244, 24245, 24246, 24247, 24248, 24249, 24250, 24251, 24252, 24253, 24254, 24255, 24256, 24257, 24258, 24259, 24260, 24261, 24262, 24263, 24264, 24265, 24266, 24267, 24268, 24269, 24270, 24271, 24272, 24273, 24274, 24275, 24276, 24277, 24278.
Myotis bocagii (Peters, 1870):
ROM: 59173, 59174, 59175, 59176, 59177, 59178, 59179, 59180, 59181, 59182, 59183, 81221.
Myotis bocagii bocagii (Peters, 1870):
MCZ: 59786, 59787, 59788, 59883, 59884.
Neoromicia nana (Peters, 1852):
ZMA: MAM.20788, MAM.20789.
Neoromicia rendalli (Thomas, 1889):
CM: 97977. - **ROM:** 59203, 78201, 78202, 78203, 81222, 81243, 81244, 81245, 81246, 91228. - **ZMA:** MAM.20795, MAM.20796, MAM.20797, MAM.20798, MAM.20799, MAM.20800.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1881-303, ZM-MO-1881-304. - **ROM:** 59184.
Nycteris macrotis Dobson, 1876:
BMNH: 1922.2.17.79. - **FMNH:** 152460, 152461, 152462, 152463, 152464. - **MCZ:** 22781, 22782. - **ROM:** 45967, 66861, 66868, 78038. - **USNM:** 350851, 350852, 350854, 351212.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 66818, 66819. - **USNM:** 350853.
Rhinolophus deckenii Peters, 1868:

USNM: 347386.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 59194, 66817, 66843, 66844, 66845, 66846, 66847, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 66855, 66856, 66857, 66858, 66859, 66860, 73526, 73527, 73528, 73529, 73530, 73531, 73532, 73533, 73534, 73535, 73536, 73537, 73538, 73539, 73540, 73541.
Rhinolophus hildebrandtii Peters, 1878:
USNM: 347410.
Rhinolophus lobatus Peters, 1852:
MNHN: ZM-MO-1985-934, ZM-MO-1985-935, ZM-MO-1985-936, ZM-MO-1985-937. - **ROM:** 79662. - **ZMA:** MAM.20753, MAM.20754.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 237319, 237320, 237377. - **MCZ:** 59759. - **ROM:** 81259. - **USNM:** 351200. - **ZMA:** MAM.20896.
Scotoecus albofuscus (Thomas, 1890):
AMNH: 237386. - **ROM:** 83950, 91234.
Scotophilus Leach, 1821:
ZMB: 5075.
Scotophilus dinganii (A. Smith, 1833):
ROM: 79828, 79830, 79835, 79838. - **ZMA:** MAM.20803, MAM.20804.
Scotophilus viridis (Peters, 1852):
ROM: 79829, 79831, 79832, 79833, 79834, 79836, 79837, 81280, 81281, 81282.
Stenonycteris lanosus (Thomas, 1906):
ROM: 81288.
Taphozous hildegardeae Thomas, 1909:
AMNH: 219130, 237330. - **FMNH:** 86521, 86522, 86523, 86524, 86525, 86526, 86527, 86528, 86529, 86530, 86531, 86532, 86533, 86534. - **MCZ:** 59871. - **RMCA:** 75.054-M-0014, 75.054-M-0015. - **ROM:** 36707, 41835, 66808, 66809, 66810, 66811, 66812, 66813, 66814, 66815, 66816, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829, 66830, 78073, 78074, 79674, 79675, 81227, 81228, 81231, 81232, 81233, 81234, 81238, 85765, 91161. - **ZMA:** MAM.21031, MAM.21032, MAM.21033, MAM.21034, MAM.21035, MAM.21036, MAM.21037.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 347384, 347385.
Triaenops afer Peters, 1877:
AMNH: 237335, 237336, 237337, 237338, 237339, 237340. - **FMNH:** 86547, 86548, 86549, 86550, 86551, 86552, 86553, 86554, 86555, 86556, 86557, 86558, 86559, 86560, 86561, 86562, 86563, 86564, 86565, 86566. - **MCZ:** 59765. - **RMCA:** 75.054-M-0002, 75.054-M-0003, 75.054-M-0004, 75.054-M-0005, 75.054-M-0006. - **ROM:** 66862, 66863, 66864, 66865, 66866, 66867, 73523, 73524, 73525, 77906, 77907, 79659, 81252, 81253, 81254, 81255, 81256, 81257, 83951. - **USNM:** 347393, 347394, 347395, 347396, 347397, 347398, 347416, 347417. - **ZMA:** MAM.20771, MAM.20772, MAM.20773, MAM.20774, MAM.20775, MAM.21038, MAM.21039, MAM.21040, MAM.21041, MAM.21042. - **ZMB:** 5074

SE 04039Bc:

Cardioderma cor (Peters, 1872):
FMNH: 67866, 67867, 67868, 67869. - **MCZ:** 59778, 59779, 59873. - **ROM:** 59197, 73578. - **ZMA:** MAM.21056, MAM.21057.
Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 67956.
Coleura afra (Peters, 1852):
BMNH: 1973.532, 1975.2427. - **FMNH:** 152427, 152428, 152429, 152430, 152431, 152432, 152433, 152434, 152435, 152436, 152437, 152438, 152439, 152440, 152441, 152442, 152443, 152444. - **MCZ:** 59780, 59781, 59782, 59783, 59784, 59785, 59870, 59874. - **NMK:** Uncat (|R,4061| 1), Uncat (|R,4061| 2). - **ROM:** 45979, 45980, 45981, 45982, 68417, 73499, 73500, 73501, 73502, 73503, 73504, 73505, 73506, 73507, 73508, 73509, 73542, 73543, 73544, 73545, 73546, 73547, 73548, 73549, 73550, 77393, 77394, 78078, 78079, 78080, 78081, 78082, 78083, 78084, 78085, 78086, 78087, 78088, 91157. - **TTU:** 39174, 39175, 39176, 39177, 39178, 39179, 39180, 39181, 39182, 39183. - **USNM:** 350817, 350818, 350819, 350820, 350821, 350822, 350823, 350824, 350825, 350826, 350827, 350828, 350829, 350831, 350832, 350833, 350834, 350835, 351204, 351205, 351206, 351207, 351208, 351209. - **ZMA:** MAM.21051, MAM.21052, MAM.21054, MAM.21055, MAM.30029.
Epomophorus labiatus (Temminck, 1837):
ROM: 91151.
Epomophorus wahlbergi (Sundevall, 1846):
CM: 97829, 97830, 97832, 97833, 97835. - **MCZ:** 59744, 59745, 59746, 59747, 59748, 59749, 59750, 59751, 59752, 59753, 59754, 59755, 59756. - **ROM:** 73567, 73568, 73569, 73570, 73571, 73572, 73573, 73574, 73575, 73576, 73577. - **SMF:** 57521.
Macronycteris vittatus (Peters, 1852):
ROM: 79667.
Miniopterus inflatus inflatus Thomas, 1903:
ROM: 81230.
Miniopterus minor Peters, 1867:
FMNH: 152885. - **ROM:** 68424, 76076.
Myotis bocagii (Peters, 1870):
ROM: 78806.
Neoromicia nana (Peters, 1852):
ZMA: MAM.20790.
Neoromicia rendalli (Thomas, 1889):
ROM: 48707, 78200.
Nycteris grandis Peters, 1865:
SMF: 57535.
Nycteris macrotis Dobson, 1876:

SMF: 57534. - **USNM:** 347408.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 67885. - **MCZ:** 59872. - **RMNH:** MAM.SMEENK69. - **ROM:** 73579. - **SMF:** 57537.
Pipistrellus Kaup, 1829:
USNM: 351245.
Pipistrellus grandidieri (Dobson, 1876):
SMF: 57575.
Pipistrellus hesperidus (Temminck, 1840):
ZMA: MAM.20786.
Rhinolophus deckenii Peters, 1868:
ZMA: MAM.20757, MAM.20758, MAM.20759, MAM.20760, MAM.20761, MAM.20762.
Rhinolophus eloquens K. Andersen, 1905:
ROM: 59193.
Rhinolophus lobatus Peters, 1852:
ROM: 59166, 59167, 59168, 59169, 59170, 59171, 59172.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MCZ: 59758. - **ZMA:** MAM.20895.
Scotoecus albofuscus (Thomas, 1890):
ROM: 81229.
Scotoecus hindei Thomas, 1901:
ZMA: MAM.20777.
Scotophilus trujilloi Brooks and Bickham, 2014:
CM: 98038, 98040.
Scotophilus viridis (Peters, 1852):
CM: 98041. - **MCZ:** 59888. - **RMNH:** MAM.28656, MAM.28657, MAM.28658. - **ZMA:** MAM.20181, MAM.20810, MAM.20811, MAM.20812, MAM.20813.
Taphozous hildegardeae Thomas, 1909:
ROM: 73498, 78068, 78069, 78070. - **USNM:** 350848, 350849, 351210, 351211

SE 04039Dc:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 192817, 192818, 192819, 192820, 192821, 192822, 192823, 192886, 192887, 192888, 192889, 192890, 192891, 192892, 192893.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 192845.
Hipposideros caffer (Sundevall, 1846):
FMNH: 192784, 192785, 192786, 192787, 192788, 192789, 192790, 192791, 192849, 192850, 192851, 192852, 192853, 192854, 192855.
Macronycteris vittatus (Peters, 1852):
FMNH: 192800, 192801, 192802, 192803, 192857, 192858, 192859, 192860, 192861, 192862, 192863, 192864, 192865, 192866, 192867, 192868, 192869, 192870, 192871, 192872, 192873.
Mops (Xiphonycteris) bakarii Stanley, 2009:
FMNH: 192824, 192825, 192826, 192827, 192828, 192829, 192830, 192831, 192832, 192833, 192834, 192835, 192836, 192894, 192895, 192896, 192897, 192898, 192899, 192900, 192901.
Neoromicia nana (Peters, 1852):
FMNH: 192902.
Nycteris grandis Peters, 1865:
FMNH: 192814, 192815, 192816, 192880, 192881, 192882, 192883, 192884, 192885.
Pteropus voeltzkowi Matschie, 1909:
FMNH: 192780.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 192846.
Scotophilus viridis (Peters, 1852):
FMNH: 192837, 192903, 192904

SE 05039Ba:

Pteropus voeltzkowi Matschie, 1909:
BMNH: 1964.888, 1964.889, 1964.890, 1964.891, 1964.892

SE 04039Dd:

Coleura afra (Peters, 1852):
FMNH: 192804, 192805, 192806, 192807, 192808, 192809, 192810, 192811, 192812, 192813, 192874, 192875, 192876, 192877, 192878, 192879.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1956.190.
Hipposideros caffer (Sundevall, 1846):
MCZ: 33140, 33141, 33142, 33143.
Rhinolophus deckenii Peters, 1868:
MCZ: 33128.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MCZ: 33169, 33170, 33171

SE 04055Ac:

Coleura seychellensis Peters, 1868:
BMNH: 1876.10.10.1, 1906.3.18.2, 1906.3.18.4, 1906.3.18.5, 1906.3.18.6, 1906.3.18.7, 1906.3.18.8, Uncat (|R,4061| 3), Uncat (|R,4061| 4).
Pteropus seychellensis A. Milne-Edwards, 1877:
BMNH: 1869.5.21.1, 1906.3.18.1, 1973.523

SE 04055Cb:

Coleura seychellensis Peters, 1868:
BMNH: 1869.2.19.2.
Pteropus Erxleben, 1777:
MNHN: ZM-MO-1892-1549.
Pteropus aldabrensis True, 1893:
USNM: 568924.
Pteropus seychellensis A. Milne-Edwards, 1877:
BMNH: 1948.261, 1948.262. - **MNHN:** ZM-MO-1878-1106, ZM-MO-1878-1107 - 35B, ZM-MO-1878-1108, ZM-MO-1878-1109 - 35C, ZM-MO-1878-1110 - 35A-157, ZM-MO-1878-1112. - **RMCA:** 34764a, 34764b. - **USNM:** 19771, 574127. - **ZMA:** MAM.24500, MAM.24501

SE 04055Bc:

Coleura seychellensis Peters, 1868:
BMNH: 1939.1368, 1939.1369, 1939.1371, 1939.1372, 1939.1373, 1939.1374, 1939.1375, 1939.1376, 1939.1377, 1939.1378, 1939.1379, 1948.263, 1948.264, 1948.265, Uncat (|R,4061| 1), Uncat (|R,4061| 2), Uncat (|R,4061| 5).
Pteropus seychellensis A. Milne-Edwards, 1877:
BMNH: 1939.1326, 1939.1327, 1939.1328, 1939.1329, 1939.1330, 1939.1331. - **SMF:** 57379, 57380, 57381. - **ZMA:** MAM.16713

SE 04055Da:

Pteropus seychellensis A. Milne-Edwards, 1877:
RMNH: MAM.37226

SE 04055Bd:

Coleura seychellensis Peters, 1868:
BMNH: 1973.524. - **MNHN:** ZM-MO-1873-1116, ZM-MO-1876-549, ZM-MO-1985-265.
Pteropus seychellensis A. Milne-Edwards, 1877:
AMNH: 249996

SE 05012Aa:

Eidolon helvum (Kerr, 1792):
ZMB: 10209, 10210, 10211, 5224.
Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 4801, 9974/9975, 9976, 9977.
Hipposideros caffer (Sundevall, 1846):
RBINS: 208b. - **ZMB:** 6280, 8396.
Micropteropus pusillus (Peters, 1868):
ZMB: 4802.
Mimetillus moloneyi (Thomas, 1891):
RBINS: 284.
Myotis bocagii (Peters, 1870):
ZMA: MAM.17345.
Neoromicia nana (Peters, 1852):
ZMB: 4903.
Neoromicia tenuipinnis (Peters, 1872):
ZMB: 4804, 4992, 66941, 66942, 66943.
Nycteris hispida (Schreber, 1774):
ZMB: 4803.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 242

SE 05012Cd:

Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 6533, 6534, 6535, 6536, 6537, 7290. - **SMF:** 2511, 2512.
Glauconycteris argentata (Dobson, 1875):
SMF: 2516, 2517, 2518, 2519, 2520, 2521, 2522.
Glauconycteris variegata (Tomes, 1861):
RMCA: 16489.
Micropteropus intermedius Hayman, 1963:
SMF: 2509.

Micropteropus pusillus (Peters, 1868):
RMCA: 12167, 331, 6547.
Neoromicia nana (Peters, 1852):
SMF: 2524, 2525.
Neoromicia tenuipinnis (Peters, 1872):
RBINS: 14511.
Nycteris grandis Peters, 1865:
SMF: 2514

SE 05012Dc:

Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 49210, 49211, 49212, 49214, 49215, 49217, 49218, 49220, 49221, 49223, 49226, 49227, 49229, 49261, 49263, 49268, 49269, 49270, 49271, 49273, 49274, 49275, 49276. - **MCZ:** 17219, 17221.
Rhinolophus lobatus Peters, 1852:
RMCA: 20643, 20644, 20645, 20646, 20647, 20648, 20649, 20650, 20651, 20652, 20653

SE 06012Ba:

Eidolon helvum (Kerr, 1792):
BMNH: 1892.5.7.1

SE 05012Bd:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 26918, 26919, 26920, 26921, 26922.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 993

SE 05012Dd:

Eidolon helvum (Kerr, 1792):
RMCA: 4861, 4862, 4863, 4864.
Hipposideros ruber (Noack, 1893):
RMCA: 150a, 150b, 150c.
Micropteropus pusillus (Peters, 1868):
RMCA: 149.
Myotis bocagii (Peters, 1870):
RMCA: 284

SE 05013Aa:

Micropteropus pusillus (Peters, 1868):
RMCA: 2099a, 2099b, 2099c

SE 05013Ac:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 16151, 16152, 16153

SE 05013Ca:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 16236, 16237, 16238, 16239, 16240, 16241, 16242, 16259, 6579, 6580, 6590, 6591, 6592, 6593, 6594, 6595, 6596, 6597.
Megaloglossus woermanni Pagenstecher, 1885:
FMNH: 222419, 222420. - **ZMA:** MAM.26275.
Nycteris macrotis Dobson, 1876:
RMCA: 6557

SE 05013Cc:

Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 48844, 49216, 49237, 49259.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 12128a, 12128b, 12128c, 12128d, 12128e, 12128f, 12128g, 12128h, 12128i, 12128j, 12129a, 12129b, 12129c, 12129d, 12129e, 12129f, 12129g, 12129h, 12129i, 12129j, 12129k, 12129l, 12129m, 13959, 13960, 13961, 13962, 16202, 16234, 16235, 16253, 16269, 16270, 16491, 22388, 6598, 6604, 6605, 7251, 7301, 7302, 7303, 7719, 7720, 7721, 7722.
Eidolon helvum (Kerr, 1792):
RMCA: 13936, 13937, 13938, 13939, 13940, 13941, 13942, 13943, 13944a, 13945, 16184.
Epomophorus labiatus (Temminck, 1837):
RMCA: 16220b, 7294, 7640.

Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 12125a, 12125b, 12125c, 12125d, 12127j, 12127k, 12127l, 12127m, 12251, 12252, 12253, 12254, 12255, 12256, 13705, 13706, 13946, 13948, 13949, 13950, 13952, 13953, 13955, 13956, 13957, 13958, 14182, 16204, 16205, 16261, 20177, 20178, 2484a, 2484b, 6532, 6538.
Glauconycteris argentata (Dobson, 1875):
RMCA: 6571a, 6572, 6573a, 6574, 6575, 6576, 7250.
Glauconycteris variegata (Tomes, 1861):
RMCA: 16229, 16230, 6566, 6567, 6568, 6569, 6571b, 7635, 7636, 7637, 7638, 7639.
Micropteropus pusillus (Peters, 1868):
RMCA: 1051, 12125e, 12125f, 12125g, 12125h, 12126a, 12126b, 12126c, 12126d, 12126e, 12126f, 12126g, 12126h, 12126i, 12126j, 12127a, 12127b, 12127c, 12127d, 12127e, 12127f, 12127g, 12127h, 12127i, 13947, 13951, 13954, 16181, 16216, 16219, 16220a, 6542, 6543, 6544, 6545, 7292, 7293, 7295, 7297.
Myotis bocagii (Peters, 1870):
RMCA: 2102.
Neoromicia nana (Peters, 1852):
SMF: 2523.
Neoromicia rendalli (Thomas, 1889):
RMCA: 6068b, 6573b.
Nycteris hispida (Schreber, 1774):
AMNH: 49392, 49393, 49394. - **RMCA:** 2486.
Nycteris macrotis Dobson, 1876:
RMCA: 13700a, 13700b, 13700c, 13702, 13703, 13704, 6066, 6067, 6068a, 6069.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 26321, 26322.
Stenonycteris lanosus (Thomas, 1906):
RMCA: 13944b

SE 05013Ad:

Eidolon helvum (Kerr, 1792):
RMCA: 16084

SE 05013Cd:

Chaerephon Dobson, 1874:
FMNH: 81692.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 153495, 153496, 153497, 81712, 81713, 81714, 81715, 81716, 81717, 81718, 81719.
Epomops franqueti (Tomes, 1860):
RMCA: 87.019-M-0001, 87.019-M-0002, 87.019-M-0003, 87.019-M-0004.
Neoromicia nana (Peters, 1852):
RMCA: 13966

SE 05013Da:

Epomophorus minor Dobson, 1880:
RMCA: 408a.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 409.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 492.
Macronycteris vittatus (Peters, 1852):
RMCA: 410.
Micropteropus pusillus (Peters, 1868):
RMCA: 1545, 408b.
Myotis bocagii (Peters, 1870):
RMCA: 3434.
Neoromicia nana (Peters, 1852):
RMCA: 1544a, 1544b, 1544c, 1544d, 1544e, 1544f, 1544g, 1544h

SE 05013Db:

Hipposideros caffer (Sundevall, 1846):
RBINS: 208f

SE 05014Cb:

Myonycteris angolensis (Bocage, 1898):
RMCA: 22504, 22505, 22506, 22507, 22508, 22509, 22510, 22677b.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1954.782, 1954.783. - **RMCA:** 22673, 22674, 22675, 22676, 22677a, 22678, 22679, 22680, 22681, 22682, 22683, 22684, 22685

SE 05014Bc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 6578, 6588, 6589.
Hipposideros ruber (Noack, 1893):
RMCA: a2.040-M-0003, a2.040-M-0004.
Nycteris macrotis Dobson, 1876:
RMCA: 6556.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: a2.040-M-0002

SE 05014Da:

Hipposideros ruber (Noack, 1893):
RMCA: 14916, 14917, 14918, 14919, 14920, 14921, 14922, 14923, 14924

SE 05014Bd:

Chaerephon pumilus (Cretzschmar, 1826):
BMNH: 1954.821, 1954.822, 1954.823, 1954.824, 1954.825, 1954.826, 1954.827, 1954.828, 1954.829, 1954.830. - **RMCA:** 21618, 22515, 22516, 22517, 22518, 22519, 22520, 22521, 22522, 22523, 22524, 22525, 22526, 22527, 22528, 22529, 22530, 22531, 22532, 22533, 22534, 22535, 22536, 22537, 22538, 22539, 22540, 22541, 22542, 22543, 22544, 22545, 22546, 22547, 22548, 22549, 22550, 22551, 22552, 22553, 22554, 22555, 22556, 22557, 22558, 22559, 22560, 22561, 22562, 22563, 22564, 22565, 22570, 22571, 22572, 22573, 22574, 22575, 22576, 22577, 22578, 22579, 22580, 22581, 22582, 22583.
Hipposideros beatus (K. Andersen, 1906):
RBINS: 22426.
Hipposideros caffer (Sundevall, 1846):
RBINS: 22427. - **ZMA:** MAM.26155.
Hipposideros ruber (Noack, 1893):
RBINS: 22430. - **RMCA:** 22584, 22585, 22586, 22587, 22588, 22589, 22590, 22591, 22592, 22593, 22594, 22595, 22596, 22597, 22598, 22599, 22600, 22601.
Micropteropus intermedius Hayman, 1963:
RMCA: 22661.
Micropteropus pusillus (Peters, 1868):
RMCA: 22658, 22659, 22660, a7.006-M-0012, a7.006-M-0013.
Miniopterus minor Peters, 1867:
BMNH: 1954.866. - **RBINS:** 1456. - **RMCA:** 18016, 22502. - **ZMA:** MAM.26154.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 49288, 49289, 49292, 49309, 49318, 49321, 49324, 49328, 49331, 49333, 49334, 49335. - **MCZ:** 17222. - **RBINS:** 1456B, 22425.01, 22425.02, 22425.03, 22425.04, 22425.05, 22425.06, 22425.07, 22425.08, 22425.09, 22425.10, 22425.11, 22425.12, 22425.13, 22425.14, 22425.15, 22425.16, 22425.17, 22425.18, 22425.19, 22425.20, 22425.21, 22425.22, 22425.23, 22425.24, 22425.25, 22425.26, 22425.27, 22425.28, 22425.29, 22425.30. - **RMCA:** 10061, 16450a, 22501.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
RBINS: 22432.
Myonycteris angolensis (Bocage, 1898):
BMNH: 1954.846, 1954.847, 1954.848, 1954.849, 1954.850. - **RMCA:** 13689, 22503, 22671, 22672, 32388, 32389, 32655, 32656, 32767, 32777, 32778, 32779, 33568.
Myotis tricolor (Temminck, 1832):
RMCA: 16450b.
Nycteris hispida (Schreber, 1774):
RBINS: 22431.
Rhinolophus fumigatus Rüppell, 1842:
RBINS: 22428, 22429.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 22511, 22512, 22513, 22514, 22566, 22567, 22568, 22569

SE 05015Aa:

Chaerephon Dobson, 1874:
FMNH: 219519, 219520, 219521, 219522, 219523, 219524, 219525, 219526, 219527, 219528, 219529, 219530, 219531, 219532, 219537, 219538, 219539, 219540, 219541.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 11956, 6599, 6600, 6601, 6602, 6606, 7300a, 7304, 7305, 7306, 7307.
Glauconycteris argentata (Dobson, 1875):
RMCA: 7314b.
Hipposideros ruber (Noack, 1893):
RMCA: 2416a, 2416b, 6563.
Myotis tricolor (Temminck, 1832):
RMCA: 7300b.
Neoromicia capensis (A. Smith, 1829):
RMCA: 6560.
Neoromicia nana (Peters, 1852):
RMCA: 3433.
Neoromicia tenuipinnis (Peters, 1872):

RMCA: 7313, 7314a.
Rhinolophus clivosus Cretzschmar, 1828:
RMCA: 7718.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 6564

SE 05015Ac:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 17757

SE 05016Da:

Neoromicia nana (Peters, 1852):
RMCA: 90.009-M-0001

SE 05018Bc:

Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 83.025-M-0005

SE 06018Ba:

Epomops franqueti (Tomes, 1860):
RMCA: 20559.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 20560

SE 05018Bb:

Casinycteris argynnis Thomas, 1910:
MSB: 274606. - **RMCA:** 97.021-M-0579.
Chaerephon ansorgei (Thomas, 1913):
MSB: 274721, 274722, 274723, 274724, 274725, 274726, 274781, 274782, 274783, 274784, 274785, 274786, 274787, 274788, 274789, 274790, 274791, 274792, 274793, 274794, 274795, 274796, 274797, 274798, 274799, 274800, 274801, 274802, 274803, 274804, 274805. - **RMCA:** 97.021-M-0612, 97.021-M-0613, 97.021-M-0614, 97.021-M-0615, 97.021-M-0616, 97.021-M-0617, 97.021-M-0618, 97.021-M-0619, 97.021-M-0620, 97.021-M-0621, 97.021-M-0622, 97.021-M-0623, 97.021-M-0624, 97.021-M-0625, 97.021-M-0626, 97.021-M-0627, 97.021-M-0628, 97.021-M-0629, 97.021-M-0630, 97.021-M-0631, 97.021-M-0632, 97.021-M-0633, 97.021-M-0634, 97.021-M-0635, 97.021-M-0636, 97.021-M-0637, 97.021-M-0638, 97.021-M-0639, 97.021-M-0640, 97.021-M-0641.
Chaerephon pumilus (Cretzschmar, 1826):
MSB: 274579, 274580, 274581, 274582, 274583, 274589, 274590, 274591, 274592, 274593, 274595, 274596, 274597, 274598, 274599, 274600, 274607, 274608, 274609, 274610, 274611, 274612, 274613, 274615, 274616, 274617, 274618, 274619, 274620, 274623, 274624, 274625, 274626, 274627, 274628, 274629, 274630, 274631, 274632, 274633, 274634, 274639, 274640, 274641, 274642, 274806, 274807, 274808, 274809, 274810, 274811, 274812, 274813, 274814, 274815, 274816, 274817, 274818, 274819, 274820, 274821, 274822, 274823, 274824, 274825, 274826, 274873, 274874, 274875, 274876, 274877, 274878, 274879, 274880, 274881, 274882, 274883, 274884, 274885, 274886, 274887, 274888, 274889, 274890, 274891, 274892, 274893, 274894, 274895. - **RMCA:** 97.021-M-0642, 97.021-M-0643, 97.021-M-0644, 97.021-M-0645, 97.021-M-0646, 97.021-M-0647, 97.021-M-0648, 97.021-M-0649, 97.021-M-0650, 97.021-M-0651, 97.021-M-0652, 97.021-M-0653, 97.021-M-0654, 97.021-M-0655, 97.021-M-0656, 97.021-M-0657, 97.021-M-0658, 97.021-M-0659, 97.021-M-0660, 97.021-M-0661, 97.021-M-0662, 97.021-M-0663, 97.021-M-0664, 97.021-M-0665, 97.021-M-0666, 97.021-M-0667, 97.021-M-0668, 97.021-M-0669, 97.021-M-0670, 97.021-M-0671, 97.021-M-0672, 97.021-M-0673, 97.021-M-0674, 97.021-M-0675, 97.021-M-0676, 97.021-M-0677, 97.021-M-0678, 97.021-M-0679, 97.021-M-0680, 97.021-M-0681, 97.021-M-0682, 97.021-M-0683, 97.021-M-0684, 97.021-M-0685, 97.021-M-0686, 97.021-M-0687, 97.021-M-0696, 97.021-M-0697, 97.021-M-0698, 97.021-M-0699, 97.021-M-0700, 97.021-M-0701, 97.021-M-0702, 97.021-M-0703, 97.021-M-0704, 97.021-M-0705, 97.021-M-0706, 97.021-M-0707, 97.021-M-0708, 97.021-M-0709, 97.021-M-0710, 97.021-M-0711, 97.021-M-0712, 97.021-M-0713, 97.021-M-0714, 97.021-M-0715, 97.021-M-0716, 97.021-M-0717, 97.021-M-0727, 97.021-M-0728, 97.021-M-0729, 97.021-M-0730, 97.021-M-0731, 97.021-M-0732, 97.021-M-0733, 97.021-M-0734, 97.021-M-0735, 97.021-M-0736, 97.021-M-0737, 97.021-M-0738, 97.021-M-0739, 97.021-M-0740, 97.021-M-0741, 97.021-M-0742, 97.021-M-0743, 97.021-M-0744, 97.021-M-0745, 97.021-M-0746, 97.021-M-0747.
CHIROPTERA Blumenbach, 1779:
RMCA: 97.021-M-1175. - **UNIKIS:** KKT2845.
Eidolon helvum (Kerr, 1792):
TM: 45592, 45593, 45594, 45629, 46061, 46062, 46065, 46066, 46067, 46068, 46069, 46070, 46071, 46072, 46075, 46077, 46078, 46079.
Epomops Gray, 1866:
UNIKIS: KKT2847, KKT2860.
Epomops franqueti (Tomes, 1860):
RMCA: 97.021-M-0748.
Hypsignathus monstrosus H. Allen, 1862:
TM: 45595, 45628, 45630, 46063, 46064, 46073, 46074, 46080, 46081.
Megaloglossus woermanni Pagenstecher, 1885:
MSB: 274635, 274636, 274637, 274638, 274643, 274644, 274646, 274647, 274648. - **RMCA:** 97.021-M-0750, 97.021-M-0751, 97.021-M-0752, 97.021-M-0753, 97.021-M-0754, 97.021-M-0755, 97.021-M-0756, 97.021-M-0757, 97.021-M-0758, 97.021-M-0759.

Micropteropus Matschie, 1899:
UNIKIS: KKT2848, KKT2849, KKT2850, KKT2851, KKT2852, KKT2853, KKT2854, KKT2855, KKT2856, KKT2857, KKT2858, KKT2859, KKT2861, KKT2862, KKT2863, KKT2864, KKT2865, KKT2866, KKT2877.
Micropteropus pusillus (Peters, 1868):
MSB: 274975, 274976, 274977, 274978, 274979, 274985. - **RMCA:** 97.021-M-0805, 97.021-M-0806, 97.021-M-0807, 97.021-M-0808, 97.021-M-0809, 97.021-M-1174.
Mops (Mops) condylurus (A. Smith, 1833):
MSB: 274584, 274585, 274586, 274587, 274588. - **RMCA:** 97.021-M-0811, 97.021-M-0812, 97.021-M-0813, 97.021-M-0814, 97.021-M-0815.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
MSB: 274898, 274899, 274900, 274902, 274903, 274907. - **RMCA:** 97.021-M-0817, 97.021-M-0818, 97.021-M-0819, 97.021-M-0820, 97.021-M-0821, 97.021-M-0822, 97.021-M-0850.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 97.021-M-0824.
Myopterus whitleyi (Scharff, 1900):
MSB: 274906.
Myotis bocagii (Peters, 1870):
MSB: 274603, 274604, 274614. - **RMCA:** 97.021-M-0829, 97.021-M-0830, 97.021-M-0831, 97.021-M-0832.
Neoromicia nana (Peters, 1852):
MSB: 274920. - **RMCA:** 5478.
Neoromicia somalica (Thomas, 1901):
RMCA: 97.021-M-0749.
Nycteris grandis Peters, 1865:
TM: 45568, 45569.
Nycteris hispida (Schreber, 1774):
MSB: 274621. - **RMCA:** 97.021-M-0837.
Nycteris macrotis Dobson, 1876:
TM: 45614, 45615, 45617, 45618.
Saccolaimus peli (Temminck, 1853):
RMCA: 14913, 14914.
Scotophilus dinganii (A. Smith, 1833):
MSB: 274622, 274926, 274986, 274987. - **RMCA:** 97.021-M-0839, 97.021-M-0840, 97.021-M-0847, 97.021-M-0848

SE 05019Aa:

Glauconycteris beatrix Thomas, 1901:
MSB: 274578. - **RMCA:** 97.021-M-0810.
Micropteropus pusillus (Peters, 1868):
MSB: 274577.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
MSB: 274601, 274602. - **RMCA:** 97.021-M-0823.
Myotis bocagii (Peters, 1870):
MSB: 274911, 274914. - **RMCA:** 97.021-M-0833, 97.021-M-0834, 97.021-M-0835, 97.021-M-0836

SE 05019Dd:

Nycteris arge Thomas, 1903:
CAS: 12488, 12521

SE 05020Db:

Eidolon helvum (Kerr, 1792):
RMCA: 6507, 6508

SE 05021Ac:

Nycteris macrotis Dobson, 1876:
RMCA: 7296.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 6553

SE 05021Ad:

Eidolon helvum (Kerr, 1792):
RMCA: 6483a, 6483b, 6501, 6502, 6503, 6504, 6505, 6506, 6509, 6510, 6513, 6514, 6515.
Epomophorus labiatus (Temminck, 1837):
AMNH: 82375.
Epomops franqueti (Tomes, 1860):
RMCA: 6646.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 6525.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RMCA: 6607, 6608, 7298, 7299.
Neoromicia capensis (A. Smith, 1829):
RMCA: 7309.

Neoromicia nana (Peters, 1852):
RMCA: 6609, 6610, 6635, 6636, 6637, 6638, 6639, 6640, 6641a, 6641b, 6642, 6643.
Nycteris arge Thomas, 1903:
RMCA: 6555

SE 05021Dc:

Epomops franqueti (Tomes, 1860):
RMCA: 26554

SE 05022Cc:

Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 76.015-M-0002, 76.015-M-0003, 76.015-M-0004, 76.015-M-0005, 76.015-M-0006.
Epomops franqueti (Tomes, 1860):
RMCA: 76.015-M-0001

SE 06022Aa:

Casinycteris argynnis Thomas, 1910:
RMCA: 83.025-M-0021.
Epomophorus labiatus (Temminck, 1837):
RMCA: 35286.
Epomops franqueti (Tomes, 1860):
RMCA: 83.025-M-0011, 83.025-M-0012, 83.025-M-0013, 83.025-M-0014, 83.025-M-0015, 83.025-M-0016, 83.025-M-0017, 83.025-M-0018, 83.025-M-0024.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 738, 738a, 738b, 738c.
Micropteropus pusillus (Peters, 1868):
RMCA: 83.025-M-0008, 83.025-M-0009, 83.025-M-0010, 83.025-M-0020, 83.025-M-0022.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 740a.
Myonycteris angolensis (Bocage, 1898):
RMCA: 83.025-M-0023.
Neoromicia nana (Peters, 1852):
RMCA: 739a, 739b, 739c, 739d

SE 05022Ad:

Micropteropus pusillus (Peters, 1868):
RMCA: 84.035-M-0009, 84.035-M-0010, 84.035-M-0011, 84.035-M-0012.
Myonycteris torquata (Dobson, 1878):
RMCA: 84.035-M-0005.
Nycteris hispida (Schreber, 1774):
RMCA: 84.035-M-0024

SE 05022Cb:

Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 77.038-M-0002, 77.038-M-0003.
Epomops franqueti (Tomes, 1860):
RMCA: 75.061-M-0001, 75.061-M-0002, 75.061-M-0003, 75.061-M-0004, 75.061-M-0005, 75.061-M-0006, 79.022-M-0005

SE 05022Cd:

Casinycteris argynnis Thomas, 1910:
RMCA: 33347, 33348, 33411, 33412.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 31561, 31562, 31563, 31564, 31565, 31570, 33350, 7543a.
Eidolon helvum (Kerr, 1792):
BMNH: 1926.11.1.23, 1926.7.6.45, 1926.7.6.46. - **RMCA:** 76.054-M-0001, 76.054-M-0002, 76.054-M-0003, 77.015-M-0003.
Epomophorus crypturus Peters, 1852:
RMCA: 31557.
Epomophorus labiatus (Temminck, 1837):
RMCA: 35277b.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 206843, 207736, 207737, 207738. - **MNHN:** ZM-MO-1960-3859, ZM-MO-1960-3860. - **NMBA:** 3800, 7695. - **RMCA:** 31550, 31554, 32378, 32387, 32650, 32651, 32661, 32662, 33407, 33408, 33409, 33410, 33644, 34405a, 35609, 7537, 7538, 7539, 7540.
Epomops franqueti (Tomes, 1860):
AMNH: 207739. - **BMNH:** 1926.7.6.55, 1926.7.6.56. - **RMCA:** 31548, 31551, 31552, 31553, 31555, 31556, 31558, 31559, 31560, 32652, 32653, 32654, 32663, 32664, 32665, 32690, 33390, 33391, 33392, 33393, 33394, 33395, 33396, 33397, 33398, 33399, 33400, 33401, 33402, 33403, 33404, 33405, 33406, 33646, 33647, 33648, 34405b, 35277a, 35796, 35798, 36250b, 38815, 77.015-M-0001, 77.015-M-0002. - **ZMB:** 10031.

Glauconycteris Dobson, 1875:
BMNH: 1926.7.6.95. - **RMCA:** 31573, 33351.
Glauconycteris argentata (Dobson, 1875):
RMCA: 7570.
Hipposideros caffer (Sundevall, 1846):
BMNH: 1927.12.21.6, 1927.12.21.7.
Hipposideros ruber (Noack, 1893):
BMNH: 1926.11.1.47, 1926.11.1.48, 1926.11.1.49, 1926.11.1.50, 1926.11.1.51, 1926.11.1.52, 1926.11.1.53, 1926.7.6.62_1, 1926.7.6.62_2, 1926.7.6.64, 1926.7.6.65, 1926.7.6.66, 1926.7.6.67, 1926.7.6.68, 1926.7.6.7, 1926.7.6.70. - **RMCA:** 13708, 7543b, 7566, 7567.
Hypsignathus monstrosus H. Allen, 1862:
BMNH: 1926.7.6.48. - **RMCA:** 35275.
Kerivoula argentata Tomes, 1861:
BMNH: 1926.7.6.92, 1926.7.6.94, 1927.12.21.13, 1927.12.21.14. - **ZMB:** 35910, 35911.
Megaloglossus woermanni Pagenstecher, 1885:
AMNH: 212578. - **RMCA:** 33341, 33342, 33343, 33344, 33345, 33346, 33370, 33371, 33553, 33554, 33603, 33604, 75.061-M-0007.
Micropteropus intermedius Hayman, 1963:
RMCA: 32380, 34406, 34409.
Micropteropus pusillus (Peters, 1868):
AMNH: 206836, 206837, 206838, 206839, 206840, 206841, 206842. - **BMNH:** 1926.7.6.60, 1926.7.6.61. - **KU:** 125197. - **RMCA:** 32363, 32364, 32365, 32366, 32367, 32368, 32369, 32370, 32371, 32372, 32373, 32374, 32375, 32376, 32377, 32379, 32381, 32382, 32383, 32384, 32385, 32386, 32640, 32641, 32642, 32643, 32644, 32645, 32646, 32647, 32648, 32649, 32673, 32674, 32675, 32676, 32677, 32678, 32679, 32680, 32681, 32682, 32683, 32684, 32685, 32686, 32687, 32688, 32689, 32691, 32692, 32693, 32694, 32695, 32696, 32697, 32768, 33320, 33321, 33322, 33323, 33324, 33325, 33326, 33327, 33328, 33329, 33330, 33331, 33415, 33416, 33417, 33418, 33419, 33420, 33421, 33422, 33423, 33424, 33425, 33426, 33427, 33428, 33429, 33430, 33431, 33432, 33433, 33434, 33435, 33436, 33437, 33438, 33439, 33440, 33441, 33442, 33443, 33444, 33445, 33446, 33447, 33448, 33555, 33556, 33557, 33558, 33559, 33560, 33561, 33563, 33565, 33566, 33567, 33572, 33573, 33574, 33575, 33576, 33577, 33578, 33579, 33580, 33581, 33582, 33584, 33645, 33653, 33654, 33655, 33656, 33657, 33658, 33659, 33660, 33661, 33662, 33663, 33664, 33665, 33666, 33667, 33668, 33669, 33670, 33671, 33672, 33673, 33674, 33675, 33676, 33677, 33678, 33679, 33680, 33681, 33682, 33683, 34407, 34408, 34410, 34411, 34412, 34413, 34414, 34415, 34416, 34417, 34418, 34419, 34420, 35281, 35610, 35611, 35612, 35613, 36251, 36252, 36253, 36254, 75.061-M-0008, 75.061-M-0009, 75.061-M-0010, 7547, 7548, 79.032-M-0010, 79.032-M-0011, 79.032-M-0012, 84.035-M-0007, 84.035-M-0013.
Mimetillus moloneyi (Thomas, 1891):
RMCA: 33587, 33588, 33589, 33590, 33591, 33592.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 207740, 207741, 207742, 207743, 207744, 207745, 207746, 207747, 207748, 207749, 207750, 207751, 207752, 207753.
Mops (Mops) condylurus (A. Smith, 1833):
BMNH: 1926.7.6.107. - **RMCA:** 31549, 33593, 33594.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
BMNH: 1926.7.6.104, 1926.7.6.106. - **RMCA:** 84.035-M-0014, 84.035-M-0016, 84.035-M-0017, 84.035-M-0018, 84.035-M-0020, 84.035-M-0021.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
BMNH: 1926.11.1.37, 1926.11.1.38, 1926.11.1.39, 1926.11.1.40, 1926.11.1.41, 1926.11.1.42, 1926.11.1.43, 1927.12.21.19, 1927.5.9.1, 1927.5.9.2. - **RMCA:** 1548, 1954a, 1954b, 1954c.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 206845. - **BMNH:** 1926.11.1.28, 1926.11.1.29, 1926.11.1.30, 1926.11.1.31, 1926.11.1.33, 1926.11.1.34, 1926.11.1.36, 1927.12.21.15, 1927.12.21.17, 1927.12.21.18. - **RMCA:** 7542, 7544, 7549, 7550, 81.050-M-0002, 81.050-M-0003, 81.050-M-0004, 81.050-M-0005, 81.050-M-0006, 81.050-M-0007.
Myonycteris torquata (Dobson, 1878):
RMCA: 32660, 33332, 33333, 33334, 33335, 33336, 33337, 33338, 33339, 33340, 33413, 33414.
Myopterus whitleyi (Scharff, 1900):
BMNH: 1926.11.1.45, 1926.11.1.46, 1926.7.6.100, 1926.7.6.101, 1926.7.6.102, 1926.7.6.103, 1926.7.6.99, 1934.10.24.27, 1934.10.24.28. - **RMCA:** 16196, 16197, 1954h, 1954i, 1954j, 7588, 7589, 7590.
Neoromicia nana (Peters, 1852):
AMNH: 212579, 212580. - **BMNH:** 1927.12.21.11. - **FMNH:** 152772. - **RMCA:** 1954, 1954cc, 1954d, 1954e, 1954f, 1954g, 31567, 31568, 31569, 31571, 31574, 31575, 32657, 32666, 33961, 33962, 7552, 7553, 7554, 7555, 7556, 7557, 7558, 7559, 7560, 7561, 7562, 7563, 7564, 7565.
Neoromicia rendalli (Thomas, 1889):
AMNH: 86166. - **BMNH:** 1926.11.1.54, 1926.11.1.55, 1926.7.6.29, 1926.7.6.77, 1926.7.6.78. - **RMCA:** 31572, 32668, 33542, 33605, 7571, 7572, 7573, 7574, 7575, 7576, 7577, 7578, 7579, 7580, 7581, 7582, 7583, 7584, 7585, 7586.
Neoromicia tenuipinnis (Peters, 1872):
BMNH: 1927.12.21.12. - **RMCA:** 32667, 32773, 32774, 32775, 32776, 33540, 33541, 7569, 7587.
Nycteris grandis Peters, 1865:
BMNH: 1926.7.6.72, 1927.12.21.10, 1927.12.21.8.
Nycteris hispida (Schreber, 1774):
BMNH: 1926.11.1.26, 1926.11.1.27, 1926.7.6.73, 1926.7.6.74, 1926.7.6.76, 1927.12.21.9, 1934.10.24.18. - **FMNH:** 152456. - **RMCA:** 33601, 7545, 7568.
Nycteris macrotis Dobson, 1876:
BMNH: 1926.7.6.75. - **RMCA:** 7546.
Nycteris nana (K. Andersen, 1912):
RMCA: 33600.
Nycticeinops schlieffenii (Peters, 1859):
BMNH: 1926.7.6.112.

Pipistrellus Kaup, 1829:
RMCA: 33349.
Rhinolophus lobatus Peters, 1852:
BMNH: 1926.7.6.111.
Saccolaimus peli (Temminck, 1853):
BMNH: 1926.7.6.98. - **RMCA:** 7541.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 212597, 212598. - **RMCA:** 31566, 32669, 32670, 32671, 32672, 32769, 32770, 32771, 32772, 33310, 33311, 33312, 33313, 33314, 33315, 33316, 33317, 33318, 33319, 33380, 33381, 33382, 33595, 33649, 33650, 33651, 33652, 35287, 35288.
Stenonycteris lanosus (Thomas, 1906):
RMCA: 36250a.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
BMNH: 1926.11.1.24, 1926.11.1.25, 1926.7.6.97. - **MHNG:** 850.045. - **RMCA:** 1549, 33981, 33982, 7551

SE 05022Dc:

Casinycteris argynnis Thomas, 1910:
RMCA: 80.013-M-0003.
Eidolon helvum (Kerr, 1792):
MCZ: 31737.
Epomophorus dobsonii Bocage, 1889:
MCZ: 31738.
Epomops franqueti (Tomes, 1860):
RMCA: 79.022-M-0002, 80.013-M-0008, 80.013-M-0009, 80.013-M-0012, 80.020-M-0002.
Hypsignathus monstrosus H. Allen, 1862:
RMCA: 80.020-M-0003.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 78.020-M-0001.
Micropteropus pusillus (Peters, 1868):
RMCA: 80.013-M-0006.
Myonycteris torquata (Dobson, 1878):
RMCA: 79.022-M-0006, 80.020-M-0001.
Nycteris arge Thomas, 1903:
MCZ: 31739

SE 05023Ca:

Eidolon helvum (Kerr, 1792):
RMCA: 80.042-M-0001, 80.042-M-0002, 80.042-M-0003, 80.042-M-0004.
Epomops franqueti (Tomes, 1860):
RMCA: 80.042-M-0005, 80.042-M-0006

SE 05023Cb:

Hypsignathus monstrosus H. Allen, 1862:
RMCA: 30820.
Micropteropus pusillus (Peters, 1868):
RMCA: 84.035-M-0008

SE 05023Bb:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MCZ: 31736

SE 05027Ac:

Mops (Mops) condylurus (A. Smith, 1833):
HZM: 156.7822, 157.7823, 158.7824, 159.7825, 160.7826, 161.7827, 162.7828, 163.7829, 164.7830, 165.7831, 166.7832, 167.7833, 168.7834, 169.7835, 170.7836, 171.7837, 172.7838, 173.7839, 174.7840, 175.7841, 176.7842, 177.7843, 178.7844, 179.7845, 180.7846, 181.7847, 182.7848, 183.7849, 184.7850, 185.7851, 186.7852, 187.7853, 188.7854, 189.7855, 190.7856, 191.7857, 192.7858, 193.7859, 194.7860, 195.7861, 196.7862, 197.7863, 198.7864, 199.7865, 200.7866, 201.7867, 202.7868, 203.7869, 204.7870, 205.7871, 206.7872, 207.7873, 208.7874, 209.7875.
Neoromicia nana (Peters, 1852):
HZM: 209.7976, 210.7977, 211.7978, 212.7979, 213.7080, 214.7081, 215.7082, 216.7083, 217.7084, 218.7085, 219.7086, 220.7087, 221.7088, 222.7089, 253.8020, 254.8021.
Scotophilus nux Thomas, 1904:
HZM: 64.7806

SE 05028Dc:

Eidolon helvum helvum (Kerr, 1792):
AMNH: 118868.
Epomophorus minor Dobson, 1880:
AMNH: 118866, 118867.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 118865

SE 05029Aa:

Eidolon helvum (Kerr, 1792):
RMCA: 27113.
Rhinolophus willardi Kerbis Peterhans and Fahr, 2013:
FMNH: 195182

SE 05029Cc:

Chaerephon pumilus (Cretzschmar, 1826):
RBINS: 9071. - **RMCA:** 29305, 29306.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1955.1191. - **RMCA:** 22947.
Epomophorus minor Dobson, 1880:
RBINS: 9065, 9066.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 9067. - **RMCA:** 29298, 29299.
Miniopterus natalensis (A. Smith, 1833):
RMCA: 29303.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 29304.
Myotis bocagii (Peters, 1870):
RMCA: 422, 423.
Neoromicia nana (Peters, 1852):
RMCA: 23320, 29302, 421.
Neoromicia rendalli (Thomas, 1889):
RMCA: 28666.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 29300, 29301.
Scotophilus dinganii (A. Smith, 1833):
RBINS: 9069.
Scotophilus nigrita (Schreber, 1774):
AMNH: 206844, 212591, 212592, 212593, 212594, 212595, 212596. - **RBINS:** 14598. - **RMCA:** 22948, 29293, 29294, 29295, 29296, 29297, 31718, 33585, 33586

SE 06029Aa:

Coleura afra (Peters, 1852):
RBINS: 9062.1, 9062.2, 9062.3, 9062.4, 9062.5, 9062.6, 9062.7, 9062.8, 9062.9.
Macronycteris vittatus (Peters, 1852):
RBINS: 205b

SE 05032Aa:

Kerivoula argentata Tomes, 1861:
BMNH: 1962.987, 1962.988, 1962.989.
Nycteris macrotis Dobson, 1876:
BMNH: 1962.961, 1962.962, 1962.963, 1962.964, 1962.965

SE 05032Ba:

Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1966-178, ZM-MO-1966-179, ZM-MO-1966-180, ZM-MO-1966-181

SE 05032Da:

Epomophorus labiatus (Temminck, 1837):
HZM: 25.2973

SE 05032Bb:

Chaerephon pumilus (Cretzschmar, 1826):
HNHM: 2000.76.1.
Epomophorus dobsonii Bocage, 1889:
ZMB: A.239.10.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1922.7.17.17, 1922.7.17.20. - **LACM:** 31763, 31764, 31765.
Hipposideros fuliginosus (Temminck, 1853):
ZMB: 67697.
Hipposideros ruber (Noack, 1893):
ZMB: 67699, 67700, 67701.

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: T09841.
Scotophilus dinganii (A. Smith, 1833):
ZMB: T09842.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
LACM: 31782

SE 05034Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1924.1.1.29

SE 05034Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1924.1.1.30

SE 05034Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 25730, 25731, 25732, 25733

SE 05034Dd:

Chaerephon Dobson, 1874:
ZMA: MAM.22031, MAM.22032, MAM.22033, MAM.22035, MAM.22036, MAM.22037.
Hipposideros ruber (Noack, 1893):
ZMA: MAM.21989, MAM.21990.
Neoromicia nana (Peters, 1852):
ZMA: MAM.22034.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.21988

SE 05035Ab:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 45004.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ZMB: 45005

SE 05035Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMB: 11387.
Nycticeinops schlieffenii (Peters, 1859):
ZMB: 11405

SE 05035Cb:

Epomophorus dobsonii Bocage, 1889:
SMF: 62863, 66945

SE 05037Ac:

Neoromicia nana (Peters, 1852):
AMNH: 161309, 161310, 161311, 161312, 161313, 161314, 161315, 161316, 161317, 161318, 161319, 161320, 161321

SE 05037Ad:

Rhinolophus hildebrandtii Peters, 1878:
FMNH: 168321, 168322

SE 05038Ca:

Rhinolophus Lacépède, 1799:
RMCA: a6.016-M-6121.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 77936

SE 05038Ab:

Epomophorus Bennett, 1836:
FMNH: 182505.

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 147215, 150051, 150399, 150400. - **SMF:** 59546. - **ZMB:** 54593, 54595, 54662, 67064.
Glauconycteris argentata (Dobson, 1875):
FMNH: 147227.
Hipposideros caffer (Sundevall, 1846):
FMNH: 86674. - **ZMB:** 67668, 67669.
Kerivoula argentata Tomes, 1861:
ZMB: 67806.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 150090, 151454, 151455, 151456, 151457.
Myonycteris angolensis (Bocage, 1898):
FMNH: 147216, 147217, 147218, 147219, 147377, 147378, 147379, 147380, 147383, 147384, 147385, 150058, 150063, 150064, 150401, 150406, 150407, 151159.
Myonycteris relicta Bergmans, 1980:
FMNH: 147381, 147382, 151404. - **ZMB:** 54936, 54937.
Neoromicia nana (Peters, 1852):
FMNH: 151431, 151432, 151433, 151434. - **MHNG:** 921.017.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 147220, 147221, 147386, 147387.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 147229, 147231, 147232, 147233, 147234, 147398, 147402, 150080, 150081, 150082, 150083, 150416, 150420, 151435.
Rhinolophus Lacépède, 1799:
ZMB: 53855.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 147222, 147223, 147224, 147388, 147389, 147390, 147391, 147392, 147393, 147394, 150068, 150069, 150411, 150412, 150413.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 147226, 153752. - **ZMB:** 50039.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 147235, 150087, 150088, 150421, 150422, 151453

SE 05038Ba:

Cardioderma cor (Peters, 1872):
YPM: MAM 002143.
Chaerephon pumilus (Cretzschmar, 1826):
ZMB: T10519, T10520.
CHIROPTERA Blumenbach, 1779:
RMCA: a4.036-M-0507, a4.036-M-0509, a4.036-M-0510, a4.036-M-0512, a4.036-M-0513.
Coleura afra (Peters, 1852):
TM: 29271, 29273, 29274.
Eidolon helvum (Kerr, 1792):
BMNH: 1937.8.18.3, 1937.8.18.4.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1986.173. - **FMNH:** 150041, 150043, 150044, 150045, 150048, 150049, 150050, 150390, 150391, 150392, 150393, 150394, 150395, 150396, 150397, 150398, 151179, 151180, 151181, 151413. - **TM:** 14016, 14017. - **YPM:** MAM 002137, MAM 002138.
Glauconycteris argentata (Dobson, 1875):
FMNH: 151428.
Glauconycteris variegata (Tomes, 1861):
ZMB: 20574.
Hipposideros caffer (Sundevall, 1846):
MCZ: 22501, 22502. - **TM:** 14018, 29272, 29275. - **ZMB:** 67670, 67687.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
YPM: MAM 002144.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 150089, 150091, 151206, 151207.
Myonycteris angolensis (Bocage, 1898):
FMNH: 150055, 150056, 150057, 150059, 150060, 150061, 150062, 150402, 150403, 150404, 150405, 151388. - **ROM:** 36217. - **TM:** 16012. - **ZMB:** 67158.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
AMNH: 206670.
Myotis bocagii (Peters, 1870):
FMNH: 150075.
Neoromicia nana (Peters, 1852):
FMNH: 150078, 151436. - **MCZ:** 22519, 22520, 22521. - **TM:** 14011. - **ZMB:** 20575, 20576, 20577.
Nycteris grandis Peters, 1865:
AMNH: 206685. - **BMNH:** 1979.1678. - **FMNH:** 150065, 151185, 151416, 168092. - **ZMB:** T10521, T10522.
Nycteris hispida (Schreber, 1774):
TM: 16011.
Nycteris macrotis Dobson, 1876:
YPM: MAM 002136.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 22498. - **TM:** 29294. - **ZMB:** T09565.

Pipistrellus grandidieri (Dobson, 1876):
LACM: 31921. - **SMF:** 83617, 90889, 91234.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 150076, 150077.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 147225, 147395, 147396, 147397, 150066, 150070, 150071, 150410, 151192, 151418, 151419, 151420. - **SMF:** 91227, 91228. - **YPM:** MAM 002142.
Rhinolophus deckenii Peters, 1868:
FMNH: 150409.
Rhinolophus eloquens K. Andersen, 1905:
ZMB: 50027.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 150072, 151422. - **SMF:** 91237, 91238, 91239.
Rhinolophus rhodesiae Roberts, 1946:
FMNH: 150073, 150415. - **ZMB:** 50028.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 150052, 150054, 150408, 151158.
Scotophilus viridis (Peters, 1852):
FMNH: 150084, 150085

SE 05038Bc:

Epomophorus labiatus (Temminck, 1837):
ZMB: 54791.
Otomops martiensseni (Matschie, 1897):
SMF: 79542.
Rhinolophus hildebrandtii Peters, 1878:
SMF: 79632

SE 05038Da:

Kerivoula africana Dobson, 1878:
SMF: 79563.
Myotis bocagii (Peters, 1870):
SMF: 79573.
Neoromicia nana (Peters, 1852):
SMF: 79574.
Neoromicia somalica (Thomas, 1901):
SMF: 79583

SE 05038Bb:

Mimetillus moloneyi (Thomas, 1891):
FMNH: 183238.
Mops Lesson, 1842:
FMNH: 182547.
Myonycteris angolensis (Bocage, 1898):
MCZ: 38963, 38964, 38965, 38966, 38967, 38968, 38969, 38970, 38971.
Myotis bocagii (Peters, 1870):
SMF: 87309, 87310.
Neoromicia nana (Peters, 1852):
MCZ: 33193, 33194, 33195, 33196, 33197, 33198, 33199, 33200, 33201, 33202, 38995, 38996, 38997, 38998, 38999, 39049, 39050, 39051, 39052, 39053. - **ZMB:** 9133, 9134, 9135, 9136, 9137.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMUC: 3105, 3106, 3107, 3108, 3109, 3110, 3111, 3112, 3113, 3114, 3115, 3116, 3117, 3118, 3119, 3120.
Otomops martiensseni (Matschie, 1897):
ZMB: 97523.
Pipistrellus grandidieri (Dobson, 1876):
SMF: 82514.
Rhinolophus hildebrandtii Peters, 1878:
MCZ: 38982.
Rhinolophus rhodesiae Roberts, 1946:
MCZ: 38972, 38973, 38974, 38975, 38976, 38977, 38978, 38979, 38980, 38981

SE 05038Bd:

Epomophorus labiatus (Temminck, 1837):
HZM: 1.2892

SE 05038Dd:

Neoromicia rendalli (Thomas, 1889):
SMF: 79581

SE 05039Aa:

Cardioderma cor (Peters, 1872):
FMNH: 152531. - **ROM:** 68470, 68471, 77927, 77928, 77929, 77930, 77931, 77932, 78020, 78021, 78026, 78027, 78028, 91164. - **SMF:** 79531. - **USNM:** 351320.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1911-73 A, ZM-MO-1911-73 B. - **ROM:** 36462, 36463, 36464, 36465, 68377, 73246, 76173, 76177, 76178, 76179, 76180, 76181, 76182, 76183, 76184, 76185, 76186, 76187, 76188, 76189, 76190, 76191, 76192, 76193, 76194, 76195, 76196, 76197, 76198, 76199, 76200, 76201, 76202, 76203, 76204, 76205. - **ZMB:** 10109, 10110.
Coleura afra (Peters, 1852):
BMNH: 1939.242. - **CAS:** 12486, 12520. - **FMNH:** 197987, 197988, 197989, 197990, 197991, 197992, 197993, 197994, 197995, 197996, 197997, 197998, 197999, 198000, 198001, 198002, 198020, 198021, 198022, 198023, 198024, 198025, 198026, 198027, 198028, 198029, 198030, 198031, 198032, 86676, 86677, 86678, 86679, 86680, 86681, 86682, 86683, 86684, 86685, 86686, 86687, 86688, 86689, 86690, 86691, 86692, 86693, 86694, 86695, 86696, 86697, 86698, 86699, 86700, 86701, 86702, 86703, 86704, 86705, 86706, 86707. - **MCZ:** 38923, 38947, 38948, 38949, 38950, 38951, 38952, 38953, 38990, 38991, 49786, 49787, 49788, 49789, 49790, 49791, 49792, 49793, 49794, 49795, 49796, 49797, 49798, 49799, 49800, 49801, 49802, 49803, 49804, 49805, 49806. - **MNHN:** ZM-MO-1997-2065. - **NMK:** 7397, 7398, 7399, 7400, 7401, 7402. - **USNM:** 351181. - **ZMB:** 10136, 10137.
Eidolon helvum (Kerr, 1792):
FMNH: 150040.
Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-MO-1911-727. - **ROM:** 77980, 77981, 77982, 77983, 77984, 77985. - **USNM:** 351176, 351178.
Epomophorus minor Dobson, 1880:
LACM: 31753, 31755, 31756, 31757. - **ROM:** 68474, 77992, 77993, 77994, 77995, 77996, 77997, 77998, 77999, 78000. - **USNM:** 351180.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 152347, 152348. - **LACM:** 31744, 31746, 31747, 31748, 31749, 31750, 31751, 51444. - **ROM:** 38274, 38275, 68475, 68476, 77971, 77972, 77974, 77975, 77976, 77977, 77978, 77979, 77987, 77988, 77989, 77990, 77991. - **USNM:** 351173, 351174, 351175, 351177, 351179.
Hipposideros caffer (Sundevall, 1846):
ROM: 77864. - **ZMB:** 10107, 11395, 11396, 11397, 11398.
Kerivoula smithii Thomas, 1880:
ZMB: 10135.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1911-731 A, ZM-MO-1911-731 B.
Macronycteris vittatus (Peters, 1852):
AMNH: 207082. - **MCZ:** 38917, 38918, 38919, 38920, 38934, 38935, 38936, 38937, 38938, 38939, 38940. - **ROM:** 36320. - **USNM:** 351182, 351183. - **ZMB:** 10111.
Miniopterus minor Peters, 1867:
FMNH: 198003, 198004, 198005, 198006, 198007, 198008, 198009, 198010, 198011, 198012, 198013, 198033, 198034, 198035. - **MCZ:** 38946, 38992, 38993, 38994.
Miniopterus natalensis (A. Smith, 1833):
ZMB: T10117, T10118.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
MNHN: ZM-MO-1897-1532, ZM-MO-1897-1533.
Neoromicia nana (Peters, 1852):
ROM: 78326.
Neoromicia rendalli (Thomas, 1889):
ROM: 40341, 78197, 78198, 78199. - **USNM:** 351194.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1911-728. - **ZMB:** 10105.
Nycteris macrotis Dobson, 1876:
ROM: 78040.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 73235. - **ZMB:** 10102, 10103, 10104, 10106.
Rhinolophus deckenii Peters, 1868:
ROM: 77789.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 198014. - **MNHN:** ZM-MO-1966-184. - **ROM:** 77787, 77788, 83935. - **SMF:** 79633.
Rhinolophus maendeleo Kock, Csorba and Howell, 2000:
SMF: 79643.
Rhinolophus rhodesiae Roberts, 1946:
SMF: 85519.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-MO-1911-725A, ZM-MO-1911-725B, ZM-MO-1911-725C, ZM-MO-1911-725D, ZM-MO-1911-726A, ZM-MO-1911-726B, ZM-MO-1913-22. - **ROM:** 68473, 77973. - **ZMB:** 10128, 10129, 10130, 10226, 10228, 10229, 10230, 10231, 54369.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 152814, 152815. - **ROM:** 38279, 68464, 68465, 68466, 78811, 78812, 78813, 78814, 78815, 78816, 78817, 78818, 78819. - **USNM:** 351195, 351196, 351197, 351198.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1911-732. - **ZMB:** 7642.
Triaenops afer Peters, 1877:
AMNH: 207083. - **FMNH:** 152686, 197969, 197970, 197971, 197972, 197973, 197974, 197975, 197976, 197977, 197978, 197979, 197980, 197981, 197982, 197983, 197984, 197985, 197986, 198015, 198016, 198017, 198018, 198019, 63753, 63754, 86010, 86011, 86567, 86568, 86569, 86570, 86571, 86572, 86573, 86574, 86575, 86576, 86577, 86578, 86579,

86580, 86581, 86582, 86583, 86584, 86585, 86586, 86587, 86588, 86589. - **MCZ:** 38941, 38942, 38943, 38944, 38945, 38983, 38984, 38985, 38986, 38987, 38988, 38989, 49748, 49749, 49750, 49751, 49752, 49753, 49754, 49755, 49756, 49757, 49758, 49759, 49760, 49761, 49762, 49763, 49764, 49765, 49766, 49767, 49768, 49769, 49770, 49771, 49772, 49773, 49774, 49775, 49776, 49777, 49778, 49779, 49780, 49781, 49782, 49783, 49784, 49785. - **MNHN:** ZM-MO-1911-710, ZM-MO-1911-730 A, ZM-MO-1911-730 B, ZM-MO-1911-730 C, ZM-MO-1911-730 D, ZM-MO-1911-730 E, ZM-MO-1911-730 F, ZM-MO-1911-730 G, ZM-MO-1911-730 H, ZM-MO-1911-730 I, ZM-MO-1911-730 J, ZM-MO-1911-730 K, ZM-MO-1911-730 L, ZM-MO-1911-730 M, ZM-MO-1911-733, ZM-MO-1911-734, ZM-MO-1911-735, ZM-MO-1911-738. - **ROM:** 36332, 36333, 77895, 77896, 77897, 77898, 77899, 77900, 77901, 77902, 77903, 77904, 77905. - **USNM:** 351184, 351185, 351186, 351187, 351188, 351189, 351190, 351191, 351192, 351193

SE 05039Cc:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 33122, 33123, 33124, 33125, 33126.
Eidolon helvum (Kerr, 1792):
ZMB: 92345, 92346.
Neoromicia nana (Peters, 1852):
MCZ: 33129, 33130, 33131, 33132.
Rhinolophus deckenii Peters, 1868:
MCZ: 33127

SE 06039Aa:

Hipposideros caffer (Sundevall, 1846):
NMP: pb2624, pb2625.
Rhinolophus rhodesiae Roberts, 1946:
MCZ: 33133, 33134, 33135, 33136, 33137, 33138

SE 05039Cd:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 198094, 198095, 198096, 198154, 198155, 198156, 198157, 198158.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 198037, 198038, 198039, 198115, 198116. - **NMW:** 17496. - **ZMB:** A.76a07.
Hipposideros caffer (Sundevall, 1846):
FMNH: 198054, 198055, 198056, 198057, 198058, 198059, 198060, 198061, 198062, 198063, 198064, 198065, 198066, 198067, 198068, 198069, 198070, 198071, 198130, 198131, 198132, 198133, 198134, 198135, 198136, 198137, 198138, 198139, 198140, 198141, 198142, 198143, 198144.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 198040.
Triaenops afer Peters, 1877:
FMNH: 198145

SE 05039Ba:

Epomophorus wahlbergi (Sundevall, 1846):
MCZ: 33145.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MCZ: 33172, 33173, 33174, 33175

SE 05039Bc:

Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 67071, 67072.
Macronycteris vittatus (Peters, 1852):
MCZ: 33144.
Pteropus voeltzkowi Matschie, 1909:
BMNH: 1913.12.28.1, 1955.163, 1955.164, 1955.165. - **ZMB:** 88677, 88678, 88679, 88680, 88681

SE 05039Bb:

Eidolon helvum (Kerr, 1792):
MCZ: 39280, 39281.
Eidolon helvum helvum (Kerr, 1792):
ROM: 51055.
Hipposideros caffer (Sundevall, 1846):
FMNH: 192792, 192793, 192794, 192795, 192796, 192797, 192798, 192799, 192856.
Neoromicia nana (Peters, 1852):
MCZ: 33151, 33152, 33153, 33154, 33155.
Pteropus voeltzkowi Matschie, 1909:
BMNH: 1909.10.14.1, 1910.3.24.1, 1910.3.24.2, 1924.12.15.5, 1924.3.8.5, 1924.3.8.6. - **FMNH:** 192843, 192844. - **MCZ:** 21476, 22754, 22755. - **ROM:** 51056, 51057, 51134.
Rhinolophus deckenii Peters, 1868:
FMNH: 192782, 192783.

Rhinolophus fumigatus Rüppell, 1842:
MNHN: ZM-MO-1983-1930.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MCZ: 33168

SE 05039Bd:

Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1919.6.9.8.
Nycteris G. Cuvier and E. Geoffroy, 1795:
MCZ: 49155.
Pteropus voeltzkowi Matschie, 1909:
BMNH: 1924.3.8.7.
Rhinolophus deckenii Peters, 1868:
FMNH: 192781, 192847, 192848

SE 06053Aa:

Coleura seychellensis Peters, 1868:
BMNH: 1928.1.24.3

SE 06012Ab:

Chaerephon chapini J.A. Allen, 1917:
RBINS: 14535.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 20753, 20754, 20755, 20756, 20757, 20758, 20759, 20760, 20765, 20766, 20767, 20768, 20769, 20770, 20771, 20772, 20773, 20774, 20775, 20776, 20777, 20778, 21378, 21379, 21380, 21381, 21382, 21383. - **SMF:** 2527, 2528, 2529, 2530.
Eidolon helvum (Kerr, 1792):
CZL: 1900014.
Epomophorus wahlbergi (Sundevall, 1846):
MNHN: ZM-MO-1911-1565, ZM-MO-1911-1565A, ZM-MO-1911-1565B, ZM-MO-1911-1565C. - **RMCA:** 13303, 13304, 6539, 6540, 6541. - **SMF:** 2510.
Glauconycteris argentata (Dobson, 1875):
BMNH: 1954.863. - **RMCA:** 20751, 20752, 21376.
Hipposideros ruber (Noack, 1893):
RMCA: 21478, 21479.
Megaloglossus woermanni Pagenstecher, 1885:
SMF: 2513.
Mops (Xiphonycteris) thersites (Thomas, 1903):
RBINS: 15457.
Myopterus whitleyi (Scharff, 1900):
RBINS: 15459.
Neoromicia nana (Peters, 1852):
RMCA: 20525, 20526, 20527, 20749, 20763, 20764.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 21375.
Nycteris hispida (Schreber, 1774):
RMCA: 20750, 21377.
Rhinolophus lobatus Peters, 1852:
RMCA: 20746, 20747.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 20748, 21374. - **SMF:** 2515. - **ZMA:** MAM.09008.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 148, 148a, 148b, 21372, 21373

SE 06015Aa:

Chaerephon chapini J.A. Allen, 1917:
NHMZ: 62517

SE 06016Db:

Nycteris hispida (Schreber, 1774):
RMCA: 13699

SE 06017Ad:

Micropteropus pusillus (Peters, 1868):
RMCA: 77.012-M-0004, 77.021-M-0015, 77.031-M-0009

SE 06019Ba:

Hypsugo musciculus (Thomas, 1913):
MNHN: ZM-MO-1892-223

SE 06020Ad:

Hypsignathus monstrosus H. Allen, 1862:
RMCA: 83.025-M-0007.
Myonycteris torquata (Dobson, 1878):
RMCA: 83.025-M-0006, 83.025-M-0019

SE 06020Da:

CHIROPTERA Blumenbach, 1779:
RMCA: 16444.
Hipposideros ruber (Noack, 1893):
RMCA: 6561.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 16451, 16608.
Neoromicia nana (Peters, 1852):
RMCA: 6611, 6628, 6629, 6630, 6631, 6632, 6633, 7311, 7312

SE 06020Bd:

Eidolon helvum (Kerr, 1792):
RMCA: 6486, 6498, 6499, 6500.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 16231.
Hipposideros ruber (Noack, 1893):
RMCA: 6562.
Neoromicia nana (Peters, 1852):
RMCA: 6634, 7310.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 7255.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 6549, 6550, 6551, 6552, 6554

SE 06021Ac:

Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 79.032-M-0019.
Micropteropus pusillus (Peters, 1868):
RMCA: 79.032-M-0002, 79.032-M-0003, 79.032-M-0004, 79.032-M-0005

SE 06021Ab:

Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 79.032-M-0018.
Epomops franqueti (Tomes, 1860):
RMCA: 79.032-M-0001, 79.032-M-0016, 79.032-M-0017.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 79.032-M-0014.
Nycteris macrotis Dobson, 1876:
RMCA: 79.032-M-0013

SE 06022Ab:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 15376, 7171.
CHIROPTERA Blumenbach, 1779:
AMNH: 86139. - **RMCA:** 7120, 7170, 7173.
Eidolon helvum (Kerr, 1792):
RMCA: 7116, 7123, 7494b.
Eidolon helvum helvum (Kerr, 1792):
AMNH: 86229, 86230, 86231, 86232, 86233, 86234, 86235, 86236, 86237, 86238, 86239, 86240, 86241, 86242, 86243, 86244, 86245, 86246, 86247, 86248, 86249, 86250, 86253, 86254, 86260.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 86251, 86252, 86255, 86256, 86258, 86259.
Epomops franqueti (Tomes, 1860):
RMCA: 35797.
Glauconycteris argentata (Dobson, 1875):
RMCA: 15375, 7175.
Glauconycteris humeralis J.A. Allen, 1917:
AMNH: 86152.

Glauconycteris variegata (Tomes, 1861):
RMCA: 7118.
Hipposideros ruber (Noack, 1893):
AMNH: 86150, 86168, 86170. - **FMNH:** 152682.
Micropteropus pusillus (Peters, 1868):
AMNH: 86147, 86151, 86257. - **RMCA:** 7109, 7115.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
BMNH: 1926.7.6.109. - **RMCA:** 84.035-M-0015, 84.035-M-0019, 84.035-M-0022.
Mops (Xiphonycteris) nanulus J.A. Allen, 1917:
RMCA: 7114.
Mops (Xiphonycteris) spurrelli (Dollman, 1911):
AMNH: 86145.
Mops (Xiphonycteris) thersites (Thomas, 1903):
AMNH: 86101. - **RMCA:** 15398, 7172, 7176.
Myopterus whitleyi (Scharff, 1900):
AMNH: 86140, 86144, 86148, 86176.
Neoromicia capensis (A. Smith, 1829):
RMCA: 7117.
Neoromicia nana (Peters, 1852):
AMNH: 117649, 86142, 86153, 86154, 86155, 86156, 86157, 86158, 86159, 86160, 86161, 86162, 86163, 86164. - **BMNH:** 1934.10.24.19. - **RMCA:** 15373, 15379, 7107, 7169, 7174, 7181, 7182, 7183.
Neoromicia rendalli (Thomas, 1889):
AMNH: 212581, 212582, 212583, 212584, 212585, 212586, 212587, 212588, 212589, 212590, 86146, 86165, 86167. - **RMCA:** 33352, 33353, 33354, 33355, 33356, 33357, 33358, 33359, 33596, 33597, 33598, 7177, 7179, 7180, 7184, 7185.
Neoromicia tenuipinnis (Peters, 1872):
AMNH: 86141, 86149, 86169, 86173, 86174.
Nycteris hispida (Schreber, 1774):
AMNH: 86143, 86172, 86175, 86177. - **RMCA:** 7113.
Nycteris macrotis Dobson, 1876:
RMCA: 7108.
Nycteris nana (K. Andersen, 1912):
RMCA: 7178.
Saccolaimus peli (Temminck, 1853):
AMNH: 86261.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 152836, 152837. - **RMCA:** 7110, 7111, 7112, 7119.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 86171. - **RMCA:** 15371, 15372. - **WNMU:** 2944

SE 06022Da:

Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 22819, 22820.
Micropteropus pusillus (Peters, 1868):
RMCA: 26274.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 26303.
Rhinolophus lobatus Peters, 1852:
RMCA: 26279.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 26928

SE 06022Db:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 33372, 33375, 33378, 33379.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 33373, 33374, 33376, 33377.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 33389.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 33383, 33384, 33385, 33386, 33387, 33388

SE 06023Cb:

Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 79.032-M-0015.
Micropteropus pusillus (Peters, 1868):
RMCA: 79.032-M-0006, 79.032-M-0007, 79.032-M-0008, 79.032-M-0009

SE 06023Ba:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 152992.

Hipposideros ruber (Noack, 1893):
FMNH: 152683.
Macronycteris gigas (Wagner, 1845):
FMNH: 152633, 152634.
Miniopterus inflatus rufus Sanborn, 1936:
FMNH: 152883, 152884

SE 06023Da:

Epomophorus wahlbergi (Sundevall, 1846):
RBINS: 13329

SE 06023Dc:

Epomophorus labiatus (Temminck, 1837):
RMCA: 35276, 35279, 35282, 35283, 35284, 35285.
Micropteropus pusillus (Peters, 1868):
RMCA: 35278, 35280

SE 06023Dd:

Casinycteris argynnis Thomas, 1910:
RMCA: 84.035-M-0001, 84.035-M-0002.
Epomophorus minor Dobson, 1880:
RBINS: 14599.
Epomophorus wahlbergi (Sundevall, 1846):
RBINS: 13108.
Epomops franqueti (Tomes, 1860):
RMCA: 84.035-M-0023.
Myonycteris torquata (Dobson, 1878):
RMCA: 84.035-M-0004, 84.035-M-0006.
Rhinolophus lobatus Peters, 1852:
RBINS: 14505, 14506

SE 06024Ab:

Micropteropus pusillus (Peters, 1868):
RMCA: 18148.
Rhinolophus lobatus Peters, 1852:
RMCA: 18149

SE 06024Db:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 22955a, 22955b, 22955c

SE 06026Bb:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 29429. - **RMCA:** 9164, 9165, 9167, 9168, 9169, 9170, 9171, 9172, 9904.
Hipposideros caffer (Sundevall, 1846):
RMCA: 9166.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RMCA: 9173, 9174, 9175.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 16249

SE 06026Dd:

Nycteris hispida (Schreber, 1774):
HZM: 45.7852

SE 06029Cb:

Hipposideros ruber (Noack, 1893):
RMCA: 8854, 8855, 9178

SE 06029Da:

Macronycteris vittatus (Peters, 1852):
ZMB: 6312.
Otomops martiensseni (Matschie, 1897):
NMZL: 3395.

Rhinolophus hildebrandtii Peters, 1878:
NMZL: 3396.
Rhinolophus lobatus Peters, 1852:
RMCA: 22127

SE 06029Dc:

Glauconycteris variegata (Tomes, 1861):
INPBC: 14517, 14518. - **RBINS:** 14517, 14518.
Hipposideros ruber (Noack, 1893):
RMCA: a7.006-M-0005, a7.006-M-0006.
Miniopterus natalensis (A. Smith, 1833):
RMCA: a2.040-M-0001, a7.006-M-0007, a7.006-M-0008, a7.006-M-0009, a7.006-M-0010, a7.006-M-0011.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: a7.006-M-0001.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: a7.006-M-0002, a7.006-M-0003, a7.006-M-0004

SE 06029Bb:

Chaerephon pusillus (Miller, 1902):
FMNH: 193239.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 177847.
Neoromicia tenuipinnis (Peters, 1872):
FMNH: 193238.
Pipistrellus Kaup, 1829:
FMNH: 177758.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 177856.
Taphozous perforatus perforatus E. Geoffroy St.-Hilaire, 1818:
FMNH: 177755, 177756, 177757, 177848, 177849, 177850, 177851, 177852, 177853, 177854, 177855

SE 06030Cb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 22423, 22424, 22425, 22426, 22427, 22428, 22429, 22431, 22432

SE 06030Cd:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 86656.
Macronycteris vittatus (Peters, 1852):
ZMB: T09962.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 86614, 86615, 86616, 86617, 86618, 86619, 86620, 86621, 86622, 86623, 86624, 86625, 86626, 86627, 86628, 86629.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 86675.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 86708, 86709, 86710, 86711, 86712

SE 06031Cd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 54498, 67862, 67873, 67876

SE 06036Ab:

Rhinolophus hildebrandtii Peters, 1878:
MCZ: 22790, 22791

SE 06036Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1470.
Scotophilus dinganii (A. Smith, 1833):
ROM: 62170, 62171

SE 07036Ab:

Scotophilus dinganii (A. Smith, 1833):
ZFMK: 1959.0169, 1959.0170

SE 06036Bc:

Rhinolophus eloquens K. Andersen, 1905:
ZMB: 50023

SE 06036Da:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1472

SE 06036Dc:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 197515.
Neoromicia nana (Peters, 1852):
FMNH: 198207.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 197803.
Rhinolophus blasii Peters, 1867:
FMNH: 197516.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 197517, 197800.
Rhinolophus deckenii Peters, 1868:
FMNH: 197801, 197802.
Rhinolophus simulator K. Andersen, 1904:
FMNH: 197799

SE 06036Db:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 199497

SE 06036Dd:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 55536, 55537, 55538. - **MCZ:** 20608, 20609, 20610, 20611, 20612, 20613, 20614, 20615, 22823, 22824, 22827, 22828, 23104, 23105, 23106, 23107, 23108, 23110.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1924.1.1.8, 1924.1.1.9. - **HZM:** 23.2779, 24.2830. - **ROM:** 35313. - **ZFMK:** 1964.0003.
Epomophorus minor Dobson, 1880:
AMNH: 55542, 55543. - **FMNH:** 29430. - **HZM:** 24.2779.
Glauconycteris argentata (Dobson, 1875):
AMNH: 55544, 55545, 55546, 55547, 55548, 55549, 55550. - **FMNH:** 29031, 48745, 48746, 48747, 48748, 48749, 48750, 48751. - **MCZ:** 22814, 22815. - **ROM:** 78357. - **USNM:** 297476, 297477, 297478.
Glauconycteris variegata (Tomes, 1861):
MCZ: 22813.
Hipposideros caffer (Sundevall, 1846):
AMNH: 55572, 55573, 55574, 55575. - **FMNH:** 48712, 48713. - **KU:** 79288. - **MCZ:** 20626, 20627, 20628, 20629, 20630, 20631, 20632, 20633, 20634, 20635, 20636, 22800, 22801, 22802, 22803, 22804, 22805, 22806, 22807, 22808, 23111, 23113. - **USNM:** 297471, 297472.
Hipposideros ruber (Noack, 1893):
FMNH: 27293. - **MCZ:** 22793, 22794, 22795.
Macronycteris vittatus (Peters, 1852):
MCZ: 22787.
Neoromicia nana (Peters, 1852):
MCZ: 22809.
Nycteris grandis Peters, 1865:
SMF: 19459.
Nycteris hispida (Schreber, 1774):
BMNH: 1978.1643. - **MCZ:** 22789.
Nycteris macrotis Dobson, 1876:
BMNH: 1924.1.1.15, 1924.1.1.16. - **KU:** 150742.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 55577, 55578. - **BMNH:** 1924.1.1.27, 1924.1.1.28. - **FMNH:** 48760, 48761, 48762, 48763. - **KM:** 1667, 1668. - **MCZ:** 22783, 22784. - **USNM:** 297473.
Rhinolophus lobatus Peters, 1852:
MCZ: 22792.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 55539, 55540, 55541. - **FMNH:** 153076, 153077

SE 06037Cc:

Kerivoula argentata Tomes, 1861:
NMW: 10297

SE 06037Cd:

Nycteris grandis Peters, 1865:
BMNH: 1923.8.2.1

SE 06037Ba:

Epomophorus labiatus (Temminck, 1837):
FMNH: 77487, 77489.
Epomophorus minor Dobson, 1880:
FMNH: 77488.
Myonycteris angolensis (Bocage, 1898):
FMNH: 161263, 161368.
Rhinolophus Lacépède, 1799:
FMNH: 161265.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 161264

SE 06037Da:

Nycteris macrotis Dobson, 1876:
RMCA: 96.037-M-7174

SE 06037Dc:

Chaerephon pumilus (Cretzschmar, 1826):
HNHM: 72.15.1. - **RMCA:** a4.036-M-0496, a4.036-M-0497, a4.036-M-0498, a4.036-M-0499, a4.036-M-0500, a4.036-M-0517. - **YPM:** MAM 002140.
CHIROPTERA Blumenbach, 1779:
RMCA: a4.036-M-0501, a4.036-M-0502, a4.036-M-0503, a4.036-M-0504, a4.036-M-0505, a4.036-M-0508, a4.036-M-0514.
Epomophorus Bennett, 1836:
MCZ: 22776, 22777.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1922.7.12.21, 1922.7.17.10, 1922.7.17.12, 1922.7.17.13, 1922.7.17.14, 1924.1.1.10. - **CM:** 57665. - **HNHM:** 72.14.1, 72.14.2, 72.14.3, 72.14.4, 72.14.5, 72.14.6, 72.14.7. - **MCZ:** 22775. - **NMBE:** 458/63. - **RMCA:** a4.036-M-0515. - **SMF:** 66939. - **USNM:** 297468. - **ZFMK:** 1961.0081, 1961.0082, 1961.0083.
Epomophorus minor Dobson, 1880:
BMNH: 1902.4.1.1.10, 1922.7.17.11, 1922.7.17.15, 1922.7.17.21.
Epomophorus wahlbergi (Sundevall, 1846):
MCZ: 22771, 22773. - **YPM:** MAM 002139.
Glauconycteris argentata (Dobson, 1875):
AMNH: 42201, 42205. - **MCZ:** 22816, 22817.
Kerivoula africana Dobson, 1878:
ZMB: 7639.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
AMNH: 42202. - **HNHM:** 95.46.2. - **MCZ:** 22778, 22779.
Myonycteris angolensis (Bocage, 1898):
FMNH: 183249.
Myonycteris relicta Bergmans, 1980:
RMCA: a4.036-M-0518, a4.036-M-0519, a4.036-M-0520.
Neoromicia nana (Peters, 1852):
MCZ: 22810, 22811. - **USNM:** 219331, 219332.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 158488, 158489, 158490.
Nycteris macrotis Dobson, 1876:
USNM: 219329, 219330.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 42203, 42204. - **BMNH:** 1974.580, 1974.581. - **FMNH:** 158336. - **HNHM:** 95.46.1. - **MCZ:** 22785, 22786.
Rhinolophus Lacépède, 1799:
FMNH: 158338, 158340, 158491.
Rhinolophus deckenii Peters, 1868:
FMNH: 158492.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 158339. - **SMF:** 57321.
Scotophilus viridis (Peters, 1852):
BMNH: 1922.7.17.75.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MCZ: 22796, 22797

SE 06037Dd:

Myonycteris angolensis (Bocage, 1898):
FMNH: 183245, 183255, 183256, 183257.
Myotis welwitschii (Gray, 1866):
ZMB: ?, 54653

SE 06038Cc:

Epomophorus labiatus (Temminck, 1837):
SMNS: 5980, 5983. - **ZFMK:** 1956.0909, 1959.0158.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
SMF: 29031.
Nycteris macrotis Dobson, 1876:
ZFMK: 1959.0163.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
SMF: 29026

SE 07038Aa:

Hipposideros ruber (Noack, 1893):
ZMB: 89571

SE 06038Ba:

Neoromicia capensis (A. Smith, 1829):
SMF: 79585.
Neoromicia somalica (Thomas, 1901):
SMF: 79584

SE 06038Bd:

Chaerephon bivittatus (Heuglin, 1861):
ZMB: T09281.
Eidolon helvum helvum (Kerr, 1792):
MNHN: ZM-MO-1881-290, ZM-MO-1881-291.
Epomophorus labiatus (Temminck, 1837):
RMNH: MAM.08697, MAM.08698, MAM.08699, MAM.08700, MAM.08703, MAM.08705, MAM.08708, MAM.08709, MAM.08711, MAM.15804, MAM.15805, MAM.15806, MAM.15807, MAM.15809, MAM.15810, MAM.15811, MAM.15813, MAM.15950, MAM.15952, MAM.15954, MAM.16495, MAM.16496, MAM.16626, MAM.16627, MAM.16794, MAM.16795, MAM.16797, MAM.16798, MAM.16800, MAM.16801, MAM.16802, MAM.16804, MAM.16805, MAM.16806, MAM.16807, MAM.26315, MAM.26317, MAM.26318, MAM.26319. - **ZMB:** 5601.
Epomophorus minor Dobson, 1880:
BMNH: 1890.6.8.12, 1890.6.8.13.
Epomophorus wahlbergi (Sundevall, 1846):
RMNH: MAM.08695, MAM.08696.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 54330, 5592, 67835, 67847, 67848, 67850, 67856, 67858, 67859, 67864, 67865.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-1877-618. - **ZMB:** 54673.
Mops (Mops) condylurus (A. Smith, 1833):
RMNH: MAM.25916, MAM.25918, MAM.25920, MAM.8855, MAM.8867, MAM.8869, MAM.8873, MAM.8875, MAM.8876, MAM.8880, MAM.8881, MAM.8882. - **ZMB:** T09401.
Neoromicia nana (Peters, 1852):
ZMB: 5591.
Nycteris aurita (K. Andersen, 1912):
BMNH: 1964.1357.
Nycteris grandis Peters, 1865:
RMNH: MAM.VB16. - **SMNS:** 2119f.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1881-293, ZM-MO-1881-294, ZM-MO-1881-295, ZM-MO-1881-296, ZM-MO-1881-297, ZM-MO-1881-298, ZM-MO-1881-299, ZM-MO-1881-300, ZM-MO-1881-301, ZM-MO-1881-302.
Nycteris macrotis Dobson, 1876:
BMNH: 1964.1356. - **RMNH:** MAM.15946.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMNH: MAM.15790, MAM.15792, MAM.15793, MAM.15794, MAM.15795, MAM.15796, MAM.15797, MAM.15936, MAM.15937, MAM.15938, MAM.15939, MAM.15940, MAM.15941, MAM.15942, MAM.15943, MAM.15944, MAM.15945, MAM.16629, MAM.25912. - **ZMB:** T09283.
Pipistrellus rueppellii (Fischer, 1829):
ZMH: 269?.
Scotophilus dinganii (A. Smith, 1833):
RMNH: MAM.15932.
Scotophilus viridis (Peters, 1852):
ZMB: 62427

SE 06038Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1404, 1964.1405

SE 06038Dd:

Epomophorus labiatus (Temminck, 1837):
NMBE: 457/63.
Macronycteris vittatus (Peters, 1852):
FMNH: 182568.
Neoromicia nana (Peters, 1852):
ZFMK: 1961.0108, 1961.0109, 1961.0110, 1961.0111, 1961.0112, 1961.0113, 1961.0114, 1961.0115, 1961.0116.
Nycteris aurita (K. Andersen, 1912):
ZFMK: 1961.0089, 1961.0091, 1961.0092, 1961.0105.
Nycteris macrotis Dobson, 1876:
ZFMK: 1961.0090, 1961.0093, 1961.0098, 1961.0099, 1961.0100, 1961.0101, 1961.0102, 1961.0103, 1961.0104, 1961.0150, 1961.0151, 1961.0152.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZFMK: 1961.0087, 1961.0088, 1961.0094.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 182567

SE 06039Aa:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 59863, 59864, 59865, 59866.
Eidolon helvum (Kerr, 1792):
MCZ: 3294, 3295, 3296, 3298, 3302, 3304.
Nycteris macrotis Dobson, 1876:
BMNH: 1955.273, 1956.198, 1956.199, 1956.200, 1956.201, 1956.202.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1955.277, 1955.278, 1955.279. - **FMNH:** 198085, 198086, 198087, 198088, 198089, 198090, 198146, 198147, 198148

SE 06039Ac:

Nycteris grandis Peters, 1865:
BMNH: 1955.263, 1955.264

SE 06039Cc:

Chaerephon pumilus (Cretzschmar, 1826):
KU: 89945, 89946, 89947, 89948, 89949, 89951, 89952, 89953, 89954, 89955, 89956, 89957.
Epomophorus labiatus (Temminck, 1837):
ZFMK: 1961.0079, 1961.0080.
Epomophorus wahlbergi (Sundevall, 1846):
ZFMK: 1961.0075, 1961.0076.
Hipposideros caffer (Sundevall, 1846):
KU: 89944. - **USNM:** 536189.
Hipposideros ruber (Noack, 1893):
BMNH: 1973.26. - **FMNH:** 154808. - **MCZ:** 57543, 57544. - **TM:** 41209, 41210, 41211, 41212. - **TTU:** 42405, 42406. - **USNM:** 519683, 519684, 519685, 519686, 534061, 534062, 534063, 534064, 534065, 534066, 534067, 534068, 534069, 534070, 534071, 534072, 534073, 534074, 534075, 534076, 534077, 534078, 534079, 534080, 534081, 534082, 534083, 534084, 534085, 534086, 534087, 534088, 534089, 534090, 534091, 534092, 534093, 534094, 534095, 534096, 534097, 534098, 534099, 534100, 534101, 534102, 534103, 534104, 534105, 534106, 534107, 534108, 534109, 534110, 534111, 534112, 534113, 534114, 534115, 534116, 534117, 534118, 534119, 534120, 534121, 534122, 534123, 534124, 534125, 534126, 534127, 534128, 534129, 534130, 534131, 534132, 534133, 534134, 534135, 534136, 534137, 534138, 534139, 534140, 534141, 534142, 534143, 534144, 534145, 534146, 534147, 534148, 534149, 534150, 534151, 534152, 534153, 534154, 534155, 534156, 534157, 534158, 534159, 534160, 534161, 534162, 534163, 534164, 534165, 534166, 534167, 534168, 534169, 534170, 534171, 534172, 534173, 534174, 534175, 534176, 534177, 534178, 534179, 534180, 534181, 534182, 534183, 534184, 534185, 534186, 534187, 534188, 534189, 534190, 534191, 534192, 534193, 534194, 534195, 534196, 534197, 534198, 534199, 534200, 534201, 534202, 534203, 534204, 534205, 534206, 534207, 534208, 534209, 534210, 534211, 534212, 534213, 534214, 534215, 534216, 534217, 534218, 534219, 534220, 534741, 534742, 534743, 534744, 534745, 534746, 534747, 534748, 534749, 534750, 534751, 534752, 534753, 534754, 534755, 534756, 534757, 534758, 534759, 534760, 534761, 534762, 534763, 534764, 534765, 534766, 534767, 534768, 534769, 534770, 534771, 534772, 534773, 534774, 534775, 534776, 534777, 534778, 534779, 534780, 534781, 534782, 534783, 534784, 534785, 534786, 534787, 534788, 534789, 534790, 534791, 534792, 534793, 534794, 534795, 534796, 534797, 534798, 534799, 534800, 534801, 534802, 534803, 534804, 534805, 536190, 536191, 536192, 536193, 536194, 536195, 536196, 536197, 536198, 536199, 536200, 536201, 536202, 536203, 536204, 536205, 536206, 536207, 536208, 536209, 536210, 536211, 536212, 536213, 536214, 536215, 536216, 536217, 536218, 536219, 536220, 536221, 536222, 536223, 536224, 536225, 536226, 536227, 536228, 536229, 536230, 536231, 536232, 536233, 536234, 536235, 536236, 536237, 536238, 536239, 536240, 536241, 536242, 536243, 536244, 536245, 536246, 536247, 536248, 536249, 536250, 536251, 536252, 536253, 536254, 536255, 536256, 536257, 536258, 536259, 536260, 536261, 536262, 536263, 536264, 536265, 536266, 536267, 536268, 536269, 536270, 536271, 536272, 536273, 536274, 536275, 536276, 536277, 536278, 536279, 536280, 536281, 536282, 536283, 536284, 536285, 536286, 536287, 536288, 536289, 536290, 536291, 536292, 536293, 536294, 536295, 536296, 536297, 536298, 536299, 536300, 536301, 536302, 536303, 536304, 536305, 536306, 536307, 536308, 536309, 536310, 536311, 536312, 536313, 536314, 536315, 536316, 536317, 536318, 536319, 536320, 536321, 536322, 536323, 536324, 536325, 536326, 536327, 536328, 536329, 536330, 536331, 536332, 536333, 536334, 536335, 536336, 536337, 536338, 536339, 536340, 536341, 536342, 536343, 536344, 536345, 536346, 536347, 536348, 536349, 536350, 536351, 536352,

536353, 536354, 536355, 536356, 536357, 536358, 536359, 536360, 536361, 536362, 536363, 536364, 536365, 536366, 536367, 536368, 536369, 536370, 536371, 536372, 536373, 536374, 536375, 536376, 536377, 536378, 536379, 536380, 536402, 536403, 536404, 536405, 536451, 536452, 536453, 536454, 536455, 536456, 536457, 536458, 536459, 536460, 536461, 536462, 536463, 536464, 536465, 536466, 536467, 536468, 536469, 536470, 536471, 536472, 536473, 536474, 536475, 536476, 536477, 536478, 536479, 536480, 536481, 536482, 536483, 536484, 536485, 536486, 536487, 536488, 536489, 536490, 536491, 536492, 536493, 536494, 536495, 536496, 536497, 536498, 536499, 536500, 536501, 536502, 536503, 536504, 536505, 536506, 536507, 536508, 536509, 536510, 536511, 536512, 536513, 536514, 536515, 536516, 536517, 536518, 536519, 536520, 536521, 536522, 536523, 536524, 536525, 536526, 536527, 536528, 536529, 536530, 536531, 536532, 536533, 536534, 536535, 536536, 536537, 536538, 536539, 536540, 536541, 536542, 536543, 536544, 536545, 536546, 536547, 536548, 536549, 536550, 536551, 536552, 536553, 536554, 536555, 536556, 536557, 536558, 536559, 536560, 536561, 536562, 536563, 536564, 536565, 536566, 536567, 536568, 536569, 536570, 536571, 536572, 536573, 536574, 536575, 536576, 536577, 536578, 536579, 536580, 536581, 536582, 536583, 536584, 536585, 536586, 536587, 536588, 536589, 536590, 536591, 536592, 536593, 536594, 536595, 536596, 536597, 536598, 536599, 536600, 536601, 536602, 536603, 536604, 536605, 536606, 536607, 536608, 536609, 536610, 536611, 536612, 536613, 536614, 536615, 536616, 536617, 536618, 536619, 536620, 536621, 536622, 536623, 536624, 536625, 536626, 536627, 536628, 536629, 536630, 536631, 536632, 536633, 536634, 536635, 536636, 536637, 536638, 536639, 536640, 536641, 536642, 536643, 536644, 536645, 536646, 536647, 536648, 536649, 536650, 536651, 536652, 536653, 536654, 536655, 536656, 536657, 536658, 536659, 536660, 536661, 536662, 536663, 536664, 536665, 536666, 536667, 536668, 536669, 536670, 536671, 536672, 536673, 536674.

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
TM: 2049.

Macronycteris vittatus (Peters, 1852):
FMNH: 182545. - **TM:** 2048.

Neoromicia capensis (A. Smith, 1829):
SMF: 79587, 79588.

Neoromicia nana (Peters, 1852):
FMNH: 182546. - **SMF:** 79575.

Nycteris grandis Peters, 1865:
FMNH: 67888.

Nycteris hispida (Schreber, 1774):
BMNH: 1920.6.10.7. - **KU:** 139022, 89940, 89941, 89942.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1972.814, 1972.814_1, 1972.814_2, 1972.815. - **KU:** 89943. - **USNM:** 536139, 536140, 536141, 536142, 536143, 536144, 536145, 536146, 536147, 536148, 536149, 536150, 536151, 536152, 536153, 536154, 536155, 536156, 536157, 536158, 536159, 536160, 536161, 536162, 536163, 536164, 536165, 536166, 536167, 536168, 536169, 536170, 536171, 536172, 536173, 536174, 536175, 536176, 536177, 536178, 536179, 536180, 536181, 536182, 536183, 536184, 536185, 536186, 536187, 536188, 536675, 536676, 536677, 536678, 536679. - **ZMUC:** 3121, 3122, 3123, 3124, 3125, 3126, 3127, 3128, 3129, 3130.

Rhinolophus lobatus Peters, 1852:
USNM: 536680, 536681, 536682, 536683, 536684, 536685, 536686, 536687.

Scotophilus dinganii (A. Smith, 1833):
KU: 134602, 89939.

Scotophilus viridis (Peters, 1852):
ZFMK: 1961.0106.

Triaenops afer Peters, 1877:
FMNH: 154738, 154739, 154740, 154741, 154742, 154743, 154744, 154745, 154746, 154747, 154748, 154749, 154750, 154751, 154752, 154753, 154754, 154755, 154756, 154757, 154758, 154759, 154760, 154761, 154762, 154763, 154764, 154765, 154766, 154767, 154768, 154769, 154770, 154771, 154772, 154773, 154774, 154775, 154776, 154777, 154778, 154779, 154780, 154781, 154782, 154783, 154784, 154785, 154786, 154787, 154788, 154789, 154790, 154791, 154792, 154793, 154794, 154795, 154796, 154797, 154798, 154799, 154800, 154801, 154802, 154803, 154804, 154805, 154806, 154807, 154809, 158183, 158184, 158185, 158186, 158187, 158188, 158189, 158190, 158191, 158192, 158193, 158194, 158195, 158196, 158197, 158198, 158199, 158200, 158201, 158202, 158203, 158204, 158205, 158206, 158207, 158208, 158209, 158210, 158211, 158212, 158213, 158214, 158215, 158216, 158217, 158218, 158219, 158220, 158221, 158222, 158223, 158224, 158225, 158226, 158227, 158228, 158229, 158230, 158231, 158232, 158233, 158234, 158235, 158236, 158237, 158238, 158239, 158240, 158241, 158242, 158243, 158244, 158245, 158246, 158247, 158248, 158249, 158250, 158251, 158252, 158253, 158254, 158255, 158256, 158257, 158258, 158259, 158260, 158261, 158262, 158263, 158264, 158265, 158266, 158267, 158268. - **USNM:** 536381, 536382, 536383, 536384, 536385, 536386, 536387, 536388, 536389, 536390, 536391, 536392, 536393, 536394, 536395, 536396, 536397, 536398, 536399, 536400, 536401, 536689, 536690, 536691, 536692, 536693, 536694, 536695, 536696, 536697, 536698, 536699, 536700, 536701, 536702, 536703, 536704, 536705, 536706, 536707, 536708

SE 06039Ab:

Asellia tridens (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-843.

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 198091, 198092, 198093, 198149, 198150, 198151, 198152, 198153.

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 8832, 8833. - **USNM:** 174672, 174673, 174674, 174675, 174676, 174677, 17899. - **ZMB:** 3259, 3490, T09285, T09626.

Eidolon helvum (Kerr, 1792):
MCZ: 1061, 22767, 3303. - **MNHN:** ZM-MO-1884-1517, ZM-MO-1884-1518, ZM-MO-1884-1522, ZM-MO-1884-1526, ZM-MO-1975-806, ZM-MO-1975-811, ZM-MO-1975-819, ZM-MO-1975-828, ZM-MO-1975-829, ZM-MO-1975-934, ZM-MO-1975-935, ZM-MO-1975-936, ZM-MO-1975-937. - **USNM:** 174671.

Eidolon helvum helvum (Kerr, 1792):
ROM: 51054.

Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-MO-1881-2197. - **RBINS:** 187gamma. - **ZMB:** 5550.
Epomophorus minor Dobson, 1880:
BMNH: 1879.9.12.4. - **RBINS:** 1878. - **USNM:** 14536.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1909.1.4.5. - **MCZ:** 21477, 21478. - **RBINS:** 187, 187B. - **USNM:** 174678. - **ZMB:** 10000, 10001, 10002, 2957, 9996.
Hipposideros caffer (Sundevall, 1846):
FMNH: 198072, 198073, 198074, 198075, 198076, 198077, 198078, 198079, 198080. - **NMP:** pb2632. - **USNM:** 174680.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
MCZ: 1138, 1139. - **ZMB:** 3265, 67877, 67898.
Macronycteris vittatus (Peters, 1852):
MCZ: 3297, 3299, 3300, 3301. - **MNHN:** ZM-MO-1864-436, ZM-MO-1891-270, ZM-MO-1985-492. - **SMF:** 81197. - **USNM:** 174679. - **ZMB:** 2608.
Miniopterus minor Peters, 1867:
FMNH: 198097, 198098, 198099, 198100, 198101, 198102, 198103, 198105, 198106, 198107, 198108, 198159, 198160, 198161, 198162, 198163, 198164, 198165, 198166, 198167, 198168, 198169, 198170, 198171, 198172. - **ZMB:** 3268.
Myonycteris angolensis (Bocage, 1898):
FMNH: 198114.
Myotis Kaup, 1829:
MNHN: ZM-MO-1884-1538, ZM-MO-1884-1539.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1890-212, ZM-MO-1890-213.
Nycteris grandis Peters, 1865:
BMNH: 1879.9.12.6. - **RBINS:** 200.
Nycteris hispida (Schreber, 1774):
MNHN: ZM-MO-1890-214.
Nycteris macrotis Dobson, 1876:
BMNH: 1879.9.12.5, 1909.1.4.26. - **MCZ:** 3859, 3860. - **MNHN:** ZM-MO-1864-427, ZM-MO-1864-427A, ZM-MO-1864-427B, ZM-MO-1881-1 bis, ZM-MO-1881-2, ZM-MO-1881-3, ZM-MO-1881-4.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1956.194. - **MNHN:** ZM-MO-1884-1527, ZM-MO-1884-1528, ZM-MO-1884-1532, ZM-MO-1884-1533. - **ZMB:** 3267, T09429.
Pipistrellus grandidieri (Dobson, 1876):
MNHN: ZM-MO-1996-2129.
Pipistrellus rueppellii pulcher (Dobson, 1875):
BMNH: 1868.12.22.3.
Pteropus niger (Kerr, 1792):
ZMB: 38838.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
MCZ: 2867.
Rhinolophus Lacépède, 1799:
FMNH: 198049, 198123, 198124, 198125, 198126, 198127.
Rhinolophus deckenii Peters, 1868:
FMNH: 198046, 198048, 198050, 198051. - **ZMB:** 3269.
Rhinolophus maendeleo Kock, Csorba and Howell, 2000:
FMNH: 198047.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 198041, 198042, 198043, 198044, 198045, 198104, 198117, 198118, 198119, 198120, 198121, 198122. - **ZMB:** 67232.
Scotophilus Leach, 1821:
ZMB: 3266, T10637.
Scotophilus viridis (Peters, 1852):
ZMB: 3087.
Tadarida lobata (Thomas, 1891):
ZMB: 4665

SE 06039Ad:

Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1955.176.
Hipposideros caffer (Sundevall, 1846):
FMNH: 198081, 198082, 198083, 198084.
Miniopterus Bonaparte, 1837:
FMNH: 198053.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ZMB: 11409, 11416, 11417.
Neoromicia nana (Peters, 1852):
ZMB: 11406, 11407.
Nycteris macrotis Dobson, 1876:
BMNH: 1955.267, 1955.268, 1955.269, 1955.270.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1955.274, 1955.275, 1955.276, 1956.196, 1956.197. - **ZMB:** 11382, 11383, 11384, 11385, 11388.
Rhinolophus Lacépède, 1799:
FMNH: 198052, 198128, 198129. - **ZMB:** 11815

SE 06039Cb:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
YPM: MAM 003713, MAM 004060, MAM 004061

SE 06039Cd:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 27292. - **RMCA:** 5073. - **USNM:** 536688. - **ZMB:** 12124, 53863.
Coleura afra (Peters, 1852):
WAM: M27049, M27050, M27051, M27052.
Eidolon helvum (Kerr, 1792):
FMNH: 182484, 182485, 182486, 182487, 182488, 182489. - **USNM:** 236955.
Epomophorus Bennett, 1836:
FMNH: 182490, 182491, 182492, 182493, 182494, 182495, 182506.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1922.7.17.23a, 1922.7.17.23b, CN678. - **SMF:** 58998, 58999, 70450. - **ZMB:** 67051, 67089.
Epomophorus minor Dobson, 1880:
BMNH: 1922.717.22, 1922.717.23. - **FMNH:** 164081, 164082, 164083. - **ZMA:** MAM.22236, MAM.22237.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1922.7.17.31, 1922.7.17.34, 1922.7.17.36, 1922.7.17.38. - **FMNH:** 27282, 27283, 27284, 27285. - **MCZ:** 22769, 22770. - **NMW:** 17863, 17864. - **RMCA:** 5072. - **SMNS:** 3175. - **ZMB:** 54208, 54208a, 54208b, 54208c, 54209, 54210, 54424, 67054, 67055, 9978, 9979, 9980, 9981, 9982/9983, 9984, 9986, 9988, 9989, 9990, 9991, 9992, 9993, 9998, A.5677.
Hipposideros ruber (Noack, 1893):
WAM: M27047, M27048.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 27286. - **YPM:** MAM 004062. - **ZMA:** MAM.22277. - **ZMB:** 67868.
Miniopterus natalensis (A. Smith, 1833):
ZMB: 53849, 53850.
Mops (Mops) condylurus (A. Smith, 1833):
MCZ: 22822. - **ZMB:** 53851, 53852.
Nycteris hispida (Schreber, 1774):
BMNH: 1973.111. - **FMNH:** 48764.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 5074, 5075. - **WAM:** M27045, M27046. - **ZFMK:** 1961.0095, 1961.0096, 1961.0097. - **ZMH:** 8.
Pipistrellus permixtus Aellen, 1957:
MZS: 12c.
Scotophilus Leach, 1821:
FMNH: 155909.
Scotophilus dinganii (A. Smith, 1833):
ZMB: 54552.
Triaenops afer Peters, 1877:
WAM: M27053, M27054

SE 06039Bc:

Hipposideros caffer (Sundevall, 1846):
ROM: 59840, 59841, 59844, 59846, 59848, 59849, 59850, 59851, 59852, 59853, 59854, 59855, 59856, 59857, 59858, 59859, 59860, 59861.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 59834, 59835, 59836, 59837, 59838, 59839, 59842, 59843, 59845, 59847, 59862, 59867

SE 07012Bb:

Hipposideros caffer (Sundevall, 1846):
FMNH: 81652, 81657, 81659.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 81624, 81625, 81626, 81627, 81628, 81629, 81630, 81631, 81632, 81633, 81634, 81635, 81636, 81637

SE 07013Cc:

Epomophorus angolensis Gray, 1870:
RMNH: MAM.25753

SE 07015Bc:

Nycteris macrotis Dobson, 1876:
BMNH: 1909.10.1.31.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1909.10.1.32, 1909.10.1.33, 1909.10.11.31

SE 07020Bd:

Chaerephon chapini J.A. Allen, 1917:
FMNH: 66532.

Chaerephon nigeriae Thomas, 1913:
MDL: 5168, 5169, 5218b.
Eidolon helvum (Kerr, 1792):
MDL: 3422.
Epomophorus grandis (Sanborn, 1950):
BMNH: 1963.1025. - **FMNH:** 66433, 66434. - **MDL:** 5007.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1963.1015, 1963.1017, 1963.1019, 1963.1023, 1967.1240. - **FMNH:** 66436, 66437, 66438, 66439, 66440, 66441, 66442, 66443, 66444, 66445, 66446, 66447, 66448, 93299, 93300, 93301. - **MDL:** 11175, 11247, 3302, 5006, 5035, 5038, 5038a, 5044, 5045, 5046, 5048, 5049, 5050, 5051, 5052, 5053, 5054, 5055, 5056, 5057, 5058, 5061, 5063, 5064, 5067, 5074, 5179, 5182a, 5182b, 5184a, 5184b, 5196, 5197, 5198a, 5198b, 5198c, 5213, 5213bis, 5221, 5230, 5263a, 5263b, 5264, 5538, 5588, 5799, 5837, 5873a, 5873b.
Epomops franqueti (Tomes, 1860):
YPM: MAM 000176, MAM 000177.
Glauconycteris argentata (Dobson, 1875):
FMNH: 66529, 66530, 66531. - **MDL:** 5136, 5140.
Glauconycteris variegata (Tomes, 1861):
FMNH: 66528.
Hipposideros caffer (Sundevall, 1846):
MDL: 5043, 5141, 5218c, 5226b, 5251, 5254, 5262, 5265. - **YPM:** MAM 000198.
Hipposideros ruber (Noack, 1893):
FMNH: 66481, 66482, 66483, 66484, 66485, 66486, 66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499, 66500, 66501, 66502.
Hypsignathus monstrosus H. Allen, 1862:
FMNH: 66435. - **MDL:** 5217. - **YPM:** MAM 000178.
Megaloglossus woermanni Pagenstecher, 1885:
MDL: 12673. - **YPM:** MAM 000182, MAM 000183.
Micropteropus intermedius Hayman, 1963:
BMNH: 1962.2073.
Micropteropus pusillus (Peters, 1868):
FMNH: 66449, 66450, 66451. - **MDL:** 5031.
Neoromicia nana (Peters, 1852):
FMNH: 66503, 66504, 66505, 66506, 66507, 66508, 66509, 66510, 66511, 66512, 66513. - **MDL:** 5175, 5229b, 5271, 5543, 5555, 5889.
Neoromicia somalica (Thomas, 1901):
FMNH: 66514, 66515, 66516, 66517, 66518.
Neoromicia tenuipinnis (Peters, 1872):
BMNH: 1963.1044. - **FMNH:** 66519, 66520, 66521, 66522, 66523. - **MDL:** 11178b, 3301, 5026, 5208, 5849.
Nycteris arge Thomas, 1903:
FMNH: 66466. - **MDL:** 5206b.
Nycteris hispida (Schreber, 1774):
BMNH: 1963.1026, 1967.1244. - **FMNH:** 66468, 66469, 66470, 66471, 66472, 66473. - **MDL:** 5004, 5256.
Nycteris macrotis Dobson, 1876:
FMNH: 66474, 66475, 66476, 66477, 66478, 66479, 66480. - **MDL:** 5001, 5002, 5003, 5005, 5008, 5009, 5170a, 5170b, 5170c, 5170d, 5170e, 5203a, 5203b, 5206a, 5800.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1963.1036, 1967.1248. - **FMNH:** 66525, 66526, 66527. - **MDL:** 11177, 11182, 5222, 5225, 5228, 5229a, 522a, 5247, 5266, 5268, 5280, 5880a, 5880b, 5882, 5883.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 66524.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 66452, 66453, 66454, 66455, 66456, 66457, 66458, 66459, 66460, 66461, 66462, 66463, 66464, 66465. - **MDL:** 11178a, 5010, 5011, 5012, 5027, 5028, 5029, 5030, 5032, 5033, 5034, 5036, 5037, 5038b, 5039, 5041, 5042, 5059, 5062, 5065, 5066, 5072, 5073, 5087, 5127, 5128, 5137, 5147, 5161, 5218a, 5807.
VESPERTILIONIDAE Gray, 1821:
MDL: 5231

SE 07022Ab:

Neoromicia nana (Peters, 1852):
RMCA: 16445, 90.005-M-0001

SE 07022Bc:

Hipposideros ruber (Noack, 1893):
RMCA: 25612, 25613, 25614, 25615, 25616, 25617, 25618, 25619, 25620, 25621, 25622, 25623, 25624, 25625, 25626, 25627, 27199.
Neoromicia nana (Peters, 1852):
RMCA: 25629, 25630, 25631, 25632, 25633, 25634, 25635, 25636, 25637, 25638, 27200, 27201

SE 07023Ca:

Neoromicia nana (Peters, 1852):
RMCA: 25628

SE 07023Ba:

Hipposideros caffer (Sundevall, 1846):
RBINS: 7743.
Neoromicia tenuipinnis (Peters, 1872):
RBINS: 1742, 7742.
Scotophilus dinganii (A. Smith, 1833):
RBINS: 7792.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 12131

SE 07024Ca:

Rhinolophus lobatus Peters, 1852:
RMCA: 22370

SE 07024Ab:

Hipposideros caffer (Sundevall, 1846):
RBINS: 6119

SE 07024Da:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 38521, 38522, 38523, 38524, 38525, 38526, 38527, 38528, 38529, 38530

SE 07025Bc:

Chaerephon nigeriae Thomas, 1913:
RMCA: 21480, 21482.
Chaerephon nigeriae spillmanni (Monard, 1933):
BMNH: 1954.836. - **RMCA:** 21481.
Neoromicia nana (Peters, 1852):
RMCA: 21483.
Neoromicia tenuipinnis (Peters, 1872):
RMCA: 21484

SE 07027Aa:

Kerivoula lanosa (A. Smith, 1847):
RMCA: 12006

SE 07027Cc:

Chaerephon pumilus (Cretzschmar, 1826):
HZM: 128.7930, 129.7931, 130.7932, 131.7933, 132.7934, 133.7935, 134.7936, 135.7937, 136.7938, 137.7939, 138.7940, 139.7941, 140.7942, 141.7943, 142.7944.
Epomophorus labiatus (Temminck, 1837):
HZM: 32.7869.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 10515, 10517.
Epomops franqueti (Tomes, 1860):
RMCA: 10514.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
HZM: 26.7791. - **RMCA:** 10516.
Neoromicia nana (Peters, 1852):
HZM: 223.7990, 224.7991, 225.7992, 226.7993, 227.7994, 228.7995, 229.7996, 230.7997, 231.7998, 232.7999, 233.8000, 234.8001, 235.8002, 236.8003, 237.8004, 238.8005, 239.8006, 240.8007, 241.8008, 242.8009, 243.8010, 244.8011, 245.8012, 246.8013, 247.8014, 248.8015, 249.8016, 250.8017, 251.8018, 252.8019.
Neoromicia rendalli (Thomas, 1889):
HZM: 1.8024

SE 07027Ad:

Chaerephon pumilus (Cretzschmar, 1826):
HZM: 127.7821, 143.7954. - **RMCA:** 22000, 22001

SE 07028Ac:

Hipposideros ruber (Noack, 1893):
RMCA: 16225, 16226.
Nycteris hispida (Schreber, 1774):
RMCA: 11323

SE 07029Dc:

Myotis bocagii (Peters, 1870):
SMF: 16879, 16880

SE 07029Bb:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1957.431. - **RMCA:** 22124.
Epomophorus minor Dobson, 1880:
RMCA: 26271, 26272.
Myotis bocagii (Peters, 1870):
BMNH: 1954.854.
Neoromicia capensis (A. Smith, 1829):
RMCA: 22126, 26327.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 22125.
Rhinolophus blasii Peters, 1867:
RMCA: 26280.
Scotoecus albofuscus (Thomas, 1890):
RMCA: 22412.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 18567

SE 07029Db:

Hypsugo anchietae (Seabra, 1900):
AMNH: 55773, 55774

SE 07030Dc:

Pipistrellus hesperidus (Temminck, 1840):
NMZL: 2658

SE 07031Ca:

Rhinolophus hildebrandtii Peters, 1878:
ZMB: 50038

SE 07031Bc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 152534

SE 07031Dc:

Epomophorus wahlbergi (Sundevall, 1846):
SMNS: 31435.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
FMNH: 171301

SE 07032Aa:

Epomophorus labiatus (Temminck, 1837):
HZM: 3.1796.
Nycteris hispida (Schreber, 1774):
RBINS: 13103, 14460

SE 07035Ca:

MOLOSSIDAE Gervais, 1856:
AMNH: 267636

SE 07035Ad:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 166905, 166906

SE 07035Dc:

Epomophorus labiatus (Temminck, 1837):
LNK: 2343.
Nycteris macrotis Dobson, 1876:
ZMB: 60912, 60913.

Rhinolophus lobatus Peters, 1852:
ZMB: 60914

SE 07035Dd:

Laephotis wintoni Thomas, 1901:
FMNH: 171300.
Myonycteris relicta Bergmans, 1980:
FMNH: 171299.
Neoromicia capensis (A. Smith, 1829):
FMNH: 168093, 168094.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 182483.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 193210.
Scotophilus Leach, 1821:
FMNH: 178015.
Tadarida ventralis (Heuglin, 1861):
FMNH: 173695

SE 07036Cb:

Hipposideros caffer (Sundevall, 1846):
ZMB: 61009, 61010, 61011, 61012, 61013, 61014

SE 07036Cd:

Epomophorus Bennett, 1836:
FMNH: 182670.
Hipposideros Gray, 1831:
FMNH: 169535, 182928.
Miniopterus Bonaparte, 1837:
FMNH: 169536, 169537, 169545.
Myotis welwitschii (Gray, 1866):
FMNH: 169543.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 182683.
Pipistrellus Kaup, 1829:
FMNH: 169540, 169541, 182685.
Rhinolophus Lacépède, 1799:
FMNH: 169525, 182684, 182925, 182926, 182927.
Rhinolophus deckenii Peters, 1868:
FMNH: 169526, 169530, 169531.
Rhinolophus maendeleo Kock, Csorba and Howell, 2000:
FMNH: 169527, 169528, 169529.
Rousettus Gray, 1821:
FMNH: 182671, 182672, 182673, 182674, 182675, 182676, 182677, 182678, 182679, 182680, 182681, 182682.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 169523

SE 07036Dc:

Rhinolophus Lacépède, 1799:
FMNH: 169524.
Rhinolophus lobatus Peters, 1852:
FMNH: 177694

SE 07036Bd:

Neoromicia guineensis (Bocage, 1889):
FMNH: 27291

SE 07036Db:

Eidolon helvum (Kerr, 1792):
SMF: 19473

SE 07036Dd:

Doryrhina cyclops (Temminck, 1853):
FMNH: 158592, 158624.
Epomophorus labiatus (Temminck, 1837):
ROM: 56513.
Epomophorus wahlbergi (Sundevall, 1846):
SMF: 58996, 66942, 66943.

Nycteris hispida (Schreber, 1774):
FMNH: 158587, 158623.
Rhinolophus blasii Peters, 1867:
SMF: 15917.
Rhinolophus deckenii Peters, 1868:
FMNH: 158588, 158589.
Rhinolophus simulator K. Andersen, 1904:
SMF: 62866

SE 07037Ac:

Epomophorus labiatus (Temminck, 1837):
FMNH: 198177.
Glauconycteris variegata (Tomes, 1861):
FMNH: 182519.
Neoromicia nana (Peters, 1852):
SMF: 66953, 70466.
Nycteris hispida (Schreber, 1774):
BMNH: 1979.1679.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 187289. - **RMCA:** 96.037-M-7173.
Rhinolophus deckenii Peters, 1868:
FMNH: 180836, 180837, 180838, 180839, 180840, 180854, 180855, 180856, 180857.
Rhinolophus rhodesiae Roberts, 1946:
FMNH: 180841, 180842, 180858, 180859

SE 07037Ba:

Epomophorus wahlbergi (Sundevall, 1846):
LACM: 19684, 19685, 55311, 55312, 55313, 55314.
Hipposideros caffer (Sundevall, 1846):
MCZ: 20637, 20638.
Miniopterus natalensis (A. Smith, 1833):
MCZ: 22370, 22371, 22372.
Mops (Mops) condylurus (A. Smith, 1833):
YPM: MAM 002141.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
LACM: 19686, 51636, 55003.
Neoromicia nana (Peters, 1852):
MCZ: 20616, 20617, 20618, 20619, 20620, 20621, 20622, 20623, 20624, 20625, 22375, 22376, 22377, 22378, 22379, 22380, 22381, 22382, 22383, 22384, 22385, 22386, 22387, 22388, 22389, 22390, 22391, 22392, 22393, 22394, 22395, 22396, 22397, 22398, 22399, 22400, 22401, 22402, 22403, 22404, 22405, 22406, 22407, 22408, 22409, 22410, 22411, 22412, 22413, 22414, 22415, 22416, 22417, 22418, 22419, 22420, 22421, 22422.
Nycteris hispida (Schreber, 1774):
MCZ: 22788.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 25214, 25215, 25216.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
MCZ: 22812.
RHINOLOPHIDAE Gray, 1825:
RMCA: a4.036-M-0516.
Rhinolophus clivosus Cretzschmar, 1828:
MCZ: 20639.
Rhinolophus hildebrandtii Peters, 1878:
RMCA: 27291, a4.036-M-0511.
Rhinolophus rhodesiae Roberts, 1946:
MCZ: 22373.
Stenonycteris lanosus (Thomas, 1906):
FMNH: 34185, 34186. - **MCZ:** 22544, 22545, 22546, 22547, 22548, 22549, 25223. - **USNM:** 268761

SE 07037Bc:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1921.12.4.2.
Epomophorus minor Dobson, 1880:
BMNH: 1921.12.4.1

SE 07037Bb:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 183258, 183259.
Miniopterus Bonaparte, 1837:
FMNH: 183267, 183268.
Pipistrellus Kaup, 1829:
FMNH: 183240.

Rhinolophus Lacépède, 1799:
FMNH: 183239, 183262, 183263, 183264.
Rousettus Gray, 1821:
FMNH: 183260, 183261.
Scotophilus Leach, 1821:
FMNH: 183265, 183266

SE 07038Dd:

Glauconycteris variegata (Tomes, 1861):
ZMB: 67654.
Myotis bocagii (Peters, 1870):
ZMB: T10165.
Tadarida Rafinesque, 1814:
FMNH: 183016, 183017

SE 07039Ab:

CHIROPTERA Blumenbach, 1779:
RMCA: a4.036-M-0506

SE 07039Ad:

Pipistrellus hesperidus (Temminck, 1840):
SMF: 81203, 81204.
Pteropus voeltzkowi Matschie, 1909:
ZMB: 92341, T10485, T10486, T10487, T10488, T10489, T10490

SE 07039Cb:

Epomophorus Bennett, 1836:
FMNH: 182507, 182508, 182509, 182510

SE 07039Dc:

Eidolon helvum (Kerr, 1792):
BMNH: 1964.1311. - **BRTC:** 20905.
Eidolon helvum helvum (Kerr, 1792):
CAWM: |R(3002|: 345).
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 187408.
Hipposideros caffer (Sundevall, 1846):
SMF: 79622.
Neoromicia nana (Peters, 1852):
FMNH: 187391.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1384, 1964.1385, 1964.1386, 1964.1387. - **FMNH:** 187361.
Pteropus seychellensis A. Milne-Edwards, 1877:
FMNH: 187353.
Scotophilus viridis (Peters, 1852):
SMF: 79560

SE 07039Dd:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 182501, 182502, 187407.
Hipposideros caffer (Sundevall, 1846):
FMNH: 187366, 187367, 187368, 187369, 187370, 187371, 187372, 187373, 187374, 187375, 187376, 187377, 187378, 187379, 187380, 187381, 187382, 187383, 187416, 187417, 187418, 187419, 187420, 187421, 187422, 187423, 187424, 187425, 187426, 187427.
Pteropus seychellensis A. Milne-Edwards, 1877:
BMNH: 1938.10.24.1. - **FMNH:** 187354, 187406. - **NMK:** 5271. - **SMF:** 82517.
Rhinolophus deckenii Peters, 1868:
FMNH: 182540, 182541, 182542, 182543, 182544, 187362, 187363, 187364, 187413, 187414. - **SMF:** 79636, 79637.
Rhinolophus rhodesiae Roberts, 1946:
FMNH: 182539.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 187355, 187356, 187357, 187358, 187359, 187409, 187410, 187411. - **SMF:** 79651, 82518.
Triaenops Dobson, 1871:
SMF: 97666

SE 08013Cc:

Chaerephon pumilus (Cretzschmar, 1826):
IICA: 33.

Neoromicia nana (Peters, 1852):
IICA: 64

SE 08013Cd:

Epomophorus angolensis Gray, 1870:
IICA: 12. - **ZMB:** 54932.
Macronycteris vittatus (Peters, 1852):
IICA: 2.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
IICA: 46.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
IICA: 45

SE 08013Dc:

Mops (Mops) condylurus (A. Smith, 1833):
MCZ: 25109, 56795. - **USNM:** 241110

SE 08015Ac:

Eidolon helvum (Kerr, 1792):
FMNH: 81729.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 81720, 81721, 81722, 81723.
Epomops franqueti (Tomes, 1860):
FMNH: 81621, 81622, 81623, 81699, 81700, 81701, 81702, 81703, 81704, 81705, 81706, 81707, 81708, 81709, 81710, 81711.
Glauconycteris beatrix Thomas, 1901:
FMNH: 81686.
Hipposideros caffer (Sundevall, 1846):
FMNH: 81613, 81614, 81653, 81654, 81655, 81656, 81658.
Hypsignathus monstrosus H. Allen, 1862:
FMNH: 81726, 81727.
Hypsugo crassulus (Thomas, 1904):
FMNH: 83599.
Megaloglossus woermanni Pagenstecher, 1885:
FMNH: 81604, 81605, 81694, 81695, 81696, 81697, 81698.
Myotis bocagii bocagii (Peters, 1870):
FMNH: 81616, 81617, 81687, 81688, 81689.
Neoromicia nana (Peters, 1852):
FMNH: 81609, 81610, 81611, 81612, 81660, 81661, 81662, 81663, 81664, 81665, 81666, 81667, 81668, 81669, 81670, 81671, 81672, 81673.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 81690.
Nycteris arge Thomas, 1903:
FMNH: 81618.
Rhinolophus lobatus Peters, 1852:
FMNH: 81615, 81638, 81639, 81640, 81641, 81642, 81643, 81644, 81645, 81646, 81647, 81648, 81649, 81650, 81651.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 81728. - **RMNH:** MAM.81728.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 81693

SE 09015Bb:

Neoromicia nana (Peters, 1852):
YPM: MAM 000283, MAM 000284

SE 08016Cc:

Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1904.4.9.6. - **FMNH:** 81724, 81725

SE 08020Cd:

Nycteris nana (K. Andersen, 1912):
FMNH: 66467

SE 08022Bc:

Neoromicia nana (Peters, 1852):
RMCA: 27667

SE 08024Bc:

Glauconycteris variegata (Tomes, 1861):
RMCA: 16213.
Nycteris hispida (Schreber, 1774):
RMCA: 16193

SE 08024Dd:

Neoromicia nana (Peters, 1852):
RMCA: 11737

SE 08026Cc:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 29404, 29405, 29406, 29407. - **RMCA:** 18045.
Miniopterus inflatus rufus Sanborn, 1936:
FMNH: 29416.
Myotis bocagii (Peters, 1870):
ZMB: T10164.
Neoromicia rendalli (Thomas, 1889):
FMNH: 29417.
Nycteris hispida (Schreber, 1774):
FMNH: 29408, 29409.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 29410, 29411, 29412, 29413, 29414, 29415

SE 08026Ab:

VESPERTILIONIDAE Gray, 1821:
RMCA: b0.004-M-0001

SE 08026Cb:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 9231, 9232, 9233.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 9230.
Myotis bocagii bocagii (Peters, 1870):
FMNH: 30699.
Neoromicia nana (Peters, 1852):
RBINS: 10806.01, 10806.03, 10806.04, 10806.07, 10806.08, 10806.09.
Nycteris hispida (Schreber, 1774):
RBINS: 10839, 10840, 10841, 10842, 10843, 10844, 10846.
Nycteris macrotis Dobson, 1876:
RBINS: 10847

SE 08026Cd:

Epomophorus Bennett, 1836:
MNHN: ZM-2011-789, ZM-2011-790, ZM-2011-791, ZM-2011-792, ZM-2011-793, ZM-2011-794.
Epomophorus anselli Bergmans and Van Strien, 2004:
MNHN: ZM-2011-726.
Epomophorus crypturus Peters, 1852:
MNHN: ZM-2011-759, ZM-2011-760, ZM-2011-761, ZM-2011-762, ZM-2011-763, ZM-2011-764, ZM-2011-765.
Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-2011-781.
Epomophorus minimus Claessen & De Vree, 1991:
MNHN: ZM-2011-783, ZM-2011-784, ZM-2011-785, ZM-2011-786.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-2011-807, ZM-2011-808, ZM-2011-809

SE 08026Bc:

Nycteris hispida (Schreber, 1774):
RMCA: 11402.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 16252

SE 08026Da:

Chaerephon pumilus (Cretzschmar, 1826):
RBINS: 10711, 10712, 10713.
Epomophorus crypturus Peters, 1852:
RBINS: 10670.

Hipposideros caffer (Sundevall, 1846):
RBINS: 10753, 10754, 10755, 10771.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
RBINS: 10690, 10691, 10692, 10693, 10694, 10695, 10696, 10697, 10698, 10699, 10700, 10701, 10702, 10703, 10804.
Neoromicia nana (Peters, 1852):
RBINS: 10806.02, 10806.05, 10806.06, 10806.10, 10806.11, 10806.12, 10806.13, 10806.14, 10806.15, 10806.16.
Nycteris macrotis Dobson, 1876:
RBINS: 10810.1, 10810.2.
Nycticeinops schlieffenii (Peters, 1859):
RBINS: 10716, 10717

SE 08026Dc:

Micropteropus pusillus (Peters, 1868):
RBINS: 10679, 10680, 10681, 10682, 10683, 10684.
Nycteris hispida (Schreber, 1774):
RBINS: 10808.
Nycteris macrotis Dobson, 1876:
HZM: 37.7849.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RBINS: 10812.
Rhinolophus Lacépède, 1799:
RBINS: 10756, 10757, 10758, 10759, 10760, 10769, 10770, 10849, 10850

SE 08026Db:

Hipposideros caffer (Sundevall, 1846):
RBINS: 10735, 10737, 10738, 10739, 10741, 10742, 10801.
Myonycteris angolensis (Bocage, 1898):
RBINS: 10660.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
RBINS: 10661.
Rhinolophus Lacépède, 1799:
RBINS: 10736.
Rhinolophus lobatus Peters, 1852:
RBINS: 10740

SE 08026Dd:

Myonycteris angolensis (Bocage, 1898):
RBINS: 10662.
Myonycteris angolensis ruwenzorii (Eisentraut, 1965):
RBINS: 10663.
Nycteris arge Thomas, 1903:
RBINS: 10835, 10836, 10837.
Nycticeinops schlieffenii (Peters, 1859):
RBINS: 10718

SE 09026Bb:

Epomophorus crypturus Peters, 1852:
MNHN: ZM-2011-780.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MNHN: ZM-2011-861, ZM-2011-862, ZM-2011-863

SE 08027Cc:

Epomophorus Bennett, 1836:
RBINS: 10671, 10672, 10673, 10676.
Epomophorus crypturus Peters, 1852:
RBINS: 10667.
Epomophorus dobsonii Bocage, 1889:
RBINS: 10664, 10666, 10668, 10669, 10674, 10675, 10678.
Myotis bocagii (Peters, 1870):
RBINS: 10807.1, 10807.2, 10807.3.
Myotis welwitschii (Gray, 1866):
RBINS: 10848.
Neoromicia capensis (A. Smith, 1829):
RBINS: 10707.
Neoromicia nana (Peters, 1852):
RBINS: 10805.
Plerotes anchietae (Seabra, 1900):
RBINS: 10685, 10686.
Rhinolophus hildebrandtii Peters, 1878:
RBINS: 10851, 10852

SE 09027Aa:

Hipposideros ruber (Noack, 1893):
HZM: 55.8027.
Miniopterus natalensis (A. Smith, 1833):
HZM: 214.7800

SE 08027Dc:

Neoromicia nana (Peters, 1852):
MHNG: 922.083, 922.084, 922.085

SE 08027Db:

Hipposideros caffer (Sundevall, 1846):
RBINS: 6281.02, 6281.03, 6281.04, 6281.05, 6281.06, 6281.07, 6281.08, 6281.09, 6281.10, 6281.11, 6281.12, 6281.13, 6281.14, 6281.15, 6281.16, 6281.17, 6281.18, 6281.19, 6281.20

SE 08028Da:

Neoromicia nana (Peters, 1852):
RMCA: 1541

SE 08028Dc:

Epomophorus labiatus (Temminck, 1837):
RMCA: 16490.
Nycteris hispida (Schreber, 1774):
RMCA: 11470

SE 08028Bd:

Myotis bocagii (Peters, 1870):
RMCA: 5441a.
Nycteris hispida (Schreber, 1774):
RMCA: 5441b

SE 09028Bb:

Myotis bocagii (Peters, 1870):
RMCA: 18173

SE 08029Ad:

Hipposideros caffer (Sundevall, 1846):
RBINS: 10727, 10728, 10729, 10730, 10731, 10732, 10733, 10734.
Miniopterus inflatus Thomas, 1903:
RBINS: 10705.
Rhinolophus Lacépède, 1799:
RBINS: 10743, 10744, 10745, 10746, 10747, 10748, 10749, 10750, 10751, 10752, 10772

SE 08029Bc:

Chaerephon nigeriae Thomas, 1913:
RBINS: 14534.
Hipposideros ruber (Noack, 1893):
RBINS: 14576, 14577.
Neoromicia nana (Peters, 1852):
RBINS: 14532, 14533.
Nycteris hispida (Schreber, 1774):
RBINS: 14461.
Nycteris macrotis Dobson, 1876:
RBINS: 14490, 14493.
Nycticeinops schlieffenii (Peters, 1859):
RBINS: 14514, 14515.
Rhinolophus fumigatus Rüppell, 1842:
RBINS: 14489.
Rhinolophus hildebrandtii Peters, 1878:
RBINS: 14432

SE 08029Dc:

Neoromicia zuluensis (Roberts, 1924):
HZM: 3.3449, 3.449.
Nycteris major (K. Andersen, 1912):
RBINS: 13330

SE 08029Bd:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 33481

SE 08030Ca:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1965.536. - **HZM:** 25.6387

SE 08030Cb:

Chaerephon major (Trouessart, 1897):
BMNH: 1926.1215.
Eidolon helvum (Kerr, 1792):
NHMZ: 7280

SE 08030Ba:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 161.
Nycteris hispida (Schreber, 1774):
RMCA: 162

SE 08030Da:

Epomophorus labiatus (Temminck, 1837):
KM: 9618.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 11766.
Hipposideros ruber (Noack, 1893):
RMCA: 35415.
Nycteris hispida (Schreber, 1774):
HNHM: 76.155.1

SE 08031Ac:

Myotis bocagii bocagii (Peters, 1870):
MCZ: 26699, 26700.
Neoromicia nana (Peters, 1852):
MCZ: 26697, 26698, 26701, 26702, 26703, 26704, 26705.
Pipistrellus rueppellii (Fischer, 1829):
MCZ: 26706.
Rhinolophus eloquens K. Andersen, 1905:
ZMB: 15710

SE 08031Ca:

Epomophorus labiatus (Temminck, 1837):
HZM: 16.2355. - **NHMZ:** 10329

SE 08031Cc:

CHIROPTERA Blumenbach, 1779:
RMCA: 35416

SE 08031Ad:

Neoromicia nana (Peters, 1852):
MCZ: 26696

SE 08031Cd:

Eidolon helvum (Kerr, 1792):
KM: 9292.

Epomophorus dobsonii Bocage, 1889:
BMNH: 1966.5402, 1966.5403, 1966.5404, 1966.5405, 1966.5406, 1966.5407. - **HZM:** 1.1953, 2.2081, 3.2460, 4.2465, 7.3031, 8.3032. - **KM:** 18128. - **RBINS:** 13109. - **RMCA:** 35417.
Epomophorus labiatus (Temminck, 1837):
HZM: 1.1444, 26.3052, 27.3053, 4.1797. - **KM:** 9288, 9619.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1966.5412.
Epomops franqueti (Tomes, 1860):
BMNH: 1952.1542.
Kerivoula argentata Tomes, 1861:
HZM: 2.3517.
Neoromicia capensis (A. Smith, 1829):
KM: 9669.
Neoromicia nana (Peters, 1852):
HZM: 44.2632.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 9626.
Plerotes anchietae (Seabra, 1900):
HZM: 1.3049.
Scotophilus dinganii (A. Smith, 1833):
RBINS: 14455

SE 08031Bc:

Rhinolophus fumigatus Rüppell, 1842:
ZMB: 50024

SE 08031Da:

Neoromicia nana (Peters, 1852):
SMF: 62868, 62869, 62870

SE 08031Bb:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1956.387. - **HZM:** 10.1937, 14.2351, 17.2358, 29.3063, 8.1887.
Eptesicus Rafinesque, 1820:
HZM: 1.2046, 2.2450, 3.2451.
Hipposideros caffer (Sundevall, 1846):
TM: 31097, 31098, 31099, 31100.
Neoromicia nana (Peters, 1852):
HZM: 3.1888.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
HZM: 2.2047

SE 08033Cd:

Epomophorus minor Dobson, 1880:
BMNH: 1968.73.
Hipposideros ruber (Noack, 1893):
AMNH: 179291, 179294, 179295.
Macronycteris vittatus (Peters, 1852):
AMNH: 179298, 179299

SE 08033Db:

Miniopterus minor Peters, 1867:
FMNH: 205313, 205314

SE 08034Cc:

Epomophorus Bennett, 1836:
YPM: MAM 004285.
Taphozous E. Geoffroy St.-Hilaire, 1818:
YPM: MAM 004282, MAM 004283, MAM 004284

SE 08034Cd:

Epomophorus labiatus (Temminck, 1837):
LNK: 11853, 11855, 11856, 11857, 11858, 11861, 11862, 2341, 2342, 2344, 2346. - **SMNS:** 5606, 5607, 5608, 5610

SE 08035Ca:

Pipistrellus hesperidus (Temminck, 1840):
SMF: 70460

SE 08035Cb:

Pipistrellus hesperidus (Temminck, 1840):
SMF: 61160, 61161, 66951, 66952

SE 08035Bc:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 183102, 183103.
Hipposideros Gray, 1831:
FMNH: 183105.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 183104

SE 08035Bb:

Miniopterus Bonaparte, 1837:
FMNH: 169538, 169539, 169544.
Pipistrellus Kaup, 1829:
FMNH: 169542.
Rhinolophus Lacépède, 1799:
FMNH: 169532, 169533, 169534. - **YPM:** MAM 004286, MAM 004287

SE 08035Bd:

Myotis welwitschii (Gray, 1866):
FMNH: 164084

SE 08035Db:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 155378, 155379, 155547.
Hipposideros ruber (Noack, 1893):
FMNH: 153930, 155554.
Myonycteris angolensis (Bocage, 1898):
FMNH: 158586.
Myonycteris relicta Bergmans, 1980:
FMNH: 158585.
Myotis welwitschii (Gray, 1866):
SMF: 79571.
Neoromicia capensis (A. Smith, 1829):
FMNH: 158625, 158626.
Neoromicia nana (Peters, 1852):
FMNH: 153856, 153857, 153858.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 153846.
Rhinolophus deckenii Peters, 1868:
FMNH: 155663, 158590, 158591.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 153847, 155664.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 153853, 153854, 153855.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 153924, 155481, 155482, 155665, 155666, 158584, 158622

SE 08035Dd:

Epomophorus labiatus (Temminck, 1837):
ZMB: 60915, 60916

SE 08036Cb:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 183011.
Pipistrellus Kaup, 1829:
FMNH: 182946.
Scotophilus Leach, 1821:
FMNH: 183010

SE 08036Da:

Eidolon helvum helvum (Kerr, 1792):
ROM: 35319.

Epomophorus labiatus (Temminck, 1837):
HZM: 31.4020. - **MCZ:** 26214, 26220, 26221, 26222, 26223.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 182940, 182941, 182942.
Hipposideros caffer (Sundevall, 1846):
ROM: 77865, 77866.
Hipposideros ruber (Noack, 1893):
KU: 151341.
Miniopterus Bonaparte, 1837:
FMNH: 182612, 182613.
Myotis bocagii (Peters, 1870):
SMF: 88513.
Nycteris macrotis Dobson, 1876:
MCZ: 38818.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1434. - **MCZ:** 38805, 38806, 38807, 38808, 38809, 38810, 38811, 38812, 38813, 38814, 38815, 38816, 38817.
Pipistrellus Kaup, 1829:
FMNH: 182614, 182651.
Rhinolophus Lacépède, 1799:
FMNH: 182610, 182650.
Rhinolophus deckenii Peters, 1868:
FMNH: 182607.
Rhinolophus fumigatus Rüppell, 1842:
MCZ: 38824.
Rhinolophus hildebrandtii Peters, 1878:
FMNH: 182608, 182609. - **MCZ:** 38823.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 182606.
Scotoecus Thomas, 1901:
FMNH: 182611.
Scotophilus Leach, 1821:
FMNH: 182943, 182944, 182945.
Stenonycteris lanosus (Thomas, 1906):
BMNH: 1964.852, 1964.853. - **HZM:** 2.3034, 3.3035, 4.3036.
Tadarida Rafinesque, 1814:
FMNH: 182947, 182948, 182949, 182950.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MCZ: 38837, 38838, 38839. - **SMF:** 88502

SE 08036Dc:

Stenonycteris lanosus (Thomas, 1906):
SMF: 19471, 19472

SE 09036Ba:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 27289, 27290

SE 09037Aa:

Epomophorus wahlbergi (Sundevall, 1846):
HZM: 13.4022, 14.4056

SE 08037Bc:

Epomophorus labiatus (Temminck, 1837):
SMF: 62861

SE 08037Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 19458

SE 08038Bd:

Epomophorus Bennett, 1836:
FMNH: 182511, 182512.
Rhinolophus lobatus Peters, 1852:
ZMB: 50063, 50064, 50065

SE 08039Aa:

Epomophorus labiatus (Temminck, 1837):
ZMB: 54591.

Glauconycteris variegata (Tomes, 1861):
FMNH: 183242.
Scotophilus Leach, 1821:
FMNH: 183243, 183244

SE 08039Ac:

Hipposideros Gray, 1831:
FMNH: 183246.
Hipposideros ruber (Noack, 1893):
FMNH: 182570, 182571, 182572.
Kerivoula africana Dobson, 1878:
SMF: 79564.
Nycteris grandis Peters, 1865:
FMNH: 182569.
Rhinolophus Lacépède, 1799:
FMNH: 183247, 183248.
Triaenops afer Peters, 1877:
FMNH: 182573

SE 08039Ca:

Neoromicia nana (Peters, 1852):
SMF: 79580

SE 08039Ad:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
FMNH: 182528

SE 08039Cb:

Neoromicia nana (Peters, 1852):
MCZ: 22499, 22500.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 183007

SE 08039Cd:

Mops (Mops) condylurus (A. Smith, 1833):
BMNH: 1951.392.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 35304, 35305.
Rhinolophus hildebrandtii Peters, 1878:
ROM: 35300, 35301. - **SMF:** 19453, 19454

SE 08039Dc:

Rhinolophus deckenii Peters, 1868:
ROM: 35302, 35303

SE 09039Ba:

Nycteris grandis Peters, 1865:
BMNH: 1964.1348.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1389, 1964.1390, 1964.1391, 1964.1392, 1964.1406, 1964.1408, 1964.1428, 1964.1433

SE 08039Bb:

Hipposideros caffer (Sundevall, 1846):
FMNH: 187384, 187385, 187386, 187387, 187388, 187389, 187428, 187429.
Neoromicia nana (Peters, 1852):
FMNH: 187390.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 187360, 187412.
Pteropus seychellensis A. Milne-Edwards, 1877:
BMNH: 1964.1307, 1964.1308, 1964.1309.
Rhinolophus deckenii Peters, 1868:
FMNH: 187365, 187415

SE 09013Ab:

Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 62092

SE 09013Ba:

Micropteropus pusillus (Peters, 1868):
NMBA: 5826, 5827, 5828

SE 09013Bc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 18799, 18800, 18801, 18802, 18803, 18804, 18805, 18806.
Macronycteris gigas (Wagner, 1845):
USNM: 18795, 18796.
Nycteris macrotis Dobson, 1876:
USNM: 18797.
Scotophilus dinganii (A. Smith, 1833):
USNM: 18798.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 18807

SE 09013Db:

Mops (Mops) condylurus (A. Smith, 1833):
EBD: MAM 22257, MAM 22258, MAM 22259

SE 09014Cb:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 83607, 83608, 83609, 83610, 83611, 83612, 84054, 84055, 84056, 84057, 84058, 84059, 84060, 84061, 84062, 84063, 84064, 84065, 84066, 84067, 84068, 84069, 84070, 84071, 84072, 84073, 84074, 84075, 84076, 84077, 84078, 84079, 84080, 84081, 84082, 84083, 84084, 84085.
Hipposideros caffer (Sundevall, 1846):
FMNH: 83593.
Nycteris macrotis Dobson, 1876:
BMNH: 1909.10.1.9

SE 09014Ba:

Micropteropus pusillus (Peters, 1868):
BMNH: 1904.4.9.10, 1904.4.9.9.
Myonycteris torquata (Dobson, 1878):
BMNH: 1966.1204

SE 09014Da:

Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1909.10.1.6, 1909.10.1.7, 1909.10.1.8. - **FMNH:** 84051

SE 09014Bb:

Miniopterus natalensis (A. Smith, 1833):
BMNH: 1904.4.9.25, 1904.4.9.26.
Myonycteris torquata (Dobson, 1878):
BMNH: 1866.1.20.4

SE 09014Bd:

Epomops franqueti (Tomes, 1860):
IICA: 8020.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 63480.
Hipposideros ruber (Noack, 1893):
IICA: 7989.
Hypsignathus monstrosus H. Allen, 1862:
IICA: 8076.
Neoromicia nana (Peters, 1852):
IICA: 7998

SE 09014Dd:

Epomophorus wahlbergi (Sundevall, 1846):
IICA: 6574.
Myonycteris angolensis (Bocage, 1898):
IICA: 6618.
Nycteris macrotis Dobson, 1876:
IICA: 6589

SE 09015Da:

Micropteropus pusillus (Peters, 1868):
ZMB: 5221.
Myonycteris angolensis (Bocage, 1898):
MLZA: T113 [a], T113 [b].
Myotis welwitschii (Gray, 1866):
BMNH: 1866.4.12.2.
Nycteris macrotis Dobson, 1876:
BMNH: 1904.4.9.13

SE 09015Bb:

Myotis bocagii (Peters, 1870):
ZMB: 3973.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ZMB: 3635

SE 09017Aa:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 81606, 81607, 81608.
Neoromicia nana (Peters, 1852):
FMNH: 81674, 81675, 81676, 81677, 81678, 81679, 81680, 81681, 81682, 81683, 81684, 81685.
Nycteris G. Cuvier and E. Geoffroy, 1795:
FMNH: 81691.
Nycteris nana (K. Andersen, 1912):
FMNH: 81619, 81620

SE 09018Aa:

Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
IICA: 5411

SE 09024Bd:

Eidolon helvum (Kerr, 1792):
RMCA: 4227, 4230, 4231, 4236a, 4236b, 4237, 4238, 4239

SE 09024Db:

Eidolon helvum (Kerr, 1792):
RMCA: 4225, 4226, 4228, 4229, 4232, 4233, 4234, 4235

SE 09025Dc:

CHIROPTERA Blumenbach, 1779:
RMCA: 5396.
Hipposideros ruber (Noack, 1893):
RMCA: 5382.
Kerivoula lanosa (A. Smith, 1847):
RMCA: 5383.
Neoromicia nana (Peters, 1852):
RMCA: 5384.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 16232

SE 09025Bb:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 15251, 15252, 15253, 15254, 15255, 15256, 15257, 15258, 15259, 15260, 15261, 15262, 15263, 15264, 15265, 15266, 15267, 16254

SE 09025Bd:

Epomophorus minimus Claessen & De Vree, 1991:
MNHN: ZM-2011-787

SE 09025Db:

Epomophorus Bennett, 1836:
MNHN: ZM-2011-797, ZM-2011-798.
Epomophorus crypturus Peters, 1852:
MNHN: ZM-2011-775, ZM-2011-776, ZM-2011-777.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-2011-810, ZM-2011-811, ZM-2011-812, ZM-2011-813, ZM-2011-814, ZM-2011-815, ZM-2011-816, ZM-2011-817, ZM-2011-818, ZM-2011-819, ZM-2011-820, ZM-2011-821, ZM-2011-822, ZM-2011-823, ZM-2011-824, ZM-2011-825, ZM-2011-826, ZM-2011-827, ZM-2011-828, ZM-2011-829, ZM-2011-830, ZM-2011-831, ZM-2011-832, ZM-2011-833, ZM-2011-834, ZM-2011-835, ZM-2011-836, ZM-2011-837, ZM-2011-838, ZM-2011-839, ZM-2011-840, ZM-2011-841, ZM-2011-842, ZM-2011-843, ZM-2011-844, ZM-2011-845, ZM-2011-846, ZM-2011-847, ZM-2011-848, ZM-2011-849, ZM-2011-850, ZM-2011-851, ZM-2011-852, ZM-2011-853

SE 09025Dd:

Cloeotis percivali Thomas, 1901:
MHNG: 1046.098. - **SMF:** 21276, 21277.
Hipposideros ruber (Noack, 1893):
MHNG: 1046.042, 1047.065, 1047.066, 922.097, 922.098, 922.099. - **RBINS:** 14590, 14591, 14592, 14593, 14594. - **RMCA:** 22654, 22655, 22656, 22657, 23809, 23811, 23812, 23851a, 23852, 23854, 23855, 23856, 23857, 23858, 26865, 28193, 28194, 28195, 28196, 28197, 28198, 28199, 28200, 28201, 28202. - **SMF:** 21287.
Miniopterus natalensis (A. Smith, 1833):
MHNG: 1046.079, 1046.080, 1046.081, 1046.082, 1046.083, 1046.084, 1046.085, 1046.086, 1046.087, 1046.092, 1046.093. - **RBINS:** 14610, 14611, 14612, 14613, 14614, 14615, 14616, 14617. - **RMCA:** 23896, 26782, 26787, 26788, 26789, 26796, 26797, 26799, 26801, 26803, 26804, 26810, 26813, 26816, 26818, 26820, 26832, 26834, 26841, 26842, 26845, 26846, 26847, 26848, 26849, 26850, 26854, 26855, 26856, 26857, 26858, 26859, 26860, 26861, 26862, 26863, 26864, 26870, 26871, 26872, 26873, 28191, 28192, 28205, 28206, 28207.
Myotis tricolor (Temminck, 1832):
MHNG: 1046.097. - **RMCA:** 26792.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 21243.
Rhinolophus clivosus Cretzschmar, 1828:
RMCA: 22667, 22668, 22669, 22670.
Rhinolophus hildebrandtii Peters, 1878:
MHNG: 1046.001, 1046.067, 1046.068, 1046.069, 1046.070, 1046.071, 1046.099, 1046.100. - **RBINS:** 14447, 14450. - **RMCA:** 22662, 22663, 22664, 22665, 22666, 23810, 23853, 26784, 26785, 26791, 26795, 26824, 26825, 26829, 26835, 26867, 26876. - **SMF:** 21273, 21274.
Rhinolophus lobatus Peters, 1852:
RMCA: 23813, 26783, 26786, 26793, 26794, 26800, 26802, 26811, 26812, 26814, 26815, 26817, 26819, 26821, 26822, 26827, 26828, 26830, 26831, 26836, 26837, 26838, 26839, 26840, 26843, 26844, 26852, 26853, 26866, 26868, 26869, 28203, 28204.
Rhinolophus rhodesiae Roberts, 1946:
MHNG: 1046.006, 1046.050, 1046.051, 1046.052, 1046.053, 1046.054, 1046.055, 1046.056, 1046.057, 1046.058, 1046.059, 1046.060, 1046.061, 1046.062, 1047.052, 1047.053, 1047.054, 1047.055, 1047.056, 1047.057, 1047.058, 1047.059, 1047.060, 1047.061, 1047.062, 922.086. - **RBINS:** 14473, 14474, 14475, 14477, 14480, 14481, 14482, 14483, 14484, 14485, 14487, 14488.
Rhinolophus simulator K. Andersen, 1904:
SMF: 21247, 21248, 21249, 21250, 21251, 21252, 21253, 21254, 21255, 21256, 21257, 21258, 21259, 21260, 21261, 21262, 21263, 21264.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 23851b

SE 09026Ab:

Myotis bocagii bocagii (Peters, 1870):
FMNH: 29425, 29426, 29427, 29428.
Neoromicia nana (Peters, 1852):
FMNH: 29418, 29419, 29420, 29421, 29422, 29423, 29424, 30686.
Pipistrellus Kaup, 1829:
FMNH: 30682, 30683, 30684, 30685, 30687, 30688, 30689, 30690, 30691, 30692, 30693, 30694, 30695, 30696, 30697, 30698

SE 09026Ba:

Epomophorus crypturus Peters, 1852:
RBINS: 10665.
Hipposideros caffer (Sundevall, 1846):
RBINS: 10799.
Neoromicia nana (Peters, 1852):

RBINS: 10709.
Nycteris G. Cuvier and E. Geoffroy, 1795:
RBINS: 10687, 10688, 10689.
Nycteris macrotis Dobson, 1876:
RBINS: 10811.1, 10811.2, 10811.3, 10811.4, 10811.5, 10811.6, 10811.7, 10811.8, 10811.9, 10813, 10814, 10815, 10816, 10817, 10818, 10819, 10820, 10821, 10822, 10823, 10824, 10825, 10826, 10827, 10828, 10829, 10830, 10831, 10832, 10833, 10834, 10845.
Nycticeinops schlieffenii (Peters, 1859):
RBINS: 10714, 10715, 10719, 10720, 10721, 10722

SE 09026Bc:

Cloeotis percivali Thomas, 1901:
SMF: 21275.
Hipposideros ruber (Noack, 1893):
MHNG: 1047.075, 1047.076, 1047.077, 1047.078, 1047.079. - **RBINS:** 14583, 14584, 14585, 14586, 14587, 14588, 14589.
Miniopterus inflatus rufus Sanborn, 1936:
MHNG: 1046.094, 1046.095.
Miniopterus natalensis (A. Smith, 1833):
RBINS: 14622, 14623, 14624.
Rhinolophus rhodesiae Roberts, 1946:
HNHM: 95.50.1, 95.50.2.
Rhinolophus simulator K. Andersen, 1904:
SMF: 21265, 21266, 21267, 21268, 21269, 21270, 21271, 21272

SE 09026Bb:

Epomophorus labiatus (Temminck, 1837):
RBINS: 10677.
Kerivoula argentata Tomes, 1861:
RBINS: 10708.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RBINS: 10853, 10854, 10855, 10856, 10857

SE 09027Aa:

Cloeotis percivali Thomas, 1901:
RBINS: 10777, 10789, 10792, 10793, 10794, 10796, 10797, 10800, 10802, 10803.
Epomophorus crypturus Peters, 1852:
MNHN: ZM-2011-778, ZM-2011-779.
Epomophorus wahlbergi (Sundevall, 1846):
MNHN: ZM-2011-799, ZM-2011-800, ZM-2011-801, ZM-2011-802, ZM-2011-803.
Hipposideros caffer (Sundevall, 1846):
RBINS: 10761, 10762, 10763, 10764, 10765, 10766, 10767, 10768, 10774, 10778, 10780, 10781, 10784, 10785, 10788, 10795.
Micropteropus pusillus (Peters, 1868):
MNHN: ZM-2011-854, ZM-2011-855.
Miniopterus inflatus Thomas, 1903:
RBINS: 10706.
Miniopterus natalensis (A. Smith, 1833):
RMCA: 27293.
Neoromicia nana (Peters, 1852):
RBINS: 10710.
Nycteris arge Thomas, 1903:
RBINS: 10838.
Nycticeinops schlieffenii (Peters, 1859):
RBINS: 10798.
Otomops martiensseni (Matschie, 1897):
RBINS: 10704.
Rhinolophus Lacépède, 1799:
RBINS: 10773, 10775, 10776, 10779, 10782, 10783, 10786, 10787, 10790, 10791, 1099.
Rhinolophus hildebrandtii Peters, 1878:
RMCA: 27292

SE 10027Ba:

Chaerephon nigeriae Thomas, 1913:
MNHN: ZM-MO-1957-132 A, ZM-MO-1957-132 B.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 424.
Eidolon helvum (Kerr, 1792):
RMCA: 425b.
Epomophorus crypturus Peters, 1852:
RMCA: 16210, 16248.
Hipposideros caffer (Sundevall, 1846):

MNHN: ZM-MO-1957-129.
Hipposideros ruber (Noack, 1893):
RMCA: 16223, 16224.
Mimetillus moloneyi (Thomas, 1891):
RMCA: 386a, 386b, 386c, 386d, 386e, 386f.
Myotis bocagii (Peters, 1870):
RMCA: 425a.
Nycticeinops schlieffenii (Peters, 1859):
RMCA: 18177.
Rhinolophus eloquens K. Andersen, 1905:
RMCA: 387.
Rhinolophus lobatus Peters, 1852:
MNHN: ZM-MO-1957-131

SE 09027Db:

Neoromicia nana (Peters, 1852):
RMCA: 11709

SE 09028Ad:

Macronycteris vittatus (Peters, 1852):
NMZL: 3688.
Miniopterus inflatus Thomas, 1903:
NMZL: 3756, 3757.
Miniopterus natalensis (A. Smith, 1833):
NMZL: 3755.
Neoromicia nana (Peters, 1852):
RMCA: 14589.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
HZM: 44.8597

SE 09028Da:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 26227, 26266, 26282, 26283, 26284, 26286. - **SMF:** 16877.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 26307, 26308, 26309, 26310, 26311, 26312, 26313, 26314, 26315, 26316, 26317, 26318, 26319

SE 09028Bd:

Nycteris hispida (Schreber, 1774):
NMZL: 3686

SE 09029Cd:

Neoromicia nana (Peters, 1852):
NHMZ: 64020

SE 09029Db:

Lavia frons (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 11521

SE 09030Ac:

Epomophorus crypturus Peters, 1852:
KM: 9286.
Epomophorus labiatus (Temminck, 1837):
KM: 9289, 9291.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
KM: 9631

SE 09031Ab:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NMZL: 3459

SE 09031Da:

Eptesicus hottentotus (A. Smith, 1833):
KM: 9661

SE 09032Db:

Neoromicia capensis (A. Smith, 1829):
KM: 9670

SE 09033Ca:

Epomophorus minor Dobson, 1880:
WAM: M52555, M52556, M52558, M52559, M52560, M52561, M52562, M52563, M52566, M52568, M52569, M52570, M52571, M52574

SE 09033Cc:

Rhinolophus hildebrandtii Peters, 1878:
SMF: 79631

SE 09033Ad:

Taphozous perforatus sudani Thomas, 1915:
MCZ: 26724

SE 09033Cb:

Epomophorus dobsonii Bocage, 1889:
ZMA: MAM.26143.
Epomophorus labiatus (Temminck, 1837):
TM: 41744.
Epomophorus minor Dobson, 1880:
FMNH: 196611, 196612, 196613. - **WAM:** M52503, M52504, M52505, M52506, M52507, M52508, M52510, M52518, M52519, M52520, M52521, M52522, M52535, M52536, M52537, M52538, M52539, M52573.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 196610. - **NHMZ:** V2197/63683. - **NMZL:** 3224, 3225, 3226, 3227. - **ZMA:** MAM.26137.
Laephotis botswanae Setzer, 1971:
ZMA: MAM.29650.
Neoromicia nana (Peters, 1852):
MCZ: 43841, 43842, 43843, 43844, 43845, 43846.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.28364.
Pipistrellus hesperidus (Temminck, 1840):
NMZL: 3230.
Rhinolophus blasii Peters, 1867:
FMNH: 196617, 196618, 196619. - **NMZL:** 3229.
Rhinolophus clivosus Cretzschmar, 1828:
BMNH: 1897.10.1.18. - **ZMA:** MAM.28325.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 196182, 196183.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NMZL: 3231.
Stenonycteris lanosus (Thomas, 1906):
ZMA: MAM.24573, MAM.24574, MAM.26074, MAM.26075, MAM.26076, MAM.26149, MAM.26150, MAM.26151, MAM.26152

SE 09033Cd:

Epomophorus minor Dobson, 1880:
WAM: M52528, M52529, M52530, M52531, M52532.
Myotis welwitschii (Gray, 1866):
NMZL: 2573

SE 09033Ba:

Epomophorus labiatus (Temminck, 1837):
MCZ: 26215, 26217, 26218, 26426.
Myotis welwitschii (Gray, 1866):
NMZL: 2698.
Rhinolophus hildebrandtii Peters, 1878:
RMCA: 96.037-M-7165.
Stenonycteris lanosus (Thomas, 1906):
RMCA: 96.037-M-7152

SE 09033Bc:

Eidolon helvum (Kerr, 1792):
ZMB: 54941.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 96.037-M-7145, 96.037-M-7146, 96.037-M-7147, 96.037-M-7148, 96.037-M-7149.

Glauconycteris argentata (Dobson, 1875):
AMNH: 81386, 81387.
Miniopterus natalensis (A. Smith, 1833):
RMCA: 96.037-M-7164.
Myotis welwitschii (Gray, 1866):
RMCA: 96.037-M-7158, 96.037-M-7159, 96.037-M-7160, 96.037-M-7161, 96.037-M-7162, 96.037-M-7163, 96.037-M-7215.
Neoromicia nana (Peters, 1852):
AMNH: 81381, 81382, 81383, 81384, 81385, 81388, 81389, 81390, 81391, 81392, 81393, 81394, 81395, 81396, 81397, 81398, 81399, 81400, 81401, 81402, 81403, 81404, 81405, 81406, 81407, 81408, 81409, 81410, 81411, 81412, 81413, 81414, 81415, 81416, 81417, 81418, 81419, 81420, 81421, 81422, 81425, 81426, 81427, 81428.
Rhinolophus clivosus Cretzschmar, 1828:
RMCA: 96.037-M-7166.
Rhinolophus simulator K. Andersen, 1904:
AMNH: 81423, 81424.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 96.037-M-7153, 96.037-M-7154, 96.037-M-7155, 96.037-M-7156, 96.037-M-7157

SE 09033Da:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 196184, 196185, 196186, 196187, 196188, 196189, 196190, 196191, 196620, 196621, 196622, 196623, 196624, 196625, 196626, 196627.
Epomophorus minor Dobson, 1880:
WAM: M52584, M52585, M52586, M52587, M52588.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 196175, 196176, 196177, 196604, 196605, 196606, 196607, 196608, 196609. - **WAM:** M41583.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 64282.
Kerivoula argentata Tomes, 1861:
NHMZ: 60645.
Myonycteris angolensis (Bocage, 1898):
FMNH: 196614, 196615.
Rhinolophus blasii Peters, 1867:
FMNH: 196178.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 196179.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 196180, 196181.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 62132.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 196616

SE 09033Db:

Epomophorus labiatus (Temminck, 1837):
MCZ: 26216, 26219.
Glauconycteris argentata (Dobson, 1875):
MCZ: 26227, 26228, 26229.
Rhinolophus hildebrandtii Peters, 1878:
SMF: 85542.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MCZ: 26226, 26270

SE 09033Dd:

Epomophorus anselli Bergmans and Van Strien, 2004:
NMMB: 74ROM923, 74ROM929, 74ROM937, 74ROM940.
Epomophorus crypturus Peters, 1852:
HZM: 4.2199. - **NMMB:** 74ROM941, 74ROM942. - **WAM:** M41433, M41437.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1920.6.26.1a, 1920.6.26.1b. - **HZM:** 12.2198, 13.2204, 20.2621, 21.2638, 22.2639, 9.1926. - **NMMB:** 74ROM928, 74ROM930, 74ROM932, 74ROM934, NM500. - **SMF:** 93228, 93229, 93230, 93231, 93232, 93233, 93234, 93235, 93236. - **ZMA:** MAM.26102.
Epomophorus minor Dobson, 1880:
WAM: M41387, M41438, M41439, M41440, M52398, M52399, M52400, M52401, M52402, M52403, M52404, M52434, M52435, M52533, M52553, M52567.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
HZM: 14.2622. - **ZMA:** MAM.28342.
Neoromicia nana (Peters, 1852):
HZM: 200.6581.
Nycteris macrotis Dobson, 1876:
ZMA: MAM.28347.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.28363.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
WAM: M41388, M41405, M41406, M41432

SE 10034Aa:

Nycteris macrotis Dobson, 1876:
NHMZ: 64251

SE 09034Ac:

Myotis bocagii (Peters, 1870):
SMF: 85544, 85545.
Neoromicia nana (Peters, 1852):
MCZ: 26431, 26432, 26434, 26435, 26436, 26437, 26438, 26439, 26440.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 26427, 26428, 26429, 26430

SE 09034Ca:

Chaerephon bivittatus (Heuglin, 1861):
ZMB: T09291.
Nycticeinops schlieffenii (Peters, 1859):
ZMB: 54260, 54261, 54262

SE 09034Dd:

Rhinolophus Lacépède, 1799:
YPM: MAM 004288

SE 09035Cb:

Chaerephon pumilus (Cretzschmar, 1826):
ZMB: T10292.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
ZMB: 67841.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMB: 5603

SE 09035Bc:

CHIROPTERA Blumenbach, 1779:
ZMB: T10195.
Epomophorus wahlbergi (Sundevall, 1846):
AMS: M.29938.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMB: T10194

SE 09036Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1975.2445

SE 09037Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1460, 1964.1461, 1964.1462

SE 09037Dd:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 179285. - **ROM:** 35321. - **SMF:** 19477, 19478.
Epomophorus crypturus Peters, 1852:
BMNH: 1964.1333. - **HZM:** 2.1347, 3.1359, 39.6343.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1964.1327, 1964.1329. - **HZM:** 25.6344.
Mimetillus thomasi Hinton, 1920:
BMNH: 1964.1786, 1964.1787, 1964.1788.
Mops (Mops) condylurus (A. Smith, 1833):
BMNH: 1964.1948, 1964.1949, 1964.1950.
Neoromicia nana (Peters, 1852):
HZM: 165.5321.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
HZM: 1.3529.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 179289. - **BMNH:** 1964.1435, 1964.1436. - **SMF:** 29030.
Scotophilus viridis (Peters, 1852):
BMNH: 1964.1771.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
CAWM: 4951

SE 09038Ad:

Neoromicia nana (Peters, 1852):
AMNH: 179292, 179293.
Nycteris macrotis Dobson, 1876:
BMNH: 1964.1373.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 256336

SE 09039Aa:

Nycteris grandis Peters, 1865:
BMNH: 1964.1349.
Nycteris macrotis Dobson, 1876:
BMNH: 1964.1358, 1964.1359, 1964.1360, 1964.1361, 1964.1362.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1964.1413

SE 09039Ca:

Rhinolophus deckenii Peters, 1868:
AMNH: 208338, 208339, 208340, 208341, 208342, 208343

SE 09039Cd:

Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 54196.
Hipposideros ruber (Noack, 1893):
ZMB: 67702.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1931.7.1.1, 1931.7.1.2

SE 10039Ba:

Chaerephon pumilus (Cretzschmar, 1826):
ZMB: 9238.
Coleura afra (Peters, 1852):
ZMB: 67426.
Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 9252.
Hipposideros caffer (Sundevall, 1846):
ZMB: 4240b, 9239, 9241, 9242.
Rhinolophus darlingi K. Andersen, 1905:
SMF: 79642.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ZMB: 9246

SE 09039Dc:

Nycteris grandis Peters, 1865:
ZMB: T10290, T10291

SE 09046Ac:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 205318, 205319.
Paratriaenops pauliani (Goodman and Ranivo, 2008):
BMNH: 1913.2.18.1, 1913.2.18.2, 1978.185. - **CUMZ:** E5609.A, E5609.B. - **FMNH:** 185795.
Pteropus aldabrensis True, 1893:
USNM: 568923

SE 09046Ad:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 20991.
Chaerephon pusillus (Miller, 1902):
BMNH: 1966.5573.

Pteropus aldabrensis True, 1893:
BMNH: 1939.1333. - **MNHN:** ZM-MO-1956-637. - **USNM:** 20984, 20985, 20989, 62061

SE 10014Aa:

Chaerephon pumilus (Cretzschmar, 1826):
IICA: 4726

SE 10014Cd:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 62518.
Myonycteris angolensis (Bocage, 1898):
BMNH: 1935.1.6.10, 1935.1.6.11.
Myonycteris angolensis angolensis (Bocage, 1898):
BMNH: 1935.1.6.8, 1935.1.6.9

SE 10015Ab:

Epomophorus wahlbergi (Sundevall, 1846):
YPM: MAM 000175

SE 10015Cb:

Neoromicia nana (Peters, 1852):
IICA: 4990

SE 10016Ca:

Epomophorus wahlbergi (Sundevall, 1846):
IICA: 6711.
Plerotes anchietae (Seabra, 1900):
IICA: 6735

SE 10016Ad:

Epomophorus wahlbergi (Sundevall, 1846):
IICA: 6825

SE 10017Da:

Epomophorus wahlbergi (Sundevall, 1846):
IICA: 1122

SE 10017Dc:

Epomophorus wahlbergi (Sundevall, 1846):
IICA: 1312

SE 10019Cc:

Epomophorus dobsonii Bocage, 1889:
MDL: 5423.
Myotis welwitschii (Gray, 1866):
MDL: 5476.
Neoromicia nana (Peters, 1852):
MDL: 5477a, 5477b.
Nycteris hispida (Schreber, 1774):
BMNH: 1963.1027. - **MDL:** 11165, 11165a, 5478.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1963.1037. - **MDL:** 4169a, 4169b, 5475a, 5475b

SE 10019Ba:

Nycteris hispida (Schreber, 1774):
MDL: 5362

SE 10020Ac:

Nycteris macrotis Dobson, 1876:
YPM: MAM 000191

SE 10021Ca:

Epomophorus wahlbergi (Sundevall, 1846):
HZM: 15.4236

SE 10022Ad:

CHIROPTERA Blumenbach, 1779:
RMCA: 18230.
Eidolon helvum (Kerr, 1792):
RMCA: 12024.
Epomophorus labiatus (Temminck, 1837):
RMCA: 18228, 18229.
Myotis welwitschii (Gray, 1866):
RMCA: 12661.
Neoromicia nana (Peters, 1852):
RMCA: 19076, 19077

SE 10022Db:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 152991

SE 10023Ad:

Epomophorus crypturus Peters, 1852:
CM: 21806. - **RMCA:** 21806.
Hipposideros ruber (Noack, 1893):
RMCA: 21278.
Macronycteris vittatus (Peters, 1852):
RMCA: 27891.
Nycteris hispida (Schreber, 1774):
RMCA: 21807

SE 10024Cc:

Epomophorus dobsonii Bocage, 1889:
NHMZ: 11552, 11553.
Epomophorus wahlbergi (Sundevall, 1846):
AMS: M.9948. - **HNHM:** 76.149.1. - **HZM:** 18.4368, 30.11541. - **MSB:** 34602. - **NHMZ:** 20243, 20244. - **ROM:** 73960.
Micropteropus pusillus (Peters, 1868):
NMZL: 3601.
Myonycteris angolensis (Bocage, 1898):
NHMZ: 11555.
Myonycteris torquata (Dobson, 1878):
BMNH: 1963.534, 1963.535, 1965.534, 1965.535. - **NHMZ:** 11556.
Neoromicia nana (Peters, 1852):
NHMZ: 29884. - **NMZL:** 3693.
Nycteris hispida (Schreber, 1774):
NHMZ: 11554

SE 10025Ac:

Neoromicia nana (Peters, 1852):
RBINS: 14524, 14525, 14526, 14527, 14528

SE 10025Ca:

Epomophorus crypturus Peters, 1852:
BMNH: 1954.786. - **RBINS:** 13107. - **RMCA:** 22485, 22486, 22491.
Epomophorus dobsonii Bocage, 1889:
RBINS: 1790, 1790B, 1811a, 1811b.
Epomophorus wahlbergi (Sundevall, 1846):
RBINS: 13280, 13281, 13282.
Rhinolophus lobatus Peters, 1852:
RBINS: 15455.1, 15455.2

SE 10025Cb:

Epomophorus crypturus Peters, 1852:
OSU: 3817

SE 10025Cd:

Epomophorus crypturus Peters, 1852:
BMNH: 1907.12.13.2.
Hipposideros ruber (Noack, 1893):
RMCA: 22090, 22091, 22092, 22093, 22094, 22095, 22096, 22097, 22098, 22099, 22100, 22101.
Nycticeinops schlieffenii (Peters, 1859):
BMNH: 1907.12.13.3, 1907.12.13.4

SE 10025Da:

Pipistrellus Kaup, 1829:
RMCA: 90.006-M-0001

SE 10025Bd:

Epomophorus dobsonii Bocage, 1889:
RMCA: 8243

SE 10026Ca:

Miniopterus natalensis (A. Smith, 1833):
RBINS: 14625.
Rhinolophus hildebrandtii Peters, 1878:
RBINS: 14427, 14430, 14431, 14435, 14439, 14440, 14443, 14444, 14445, 14446, 14449. - **SMF:** 19068

SE 10026Cc:

Rhinolophus rhodesiae Roberts, 1946:
MHNG: 1046.005

SE 10026Cb:

Epomophorus crypturus Peters, 1852:
RMCA: 21874, 21875.
Neoromicia nana (Peters, 1852):
RMCA: 22379.
Rhinolophus lobatus Peters, 1852:
RMCA: 22380

SE 10026Dc:

Chaerephon ansorgei (Thomas, 1913):
RMCA: 28210.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 33985.
Cloeotis percivali Thomas, 1901:
SMF: 18920, 18921.
Eidolon helvum (Kerr, 1792):
RMCA: 34247, 34248, 34249.
Epomophorus crypturus Peters, 1852:
BMNH: 1955.136. - **MHNG:** 1046.035. - **RBINS:** 14595, 14596, 14597. - **RMCA:** 26254, 26716, 26776, 27591, 27594, 27916, 27917, 27918.
Epomophorus dobsonii Bocage, 1889:
BMNH: 1907.12.13.1.
Hipposideros caffer (Sundevall, 1846):
CAS: 12496, 12527. - **RBINS:** 17206.01, 17206.02, 17206.03, 17206.04, 17206.05, 17206.06, 17206.07, 17206.08, 17206.09, 17206.10.
Hipposideros ruber (Noack, 1893):
MHNG: 1046.037, 1046.038, 1046.039, 1046.040, 1046.041, 1047.067, 1047.068, 1047.069, 1047.070, 1047.071, 1047.072, 1047.073, 1047.074, 922.095, 922.096. - **RBINS:** 14563, 14564, 14565, 14566, 14567, 14568, 14569, 14570, 14571, 14572, 14573, 14574, 14575, 14581, 14582. - **RMCA:** 11522, 11669, 11670, 11671, 11672, 11673, 11674, 11675, 11676, 11677, 11678, 11679, 11680, 11681, 11682, 11683, 11684, 11685, 11686, 11687, 11688, 11689, 11690, 11691, 11692, 11693, 11694, 11695, 22489, 22490, 22638, 22639, 22640, 22641, 22642, 22643, 22644, 22645, 22646, 22647, 22648, 22649, 22650, 22651, 22851, 22852, 22853, 22854, 22855, 22856, 22857, 22858, 22859, 22860, 22861, 22862, 22863, 22864, 22865, 22866, 22867, 22868, 22869, 22870, 22871, 22872, 22873, 22874, 22875, 22876, 22877, 22878, 22879, 22880, 22881, 22882, 22883, 22884, 22885, 22891, 22892, 22893, 22894, 22895, 22896, 23814, 23859, 23861, 23862, 23863, 23864, 26232, 26246, 26247, 26251, 26252, 26253, 26255, 26725, 26726, 26744, 26746, 27537, 28167, 28168, 28170, 28175, 28177, 28178, 28180, 28182, 28183, 28185, 28186, 28187, 28188, 28189, 28190, 31215, 31216, 33066, 33067, 34714, 34715, 34716, 34717, 34718, 34719, 34720, 34721, 34722, 34723, 34724, 34725, 34726, 34727, 34728, 34729, 34730, 34731, 34732, 34733, 34734, 34735, 34736, 34737, 34738, 34739, 34740, 34741, 34742, 34743, 34744, 34745, 34746, 34747, 34748, 34749, 34750, 34751, 34752, 34753, 34754, 34755, 34756, 34757, 34758, 34759, 34760, 34761, 34762, 34763. - **SMF:** 18922, 18923, 18924, 18925.
Macronycteris gigas (Wagner, 1845):
BMNH: 1954.820.

Macronycteris vittatus (Peters, 1852):
RMCA: 22686, 33992.
Megaloglossus woermanni Pagenstecher, 1885:
RMCA: 33065, 38566.
Miniopterus inflatus Thomas, 1903:
BMNH: 1959.513, 1959.514, 1959.515. - **RBINS:** 1696, 1697. - **RMCA:** 26212, 26248, 26249, 26265, 26740, 27548, 27549, 27550, 27551, 27552, 27554, 27555, 27559, 27560, 27561, 27562, 27563, 27564, 33989, 33990, 33993, 33994, 33995, 33996, 34010, 34011, 34012, 34013, 34014, 34015, 34016, 34017.
Miniopterus natalensis (A. Smith, 1833):
CAS: 12510, 12511, 12512, 12513, 12535. - **MHNG:** 1046.072, 1046.073, 1046.074, 1046.075, 1046.076, 1046.077, 1046.078. - **RBINS:** 14618, 14619. - **RMCA:** 23900, 26727, 26728, 26729, 26730, 26731, 26732, 26733, 26734, 26735, 26736, 26737, 26738, 26739, 26741, 26745, 26754, 26755, 26790, 26805, 26809, 26879, 27553, 27556, 27557, 27558, 27565, 27566, 27567, 27568, 27569, 27570, 27571, 27572, 27573, 27574, 27575, 27576, 27577, 27578, 27579, 27580, 28166, 28215, 28216, 28217, 28218, 28219, 28220, 28221, 28222, 28223, 28224, 28225, 28226, 28227, 28228, 28229, 28230, 28231, 28232, 28233, 28234, 28235, 28236, 28237, 28238, 28239, 28240, 28241, 28242, 28243, 28244, 28245, 28246, 28247, 28248, 28249, 28250, 28251, 28252, 28253, 28254, 28255, 28256, 28257, 28258, 28259, 28260, 28261, 28262, 28263, 28264, 28265, 28266, 28267, 28268, 28269, 28270, 28271, 28272, 28273, 28274, 28275, 28276, 28277, 28278, 28279, 28280, 28281, 28282, 28283, 28284, 28285, 28286, 28287, 28288, 28289, 28290, 28291, 28292, 28293, 28294, 28295, 28296, 28297, 28298, 28299, 28300, 28301, 28302, 28303, 28304, 28305, 28306, 28307, 28308, 28309, 28310, 28311, 28312, 28313, 28314, 28315, 28316, 28317, 31218, 31219, 31220.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 14559. - **RMCA:** 26213, 27541, 27542, 27543, 27544, 27545, 27546, 27547, 27899, 27900, 27901, 27902, 27903, 27904.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
MHNG: 1046.029. - **SMF:** 18942, 18943.
Myonycteris angolensis (Bocage, 1898):
RMCA: 27592, 27593, 33064.
Myotis tricolor (Temminck, 1832):
MHNG: 1046.024. - **SMF:** 18919.
Neoromicia nana (Peters, 1852):
RBINS: 14529, 14530, 14531. - **RMCA:** 22888, 27581, 27582, 27583, 27584, 33068a.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1955.146. - **RMCA:** 22890.
Pipistrellus rueppellii (Fischer, 1829):
RMCA: 27586.
Rhinolophus clivosus Cretzschmar, 1828:
RBINS: 14513. - **RMCA:** 26256, 26257, 27538, 28212.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 28169, 28171, 28172, 28173, 28174, 28176, 28179, 28181, 28184.
Rhinolophus hildebrandtii Peters, 1878:
MHNG: 1046.066a, 1046.066b. - **MNHN:** ZM-MO-1957-130 A. - **RBINS:** 14428, 14433, 14436, 14437, 14438, 14441, 14448, 14451. - **RMCA:** 22687, 22889, 22897, 23816, 23866, 26215, 26233, 26250, 26742, 26743, 26781, 26833, 26851, 27539, 27905, 28156, 28157, 28158, 28159, 28160, 28161, 28162, 28163, 28164, 28165, 28211, 28318, 31209, 31210, 31211, 31212, 31213, 31214, 33999, 34000, 34001. - **SMF:** 18914, 18915, 18917, 18918, 19571, 19572.
Rhinolophus lobatus Peters, 1852:
RBINS: 14495, 14496, 14497, 14498, 14499, 14500, 14501, 14502, 14503, 14504. - **RMCA:** 22652, 22653, 22886, 22887, 23815, 23860, 23865, 23867, 23868, 26231, 26722, 26723, 26724, 26747, 26748, 26749, 26750, 26751, 26752, 26753, 26756, 26773, 26877, 26878, 27540, 28213, 28214, 28319, 28320. - **SMF:** 19576, 19577.
Rhinolophus rhodesiae Roberts, 1946:
MHNG: 1046.045, 1046.046, 1046.047, 1046.048, 1046.049. - **RBINS:** 14476, 14478, 14479.
Rhinolophus simulator K. Andersen, 1904:
RMCA: 33997, 33998. - **SMF:** 19079, 19080, 19081.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1954.778, 1954.779, 1954.780, 1954.781. - **RBINS:** 14600, 14601. - **RMCA:** 22483, 22484, 22615, 22616, 22617, 22618, 22619, 22620, 22621, 22622, 22623, 22624, 22625, 22626, 22627, 22628, 22629, 22630, 22631, 22632, 22633, 22634, 22635, 22636, 22637, 26214, 26258, 26259, 26260, 26261, 26262, 26263, 26264, 26798, 29219.
Scotophilus dinganii (A. Smith, 1833):
RBINS: 14452, 14453. - **RMCA:** 27585, 31217, 33986.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 22898, 22899.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
RMCA: 22487, 22488, 22602, 22603, 22604, 22605, 22606, 22607, 22608, 22609, 22610, 22611, 22612, 22613, 22614, 27898.
Taphozous perforatus sudani Thomas, 1915:
MHNG: 1046.096

SE 10026Bd:

Neoromicia nana (Peters, 1852):
RMCA: 28803.
VESPERTILIONOIDEA Gray, 1821:
RMCA: 28802

SE 10026Db:

Epomophorus Bennett, 1836:
RMCA: 26210.
Epomophorus crypturus Peters, 1852:
MNHN: ZM-2011-727, ZM-2011-728, ZM-2011-729, ZM-2011-730, ZM-2011-731, ZM-2011-732, ZM-2011-733, ZM-2011-734, ZM-2011-735, ZM-2011-736, ZM-2011-737, ZM-2011-738, ZM-2011-739, ZM-2011-740, ZM-2011-741, ZM-2011-742.
Macronycteris vittatus (Peters, 1852):
RMCA: 26211, 33991.
Myonycteris torquata (Dobson, 1878):
MNHN: ZM-2011-856, ZM-2011-857, ZM-2011-858.
Myotis welwitschii (Gray, 1866):
MHNG: 1891.002.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 33987, 33988

SE 10026Dd:

Eidolon helvum (Kerr, 1792):
BMNH: 1909.1.3.1.
Epomophorus crypturus Peters, 1852:
RMCA: 27607.
Kerivoula argentata Tomes, 1861:
RBINS: 14470, 14471. - **SMF:** 19574, 19575.
Miniopterus inflatus Thomas, 1903:
RMCA: 34007, 34008, 34009.
Nycticeinops schlieffenii (Peters, 1859):
BMNH: 1907.12.13.5, 1907.12.13.6.
Rhinolophus hildebrandtii Peters, 1878:
MHNG: 1046.065. - **SMF:** 18940, 18941.
Rhinolophus rhodesiae Roberts, 1946:
MHNG: 1046.044.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MHNG: 1046.032, 1046.033, 1046.034. - **RMCA:** 26711, 26712, 26713, 26714, 26715, 26777, 26778, 26779, 26780, 27595, 27596, 27597, 27598, 27599, 27600, 27601, 27602, 27603, 27604, 27605, 27606, 27608, 27609, 27610, 27611, 27612, 27613, 27614, 27615, 27616, 27617, 27618, 27619, 27620, 27621, 27915.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
RMCA: 26707, 26708, 26709, 26710, 27587, 27588, 27589, 27590, 34002, 34003, 34004, 34005, 34006. - **SMF:** 18944, 18945, 21298.
Taphozous perforatus sudani Thomas, 1915:
BMNH: 1959.506, 1959.507. - **MHNG:** 1046.030, 1046.031. - **RBINS:** 14512

SE 10027Ab:

Macronycteris vittatus (Peters, 1852):
RMCA: 495

SE 10027Cb:

Neoromicia nana (Peters, 1852):
RMCA: 26330, 26331

SE 10027Cd:

Chaerephon ansorgei (Thomas, 1913):
BMNH: 1959.502, 1959.503, 1959.504, 1959.505. - **MHNG:** 1046.025, 1046.026, 1046.027, 1046.028. - **RMCA:** 26757, 26758, 26759, 26760, 26761, 26762, 26763, 26764, 26765, 26766, 26767, 26768, 26769, 26770, 26771, 26772, 28208, 28209.
Miniopterus natalensis (A. Smith, 1833):
RBINS: 14602, 14603, 14604, 14605, 14606, 14607, 14608, 14609, 14620, 14621.
Rhinolophus fumigatus Rüppell, 1842:
RMCA: 27532, 27533, 27534, 27535, 27536.
Rhinolophus rhodesiae Roberts, 1946:
RBINS: 14472, 14486

SE 10027Bc:

Epomophorus crypturus Peters, 1852:
MNHN: ZM-2011-743, ZM-2011-744, ZM-2011-745, ZM-2011-746, ZM-2011-747, ZM-2011-748, ZM-2011-749, ZM-2011-750, ZM-2011-751, ZM-2011-752, ZM-2011-753, ZM-2011-754, ZM-2011-755.
Plerotes anchietae (Seabra, 1900):
MNHN: ZM-2011-860

SE 10027Da:

Eidolon helvum (Kerr, 1792):
MNHN: ZM-2011-714, ZM-2011-715, ZM-2011-716, ZM-2011-717, ZM-2011-718, ZM-2011-719, ZM-2011-720, ZM-2011-721, ZM-2011-722, ZM-2011-723, ZM-2011-724, ZM-2011-725.
Myonycteris angolensis (Bocage, 1898):
MNHN: ZM-2011-804, ZM-2011-805, ZM-2011-806.
Myotis bocagii (Peters, 1870):
RMCA: 11131, 11132.
Neoromicia nana (Peters, 1852):
RMCA: 11129, 11130

SE 10027Bd:

Epomophorus Bennett, 1836:
MNHN: ZM-2011-788.
Epomophorus crypturus Peters, 1852:
MNHN: ZM-2011-757, ZM-2011-758

SE 10028Cb:

Hipposideros ruber (Noack, 1893):
RMCA: 23803

SE 10028Bc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 22466, 22467, 22468, 22469.
Epomophorus crypturus Peters, 1852:
RMCA: 26273.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 22459, 22460, 22461.
Neoromicia nana (Peters, 1852):
RMCA: 22440

SE 10029Dd:

Myotis welwitschii (Gray, 1866):
SMF: 12145.
Neoromicia nana (Peters, 1852):
SMF: 12143, 12144

SE 10031Aa:

Chaerephon nigeriae Thomas, 1913:
KM: 9663.
Eidolon helvum (Kerr, 1792):
KM: 9293.
Epomophorus dobsonii Bocage, 1889:
KM: 9683.
Epomophorus labiatus (Temminck, 1837):
NHMZ: 20072.
Hipposideros caffer (Sundevall, 1846):
KM: 9650.
Kerivoula lanosa (A. Smith, 1847):
KM: 9655.
Neoromicia capensis (A. Smith, 1829):
KM: 9671.
Neoromicia nana (Peters, 1852):
HZM: 45.2536, 49.2652.
Plerotes anchietae (Seabra, 1900):
BMNH: 1963.45.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 9633

SE 11031Ba:

Neoromicia capensis (A. Smith, 1829):
CAS: 6379, 6380

SE 10031Bd:

Epomophorus labiatus (Temminck, 1837):
KM: 9623

SE 10032Cb:

Epomophorus crypturus Peters, 1852:
HZM: 70.11570

SE 11033Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1937.12.8.21

SE 10033Ad:

Myotis welwitschii (Gray, 1866):
NMZL: 2572.
Neoromicia nana (Peters, 1852):
AMNH: 218898, 218899

SE 10033Cb:

Miniopterus natalensis (A. Smith, 1833):
NMZL: 3752, 3753, 3754

SE 10033Cd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.28370

SE 10033Da:

Eidolon helvum (Kerr, 1792):
NMZL: 3539.
Miniopterus natalensis (A. Smith, 1833):
NMZL: 3751.
Myotis welwitschii (Gray, 1866):
FMNH: 191592.
Rhinolophus clivosus Cretzschmar, 1828:
BMNH: 1966.5444.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 191585, 191587.
Rhinolophus rhodesiae Roberts, 1946:
FMNH: 191591.
Tadarida ventralis (Heuglin, 1861):
NMZL: 2253

SE 10033Bb:

Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-MO-1999-113, ZM-MO-1999-114.
Neoromicia rendalli (Thomas, 1889):
MNHN: ZM-MO-1999-123.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1999-122

SE 10033Bd:

Plerotes anchietae (Seabra, 1900):
SMF: 85744

SE 10033Db:

Epomophorus dobsonii Bocage, 1889:
ZMA: MAM.26142.
Neoromicia nana (Peters, 1852):
FMNH: 211516, 211517, 211518, 211519, 211520, 211521, 211522, 211523, 211524, 211525, 211526, 211530.
Pipistrellus hesperidus (Temminck, 1840):
DCDH: 2640, 2641, 2643, 2646, 2650.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
BMNH: 1987.1097, 1987.1098. - **FMNH:** 191593, 191594.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 191586.
Rhinolophus simulator K. Andersen, 1904:
FMNH: 191588, 191589, 191590

SE 10034Ca:

Epomophorus dobsonii Bocage, 1889:
BMNH: 1934.6.4.1.
Myotis welwitschii (Gray, 1866):
NHMZ: 57880

SE 10034Db:

Epomophorus labiatus (Temminck, 1837):
HZM: 33.18744, 34.18745, 35.18746, 38.18749, 39.18750, 40.18751, 41.18752, 42.18753.
Epomophorus wahlbergi (Sundevall, 1846):
HZM: 38.18743

SE 10035Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMTD: B8182

SE 10035Da:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1951.381

SE 10036Bb:

Nycteris macrotis Dobson, 1876:
BMNH: 1964.1372

SE 10038Ba:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 35307. - **SMF:** 19475, 19476

SE 10038Bb:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 96.037-M-7167.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 96.037-M-7170

SE 10038Bd:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 35320. - **SMF:** 19463. - **WAM:** M16527.
Epomophorus crypturus Peters, 1852:
HZM: 10.2791, 11.2792, 12.2793, 33.4822, 34.4823, 9.2790.
Mops (Mops) condylurus (A. Smith, 1833):
BRTC: 22835. - **SMF:** 19479.
Neoromicia nana (Peters, 1852):
ROM: 35318.
Nycteris macrotis Dobson, 1876:
ROM: 35309

SE 10039Ab:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 96.037-M-7168, 96.037-M-7169.
Epomophorus wahlbergi (Sundevall, 1846):
HZM: 23.5303, 7.2900. - **RMCA:** 96.037-M-7150, 96.037-M-7151.
Myotis welwitschii (Gray, 1866):
SMF: 82545.
Neoromicia nana (Peters, 1852):
HZM: 146.5161, 147.5162, 33.2592. - **RMCA:** 96.037-M-7175, 96.037-M-7176, 96.037-M-7177, 96.037-M-7178, 96.037-M-7179, 96.037-M-7180, 96.037-M-7181, 96.037-M-7182, 96.037-M-7183, 96.037-M-7184, 96.037-M-7185, 96.037-M-7186, 96.037-M-7187, 96.037-M-7188, 96.037-M-7189, 96.037-M-7190, 96.037-M-7191, 96.037-M-7192, 96.037-M-7193, 96.037-M-7194, 96.037-M-7195, 96.037-M-7196, 96.037-M-7197, 96.037-M-7198, 96.037-M-7199, 96.037-M-7200, 96.037-M-7201, 96.037-M-7202, 96.037-M-7203, 96.037-M-7204, 96.037-M-7205, 96.037-M-7206, 96.037-M-7207, 96.037-M-7208, 96.037-M-7209, 96.037-M-7210, 96.037-M-7211, 96.037-M-7212, 96.037-M-7213, 96.037-M-7214, 96.037-M-7216, 96.037-M-7217, 96.037-M-7218, 96.037-M-7219, 96.037-M-7220, 96.037-M-7221, 96.037-M-7222, 96.037-M-7223, 96.037-M-7224, 96.037-M-7225, 96.037-M-7226, 96.037-M-7227.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 96.037-M-7172

SE 10039Cd:

Epomophorus crypturus Peters, 1852:
HZM: 32.4746, 35.5231, 36.5232, 37.5233, 40.6650, 41.6651.
Macronycteris vittatus (Peters, 1852):
ROM: 35316, 35317

SE 10039Ba:

Kerivoula argentata Tomes, 1861:
SMF: 82538.
Myotis bocagii (Peters, 1870):
SMF: 82544.
Neoromicia rendalli (Thomas, 1889):
SMF: 82539.
Rhinolophus hildebrandtii Peters, 1878:
SMF: 82529

SE 10040Ac:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 25752, 25753, 25754, 27442b, 27446, 27447, 27448, 27449, 27450, 27451, 27452, 27453, 27454, 27455, 27456, 27457, 27458, 27459, 27460, 27461, 27462, 27463, 27464, 27465, 27466, 27467, 27468, 27469, 27470, 27471, 27472, 27473, 27474, 27475, 27476, 27477, 27478.
CHIROPTERA Blumenbach, 1779:
ZMB: T10003.
Eidolon helvum (Kerr, 1792):
SMF: 26973, 26974, 26975, 26976, 26977, 26978.
Epomophorus labiatus (Temminck, 1837):
ZMB: 54513.
Epomophorus wahlbergi (Sundevall, 1846):
MCZ: 38840. - **SMF:** 26930, 26962, 26963, 26964, 26966, 26968, 26970. - **ZFMK:** 1964.0870, 1964.0871, 1964.0872, 1964.0874, 1964.0875. - **ZMB:** 67053.
Hipposideros caffer (Sundevall, 1846):
ZMB: 67662.
Kerivoula argentata Tomes, 1861:
ZMB: 67810, 67811.
Lavia frons (E. Geoffroy St.-Hilaire, 1810):
SMF: 26870, 26871, 26872, 26873, 26874, 26875, 26876, 26882, 26883. - **ZMB:** 67852.
Mops (Mops) condylurus (A. Smith, 1833):
SMF: 25757, 27479, 27480, 27481, 27482, 27483, 27484, 27485, 27486, 27487.
Nycteris grandis Peters, 1865:
SMF: 26936.
Nycteris macrotis Dobson, 1876:
SMF: 26869, 28253, 28254. - **ZFMK:** 1964.0886.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 25758, 25759, 25760, 25761, 26903, 26904, 26905, 26906, 26907, 26908, 26909, 26910, 26911, 26912, 26913, 26914, 26915, 26916, 26917, 26918, 26919, 27426, 27428, 27429, 27430, 27431, 27432, 27434, 27435, 27436, 27437, 27438, 27439, 27440, 27441, 27442a, 27443, 27444, 27445. - **ZFMK:** 1964.0885, 1964.0887, 1964.0888, 1964.0889, 1964.0890, 1964.0891, 1964.0892, 1964.0893, 1964.0894, 1964.0895, 1964.0896. - **ZMB:** T10005.
Rhinolophus Lacépède, 1799:
ZMB: T09998.
Rhinolophus hildebrandtii Peters, 1878:
SMF: 26878.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
SMF: 26884, 26885, 26888, 26889, 26892, 26893, 26894, 26895, 26896, 26897, 26898, 26899, 26900, 26901, 26902, 26920, 26921, 26922, 26923, 26924, 26925, 26926, 26927, 26928, 26929, 26981. - **ZMB:** T10000, T10001.
Triaenops afer Peters, 1877:
MCZ: 38836

SE 10040Ca:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 38825.
Mops (Mops) condylurus (A. Smith, 1833):
MCZ: 38826, 38827, 38828, 38829, 38830, 38831, 38832, 38833, 38834, 38835

SE 11013Bd:

Coleura afra (Peters, 1852):
IICA: 5233.
Otomops martiensseni (Matschie, 1897):
IICA: 5237

SE 11014Ab:

Epomophorus dobsonii Bocage, 1889:
FMNH: 84020.
Epomops franqueti (Tomes, 1860):
FMNH: 84021.
Hypsignathus monstrosus H. Allen, 1862:
FMNH: 83588.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
FMNH: 83592, 84033, 84034

SE 11017Aa:

Hypsugo anchietae (Seabra, 1900):
AMNH: 87243.
Laephotis angolensis Monard, 1935:
AMNH: 87244

SE 11017Ac:

Chaerephon ansorgei (Thomas, 1913):
BMNH: 1910.4.8.4.
Chamtwaria pickfordi Butler, 1984:
AMNH: 85528.
Epomophorus angolensis Gray, 1870:
AMNH: 88071.
Epomophorus dobsonii Bocage, 1889:
AMNH: 85521, 85522, 88067, 88068, 88069, 88072, 88073, 88074, 88076, 88077, 88079, 88080, 88081, 88082, 88083, 88084, 88085, 88086, 88087, 88088, 88089, 88090, 88091, 88092, 88370. - **KU:** 125196.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 85519, 88070, 88075, 88078. - **ZMB:** 9969, 9970, 9971.
Hypsugo anchietae (Seabra, 1900):
AMNH: 85529, 86640, 88100, 88101, 88102, 88111, 88112.
Micropteropus pusillus (Peters, 1868):
ZMB: 5851.
Mimetillus thomasi Hinton, 1920:
AMNH: 88093, 88098, 88113, 88599.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
AMNH: 85525, 88116.
Neoromicia capensis (A. Smith, 1829):
AMNH: 88094, 88097. - **CM:** 7017, 7018.
Neoromicia flavescens (Seabra, 1900):
AMNH: 85530, 85535, 86629, 86630, 86631, 86632, 86633, 86634, 86635, 86636, 86637, 86638, 86639, 86641, 86642, 86643, 88096.
Neoromicia nana (Peters, 1852):
AMNH: 88095, 88099, 88103, 88104, 88105, 88106, 88107, 88108, 88109, 88110, 88114, 88598. - **ZMB:** 5992.
Otomops martiensseni icarus Chubb, 1917:
AMNH: 88115.
Pipistrellus grandidieri (Dobson, 1876):
CM: 7018b.
Plerotes anchietae (Seabra, 1900):
CM: 6971.
Rhinolophus fumigatus Rüppell, 1842:
AMNH: 88117, 88118, 88119

SE 11017Ab:

Epomophorus wahlbergi (Sundevall, 1846):
IICA: 1394, 159024.
Hypsugo anchietae (Seabra, 1900):
CM: 6928, 6939, 6940.
Micropteropus pusillus (Peters, 1868):
CZL: 3159025.
Plerotes anchietae (Seabra, 1900):
CZL: 31-59026

SE 11017Bc:

Epomophorus wahlbergi (Sundevall, 1846):
IICA: 1157

SE 11019Dd:

Mops (Mops) condylurus (A. Smith, 1833):
CZL: 3157028

SE 11020Aa:

Laephotis angolensis Monard, 1935:
AMNH: 7. - **MHNC:** (Laephotis), x1, x2

SE 11020Db:

Epomophorus crypturus Peters, 1852:
BMNH: 1963.1024

SE 11020Dd:

Epomophorus crypturus Peters, 1852:
MDL: 5624, 5766.
Glauconycteris machadoi Hayman, 1963:
BMNH: 1962.2074.
Neoromicia "incertae-sedis" :
MDL: 5606.
Saccolaimus peli (Temminck, 1853):
MDL: 5797.
Scotoecus albigula Thomas, 1909:
BMNH: 1963.1042. - **MDL:** 5625

SE 11021Ba:

Nycteris hispida (Schreber, 1774):
CZL: 3158025

SE 11021Bc:

Nycteris intermedia Aellen, 1959:
BMNH: 1957.495

SE 11024Aa:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 29841.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 29838

SE 11024Ab:

Epomophorus wahlbergi (Sundevall, 1846):
NHMZ: 29854, 30286.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 29837.
Hipposideros ruber (Noack, 1893):
NHMZ: 29836, 33399.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 29855.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
NHMZ: 30302.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 29886.
Neoromicia nana (Peters, 1852):
NHMZ: 11457, 29816, 30293.
Nycteris macrotis Dobson, 1876:
NHMZ: 29868.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 29803.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 29624.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 29805, 33886

SE 11024Ad:

Chaerephon nigeriae Thomas, 1913:
AMNH: 89785.
Epomophorus dobsonii Bocage, 1889:
HNHM: 76.151.1. - **ROM:** 73961.
Epomops franqueti (Tomes, 1860):
AMS: M.9949. - **MSB:** 34601.

Hipposideros ruber (Noack, 1893):
AMNH: 89169, 89170, 89171, 89172, 89173.
Kerivoula argentata Tomes, 1861:
AMNH: 89176, 89177, 89178.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
AMNH: 89179.
Myonycteris angolensis (Bocage, 1898):
NMZL: 3643.
Nycteris hispida (Schreber, 1774):
NMZL: 3687.
Nycteris macrotis Dobson, 1876:
AMNH: 89784.
Rhinolophus lobatus Peters, 1852:
AMNH: 89174, 89175.
Rhinolophus sakejiensis Cotterill, 2002:
HZM: 1.32236. - **NHMZ:** 29153, 29154.
Rhinolophus simulator K. Andersen, 1904:
AMNH: 89060

SE 11024Cb:

Hypsugo anchietae (Seabra, 1900):
AMNH: 89167, 89168

SE 11024Cd:

Kerivoula argentata Tomes, 1861:
BMNH: 1946.524

SE 11024Da:

Chaerephon nigeriae Thomas, 1913:
SMF: 37916.
Chaerephon nigeriae spillmanni (Monard, 1933):
AMNH: 89180, 89181, 89182, 89183, 89184, 89185, 89186, 89187, 89188, 89189, 89190, 89191, 89192, 89193, 89194, 89195, 89196, 89197, 89198, 89199, 89200. - **USNM:** 304842.
Epomophorus labiatus (Temminck, 1837):
AMNH: 89164.
Kerivoula argentata Tomes, 1861:
NMZL: 3689

SE 11026Ab:

Cloeotis percivali Thomas, 1901:
RMCA: 27907, 27908.
Hipposideros ruber (Noack, 1893):
RBINS: 14578, 14579, 14580. - **RMCA:** 27909, 27910, 27911, 27912, 27913.
Miniopterus natalensis (A. Smith, 1833):
RMCA: 26807, 26808, 26826, 26874, 26875, 27914.
Rhinolophus hildebrandtii Peters, 1878:
RBINS: 14424, 14425, 14426, 14429, 14434, 14442. - **RMCA:** 27531.
Rhinolophus lobatus Peters, 1852:
RMCA: 26806.
Rhinolophus simulator K. Andersen, 1904:
SMF: 21246

SE 11026Ba:

Miniopterus natalensis (A. Smith, 1833):
MHNG: 1046.088, 1046.089, 1046.090, 1046.091.
Myotis bocagii (Peters, 1870):
RMCA: 26238, 26241, 26242, 26243.
Neoromicia nana (Peters, 1852):
RMCA: 26239, 26240, 26244.
Nycteris macrotis Dobson, 1876:
RBINS: 14491, 14492, 14494. - **SMF:** 19066, 19067.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MHNG: 1046.036.
Rhinolophus rhodesiae Roberts, 1946:
MHNG: 1046.063, 1046.064

SE 11026Dc:

Hipposideros ruber (Noack, 1893):
MHNG: 1046.043

SE 11026Bb:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 21313.
Hipposideros ruber (Noack, 1893):
RMCA: 22191.
Miniopterus natalensis (A. Smith, 1833):
RMCA: 23820, 23897.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
RMCA: 22438, 22439.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 26234, 26235, 26236, 26237. - **SMF:** 16878, 21244.
Scotoecus hindei Thomas, 1901:
RMCA: 22192.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 23826, 23919

SE 11027Cc:

Scotophilus dinganii (A. Smith, 1833):
RMCA: 22458

SE 11027Ad:

Chaerephon nigeriae spillmanni (Monard, 1933):
BMNH: 1957.434. - **MHNG:** 923.008. - **RMCA:** 26288, 26289, 26291, 26292, 26293, 26294, 26295.
Epomophorus dobsonii Bocage, 1889:
RMCA: 23945

SE 11027Cb:

Chaerephon nigeriae Thomas, 1913:
RBINS: 18511. - **RMCA:** 16191. - **SMF:** 16881.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 12140, 26287.
Cloeotis percivali Thomas, 1901:
RBINS: 17208.
Epomophorus Bennett, 1836:
MNHN: ZM-2011-795, ZM-2011-796.
Epomophorus crypturus Peters, 1852:
MNHN: ZM-2011-766, ZM-2011-767, ZM-2011-768, ZM-2011-769, ZM-2011-770, ZM-2011-771, ZM-2011-772, ZM-2011-773, ZM-2011-774. - **RBINS:** 17207, 18779, 18780, 18841, 18842, 18843. - **RMCA:** 13316, 16208, 26268, 26269, 26270, 34712, 34713.
Epomophorus dobsonii Bocage, 1889:
BMNH: 1957.432. - **RBINS:** 6280. - **RMCA:** 26267. - **ZMA:** MAM.20163.
Epomophorus labiatus (Temminck, 1837):
RBINS: 13106.
Epomophorus wahlbergi (Sundevall, 1846):
RMCA: 16209.
Glauconycteris variegata (Tomes, 1861):
RMCA: 12662.
Hipposideros ruber (Noack, 1893):
RMCA: 16183, 16185, 16207, 16221, 16222, 16243, 16244.
Mimetillus thomasi Hinton, 1920:
RMCA: 16496.
Miniopterus natalensis (A. Smith, 1833):
MNHN: ZM-MO-1957-127 A, ZM-MO-1957-127 B. - **RBINS:** 17204.01, 17204.02, 17204.03, 17204.04, 17204.05, 17204.06, 17204.07, 17204.08, 17204.09, 17204.10, 17204.11, 17204.12, 17204.13, 17204.14, 17204.15, 17204.16, 17204.17, 17204.18, 17204.19, 17204.20. - **RMCA:** 23899.
MOLOSSIDAE Gervais, 1856:
RMCA: 90.011-M-0001, 90.011-M-0002.
Mops (Mops) condylurus (A. Smith, 1833):
RBINS: 18510, 18844, 18845. - **RMCA:** 23822, 23823, 23901, 23902, 23903, 23904, 23905, 23906, 23907, 23908, 23909, 23910, 23911, 23912, 23913, 23914, 23915, 23916, 23917, 23920, 26229, 26245, 26296, 26297, 26298, 26299, 26300, 26301, 26302, 26304, 26305, 26320.
Mops (Mops) demonstrator (Thomas, 1903):
RMCA: 26218, 26219, 26222, 26223, 26228.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
MHNG: 923.001, 923.002, 923.003, 923.004, 923.005, 923.006, 923.007. - **SMF:** 16867, 16876.
Myonycteris torquata (Dobson, 1878):
MNHN: ZM-2011-859.
Myotis bocagii (Peters, 1870):
RBINS: 18514.

Myotis welwitschii (Gray, 1866):
RBINS: 15428, 18513. - **RMCA:** 23462.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1954.859. - **RMCA:** 12236, 8872.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1957-126 A. - **RMCA:** 22452, 22453, 22454, 22455, 22456, 22457, 22718, 22719, 26220, 26329, 26332, 26333, 26344, 26345, 26346, 26347, 26351, 26352, 26353, 26354, 26355, 26360, 26361, 26362, 26363, 26364, 26365, 26368, 26369, 26370, 26374, 26375, 26376, 26381, 26382, 26383, 29142.
Nycteris macrotis Dobson, 1876:
RMCA: 22441, 23800, 26275, 26276, 26277, 26278, 28897, 28898. - **SMF:** 16875.
Pipistrellus Kaup, 1829:
RMCA: 11708.
Rhinolophus hildebrandtii Peters, 1878:
RBINS: 17205.01, 17205.02, 17205.03, 17205.04, 17205.05, 17205.06, 17205.07, 17205.08, 17205.09, 17205.10, 17205.11, 17205.12, 17205.13, 17205.14, 17205.15, 17205.16, 17205.17, 17205.18, 17205.19.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMCA: 31509.
Scotophilus dinganii (A. Smith, 1833):
MHNG: 922.082. - **RBINS:** 14454, 18512.1, 18512.2, 18512.3, 18512.4. - **RMCA:** 12149, 12150, 12850, 16212, 16233, 16255, 23819, 23898, 26323, 26324, 26325, 26326, 9179. - **SMF:** 16866.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MHNG: 922.100. - **RMCA:** 19417, 23824, 26281, 7699

SE 11027Cd:

Hipposideros ruber (Noack, 1893):
RMCA: 35023, 35024, 35026.
Miniopterus inflatus Thomas, 1903:
RMCA: 23799, 23878, 31507, 31508.
Miniopterus natalensis (A. Smith, 1833):
MHNG: 922.071, 922.072, 922.073, 922.074, 922.075, 922.076, 922.077, 922.078, 922.079, 922.080, 922.081. - **RMCA:** 23818, 23821, 23870, 23871, 23872, 23873, 23874, 23875, 23876, 23877, 23879, 23880, 23881, 23882, 23883, 23884, 23885, 23886, 23887, 23888, 23889, 23890, 23891, 23892, 23893, 23894, 23895, 23921, 34018, 34019, 34020, 34021, 34022, 34023, 34024, 34025, 34026, 34027, 34028, 34029, 34030, 34031, 34032, 34033, 34034, 34035, 34036, 34037, 34038, 34039, 34040, 34041, 34042, 34043, 34619, 34620, 34621, 34622, 34623, 34624, 34625, 34626, 34627, 34628, 34629, 34630, 34631, 34632, 34633, 34634, 34635, 34636, 34637, 34638, 34639, 34640, 34641, 34642, 34643, 34644, 34645, 34646, 34647, 34648, 34649, 34650, 34651, 34652, 34653, 34654, 34655, 34656, 34657, 34658, 34659, 34660, 34661, 34662, 34663, 34664, 34665, 34666, 34667, 34668, 34669, 34670, 34671, 34672, 34673, 34674, 34675, 34676, 34677, 34678, 34679, 34680, 34681, 34682, 34683, 34684, 34685, 34686, 34687, 34688, 34689, 34690, 34691, 34692, 34693, 34694, 34695, 34696, 34697, 34698, 34699, 34700, 34701, 34702, 34703, 34704, 34705, 34706, 34707, 34708, 34709, 34710, 34711, 35020, 35021, 35025, 35027, 35029, 35030, 35031, 35032, 35033, 35034, 35035, 35036, 35037, 35038, 35039, 35040, 35041, 35044, 35045.
MOLOSSIDAE Gervais, 1856:
RMCA: 90.011-M-0003, 90.011-M-0004.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 26225, 26226, 26306.
Neoromicia nana (Peters, 1852):
RMCA: 26337.
Nycteris macrotis Dobson, 1876:
RMCA: 23796.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 23797.
Rhinolophus hildebrandtii Peters, 1878:
HNHM: 95.52.1, 95.52.2. - **MHNG:** 922.087, 922.090, 922.091, 922.092, 922.093, 922.094. - **MNHN:** ZM-MO-1957-130 B, ZM-MO-1957-130 C, ZM-MO-1957-130 D. - **RMCA:** 23801, 23802, 23804, 23805, 23806, 23807, 23808, 23827, 23828, 23829, 23830, 23831, 23832, 23833, 23834, 23835, 23836, 23837, 23838, 23839, 23840, 23841, 23842, 23843, 23844, 23845, 23846, 23847, 23848, 23849, 23850, 31505, 31506, 34055, 34056, 34057, 34058, 34059, 34571, 34572, 34573, 34574, 34575, 34576, 34577, 34578, 34579, 34580, 34581, 34582, 34583, 34584, 34585, 34586, 34587, 34588, 34589, 34590, 34591, 34592, 34593, 34594, 34595, 34596, 34597, 34598, 34599, 34600, 34601, 34602, 34603, 34604, 34605, 34606, 34607, 34608, 34609, 34610, 34611, 34612, 34613, 34614, 34615, 34616, 34617, 34618.
Rhinolophus simulator K. Andersen, 1904:
RMCA: 34044, 34045, 34046, 34047, 34048, 34049, 34050, 34051, 34052, 34053, 34054, 34060, 34061, 34062, 34063, 34064, 35022, 35028, 35042, 35043

SE 11027Bc:

Neoromicia nana (Peters, 1852):
RMCA: 26371, 26372, 26373

SE 11027Da:

Chaerephon nigeriae Thomas, 1913:
RMCA: 33279.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 23825, 23918.

Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1957-126 B, ZM-MO-1957-126 C. - **RMCA:** 23817, 23869, 26221, 26224, 26336, 26338, 26339, 26340, 26341, 26342, 26343, 26356, 26357, 26358, 26359, 26379, 26380, 26384, 26385, 26386, 26387, 26388, 26389, 26390, 26391, 26392, 26393.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 23798, 26230

SE 11027Bd:

Chaerephon nigeriae spillmanni (Monard, 1933):
RMCA: 26290.
Laephotis angolensis Monard, 1935:
BMNH: 1957.435.
Laephotis botswanae Setzer, 1971:
RMCA: 26407. - **SMF:** 16869a.
Neoromicia nana (Peters, 1852):
RMCA: 26334, 26335, 26394, 26395, 26396, 26397, 26398, 26399, 26400, 26401

SE 11028Aa:

Laephotis angolensis Monard, 1935:
BMNH: 1957.437.
Laephotis botswanae Setzer, 1971:
BMNH: 1957.436, 1957.438. - **RMCA:** 26402, 26403, 26404, 26405, 26406. - **SMF:** 16868, 16869

SE 11028Bb:

Scotophilus dinganii (A. Smith, 1833):
RMCA: 35302

SE 11029Bc:

Epomophorus wahlbergi (Sundevall, 1846):
BRTC: 22827.
Mops (Mops) condylurus (A. Smith, 1833):
HNHM: 76.167.1. - **NMZL:** 2879. - **ROM:** 73967.
Neoromicia nana (Peters, 1852):
NHMZ: 12273.
Scotophilus dinganii (A. Smith, 1833):
UZMZ: 452

SE 11029Bb:

Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 48772

SE 11031Cd:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
BMNH: 1910.8.17.2

SE 11032Bd:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 11567

SE 11032Db:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 11545, 33390.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 11546, 33480

SE 11033Bb:

Epomophorus minor Dobson, 1880:
WAM: M52633

SE 11034Cc:

Chaerephon nigeriae spillmanni (Monard, 1933):
RMCA: 95.003-M-0056.
Chaerephon pumilus (Cretzschmar, 1826):
TM: 9180.

Epomophorus crypturus Peters, 1852:
WAM: M41607.
Epomophorus minor Dobson, 1880:
RMCA: 95.003-M-0003. - **WAM:** M52534, M52605, M52606, M52608, M52609, M52610, M52611, M52612, M52613, M52614, M52615, M52616, M52617, M52618, M52619, M52620, M52622, M52634.
Epomophorus wahlbergi (Sundevall, 1846):
WAM: M41606.
Macronycteris vittatus (Peters, 1852):
RMCA: 95.003-M-0006.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 9174, 9175, 9176, 9177, 9178, 9179.
Nycteris hispida (Schreber, 1774):
RMCA: 95.003-M-0024.
Scotophilus dinganii (A. Smith, 1833):
RMCA: 95.003-M-0055

SE 11034Cb:

Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.28391, MAM.28392.
Epomophorus dobsonii Bocage, 1889:
BDUMZ: #. - **ZMA:** MAM.26141.
Mops (Mops) condylurus (A. Smith, 1833):
ZMA: MAM.28411.
Nycteris macrotis Dobson, 1876:
ZMA: MAM.28353, MAM.28354.
Stenonycteris lanosus (Thomas, 1906):
ZMA: MAM.26148

SE 11034Bb:

Epomophorus crypturus Peters, 1852:
NMW: B 5112.
Epomophorus labiatus (Temminck, 1837):
NMW: 19831.
Laephotis botswanae Setzer, 1971:
NMW: 19823.
Rhinolophus clivosus Cretzschmar, 1828:
NMW: 19822

SE 11036Cb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1952.1543

SE 11043Ca:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 194248, 194249, 194250, 194251, 194252, 194253, 194254, 194255, 194256, 194257, 194258.
Chaerephon pusillus (Miller, 1902):
FMNH: 194183, 194184, 194185, 194186, 194187, 194188, 194189, 194190, 194191, 194192.
Pteropus seychellensis A. Milne-Edwards, 1877:
RMCA: 83.045-M-0003, 85.046-M-0001, 85.046-M-0004, 85.046-M-0005.
Rousettus obliviosus Kock, 1978:
RMCA: 83.045-M-0010, 83.045-M-0011, 83.045-M-0012, 83.045-M-0013, 83.045-M-0014, 83.045-M-0015, 83.045-M-0016, 83.045-M-0017, 83.045-M-0018, 83.045-M-0019, 85.046-M-0002, 85.046-M-0003

SE 11043Ad:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 194200, 194201, 194202, 194203, 194204, 194205, 194206, 194207, 194208, 194209.
Miniopterus griveaudi Harrison, 1959:
FMNH: 194283, 194284, 194285, 194286, 194287, 194288, 194289, 194290, 194291, 194292, 194293, 194294, 194295, 194296, 194297, 194298, 194299, 194300, 194301, 194302, 194303, 194304, 194309, 194310, 194311, 194538.
Rousettus obliviosus Kock, 1978:
FMNH: 194230, 194231, 194232, 194233, 194234, 194235, 194236, 194237, 194238, 194239, 194240, 194241, 194242, 194243, 194244, 194245, 194246, 194247, 194539, 194540, 194541, 194542, 194543, 194544, 194545. - **RMCA:** 81.052-M-0009, 81.052-M-0010, 81.052-M-0011, 81.052-M-0012, 81.052-M-0013, 81.052-M-0014, 81.052-M-0015, 81.052-M-0016, 81.052-M-0017, 81.052-M-0018, 81.052-M-0019, 81.052-M-0020, 81.052-M-0021, 81.052-M-0022, 81.052-M-0023, 81.052-M-0024, 81.052-M-0025, 81.052-M-0026, 81.052-M-0027, 81.052-M-0028, 81.052-M-0029, 81.052-M-0030, 81.052-M-0031, 81.052-M-0032, 90.001-M-0018, 90.001-M-0019, 90.001-M-0020, 90.001-M-0021, 90.001-M-0022, 90.001-M-0023, 90.001-M-0028, 90.001-M-0029, 90.001-M-0030, 90.001-M-0031, 90.001-M-0032, 90.001-M-0033, 90.001-M-0034

SE 11043Cb:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 194227. - **RMCA:** 90.001-M-0044, 90.001-M-0045, 90.001-M-0046.
Chaerephon pusillus (Miller, 1902):
FMNH: 194193, 194194, 194195, 194196, 194197, 194198, 194199.
Miniopterus griveaudi Harrison, 1959:
BMNH: 1967.1231. - **FMNH:** 194228, 194229, 194259, 194260, 194261, 194262, 194263, 194264, 194265, 194266, 194267, 194268, 194269, 194270, 194271, 194272.
Pteropus livingstonii Gray, 1866:
AMNH: 274476, 274477, 274478, 274479, 274480, 274481, 274482, 274483, 274484, 274485, 274486, 274487, 274488, 274489, 274490, 274491, 274492, 274493, 274494, 274495, 274496, 274497, 274498, 274499, 274500, 274501, 274502, 274503, 274504, 274505, 274506, 274507, 274508, 274509, 274510, 274511, 274512, 274513, 274514, 274515, 274516, 274517, 274518, 274519, 274520, 274521, 274522, 274523, 274524, 274525, 274526, 274527, 274528, 274529, 274530, 274531, 274532, 274533, 274534, 274535, 274536, 274537, 274538, 274539, 274540, 274541, 274542, 274544, 274546. - **ZMB:** T10461.
Pteropus seychellensis A. Milne-Edwards, 1877:
BMNH: 1879.11.12.5, 1879.11.12.6, 1906.6.3.14, 1906.6.3.15, 1906.6.3.16, 1936.6.24.2. - **MNHN:** ZM-MO-1886-1408, ZM-MO-1886-1409, ZM-MO-1886-1410, ZM-MO-1886-1412, ZM-MO-1886-1413, ZM-MO-1886-1414, ZM-MO-1886-2039, ZM-MO-1886-2040. - **RMCA:** 81.052-M-0001, 81.052-M-0002, 81.052-M-0003.
Rousettus obliviosus Kock, 1978:
FMNH: 220030, 220036. - **RMCA:** 90.001-M-0001, 90.001-M-0002, 90.001-M-0003, 90.001-M-0004. - **ZMB:** 4908, 58203, 58204, 58205, 58206

SE 11043Cd:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 194210, 194211, 194212, 194213, 194214, 194215, 194216, 194217, 194218, 194219, 194220, 194221, 194222, 194223, 194224, 194225, 194226, 194324, 194325, 194326, 194327, 194328.
Miniopterus griveaudi Harrison, 1959:
FMNH: 194273, 194274, 194275, 194276, 194277, 194278, 194279, 194280, 194281, 194282, 194397, 194398. - **MNHN:** ZM-MO-1984-1020A, ZM-MO-1984-1020B, ZM-MO-1984-1020C, ZM-MO-1984-1020D, ZM-MO-1984-1020E.
Miniopterus manavi Thomas, 1906:
FMNH: 194389.
Miniopterus minor Peters, 1867:
EBD: MAM 27725, MAM 27726. - **MNHN:** ZM-MO-1984-1021, ZM-MO-1984-1022, ZM-MO-1984-1023, ZM-MO-1984-1024, ZM-MO-1984-1025.
Rousettus obliviosus Kock, 1978:
FMNH: 194305, 194306, 194307, 194308, 194312. - **RMCA:** 81.052-M-0006, 81.052-M-0008, 90.001-M-0024, 90.001-M-0025, 90.001-M-0026, 90.001-M-0027, 90.001-M-0035, 90.001-M-0036, 90.001-M-0037, 90.001-M-0038, 90.001-M-0039, 90.001-M-0040, 90.001-M-0041, 90.001-M-0042, 90.001-M-0043. - **SMF:** 47973. - **ZFMK:** 1958.0207

SE 12013Ca:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
IICA: 1438

SE 12013Cb:

Eidolon helvum (Kerr, 1792):
ZMB: 4239.
Epomophorus angolensis Gray, 1870:
BMNH: 1864.1.9.4, 1864.8.16.2. - **MZUF:** 6184. - **ZMB:** 10012, 10013, 10068, 3648, 4238.
Epomophorus wahlbergi (Sundevall, 1846):
ZMB: 4240, 4240a.
Hipposideros caffer (Sundevall, 1846):
USNM: 172915.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1905.10.1.1.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
RMNH: MAM.02535

SE 12013Bc:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 85531, 85533.
Coleura afra (Peters, 1852):
BMNH: 1907.5.31.1.
Epomophorus angolensis Gray, 1870:
AMNH: 85520, 85523.
Hipposideros caffer (Sundevall, 1846):
AMNH: 85534, 86645, 86646.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 85526, 86644.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 85518.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ZMB: 3634

SE 13013Bb:

Hipposideros caffer (Sundevall, 1846):
AMNH: 244299, 244300, 244301. - **FMNH:** 108343

SE 12014Bd:

Hypsugo anchietae (Seabra, 1900):
BMNH: 1906.1.3.1. - **MNHN:** ZM-MO-1900-538

SE 12015Aa:

Epomophorus angolensis Gray, 1870:
ZMB: 41802.
Neoromicia flavescens (Seabra, 1900):
MNHN: ZM-MO-1900-536, ZM-MO-1900-537

SE 12015Ac:

Epomophorus wahlbergi (Sundevall, 1846):
IICA: 8484

SE 12015Ca:

Epomophorus dobsonii Bocage, 1889:
FMNH: 84022, 84023, 84024, 84025, 84026, 84027, 84028, 84029, 84030, 84031, 84032.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 83589

SE 12015Ab:

Neoromicia nana (Peters, 1852):
AMNH: 85075.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1935.1.6.19.
Pipistrellus grandidieri (Dobson, 1876):
MNHN: ZM-MO-1900-534.
Rhinolophus fumigatus Rüppell, 1842:
AMNH: 85076

SE 12015Dc:

Neoromicia capensis (A. Smith, 1829):
CAS: 15963.
Neoromicia zuluensis (Roberts, 1924):
CZL: 31.57.013, 3157013

SE 12015Bb:

Epomophorus dobsonii Bocage, 1889:
BMNH: 1908.2.12.2

SE 12016Bd:

Scotophilus leucogaster (Cretzschmar, 1826):
CZL: 3157011

SE 12017Aa:

Epomophorus dobsonii Bocage, 1889:
BMNH: 1905.5.9.3

SE 12023Ab:

Epomophorus dobsonii Bocage, 1889:
BMNH: 1963.1013. - **MDL:** 11176a, 11176b

SE 12024Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1955.1065

SE 12024Ad:

Chaerephon nigeriae Thomas, 1913:
BMNH: 1955.1084.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
BMNH: 1955.1091

SE 12024Dd:

Hipposideros caffer (Sundevall, 1846):
KU: 151339.
Hypsugo anchietae (Seabra, 1900):
HZM: 3.2556

SE 12025Ba:

Hypsugo anchietae (Seabra, 1900):
HZM: 2.11406.
Neoromicia nana (Peters, 1852):
MSB: 34629. - **ROM:** 73965.
Nycteris hispida (Schreber, 1774):
MSB: 34630

SE 12026Ab:

Chaerephon nigeriae spillmanni (Monard, 1933):
BMNH: A-1559, A-1561, A-1562. - **USNM:** 304846.
Epomophorus crypturus Peters, 1852:
BMNH: 1955.1054.
Laephotis botswanae Setzer, 1971:
BMNH: 1955.1134, 1955.1135.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
HZM: 40.2306, 43.2310, 44.2311, 45.2312. - **KM:** 17200. - **NHMZ:** 2493, 3209, 3212, 3213.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1950.863, 1955.1063, 1955.1064.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 6931

SE 13026Ba:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1950.864, 1950.865. - **KM:** 17198, 17199

SE 12027Bc:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 10422

SE 12027Db:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 29900.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
NHMZ: 30303.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 30018

SE 12028Ca:

Scotophilus dinganii (A. Smith, 1833):
AMNH: 168165

SE 12028Cc:

Epomophorus crypturus Peters, 1852:
NHMZ: 20393.
Epomophorus dobsonii Bocage, 1889:
NHMZ: 20238, 20239.

Hypsugo anchietae (Seabra, 1900):
NHMZ: 20246

SE 12028Cd:

Epomophorus dobsonii Bocage, 1889:
NHMZ: 20391, 20392

SE 12028Dc:

Chaerephon nigeriae spillmanni (Monard, 1933):
BMNH: 1954.837, 1954.838, 1954.839.
Eidolon helvum (Kerr, 1792):
KM: 1556.
Epomophorus crypturus Peters, 1852:
HZM: 6.2541. - **RMCA:** 19418.
Epomophorus dobsonii Bocage, 1889:
BMNH: 1926.12.1.3. - **NHMZ:** 16530.
Hipposideros ruber (Noack, 1893):
RMCA: 18244.
Kerivoula argentata Tomes, 1861:
BMNH: 1920.11.3.26.
Laephotis botswanae Setzer, 1971:
HZM: 1.2533.
Mimetillus thomasi Hinton, 1920:
BMNH: 1920.11.3.28.
Mops (Mops) condylurus (A. Smith, 1833):
RMCA: 22442, 22443, 22444, 22445, 22446, 22447, 22448, 22449, 22450, 22451.
Neoromicia nana (Peters, 1852):
RMCA: 2821

SE 13028Ba:

Epomophorus crypturus Peters, 1852:
HZM: 5.2229.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1920.11.3.20, 1920.11.3.21, 1920.11.3.22.
Nycteris woodi K. Andersen, 1914:
TM: 2543

SE 12028Db:

Chaerephon nigeriae spillmanni (Monard, 1933):
RMCA: 22462, 22463, 22464, 22465

SE 12029Cc:

Myotis bocagii (Peters, 1870):
RMCA: 26216.
Neoromicia nana (Peters, 1852):
RMCA: 26217, 26348, 26349, 26350, 26366, 26367, 26377, 26378

SE 12029Bc:

Hipposideros caffer (Sundevall, 1846):
RMCA: 10850, 10851.
Nycteris macrotis Dobson, 1876:
RMCA: 10845, 10848, 10849, 10852.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 10844, 10846, 10847

SE 12030Ca:

Eidolon helvum (Kerr, 1792):
DNSM: 10059, 10066.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 8195

SE 12030Db:

Nycteris grandis Peters, 1865:
BMNH: 1968.128

SE 12031Bd:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
UZMZ: 504

SE 12031Dd:

Epomophorus labiatus (Temminck, 1837):
NHMZ: 20259, 20260.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 20296.
Nycteris grandis Peters, 1865:
HZM: 15.11503.
Rhinolophus blasii Peters, 1867:
NHMZ: 20309

SE 12032Aa:

Neoromicia nana (Peters, 1852):
NMP: RS1235

SE 12032Ac:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 11518, 11519, 22732, 22732A, 22733

SE 12032Cc:

Chaerephon chapini J.A. Allen, 1917:
LACM: 70045.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 1153.
Mimetillus thomasi Hinton, 1920:
LACM: 69905.
Mops (Mops) condylurus (A. Smith, 1833):
LACM: 80048.
Mops (Mops) midas (Sundevall, 1843):
LACM: 70051, 70052, 70053, 70054, 70055, 70056, 70057, 70058, 70059, 70060, 70061, 70062, 70063, 70064, 70065, 70066, 70067, 70068.
Nycteris hispida (Schreber, 1774):
LACM: 69840.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1966.701, 1966.703, 1966.704, 1966.707.
Pipistrellus rueppellii (Fischer, 1829):
LACM: 69912, 69913, 69914, 69915, 69916, 69917, 69918, 69919, 69920, 69921, 69922, 69923, 69924, 69925, 69926, 69927, 69928, 69929, 69930, 69931, 69932, 69933, 69934, 69935, 69936, 69937, 69938, 69939, 69940, 69941, 69942, 69943, 69944, 69945, 69946, 69947, 69948, 69949, 69950, 69951, 69952, 69953, 69954, 69955, 69956, 69957, 69958, 69959, 69960, 69961, 69962, 69963, 69964.
Scotoecus hindei Thomas, 1901:
LACM: 69965, 69966, 69967, 69968, 69969, 69970, 69971

SE 12032Cb:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1965.365

SE 12032Dc:

Epomophorus minor Dobson, 1880:
NMZL: 2895, 2896

SE 12033Ac:

Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 20242.
Nycticeinops schlieffenii (Peters, 1859):
HZM: 25.11536.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
KM: 9630

SE 12033Cc:

Epomophorus crypturus Peters, 1852:
ZMA: MAM.21693a, MAM.30030.

Epomophorus dobsonii Bocage, 1889:
ZMA: MAM.21689, MAM.21690, MAM.21691.
Epomophorus labiatus (Temminck, 1837):
ZMA: MAM.21675, MAM.21676, MAM.21677, MAM.21679.
Scotoecus hindei Thomas, 1901:
ZMA: MAM.21695

SE 13033Aa:

Eidolon helvum (Kerr, 1792):
ZMA: MAM.21694.
Epomophorus anselli Bergmans and Van Strien, 2004:
ZMA: MAM.21693b.
Epomophorus crypturus Peters, 1852:
ZMA: MAM.30031.
Epomophorus dobsonii Bocage, 1889:
ZMA: MAM.21692.
Epomophorus labiatus (Temminck, 1837):
ZMA: MAM.21678, MAM.21680, MAM.21681, MAM.21682, MAM.21683, MAM.21684, MAM.21685, MAM.21686

SE 12033Ba:

Laephotis botswanae Setzer, 1971:
DCDH: 2673.
Neoromicia capensis (A. Smith, 1829):
DCDH: 2664, 2669.
Neoromicia nana (Peters, 1852):
DCDH: 2659.
Pipistrellus hesperidus (Temminck, 1840):
DCDH: 2662.
Pipistrellus rueppellii (Fischer, 1829):
DCDH: 2660, 2668, 2674

SE 12033Bc:

Epomophorus labiatus (Temminck, 1837):
BMNH: 1951.379.
Laephotis botswanae Setzer, 1971:
DCDH: 673

SE 12034Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.28359

SE 12034Cd:

Chaerephon bivittatus (Heuglin, 1861):
NHMZ: 20211.
Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 22822.
Epomophorus labiatus (Temminck, 1837):
AMNH: 161853, 161854, 161855, 161856, 161857, 161858, 161859. - **KM:** 11773, 11774, 11776, 11777, 11778, 11779.
Hipposideros caffer (Sundevall, 1846):
AMNH: 161902, 161903, 161904, 161905, 161906, 161907, 161908, 161909, 161910, 161911, 161912, 161913, 161914.
Hipposideros ruber (Noack, 1893):
KM: 11689.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 161862, 161863, 161864, 161865, 161866, 161867, 161868, 161869, 161870, 161871, 161872, 161873, 161874, 161875, 161876, 161877, 161878, 161879, 161880, 161881, 161882, 161883, 161884, 161885, 161886, 161887, 161888, 161889, 161890, 161891, 161892, 161893, 161894, 161895, 161896, 161897, 161898, 161899, 161900, 161901, 207417, 207418. - **BMNH:** 1966.2411, 1966.2412, 1966.2413, 1966.2414, 1966.2415, 1966.2416, 1966.2417, 1966.2418, 1966.2419, 1966.2420, 1966.2421, 1966.2422, 1966.2423, 1966.2424, 1966.2425, 1966.2426, 1966.2427, 1966.2428, 1966.2429, 1966.2430, 1966.2431, 1966.2432, 1966.2433, 1966.2434, 1966.2435, 1966.2436, 1966.2437, 1966.2438, 1966.2439, 1966.2440, 1966.2441, 1966.2442, 1966.2443, 1966.2444, 1966.2445, 1966.2446, 1966.2447, 1966.2448, 1966.2449, 1966.2450, 1966.2451, 1966.2452, 1966.2453, 1966.2454, 1966.2455, 1966.2456. - **KM:** 11781. - **NHMZ:** 22816, 22835, 22836, 22837, 22838, 22839, 22840.
Myotis bocagii (Peters, 1870):
KM: 11670.
Myotis bocagii bocagii (Peters, 1870):
AMNH: 161918.
Neoromicia nana (Peters, 1852):
AMNH: 161957, 161958, 161959, 161960, 161962, 161963, 161964, 161965, 161966, 161967, 161968, 161969. - **KM:** 11732, 11737, 11738, 11739, 11741, 11742, 11743, 11744, 11745.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 161861. - **KM:** 11676, 11677, 11678.
Nycteris woodi K. Andersen, 1914:
KM: 11679.
Pipistrellus hesperidus (Temminck, 1840):
DCDH: 2950, 2952, 2953, 2954.
Rhinolophus lobatus Peters, 1852:
KM: 11684.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 161860. - **KM:** 11767

SE 12037Ba:

Epomophorus crypturus Peters, 1852:
DNSM: 8658.
Hipposideros caffer (Sundevall, 1846):
DNSM: 8590.
Neoromicia nana (Peters, 1852):
DNSM: 8526, 8540.
Neoromicia zuluensis (Roberts, 1924):
DNSM: 8534, 8542.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 8485.
Rhinolophus fumigatus Rüppell, 1842:
DNSM: 8567.
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 8578.
Rhinolophus rhodesiae Roberts, 1946:
DNSM: 13450, 13451.
Tadarida fulminans (Thomas, 1903):
DNSM: 13452

SE 12037Da:

Neoromicia nana (Peters, 1852):
DNSM: 8537, 8541, 8547, 8548.
Neoromicia zuluensis (Roberts, 1924):
DNSM: 8539.
Nycteris macrotis Dobson, 1876:
DNSM: 8664, 8665.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 8486.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 8555.
Sauromys petrophilus (Roberts, 1917):
DNSM: 8611, 8612.
Scotophilus viridis (Peters, 1852):
DNSM: 8582, 8584, 8585.
Triaenops afer Peters, 1877:
DNSM: 8634, 8640, 8642

SE 12037Dc:

Hipposideros caffer (Sundevall, 1846):
DNSM: 8589.
Neoromicia nana (Peters, 1852):
DNSM: 8544.
Sauromys petrophilus (Roberts, 1917):
DNSM: 8613

SE 12038Aa:

Hipposideros caffer (Sundevall, 1846):
DNSM: 8591.
Neoromicia nana (Peters, 1852):
DNSM: 8538, 8543, 8545.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 8489.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 8466, 8468.
Scotophilus viridis (Peters, 1852):
DNSM: 8470, 8583.
Triaenops afer Peters, 1877:
DNSM: 8641

SE 12043Bc:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 194475, 194476, 194479, 194480, 194531, 194532, 194533, 194537. - **RMCA:** 85.046-M-0011.
Chaerephon pusillus (Miller, 1902):
FMNH: 194468, 194469, 194470, 194471, 194472, 194473, 194474, 194477, 194478, 194481, 194482, 194483, 194484, 194485, 194486, 194487, 194488, 194489, 194490, 194491, 194492, 194493, 194494, 194495, 194496.
Mops (Mops) leucostigma (G.M. Allen, 1918):
FMNH: 194499, 194500, 194501, 194502, 194503, 194504, 194505, 194506, 194507, 194508, 194509, 194510, 194511, 194512, 194513, 194514, 194515, 194516, 194517, 194518, 194519, 194534, 194535, 194536.
Pteropus seychellensis A. Milne-Edwards, 1877:
RMCA: 83.045-M-0004.
Rousettus obliviosus Kock, 1978:
FMNH: 194458, 194459, 194460, 194461, 194462, 194463, 194464, 194465, 194466, 194530. - **RMCA:** 83.045-M-0005, 83.045-M-0006, 83.045-M-0007, 83.045-M-0008, 83.045-M-0009, 83.045-M-0023, 83.045-M-0024, 85.046-M-0006, 85.046-M-0007, 85.046-M-0008, 85.046-M-0009, 85.046-M-0010, 85.046-M-0012, 85.046-M-0013, 85.046-M-0014, 85.046-M-0015, 85.046-M-0016, 85.046-M-0017, 85.046-M-0018, 85.046-M-0019, 85.046-M-0020, 85.046-M-0021, 85.046-M-0022, 90.001-M-0005, 90.001-M-0006, 90.001-M-0007, 90.001-M-0008, 90.001-M-0009, 90.001-M-0010, 90.001-M-0011, 90.001-M-0012, 90.001-M-0013, 90.001-M-0014, 90.001-M-0015, 90.001-M-0016, 90.001-M-0017. - **USNM:** 552512

SE 12043Bd:

Chaerephon pusillus (Miller, 1902):
FMNH: 194497, 194498.
Mops (Mops) leucostigma (G.M. Allen, 1918):
FMNH: 194520, 194521, 194522, 194523, 194524, 194525, 194526, 194527, 194528, 194529.
Rousettus obliviosus Kock, 1978:
FMNH: 194467

SE 12044Ab:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 194323, 194329, 194330, 194331, 194332, 194333, 194334, 194335, 194336, 194337, 194338, 194339, 194340, 194341, 194342, 194343, 194344, 194345, 194346, 194347, 194348, 194349, 194350, 194351, 194352, 194353, 194354, 194355, 194365, 194445, 194446, 194447, 194448, 194449, 194450, 194451. - **RMCA:** 89.040-M-0001.
Chaerephon pusillus (Miller, 1902):
FMNH: 194356, 194357, 194358, 194359, 194360, 194361, 194362, 194363, 194364, 220073, 220074, 220075, 220076, 220077, 220079, 220080, 220082, 220083, 220084, 220085, 220086, 220087.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 194391, 194419, 194420, 194421. - **MHNG:** 1961.044.
Miniopterus griveaudi Harrison, 1959:
FMNH: 194390, 194392, 194393, 194394, 194395, 194396, 194399, 194400, 194417, 194418, 194422, 194423, 194424, 194425, 194426, 194427, 194428, 194429, 194430, 194431, 194454, 194455, 194456, 220054, 220056.
Rousettus obliviosus Kock, 1978:
FMNH: 194313, 194314, 194315, 194316, 194317, 194318, 194319, 194320, 194321, 194322, 194438, 194439, 194440, 194441, 194442, 194443, 194444. - **RMCA:** 83.045-M-0020, 83.045-M-0021, 83.045-M-0022

SE 12044Ad:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 194366, 194367, 194377, 194378, 194379, 194380, 194381, 194382, 194383, 194384, 194385.
Chaerephon pusillus (Miller, 1902):
FMNH: 194368, 194369, 194370, 194371, 194372, 194373, 194374, 194375, 194376, 220089, 220092, 220093, 220095, 220096, 220101. - **ZMB:** 4910.
Miniopterus Bonaparte, 1837:
ZMB: 4909.
Miniopterus griveaudi Harrison, 1959:
FMNH: 194432, 194433, 194434, 194435, 194436, 194437, 194457, 220055.
Mops (Mops) leucostigma (G.M. Allen, 1918):
FMNH: 194386, 194387.
Myotis anjouanensis (Dorst, 1960):
FMNH: 194388. - **MHNG:** 1961.061. - **MNHN:** ZM-MO-1886-1265, ZM-MO-1886-1266, ZM-MO-1886-1267, ZM-MO-1886-1268, ZM-MO-1886-1269, ZM-MO-1886-1536.
Neoromicia nana (Peters, 1852):
ZMB: T10473.
Pteropus livingstonii Gray, 1866:
AMNH: 274457, 274458, 274459, 274460, 274461, 274462, 274463. - **BMNH:** 1863.12.11.2, 1888.5.9.1, 1888.5.9.2, 1934.7.2.35, 1934.7.2.36. - **MNHN:** ZM-MO-1886-1272, ZM-MO-1886-1273, ZM-MO-1886-1274, ZM-MO-1886-1533, ZM-MO-1886-1534, ZM-MO-1886-1535. - **RMNH:** MAM.37224, MAM.37225. - **ZMB:** 11021, 67176, T09586, T09939, T10119.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
ZMB: 14017, 345, 4919.
Pteropus seychellensis A. Milne-Edwards, 1877:
BMNH: 1853.5.27.1, 1863.12.11.1, 1877.4.2.1, 1877.4.2.2, 1877.4.2.3, 1877.4.2.4, 1877.4.2.5, 1877.4.2.6, 1877.4.2.7. - **NMW:** 17465, 17466. - **RMCA:** 83.045-M-0002.

Rousettus obliviosus Kock, 1978:
ZMA: MAM.20903, MAM.20906. - **ZMB:** 58197, 58198, 58199, 58200, 58202, 58207, 67249

SE 12044Ba:

Miniopterus Bonaparte, 1837:
ZMB: 66972.
Miniopterus griveaudi Harrison, 1959:
FMNH: 194401, 194402, 194403, 194404, 194405, 194406, 194407, 194408, 194409, 194410, 194411, 194412, 194413, 194414, 194415, 194452, 194453.
Miniopterus manavi Thomas, 1906:
FMNH: 194416.
Rousettus obliviosus Kock, 1978:
ZMB: 58189

SE 12045Ca:

Chaerephon pusillus (Miller, 1902):
FMNH: 194029, 194030, 194038

SE 12045Cc:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 194019, 194023, 194028.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1884-2054, ZM-MO-1884-2055. - **RMNH:** MAM.27337.
Chaerephon pusillus (Miller, 1902):
FMNH: 194017, 194018, 194020, 194021, 194022, 194024, 194025, 194026, 194027, 194031, 194032, 194033, 194034, 194035, 194036, 194037. - **ZMB:** 3491, 3492.
Pteropus livingstonii Gray, 1866:
AMNH: 274543, 274545, 274548, 274549, 274550.
Pteropus seychellensis A. Milne-Edwards, 1877:
MNHN: ZM-MO-1884-2034, ZM-MO-1884-2036, ZM-MO-1884-2037, ZM-MO-1884-2041, ZM-MO-1884-2042, ZM-MO-1884-2043. - **RMNH:** MAM.37207, MAM.37208. - **SMF:** 44784

SE 12049Aa:

Nycteris madagascariensis G. Grandidier, 1937:
MCZ: 45433

SE 12049Ac:

Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
USNM: 341708

SE 12049Ca:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 154601, 156340. - **UADBA:** 48642, 48661, 48666.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 202449, 202450, 202451, 202452, 202453, 202454, 202455. - **UADBA:** 31950, 31951, 31954, 48629, 48630, 48631, 48632, 48634, 48635.
Miniopterus majori Thomas, 1906:
FMNH: 154553. - **USNM:** 341720.
Miniopterus manavi Thomas, 1906:
MNHN: ZM-MO-1984-1059, ZM-MO-1984-1078. - **USNM:** 341711, 341713, 341715, 341717, 341724, 341731, 341732, 341922.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1947-297 A, ZM-MO-1984-1058, ZM-MO-1984-1060, ZM-MO-1984-1061, ZM-MO-1984-1062, ZM-MO-1984-1063, ZM-MO-1984-1064, ZM-MO-1984-1065, ZM-MO-1984-1066, ZM-MO-1984-1067, ZM-MO-1984-1068, ZM-MO-1984-1069, ZM-MO-1984-1070, ZM-MO-1984-1071, ZM-MO-1984-1072, ZM-MO-1984-1073, ZM-MO-1984-1074, ZM-MO-1984-1075, ZM-MO-1984-1076, ZM-MO-1984-1077, ZM-MO-1984-1100, ZM-MO-1984-1101, ZM-MO-1984-1102, ZM-MO-1984-1103, ZM-MO-1984-1104, ZM-MO-1984-1105, ZM-MO-1984-1106, ZM-MO-1984-1107, ZM-MO-1984-1108, ZM-MO-1984-1109.
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008:
FMNH: 156307. - **USNM:** 341712, 341714, 341716, 341718, 341719, 341721.
Myotis goudoti (A. Smith, 1834):
FMNH: 202456, 202457. - **UADBA:** SMG-16185, SMG-16186.
PTEROPODIDAE Gray, 1821:
MNHN: ZM-MO-1984-1165

SE 12049Cc:

Chaerephon jobimena Goodman and Cardiff, 2004:
FMNH: 169716.

Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012:
FMNH: 183864, 183865, 183866, 183867, 183907, 213591, 213592, 213593, 213594, 213595, 213596, 213597, 213598, 213599, 213600, 213601, 213602, 213603.
Eidolon dupreanum (Schegel, 1867):
FMNH: 221295, 221296, 221297, 221299. - **UADBA:** 32975, 32976, 32977, 32978, 32979.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 169707, 169708, 169722, 176277, 177385, 177386, 177387, 213588, 221307, 221308. - **UADBA:** 32987, 32988, 32989.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 169725, 169726, 173063, 173067, 173069, 173070, 173072, 173075, 173076, 173078, 173080, 173081, 173082, 173083, 173084, 173085, 173086, 173088, 173089, 173090, 173091, 173092, 173093, 173094, 173095, 173096, 173097, 173098, 173099, 173100, 176316, 176318, 176319, 176320, 176321, 176322, 176323, 176325, 176326, 176327, 176328, 183885.
Miniopterus gleni Peterson, Eger and Mitchell, 1995:
UADBA: 33027, 33028, 33029, 33030.
Miniopterus griveaudi Harrison, 1959:
FMNH: 169711, 169712, 169727, 169728, 173062, 173064, 173065, 173066, 173068, 173071, 173073, 173074, 173079, 173087, 173101, 179266, 179267, 183884, 221336, 221341, 221343, 221346, 221347. - **UADBA:** 33003, 33005, 33015.
Myotis goudoti (A. Smith, 1834):
FMNH: 173041, 173042, 173043, 173044, 176300, 176301, 176302, 176303, 176304, 176305, 179252, 179253, 179254, 221319, 221320, 221322, 221323, 221324.
Nycteris madagascariensis G. Grandidier, 1937:
MCZ: 45434.
Otomops madagascariensis Dorst, 1953:
FMNH: 176354, 176355, 176356, 176357, 176376, 177398.
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
FMNH: 169705, 173002, 173003, 176270, 176271, 176272, 176273, 176274, 176275, 176276.
Rousettus madagascariensis G. Grandidier, 1929:
FMNH: 169703, 221301, 221302, 221303, 221304, 221305, 221306. - **UADBA:** 32967, 32970, 32971, 32972

SE 13049Aa:

Otomops madagascariensis Dorst, 1953:
FMNH: 183896, 183897, 183927

SE 12049Ad:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 183980, 183981. - **MNHN:** ZM-MO-1897-21, ZM-MO-1962-2634.
Miniopterus griveaudi Harrison, 1959:
FMNH: 183991, 183992, 183993, 183994.
Paratriaenops auritus (G. Grandidier, 1912):
MCZ: 45080.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
MNHN: ZM-MO-1853-469, ZM-MO-1853-470. - **USNM:** 341709.
Triaenops menamena Goodman and Ranivo, 2009:
FMNH: 63755. - **MNHN:** ZM-MO-1985-487, ZM-MO-1985-488, ZM-MO-1985-489

SE 12049Cb:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 178803, 178804, 178805, 178806, 178807, 178808, 178809, 178810, 178811, 178812, 178813, 178814, 178815.
Miniopterus griveaudi Harrison, 1959:
FMNH: 178839, 178840, 178842, 178843, 178844, 178846, 178847, 178848.
Otomops madagascariensis Dorst, 1953:
FMNH: 178849, 178850, 178851, 178852.
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
FMNH: 178800, 178801, 178802.
Rousettus madagascariensis G. Grandidier, 1929:
FMNH: 178790, 178791, 178792, 178793, 178795, 178796, 178797

SE 12049Cd:

Miniopterus griveaudi Harrison, 1959:
FMNH: 179259, 179261, 179262, 179263, 179264, 179345.
Myotis goudoti (A. Smith, 1834):
FMNH: 178825, 178826, 178827, 178828, 179245, 179246, 179247, 179248, 179249, 179250, 179251, 179335, 179336, 179337, 179338.
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
FMNH: 179238, 179239

SE 13012Bc:

Hipposideros caffer (Sundevall, 1846):
IICA: 7850

SE 13013Ca:

Rhinolophus fumigatus Rüppell, 1842:
SMW: 5464

SE 13013Cc:

Chaerephon ansorgei (Thomas, 1913):
SMW: 6599.
Rhinolophus damarensis Roberts, 1946:
SMW: 5463.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 6603

SE 13014Ab:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
MDL: 5841

SE 13015Ca:

Hipposideros caffer (Sundevall, 1846):
BMNH: 1906.1.3.2.
Hypsugo anchietae (Seabra, 1900):
BMNH: 1889.5.1.5.
Neoromicia tenuipinnis (Peters, 1872):
BMNH: 1889.5.1.3.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1879.1.21.2. - **ZMB:** 3637

SE 13015Dd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MHNG: 1625.019

SE 13022Ba:

Epomophorus dobsonii Bocage, 1889:
HZM: 6.2862, 62862.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 9163.
Myotis bocagii (Peters, 1870):
HZM: 3.2918. - **NHMZ:** 10177, 9161.
Neoromicia nana (Peters, 1852):
NHMZ: 10220.
Neoromicia zuluensis (Roberts, 1924):
HZM: 2.3296.
Nycteris hispida (Schreber, 1774):
NHMZ: 10174

SE 13023Ac:

Pipistrellus rusticus (Tomes, 1861):
HZM: 1.3090

SE 13023Ca:

Chaerephon nigeriae Thomas, 1913:
MMK: MAM/1025.
Chaerephon nigeriae spillmanni (Monard, 1933):
AMNH: 115944, 115945, 115946, 115947, 115948, 115949, 115950, 115951, 115952, 115953, 115954, 115955, 115956, 115957, 115958, 115959, 115960, 115961.
Epomophorus Bennett, 1836:
MNHN: ZM-MO-1897-621.
Epomophorus crypturus Peters, 1852:
BMNH: 1959.610, A-9172. - **KM:** 1565.
Epomophorus dobsonii Bocage, 1889:
AMNH: 115819, 115821. - **KM:** 1564.
Eptesicus Rafinesque, 1820:
AMNH: 118512, 118513, 118514, 118515, 118516, 118517.
Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1894-21.
Hypsugo anchietae (Seabra, 1900):

AMNH: 115861, 115863, 115864, 115865, 115866, 115867, 115868, 115869, 115870, 115871, 115872, 115873, 115874, 115875, 115876, 115877, 115879, 115880, 115881, 115882, 115883, 115884, 115885, 115886, 115889, 115890, 115891, 115892, 115893, 115894, 115895, 115896, 115897, 115899, 115901, 115902. - **BMNH:** 1970.2632, 1970.2632_1, 1970.2632_2, 1970.2632_3, 1970.2633, 1970.2634. - **HZM:** 1.11405. - **NMZL:** 3493. - **SMF:** 37917.
Kerivoula argentata Tomes, 1861:
KM: 1949.
Mimetillus thomasi Hinton, 1920:
AMNH: 115851, 115852, 115853, 115854, 115855, 115856, 115857, 115858, 115859. - **KM:** 1939.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
BMNH: 1937.1.4.13.
Neoromicia capensis (A. Smith, 1829):
AMNH: 115860, 115862, 115878, 115898. - **KM:** 2192, 2193, 2194, 2195, 2196, 2201, 2202, 2204, 2205, 2206, 2207, 2208, 2209, 2221, 2222.
Neoromicia nana (Peters, 1852):
AMNH: 115887, 115888.
Nycteris hispida (Schreber, 1774):
KM: 1671, 1672.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 115822. - **BMNH:** 1937.1.4.22. - **KM:** 1669. - **MNHN:** ZM-MO-1894-80.
Nycticeinops schlieffenii (Peters, 1859):
AMNH: 115906, 115907, 115908. - **KM:** 1913.
Pipistrellus rueppellii (Fischer, 1829):
KM: 1963.
Pipistrellus rueppellii vernayi Roberts, 1932:
AMNH: 115830, 115831, 115832, 115833, 115834, 115835, 115836, 115837, 115838, 115839, 115840, 115841, 115842, 115843, 115844, 115845, 115846, 115847, 115848, 115849, 115850.
Pipistrellus rusticus (Tomes, 1861):
AMNH: 115905. - **KM:** 1900, 1901, 1991.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 115909, 115910, 115911

SE 13024Ac:

Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
ROM: 78743

SE 13024Ca:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 8294.
Epomophorus crypturus Peters, 1852:
RMCA: 28067, 29246.
Epomophorus dobsonii Bocage, 1889:
RMCA: 28068.
Hypsugo anchietae (Seabra, 1900):
HZM: 4.2933. - **NHMZ:** 10047.
Laephotis botswanae Setzer, 1971:
NHMZ: 9111.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 10371. - **ROM:** 78212.
Neoromicia nana (Peters, 1852):
HZM: 107.3212. - **NHMZ:** 10000, 10006, 10011, 10012, 10020, 10058, 10105, 10106, 8277.
Nycteris hispida (Schreber, 1774):
NHMZ: 8295.
Nycteris macrotis Dobson, 1876:
NHMZ: 11472.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 11427.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 10369.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 9016.
Pipistrellus rueppellii (Fischer, 1829):
HZM: 3.3170. - **NHMZ:** 10342.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 9040.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 8293

SE 13024Ba:

Epomophorus dobsonii Bocage, 1889:
HZM: 2.2801

SE 13024Bc:

Pipistrellus rusticus (Tomes, 1861):
HZM: 2.3283

SE 13025Aa:

Neoromicia zuluensis (Roberts, 1924):
HZM: 1.2328

SE 13025Bd:

Eidolon helvum (Kerr, 1792):
TM: 9871.
Epomophorus crypturus Peters, 1852:
KM: 13488.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 6947

SE 13026Dd:

Rhinolophus simulator K. Andersen, 1904:
BMNH: 1966.5445

SE 13027Da:

Epomophorus crypturus Peters, 1852:
BMNH: 1966.5423

SE 13027Bd:

Glauconycteris variegata (Tomes, 1861):
NHMZ: 64054

SE 13027Dd:

Chaerephon nigeriae Thomas, 1913:
NHMZ: 22677, 22807, 62503.
Epomophorus crypturus Peters, 1852:
BMNH: 1966.5418, 1966.5419, 1966.5420, 1966.5421, 1966.5422.
Epomophorus wahlbergi (Sundevall, 1846):
NHMZ: 20323.
Glauconycteris variegata (Tomes, 1861):
NHMZ: 20322, 22806.
Mimetillus thomasi Hinton, 1920:
NHMZ: 63522.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1966.5472.
Scotophilus viridis (Peters, 1852):
NHMZ: 63213

SE 13028Ab:

Epomophorus crypturus Peters, 1852:
AMNH: 168098, 168099, 169161. - **HZM:** 7.2542, 8.2543.
Hipposideros caffer (Sundevall, 1846):
AMNH: 168156, 168157, 168158. - **MVZ:** 118009, 118010, 118011, 118012, 118013, 118014, 118015, 118016, 118017, 118018, 118019, 118606, 118607, 118608, 118609, 118610, 118611, 118612, 118613, 118614, 118615, 118616, 118617.
Macronycteris vittatus (Peters, 1852):
USNM: 294787.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
AMNH: 168171. - **BMNH:** 168171. - **HNHM:** 76.166.1. - **HZM:** 29.2290, 30.2291, 31.2292, 33.2294.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
USNM: 294788

SE 13028Ba:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 62148

SE 13030Ac:

Eidolon helvum (Kerr, 1792):
KM: 13489.

Hipposideros caffer (Sundevall, 1846):
KM: 9654

SE 13030Ba:

Neoromicia nana (Peters, 1852):
YPM: MAM 003680

SE 13031Cd:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 63518.
Hipposideros ruber (Noack, 1893):
NHMZ: 22889.
Macronycteris vittatus (Peters, 1852):
NHMZ: 20252, 20253, 20254, 20255, 20257, 20266, 20271, 20272, 20273, 20274, 20275, 20277, 20278, 20280, 20282, 20283, 20284.
Miniopterus fraterculus Thomas and Schwann, 1906:
ROM: 65070, 65071, 65072, 65073, 65074, 65075, 65076, 65077, 65078, 65079.
Miniopterus natalensis (A. Smith, 1833):
BMNH: 1968.1044, 1968.1045, 1968.1046, 1968.1047, 1968.1048, 1968.1049, 1968.1050, 1968.1051, 1968.1052. - **NHMZ:** 63008

SE 13031Ba:

Scotophilus viridis (Peters, 1852):
BMNH: 1909.12.4.3

SE 13031Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1966.700. - **NHMZ:** 22739, 63376.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 62149

SE 13031Bb:

Epomophorus crypturus Peters, 1852:
BMNH: 1966.5417, 1968.112, 1968.990, 1968.991.
Epomophorus labiatus (Temminck, 1837):
BMNH: 1966.5408, 1966.5409, 1966.5410, 1966.5411.
Hipposideros caffer (Sundevall, 1846):
MSU: MR.14297, MR.14298, MR.14299, MR.14300, MR.14301, MR.14302, MR.14303, MR.14304, MR.14305, MR.14306, MR.14307, MR.14308, MR.14309, MR.14310, MR.14311, MR.14312, MR.14313, MR.14314, MR.14315, MR.14316, MR.14317, MR.14318, MR.14319, MR.14320, MR.14321, MR.14322, MR.14323, MR.14324, MR.14325, MR.15309, MR.15310, MR.15311, MR.15312, MR.15313. - **ROM:** 65060, 65061, 65062, 65063, 65064, 65065, 65066, 65067, 65068, 65069.
Neoromicia nana (Peters, 1852):
NMZL: 3378.
Nycteris grandis Peters, 1865:
BMNH: 1968.123. - **HZM:** 14.11460. - **NHMZ:** 22778. - **SMF:** 47492.
Nycteris macrotis Dobson, 1876:
BMNH: 1966.5429.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MSU: MR.14280, MR.14281, MR.14282, MR.14283, MR.14284, MR.14285, MR.14286, MR.14287, MR.14288, MR.14289, MR.14290, MR.14291, MR.14292, MR.14293, MR.14295, MR.14296, MR.14955. - **NHMZ:** 20136, 20214. - **SMF:** 47489, 47490.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 22783, 22783A, 22784, 22784A, 22790, 33492.
Rhinolophus lobatus Peters, 1852:
BMNH: 1968.125, 1968.126, 1968.127. - **MSU:** MR.14294.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1968.111.
Scotoecus albigula Thomas, 1909:
BMNH: 1907.1.11.6. - **NHMZ:** 63220.
Scotoecus hindei Thomas, 1901:
NMZL: 3377.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1966.5463, 1966.5464, 1966.5466, 1966.5468, 1966.5471. - **NHMZ:** 22853, 22856, 63221.
Scotophilus viridis (Peters, 1852):
BMNH: 1966.5462, 1966.5465, 1966.5467, 1966.5469, 1966.5470

SE 13032Ac:

Epomophorus labiatus (Temminck, 1837):

NHMZ: 22799, 22801, 22802, 22804, 22805.
Epomophorus minor Dobson, 1880:
AMNH: 207412.
Epomophorus wahlbergi (Sundevall, 1846):
HZM: 31.11553.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 20135

SE 13032Ca:

Epomophorus minor Dobson, 1880:
AMNH: 207411.
Scotoecus albigula Thomas, 1909:
KM: 1983

SE 14032Aa:

Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
BMNH: 1966.5461

SE 13032Ad:

Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
NHMZ: 20310.
Nycteris woodi K. Andersen, 1914:
BMNH: 1966.5486, A-200. - **TM:** 38459.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 64256

SE 13032Cb:

Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
NHMZ: 20031, 20032, 20033, 22858.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
NHMZ: 20019.
Nycteris woodi K. Andersen, 1914:
NHMZ: 20113

SE 13032Bc:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 64838

SE 13032Da:

Eidolon helvum (Kerr, 1792):
NHMZ: 20213.
Epomophorus crypturus Peters, 1852:
BMNH: 1937.12.8.1. - **KM:** 1569.
Epomophorus dobsonii Bocage, 1889:
NHMZ: 20015, 20020, 20044.
Epomophorus labiatus (Temminck, 1837):
KM: 1567, 9621. - **NHMZ:** 20050, 20235, 20314.
Glauconycteris variegata (Tomes, 1861):
NHMZ: 20039.
Hipposideros caffer (Sundevall, 1846):
KM: 1841.
Kerivoula argentata Tomes, 1861:
KM: 1950.
Kerivoula lanosa (A. Smith, 1847):
NHMZ: 22819.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 31166.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
FMNH: 96273. - **KM:** 2504. - **NHMZ:** 20045, 20148, 20151, 4072.
Neoromicia nana (Peters, 1852):
FMNH: 96268, 96269. - **NHMZ:** 11537, 63170.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 1658, 1660, 1661, 9627. - **NHMZ:** 20207.
Nycteris woodi K. Andersen, 1914:
NHMZ: 20121.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 9642.
Rhinolophus darlingi K. Andersen, 1905:
KM: 9636.

Rhinolophus lobatus Peters, 1852:
KM: 9648.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
KM: 9629.
Scotoecus albigula Thomas, 1909:
KM: 1982.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 218970, 218971. - **KM:** 2390. - **NHMZ:** 64167. - **NMZL:** 2976, 2977.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
KM: 9668

SE 13032Bb:

Epomophorus dobsonii Bocage, 1889:
BMNH: 1966.5473, 1966.5474, 1966.5475.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
FMNH: 96272.
Nycteris woodi K. Andersen, 1914:
AMNH: 207413. - **BMNH:** 1966.5431, 1966.5432, 1966.5433, 1966.5434, 1966.5477, 1966.5478, 1966.5479, 1966.5481, 1966.5482, 1966.5483, 1966.5484. - **NHMZ:** 20122, 20137, 20138, 20139, 20140, 20141, 20142.
Rhinolophus fumigatus Rüppell, 1842:
AMNH: 207414, 207415. - **NHMZ:** 20120

SE 13032Dd:

Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
NHMZ: 20130.
Rhinolophus blasii Peters, 1867:
KM: 9645, 9647

SE 13033Aa:

Epomophorus anselli Bergmans and Van Strien, 2004:
ZMA: MAM.26105.
Epomophorus dobsonii Bocage, 1889:
ZMA: MAM.21688.
Epomophorus labiatus (Temminck, 1837):
ZMA: MAM.21671, MAM.21672, MAM.21673, MAM.21674, MAM.21687, MAM.26103, MAM.26104.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1987.1125. - **DCDH:** 2619, 2626.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
BMNH: 1987.1136.
Nycteris macrotis Dobson, 1876:
NHMZ: 64248.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63750. - **ZMA:** MAM.28343

SE 13033Ab:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
AMNH: 161917

SE 13033Bd:

Chaerephon Dobson, 1874:
ZMA: MAM.28385

SE 13033Db:

Laephotis botswanae Setzer, 1971:
DCDH: 2937

SE 13033Dd:

Neoromicia capensis (A. Smith, 1829):
HZM: 6.2208

SE 13034Ac:

Chaerephon ansorgei (Thomas, 1913):
ZMA: MAM.28372.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 192060, 192061, 192062, 192063, 192064, 192065, 192066. - **MVZ:** 220858, 220859, 220860, 220861, 220862, 220863, 220864, 220865, 220866, 220867, 220868, 220869, 220870, 220871. - **ZMA:** MAM.26132, MAM.26133, MAM.26134.

Kerivoula argentata Tomes, 1861:
MVZ: 220909.
Laephotis botswanae Setzer, 1971:
ZMA: MAM.29644.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 192113. - **MVZ:** 220916, 220917.
Myotis welwitschii (Gray, 1866):
FMNH: 192108, 192109.
Neoromicia Roberts, 1926:
MVZ: 220908.
Neoromicia nana (Peters, 1852):
DCDH: 2902, 2907. - **FMNH:** 192112. - **KM:** 11731.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 192106, 192107.
Nycticeinops schlieffenii (Peters, 1859):
MVZ: 220910.
Otomops martiensseni (Matschie, 1897):
MVZ: 220907.
Pipistrellus Kaup, 1829:
MVZ: 220911, 220912, 220913, 220914, 220915.
Pipistrellus hesperidus (Temminck, 1840):
DCDH: 2905, 2913, 2914, 2915, 2916, 2917, 2918, 2926.
Rhinolophus blasii Peters, 1867:
FMNH: 192067, 192068, 192069, 192070, 192071, 192072, 192073. - **ZMA:** MAM.28320.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 192075, 192076, 192077, 192078. - **MVZ:** 220898, 220899, 220900, 220901, 220902. - **NMP:** mw199, mw231, mw232.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 192080, 192081, 192082, 192083, 192084, 192085, 192086.
Rhinolophus lobatus Peters, 1852:
MVZ: 220873, 220874, 220875, 220876, 220877, 220878, 220879, 220880, 220881, 220882, 220883, 220884, 220885, 220886, 220887, 220888, 220889, 220890, 220891.
Rhinolophus rhodesiae Roberts, 1946:
FMNH: 192094, 192095, 192096, 192097, 192098, 192099, 192100, 192101, 192102, 192103, 192104, 192105.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
FMNH: 192087, 192088, 192089, 192090, 192091, 192092, 192093. - **MVZ:** 220906. - **ZMA:** MAM.28335, MAM.28336

SE 13034Cc:

Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-MO-1999-124A, ZM-MO-1999-124C

SE 13034Cb:

Chaerephon Dobson, 1874:
MCZ: 58415, 58416, 58417, 58418, 58419, 58420, 58421, 58422, 58423, 58424, 58425, 58426, 58427, 58428, 58429, 58430, 58431, 58432, 58433, 58434, 58435, 58436, 58437, 58438, 58439, 58440.
Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 43852, 43853, 43854, 43855, 43856, 43857, 43858, 43859, 43860, 43861, 43862.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 36474, 36475, 36476.
Nycteris macrotis Dobson, 1876:
MCZ: 43834

SE 13034Da:

Epomophorus crypturus Peters, 1852:
ZMA: MAM.25796.
Hipposideros ruber (Noack, 1893):
ZMA: MAM.28337.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.28368, MAM.28369

SE 13034Bd:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 8614.
Epomophorus crypturus Peters, 1852:
DNSM: 8657.
Epomophorus labiatus (Temminck, 1837):
DNSM: 8644.
Epomophorus minor Dobson, 1880:
DNSM: 8643.
Hipposideros ruber (Noack, 1893):
DNSM: 8528, 8550, 8551.

Myotis bocagii (Peters, 1870):
DNSM: 8557, 8558, 8559.
Neoromicia nana (Peters, 1852):
DNSM: 8529, 8535.
Neoromicia zuluensis (Roberts, 1924):
DNSM: 8474, 8476, 8479.
Nycteris hispida (Schreber, 1774):
DNSM: 8646.
Rhinolophus fumigatus Rüppell, 1842:
DNSM: 8568, 8569.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
DNSM: 8661

SE 13034Dd:

Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.28377.
Epomophorus labiatus (Temminck, 1837):
CM: 40958, 40959, 40960, 40961, 40962.
Epomophorus wahlbergi (Sundevall, 1846):
CM: 40971. - **ZMA:** MAM.26135.
Nycteris woodi K. Andersen, 1914:
ZMA: MAM.28371

SE 13038Ac:

Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 8631.
Triaenops afer Peters, 1877:
DNSM: 8639

SE 13039Bd:

Epomophorus crypturus Peters, 1852:
DNSM: 8629.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 8650.
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 8577.
Triaenops afer Peters, 1877:
DNSM: 8637, 8638

SE 13040Ba:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 8615, 8616.
Epomophorus crypturus Peters, 1852:
DNSM: 8630, 8632.
Nycteris grandis Peters, 1865:
DNSM: 8669.
Rhinolophus lobatus Peters, 1852:
DNSM: 8575

SE 13047Dd:

Eidolon dupreanum (Schegel, 1867):
MNHN: ZM-MO-1932-3401, ZM-MO-1932-3402

SE 13048Ac:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 188496, 188497, 188498, 188499, 188500.
Miniopterus gleni Peterson, Eger and Mitchell, 1995:
ROM: 42627, 42629, 42648, 42649, 42650, 42737.
Miniopterus majori Thomas, 1906:
ROM: 42610.
Miniopterus manavi Thomas, 1906:
ROM: 42574, 42575, 42576, 42577, 42578, 42579, 42580, 42581, 42582, 42583, 42584, 42585, 42586, 42587, 42589, 42590, 42591, 42593, 42594, 42595, 42596, 42597, 42598, 42599, 42600, 42601, 42602, 42603, 42604, 42605, 42606, 42607, 42608, 42609, 42630, 42631, 42642, 42644, 42645, 42646, 42647, 42651, 42652, 42653, 42655, 42703, 42704, 42705, 42706, 42707, 42708.
Myotis goudoti (A. Smith, 1834):
ROM: 42614.
Paratriaenops furculus (Trouessart, 1907):
ROM: 42710

SE 13048Ad:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 187750, 187751, 187752, 187753, 187754, 187755, 187756, 188495, 188640, 188641, 188642, 188643, 188644. - **USNM:** 339646.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1985-262, ZM-MO-1985-263, ZM-MO-1985-264. - **USNM:** 341780.
Eidolon dupreanum (Schegel, 1867):
RMNH: MAM.37230.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 188574. - **MNHN:** ZM-MO-1947-287. - **SMF:** 12179.
Miniopterus Bonaparte, 1837:
FMNH: 187771, 187772.
Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009:
FMNH: 188651.
Mops (Mops) leucostigma (G.M. Allen, 1918):
USNM: 341779.
Myotis goudoti (A. Smith, 1834):
FMNH: 188609, 188610, 188648, 188649, 188650.
Paratriaenops furculus (Trouessart, 1907):
MNHN: ZM-MO-1997-2027, ZM-MO-1997-2028.
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
MNHN: ZM-MO-1985-410.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
RMNH: MAM.37212. - **ZMA:** MAM.18041, MAM.18042, MAM.18401, MAM.18402. - **ZMB:** T10102, T10103, T10104

SE 13048Cb:

Chaerephon leucogaster (A. Grandidier, 1869):
USNM: 341800, 341801, 341802.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 341781, 341782, 341783, 341784, 341785, 341786, 341787, 341788, 341789, 341790, 341791, 341792, 341793, 341794, 341795, 341796, 341797, 341798, 341799, 341803, 341804, 341805, 341806, 341807, 341808, 341809, 341810, 341811, 341812

SE 14048Ab:

Myotis goudoti (A. Smith, 1834):
FMNH: 166245

SE 13048Bb:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-765. - **UADBA:** 43749.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
UADBA: 43932, 43933, 43934.
Miniopterus gleni Peterson, Eger and Mitchell, 1995:
FMNH: 176309.
Myotis goudoti (A. Smith, 1834):
MNHN: ZM-MO-1985-1046, ZM-MO-1985-1047, ZM-MO-1985-413. - **UADBA:** 32993.
Rousettus madagascariensis G. Grandidier, 1929:
MNHN: ZM-MO-1975-1059

SE 13049Aa:

Miniopterus griveaudi Harrison, 1959:
FMNH: 183881, 183882, 183883.
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
FMNH: 179357, 179358, 179359, 179360, 179361, 179362, 179363, 179364

SE 13049Ab:

Miniopterus griveaudi Harrison, 1959:
FMNH: 179377

SE 13049Ba:

Myotis goudoti (A. Smith, 1834):
FMNH: 172682, 173273

SE 13049Bc:

Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009:
FMNH: 172685, 172686.

Miniopterus griveaudi Harrison, 1959:
FMNH: 172683, 172684, 172687, 172688, 172689.
Myotis goudoti (A. Smith, 1834):
FMNH: 172681.
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
FMNH: 172680

SE 13050Ac:

Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
BMNH: 1870.5.5.45. - **RMNH:** MAM.26320

SE 14013Cc:

Epomophorus angolensis Gray, 1870:
IICA: 651

SE 14013Cb:

Hipposideros ruber (Noack, 1893):
SMW: 5499

SE 14013Cd:

Epomophorus angolensis Gray, 1870:
RMCA: 34461.
Eptesicus hottentotus (A. Smith, 1833):
EBD: MAM 22247.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
EBD: MAM 22253, MAM 22254, MAM 22255, MAM 22256, MAM 22260, MAM 22261, MAM 22262. - **IICA:** 8622

SE 14013Dc:

Epomophorus angolensis Gray, 1870:
IICA: 1274.
Epomophorus wahlbergi (Sundevall, 1846):
IICA: 2038.
Hipposideros ruber (Noack, 1893):
IICA: 350. - **RMCA:** 34459, 34460.
Macronycteris vittatus (Peters, 1852):
IICA: 6310.
Neoromicia capensis (A. Smith, 1829):
IICA: 756.
Rhinolophus fumigatus Rüppell, 1842:
IICA: 8119.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
IICA: 6307

SE 14013Db:

Rhinolophus fumigatus Rüppell, 1842:
IICA: 771

SE 14014Dc:

Epomophorus angolensis Gray, 1870:
IICA: 319

SE 14015Cc:

Neoromicia nana (Peters, 1852):
AMNH: 85532

SE 14016Ad:

Chaerephon chapini J.A. Allen, 1917:
AMNH: 85527.
Epomophorus angolensis Gray, 1870:
MHNN: 94.1133.
Miniopterus natalensis (A. Smith, 1833):
MHNN: 94.1198. - **RMCA:** 16284.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 85524.

Pipistrellus rueppellii (Fischer, 1829):
MHNG: 1714.089.
Pipistrellus rueppellii vernayi Roberts, 1932:
MCZ: 28562

SE 14016Db:

Rhinolophus fumigatus Rüppell, 1842:
IICA: 8254

SE 14017Cd:

Eidolon helvum (Kerr, 1792):
ZMB: 19971, 19973, 19975, 19977, 19979

SE 15022Aa:

Epomophorus crypturus Peters, 1852:
FMNH: 95205.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 95214, 95215

SE 14022Cd:

Neoromicia nana (Peters, 1852):
FMNH: 95218.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 95220

SE 14022Bc:

Neoromicia capensis (A. Smith, 1829):
BMNH: 1966.5459

SE 14022Dc:

Chaerephon pumilus (Cretzschmar, 1826):
AMS: M.9951. - **BRTC:** 20911. - **HNHM:** 76.165.2, 76.165.3. - **MSB:** 34625. - **ROM:** 73985, 73986, 73987, 73988, 73989, 73990, 73991, 73992, 73993.
Epomophorus crypturus Peters, 1852:
BMNH: 1966.5415, 1966.5424, 1966.5425, 1968.993. - **HZM:** 58.11558.
Nycteris hispida (Schreber, 1774):
NMZL: 2936, 2936a, 2936b, 2937.
Nycteris woodi K. Andersen, 1914:
MSB: 34624.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 28143

SE 15022Ba:

Epomophorus crypturus Peters, 1852:
BMNH: 1968.992, 1968.994, 1968.995.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1968.996, 1968.997

SE 14023Dd:

Chaerephon chapini J.A. Allen, 1917:
NHMZ: 33070.
Chaerephon nigeriae Thomas, 1913:
NHMZ: 33073.
Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 33011.
Epomophorus crypturus Peters, 1852:
NHMZ: 33279.
Epomophorus dobsonii Bocage, 1889:
NHMZ: 33282.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 33145, 33254.
Laephotis botswanae Setzer, 1971:
NHMZ: 33067.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 33053.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
NHMZ: 33075.

Neoromicia capensis (A. Smith, 1829):
NHMZ: 33171, 33275.
Neoromicia nana (Peters, 1852):
NHMZ: 33273.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 33245, 33271.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 33147.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 33192.
Scotoecus albigula Thomas, 1909:
NHMZ: 33059, 33060, 33061, 33062, 33063, 33064, 33065, 33066.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 33301.
Scotophilus viridis (Peters, 1852):
NHMZ: 33121

SE 14025Ba:

Neoromicia capensis (A. Smith, 1829):
HZM: 18.3172

SE 14025Bb:

Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 10231

SE 14026Ca:

Epomophorus crypturus Peters, 1852:
NMZL: ECJS-26/2008, ECJS-28/2008, ECJS-45/2008, ECJS-47/2008, ECJS-57/2008.
Hipposideros caffer (Sundevall, 1846):
AMNH: 218897.
Hypsugo anchietae (Seabra, 1900):
NMZL: ECJS-42/2008.
Neoromicia capensis (A. Smith, 1829):
NMZL: ECJS-05/2008, ECJS-08/2008, ECJS-23/2008, ECJS-33/2008.
Neoromicia nana (Peters, 1852):
NMZL: ECJS-09/2008, ECJS-15/2008, ECJS-54/2008, ECJS-60/2008.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
NMZL: ECJS-114/2010.
Neoromicia zuluensis (Roberts, 1924):
NMZL: ECJS-43/2008, ECJS-44/2008.
Nycticeinops schlieffenii (Peters, 1859):
NMZL: ECJS-01/2008, ECJS-02/2008, ECJS-16/2008, ECJS-25/2008.
Pipistrellus rueppellii (Fischer, 1829):
NMZL: ECJS-03/2008, ECJS-04/2008.
Scotoecus hindei Thomas, 1901:
NMZL: ECJS-35/2008, ECJS-36/2008.
Scotophilus dinganii (A. Smith, 1833):
NMZL: ECJS-32/2008.
Scotophilus leucogaster (Cretzschmar, 1826):
NMZL: ECJS-12/2008, ECJS-13/2008, ECJS-14/2008, ECJS-17/2008.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NMZL: ECJS-58/2008.
VESPERTILIONIDAE Gray, 1821:
NMZL: ECJS-46/2008

SE 14027Cc:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 6918.
Nycteris macrotis Dobson, 1876:
NHMZ: 7572.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 6950

SE 15027Aa:

Neoromicia capensis (A. Smith, 1829):
ZFMK: 1978.0464.
Nycteris macrotis Dobson, 1876:
ZFMK: 1978.0465

SE 14027Ab:

Epomophorus dobsonii Bocage, 1889:
FMNH: 96267. - **NHMZ:** 22675, 22676.
Neoromicia nana (Peters, 1852):
NHMZ: 22678.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 22679, 22680

SE 14027Ba:

Epomophorus crypturus Peters, 1852:
BMNH: 1955.1061

SE 14028Ad:

Epomophorus crypturus Peters, 1852:
BMNH: 1932.9.1.246.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1932.9.1.249

SE 14030Ad:

Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 62107

SE 14031Aa:

Epomophorus crypturus Peters, 1852:
KM: 9909.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1966.5428. - **KM:** 9625.
Nycticeinops schlieffenii (Peters, 1859):
KM: 9662.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 9634.
Rhinolophus fumigatus Rüppell, 1842:
BMNH: 1907.1.11.5.
Scotophilus dinganii (A. Smith, 1833):
KM: 9658

SE 14032Bb:

Cloeotis percivali Thomas, 1901:
BMNH: 1966.5456, 1966.5456a, 1966.5456b, 1966.5457, 1966.5458. - **NHMZ:** 20077, 20098, 20103, 20177, 20180, 20189.
Epomophorus labiatus (Temminck, 1837):
KM: 9622.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 63499. - **TM:** 14668, 14669, 14670, 14671, 14672, 14673, 14674, 14675, 14676, 14677, 14678, 14679, 14680, 14681. - **USNM:** 365248, 365249, 365251, 365252, 365253, 365265, 365266, 365270, 365271, 365272, 365274, 479263, 479264, 479265, 479266, 479267.
Hipposideros ruber (Noack, 1893):
USNM: 365245, 365246, 365247, 365250, 365254, 365255, 365256, 365257, 365258, 365259, 365260, 365261, 365262, 365263, 365264, 365267, 365268, 365269, 365273, 367498, 367499, 367500, 367501, 367502, 367503, 367504, 367505, 367506, 367507, 367508, 367509, 367510, 367511, 367512, 367513, 367514, 367515, 367516, 367517, 367518, 367519, 367520, 367521, 367522, 367523, 367524, 367525, 367526, 367527, 367528, 367529, 367530, 367531, 367532, 367533, 367534.
Macronycteris vittatus (Peters, 1852):
BMNH: 1966.5455.
Micropteropus pusillus (Peters, 1868):
BMNH: 1972.542_1, 1972.542_2, 1972.542_3.
Miniopterus fraterculus Thomas and Schwann, 1906:
ROM: 35311, 35312.
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013:
BMNH: 1968.1014, 1968.1015, 1968.1017, 1968.1018.
Miniopterus natalensis (A. Smith, 1833):
BMNH: 1968.1016, 1968.1019, 1968.1020, 1968.1021, 1968.1022, 1968.1023, 1968.1033, 1968.1034, 1968.1035, 1968.1036, 1968.1037, 1968.1038, 1968.1039, 1968.1040, 1968.1041. - **FMNH:** 96270, 96271. - **NHMZ:** 63103. - **ROM:** 35310.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1966.5427, 1972.542, 1972.543, 1972.544, 1974.540, 1974.540_1, 1974.540_2, 1974.540_3, 1974.540_4, 1974.540_5, 1974.541. - **NHMZ:** 20052, 20081, 20082, 20084, 20085, 20086, 20092, 20094, 20095, 20096, 20099, 20100, 20156, 20174, 20175, 20183, 20188, 65176. - **TM:** 14684, 14685, 14686, 14687, 14688, 14689, 14690, 14691, 14692, 14693. - **USNM:** 365150, 365151, 365152, 365153, 365154, 365155, 365156, 365157, 365158, 365159, 365160, 365161, 365162, 365163, 365164, 365165, 365166, 365167, 365168, 365169, 365170, 365171, 365172, 365173, 365174, 365175, 367456,

367457, 367458, 367459, 367460, 367461, 367462, 367463, 367464, 367465, 367466, 367467, 367468, 367469, 367470, 367471, 367472, 367473, 367474, 367475, 367476, 367477, 367478, 367479, 367480, 367481, 367482, 367483, 367484, 367485, 367486, 367487, 367488, 367489, 367490, 367491, 367492, 367493, 367494, 367495.
Rhinolophus Lacépède, 1799:
TM: 43236, 43237. - **USNM:** 365275.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 9635.
Rhinolophus lobatus Peters, 1852:
NHMZ: 20080.
Rhinolophus rhodesiae Roberts, 1946:
AMNH: 207416. - **NHMZ:** 20078, 20079, 20102, 20105, 20107, 20108, 20109, 20181, 20182.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
USNM: 365214, 365215, 365216, 365217, 365218, 365219, 365220, 365221, 365222, 365223, 365224, 365225.
Scotophilus dinganii (A. Smith, 1833):
KM: 9659.
Triaenops afer Peters, 1877:
NHMZ: 20179. - **USNM:** 365320

SE 14033Aa:

Hipposideros caffer (Sundevall, 1846):
USNM: 479262.
Hipposideros ruber (Noack, 1893):
USNM: 365244.
Miniopterus natalensis (A. Smith, 1833):
USNM: 365453.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
NHMZ: 20110.
Rhinolophus lobatus Peters, 1852:
USNM: 365197.
Rhinolophus rhodesiae Roberts, 1946:
USNM: 365196.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
USNM: 365213

SE 14033Ad:

Epomophorus minor Dobson, 1880:
FMNH: 192057.
Neoromicia capensis (A. Smith, 1829):
DCDH: 3128.
Neoromicia nana (Peters, 1852):
TM: 14699, 14701.
Pipistrellus hesperidus (Temminck, 1840):
DCDH: 3125, 3126

SE 14033Cb:

Neoromicia nana (Peters, 1852):
TM: 14700, 14702. - **USNM:** 365334

SE 14033Dc:

Neoromicia nana (Peters, 1852):
USNM: 365321, 365322, 365323, 365324, 365325, 365326, 365327, 365328, 365329, 365330, 365331, 365332, 365333, 365335, 365336, 365337, 365338, 365339, 365340, 365341, 365342, 365343, 365344, 365345, 365346, 365347, 365348

SE 14033Bb:

Chaerephon bivittatus (Heuglin, 1861):
ZMA: MAM.28373, MAM.28374, MAM.28375, MAM.28376

SE 14034Ac:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 192058, 192059.
Neoromicia nana (Peters, 1852):
FMNH: 192110, 192111.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 192074.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 192079

SE 14034Ad:

Neoromicia nana (Peters, 1852):
NHMZ: 59239, 59246

SE 14034Cb:

Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
USNM: 365468, 365469

SE 14034Dc:

Epomophorus crypturus Peters, 1852:
TM: 9156, 9159, 9160, 9161.
Epomophorus minor Dobson, 1880:
WAM: M41293, M41294, M41295, M41307, M41308.
Eptesicus hottentotus (A. Smith, 1833):
TM: 9167.
Kerivoula argentata Tomes, 1861:
TM: 9172, 9173.
Neoromicia capensis (A. Smith, 1829):
TM: 41028, 41029, 9168.
Rhinolophus blasii Peters, 1867:
TM: 9163.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 9164.
Rhinolophus lobatus Peters, 1852:
TM: 9162.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
TM: 9165, 9166.
Scotophilus Leach, 1821:
BRTC: 20895.
Scotophilus dinganii (A. Smith, 1833):
TM: 9169, 9171

SE 14034Bb:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 62732. - **ZMA:** MAM.28389, MAM.28390.
Epomophorus crypturus Peters, 1852:
FMNH: #. - **ZMA:** MAM.25795.
Epomophorus labiatus (Temminck, 1837):
CM: 40975B. - **FMNH:** 409758, 409759, 409760, 409761, 409762. - **NMMB:** 74ROM933, 74ROM935. - **ZMA:** MAM.26110, MAM.26111, MAM.26112, MAM.26113, MAM.26114, MAM.26115, MAM.26116, MAM.26117, MAM.26118, MAM.26119.
Epomophorus minor Dobson, 1880:
CM: 409758, 409759, 409760, 409761, 409762, 409763, 409764.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 62205.
Nycteris macrotis Dobson, 1876:
ZMA: MAM.28348, MAM.28349, MAM.28350, MAM.28351, MAM.28352.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.28365, MAM.28366, MAM.28367.
Rhinolophus fumigatus Rüppell, 1842:
ZMA: MAM.28330, MAM.28331, MAM.28332

SE 14034Dd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.28356, MAM.28357, MAM.28358

SE 15035Aa:

Epomophorus minor Dobson, 1880:
SMF: 92165

SE 14035Ab:

Nycteris macrotis Dobson, 1876:
FMNH: 226237.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 226238.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 226187, 226188, 226189

SE 14035Ad:

Epomophorus minor Dobson, 1880:
WAM: M41193, M41240, M41241, M41242, M41244, M41245, M41246, M52607.
Hipposideros caffer (Sundevall, 1846):
MCZ: 43776, 43777, 43778.
Hipposideros ruber (Noack, 1893):
MCZ: 43779.
Neoromicia nana (Peters, 1852):
MCZ: 43775, 43780.
Nycteris hispida (Schreber, 1774):
BMNH: 1895.8.18.4, 1895.8.18.5.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 43767.
Otomops martiensseni (Matschie, 1897):
NMZL: 3228.
Rhinolophus darlingi K. Andersen, 1905:
BMNH: 1895.8.18.2.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
BMNH: 1895.8.18.1. - **MCZ:** 43764, 43765, 43766.
Scotophilus dinganii (A. Smith, 1833):
MCZ: 43768

SE 14035Cb:

Epomophorus labiatus (Temminck, 1837):
MCZ: 43763

SE 14035Cd:

Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013:
BMNH: 1987.1178.
Neoromicia capensis (A. Smith, 1829):
DCDH: 2984.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
DCDH: 3048.
Neoromicia zuluensis (Roberts, 1924):
DCDH: 2245, 2301, 2462, 2575, 3049, 3145, 3148.
Nycteris grandis Peters, 1865:
ZMA: MAM.28345.
Pipistrellus rueppellii (Fischer, 1829):
BMNH: 1987.1116. - **DCDH:** 2235.
Scotoecus hindei Thomas, 1901:
BMNH: 1987.1139

SE 14035Da:

Neoromicia nana (Peters, 1852):
HNHM: 2869.9

SE 14038Cc:

Chaerephon ansorgei (Thomas, 1913):
DNSM: 8607, 8608, 8609, 8610.
Epomophorus crypturus Peters, 1852:
DNSM: 8656.
Myonycteris angolensis goliath (Bergmans, 1997):
DNSM: 8653.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
DNSM: 8647.
Scotoecus hindei Thomas, 1901:
DNSM: 8553.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 8469.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 8617, 8618.
Tadarida fulminans (Thomas, 1903):
DNSM: 8619

SE 14040Dc:

Hipposideros caffer (Sundevall, 1846):
ZMB: 365.
Macronycteris vittatus (Peters, 1852):
ZMB: 363, 37150

SE 15040Ba:

Chaerephon pumilus (Cretzschmar, 1826):
BMNH: 1907.1.1.704.
Epomophorus crypturus Peters, 1852:
BMNH: 1922.7.17.24, 1922.7.17.26, 1922.7.17.27, 1922.7.17.28.
Mops (Xiphonycteris) brachypterus (Peters, 1852):
ZMB: 536/85537.
Scotophilus viridis (Peters, 1852):
ZMB: 73610

SE 14047Cc:

Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
FMNH: 184080

SE 15047Aa:

Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
FMNH: 184018, 184019, 184020, 184021, 184022, 184023, 184024

SE 14047Cd:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 184028, 184029, 184030.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 184075, 184077.
Miniopterus griveaudi Harrison, 1959:
FMNH: 184072, 184073, 184074, 184078.
Myotis goudoti (A. Smith, 1834):
FMNH: 184049.
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
FMNH: 184025, 184026.
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006:
FMNH: 184050, 184051, 184052, 184085, 184086

SE 14048Aa:

Myotis goudoti (A. Smith, 1834):
FMNH: 74204, 74205, 74206. - **MNHN:** ZM-MO-1949-310, ZM-MO-1949-311, ZM-MO-1949-311 A, ZM-MO-1985-420, ZM-MO-1985-421, ZM-MO-1985-423, ZM-MO-1985-424.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
AMNH: 100500. - **BMNH:** 1935.1.8.171, 1935.1.8.172. - **MNHN:** ZM-MO-1932-3393

SE 14049Cb:

Miniopterus Bonaparte, 1837:
FMNH: 167450

SE 14049Cd:

Myotis goudoti (A. Smith, 1834):
FMNH: 167449

SE 14049Bc:

Miniopterus Bonaparte, 1837:
FMNH: 172602.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 172600.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1984-1110, ZM-MO-1984-1111.
Myotis goudoti (A. Smith, 1834):
FMNH: 173263

SE 15012Cc:

Cistugo seabrae Thomas, 1912:
BMNH: 1906.1.3.3

SE 15012Ba:

Hipposideros caffer (Sundevall, 1846):
IICA: 493.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
IICA: 496

SE 15012Db:

Eptesicus hottentotus (A. Smith, 1833):
EBD: MAM 22248, MAM 22249, MAM 22250

SE 15012Dd:

Eptesicus hottentotus (A. Smith, 1833):
IICA: 727, 728, 729.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
IICA: 679

SE 15013Aa:

Epomophorus angolensis Gray, 1870:
MDL: 11180.
Tadarida Rafinesque, 1814:
MDL: 11180a, 11180b

SE 15013Ab:

Epomophorus angolensis Gray, 1870:
IICA: 121.
Hipposideros caffer (Sundevall, 1846):
SMW: 6705.
Hipposideros ruber (Noack, 1893):
IICA: 74.
Neoromicia capensis (A. Smith, 1829):
AMNH: 87633, 87634, 87635. - **IICA:** 1928.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
IICA: 147.
Rhinolophus damarensis Roberts, 1946:
SMW: 6415.
Rhinolophus fumigatus Rüppell, 1842:
IICA: 1916. - **SMW:** 6418

SE 15013Ba:

Epomophorus angolensis Gray, 1870:
FMNH: 83590, 83591, 84035, 84036, 84037, 84038, 84039, 84040, 84041, 84042, 84043, 84044, 84045, 84046, 84047.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 84048, 84049, 84050.
Hipposideros caffer (Sundevall, 1846):
FMNH: 83594, 83595, 84088, 84089, 84090, 84091, 84092, 84093, 84094, 84095, 84096, 84097, 84098, 84099, 84100, 84101, 84102, 84103, 84104, 84105, 84106, 84107.
Hipposideros ruber (Noack, 1893):
IICA: 364.
Laephotis botswanae Setzer, 1971:
FMNH: 83605, 84120.
Miniopterus Bonaparte, 1837:
FMNH: 84125, 84126, 84127, 84128, 84129, 84130, 84131, 84133, 84134, 84135, 84136, 84137, 84138, 84139, 84140, 84141, 84142, 84143, 84144, 84145.
Miniopterus fraterculus Thomas and Schwann, 1906:
FMNH: 83601, 83602, 83603, 83604.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 83600. - **IICA:** 1884.
Neoromicia capensis (A. Smith, 1829):
FMNH: 83598, 84121, 84122.
Neoromicia nana (Peters, 1852):
FMNH: 84123, 84124, 84132.
Rhinolophus damarensis Roberts, 1946:
FMNH: 84086.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 83596, 83597, 84087, 84108, 84109, 84110, 84111, 84112, 84113, 84114, 84115, 84116, 84117, 84118, 84119. - **IICA:** 1879.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 83606.

Tadarida Rafinesque, 1814:
FMNH: 84052, 84053.
Tadarida aegyptiaca bocagei (Seabra, 1900):
FMNH: 83613

SE 15016Ac:

Rhinolophus fumigatus Rüppell, 1842:
RMCA: 16283

SE 15022Aa:

Epomophorus crypturus Peters, 1852:
FMNH: 95206, 95207, 95212

SE 15022Ca:

Epomophorus dobsonii Bocage, 1889:
FMNH: 95213

SE 15022Bc:

Epomophorus crypturus Peters, 1852:
FMNH: 95208, 95209, 95210, 95211.
Neoromicia capensis (A. Smith, 1829):
FMNH: 95219.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 95216, 95217

SE 15023Aa:

Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 115962, 115963, 115964, 115965, 115966, 115967, 115968, 115969, 115970, 115971, 115972, 115973, 115974, 115975, 115976, 115977, 115978, 115979, 115980, 115981, 115982, 115983, 115984, 115985, 115986, 115987, 115988, 115989, 115990, 115991, 115992, 115993, 115994, 115995, 115996, 115997, 115998, 115999, 116000, 116001, 116002, 116003, 116004, 118497, 118498, 118499, 118500, 118501, 118502, 118503, 118504, 118505, 118506, 118507, 118508, 118509, 118510, 118511.
Chaerephon pumilus (Cretzschmar, 1826):
KM: 2452. - **MMK:** MAM/1011.
Epomophorus crypturus Peters, 1852:
AMNH: 115820. - **KM:** 1583.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 115913, 115914, 115916, 115917, 115918, 115919, 115920, 115921, 115922, 115923, 115924, 115925, 115926, 115927, 115928, 115929, 115930, 115931, 115932, 115933, 115934, 115935, 115936, 115937, 115938, 115939, 115940, 115941, 115942, 115943. - **KM:** 2510. - **MMK:** MAM/1023.
Mops (Mops) midas midas (Sundevall, 1843):
AMNH: 115912, 115915.
Nycteris hispida (Schreber, 1774):
AMNH: 118518. - **KM:** 8049.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 115823

SE 15023Ac:

Epomophorus crypturus Peters, 1852:
HZM: 68.11568.
Scotophilus leucogaster (Cretzschmar, 1826):
NMZL: 2930

SE 15023Cb:

Chaerephon nigeriae Thomas, 1913:
NHMZ: 33083.
Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 33026.
Epomophorus crypturus Peters, 1852:
NHMZ: 33281.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 33146.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 33058.
Mops (Mops) midas (Sundevall, 1843):
NHMZ: 33084.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
NHMZ: 33057.

Neoromicia capensis (A. Smith, 1829):
NHMZ: 33189.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 33162.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 33199.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 33300.
Scotophilus viridis (Peters, 1852):
NHMZ: 33129

SE 15025Bb:

Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 64052

SE 15025Dd:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 218902.
Hypsugo anchietae (Seabra, 1900):
BMNH: 1969.1248.
MOLOSSIDAE Gervais, 1856:
AMNH: 218903, 218904, 218905, 218906, 218907.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 66983.
Rhinolophus simulator K. Andersen, 1904:
BMNH: 1969.1247.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 218900, 218901. - **NMZL:** 2979

SE 15027Cc:

Epomophorus crypturus Peters, 1852:
HZM: 50.11549.
Macronycteris vittatus (Peters, 1852):
NHMZ: 22973, 22974.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 22756. - **UZMZ:** 472.
Nycteris hispida (Schreber, 1774):
NHMZ: 22971, 22972.
Pipistrellus rueppellii (Fischer, 1829):
CAS: 15110. - **NHMZ:** 22757.
Scotophilus dinganii (A. Smith, 1833):
UZMZ: 021, 21

SE 15027Ad:

Epomophorus wahlbergi (Sundevall, 1846):
CAS: 15102.
Miniopterus natalensis (A. Smith, 1833):
UZMZ: M177, M179, M180, M181, M451.
Neoromicia capensis (A. Smith, 1829):
CAS: 15111.
Neoromicia nana (Peters, 1852):
CAS: 15109.
Neoromicia rendalli (Thomas, 1889):
BMNH: 1968.1010, 1968.1011, 1968.1012. - **HZM:** 4.11407. - **UZMZ:** 015, 016, 280.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
UZMZ: 66.
Neoromicia zuluensis (Roberts, 1924):
UZMZ: 505.
Pipistrellus rusticus (Tomes, 1861):
HZM: 8.11411. - **UZMZ:** 547.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1968.142.
Scotophilus viridis (Peters, 1852):
UZMZ: 018, 019, 217, 218, 445, 446, 447, 448, 62, 63, 64, 65

SE 15027Cb:

Glauconycteris variegata (Tomes, 1861):
CAS: 15112.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 11966

SE 15027Cd:

Chaerephon nigeriae Thomas, 1913:
NMZL: 2876.
Chaerephon nigeriae spillmanni (Monard, 1933):
NMZL: 2877, 2972.
Chaerephon pumilus (Cretzschmar, 1826):
NMZL: 2903, 2904, 2905, 2906, 2907.
Mops (Mops) midas (Sundevall, 1843):
NMZL: 2873, 2874, 2875.
Mops (Mops) niveiventer Cabrera and Ruxton, 1926:
MCZ: 52741, 52742. - **NMZL:** 2880.
Neoromicia Roberts, 1926:
RMCA: 33298.
Neoromicia rendalli (Thomas, 1889):
NMZL: 3534, 3535, 3536.
Pipistrellus rusticus (Tomes, 1861):
NMZL: 2803.
Scotophilus dinganii (A. Smith, 1833):
NMZL: 2933.
Scotophilus nigrita (Schreber, 1774):
HNHM: 76.163.1.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NMZL: 2898, 2899, NH/20/2, NH/20/3

SE 15027Dc:

Epomophorus crypturus Peters, 1852:
BMNH: 1955.1055.
Neoromicia capensis (A. Smith, 1829):
NMZL: 2909

SE 16027Ba:

Epomophorus crypturus Peters, 1852:
HZM: 42.7597

SE 15027Dd:

Epomophorus crypturus Peters, 1852:
BMNH: 1955.1056, 1955.1057, 1955.1058, 1968.113, 1968.114, 1968.117, 1968.118, 1968.119, 1968.120, 1968.121.
Neoromicia capensis (A. Smith, 1829):
HZM: 10.2212, 7.2209.
Rhinolophus Lacépède, 1799:
BMNH: 1955.1123.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1955.1126, 1955.1127, 1968.140.
Tadarida aegyptiaca bocagei (Seabra, 1900):
BMNH: A-1682, A-1685, A-1686, A-1687, A-1688, A-1689, A-1690, A-1691, A-1692, A-1693, A-1694, A-1695, A-1696

SE 15028Ac:

Neoromicia nana (Peters, 1852):
NHMZ: 11698.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MSB: 34599

SE 15028Ca:

Macronycteris vittatus (Peters, 1852):
MSB: 32651, 33372, 33425, 33426, 33427. - **NHMZ:** 12259, 12260.
Miniopterus fraterculus Thomas and Schwann, 1906:
ROM: 73999.
Miniopterus natalensis (A. Smith, 1833):
CAS: 15113, 16172, 16173, 16174, 16175, 16176, 16177, 16178. - **HNHM:** 76.164.1. - **MSB:** 32662, 32663, 32664, 33375, 33376, 33377, 33378, 33379, 33380, 33381, 33382, 33383, 33384, 33385, 33386, 33387, 33388, 33389, 33390, 33391, 33392, 33521, 33522, 33523, 33524, 33525, 33526, 33527, 33528, 33529, 33530, 33531, 33532, 33533, 33534, 33535, 33536, 33537, 33538. - **NHMZ:** 10323, 63992. - **ROM:** 73994, 73995, 73996, 73997, 73998, 74000, 74001, 74002, 74003. - **TTU:** 18336, 18337, 18338, 18339, 18340, 18341, 18342. - **UZMZ:** M150, M230, M231, M251, M252, M253, M273, M274, M275, M276.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 20245. - **NMZL:** 2938.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MSB: 32652.

Rhinolophus blasii Peters, 1867:
UZMZ: 285.
Rhinolophus rhodesiae Roberts, 1946:
BMNH: 1968.600.
Rhinolophus simulator K. Andersen, 1904:
BMNH: 1968.1001, 1968.1002, 1968.999. - **TTU:** 18332. - **UZMZ:** 281, 282, 283, 284, 286.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
BMNH: 1968.998.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BMNH: A-1785. - **CAS:** 15101, 16162. - **MSB:** 32649, 32650, 33430. - **NHMZ:** 12246. - **NMZL:** -A.116

SE 15028Cc:

Eidolon helvum (Kerr, 1792):
USNM: 297469.
Neoromicia nana (Peters, 1852):
HNHM: 76.160.1

SE 15028Ad:

Cloeotis percivali Thomas, 1901:
CAS: 16171. - **HZM:** 18.11413, 20.11415. - **MSB:** 32653, 32654, 32655, 33348, 33351, 33353, 33355, 33393, 33402, 33403, 33404, 33405, 33407, 33408, 33409, 33410, 33453, 33461, 33462, 33473, 33474, 33491, 33496, 33497, 33498, 33499, 33565, 33567, 33610, 33611, 33612, 33613, 33614, 33615, 33616, 33636, 33638, 33640, 33641, 33643, 33644, 33649, 33650, 33652, 33653, 33679, 33680, 33698, 33699, 33700, 33724, 33725, 33738, 33739, 33759, 33760, 33761, 33762, 33763, 33764, 33774, 33775, 33777, 33791, 33792, 33800, 33802, 33827, 33828, 33829, 33856, 33908, 33909, 33910, 33921, 33922, 33966, 33967, 33968, 33969, 33971, 33989, 33990, 33991, 33992, 33993, 33994, 34008, 34009, 34010, 34011, 34012, 34013, 34014, 34062, 34063, 34064, 34065, 34066, 34067, 34068, 34077, 34078, 34079, 34080, 34081, 34082. - **NMZL:** 3437, 3438, 3439, A.240. - **ROM:** 73970. - **SMF:** 47482, 47483. - **TTU:** 18333. - **UZMZ:** 133, 134, 135, 136, 138, 145, 146, 247, 248, 249.
Eidolon helvum (Kerr, 1792):
NMZL: 3690.
Epomophorus crypturus Peters, 1852:
AMNH: 218965, 218966. - **BMNH:** 1966.5416, 1966.5426. - **HZM:** 29.4707, 30.4727, 31.4740, 47.11546, 48.11547, 52.11551, 53.11552, 56.11556, 57.11557, 59.11559, 62.11562, 63.11563, 65.11565.
Hipposideros Gray, 1831:
MSB: 33959.
Hipposideros caffer (Sundevall, 1846):
AMS: M.9950. - **CAS:** 16170. - **HNHM:** 76.159.1, 76.159.2. - **HZM:** 222.11490. - **MSB:** 32659, 32660, 32661, 33331, 33332, 33333, 33335, 33336, 33337, 33338, 33339, 33340, 33341, 33342, 33343, 33344, 33345, 33346, 33398, 33401, 33418, 33420, 33421, 33439, 33440, 33441, 33444, 33445, 33446, 33449, 33450, 33455, 33456, 33463, 33501, 33502, 33503, 33504, 33505, 33506, 33507, 33517, 33557, 33558, 33559, 33560, 33561, 33562, 33563, 33591, 33592, 33594, 33595, 33596, 33598, 33599, 33600, 33601, 33602, 33603, 33624, 33625, 33631, 33632, 33633, 33634, 33664, 33665, 33666, 33667, 33668, 33669, 33702, 33703, 33704, 33705, 33706, 33707, 33710, 33711, 33714, 33715, 33726, 33727, 33728, 33729, 33730, 33740, 33741, 33744, 33745, 33748, 33750, 33751, 33752, 33753, 33754, 33769, 33770, 33771, 33772, 33778, 33779, 33781, 33782, 33796, 33797, 33805, 33806, 33807, 33808, 33809, 33810, 33811, 33822, 33823, 33824, 33825, 33834, 33835, 33836, 33837, 33838, 33845, 33846, 33847, 33848, 33849, 33850, 33862, 33865, 33870, 33871, 33892, 33903, 33904, 33905, 33923, 33924, 33925, 33970, 33972, 34019, 34020, 34021, 34022, 34023, 34024, 34025, 34026, 34027, 34028, 34029, 34034, 34035, 34036, 34037, 34038, 34039, 34040, 34041, 34042, 34043, 34044, 34045, 34046, 34047, 34048, 34049, 34070, 34071, 34626. - **NMZL:** 3451, 3452, 3453, 3454, 3455, 3456. - **ROM:** 73968. - **SMF:** 47484. - **TM:** 41877. - **TTU:** 18334.
Macronycteris vittatus (Peters, 1852):
HNHM: 76.158.1. - **TTU:** 18335.
Miniopterus natalensis (A. Smith, 1833):
MSB: 33447, 33466, 33467, 33468, 33469, 33470, 33471, 33472, 33481, 33482, 33483, 33484, 33485, 33486, 33487, 33488, 33489, 33490, 33513, 33519, 33605, 33606, 33607, 33608, 33609, 33647, 33648, 33662, 33663, 33701, 33735, 33784, 33832, 33857, 33858, 33859, 33860, 33876, 33877, 33878, 33889, 33912, 33913, 33914, 33915, 33916, 33917, 33918, 33919, 33920, 33926, 33927, 33928, 33978, 33979, 33980, 33981, 33982, 33983, 33984, 33985, 33986, 33987, 33995, 33996, 33997, 33998, 33999, 34032, 34033, 34050, 34051, 34052, 34053. - **UZMZ:** M137.
Neoromicia nana (Peters, 1852):
AMS: M.9952.
Nycteris G. Cuvier and E. Geoffroy, 1795:
MSB: 33451, 33452.
Nycteris macrotis Dobson, 1876:
MSB: 33588, 33794, 34054. - **NMZL:** 3684, 3685.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1967.1245. - **CAS:** 15103. - **HNHM:** 76. 154.1, 76.154.1. - **HZM:** 169.11464. - **MSB:** 33357, 33400, 33415, 33553, 33555, 33556, 33582, 33583, 33584, 33623, 33654, 33671, 33672, 33673, 33674, 33675, 33681, 33695, 33697, 33731, 33732, 33733, 33755, 33756, 33789, 33790, 33795, 33815, 33816, 33817, 33818, 33819, 33820, 33821, 33830, 33831, 33840, 33852, 33853, 33854, 33855, 33864, 33866, 33868, 33869, 33888, 33895, 33897, 33961, 33964, 34031, 34623. - **NMZL:** 1443, 3444, 3445, 3446, 3447. - **SMF:** 47491.
Nycteris woodi K. Andersen, 1914:
HZM: 3.11408. - **MSB:** 33443, 33734, 33851, 34006, 34086, 34087. - **NMZL:** 1441, 3442.
Rhinolophus Lacépède, 1799:
MSB: 33442, 33767, 33885, 33958.

Rhinolophus blasii Peters, 1867:
HNHM: 76.157.1. - **MSB:** 33414, 33424, 33475, 33494, 33544, 33545, 33546, 33658, 33676, 33693, 33694, 33793, 33886, 33890, 33891, 33907, 33929, 33930, 33931, 33932, 33933, 33934, 33935, 33936, 33937, 33938, 33939, 33940, 33941, 33942, 33943, 33944, 33945, 33946, 33947, 33948, 33949, 33950, 33951, 33952, 33953, 33954, 33955, 33956, 34007, 34057, 34083, 34084, 34085, 34196. - **UZMZ:** 215, 235, 241, 242, 243, 246.
Rhinolophus rhodesiae Roberts, 1946:
BMNH: 1968.1396. - **MSB:** 33356, 33413, 33423, 33454, 33464, 33476, 33547, 33548, 33549, 33550, 33551, 33574, 33575, 33576, 33617, 33645, 33646, 33655, 33656, 33657, 33677, 33684, 33686, 33687, 33688, 33690, 33691, 33692, 33737, 33743, 33766, 33826, 33833, 33861, 33863, 33887, 33893, 33900, 33901, 33902, 33962, 33963, 33976, 33977, 33988, 34055, 34072, 34073, 34074, 34075, 34076. - **NMZL:** 3440. - **SMF:** 47486. - **UZMZ:** 236, 245.
Rhinolophus simulator K. Andersen, 1904:
AMS: M.9953. - **BMNH:** 1968.100, 1968.1000. - **CAS:** 16163, 16164, 16165, 16166, 16167, 16168, 16169. - **HNHM:** 76.156.1, 76.156.2. - **HZM:** 27.11478, 28.11479. - **MSB:** 32656, 32657, 32658, 33359, 33360, 33361, 33362, 33364, 33365, 33366, 33367, 33369, 33411, 33412, 33422, 33458, 33459, 33465, 33477, 33478, 33479, 33480, 33492, 33493, 33541, 33542, 33577, 33579, 33618, 33619, 33620, 33621, 33622, 33659, 33660, 33678, 33685, 33716, 33718, 33721, 33722, 33736, 33742, 33757, 33768, 33776, 33783, 33803, 33804, 33812, 33813, 33814, 33839, 33841, 33842, 33843, 33844, 33867, 33872, 33873, 33874, 33875, 33879, 33880, 33881, 33882, 33883, 33884, 33894, 33898, 33899, 33965, 33974, 33975, 34000, 34001, 34002, 34003, 34004, 34005, 34015, 34016, 34017, 34018, 34058, 34060, 34061, 34088, 34089, 34627. - **NHMZ:** 10316. - **NMZL:** 3448, 3449, 3450. - **ROM:** 73969. - **SMF:** 47485. - **TTU:** 18326, 18327, 18328, 18329, 18330, 18331. - **UWBM:** 62836. - **UZMZ:** 237, 238, 240.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
KM: 9628.
Scotoecus albofuscus (Thomas, 1890):
TM: 48306.
Scotophilus dinganii (A. Smith, 1833):
NMZL: 2735. - **ROM:** 73963.
Scotophilus leucogaster (Cretzschmar, 1826):
NMZL: 2759.
Scotophilus viridis (Peters, 1852):
ROM: 73964.
Tadarida Rafinesque, 1814:
MSB: 34190, 34191, 34192, 34193, 34194, 34195.
Taphozous E. Geoffroy St.-Hilaire, 1818:
MSB: 33785, 33786, 33787, 33788

SE 15028Cb:

Epomophorus crypturus Peters, 1852:
AMNH: 218964. - **BMNH:** 1966.5414. - **HZM:** 69.11569.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 12262. - **RMCA:** 29245.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 11703.
Macronycteris vittatus (Peters, 1852):
AMNH: 218967. - **CAS:** 15108. - **FMNH:** 95152, 95153. - **NHMZ:** 25860, 25861, 25862, 25863, 25864, 64267, 64268, 64269. - **TM:** 13527, 13528.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 218978. - **FMNH:** 95154, 95155. - **NHMZ:** 25851. - **TM:** 13529, 13530. - **USNM:** 156334, 368613, 368614.
Neoromicia capensis (A. Smith, 1829):
AMS: M.9954. - **HNHM:** 76.161.1, 76.162.1. - **MSB:** 34628. - **NHMZ:** 10376, 11190. - **ROM:** 73966.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NMZL: 3476.
Nycteris woodi K. Andersen, 1914:
BMNH: 1914.4.22.2. - **FMNH:** 11031. - **KM:** 11026, 11031. - **NHMZ:** 11699.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 11296.
Rhinolophus lobatus Peters, 1852:
FMNH: 95147.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
BMNH: 1975.2137.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 16529.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
HNHM: 76.152.1. - **NMZL:** 3457, 3458

SE 15028Cd:

Cloeotis percivali Thomas, 1901:
BMNH: 1959.358, 1959.359.
Hipposideros caffer (Sundevall, 1846):
CAS: 15106

SE 15028Bc:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NMZL: -

SE 15028Da:

Macronycteris vittatus (Peters, 1852):
CAS: 15107.
Miniopterus natalensis (A. Smith, 1833):
UZMZ: M153, M154, M155, M160, M226, M227, M228, M319.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
CAS: 15104.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 11418, 11419, 11420

SE 15028Dc:

Cloeotis percivali Thomas, 1901:
HZM: 13.4765, 14.4766, 15.4767, 16.4768, 16.4769, 17.4770, 3.3168, 4.3175, 5.3176, 6.3214, 7.3251, 8.3253, DLH 10065, DLH 10067, DLH 10068, DLH 10069, DLH 10070, DLH 10072, DLH 10073, DLH 10074, DLH 10075, DLH 10076, DLH 10079. - **NHMZ:** 10067, 10072, 10073, 10074, 10075. - **RMCA:** 29243, 29244.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 10080.
Hipposideros ruber (Noack, 1893):
WAM: M32682.
Macronycteris vittatus (Peters, 1852):
WAM: M32679, M32680.
Miniopterus Bonaparte, 1837:
WAM: M32684.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 10089.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
WAM: M32683.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
BMNH: 1959.354

SE 15028Dd:

Epomophorus crypturus Peters, 1852:
WAM: M32685, M32688, M32689, M32690, M32698, M32699, M32700, M32701, M32702, M32703, M32704, M32705, M32706, M32707, M32708, M32709, M32710, M32711, M32712, M32713, M32714, M32715, M32716, M32717, M32718, M32719, M32720, M32721.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
WAM: M32681.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
WAM: M32686, M32687, M32691, M32692, M32693, M32694, M32695, M32696, M32697

SE 15029Ca:

Nycteris grandis Peters, 1865:
TM: 41863

SE 15029Cb:

Chaerephon nigeriae Thomas, 1913:
TM: 45058.
Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 11750.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58578.
Neoromicia rendalli (Thomas, 1889):
TM: 41858, 41859.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
TM: 41860, 41861, 41862.
Nycteris hispida (Schreber, 1774):
HZM: 48.25092.
Scotophilus leucogaster (Cretzschmar, 1826):
TM: 45057, 45059.
Scotophilus viridis (Peters, 1852):
TM: 45055, 45056, 45060

SE 15029Cd:

Nycteris grandis Peters, 1865:
NHMZ: 31571, 5259, 60540. - **ROM:** 83973, 87400, 87404, 87405, 87415, 87427.
Nycteris hispida (Schreber, 1774):
HZM: 48.5092.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57029.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60501.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56955

SE 15029Da:

Nycteris grandis Peters, 1865:
NHMZ: 30659

SE 15029Dc:

Scotophilus viridis (Peters, 1852):
NHMZ: 58681

SE 15029Db:

Epomophorus crypturus Peters, 1852:
HZM: 20.3939.
Nycteris macrotis Dobson, 1876:
NHMZ: 60552.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 213047. - **NHMZ:** 25835

SE 15029Dd:

Rhinolophus lobatus Peters, 1852:
NHMZ: 60759.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 58258

SE 15030Cb:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58534.
Kerivoula argentata Tomes, 1861:
NHMZ: 60532.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60477.
Rhinolophus blasii Peters, 1867:
NHMZ: 62049.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 62048

SE 16030Ab:

Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60495

SE 15031Dc:

Epomophorus crypturus Peters, 1852:
USNM: 365123, 365124, 365125, 365126, 365127, 365128, 365129, 365130, 365131, 365132, 365133, 365134.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 14713, 14714, 14715, 14716, 14718.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 365405.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 365205, 365206.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
USNM: 365226.
Scotophilus Leach, 1821:
TM: 14704.
Scotophilus viridis (Peters, 1852):
USNM: 365411, 365412, 365413, 365414, 365415, 365416, 365417, 365418, 365419, 365420, 365421, 365422, 365423, 365424, 365425, 365426, 365427, 365428, 365429

SE 15032Da:

Nycticeinops schlieffenii (Peters, 1859):
USNM: 365402

SE 15033Ca:

Miniopterus natalensis (A. Smith, 1833):
TM: 14694

SE 15033Cb:

Chaerephon ansorgei (Thomas, 1913):
USNM: 365471.
Eptesicus hottentotus (A. Smith, 1833):
USNM: 365430, 365431, 365432, 365433, 365434.
Miniopterus natalensis (A. Smith, 1833):
USNM: 365454, 365455.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 365404.
Sauromys petrophilus (Roberts, 1917):
TM: 14709, 14710, 14711, 14712. - **USNM:** 365659, 365660, 365661, 365662, 365663, 365664, 365665, 365666, 365667, 365668, 365669, 365670, 365671, 365672.
Scotophilus dinganii (A. Smith, 1833):
USNM: 365435.
Scotophilus viridis (Peters, 1852):
USNM: 365436, 365437, 365438.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 14705, 14706, 14707, 14708.
Tadarida aegyptiaca bocagei (Seabra, 1900):
USNM: 365480, 365481, 365482, 365483, 365484, 365485, 365486, 365487, 365488, 365489, 365490, 365491.
Tadarida fulminans (Thomas, 1903):
USNM: 365472, 365473, 365474, 365475

SE 15033Db:

Hipposideros caffer (Sundevall, 1846):
TM: 1057, 14666. - **USNM:** 365243.
Miniopterus natalensis (A. Smith, 1833):
TM: 14695, 14696, 42736, 42737. - **USNM:** 365439, 365440, 365441, 365442, 365443, 365444, 365445, 365446, 365447, 365448, 365449, 365450, 365451, 365452, 365673, 365674, 365675, 365676, 365677, 365678, 365679, 365680, 365681, 367555, 367556, 367557, 367558, 367559, 367560, 367561, 367562, 367563, 367564, 367565, 367566, 367567, 367568, 367569, 367570, 367571.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 14683. - **USNM:** 365148, 365149.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 14659, 14660.
Rhinolophus lobatus Peters, 1852:
TM: 14653, 14655, 14656, 14657, 14662, 14663, 14664. - **USNM:** 365181, 365182, 365183, 365184, 365185, 365186, 365187, 365189, 365190, 365191, 365192, 365194, 365195, 365241.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
USNM: 365209, 365210, 365211, 365212.
Triaenops afer Peters, 1877:
TM: 14572, 14573, 14574, 14575, 14576, 14578, 14579, 14581, 14582, 14583, 14584, 14585, 14586, 14588, 14593, 14594, 14595, 14599, 14600, 14602, 14603, 14610. - **USNM:** 365188, 365284, 365285, 365286, 365287, 365288, 365289, 365290, 365291, 365292, 365293, 365294, 365295, 365296, 365297, 365298, 365299, 365300, 365302, 365303, 365304, 365305, 365306, 365307, 365308, 365309, 365310, 365311, 365312, 365313, 365314, 365315, 365316, 365317, 365318, 365319, 367536, 367537, 367538, 367539, 367540, 367541, 367542, 367543, 367544, 367545

SE 15034Cb:

Neoromicia nana (Peters, 1852):
USNM: 365349

SE 15034Db:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 37888, 37891, 37892, 37893, 37894, 37895, 37896, 37899, 37900, 37904, 37905.
Mops (Mops) midas (Sundevall, 1843):
MCZ: 51463. - **ROM:** 35794.
Neoromicia nana (Peters, 1852):
ROM: 35787, 35788, 35789, 35790, 35791, 35792, 35793, 35795, 35796, 35797, 35798, 35799, 35800, 35801, 35802.
Rhinolophus fumigatus Rüppell, 1842:
ROM: 35784.

Scotophilus dinganii (A. Smith, 1833):
ROM: 35785, 35786, 35803, 37886, 37887, 37889, 37890, 37897, 37898, 37901, 37902, 37903

SE 15034Dd:

Epomophorus crypturus Peters, 1852:
NMMB: 1082, 1083

SE 15035Aa:

Epomophorus crypturus Peters, 1852:
NMMB: 74ROM927.
Neoromicia zuluensis (Roberts, 1924):
HZM: 5.15414.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
WAM: M41163, M41175

SE 15035Ca:

Epomophorus wahlbergi (Sundevall, 1846):
ZMA: MAM.26136.
Laephotis botswanae Setzer, 1971:
DCDH: 2972, 2992, 3040.
Neoromicia capensis (A. Smith, 1829):
DCDH: 2995, 3041.
Neoromicia flavescens (Seabra, 1900):
DCDH: 2974.
Neoromicia nana (Peters, 1852):
DCDH: 2843, 2844, 2873, 2874, 2999, 3036.
Pipistrellus hesperidus (Temminck, 1840):
DCDH: 2859, 2886, 2893, 2894, 2895, 2996

SE 15035Cc:

Epomophorus crypturus Peters, 1852:
NMMB: 74ROM915, 74ROM916, 74ROM922, 74ROM938.
Epomophorus labiatus (Temminck, 1837):
NMMB: #a, #b, 74ROM918, NM118.
Neoromicia nana (Peters, 1852):
AMNH: 161949, 161950, 161951, 161952. - **KM:** 11705

SE 16035Aa:

Nycteris hispida (Schreber, 1774):
BMNH: 1896.10.24.1. - **SMTD:** B3759

SE 15035Ab:

Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.28380, MAM.28381, MAM.28382, MAM.28383, MAM.28384.
Epomophorus labiatus (Temminck, 1837):
TM: 41764, 41765, 41781.
Hipposideros ruber (Noack, 1893):
TM: 41780. - **ZMA:** MAM.28338.
Neoromicia zuluensis (Roberts, 1924):
HZM: 5.1544.
Nycteris macrotis Dobson, 1876:
TM: 41763.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.28344

SE 15035Ad:

Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.28386, MAM.28387, MAM.28388, MAM.28393, MAM.28394, MAM.28395, MAM.28396, MAM.28397, MAM.28398, MAM.28399, MAM.28400, MAM.28401, MAM.28402, MAM.28403, MAM.28404.
Eidolon helvum (Kerr, 1792):
BMNH: 1896.10.28.5, 1897.10.1.17, 1899.6.28.1.
Epomophorus crypturus Peters, 1852:
BMNH: 1894.6.7.1, 1895.12.7.2.
Epomophorus dobsonii Bocage, 1889:
ZMA: MAM.26138, MAM.26139, MAM.26140.
Epomophorus labiatus (Temminck, 1837):
ZMA: MAM.26106, MAM.26107, MAM.26108, MAM.26109, MAM.26120.

Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1936.4.16.1. - **ZMA:** MAM.26121, MAM.26122, MAM.26123, MAM.26124, MAM.26125, MAM.26126, MAM.26127, MAM.26128, MAM.26129, MAM.26130, MAM.26131.
Eptesicus hottentotus (A. Smith, 1833):
BMNH: 1892.8.1.10, 1892.8.1.9.
Laephotis botswanae Setzer, 1971:
BMNH: CN2269. - **DCDH:** 2269, 2456, 2682, 2855, 3012. - **ZMA:** MAM.29645, MAM.29646, MAM.29647, MAM.29648, MAM.29649.
Macronycteris vittatus (Peters, 1852):
ZMA: MAM.28339, MAM.28340.
Miniopterus fraterculus Thomas and Schwann, 1906:
AMNH: 161920, 161921, 161922, 161923, 161924, 161925, 161926, 161927. - **KM:** 11747.
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013:
BMNH: 1987.1156, 1987.1177.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 161928, 161929, 161930, 161931. - **KM:** 11760.
Mops (Mops) condylurus (A. Smith, 1833):
MCZ: 51464. - **ZMA:** MAM.28406, MAM.28407, MAM.28408, MAM.28409, MAM.28410.
Myotis bocagii bocagii (Peters, 1870):
AMNH: 161919.
Neoromicia capensis (A. Smith, 1829):
DCDH: 2225, 2355, 2430, 2857, 3031, 3034.
Neoromicia nana (Peters, 1852):
AMNH: 119376, 119377, 119378, 119379, 119380, 119381, 119382, 119383, 119384, 119385, 119386, 119387, 119388, 119389, 119390, 119391, 119392, 119393, 119394, 119395, 119396, 119397, 119398, 119399, 119400, 161932, 161933, 161934, 161935, 161936, 161937, 161938, 161939, 161940, 161941, 161942, 161943, 161944, 161945, 161946, 161947, 161948. - **DCDH:** 2137, 2160, 2161, 2162, 2164, 2165, 2166, 2167, 2170, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2213, 2250, 2251, 2483, 2484, 2545, 2679, 2687, 2688, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 3152. - **KM:** 11708, 11709, 11711, 11714, 11717, 11720. - **MCZ:** 43835, 43836, 43837, 43838, 43839, 43840.
Nycteris hispida (Schreber, 1774):
ZMA: MAM.28346.
Nycteris macrotis Dobson, 1876:
ZMA: MAM.28355.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.28360, MAM.28361, MAM.28362.
Pipistrellus hesperidus (Temminck, 1840):
DCDH: 2291, 2359, 2370, 2371, 2506, 2538, 2539, 2858, 3013, 3014, 3015, 3016, 3017, 3019, 3020, 3150, 3151, 3153, 3154.
Pipistrellus hesperidus hesperidus (Temminck, 1840):
BMNH: 1987.1096, 1987.1102, 1987.1103, 1987.1104, 1987.1105, 1987.1106, 1987.1107, 1987.1108, 1987.1109.
Pipistrellus rueppellii (Fischer, 1829):
BMNH: 1987.1117, 1987.1118, 1987.1119, 1987.1120. - **DCDH:** 2296, 2512, 2513, 2514, 2519, 2520, 3003, 3004, 3005, 3006.
Rhinolophus blasii Peters, 1867:
BMNH: 1893.7.9.33. - **ZMA:** MAM.28315, MAM.28316, MAM.28317, MAM.28318, MAM.28319.
Rhinolophus clivosus Cretzschmar, 1828:
AMNH: 161915. - **ZMA:** MAM.28321, MAM.28322, MAM.28323, MAM.28324, MAM.28326, MAM.28327, MAM.28328, MAM.28329.
Rhinolophus fumigatus Rüppell, 1842:
KM: 11681. - **ZMA:** MAM.28333, MAM.28334

SE 15035Cb:

Scotoecus albigula Thomas, 1909:
BMNH: 1987.1142

SE 15035Cd:

Epomophorus crypturus Peters, 1852:
AMNH: 161851, 161852. - **BMNH:** 1894.1.25.23.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 41784.
Laephotis botswanae Setzer, 1971:
TM: 44544.
Miniopterus inflatus Thomas, 1903:
TM: 41802.
Miniopterus natalensis (A. Smith, 1833):
TM: 41788, 41797, 41801.
Neoromicia capensis (A. Smith, 1829):
TM: 41796.
Neoromicia nana (Peters, 1852):
AMNH: 161953, 161954, 161955, 161956. - **TM:** 41786, 41806, 41807, 41808, 41809, 41810, 41812, 41813.
Pipistrellus grandidieri (Dobson, 1876):
TM: 41795, 41800, 41805.
Pipistrellus hesperidus (Temminck, 1840):
TM: 41787.

Rhinolophus blasii Peters, 1867:
TM: 41789.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 41790, 41791.
Rhinolophus darlingi K. Andersen, 1905:
TM: 41799.
Rhinolophus fumigatus Rüppell, 1842:
AMNH: 161916.
Rhinolophus rhodesiae Roberts, 1946:
FMNH: 192231.
Rhinolophus simulator K. Andersen, 1904:
BMNH: 1914.6.13.2.
Scotoecus hindei Thomas, 1901:
TM: 41785, 41803, 41804, 41811.
Triaenops afer Peters, 1877:
DNSM: 10831

SE 15035Dc:

Eidolon helvum (Kerr, 1792):
MCZ: 43761.
Epomophorus crypturus Peters, 1852:
MCZ: 43762.
Epomophorus minor Dobson, 1880:
FMNH: 192228.
Epomophorus wahlbergi (Sundevall, 1846):
KM: 11771.
Eptesicus hottentotus (A. Smith, 1833):
BMNH: 1892.8.1.8.
Neoromicia nana (Peters, 1852):
KM: 11722.
Pipistrellus Kaup, 1829:
FMNH: 192232.
Pipistrellus rusticus (Tomes, 1861):
DNSM: 9127.
Rhinolophus blasii Peters, 1867:
FMNH: 180967, 180968, 180969, 180970, 181165, 181166, 181167, 181168, 181169, 181170, 181171, 192229, 192230.
Rhinolophus fumigatus Rüppell, 1842:
KM: 11683.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KM: 11753.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 9123

SE 15036Bd:

Myotis tricolor (Temminck, 1832):
DNSM: 9849, 9850.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 10832

SE 15037Ac:

Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 8628. - **FMNH:** 177089, 177209, 177210.
Eptesicus hottentotus (A. Smith, 1833):
DNSM: 9846.
Hipposideros caffer (Sundevall, 1846):
FMNH: 177114, 177115, 177116, 177117, 177118, 177119, 177120, 177121, 177122, 177123, 177124, 177125, 177126, 177127, 177128, 177129, 177215.
Hipposideros ruber (Noack, 1893):
DNSM: 8549. - **FMNH:** 177130, 177131, 177132, 177133, 177134, 177135, 177136, 177137, 177138.
Miniopterus africanus Sanborn, 1936:
FMNH: 177152, 177153, 177154, 177155, 177156, 177157, 177158, 177159, 177160, 177161, 177162, 177163, 177164, 177165, 177166, 177167, 177168, 177169, 177170, 177171, 177172, 177173, 177174, 177219.
Miniopterus inflatus Thomas, 1903:
DNSM: 9847.
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013:
DNSM: 8484, 8520, 9840.
Myonycteris angolensis goliath (Bergmans, 1997):
DNSM: 8654, 8655.
Myotis bocagii (Peters, 1870):
DNSM: 10841.
Myotis tricolor (Temminck, 1832):
DNSM: 10835, 6235, 6236, 8552, 9118.

Neoromicia nana (Peters, 1852):
DNSM: 8475, 8478, 8530, 8532. - **FMNH:** 177139, 177140, 177141, 177142, 177143, 177144, 177145, 177146, 177147, 177148, 177149, 177150, 177151, 177216, 177217, 177218.
Nycteris hispida (Schreber, 1774):
DNSM: 8546.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 177098, 177099, 177100, 177101, 177102, 177213.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 10837, 8477.
Pipistrellus rusticus (Tomes, 1861):
DNSM: 9845.
Rhinolophus Lacépède, 1799:
FMNH: 177108, 177109, 177214.
Rhinolophus blasii Peters, 1867:
DNSM: 8480, 8481, 8482, 8483.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 10840, 8570, 8572, 8573. - **FMNH:** 177110, 177111, 177112, 177113.
Rhinolophus maendeleo Kock, Csorba and Howell, 2000:
DNSM: 10833, 10839.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
FMNH: 177103, 177104, 177105, 177106, 177107.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
DNSM: 8648, 8649, 8660. - **FMNH:** 177090, 177091, 177092, 177093, 177094, 177095, 177096, 177097, 177211, 177212.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 8467

SE 15037Ab:

Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018:
DNSM: 11482.
Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 11485

SE 15038Db:

Neoromicia nana (Peters, 1852):
NHMZ: 64000

SE 15039Aa:

Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013:
FMNH: 213651, 213652

SE 15040Ba:

Epomophorus crypturus Peters, 1852:
BMNH: 1922.7.17.25.
Epomophorus wahlbergi (Sundevall, 1846):
MCZ: 22774

SE 15040Bb:

Chaerephon pumilus (Cretzschmar, 1826):
ZMB: 537/85520, 538/85519

SE 15045Dd:

Chaerephon leucogaster (A. Grandidier, 1869):
MNHN: ZM-MO-1991-1861, ZM-MO-1991-1862, ZM-MO-1991-1864, ZM-MO-1991-1865.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1991-1846, ZM-MO-1991-1847, ZM-MO-1991-1848, ZM-MO-1991-1849, ZM-MO-1991-1850, ZM-MO-1991-1851, ZM-MO-1991-1852, ZM-MO-1991-1853

SE 15046Cb:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 184604, 184605, 184606, 184607, 184608, 217995, 217997, 217998, 217999. - **UADBA:** 50319, 50320, 50323, 50325, 50329.
Miniopterus griveaudi Harrison, 1959:
FMNH: 184055, 184056, 184057, 209256, 209257. - **MNHN:** ZM-MO-1947-298C. - **UADBA:** 43190, 43191, 43192, 43193, 43194, 43195, 43196.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1947-298 A, ZM-MO-1947-298 B, ZM-MO-1947-298 C.

Mops (Mops) leucostigma (G.M. Allen, 1918):
FMNH: 184698.
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
MNHN: ZM-MO-1947-292.
Neoromicia somalica (Thomas, 1901):
NMW: 19654.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
MNHN: ZM-MO-1962-2621

SE 15046Cd:

Neoromicia capensis (A. Smith, 1829):
USNM: 328730

SE 15046Dc:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 185020, 185021, 185022, 185027, 185028, 185029, 185030.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 184886, 184887.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
FMNH: 221286, 221287, 221288, 221290, 221291, 221292, 221294. - **UADBA:** 32392, 32394, 32397, 32398, 32399, 43751, 43763

SE 15046Db:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 221387. - **UADBA:** 32931, 32932.
Eidolon dupreanum (Schegel, 1867):
UA: 8995, 8996, 8997, 8998, 8999, 9000, 9001, 9002, 9003, 9004, 9005, 9006, 9007, 9008.
Hipposideros besaoka Samonds, 2007:
UA: 9218, 9219, 9220, 9221, 9222, 9223, 9224, 9225, 9226, 9227, 9228, 9229, 9230, 9231, 9232, 9233, 9234, 9235, 9236, 9237, 9238, 9239, 9240, 9241, 9242, 9243, 9244, 9245, 9246, 9247, 9248, 9249, 9250, 9251, 9252, 9253, 9254, 9255, 9256, 9257, 9258, 9259, 9260, 9261, 9262, 9263, 9264, 9265, 9266, 9267, 9268, 9269, 9270, 9271, 9272, 9273, 9274, 9275, 9276, 9277, 9278, 9279, 9280, 9281, 9282, 9283, 9284, 9285, 9286, 9287, 9288, 9289, 9290, 9291, 9292, 9293, 9294, 9295, 9296, 9297, 9298, 9299, 9300, 9301, 9302, 9303, 9304, 9305, 9306, 9307, 9308, 9309, 9310, 9311, 9312, 9313, 9314, 9315, 9316, 9317, 9318, 9319, 9320, 9321, 9322, 9323, 9324, 9325, 9326, 9327, 9328, 9329, 9330, 9331, 9332, 9333, 9334, 9335, 9336, 9337, 9338, 9339, 9340, 9341, 9342, 9343, 9344, 9345, 9346, 9347, 9348, 9349, 9350, 9351, 9352, 9353, 9354, 9355, 9356, 9357, 9358, 9359, 9360, 9361, 9362, 9363, 9364, 9365, 9366, 9367, 9368, 9369, 9370, 9371, 9372, 9373, 9374, 9375, 9376, 9377, 9378, 9379, 9380, 9381, 9382, 9383, 9384, 9385, 9386, 9387, 9388, 9389, 9390, 9391, 9392, 9393, 9394, 9395, 9396, 9397, 9398, 9399, 9400, 9401, 9402, 9403, 9404, 9405, 9406, 9407, 9408, 9409, 9410, 9411, 9412, 9413, 9414, 9415, 9416, 9417, 9418, 9419, 9420, 9421, 9422, 9423, 9424, 9425, 9426, 9427, 9428, 9429, 9430, 9431, 9432, 9433, 9434, 9435, 9436, 9437, 9438, 9439, 9440, 9441, 9442, 9443, 9444, 9445, 9446, 9447, 9448, 9449, 9450, 9451, 9452, 9453, 9454, 9455, 9456, 9457, 9458, 9459, 9460, 9461, 9462, 9463, 9464, 9465, 9466, 9467, 9468, 9469, 9470, 9471b, 9471c, 9471d, 9471e, 9471f, 9471g, 9471h, 9471i, 9471j, 9471k, 9471l, 9471m, 9471n, 9471o, 9471p, 9471q, 9471r, 9471s, 9471t, 9471u, 9471v, 9471w, 9471x, 9471y, 9472a, 9472b, 9472c, 9472d, 9472e, 9472f, 9472g, 9472h, 9472i, 9472j, 9472k, 9472l, 9472m, 9472n, 9472o, 9472p, 9472q, 9473, 9474, 9475, 9476, 9477, 9478, 9479a, 9479aa, 9479ab, 9479ac, 9479ad, 9479ae, 9479af, 9479ag, 9479ah, 9479ai, 9479aj, 9479ak, 9479al, 9479am, 9479an, 9479ao, 9479ap, 9479aq, 9479ar, 9479as, 9479at, 9479au, 9479av, 9479aw, 9479ax, 9479ay, 9479az, 9479b, 9479ba, 9479bb, 9479bc, 9479bd, 9479be, 9479bf, 9479bg, 9479bh, 9479bi, 9479bj, 9479bk, 9479bl, 9479bm, 9479bn, 9479bo, 9479bp, 9479bq, 9479br, 9479bs, 9479bt, 9479bu, 9479bv, 9479bw, 9479bx, 9479by, 9479bz, 9479c, 9479ca, 9479cb, 9479cc, 9479cd, 9479ce, 9479cf, 9479cg, 9479ch, 9479ci, 9479cj, 9479ck, 9479cl, 9479cm, 9479cn, 9479co, 9479cp, 9479cq, 9479cr, 9479cs, 9479ct, 9479cu, 9479cv, 9479cw, 9479cx, 9479cy, 9479cz, 9479d, 9479da, 9479db, 9479dc, 9479dd, 9479de, 9479df, 9479dg, 9479dh, 9479di, 9479dj, 9479dk, 9479dl, 9479dm, 9479e, 9479f, 9479g, 9479h, 9479i, 9479j, 9479k, 9479l, 9479m, 9479n, 9479o, 9479p, 9479q, 9479r, 9479s, 9479t, 9479u, 9479v, 9479w, 9479x, 9479y, 9479z, 9480a, 9480b, 9480c, 9480d, 9480e, 9480f, 9480g, 9480h, 9480i, 9480j, 9480k, 9480l, 9480m, 9480n, 9480o, 9480p, 9480q, 9480r, 9480s, 9480t, 9480u, 9480v, 9480w, 9480x, 9480y, 9481, 9482, 9483, 9484, 9485, 9486, 9487, 9488, 9489, 9490, 9491, 9492, 9493, 9494, 9495, 9496, 9497, 9498, 9499, 9500, 9501, 9502, 9503, 9504, 9505, 9506, 9507, 9508, 9509, 9510, 9511, 9512, 9513, 9514, 9515, 9516, 9517, 9518, 9519, 9520, 9521, 9522, 9523, 9525, 9526, 9527, 9528a, 9528b, 9528c, 9528d, 9528e, 9528f, 9528g, 9528h, 9528i, 9528j, 9528k, 9528l, 9528m, 9528n, 9528o, 9528p, 9528q, 9528r, 9528s, 9528t, 9528u, 9528v, 9528w, 9528x, 9528y, 9528z, 9529a, 9529b, 9529c, 9529d, 9529e, 9529f, 9529g, 9529h, 9529i, 9529j, 9529k, 9529l, 9529m, 9529n, 9529o, 9529p, 9529q, 9529r, 9529s, 9529t, 9529u, 9529v, 9529w, 9529x, 9530, 9531, 9532, 9533, 9534a, 9534b, 9534c, 9535a, 9535b, 9535c, 9535d, 9535e, 9535f, 9536a, 9536b, 9536c, 9536d, 9537, 9538, 9539, 9540a, 9540b, 9540c, 9540d, 9540e, 9540f, 9540g, 9540h, 9541d, 9541e, 9541f, 9541g, 9541h, 9541i, 9541j, 9541k, 9541l, 9541m, 9541n, 9541o, 9541p, 9541q, 9541r, 9541s, 9541t, 9541u, 9542a, 9542b, 9542c, 9542d, 9542e, 9542f, 9542g, 9542h, 9542i, 9543a, 9543b, 9543c, 9543d, 9543e, 9543f, 9543g, 9544a, 9544b, 9544c, 9544d, 9544e, 9544f, 9545a, 9545b, 9545c, 9545d, 9545e, 9545f, 9546a, 9546b, 9546c, 9546d, 9546e, 9546f, 9547a, 9547b, 9548, 9549a, 9549b, 9550a, 9550b, 9550c, 9550d, 9551a, 9552.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 209108, 209109, 209110, 209111. - **UA:** 9009, 9201, 9202, 9207, 9208, 9209, 9210, 9211, 9213, 9214. - **UADBA:** 32916, 43747. - **USNM:** 328725, 328726, 328727.
Miniopterus griveaudi Harrison, 1959:
FMNH: 179232, 179233, 179234, 179235, 179236, 179308, 179309, 179310, 179311, 179312, 179313, 179314, 221396, 221398, 221399, 221400, 221402, 221403, 221404, 221405, 221407, 221408, 221409, 221410, 228870, 228872, 228874, 228875, 228876, 228878, 228881, 228882. - **UADBA:** 32939, 32940, 32941, 32943, 32946, 32947, 32953, SMG-18853, SMG-18874, SMG-18908.

Miniopterus manavi Thomas, 1906:
USNM: 328731, 328732, 328733, 328734, 328735, 328736, 328737.
Myotis goudoti (A. Smith, 1834):
FMNH: 179307, 228866. - **UA:** 9217. - **UADBA:** SMG-18920.
Otomops madagascariensis Dorst, 1953:
FMNH: 179316, 179317, 179318, 221380, 221381, 221382, 221383, 221384. - **UADBA:** 32923, 32924, 32925, 32926, 32927, 32928.
Paratriaenops furculus (Trouessart, 1907):
FMNH: 228844, 228848, 228851. - **UADBA:** SMG-18886, SMG-18888, SMG-18890, SMG-18892, SMG-18894, SMG-18902.
Rousettus madagascariensis G. Grandidier, 1929:
FMNH: 209106, 221358, 221362, 221363, 221364, 221365, 221366, 221367, 221368, 221370, 221371, 228826. - **UA:** 9206, 9216. - **UADBA:** 32900, 32901, 32903, 32904, 32905, 32906, 32907, 32908, 32909, 32910, 32911, 32913, 32915, SMG-18921.
Triaenops Dobson, 1871:
UA: 9200, 9203, 9204.
Triaenops goodmani Samonds, 2007:
UA: 9010, 9011, 9012.
Triaenops menamena Goodman and Ranivo, 2009:
FMNH: 228860, 228863, 228864. - **UADBA:** SMG-18883, SMG-18884, SMG-18885

SE 15047Aa:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 184027.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 184059, 184061, 184063, 184064, 184065, 184067, 184068, 184069, 184071.
Miniopterus griveaudi Harrison, 1959:
FMNH: 184058, 184062, 184066.
Myotis goudoti (A. Smith, 1834):
FMNH: 184043, 184044, 184045, 184046, 184047, 184048.
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
FMNH: 184013, 184014, 184015, 184016, 184017

SE 15048Dd:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
MCZ: 45076, 45077, 45078, 45079

SE 15049Bc:

Miniopterus Bonaparte, 1837:
MNHN: ZM-MO-1947-294 A, ZM-MO-1947-294 B, ZM-MO-1947-294 C, ZM-MO-1947-294 D, ZM-MO-1947-294 E, ZM-MO-1947-294 F, ZM-MO-1947-294 G, ZM-MO-1947-294 H, ZM-MO-1947-294 I, ZM-MO-1947-295 A, ZM-MO-1947-295 B, ZM-MO-1947-295 C, ZM-MO-1947-295 D, ZM-MO-1947-295 E, ZM-MO-1947-295 F, ZM-MO-1947-295 G, ZM-MO-1947-295 H, ZM-MO-1947-295 I, ZM-MO-1947-295 J, ZM-MO-1947-295 K, ZM-MO-1947-296 A, ZM-MO-1947-296 B.
Miniopterus gleni Peterson, Eger and Mitchell, 1995:
FMNH: 74183, 74184, 74185, 74186, 74187.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1947-297 J, ZM-MO-1947-297 K, ZM-MO-1947-297 M, ZM-MO-1947-297 N, ZM-MO-1947-297 O, ZM-MO-1947-297 P, ZM-MO-1984-1099.
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008:
MNHN: ZM-MO-1996-357.
Myotis goudoti (A. Smith, 1834):
MNHN: ZM-MO-1947-306 A, ZM-MO-1947-306 B, ZM-MO-1947-306 C, ZM-MO-1947-306 D, ZM-MO-1947-306 E, ZM-MO-1947-306 F.
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
MNHN: ZM-MO-1985-654.
Paremballonura atrata (Peters, 1874):
MNHN: ZM-MO-1985-411.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
AMNH: 100487.
Rousettus madagascariensis G. Grandidier, 1929:
MNHN: ZM-MO-1985-655A, ZM-MO-1985-655B

SE 15049Da:

Miniopterus Bonaparte, 1837:
MNHN: ZM-MO-1984-1028, ZM-MO-1984-1029, ZM-MO-1984-1030, ZM-MO-1984-1031, ZM-MO-1984-1032, ZM-MO-1984-1033, ZM-MO-1984-1034, ZM-MO-1984-1035, ZM-MO-1984-1036, ZM-MO-1984-1037, ZM-MO-1984-1038, ZM-MO-1984-1039, ZM-MO-1984-1040, ZM-MO-1984-1041, ZM-MO-1984-1042, ZM-MO-1984-1043, ZM-MO-1984-1044, ZM-MO-1984-1045, ZM-MO-1984-1046, ZM-MO-1984-1047, ZM-MO-1984-1048, ZM-MO-1984-1049, ZM-MO-1984-1050.
Myotis goudoti (A. Smith, 1834):
MNHN: ZM-MO-1947-305.
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
MNHN: ZM-MO-1985-434.

Paremballonura atrata (Peters, 1874):
FMNH: 74198, 74199, 74200, 74201, 74202, 74203. - **MNHN:** ZM-MO-1947-288 A, ZM-MO-1947-288 B, ZM-MO-1947-288 C, ZM-MO-1947-288 D, ZM-MO-1947-288 E, ZM-MO-1947-288 F, ZM-MO-1947-288 G, ZM-MO-1947-288 H, ZM-MO-1947-288 I, ZM-MO-1947-288 J, ZM-MO-1947-288 K, ZM-MO-1947-288 L, ZM-MO-1947-288 M, ZM-MO-1947-288 N, ZM-MO-1947-288 O, ZM-MO-1947-288 P, ZM-MO-1947-288 Q, ZM-MO-1947-289 A, ZM-MO-1947-289 B, ZM-MO-1947-289 C, ZM-MO-1947-289 D, ZM-MO-1947-289 E, ZM-MO-1947-289 F, ZM-MO-1947-289 G, ZM-MO-1947-289 H, ZM-MO-1947-289 I, ZM-MO-1947-289 J, ZM-MO-1947-289 K, ZM-MO-1947-289 L, ZM-MO-1947-289 M, ZM-MO-1947-289 N, ZM-MO-1947-289 O, ZM-MO-1947-289 P, ZM-MO-1947-289 Q, ZM-MO-1947-289 R, ZM-MO-1947-289 S, ZM-MO-1947-289 T, ZM-MO-1996-358, ZM-MO-1996-359, ZM-MO-1996-360.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
BMNH: 1935.1.8.176, 1935.1.8.177. - **MNHN:** ZM-2006-144, ZM-MO-1932-3387, ZM-MO-1932-3392

SE 15049Bd:

Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011:
FMNH: 202519, 202520, 202521.
Miniopterus gleni Peterson, Eger and Mitchell, 1995:
FMNH: 202524, 202525.
Miniopterus majori Thomas, 1906:
FMNH: 202518.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1985-949.
Myotis goudoti (A. Smith, 1834):
FMNH: 202497, 202498, 202499, 202500, 202501, 202502, 202503, 202504, 202505, 202506.
Paremballonura atrata (Peters, 1874):
MNHN: ZM-MO-1985-948

SE 15049Db:

Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009:
FMNH: 202523.
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011:
FMNH: 202522.
Miniopterus gleni Peterson, Eger and Mitchell, 1995:
FMNH: 202526, 202528, 202530, 202531, 202533, 202534, 202535, 202536, 202537

SE 16013Cb:

Chaerephon chapini J.A. Allen, 1917:
IICA: 6046

SE 16014Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MHNG: 1326.013. - **MSNG:** 45881. - **ZMB:** 5105.
Scotophilus dinganii (A. Smith, 1833):
RMNH: MAM.28012

SE 16015Aa:

Epomophorus angolensis Gray, 1870:
IICA: 2558.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
IICA: 2479

SE 16023Ac:

Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
BMNH: 1966.5460

SE 16023Cd:

Laephotis botswanae Setzer, 1971:
NMP: RS966.
Neoromicia capensis (A. Smith, 1829):
NMP: RS986

SE 17026Ab:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 30893

SE 16026Dc:

Kerivoula argentata Tomes, 1861:
NHMZ: 30890.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 31742

SE 16026Db:

Epomophorus crypturus Peters, 1852:
FMNH: 152194, 152195, 152196, 152197, 152198, 152199, 152200, 152201, 152202, 152203, 152204, 152205, 152206, 152207

SE 16026Dd:

Neoromicia nana (Peters, 1852):
NHMZ: 16527.
Scotophilus dinganii (A. Smith, 1833):
MSB: 34600. - **ROM:** 73962

SE 16027Ca:

Neoromicia capensis (A. Smith, 1829):
NMZL: 27322.
Neoromicia nana (Peters, 1852):
AMNH: 218968. - **NHMZ:** 11810, 11811. - **NMZL:** 2730.
Nycteris macrotis Dobson, 1876:
NHMZ: 30903.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 31393. - **NMZL:** 2974.
Pipistrellus rusticus (Tomes, 1861):
NMZL: 2736.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 30904

SE 16027Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1921.8.11.2, CN24, CN25, CN27. - **KM:** 1662, 1663, 1664, 1665, 1666

SE 17028Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63341.
Rhinolophus lobatus Peters, 1852:
NHMZ: 9564

SE 16028Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 11651, 11652, 11653, 11654, 11655

SE 16028Cd:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58559, 58619, 58703, 61970, 61971, 61972, 82362.
Kerivoula argentata Tomes, 1861:
NHMZ: 60534.
Macronycteris vittatus (Peters, 1852):
NHMZ: 65147.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57007, 57348, 8996.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60484.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 77683.
Rhinolophus lobatus Peters, 1852:
NHMZ: 60719, 60739.
Rhinolophus rhodesiae Roberts, 1946:
NHMZ: 62090.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57602.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 77682.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 77686

SE 16028Dc:

Hipposideros caffer (Sundevall, 1846):
DNSM: 1102. - **NHMZ:** 57208.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 58465.
Nycteris macrotis Dobson, 1876:
NHMZ: 62022, 62023.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 58466.
Rhinolophus blasii Peters, 1867:
NHMZ: 57209.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 61975.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 61973

SE 16028Db:

Epomophorus crypturus Peters, 1852:
CM: 40974, 40975, 40976.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58702, 62078, 9565.
Nycteris macrotis Dobson, 1876:
NHMZ: 57083.
Nycteris woodi K. Andersen, 1914:
NHMZ: 57211

SE 16028Dd:

Chaerephon nigeriae Thomas, 1913:
NHMZ: 31746.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 30698, 31334, 31335, 31336, 31337.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 31326.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 30722, 31754.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 31325, 31377.
Otomops martiensseni (Matschie, 1897):
NHMZ: 59834.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 60702.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 30699

SE 16029Ad:

Chaerephon nigeriae Thomas, 1913:
TM: 45067

SE 16029Dc:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57580.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59107

SE 17029Ba:

Miniopterus natalensis (A. Smith, 1833):
FMNH: 95156, 95157. - **NHMZ:** 25845.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 25834

SE 16029Db:

Epomophorus crypturus Peters, 1852:
HZM: 18.3929

SE 16029Dd:

Scotophilus leucogaster (Cretzschmar, 1826):
TM: 45070

SE 16030Aa:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 30703.
Macronycteris vittatus (Peters, 1852):
NHMZ: 67034.
Nycteris hispida (Schreber, 1774):
NHMZ: 32126

SE 16030Ac:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 29759.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 25843.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 29758

SE 16030Ca:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59530

SE 16030Cc:

Rhinolophus rhodesiae Roberts, 1946:
NHMZ: 60557, 60561

SE 17030Aa:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 58247

SE 16030Ab:

Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 30066, 30309, 30310, 30311, 30312, 30313, 30314, 30315, 30316, 30317, 30318, 30319, 30320, 30321, 30322

SE 16030Ad:

Pipistrellus rueppellii (Fischer, 1829):
HZM: 5.6297

SE 16030Bc:

Rhinolophus rhodesiae Roberts, 1946:
NHMZ: 62091.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 58242

SE 16030Da:

Scotophilus dinganii (A. Smith, 1833):
NHMZ: 57638

SE 16030Dc:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58555

SE 16030Bd:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 29757, 84403.
Epomophorus crypturus Peters, 1852:
NHMZ: 84401.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 58725.

Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 29742, 29743, 29745, 29746, 29747, 29748, 29749, 29751, 29752, 29753, 29754, 84404.
Mops (Mops) midas (Sundevall, 1843):
NHMZ: 29733, 29737, 29738, 29739, 29740, 29741, 84400.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 84387.
Scotophilus viridis (Peters, 1852):
NHMZ: 84393

SE 16030Db:

Epomophorus crypturus Peters, 1852:
USNM: 382641.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 82881.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 30089.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 30090.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 30660

SE 16030Dd:

Epomophorus crypturus Peters, 1852:
NHMZ: 58073.
Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 56217.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 57751.
Macronycteris vittatus (Peters, 1852):
NHMZ: 57609.
Myotis bocagii (Peters, 1870):
NHMZ: 57512.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58051.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56313.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 56220.
Rhinolophus lobatus Peters, 1852:
NHMZ: 56219.
Rhinolophus rhodesiae Roberts, 1946:
NHMZ: 57223.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 57755

SE 16031Ac:

Mops (Mops) midas (Sundevall, 1843):
NHMZ: 29760, 29767, 29769, 29770.
Neoromicia nana (Peters, 1852):
NHMZ: 82575.
Nycteris woodi K. Andersen, 1914:
HZM: 2.6696. - **NHMZ:** 57033, 57034, 60543, 60545, 60546, 60547, 60548, 60549, 60550, 60551.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 82440

SE 17031Aa:

Epomophorus crypturus Peters, 1852:
CM: 325

SE 16031Ad:

Epomophorus crypturus Peters, 1852:
NHMZ: 84366.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 84378, 84379.
Nycteris macrotis Dobson, 1876:
NHMZ: 84377.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 84380.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 84365

SE 16031Cb:

Epomophorus wahlbergi (Sundevall, 1846):
NHMZ: 84333

SE 16031Db:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 84353.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 84346.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 62073.
Nycteris woodi K. Andersen, 1914:
NHMZ: 31366.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 84344.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 84345

SE 17032Aa:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 84268.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 84270.
Myotis bocagii (Peters, 1870):
NHMZ: 84235.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 84245.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 84269.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 84272.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 84247.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 84261.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 84260

SE 16032Cb:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58550, 58551.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 84332.
Triaenops afer Peters, 1877:
NHMZ: 84335

SE 16032Cd:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 84291.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 84292.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 84280.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 84315.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 84281.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 84284

SE 16032Dc:

Epomophorus crypturus Peters, 1852:
MNHN: ZM-MO-1990-135, ZM-MO-1990-138, ZM-MO-1990-139, ZM-MO-1990-141, ZM-MO-1990-147, ZM-MO-1990-148, ZM-MO-1990-149.
Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-MO-1990-145, ZM-MO-1990-146, ZM-MO-1990-150.
Epomophorus wahlbergi (Sundevall, 1846):
NHMZ: 84325, 84326.

Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1990-154, ZM-MO-1990-155, ZM-MO-1990-156, ZM-MO-1990-157, ZM-MO-1990-158, ZM-MO-1990-159, ZM-MO-1990-160, ZM-MO-1990-161, ZM-MO-1990-162, ZM-MO-1990-163, ZM-MO-1990-164.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 84321.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 84324.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 84323.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 84320

SE 16032Db:

Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60497

SE 16032Dd:

Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 60697

SE 16033Aa:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 14649, 14650, 14651.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 14612, 14613, 14614, 14615, 14616, 14617, 14618, 14619, 14620, 14621, 14622, 14623, 14624, 14625, 14626, 14627, 14628, 14629, 14630, 14642

SE 16033Ba:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 43770, 43771, 43772, 43773, 57215. - **TM:** 14652. - **USNM:** 365461, 365462, 365463, 365464, 367605.
Coleura afra (Peters, 1852):
BMNH: 1907.1.1.703. - **ZMB:** 54845, 571, 67559, 67561, 67562, 85667, 85668, 85669.
Epomophorus crypturus Peters, 1852:
BMNH: 1899.8.3.1, 1899.8.3.2, 1908.4.3.8. - **ZMB:** 10018, 10019, 10021, 10078, 10080, 10081.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 14717. - **ZMB:** 10020.
Hipposideros caffer (Sundevall, 1846):
MCZ: 43774. - **TM:** 41544. - **USNM:** 365229, 365230, 365231, 365232, 365233, 365234, 365235, 365236, 365237, 365238, 365239, 365240, 365242. - **ZMB:** 364/85624, 85624.
Hipposideros ruber (Noack, 1893):
USNM: 367496, 367497.
Miniopterus natalensis (A. Smith, 1833):
USNM: 354448.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 14631, 14632, 14633, 14634, 14635, 14636, 14640, 14641, 14643, 14644, 14645, 14646, 14647, 14648. - **USNM:** 365492, 365493, 365494, 365495, 365496, 365497, 365498, 365499, 365500, 365501, 365502, 365504, 365505, 365506, 365507, 365508, 365509, 365510, 365511, 365512, 365513, 365514, 365515, 365516, 365517, 365518, 365519, 365520, 365521, 365522, 365523, 365524, 365525, 365526, 365527, 365528, 365529, 365530, 365531, 365682, 365683, 365684, 365685, 365686, 365687, 365688, 365689, 365690, 365691, 365692, 365693, 365694, 365695, 365696, 365697, 365698, 365699, 365700, 365701, 365702, 365703, 367572, 367573, 367574, 367575, 367576, 367577, 367578, 367579, 367580, 367581, 367582, 367583, 367584, 367585, 367586, 367587, 367588, 367589, 367590, 367591, 367592, 367593, 367594, 367595, 367596, 367597, 367598, 367599, 367600, 367601, 367602, 367603, 367604, 367606, 367607, 367608, 367609, 367610, 367611, 367612, 367613, 367614, 367615, 367616, 367617, 367618, 367619, 367620, 367621, 367622, 367623, 367624, 367625, 367626, 367627, 367628, 367629, 367630, 367631, 367632, 367633, 367634, 367635, 367636, 367637.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
BMNH: 1908.4.3.24.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1908.4.3.20, 1908.4.3.21, 1908.4.3.22, 1908.4.3.23, 1908.4.3.94. - **USNM:** 365136, 365137, 365138, 365139, 365140, 365141, 365142, 365143, 365144, 365145, 365146, 365147.
Nycticeinops schlieffenii (Peters, 1859):
TM: 1089, 41045.
Rhinolophus lobatus Peters, 1852:
USNM: 365180.
Rhinolophus rhodesiae Roberts, 1946:
USNM: 365179.
Rhinolophus simulator K. Andersen, 1904:
USNM: 365193.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
USNM: 365208.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1908.4.3.25. - **ZMB:** 527.

Scotophilus viridis (Peters, 1852):
BMNH: 1908.4.3.26, 1908.4.3.27, 1908.4.3.28, 1908.4.3.29.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MCZ: 43769.
Triaenops afer Peters, 1877:
USNM: 365276, 365277, 365279, 365280, 365281, 365282, 365283, 365301

SE 16033Bc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 365460.
Hipposideros caffer (Sundevall, 1846):
USNM: 365228.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 365470.
Rhinolophus lobatus Peters, 1852:
USNM: 365178.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
USNM: 365207.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 479953.
Triaenops afer Peters, 1877:
TM: 14570. - **USNM:** 365278

SE 16034Ba:

Chaerephon pumilus (Cretzschmar, 1826):
WAM: M25717.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.26144, MAM.26145, MAM.26146, MAM.26147

SE 16034Bc:

Chaerephon pumilus (Cretzschmar, 1826):
WAM: M25708, M25709, M25710, M25711, M25712.
Epomophorus crypturus Peters, 1852:
WAM: M25713.
Epomophorus wahlbergi (Sundevall, 1846):
WAM: M25715

SE 16034Bb:

Epomophorus crypturus Peters, 1852:
NMMB: 74ROM920, 74ROM925, 774ROM926.
Epomophorus labiatus (Temminck, 1837):
HZM: 37.15153.
Epomophorus wahlbergi (Sundevall, 1846):
HZM: 35.15142. - **MVZ:** 220872.
Mops (Mops) condylurus (A. Smith, 1833):
WAM: M25714, M25718, M25720.
Mops (Mops) demonstrator (Thomas, 1903):
WAM: M25719.
Neoromicia nana (Peters, 1852):
MCZ: 43847, 43848, 43849, 43850, 43851.
Rhinolophus clivosus Cretzschmar, 1828:
MVZ: 220903, 220904, 220905.
Rhinolophus lobatus Peters, 1852:
MVZ: 220892, 220893, 220894, 220895, 220896, 220897.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MCZ: 43833.
Tadarida fulminans (Thomas, 1903):
HZM: 7.15089

SE 16034Bd:

Chaerephon pumilus (Cretzschmar, 1826):
WAM: M25702, M25705, M25706, M25707, M25716. - **ZMA:** MAM.28378, MAM.28379.
Epomophorus labiatus (Temminck, 1837):
HZM: 35.14891, 36.14892.
Mops (Mops) condylurus (A. Smith, 1833):
WAM: M25703, M25704.
Neoromicia nana (Peters, 1852):
DCDH: 2347

SE 16035Aa:

Epomophorus crypturus Peters, 1852:
BMNH: 1922.12.17.3.
Epomophorus wahlbergi (Sundevall, 1846):
CM: 6375. - **NMMB:** 74ROM914, 74ROM917, 74ROM936.
Kerivoula lanosa (A. Smith, 1847):
BMNH: 1922.12.17.87.
Myotis welwitschii (Gray, 1866):
BMNH: 1922.12.17.75.
Neoromicia nana (Peters, 1852):
AMNH: 161970, 161971. - **DCDH:** 3073, 3074, 3075. - **FMNH:** 48742. - **KM:** 11728. - **KU:** 79307. - **MCZ:** 43781.
Nycteris hispida (Schreber, 1774):
FMNH: 8244.
Pipistrellus hesperidus (Temminck, 1840):
DCDH: 3070, 3071, 3072.
Pipistrellus rueppellii (Fischer, 1829):
DCDH: 3087.
Rhinolophus blasii Peters, 1867:
MCZ: 43782.
Tadarida ventralis (Heuglin, 1861):
NMMB: 267

SE 16035Ac:

Epomophorus crypturus Peters, 1852:
ZMA: MAM.26101.
Scotophilus nigrita (Schreber, 1774):
BMNH: 1922.12.17.55a

SE 16035Ca:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 48769, 48770, 48771. - **KU:** 79320, 79321, 79322.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1922.12.17.2. - **KU:** 79277.
Eptesicus hottentotus (A. Smith, 1833):
BMNH: 1922.12.17.39.
Hipposideros caffer (Sundevall, 1846):
FMNH: 48704, 48705. - **KU:** 79289, 79290.
Mops (Mops) condylurus (A. Smith, 1833):
KU: 79318.
Mops (Mops) midas (Sundevall, 1843):
BMNH: 1922.12.17.89, 1922.12.17.90, 1922.12.17.91, 1922.12.17.92. - **KU:** 79319.
Myotis bocagii bocagii (Peters, 1870):
KU: 79303.
Myotis welwitschii (Gray, 1866):
BMNH: 1922.12.17.76.
Neoromicia nana (Peters, 1852):
FMNH: 48740, 48741. - **KU:** 79308, 79309, 79310.
Neoromicia rendalli (Thomas, 1889):
DCDH: 3106, 3119, 3121. - **KU:** 79311.
Nycteris macrotis Dobson, 1876:
BMNH: 1922.24.252, 1922.4.25.3.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1922.12.17.29, 1922.12.17.30, 1922.12.17.31, 1922.12.17.32, 1922.12.17.33, 1922.12.17.34, 1922.12.17.35, 1922.12.17.36. - **KU:** 79280, 79281.
Nycteris woodi K. Andersen, 1914:
BMNH: 1922.12.17.37, 1922.12.17.38. - **KU:** 79282.
Nycticeinops schlieffenii (Peters, 1859):
KU: 79316, 79317.
Rhinolophus fumigatus Rüppell, 1842:
BMNH: 1922.12.17.10. - **ZMA:** MAM.22090.
Rhinolophus lobatus Peters, 1852:
KU: 79286, 79287.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
BMNH: 1922.12.17.4.
Scotoecus albofuscus (Thomas, 1890):
BMNH: 1917.2.1.1, 1917.2.1.2, 1917.2.11, 1922.12.17.67, 1922.12.17.67_1, 1922.12.17.67_2, 1922.12.17.67_3, 1922.12.17.69.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1922.12.17.62, 1922.12.17.63, 1922.12.17.65, 1922.12.17.66. - **KU:** 79312, 79313.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1922.12.17.56, 1922.12.17.57, 1922.12.17.60, 1922.12.17.61.

Scotophilus nigrita (Schreber, 1774):
BMNH: 1922.12.17.53, 1922.12.17.54, 1922.12.17.55.
Scotophilus viridis (Peters, 1852):
KU: 79314, 79315.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
KU: 79279

SE 16035Ab:

Nycteris macrotis Dobson, 1876:
BMNH: 1914.6.13.1

SE 16035Cd:

Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.10947.
Hipposideros caffer (Sundevall, 1846):
KM: 1842.
Mops (Mops) condylurus (A. Smith, 1833):
KU: 121797, 121798, 121799, 121800, 121801, 121802, 121803, 121804, 121805, 121806, 121807, 121808, 121809, 121810, 121811, 121812, 121813, 121814, 121815, 121816, 121817, 121818, 121819. - **ROM:** 57555.
Neoromicia nana (Peters, 1852):
KM: 1904.
Pipistrellus rusticus (Tomes, 1861):
KM: 1903.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1910.3.26.1

SE 16035Ba:

Hipposideros ruber (Noack, 1893):
NMP: mw155.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NMP: mw134

SE 16035Da:

Miniopterus inflatus Thomas, 1903:
DNSM: 8779.
Myotis tricolor (Temminck, 1832):
DNSM: 8778, 8780

SE 16036Ad:

Hipposideros ruber (Noack, 1893):
DNSM: 11481.
Laephotis botswanae Setzer, 1971:
MHNG: 1971.009.
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013:
DNSM: 10836.
Myotis tricolor (Temminck, 1832):
DNSM: 10843, 10854.
Rhinolophus blasii Peters, 1867:
DNSM: 10834, 12953.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 10838, 11483, 11484, 12654.
Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 10842

SE 16044Cb:

Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007:
AMNH: 277725. - **SMG:** 14817, 14819, 14820, 14823, 14824, 14825, 14826, 14827, 14828, 14829, 14830, 14832, 14833, 14834, 14835, 14836, 14837, 14838

SE 16045Ab:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 74194

SE 16045Ad:

Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012:
UADBA: 43497.

Eidolon dupreanum (Schegel, 1867):
AMNH: 10051. - **MNHN:** ZM-MO-1932-3394.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 175776, 175777, 175778, 178558. - **MNHN:** ZM-MO-1985-490, ZM-MO-2001-501.
Miniopterus Bonaparte, 1837:
FMNH: 175843, 175845.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 175836, 175837, 175842, 175848, 175857, 175868, 175876, 175888, 178566, 178571, 178572, 178573, 74190.
Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009:
FMNH: 175840, 175846, 175847, 175850, 175851, 175852, 175856, 175864, 175865, 175867, 175869, 175870, 175871, 175872, 175873, 175874, 175875, 175877, 175879, 175880, 175881, 175882, 175883, 175884, 175885.
Miniopterus gleni Peterson, Eger and Mitchell, 1995:
FMNH: 175832.
Miniopterus griveaudi Harrison, 1959:
FMNH: 175839, 175844, 175886, 175887, 178567, 178568, 178569, 178570, 74188, 74189.
Miniopterus manavi Thomas, 1906:
FMNH: 74191, 74192, 74193. - **MNHN:** ZM-MO-1984-1079, ZM-MO-1984-1087.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1947-300 A, ZM-MO-1947-300 B, ZM-MO-1947-300 C, ZM-MO-1947-300 D, ZM-MO-1947-300 E, ZM-MO-1947-300 F, ZM-MO-1947-300 G, ZM-MO-1947-300 H, ZM-MO-1947-300 I, ZM-MO-1947-300 J, ZM-MO-1947-300 K, ZM-MO-1947-300 L, ZM-MO-1947-300 M, ZM-MO-1947-300 N, ZM-MO-1947-300 O, ZM-MO-1962-2643, ZM-MO-1984-1081, ZM-MO-1984-1082, ZM-MO-1984-1083, ZM-MO-1984-1084, ZM-MO-1984-1085, ZM-MO-1984-1086.
Myotis goudoti (A. Smith, 1834):
FMNH: 175799, 175800, 175801, 175803, 175804, 175805, 175806, 175807, 175808, 175809, 178574, 178575, 178577, 178578, 178579, 178580, 178581, 178582, 178583, 178584. - **MNHN:** ZM-MO-1985-425, ZM-MO-1985-426, ZM-MO-1985-427, ZM-MO-1985-428, ZM-MO-1985-429, ZM-MO-1985-430, ZM-MO-1985-431, ZM-MO-1985-432, ZM-MO-1985-433.
Otomops madagascariensis Dorst, 1953:
MNHN: ZM-MO-1953-1590.
Paratriaenops furculus (Trouessart, 1907):
FMNH: 63751, 63752. - **MNHN:** ZM-MO-1947-211 A, ZM-MO-1947-211 B, ZM-MO-1947-211 C.
Rousettus madagascariensis G. Grandidier, 1929:
MNHN: ZM-MO-1975-797.
Triaenops menamena Goodman and Ranivo, 2009:
FMNH: 178563

SE 16046Ca:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 184922, 184923, 184924, 184925, 184926

SE 16046Bb:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 184975, 184976, 184977, 184978, 184979.
Mops (Mops) midas (Sundevall, 1843):
FMNH: 185187.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
ZMB: 67260.
Scotophilus Leach, 1821:
MNHN: ZM-MO-1985-435, ZM-MO-1985-436

SE 16046Bd:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 184955, 184956, 184957, 184958, 184959, 184973, 184974.
Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1984-1196, ZM-MO-1984-1260, ZM-MO-1984-1271, ZM-MO-1984-1272, ZM-MO-1991-1866, ZM-MO-1991-1867, ZM-MO-1991-1868, ZM-MO-1991-1869, ZM-MO-1991-1870, ZM-MO-1991-1871, ZM-MO-1991-1872.
Eidolon dupreanum (Schegel, 1867):
MNHN: ZM-MO-1975-816.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 177299, 177300, 177301, 177302. - **USNM:** 341710.
Mops Lesson, 1842:
MNHN: ZM-MO-1984-1270.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1991-1854, ZM-MO-1991-1855, ZM-MO-1991-1856, ZM-MO-1991-1857, ZM-MO-1991-1858, ZM-MO-1991-1859, ZM-MO-1991-1860. - **USNM:** 341744, 341745, 341746, 341747, 341748, 341749, 341750, 341751, 341752, 341753, 341754, 341755, 341756, 341757, 341758, 341759, 341760, 341761, 341762, 341763, 341764, 341765, 341766, 341767, 341768, 341769, 341770, 341771, 341772, 341773, 341774, 341775, 341776, 341777, 341778.
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007:
FMNH: 177327.
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006:
UADBA: 46965.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1984-1261, ZM-MO-1984-1262, ZM-MO-1984-1263

SE 16046Dd:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 184915, 184916, 184917, 184919, 184920.
Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 46091, 46092. - **MNHN:** ZM-MO-1900-539 A, ZM-MO-1900-539 B, ZM-MO-1900-539 C, ZM-MO-1900-539 D, ZM-MO-1900-539 E, ZM-MO-1900-539 F.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
USNM: 328728.
Pteropus Erxleben, 1777:
USNM: 328723, 328724.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
USNM: 328715, 328716, 328717, 328718, 328719, 328720, 328721, 328722

SE 16047Aa:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 45452.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
MCZ: 45453

SE 16047Ac:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 184950, 184951, 184952, 184953, 184954.
Mops (Mops) leucostigma (G.M. Allen, 1918):
FMNH: 184701

SE 16047Dc:

Triaenops menamena Goodman and Ranivo, 2009:
MNHN: ZM-MO-1996-352, ZM-MO-1996-353

SE 16048Bd:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
UADBA: 11284.
Myotis goudoti (A. Smith, 1834):
UADBA: VS-465

SE 17013Aa:

Epomophorus Bennett, 1836:
TM: 43609, 43610, 43611.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 16336, 16337

SE 17013Ac:

Epomophorus angolensis Gray, 1870:
LACM: 58934.
Hipposideros caffer (Sundevall, 1846):
LACM: 58986.
Miniopterus natalensis (A. Smith, 1833):
LACM: 58993.
Neoromicia capensis (A. Smith, 1829):
LACM: 59104.
Rhinolophus denti Thomas, 1904:
LACM: 58982.
Rhinolophus fumigatus Rüppell, 1842:
LACM: 58983.
Scotophilus leucogaster (Cretzschmar, 1826):
LACM: 59084

SE 17013Dc:

Scotophilus dinganii (A. Smith, 1833):
BMNH: 1928.9.11.38

SE 17013Bd:

Chaerephon chapini J.A. Allen, 1917:
IICA: 6005.

Epomophorus angolensis Gray, 1870:
BMNH: 1928.9.11.61, 1929.12.61. - **SMW:** 6846, M-6847. - **TM:** 11174.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 16334.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1928.9.11.26. - **FMNH:** 48758, 48759. - **KM:** 1683, 1684, 1685.
Nycticeinops schlieffenii (Peters, 1859):
KM: 1934, 1937.
Pipistrellus rueppellii (Fischer, 1829):
SMW: 2701

SE 17013Db:

Nycticeinops schlieffenii (Peters, 1859):
FMNH: 48721

SE 17014Ac:

Epomophorus angolensis Gray, 1870:
SMW: M-2717

SE 17014Ad:

Epomophorus angolensis Gray, 1870:
BMNH: 1925.12.4.2. - **KM:** 1563. - **SMW:** 2717

SE 17014Ba:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
IICA: 7899

SE 17014Da:

Chaerephon chapini J.A. Allen, 1917:
BMNH: 1925.12.4.24.
Epomophorus angolensis Gray, 1870:
BMNH: 1925.12.4.4, 1925.12.4.5, 1925.12.4.6, CN1359, CN1405, CN1427, CN1428, CN1429, CN1430, CN1431, CN1432, CN1433. - **KM:** 1558, 1559, 1561, 1562.
Neoromicia nana (Peters, 1852):
BMNH: 1925.12.4.20.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1925.12.4.15, 1925.12.4.16, CN1398, CN1399, CN1400, CN1401, CN1402, CN1403. - **KM:** 1702, 1703, 1704, 1705. - **TM:** 35972, 35973

SE 17014Bb:

Neoromicia capensis (A. Smith, 1829):
IICA: 7942

SE 17014Bd:

Hipposideros caffer (Sundevall, 1846):
SMW: 1164.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 1172.
Rhinolophus denti Thomas, 1904:
SMW: 1165.
Rhinolophus fumigatus Rüppell, 1842:
SMW: 6764

SE 18015Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1925.12.4.10, 1925.12.4.11, 1925.12.4.12, CN1168, CN1169, CN1170, CN1434, CN1435, CN1436. - **KM:** 1699, 1700, 1701

SE 17015Cb:

Neoromicia nana (Peters, 1852):
SMW: 1126.
Scotophilus dinganii (A. Smith, 1833):
SMW: 1122, 1123, 1124, 1156

SE 17015Dc:

Chaerephon pumilus (Cretzschmar, 1826):
RMCA: a1.091-M-0001.
Hipposideros caffer (Sundevall, 1846):
RMCA: 95.093-M-0003, 95.093-M-0015, 95.093-M-0017.
Neoromicia nana (Peters, 1852):
RMCA: 95.093-M-0002.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 95.093-M-0016.
Rhinolophus Lacépède, 1799:
RMCA: 95.093-M-0014

SE 17015Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
CAS: 12524. - **MVZ:** 117122, 117123, 117124, 117125, 117126, 117127, 117128, 117129, 117130, 117131, 117132, 117133, 117134, 117135, 117136. - **TM:** 8298, 8299, 8300, 8301, 8302

SE 17015Dd:

Epomophorus angolensis Gray, 1870:
BMNH: 1925.12.4.8, 1925.12.4.9.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1925.12.4.13, 1925.12.4.14. - **KM:** 1698

SE 17016Cc:

Macronycteris vittatus (Peters, 1852):
MCZ: 34900

SE 17016Ad:

Laephotis botswanae Setzer, 1971:
NMP: pb5928

SE 18017Ba:

Pipistrellus rusticus (Tomes, 1861):
BMNH: 1907.1.1.419, 1907.1.1.420.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1907.1.1.449.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1907.1.1.463

SE 17018Ad:

Neoromicia nana (Peters, 1852):
BMNH: 1935.9.1.111

SE 17019Cc:

Pipistrellus rusticus (Tomes, 1861):
NMP: pb5149

SE 17019Dc:

Neoromicia capensis (A. Smith, 1829):
TM: 48694

SE 17020Cd:

Pipistrellus rusticus (Tomes, 1861):
BMNH: 1935.9.1.108.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1935.9.1.60. - **KM:** 2401. - **SMW:** 6822, 6823, 6824

SE 18020Ba:

Pipistrellus rusticus (Tomes, 1861):
NMP: pb5214, pb5215

SE 17022Da:

Hypsugo anchietae (Seabra, 1900):
DNSM: 14246

SE 17023Cb:

Epomophorus crypturus Peters, 1852:
CM: 40476

SE 17023Cd:

Chaerephon nigeriae Thomas, 1913:
SMW: 13605.
Epomophorus crypturus Peters, 1852:
AMNH: 146782. - **KM:** 17147. - **TM:** 12342, 12343, 12344, 12345, 17057.
Laephotis botswanae Setzer, 1971:
SMW: 13611.
Neoromicia capensis (A. Smith, 1829):
SMW: 13597.
Neoromicia zuluensis (Roberts, 1924):
SMW: 13598.
Nycteris hispida (Schreber, 1774):
KM: 17146. - **TM:** 12347.
Nycticeinops schlieffenii (Peters, 1859):
SMW: 13612

SE 18023Ab:

Kerivoula lanosa (A. Smith, 1847):
SMW: 14546.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 64085.
Neoromicia zuluensis (Roberts, 1924):
SMW: 12236

SE 17024Ac:

Epomophorus crypturus Peters, 1852:
TM: 11646.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 1670

SE 17024Cb:

Chaerephon pumilus (Cretzschmar, 1826):
SMW: 13678.
Hipposideros caffer (Sundevall, 1846):
KM: 1846.
Nycticeinops schlieffenii (Peters, 1859):
KM: 1936.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63747

SE 17024Dd:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 62720.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 64219

SE 17025Cc:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 213055, 213056, 213057, 213058, 213059, 213060, 213061. - **NHMZ:** 6920. - **ROM:** 39291, 39292, 39313, 39316, 65047, 91484, 91485, 91486, 93757, 93758, 93759, 93760, 93761, 93762, 93763, 93764. - **USNM:** 367775, 367776, 367777, 382696, 382697, 382698, 382699, 425373, 425374, 425375, 425376, 425377, 425378, 425379, 425380, 425381, 425382, 425383, 425384, 425385, 425386, 425387, 425388, 425389, 575930, 575931, 575932, 575933, 575934, 575935, 575936, 575937, 575938, 575939, 575940, 575941, 575942, 575943.
Epomophorus crypturus Peters, 1852:
NHMZ: 63726.
Epomophorus dobsonii Bocage, 1889:
NHMZ: 63732.

Hipposideros caffer (Sundevall, 1846):
MNHN: ZM-MO-1969-36, ZM-MO-1969-37. - **NHMZ:** 64283, 80264, 80265, 80266, 80267, 80268, 80269, 80270, 80271, 80272, 80273, 80274, 80275, 80276, 80277, 80278, 80279, 80280, 80281, 80282, 80283, 80284, 80285, 80286, 80287, 80288, 80289, 80290, 80291, 80292, 80293. - **ROM:** 39311, 39312, 39314, 39315, 39317, 39318, 39319, 39320, 39321. - **USNM:** 367719, 367720, 367721, 367722, 367723, 367724, 367725, 367726, 367727, 367728, 367729, 367730, 367731, 367732, 367733, 367734, 367735, 462297, 462298, 462299, 462300, 462301, 462302, 462303, 462304, 462305, 462306, 462307, 462308, 462309, 462310, 462311, 462312.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 63872. - **ROM:** 39293, 39294, 39295, 39296, 39297, 39298, 39299, 39300, 39301, 39302, 39303, 39304, 39305, 39306, 39308, 39309, 39310. - **USNM:** 367819, 367820, 367821, 367822, 367823, 367824, 367825, 367826, 367827, 367828, 367829, 367830, 367831, 367832, 367833, 367834, 367835, 367836, 367837, 367838, 367839, 367840, 367841.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 63198.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63745

SE 17025Cd:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 60683.
Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 59437.
Epomophorus crypturus Peters, 1852:
FMNH: 38493, 38494, 38495.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 60673, 60674, 60675.
Neoromicia nana (Peters, 1852):
NHMZ: 58761.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 80263.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60689.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 60676, 60679.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 60671.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 60684.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 60686.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 60651, 60656

SE 17025Dc:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 30779.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 60682.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 30775.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 60680.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 30794.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 60685.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 60663

SE 17025Dd:

Chaerephon chapini J.A. Allen, 1917:
KM: 3732.
Chaerephon leucogaster (A. Grandidier, 1869):
AMNH: 116005.
Chaerephon pumilus (Cretzschmar, 1826):
USNM: 237525.
Epomophorus crypturus Peters, 1852:
AMNH: 146784. - **KU:** 135655. - **SMF:** 19552. - **WAM:** M29073, M29074, M29075, M29076, M29077.
Hipposideros caffer (Sundevall, 1846):
MCZ: 21658. - **NHMZ:** 29675, 29676, 29677, 29678, 29679, 29680.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59237.

Mops Lesson, 1842:
USNM: 237526, 237527, 237528, 237529, 237530, 237531, 237534.
Neoromicia capensis (A. Smith, 1829):
NMZL: 2758.
Neoromicia nana (Peters, 1852):
NMP: RS992.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 59235.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 32132. - **NMZL:** 3524.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 54146, 59236.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 1834.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 60670. - **RMCA:** 88.011-M-0028. - **USNM:** 237522.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 32697. - **NMZL:** 2444, 2445, 2447, 2449, 2452, 2454, 2934, 2978.
Scotophilus leucogaster (Cretzschmar, 1826):
NMZL: 2442, 2443, 2446, 2448, 2450, 2451, 2453, 2455, 2456

SE 17026Cc:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 29732.
Chaerephon bivittatus (Heuglin, 1861):
NHMZ: 29729.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 29674.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 29682.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 30556.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 30555.
Tadarida fulminans (Thomas, 1903):
NHMZ: 29727

SE 18026Aa:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 29684.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 30559.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 30558

SE 17026Ab:

Glauconycteris variegata (Tomes, 1861):
NMZL: 2630.
Nycteris macrotis Dobson, 1876:
NHMZ: 31743

SE 18026Ba:

Nycteris macrotis Dobson, 1876:
NHMZ: 32281.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 33887.
Rhinolophus blasii Peters, 1867:
NHMZ: 32282.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 32283.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 32902

SE 17027Bc:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 57423, 57424.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 57445.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 57448.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57411.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 57452.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 57441.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 57450.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 57422.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 51433, 57432.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 57430.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 57428, 57607

SE 17027Da:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 64776

SE 17027Dc:

Macronycteris vittatus (Peters, 1852):
NHMZ: 33610, 33611.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 64827.
Neoromicia nana (Peters, 1852):
NHMZ: 64797.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 64798.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 64795.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 64785

SE 17027Bb:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58704.
Rhinolophus lobatus Peters, 1852:
NHMZ: 60771

SE 17027Db:

Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 57442.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 51519, 51520, 58518, 58521, 58522, 58526.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1983.200.
Neoromicia nana (Peters, 1852):
NHMZ: 64800.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
BMNH: 1983.216.
Neoromicia zuluensis (Roberts, 1924):
BMNH: 1983.212, 1983.215.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57064.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 51451.
Scotophilus viridis (Peters, 1852):
NHMZ: 30774.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 64809

SE 17027Dd:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 33727

SE 17028Cb:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 64815.
Chaerephon bivittatus (Heuglin, 1861):
NHMZ: 64819.
Chaerephon chapini J.A. Allen, 1917:
NHMZ: 64821.
Chaerephon nigeriae Thomas, 1913:
NHMZ: 64822.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 64777, 64778, 64779, 64780. - **TM:** 34927, 34928, 34929, 34930, 34931, 34932, 34933, 34934, 34935, 34936, 34937, 34938, 34939, 34940, 34941, 34942, 34943, 34944, 34945, 34946.
Macronycteris vittatus (Peters, 1852):
NHMZ: 64775.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 64825.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 34908.
Rhinolophus lobatus Peters, 1852:
NHMZ: 59661. - **TM:** 34909, 34910, 34911, 34912, 34913, 34914, 34915, 34916, 34917, 34918, 34919, 34920, 34921, 34922, 34923, 34924, 34925, 34926.
Rhinolophus rhodesiae Roberts, 1946:
NHMZ: 64814.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 64788

SE 17028Cd:

Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 58439.
Rhinolophus lobatus Peters, 1852:
ROM: 87407

SE 17029Aa:

Macronycteris vittatus (Peters, 1852):
NHMZ: 31141.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 31144.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 31133.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 31139.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 31135.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 31136, 31138

SE 17029Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57259

SE 17029Ab:

Rhinolophus simulator K. Andersen, 1904:
NHMZ: 31137.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 31132

SE 18029Ab:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 30569.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 3056B

SE 17029Dd:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58535, 58598, 58599, 58600, 58670, 58671, 58672.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 58888, 58889.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57243.
Rhinolophus rhodesiae Roberts, 1946:
NHMZ: 60562, 60563, 60564, 60565

SE 17030Aa:

Cloeotis percivali Thomas, 1901:
NHMZ: 31143.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 31142.
Rhinolophus rhodesiae Roberts, 1946:
NHMZ: 31140

SE 17030Ac:

Macronycteris vittatus (Peters, 1852):
DNSM: 3936, 3937. - **NHMZ:** 65157, 67015.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 218972, 218973, 218974, 218975, 218976, 218977. - **CAS:** 12504, 12505, 12506, 12507, 12508, 12509. - **NHMZ:** 59602.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1962.2093.
Pipistrellus rusticus (Tomes, 1861):
MNHN: ZM-MO-1990-931.
Rhinolophus blasii Peters, 1867:
HZM: 9.3926. - **NHMZ:** 62077, 62079.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58420.
Rhinolophus rhodesiae Roberts, 1946:
FMNH: 95150, 95151. - **HZM:** 3.3905, 4.3906, 5.3918, 6.3919. - **NHMZ:** 60556, 62051, 62053. - **USNM:** 368608.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 28790. - **USNM:** 368607.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 58248.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 67001.
Tadarida fulminans (Thomas, 1903):
HZM: 4.3898

SE 17030Cc:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58859.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 213050. - **NHMZ:** 58963

SE 17030Ad:

Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59108

SE 17030Cd:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 3432

SE 18030Ab:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56945

SE 18030Ba:

Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59164

SE 17030Bb:

Epomophorus crypturus Peters, 1852:
TM: 41876.
Macronycteris vittatus (Peters, 1852):
TM: 41875.
Neoromicia nana (Peters, 1852):
NHMZ: 58717, 58718, 58719.

Rhinolophus darlingi K. Andersen, 1905:
BMNH: 1904.12.1.3.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 60694.
Rhinolophus lobatus Peters, 1852:
TM: 41873.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
FMNH: 95148, 95149. - **NHMZ:** 25840. - **USNM:** 368606

SE 17030Bd:

Epomophorus crypturus Peters, 1852:
CM: 40973.
Neoromicia capensis (A. Smith, 1829):
CM: 41015.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57163.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
BMNH: 1904.12.12.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 33598

SE 17030Db:

Epomophorus crypturus Peters, 1852:
USNM: 425265, 425266.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 213046.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 425282.
Rhinolophus darlingi K. Andersen, 1905:
BMNH: 1895.8.27.1.
Tadarida fulminans (Thomas, 1903):
NHMZ: 59923

SE 17030Dd:

Chaerephon nigeriae Thomas, 1913:
NHMZ: 59898.
Cloeotis percivali Thomas, 1901:
NHMZ: 58474, 58475, 58492, 88474.
Epomophorus crypturus Peters, 1852:
MNHN: ZM-MO-1969-35. - **ROM:** 64517-a.
Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 80194.
Glauconycteris variegata (Tomes, 1861):
NHMZ: 59227.
Macronycteris vittatus (Peters, 1852):
NHMZ: 65160.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59611, 63082. - **ROM:** 64501, 64502, 64504, 64505, 64506, 64507, 64508, 64509, 64512, 64525, 64528, 64529, 64530, 64531, 64532, 64533, 64534, 64535, 64536, 64537, 64538, 64539, 64540, 64541, 64542, 64543, 64544, 64545, 64546, 64547.
Myotis bocagii (Peters, 1870):
NHMZ: 59228.
Neoromicia capensis (A. Smith, 1829):
HZM: 42.6146. - **NHMZ:** 58880, 80192. - **ROM:** 64745.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57136, 65204, 65205. - **ROM:** 64499, 64500, 64523, 64524, 64526, 64527, 64548, 64549, 64550, 64551, 64552.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 58891.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 59317, 60461.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 58335, 58338. - **ROM:** 64515.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58389, 58407. - **ROM:** 64489, 64490, 64491.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 62029, 62058, 62072.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 58076, 58282. - **ROM:** 64492, 64493, 64494, 64511, 64513, 64514, 64516, 64743.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 213052. - **NHMZ:** 59163. - **USNM:** 543073.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 59979.

Tadarida aegyptiaca bocagei (Seabra, 1900):
ROM: 64765, 64766, 64767, 64768, 64769, 64770, 64771, 64772, 64773, 64774, 64775, 64776, 64777, 64778

SE 17031Aa:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58886

SE 17031Ac:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56942, 56943

SE 17031Ca:

Eidolon helvum (Kerr, 1792):
NHMZ: 59728, 59731.
Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 58962.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 30524, 30525, 30526, 30527, 30528, 30529, 58556. - **ROM:** 64457.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 58716.
Myotis welwitschii (Gray, 1866):
HZM: 3.4131.
Neoromicia capensis (A. Smith, 1829):
HZM: 27.3924. - **NHMZ:** 32784, 58818, 58819, 58822, 58826, 58827, 58828, 58855, 58915.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1895.7.1.12, 1895.7.1.13, 1895.7.1.14, 1895.7.1.17, 1902.2.7.13, 1902.2.7.14.
Nycteris woodi K. Andersen, 1914:
BMNH: 1904.12.1.6.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 31684, 58179. - **ROM:** 64434, 64440, 64441, 64442, 64443, 64446, 64447, 64453, 64454, 64455, 64456, 64458, 64459, 64460, 64461, 64462, 64463, 64464, 64465, 64468, 64469, 64470, 64471, 64472, 64473, 64474, 64477, 64479, 64480, 64483, 64484, 64485, 64486, 64487.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 31735, 58181. - **ROM:** 64433, 64478.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57588, 57604. - **ROM:** 64435, 64436, 64437, 64438, 64439, 64444, 64445, 64448, 64449, 64450, 64451, 64452, 64466, 64467, 64475, 64481, 64482, 64488.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59009.
Tadarida lobata (Thomas, 1891):
NHMZ: 59926

SE 17031Cc:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 60025.
Chaerephon bivittatus (Heuglin, 1861):
NHMZ: 59933.
Eidolon helvum (Kerr, 1792):
NHMZ: 59727.
Epomophorus crypturus Peters, 1852:
AMNH: 213041, 213042, 213043, 213044, 213045. - **FMNH:** 95143, 95144. - **HZM:** 16.3912, 17.3928, 19.3938, 23.3969, 26.3972. - **MNHN:** ZM-MO-1969-34. - **ROM:** 33777, 33778, 51064, 51065, 6457. - **USNM:** 368602, 368603, 368604, 382642, 425267.
Kerivoula argentata Tomes, 1861:
NHMZ: 60533.
Macronycteris vittatus (Peters, 1852):
NHMZ: 33407, 65151, 65154, 65158.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59535, 59565.
Myotis welwitschii (Gray, 1866):
HZM: 4.4133. - **NHMZ:** 57879, 57881, 57883, 80464.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 30643, 58847, 58849, 58856, 58857, 58877, 58887, 80190. - **SAMC:** 3006. - **TM:** 34844. - **USNM:** 368610.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57112.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 60468.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 60462, 60465.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 58337, 80196.

Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58390, 62030.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57528, 57603, 58442. - **SAMC:** 3004.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 213051, 213053, 245166, 245167. - **NHMZ:** 31693, 32706, 58965, 58967, 59029. - **USNM:** 368612.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 82293.
Tadarida fulminans (Thomas, 1903):
HZM: 3.3881. - **NHMZ:** 30197, 30198, 30199, 30200, 30201, 30202, 30203, 30204, 30205, 30212, 30216, 30217, 30470, 30471, 30472, 59916, 62863, 82246, 82249, 82256, 82257, 82258, 82265.
Tadarida lobata (Thomas, 1891):
HZM: 1.4244.
Tadarida ventralis (Heuglin, 1861):
NHMZ: 59924.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56933. - **SAMC:** 13752

SE 17031Ad:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 30220. - **ROM:** 64570. - **TM:** 9977, 9981, 9982.
Chaerephon bivittatus (Heuglin, 1861):
NHMZ: 59904.
Neoromicia capensis (A. Smith, 1829):
TM: 34843, 34845.
Pipistrellus hesperidus (Temminck, 1840):
TM: 34839.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58419.
Scotophilus dinganii (A. Smith, 1833):
TM: 34840, 34841, 34842.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 313S3. - **TM:** 34838.
Tadarida fulminans (Thomas, 1903):
DNSM: 3688, 3689. - **NHMZ:** 30100, 30114, 30188, 30189, 30190, 30191, 30193, 30194, 30195, 30196, 30218, 30219, 30497, 30498, 30499, 59927, 59928, 59929, 59930, 82251, 82252, 82253, 82254, 82255, 82259, 82260, 82261, 82262, 82263, 82264. - **ROM:** 64580, 64581, 64584, 64585, 64586, 64589. - **TM:** 34819, 34820, 34821, 34822, 34823, 34824, 34825, 34826, 34827, 34828, 34829, 34830, 34831, 34832, 34833, 34834, 34835, 34836, 34837, 9976, 9978, 9979

SE 17031Cd:

Eidolon helvum (Kerr, 1792):
NHMZ: 59732, 59739, 62474.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57561

SE 17031Bc:

Epomophorus wahlbergi (Sundevall, 1846):
NHMZ: 32404.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 32524.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 32522.
Myotis bocagii (Peters, 1870):
NHMZ: 32526.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 32491.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 32517.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 32504.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 32418

SE 17031Da:

Chaerephon ansorgei (Thomas, 1913):
ROM: 64557, 64558, 64561, 64562, 64577, 64578, 64579, 64588, 64590, 64591, 64592, 64593, 64594, 64595, 64596, 64597, 64598, 64599, 64600, 64601, 64602, 64603, 64604, 64605, 64606, 64607, 64608, 64609, 64610, 64611, 64612, 64613, 64614, 64615, 64616, 64617, 64618, 64619, 64620, 64621, 64622, 64623.
Eptesicus hottentotus (A. Smith, 1833):
ROM: 64583, 64583-b.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57056.
Rhinolophus blasii Peters, 1867:
ROM: 64556, 64582.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 64559.
Tadarida aegyptiaca bocagei (Seabra, 1900):
ROM: 64568, 64569, 64587

SE 18031Ba:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58924.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 63212.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 58966, 59106

SE 17031Db:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 32399.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 32484.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56937

SE 17031Dd:

Myotis tricolor (Temminck, 1832):
NHMZ: 31367

SE 17032Aa:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 32596, 32613.
Epomophorus crypturus Peters, 1852:
NHMZ: 32409.
Epomophorus wahlbergi (Sundevall, 1846):
NHMZ: 32413.
Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 32571, 32572, 32573, 32574, 32575, 32576, 32577, 32578, 32579, 32580.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 32592, 32593, 32594.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 32617.
Macronycteris vittatus (Peters, 1852):
NHMZ: 32396, 32397, 32398.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 32523.
Myotis bocagii (Peters, 1870):
NHMZ: 32533.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 32497, 32501.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 32499.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 32525.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 32507.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 32565.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 32595.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 32538.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 32403.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 32540.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 32419, 32424.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 32606.

Tadarida fulminans (Thomas, 1903):
NHMZ: 32621, 84237, 84238, 84249, 84250.
Tadarida lobata (Thomas, 1891):
NHMZ: 32587, 32588, 32589, 32590, 32591, 84251, 84252, 84267

SE 17032Bb:

Epomophorus crypturus Peters, 1852:
NHMZ: 32407.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 32492.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 32494.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 32493.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 32506.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 32537.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 32402.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 32539

SE 17032Bd:

Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60498

SE 17033Ba:

Epomophorus wahlbergi (Sundevall, 1846):
USNM: 367453, 367455.
Hipposideros caffer (Sundevall, 1846):
USNM: 367535.
Neoromicia capensis (A. Smith, 1829):
USNM: 365410.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
USNM: 365408, 365409.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 365406, 365407.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
USNM: 365227.
Scotophilus viridis (Peters, 1852):
TM: 1093, 14703

SE 17035Aa:

Epomophorus labiatus (Temminck, 1837):
MNHN: ZM-MO-1999-124B

SE 17035Cd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 8667.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 8487

SE 17036Db:

Kerivoula lanosa (A. Smith, 1847):
TM: 1099

SE 17036Dd:

Nycteris hispida (Schreber, 1774):
ZMH: 7A.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1858.6.18.15, 1907.1.1.337. - **RMNH:** MAM.J1888-171b. - **ZMB:** 392, 3954, 562, 85647, 85666

SE 17044Ac:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 209236. - **UADBA:** 48158

SE 17044Cc:

Miniopterus manavi Thomas, 1906:
MCZ: 45997, 45998

SE 17046Ac:

Miniopterus Bonaparte, 1837:
FMNH: 194553.
Myotis goudoti (A. Smith, 1834):
FMNH: 194552

SE 17046Bb:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 184896, 184897, 184898, 184899, 184900, 184901, 184902

SE 17048Cd:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 184651, 184652, 184653, 184654, 184656, 184657, 184658, 184659, 184660.
Mops (Mops) leucostigma (G.M. Allen, 1918):
MCZ: 45360, 45361, 45362, 45363, 45364, 45365, 45366, 45367, 45368, 45369, 45370, 45371, 45372, 45373, 45374, 45375, 45376, 45377, 45378, 45379, 45380, 45381, 45382, 45383, 45644, 45645, 45646

SE 17048Bc:

Mops (Mops) leucostigma (G.M. Allen, 1918):
ZMA: MAM.05657.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
ZMA: MAM.02933

SE 17048Da:

Mops (Mops) condylurus (A. Smith, 1833):
USNM: 328738, 328739, 328740, 328741, 328742, 328743, 328744, 328745, 328746, 328747, 328748, 328749, 328750, 328751, 328752, 328753, 328754, 328755, 328756, 328757, 328758, 328759, 328760, 328761, 328762, 328763, 328764, 328765, 328766, 328767, 328768, 328769, 328770

SE 17049Ac:

Miniopterus Bonaparte, 1837:
ZMB: 54486, 54487, 54488, 54489, 54490, 54491, 54492, 54493, 54969, 54970, 54971, 54972, 54973, 54974, 54975, 54976, 54977, 54978, 54979, 54980, 54981

SE 17049Ca:

Neoromicia humbloti (A. Milne-Edwards, 1881):
MNHN: ZM-MO-1986-1074, ZM-MO-1986-1075, ZM-MO-1986-1076, ZM-MO-1986-1077, ZM-MO-1986-1078, ZM-MO-1986-1079, ZM-MO-1986-1080, ZM-MO-1986-1081, ZM-MO-1986-1082

SE 17049Ad:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 179200, 179201, 179202

SE 17049Da:

Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
ROM: 51108, 51109, 51110, 51111, 51112, 51113

SE 18012Ba:

Cistugo seabrae Thomas, 1912:
LACM: 59088

SE 19013Aa:

Hipposideros caffer (Sundevall, 1846):
FMNH: 84184, 84185, 84186.
Macronycteris vittatus (Peters, 1852):
FMNH: 84187.
Neoromicia capensis (A. Smith, 1829):
FMNH: 84190, 84191, 84192, 84193, 84194, 84195, 84196, 84197.

Rhinolophus fumigatus Rüppell, 1842:
FMNH: 84188, 84189.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 84181, 84182, 84183

SE 18013Ba:

Nycticeinops schlieffenii (Peters, 1859):
KM: 1927

SE 18013Bc:

Hipposideros caffer (Sundevall, 1846):
DNSM: 25. - **FMNH:** 48709.
Nycteris G. Cuvier and E. Geoffroy, 1795:
TM: 42500.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 1682.
Nycticeinops schlieffenii (Peters, 1859):
FMNH: 48715, 48716

SE 18013Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 2688.
Nycticeinops schlieffenii (Peters, 1859):
FMNH: 48717, 48718, 48719, 48720. - **KM:** 1916.
Rhinolophus fumigatus Rüppell, 1842:
TM: 10979

SE 18013Bd:

Chaerephon nigeriae Thomas, 1913:
LACM: 56351.
Nycticeinops schlieffenii (Peters, 1859):
TM: 11255

SE 18013Db:

Hipposideros caffer (Sundevall, 1846):
FMNH: 48706, 48707, 48708. - **KM:** 1872. - **ZMB:** 42758.
Neoromicia zuluensis (Roberts, 1924):
KM: 2150.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1928.9.11.27, CN3566.
Nycticeinops schlieffenii (Peters, 1859):
KM: 1932

SE 18014Ca:

Miniopterus natalensis (A. Smith, 1833):
BMNH: 1928.9.11.56, 1928.9.11.57, 1928.9.11.58, 1928.9.11.59. - **KM:** 2236.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1928.9.11.23, 1928.9.11.28, 1928.9.11.29, 1928.9.11.30, 1928.9.11.31, 1928.9.11.32, 1928.9.11.34, 1928.9.11.35, 1928.9.11.36, 1928.9.11.37, CN3069, CN3070, CN3098, CN3105, CN3143, CN3167, CN3211, CN3249, CN3273, CN3275. - **DNSM:** 16, 17. - **FMNH:** 48753, 48754, 48755, 48756, 48757. - **KM:** 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1695, 1697, 20183. - **MCZ:** 37052, 37054, 37055.
Nycticeinops schlieffenii (Peters, 1859):
KM: 1925

SE 18016Bc:

Neoromicia nana (Peters, 1852):
NMP: pb5909

SE 18016Db:

Neoromicia capensis (A. Smith, 1829):
BMNH: CN1083, CN1084, CN1097, CN1098

SE 18016Dd:

Hipposideros caffer (Sundevall, 1846):
SMW: 8084.

Macronycteris vittatus (Peters, 1852):
TM: 2435, 2436.
Rhinolophus fumigatus Rüppell, 1842:
SMW: 8108.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
BMNH: CN1542

SE 18019Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 13703

SE 18019Ad:

Glauconycteris variegata (Tomes, 1861):
SMW: 8162

SE 18019Da:

Miniopterus natalensis (A. Smith, 1833):
KM: 2243.
Neoromicia capensis (A. Smith, 1829):
KM: 2168.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 304843.
Pipistrellus rusticus (Tomes, 1861):
KM: 1896

SE 18019Dc:

Neoromicia capensis (A. Smith, 1829):
SMF: 26986.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1935.9.1.64. - **SMW:** 6799, 6800, 6801, 6802

SE 18020Ab:

Glauconycteris variegata (Tomes, 1861):
KM: 1946.
Neoromicia capensis (A. Smith, 1829):
FMNH: 48731, 48732, 48733, 48734. - **KM:** 2170, 2171, 2173, 2174, 2175, 2177, 2178, 2179.
Neoromicia nana (Peters, 1852):
KM: 1902.
Neoromicia zuluensis (Roberts, 1924):
KM: 1994. - **TM:** 8083.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1935.9.1.61, 1935.9.1.62.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1935.9.1.49, 1935.9.1.50, 1935.9.1.51, 1935.9.1.52, 1935.9.1.53, 1935.9.1.55, 1935.9.1.58. - **FMNH:** 48736. - **KM:** 2365

SE 18020Bb:

Laephotis botswanae Setzer, 1971:
SMW: 10678.
Neoromicia capensis (A. Smith, 1829):
SMW: 10617.
Scotophilus leucogaster (Cretzschmar, 1826):
SMW: 10704. - **USNM:** 448337, 448338

SE 18020Bd:

Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 448339

SE 18020Db:

Chaerephon nigeriae Thomas, 1913:
LACM: 58955.
Neoromicia capensis (A. Smith, 1829):
LACM: 59099.
Scotophilus leucogaster (Cretzschmar, 1826):
LACM: 59018

SE 18021Ca:

Glauconycteris variegata (Tomes, 1861):
NHMZ: 64053.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 63996.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 425350.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 64197. - **USNM:** 425351.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 63263. - **USNM:** 425356

SE 18021Ab:

Hipposideros caffer (Sundevall, 1846):
SMW: 6719.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 6695.
Pipistrellus rusticus (Tomes, 1861):
NMP: pb5323, pb5324

SE 18021Cb:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 425372.
Laephotis botswanae Setzer, 1971:
USNM: 425349.
Neoromicia capensis (A. Smith, 1829):
USNM: 425327, 425331, 425332, 425333.
Neoromicia nana (Peters, 1852):
USNM: 425348.
Scotophilus dinganii (A. Smith, 1833):
USNM: 425352, 425353, 425354, 425355, 479512, 479513, 479514, 479515, 479516, 479517, 479518, 479519, 479520, 479521.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 425357, 425358, 425359, 425360, 425361, 425362, 425363, 425364, 425365, 425366.
Tadarida aegyptiaca bocagei (Seabra, 1900):
USNM: 425390

SE 18021Cd:

Macronycteris vittatus (Peters, 1852):
TM: 14755

SE 18021Ba:

Chaerephon nigeriae Thomas, 1913:
SMW: 12620.
Chaerephon pumilus (Cretzschmar, 1826):
SMW: 13543.
Neoromicia capensis (A. Smith, 1829):
KM: 2164.
Neoromicia zuluensis (Roberts, 1924):
KM: 1996.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 6508.
Nycticeinops schlieffenii (Peters, 1859):
KM: 1935.
Scotophilus Leach, 1821:
SMW: 9892

SE 18021Dc:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 62734.
Rhinolophus denti Thomas, 1904:
NHMZ: 64261.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 65194. - **USNM:** 479538

SE 18021Bb:

Kerivoula lanosa (A. Smith, 1847):
NHMZ: 63282.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63377

SE 18021Bd:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 217112, 217113, 217114, 217115, 217116, 217117, 217118, 217119, 217120, 217121, 217122, 217123, 217124, 217125, 217126, 217127, 217128, 217129.
Epomophorus crypturus Peters, 1852:
AMNH: 168102, 217105, 217106, 217107, 217108, 217109, 217110, 217111. - **HZM:** 27.4238. - **USNM:** 425248, 425249, 425250, 425251, 425252, 425253, 425254, 425257, 425258, 425259, 425260, 425261, 425262, 425263, 478517, 478518, 478519, 478520, 478521, 478522, 478523, 478524.
Kerivoula lanosa (A. Smith, 1847):
USNM: 479534, 479535.
Neoromicia nana (Peters, 1852):
NHMZ: 64003. - **USNM:** 425344.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 168134, 168135, 168136, 168137, 168138, 168139, 168140, 168141, 169163, 169164, 169175. - **KU:** 41263, 41264, 41265, 41266, 41267. - **MVZ:** 117990, 117991.
Rhinolophus clivosus Cretzschmar, 1828:
AMNH: 169173.
VESPERTILIONIDAE Gray, 1821:
AMNH: 168168, 168169, 168170

SE 18021Dd:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 479438, 479539, 479540, 479541, 479542, 479543, 479544, 479545, 479546, 479547, 479548, 479549.
Tadarida aegyptiaca bocagei (Seabra, 1900):
USNM: 425391, 425392, 425393, 425394, 425395, 425396, 425397, 425398, 425399, 425400

SE 18022Aa:

Chaerephon chapini J.A. Allen, 1917:
SMW: 9899.
Chaerephon nigeriae Thomas, 1913:
SMW: 9900.
Epomophorus crypturus Peters, 1852:
SMW: 9909.
MOLOSSIDAE Gervais, 1856:
TM: 31096.
Neoromicia capensis (A. Smith, 1829):
SMW: 9905.
Scotophilus Leach, 1821:
SMW: 9902.
Scotophilus dinganii (A. Smith, 1833):
SMW: 9002

SE 18022Ca:

Epomophorus crypturus Peters, 1852:
NHMZ: 63721. - **USNM:** 425255, 425256.
Kerivoula lanosa (A. Smith, 1847):
NHMZ: 64204. - **USNM:** 425367.
Neoromicia nana (Peters, 1852):
USNM: 425345, 425346, 425347.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 64233. - **USNM:** 425268, 425269, 425270

SE 18022Ab:

Scotophilus dinganii (A. Smith, 1833):
SMW: 13571, 13572, 13573

SE 18022Cd:

Kerivoula lanosa (A. Smith, 1847):
USNM: 425368.
Neoromicia nana (Peters, 1852):
NHMZ: 64001

SE 18022Dd:

Chaerephon chapini J.A. Allen, 1917:
USNM: 518728, 518729, 518730, 518731, 518732, 518733, 518734.

Chaerephon nigeriae Thomas, 1913:
USNM: 518703, 518704.
Chaerephon pumilus (Cretzschmar, 1826):
USNM: 518721.
Mops (Mops) midas (Sundevall, 1843):
USNM: 518735, 518736.
Neoromicia capensis (A. Smith, 1829):
USNM: 518667, 518668.
Nycticeinops schlieffenii (Peters, 1859):
USNM: 518673, 518674, 518675, 518676.
Pipistrellus rueppellii (Fischer, 1829):
USNM: 518637, 518638, 518639.
Scotophilus dinganii (A. Smith, 1833):
USNM: 518686.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 518687, 518688, 518689, 518690, 518691, 518692, 518693, 518694, 518695.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 518618

SE 18023Aa:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 80206

SE 18023Cc:

Nycticeinops schlieffenii (Peters, 1859):
USNM: 518646.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 518679

SE 19023Aa:

Neoromicia zuluensis (Roberts, 1924):
NHMZ: 64097.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 54143.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 63214. - **ROM:** 62640

SE 18023Ad:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 80222.
Epomophorus crypturus Peters, 1852:
TM: 17108

SE 18023Cb:

Chaerephon chapini J.A. Allen, 1917:
NHMZ: 62618.
Chaerephon nigeriae Thomas, 1913:
NHMZ: 63878.
Neoromicia nana (Peters, 1852):
NHMZ: 64002

SE 18023Ba:

Neoromicia nana (Peters, 1852):
SMW: 14538

SE 18023Da:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 91487

SE 18023Dc:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 80200.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 80197.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 80198

SE 18024Ac:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 38483, 38484, 38485, 38486, 38487. - **TM:** 6558

SE 18024Ca:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 63915.
Mops (Mops) midas (Sundevall, 1843):
NHMZ: 63809.
Nycteris macrotis Dobson, 1876:
NHMZ: 64217.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 64215.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 64252.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63759

SE 18024Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 83631

SE 18024Cb:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 6554.
Neoromicia zuluensis (Roberts, 1924):
FMNH: 38470. - **TM:** 6553.
Nycticeinops schlieffenii (Peters, 1859):
AMNH: 83632. - **FMNH:** 38463, 38464, 38465, 38466, 38467, 38468, 38469. - **TM:** 6550, 6551, 6552

SE 18024Cd:

Neoromicia capensis (A. Smith, 1829):
FMNH: 38473.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 38488

SE 18025Dc:

Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 64034

SE 18025Bd:

Nycteris macrotis Dobson, 1876:
NHMZ: 54376.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56198

SE 18025Db:

Epomophorus crypturus Peters, 1852:
NHMZ: 31632.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 31580.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 31582, 67367

SE 18026Ca:

Tadarida ventralis (Heuglin, 1861):
NHMZ: 59915.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56963

SE 18026Ad:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 33755.

Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
NHMZ: 33756.
Nycteris woodi K. Andersen, 1914:
NHMZ: 33747.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 33757, 33766.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 33765

SE 18026Cb:

Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60479

SE 18026Cd:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57541

SE 18026Da:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58911.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 59931

SE 18026Dc:

Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59003

SE 18026Db:

Chaerephon bivittatus (Heuglin, 1861):
NHMZ: 59907.
Epomophorus crypturus Peters, 1852:
FMNH: 152209, 152210, 152211, 152212, 152213, 152214, 152215, 152216, 152217, 152218, 152219, 152220, 152221, 152222, 152223, 152224, 152225, 152226, 152227, 152228, 152229.
Glauconycteris variegata (Tomes, 1861):
NHMZ: 60517.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58531.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 58752.
Laephotis botswanae Setzer, 1971:
FMNH: 152728.
Macronycteris vittatus (Peters, 1852):
NHMZ: 65145.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 31356.
Neoromicia capensis (A. Smith, 1829):
FMNH: 152705, 152706, 152707, 152708. - **NHMZ:** 12744, 58902, 58910.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57067, 57620.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 58348.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58373, 58383.
Rhinolophus rhodesiae Roberts, 1946:
HZM: 1.3701. - **NHMZ:** 58701, 60560.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57559.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 152825, 152826, 152827, 152828, 152829, 152830. - **NHMZ:** 59126.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56958, 56961

SE 18026Dd:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58914.
Neoromicia somalica (Thomas, 1901):
FMNH: 152727

SE 18027Ca:

Epomophorus crypturus Peters, 1852:
FMNH: 152208.
Hipposideros caffer (Sundevall, 1846):
FMNH: 152622, 152623. - **NHMZ:** 30083. - **TM:** 34979, 34980, 34981, 34982.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 29985.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 29700.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 152495, 152496, 152497, 152498, 152499, 152500, 152501, 152502, 152503, 152504, 152505, 152506, 152507, 152508, 152509, 152510, 152511, 152512, 152513, 152514, 152515, 152516. - **NHMZ:** 32072. - **TM:** 34983, 34984, 34985, 34986, 34987, 34988, 34989, 34990, 34991, 34992, 34993, 34994, 34995, 34996, 34997, 34998.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 152576, 152577.
Rhinolophus lobatus Peters, 1852:
FMNH: 152598, 152599, 152600, 152601, 152602, 152603, 152604, 152605.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
FMNH: 152579, 152580, 152581

SE 18027Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 32778, 57088

SE 19027Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMNS: 2118A.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59082, 59083

SE 18027Cb:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 32025.
Epomophorus crypturus Peters, 1852:
NHMZ: 32668.
Macronycteris vittatus (Peters, 1852):
NHMZ: 32669.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 31654.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 32665, 32667.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 32622.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 32644, 32651.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 32021.
Scotophilus viridis (Peters, 1852):
NHMZ: 32623.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 32022

SE 19027Ab:

Hypsugo anchietae (Seabra, 1900):
NHMZ: 58751.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59004, 59081

SE 18027Dc:

Chaerephon nigeriae Thomas, 1913:
NHMZ: 32019.
Epomophorus crypturus Peters, 1852:
NHMZ: 33737.
Glauconycteris variegata (Tomes, 1861):
NHMZ: 32055.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 31965.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 31967, 31973, 31988, 31989, 31991, 33738.

Neoromicia zuluensis (Roberts, 1924):
NHMZ: 31964.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 31995.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 31966, 31992.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 32010, 33735

SE 19027Ba:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58871, 58905.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 58978

SE 18027Bb:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 57610, 57611, 57612, 57613.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 56236.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58930.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 64784.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 64787

SE 18027Dd:

Chaerephon nigeriae Thomas, 1913:
NHMZ: 33608.
Epomophorus crypturus Peters, 1852:
NHMZ: 33625.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 33634.
Macronycteris vittatus (Peters, 1852):
NHMZ: 33609.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 33629.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 33630.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 33631.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 33637

SE 18028Aa:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 59932. - **ROM:** 70995.
Chaerephon chapini J.A. Allen, 1917:
ROM: 79890, 79891, 87420, 87421. - **TM:** 34905, 34906, 34947.
Chaerephon nigeriae Thomas, 1913:
NHMZ: 59900. - **ROM:** 70985, 70986, 70991, 70992, 70993, 70994, 70996, 77538, 84019. - **TM:** 34978. - **TTU:** 47991.
CHIROPTERA Blumenbach, 1779:
ROM: 88418.
Cloeotis percivali Thomas, 1901:
NHMZ: 64805, 64806, 64807, 64808. - **ROM:** 83964, 87395, 88422.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 34892.
Glauconycteris variegata (Tomes, 1861):
NHMZ: 30064. - **ROM:** 88425.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 55937, 58553, 58673, 58674, 63531, 64781, 64782, 64783. - **ROM:** 83962, 83965, 83970, 83974, 83975, 83976, 84010, 87416, 87417, 87418, 87419, 87422, 87423, 87424, 87425, 87432, 87433, 87434, 87435, 88407, 88408, 88409, 88410, 88416, 88419, 88421, 88423, 88424.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 30032, 30870a, 60473.
Kerivoula argentata Tomes, 1861:
ROM: 83978.
Laephotis angolensis Monard, 1935:
ROM: 88413, 88414, 88415.

Laephotis botswanae Setzer, 1971:
NHMZ: 30030, 59330, 63201, 63202. - **TM:** 34964.
Macronycteris vittatus (Peters, 1852):
NHMZ: 63388, 65143.
Miniopterus Bonaparte, 1837:
ROM: 88411, 88412.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 30041, 59547.
MOLOSSIDAE Gervais, 1856:
TM: 34907.
Neoromicia capensis (A. Smith, 1829):
DNSM: 3692. - **NHMZ:** 30037, 58848, 58873, 58934. - **ROM:** 84003, 84004, 84005, 84006, 84007, 87399, 87411, 87412, 87413, 87414, 87426. - **TM:** 34864, 34865, 34889, 34890, 34950, 34951, 34970, 34971, 34972, 34974, 34975.
Neoromicia nana (Peters, 1852):
NHMZ: 58762. - **ROM:** 84012, 84013, 84016. - **TM:** 34973.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 30033, 58943, 58945. - **ROM:** 87401, 87409.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57073. - **ROM:** 83963, 87408.
Nycteris woodi K. Andersen, 1914:
NHMZ: 60542. - **ROM:** 83972, 83977.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 3691. - **NHMZ:** 60503. - **ROM:** 84017, 84018, 87396. - **TM:** 34863, 34888, 34948, 34949, 34968, 34969.
Otomops martiensseni (Matschie, 1897):
ROM: 83979.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 30036. - **ROM:** 84014, 87410.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 64796. - **ROM:** 79892.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 30039, 58939, 59651. - **TM:** 34887.
Rhinolophus denti Thomas, 1904:
ROM: 83966, 83967, 83971, 84011.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 59660. - **TM:** 34862.
Rhinolophus lobatus Peters, 1852:
ROM: 87398, 88417.
Rhinolophus rhodesiae Roberts, 1946:
HZM: 12.7195. - **NHMZ:** 64811.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 30031. - **ROM:** 88420. - **TM:** 34846, 34847, 34848, 34849, 34850, 34851, 34852, 34853, 34854, 34855, 34856, 34857, 34858, 34859, 34860, 34861, 34965, 34966, 34967.
Scotophilus Leach, 1821:
TM: 34895, 34900, 34901.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59285. - **USNM:** 543074, 543075.
Scotophilus leucogaster (Cretzschmar, 1826):
DNSM: 3690. - **NHMZ:** 59272. - **ROM:** 87397, 87428, 87429, 87430, 87431. - **USNM:** 543076, 543077, 543078, 543079.
Scotophilus viridis (Peters, 1852):
TM: 34893, 34894, 34896, 34897, 34898, 34899, 34902, 34903, 34904, 34952, 34953, 34954, 34955, 34956, 34957, 34976, 34977.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 33444. - **TM:** 34891.
Tadarida fulminans (Thomas, 1903):
NHMZ: 33605. - **ROM:** 83980.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 59300

SE 18028Ac:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 33612.
Chaerephon bivittatus (Heuglin, 1861):
NHMZ: 33620.
Chaerephon nigeriae Thomas, 1913:
NHMZ: 33606.
Epomophorus crypturus Peters, 1852:
NHMZ: 33640, 33734.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 33711.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 33681.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 33732.

Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 33644, 33646, 33648, 33649, 33650, 33651, 33653, 33654, 33669, 33670, 33671, 33672, 33673, 33674, 33675, 33676, 33679, 33680, 33682, 33683, 33706, 33707, 33710.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 33647, 33652.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 33643.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 33730.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 33621

SE 18028Ad:

Nycteris woodi K. Andersen, 1914:
HZM: 1.4128

SE 18028Bc:

Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 58385

SE 18028Bb:

Neoromicia capensis (A. Smith, 1829):
DNSM: 116.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 31963.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60488.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 115

SE 18028Bd:

Neoromicia zuluensis (Roberts, 1924):
NHMZ: 30935

SE 18029Ab:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 30657.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 82292.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 30374.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 31733.
Rhinolophus lobatus Peters, 1852:
NHMZ: 31741.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 33430.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 30280

SE 18029Ad:

Macronycteris vittatus (Peters, 1852):
NHMZ: 33597.
Myotis tricolor (Temminck, 1832):
NHMZ: 33885.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 30336.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 31715

SE 18029Dc:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 29802.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 29801

SE 18029Db:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58552.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 84505.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57057.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 84506

SE 18029Dd:

Epomophorus crypturus Peters, 1852:
NHMZ: 84492.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 30563.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 60773.
Myotis bocagii (Peters, 1870):
NHMZ: 84463.
Myotis tricolor (Temminck, 1832):
NHMZ: 82239.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 84437.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 84490.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 60780, 60781, 65242.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 84464.
Rhinolophus blasii Peters, 1867:
NHMZ: 60772.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 60987.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 60973.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 60774.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 84484.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 60776

SE 18030Dd:

Laephotis botswanae Setzer, 1971:
NHMZ: 58131

SE 18031Ac:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58884.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59047

SE 18031Ba:

Epomophorus crypturus Peters, 1852:
NHMZ: 32813.
Eptesicus hottentotus (A. Smith, 1833):
HZM: 1.7130. - **NHMZ:** 58958, 58959, 58960.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58557.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58869.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 33471.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 60467.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 33392.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58411, 58413.

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 62147.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59045, 59105

SE 18031Bc:

Epomophorus crypturus Peters, 1852:
ZMA: MAM.19804, MAM.19805.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58705.
Macronycteris vittatus (Peters, 1852):
NHMZ: 33400, 57206, 57207, 63389, 63390.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59690.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58866.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57044.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58408.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57521.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 63258.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 59974.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56944

SE 19031Bb:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 80371

SE 18032Ca:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58529

SE 18032Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57248

SE 18032Cd:

Eidolon helvum (Kerr, 1792):
NHMZ: 59737.
Macronycteris vittatus (Peters, 1852):
NHMZ: 65144.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1949.108. - **NHMZ:** 57026.
Rhinolophus darlingi K. Andersen, 1905:
BMNH: 1949.441.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 30503, 57585.
Scotophilus nigrita (Schreber, 1774):
BMNH: 1947.7

SE 18032Ba:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 11404

SE 18032Bc:

Hypsugo anchietae (Seabra, 1900):
ZMA: MAM.05661.
Miniopterus natalensis (A. Smith, 1833):
ZMA: MAM.05660.
Neoromicia capensis (A. Smith, 1829):
DNSM: 4691. - **NHMZ:** 58874.
Neoromicia nana (Peters, 1852):
DNSM: 5366.

Pipistrellus hesperidus (Temminck, 1840):
DNSM: 4692.
Rhinolophus clivosus Cretzschmar, 1828:
ZMA: MAM.05658.
Rhinolophus fumigatus Rüppell, 1842:
DNSM: 5005.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 62033

SE 18032Dc:

Chaerephon bivittatus (Heuglin, 1861):
NHMZ: 59973.
Cloeotis percivali Thomas, 1901:
DNSM: 3685, 5183. - **KU:** 135018, 135019. - **NHMZ:** 19885, 25859, 33408, 33409, 33410, 58137, 58173, 58174, 58175, 58477, 58478, 58479, 58480, 58481, 58482, 58483, 58484, 58485, 58486, 58487, 58488, 58489, 58490, 58491, 58493, 58494, 58495, 58496, 58499, 58500, 58501, 58502, 58503, 58504, 58505, 58506, 58509, 58510, 58511, 58512, 58513, 58514, 58515, 58516, 58517, 58736, 58737. - **ROM:** 64787, 64788, 64789, 64790, 64791, 64792, 64793, 64794, 64795, 64796, 64797, 64798, 64799, 64800, 64801, 64802, 64803, 64808, 64809, 64810, 64821, 64822, 64825, 64826, 64827, 64828, 64836. - **TM:** 34662, 34663, 34664, 34665, 34666, 34667, 34668, 34669, 34670, 34671, 34672, 34673, 34674, 34675, 34800, 34801, 34809, 34810, 34811, 34812, 34813, 38265.
Eidolon helvum (Kerr, 1792):
NHMZ: 59733, 59738.
Epomophorus crypturus Peters, 1852:
HZM: 14.3706.
Epomophorus wahlbergi (Sundevall, 1846):
HZM: 10.3237, 11.3448, 12.3705. - **ROM:** 64837, 64838.
Hipposideros caffer (Sundevall, 1846):
DNSM: 3684, 4601, 4602, 4603, 4604, 4605, 4606, 4607, 4608, 4609, 4610, 4611, 4612, 4613, 4614, 4615. - **NHMZ:** 19884, 33401, 33402, 33403, 33404, 33405, 33406, 58532, 58536, 58537, 58538, 58539, 58545, 58547, 58558, 58571, 58572, 58573, 58579, 58581, 58582, 58583, 58584, 58585, 58586, 58587, 58588, 58589, 58623, 58624, 58625, 58626, 58627, 58628, 58629, 58630, 58631, 58632, 58633, 58634, 58635, 58636, 58637, 58638, 58639, 58678, 58679. - **ROM:** 64779, 64780, 64781, 64782, 64783, 64804, 64805, 64806, 64807, 6482, 64824, 64835. - **TM:** 34686, 34687, 34688, 34689, 34690, 34691, 34692, 34693, 34694, 34695, 34696, 34697, 34698, 34699, 34802, 34803, 34804, 34805, 34806.
Kerivoula argentata Tomes, 1861:
NHMZ: 60535.
Macronycteris vittatus (Peters, 1852):
NHMZ: 60630, 65153, 65155.
Miniopterus fraterculus Thomas and Schwann, 1906:
KU: 135023. - **ROM:** 64846, 64847, 64848, 64849, 64850, 64860, 64865.
Miniopterus inflatus Thomas, 1903:
NHMZ: 59551, 59557. - **TM:** 34679, 34680, 34681, 42873.
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013:
DNSM: 3687.
Miniopterus natalensis (A. Smith, 1833):
KU: 135022, 135874. - **NHMZ:** 59667. - **ROM:** 64819, 64820, 64841, 64842, 64843, 64844, 64845, 64851, 64852, 64853, 64854, 64855, 64858, 64861, 64862, 64864. - **TM:** 16521, 34677, 34678, 34682, 34683, 34684, 34685.
Myonycteris angolensis goliath (Bergmans, 1997):
HZM: 15.3219. - **NHMZ:** 59796.
Myotis welwitschii (Gray, 1866):
HZM: 2.4100. - **NHMZ:** 56442.
Neoromicia nana (Peters, 1852):
NHMZ: 19888, 58721.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1947.1406. - **DNSM:** 3683, 4616, 4617, 4618, 4619, 4620, 4621, 4622. - **KU:** 135020. - **NHMZ:** 19838, 33483, 33484. - **ROM:** 64785, 64786, 64812, 64813, 64814, 64815, 64816, 64817, 64818, 64829, 64830, 64831, 64832, 64833, 64834, 64839, 64840. - **TM:** 34700, 34701, 34702, 34703, 34704, 34705, 34706, 34707, 34708, 34709, 34710, 34711, 34807, 34808.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60480.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 58162, 58321, 58322, 58356. - **ROM:** 64823. - **TM:** 34657.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 33393. - **TM:** 34661.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 54161, 60703.
Rhinolophus lobatus Peters, 1852:
NHMZ: 60718.
Rhinolophus rhodesiae Roberts, 1946:
HZM: 11.5485. - **KU:** 135021. - **NHMZ:** 60558.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 14267, 3686, 4623, 4624. - **NHMZ:** 33881, 62032, 62034, 62040. - **ROM:** 64811. - **TM:** 34656, 34658, 34659, 34660, 34815, 34816, 34817, 34818.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 19886, 54219, 57520, 57584, 57587. - **USNM:** 382644.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 2745a.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 27481, 58969, 58997.
Scotophilus viridis (Peters, 1852):
NHMZ: 56444.
Triaenops afer Peters, 1877:
KU: 135017. - **TM:** 34814

SE 19032Ba:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 88622.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59519

SE 18032Bb:

Myotis tricolor (Temminck, 1832):
NHMZ: 6932.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58429

SE 18032Bd:

Myonycteris angolensis goliath (Bergmans, 1997):
NHMZ: 59826, 59831. - **ZMA:** MAM.24710, MAM.24719.
Neoromicia nana (Peters, 1852):
NHMZ: 58739, 58740, 58741, 58742.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 34756.
Pipistrellus hesperidus (Temminck, 1840):
TM: 11403, 34757.
Rhinolophus blasii Peters, 1867:
NHMZ: 62080, 62081.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 34754, 34755.
Rhinolophus darlingi K. Andersen, 1905:
TM: 35022, 35028.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 61988.
Scotophilus dinganii (A. Smith, 1833):
TM: 43839, 43840

SE 18032Db:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 6941

SE 18032Dd:

Chaerephon bivittatus (Heuglin, 1861):
CZL: 4800507.
Neoromicia Roberts, 1926:
USNM: 367552, 367553, 367554.
Neoromicia nana (Peters, 1852):
CM: 6277. - **TM:** 7714. - **USNM:** 365379, 365380, 365381, 365382, 365383, 365384, 365385, 365386, 365387, 365388, 365389, 365390, 365391, 365392, 365393, 365394, 365395, 365396, 365397, 365398.
Nycteris macrotis Dobson, 1876:
CZL: 4800949.
Rhinolophus rhodesiae Roberts, 1946:
USNM: 365202.
Rhinolophus simulator K. Andersen, 1904:
USNM: 365198, 365199, 365200, 365201

SE 18033Aa:

Neoromicia Roberts, 1926:
USNM: 367546, 367547, 367548, 367549, 367550, 367551.
Neoromicia nana (Peters, 1852):
NHMZ: 63134, 64010. - **USNM:** 365350, 365351, 365352, 365353, 365354, 365355, 365356, 365357, 365358, 365359, 365360, 365361, 365362, 365363, 365364, 365365, 365366, 365367, 365368, 365369, 365370, 365371, 365372, 365373, 365374, 365375, 365376, 365377, 365378.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 365177.

Rhinolophus fumigatus Rüppell, 1842:
USNM: 365204.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 365503.
Tadarida fulminans (Thomas, 1903):
USNM: 365476, 365477, 365478

SE 18033Ac:

Myotis bocagii (Peters, 1870):
NHMZ: 57885.
Neoromicia nana (Peters, 1852):
NHMZ: 58738, 63166.
Nycteris hispida (Schreber, 1774):
NHMZ: 60538

SE 18033Cc:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 27455. - **TM:** 13686, 13687

SE 18033Cd:

Nycteris macrotis Dobson, 1876:
CZL: 4800857

SE 18034Ac:

Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 214693, 214694.
Miniopterus Bonaparte, 1837:
FMNH: 214878.
Myonycteris angolensis (Bocage, 1898):
FMNH: 214695, 214696, 214697, 214700, 214701, 214704, 214705, 214876.
Neoromicia nana (Peters, 1852):
FMNH: 214723, 214725. - **NHMZ:** 64012, 64013, 64016.
Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018:
DNSM: 14864

SE 18034Ca:

Scotophilus dinganii (A. Smith, 1833):
BMNH: 1908.1.1.27, 1908.1.1.28, 1908.1.1.29, 1908.1.1.30, 1908.1.1.31, 1908.1.1.32

SE 18034Cc:

Neoromicia nana (Peters, 1852):
DNSM: 9860.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 11508.
Scotoecus hindei Thomas, 1901:
DNSM: 9372.
Scotophilus viridis (Peters, 1852):
DNSM: 9863

SE 18034Ad:

Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 64264

SE 18034Cb:

Macronycteris vittatus (Peters, 1852):
DNSM: 11510.
Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018:
DNSM: 14815, 14816, 14817, 14818, 14819, 14820, 14828, 14843, 14865.
Rhinolophus lobatus Peters, 1852:
DNSM: 13838, 13894, 13905, 13916, 13937, 13942, 13943, 13944, 13945, 14529, 14531, 14532

SE 18034Cd:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 62870.
Rhinolophus lobatus Peters, 1852:
TM: 49114, 49115

SE 18034Da:

Rhinolophus lobatus Peters, 1852:
TM: 49117, 49118

SE 18034Dc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 214721.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
FMNH: 214706, 214707, 214708, 214709, 214710, 214711, 214712, 214713, 214714, 214715, 214716, 214717, 214718, 214719

SE 18034Bd:

Rhinolophus lobatus Peters, 1852:
SMF: 11640.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 33577. - **SMF:** 11639

SE 18034Db:

Hipposideros caffer (Sundevall, 1846):
DNSM: 8588.
Macronycteris vittatus (Peters, 1852):
DNSM: 8645.
Miniopterus inflatus Thomas, 1903:
DNSM: 8527, 8556.
Nycteris macrotis Dobson, 1876:
DNSM: 8663.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 8668.
Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018:
TM: 49116.
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 8580.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
DNSM: 8659.
Triaenops afer Peters, 1877:
DNSM: 8636

SE 18034Dd:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 63962.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 63870

SE 18035Ac:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 718

SE 18035Cc:

Eidolon helvum (Kerr, 1792):
NHMZ: 63733.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 8651.
Myonycteris relicta Bergmans, 1980:
DNSM: 8561.
Neoromicia capensis (A. Smith, 1829):
DNSM: 8533.
Neoromicia zuluensis (Roberts, 1924):
DNSM: 8536.
Rhinolophus deckenii Peters, 1868:
DNSM: 8560.

Rhinolophus lobatus Peters, 1852:
DNSM: 8574.
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 8579.
Scotophilus viridis (Peters, 1852):
DNSM: 12949, 8472, 8473

SE 18035Ba:

Epomophorus crypturus Peters, 1852:
BMNH: 1864.1.9.6.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1864.1.9.5.
Kerivoula argentata Tomes, 1861:
BMNH: 1864.1.9.37, 1864.1.9.38, 1864.1.9.39

SE 18035Bc:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 33594

SE 18035Bd:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 83934.
Eidolon helvum (Kerr, 1792):
NHMZ: 83936.
Epomophorus crypturus Peters, 1852:
NHMZ: 84003.
Epomophorus wahlbergi (Sundevall, 1846):
NHMZ: 84005.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 83998.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 83937, 84011.
Myonycteris angolensis goliath (Bergmans, 1997):
NHMZ: 84006.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 84002

SE 18036Ca:

Epomophorus wahlbergi (Sundevall, 1846):
HZM: 24.5924

SE 18044Ab:

Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 209243, 209244. - **UADBA:** 48146, 48150.
Miniopterus gleni Peterson, Eger and Mitchell, 1995:
FMNH: 209250, 209251, 209252. - **UADBA:** 48139, 48145, 48151.
Miniopterus griveaudi Harrison, 1959:
FMNH: 209246, 209247, 209248. - **UADBA:** 48131, SMG-16543

SE 18044Ba:

Otomops madagascariensis Dorst, 1953:
FMNH: 169667, 169689, 169692, 169693, 169694, 169695

SE 18044Bc:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 187784, 187785

SE 18044Da:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 187786.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 169730.
Myotis goudoti (A. Smith, 1834):
ROM: 41840

SE 18044Db:

Myotis goudoti (A. Smith, 1834):
MCZ: 45622.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
MNHN: ZM-MO-1932-3386

SE 18044Dd:

Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 187790, 187791, 187792, 187793.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1984-1080.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
MCZ: 16336

SE 18045Cc:

Triaenops menamena Goodman and Ranivo, 2009:
MCZ: 45441, 45442, 45443, 45444

SE 18045Ad:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 194580.
Myotis goudoti (A. Smith, 1834):
FMNH: 194581

SE 18045Cd:

Eidolon dupreanum (Schegel, 1867):
MCZ: 45073

SE 18047Ac:

Miniopterus majori Thomas, 1906:
MCZ: 45575.
Mormopterus jugularis (Peters, 1865):
FMNH: 184835.
Neoromicia matroka (Thomas and Schwann, 1905):
FMNH: 184871

SE 18047Ab:

Miniopterus Bonaparte, 1837:
FMNH: 194162, 194164, 194168. - **UADBA:** 43177, 43179, 43181.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 194169. - **UADBA:** 43172, 43175, 43176, 43178, 43180.
Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015:
FMNH: 221428, 221429, 229339, 229388, 229389, 229390, 229392, 229394, 229397, 229398, 229402. - **UADBA:** 33033, 33034, 33037, 33038, 33039, SMG-18441.
Miniopterus manavi Thomas, 1906:
UADBA: 43171.
Myotis goudoti (A. Smith, 1834):
FMNH: 194154, 194155, 194156, 194157, 194158, 194159, 194160, 194161, 221420, 229045, 229383, 229384, 229385, 229386. - **UADBA:** 33043.
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007:
UADBA: 43183.
Neoromicia matroka (Thomas and Schwann, 1905):
FMNH: 194153.
Triaenops menamena Goodman and Ranivo, 2009:
FMNH: SMG-18575

SE 18047Da:

Pipistrellus hesperidus (Temminck, 1840):
FMNH: 108983, 108984, 108985

SE 18047Dc:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-MO-1985-406, ZM-MO-1985-407 A, ZM-MO-1985-407 B.
Eidolon dupreanum (Schegel, 1867):
ROM: 41972, 41974.

Miniopterus manavi Thomas, 1906:
MNHN: ZM-MO-1984-1056.
Mops (Mops) leucostigma (G.M. Allen, 1918):
MCZ: 16344, 16345.
Mormopterus acetabulosus (Hermann, 1804):
MNHN: ZM-MO-1984-1257.
Mormopterus jugularis (Peters, 1865):
MCZ: 45915. - **MNHN:** ZM-MO-1984-1227, ZM-MO-1984-1228, ZM-MO-1985-453, ZM-MO-1985-462, ZM-MO-1985-463, ZM-MO-1985-464, ZM-MO-1985-465, ZM-MO-1985-466, ZM-MO-1985-467, ZM-MO-1985-468, ZM-MO-1985-469, ZM-MO-1985-470, ZM-MO-1985-471, ZM-MO-1985-472. - **ROM:** 41939, 41940, 41941, 41945, 41946, 41947, 41948, 41949, 41950, 41951, 41952, 41953, 41954, 41955, 41956, 41957, 41958, 41959, 41960, 41961, 41962, 41963, 41964, 41965, 41966, 41967, 41968, 41969, 41970, 41971, 41987, 41988, 41989, 41990, 41991, 41992, 41993, 41994, 41995, 41996, 41997, 41998, 41999, 42000, 42001, 42457, 42458, 42459, 42460, 42461, 42462, 42463, 42464, 42465, 42466, 42467, 42468. - **ZMB:** 2977.
Neoromicia capensis (A. Smith, 1829):
MNHN: ZM-MO-1957-1447, ZM-MO-1985-414.
Neoromicia matroka (Thomas and Schwann, 1905):
MNHN: ZM-MO-1985-415. - **ROM:** 41943, 41944.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-409.
Neoromicia somalica (Thomas, 1901):
MNHN: ZM-MO-1985-416.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
MNHN: ZM-MO-1951-1AC

SE 18047Bd:

Eidolon dupreanum (Schegel, 1867):
NMV: C1704.
Miniopterus Bonaparte, 1837:
NMV: C1700, C1701.
Mormopterus jugularis (Peters, 1865):
FMNH: 222716, 222717. - **UADBA:** 33753, 33754, 33756, 33757, 33758, 33762, 33763, 33764.
Neoromicia matroka (Thomas and Schwann, 1905):
FMNH: 222727, 222728.
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012:
FMNH: 222729. - **UADBA:** 43677.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
NMV: C1702, C1703

SE 18047Db:

Myotis goudoti (A. Smith, 1834):
UADBA: VS-1117

SE 18047Dd:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 184661, 184662, 184663, 184664, 184665, 184666, 184667, 184668, 184669, 184670, 184671, 184672, 184673, 184674, 184675, 184676, 184677, 184678, 184679, 184680, 184681, 184682, 184683, 184684, 184685, 184686

SE 18048Cc:

Neoromicia matroka (Thomas and Schwann, 1905):
BMNH: 1897.9.1.33

SE 18048Cd:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 184491, 184492, 184493, 184494, 184495, 184496, 184497, 184498, 184499, 184500, 184501, 184502, 184503, 184504, 184505, 184506, 184507, 184508, 222734, 222736, 222737, 222738, 222739, 222741, 222742, 222743, 222744, 222745, 222746. - **MNHN:** ZM-MO-1985-475. - **UADBA:** 33705, 33706, 33707, 33708, 33709.
Chaerephon pumilus (Cretzschmar, 1826):
ROM: 51619. - **YPM:** MAM 005517, MAM 005518, MAM 005519, MAM 005520, MAM 005900, MAM 005901, MAM 005902, MAM 005903, MAM 005904.
Miniopterus majori Thomas, 1906:
ROM: 42003.
Miniopterus manavi Thomas, 1906:
ROM: 42004, 42005, 42006, 42045, 42046, 42047, 42048, 42049, 42050, 42051, 42052, 42053, 42054, 46898, 46899, 46900, 46901, 46927, 46928, 86034.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1985-477, ZM-MO-1985-479, ZM-MO-1998-1919.
Mops (Mops) leucostigma (G.M. Allen, 1918):
FMNH: 188009. - **YPM:** MAM 005905.

Mormopterus jugularis (Peters, 1865):
BRTC: 28744. - **FMNH:** 184576, 222735. - **ROM:** 42043, 42044, 42057, 42058, 42059, 42060, 42061, 42062, 42063, 42064, 42066, 42067, 42068, 42069, 42070, 42114, 42115, 42116, 42117, 42118, 42119, 42120, 42121, 42122, 42123, 42124, 42125, 42126, 42127, 42128, 42129.
Neoromicia matroka (Thomas and Schwann, 1905):
ROM: 41841, 46897. - **UADBA:** 43674. - **YPM:** MAM 005521.
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012:
FMNH: 213931. - **UADBA:** 43678.
Paremballonura atrata (Peters, 1874):
MNHN: ZM-MO-1985-418. - **ROM:** 42056.
Rousettus madagascariensis G. Grandidier, 1929:
ROM: 42007, 42008, 42009, 42010, 42011, 42012, 42013, 42014, 42015, 42016, 42017, 42018, 42019, 42020, 42021, 42022, 42023, 42024, 42025, 42026, 42027, 42028, 42029, 42030, 42031, 42032, 42033, 42034, 42035, 42036, 42038, 42039, 42040, 42041, 42130, 42131, 42132, 51114, 51115, 51116, 51117, 51118, 51119, 51120

SE 18048Ba:

Neoromicia capensis (A. Smith, 1829):
USNM: 328729

SE 18048Dc:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 184509, 184510, 184511, 184512, 184513, 184514, 184515, 184516, 184517, 184518, 184519, 184520, 184521, 184522, 184523, 184524.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1984-764, ZM-MO-1984-765, ZM-MO-1984-766, ZM-MO-1984-767, ZM-MO-1984-768, ZM-MO-1984-769, ZM-MO-1984-770, ZM-MO-1984-771, ZM-MO-1984-772.
Mops (Mops) leucostigma (G.M. Allen, 1918):
ROM: 42135, 42136, 42137, 42138, 42139, 42140, 42141, 42142, 42143, 42144, 42145, 42146, 42147, 42148, 42149, 42150, 42151, 42334, 42335, 42336, 42337, 42338, 42339, 42340, 42362, 42363, 42364, 42365, 42366, 42367, 42368, 42369, 42370, 42371, 42387, 42388, 42389, 42390, 42391, 42392, 42393, 42394, 42395, 42396, 42400, 42401, 42402, 42403, 42404, 42405, 42406, 42407, 42408, 42409, 42410, 42411, 42412, 42414, 42415, 42416, 42417, 42418, 42419, 42420, 42421, 42422, 42423, 42424, 42425, 42426, 42427, 42428, 42429, 42430.
Mormopterus jugularis (Peters, 1865):
BRTC: 28743. - **ROM:** 42133, 42134, 42152, 42153, 42154, 42155, 42156, 42157, 42158, 42159, 42160, 42161, 42162, 42163, 42164, 42165, 42166, 42167, 42168, 42169, 42170, 42171, 42172, 42173, 42174, 42175, 42176, 42177, 42178, 42179, 42180, 42181, 42182, 42183, 42184, 42185, 42186, 42187, 42188, 42189, 42190, 42191, 42192, 42193, 42194, 42195, 42196, 42197, 42198, 42199, 42200, 42201, 42202, 42203, 42204, 42205, 42206, 42207, 42208, 42209, 42210, 42211, 42212, 42213, 42214, 42215, 42216, 42217, 42218, 42219, 42220, 42221, 42222, 42223, 42224, 42225, 42226, 42227, 42228, 42229, 42230, 42231, 42232, 42233, 42234, 42235, 42236, 42237, 42238, 42239, 42240, 42241, 42242, 42243, 42244, 42245, 42246, 42247, 42248, 42249, 42250, 42251, 42252, 42253, 42254, 42255, 42256, 42257, 42258, 42259, 42260, 42261, 42262, 42263, 42264, 42265, 42266, 42267, 42268, 42269, 42270, 42271, 42272, 42273, 42274, 42275, 42276, 42277, 42278, 42279, 42280, 42281, 42282, 42283, 42284, 42285, 42286, 42287, 42288, 42289, 42290, 42291, 42292, 42293, 42294, 42295, 42296, 42297, 42298, 42299, 42300, 42301, 42302, 42303, 42304, 42305, 42306, 42307, 42308, 42309, 42310, 42311, 42312, 42313, 42314, 42315, 42316, 42317, 42318, 42319, 42320, 42321, 42322, 42323, 42324, 42325, 42326, 42327, 42328, 42329, 42330, 42331, 42332, 42333, 42341, 42342, 42343, 42344, 42345, 42346, 42347, 42348, 42372, 42373, 42375, 42376, 42377, 42378, 42379, 42380, 42381, 42382, 42383, 42384, 42385, 42386, 42397, 42398, 42399, 42413, 42431, 42432, 42433, 42434, 42435, 42436.
Myotis goudoti (A. Smith, 1834):
MCZ: 45113.
Paremballonura atrata (Peters, 1874):
MNHN: ZM-MO-1984-757, ZM-MO-1984-758

SE 18048Bd:

Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
MNHN: ZM-MO-1976-2, ZM-MO-1976-4

SE 18048Dd:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 187824, 187825, 187826, 187827, 187828, 187829, 187830, 187831, 187832, 187833, 187834, 187835, 187836, 187837.
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011:
FMNH: 202474, 209159, 209160, 209161, 209168.
Myotis goudoti (A. Smith, 1834):
FMNH: 202458, 202459, 202460, 202461, 202462, 202463, 202464, 202465, 202466, 202467

SE 18049Cc:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 187823.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-MO-1985-441.

Mops (Mops) leucostigma (G.M. Allen, 1918):
ROM: 42439, 42440, 42441.
Neoromicia matroka (Thomas and Schwann, 1905):
MCZ: 45100.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
ROM: 42445, 42446, 42447, 42448, 42449, 42450, 42451, 42452

SE 18049Ab:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 187797, 187798, 187799, 187800, 187803, 187804, 187805, 187806, 187807, 187808, 187809, 187810, 187811, 187812, 187813, 187814, 187815. - **UADBA:** RB-20, RB-21.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
USNM: 113371.
Mops (Mops) leucostigma (G.M. Allen, 1918):
ZMA: MAM.16834.
Myotis goudoti (A. Smith, 1834):
FMNH: 194181, 194182. - **UADBA:** RB-17, RB-19.
Paremballonura atrata (Peters, 1874):
MCZ: 16401, 16402. - **UADBA:** 31936.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
ZMB: 67256, T10571.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1883-213, ZM-MO-1883-214

SE 18049Ad:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 187816, 187817, 187818, 187819, 187820, 187821, 187822

SE 18049Cb:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
ZMB: 44559.
Mops (Mops) leucostigma (G.M. Allen, 1918):
AMNH: 170625, 170626, 170627, 170628, 170629, 170630, 170631, 170632, 170633, 170634, 170635, 170636, 170637, 170638, 170639, 170640.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
AMNH: 170614, 170616, 170617, 170618, 170619, 170620, 170621

SE 20013Aa:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
SMW: 12486

SE 19013Ba:

Epomophorus angolensis Gray, 1870:
SMW: M-8212, M-8306, M-8309.
Neoromicia zuluensis (Roberts, 1924):
NMP: pb5802

SE 19013Bb:

Epomophorus angolensis Gray, 1870:
SMW: 8212.
Sauromys petrophilus (Roberts, 1917):
SMW: 8310, 8311, 8312, 8313, 8317.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 8314, 8315, 8316

SE 19013Dd:

Neoromicia zuluensis (Roberts, 1924):
SMW: 8272

SE 19014Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 13705

SE 19014Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 48752. - **SMW:** 8076.
Rhinolophus damarensis Roberts, 1946:
SMW: 8092

SE 19014Da:

Neoromicia capensis (A. Smith, 1829):
CM: 93179, 93180, 93181. - **SMW:** 10924.
Neoromicia zuluensis (Roberts, 1924):
CM: 93183, 93184, 93185. - **SMW:** 10918.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 10917.
Nycticeinops schlieffenii (Peters, 1859):
SMW: 10925.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 10926, 10927, 10928, 10929, 10931

SE 19015Ca:

Neoromicia zuluensis (Roberts, 1924):
NMP: pb6039

SE 19015Cc:

Neoromicia zuluensis (Roberts, 1924):
KM: 28211.
Nycticeinops schlieffenii (Peters, 1859):
KM: 28212.
Sauromys petrophilus (Roberts, 1917):
KM: 28297, 28298, 28299, 28300, 28301, 28302, 28303, 28304, 28305, 28309, 28310, 28311, 28312, 28313, 28314, 28315, 28316, 28317, 28318, 28319, 28321, 28322. - **SMW:** 11841

SE 19015Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
CAS: 29767, 29771, 29772, 29773, 29774, 29776, 29841, 29843, 29845, 29846, 29847, 29848, 29849

SE 19015Bc:

Nycticeinops schlieffenii (Peters, 1859):
SMW: 8099.
Scotophilus dinganii (A. Smith, 1833):
SMW: 8068, 8069, 8070, 8071, 8072, 8073, 8074, 8075

SE 19015Da:

Miniopterus inflatus Thomas, 1903:
SMW: 14582.
Neoromicia capensis (A. Smith, 1829):
FMNH: 78158.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 78157

SE 19015Bb:

Eidolon helvum (Kerr, 1792):
SMW: 15260.
Macronycteris vittatus (Peters, 1852):
SMW: 8102.
Mops (Mops) midas (Sundevall, 1843):
SMW: 8115.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 13619.
Rhinolophus denti Thomas, 1904:
SMW: 8116.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 8098

SE 19015Bd:

Hipposideros caffer (Sundevall, 1846):
SMW: 8095.
Rhinolophus fumigatus Rüppell, 1842:
SMW: 8106

SE 19016Ab:

Hipposideros caffer (Sundevall, 1846):
SMW: 2385.
Neoromicia capensis (A. Smith, 1829):
SMW: 12680.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 13620

SE 19016Cd:

Macronycteris vittatus (Peters, 1852):
LACM: 56258

SE 19017Ad:

Macronycteris vittatus (Peters, 1852):
KM: 31439.
Miniopterus natalensis (A. Smith, 1833):
KM: 31458

SE 19017Cb:

Nycteris G. Cuvier and E. Geoffroy, 1795:
TM: 42499

SE 19017Ba:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 11862.
Rhinolophus fumigatus Rüppell, 1842:
TM: 11863

SE 19017Dc:

Macronycteris vittatus (Peters, 1852):
SMW: 13668

SE 19017Bd:

Chaerephon nigeriae Thomas, 1913:
LACM: 41684.
Miniopterus inflatus Thomas, 1903:
SMW: 14580.
Neoromicia capensis (A. Smith, 1829):
NMP: pb5880.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
LACM: 41617.
Rhinolophus damarensis Roberts, 1946:
LACM: 41608.
Rhinolophus denti Thomas, 1904:
LACM: 41930.
Sauromys petrophilus (Roberts, 1917):
LACM: 41723

SE 19017Db:

Rhinolophus denti Thomas, 1904:
SMW: 7082.
Rhinolophus fumigatus Rüppell, 1842:
SMW: 7084

SE 19018Ca:

Chaerephon nigeriae Thomas, 1913:
SMW: 13704.

Neoromicia zuluensis (Roberts, 1924):
KM: 8083, 8092, 8094.
Scotophilus leucogaster (Cretzschmar, 1826):
LACM: 56359

SE 19018Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1935.9.1.70, 1935.9.1.71, 1935.9.1.72, 1935.9.1.73, 1935.9.1.74, 1935.9.1.75, 1935.9.1.76, 1935.9.1.77. - **KM:** 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713. - **MCZ:** 37053. - **ZMB:** T10183.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1935.9.1.65, 1935.9.1.67

SE 19019Ac:

Pipistrellus rusticus (Tomes, 1861):
KM: 1891, 1894

SE 19019Ab:

Scotophilus dinganii (A. Smith, 1833):
BMNH: 1935.9.1.69

SE 19020Ba:

Scotophilus Leach, 1821:
SMW: 1903

SE 19020Da:

Chaerephon nigeriae Thomas, 1913:
SMW: 11349. - **TM:** 39798.
Mops (Mops) midas (Sundevall, 1843):
SMW: 2722

SE 19020Dc:

Chaerephon nigeriae Thomas, 1913:
SMW: 11354. - **TM:** 39799, 39800.
Mops (Mops) midas (Sundevall, 1843):
USNM: 295195.
Tadarida fulminans (Thomas, 1903):
TM: 39797

SE 19021Ca:

Rhinolophus denti Thomas, 1904:
USNM: 367696

SE 19021Cd:

Macronycteris vittatus (Peters, 1852):
TM: 14756, 14757, 14758, 14759

SE 19021Bb:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 62634, 62635, 62636, 62637.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 62648.
Pipistrellus rueppellii (Fischer, 1829):
ROM: 62650, 62651, 62656.
Scotophilus dinganii (A. Smith, 1833):
ROM: 62643.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 62644

SE 19022Ad:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 367818.
Neoromicia capensis (A. Smith, 1829):
USNM: 425328, 425329.

Neoromicia rendalli (Thomas, 1889):
USNM: 425343.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 64209.
Pipistrellus rusticus (Tomes, 1861):
USNM: 425330, 518645

SE 19022Bb:

Neoromicia capensis (A. Smith, 1829):
FMNH: 97212. - **TM:** 48490.
Pipistrellus rueppellii (Fischer, 1829):
USNM: 518640

SE 19022Bd:

Epomophorus crypturus Peters, 1852:
NHMZ: 80143

SE 19022Db:

Epomophorus crypturus Peters, 1852:
NHMZ: 80141.
Glauconycteris variegata (Tomes, 1861):
NHMZ: 59225.
Laephotis botswanae Setzer, 1971:
NHMZ: 59310.
Macronycteris vittatus (Peters, 1852):
NHMZ: 59223.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 59209, 59213.
Neoromicia rendalli (Thomas, 1889):
NHMZ: 59311.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
NHMZ: 59307.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 59224.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 59221.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 59207, 59214.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59220.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 59217, 59218

SE 19023Aa:

Chaerephon chapini J.A. Allen, 1917:
USNM: 518726, 518727.
Chaerephon nigeriae Thomas, 1913:
NHMZ: 54117. - **USNM:** 518698, 518699, 518700, 518701, 518723, 518724, 518725.
Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 54113, 54115. - **USNM:** 518705, 518706, 518707, 518708, 518709, 518710, 518711, 518712, 518713, 518714, 518715, 518716, 518717, 518718, 518719, 518720.
Epomophorus Bennett, 1836:
USNM: 518609, 518610, 518612, 518613.
Epomophorus crypturus Peters, 1852:
AMNH: 269181, 269182, 269183, 269184, 269185, 269186, 269187. - **NHMZ:** 54086. - **USNM:** 518605, 518606, 518607, 518608, 518611.
Glauconycteris variegata (Tomes, 1861):
USNM: 518696, 518697.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 54217.
Laephotis botswanae Setzer, 1971:
USNM: 518677, 518678.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 54134. - **USNM:** 518647, 518663, 518672.
Neoromicia nana (Peters, 1852):
USNM: 518652.
Neoromicia rendalli (Thomas, 1889):
USNM: 518669.
Neoromicia zuluensis (Roberts, 1924):
USNM: 518655, 518657.

Nycteris hispida (Schreber, 1774):
USNM: 518626, 518635, 518636, 518784.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 269189, 269190. - **USNM:** 518624, 518625, 518627, 518628, 518629, 518630, 518631, 518632, 518633, 518634.
Nycticeinops schlieffenii (Peters, 1859):
AMNH: 269188.
Pipistrellus rueppellii (Fischer, 1829):
NHMZ: 54103. - **USNM:** 518641, 518642, 518643, 518644.
Pipistrellus rusticus (Tomes, 1861):
HZM: 7.8331. - **NHMZ:** 54104, 54106, 54107, 54108, 54109, 54218, 63997, 63998, 63999. - **USNM:** 518648, 518649, 518650, 518651, 518653, 518654, 518656, 518658, 518659, 518660, 518661, 518662, 518664, 518665, 518666, 518670, 518671, 575922.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 269191, 269192, 269193, 269194, 269195. - **USNM:** 518680, 518681, 518684.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 518682, 518683, 518685.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 518614, 518615, 518616, 518617, 518619, 518620, 518621, 518622, 518623

SE 19023Ac:

Epomophorus crypturus Peters, 1852:
NHMZ: 63710.
Scotophilus leucogaster (Cretzschmar, 1826):
ZMA: MAM.06810

SE 19023Cc:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 63886.
Mops (Mops) midas (Sundevall, 1843):
NHMZ: 62428

SE 19023Ad:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 80204. - **TM:** 48485.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
FMNH: 97211. - **TM:** 48484, 48487.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 64077.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 62937, 62951.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 64161

SE 19023Cd:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 168174, 168175, 168176, 168177, 168178, 168179, 168180, 168181, 168182, 168183, 168184, 168185, 168186, 168187, 168188, 168189, 168190, 168191, 168192, 168193, 168194, 168195, 168196, 168197, 168198, 168199, 168200, 168201, 168202, 168203, 168204, 168205, 168206, 168207, 168208, 168209, 168210, 168211, 168212, 168213, 168214, 168215, 168216, 168217, 168218, 168219, 168220, 168221, 168222, 168223, 168224, 168225, 168226, 168227, 168228, 168229, 168230, 168231, 168232, 168233, 168234, 168235, 168236, 168237, 169479, 218985, 218986, 218987, 218988, 218989, 218990, 218991, 218992, 218993, 218994. - **KU:** 41268, 41269. - **MNHN:** ZM-MO-1969-38, ZM-MO-1969-39. - **MVZ:** 118030, 118031, 118032, 118033, 118034, 118035, 118036, 118037, 118038, 118039. - **ROM:** 62638, 62639, 65046, 65048, 65049, 65050, 65051, 65052, 65053, 65054, 65055, 65056, 65057, 65058, 65059, 91488, 91489, 91490, 91491. - **USNM:** 367778, 367779, 367780, 367781, 367782, 367783, 367784, 367785, 367786, 367787, 367788, 367789, 367790, 367791, 367792, 367793, 367794, 367795, 367796, 367797, 367798, 367799, 367800, 367801.
Epomophorus crypturus Peters, 1852:
FMNH: 38489, 38490, 38491, 38492. - **NHMZ:** 63727. - **SMNS:** 5034. - **TM:** 6556.
Kerivoula lanosa (A. Smith, 1847):
AMNH: 168238.
Macronycteris vittatus (Peters, 1852):
NHMZ: 65201, 65202.
Mops (Mops) midas (Sundevall, 1843):
FMNH: 153008, 153009. - **ROM:** 65008, 65009, 65010, 65011, 65012, 65013, 65014, 65015, 65016, 65017, 65018, 65019, 65020, 65021, 65022, 65023, 65024, 65025, 65026, 65027, 65028, 65029, 65030, 65031, 65032, 65033, 65034, 65035, 65036, 65037, 65038, 65039, 65040, 65041, 65042, 65043. - **SMF:** 45024. - **USNM:** 425370, 425371, 575925, 575926, 575927, 575928.
Mops (Mops) midas midas (Sundevall, 1843):
AMNH: 218979, 218980, 218981, 218982, 218983, 218984.
Neoromicia capensis (A. Smith, 1829):
FMNH: 38471, 38472. - **TM:** 6548.

Nycteris macrotis Dobson, 1876:
NHMZ: 64232.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63371. - **ROM:** 62649. - **USNM:** 479062, 479063, 479064, 479065.
Pipistrellus hesperidus (Temminck, 1840):
TM: 6545.
Pipistrellus rueppellii (Fischer, 1829):
FMNH: 38475, 38476, 38477, 38478, 38479, 38480, 38481. - **TM:** 6540, 6546, 6547.
Pipistrellus rueppellii vernayi Roberts, 1932:
AMNH: 83630. - **MCZ:** 29692.
Scotophilus dinganii (A. Smith, 1833):
USNM: 367754.
Scotophilus leucogaster (Cretzschmar, 1826):
AMNH: 168239

SE 19023Ba:

Neoromicia capensis (A. Smith, 1829):
ROM: 62652.
Neoromicia nana (Peters, 1852):
ROM: 62653, 62654, 62655.
Scotophilus leucogaster (Cretzschmar, 1826):
ROM: 62641, 62642, 62645, 62646, 62647.
Scotophilus viridis (Peters, 1852):
ZMA: MAM.06809

SE 19023Dc:

Epomophorus crypturus Peters, 1852:
NHMZ: 63713

SE 19023Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 64235.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 63216

SE 19024Ac:

Scotophilus Leach, 1821:
TM: 6544

SE 19024Bd:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 80202.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 80201

SE 19024Dd:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 80203

SE 19026Aa:

Scotophilus dinganii (A. Smith, 1833):
USNM: 382685

SE 19026Ac:

Mops (Mops) condylurus (A. Smith, 1833):
USNM: 382692.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 64121. - **USNM:** 382646.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 64096

SE 20026Ab:

Neoromicia capensis (A. Smith, 1829):
TM: 6549

SE 19026Ba:

Epomophorus crypturus Peters, 1852:
FMNH: 152230, 152231, 152232, 152233, 152234, 152235, 152236, 152237, 152238, 152239, 152240, 152241, 152242, 152243, 152244, 152245, 152246, 152247, 152248, 152249, 152250, 152251, 152252, 152253, 152269.
Glauconycteris variegata (Tomes, 1861):
FMNH: 152697, 152698, 152699, 152700, 152701, 152702. - **WNMU:** 6183.
Neoromicia capensis (A. Smith, 1829):
FMNH: 152709, 152710, 152711, 152712, 152713, 152714, 152715, 152716. - **KU:** 135030. - **NHMZ:** 58907. - **WNMU:** 6126, 6127, 6128.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
FMNH: 152582.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 152831, 152832, 152833, 152834, 152835

SE 19026Dd:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64113.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 5331, 60500.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 64152

SE 19027Aa:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58906

SE 19027Ab:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58548.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58908.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58374.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57540, 57558.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59008.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56957

SE 19027Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1908.1.7.6, 1908.1.7.7

SE 19027Bb:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 60448.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 60612.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 68255

SE 19028Ac:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 54112.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 54111.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 54140

SE 19028Cc:

Mops (Mops) midas (Sundevall, 1843):
NHMZ: 34005.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 33998.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 31744

SE 19028Cd:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 3281.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 32844

SE 20028Ab:

Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59191

SE 19028Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1951.632

SE 19028Da:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 2786.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 2781

SE 20028Ba:

Scotophilus dinganii (A. Smith, 1833):
NHMZ: 32857

SE 19028Bd:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 58177

SE 19028Dd:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 6921.
Mops (Mops) midas (Sundevall, 1843):
NHMZ: 31346, 31522, 31523, 31524, 31525, 31526, 31527, 31528

SE 20028Bb:

Epomophorus crypturus Peters, 1852:
FMNH: 152254, 152255, 152256, 152257, 152258, 152259, 152260, 152261, 152262, 152263, 152264, 152265, 152266, 152267, 152268.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58896

SE 19029Bd:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 6934.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58953.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 58371

SE 19029Db:

Neoromicia zuluensis (Roberts, 1924):
NHMZ: 31755.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 31862.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 31857.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 31854.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 31843

SE 20029Bb:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 58955

SE 19030Ac:

Rhinolophus simulator K. Andersen, 1904:
NHMZ: 32827

SE 19030Ca:

Epomophorus crypturus Peters, 1852:
AMNH: 180374.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 31806, 31808, 31809, 31811, 31842.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-1062.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 31807, 31813, 60990, 9868.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 31816.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 31810.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 18. - **NHMZ:** 31817

SE 20030Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 570B6.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 60731.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57519

SE 19030Ad:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59686.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 32700

SE 19030Bc:

Epomophorus crypturus Peters, 1852:
HZM: 22.3968, 24.3970.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 31916.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 82351. - **USNM:** 368611

SE 20030Ba:

Miniopterus inflatus Thomas, 1903:
NHMZ: 59694.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59691.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57052.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59000

SE 19030Db:

Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56985

SE 19031Ca:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 31378.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
NHMZ: 30065.

Neoromicia zuluensis (Roberts, 1924):
NHMZ: 31171.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 30718.
Scotophilus viridis (Peters, 1852):
NHMZ: 31674

SE 19031Cd:

Myotis bocagii (Peters, 1870):
ROM: 64875

SE 19031Ba:

Rhinolophus clivosus Cretzschmar, 1828:
MCZ: 25081

SE 19031Bb:

Myotis bocagii (Peters, 1870):
NHMZ: 80374.
Myotis welwitschii (Gray, 1866):
NHMZ: 80373.
Neoromicia nana (Peters, 1852):
NHMZ: 80372

SE 19032Aa:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 30509, 30510, 30511, 30512, 30513, 30514, 30515, 30516, 30517, 33384, 33385, 33386, 33387, 33388.
Neoromicia nana (Peters, 1852):
NHMZ: 58744, 58745, 58747. - **USNM:** 425308, 425309, 425310, 425311, 425312.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 425276.
Nycteris woodi K. Andersen, 1914:
NHMZ: 30518, 30519.
Rhinolophus blasii Peters, 1867:
NHMZ: 30523.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 33677.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 30521

SE 19032Cc:

Nycteris G. Cuvier and E. Geoffroy, 1795:
TM: 42819.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 64867, 64868, 64869, 64870, 64871, 64872, 64873, 64874, 64876, 64878, 64879, 64880, 64881, 64882, 64883, 64884, 64885, 64886. - **TM:** 8582.
Nycteris woodi K. Andersen, 1914:
TM: 8578, 8579, 8580, 8581, 8747.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
TM: 8576, 8577

SE 20032Aa:

Hypsugo anchietae (Seabra, 1900):
NHMZ: 32954, 32956.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 32965.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 32959.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 32953, 33002.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 32924, 33007.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 32938, 32975.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 33006.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 32921, 32967.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 32937.

Scotophilus viridis (Peters, 1852):
NHMZ: 32972

SE 19032Ad:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58546, 58554

SE 19032Cd:

Neoromicia nana (Peters, 1852):
NHMZ: 58723. - **ROM:** 64866. - **USNM:** 479478.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 425285.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 80272, 80273, 80274, 80275, 80276

SE 19032Ba:

Eidolon helvum (Kerr, 1792):
NHMZ: 59729.
Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 32279.
Myotis welwitschii (Gray, 1866):
NHMZ: 57882.
Neoromicia capensis (A. Smith, 1829):
HZM: 30.4104. - **NHMZ:** 58882.
Neoromicia nana (Peters, 1852):
MCZ: 37310, 47497. - **TM:** 8583, 8585, 8586, 8587.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57035.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 58355

SE 19032Bc:

Sauromys petrophilus (Roberts, 1917):
NHMZ: 59839

SE 19032Da:

Macronycteris vittatus (Peters, 1852):
NHMZ: 65150.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57008

SE 20032Ba:

Myonycteris angolensis goliath (Bergmans, 1997):
NHMZ: 31153.
Neoromicia nana (Peters, 1852):
NHMZ: 58749

SE 19032Bb:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58533. - **USNM:** 368609.
Neoromicia nana (Peters, 1852):
DNSM: 34, 35, 36. - **USNM:** 425289, 425290.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 95145, 95146.
Rhinolophus darlingi K. Andersen, 1905:
USNM: 425283.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
USNM: 425284

SE 19032Bd:

Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 58956.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 60472

SE 19032Db:

Neoromicia nana (Peters, 1852):
USNM: 425325, 425326.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 58812.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 58329. - **USNM:** 425287.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57523

SE 19032Dd:

Neoromicia nana (Peters, 1852):
TM: 7711, 7712

SE 19033Aa:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 9867.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 11511

SE 19033Cc:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58845.
Neoromicia nana (Peters, 1852):
NHMZ: 58763.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 63966

SE 20033Aa:

Epomophorus wahlbergi (Sundevall, 1846):
NHMZ: 31529.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 31530

SE 19033Dd:

Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 8652.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 8620.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 8495.
Triaenops afer Peters, 1877:
DNSM: 8635

SE 20033Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 64244

SE 19034Ac:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 365465.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 51072.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 365532, 365533, 365534, 365535, 365536, 365537, 365538, 365539, 365540, 365541, 365542, 365543, 365544, 365545, 365546, 365547, 365548, 365549, 365550, 365551, 365552, 365553, 365554, 365555, 365556, 365557, 365558, 365559, 365560, 365561, 365562, 365563, 365564, 365565, 365566, 365567, 365568, 365569, 365570, 365571, 365572, 365573, 365574, 365575, 365576, 365577, 365578, 365579, 367638, 367639, 367640, 367641, 367642, 367643, 367644, 367645.
Neoromicia nana (Peters, 1852):
ROM: 51073, 51074, 51075

SE 19034Ad:

Mops (Mops) condylurus (A. Smith, 1833):
USNM: 365467

SE 19034Cb:

Mops (Mops) condylurus (A. Smith, 1833):
ROM: 51090.
Pipistrellus rueppellii (Fischer, 1829):
ROM: 51088.
Scotophilus viridis (Peters, 1852):
ROM: 51087, 51089

SE 19034Da:

Epomophorus crypturus Peters, 1852:
BMNH: 1907.6.2.10.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1907.6.2.9.
Miniopterus fraterculus Thomas and Schwann, 1906:
USNM: 365456.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 365594, 365595, 365596, 365597, 365598, 365599, 365600, 365601, 365602, 365603, 365604, 365605, 365606, 365607, 365608, 365609, 365610, 365611, 365612, 365613, 365614, 365615, 365616, 365617, 365618, 365619, 365620, 365621, 365622, 365623, 365624, 365625, 365626, 365627, 365628, 365629, 365630, 365631, 365632, 365633, 365634, 365635, 365636, 365637, 365638, 365639, 365640, 365641, 365642, 365643, 365644, 365645, 365646, 365647, 365648, 365649, 365650, 365651, 365652, 365653, 365654, 365655, 365656, 365657, 365658.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 51069, 51070, 51071.
Rhinolophus Lacépède, 1799:
USNM: 367646.
Rhinolophus darlingi K. Andersen, 1905:
USNM: 365203.
Rhinolophus fumigatus Rüppell, 1842:
DNSM: 719.
Rhinolophus lobatus Peters, 1852:
ROM: 51066, 51067, 51068.
Scotophilus Leach, 1821:
TM: 1092.
Scotophilus dinganii (A. Smith, 1833):
TM: 41051, 41052, 41053, 41054

SE 19034Bd:

Epomophorus wahlbergi (Sundevall, 1846):
USNM: 365135.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 365581, 365582, 365583, 365584, 365585, 365586, 365587, 365588, 365589, 365590, 365591, 365592, 365593.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 365458, 365459

SE 19034Db:

Macronycteris vittatus (Peters, 1852):
TM: 1027

SE 19034Dd:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 365466.
Epomophorus crypturus Peters, 1852:
USNM: 367454.
Epomophorus wahlbergi (Sundevall, 1846):
HZM: 16.4237. - **ROM:** 51076, 51077, 51081, 51082, 51083, 51084, 51085, 51086, 51096, 51097, 51098, 51099, 51101, 51102. - **TM:** 6208.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 63864. - **USNM:** 365580.
Neoromicia nana (Peters, 1852):
ROM: 51078, 51079, 51080, 51100.
Scotophilus Leach, 1821:
BMNH: 1907.6.2.18, 1907.6.2.19, 1907.6.2.20.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
USNM: 365457

SE 19044Cd:

Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
FMNH: 34187

SE 19044Ba:

Rousettus madagascariensis G. Grandidier, 1929:
UADBA: 33646

SE 19044Da:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 221451, 221452, 221453, 221455, 221457, 221458. - **UADBA:** 33648.
Mops (Mops) leucostigma (G.M. Allen, 1918):
FMNH: 218122, 218123, 218124, 218125, 218126. - **UADBA:** 50247, 50248, 50249, 50250

SE 19044Dc:

Miniopterus manavi Thomas, 1906:
FMNH: 75772, 75773.
Mops (Mops) leucostigma (G.M. Allen, 1918):
FMNH: 218112, 218113, 218115. - **MNHN:** ZM-MO-1985-400, ZM-MO-1985-401, ZM-MO-1985-402, ZM-MO-1985-403, ZM-MO-1985-404.
Mormopterus jugularis (Peters, 1865):
MNHN: ZM-MO-1984-166, ZM-MO-1984-167.
Paratriaenops furculus (Trouessart, 1907):
MNHN: ZM-MO-1985-405

SE 19044Bb:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 172745, 172747, 172748, 172755, 172756, 172757, 172758, 172760.
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009:
FMNH: 172825, 172839, 172840, 172853, 172854, 172863, 172866, 172873, 172874.
Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009:
FMNH: 172867.
Miniopterus griveaudi Harrison, 1959:
FMNH: 172808, 172809, 172810, 172811, 172812, 172813, 172814, 172815, 172816, 172817, 172818, 172819, 172820, 172821, 172822, 172823, 172824, 172826, 172827, 172828, 172829, 172830, 172831, 172832, 172833, 172834, 172835, 172836, 172837, 172838, 172841, 172842, 172843, 172844, 172845, 172846, 172848, 172850, 172852, 172855, 172856, 172857, 172865, 221445, 221446, 221447, 221450. - **UADBA:** 32666, 32667.
Myotis goudoti (A. Smith, 1834):
FMNH: 172790, 172796, 172797, 172798, 172799, 172800, 172801, 172802, 172803, 172804, 172805, 172806, 172807.
Otomops madagascariensis Dorst, 1953:
FMNH: 221433, 221434. - **UADBA:** 33641.
Paremballonura tiavato (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006):
UADBA: RBJ-157, RBJ-158, RBJ-162.
Rousettus madagascariensis G. Grandidier, 1929:
FMNH: 221431.
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005:
UADBA: 46923

SE 19044Db:

Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
MCZ: 16337, 16341

SE 19045Cb:

Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
MCZ: 16343

SE 19047Ca:

Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007:
FMNH: 177261, 177262, 177263, 177264, 177265, 177266, 177267, 177268, 177269, 177270, 177271, 177272, 177273, 177274, 177293

SE 19047Ab:

Eidolon dupreanum (Schegel, 1867):
ROM: 41973.
Mormopterus jugularis (Peters, 1865):
ROM: 41975, 41976, 41977, 41978, 41979, 41980, 41981, 41982, 41983, 41984, 41985

SE 19047Ad:

Eidolon dupreanum (Schegel, 1867):
AMNH: 100840. - **MNHN:** ZM-MO-1932-3400, ZM-MO-1932-3404

SE 19047Db:

Miniopterus majori Thomas, 1906:
FMNH: 166135, 166188, 166189, 166190, 166191, 166192. - **UADBA:** SMG-10453, SMG-10454

SE 19048Ab:

Myotis goudoti (A. Smith, 1834):
FMNH: 204432, 204433.
Neoromicia matroka (Thomas and Schwann, 1905):
ROM: 42073, 42074, 42075, 42076, 42077, 42078, 42079, 42080, 42081, 42082, 42083, 42084, 42085, 42086, 42087, 42091, 42100, 42102, 42108

SE 20057Aa:

Mormopterus acetabulosus (Hermann, 1804):
MNHN: ZM-MO-1984-1149 bis, ZM-MO-1984-1150, ZM-MO-1984-1151, ZM-MO-1984-1152, ZM-MO-1984-1153, ZM-MO-1984-1154, ZM-MO-1984-1156, ZM-MO-1984-1157, ZM-MO-1984-1158

SE 19057Dd:

Pteropus rodricensis Dobson, 1878:
BMNH: 1925.8.10.1

SE 19063Cb:

Pteropus rodricensis Dobson, 1878:
BMNH: 1876.3.11.1, 1876.3.11.2, 1876.3.11.3, 1876.3.11.5, 1876.3.15.14, 1876.3.15.15, 1934.7.2.66, 1934.7.2.67, 1936.6.24.3, 1936.6.24.5, 1979.155, 1979.156. - **RMNH:** MAM.37227, MAM.37228. - **SMF:** 44785, 54964. - **ZMA:** MAM.21526, MAM.21880, MAM.24198

SE 19063Dc:

Pteropus rodricensis Dobson, 1878:
NMR: 999000000886

SE 20013Cd:

Cistugo seabrae Thomas, 1912:
TM: 31277

SE 20013Dc:

Cistugo seabrae Thomas, 1912:
SMW: 9757.
Sauromys petrophilus (Roberts, 1917):
SMW: 12484

SE 20014Da:

Chaerephon pumilus (Cretzschmar, 1826):
SMW: 13638, 13643, SM-C10 027.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 10029, SM-C10 029

SE 20014Dc:

Chaerephon pumilus (Cretzschmar, 1826):
SMW: 13639, 13640, 13642.
Sauromys petrophilus (Roberts, 1917):
SMW: 13641.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 10016

SE 20014Bd:

Neoromicia capensis (A. Smith, 1829):
TM: 9477

SE 20015Cd:

Eptesicus hottentotus (A. Smith, 1833):
LACM: 52698, 56268.
Hipposideros caffer (Sundevall, 1846):
LACM: 52731.
Miniopterus natalensis (A. Smith, 1833):
LACM: 52699.
Neoromicia capensis (A. Smith, 1829):
LACM: 56234.
Scotophilus leucogaster (Cretzschmar, 1826):
LACM: 56285

SE 20015Ba:

Hipposideros caffer (Sundevall, 1846):
SMW: 11962

SE 20015Da:

Sauromys petrophilus (Roberts, 1917):
USNM: 537301

SE 20015Dc:

Hipposideros caffer (Sundevall, 1846):
SMW: 7856

SE 20015Bb:

Miniopterus natalensis (A. Smith, 1833):
SMW: 14579.
Neoromicia capensis (A. Smith, 1829):
KM: 2148.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 28193.
Sauromys petrophilus (Roberts, 1917):
KM: 28296

SE 20015Bd:

Eidolon helvum (Kerr, 1792):
SMW: 2726.
Rhinolophus damarensis Roberts, 1946:
SMW: 7851.
Rhinolophus denti Thomas, 1904:
KM: 28198.
Sauromys petrophilus (Roberts, 1917):
KM: 28323.
Scotophilus dinganii (A. Smith, 1833):
KM: 28222

SE 20016Aa:

Hipposideros caffer (Sundevall, 1846):
KM: 28207.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1953.22, 1953.23, 1953.24. - **SMNS:** 17471, 17472

SE 20016Ad:

Neoromicia zuluensis (Roberts, 1924):
KM: 28210.
Rhinolophus damarensis Roberts, 1946:
BMNH: 1935.1.6.18.
Rhinolophus fumigatus Rüppell, 1842:
KM: 28206.
Sauromys petrophilus (Roberts, 1917):
KM: 28272, 28273, 28274, 28275, 28276, 28277, 28278, 28279, 28280, 28281, 28282, 28283, 28284, 28285, 28286, 28287, 28288, 28289, 28290, 28291, 28292, 28293, 28294, 28295.
Scotophilus dinganii (A. Smith, 1833):
KM: 28216.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 28324

SE 20016Cd:

Neoromicia zuluensis (Roberts, 1924):
SMW: 7845.
Scotophilus dinganii (A. Smith, 1833):
SMW: 7847.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 7848, 7849

SE 20016Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 2682.
Rhinolophus fumigatus Rüppell, 1842:
SMW: 2683

SE 20016Dd:

Neoromicia capensis (A. Smith, 1829):
LACM: 56244

SE 20017Ad:

Rhinolophus Lacépède, 1799:
MCZ: 34906

SE 20017Cb:

Hipposideros caffer (Sundevall, 1846):
SMW: 4331.
Rhinolophus damarensis Roberts, 1946:
SMW: 4311.
Rhinolophus fumigatus Rüppell, 1842:
SMW: 4280.
Scotophilus Leach, 1821:
SMW: 4291

SE 20017Da:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 11499, 4333

SE 21017Ba:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1838.2.8.4

SE 20017Bd:

Neoromicia capensis (A. Smith, 1829):
MCZ: 34908.
Neoromicia zuluensis (Roberts, 1924):
MCZ: 34898, 34899.
Rhinolophus Lacépède, 1799:
MCZ: 34903, 34904, 34905, 34907.
Rhinolophus fumigatus Rüppell, 1842:
MCZ: 34901, 34902

SE 20020Ca:

Scotophilus Leach, 1821:
SMW: 12330, 12339, 12349, 12350, 12351, 12372, 12383, 12384, 12388, 12389

SE 20020Bc:

Neoromicia capensis (A. Smith, 1829):
USNM: 295193

SE 20020Da:

Chaerephon nigeriae Thomas, 1913:
SMW: 12427.
Mops (Mops) midas (Sundevall, 1843):
SMW: 12352.

Neoromicia capensis (A. Smith, 1829):
SMW: 12408.
Scotophilus Leach, 1821:
SMW: 12425, 12426

SE 20020Bb:

Neoromicia capensis (A. Smith, 1829):
USNM: 295194.
Scotophilus dinganii (A. Smith, 1833):
USNM: 295192

SE 20020Bd:

Scotophilus dinganii (A. Smith, 1833):
USNM: 448331, 448332, 448333, 448334, 448335, 448336

SE 20021Ab:

Macronycteris vittatus (Peters, 1852):
NHMZ: 63379, 63380, 63381, 63382, 63383, 63391, 63392, 63393, 63394, 63395, 65197, 65198, 65199, 65200. - **SMF:** 54260, 54261, 54262, 54263, 54264, 54265, 54266, 54267, 54268, 54269, 54270, 54271, 54272, 54273, 54274, 54275, 54276, 54277, 54278, 54279, 54280, 54281, 54282, 54283, 54284, 54285, 54286, 54287, 54288, 54289, 54290, 54291, 54292, 54293, 54294, 54295, 54296, 54297, 54298, 54299, 54300, 54301, 54302, 54303, 54304, 54305, 54306, 54307, 54308, 54309, 54310, 54311, 54312, 54313, 54314, 54315, 54316, 54317, 54318, 54319, 54320, 54321, 54322, 54323, 54324, 54325, 54326, 54327, 54328, 54329, 54330, 54331, 54332, 54333, 54334, 54335, 54336, 54337, 54338, 54339, 54340, 54341, 54342, 54343. - **TM:** 14754. - **USNM:** 322844, 322845, 322846, 322847, 322848, 322849, 322850, 322851, 322852, 322853, 322898, 322899, 322900, 322901, 322902, 322903, 322904, 322905, 322906, 322907, 322908, 322909, 322910, 322911, 322912, 322914, 322915, 322916, 322917, 322918, 367697, 367698, 367699, 367700, 367701, 367702, 367703, 367704, 367705, 367706, 367707, 367708, 367709, 367710, 367711, 367712, 367713, 367714, 367715, 367716, 367717, 367718, 368672, 368673, 368674, 368675, 368676.
Neoromicia capensis (A. Smith, 1829):
SMF: 54257.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63316. - **SMF:** 54255, 54256. - **USNM:** 322841, 322842, 322843, 322888, 322889, 322890, 322891, 322892, 322893, 322894, 322895, 322896, 322897, 332843, 36676, 367675, 367676, 367677, 367678, 367679, 367680, 367681, 367682, 368648, 368649, 368650, 368651, 368652, 368653, 368654, 425271, 425272, 425273, 425274, 425275, 479012, 479013, 479014, 479015, 479016, 479017, 479018, 479019, 479020, 479021, 479022, 479023, 479024, 479025, 479026, 479027, 479028, 479029, 479030, 479031, 479032, 479033, 479034, 479035, 479036, 479037, 479038, 479039, 479040, 479041, 479042, 479043, 479044, 479045, 479046, 479047, 479048, 479049, 479050, 479051, 479052, 479053, 479054, 479055, 479056, 479057, 479066, 479067, 479068, 479069, 479070, 479071, 479072, 479073, 479074, 479075, 479076, 479077, 479078, 479079, 479080, 479081, 479082, 479083, 479084, 479085, 479086, 479087, 479088, 479089, 479090.
Rhinolophus denti Thomas, 1904:
NHMZ: 62082. - **SMF:** 54254. - **TM:** 41011, 41012. - **USNM:** 322840, 322855, 322856, 322857, 322858, 322859, 322860, 322861, 322862, 322863, 322864, 322865, 322866, 322867, 322868, 322869, 322870, 322871, 322872, 322873, 322874, 322875, 322876, 322877, 322878, 322879, 322880, 322881, 322882, 322883, 322884, 322885, 322886, 322887, 367683, 367684, 367685, 367686, 367687, 367688, 367689, 367690, 367691, 367692, 367693, 367694, 367695, 368655, 368656, 368657, 368658, 368659, 368660, 368661, 368662, 368663, 368664, 368665, 368666, 368667, 368668, 368669, 368670, 368671, 425279, 425280, 425281, 575819, 575820, 575821, 575822, 575823, 575824, 575825, 575826, 575827, 575828, 575829, 575830, 575831, 575832, 575833, 575834, 575835, 575836, 575837, 575838, 575839, 575840, 575841, 575842, 575843, 575844, 575845, 575846, 575847, 575848, 575849, 575850, 575851, 575852, 575853, 575854, 575855, 575856, 575857, 575858, 575859, 575860, 575861, 575862, 575863, 575864, 575865, 575866, 575867, 575868, 575869, 575870, 575871, 575872, 575873, 575874, 575875, 575876, 575877, 575878, 575879, 575880, 575881, 575882, 575883, 575884, 575885, 575886, 575887, 575888, 575889, 575890, 575891, 575892, 575893, 575894, 575895, 575896, 575897, 575898, 575899, 575900, 575901, 575902, 575903, 575904, 575905, 575906, 575907, 575908, 575909, 575910, 575911, 575912, 575913, 575914, 575915, 575916, 575917, 575918, 575919, 575920, 575921

SE 20021Ba:

Macronycteris vittatus (Peters, 1852):
USNM: 295191.
Rhinolophus denti Thomas, 1904:
NHMZ: 64259

SE 20021Da:

Mops (Mops) condylurus (A. Smith, 1833):
USNM: 382689

SE 20022Ab:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 80929. - **USNM:** 367802, 367803, 367804, 367805, 367806, 367807, 367808, 367809, 367810, 367811, 367812, 367813, 367814, 367815, 367816, 367817, 367842, 367843

SE 20022Bc:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64115. - **USNM:** 367737.
Scotophilus dinganii (A. Smith, 1833):
USNM: 367761.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 367755.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63744

SE 20022Da:

Chaerephon nigeriae Thomas, 1913:
NHMZ: 6387s.
Hipposideros caffer (Sundevall, 1846):
TM: 39268.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 382690, 382691.
Mops (Mops) midas (Sundevall, 1843):
USNM: 382694.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 64095. - **USNM:** 367736, 367738, 367739, 367740, 367741, 367742, 367743, 367744, 367745, 382652, 382653, 382654, 382655.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1910.6.3.78.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 367756, 367757, 367758, 367759, 367760, 367762, 367763, 367764, 367765, 367766, 367767, 367768, 367769, 367770, 367771, 367772, 367773, 367774, 382678

SE 20022Dc:

Neoromicia capensis (A. Smith, 1829):
USNM: 367746

SE 20022Bb:

Mops (Mops) midas (Sundevall, 1843):
NHMZ: 63810

SE 20022Bd:

Mops (Mops) condylurus (A. Smith, 1833):
USNM: 382688.
Mops (Mops) midas (Sundevall, 1843):
USNM: 382693.
Neoromicia capensis (A. Smith, 1829):
USNM: 382650, 382651

SE 20023Ac:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMNS: 29335

SE 20023Bd:

Chaerephon nigeriae Thomas, 1913:
NHMZ: 63879.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 80207.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 32850

SE 20024Cd:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64151

SE 21024Ba:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64075

SE 21024Bb:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64143.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 64035

SE 20025Ad:

Neoromicia capensis (A. Smith, 1829):
HZM: 32.4380, 33.4383, 34.4384. - **ZFMK:** 1965.0534, 1965.0535, 1965.0536.
Sauromys petrophilus (Roberts, 1917):
ROM: 65044, 65045.
Scotophilus dinganii (A. Smith, 1833):
ZFMK: 1965.0537, 1965.0539, 1965.0638

SE 20025Bb:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64076.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 64028.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 64173

SE 20025Bd:

Scotophilus dinganii (A. Smith, 1833):
NHMZ: 64160

SE 21025Bb:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64149

SE 20026Aa:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64074. - **USNM:** 367748, 367749, 367750, 367751.
Neoromicia somalica (Thomas, 1901):
USNM: 367752, 367753

SE 20026Ac:

Neoromicia capensis (A. Smith, 1829):
FMNH: 38474

SE 20026Da:

Scotophilus dinganii (A. Smith, 1833):
NHMZ: 64188

SE 21027Ab:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63338

SE 20027Dc:

Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 64253.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 64162

SE 20027Bd:

Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59215.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 84409

SE 20028Ac:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58895

SE 20028Cc:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58898.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 60728, 60729.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57547.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 59835.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59085.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 59935

SE 21028Aa:

Neoromicia capensis (A. Smith, 1829):
HZM: 17.2737

SE 20028Ad:

Rhinolophus darlingi K. Andersen, 1905:
ROM: 70872.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 62009

SE 20028Cb:

Eidolon helvum (Kerr, 1792):
NHMZ: 59814.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 33803.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57084.
Nycteris woodi K. Andersen, 1914:
NHMZ: 82357.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 60734, 60768.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 30078, 57517.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 30484, 32816, 63762.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59077, 59125.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56977

SE 20028Ba:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 59908.
Cloeotis percivali Thomas, 1901:
USNM: 154589.
Eidolon helvum (Kerr, 1792):
NHMZ: 13103.
Epomophorus crypturus Peters, 1852:
HZM: 1.376. - **NHMZ:** 55972, 7174.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58541, 63510, 63511, 63512, 63513, 63514, 63515, 63516. - **USNM:** 154586.
Macronycteris vittatus (Peters, 1852):
NHMZ: 65146, 9846.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 34014. - **USNM:** 154587.
Myotis tricolor (Temminck, 1832):
NHMZ: 58156.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 27182, 57615, 58875, 9826.
Neoromicia zuluensis (Roberts, 1924):
BMNH: 1908.8.16.2.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57078. - **USNM:** 154588.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 33894.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 68268.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 57614.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 21. - **NHMZ:** 62201. - **USNM:** 154585.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 13104.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 8994. - **USNM:** 154590.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 32131, 56311.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 55621.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56962, 9825

SE 20028Bc:

Hipposideros caffer (Sundevall, 1846):
ROM: 64624, 64625, 64626, 64627, 64628, 64629, 64630, 64631, 64632, 64633, 64634, 64635, 64636, 64637, 64638, 64639, 64640, 64641, 64642, 64643, 64644, 64645, 64646, 64668, 64669, 64670, 64671.
Macronycteris vittatus (Peters, 1852):
NHMZ: 67041, 67042, 67043.
Miniopterus natalensis (A. Smith, 1833):
ROM: 64648, 64649, 64650, 64651, 64652, 64653, 64654, 64655, 64656, 64657, 64659, 64672, 64678, 64679, 64680, 64681, 64682, 64683, 64688, 64689, 64690, 64691, 64692, 64693, 64694, 64695, 64696, 64697, 64698, 64699, 64700, 64701, 64702, 64703, 64704, 64705.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 33362.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 64658, 64675.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 65240. - **ROM:** 64676.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
ROM: 64647, 64673, 64674.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 30002

SE 20028Da:

Epomophorus crypturus Peters, 1852:
NHMZ: 30067.
Miniopterus natalensis (A. Smith, 1833):
TM: 35009.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58897.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 59652.
Rhinolophus blasii Peters, 1867:
NHMZ: 29989, 32324.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 32393, 60452.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 33383.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 32314, 59389, 60449. - **TM:** 35008, 35023, 35024.
Sauromys petrophilus (Roberts, 1917):
DNSM: 3693. - **NHMZ:** 30683. - **TM:** 35029, 35030, 35031, 35032.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59087. - **TM:** 35010, 35011, 35012, 35013, 35014, 35033, 35034, 35035, 35036.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 60002

SE 20028Bb:

Cloeotis percivali Thomas, 1901:
NHMZ: 56205, 56526.
Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 58196.

Hipposideros caffer (Sundevall, 1846):
NHMZ: 32151, 32152, 32153, 32154, 32155, 32156, 32157, 32158, 32159, 32160, 32205, 32206, 32207, 32208, 32209, 32210, 32211, 32212, 32213, 32214, 32215, 32216, 32217, 32218, 32219, 32220, 32221, 32222, 32253, 32266, 32267, 32268, 32269, 32270, 32271, 32272, 32273, 32274, 32275, 32276, 32277, 32326, 32327, 32328, 32329, 32330, 32331, 32332, 32333, 32334, 32363, 32364, 32365, 32366, 32367, 32368, 32369, 32388, 32389, 32390, 32391, 32392, 32672, 32673, 32674, 32877, 32878, 32879, 32880, 32881, 32882, 32883, 32884, 33295, 33296, 33297, 33298, 33428, 56298, 56299, 56300, 56301, 56302, 56305, 56525, 58540, 58602, 58603, 58604, 80907, 80908, 80909, 80910, 80911, 80912, 80913.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 56297.
Myotis tricolor (Temminck, 1832):
NHMZ: 56304, 58157.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 31750.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 81513.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 32351.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 32335.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 32263, 56336.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 56353.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 30697.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56337

SE 20028Bd:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 32355, 55633, 55634, 80145, 80146, 80147, 80148, 80149.
Macronycteris vittatus (Peters, 1852):
NHMZ: 54164.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 32705, 82356.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 61149, 63157, 68258. - **TM:** 39424, 39425. - **USNM:** 470254.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 30482, 32385.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 32183, 3453, 55636, 81542, 82360.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 32186, 32223, 32358, 32394, 80161, 81515.
Rhinolophus lobatus Peters, 1852:
NHMZ: 81514.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 32297, 32357, 63163, 80150, 80243, 81511.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 30475.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 30464.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59118, 63164, 68256.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 30496

SE 20028Db:

Epomophorus crypturus Peters, 1852:
NHMZ: 31427.
Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 30022.
Laephotis botswanae Setzer, 1971:
NHMZ: 29592, 29992.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 30686, 31430.
Myotis tricolor (Temminck, 1832):
NHMZ: 29896, 30678.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 29598, 30020, 30684.
Neoromicia nana (Peters, 1852):
NHMZ: 30687.
Neoromicia zuluensis (Roberts, 1924):

NHMZ: 29596, 29993.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 30483.
Rhinolophus blasii Peters, 1867:
NHMZ: 29595, 29895.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 30679.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 29891.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 30084, 31429.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 30685.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 30680.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 30466, 30674

SE 20029Ac:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 31426.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 32287.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 32284, 80244

SE 20029Ca:

Rhinolophus blasii Peters, 1867:
NHMZ: 12701, 12703, 12704, 12706, 12707, 12710, 12713

SE 20029Cc:

Rhinolophus blasii Peters, 1867:
NHMZ: 62156, 62157.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 62196

SE 20029Ab:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 59411, 59412, 59413, 59414, 59415, 59416

SE 20029Cb:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 12709, 12712, 12714, 12715, 12733.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1957.350. - **NHMZ:** 12718.
Rhinolophus blasii Peters, 1867:
HZM: 3.3366.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 12699.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 12690

SE 20029Bd:

Cloeotis percivali Thomas, 1901:
HZM: 1.2601.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57571

SE 20029Db:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 6917.
Kerivoula lanosa (A. Smith, 1847):
NHMZ: 29664.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 30489.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 30485.
Rhinolophus rhodesiae Roberts, 1946:

NHMZ: 29665, 29666, 30500

SE 20030Ac:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59622.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 60705

SE 20030Ba:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58591, 58592, 58594.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57048, 57165.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58432, 58434.
Rhinolophus lobatus Peters, 1852:
NHMZ: 58431.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57568, 58276, 58295.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59174.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56971

SE 20030Bc:

Hypsugo anchietae (Seabra, 1900):
NHMZ: 30076.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 30073.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 30075.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 30079.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 30077

SE 20030Da:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 30027.
Chaerephon bivittatus (Heuglin, 1861):
NHMZ: 29640.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 58846.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 30081.
Tadarida fulminans (Thomas, 1903):
NHMZ: 30028, 30080.
Tadarida ventralis (Heuglin, 1861):
NHMZ: 29639

SE 20030Bb:

Macronycteris vittatus (Peters, 1852):
NHMZ: 65149.
Miniopterus fraterculus Thomas and Schwann, 1906:
ROM: 70848, 70850, 70852.
Miniopterus natalensis (A. Smith, 1833):
ROM: 70851.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63529. - **USNM:** 470240, 470241, 470242, 470243, 470244, 470245, 470246, 470247, 470248, 470249, 470250, 470251.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58428.
Rhinolophus lobatus Peters, 1852:
NHMZ: 58443.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
ROM: 70838, 70839, 70840, 70841, 70842, 70843, 70844, 70845, 70846, 70847.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56959

SE 20030Bd:

Cloeotis percivali Thomas, 1901:
NHMZ: 58497, 58498.
Epomophorus crypturus Peters, 1852:
AMNH: 245127, 245128, 245129, 245130, 245131, 245132, 245133, 245134, 245135, 245136. - **ROM:** 70822.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58527, 58528, 58543, 58544, 58593, 58640, 58641, 58642, 58643, 58644, 58645, 58646, 58647, 58648, 58649, 58650, 58651, 58652, 58653, 58654, 58655, 58656, 58657, 58658, 58659, 58660, 58661, 58662, 58663, 58664, 58665, 58666, 58667, 58668, 58669. - **ROM:** 64947, 64948, 64956, 64958, 64959, 70862, 70863, 70864, 70865, 70866, 70867, 70868, 70869, 70870.
Kerivoula argentata Tomes, 1861:
NHMZ: 60524.
Macronycteris vittatus (Peters, 1852):
NHMZ: 65162.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58862, 58932. - **ROM:** 64967.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57162, 57234. - **ROM:** 64949, 64950, 64952, 64953, 64954, 64955, 64960, 64961, 64962, 64963, 64964, 64968, 70855, 70856, 70857, 70858, 70859, 70860, 70861.
Rhinolophus blasii Peters, 1867:
NHMZ: 59659, 62075, 62076.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 34593.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58396, 83850. - **ROM:** 70853, 70854. - **TM:** 34592. - **USNM:** 470252.
Rhinolophus denti Thomas, 1904:
ROM: 64957.
Rhinolophus rhodesiae Roberts, 1946:
ROM: 64951.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57531, 57562.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 245140, 245141, 245142, 245143, 245144, 245145, 245146, 245147, 245148, 245149. - **DNSM:** 3665. - **FMNH:** 152377, 152378, 152379, 152380, 152381, 152382, 152383, 152384, 152385, 152386, 152387. - **NHMZ:** 83859. - **ROM:** 70828, 70829, 70830, 70831, 70832, 70833, 70834, 70835, 70836, 70837. - **TM:** 34578, 34579, 34580, 34581, 34582, 34583, 34584, 34585, 34586, 34587, 34588, 34589, 34590, 34591.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 245168, 245169, 245170, 245171, 245172, 245173. - **NHMZ:** 59014, 59038.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56951

SE 20031Aa:

Epomophorus crypturus Peters, 1852:
ROM: 64004, 64987, 64988, 64996, 64997, 65004.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 64978.
Eptesicus hottentotus (A. Smith, 1833):
ROM: 65002.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 63007.
Neoromicia capensis (A. Smith, 1829):
ROM: 64975.
Neoromicia nana (Peters, 1852):
ROM: 64999, 65000.
Rhinolophus blasii Peters, 1867:
ROM: 64583-a.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 64972.
Rhinolophus rhodesiae Roberts, 1946:
ROM: 65001.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
ROM: 64974, 64979, 64980, 64985, 64986, 64989, 64990, 64991.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 64984, 64998.
Tadarida aegyptiaca bocagei (Seabra, 1900):
ROM: 64981, 64982

SE 20031Cb:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 59468

SE 21031Ab:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58954

SE 20031Dc:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 58931

SE 21031Ba:

Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59143, 59148

SE 20032Aa:

Neoromicia zuluensis (Roberts, 1924):
NHMZ: 33816.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 32974

SE 20032Ac:

Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 81185.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 32964

SE 20032Ab:

Epomophorus crypturus Peters, 1852:
BMNH: 1966.6154.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58560, 58561.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57011.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57535

SE 20032Ad:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 81202.
Epomophorus crypturus Peters, 1852:
KM: 17573. - **TM:** 10754.
Epomophorus wahlbergi (Sundevall, 1846):
USNM: 470239.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 6926.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 81868.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 81867.
Scotophilus leucogaster (Cretzschmar, 1826):
NHMZ: 81857

SE 20032Cb:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 91412, 91413, 91414, 91415, 91416, 91417, 91418, 91419, 91420, 91421, 91422, 91423, 91424, 91425, 91426, 91427, 91428, 91429, 94369, 94370, 94371, 94372, 94373, 94374.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 5498.
Neoromicia nana (Peters, 1852):
ROM: 65108, 65109.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 65111.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 65110.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ROM: 80269, 80270, 80271

SE 20032Ba:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 38451.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: 38450, 42713, 42714, 42715, 42716, 42717, 42719, 42720

SE 20032Bc:

Epomophorus wahlbergi (Sundevall, 1846):
USNM: 425264.
Hipposideros caffer (Sundevall, 1846):
USNM: 425288.
Myotis tricolor (Temminck, 1832):
TM: 34606, 34637.
Myotis welwitschii (Gray, 1866):
TM: 3977.
Neoromicia nana (Peters, 1852):
CM: 6279, 6281, 6287, 6288, 6289, 6290, 6293, 6299. - **MCZ:** 25095, 25096, 25097, 25098, 25099, 25100, 25101, 34034, 34035, 37311. - **NHMZ:** 63149. - **TM:** 34607, 34608, 34609, 34629, 41044, 7710, 7713, 8589. - **USNM:** 425291, 425292, 425293, 425294, 425295, 425296, 425297, 425298, 425299, 425300, 425301, 425302, 425303, 425304, 425305, 425306, 425307, 425313, 425314, 425315, 425316, 425317, 425318, 425319, 425320, 425321, 425322, 425323, 479437, 479439, 479440, 479441, 479442, 479443, 479444, 479445, 479446, 479447, 479448, 479449, 479450, 479451, 479452, 479453, 479454, 479455, 479456, 479457, 479458, 479459, 479460, 479461, 479462, 479463, 479464, 479465.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 425277.
Pipistrellus hesperidus (Temminck, 1840):
TM: 34634.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 58352.
Scotophilus dinganii (A. Smith, 1833):
TM: 34635, 34636

SE 20032Bb:

Epomophorus wahlbergi (Sundevall, 1846):
NHMZ: 30048. - **TM:** 34794, 34795.
Myonycteris angolensis goliath (Bergmans, 1997):
NHMZ: 30055.
Myotis tricolor (Temminck, 1832):
NHMZ: 30058, 59655, 59656, 596S6. - **TM:** 34761, 34780, 34781, 34790.
Neoromicia nana (Peters, 1852):
NHMZ: 30536. - **TM:** 34769, 34782, 34783, 34788. - **USNM:** 479474, 479475, 479476, 479477, 479479, 479480, 479481, 479482, 479483, 479484.
Nycteris grandis Peters, 1865:
USNM: 425278.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 34676.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 59650. - **TM:** 34767, 34768, 34778, 34779.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 30059. - **TM:** 34760, 34789.
Rhinolophus darlingi K. Andersen, 1905:
TM: 34766.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 30056. - **TM:** 34762, 34792, 34793.
Scotophilus Leach, 1821:
NHMZ: 30057.
Scotophilus dinganii (A. Smith, 1833):
TM: 34791

SE 20032Bd:

Neoromicia nana (Peters, 1852):
USNM: 425324.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 425286

SE 20033Aa:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 30501.
Myonycteris relicta Bergmans, 1980:
NHMZ: 62472.

Myotis bocagii (Peters, 1870):
HZM: 6.4117.
Nycteris grandis Peters, 1865:
NHMZ: 60539.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57102.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 58575

SE 20033Bc:

Macronycteris vittatus (Peters, 1852):
NHMZ: 64271, 64272.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 64257.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 63469

SE 21033Ba:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 62535.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 63192.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 63269.
Scotophilus viridis (Peters, 1852):
NHMZ: 63248

SE 20035Cc:

Macronycteris vittatus (Peters, 1852):
TTU: 8308.
Miniopterus fraterculus Thomas and Schwann, 1906:
TTU: 8296, 8297.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 352155, 352156, 352157, 352158, 352159, 352160, 352161, 352162.
Triaenops afer Peters, 1877:
TTU: 8305

SE 20043Dd:

Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015:
FMNH: 176090, 176095.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 176052, 176053, 176054.
Myotis goudoti (A. Smith, 1834):
UADBA: 31743

SE 20044Ca:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 176137

SE 20044Cc:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 222747. - **UADBA:** 33692, 33693, 33694, 33695, 33696, 33697, 33698, 33700, 33701, 33702, CFR-301, CFR-306.
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 176096, 176097, 176098, 176099, 176100, 176101, 176102, 176103, 176104, 176105, 176106, 176107, 176108, 176109, 176110.
Myotis goudoti (A. Smith, 1834):
FMNH: 176070, 176071, 176072, 176073, 176074, 176076, 176077, 176078

SE 20044Ad:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 45734, 45735.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-491.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1985-1058, ZM-MO-1985-1059, ZM-MO-1985-1060, ZM-MO-1985-1061.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1918-38, ZM-MO-1948-38.

Pipistrellus rusticus (Tomes, 1861):
MNHN: ZM-MO-1891-704.
Triaenops menamena Goodman and Ranivo, 2009:
MNHN: ZM-MO-1891-703

SE 20044Ba:

Mops (Mops) leucostigma (G.M. Allen, 1918):
UADBA: 50229, 50230, 50235, 50236, 50237, 50238, 50239, 50240

SE 20044Bc:

Chaerephon leucogaster (A. Grandidier, 1869):
UADBA: 33652, 33656, 33657, 33658, 33659, 33661, 33662, 33664, 33665.
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006:
MNHN: ZM-MO-1984-433

SE 20046Da:

Miniopterus majori Thomas, 1906:
FMNH: 166051, 166052, 177285, 177286, 177287, 177288, 177289, 177290, 177291, 177292.
Myotis goudoti (A. Smith, 1834):
FMNH: 166049

SE 20046Db:

Miniopterus majori Thomas, 1906:
FMNH: 177275, 177276, 177277, 177278, 177279, 177280, 177281, 177282, 177283, 177284.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1950-879.
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007:
FMNH: 177255, 177256, 177257, 177258, 177259, 177260

SE 20047Aa:

Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007:
ROM: 42628, 42719, 42720, 42721, 42722, 42723, 42724, 42725, 42726, 42727, 42728, 42729, 42730, 42731, 42732, 42733, 42734, 42735, 42736

SE 20047Cc:

Mormopterus jugularis (Peters, 1865):
FMNH: 222701, 222702, 222703, 222705, 222706, 222709, 222710, 222712. - **UADBA:** 33740, 33742, 33743, 33744, 33751

SE 20047Ab:

Miniopterus Bonaparte, 1837:
FMNH: 209178.
Miniopterus majori Thomas, 1906:
FMNH: 194081, 194083, 194085, 209170, 209171, 209172, 209173, 209174, 209175, 209177. - **UADBA:** 43197, 43198, 43199, 43200, 43253, 43254, 43255, 43256, 43257, 43258, 43259, 43260, 43261, 43262, 43263.
Miniopterus manavi Thomas, 1906:
FMNH: 194074.
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007:
FMNH: 209180, 209181, 209182, 209183, 209184, 209185. - **UADBA:** 43201, 43202, 43264.
Myotis goudoti (A. Smith, 1834):
FMNH: 194065, 194066, 194067, 194068, 194069, 194070, 194071, 194072, 194073

SE 20047Ad:

Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
USNM: 328709, 328710, 328711, 328712, 328713

SE 20047Cb:

Myotis goudoti (A. Smith, 1834):
MCZ: 45116.
Neoromicia matroka (Thomas and Schwann, 1905):
BMNH: 1889.8.30.1, 1897.9.1.32, 1897.9.1.34, 1966.6057, 1989.160. - **MCZ:** 45115.
Neoromicia somalica (Thomas, 1901):
FMNH: 5646

SE 20047Bc:

Miniopterus majori Thomas, 1906:
BMNH: 1897.9.1.44, 2000.82, 2000.83, 2000.84.
Miniopterus manavi Thomas, 1906:
BMNH: 1897.9.1.37. - **MCZ:** 45101. - **NMW:** 27454

SE 21047Bb:

Mormopterus jugularis (Peters, 1865):
FMNH: 5647

SE 20048Da:

Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
USNM: 63332, 63333, 63334

SE 20055Cd:

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008:
FMNH: 193982, 193983, 193984, 193985, 193986, 193987, 193988, 193989, 193990, 193991, 194015, 194016

SE 20055Dc:

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008:
FMNH: 229079, 229084, 229085, 229087, 229088, 229089, 229092, 229099, 229103, 229106, 229111, 229112, 229113, 229115, 229117, 229118, 229119, 229120, 229121, 229122, 229124

SE 20057Ab:

Mormopterus acetabulosus (Hermann, 1804):
MNHN: ZM-MO-1984-1199.
Pteropus niger (Kerr, 1792):
BMNH: 1934.7.2.11, 1934.7.2.12, 1934.7.2.13, 1962.1919

SE 20057Ad:

Mormopterus acetabulosus (Hermann, 1804):
FMNH: 187488, 187489, 187490, 187491, 187492, 187493, 187494, 187495, 187496, 187497, 187498, 187499, 187500, 187501, 187502, 187503, 187504, 187505, 187506, 187507, 187508, 187509, 213456, 213464, 213465, 213466, 213469, 221176, 221179, 221193.
Pteropus niger (Kerr, 1792):
FMNH: 221237, 221238, 221239, 221240, 221241, 221242, 221243, 221244, 221245, 221246, 221247, 221248, 221249, 221250, 221251, 221252, 221253, 221254, 221255, 221256, 221257, 221258, 221279, 221280, 221281, 221282, 221283, 221284

SE 20057Ba:

Mormopterus acetabulosus (Hermann, 1804):
FMNH: 187533, 187534, 187535, 187536, 187537, 187538, 187539, 187540, 187541, 187542, 187543, 187544, 187545, 187546, 187547, 187548, 187549, 187550, 187551, 187552, 187553, 187554, 187555, 187556, 187557, 187558, 187559, 187560, 187561, 187562, 187563, 187564, 187565, 187566, 187567, 187568, 187569, 187570, 187571, 187572, 187573, 187574, 187575, 187576, 187577, 187578, 187579, 187580, 187581, 187582, 187583, 187584, 187585, 187586, 187587, 187588, 187589, 187590, 187591, 187592, 187593, 187594, 187595, 187596, 187597, 187598, 187599, 213487, 213492, 213499, 221194, 221195, 221197, 221201, 221203, 221204, 221206, 221207, 221210, 221213, 221214, 221215, 221216, 221218, 221219, 221220, 221221, 221222, 221223, 221226, 221228, 221229, 221231, 221232, 221233, 221234, 221235, 221236

SE 20057Bc:

Mormopterus acetabulosus (Hermann, 1804):
FMNH: 187510, 187511, 187512, 187513, 187514, 187515, 187516, 187517, 187518, 187519, 187520, 187521, 187522, 187523, 187524, 187525, 187526, 187527, 187528, 187529, 187530, 187531, 187532.
Pteropus niger (Kerr, 1792):
FMNH: 221259, 221260, 221262, 221263, 221264, 221265, 221266, 221267, 221268, 221269, 221270, 221271, 221272, 221273, 221274, 221275, 221276, 221277, 221278. - **ZMA:** MAM.16356

SE 20057Da:

Pteropus niger (Kerr, 1792):
AMS: M.23590

SE 21014Aa:

Chaerephon pumilus (Cretzschmar, 1826):
SMW: 9786, 9788, 9790.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 9787

SE 21014Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 45668, 45669, 45670, 45671, 58743, 58744, 58745, 78035. - **SMW:** 2690.
Rhinolophus denti Thomas, 1904:
ROM: 77846.
Rhinolophus fumigatus Rüppell, 1842:
SMW: 6816

SE 21015Ad:

Neoromicia capensis (A. Smith, 1829):
TM: 9476.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
CAS: 12536

SE 21015Cb:

MOLOSSIDAE Gervais, 1856:
TM: 42794.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 16342.
Sauromys petrophilus (Roberts, 1917):
TM: 42781, 42782, 42783, 42784, 42785, 42786, 42787, 42788, 42789, 42790, 42791, 42792, 42793, 42795, 42837

SE 21015Bc:

Scotophilus leucogaster (Cretzschmar, 1826):
LACM: 56282

SE 21015Da:

Eptesicus hottentotus (A. Smith, 1833):
AMNH: 45635. - **BRTC:** 20894. - **SMF:** 19553. - **TM:** 9480, 9481, 9482, 9484, 9485, 9486, 9487, 9488, 9489, 9491, 9492, 9493.
Neoromicia zuluensis (Roberts, 1924):
TM: 9479.
Sauromys petrophilus (Roberts, 1917):
TM: 16389, 16390, 16391, 16392, 16393, 16394, 16395, 16396, 16397, 8494, 9494, 9495, 9496, 9497, 9497a, 9498, 9499, 9500, 9501, 9502, 9503, 9504, 9505, 9506, 9507, 9508, 9511, 9512, 9570.
Sauromys petrophilus erongensis (Roberts, 1946):
FMNH: 62254.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMF: 19554, 22001. - **TM:** 16388, 16398, 16399, 9513, 9515, 9516, 9517

SE 21015Bd:

Miniopterus natalensis (A. Smith, 1833):
TM: 48687, 48688, 48689.
Neoromicia capensis (A. Smith, 1829):
TM: 49111.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 77504.
Sauromys petrophilus (Roberts, 1917):
KM: 31816, 31817, 31818, 31819, 31820

SE 21015Db:

Eptesicus hottentotus (A. Smith, 1833):
AMNH: 245635. - **LACM:** 56269

SE 21015Dd:

Neoromicia capensis (A. Smith, 1829):
SMNS: 2928.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1925.1.2.281, 1925.1.2.282, CN1005, CN868, CN869, CN870, CN871. - **KM:** 1676, 1677.

Rhinolophus damarensis Roberts, 1946:
BMNH: 1925.1.2.285.
Rhinolophus fumigatus Rüppell, 1842:
KM: 1752.
Scotophilus dinganii (A. Smith, 1833):
ZFMK: 1967.0137, 1967.0138, 1967.0140, 1967.0141

SE 21016Ac:

Neoromicia capensis (A. Smith, 1829):
ZMB: 86231.
Neoromicia zuluensis (Roberts, 1924):
TM: 9478.
Scotophilus dinganii (A. Smith, 1833):
KM: 31812.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 31821

SE 21016Ca:

Eptesicus hottentotus (A. Smith, 1833):
LACM: 41677.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
LACM: 41715

SE 21016Ad:

Macronycteris vittatus (Peters, 1852):
TM: 37635.
Miniopterus natalensis (A. Smith, 1833):
SMW: 11317. - **TM:** 37637, 37638, 37639, 37640, 37641, 37642, 37643, 37647, 37648, 37649.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 11319. - **TM:** 37645, 37646.
Rhinolophus fumigatus Rüppell, 1842:
SMW: 6776. - **TM:** 37636, 37644

SE 21016Dc:

Macronycteris vittatus (Peters, 1852):
SMW: 6837

SE 21016Dd:

Hipposideros caffer (Sundevall, 1846):
FMNH: 77490, 77491, 77492, 77493, 77494, 77495, 78151, 78152, 78153, 78154, 78155, 78156. - **SMW:** 3519.
Macronycteris vittatus (Peters, 1852):
TM: 4881.
Neoromicia capensis (A. Smith, 1829):
FMNH: 77500. - **SMF:** 18173. - **TM:** 6834.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 77501, 77502, 77503, 78159, 78160, 78161, 78162, 78163. - **SMW:** 3510. - **ZFMK:** 1934.0092, 1934.0093, 1934.0094, 1934.0166. - **ZMB:** T09257. - **ZMH:** 1.
Pipistrellus Kaup, 1829:
FMNH: 77498, 77499.
Rhinolophus damarensis Roberts, 1946:
TM: 9474. - **ZMB:** 50067.
Rhinolophus fumigatus Rüppell, 1842:
FMNH: 77496, 77497. - **TM:** 3991.
Sauromys petrophilus (Roberts, 1917):
SMF: 15447.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 78143, 78144. - **SMF:** 20016, 23773, 23774. - **ZFMK:** 1959.0409.
Scotophilus leucogaster (Cretzschmar, 1826):
FMNH: 65579

SE 21017Aa:

Macronycteris vittatus (Peters, 1852):
TM: 3495.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 3379

SE 21017Bb:

Miniopterus natalensis (A. Smith, 1833):
TM: 4666.
Neoromicia capensis (A. Smith, 1829):
TM: 3380, 3381

SE 21018Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 6427

SE 21018Bd:

Neoromicia capensis (A. Smith, 1829):
LACM: 56259.
Scotophilus leucogaster (Cretzschmar, 1826):
LACM: 56274

SE 22019Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1926.12.7.2, 1926.12.7.3. - **KM:** 1678, 1679, 1680

SE 22021Ab:

Neoromicia capensis (A. Smith, 1829):
USNM: 322838, 322919, 322920, 322921, 322922, 322923

SE 21021Da:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 32799.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 38482. - **USNM:** 382643

SE 21026Ac:

Neoromicia capensis (A. Smith, 1829):
HZM: 28.4040, 29.4041.
Pipistrellus rusticus (Tomes, 1861):
HZM: 6.4042.
Scotophilus dinganii (A. Smith, 1833):
USNM: 382686, 382687

SE 21026Ad:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64072, 64079, 64080, 64082, 64083, 64098, 64100, 64102, 64105.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 64222.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 64032

SE 22026Ab:

Chaerephon nigeriae Thomas, 1913:
NHMZ: 63876.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 64123, 64133.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 64158

SE 21027Cd:

Nycteris macrotis Dobson, 1876:
USNM: 479060.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 479059

SE 21027Ba:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64157.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 64216.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 63995.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 63466.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 63760. - **USNM:** 425369.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 64163.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63749

SE 21027Bc:

Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 64254

SE 21028Db:

Sauromys petrophilus (Roberts, 1917):
NHMZ: 59837

SE 21029Aa:

Rhinolophus blasii Peters, 1867:
NHMZ: 57768

SE 21029Cc:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 32830, 56250, 56251, 56252, 56253, 56254, 56255, 56256, 56257, 56258, 56259, 56260, 56261, 56262, 56263, 56264, 56265, 56266, 56267, 56268, 56269, 56273, 56274, 56275, 56276, 56277.
Neoromicia nana (Peters, 1852):
NHMZ: 56270.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 83880.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 83867

SE 21029Ab:

Miniopterus natalensis (A. Smith, 1833):
ROM: 64729.
Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 58346, 58360. - **ROM:** 64744.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58375, 58386. - **ROM:** 64706, 64707, 64708, 64709, 64710, 64711, 64712, 64713, 64714, 64715, 64716, 64728, 64730, 64731, 64732, 64733, 64736, 64737, 64738, 64739, 64740, 64741, 64742, 64758, 64759, 64760, 64761.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57513, 57522, 57546. - **ROM:** 64517-b, 64718, 64719, 64720, 64721, 64722, 64723, 64724, 64725, 64727, 64734, 64747, 64748, 64749, 64750, 64751, 64752, 64753, 64754, 64755, 64756, 64757, 64762, 64763, 64764.
Scotophilus dinganii (A. Smith, 1833):
ROM: 64726.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
BMNH: 1961.1086

SE 21029Ad:

Neoromicia capensis (A. Smith, 1829):
BMNH: 1961.1078. - **NHMZ:** 79455.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 79465.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 79470.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 79461

SE 21029Ba:

Epomophorus crypturus Peters, 1852:
NHMZ: 30585.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 31183, 31184, 31186, 31187, 31188, 31189, 31190.

Neoromicia capensis (A. Smith, 1829):
NHMZ: 31193.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 30571.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 30619.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 31174.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 31177.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 30586.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 30583.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 30591

SE 21029Bc:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 33875.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 59374

SE 21029Da:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56312

SE 21029Dc:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 57750.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 57636.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 57627, 58129.
Neoromicia nana (Peters, 1852):
NHMZ: 57625.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57629.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 57624.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 57757.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 58127.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 59304

SE 21029Bb:

Rhinolophus blasii Peters, 1867:
NHMZ: 30584

SE 21030Bc:

Neoromicia capensis (A. Smith, 1829):
ROM: 64889, 64890, 64936.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 64913, 64937.
Scotophilus dinganii (A. Smith, 1833):
ROM: 64943, 64944

SE 21030Db:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 64888, 64896, 64900, 64901, 64902, 64903, 64923, 64924, 64925, 64926, 64927, 64928, 64929, 64930, 64931, 64932, 64933.
Epomophorus crypturus Peters, 1852:
ROM: 64899, 64910, 64911, 64915, 64922.
Neoromicia capensis (A. Smith, 1829):
ROM: 64895, 64905, 64919, 64920, 64921, 64941, 64942.
Nycticeinops schlieffenii (Peters, 1859):
ROM: 64904.

Scotophilus dinganii (A. Smith, 1833):
ROM: 64887, 64897, 64898, 64907, 64908, 64909, 64917, 64918

SE 21031Ca:

Rhinolophus rhodesiae Roberts, 1946:
TM: 1325

SE 21031Ab:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 59466.
Cloeotis percivali Thomas, 1901:
NHMZ: 58507.
Miniopterus inflatus Thomas, 1903:
NHMZ: 59684.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59685.
Neoromicia nana (Peters, 1852):
NHMZ: 58734.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60516.
Rhinolophus lobatus Peters, 1852:
NHMZ: 60740, 60765.
Rhinolophus rhodesiae Roberts, 1946:
NHMZ: 60730

SE 21031Cd:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 55662.
Epomophorus crypturus Peters, 1852:
ROM: 70821.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58576. - **ROM:** 70871.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 55655.
Myotis tricolor (Temminck, 1832):
NHMZ: 57886.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 57047.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 55652, 556S4.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58423.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 55659.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 58074.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 55663.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 55657

SE 21031Ba:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 57655, 59502.
Macronycteris vittatus (Peters, 1852):
NHMZ: 65148.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 32836.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 57469, 59897.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58860.
Neoromicia nana (Peters, 1852):
NHMZ: 57670, 58729, 58730, 58733, 58755.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60502.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 60738.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 60699.

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57560, 58246.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59145, 60515.
Scotophilus viridis (Peters, 1852):
NHMZ: 59269.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56967

SE 21031Da:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 60000

SE 21031Bb:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 59984.
Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 59443, 59462.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58622, 58700.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 58732.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59706.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 58865, 58901.
Neoromicia nana (Peters, 1852):
NHMZ: 58714.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 31672.
Nycteris woodi K. Andersen, 1914:
NHMZ: 31585, 58621.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 58813, 60494, 60523.
Rhinolophus fumigatus Rüppell, 1842:
NHMZ: 57601, 58387, 60701.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
NHMZ: 57518, 57550.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 58976.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 59936

SE 21031Bd:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 59419.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 57470, 59857, 62454.
Neoromicia nana (Peters, 1852):
NHMZ: 58735, 58756.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 6648S.
Rhinolophus lobatus Peters, 1852:
NHMZ: 33382.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 59074.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 59425.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56953

SE 21031Db:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 59464.
Mops (Mops) midas (Sundevall, 1843):
HZM: 1.4517.
Neoromicia nana (Peters, 1852):
NHMZ: 55653, 58731.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60492

SE 21031Dd:

Hipposideros caffer (Sundevall, 1846):
NHMZ: 58562, 58563, 58564, 58565, 58566, 58567, 58568, 58569, 58570, 58605, 58606, 58607, 58608, 58609, 58610, 58611, 58612, 58613, 58614, 58615, 58616, 58617, 58618

SE 21032Aa:

Macronycteris vittatus (Peters, 1852):
NHMZ: 65152

SE 21032Ac:

Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 61968

SE 21032Ab:

Miniopterus natalensis (A. Smith, 1833):
NHMZ: 59695.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56984

SE 21032Ad:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 31358, 59906.
Chaerephon bivittatus (Heuglin, 1861):
HZM: 4.4521. - **NHMZ:** 31357.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 470239. - **USNM:** 470238.
Glauconycteris variegata (Tomes, 1861):
NHMZ: 60522.
Macronycteris vittatus (Peters, 1852):
USNM: 470253.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 31363.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 17593, 57119.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60509. - **TM:** 10753.
Rhinolophus fumigatus Rüppell, 1842:
USNM: 368605.
Scotophilus leucogaster (Cretzschmar, 1826):
USNM: 470255, 470256, 470257, 470258, 470259.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 31362, 56936, 56947, 56949

SE 21032Cb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63372.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63743

SE 21032Db:

Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 8627. - **USNM:** 351986.
Hipposideros caffer (Sundevall, 1846):
DNSM: 8586.
Neoromicia nana (Peters, 1852):
DNSM: 8531. - **USNM:** 352067, 352068, 352069, 352070, 352071, 352072, 352073, 352074, 352075, 352076, 352077, 352078, 352079, 352080, 352081, 352082, 352083, 352084, 352085, 352086, 352087, 352088, 352089, 352093.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 352011, 352012.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 8490.
Rhinolophus lobatus Peters, 1852:
USNM: 352034, 352035, 352036, 352037, 352038, 352039, 352040, 352041.
Scotoecus hindei Thomas, 1901:
DNSM: 8554.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 8465. - **USNM:** 352048.

Scotophilus viridis (Peters, 1852):
DNSM: 12948, 8471

SE 21033Ad:

Scotophilus viridis (Peters, 1852):
NHMZ: 63219

SE 21033Cb:

Scotoecus hindei Thomas, 1901:
NHMZ: 63249

SE 21033Cd:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 62574.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 63197.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 63268.
Scotophilus viridis (Peters, 1852):
NHMZ: 63275

SE 21033Ba:

Macronycteris vittatus (Peters, 1852):
NHMZ: 63386.
Scotoecus albigula Thomas, 1909:
NHMZ: 63247.
Scotoecus albofuscus (Thomas, 1890):
NHMZ: 63200

SE 21033Bd:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 216232, 216234, 232700, 245182, 245183, 245184, 245185, 245186, 245187. - **NHMZ:** 62519. - **ROM:** 67530, 67531, 67532, 67533.
Epomophorus crypturus Peters, 1852:
AMNH: 216400.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 245137, 245138. - **MWSU:** 3290, 3291, 3292, 3295, 3296, 3297.
Hipposideros caffer (Sundevall, 1846):
AMNH: 245160, 245161, 245162, 245163, 245164, 245165. - **NHMZ:** 34020, 63448. - **TTU:** 8307.
Kerivoula argentata Tomes, 1861:
NHMZ: 63280.
Macronycteris vittatus (Peters, 1852):
NHMZ: 63387.
Mimetillus thomasi Hinton, 1920:
NHMZ: 63199.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 63128.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 216233. - **NHMZ:** 33451, 62459, 62469. - **ROM:** 67534, 67535, 67538, 67539, 67540, 67541.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 63210.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 63186.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 245150, 245151, 245152, 245153, 245154, 245155. - **NHMZ:** 63308, 63311. - **TTU:** 8299.
Nycteris vinsoni Dalquest, 1965:
KU: 105221.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 63194, 63195, 63196.
Rhinolophus blasii Peters, 1867:
NHMZ: 62100.
Rhinolophus lobatus Peters, 1852:
NHMZ: 62096, 62097, 62099, 62106. - **TTU:** 8306.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
AMNH: 245156, 245157, 245158, 245159. - **NHMZ:** 62123, 62124, 62125.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 63254, 63267.
Scotophilus nigrita (Schreber, 1774):
KU: 105222.

Scotophilus viridis (Peters, 1852):
NHMZ: 63223

SE 21034Ac:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 63211

SE 21034Ba:

Glauconycteris variegata (Tomes, 1861):
DNSM: 9374.
Kerivoula argentata Tomes, 1861:
DNSM: 9375.
Kerivoula lanosa (A. Smith, 1847):
DNSM: 9370.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 9377.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 9854.
Scotophilus viridis (Peters, 1852):
DNSM: 9373

SE 21034Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 63313

SE 21034Bd:

Macronycteris vittatus (Peters, 1852):
NHMZ: 63384, 63385.
Triaenops afer Peters, 1877:
NHMZ: 63523, 63524, 63525, 63526, 63527, 63528, 64323. - **ROM:** 67542, 67543, 67544, 67545, 67546, 67547, 67548, 67549

SE 21034Db:

Hipposideros caffer (Sundevall, 1846):
AMNH: 216214, 216215, 216216, 216217, 216218, 216219, 216220, 216221, 216237, 216238. - **TM:** 48051.
Macronycteris vittatus (Peters, 1852):
AMNH: 216213, 216235.
Miniopterus fraterculus Thomas and Schwann, 1906:
AMNH: 216222, 216223, 216224, 216225, 216226, 216227, 216228, 216229, 216230.
Rhinolophus lobatus Peters, 1852:
FMNH: 228936, 228937, 228938, 228939, 228940, 228941, 228947, 228954, 228965.
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 11276.
Rhinolophus rhodesiae Roberts, 1946:
DNSM: 11270, 11271, 11272, 11273, 11275. - **FMNH:** 228942, 228943, 228944, 228945, 228946, 228948, 228949, 228950, 228951, 228952, 228953, 228955, 228956, 228957, 228958, 228959, 228960, 228961, 228962, 228964.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
AMNH: 216206, 216207, 216208, 216209, 216210, 216211, 216212.
Triaenops afer Peters, 1877:
AMNH: 216236, 245393, 245394, 245395, 245396, 245397, 245398, 245399, 245400, 245401, 245402, 245403. - **DNSM:** 11274

SE 21035Ac:

Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 244311, 244312, 244313, 244314, 244315, 244316, 244317, 244318, 244319, 244320. - **ROM:** 67536, 67537

SE 21035Cb:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 42019, 42020.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 5940, 5941

SE 22035Ab:

Hipposideros caffer (Sundevall, 1846):
CZL: 5520262.
Mops (Mops) condylurus (A. Smith, 1833):

FMNH: 177175, 177176, 177177, 177178, 177179, 177180, 177181, 177182, 177183, 177184, 177185, 177186, 177187, 177188, 177189, 177190, 177191. - **USNM:** 352163

SE 21043Cd:

Neoromicia nana (Peters, 1852):
MCZ: 45105.
Pipistrellus inexspectatus Aellen, 1959:
MCZ: 45112

SE 21043Da:

Myotis goudoti (A. Smith, 1834):
MNHN: ZM-MO-1985-419.
Vespertilioninae Gray, 1821:
MNHN: ZM-MO-1985-417

SE 21043Dd:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 194633, 194634

SE 21044Bc:

Pipistrellus raceyi Bates, Ratrimomanarivo, Harrison and Goodman, 2006:
FMNH: 185567

SE 21045Ac:

Myotis goudoti (A. Smith, 1834):
UADBA: ZR-497, ZR-503

SE 21047Ac:

Eidolon dupreanum (Schegel, 1867):
ROM: 42471, 42472, 42473, 42474, 42475, 42476. - **ZMB:** 58208.
Miniopterus majori Thomas, 1906:
FMNH: 184469.
Mormopterus jugularis (Peters, 1865):
FMNH: 184445. - **ROM:** 42469, 42470, 42479, 42480, 42481, 42482, 42483, 42484, 42485, 42486, 42487, 42488, 42489, 42490, 42491, 42492, 42493, 42494, 42495, 42496, 42497, 42498, 42499, 42500, 42501, 42502, 42503, 42504, 42505, 42506, 42507, 42508, 42509, 42510, 42511, 42512, 42513, 42514, 42515, 42516, 42517, 42518, 42519, 42520, 42521, 42522, 42523, 42524.
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
USNM: 448885.
Neoromicia matroka (Thomas and Schwann, 1905):
FMNH: 184465, 184466. - **MCZ:** 45114.
Paremballonura atrata (Peters, 1874):
UADBA: 31938.
Tadarida fulminans (Thomas, 1903):
BMNH: 1882.3.1.34

SE 21047Ab:

Miniopterus majori Thomas, 1906:
FMNH: 187652, 187653, 187654, 187655, 187656, 187657, 187658, 187659, 187660, 187661. - **MVZ:** 217020, 217021.
Miniopterus manavi Thomas, 1906:
FMNH: 187662

SE 21047Ad:

Myotis goudoti (A. Smith, 1834):
USNM: 448933

SE 21047Cb:

Miniopterus Bonaparte, 1837:
USNM: 449306, 449307, 449308, 449309, 449310, 449311, 449312, 449313.
Miniopterus manavi Thomas, 1906:
BMNH: 1897.9.1.39, 1897.9.1.40. - **FMNH:** 5650. - **NMW:** 930, 931.
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008:
USNM: 449205.
Mormopterus jugularis (Peters, 1865):
MNHN: ZM-MO-1984-1203.

Myotis goudoti (A. Smith, 1834):
FMNH: 170795. - **USNM:** 449281.
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
USNM: 449282.
Neoromicia capensis (A. Smith, 1829):
USNM: 449314

SE 21047Cd:

Mormopterus jugularis (Peters, 1865):
MCZ: 45096. - **MNHN:** ZM-MO-1912-52 A, ZM-MO-1912-52 B.
Myotis goudoti (A. Smith, 1834):
FMNH: 169243. - **MNHN:** ZM-MO-1947-304.
Paremballonura atrata (Peters, 1874):
MCZ: 45092, 45648

SE 21047Bc:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 185319, 185320, 185321, 185322, 185323, 185324, 185325, 185326, 185327, 185328, 185329, 185330, 185331, 185332, 185333, 185334, 185335, 185336, 185337, 185338. - **MNHN:** ZM-MO-1985-437, ZM-MO-1985-438, ZM-MO-1985-439, ZM-MO-1985-440.
Miniopterus Bonaparte, 1837:
USNM: 449289, 449290, 449291, 449292, 449293, 449294, 449295, 449296, 449297, 449298, 449299, 449300, 449301, 449302, 449303, 449304, 449305.
Myotis goudoti (A. Smith, 1834):
MNHN: ZM-MO-1985-412.
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
USNM: 449315

SE 21047Bd:

Miniopterus Bonaparte, 1837:
USNM: 449286, 449287, 449288.
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011:
USNM: 44203, 448938, 449202.
Miniopterus majori Thomas, 1906:
USNM: 448888, 448889, 448940.
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008:
USNM: 448939, 449203, 449204.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 448890, 448891, 448942, 448943.
Myotis goudoti (A. Smith, 1834):
USNM: 448934, 449200, 449201, 449279, 449280.
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
USNM: 448883, 448884, 448886, 448929, 448930, 448931, 448932, 449283, 449284, 449285.
Neoromicia capensis (A. Smith, 1829):
USNM: 448887, 448935, 448936, 448937.
Neoromicia matroka (Thomas and Schwann, 1905):
FMNH: 225972, 225973.
Paremballonura atrata (Peters, 1874):
FMNH: 185224, 185225, 185226.
Rousettus madagascariensis G. Grandidier, 1929:
USNM: 448880, 448881, 448882, 448919, 448921, 448922, 448923, 448924, 448925, 448926, 448927, 448928, 449206, 449207, 449208, 449209, 449272, 449273, 449274, 449275, 449276, 449277, 449278

SE 21048Ac:

Eidolon dupreanum (Schegel, 1867):
FMNH: 5648

SE 21055Aa:

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008:
FMNH: 193996, 193997, 193998, 193999, 194000, 194001, 194002, 194003, 194004, 194005, 194006, 194007, 194008, 194009, 194010, 194011, 194012, 194013, 194014. - **MNHN:** ZM-MO-1981-302, ZM-MO-1981-303, ZM-MO-1981-304, ZM-MO-1981-305, ZM-MO-1981-306, ZM-MO-1981-307, ZM-MO-1981-308, ZM-MO-1981-309, ZM-MO-1981-310, ZM-MO-1981-311, ZM-MO-1981-312, ZM-MO-1981-313, ZM-MO-1981-314, ZM-MO-1981-315

SE 21055Ab:

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008:
FMNH: 229067, 229068, 229069, 229070, 229072, 229073, 229074. - **MNHN:** RB 271, RB 276, RB 277, RB 278, RB 279, RB 280, RB 281, RB 283, RB 284, RB 285, RB 286, RB 287, RB 288, RB 289, RB 290, RB 302, RB 306, RB 308, RB 309, RB 310, RB 311, RB 313, RB 314, RB 315, RB 316, RB 319, RB 320, RB 321, RB 322, RB 323, RB 326, RB 327, RB 328, RB

329, RB 330, RB 331, RB 332, RB 333, RB 334, RB 335, RB 336, RB 337, RB 338, RB 339, RB 350, RB 351, RB 352, RB 353, RB 354, RB 355, RB 356, RB 357, RB 358, RB 359, RB 360, RB 361, RB 362, RB 363, RB 364, RB 365, RB 366, RB 367, RB 368, RB 369. - **UADBA:** RB-205, RB-206, RB-208, RB-209, RB-211, RB-214, RB-216, RB-218, RB-219, RB-220, RB-225, RB-226, RB-231, RB-232, RB-244, RB-245, RB-246, RB-248, RB-251, RB-340, RB-341, RB-342, RB-343, RB-344, RB-345, RB-346, RB-347, RB-348, RB-349. - **UMMZ:** 115813, 115814, 115815, 115816, 115817, 115818, 115819

SE 21055Ad:

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008:
MNHN: ZM-MO-1981-301

SE 21055Ba:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
ZMB: 4616.
Mormopterus acetabulosus acetabulosus (Hermann, 1804):
MCZ: 46100, 46101, 46102, 46103, 46104, 46105. - **SMF:** 82018, 82019.
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008:
FMNH: 74208, 74209. - **MNHN:** ZM-MO-1862-362, ZM-MO-1863-265 A, ZM-MO-1863-265 B, ZM-MO-1863-265 C, ZM-MO-1863-265 D, ZM-MO-1863-265 E, ZM-MO-1865-24, ZM-MO-1865-25, ZM-MO-1865-26. - **ROM:** 80771. - **ZMB:** 3081, 3082, 3253.
Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1985-982.
Pteropus Erxleben, 1777:
MNHN: ZM-MO-1983-1379, ZM-MO-1983-1380.
Pteropus subniger (Kerr, 1792):
ZMB: 3661, 4525, 4526.
Scotophilus borbonicus (E. Geoffroy St.-Hilaire, 1803):
RMNH: MAM.28508.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-1865-19, ZM-MO-1876-548, ZM-MO-1965-18

SE 21055Bc:

Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008:
FMNH: 193992, 193993, 193994, 193995

SE 22014Da:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
RMCA: 94.041-M-0003, 94.041-M-0004

SE 22014Dc:

Rhinolophus fumigatus Rüppell, 1842:
ZMB: 6201

SE 22014Db:

Chaerephon Dobson, 1874:
RMCA: 95.093-M-0010, 95.093-M-0011.
Chaerephon pumilus (Cretzschmar, 1826):
RMCA: 95.093-M-0007.
Miniopterus natalensis (A. Smith, 1833):
RMCA: 95.093-M-0008.
Mops (Mops) midas (Sundevall, 1843):
RMCA: 95.093-M-0012

SE 22015Da:

Hipposideros caffer (Sundevall, 1846):
SMW: 7605. - **TM:** 28904, 28905.
Miniopterus natalensis (A. Smith, 1833):
SMW: 7585. - **TM:** 28900, 28901, 28902, 28903.
Rhinolophus denti Thomas, 1904:
SMW: 7608

SE 22015Bb:

Hipposideros caffer (Sundevall, 1846):
SMW: 6782.
Hipposideros ruber (Noack, 1893):
RMCA: 94.041-M-0005.
Miniopterus natalensis (A. Smith, 1833):
SMW: 2724.

Rhinolophus damarensis Roberts, 1946:
SMW: 6780.
Rhinolophus fumigatus Rüppell, 1842:
SMW: 6781

SE 22016Ac:

Glauconycteris variegata (Tomes, 1861):
BMNH: 1907.1.1.437, 1907.1.1.438. - **ZMB:** 3033.
Hipposideros Gray, 1831:
TM: 42810.
Hipposideros caffer (Sundevall, 1846):
TM: 16369, 16370, 16371, 16372, 16373, 16374. - **ZMB:** 3296a, 8399, 8400, 8401.
Miniopterus natalensis (A. Smith, 1833):
ZMB: 3299.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 16343, 16344, 16345, 16346, 16347, 16348.
Rhinolophus damarensis Roberts, 1946:
ZMB: 50071, 50072, 50073.
Rhinolophus denti Thomas, 1904:
ZMB: 50069, 50070.
Rhinolophus fumigatus Rüppell, 1842:
ZMB: 3294, 3295

SE 22016Ad:

Neoromicia capensis (A. Smith, 1829):
LACM: 41673.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 83457, 83458, 83459, 83460, 83461, 83462, 83463.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 83455.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 83456

SE 22016Cd:

Sauromys petrophilus (Roberts, 1917):
LACM: 47283

SE 22016Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMB: 3298

SE 22016Db:

Hipposideros caffer (Sundevall, 1846):
LACM: 52700. - **SMW:** 12224.
Neoromicia capensis (A. Smith, 1829):
TM: 8305, 8306, 8307, 8308, 8309.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
LACM: 56190.
Rhinolophus damarensis Roberts, 1946:
SMW: 6812.
Rhinolophus denti Thomas, 1904:
LACM: 56202.
Scotophilus dinganii (A. Smith, 1833):
SMW: 2703.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 379805

SE 22017Aa:

Macronycteris vittatus (Peters, 1852):
SMW: 6839

SE 22017Ca:

Chaerephon Dobson, 1874:
RMCA: 93.050-M-0001, 93.050-M-0002.
Hipposideros caffer (Sundevall, 1846):
TM: 5799.
Macronycteris vittatus (Peters, 1852):
SMW: 6828. - **ZMB:** T10184.

Miniopterus natalensis (A. Smith, 1833):
KM: 28251. - **MVZ:** 117236.
Neoromicia capensis (A. Smith, 1829):
MVZ: 117197, 117198, 117199, 117200, 117201, 117202, 117203, 117204, 117205, 117206, 117207, 117208, 117209, 117210. - **NHMZ:** 64117.
Neoromicia zuluensis (Roberts, 1924):
ZFMK: 1971.0002, 1971.0003.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1925.1.2.283, 1935.1.6.20, 1935.1.6.21, CN1035, CN3842. - **KM:** 1675. - **SMF:** 15399, 15400. - **SMW:** 6740.
Rhinolophus damarensis Roberts, 1946:
SMW: 6817. - **TM:** 8297.
Rhinolophus denti Thomas, 1904:
ZMB: 50057, 50060.
Rhinolophus fumigatus Rüppell, 1842:
ZMB: 50058.
Scotophilus Leach, 1821:
SMW: 9917.
Scotophilus dinganii (A. Smith, 1833):
SMF: 26192. - **SMW:** 2694, 6698, 6699, 6701, 6703, 6704, 6784. - **TM:** 38455. - **ZFMK:** 1961.0412, 1961.0413, 1971.0001.
Scotophilus leucogaster (Cretzschmar, 1826):
MVZ: 117211. - **NMR:** 999000000904, 999000000905.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
LACM: 59237. - **SMW:** 11920

SE 22017Ad:

Eidolon helvum (Kerr, 1792):
SMW: 9983.
Scotophilus Leach, 1821:
SMW: 9984

SE 22017Cb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MVZ: 117107, 117108, 117109, 117110, 117111, 117112, 117113, 117114, 117115, 117116, 117117, 117118, 117119.
Rhinolophus fumigatus Rüppell, 1842:
MVZ: 117183, 117184, 117185, 117186, 117187, 117188, 117189, 117190, 117191

SE 22017Cd:

Macronycteris vittatus (Peters, 1852):
AMNH: 165222

SE 22017Bc:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
AMNH: 245636, 245637

SE 22017Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 6465.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
LACM: 58967, 58968, 58969, 58970, 58971, 58972, 58973, 58974, 58975, 58976, 59111, 59112, 59113, 59114, 59115, 59116, 59117, 59118, 59119, 59120, 59121, 59122, 59123, 59124, 59125, 59126, 59127, 59128, 59129, 59130, 59131, 59132, 59133, 59134, 59135, 59136, 59137, 59138, 59139, 59140, 59141, 59142, 59143, 59144, 59145, 59146, 59236

SE 22017Db:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 7281, 7282, 7283, 7297

SE 22017Dd:

Eidolon helvum (Kerr, 1792):
SMW: 6848

SE 22018Ca:

Eidolon helvum (Kerr, 1792):
SMW: 7488.
Hipposideros caffer (Sundevall, 1846):
SMW: 3991.
Macronycteris vittatus (Peters, 1852):
SMW: 6808.

Miniopterus natalensis (A. Smith, 1833):
SMW: 6535. - **TM:** 16378, 16379, 16380, 16381.
Nycteris G. Cuvier and E. Geoffroy, 1795:
TM: 42701, 42702, 42706, 42707, 42709.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 3504. - **TM:** 16349, 16350, 16351, 16352, 16353, 16354, 16355, 16356, 16357, 16358, 16359, 16360, 16361, 16362, 16363, 16364, 16365, 16366, 16367, 16368.
Rhinolophus damarensis Roberts, 1946:
SMW: 12215.
Rhinolophus denti Thomas, 1904:
SMW: 3507

SE 22018Ad:

Miniopterus natalensis (A. Smith, 1833):
BMNH: 1926.12.7.15

SE 22018Bb:

Neoromicia capensis (A. Smith, 1829):
TM: 6057

SE 22019Cb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1926.12.7.350, 1926.12.7.351. - **NMW:** 10317, 10318, 10319

SE 22019Bd:

Macronycteris vittatus (Peters, 1852):
KM: 1840.
Neoromicia capensis (A. Smith, 1829):
DNSM: 40. - **KM:** 2117, 2122, 2123, 2127, 2128, 2130, 2131, 2136, 2138, 2139, 2140, 2143, 2144, 2146.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 1681.
Scotophilus dinganii (A. Smith, 1833):
KM: 2392

SE 22021Bb:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 80205

SE 22026Bc:

Neoromicia capensis (A. Smith, 1829):
HZM: 35.4513, 36.4514. - **WAM:** M29514.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 64229.
Scotophilus dinganii (A. Smith, 1833):
WAM: M29512, M29513

SE 22026Bb:

Neoromicia capensis (A. Smith, 1829):
USNM: 367747

SE 22027Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 479058, 479061

SE 22028Cb:

Miniopterus natalensis (A. Smith, 1833):
TM: 19721.
Scotophilus dinganii (A. Smith, 1833):
TM: 19720.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 19713

SE 22028Cd:

Neoromicia capensis (A. Smith, 1829):

TM: 26673, 26674.
Nycticeinops schlieffenii (Peters, 1859):
TM: 26672

SE 22029Aa:

Nycticeinops schlieffenii (Peters, 1859):
TM: 47494.
Scotophilus dinganii (A. Smith, 1833):
USNM: 382679

SE 22029Ac:

Mops (Mops) midas (Sundevall, 1843):
NHMZ: 59303.
Nycticeinops schlieffenii (Peters, 1859):
TM: 45376.
Pipistrellus rusticus (Tomes, 1861):
TM: 45374, 45375.
Sauromys petrophilus (Roberts, 1917):
TM: 45372, 45373, 45380.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 45370, 45371, 45377, 45378, 45379

SE 22029Ca:

Neoromicia capensis (A. Smith, 1829):
TM: 32294.
Nycticeinops schlieffenii (Peters, 1859):
TM: 32295

SE 22029Cc:

Mops (Mops) midas (Sundevall, 1843):
TM: 41302.
Nycticeinops schlieffenii (Peters, 1859):
TM: 41300.
Pipistrellus rusticus (Tomes, 1861):
TM: 41299.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 41301

SE 22029Ab:

Epomophorus crypturus Peters, 1852:
TM: 20340, 20372.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 20341.
Eptesicus hottentotus (A. Smith, 1833):
TM: 41419, 41421.
Hipposideros caffer (Sundevall, 1846):
TM: 45094.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 29663, 30869, 30870b.
Neoromicia capensis (A. Smith, 1829):
CM: 105708, 105709, 105711, 105712. - **TM:** 40103, 40104, 41417.
Neoromicia zuluensis (Roberts, 1924):
CM: 105710. - **TM:** 41408.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 20393, 20406, 20407, 40073, 40074, 45095, 45097.
Nycteris woodi K. Andersen, 1914:
TM: 20403, 20404, 20405, 20408.
Pipistrellus rusticus (Tomes, 1861):
CM: 105716, 105717, 105718, 105719, 105720, 105721, 105722, 105723, 105727, 105728, 105729, 105732, 105733, 105734, 105735, 105741, 105742. - **TM:** 40105, 40106, 41407, 41409, 41410.
Rhinolophus darlingi K. Andersen, 1905:
TM: 20394, 20395, 20401, 20402, 45096, 45098.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
TM: 20339, 45099, 45101.
Sauromys petrophilus (Roberts, 1917):
TM: 41418, 41420.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 9934

SE 22029Ad:

Chaerephon nigeriae Thomas, 1913:
TM: 45417.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 40101.
Hipposideros caffer (Sundevall, 1846):
TM: 45420.
Mops (Mops) midas (Sundevall, 1843):
TM: 45395, 45396, 45397, 45398, 45399, 45400, 45401, 45402, 45403, 45404, 45405, 45406, 45407, 45408, 45409, 45410, 45411, 45412, 45413, 45414.
Neoromicia capensis (A. Smith, 1829):
TM: 45381.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 45422, 45423, 45424, 45425, 45426, 45427, 45428.
Nycticeinops schlieffenii (Peters, 1859):
TM: 45369.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 45382, 45415, 45416

SE 22029Ba:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 29612.
Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 30833. - **TM:** 41617.
Epomophorus crypturus Peters, 1852:
NHMZ: 30817, 31639.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 55. - **NHMZ:** 29929.
Hipposideros caffer (Sundevall, 1846):
DNSM: 63, 64, 65, 66, 67, 68, 70, 71, 74, 76. - **NHMZ:** 29919, 29931, 29932, 29933, 29934, 29935, 29936, 29937, 29938, 29939, 29940, 29941, 29942, 29943, 29944, 29945, 29970, 30209, 30671, 30795, 30796, 30797, 30798, 30799, 30800, 30801, 30802, 30803, 30804, 31656, 31657, 83895, 83896. - **TM:** 41438.
Hypsugo anchietae (Seabra, 1900):
NHMZ: 30870.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 30669.
Mops (Mops) midas (Sundevall, 1843):
NHMZ: 30860.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 29604.
Neoromicia nana (Peters, 1852):
DNSM: 73, 77, 78, 79, 80. - **NHMZ:** 29585, 29588, 29600, 29601, 29602, 29607, 29608, 29609, 30806, 30829. - **TM:** 41618, 41619, 41620, 41621, 41622.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 30808, 30865.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 41614.
Nycteris woodi K. Andersen, 1914:
NHMZ: 29667.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 72, 75. - **NHMZ:** 30668, 30832, 9889.
Pipistrellus hesperidus (Temminck, 1840):
NHMZ: 31667.
Pipistrellus rusticus (Tomes, 1861):
HZM: 3.3284, 4.3285, 5.3286. - **NHMZ:** 30663, 30823, 9891, 9892, 9893, 9896, 9901.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 31655. - **TM:** 10017.
Rhinolophus simulator K. Andersen, 1904:
NHMZ: 30807. - **TM:** 10024.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 62, 69. - **NHMZ:** 9908. - **TM:** 10016, 41439, 9983.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 30815, 9878. - **TM:** 41615.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 61. - **NHMZ:** 30830, 59517, 9877.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 29570, 30813. - **TM:** 41616.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 30859.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 29962

SE 22029Da:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 20409, 20410, 20411, 20412.
Nycteris woodi K. Andersen, 1914:
TM: 20413

SE 22029Dc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 19943.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 611.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 19790

SE 22029Bb:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 32968.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 57650.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 59302.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 61231.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 59301.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 57595, 61232.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 35441

SE 22029Db:

Chaerephon pumilus (Cretzschmar, 1826):
MNHN: ZM-2012-11, ZM-2012-12, ZM-2012-13, ZM-2012-14.
Mops (Mops) condylurus (A. Smith, 1833):
MNHN: ZM-2012-1, ZM-2012-10, ZM-2012-2, ZM-2012-3, ZM-2012-4, ZM-2012-5, ZM-2012-6, ZM-2012-7, ZM-2012-8, ZM-2012-9.
Scotophilus dinganii (A. Smith, 1833):
MNHN: ZM-2012-15

SE 22029Dd:

Hipposideros caffer (Sundevall, 1846):
TM: 4905.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 13594.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 13471, 13645.
Myotis tricolor (Temminck, 1832):
DNSM: 13595.
Neoromicia zuluensis (Roberts, 1924):
DNSM: 13580, 13581.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 13582, 13591, 13592, 13593.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 13590, 7227

SE 22030Ac:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 44199.
Neoromicia capensis (A. Smith, 1829):
DNSM: 5396, 5398. - **TM:** 44203.
Neoromicia zuluensis (Roberts, 1924):
DNSM: 5359, 5375.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 42517, 44200.
Nycticeinops schlieffenii (Peters, 1859):
TM: 44206.
Pipistrellus rusticus (Tomes, 1861):
DNSM: 5318, 5379, 5381, 5389, 5390, 5391, 5394, 5395, 5399, 5407, 5865, 5866, 5867.

Sauromys petrophilus (Roberts, 1917):
TM: 33473.
Scotophilus dinganii (A. Smith, 1833):
TM: 44205.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 44201

SE 22030Ca:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 384311, 384312, 384313, 384314, 384315, 384316, 384317, 384318, 384319, 384320, 384321, 384322, 384323, 384324, 384325, 384326, 384327, 384328, 384329, 384330, 384331, 384773, 384774, 384778, 384779.
Mops (Mops) midas (Sundevall, 1843):
USNM: 384305, 384306, 384307, 384308, 384309, 384310, 384771, 384772, 384776, 384777

SE 22030Cc:

Miniopterus natalensis (A. Smith, 1833):
TM: 39005, 39006, 39007

SE 22030Ad:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 20337, 20338.
Mops (Mops) midas (Sundevall, 1843):
TM: 20331, 20332, 20333, 20334, 20335, 20336.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 20313

SE 22030Cb:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
TM: 35447, 35448, 35449, 35450, 35451, 35452

SE 22030Cd:

Epomophorus crypturus Peters, 1852:
BMNH: 1909.3.2.3. - **TM:** 7473, 7474, 7474a, 7475, 7476, 7477, 7478, 7479, 7480, 7481, 7482, 7483, 7484, 7485, 7486, 7487.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1909.3.2.4.
Kerivoula lanosa (A. Smith, 1847):
TM: 8864.
Mops (Mops) condylurus (A. Smith, 1833):
KM: 31382.
Pipistrellus rusticus (Tomes, 1861):
KM: 31378.
Rhinolophus simulator K. Andersen, 1904:
TM: 25856.
Scotophilus dinganii (A. Smith, 1833):
TM: 2928

SE 23030Ab:

Scotophilus dinganii (A. Smith, 1833):
TM: 41665

SE 22030Bc:

Neoromicia nana (Peters, 1852):
NHMZ: 58750.
Nycticeinops schlieffenii (Peters, 1859):
NHMZ: 60496

SE 22030Bd:

Epomophorus crypturus Peters, 1852:
TM: 24660.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 44497, 44498.
Rhinolophus Lacépède, 1799:
TM: 44492.
Rhinolophus simulator K. Andersen, 1904:
TM: 44489, 44489a, 44491, 44493, 44494, 44495, 44496

SE 22030Db:

Epomophorus crypturus Peters, 1852:
CM: 69658. - **TM:** 29942.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 29927, 29941.
Hipposideros caffer (Sundevall, 1846):
TM: 7469, 7470, 7471.
Myotis welwitschii (Gray, 1866):
KNP: 129.
Neoromicia capensis (A. Smith, 1829):
CM: 69694, 69697, 69698, 69699, 69700, 69701, 69702. - **TM:** 30685, 30686, 7468.
Neoromicia zuluensis (Roberts, 1924):
CM: 69695, 69696. - **TM:** 30672, 30673, 37905.
Nycticeinops schlieffenii (Peters, 1859):
TM: 29924, 29943, 30678, 30679, 30680, 30681, 30682, 30683, 30684.
Pipistrellus rusticus (Tomes, 1861):
CM: 69685, 69686, 69687, 69688, 69689. - **TM:** 30674, 30675, 30677, 30687, 30688.
Scotophilus dinganii (A. Smith, 1833):
TM: 30668, 30669, 30670, 30671.
Scotophilus viridis (Peters, 1852):
TM: 30664, 30665, 30666, 30667

SE 22030Dd:

Neoromicia zuluensis (Roberts, 1924):
NMP: 95658

SE 22031Ac:

Chaerephon ansorgei (Thomas, 1913):
NHMZ: 60018. - **TM:** 38275, 38841, 48545, 48600.
Chaerephon bivittatus (Heuglin, 1861):
NHMZ: 60017.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 257461, 257471. - **NHMZ:** 59436, 84109. - **TM:** 36509, 36510, 36511, 36512, 36610, 36931, 37072, 37119, 38284, 38286, 39508, 48530, 48531, 48532, 48581.
Epomophorus crypturus Peters, 1852:
NHMZ: 84099, 84100. - **TM:** 48605, 48606, 48607.
Epomophorus wahlbergi (Sundevall, 1846):
CM: 69662, 69663, 69664. - **KM:** 31373. - **KNP:** 145. - **NMB:** 2823. - **TM:** 29833, 29834, 29840, 29841, 29842, 29867, 29868, 29869, 30540, 30542, 34243, 48561, 48562, 48563, 48585, 48604.
Eptesicus hottentotus (A. Smith, 1833):
CM: 93182. - **KNP:** 134. - **TM:** 34239, 36111, 36805, 36806, 36857, 36879, 38167.
Glauconycteris variegata (Tomes, 1861):
AMNH: 257397. - **NHMZ:** 60518. - **TM:** 34261, 36538, 36539, 37845, 48494, 48495, 48496.
Hipposideros caffer (Sundevall, 1846):
AMNH: 257175, 257176, 257177, 257186. - **KM:** 31375. - **NHMZ:** 84174, 84181, 84227. - **TM:** 30546, 34182, 36962, 36963, 36964, 36965, 36966, 36967, 36969, 38264, 39468, 48567, 48583, 48584, 48586.
Kerivoula argentata Tomes, 1861:
TM: 29839.
Macronycteris vittatus (Peters, 1852):
KNP: 167. - **TM:** 36473, 38882, 39497, 42004.
Miniopterus natalensis (A. Smith, 1833):
NHMZ: 84194. - **TM:** 29820, 36980, 36981, 37014, 37015, 37016.
Mops (Mops) condylurus (A. Smith, 1833):
KNP: 139. - **NHMZ:** 84141. - **TM:** 34348, 34349, 36868, 41998, 48511, 48512, 48513, 48514, 48541, 48543, 48544, 48601, 48602, 48603.
Mops (Mops) midas (Sundevall, 1843):
NHMZ: 33441, 59840, 59864, 59871, 59872, 59873, 59874, 59875, 59876, 59877, 59878, 59879, 59880, 59881, 59882, 59883. - **TM:** 36613, 39500.
Myotis bocagii (Peters, 1870):
TM: 34242.
Myotis bocagii bocagii (Peters, 1870):
AMNH: 257357.
Myotis tricolor (Temminck, 1832):
TM: 34241, 36784, 36867, 37846, 48507.
Neoromicia capensis (A. Smith, 1829):
AMNH: 257377. - **CM:** 69703, 69704, 69705, 98534, 98535, 98536. - **KNP:** 140. - **NHMZ:** 58903, 60476. - **TM:** 30485, 30486, 30489, 30535, 30536, 34225, 36123, 36124, 36125, 36431, 36436, 36437, 36439, 36536, 36560, 36561, 36615, 36618, 36629, 36630, 36632, 36707, 36708, 36710, 36713, 36758, 36760, 36796, 36839, 36864, 36909, 36919, 36920, 36921, 36929, 36930, 37000, 37032, 37035, 37036, 37037, 37068, 37081, 37120, 37226, 37227, 37231, 37437, 37811, 37819, 37823, 37862, 37921, 37922, 37927, 37930, 37931, 37932, 37933, 37941, 38164, 38168, 38285, 39460, 39496, 39507, 47135, 48570, 48598.
Neoromicia helios (Heller, 1912):

SNP: CHIR. KNP-UP-921. - **TM:** 48535, 48536, 48537, 48578, 48587.
Neoromicia nana (Peters, 1852):
KNP: 179. - **NHMZ:** 84138, 84192. - **TM:** 29854, 34212, 34219, 34220, 34221, 34222, 34223, 34237, 34238, 36117, 36120, 36647, 36709, 37812, 37816, 37817, 37818, 37820, 37822, 37866, 37919, 38604, 38605, 39463, 41999, 43862, 43863, 47143, 48505, 48508, 48509, 48533, 48534, 48571, 48572, 48573, 48597.
Neoromicia somalica (Thomas, 1901):
AMNH: 257395.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
CM: 93186, 98549. - **TM:** 34185, 34186, 34240, 34263, 36778, 37923, 37924, 37929, 37943, 37944, 37945, 38132, 38599, 39506.
Neoromicia zuluensis (Roberts, 1924):
CM: 98545, 98546, 98547. - **NHMZ:** 84193. - **TM:** 30534, 34213, 36118, 36631, 36705, 36706, 36759, 36846, 37001, 37017, 37436, 37863, 38169, 38603, 47139, 47142, 48506, 48596.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 257156. - **NHMZ:** 84225. - **TM:** 34191, 34192, 34236, 36100, 36637, 36970, 37913, 47151.
Nycteris woodi K. Andersen, 1914:
TM: 29857, 29894, 29898.
Nycticeinops schlieffenii (Peters, 1859):
AMNH: 257405, 257406, 257407, 257408. - **KNP:** 143, 178. - **NHMZ:** 60475, 84095. - **TM:** 30476, 30477, 30478, 30479, 30480, 30481, 30482, 30483, 30484, 30500, 30501, 30502, 30503, 30515, 30526, 30537, 30538, 30539, 30541, 34171, 34172, 34173, 34174, 34176, 34177, 34178, 34179, 34180, 34187, 34188, 34189, 34194, 34195, 34196, 34198, 34199, 34211, 34224, 34226, 34227, 35842, 36112, 36113, 36114, 36115, 36116, 36424, 36425, 36438, 36442, 36443, 36451, 36452, 36453, 36454, 36455, 36456, 36457, 36531, 36532, 36533, 36534, 36535, 36558, 36559, 36607, 36614, 36617, 36633, 36634, 36635, 36638, 36639, 36640, 36641, 36642, 36737, 36738, 36739, 36740, 36741, 36742, 36743, 36744, 36745, 36746, 36747, 36819, 36820, 36821, 36840, 36841, 36842, 36843, 36844, 36845, 36907, 36908, 36922, 36923, 36924, 36925, 36933, 36946, 36947, 36948, 37002, 37003, 37004, 37005, 37006, 37007, 37065, 37066, 37067, 37077, 37078, 37079, 37080, 37085, 37086, 37087, 37121, 37122, 37123, 37125, 37126, 37127, 37128, 37129, 37130, 37131, 37132, 37224, 37225, 37232, 37268, 37269, 37270, 37271, 37280, 37429, 37430, 37431, 37432, 37433, 37434, 37435, 37657, 37658, 37659, 37660, 37722, 37723, 37724, 37725, 37726, 37727, 37728, 37729, 37730, 38145, 38146, 38147, 38148, 38152, 38156, 38157, 38158, 38159, 38160, 38161, 38715, 38835, 38836, 38837, 38840, 39461, 39462, 42000, 42001, 42005, 47136, 47138, 47140, 47141, 47145, 48498, 48500, 48501, 48502, 48546, 48547, 48548, 48549, 48550, 48551, 48568, 48569.
Pipistrellus hesperidus (Temminck, 1840):
KNP: 144. - **TM:** 36619, 36783.
Pipistrellus rueppellii (Fischer, 1829):
CM: 93189. - **NHMZ:** 60463, 60464. - **TM:** 36122, 36609, 36934, 37034, 37074, 37908, 38279, 48599.
Pipistrellus rusticus (Tomes, 1861):
AMNH: 257373, 257393, 257394. - **KNP:** 142, 144A. - **NHMZ:** 84078, 84137. - **TM:** 30490, 30491, 30492, 30493, 30494, 30495, 30496, 30497, 30498, 30512, 30513, 30514, 30527, 34175, 34190, 34197, 34200, 34218, 34264, 36119, 36121, 36427, 36428, 36429, 36440, 36441, 36711, 36712, 36714, 36775, 36776, 36777, 36782, 36790, 36792, 36793, 36794, 36795, 36813, 36814, 36815, 36816, 36817, 36818, 36838, 36982, 36983, 37075, 37076, 37661, 37809, 37810, 37821, 37847, 37860, 37861, 37920, 37925, 37926, 37928, 38606, 38716, 39501, 39502, 39911, 39912, 39913, 47137, 47144, 48523, 48524, 48525, 48526, 48527, 48579.
Rhinolophus Lacépède, 1799:
TM: 40523.
Rhinolophus blasii Peters, 1867:
TM: 37039.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 36968.
Rhinolophus darlingi K. Andersen, 1905:
NHMZ: 58388, 84092. - **TM:** 36972, 42008, 42009.
Rhinolophus fumigatus Rüppell, 1842:
KNP: 141, 149, 86. - **TM:** 30472, 34262, 36608, 36611, 36789, 36812, 36878, 36935, 36936, 40833, 40834, 40835, 41726, 48510, 48529.
Rhinolophus lobatus Peters, 1852:
TM: 36866, 38131, 48582.
Rhinolophus rhodesiae Roberts, 1946:
KNP: 135, 166. - **TM:** 34210, 34265, 36101, 36937, 36938, 36971, 37040.
Rhinolophus simulator K. Andersen, 1904:
TM: 36476, 37940, 37942, 38852, 40837.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
KNP: 03, 136, 148. - **TM:** 23950, 36475, 36612, 36636, 36720, 36788, 37073, 37084, 37410, 37490, 37939, 40826, 40829, 40830, 40831, 40832, 40836, 41997, 42006, 42007, 46434, 46435, 46436, 46437.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KNP: 158, 159, 160. - **NHMZ:** 84200. - **TM:** 29859, 29870, 29878, 30504, 30505, 30506, 30516, 30517, 30525, 30543, 30544, 34201, 34202, 34203, 34204, 34205, 34206, 34207, 34208, 34209, 34214, 34215, 34216, 34217, 34234, 34235, 36102, 36103, 36104, 36105, 36106, 36430, 36444, 36445, 36446, 36447, 36448, 36449, 36450, 36458, 36459, 36548, 36597, 36598, 36599, 36600, 36601, 36620, 36621, 36622, 36623, 36624, 36761, 36762, 36763, 36764, 36765, 36785, 36786, 36787, 36849, 36855, 36856, 36858, 36859, 36860, 36861, 36862, 36863, 36872, 36926, 36932, 36949, 36950, 36951, 36952, 36953, 36954, 36955, 36956, 36957, 36988, 36989, 36990, 36991, 36992, 36993, 36994, 36995, 36996, 36997, 36998, 37063, 37064, 37070, 37071, 37088, 37089, 37090, 37104, 37105, 37106, 37107, 37109, 37110, 37111, 37124, 37209, 37210, 37211, 37228, 37229, 37230, 37263, 37264, 37265, 37266, 37277, 37278, 37279, 37418, 37419, 37420, 37421, 37422, 37423, 37424, 37425, 37426, 37427, 37428, 37652, 37653, 37654, 37744, 37745, 37746, 37867, 37868, 37891, 37892, 37893, 37894, 37895, 37896, 38076, 38077, 38078, 38079, 38080, 38081, 38082, 38083, 38084, 38085, 38163, 42002, 42003, 47146, 47147, 47148, 47149, 48492, 48521, 48522, 48564, 48565, 48566, 48574, 48575, 48580.
Scotophilus Leach, 1821:

TM: 29970, 34167, 34170, 36108, 36109, 36110, 36432, 36460, 36461, 36464, 36467, 36468, 36472, 36552, 36553, 36554, 36555, 36556, 36606, 36628, 36643, 36644, 36645, 36646, 36715, 36717, 36718, 36722, 36726, 36748, 36749, 36750, 36751, 36752, 36753, 36754, 36755, 36756, 36757, 36809, 36810, 36835, 36836, 36847, 36848, 36850, 36851, 36865, 36910, 36911, 36912, 36913, 36915, 36916, 36917, 36918, 36939, 36940, 36941, 36942, 36945, 36958, 36959, 37008, 37009, 37010, 37011, 37012, 37030, 37038, 37135, 37136, 37137, 37138, 37139, 37140, 37141, 37142, 37143, 37144, 37145, 37146, 37213, 37214, 37215, 37216, 37217, 37218, 37219, 37220, 37221, 37222, 37455, 37456, 37457, 37458, 37459, 37460, 37461, 37462, 37673, 37689, 37690, 37700, 37701, 37731, 37732, 37733, 37734, 37735, 37736, 37737, 37738, 37739, 37915, 38124, 38125, 38126, 38127, 38128, 38129, 38130, 38140, 38141, 38142, 38143, 38144, 38149, 38162, 38165, 38166.
Scotophilus dinganii (A. Smith, 1833):
KNP: 138. - **NHMZ:** 59090, 84097, 84208. - **TM:** 30448, 30487, 30507, 30508, 30509, 30547, 30548, 30549, 30550, 34232, 34233, 34244, 34245, 34246, 34247, 34248, 34249, 34250, 36107, 36487, 36488, 36537, 36549, 36550, 36551, 36602, 36603, 36604, 36605, 36616, 36625, 36626, 36627, 36716, 36719, 36721, 36723, 36724, 36811, 36833, 36834, 36837, 36870, 36871, 36904, 36905, 36906, 36914, 36927, 36928, 36943, 36944, 36999, 37013, 37027, 37028, 37029, 37031, 37069, 37082, 37133, 37134, 37147, 37148, 37212, 37233, 37267, 37272, 37273, 37274, 37275, 37276, 37655, 37656, 37668, 37669, 37691, 37704, 37740, 37741, 37742, 37743, 37747, 37748, 37749, 37750, 37751, 37752, 37753, 37754, 37755, 37756, 37757, 37758, 37759, 37760, 37761, 37762, 37763, 37764, 37765, 37766, 37813, 37814, 37815, 37855, 37914, 37916, 37917, 37918, 38150, 38151, 38287, 38288, 38289, 39503, 39504, 39505, 46427, 46428, 46429, 46431, 46432, 48497, 48499, 48503, 48504, 48517, 48518, 48519, 48520, 48538, 48539, 48540, 48576, 48577, 48590, 48591, 48593, 48594.
Scotophilus leucogaster (Cretzschmar, 1826):
KM: 31379. - **TM:** 48516, 48553, 48558, 48559, 48560, 48595.
Scotophilus nigrita (Schreber, 1774):
SNP: CHIR. KNP-UP-742.
Scotophilus viridis (Peters, 1852):
AMNH: 257415, 257416, 257417, 257418, 257419, 257420, 257421. - **KNP:** 137, 147, 174, 175, 176, 177. - **NHMZ:** 84209. - **TM:** 30488, 30510, 30511, 30524, 30528, 30529, 30530, 30551, 30552, 34166, 34168, 34169, 34193, 34228, 34229, 34230, 34231, 34251, 34252, 34253, 34254, 34255, 34256, 34257, 34258, 34259, 34260, 39482, 46430, 48515, 48552, 48554, 48555, 48556, 48557, 48589, 48592.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 60014, 84094, 84195. - **TM:** 12587, 34183, 34184, 36807, 36808, 36852, 36853, 36854, 36869, 36979, 40827.
Tadarida fulminans (Thomas, 1903):
KNP: 168. - **TM:** 36474, 37033, 37083.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 257150. - **NHMZ:** 30715. - **TM:** 38278, 39498, 39499, 48493, 48528, 48542, 48588

SE 22031Ca:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 257462, 257463, 257464. - **KNP:** 60, 61, 80. - **TM:** 12993, 12994, 12995, 12996, 12997, 13538, 13539, 29950, 29951, 29952, 29953, 29954, 29955, 29956, 29957, 29958, 30580, 30581, 30598, 30609, 30610, 30611, 30612, 30625, 30626, 30627, 30648, 30676.
Epomophorus crypturus Peters, 1852:
KNP: 52, 53. - **TM:** 12985, 12986, 12987.
Eptesicus hottentotus (A. Smith, 1833):
TM: 36780.
Hipposideros caffer (Sundevall, 1846):
KNP: 79. - **KU:** 163983, 163984.
Laephotis botswanae Setzer, 1971:
TM: 38123, 38153, 38154, 38155.
Macronycteris vittatus (Peters, 1852):
TM: 39492.
Miniopterus natalensis (A. Smith, 1833):
KNP: 78. - **TM:** 29949.
Mops (Mops) midas (Sundevall, 1843):
TM: 30582, 30583.
Neoromicia Roberts, 1926:
KNP: 180.
Neoromicia capensis (A. Smith, 1829):
AMNH: 257378, 257379, 257380, 257387. - **CM:** 69693, 98537, 98538, 98539, 98540, 98541, 98542, 98543, 98544. - **TM:** 29903, 30654, 36772, 36773, 36774, 36779, 36801, 36802, 36803, 36804, 36887, 36888, 37291, 39483, 39484.
Neoromicia somalica (Thomas, 1901):
AMNH: 257396.
Neoromicia zuluensis (Roberts, 1924):
CM: 98548.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 12992.
Nycticeinops schlieffenii (Peters, 1859):
AMNH: 257409. - **KNP:** 122, 32. - **TM:** 29915, 30655, 37292, 37293, 37294, 39471, 39472, 39473, 39474, 39475, 39476, 39485, 39486, 39488, 39489, 39490, 39491, 39494, 39495, 7092.
Pipistrellus hesperidus (Temminck, 1840):
KNP: 128. - **TM:** 38515, 38516, 38517, 38518.
Pipistrellus rusticus (Tomes, 1861):
AMNH: 257374, 257375. - **CM:** 69681, 69682, 69683, 69684, 98557, 98558. - **KNP:** 127. - **TM:** 29902, 29904, 29905, 30574, 30584, 30613, 30649, 30650, 30651, 30652, 30653, 39477, 39478, 39479, 39480, 39487.

Rhinolophus clivosus Cretzschmar, 1828:
KNP: 54.
Rhinolophus darlingi K. Andersen, 1905:
TM: 36987.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
KNP: 21, 77.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 257439, 257440. - **KNP:** 107, 181, 182. - **TM:** 30572, 30573, 30588, 30589, 30590, 30591, 30592, 30593, 30594, 30595, 30596, 30597, 30633, 30634, 30635, 30644, 30645, 30646, 30647, 30657, 30658, 30659, 30660, 30661, 30662, 30663, 36766, 36767, 36768, 36769, 36770, 36771, 36797, 36798, 36799, 36800, 36889, 36890, 36891, 36892, 36984, 36985, 37285, 37286, 37287, 37288, 37289, 37290, 38087, 38088, 38089, 38090, 38119, 38120, 38121, 38122.
Scotophilus leucogaster (Cretzschmar, 1826):
TM: 30601, 30603, 30604.
Scotophilus viridis (Peters, 1852):
AMNH: 257426. - **TM:** 29934, 30599, 30600, 30602, 30605, 30606, 30607, 30608, 30617, 30618, 30619, 30620, 30621, 30622, 30623, 30624, 30631, 30632, 30656, 39481.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 39493.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 36781, 40997

SE 22031Cc:

Epomophorus crypturus Peters, 1852:
TM: 29967.
Neoromicia zuluensis (Roberts, 1924):
KNP: 64B.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 29968

SE 22031Ab:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 59506.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 58590

SE 22031Ad:

Chaerephon pumilus (Cretzschmar, 1826):
KM: 31384. - **KNP:** 123. - **TM:** 29845, 29846, 29847, 38846, 38847, 38850.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 257147, 257148. - **KNP:** 117, 118, 157.
Glauconycteris variegata (Tomes, 1861):
KNP: 105, 124. - **SNP:** CHIR. NKW 105, CHIR. NKW 124. - **TM:** 29882, 29899, 37223, 38519, 38520.
Hipposideros caffer (Sundevall, 1846):
TM: 38522, 38851.
Kerivoula argentata Tomes, 1861:
KNP: 126. - **SNP:** CHIR. NKW 126.
Kerivoula lanosa (A. Smith, 1847):
TM: 36960.
Mops (Mops) condylurus (A. Smith, 1833):
KNP: 150. - **TM:** 36880, 36881, 36882.
Mops (Mops) midas (Sundevall, 1843):
KNP: 151. - **TM:** 36873, 36874, 36875, 36876, 36877, 36885, 36886, 36978, 38277, 38844, 38845, 38848, 38849, 41729.
Myotis bocagii (Peters, 1870):
KNP: 125. - **TM:** 29843, 29844, 29855, 29880, 29881, 29888, 29889, 29900, 29901, 30521, 30553, 36595, 36596, 36883, 38283.
Myotis tricolor (Temminck, 1832):
TM: 29856.
Neoromicia capensis (A. Smith, 1829):
CM: 69692. - **TM:** 37451, 37452, 37679, 37681, 37692, 37693, 37834, 37835, 37836, 37837, 37838, 37839, 37840, 37843, 37850, 37851, 37859, 37935, 37936, 38842, 39464, 41732, 41733, 41734, 41735, 41736.
Neoromicia nana (Peters, 1852):
AMNH: 257361, 257362. - **CM:** 93266. - **TM:** 30522, 37841, 37842, 37849, 37856, 37857, 37907, 38523, 38607, 38608, 38609, 38610, 38611, 38612, 39465, 39466, 39467, 41731.
Neoromicia somalica (Thomas, 1901):
LACM: 85681.
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017:
TM: 37680, 37833, 37844, 37852, 37858, 37906, 37937, 38843.
Neoromicia zuluensis (Roberts, 1924):
TM: 36426, 37678, 37938.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KNP: 121, 29, 30, 31. - **TM:** 37904, 38086, 38282, 38838, 38839.
Nycteris woodi K. Andersen, 1914:

TM: 38521.
Nycticeinops schlieffenii (Peters, 1859):
TM: 36694, 36695, 36696, 36697, 36698, 36699, 36700, 36701, 36702, 36703, 36973, 36974, 36975, 36976, 37203, 37450, 37676, 37694, 37695, 37696, 37715.
Pipistrellus hesperidus (Temminck, 1840):
TM: 37697, 41658.
Pipistrellus rueppellii (Fischer, 1829):
TM: 36791.
Pipistrellus rusticus (Tomes, 1861):
SNP: CHIR. NKW 127. - **TM:** 30545, 37909, 37910, 37911, 37912, 38613, 38614.
Rhinolophus darlingi K. Andersen, 1905:
TM: 36986.
Rhinolophus lobatus Peters, 1852:
KNP: 81, 82, 83.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
KNP: 120. - **TM:** 29835, 29848, 29858, 36961, 37897.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KNP: 116, 119. - **SNP:** CHIR. NKW 116, CHIR. NKW 119. - **TM:** 36544, 36545, 36546, 36547, 36585, 36586, 36680, 36681, 36682, 36683, 36684, 36685, 36686, 36687, 36688, 36689, 37205, 37206, 37207, 37208, 37283, 37284, 37662, 37663, 37664, 37665, 37666, 37667, 37716, 37717, 37718, 37719, 37720, 37721, 37829, 37830, 37831, 37832.
Scotophilus Leach, 1821:
TM: 37453, 37454, 37670, 37671, 37672, 37674, 37675, 37714, 37824, 37825, 37826, 37827, 37828, 37853, 37899, 37900, 37903, 37934.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 257432, 257433, 257434, 257435, 257436, 257437, 257438. - **TM:** 36433, 36434, 36435, 36462, 36463, 36465, 36466, 36469, 36470, 36471, 36557, 36704, 36977, 37204, 37440, 37441, 37442, 37443, 37444, 37445, 37446, 37447, 37448, 37449, 37651, 37713, 37854, 37898, 37901, 37902, 38280, 38281.
Scotophilus viridis (Peters, 1852):
AMNH: 257422, 257423, 257424, 257425.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 29890, 36884.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 36594, 41727, 41728.
VESPERTILIONIDAE Gray, 1821:
TM: 37682

SE 22031Cb:

Hipposideros caffer (Sundevall, 1846):
KNP: 131, 132.
Neoromicia capensis (A. Smith, 1829):
KNP: 27, 28.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KNP: 133.
Rhinolophus fumigatus Rüppell, 1842:
KNP: 130.
Rhinolophus lobatus Peters, 1852:
TM: 30554

SE 22031Cd:

Miniopterus natalensis (A. Smith, 1833):
KNP: 23, 24, 25, 26.
Neoromicia capensis (A. Smith, 1829):
CM: 69690, 69691.
Nycticeinops schlieffenii (Peters, 1859):
TM: 30555.
Scotophilus dinganii (A. Smith, 1833):
KNP: 113. - **TM:** 30562.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
KNP: 112

SE 22031Da:

Hipposideros caffer (Sundevall, 1846):
CZL: 4800715.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
CZL: 4800714

SE 22032Dd:

Hipposideros caffer (Sundevall, 1846):
USNM: 352043, 352044, 352045, 352046, 352047

SE 22033Dc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 352117, 352118, 352119, 352120, 352121, 352122, 352123, 352124, 352125, 352126, 352127, 352128, 352129.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 352134, 352135, 352136, 352137, 352138, 352139, 352140, 352141, 352142, 352143, 352144, 352145, 352146, 352147, 352148, 352149, 352150, 352151

SE 22035Ac:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 60.
Scotophilus viridis (Peters, 1852):
DNSM: 59

SE 22043Ab:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 176158.
Myotis goudoti (A. Smith, 1834):
FMNH: 176166

SE 22043Ad:

Miniopterus majori Thomas, 1906:
MNHN: ZM-MO-1984-1088, ZM-MO-1984-1089, ZM-MO-1984-1090, ZM-MO-1984-1091, ZM-MO-1984-1094, ZM-MO-1984-1095

SE 22043Cb:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1985-484, ZM-MO-1985-485, ZM-MO-1985-486. - **UADBA:** 43405

SE 22043Dc:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 176155, 176156, 176157, 176163, 176164.
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 176167, 176168, 176169, 176170.
Myotis goudoti (A. Smith, 1834):
UADBA: 32385

SE 22044Dc:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 184259, 184263, 184264.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
YPM: MAM 005516.
Mops (Mops) midas (Sundevall, 1843):
FMNH: 184306, 218092, 218093. - **UADBA:** 50257, 50258, 50259, 50261, 50262.
Mormopterus jugularis (Peters, 1865):
FMNH: 184347. - **MNHN:** ZM-MO-1984-1206, ZM-MO-1985-454, ZM-MO-1985-455, ZM-MO-1985-456, ZM-MO-1985-457, ZM-MO-1985-458, ZM-MO-1985-459, ZM-MO-1985-460, ZM-MO-1985-461, ZM-MO-1985-661, ZM-MO-1985-662, ZM-MO-1985-663, ZM-MO-1985-664, ZM-MO-1985-665, ZM-MO-1985-666, ZM-MO-1985-667, ZM-MO-1985-668, ZM-MO-1985-682, ZM-MO-1985-683, ZM-MO-1985-684, ZM-MO-1985-685, ZM-MO-1985-686, ZM-MO-1985-687, ZM-MO-1985-688, ZM-MO-1985-689, ZM-MO-1985-690, ZM-MO-1985-691, ZM-MO-1985-692, ZM-MO-1985-693, ZM-MO-1985-694, ZM-MO-1985-695, ZM-MO-1985-696, ZM-MO-1985-697, ZM-MO-1985-698, ZM-MO-1985-699, ZM-MO-1985-700, ZM-MO-1985-701, ZM-MO-1985-702, ZM-MO-1985-703, ZM-MO-1985-704, ZM-MO-1985-705, ZM-MO-1985-706, ZM-MO-1985-707, ZM-MO-1985-708, ZM-MO-1985-709, ZM-MO-1985-710, ZM-MO-1985-711, ZM-MO-1985-712, ZM-MO-1985-713, ZM-MO-1985-714, ZM-MO-1985-715, ZM-MO-1985-716, ZM-MO-1985-717, ZM-MO-1985-718, ZM-MO-1985-719, ZM-MO-1985-720, ZM-MO-1985-721, ZM-MO-1985-722, ZM-MO-1985-723, ZM-MO-1985-724, ZM-MO-1985-725, ZM-MO-1985-726, ZM-MO-1985-727, ZM-MO-1985-728, ZM-MO-1985-729, ZM-MO-1985-730, ZM-MO-1985-731, ZM-MO-1985-732, ZM-MO-1985-733, ZM-MO-1985-734, ZM-MO-1985-735, ZM-MO-1985-736, ZM-MO-1985-737, ZM-MO-1985-738, ZM-MO-1985-739, ZM-MO-1985-740, ZM-MO-1985-741, ZM-MO-1985-742, ZM-MO-1985-743, ZM-MO-1985-744, ZM-MO-1985-745, ZM-MO-1985-746, ZM-MO-1985-747, ZM-MO-1985-748. - **ROM:** 42525, 42526, 42527, 42528, 42529, 42530, 42531, 42532, 42533, 42534, 42535, 42536, 42537, 42538, 42539, 42540, 42541, 42542, 42570, 42571, 42572, 42573.
Pipistrellus hesperidus (Temminck, 1840):
FMNH: 151940.
Scotophilus robustus A. Milne-Edwards, 1881:
FMNH: 151939

SE 22044Dd:

Miniopterus gleni Peterson, Eger and Mitchell, 1995:
ROM: 42714.
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995):

ROM: 42713

SE 22045Aa:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
ZMB: 6010.
Miniopterus Bonaparte, 1837:
ZMB: 6012.
Mormopterus jugularis (Peters, 1865):
ZMB: 6011.
Neoromicia matroka (Thomas and Schwann, 1905):
NMW: 27455

SE 22045Ca:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 218014, 218016, 218017, 218018, 218019, 218020. - **UADBA:** 50268, 50269, 50271, SMG-17391, SMG-17392, SMG-17393, SMG-17394, SMG-17395.
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007:
FMNH: 218035, 218037. - **UADBA:** 50164

SE 22045Ad:

Chaerephon jobimena Goodman and Cardiff, 2004:
FMNH: 175992.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 175962, 175963, 175964, 175965, 175966, 175967, 175968, 175969, 175971, 175972, 175973, 175974, 175975, 175976, 175977, 217940.
Macronycteris cryptovalorona (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016):
FMNH: 175970.
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 175991.
Myotis goudoti (A. Smith, 1834):
FMNH: 175986, 175987. - **UADBA:** 50345.
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995):
FMNH: 175989, 222723. - **UADBA:** 43680, 43681

SE 22045Cb:

Eidolon dupreanum (Schegel, 1867):
FMNH: 218013.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 175961, 218012. - **UADBA:** SMG-17320, SMG-17322.
Neoromicia malagasyensis (Peterson, Eger and Mitchell, 1995):
FMNH: 175988, 222724.
Neoromicia matroka (Thomas and Schwann, 1905):
FMNH: 217941.
Otomops madagascariensis Dorst, 1953:
FMNH: 166073

SE 22046Ac:

Eidolon dupreanum (Schegel, 1867):
ROM: 42718.
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 184470, 184471, 184472, 184473.
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007:
FMNH: 184467, 184468.
Mormopterus jugularis (Peters, 1865):
FMNH: 217979, 222689, 222690, 222697. - **ROM:** 42715, 42716, 42717. - **UADBA:** 32349, 32351, 33730, 33731, 33732, 33733, 33734, 33735, 33736, 33737, 33738

SE 22046Ab:

Neoromicia matroka (Thomas and Schwann, 1905):
FMNH: 184453, 184459, 222725, 222726

SE 22046Bb:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 151706.
Miniopterus Bonaparte, 1837:
FMNH: 151714, 151718

SE 22046Db:

Neoromicia capensis (A. Smith, 1829):
MNHN: ZM-MO-1985-1052

SE 22047Aa:

Neoromicia matroka (Thomas and Schwann, 1905):
FMNH: 167660

SE 22047Ab:

Miniopterus Bonaparte, 1837:
FMNH: 209162

SE 22047Bd:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 185283, 185284, 185285, 185286, 185287, 185288, 185289, 185290, 185291, 185292, 185293, 185294, 185295, 185296, 185297, 185298, 185299, 185300, 185301, 185302, 185303, 185304, 185305

SE 22047Dd:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 185259, 185260, 185261, 185262, 185263, 185264, 185265, 185266, 185267, 185268

SE 22048Aa:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 185306, 185307, 185308, 185309, 185310, 185311, 185312, 185313, 185314, 185315, 185316, 185317, 185318.
Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 185228

SE 23014Ba:

Miniopterus natalensis (A. Smith, 1833):
SMW: 2685. - **TM:** 43177

SE 23015Aa:

Sauromys petrophilus (Roberts, 1917):
SMW: 7580

SE 23015Ca:

Eidolon helvum (Kerr, 1792):
SMW: 6867.
Eptesicus Rafinesque, 1820:
USNM: 537299.
Eptesicus hottentotus (A. Smith, 1833):
NHMZ: 64056, 64057. - **USNM:** 342151.
Laephotis namibensis Setzer, 1971:
USNM: 342152, 342153.
Miniopterus natalensis (A. Smith, 1833):
USNM: 537300.
Neoromicia capensis (A. Smith, 1829):
TM: 14773, 14774.
Neoromicia nana (Peters, 1852):
NHMZ: 63155.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 64058, 64060, 64061, 64062, 64063, 64064, 64065, 64067, 64069, 64070, 64071. - **TM:** 27592, 27593.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 11788. - **TM:** 15164, 15165, 15166. - **USNM:** 342149, 342150, 537291, 537292, 537293, 537294, 537295, 537296, 537297, 537298.
Rhinolophus damarensis Roberts, 1946:
SMW: 7071. - **TM:** 12925.
Sauromys petrophilus (Roberts, 1917):
NHMZ: 62511. - **TM:** 27594, 27595, 27596, 27597, 27598, 27599, 27600, 27601, 27602, 27603.
Sauromys petrophilus erongensis (Roberts, 1946):
BMNH: 1973.522. - **USNM:** 342154, 342155, 342156

SE 23015Ab:

Sauromys petrophilus (Roberts, 1917):
SMW: 7581

SE 23015Ba:

Sauromys petrophilus (Roberts, 1917):
SMW: 7579. - **TM:** 28890, 28891, 28894, 28895. - **USNM:** 537302, 537303, 537304, 537305, 537306

SE 24016Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZFMK: 1959.0417, 1959.0419, 1959.0420, 1959.0421, 1959.0422

SE 23016Bc:

Eptesicus hottentotus (A. Smith, 1833):
USNM: 379803, 379804

SE 23017Ac:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 77505

SE 23017Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 12234

SE 23018Bc:

HIPPOSIDERIDAE Lydekker, 1891:
MNHN: ZM-MO-2001-1559.
Macronycteris vittatus (Peters, 1852):
MNHN: ZM-MO-2001-1560, ZM-MO-2001-1561.
Miniopterus natalensis (A. Smith, 1833):
MNHN: ZM-MO-2001-1562.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MNHN: ZM-MO-2001-1554, ZM-MO-2001-1555, ZM-MO-2001-1556, ZM-MO-2001-1557, ZM-MO-2001-1558

SE 23019Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 6555

SE 24022Aa:

Neoromicia capensis (A. Smith, 1829):
USNM: 425338, 425339, 425340

SE 23024Ad:

Miniopterus natalensis (A. Smith, 1833):
TM: 6557.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 64144

SE 23026Cd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMNS: 5036

SE 23026Dd:

Scotophilus dinganii (A. Smith, 1833):
TM: 2055, 2056

SE 23027Ad:

Sauromys petrophilus (Roberts, 1917):
TM: 14074, 14081, 14082, 14083, 14094

SE 23027Dc:

Neoromicia zuluensis (Roberts, 1924):
TM: 19372

SE 23027Db:

Neoromicia capensis (A. Smith, 1829):
USNM: 342624, 342625.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 42871

SE 23027Dd:

Neoromicia capensis (A. Smith, 1829):
TM: 19950, 40932.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
CM: 46786. - **TM:** 19961, 19962, 19963, 19964, 19965, 20006, 41159.
Pipistrellus rusticus (Tomes, 1861):
TM: 19970.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 27685, 27686, 40938

SE 24027Bb:

Rhinolophus darlingi K. Andersen, 1905:
TM: 44198.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 44196

SE 23028Cc:

Laephotis botswanae Setzer, 1971:
TM: 39796.
Neoromicia capensis (A. Smith, 1829):
TM: 39793, 39899.
Pipistrellus rusticus (Tomes, 1861):
TM: 39791

SE 23028Cb:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 13550.
Hipposideros caffer (Sundevall, 1846):
DNSM: 13574, 13596.
Laephotis botswanae Setzer, 1971:
DNSM: 13626.
Myotis tricolor (Temminck, 1832):
DNSM: 13577, 13632, 13633.
Myotis welwitschii (Gray, 1866):
DNSM: 13579.
Neoromicia capensis (A. Smith, 1829):
TM: 23327.
Neoromicia nana (Peters, 1852):
DNSM: 13576.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 23307, 23308, 23309, 23310, 23311.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 13573, 13575.
Pipistrellus rusticus (Tomes, 1861):
TM: 23328.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 13631.
Scotophilus dinganii (A. Smith, 1833):
TM: 23326

SE 23028Cd:

Neoromicia zuluensis (Roberts, 1924):
TM: 39792, 39794, 39795.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 24722, 24723

SE 23028Ba:

Neoromicia capensis (A. Smith, 1829):
TM: 44606.
Rhinolophus blasii Peters, 1867:
TM: 44937.
Rhinolophus darlingi K. Andersen, 1905:
TM: 44605

SE 23028Bc:

Scotophilus dinganii (A. Smith, 1833):
TM: 23339.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 23335

SE 23029Aa:

Eptesicus hottentotus (A. Smith, 1833):
DNSM: 13636, 13638.
Hipposideros caffer (Sundevall, 1846):
TM: 24067, 24082.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 13634, 13635.
Neoromicia capensis (A. Smith, 1829):
DNSM: 13583, 13584, 13589. - **TM:** 24083, 24084, 24085, 24086, 24088, 24089, 24104.
Neoromicia zuluensis (Roberts, 1924):
TM: 24087.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 13585.
Pipistrellus rusticus (Tomes, 1861):
DNSM: 13586, 13587, 13588.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 13637.
Sauromys petrophilus (Roberts, 1917):
TM: 24081, 24103

SE 23029Ab:

Epomophorus Bennett, 1836:
DNSM: 13544.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 13543.
Eptesicus hottentotus (A. Smith, 1833):
DNSM: 13542.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 13472, 13473, 13474, 13481, 13486, 13487, 13488, 13489, 13490, 13491, 13536, 13537, 13538, 13539, 13545.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 13482, 13484, 13485, 9159.
Rhinolophus darlingi K. Andersen, 1905:
DNSM: 13483, 13535, 13546.
Tadarida ventralis (Heuglin, 1861):
DNSM: 14680

SE 23029Cb:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 34133, 34134

SE 23029Cd:

Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
ROM: 77786.
Scotophilus dinganii (A. Smith, 1833):
TM: 2871, 2872.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 42530, 42531

SE 23029Da:

Sauromys petrophilus (Roberts, 1917):
TM: 24277, 24278, 24279, 24280, 25409, 25607, 25608, 25609, 25611, 25612.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 25604, 25610

SE 23029Bb:

Eptesicus hottentotus (A. Smith, 1833):
DNSM: 13497, 13498. - **TM:** 45354, 45355, 45356.
Glauconycteris variegata (Tomes, 1861):
TM: ?.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 13549.
Mops (Mops) midas (Sundevall, 1843):
DNSM: 13515, 13578, 13625.
Neoromicia capensis (A. Smith, 1829):
TM: 43149, 43150, 43151, 43152.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 13195, 13492, 13493, 13494, 13496, 13547, 13548, 13609, 13610, 13611, 13612. - **TM:** 45357.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 13525, 13533, 13607, 13624, 13629, 13630.
Rhinolophus darlingi K. Andersen, 1905:
DNSM: 13606.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 13532.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 13534, 13608.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: 41656, 41657.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 13616

SE 23029Bd:

Neoromicia capensis (A. Smith, 1829):
TM: 24174

SE 23029Db:

Hipposideros caffer (Sundevall, 1846):
TM: 44233

SE 23029Dd:

Miniopterus natalensis (A. Smith, 1833):
USNM: 384304.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 384292, 384293, 384294, 384295, 384296, 384297, 384298, 384299, 384300, 384301, 384302, 384303

SE 24029Bb:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 23713

SE 23030Aa:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 39003.
Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 41637, 41638, 41639.
Miniopterus natalensis (A. Smith, 1833):
TM: 41640, 41641, 41642, 41643, 41644, 41645, 41646.
Neoromicia nana (Peters, 1852):
TM: 39004.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 13614, 13615.
Pipistrellus rusticus (Tomes, 1861):
DNSM: 13613.
Rhinolophus simulator K. Andersen, 1904:
TM: 25854, 25855.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 39002

SE 23030Ca:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 47155, 47156, 8908.
Hipposideros caffer (Sundevall, 1846):
TM: 3035, 3036.

Miniopterus natalensis (A. Smith, 1833):
TM: 41019.
Neoromicia capensis (A. Smith, 1829):
TM: 2544, 3037, 3038.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 2542, 2866, 2867, 2868, 2869, 3033, 9987.
Rhinolophus simulator K. Andersen, 1904:
TM: 8907.
Scotophilus dinganii (A. Smith, 1833):
TM: 2870, 2873, 2929, 3034.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 8725

SE 23030Cc:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 46008.
Epomophorus crypturus Peters, 1852:
TM: 979.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 13536, 980, 981.
Hipposideros caffer (Sundevall, 1846):
TM: 7084.
Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 42120.
Miniopterus natalensis (A. Smith, 1833):
TM: 1127.
Myotis bocagii (Peters, 1870):
TM: 42121.
Myotis tricolor (Temminck, 1832):
TM: 42205.
Pipistrellus hesperidus (Temminck, 1840):
TM: 1086, 1087, 41043.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: 40992.
Scotophilus dinganii (A. Smith, 1833):
TM: 7086, 7087.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 1097. - **USNM:** 384775

SE 23030Ab:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: 36540, 36541, 36542, 36543

SE 23030Cb:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 25265, 25266.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 25264

SE 23030Cd:

Hipposideros caffer (Sundevall, 1846):
TM: 38567, 38568.
Pipistrellus rusticus (Tomes, 1861):
TM: 38262.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: 14055, 14056, 14057

SE 23030Da:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 24574, 24575, 24576, 24577, 24578, 24579, 24580, 24581, 24582, 24583, 24584, 24599.
Neoromicia capensis (A. Smith, 1829):
TM: 41109, 41110.
Nycticeinops schlieffenii (Peters, 1859):
TM: 24598, 41111, 41112.
Rhinolophus Lacépède, 1799:
TM: 41982.
Scotophilus dinganii (A. Smith, 1833):
TM: 24554.
Scotophilus viridis (Peters, 1852):
TM: 24555.

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 24607, 24608, 24609

SE 23030Dc:

Hipposideros caffer (Sundevall, 1846):
TM: 1493, 4831, 4832.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 40984, 4826.
Rhinolophus Lacépède, 1799:
TM: 43243.
Rhinolophus darlingi K. Andersen, 1905:
TM: 3993, 3994, 3996, 3997, 3998, 3999, 4000, 4001, 42949, 42950, 4828, 4829, 4830.
Rhinolophus simulator K. Andersen, 1904:
TM: 3992, 42885, 42886, 42887, 42888, 42889, 42890, 42891, 42892, 42893, 42894, 42895, 42896, 42897, 42899, 42900, 42901, 42902, 42903, 42904, 42905, 42906.
Scotophilus dinganii (A. Smith, 1833):
TM: 1485

SE 23031Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 2411, 2412

SE 23031Ac:

Nycticeinops schlieffenii (Peters, 1859):
KNP: 14

SE 23031Ca:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 25556, 25557, 25558, 25559.
Miniopterus natalensis (A. Smith, 1833):
KNP: 164. - **TM:** 25595.
Neoromicia nana (Peters, 1852):
SMF: 12010.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 25531, 25539, 25540, 25541, 25542, 25543, 25544, 25545, 25546.
Rhinolophus darlingi K. Andersen, 1905:
KNP: 11.
Rhinolophus simulator K. Andersen, 1904:
TM: 1020, 25538.
Sauromys petrophilus (Roberts, 1917):
TM: 25560, 25561.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1905.12.9.5, 1905.12.9.6, 1905.12.9.7, 1905.12.9.8

SE 23031Cc:

Mops (Mops) midas (Sundevall, 1843):
KNP: 114, 115.
Neoromicia capensis (A. Smith, 1829):
TM: 36567, 36573, 36575, 36576, 36577, 36578.
Neoromicia zuluensis (Roberts, 1924):
TM: 36572, 36574.
Nycticeinops schlieffenii (Peters, 1859):
TM: 36563, 36565, 36566.
Scotophilus Leach, 1821:
TM: 36569.
Scotophilus dinganii (A. Smith, 1833):
TM: 36562, 36564, 36570, 36571

SE 23031Ab:

Hipposideros caffer (Sundevall, 1846):
KNP: 46, 47, 48.
Neoromicia nana (Peters, 1852):
TM: 38317, 38318, 38319, 38320, 38321, 38322.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KNP: 41. - **TM:** 2410, 2413

SE 23031Ad:

Nycticeinops schlieffenii (Peters, 1859):
KNP: 12, 13

SE 23031Bc:

Neoromicia somalica (Thomas, 1901):
MHNG: 723.039

SE 23031Dc:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 257459, 257460. - **TM:** 39580, 39614, 39615.
Epomophorus crypturus Peters, 1852:
AMNH: 257144. - **KNP:** 96.
Miniopterus fraterculus Thomas and Schwann, 1906:
KU: 135891, 135892.
Mops (Mops) condylurus (A. Smith, 1833):
KNP: 152, 153, 154, 156, 59. - **MNHN:** ZM-2012-17. - **TM:** 39583, 39587, 39589, 39590, 39591, 39592.
Mops (Mops) midas (Sundevall, 1843):
KNP: 155.
Neoromicia capensis (A. Smith, 1829):
AMNH: 257376. - **TM:** 39511, 39569.
Neoromicia nana (Peters, 1852):
AMNH: 257359, 257360. - **KNP:** 95. - **KU:** 135864, 135888, 135889, 135890. - **TM:** 39510, 39584, 39585.
Nycticeinops schlieffenii (Peters, 1859):
AMNH: 257398, 257399, 257400, 257401, 257402. - **TM:** 39572, 39576, 39577, 39578, 39579, 39616, 39617.
Pipistrellus rusticus (Tomes, 1861):
AMNH: 257366, 257367, 257368, 257369. - **TM:** 39509, 39570, 39582, 39586.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 257428. - **KU:** 163986, 163987, 163988, 163989, 163990, 163991. - **TM:** 39581, 39613.
Scotophilus viridis (Peters, 1852):
AMNH: 257413, 257414. - **TM:** 39571, 39575.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
AMNH: 257151, 257152. - **TM:** 39573, 39574, 59573

SE 23031Dd:

Epomophorus crypturus Peters, 1852:
TM: 38260, 38261.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 27559.
Neoromicia capensis (A. Smith, 1829):
TM: 38263.
Neoromicia nana (Peters, 1852):
AMNH: 257364.
Neoromicia zuluensis (Roberts, 1924):
TM: 39697.
Nycticeinops schlieffenii (Peters, 1859):
TM: 39692, 39693, 39694, 39695, 39696.
Pipistrellus rueppellii vernayi Roberts, 1932:
AMNH: 257365.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
KNP: 62

SE 23032Ab:

Hipposideros caffer (Sundevall, 1846):
DNSM: 8587.
Scotophilus leucogaster (Cretzschmar, 1826):
DNSM: 8576

SE 23032Ad:

Hipposideros caffer (Sundevall, 1846):
BRTC: 20886. - **TM:** 1637, 1638

SE 23035Ab:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 352246.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 352132.

Neoromicia nana (Peters, 1852):
ROM: 68785, 68786, 68787, 68788, 68789

SE 23035Ad:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 352130, 352131, 352133, 352245, 352247, 352248, 352249, 352250, 352251.
Epomophorus wahlbergi (Sundevall, 1846):
USNM: 351995, 351996, 351997, 351998.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 352164, 352165, 352166, 352167, 352168.
Neoromicia nana (Peters, 1852):
USNM: 352090, 352091, 352092, 352094

SE 23035Cb:

Glauconycteris variegata (Tomes, 1861):
BMNH: 1955.409.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 1668

SE 24035Ab:

Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1907.6.2.12.
Neoromicia nana (Peters, 1852):
BMNH: 1907.1.1.421, 1907.1.4.421, 1907.1.4.422. - **NMW:** 19644. - **ZMB:** 501, 588a, 588b, 588c.
Nycteris hispida (Schreber, 1774):
ZMB: 394/85665, 85665.
Pteropus subniger (Kerr, 1792):
ZMB: 67215.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1906.11.8.15.
Scotophilus viridis (Peters, 1852):
BMNH: 1906.11.8.13

SE 23043Ba:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 177371

SE 23043Bc:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 184237, 184238, 184239, 184240, 184245. - **ROM:** 42658, 42659, 42660, 42661, 42662, 42663, 42664, 42665, 42666, 42667, 42668, 42669, 42670, 42671, 42672, 42673, 42685, 42686, 42687, 42688, 42689, 42690, 42691, 42692, 42693, 42695, 42696, 42697, 42698, 42699, 42700, 42701.
Chaerephon pumilus (Cretzschmar, 1826):
ZMA: MAM.16836.
CHIROPTERA Blumenbach, 1779:
ZMB: T10492.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 176489. - **MCZ:** 45587. - **MNHN:** ZM-MO-1985-397. - **ZMB:** 67765.
Mormopterus jugularis (Peters, 1865):
ROM: 42674, 42675, 42676, 42677, 42678, 42679, 42680, 42681, 42682, 42683, 42684.
Neoromicia capensis (A. Smith, 1829):
MNHN: ZM-MO-1985-950.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
AMNH: 54402. - **ZMB:** 67208.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
MCZ: 45650, 45651, 45652

SE 23043Da:

Hipposideros Gray, 1831:
MNHN: ZM-MO-1912-53 A, ZM-MO-1912-53 B, ZM-MO-1912-53 C, ZM-MO-1912-53 D, ZM-MO-1912-53 E, ZM-MO-1912-53 F, ZM-MO-1912-53 G.
Miniopterus Bonaparte, 1837:
SAMA: M13070.
Miniopterus gleni Peterson, Eger and Mitchell, 1995:
FMNH: 202447, 202448, 209271, 209272, 209273. - **UADBA:** 43216, 43217, 43218, 43219.
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 172918, 172919, 172920, 172921, 172922, 172923, 172924, 172925, 172926, 172927, 172928. - **MNHN:** ZM-MO-1912-46A, ZM-MO-1912-46B, ZM-MO-1912-46C, ZM-MO-1912-46D.

Miniopterus manavi Thomas, 1906:
FMNH: 125405, 125406.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1912-46 A, ZM-MO-1912-46 B, ZM-MO-1912-46 C, ZM-MO-1912-46 D, ZM-MO-1912-46 E, ZM-MO-1912-46 F, ZM-MO-1912-46 G, ZM-MO-1912-46 H, ZM-MO-1912-46 I, ZM-MO-1912-46 J, ZM-MO-1912-46 K.
Otomops madagascariensis Dorst, 1953:
ROM: 42615, 42616, 42617, 42618, 42619, 42620, 42621, 42622, 42623, 42624, 42625, 42635, 42636, 42637, 42638, 42639, 42640, 42641, 42656, 42657, 42694, 42702.
Paratriaenops furculus (Trouessart, 1907):
MNHN: ZM-MO-1912-40a (186), ZM-MO-1912-40b, ZM-MO-1912-40c, ZM-MO-1997-1859, ZM-MO-1997-1860, ZM-MO-1997-1861, ZM-MO-1997-1862, ZM-MO-1997-1863, ZM-MO-1997-1864, ZM-MO-1997-1865, ZM-MO-1997-1866, ZM-MO-1997-1867. - **MSNG:** 44891a, 44891b. - **ROM:** 42626, 42711, 42712.
Scotophilus Leach, 1821:
MNHN: ZM-MO-1912-48, ZM-MO-1976-420

SE 23043Bb:

Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 176509, 176510, 177376.
Myotis goudoti (A. Smith, 1834):
FMNH: 176505

SE 23043Bd:

Chaerephon leucogaster (A. Grandidier, 1869):
FMNH: 85240.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
UADBA: 32376. - **ZMB:** 67766.
Mormopterus jugularis (Peters, 1865):
FMNH: 217945, 217946, 217947, 217948. - **UADBA:** 32332, 32334, 32335, 32336, 32341, 32343.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
FMNH: 57975, 57976, 85223, 85224. - **USNM:** 317900

SE 23043Db:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 217931. - **UADBA:** 32378, 32379.
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 172929, 172930, 172931, 172932, 172933, 202484, 202485, 217971. - **UADBA:** 32354, 32355, 32357, 32358, 32359.
Miniopterus manavi Thomas, 1906:
ROM: 46902, 46903, 46904, 46905, 46906, 46907, 46908, 46929, 46930, 46931, 46932, 46933, 46934.
Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1947-299 A, ZM-MO-1947-299 B.
Myotis goudoti (A. Smith, 1834):
FMNH: 172905, 172906, 172907, 172908, 172909, 172910, 172911, 172912, 172913, 172914, 172915, 172916, 172917, 202489, 202490, 202491. - **ROM:** 46911.
Otomops madagascariensis Dorst, 1953:
FMNH: 172934, 172936, 172937, 172938, 172939, 172940, 172941, 172942, 172943, 172944, 172945, 172947, 172948, 172949, 172950, 172951, 172952, 172953, 217921, 217922, 217924. - **ROM:** 46912, 46913, 46914, 46915, 46916, 46917. - **UADBA:** 32321, 32322, 32323.
Paratriaenops furculus (Trouessart, 1907):
ROM: 46910

SE 23044Ac:

Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 173252, 173253.
Myotis goudoti (A. Smith, 1834):
FMNH: 173250

SE 23044Ca:

Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015:
FMNH: 173251.
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 176508

SE 23044Cb:

Mormopterus jugularis (Peters, 1865):
FMNH: 218080. - **UADBA:** 50199, 50200, 50201, 50202, 50203, 50204, 50205, 50206

SE 23044Da:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
MNHN: ZM-MO-1947-285 (3)

SE 23046Ac:

Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 75774.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
USNM: 328714

SE 23046Dd:

Miniopterus Bonaparte, 1837:
FMNH: 178616, 178618, 178622, 178623.
Myotis goudoti (A. Smith, 1834):
FMNH: 178597, 178598, 178599, 178600, 178601, 178602, 178603, 178604, 178605, 178606, 178607, 178608

SE 23047Ca:

Myotis goudoti (A. Smith, 1834):
FMNH: 178609, 178611, 178612, 178613, 178614, 178615.
Paremballonura atrata (Peters, 1874):
FMNH: 178595, 178596, 178677

SE 23047Ba:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 185269, 185270, 185271, 185272, 185273, 185274, 185275, 185276, 185277, 185278

SE 23047Bc:

Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010:
FMNH: 185229, 185230, 185231, 185232, 185233, 185234, 185235, 185236, 185237, 185238, 185239, 185240, 185241, 185242, 185243, 185244, 185245, 185246, 185257, 185258, 185279, 185280, 185281, 185282

SE 24016Aa:

Cistugo seabrae Thomas, 1912:
SMW: 10538.
Eptesicus hottentotus (A. Smith, 1833):
SMW: 10544.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 13626.
Sauromys petrophilus (Roberts, 1917):
SMW: 10520, 10521, 13644

SE 24016Ac:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZFMK: 1959.0412, 1959.0413, 1959.0414, 1959.0415, 1959.0416

SE 24016Ad:

Miniopterus natalensis (A. Smith, 1833):
SMW: 13635.
Sauromys petrophilus (Roberts, 1917):
SMW: 13637, 136376.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 10524, 10525, 10526, 13632, 13633, 13634

SE 24016Cd:

Cistugo seabrae Thomas, 1912:
SMW: 11263, 4392. - **TM:** 37587, 37610, 37611, 37612, 37613.
Eptesicus hottentotus (A. Smith, 1833):
TM: 37588, 37624.
Laephotis namibensis Setzer, 1971:
SMW: 11302. - **TM:** 37586, 37608, 37609.
MOLOSSIDAE Gervais, 1856:
TM: 37606.
Rhinolophus damarensis Roberts, 1946:
TM: 37615.

Sauromys petrophilus (Roberts, 1917):
SMW: 11245, 11246, 11247, 11248, 11249, 11250, 11251, 11252, 11258, 112583, 11260. - **TM:** 37568, 37569, 37570, 37571, 37589, 37590, 37591, 37592, 37593, 37594, 37595, 37596, 37597, 37598, 37599, 37600, 37601, 37614, 37616, 37617, 37618, 37619, 37620.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 11276, 13627. - **TM:** 37572, 37572A, 37573, 37574, 37575, 37576, 37577, 375778, 37578, 37579, 37580, 37581, 37602, 37603, 37604, 37605, 37621, 37622, 37623

SE 24017Cc:

Eidolon helvum (Kerr, 1792):
SMW: 6814

SE 24017Bc:

Eidolon helvum (Kerr, 1792):
SMW: 3515

SE 24017Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMF: 21321

SE 24020Ac:

Neoromicia capensis (A. Smith, 1829):
USNM: 425334, 425335, 425336, 425337

SE 24021Bb:

Neoromicia capensis (A. Smith, 1829):
HZM: 14.2612, 23.3458, 24.3471. - **NHMZ:** 64086. - **USNM:** 322924, 322925, 322926, 322927, 322928, 322929, 322930, 322931, 322932, 322933, 322934, 322935, 322936, 322937, 322938, 322939, 322940, 322941, 322942.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 65192

SE 24024Dc:

Neoromicia capensis (A. Smith, 1829):
USNM: 382656, 382657.
Scotophilus dinganii (A. Smith, 1833):
USNM: 382684

SE 24025Aa:

Neoromicia capensis (A. Smith, 1829):
USNM: 382647, 382648, 382649.
Scotophilus dinganii (A. Smith, 1833):
USNM: 382658, 382659, 382660, 382661, 382662, 382663, 382664, 382665, 382666, 382667, 382668, 382669, 382670, 382671, 382672, 382673, 382674, 382675, 382676, 382677

SE 24025Cd:

Cloeotis percivali Thomas, 1901:
BMNH: 1956.550.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZFMK: 1964.0097, 1964.0103, 1964.0104, 1964.0105.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 12471, 12472, 12473

SE 24025Bc:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 575929.
Cloeotis percivali Thomas, 1901:
AMNH: 168159, 168160, 168161, 168162, 168163, 168164.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 168103, 168104, 168105, 168106, 168107, 168108, 168109, 168110, 168111, 168112, 168113, 168114, 168115, 168116, 168117, 168118, 168119, 168120, 168121, 168122, 168123, 168124, 168125, 168126, 168127, 168128, 168129, 168130, 168131, 168132, 168133, 168242, 168243. - **MVZ:** 117975, 117976, 117977, 117978, 117979, 117980, 117981, 117982, 117983, 117984, 117985, 117986, 117987, 117988, 117989. - **NHMZ:** 63325.
Pipistrellus rusticus (Tomes, 1861):
MVZ: 118020. - **USNM:** 575923, 575924.

Rhinolophus darlingi K. Andersen, 1905:
MVZ: 117992.
Rhinolophus simulator K. Andersen, 1904:
AMNH: 168149, 168150, 168151, 168152, 168153, 168154, 168155, 168240, 168241. - **HNHM:** 95.84.1. - **HZM:** 15.5505. - **MVZ:** 117993, 117994, 117995, 117996.
Sauromys petrophilus petrophilus (Roberts, 1917):
AMNH: 165942. - **MVZ:** 118028, 118029.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 168244, 168245. - **MVZ:** 117212, 118021, 118022, 118023, 118024, 118025, 118026, 118027.
Tadarida aegyptiaca bocagei (Seabra, 1900):
AMNH: 168172, 168173

SE 24025Db:

Rhinolophus darlingi K. Andersen, 1905:
USNM: 382645

SE 24025Dd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 8890, 8891, 8892

SE 24026Ab:

Neoromicia capensis (A. Smith, 1829):
ZFMK: 1964.0107

SE 24026Cb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 23548, 23562, 23569, 23570, 23571.
Pipistrellus rusticus (Tomes, 1861):
TM: 23549.
Rhinolophus darlingi K. Andersen, 1905:
TM: 23578, 23579.
Scotophilus dinganii (A. Smith, 1833):
TM: 23546, 23547

SE 24026Cd:

Neoromicia capensis (A. Smith, 1829):
TM: 48028, 48030, 48031.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 20489.
Pipistrellus rusticus (Tomes, 1861):
TM: 20455, 20468.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 20479.
Rhinolophus darlingi K. Andersen, 1905:
TM: 48018, 48019, 48020, 48021.
Rhinolophus simulator K. Andersen, 1904:
TM: 20480, 20481, 20482, 20483, 20484, 20485, 20486, 20487, 20488.
Scotophilus dinganii (A. Smith, 1833):
TM: 20467.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 20478

SE 24027Ca:

Hipposideros caffer (Sundevall, 1846):
TM: 45220, 45222.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 42826. - **USNM:** 575180, 575181, 575182, 575183, 575184, 575185, 575186, 575187, 575188, 575189, 575190, 575191, 575192, 575193.
Rhinolophus darlingi K. Andersen, 1905:
USNM: 575199, 575205, 575206, 575207.
Rhinolophus denti Thomas, 1904:
USNM: 575194, 575198, 575201, 575204.
Rhinolophus simulator K. Andersen, 1904:
TM: 45214, 45215, 45216, 45217, 45218, 45219, 45221.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
TM: 1748, 1749, 45223, 45224, 45225, 45228. - **USNM:** 468403, 468404, 468405, 468406, 468407, 468408, 468409, 468410, 468411, 575195, 575196, 575197, 575200, 575202, 575203, 575208.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 45237.

Vespertilioninae Gray, 1821:
TM: 45230

SE 24027Cb:

Hipposideros caffer (Sundevall, 1846):
USNM: 468412, 468413.
Miniopterus natalensis (A. Smith, 1833):
USNM: 575304, 575305, 575306, 575307, 575308, 575309, 575310, 575311, 575312, 575313, 575314, 575315, 575316, 575317, 575318, 575319, 575320, 575321, 575322, 575323, 575324, 575325, 575326, 575327, 575328, 575329, 575330, 575331, 575332, 575333, 575334.
Neoromicia capensis (A. Smith, 1829):
USNM: 575286.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 468392, 468393, 468394, 468395, 468396, 468397, 468398, 468399, 468400, 468401.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
MVZ: 122932. - **USNM:** 468402.
Scotophilus dinganii (A. Smith, 1833):
RMNH: MAM.27434. - **USNM:** 468414, 468415, 575300, 575301, 575302, 575303

SE 24027Cd:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 717

SE 24027Da:

Cloeotis percivali Thomas, 1901:
TM: 48462.
Hipposideros caffer (Sundevall, 1846):
TM: 48454, 48455.
Miniopterus fraterculus Thomas and Schwann, 1906:
BRTC: 20896.
Miniopterus natalensis (A. Smith, 1833):
BMNH: 1909.7.2.6. - **TM:** 1120, 1121, 1122, 1123, 1125, 1126, 15574, 20594, 20595, 20596, 20597, 20598, 20599, 20600, 20601, 20602, 20603, 20604, 20605, 20606, 20607, 20608, 20625, 41022, 48444, 48445, 48446, 48447, 48448, 48449.
Myotis tricolor (Temminck, 1832):
TM: 25414, 48456.
Neoromicia capensis (A. Smith, 1829):
TM: 49069, 49186, 49188, 49189, 49190.
Neoromicia nana (Peters, 1852):
TM: 49146.
Neoromicia zuluensis (Roberts, 1924):
TM: 49147.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 48457, 48458, 48460.
Rhinolophus Lacépède, 1799:
TM: 42939, 47764.
Rhinolophus blasii Peters, 1867:
DNSM: 13393. - **FMNH:** 152535. - **ROM:** 45719, 45729, 45730, 45736, 45737, 45813, 48686, 77818, 77819, 83938. - **TM:** 13960, 13961, 13962, 13963, 13995, 13996, 13997, 13998, 13999, 47766, 48450, 48451, 48452, 48453, 48461.
Rhinolophus darlingi K. Andersen, 1905:
ROM: 77817.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 13394. - **FMNH:** 152608. - **ROM:** 45720, 45721, 45722, 45723, 45724, 45725, 45726, 45727, 45728, 45731, 45732, 45733, 45734, 45735, 45738, 45739, 45740, 48684, 77813, 77814, 77815, 77816. - **SMF:** 19560, 19561. - **TM:** 48437, 48438, 48439, 48440, 48441, 48442, 48443.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
TM: 12617, 12618

SE 24027Dc:

Cloeotis percivali Thomas, 1901:
ROM: 77892, 77893.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 14276. - **TM:** 1651, 47160. - **USNM:** 376755.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
TM: 45092. - **USNM:** 376754.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 14201

SE 24027Bb:

Neoromicia zuluensis (Roberts, 1924):
TM: 24752.

Rhinolophus darlingi K. Andersen, 1905:
TM: 24784.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 24748

SE 24027Dd:

Neoromicia capensis (A. Smith, 1829):
TM: 39430, 39431, 39432.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 14277, 14278, 14279. - **TM:** 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1666, 1667.
Pipistrellus rusticus (Tomes, 1861):
TM: 39427, 39428, 39429.
Rhinolophus Lacépède, 1799:
DNSM: 13395.
Scotophilus dinganii (A. Smith, 1833):
TM: 39433

SE 24028Aa:

Laephotis botswanae Setzer, 1971:
TM: 39946, 40107.
Myotis welwitschii (Gray, 1866):
TM: 39421

SE 24028Ac:

Neoromicia capensis (A. Smith, 1829):
TM: 6942

SE 24028Ca:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 41548

SE 24028Ab:

CHIROPTERA Blumenbach, 1779:
NHMZ: (M_wel).
Neoromicia capensis (A. Smith, 1829):
TM: 31272, 31273, 39415, 39416, 39523, 39524, 39525, 39526, 39527, 39528, 39563, 39564, 39565, 39566, 39567, 39568, 39816, 39888, 39893, 39900, 39902, 39943, 39944, 39952, 39953, 39974, 39977, 39978, 39984, 39985, 39990, 39997, 40037, 40038, 40039, 40040, 40178, 40180, 40185, 40237, 40238, 40239, 40240, 40241, 40242, 40243, 40244, 40245, 40246, 40247, 41367, 41368, 41369, 41370, 41371, 41372, 41373, 41374, 41375, 41376, 46399.
Neoromicia zuluensis (Roberts, 1924):
NHMZ: 56066. - **TM:** 46396, 46404, 47094.
Pipistrellus rusticus (Tomes, 1861):
NHMZ: 56074. - **TM:** 31271, 31274, 39407, 39408, 39409, 39410, 39411, 39412, 39413, 39414, 39512, 39513, 39514, 39515, 39516, 39517, 39518, 39519, 39520, 39521, 39545, 39546, 39547, 39548, 39554, 39555, 39556, 39557, 39558, 39559, 39560, 39561, 39562, 39813, 39814, 39815, 39879, 39880, 39881, 39882, 39883, 39884, 39885, 39886, 39887, 39889, 39890, 39891, 39892, 39894, 39895, 39901, 39903, 39904, 39905, 39906, 39907, 39908, 39935, 39936, 39938, 39939, 39940, 39941, 39942, 39945, 39950, 39951, 39954, 39975, 39976, 39979, 39980, 39981, 39982, 39983, 39986, 39987, 39988, 39989, 39991, 39992, 39993, 39994, 39995, 39996, 40031, 40032, 40033, 40034, 40035, 40036, 40174, 40175, 40176, 40177, 40179, 40181, 40182, 40183, 40184, 40186, 40187, 40188, 40189, 40190, 40191, 40192, 40193, 40194, 40195, 40196, 40229, 40230, 40231, 40232, 40233, 40234, 40235, 40236, 40285, 40286, 40287, 40288, 40289, 40290, 40291, 40292, 40293, 40315, 40316, 40317, 40318, 40319, 40320, 40321, 40322, 40323, 40324, 40325, 40326, 40327, 40328, 40887, 40888, 40889, 40890, 40891, 41330, 41331, 41332, 41333, 41334, 41335, 41336, 41337, 41338, 41339, 41340, 41341, 41342, 41343, 41344, 41345, 41346, 41347, 41348, 41349, 41350, 41351, 41352, 41353, 41354, 41355, 41356, 41357, 41358, 41359, 41360, 41361, 41362, 41363, 41364, 41365, 41366, 46398, 46400, 46401, 47093.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 40201, 46402, 46403.
Rhinolophus darlingi K. Andersen, 1905:
TM: 46397, 47095.
Rhinolophus simulator K. Andersen, 1904:
TM: 47102.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
TM: 31269, 31270, 31275, 31276, 40217.
Scotophilus dinganii (A. Smith, 1833):
TM: 39417, 39418, 39419, 39420, 39522, 41377, 41378, 44197, 47096, 47097.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
NHMZ: 56049

SE 24028Cb:

Otomops martiensseni (Matschie, 1897):
DNSM: 11526.
Scotophilus dinganii (A. Smith, 1833):
USNM: 376763, 376764.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 39550

SE 24028Cd:

Myotis welwitschii (Gray, 1866):
TM: 42688.
Neoromicia capensis (A. Smith, 1829):
ROM: 45809, 45810, 45811, 45812, 78207. - **TM:** 20656, 20657, 20658, 20689.
Pipistrellus rusticus (Tomes, 1861):
TM: 20648, 20649, 20650, 20651, 20652, 20653, 20654, 20655, 20659.
Rhinolophus Lacépède, 1799:
TM: 43098, 43188.
Scotophilus dinganii (A. Smith, 1833):
ROM: 45698, 45699, 45700, 45701, 45702, 45987, 45988, 45990, 78820, 78821, 78822. - **TM:** 20690

SE 24028Ba:

Miniopterus natalensis (A. Smith, 1833):
TM: 45128.
Neoromicia capensis (A. Smith, 1829):
TM: 45129.
Pipistrellus rusticus (Tomes, 1861):
TM: 45050, 45051

SE 24028Bc:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 44061.
Neoromicia capensis (A. Smith, 1829):
TM: 43420, 44062.
Rhinolophus darlingi K. Andersen, 1905:
TM: 44525.
Scotophilus dinganii (A. Smith, 1833):
TM: 41424, 44064.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 44063

SE 24028Da:

Neoromicia capensis (A. Smith, 1829):
TM: 25619, 38959.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 41423.
Pipistrellus rusticus (Tomes, 1861):
TM: 19905, 25686

SE 24028Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 78036.
Scotophilus dinganii (A. Smith, 1833):
TM: 19906

SE 24029Aa:

Eptesicus hottentotus (A. Smith, 1833):
TM: 46877, 46878, 47960.
Miniopterus natalensis (A. Smith, 1833):
TM: 12561, 12562, 12563, 42544, 42545, 42546, 42547, 42548, 42549, 42550, 42551, 42552, 42553, 42554, 42555, 42556, 42557, 42558, 42559, 42560, 42561, 42562, 42563, 42564, 42565, 42567, 42568, 42569, 42570, 42571, 42572, 42573, 42676, 42677, 4270.
Myotis tricolor (Temminck, 1832):
TM: 12571, 12572, 12573, 12574, 12575, 16407, 25418, 25419, 25420, 4266, 4267, 4268.
Myotis welwitschii (Gray, 1866):
TM: 41034.
Neoromicia capensis (A. Smith, 1829):
TM: 2437, 2438, 43147, 44207, 44210.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 44209.
Rhinolophus Lacépède, 1799:
TM: 42996, 42997, 42999, 43000, 43001, 43002, 43003, 43004, 43005, 43006, 43007, 43008, 43009, 43010.
Rhinolophus blasii Peters, 1867:
TM: 4262, 4263, 4264, 4265.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 1013, 1014, 12576, 4260, 4261, 42998.
Rhinolophus darlingi K. Andersen, 1905:
TM: 44208.
Scotophilus Leach, 1821:
TM: 43224, 43225.
Scotophilus dinganii (A. Smith, 1833):
TM: 44211.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 42807

SE 24029Ac:

Cloeotis percivali Thomas, 1901:
TM: 34575, 34576, 34577, 43253, 43254, 43255.
Neoromicia capensis (A. Smith, 1829):
TM: 23384, 23387, 23410.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 12560.
Rhinolophus Lacépède, 1799:
TM: 42655, 42918, 42919, 42920, 42921, 42922, 42923, 42924, 42925, 42926, 42927, 42928, 42929, 42930, 42931, 42932, 42933, 42934, 42935, 42936, 42937, 42951.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 12578, 12579.
Rhinolophus simulator K. Andersen, 1904:
TM: 12580, 12581, 12582, 12583, 12584, 12585, 12586, 23392, 23393, 23394, 23395, 23396, 23397, 23398, 23399, 23400, 23401, 23403, 27503, 27504, 27505.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 23402.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 23340, 23341, 23342

SE 24029Ad:

Neoromicia capensis (A. Smith, 1829):
TM: 12588.
Rhinolophus simulator K. Andersen, 1904:
SMF: 19559

SE 24029Ba:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: 12960

SE 24029Dd:

Neoromicia nana (Peters, 1852):
TM: 25342, 25343, 25344, 25345, 25346, 25347, 25348, 25349, 25350, 25351, 25352

SE 24030Aa:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 25603, 27561.
Hipposideros caffer (Sundevall, 1846):
TM: 27507, 27509, 27510, 27511, 27512, 27513, 27514, 27515, 27516.
Miniopterus natalensis (A. Smith, 1833):
TM: 46881.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 7472.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 20427, 23688, 23707, 23708, 23717, 23718, 23719, 23720, 23721, 46882.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
TM: 20428, 27508.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: 25303, 25304, 25305, 25306, 25307, 25308, 25309, 25310, 25311, 25312, 25313, 25314, 27558, 27560, 27562. - **ZMA:** MAM.21015, MAM.21016, MAM.21017, MAM.21018, MAM.21019, MAM.21059, MAM.21060, MAM.21061, MAM.21062, MAM.21063

SE 24030Cc:

Myotis welwitschii (Gray, 1866):
BMNH: 1900.11.6.1

SE 24030Ab:

Miniopterus natalensis (A. Smith, 1833):
TM: 25292.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 25324, 25325.
Rhinolophus darlingi K. Andersen, 1905:
TM: 25315, 25316, 25323.
Rhinolophus lobatus Peters, 1852:
FMNH: 108342

SE 24030Cb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 23524

SE 24030Cd:

Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1953.21

SE 24030Bc:

Neoromicia capensis (A. Smith, 1829):
TM: 48127, 48145

SE 24030Da:

Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 46451, 46486.
Miniopterus natalensis (A. Smith, 1833):
TM: 23424, 40838, 40839, 40840, 40841, 40842, 40843, 40844, 46484.
Myotis tricolor (Temminck, 1832):
TM: 40845, 47108.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 23420, 23421, 23422, 23423, 40846, 46481, 46485, 47107

SE 24030Db:

Epomophorus wahlbergi (Sundevall, 1846):
USNM: 384723, 384724, 384725.
Hipposideros caffer (Sundevall, 1846):
TM: 40825, 46483.
Kerivoula lanosa (A. Smith, 1847):
TM: 41664.
Miniopterus natalensis (A. Smith, 1833):
TM: 42875, 42876, 42877, 42878.
Myotis tricolor (Temminck, 1832):
TM: 40300.
Neoromicia nana (Peters, 1852):
TM: 12757. - **USNM:** 384746, 384747, 384748, 384749, 384750, 384751, 384752, 384753, 384754, 384755, 384756, 384758, 384759, 384760, 384761, 384762, 384763, 384764, 384765, 384766, 384767, 384768, 384769.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 39969, 39970, 40094, 40095, 40096, 40302.
Pipistrellus rusticus (Tomes, 1861):
TM: 39971, 46480.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 40090, 40301.
Rhinolophus darlingi K. Andersen, 1905:
TM: 40091, 40092, 40093, 46482.
Rhinolophus fumigatus Rüppell, 1842:
TM: 39968.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
TM: 39967.
Vespertilioninae Gray, 1821:
TM: 42740

SE 24030Dd:

Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 47623.
Miniopterus natalensis (A. Smith, 1833):
TM: 47625.
Myotis tricolor (Temminck, 1832):
TM: 47658.
Neoromicia capensis (A. Smith, 1829):
TM: 47087.
Rhinolophus simulator K. Andersen, 1904:
TM: 47621.
Rhinolophus swinnyi Gough, 1908:
TM: 47730

SE 25030Bb:

Pipistrellus hesperidus (Temminck, 1840):
TM: 47666

SE 24031Aa:

Epomophorus crypturus Peters, 1852:
TM: 7253.
Hipposideros caffer (Sundevall, 1846):
TM: 24256, 24257, 24258, 24259, 24260, 24261, 24262, 24263, 24264, 24265, 24266, 24267, 24268, 24269, 24270, 24271, 24272, 24273, 24274.
Mops (Mops) midas (Sundevall, 1843):
TM: 45507.
Neoromicia zuluensis (Roberts, 1924):
TM: 6457, 6458.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 5551, 5552, 5553. - **MVZ:** 117099, 117100, 117101, 117102, 117103, 117104, 117105, 117106.
Nycticeinops schlieffenii (Peters, 1859):
TM: 45506.
Pipistrellus rusticus (Tomes, 1861):
TM: 24275.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 45514

SE 24031Ac:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 43870.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 47704, 47705.
Mops (Mops) midas (Sundevall, 1843):
DNSM: 8412, 8413, 8414, 8415, 8416.
Neoromicia capensis (A. Smith, 1829):
TM: 41158

SE 24031Ca:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 47717.
Rhinolophus simulator K. Andersen, 1904:
TM: 24253, 24254, 24255

SE 24031Cc:

Scotophilus viridis (Peters, 1852):
USNM: 342638

SE 24031Ab:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 13469

SE 24031Ad:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 29891, 29892, 29893, 46448, 46449.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 257153, 257154, 257155. - **TM:** 39671, 39672, 39673, 39674.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
KNP: 55, 58

SE 24031Cb:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 39231, 40081, 40744, 40745.
Hipposideros caffer (Sundevall, 1846):
TM: 39228.
Neoromicia capensis (A. Smith, 1829):
TM: 38883.
Neoromicia nana (Peters, 1852):
TM: 39229, 39230.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 38601, 38602.
Scotophilus dinganii (A. Smith, 1833):
TM: 40284

SE 24031Cd:

Chaerephon pumilus (Cretzschmar, 1826):
ROM: 41744, 41745, 41746, 41747, 41748, 41749, 41750. - **TM:** 24044.
Epomophorus crypturus Peters, 1852:
TM: 17277, 17278, 17279, 17280, 17281, 17282, 17283, 24034.
Miniopterus natalensis (A. Smith, 1833):
ROM: 41757, 41758. - **TM:** 40050.
Mops (Mops) condylurus (A. Smith, 1833):
ROM: 41714, 41751, 41752, 41753, 41754, 41755, 41756. - **TM:** 39743, 39744, 39745, 39746, 39747, 39748, 39749, 39750, 39751, 39752, 39753, 39754, 39755, 39801, 39802, 39803, 39804, 39805, 39806, 39807, 39808, 39809, 39810, 39811, 39812, 39999, 40001, 40002, 40003, 40004, 40005, 40006, 40007, 40008, 40009, 40010, 40011, 40012, 40013, 40041, 40042, 40043, 40044, 40045, 40046, 40047, 40048, 40049, 40056, 40057, 40058, 40222, 40223, 40224, 40225, 40226, 40227, 40228, 40252, 40253, 40254, 40255, 40256, 40257, 40303, 40304, 40305, 40306, 40307, 40308, 40309, 40310, 40472, 40473, 40474, 40475, 40476, 40477, 40478, 40479, 40480, 40481, 40482, 40483, 40484, 40485, 40486, 40641, 40642, 40643, 40644, 40645, 40646, 40647, 40648, 40682, 40683, 40684, 40685, 40800, 40801, 40802, 40803, 40804, 40805, 40806, 40807, 40808, 40809, 40810, 40811, 40812, 40813.
Neoromicia capensis (A. Smith, 1829):
TM: 24008, 24910, 24941.
Neoromicia zuluensis (Roberts, 1924):
TM: 17293.
Nycticeinops schlieffenii (Peters, 1859):
TM: 24940, 24942.
Scotophilus dinganii (A. Smith, 1833):
ROM: 41734. - **TM:** 17294.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 17291, 17292, 24958

SE 24031Ba:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 39596, 39597.
Miniopterus natalensis (A. Smith, 1833):
TM: 36894, 36895.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 257451, 257452. - **TM:** 39595.
Neoromicia capensis (A. Smith, 1829):
AMNH: 257382, 257383, 257386. - **TM:** 39601, 39602, 39603, 39680, 39681, 39691.
Neoromicia nana (Peters, 1852):
TM: 39685.
Neoromicia zuluensis (Roberts, 1924):
TM: 39684.
Nycticeinops schlieffenii (Peters, 1859):
AMNH: 257403, 257404, 257410, 257411, 257412. - **KNP:** 69. - **TM:** 39604, 39605, 39686, 39687, 39688, 39689.
Pipistrellus rusticus (Tomes, 1861):
TM: 39594, 39600, 39682, 39683, 39690.
Scotophilus Leach, 1821:
TM: 39678.
Scotophilus dinganii (A. Smith, 1833):
TM: 39598, 39599, 39675, 39676.
Scotophilus viridis (Peters, 1852):
AMNH: 257427. - **TM:** 39677, 39679

SE 24031Bc:

Miniopterus natalensis (A. Smith, 1833):
KNP: 111.

Nycticeinops schlieffenii (Peters, 1859):
TM: 39787, 39788.
Rhinolophus lobatus Peters, 1852:
KNP: 72.
Scotophilus dinganii (A. Smith, 1833):
KNP: 51.
Scotophilus viridis (Peters, 1852):
KNP: 05

SE 24031Da:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 39232

SE 24031Dc:

Chaerephon pumilus (Cretzschmar, 1826):
KNP: 01, 02, 104, 110, 170, 172, 188, 189, 20, 22, 89, 90. - **MNHN:** ZM-MO-1980-535, ZM-MO-1980-536, ZM-MO-1980-537, ZM-MO-1980-538. - **TM:** 30067, 30076, 30077, 30078, 36477, 36478, 36479, 36480, 36481, 36482, 36483, 36484, 36485, 36486, 36489, 36490, 36491, 36492, 36493, 36494, 36495, 36496, 36497, 36498, 36499, 36519, 36520, 36521, 36522, 36523, 36524, 36525, 36526, 36527, 36528, 36529, 36530, 36587, 36588, 36589, 36590, 36591, 36592, 36593, 36690, 36691, 36692, 36693, 36727, 36728, 36729, 36730, 36731, 36732, 36733, 36734, 36735, 36736, 36822, 36823, 36824, 36825, 36826, 36827, 36828, 36829, 36830, 36831, 36832, 36896, 36897, 36898, 36899, 36900, 36901, 36902, 36903, 37018, 37019, 37020, 37021, 37022, 37023, 37024, 37025, 37026, 37091, 37092, 37093, 37094, 37095, 37096, 37097, 37098, 37099, 37100, 37101, 37102, 37112, 37113, 37114, 37115, 37116, 37117, 37118, 37191, 37192, 37193, 37194, 37195, 37196, 37197, 37198, 37199, 37200, 37201, 37202, 37295, 37302, 37303, 37304, 37305, 37306, 37307, 37308, 37309, 37310, 37311, 37481, 37482, 37483, 37484, 37485, 37486, 37487, 37702, 37703, 37705, 37706, 37707, 37708, 37709, 37710, 37711, 37776, 37777, 37778, 37779, 38290, 38291, 38292, 38293, 38294, 38295, 38296, 38297, 38298, 38299, 38300, 38301, 38302, 38303, 38304, 38305, 38306, 38307, 38308, 38309, 38310, 38311, 38312, 38313, 38314, 38315, 38316.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 257149.
Hypsugo anchietae (Seabra, 1900):
TM: 30061, 39767, 39768.
Miniopterus natalensis (A. Smith, 1833):
KNP: 04. - **ROM:** 76081. - **TM:** 13470, 30072.
Mops (Mops) condylurus (A. Smith, 1833):
KNP: 06, 100, 73, 74, 75, 76. - **TM:** 30062, 30065, 30066, 36500, 36501, 36502, 36503, 36504, 36505, 36506, 36507, 36508, 40209, 40210, 40211, 40212, 40213, 40214, 40215, 40216, 40258, 40259, 40260, 40261, 40262, 40263, 40264, 40265, 40266, 40267, 40268, 40269, 40270, 42077, 42078, 42079, 42080, 42081, 42082, 42083, 42490, 42491, 42492, 42493, 42494, 42495.
Mops (Mops) midas (Sundevall, 1843):
KNP: 99.
Myotis bocagii (Peters, 1870):
SNP: CHIR. NKW 125. - **TM:** 30064.
Myotis tricolor (Temminck, 1832):
AMNH: 257358.
Myotis welwitschii (Gray, 1866):
TM: 42488, 42489.
Neoromicia Roberts, 1926:
KNP: 187.
Neoromicia capensis (A. Smith, 1829):
AMNH: 257384, 257390, 257391, 257392. - **KNP:** 171, 173, 40. - **TM:** 30055, 30056, 30057, 30058, 30059, 30060, 30068, 30074, 30075, 39703, 39736, 39737, 39762, 39763, 42084, 42085, 42089, 42092.
Neoromicia nana (Peters, 1852):
AMNH: 257363. - **KNP:** 37, 38, 39. - **TM:** 13472, 42126, 42127, 42128, 42129.
Neoromicia zuluensis (Roberts, 1924):
TM: 39760, 39761.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KNP: 146.
Nycticeinops schlieffenii (Peters, 1859):
TM: 30071, 30073, 39700, 39701, 39702, 39764, 39765, 39766, 42086.
Rhinolophus darlingi K. Andersen, 1905:
AMNH: 257158, 257159, 257160, 257161, 257164.
Rhinolophus simulator K. Andersen, 1904:
AMNH: 257165.
Scotophilus Leach, 1821:
TM: 39757.
Scotophilus dinganii (A. Smith, 1833):
KNP: 184. - **TM:** 30069, 39698, 39699, 39738, 39739, 39740, 39758, 39759.
Scotophilus viridis (Peters, 1852):
TM: 42087, 42088, 42090, 42091.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
KNP: 106. - **TM:** 39730

SE 24031Bb:

Hipposideros caffer (Sundevall, 1846):
TM: 36893.
Neoromicia nana (Peters, 1852):
TM: 47133, 47134.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KNP: 85.
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
KNP: 84.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 257429, 257430, 257431. - **KNP:** 94

SE 24031Bd:

Chaerephon ansorgei (Thomas, 1913):
AMNH: 257447, 257448, 257449, 257450. - **TM:** 34531, 34532, 34534, 34536, 34538, 39633, 39634, 39635, 39636, 39637, 39638, 39639.
Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 257465, 257466, 257467, 257468, 257469, 257470. - **TM:** 39623. - **ZMA:** MAM.08300, MAM.08301.
Hipposideros caffer (Sundevall, 1846):
AMNH: 257174.
Miniopterus natalensis (A. Smith, 1833):
KNP: 101, 102, 103.
Mops (Mops) condylurus (A. Smith, 1833):
AMNH: 257453, 257454, 257455, 257456, 257457, 257458. - **TM:** 39644, 39659, 39660, 39661, 39662, 39663, 39664, 39665, 39666, 39667, 39668.
Myotis tricolor (Temminck, 1832):
KNP: 63.
Neoromicia capensis (A. Smith, 1829):
AMNH: 257385, 257388, 257389. - **TM:** 39620, 39628, 39629, 39630.
Neoromicia nana (Peters, 1852):
TM: 30443, 39621, 39642, 39643.
Nycticeinops schlieffenii (Peters, 1859):
TM: 39656.
Pipistrellus rusticus (Tomes, 1861):
AMNH: 257370, 257371, 257372. - **TM:** 39622, 39645, 39646, 39647, 39648, 39649, 39650, 39651, 39652, 39653, 39654, 39655, 39670.
Rhinolophus darlingi K. Andersen, 1905:
AMNH: 257157. - **TM:** 39657, 39658.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 257441, 257442, 257443, 257444. - **KNP:** 49A, 50. - **TM:** 39624, 39625, 39626, 39627, 39631, 39632, 39640, 39641, 39669

SE 24031Db:

Myotis welwitschii (Gray, 1866):
KNP: 93.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KNP: 185

SE 24031Dd:

Chaerephon pumilus (Cretzschmar, 1826):
KNP: 49.
Epomophorus crypturus Peters, 1852:
KNP: 57.
Hipposideros caffer (Sundevall, 1846):
KNP: 161, 162, 163, 33, 43, 44, 45. - **TM:** 39735.
Myotis welwitschii (Gray, 1866):
SNP: 98a.
Neoromicia capensis (A. Smith, 1829):
TM: 39706.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KNP: 183, 34, 35, 36.
Rhinolophus darlingi K. Andersen, 1905:
AMNH: 257162, 257163. - **TM:** 39733, 39734.
Rhinolophus simulator K. Andersen, 1904:
KNP: 165.
Scotophilus dinganii (A. Smith, 1833):
TM: 39704, 39705

SE 24032Ac:

Pipistrellus hesperidus (Temminck, 1840):
DNSM: 9332

SE 24032Dc:

Neoromicia nana (Peters, 1852):
DNSM: 9331, 9371.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 9852.
Scotoecus hindei Thomas, 1901:
DNSM: 9376.
Scotophilus viridis (Peters, 1852):
DNSM: 9851

SE 24032Bb:

Nycteris macrotis Dobson, 1876:
DNSM: 8662

SE 24032Bd:

Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 8621

SE 24033Cd:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 352226, 352227, 352228, 352229, 352230, 352231, 352232, 352233, 352234, 352235, 352236.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 42, 44, 45, 49, 56, 58. - **USNM:** 351987, 351988, 351989, 351990, 351991, 351992, 351993.
Neoromicia nana (Peters, 1852):
USNM: 352049, 352050, 352051, 352052, 352053, 352054, 352055, 352056, 352057, 352058, 352059, 352060, 352061, 352062, 352063, 352064

SE 24034Cc:

Scotophilus viridis (Peters, 1852):
DNSM: 9853

SE 24034Cb:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 352252.
Glauconycteris variegata (Tomes, 1861):
USNM: 304844.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 352180

SE 24034Ba:

Epomophorus wahlbergi (Sundevall, 1846):
USNM: 352004, 352005, 352006, 352007, 352008, 352009, 352010.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 112, 113. - **USNM:** 352169, 352170, 352171, 352172, 352173, 352174, 352175, 352176, 352177, 352178, 352179.
Neoromicia nana (Peters, 1852):
USNM: 352105, 352106, 352107, 352108, 352109, 352110, 352111, 352112, 352113, 352114, 352115

SE 24034Bc:

Mops (Mops) condylurus (A. Smith, 1833):
USNM: 352181, 352182, 352183, 352184, 352185, 352186, 352187, 352188, 352189, 352190, 352191, 352192, 352193, 352194, 352195, 352196, 352197, 352198.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1906.11.8.14, 1906.11.8.16.
Scotophilus leucogaster (Cretzschmar, 1826):
BMNH: 1906.11.8.11, 1906.11.8.12, 1906.11.8.18.
Scotophilus viridis (Peters, 1852):
SAMC: 37067

SE 24035Ca:

Neoromicia nana (Peters, 1852):
NHMZ: 64009

SE 24035Ab:

Epomophorus wahlbergi (Sundevall, 1846):
USNM: 351999, 352000, 352001, 352002, 352003.
Neoromicia nana (Peters, 1852):
USNM: 352095, 352096, 352097, 352098, 352099, 352100, 352101, 352102, 352103, 352104.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 352013, 352014, 352015, 352016, 352017, 352018, 352019, 352020, 352021, 352022, 352023, 352024, 352025, 352026, 352027, 352028, 352029, 352030, 352031, 352032, 352033

SE 24043Bb:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 173151, 173162, 183929, 183930, 183931, 183932, 183933, 183934.
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 173154, 173179, 173189, 173190, 173191, 173192, 173193, 173194, 173195, 173196, 173197, 173198, 173199, 173200, 173201, 173202, 173203, 173204, 209275, 209276, 209277, 209278. - **UADBA:** 50183, 50184, 50185, 50186, 50187, SMG-16471, SMG-16472.
Triaenops menamena Goodman and Ranivo, 2009:
FMNH: 218056, 218058, 218540. - **MNHN:** ZM-MO-1947-861, ZM-MO-1947-862, ZM-MO-1985-835. - **UADBA:** 50145, 50146, 50149

SE 24043Bd:

Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 184226.
Myotis goudoti (A. Smith, 1834):
FMNH: 184213

SE 24043Db:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 184169, 184170, 184171, 184172, 184174, 184175, 184176, 184177, 184178.
Macronycteris cryptovalorona (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016):
FMNH: 184173.
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009:
FMNH: 184153, 184154, 184167, 184214, 184215, 184216, 184236, 209274. - **UADBA:** 43229.
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 184155, 184156, 184157, 184158, 184159, 184160, 184168, 184222, 184223, 184224, 184225, 209279, 209281. - **UADBA:** 43221.
Myotis goudoti (A. Smith, 1834):
FMNH: 184152, 184209, 184210, 184211, 184212.
Triaenops menamena Goodman and Ranivo, 2009:
FMNH: 218064, 218065, 218066. - **UADBA:** 50337, 50338

SE 24044Aa:

Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009:
FMNH: 184217, 184218, 184219, 184220, 184221

SE 24044Da:

Eidolon dupreanum (Schegel, 1867):
MNHN: ZM-MO-1976-1

SE 24045Ca:

Mops (Mops) midas miarensis (A. Grandidier, 1869):
MCZ: 45579.
Mormopterus jugularis (Peters, 1865):
MCZ: 45106, 45603, 45609, 45610, 45611, 45612, 45613, 45614, 45615, 45618, 45619, 45620

SE 24045Cc:

Mops (Mops) midas miarensis (A. Grandidier, 1869):
MCZ: 45578, 45580, 45581

SE 25045Ab:

Neoromicia nana (Peters, 1852):
MNHN: ZM-MO-1983-753, ZM-MO-1983-754

SE 24046Cd:

Miniopterus majori Thomas, 1906:
USNM: 577308, 577309, 577310, 577311, 577312.
Miniopterus manavi Thomas, 1906:
USNM: 577082, 577083, 577084, 577085, 577086, 577289, 577290, 577291, 577292, 577293, 577294, 577295.
Mormopterus jugularis (Peters, 1865):
MNHN: ZM-MO-1984-1204. - **USNM:** 577361.
Myotis goudoti (A. Smith, 1834):
USNM: 577265, 577266, 577267, 577268, 577269, 577270, 577271, 577272, 577273, 577274, 577275, 577276

SE 24046Da:

Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008:
FMNH: 156501, 156502

SE 24046Dc:

Mormopterus jugularis (Peters, 1865):
USNM: 577313, 577314, 577321, 577322, 577336

SE 24046Db:

Miniopterus manavi Thomas, 1906:
USNM: 578744, 578745

SE 24046Dd:

Miniopterus majori Thomas, 1906:
FMNH: 194097. - **USNM:** 577117, 577118, 577119, 577296, 577297, 577298, 577299, 577302, 577303, 577304, 577305, 577306, 577307.
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008:
FMNH: 194136. - **UADBA:** 47312, GKC-3356. - **USNM:** 577096, 577097, 577098, 577099, 577100, 577101, 577102, 577103, 577104, 577105, 577106, 577107, 577108, 577109, 577110, 577111, 577112, 577113, 577114, 577115, 577116, 577129, 577130, 577131.
Myotis goudoti (A. Smith, 1834):
USNM: 577067, 577068, 577259, 577260, 577262, 577263, 577264.
Rousettus madagascariensis G. Grandidier, 1929:
USNM: 577059, 577060, 577061, 577250, 577251, 577252, 577253, 577254, 577255

SE 24047Ac:

Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
FMNH: 85237, 92832, 92833.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
FMNH: 105378, 105379, 105380, 85225, 85226. - **USNM:** 317901, 317902.
Rousettus madagascariensis G. Grandidier, 1929:
FMNH: 85229, 85230

SE 24047Cc:

Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
USNM: 578738, 578855.
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008:
USNM: 577128.
Myotis goudoti (A. Smith, 1834):
USNM: 578739, 578740, 578741, 578854.
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
USNM: 578742, 578743, 578856, 578857, 578858.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
FMNH: 105377

SE 25047Aa:

Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
BMNH: 1891.11.30.10

SE 24047Ab:

Chaerephon pumilus (Cretzschmar, 1826):
MCZ: 45623, 45624, 45625, 45626, 45627, 45628, 45629, 45630, 45631, 45632, 45633, 45634, 45635, 45636.
Macronycteris commersoni (E. Geoffroy St.-Hilaire, 1813):
FMNH: 183982, 183983. - **MCZ:** 45643.
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008:
USNM: 577126, 577127.
Myotis goudoti (A. Smith, 1834):
USNM: 577069.
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
USNM: 577065.
Paremballonura atrata (Peters, 1874):
USNM: 577062, 577063, 577257, 577258.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
USNM: 578832, 578833.
Rousettus madagascariensis G. Grandidier, 1929:
USNM: 577248.
Scotophilus robustus A. Milne-Edwards, 1881:
MCZ: 45653, 45654, 45655

SE 24047Ad:

Mormopterus jugularis (Peters, 1865):
USNM: 577161, 577162, 577163, 577164, 577165, 577166, 577167, 577168, 577169, 577170, 577171, 577172, 577178, 577180, 577181, 577182, 577183, 577184, 577185, 577186, 577187, 577188, 577337, 577338, 577339, 577340, 577341, 577342, 577343, 577344, 577345, 577346, 577347, 577348, 577349, 577350, 577351, 577352, 577353, 577354, 577355, 577356, 577357, 577358, 577359, 577360.
Rousettus madagascariensis G. Grandidier, 1929:
USNM: 317899, 577058, 577249

SE 24047Cb:

Miniopterus minor Peters, 1867:
MNHN: ZM-MO-1985-473

SE 25015Bb:

Sauromys petrophilus (Roberts, 1917):
USNM: 498136.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 498134

SE 25016Ac:

VESPERTILIONIDAE Gray, 1821:
SMW: M-64381

SE 25016Cc:

Eptesicus hottentotus (A. Smith, 1833):
CM: 46797, 46798, 46799, 46800, 46801, 46802, 46803, 46804, 46805, 46806. - **TM:** 27418.
Sauromys petrophilus (Roberts, 1917):
TM: 27419

SE 25016Cb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 6731

SE 25016Da:

Hipposideros caffer (Sundevall, 1846):
SMW: 3856.
Miniopterus natalensis (A. Smith, 1833):
SMW: 3868.
Rhinolophus damarensis Roberts, 1946:
SMW: 2699

SE 25016Bb:

Macronycteris vittatus (Peters, 1852):
ZMB: 54666.

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMH: 6.
Rhinolophus denti Thomas, 1904:
ZMB: 50045

SE 25017Dd:

Cistugo seabrae Thomas, 1912:
BMNH: CN510, CN591.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 256927, 256929.
Tadarida aegyptiaca bocagei (Seabra, 1900):
USNM: 256931, 256932, 256933, 256934, 256935, 256936, 256937, 256938, 256939, 256967, 256970

SE 26017Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 256921, 256922, 256928

SE 25018Aa:

Tadarida aegyptiaca bocagei (Seabra, 1900):
FMNH: 80906

SE 25019Cc:

Neoromicia capensis (A. Smith, 1829):
ZMB: T09988

SE 25019Db:

Neoromicia capensis (A. Smith, 1829):
CM: 93177

SE 25019Dd:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 3954

SE 25020Aa:

Scotophilus dinganii (A. Smith, 1833):
MMK: MAM/HW-137

SE 25020Cc:

Neoromicia capensis (A. Smith, 1829):
MMK: MAM/7070, MAM/7071. - **RMCA:** a0.038-M-0018

SE 25020Cb:

Neoromicia capensis (A. Smith, 1829):
ROM: 45807, 45808, 78210

SE 25020Da:

Neoromicia capensis (A. Smith, 1829):
TM: 17507, 35583, 35584, 35585, 35586, 35587, 35588, 35589, 35590, 35591, 35592, 35593, 35594, 35595, 35596, 35597, 35598, 35599, 355B4, 35600, 35601, 35602, 35612, 35613, 35614, 35615, 35616, 35617, 35618, 35619, 35620, 35621, 35623, 35624, 35625, 35626, 35627, 35628, 35629, 35630, 35631, 35632, 35633, 35634, 35635, 35636, 35637, 35638, 35639, 35640, 35641, 35642, 35643, 35644, 35645, 35646, 35647, 35648, 35649, 35650, 35651, 35652, 35653, 35654, 35655, 35656, 35657, 35658, 35663, 35664, 35665, 35666, 35667, 35668, 35669, 35670, 35671, 35672, 35673, 35674, 35675, 35676, 35677, 35680, 35681, 35688, 35689, 35690, 35691, 35692, 35693.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2718.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 16463, 35622

SE 25020Dc:

Neoromicia capensis (A. Smith, 1829):
USNM: 451067

SE 25020Dd:

Neoromicia capensis (A. Smith, 1829):
TM: 38733, 38734. - **USNM:** 425341

SE 25022Dd:

Neoromicia capensis (A. Smith, 1829):
MMK: MAM/7062, MAM/7063. - **TM:** 45475, 45739

SE 25023Cd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2760

SE 25025Ba:

Sauromys petrophilus (Roberts, 1917):
USNM: 382695.
Scotophilus dinganii (A. Smith, 1833):
USNM: 382680, 382681, 382682, 382683

SE 25025Bb:

Rhinolophus darlingi K. Andersen, 1905:
ZMB: 50041

SE 25025Dd:

Miniopterus natalensis (A. Smith, 1833):
USNM: 221423, 221424, 221425, 221426, 221427, 221428, 221429, 221430, 221437, 221438, 221439, 221440, 221441, 221442, 221443, 221444, 221445, 221446, 221447, 221448, 221449, 221450, 221451, 221452, 221453, 221454, 221455, 221456, 221457, 221458, 221459, 221460, 221461, 221462, 221463, 221464, 221465, 221466, 221467, 221468, 221469, 221470, 221471, 221472, 221473, 221474, 221475, 221476, 221477, 221478, 221479, 221480, 221481, 237537, 237538, 237539, 237540, 237541, 237542, 237543, 237544, 237545, 237546, 237547, 237548, 237549, 237550, 237551, 237552, 237553, 237554, 237555, 237556, 237557, 237558, 237559

SE 25026Ac:

Neoromicia zuluensis (Roberts, 1924):
TM: 14732.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 20529, 20530, 20531

SE 25026Cc:

Neoromicia capensis (A. Smith, 1829):
TM: 7011

SE 25026Ad:

Neoromicia capensis (A. Smith, 1829):
USNM: 575287.
Pipistrellus rusticus (Tomes, 1861):
USNM: 575288.
Rhinolophus darlingi K. Andersen, 1905:
USNM: 575215, 575216.
Rhinolophus simulator K. Andersen, 1904:
USNM: 575209, 575210, 575211, 575212, 575213, 575214

SE 25026Cb:

Neoromicia capensis (A. Smith, 1829):
TM: 23237, 23287.
Pipistrellus rusticus (Tomes, 1861):
TM: 23961.
Scotophilus dinganii (A. Smith, 1833):
TM: 23283, 23286, 23413, 23414, 23415

SE 25026Da:

Neoromicia capensis (A. Smith, 1829):
AMNH: 257381

SE 25026Dd:

Neoromicia capensis (A. Smith, 1829):
TM: 2951.
Rhinolophus Lacépède, 1799:
TM: 43105.
Rhinolophus clivosus Cretzschmar, 1828:
SAMC: 16185

SE 25027Aa:

Neoromicia capensis (A. Smith, 1829):
NMP: 95667.
Neoromicia zuluensis (Roberts, 1924):
ROM: 70980.
Rhinolophus darlingi K. Andersen, 1905:
ROM: 119478. - **TM:** 40746.
Rhinolophus simulator K. Andersen, 1904:
ROM: 70981, 70982, 70983. - **TM:** 37886.
Sauromys petrophilus (Roberts, 1917):
TM: 39011, 39012

SE 25027Ac:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 35440, 35442

SE 25027Ca:

Neoromicia capensis (A. Smith, 1829):
TM: 45580, 48660, 48661.
Pipistrellus rusticus (Tomes, 1861):
TM: 48664.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 594.
Scotophilus dinganii (A. Smith, 1833):
TM: 48652.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 48653

SE 25027Cc:

Eptesicus hottentotus (A. Smith, 1833):
USNM: 575298, 575299.
Glauconycteris Dobson, 1875:
USNM: 575276.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 575335, 575336, 575337, 575338, 575339, 575340

SE 26027Aa:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SAMC: 34203

SE 25027Cb:

Sauromys petrophilus (Roberts, 1917):
TM: X835

SE 25027Cd:

Miniopterus natalensis (A. Smith, 1833):
TM: 19645.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 19629, 19630.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 19679.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 19531, 19631

SE 25027Ba:

Cloeotis percivali Thomas, 1901:
TM: 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676.

Hipposideros caffer (Sundevall, 1846):
TM: 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647.
Miniopterus natalensis (A. Smith, 1833):
TM: 20016.
Rhinolophus simulator K. Andersen, 1904:
TM: 1648, 1649, 1650, 1652, 1653, 1654, 1655, 1656, 1657.
Scotophilus dinganii (A. Smith, 1833):
TM: 1929

SE 25027Da:

Rhinolophus Lacépède, 1799:
TM: 43055, 43057

SE 25027Dc:

Scotophilus dinganii (A. Smith, 1833):
TM: 46908

SE 25027Db:

Myotis tricolor (Temminck, 1832):
USNM: 342643.
Sauromys petrophilus (Roberts, 1917):
TM: 28495.
Scotophilus dinganii (A. Smith, 1833):
TM: 19682

SE 25027Dd:

Miniopterus fraterculus Thomas and Schwann, 1906:
USNM: 342641.
Miniopterus natalensis (A. Smith, 1833):
MVZ: 117234, 117235. - **ROM:** 45565, 45566, 45567, 45604, 45606, 45607, 45608, 45613, 45614, 45615, 45672, 45673, 45674, 45675, 45676, 45677, 45678, 45679, 45983, 45984, 45985, 45986, 76078, 76079, 76080. - **TM:** 12210, 12211, 12212, 12213, 12214, 12215, 12216, 12217, 12218, 12219, 12220, 12564, 12565, 12566, 12567, 12568, 12569, 14728, 16162, 16163, 16408, 16409, 19211, 19212, 29090, 40120, 40121, 40122, 40123, 40124, 40125. - **USNM:** 342640.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 47706.
Myotis tricolor (Temminck, 1832):
ROM: 45714, 78628, 78629. - **TM:** 19210, 25415, 25416, 25417, 25605, 2883, 43132, 43133. - **USNM:** 342644, 342645.
Neoromicia capensis (A. Smith, 1829):
DNSM: 6242, 6243, 6244. - **TM:** 3492, 3742.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BRTC: 36410. - **TM:** 46438, 47674.
Rhinolophus Lacépède, 1799:
TM: 43230, 43231.
Rhinolophus blasii Peters, 1867:
TM: 12448, 2887, 2888, 2889, 42956, 42957, 42958, 42974.
Rhinolophus clivosus Cretzschmar, 1828:
AMNH: 168142, 168143, 168144. - **BRTC:** 36407, 36408, 36409. - **DNSM:** 5383. - **FMNH:** 152551, 38137, 38138, 38139, 38140, 38154. - **MVZ:** 117158, 117159, 117160, 117161, 117162, 117163, 117164, 117165, 117166, 117167, 117168, 117169, 117170, 117171, 117172, 117173, 117174, 117175, 117176, 117177, 117178, 117179, 117180, 117181, 117182. - **ROM:** 45600, 45601, 45602, 45603, 45703, 45704, 45705, 45706, 45707, 45994, 45995, 45996, 48685, 77334, 77841, 77842, 77843, 77844, 77845, 83937. - **SMF:** 19557. - **TM:** 12206, 12207, 12208, 12209, 12447, 14739, 14739a, 16410, 16411, 25613, 25614, 25615, 25616, 41266, 41267, 41268, 41269, 41270, 41271, 41272, 41273, 41274, 41275, 41276, 41277, 41278, 47768. - **USNM:** 342526, 342527, 342528, 342529, 342530, 342531, 342532, 342533, 342534, 342535, 342536, 342537, 342538, 342539, 342540, 342541, 342542, 342543, 342544, 342545, 342546, 342547, 342548, 342549, 342550, 342551, 342552, 342553, 342554, 342555, 342556, 342557, 342558, 342559, 342560, 342561, 342562, 342563, 342564, 342565, 342566, 342567, 342568, 342569, 342570, 342571, 342572, 342573, 342574, 342575, 342576, 342577, 342578, 342579, 342580, 342581, 342582, 344053, 344054, 351949, 351950, 351951, 351952, 351953, 351954.
Rhinolophus darlingi K. Andersen, 1905:
TM: 47757, 47765.
Rhinolophus simulator K. Andersen, 1904:
TM: 13447, 42912, 42913, 42914, 42915, 42916.
Sauromys petrophilus (Roberts, 1917):
TM: 13124.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 6240. - **TM:** 19662

SE 25028Ac:

Miniopterus natalensis (A. Smith, 1833):
TM: 19398, 19399, 19400, 19401, 19402.

Neoromicia capensis (A. Smith, 1829):
TM: 1070.
Pipistrellus rusticus (Tomes, 1861):
TM: 46650, 46907, 47098.
Scotophilus dinganii (A. Smith, 1833):
TM: 46905, 46906

SE 25028Ca:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 6358, 6920.
Cloeotis percivali Thomas, 1901:
LACM: 15667, 15668. - **TM:** 2101, 2102.
Eidolon helvum (Kerr, 1792):
TM: 8947.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 38136. - **TM:** 29050.
Miniopterus natalensis (A. Smith, 1833):
KM: 22961. - **MCZ:** 33958, 33959, 33960, 33961, 33962, 33963. - **TM:** 6324, 7108, 7109, 7110, 7111.
Neoromicia capensis (A. Smith, 1829):
BRTC: 20893. - **CM:** 40688. - **DNSM:** 6239. - **MZUF:** 3596. - **TM:** 10030, 10037, 1071, 11783, 11784, 14067, 14068, 2439, 41023, 43153, 43154, 43155, 43156, 43157, 43158, 43159, 45126, 47099, 4768, 4769, 4770, 4924, 4940, 6876, 7383, 7440, 9425.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 1040, 1519, 2002.
Pipistrellus rusticus (Tomes, 1861):
TM: 1091, 46887, 46917.
Rhinolophus Lacépède, 1799:
TM: 40499, 42940.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 45599. - **TM:** 1015, 13532, 13533, 6818, 6822, 6824, 6825.
Rhinolophus darlingi K. Andersen, 1905:
TM: 2108.
Rhinolophus simulator K. Andersen, 1904:
TM: 3936, 3937, 42917.
Sauromys petrophilus (Roberts, 1917):
TM: 788.
Scotophilus Leach, 1821:
TM: 11782, 12223.
Scotophilus dinganii (A. Smith, 1833):
TM: 1096, 12800, 13305, 13726, 1494, 1520, 15510, 25408, 25411, 2885, 2952, 34162, 3949, 41431, 45120, 45122, 45124, 45133, 4767, 6256, 6835, 6875, 7380, 7784, 8724.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
ROM: 46028, 46029, 46030. - **TM:** 20141, 28449, 2880, 42206, 42528, 42529, 45328, 4669, 6943.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
RMCA: 31129, 31130. - **TM:** 13104, 13117, 13436

SE 25028Cc:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 29051, 41547, 45125.
Miniopterus natalensis (A. Smith, 1833):
BRTC: 36415, 36416, 36417, 36418. - **TM:** 2944, 2945, 2946, 40052, 40053, 40054, 40055, 40059, 42270, 42271, 46711. - **USNM:** 376758, 376759, 376760, 376761, 376762.
Myotis tricolor (Temminck, 1832):
TM: 12570, 6819, 6820, 6821.
Neoromicia capensis (A. Smith, 1829):
TM: 34163, 34164, 46820, 46884, 46886, 47091, 47100, 47673, 47715, 47716, 9988. - **USNM:** 575285.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BRTC: 20888. - **TM:** 1035, 1036, 1037, 1039. - **USNM:** 376753.
Pipistrellus rusticus (Tomes, 1861):
TM: 45134.
Rhinolophus Lacépède, 1799:
TM: 42938, 42941, 42942, 43238, 43239, 43318, 46717.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 12577, 19412, 2942, 43261, 43262. - **USNM:** 376756, 376757.
Rhinolophus simulator K. Andersen, 1904:
TM: 40919, 42907, 45226.
Scotophilus Leach, 1821:
TM: 43199.
Scotophilus dinganii (A. Smith, 1833):
TM: 12799, 15180, 16405, 19166, 25691, 28445, 2886, 38988. - **USNM:** 575297.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
ROM: 45741, 45742, 45743, 45744, 45745, 45746, 45747, 78124, 78125, 78126, 78127. - **TM:** 4667, 4668.

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 41636

SE 25028Cb:

Neoromicia capensis (A. Smith, 1829):
TM: 37103, 45986.
Rhinolophus clivosus Cretzschmar, 1828:
RMCA: 31125, 31126.
Rhinolophus darlingi K. Andersen, 1905:
TM: 2103, 2104, 2105, 2106, 2107, 2879, 42952, 42953, 42954, 42978, 42979, 42980, 42981, 42982.
Scotophilus dinganii (A. Smith, 1833):
TM: 19583, 43645, 43646, 45121.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 13444, 13445, 13446

SE 25028Cd:

Miniopterus natalensis (A. Smith, 1833):
TM: 2440, 2441, 2442, 42574, 42575, 42576, 42577, 42578, 42579, 42580, 42581, 42582, 42583, 42584, 42585, 42586, 42587, 42588, 42589, 42590, 42591, 42678, 42679, 42680, 42681, 42682, 42683, 42684, 42857, 42862, 42863, 42864, 42865, 42866, 42867, 42868, 42869, 43182, 43183, 43184, 43185, 43186, 43187, 43189, 43190, 43191, 43192, 43193, 43194, 43195, 43196.
Neoromicia capensis (A. Smith, 1829):
CM: 40687. - **ROM:** 78208, 78209. - **TM:** 12801, 12802, 19593, 19594, 19595, 42738.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 43099.
Scotophilus dinganii (A. Smith, 1833):
TM: 13118, 13120, 13121.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 19596

SE 25028Bc:

Neoromicia capensis (A. Smith, 1829):
TM: 49191, 49192, 49193.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 24959

SE 25028Da:

Pipistrellus rusticus (Tomes, 1861):
TM: 34362.
Scotophilus dinganii (A. Smith, 1833):
TM: 25410

SE 25028Dc:

Neoromicia capensis (A. Smith, 1829):
TM: 46875.
Scotophilus dinganii (A. Smith, 1833):
TM: 45117

SE 25028Db:

Sauromys petrophilus (Roberts, 1917):
TM: 35445

SE 25028Dd:

Cloeotis percivali Thomas, 1901:
FMNH: 62253. - **USNM:** 238100.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 38141.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 156340, 156341.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 17502

SE 25029Ca:

Neoromicia capensis (A. Smith, 1829):
TM: 49169, 49170, 49171

SE 25029Ad:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 25403, 25404, 25405, 25406, 25407.
Hipposideros caffer (Sundevall, 1846):
TM: 19835, 19840, 19852.
Miniopterus natalensis (A. Smith, 1833):
TM: 19877.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 19815, 19816, 19832, 19833, 19851, 19871, 47103.
Pipistrellus hesperidus (Temminck, 1840):
TM: 47654.
Rhinolophus simulator K. Andersen, 1904:
TM: 19834.
Scotophilus dinganii (A. Smith, 1833):
TM: 40926

SE 25029Cd:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 43086.
Scotophilus Leach, 1821:
TM: 13206

SE 25029Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 46286.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 41432

SE 25029Bd:

Neoromicia capensis (A. Smith, 1829):
TM: 46476, 46477

SE 25029Db:

Rhinolophus simulator K. Andersen, 1904:
TM: 47081, 47085

SE 25029Dd:

Miniopterus natalensis (A. Smith, 1833):
TM: 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1115, 1116, 1117, 1118, 1119, 41021.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 1009

SE 25030Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 13392.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 47104

SE 25030Ac:

Myotis welwitschii (Gray, 1866):
TM: 963.
Neoromicia capensis (A. Smith, 1829):
TM: 23799, 23800, 23801, 23802, 23803, 23804, 23815, 47667, 47668.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 23765

SE 25030Ca:

Mops (Mops) midas (Sundevall, 1843):
DNSM: 9874.
Rhinolophus blasii Peters, 1867:
TM: 47731.
Rhinolophus swinnyi Gough, 1908:
TM: 47732

SE 25030Ab:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 47130.
Neoromicia capensis (A. Smith, 1829):
DNSM: 13389. - **TM:** 43140, 43141, 43143, 47089, 47101, 47669, 47670, 47671. - **ZMB:** 54266, 54267, 54271, 54273, 54274, 54279, 54281, 54451, 54581, 55515.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 43101.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 43087, 43088, 43089, 43090, 43091, 43092.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 47157

SE 25030Ad:

Mops (Mops) condylurus (A. Smith, 1833):
BRTC: 20898.
Neoromicia capensis (A. Smith, 1829):
TM: 47086

SE 25030Cb:

Neoromicia capensis (A. Smith, 1829):
NMB: 7781. - **TM:** 5254

SE 25030Cd:

CHIROPTERA Blumenbach, 1779:
TM: 43232.
Cloeotis percivali Thomas, 1901:
TM: 47615.
Myotis tricolor (Temminck, 1832):
TM: 47617.
Neoromicia capensis (A. Smith, 1829):
TM: 47008, 47009, 47010, 47011.
Rhinolophus simulator K. Andersen, 1904:
TM: 47012

SE 25030Ba:

Chaerephon pumilus (Cretzschmar, 1826):
MVZ: 216845, 216846.
Hipposideros caffer (Sundevall, 1846):
TM: 47150.
Miniopterus natalensis (A. Smith, 1833):
TM: 46446, 46450

SE 25030Bc:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 41903.
Cloeotis percivali Thomas, 1901:
TM: 46644.
Eptesicus hottentotus (A. Smith, 1833):
TM: 46916.
Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 12003. - **TM:** 46447.
Neoromicia capensis (A. Smith, 1829):
TM: 46914.
Pipistrellus hesperidus (Temminck, 1840):
TM: 46915.
Rhinolophus blasii Peters, 1867:
TM: 46645.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 41902, 46643, 47613.
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 11556, 11557, 11558, 11559, 11560. - **TM:** 41901, 46641.
Rhinolophus lobatus Peters, 1852:
TM: 41986.
Rhinolophus simulator K. Andersen, 1904:
TM: 46647, 46843, 46844, 46845

SE 25030Da:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: 47090

SE 25030Dc:

Eptesicus hottentotus (A. Smith, 1833):
DNSM: 13390. - **TM:** 46608.
Neoromicia capensis (A. Smith, 1829):
DNSM: 5354, 5376. - **TM:** 46630.
Pipistrellus hesperidus (Temminck, 1840):
TM: 46609

SE 25030Bb:

Hipposideros caffer (Sundevall, 1846):
TM: 42816.
Vespertilioninae Gray, 1821:
TM: 43169

SE 25030Bd:

Epomophorus crypturus Peters, 1852:
TM: 13951.
Epomophorus wahlbergi (Sundevall, 1846):
SMNS: 17488, 5033, 6726. - **TM:** 13950, 3831.
Miniopterus fraterculus Thomas and Schwann, 1906:
USNM: 381629, 381632, 381633, 381634.
Miniopterus natalensis (A. Smith, 1833):
TM: 40329. - **USNM:** 381621, 381622, 381623, 381624, 381625, 381626, 381627, 381628, 381630, 381631, 381635, 381636, 381637, 381638, 381639, 381640, 381641, 381642, 381643, 381644, 381645, 381646, 479537.
Neoromicia capensis (A. Smith, 1829):
TM: 2343, 42721, 42747, 42748.
Neoromicia nana (Peters, 1852):
TM: 12758, 12759, 12760, 12761, 12762, 12764, 12765, 12766, 12767, 12768, 12769, 12770, 14040. - **USNM:** 381649, 381650

SE 25030Db:

Neoromicia nana (Peters, 1852):
TM: 44308, 44309.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 42473, 47653

SE 25030Dd:

Epomophorus wahlbergi (Sundevall, 1846):
CM: 40965. - **USNM:** 468324, 468325.
Neoromicia capensis (A. Smith, 1829):
CM: 41022, 41054.
Neoromicia nana (Peters, 1852):
CM: 41056.
Pipistrellus hesperidus (Temminck, 1840):
CM: 41053.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 381560, 381561, 381562, 381563, 381564, 381565, 381566, 381567, 381568, 381569, 381570, 381571, 381572, 381573, 381574, 381575, 381576, 381577, 381578, 381579, 381580, 381581, 381582, 381583, 384726, 384727, 384728, 384729, 384730, 384731, 384732, 384733, 384734, 384735, 384736, 384737, 384738, 384739, 384740, 384741, 384742, 384743, 384744, 575255, 575256, 575257, 575258, 575259, 575260, 575261, 575262, 575263, 575264, 575265, 575266, 575267, 575268, 575269, 575270, 575271, 575272, 575273, 575274, 575275

SE 25031Aa:

Myotis welwitschii (Gray, 1866):
SNP: 98. - **TM:** 46638.
Neoromicia nana (Peters, 1852):
BMNH: 1906.8136.
Rhinolophus darlingi K. Andersen, 1905:
TM: 13474, 13475.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 5336, 5528

SE 25031Ac:

Epomophorus wahlbergi (Sundevall, 1846):
USNM: 381537.
Neoromicia nana (Peters, 1852):
USNM: 381651.
Pipistrellus Kaup, 1829:
USNM: 384745, 384757

SE 25031Ca:

Miniopterus natalensis (A. Smith, 1833):
USNM: 479536.
Pipistrellus hesperidus (Temminck, 1840):
CM: 41052.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 5083. - **TM:** 20155, 20156, 20158, 20160, 20161.
Rhinolophus darlingi K. Andersen, 1905:
TM: 20159.
Rhinolophus simulator K. Andersen, 1904:
TM: 20157

SE 25031Cc:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 42634, 42635, 42636, 42637, 42638, 42839, 42840, 42841, 42842, 42843, 42844, 42845, 42846, 42847, 42848, 42849, 42850, 42851, 42852, 42853.
Epomophorus crypturus Peters, 1852:
TM: 29482, 29483, 29484, 29485, 29486, 29487, 29488, 29489, 29490, 43510, 43511, 43607.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 1367.
Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 8050. - **TM:** 1993, 1994, 8050.
Miniopterus natalensis (A. Smith, 1833):
TM: 1991, 1992.
Neoromicia nana (Peters, 1852):
TM: 44307.
Pipistrellus hesperidus (Temminck, 1840):
TM: 1990.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 11616, 11617, 8037. - **TM:** 43011, 43012, 43013, 43014, 43015. - **USNM:** 381559.
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 11618, 11619, 11620, 7886, 8626.
Rhinolophus darlingi K. Andersen, 1905:
TM: 42975, 47661.
Rhinolophus simulator K. Andersen, 1904:
TM: 1983, 1984

SE 25031Ab:

Epomophorus crypturus Peters, 1852:
KNP: 108, 16, 17, 18, 19.
Hipposideros caffer (Sundevall, 1846):
KNP: 186.
Miniopterus natalensis (A. Smith, 1833):
KNP: 66, 70.
Myotis welwitschii (Gray, 1866):
KNP: 98.
Neoromicia nana (Peters, 1852):
BMNH: 1906.8.2.36. - **KNP:** 40A.
Pipistrellus rusticus (Tomes, 1861):
BMNH: 1906.8.2.34, 1906.8.2.37, 1906.82.34.
Rhinolophus darlingi K. Andersen, 1905:
KNP: 109, 65, 67, 68.
Scotophilus dinganii (A. Smith, 1833):
KNP: 56, 71

SE 25031Ad:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 30042.
Hipposideros caffer (Sundevall, 1846):
TM: 30048, 41318.
Rhinolophus darlingi K. Andersen, 1905:
TM: 30046, 30047.

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 35455, 35456

SE 25031Cb:

Hipposideros caffer (Sundevall, 1846):
TM: 2475.
Miniopterus natalensis (A. Smith, 1833):
TM: 2483, 2484. - **USNM:** 381648, 384770.
Myotis tricolor (Temminck, 1832):
TM: 2479, 2480, 2481, 2482, 42696, 43121, 43122, 43123, 43124, 43125, 43210. - **USNM:** 238099.
Rhinolophus blasii Peters, 1867:
TM: 9470.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 1975, 1976, 43109. - **USNM:** 381585, 381586, 381587, 381588, 381589, 381591, 381592, 381593, 381594, 381595, 381596.
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012:
DNSM: 11918, 11919.
Rhinolophus darlingi K. Andersen, 1905:
TM: 2476.
Rhinolophus simulator K. Andersen, 1904:
TM: 1979, 1980, 2470, 2471, 2472, 2473, 42908, 42909, 42910, 42911.
Scotophilus Leach, 1821:
TM: 43198.
Scotophilus dinganii (A. Smith, 1833):
TM: 2477, 2478

SE 25031Cd:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 13467, 8042.
Cloeotis percivali Thomas, 1901:
DNSM: 8021, 8026, 8027. - **TM:** 1987, 1988, 1989.
Hipposideros caffer (Sundevall, 1846):
TM: 1985, 1986.
Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 8043, 8048.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 8038, 8044, 8051.
Myotis bocagii (Peters, 1870):
DNSM: 13644.
Myotis tricolor (Temminck, 1832):
DNSM: 8040.
Neoromicia nana (Peters, 1852):
DNSM: 13465.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 13464.
Rhinolophus blasii Peters, 1867:
DNSM: 7897.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 7893, 7894, 8047. - **TM:** 1977, 1978.
Rhinolophus simulator K. Andersen, 1904:
TM: 1981, 1982.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 13466. - **USNM:** 342639

SE 25031Ba:

Hipposideros caffer (Sundevall, 1846):
KNP: 169. - **TM:** 13473.
Miniopterus natalensis (A. Smith, 1833):
TM: 13471.
Myotis welwitschii (Gray, 1866):
SNP: 98b.
Neoromicia capensis (A. Smith, 1829):
TM: 37296, 37297, 37298, 37299, 37300, 37301, 39726, 39727, 39728, 39729.
Nycticeinops schlieffenii (Peters, 1859):
TM: 39724, 39725.
Rhinolophus darlingi K. Andersen, 1905:
KNP: 07, 08, 09, 10. - **TM:** 13476, 13477, 13478, 13479, 13480, 39708, 39709, 39710, 39711, 39712, 39713, 39714, 39715, 39716, 39717, 39718, 39719.
Scotophilus dinganii (A. Smith, 1833):
TM: 39720, 39721, 39722, 39723

SE 25031Bc:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 2485, 2486, 2488, 30008, 30009, 30010, 30011, 30012, 30013, 30014, 30015, 42592, 42593, 42594, 42595, 42596, 42597, 42598, 42599, 42600, 42601, 42602, 42603.
Cloeotis percivali Thomas, 1901:
TM: 39774.
Epomophorus crypturus Peters, 1852:
KNP: 91. - **TM:** 1061, 13537, 24832, 24833, 24835, 24836, 24837.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 257145, 257146. - **KNP:** 92. - **TM:** 1058, 1059, 1060, 14058, 14059, 30040, 46712.
Hipposideros caffer (Sundevall, 1846):
AMNH: 257178, 257179, 257180, 257181, 257182, 257183, 257184, 257185. - **TM:** 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 39781, 39782, 39783, 39784, 41013, 41309, 41310, 41311, 41312, 41313, 41314, 41315, 41316, 41317, 47616.
Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 47624.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 257445, 257446. - **TM:** 1129, 1130, 1131, 1132, 1133, 1134a, 1322, 1323, 30025, 39785, 39786, 47622.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 30016, 47734.
Neoromicia capensis (A. Smith, 1829):
TM: 30031, 30032.
Neoromicia zuluensis (Roberts, 1924):
TM: 1072.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 1041, 1042, 1043, 1044, 1319, 1320, 1321, 24859, 24861, 24862, 24873, 41328, 41329.
Nycticeinops schlieffenii (Peters, 1859):
SAMC: 10114.
Pipistrellus hesperidus (Temminck, 1840):
TM: 1090.
Rhinolophus darlingi K. Andersen, 1905:
TM: 30037, 47618.
Rhinolophus simulator K. Andersen, 1904:
AMNH: 257166, 257167, 257168, 257169, 257170, 257171, 257172, 257173. - **TM:** 1045, 1186, 1316, 1317, 1318, 39775, 39776, 39777, 39778, 39779, 39780, 41319, 41320, 41321, 41322, 41323, 41324, 41325, 41326, 41327.
Sauromys petrophilus (Roberts, 1917):
TM: 42798.
Scotophilus dinganii (A. Smith, 1833):
TM: 30017.
Scotophilus nigrita (Schreber, 1774):
DNSM: 9873.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 2487

SE 25031Da:

Miniopterus natalensis (A. Smith, 1833):
USNM: 381647.
Myotis bocagii (Peters, 1870):
DNSM: 7348, 7349.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1893.11.26.16.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 47619. - **USNM:** 381584.
Rhinolophus darlingi K. Andersen, 1905:
USNM: 381590.
Rhinolophus simulator K. Andersen, 1904:
TM: 47620

SE 25031Dc:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 5975. - **FMNH:** 108341. - **ROM:** 68798, 68806, 68828, 68829, 68830, 68831, 68832, 68833, 68847. - **TM:** 45686.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 68791, 68792, 68799.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 5974, 5976. - **ROM:** 68805, 68807, 68808, 68809, 68810, 68811, 68812, 68813, 68814, 68815, 68816, 68817, 68818, 68819, 68820, 68821, 68822, 68823, 68824, 68825, 68826, 68827, 68834, 68835, 68836, 68837, 68838, 68839, 68840, 68841, 68842, 68843.
Neoromicia nana (Peters, 1852):
ROM: 68802, 68803, 68804

SE 25031Bb:

Chaerephon pumilus (Cretzschmar, 1826):
SMF: 12180, 12212

SE 25031Bd:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 7247. - **FMNH:** 195608, 195609, 195610, 195611, 195612, 195613, 195614, 195615. - **TM:** 24884, 24885, 24886, 24887, 24888, 24889, 24890, 24891, 24892, 24893, 24894, 24895, 24896, 24897, 24898, 24899, 24900, 24901, 24902, 24903, 46051, 46052.
CHIROPTERA Blumenbach, 1779:
TM: 46060.
Cloeotis percivali Thomas, 1901:
TM: 17503.
Epomophorus crypturus Peters, 1852:
TM: 24834, 24838, 24839, 24840, 24841, 990.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 195594, 195595, 195596.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 29986, 29987, 29998, 29999, 30000, 30001, 30002, 30003, 30004, 30005, 30006, 30007, 34539, 47152, 47153, 47154, 47735. - **USNM:** 468416.
Neoromicia capensis (A. Smith, 1829):
FMNH: 195628, 195629.
Neoromicia nana (Peters, 1852):
TM: 17227, 17228, 17229, 17230, 17231, 17232, 17233, 17234, 17235, 17236, 17237, 17238, 17239, 17240, 17241, 17242, 17243, 17244, 17245, 17246, 17247, 17248, 17249, 17250. - **USNM:** 575277, 575278, 575279, 575280, 575281, 575282, 575283, 575284.
Neoromicia zuluensis (Roberts, 1924):
FMNH: 195630, 195631, 195632, 195633, 195634.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
FMNH: 195603, 195604, 195605, 195606. - **TM:** 17504, 24860.
Nycticeinops schlieffenii (Peters, 1859):
FMNH: 195621, 195622, 195623, 195624, 195625, 195626, 195627.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 195616, 195617. - **TM:** 24872, 34540, 34541, 34542, 34543, 34544.
Scotophilus nigrita (Schreber, 1774):
TM: 47626.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
FMNH: 195599, 195600, 195601, 195602

SE 25031Dd:

Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 245139

SE 25032Aa:

Hipposideros caffer (Sundevall, 1846):
TM: 39771

SE 25032Ac:

Chaerephon pumilus (Cretzschmar, 1826):
NHMZ: 62577.
Miniopterus natalensis (A. Smith, 1833):
NMZL: 863127.
Mops (Mops) condylurus (A. Smith, 1833):
NHMZ: 62468.
Scotophilus dinganii (A. Smith, 1833):
NHMZ: 63255.
Scotophilus viridis (Peters, 1852):
NHMZ: 63279

SE 25032Ca:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 352238, 352239, 352240, 352241, 352242, 352243, 352244.
Epomophorus wahlbergi (Sundevall, 1846):
USNM: 351994.
Miniopterus natalensis (A. Smith, 1833):
USNM: 352116.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 352152, 352153, 352154.

Neoromicia nana (Peters, 1852):
USNM: 352065, 352066

SE 25032Cc:

Epomophorus wahlbergi (Sundevall, 1846):
ROM: 41709

SE 25032Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1907.5.27.1, 1907.5.27.2

SE 25032Cd:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 105701.
Neoromicia nana (Peters, 1852):
USNM: 365400, 365401

SE 25032Ba:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 352237.
Hipposideros caffer (Sundevall, 1846):
USNM: 352042

SE 25032Dc:

Chaerephon pumilus (Cretzschmar, 1826):
CZL: 5520243. - **NHMZ:** 31370.
Epomophorus wahlbergi (Sundevall, 1846):
MVZ: 117088, 117089, 117090, 117091, 117092, 117093, 117094, 117973, 117974.
Hipposideros caffer (Sundevall, 1846):
SAMC: 38836.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 105, 106, 107.
Scotophilus dinganii (A. Smith, 1833):
TM: 1095

SE 25032Bb:

Neoromicia rendalli (Thomas, 1889):
DNSM: 8666

SE 25032Bd:

Neoromicia nana (Peters, 1852):
CZL: 48.01.705, 48.01.712

SE 25045Aa:

Miniopterus majori Thomas, 1906:
MCZ: 45574

SE 25045Ad:

Miniopterus manavi Thomas, 1906:
MCZ: 45102, 45103, 45589, 45590, 45591, 45592, 45593, 45594, 45595, 45596, 45597, 45598, 45599, 45600, 45601, 45621.
Mormopterus jugularis (Peters, 1865):
USNM: 328773, 328774, 328775, 328776, 328777, 328781, 328782, 328783, 328784, 328785, 328786, 328787

SE 25045Da:

Mormopterus jugularis (Peters, 1865):
MNHN: ZM-MO-1985-443, ZM-MO-1985-444, ZM-MO-1985-445, ZM-MO-1985-446, ZM-MO-1985-447, ZM-MO-1985-448, ZM-MO-1985-449, ZM-MO-1985-450, ZM-MO-1985-451, ZM-MO-1985-452. - **USNM:** 294530, 294531, 294532, 294533, 294534

SE 25046Aa:

Eidolon dupreanum (Schegel, 1867):
MCZ: 45584.

Mops (Mops) midas (Sundevall, 1843):
USNM: 577189, 577190, 577191, 577192, 577193, 577194, 577195, 577196, 577197, 577198, 577199, 577200, 577201, 577202, 577203, 577204, 577205, 577206, 577207, 577208, 577209, 577210, 577211, 577212, 577213, 577214, 577362, 577363, 577364, 577365, 577366, 577367, 577368.
Mormopterus jugularis (Peters, 1865):
USNM: 577135, 577136, 577137, 577138, 577139, 577140, 577141, 577142, 577143, 577144, 577145, 577146, 577147, 577148, 577149, 577150, 577151, 577152, 577153, 577154, 577155, 577156, 577157, 577158, 577159, 577160, 577173, 577174, 577175, 577176, 577177, 577315, 577316, 577317, 577318, 577319, 577320, 577323, 577324, 577325, 577326, 577327, 577328, 577329, 577330, 577331, 577332, 577333, 577334, 577335.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
MCZ: 45058, 45059, 45060, 45061, 45062, 45063, 45445

SE 25046Ab:

Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009:
USNM: 577076, 577077, 577078.
Miniopterus manavi Thomas, 1906:
USNM: 577079, 577080, 577081, 577087, 577088, 577089, 577090, 577091, 577092, 577093, 577094, 577095.
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007:
USNM: 577074.
Mormopterus jugularis (Peters, 1865):
USNM: 577132, 577133, 577134.
Myotis goudoti (A. Smith, 1834):
USNM: 577070, 577071.
Triaenops menamena Goodman and Ranivo, 2009:
USNM: 577064

SE 25046Ba:

Eidolon dupreanum (Schegel, 1867):
MCZ: 45065, 45066, 45067, 45421, 45422, 45423.
Miniopterus majori Thomas, 1906:
USNM: 577300, 577301.
Miniopterus manavi Thomas, 1906:
USNM: 577277, 577278, 577279, 577280, 577281, 577282, 577283, 577284, 577285, 577286, 577287, 577288.
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008:
USNM: 577072, 577073, 577122, 577123, 577124, 577125.
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007:
USNM: 577120, 577121.
Mormopterus Peters, 1865:
MCZ: 45131.
Myotis goudoti (A. Smith, 1834):
USNM: 577261

SE 25046Bb:

Rousettus madagascariensis G. Grandidier, 1929:
USNM: 578724, 578725, 578726, 578727, 578728, 578729, 578730, 578731, 578732, 578733, 578734, 578735, 578736, 578737, 578834, 578835, 578836, 578837, 578838, 578839, 578840, 578841, 578842, 578843, 578844, 578845, 578846, 578847, 578848, 578849, 578850, 578851, 578852, 578853

SE 25047Aa:

Eidolon dupreanum (Schegel, 1867):
MCZ: 45746, 45747.
Miniopterus manavi Thomas, 1906:
ROM: 46909.
Mormopterus jugularis (Peters, 1865):
MCZ: 45385, 45386, 45387, 45388, 45389, 45390, 45407, 45408, 45409, 45410, 45411. - **USNM:** 577388.
Myzopoda aurita Milne-Edwards and A. Grandidier, 1878:
ROM: 46926.
Pteropus rufus E. Geoffroy St.-Hilaire, 1803:
BMNH: 1934.7.2.55. - **MCZ:** 45757, 45758.
Rousettus madagascariensis G. Grandidier, 1929:
ROM: 46918, 46919, 46920, 46921, 46922, 46923, 46924, 46925. - **USNM:** 577256.
Triaenops menamena Goodman and Ranivo, 2009:
MCZ: 45449. - **MZUF:** 6185

SE 26016Ca:

Cistugo seabrae Thomas, 1912:
SMW: 11197. - **TM:** 37541, 37542, 37543, 37544, 37549, 37550, 37561, 37562, 37563, 377549.
Eptesicus hottentotus (A. Smith, 1833):
CM: 93261. - **SMW:** 11154. - **TM:** 37539, 37540, 37551, 37552, 37553, 37554, 37555, 37560.

Laephotis namibensis Setzer, 1971:
TM: 37547, 37548.
Sauromys petrophilus (Roberts, 1917):
TM: 37537.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 11191. - **TM:** 37536, 37538, 37556, 37557, 37558, 37559

SE 26016Cb:

Sauromys petrophilus (Roberts, 1917):
TM: 34324

SE 26016Cd:

Laephotis namibensis Setzer, 1971:
TM: 33472.
Rhinolophus damarensis Roberts, 1946:
SMW: 1351

SE 26016Db:

Rhinolophus capensis Lichtenstein, 1823:
ZMB: 18025

SE 26017Aa:

Rhinolophus damarensis Roberts, 1946:
SMW: 10148

SE 26017Ca:

Eidolon helvum (Kerr, 1792):
ZMB: 90649

SE 26017Cd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 32546

SE 26017Dd:

Eptesicus hottentotus (A. Smith, 1833):
TM: 32565, 32566.
Neoromicia capensis (A. Smith, 1829):
TM: 32547, 32548, 32567.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 32516.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 32549, 32550, 32551, 32552, 32568

SE 26018Ca:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 32585. - **USNM:** 256930. - **ZMH:** 10

SE 26018Ad:

Nycteris macrotis Dobson, 1876:
ZMB: T10288

SE 26019Bc:

Neoromicia capensis (A. Smith, 1829):
LACM: 41660

SE 26020Ba:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2715.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
BRTC: 20897. - **TM:** 16462, 16464

SE 26020Bc:

Neoromicia capensis (A. Smith, 1829):
USNM: 451066.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 15567, 15568, 15569, 15570, 15571, 15572.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 13573, 15573

SE 26020Bb:

Neoromicia capensis (A. Smith, 1829):
TM: 35604, 35605, 35606, 35607, 35608, 35609, 35610, 35611

SE 26021Db:

Neoromicia capensis (A. Smith, 1829):
NHMZ: 64156. - **USNM:** 425342.
Rhinolophus denti Thomas, 1904:
NHMZ: 64260

SE 26022Ab:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NHMZ: 62887

SE 26022Ad:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1904.10.1.8, 1904.4.8.1.
Rhinolophus Lacépède, 1799:
ZMB: 3464.
Rhinolophus clivosus Cretzschmar, 1828:
ZMB: 24928, 24929

SE 26024Ca:

Neoromicia capensis (A. Smith, 1829):
MMK: MAM/7061

SE 26024Dc:

Neoromicia capensis (A. Smith, 1829):
TM: 6843.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 5261, 5262, 5263, 5264, 5265, 5266

SE 26025Da:

Neoromicia capensis (A. Smith, 1829):
TM: 23465, 23466, 23467, 23468, 23469, 23470, 23481, 23482

SE 26026Aa:

Neoromicia capensis (A. Smith, 1829):
TM: 27670

SE 26026Cd:

Miniopterus natalensis (A. Smith, 1833):
TM: 2071.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 1016, 1017, 2067, 2068, 2069, 2070.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 2073, 2074

SE 26026Bc:

Neoromicia capensis (A. Smith, 1829):
TM: 2545, 27752, 27767, 27768, 27769, 27772, 27773, 27774, 27775, 27776, 27777, 27778, 27779, 27780, 27781, 27782, 27783.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 29777

SE 26027Ac:

Rhinolophus clivosus Cretzschmar, 1828:
NMB: 4991

SE 26027Ca:

MOLOSSIDAE Gervais, 1856:
TM: 42808, 42809.
Neoromicia capensis (A. Smith, 1829):
SAMC: 34338. - **TM:** 41849, 41850.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1909.1.20.3.
Rhinolophus Lacépède, 1799:
TM: 43023.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 1000, 1002, 1003, 1006, 1008, 7023.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 1136, 1138, 41055, 41056, 41057, 41058, 41059, 41060, 41061, 41062, 41063, 41064, 41065. - **USNM:** 156338.
Tadarida aegyptiaca bocagei (Seabra, 1900):
USNM: 156339

SE 26027Cc:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 44959

SE 26027Ad:

Rhinolophus Lacépède, 1799:
TM: 43258.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 1001, 1004, 1007, 43321, 43322, 44755, 947, 996, 997, 998, 999

SE 26027Cb:

Eidolon helvum (Kerr, 1792):
TM: 44219.
Neoromicia capensis (A. Smith, 1829):
TM: 23519, 23521, 23522

SE 26027Cd:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 42686.
Miniopterus natalensis (A. Smith, 1833):
FMNH: 195655, 195656, 195657, 195658, 195659, 195660, 195661, 195662, 195663, 195664, 195665, 195666, 195667, 195668, 195669, 195670, 195671, 195672, 195673, 195674, 195675. - **TM:** 41020.
Myotis tricolor (Temminck, 1832):
FMNH: 195651, 195652, 195653, 195654. - **TM:** 2091, 2092, 2093, 2094, 42685, 43126, 43127, 43128, 43129, 43130, 43131.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1904.3.1.3, 1904.3.1.51. - **NMB:** 3171, 5885, 5886, 5887, 5888, 5891, 5892, 5893, 5894, 5895, 5896, 5897.
Rhinolophus clivosus Cretzschmar, 1828:
FMNH: 195636, 195637, 195638, 195639, 195640, 195641, 195642, 195643, 195644, 195645, 195646, 195647, 195648, 195649, 195650. - **NMB:** 5889. - **TM:** 48344, 48345, 48347, 48348.
Sauromys petrophilus (Roberts, 1917):
TM: 42533, 42534.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 3170, 5890

SE 26027Ba:

Miniopterus fraterculus Thomas and Schwann, 1906:
KM: 6062.
Miniopterus natalensis (A. Smith, 1833):
TM: 12043, 12044, 47763.
Myotis tricolor (Temminck, 1832):
TM: 12422.
Rhinolophus Lacépède, 1799:
TM: 42983, 42984, 42985, 43046, 43047, 43048.
Rhinolophus blasii Peters, 1867:
TM: 12045.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 6053. - **TM:** 10019, 10151, 10152, 10153, 10154, 10155, 12046, 12169, 47767.

Rhinolophus darlingi K. Andersen, 1905:
TM: 47947

SE 26027Dc:

Neoromicia capensis (A. Smith, 1829):
TM: 45799, 45800, 45801, 45802, 45803

SE 26027Bb:

Cloeotis percivali Thomas, 1901:
BRTC: 20887. - **DNSM:** 14071.
Myotis tricolor (Temminck, 1832):
TM: 7055, 7056, 7058, 7059, 9058.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1898.4.4.8, 1898.4.4.9. - **ROM:** 51092. - **TM:** 43145, 45119, 46876.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 51091.
Rhinolophus blasii Peters, 1867:
TM: 2062, 7060, 7061, 7062, 7063, 7064, 7065, 7066, 7067, 7068, 7076, 7077, 7078, 7079, 7080, 7081, 7083.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 51058, 51059, 51060, 51061, 51062, 51063, 51093, 51094, 51095. - **TM:** 1011.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 1134, 1137, 41066

SE 26027Db:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 43868

SE 26028Aa:

Neoromicia capensis (A. Smith, 1829):
TM: 1069, 15181, 15957, 20859, 43142, 43144, 45127, 46846.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 1010

SE 26028Ca:

Neoromicia capensis (A. Smith, 1829):
DNSM: 6900. - **TM:** 41686, 46421.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 44916

SE 26028Ab:

Myotis welwitschii (Gray, 1866):
TM: 17035.
Neoromicia capensis (A. Smith, 1829):
TM: 39934

SE 26028Bd:

MOLOSSIDAE Gervais, 1856:
TM: 42854, 42855, 42856.
Neoromicia capensis (A. Smith, 1829):
TM: 27079

SE 26029Cd:

Neoromicia capensis (A. Smith, 1829):
TM: 25056, 25057, 25058, 25059

SE 26029Db:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 43024, 43025

SE 26030Aa:

Neoromicia capensis (A. Smith, 1829):
DNSM: 9872

SE 26030Ab:

Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 46375.
Neoromicia capensis (A. Smith, 1829):
TM: 46376.
Rhinolophus blasii Peters, 1867:
TM: 47083, 47084.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 46374.
Rhinolophus simulator K. Andersen, 1904:
TM: 47013, 47080

SE 26030Da:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 25838

SE 26030Bb:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 1636.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 1119.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 1117, 1118

SE 26030Db:

Neoromicia capensis (A. Smith, 1829):
TM: 45648, 45649

SE 26030Dd:

Neoromicia capensis (A. Smith, 1829):
TM: 45646, 45647

SE 27030Bb:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 2543

SE 26031Aa:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 6232.
Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 5785. - **TM:** 47722.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 8429, 8430, 8433, 8434, 8436, 8438.
Neoromicia capensis (A. Smith, 1829):
DNSM: 6231. - **TM:** 39549, 47725.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 8509. - **TM:** 47714, 47724.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 6228. - **TM:** 40729, 44874, 45534, 45546.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 45538, 47723

SE 26031Ac:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 25696, 25697.
Myotis tricolor (Temminck, 1832):
DNSM: 7188.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1989.0044. - **DNSM:** 7173

SE 26031Ca:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 44893.
Neoromicia capensis (A. Smith, 1829):
TM: 45707.

Neoromicia nana (Peters, 1852):
TM: 44896.
Pipistrellus hesperidus (Temminck, 1840):
TM: 45708.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 7189.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 7186

SE 26031Cc:

Neoromicia capensis (A. Smith, 1829):
TM: 45641, 45642, 45643, 45644, 45645, 45673, 45674, 45675, 45676, 45677

SE 26031Ab:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 45544, 45687.
Hipposideros caffer (Sundevall, 1846):
NMB: 11566, 11567, 11568, 11570, 11571.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 45684.
Neoromicia capensis (A. Smith, 1829):
NMB: 11557, 11558.
Neoromicia nana (Peters, 1852):
NMB: 11560, 11561, 11562, 11563, 11564, 11565, 11569.
Rhinolophus darlingi K. Andersen, 1905:
DNSM: 8039.
Scotophilus dinganii (A. Smith, 1833):
NMB: 11554, 11555, 11556, 11559

SE 26031Ad:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 5978, 5979. - **TM:** 45309.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 45269, 45270, 45704.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 7190.
Neoromicia nana (Peters, 1852):
DNSM: 5977

SE 26031Cb:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 8437. - **TM:** 45705.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 47708.
Miniopterus natalensis (A. Smith, 1833):
TM: 47713.
Neoromicia capensis (A. Smith, 1829):
TM: 47711, 47712.
Rhinolophus Lacépède, 1799:
DNSM: 14072.
Scotophilus dinganii (A. Smith, 1833):
TM: 45706

SE 26031Cd:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 45691.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 51103, 51104, 51105, 51106, 51107.
Hipposideros caffer (Sundevall, 1846):
DNSM: 7918, 7920.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 7917, 7921.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 7898, 7899

SE 26031Ba:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 45310.

Mops (Mops) condylurus (A. Smith, 1833):
MCZ: 37308, 37309. - **TM:** 8378, 8379, 8381, 8384, 8385, 8386, 8387, 8388, 8389.
Neoromicia capensis (A. Smith, 1829):
ROM: 68845.
Neoromicia nana (Peters, 1852):
ROM: 68793, 68794, 68795, 68796, 68797.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1975.515.
Rhinolophus darlingi K. Andersen, 1905:
ROM: 68844, 68846

SE 26031Bc:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 45636, 45637.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 45318

SE 26031Dc:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 45685

SE 26031Bb:

Hipposideros caffer (Sundevall, 1846):
TM: 47721.
Hypsugo anchietae (Seabra, 1900):
DNSM: 8508, 8512, 9859. - **TM:** 41718.
Kerivoula lanosa (A. Smith, 1847):
DNSM: 10142, 7428, 8428.
Neoromicia capensis (A. Smith, 1829):
DNSM: 8426.
Neoromicia nana (Peters, 1852):
DNSM: 5848, 5849, 5879, 5880.
Neoromicia zuluensis (Roberts, 1924):
DNSM: 8513. - **TM:** 47720.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 5818, 5819, 5820, 5822. - **TM:** 45300, 45301.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 9857.
Rhinolophus darlingi K. Andersen, 1905:
DNSM: 5821.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 8435, 9864

SE 26031Bd:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 45311.
Hipposideros caffer (Sundevall, 1846):
DNSM: 8431.
Hypsugo anchietae (Seabra, 1900):
TM: 47718.
Neoromicia capensis (A. Smith, 1829):
DNSM: 8511.
Neoromicia nana (Peters, 1852):
DNSM: 8425.
Neoromicia zuluensis (Roberts, 1924):
DNSM: 8506. - **TM:** 47719.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 8424.
Scotophilus viridis (Peters, 1852):
DNSM: 8432

SE 26031Db:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 4443, 45443.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 8515. - **TM:** 45554.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 8514. - **TM:** 45541

SE 26031Dd:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 44895.
Epomophorus crypturus Peters, 1852:
TM: 45553.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 34328

SE 26032Aa:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 5827, 5828, 5829, 5830, 5831, 5832, 5833, 5834, 5835, 5836, 5837, 5838, 5839, 5840, 5841, 5842, 5843, 5844, 7922, 8036. - **TM:** 44894.
Epomophorus crypturus Peters, 1852:
DNSM: 8035.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 52, 5847, 7171, 7901.
Hipposideros caffer (Sundevall, 1846):
BMNH: 1989.0039. - **DNSM:** 5823, 8507. - **TM:** 44898.
Hypsugo anchietae (Seabra, 1900):
DNSM: 8422, 8423.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 8028. - **TM:** 47746.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 44892.
Myotis bocagii (Peters, 1870):
DNSM: 9520.
Myotis tricolor (Temminck, 1832):
TM: 47736.
Neoromicia capensis (A. Smith, 1829):
DNSM: 8049.
Neoromicia nana (Peters, 1852):
DNSM: 8041, 8510.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 5816, 7185. - **TM:** 44890.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 5845, 5846, 9866. - **TM:** 44897, 47741.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 11509, 8427, 9855, 9856, 9858, 9861. - **TM:** 47737, 47738, 47739, 47740.
Rhinolophus blasii Peters, 1867:
DNSM: 5919.
Rhinolophus darlingi K. Andersen, 1905:
DNSM: 5826, 9862. - **TM:** 44891, 47742, 47744.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 5824.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 7900, 8033. - **TM:** 47709, 47710, 47743.
Scotophilus viridis (Peters, 1852):
TM: 47745.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
DNSM: 5817

SE 26032Ac:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 245174, 245175, 245176, 245177, 245178, 245179, 245180, 245181. - **NHMZ:** 62539.
Hipposideros caffer (Sundevall, 1846):
NHMZ: 63464.
Neoromicia nana (Peters, 1852):
NHMZ: 63177, 64007. - **ROM:** 68790, 68800, 68801

SE 26032Ab:

Chaerephon pumilus (Cretzschmar, 1826):
CZL: 3263002. - **USNM:** 365479.
Mops (Mops) condylurus (A. Smith, 1833):
CZL: 3263011.
Neoromicia nana (Peters, 1852):
USNM: 365399

SE 26032Cd:

Chaerephon nigeriae Thomas, 1913:
NM: 567.

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 13370, 13371, 13372, 13373, 13375, 13376, 13377, 13380, 13381, 13382, 13383, 13384, 13385. - **ROM:** 41715, 41716, 41717, 41742, 41743, 41761, 41762, 41763, 41764. - **TM:** 17038, 17039, 17040, 35230, 35240, 35241, 35242, 35243, 35244, 35245, 7139, 7140, 7141, 7142.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 41735. - **TM:** 25229, 35185, 35211, 35213, 35229.
Glauconycteris variegata (Tomes, 1861):
ROM: 41730.
Miniopterus natalensis (A. Smith, 1833):
ROM: 41731.
MOLOSSIDAE Gervais, 1856:
TM: 35201, 35220.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 13374, 13378, 13379. - **ROM:** 41738, 41739, 41740, 41741. - **TM:** 35191, 35192, 35193, 35194, 35195, 35196, 35197, 35198, 35199, 35200, 35202, 35203, 35204, 35205, 35206, 35212, 35221, 35222, 35223, 35224, 35225, 35226, 35227, 35228, 35239, 7143, 7144, 7145, 7146, 7147, 7148, 7149, 7150, 7151, 7152, 7153, 7154.
Neoromicia nana (Peters, 1852):
KM: 18933.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ROM: 41728. - **TM:** 17036, 17037.
Nycticeinops schlieffenii (Peters, 1859):
TM: 35208, 35210, 35231.
Pipistrellus hesperidus (Temminck, 1840):
TM: 35184, 35207, 35209, 35232.
Scotophilus dinganii (A. Smith, 1833):
ROM: 41710, 41711, 41713, 41732, 41733.
Scotophilus viridis (Peters, 1852):
TM: 35218, 35219, 35233, 35234, 35235, 35236, 35237, 35238

SE 26032Bb:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 65847, 65848, 65849, 65850, 65851, 65852, 65853, 65854, 65855, 65856, 65857, 65858, 65859, 65860, 65861, 65862, 65863, 65864, 65865. - **TM:** 12450, 12451, 12452, 12453, 12454, 12455, 12456, 12457, 12458, 12459, 12460, 12461, 12462. - **USNM:** 352199, 352200, 352201, 352202, 352203, 352204, 352205, 352206, 352207, 352208, 352209, 352210, 352211, 352212, 352213, 352214, 352215, 352216, 352217, 352218, 352219, 352220, 352221, 352222, 352223, 352224, 352225.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 43, 46. - **USNM:** 351977, 351978, 351979, 351980, 351981, 351982, 351983, 351984, 351985.
MOLOSSIDAE Gervais, 1856:
TM: 42640, 42641.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 12449.
Neoromicia nana (Peters, 1852):
KM: 23774

SE 26032Bd:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 47811.
Kerivoula argentata Tomes, 1861:
TM: 47810.
Scotophilus dinganii (A. Smith, 1833):
TM: 47809

SE 26032Dd:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 6815, 7038, 7060. - **TM:** 25980, 25981, 25982, 25983, 25984, 25985, 25986, 25987, 25989, 25990, 25991. - **USNM:** 351386, 351387, 351388, 351389, 351390, 351391, 351392, 351393, 351394, 351395, 351396, 351397, 351398, 351399, 351400, 351401, 351402, 351403, 351404, 351405, 351406, 351407, 351408, 351437, 351918, 351919, 351920, 351921, 351922, 351923, 351924, 351925, 351926, 351927, 351928. - **WAM:** M34153, M34154.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 40468.
Glauconycteris variegata (Tomes, 1861):
DNSM: 7037.
Kerivoula lanosa (A. Smith, 1847):
TM: 40465.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 33446, 40453, 40454. - **USNM:** 351384. - **WAM:** M34155, M34156, M34157, M34158, M34159, M34160, M34161.
Neoromicia nana (Peters, 1852):
TM: 40466.
Pipistrellus hesperidus (Temminck, 1840):
TM: 40455, 40456, 40457.
Scotophilus viridis (Peters, 1852):

WAM: M34162

SE 27032Bb:

Chaerephon pumilus (Cretzschmar, 1826):
USNM: 351385.
Mops (Mops) condylurus (A. Smith, 1833):
USNM: 351383.
Neoromicia nana (Peters, 1852):
USNM: 351378

SE 27016Dd:

Sauromys petrophilus (Roberts, 1917):
SMW: 10096, 10097, 10098. - **TM:** 32664, 32665, 32666, 32667, 32668.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 10100, 10101, 10102, 10135. - **TM:** 32669, 32670, 32671, 32672, 32673, 32674, 32675, 32676, 32677, 32678, 32679, 32680

SE 27017Ad:

Eptesicus hottentotus (A. Smith, 1833):
TM: 32695.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SMW: 10117. - **TM:** 32691, 32692

SE 27017Da:

Sauromys petrophilus (Roberts, 1917):
KM: 32657.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 32656

SE 27018Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BRTC: 20890.
Rhinolophus damarensis Roberts, 1946:
TM: 8288, 8289, 8290, 8291, 8292, 8293, 8294, 8295, 8296

SE 27022Bb:

Miniopterus natalensis (A. Smith, 1833):
MMK: MAM/2492. - **TM:** 41521, 41522, 41523, 41524, 41528, 41529, 41530, 41531.
Neoromicia capensis (A. Smith, 1829):
CM: 105699, 105700, 105701, 105702, 105703, 105704, 105705, 105706, 105707. - **TM:** 41517, 41518, 41519, 41520.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 41532, 41533, 41534, 41535

SE 27023Ac:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2757

SE 27023Ad:

Eptesicus hottentotus (A. Smith, 1833):
MMK: MAM/2497.
Miniopterus natalensis (A. Smith, 1833):
MMK: MAM/2368. - **TM:** 35703, 35755, 35756, 35757, 35758, 35759, 35760, 35761, 35762, 35763. - **USNM:** 381597, 381598, 381599, 381600, 381601, 381602, 381603, 381604, 381605, 381606, 381607, 381608, 381609, 381610, 381611, 381612, 381613, 381614, 381615, 381616, 381617, 381618, 381619.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1904.10.1.10. - **TM:** 35772, 35773, 35774, 35775, 35776, 35777, 35778, 35779, 35780, 35781, 35782, 35783, 35784, 35785, 35786, 35787, 35788, 35789, 35790, 35791, 35792, 35794, 35795, 35796, 35797, 35798, 35799, 35800, 35801, 35802, 35803, 35804, 35805, 35806, 35807, 35808, 35809, 35810, 35811, 35812, 35813, 44442, 44443, 44445, 44446, 44447, 44448, 44449, 44450, 44451, 44452, 44453, 44454, 44455, 44456, 44457, 44473, 44474, 44475, 44476, 44477.
Rhinolophus clivosus Cretzschmar, 1828:
BMNH: 1904.10.1.1. - **MMK:** MAM/2776. - **TM:** 35752, 35753, 35754. - **USNM:** 381538, 381539, 381540, 381541, 381542, 381543, 381544, 381545, 381546, 381547, 381548, 381549, 381550, 381551, 381552, 381553, 381554, 381555, 381556, 381557, 381558.
Rhinolophus denti Thomas, 1904:
BMNH: 1904.4.8.2

SE 27023Cb:

Miniopterus natalensis (A. Smith, 1833):
MMK: MAM/2367, MAM/2460.
Neoromicia capensis (A. Smith, 1829):
TM: 35705, 35728, 35729, 35730, 35731, 35732, 35733, 35734, 35735, 35736.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 35793.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 35704, 35706, 35707, 35708, 35709, 35710, 35711, 35712, 35713, 35714, 35715, 35716, 35717, 35718, 35719, 35720, 35721, 35722, 35723, 35724, 35725, 35737, 35738, 35739, 35740, 35741, 35742, 35743, 35744, 35745, 35746, 35747, 35751, 41730

SE 27023Dc:

Neoromicia capensis (A. Smith, 1829):
MMK: MAM/7064, MAM/7065, MAM/7066, MAM/7067.
Rhinolophus clivosus Cretzschmar, 1828:
MMK: MAM/2819.
Rhinolophus denti Thomas, 1904:
MMK: MAM/7068

SE 27023Bd:

Neoromicia capensis (A. Smith, 1829):
TM: 28213, 28262, 28263, 28264, 28265

SE 27024Ca:

Neoromicia capensis (A. Smith, 1829):
TM: 35818, 35819, 35820, 35821, 35822, 35830, 35831, 35832, 35833, 35834, 35835, 35836, 35837, 35839, 35843, 35844, 35845, 35846, 35851, 35857, 35858, 35859, 35860, 35861, 35862, 35863, 35864, 35865, 35866, 35867, 35868, 35869, 35870, 35871, 35872, 35873

SE 27024Da:

Eptesicus hottentotus (A. Smith, 1833):
KM: 26030, 26031, 26032, 26033, 26034. - **ZMA:** MAM.22663, MAM.22664, MAM.22665.
Miniopterus natalensis (A. Smith, 1833):
TM: 35880, 35881, 35882, 35883, 35885, 35886, 35887, 35888, 35889, 35890, 35891, 35892, 35893, 35894, 35895, 35896, 35897, 35898, 35899. - **ZMA:** MAM.22666, MAM.22667, MAM.22668, MAM.22669, MAM.22670, MAM.22671, MAM.22672, MAM.22673, MAM.22674.
Neoromicia capensis (A. Smith, 1829):
TM: 48032, 48033, 48042, 48043, 48044, 48045, 48046. - **ZMA:** MAM.22656, MAM.22657.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.22650.
Rhinolophus Lacépède, 1799:
ZMA: MAM.22651.
Rhinolophus damarensis Roberts, 1946:
TM: 35878, 35879, 36093, 36094, 36095, 36096.
Rhinolophus denti Thomas, 1904:
ZMA: MAM.22652

SE 27024Db:

Eptesicus hottentotus (A. Smith, 1833):
TM: 48038, 48039.
Neoromicia capensis (A. Smith, 1829):
ZMA: MAM.22228, MAM.22229, MAM.22230, MAM.22231, MAM.22232, MAM.22233, MAM.22653, MAM.22654, MAM.22655, MAM.22658, MAM.22659, MAM.22660, MAM.22661, MAM.22662.
Rhinolophus damarensis Roberts, 1946:
TM: 48040.
Tadarida Rafinesque, 1814:
ZMA: MAM.22675

SE 27024Dd:

Eidolon helvum (Kerr, 1792):
MMK: MAM/6818. - **ROM:** 78005

SE 27025Ca:

Neoromicia capensis (A. Smith, 1829):
TM: 20832, 20833, 20841, 20842, 20843, 20844, 20845, 20846, 20847, 20848.

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 20840

SE 27025Cc:

Epomophorus wahlbergi (Sundevall, 1846):
KM: 1602.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NMB: 1589

SE 27025Cb:

Neoromicia capensis (A. Smith, 1829):
NMB: 7802, 7803, 7804, 7805, 7806, 7807, 7808, 7809, 7810. - **TM:** 44202

SE 27025Da:

Eidolon helvum (Kerr, 1792):
TM: 39142, 39242.
Neoromicia capensis (A. Smith, 1829):
NMB: 11940.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 11939

SE 27025Dd:

Neoromicia capensis (A. Smith, 1829):
NMB: 12211

SE 27026Ad:

Neoromicia capensis (A. Smith, 1829):
TM: 45045

SE 27026Bd:

Neoromicia capensis (A. Smith, 1829):
SAMC: 390.
Scotophilus Leach, 1821:
SAMC: 388, 389

SE 27026Dd:

Neoromicia capensis (A. Smith, 1829):
NMB: 3264, 3265, 3266, 3267, 3268, 3269

SE 27027Ab:

Eidolon helvum (Kerr, 1792):
NMB: 3954

SE 27027Bc:

Neoromicia capensis (A. Smith, 1829):
NMB: 3381, 3382, 3383, 3392, 3393, 3394, 3395, 3413

SE 27027Dc:

Neoromicia capensis (A. Smith, 1829):
NMB: 3291, 3292

SE 27027Bb:

Neoromicia capensis (A. Smith, 1829):
NMB: 3813, 3814, 3815, 3816, 3817

SE 27027Dd:

Rhinolophus darlingi K. Andersen, 1905:
TM: 47079

SE 27028Cc:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 7787

SE 27028Dd:

Cistugo lesueuri Roberts, 1919:
NMB: 7394. - **TM:** 48190.
Eidolon helvum (Kerr, 1792):
TM: 13056.
Neoromicia capensis (A. Smith, 1829):
TM: 48187.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 7389, 7390, 7391, 7392, 7393

SE 27029Ca:

Neoromicia capensis (A. Smith, 1829):
NMB: 3148, 3149

SE 27029Cc:

Cistugo lesueuri Roberts, 1919:
NMB: 7700, 7703, 7705, 7706, 7708, 7710, 7711, 7712, 7713, 7714, 7715, 7731, 7732.
Miniopterus natalensis (A. Smith, 1833):
NMB: 7707.
Neoromicia capensis (A. Smith, 1829):
NMB: 7701, 7704, 7730.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 7702, 7719, 7720, 7721, 7723, 7724, 7725, 7726, 7727, 7728, 7729

SE 27029Ad:

Neoromicia capensis (A. Smith, 1829):
NMB: 3556, 3557

SE 27029Cd:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 7709, 7716, 7717, 7718, 7722

SE 27029Da:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 17371, 17375

SE 27029Dc:

Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 5447

SE 27029Bb:

Neoromicia somalica (Thomas, 1901):
LACM: 85680

SE 27029Dd:

Miniopterus fraterculus Thomas and Schwann, 1906:
USNM: 575289, 575290, 575291, 575292, 575293, 575294, 575295, 575296.
Neoromicia capensis (A. Smith, 1829):
DNSM: 12995, 12996, 13115.
Rhinolophus clivosus Cretzschmar, 1828:
USNM: 575217, 575218, 575219, 575220, 575221, 575222, 575223, 575224, 575225, 575226, 575227, 575228, 575229, 575230, 575231, 575232, 575233, 575234, 575235, 575236, 575237, 575238, 575239, 575240, 575241, 575242, 575243, 575244, 575245, 575246, 575247, 575248, 575249, 575250, 575251, 575252, 575253

SE 27030Ac:

Neoromicia capensis (A. Smith, 1829):
TM: 39852, 39853, 39865, 39866, 47105

SE 27030Ad:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 2896, 2897, 2898

SE 27030Bc:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 7494

SE 27030Dd:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 6994.
Neoromicia nana (Peters, 1852):
DNSM: 13011, 13012, 13013, 13014

SE 27031Ca:

Eptesicus hottentotus (A. Smith, 1833):
TM: 31756.
Hipposideros caffer (Sundevall, 1846):
DNSM: 5995, 5996, 5997.
Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 31810, 31811, 31812, 31813.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 5898.
Myotis tricolor (Temminck, 1832):
DNSM: 5895, 5896, 5897. - **TM:** 31814, 31815, 31816, 31817, 31818, 31819, 31820, 31821, 31822, 31823, 31824, 31825.
Neoromicia capensis (A. Smith, 1829):
DNSM: 5621, 5622, 5623, 5624, 5625, 5626, 5627, 5628, 5890, 5891, 5892, 5893, 5894, 5899, 5902, 5903. - **TM:** 31754, 31755, 31773, 31774, 31805.
Neoromicia nana (Peters, 1852):
DNSM: 5900, 5901. - **TM:** 31775, 31776, 31777, 31778, 31779.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 31757, 33447.
Rhinolophus blasii Peters, 1867:
TM: 31808, 31809.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 3271, 3272. - **TM:** 31828.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 6000, 6001. - **TM:** 6000.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 5999

SE 27031Ab:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 45688.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 45638, 45639

SE 27031Ad:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 5992, 5993, 5994

SE 27031Cb:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 5998.
Neoromicia capensis (A. Smith, 1829):
DNSM: 5368. - **TM:** 31728.
Neoromicia nana (Peters, 1852):
TM: 31665, 31666, 31667, 31668, 31669, 31670, 31671, 31672, 31673, 31674, 31675, 31676, 31677, 31678, 31679, 31680, 31681, 31682, 31683, 31684, 31685, 31717, 31718, 31719, 31720, 31721, 31722, 31723, 31724, 31725, 31726, 31727.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 37162.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 31729

SE 27031Cd:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 39131, 39132, 39133, 39829.

Hypsugo anchietae (Seabra, 1900):
TM: 40205, 40206.
Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 39850, 39851.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 39139, 39140.
Neoromicia nana (Peters, 1852):
TM: 39136, 39137, 39138, 39199, 39817, 39818, 39819, 39820, 39825, 39826, 39827, 39828.
Pipistrellus hesperidus (Temminck, 1840):
TM: 39134, 39135, 39840, 39854.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 37163, 39830, 39849.
Rhinolophus swinnyi Gough, 1908:
TM: 39848

SE 27031Ba:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 45776

SE 27031Bc:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 45689.
Epomophorus crypturus Peters, 1852:
TM: 17372.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 17373, 17374, 17376, 17377, 45640

SE 27031Dc:

Neoromicia nana (Peters, 1852):
TM: 10000, 10001

SE 27031Bb:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 45779.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 45777, 45780.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 45778.
Taphozous perforatus E. Geoffroy St.-Hilaire, 1818:
DNSM: 13366, 13367

SE 27031Bd:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 13368, 13369. - **TM:** 24974, 24975, 24976, 24977, 24978, 24979, 24980, 24982, 27981, 45690.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 195597, 195598, 195635.
Hipposideros caffer (Sundevall, 1846):
DNSM: 5097, 5098.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 7111.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 7107, 7108, 7109, 7110.
Neoromicia capensis (A. Smith, 1829):
TM: 24961.
Neoromicia nana (Peters, 1852):
DNSM: 5367.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 7126. - **FMNH:** 195607.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 6183.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 195618, 195619.
Scotophilus viridis (Peters, 1852):
FMNH: 195620

SE 27032Aa:

Hipposideros caffer (Sundevall, 1846):
TM: 7121.

Kerivoula lanosa (A. Smith, 1847):
TM: 7126, 7127, 7128.
Miniopterus natalensis (A. Smith, 1833):
TM: 7129, 7130, 7131, 7132, 7133, 7134, 7135, 7136, 7137, 7138.
Neoromicia capensis (A. Smith, 1829):
TM: 7123.
Neoromicia nana (Peters, 1852):
TM: 25917.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 7122

SE 27032Ac:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 5104, 5105, 5106, 5107, 7857, 7859. - **TM:** 38485, 43867.
Cloeotis percivali Thomas, 1901:
DNSM: 4570, 4571, 4594, 4595, 4596, 4598, 4599, 4600, 4702, 4703, 4805, 5100, 5101, 6196, 6197, 6198, 6199, 6200, 6201, 7115.
Epomophorus wahlbergi (Sundevall, 1846):
ROM: 41708.
Hipposideros caffer (Sundevall, 1846):
DNSM: 6184, 6185, 6186, 6187, 7113, 7114, 7858, 9182.
Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 9183, 9184.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 6202, 6203, 6204, 6205, 6206, 6207, 6208, 6209, 6210, 6211, 6963, 7112, 9185, 9186, 9187, 9188, 9189, 9199, 9200, 9201, 9202, 9203, 9204, 9205, 9206, 9207, 9208, 9209, 9210, 9211, 9212, 9213, 9214, 9215, 9216, 9217, 9218, 9219, 9220, 9221, 9222, 9223, 9224, 9225, 9226, 9227, 9228, 9229, 9230, 9231, 9232, 9233, 9234, 9235, 9236, 9237, 9238, 9239, 9240, 9241, 9242, 9243, 9244, 9250, 9302.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 6173, 7856.
Neoromicia nana (Peters, 1852):
DNSM: 6190, 6191, 6192, 6193, 6194.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 4597, 7116, 7117

SE 27032Ca:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 10267, 10291, 10669, 10678, 7373, 7374, 9523, 9524, 9525, 9526, 9527, 9528. - **TM:** 5571, 5572, 5573. - **USNM:** 351409, 351410, 351411, 351412, 351413, 351414, 351415, 351416, 351417, 351418, 351419, 351420, 351421, 351422, 351423, 351424, 351425, 351426, 351427, 351428, 351429, 351430, 351431, 351432, 351433.
Cloeotis percivali Thomas, 1901:
DNSM: 10769, 1616, 4071.
Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1973.489. - **DNSM:** 8740.
Hipposideros caffer (Sundevall, 1846):
DNSM: 10099, 10159, 10655, 10672, 10707, 11003, 11007, 11008, 22, 24, 26, 27, 28, 4575, 625, 84, 8746, 8747, 8748, 8749, 8750, 8751, 8752, 8755, 9515, 9531. - **ROM:** 41722, 41723, 41724, 41725, 41726.
Hypsugo anchietae (Seabra, 1900):
DNSM: 10161, 10168, 10689, 10695, 10706.
Kerivoula argentata Tomes, 1861:
DNSM: 10287, 10771.
Kerivoula lanosa (A. Smith, 1847):
DNSM: 11006.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 9533. - **ROM:** 41729.
Mops (Mops) condylurus (A. Smith, 1833):
FMNH: 108232.
Myotis bocagii (Peters, 1870):
DNSM: 7528.
Neoromicia capensis (A. Smith, 1829):
DNSM: 11012, 11013, 11014, 11016, 5380, 5400, 9513, 9517. - **TM:** 35246, 35247, 35249.
Neoromicia nana (Peters, 1852):
DNSM: 10162, 5371.
Neoromicia zuluensis (Roberts, 1924):
DNSM: 10774, 11009, 11170. - **TM:** 35248.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 10105, 10110, 10153, 4026, 4742, 7522, 8741, 8742, 8743, 8744, 8745, 9139, 9166, 9512, 9532. - **ROM:** 41727. - **TM:** 35334, 35335, 35336, 35337.
Nycticeinops schlieffenii (Peters, 1859):
DNSM: 5401, 8738, 9180, 9518, 9519.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 10152, 10154, 10160, 11005, 11010, 11011, 11017.

Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 2134.
Rhinolophus darlingi K. Andersen, 1905:
DNSM: 4573, 4574, 7375. - **ROM:** 41718, 41719, 41720. - **TM:** 37156.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 10773.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 10679. - **ROM:** 41712. - **TM:** 35327, 5567, 5568, 5569, 5570. - **USNM:** 351382.
Scotophilus viridis (Peters, 1852):
DNSM: 10668, 7513, 8739, 9529, 9530. - **TM:** 35250, 35251, 35252, 35253, 35254, 35255, 35256, 35257, 35258, 35259, 35260.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
DNSM: 10999, 11015

SE 27032Cc:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 11669.
Hipposideros caffer (Sundevall, 1846):
DNSM: 4572, 4579, 4580, 4581, 4584, 4586, 4587, 4588, 4592, 4593. - **TM:** 35300, 35301, 35302, 35303, 35304, 35305, 35306, 35307, 35308, 35343, 35344, 35345, 35346, 35347, 35348, 35349, 35350.
Kerivoula lanosa (A. Smith, 1847):
NM: 1033.
Miniopterus natalensis (A. Smith, 1833):
TM: 35273.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 35261, 35262, 35263, 35264, 35265, 35271, 35272.
Neoromicia capensis (A. Smith, 1829):
DNSM: 10696. - **TM:** 35270, 35309, 35310, 35311, 35312, 35313, 35314, 35322, 35323, 35324, 35325, 35326.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 10714, 4576, 4577, 4578, 4582, 4583, 4585, 4589, 4590, 4591, 9514. - **TM:** 35295, 35296, 35297, 35298, 35299, 35333, 35338, 35339, 35340, 35341, 35342.
Nycticeinops schlieffenii (Peters, 1859):
TM: 35321.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 10697.
Scotophilus dinganii (A. Smith, 1833):
TM: 35275, 35315, 35316, 35317, 35328.
Scotophilus viridis (Peters, 1852):
TM: 35274, 35276, 35277, 35318, 35319, 35320, 35329, 35330, 35331, 35332.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 351436.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 38107

SE 27032Ab:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 4800, 4801, 4802, 4803, 5904, 8497. - **MNHN:** ZM-MO-1996-554, ZM-MO-1996-555, ZM-MO-1996-556. - **TM:** 45327. - **USNM:** 351434, 351435.
CHIROPTERA Blumenbach, 1779:
TM: TEMBE 2b.
Hypsugo anchietae (Seabra, 1900):
DNSM: 8500.
Miniopterus inflatus Thomas, 1903:
DNSM: 5726.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 5727, 5728, 5729, 5730.
MOLOSSIDAE Gervais, 1856:
TM: TEMBE 2.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 6153, 6154, 6155, 6156, 6157, 6158, 6159, 6160, 6161, 6162, 6163, 6164, 6165, 6166, 6167, 6168, 6169, 6170, 6171, 6172, 6174, 6175, 6176, 7251, 7252, 7253, 7254, 7255, 7256, 7257, 7258, 7259, 7260, 7261, 7262, 7263, 7423, 7424, 8502.
Neoromicia nana (Peters, 1852):
DNSM: 8498, 8499.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 8501. - **MNHN:** ZM-MO-1996-557, ZM-MO-1996-558, ZM-MO-1996-559.
Scotophilus viridis (Peters, 1852):
DNSM: 8488. - **TM:** 45323, TEMBE 2a. - **USNM:** 351379, 351380, 351381

SE 27032Ad:

Glauconycteris variegata (Tomes, 1861):
TM: 6075.

Neoromicia capensis (A. Smith, 1829):
TM: 6076

SE 27032Cb:

Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 9551, 9552, 9553.
Myotis bocagii (Peters, 1870):
DNSM: 7529.
Neoromicia capensis (A. Smith, 1829):
DNSM: 8788.
Neoromicia nana (Peters, 1852):
DNSM: 8783, 8784. - **TM:** 33370.
Scotophilus viridis (Peters, 1852):
DNSM: 8786

SE 27032Cd:

Chaerephon ansorgei (Thomas, 1913):
TM: 35351.
Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 11843, 11845, 12852, 13149, 13150, 13151, 13152, 13153, 2267, 2268, 8789, 8790, 8791.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 2253, 2254, 2255, 2259, 2270, 8793.
Hipposideros caffer (Sundevall, 1846):
DNSM: 10164, 10165, 10167, 10170, 10177, 10211, 12564, 12565, 13157, 13158, 13159, 13160, 8792, 8796.
Hypsugo anchietae (Seabra, 1900):
DNSM: 10163, 2269, 6885, 8787.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 10169, 11643.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 13167, 6332.
Neoromicia capensis (A. Smith, 1829):
DNSM: 13156.
Neoromicia nana (Peters, 1852):
DNSM: 10156, 10166, 13162, 13163, 8785, 8795. - **TM:** 35279, 35280, 35281, 35282, 35283, 35284, 35285, 35286, 35287, 35288, 35289, 35290, 35291, 35292, 35293, 35294.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 13148. - **TM:** 37873.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 8782.
Rhinolophus darlingi K. Andersen, 1905:
DNSM: 13154, 13155, 6331.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 6330.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 10151, 2266, 6889. - **TM:** 35352.
Scotophilus viridis (Peters, 1852):
DNSM: 10155, 10157, 10176, 13164, 13165, 13166, 8794. - **FMNH:** 209129.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 13161

SE 27032Bc:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 33368, 33369.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 25752, 25753.
Kerivoula argentata Tomes, 1861:
KM: 23802.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 25718, 25719, 25720, 25721, 25722, 25723, 25724, 25725, 25726, 25727, 25728, 25729, 25730, 25731, 25732, 25733, 25734, 25735, 25736, 25737, 25738, 25739, 45231, 45232, 45233, 45234, 45235, 45236.
Neoromicia nana (Peters, 1852):
TM: 25979, 25988.
Nycteris hispida (Schreber, 1774):
KM: 23584

SE 27032Da:

Pipistrellus hesperidus (Temminck, 1840):
DNSM: 8013.
Scotophilus viridis (Peters, 1852):
KM: 25972

SE 27032Bb:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 48619, 48620, 48621, 48622, 48623.
Epomophorus wahlbergi (Sundevall, 1846):
TM: 48609, 48610.
Glauconycteris variegata (Tomes, 1861):
TM: 48611, 48630, 48641.
Kerivoula argentata Tomes, 1861:
TM: 48628.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 48612, 48613, 48627, 48635, 48636, 48637.
Pipistrellus hesperidus (Temminck, 1840):
TM: 48624, 48625, 48626, 48642, 48643, 48644.
Scotophilus dinganii (A. Smith, 1833):
TM: 48614, 48615, 48616, 48617, 48618, 48629, 48631, 48632, 48633, 48638, 48639, 48640

SE 28016Cb:

Neoromicia capensis (A. Smith, 1829):
SMW: 10078. - **TM:** 32657, 32658, 32659, 32682, 32683, 32684, 32685, 32686, 32687.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SMW: 10076. - **TM:** 32648

SE 28016Bd:

Rhinolophus capensis Lichtenstein, 1823:
KM: 28199.
Rhinolophus damarensis Roberts, 1946:
KM: 28202

SE 28017Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 42496, 42497

SE 28017Ba:

Sauromys petrophilus (Roberts, 1917):
BRTC: 56817

SE 28018Cc:

Rhinolophus damarensis Roberts, 1946:
USNM: 479222, 479223, 479224, 479225, 479226, 479227, 479228, 479229, 479230, 479231, 479232, 479233.
Sauromys petrophilus (Roberts, 1917):
MCZ: 39600

SE 28018Cd:

Cistugo seabrae Thomas, 1912:
KM: 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889. - **MCZ:** 39632.
Eptesicus hottentotus (A. Smith, 1833):
KM: 1986, 1987, 1988, 1989.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 1715, 1716, 1717, 1718. - **TM:** 8304.
Rhinolophus damarensis Roberts, 1946:
USNM: 479221.
Sauromys petrophilus (Roberts, 1917):
KM: 2432, 2433, 2434, 2435

SE 28019Cb:

Cistugo seabrae Thomas, 1912:
KM: MYO-049J, MYO-050J, MYO-051J

SE 28019Da:

Sauromys petrophilus (Roberts, 1917):
USNM: 451063, 451064, 451065

SE 28019Dc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2767

SE 28019Bb:

Eidolon helvum (Kerr, 1792):
SMW: 3505

SE 28020Ac:

Sauromys petrophilus (Roberts, 1917):
MMK: MAM/2235, MAM/2236, MAM/2237, MAM/2238

SE 28020Ad:

Rhinolophus damarensis Roberts, 1946:
MMK: MAM/2810.
Sauromys petrophilus (Roberts, 1917):
MMK: MAM/2226, MAM/2227, MAM/2228, MAM/2229, MAM/2230, MAM/2231, MAM/2232, MAM/2233, MAM/2234

SE 28020Cb:

Cistugo seabrae Thomas, 1912:
MMK: MAM/7051. - **TM:** 47581, 47582, 47584.
Neoromicia capensis (A. Smith, 1829):
MMK: MAM/7053. - **TM:** 47580, 47583, 47585.
Pipistrellus rueppellii (Fischer, 1829):
MMK: MAM/7047.
Rhinolophus damarensis Roberts, 1946:
TM: 16977, 16978.
Sauromys petrophilus (Roberts, 1917):
TM: 16979, 27465.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 27464, 47574, 47575, 47576, 47577, 47578, 47579

SE 28020Bc:

Neoromicia capensis (A. Smith, 1829):
TM: 32542, 32545.
Sauromys petrophilus (Roberts, 1917):
TM: 32487, 32488, 32489, 32490, 32491, 32492, 32493, 32494, 32495, 32496, 32497, 32520, 32521, 32522, 32523, 32524, 32525, 325254.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 32541

SE 28021Ac:

Neoromicia capensis (A. Smith, 1829):
KM: 2074. - **MCZ:** 21700. - **SAMC:** 17074

SE 28021Ca:

Neoromicia capensis (A. Smith, 1829):
USNM: 380568.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1923.5.9.3, 1923.8.8.2, 1923.8.8.3, 1923.8.8.4. - **KM:** 1714.
Sauromys petrophilus (Roberts, 1917):
USNM: 380569

SE 28022Aa:

Neoromicia capensis (A. Smith, 1829):
MMK: MAM/2487

SE 28022Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/1425

SE 28023Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2735

SE 28023Ac:

Eidolon helvum (Kerr, 1792):
TM: 47601.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 12401.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2717.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 12397, 12398, 12400, 12403, 12404. - **MMK:** MAM/2821. - **TM:** 36091, 36092.
Rhinolophus damarensis Roberts, 1946:
MMK: MAM/1922, MAM/6955.
Rhinolophus denti Thomas, 1904:
DNSM: 12406. - **TM:** 36080, 36081, 36082, 36083, 36084, 36085, 36086, 36087, 36088, 36089, 36090

SE 28023Ab:

Eptesicus hottentotus (A. Smith, 1833):
MMK: MAM/HW-1315.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2732.
Rhinolophus clivosus Cretzschmar, 1828:
MMK: MAM/2784, MAM/2801.
Rhinolophus damarensis Roberts, 1946:
MMK: MAM/2880

SE 28023Cb:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 10137, 10140. - **MMK:** MAM/2434. - **NMB:** 11068, 11069, 11073, 11074, 11076, 7505, 7506, 7507, 7510, 7511, 7512, 7513, 7514, 7515, 7516, 7520, 7521, 7522, 7523, 7533, 7534, 7536, 7537, 7538, 7539, 7540, 7541, 7542, 7543, 7544, 7545, 7546, 7547, 7548, 7549, 7550, 7552, 7553, 7554, 7555, 7556, 7557, 7558, 7559, 7733, 7734, 7735, 7736, 7737, 7738, 7739, 7740, 7741, 7742, 7743, 7744, 7745, 7746. - **TM:** 40671, 40672, 40673, 40674, 40675, 40676, 40677, 40678, 40679, 40680, 40681.
Neoromicia capensis (A. Smith, 1829):
DNSM: 10133. - **NMB:** 7508.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2752, MAM/2755.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 10139, 10141. - **MMK:** MAM/2777, MAM/2790. - **NMB:** 11072, 11075, 7502, 7503, 7524, 7525, 7531, 7532, 7535, 7551. - **TM:** 36059, 36060, 36061, 36062, 36064, 36065, 36066, 36067, 36068, 36069, 36070, 36071, 36073, 36074, 40664, 40665, 40666, 40667, 40668, 40669, 40670.
Rhinolophus damarensis Roberts, 1946:
DNSM: 10138, 10144. - **MMK:** MAM/1434, MAM/2900, MAM/2926. - **NMB:** 7526. - **TM:** 35987, 35988, 35989, 35991, 35992, 36058, 36063.
Rhinolophus denti Thomas, 1904:
DNSM: 10132, 10134. - **MMK:** MAM/2947. - **NMB:** 11070, 11071, 7517, 7518, 7519, 7527, 7528, 7529, 7530, 7747, 7748, 7749, 7750. - **TM:** 35960, 35961, 35962, 35963, 35964, 35965, 35966, 35967, 35968, 35969, 35970, 35971, 35990, 35993, 35994, 35995, 35996, 35997, 35998, 35999, 36000, 36001, 36002, 36003, 36004, 36005, 36006, 36007, 36008, 36009, 36010, 36011, 36012, 36013, 36014, 36015, 36016, 36017, 36018, 36019, 36020, 36021, 36022, 36023, 36024, 36025, 36026, 36027, 36028, 36029, 36030, 36031, 36032, 36033, 36034, 36035, 36036, 36037, 36038, 36039, 36040, 36041, 36042, 36043, 36044, 36045, 36046, 36047, 36048, 36049, 36050, 36051, 36052, 36053, 36054, 36055, 36056, 36057, 36075, 36076, 36077, 36078, 36079, 40649, 40650, 40651, 40652, 40653, 40654, 40655, 40656, 40657, 40658, 40659, 40660, 40661, 40662, 40663.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 7509

SE 28023Ba:

Miniopterus natalensis (A. Smith, 1833):
MMK: MAM/2455.
Rhinolophus clivosus Cretzschmar, 1828:
MMK: MAM/2805.
Rhinolophus damarensis Roberts, 1946:
MMK: MAM/2912.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
MMK: MAM/2323, MAM/2327

SE 28023Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/1005

SE 28024Ab:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2730.
Rhinolophus clivosus Cretzschmar, 1828:
MMK: MAM/2786. - **TM:** 35986.
Rhinolophus denti Thomas, 1904:
TM: 35974, 35975, 35976, 35977, 35978, 35979, 35980, 35981, 35982, 35983, 35984, 35985

SE 28024Da:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
SAMC: 9037

SE 28024Dd:

Neoromicia capensis (A. Smith, 1829):
DNSM: 3932.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/996

SE 28025Aa:

Neoromicia capensis (A. Smith, 1829):
NMB: 3777, 3780, 3783.
Pipistrellus Kaup, 1829:
NMB: 7852.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 7879

SE 28025Cb:

Neoromicia capensis (A. Smith, 1829):
NMB: 3187.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 6322

SE 28025Bd:

Neoromicia capensis (A. Smith, 1829):
NMB: 3018, 3019, 3020, 3021, 3022.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 3023

SE 28026Cc:

Neoromicia capensis (A. Smith, 1829):
NMB: 4292, 7751, 7752, 7762, 7763, 7764, 7765, 7766, 7767, 7768, 7769, 7770, 7771, 7772, 7773, 7774, 7775, 7776, 7777

SE 28026Cb:

Neoromicia capensis (A. Smith, 1829):
TM: 17041, 17042, 17043, 17044, 17045, 17046.
Scotophilus dinganii (A. Smith, 1833):
ZMA: MAM.08725

SE 28026Cd:

Neoromicia capensis (A. Smith, 1829):
USNM: 344288, 344289, 344290, 344291, 344292, 344293, 344294, 344295, 344296, 344297, 344298, 344299, 344300, 344301, 344302, 344303, 344304, 344305, 344306, 344307, 344308, 344309, 344310, 344311, 344312, 344313, 354441, 354442, 354443, 354444, 354445, 354446, 354447, 354449, 354450

SE 28027Aa:

Neoromicia capensis (A. Smith, 1829):
NMB: 2934, 2935, 2936, 2937, 2938

SE 28027Ac:

Neoromicia capensis (A. Smith, 1829):
NMB: 1798, 2489, 2490, 2491

SE 28027Cc:

Neoromicia capensis (A. Smith, 1829):
HZM: 1.711, 2.712. - **NMB:** 10563, 10564, 10565.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 10566, 10573, 10574, 10638

SE 28027Ab:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 1799

SE 28027Cb:

Eidolon helvum (Kerr, 1792):
NMB: 1264

SE 28027Cd:

Myotis tricolor (Temminck, 1832):
NMB: 5529.
Neoromicia capensis (A. Smith, 1829):
NMB: 5898, 5899, 5901.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 5900, 5902, 5903, 5904, 5905, 5906, 5907, 5908, 5909.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 7565, 7566, 7567, 7568, 7569, 7570, 7571, 7572, 7573, 7574, 7575, 7576

SE 28027Bc:

Neoromicia capensis (A. Smith, 1829):
NMB: 3137, 3138, 3139, 3140

SE 28027Db:

Rhinolophus clivosus Cretzschmar, 1828:
NMB: 6333, 6334, 6335, 6336, 6337, 6338, 6339, 6340, 6341, 7386, 7387, 7388

SE 28027Dd:

Neoromicia capensis (A. Smith, 1829):
NMB: 6536, 6537.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 4129. - **TM:** 41579, 41580, 41581, 41582, 41583, 41584, 41585, 41586, 41587, 41588, 41589

SE 28028Aa:

Neoromicia capensis (A. Smith, 1829):
NMB: 7849, 7850, 7851, 7853, 7854, 7855, 7856, 7857, 7858, 7859, 7872, 7873, 7874, 7875, 7876, 7877, 7878

SE 28028Ab:

Neoromicia capensis (A. Smith, 1829):
BMNH: 1902.4.3.1

SE 28028Ad:

Cistugo lesueuri Roberts, 1919:
DNSM: 88.
Neoromicia capensis (A. Smith, 1829):
DNSM: 5642, 89.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 6347

SE 28028Cb:

Laephotis wintoni Thomas, 1901:
NMB: 6378, 6379.

Neoromicia capensis (A. Smith, 1829):
NMB: 4162, 4163, 7660.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 7659. - **TM:** 48192.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 4164

SE 28028Cd:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 8682, 8683

SE 28028Ba:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 2984, 2985, 2986

SE 28028Bc:

Cistugo lesueuri Roberts, 1919:
NMB: 7902

SE 28028Da:

Myotis tricolor (Temminck, 1832):
NMB: 7891, 7896, 7897.
Neoromicia capensis (A. Smith, 1829):
NMB: 9231.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 7905, 7906, 7907, 7908, 7909, 7910, 7911

SE 28028Dc:

Cistugo lesueuri Roberts, 1919:
DNSM: 14074.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 8418

SE 28028Bb:

Cistugo lesueuri Roberts, 1919:
NMB: 7847.
Miniopterus natalensis (A. Smith, 1833):
NMB: 7888, 7901.
Myotis tricolor (Temminck, 1832):
NMB: 7841, 7848, 7881, 7882, 7883.
Neoromicia capensis (A. Smith, 1829):
NMB: 7842, 7843, 7844, 7845, 7846, 7889.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 7887, 7890, 7892, 7893, 7894, 7895, 7898, 7899, 7900.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 7903, 7904

SE 28028Bd:

Neoromicia capensis (A. Smith, 1829):
NMB: 1533, 3367.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 9280

SE 28028Db:

Neoromicia capensis (A. Smith, 1829):
DNSM: 2389, 2417, 2418.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
DNSM: 2478

SE 28029Ac:

Eptesicus hottentotus (A. Smith, 1833):
NMB: 7840.
Neoromicia capensis (A. Smith, 1829):
TM: 12858, 12859, 12860, 49071, 49112

SE 28029Ca:

Pipistrellus hesperidus (Temminck, 1840):
TM: 38493

SE 28029Ad:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 30131, 30145, 30153.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 7240

SE 28029Cb:

Neoromicia capensis (A. Smith, 1829):
DNSM: 1107, 5115, 5116. - **TM:** 40728.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 1052

SE 28029Da:

Neoromicia capensis (A. Smith, 1829):
TM: 40068.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 1104.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 1050, 1051.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 6921, 6922, 6923, 6924

SE 28029Dd:

Neoromicia capensis (A. Smith, 1829):
DNSM: 2319. - **TM:** 38388, 38491.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 2367

SE 29029Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 23619.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 19, 20. - **USNM:** 141533, 141534, 141535

SE 28030Aa:

Neoromicia capensis (A. Smith, 1829):
DNSM: 5648

SE 28030Ac:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 47655

SE 28030Cc:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 4920

SE 28030Ab:

Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 6116

SE 28030Ba:

Neoromicia capensis (A. Smith, 1829):
DNSM: 90

SE 28030Da:

Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 36126, 36127, 36128, 36129, 36130, 36131, 36132, 36133, 36134.

Miniopterus natalensis (A. Smith, 1833):
TM: 36309, 36310, 36311, 36312, 36313, 36314, 36315, 36316, 36317, 36318, 36319, 36320, 36321, 36322, 36323, 36324, 36325, 36326, 36327, 36329, 36330, 36331, 36332, 36333, 36334, 36335, 36336, 36337, 36338, 36339, 36340, 36341, 36342, 36343, 36344, 36345, 36346, 36347, 36348, 36349, 36350, 36351, 36352, 36353.
Rhinolophus blasii Peters, 1867:
TM: 30121, 30149, 30151, 30152, 36152, 36153, 36154, 36155, 36156, 36157.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 36135, 36136, 36137, 36138, 36139, 36140, 36141, 36142, 36143, 36144, 36145, 36146, 36147, 36148, 36149, 36150, 36151

SE 29030Ba:

Epomophorus wahlbergi (Sundevall, 1846):
NRM: A59 1042, A60 2040

SE 28030Db:

Hipposideros caffer (Sundevall, 1846):
SAMC: 13544a.
Neoromicia capensis (A. Smith, 1829):
SAMC: 135458.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SAMC: 135438

SE 28031Ac:

Hipposideros caffer (Sundevall, 1846):
KM: 23715. - **TM:** 36358, 36359, 36368, 36369, 36370, 36371, 36372, 36373, 36374, 36375, 36376, 36377, 36378, 36379, 36380, 36381, 36382, 36383, 36384, 36385, 36386, 36387, 36411, 36412, 36413.
Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 36410.
Miniopterus natalensis (A. Smith, 1833):
TM: 30133, 30140, 30142, 30143, 36406, 36407, 36408, 36409.
Myotis tricolor (Temminck, 1832):
TM: 33197, 33198, 33199, 33200, 33201, 33202, 33465, 36360, 36361, 36362, 36363, 36364, 36365, 36366, 36367, 36418, 36419, 36420, 36421, 36422, 36423.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 30125, 30144, 36388, 36389, 36390, 36391, 36392, 36393, 36394, 36395, 36396, 36397, 36398.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 23624. - **TM:** 36354, 36357, 36399, 36400, 36401, 36402, 36403, 36404, 36405, 36414, 36415, 36416, 36417

SE 28031Ca:

Hipposideros caffer (Sundevall, 1846):
DNSM: 14057, 14058, 14059, 14060, 14155, 14156, 14157, 14158, 4561, 4704, 4705, 4706, 4707, 4708, 4709, 5599, 5600, 5601, 5602, 5603.
Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 14159, 14160, 14161, 14162, 5108, 7841. - **KM:** 23781.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 5593, 5594, 5595, 5596, 5597, 5598.
Myotis tricolor (Temminck, 1832):
DNSM: 14163, 14164, 14165, 14166.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 14061, 14062, 14063, 14064, 5589, 5590, 5591, 5592, 8351, 8352.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 7558, 7559, 7839, 7840.
Rhinolophus Lacépède, 1799:
DNSM: 14054, 14055.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 14056. - **KM:** 23625.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 14153, 14154, 8353. - **KM:** 23676

SE 28031Cc:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 8370.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1904.5.1.16, 1904.5.1.17, 1904.5.1.18, 1904.5.1.19, 1904.5.1.20, 1904.5.1.21, 1904.5.1.22, 1904.5.1.23.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 4875, 4876. - **TM:** 1019

SE 28031Cb:

Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 8380, 8381, 8382, 8383, 8384.
Rhinolophus clivosus Cretzschmar, 1828:
BMNH: 1904.5.1.8. - **DNSM:** 4782, 8376, 8377, 8378, 8379.
Rhinolophus darlingi K. Andersen, 1905:
DNSM: 8368

SE 28031Cd:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 4492.
Epomophorus wahlbergi (Sundevall, 1846):
KU: 135856. - **TM:** 7447, 7448.
Hipposideros caffer (Sundevall, 1846):
DNSM: 4778, 5073.
Myotis tricolor (Temminck, 1832):
DNSM: 4873, 5339.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1904.8.31.3. - **DNSM:** 5355. - **TM:** 5993.
Neoromicia nana (Peters, 1852):
DNSM: 4551, 4552, 4553, 4554, 4555, 45S1.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 7377.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 5352, 5356, 5360, 5363, 5372, 5374, 5386, 5393, 5397, 5406.
Rhinolophus swinnyi Gough, 1908:
DNSM: 14291, 14292.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 4273, 5075, 5338, 7079. - **TM:** 7379.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 7078. - **TM:** 7384, 7385, 7451

SE 28031Da:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 3027

SE 28031Dc:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 5343.
Eidolon helvum (Kerr, 1792):
DNSM: 7356.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 48.
Neoromicia nana (Peters, 1852):
DNSM: 103.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 114.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 5872.
Scotophilus dinganii (A. Smith, 1833):
BMNH: 1905.3.7.3

SE 28031Bb:

Chaerephon pumilus (Cretzschmar, 1826):
KM: 28122. - **TM:** 40718.
Glauconycteris variegata (Tomes, 1861):
KM: 25971.
Hipposideros caffer (Sundevall, 1846):
KM: 23716, 23717.
Mops (Mops) condylurus (A. Smith, 1833):
KM: 28119.
Nycteris hispida (Schreber, 1774):
KM: 25969.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 40722.
Rhinolophus simulator K. Andersen, 1904:
KM: 23714.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KM: 23583.

Scotophilus viridis (Peters, 1852):
KM: 21098

SE 28031Bd:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 3270. - **ROM:** 45571, 45573, 45574, 45763, 76108.
Hipposideros caffer (Sundevall, 1846):
DNSM: 8054. - **TM:** 3019, 3020, 3021.
Kerivoula argentata Tomes, 1861:
TM: 3025, 3786, 42698, 7124, 7125.
Miniopterus natalensis (A. Smith, 1833):
TM: 3017, 3018.
Mops (Mops) condylurus (A. Smith, 1833):
TM: 40721.
Neoromicia capensis (A. Smith, 1829):
TM: 3022, 38690.
Neoromicia zuluensis (Roberts, 1924):
TM: 3024

SE 28031Dd:

Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 119, 41, 50, 51, 53, 57.
Glauconycteris variegata (Tomes, 1861):
KU: 135870.
Miniopterus fraterculus Thomas and Schwann, 1906:
KU: 135872, 135873.
Neoromicia nana (Peters, 1852):
DNSM: 104, 117, 118, 6378, 92, 93, 94, 95. - **KU:** 135024.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 3975, 3976.
Pipistrellus hesperidus (Temminck, 1840):
TM: 30126.
Pipistrellus hesperidus broomi Roberts, 1948:
KU: 135862.
Rhinolophus simulator K. Andersen, 1904:
KU: 135026.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
DNSM: 5084, 5085.
Scotophilus dinganii (A. Smith, 1833):
KU: 135868

SE 28032Aa:

Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 3278, 8052. - **TM:** 40339.
Hipposideros caffer (Sundevall, 1846):
DNSM: 5612, 5613.
Neoromicia capensis (A. Smith, 1829):
DNSM: 8055. - **TM:** 44392, 44395.
Neoromicia nana (Peters, 1852):
NM: 1408.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 3277. - **ZFMK:** 1965.0097, 1966.0101, 1966.0102.
Pipistrellus hesperidus (Temminck, 1840):
TM: 44396, 44398, 44399.
Rhinolophus darlingi K. Andersen, 1905:
DNSM: 3273, 3274.
Rhinolophus swinnyi Gough, 1908:
DNSM: 3275. - **TM:** 44397.
Scotophilus dinganii (A. Smith, 1833):
TM: 40340.
Scotophilus viridis (Peters, 1852):
DNSM: 3276, 8053.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 3269

SE 28032Ac:

Hipposideros caffer (Sundevall, 1846):
USNM: 199516.
Neoromicia Roberts, 1926:
ROM: 91219.

Neoromicia nana (Peters, 1852):
ROM: 45715, 45716, 45717, 45718, 78327.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 34329

SE 28032Ca:

Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 2501, 2502, 2504

SE 28032Cc:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 8369.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 5981.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 8373, 8374, 8375

SE 28032Ab:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 11430, 4433, 4434, 4436, 4463, 4464, 4465, 4466, 4467, 4468, 4469, 6283, 6284, 6285, 6286, 6287, 6298, 6299, 6300, 6301, 6302, 6305, 6306, 6307, 6308, 6309, 6310, 6311, 6312, 6313, 6314, 6851, 6852, 6853, 6855, 6858, 6859, 6860, 7367, 7368, 7369, 7370, 7371, 7372, 7381, 7382, 7384, 7525, 7526. - **HNHM:** 2001.6.10, 2001.6.11, 2001.6.12, 2001.6.8, 2001.6.9. - **KU:** 135016, 135886. - **MNHN:** ZM-2012-16. - **TM:** 24472, 42503, 42508, 42604, 42605, 42606, 42607, 42608, 42610, 42611, 42612, 42613.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 4416, 4419.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 3999, 4432, 6289, 6291, 6293, 6297, 6965, 6966, 6967, 6968, 6969, 6970, 6971, 6972, 6973, 6974, 6975, 6976, 6977, 6978, 6979, 6980, 6981, 6982, 6983, 6984, 6985, 6986, 6987, 6988, 6989, 6990. - **HNHM:** 2001.6.2. - **KU:** 135027, 135879. - **TM:** 42614, 42615.
Neoromicia rendalli (Thomas, 1889):
DNSM: 5361, 5370, 5877, 5878.
Nycteris hispida (Schreber, 1774):
DNSM: 6997.
Pipistrellus hesperidus (Temminck, 1840):
TM: 40717.
Pipistrellus hesperidus broomi Roberts, 1948:
KU: 142225.
Scotophilus dinganii (A. Smith, 1833):
TM: 40434

SE 28032Ad:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 2442, 4012, 5337, 5951, 5952, 5953, 6789, 6790. - **TM:** 16536, 35369, 38270, 38271, 38272, 40084, 40367, 40368, 40369, 40370.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 1097, 1099. - **TM:** 38274, 40390, 40391, 40433. - **ZMA:** MAM.23581, MAM.23582.
Glauconycteris variegata (Tomes, 1861):
DNSM: 1023. - **TM:** 40164, 40416.
Hipposideros caffer (Sundevall, 1846):
TM: 40351, 40352, 40389, 40397, 40398, 40399, 40400, 40418, 40419.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 5956, 6787, 6791, 6792, 6794, 6795, 6796.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 1087, 1096, 1098, 5954, 5955, 679. - **KU:** 135877, 135878, 135880, 135881. - **TM:** 33359, 33360, 33361, 37874, 38268, 40353, 40435, 40436, 40437.
Neoromicia nana (Peters, 1852):
ROM: 83952. - **TM:** 40160.
Nycteris hispida (Schreber, 1774):
DNSM: 2431, 2432, 2458.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 2429, 6884. - **TM:** 40432.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 1063, 1064, 6109, 6372, 6373, 6374, 6793, 6895, 6896. - **TM:** 40406, 40410, 40417.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 6890.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
DNSM: 6788, 6797. - **KU:** 135854. - **TM:** 33366, 33367.
Scotoecus albofuscus (Thomas, 1890):
DNSM: 4885.

Scotophilus Leach, 1821:
TM: 40083, 47823.
Scotophilus dinganii (A. Smith, 1833):
TM: 41049.
Scotophilus viridis (Peters, 1852):
DNSM: 1022, 1045. - **TM:** 40354, 40385, 40387, 40388

SE 28032Cb:

Neoromicia nana (Peters, 1852):
DNSM: 5405.
Neoromicia rendalli (Thomas, 1889):
DNSM: 6992, 6993

SE 28032Ba:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 4284, 4285, 4286, 6019, 6021, 6022, 6023. - **TM:** 40720.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 6024. - **TM:** 35368, 35370, 35371, 35372, 35373, 35374, 35375, 35376, 35377, 35378, 35379, 35380, 35381, 35382, 35383.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 1062

SE 28032Bc:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 4449, 4450, 4460, 4461, 5957, 5958, 5959, 5960.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
DNSM: 4438, 4441, 4446. - **KU:** 135029, 135853. - **TM:** 27466, 27467, 27468, 27469, 35353, 35354, 35355, 35356, 35357, 35358, 35359, 35360, 35361, 35362, 35363, 35364, 35365, 35366, 43854

SE 29016Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 1720

SE 29017Aa:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 39334

SE 29017Cb:

Neoromicia capensis (A. Smith, 1829):
USNM: 342627, 342631, 342633

SE 29017Da:

Rhinolophus capensis Lichtenstein, 1823:
MCZ: 37048, 37049, 37050, 37051

SE 29017Bd:

Neoromicia capensis (A. Smith, 1829):
SAMC: 2736

SE 29017Db:

Cistugo seabrae Thomas, 1912:
USNM: 342632.
Neoromicia capensis (A. Smith, 1829):
TM: 42097. - **USNM:** 342626, 342628, 342629, 342630.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/7129.
Rhinolophus clivosus Cretzschmar, 1828:
AMNH: 161577, 161578, 161579, 161580, 161581, 161582, 161583, 161584, 161585, 161586, 161587, 161588, 161589, 161590, 161591, 161592, 161593, 161594, 161595, 161596, 161597, 161598, 161599, 161600, 161601, 168147. - **MMK:** MAM/7043. - **MSNG:** 73. - **MVZ:** 117997, 117998, 117999, 118000, 118001, 118002, 118003, 118004, 118005, 118006, 118007, 118008. - **TM:** 42096.
Sauromys petrophilus (Roberts, 1917):
TM: 34156.
Sauromys petrophilus haagneri (Roberts, 1917):
USNM: 342650, 342651, 342652, 342653, 342654, 342655, 342656, 342657, 342658.

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 342659.
Tadarida aegyptiaca bocagei (Seabra, 1900):
USNM: 342660, 342661, 342662, 342663

SE 29017Dd:

Neoromicia capensis (A. Smith, 1829):
TM: 27935, 28002, 28003, 28004.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 28221

SE 29018Ca:

Cistugo seabrae Thomas, 1912:
KM: MYO-003J, MYO-004J.
Sauromys petrophilus (Roberts, 1917):
KM: TAD070, TAD071, TAD072, TAD073, TAD074, TAD075, TAD076, TAD077, TAD078, TAD079, TAD084

SE 29018Cd:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 27582, 34155, 34157, 34158

SE 29018Bb:

Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 11251

SE 29018Bd:

Rhinolophus damarensis Roberts, 1946:
MMK: MAM/7097

SE 29022Aa:

Miniopterus fraterculus Thomas and Schwann, 1906:
USNM: 424104

SE 29022Ab:

Eptesicus hottentotus (A. Smith, 1833):
MMK: MAM/2432, MAM/6994, MAM/6995, MAM/HW-993, MAM/HW-994, MAM/HW-995.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2750.
Rhinolophus damarensis Roberts, 1946:
MMK: MAM/2837

SE 29022Ad:

Eidolon helvum (Kerr, 1792):
MMK: MAM/1032

SE 29022Bc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2743.
Rhinolophus clivosus Cretzschmar, 1828:
MMK: MAM/2785.
Rhinolophus damarensis Roberts, 1946:
MMK: MAM/2840, MAM/2881

SE 29022Da:

Rhinolophus damarensis Roberts, 1946:
MMK: MAM/2877

SE 29022Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2731.
Rhinolophus damarensis Roberts, 1946:
MMK: MAM/2864

SE 29022Dd:

Neoromicia capensis (A. Smith, 1829):
TM: 27230, 27231, 27236, 27237, 27251, 27252, 27253, 27254, 27255, 27256, 27257, 27258, 27259, 27260, 27261, 27262, 27275, 27276, 27277, 27278, 27291.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 27285, 27286, 27287.
Rhinolophus damarensis Roberts, 1946:
TM: 27206, 27288, 27289, 27290.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 27273, 27274

SE 29023Ba:

Cistugo lesueuri Roberts, 1919:
KM: MYO-002J

SE 29023Dc:

Neoromicia capensis (A. Smith, 1829):
KM: 24506

SE 29023Bb:

Eidolon helvum (Kerr, 1792):
TM: 9419

SE 29024Ca:

Miniopterus natalensis (A. Smith, 1833):
NMB: 8585

SE 29024Ab:

Eidolon helvum (Kerr, 1792):
MMK: MAM/1028

SE 29024Cb:

Neoromicia capensis (A. Smith, 1829):
NMB: 8758, 8759.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NMB: 9563

SE 29024Db:

Neoromicia capensis (A. Smith, 1829):
NMB: 2915, 2916

SE 29024Dd:

Neoromicia capensis (A. Smith, 1829):
USNM: 344273, 344274, 344284, 344285, 344286, 344287.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 344267

SE 29025Aa:

Eidolon helvum (Kerr, 1792):
NMB: 8514

SE 29025Ca:

Neoromicia capensis (A. Smith, 1829):
TM: 11785, 7847

SE 29025Ab:

Eidolon helvum (Kerr, 1792):
NMB: 1237, 1327

SE 29025Ad:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 3698, 3699, 3700, 3701, 3702, 3703

SE 29025Cb:

Miniopterus natalensis (A. Smith, 1833):
NMB: 7582, 7597, 7598, 7607, 7610, 7612, 7613, 7620, 7622, 7624, 7637, 7672, 7673, 7678.
Neoromicia capensis (A. Smith, 1829):
NMB: 7578, 7579, 7581, 7584, 7585, 7593, 7594, 7595, 7599, 7600, 7601, 7602, 7603, 7604, 7605, 7606, 7609, 7611, 7616, 7617, 7618, 7619, 7621, 7625, 7629, 7633, 7634, 7635, 7636, 7639, 7641, 7642, 7643, 7645, 7646, 7647, 7675, 7677, 7679, 7680, 7681, 7682, 7683, 7684, 7685, 7686, 7687, 7688, 7689, 7690, 7691, 7692, 7693, 7694, 7695, 7696, 7697, 7698, 7699.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NMB: 2043, 7577.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 7561, 7562, 7563, 7564, 7588, 7589, 7592, 7608, 7614, 7615, 7623, 7626, 7638.
Rhinolophus denti Thomas, 1904:
NMB: 7586, 7596, 7640, 7644.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 7580, 7583, 7587, 7590, 7591, 7627, 7628, 7630, 7631, 7632, 7648, 7674, 7676

SE 29025Cd:

Neoromicia capensis (A. Smith, 1829):
NMB: 3661, 3662, 3663, 3664.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NM: 82043.
Rhinolophus denti Thomas, 1904:
NMB: 7356

SE 29025Bd:

Eidolon helvum (Kerr, 1792):
NMB: 1296

SE 29025Db:

Neoromicia capensis (A. Smith, 1829):
NMB: 3006, 3007.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 3003, 3004, 3005

SE 29026Aa:

Eidolon helvum (Kerr, 1792):
NMB: 1592.
Myotis welwitschii (Gray, 1866):
NMB: 1263.
Neoromicia capensis (A. Smith, 1829):
NMB: 1636, 1637, 1638, 1659, 1660, 1673, 2189, 2595, 2939, 3122, 3955, 4103, 4678, 6295, 6298, 6299, 6302, 6303. - **ZMA:** MAM.01959.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NMB: 1090.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 1657, 6291, 6292, 6293, 6294, 6296, 6297, 6300, 6301, 6305, 6306, 6307, 6308, 6309, 6310, 6311, 6312, 6313, 6314, 6315, 6316, 6317, 6318, 6319, 6320, 6321, 7880

SE 29026Ca:

Neoromicia nana (Peters, 1852):
DNSM: 13110.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 3617, 3618, 3619

SE 29026Ad:

Neoromicia capensis (A. Smith, 1829):
NMB: 3584, 3629, 3630

SE 29026Ba:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 2952

SE 29026Bb:

Neoromicia capensis (A. Smith, 1829):
NMB: 2926, 2955, 2956.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 2953, 2954

SE 29027Aa:

Neoromicia capensis (A. Smith, 1829):
TM: 42749, 42750, 42751, 42752, 42753.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 6304

SE 29027Ac:

Neoromicia capensis (A. Smith, 1829):
NMB: 1697

SE 29027Ca:

Rhinolophus clivosus Cretzschmar, 1828:
MSNG: 42305.
Tadarida aegyptiaca bocagei (Seabra, 1900):
USNM: 142548

SE 29027Ab:

Neoromicia capensis (A. Smith, 1829):
NMB: 1690, 2631.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 1664, 7395, 7396, 7397, 7398, 7753, 7754, 7755, 7756, 7757, 7758, 7759, 7760, 7761.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 4355, 4848

SE 29027Cd:

Eptesicus hottentotus (A. Smith, 1833):
NMB: 8656

SE 29027Ba:

Neoromicia capensis (A. Smith, 1829):
NMB: 4060, 4061, 4062, 4063. - **TM:** 7381, 7382

SE 29027Dc:

Neoromicia capensis (A. Smith, 1829):
NMB: 8654, 8655, 8657

SE 29027Dd:

Cistugo lesueuri Roberts, 1919:
NMB: 8289, 8290, 8291, 8292, 8293, 8294, 8295, 8296, 8297, 8298, 8299, 8301, 8302, 8303, 8304, 8305, 8306, 8307, 8308.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 8300

SE 29028Ca:

Cistugo lesueuri Roberts, 1919:
NMB: 7265, 7268, 7269, 7271, 7319, 7320, 7321, 7323.
Myotis tricolor (Temminck, 1832):
NMB: 7266, 7267, 7272, 7273, 7274, 7318, 7351.
Neoromicia capensis (A. Smith, 1829):
NMB: 7270, 7354.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 7350, 7355

SE 29028Ab:

Cistugo lesueuri Roberts, 1919:
NMB: 7036.

Neoromicia capensis (A. Smith, 1829):
DNSM: 6847

SE 29028Da:

Cistugo lesueuri Roberts, 1919:
NMB: 8158.
Miniopterus natalensis (A. Smith, 1833):
NMB: 8157, 8159.
Myotis tricolor (Temminck, 1832):
NMB: 8160

SE 29028Db:

Cistugo lesueuri Roberts, 1919:
NMB: 8483, 8488.
Rhinolophus darlingi K. Andersen, 1905:
NMB: 8481, 8482

SE 29029Ac:

Cistugo lesueuri Roberts, 1919:
NMB: 6887, 6888, 6898, 6899, 6900, 6901, 6902, 6903, 6908, 6910, 6911, 6912, 6913, 6988, 6989, 6992.
Myotis tricolor (Temminck, 1832):
NMB: 6909.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 6891, 6892, 6893, 6894, 6907, 6983, 6984, 6985, 6986, 6987

SE 29029Cc:

Cistugo lesueuri Roberts, 1919:
KM: 24805. - **NMB:** 6685, 6696.
Eptesicus hottentotus (A. Smith, 1833):
DNSM: 1887, 1888.
Laephotis wintoni Thomas, 1901:
NMB: 6686, 6687, 6688, 6697, 6698.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 2131, 2132, 2133. - **NMB:** 6863, 6864, 6865

SE 29029Ad:

Neoromicia capensis (A. Smith, 1829):
TM: 38390.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 6980, 6981, 6982

SE 29029Cd:

Cistugo lesueuri Roberts, 1919:
DNSM: 7504

SE 29029Bc:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 4283.
Neoromicia capensis (A. Smith, 1829):
DNSM: 1909, 1910, 1911, 1912, 1913, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 4457, 4458. - **TM:** 36099.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 38092, 38105

SE 29029Dc:

Miniopterus natalensis (A. Smith, 1833):
TM: 37157.
Rhinolophus clivosus Cretzschmar, 1828:
ROM: 41721

SE 29029Bb:

Neoromicia capensis (A. Smith, 1829):
NM: 814, 816, 818

SE 29029Bd:

Neoromicia capensis (A. Smith, 1829):
TM: 49182, 49183

SE 29029Db:

Neoromicia capensis (A. Smith, 1829):
DNSM: 7502.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 7264

SE 29029Dd:

Rhinolophus rhodesiae Roberts, 1946:
DNSM: 7080.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 3940

SE 29030Aa:

Neoromicia capensis (A. Smith, 1829):
TM: 38592

SE 29030Ac:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 34346.
Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 47112.
Neoromicia capensis (A. Smith, 1829):
DNSM: 11431, 5449, 5873. - **TM:** 41177.
Rhinolophus simulator K. Andersen, 1904:
TM: 8917.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 1974.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 5087.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
DNSM: 3268. - **TM:** 38381

SE 29030Ca:

Neoromicia capensis (A. Smith, 1829):
DNSM: 4738, 5387.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 5947

SE 29030Cc:

Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 6833.
Hipposideros caffer (Sundevall, 1846):
DNSM: 5751.
Hypsugo anchietae (Seabra, 1900):
DNSM: 5362.
Laephotis botswanae Setzer, 1971:
DNSM: 5351, 6898, 6899.
Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 6897.
Neoromicia capensis (A. Smith, 1829):
DNSM: 6894.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 5074, 5312, 5752.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 6834

SE 29030Ab:

Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
DNSM: 4291

SE 29030Ad:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 2152, 2153, 5908, 6018, 6754, 7040, 7041, 7042, 7335, 7336, 7337, 7338, 7339, 7340, 7341, 7343, 7344. - **TM:** 38593.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 11268, 14239.
Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 25462, 25463.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 7036, 7342.
Myotis tricolor (Temminck, 1832):
AMNH: 232028, 245222.
Neoromicia capensis (A. Smith, 1829):
KU: 135865. - **TM:** 49184.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 11432.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 6020.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 5909.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 6009, 6753

SE 29030Cb:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 6006, 6862.
Epomophorus crypturus Peters, 1852:
USNM: 292065.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 10638, 5054, 5691, 5692. - **HZM:** 1.1115, 2.1295. - **USNM:** 292064.
Hipposideros caffer (Sundevall, 1846):
AMNH: 245217, 245218, 245219, 245220. - **KM:** 23724.
Miniopterus fraterculus Thomas and Schwann, 1906:
AMNH: 245203, 245204, 245206, 245207. - **DNSM:** 12008, 14043, 14044, 14045, 14046, 14047, 14048. - **HZM:** 1.1174. - **KM:** 23799. - **TM:** 30127, 30128, 30130, 33388, 33389, 33390, 33391, 36211, 36212, 36213, 36217, 36218, 36221, 36222, 36223, 36224, 36226, 36229, 36233, 36236, 36237, 36238, 36239, 36241.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 245201, 245202, 245205, 245208. - **DNSM:** 7039, 7486. - **ROM:** 76027. - **TM:** 33392, 33393, 33394, 33395, 33396, 33397, 33398, 33436, 33437, 33438, 33439, 33440, 33441, 33442, 36214, 36215, 36216, 36219, 36220, 36225, 36227, 36228, 36230, 36231, 36232, 36234, 36235, 36240, 36242, 36251, 41872. - **USNM:** 292067.
Myotis tricolor (Temminck, 1832):
AMNH: 232029, 232030, 232031, 245221, 245223, 245224, 245225. - **DNSM:** 7005. - **KM:** 23764. - **TM:** 13746, 30689, 30690, 30691, 33203, 33204, 33470, 33471, 41878. - **USNM:** 292066.
Neoromicia capensis (A. Smith, 1829):
DNSM: 10642, 10643, 1106, 1108, 13142, 3348, 4776, 5051, 5964, 6008, 7081. - **TM:** 33399.
Neoromicia nana (Peters, 1852):
DNSM: 13124, 2894. - **HZM:** 1.1119.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
AMNH: 245209, 245210, 245211, 245212. - **KM:** 26069. - **SMF:** 55045, 55046, 55047. - **TM:** 13744, 13745.
Otomops martiensseni (Matschie, 1897):
DNSM: 10790.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 13122.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 12004, 12005, 12006, 14037, 14038, 14039, 14040, 14041, 14042, 5671. - **KM:** 23643. - **TM:** 11994, 13742, 13743, 36193, 36194, 36195, 36196, 36197, 36198, 36199, 36200, 36201, 36202, 36203, 36243, 36244, 36245, 36246, 36248, 36249, 36250.
Rhinolophus rhodesiae Roberts, 1946:
DNSM: 12007, 14034.
Rhinolophus simulator K. Andersen, 1904:
AMNH: 245213, 245214, 245215, 245216. - **KM:** 23706. - **SMF:** 55040, 55041, 55042, 55043, 55044. - **TM:** 13735, 13736, 13737, 13738, 13739, 13740, 13741, 30120, 30150.
Rhinolophus swinnyi Gough, 1908:
DNSM: 14035, 14036.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 1105, 12760, 1840, 2449, 4422, 4454, 4455, 5088, 5335, 5658, 6017, 7485. - **KM:** 23778. - **KU:** 135866, 135867. - **SMF:** 55036. - **TM:** 25461, 40111, 40276, 42505.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
AMNH: 245226. - **DNSM:** 14148, 5672, 5673, 7028. - **TM:** 33400, 33401, 33402, 39282, 42616, 42618, 42619, 42620, 42621, 42622, 42623, 42624, 42625, 42626, 42627, 42628, 42629.
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KU: 135025, 135876, 135887.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:

KU: 135857. - **TM:** 35443

SE 29030Cd:

Rhinolophus simulator K. Andersen, 1904:
TM: 25459

SE 29030Ba:

Neoromicia nana (Peters, 1852):
DNSM: 7568.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
TM: 3491

SE 29030Bc:

Neoromicia capensis (A. Smith, 1829):
DNSM: 7020

SE 29030Da:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 8029, 8954, 8955, 8956, 8958, 8959. - **ROM:** 45568, 45569, 45570, 45572, 45575, 45576, 45748, 45749, 45750, 45751, 45752, 45753, 45754, 45755, 45756, 45757, 45758, 45759, 45760, 45761, 45762, 45764, 45765, 45766, 45767, 45768, 46023, 46024, 46025, 46026, 46027, 76109, 76110, 76111, 76112. - **TM:** 40719.
Epomophorus wahlbergi (Sundevall, 1846):
KU: 135855.
Hipposideros caffer (Sundevall, 1846):
DNSM: 4061, 4063, 4064, 4065, 7323, 7409, 7410, 7411, 8957. - **TTU:** 40972.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 8964.
Neoromicia capensis (A. Smith, 1829):
TM: 25464.
Neoromicia nana (Peters, 1852):
DNSM: 13108.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 3542, 4062. - **KU:** 135656, 135657. - **TTU:** 40970, 40971.
Rhinolophus clivosus Cretzschmar, 1828:
SMF: 55037. - **TTU:** 40973.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 14584. - **SMF:** 55038, 55039. - **TM:** 36204, 36205, 36206, 36207, 36208, 36209, 36210. - **TTU:** 40974, 40975, 40976, 40977

SE 29030Dc:

Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 1.
Hipposideros caffer (Sundevall, 1846):
DNSM: 4431.
Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 3513, 6213, 7031, 7032, 7033, 7034, 8363, 8364, 8365.
Miniopterus inflatus Thomas, 1903:
DNSM: 3344, 5663, 8366.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 12653, 13303, 13304, 13305, 13306, 13307, 13308, 13309, 13310, 13311, 13312, 13313, 3340, 3341, 3342, 3343, 3345, 3467, 3468, 3469, 3470, 3514, 3515, 3516, 3517, 3553, 3554, 3555, 5619, 5662, 6212, 6214, 6215, 6216, 6217, 6218, 6801, 6802, 6803, 6804, 6805, 7035, 764, 765, 7904, 8362.
Myotis tricolor (Temminck, 1832):
DNSM: 2419, 2420, 2421, 2422, 2470, 2714, 3346, 5665, 6188, 6189, 6798, 6799, 6800.
Myotis welwitschii (Gray, 1866):
DNSM: 954.
Neoromicia capensis (A. Smith, 1829):
DNSM: 13134.
Neoromicia nana (Peters, 1852):
TM: 25465, 25466.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 7842.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 25460.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 3562, 4430, 5661, 5664, 7030, 8798.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 13112, 6891

SE 29030Db:

Neoromicia capensis (A. Smith, 1829):
DNSM: 8670.
Otomops martiensseni (Matschie, 1897):
DNSM: 3518, 4042.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 6893.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 5776, 5777, 5778

SE 29030Dd:

Chaerephon nigeriae Thomas, 1913:
DNSM: 5340.
Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 10127, 10128, 10129, 10131, 102, 11488, 12410, 12574, 12649, 12650, 12651, 13089, 13095, 13098, 13099, 13333, 1852, 1978, 31, 3488, 3557, 3658, 3679, 3749, 3750, 3867, 4456, 5089, 5090, 5091, 5092, 5114, 5448, 5476, 5578, 5579, 5580, 5581, 5582, 5583, 5584, 5585, 5586, 5608, 5666, 5667, 5668, 5749, 5942, 6371, 6379, 6872, 6903, 6905, 6912, 6917, 6925, 7056, 7059, 7062, 7074, 7077, 721, 7242, 7363, 7392, 7508, 7537, 7851, 7907, 7910, 8001, 829, 833, 8439, 8823, 8828. - **TM:** 45445, 45446, 45447, 45448, 45449, 45450, 45451, 45452, 45453, 45454, 45455.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 10, 10043, 11, 12, 12015, 12646, 13079, 13083, 13317, 13407, 14, 14234, 14240, 1614, 2137, 2187, 2196, 3664, 3666, 3667, 3668, 3669, 4796, 5, 5342, 5478, 5549, 6362, 665, 678, 6857, 6915, 6926, 6928, 7050, 7235, 7237, 7405, 7434, 7491, 7570, 7912, 7998, 8810, 8834, 9135. - **TM:** 978.
Eptesicus hottentotus (A. Smith, 1833):
TM: 40017.
Hipposideros caffer (Sundevall, 1846):
DNSM: 1272. - **TM:** 1047, 42817.
Hypsugo anchietae (Seabra, 1900):
DNSM: 10025.
Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 10034.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 4806.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 7538.
Myotis bocagii (Peters, 1870):
DNSM: 10026, 10027, 10126, 10130.
Myotis tricolor (Temminck, 1832):
DNSM: 7071.
Neoromicia capensis (A. Smith, 1829):
DNSM: 11428, 11429, 13119, 13121, 13400, 5345, 5346, 5736, 5756, 5881, 5882, 5889, 6370, 7017, 7018, 8809, 8822, 8829.
Neoromicia nana (Peters, 1852):
DNSM: 1278, 13103, 13109, 13143, 1619, 3677, 5126, 5550, 5869, 5870, 5871, 5931, 6117, 6380, 6875, 6876, 6878, 7001, 7019, 7023, 7488, 7498, 7499, 7542, 796, 8418, 8825, 955. - **TM:** 1080, 1081, 1082, 1083, 1084, 43263, 43264, 43265, 43266, 43267, 43268, 43269. - **USNM:** 156342, 156343.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 5313, 5314, 5315, 5962, 7072, 7838. - **TM:** 1033, 1034, 5034.
Otomops martiensseni (Matschie, 1897):
DNSM: 2747, 3673, 3674, 5344, 5911, 5912, 5935, 663, 8421, 8505, 8571. - **HZM:** 1.2145. - **TM:** 38863, 38864, 38865, 38866, 38867, 38868, 38869, 38870, 38871, 38872, 38873, 38874, 42514, 42515, 42516, 42519, 42520, 42522, 42523, 42524, 42525, 42526, 42527.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 10024, 10032, 10033, 12854, 14242, 5378, 5382, 5384, 5385, 5388, 5403, 5868, 5876, 5907, 6010, 6150, 6219, 6909, 7015, 7016, 7144, 7201. - **TM:** 1085, 40014, 40015.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 5746, 5771.
Scotoecus albofuscus (Thomas, 1890):
DNSM: 6931.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 13138, 1853, 3349, 3675, 3676, 3680, 3681, 3682, 38, 4271, 4771, 5036, 5475, 5629, 5641, 5737, 5750, 5874, 5875, 5910, 6152, 6359, 6854, 6877, 6919, 7049, 7053, 7063, 7064, 7415, 7419, 7848, 8004, 8824, 8826, 8827. - **TM:** 1094, 40018.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 3670, 3671, 3672, 4710, 7241, 8915.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
DNSM: 11733, 4772, 6929

SE 29031Ca:

Chaerephon nigeriae Thomas, 1913:
DNSM: 7061.
Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 13077, 5754, 6344, 7386. - **HNHM:** 2001.6.4, 2001.6.5. - **TM:** 39426.

Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 7999.
Neoromicia nana (Peters, 1852):
DNSM: 13104, 13116, 13126, 6151, 6873, 8000. - **TM:** 40019, 44409.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 6964. - **TM:** 40069.
Otomops martiensseni (Matschie, 1897):
DNSM: 29, 4270, 4490, 6936, 6937.
Otomops martiensseni icarus Chubb, 1917:
AMNH: 90401.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 13128, 7143.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 1637, 445, 4451, 4452, 4453, 5576, 7267, 7492.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
DNSM: 5883

SE 29031Cc:

Chaerephon pumilus (Cretzschmar, 1826):
AMNH: 244321, 244322. - **DNSM:** 10781, 13338, 14241, 2463, 2468, 32, 33, 3520, 3521, 3522, 3523, 3524, 3525, 3526, 3546, 3558, 3560, 3561, 3748, 3751, 3752, 3973, 4041, 4562, 4730, 5341, 5670, 6363, 6870, 6914, 6918, 7002, 7248, 7250, 7379, 7385, 7387, 8348, 8440. - **HNHM:** 2001.6.3. - **TM:** 36158, 36159, 36160, 36161, 36162, 36163, 36164, 36165, 36166, 36167, 36168, 36169, 36170, 36171, 36172, 36173, 36174, 36175, 36176, 36177, 36178, 36179, 36180, 36181, 36183, 36184, 36185, 36186, 36187, 36188, 36189, 36190, 36191.
Epomophorus crypturus Peters, 1852:
ZMB: 3917, 4756.
Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 244296, 244297. - **BMNH:** 1920.9.1.3. - **DNSM:** 10041, 10652, 12647, 13, 13078, 13080, 13081, 13406, 14167, 14168, 14169, 14170, 14232, 14233, 14235, 14236, 2, 2130, 2750, 3, 3862, 4, 47, 4780, 5067, 5086, 5424, 5753, 6, 640, 6807, 6902, 6932, 7, 7070, 714, 7234, 7236, 7239, 7243, 7403, 7512, 8, 8833, 9, 956. - **ROM:** 41707. - **SMNS:** 1432. - **TM:** 38679, 38680, 38681. - **ZMB:** 10016.
Glauconycteris variegata (Tomes, 1861):
DNSM: 13405, 6861.
Hipposideros caffer (Sundevall, 1846):
BMNH: 1848.6.2.16, 1849.11.22.11. - **ZMB:** 4189.
Kerivoula lanosa (A. Smith, 1847):
DNSM: 4282.
Miniopterus natalensis (A. Smith, 1833):
BMNH: 1846.6.2.19.
Mormopterus acetabulosus (Hermann, 1804):
MNHN: ZM-MO-1984-1201.
Neoromicia capensis (A. Smith, 1829):
DNSM: 6911, 7249. - **TM:** 36192.
Neoromicia nana (Peters, 1852):
DNSM: 6879, 6883, 6910, 6916, 7013, 7422, 7911.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1907.1.1.335. - **DNSM:** 10723, 10724, 10735, 1095, 7266, 7908. - **RBINS:** 12301.
Otomops martiensseni (Matschie, 1897):
BMNH: 1916.10.9.1. - **DNSM:** 10294, 10295, 11434, 11731, 11732, 12648, 13329, 3519, 4289, 4292, 4293, 4294, 4295, 4296, 4297, 4404, 4405, 4406, 4760, 4950, 5392, 5425, 5426, 5427, 5509, 5510, 5511, 5512, 5513, 5514, 5515, 5516, 5517, 5518, 5519, 5936, 661, 662, 664, 6886, 6887, 6888, 6904, 6930, 7909, 8002, 8419, 8420. - **KZNM:** 378, 379. - **TM:** 42521.
Otomops martiensseni icarus Chubb, 1917:
AMNH: 172858.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 14243, 4288, 7073, 86.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
DNSM: 7536.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 108, 11216, 1626, 1627, 2464, 39, 3970, 3971, 3972, 4287, 4957, 596, 6250, 6811, 7057, 7058, 7238, 81, 82, 83. - **NRM:** 1064. - **TM:** 7783.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 12645, 5689, 607, 6368.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
DNSM: 11642, 11651, 15, 4290, 5609, 5640, 5990, 6361, 6869. - **TM:** 2353, 3028

SE 29031Ab:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 4471, 5531, 5532.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 5534. - **TTU:** 40969.
Hipposideros caffer (Sundevall, 1846):
DNSM: 5533.

Hypsugo anchietae (Seabra, 1900):
DNSM: 5353, 5357, 5364.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 5369

SE 29031Ad:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 8597.
Mops (Mops) condylurus (A. Smith, 1833):
DNSM: 8598, 8599.
Neoromicia nana (Peters, 1852):
DNSM: 8596

SE 30017Aa:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 42154, 42155

SE 30017Ad:

Eidolon helvum (Kerr, 1792):
SAMC: 37073

SE 30017Db:

Neoromicia capensis (A. Smith, 1829):
MVZ: 117193, 117194, 117195, 117196

SE 30018Ca:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 1721

SE 30018Cc:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 28028, 28029, 28030, 28031, 28032, 28033, 28034, 28050, 28051, 28052, 28053

SE 30018Ad:

Neoromicia capensis (A. Smith, 1829):
KM: 2086.
Rhinolophus capensis Lichtenstein, 1823:
KM: 1786.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 1743

SE 30018Dc:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 4998.
Rhinolophus capensis Lichtenstein, 1823:
DNSM: 5012.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 4999, 5011, 5013

SE 30021Bd:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 8310, 8311, 8312, 8313, 8314, 8315

SE 30022Db:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 237532

SE 30023Aa:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 42649

SE 30023Cd:

Rhinolophus darlingi K. Andersen, 1905:
TM: 2541

SE 30023Db:

Neoromicia capensis (A. Smith, 1829):
KM: 24499

SE 30023Dd:

Neoromicia capensis (A. Smith, 1829):
BMNH: 1902.9.1.2. - **USNM:** 342605, 342606, 342607, 342608, 342609, 342610, 342611, 342612, 342613, 342614, 342635, 342636, 342637

SE 30024Ca:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 24579

SE 30024Ba:

Neoromicia capensis (A. Smith, 1829):
KM: 24560, 24569.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 24586

SE 30024Bb:

Neoromicia capensis (A. Smith, 1829):
NMB: 1661, 1662, 1663

SE 30025Ac:

Neoromicia capensis (A. Smith, 1829):
NMB: 11280, 11281

SE 30025Ca:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 42501

SE 30025Cb:

Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 185379.
Neoromicia capensis (A. Smith, 1829):
NMB: 3719, 3720, 3721.
Tadarida aegyptiaca bocagei (Seabra, 1900):
USNM: 424106, 424107, 424108, 424109, 424110, 424111

SE 30025Da:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/2768

SE 30025Bb:

Eidolon helvum (Kerr, 1792):
NMB: 8515

SE 30025Db:

Neoromicia capensis (A. Smith, 1829):
NMB: 3747, 3748, 3754, 3755

SE 31025Bb:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 29480, 29481, 3366

SE 30026Cd:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 4574

SE 30026Ba:

Eidolon helvum (Kerr, 1792):
NMB: 1262

SE 30026Dc:

Neoromicia capensis (A. Smith, 1829):
NMB: 5710, 5711, 5712

SE 30026Bb:

Miniopterus natalensis (A. Smith, 1833):
NMB: 5938, 5940, 5942, 5943, 5944, 5945, 5946, 5947, 5948, 5949, 5950, 5951, 5952, 5953, 5954, 5955, 5956, 5957, 5958, 5959, 5960, 5961, 5963, 5964, 5965, 5966, 5967, 5968, 5969, 5970, 5971, 7358, 7359, 7360, 7361, 7362, 7363, 7364, 7365, 7366, 7367, 7368, 7369, 7370, 7371, 7372, 7373, 7374, 7376, 7377, 7378, 7379, 7380, 7381, 7382, 7383, 7384, 7385, 7560, 7778, 7779, 7780.
Myotis tricolor (Temminck, 1832):
NMB: 6994.
Neoromicia capensis (A. Smith, 1829):
NMB: 5972, 5973, 5974, 5975, 5976, 5977, 5978, 5979, 5980.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 5937, 5939, 5941, 7375

SE 30026Dd:

Neoromicia capensis (A. Smith, 1829):
NMB: 4324.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 4321, 4322, 4323

SE 30027Ac:

Miniopterus natalensis (A. Smith, 1833):
NMB: 7504.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 7399, 7500, 7501

SE 30027Ca:

Neoromicia capensis (A. Smith, 1829):
NMB: 4212.
VESPERTILIONIDAE Gray, 1821:
SAMC: 37098A, 37098B

SE 30027Ab:

Neoromicia capensis (A. Smith, 1829):
NMB: 8128

SE 30027Dc:

Neoromicia capensis (A. Smith, 1829):
NMB: 4560, 4562, 4563

SE 30027Bb:

Eptesicus hottentotus (A. Smith, 1833):
NMB: 8176.
Myotis tricolor (Temminck, 1832):
NMB: 8175.
Neoromicia capensis (A. Smith, 1829):
NMB: 8223, 8224, 8225, 8226, 8227, 8228, 8229.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 8222

SE 30027Bd:

Neoromicia capensis (A. Smith, 1829):
USNM: 422510, 422511, 422512, 422513, 422514, 422515, 422516, 422517, 422518, 479485, 479486, 479487, 479488, 479489, 479490, 479491, 479492

SE 30027Db:

Neoromicia capensis (A. Smith, 1829):
NMB: 4989

SE 30027Dd:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
MSB: 47958

SE 30028Cc:

Miniopterus natalensis (A. Smith, 1833):
NMB: 5933.
Neoromicia capensis (A. Smith, 1829):
NMB: 5927.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 5923, 5924, 5925, 5926, 5934, 5935.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 5932

SE 30028Cb:

Neoromicia capensis (A. Smith, 1829):
NMB: 5834, 5835.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 5880

SE 30028Cd:

Miniopterus natalensis (A. Smith, 1833):
NMB: 5876, 5877, 5878, 5879.
Neoromicia capensis (A. Smith, 1829):
NMB: 5883.
Rhinolophus clivosus Cretzschmar, 1828:
NMB: 5881

SE 30028Ba:

Eptesicus hottentotus (A. Smith, 1833):
NMB: 8342, 8343, 8344

SE 30028Bb:

Miniopterus natalensis (A. Smith, 1833):
NMB: 5962

SE 30029Ac:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 12652, 13258.
Rhinolophus swinnyi Gough, 1908:
DNSM: 13250, 13251, 13252, 13253, 13254, 13255, 13256, 13257

SE 30029Ca:

Rhinolophus swinnyi Gough, 1908:
TM: 1021, 1022

SE 30029Cb:

Neoromicia capensis (A. Smith, 1829):
DNSM: 7011. - **TM:** 38106, 38108

SE 30029Cd:

Miniopterus inflatus Thomas, 1903:
DNSM: 7085.

Miniopterus natalensis (A. Smith, 1833):
DNSM: 7086, 7087, 7088, 7089, 7090, 7091. - **KM:** 26115.
Rhinolophus swinnyi Gough, 1908:
DNSM: 14440, 14441, 7084

SE 30029Bc:

Neoromicia capensis (A. Smith, 1829):
DNSM: 3868, 3869

SE 30029Dc:

Neoromicia capensis (A. Smith, 1829):
KM: 32638

SE 30030Ca:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 34347.
Hipposideros caffer (Sundevall, 1846):
TM: 34338, 34339, 34340, 34341, 34342, 34343.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 5529, 5530.
Rhinolophus simulator K. Andersen, 1904:
TM: 34330, 34331, 34332, 34333, 34334, 34335, 34336, 34337

SE 30030Ab:

Epomophorus wahlbergi (Sundevall, 1846):
ZMA: MAM.24424, MAM.24425

SE 30030Ad:

Hipposideros caffer (Sundevall, 1846):
TM: 30136, 30139, 30148.
Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 30138.
Miniopterus natalensis (A. Smith, 1833):
TM: 30132, 36268, 36269, 36270, 36271, 36272, 36273, 36274, 36275, 36276, 36277, 36278, 36279, 36280, 36281, 36282, 36283, 36284, 36285, 36286, 36287, 36288, 36289.
Myotis tricolor (Temminck, 1832):
TM: 30147, 36253, 36254, 36255, 36256, 36257, 36258, 36259.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 36252.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 30129, 30146, 36247, 36260, 36261, 36262, 36263, 36264, 36265, 36266.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 7836. - **TM:** 30122, 30123, 36267.
Scotophilus dinganii (A. Smith, 1833):
KM: 23779

SE 30030Cb:

Chaerephon pumilus (Cretzschmar, 1826):
TM: 30697, 33362, 33363, 33364, 33365.
Epomophorus crypturus Peters, 1852:
AMNH: 81863.
Epomophorus wahlbergi (Sundevall, 1846):
CUMV: 13162. - **DNSM:** 13323, 5052.
Hipposideros caffer (Sundevall, 1846):
AMNH: 243854, 81867, 81868, 81869, 81887, 81888.
Miniopterus fraterculus Thomas and Schwann, 1906:
TM: 29788, 29791.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 81865. - **TM:** 28832, 28835, 29795, 29803, 29804, 29809, 29810, 29815.
Myotis tricolor (Temminck, 1832):
TM: 28833, 28837, 29325, 29790, 29793, 29796, 29797, 29798, 29799, 29806, 29808, 29811, 29813, 34344.
Neoromicia capensis (A. Smith, 1829):
AMNH: 81866.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 29800, 29807, 29812.
Rhinolophus simulator K. Andersen, 1904:
TM: 28834, 28836, 29787, 29789, 29792, 29801, 29805, 29814.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 81885, 81886. - **TM:** 34150, 34345, 41050.

Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
AMNH: 81864

SE 30030Cd:

Chaerephon pumilus (Cretzschmar, 1826):
FMNH: 152979, 152980, 152981, 152982, 152983, 152984, 152985, 152986, 152987.
Epomophorus wahlbergi (Sundevall, 1846):
FMNH: 152318, 152319, 152320, 152321, 152322, 152323, 152324, 152325, 152326, 152327, 152328, 152329, 152330, 152331, 152332, 152333, 152334, 152335, 152336, 152337, 152338, 152339, 152340, 152341, 152342, 152343, 152344, 152345, 152346. - **WNMU:** 6023, 6024, 6027, 6028, 6043, 6044, 6046, 6047, 6053, 6054, 6055, 6056, 6057, 6059.
Kerivoula argentata Tomes, 1861:
FMNH: 152687.
Otomops martiensseni (Matschie, 1897):
HZM: 3.3077, 4.3078.
Rhinolophus simulator K. Andersen, 1904:
FMNH: 152607.
Scotophilus dinganii (A. Smith, 1833):
FMNH: 152822, 152823, 152824

SE 30030Ba:

Epomophorus wahlbergi (Sundevall, 1846):
ZMA: MAM.23565, MAM.24416, MAM.24418, MAM.24423

SE 30030Bc:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 8030. - **KU:** 135882, 135883, 135884, 135885. - **TM:** 42630, 42631, 42632, 42633.
Epomophorus Bennett, 1836:
ZMA: MAM.23624, MAM.23625, MAM.23641, MAM.23665, MAM.23678, MAM.23684, MAM.23685, MAM.23689.
Epomophorus crypturus Peters, 1852:
CM: 40968, 40970.
Epomophorus wahlbergi (Sundevall, 1846):
CM: 40966, 40967, 40969. - **DNSM:** 13315. - **TM:** 43853. - **ZMA:** MAM.23564, MAM.23567, MAM.23569, MAM.23575, MAM.23577, MAM.23578, MAM.23590, MAM.23591, MAM.23592, MAM.23593, MAM.23594, MAM.23595, MAM.23596, MAM.23597, MAM.23598, MAM.23599, MAM.23600, MAM.23601, MAM.23602, MAM.23603, MAM.23604, MAM.23605, MAM.23606, MAM.23607, MAM.23608, MAM.23609, MAM.23610, MAM.23611, MAM.23612, MAM.23613, MAM.23614, MAM.23615, MAM.23616, MAM.23617, MAM.23618, MAM.23619, MAM.23620, MAM.23621, MAM.23622, MAM.23623, MAM.23626, MAM.23627, MAM.23628, MAM.23629, MAM.23630, MAM.23631, MAM.23632, MAM.23633, MAM.23634, MAM.23635, MAM.23636, MAM.23637, MAM.23638, MAM.23639, MAM.23640, MAM.23642, MAM.23643, MAM.23644, MAM.23645, MAM.23646, MAM.23647, MAM.23648, MAM.23649, MAM.23650, MAM.23651, MAM.23652, MAM.23653, MAM.23655, MAM.23656, MAM.23657, MAM.23658, MAM.23659, MAM.23660, MAM.23661, MAM.23662, MAM.23663, MAM.23664, MAM.23666, MAM.23667, MAM.23668, MAM.23669, MAM.23670, MAM.23671, MAM.23672, MAM.23673, MAM.23674, MAM.23675, MAM.23676, MAM.23677, MAM.23679, MAM.23680, MAM.23681, MAM.23682, MAM.23683, MAM.23686, MAM.23687, MAM.23688, MAM.23690, MAM.23691, MAM.23692, MAM.23693, MAM.23694, MAM.23695, MAM.23696, MAM.23697, MAM.23698, MAM.23699, MAM.23700, MAM.23701, MAM.23702, MAM.23703, MAM.23704, MAM.23705, MAM.23706, MAM.23707, MAM.23708, MAM.23709, MAM.23710, MAM.24419, MAM.24420.
Hipposideros caffer (Sundevall, 1846):
DNSM: 5043, 5076, 5077. - **KU:** 135014, 135858, 135859, 135860. - **TM:** 29794, 29802, 42504.
Kerivoula argentata Tomes, 1861:
KU: 135875.
Neoromicia nana (Peters, 1852):
CM: 41016, 41017, 41018, 41020, 41021. - **DNSM:** 5365, 5402, 7012. - **KU:** 135863, 139564. - **TM:** 30124, 30134, 30135, 30137, 30141.
Nycteris hispida (Schreber, 1774):
KU: 135028.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 4139, 4221, 4222, 5045, 5047, 5049, 5439, 5440, 5441. - **KU:** 135871.
Otomops martiensseni (Matschie, 1897):
DNSM: 5605, 8031, 8032.
Pipistrellus hesperidus (Temminck, 1840):
CM: 41057, 41058, 41060.
Pipistrellus hesperidus broomi Roberts, 1948:
KU: 135861.
Rhinolophus simulator K. Andersen, 1904:
DNSM: 4739, 4740, 5078, 5079, 5080, 5442, 5443.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 2001. - **KU:** 135015

SE 30030Da:

Neoromicia nana (Peters, 1852):
DNSM: 6908

SE 30030Bb:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 13091, 13092, 13093, 13094, 13096, 13335, 13344, 13361, 3559, 3887, 5740, 6003, 6369, 680, 711, 7229, 7231, 7244, 7245, 7246, 7377, 7378, 7398, 7401, 7905, 7913, 8003.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 13084, 13314, 13321, 3494, 5109, 5110, 5111, 54, 5633, 6913, 712, 7376, 7404. - **ZMA:** MAM.21156, MAM.21157, MAM.21158, MAM.21159, MAM.23566, MAM.23568, MAM.23572, MAM.23576, MAM.23579, MAM.23580, MAM.23583, MAM.23584, MAM.23585, MAM.23586, MAM.23587, MAM.23588, MAM.24421, MAM.24422, MAM.24489, MAM.24490.
Hypsugo anchietae (Seabra, 1900):
DNSM: 5358, 5377.
Kerivoula argentata Tomes, 1861:
AMNH: 81889.
Miniopterus fraterculus Thomas and Schwann, 1906:
DNSM: 5604.
Miniopterus natalensis (A. Smith, 1833):
DNSM: 13359, 7232, 85.
Neoromicia capensis (A. Smith, 1829):
DNSM: 13106, 13131, 13139, 13355, 13358, 7426.
Neoromicia nana (Peters, 1852):
BMNH: 1917.10.3.10, 1917.10.3.5, 1917.10.3.6. - **DNSM:** 13102, 13130, 13364, 13365, 37, 5373, 7230, 7915.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 7430.
Otomops martiensseni (Matschie, 1897):
DNSM: 13086, 13330, 13332, 3885, 3886, 3974, 6220, 6238, 7914.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 13346, 13347, 13348, 7429, 7516, 7834.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
ZMA: MAM.21155.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 13107, 13144, 13324, 13325, 13326, 13328, 2448, 5081, 5082, 5741, 6366, 7024, 7431.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
DNSM: 13336

SE 30030Bd:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 100, 13334, 13337, 13339, 13340, 13341, 13342, 4298, 6437, 715, 716, 96, 97, 98, 99.
Epomophorus wahlbergi (Sundevall, 1846):
DNSM: 13316. - **TM:** 38547. - **ZMA:** MAM.23570, MAM.23571, MAM.23574, MAM.23589.
Neoromicia Roberts, 1926:
DNSM: 13137.
Neoromicia nana (Peters, 1852):
DNSM: 5404, 7014.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 109, 110, 111

SE 31018Aa:

Neoromicia capensis (A. Smith, 1829):
KM: 2084.
Rhinolophus capensis Lichtenstein, 1823:
KM: 1772

SE 31018Cc:

Neoromicia capensis (A. Smith, 1829):
KM: 29017.
Rhinolophus capensis Lichtenstein, 1823:
KM: 28938

SE 31018Dc:

Miniopterus natalensis (A. Smith, 1833):
USNM: 342642.
Rhinolophus Lacépède, 1799:
TM: 43119.
Rhinolophus capensis Lichtenstein, 1823:
TM: 2268, 2274, 2275, 43103, 43104.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 2269, 2270, 2276.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 2287

SE 31019Da:

Rhinolophus clivosus Cretzschmar, 1828:
USNM: 575254

SE 31020Cb:

Neoromicia capensis (A. Smith, 1829):
KM: 12724.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 29023

SE 31020Bc:

Neoromicia capensis (A. Smith, 1829):
KM: 28985, 28986, 28990, 28991, 28994, 28995

SE 31021Ad:

Neoromicia capensis (A. Smith, 1829):
MMK: MAM/2483

SE 31021Ba:

Neoromicia capensis (A. Smith, 1829):
TM: 27363, 27364, 27365, 27366, 27367, 27368, 27369, 27370

SE 31021Bc:

Eidolon helvum (Kerr, 1792):
DNSM: 11486

SE 31023Ac:

Neoromicia capensis (A. Smith, 1829):
KM: 24571.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 24766.
Tadarida aegyptiaca bocagei (Seabra, 1900):
AMNH: 244308, 244309, 244310

SE 31023Dc:

Neoromicia capensis (A. Smith, 1829):
KM: 24511, 24512, 24513, 24514, 24515, 24516, 24517, 24518, 24532, 24534, 24535, 24536, 24537, 24538, 24539, 24663

SE 31023Bb:

Neoromicia capensis (A. Smith, 1829):
KM: 11100

SE 31024Ab:

Neoromicia capensis (A. Smith, 1829):
NMB: 8623, 8624, 8626.
Vespertilioninae Gray, 1821:
SAMC: 7378

SE 31024Da:

Neoromicia capensis (A. Smith, 1829):
MVZ: 125932, 125933

SE 31024Dd:

Neoromicia capensis (A. Smith, 1829):
USNM: 344275, 344276, 344277, 344278, 344279, 344280

SE 31025Bc:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 25648

SE 31026Ad:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 25040

SE 31026Bc:

Rhinolophus Lacépède, 1799:
KM: 25504

SE 31026Dc:

Rhinolophus clivosus Cretzschmar, 1828:
NMB: 5507, 5509

SE 31026Bb:

Neoromicia capensis (A. Smith, 1829):
NMB: 4998, 5002, 5009, 5013, 5017, 5021, 5025

SE 31026Bd:

Neoromicia capensis (A. Smith, 1829):
NMB: 5127.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NMB: 5077, 5128

SE 31027Ca:

Neoromicia capensis (A. Smith, 1829):
NMB: 5814, 5815, 5816

SE 31027Ab:

Neoromicia capensis (A. Smith, 1829):
KM: 25021.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 25016.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 25022. - **NMB:** 4589

SE 31027Bd:

Neoromicia capensis (A. Smith, 1829):
NMB: 4674, 4675

SE 31027Db:

Epomophorus wahlbergi (Sundevall, 1846):
KM: 20540

SE 31028Ac:

Neoromicia capensis (A. Smith, 1829):
NMB: 4918

SE 31028Ba:

Neoromicia capensis (A. Smith, 1829):
NMB: 5634

SE 31028Db:

Epomophorus wahlbergi (Sundevall, 1846):
SAMC: 13351.
Myotis tricolor (Temminck, 1832):
KM: 26137

SE 31028Dd:

Epomophorus wahlbergi (Sundevall, 1846):
KM: 32574.
Myotis tricolor (Temminck, 1832):
TM: 42687

SE 31029Ca:

Hipposideros caffer (Sundevall, 1846):
TM: 1046, 41014.
Neoromicia nana (Peters, 1852):
TM: 1079

SE 31029Cc:

Pipistrellus hesperidus (Temminck, 1840):
TM: 1073

SE 31029Cd:

Neoromicia capensis (A. Smith, 1829):
TM: 3023.
Neoromicia nana (Peters, 1852):
KM: 26146.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 26113.
Scotophilus dinganii (A. Smith, 1833):
KM: 26150

SE 31029Bc:

Neoromicia capensis (A. Smith, 1829):
KM: 31229.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1902.6.2.4, 1903.6.2.3. - **KM:** 31228. - **TM:** 1028, 1029, 1031, 1032, 7801.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 26111.
Scotophilus dinganii (A. Smith, 1833):
KM: 31242

SE 31029Da:

Epomophorus wahlbergi (Sundevall, 1846):
KM: 1596. - **SAMC:** 5545. - **TM:** 1062, 1063, 982.
Hipposideros caffer (Sundevall, 1846):
SAMC: 5574. - **TM:** 7804, 7805, 7806, 7807, 7808, 7809.
Neoromicia nana (Peters, 1852):
KM: 1905. - **SAMC:** 5599. - **TM:** 10023, 1074, 1075, 1076, 1077, 1078, 12361, 12362, 12363, 12364, 12365, 12366, 12367, 12368, 12369, 12370, 4636, 9993.
Nycteris hispida (Schreber, 1774):
SAMC: 5444.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 1030.
Pipistrellus hesperidus (Temminck, 1840):
KM: 26140.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 1018.
Rhinolophus swinnyi Gough, 1908:
NHMZ: 60555. - **TM:** 1023, 1024, 1025, 1026, 1154, 7802, 7803.
Scotophilus dinganii (A. Smith, 1833):
SAMC: 6853, 6858

SE 31030Aa:

Chaerephon pumilus (Cretzschmar, 1826):
DNSM: 13402.
Hipposideros caffer (Sundevall, 1846):
DNSM: 5457, 5458.
Hypsugo anchietae (Seabra, 1900):
DNSM: 13403.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
DNSM: 5071, 5455.
Pipistrellus hesperidus (Temminck, 1840):
DNSM: 13345, 13401.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 13404.
Rhinolophus swinnyi Gough, 1908:
DNSM: 5456.
Scotophilus dinganii (A. Smith, 1833):
DNSM: 1161, 1162, 1163

SE 31030Ac:

Epomophorus wahlbergi (Sundevall, 1846):
TM: 41180

SE 32018Ab:

Neoromicia capensis (A. Smith, 1829):
CM: 41036, 41037, 41038, 41039, 41040, 41042, 41043, 41044, 41045. - **HZM:** 40.4741. - **KM:** 2093. - **MCZ:** 37224, 37225. - **TM:** 39387, 39388, 39389, 39396, 39397, 39398, 39399, 39400, 39401, 39402.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 1722.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 1807.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 2542

SE 32018Cb:

Cistugo lesueuri Roberts, 1919:
KM: 26055.
Eptesicus hottentotus (A. Smith, 1833):
KM: 26035.
Vespertilioninae Gray, 1821:
SAMC: 38556, 38557

SE 32018Cd:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 5508.
Neoromicia capensis (A. Smith, 1829):
DNSM: 7192, 7193, 7196, 7199, 7200, 7204, 7205, 7206, 7207, 7208. - **TM:** 2280, 2281, 2283, 2284

SE 32018Da:

Neoromicia capensis (A. Smith, 1829):
KM: 29004, 29005, 29007, 29009, 29010, 29011

SE 32018Dc:

Neoromicia capensis (A. Smith, 1829):
KM: 30185.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 28913.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 28957

SE 32018Bb:

Tadarida aegyptiaca bocagei (Seabra, 1900):
AMNH: 244307

SE 32018Bd:

Neoromicia capensis (A. Smith, 1829):
MMK: MAM/7036, MAM/7037

SE 32018Db:

Rhinolophus capensis Lichtenstein, 1823:
KM: 1824. - **MCZ:** 37226, 37227

SE 32019Aa:

Eptesicus hottentotus (A. Smith, 1833):
SAMC: 41416. - **TM:** 47702.
Miniopterus natalensis (A. Smith, 1833):
TM: 47703.
Neoromicia capensis (A. Smith, 1829):
KM: 2090. - **SAMC:** 41457.
Sauromys petrophilus (Roberts, 1917):
TM: 47570, 47571, 47572, 47573.

Sauromys petrophilus umbratus (Shortridge & Carter, 1938):
KM: 2827.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 47569

SE 32019Ac:

CHIROPTERA Blumenbach, 1779:
SAMC: 5449.
Cistugo lesueuri Roberts, 1919:
MMK: MAM/2496. - **SAMC:** 41458. - **TM:** 35121, 35152, 35172, 38422, 38423, 38424, 38428.
Eptesicus hottentotus (A. Smith, 1833):
CM: 94998, 94999, 95000. - **SAMC:** 41418, 41419. - **TM:** 35150, 38411, 38412, 40630, 40631.
Laephotis namibensis Setzer, 1971:
SAMC: 41415, 41417. - **TM:** 28316, 38426.
Miniopterus natalensis (A. Smith, 1833):
TM: 35149, 38421.
Myotis tricolor (Temminck, 1832):
SAMC: 41451.
Neoromicia capensis (A. Smith, 1829):
CM: 94988, 94990. - **SAMC:** 41452. - **TM:** 35095, 35105, 38413, 38414, 38434, 38435, 40632.
Sauromys petrophilus (Roberts, 1917):
KM: TAD080, TAD081, TAD082. - **TM:** 28297, 28298, 28299, 28300, 28302, 28303, 28317, 28318, 28319, 28341, 28344, 28362, 29364, 35106, 35107, 35108, 35141, 35142, 35151, 35154, 35155, 35156, 35157, 35158, 38406, 38407, 38408, 38409, 38410, 38433, 40603, 40604, 40606, 40616.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 28340, 28342, 28343, 28361, 35051, 35083, 35086, 35122, 35153, 35171, 35173, 38429, 38430, 38431, 38432, 40605, 40617, 40618, 40619, 40620, 40621, 40622

SE 32019Bd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MMK: MAM/7038

SE 32022Ba:

Neoromicia capensis (A. Smith, 1829):
DNSM: 4082

SE 32022Bc:

Cistugo lesueuri Roberts, 1919:
TM: 29511.
Neoromicia capensis (A. Smith, 1829):
TM: 29512, 29513, 29531, 29604, 29613, 29614

SE 32023Ad:

Neoromicia capensis (A. Smith, 1829):
KM: 24659.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 24646, 24657

SE 32024Aa:

Neoromicia capensis (A. Smith, 1829):
MVZ: 117192.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 24673

SE 32024Bd:

Miniopterus natalensis (A. Smith, 1833):
USNM: 424105.
Neoromicia capensis (A. Smith, 1829):
USNM: 424102, 424103.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
USNM: 424101

SE 32024Dd:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 451062

SE 32025Cc:

Neoromicia capensis (A. Smith, 1829):
DNSM: 7082, 7083

SE 32025Cb:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 28586, 28598, 28633, 28634

SE 32025Ba:

Neoromicia capensis (A. Smith, 1829):
CM: 41025, 41026, 41027, 41028, 41029, 41031, 41032, 41033, 41034, 41035

SE 32025Bd:

CHIROPTERA Blumenbach, 1779:
SAMC: 38558.
Neoromicia capensis (A. Smith, 1829):
NHMZ: 63209.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1904.2.3.4, 1904.2.3.5

SE 32026Aa:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
NM: 106, 688

SE 32026Ca:

Epomophorus wahlbergi (Sundevall, 1846):
KM: 32572.
Kerivoula lanosa (A. Smith, 1847):
KM: 32617.
Neoromicia capensis (A. Smith, 1829):
MCZ: 37059.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: 32580

SE 32026Cc:

Scotophilus dinganii (A. Smith, 1833):
KM: 2403.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 2552. - **NHMZ:** 62875

SE 32026Ba:

Cistugo lesueuri Roberts, 1919:
KM: 2024, 2025, 2026, 2028, 2029, 2032, 2041, 2042, 2051, 2052.
Neoromicia capensis (A. Smith, 1829):
KM: 20188, 2022, 2035, 2036

SE 32026Da:

Neoromicia capensis (A. Smith, 1829):
KM: 24933, 8936

SE 32026Dc:

Pipistrellus hesperidus (Temminck, 1840):
CM: 41061.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 1735

SE 32026Dd:

Epomophorus wahlbergi (Sundevall, 1846):
KM: 1591, 1606.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 4557

SE 32027Aa:

Eidolon helvum (Kerr, 1792):
SAMC: 8221

SE 32027Ac:

Neoromicia capensis (A. Smith, 1829):
AMNH: 244303, 244304, 244305

SE 32027Cc:

Kerivoula lanosa (A. Smith, 1847):
KM: 1948.
Neoromicia capensis (A. Smith, 1829):
USNM: 344283.
Rhinolophus swinnyi Gough, 1908:
SAMC: 12953a

SE 32027Ad:

Rhinolophus swinnyi Gough, 1908:
KM: 1760

SE 32027Cb:

Epomophorus wahlbergi (Sundevall, 1846):
KM: 19272, 32549.
Miniopterus fraterculus Thomas and Schwann, 1906:
KM: 31807.
Miniopterus natalensis (A. Smith, 1833):
USNM: 344272.
Neoromicia capensis (A. Smith, 1829):
KM: 19632.
Rhinolophus clivosus Cretzschmar, 1828:
AMNH: 115824. - **KM:** 19607. - **TM:** 40507, 40508. - **USNM:** 344269.
Rhinolophus darlingi K. Andersen, 1905:
TM: 36579.
Rhinolophus swinnyi Gough, 1908:
AMNH: 115825, 115826, 115827, 115828, 115829. - **DNSM:** 15018. - **KM:** 24299. - **TM:** 36580, 36581, 36582, 36583, 36584, 40503, 40504, 40505, 40506. - **USNM:** 344268.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 146781.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 19089

SE 32027Cd:

Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 115818, 146783. - **CM:** 89618. - **HZM:** 20.4726. - **KM:** 11538, 12605, 1616, 1618, 1623, 1626, 1629, 1632, 1635, 19170, 24180, 24183, 24186, 7969, 7970, 7972. - **MCZ:** 37038, 37039, 37040. - **MSB:** 47955. - **SAMC:** 37069. - **TTU:** 36636.
Kerivoula lanosa (A. Smith, 1847):
KM: 32615. - **NHMZ:** 63283. - **SAMC:** 10112A, 10112B, 10112C, 10112D, 10112E.
Miniopterus natalensis (A. Smith, 1833):
AMNH: 146785, 146786. - **KM:** 24396. - **MCZ:** 37044, 37045, 37046, 37047.
Myotis tricolor (Temminck, 1832):
AMNH: 146789. - **KM:** 31982. - **NHMZ:** 63130.
Neoromicia capensis (A. Smith, 1829):
AMNH: 146790, 168166. - **BMNH:** 1925.7.9.4. - **KM:** 13280, 18135, 19297, 19369, 19374, 1998, 1999, 2003, 2004, 2005, 2006, 2007, 24306, 24307, 24308. - **MCZ:** 37056, 37057, 37058. - **NHMZ:** 63519. - **SAMC:** 10281, 10282. - **USNM:** 344282.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 7978.
Rhinolophus clivosus Cretzschmar, 1828:
AMNH: 168148. - **KM:** 1737. - **NHMZ:** 62194. - **USNM:** 344270, 344271.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KM: 1576.
Scotophilus dinganii (A. Smith, 1833):
AMNH: 146788. - **BMNH:** 1925.7.9.1. - **KM:** 2410. - **MCZ:** 37041, 37042. - **SAMC:** 19147.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
MCZ: 37035, 37036, 37037, 37043. - **SAMC:** 13355.
Tadarida aegyptiaca aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
AMNH: 146787

SE 32027Da:

Miniopterus natalensis (A. Smith, 1833):
KM: 20075.
Neoromicia capensis (A. Smith, 1829):
KM: 7591.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 19179.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KM: 1575

SE 32028Bb:

Neoromicia capensis (A. Smith, 1829):
KM: 26123

SE 32028Bd:

Pipistrellus hesperidus (Temminck, 1840):
KM: 26141

SE 33018Aa:

Neoromicia capensis (A. Smith, 1829):
TM: 41959.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 41559.
Rhinolophus capensis Lichtenstein, 1823:
TM: 2277, 2278, 2279, 41560.
Rhinolophus clivosus Cretzschmar, 1828:
DNSM: 12399, 12402, 12407, 12408. - **TM:** 41470, 41472.
Rhinolophus damarensis Roberts, 1946:
DNSM: 12396.
Rhinolophus denti Thomas, 1904:
DNSM: 12405, 12409.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 40847, 40849

SE 33018Cd:

CHIROPTERA Blumenbach, 1779:
MCZ: 4553.
Eptesicus hottentotus (A. Smith, 1833):
SAMC: 37065.
Miniopterus natalensis (A. Smith, 1833):
MCZ: 4554.
Neoromicia capensis (A. Smith, 1829):
MCZ: 4555.
Rhinolophus clivosus Cretzschmar, 1828:
MSNG: 44467. - **SAMC:** 33493.
Rhinolophus damarensis Roberts, 1946:
USNM: 545222.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1875.11.3.2, 1875.8.9.1, 1937.4.28.33, 1937.4.28.34, 1937.4.28.38, 1937.4.28.40, 1937.4.28.67. - **KU:** 163982. - **SMF:** 22015, 22016, 22017, 22018, 22019, 22020.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 13087

SE 34018Ab:

Eptesicus hottentotus (A. Smith, 1833):
SAMC: UCT-5/8/1966.
Miniopterus natalensis (A. Smith, 1833):
TM: 13747, 13748, 13749.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
NHMZ: 62006. - **SAMC:** 19451a

SE 33018Dc:

Rhinolophus clivosus Cretzschmar, 1828:
AMNH: 244298

SE 33018Bd:

Neoromicia capensis (A. Smith, 1829):
DNSM: 87

SE 33018Dd:

Cistugo lesueuri Roberts, 1919:
KM: MYO-001J.
Neoromicia capensis (A. Smith, 1829):
TM: 47691.
Rhinolophus clivosus Cretzschmar, 1828:
SAMC: 10306.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
AMNH: 244294, 244295. - **DNSM:** 5492, 5493, 5494, 5495

SE 34018Bb:

Neoromicia capensis (A. Smith, 1829):
CM: 94991, 94992, 94993, 94994. - **TM:** 40550, 40557, 40558, 40559

SE 33019Cc:

Neoromicia capensis (A. Smith, 1829):
TM: 2282, 2285.
Rhinolophus capensis Lichtenstein, 1823:
TM: 2273.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 2267, 2271, 2272

SE 33019Ad:

Sauromys petrophilus (Roberts, 1917):
KM: TAD083. - **TM:** 8968, 8969

SE 33019Cb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
SAMC: 37074

SE 33019Da:

Eptesicus hottentotus (A. Smith, 1833):
KM: 1984, 1985

SE 33019Dd:

Neoromicia capensis (A. Smith, 1829):
DNSM: 7194, 7195, 7197, 7198, 7202, 7203.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 32597

SE 33020Cc:

Miniopterus natalensis (A. Smith, 1833):
KM: 30839. - **SAMC:** 14563d.
Myotis tricolor (Temminck, 1832):
KM: 30866. - **SAMC:** 14564.
Rhinolophus capensis Lichtenstein, 1823:
MCZ: 17899, 17900. - **SAMC:** 14559.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 30835

SE 33020Ad:

Miniopterus natalensis (A. Smith, 1833):
USNM: 342646.
Neoromicia capensis (A. Smith, 1829):
USNM: 342603.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 342649

SE 33020Dd:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BRTC: 20889. - **TM:** 8977, 8978, 8979, 8980, 8982.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 8984, 8985, 8986

SE 33021Ca:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 29471

SE 33021Bc:

Neoromicia capensis (A. Smith, 1829):
KM: 29433, 29437, 29438, 29439, 29448

SE 33021Da:

Neoromicia capensis (A. Smith, 1829):
KM: 29453, 29454, 29455, 29462, 29463

SE 33021Bb:

Epomophorus wahlbergi (Sundevall, 1846):
KM: 20537.
Miniopterus natalensis (A. Smith, 1833):
KM: 24317.
Myotis tricolor (Temminck, 1832):
KM: 24310.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KM: 19090

SE 33021Bd:

VESPERTILIONIDAE Gray, 1821:
SAMC: 40796

SE 33021Db:

Cistugo lesueuri Roberts, 1919:
SAMC: GB-16/00.
Miniopterus natalensis (A. Smith, 1833):
SAMC: GB-15/00, GB-23/00.
VESPERTILIONIDAE Gray, 1821:
SAMC: GB-17/00

SE 33022Ac:

Neoromicia capensis (A. Smith, 1829):
KM: 29798.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 29787

SE 33022Cb:

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
TM: 13521, 13522, 13523, 13524, 13525, 13526

SE 33022Da:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 29732

SE 33022Dc:

CHIROPTERA Blumenbach, 1779:
SAMC: 38560.
Cistugo lesueuri Roberts, 1919:
TM: 29310.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 33451, 33452.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 30698, 30699, 30700, 30701, 30702, 30703, 30704, 30705, 30706, 30707

SE 33022Dd:

Rhinolophus clivosus Cretzschmar, 1828:
ZMA: MAM.09009

SE 33023Ca:

Rhinolophus clivosus Cretzschmar, 1828:
KM: 23872

SE 33023Cc:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 32274, 32275, 32276, 32277

SE 33023Ab:

Neoromicia capensis (A. Smith, 1829):
USNM: 342589, 342590, 342591, 342592, 342593, 342594, 342595, 342596, 342597, 342598, 342599, 342615, 342616, 342617, 342618, 342619.
Rhinolophus capensis Lichtenstein, 1823:
USNM: 342583, 342584, 342585, 342586, 342587, 342588.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
USNM: 342648

SE 33023Dc:

Miniopterus natalensis (A. Smith, 1833):
KM: 23873.
Neoromicia capensis (A. Smith, 1829):
CM: 94995, 94996, 94997. - **KM:** 24811. - **TM:** 40524, 40525, 40526, 40527.
Rhinolophus capensis Lichtenstein, 1823:
KM: 23852.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 23860.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KM: 26320.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 24812

SE 33023Dd:

Miniopterus natalensis (A. Smith, 1833):
TM: 25327.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 29757, 29758, 29759, 29760, 29761, 29762, 2977, 29771, 29772, 29773, 29778, 29779, 29780, 29781

SE 34023Bb:

Rhinolophus capensis Lichtenstein, 1823:
NHMZ: 62158

SE 33024Ac:

Neoromicia capensis (A. Smith, 1829):
TM: 6652.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
TM: 6654, 6655, 6656, 6657, 6658, 6659, 6660, 6661, 6662, 6663.
Rhinolophus capensis Lichtenstein, 1823:
TM: 6653

SE 33024Dd:

Miniopterus natalensis (A. Smith, 1833):
KM: 21183.
Rhinolophus capensis Lichtenstein, 1823:
KM: 21166.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KM: 1603

SE 33025Cc:

Epomophorus wahlbergi (Sundevall, 1846):
AMNH: 168100, 168101.
Kerivoula lanosa (A. Smith, 1847):
HZM: 1.4736

SE 33025Ad:

Rhinolophus capensis Lichtenstein, 1823:
TM: 29063, 29064, 29065, 29066, 29067, 29069, 29070, 29072, 29077, 29079, 29080, 29081

SE 33025Cb:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 28630, 28631

SE 33025Cd:

Miniopterus natalensis (A. Smith, 1833):
MVZ: 117213, 117214, 117215, 117216, 117217, 117218, 117219, 117220, 117221, 117222, 117223, 117224, 117225, 117226, 117227, 117228, 117229, 117230, 117231, 117232, 117233.
Neoromicia capensis (A. Smith, 1829):
HZM: 39.4711. - **KM:** 19238.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 32598.
Rhinolophus capensis Lichtenstein, 1823:
MVZ: 117137.
Rhinolophus clivosus Cretzschmar, 1828:
MVZ: 117139, 117140, 117141, 117142, 117143, 117144, 117145, 117146, 117147, 117148, 117149, 117150, 117151, 117152, 117153, 117154, 117155, 117156, 117157

SE 33025Bc:

Miniopterus natalensis (A. Smith, 1833):
KM: 25640.
Rhinolophus capensis Lichtenstein, 1823:
KM: 25630.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 25631

SE 33025Dc:

Epomophorus crypturus Peters, 1852:
YPM: MAM 007552.
Epomophorus wahlbergi (Sundevall, 1846):
HZM: 19.4725, 21.4737, 22.4738. - **MVZ:** 117095, 117096, 117097, 117098.
Miniopterus fraterculus Thomas and Schwann, 1906:
AMNH: 168167.
Neoromicia capensis (A. Smith, 1829):
HZM: 38.4710. - **TM:** 39298.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MVZ: 117121. - **NMW:** 10322.
Rhinolophus capensis Lichtenstein, 1823:
MVZ: 117138.
Rhinolophus clivosus Cretzschmar, 1828:
AMNH: 168145, 168146

SE 33025Db:

Neoromicia capensis (A. Smith, 1829):
KM: 20064.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KM: 20056

SE 33026Ac:

Neoromicia capensis (A. Smith, 1829):
USNM: 344281.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
KM: 32581

SE 33026Ab:

Epomophorus wahlbergi (Sundevall, 1846):
SAMC: 385.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NHMZ: 59386.
Rhinolophus capensis Lichtenstein, 1823:
NHMZ: 62005

SE 33026Ad:

Miniopterus natalensis (A. Smith, 1833):
DNSM: 13283, 13284, 13285, 13286, 13287, 13288, 13289, 13290, 13291, 13292, 13293, 13294, 13295, 13296, 13297, 13298, 13299, 13300, 13301, 13302.
Neoromicia capensis (A. Smith, 1829):
KM: 2019.
Rhinolophus capensis Lichtenstein, 1823:
NHMZ: 62159.
Scotophilus dinganii (A. Smith, 1833):
KM: 2406.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 6836

SE 33026Ba:

Rousettus Gray, 1821:
MCZ: 25158.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
TM: 42538

SE 33026Bc:

Epomophorus wahlbergi (Sundevall, 1846):
BMNH: 1897.11.5.38, 1897.11.5.39. - **KM:** 32552. - **MCZ:** 25160, 25178, 25179, 25180. - **USNM:** 113452, 113453, 113454, 113455, 113456. - **ZMB:** 10014.
Miniopterus natalensis (A. Smith, 1833):
MNHN: ZM-MO-1997-1962.
Neoromicia capensis (A. Smith, 1829):
BMNH: 1848.6.12.18, 1849.8.16.21. - **MCZ:** 25176, 25177. - **MNHN:** ZM-MO-1997-1954. - **TM:** 43148.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
MCZ: 25162. - **MNHN:** ZM-MO-1999-911. - **TM:** 6664.
Rhinolophus capensis Lichtenstein, 1823:
TM: 43100, 43257.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
KM: 32579.
Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
DNSM: 3935. - **KM:** 32659. - **NHMZ:** 62004. - **ROM:** 28190, 31158.
Tadarida aegyptiaca bocagei (Seabra, 1900):
MCZ: 25173, 25174

SE 33026Bb:

Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
KM: 32586

SE 33026Db:

Miniopterus natalensis (A. Smith, 1833):
KM: 21112.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
NMW: 10321.
Rhinolophus capensis Lichtenstein, 1823:
KM: 31142.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 21105

SE 33027Aa:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 24407

SE 33027Bb:

Miniopterus natalensis (A. Smith, 1833):
MSB: 47957. - **TTU:** 36637.

Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
MSB: 47956. - **TM:** 34327. - **ZMA:** MAM.20708, MAM.20709, MAM.20710, MAM.20711

SE 34018Ab:

Cistugo lesueuri Roberts, 1919:
AMNH: 244302.
Eptesicus hottentotus (A. Smith, 1833):
TM: 34323.
Neoromicia capensis (A. Smith, 1829):
AMNH: 244306, 245404

SE 34019Ad:

Miniopterus natalensis (A. Smith, 1833):
TM: 42459

SE 34019Bd:

Miniopterus natalensis (A. Smith, 1833):
KM: 30484. - **NHMZ:** 63064.
Neoromicia capensis (A. Smith, 1829):
KM: 30858.
Rhinolophus capensis Lichtenstein, 1823:
SMF: 21318, 21319, 21320.
Rhinolophus clivosus Cretzschmar, 1828:
KM: 30468. - **NHMZ:** 62118

SE 34019Db:

Rhinolophus clivosus Cretzschmar, 1828:
TM: 8987

SE 34020Ca:

Rhinolophus capensis Lichtenstein, 1823:
SMF: 21314, 21315, 21316, 21317

SE 34020Ab:

Neoromicia capensis (A. Smith, 1829):
KM: 26329.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
BMNH: 1863.2.21.6

SE 34020Ad:

Miniopterus natalensis (A. Smith, 1833):
SAMC: 35669. - **USNM:** 342647. - **ZMA:** MAM.02767.
Myotis tricolor (Temminck, 1832):
MMK: MAM/2494. - **SAMC:** 35670. - **TM:** 40577, 40578.
Neoromicia capensis (A. Smith, 1829):
USNM: 342600, 342601, 342602, 342604, 342620, 342621, 342622, 342623, 342634.
Nycteris thebaica E. Geoffroy St.-Hilaire, 1818:
ZMA: MAM.02765.
Rhinolophus capensis Lichtenstein, 1823:
KU: 163985. - **SAMC:** 35665. - **TM:** 40566, 40567, 40568, 40569, 40570, 40571, 40573, 40574, 40575, 40576, 41471. - **ZMA:** MAM.02766.
Rhinolophus clivosus Cretzschmar, 1828:
SAMC: 35666. - **TM:** 29061, 29062, 29068, 29071, 29073, 29074, 29075, 29076, 29078, 29082, 29083, 29084, 29085, 40572

SE 34020Bb:

Rhinolophus capensis Lichtenstein, 1823:
TM: 41690.
Taphozous mauritianus E. Geoffroy St.-Hilaire, 1818:
SAMC: 34195

SE 34021Aa:

Tadarida aegyptiaca (E. Geoffroy St.-Hilaire, 1818):
KM: 29476

SE 34021Ad:

Neoromicia capensis (A. Smith, 1829):
TM: 8970, 8971, 8972, 8973, 8974, 8975, 8976.
Rhinolophus capensis Lichtenstein, 1823:
TM: 8983

SE 34023Aa:

Epomophorus wahlbergi (Sundevall, 1846):
KM: 26318.
Kerivoula lanosa (A. Smith, 1847):
KM: 32618. - **TM:** 1098.
Miniopterus fraterculus Thomas and Schwann, 1906:
BMNH: 1905.5.7.18, 1905.5.7.22. - **DNSM:** 8358, 8359. - **SAMC:** 8946. - **TM:** 1103, 1104.
Miniopterus natalensis (A. Smith, 1833):
TM: 1100, 1101, 1102.
Neoromicia capensis (A. Smith, 1829):
TM: 43146.
Rhinolophus capensis Lichtenstein, 1823:
MNHN: ZM-MO-1999-789. - **NRM:** |TS175|.
Rhinolophus clivosus Cretzschmar, 1828:
TM: 991, 992, 993, 994, 995. - **ZMA:** MAM.09010, MAM.09011.
Rousettus aegyptiacus (E. Geoffroy St.-Hilaire, 1810):
BMNH: 1905.5.7.10, 1905.5.7.11, 1905.5.7.12, 1905.5.7.5, 1905.5.7.6, 1905.5.7.7, 1905.5.7.8, 1905.5.7.9. - **KM:** 26322. - **NHMZ:** 29633. - **SAMC:** 10129. - **TM:** 1064, 1065, 1066, 1067, 1068, 16662, 16663, 984, 985, 986, 987, 988, 989

SE 34023Ab:

Rhinolophus clivosus Cretzschmar, 1828:
NHMZ: 64266. - **SAMC:** 10132

SE 34023Bb:

Rhinolophus clivosus Cretzschmar, 1828:
NMW: 26126, 26127, 26128, 26129, 26130, 26131, 26132

SE 34025Ba:

Miniopterus natalensis (A. Smith, 1833):
KM: 19408.
Neoromicia capensis (A. Smith, 1829):
DNSM: 4729.
Rhinolophus capensis Lichtenstein, 1823:
NHMZ: 59388

Appendix 2j: Accumulation curves

In this appendix, we illustrate the accumulation of species and specimens over the years in the various museum collections.

The first graph shows the details for all of the African bats recorded in our database, as far as their collection dates were available to us. The subsequent graphs show the details for the various museums, which are identified by their acronyms. For details on these acronyms see the appropriate appendix.

On each of the graphs, two lines are given:
The blue, uninterrupted line represents the species accumulation curve, indicating when a species was first collected for the specific museum.
The red, dotted line represents the specimens accumulation curve, indicating the years when specimens (identified to at least species level) were collected.

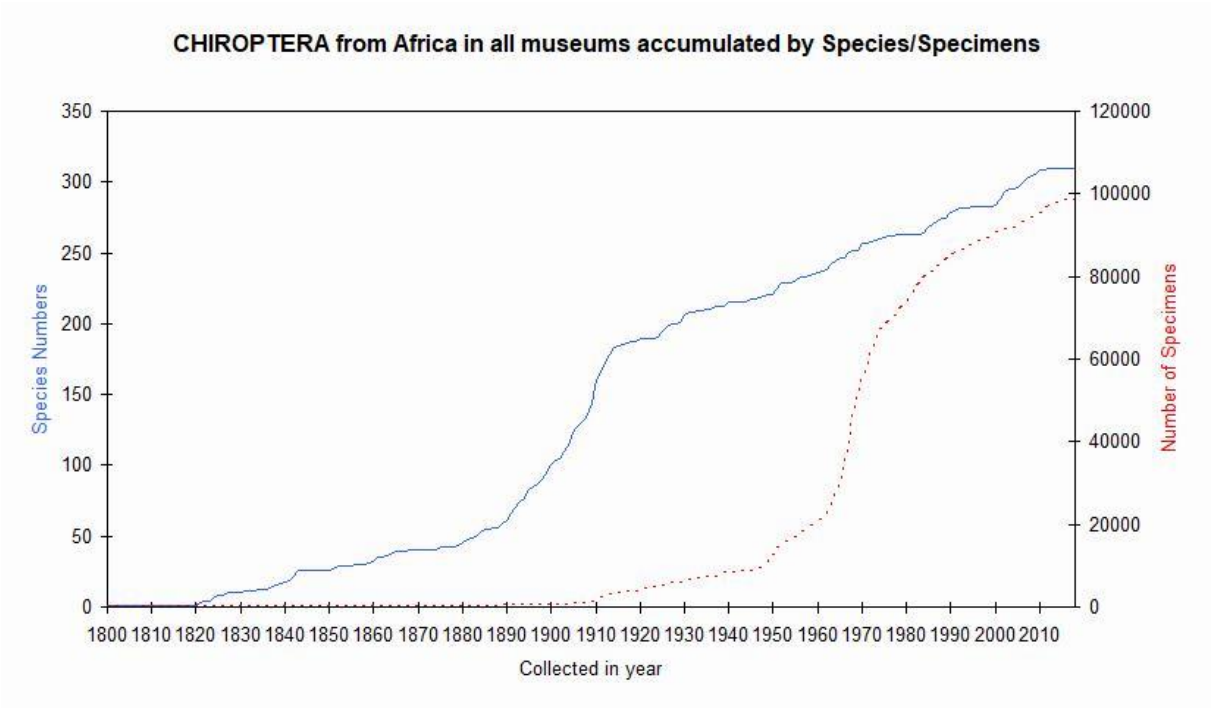

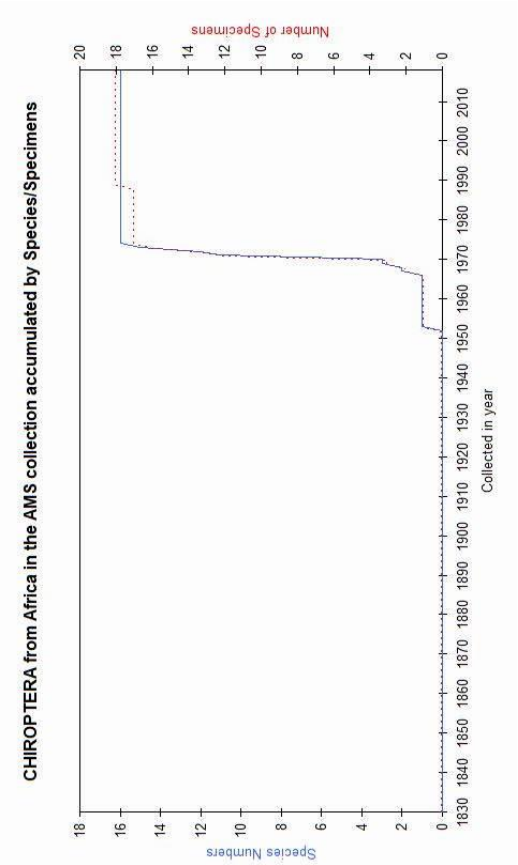
CHIROPTERA from Africa in the AMS collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

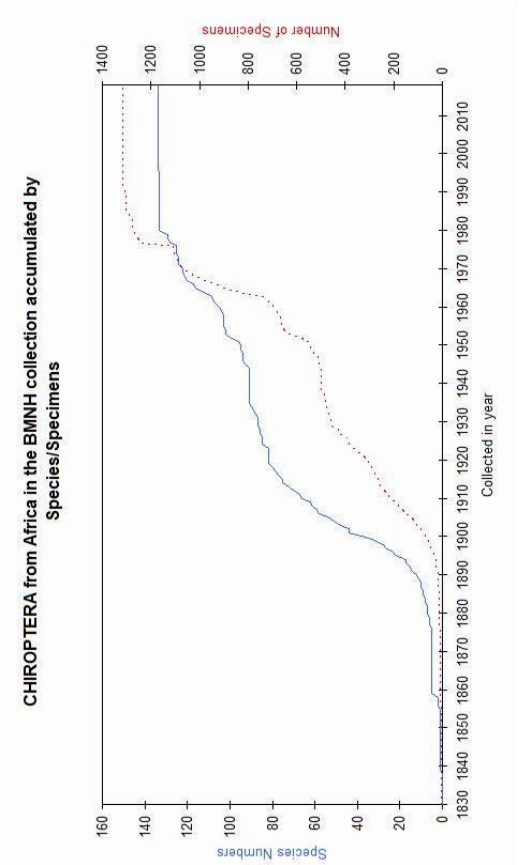
CHIROPTERA from Africa in the BMNH collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

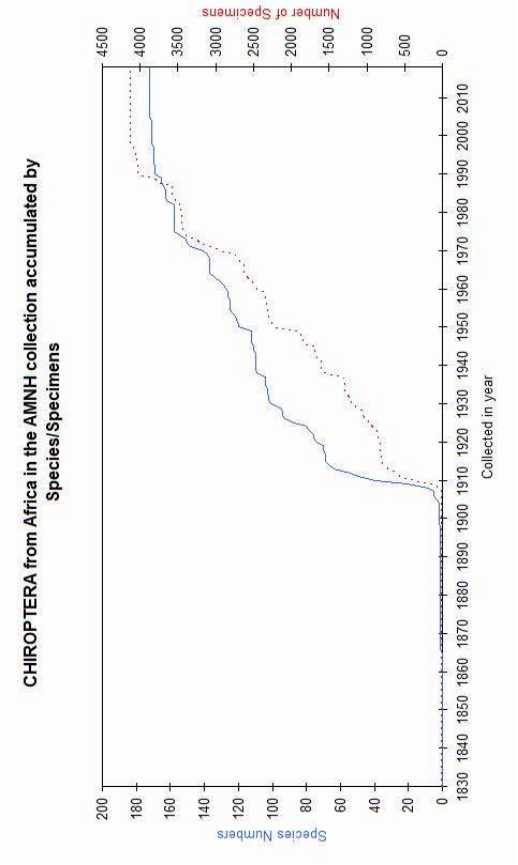
CHIROPTERA from Africa in the AMNH collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

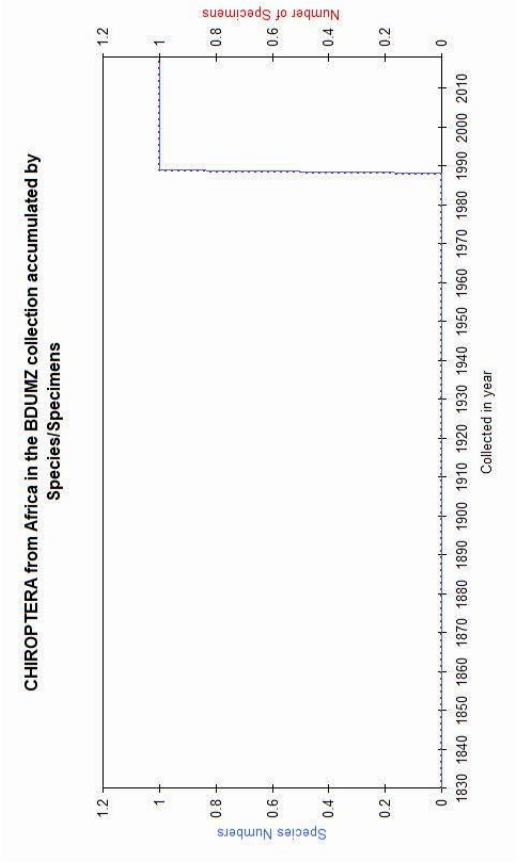
CHIROPTERA from Africa in the BDUMZ collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

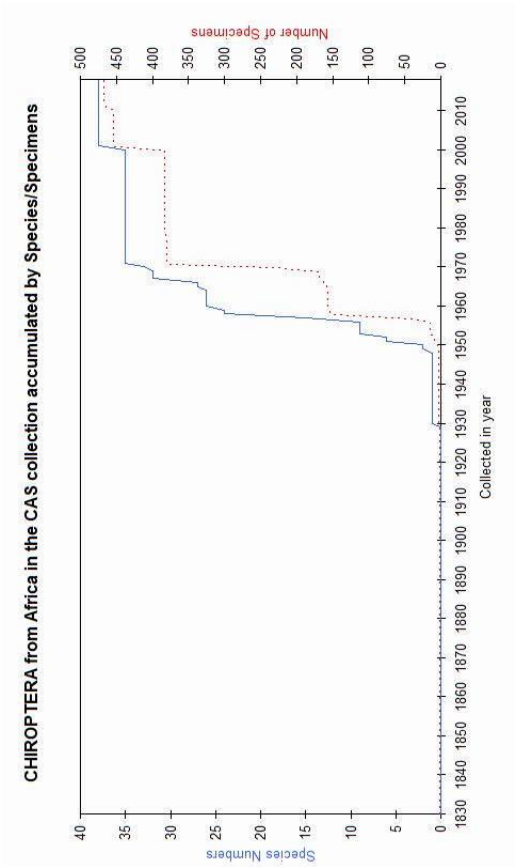
CHIROPTERA from Africa in the CAS collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

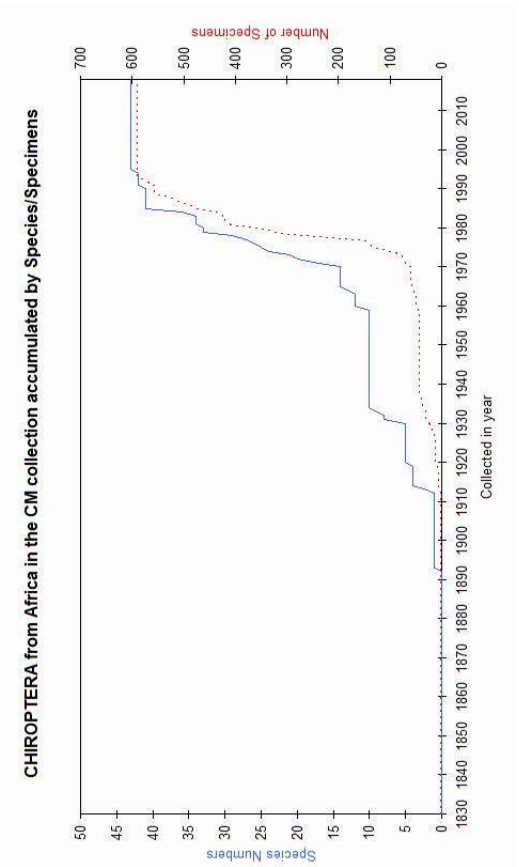
CHIROPTERA from Africa in the CM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

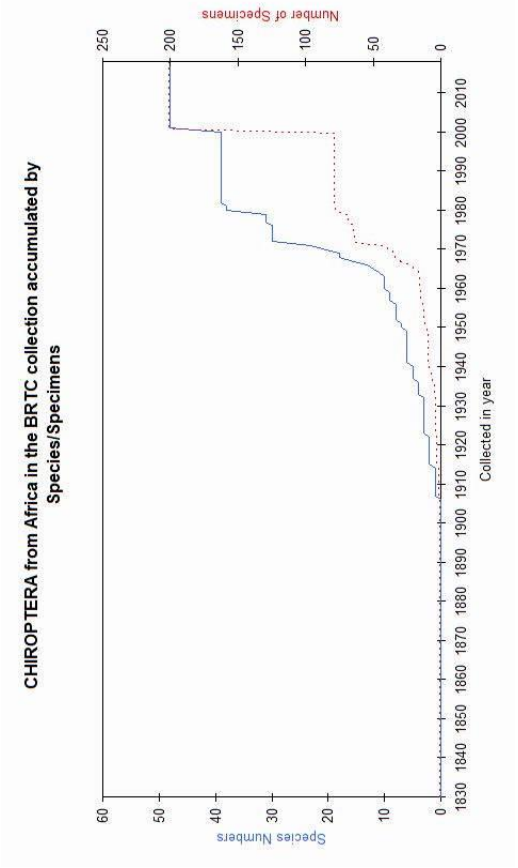
CHIROPTERA from Africa in the BRTC collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

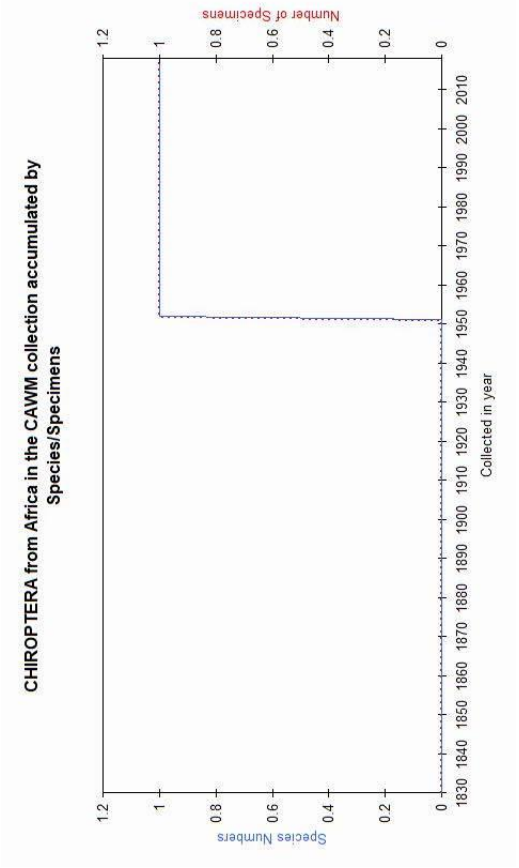
CHIROPTERA from Africa in the CAWM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

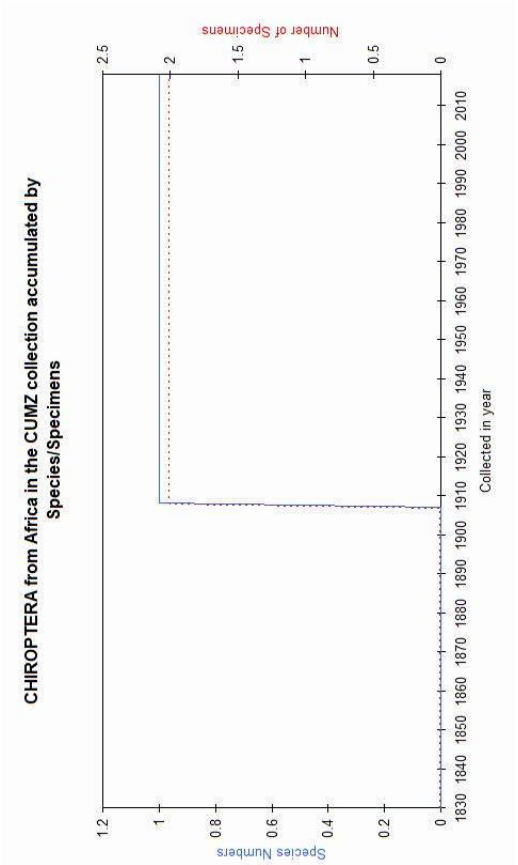
CHIROPTERA from Africa in the CUMZ collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

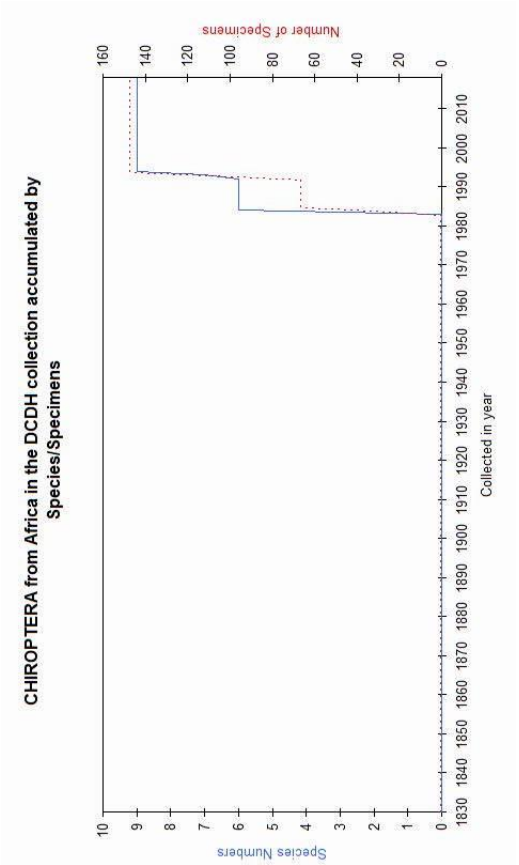
CHIROPTERA from Africa in the DCDH collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

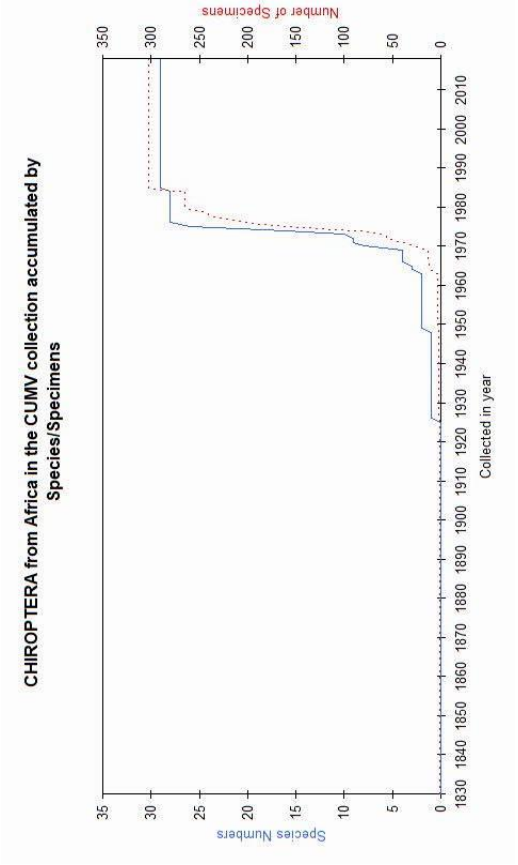
CHIROPTERA from Africa in the CUMV collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

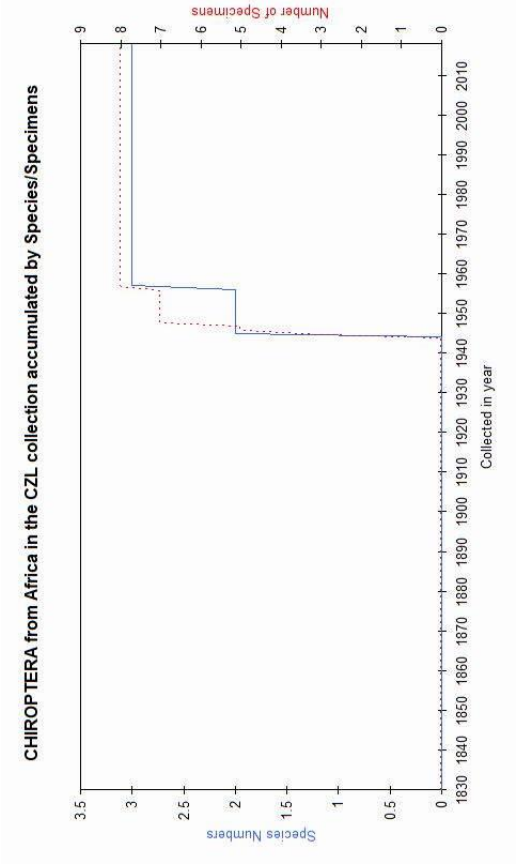
CHIROPTERA from Africa in the CZL collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

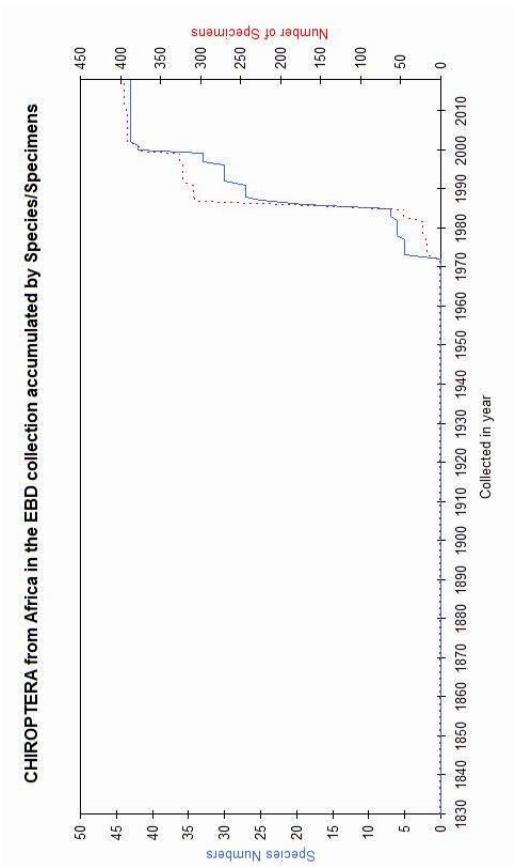
CHIROPTERA from Africa in the EBD collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

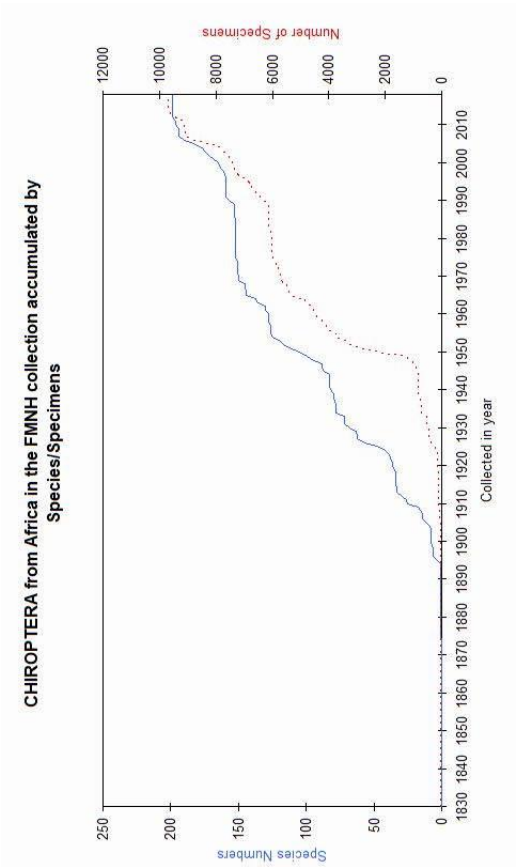
CHIROPTERA from Africa in the FMNH collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

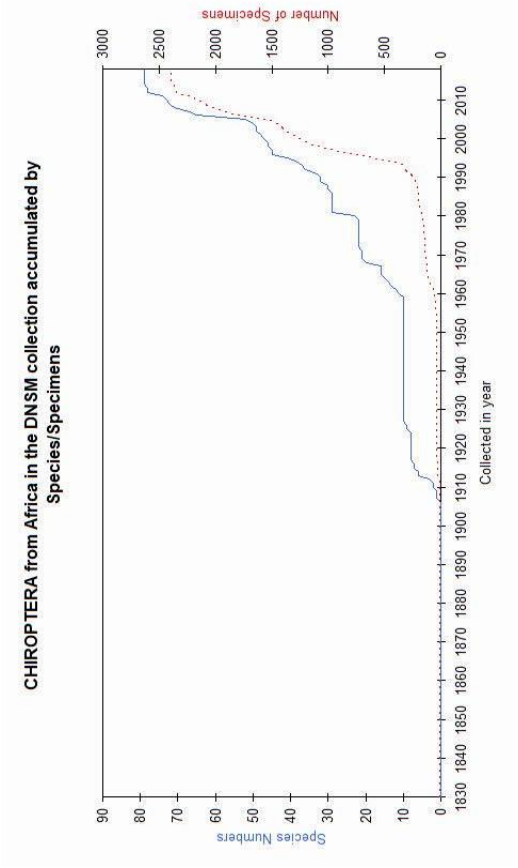
CHIROPTERA from Africa in the DNSM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

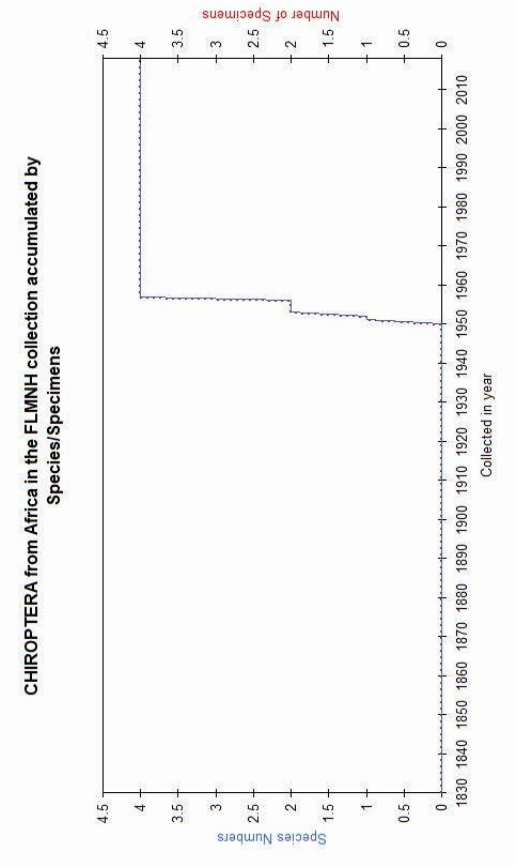
CHIROPTERA from Africa in the FLMNH collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

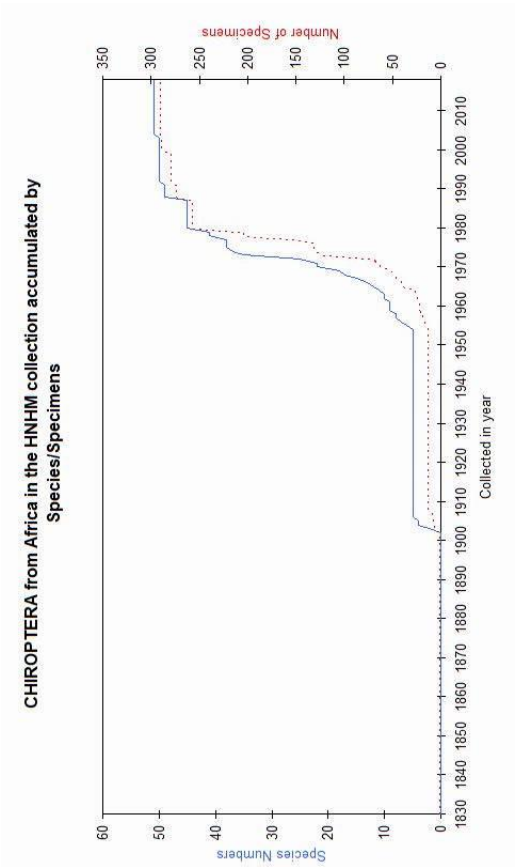
CHIROPTERA from Africa in the HNHM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

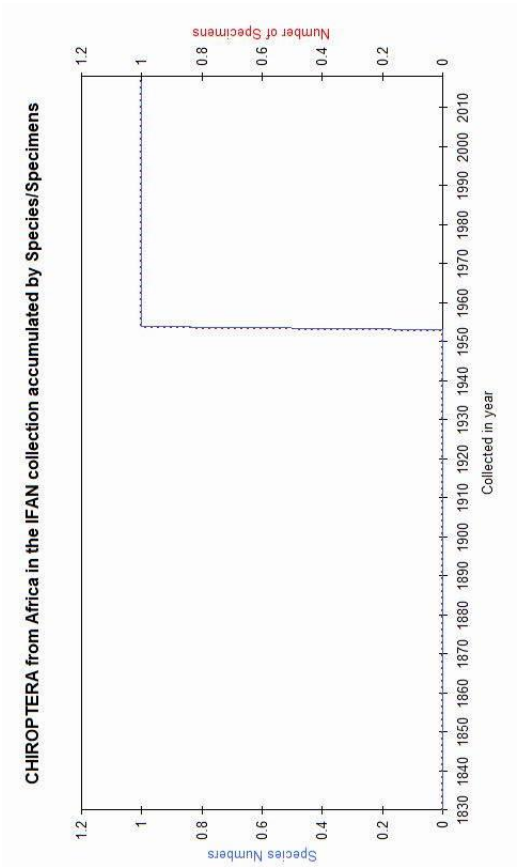
CHIROPTERA from Africa in the IFAN collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

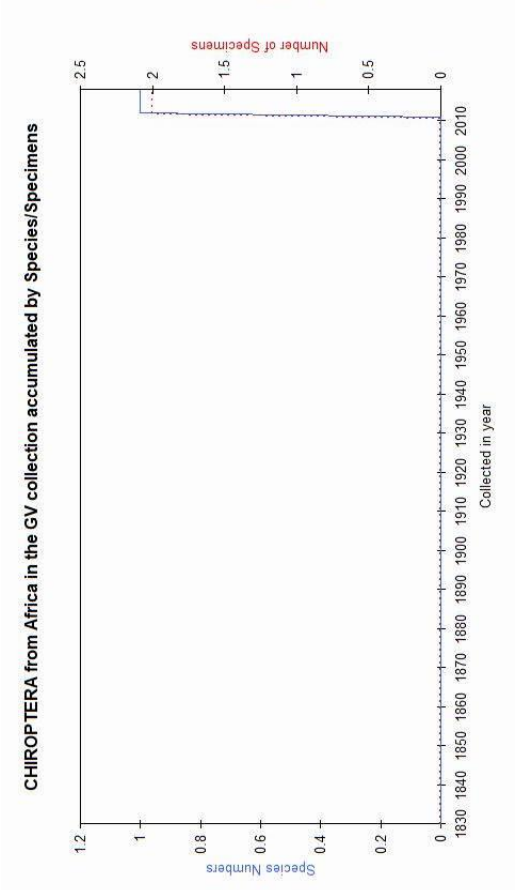
CHIROPTERA from Africa in the GV collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

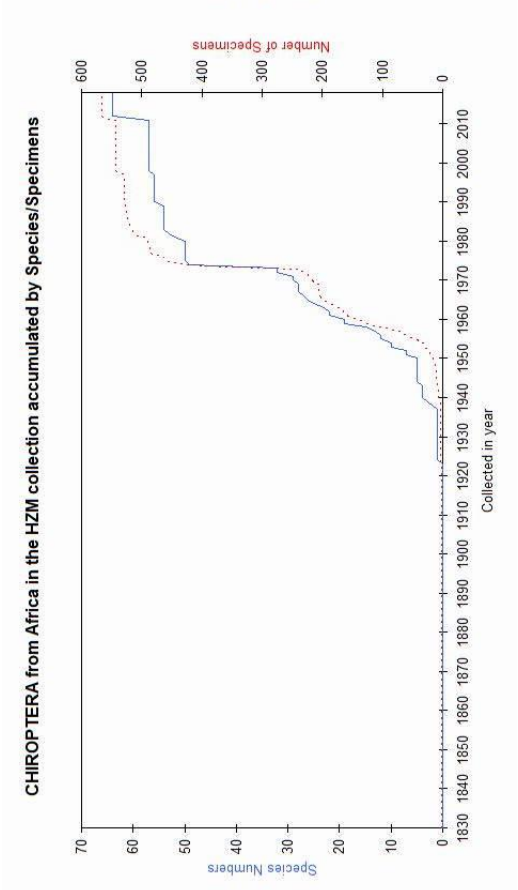
CHIROPTERA from Africa in the HZM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

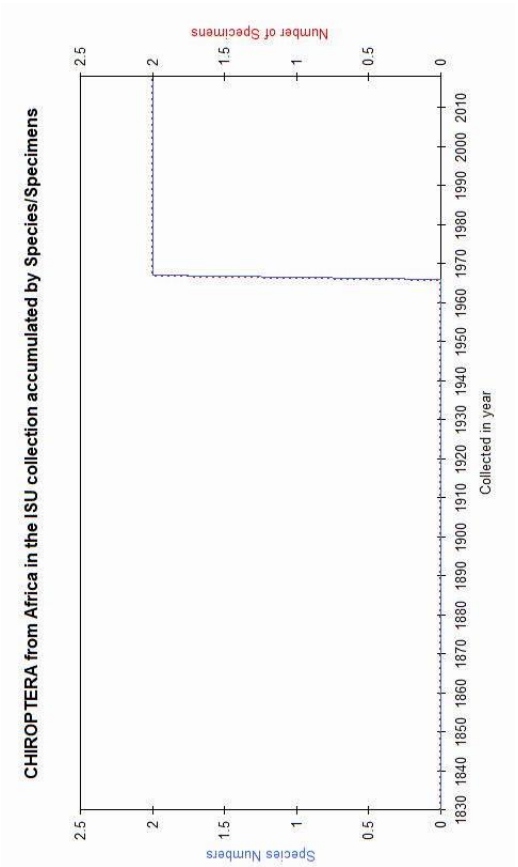
CHIROPTERA from Africa in the ISU collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

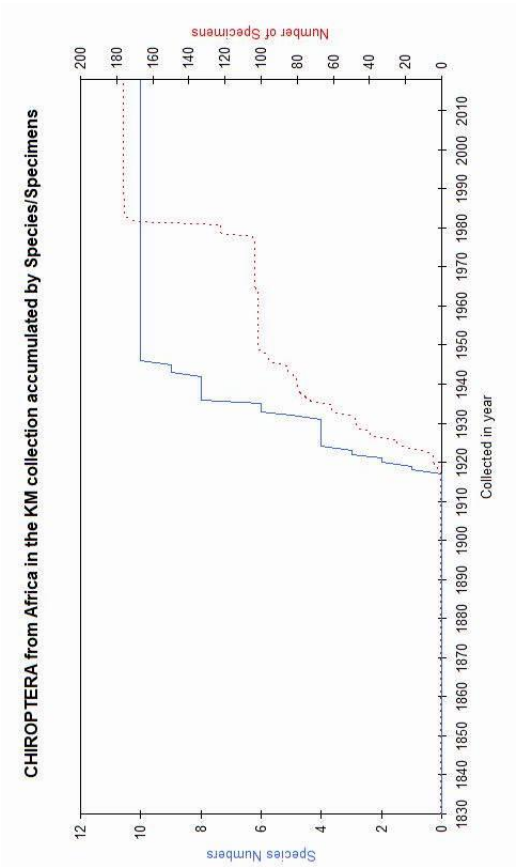
CHIROPTERA from Africa in the KM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

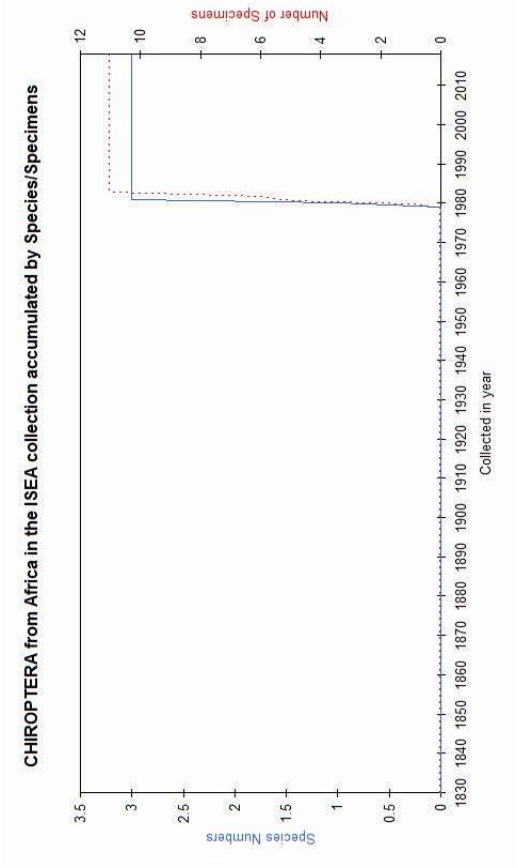
CHIROPTERA from Africa in the ISEA collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

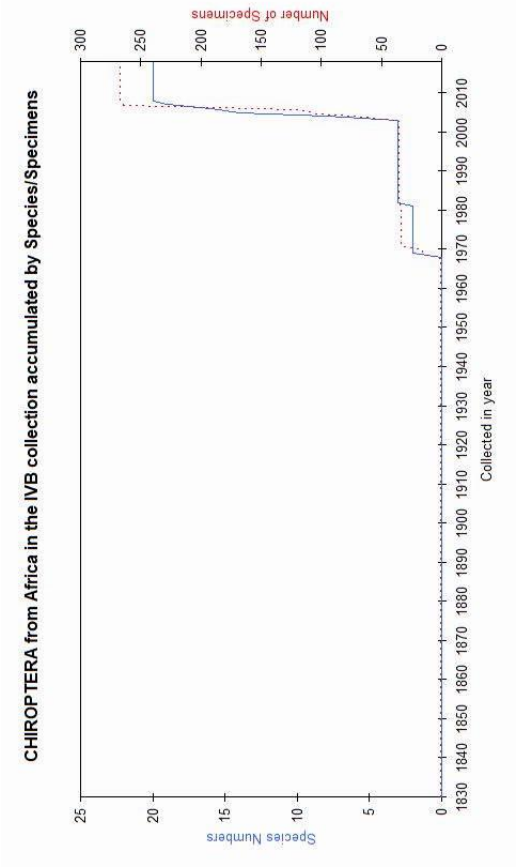
CHIROPTERA from Africa in the IVB collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

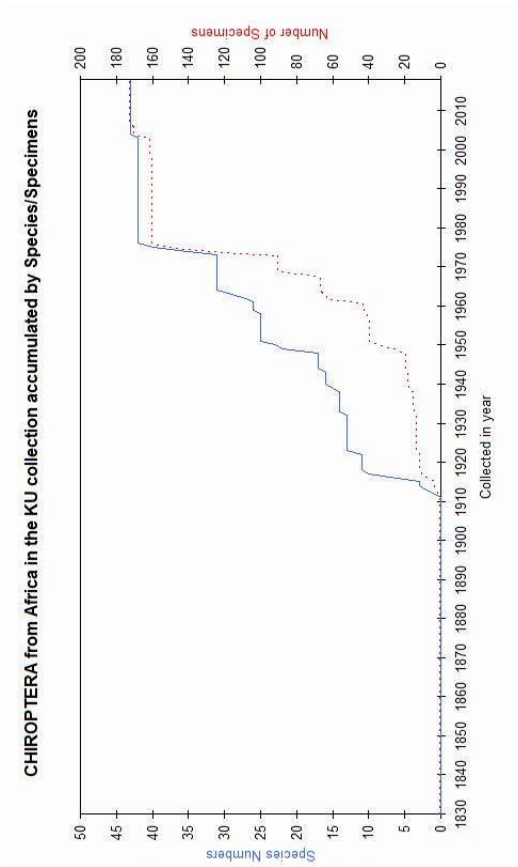
CHIROPTERA from Africa in the KU collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

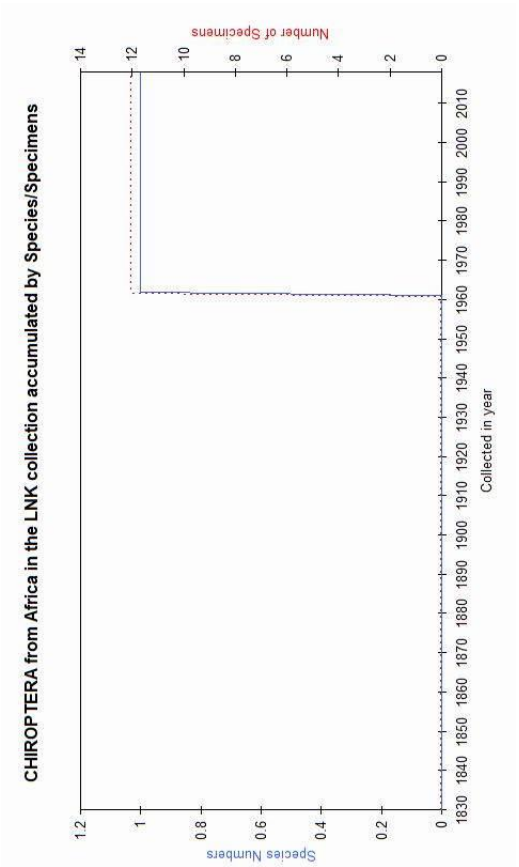
CHIROPTERA from Africa in the LNK collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

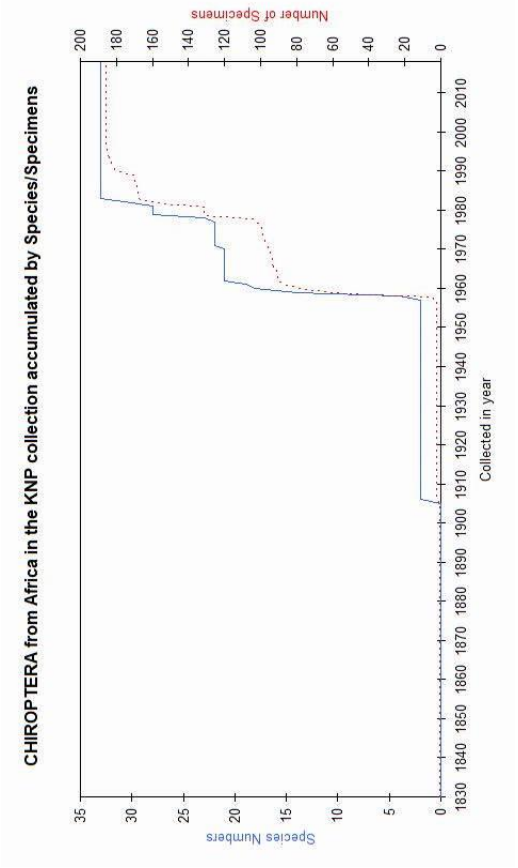
CHIROPTERA from Africa in the KNP collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

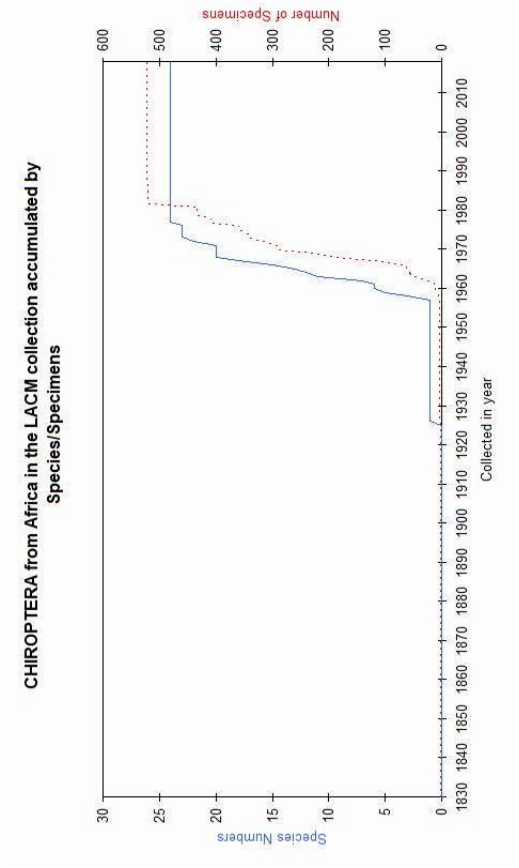
CHIROPTERA from Africa in the LACM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

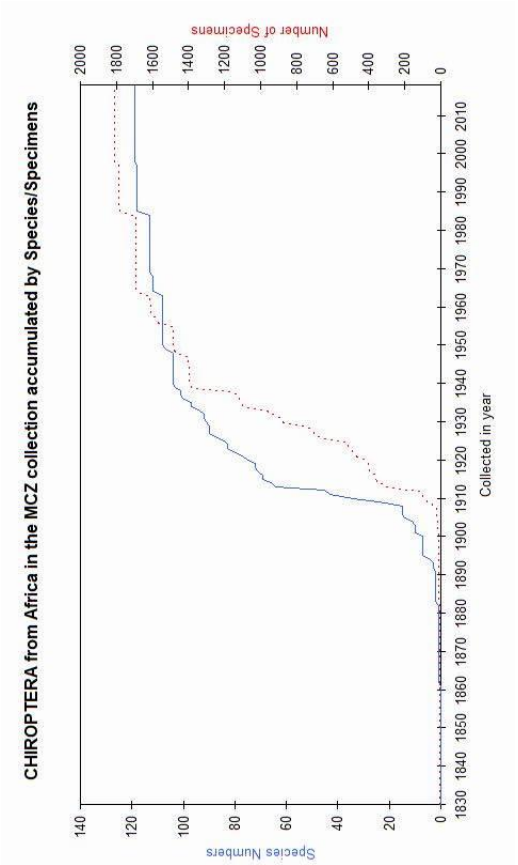
CHIROPTERA from Africa in the MCZ collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

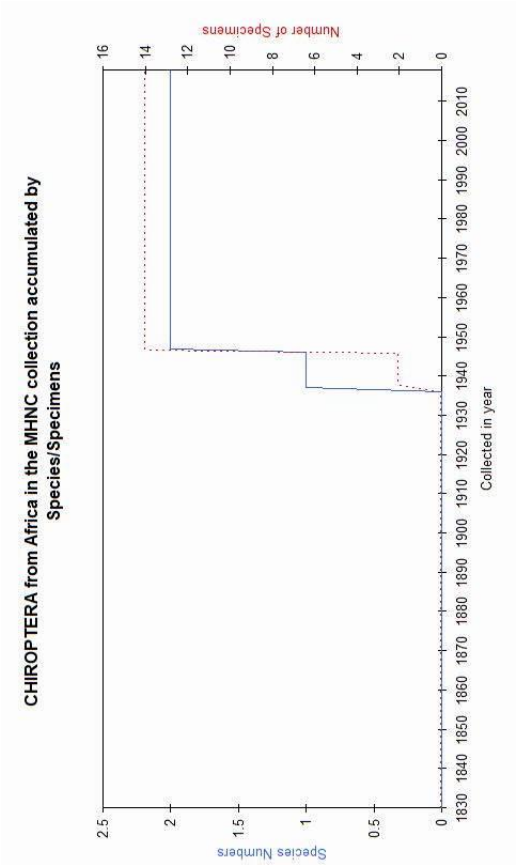
CHIROPTERA from Africa in the MHNC collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

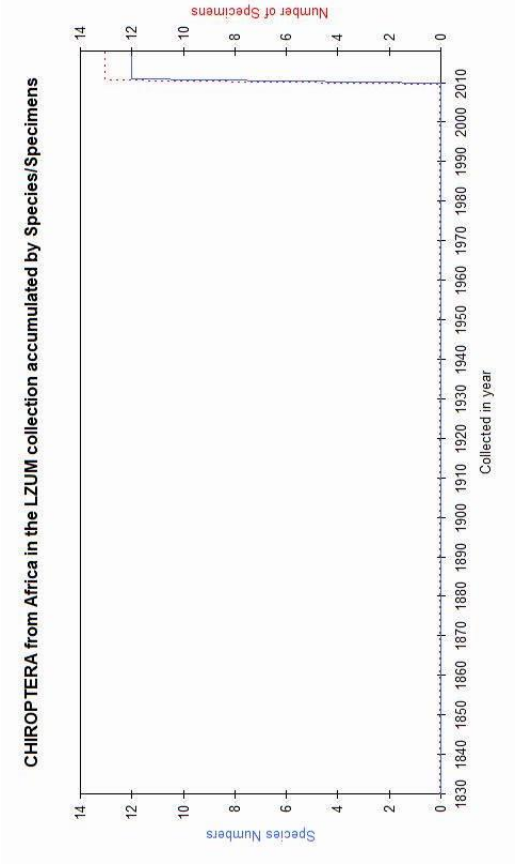
CHIROPTERA from Africa in the LZUM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

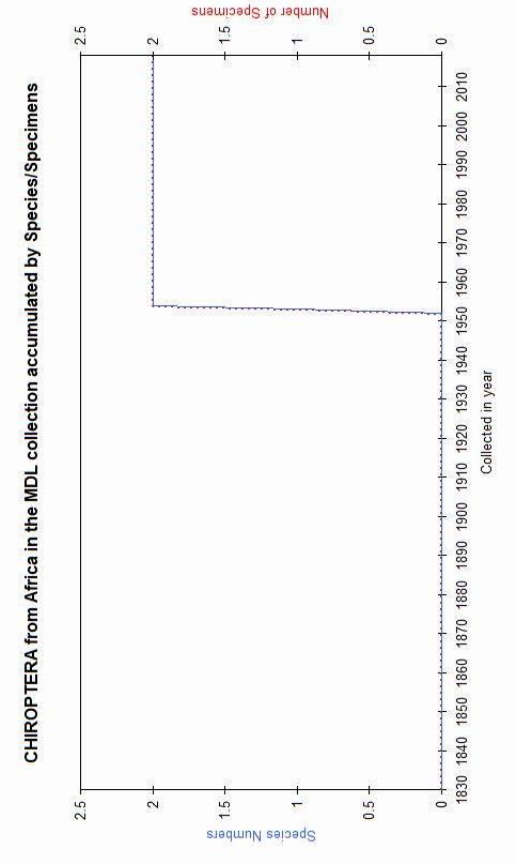
CHIROPTERA from Africa in the MDL collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

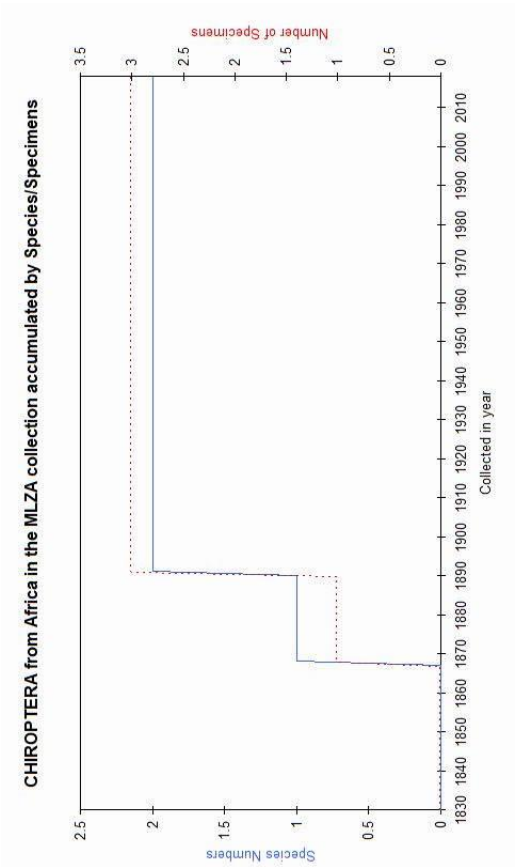
CHIROPTERA from Africa in the MLZA collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

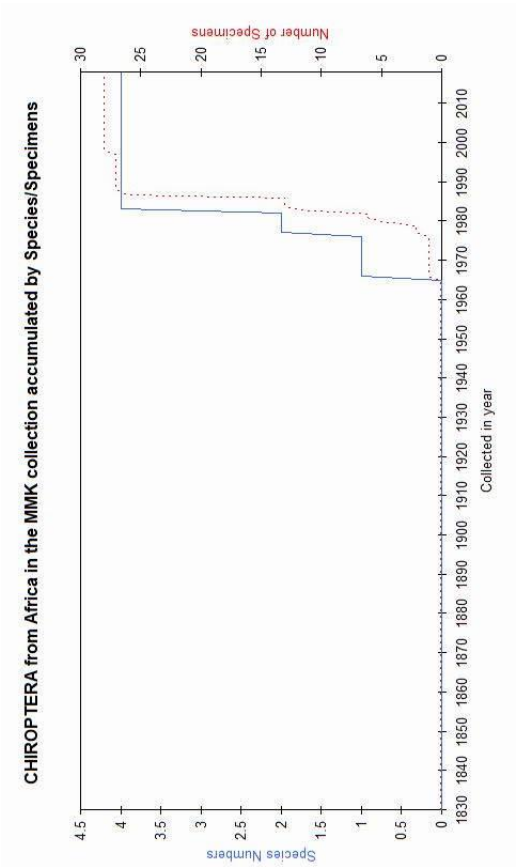
CHIROPTERA from Africa in the MMK collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

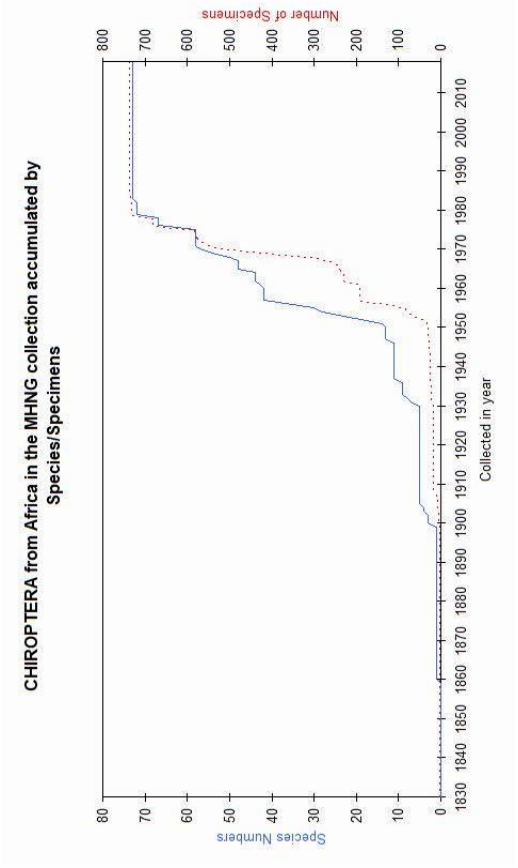
CHIROPTERA from Africa in the MHNG collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

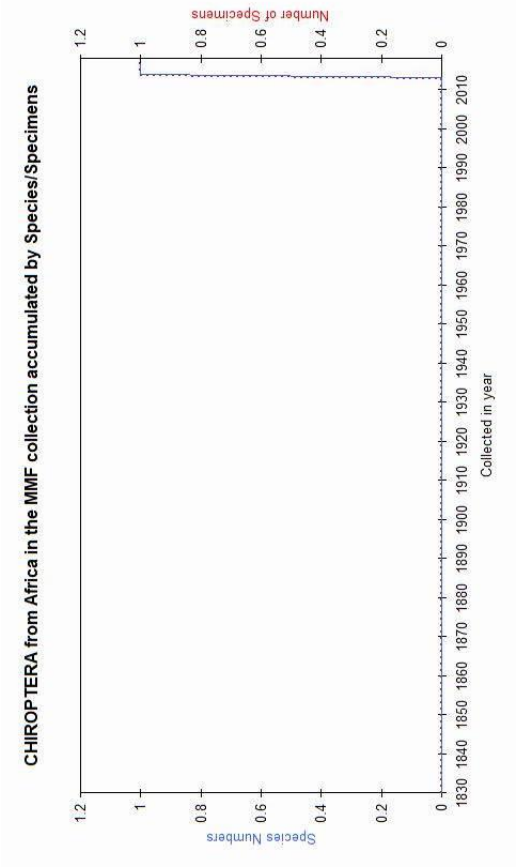
CHIROPTERA from Africa in the MMF collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

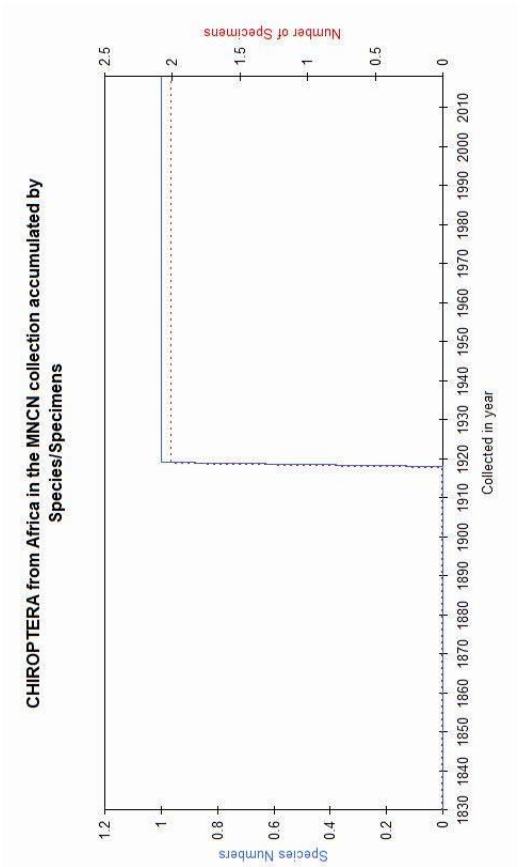
CHIROPTERA from Africa in the MNCN collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

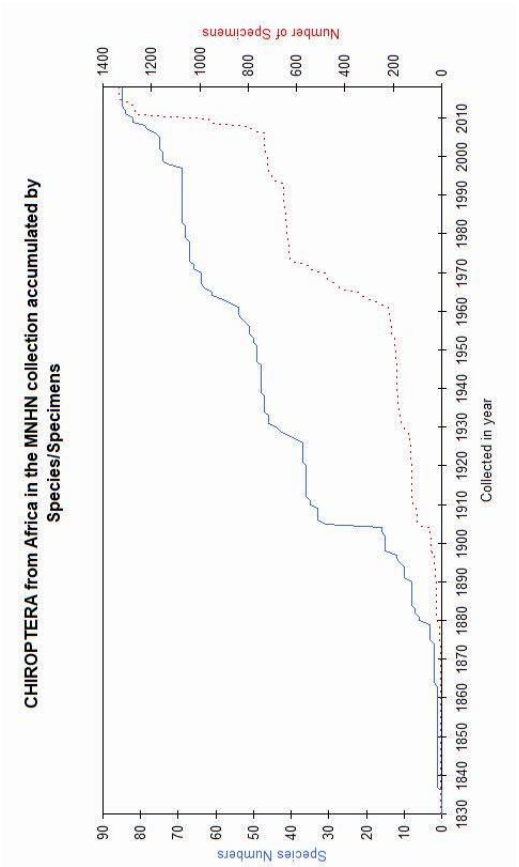
CHIROPTERA from Africa in the MNHN collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

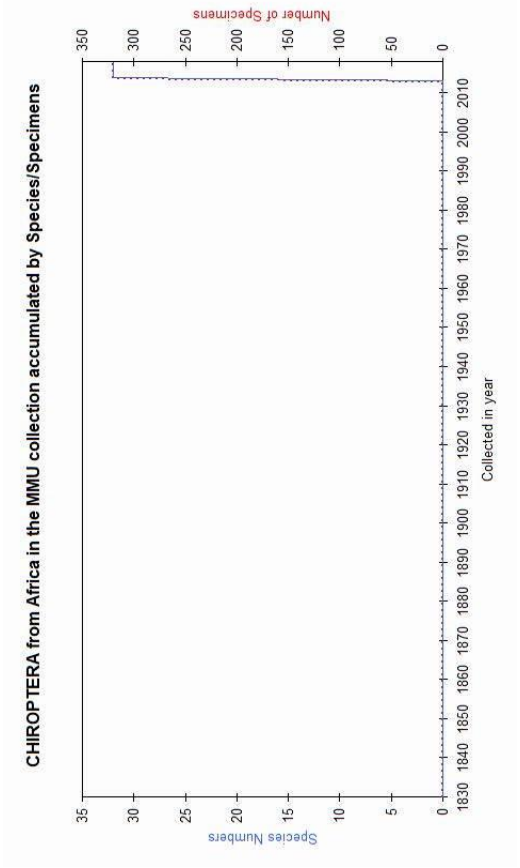
CHIROPTERA from Africa in the MMU collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

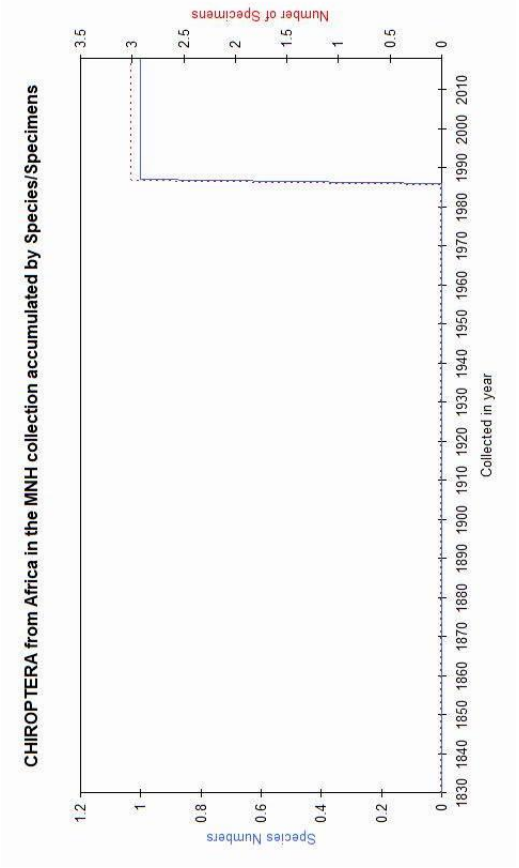
CHIROPTERA from Africa in the MNH collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

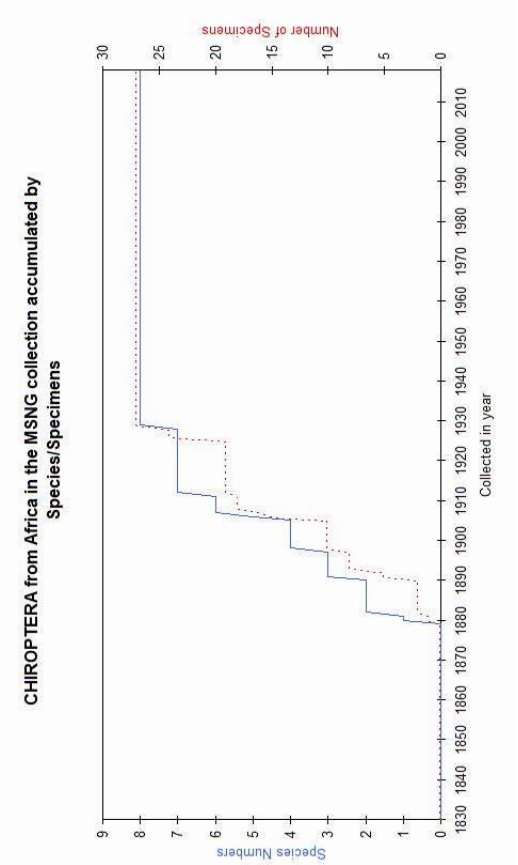
CHIROPTERA from Africa in the MSNG collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

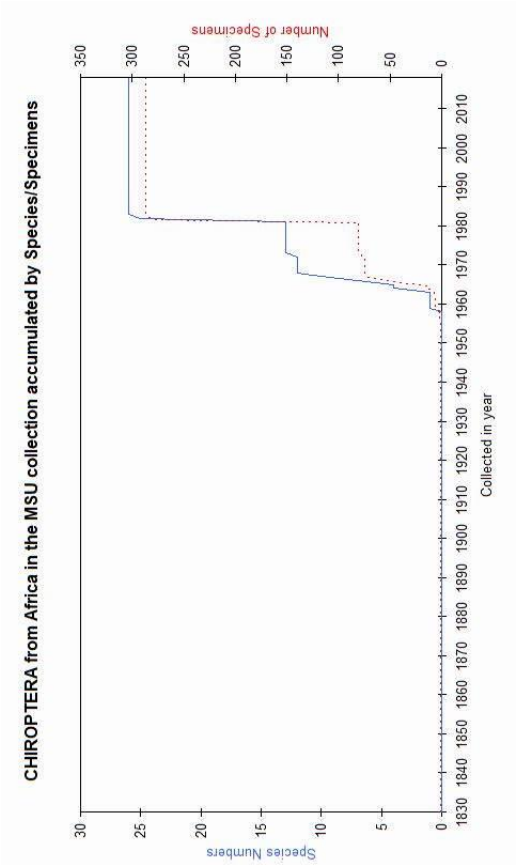
CHIROPTERA from Africa in the MSU collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

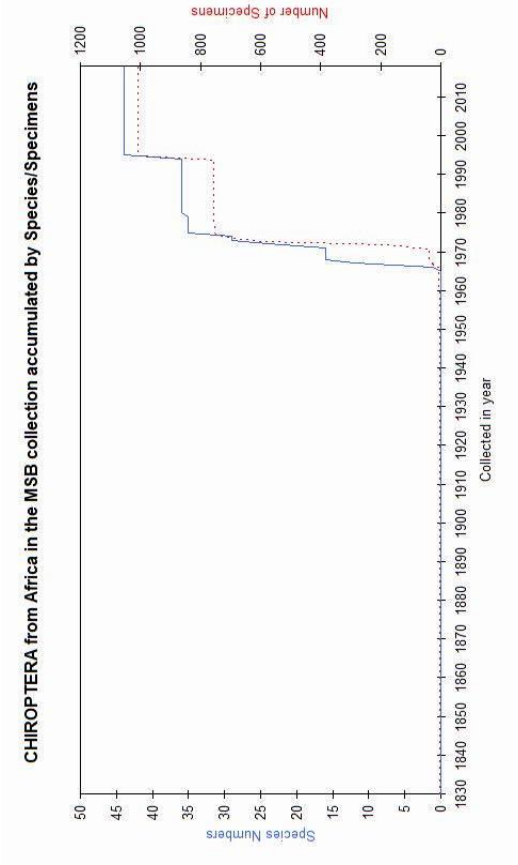
CHIROPTERA from Africa in the MSB collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

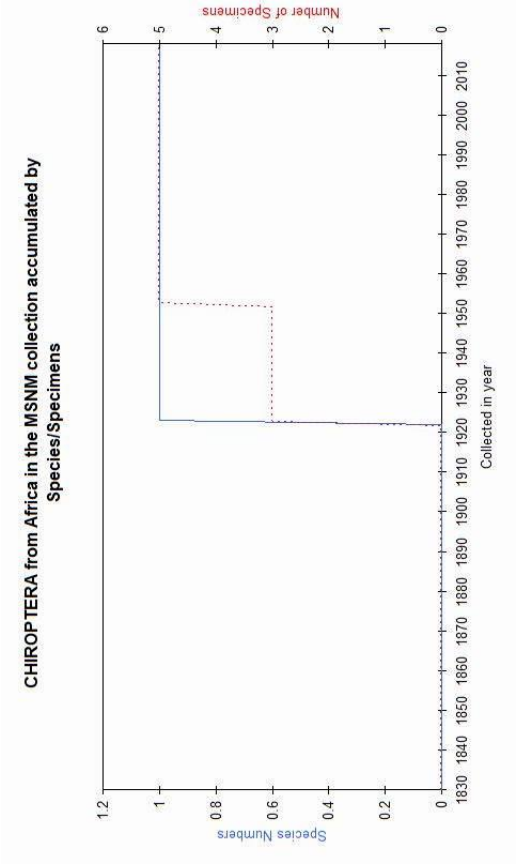
CHIROPTERA from Africa in the MSNM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

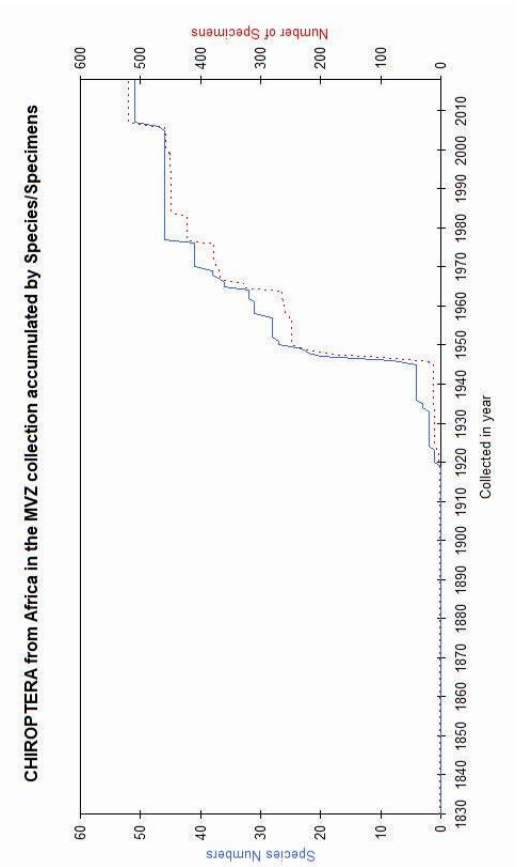
CHIROPTERA from Africa in the MVZ collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

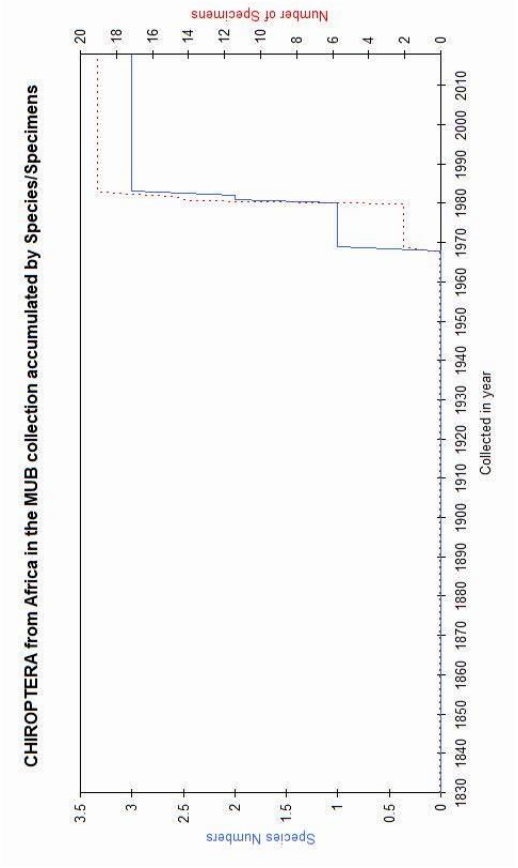
CHIROPTERA from Africa in the MUB collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

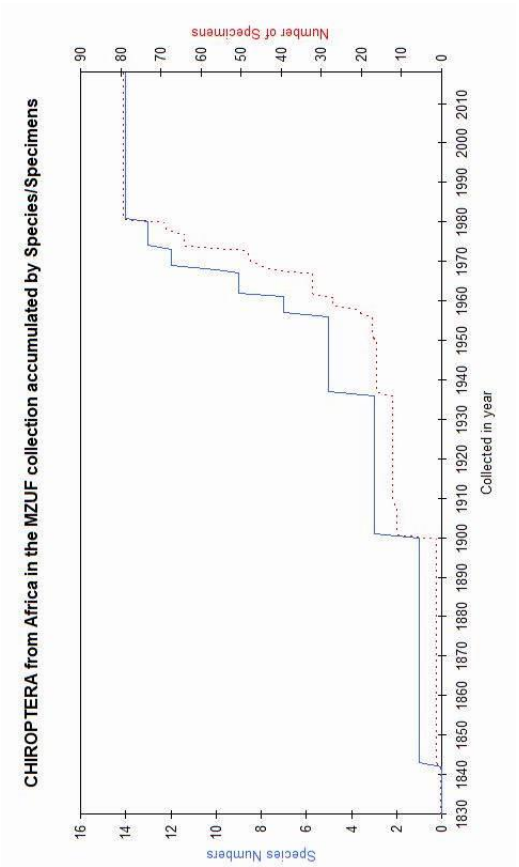
CHIROPTERA from Africa in the MZUF collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

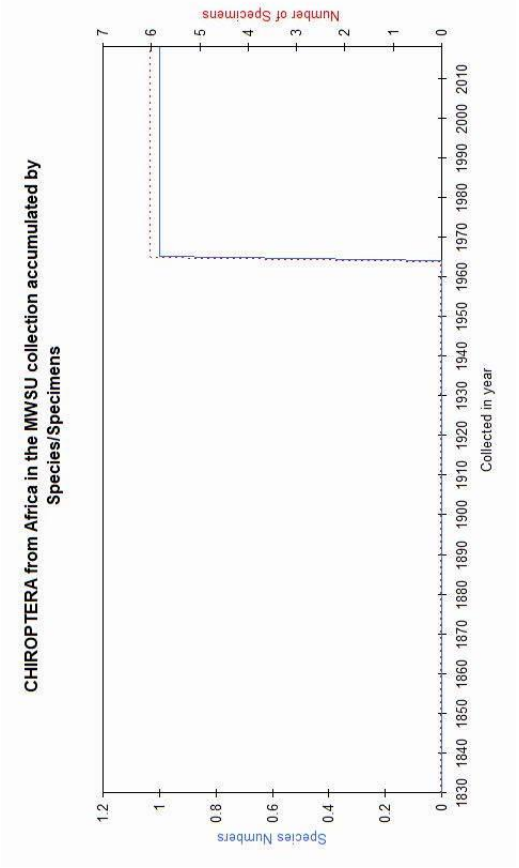
CHIROPTERA from Africa in the MWSU collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

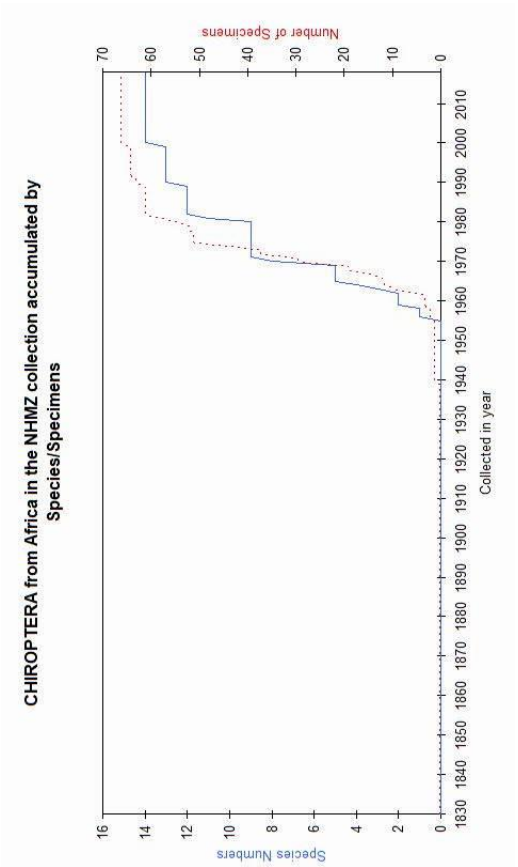
CHIROPTERA from Africa in the NHMZ collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

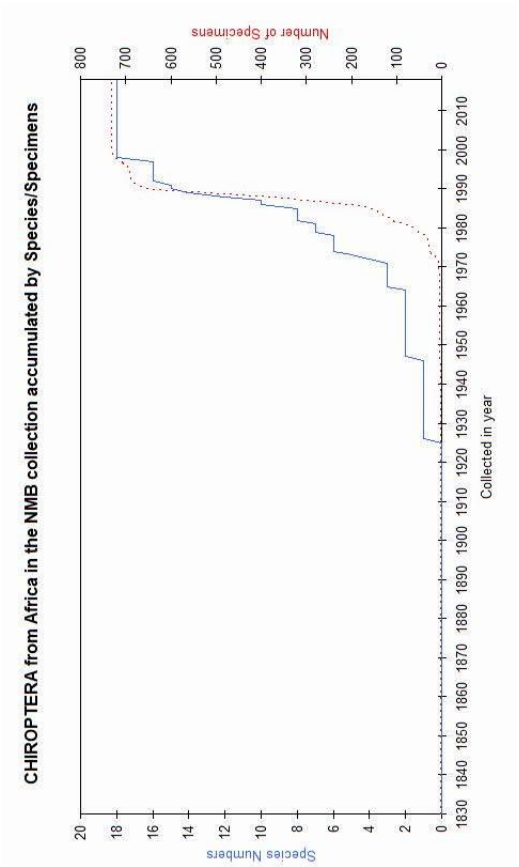
CHIROPTERA from Africa in the NMB collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

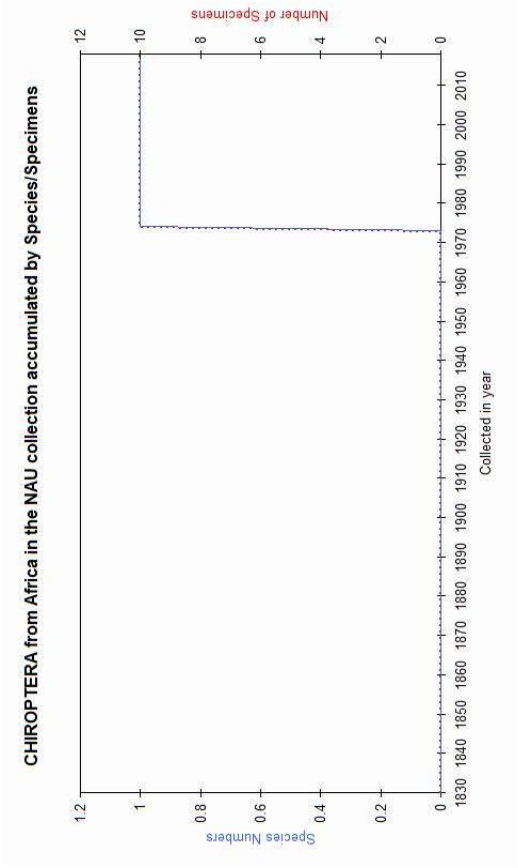
CHIROPTERA from Africa in the NAU collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

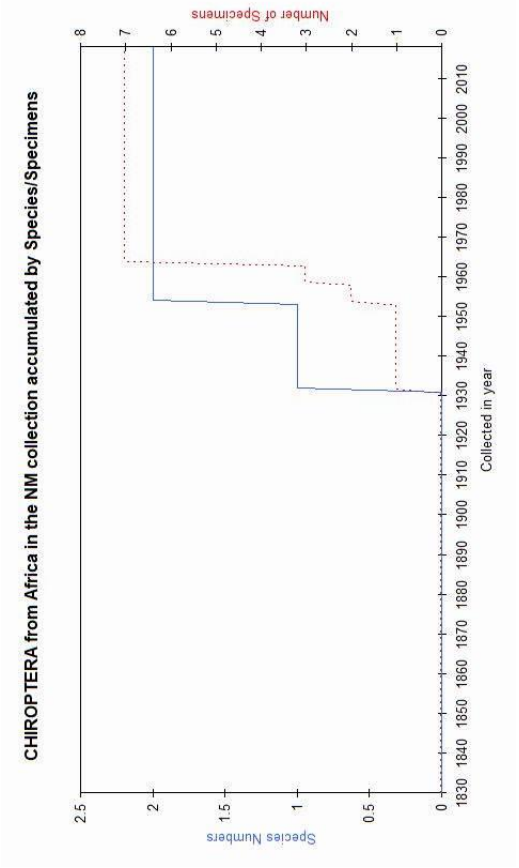
CHIROPTERA from Africa in the NM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

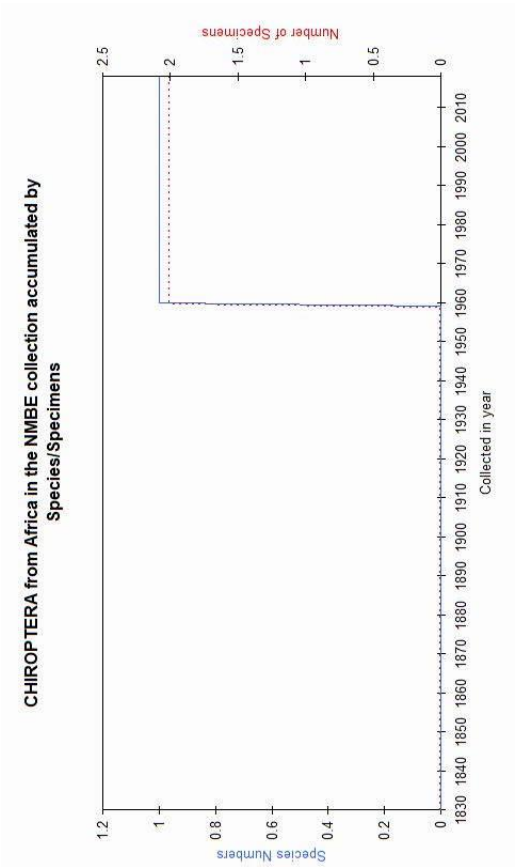
CHIROPTERA from Africa in the NMBE collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

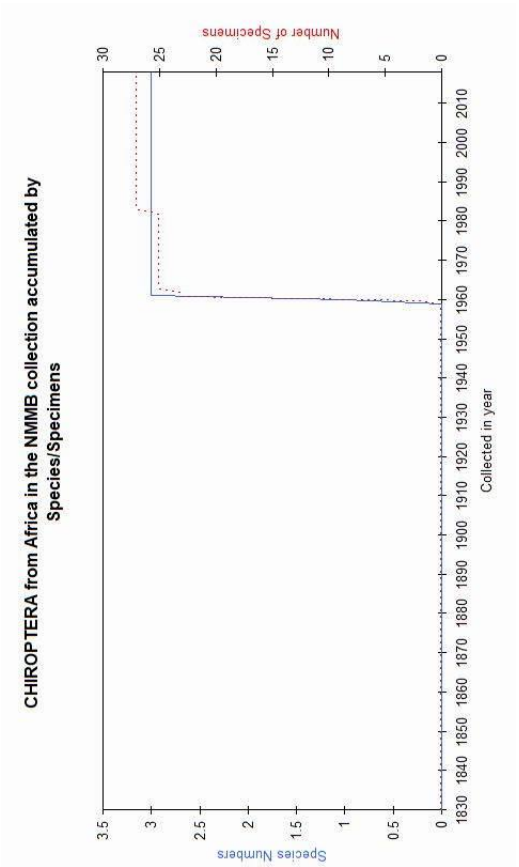
CHIROPTERA from Africa in the NMMB collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

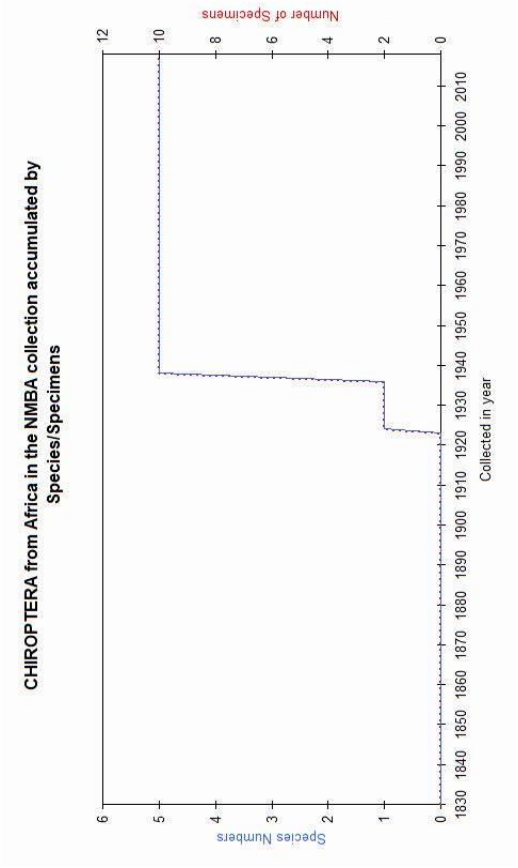
CHIROPTERA from Africa in the NMBA collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

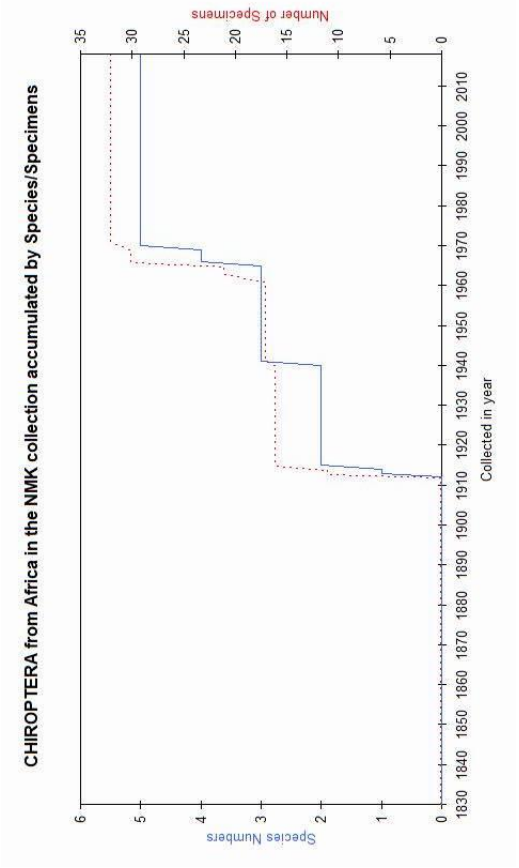
CHIROPTERA from Africa in the NMK collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

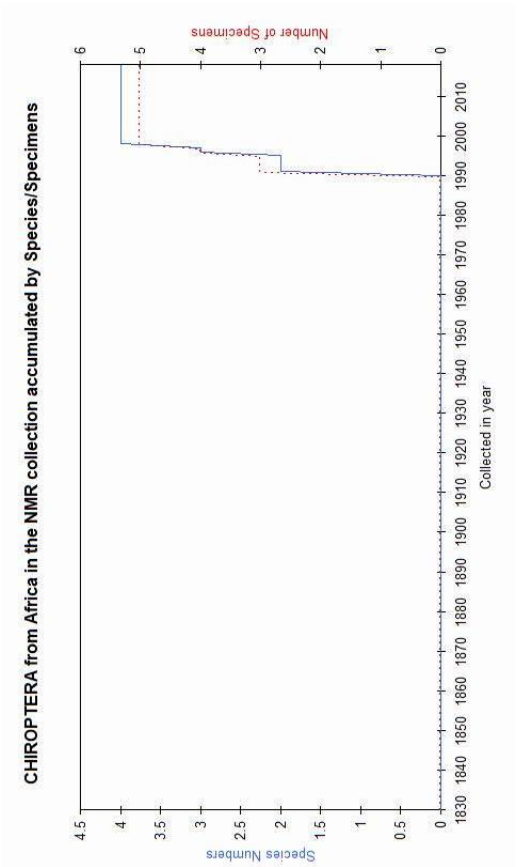
CHIROPTERA from Africa in the NMR collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

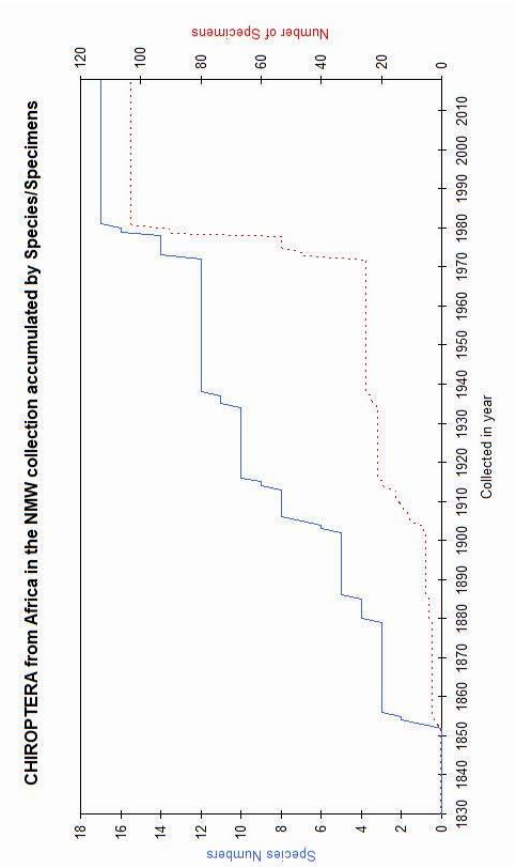
CHIROPTERA from Africa in the NMW collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

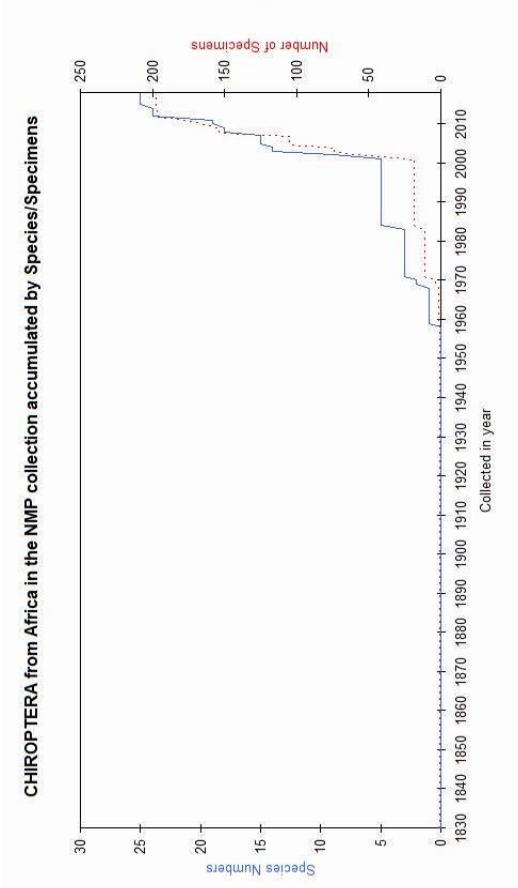
CHIROPTERA from Africa in the NMP collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

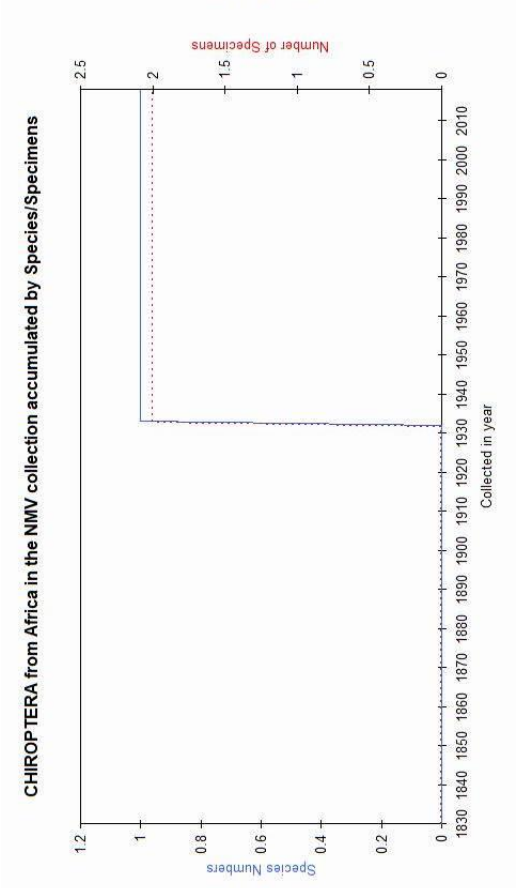
CHIROPTERA from Africa in the NMV collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

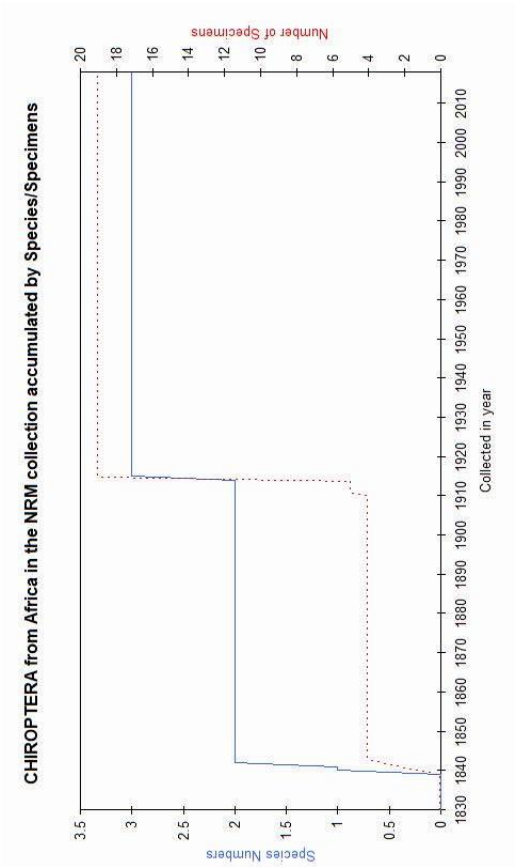
CHIROPTERA from Africa in the NRM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

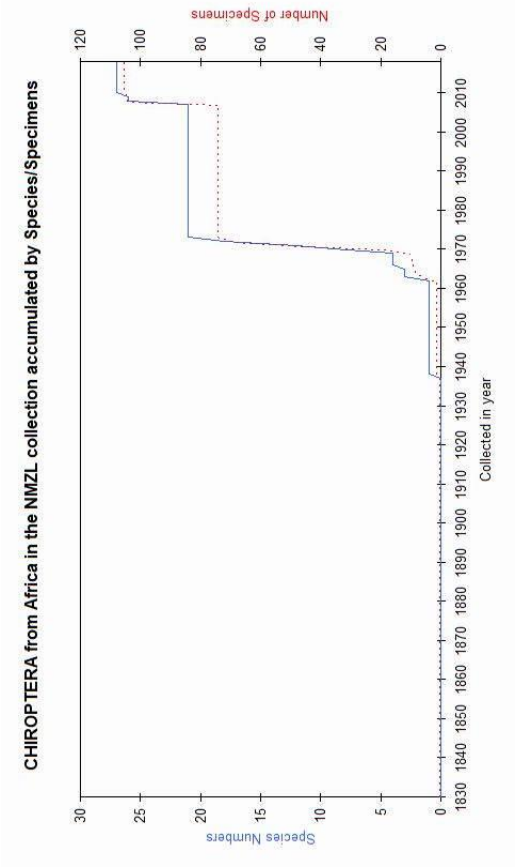
CHIROPTERA from Africa in the NMZL collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

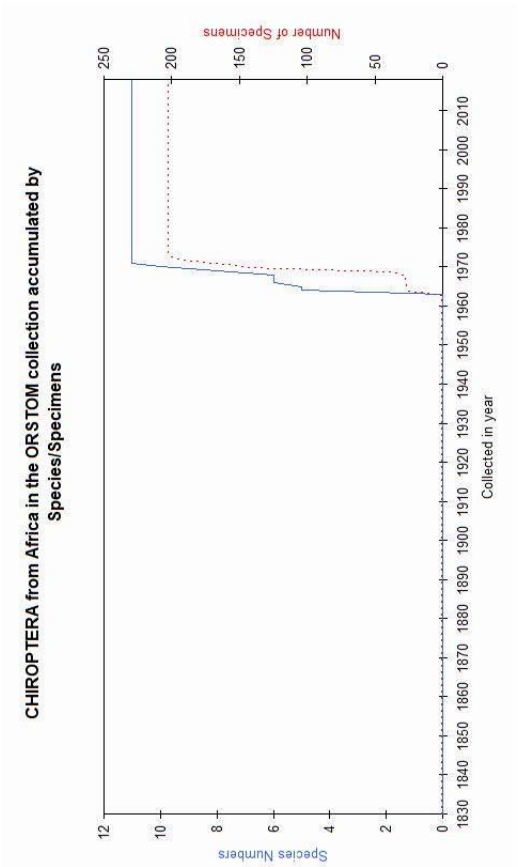
CHIROPTERA from Africa in the ORSTOM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

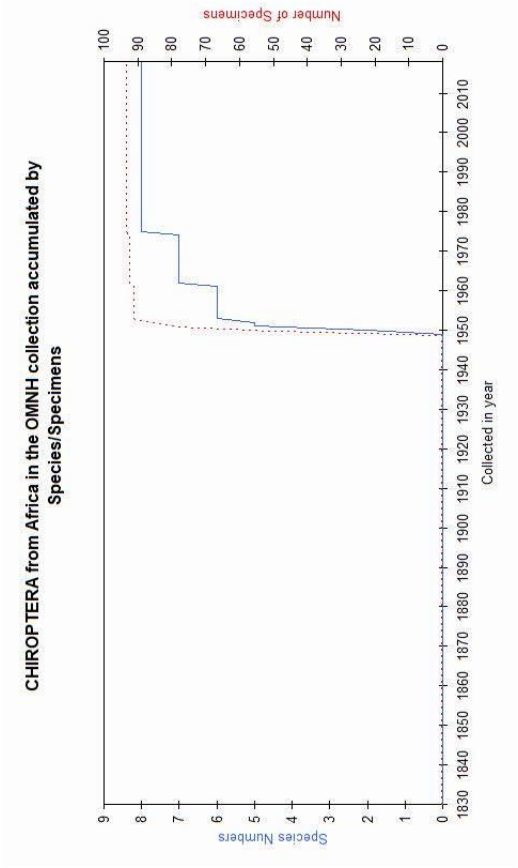
CHIROPTERA from Africa in the OMNH collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

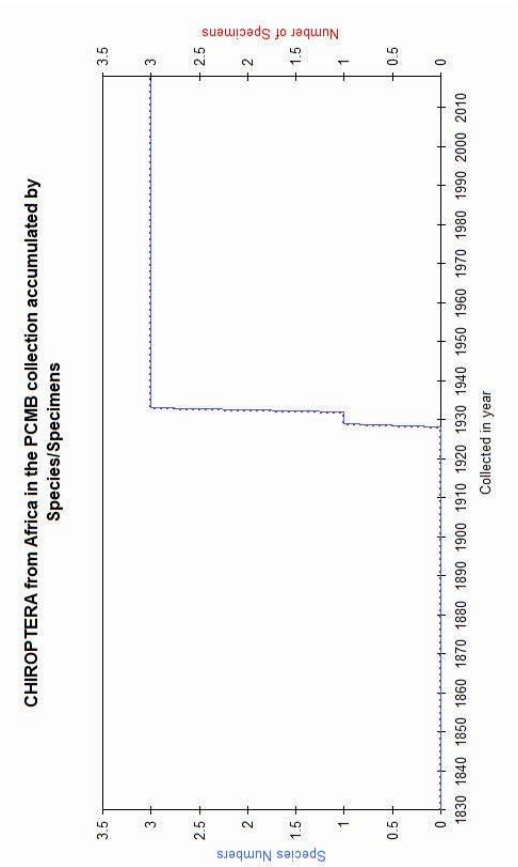
CHIROPTERA from Africa in the PCMB collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

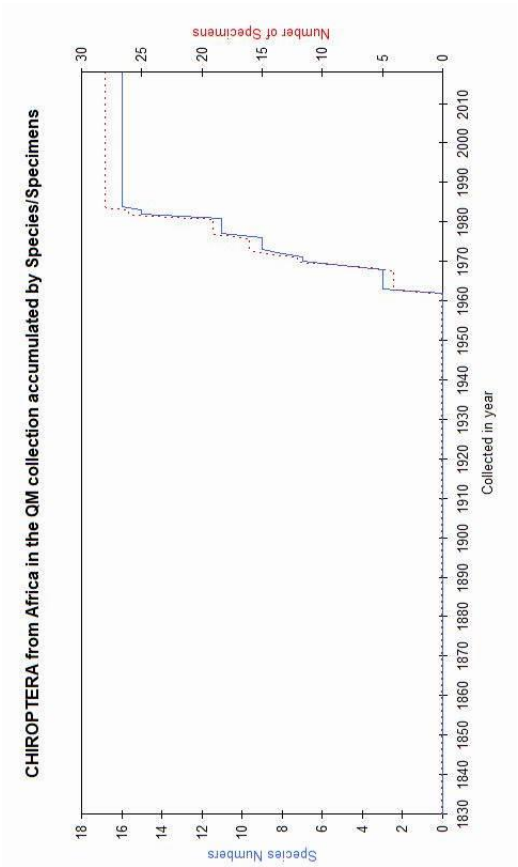
CHIROPTERA from Africa in the QM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

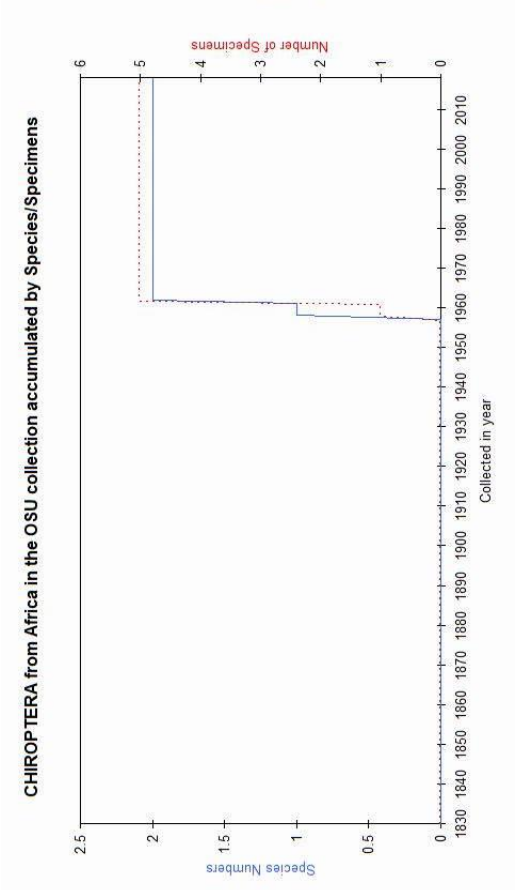
CHIROPTERA from Africa in the OSU collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

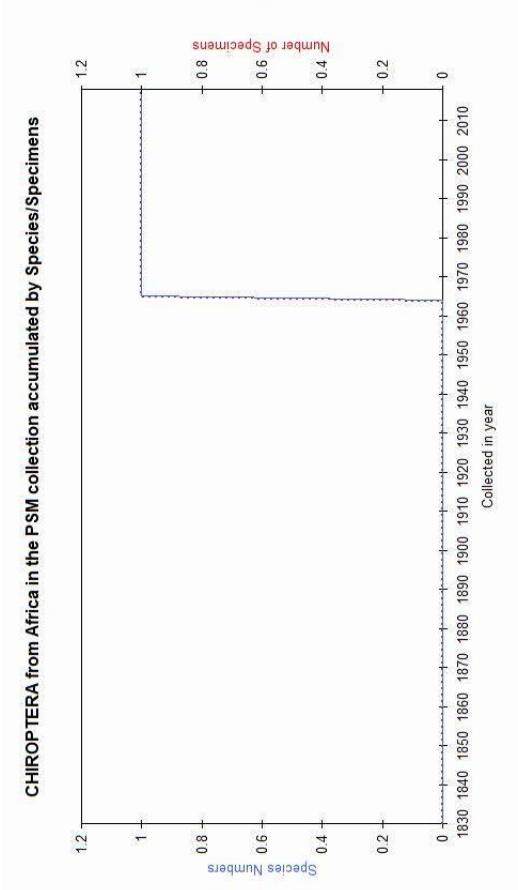
CHIROPTERA from Africa in the PSM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

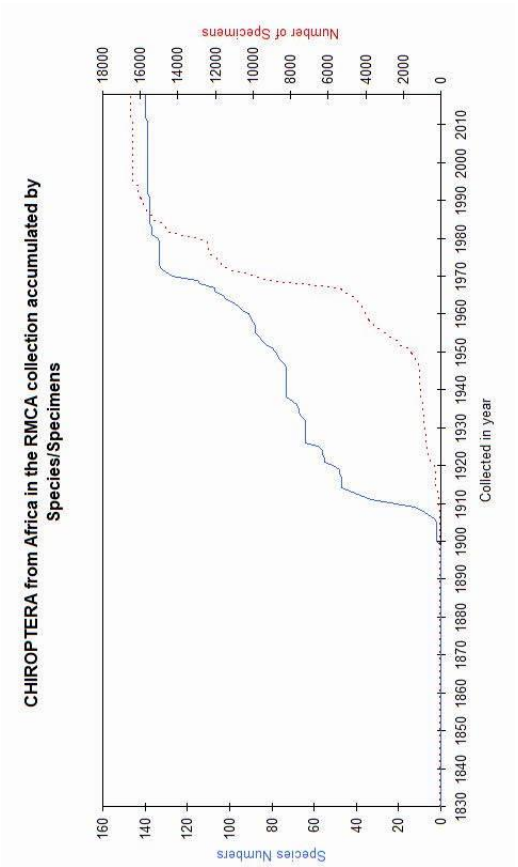
CHIROPTERA from Africa in the RMCA collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

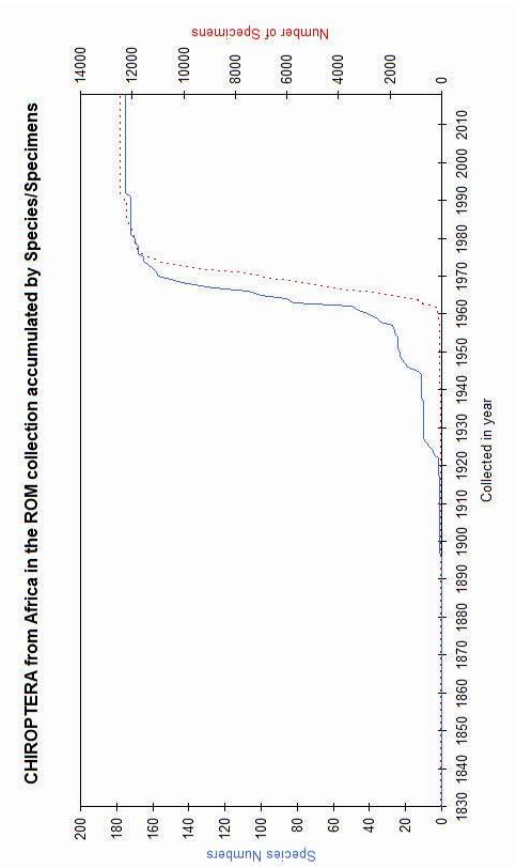
CHIROPTERA from Africa in the ROM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

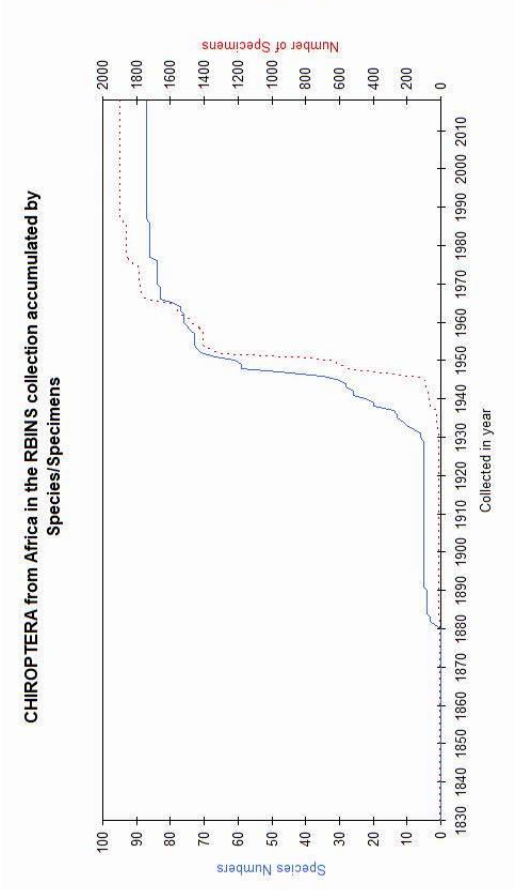
CHIROPTERA from Africa in the RBINS collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

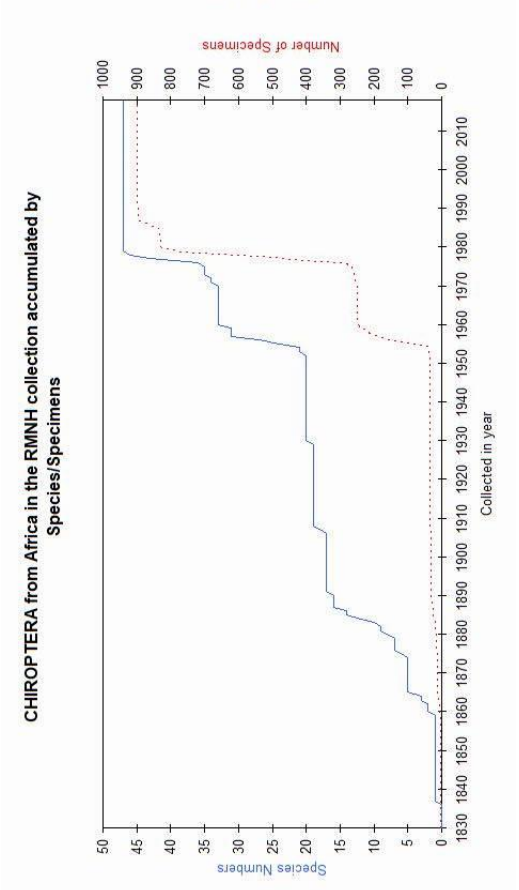
CHIROPTERA from Africa in the RMNH collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

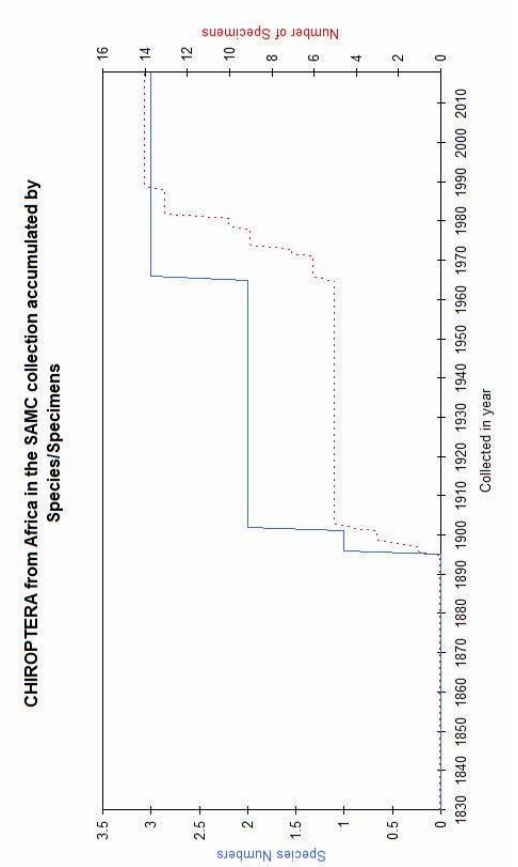
CHIROPTERA from Africa in the SAMC collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

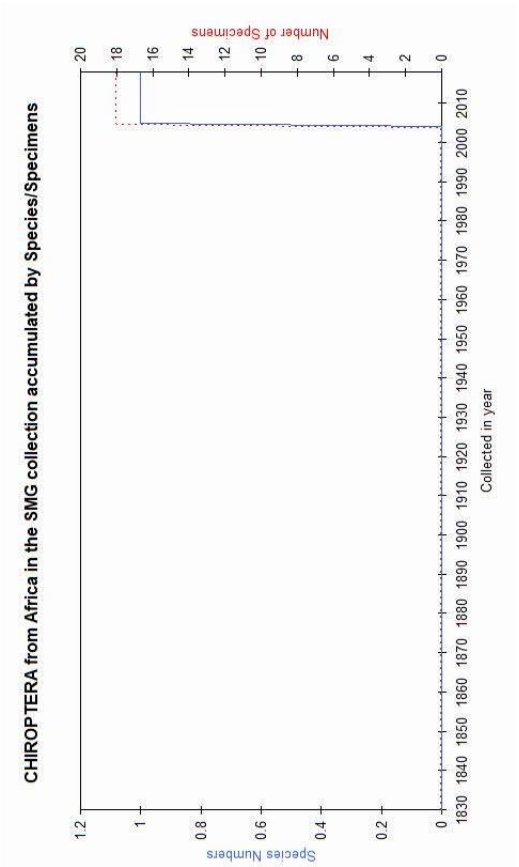
CHIROPTERA from Africa in the SMG collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

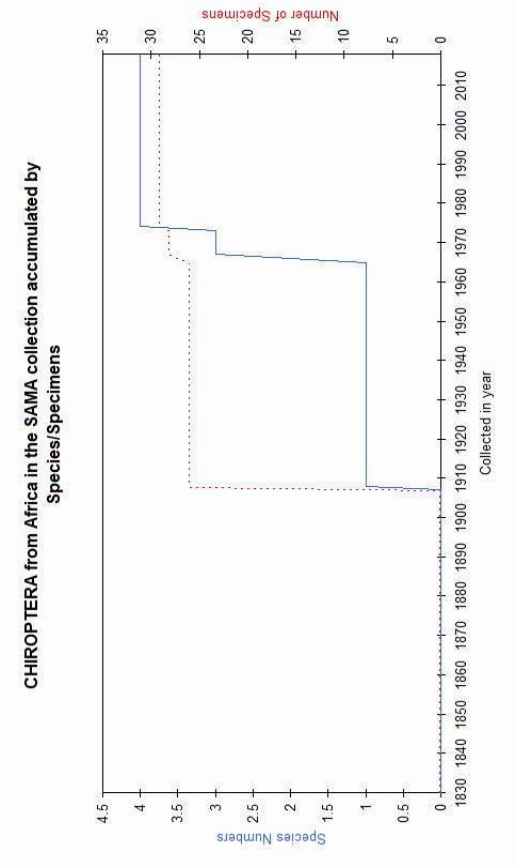
CHIROPTERA from Africa in the SAMA collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

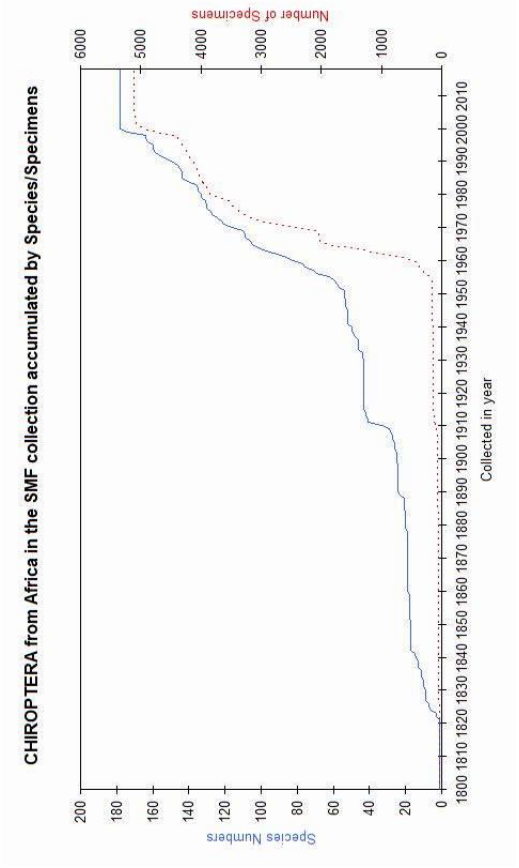
CHIROPTERA from Africa in the SMF collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

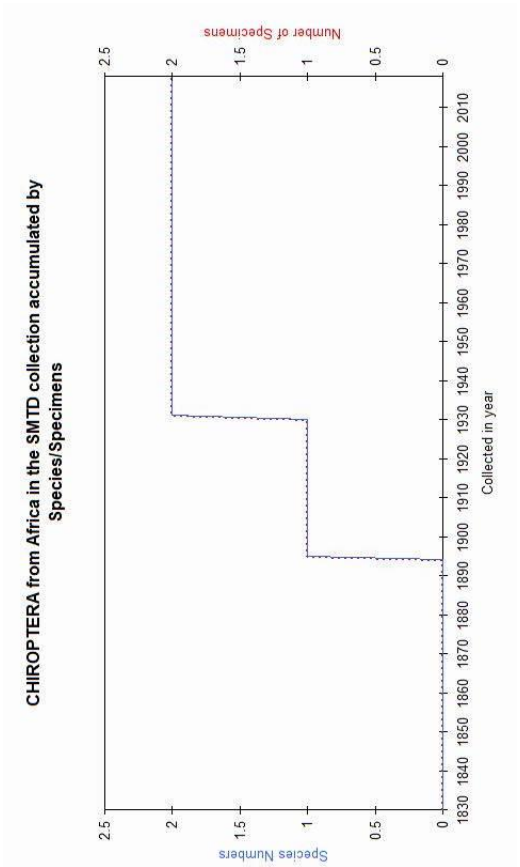
CHIROPTERA from Africa in the SMTD collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

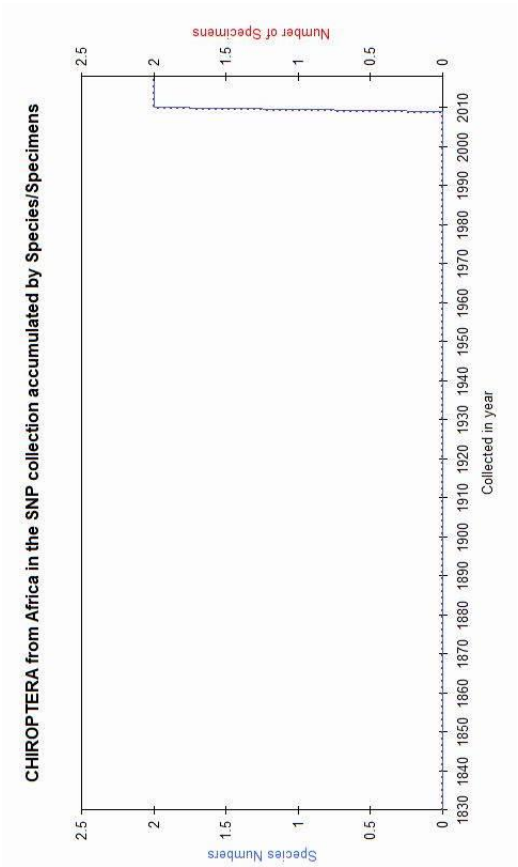
CHIROPTERA from Africa in the SNP collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

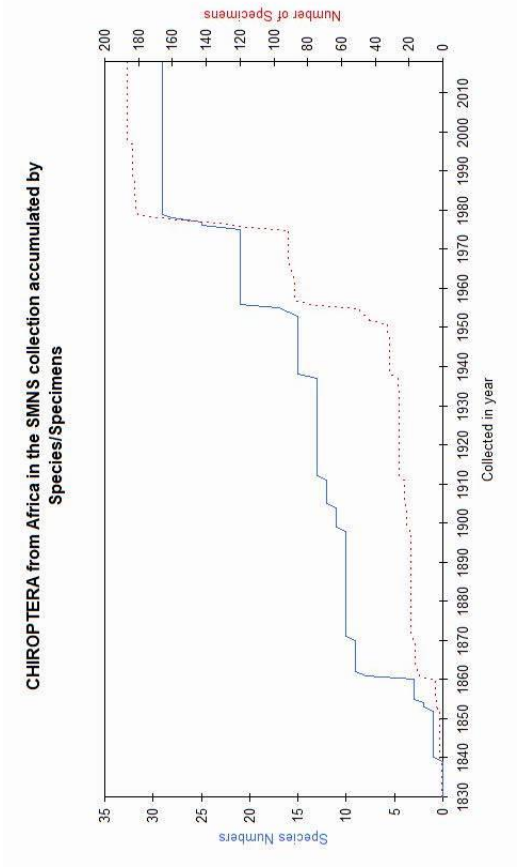
CHIROPTERA from Africa in the SMNS collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

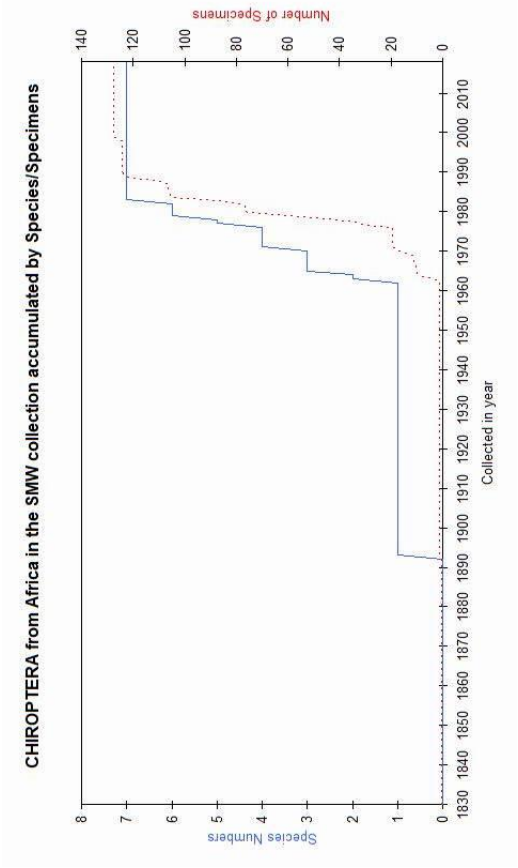
CHIROPTERA from Africa in the SMW collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

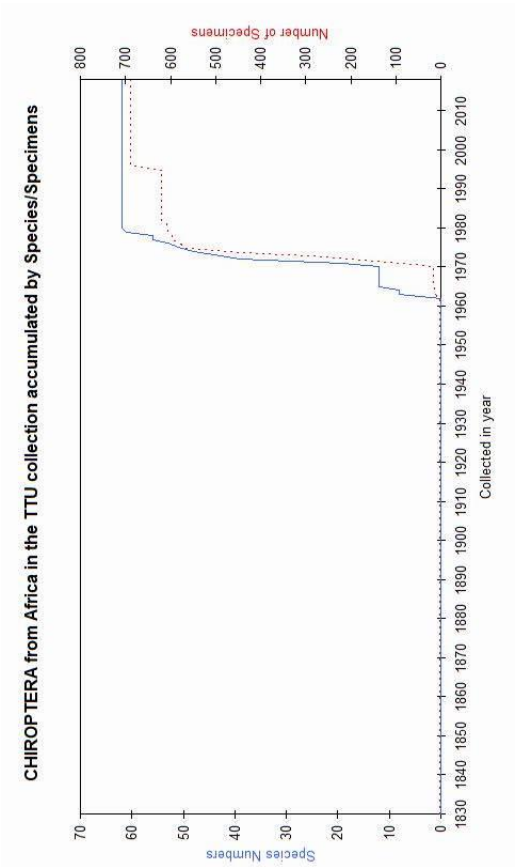
CHIROPTERA from Africa in the TTU collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

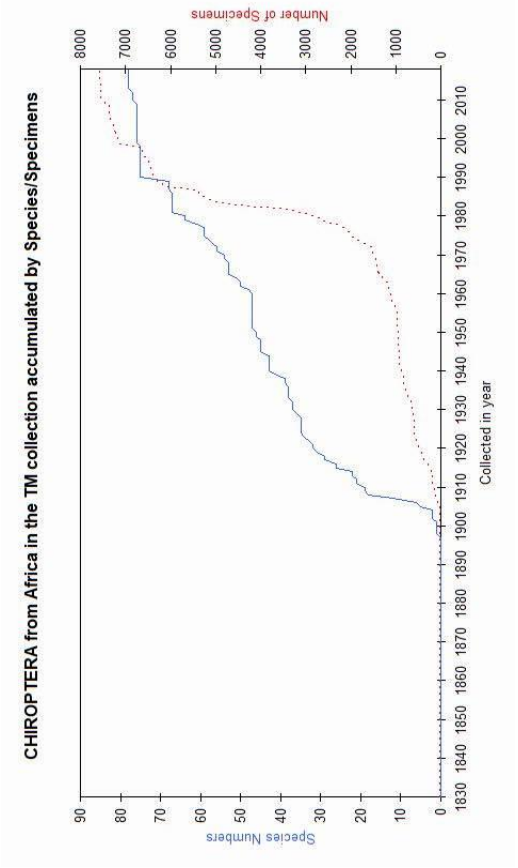
CHIROPTERA from Africa in the TM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

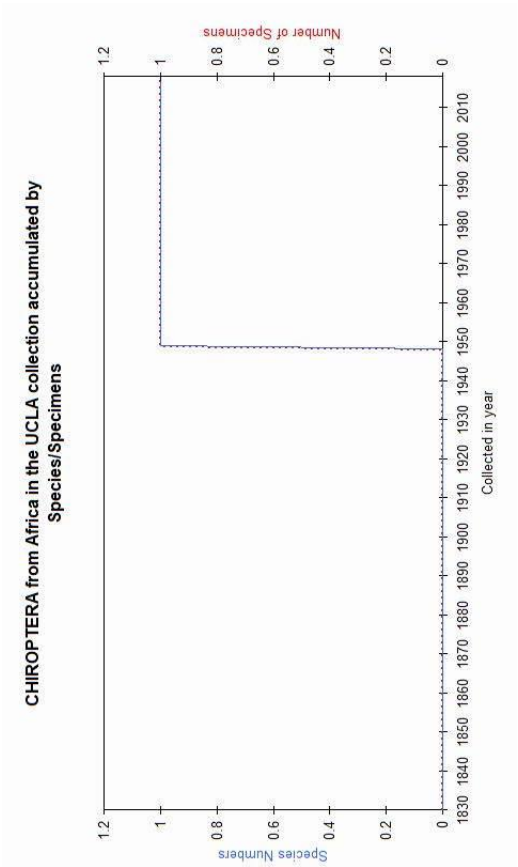
CHIROPTERA from Africa in the UCLA collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

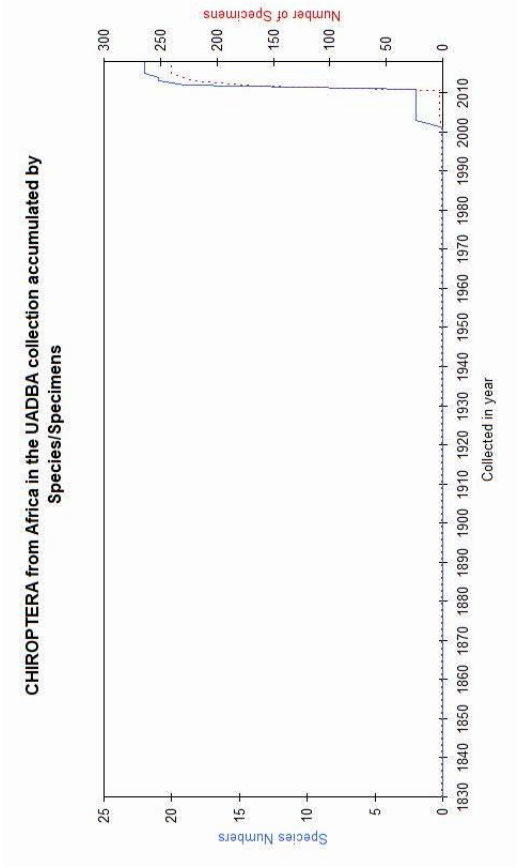
CHIROPTERA from Africa in the UADBA collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

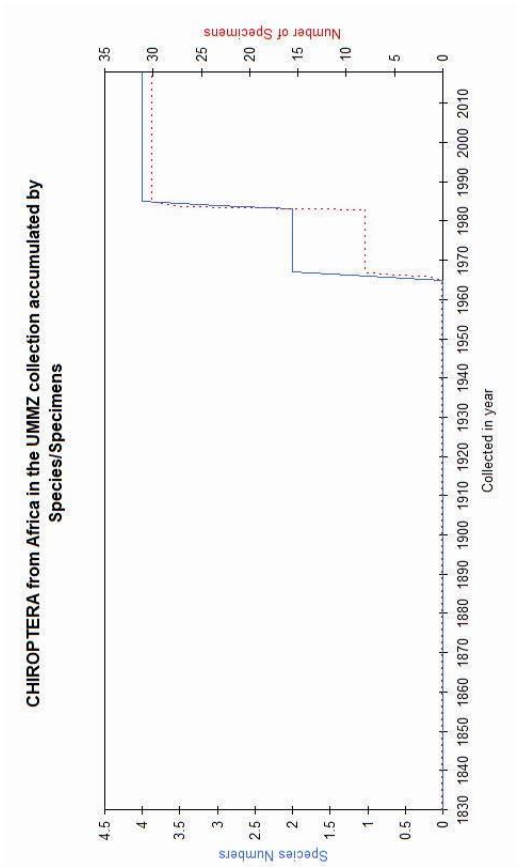
CHIROPTERA from Africa in the UMMZ collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

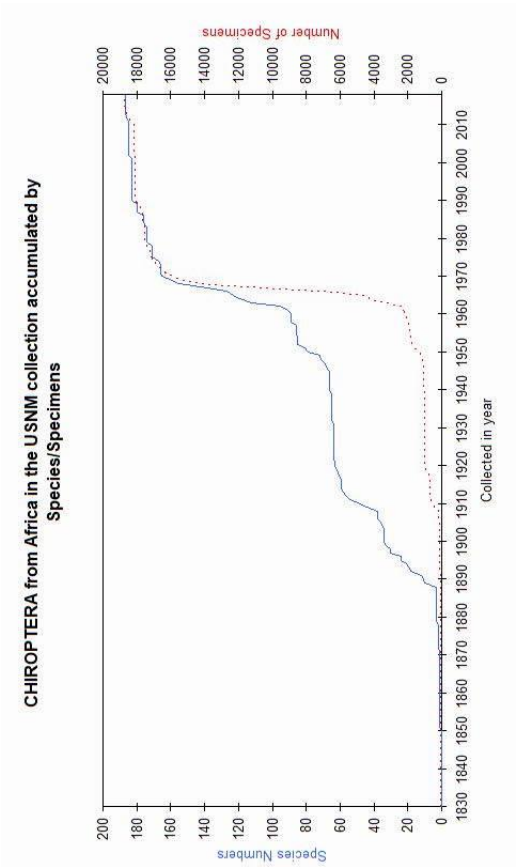
CHIROPTERA from Africa in the USNM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

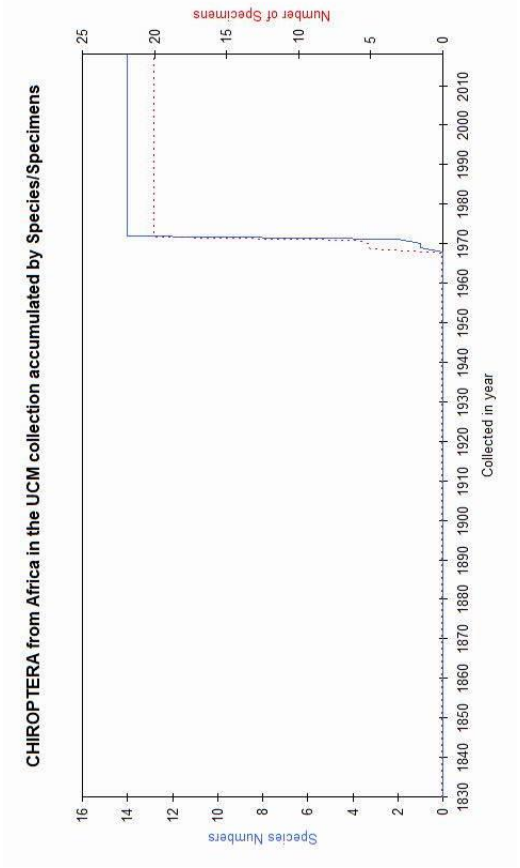
CHIROPTERA from Africa in the UCM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

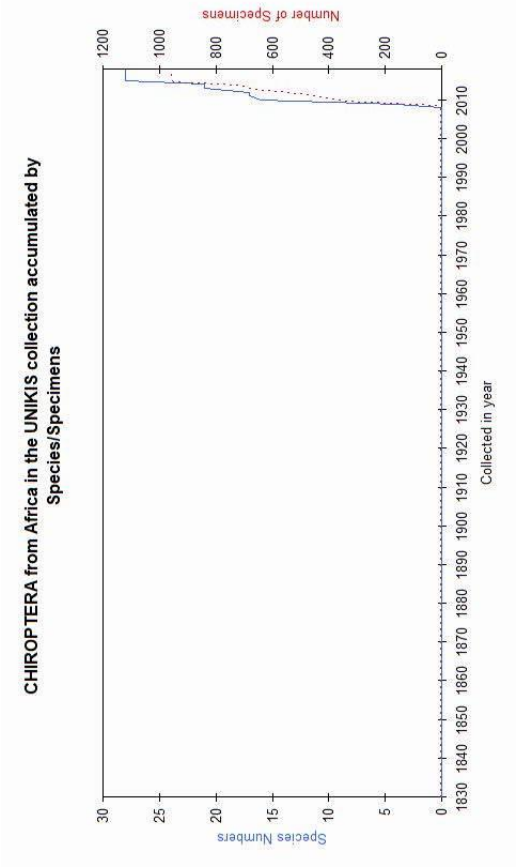
CHIROPTERA from Africa in the UNIKIS collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

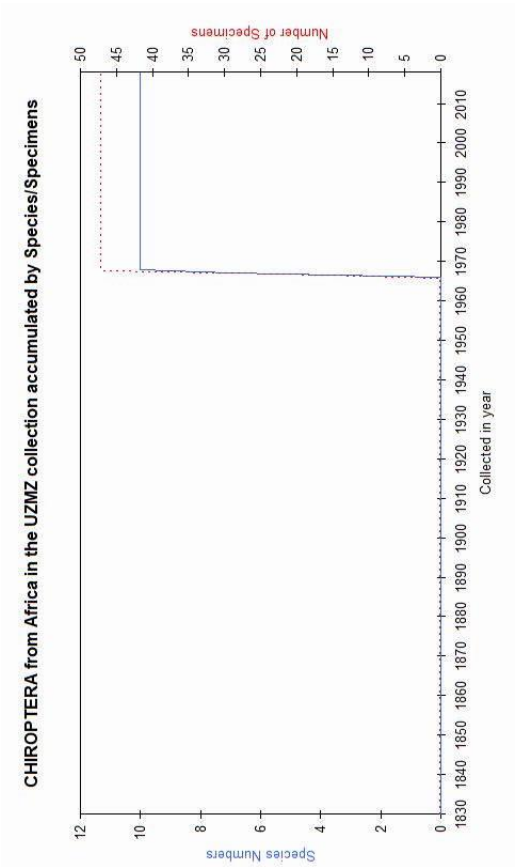
CHIROPTERA from Africa in the UZMZ collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

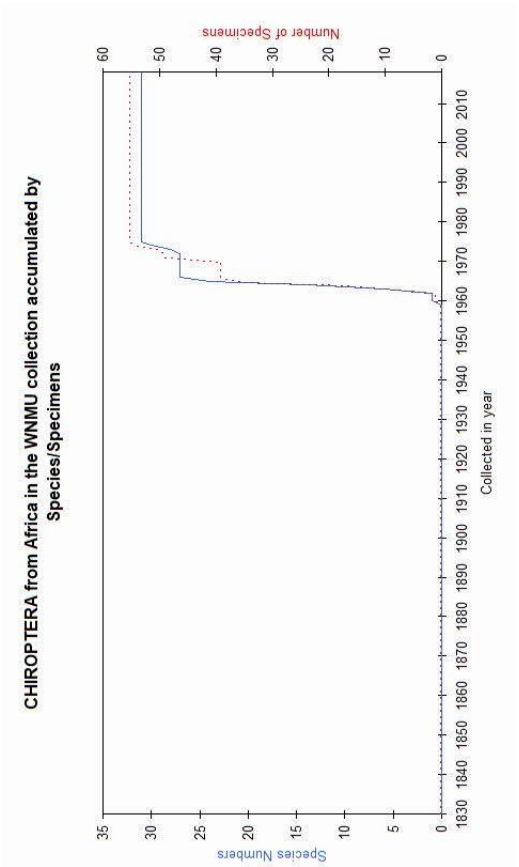
CHIROPTERA from Africa in the WNMU collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

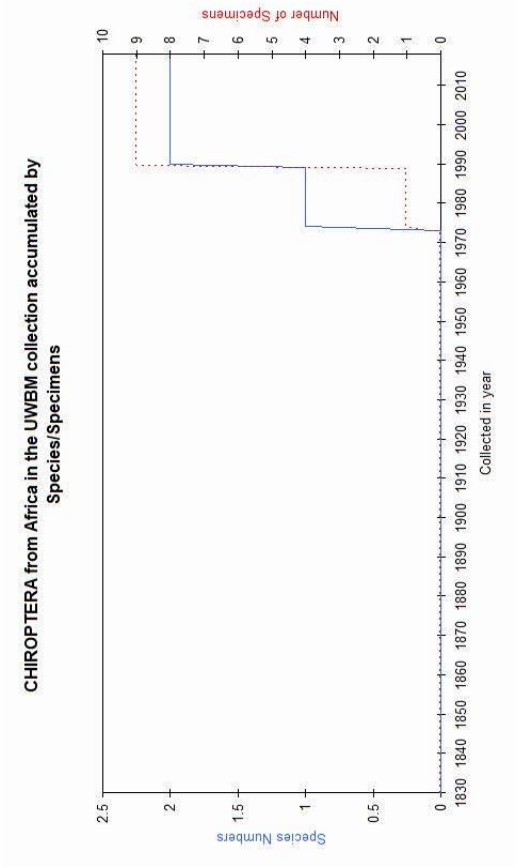
CHIROPTERA from Africa in the UWBM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

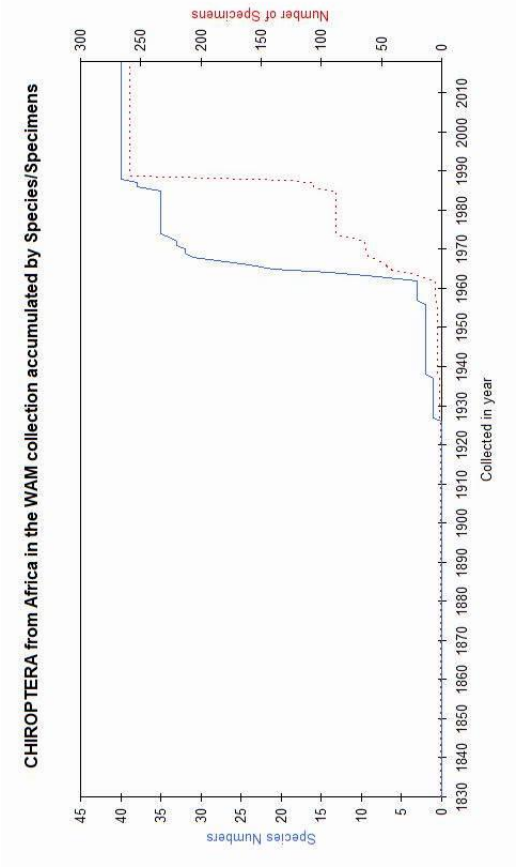
CHIROPTERA from Africa in the WAM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

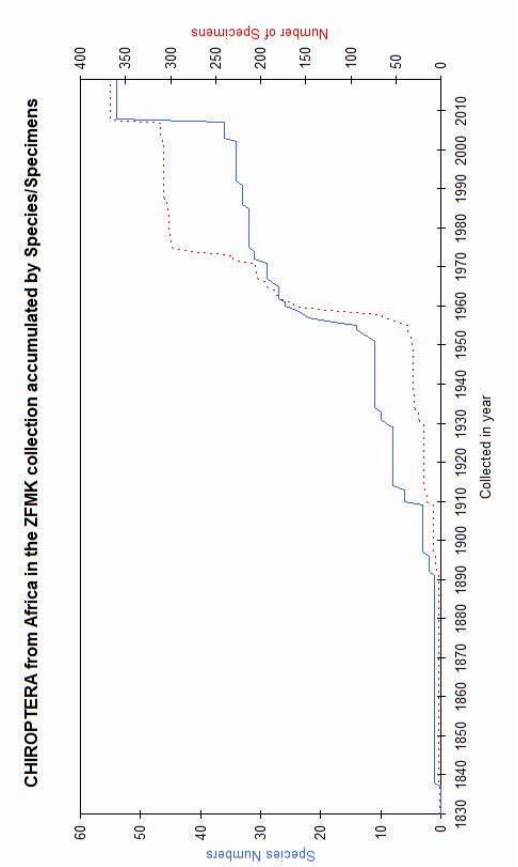
CHIROPTERA from Africa in the ZFMK collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

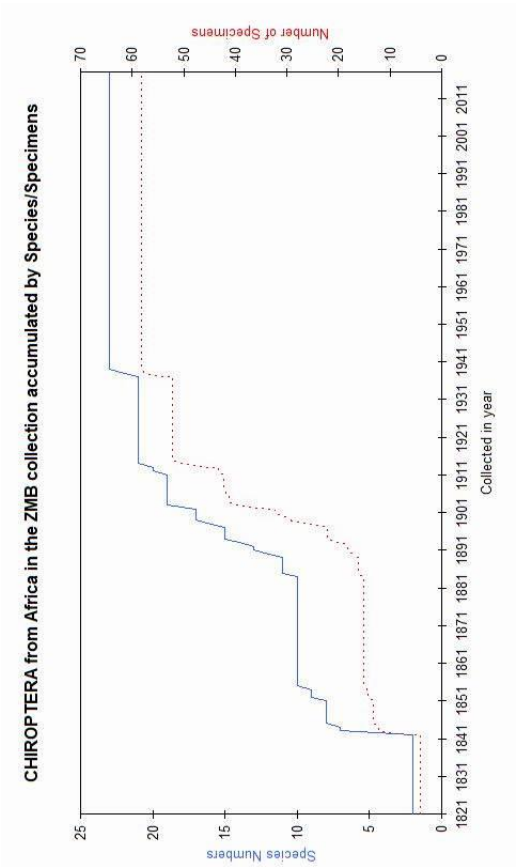
CHIROPTERA from Africa in the ZMB collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

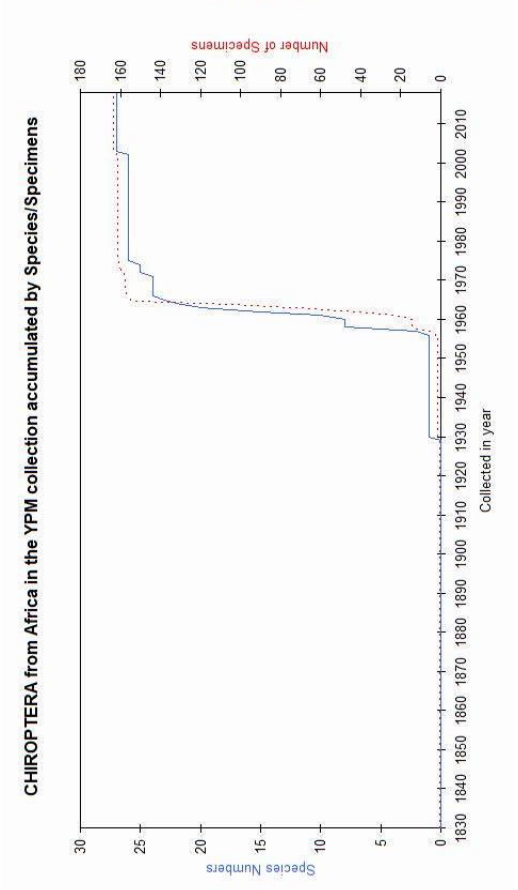
CHIROPTERA from Africa in the YPM collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

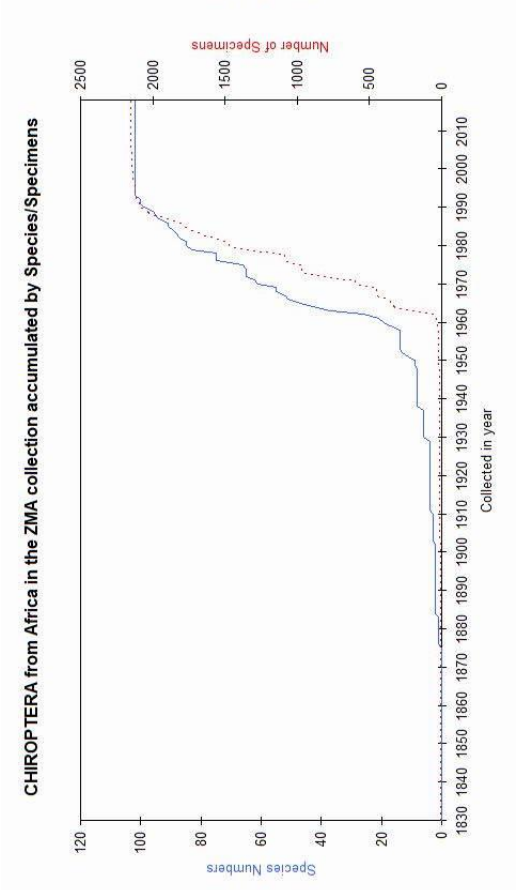
CHIROPTERA from Africa in the ZMA collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

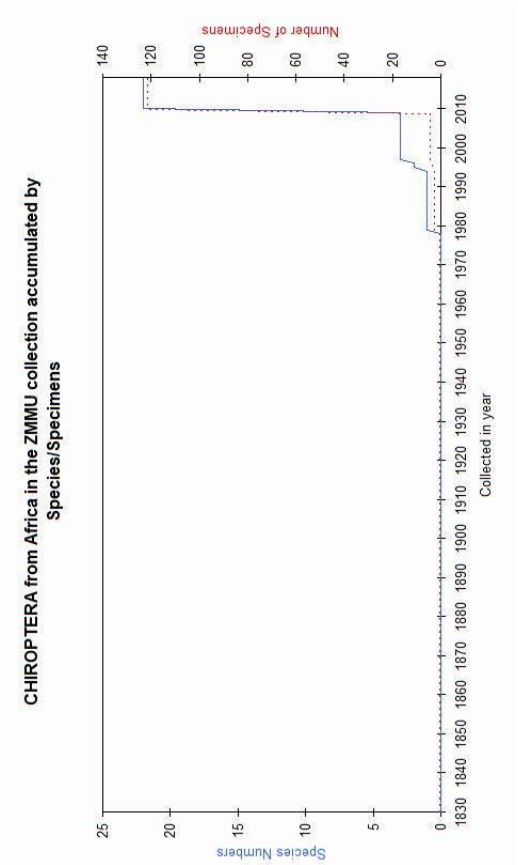
CHIROPTERA from Africa in the ZMMU collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

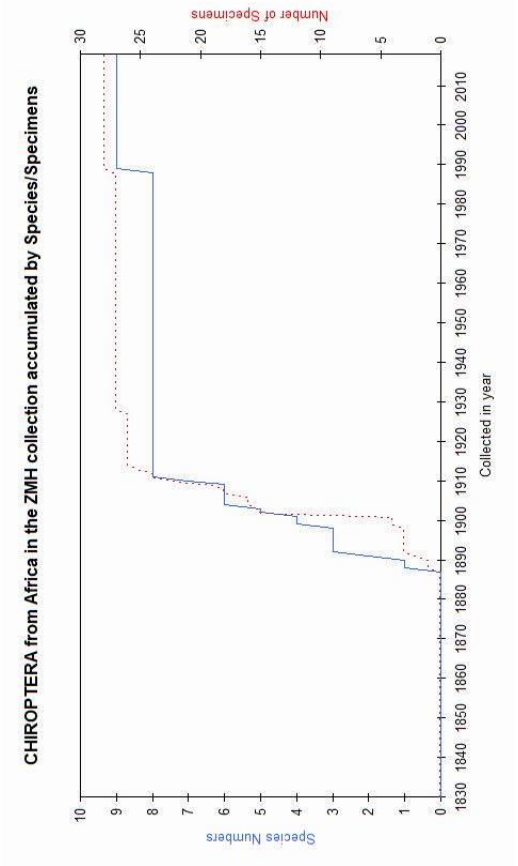
CHIROPTERA from Africa in the ZMH collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

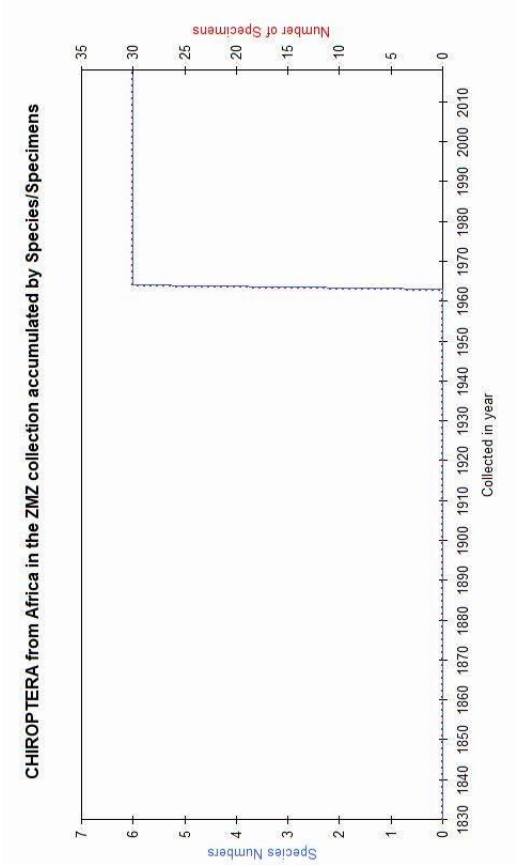
CHIROPTERA from Africa in the ZMZ collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

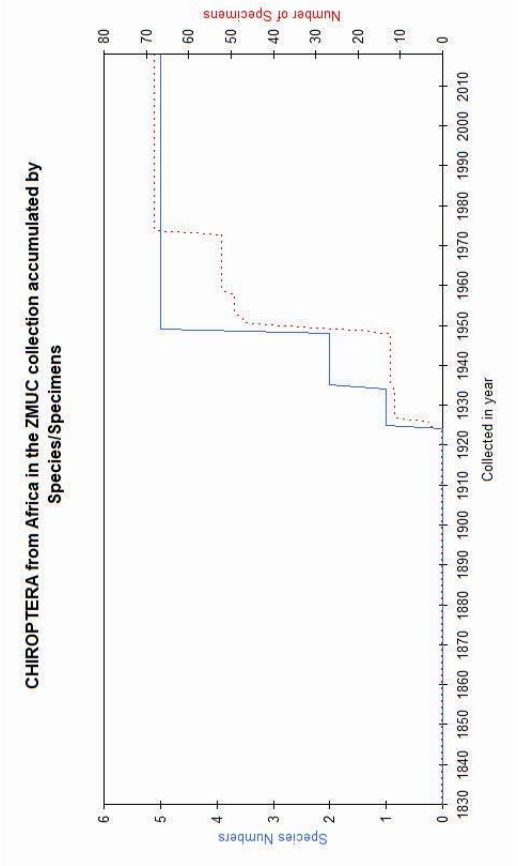
CHIROPTERA from Africa in the ZMUC collection accumulated by Species/Specimens
Species Numbers
Number of Specimens
Collected in year

Appendix 3: Synonyms

Appendix 3a: Synonyms by Name

This appendix contains all of the synonyms found in the literature (excluding new name combinations and lapsi calami). For each of these synonyms the current name is included to be able to link the name to the information in the main text and the other appendices.

Original Name	**Current Name**
? anjouanensis Dorst, 1960	*Myotis anjouanensis* (Dorst, 1960)
?Necromantis fragmentum Ravel, 2016	*Necromantis fragmentum* (Ravel, 2016)
?Palaeophyllophora tunisiensis Ravel, 2016	*Palaeophyllophora tunisiensis* (Ravel, 2016)
?Vespertiliavus aenigma Ravel, 2016	*Vespertiliavus aenigma* (Ravel, 2016)
[Epomophorus (]Nanonycteris[)] Matschie, 1899	*Nanonycteris* Matschie, 1899
[Epomophorus macrocephalus] var. angolensis Gray, 1870	*Epomophorus angolensis* Gray, 1870
[Epomophorus macrocephalus] var. unicolor Gray, 1870	*Epomophorus wahlbergi* (Sundevall, 1846)
[Nyctinomus (Nyctinomus) pumilus] Var. Major Trouessart, 1897	*Chaerephon major* (Trouessart, 1897)
[Pipistrellus Kühli] latastei Laurent, 1937	*Pipistrellus kuhlii* (Kuhl, 1817)
[Rhinolophus hipposideros] escaleræ K. Andersen, 1918	*Rhinolophus hipposideros* (Bechstein, 1800)
[Triaenops] furinea Tate, 1941	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
[Vesperugo (Vesperus) serotinus] Var. Gabonensis Trouessart, 1897	*Eptesicus isabellinus* (Temminck, 1840)
[Xantharpyia (]Myonycteris[)] Matschie, 1899	*Myonycteris* Matschie, 1899
acrotis G.M. Allen, 1914	*Rhinolophus fumigatus* Rüppell, 1842
Adelonycteris H. Allen, 1892	*Eptesicus* Rafinesque, 1820
Aegyptonycteridae Simmons, Seiffert and Gunnell, 2016	*AEGYPTONYCTERIDAE* Simmons, Seiffert and Gunnell, 2016
Aegyptonycteris Simmons, Seiffert and Gunnell, 2016	*Aegyptonycteris* Simmons, Seiffert and Gunnell, 2016
Aegyptonycteris knightae Simmons, Seiffert and Gunnell, 2016	*Aegyptonycteris knightae* Simmons, Seiffert and Gunnell, 2016
Aëorestes Fitzinger, 1870	*Myotis* Kaup, 1829
Afropipistrellus Thorn, Kock and Cuisin, 2007	*Pipistrellus* Kaup, 1829
Afropterus Lavocat, 1961	*Megaderma* E. Geoffroy St.-Hilaire, 1810
Afropterus gigas Lavocat, 1961	*Megaderma gaillardi* (Trouessart, 1898)
Afropterus gigas Lavocat, 1961	*Megaderma gigas* (Lavocat, 1961)
Allomops J.A. Allen, 1917	*Mops (Mops)* Lesson, 1842
Alobus Peters, 1868	*Pipistrellus* Kaup, 1829
Amblyotus Kolenati, 1858	*Eptesicus* Rafinesque, 1820
Anamygdon Troughton, 1929	*Myotis* Kaup, 1829
ANIMALIVORA Gill, 1872	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Aquias Gray, 1847	*Rhinolophus* Lacépède, 1799
Aristippe Kolenati, 1863	*Eptesicus* Rafinesque, 1820
Asellia Gray, 1838	*Asellia* Gray, 1838
Asellia patrizii de Beaux, 1931	*Asellia patrizii* de Beaux, 1931
Asellia tridens diluta K. Andersen, 1918	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Asellia tridens italo-somalica de Beaux, 1931	*Asellia italosomalica* de Beaux, 1931
Asellia tridens pallida Laurent, 1937	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Asellia vetus Lavocat, 1961	*Hipposideros vetus* (Lavocat, 1961)
Attalepharca Menu, 1987	*Pipistrellus* Kaup, 1829
Austronomus Troughton, 1941	*Tadarida* Rafinesque, 1814
Austronomus Iredale and Troughton, 1934	*Tadarida* Rafinesque, 1814
Barbastella Gray, 1821	*Barbastella* Gray, 1821
Barbastella barbastellus guanchae Trujillo, Ibáñez and Juste, 2002	*Barbastella barbastellus* (Schreber, 1774)
Barbastellus Kaup, 1829	*Barbastella* Gray, 1821
Barbastellus communis Gray, 1838	*Barbastella barbastellus* (Schreber, 1774)
Brachipposideros Sigé, 1968	*Brachipposideros* Sigé, 1968
Brachyotus Kolenati, 1856	*Myotis* Kaup, 1829
Brachyura Peters, 1865	*EMBALLONURIDAE* Gervais, 1855
Brevipalatus Hand and Archer, 2005	*Brevipalatus* Hand and Archer, 2005
C[oleura] g[allarum] nilosa Thomas, 1915	*Coleura afra* (Peters, 1852)

Original Name	Current Name
C[oleura] gallarum Thomas, 1915	*Coleura afra* (Peters, 1852)
C[oleura] silhouettæ Thomas, 1915	*Coleura seychellensis* Peters, 1868
Capaccinius Bonaparte, 1841	*Myotis* Kaup, 1829
Cardioderma Peters, 1873	*Cardioderma* Peters, 1873
Cardioderma leakeyi Gunnell, Butler, Greenwood and Simmons, 2015	*Cardioderma leakeyi* Gunnell, Butler, Greenwood and Simmons, 2015
Casinycteris Thomas, 1910	*Casinycteris* Thomas, 1910
Casinycteris argynnis Thomas, 1910	*Casinycteris argynnis* Thomas, 1910
Casinycteris campomaanensis Hassanin, 2014	*Casinycteris campomaanensis* Hassanin, 2014
Cateorus Kolenati, 1856	*Eptesicus* Rafinesque, 1820
Cephalotes teniotis Rafinesque, 1814	*Tadarida teniotis* (Rafinesque, 1814)
Cephalotidae Gray, 1821	*PTEROPODIDAE* Gray, 1821
Cercopteropus Burnett, 1829	*Rousettus* Gray, 1821
Cerivoula Blanford, 1891	*Kerivoula* Gray, 1842
Chærephon (Lophomops) J.A. Allen, 1917	*Chaerephon* Dobson, 1874
Chærephon (Lophomops) abæ J.A. Allen, 1917	*Chaerephon major* (Trouessart, 1897)
Chærephon (Lophomops) chapini J.A. Allen, 1917	*Chaerephon chapini* J.A. Allen, 1917
Chærephon (Lophomops) cristatus J.A. Allen, 1917	*Chaerephon leucogaster* (A. Grandidier, 1869)
Chaerephon (Lophomops) shortridgei Thomas, 1926	*Chaerephon chapini* J.A. Allen, 1917
Chaerephon atsinanana Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010	*Chaerephon atsinanana* Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
Chærephon emini Wroughton, 1911	*Mops (Mops) condylurus* (A. Smith, 1833)
Chærephon frater J.A. Allen, 1917	*Chaerephon leucogaster* (A. Grandidier, 1869)
Chaerephon jobimena Goodman and Cardiff, 2004	*Chaerephon jobimena* Goodman and Cardiff, 2004
Chærephon lancasteri Hayman, 1938	*Chaerephon chapini* J.A. Allen, 1917
Chaerephon leucostigma G.M. Allen, 1918	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
Chærephon nigeriæ Thomas, 1913	*Chaerephon nigeriae* Thomas, 1913
Chærephon nigeriæ Thomas, 1913	*Chaerephon nigeriae nigeriae* Thomas, 1913
Chaerephon pumilus naivashæ Hollister, 1916	*Chaerephon pumilus* (Cretzschmar, 1826)
Chærephon russatus J.A. Allen, 1917	*Chaerephon russatus* J.A. Allen, 1917
Chærophon (Lophomops) nigri Hatt, 1928	*Chaerephon leucogaster* (A. Grandidier, 1869)
Chaerophon pumilus elphicki Roberts, 1926	*Chaerephon pumilus* (Cretzschmar, 1826)
Chalinolobus , 9999	*Glauconycteris* Dobson, 1875
Chalinolobus argentatus Dobson, 1875	*Glauconycteris argentata* (Dobson, 1875)
Chalinolobus congicus Noack, 1889	*Glauconycteris argentata* (Dobson, 1875)
Chambinycteris Ravel, 2016	*Chambinycteris* Ravel, 2016
Chambinycteris pusilli Ravel, 2016	*Chambinycteris pusilli* Ravel, 2016
Chamtwaria Butler, 1984	*Chamtwaria* Butler, 1984
Chamtwaria pickfordi Butler, 1984	*Chamtwaria pickfordi* Butler, 1984
Cheiromelinae Legendre, 1984	*Molossinae* Gervais, 1856
CHEIROPTERA Gray, 1821	*CHIROPTERA* Blumenbach, 1779
CHEIROPTERA Flemming, 1822	*CHIROPTERA* Blumenbach, 1779
CHIROPTERA Blumenbach, 1779	*CHIROPTERA* Blumenbach, 1779
Choerephon (Lophomops) langi Roberts, 1932	*Chaerephon pumilus* (Cretzschmar, 1826)
Chœrephon websteri Dollman, 1908	*Chaerephon leucogaster* (A. Grandidier, 1869)
Chrysonycteris Gray, 1866	*Hipposideros* Gray, 1831
Chrysopteron Jentink, 1910	*Myotis* Kaup, 1829
Cistugo Thomas, 1912	*Cistugo* Thomas, 1912
Cistugo lesueuri Roberts, 1919	*Cistugo lesueuri* Roberts, 1919
Cistugo seabræ Thomas, 1912	*Cistugo seabrae* Thomas, 1912
Clœotis Thomas, 1901	*Cloeotis* Thomas, 1901
Clœotis Percivali Thomas, 1901	*Cloeotis percivali* Thomas, 1901
Clœotis percivali australis Roberts, 1917	*Cloeotis percivali* Thomas, 1901
Cnephæus Kaup, 1829	*Eptesicus* Rafinesque, 1820
Cœloephyllus Peters, 1867	*Rhinolophus* Lacépède, 1799
Coelopsinae Tate, 1941	*HIPPOSIDERIDAE* Lydekker, 1891
Colëura Peters, 1867	*Coleura* Peters, 1867
Coleura kibomalandy Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	*Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
Coleura kummeri Monard, 1939	*Coleura afra* (Peters, 1852)
Coleura muthokai Wesselman, 1984	*Coleura muthokai* Wesselman, 1984
Coleura seychellensis Peters, 1868	*Coleura seychellensis* Peters, 1868
Comastes Fitzinger, 1870	*Myotis* Kaup, 1829
Cyclorhina Peters, 1871	*Hipposideros* Gray, 1831
Cynonycteris Peters, 1852	*Rousettus* Gray, 1821
Cynonycteris Angolensis Bocage, 1898	*Myonycteris angolensis* (Bocage, 1898)

Original Name	Current Name
Cynonycteris Angolensis Bocage, 1898	*Myonycteris angolensis angolensis* (Bocage, 1898)
Cynonycteris brachycephala Bocage, 1889	*Myonycteris brachycephala* (Bocage, 1889)
Cynonycteris torquata Dobson, 1878	*Myonycteris torquata torquata* (Dobson, 1878)
Cynonycteris torquata Dobson, 1878	*Myonycteris torquata* (Dobson, 1878)
Cynopterinae K. Andersen, 1912	*Pteropodinae* Gray, 1821
Cynopterini Koopman and J.K. Jones Jr., 1970	*Pteropodinae* Gray, 1821
Cynopterus collaris Gray, 1870	*Myonycteris torquata* (Dobson, 1878)
DERMAPTERA Aristotle, -330	*CHIROPTERA* Blumenbach, 1779
Dhofarella Sigé, Thomas, Sen, Gheerbrant, Roger and Al-Sulaimani, 1994	*Dhofarella* Sigé, Thomas, Sen, Gheerbrant, Roger, and Al-Sulaimani, 1985
Dhofarella sigei Gunnell, Simons and Seiffert, 2008	*Dhofarella sigei* Gunnell, Simons and Seiffert, 2008
Dhofarella thaleri Sigé, Thomas, Sen, Gheerbrant, Roger and Al-Sulaimani, 1994	*Dhofarella thaleri* Sigé et al., 1994
Dichromyotis Bianchi, 1917	*Myotis* Kaup, 1829
Diclidurina Gray, 1866	*EMBALLONURIDAE* Gervais, 1855
Diclidurinae Miller, 1907	*EMBALLONURIDAE* Gervais, 1855
Dinops Savi, 1825	*Tadarida* Rafinesque, 1814
Dinops Cestonii Savi, 1825	*Tadarida teniotis* (Rafinesque, 1814)
Dizzya Sigé, 1991	*Dizzya* Sigé, 1991
Dizzya exsultans Sigé, 1991	*Dizzya exsultans* Sigé, 1991
Doryrhina Peters, 1871	*Doryrhina* Peters, 1871
Drakonycteris Ravel, 2016	*Drakonycteris* Ravel, 2016
Drakonycteris glibzegdouensis Ravel, 2016	*Drakonycteris glibzegdouensis* Ravel, 2016
Dysopes Cretzschmar, 1830-1831	*Tadarida* Rafinesque, 1814
Dysopes brachypterus Peters, 1852	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Dysopes dubius Peters, 1852	*Chaerephon pumilus* (Cretzschmar, 1826)
Dysopes geoffroyi Temminck, 1827	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Dysopes hepaticus Heuglin, 1864	*Mops (Mops) condylurus* (A. Smith, 1833)
Dysopes limbatus Peters, 1852	*Chaerephon pumilus* (Cretzschmar, 1826)
Dysopes midas Sundevall, 1843	*Mops (Mops) midas* (Sundevall, 1843)
Dysopes midas Sundevall, 1843	*Mops (Mops) midas midas* (Sundevall, 1843)
Dysopes natalensis A. Smith, 1847	*Mormopterus acetabulosus natalensis* (A. Smith, 1847)
Dysopes pumilus Cretzschmar, 1826	*Chaerephon pumilus* (Cretzschmar, 1826)
Dysopes rüpelii Temminck, 1827	*Tadarida teniotis* (Rafinesque, 1814)
Dysopes Savii Schinz, 1840	*Tadarida teniotis* (Rafinesque, 1814)
Dysopes talpinus Heuglin, 1877	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
E[uryalus] atlanticus K. Andersen and Matschie, 1904	*Rhinolophus euryale* Blasius, 1853
E[uryalus] barbarus K. Andersen and Matschie, 1904	*Rhinolophus mehelyi* Matschie, 1901
E[uryalus] Cabreræ K. Andersen and Matschie, 1904	*Rhinolophus euryale* Blasius, 1853
E[uryalus] meridionalis K. Andersen and Matschie, 1904	*Rhinolophus mehelyi* Matschie, 1901
Eidolinae Almeida, Giannini and Simmons, 2016	*Eidolinae* Almeida, Giannini and Simmons, 2016
Eidolon Rafinesque, 1815	*Eidolon* Rafinesque, 1815
Eidolon helvum annobonensis Juste, Ibáñez and Machordom, 2000	*Eidolon helvum helvum* (Kerr, 1792)
Eleutherura Gray, 1844	*Rousettus* Gray, 1821
Eleutherura unicolor Gray, 1870	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Emballonura afra Peters, 1852	*Coleura afra* (Peters, 1852)
Emballonura atrata Peters, 1874	*Paremballonura atrata* (Peters, 1874)
Emballonura tiavato Goodman, Cardiff, Ranivo, Russell and Yoder, 2006	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Emballonuridae Gervais, 1855	*EMBALLONURIDAE* Gervais, 1855
Emballonurina Gray, 1866	*EMBALLONURIDAE* Gervais, 1855
Emballonuroidea Teeling, Springer, Madsen, Bates, O'Brien, and Murphy, 2005	*NYCTEROIDEA* Van der Hoeven, 1855
Eomops Thomas, 1905	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Ep[omophorus (Epomophorus)] büttikoferi Matschie, 1899	*Epomops buettikoferi* (Matschie, 1899)
Ep[omophorus (Epomophorus)] doriae Matschie, 1899	*Epomophorus labiatus* (Temminck, 1837)
Ep[omophorus (Epomophorus)] neumanni Matschie, 1899	*Epomophorus wahlbergi* (Sundevall, 1846)

Original Name	Current Name
Ep[omophorus (Epomophorus)] stuhlmanni Matschie, 1899	*Epomophorus wahlbergi* (Sundevall, 1846)
Ep[omophorus (Epomophorus)] zechi Matschie, 1899	*Epomophorus gambianus gambianus* (Ogilby, 1835)
Ep[omophorus (Epomophorus)] zenkeri Matschie, 1899	*Epomophorus wahlbergi* (Sundevall, 1846)
Epomophorina Gray, 1866	*Pteropodinae* Gray, 1821
Epomophorinae K. Andersen, 1912	*Rousettinae* Andersen, 1912
Epomophorus Bennett, 1836	*Epomophorus* Bennett, 1836
Epomophorus anchietæ Seabra, 1900	*Plerotes anchietae* (Seabra, 1900)
Epomophorus anselli Bergmans and Van Strien, 2004	*Epomophorus anselli* Bergmans and Van Strien, 2004
Epomophorus anurus Heuglin, 1864	*Epomophorus labiatus* (Temminck, 1837)
Epomophorus comptus H. Allen, 1862	*Epomops franqueti* (Tomes, 1860)
Epomophorus crypturus Peters, 1852	*Epomophorus crypturus* Peters, 1852
Epomophorus Dobsonii Bocage, 1889	*Epomophorus dobsonii* Bocage, 1889
Epomophorus franqueti Tomes, 1860	*Epomops franqueti* (Tomes, 1860)
Epomophorus gambianus parvus Ansell, 1960	*Epomophorus crypturus* Peters, 1852
Epomophorus guineensis Bocage, 1898	*Epomophorus gambianus* (Ogilby, 1835)
Epomophorus guineensis Bocage, 1898	*Epomophorus gambianus gambianus* (Ogilby, 1835)
Epomophorus labiatus anurus	*Epomophorus minor* Dobson, 1880
Epomophorus macrocephalus Peters, 1876	*Hypsignathus monstrosus* H. Allen, 1862
Epomophorus macrocephalus var. unicolor Gray, 1870	*Epomophorus wahlbergi* (Sundevall, 1846)
Epomophorus minimus Claessen and De Vree, 1991	*Epomophorus minimus* Claessen & De Vree, 1991
Epomophorus minor Dobson, 1880	*Epomophorus minor* Dobson, 1880
Epomophorus pousarguesi Trouessart, 1904	*Epomophorus gambianus pousarguesi* Trouessart, 1904
Epomophorus pusillus Peters, 1868	*Micropteropus pusillus* (Peters, 1868)
Epomophorus reii Aellen, 1950	*Epomophorus gambianus gambianus* (Ogilby, 1835)
Epomophorus reii Aellen, 1950	*Epomophorus labiatus* (Temminck, 1837)
Epomophorus sp. Hill and Morris, 1971	*Epomophorus labiatus* (Temminck, 1837)
Epomophorus veldkampii Jentink, 1888	*Nanonycteris veldkampii* (Jentink, 1888)
Epomops Gray, 1870	*Epomops* Gray, 1866
Epomops franqueti strepitans K. Andersen, 1910	*Epomops franqueti* (Tomes, 1860)
Eptesicops Roberts, 1926	*Pipistrellus* Kaup, 1829
Eptesicus Rafinesque, 1820	*Eptesicus* Rafinesque, 1820
Eptesicus ater J.A. Allen, 1917	*Neoromicia tenuipinnis* (Peters, 1872)
Eptesicus capensis angolensis J.Eric Hill, 1937	*Pipistrellus grandidieri* (Dobson, 1876)
Eptesicus capensis nkatiensis Roberts, 1932	*Neoromicia capensis* (A. Smith, 1829)
Eptesicus faradjius J.A. Allen, 1917	*Neoromicia rendalli* (Thomas, 1889)
Eptesicus garambæ J.A. Allen, 1917	*Neoromicia capensis* (A. Smith, 1829)
Eptesicus hottentotus bensoni Roberts, 1946	*Eptesicus hottentotus* (A. Smith, 1833)
Eptesicus hottentotus portavernus Schlitter and Aggundey, 1986	*Eptesicus hottentotus* (A. Smith, 1833)
Eptesicus loveni Granvik, 1924	*Myotis tricolor* (Temminck, 1832)
Eptesicus megalurus pallidior Shortridge, 1942	*Eptesicus hottentotus* (A. Smith, 1833)
Eptesicus melckorum Roberts, 1919	*Neoromicia capensis* (A. Smith, 1829)
Eptesicus phasma G.M. Allen, 1911	*Neoromicia rendalli* (Thomas, 1889)
Eptesicus rectitragus Wettstein, 1916	*Neoromicia guineensis* (Bocage, 1889)
Eptesicus somalicus malagasyensis Peterson, Eger and Mitchell, 1995	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
Eptesicus ugandæ Hollister, 1916	*Neoromicia somalica* (Thomas, 1901)
Eptesicus zuluensis Roberts, 1924	*Neoromicia zuluensis* (Roberts, 1924)
Eucheira Hodgson, 1847	*Megaderma* E. Geoffroy St.-Hilaire, 1810
Eunycteris Gray, 1866	*Pteropus* Erxleben, 1777
Euryalus Matschie, 1901	*Rhinolophus* Lacépède, 1799
Euvespertilio Acloque, 1899	*Myotis* Kaup, 1829
Euvesperugo Acloque, 1899	*Pipistrellus* Kaup, 1829
Exochurus Fitzinger, 1870	*Myotis* Kaup, 1829
FRUCTIVORAE Gray, 1821	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
FRUGIVORA Giebel, 1855	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Glauconycteris Dobson, 1875	*Glauconycteris* Dobson, 1875
Glauconycteris alboguttatus J.A. Allen, 1917	*Glauconycteris alboguttata* J.A. Allen, 1917
Glauconycteris atra Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017	*Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017

Original Name	Current Name
Glauconycteris beatrix Thomas, 1901	*Glauconycteris beatrix* Thomas, 1901
Glauconycteris curryi Eger and Schlitter, 2001	*Glauconycteris curryae* Eger and Schlitter, 2001
Glauconycteris egeria Thomas, 1913	*Glauconycteris egeria* Thomas, 1913
Glauconycteris Floweri de Winton, 1901	*Eptesicus floweri* (de Winton, 1901)
Glauconycteris gleni Peterson and Smith, 1973	*Glauconycteris gleni* Peterson and Smith, 1973
Glauconycteris humeralis J.A. Allen, 1917	*Glauconycteris humeralis* J.A. Allen, 1917
Glauconycteris kenyacola Peterson, 1982	*Glauconycteris kenyacola* Peterson, 1982
Glauconycteris machadoi Hayman, 1963	*Glauconycteris machadoi* Hayman, 1963
Glauconycteris papilio Thomas, 1905	*Glauconycteris variegata* (Tomes, 1861)
Glauconycteris phalæna Thomas, 1915	*Glauconycteris variegata* (Tomes, 1861)
Glauconycteris superba Hayman, 1939	*Glauconycteris superba* Hayman, 1939
Glauconycteris superba sheila Hayman, 1947	*Glauconycteris superba* Hayman, 1939
Gloionycteris Gray, 1866	*Hipposideros* Gray, 1831
Gymnorhina Giebel, 1855	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Gymnorhina Wagner, 1843	*VESPERTILIONIDAE* Gray, 1821
Gymnorhinida Fatio, 1869	*VESPERTILIONIDAE* Gray, 1821
Gymnuridae Ameghino, 1889	*MOLOSSIDAE* Gervais, 1856
H[ipposiderus]. gigas gambiensis K. Andersen, 1906	*Macronycteris gigas* (Wagner, 1845)
H[ypsignathus] monstrosus H. Allen, 1862	*Hypsignathus monstrosus* H. Allen, 1862
Harpyidae H. Smith, 1842	*PTEROPODIDAE* Gray, 1821
Hesperomyotis Cabrera, 1958	*Myotis* Kaup, 1829
Hipposideridae Lydekker, 1891	*HIPPOSIDERIDAE* Lydekker, 1891
Hipposiderinae Lydekker, 1891	*HIPPOSIDERIDAE* Lydekker, 1891
Hipposideros Gray, 1831	*Hipposideros* Gray, 1831
Hipposideros (Pseudorhinolophus) africanum Ravel, 2016	*Hipposideros africanum* Ravel, 2016
Hipposideros (Pseudorhinolophus) amenhotepos Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, 2015	*Hipposideros amenhotepos* Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, 2015
Hipposideros abæ J.A. Allen, 1917	*Hipposideros abae* J.A. Allen, 1917
Hipposideros beatus maximus Verschuren, 1957	*Hipposideros beatus* (K. Andersen, 1906)
Hipposideros besaoka Samonds, 2007	*Hipposideros besaoka* Samonds, 2007
Hipposideros braima Monard, 1939	*Hipposideros tephrus* (Cabrera, 1906)
Hipposideros caffer aurantiaca de Beaux, 1924	*Hipposideros caffer* (Sundevall, 1846)
Hipposideros caffer niapu J.A. Allen, 1917	*Hipposideros ruber* (Noack, 1893)
Hipposideros camerunensis Eisentraut, 1956	*Hipposideros camerunensis* Eisentraut, 1956
Hipposideros Commersoni mostellum Thomas, 1904	*Macronycteris vittatus* (Peters, 1852)
Hipposideros cryptovalorona Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
Hipposideros curtus G.M. Allen, 1921	*Hipposideros curtus* G.M. Allen, 1921
Hipposideros gigas niangaræ J.A. Allen, 1917	*Macronycteris gigas* (Wagner, 1845)
Hipposideros gigas viegasi Monard, 1939	*Macronycteris gigas* (Wagner, 1845)
Hipposideros jonesi Hayman, 1947	*Hipposideros jonesi* Hayman, 1947
Hipposideros kaumbului Wesselman, 1984	*Hipposideros kaumbului* Wesselman, 1984
Hipposideros lamottei Brosset, 1985	*Hipposideros lamottei* Brosset, 1985
Hipposideros langi J.A. Allen, 1917	*Doryrhina cyclops* (Temminck, 1853)
Hipposideros marisae Aellen, 1954	*Hipposideros marisae* Aellen, 1954
Hipposideros nanus J.A. Allen, 1917	*Hipposideros caffer* (Sundevall, 1846)
Hipposideros sandersoni Sanderson, 1937	*Hipposideros curtus* G.M. Allen, 1921
Hipposiderus Gray, 1834	*Hipposideros* Gray, 1831
Hipposiderus beatus K. Andersen, 1906	*Hipposideros beatus* (K. Andersen, 1906)
Hipposiderus caffer centralis K. Andersen, 1906	*Hipposideros ruber* (Noack, 1893)
Hipposiderus caffer guineensis K. Andersen, 1906	*Hipposideros ruber* (Noack, 1893)
Hipposiderus tephrus Cabrera, 1906	*Hipposideros tephrus* (Cabrera, 1906)
Histiorhina Van der Hoeven, 1855	*RHINOLOPHIDAE* Gray, 1825
Hypsignathus H. Allen, 1862	*Hypsignathus* H. Allen, 1862
Hypsignathus haldemani Matschie, 1899	*Hypsignathus monstrosus* H. Allen, 1862
Hypsugo Kolenati, 1856	*Hypsugo* Kolenati, 1856
Hypsugo bemainty Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015	*Hypsugo bemainty* Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015

Original Name	Current Name
Indorhinolophus Guillén-Servent, Francis and Ricklefs, 2003	*Rhinolophus* Lacépède, 1799
INSECTIVORAE Gray, 1821	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Isotus Kolenati, 1856	*Myotis* Kaup, 1829
Kehelvoulha Jentink, 1904	*Kerivoula* Gray, 1842
Kerivoula Gray, 1842	*Kerivoula* Gray, 1842
Kerivoula africana Dobson, 1878	*Kerivoula africana* Dobson, 1878
Kerivoula argentata Tomes, 1861	*Kerivoula argentata* Tomes, 1861
Kerivoula brunnea Dobson, 1878	*Kerivoula lanosa* (A. Smith, 1847)
Kerivoula cuprosa Thomas, 1912	*Kerivoula cuprosa* Thomas, 1912
Kerivoula harrisoni Thomas, 1901	*Kerivoula lanosa* (A. Smith, 1847)
Kerivoula harrisoni bellula Aellen, 1959	*Kerivoula lanosa* (A. Smith, 1847)
Kerivoula lucia Hinton, 1920	*Kerivoula lanosa* (A. Smith, 1847)
Kerivoula lueia Kershaw, 1922	*Kerivoula lanosa* (A. Smith, 1847)
Kerivoula muscilla Thomas, 1906	*Kerivoula lanosa* (A. Smith, 1847)
Kerivoula nidicola zuluensis Roberts, 1924	*Kerivoula argentata* Tomes, 1861
Kerivoula phalæna Thomas, 1912	*Kerivoula phalaena* Thomas, 1912
Kerivoula poensis Gray, 1842	*Glauconycteris poensis* (Gray, 1842)
Kerivoula Smithii Thomas, 1880	*Kerivoula smithii* Thomas, 1880
Kerivoulinae Miller, 1907	*Kerivoulinae* Miller, 1907
Khonsunycteris Gunnell, Simons and Seiffert, 2008	*Khonsunycteris* Gunnell, Simons and Seiffert, 2008
Khonsunycteris aegypticus Gunnell, Simons and Seiffert, 2008	*Khonsunycteris aegypticus* Gunnell, Simons and Seiffert, 2008
Khoufechia Ravel, 2016	*Khoufechia* Ravel, 2016
Khoufechia gunnelli Ravel, 2016	*Khoufechia gunnelli* Ravel, 2016
Kirivoula Gervais, 1849	*Kerivoula* Gray, 1842
Læphotis Thomas, 1901	*Laephotis* Thomas, 1901
Laephotis angolensis Monard, 1935	*Laephotis angolensis* Monard, 1935
Laephotis botswanae Setzer, 1971	*Laephotis botswanae* Setzer, 1971
Laephotis cf. angolensis	*Laephotis angolensis* Monard, 1935
Laephotis namibensis Setzer, 1971	*Laephotis namibensis* Setzer, 1971
Læphotis Wintoni Thomas, 1901	*Laephotis wintoni* Thomas, 1901
Lavia Gray, 1838	*Lavia* Gray, 1838
Lavia frons affinis K. Andersen and Wroughton, 1907	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Lavia rex Miller, 1905	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Leiponyx Jentink, 1881	*Eidolon* Rafinesque, 1815
Leiponyx büttikoferi Jentink, 1881	*Eidolon helvum helvum* (Kerr, 1792)
Liponycteris Thomas, 1922	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Liponyx Forbes, 1882	*Eidolon* Rafinesque, 1815
Lissonycteris angolensis goliath Bergmans, 1997	*Myonycteris angolensis goliath* (Bergmans, 1997)
Lissonycteris angolensis petraea Bergmans, 1997	*Myonycteris angolensis petraea* (Bergmans, 1997)
Loeconoë Boie, 1830	*Myotis* Kaup, 1829
Lyroderma Peters, 1872	*Megaderma* E. Geoffroy St.-Hilaire, 1810
M[acronycteris] cryptovalorona Foley, Goodman, Whelan, Puechmaille and Teeling, 2017	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
Macronycteris Gray, 1866	*Macronycteris* Gray, 1866
Macrotus Leach, 1816	*Plecotus* E. Geoffroy St.-Hilaire, 1818
major E. Geoffroy Saint-Hilaire, 1803	*Rhinolophus ferrumequinum* (Schreber, 1774)
MEGACHIROPTERA Dobson, 1875	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Megaderma E. Geoffroy St.-Hillaire, 1810	*Megaderma* E. Geoffroy St.-Hilaire, 1810
Megaderma cor Peters, 1872	*Cardioderma cor* (Peters, 1872)
Megaderma frons E. Geoffroy Saint-Hilaire, 1810	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Megaderma jaegeri Sigé, 1976	*Megaderma jaegeri* Sigé, 1976
Megadermata Peters, 1865	*MEGADERMATIDAE* H. Allen, 1864
Megadermatidae H. Allen, 1864	*MEGADERMATIDAE* H. Allen, 1864
Megadermidae Gill, 1872	*MEGADERMATIDAE* H. Allen, 1864
Megadermina Gray, 1866	*MEGADERMATIDAE* H. Allen, 1864
Megaloglossus Pagenstecher, 1885	*Megaloglossus* Pagenstecher, 1885
Megaloglossus azagnyi Nesi, Kadjo and Hassanin, 2012	*Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012
Megaloglossus woermanni Pagenstecher, 1885	*Megaloglossus woermanni* Pagenstecher, 1885
Megaloglossus woermanni prigoginei Hayman, 1966	*Megaloglossus woermanni* Pagenstecher, 1885
Megapipistrellus Bianchi, 1917	*Myotis* Kaup, 1829
Meteorus Kolenati, 1856	*Eptesicus* Rafinesque, 1820

Original Name	Current Name
MICROCHIROPTERA Dobson, 1875	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
MICROCHIROPTERA Dobson, 1875	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Micropteropus Matschie, 1899	*Micropteropus* Matschie, 1899
Micropteropus grandis Sanborn, 1950	*Epomophorus grandis* (Sanborn, 1950)
Micropteropus intermedius Hayman, 1963	*Micropteropus intermedius* Hayman, 1963
midas Schulze, 1897	*Tadarida teniotis* (Rafinesque, 1814)
Mimetillus Thomas, 1904	*Mimetillus* Thomas, 1904
Mimetillus berneri Monard, 1933	*Mimetillus thomasi* Hinton, 1920
Mimetillus thomasi Hinton, 1920	*Mimetillus thomasi* Hinton, 1920
Miniopterae Trouessart, 1898	*MINIOPTERIDAE* Dobson, 1875
Miniopteri Dobson, 1875	*MINIOPTERIDAE* Dobson, 1875
Miniopteridae Dobson, 1875	*MINIOPTERIDAE* Dobson, 1875
Miniopterus Bonaparte, 1837	*Miniopterus* Bonaparte, 1837
Miniopterus aelleni Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
Miniopterus africanus Sanborn, 1936	*Miniopterus africanus* Sanborn, 1936
Miniopterus ambohitrensis Goodman, Ramasindrazana, Naughton and Appleton, 2015	*Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015
Miniopterus brachytragos Goodman, Maminirina, Bradman, Christidis and Appleton, 2009	*Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Miniopterus breyeri Jameson, 1909	*Miniopterus natalensis* (A. Smith, 1833)
Miniopterus breyeri vicinior J.A. Allen, 1917	*Miniopterus fraterculus* Thomas and Schwann, 1906
Miniopterus egeri Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
Miniopterus fraterculus Thomas and Schwann, 1906	*Miniopterus fraterculus* Thomas and Schwann, 1906
Miniopterus gleni Peterson, Eger and Mitchell, 1995	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
Miniopterus griffithsi Goodman, Maminirina, Bradman, Christidis and Appleton, 2009	*Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Miniopterus horaceki Gunnell, Eiting, and Geraads, 2011	*Miniopterus horaceki* Gunnell, Eiting, and Geraads, 2011
Miniopterus inflatus Thomas, 1903	*Miniopterus inflatus inflatus* Thomas, 1903
Miniopterus inflatus Thomas, 1903	*Miniopterus inflatus* Thomas, 1903
Miniopterus inflatus villiersi Aellen, 1956	*Miniopterus schreibersii* (Kuhl, 1817)
Miniopterus maghrebensis Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Miniopterus mahafaliensis Goodman, Bradman, Christides and Appleton, 2009	*Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009
Miniopterus Majori Thomas, 1906	*Miniopterus majori* Thomas, 1906
Miniopterus manavi Thomas, 1906	*Miniopterus manavi* Thomas, 1906
Miniopterus minor Peters, 1867	*Miniopterus minor* Peters, 1867
Miniopterus minor griveaudi Harrison, 1959	*Miniopterus griveaudi* Harrison, 1959
Miniopterus minor occidentalis Juste and Ibáñez, 1992	*Miniopterus minor* Peters, 1867
Miniopterus mossambicus Monadjem, Goodman, Stanley and Appleton, 2013	*Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013
Miniopterus natalensis arenarius Heller, 1912	*Miniopterus natalensis* (A. Smith, 1833)
Miniopterus Newtoni Bocage, 1889	*Miniopterus newtoni* Bocage, 1889
Miniopterus petersoni Goodman, Bradman, Maminirina, Ryan, Christidis and Appleton, 2008	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Miniopterus rufus Sanborn, 1936	*Miniopterus inflatus rufus* Sanborn, 1936
Miniopterus smitianus Thomas, 1927	*Miniopterus natalensis* (A. Smith, 1833)
Miniopterus sororculus Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Miniopterus sp. , 9999	*Miniopterus* Bonaparte, 1837
minor Kerr, 1792	*Rhinolophus hipposideros* (Bechstein, 1800)
Miomegaderma gaillardi Trouessart, 1898	*Megaderma gaillardi* (Trouessart, 1898)
Molossi Peters, 1865	*MOLOSSIDAE* Gervais, 1856
Molossidae Gervais, 1856	*MOLOSSIDAE* Gervais, 1856
Molossina Gray, 1866	*MOLOSSIDAE* Gervais, 1856
Molossinae Gervais, 1856	*Molossinae* Gervais, 1856
Molossoidae Gervais, 1856	*MOLOSSOIDEA* Gervais, 1856
Mops Lesson, 1842	*Mops* Lesson, 1842

Original Name	Current Name
Mops Lesson, 1842	*Mops (Mops)* Lesson, 1842
Mops (Allomops) faradjius J.A. Allen, 1917	*Mops (Mops) demonstrator* (Thomas, 1903)
Mops (Allomops) nanulus J.A. Allen, 1917	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Mops (Allomops) occipitalis J.A. Allen, 1917	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Mops (Allomops) osborni J.A. Allen, 1917	*Mops (Mops) condylurus* (A. Smith, 1833)
Mops angolensis niveiventer Cabrera and Ruxton, 1926	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
Mops angolensis orientis G.M. Allen and Loveridge, 1942	*Mops (Mops) condylurus* (A. Smith, 1833)
Mops angolensis wonderi Sanborn, 1936	*Mops (Mops) condylurus* (A. Smith, 1833)
Mops bakarii Stanley, 2008	*Mops (Xiphonycteris) bakarii* Stanley, 2009
Mops calabarensis Hayman, 1940	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Mops chitauensis J.Eric Hill, 1937	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
Mops congicus J.A. Allen, 1917	*Mops (Mops) congicus* J.A. Allen, 1917
Mops niangaræ J.A. Allen, 1917	*Mops (Mops) niangarae* J.A. Allen, 1917
Mops osborni occidentalis Monard, 1939	*Mops (Mops) condylurus* (A. Smith, 1833)
Mops osborni occidentalis f. fulva Monard, 1939	*Mops (Mops) condylurus* (A. Smith, 1833)
Mops rüppellii Allen, 1939	*Tadarida ventralis* (Heuglin, 1861)
Mops trevori J.A. Allen, 1917	*Mops (Mops) trevori* J.A. Allen, 1917
Mormopterus Peters, 1865	*Mormopterus* Peters, 1865
Mormopterus francoismoutoui Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst and Bowie, 2008	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Mormopterus setiger Peters, 1878	*Platymops setiger setiger* (Peters, 1878)
Mormopterus setiger Peters, 1878	*Platymops setiger* (Peters, 1878)
Mormopterus Whitleyi Scharff, 1900	*Myopterus whitleyi* (Scharff, 1900)
Mynonycteris Matschie, 1899	*Rousettus* Gray, 1821
Myonycteris leptodon K. Andersen, 1908	*Myonycteris leptodon* K. Andersen, 1908
Myonycteris relicta Bergmans, 1980	*Myonycteris relicta* Bergmans, 1980
Myonycteris wroughtoni K. Andersen, 1908	*Myonycteris torquata wroughtoni* K. Andersen, 1908
Myoptera de Blainville, 1837	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Myopteris Desmarest, 1820	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Myopterus E. Geoffroy Saint-Hilaire, 1818	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Myopterus albatus Thomas, 1915	*Myopterus daubentonii* Desmarest, 1820
Myopterus daubentonii Desmarest, 1820	*Myopterus daubentonii* Desmarest, 1820
Myopterus senegalensis Oken, 1816	*Myopterus daubentonii* Desmarest, 1820
Myotinae Tate, 1942	*Myotinae* Tate, 1942
Myotini Tate, 1941	*VESPERTILIONIDAE* Gray, 1821
Myotis Kaup, 1829	*Myotis* Kaup, 1829
Myotis anjouanensis	*Myotis anjouanensis* (Dorst, 1960)
Myotis blythii punicus Felten, 1977	*Myotis punicus* Felten, 1977
Myotis Bocagei cupreolus Thomas, 1904	*Myotis bocagii cupreolus* Thomas, 1904
Myotis cf. punicus Castella, Ruedi, Excoffier, Ibanez, Arlettaz and Hausser, 2000	*Myotis punicus* Felten, 1977
Myotis darelbeidensis Gunnell, Eiting, and Geraads, 2011	*Myotis darelbeidensis* Gunnell, Eiting, and Geraads, 2011
Myotis dieteri M. Happold, 2005	*Myotis dieteri* M. Happold, 2005
Myotis Hildegardeæ Thomas, 1904	*Myotis bocagii bocagii* (Peters, 1870)
Myotis morrisi Hill, 1971	*Myotis morrisi* Hill, 1971
Myotis scotti Thomas, 1927	*Myotis scotti* Thomas, 1927
Myzopoda A. Milne-Edwards and A. Grandidier, 1878	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
Myzopoda africana Gunnell, Butler, Greenwood and Simmons, 2015	*Myzopoda africana* Gunnell, Butler, Greenwood and Simmons, 2015
Myzopoda aurita A. Milne-Edwards and A. Grandidier, 1878	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Myzopoda schliemanni Goodman, Rakotondraparany and Kofoky, 2007	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
Myzopodidae Thomas, 1904	*MYZOPODIDAE* Thomas, 1904
N(yctinomus) midas de Winton, 1901	*Tadarida ventralis* (Heuglin, 1861)
N(yctinomus) taeniotis Thomas, 1891	*Tadarida ventralis* (Heuglin, 1861)
N[ycteris] albiventer Wagner, 1840	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
N[ycteris] discolor Wagner, 1840	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
N[ycticejus] adovanus Heuglin, 1877	*Nycticeinops schlieffenii* (Peters, 1859)
Nannugo Kolenati, 1856	*Pipistrellus* Kaup, 1829
Nannugo Kolenatii Müller, 1858	*Pipistrellus "incertae-sedis"*
Necromanter Lydekker, 1888	*Necromantis* Weithofer, 1887
Necromantidae Sigé, 2011	*NECROMANTIDAE* Sigé, 2011
Necromantis Weithofer, 1888	*Necromantis* Weithofer, 1887
Necronycteris Palmer, 1903	*Necromantis* Weithofer, 1887
Neoromicia Roberts, 1926	*Neoromicia* Roberts, 1926

Original Name	Current Name
Neoromicia "incertae-sedis"	*Neoromicia "incertae-sedis"*
Neoromicia cf. capensis , 9999	*Neoromicia capensis* (A. Smith, 1829)
Neoromicia isabella Decher, Hutterer and Monadjem, 2016	*Neoromicia isabella* Decher, Hutterer and Monadjem, 2016
Neoromicia robertsi Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012	*Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012
Neoromicia roseveari Monadjem, Richards, Taylor and Stoffberg, 2013	*Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013
Neoromicia stanleyi Goodman, Kearney, Ratsimbazafy and Hassanin, 2017	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Neoromicia vansoni Roberts, 1932	*Neoromicia zuluensis* (Roberts, 1924)
Nicticejus Rüppell, 1842	*Scotophilus* Leach, 1821
Niumbaha Reeder, Helgen, Vodzak, Lunde and Ejotre, 2013	*Glauconycteris* Dobson, 1875
NOCTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	*NOCTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
Noctilionoidea	*NOCTILIONOIDEA* Gray, 1821
Noctula Bonaparte, 1837	*Eptesicus* Rafinesque, 1820
Noctulina Macalister, 9999	*Nyctalus* Bowdich, 1825
Noctulinia Cabrera, 1914	*Nyctalus* Bowdich, 1825
Noctulinia Gray, 1842	*Nyctalus* Bowdich, 1825
Nyctalus Bowdich, 1825	*Nyctalus* Bowdich, 1825
Nyctalus verrucosus Bowdich, 1825	*Nyctalus leisleri* (Kuhl, 1817)
Nyctericina Gray, 1866	*NYCTERIDAE* Van der Hoeven, 1855
Nycteridae Van der Hoeven, 1855	*NYCTERIDAE* Van der Hoeven, 1855
Nycterides Haeckel, 1866	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
NYCTERIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	*NYCTERIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
Nycterikaupius Menu, 1987	*Pipistrellus* Kaup, 1829
Nycterikaupius Menu, 1987	*Neoromicia* Roberts, 1926
Nycteris G. Cuvier and E. Geoffroy, 1795	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Nycteris æthiopica Dobson, 1878	*Nycteris macrotis* Dobson, 1876
Nycteris æthiopica guineensis Monard, 1939	*Nycteris macrotis* Dobson, 1876
Nycteris æthiopica guineensis f. aurantiaca Monard, 1939	*Nycteris macrotis* Dobson, 1876
Nycteris aethiopica luteola Thomas, 1901	*Nycteris macrotis* Dobson, 1876
Nycteris affinis A. Smith, 1829	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nycteris angolensis Peters, 1871	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nycteris arge Thomas, 1903	*Nycteris arge* Thomas, 1903
Nycteris avakubia J.A. Allen, 1917	*Nycteris major* (K. Andersen, 1912)
Nycteris Baikii Gray, 1866	*Nycteris grandis* Peters, 1865
Nycteris benuensis Aellen, 1952	*Nycteris parisii* (de Beaux, 1924)
Nycteris Capensis A. Smith, 1829	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nycteris cf. parisii Kruskop, Benda, Vasenkov and Lavrenchenko, 2016	*Nycteris cf. parisii* De Beaux, 1924
Nycteris damarensis Peters, 1871	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nycteris Daubentonii E. Geoffroy Saint-Hilaire, 1813	*Nycteris hispida* (Schreber, 1774)
Nycteris fuliginosa Peters, 1852	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nycteris Geoffroyi Desmarest, 1820	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nycteris Geoffroyi Var. Senegalensis Hartmann, 1868	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nycteris grandis Peters, 1865	*Nycteris grandis* Peters, 1865
Nycteris intermedia Aellen, 1959	*Nycteris intermedia* Aellen, 1959
Nycteris labiata Heuglin, 1861	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nycteris macrotis Dobson, 1876	*Nycteris macrotis* Dobson, 1876
Nycteris madagascariensis G. Grandidier, 1937	*Nycteris madagascariensis* G. Grandidier, 1937
Nycteris major J.A. Allen, 1917	*Nycteris macrotis* Dobson, 1876
Nycteris marica Kershaw, 1923	*Nycteris grandis* Peters, 1865
Nycteris nana tristis G.M. Allen and Lawrence, 1936	*Nycteris nana* (K. Andersen, 1912)
Nycteris oriana Kershaw, 1922	*Nycteris macrotis* Dobson, 1876
Nycteris pallida J.A. Allen, 1917	*Nycteris hispida* (Schreber, 1774)
Nycteris poensis Gray, 1843	*Nycteris hispida* (Schreber, 1774)
Nycteris proxima Lönnberg and Gyldenstolpe, 1925	*Nycteris grandis* Peters, 1865
Nycteris Revoilii Robin, 1881	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nycteris Thebaicus E. Geoffroy Saint-Hilaire, 1818	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nycteris villosa Peters, 1852	*Nycteris hispida* (Schreber, 1774)
Nycteris vinsoni Dalquest, 1965	*Nycteris vinsoni* Dalquest, 1965
Nycteris woodi K. Andersen, 1914	*Nycteris woodi* K. Andersen, 1914

Original Name	Current Name
Nycteris woodi sabiensis Roberts, 1946	*Nycteris woodi* K. Andersen, 1914
Nycteroidea Van der Hoeven, 1855	*NYCTEROIDEA* Van der Hoeven, 1855
Nycterops Gray, 1866	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Nycterops pilosa Gray, 1866	*Nycteris hispida* (Schreber, 1774)
Nycticeina Gervais, 1855	*VESPERTILIONIDAE* Gray, 1821
Nycticeinops Hill and Harrison, 1987	*Nycticeinops* Hill & Harrison, 1987
Nycticeinops serengetiensis Gunnell, Butler, Greenwood and Simmons, 2015	*Nycticeinops serengetiensis* Gunnell, Butler, Greenwood and Simmons, 2015
Nycticeius africanus G.M. Allen, 1911	*Nycticeinops schlieffenii* (Peters, 1859)
Nycticejus eriophorus Heuglin, 1877	*Kerivoula eriophora* (Heuglin, 1877)
Nycticejus flavigaster Heuglin, 1861	*Scotophilus leucogaster* (Cretzschmar, 1826)
Nycticejus leucogaster Cretzschmar, 1826	*Scotophilus leucogaster* (Cretzschmar, 1826)
Nycticejus murino-flavus Heuglin, 1861	*Scotophilus leucogaster* (Cretzschmar, 1826)
Nycticejus nidicola Kirk, 1865	*Kerivoula argentata* Tomes, 1861
Nycticejus planirostris Peters, 1852	*Scotophilus dinganii* (A. Smith, 1833)
Nycticejus Schlieffenii Peters, 1859	*Nycticeinops schlieffenii* (Peters, 1859)
Nycticejus serratus Heuglin, 1877	*Taphozous nudiventris* Cretzschmar, 1830
Nycticejus viridis Peters, 1852	*Scotophilus viridis* (Peters, 1852)
Nyctinoma Bowdich, 1821	*Tadarida* Rafinesque, 1814
Nyctinomes Gray, 1821	*Tadarida* Rafinesque, 1814
Nyctinomia Fleming, 1822	*Tadarida* Rafinesque, 1814
Nyctinomus E. Geoffroy Saint-Hilaire, 1818	*Tadarida* Rafinesque, 1814
Nyctinomus (Chaerephon) Dobson, 1874	*Chaerephon* Dobson, 1874
Nyctinomus (Dysopes) ventralis Heuglin, 1861	*Tadarida ventralis* (Heuglin, 1861)
Nyctinomus (Mormopterus) jugularis Peters, 1865	*Mormopterus jugularis* (Peters, 1865)
Nyctinomus (Nyctinomus) tongaënsis Wettstein, 1916	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Nyctinomus [(Mormopterus)] albiventer Dobson, 1877	*Mormopterus jugularis* (Peters, 1865)
Nyctinomus [(Nyctinomus)] cestoni Dobson, 1877	*Tadarida ventralis* (Heuglin, 1861)
Nyctinomus ægyptiacus E. Geoffroy Saint-Hilaire, 1818	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Nyctinomus ægyptiacus E. Geoffroy Saint-Hilaire, 1818	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Nyctinomus africanus Dobson, 1876	*Tadarida ventralis* (Heuglin, 1861)
Nyctinomus aloysii-sabaudiae Festa, 1907	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Nyctinomus Anchietæ Seabra, 1900	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
Nyctinomus angolensis Peters, 1870	*Mops (Mops) condylurus* (A. Smith, 1833)
Nyctinomus ansorgei Thomas, 1913	*Chaerephon ansorgei* (Thomas, 1913)
Nyctinomus Bemmeleni Jentink, 1879	*Chaerephon bemmeleni* (Jentink, 1879)
Nyctinomus bivittatus Heuglin, 1861	*Chaerephon bivittatus* (Heuglin, 1861)
Nyctinomus Bocagei Seabra, 1900	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
Nyctinomus brunneus Seabra, 1900	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
Nyctinomus cisturus Thomas, 1903	*Chaerephon bemmeleni* (Jentink, 1879)
Nyctinomus Condylurus A. Smith, 1833	*Mops (Mops) condylurus* (A. Smith, 1833)
Nyctinomus demonstrator Thomas, 1903	*Mops (Mops) demonstrator* (Thomas, 1903)
Nyctinomus dubius A. Smith, 1833	*Mormopterus acetabulosus natalensis* (A. Smith, 1847)
Nyctinomus Emini de Winton, 1901	*Chaerephon major* (Trouessart, 1897)
Nyctinomus fulminans Thomas, 1903	*Tadarida fulminans* (Thomas, 1903)
Nyctinomus gambianus de Winton, 1901	*Chaerephon pumilus* (Cretzschmar, 1826)
Nyctinomus hindei Thomas, 1904	*Chaerephon pumilus* (Cretzschmar, 1826)
Nyctinomus leonis Thomas, 1908	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Nyctinomus leucogaster A. Grandidier, 1869	*Chaerephon leucogaster* (A. Grandidier, 1869)
Nyctinomus lobatus Thomas, 1891	*Tadarida lobata* (Thomas, 1891)
Nyctinomus martiensseni Matschie, 1897	*Otomops martiensseni martiensseni* (Matschie, 1897)
Nyctinomus martiensseni Matschie, 1897	*Otomops martiensseni* (Matschie, 1897)
Nyctinomus mastersoni Roberts, 1946	*Tadarida fulminans* (Thomas, 1903)
Nyctinomus mauritianus Horsfield, 1823-1824	*Mormopterus acetabulosus acetabulosus* (Hermann, 1804)
Nyctinomus Miarensis A. Grandidier, 1869	*Mops (Mops) midas miarensis* (A. Grandidier, 1869)
Nyctinomus ochraceus J.A. Allen, 1917	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Nyctinomus pusillus Miller, 1902	*Chaerephon pusillus* (Miller, 1902)
Nyctinomus rhodesiae Roberts, 1946	*Chaerephon ansorgei* (Thomas, 1913)
Nyctinomus spillmanni Monard, 1933	*Chaerephon nigeriae spillmanni* (Monard, 1933)
Nyctinomus thersites Thomas, 1903	*Mops (Xiphonycteris) thersites* (Thomas, 1903)

Original Name	Current Name
Nyctinomus unicolor A. Grandidier, 1870	*Mops (Mops) midas miarensis* (A. Grandidier, 1869)
Nyctiptennis Hall and Kelson, 1959	*Eptesicus* Rafinesque, 1820
Nyctiptenus Fitzinger, 1870	*Eptesicus* Rafinesque, 1820
Nyctophilina Gray, 1866	*VESPERTILIONIDAE* Gray, 1821
Nyctophilinae Peters, 1865	*Vespertilioninae* Gray, 1821
Nyctophylax Fitzinger, 1861	*Kerivoula* Gray, 1842
Nystactes Kaup, 1829	*Myotis* Kaup, 1829
Otomops Thomas, 1913	*Otomops* Thomas, 1913
Otomops harrisoni Ralph, Richards, Taylor, Napier and Lamb, 2015	*Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015
Otomops icarus Chubb, 1917	*Otomops martiensseni icarus* Chubb, 1917
Otomops madagascariensis Dorst, 1953	*Otomops madagascariensis* Dorst, 1953
Otonycteris Peters, 1859	*Otonycteris* Peters, 1859
Otonycteris cinereus Satunin, 1909	*Otonycteris hemprichii* Peters, 1859
Otonycteris Hemprichii Peters, 1859	*Otonycteris hemprichii* Peters, 1859
Otonycteris jin Cheesman and Hinton, 1924	*Otonycteris hemprichii* Peters, 1859
Otonycteris petersi Anderson, 1902	*Otonycteris hemprichii* Peters, 1859
P[ipistrellus] k[uhlii] pallidus Heim de Balsac, 1936	*Pipistrellus kuhlii* (Kuhl, 1817)
Pachyomus Gray, 1866	*Eptesicus* Rafinesque, 1820
Pachyotus Gray, 1831	*Scotophilus* Leach, 1821
Pachysoma Temminck, 1853	*Epomophorus* Bennett, 1836
Palaeophyllophora Revilliod, 1917	*Palaeophyllophora* Revilliod, 1917
Panugo Kolenati, 1856	*Nyctalus* Bowdich, 1825
Paramyotis Bianchi, 1917	*Myotis* Kaup, 1829
Paratriaenops Benda and Vallo, 2009	*Paratriaenops* Benda and Vallo, 2009
Paremballonura Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	*Paremballonura* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
Paremballonura atrata Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	*Paremballonura atrata* (Peters, 1874)
Paremballonura tiavato Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Pareptesicus Bianchi, 1917	*Eptesicus* Rafinesque, 1820
Petalia Gray, 1838	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Petalia (Nycteris) thebaica aurantiaca de Beaux, 1923	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Petalia aurita K. Andersen, 1912	*Nycteris aurita* (K. Andersen, 1912)
Petalia damarensis brockmani K. Andersen, 1912	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Petalia damarensis media K. Andersen, 1912	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Petalia gambiensis K. Andersen, 1912	*Nycteris gambiensis* (K. Andersen, 1912)
Petalia major K. Andersen, 1912	*Nycteris major* (K. Andersen, 1912)
Petalia nana K. Andersen, 1912	*Nycteris nana* (K. Andersen, 1912)
Petalia parisii de Beaux, 1924	*Nycteris parisii* (de Beaux, 1924)
Petaliidæ Miller, 1910	*NYCTERIDAE* Van der Hoeven, 1855
Phasmatonycteris Gunnell, Simmons and Seiffert, 2014	*Phasmatonycteris* Gunnell, Simmons and Seiffert, 2014
Phasmatonycteris butleri Gunnell, Simmons and Seiffert, 2014	*Phasmatonycteris butleri* Gunnell, Simmons and Seiffert, 2014
Phasmatonycteris phiomensis Gunnell, Simmons and Seiffert, 2014	*Phasmatonycteris phiomensis* Gunnell, Simmons and Seiffert, 2014
Philisidae Sigé, 1985	*PHILISIDAE* Sigé, 1985
Philisidae Sigé, 1985	*Scotophilinae* Van Cakenberghe and Seamark, 2008
Philisinae Horácek, Fejfar and Hulva, 2006	*Scotophilinae* Van Cakenberghe and Seamark, 2008
Philisis Sigé, 1985	*Philisis* Sigé, 1985
Philisis sphingis Sigé, 1985	*Philisis sphingis* Sigé, 1985
Phyllorhina Leach, 1816	*Rhinolophus* Lacépède, 1799
Phyllorhina angolensis Seabra, 1898	*Hipposideros caffer* (Sundevall, 1846)
Phyllorhina caffra Peters, 1852	*Hipposideros caffer* (Sundevall, 1846)
Phyllorhina commersoni var. thomensis Bocage, 1891	*Macronycteris vittatus* (Peters, 1852)
Phyllorhina commersonii var. marungensis Noack, 1887	*Macronycteris vittatus* (Peters, 1852)
Phyllorhina rubra Noack, 1893	*Hipposideros ruber* (Noack, 1893)
Phyllorhina tridens murraiana Anderson, 1881	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Phyllorrhina Koch, 1860	*HIPPOSIDERIDAE* Lydekker, 1891
Phyllorrhina bicornis Heuglin, 1861	*Hipposideros tephrus* (Cabrera, 1906)
Phyllorrhina cyclops Temminck, 1853	*Doryrhina cyclops* (Temminck, 1853)

Original Name	Current Name
Phyllorrhina fuliginosa Temminck, 1853	*Hipposideros fuliginosus* (Temminck, 1853)
Phyllorrhina gracilis Peters, 1852	*Hipposideros caffer* (Sundevall, 1846)
Phyllorrhina megalotis Heuglin, 1861	*Hipposideros megalotis* (Heuglin, 1861)
Phyllorrhina patellifera Peters, 1852	*Hipposideros caffer* (Sundevall, 1846)
Phyllorrhina vittata Peters, 1852	*Macronycteris vittatus* (Peters, 1852)
PHYLLOSTOMATIA Van Valen, 1979	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Phyllotis Gray, 1866	*Rhinolophus* Lacépède, 1799
Pipistrella Bonaparte, 1837	*Pipistrellus* Kaup, 1829
Pipistrellus Kaup, 1829	*Pipistrellus* Kaup, 1829
Pipistrellus (Pipistrellus) permixtus Aellen, 1957	*Pipistrellus permixtus* Aellen, 1957
Pipistrellus (Romicia) kuhlii broomi Roberts, 1948	*Pipistrellus hesperidus broomi* Roberts, 1948
Pipistrellus abaensis J.A. Allen, 1917	*Neoromicia nana* (Peters, 1852)
Pipistrellus aero Heller, 1912	*Pipistrellus aero* Heller, 1912
Pipistrellus africanus meesteri Kock, 2001	*Neoromicia nana* (Peters, 1852)
Pipistrellus ariel Thomas, 1904	*Hypsugo ariel* (Thomas, 1904)
Pipistrellus cf kuhlii Volleth, Bronner, Göpfert, Heller, von Helversen and Yong, 2001	**Pipistrellus** sp. aff. **kuhlii** Kuhl, 1817
Pipistrellus crassulus Thomas, 1904	*Hypsugo crassulus* (Thomas, 1904)
Pipistrellus culex Thomas, 1911	*Neoromicia nana* (Peters, 1852)
Pipistrellus deserti Thomas, 1902	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrellus eisentrauti Hill, 1968	*Hypsugo eisentrauti* (Hill, 1968)
Pipistrellus eisentrauti bellieri De Vree, 1972	*Hypsugo crassulus* (Thomas, 1904)
Pipistrellus fouriei Thomas, 1926	*Neoromicia nana* (Peters, 1852)
Pipistrellus fuscipes Thomas, 1913	*Pipistrellus rueppellii fuscipes* Thomas, 1913
Pipistrellus hanaki Hulva and Benda, 2004	*Pipistrellus hanaki* Hulva and Benda, 2004
Pipistrellus helios Heller, 1912	*Neoromicia helios* (Heller, 1912)
Pipistrellus inexspectatus Aellen, 1959	*Pipistrellus inexspectatus* Aellen, 1959
Pipistrellus krugeri Herkt, Skidmore and Fahr, 2017	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Pipistrellus Kuhlii fuscatus Thomas, 1901	*Pipistrellus hesperidus hesperidus* (Temminck, 1840)
Pipistrellus leucomelas Monard, 1933	*Pipistrellus rueppellii vernayi* Roberts, 1932
Pipistrellus marrensis Thomas and Hinton, 1923	*Pipistrellus rusticus* (Tomes, 1861)
Pipistrellus minusculus Miller, 1900	*Neoromicia nana* (Peters, 1852)
Pipistrellus musciculus Thomas, 1913	*Hypsugo musciculus* (Thomas, 1913)
Pipistrellus nanulus Thomas, 1904	*Pipistrellus nanulus* Thomas, 1904
Pipistrellus nanus australis Roberts, 1913	*Neoromicia nana* (Peters, 1852)
Pipistrellus raceyi Bates, Ratrimomanarivo, Harrison and Goodman, 2006	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Pipistrellus Rüppelli senegalensis Dorst, 1960	*Pipistrellus rueppellii senegalensis* Dorst, 1960
Pipistrellus vernayi Roberts, 1932	*Pipistrellus rueppellii vernayi* Roberts, 1932
Pizonyx Miller, 1906	*Myotis* Kaup, 1829
Platymops Thomas, 1906	*Platymops* Thomas, 1906
Platymops Roberts, 1917	*Sauromys* Roberts, 1917
Platymops (Sauromys) Roberts, 1917	*Sauromys* Roberts, 1917
Platymops barbatogularis Harrison, 1956	*Platymops setiger macmillani* Thomas, 1906
Platymops barbatogularis parkeri Harrison and Fleetwood, 1960	*Platymops setiger macmillani* Thomas, 1906
Platymops haagneri Roberts, 1917	*Sauromys petrophilus haagneri* (Roberts, 1917)
Platymops haagneri umbratus Shortridge and Carter, 1938	*Sauromys petrophilus umbratus* (Shortridge & Carter, 1938)
Platymops Macmillani Thomas, 1906	*Platymops setiger macmillani* Thomas, 1906
Platymops petrophilus Roberts, 1917	*Sauromys petrophilus* (Roberts, 1917)
Platymops petrophilus erongensis Roberts, 1946	*Sauromys petrophilus erongensis* (Roberts, 1946)
Platymops petrophilus fitzsimonsi Roberts, 1946	*Sauromys petrophilus umbratus* (Shortridge & Carter, 1938)
Plecotina Gray, 1866	*VESPERTILIONIDAE* Gray, 1821
Plecotus E. Geoffroy Saint-Hilaire, 1818	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Plecotus ægyptiacus Dobson, 1878	*Plecotus christii* Gray, 1838
Plecotus æthiopicus Heuglin, 1866	*Plecotus christii* Gray, 1838
Plecotus æthiopicus Heuglin and Fitzinger, 1866	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Plecotus auritus saharae Laurent, 1936	*Otonycteris hemprichii* Peters, 1859
Plecotus balensis Kruskop and Lavrenchenko, 2000	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Plecotus christii Gray, 1838	*Plecotus christii* Gray, 1838
Plecotus christii petraeus Benda, 2008	*Plecotus christii* Gray, 1838
Plecotus teneriffae Barrett-Hamilton, 1907	*Plecotus teneriffae* Barrett-Hamilton, 1907

Original Name	Current Name
Plecotus teneriffae gaisleri Benda, Kiefer, Hanák and Veith, 2004	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
Plecotus ustus Fitzinger and Heuglin, 1866	*Otonycteris hemprichii* Peters, 1859
Plerotes K. Andersen, 1910	*Plerotes* K. Andersen, 1910
Propottininae Butler, 1984	*Propottininae* Butler, 1984
Propotto Simpson, 1967	*Propotto* Simpson, 1967
Propotto leakeyi Simpson, 1967	*Propotto leakeyi* Simpson, 1967
Provampyrus Schlosser, 1911	*Vampyravus* Schlosser, 1910
Provampyrus orientalis Schlosser, 1911	*Vampyravus orientalis* Schlosser, 1910
Pselaphon Gray, 1870	*Pteropus* Erxleben, 1777
Pseudovespertiliavus Ravel, 2016	*Pseudovespertiliavus* Ravel, 2016
Pseudovespertiliavus parva Ravel, 2016	*Pseudovespertiliavus parva* Ravel, 2016
Pterocarpus Mishra, Rout and Panda, 2011	*Pteropus* Erxleben, 1777
Pterocynes Haeckel, 1866	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Pterocyon Peters, 1862	*Eidolon* Rafinesque, 1815
Pterocyon paleaceus Peters, 1862	*Eidolon helvum helvum* (Kerr, 1792)
Pteropidae Gray, 1821	*PTEROPODIDAE* Gray, 1821
Pteropinae K. Andersen, 1912	*Pteropodinae* Gray, 1821
PTEROPODIDAE Bonaparte, 1838	*PTEROPODIDAE* Gray, 1821
PTEROPODIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	*PTEROPODIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
PTEROPODIFORMES Hutcheon and Kirsch, 2004	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
PTEROPODIFORMI Van Cakenberghe, Kearney and Seamark, 2007	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Pteropodimorpha Zagorodniuk, 2014	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Pteropodinae Gray, 1821	*Pteropodinae* Gray, 1821
PTEROPODOIDEA Gray, 1821	*PTEROPODOIDEA* Gray, 1821
Pteropoidea Serra-Cobo, López-Roig, Bayer, Amengual and Guasch, 2008	*PTEROPODOIDEA* Gray, 1821
Pteropus Erxleben, 1777	*Pteropus* Erxleben, 1777
Pteropus (Spectrum) voeltzkowi Matschie, 1909	*Pteropus voeltzkowi* Matschie, 1909
Pteropus ægyptiacus , 9999	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Pteropus aegyptiacus E. Geoffroy Saint-Hilaire, 1818	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Pteropus aldabrensis True, 1893	*Pteropus aldabrensis* True, 1893
Pteropus collaris Illiger, 1815	*Pteropus subniger* (Kerr, 1792)
Pteropus collaris Lichtenstein, 1823	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Pteropus comorensis Wallace, 1880	*Pteropus seychellensis* A. Milne-Edwards, 1877
Pteropus comorensis Nicoll, 1908	*Pteropus seychellensis* A. Milne-Edwards, 1877
Pteropus dupréanus Schlegel, 1867	*Eidolon dupreanum* (Schegel, 1867)
Pteropus Edwardsii E. Geoffroy Saint-Hilaire, 1810	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Pteropus Egyptiacus E. Geoffroy Saint-Hilaire, 1810	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Pteropus epomophorus Bennett, 1836	*Epomophorus gambianus gambianus* (Ogilby, 1835)
Pteropus flavus Illiger, 1815	*Eidolon helvum helvum* (Kerr, 1792)
Pteropus fuscus E. Geoffroy Saint-Hilaire, 1803	*Pteropus niger* (Kerr, 1792)
Pteropus Gambianus Ogilby, 1835	*Epomophorus gambianus* (Ogilby, 1835)
Pteropus Gambianus Ogilby, 1835	*Epomophorus gambianus gambianus* (Ogilby, 1835)
Pteropus geoffroyi Temminck, 1825	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Pteropus Haldemani Hallowell, 1846	*Epomophorus wahlbergi* (Sundevall, 1846)
Pteropus hottentottus Temminck, 1832	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Pteropus labiatus Temminck, 1837	*Epomophorus labiatus* (Temminck, 1837)
Pteropus Leachii A. Smith, 1829	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Pteropus livingstonii Gray, 1866	*Pteropus livingstonii* Gray, 1866
Pteropus macrocephalus Ogilby, 1835	*Epomophorus gambianus gambianus* (Ogilby, 1835)
Pteropus madagascariensis Oken, 1816	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Pteropus mascarinus Mason, 1907	*Pteropus rodricensis* Dobson, 1878
Pteropus megacephalus Swainson, 1835	*Epomophorus gambianus gambianus* (Ogilby,

Original Name	Current Name
	1835)
Pteropus mollipilosus H. Allen, 1862	*Eidolon helvum helvum* (Kerr, 1792)
Pteropus palmarum Heuglin, 1865	*Eidolon helvum helvum* (Kerr, 1792)
Pteropus phæops Oken, 1838	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Pteropus phaiops Temminck, 1825	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Pteropus pteropus Merriam, 1895	*Pteropus niger* (Kerr, 1792)
Pteropus rodricensis Dobson, 1878	*Pteropus rodricensis* Dobson, 1878
Pteropus ruber E. Geoffroy Saint-Hilaire, 1803	*Pteropus subniger* (Kerr, 1792)
Pteropus rubricollis E. Geoffroy Saint-Hilaire, 1810	*Pteropus subniger* (Kerr, 1792)
Pteropus rufus E. Geoffroy Saint-Hilaire, 1803	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Pteropus rufus princeps K. Andersen, 1908	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Pteropus Schoënsis Rüppell, 1842	*Epomophorus labiatus* (Temminck, 1837)
Pteropus seychellensis A. Milne-Edwards, 1877	*Pteropus seychellensis* A. Milne-Edwards, 1877
Pteropus stramineus E. Geoffroy Saint-Hilaire, 1803	*Eidolon helvum helvum* (Kerr, 1792)
Pteropus torquatus G. Fischer, 1814	*Pteropus subniger* (Kerr, 1792)
Pteropus vulgaris E. Geoffroy Saint-Hilaire, 1810	*Pteropus niger* (Kerr, 1792)
Pteropus vulgaris Temminck, 1837	*Pteropus subniger* (Kerr, 1792)
Pteropus Wahlbergi Sundevall, 1846	*Epomophorus wahlbergi* (Sundevall, 1846)
Pteropus Whitei Bennett, 1836	*Epomophorus gambianus gambianus* (Ogilby, 1835)
Pterygistes Kaup, 1829	*Nyctalus* Bowdich, 1825
Pterygistes azoreum Thomas, 1901	*Nyctalus azoreum* (Thomas, 1901)
Pterygistes madeiræ Barrett-Hamilton, 1906	*Nyctalus leisleri* (Kuhl, 1817)
PTETICA Ameghino, 1889	*CHIROPTERA* Blumenbach, 1779
Ptychorhina Peters, 1871	*Hipposideros* Gray, 1831
Qarunycteris Gunnell, Simons and Seiffert, 2008	*Qarunycteris* Gunnell, Simons and Seiffert, 2008
Qarunycteris moerisae Gunnell, Simons and Seiffert, 2008	*Qarunycteris moerisae* Gunnell, Simons and Seiffert, 2008
R[hinopoma] cystops macinnesi Hayman, 1937	*Rhinopoma macinnesi* Hayman, 1937
Rhinocrepis Gervais, 1836	*Rhinolophus* Lacépède, 1799
Rhinolophi Peters, 1865	*RHINOLOPHIDAE* Gray, 1825
Rhinolophidae Gray, 1825	*RHINOLOPHIDAE* Gray, 1825
Rhinolophides Gervais, 1854	*RHINOLOPHIDAE* Gray, 1825
RHINOLOPHIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	*RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
Rhinolophina Lesson, 1827	*RHINOLOPHIDAE* Gray, 1825
Rhinolophoidea Gray, 1825	*RHINOLOPHOIDEA* J. E. Gray, 1825
Rhinolophus Lacépède, 1799	*Rhinolophus* Lacépède, 1799
Rhinolophus abæ J.A. Allen, 1917	*Rhinolophus fumigatus* Rüppell, 1842
Rhinolophus acrotis Heuglin, 1861	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophus acrotis brachygnatus K. Andersen, 1905	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophus acrotis schwarzi Heim de Balsac, 1934	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophus adami Aellen and Brosset, 1968	*Rhinolophus adami* Aellen and Brosset, 1968
Rhinolophus æthiops Peters, 1869	*Rhinolophus fumigatus* Rüppell, 1842
Rhinolophus aethiops diversus Sanborn, 1939	*Rhinolophus fumigatus* Rüppell, 1842
Rhinolophus alcyone Temminck, 1853	*Rhinolophus alcyone* Temminck, 1853
Rhinolophus alcyone alticolus Sanborn, 1936	*Rhinolophus simulator* K. Andersen, 1904
Rhinolophus algirus Loche, 1867	*Rhinolophus euryale* Blasius, 1853
Rhinolophus Andersoni Thomas, 1904	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophus andreinii Senna, 1905	*Rhinolophus blasii* Peters, 1867
Rhinolophus angolensis Seabra, 1898	*Rhinolophus lobatus* Peters, 1852
Rhinolophus antinorii Dobson, 1885	*Rhinolophus fumigatus* Rüppell, 1842
Rhinolophus augur K. Andersen, 1904	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophus augur zambesiensis K. Andersen, 1904	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophus augur zuluensis K. Andersen, 1904	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophus auritus Sundevall, 1860	*Rhinolophus capensis* Lichtenstein, 1823
Rhinolophus axillaris Allen, 1917	*Rhinolophus landeri* Martin, 1838
Rhinolophus bembanicus Senna, 1914	*Rhinolophus simulator* K. Andersen, 1904
Rhinolophus blasii Peters, 1867	*Rhinolophus blasii* Peters, 1867
Rhinolophus blasiusi Trouessart, 1910	*Rhinolophus blasii* Peters, 1867
Rhinolophus brockmani Thomas, 1910	*Rhinolophus blasii* Peters, 1867
Rhinolophus caffer Sundevall, 1846	*Hipposideros caffer* (Sundevall, 1846)
Rhinolophus capensis Lichtenstein, 1823	*Rhinolophus capensis* Lichtenstein, 1823
Rhinolophus clivosus Cretzschmar, 1828	*Rhinolophus clivosus* Cretzschmar, 1828

Original Name	Current Name
Rhinolophus clivosus hillorum Koopman, 1989	*Rhinolophus hillorum* Koopman, 1989
Rhinolophus cohenae Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	*Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Rhinolophus Commersonii E. Geoffroy Saint-Hilaire, 1813	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Rhinolophus Darlingi K. Andersen, 1905	*Rhinolophus darlingi* K. Andersen, 1905
Rhinolophus darlingi barbertonensis Roberts, 1924	*Rhinolophus darlingi* K. Andersen, 1905
Rhinolophus darlingi damarensis Roberts, 1946	*Rhinolophus damarensis* Roberts, 1946
Rhinolophus Deckenii Peters, 1868	*Rhinolophus deckenii* Peters, 1868
Rhinolophus Denti Thomas, 1904	*Rhinolophus denti* Thomas, 1904
Rhinolophus denti knorri Eisentraut, 1960	*Rhinolophus denti* Thomas, 1904
Rhinolophus Dobsoni Thomas, 1904	*Rhinolophus landeri* Martin, 1838
Rhinolophus Eggenhöffner Fitzinger, 1870	*Rhinolophus hipposideros* (Bechstein, 1800)
Rhinolophus empusa K. Andersen, 1904	*Rhinolophus blasii* Peters, 1867
Rhinolophus euryale Blasius, 1853	*Rhinolophus euryale* Blasius, 1853
Rhinolophus euryale tuneti Deleuil and Labbé, 1955	*Rhinolophus mehelyi* Matschie, 1901
Rhinolophus ferrumequinum mellali Lavocat, 1961	*Rhinolophus mellali* Lavocat, 1961
Rhinolophus foxi Thomas, 1913	*Rhinolophus fumigatus* Rüppell, 1842
Rhinolophus fumigatus Rüppell, 1842	*Rhinolophus fumigatus* Rüppell, 1842
Rhinolophus fumigatus exsul K. Andersen, 1905	*Rhinolophus fumigatus* Rüppell, 1842
Rhinolophus Geoffroyii A. Smith, 1829	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophus gigas Wagner, 1845	*Macronycteris gigas* (Wagner, 1845)
Rhinolophus gorongosae Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018	*Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018
Rhinolophus Hildebrandti eloquens K. Andersen, 1905	*Rhinolophus eloquens* K. Andersen, 1905
Rhinolophus hildebrandti perauritus de Beaux, 1922	*Rhinolophus eloquens* K. Andersen, 1905
Rhinolophus Hildebrandtii Peters, 1878	*Rhinolophus hildebrandtii* Peters, 1878
Rhinolophus hilli Aellen, 1973	*Rhinolophus hilli* Aellen, 1973
Rhinolophus hipposideros vespa Laurent, 1937	*Rhinolophus hipposideros* (Bechstein, 1800)
Rhinolophus hipposiderus typicus K. Andersen, 1905	*Rhinolophus hipposideros* (Bechstein, 1800)
Rhinolophus horaceki Benda and Vallo, 2012	*Rhinolophus horaceki* Benda and Vallo, 2012
Rhinolophus kahuzi Fahr and Kerbis Peterhans, 2013	*Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013
Rhinolophus keniensis Hollister, 1916	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophus landeri Martin, 1838	*Rhinolophus landeri* Martin, 1838
Rhinolophus landeri guineensis Eisentraut, 1960	*Rhinolophus guineensis* Eisentraut, 1960
Rhinolophus lobatus Peters, 1852	*Rhinolophus lobatus* Peters, 1852
Rhinolophus mabuensis Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	*Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Rhinolophus Maclaudi Pousargues, 1898	*Rhinolophus maclaudi* Pousargues, 1898
Rhinolophus macrocephalus Heuglin, 1877	*Rhinolophus fumigatus* Rüppell, 1842
Rhinolophus maendeleo Kock, Csorba and Howell, 2000	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
Rhinolophus maghrebensis Gunnell, Eiting, and Geraads, 2011	*Rhinolophus maghrebensis* Gunnell, Eiting, and Geraads, 2011
Rhinolophus Martini Fraser, 1843	*Nycteris hispida* (Schreber, 1774)
Rhinolophus mehelyi Matschie, 1901	*Rhinolophus mehelyi* Matschie, 1901
Rhinolophus micaceus de Winton, 1897	*Doryrhina cyclops* (Temminck, 1853)
Rhinolophus miminus Heuglin, 1861	*Rhinolophus hipposideros* (Bechstein, 1800)
Rhinolophus mossambicus Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	*Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Rhinolophus ruwenzorii J. Eric Hill, 1942	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
Rhinolophus sakejiensis Cotterill, 2002	*Rhinolophus sakejiensis* Cotterill, 2002
Rhinolophus silvestris Aellen, 1959	*Rhinolophus silvestris* Aellen, 1959
Rhinolophus simulator K. Andersen, 1904	*Rhinolophus simulator* K. Andersen, 1904
Rhinolophus smithersi Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012	*Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Rhinolophus swinnyi Gough, 1908	*Rhinolophus swinnyi* Gough, 1908

Original Name	Current Name
Rhinolophus swinnyi piriensis Hewitt, 1913	*Rhinolophus swinnyi* Gough, 1908
Rhinolophus swinnyi rhodesiae Roberts, 1946	*Rhinolophus rhodesiae* Roberts, 1946
Rhinolophus tridens E. Geoffroy Saint-Hilaire, 1813	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Rhinolophus willardi Kerbis Peterhans and Fahr, 2013	*Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013
Rhinolophus ziama Fahr, Vierhaus, Hutterer and Kock, 2002	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
Rhinomegalophus Bourret, 1951	*Rhinolophus* Lacépède, 1799
Rhinonicteridae , 9999	*RHINONYCTERIDAE* J. E. Gray, 1866
Rhinonycteridae Gray, 1866	*RHINONYCTERIDAE* J. E. Gray, 1866
Rhinonycterina Gray, 1866	*RHINONYCTERIDAE* J. E. Gray, 1866
Rhinophylla Gray, 1866	*Hipposideros* Gray, 1831
Rhinophyllotis Troughton, 1941	*Rhinolophus* Lacépède, 1799
Rhinopoma E. Geoffroy Saint-Hilaire, 1818	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Rhinopoma brevicaudatum Oken, 1816	*Rhinopoma cystops* Thomas, 1903
Rhinopoma cordofanicum Heuglin, 1877	*Rhinopoma microphyllum* (Brünnich, 1782)
Rhinopoma cystops Thomas, 1903	*Rhinopoma cystops* Thomas, 1903
Rhinopoma hardwickei sennaariense Kock, 1969	*Rhinopoma cystops* Thomas, 1903
Rhinopoma Lepsianum Peters, 1859	*Rhinopoma microphyllum* (Brünnich, 1782)
Rhinopoma longicaudatum Fitzinger, 1866	*Rhinopoma cystops* Thomas, 1903
Rhinopoma microphyllum tropicalis Kock, 1969	*Rhinopoma microphyllum* (Brünnich, 1782)
Rhinopoma sennaariense Fitzinger, 1866	*Rhinopoma cystops* Thomas, 1903
Rhinopoma sennarense Hartmann, 1868	*Rhinopoma cystops* Thomas, 1903
Rhinopomatidae Dobson, 1872	*RHINOPOMATIDAE* Dobson, 1872
Rhinopomatoidea Dobson, 1872	*RHINOPOMATOIDEA* Dobson, 1872
Rhinopomidae Miller, 1907	*RHINOPOMATIDAE* Dobson, 1872
Rhinopomina Bonaparte, 1838	*RHINOPOMATIDAE* Dobson, 1872
Rhinopterus Miller, 1906	*Eptesicus* Rafinesque, 1820
Rhinopterus lowei Thomas, 1915	*Eptesicus floweri* (de Winton, 1901)
Rhizomops Legendre, 1984	*Tadarida* Rafinesque, 1814
Rhyneptesicus Bianchi, 1917	*Eptesicus* Rafinesque, 1820
Rhynopoma Bowdich, 1821	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Rickettia Bianchi, 1917	*Myotis* Kaup, 1829
Romicia Gray, 1838	*Pipistrellus* Kaup, 1829
Romiciana Gray, 1866	*VESPERTILIONIDAE* Gray, 1821
Romicius Blyth, 1840	*Pipistrellus* Kaup, 1829
Rousettina Koopman and J.K. Jones Jr., 1970	*Rousettinae* Andersen, 1912
Rousettinae K. Andersen, 1912	*Rousettinae* Andersen, 1912
Rousettus Gray, 1821	*Rousettus* Gray, 1821
Rousettus (Lissonycteris) crypticola Cabrera, 1920	*Myonycteris angolensis* (Bocage, 1898)
Rousettus (Rousettus) obliviosus Kock, 1978	*Rousettus obliviosus* Kock, 1978
Rousettus aegyptiacus occidentalis Eisentraut, 1960	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Rousettus aegyptiacus thomensis Feiler, Haft and Widmann, 1993	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Rousettus aegyptiacus tomensis Juste and Ibáñez, 1993	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Rousettus angolensis ruwenzorii Eisentraut, 1965	*Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)
Rousettus kempi Thomas, 1909	*Stenonycteris lanosus* (Thomas, 1906)
Rousettus lanosus Thomas, 1906	*Stenonycteris lanosus* (Thomas, 1906)
Rousettus madagascariensis G. Grandidier, 1929	*Rousettus madagascariensis* G. Grandidier, 1929
Rousettus sjöstedti Lönnberg, 1908	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Rousettus smithii Thomas, 1908	*Myonycteris angolensis smithii* (Thomas, 1908)
Rousettus sp. cf. R. madagascariensis	*Rousettus madagascariensis* G. Grandidier, 1929
Roussetus aegyptiacus princeps Juste and Ibáñez, 1993	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
rueppellii Qumsiyeh, 1985	*Tadarida teniotis* (Rafinesque, 1814)
Saccolaimus Temminck, 1838	*Saccolaimus* Temminck, 1838
Saccolaimus incognita Butler and Hopwood, 1957	*Taphozous incognita* (Butler & Hopwood, 1957)
Saharaderma Gunnell, Simons and Seiffert, 2008	*Saharaderma* Gunnell, Simons and Seiffert, 2008
Saharaderma pseudovampyrus Gunnell, Simons and Seiffert, 2008	*Saharaderma pseudovampyrus* Gunnell, Simons and Seiffert, 2008
Scabrifer G.M. Allen, 1908	*Neoromicia* Roberts, 1926
Scabrifer notius G.M. Allen, 1908	*Neoromicia capensis* (A. Smith, 1829)

Original Name	Current Name
Scoteinus schlieffeni albiventer Thomas and Wroughton, 1908	*Nycticeinops schlieffenii* (Peters, 1859)
Scoteinus schlieffeni australis Thomas and Wroughton, 1908	*Nycticeinops schlieffenii* (Peters, 1859)
Scoteinus schlieffeni bedouin Thomas and Wroughton, 1908	*Nycticeinops schlieffenii* (Peters, 1859)
Scoteinus schlieffenii fitzsimonsi Roberts, 1932	*Nycticeinops schlieffenii* (Peters, 1859)
Scotœcus Thomas, 1901	*Scotoecus* Thomas, 1901
Scotœcus albigula Thomas, 1909	*Scotoecus albigula* Thomas, 1909
Scotoecus artinii de Beaux, 1923	*Scotoecus hirundo* (de Winton, 1899)
Scotoecus cinnamomeus Wettstein, 1916	*Nycticeinops schlieffenii* (Peters, 1859)
Scotoecus falabæ Thomas, 1915	*Scotoecus hindei* Thomas, 1901
Scotœcus Hindei Thomas, 1901	*Scotoecus hindei* Thomas, 1901
Scotoecus olduvensis Gunnell, Butler, Greenwood and Simmons, 2015	*Scotoecus olduvensis* Gunnell, Butler, Greenwood and Simmons, 2015
Scotoecus woodi Thomas, 1917	*Scotoecus albofuscus* (Thomas, 1890)
Scotonycteris Matschie, 1894	*Scotonycteris* Matschie, 1894
Scotonycteris bedfordi Thomas, 1904	*Scotonycteris zenkeri* Matschie, 1894
Scotonycteris bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	*Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Scotonycteris bergmansi bergmansi Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	*Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Scotonycteris bergmansi congoensis Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015	*Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Scotonycteris ophiodon Pohle, 1943	*Casinycteris ophiodon* (Pohle, 1943)
Scotonycteris ophiodon cansdalei Hayman, 1946	*Casinycteris ophiodon* (Pohle, 1943)
Scotonycteris zenkeri Matschie, 1894	*Scotonycteris zenkeri* Matschie, 1894
Scotonycteris zenkeri occidentalis Hayman, 1947	*Scotonycteris occidentalis* Hayman, 1947
Scotophilina Gray, 1866	*Scotophilinae* Van Cakenberghe and Seamark, 2008
Scotophilinae Van Cakenberghe and Seamark, 2008	*Scotophilinae* Van Cakenberghe and Seamark, 2008
Scotophilisis Horácek, Fejfar and Hulva, 2006	*Scotophilisis* Horácek, Fejfar and Hulva, 2006
Scotophilisis libycus Horácek, Fejfar and Hulva, 2006	*Scotophilisis libycus* Horácek, Fejfar and Hulva, 2006
Scotophilus Leach, 1821	*Scotophilus* Leach, 1821
Scotophilus albofuscus Thomas, 1890	*Scotoecus albofuscus* (Thomas, 1890)
Scotophilus altilis G.M. Allen, 1914	*Scotophilus leucogaster* (Cretzschmar, 1826)
Scotophilus alvenslebeni Dalquest, 1965	*Scotophilus nigrita* (Schreber, 1774)
Scotophilus andrewreborii Brooks and Bickham, 2014	*Scotophilus andrewreborii* Brooks and Bickham, 2014
Scotophilus angusticeps Shortridge and Carter, 1938	*Eptesicus hottentotus* (A. Smith, 1833)
Scotophilus cf. viridis , 9999	*Scotophilus viridis* (Peters, 1852)
Scotophilus damarensis Thomas, 1906	*Scotophilus leucogaster* (Cretzschmar, 1826)
Scotophilus darwini Tomes, 1859	*Hypsugo savii* (Bonaparte, 1837)
Scotophilus ejetai Brooks and Bickham, 2014	*Scotophilus ejetai* Brooks and Bickham, 2014
Scotophilus gigas Dobson, 1875	*Scotophilus nigrita* (Schreber, 1774)
Scotophilus hirundo de Winton, 1899	*Scotoecus hirundo* (de Winton, 1899)
Scotophilus livingstonii Brooks and Bickham, 2014	*Scotophilus livingstonii* Brooks and Bickham, 2014
Scotophilus marovaza Goodman, Ratrimomanarivo and Randrianandrianina, 2006	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
Scotophilus minimus Noack, 1887	*Nycticeinops schlieffenii* (Peters, 1859)
Scotophilus nigrita colias Thomas, 1904	*Scotophilus dinganii* (A. Smith, 1833)
Scotophilus nigrita herero Thomas, 1906	*Scotophilus dinganii* (A. Smith, 1833)
Scotophilus nigrita nux Thomas, 1904	*Scotophilus nux* Thomas, 1904
Scotophilus nigrita pondoensis Roberts, 1946	*Scotophilus dinganii* (A. Smith, 1833)
Scotophilus nigritellus de Winton, 1899	*Scotophilus viridis* (Peters, 1852)
Scotophilus nucella Robbins, 1983	*Scotophilus nucella* Robbins, 1983
Scotophilus robustus A. Milne-Edwards, 1881	*Scotophilus robustus* A. Milne-Edwards, 1881
Scotophilus rusticus Tomes, 1861	*Pipistrellus rusticus* (Tomes, 1861)
Scotophilus tandrefana Goodman, Jenkins and Ratrimomanarivo, 2005	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
Scotophilus trujilloi Brooks and Bickham, 2014	*Scotophilus trujilloi* Brooks and Bickham, 2014
Scotophilus variegatus Tomes, 1861	*Glauconycteris variegata* (Tomes, 1861)

Original Name	Current Name
Scotophilus welwitschii Gray, 1866	*Myotis welwitschii* (Gray, 1866)
Selysius Bonaparte, 1841	*Myotis* Kaup, 1829
Senonycteris Gray, 1870	*Rousettus* Gray, 1821
Sericonycteris Matschie, 1899	*Pteropus* Erxleben, 1777
Sideroderma Peters, 1871	*Hipposideros* Gray, 1831
Spasma Gray, 1866	*Megaderma* E. Geoffroy St.-Hilaire, 1810
Spectrum Lacépède, 1799	*Pteropus* Erxleben, 1777
Spectrum rubidum Daudin, 1802	*Pteropus subniger* (Kerr, 1792)
Spectrum vulgare Gray, 1870	*Pteropus niger* (Kerr, 1792)
Speorifera Gray, 1866	*Hipposideros* Gray, 1831
Sphyrocephalus A. Murray, 1862	*Hypsignathus* H. Allen, 1862
Sphyrocephalus labrosus A. Murray, 1862	*Hypsignathus monstrosus* H. Allen, 1862
Stenonycteris Gray, 1870	*Stenonycteris* Gray, 1870
Sybdesmotus Peters, 1871	*Hipposideros* Gray, 1831
Syndesmotis Peters, 1871	*Hipposideros* Gray, 1831
Syndesmotus Waterhouse, 1902	*Hipposideros* Gray, 1831
Synotus Keyserling and Blasius, 1839	*Barbastella* Gray, 1821
Tadarida Rafinesque, 1814	*Tadarida* Rafinesque, 1814
Tadarida (Chaerephon) cyclotis Brosset, 1966	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Tadarida (Chaerephon) faini Hayman, 1951	*Chaerephon pumilus* (Cretzschmar, 1826)
Tadarida (Chaerephon) gallagheri Harrison, 1975	*Chaerephon gallagheri* (Harrison, 1975)
Tadarida (Chaerephon) tomensis Juste and Ibáñez, 1993	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
Tadarida [(Xiphonycteris)] petersoni El Rayah, 1981	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
Tadarida engesseri Rachl, 1983	*Tadarida engesseri* Rachl, 1983
Tadarida rusingae Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002	*Mops rusingae* (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)
Tadarinae Legendre, 1984	*Molossinae* Gervais, 1856
Tanzanycteridae Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003	*TANZANYCTERIDIDAE* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
Tanzanycteris Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003	*Tanzanycteris* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
Tanzanycteris mannardi Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003	*Tanzanycteris mannardi* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
Taphonycteris Dobson, 1876	*Saccolaimus* Temminck, 1838
Taphozoinae Jerdon, 1877	*EMBALLONURIDAE* Gervais, 1855
Taphozous E. Geoffroy Saint-Hilaire, 1818	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Taphozous abitus Wesselman, 1984	*Saccolaimus abitus* (Wesselman, 1984)
Taphozous Dobsoni Jentink, 1879	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Taphozous hamiltoni Thomas, 1920	*Taphozous hamiltoni* Thomas, 1920
Taphozous hildegardeæ Thomas, 1909	*Taphozous hildegardeae* Thomas, 1909
Taphozous leucopterus Temminck, 1835	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Taphozous maritimus Heuglin, 1877	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Taphozous mauritianus E. Geoffroy Saint-Hilaire, 1818	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Taphozous nudiventris Cretzschmar, 1830-1831	*Taphozous nudiventris* Cretzschmar, 1830
Taphozous peli Temminck, 1853	*Saccolaimus peli* (Temminck, 1853)
Taphozous perforatus E. Geoffroy Saint-Hilaire, 1818	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Taphozous perforatus E. Geoffroy Saint-Hilaire, 1818	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
Taphozous perforatus hædinus Thomas, 1915	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Taphozous perforatus swirae Harrison, 1958	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
Taphozous perforatus var. assabensis Monticelli, 1885	*Taphozous nudiventris* Cretzschmar, 1830
Taphozous senegalensis Desmarest, 1820	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
Taphozous Sudani Thomas, 1915	*Taphozous perforatus sudani* Thomas, 1915
Taphozous sudani australis Harrison, 1962	*Taphozous perforatus sudani* Thomas, 1915
Taphozous sudani rhodesiae Harrison, 1964	*Taphozous perforatus sudani* Thomas, 1915
Thyreorhina Peters, 1871	*Hipposideros* Gray, 1831

Original Name	Current Name
Triaenops Dobson, 1871	*Triaenops* Dobson, 1871
Triænops afer Peters, 1877	*Triaenops afer* Peters, 1877
Triænops aurita G. Grandidier, 1912	*Paratriaenops auritus* (G. Grandidier, 1912)
Triaenops furcula Trouessart, 1907	*Paratriaenops furculus* (Trouessart, 1907)
Triaenops goodmani Samonds, 2007	*Triaenops goodmani* Samonds, 2007
Triænops Humbloti A. Milne-Edwards, 1881	*Triaenops menamena* Goodman and Ranivo, 2009
Triaenops menamena Goodman and Ranivo, 2009	*Triaenops menamena* Goodman and Ranivo, 2009
Triaenops pauliani Goodman and Ranivo, 2008	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
Triaenops persicus majusculus Aellen and Brosset, 1968	*Triaenops afer* Peters, 1877
Triænops rufus A. Milne-Edwards, 1881	*Triaenops menamena* Goodman and Ranivo, 2009
Trilatitus Gray, 1842	*Myotis* Kaup, 1829
Trygenycteris Lydekker, 1891	*Megaloglossus* Pagenstecher, 1885
Tuitatus Kishida and Mori, 1931	*Eptesicus* Rafinesque, 1820
V[espertilio noctula] var. sicula Mina-Palumbo, 1868	*Nyctalus lasiopterus* (Schreber, 1780)
V[espertilio] acetabulosus Hermann, 1804	*Mormopterus acetabulosus acetabulosus* (Hermann, 1804)
V[espertilio] acetabulosus Hermann, 1804	*Mormopterus acetabulosus* (Hermann, 1804)
V[espertilio] mauritianus Hermann, 1804	*Pteropus niger* (Kerr, 1792)
V[espertilio] Smithii Wagner, 1855	*Eptesicus hottentotus* (A. Smith, 1833)
Vampyravus Schlosser, 1910	*Vampyravus* Schlosser, 1910
Vampyravus orientalis Schlosser, 1910	*Vampyravus orientalis* Schlosser, 1910
Vansonia Roberts, 1946	*Pipistrellus* Kaup, 1829
Vespertilia Rafinesque, 1815	*VESPERTILIONIDAE* Gray, 1821
Vespertiliavus Schlosser, 1887	*Vespertiliavus* Schlosser, 1887
VESPERTILIFORMES Zagorodniuk, 1997	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
VESPERTILIIFORMES Zagorodniuk, Godovanets, Pokynchereda and Kyseliuk, 1995	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Vespertilio (Pternopterus) Peters, 1867	*Myotis* Kaup, 1829
Vespertilio auritus ß aegyptius J.B. Fischer, 1829	*Plecotus christii* Gray, 1838
Vespertilio barbastellus Schreber, 1774	*Barbastella barbastellus* (Schreber, 1774)
Vespertilio Bocagii Peters, 1870	*Myotis bocagii* (Peters, 1870)
Vespertilio Bocagii Peters, 1870	*Myotis bocagii bocagii* (Peters, 1870)
Vespertilio borbonicus E. Geoffroy Saint-Hilaire, 1803	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Vespertilio Boscai Cabrera, 1904	*Eptesicus isabellinus* (Temminck, 1840)
Vespertilio brevicauda Stresemann, 1954	*Rhinopoma cystops* Thomas, 1903
Vespertilio caninus Blumenbach, 1797	*Pteropus niger* (Kerr, 1792)
Vespertilio caninus var. b Goldfuss, 1809	*Eidolon helvum helvum* (Kerr, 1792)
Vespertilio Capaccinii Bonaparte, 1837	*Myotis capaccinii* (Bonaparte, 1837)
Vespertilio Capensis A. Smith, 1829	*Neoromicia capensis* (A. Smith, 1829)
Vespertilio capensis gracilior Thomas and Schwann, 1905	*Neoromicia capensis* (A. Smith, 1829)
Vespertilio dasykarpos Kuhl, 1819	*Nyctalus leisleri* (Kuhl, 1817)
Vespertilio d'asythrix Temminck, 1840	*Miniopterus natalensis* (A. Smith, 1833)
Vespertilio Dinganii A. Smith, 1833	*Scotophilus dinganii* (A. Smith, 1833)
Vespertilio emarginatus E. Geoffroy Saint-Hilaire, 1806	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Vespertilio epichrysus Temminck, 1832	*Scotophilus dinganii* (A. Smith, 1833)
Vespertilio ferox Stresemann, 1954	*Rhinopoma cystops* Thomas, 1903
Vespertilio ferrugineus Brehm, 1827	*Nyctalus lasiopterus* (Schreber, 1780)
Vespertilio ferrum-equinum Schreber, 1774	*Rhinolophus ferrumequinum* (Schreber, 1774)
Vespertilio ferrum-equinum major Kerr, 1792	*Rhinolophus ferrumequinum* (Schreber, 1774)
Vespertilio goudoti A. Smith, 1834	*Myotis goudoti* (A. Smith, 1834)
Vespertilio hesperida Temminck, 1840	*Pipistrellus hesperidus hesperidus* (Temminck, 1840)
Vespertilio hesperida Temminck, 1840	*Pipistrellus hesperidus* (Temminck, 1840)
Vespertilio hipposideros Bechstein, 1800	*Rhinolophus hipposideros* (Bechstein, 1800)
Vespertilio hispidus Schreber, 1774	*Nycteris hispida* (Schreber, 1774)
Vespertilio Hottentota A. Smith, 1833	*Eptesicus hottentotus* (A. Smith, 1833)
Vespertilio isabellinus Temminck, 1835-1841	*Eptesicus isabellinus* (Temminck, 1840)
Vespertilio Kuhlii Kuhl, 1817	*Pipistrellus kuhlii* (Kuhl, 1817)
Vespertilio lanosus A. Smith, 1847	*Kerivoula lanosa* (A. Smith, 1847)
Vespertilio lasiopterus Schreber, 1780	*Nyctalus lasiopterus* (Schreber, 1780)
Vespertilio Leisleri Kuhl, 1817	*Nyctalus leisleri* (Kuhl, 1817)
Vespertilio leucomelas Cretzschmar, 1826	*Barbastella leucomelas* (Cretzschmar, 1826)

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Vespertilio Madagascariensis Tomes, 1858	*Myotis goudoti* (A. Smith, 1834)
Vespertilio marginatus Cretzschmar, 1830	*Pipistrellus kuhlii* (Kuhl, 1817)
Vespertilio matroka Thomas and Schwann, 1905	*Neoromicia matroka* (Thomas and Schwann, 1905)
Vespertilio megalotis Bechstein, 1800	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Vespertilio megalurus Temminck, 1835-1841	*Eptesicus hottentotus* (A. Smith, 1833)
Vespertilio Microphyllus Brünnich, 1782	*Rhinopoma microphyllum* (Brünnich, 1782)
Vespertilio minuta Temminck, 1840	*Neoromicia capensis* (A. Smith, 1829)
Vespertilio minutus A. Smith, 1849	*Eptesicus hottentotus* (A. Smith, 1833)
Vespertilio minutus somalicus Thomas, 1901	*Neoromicia somalica* (Thomas, 1901)
Vespertilio murinus africanus Dobson, 1875	*Myotis punicus* Felten, 1977
Vespertilio mystacinus Kuhl, 1817	*Myotis mystacinus* (Kuhl, 1817)
Vespertilio nanus Peters, 1852	*Neoromicia nana* (Peters, 1852)
Vespertilio Natalensis A. Smith, 1833	*Miniopterus natalensis* (A. Smith, 1833)
Vespertilio Nigrita Schreber, 1774	*Scotophilus nigrita* (Schreber, 1774)
Vespertilio ochromixtus Cabrera, 1904	*Hypsugo savii* (Bonaparte, 1837)
Vespertilio pachygnathus Michahelles, 1839	*Nyctalus leisleri* (Kuhl, 1817)
Vespertilio pipistrellus Schreber, 1774	*Pipistrellus pipistrellus* (Schreber, 1774)
Vespertilio Pipistrellus varietas africana Rüppell, 1842	*Neoromicia nana* (Peters, 1852)
Vespertilio platycephalus Temminck, 1832	*Pipistrellus hesperidus* (Temminck, 1840)
Vespertilio platyops Thomas, 1901	*Eptesicus platyops* (Thomas, 1901)
Vespertilio pusillus Leconte, 1857	*Neoromicia "incertae-sedis"*
Vespertilio Pygmæus Leach, 1825	*Pipistrellus pygmaeus* (Leach, 1825)
Vespertilio Rüppelii J.B. Fischer, 1829	*Pipistrellus rueppellii* (Fischer, 1829)
Vespertilio ruppellii J.B. Fischer, 1829	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
Vespertilio Savii Bonaparte, 1837	*Hypsugo savii* (Bonaparte, 1837)
Vespertilio schreibersii Kuhl, 1817	*Miniopterus schreibersii* (Kuhl, 1817)
Vespertilio scotinus Sundevall, 1846	*Miniopterus natalensis* (A. Smith, 1833)
Vespertilio smithii Wagner, 1855	*Eptesicus hottentotus* (A. Smith, 1833)
Vespertilio subtilis Sundevall, 1846	*Pipistrellus hesperidus subtilis* (Sundevall, 1846)
Vespertilio sylvicola A. Grandidier, 1870	*Myotis goudoti* (A. Smith, 1834)
Vespertilio temminckii Cretzschmar, 1827	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
Vespertilio temminckii Cretzschmar, 1826	*Pipistrellus rueppellii* (Fischer, 1829)
Vespertilio tricolor Temminck, 1832	*Myotis tricolor* (Temminck, 1832)
Vespertilio vampirus niger Kerr, 1792	*Pteropus niger* (Kerr, 1792)
Vespertilio vampyrus helvus Kerr, 1792	*Eidolon helvum helvum* (Kerr, 1792)
Vespertilio vampyrus helvus Kerr, 1792	*Eidolon helvum* (Kerr, 1792)
Vespertilio vampyrus subniger Kerr, 1792	*Pteropus subniger* (Kerr, 1792)
Vespertilio venustus Matschie, 1899	*Myotis welwitschii* (Gray, 1866)
Vespertiliones Peters, 1865	*Vespertilioninae* Gray, 1821
VESPERTILIONIA Van Valen, 1979	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Vespertilionidae Gray, 1821	*VESPERTILIONIDAE* Gray, 1821
VESPERTILIONIFORMACEI Van Cakenberghe, Kearney and Seamark, 2007	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
Vespertilioniformes Zagorodniuk, 2014	*CHIROPTERA* Blumenbach, 1779
VESPERTILIONIFORMES Hutcheon and Kirsch, 2004	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
VESPERTILIONIFORMES Zagorodnyuk, 1998	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
VESPERTILIONIFORMI Van Cakenberghe, Kearney and Seamark, 2007	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Vespertilionimorpha Zagorodniuk, 2014	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Vespertilionina Gray, 1866	*VESPERTILIONIDAE* Gray, 1821
Vespertilioninae Gray, 1821	*Vespertilioninae* Gray, 1821
Vespertilionoidea Gray, 1821	*VESPERTILIONOIDEA* Gray, 1821
Vespertliavus kasserinensis Ravel, 2016	*Vespertiliavus kasserinensis* (Ravel, 2016)
Vesperugo Keyserling and Blasius, 1839	*Eptesicus* Rafinesque, 1820
Vesperugo Keyserling and Blasius, 1839	*Nyctalus* Bowdich, 1825
Vesperugo Keyserling and Blasius, 1839	*Pipistrellus* Kaup, 1829
Vesperugo (Vesperus) brunneus Thomas, 1880	*Neoromicia brunnea* (Thomas, 1880)
Vesperugo (Vesperus) flavescens Seabra, 1900	*Neoromicia flavescens* (Seabra, 1900)
Vesperugo (Vesperus) grandidieri Dobson, 1876	*Pipistrellus grandidieri* (Dobson, 1876)
Vesperugo (Vesperus) Innesi Lataste, 1887	*Eptesicus bottae* (Peters, 1869)
Vesperugo (Vesperus) Moloneyi Thomas, 1891	*Mimetillus moloneyi* (Thomas, 1891)

Original Name	**Current Name**
Vesperugo (Vesperus) Rendalli Thomas, 1889	*Neoromicia rendalli* (Thomas, 1889)
Vesperugo [(Vesperugo)] maderensis Dobson, 1878	*Pipistrellus maderensis* (Dobson, 1878)
Vesperugo Anchieta Seabra, 1900	*Hypsugo anchietae* (Seabra, 1900)
Vesperugo hypoleucus Heuglin and Fitzinger, 1866	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
Vesperugo noctula var. maxima Fatio, 1869	*Nyctalus lasiopterus* (Schreber, 1780)
Vesperugo pagenstecheri Noack, 1889	*Neoromicia nana* (Peters, 1852)
Vesperugo pulcher Dobson, 1875	*Pipistrellus rueppellii pulcher* (Dobson, 1875)
Vesperugo pusillulus Peters, 1870	*Neoromicia nana* (Peters, 1852)
Vesperugo senarensis Heuglin, 1877	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
Vesperugo sennaariensis Heuglin and Fitzinger, 1866	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
Vesperugo stampflii Jentink, 1888	*Neoromicia nana* (Peters, 1852)
Vesperus Keyserling and Blasius, 1839	*Eptesicus* Rafinesque, 1820
Vesperus (Hesperoptenus) kraussii Peters, 1868	*Glauconycteris poensis* (Gray, 1842)
Vesperus bicolor Bocage, 1889	*Neoromicia tenuipinnis* (Peters, 1872)
Vesperus Bottae Peters, 1869	*Eptesicus bottae* (Peters, 1869)
Vesperus damarensis Noack, 1889	*Neoromicia capensis* (A. Smith, 1829)
Vesperus guineensis Bocage, 1889	*Neoromicia guineensis* (Bocage, 1889)
Vesperus hösemanni Turni and Kock, 2008	*Neoromicia tenuipinnis* (Peters, 1872)
Vesperus Humbloti A. Milne-Edwards, 1881	*Neoromicia humbloti* (A. Milne-Edwards, 1881)
Vesperus pusillus Noack, 1889	*Neoromicia nana* (Peters, 1852)
Vesperus tenuipinnis Peters, 1872	*Neoromicia tenuipinnis* (Peters, 1872)
Witwatia Gunnell, Simons and Seiffert, 2008	*Witwatia* Gunnell, Simons and Seiffert, 2008
Witwatia eremicus Gunnell, Simons and Seiffert, 2008	*Witwatia eremicus* Gunnell, Simons and Seiffert, 2008
Witwatia schlosseri Gunnell, Simons and Seiffert, 2008	*Witwatia schlosseri* Gunnell, Simons and Seiffert, 2008
Witwatia sigei Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud, 2012	*Witwatia sigei* Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud, 2012
Xantharpyia Gray, 1843	*Rousettus* Gray, 1821
Xantharpyia leucomelas Fitzinger, 1866	*Eidolon helvum helvum* (Kerr, 1792)
Xantharpyia leucomelas Heuglin, 1866	*Eidolon helvum* (Kerr, 1792)
Xiphonycteris Dollman, 1911	*Mops (Xiphonycteris)* Dollman, 1911
Xiphonycteris spurrelli Dollman, 1911	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
YANGOCHIROPTERA Springer, Teeling, Madsen, Stanhope, and De Jong, 2001	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Yangochiroptera	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
Yinochiroptera	*RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
YINPTEROCHIROPTERA Springer, Teeling, Madsen, Stanhope, and De Jong, 2001	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
YINPTEROCHIROPTERA Springer, Teeling, Madsen, Stanhope, and De Jong, 2001	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
Zygænocephalus A. Murray, 1862	*Hypsignathus* H. Allen, 1862

Appendix 3b: Synonyms by Author

This appendix contains all of the synonyms covered in this report (excluding new name combinations and lapsi calami). The synonyms are sorted by author and year of description and are linked to the current name.

Some of the synonyms might be linked to several current names, indicating that they can only be partly assigned to these current names, e.g. *Vesperugo* Keyserling and Blasius, 1839 in part covers *Eptesicus* Rafinesque, 1820, *Nyctalus* Bowdich, 1825, and *Pipistrellus* Kaup, 1829.

Unknown Author

9999	*Epomophorus labiatus anurus*	*Epomophorus minor* Dobson, 1880
9999	*Laephotis cf. angolensis*	*Laephotis angolensis* Monard, 1935
9999	*Myotis anjouanensis*	*Myotis anjouanensis* (Dorst, 1960)
9999	*Neoromicia "incertae-sedis"*	*Neoromicia "incertae-sedis"*
9999	*Noctilionoidea*	*NOCTILIONOIDEA* Gray, 1821
9999	*Rousettus sp. cf. R. madagascariensis*	*Rousettus madagascariensis* G. Grandidier, 1929
9999	*Yangochiroptera*	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
9999	*Yinochiroptera*	*RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
9999	*Chalinolobus*	*Glauconycteris* Dobson, 1875
9999	*Miniopterus sp.*	*Miniopterus* Bonaparte, 1837
9999	*Neoromicia cf. capensis*	*Neoromicia capensis* (A. Smith, 1829)
9999	*Pteropus ægyptiacus*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
9999	*Rhinonicteridae*	*RHINONYCTERIDAE* J. E. Gray, 1866
9999	*Scotophilus cf. viridis*	*Scotophilus viridis* (Peters, 1852)

Acloque

1899	*Euvespertilio*	*Myotis* Kaup, 1829
1899	*Euvesperugo*	*Pipistrellus* Kaup, 1829

Aellen

1950	*Epomophorus reii*	*Epomophorus labiatus* (Temminck, 1837)
1950	*Epomophorus reii*	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1952	*Nycteris benuensis*	*Nycteris parisii* (de Beaux, 1924)
1954	*Hipposideros marisae*	*Hipposideros marisae* Aellen, 1954
1956	*Miniopterus inflatus villiersi*	*Miniopterus schreibersii* (Kuhl, 1817)
1957	*Pipistrellus (Pipistrellus) permixtus*	*Pipistrellus permixtus* Aellen, 1957
1959	*Kerivoula harrisoni bellula*	*Kerivoula lanosa* (A. Smith, 1847)
1959	*Nycteris intermedia*	*Nycteris intermedia* Aellen, 1959
1959	*Pipistrellus inexspectatus*	*Pipistrellus inexspectatus* Aellen, 1959
1959	*Rhinolophus silvestris*	*Rhinolophus silvestris* Aellen, 1959
1973	*Rhinolophus hilli*	*Rhinolophus hilli* Aellen, 1973

Aellen and Brosset

1968	*Rhinolophus adami*	*Rhinolophus adami* Aellen and Brosset, 1968
1968	*Triaenops persicus majusculus*	*Triaenops afer* Peters, 1877

Allen

1917	*Rhinolophus axillaris*	*Rhinolophus landeri* Martin, 1838
1939	*Mops rüppellii*	*Tadarida ventralis* (Heuglin, 1861)

G.M. Allen and Lawrence

1936	*Nycteris nana tristis*	*Nycteris nana* (K. Andersen, 1912)

G.M. Allen and Loveridge

1942	*Mops angolensis orientis*	*Mops (Mops) condylurus* (A. Smith, 1833)

G.M. Allen

1908	*Scabrifer*	*Neoromicia* Roberts, 1926
1908	*Scabrifer notius*	*Neoromicia capensis* (A. Smith, 1829)
1911	*Eptesicus phasma*	*Neoromicia rendalli* (Thomas, 1889)
1911	*Nycticeius africanus*	*Nycticeinops schlieffenii* (Peters, 1859)
1914	*Scotophilus altilis*	*Scotophilus leucogaster* (Cretzschmar, 1826)
1914	*acrotis*	*Rhinolophus fumigatus* Rüppell, 1842
1918	*Chaerephon leucostigma*	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
1921	*Hipposideros curtus*	*Hipposideros curtus* G.M. Allen, 1921

H. Allen

1862	*Epomophorus comptus*	*Epomops franqueti* (Tomes, 1860)
1862	*H[ypsignathus] monstrosus*	*Hypsignathus monstrosus* H. Allen, 1862
1862	*Hypsignathus*	*Hypsignathus* H. Allen, 1862
1862	*Pteropus mollipilosus*	*Eidolon helvum helvum* (Kerr, 1792)
1864	*Megadermatidae*	*MEGADERMATIDAE* H. Allen, 1864
1892	*Adelonycteris*	*Eptesicus* Rafinesque, 1820

J.A. Allen

1917	*Allomops*	*Mops (Mops)* Lesson, 1842
1917	*Chærephon (Lophomops)*	*Chaerephon* Dobson, 1874
1917	*Chærephon (Lophomops) abæ*	*Chaerephon major* (Trouessart, 1897)
1917	*Chærephon (Lophomops) chapini*	*Chaerephon chapini* J.A. Allen, 1917
1917	*Chærephon (Lophomops) cristatus*	*Chaerephon leucogaster* (A. Grandidier, 1869)
1917	*Chærephon frater*	*Chaerephon leucogaster* (A. Grandidier, 1869)
1917	*Chærephon russatus*	*Chaerephon russatus* J.A. Allen, 1917
1917	*Eptesicus ater*	*Neoromicia tenuipinnis* (Peters, 1872)
1917	*Eptesicus faradjius*	*Neoromicia rendalli* (Thomas, 1889)
1917	*Eptesicus garambæ*	*Neoromicia capensis* (A. Smith, 1829)
1917	*Glauconycteris alboguttatus*	*Glauconycteris alboguttata* J.A. Allen, 1917
1917	*Glauconycteris humeralis*	*Glauconycteris humeralis* J.A. Allen, 1917
1917	*Hipposideros abæ*	*Hipposideros abae* J.A. Allen, 1917
1917	*Hipposideros caffer niapu*	*Hipposideros ruber* (Noack, 1893)
1917	*Hipposideros gigas niangaræ*	*Macronycteris gigas* (Wagner, 1845)
1917	*Hipposideros langi*	*Doryrhina cyclops* (Temminck, 1853)
1917	*Hipposideros nanus*	*Hipposideros caffer* (Sundevall, 1846)
1917	*Miniopterus breyeri vicinior*	*Miniopterus fraterculus* Thomas and Schwann, 1906
1917	*Mops (Allomops) faradjius*	*Mops (Mops) demonstrator* (Thomas, 1903)
1917	*Mops (Allomops) nanulus*	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
1917	*Mops (Allomops) occipitalis*	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
1917	*Mops (Allomops) osborni*	*Mops (Mops) condylurus* (A. Smith, 1833)
1917	*Mops congicus*	*Mops (Mops) congicus* J.A. Allen, 1917
1917	*Mops niangaræ*	*Mops (Mops) niangarae* J.A. Allen, 1917
1917	*Mops trevori*	*Mops (Mops) trevori* J.A. Allen, 1917
1917	*Nycteris avakubia*	*Nycteris major* (K. Andersen, 1912)
1917	*Nycteris pallida*	*Nycteris hispida* (Schreber, 1774)
1917	*Nyctinomus ochraceus*	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
1917	*Pipistrellus abaensis*	*Neoromicia nana* (Peters, 1852)
1917	*Rhinolophus abæ*	*Rhinolophus fumigatus* Rüppell, 1842
1917	*Nycteris major*	*Nycteris macrotis* Dobson, 1876

Almeida, Giannini and Simmons

2016	*Eidolinae*	*Eidolinae* Almeida, Giannini and Simmons, 2016

Ameghino

1889	*Gymnuridae*	*MOLOSSIDAE* Gervais, 1856
1889	*PTETICA*	*CHIROPTERA* Blumenbach, 1779

K. Andersen and Matschie

1904	*E[uryalus] atlanticus*	*Rhinolophus euryale* Blasius, 1853
1904	*E[uryalus] barbarus*	*Rhinolophus mehelyi* Matschie, 1901
1904	*E[uryalus] Cabreræ*	*Rhinolophus euryale* Blasius, 1853
1904	*E[uryalus] meridionalis*	*Rhinolophus mehelyi* Matschie, 1901

K. Andersen and Wroughton

1907	*Lavia frons affinis*	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)

K. Andersen

1904	*Rhinolophus augur*	*Rhinolophus clivosus* Cretzschmar, 1828
1904	*Rhinolophus augur zambesiensis*	*Rhinolophus clivosus* Cretzschmar, 1828
1904	*Rhinolophus augur zuluensis*	*Rhinolophus clivosus* Cretzschmar, 1828
1904	*Rhinolophus simulator*	*Rhinolophus simulator* K. Andersen, 1904
1904	*Rhinolophus empusa*	*Rhinolophus blasii* Peters, 1867
1905	*Rhinolophus acrotis brachygnatus*	*Rhinolophus clivosus* Cretzschmar, 1828
1905	*Rhinolophus Darlingi*	*Rhinolophus darlingi* K. Andersen, 1905
1905	*Rhinolophus fumigatus exsul*	*Rhinolophus fumigatus* Rüppell, 1842
1905	*Rhinolophus Hildebrandti eloquens*	*Rhinolophus eloquens* K. Andersen, 1905
1905	*Rhinolophus hipposiderus typicus*	*Rhinolophus hipposideros* (Bechstein, 1800)
1906	*H[ipposiderus]. gigas gambiensis*	*Macronycteris gigas* (Wagner, 1845)
1906	*Hipposiderus beatus*	*Hipposideros beatus* (K. Andersen, 1906)
1906	*Hipposiderus caffer centralis*	*Hipposideros ruber* (Noack, 1893)
1906	*Hipposiderus caffer guineensis*	*Hipposideros ruber* (Noack, 1893)
1908	*Pteropus rufus princeps*	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1908	*Myonycteris leptodon*	*Myonycteris leptodon* K. Andersen, 1908
1908	*Myonycteris wroughtoni*	*Myonycteris torquata wroughtoni* K. Andersen, 1908
1910	*Epomops franqueti strepitans*	*Epomops franqueti* (Tomes, 1860)
1910	*Plerotes*	*Plerotes* K. Andersen, 1910
1912	*Cynopterinae*	*Pteropodinae* Gray, 1821
1912	*Epomophorinae*	*Rousettinae* Andersen, 1912
1912	*Pteropinae*	*Pteropodinae* Gray, 1821
1912	*Rousettinae*	*Rousettinae* Andersen, 1912
1912	*Petalia aurita*	*Nycteris aurita* (K. Andersen, 1912)
1912	*Petalia damarensis brockmani*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1912	*Petalia damarensis media*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1912	*Petalia gambiensis*	*Nycteris gambiensis* (K. Andersen, 1912)
1912	*Petalia major*	*Nycteris major* (K. Andersen, 1912)
1912	*Petalia nana*	*Nycteris nana* (K. Andersen, 1912)
1914	*Nycteris woodi*	*Nycteris woodi* K. Andersen, 1914
1918	*[Rhinolophus hipposideros] escaleræ*	*Rhinolophus hipposideros* (Bechstein, 1800)
1918	*Asellia tridens diluta*	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)

Anderson

1881	*Phyllorhina tridens murraiana*	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
1902	*Otonycteris petersi*	*Otonycteris hemprichii* Peters, 1859

Ansell

1960	*Epomophorus gambianus parvus*	*Epomophorus crypturus* Peters, 1852

Aristotle

-330	*DERMAPTERA*	*CHIROPTERA* Blumenbach, 1779

Arroyo-Cabrales, Gregorin, Schlitter and Walker

2002	*Tadarida rusingae*	*Mops rusingae* (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)

Barrett-Hamilton

1906	*Pterygistes madeiræ*	*Nyctalus leisleri* (Kuhl, 1817)
1907	*Plecotus teneriffae*	*Plecotus teneriffae* Barrett-Hamilton, 1907

Bates, Ratrimomanarivo, Harrison and Goodman

2006	*Pipistrellus raceyi*	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006

Bechstein

1800	*Vespertilio hipposideros*	*Rhinolophus hipposideros* (Bechstein, 1800)
1800	*Vespertilio megalotis*	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)

Benda

2008	*Plecotus christii petraeus*	*Plecotus christii* Gray, 1838

Benda and Vallo

2009	*Paratriaenops*	*Paratriaenops* Benda and Vallo, 2009
2012	*Rhinolophus horaceki*	*Rhinolophus horaceki* Benda and Vallo, 2012

Benda, Kiefer, Hanák and Veith

2004	*Plecotus teneriffae gaisleri*	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004

Bennett

1836	*Epomophorus*	*Epomophorus* Bennett, 1836
1836	*Pteropus epomophorus*	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1836	*Pteropus Whitei*	*Epomophorus gambianus gambianus* (Ogilby, 1835)

Bergmans

1980	*Myonycteris relicta*	*Myonycteris relicta* Bergmans, 1980
1997	*Lissonycteris angolensis goliath*	*Myonycteris angolensis goliath* (Bergmans, 1997)
1997	*Lissonycteris angolensis petraea*	*Myonycteris angolensis petraea* (Bergmans, 1997)

Bergmans and Van Strien

2004	*Epomophorus anselli*	*Epomophorus anselli* Bergmans and Van Strien, 2004

Bianchi

1917	*Dichromyotis*	*Myotis* Kaup, 1829
1917	*Megapipistrellus*	*Myotis* Kaup, 1829
1917	*Paramyotis*	*Myotis* Kaup, 1829
1917	*Pareptesicus*	*Eptesicus* Rafinesque, 1820
1917	*Rhyneptesicus*	*Eptesicus* Rafinesque, 1820
1917	*Rickettia*	*Myotis* Kaup, 1829

Blanford

1891	*Cerivoula*	*Kerivoula* Gray, 1842

Blasius

1853	*Rhinolophus euryale*	*Rhinolophus euryale* Blasius, 1853

Blumenbach

1779	*CHIROPTERA*	*CHIROPTERA* Blumenbach, 1779
1797	*Vespertilio caninus*	*Pteropus niger* (Kerr, 1792)

Blyth

1840	*Romicius*	*Pipistrellus* Kaup, 1829

Bocage

1889	*Epomophorus Dobsonii*	*Epomophorus dobsonii* Bocage, 1889
1889	*Vesperus bicolor*	*Neoromicia tenuipinnis* (Peters, 1872)
1889	*Vesperus guineensis*	*Neoromicia guineensis* (Bocage, 1889)
1889	*Cynonycteris brachycephala*	*Myonycteris brachycephala* (Bocage, 1889)
1889	*Miniopterus Newtoni*	*Miniopterus newtoni* Bocage, 1889
1891	*Phyllorhina commersoni var. thomensis*	*Macronycteris vittatus* (Peters, 1852)
1898	*Cynonycteris Angolensis*	*Myonycteris angolensis angolensis* (Bocage, 1898)
1898	*Cynonycteris Angolensis*	*Myonycteris angolensis* (Bocage, 1898)

1898	*Epomophorus guineensis*	*Epomophorus gambianus* (Ogilby, 1835)
1898	*Epomophorus guineensis*	*Epomophorus gambianus gambianus* (Ogilby, 1835)

Boie

1830	*Loeconoë*	*Myotis* Kaup, 1829

Bonaparte

1837	*Miniopterus*	*Miniopterus* Bonaparte, 1837
1837	*Noctula*	*Eptesicus* Rafinesque, 1820
1837	*Pipistrella*	*Pipistrellus* Kaup, 1829
1837	*Vespertilio Capaccinii*	*Myotis capaccinii* (Bonaparte, 1837)
1837	*Vespertilio Savii*	*Hypsugo savii* (Bonaparte, 1837)
1838	*PTEROPODIDAE*	*PTEROPODIDAE* Gray, 1821
1838	*Rhinopomina*	*RHINOPOMATIDAE* Dobson, 1872
1841	*Capaccinius*	*Myotis* Kaup, 1829
1841	*Selysius*	*Myotis* Kaup, 1829

Bourret

1951	*Rhinomegalophus*	*Rhinolophus* Lacépède, 1799

Bowdich

1821	*Nyctinoma*	*Tadarida* Rafinesque, 1814
1821	*Rhynopoma*	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
1825	*Nyctalus*	*Nyctalus* Bowdich, 1825
1825	*Nyctalus verrucosus*	*Nyctalus leisleri* (Kuhl, 1817)

Brehm

1827	*Vespertilio ferrugineus*	*Nyctalus lasiopterus* (Schreber, 1780)

Brooks and Bickham

2014	*Scotophilus andrewreborii*	*Scotophilus andrewreborii* Brooks and Bickham, 2014
2014	*Scotophilus livingstonii*	*Scotophilus livingstonii* Brooks and Bickham, 2014
2014	*Scotophilus ejetai*	*Scotophilus ejetai* Brooks and Bickham, 2014
2014	*Scotophilus trujilloi*	*Scotophilus trujilloi* Brooks and Bickham, 2014

Brosset

1966	*Tadarida (Chaerephon) cyclotis*	*Chaerephon aloysiisabaudiae* (Festa, 1907)
1985	*Hipposideros lamottei*	*Hipposideros lamottei* Brosset, 1985

Brünnich

1782	*Vespertilio Microphyllus*	*Rhinopoma microphyllum* (Brünnich, 1782)

Burnett

1829	*Cercopteropus*	*Rousettus* Gray, 1821

Butler

1984	*Chamtwaria*	*Chamtwaria* Butler, 1984
1984	*Chamtwaria pickfordi*	*Chamtwaria pickfordi* Butler, 1984
1984	*Propottininae*	*Propottininae* Butler, 1984

Butler and Hopwood

1957	*Saccolaimus incognita*	*Taphozous incognita* (Butler & Hopwood, 1957)

Cabrera

1904	*Vespertilio Boscai*	*Eptesicus isabellinus* (Temminck, 1840)
1904	*Vespertilio ochromixtus*	*Hypsugo savii* (Bonaparte, 1837)
1906	*Hipposiderus tephrus*	*Hipposideros tephrus* (Cabrera, 1906)
1914	*Noctulinia*	*Nyctalus* Bowdich, 1825
1920	*Rousettus (Lissonycteris) crypticola*	*Myonycteris angolensis* (Bocage, 1898)
1958	*Hesperomyotis*	*Myotis* Kaup, 1829

Cabrera and Ruxton

1926	*Mops angolensis niveiventer*	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926

Castella, Ruedi, Excoffier, Ibanez, Arlettaz and Hausser

2000	*Myotis cf. punicus*	*Myotis punicus* Felten, 1977

Cheesman and Hinton

1924	*Otonycteris jin*	*Otonycteris hemprichii* Peters, 1859

Chubb

1917	*Otomops icarus*	*Otomops martiensseni icarus* Chubb, 1917

Claessen and De Vree

1991	*Epomophorus minimus*	*Epomophorus minimus* Claessen & De Vree, 1991

Cotterill

2002	*Rhinolophus sakejiensis*	*Rhinolophus sakejiensis* Cotterill, 2002

Cretzschmar

1826	*Dysopes pumilus*	*Chaerephon pumilus* (Cretzschmar, 1826)
1826	*Nycticejus leucogaster*	*Scotophilus leucogaster* (Cretzschmar, 1826)
1826	*Vespertilio leucomelas*	*Barbastella leucomelas* (Cretzschmar, 1826)
1826	*Vespertilio temminckii*	*Pipistrellus rueppellii* (Fischer, 1829)
1827	*Vespertilio temminckii*	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
1828	*Rhinolophus clivosus*	*Rhinolophus clivosus* Cretzschmar, 1828
1830	*Vespertilio marginatus*	*Pipistrellus kuhlii* (Kuhl, 1817)
1830-1831	*Dysopes*	*Tadarida* Rafinesque, 1814
1830-1831	*Taphozous nudiventris*	*Taphozous nudiventris* Cretzschmar, 1830

G. Cuvier and E. Geoffroy

1795	*Nycteris*	*Nycteris* G. Cuvier and E. Geoffroy, 1795

Dalquest

1965	*Nycteris vinsoni*	*Nycteris vinsoni* Dalquest, 1965
1965	*Scotophilus alvenslebeni*	*Scotophilus nigrita* (Schreber, 1774)

Daudin

1802	*Spectrum rubidum*	*Pteropus subniger* (Kerr, 1792)

de Beaux

1922	*Rhinolophus hildebrandti perauritus*	*Rhinolophus eloquens* K. Andersen, 1905
1923	*Petalia (Nycteris) thebaica aurantiaca*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1923	*Scotoecus artinii*	*Scotoecus hirundo* (de Winton, 1899)
1924	*Petalia parisii*	*Nycteris parisii* (de Beaux, 1924)
1924	*Hipposideros caffer aurantiaca*	*Hipposideros caffer* (Sundevall, 1846)
1931	*Asellia patrizii*	*Asellia patrizii* de Beaux, 1931
1931	*Asellia tridens italo-somalica*	*Asellia italosomalica* de Beaux, 1931

de Blainville

1837	*Myoptera*	*Myopterus* E. Geoffroy St.-Hilaire, 1818

De Vree

1972	*Pipistrellus eisentrauti bellieri*	*Hypsugo crassulus* (Thomas, 1904)

de Winton

1897	*Rhinolophus micaceus*	*Doryrhina cyclops* (Temminck, 1853)
1899	*Scotophilus hirundo*	*Scotoecus hirundo* (de Winton, 1899)
1899	*Scotophilus nigritellus*	*Scotophilus viridis* (Peters, 1852)
1901	*Glauconycteris Floweri*	*Eptesicus floweri* (de Winton, 1901)
1901	*N(yctinomus) midas*	*Tadarida ventralis* (Heuglin, 1861)
1901	*Nyctinomus Emini*	*Chaerephon major* (Trouessart, 1897)
1901	*Nyctinomus gambianus*	*Chaerephon pumilus* (Cretzschmar, 1826)

Decher, Hutterer and Monadjem

2016	*Neoromicia isabella*	*Neoromicia isabella* Decher, Hutterer and Monadjem, 2016

Deleuil and Labbé

1955	*Rhinolophus euryale tuneti*	*Rhinolophus mehelyi* Matschie, 1901

Desmarest

1820	*Myopteris*	*Myopterus* E. Geoffroy St.-Hilaire, 1818
1820	*Myopterus daubentonii*	*Myopterus daubentonii* Desmarest, 1820
1820	*Nycteris Geoffroyi*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1820	*Taphozous senegalensis*	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818

Dobson

1871	*Triaenops*	*Triaenops* Dobson, 1871
1872	*Rhinopomatidae*	*RHINOPOMATIDAE* Dobson, 1872
1872	*Rhinopomatoidea*	*RHINOPOMATOIDEA* Dobson, 1872
1874	*Nyctinomus (Chaerephon)*	*Chaerephon* Dobson, 1874
1875	*Scotophilus gigas*	*Scotophilus nigrita* (Schreber, 1774)
1875	*Vespertilio murinus africanus*	*Myotis punicus* Felten, 1977
1875	*Chalinolobus argentatus*	*Glauconycteris argentata* (Dobson, 1875)
1875	*Glauconycteris*	*Glauconycteris* Dobson, 1875
1875	*Vesperugo pulcher*	*Pipistrellus rueppellii pulcher* (Dobson, 1875)
1875	*Miniopteri*	*MINIOPTERIDAE* Dobson, 1875
1875	*Miniopteridae*	*MINIOPTERIDAE* Dobson, 1875
1875	*MEGACHIROPTERA*	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1875	*MICROCHIROPTERA*	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1875	*MICROCHIROPTERA*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1876	*Taphonycteris*	*Saccolaimus* Temminck, 1838
1876	*Nyctinomus africanus*	*Tadarida ventralis* (Heuglin, 1861)
1876	*Vesperugo (Vesperus) grandidieri*	*Pipistrellus grandidieri* (Dobson, 1876)
1876	*Nycteris macrotis*	*Nycteris macrotis* Dobson, 1876
1877	*Nyctinomus [(Mormopterus)] albiventer*	*Mormopterus jugularis* (Peters, 1865)
1877	*Nyctinomus [(Nyctinomus)] cestoni*	*Tadarida ventralis* (Heuglin, 1861)
1878	*Cynonycteris torquata*	*Myonycteris torquata* (Dobson, 1878)
1878	*Cynonycteris torquata*	*Myonycteris torquata torquata* (Dobson, 1878)
1878	*Kerivoula africana*	*Kerivoula africana* Dobson, 1878
1878	*Kerivoula brunnea*	*Kerivoula lanosa* (A. Smith, 1847)
1878	*Nycteris æthiopica*	*Nycteris macrotis* Dobson, 1876
1878	*Plecotus ægyptiacus*	*Plecotus christii* Gray, 1838
1878	*Pteropus rodricensis*	*Pteropus rodricensis* Dobson, 1878
1878	*Vesperugo [(Vesperugo)] maderensis*	*Pipistrellus maderensis* (Dobson, 1878)
1880	*Epomophorus minor*	*Epomophorus minor* Dobson, 1880
1885	*Rhinolophus antinorii*	*Rhinolophus fumigatus* Rüppell, 1842

Dollman

1908	*Chœrephon websteri*	*Chaerephon leucogaster* (A. Grandidier, 1869)
1911	*Xiphonycteris*	*Mops (Xiphonycteris)* Dollman, 1911
1911	*Xiphonycteris spurrelli*	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)

Dorst

1953	*Otomops madagascariensis*	*Otomops madagascariensis* Dorst, 1953
1960	*? anjouanensis*	*Myotis anjouanensis* (Dorst, 1960)
1960	*Pipistrellus Rüppelli senegalensis*	*Pipistrellus rueppellii senegalensis* Dorst, 1960

Eger and Schlitter

2001	*Glauconycteris curryi*	*Glauconycteris curryae* Eger and Schlitter, 2001

Eisentraut

1956	*Hipposideros camerunensis*	*Hipposideros camerunensis* Eisentraut, 1956
1960	*Rousettus aegyptiacus occidentalis*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1960	*Rhinolophus denti knorri*	*Rhinolophus denti* Thomas, 1904
1960	*Rhinolophus landeri guineensis*	*Rhinolophus guineensis* Eisentraut, 1960
1965	*Rousettus angolensis ruwenzorii*	*Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)

El Rayah

1981	*Tadarida [(Xiphonycteris)] petersoni*	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)

J. Eric Hill

1942	*Rhinolophus ruwenzorii*	*Rhinolophus ruwenzorii* J. Eric Hill, 1942

Erxleben

1777	*Pteropus*	*Pteropus* Erxleben, 1777

Fahr and Kerbis Peterhans

2013	*Rhinolophus kahuzi*	*Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013

Fahr, Vierhaus, Hutterer and Kock

2002	*Rhinolophus ziama*	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002

Fatio

1869	*Gymnorhinida*	*VESPERTILIONIDAE* Gray, 1821
1869	*Vesperugo noctula var. maxima*	*Nyctalus lasiopterus* (Schreber, 1780)

Feiler, Haft and Widmann

1993	*Rousettus aegyptiacus thomensis*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)

Felten

1977	*Myotis blythii punicus*	*Myotis punicus* Felten, 1977

Festa

1907	*Nyctinomus aloysii-sabaudiae*	*Chaerephon aloysiisabaudiae* (Festa, 1907)

G. Fischer

1814	*Pteropus torquatus*	*Pteropus subniger* (Kerr, 1792)

J.B. Fischer

1829	*Vespertilio auritus ß aegyptius*	*Plecotus christii* Gray, 1838
1829	*Vespertilio Rüppelii*	*Pipistrellus rueppellii* (Fischer, 1829)
1829	*Vespertilio ruppellii*	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)

Fitzinger

1861	*Nyctophylax*	*Kerivoula* Gray, 1842
1866	*Rhinopoma longicaudatum*	*Rhinopoma cystops* Thomas, 1903
1866	*Rhinopoma sennaariense*	*Rhinopoma cystops* Thomas, 1903
1866	*Xantharpyia leucomelas*	*Eidolon helvum helvum* (Kerr, 1792)
1870	*Aëorestes*	*Myotis* Kaup, 1829
1870	*Comastes*	*Myotis* Kaup, 1829
1870	*Exochurus*	*Myotis* Kaup, 1829

1870	*Nyctiptenus*	*Eptesicus* Rafinesque, 1820
1870	*Rhinolophus Eggenhöffner*	*Rhinolophus hipposideros* (Bechstein, 1800)

Fitzinger and Heuglin

1866	*Plecotus ustus*	*Otonycteris hemprichii* Peters, 1859

Fleming

1822	*Nyctinomia*	*Tadarida* Rafinesque, 1814

Flemming

1822	*CHEIROPTERA*	*CHIROPTERA* Blumenbach, 1779

Foley, Goodman, Whelan, Puechmaille and Teeling

2017	*M[acronycteris] cryptovalorona*	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)

Forbes

1882	*Liponyx*	*Eidolon* Rafinesque, 1815

Fraser

1843	*Rhinolophus Martini*	*Nycteris hispida* (Schreber, 1774)

E. Geoffroy Saint-Hilaire

1803	*major*	*Rhinolophus ferrumequinum* (Schreber, 1774)
1803	*Pteropus fuscus*	*Pteropus niger* (Kerr, 1792)
1803	*Pteropus ruber*	*Pteropus subniger* (Kerr, 1792)
1803	*Pteropus rufus*	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1803	*Pteropus stramineus*	*Eidolon helvum helvum* (Kerr, 1792)
1803	*Vespertilio borbonicus*	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
1806	*Vespertilio emarginatus*	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
1810	*Megaderma frons*	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
1810	*Pteropus Edwardsii*	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1810	*Pteropus Egyptiacus*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1810	*Pteropus rubricollis*	*Pteropus subniger* (Kerr, 1792)
1810	*Pteropus vulgaris*	*Pteropus niger* (Kerr, 1792)
1813	*Nycteris Daubentonii*	*Nycteris hispida* (Schreber, 1774)
1813	*Rhinolophus Commersonii*	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
1813	*Rhinolophus tridens*	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
1818	*Myopterus*	*Myopterus* E. Geoffroy St.-Hilaire, 1818
1818	*Nycteris Thebaicus*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1818	*Nyctinomus*	*Tadarida* Rafinesque, 1814
1818	*Nyctinomus ægyptiacus*	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
1818	*Nyctinomus ægyptiacus*	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
1818	*Plecotus*	*Plecotus* E. Geoffroy St.-Hilaire, 1818
1818	*Pteropus aegyptiacus*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1818	*Rhinopoma*	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
1818	*Taphozous*	*Taphozous* E. Geoffroy St.-Hilaire, 1818
1818	*Taphozous mauritianus*	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
1818	*Taphozous perforatus*	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
1818	*Taphozous perforatus*	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818

E. Geoffroy St.-Hillaire

1810	*Megaderma*	*Megaderma* E. Geoffroy St.-Hilaire, 1810

Gervais

1836	*Rhinocrepis*	*Rhinolophus* Lacépède, 1799
1849	*Kirivoula*	*Kerivoula* Gray, 1842
1854	*Rhinolophides*	*RHINOLOPHIDAE* Gray, 1825
1855	*Emballonuridae*	*EMBALLONURIDAE* Gervais, 1855
1856	*Molossidae*	*MOLOSSIDAE* Gervais, 1856
1856	*Molossinae*	*Molossinae* Gervais, 1856

1855	*Nycticeina*	*VESPERTILIONIDAE* Gray, 1821
1856	*Molossoidae*	*MOLOSSOIDEA* Gervais, 1856

Giebel

1855	*FRUGIVORA*	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1855	*Gymnorhina*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

Gill

1872	*ANIMALIVORA*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1872	*Megadermidae*	*MEGADERMATIDAE* H. Allen, 1864

Goldfuss

1809	*Vespertilio caninus var. b*	*Eidolon helvum helvum* (Kerr, 1792)

Goodman and Cardiff

2004	*Chaerephon jobimena*	*Chaerephon jobimena* Goodman and Cardiff, 2004

Goodman and Ranivo

2008	*Triaenops pauliani*	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
2009	*Triaenops menamena*	*Triaenops menamena* Goodman and Ranivo, 2009

Goodman, Bradman, Christides and Appleton

2009	*Miniopterus mahafaliensis*	*Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009

Goodman, Bradman, Maminirina, Ryan, Christidis and Appleton

2008	*Miniopterus petersoni*	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008

Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb

2010	*Chaerephon atsinanana*	*Chaerephon atsinanana* Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010

Goodman, Cardiff, Ranivo, Russell and Yoder

2006	*Emballonura tiavato*	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)

Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst and Bowie

2008	*Mormopterus francoismoutoui*	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008

Goodman, Jenkins and Ratrimomanarivo

2005	*Scotophilus tandrefana*	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005

Goodman, Kearney, Ratsimbazafy and Hassanin

2017	*Neoromicia stanleyi*	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017

Goodman, Maminirina, Bradman, Christidis and Appleton

2009	*Miniopterus griffithsi*	*Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
2009	*Miniopterus brachytragos*	*Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009

Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton

2009	*Miniopterus aelleni*	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009

Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling

2012	*Coleura kibomalandy*	*Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
2012	*Paremballonura*	*Paremballonura* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
2012	*Paremballonura atrata*	*Paremballonura atrata* (Peters, 1874)
2012	*Paremballonura tiavato*	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)

Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton

2015	*Hypsugo bemainty*	*Hypsugo bemainty* Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015

Goodman, Rakotondraparany and Kofoky

2007	*Myzopoda schliemanni*	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007

Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton

2011	*Miniopterus egeri*	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011

Goodman, Ramasindrazana, Naughton and Appleton

2015	*Miniopterus ambohitrensis*	*Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015

Goodman, Ratrimomanarivo and Randrianandrianina

2006	*Scotophilus marovaza*	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006

Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton

2007	*Miniopterus sororculus*	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007

Goodman, Schoeman, Rakotoarivelo and Willows-Munro

2016	*Hipposideros cryptovalorona*	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)

Goodman, Taylor, Ratrimomanarivo and Hoofer

2012	*Neoromicia robertsi*	*Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012

Gough

1908	*Rhinolophus swinnyi*	*Rhinolophus swinnyi* Gough, 1908

A. Grandidier

1869	*Nyctinomus leucogaster*	*Chaerephon leucogaster* (A. Grandidier, 1869)
1869	*Nyctinomus Miarensis*	*Mops (Mops) midas miarensis* (A. Grandidier, 1869)
1870	*Nyctinomus unicolor*	*Mops (Mops) midas miarensis* (A. Grandidier, 1869)
1870	*Vespertilio sylvicola*	*Myotis goudoti* (A. Smith, 1834)

G. Grandidier

1912	*Triænops aurita*	*Paratriaenops auritus* (G. Grandidier, 1912)
1929	*Rousettus madagascariensis*	*Rousettus madagascariensis* G. Grandidier, 1929
1937	*Nycteris madagascariensis*	*Nycteris madagascariensis* G. Grandidier, 1937

Granvik

1924	*Eptesicus loveni*	*Myotis tricolor* (Temminck, 1832)

Gray

1821	*Barbastella*	*Barbastella* Gray, 1821
1821	*Nyctinomes*	*Tadarida* Rafinesque, 1814
1821	*Pteropidae*	*PTEROPODIDAE* Gray, 1821
1821	*Vespertilionidae*	*VESPERTILIONIDAE* Gray, 1821
1821	*Vespertilioninae*	*Vespertilioninae* Gray, 1821
1821	*Vespertilionoidea*	*VESPERTILIONOIDEA* Gray, 1821
1821	*Cephalotidae*	*PTEROPODIDAE* Gray, 1821
1821	*CHEIROPTERA*	*CHIROPTERA* Blumenbach, 1779
1821	*FRUCTIVORAE*	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1821	*INSECTIVORAE*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1821	*Pteropodinae*	*Pteropodinae* Gray, 1821
1821	*PTEROPODOIDEA*	*PTEROPODOIDEA* Gray, 1821
1825	*Rhinolophidae*	*RHINOLOPHIDAE* Gray, 1825
1825	*Rhinolophoidea*	*RHINOLOPHOIDEA* J. E. Gray, 1825
1831	*Hipposideros*	*Hipposideros* Gray, 1831
1831	*Pachyotus*	*Scotophilus* Leach, 1821
1834	*Hipposiderus*	*Hipposideros* Gray, 1831
1838	*Asellia*	*Asellia* Gray, 1838
1838	*Barbastellus communis*	*Barbastella barbastellus* (Schreber, 1774)
1838	*Lavia*	*Lavia* Gray, 1838
1838	*Petalia*	*Nycteris* G. Cuvier and E. Geoffroy, 1795
1838	*Plecotus christii*	*Plecotus christii* Gray, 1838
1838	*Romicia*	*Pipistrellus* Kaup, 1829
1842	*Kerivoula*	*Kerivoula* Gray, 1842
1842	*Kerivoula poensis*	*Glauconycteris poensis* (Gray, 1842)
1842	*Noctulinia*	*Nyctalus* Bowdich, 1825
1842	*Trilatitus*	*Myotis* Kaup, 1829
1843	*Nycteris poensis*	*Nycteris hispida* (Schreber, 1774)
1843	*Xantharpyia*	*Rousettus* Gray, 1821
1844	*Eleutherura*	*Rousettus* Gray, 1821
1847	*Aquias*	*Rhinolophus* Lacépède, 1799
1866	*Nyctericina*	*NYCTERIDAE* Van der Hoeven, 1855
1866	*Diclidurina*	*EMBALLONURIDAE* Gervais, 1855
1866	*Emballonurina*	*EMBALLONURIDAE* Gervais, 1855
1866	*Molossina*	*MOLOSSIDAE* Gervais, 1856
1866	*Nyctophilina*	*VESPERTILIONIDAE* Gray, 1821
1866	*Pachyomus*	*Eptesicus* Rafinesque, 1820
1866	*Plecotina*	*VESPERTILIONIDAE* Gray, 1821
1866	*Romiciana*	*VESPERTILIONIDAE* Gray, 1821
1866	*Vespertilionina*	*VESPERTILIONIDAE* Gray, 1821
1866	*Chrysonycteris*	*Hipposideros* Gray, 1831
1866	*Epomophorina*	*Pteropodinae* Gray, 1821
1866	*Eunycteris*	*Pteropus* Erxleben, 1777
1866	*Gloionycteris*	*Hipposideros* Gray, 1831
1866	*Macronycteris*	*Macronycteris* Gray, 1866
1866	*Megadermina*	*MEGADERMATIDAE* H. Allen, 1864
1866	*Nycterops*	*Nycteris* G. Cuvier and E. Geoffroy, 1795
1866	*Nycterops pilosa*	*Nycteris hispida* (Schreber, 1774)
1866	*Phyllotis*	*Rhinolophus* Lacépède, 1799
1866	*Pteropus livingstonii*	*Pteropus livingstonii* Gray, 1866
1866	*Rhinonycterina*	*RHINONYCTERIDAE* J. E. Gray, 1866
1866	*Rhinophylla*	*Hipposideros* Gray, 1831
1866	*Speorifera*	*Hipposideros* Gray, 1831
1866	*Scotophilus welwitschii*	*Myotis welwitschii* (Gray, 1866)
1866	*Nycteris Baikii*	*Nycteris grandis* Peters, 1865
1866	*Rhinonycteridae*	*RHINONYCTERIDAE* J. E. Gray, 1866
1866	*Scotophilina*	*Scotophilinae* Van Cakenberghe and Seamark, 2008
1866	*Spasma*	*Megaderma* E. Geoffroy St.-Hilaire, 1810

1870	*[Epomophorus macrocephalus] var. angolensis*	*Epomophorus angolensis* Gray, 1870
1870	*[Epomophorus macrocephalus] var. unicolor*	*Epomophorus wahlbergi* (Sundevall, 1846)
1870	*Cynopterus collaris*	*Myonycteris torquata* (Dobson, 1878)
1870	*Eleutherura unicolor*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1870	*Epomophorus macrocephalus var. unicolor*	*Epomophorus wahlbergi* (Sundevall, 1846)
1870	*Epomops*	*Epomops* Gray, 1866
1870	*Pselaphon*	*Pteropus* Erxleben, 1777
1870	*Senonycteris*	*Rousettus* Gray, 1821
1870	*Spectrum vulgare*	*Pteropus niger* (Kerr, 1792)
1870	*Stenonycteris*	*Stenonycteris* Gray, 1870
1821	*Rousettus*	*Rousettus* Gray, 1821

Guillén-Servent, Francis and Ricklefs

2003	*Indorhinolophus*	*Rhinolophus* Lacépède, 1799

Gunnell, Butler, Greenwood and Simmons

2015	*Cardioderma leakeyi*	*Cardioderma leakeyi* Gunnell, Butler, Greenwood and Simmons, 2015
2015	*Myzopoda africana*	*Myzopoda africana* Gunnell, Butler, Greenwood and Simmons, 2015
2015	*Nycticeinops serengetiensis*	*Nycticeinops serengetiensis* Gunnell, Butler, Greenwood and Simmons, 2015
2015	*Scotoecus olduvensis*	*Scotoecus olduvensis* Gunnell, Butler, Greenwood and Simmons, 2015

Gunnell, Eiting, and Geraads

2011	*Miniopterus horaceki*	*Miniopterus horaceki* Gunnell, Eiting, and Geraads, 2011
2011	*Myotis darelbeidensis*	*Myotis darelbeidensis* Gunnell, Eiting, and Geraads, 2011
2011	*Rhinolophus maghrebensis*	*Rhinolophus maghrebensis* Gunnell, Eiting, and Geraads, 2011

Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch

2003	*Tanzanycteridae*	*TANZANYCTERIDIDAE* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
2003	*Tanzanycteris*	*Tanzanycteris* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
2003	*Tanzanycteris mannardi*	*Tanzanycteris mannardi* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003

Gunnell, Simmons and Seiffert

2014	*Phasmatonycteris*	*Phasmatonycteris* Gunnell, Simmons and Seiffert, 2014
2014	*Phasmatonycteris butleri*	*Phasmatonycteris butleri* Gunnell, Simmons and Seiffert, 2014
2014	*Phasmatonycteris phiomensis*	*Phasmatonycteris phiomensis* Gunnell, Simmons and Seiffert, 2014

Gunnell, Simons and Seiffert

2008	*Dhofarella sigei*	*Dhofarella sigei* Gunnell, Simons and Seiffert, 2008
2008	*Khonsunycteris*	*Khonsunycteris* Gunnell, Simons and Seiffert, 2008
2008	*Khonsunycteris aegypticus*	*Khonsunycteris aegypticus* Gunnell, Simons and Seiffert, 2008
2008	*Qarunycteris*	*Qarunycteris* Gunnell, Simons and Seiffert, 2008
2008	*Qarunycteris moerisae*	*Qarunycteris moerisae* Gunnell, Simons and Seiffert, 2008
2008	*Saharaderma*	*Saharaderma* Gunnell, Simons and Seiffert, 2008
2008	*Saharaderma pseudovampyrus*	*Saharaderma pseudovampyrus* Gunnell, Simons and Seiffert, 2008
2008	*Witwatia*	*Witwatia* Gunnell, Simons and Seiffert, 2008
2008	*Witwatia eremicus*	*Witwatia eremicus* Gunnell, Simons and Seiffert, 2008
2008	*Witwatia schlosseri*	*Witwatia schlosseri* Gunnell, Simons and Seiffert, 2008

Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich

2015	*Hipposideros (Pseudorhinolophus) amenhotepos*	*Hipposideros amenhotepos* Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, 2015

Haeckel

1866	*Nycterides*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1866	*Pterocynes*	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

Hall and Kelson

1959	*Nyctiptennis*	*Eptesicus* Rafinesque, 1820

Hallowell

1846	*Pteropus Haldemani*	*Epomophorus wahlbergi* (Sundevall, 1846)

Hand and Archer

2005	*Brevipalatus*	*Brevipalatus* Hand and Archer, 2005

M. Happold

2005	*Myotis dieteri*	*Myotis dieteri* M. Happold, 2005

Harrison

1956	*Platymops barbatogularis*	*Platymops setiger macmillani* Thomas, 1906
1958	*Taphozous perforatus swirae*	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
1959	*Miniopterus minor griveaudi*	*Miniopterus griveaudi* Harrison, 1959
1962	*Taphozous sudani australis*	*Taphozous perforatus sudani* Thomas, 1915
1964	*Taphozous sudani rhodesiae*	*Taphozous perforatus sudani* Thomas, 1915
1975	*Tadarida (Chaerephon) gallagheri*	*Chaerephon gallagheri* (Harrison, 1975)

Harrison and Fleetwood

1960	*Platymops barbatogularis parkeri*	*Platymops setiger macmillani* Thomas, 1906

Hartmann

1868	*Nycteris Geoffroyi Var. Senegalensis*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1868	*Rhinopoma sennarense*	*Rhinopoma cystops* Thomas, 1903

Hassanin

2014	*Casinycteris campomaanensis*	*Casinycteris campomaanensis* Hassanin, 2014

Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing

2017	*Glauconycteris atra*	*Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017

Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo

2015	*Scotonycteris bergmansi*	*Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
2015	*Scotonycteris bergmansi bergmansi*	*Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
2015	*Scotonycteris bergmansi congoensis*	*Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015

Hatt

1928	*Chærophon (Lophomops) nigri*	*Chaerephon leucogaster* (A. Grandidier, 1869)

Hayman

1937	*R[hinopoma] cystops macinnesi*	*Rhinopoma macinnesi* Hayman, 1937
1938	*Chærephon lancasteri*	*Chaerephon chapini* J.A. Allen, 1917
1939	*Glauconycteris superba*	*Glauconycteris superba* Hayman, 1939
1940	*Mops calabarensis*	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
1946	*Scotonycteris ophiodon cansdalei*	*Casinycteris ophiodon* (Pohle, 1943)
1947	*Scotonycteris zenkeri occidentalis*	*Scotonycteris occidentalis* Hayman, 1947
1947	*Glauconycteris superba sheila*	*Glauconycteris superba* Hayman, 1939
1947	*Hipposideros jonesi*	*Hipposideros jonesi* Hayman, 1947
1951	*Tadarida (Chaerephon) faini*	*Chaerephon pumilus* (Cretzschmar, 1826)
1963	*Glauconycteris machadoi*	*Glauconycteris machadoi* Hayman, 1963
1963	*Micropteropus intermedius*	*Micropteropus intermedius* Hayman, 1963
1966	*Megaloglossus woermanni prigoginei*	*Megaloglossus woermanni* Pagenstecher, 1885

Heim de Balsac

1934	*Rhinolophus acrotis schwarzi*	*Rhinolophus clivosus* Cretzschmar, 1828
1936	*P[ipistrellus] k[uhlii] pallidus*	*Pipistrellus kuhlii* (Kuhl, 1817)

Heller

1912	*Miniopterus natalensis arenarius*	*Miniopterus natalensis* (A. Smith, 1833)
1912	*Pipistrellus aero*	*Pipistrellus aero* Heller, 1912
1912	*Pipistrellus helios*	*Neoromicia helios* (Heller, 1912)

Herkt, Skidmore and Fahr

2017	*Pipistrellus krugeri*	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017

Hermann

1804	*V[espertilio] acetabulosus*	*Mormopterus acetabulosus acetabulosus* (Hermann, 1804)
1804	*V[espertilio] acetabulosus*	*Mormopterus acetabulosus* (Hermann, 1804)
1804	*V[espertilio] mauritianus*	*Pteropus niger* (Kerr, 1792)

Heuglin

1861	*Nycteris labiata*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1861	*Nycticejus flavigaster*	*Scotophilus leucogaster* (Cretzschmar, 1826)
1861	*Nycticejus murino-flavus*	*Scotophilus leucogaster* (Cretzschmar, 1826)
1861	*Nyctinomus (Dysopes) ventralis*	*Tadarida ventralis* (Heuglin, 1861)
1861	*Nyctinomus bivittatus*	*Chaerephon bivittatus* (Heuglin, 1861)
1861	*Phyllorrhina bicornis*	*Hipposideros tephrus* (Cabrera, 1906)
1861	*Phyllorrhina megalotis*	*Hipposideros megalotis* (Heuglin, 1861)
1861	*Rhinolophus acrotis*	*Rhinolophus clivosus* Cretzschmar, 1828
1861	*Rhinolophus miminus*	*Rhinolophus hipposideros* (Bechstein, 1800)
1864	*Dysopes hepaticus*	*Mops (Mops) condylurus* (A. Smith, 1833)
1864	*Epomophorus anurus*	*Epomophorus labiatus* (Temminck, 1837)
1865	*Pteropus palmarum*	*Eidolon helvum helvum* (Kerr, 1792)
1866	*Plecotus æthiopicus*	*Plecotus christii* Gray, 1838
1866	*Xantharpyia leucomelas*	*Eidolon helvum* (Kerr, 1792)
1877	*Dysopes talpinus*	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
1877	*N[ycticejus] adovanus*	*Nycticeinops schlieffenii* (Peters, 1859)
1877	*Nycticejus eriophorus*	*Kerivoula eriophora* (Heuglin, 1877)
1877	*Nycticejus serratus*	*Taphozous nudiventris* Cretzschmar, 1830
1877	*Rhinolophus macrocephalus*	*Rhinolophus fumigatus* Rüppell, 1842
1877	*Rhinopoma cordofanicum*	*Rhinopoma microphyllum* (Brünnich, 1782)
1877	*Taphozous maritimus*	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
1877	*Vesperugo senarensis*	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)

Heuglin and Fitzinger

1866	*Plecotus æthiopicus*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1866	*Vesperugo hypoleucus*	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
1866	*Vesperugo sennaariensis*	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)

Hewitt

1913	*Rhinolophus swinnyi piriensis*	*Rhinolophus swinnyi* Gough, 1908

Hill

1968	*Pipistrellus eisentrauti*	*Hypsugo eisentrauti* (Hill, 1968)
1971	*Myotis morrisi*	*Myotis morrisi* Hill, 1971

Hill and Harrison

1987	*Nycticeinops*	*Nycticeinops* Hill & Harrison, 1987

Hill and Morris

1971	*Epomophorus sp.*	*Epomophorus labiatus* (Temminck, 1837)

J.Eric Hill

1937	*Eptesicus capensis angolensis*	*Pipistrellus grandidieri* (Dobson, 1876)
1937	*Mops chitauensis*	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926

Hinton

1920	*Kerivoula lucia*	*Kerivoula lanosa* (A. Smith, 1847)
1920	*Mimetillus thomasi*	*Mimetillus thomasi* Hinton, 1920

Hodgson

1847	*Eucheira*	*Megaderma* E. Geoffroy St.-Hilaire, 1810

Hollister

1916	*Chaerephon pumilus naivashæ*	*Chaerephon pumilus* (Cretzschmar, 1826)
1916	*Eptesicus ugandæ*	*Neoromicia somalica* (Thomas, 1901)
1916	*Rhinolophus keniensis*	*Rhinolophus clivosus* Cretzschmar, 1828

Horácek, Fejfar and Hulva

2006	*Philisinae*	*Scotophilinae* Van Cakenberghe and Seamark, 2008
2006	*Scotophilisis*	*Scotophilisis* Horácek, Fejfar and Hulva, 2006
2006	*Scotophilisis libycus*	*Scotophilisis libycus* Horácek, Fejfar and Hulva, 2006

Horsfield

1823-1824	*Nyctinomus mauritianus*	*Mormopterus acetabulosus acetabulosus* (Hermann, 1804)

Hulva and Benda

2004	*Pipistrellus hanaki*	*Pipistrellus hanaki* Hulva and Benda, 2004

Hutcheon and Kirsch

2004	*PTEROPODIFORMES*	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2004	*VESPERTILIONIFORMES*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

Illiger

1815	*Pteropus collaris*	*Pteropus subniger* (Kerr, 1792)
1815	*Pteropus flavus*	*Eidolon helvum helvum* (Kerr, 1792)

Iredale and Troughton

1934	*Austronomus*	*Tadarida* Rafinesque, 1814

Jameson

1909	*Miniopterus breyeri*	*Miniopterus natalensis* (A. Smith, 1833)

Jentink

1879	*Nyctinomus Bemmeleni*	*Chaerephon bemmeleni* (Jentink, 1879)
1879	*Taphozous Dobsoni*	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
1881	*Leiponyx*	*Eidolon* Rafinesque, 1815
1881	*Leiponyx büttikoferi*	*Eidolon helvum helvum* (Kerr, 1792)
1888	*Epomophorus veldkampii*	*Nanonycteris veldkampii* (Jentink, 1888)
1888	*Vesperugo stampflii*	*Neoromicia nana* (Peters, 1852)
1904	*Kehelvoulha*	*Kerivoula* Gray, 1842
1910	*Chrysopteron*	*Myotis* Kaup, 1829

Jerdon

1877	*Taphozoinae*	*EMBALLONURIDAE* Gervais, 1855

Juste and Ibáñez

1992	*Miniopterus minor occidentalis*	*Miniopterus minor* Peters, 1867
1993	*Tadarida (Chaerephon) tomensis*	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
1993	*Rousettus aegyptiacus tomensis*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1993	*Roussetus aegyptiacus princeps*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)

Juste, Ibáñez and Machordom

2000	*Eidolon helvum annobonensis*	*Eidolon helvum helvum* (Kerr, 1792)

Kaup

1829	*Barbastellus*	*Barbastella* Gray, 1821
1829	*Cnephæus*	*Eptesicus* Rafinesque, 1820
1829	*Myotis*	*Myotis* Kaup, 1829
1829	*Nystactes*	*Myotis* Kaup, 1829
1829	*Pipistrellus*	*Pipistrellus* Kaup, 1829
1829	*Pterygistes*	*Nyctalus* Bowdich, 1825

Kerbis Peterhans and Fahr

2013	*Rhinolophus willardi*	*Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013

Kerr

1792	*minor*	*Rhinolophus hipposideros* (Bechstein, 1800)
1792	*Vespertilio vampirus niger*	*Pteropus niger* (Kerr, 1792)
1792	*Vespertilio vampyrus helvus*	*Eidolon helvum helvum* (Kerr, 1792)
1792	*Vespertilio vampyrus helvus*	*Eidolon helvum* (Kerr, 1792)
1792	*Vespertilio vampyrus subniger*	*Pteropus subniger* (Kerr, 1792)
1792	*Vespertilio ferrum-equinum major*	*Rhinolophus ferrumequinum* (Schreber, 1774)

Kershaw

1922	*Kerivoula lueia*	*Kerivoula lanosa* (A. Smith, 1847)
1922	*Nycteris oriana*	*Nycteris macrotis* Dobson, 1876
1923	*Nycteris marica*	*Nycteris grandis* Peters, 1865

Keyserling and Blasius

1839	*Synotus*	*Barbastella* Gray, 1821
1839	*Vesperugo*	*Pipistrellus* Kaup, 1829
1839	*Vesperugo*	*Nyctalus* Bowdich, 1825
1839	*Vesperugo*	*Eptesicus* Rafinesque, 1820
1839	*Vesperus*	*Eptesicus* Rafinesque, 1820

Kirk

1865	*Nycticejus nidicola*	*Kerivoula argentata* Tomes, 1861

Kishida and Mori

1931	*Tuitatus*	*Eptesicus* Rafinesque, 1820

Koch

1860	*Phyllorrhina*	*HIPPOSIDERIDAE* Lydekker, 1891

Kock

1969	*Rhinopoma hardwickei sennaariense*	*Rhinopoma cystops* Thomas, 1903
1969	*Rhinopoma microphyllum tropicalis*	*Rhinopoma microphyllum* (Brünnich, 1782)
1978	*Rousettus (Rousettus) obliviosus*	*Rousettus obliviosus* Kock, 1978
2001	*Pipistrellus africanus meesteri*	*Neoromicia nana* (Peters, 1852)

Kock, Csorba and Howell

2000	*Rhinolophus maendeleo*	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000

Kolenati

1856	*Brachyotus*	*Myotis* Kaup, 1829
1856	*Cateorus*	*Eptesicus* Rafinesque, 1820
1856	*Hypsugo*	*Hypsugo* Kolenati, 1856
1856	*Isotus*	*Myotis* Kaup, 1829
1856	*Meteorus*	*Eptesicus* Rafinesque, 1820
1856	*Nannugo*	*Pipistrellus* Kaup, 1829
1856	*Panugo*	*Nyctalus* Bowdich, 1825
1858	*Amblyotus*	*Eptesicus* Rafinesque, 1820
1863	*Aristippe*	*Eptesicus* Rafinesque, 1820

Koopman

1989	*Rhinolophus clivosus hillorum*	*Rhinolophus hillorum* Koopman, 1989

Koopman and J.K. Jones Jr.

1970	*Cynopterini*	*Pteropodinae* Gray, 1821
1970	*Rousettina*	*Rousettinae* Andersen, 1912

Kruskop and Lavrenchenko

2000	*Plecotus balensis*	*Plecotus balensis* Kruskop & Lavrenchenko, 2000

Kruskop, Benda, Vasenkov and Lavrenchenko

2016	*Nycteris cf. parisii*	*Nycteris cf. parisii* De Beaux, 1924

Kuhl

1817	*Vespertilio Kuhlii*	*Pipistrellus kuhlii* (Kuhl, 1817)
1817	*Vespertilio Leisleri*	*Nyctalus leisleri* (Kuhl, 1817)
1817	*Vespertilio mystacinus*	*Myotis mystacinus* (Kuhl, 1817)
1817	*Vespertilio schreibersii*	*Miniopterus schreibersii* (Kuhl, 1817)
1819	*Vespertilio dasykarpos*	*Nyctalus leisleri* (Kuhl, 1817)

Lacépède

1799	*Rhinolophus*	*Rhinolophus* Lacépède, 1799
1799	*Spectrum*	*Pteropus* Erxleben, 1777

Lataste

1887	*Vesperugo (Vesperus) Innesi*	*Eptesicus bottae* (Peters, 1869)

Laurent

1936	*Plecotus auritus saharae*	*Otonycteris hemprichii* Peters, 1859
1937	*Rhinolophus hipposideros vespa*	*Rhinolophus hipposideros* (Bechstein, 1800)
1937	*[Pipistrellus Kühli] latastei*	*Pipistrellus kuhlii* (Kuhl, 1817)
1937	*Asellia tridens pallida*	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)

Lavocat

1961	*Afropterus*	*Megaderma* E. Geoffroy St.-Hilaire, 1810
1961	*Afropterus gigas*	*Megaderma gigas* (Lavocat, 1961)
1961	*Afropterus gigas*	*Megaderma gaillardi* (Trouessart, 1898)
1961	*Asellia vetus*	*Hipposideros vetus* (Lavocat, 1961)
1961	*Rhinolophus ferrumequinum mellali*	*Rhinolophus mellali* Lavocat, 1961

Leach

1816	*Macrotus*	*Plecotus* E. Geoffroy St.-Hilaire, 1818
1816	*Phyllorhina*	*Rhinolophus* Lacépède, 1799
1821	*Scotophilus*	*Scotophilus* Leach, 1821
1825	*Vespertilio Pygmæus*	*Pipistrellus pygmaeus* (Leach, 1825)

Leconte

1857	*Vespertilio pusillus*	*Neoromicia "incertae-sedis"*

Legendre

1984	*Cheiromelinae*	*Molossinae* Gervais, 1856
1984	*Rhizomops*	*Tadarida* Rafinesque, 1814
1984	*Tadarinae*	*Molossinae* Gervais, 1856

Lesson

1827	*Rhinolophina*	*RHINOLOPHIDAE* Gray, 1825
1842	*Mops*	*Mops (Mops)* Lesson, 1842
1842	*Mops*	*Mops* Lesson, 1842

Lichtenstein

1823	*Pteropus collaris*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1823	*Rhinolophus capensis*	*Rhinolophus capensis* Lichtenstein, 1823

Loche

1867	*Rhinolophus algirus*	*Rhinolophus euryale* Blasius, 1853

Lönnberg

1908	*Rousettus sjöstedti*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)

Lönnberg and Gyldenstolpe

1925	*Nycteris proxima*	*Nycteris grandis* Peters, 1865

Lydekker

1888	*Necromanter*	*Necromantis* Weithofer, 1887
1891	*Hipposideridae*	*HIPPOSIDERIDAE* Lydekker, 1891
1891	*Hipposiderinae*	*HIPPOSIDERIDAE* Lydekker, 1891
1891	*Trygenycteris*	*Megaloglossus* Pagenstecher, 1885

Macalister

9999	*Noctulina*	*Nyctalus* Bowdich, 1825

Martin

1838	*Rhinolophus landeri*	*Rhinolophus landeri* Martin, 1838

Mason

1907	*Pteropus mascarinus*	*Pteropus rodricensis* Dobson, 1878

Matschie

1894	*Scotonycteris*	*Scotonycteris* Matschie, 1894
1894	*Scotonycteris zenkeri*	*Scotonycteris zenkeri* Matschie, 1894
1897	*Nyctinomus martiensseni*	*Otomops martiensseni martiensseni* (Matschie, 1897)
1897	*Nyctinomus martiensseni*	*Otomops martiensseni* (Matschie, 1897)
1899	*[Epomophorus (]Nanonycteris[)]*	*Nanonycteris* Matschie, 1899
1899	*[Xantharpyia (]Myonycteris[)]*	*Myonycteris* Matschie, 1899
1899	*Ep[omophorus (Epomophorus)] büttikoferi*	*Epomops buettikoferi* (Matschie, 1899)
1899	*Ep[omophorus (Epomophorus)] doriae*	*Epomophorus labiatus* (Temminck, 1837)
1899	*Ep[omophorus (Epomophorus)] neumanni*	*Epomophorus wahlbergi* (Sundevall, 1846)
1899	*Ep[omophorus (Epomophorus)] stuhlmanni*	*Epomophorus wahlbergi* (Sundevall, 1846)
1899	*Ep[omophorus (Epomophorus)] zechi*	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1899	*Ep[omophorus (Epomophorus)] zenkeri*	*Epomophorus wahlbergi* (Sundevall, 1846)
1899	*Hypsignathus haldemani*	*Hypsignathus monstrosus* H. Allen, 1862
1899	*Micropteropus*	*Micropteropus* Matschie, 1899
1899	*Mynonycteris*	*Rousettus* Gray, 1821
1899	*Sericonycteris*	*Pteropus* Erxleben, 1777
1899	*Vespertilio venustus*	*Myotis welwitschii* (Gray, 1866)
1901	*Euryalus*	*Rhinolophus* Lacépède, 1799
1901	*Rhinolophus mehelyi*	*Rhinolophus mehelyi* Matschie, 1901
1909	*Pteropus (Spectrum) voeltzkowi*	*Pteropus voeltzkowi* Matschie, 1909

Menu

1987	*Attalepharca*	*Pipistrellus* Kaup, 1829
1987	*Nycterikaupius*	*Neoromicia* Roberts, 1926
1987	*Nycterikaupius*	*Pipistrellus* Kaup, 1829

Merriam

1895	*Pteropus pteropus*	*Pteropus niger* (Kerr, 1792)

Michahelles

1839	*Vespertilio pachygnathus*	*Nyctalus leisleri* (Kuhl, 1817)

Miller

1900	*Pipistrellus minusculus*	*Neoromicia nana* (Peters, 1852)
1902	*Nyctinomus pusillus*	*Chaerephon pusillus* (Miller, 1902)
1905	*Lavia rex*	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
1906	*Pizonyx*	*Myotis* Kaup, 1829
1906	*Rhinopterus*	*Eptesicus* Rafinesque, 1820
1907	*Diclidurinae*	*EMBALLONURIDAE* Gervais, 1855
1907	*Kerivoulinae*	*Kerivoulinae* Miller, 1907
1907	*Rhinopomidae*	*RHINOPOMATIDAE* Dobson, 1872
1910	*Petaliidæ*	*NYCTERIDAE* Van der Hoeven, 1855

A. Milne-Edwards and A. Grandidier

1878	*Myzopoda*	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
1878	*Myzopoda aurita*	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878

A. Milne-Edwards

1877	*Pteropus seychellensis*	*Pteropus seychellensis* A. Milne-Edwards, 1877
1881	*Scotophilus robustus*	*Scotophilus robustus* A. Milne-Edwards, 1881
1881	*Triænops Humbloti*	*Triaenops menamena* Goodman and Ranivo, 2009
1881	*Triænops rufus*	*Triaenops menamena* Goodman and Ranivo, 2009
1881	*Vesperus Humbloti*	*Neoromicia humbloti* (A. Milne-Edwards, 1881)

Mina-Palumbo

1868	*V[espertilio noctula] var. sicula*	*Nyctalus lasiopterus* (Schreber, 1780)

Mishra, Rout and Panda

2011	*Pterocarpus*	*Pteropus* Erxleben, 1777

Monadjem, Goodman, Stanley and Appleton

2013	*Miniopterus mossambicus*	*Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013

Monadjem, Richards, Taylor and Stoffberg

2013	*Neoromicia roseveari*	*Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013

Monard

1933	*Mimetillus berneri*	*Mimetillus thomasi* Hinton, 1920
1933	*Nyctinomus spillmanni*	*Chaerephon nigeriae spillmanni* (Monard, 1933)
1933	*Pipistrellus leucomelas*	*Pipistrellus rueppellii vernayi* Roberts, 1932
1935	*Laephotis angolensis*	*Laephotis angolensis* Monard, 1935
1939	*Coleura kummeri*	*Coleura afra* (Peters, 1852)
1939	*Hipposideros braima*	*Hipposideros tephrus* (Cabrera, 1906)
1939	*Hipposideros gigas viegasi*	*Macronycteris gigas* (Wagner, 1845)
1939	*Mops osborni occidentalis*	*Mops (Mops) condylurus* (A. Smith, 1833)
1939	*Mops osborni occidentalis f. fulva*	*Mops (Mops) condylurus* (A. Smith, 1833)
1939	*Nycteris æthiopica guineensis*	*Nycteris macrotis* Dobson, 1876
1939	*Nycteris æthiopica guineensis f. aurantiaca*	*Nycteris macrotis* Dobson, 1876

Monticelli

1885	*Taphozous perforatus var. assabensis*	*Taphozous nudiventris* Cretzschmar, 1830

Müller

1858	*Nannugo Kolenatii*	*Pipistrellus "incertae-sedis"*

A. Murray

1862	*Sphyrocephalus*	*Hypsignathus* H. Allen, 1862
1862	*Sphyrocephalus labrosus*	*Hypsignathus monstrosus* H. Allen, 1862
1862	*Zygænocephalus*	*Hypsignathus* H. Allen, 1862

Nesi, Kadjo and Hassanin

2012	*Megaloglossus azagnyi*	*Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012

Nicoll

1908	*Pteropus comorensis*	*Pteropus seychellensis* A. Milne-Edwards, 1877

Noack

1887	*Phyllorhina commersonii var. marungensis*	*Macronycteris vittatus* (Peters, 1852)
1887	*Scotophilus minimus*	*Nycticeinops schlieffenii* (Peters, 1859)
1889	*Chalinolobus congicus*	*Glauconycteris argentata* (Dobson, 1875)
1889	*Vesperugo pagenstecheri*	*Neoromicia nana* (Peters, 1852)
1889	*Vesperus damarensis*	*Neoromicia capensis* (A. Smith, 1829)
1889	*Vesperus pusillus*	*Neoromicia nana* (Peters, 1852)
1893	*Phyllorhina rubra*	*Hipposideros ruber* (Noack, 1893)

Ogilby

1835	*Pteropus Gambianus*	*Epomophorus gambianus* (Ogilby, 1835)
1835	*Pteropus Gambianus*	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1835	*Pteropus macrocephalus*	*Epomophorus gambianus gambianus* (Ogilby, 1835)

Oken

1816	*Myopterus senegalensis*	*Myopterus daubentonii* Desmarest, 1820
1816	*Pteropus madagascariensis*	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1816	*Rhinopoma brevicaudatum*	*Rhinopoma cystops* Thomas, 1903
1838	*Pteropus phæops*	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803

Pagenstecher

1885	*Megaloglossus*	*Megaloglossus* Pagenstecher, 1885
1885	*Megaloglossus woermanni*	*Megaloglossus woermanni* Pagenstecher, 1885

Palmer

1903	*Necronycteris*	*Necromantis* Weithofer, 1887

Peters

1852	*Cynonycteris*	*Rousettus* Gray, 1821
1852	*Dysopes brachypterus*	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
1852	*Dysopes dubius*	*Chaerephon pumilus* (Cretzschmar, 1826)
1852	*Dysopes limbatus*	*Chaerephon pumilus* (Cretzschmar, 1826)
1852	*Emballonura afra*	*Coleura afra* (Peters, 1852)
1852	*Epomophorus crypturus*	*Epomophorus crypturus* Peters, 1852
1852	*Nycteris fuliginosa*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1852	*Nycteris villosa*	*Nycteris hispida* (Schreber, 1774)
1852	*Nycticejus planirostris*	*Scotophilus dinganii* (A. Smith, 1833)
1852	*Nycticejus viridis*	*Scotophilus viridis* (Peters, 1852)
1852	*Phyllorhina caffra*	*Hipposideros caffer* (Sundevall, 1846)
1852	*Phyllorrhina gracilis*	*Hipposideros caffer* (Sundevall, 1846)
1852	*Phyllorrhina patellifera*	*Hipposideros caffer* (Sundevall, 1846)
1852	*Phyllorrhina vittata*	*Macronycteris vittatus* (Peters, 1852)
1852	*Rhinolophus lobatus*	*Rhinolophus lobatus* Peters, 1852
1852	*Vespertilio nanus*	*Neoromicia nana* (Peters, 1852)
1859	*Nycticejus Schlieffenii*	*Nycticeinops schlieffenii* (Peters, 1859)
1859	*Otonycteris*	*Otonycteris* Peters, 1859
1859	*Otonycteris Hemprichii*	*Otonycteris hemprichii* Peters, 1859
1859	*Rhinopoma Lepsianum*	*Rhinopoma microphyllum* (Brünnich, 1782)
1862	*Pterocyon*	*Eidolon* Rafinesque, 1815
1862	*Pterocyon paleaceus*	*Eidolon helvum helvum* (Kerr, 1792)
1865	*Nyctinomus (Mormopterus) jugularis*	*Mormopterus jugularis* (Peters, 1865)
1865	*Brachyura*	*EMBALLONURIDAE* Gervais, 1855
1865	*Megadermata*	*MEGADERMATIDAE* H. Allen, 1864
1865	*Molossi*	*MOLOSSIDAE* Gervais, 1856
1865	*Mormopterus*	*Mormopterus* Peters, 1865
1865	*Nycteris grandis*	*Nycteris grandis* Peters, 1865
1865	*Nyctophilinae*	*Vespertilioninae* Gray, 1821
1865	*Rhinolophi*	*RHINOLOPHIDAE* Gray, 1825
1865	*Vespertiliones*	*Vespertilioninae* Gray, 1821
1867	*Cœloephyllus*	*Rhinolophus* Lacépède, 1799
1867	*Colëura*	*Coleura* Peters, 1867
1867	*Miniopterus minor*	*Miniopterus minor* Peters, 1867
1867	*Rhinolophus blasii*	*Rhinolophus blasii* Peters, 1867
1867	*Vespertilio (Pternopterus)*	*Myotis* Kaup, 1829
1868	*Alobus*	*Pipistrellus* Kaup, 1829
1868	*Epomophorus pusillus*	*Micropteropus pusillus* (Peters, 1868)
1868	*Rhinolophus Deckenii*	*Rhinolophus deckenii* Peters, 1868
1868	*Vesperus (Hesperoptenus) kraussii*	*Glauconycteris poensis* (Gray, 1842)
1868	*Coleura seychellensis*	*Coleura seychellensis* Peters, 1868
1869	*Rhinolophus æthiops*	*Rhinolophus fumigatus* Rüppell, 1842
1869	*Vesperus Bottae*	*Eptesicus bottae* (Peters, 1869)
1870	*Nyctinomus angolensis*	*Mops (Mops) condylurus* (A. Smith, 1833)
1870	*Vespertilio Bocagii*	*Myotis bocagii* (Peters, 1870)
1870	*Vespertilio Bocagii*	*Myotis bocagii bocagii* (Peters, 1870)
1870	*Vesperugo pusillulus*	*Neoromicia nana* (Peters, 1852)
1871	*Cyclorhina*	*Hipposideros* Gray, 1831
1871	*Doryrhina*	*Doryrhina* Peters, 1871
1871	*Nycteris angolensis*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1871	*Nycteris damarensis*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1871	*Ptychorhina*	*Hipposideros* Gray, 1831
1871	*Sideroderma*	*Hipposideros* Gray, 1831
1871	*Sybdesmotus*	*Hipposideros* Gray, 1831
1871	*Syndesmotis*	*Hipposideros* Gray, 1831

1871	*Thyreorhina*	*Hipposideros* Gray, 1831
1872	*Lyroderma*	*Megaderma* E. Geoffroy St.-Hilaire, 1810
1872	*Megaderma cor*	*Cardioderma cor* (Peters, 1872)
1872	*Vesperus tenuipinnis*	*Neoromicia tenuipinnis* (Peters, 1872)
1873	*Cardioderma*	*Cardioderma* Peters, 1873
1874	*Emballonura atrata*	*Paremballonura atrata* (Peters, 1874)
1876	*Epomophorus macrocephalus*	*Hypsignathus monstrosus* H. Allen, 1862
1877	*Triænops afer*	*Triaenops afer* Peters, 1877
1878	*Mormopterus setiger*	*Platymops setiger setiger* (Peters, 1878)
1878	*Mormopterus setiger*	*Platymops setiger* (Peters, 1878)
1878	*Rhinolophus Hildebrandtii*	*Rhinolophus hildebrandtii* Peters, 1878

Peterson

1982	*Glauconycteris kenyacola*	*Glauconycteris kenyacola* Peterson, 1982

Peterson and Smith

1973	*Glauconycteris gleni*	*Glauconycteris gleni* Peterson and Smith, 1973

Peterson, Eger and Mitchell

1995	*Eptesicus somalicus malagasyensis*	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
1995	*Miniopterus gleni*	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995

Pohle

1943	*Scotonycteris ophiodon*	*Casinycteris ophiodon* (Pohle, 1943)

Pousargues

1898	*Rhinolophus Maclaudi*	*Rhinolophus maclaudi* Pousargues, 1898

Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste

2014	*Miniopterus maghrebensis*	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014

Qumsiyeh

1985	*rueppellii*	*Tadarida teniotis* (Rafinesque, 1814)

Rachl

1983	*Tadarida engesseri*	*Tadarida engesseri* Rachl, 1983

Rafinesque

1814	*Cephalotes teniotis*	*Tadarida teniotis* (Rafinesque, 1814)
1814	*Tadarida*	*Tadarida* Rafinesque, 1814
1815	*Eidolon*	*Eidolon* Rafinesque, 1815
1815	*Vespertilia*	*VESPERTILIONIDAE* Gray, 1821
1820	*Eptesicus*	*Eptesicus* Rafinesque, 1820

Ralph, Richards, Taylor, Napier and Lamb

2015	*Otomops harrisoni*	*Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015

Ravel

2016	*?Necromantis fragmentum*	*Necromantis fragmentum* (Ravel, 2016)
2016	*?Palaeophyllophora tunisiensis*	*Palaeophyllophora tunisiensis* (Ravel, 2016)
2016	*?Vespertiliavus aenigma*	*Vespertiliavus aenigma* (Ravel, 2016)
2016	*Chambinycteris*	*Chambinycteris* Ravel, 2016
2016	*Chambinycteris pusilli*	*Chambinycteris pusilli* Ravel, 2016
2016	*Drakonycteris*	*Drakonycteris* Ravel, 2016
2016	*Drakonycteris glibzegdouensis*	*Drakonycteris glibzegdouensis* Ravel, 2016
2016	*Hipposideros (Pseudorhinolophus) africanum*	*Hipposideros africanum* Ravel, 2016

2016	*Khoufechia*	*Khoufechia* Ravel, 2016
2016	*Khoufechia gunnelli*	*Khoufechia gunnelli* Ravel, 2016
2016	*Pseudovespertiliavus*	*Pseudovespertiliavus* Ravel, 2016
2016	*Pseudovespertiliavus parva*	*Pseudovespertiliavus parva* Ravel, 2016
2016	*Vespertliavus kasserinensis*	*Vespertiliavus kasserinensis* (Ravel, 2016)

Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud

2012	*Witwatia sigei*	*Witwatia sigei* Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud, 2012

Reeder, Helgen, Vodzak, Lunde and Ejotre

2013	*Niumbaha*	*Glauconycteris* Dobson, 1875

Revilliod

1917	*Palaeophyllophora*	*Palaeophyllophora* Revilliod, 1917

Robbins

1983	*Scotophilus nucella*	*Scotophilus nucella* Robbins, 1983

Roberts

1913	*Pipistrellus nanus australis*	*Neoromicia nana* (Peters, 1852)
1917	*Clœotis percivali australis*	*Cloeotis percivali* Thomas, 1901
1917	*Platymops*	*Sauromys* Roberts, 1917
1917	*Platymops (Sauromys)*	*Sauromys* Roberts, 1917
1917	*Platymops haagneri*	*Sauromys petrophilus haagneri* (Roberts, 1917)
1917	*Platymops petrophilus*	*Sauromys petrophilus* (Roberts, 1917)
1919	*Cistugo lesueuri*	*Cistugo lesueuri* Roberts, 1919
1919	*Eptesicus melckorum*	*Neoromicia capensis* (A. Smith, 1829)
1924	*Eptesicus zuluensis*	*Neoromicia zuluensis* (Roberts, 1924)
1924	*Kerivoula nidicola zuluensis*	*Kerivoula argentata* Tomes, 1861
1924	*Rhinolophus darlingi barbertonensis*	*Rhinolophus darlingi* K. Andersen, 1905
1926	*Chaerophon pumilus elphicki*	*Chaerephon pumilus* (Cretzschmar, 1826)
1926	*Eptesicops*	*Pipistrellus* Kaup, 1829
1926	*Neoromicia*	*Neoromicia* Roberts, 1926
1932	*Neoromicia vansoni*	*Neoromicia zuluensis* (Roberts, 1924)
1932	*Choerephon (Lophomops) langi*	*Chaerephon pumilus* (Cretzschmar, 1826)
1932	*Eptesicus capensis nkatiensis*	*Neoromicia capensis* (A. Smith, 1829)
1932	*Pipistrellus vernayi*	*Pipistrellus rueppellii vernayi* Roberts, 1932
1932	*Scoteinus schlieffenii fitzsimonsi*	*Nycticeinops schlieffenii* (Peters, 1859)
1946	*Eptesicus hottentotus bensoni*	*Eptesicus hottentotus* (A. Smith, 1833)
1946	*Nycteris woodi sabiensis*	*Nycteris woodi* K. Andersen, 1914
1946	*Nyctinomus mastersoni*	*Tadarida fulminans* (Thomas, 1903)
1946	*Nyctinomus rhodesiae*	*Chaerephon ansorgei* (Thomas, 1913)
1946	*Platymops petrophilus erongensis*	*Sauromys petrophilus erongensis* (Roberts, 1946)
1946	*Platymops petrophilus fitzsimonsi*	*Sauromys petrophilus umbratus* (Shortridge & Carter, 1938)
1946	*Rhinolophus darlingi damarensis*	*Rhinolophus damarensis* Roberts, 1946
1946	*Rhinolophus swinnyi rhodesiae*	*Rhinolophus rhodesiae* Roberts, 1946
1946	*Scotophilus nigrita pondoensis*	*Scotophilus dinganii* (A. Smith, 1833)
1946	*Vansonia*	*Pipistrellus* Kaup, 1829
1948	*Pipistrellus (Romicia) kuhlii broomi*	*Pipistrellus hesperidus broomi* Roberts, 1948

Robin

1881	*Nycteris Revoilii*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818

Rüppell

1842	*Nicticejus*	*Scotophilus* Leach, 1821
1842	*Pteropus Schoënsis*	*Epomophorus labiatus* (Temminck, 1837)
1842	*Rhinolophus fumigatus*	*Rhinolophus fumigatus* Rüppell, 1842
1842	*Vespertilio Pipistrellus varietas africana*	*Neoromicia nana* (Peters, 1852)

Samonds

2007	*Hipposideros besaoka*	*Hipposideros besaoka* Samonds, 2007
2007	*Triaenops goodmani*	*Triaenops goodmani* Samonds, 2007

Sanborn

1936	*Miniopterus africanus*	*Miniopterus africanus* Sanborn, 1936
1936	*Miniopterus rufus*	*Miniopterus inflatus rufus* Sanborn, 1936
1936	*Mops angolensis wonderi*	*Mops (Mops) condylurus* (A. Smith, 1833)
1936	*Rhinolophus alcyone alticolus*	*Rhinolophus simulator* K. Andersen, 1904
1939	*Rhinolophus aethiops diversus*	*Rhinolophus fumigatus* Rüppell, 1842
1950	*Micropteropus grandis*	*Epomophorus grandis* (Sanborn, 1950)

Sanderson

1937	*Hipposideros sandersoni*	*Hipposideros curtus* G.M. Allen, 1921

Satunin

1909	*Otonycteris cinereus*	*Otonycteris hemprichii* Peters, 1859

Savi

1825	*Dinops*	*Tadarida* Rafinesque, 1814
1825	*Dinops Cestonii*	*Tadarida teniotis* (Rafinesque, 1814)

Scharff

1900	*Mormopterus Whitleyi*	*Myopterus whitleyi* (Scharff, 1900)

Schinz

1840	*Dysopes Savii*	*Tadarida teniotis* (Rafinesque, 1814)

Schlegel

1867	*Pteropus dupréanus*	*Eidolon dupreanum* (Schegel, 1867)

Schlitter and Aggundey

1986	*Eptesicus hottentotus portavernus*	*Eptesicus hottentotus* (A. Smith, 1833)

Schlosser

1887	*Vespertiliavus*	*Vespertiliavus* Schlosser, 1887
1910	*Vampyravus*	*Vampyravus* Schlosser, 1910
1910	*Vampyravus orientalis*	*Vampyravus orientalis* Schlosser, 1910
1911	*Provampyrus*	*Vampyravus* Schlosser, 1910
1911	*Provampyrus orientalis*	*Vampyravus orientalis* Schlosser, 1910

Schreber

1774	*Vespertilio barbastellus*	*Barbastella barbastellus* (Schreber, 1774)
1774	*Vespertilio ferrum-equinum*	*Rhinolophus ferrumequinum* (Schreber, 1774)
1774	*Vespertilio hispidus*	*Nycteris hispida* (Schreber, 1774)
1774	*Vespertilio Nigrita*	*Scotophilus nigrita* (Schreber, 1774)
1774	*Vespertilio pipistrellus*	*Pipistrellus pipistrellus* (Schreber, 1774)
1780	*Vespertilio lasiopterus*	*Nyctalus lasiopterus* (Schreber, 1780)

Schulze

1897	*midas*	*Tadarida teniotis* (Rafinesque, 1814)

Seabra

1898	*Phyllorhina angolensis*	*Hipposideros caffer* (Sundevall, 1846)
1898	*Rhinolophus angolensis*	*Rhinolophus lobatus* Peters, 1852
1900	*Epomophorus anchietæ*	*Plerotes anchietae* (Seabra, 1900)
1900	*Nyctinomus Anchietæ*	*Tadarida aegyptiaca bocagei* (Seabra, 1900)

1900	*Nyctinomus Bocagei*	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
1900	*Nyctinomus brunneus*	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
1900	*Vesperugo Anchieta*	*Hypsugo anchietae* (Seabra, 1900)
1900	*Vesperugo (Vesperus) flavescens*	*Neoromicia flavescens* (Seabra, 1900)

Senna

1905	*Rhinolophus andreinii*	*Rhinolophus blasii* Peters, 1867
1914	*Rhinolophus bembanicus*	*Rhinolophus simulator* K. Andersen, 1904

Serra-Cobo, López-Roig, Bayer, Amengual and Guasch

2008	*Pteropoidea*	*PTEROPODOIDEA* Gray, 1821

Setzer

1971	*Laephotis botswanae*	*Laephotis botswanae* Setzer, 1971
1971	*Laephotis namibensis*	*Laephotis namibensis* Setzer, 1971

Shortridge

1942	*Eptesicus megalurus pallidior*	*Eptesicus hottentotus* (A. Smith, 1833)

Shortridge and Carter

1938	*Platymops haagneri umbratus*	*Sauromys petrophilus umbratus* (Shortridge & Carter, 1938)
1938	*Scotophilus angusticeps*	*Eptesicus hottentotus* (A. Smith, 1833)

Sigé

1968	*Brachipposideros*	*Brachipposideros* Sigé, 1968
1976	*Megaderma jaegeri*	*Megaderma jaegeri* Sigé, 1976
1985	*Philisidae*	*PHILISIDAE* Sigé, 1985
1985	*Philisidae*	*Scotophilinae* Van Cakenberghe and Seamark, 2008
1985	*Philisis*	*Philisis* Sigé, 1985
1985	*Philisis sphingis*	*Philisis sphingis* Sigé, 1985
1991	*Dizzya*	*Dizzya* Sigé, 1991
1991	*Dizzya exsultans*	*Dizzya exsultans* Sigé, 1991
2011	*Necromantidae*	*NECROMANTIDAE* Sigé, 2011

Sigé, Thomas, Sen, Gheerbrant, Roger and Al-Sulaimani

1994	*Dhofarella*	*Dhofarella* Sigé, Thomas, Sen, Gheerbrant, Roger, and Al-Sulaimani, 1985
1994	*Dhofarella thaleri*	*Dhofarella thaleri* Sigé et al., 1994

Simmons, Seiffert and Gunnell

2016	*Aegyptonycteridae*	*AEGYPTONYCTERIDAE* Simmons, Seiffert and Gunnell, 2016
2016	*Aegyptonycteris*	*Aegyptonycteris* Simmons, Seiffert and Gunnell, 2016
2016	*Aegyptonycteris knightae*	*Aegyptonycteris knightae* Simmons, Seiffert and Gunnell, 2016

Simpson

1967	*Propotto*	*Propotto* Simpson, 1967
1967	*Propotto leakeyi*	*Propotto leakeyi* Simpson, 1967

A. Smith

1829	*Nycteris affinis*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1829	*Nycteris Capensis*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1829	*Pteropus Leachii*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1829	*Rhinolophus Geoffroyii*	*Rhinolophus clivosus* Cretzschmar, 1828
1829	*Vespertilio Capensis*	*Neoromicia capensis* (A. Smith, 1829)
1833	*Nyctinomus Condylurus*	*Mops (Mops) condylurus* (A. Smith, 1833)
1833	*Nyctinomus dubius*	*Mormopterus acetabulosus natalensis* (A. Smith, 1847)
1833	*Vespertilio Dinganii*	*Scotophilus dinganii* (A. Smith, 1833)
1833	*Vespertilio Hottentota*	*Eptesicus hottentotus* (A. Smith, 1833)
1833	*Vespertilio Natalensis*	*Miniopterus natalensis* (A. Smith, 1833)

1834	*Vespertilio goudoti*	*Myotis goudoti* (A. Smith, 1834)
1847	*Dysopes natalensis*	*Mormopterus acetabulosus natalensis* (A. Smith, 1847)
1847	*Vespertilio lanosus*	*Kerivoula lanosa* (A. Smith, 1847)
1849	*Vespertilio minutus*	*Eptesicus hottentotus* (A. Smith, 1833)

H. Smith

1842	*Harpyidae*	*PTEROPODIDAE* Gray, 1821

Springer, Teeling, Madsen, Stanhope, and De Jong

2001	*YANGOCHIROPTERA*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2001	*YINPTEROCHIROPTERA*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2001	*YINPTEROCHIROPTERA*	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

Stanley

2008	*Mops bakarii*	*Mops (Xiphonycteris) bakarii* Stanley, 2009

Stresemann

1954	*Vespertilio brevicauda*	*Rhinopoma cystops* Thomas, 1903
1954	*Vespertilio ferox*	*Rhinopoma cystops* Thomas, 1903

Sundevall

1843	*Dysopes midas*	*Mops (Mops) midas* (Sundevall, 1843)
1843	*Dysopes midas*	*Mops (Mops) midas midas* (Sundevall, 1843)
1846	*Pteropus Wahlbergi*	*Epomophorus wahlbergi* (Sundevall, 1846)
1846	*Rhinolophus caffer*	*Hipposideros caffer* (Sundevall, 1846)
1846	*Vespertilio scotinus*	*Miniopterus natalensis* (A. Smith, 1833)
1846	*Vespertilio subtilis*	*Pipistrellus hesperidus subtilis* (Sundevall, 1846)
1860	*Rhinolophus auritus*	*Rhinolophus capensis* Lichtenstein, 1823

Swainson

1835	*Pteropus megacephalus*	*Epomophorus gambianus gambianus* (Ogilby, 1835)

Tate

1941	*[Triaenops] furinea*	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
1941	*Coelopsinae*	*HIPPOSIDERIDAE* Lydekker, 1891
1941	*Myotini*	*VESPERTILIONIDAE* Gray, 1821
1942	*Myotinae*	*Myotinae* Tate, 1942

Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards

2018	*Rhinolophus gorongosae*	*Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018

Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill

2012	*Rhinolophus cohenae*	*Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
2012	*Rhinolophus mabuensis*	*Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
2012	*Rhinolophus mossambicus*	*Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
2012	*Rhinolophus smithersi*	*Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

Teeling, Springer, Madsen, Bates, O'Brien, and Murphy

2005	*Emballonuroidea*	*NYCTEROIDEA* Van der Hoeven, 1855

Temminck

1825	*Pteropus geoffroyi*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1825	*Pteropus phaiops*	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1827	*Dysopes geoffroyi*	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
1827	*Dysopes rüpelii*	*Tadarida teniotis* (Rafinesque, 1814)
1832	*Pteropus hottentottus*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1832	*Vespertilio epichrysus*	*Scotophilus dinganii* (A. Smith, 1833)
1832	*Vespertilio platycephalus*	*Pipistrellus hesperidus* (Temminck, 1840)
1832	*Vespertilio tricolor*	*Myotis tricolor* (Temminck, 1832)
1835	*Taphozous leucopterus*	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
1837	*Pteropus labiatus*	*Epomophorus labiatus* (Temminck, 1837)
1837	*Pteropus vulgaris*	*Pteropus subniger* (Kerr, 1792)
1838	*Saccolaimus*	*Saccolaimus* Temminck, 1838
1840	*Vespertilio d'asythrix*	*Miniopterus natalensis* (A. Smith, 1833)
1840	*Vespertilio hesperida*	*Pipistrellus hesperidus* (Temminck, 1840)
1840	*Vespertilio hesperida*	*Pipistrellus hesperidus hesperidus* (Temminck, 1840)
1840	*Vespertilio minuta*	*Neoromicia capensis* (A. Smith, 1829)
1835-1841	*Vespertilio isabellinus*	*Eptesicus isabellinus* (Temminck, 1840)
1835-1841	*Vespertilio megalurus*	*Eptesicus hottentotus* (A. Smith, 1833)
1853	*Pachysoma*	*Epomophorus* Bennett, 1836
1853	*Phyllorrhina cyclops*	*Doryrhina cyclops* (Temminck, 1853)
1853	*Phyllorrhina fuliginosa*	*Hipposideros fuliginosus* (Temminck, 1853)
1853	*Rhinolophus alcyone*	*Rhinolophus alcyone* Temminck, 1853
1853	*Taphozous peli*	*Saccolaimus peli* (Temminck, 1853)

Thomas

1880	*Kerivoula Smithii*	*Kerivoula smithii* Thomas, 1880
1880	*Vesperugo (Vesperus) brunneus*	*Neoromicia brunnea* (Thomas, 1880)
1889	*Vesperugo (Vesperus) Rendalli*	*Neoromicia rendalli* (Thomas, 1889)
1890	*Scotophilus albofuscus*	*Scotoecus albofuscus* (Thomas, 1890)
1891	*Nyctinomus lobatus*	*Tadarida lobata* (Thomas, 1891)
1891	*Vesperugo (Vesperus) Moloneyi*	*Mimetillus moloneyi* (Thomas, 1891)
1891	*N(yctinomus) taeniotis*	*Tadarida ventralis* (Heuglin, 1861)
1901	*Scotœcus*	*Scotoecus* Thomas, 1901
1901	*Scotœcus Hindei*	*Scotoecus hindei* Thomas, 1901
1901	*Kerivoula harrisoni*	*Kerivoula lanosa* (A. Smith, 1847)
1901	*Læphotis*	*Laephotis* Thomas, 1901
1901	*Læphotis Wintoni*	*Laephotis wintoni* Thomas, 1901
1901	*Clœotis*	*Cloeotis* Thomas, 1901
1901	*Clœotis Percivali*	*Cloeotis percivali* Thomas, 1901
1901	*Nycteris aethiopica luteola*	*Nycteris macrotis* Dobson, 1876
1901	*Pipistrellus Kuhlii fuscatus*	*Pipistrellus hesperidus hesperidus* (Temminck, 1840)
1901	*Pterygistes azoreum*	*Nyctalus azoreum* (Thomas, 1901)
1901	*Vespertilio minutus somalicus*	*Neoromicia somalica* (Thomas, 1901)
1901	*Vespertilio platyops*	*Eptesicus platyops* (Thomas, 1901)
1901	*Glauconycteris beatrix*	*Glauconycteris beatrix* Thomas, 1901
1902	*Pipistrellus deserti*	*Pipistrellus kuhlii* (Kuhl, 1817)
1903	*Rhinopoma cystops*	*Rhinopoma cystops* Thomas, 1903
1903	*Nyctinomus cisturus*	*Chaerephon bemmeleni* (Jentink, 1879)
1903	*Nyctinomus demonstrator*	*Mops (Mops) demonstrator* (Thomas, 1903)
1903	*Nyctinomus fulminans*	*Tadarida fulminans* (Thomas, 1903)
1903	*Miniopterus inflatus*	*Miniopterus inflatus* Thomas, 1903
1903	*Miniopterus inflatus*	*Miniopterus inflatus inflatus* Thomas, 1903
1903	*Nycteris arge*	*Nycteris arge* Thomas, 1903
1903	*Nyctinomus thersites*	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
1904	*Myotis Hildegardeæ*	*Myotis bocagii bocagii* (Peters, 1870)
1904	*Nyctinomus hindei*	*Chaerephon pumilus* (Cretzschmar, 1826)
1904	*Pipistrellus crassulus*	*Hypsugo crassulus* (Thomas, 1904)
1904	*Scotophilus nigrita colias*	*Scotophilus dinganii* (A. Smith, 1833)
1904	*Scotophilus nigrita nux*	*Scotophilus nux* Thomas, 1904
1904	*Scotonycteris bedfordi*	*Scotonycteris zenkeri* Matschie, 1894
1904	*Hipposideros Commersoni mostellum*	*Macronycteris vittatus* (Peters, 1852)
1904	*Rhinolophus Denti*	*Rhinolophus denti* Thomas, 1904
1904	*Myotis Bocagei cupreolus*	*Myotis bocagii cupreolus* Thomas, 1904
1904	*Pipistrellus ariel*	*Hypsugo ariel* (Thomas, 1904)
1904	*Rhinolophus Andersoni*	*Rhinolophus clivosus* Cretzschmar, 1828
1904	*Rhinolophus Dobsoni*	*Rhinolophus landeri* Martin, 1838
1904	*Pipistrellus nanulus*	*Pipistrellus nanulus* Thomas, 1904
1904	*Myzopodidae*	*MYZOPODIDAE* Thomas, 1904
1904	*Mimetillus*	*Mimetillus* Thomas, 1904
1905	*Glauconycteris papilio*	*Glauconycteris variegata* (Tomes, 1861)

1905	*Eomops*	*Myopterus* E. Geoffroy St.-Hilaire, 1818
1906	*Miniopterus Majori*	*Miniopterus majori* Thomas, 1906
1906	*Miniopterus manavi*	*Miniopterus manavi* Thomas, 1906
1906	*Scotophilus damarensis*	*Scotophilus leucogaster* (Cretzschmar, 1826)
1906	*Scotophilus nigrita herero*	*Scotophilus dinganii* (A. Smith, 1833)
1906	*Platymops*	*Platymops* Thomas, 1906
1906	*Platymops Macmillani*	*Platymops setiger macmillani* Thomas, 1906
1906	*Rousettus lanosus*	*Stenonycteris lanosus* (Thomas, 1906)
1906	*Kerivoula muscilla*	*Kerivoula lanosa* (A. Smith, 1847)
1908	*Nyctinomus leonis*	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
1908	*Rousettus smithii*	*Myonycteris angolensis smithii* (Thomas, 1908)
1909	*Taphozous hildegardeæ*	*Taphozous hildegardeae* Thomas, 1909
1909	*Rousettus kempi*	*Stenonycteris lanosus* (Thomas, 1906)
1909	*Scotœcus albigula*	*Scotoecus albigula* Thomas, 1909
1910	*Rhinolophus brockmani*	*Rhinolophus blasii* Peters, 1867
1910	*Casinycteris*	*Casinycteris* Thomas, 1910
1910	*Casinycteris argynnis*	*Casinycteris argynnis* Thomas, 1910
1911	*Pipistrellus culex*	*Neoromicia nana* (Peters, 1852)
1912	*Kerivoula cuprosa*	*Kerivoula cuprosa* Thomas, 1912
1912	*Cistugo*	*Cistugo* Thomas, 1912
1912	*Cistugo seabræ*	*Cistugo seabrae* Thomas, 1912
1912	*Kerivoula phalæna*	*Kerivoula phalaena* Thomas, 1912
1913	*Glauconycteris egeria*	*Glauconycteris egeria* Thomas, 1913
1913	*Chærephon nigeriæ*	*Chaerephon nigeriae nigeriae* Thomas, 1913
1913	*Chærephon nigeriæ*	*Chaerephon nigeriae* Thomas, 1913
1913	*Nyctinomus ansorgei*	*Chaerephon ansorgei* (Thomas, 1913)
1913	*Pipistrellus fuscipes*	*Pipistrellus rueppellii fuscipes* Thomas, 1913
1913	*Pipistrellus musciculus*	*Hypsugo musciculus* (Thomas, 1913)
1913	*Rhinolophus foxi*	*Rhinolophus fumigatus* Rüppell, 1842
1913	*Otomops*	*Otomops* Thomas, 1913
1915	*C[oleura] g[allarum] nilosa*	*Coleura afra* (Peters, 1852)
1915	*C[oleura] gallarum*	*Coleura afra* (Peters, 1852)
1915	*C[oleura] silhouettæ*	*Coleura seychellensis* Peters, 1868
1915	*Glauconycteris phalæna*	*Glauconycteris variegata* (Tomes, 1861)
1915	*Rhinopterus lowei*	*Eptesicus floweri* (de Winton, 1901)
1915	*Taphozous Sudani*	*Taphozous perforatus sudani* Thomas, 1915
1915	*Taphozous perforatus hædinus*	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
1915	*Scotoecus falabæ*	*Scotoecus hindei* Thomas, 1901
1915	*Myopterus albatus*	*Myopterus daubentonii* Desmarest, 1820
1917	*Scotoecus woodi*	*Scotoecus albofuscus* (Thomas, 1890)
1920	*Taphozous hamiltoni*	*Taphozous hamiltoni* Thomas, 1920
1922	*Liponycteris*	*Taphozous* E. Geoffroy St.-Hilaire, 1818
1926	*Chaerephon (Lophomops) shortridgei*	*Chaerephon chapini* J.A. Allen, 1917
1926	*Pipistrellus fouriei*	*Neoromicia nana* (Peters, 1852)
1927	*Myotis scotti*	*Myotis scotti* Thomas, 1927
1927	*Miniopterus smitianus*	*Miniopterus natalensis* (A. Smith, 1833)

Thomas and Hinton

1923	*Pipistrellus marrensis*	*Pipistrellus rusticus* (Tomes, 1861)

Thomas and Schwann

1905	*Vespertilio capensis gracilior*	*Neoromicia capensis* (A. Smith, 1829)
1905	*Vespertilio matroka*	*Neoromicia matroka* (Thomas and Schwann, 1905)
1906	*Miniopterus fraterculus*	*Miniopterus fraterculus* Thomas and Schwann, 1906

Thomas and Wroughton

1908	*Scoteinus schlieffeni albiventer*	*Nycticeinops schlieffenii* (Peters, 1859)
1908	*Scoteinus schlieffeni australis*	*Nycticeinops schlieffenii* (Peters, 1859)
1908	*Scoteinus schlieffeni bedouin*	*Nycticeinops schlieffenii* (Peters, 1859)

Thorn, Kock and Cuisin

2007	*Afropipistrellus*	*Pipistrellus* Kaup, 1829

Tomes

1858	*Vespertilio Madagascariensis*	*Myotis goudoti* (A. Smith, 1834)
1859	*Scotophilus darwini*	*Hypsugo savii* (Bonaparte, 1837)
1860	*Epomophorus franqueti*	*Epomops franqueti* (Tomes, 1860)
1861	*Kerivoula argentata*	*Kerivoula argentata* Tomes, 1861
1861	*Scotophilus rusticus*	*Pipistrellus rusticus* (Tomes, 1861)
1861	*Scotophilus variegatus*	*Glauconycteris variegata* (Tomes, 1861)

Trouessart

1897	*[Nyctinomus (Nyctinomus) pumilus] Var. Major*	*Chaerephon major* (Trouessart, 1897)
1897	*[Vesperugo (Vesperus) serotinus] Var. Gabonensis*	*Eptesicus isabellinus* (Temminck, 1840)
1898	*Miniopterae*	*MINIOPTERIDAE* Dobson, 1875
1898	*Miomegaderma gaillardi*	*Megaderma gaillardi* (Trouessart, 1898)
1904	*Epomophorus pousarguesi*	*Epomophorus gambianus pousarguesi* Trouessart, 1904
1907	*Triaenops furcula*	*Paratriaenops furculus* (Trouessart, 1907)
1910	*Rhinolophus blasiusi*	*Rhinolophus blasii* Peters, 1867

Troughton

1929	*Anamygdon*	*Myotis* Kaup, 1829
1941	*Austronomus*	*Tadarida* Rafinesque, 1814
1941	*Rhinophyllotis*	*Rhinolophus* Lacépède, 1799

True

1893	*Pteropus aldabrensis*	*Pteropus aldabrensis* True, 1893

Trujillo, Ibáñez and Juste

2002	*Barbastella barbastellus guanchae*	*Barbastella barbastellus* (Schreber, 1774)

Turni and Kock

2008	*Vesperus hösemanni*	*Neoromicia tenuipinnis* (Peters, 1872)

Van Cakenberghe and Seamark

2008	*Scotophilinae*	*Scotophilinae* Van Cakenberghe and Seamark, 2008

Van Cakenberghe, Kearney and Seamark

2007	*NOCTILIONIFORMACEI*	*NOCTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*NYCTERIFORMACEI*	*NYCTERIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*PTEROPODIFORMACEI*	*PTEROPODIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*PTEROPODIFORMI*	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*RHINOLOPHIFORMACEI*	*RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*VESPERTILIONIFORMACEI*	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*VESPERTILIONIFORMI*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

Van der Hoeven

1855	*Histiorhina*	*RHINOLOPHIDAE* Gray, 1825
1855	*Nycteridae*	*NYCTERIDAE* Van der Hoeven, 1855
1855	*Nycteroidea*	*NYCTEROIDEA* Van der Hoeven, 1855

Van Valen

1979	*PHYLLOSTOMATIA*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1979	*VESPERTILIONIA*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

Verschuren

1957	*Hipposideros beatus maximus*	*Hipposideros beatus* (K. Andersen, 1906)

Volleth, Bronner, Göpfert, Heller, von Helversen and Yong

2001	*Pipistrellus cf kuhlii*	**Pipistrellus** sp. aff. **kuhlii** Kuhl, 1817

Wagner

1840	*N[ycteris] albiventer*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1840	*N[ycteris] discolor*	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1843	*Gymnorhina*	*VESPERTILIONIDAE* Gray, 1821
1845	*Rhinolophus gigas*	*Macronycteris gigas* (Wagner, 1845)
1855	*V[espertilio] Smithii*	*Eptesicus hottentotus* (A. Smith, 1833)
1855	*Vespertilio smithii*	*Eptesicus hottentotus* (A. Smith, 1833)

Wallace

1880	*Pteropus comorensis*	*Pteropus seychellensis* A. Milne-Edwards, 1877

Waterhouse

1902	*Syndesmotus*	*Hipposideros* Gray, 1831

Weithofer

1888	*Necromantis*	*Necromantis* Weithofer, 1887

Wesselman

1984	*Coleura muthokai*	*Coleura muthokai* Wesselman, 1984
1984	*Hipposideros kaumbului*	*Hipposideros kaumbului* Wesselman, 1984
1984	*Taphozous abitus*	*Saccolaimus abitus* (Wesselman, 1984)

Wettstein

1916	*Eptesicus rectitragus*	*Neoromicia guineensis* (Bocage, 1889)
1916	*Nyctinomus (Nyctinomus) tongaënsis*	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
1916	*Scotoecus cinnamomeus*	*Nycticeinops schlieffenii* (Peters, 1859)

Wroughton

1911	*Chærephon emini*	*Mops (Mops) condylurus* (A. Smith, 1833)

Zagorodniuk

1997	*VESPERTILIFORMES*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2014	*Pteropodimorpha*	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2014	*Vespertilioniformes*	*CHIROPTERA* Blumenbach, 1779
2014	*Vespertilionimorpha*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

Zagorodniuk, Godovanets, Pokynchereda and Kyseliuk

1995	*VESPERTILIIFORMES*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

Zagorodnyuk

1998	*VESPERTILIONIFORMES*	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

Appendix 3c: Synonyms by Publication Date

In this appendix, the synonyms are sorted according to the date they were published.
If a complete date could be found, this date is given. In most cases, however, only the year of publication is known, in which case (according to the International Code of Zoological Nomenclature) the last day of the year is considered to be the date of publication (i.e. 31 December). If a month is known too, the final date of the month is entered.

In a large number of cases the publication date is taken from the (cover of the) publication, and as such the date might not be 100 % correct, since these dates tend to be earlier than the exact date the publication was published.

For names published in "*Annals and Magazine of Natural History*" and "*Journal of Natural History*" the publication dates are taken from Evenhuis (2003). For names published in the "*Proceedings of the Zoological Society of London*", the publication dates are taken from Duncan (1937). The publication dates from Schreber's "Die Säugethiere" are taken from Sherborn (1892). For E. Geoffroy St.-Hilaire's "Description de l'Egypte", the dates are taken from Sherborn (1897). For Kerr's "Animal Kingdom" see Allen (1895).

Publication date	Original Name	Current Name
31 Dec 1774	*Vespertilio barbastellus* Schreber	*Barbastella barbastellus* (Schreber, 1774)
31 Dec 1774	*Vespertilio ferrum-equinum* Schreber	*Rhinolophus ferrumequinum* (Schreber, 1774)
31 Dec 1774	*Vespertilio hispidus* Schreber	*Nycteris hispida* (Schreber, 1774)
31 Dec 1774	*Vespertilio Nigrita* Schreber	*Scotophilus nigrita* (Schreber, 1774)
31 Dec 1774	*Vespertilio pipistrellus* Schreber	*Pipistrellus pipistrellus* (Schreber, 1774)
31 Dec 1777	*Pteropus* Erxleben	*Pteropus* Erxleben, 1777
31 Dec 1779	*CHIROPTERA* Blumenbach	*CHIROPTERA* Blumenbach, 1779
31 Dec 1780	*Vespertilio lasiopterus* Schreber	*Nyctalus lasiopterus* (Schreber, 1780)
31 Dec 1782	*Vespertilio Microphyllus* Brünnich	*Rhinopoma microphyllum* (Brünnich, 1782)
28 Feb 1792	*minor* Kerr	*Rhinolophus hipposideros* (Bechstein, 1800)
28 Feb 1792	*Vespertilio vampirus niger* Kerr	*Pteropus niger* (Kerr, 1792)
28 Feb 1792	*Vespertilio vampyrus helvus* Kerr	*Eidolon helvum helvum* (Kerr, 1792)
28 Feb 1792	*Vespertilio vampyrus helvus* Kerr	*Eidolon helvum* (Kerr, 1792)
28 Feb 1792	*Vespertilio vampyrus subniger* Kerr	*Pteropus subniger* (Kerr, 1792)
31 Dec 1792	*Vespertilio ferrum-equinum major* Kerr	*Rhinolophus ferrumequinum* (Schreber, 1774)
31 Dec 1795	*Nycteris* G. Cuvier and E. Geoffroy	*Nycteris* G. Cuvier and E. Geoffroy, 1795
31 Dec 1797	*Vespertilio caninus* Blumenbach	*Pteropus niger* (Kerr, 1792)
31 Dec 1799	*Rhinolophus* Lacépède	*Rhinolophus* Lacépède, 1799
31 Dec 1799	*Spectrum* Lacépède	*Pteropus* Erxleben, 1777
31 Dec 1800	*Vespertilio hipposideros* Bechstein	*Rhinolophus hipposideros* (Bechstein, 1800)
31 Dec 1800	*Vespertilio megalotis* Bechstein	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1802	*Spectrum rubidum* Daudin	*Pteropus subniger* (Kerr, 1792)
31 Dec 1803	*major* E. Geoffroy Saint-Hilaire	*Rhinolophus ferrumequinum* (Schreber, 1774)
31 Dec 1803	*Pteropus fuscus* E. Geoffroy Saint-Hilaire	*Pteropus niger* (Kerr, 1792)
31 Dec 1803	*Pteropus ruber* E. Geoffroy Saint-Hilaire	*Pteropus subniger* (Kerr, 1792)
31 Dec 1803	*Pteropus rufus* E. Geoffroy Saint-Hilaire	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
31 Dec 1803	*Pteropus stramineus* E. Geoffroy Saint-Hilaire	*Eidolon helvum helvum* (Kerr, 1792)
31 Dec 1803	*Vespertilio borbonicus* E. Geoffroy Saint-Hilaire	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
31 Aug 1804	*V[espertilio] acetabulosus* Hermann	*Mormopterus acetabulosus acetabulosus* (Hermann, 1804)
31 Aug 1804	*V[espertilio] acetabulosus* Hermann	*Mormopterus acetabulosus* (Hermann, 1804)
31 Aug 1804	*V[espertilio] mauritianus* Hermann	*Pteropus niger* (Kerr, 1792)
31 Dec 1806	*Vespertilio emarginatus* E. Geoffroy Saint-Hilaire	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
31 Dec 1809	*Vespertilio caninus var. b* Goldfuss	*Eidolon helvum helvum* (Kerr, 1792)
31 Dec 1810	*Megaderma frons* E. Geoffroy Saint-Hilaire	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1810	*Pteropus Edwardsii* E. Geoffroy Saint-Hilaire	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
31 Dec 1810	*Pteropus Egyptiacus* E. Geoffroy Saint-Hilaire	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1810	*Pteropus rubricollis* E. Geoffroy Saint-Hilaire	*Pteropus subniger* (Kerr, 1792)
31 Dec 1810	*Pteropus vulgaris* E. Geoffroy Saint-Hilaire	*Pteropus niger* (Kerr, 1792)
31 Dec 1810	*Megaderma* E. Geoffroy St.-Hillaire	*Megaderma* E. Geoffroy St.-Hilaire, 1810
31 Aug 1813	*Nycteris Daubentonii* E. Geoffroy Saint-Hilaire	*Nycteris hispida* (Schreber, 1774)

Publication date	Original Name	Current Name
31 Dec 1813	*Rhinolophus Commersonii* E. Geoffroy Saint-Hilaire	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
31 Dec 1813	*Rhinolophus tridens* E. Geoffroy Saint-Hilaire	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
3 Jun 1814	*Cephalotes teniotis* Rafinesque	*Tadarida teniotis* (Rafinesque, 1814)
3 Jun 1814	*Tadarida* Rafinesque	*Tadarida* Rafinesque, 1814
31 Dec 1814	*Pteropus torquatus* G. Fischer	*Pteropus subniger* (Kerr, 1792)
31 Dec 1815	*Pteropus collaris* Illiger	*Pteropus subniger* (Kerr, 1792)
31 Dec 1815	*Pteropus flavus* Illiger	*Eidolon helvum helvum* (Kerr, 1792)
31 Dec 1815	*Eidolon* Rafinesque	*Eidolon* Rafinesque, 1815
31 Dec 1815	*Vespertilia* Rafinesque	*VESPERTILIONIDAE* Gray, 1821
31 Dec 1816	*Macrotus* Leach	*Plecotus* E. Geoffroy St.-Hilaire, 1818
31 Dec 1816	*Phyllorhina* Leach	*Rhinolophus* Lacépède, 1799
31 Dec 1816	*Myopterus senegalensis* Oken	*Myopterus daubentonii* Desmarest, 1820
31 Dec 1816	*Pteropus madagascariensis* Oken	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
31 Dec 1816	*Rhinopoma brevicaudatum* Oken	*Rhinopoma cystops* Thomas, 1903
31 Dec 1817	*Vespertilio Kuhlii* Kuhl	*Pipistrellus kuhlii* (Kuhl, 1817)
31 Dec 1817	*Vespertilio Leisleri* Kuhl	*Nyctalus leisleri* (Kuhl, 1817)
31 Dec 1817	*Vespertilio mystacinus* Kuhl	*Myotis mystacinus* (Kuhl, 1817)
31 Dec 1817	*Vespertilio schreibersii* Kuhl	*Miniopterus schreibersii* (Kuhl, 1817)
31 Dec 1818	*Myopterus* E. Geoffroy Saint-Hilaire	*Myopterus* E. Geoffroy St.-Hilaire, 1818
31 Dec 1818	*Nycteris Thebaicus* E. Geoffroy Saint-Hilaire	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1818	*Nyctinomus* E. Geoffroy Saint-Hilaire	*Tadarida* Rafinesque, 1814
31 Dec 1818	*Nyctinomus ægyptiacus* E. Geoffroy Saint-Hilaire	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
31 Dec 1818	*Nyctinomus ægyptiacus* E. Geoffroy Saint-Hilaire	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
31 Dec 1818	*Plecotus* E. Geoffroy Saint-Hilaire	*Plecotus* E. Geoffroy St.-Hilaire, 1818
31 Dec 1818	*Pteropus aegyptiacus* E. Geoffroy Saint-Hilaire	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1818	*Rhinopoma* E. Geoffroy Saint-Hilaire	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
31 Dec 1818	*Taphozous* E. Geoffroy Saint-Hilaire	*Taphozous* E. Geoffroy St.-Hilaire, 1818
31 Dec 1818	*Taphozous mauritianus* E. Geoffroy Saint-Hilaire	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
31 Dec 1818	*Taphozous perforatus* E. Geoffroy Saint-Hilaire	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
31 Dec 1818	*Taphozous perforatus* E. Geoffroy Saint-Hilaire	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
31 Dec 1819	*Vespertilio dasykarpos* Kuhl	*Nyctalus leisleri* (Kuhl, 1817)
1 Mar 1820	*Eptesicus* Rafinesque	*Eptesicus* Rafinesque, 1820
31 Dec 1820	*Myopteris* Desmarest	*Myopterus* E. Geoffroy St.-Hilaire, 1818
31 Dec 1820	*Myopterus daubentonii* Desmarest	*Myopterus daubentonii* Desmarest, 1820
31 Dec 1820	*Nycteris Geoffroyi* Desmarest	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1820	*Taphozous senegalensis* Desmarest	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
1 Apr 1821	*Barbastella* Gray	*Barbastella* Gray, 1821
1 Apr 1821	*Nyctinomes* Gray	*Tadarida* Rafinesque, 1814
1 Apr 1821	*Pteropidae* Gray	*PTEROPODIDAE* Gray, 1821
1 Apr 1821	*Vespertilionidae* Gray	*VESPERTILIONIDAE* Gray, 1821
1 Apr 1821	*Vespertilioninae* Gray	*Vespertilioninae* Gray, 1821
1 Apr 1821	*Vespertilionoidea* Gray	*VESPERTILIONOIDEA* Gray, 1821
23 Jun 1821	*Scotophilus* Leach	*Scotophilus* Leach, 1821
31 Dec 1821	*Nyctinoma* Bowdich	*Tadarida* Rafinesque, 1814
31 Dec 1821	*Rhynopoma* Bowdich	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
31 Dec 1821	*Cephalotidae* Gray	*PTEROPODIDAE* Gray, 1821
31 Dec 1821	*CHEIROPTERA* Gray	*CHIROPTERA* Blumenbach, 1779
31 Dec 1821	*FRUCTIVORAE* Gray	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1821	*INSECTIVORAE* Gray	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1821	*Pteropodinae* Gray	*Pteropodinae* Gray, 1821
31 Dec 1821	*PTEROPODOIDEA* Gray	*PTEROPODOIDEA* Gray, 1821
31 Dec 1822	*Nyctinomia* Fleming	*Tadarida* Rafinesque, 1814
31 Dec 1822	*CHEIROPTERA* Flemming	*CHIROPTERA* Blumenbach, 1779
31 Dec 1823	*Pteropus collaris* Lichtenstein	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1823	*Rhinolophus capensis* Lichtenstein	*Rhinolophus capensis* Lichtenstein, 1823
31 Dec 1824	*Nyctinomus mauritianus* Horsfield	*Mormopterus acetabulosus acetabulosus* (Hermann, 1804)
31 Dec 1825	*Nyctalus* Bowdich	*Nyctalus* Bowdich, 1825
31 Dec 1825	*Nyctalus verrucosus* Bowdich	*Nyctalus leisleri* (Kuhl, 1817)
31 Dec 1825	*Rhinolophidae* Gray	*RHINOLOPHIDAE* Gray, 1825
31 Dec 1825	*Rhinolophoidea* Gray	*RHINOLOPHOIDEA* J. E. Gray, 1825
31 Dec 1825	*Vespertilio Pygmæus* Leach	*Pipistrellus pygmaeus* (Leach, 1825)

Publication date	Original Name	Current Name
31 Dec 1825	*Dinops* Savi	*Tadarida* Rafinesque, 1814
31 Dec 1825	*Dinops Cestonii* Savi	*Tadarida teniotis* (Rafinesque, 1814)
31 Dec 1825	*Pteropus geoffroyi* Temminck	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1825	*Pteropus phaiops* Temminck	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
31 Dec 1826	*Dysopes pumilus* Cretzschmar	*Chaerephon pumilus* (Cretzschmar, 1826)
31 Dec 1826	*Nycticejus leucogaster* Cretzschmar	*Scotophilus leucogaster* (Cretzschmar, 1826)
31 Dec 1826	*Vespertilio leucomelas* Cretzschmar	*Barbastella leucomelas* (Cretzschmar, 1826)
31 Dec 1826	*Vespertilio temminckii* Cretzschmar	*Pipistrellus rueppellii* (Fischer, 1829)
31 Dec 1827	*Vespertilio ferrugineus* Brehm	*Nyctalus lasiopterus* (Schreber, 1780)
31 Dec 1827	*Vespertilio temminckii* Cretzschmar	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
31 Dec 1827	*Rhinolophina* Lesson	*RHINOLOPHIDAE* Gray, 1825
31 Dec 1827	*Dysopes geoffroyi* Temminck	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
31 Dec 1827	*Dysopes rüpelii* Temminck	*Tadarida teniotis* (Rafinesque, 1814)
31 Dec 1828	*Rhinolophus clivosus* Cretzschmar	*Rhinolophus clivosus* Cretzschmar, 1828
31 May 1829	*Nycteris affinis* A. Smith	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 May 1829	*Nycteris Capensis* A. Smith	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 May 1829	*Pteropus Leachii* A. Smith	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
31 May 1829	*Rhinolophus Geoffroyii* A. Smith	*Rhinolophus clivosus* Cretzschmar, 1828
31 May 1829	*Vespertilio Capensis* A. Smith	*Neoromicia capensis* (A. Smith, 1829)
30 Jun 1829	*Cercopteropus* Burnett	*Rousettus* Gray, 1821
31 Dec 1829	*Vespertilio auritus ß aegyptius* J.B. Fischer	*Plecotus christii* Gray, 1838
31 Dec 1829	*Vespertilio Rüppelii* J.B. Fischer	*Pipistrellus rueppellii* (Fischer, 1829)
31 Dec 1829	*Vespertilio ruppellii* J.B. Fischer	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
31 Dec 1829	*Barbastellus* Kaup	*Barbastella* Gray, 1821
31 Dec 1829	*Cnephæus* Kaup	*Eptesicus* Rafinesque, 1820
31 Dec 1829	*Myotis* Kaup	*Myotis* Kaup, 1829
31 Dec 1829	*Nystactes* Kaup	*Myotis* Kaup, 1829
31 Dec 1829	*Pipistrellus* Kaup	*Pipistrellus* Kaup, 1829
31 Dec 1829	*Pterygistes* Kaup	*Nyctalus* Bowdich, 1825
31 Dec 1830	*Loeconoë* Boie	*Myotis* Kaup, 1829
31 Dec 1830	*Vespertilio marginatus* Cretzschmar	*Pipistrellus kuhlii* (Kuhl, 1817)
31 Dec 1831	*Dysopes* Cretzschmar	*Tadarida* Rafinesque, 1814
31 Dec 1831	*Taphozous nudiventris* Cretzschmar	*Taphozous nudiventris* Cretzschmar, 1830
31 Dec 1831	*Hipposideros* Gray	*Hipposideros* Gray, 1831
31 Dec 1831	*Pachyotus* Gray	*Scotophilus* Leach, 1821
31 Dec 1832	*Pteropus hottentottus* Temminck	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1832	*Vespertilio epichrysus* Temminck	*Scotophilus dinganii* (A. Smith, 1833)
31 Dec 1832	*Vespertilio platycephalus* Temminck	*Pipistrellus hesperidus* (Temminck, 1840)
31 Dec 1832	*Vespertilio tricolor* Temminck	*Myotis tricolor* (Temminck, 1832)
30 Nov 1833	*Nyctinomus Condylurus* A. Smith	*Mops (Mops) condylurus* (A. Smith, 1833)
30 Nov 1833	*Nyctinomus dubius* A. Smith	*Mormopterus acetabulosus natalensis* (A. Smith, 1847)
30 Nov 1833	*Vespertilio Dinganii* A. Smith	*Scotophilus dinganii* (A. Smith, 1833)
30 Nov 1833	*Vespertilio Hottentota* A. Smith	*Eptesicus hottentotus* (A. Smith, 1833)
30 Nov 1833	*Vespertilio Natalensis* A. Smith	*Miniopterus natalensis* (A. Smith, 1833)
30 Jun 1834	*Vespertilio goudoti* A. Smith	*Myotis goudoti* (A. Smith, 1834)
26 Sep 1834	*Hipposiderus* Gray	*Hipposideros* Gray, 1831
9 Oct 1835	*Pteropus Gambianus* Ogilby	*Epomophorus gambianus gambianus* (Ogilby, 1835)
9 Oct 1835	*Pteropus Gambianus* Ogilby	*Epomophorus gambianus* (Ogilby, 1835)
9 Oct 1835	*Pteropus macrocephalus* Ogilby	*Epomophorus gambianus gambianus* (Ogilby, 1835)
31 Dec 1835	*Pteropus megacephalus* Swainson	*Epomophorus gambianus gambianus* (Ogilby, 1835)
31 Dec 1835	*Taphozous leucopterus* Temminck	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
12 Feb 1836	*Epomophorus* Bennett	*Epomophorus* Bennett, 1836
12 Feb 1836	*Pteropus epomophorus* Bennett	*Epomophorus gambianus gambianus* (Ogilby, 1835)
2 Oct 1836	*Pteropus Whitei* Bennett	*Epomophorus gambianus gambianus* (Ogilby, 1835)
31 Dec 1836	*Rhinocrepis* Gervais	*Rhinolophus* Lacépède, 1799
31 Dec 1837	*Miniopterus* Bonaparte	*Miniopterus* Bonaparte, 1837
31 Dec 1837	*Noctula* Bonaparte	*Eptesicus* Rafinesque, 1820
31 Dec 1837	*Pipistrella* Bonaparte	*Pipistrellus* Kaup, 1829
31 Dec 1837	*Vespertilio Capaccinii* Bonaparte	*Myotis capaccinii* (Bonaparte, 1837)
31 Dec 1837	*Vespertilio Savii* Bonaparte	*Hypsugo savii* (Bonaparte, 1837)
31 Dec 1837	*Myoptera* de Blainville	*Myopterus* E. Geoffroy St.-Hilaire, 1818
31 Dec 1837	*Pteropus labiatus* Temminck	*Epomophorus labiatus* (Temminck, 1837)
31 Dec 1837	*Pteropus vulgaris* Temminck	*Pteropus subniger* (Kerr, 1792)
1 Feb 1838	*Asellia* Gray	*Asellia* Gray, 1838
1 Feb 1838	*Barbastellus communis* Gray	*Barbastella barbastellus* (Schreber, 1774)
1 Feb 1838	*Lavia* Gray	*Lavia* Gray, 1838
1 Feb 1838	*Petalia* Gray	*Nycteris* G. Cuvier and E. Geoffroy, 1795
1 Feb 1838	*Plecotus christii* Gray	*Plecotus christii* Gray, 1838
1 Feb 1838	*Romicia* Gray	*Pipistrellus* Kaup, 1829
25 May 1838	*Rhinolophus landeri* Martin	*Rhinolophus landeri* Martin, 1838
31 Dec 1838	*PTEROPODIDAE* Bonaparte	*PTEROPODIDAE* Gray, 1821
31 Dec 1838	*Rhinopomina* Bonaparte	*RHINOPOMATIDAE* Dobson, 1872

Publication date	Original Name	Current Name
31 Dec 1838	*Pteropus phæops* Oken	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
31 Dec 1838	*Saccolaimus* Temminck	*Saccolaimus* Temminck, 1838
31 Dec 1839	*Synotus* Keyserling and Blasius	*Barbastella* Gray, 1821
31 Dec 1839	*Vesperugo* Keyserling and Blasius	*Nyctalus* Bowdich, 1825
31 Dec 1839	*Vesperugo* Keyserling and Blasius	*Pipistrellus* Kaup, 1829
31 Dec 1839	*Vesperugo* Keyserling and Blasius	*Eptesicus* Rafinesque, 1820
31 Dec 1839	*Vesperus* Keyserling and Blasius	*Eptesicus* Rafinesque, 1820
31 Dec 1839	*Vespertilio pachygnathus* Michahelles	*Nyctalus leisleri* (Kuhl, 1817)
31 Dec 1840	*Romicius* Blyth	*Pipistrellus* Kaup, 1829
31 Dec 1840	*Dysopes Savii* Schinz	*Tadarida teniotis* (Rafinesque, 1814)
31 Dec 1840	*Vespertilio d'asythrix* Temminck	*Miniopterus natalensis* (A. Smith, 1833)
31 Dec 1840	*Vespertilio hesperida* Temminck	*Pipistrellus hesperidus* (Temminck, 1840)
31 Dec 1840	*Vespertilio hesperida* Temminck	*Pipistrellus hesperidus hesperidus* (Temminck, 1840)
31 Dec 1840	*Vespertilio minuta* Temminck	*Neoromicia capensis* (A. Smith, 1829)
31 Dec 1840	*N[ycteris] albiventer* Wagner	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1840	*N[ycteris] discolor* Wagner	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1841	*Capaccinius* Bonaparte	*Myotis* Kaup, 1829
31 Dec 1841	*Selysius* Bonaparte	*Myotis* Kaup, 1829
31 Dec 1841	*Vespertilio isabellinus* Temminck	*Eptesicus isabellinus* (Temminck, 1840)
31 Dec 1841	*Vespertilio megalurus* Temminck	*Eptesicus hottentotus* (A. Smith, 1833)
1 Dec 1842	*Kerivoula* Gray	*Kerivoula* Gray, 1842
1 Dec 1842	*Kerivoula poensis* Gray	*Glauconycteris poensis* (Gray, 1842)
1 Dec 1842	*Noctulinia* Gray	*Nyctalus* Bowdich, 1825
1 Dec 1842	*Trilatitus* Gray	*Myotis* Kaup, 1829
31 Dec 1842	*Mops* Lesson	*Mops (Mops)* Lesson, 1842
31 Dec 1842	*Mops* Lesson	*Mops* Lesson, 1842
31 Dec 1842	*Nicticejus* Rüppell	*Scotophilus* Leach, 1821
31 Dec 1842	*Pteropus Schoënsis* Rüppell	*Epomophorus labiatus* (Temminck, 1837)
31 Dec 1842	*Rhinolophus fumigatus* Rüppell	*Rhinolophus fumigatus* Rüppell, 1842
31 Dec 1842	*Vespertilio Pipistrellus varietas africana* Rüppell	*Neoromicia nana* (Peters, 1852)
31 Dec 1842	*Harpyidae* H. Smith	*PTEROPODIDAE* Gray, 1821
13 May 1843	*Nycteris poensis* Gray	*Nycteris hispida* (Schreber, 1774)
13 May 1843	*Xantharpyia* Gray	*Rousettus* Gray, 1821
31 Jul 1843	*Rhinolophus Martini* Fraser	*Nycteris hispida* (Schreber, 1774)
31 Dec 1843	*Dysopes midas* Sundevall	*Mops (Mops) midas* (Sundevall, 1843)
31 Dec 1843	*Dysopes midas* Sundevall	*Mops (Mops) midas midas* (Sundevall, 1843)
31 Dec 1843	*Gymnorhina* Wagner	*VESPERTILIONIDAE* Gray, 1821
31 Dec 1844	*Eleutherura* Gray	*Rousettus* Gray, 1821
31 Dec 1845	*Rhinolophus gigas* Wagner	*Macronycteris gigas* (Wagner, 1845)
31 Jul 1846	*Pteropus Haldemani* Hallowell	*Epomophorus wahlbergi* (Sundevall, 1846)
31 Dec 1846	*Pteropus Wahlbergi* Sundevall	*Epomophorus wahlbergi* (Sundevall, 1846)
31 Dec 1846	*Rhinolophus caffer* Sundevall	*Hipposideros caffer* (Sundevall, 1846)
31 Dec 1846	*Vespertilio scotinus* Sundevall	*Miniopterus natalensis* (A. Smith, 1833)
31 Dec 1846	*Vespertilio subtilis* Sundevall	*Pipistrellus hesperidus subtilis* (Sundevall, 1846)
13 Apr 1847	*Aquias* Gray	*Rhinolophus* Lacépède, 1799
31 Dec 1847	*Eucheira* Hodgson	*Megaderma* E. Geoffroy St.-Hilaire, 1810
31 Dec 1847	*Dysopes natalensis* A. Smith	*Mormopterus acetabulosus natalensis* (A. Smith, 1847)
31 Dec 1847	*Vespertilio lanosus* A. Smith	*Kerivoula lanosa* (A. Smith, 1847)
31 Dec 1849	*Kirivoula* Gervais	*Kerivoula* Gray, 1842
31 Dec 1849	*Vespertilio minutus* A. Smith	*Eptesicus hottentotus* (A. Smith, 1833)
31 Dec 1852	*Cynonycteris* Peters	*Rousettus* Gray, 1821
31 Dec 1852	*Dysopes brachypterus* Peters	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
31 Dec 1852	*Dysopes dubius* Peters	*Chaerephon pumilus* (Cretzschmar, 1826)
31 Dec 1852	*Dysopes limbatus* Peters	*Chaerephon pumilus* (Cretzschmar, 1826)
31 Dec 1852	*Emballonura afra* Peters	*Coleura afra* (Peters, 1852)
31 Dec 1852	*Epomophorus crypturus* Peters	*Epomophorus crypturus* Peters, 1852
31 Dec 1852	*Nycteris fuliginosa* Peters	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1852	*Nycteris villosa* Peters	*Nycteris hispida* (Schreber, 1774)
31 Dec 1852	*Nycticejus planirostris* Peters	*Scotophilus dinganii* (A. Smith, 1833)
31 Dec 1852	*Nycticejus viridis* Peters	*Scotophilus viridis* (Peters, 1852)
31 Dec 1852	*Phyllorhina caffra* Peters	*Hipposideros caffer* (Sundevall, 1846)
31 Dec 1852	*Phyllorrhina gracilis* Peters	*Hipposideros caffer* (Sundevall, 1846)
31 Dec 1852	*Phyllorrhina patellifera* Peters	*Hipposideros caffer* (Sundevall, 1846)
31 Dec 1852	*Phyllorrhina vittata* Peters	*Macronycteris vittatus* (Peters, 1852)
31 Dec 1852	*Rhinolophus lobatus* Peters	*Rhinolophus lobatus* Peters, 1852
31 Dec 1852	*Vespertilio nanus* Peters	*Neoromicia nana* (Peters, 1852)
31 Dec 1853	*Rhinolophus euryale* Blasius	*Rhinolophus euryale* Blasius, 1853
31 Dec 1853	*Pachysoma* Temminck	*Epomophorus* Bennett, 1836
31 Dec 1853	*Phyllorrhina cyclops* Temminck	*Doryrhina cyclops* (Temminck, 1853)
31 Dec 1853	*Phyllorrhina fuliginosa* Temminck	*Hipposideros fuliginosus* (Temminck, 1853)
31 Dec 1853	*Rhinolophus alcyone* Temminck	*Rhinolophus alcyone* Temminck, 1853
31 Dec 1853	*Taphozous peli* Temminck	*Saccolaimus peli* (Temminck, 1853)
31 Dec 1854	*Rhinolophides* Gervais	*RHINOLOPHIDAE* Gray, 1825

Publication date	Original Name	Current Name
23 Jul 1855	*Emballonuridae* Gervais	*EMBALLONURIDAE* Gervais, 1855
28 Sep 1855	*V[espertilio] Smithii* Wagner	*Eptesicus hottentotus* (A. Smith, 1833)
31 Dec 1855	*FRUGIVORA* Giebel	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1855	*Gymnorhina* Giebel	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1855	*Histiorhina* Van der Hoeven	*RHINOLOPHIDAE* Gray, 1825
31 Dec 1855	*Nycteridae* Van der Hoeven	*NYCTERIDAE* Van der Hoeven, 1855
31 Dec 1855	*Nycteroidea* Van der Hoeven	*NYCTEROIDEA* Van der Hoeven, 1855
31 Dec 1855	*Vespertilio smithii* Wagner	*Eptesicus hottentotus* (A. Smith, 1833)
23 Jul 1856	*Molossidae* Gervais	*MOLOSSIDAE* Gervais, 1856
23 Jul 1856	*Molossinae* Gervais	*Molossinae* Gervais, 1856
23 Jul 1856	*Nycticeina* Gervais	*VESPERTILIONIDAE* Gray, 1821
31 Dec 1856	*Molossoidae* Gervais	*MOLOSSOIDEA* Gervais, 1856
31 Dec 1856	*Brachyotus* Kolenati	*Myotis* Kaup, 1829
31 Dec 1856	*Cateorus* Kolenati	*Eptesicus* Rafinesque, 1820
31 Dec 1856	*Hypsugo* Kolenati	*Hypsugo* Kolenati, 1856
31 Dec 1856	*Isotus* Kolenati	*Myotis* Kaup, 1829
31 Dec 1856	*Meteorus* Kolenati	*Eptesicus* Rafinesque, 1820
31 Dec 1856	*Nannugo* Kolenati	*Pipistrellus* Kaup, 1829
31 Dec 1856	*Panugo* Kolenati	*Nyctalus* Bowdich, 1825
31 Dec 1857	*Vespertilio pusillus* Leconte	*Neoromicia "incertae-sedis"*
27 Apr 1858	*Vespertilio Madagascariensis* Tomes	*Myotis goudoti* (A. Smith, 1834)
31 Dec 1858	*Amblyotus* Kolenati	*Eptesicus* Rafinesque, 1820
31 Dec 1858	*Nannugo Kolenatii* Müller	*Pipistrellus "incertae-sedis"*
30 Jun 1859	*Scotophilus darwini* Tomes	*Hypsugo savii* (Bonaparte, 1837)
31 Dec 1859	*Nycticejus Schlieffenii* Peters	*Nycticeinops schlieffenii* (Peters, 1859)
31 Dec 1859	*Otonycteris* Peters	*Otonycteris* Peters, 1859
31 Dec 1859	*Otonycteris Hemprichii* Peters	*Otonycteris hemprichii* Peters, 1859
31 Dec 1859	*Rhinopoma Lepsianum* Peters	*Rhinopoma microphyllum* (Brünnich, 1782)
31 May 1860	*Epomophorus franqueti* Tomes	*Epomops franqueti* (Tomes, 1860)
31 Dec 1860	*Phyllorrhina* Koch	*HIPPOSIDERIDAE* Lydekker, 1891
31 Dec 1860	*Rhinolophus auritus* Sundevall	*Rhinolophus capensis* Lichtenstein, 1823
31 May 1861	*Kerivoula argentata* Tomes	*Kerivoula argentata* Tomes, 1861
31 May 1861	*Scotophilus rusticus* Tomes	*Pipistrellus rusticus* (Tomes, 1861)
31 May 1861	*Scotophilus variegatus* Tomes	*Glauconycteris variegata* (Tomes, 1861)
31 Dec 1861	*Nyctophylax* Fitzinger	*Kerivoula* Gray, 1842
31 Dec 1861	*Nycteris labiata* Heuglin	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1861	*Nycticejus flavigaster* Heuglin	*Scotophilus leucogaster* (Cretzschmar, 1826)
31 Dec 1861	*Nycticejus murino-flavus* Heuglin	*Scotophilus leucogaster* (Cretzschmar, 1826)
31 Dec 1861	*Nyctinomus (Dysopes) ventralis* Heuglin	*Tadarida ventralis* (Heuglin, 1861)
31 Dec 1861	*Nyctinomus bivittatus* Heuglin	*Chaerephon bivittatus* (Heuglin, 1861)
31 Dec 1861	*Phyllorrhina bicornis* Heuglin	*Hipposideros tephrus* (Cabrera, 1906)
31 Dec 1861	*Phyllorrhina megalotis* Heuglin	*Hipposideros megalotis* (Heuglin, 1861)
31 Dec 1861	*Rhinolophus acrotis* Heuglin	*Rhinolophus clivosus* Cretzschmar, 1828
31 Dec 1861	*Rhinolophus miminus* Heuglin	*Rhinolophus hipposideros* (Bechstein, 1800)
30 Jun 1862	*Sphyrocephalus* A. Murray	*Hypsignathus* H. Allen, 1862
30 Jun 1862	*Sphyrocephalus labrosus* A. Murray	*Hypsignathus monstrosus* H. Allen, 1862
30 Jun 1862	*Zygænocephalus* A. Murray	*Hypsignathus* H. Allen, 1862
31 Dec 1862	*Epomophorus comptus* H. Allen	*Epomops franqueti* (Tomes, 1860)
31 Dec 1862	*H[ypsignathus] monstrosus* H. Allen	*Hypsignathus monstrosus* H. Allen, 1862
31 Dec 1862	*Hypsignathus* H. Allen	*Hypsignathus* H. Allen, 1862
31 Dec 1862	*Pteropus mollipilosus* H. Allen	*Eidolon helvum helvum* (Kerr, 1792)
31 Dec 1862	*Pterocyon* Peters	*Eidolon* Rafinesque, 1815
31 Dec 1862	*Pterocyon paleaceus* Peters	*Eidolon helvum helvum* (Kerr, 1792)
31 Dec 1863	*Aristippe* Kolenati	*Eptesicus* Rafinesque, 1820
31 Dec 1864	*Megadermatidae* H. Allen	*MEGADERMATIDAE* H. Allen, 1864
31 Dec 1864	*Dysopes hepaticus* Heuglin	*Mops (Mops) condylurus* (A. Smith, 1833)
31 Dec 1864	*Epomophorus anurus* Heuglin	*Epomophorus labiatus* (Temminck, 1837)
31 May 1865	*Nycticejus nidicola* Kirk	*Kerivoula argentata* Tomes, 1861
30 Jun 1865	*Pteropus palmarum* Heuglin	*Eidolon helvum helvum* (Kerr, 1792)
31 Oct 1865	*Nyctinomus (Mormopterus) jugularis* Peters	*Mormopterus jugularis* (Peters, 1865)
31 Dec 1865	*Brachyura* Peters	*EMBALLONURIDAE* Gervais, 1855
31 Dec 1865	*Megadermata* Peters	*MEGADERMATIDAE* H. Allen, 1864
31 Dec 1865	*Molossi* Peters	*MOLOSSIDAE* Gervais, 1856
31 Dec 1865	*Mormopterus* Peters	*Mormopterus* Peters, 1865
31 Dec 1865	*Nycteris grandis* Peters	*Nycteris grandis* Peters, 1865
31 Dec 1865	*Nyctophilinae* Peters	*Vespertilioninae* Gray, 1821
31 Dec 1865	*Rhinolophi* Peters	*RHINOLOPHIDAE* Gray, 1825
31 Dec 1865	*Vespertiliones* Peters	*Vespertilioninae* Gray, 1821
2 Feb 1866	*Nyctericina* Gray	*NYCTERIDAE* Van der Hoeven, 1855
1 Feb 1866	*Diclidurina* Gray	*EMBALLONURIDAE* Gervais, 1855
1 Feb 1866	*Emballonurina* Gray	*EMBALLONURIDAE* Gervais, 1855

Publication date	Original Name	Current Name
1 Feb 1866	*Molossina* Gray	*MOLOSSIDAE* Gervais, 1856
1 Feb 1866	*Nyctophilina* Gray	*VESPERTILIONIDAE* Gray, 1821
1 Feb 1866	*Pachyomus* Gray	*Eptesicus* Rafinesque, 1820
1 Feb 1866	*Plecotina* Gray	*VESPERTILIONIDAE* Gray, 1821
1 Feb 1866	*Romiciana* Gray	*VESPERTILIONIDAE* Gray, 1821
1 Feb 1866	*Vespertilionina* Gray	*VESPERTILIONIDAE* Gray, 1821
31 May 1866	*Chrysonycteris* Gray	*Hipposideros* Gray, 1831
31 May 1866	*Epomophorina* Gray	*Pteropodinae* Gray, 1821
31 May 1866	*Eunycteris* Gray	*Pteropus* Erxleben, 1777
31 May 1866	*Gloionycteris* Gray	*Hipposideros* Gray, 1831
31 May 1866	*Macronycteris* Gray	*Macronycteris* Gray, 1866
31 May 1866	*Megadermina* Gray	*MEGADERMATIDAE* H. Allen, 1864
31 May 1866	*Nycterops* Gray	*Nycteris* G. Cuvier and E. Geoffroy, 1795
31 May 1866	*Nycterops pilosa* Gray	*Nycteris hispida* (Schreber, 1774)
31 May 1866	*Phyllotis* Gray	*Rhinolophus* Lacépède, 1799
31 May 1866	*Pteropus livingstonii* Gray	*Pteropus livingstonii* Gray, 1866
31 May 1866	*Rhinonycterina* Gray	*RHINONYCTERIDAE* J. E. Gray, 1866
31 May 1866	*Rhinophylla* Gray	*Hipposideros* Gray, 1831
31 May 1866	*Speorifera* Gray	*Hipposideros* Gray, 1831
30 Sep 1866	*Scotophilus welwitschii* Gray	*Myotis welwitschii* (Gray, 1866)
31 Dec 1866	*Rhinopoma longicaudatum* Fitzinger	*Rhinopoma cystops* Thomas, 1903
31 Dec 1866	*Rhinopoma sennaariense* Fitzinger	*Rhinopoma cystops* Thomas, 1903
31 Dec 1866	*Xantharpyia leucomelas* Fitzinger	*Eidolon helvum helvum* (Kerr, 1792)
31 Dec 1866	*Plecotus ustus* Fitzinger and Heuglin	*Otonycteris hemprichii* Peters, 1859
31 Dec 1866	*Nycteris Baikii* Gray	*Nycteris grandis* Peters, 1865
31 Dec 1866	*Rhinonycteridae* Gray	*RHINONYCTERIDAE* J. E. Gray, 1866
31 Dec 1866	*Scotophilina* Gray	*Scotophilinae* Van Cakenberghe and Seamark, 2008
31 Dec 1866	*Spasma* Gray	*Megaderma* E. Geoffroy St.-Hilaire, 1810
31 Dec 1866	*Nycterides* Haeckel	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1866	*Pterocynes* Haeckel	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1866	*Plecotus æthiopicus* Heuglin	*Plecotus christii* Gray, 1838
31 Dec 1866	*Xantharpyia leucomelas* Heuglin	*Eidolon helvum* (Kerr, 1792)
31 Dec 1866	*Plecotus æthiopicus* Heuglin and Fitzinger	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1866	*Vesperugo hypoleucus* Heuglin and Fitzinger	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
31 Dec 1866	*Vesperugo sennaariensis* Heuglin and Fitzinger	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
30 Apr 1867	*Cœloephyllus* Peters	*Rhinolophus* Lacépède, 1799
30 Apr 1867	*Pteropus dupréanus* Schlegel	*Eidolon dupreanum* (Schegel, 1867)
31 Dec 1867	*Rhinolophus algirus* Loche	*Rhinolophus euryale* Blasius, 1853
31 Dec 1867	*Colëura* Peters	*Coleura* Peters, 1867
31 Dec 1867	*Miniopterus minor* Peters	*Miniopterus minor* Peters, 1867
31 Dec 1867	*Rhinolophus blasii* Peters	*Rhinolophus blasii* Peters, 1867
31 Dec 1867	*Vespertilio (Pternopterus)* Peters	*Myotis* Kaup, 1829
31 Dec 1868	*Nycteris Geoffroyi Var. Senegalensis* Hartmann	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1868	*Rhinopoma sennarense* Hartmann	*Rhinopoma cystops* Thomas, 1903
31 Dec 1868	*V[espertilio noctula] var. sicula* Mina-Palumbo	*Nyctalus lasiopterus* (Schreber, 1780)
31 Dec 1868	*Alobus* Peters	*Pipistrellus* Kaup, 1829
31 Dec 1868	*Epomophorus pusillus* Peters	*Micropteropus pusillus* (Peters, 1868)
31 Dec 1868	*Rhinolophus Deckenii* Peters	*Rhinolophus deckenii* Peters, 1868
31 Dec 1868	*Vesperus (Hesperoptenus) kraussii* Peters	*Glauconycteris poensis* (Gray, 1842)
30 Sep 1869	*Nyctinomus leucogaster* A. Grandidier	*Chaerephon leucogaster* (A. Grandidier, 1869)
30 Sep 1869	*Nyctinomus Miarensis* A. Grandidier	*Mops (Mops) midas miarensis* (A. Grandidier, 1869)
31 Dec 1869	*Gymnorhinida* Fatio	*VESPERTILIONIDAE* Gray, 1821
31 Dec 1869	*Vesperugo noctula var. maxima* Fatio	*Nyctalus lasiopterus* (Schreber, 1780)
31 Dec 1869	*Coleura seychellensis* Peters	*Coleura seychellensis* Peters, 1868
31 Dec 1869	*Rhinolophus æthiops* Peters	*Rhinolophus fumigatus* Rüppell, 1842
31 Dec 1869	*Vesperus Bottae* Peters	*Eptesicus bottae* (Peters, 1869)
28 Feb 1870	*Nyctinomus unicolor* A. Grandidier	*Mops (Mops) midas miarensis* (A. Grandidier, 1869)
28 Feb 1870	*Vespertilio sylvicola* A. Grandidier	*Myotis goudoti* (A. Smith, 1834)
31 Dec 1870	*Aëorestes* Fitzinger	*Myotis* Kaup, 1829
31 Dec 1870	*Comastes* Fitzinger	*Myotis* Kaup, 1829
31 Dec 1870	*Exochurus* Fitzinger	*Myotis* Kaup, 1829
31 Dec 1870	*Nyctiptenus* Fitzinger	*Eptesicus* Rafinesque, 1820
31 Dec 1870	*Rhinolophus Eggenhöffner* Fitzinger	*Rhinolophus hipposideros* (Bechstein, 1800)
31 Dec 1870	*[Epomophorus macrocephalus] var. angolensis* Gray	*Epomophorus angolensis* Gray, 1870
31 Dec 1870	*[Epomophorus macrocephalus] var. unicolor* Gray	*Epomophorus wahlbergi* (Sundevall, 1846)
31 Dec 1870	*Cynopterus collaris* Gray	*Myonycteris torquata* (Dobson, 1878)

Publication date	Original Name	Current Name
31 Dec 1870	*Eleutherura unicolor* Gray	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1870	*Epomophorus macrocephalus var. unicolor* Gray	*Epomophorus wahlbergi* (Sundevall, 1846)
31 Dec 1870	*Epomops* Gray	*Epomops* Gray, 1866
31 Dec 1870	*Pselaphon* Gray	*Pteropus* Erxleben, 1777
31 Dec 1870	*Senonycteris* Gray	*Rousettus* Gray, 1821
31 Dec 1870	*Spectrum vulgare* Gray	*Pteropus niger* (Kerr, 1792)
31 Dec 1870	*Stenonycteris* Gray	*Stenonycteris* Gray, 1870
31 Dec 1870	*Nyctinomus angolensis* Peters	*Mops (Mops) condylurus* (A. Smith, 1833)
31 Dec 1870	*Vespertilio Bocagii* Peters	*Myotis bocagii bocagii* (Peters, 1870)
31 Dec 1870	*Vespertilio Bocagii* Peters	*Myotis bocagii* (Peters, 1870)
31 Dec 1870	*Vesperugo pusillulus* Peters	*Neoromicia nana* (Peters, 1852)
28 Dec 1871	*Triaenops* Dobson	*Triaenops* Dobson, 1871
31 Dec 1871	*Cyclorhina* Peters	*Hipposideros* Gray, 1831
31 Dec 1871	*Doryrhina* Peters	*Doryrhina* Peters, 1871
31 Dec 1871	*Nycteris angolensis* Peters	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1871	*Nycteris damarensis* Peters	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1871	*Ptychorhina* Peters	*Hipposideros* Gray, 1831
31 Dec 1871	*Sideroderma* Peters	*Hipposideros* Gray, 1831
31 Dec 1871	*Sybdesmotus* Peters	*Hipposideros* Gray, 1831
31 Dec 1871	*Syndesmotis* Peters	*Hipposideros* Gray, 1831
31 Dec 1871	*Thyreorhina* Peters	*Hipposideros* Gray, 1831
1 May 1872	*Noctulina* Macalister	*Nyctalus* Bowdich, 1825
31 Dec 1872	*Rhinopomatidae* Dobson	*RHINOPOMATIDAE* Dobson, 1872
31 Dec 1872	*Rhinopomatoidea* Dobson	*RHINOPOMATOIDEA* Dobson, 1872
31 Dec 1872	*ANIMALIVORA* Gill	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1872	*Megadermidae* Gill	*MEGADERMATIDAE* H. Allen, 1864
31 Dec 1872	*Lyroderma* Peters	*Megaderma* E. Geoffroy St.-Hilaire, 1810
31 Dec 1872	*Megaderma cor* Peters	*Cardioderma cor* (Peters, 1872)
31 Dec 1872	*Vesperus tenuipinnis* Peters	*Neoromicia tenuipinnis* (Peters, 1872)
23 Jun 1873	*Cardioderma* Peters	*Cardioderma* Peters, 1873
17 Oct 1874	*Nyctinomus (Chaerephon)* Dobson	*Chaerephon* Dobson, 1874
31 Dec 1874	*Emballonura atrata* Peters	*Paremballonura atrata* (Peters, 1874)
1 Aug 1875	*Scotophilus gigas* Dobson	*Scotophilus nigrita* (Schreber, 1774)
1 Oct 1875	*Vespertilio murinus africanus* Dobson	*Myotis punicus* Felten, 1977
31 Oct 1875	*Chalinolobus argentatus* Dobson	*Glauconycteris argentata* (Dobson, 1875)
31 Oct 1875	*Glauconycteris* Dobson	*Glauconycteris* Dobson, 1875
31 Oct 1875	*Vesperugo pulcher* Dobson	*Pipistrellus rueppellii pulcher* (Dobson, 1875)
1 Nov 1875	*Miniopteri* Dobson	*MINIOPTERIDAE* Dobson, 1875
1 Nov 1875	*Miniopteridae* Dobson	*MINIOPTERIDAE* Dobson, 1875
31 Dec 1875	*MEGACHIROPTERA* Dobson	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1875	*MICROCHIROPTERA* Dobson	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1875	*MICROCHIROPTERA* Dobson	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
30 Apr 1876	*Taphonycteris* Dobson	*Saccolaimus* Temminck, 1838
1 May 1876	*Nyctinomus africanus* Dobson	*Tadarida ventralis* (Heuglin, 1861)
1 Dec 1876	*Vesperugo (Vesperus) grandidieri* Dobson	*Pipistrellus grandidieri* (Dobson, 1876)
31 Dec 1876	*Nycteris macrotis* Dobson	*Nycteris macrotis* Dobson, 1876
31 Dec 1876	*Epomophorus macrocephalus* Peters	*Hypsignathus monstrosus* H. Allen, 1862
30 Apr 1877	*Nyctinomus [(Mormopterus)] albiventer* Dobson	*Mormopterus jugularis* (Peters, 1865)
30 Apr 1877	*Nyctinomus [(Nyctinomus)] cestoni* Dobson	*Tadarida ventralis* (Heuglin, 1861)
31 Dec 1877	*Dysopes talpinus* Heuglin	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
31 Dec 1877	*N[ycticejus] adovanus* Heuglin	*Nycticeinops schlieffenii* (Peters, 1859)
31 Dec 1877	*Nycticejus eriophorus* Heuglin	*Kerivoula eriophora* (Heuglin, 1877)
31 Dec 1877	*Nycticejus serratus* Heuglin	*Taphozous nudiventris* Cretzschmar, 1830
31 Dec 1877	*Rhinolophus macrocephalus* Heuglin	*Rhinolophus fumigatus* Rüppell, 1842
31 Dec 1877	*Rhinopoma cordofanicum* Heuglin	*Rhinopoma microphyllum* (Brünnich, 1782)
31 Dec 1877	*Taphozous maritimus* Heuglin	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
31 Dec 1877	*Vesperugo senarensis* Heuglin	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
31 Dec 1877	*Taphozoinae* Jerdon	*EMBALLONURIDAE* Gervais, 1855
31 Dec 1877	*Pteropus seychellensis* A. Milne-Edwards	*Pteropus seychellensis* A. Milne-Edwards, 1877
31 Dec 1877	*Triænops afer* Peters	*Triaenops afer* Peters, 1877
22 Jun 1878	*Myzopoda* A. Milne-Edwards and A. Grandidier	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
22 Jun 1878	*Myzopoda aurita* A. Milne-Edwards and A. Grandidier	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
30 Jun 1878	*Cynonycteris torquata* Dobson	*Myonycteris torquata* (Dobson, 1878)
30 Jun 1878	*Cynonycteris torquata* Dobson	*Myonycteris torquata torquata* (Dobson, 1878)

Publication date	Original Name	Current Name
30 Jun 1878	*Kerivoula africana* Dobson	*Kerivoula africana* Dobson, 1878
30 Jun 1878	*Kerivoula brunnea* Dobson	*Kerivoula lanosa* (A. Smith, 1847)
30 Jun 1878	*Nycteris æthiopica* Dobson	*Nycteris macrotis* Dobson, 1876
30 Jun 1878	*Plecotus ægyptiacus* Dobson	*Plecotus christii* Gray, 1838
30 Jun 1878	*Pteropus rodricensis* Dobson	*Pteropus rodricensis* Dobson, 1878
30 Jun 1878	*Vesperugo [(Vesperugo)] maderensis* Dobson	*Pipistrellus maderensis* (Dobson, 1878)
31 Dec 1878	*Mormopterus setiger* Peters	*Platymops setiger* (Peters, 1878)
31 Dec 1878	*Mormopterus setiger* Peters	*Platymops setiger setiger* (Peters, 1878)
31 Dec 1878	*Rhinolophus Hildebrandtii* Peters	*Rhinolophus hildebrandtii* Peters, 1878
30 Apr 1879	*Nyctinomus Bemmeleni* Jentink	*Chaerephon bemmeleni* (Jentink, 1879)
30 Apr 1879	*Taphozous Dobsoni* Jentink	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
30 Apr 1880	*Epomophorus minor* Dobson	*Epomophorus minor* Dobson, 1880
1 Aug 1880	*Kerivoula Smithii* Thomas	*Kerivoula smithii* Thomas, 1880
1 Aug 1880	*Vesperugo (Vesperus) brunneus* Thomas	*Neoromicia brunnea* (Thomas, 1880)
31 Dec 1880	*Pteropus comorensis* Wallace	*Pteropus seychellensis* A. Milne-Edwards, 1877
30 Apr 1881	*Leiponyx* Jentink	*Eidolon* Rafinesque, 1815
30 Apr 1881	*Leiponyx büttikoferi* Jentink	*Eidolon helvum helvum* (Kerr, 1792)
31 Dec 1881	*Phyllorhina tridens murraiana* Anderson	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
31 Dec 1881	*Scotophilus robustus* A. Milne-Edwards	*Scotophilus robustus* A. Milne-Edwards, 1881
31 Dec 1881	*Triænops Humbloti* A. Milne-Edwards	*Triaenops menamena* Goodman and Ranivo, 2009
31 Dec 1881	*Triænops rufus* A. Milne-Edwards	*Triaenops menamena* Goodman and Ranivo, 2009
31 Dec 1881	*Vesperus Humbloti* A. Milne-Edwards	*Neoromicia humbloti* (A. Milne-Edwards, 1881)
31 Dec 1881	*Nycteris Revoilii* Robin	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Dec 1882	*Liponyx* Forbes	*Eidolon* Rafinesque, 1815
27 Apr 1885	*Megaloglossus* Pagenstecher	*Megaloglossus* Pagenstecher, 1885
27 Apr 1885	*Megaloglossus woermanni* Pagenstecher	*Megaloglossus woermanni* Pagenstecher, 1885
22 May 1885	*Rhinolophus antinorii* Dobson	*Rhinolophus fumigatus* Rüppell, 1842
31 Dec 1885	*Taphozous perforatus var. assabensis* Monticelli	*Taphozous nudiventris* Cretzschmar, 1830
7 May 1887	*Phyllorhina commersonii var. marungensis* Noack	*Macronycteris vittatus* (Peters, 1852)
7 May 1887	*Scotophilus minimus* Noack	*Nycticeinops schlieffenii* (Peters, 1859)
25 Jul 1887	*Vesperugo (Vesperus) Innesi* Lataste	*Eptesicus bottae* (Peters, 1869)
31 Dec 1887	*Vespertiliavus* Schlosser	*Vespertiliavus* Schlosser, 1887
30 Apr 1888	*Epomophorus veldkampii* Jentink	*Nanonycteris veldkampii* (Jentink, 1888)
30 Apr 1888	*Vesperugo stampflii* Jentink	*Neoromicia nana* (Peters, 1852)
31 Dec 1888	*Necromanter* Lydekker	*Necromantis* Weithofer, 1887
31 Dec 1888	*Necromantis* Weithofer	*Necromantis* Weithofer, 1887
28 Feb 1889	*Chalinolobus congicus* Noack	*Glauconycteris argentata* (Dobson, 1875)
28 Feb 1889	*Vesperugo pagenstecheri* Noack	*Neoromicia nana* (Peters, 1852)
28 Feb 1889	*Vesperus damarensis* Noack	*Neoromicia capensis* (A. Smith, 1829)
28 Feb 1889	*Vesperus pusillus* Noack	*Neoromicia nana* (Peters, 1852)
31 Mar 1889	*Epomophorus Dobsonii* Bocage	*Epomophorus dobsonii* Bocage, 1889
31 Mar 1889	*Vesperus bicolor* Bocage	*Neoromicia tenuipinnis* (Peters, 1872)
31 Mar 1889	*Vesperus guineensis* Bocage	*Neoromicia guineensis* (Bocage, 1889)
1 Apr 1889	*Vesperugo (Vesperus) Rendalli* Thomas	*Neoromicia rendalli* (Thomas, 1889)
31 Dec 1889	*Gymnuridae* Ameghino	*MOLOSSIDAE* Gervais, 1856
31 Dec 1889	*PTETICA* Ameghino	*CHIROPTERA* Blumenbach, 1779
31 Dec 1889	*Cynonycteris brachycephala* Bocage	*Myonycteris brachycephala* (Bocage, 1889)
31 Dec 1889	*Miniopterus Newtoni* Bocage	*Miniopterus newtoni* Bocage, 1889
3 Feb 1890	*Scotophilus albofuscus* Thomas	*Scotoecus albofuscus* (Thomas, 1890)
1 Mar 1891	*Nyctinomus lobatus* Thomas	*Tadarida lobata* (Thomas, 1891)
1 Jun 1891	*Vesperugo (Vesperus) Moloneyi* Thomas	*Mimetillus moloneyi* (Thomas, 1891)
31 Aug 1891	*N(yctinomus) taeniotis* Thomas	*Tadarida ventralis* (Heuglin, 1861)
30 Sep 1891	*Phyllorhina commersoni var. thomensis* Bocage	*Macronycteris vittatus* (Peters, 1852)
31 Dec 1891	*Cerivoula* Blanford	*Kerivoula* Gray, 1842
31 Dec 1891	*Hipposideridae* Lydekker	*HIPPOSIDERIDAE* Lydekker, 1891
31 Dec 1891	*Hipposiderinae* Lydekker	*HIPPOSIDERIDAE* Lydekker, 1891
31 Dec 1891	*Trygenycteris* Lydekker	*Megaloglossus* Pagenstecher, 1885
19 Jan 1892	*Adelonycteris* H. Allen	*Eptesicus* Rafinesque, 1820
14 Jul 1893	*Pteropus aldabrensis* True	*Pteropus aldabrensis* True, 1893
23 Dec 1893	*Phyllorhina rubra* Noack	*Hipposideros ruber* (Noack, 1893)
31 Dec 1894	*Scotonycteris* Matschie	*Scotonycteris* Matschie, 1894
31 Dec 1894	*Scotonycteris zenkeri* Matschie	*Scotonycteris zenkeri* Matschie, 1894
5 Apr 1895	*Pteropus pteropus* Merriam	*Pteropus niger* (Kerr, 1792)
31 Oct 1897	*Nyctinomus martiensseni* Matschie	*Otomops martiensseni* (Matschie, 1897)
31 Oct 1897	*Nyctinomus martiensseni* Matschie	*Otomops martiensseni martiensseni* (Matschie, 1897)
1 Dec 1897	*Rhinolophus micaceus* de Winton	*Doryrhina cyclops* (Temminck, 1853)
31 Dec 1897	*midas* Schulze	*Tadarida teniotis* (Rafinesque, 1814)
31 Dec 1897	*[Nyctinomus (Nyctinomus) pumilus] Var. Major* Trouessart	*Chaerephon major* (Trouessart, 1897)

Publication date	Original Name	Current Name
31 Dec 1897	*[Vesperugo (Vesperus) serotinus] Var. Gabonensis* Trouessart	*Eptesicus isabellinus* (Temminck, 1840)
22 Jan 1898	*Rhinolophus Maclaudi* Pousargues	*Rhinolophus maclaudi* Pousargues, 1898
30 Jun 1898	*Cynonycteris Angolensis* Bocage	*Myonycteris angolensis angolensis* (Bocage, 1898)
30 Jun 1898	*Cynonycteris Angolensis* Bocage	*Myonycteris angolensis* (Bocage, 1898)
30 Jun 1898	*Epomophorus guineensis* Bocage	*Epomophorus gambianus gambianus* (Ogilby, 1835)
30 Jun 1898	*Epomophorus guineensis* Bocage	*Epomophorus gambianus* (Ogilby, 1835)
31 Dec 1898	*Phyllorhina angolensis* Seabra	*Hipposideros caffer* (Sundevall, 1846)
31 Dec 1898	*Rhinolophus angolensis* Seabra	*Rhinolophus lobatus* Peters, 1852
31 Dec 1898	*Miniopterae* Trouessart	*MINIOPTERIDAE* Dobson, 1875
31 Dec 1898	*Miomegaderma gaillardi* Trouessart	*Megaderma gaillardi* (Trouessart, 1898)
1 Nov 1899	*Scotophilus hirundo* de Winton	*Scotoecus hirundo* (de Winton, 1899)
1 Nov 1899	*Scotophilus nigritellus* de Winton	*Scotophilus viridis* (Peters, 1852)
31 Dec 1899	*Euvespertilio* Acloque	*Myotis* Kaup, 1829
31 Dec 1899	*Euvesperugo* Acloque	*Pipistrellus* Kaup, 1829
31 Dec 1899	*[Epomophorus (]Nanonycteris[)]* Matschie	*Nanonycteris* Matschie, 1899
31 Dec 1899	*[Xantharpyia (]Myonycteris[)]* Matschie	*Myonycteris* Matschie, 1899
31 Dec 1899	*Ep[omophorus (Epomophorus)] büttikoferi* Matschie	*Epomops buettikoferi* (Matschie, 1899)
31 Dec 1899	*Ep[omophorus (Epomophorus)] doriae* Matschie	*Epomophorus labiatus* (Temminck, 1837)
31 Dec 1899	*Ep[omophorus (Epomophorus)] neumanni* Matschie	*Epomophorus wahlbergi* (Sundevall, 1846)
31 Dec 1899	*Ep[omophorus (Epomophorus)] stuhlmanni* Matschie	*Epomophorus wahlbergi* (Sundevall, 1846)
31 Dec 1899	*Ep[omophorus (Epomophorus)] zechi* Matschie	*Epomophorus gambianus gambianus* (Ogilby, 1835)
31 Dec 1899	*Ep[omophorus (Epomophorus)] zenkeri* Matschie	*Epomophorus wahlbergi* (Sundevall, 1846)
31 Dec 1899	*Hypsignathus haldemani* Matschie	*Hypsignathus monstrosus* H. Allen, 1862
31 Dec 1899	*Micropteropus* Matschie	*Micropteropus* Matschie, 1899
31 Dec 1899	*Mynonycteris* Matschie	*Rousettus* Gray, 1821
31 Dec 1899	*Sericonycteris* Matschie	*Pteropus* Erxleben, 1777
31 Dec 1899	*Vespertilio venustus* Matschie	*Myotis welwitschii* (Gray, 1866)
31 Aug 1900	*Epomophorus anchietæ* Seabra	*Plerotes anchietae* (Seabra, 1900)
31 Aug 1900	*Nyctinomus Anchietæ* Seabra	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
31 Aug 1900	*Nyctinomus Bocagei* Seabra	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
31 Aug 1900	*Nyctinomus brunneus* Seabra	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
31 Aug 1900	*Vesperugo Anchieta* Seabra	*Hypsugo anchietae* (Seabra, 1900)
1 Dec 1900	*Mormopterus Whitleyi* Scharff	*Myopterus whitleyi* (Scharff, 1900)
28 Dec 1900	*Pipistrellus minusculus* Miller	*Neoromicia nana* (Peters, 1852)
31 Dec 1900	*Vesperugo (Vesperus) flavescens* Seabra	*Neoromicia flavescens* (Seabra, 1900)
1 Jan 1901	*Glauconycteris Floweri* de Winton	*Eptesicus floweri* (de Winton, 1901)
1 Jan 1901	*N(yctinomus) midas* de Winton	*Tadarida ventralis* (Heuglin, 1861)
1 Jan 1901	*Nyctinomus Emini* de Winton	*Chaerephon major* (Trouessart, 1897)
1 Jan 1901	*Nyctinomus gambianus* de Winton	*Chaerephon pumilus* (Cretzschmar, 1826)
1 Mar 1901	*Scotœcus* Thomas	*Scotoecus* Thomas, 1901
1 Mar 1901	*Scotœcus Hindei* Thomas	*Scotoecus hindei* Thomas, 1901
30 Apr 1901	*Kerivoula harrisoni* Thomas	*Kerivoula lanosa* (A. Smith, 1847)
1 May 1901	*Læphotis* Thomas	*Laephotis* Thomas, 1901
1 May 1901	*Læphotis Wintoni* Thomas	*Laephotis wintoni* Thomas, 1901
1 Jul 1901	*Clœotis* Thomas	*Cloeotis* Thomas, 1901
1 Jul 1901	*Clœotis Percivali* Thomas	*Cloeotis percivali* Thomas, 1901
1 Jul 1901	*Nycteris aethiopica luteola* Thomas	*Nycteris macrotis* Dobson, 1876
1 Jul 1901	*Pipistrellus Kuhlii fuscatus* Thomas	*Pipistrellus hesperidus hesperidus* (Temminck, 1840)
1 Jul 1901	*Pterygistes azoreum* Thomas	*Nyctalus azoreum* (Thomas, 1901)
1 Jul 1901	*Vespertilio minutus somalicus* Thomas	*Neoromicia somalica* (Thomas, 1901)
1 Jul 1901	*Vespertilio platyops* Thomas	*Eptesicus platyops* (Thomas, 1901)
1 Sep 1901	*Glauconycteris beatrix* Thomas	*Glauconycteris beatrix* Thomas, 1901
31 Dec 1901	*Euryalus* Matschie	*Rhinolophus* Lacépède, 1799
31 Dec 1901	*Rhinolophus mehelyi* Matschie	*Rhinolophus mehelyi* Matschie, 1901
31 Oct 1902	*Pipistrellus deserti* Thomas	*Pipistrellus kuhlii* (Kuhl, 1817)
16 Dec 1902	*Nyctinomus pusillus* Miller	*Chaerephon pusillus* (Miller, 1902)
31 Dec 1902	*Otonycteris petersi* Anderson	*Otonycteris hemprichii* Peters, 1859
31 Dec 1902	*Syndesmotus* Waterhouse	*Hipposideros* Gray, 1831
1 May 1903	*Rhinopoma cystops* Thomas	*Rhinopoma cystops* Thomas, 1903
29 May 1903	*Necronycteris* Palmer	*Necromantis* Weithofer, 1887
1 Nov 1903	*Nyctinomus cisturus* Thomas	*Chaerephon bemmeleni* (Jentink, 1879)
1 Nov 1903	*Nyctinomus demonstrator* Thomas	*Mops (Mops) demonstrator* (Thomas, 1903)
1 Nov 1903	*Nyctinomus fulminans* Thomas	*Tadarida fulminans* (Thomas, 1903)
1 Dec 1903	*Miniopterus inflatus* Thomas	*Miniopterus inflatus inflatus* Thomas, 1903
1 Dec 1903	*Miniopterus inflatus* Thomas	*Miniopterus inflatus* Thomas, 1903
1 Dec 1903	*Nycteris arge* Thomas	*Nycteris arge* Thomas, 1903
1 Dec 1903	*Nyctinomus thersites* Thomas	*Mops (Xiphonycteris) thersites* (Thomas, 1903)

Publication date	Original Name	Current Name
1 Mar 1904	*Myotis Hildegardeæ* Thomas	*Myotis bocagii bocagii* (Peters, 1870)
1 Mar 1904	*Nyctinomus hindei* Thomas	*Chaerephon pumilus* (Cretzschmar, 1826)
1 Mar 1904	*Pipistrellus crassulus* Thomas	*Hypsugo crassulus* (Thomas, 1904)
1 Mar 1904	*Scotophilus nigrita colias* Thomas	*Scotophilus dinganii* (A. Smith, 1833)
1 Mar 1904	*Scotophilus nigrita nux* Thomas	*Scotophilus nux* Thomas, 1904
8 Mar 1904	*Scotonycteris bedfordi* Thomas	*Scotonycteris zenkeri* Matschie, 1894
1 May 1904	*Hipposideros Commersoni mostellum* Thomas	*Macronycteris vittatus* (Peters, 1852)
1 May 1904	*Rhinolophus Denti* Thomas	*Rhinolophus denti* Thomas, 1904
1 Jun 1904	*Myotis Bocagei cupreolus* Thomas	*Myotis bocagii cupreolus* Thomas, 1904
1 Aug 1904	*Pipistrellus ariel* Thomas	*Hypsugo ariel* (Thomas, 1904)
1 Aug 1904	*Rhinolophus Andersoni* Thomas	*Rhinolophus clivosus* Cretzschmar, 1828
1 Aug 1904	*Rhinolophus Dobsoni* Thomas	*Rhinolophus landeri* Martin, 1838
31 Aug 1904	*Pipistrellus nanulus* Thomas	*Pipistrellus nanulus* Thomas, 1904
1 Oct 1904	*Myzopodidae* Thomas	*MYZOPODIDAE* Thomas, 1904
1 Nov 1904	*Rhinolophus augur* K. Andersen	*Rhinolophus clivosus* Cretzschmar, 1828
1 Nov 1904	*Rhinolophus augur zambesiensis* K. Andersen	*Rhinolophus clivosus* Cretzschmar, 1828
1 Nov 1904	*Rhinolophus augur zuluensis* K. Andersen	*Rhinolophus clivosus* Cretzschmar, 1828
1 Nov 1904	*Rhinolophus simulator* K. Andersen	*Rhinolophus simulator* K. Andersen, 1904
22 Nov 1904	*Mimetillus* Thomas	*Mimetillus* Thomas, 1904
1 Dec 1904	*Rhinolophus empusa* K. Andersen	*Rhinolophus blasii* Peters, 1867
15 Dec 1904	*Kehelvoulha* Jentink	*Kerivoula* Gray, 1842
31 Dec 1904	*E[uryalus] atlanticus* K. Andersen and Matschie	*Rhinolophus euryale* Blasius, 1853
31 Dec 1904	*E[uryalus] barbarus* K. Andersen and Matschie	*Rhinolophus mehelyi* Matschie, 1901
31 Dec 1904	*E[uryalus] Cabreræ* K. Andersen and Matschie	*Rhinolophus euryale* Blasius, 1853
31 Dec 1904	*E[uryalus] meridionalis* K. Andersen and Matschie	*Rhinolophus mehelyi* Matschie, 1901
31 Dec 1904	*Vespertilio Boscai* Cabrera	*Eptesicus isabellinus* (Temminck, 1840)
31 Dec 1904	*Vespertilio ochromixtus* Cabrera	*Hypsugo savii* (Bonaparte, 1837)
31 Dec 1904	*Epomophorus pousarguesi* Trouessart	*Epomophorus gambianus pousarguesi* Trouessart, 1904
1 Jan 1905	*Rhinolophus acrotis brachygnatus* K. Andersen	*Rhinolophus clivosus* Cretzschmar, 1828
1 Jan 1905	*Rhinolophus Darlingi* K. Andersen	*Rhinolophus darlingi* K. Andersen, 1905
1 Jan 1905	*Rhinolophus fumigatus exsul* K. Andersen	*Rhinolophus fumigatus* Rüppell, 1842
1 Jan 1905	*Rhinolophus Hildebrandti eloquens* K. Andersen	*Rhinolophus eloquens* K. Andersen, 1905
1 Jan 1905	*Glauconycteris papilio* Thomas	*Glauconycteris variegata* (Tomes, 1861)
10 Aug 1905	*Vespertilio capensis gracilior* Thomas and Schwann	*Neoromicia capensis* (A. Smith, 1829)
10 Aug 1905	*Vespertilio matroka* Thomas and Schwann	*Neoromicia matroka* (Thomas and Schwann, 1905)
30 Sep 1905	*Rhinolophus andreinii* Senna	*Rhinolophus blasii* Peters, 1867
7 Oct 1905	*Rhinolophus hipposiderus typicus* K. Andersen	*Rhinolophus hipposideros* (Bechstein, 1800)
1 Nov 1905	*Eomops* Thomas	*Myopterus* E. Geoffroy St.-Hilaire, 1818
9 Dec 1905	*Lavia rex* Miller	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
1 Jan 1906	*H[ipposiderus]. gigas gambiensis* K. Andersen	*Macronycteris gigas* (Wagner, 1845)
1 Jan 1906	*Pterygistes madeiræ* Barrett-Hamilton	*Nyctalus leisleri* (Kuhl, 1817)
1 Feb 1906	*Miniopterus Majori* Thomas	*Miniopterus majori* Thomas, 1906
1 Feb 1906	*Miniopterus manavi* Thomas	*Miniopterus manavi* Thomas, 1906
1 Feb 1906	*Scotophilus damarensis* Thomas	*Scotophilus leucogaster* (Cretzschmar, 1826)
1 Feb 1906	*Scotophilus nigrita herero* Thomas	*Scotophilus dinganii* (A. Smith, 1833)
1 Mar 1906	*Hipposiderus beatus* K. Andersen	*Hipposideros beatus* (K. Andersen, 1906)
1 Mar 1906	*Hipposiderus caffer centralis* K. Andersen	*Hipposideros ruber* (Noack, 1893)
1 Mar 1906	*Hipposiderus caffer guineensis* K. Andersen	*Hipposideros ruber* (Noack, 1893)
1 May 1906	*Platymops* Thomas	*Platymops* Thomas, 1906
1 May 1906	*Platymops Macmillani* Thomas	*Platymops setiger macmillani* Thomas, 1906
4 Jun 1906	*Pizonyx* Miller	*Myotis* Kaup, 1829
4 Jun 1906	*Rhinopterus* Miller	*Eptesicus* Rafinesque, 1820
7 Jun 1906	*Miniopterus fraterculus* Thomas and Schwann	*Miniopterus fraterculus* Thomas and Schwann, 1906
30 Jun 1906	*Hipposiderus tephrus* Cabrera	*Hipposideros tephrus* (Cabrera, 1906)
1 Aug 1906	*Rousettus lanosus* Thomas	*Stenonycteris lanosus* (Thomas, 1906)
1 Oct 1906	*Kerivoula muscilla* Thomas	*Kerivoula lanosa* (A. Smith, 1847)
21 Jan 1907	*Nyctinomus aloysii-sabaudiae* Festa	*Chaerephon aloysiisabaudiae* (Festa, 1907)
1 Feb 1907	*Lavia frons affinis* K. Andersen and Wroughton	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
26 Feb 1907	*Triaenops furcula* Trouessart	*Paratriaenops furculus* (Trouessart, 1907)
29 Jun 1907	*Diclidurinae* Miller	*EMBALLONURIDAE* Gervais, 1855

Publication date	Original Name	Current Name
29 Jun 1907	*Kerivoulinae* Miller	*Kerivoulinae* Miller, 1907
29 Jun 1907	*Rhinopomidae* Miller	*RHINOPOMATIDAE* Dobson, 1872
1 Sep 1907	*Pteropus mascarinus* Mason	*Pteropus rodricensis* Dobson, 1878
1 Dec 1907	*Plecotus teneriffae* Barrett-Hamilton	*Plecotus teneriffae* Barrett-Hamilton, 1907
30 Apr 1908	*Rhinolophus swinnyi* Gough	*Rhinolophus swinnyi* Gough, 1908
31 Jul 1908	*Scabrifer* G.M. Allen	*Neoromicia* Roberts, 1926
31 Jul 1908	*Scabrifer notius* G.M. Allen	*Neoromicia capensis* (A. Smith, 1829)
1 Oct 1908	*Pteropus rufus princeps* K. Andersen	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1 Oct 1908	*Nyctinomus leonis* Thomas	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
1 Oct 1908	*Rousettus smithii* Thomas	*Myonycteris angolensis smithii* (Thomas, 1908)
30 Oct 1908	*Scoteinus schlieffeni albiventer* Thomas and Wroughton	*Nycticeinops schlieffenii* (Peters, 1859)
30 Oct 1908	*Scoteinus schlieffeni australis* Thomas and Wroughton	*Nycticeinops schlieffenii* (Peters, 1859)
30 Oct 1908	*Scoteinus schlieffeni bedouin* Thomas and Wroughton	*Nycticeinops schlieffenii* (Peters, 1859)
1 Nov 1908	*Myonycteris leptodon* K. Andersen	*Myonycteris leptodon* K. Andersen, 1908
1 Nov 1908	*Myonycteris wroughtoni* K. Andersen	*Myonycteris torquata wroughtoni* K. Andersen, 1908
1 Dec 1908	*Chœrephon websteri* Dollman	*Chaerephon leucogaster* (A. Grandidier, 1869)
31 Dec 1908	*Rousettus sjöstedti* Lönnberg	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1908	*Pteropus comorensis* Nicoll	*Pteropus seychellensis* A. Milne-Edwards, 1877
1 Aug 1909	*Taphozous hildegardeæ* Thomas	*Taphozous hildegardeae* Thomas, 1909
31 Oct 1909	*Pteropus (Spectrum) voeltzkowi* Matschie	*Pteropus voeltzkowi* Matschie, 1909
1 Nov 1909	*Miniopterus breyeri* Jameson	*Miniopterus natalensis* (A. Smith, 1833)
1 Dec 1909	*Rousettus kempi* Thomas	*Stenonycteris lanosus* (Thomas, 1906)
1 Dec 1909	*Scotœcus albigula* Thomas	*Scotoecus albigula* Thomas, 1909
31 Dec 1909	*Otonycteris cinereus* Satunin	*Otonycteris hemprichii* Peters, 1859
1 Jan 1910	*Epomops franqueti strepitans* K. Andersen	*Epomops franqueti* (Tomes, 1860)
1 Jan 1910	*Plerotes* K. Andersen	*Plerotes* K. Andersen, 1910
1 Feb 1910	*Rhinolophus brockmani* Thomas	*Rhinolophus blasii* Peters, 1867
1 Jul 1910	*Casinycteris* Thomas	*Casinycteris* Thomas, 1910
1 Jul 1910	*Casinycteris argynnis* Thomas	*Casinycteris argynnis* Thomas, 1910
31 Dec 1910	*Chrysopteron* Jentink	*Myotis* Kaup, 1829
31 Dec 1910	*Petaliidæ* Miller	*NYCTERIDAE* Van der Hoeven, 1855
31 Dec 1910	*Vampyravus* Schlosser	*Vampyravus* Schlosser, 1910
31 Dec 1910	*Vampyravus orientalis* Schlosser	*Vampyravus orientalis* Schlosser, 1910
31 Dec 1910	*Rhinolophus blasiusi* Trouessart	*Rhinolophus blasii* Peters, 1867
1 Feb 1911	*Xiphonycteris* Dollman	*Mops (Xiphonycteris)* Dollman, 1911
1 Feb 1911	*Xiphonycteris spurrelli* Dollman	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
29 Apr 1911	*Pipistrellus culex* Thomas	*Neoromicia nana* (Peters, 1852)
1 Oct 1911	*Chærephon emini* Wroughton	*Mops (Mops) condylurus* (A. Smith, 1833)
31 Dec 1911	*Eptesicus phasma* G.M. Allen	*Neoromicia rendalli* (Thomas, 1889)
31 Dec 1911	*Nycticeius africanus* G.M. Allen	*Nycticeinops schlieffenii* (Peters, 1859)
31 Dec 1911	*Provampyrus* Schlosser	*Vampyravus* Schlosser, 1910
31 Dec 1911	*Provampyrus orientalis* Schlosser	*Vampyravus orientalis* Schlosser, 1910
25 Jan 1912	*Triænops aurita* G. Grandidier	*Paratriaenops auritus* (G. Grandidier, 1912)
23 Mar 1912	*Cynopterinae* K. Andersen	*Pteropodinae* Gray, 1821
23 Mar 1912	*Epomophorinae* K. Andersen	*Rousettinae* Andersen, 1912
23 Mar 1912	*Pteropinae* K. Andersen	*Pteropodinae* Gray, 1821
23 Mar 1912	*Rousettinae* K. Andersen	*Rousettinae* Andersen, 1912
1 Jul 1912	*Kerivoula cuprosa* Thomas	*Kerivoula cuprosa* Thomas, 1912
1 Aug 1912	*Cistugo* Thomas	*Cistugo* Thomas, 1912
1 Aug 1912	*Cistugo seabræ* Thomas	*Cistugo seabrae* Thomas, 1912
1 Sep 1912	*Kerivoula phalæna* Thomas	*Kerivoula phalaena* Thomas, 1912
1 Nov 1912	*Petalia aurita* K. Andersen	*Nycteris aurita* (K. Andersen, 1912)
1 Nov 1912	*Petalia damarensis brockmani* K. Andersen	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1 Nov 1912	*Petalia damarensis media* K. Andersen	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1 Nov 1912	*Petalia gambiensis* K. Andersen	*Nycteris gambiensis* (K. Andersen, 1912)
1 Nov 1912	*Petalia major* K. Andersen	*Nycteris major* (K. Andersen, 1912)
1 Nov 1912	*Petalia nana* K. Andersen	*Nycteris nana* (K. Andersen, 1912)
4 Nov 1912	*Miniopterus natalensis arenarius* Heller	*Miniopterus natalensis* (A. Smith, 1833)
4 Nov 1912	*Pipistrellus aero* Heller	*Pipistrellus aero* Heller, 1912
4 Nov 1912	*Pipistrellus helios* Heller	*Neoromicia helios* (Heller, 1912)
1 Jan 1913	*Glauconycteris egeria* Thomas	*Glauconycteris egeria* Thomas, 1913
6 Feb 1913	*Rhinolophus swinnyi piriensis* Hewitt	*Rhinolophus swinnyi* Gough, 1908
1 Mar 1913	*Chærephon nigeriæ* Thomas	*Chaerephon nigeriae nigeriae* Thomas, 1913
1 Mar 1913	*Chærephon nigeriæ* Thomas	*Chaerephon nigeriae* Thomas, 1913
1 Mar 1913	*Nyctinomus ansorgei* Thomas	*Chaerephon ansorgei* (Thomas, 1913)
1 Mar 1913	*Pipistrellus fuscipes* Thomas	*Pipistrellus rueppellii fuscipes* Thomas, 1913
1 Mar 1913	*Pipistrellus musciculus* Thomas	*Hypsugo musciculus* (Thomas, 1913)
1 Mar 1913	*Rhinolophus foxi* Thomas	*Rhinolophus fumigatus* Rüppell, 1842
30 Apr 1913	*Otomops* Thomas	*Otomops* Thomas, 1913
20 Oct 1913	*Pipistrellus nanus australis* Roberts	*Neoromicia nana* (Peters, 1852)

Publication date	Original Name	Current Name
27 Mar 1914	*Rhinolophus bembanicus* Senna	*Rhinolophus simulator* K. Andersen, 1904
1 Jun 1914	*Nycteris woodi* K. Andersen	*Nycteris woodi* K. Andersen, 1914
31 Jul 1914	*Scotophilus altilis* G.M. Allen	*Scotophilus leucogaster* (Cretzschmar, 1826)
31 Dec 1914	*acrotis* G.M. Allen	*Rhinolophus fumigatus* Rüppell, 1842
31 Dec 1914	*Noctulinia* Cabrera	*Nyctalus* Bowdich, 1825
1 Jun 1915	*C[oleura] g[allarum] nilosa* Thomas	*Coleura afra* (Peters, 1852)
1 Jun 1915	*C[oleura] gallarum* Thomas	*Coleura afra* (Peters, 1852)
1 Jun 1915	*C[oleura] silhouettæ* Thomas	*Coleura seychellensis* Peters, 1868
1 Jun 1915	*Glauconycteris phalæna* Thomas	*Glauconycteris variegata* (Tomes, 1861)
1 Jun 1915	*Rhinopterus lowei* Thomas	*Eptesicus floweri* (de Winton, 1901)
1 Jun 1915	*Taphozous Sudani* Thomas	*Taphozous perforatus sudani* Thomas, 1915
30 Sep 1915	*Taphozous perforatus hædinus* Thomas	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
1 Nov 1915	*Scotoecus falabæ* Thomas	*Scotoecus hindei* Thomas, 1901
1 Dec 1915	*Myopterus albatus* Thomas	*Myopterus daubentonii* Desmarest, 1820
10 Feb 1916	*Chaerephon pumilus naivashæ* Hollister	*Chaerephon pumilus* (Cretzschmar, 1826)
10 Feb 1916	*Eptesicus ugandæ* Hollister	*Neoromicia somalica* (Thomas, 1901)
10 Feb 1916	*Rhinolophus keniensis* Hollister	*Rhinolophus clivosus* Cretzschmar, 1828
31 Dec 1916	*Eptesicus rectitragus* Wettstein	*Neoromicia guineensis* (Bocage, 1889)
31 Dec 1916	*Nyctinomus (Nyctinomus) tongaënsis* Wettstein	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
31 Dec 1916	*Scotoecus cinnamomeus* Wettstein	*Nycticeinops schlieffenii* (Peters, 1859)
1 Mar 1917	*Scotoecus woodi* Thomas	*Scotoecus albofuscus* (Thomas, 1890)
16 May 1917	*Clœotis percivali australis* Roberts	*Cloeotis percivali* Thomas, 1901
21 May 1917	*Otomops icarus* Chubb	*Otomops martiensseni icarus* Chubb, 1917
28 Jun 1917	*Platymops* Roberts	*Sauromys* Roberts, 1917
28 Jun 1917	*Platymops (Sauromys)* Roberts	*Sauromys* Roberts, 1917
28 Jun 1917	*Platymops haagneri* Roberts	*Sauromys petrophilus haagneri* (Roberts, 1917)
28 Jun 1917	*Platymops petrophilus* Roberts	*Sauromys petrophilus* (Roberts, 1917)
29 Sep 1917	*Rhinolophus axillaris* Allen	*Rhinolophus landeri* Martin, 1838
29 Sep 1917	*Allomops* J.A. Allen	*Mops (Mops)* Lesson, 1842
29 Sep 1917	*Chærephon (Lophomops)* J.A. Allen	*Chaerephon* Dobson, 1874
29 Sep 1917	*Chærephon (Lophomops) abæ* J.A. Allen	*Chaerephon major* (Trouessart, 1897)
29 Sep 1917	*Chærephon (Lophomops) chapini* J.A. Allen	*Chaerephon chapini* J.A. Allen, 1917
29 Sep 1917	*Chærephon (Lophomops) cristatus* J.A. Allen	*Chaerephon leucogaster* (A. Grandidier, 1869)
29 Sep 1917	*Chærephon frater* J.A. Allen	*Chaerephon leucogaster* (A. Grandidier, 1869)
29 Sep 1917	*Chærephon russatus* J.A. Allen	*Chaerephon russatus* J.A. Allen, 1917
29 Sep 1917	*Eptesicus ater* J.A. Allen	*Neoromicia tenuipinnis* (Peters, 1872)
29 Sep 1917	*Eptesicus faradjius* J.A. Allen	*Neoromicia rendalli* (Thomas, 1889)
29 Sep 1917	*Eptesicus garambæ* J.A. Allen	*Neoromicia capensis* (A. Smith, 1829)
29 Sep 1917	*Glauconycteris alboguttatus* J.A. Allen	*Glauconycteris alboguttata* J.A. Allen, 1917
29 Sep 1917	*Glauconycteris humeralis* J.A. Allen	*Glauconycteris humeralis* J.A. Allen, 1917
29 Sep 1917	*Hipposideros abæ* J.A. Allen	*Hipposideros abae* J.A. Allen, 1917
29 Sep 1917	*Hipposideros caffer niapu* J.A. Allen	*Hipposideros ruber* (Noack, 1893)
29 Sep 1917	*Hipposideros gigas niangaræ* J.A. Allen	*Macronycteris gigas* (Wagner, 1845)
29 Sep 1917	*Hipposideros langi* J.A. Allen	*Doryrhina cyclops* (Temminck, 1853)
29 Sep 1917	*Hipposideros nanus* J.A. Allen	*Hipposideros caffer* (Sundevall, 1846)
29 Sep 1917	*Miniopterus breyeri vicinior* J.A. Allen	*Miniopterus fraterculus* Thomas and Schwann, 1906
29 Sep 1917	*Mops (Allomops) faradjius* J.A. Allen	*Mops (Mops) demonstrator* (Thomas, 1903)
29 Sep 1917	*Mops (Allomops) nanulus* J.A. Allen	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
29 Sep 1917	*Mops (Allomops) occipitalis* J.A. Allen	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
29 Sep 1917	*Mops (Allomops) osborni* J.A. Allen	*Mops (Mops) condylurus* (A. Smith, 1833)
29 Sep 1917	*Mops congicus* J.A. Allen	*Mops (Mops) congicus* J.A. Allen, 1917
29 Sep 1917	*Mops niangaræ* J.A. Allen	*Mops (Mops) niangarae* J.A. Allen, 1917
29 Sep 1917	*Mops trevori* J.A. Allen	*Mops (Mops) trevori* J.A. Allen, 1917
29 Sep 1917	*Nycteris avakubia* J.A. Allen	*Nycteris major* (K. Andersen, 1912)
29 Sep 1917	*Nycteris pallida* J.A. Allen	*Nycteris hispida* (Schreber, 1774)
29 Sep 1917	*Nyctinomus ochraceus* J.A. Allen	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
29 Sep 1917	*Pipistrellus abaensis* J.A. Allen	*Neoromicia nana* (Peters, 1852)
29 Sep 1917	*Rhinolophus abæ* J.A. Allen	*Rhinolophus fumigatus* Rüppell, 1842
31 Dec 1917	*Nycteris major* J.A. Allen	*Nycteris macrotis* Dobson, 1876
31 Dec 1917	*Dichromyotis* Bianchi	*Myotis* Kaup, 1829
31 Dec 1917	*Megapipistrellus* Bianchi	*Myotis* Kaup, 1829
31 Dec 1917	*Paramyotis* Bianchi	*Myotis* Kaup, 1829
31 Dec 1917	*Pareptesicus* Bianchi	*Eptesicus* Rafinesque, 1820
31 Dec 1917	*Rhyneptesicus* Bianchi	*Eptesicus* Rafinesque, 1820
31 Dec 1917	*Rickettia* Bianchi	*Myotis* Kaup, 1829
31 Dec 1917	*Palaeophyllophora* Revilliod	*Palaeophyllophora* Revilliod, 1917
27 Feb 1918	*Chaerephon leucostigma* G.M. Allen	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
1 Oct 1918	*[Rhinolophus hipposideros] escaleræ* K. Andersen	*Rhinolophus hipposideros* (Bechstein, 1800)
1 Oct 1918	*Asellia tridens diluta* K. Andersen	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
31 Dec 1919	*Cistugo lesueuri* Roberts	*Cistugo lesueuri* Roberts, 1919

Publication date	Original Name	Current Name
31 Dec 1919	*Eptesicus melckorum* Roberts	*Neoromicia capensis* (A. Smith, 1829)
1 Jan 1920	*Taphozous hamiltoni* Thomas	*Taphozous hamiltoni* Thomas, 1920
1 Aug 1920	*Kerivoula lucia* Hinton	*Kerivoula lanosa* (A. Smith, 1847)
1 Aug 1920	*Mimetillus thomasi* Hinton	*Mimetillus thomasi* Hinton, 1920
31 Dec 1920	*Rousettus (Lissonycteris) crypticola* Cabrera	*Myonycteris angolensis* (Bocage, 1898)
1 Apr 1921	*Rousettus* Gray	*Rousettus* Gray, 1821
31 Dec 1921	*Hipposideros curtus* G.M. Allen	*Hipposideros curtus* G.M. Allen, 1921
28 Feb 1922	*Rhinolophus hildebrandti perauritus* de Beaux	*Rhinolophus eloquens* K. Andersen, 1905
1 Mar 1922	*Liponycteris* Thomas	*Taphozous* E. Geoffroy St.-Hilaire, 1818
1 Jul 1922	*Kerivoula lueia* Kershaw	*Kerivoula lanosa* (A. Smith, 1847)
1 Aug 1922	*Nycteris oriana* Kershaw	*Nycteris macrotis* Dobson, 1876
6 Jul 1923	*Pipistrellus marrensis* Thomas and Hinton	*Pipistrellus rusticus* (Tomes, 1861)
31 Jul 1923	*Petalia (Nycteris) thebaica aurantiaca* de Beaux	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
31 Jul 1923	*Scotoecus artinii* de Beaux	*Scotoecus hirundo* (de Winton, 1899)
1 Oct 1923	*Nycteris marica* Kershaw	*Nycteris grandis* Peters, 1865
31 Jan 1924	*Eptesicus zuluensis* Roberts	*Neoromicia zuluensis* (Roberts, 1924)
31 Jan 1924	*Kerivoula nidicola zuluensis* Roberts	*Kerivoula argentata* Tomes, 1861
31 Jan 1924	*Rhinolophus darlingi barbertonensis* Roberts	*Rhinolophus darlingi* K. Andersen, 1905
28 Feb 1924	*Petalia parisii* de Beaux	*Nycteris parisii* (de Beaux, 1924)
31 Dec 1924	*Otonycteris jin* Cheesman and Hinton	*Otonycteris hemprichii* Peters, 1859
31 Dec 1924	*Hipposideros caffer aurantiaca* de Beaux	*Hipposideros caffer* (Sundevall, 1846)
31 Dec 1924	*Eptesicus loveni* Granvik	*Myotis tricolor* (Temminck, 1832)
14 May 1925	*Nycteris proxima* Lönnberg and Gyldenstolpe	*Nycteris grandis* Peters, 1865
29 Apr 1926	*Chaerephon (Lophomops) shortridgei* Thomas	*Chaerephon chapini* J.A. Allen, 1917
29 Apr 1926	*Pipistrellus fouriei* Thomas	*Neoromicia nana* (Peters, 1852)
1 May 1926	*Mops angolensis niveiventer* Cabrera and Ruxton	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
14 Sep 1926	*Chaerophon pumilus elphicki* Roberts	*Chaerephon pumilus* (Cretzschmar, 1826)
14 Sep 1926	*Eptesicops* Roberts	*Pipistrellus* Kaup, 1829
14 Sep 1926	*Neoromicia* Roberts	*Neoromicia* Roberts, 1926
1 May 1927	*Myotis scotti* Thomas	*Myotis scotti* Thomas, 1927
12 Jul 1927	*Miniopterus smitianus* Thomas	*Miniopterus natalensis* (A. Smith, 1833)
10 Dec 1928	*Chærophon (Lophomops) nigri* Hatt	*Chaerephon leucogaster* (A. Grandidier, 1869)
31 Dec 1929	*Rousettus madagascariensis* G. Grandidier	*Rousettus madagascariensis* G. Grandidier, 1929
31 Dec 1929	*Anamygdon* Troughton	*Myotis* Kaup, 1829
6 Jun 1931	*Asellia patrizii* de Beaux	*Asellia patrizii* de Beaux, 1931
6 Jun 1931	*Asellia tridens italo-somalica* de Beaux	*Asellia italosomalica* de Beaux, 1931
31 Dec 1931	*Tuitatus* Kishida and Mori	*Eptesicus* Rafinesque, 1820
0 Oct 1932	*Neoromicia vansoni* Roberts	*Neoromicia zuluensis* (Roberts, 1924)
1 Oct 1932	*Choerephon (Lophomops) langi* Roberts	*Chaerephon pumilus* (Cretzschmar, 1826)
1 Oct 1932	*Eptesicus capensis nkatiensis* Roberts	*Neoromicia capensis* (A. Smith, 1829)
1 Oct 1932	*Pipistrellus vernayi* Roberts	*Pipistrellus rueppellii vernayi* Roberts, 1932
1 Oct 1932	*Scoteinus schlieffenii fitzsimonsi* Roberts	*Nycticeinops schlieffenii* (Peters, 1859)
31 Dec 1933	*Mimetillus berneri* Monard	*Mimetillus thomasi* Hinton, 1920
31 Dec 1933	*Nyctinomus spillmanni* Monard	*Chaerephon nigeriae spillmanni* (Monard, 1933)
31 Dec 1933	*Pipistrellus leucomelas* Monard	*Pipistrellus rueppellii vernayi* Roberts, 1932
30 Nov 1934	*Rhinolophus acrotis schwarzi* Heim de Balsac	*Rhinolophus clivosus* Cretzschmar, 1828
31 Dec 1934	*Austronomus* Iredale and Troughton	*Tadarida* Rafinesque, 1814
31 Dec 1935	*Laephotis angolensis* Monard	*Laephotis angolensis* Monard, 1935
30 Jan 1936	*Nycteris nana tristis* G.M. Allen and Lawrence	*Nycteris nana* (K. Andersen, 1912)
15 Aug 1936	*Miniopterus africanus* Sanborn	*Miniopterus africanus* Sanborn, 1936
15 Aug 1936	*Miniopterus rufus* Sanborn	*Miniopterus inflatus rufus* Sanborn, 1936
15 Aug 1936	*Mops angolensis wonderi* Sanborn	*Mops (Mops) condylurus* (A. Smith, 1833)
15 Aug 1936	*Rhinolophus alcyone alticolus* Sanborn	*Rhinolophus simulator* K. Andersen, 1904
31 Dec 1936	*P[ipistrellus] k[uhlii] pallidus* Heim de Balsac	*Pipistrellus kuhlii* (Kuhl, 1817)
31 Dec 1936	*Plecotus auritus saharae* Laurent	*Otonycteris hemprichii* Peters, 1859
28 Feb 1937	*Rhinolophus hipposideros vespa* Laurent	*Rhinolophus hipposideros* (Bechstein, 1800)
17 Apr 1937	*Eptesicus capensis angolensis* J.Eric Hill	*Pipistrellus grandidieri* (Dobson, 1876)
17 Apr 1937	*Mops chitauensis* J.Eric Hill	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
1 May 1937	*R[hinopoma] cystops macinnesi* Hayman	*Rhinopoma macinnesi* Hayman, 1937
30 Sep 1937	*Hipposideros sandersoni* Sanderson	*Hipposideros curtus* G.M. Allen, 1921
30 Nov 1937	*Nycteris madagascariensis* G. Grandidier	*Nycteris madagascariensis* G. Grandidier, 1937
31 Dec 1937	*[Pipistrellus Kühli] latastei* Laurent	*Pipistrellus kuhlii* (Kuhl, 1817)
31 Dec 1937	*Asellia tridens pallida* Laurent	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)

Publication date	Original Name	Current Name
1 Apr 1938	*Chærephon lancasteri* Hayman	*Chaerephon chapini* J.A. Allen, 1917
31 Jul 1938	*Platymops haagneri umbratus* Shortridge and Carter	*Sauromys petrophilus umbratus* (Shortridge & Carter, 1938)
31 Jul 1938	*Scotophilus angusticeps* Shortridge and Carter	*Eptesicus hottentotus* (A. Smith, 1833)
1 Feb 1939	*Glauconycteris superba* Hayman	*Glauconycteris superba* Hayman, 1939
31 Mar 1939	*Coleura kummeri* Monard	*Coleura afra* (Peters, 1852)
31 Mar 1939	*Hipposideros braima* Monard	*Hipposideros tephrus* (Cabrera, 1906)
31 Mar 1939	*Hipposideros gigas viegasi* Monard	*Macronycteris gigas* (Wagner, 1845)
31 Mar 1939	*Mops osborni occidentalis* Monard	*Mops (Mops) condylurus* (A. Smith, 1833)
31 Mar 1939	*Mops osborni occidentalis f. fulva* Monard	*Mops (Mops) condylurus* (A. Smith, 1833)
31 Mar 1939	*Nycteris æthiopica guineensis* Monard	*Nycteris macrotis* Dobson, 1876
31 Mar 1939	*Nycteris æthiopica guineensis f. aurantiaca* Monard	*Nycteris macrotis* Dobson, 1876
19 Sep 1939	*Rhinolophus aethiops diversus* Sanborn	*Rhinolophus fumigatus* Rüppell, 1842
31 Dec 1939	*Mops rüppellii* Allen	*Tadarida ventralis* (Heuglin, 1861)
31 Jan 1940	*Mops calabarensis* Hayman	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
31 Dec 1941	*[Triaenops] furinea* Tate	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
31 Dec 1941	*Coelopsinae* Tate	*HIPPOSIDERIDAE* Lydekker, 1891
31 Dec 1941	*Myotini* Tate	*VESPERTILIONIDAE* Gray, 1821
31 Dec 1941	*Austronomus* Troughton	*Tadarida* Rafinesque, 1814
31 Dec 1941	*Rhinophyllotis* Troughton	*Rhinolophus* Lacépède, 1799
28 Feb 1942	*Mops angolensis orientis* G.M. Allen and Loveridge	*Mops (Mops) condylurus* (A. Smith, 1833)
28 Jul 1942	*Rhinolophus ruwenzorii* J. Eric Hill	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
31 Dec 1942	*Eptesicus megalurus pallidior* Shortridge	*Eptesicus hottentotus* (A. Smith, 1833)
31 Dec 1942	*Myotinae* Tate	*Myotinae* Tate, 1942
31 Dec 1943	*Scotonycteris ophiodon* Pohle	*Casinycteris ophiodon* (Pohle, 1943)
19 Sep 1946	*Scotonycteris ophiodon cansdalei* Hayman	*Casinycteris ophiodon* (Pohle, 1943)
31 Dec 1946	*Eptesicus hottentotus bensoni* Roberts	*Eptesicus hottentotus* (A. Smith, 1833)
31 Dec 1946	*Nycteris woodi sabiensis* Roberts	*Nycteris woodi* K. Andersen, 1914
31 Dec 1946	*Nyctinomus mastersoni* Roberts	*Tadarida fulminans* (Thomas, 1903)
31 Dec 1946	*Nyctinomus rhodesiae* Roberts	*Chaerephon ansorgei* (Thomas, 1913)
31 Dec 1946	*Platymops petrophilus erongensis* Roberts	*Sauromys petrophilus erongensis* (Roberts, 1946)
31 Dec 1946	*Platymops petrophilus fitzsimonsi* Roberts	*Sauromys petrophilus umbratus* (Shortridge & Carter, 1938)
31 Dec 1946	*Rhinolophus darlingi damarensis* Roberts	*Rhinolophus damarensis* Roberts, 1946
31 Dec 1946	*Rhinolophus swinnyi rhodesiae* Roberts	*Rhinolophus rhodesiae* Roberts, 1946
31 Dec 1946	*Scotophilus nigrita pondoensis* Roberts	*Scotophilus dinganii* (A. Smith, 1833)
31 Dec 1946	*Vansonia* Roberts	*Pipistrellus* Kaup, 1829
25 Jun 1947	*Scotonycteris zenkeri occidentalis* Hayman	*Scotonycteris occidentalis* Hayman, 1947
7 Aug 1947	*Glauconycteris superba sheila* Hayman	*Glauconycteris superba* Hayman, 1939
19 Nov 1947	*Hipposideros jonesi* Hayman	*Hipposideros jonesi* Hayman, 1947
31 Dec 1948	*Pipistrellus (Romicia) kuhlii broomi* Roberts	*Pipistrellus hesperidus broomi* Roberts, 1948
29 Nov 1950	*Micropteropus grandis* Sanborn	*Epomophorus grandis* (Sanborn, 1950)
31 Dec 1950	*Epomophorus reii* Aellen	*Epomophorus gambianus gambianus* (Ogilby, 1835)
31 Dec 1950	*Epomophorus reii* Aellen	*Epomophorus labiatus* (Temminck, 1837)
22 Dec 1951	*Tadarida (Chaerephon) faini* Hayman	*Chaerephon pumilus* (Cretzschmar, 1826)
31 Dec 1951	*Rhinomegalophus* Bourret	*Rhinolophus* Lacépède, 1799
31 Dec 1952	*Nycteris benuensis* Aellen	*Nycteris parisii* (de Beaux, 1924)
31 Dec 1953	*Otomops madagascariensis* Dorst	*Otomops madagascariensis* Dorst, 1953
31 Dec 1954	*Hipposideros marisae* Aellen	*Hipposideros marisae* Aellen, 1954
31 Dec 1954	*Vespertilio brevicauda* Stresemann	*Rhinopoma cystops* Thomas, 1903
31 Dec 1954	*Vespertilio ferox* Stresemann	*Rhinopoma cystops* Thomas, 1903
31 Dec 1955	*Rhinolophus euryale tuneti* Deleuil and Labbé	*Rhinolophus mehelyi* Matschie, 1901
18 Dec 1956	*Platymops barbatogularis* Harrison	*Platymops setiger macmillani* Thomas, 1906
27 Dec 1956	*Hipposideros camerunensis* Eisentraut	*Hipposideros camerunensis* Eisentraut, 1956
31 Dec 1956	*Miniopterus inflatus villiersi* Aellen	*Miniopterus schreibersii* (Kuhl, 1817)
31 Dec 1957	*Pipistrellus (Pipistrellus) permixtus* Aellen	*Pipistrellus permixtus* Aellen, 1957
31 Dec 1957	*Saccolaimus incognita* Butler and Hopwood	*Taphozous incognita* (Butler & Hopwood, 1957)
31 Dec 1957	*Hipposideros beatus maximus* Verschuren	*Hipposideros beatus* (K. Andersen, 1906)
15 Dec 1958	*Taphozous perforatus swirae* Harrison	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
31 Dec 1958	*Hesperomyotis* Cabrera	*Myotis* Kaup, 1829
30 Apr 1959	*Miniopterus minor griveaudi* Harrison	*Miniopterus griveaudi* Harrison, 1959
31 Dec 1959	*Kerivoula harrisoni bellula* Aellen	*Kerivoula lanosa* (A. Smith, 1847)
31 Dec 1959	*Nycteris intermedia* Aellen	*Nycteris intermedia* Aellen, 1959
31 Dec 1959	*Pipistrellus inexspectatus* Aellen	*Pipistrellus inexspectatus* Aellen, 1959
31 Dec 1959	*Rhinolophus silvestris* Aellen	*Rhinolophus silvestris* Aellen, 1959
31 Dec 1959	*Nyctiptennis* Hall and Kelson	*Eptesicus* Rafinesque, 1820

Publication date	Original Name	Current Name
10 Jan 1960	*Rousettus aegyptiacus occidentalis* Eisentraut	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
30 Apr 1960	*Platymops barbatogularis parkeri* Harrison and Fleetwood	*Platymops setiger macmillani* Thomas, 1906
1 Jun 1960	*Rhinolophus denti knorri* Eisentraut	*Rhinolophus denti* Thomas, 1904
1 Jun 1960	*Rhinolophus landeri guineensis* Eisentraut	*Rhinolophus guineensis* Eisentraut, 1960
31 Dec 1960	*Epomophorus gambianus parvus* Ansell	*Epomophorus crypturus* Peters, 1852
31 Dec 1960	*? anjouanensis* Dorst	*Myotis anjouanensis* (Dorst, 1960)
31 Dec 1960	*Pipistrellus Rüppelli senegalensis* Dorst	*Pipistrellus rueppellii senegalensis* Dorst, 1960
31 Dec 1961	*Afropterus* Lavocat	*Megaderma* E. Geoffroy St.-Hilaire, 1810
31 Dec 1961	*Afropterus gigas* Lavocat	*Megaderma gigas* (Lavocat, 1961)
31 Dec 1961	*Afropterus gigas* Lavocat	*Megaderma gaillardi* (Trouessart, 1898)
31 Dec 1961	*Asellia vetus* Lavocat	*Hipposideros vetus* (Lavocat, 1961)
31 Dec 1961	*Rhinolophus ferrumequinum mellali* Lavocat	*Rhinolophus mellali* Lavocat, 1961
31 Dec 1962	*Taphozous sudani australis* Harrison	*Taphozous perforatus sudani* Thomas, 1915
31 Dec 1963	*Glauconycteris machadoi* Hayman	*Glauconycteris machadoi* Hayman, 1963
31 Dec 1963	*Micropteropus intermedius* Hayman	*Micropteropus intermedius* Hayman, 1963
31 Dec 1964	*Taphozous sudani rhodesiae* Harrison	*Taphozous perforatus sudani* Thomas, 1915
31 May 1965	*Nycteris vinsoni* Dalquest	*Nycteris vinsoni* Dalquest, 1965
31 May 1965	*Scotophilus alvenslebeni* Dalquest	*Scotophilus nigrita* (Schreber, 1774)
31 Dec 1965	*Rousettus angolensis ruwenzorii* Eisentraut	*Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)
31 Dec 1966	*Tadarida (Chaerephon) cyclotis* Brosset	*Chaerephon aloysiisabaudiae* (Festa, 1907)
31 Dec 1966	*Megaloglossus woermanni prigoginei* Hayman	*Megaloglossus woermanni* Pagenstecher, 1885
31 Dec 1967	*Propotto* Simpson	*Propotto* Simpson, 1967
31 Dec 1967	*Propotto leakeyi* Simpson	*Propotto leakeyi* Simpson, 1967
10 Apr 1968	*Pipistrellus eisentrauti* Hill	*Hypsugo eisentrauti* (Hill, 1968)
31 Dec 1968	*Rhinolophus adami* Aellen and Brosset	*Rhinolophus adami* Aellen and Brosset, 1968
31 Dec 1968	*Triaenops persicus majusculus* Aellen and Brosset	*Triaenops afer* Peters, 1877
31 Dec 1968	*Brachipposideros* Sigé	*Brachipposideros* Sigé, 1968
31 Dec 1969	*Rhinopoma hardwickei sennaariense* Kock	*Rhinopoma cystops* Thomas, 1903
31 Dec 1969	*Rhinopoma microphyllum tropicalis* Kock	*Rhinopoma microphyllum* (Brünnich, 1782)
31 Dec 1970	*Cynopterini* Koopman and J.K. Jones Jr.	*Pteropodinae* Gray, 1821
31 Dec 1970	*Rousettina* Koopman and J.K. Jones Jr.	*Rousettinae* Andersen, 1912
28 Apr 1971	*Myotis morrisi* Hill	*Myotis morrisi* Hill, 1971
4 Nov 1971	*Laephotis botswanae* Setzer	*Laephotis botswanae* Setzer, 1971
4 Nov 1971	*Laephotis namibensis* Setzer	*Laephotis namibensis* Setzer, 1971
31 Dec 1971	*Epomophorus sp.* Hill and Morris	*Epomophorus labiatus* (Temminck, 1837)
30 Jun 1972	*Pipistrellus eisentrauti bellieri* De Vree	*Hypsugo crassulus* (Thomas, 1904)
17 Aug 1973	*Glauconycteris gleni* Peterson and Smith	*Glauconycteris gleni* Peterson and Smith, 1973
31 Dec 1973	*Rhinolophus hilli* Aellen	*Rhinolophus hilli* Aellen, 1973
31 Dec 1975	*Tadarida (Chaerephon) gallagheri* Harrison	*Chaerephon gallagheri* (Harrison, 1975)
31 Dec 1976	*Megaderma jaegeri* Sigé	*Megaderma jaegeri* Sigé, 1976
22 Aug 1977	*Myotis blythii punicus* Felten	*Myotis punicus* Felten, 1977
31 Dec 1978	*Rousettus (Rousettus) obliviosus* Kock	*Rousettus obliviosus* Kock, 1978
31 Dec 1979	*PHYLLOSTOMATIA* Van Valen	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1979	*VESPERTILIONIA* Van Valen	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
4 Mar 1980	*Myonycteris relicta* Bergmans	*Myonycteris relicta* Bergmans, 1980
11 Dec 1981	*Tadarida [(Xiphonycteris)] petersoni* El Rayah	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
31 Dec 1982	*Glauconycteris kenyacola* Peterson	*Glauconycteris kenyacola* Peterson, 1982
31 Dec 1983	*Tadarida engesseri* Rachl	*Tadarida engesseri* Rachl, 1983
31 Dec 1983	*Scotophilus nucella* Robbins	*Scotophilus nucella* Robbins, 1983
30 Jun 1984	*Cheiromelinae* Legendre	*Molossinae* Gervais, 1856
30 Jun 1984	*Rhizomops* Legendre	*Tadarida* Rafinesque, 1814
30 Jun 1984	*Tadarinae* Legendre	*Molossinae* Gervais, 1856
15 Nov 1984	*Chamtwaria* Butler	*Chamtwaria* Butler, 1984
15 Nov 1984	*Chamtwaria pickfordi* Butler	*Chamtwaria pickfordi* Butler, 1984
15 Nov 1984	*Propottininae* Butler	*Propottininae* Butler, 1984
31 Dec 1984	*Coleura muthokai* Wesselman	*Coleura muthokai* Wesselman, 1984
31 Dec 1984	*Hipposideros kaumbului* Wesselman	*Hipposideros kaumbului* Wesselman, 1984
31 Dec 1984	*Taphozous abitus* Wesselman	*Saccolaimus abitus* (Wesselman, 1984)
31 Dec 1985	*Hipposideros lamottei* Brosset	*Hipposideros lamottei* Brosset, 1985
31 Dec 1985	*rueppellii* Qumsiyeh	*Tadarida teniotis* (Rafinesque, 1814)
31 Dec 1985	*Philisidae* Sigé	*PHILISIDAE* Sigé, 1985
31 Dec 1985	*Philisidae* Sigé	*Scotophilinae* Van Cakenberghe and Seamark, 2008
31 Dec 1985	*Philisis* Sigé	*Philisis* Sigé, 1985
31 Dec 1985	*Philisis sphingis* Sigé	*Philisis sphingis* Sigé, 1985

Publication date	Original Name	Current Name
14 Feb 1986	*Eptesicus hottentotus portavernus* Schlitter and Aggundey	*Eptesicus hottentotus* (A. Smith, 1833)
15 Nov 1987	*Attalepharca* Menu	*Pipistrellus* Kaup, 1829
15 Nov 1987	*Nycterikaupius* Menu	*Pipistrellus* Kaup, 1829
15 Nov 1987	*Nycterikaupius* Menu	*Neoromicia* Roberts, 1926
31 Dec 1987	*Nycticeinops* Hill and Harrison	*Nycticeinops* Hill & Harrison, 1987
28 Jun 1989	*Rhinolophus clivosus hillorum* Koopman	*Rhinolophus hillorum* Koopman, 1989
31 Dec 1991	*Epomophorus minimus* Claessen and De Vree	*Epomophorus minimus* Claessen & De Vree, 1991
31 Dec 1991	*Dizzya* Sigé	*Dizzya* Sigé, 1991
31 Dec 1991	*Dizzya exsultans* Sigé	*Dizzya exsultans* Sigé, 1991
21 Oct 1992	*Miniopterus minor occidentalis* Juste and Ibáñez	*Miniopterus minor* Peters, 1867
1 Jul 1993	*Rousettus aegyptiacus thomensis* Feiler, Haft and Widmann	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
30 Nov 1993	*Tadarida (Chaerephon) tomensis* Juste and Ibáñez	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
31 Dec 1993	*Rousettus aegyptiacus tomensis* Juste and Ibáñez	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1993	*Roussetus aegyptiacus princeps* Juste and Ibáñez	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
31 Dec 1994	*Dhofarella* Sigé, Thomas, Sen, Gheerbrant, Roger and Al-Sulaimani	*Dhofarella* Sigé, Thomas, Sen, Gheerbrant, Roger, and Al-Sulaimani, 1985
31 Dec 1994	*Dhofarella thaleri* Sigé, Thomas, Sen, Gheerbrant, Roger and Al-Sulaimani	*Dhofarella thaleri* Sigé et al., 1994
31 Dec 1995	*Eptesicus somalicus malagasyensis* Peterson, Eger and Mitchell	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
31 Dec 1995	*Miniopterus gleni* Peterson, Eger and Mitchell	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
31 Dec 1995	*VESPERTILIIFORMES* Zagorodniuk, Godovanets, Pokynchereda and Kyseliuk	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
20 Jun 1997	*Lissonycteris angolensis goliath* Bergmans	*Myonycteris angolensis goliath* (Bergmans, 1997)
20 Jun 1997	*Lissonycteris angolensis petraea* Bergmans	*Myonycteris angolensis petraea* (Bergmans, 1997)
31 Dec 1997	*VESPERTILIFORMES* Zagorodniuk	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 1998	*VESPERTILIONIFORMES* Zagorodnyuk	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
22 Dec 2000	*Rhinolophus maendeleo* Kock, Csorba and Howell	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
31 Dec 2000	*Myotis cf. punicus* Castella, Ruedi, Excoffier, Ibanez, Arlettaz and Hausser	*Myotis punicus* Felten, 1977
31 Dec 2000	*Eidolon helvum annobonensis* Juste, Ibáñez and Machordom	*Eidolon helvum helvum* (Kerr, 1792)
31 Dec 2000	*Plecotus balensis* Kruskop and Lavrenchenko	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
31 Dec 2001	*Glauconycteris curryi* Eger and Schlitter	*Glauconycteris curryae* Eger and Schlitter, 2001
31 Dec 2001	*Pipistrellus africanus meesteri* Kock	*Neoromicia nana* (Peters, 1852)
31 Dec 2001	*YANGOCHIROPTERA* Springer, Teeling, Madsen, Stanhope, and De Jong	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 2001	*YINPTEROCHIROPTERA* Springer, Teeling, Madsen, Stanhope, and De Jong	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 2001	*YINPTEROCHIROPTERA* Springer, Teeling, Madsen, Stanhope, and De Jong	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 2001	*Pipistrellus cf kuhlii* Volleth, Bronner, Göpfert, Heller, von Helversen and Yong	**Pipistrellus** sp. aff. **kuhlii** Kuhl, 1817
30 Sep 2002	*Barbastella barbastellus guanchae* Trujillo, Ibáñez and Juste	*Barbastella barbastellus* (Schreber, 1774)
31 Dec 2002	*Tadarida rusingae* Arroyo-Cabrales, Gregorin, Schlitter and Walker	*Mops rusingae* (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)
31 Dec 2002	*Rhinolophus sakejiensis* Cotterill	*Rhinolophus sakejiensis* Cotterill, 2002
31 Dec 2002	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
31 Dec 2003	*Indorhinolophus* Guillén-Servent, Francis and Ricklefs	*Rhinolophus* Lacépède, 1799
31 Dec 2003	*Tanzanycteridae* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch	*TANZANYCTERIDIDAE* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
31 Dec 2003	*Tanzanycteris* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch	*Tanzanycteris* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003

Publication date	Original Name	Current Name
31 Dec 2003	*Tanzanycteris mannardi* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch	*Tanzanycteris mannardi* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
31 Dec 2004	*Plecotus teneriffae gaisleri* Benda, Kiefer, Hanák and Veith	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
31 Dec 2004	*Epomophorus anselli* Bergmans and Van Strien	*Epomophorus anselli* Bergmans and Van Strien, 2004
31 Dec 2004	*Chaerephon jobimena* Goodman and Cardiff	*Chaerephon jobimena* Goodman and Cardiff, 2004
31 Dec 2004	*Pipistrellus hanaki* Hulva and Benda	*Pipistrellus hanaki* Hulva and Benda, 2004
31 Dec 2004	*PTEROPODIFORMES* Hutcheon and Kirsch	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 2004	*VESPERTILIONIFORMES* Hutcheon and Kirsch	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 2005	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
31 Dec 2005	*Brevipalatus* Hand and Archer	*Brevipalatus* Hand and Archer, 2005
31 Dec 2005	*Myotis dieteri* M. Happold	*Myotis dieteri* M. Happold, 2005
31 Dec 2005	*Emballonuroidea* Teeling, Springer, Madsen, Bates, O'Brien, and Murphy	*NYCTEROIDEA* Van der Hoeven, 1855
19 Oct 2006	*Emballonura tiavato* Goodman, Cardiff, Ranivo, Russell and Yoder	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
31 Dec 2006	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
31 Dec 2006	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
31 Dec 2006	*Philisinae* Horácek, Fejfar and Hulva	*Scotophilinae* Van Cakenberghe and Seamark, 2008
31 Dec 2006	*Scotophilisis* Horácek, Fejfar and Hulva	*Scotophilisis* Horácek, Fejfar and Hulva, 2006
31 Dec 2006	*Scotophilisis libycus* Horácek, Fejfar and Hulva	*Scotophilisis libycus* Horácek, Fejfar and Hulva, 2006
26 Mar 2007	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
31 Jul 2007	*NOCTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark	*NOCTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
31 Jul 2007	*NYCTERIFORMACEI* Van Cakenberghe, Kearney and Seamark	*NYCTERIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
31 Jul 2007	*PTEROPODIFORMACEI* Van Cakenberghe, Kearney and Seamark	*PTEROPODIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
31 Jul 2007	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Jul 2007	*RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark	*RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
31 Jul 2007	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
31 Jul 2007	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 2007	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
31 Dec 2007	*Hipposideros besaoka* Samonds	*Hipposideros besaoka* Samonds, 2007
31 Dec 2007	*Triaenops goodmani* Samonds	*Triaenops goodmani* Samonds, 2007
31 Dec 2007	*Afropipistrellus* Thorn, Kock and Cuisin	*Pipistrellus* Kaup, 1829
1 Jul 2008	*Scotophilinae* Van Cakenberghe and Seamark	*Scotophilinae* Van Cakenberghe and Seamark, 2008
31 Dec 2008	*Plecotus christii petraeus* Benda	*Plecotus christii* Gray, 1838
31 Dec 2008	*Triaenops pauliani* Goodman and Ranivo	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
31 Dec 2008	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis and Appleton	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
31 Dec 2008	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst and Bowie	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
31 Dec 2008	*Dhofarella sigei* Gunnell, Simons and Seiffert	*Dhofarella sigei* Gunnell, Simons and Seiffert, 2008
31 Dec 2008	*Khonsunycteris* Gunnell, Simons and Seiffert	*Khonsunycteris* Gunnell, Simons and Seiffert, 2008
31 Dec 2008	*Khonsunycteris aegypticus* Gunnell, Simons and Seiffert	*Khonsunycteris aegypticus* Gunnell, Simons and Seiffert, 2008
31 Dec 2008	*Qarunycteris* Gunnell, Simons and Seiffert	*Qarunycteris* Gunnell, Simons and Seiffert, 2008
31 Dec 2008	*Qarunycteris moerisae* Gunnell, Simons and Seiffert	*Qarunycteris moerisae* Gunnell, Simons and Seiffert, 2008
31 Dec 2008	*Saharaderma* Gunnell, Simons and Seiffert	*Saharaderma* Gunnell, Simons and Seiffert, 2008

Publication date	Original Name	Current Name
31 Dec 2008	*Saharaderma pseudovampyrus* Gunnell, Simons and Seiffert	*Saharaderma pseudovampyrus* Gunnell, Simons and Seiffert, 2008
31 Dec 2008	*Witwatia* Gunnell, Simons and Seiffert	*Witwatia* Gunnell, Simons and Seiffert, 2008
31 Dec 2008	*Witwatia eremicus* Gunnell, Simons and Seiffert	*Witwatia eremicus* Gunnell, Simons and Seiffert, 2008
31 Dec 2008	*Witwatia schlosseri* Gunnell, Simons and Seiffert	*Witwatia schlosseri* Gunnell, Simons and Seiffert, 2008
31 Dec 2008	*Pteropoidea* Serra-Cobo, López-Roig, Bayer, Amengual and Guasch	*PTEROPODOIDEA* Gray, 1821
31 Dec 2008	*Mops bakarii* Stanley	*Mops (Xiphonycteris) bakarii* Stanley, 2009
31 Dec 2008	*Vesperus hösemanni* Turni and Kock	*Neoromicia tenuipinnis* (Peters, 1872)
31 Mar 2009	*Triaenops menamena* Goodman and Ranivo	*Triaenops menamena* Goodman and Ranivo, 2009
22 Jun 2009	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
31 Oct 2009	*Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton	*Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
30 Nov 2009	*Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton	*Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009
30 Nov 2009	*Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton	*Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
31 Dec 2009	*Paratriaenops* Benda and Vallo	*Paratriaenops* Benda and Vallo, 2009
28 Jul 2010	*Chaerephon atsinanana* Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb	*Chaerephon atsinanana* Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
31 Jan 2011	*Miniopterus horaceki* Gunnell, Eiting, and Geraads	*Miniopterus horaceki* Gunnell, Eiting, and Geraads, 2011
31 Jan 2011	*Myotis darelbeidensis* Gunnell, Eiting, and Geraads	*Myotis darelbeidensis* Gunnell, Eiting, and Geraads, 2011
31 Jan 2011	*Rhinolophus maghrebensis* Gunnell, Eiting, and Geraads	*Rhinolophus maghrebensis* Gunnell, Eiting, and Geraads, 2011
31 Jan 2011	*Pterocarpus* Mishra, Rout and Panda	*Pteropus* Erxleben, 1777
17 May 2011	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
31 Dec 2011	*Necromantidae* Sigé	*NECROMANTIDAE* Sigé, 2011
29 Mar 2012	*Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer	*Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012
12 Sep 2012	*Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill	*Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
12 Sep 2012	*Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill	*Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
12 Sep 2012	*Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill	*Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
12 Sep 2012	*Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill	*Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
18 Sep 2012	*Witwatia sigei* Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud	*Witwatia sigei* Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud, 2012
31 Dec 2012	*Rhinolophus horaceki* Benda and Vallo	*Rhinolophus horaceki* Benda and Vallo, 2012
31 Dec 2012	*Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling	*Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
31 Dec 2012	*Paremballonura* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling	*Paremballonura* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
31 Dec 2012	*Paremballonura atrata* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling	*Paremballonura atrata* (Peters, 1874)
31 Dec 2012	*Paremballonura tiavato* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
31 Dec 2012	*Megaloglossus azagnyi* Nesi, Kadjo and Hassanin	*Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012
18 Jan 2013	*Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg	*Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013
30 Nov 2013	*Rhinolophus kahuzi* Fahr and Kerbis Peterhans	*Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013

Publication date	Original Name	Current Name
30 Nov 2013	*Rhinolophus willardi* Kerbis Peterhans and Fahr	*Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013
10 Dec 2013	*Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton	*Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013
31 Dec 2013	*Niumbaha* Reeder, Helgen, Vodzak, Lunde and Ejotre	*Glauconycteris* Dobson, 1875
4 Feb 2014	*Phasmatonycteris* Gunnell, Simmons and Seiffert	*Phasmatonycteris* Gunnell, Simmons and Seiffert, 2014
4 Feb 2014	*Phasmatonycteris butleri* Gunnell, Simmons and Seiffert	*Phasmatonycteris butleri* Gunnell, Simmons and Seiffert, 2014
4 Feb 2014	*Phasmatonycteris phiomensis* Gunnell, Simmons and Seiffert	*Phasmatonycteris phiomensis* Gunnell, Simmons and Seiffert, 2014
5 Feb 2014	*Casinycteris campomaanensis* Hassanin	*Casinycteris campomaanensis* Hassanin, 2014
5 May 2014	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
26 Jun 2014	*Scotophilus andrewreborii* Brooks and Bickham	*Scotophilus andrewreborii* Brooks and Bickham, 2014
26 Jun 2014	*Scotophilus livingstonii* Brooks and Bickham	*Scotophilus livingstonii* Brooks and Bickham, 2014
26 Dec 2014	*Scotophilus ejetai* Brooks and Bickham	*Scotophilus ejetai* Brooks and Bickham, 2014
26 Dec 2014	*Scotophilus trujilloi* Brooks and Bickham	*Scotophilus trujilloi* Brooks and Bickham, 2014
31 Dec 2014	*Pteropodimorpha* Zagorodniuk	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
31 Dec 2014	*Vespertilioniformes* Zagorodniuk	*CHIROPTERA* Blumenbach, 1779
31 Dec 2014	*Vespertilionimorpha* Zagorodniuk	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
27 Jan 2015	*Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo	*Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
27 Jan 2015	*Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo	*Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
27 Jan 2015	*Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo	*Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
23 Mar 2015	*Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton	*Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015
1 Oct 2015	*Hipposideros (Pseudorhinolophus) amenhotepos* Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich	*Hipposideros amenhotepos* Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, 2015
9 Dec 2015	*Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb	*Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015
16 Dec 2015	*Cardioderma leakeyi* Gunnell, Butler, Greenwood and Simmons	*Cardioderma leakeyi* Gunnell, Butler, Greenwood and Simmons, 2015
16 Dec 2015	*Myzopoda africana* Gunnell, Butler, Greenwood and Simmons	*Myzopoda africana* Gunnell, Butler, Greenwood and Simmons, 2015
16 Dec 2015	*Nycticeinops serengetiensis* Gunnell, Butler, Greenwood and Simmons	*Nycticeinops serengetiensis* Gunnell, Butler, Greenwood and Simmons, 2015
16 Dec 2015	*Scotoecus olduvensis* Gunnell, Butler, Greenwood and Simmons	*Scotoecus olduvensis* Gunnell, Butler, Greenwood and Simmons, 2015
31 Dec 2015	*Hypsugo bemainty* Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton	*Hypsugo bemainty* Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015
27 Jan 2016	*Neoromicia isabella* Decher, Hutterer and Monadjem	*Neoromicia isabella* Decher, Hutterer and Monadjem, 2016
9 May 2016	*Aegyptonycteridae* Simmons, Seiffert and Gunnell	*AEGYPTONYCTERIDAE* Simmons, Seiffert and Gunnell, 2016
9 May 2016	*Aegyptonycteris* Simmons, Seiffert and Gunnell	*Aegyptonycteris* Simmons, Seiffert and Gunnell, 2016
9 May 2016	*Aegyptonycteris knightae* Simmons, Seiffert and Gunnell	*Aegyptonycteris knightae* Simmons, Seiffert and Gunnell, 2016
20 May 2016	*Hipposideros cryptovalorona* Goodman, Schoeman, Rakotoarivelo and Willows-Munro	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
30 Jun 2016	*Eidolinae* Almeida, Giannini and Simmons	*Eidolinae* Almeida, Giannini and Simmons, 2016
30 Sep 2016	*?Necromantis fragmentum* Ravel	*Necromantis fragmentum* (Ravel, 2016)
30 Sep 2016	*?Palaeophyllophora tunisiensis* Ravel	*Palaeophyllophora tunisiensis* (Ravel, 2016)
30 Sep 2016	*?Vespertiliavus aenigma* Ravel	*Vespertiliavus aenigma* (Ravel, 2016)
30 Sep 2016	*Chambinycteris* Ravel	*Chambinycteris* Ravel, 2016
30 Sep 2016	*Chambinycteris pusilli* Ravel	*Chambinycteris pusilli* Ravel, 2016

Publication date	Original Name	Current Name
30 Sep 2016	*Drakonycteris* Ravel	*Drakonycteris* Ravel, 2016
30 Sep 2016	*Drakonycteris glibzegdouensis* Ravel	*Drakonycteris glibzegdouensis* Ravel, 2016
30 Sep 2016	*Hipposideros (Pseudorhinolophus) africanum* Ravel	*Hipposideros africanum* Ravel, 2016
30 Sep 2016	*Khoufechia* Ravel	*Khoufechia* Ravel, 2016
30 Sep 2016	*Khoufechia gunnelli* Ravel	*Khoufechia gunnelli* Ravel, 2016
30 Sep 2016	*Pseudovespertiliavus* Ravel	*Pseudovespertiliavus* Ravel, 2016
30 Sep 2016	*Pseudovespertiliavus parva* Ravel	*Pseudovespertiliavus parva* Ravel, 2016
30 Sep 2016	*Vespertliavus kasserinensis* Ravel	*Vespertiliavus kasserinensis* (Ravel, 2016)
31 Dec 2016	*Nycteris cf. parisii* Kruskop, Benda, Vasenkov and Lavrenchenko	*Nycteris cf. parisii* De Beaux, 1924
16 Jun 2017	*Pipistrellus krugeri* Herkt, Skidmore and Fahr	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
30 Jun 2017	*M[acronycteris] cryptovalorona* Foley, Goodman, Whelan, Puechmaille and Teeling	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
22 Aug 2017	*Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing	*Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
31 Dec 2017	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
24 Apr 2018	*Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards	*Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018
31 Dec -330	*DERMAPTERA* Aristotle	*CHIROPTERA* Blumenbach, 1779
?	*Epomophorus labiatus anurus*	*Epomophorus minor* Dobson, 1880
?	*Laephotis cf. angolensis*	*Laephotis angolensis* Monard, 1935
?	*Myotis anjouanensis*	*Myotis anjouanensis* (Dorst, 1960)
?	*Neoromicia "incertae-sedis"*	*Neoromicia "incertae-sedis"*
?	*Noctilionoidea*	*NOCTILIONOIDEA* Gray, 1821
?	*Rousettus sp. cf. R. madagascariensis*	*Rousettus madagascariensis* G. Grandidier, 1929
?	*Yangochiroptera*	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
?	*Yinochiroptera*	*RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
?	*Chalinolobus*	*Glauconycteris* Dobson, 1875
?	*Miniopterus sp.*	*Miniopterus* Bonaparte, 1837
?	*Neoromicia cf. capensis*	*Neoromicia capensis* (A. Smith, 1829)
?	*Pteropus ægyptiacus*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
?	*Rhinonicteridae*	*RHINONYCTERIDAE* J. E. Gray, 1866
?	*Scotophilus cf. viridis*	*Scotophilus viridis* (Peters, 1852)

Appendix 3d: Synonyms by Country of Type Specimen

In this appendix the synonyms are ordered by country from which they were described and by year or publication.

Synonyms for which "Null" is mentioned as author simply indicate incomplete entries, for which this information could not be found (yet).

Unknown Country

1777	*Pteropus* Erxleben	*Pteropus* Erxleben, 1777
1779	*CHIROPTERA* Blumenbach	*CHIROPTERA* Blumenbach, 1779
1795	*Nycteris* G. Cuvier and E. Geoffroy	*Nycteris* G. Cuvier and E. Geoffroy, 1795
1797	*Vespertilio caninus* Blumenbach	*Pteropus niger* (Kerr, 1792)
1799	*Rhinolophus* Lacépède	*Rhinolophus* Lacépède, 1799
1799	*Spectrum* Lacépède	*Pteropus* Erxleben, 1777
1803	*major* E. Geoffroy Saint-Hilaire	*Rhinolophus ferrumequinum* (Schreber, 1774)
1809	*Vespertilio caninus var. b* Goldfuss	*Eidolon helvum helvum* (Kerr, 1792)
1810	*Megaderma* E. Geoffroy St.-Hillaire	*Megaderma* E. Geoffroy St.-Hilaire, 1810
1814	*Tadarida* Rafinesque	*Tadarida* Rafinesque, 1814
1814	*Pteropus torquatus* G. Fischer	*Pteropus subniger* (Kerr, 1792)
1815	*Eidolon* Rafinesque	*Eidolon* Rafinesque, 1815
1815	*Pteropus flavus* Illiger	*Eidolon helvum helvum* (Kerr, 1792)
1815	*Vespertilia* Rafinesque	*VESPERTILIONIDAE* Gray, 1821
1816	*Macrotus* Leach	*Plecotus* E. Geoffroy St.-Hilaire, 1818
1816	*Phyllorhina* Leach	*Rhinolophus* Lacépède, 1799
1818	*Myopterus* E. Geoffroy Saint-Hilaire	*Myopterus* E. Geoffroy St.-Hilaire, 1818
1818	*Nyctinomus* E. Geoffroy Saint-Hilaire	*Tadarida* Rafinesque, 1814
1818	*Plecotus* E. Geoffroy Saint-Hilaire	*Plecotus* E. Geoffroy St.-Hilaire, 1818
1818	*Pteropus aegyptiacus* E. Geoffroy Saint-Hilaire	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1818	*Rhinopoma* E. Geoffroy Saint-Hilaire	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
1818	*Taphozous* E. Geoffroy Saint-Hilaire	*Taphozous* E. Geoffroy St.-Hilaire, 1818
1819	*Vespertilio dasykarpos* Kuhl	*Nyctalus leisleri* (Kuhl, 1817)
1820	*Eptesicus* Rafinesque	*Eptesicus* Rafinesque, 1820
1820	*Myopteris* Desmarest	*Myopterus* E. Geoffroy St.-Hilaire, 1818
1821	*Barbastella* Gray	*Barbastella* Gray, 1821
1821	*Nyctinomes* Gray	*Tadarida* Rafinesque, 1814
1821	*Pteropidae* Gray	*PTEROPODIDAE* Gray, 1821
1821	*Vespertilionidae* Gray	*VESPERTILIONIDAE* Gray, 1821
1821	*Vespertilioninae* Gray	*Vespertilioninae* Gray, 1821
1821	*Vespertilionoidea* Gray	*VESPERTILIONOIDEA* Gray, 1821
1821	*Scotophilus* Leach	*Scotophilus* Leach, 1821
1821	*Cephalotidae* Gray	*PTEROPODIDAE* Gray, 1821
1821	*CHEIROPTERA* Gray	*CHIROPTERA* Blumenbach, 1779
1821	*FRUCTIVORAE* Gray	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1821	*INSECTIVORAE* Gray	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1821	*Nyctinoma* Bowdich	*Tadarida* Rafinesque, 1814
1821	*Pteropodinae* Gray	*Pteropodinae* Gray, 1821
1821	*PTEROPODOIDEA* Gray	*PTEROPODOIDEA* Gray, 1821
1821	*Rhynopoma* Bowdich	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
1822	*CHEIROPTERA* Flemming	*CHIROPTERA* Blumenbach, 1779
1822	*Nyctinomia* Fleming	*Tadarida* Rafinesque, 1814
1825	*Dinops* Savi	*Tadarida* Rafinesque, 1814
1825	*Nyctalus* Bowdich	*Nyctalus* Bowdich, 1825
1825	*Rhinolophidae* Gray	*RHINOLOPHIDAE* Gray, 1825
1825	*Rhinolophoidea* Gray	*RHINOLOPHOIDEA* J. E. Gray, 1825
1826	*Vespertilio leucomelas* Cretzschmar	*Barbastella leucomelas* (Cretzschmar, 1826)
1827	*Dysopes geoffroyi* Temminck	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
1827	*Rhinolophina* Lesson	*RHINOLOPHIDAE* Gray, 1825
1829	*Cercopteropus* Burnett	*Rousettus* Gray, 1821
1829	*Barbastellus* Kaup	*Barbastella* Gray, 1821
1829	*Cnephæus* Kaup	*Eptesicus* Rafinesque, 1820
1829	*Myotis* Kaup	*Myotis* Kaup, 1829
1829	*Nystactes* Kaup	*Myotis* Kaup, 1829
1829	*Pipistrellus* Kaup	*Pipistrellus* Kaup, 1829
1829	*Pterygistes* Kaup	*Nyctalus* Bowdich, 1825
1829	*Vespertilio auritus ß aegyptius* J.B. Fischer	*Plecotus christii* Gray, 1838
1830	*Loeconoë* Boie	*Myotis* Kaup, 1829

1830-1831	*Dysopes* Cretzschmar	*Tadarida* Rafinesque, 1814
1831	*Hipposideros* Gray	*Hipposideros* Gray, 1831
1831	*Pachyotus* Gray	*Scotophilus* Leach, 1821
1834	*Hipposiderus* Gray	*Hipposideros* Gray, 1831
1836	*Epomophorus* Bennett	*Epomophorus* Bennett, 1836
1836	*Rhinocrepis* Gervais	*Rhinolophus* Lacépède, 1799
1837	*Miniopterus* Bonaparte	*Miniopterus* Bonaparte, 1837
1837	*Myoptera* de Blainville	*Myopterus* E. Geoffroy St.-Hilaire, 1818
1837	*Noctula* Bonaparte	*Eptesicus* Rafinesque, 1820
1837	*Pipistrella* Bonaparte	*Pipistrellus* Kaup, 1829
1837	*Pteropus vulgaris* Temminck	*Pteropus subniger* (Kerr, 1792)
1838	*Asellia* Gray	*Asellia* Gray, 1838
1838	*Barbastellus communis* Gray	*Barbastella barbastellus* (Schreber, 1774)
1838	*Lavia* Gray	*Lavia* Gray, 1838
1838	*Petalia* Gray	*Nycteris* G. Cuvier and E. Geoffroy, 1795
1838	*Romicia* Gray	*Pipistrellus* Kaup, 1829
1838	*PTEROPODIDAE* Bonaparte	*PTEROPODIDAE* Gray, 1821
1838	*Rhinopomina* Bonaparte	*RHINOPOMATIDAE* Dobson, 1872
1838	*Saccolaimus* Temminck	*Saccolaimus* Temminck, 1838
1839	*Synotus* Keyserling and Blasius	*Barbastella* Gray, 1821
1839	*Vesperugo* Keyserling and Blasius	*Nyctalus* Bowdich, 1825
1839	*Vesperugo* Keyserling and Blasius	*Pipistrellus* Kaup, 1829
1839	*Vesperugo* Keyserling and Blasius	*Eptesicus* Rafinesque, 1820
1839	*Vesperus* Keyserling and Blasius	*Eptesicus* Rafinesque, 1820
1840	*Dysopes Savii* Schinz	*Tadarida teniotis* (Rafinesque, 1814)
1840	*Romicius* Blyth	*Pipistrellus* Kaup, 1829
1841	*Capaccinius* Bonaparte	*Myotis* Kaup, 1829
1841	*Selysius* Bonaparte	*Myotis* Kaup, 1829
1842	*Kerivoula* Gray	*Kerivoula* Gray, 1842
1842	*Noctulinia* Gray	*Nyctalus* Bowdich, 1825
1842	*Trilatitus* Gray	*Myotis* Kaup, 1829
1842	*Harpyidae* H. Smith	*PTEROPODIDAE* Gray, 1821
1842	*Mops* Lesson	*Mops* Lesson, 1842
1842	*Mops* Lesson	*Mops (Mops)* Lesson, 1842
1842	*Nicticejus* Rüppell	*Scotophilus* Leach, 1821
1843	*Xantharpyia* Gray	*Rousettus* Gray, 1821
1843	*Gymnorhina* Wagner	*VESPERTILIONIDAE* Gray, 1821
1844	*Eleutherura* Gray	*Rousettus* Gray, 1821
1847	*Aquias* Gray	*Rhinolophus* Lacépède, 1799
1847	*Eucheira* Hodgson	*Megaderma* E. Geoffroy St.-Hilaire, 1810
1849	*Kirivoula* Gervais	*Kerivoula* Gray, 1842
1849	*Vespertilio minutus* A. Smith	*Eptesicus hottentotus* (A. Smith, 1833)
1852	*Cynonycteris* Peters	*Rousettus* Gray, 1821
1853	*Pachysoma* Temminck	*Epomophorus* Bennett, 1836
1854	*Rhinolophides* Gervais	*RHINOLOPHIDAE* Gray, 1825
1855	*Emballonuridae* Gervais	*EMBALLONURIDAE* Gervais, 1855
1855	*FRUGIVORA* Giebel	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1855	*Gymnorhina* Giebel	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1855	*Histiorhina* Van der Hoeven	*RHINOLOPHIDAE* Gray, 1825
1855	*Nycteridae* Van der Hoeven	*NYCTERIDAE* Van der Hoeven, 1855
1855	*Nycteroidea* Van der Hoeven	*NYCTEROIDEA* Van der Hoeven, 1855
1855	*Vespertilio smithii* Wagner	*Eptesicus hottentotus* (A. Smith, 1833)
1856	*Molossidae* Gervais	*MOLOSSIDAE* Gervais, 1856
1856	*Molossinae* Gervais	*Molossinae* Gervais, 1856
1855	*Nycticeina* Gervais	*VESPERTILIONIDAE* Gray, 1821
1856	*Brachyotus* Kolenati	*Myotis* Kaup, 1829
1856	*Cateorus* Kolenati	*Eptesicus* Rafinesque, 1820
1856	*Hypsugo* Kolenati	*Hypsugo* Kolenati, 1856
1856	*Isotus* Kolenati	*Myotis* Kaup, 1829
1856	*Meteorus* Kolenati	*Eptesicus* Rafinesque, 1820
1856	*Molossoidae* Gervais	*MOLOSSOIDEA* Gervais, 1856
1856	*Nannugo* Kolenati	*Pipistrellus* Kaup, 1829
1856	*Panugo* Kolenati	*Nyctalus* Bowdich, 1825
1858	*Amblyotus* Kolenati	*Eptesicus* Rafinesque, 1820
1859	*Otonycteris* Peters	*Otonycteris* Peters, 1859
1860	*Phyllorrhina* Koch	*HIPPOSIDERIDAE* Lydekker, 1891
1861	*Nyctophylax* Fitzinger	*Kerivoula* Gray, 1842
1862	*Sphyrocephalus* A. Murray	*Hypsignathus* H. Allen, 1862
1862	*Zygænocephalus* A. Murray	*Hypsignathus* H. Allen, 1862
1862	*Hypsignathus* H. Allen	*Hypsignathus* H. Allen, 1862
1862	*Pterocyon* Peters	*Eidolon* Rafinesque, 1815
1863	*Aristippe* Kolenati	*Eptesicus* Rafinesque, 1820
1864	*Megadermatidae* H. Allen	*MEGADERMATIDAE* H. Allen, 1864
1865	*Brachyura* Peters	*EMBALLONURIDAE* Gervais, 1855

1865	*Megadermata* Peters	*MEGADERMATIDAE* H. Allen, 1864
1865	*Molossi* Peters	*MOLOSSIDAE* Gervais, 1856
1865	*Mormopterus* Peters	*Mormopterus* Peters, 1865
1865	*Nyctophilinae* Peters	*Vespertilioninae* Gray, 1821
1865	*Rhinolophi* Peters	*RHINOLOPHIDAE* Gray, 1825
1865	*Vespertiliones* Peters	*Vespertilioninae* Gray, 1821
1866	*Nyctericina* Gray	*NYCTERIDAE* Van der Hoeven, 1855
1866	*Diclidurina* Gray	*EMBALLONURIDAE* Gervais, 1855
1866	*Emballonurina* Gray	*EMBALLONURIDAE* Gervais, 1855
1866	*Molossina* Gray	*MOLOSSIDAE* Gervais, 1856
1866	*Nyctophilina* Gray	*VESPERTILIONIDAE* Gray, 1821
1866	*Pachyomus* Gray	*Eptesicus* Rafinesque, 1820
1866	*Plecotina* Gray	*VESPERTILIONIDAE* Gray, 1821
1866	*Romiciana* Gray	*VESPERTILIONIDAE* Gray, 1821
1866	*Vespertilionina* Gray	*VESPERTILIONIDAE* Gray, 1821
1866	*Chrysonycteris* Gray	*Hipposideros* Gray, 1831
1866	*Epomophorina* Gray	*Pteropodinae* Gray, 1821
1866	*Eunycteris* Gray	*Pteropus* Erxleben, 1777
1866	*Gloionycteris* Gray	*Hipposideros* Gray, 1831
1866	*Macronycteris* Gray	*Macronycteris* Gray, 1866
1866	*Megadermina* Gray	*MEGADERMATIDAE* H. Allen, 1864
1866	*Nycterops* Gray	*Nycteris* G. Cuvier and E. Geoffroy, 1795
1866	*Phyllotis* Gray	*Rhinolophus* Lacépède, 1799
1866	*Rhinonycterina* Gray	*RHINONYCTERIDAE* J. E. Gray, 1866
1866	*Rhinophylla* Gray	*Hipposideros* Gray, 1831
1866	*Speorifera* Gray	*Hipposideros* Gray, 1831
1866	*Nycterides* Haeckel	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1866	*Pterocynes* Haeckel	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1866	*Rhinonycteridae* Gray	*RHINONYCTERIDAE* J. E. Gray, 1866
1866	*Scotophilina* Gray	*Scotophilinae* Van Cakenberghe and Seamark, 2008
1866	*Spasma* Gray	*Megaderma* E. Geoffroy St.-Hilaire, 1810
1867	*Cœloephyllus* Peters	*Rhinolophus* Lacépède, 1799
1867	*Colëura* Peters	*Coleura* Peters, 1867
1867	*Vespertilio (Pternopterus)* Peters	*Myotis* Kaup, 1829
1868	*Alobus* Peters	*Pipistrellus* Kaup, 1829
1868	*Rhinopoma sennarense* Hartmann	*Rhinopoma cystops* Thomas, 1903
1869	*Gymnorhinida* Fatio	*VESPERTILIONIDAE* Gray, 1821
1870	*[Epomophorus macrocephalus] var. unicolor* Gray	*Epomophorus wahlbergi* (Sundevall, 1846)
1870	*Aëorestes* Fitzinger	*Myotis* Kaup, 1829
1870	*Comastes* Fitzinger	*Myotis* Kaup, 1829
1870	*Epomops* Gray	*Epomops* Gray, 1866
1870	*Exochurus* Fitzinger	*Myotis* Kaup, 1829
1870	*Nyctiptenus* Fitzinger	*Eptesicus* Rafinesque, 1820
1870	*Pselaphon* Gray	*Pteropus* Erxleben, 1777
1870	*Rhinolophus Eggenhöffner* Fitzinger	*Rhinolophus hipposideros* (Bechstein, 1800)
1870	*Senonycteris* Gray	*Rousettus* Gray, 1821
1870	*Spectrum vulgare* Gray	*Pteropus niger* (Kerr, 1792)
1870	*Stenonycteris* Gray	*Stenonycteris* Gray, 1870
1871	*Triaenops* Dobson	*Triaenops* Dobson, 1871
1871	*Cyclorhina* Peters	*Hipposideros* Gray, 1831
1871	*Doryrhina* Peters	*Doryrhina* Peters, 1871
1871	*Ptychorhina* Peters	*Hipposideros* Gray, 1831
1871	*Sideroderma* Peters	*Hipposideros* Gray, 1831
1871	*Sybdesmotus* Peters	*Hipposideros* Gray, 1831
1871	*Syndesmotis* Peters	*Hipposideros* Gray, 1831
1871	*Thyreorhina* Peters	*Hipposideros* Gray, 1831
9999	*Noctulina* Macalister	*Nyctalus* Bowdich, 1825
1872	*ANIMALIVORA* Gill	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1872	*Lyroderma* Peters	*Megaderma* E. Geoffroy St.-Hilaire, 1810
1872	*Megadermidae* Gill	*MEGADERMATIDAE* H. Allen, 1864
1872	*Rhinopomatidae* Dobson	*RHINOPOMATIDAE* Dobson, 1872
1872	*Rhinopomatoidea* Dobson	*RHINOPOMATOIDEA* Dobson, 1872
1873	*Cardioderma* Peters	*Cardioderma* Peters, 1873
1874	*Nyctinomus (Chaerephon)* Dobson	*Chaerephon* Dobson, 1874
1875	*Glauconycteris* Dobson	*Glauconycteris* Dobson, 1875
1875	*Miniopteri* Dobson	*MINIOPTERIDAE* Dobson, 1875
1875	*Miniopteridae* Dobson	*MINIOPTERIDAE* Dobson, 1875
1875	*MEGACHIROPTERA* Dobson	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1875	*MICROCHIROPTERA* Dobson	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

1875	*MICROCHIROPTERA* Dobson	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1876	*Taphonycteris* Dobson	*Saccolaimus* Temminck, 1838
1877	*Nyctinomus [(Nyctinomus)] cestoni* Dobson	*Tadarida ventralis* (Heuglin, 1861)
1877	*Taphozoinae* Jerdon	*EMBALLONURIDAE* Gervais, 1855
1877	*Vesperugo senarensis* Heuglin	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
1878	*Myzopoda* A. Milne-Edwards and A. Grandidier	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
1881	*Leiponyx* Jentink	*Eidolon* Rafinesque, 1815
1881	*Triænops Humbloti* A. Milne-Edwards	*Triaenops menamena* Goodman and Ranivo, 2009
1882	*Liponyx* Forbes	*Eidolon* Rafinesque, 1815
1885	*Megaloglossus* Pagenstecher	*Megaloglossus* Pagenstecher, 1885
1887	*Vespertiliavus* Schlosser	*Vespertiliavus* Schlosser, 1887
1888	*Necromanter* Lydekker	*Necromantis* Weithofer, 1887
1888	*Necromantis* Weithofer	*Necromantis* Weithofer, 1887
1889	*Gymnuridae* Ameghino	*MOLOSSIDAE* Gervais, 1856
1889	*PTETICA* Ameghino	*CHIROPTERA* Blumenbach, 1779
1891	*N(yctinomus) taeniotis* Thomas	*Tadarida ventralis* (Heuglin, 1861)
1891	*Cerivoula* Blanford	*Kerivoula* Gray, 1842
1891	*Hipposideridae* Lydekker	*HIPPOSIDERIDAE* Lydekker, 1891
1891	*Hipposiderinae* Lydekker	*HIPPOSIDERIDAE* Lydekker, 1891
1891	*Trygenycteris* Lydekker	*Megaloglossus* Pagenstecher, 1885
1892	*Adelonycteris* H. Allen	*Eptesicus* Rafinesque, 1820
1894	*Scotonycteris* Matschie	*Scotonycteris* Matschie, 1894
1897	*midas* Schulze	*Tadarida teniotis* (Rafinesque, 1814)
1898	*Miniopterae* Trouessart	*MINIOPTERIDAE* Dobson, 1875
1899	*[Epomophorus ()Nanonycteris[)]* Matschie	*Nanonycteris* Matschie, 1899
1899	*[Xantharpyia ()Myonycteris[)]* Matschie	*Myonycteris* Matschie, 1899
1899	*Euvespertilio* Acloque	*Myotis* Kaup, 1829
1899	*Euvesperugo* Acloque	*Pipistrellus* Kaup, 1829
1899	*Hypsignathus haldemani* Matschie	*Hypsignathus monstrosus* H. Allen, 1862
1899	*Micropteropus* Matschie	*Micropteropus* Matschie, 1899
1899	*Mynonycteris* Matschie	*Rousettus* Gray, 1821
1899	*Sericonycteris* Matschie	*Pteropus* Erxleben, 1777
1901	*N(yctinomus) midas* de Winton	*Tadarida ventralis* (Heuglin, 1861)
1901	*Scotœcus* Thomas	*Scotoecus* Thomas, 1901
1901	*Læphotis* Thomas	*Laephotis* Thomas, 1901
1901	*Clœotis* Thomas	*Cloeotis* Thomas, 1901
1901	*Glauconycteris beatrix* Thomas	*Glauconycteris beatrix* Thomas, 1901
1901	*Euryalus* Matschie	*Rhinolophus* Lacépède, 1799
1902	*Syndesmotus* Waterhouse	*Hipposideros* Gray, 1831
1903	*Necronycteris* Palmer	*Necromantis* Weithofer, 1887
1904	*Myzopodidae* Thomas	*MYZOPODIDAE* Thomas, 1904
1904	*Mimetillus* Thomas	*Mimetillus* Thomas, 1904
1904	*Kehelvoulha* Jentink	*Kerivoula* Gray, 1842
1905	*Rhinolophus hipposiderus typicus* K. Andersen	*Rhinolophus hipposideros* (Bechstein, 1800)
1905	*Eomops* Thomas	*Myopterus* E. Geoffroy St.-Hilaire, 1818
1906	*Platymops* Thomas	*Platymops* Thomas, 1906
1906	*Pizonyx* Miller	*Myotis* Kaup, 1829
1906	*Rhinopterus* Miller	*Eptesicus* Rafinesque, 1820
1907	*Diclidurinae* Miller	*EMBALLONURIDAE* Gervais, 1855
1907	*Kerivoulinae* Miller	*Kerivoulinae* Miller, 1907
1907	*Rhinopomidae* Miller	*RHINOPOMATIDAE* Dobson, 1872
1908	*Scabrifer* G.M. Allen	*Neoromicia* Roberts, 1926
1908	*Scoteinus schlieffeni bedouin* Thomas and Wroughton	*Nycticeinops schlieffenii* (Peters, 1859)
1909	*Otonycteris cinereus* Satunin	*Otonycteris hemprichii* Peters, 1859
1910	*Plerotes* K. Andersen	*Plerotes* K. Andersen, 1910
1910	*Casinycteris* Thomas	*Casinycteris* Thomas, 1910
1910	*Chrysopteron* Jentink	*Myotis* Kaup, 1829
1910	*Petaliidæ* Miller	*NYCTERIDAE* Van der Hoeven, 1855
1910	*Rhinolophus blasiusi* Trouessart	*Rhinolophus blasii* Peters, 1867
1910	*Vampyravus* Schlosser	*Vampyravus* Schlosser, 1910
1911	*Xiphonycteris* Dollman	*Mops (Xiphonycteris)* Dollman, 1911
1911	*Provampyrus* Schlosser	*Vampyravus* Schlosser, 1910
1911	*Provampyrus orientalis* Schlosser	*Vampyravus orientalis* Schlosser, 1910
1912	*Cynopterinae* K. Andersen	*Pteropodinae* Gray, 1821
1912	*Epomophorinae* K. Andersen	*Rousettinae* Andersen, 1912
1912	*Pteropinae* K. Andersen	*Pteropodinae* Gray, 1821
1912	*Rousettinae* K. Andersen	*Rousettinae* Andersen, 1912
1912	*Cistugo* Thomas	*Cistugo* Thomas, 1912
1913	*Otomops* Thomas	*Otomops* Thomas, 1913
1914	*acrotis* G.M. Allen	*Rhinolophus fumigatus* Rüppell, 1842
1914	*Noctulinia* Cabrera	*Nyctalus* Bowdich, 1825
1917	*Platymops* Roberts	*Sauromys* Roberts, 1917

1917	*Platymops (Sauromys)* Roberts	*Sauromys* Roberts, 1917
1917	*Allomops* J.A. Allen	*Mops (Mops)* Lesson, 1842
1917	*Chærephon (Lophomops)* J.A. Allen	*Chaerephon* Dobson, 1874
1917	*Dichromyotis* Bianchi	*Myotis* Kaup, 1829
1917	*Megapipistrellus* Bianchi	*Myotis* Kaup, 1829
1917	*Nycteris major* J.A. Allen	*Nycteris macrotis* Dobson, 1876
1917	*Palaeophyllophora* Revilliod	*Palaeophyllophora* Revilliod, 1917
1917	*Paramyotis* Bianchi	*Myotis* Kaup, 1829
1917	*Pareptesicus* Bianchi	*Eptesicus* Rafinesque, 1820
1917	*Rhyneptesicus* Bianchi	*Eptesicus* Rafinesque, 1820
1917	*Rickettia* Bianchi	*Myotis* Kaup, 1829
1821	*Rousettus* Gray	*Rousettus* Gray, 1821
1922	*Liponycteris* Thomas	*Taphozous* E. Geoffroy St.-Hilaire, 1818
1922	*Kerivoula lueia* Kershaw	*Kerivoula lanosa* (A. Smith, 1847)
1926	*Eptesicops* Roberts	*Pipistrellus* Kaup, 1829
1926	*Neoromicia* Roberts	*Neoromicia* Roberts, 1926
1929	*Anamygdon* Troughton	*Myotis* Kaup, 1829
1931	*Tuitatus* Kishida and Mori	*Eptesicus* Rafinesque, 1820
1934	*Austronomus* Iredale and Troughton	*Tadarida* Rafinesque, 1814
1939	*Mops rüppellii* Allen	*Tadarida ventralis* (Heuglin, 1861)
1941	*Austronomus* Troughton	*Tadarida* Rafinesque, 1814
1941	*Coelopsinae* Tate	*HIPPOSIDERIDAE* Lydekker, 1891
1941	*Myotini* Tate	*VESPERTILIONIDAE* Gray, 1821
1941	*Rhinophyllotis* Troughton	*Rhinolophus* Lacépède, 1799
1942	*Myotinae* Tate	*Myotinae* Tate, 1942
1946	*Vansonia* Roberts	*Pipistrellus* Kaup, 1829
1951	*Rhinomegalophus* Bourret	*Rhinolophus* Lacépède, 1799
1958	*Hesperomyotis* Cabrera	*Myotis* Kaup, 1829
1959	*Nyctiptennis* Hall and Kelson	*Eptesicus* Rafinesque, 1820
1961	*Afropterus* Lavocat	*Megaderma* E. Geoffroy St.-Hilaire, 1810
1961	*Asellia vetus* Lavocat	*Hipposideros vetus* (Lavocat, 1961)
1964	*Taphozous sudani rhodesiae* Harrison	*Taphozous perforatus sudani* Thomas, 1915
1967	*Propotto* Simpson	*Propotto* Simpson, 1967
1967	*Propotto leakeyi* Simpson	*Propotto leakeyi* Simpson, 1967
1968	*Brachipposideros* Sigé	*Brachipposideros* Sigé, 1968
1970	*Cynopterini* Koopman and J.K. Jones Jr.	*Pteropodinae* Gray, 1821
1970	*Rousettina* Koopman and J.K. Jones Jr.	*Rousettinae* Andersen, 1912
1971	*Epomophorus sp.* Hill and Morris	*Epomophorus labiatus* (Temminck, 1837)
1979	*PHYLLOSTOMATIA* Van Valen	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1979	*VESPERTILIONIA* Van Valen	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1984	*Cheiromelinae* Legendre	*Molossinae* Gervais, 1856
1984	*Rhizomops* Legendre	*Tadarida* Rafinesque, 1814
1984	*Tadarinae* Legendre	*Molossinae* Gervais, 1856
1984	*Chamtwaria* Butler	*Chamtwaria* Butler, 1984
1984	*Propottininae* Butler	*Propottininae* Butler, 1984
1984	*Coleura muthokai* Wesselman	*Coleura muthokai* Wesselman, 1984
1985	*Philisidae* Sigé	*PHILISIDAE* Sigé, 1985
1985	*Philisidae* Sigé	*Scotophilinae* Van Cakenberghe and Seamark, 2008
1985	*Philisis* Sigé	*Philisis* Sigé, 1985
1985	*Philisis sphingis* Sigé	*Philisis sphingis* Sigé, 1985
1985	*rueppellii* Qumsiyeh	*Tadarida teniotis* (Rafinesque, 1814)
1987	*Attalepharca* Menu	*Pipistrellus* Kaup, 1829
1987	*Nycterikaupius* Menu	*Neoromicia* Roberts, 1926
1987	*Nycterikaupius* Menu	*Pipistrellus* Kaup, 1829
1987	*Nycticeinops* Hill and Harrison	*Nycticeinops* Hill & Harrison, 1987
1991	*Dizzya* Sigé	*Dizzya* Sigé, 1991
1994	*Dhofarella* Sigé, Thomas, Sen, Gheerbrant, Roger and Al-Sulaimani	*Dhofarella* Sigé, Thomas, Sen, Gheerbrant, Roger, and Al-Sulaimani, 1985
1995	*VESPERTILIIFORMES* Zagorodniuk, Godovanets, Pokynchereda and Kyseliuk	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1997	*VESPERTILIFORMES* Zagorodniuk	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
1998	*VESPERTILIONIFORMES* Zagorodnyuk	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2000	*Myotis cf. punicus* Castella, Ruedi, Excoffier, Ibanez, Arlettaz and Hausser	*Myotis punicus* Felten, 1977
2001	*Pipistrellus cf kuhlii* Volleth, Bronner, Göpfert, Heller, von Helversen and Yong	**Pipistrellus** sp. aff. **kuhlii** Kuhl, 1817
2001	*YANGOCHIROPTERA* Springer, Teeling, Madsen, Stanhope, and De Jong	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2001	*YINPTEROCHIROPTERA* Springer, Teeling, Madsen, Stanhope, and De Jong	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2001	*YINPTEROCHIROPTERA* Springer, Teeling, Madsen, Stanhope, and De Jong	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007

2003	*Indorhinolophus* Guillén-Servent, Francis and Ricklefs	*Rhinolophus* Lacépède, 1799
2003	*Tanzanycteridídae* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch	*TANZANYCTERIDIDAE* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
2003	*Tanzanycteris* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch	*Tanzanycteris* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
2004	*PTEROPODIFORMES* Hutcheon and Kirsch	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2004	*VESPERTILIONIFORMES* Hutcheon and Kirsch	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2005	*Brevipalatus* Hand and Archer	*Brevipalatus* Hand and Archer, 2005
2005	*Emballonuroidea* Teeling, Springer, Madsen, Bates, O'Brien, and Murphy	*NYCTEROIDEA* Van der Hoeven, 1855
2006	*Philisinae* Horácek, Fejfar and Hulva	*Scotophilinae* Van Cakenberghe and Seamark, 2008
2006	*Scotophilisis* Horácek, Fejfar and Hulva	*Scotophilisis* Horácek, Fejfar and Hulva, 2006
2007	*NOCTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark	*NOCTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*NYCTERIFORMACEI* Van Cakenberghe, Kearney and Seamark	*NYCTERIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*PTEROPODIFORMACEI* Van Cakenberghe, Kearney and Seamark	*PTEROPODIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark	*RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2007	*Afropipistrellus* Thorn, Kock and Cuisin	*Pipistrellus* Kaup, 1829
2008	*Scotophilinae* Van Cakenberghe and Seamark	*Scotophilinae* Van Cakenberghe and Seamark, 2008
2008	*Khonsunycteris* Gunnell, Simons and Seiffert	*Khonsunycteris* Gunnell, Simons and Seiffert, 2008
2008	*Pteropoidea* Serra-Cobo, López-Roig, Bayer, Amengual and Guasch	*PTEROPODOIDEA* Gray, 1821
2008	*Qarunycteris* Gunnell, Simons and Seiffert	*Qarunycteris* Gunnell, Simons and Seiffert, 2008
2008	*Saharaderma* Gunnell, Simons and Seiffert	*Saharaderma* Gunnell, Simons and Seiffert, 2008
2008	*Vesperus hösemanni* Turni and Kock	*Neoromicia tenuipinnis* (Peters, 1872)
2008	*Witwatia* Gunnell, Simons and Seiffert	*Witwatia* Gunnell, Simons and Seiffert, 2008
2009	*Paratriaenops* Benda and Vallo	*Paratriaenops* Benda and Vallo, 2009
2011	*Pterocarpus* Mishra, Rout and Panda	*Pteropus* Erxleben, 1777
2011	*Necromantidae* Sigé	*NECROMANTIDAE* Sigé, 2011
2012	*Paremballonura* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling	*Paremballonura* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
2012	*Paremballonura atrata* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling	*Paremballonura atrata* (Peters, 1874)
2012	*Paremballonura tiavato* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
2012	*Rhinolophus horaceki* Benda and Vallo	*Rhinolophus horaceki* Benda and Vallo, 2012
2013	*Niumbaha* Reeder, Helgen, Vodzak, Lunde and Ejotre	*Glauconycteris* Dobson, 1875
2014	*Phasmatonycteris* Gunnell, Simmons and Seiffert	*Phasmatonycteris* Gunnell, Simmons and Seiffert, 2014
2014	*Pteropodimorpha* Zagorodniuk	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2014	*Vespertilioniformes* Zagorodniuk	*CHIROPTERA* Blumenbach, 1779
2014	*Vespertilionimorpha* Zagorodniuk	*VESPERTILIONIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
2015	*Nycticeinops serengetiensis* Gunnell, Butler, Greenwood and Simmons	*Nycticeinops serengetiensis* Gunnell, Butler, Greenwood and Simmons, 2015
2016	*Aegyptonycteridae* Simmons, Seiffert and Gunnell	*AEGYPTONYCTERIDAE* Simmons, Seiffert and Gunnell, 2016
2016	*Aegyptonycteris* Simmons, Seiffert and Gunnell	*Aegyptonycteris* Simmons, Seiffert and Gunnell, 2016
2016	*Eidolinae* Almeida, Giannini and Simmons	*Eidolinae* Almeida, Giannini and Simmons, 2016
2016	*Chambinycteris* Ravel	*Chambinycteris* Ravel, 2016
2016	*Chambinycteris pusilli* Ravel	*Chambinycteris pusilli* Ravel, 2016
2016	*Drakonycteris* Ravel	*Drakonycteris* Ravel, 2016
2016	*Khoufechia* Ravel	*Khoufechia* Ravel, 2016
2016	*Pseudovespertiliavus* Ravel	*Pseudovespertiliavus* Ravel, 2016

2016	*Nycteris cf. parisii* Kruskop, Benda, Vasenkov and Lavrenchenko	*Nycteris cf. parisii* De Beaux, 1924
2017	*Pipistrellus krugeri* Herkt, Skidmore and Fahr	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
2017	*M[acronycteris] cryptovalorona* Foley, Goodman, Whelan, Puechmaille and Teeling	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
-330	*DERMAPTERA* Aristotle	*CHIROPTERA* Blumenbach, 1779
9999	*Chalinolobus*	*Glauconycteris* Dobson, 1875
9999	*Epomophorus labiatus anurus*	*Epomophorus minor* Dobson, 1880
9999	*Laephotis cf. angolensis*	*Laephotis angolensis* Monard, 1935
9999	*Miniopterus sp.*	*Miniopterus* Bonaparte, 1837
9999	*Myotis anjouanensis*	*Myotis anjouanensis* (Dorst, 1960)
9999	*Neoromicia "incertae-sedis"*	*Neoromicia "incertae-sedis"*
9999	*Neoromicia cf. capensis*	*Neoromicia capensis* (A. Smith, 1829)
9999	*Noctilionoidea*	*NOCTILIONOIDEA* Gray, 1821
9999	*Pteropus ægyptiacus*	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
9999	*Rhinonicteridae*	*RHINONYCTERIDAE* J. E. Gray, 1866
9999	*Rousettus sp. cf. R. madagascariensis*	*Rousettus madagascariensis* G. Grandidier, 1929
9999	*Scotophilus cf. viridis*	*Scotophilus viridis* (Peters, 1852)
9999	*Yangochiroptera*	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
9999	*Yinochiroptera*	*RHINOLOPHIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007

"Africa"

1830	*Vespertilio marginatus* Cretzschmar	*Pipistrellus kuhlii* (Kuhl, 1817)
1857	*Vespertilio pusillus* Leconte	*Neoromicia "incertae-sedis"*
1862	*Epomophorus comptus* H. Allen	*Epomops franqueti* (Tomes, 1860)
1862	*H[ypsignathus] monstrosus* H. Allen	*Hypsignathus monstrosus* H. Allen, 1862
1866	*Nycterops pilosa* Gray	*Nycteris hispida* (Schreber, 1774)
1866	*Nycteris Baikii* Gray	*Nycteris grandis* Peters, 1865
1878	*Pteropus rodricensis* Dobson	*Pteropus rodricensis* Dobson, 1878
1879	*Nyctinomus Bemmeleni* Jentink	*Chaerephon bemmeleni* (Jentink, 1879)
1881	*Triænops rufus* A. Milne-Edwards	*Triaenops menamena* Goodman and Ranivo, 2009
1937	*[Pipistrellus Kühli] latastei* Laurent	*Pipistrellus kuhlii* (Kuhl, 1817)

Algeria

1867	*Rhinolophus algirus* Loche	*Rhinolophus euryale* Blasius, 1853
1904	*E[uryalus] meridionalis* K. Andersen and Matschie	*Rhinolophus mehelyi* Matschie, 1901
1918	*Asellia tridens diluta* K. Andersen	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
1934	*Rhinolophus acrotis schwarzi* Heim de Balsac	*Rhinolophus clivosus* Cretzschmar, 1828
1936	*P[ipistrellus] k[uhlii] pallidus* Heim de Balsac	*Pipistrellus kuhlii* (Kuhl, 1817)
1936	*Plecotus auritus saharae* Laurent	*Otonycteris hemprichii* Peters, 1859
2016	*Drakonycteris glibzegdouensis* Ravel	*Drakonycteris glibzegdouensis* Ravel, 2016
2016	*Pseudovespertiliavus parva* Ravel	*Pseudovespertiliavus parva* Ravel, 2016

Angola

1845	*Rhinolophus gigas* Wagner	*Macronycteris gigas* (Wagner, 1845)
1866	*Scotophilus welwitschii* Gray	*Myotis welwitschii* (Gray, 1866)
1870	*[Epomophorus macrocephalus] var. angolensis* Gray	*Epomophorus angolensis* Gray, 1870
1870	*Cynopterus collaris* Gray	*Myonycteris torquata* (Dobson, 1878)
1870	*Nyctinomus angolensis* Peters	*Mops (Mops) condylurus* (A. Smith, 1833)
1870	*Vespertilio Bocagii* Peters	*Myotis bocagii bocagii* (Peters, 1870)
1870	*Vespertilio Bocagii* Peters	*Myotis bocagii* (Peters, 1870)
1870	*Vesperugo pusillulus* Peters	*Neoromicia nana* (Peters, 1852)
1871	*Nycteris angolensis* Peters	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1878	*Cynonycteris torquata* Dobson	*Myonycteris torquata torquata* (Dobson, 1878)
1878	*Cynonycteris torquata* Dobson	*Myonycteris torquata* (Dobson, 1878)
1889	*Epomophorus Dobsonii* Bocage	*Epomophorus dobsonii* Bocage, 1889
1889	*Vesperus bicolor* Bocage	*Neoromicia tenuipinnis* (Peters, 1872)
1898	*Cynonycteris Angolensis* Bocage	*Myonycteris angolensis* (Bocage, 1898)
1898	*Cynonycteris Angolensis* Bocage	*Myonycteris angolensis angolensis* (Bocage, 1898)
1898	*Phyllorhina angolensis* Seabra	*Hipposideros caffer* (Sundevall, 1846)
1898	*Rhinolophus angolensis* Seabra	*Rhinolophus lobatus* Peters, 1852
1899	*Ep[omophorus (Epomophorus)] zenkeri* Matschie	*Epomophorus wahlbergi* (Sundevall, 1846)
1900	*Epomophorus anchietæ* Seabra	*Plerotes anchietae* (Seabra, 1900)
1900	*Nyctinomus Anchietæ* Seabra	*Tadarida aegyptiaca bocagei* (Seabra, 1900)

1900	*Nyctinomus Bocagei* Seabra	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
1900	*Nyctinomus brunneus* Seabra	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
1900	*Vesperugo Anchieta* Seabra	*Hypsugo anchietae* (Seabra, 1900)
1900	*Vesperugo (Vesperus) flavescens* Seabra	*Neoromicia flavescens* (Seabra, 1900)
1912	*Cistugo seabræ* Thomas	*Cistugo seabrae* Thomas, 1912
1913	*Nyctinomus ansorgei* Thomas	*Chaerephon ansorgei* (Thomas, 1913)
1933	*Mimetillus berneri* Monard	*Mimetillus thomasi* Hinton, 1920
1933	*Nyctinomus spillmanni* Monard	*Chaerephon nigeriae spillmanni* (Monard, 1933)
1933	*Pipistrellus leucomelas* Monard	*Pipistrellus rueppellii vernayi* Roberts, 1932
1935	*Laephotis angolensis* Monard	*Laephotis angolensis* Monard, 1935
1937	*Eptesicus capensis angolensis* J.Eric Hill	*Pipistrellus grandidieri* (Dobson, 1876)
1937	*Mops chitauensis* J.Eric Hill	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
1950	*Micropteropus grandis* Sanborn	*Epomophorus grandis* (Sanborn, 1950)
1963	*Glauconycteris machadoi* Hayman	*Glauconycteris machadoi* Hayman, 1963
1963	*Micropteropus intermedius* Hayman	*Micropteropus intermedius* Hayman, 1963

Azores (Portugal)

1901	*Pterygistes azoreum* Thomas	*Nyctalus azoreum* (Thomas, 1901)

Benin

1899	*Ep[omophorus (Epomophorus)] zechi* Matschie	*Epomophorus gambianus gambianus* (Ogilby, 1835)

Botswana

1932	*Neoromicia vansoni* Roberts	*Neoromicia zuluensis* (Roberts, 1924)
1932	*Choerephon (Lophomops) langi* Roberts	*Chaerephon pumilus* (Cretzschmar, 1826)
1932	*Eptesicus capensis nkatiensis* Roberts	*Neoromicia capensis* (A. Smith, 1829)
1932	*Pipistrellus vernayi* Roberts	*Pipistrellus rueppellii vernayi* Roberts, 1932
1932	*Scoteinus schlieffenii fitzsimonsi* Roberts	*Nycticeinops schlieffenii* (Peters, 1859)
1971	*Laephotis botswanae* Setzer	*Laephotis botswanae* Setzer, 1971
2017	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017

Cameroon

1875	*Chalinolobus argentatus* Dobson	*Glauconycteris argentata* (Dobson, 1875)
1894	*Scotonycteris zenkeri* Matschie	*Scotonycteris zenkeri* Matschie, 1894
1903	*Miniopterus inflatus* Thomas	*Miniopterus inflatus* Thomas, 1903
1903	*Miniopterus inflatus* Thomas	*Miniopterus inflatus inflatus* Thomas, 1903
1903	*Nycteris arge* Thomas	*Nycteris arge* Thomas, 1903
1903	*Nyctinomus thersites* Thomas	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
1904	*Pipistrellus crassulus* Thomas	*Hypsugo crassulus* (Thomas, 1904)
1904	*Scotophilus nigrita nux* Thomas	*Scotophilus nux* Thomas, 1904
1904	*Myotis Bocagei cupreolus* Thomas	*Myotis bocagii cupreolus* Thomas, 1904
1904	*Pipistrellus nanulus* Thomas	*Pipistrellus nanulus* Thomas, 1904
1906	*Kerivoula muscilla* Thomas	*Kerivoula lanosa* (A. Smith, 1847)
1910	*Casinycteris argynnis* Thomas	*Casinycteris argynnis* Thomas, 1910
1912	*Kerivoula cuprosa* Thomas	*Kerivoula cuprosa* Thomas, 1912
1912	*Petalia major* K. Andersen	*Nycteris major* (K. Andersen, 1912)
1913	*Glauconycteris egeria* Thomas	*Glauconycteris egeria* Thomas, 1913
1913	*Pipistrellus musciculus* Thomas	*Hypsugo musciculus* (Thomas, 1913)
1921	*Hipposideros curtus* G.M. Allen	*Hipposideros curtus* G.M. Allen, 1921
1936	*Rhinolophus alcyone alticolus* Sanborn	*Rhinolophus simulator* K. Andersen, 1904
1937	*Hipposideros sandersoni* Sanderson	*Hipposideros curtus* G.M. Allen, 1921
1943	*Scotonycteris ophiodon* Pohle	*Casinycteris ophiodon* (Pohle, 1943)
1950	*Epomophorus reii* Aellen	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1950	*Epomophorus reii* Aellen	*Epomophorus labiatus* (Temminck, 1837)
1952	*Nycteris benuensis* Aellen	*Nycteris parisii* (de Beaux, 1924)
1956	*Hipposideros camerunensis* Eisentraut	*Hipposideros camerunensis* Eisentraut, 1956
1959	*Pipistrellus inexspectatus* Aellen	*Pipistrellus inexspectatus* Aellen, 1959
1960	*Rousettus aegyptiacus occidentalis* Eisentraut	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1968	*Pipistrellus eisentrauti* Hill	*Hypsugo eisentrauti* (Hill, 1968)
1973	*Glauconycteris gleni* Peterson and Smith	*Glauconycteris gleni* Peterson and Smith, 1973
1981	*Tadarida [(Xiphonycteris)] petersoni* El Rayah	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
2001	*Glauconycteris curryi* Eger and Schlitter	*Glauconycteris curryae* Eger and Schlitter, 2001
2014	*Casinycteris campomaanensis* Hassanin	*Casinycteris campomaanensis* Hassanin, 2014

Canary Islands (Spain)

1859	*Scotophilus darwini* Tomes	*Hypsugo savii* (Bonaparte, 1837)
1907	*Plecotus teneriffae* Barrett-Hamilton	*Plecotus teneriffae* Barrett-Hamilton, 1907
2002	*Barbastella barbastellus guanchae* Trujillo, Ibáñez and Juste	*Barbastella barbastellus* (Schreber, 1774)

Central African Republic

1904	*Epomophorus pousarguesi* Trouessart	*Epomophorus gambianus pousarguesi* Trouessart, 1904
2015	*Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo	*Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
2015	*Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo	*Scotonycteris bergmansi bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015

Comoros

1866	*Pteropus livingstonii* Gray	*Pteropus livingstonii* Gray, 1866
1880	*Pteropus comorensis* Wallace	*Pteropus seychellensis* A. Milne-Edwards, 1877
1959	*Miniopterus minor griveaudi* Harrison	*Miniopterus griveaudi* Harrison, 1959
1960	*? anjouanensis* Dorst	*Myotis anjouanensis* (Dorst, 1960)
1978	*Rousettus (Rousettus) obliviosus* Kock	*Rousettus obliviosus* Kock, 1978

Congo

1912	*Petalia nana* K. Andersen	*Nycteris nana* (K. Andersen, 1912)
1968	*Rhinolophus adami* Aellen and Brosset	*Rhinolophus adami* Aellen and Brosset, 1968
1968	*Triaenops persicus majusculus* Aellen and Brosset	*Triaenops afer* Peters, 1877
1992	*Miniopterus minor occidentalis* Juste and Ibáñez	*Miniopterus minor* Peters, 1867
2005	*Myotis dieteri* M. Happold	*Myotis dieteri* M. Happold, 2005

Congo (Democratic Republic of the)

1887	*Phyllorhina commersonii var. marungensis* Noack	*Macronycteris vittatus* (Peters, 1852)
1889	*Chalinolobus congicus* Noack	*Glauconycteris argentata* (Dobson, 1875)
1889	*Vesperugo pagenstecheri* Noack	*Neoromicia nana* (Peters, 1852)
1889	*Vesperus pusillus* Noack	*Neoromicia nana* (Peters, 1852)
1908	*Myonycteris wroughtoni* K. Andersen	*Myonycteris torquata wroughtoni* K. Andersen, 1908
1915	*Myopterus albatus* Thomas	*Myopterus daubentonii* Desmarest, 1820
1917	*Chærephon (Lophomops) abæ* J.A. Allen	*Chaerephon major* (Trouessart, 1897)
1917	*Chærephon (Lophomops) chapini* J.A. Allen	*Chaerephon chapini* J.A. Allen, 1917
1917	*Chærephon (Lophomops) cristatus* J.A. Allen	*Chaerephon leucogaster* (A. Grandidier, 1869)
1917	*Chærephon frater* J.A. Allen	*Chaerephon leucogaster* (A. Grandidier, 1869)
1917	*Chærephon russatus* J.A. Allen	*Chaerephon russatus* J.A. Allen, 1917
1917	*Eptesicus ater* J.A. Allen	*Neoromicia tenuipinnis* (Peters, 1872)
1917	*Eptesicus faradjius* J.A. Allen	*Neoromicia rendalli* (Thomas, 1889)
1917	*Eptesicus garambæ* J.A. Allen	*Neoromicia capensis* (A. Smith, 1829)
1917	*Glauconycteris alboguttatus* J.A. Allen	*Glauconycteris alboguttata* J.A. Allen, 1917
1917	*Glauconycteris humeralis* J.A. Allen	*Glauconycteris humeralis* J.A. Allen, 1917
1917	*Hipposideros abæ* J.A. Allen	*Hipposideros abae* J.A. Allen, 1917
1917	*Hipposideros caffer niapu* J.A. Allen	*Hipposideros ruber* (Noack, 1893)
1917	*Hipposideros gigas niangaræ* J.A. Allen	*Macronycteris gigas* (Wagner, 1845)
1917	*Hipposideros langi* J.A. Allen	*Doryrhina cyclops* (Temminck, 1853)
1917	*Hipposideros nanus* J.A. Allen	*Hipposideros caffer* (Sundevall, 1846)
1917	*Miniopterus breyeri vicinior* J.A. Allen	*Miniopterus fraterculus* Thomas and Schwann, 1906
1917	*Mops (Allomops) faradjius* J.A. Allen	*Mops (Mops) demonstrator* (Thomas, 1903)
1917	*Mops (Allomops) nanulus* J.A. Allen	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
1917	*Mops (Allomops) occipitalis* J.A. Allen	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
1917	*Mops (Allomops) osborni* J.A. Allen	*Mops (Mops) condylurus* (A. Smith, 1833)
1917	*Mops congicus* J.A. Allen	*Mops (Mops) congicus* J.A. Allen, 1917
1917	*Mops niangaræ* J.A. Allen	*Mops (Mops) niangarae* J.A. Allen, 1917
1917	*Mops trevori* J.A. Allen	*Mops (Mops) trevori* J.A. Allen, 1917
1917	*Nycteris avakubia* J.A. Allen	*Nycteris major* (K. Andersen, 1912)
1917	*Nycteris pallida* J.A. Allen	*Nycteris hispida* (Schreber, 1774)
1917	*Nyctinomus ochraceus* J.A. Allen	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
1917	*Pipistrellus abaensis* J.A. Allen	*Neoromicia nana* (Peters, 1852)
1917	*Rhinolophus abæ* J.A. Allen	*Rhinolophus fumigatus* Rüppell, 1842

1917	*Rhinolophus axillaris* Allen	*Rhinolophus landeri* Martin, 1838
1925	*Nycteris proxima* Lönnberg and Gyldenstolpe	*Nycteris grandis* Peters, 1865
1926	*Mops angolensis niveiventer* Cabrera and Ruxton	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
1936	*Miniopterus rufus* Sanborn	*Miniopterus inflatus rufus* Sanborn, 1936
1939	*Glauconycteris superba* Hayman	*Glauconycteris superba* Hayman, 1939
1942	*Rhinolophus ruwenzorii* J. Eric Hill	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
1951	*Tadarida (Chaerephon) faini* Hayman	*Chaerephon pumilus* (Cretzschmar, 1826)
1957	*Hipposideros beatus maximus* Verschuren	*Hipposideros beatus* (K. Andersen, 1906)
1966	*Megaloglossus woermanni prigoginei* Hayman	*Megaloglossus woermanni* Pagenstecher, 1885
1975	*Tadarida (Chaerephon) gallagheri* Harrison	*Chaerephon gallagheri* (Harrison, 1975)
2013	*Rhinolophus kahuzi* Fahr and Kerbis Peterhans	*Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013
2013	*Rhinolophus willardi* Kerbis Peterhans and Fahr	*Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013
2015	*Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo	*Scotonycteris bergmansi congoensis* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
2017	*Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing	*Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017

Côte d'Ivoire

1954	*Hipposideros marisae* Aellen	*Hipposideros marisae* Aellen, 1954
1959	*Kerivoula harrisoni bellula* Aellen	*Kerivoula lanosa* (A. Smith, 1847)
1959	*Nycteris intermedia* Aellen	*Nycteris intermedia* Aellen, 1959
1972	*Pipistrellus eisentrauti bellieri* De Vree	*Hypsugo crassulus* (Thomas, 1904)
2012	*Megaloglossus azagnyi* Nesi, Kadjo and Hassanin	*Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012

Croatia

1839	*Vespertilio pachygnathus* Michahelles	*Nyctalus leisleri* (Kuhl, 1817)

Egypt

1782	*Vespertilio Microphyllus* Brünnich	*Rhinopoma microphyllum* (Brünnich, 1782)
1810	*Pteropus Egyptiacus* E. Geoffroy Saint-Hilaire	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1813	*Rhinolophus tridens* E. Geoffroy Saint-Hilaire	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
1816	*Rhinopoma brevicaudatum* Oken	*Rhinopoma cystops* Thomas, 1903
1818	*Nycteris Thebaicus* E. Geoffroy Saint-Hilaire	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1818	*Nyctinomus ægyptiacus* E. Geoffroy Saint-Hilaire	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
1818	*Nyctinomus ægyptiacus* E. Geoffroy Saint-Hilaire	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
1818	*Taphozous perforatus* E. Geoffroy Saint-Hilaire	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
1818	*Taphozous perforatus* E. Geoffroy Saint-Hilaire	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
1827	*Dysopes rüpelii* Temminck	*Tadarida teniotis* (Rafinesque, 1814)
1830-1831	*Taphozous nudiventris* Cretzschmar	*Taphozous nudiventris* Cretzschmar, 1830
1838	*Plecotus christii* Gray	*Plecotus christii* Gray, 1838
1858	*Nannugo Kolenatii* Müller	*Pipistrellus "incertae-sedis"*
1859	*Nycticejus Schlieffenii* Peters	*Nycticeinops schlieffenii* (Peters, 1859)
1859	*Otonycteris Hemprichii* Peters	*Otonycteris hemprichii* Peters, 1859
1878	*Plecotus ægyptiacus* Dobson	*Plecotus christii* Gray, 1838
1887	*Vesperugo (Vesperus) Innesi* Lataste	*Eptesicus bottae* (Peters, 1869)
1903	*Rhinopoma cystops* Thomas	*Rhinopoma cystops* Thomas, 1903
1904	*Rhinolophus Andersoni* Thomas	*Rhinolophus clivosus* Cretzschmar, 1828
1905	*Rhinolophus acrotis brachygnatus* K. Andersen	*Rhinolophus clivosus* Cretzschmar, 1828
1910	*Vampyravus orientalis* Schlosser	*Vampyravus orientalis* Schlosser, 1910
1954	*Vespertilio brevicauda* Stresemann	*Rhinopoma cystops* Thomas, 1903
1954	*Vespertilio ferox* Stresemann	*Rhinopoma cystops* Thomas, 1903
2008	*Dhofarella sigei* Gunnell, Simons and Seiffert	*Dhofarella sigei* Gunnell, Simons and Seiffert, 2008
2008	*Khonsunycteris aegypticus* Gunnell, Simons and Seiffert	*Khonsunycteris aegypticus* Gunnell, Simons and Seiffert, 2008
2008	*Plecotus christii petraeus* Benda	*Plecotus christii* Gray, 1838

2008	*Qarunycteris moerisae* Gunnell, Simons and Seiffert	*Qarunycteris moerisae* Gunnell, Simons and Seiffert, 2008
2008	*Saharaderma pseudovampyrus* Gunnell, Simons and Seiffert	*Saharaderma pseudovampyrus* Gunnell, Simons and Seiffert, 2008
2008	*Witwatia eremicus* Gunnell, Simons and Seiffert	*Witwatia eremicus* Gunnell, Simons and Seiffert, 2008
2008	*Witwatia schlosseri* Gunnell, Simons and Seiffert	*Witwatia schlosseri* Gunnell, Simons and Seiffert, 2008
2014	*Phasmatonycteris butleri* Gunnell, Simmons and Seiffert	*Phasmatonycteris butleri* Gunnell, Simmons and Seiffert, 2014
2014	*Phasmatonycteris phiomensis* Gunnell, Simmons and Seiffert	*Phasmatonycteris phiomensis* Gunnell, Simmons and Seiffert, 2014
2015	*Hipposideros (Pseudorhinolophus) amenhotepos* Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich	*Hipposideros amenhotepos* Gunnell, Winkler, Miller, Head, El-Barkooky, Gawad, Sanders, and Gingerich, 2015
2016	*Aegyptonycteris knightae* Simmons, Seiffert and Gunnell	*Aegyptonycteris knightae* Simmons, Seiffert and Gunnell, 2016

Equatorial Guinea

1838	*Rhinolophus landeri* Martin	*Rhinolophus landeri* Martin, 1838
1843	*Nycteris poensis* Gray	*Nycteris hispida* (Schreber, 1774)
1843	*Rhinolophus Martini* Fraser	*Nycteris hispida* (Schreber, 1774)
1904	*Scotonycteris bedfordi* Thomas	*Scotonycteris zenkeri* Matschie, 1894
1906	*Hipposiderus beatus* K. Andersen	*Hipposideros beatus* (K. Andersen, 1906)
1920	*Rousettus (Lissonycteris) crypticola* Cabrera	*Myonycteris angolensis* (Bocage, 1898)
2000	*Eidolon helvum annobonensis* Juste, Ibáñez and Machordom	*Eidolon helvum helvum* (Kerr, 1792)

Eritrea

1826	*Dysopes pumilus* Cretzschmar	*Chaerephon pumilus* (Cretzschmar, 1826)
1840	*Vespertilio hesperida* Temminck	*Pipistrellus hesperidus hesperidus* (Temminck, 1840)
1840	*Vespertilio hesperida* Temminck	*Pipistrellus hesperidus* (Temminck, 1840)
1861	*Nycteris labiata* Heuglin	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1861	*Nycticejus flavigaster* Heuglin	*Scotophilus leucogaster* (Cretzschmar, 1826)
1861	*Nyctinomus (Dysopes) ventralis* Heuglin	*Tadarida ventralis* (Heuglin, 1861)
1861	*Nyctinomus bivittatus* Heuglin	*Chaerephon bivittatus* (Heuglin, 1861)
1861	*Phyllorrhina bicornis* Heuglin	*Hipposideros tephrus* (Cabrera, 1906)
1861	*Phyllorrhina megalotis* Heuglin	*Hipposideros megalotis* (Heuglin, 1861)
1861	*Rhinolophus acrotis* Heuglin	*Rhinolophus clivosus* Cretzschmar, 1828
1861	*Rhinolophus miminus* Heuglin	*Rhinolophus hipposideros* (Bechstein, 1800)
1885	*Taphozous perforatus var. assabensis* Monticelli	*Taphozous nudiventris* Cretzschmar, 1830
1899	*Ep[omophorus (Epomophorus)] doriae* Matschie	*Epomophorus labiatus* (Temminck, 1837)
1905	*Rhinolophus andreinii* Senna	*Rhinolophus blasii* Peters, 1867
1931	*Asellia patrizii* de Beaux	*Asellia patrizii* de Beaux, 1931

Ethiopia

1842	*Pteropus Schoënsis* Rüppell	*Epomophorus labiatus* (Temminck, 1837)
1842	*Rhinolophus fumigatus* Rüppell	*Rhinolophus fumigatus* Rüppell, 1842
1842	*Vespertilio Pipistrellus varietas africana* Rüppell	*Neoromicia nana* (Peters, 1852)
1861	*Nycticejus murino-flavus* Heuglin	*Scotophilus leucogaster* (Cretzschmar, 1826)
1872	*Megaderma cor* Peters	*Cardioderma cor* (Peters, 1872)
1877	*N[ycticejus] adovanus* Heuglin	*Nycticeinops schlieffenii* (Peters, 1859)
1877	*Nycticejus eriophorus* Heuglin	*Kerivoula eriophora* (Heuglin, 1877)
1877	*Rhinolophus macrocephalus* Heuglin	*Rhinolophus fumigatus* Rüppell, 1842
1885	*Rhinolophus antinorii* Dobson	*Rhinolophus fumigatus* Rüppell, 1842
1901	*Kerivoula harrisoni* Thomas	*Kerivoula lanosa* (A. Smith, 1847)
1906	*Platymops Macmillani* Thomas	*Platymops setiger macmillani* Thomas, 1906
1912	*Petalia damarensis media* K. Andersen	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1927	*Myotis scotti* Thomas	*Myotis scotti* Thomas, 1927
1936	*Miniopterus africanus* Sanborn	*Miniopterus africanus* Sanborn, 1936
1971	*Myotis morrisi* Hill	*Myotis morrisi* Hill, 1971
1984	*Hipposideros kaumbului* Wesselman	*Hipposideros kaumbului* Wesselman, 1984
1984	*Taphozous abitus* Wesselman	*Saccolaimus abitus* (Wesselman, 1984)
1991	*Epomophorus minimus* Claessen and De Vree	*Epomophorus minimus* Claessen & De Vree, 1991
1997	*Lissonycteris angolensis petraea* Bergmans	*Myonycteris angolensis petraea* (Bergmans, 1997)

2000	*Plecotus balensis* Kruskop and Lavrenchenko	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
2014	*Scotophilus ejetai* Brooks and Bickham	*Scotophilus ejetai* Brooks and Bickham, 2014
2015	*Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb	*Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015

France

1774	*Vespertilio barbastellus* Schreber	*Barbastella barbastellus* (Schreber, 1774)
1774	*Vespertilio ferrum-equinum* Schreber	*Rhinolophus ferrumequinum* (Schreber, 1774)
1774	*Vespertilio pipistrellus* Schreber	*Pipistrellus pipistrellus* (Schreber, 1774)
1792	*minor* Kerr	*Rhinolophus hipposideros* (Bechstein, 1800)
1792	*Vespertilio ferrum-equinum major* Kerr	*Rhinolophus ferrumequinum* (Schreber, 1774)
1800	*Vespertilio hipposideros* Bechstein	*Rhinolophus hipposideros* (Bechstein, 1800)
1806	*Vespertilio emarginatus* E. Geoffroy Saint-Hilaire	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
1898	*Miomegaderma gaillardi* Trouessart	*Megaderma gaillardi* (Trouessart, 1898)
1904	*E[uryalus] atlanticus* K. Andersen and Matschie	*Rhinolophus euryale* Blasius, 1853

Gabon

1860	*Epomophorus franqueti* Tomes	*Epomops franqueti* (Tomes, 1860)
1862	*Pteropus mollipilosus* H. Allen	*Eidolon helvum helvum* (Kerr, 1792)
1870	*Eleutherura unicolor* Gray	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1875	*Vespertilio murinus africanus* Dobson	*Myotis punicus* Felten, 1977
1876	*Epomophorus macrocephalus* Peters	*Hypsignathus monstrosus* H. Allen, 1862
1885	*Megaloglossus woermanni* Pagenstecher	*Megaloglossus woermanni* Pagenstecher, 1885
1897	*Rhinolophus micaceus* de Winton	*Doryrhina cyclops* (Temminck, 1853)
1897	*[Vesperugo (Vesperus) serotinus] Var. Gabonensis* Trouessart	*Eptesicus isabellinus* (Temminck, 1840)
1906	*Hipposiderus caffer guineensis* K. Andersen	*Hipposideros ruber* (Noack, 1893)
1959	*Rhinolophus silvestris* Aellen	*Rhinolophus silvestris* Aellen, 1959
1966	*Tadarida (Chaerephon) cyclotis* Brosset	*Chaerephon aloysiisabaudiae* (Festa, 1907)

Germany

1817	*Vespertilio Leisleri* Kuhl	*Nyctalus leisleri* (Kuhl, 1817)
1817	*Vespertilio mystacinus* Kuhl	*Myotis mystacinus* (Kuhl, 1817)
1827	*Vespertilio ferrugineus* Brehm	*Nyctalus lasiopterus* (Schreber, 1780)
1983	*Tadarida engesseri* Rachl	*Tadarida engesseri* Rachl, 1983

Ghana

1853	*Phyllorrhina cyclops* Temminck	*Doryrhina cyclops* (Temminck, 1853)
1853	*Phyllorrhina fuliginosa* Temminck	*Hipposideros fuliginosus* (Temminck, 1853)
1853	*Rhinolophus alcyone* Temminck	*Rhinolophus alcyone* Temminck, 1853
1853	*Taphozous peli* Temminck	*Saccolaimus peli* (Temminck, 1853)
1865	*Nycteris grandis* Peters	*Nycteris grandis* Peters, 1865
1899	*Scotophilus hirundo* de Winton	*Scotoecus hirundo* (de Winton, 1899)
1899	*Scotophilus nigritellus* de Winton	*Scotophilus viridis* (Peters, 1852)
1911	*Xiphonycteris spurrelli* Dollman	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
1912	*Kerivoula phalæna* Thomas	*Kerivoula phalaena* Thomas, 1912
1946	*Scotonycteris ophiodon cansdalei* Hayman	*Casinycteris ophiodon* (Pohle, 1943)
1947	*Scotonycteris zenkeri occidentalis* Hayman	*Scotonycteris occidentalis* Hayman, 1947
1947	*Glauconycteris superba sheila* Hayman	*Glauconycteris superba* Hayman, 1939
1983	*Scotophilus nucella* Robbins	*Scotophilus nucella* Robbins, 1983

Guinea

1872	*Vesperus tenuipinnis* Peters	*Neoromicia tenuipinnis* (Peters, 1872)
1898	*Rhinolophus Maclaudi* Pousargues	*Rhinolophus maclaudi* Pousargues, 1898
1956	*Miniopterus inflatus villiersi* Aellen	*Miniopterus schreibersii* (Kuhl, 1817)
1960	*Rhinolophus denti knorri* Eisentraut	*Rhinolophus denti* Thomas, 1904
1960	*Rhinolophus landeri guineensis* Eisentraut	*Rhinolophus guineensis* Eisentraut, 1960
1985	*Hipposideros lamottei* Brosset	*Hipposideros lamottei* Brosset, 1985
2002	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
2016	*Neoromicia isabella* Decher, Hutterer and Monadjem	*Neoromicia isabella* Decher, Hutterer and Monadjem, 2016

Guinea-Bissau

1889	*Vesperus guineensis* Bocage	*Neoromicia guineensis* (Bocage, 1889)
1898	*Epomophorus guineensis* Bocage	*Epomophorus gambianus* (Ogilby, 1835)
1898	*Epomophorus guineensis* Bocage	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1939	*Coleura kummeri* Monard	*Coleura afra* (Peters, 1852)
1939	*Hipposideros braima* Monard	*Hipposideros tephrus* (Cabrera, 1906)
1939	*Hipposideros gigas viegasi* Monard	*Macronycteris gigas* (Wagner, 1845)
1939	*Mops osborni occidentalis* Monard	*Mops (Mops) condylurus* (A. Smith, 1833)
1939	*Mops osborni occidentalis f. fulva* Monard	*Mops (Mops) condylurus* (A. Smith, 1833)
1939	*Nycteris æthiopica guineensis* Monard	*Nycteris macrotis* Dobson, 1876
1939	*Nycteris æthiopica guineensis f. aurantiaca* Monard	*Nycteris macrotis* Dobson, 1876

Iraq

1902	*Otonycteris petersi* Anderson	*Otonycteris hemprichii* Peters, 1859

Italy

1780	*Vespertilio lasiopterus* Schreber	*Nyctalus lasiopterus* (Schreber, 1780)
1814	*Cephalotes teniotis* Rafinesque	*Tadarida teniotis* (Rafinesque, 1814)
1817	*Vespertilio Kuhlii* Kuhl	*Pipistrellus kuhlii* (Kuhl, 1817)
1825	*Dinops Cestonii* Savi	*Tadarida teniotis* (Rafinesque, 1814)
1837	*Vespertilio Capaccinii* Bonaparte	*Myotis capaccinii* (Bonaparte, 1837)
1837	*Vespertilio Savii* Bonaparte	*Hypsugo savii* (Bonaparte, 1837)
1853	*Rhinolophus euryale* Blasius	*Rhinolophus euryale* Blasius, 1853
1867	*Rhinolophus blasii* Peters	*Rhinolophus blasii* Peters, 1867
1868	*V[espertilio noctula] var. sicula* Mina-Palumbo	*Nyctalus lasiopterus* (Schreber, 1780)

Kenya

1877	*Triænops afer* Peters	*Triaenops afer* Peters, 1877
1878	*Mormopterus setiger* Peters	*Platymops setiger setiger* (Peters, 1878)
1878	*Mormopterus setiger* Peters	*Platymops setiger* (Peters, 1878)
1878	*Rhinolophus Hildebrandtii* Peters	*Rhinolophus hildebrandtii* Peters, 1878
1891	*Nyctinomus lobatus* Thomas	*Tadarida lobata* (Thomas, 1891)
1899	*Ep[omophorus (Epomophorus)] neumanni* Matschie	*Epomophorus wahlbergi* (Sundevall, 1846)
1901	*Scotœcus Hindei* Thomas	*Scotoecus hindei* Thomas, 1901
1901	*Læphotis Wintoni* Thomas	*Laephotis wintoni* Thomas, 1901
1901	*Clœotis Percivali* Thomas	*Cloeotis percivali* Thomas, 1901
1901	*Nycteris aethiopica luteola* Thomas	*Nycteris macrotis* Dobson, 1876
1901	*Pipistrellus Kuhlii fuscatus* Thomas	*Pipistrellus hesperidus hesperidus* (Temminck, 1840)
1904	*Myotis Hildegardeæ* Thomas	*Myotis bocagii bocagii* (Peters, 1870)
1904	*Nyctinomus hindei* Thomas	*Chaerephon pumilus* (Cretzschmar, 1826)
1904	*Scotophilus nigrita colias* Thomas	*Scotophilus dinganii* (A. Smith, 1833)
1904	*Hipposideros Commersoni mostellum* Thomas	*Macronycteris vittatus* (Peters, 1852)
1905	*Rhinolophus fumigatus exsul* K. Andersen	*Rhinolophus fumigatus* Rüppell, 1842
1905	*Lavia rex* Miller	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
1909	*Taphozous hildegardeæ* Thomas	*Taphozous hildegardeae* Thomas, 1909
1909	*Rousettus kempi* Thomas	*Stenonycteris lanosus* (Thomas, 1906)
1909	*Scotœcus albigula* Thomas	*Scotoecus albigula* Thomas, 1909
1911	*Eptesicus phasma* G.M. Allen	*Neoromicia rendalli* (Thomas, 1889)
1911	*Nycticeius africanus* G.M. Allen	*Nycticeinops schlieffenii* (Peters, 1859)
1912	*Petalia aurita* K. Andersen	*Nycteris aurita* (K. Andersen, 1912)
1912	*Miniopterus natalensis arenarius* Heller	*Miniopterus natalensis* (A. Smith, 1833)
1912	*Pipistrellus aero* Heller	*Pipistrellus aero* Heller, 1912
1912	*Pipistrellus helios* Heller	*Neoromicia helios* (Heller, 1912)
1915	*Taphozous perforatus hædinus* Thomas	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
1916	*Chaerephon pumilus naivashæ* Hollister	*Chaerephon pumilus* (Cretzschmar, 1826)
1916	*Rhinolophus keniensis* Hollister	*Rhinolophus clivosus* Cretzschmar, 1828
1923	*Petalia (Nycteris) thebaica aurantiaca* de Beaux	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1923	*Scotoecus artinii* de Beaux	*Scotoecus hirundo* (de Winton, 1899)
1924	*Eptesicus loveni* Granvik	*Myotis tricolor* (Temminck, 1832)
1936	*Nycteris nana tristis* G.M. Allen and Lawrence	*Nycteris nana* (K. Andersen, 1912)
1937	*R[hinopoma] cystops macinnesi* Hayman	*Rhinopoma macinnesi* Hayman, 1937
1957	*Saccolaimus incognita* Butler and Hopwood	*Taphozous incognita* (Butler & Hopwood, 1957)

1960	*Platymops barbatogularis parkeri* Harrison and Fleetwood	*Platymops setiger macmillani* Thomas, 1906
1980	*Myonycteris relicta* Bergmans	*Myonycteris relicta* Bergmans, 1980
1982	*Glauconycteris kenyacola* Peterson	*Glauconycteris kenyacola* Peterson, 1982
1984	*Chamtwaria pickfordi* Butler	*Chamtwaria pickfordi* Butler, 1984
1986	*Eptesicus hottentotus portavernus* Schlitter and Aggundey	*Eptesicus hottentotus* (A. Smith, 1833)
2002	*Tadarida rusingae* Arroyo-Cabrales, Gregorin, Schlitter and Walker	*Mops rusingae* (Arroyo-Cabrales, Gregorin, Schlitter and Walker, 2002)
2014	*Scotophilus andrewreborii* Brooks and Bickham	*Scotophilus andrewreborii* Brooks and Bickham, 2014
2014	*Scotophilus livingstonii* Brooks and Bickham	*Scotophilus livingstonii* Brooks and Bickham, 2014
2014	*Scotophilus trujilloi* Brooks and Bickham	*Scotophilus trujilloi* Brooks and Bickham, 2014

Liberia

1846	*Pteropus Haldemani* Hallowell	*Epomophorus wahlbergi* (Sundevall, 1846)
1881	*Leiponyx büttikoferi* Jentink	*Eidolon helvum helvum* (Kerr, 1792)
1888	*Epomophorus veldkampii* Jentink	*Nanonycteris veldkampii* (Jentink, 1888)
1888	*Vesperugo stampflii* Jentink	*Neoromicia nana* (Peters, 1852)
1899	*Ep[omophorus (Epomophorus)] büttikoferi* Matschie	*Epomops buettikoferi* (Matschie, 1899)
1900	*Pipistrellus minusculus* Miller	*Neoromicia nana* (Peters, 1852)
1989	*Rhinolophus clivosus hillorum* Koopman	*Rhinolophus hillorum* Koopman, 1989
2013	*Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg	*Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013

Libya

1835-1841	*Vespertilio isabellinus* Temminck	*Eptesicus isabellinus* (Temminck, 1840)
1902	*Pipistrellus deserti* Thomas	*Pipistrellus kuhlii* (Kuhl, 1817)
2004	*Pipistrellus hanaki* Hulva and Benda	*Pipistrellus hanaki* Hulva and Benda, 2004
2004	*Plecotus teneriffae gaisleri* Benda, Kiefer, Hanák and Veith	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
2006	*Scotophilisis libycus* Horácek, Fejfar and Hulva	*Scotophilisis libycus* Horácek, Fejfar and Hulva, 2006

Madagascar

1803	*Pteropus rufus* E. Geoffroy Saint-Hilaire	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1810	*Pteropus Edwardsii* E. Geoffroy Saint-Hilaire	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1813	*Rhinolophus Commersonii* E. Geoffroy Saint-Hilaire	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
1816	*Pteropus madagascariensis* Oken	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1825	*Pteropus phaiops* Temminck	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1834	*Vespertilio goudoti* A. Smith	*Myotis goudoti* (A. Smith, 1834)
1838	*Pteropus phæops* Oken	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1858	*Vespertilio Madagascariensis* Tomes	*Myotis goudoti* (A. Smith, 1834)
1865	*Nyctinomus (Mormopterus) jugularis* Peters	*Mormopterus jugularis* (Peters, 1865)
1867	*Pteropus dupréanus* Schlegel	*Eidolon dupreanum* (Schegel, 1867)
1869	*Nyctinomus leucogaster* A. Grandidier	*Chaerephon leucogaster* (A. Grandidier, 1869)
1869	*Nyctinomus Miarensis* A. Grandidier	*Mops (Mops) midas miarensis* (A. Grandidier, 1869)
1870	*Nyctinomus unicolor* A. Grandidier	*Mops (Mops) midas miarensis* (A. Grandidier, 1869)
1870	*Vespertilio sylvicola* A. Grandidier	*Myotis goudoti* (A. Smith, 1834)
1874	*Emballonura atrata* Peters	*Paremballonura atrata* (Peters, 1874)
1877	*Nyctinomus [(Mormopterus)] albiventer* Dobson	*Mormopterus jugularis* (Peters, 1865)
1878	*Myzopoda aurita* A. Milne-Edwards and A. Grandidier	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
1879	*Taphozous Dobsoni* Jentink	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
1881	*Scotophilus robustus* A. Milne-Edwards	*Scotophilus robustus* A. Milne-Edwards, 1881
1881	*Vesperus Humbloti* A. Milne-Edwards	*Neoromicia humbloti* (A. Milne-Edwards, 1881)
1903	*Nyctinomus fulminans* Thomas	*Tadarida fulminans* (Thomas, 1903)
1905	*Vespertilio matroka* Thomas and Schwann	*Neoromicia matroka* (Thomas and Schwann, 1905)
1906	*Miniopterus Majori* Thomas	*Miniopterus majori* Thomas, 1906
1906	*Miniopterus manavi* Thomas	*Miniopterus manavi* Thomas, 1906
1907	*Triaenops furcula* Trouessart	*Paratriaenops furculus* (Trouessart, 1907)
1908	*Pteropus rufus princeps* K. Andersen	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
1912	*Triænops aurita* G. Grandidier	*Paratriaenops auritus* (G. Grandidier, 1912)
1918	*Chaerephon leucostigma* G.M. Allen	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
1929	*Rousettus madagascariensis* G. Grandidier	*Rousettus madagascariensis* G. Grandidier, 1929
1937	*Nycteris madagascariensis* G. Grandidier	*Nycteris madagascariensis* G. Grandidier, 1937
1953	*Otomops madagascariensis* Dorst	*Otomops madagascariensis* Dorst, 1953

1995	*Eptesicus somalicus malagasyensis* Peterson, Eger and Mitchell	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
1995	*Miniopterus gleni* Peterson, Eger and Mitchell	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
2004	*Chaerephon jobimena* Goodman and Cardiff	*Chaerephon jobimena* Goodman and Cardiff, 2004
2005	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
2006	*Emballonura tiavato* Goodman, Cardiff, Ranivo, Russell and Yoder	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
2006	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
2006	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
2007	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
2007	*Hipposideros besaoka* Samonds	*Hipposideros besaoka* Samonds, 2007
2007	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
2007	*Triaenops goodmani* Samonds	*Triaenops goodmani* Samonds, 2007
2008	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis and Appleton	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
2009	*Triaenops menamena* Goodman and Ranivo	*Triaenops menamena* Goodman and Ranivo, 2009
2009	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
2009	*Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton	*Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
2009	*Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton	*Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
2009	*Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton	*Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009
2010	*Chaerephon atsinanana* Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb	*Chaerephon atsinanana* Goodman, Buccas, Naidoo, Ratrimomanarivo, Taylor and Lamb, 2010
2011	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
2012	*Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer	*Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012
2012	*Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling	*Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
2015	*Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton	*Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015
2015	*Hypsugo bemainty* Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton	*Hypsugo bemainty* Goodman, Rakotondramanana, Ramasindrazana, Kearney, Monadjem, Schoeman, Taylor, Naughton and Appleton, 2015
2016	*Hipposideros cryptovalorona* Goodman, Schoeman, Rakotoarivelo and Willows-Munro	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)

Madeira (Portugal)

1825	*Nyctalus verrucosus* Bowdich	*Nyctalus leisleri* (Kuhl, 1817)
1878	*Vesperugo [(Vesperugo)] maderensis* Dobson	*Pipistrellus maderensis* (Dobson, 1878)
1906	*Pterygistes madeiræ* Barrett-Hamilton	*Nyctalus leisleri* (Kuhl, 1817)

Malawi

1904	*Rhinolophus augur zambesiensis* K. Andersen	*Rhinolophus clivosus* Cretzschmar, 1828
1904	*Rhinolophus empusa* K. Andersen	*Rhinolophus blasii* Peters, 1867
1917	*Scotoecus woodi* Thomas	*Scotoecus albofuscus* (Thomas, 1890)
1922	*Nycteris oriana* Kershaw	*Nycteris macrotis* Dobson, 1876
1946	*Eptesicus hottentotus bensoni* Roberts	*Eptesicus hottentotus* (A. Smith, 1833)
2004	*Epomophorus anselli* Bergmans and Van Strien	*Epomophorus anselli* Bergmans and Van Strien, 2004

Mali

1928	*Chærophon (Lophomops) nigri* Hatt	*Chaerephon leucogaster* (A. Grandidier, 1869)
1936	*Mops angolensis wonderi* Sanborn	*Mops (Mops) condylurus* (A. Smith, 1833)

Mauritius

1802	*Spectrum rubidum* Daudin	*Pteropus subniger* (Kerr, 1792)
1803	*Pteropus ruber* E. Geoffroy Saint-Hilaire	*Pteropus subniger* (Kerr, 1792)
1804	*V[espertilio] acetabulosus* Hermann	*Mormopterus acetabulosus acetabulosus* (Hermann, 1804)
1804	*V[espertilio] acetabulosus* Hermann	*Mormopterus acetabulosus* (Hermann, 1804)
1804	*V[espertilio] mauritianus* Hermann	*Pteropus niger* (Kerr, 1792)
1815	*Pteropus collaris* Illiger	*Pteropus subniger* (Kerr, 1792)
1818	*Taphozous mauritianus* E. Geoffroy Saint-Hilaire	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
1823-1824	*Nyctinomus mauritianus* Horsfield	*Mormopterus acetabulosus acetabulosus* (Hermann, 1804)
1907	*Pteropus mascarinus* Mason	*Pteropus rodricensis* Dobson, 1878

Mayotte

1908	*Pteropus comorensis* Nicoll	*Pteropus seychellensis* A. Milne-Edwards, 1877

Morocco

1904	*E[uryalus] barbarus* K. Andersen and Matschie	*Rhinolophus mehelyi* Matschie, 1901
1906	*Hipposiderus tephrus* Cabrera	*Hipposideros tephrus* (Cabrera, 1906)
1918	*[Rhinolophus hipposideros] escaleræ* K. Andersen	*Rhinolophus hipposideros* (Bechstein, 1800)
1937	*Rhinolophus hipposideros vespa* Laurent	*Rhinolophus hipposideros* (Bechstein, 1800)
1937	*Asellia tridens pallida* Laurent	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
1961	*Afropterus gigas* Lavocat	*Megaderma gaillardi* (Trouessart, 1898)
1961	*Afropterus gigas* Lavocat	*Megaderma gigas* (Lavocat, 1961)
1961	*Rhinolophus ferrumequinum mellali* Lavocat	*Rhinolophus mellali* Lavocat, 1961
1976	*Megaderma jaegeri* Sigé	*Megaderma jaegeri* Sigé, 1976
2011	*Miniopterus horaceki* Gunnell, Eiting, and Geraads	*Miniopterus horaceki* Gunnell, Eiting, and Geraads, 2011
2011	*Myotis darelbeidensis* Gunnell, Eiting, and Geraads	*Myotis darelbeidensis* Gunnell, Eiting, and Geraads, 2011
2011	*Rhinolophus maghrebensis* Gunnell, Eiting, and Geraads	*Rhinolophus maghrebensis* Gunnell, Eiting, and Geraads, 2011
2014	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014

Mozambique

1852	*Dysopes brachypterus* Peters	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
1852	*Dysopes dubius* Peters	*Chaerephon pumilus* (Cretzschmar, 1826)
1852	*Dysopes limbatus* Peters	*Chaerephon pumilus* (Cretzschmar, 1826)
1852	*Emballonura afra* Peters	*Coleura afra* (Peters, 1852)
1852	*Epomophorus crypturus* Peters	*Epomophorus crypturus* Peters, 1852
1852	*Nycteris fuliginosa* Peters	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1852	*Nycteris villosa* Peters	*Nycteris hispida* (Schreber, 1774)
1852	*Nycticejus planirostris* Peters	*Scotophilus dinganii* (A. Smith, 1833)
1852	*Nycticejus viridis* Peters	*Scotophilus viridis* (Peters, 1852)
1852	*Phyllorhina caffra* Peters	*Hipposideros caffer* (Sundevall, 1846)
1852	*Phyllorrhina gracilis* Peters	*Hipposideros caffer* (Sundevall, 1846)
1852	*Phyllorrhina patellifera* Peters	*Hipposideros caffer* (Sundevall, 1846)
1852	*Phyllorrhina vittata* Peters	*Macronycteris vittatus* (Peters, 1852)
1852	*Rhinolophus lobatus* Peters	*Rhinolophus lobatus* Peters, 1852
1852	*Vespertilio nanus* Peters	*Neoromicia nana* (Peters, 1852)
1865	*Nycticejus nidicola* Kirk	*Kerivoula argentata* Tomes, 1861
1870	*Epomophorus macrocephalus var. unicolor* Gray	*Epomophorus wahlbergi* (Sundevall, 1846)
1908	*Scoteinus schlieffeni australis* Thomas and Wroughton	*Nycticeinops schlieffenii* (Peters, 1859)
1965	*Nycteris vinsoni* Dalquest	*Nycteris vinsoni* Dalquest, 1965
1965	*Scotophilus alvenslebeni* Dalquest	*Scotophilus nigrita* (Schreber, 1774)
2012	*Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill	*Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
2012	*Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill	*Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
2013	*Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton	*Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013

2018	*Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards	*Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018

Namibia

1861	*Kerivoula argentata* Tomes	*Kerivoula argentata* Tomes, 1861
1861	*Scotophilus rusticus* Tomes	*Pipistrellus rusticus* (Tomes, 1861)
1861	*Scotophilus variegatus* Tomes	*Glauconycteris variegata* (Tomes, 1861)
1869	*Rhinolophus æthiops* Peters	*Rhinolophus fumigatus* Rüppell, 1842
1871	*Nycteris damarensis* Peters	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1889	*Vesperus damarensis* Noack	*Neoromicia capensis* (A. Smith, 1829)
1906	*Scotophilus damarensis* Thomas	*Scotophilus leucogaster* (Cretzschmar, 1826)
1906	*Scotophilus nigrita herero* Thomas	*Scotophilus dinganii* (A. Smith, 1833)
1917	*Platymops haagneri* Roberts	*Sauromys petrophilus haagneri* (Roberts, 1917)
1926	*Chaerephon (Lophomops) shortridgei* Thomas	*Chaerephon chapini* J.A. Allen, 1917
1926	*Pipistrellus fouriei* Thomas	*Neoromicia nana* (Peters, 1852)
1927	*Miniopterus smitianus* Thomas	*Miniopterus natalensis* (A. Smith, 1833)
1946	*Platymops petrophilus erongensis* Roberts	*Sauromys petrophilus erongensis* (Roberts, 1946)
1946	*Rhinolophus darlingi damarensis* Roberts	*Rhinolophus damarensis* Roberts, 1946
1971	*Laephotis namibensis* Setzer	*Laephotis namibensis* Setzer, 1971

Nigeria

1842	*Kerivoula poensis* Gray	*Glauconycteris poensis* (Gray, 1842)
1862	*Sphyrocephalus labrosus* A. Murray	*Hypsignathus monstrosus* H. Allen, 1862
1868	*Epomophorus pusillus* Peters	*Micropteropus pusillus* (Peters, 1868)
1868	*Vesperus (Hesperoptenus) kraussii* Peters	*Glauconycteris poensis* (Gray, 1842)
1875	*Scotophilus gigas* Dobson	*Scotophilus nigrita* (Schreber, 1774)
1880	*Kerivoula Smithii* Thomas	*Kerivoula smithii* Thomas, 1880
1880	*Vesperugo (Vesperus) brunneus* Thomas	*Neoromicia brunnea* (Thomas, 1880)
1891	*Vesperugo (Vesperus) Moloneyi* Thomas	*Mimetillus moloneyi* (Thomas, 1891)
1900	*Mormopterus Whitleyi* Scharff	*Myopterus whitleyi* (Scharff, 1900)
1901	*Vespertilio platyops* Thomas	*Eptesicus platyops* (Thomas, 1901)
1908	*Chœrephon websteri* Dollman	*Chaerephon leucogaster* (A. Grandidier, 1869)
1910	*Epomops franqueti strepitans* K. Andersen	*Epomops franqueti* (Tomes, 1860)
1911	*Pipistrellus culex* Thomas	*Neoromicia nana* (Peters, 1852)
1913	*Chærephon nigeriæ* Thomas	*Chaerephon nigeriae nigeriae* Thomas, 1913
1913	*Chærephon nigeriæ* Thomas	*Chaerephon nigeriae* Thomas, 1913
1913	*Rhinolophus foxi* Thomas	*Rhinolophus fumigatus* Rüppell, 1842
1915	*Scotoecus falabæ* Thomas	*Scotoecus hindei* Thomas, 1901
1940	*Mops calabarensis* Hayman	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
1958	*Taphozous perforatus swirae* Harrison	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818

Oman

1994	*Dhofarella thaleri* Sigé, Thomas, Sen, Gheerbrant, Roger and Al-Sulaimani	*Dhofarella thaleri* Sigé et al., 1994

Pakistan

1881	*Phyllorhina tridens murraiana* Anderson	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)

Réunion

1792	*Vespertilio vampirus niger* Kerr	*Pteropus niger* (Kerr, 1792)
1792	*Vespertilio vampyrus subniger* Kerr	*Pteropus subniger* (Kerr, 1792)
1803	*Pteropus fuscus* E. Geoffroy Saint-Hilaire	*Pteropus niger* (Kerr, 1792)
1803	*Vespertilio borbonicus* E. Geoffroy Saint-Hilaire	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
1810	*Pteropus rubricollis* E. Geoffroy Saint-Hilaire	*Pteropus subniger* (Kerr, 1792)
1810	*Pteropus vulgaris* E. Geoffroy Saint-Hilaire	*Pteropus niger* (Kerr, 1792)
1895	*Pteropus pteropus* Merriam	*Pteropus niger* (Kerr, 1792)
2008	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst and Bowie	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008

Romania

1817	*Vespertilio schreibersii* Kuhl	*Miniopterus schreibersii* (Kuhl, 1817)
1901	*Rhinolophus mehelyi* Matschie	*Rhinolophus mehelyi* Matschie, 1901

Rwanda

1973	*Rhinolophus hilli* Aellen	*Rhinolophus hilli* Aellen, 1973

São Tomé and Principé

1889	*Cynonycteris brachycephala* Bocage	*Myonycteris brachycephala* (Bocage, 1889)
1889	*Miniopterus Newtoni* Bocage	*Miniopterus newtoni* Bocage, 1889
1891	*Phyllorhina commersoni var. thomensis* Bocage	*Macronycteris vittatus* (Peters, 1852)
1993	*Rousettus aegyptiacus thomensis* Feiler, Haft and Widmann	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1993	*Tadarida (Chaerephon) tomensis* Juste and Ibáñez	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
1993	*Rousettus aegyptiacus tomensis* Juste and Ibáñez	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1993	*Roussetus aegyptiacus princeps* Juste and Ibáñez	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)

Saudi Arabia

1828	*Rhinolophus clivosus* Cretzschmar	*Rhinolophus clivosus* Cretzschmar, 1828
1924	*Otonycteris jin* Cheesman and Hinton	*Otonycteris hemprichii* Peters, 1859

Senegal

1774	*Vespertilio hispidus* Schreber	*Nycteris hispida* (Schreber, 1774)
1774	*Vespertilio Nigrita* Schreber	*Scotophilus nigrita* (Schreber, 1774)
1792	*Vespertilio vampyrus helvus* Kerr	*Eidolon helvum helvum* (Kerr, 1792)
1792	*Vespertilio vampyrus helvus* Kerr	*Eidolon helvum* (Kerr, 1792)
1810	*Megaderma frons* E. Geoffroy Saint-Hilaire	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
1813	*Nycteris Daubentonii* E. Geoffroy Saint-Hilaire	*Nycteris hispida* (Schreber, 1774)
1816	*Myopterus senegalensis* Oken	*Myopterus daubentonii* Desmarest, 1820
1820	*Myopterus daubentonii* Desmarest	*Myopterus daubentonii* Desmarest, 1820
1820	*Nycteris Geoffroyi* Desmarest	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1820	*Taphozous senegalensis* Desmarest	*Taphozous perforatus perforatus* E. Geoffroy St.-Hilaire, 1818
1825	*Pteropus geoffroyi* Temminck	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1912	*Petalia gambiensis* K. Andersen	*Nycteris gambiensis* (K. Andersen, 1912)
1939	*Rhinolophus aethiops diversus* Sanborn	*Rhinolophus fumigatus* Rüppell, 1842
1960	*Pipistrellus Rüppelli senegalensis* Dorst	*Pipistrellus rueppellii senegalensis* Dorst, 1960

Seychelles

1868	*Coleura seychellensis* Peters	*Coleura seychellensis* Peters, 1868
1877	*Pteropus seychellensis* A. Milne-Edwards	*Pteropus seychellensis* A. Milne-Edwards, 1877
1893	*Pteropus aldabrensis* True	*Pteropus aldabrensis* True, 1893
1902	*Nyctinomus pusillus* Miller	*Chaerephon pusillus* (Miller, 1902)
1915	*C[oleura] silhouettæ* Thomas	*Coleura seychellensis* Peters, 1868
1941	*[Triaenops] furinea* Tate	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
2008	*Triaenops pauliani* Goodman and Ranivo	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)

Sierra Leone

1876	*Nycteris macrotis* Dobson	*Nycteris macrotis* Dobson, 1876
1908	*Nyctinomus leonis* Thomas	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
1908	*Rousettus smithii* Thomas	*Myonycteris angolensis smithii* (Thomas, 1908)
1908	*Myonycteris leptodon* K. Andersen	*Myonycteris leptodon* K. Andersen, 1908
1947	*Hipposideros jonesi* Hayman	*Hipposideros jonesi* Hayman, 1947

Somalia

1881	*Nycteris Revoilii* Robin	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1901	*Vespertilio minutus somalicus* Thomas	*Neoromicia somalica* (Thomas, 1901)
1910	*Rhinolophus brockmani* Thomas	*Rhinolophus blasii* Peters, 1867
1912	*Petalia damarensis brockmani* K. Andersen	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818

1915	*C[oleura] gallarum* Thomas	*Coleura afra* (Peters, 1852)
1922	*Rhinolophus hildebrandti perauritus* de Beaux	*Rhinolophus eloquens* K. Andersen, 1905
1924	*Petalia parisii* de Beaux	*Nycteris parisii* (de Beaux, 1924)
1924	*Hipposideros caffer aurantiaca* de Beaux	*Hipposideros caffer* (Sundevall, 1846)
1931	*Asellia tridens italo-somalica* de Beaux	*Asellia italosomalica* de Beaux, 1931

South Africa

1800	*Vespertilio megalotis* Bechstein	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
1823	*Pteropus collaris* Lichtenstein	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1823	*Rhinolophus capensis* Lichtenstein	*Rhinolophus capensis* Lichtenstein, 1823
1829	*Nycteris affinis* A. Smith	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1829	*Nycteris Capensis* A. Smith	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1829	*Pteropus Leachii* A. Smith	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1829	*Rhinolophus Geoffroyii* A. Smith	*Rhinolophus clivosus* Cretzschmar, 1828
1829	*Vespertilio Capensis* A. Smith	*Neoromicia capensis* (A. Smith, 1829)
1832	*Pteropus hottentottus* Temminck	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1832	*Vespertilio epichrysus* Temminck	*Scotophilus dinganii* (A. Smith, 1833)
1832	*Vespertilio platycephalus* Temminck	*Pipistrellus hesperidus* (Temminck, 1840)
1832	*Vespertilio tricolor* Temminck	*Myotis tricolor* (Temminck, 1832)
1833	*Nyctinomus Condylurus* A. Smith	*Mops (Mops) condylurus* (A. Smith, 1833)
1833	*Nyctinomus dubius* A. Smith	*Mormopterus acetabulosus natalensis* (A. Smith, 1847)
1833	*Vespertilio Dinganii* A. Smith	*Scotophilus dinganii* (A. Smith, 1833)
1833	*Vespertilio Hottentota* A. Smith	*Eptesicus hottentotus* (A. Smith, 1833)
1833	*Vespertilio Natalensis* A. Smith	*Miniopterus natalensis* (A. Smith, 1833)
1835	*Taphozous leucopterus* Temminck	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
1840	*N[ycteris] discolor* Wagner	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1840	*Vespertilio d'asythrix* Temminck	*Miniopterus natalensis* (A. Smith, 1833)
1840	*Vespertilio minuta* Temminck	*Neoromicia capensis* (A. Smith, 1829)
1835-1841	*Vespertilio megalurus* Temminck	*Eptesicus hottentotus* (A. Smith, 1833)
1846	*Pteropus Wahlbergi* Sundevall	*Epomophorus wahlbergi* (Sundevall, 1846)
1846	*Rhinolophus caffer* Sundevall	*Hipposideros caffer* (Sundevall, 1846)
1846	*Vespertilio scotinus* Sundevall	*Miniopterus natalensis* (A. Smith, 1833)
1846	*Vespertilio subtilis* Sundevall	*Pipistrellus hesperidus subtilis* (Sundevall, 1846)
1847	*Dysopes natalensis* A. Smith	*Mormopterus acetabulosus natalensis* (A. Smith, 1847)
1847	*Vespertilio lanosus* A. Smith	*Kerivoula lanosa* (A. Smith, 1847)
1855	*V[espertilio] Smithii* Wagner	*Eptesicus hottentotus* (A. Smith, 1833)
1860	*Rhinolophus auritus* Sundevall	*Rhinolophus capensis* Lichtenstein, 1823
1876	*Nyctinomus africanus* Dobson	*Tadarida ventralis* (Heuglin, 1861)
1878	*Kerivoula brunnea* Dobson	*Kerivoula lanosa* (A. Smith, 1847)
1904	*Rhinolophus Denti* Thomas	*Rhinolophus denti* Thomas, 1904
1904	*Rhinolophus augur* K. Andersen	*Rhinolophus clivosus* Cretzschmar, 1828
1904	*Rhinolophus augur zuluensis* K. Andersen	*Rhinolophus clivosus* Cretzschmar, 1828
1905	*Vespertilio capensis gracilior* Thomas and Schwann	*Neoromicia capensis* (A. Smith, 1829)
1906	*Miniopterus fraterculus* Thomas and Schwann	*Miniopterus fraterculus* Thomas and Schwann, 1906
1908	*Rhinolophus swinnyi* Gough	*Rhinolophus swinnyi* Gough, 1908
1908	*Scabrifer notius* G.M. Allen	*Neoromicia capensis* (A. Smith, 1829)
1909	*Miniopterus breyeri* Jameson	*Miniopterus natalensis* (A. Smith, 1833)
1913	*Rhinolophus swinnyi piriensis* Hewitt	*Rhinolophus swinnyi* Gough, 1908
1913	*Pipistrellus nanus australis* Roberts	*Neoromicia nana* (Peters, 1852)
1917	*Cl*œ*otis percivali australis* Roberts	*Cloeotis percivali* Thomas, 1901
1917	*Otomops icarus* Chubb	*Otomops martiensseni icarus* Chubb, 1917
1917	*Platymops petrophilus* Roberts	*Sauromys petrophilus* (Roberts, 1917)
1919	*Cistugo lesueuri* Roberts	*Cistugo lesueuri* Roberts, 1919
1919	*Eptesicus melckorum* Roberts	*Neoromicia capensis* (A. Smith, 1829)
1924	*Eptesicus zuluensis* Roberts	*Neoromicia zuluensis* (Roberts, 1924)
1924	*Kerivoula nidicola zuluensis* Roberts	*Kerivoula argentata* Tomes, 1861
1924	*Rhinolophus darlingi barbertonensis* Roberts	*Rhinolophus darlingi* K. Andersen, 1905
1926	*Chaerophon pumilus elphicki* Roberts	*Chaerephon pumilus* (Cretzschmar, 1826)
1938	*Platymops haagneri umbratus* Shortridge and Carter	*Sauromys petrophilus umbratus* (Shortridge & Carter, 1938)
1938	*Scotophilus angusticeps* Shortridge and Carter	*Eptesicus hottentotus* (A. Smith, 1833)
1942	*Eptesicus megalurus pallidior* Shortridge	*Eptesicus hottentotus* (A. Smith, 1833)
1946	*Platymops petrophilus fitzsimonsi* Roberts	*Sauromys petrophilus umbratus* (Shortridge & Carter, 1938)
1946	*Scotophilus nigrita pondoensis* Roberts	*Scotophilus dinganii* (A. Smith, 1833)
1948	*Pipistrellus (Romicia) kuhlii broomi* Roberts	*Pipistrellus hesperidus broomi* Roberts, 1948
2001	*Pipistrellus africanus meesteri* Kock	*Neoromicia nana* (Peters, 1852)
2012	*Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill	*Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

South Sudan

1916	*Eptesicus ugandæ* Hollister	*Neoromicia somalica* (Thomas, 1901)

Spain

1904	*E[uryalus] Cabreræ* K. Andersen and Matschie	*Rhinolophus euryale* Blasius, 1853
1904	*Vespertilio Boscai* Cabrera	*Eptesicus isabellinus* (Temminck, 1840)
1904	*Vespertilio ochromixtus* Cabrera	*Hypsugo savii* (Bonaparte, 1837)

Sudan

1803	*Pteropus stramineus* E. Geoffroy Saint-Hilaire	*Eidolon helvum helvum* (Kerr, 1792)
1826	*Nycticejus leucogaster* Cretzschmar	*Scotophilus leucogaster* (Cretzschmar, 1826)
1826	*Vespertilio temminckii* Cretzschmar	*Pipistrellus rueppellii* (Fischer, 1829)
1827	*Vespertilio temminckii* Cretzschmar	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
1829	*Vespertilio Rüppelii* J.B. Fischer	*Pipistrellus rueppellii* (Fischer, 1829)
1829	*Vespertilio ruppellii* J.B. Fischer	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
1837	*Pteropus labiatus* Temminck	*Epomophorus labiatus* (Temminck, 1837)
1840	*N[ycteris] albiventer* Wagner	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1843	*Dysopes midas* Sundevall	*Mops (Mops) midas midas* (Sundevall, 1843)
1843	*Dysopes midas* Sundevall	*Mops (Mops) midas* (Sundevall, 1843)
1859	*Rhinopoma Lepsianum* Peters	*Rhinopoma microphyllum* (Brünnich, 1782)
1862	*Pterocyon paleaceus* Peters	*Eidolon helvum helvum* (Kerr, 1792)
1864	*Dysopes hepaticus* Heuglin	*Mops (Mops) condylurus* (A. Smith, 1833)
1864	*Epomophorus anurus* Heuglin	*Epomophorus labiatus* (Temminck, 1837)
1865	*Pteropus palmarum* Heuglin	*Eidolon helvum helvum* (Kerr, 1792)
1866	*Plecotus æthiopicus* Heuglin	*Plecotus christii* Gray, 1838
1866	*Plecotus æthiopicus* Heuglin and Fitzinger	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1866	*Plecotus ustus* Fitzinger and Heuglin	*Otonycteris hemprichii* Peters, 1859
1866	*Rhinopoma longicaudatum* Fitzinger	*Rhinopoma cystops* Thomas, 1903
1866	*Rhinopoma sennaariense* Fitzinger	*Rhinopoma cystops* Thomas, 1903
1866	*Vesperugo hypoleucus* Heuglin and Fitzinger	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
1866	*Vesperugo sennaariensis* Heuglin and Fitzinger	*Pipistrellus rueppellii rueppellii* (J. B. Fischer, 1829)
1866	*Xantharpyia leucomelas* Heuglin	*Eidolon helvum* (Kerr, 1792)
1866	*Xantharpyia leucomelas* Fitzinger	*Eidolon helvum helvum* (Kerr, 1792)
1868	*Nycteris Geoffroyi Var. Senegalensis* Hartmann	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
1877	*Dysopes talpinus* Heuglin	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
1877	*Nycticejus serratus* Heuglin	*Taphozous nudiventris* Cretzschmar, 1830
1877	*Rhinopoma cordofanicum* Heuglin	*Rhinopoma microphyllum* (Brünnich, 1782)
1877	*Taphozous maritimus* Heuglin	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
1878	*Nycteris æthiopica* Dobson	*Nycteris macrotis* Dobson, 1876
1897	*[Nyctinomus (Nyctinomus) pumilus] Var. Major* Trouessart	*Chaerephon major* (Trouessart, 1897)
1901	*Glauconycteris Floweri* de Winton	*Eptesicus floweri* (de Winton, 1901)
1903	*Nyctinomus cisturus* Thomas	*Chaerephon bemmeleni* (Jentink, 1879)
1903	*Nyctinomus demonstrator* Thomas	*Mops (Mops) demonstrator* (Thomas, 1903)
1904	*Pipistrellus ariel* Thomas	*Hypsugo ariel* (Thomas, 1904)
1904	*Rhinolophus Dobsoni* Thomas	*Rhinolophus landeri* Martin, 1838
1907	*Lavia frons affinis* K. Andersen and Wroughton	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
1908	*Scoteinus schlieffeni albiventer* Thomas and Wroughton	*Nycticeinops schlieffenii* (Peters, 1859)
1911	*Chærephon emini* Wroughton	*Mops (Mops) condylurus* (A. Smith, 1833)
1914	*Scotophilus altilis* G.M. Allen	*Scotophilus leucogaster* (Cretzschmar, 1826)
1915	*C[oleura] g[allarum] nilosa* Thomas	*Coleura afra* (Peters, 1852)
1915	*Glauconycteris phalæna* Thomas	*Glauconycteris variegata* (Tomes, 1861)
1915	*Rhinopterus lowei* Thomas	*Eptesicus floweri* (de Winton, 1901)
1915	*Taphozous Sudani* Thomas	*Taphozous perforatus sudani* Thomas, 1915
1916	*Eptesicus rectitragus* Wettstein	*Neoromicia guineensis* (Bocage, 1889)
1916	*Nyctinomus (Nyctinomus) tongaënsis* Wettstein	*Tadarida aegyptiaca aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
1916	*Scotoecus cinnamomeus* Wettstein	*Nycticeinops schlieffenii* (Peters, 1859)
1920	*Taphozous hamiltoni* Thomas	*Taphozous hamiltoni* Thomas, 1920
1923	*Pipistrellus marrensis* Thomas and Hinton	*Pipistrellus rusticus* (Tomes, 1861)
1956	*Platymops barbatogularis* Harrison	*Platymops setiger macmillani* Thomas, 1906
1969	*Rhinopoma hardwickei sennaariense* Kock	*Rhinopoma cystops* Thomas, 1903
1969	*Rhinopoma microphyllum tropicalis* Kock	*Rhinopoma microphyllum* (Brünnich, 1782)

Switzerland

1869	*Vesperugo noctula var. maxima* Fatio	*Nyctalus lasiopterus* (Schreber, 1780)

Tanzania

1867	*Miniopterus minor* Peters	*Miniopterus minor* Peters, 1867
1868	*Rhinolophus Deckenii* Peters	*Rhinolophus deckenii* Peters, 1868
1875	*Vesperugo pulcher* Dobson	*Pipistrellus rueppellii pulcher* (Dobson, 1875)
1876	*Vesperugo (Vesperus) grandidieri* Dobson	*Pipistrellus grandidieri* (Dobson, 1876)
1878	*Kerivoula africana* Dobson	*Kerivoula africana* Dobson, 1878
1880	*Epomophorus minor* Dobson	*Epomophorus minor* Dobson, 1880
1887	*Scotophilus minimus* Noack	*Nycticeinops schlieffenii* (Peters, 1859)
1893	*Phyllorhina rubra* Noack	*Hipposideros ruber* (Noack, 1893)
1897	*Nyctinomus martiensseni* Matschie	*Otomops martiensseni martiensseni* (Matschie, 1897)
1897	*Nyctinomus martiensseni* Matschie	*Otomops martiensseni* (Matschie, 1897)
1899	*Ep[omophorus (Epomophorus)] stuhlmanni* Matschie	*Epomophorus wahlbergi* (Sundevall, 1846)
1899	*Vespertilio venustus* Matschie	*Myotis welwitschii* (Gray, 1866)
1901	*Nyctinomus Emini* de Winton	*Chaerephon major* (Trouessart, 1897)
1908	*Rousettus sjöstedti* Lönnberg	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
1909	*Pteropus (Spectrum) voeltzkowi* Matschie	*Pteropus voeltzkowi* Matschie, 1909
1923	*Nycteris marica* Kershaw	*Nycteris grandis* Peters, 1865
1942	*Mops angolensis orientis* G.M. Allen and Loveridge	*Mops (Mops) condylurus* (A. Smith, 1833)
1957	*Pipistrellus (Pipistrellus) permixtus* Aellen	*Pipistrellus permixtus* Aellen, 1957
2000	*Rhinolophus maendeleo* Kock, Csorba and Howell	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
2003	*Tanzanycteris mannardi* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch	*Tanzanycteris mannardi* Gunnell, Jacobs, Herendeen, Head, Kowalski, Msuya, Mizambwa, Harrison, Habersetzer and Storch, 2003
2008	*Mops bakarii* Stanley	*Mops (Xiphonycteris) bakarii* Stanley, 2009
2015	*Cardioderma leakeyi* Gunnell, Butler, Greenwood and Simmons	*Cardioderma leakeyi* Gunnell, Butler, Greenwood and Simmons, 2015
2015	*Myzopoda africana* Gunnell, Butler, Greenwood and Simmons	*Myzopoda africana* Gunnell, Butler, Greenwood and Simmons, 2015
2015	*Scotoecus olduvensis* Gunnell, Butler, Greenwood and Simmons	*Scotoecus olduvensis* Gunnell, Butler, Greenwood and Simmons, 2015

The Gambia

1835	*Pteropus Gambianus* Ogilby	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1835	*Pteropus Gambianus* Ogilby	*Epomophorus gambianus* (Ogilby, 1835)
1835	*Pteropus macrocephalus* Ogilby	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1835	*Pteropus megacephalus* Swainson	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1836	*Pteropus epomophorus* Bennett	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1836	*Pteropus Whitei* Bennett	*Epomophorus gambianus gambianus* (Ogilby, 1835)
1889	*Vesperugo (Vesperus) Rendalli* Thomas	*Neoromicia rendalli* (Thomas, 1889)
1890	*Scotophilus albofuscus* Thomas	*Scotoecus albofuscus* (Thomas, 1890)
1901	*Nyctinomus gambianus* de Winton	*Chaerephon pumilus* (Cretzschmar, 1826)
1906	*H[ipposiderus]. gigas gambiensis* K. Andersen	*Macronycteris gigas* (Wagner, 1845)

Tunisia

1955	*Rhinolophus euryale tuneti* Deleuil and Labbé	*Rhinolophus mehelyi* Matschie, 1901
1977	*Myotis blythii punicus* Felten	*Myotis punicus* Felten, 1977
1991	*Dizzya exsultans* Sigé	*Dizzya exsultans* Sigé, 1991
2012	*Witwatia sigei* Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud	*Witwatia sigei* Ravel, Marivaux, Tabuce, Bel Haj Ali, Essid, and Vianey-Liaud, 2012
2016	*?Necromantis fragmentum* Ravel	*Necromantis fragmentum* (Ravel, 2016)
2016	*?Palaeophyllophora tunisiensis* Ravel	*Palaeophyllophora tunisiensis* (Ravel, 2016)
2016	*?Vespertiliavus aenigma* Ravel	*Vespertiliavus aenigma* (Ravel, 2016)
2016	*Hipposideros (Pseudorhinolophus) africanum* Ravel	*Hipposideros africanum* Ravel, 2016
2016	*Khoufechia gunnelli* Ravel	*Khoufechia gunnelli* Ravel, 2016
2016	*Vespertliavus kasserinensis* Ravel	*Vespertiliavus kasserinensis* (Ravel, 2016)

Uganda

1905	*Glauconycteris papilio* Thomas	*Glauconycteris variegata* (Tomes, 1861)
1905	*Rhinolophus Hildebrandti eloquens* K. Andersen	*Rhinolophus eloquens* K. Andersen, 1905
1906	*Hipposiderus caffer centralis* K. Andersen	*Hipposideros ruber* (Noack, 1893)
1906	*Rousettus lanosus* Thomas	*Stenonycteris lanosus* (Thomas, 1906)
1907	*Nyctinomus aloysii-sabaudiae* Festa	*Chaerephon aloysiisabaudiae* (Festa, 1907)
1913	*Pipistrellus fuscipes* Thomas	*Pipistrellus rueppellii fuscipes* Thomas, 1913
1965	*Rousettus angolensis ruwenzorii* Eisentraut	*Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)

United Kingdom

1825	*Vespertilio Pygmæus* Leach	*Pipistrellus pygmaeus* (Leach, 1825)

Yemen

1869	*Vesperus Bottae* Peters	*Eptesicus bottae* (Peters, 1869)

Zambia

1914	*Nycteris woodi* K. Andersen	*Nycteris woodi* K. Andersen, 1914
1920	*Mimetillus thomasi* Hinton	*Mimetillus thomasi* Hinton, 1920
1938	*Chærephon lancasteri* Hayman	*Chaerephon chapini* J.A. Allen, 1917
1960	*Epomophorus gambianus parvus* Ansell	*Epomophorus crypturus* Peters, 1852
2002	*Rhinolophus sakejiensis* Cotterill	*Rhinolophus sakejiensis* Cotterill, 2002

Zimbabwe

1904	*Rhinolophus simulator* K. Andersen	*Rhinolophus simulator* K. Andersen, 1904
1905	*Rhinolophus Darlingi* K. Andersen	*Rhinolophus darlingi* K. Andersen, 1905
1914	*Rhinolophus bembanicus* Senna	*Rhinolophus simulator* K. Andersen, 1904
1920	*Kerivoula lucia* Hinton	*Kerivoula lanosa* (A. Smith, 1847)
1946	*Nycteris woodi sabiensis* Roberts	*Nycteris woodi* K. Andersen, 1914
1946	*Nyctinomus mastersoni* Roberts	*Tadarida fulminans* (Thomas, 1903)
1946	*Nyctinomus rhodesiae* Roberts	*Chaerephon ansorgei* (Thomas, 1913)
1946	*Rhinolophus swinnyi rhodesiae* Roberts	*Rhinolophus rhodesiae* Roberts, 1946
1962	*Taphozous sudani australis* Harrison	*Taphozous perforatus sudani* Thomas, 1915
1997	*Lissonycteris angolensis goliath* Bergmans	*Myonycteris angolensis goliath* (Bergmans, 1997)
2012	*Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill	*Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012

Appendix 3e: Common Names in Alphabetical Order

Common Name	Taxon Name
(Bolshoj podkovonos) (Russian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
(Evropejskaya shirokoushka) (Russian)	*Barbastella barbastellus* (Schreber, 1774)
(Gewone) Dwergvleermuis (Dutch)	*Pipistrellus pipistrellus* (Schreber, 1774)
(Gigantskaya vechernicha) (Russian)	*Nyctalus lasiopterus* (Schreber, 1780)
(Grote) Langvleugelvleermuis (Dutch)	*Miniopterus schreibersii* (Kuhl, 1817)
(Mapaya vechernicha) (Russian)	*Nyctalus leisleri* (Kuhl, 1817)
(Netopyr karlik) (Russian)	*Pipistrellus pipistrellus* (Schreber, 1774)
(Obyknovennyj dlinnokryl) (Russian)	*Miniopterus schreibersii* (Kuhl, 1817)
(Yuzhnyj podkovonos) (Russian)	*Rhinolophus euryale* Blasius, 1853
Họ dơi cánh (Vietnamese)	*MINIOPTERIDAE* Dobson, 1875
Họ dơi thò đuôi (Vietnamese)	*MOLOSSIDAE* Gervais, 1856
Họ dơi quạ (Vietnamese)	*PTEROPODIDAE* Gray, 1821
Họ dơi lá (Vietnamese)	*RHINOLOPHIDAE* Gray, 1825
Họ dơi ma (Vietnamese)	*MEGADERMATIDAE* H. Allen, 1864
Họ dơi muỗi (Vietnamese)	*VESPERTILIONIDAE* Gray, 1821
Họ dơi mũi (Vietnamese)	*HIPPOSIDERIDAE* Lydekker, 1891
Họ dơi bao (Vietnamese)	*EMBALLONURIDAE* Gervais, 1855
šerowec senegalský (Czech)	*Nycteris hispida* (Schreber, 1774)
šerowec tébský (Czech)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
šerowecové (Czech)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
širokouší morousi (hroznohledové (Czech)	*Tadarida* Rafinesque, 1814
širokouší ušanové (Czech)	*Barbastella* Gray, 1821
žlázokřídlec Lesueurův (Czech)	*Cistugo lesueuri* Roberts, 1919
žlázokřídlec Seabrův (Czech)	*Cistugo seabrae* Thomas, 1912
žlázokřídlecové (Czech)	*Cistugo* Thomas, 1912
žlázokřídlecovití (Czech)	*CISTUGONIDAE* Lack, Roehrs, Stanley, Ruedi and Van den Bussche, 2010
žlutokřídlí lyronosi (Czech)	*Lavia* Gray, 1838
Гладконосые (Russian)	*VESPERTILIONIDAE* Gray, 1821
Βουνονυχτερίδα (Greek)	*Hypsugo savii* (Bonaparte, 1837)
Λευκονυχτερίδα (Greek)	*Pipistrellus kuhlii* (Kuhl, 1817)
Μεσορινόλοφος (Greek)	*Rhinolophus euryale* Blasius, 1853
Μικρονυκτοβάτης (Greek)	*Nyctalus leisleri* (Kuhl, 1817)
Μικρονυχτερίδα (Greek)	*Pipistrellus pygmaeus* (Leach, 1825)
Μικροριόλοφος (Greek)	*Rhinolophus hipposideros* (Bechstein, 1800)
Μουστακονυχερίδα (Greek)	*Myotis mystacinus* (Kuhl, 1817)
Νανονυχτερίδα (Greek)	*Pipistrellus pipistrellus* (Schreber, 1774)
Νυχτονόμος (Greek)	*Tadarida teniotis* (Rafinesque, 1814)
Ποδαρομνωίδα (Greek)	*Myotis capaccinii* (Bonaparte, 1837)
Πτρυγονυχτερίδα (Greek)	*Miniopterus schreibersii* (Kuhl, 1817)
Πυρρομυωτιδα (Greek)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Ρινόλοφος του Blasius (Greek)	*Rhinolophus blasii* Peters, 1867
Τρανορινόλοφος (Greek)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Азиатская широкоушка [= Aeiatskaya shirokouchka]; (Russian)	*Barbastella leucomelas* (Cretzschmar, 1826)
Большой подковонос (Russian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Бульдоговые (Russian)	*MOLOSSIDAE* Gervais, 1856
Гигантская вечерница (Russian)	*Nyctalus lasiopterus* (Schreber, 1780)
Длиннокрыловые (Russian)	*MINIOPTERIDAE* Dobson, 1875
Европейская широкоушка (Russian)	*Barbastella barbastellus* (Schreber, 1774)
Кожановидный нетопырь (Russian)	*Hypsugo savii* (Bonaparte, 1837)
КрылановыеRussian)	*PTEROPODIDAE* Gray, 1821
Лжевампиры (Russian)	*MEGADERMATIDAE* H. Allen, 1864
Листоносы (Russian)	*HIPPOSIDERIDAE* Lydekker, 1891
Ложные подковоносы (Russian)	*HIPPOSIDERIDAE* Lydekker, 1891
Малая вечерница (Russian)	*Nyctalus leisleri* (Kuhl, 1817)
Малый подковонос (Malyj podkovonos) (Russian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Малый нетопырь [=Malyj Neopyr], (Russian)	*Pipistrellus pygmaeus* (Leach, 1825)
Нетопырь Куля (Russian)	*Pipistrellus kuhlii* (Kuhl, 1817)
Нетопырь-карлик (Russian)	*Pipistrellus pipistrellus* (Schreber, 1774)
Нічниця вусата (Ukrainian)	*Myotis mystacinus* (Kuhl, 1817)
Обыкновенный длиннокрыл (Russian)	*Miniopterus schreibersii* (Kuhl, 1817)
Очковый подковонос (Russian)	*Rhinolophus mehelyi* Matschie, 1901
Подковогубы (Russian)	*HIPPOSIDERIDAE* Lydekker, 1891
Подковоносые (Russian)	*RHINOLOPHIDAE* Gray, 1825
Свободнохвостые (Russian)	*MOLOSSIDAE* Gervais, 1856
Футлярохвостые (Russian)	*EMBALLONURIDAE* Gervais, 1855
Широковух європейський (Ukrainian)	*Barbastella barbastellus* (Schreber, 1774)
Широкоухий складчатогуб (Russian)	*Tadarida teniotis* (Rafinesque, 1814)
Южный подковонос (Russian)	*Rhinolophus euryale* Blasius, 1853

Common Name	Taxon Name
средиземноморский (Sredizemnomorskij netopyr) (Russian)	*Pipistrellus kuhlii* (Kuhl, 1817)
45 kHz Pipistrelle (English)	*Pipistrellus pipistrellus* (Schreber, 1774)
55 kHz pipistrelle (English)	*Pipistrellus pygmaeus* (Leach, 1825)
Aalwyndakvlermuis; Aalwynvlermuis (Afrikaans)	*Neoromicia zuluensis* (Roberts, 1924)
Aba Leaf-nosed Bat (English)	*Hipposideros abae* J.A. Allen, 1917
Aba Roundleaf Bat (English)	*Hipposideros abae* J.A. Allen, 1917
Aba-Rundblattnase (German)	*Hipposideros abae* J.A. Allen, 1917
Abendfledermäuse (German)	*Nycticeinops* Hill & Harrison, 1987
Abendsegler (German)	*Nyctalus* Bowdich, 1825
Abendstern-Pipistrelle (German)	*Pipistrellus hesperidus* (Temminck, 1840)
Abendstern-Zwergfledermaus (German)	*Pipistrellus hesperidus* (Temminck, 1840)
Abo Bat (English)	*Glauconycteris poensis* (Gray, 1842)
Abo Butterfly Bat (English)	*Glauconycteris poensis* (Gray, 1842)
Abo-Schmetterlingsfledermaus (German)	*Glauconycteris poensis* (Gray, 1842)
Abruzzi's Wrinkle-lipped Bat (English)	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Abyssinian Horseshoe Bat (English)	*Rhinolophus fumigatus* Rüppell, 1842
Adam's Horseshoe Bat (English)	*Rhinolophus adami* Aellen and Brosset, 1968
Adams Hufeisennase (German)	*Rhinolophus adami* Aellen and Brosset, 1968
Aellens Langflügelfledermaus (German)	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
Aellen's Leaf-nosed Bat (English)	*Hipposideros marisae* Aellen, 1954
Aellen's Long-fingered Bat (English)	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
Aellen's Pipistrelle (English)	*Pipistrellus inexspectatus* Aellen, 1959
Aellen's Pipistrelle Bat (English)	*Pipistrellus inexspectatus* Aellen, 1959
Aellen's Roundleaf Bat (English)	*Hipposideros marisae* Aellen, 1954
Aerial Pipistrelle Bat (English)	*Pipistrellus aero* Heller, 1912
African Epauletted bats (English)	*Epomops* Gray, 1866
African False Vampire Bat (English)	*Cardioderma cor* (Peters, 1872)
African False Vampire Bats (English)	*Cardioderma* Peters, 1873
African Free-tailed Bats (English)	*Myopterus* E. Geoffroy St.-Hilaire, 1818
African Giant Free-tailed Bat (English)	*Tadarida ventralis* (Heuglin, 1861)
African Heart-nosed Bat (English)	*Cardioderma cor* (Peters, 1872)
African Long-eared Bats (English)	*Laephotis* Thomas, 1901
African Long-fingered Bat (English)	*Miniopterus africanus* Sanborn, 1936
African Long-tongued Bat (English)	*Megaloglossus woermanni* Pagenstecher, 1885
African Long-tongued Fruit-bats (English)	*Megaloglossus* Pagenstecher, 1885
African Nectar Fruit-bats (English)	*Megaloglossus* Pagenstecher, 1885
African pipistrelle (English)	*Pipistrellus hesperidus* (Temminck, 1840)
African Sheath-tailed Bat (English)	*Coleura afra* (Peters, 1852)
African Straw-coloured Fruit-bat (English)	*Eidolon helvum* (Kerr, 1792)
African Taphozous (English)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
African Trident Bat (English)	*Triaenops afer* Peters, 1877
African Trident Bat (English)	*Cloeotis percivali* Thomas, 1901
African Trident Bats (English)	*Cloeotis* Thomas, 1901
African Trident-nosed Bats (English)	*Cloeotis* Thomas, 1901
African Woolly Bat (English)	*Kerivoula africana* Dobson, 1878
African Yellow Bat (English)	*Scotophilus dinganii* (A. Smith, 1833)
African Yellow House Bat (English)	*Scotophilus dinganii* (A. Smith, 1833)
African Yellow-winged Bat (English)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
afrifraa (Tanoboase (Ghana))	*MOLOSSIDAE* Gervais, 1856
Afrikanische Dreizahn-Blattnase (German)	*Triaenops afer* Peters, 1877
Afrikanische Langflügelfledermaus (German)	*Miniopterus africanus* Sanborn, 1936
Afrikanische Langohrfledermäuse (German)	*Laephotis* Thomas, 1901
Afrikanische Langzungen-Flughunde (German)	*Megaloglossus* Pagenstecher, 1885
Afrikanische Schiebeschwanz-Fledermaus (German)	*Coleura afra* (Peters, 1852)
Afrikanischer Langzungen-Flughund (German)	*Megaloglossus woermanni* Pagenstecher, 1885
Afrikanischer Palmenflughund (German)	*Eidolon helvum* (Kerr, 1792)
Ägyptische Bulldoggfledermaus (German)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Ägyptische Grabfledermaus (German)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Ägyptische Mausschwanz-Fledermaus (German)	*Rhinopoma microphyllum* (Brünnich, 1782)
Ägyptische Schlitznasen-Fledermaus (German)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Ägyptischer Höhlenflughund (German)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
ahwenekron (Tanoboase (Ghana))	*Hypsignathus monstrosus* H. Allen, 1862
Aldabra- Dreizahnblattnase (German)	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
Aldabra Flying Fox (English)	*Pteropus aldabrensis* True, 1893
Aldabra Flying-fox (English)	*Pteropus aldabrensis* True, 1893
Aldabra-Flugfuchs (German)	*Pteropus aldabrensis* True, 1893
Allen's Butterfly Bat (English)	*Glauconycteris alboguttata* J.A. Allen, 1917
Allen's Spotted Bat (English)	*Glauconycteris humeralis* J.A. Allen, 1917
Allen's Striped Bat (English)	*Glauconycteris alboguttata* J.A. Allen, 1917
Aloe Bat (English)	*Neoromicia zuluensis* (Roberts, 1924)
Aloe Serotine (English)	*Neoromicia zuluensis* (Roberts, 1924)
Aloe Serotine Bat (English)	*Neoromicia zuluensis* (Roberts, 1924)

Common Name	Taxon Name
Alpendwergvleermuis (Dutch)	*Hypsugo savii* (Bonaparte, 1837)
Alpenfledermaus (German)	*Hypsugo savii* (Bonaparte, 1837)
Alpen-Pipistrelle (German)	*Hypsugo savii* (Bonaparte, 1837)
Alpenvleermuis (Dutch)	*Hypsugo savii* (Bonaparte, 1837)
Alpesi denevér (Hungarian)	*Hypsugo savii* (Bonaparte, 1837)
Altwelt-Rundblattnasen (German)	*Hipposideros* Gray, 1831
ampane (singular) (Tanoboase (Ghana))	*CHIROPTERA* Blumenbach, 1779
ampane ankasa (Tanoboase (Ghana))	*Eidolon helvum* (Kerr, 1792)
ampane kronfo [="thief or criminal bat"] (see Ohemeng *et al.*, 2017: 184) (Tanoboase (Ghana))	*Epomophorus gambianus* (Ogilby, 1835)
Anchieta's Bat (English)	*Hypsugo anchietae* (Seabra, 1900)
Anchietas Breitgesicht-Flughund (German)	*Plerotes anchietae* (Seabra, 1900)
Anchieta's Fruit Bat (English)	*Plerotes anchietae* (Seabra, 1900)
Anchietas Pipistrelle (German)	*Hypsugo anchietae* (Seabra, 1900)
Anchieta's Pipistrelle (English)	*Hypsugo anchietae* (Seabra, 1900)
Anchieta's Plerote Fruit-bat (English)	*Plerotes anchietae* (Seabra, 1900)
Anchietas Zwergfledermaus (German)	*Hypsugo anchietae* (Seabra, 1900)
Anchieta-vlermuis (Afrikaans)	*Hypsugo anchietae* (Seabra, 1900)
Andersens Hufeisennase (German)	*Rhinolophus eloquens* K. Andersen, 1905
Andersens Schlitznasen-Fledermaus (German)	*Nycteris aurita* (K. Andersen, 1912)
Andersen's Slit-faced Bat (English)	*Nycteris aurita* (K. Andersen, 1912)
Andrew Rebori's House Bat (English)	*Scotophilus andrewreborii* Brooks and Bickham, 2014
Angavo (Malagasy)	*Eidolon dupreanum* (Schegel, 1867)
Angola-Bulldoggfledermaus (German)	*Mops (Mops) condylurus* (A. Smith, 1833)
Angola-Epaulettenflughund (German)	*Epomophorus angolensis* Gray, 1870
Angola-langhaarvlermuis (Afrikaans)	*Cistugo seabrae* Thomas, 1912
Angola-Langohrfledermaus (German)	*Laephotis angolensis* Monard, 1935
Angola-losstertvlermuis (Afrikaans)	*Mops (Mops) condylurus* (A. Smith, 1833)
Angola-Mausohr (German)	*Cistugo seabrae* Thomas, 1912
Angolan Epauletted Fruit Bat (English)	*Epomophorus angolensis* Gray, 1870
Angolan Epauletted Fruit-bat (English)	*Epomophorus angolensis* Gray, 1870
Angolan Free-tailed Bat (English)	*Mops (Mops) condylurus* (A. Smith, 1833)
Angolan Fruit Bat (English)	*Myonycteris angolensis* (Bocage, 1898)
Angolan Hairy Bat (English)	*Cistugo seabrae* Thomas, 1912
Angolan Long-eared Bat (English)	*Laephotis angolensis* Monard, 1935
Angolan Long-haired Fruit-bat (English)	*Myonycteris angolensis* (Bocage, 1898)
Angolan Mops Bat (English)	*Mops (Mops) condylurus* (A. Smith, 1833)
Angolan Rousette (English)	*Myonycteris angolensis* (Bocage, 1898)
Angolan Soft-furred Fruit-bat (English)	*Myonycteris angolensis* (Bocage, 1898)
Angolan Wing-gland Bat (English)	*Cistugo seabrae* Thomas, 1912
Angolanischer Samtfell-Flughund (German)	*Myonycteris angolensis* (Bocage, 1898)
Angolase Losstervlermuis (Afrikaans)	*Mops (Mops) condylurus* (A. Smith, 1833)
Angolase Vlerkkliervlermuis (Afrikaans)	*Cistugo seabrae* Thomas, 1912
Angola-witkolvrugtevlermuis (Afrikaans)	*Epomophorus angolensis* Gray, 1870
angon (Fang)	*Doryrhina cyclops* (Temminck, 1853)
Anjouan Mouse-eared Bat (English)	*Myotis anjouanensis* (Dorst, 1960)
Anjouan Myotis (English)	*Myotis anjouanensis* (Dorst, 1960)
Anjouan-Mausohr (German)	*Myotis anjouanensis* (Dorst, 1960)
Ansells Epaulettenflughund (German)	*Epomophorus anselli* Bergmans and Van Strien, 2004
Ansorge se losstertvlermuis (Afrikaans)	*Chaerephon ansorgei* (Thomas, 1913)
Ansorge-losstertvlermuis (Afrikaans)	*Chaerephon ansorgei* (Thomas, 1913)
Ansorges Bulldoggfledermaus (German)	*Chaerephon ansorgei* (Thomas, 1913)
Ansorge's Free-tailed Bat (English)	*Chaerephon ansorgei* (Thomas, 1913)
Ansorge's Wrinkle-lipped Bat (English)	*Chaerephon ansorgei* (Thomas, 1913)
apan (singular) (Twi (Ghana))	*CHIROPTERA* Blumenbach, 1779
Apopo (Kinande (DRC))	*Epomophorus labiatus* (Temminck, 1837)
Arabian barbastelle (English)	*Barbastella leucomelas* (Cretzschmar, 1826)
Arabian Horseshoe Bat (English)	*Rhinolophus clivosus* Cretzschmar, 1828
Arabische mopsvleermuis (Dutch)	*Barbastella leucomelas* (Cretzschmar, 1826)
Ariel Pipistrelle (English)	*Hypsugo ariel* (Thomas, 1904)
Asellia (French)	*Asellia* Gray, 1838
Asellia à trois endentures (French)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Asellia d'Afrique orientale (French)	*Cloeotis percivali* Thomas, 1901
Asellia de Patrizi (French)	*Asellia patrizii* de Beaux, 1931
Asèllia di Patrìzi (Italian)	*Asellia patrizii* de Beaux, 1931
Asèllia italosòmala (Italian)	*Asellia italosomalica* de Beaux, 1931
Asèllie (Italian)	*Asellia* Gray, 1838
Asian Barbastelle (English)	*Barbastella leucomelas* (Cretzschmar, 1826)
Asiatic Barbastelle (English)	*Barbastella leucomelas* (Cretzschmar, 1826)
Äthiopischer Samtfell-Flughund (German)	*Myonycteris angolensis petraea* (Bergmans, 1997)
Aufgeblasene Langflügelfledermaus (German)	*Miniopterus inflatus* Thomas, 1903
Auo-rnèr (Somalian)	*CHIROPTERA* Blumenbach, 1779
Azoren-Abendsegler (German)	*Nyctalus azoreum* (Thomas, 1901)
Azorenvleermuis (Dutch)	*Nyctalus azoreum* (Thomas, 1901)

Common Name	Taxon Name
Azores noctule (English)	*Nyctalus azoreum* (Thomas, 1901)
Baardvleermuis (Dutch)	*Myotis mystacinus* (Kuhl, 1817)
Badger bat (English)	*Glauconycteris superba* Hayman, 1939
bajuszos denevér (Hungarian)	*Myotis mystacinus* (Kuhl, 1817)
Bakoor-losstertvlermuis (Afrikaans)	*Otomops martiensseni* (Matschie, 1897)
Bale Big-eared Bat (English)	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Bale Long-eared Bat (English)	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Bale-Langohr (German)	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Balli Slit-faced Bat (English)	*Nycteris parisii* (de Beaux, 1924)
Banana Bat (English)	*Neoromicia nana* (Peters, 1852)
Banana Pipistrelle (English)	*Neoromicia nana* (Peters, 1852)
Banana Pipistrelle Bat (English)	*Neoromicia nana* (Peters, 1852)
Bananen Zwergfledermaus (German)	*Neoromicia nana* (Peters, 1852)
Bananen-Fledermaus (German)	*Neoromicia nana* (Peters, 1852)
Bananen-Mausohr (German)	*Myotis bocagii* (Peters, 1870)
Bananen-Pipistrelle (German)	*Neoromicia nana* (Peters, 1852)
banánoví netopýři (Czech)	*Neoromicia* Roberts, 1926
Barbastel ureglio lada (Roman)	*Barbastella barbastellus* (Schreber, 1774)
Barbastela (Spanish (Castillian))	*Barbastella barbastellus* (Schreber, 1774)
Barbastell (Swedish)	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle (French)	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle (English)	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle argentée (French)	*Glauconycteris argentata* (Dobson, 1875)
Barbastelle bariolée (French)	*Glauconycteris superba* Hayman, 1939
Barbastelle bat (English)	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle Bats (English)	*Barbastella* Gray, 1821
Barbastelle Commune (French)	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle d'Abo (French)	*Glauconycteris poensis* (Gray, 1842)
Barbastelle d'Allen (French)	*Glauconycteris alboguttata* J.A. Allen, 1917
Barbastelle de Béatrix (French)	*Glauconycteris beatrix* Thomas, 1901
Barbastelle de Glen (French)	*Glauconycteris gleni* Peterson and Smith, 1973
Barbastelle d'Europe (French)	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle du Bibundi (French)	*Glauconycteris egeria* Thomas, 1913
Barbastelle du Kenya (French)	*Glauconycteris kenyacola* Peterson, 1982
Barbastelle occidentale (French)	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle orientale (French)	*Barbastella leucomelas* (Cretzschmar, 1826)
Barbastelles (French)	*Barbastella* Gray, 1821
Barbastelles (English)	*Barbastella* Gray, 1821
Barbastello (Italian)	*Barbastella barbastellus* (Schreber, 1774)
Bartfledermaus (German)	*Myotis mystacinus* (Kuhl, 1817)
Baso-saguzar arrunt (Basque)	*Barbastella barbastellus* (Schreber, 1774)
Bates' Schlitznasen-Fledermaus (German)	*Nycteris arge* Thomas, 1903
Bates's Slit-faced Bat (English)	*Nycteris arge* Thomas, 1903
Bats (English)	*CHIROPTERA* Blumenbach, 1779
Beatrix Bufferfly Bat (English)	*Glauconycteris beatrix* Thomas, 1901
Beatrix's Bat (English)	*Glauconycteris beatrix* Thomas, 1901
bejložraví netopýři (Czech)	*PTEROPODIDAE* Gray, 1821
Belarrihandi kanariar (Basque)	*Plecotus teneriffae* Barrett-Hamilton, 1907
Beloraben Liljak (Macedonian)	*Pipistrellus kuhlii* (Kuhl, 1817)
belorobi netopir (Slovenian)	*Pipistrellus kuhlii* (Kuhl, 1817)
Bemmelens Bulldoggfledermaus (German)	*Chaerephon bemmeleni* (Jentink, 1879)
Benguela Fruit-bat (English)	*Plerotes anchietae* (Seabra, 1900)
Benito Leaf-nosed Bat (English)	*Hipposideros beatus* (K. Andersen, 1906)
Benito Roundleaf Bat (English)	*Hipposideros beatus* (K. Andersen, 1906)
Benito-Rundblattnase (German)	*Hipposideros beatus* (K. Andersen, 1906)
Bent-winged bat (English)	*Miniopterus schreibersii* (Kuhl, 1817)
Bent-winged Bats (English)	*Miniopterus* Bonaparte, 1837
Bergmans's Collared Fruit Bat (English)	*Myonycteris relicta* Bergmans, 1980
Bergmans's fruit bat (English)	*Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Bergmans's Small Fruit Bat (English)	*Myonycteris relicta* Bergmans, 1980
Bibundi Bat (English)	*Glauconycteris egeria* Thomas, 1913
Bibundi Bufferfly Bat (English)	*Glauconycteris egeria* Thomas, 1913
Bibundi Schmetterlingsfledermaus (German)	*Glauconycteris egeria* Thomas, 1913
Big-brown bats (English)	*Eptesicus* Rafinesque, 1820
Big-eared Bats (English)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Big-eared Bulldog Bats (English)	*Otomops* Thomas, 1913
Big-eared Free-tailed Bat (English)	*Tadarida lobata* (Thomas, 1891)
Big-eared Free-tailed Bats (English)	*Otomops* Thomas, 1913
Big-eared Guano Bat (English)	*Tadarida lobata* (Thomas, 1891)
Big-eared Kenya Free-tailed Bat (English)	*Tadarida lobata* (Thomas, 1891)
Big-eared Kenyan Guano Bat (English)	*Tadarida lobata* (Thomas, 1891)
Big-eared leaf-nosed bat (English)	*Hipposideros megalotis* (Heuglin, 1861)

Common Name	Taxon Name
Big-eared slit-faced bat (English)	*Nycteris macrotis* Dobson, 1876
Bini Free-tailed Bat (English)	*Myopterus whitleyi* (Scharff, 1900)
Bini Pergamentflügel-Fledermaus (German)	*Myopterus whitleyi* (Scharff, 1900)
Bini Winged-mouse Bat (English)	*Myopterus whitleyi* (Scharff, 1900)
Black and Red Free-tailed Bat (English)	*Chaerephon jobimena* Goodman and Cardiff, 2004
Black Clinging Bat (English)	*Miniopterus fraterculus* Thomas and Schwann, 1906
Black Flying- fox (English)	*Pteropus livingstonii* Gray, 1866
Blackish Butterfly Bat (English)	*Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
Bladneusvleermuizen (Dutch)	*HIPPOSIDERIDAE* Lydekker, 1891
Blasiev Potkovichar (Macedonian)	*Rhinolophus blasii* Peters, 1867
Blasius Hufeisennase (German)	*Rhinolophus blasii* Peters, 1867
Blasius-hoefijzerneus (Dutch)	*Rhinolophus blasii* Peters, 1867
Blasius-Hufeisennase (German)	*Rhinolophus blasii* Peters, 1867
Blasius's Horseshoe bat (English)	*Rhinolophus blasii* Peters, 1867
Blazijev potkovnjak (Croatian)	*Rhinolophus blasii* Peters, 1867
Bleek losstertvlermuis (Afrikaans)	*Chaerephon chapini* J.A. Allen, 1917
Blue-grey Bats (English)	*Glauconycteris* Dobson, 1875
Bocage Banana Bat (English)	*Myotis bocagii* (Peters, 1870)
Bocage se vrugtevlermuis (Afrikaans)	*Myonycteris angolensis* (Bocage, 1898)
Bocage's Free-tailed Bat (English)	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
Bocage's Fruit-bat (English)	*Myonycteris angolensis* (Bocage, 1898)
Bocage's Hairy Bat (English)	*Myotis bocagii* (Peters, 1870)
Bocage's Mouse-eared Bat (English)	*Myotis bocagii* (Peters, 1870)
Bocagese Losstertvlermuis (Afrikaans)	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
Bocage-vrugtevlermuis (Afrikaans)	*Myonycteris angolensis* (Bocage, 1898)
Bonneted Bats (English)	*MOLOSSIDAE* Gervais, 1856
Bonneted Bats (English)	*Molossinae* Gervais, 1856
Bosveldsaalneusvlermuis (Afrikaans)	*Rhinolophus simulator* K. Andersen, 1904
Bosveldvlermuis (Afrikaans)	*Rhinolophus simulator* K. Andersen, 1904
Bosvleermuis (Dutch)	*Nyctalus leisleri* (Kuhl, 1817)
Botswana Long-eared Bat (English)	*Laephotis botswanae* Setzer, 1971
Botswana-Langohrfledermaus (German)	*Laephotis botswanae* Setzer, 1971
Botswana-langoorvlermuis (Afrikaans)	*Laephotis botswanae* Setzer, 1971
Botswanan Long-eared Bat (English)	*Laephotis botswanae* Setzer, 1971
Bottas Breitflügelfledermaus (German)	*Eptesicus bottae* (Peters, 1869)
Botta's Serotine (English)	*Eptesicus bottae* (Peters, 1869)
Botta's Serotine Bat (English)	*Eptesicus bottae* (Peters, 1869)
Botta's vleermuis (Dutch)	*Eptesicus bottae* (Peters, 1869)
Bourbon Bat (English)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Bourbonische Schwirrfledermaus (German)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Bredøret flagermus (Danish)	*Barbastella barbastellus* (Schreber, 1774)
Breitflügelfledermäuse (German)	*Eptesicus* Rafinesque, 1820
Breitgesicht-Flughunde (German)	*Plerotes* K. Andersen, 1910
Breitköpfige Pipistrelle (German)	*Hypsugo crassulus* (Thomas, 1904)
Breitköpfige Zwergfledermaus (German)	*Hypsugo crassulus* (Thomas, 1904)
brkati netopir (Slovenian)	*Myotis mystacinus* (Kuhl, 1817)
Broad-headed Pipistrelle (English)	*Hypsugo crassulus* (Thomas, 1904)
Broad-headed Pipistrelle Bat (English)	*Hypsugo crassulus* (Thomas, 1904)
Brown bats (English)	*Scotophilus* Leach, 1821
Brown House Bat (English)	*Scotophilus nigrita* (Schreber, 1774)
Brown Pipistrelle Bat (English)	*Neoromicia brunnea* (Thomas, 1880)
Brunnich's Mouse-tailed Bat (English)	*Rhinopoma microphyllum* (Brünnich, 1782)
Buettikofer's Clamorous Fruit-bat (English)	*Epomops buettikoferi* (Matschie, 1899)
Buettikofer's Epauletted Bat (English)	*Epomops buettikoferi* (Matschie, 1899)
Buettikofer's Epauletted Fruit Bat (English)	*Epomops buettikoferi* (Matschie, 1899)
buldočí pochvorepi (Czech)	*Coleura* Peters, 1867
Buldoggflaggermus (Norwegian)	*MOLOSSIDAE* Gervais, 1856
Buldogvleermuizen (Dutch)	*MOLOSSIDAE* Gervais, 1856
Bulldog Bats (English)	*Molossinae* Gervais, 1856
Bulldog Bats (English)	*MOLOSSIDAE* Gervais, 1856
Bulldoggfledermaus (German)	*Tadarida teniotis* (Rafinesque, 1814)
Bulldoggfledermäuse (German)	*MOLOSSIDAE* Gervais, 1856
Bulldogg-Fledermäuse (German)	*MOLOSSIDAE* Gervais, 1856
Bulveermuis (Dutch)	*Tadarida teniotis* (Rafinesque, 1814)
Bunte Wollfledermaus (German)	*Kerivoula argentata* Tomes, 1861
Buschveld-Hufeisennase (German)	*Rhinolophus simulator* K. Andersen, 1904
Bushveld Horseshoe Bat (English)	*Rhinolophus simulator* K. Andersen, 1904
Butterfly Bat (English)	*Glauconycteris variegata* (Tomes, 1861)
Butterfly Bats (English)	*Glauconycteris* Dobson, 1875
Büttikofers Epaulettenflughund (German)	*Epomops buettikoferi* (Matschie, 1899)
Büttikofer's Fruit Bat (English)	*Epomops buettikoferi* (Matschie, 1899)
Cabeza Martillo (Spanish (Castillian))	*Hypsignathus monstrosus* H. Allen, 1862

Common Name	Taxon Name
Cabrera's rondbladneus (Dutch)	*Hipposideros tephrus* (Cabrera, 1906)
Cameroon Leaf-nosed Bat (English)	*Hipposideros camerunensis* Eisentraut, 1956
Campo-Ma'an fruit bat (English)	*Casinycteris campomaanensis* Hassanin, 2014
Campomaan-Flughund (German)	*Casinycteris campomaanensis* Hassanin, 2014
Canarische grootoorvleermuis (Dutch)	*Plecotus teneriffae* Barrett-Hamilton, 1907
Canary big-eared bat (English)	*Plecotus teneriffae* Barrett-Hamilton, 1907
Canary Long-eared bat (English)	*Plecotus teneriffae* Barrett-Hamilton, 1907
Canon Smith's Rousette (English)	*Myonycteris angolensis* (Bocage, 1898)
Capaccinii's Mouse-eared Bat (English)	*Myotis capaccinii* (Bonaparte, 1837)
Capaccini's vleermuis (Dutch)	*Myotis capaccinii* (Bonaparte, 1837)
Cape bat (English)	*Neoromicia capensis* (A. Smith, 1829)
Cape Hairy Bat (English)	*Myotis tricolor* (Temminck, 1832)
Cape Hairy Myotis (English)	*Myotis tricolor* (Temminck, 1832)
Cape Horseshoe Bat (English)	*Rhinolophus capensis* Lichtenstein, 1823
Cape House Bat (English)	*Neoromicia capensis* (A. Smith, 1829)
Cape Leaf-nosed bat (English)	*Hipposideros caffer* (Sundevall, 1846)
Cape Long-eared Bat (English)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Cape Myotis (English)	*Myotis tricolor* (Temminck, 1832)
Cape Pipistrelle Bat (English)	*Neoromicia capensis* (A. Smith, 1829)
Cape Serotine (English)	*Neoromicia capensis* (A. Smith, 1829)
Cape Serotine Bat (English)	*Neoromicia capensis* (A. Smith, 1829)
Capische Abendfledermaus (German)	*Neoromicia capensis* (A. Smith, 1829)
Capische Trugfledermaus (German)	*Eptesicus hottentotus* (A. Smith, 1833)
Capischen Kamnase (German)	*Rhinolophus capensis* Lichtenstein, 1823
Cardiodèrma (Italian)	*Cardioderma* Peters, 1873
Cardiodèrma nàso a cuòre (Italian)	*Cardioderma cor* (Peters, 1872)
Cardioderme à nez en cœur (French)	*Cardioderma cor* (Peters, 1872)
Cardiodermes (French)	*Cardioderma* Peters, 1873
Carlìno brachìttero (Italian)	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Carlìno condilùro (Italian)	*Mops (Mops) condylurus* (A. Smith, 1833)
Carlìno Mìda (Italian)	*Mops (Mops) midas* (Sundevall, 1843)
Carlìno setolóso (Italian)	*Platymops setiger* (Peters, 1878)
Casinyctère (French)	*Casinycteris* Thomas, 1910
Casinyctère (French)	*Casinycteris argynnis* Thomas, 1910
Casinyctère de Campo-Ma'an (French)	*Casinycteris campomaanensis* Hassanin, 2014
Casinyctère dorée (French)	*Casinycteris argynnis* Thomas, 1910
Central Africa Pipistrelle (English)	*Pipistrellus inexspectatus* Aellen, 1959
Centralafrikanische Doggengrämler (German)	*Mops (Mops) condylurus* (A. Smith, 1833)
Chagrin Fledermaus (German)	*Eptesicus floweri* (de Winton, 1901)
Chapins Bulldoggfledermaus (German)	*Chaerephon chapini* J.A. Allen, 1917
Chapin's Free-tailed Bat (English)	*Chaerephon chapini* J.A. Allen, 1917
Chapin's Wrinkle-lipped Bat (English)	*Chaerephon chapini* J.A. Allen, 1917
Chauve-souris à 3 endentures (French)	*Asellia* Gray, 1838
Chauve-souris à épaulettes de Gambie (French)	*Epomophorus gambianus* (Ogilby, 1835)
Chauve-souris à longues oreilles d'Angola (French)	*Laephotis angolensis* Monard, 1935
Chauve-souris à longues oreilles de De Winton (French)	*Laephotis wintoni* Thomas, 1901
Chauve-souris à longues oreilles de Namibie (French)	*Laephotis namibensis* Setzer, 1971
Chauve-souris à longues oreilles du Botswana (French)	*Laephotis botswanae* Setzer, 1971
Chauve-souris à oreilles en trompette de Spurell (French)	*Kerivoula phalaena* Thomas, 1912
Chauve-souris à oreilles en trompette de Spurell (French)	*Kerivoula phalaena* Thomas, 1912
Chauve-souris à oreilles pointues de Hemprich (French)	*Otonycteris hemprichii* Peters, 1859
Chauve-souris à pieds à ventouses de Madagascar (French)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Chauve-souris à queue de souris (French)	*Rhinopoma cystops* Thomas, 1903
Chauve-souris à queue en fourreau d'Afrique (French)	*Coleura afra* (Peters, 1852)
Chauve-souris à queue en fourreau des Seychelles (French)	*Coleura seychellensis* Peters, 1868
Chauve-souris à queue gainée d'Afrique (French)	*Coleura afra* (Peters, 1852)
Chauve-souris à queue gainée de Pel (French)	*Saccolaimus peli* (Temminck, 1853)
Chauve-souris à queue gainée des Seychelles (French)	*Coleura seychellensis* Peters, 1868
chauve-souris à tête de marteau (French)	*Hypsignathus monstrosus* H. Allen, 1862
Chauve-souris à tête plate (French)	*Mimetillus* Thomas, 1904
Chauve-souris à tête plate de Moloney (French)	*Mimetillus moloneyi* (Thomas, 1891)
Chauve-souris à ventouses de Schliemann (French)	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
Chauve-souris bouledogue géante (French)	*Otomops martiensseni* (Matschie, 1897)
Chauve-souris de Commerson à nez feuillu (French)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Chauve-souris de Commerson à nez feuillu (French)	*Macronycteris gigas* (Wagner, 1845)
Chauve-souris de Schlieffen (French)	*Nycticeinops schlieffenii* (Peters, 1859)
Chauve-souris de Schreiber (French)	*Miniopterus schreibersii* (Kuhl, 1817)
Chauve-souris de Thomas (French)	*Scotoecus albofuscus* (Thomas, 1890)
Chauve-souris de Veldkamp (French)	*Nanonycteris veldkampii* (Jentink, 1888)
chauve-souris des Hauts (French)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Chauve-souris des tombes (French)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818

Common Name	Taxon Name
Chauve-souris des Tombes (French)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Chauve-souris des tombes egyptiennes (French)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Chauve-souris domestique malgache (French)	*Scotophilus robustus* A. Milne-Edwards, 1881
Chauve-souris du crépuscule (French)	*Nycticeinops schlieffenii* (Peters, 1859)
Chauve-souris frugivore à collier d'Afrique orientale (French)	*Myonycteris relicta* Bergmans, 1980
Chauve-souris frugivore à collier de São Tomé (French)	*Myonycteris brachycephala* (Bocage, 1889)
Chauve-souris frugivore à palais court (French)	*Casinycteris argynnis* Thomas, 1910
Chauve-souris frugivore d'Anchieta (French)	*Plerotes anchietae* (Seabra, 1900)
Chauve-souris jaune des maisons (French)	*Scotophilus dinganii* (A. Smith, 1833)
Chauve-souris laineuse (French)	*Kerivoula lanosa* (A. Smith, 1847)
Chauve-souris laineuse cuivrée (French)	*Kerivoula cuprosa* Thomas, 1912
Chauve-souris laineuse d'Ethiopie (French)	*Kerivoula eriophora* (Heuglin, 1877)
Chauve-souris laineuse du Damara (French)	*Kerivoula argentata* Tomes, 1861
Chauve-souris malgache à oreille de souris (French)	*Myotis goudoti* (A. Smith, 1834)
Chauve-souris malgache à pieds à ventouses (French)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Chauve-souris malgache à queue en fourreau (French)	*Paremballonura atrata* (Peters, 1874)
Chauve-souris malgache balafrée (French)	*Nycteris madagascariensis* G. Grandidier, 1937
Chauve-souris mauritienne des tombeaux (French)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
chauve-souris paillée (French)	*Eidolon helvum* (Kerr, 1792)
Chauve-souris papillon (French)	*Glauconycteris variegata* (Tomes, 1861)
Chauve-souris peinte argentée (French)	*Kerivoula argentata* Tomes, 1861
Chauve-souris peinte cuivrée (French)	*Kerivoula cuprosa* Thomas, 1912
Chauve-souris peinte de Smith (French)	*Kerivoula smithii* Thomas, 1880
Chauve-souris peinte de Tanzanie (French)	*Kerivoula africana* Dobson, 1878
Chauve-souris peinte d'Ethiopie (French)	*Kerivoula eriophora* (Heuglin, 1877)
Chauve-souris peinte phalène (French)	*Kerivoula phalaena* Thomas, 1912
Chauve-souris réticulée (French)	*Glauconycteris variegata* (Tomes, 1861)
Chauve-souris trident (French)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Chauves-souris (French)	*CHIROPTERA* Blumenbach, 1779
Chauves-souris à épaulettes (French)	*Epomophorus* Bennett, 1836
Chauves-souris à grandes oreilles (French)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Chauves-souris à longues oreilles (French)	*Laephotis* Thomas, 1901
Chauves-souris à nez large (French)	*Nyctalus* Bowdich, 1825
Chauves-souris à queue de souris (French)	*RHINOPOMATIDAE* Dobson, 1872
Chauves-souris à queue gainée (French)	*Coleura* Peters, 1867
Chauves-souris à ventouses (French)	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
Chauves-souris des maisons (French)	*Scotoecus* Thomas, 1901
Chauves-souris peintes (French)	*Kerivoula* Gray, 1842
Cherefónte bivittàto (Italian)	*Chaerephon bivittatus* (Heuglin, 1861)
Cherefónte di Ansòrge (Italian)	*Chaerephon ansorgei* (Thomas, 1913)
Cherefónte nigeriàno (Italian)	*Chaerephon nigeriae* Thomas, 1913
Cherefónte pigmèo (Italian)	*Chaerephon pumilus* (Cretzschmar, 1826)
Cherefónti (Italian)	*Chaerephon* Dobson, 1874
Cherìvoula di Smith (Italian)	*Kerivoula smithii* Thomas, 1880
Cherìvoule (Italian)	*Kerivoula* Gray, 1842
Chien volant à épaulettes du Congo (French)	*Epomops franqueti* (Tomes, 1860)
Chien volant à tête en marteau (French)	*Hypsignathus monstrosus* H. Allen, 1862
Chiròtreri (Italian)	*CHIROPTERA* Blumenbach, 1779
Christie's Long-eared Bat (English)	*Plecotus christii* Gray, 1838
Christis Graues Langohr (German)	*Plecotus christii* Gray, 1838
Chuchu (Manganja)	*Neoromicia nana* (Peters, 1852)
cíponos africký (Czech)	*Triaenops afer* Peters, 1877
cíponos aldabránský (Czech)	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
cíponos jihoafrický (Czech)	*Cloeotis percivali* Thomas, 1901
cíponos madagaskarský (Czech)	*Triaenops menamena* Goodman and Ranivo, 2009
cíponos malý (Czech)	*Paratriaenops furculus* (Trouessart, 1907)
cíponos zlatý (Czech)	*Paratriaenops auritus* (G. Grandidier, 1912)
Clamorous Fruit-bats (English)	*Epomops* Gray, 1866
Cléothe de Percival (French)	*Cloeotis percivali* Thomas, 1901
Cléothes (French)	*Cloeotis* Thomas, 1901
Cloeòtide di Pèrcival (Italian)	*Cloeotis percivali* Thomas, 1901
Cloeòtidi (Italian)	*Cloeotis* Thomas, 1901
Cohen's Horseshoe Bat (English)	*Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Cohens Hufeisennase (German)	*Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Còleura africàna (Italian)	*Coleura afra* (Peters, 1852)
Collared Fruit-bats (English)	*Myonycteris* Matschie, 1899
Commerson se bladneusvlermuis (Afrikaans)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Commerson se bladneusvlermuis (Afrikaans)	*Macronycteris gigas* (Wagner, 1845)
Commerson-bladneusvlermuis (Afrikaans)	*Macronycteris gigas* (Wagner, 1845)

Common Name	Taxon Name
Commerson-bladneusvlermuis (Afrikaans)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Commerson's Leaf-nosed Bat (English)	*Macronycteris gigas* (Wagner, 1845)
Commerson's Leaf-nosed Bat (English)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Commerson's Rhinolph (English)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Commerson's Rhinolph (English)	*Macronycteris gigas* (Wagner, 1845)
Commerson's roundleaf bat (English)	*Macronycteris gigas* (Wagner, 1845)
Commerson's roundleaf bat (English)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Commersonse Blaarneusvlermuis (Afrikaans)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Commersonse Blaarneusvlermuis (Afrikaans)	*Macronycteris gigas* (Wagner, 1845)
Common African Leaf-nosed Bat (English)	*Hipposideros caffer* (Sundevall, 1846)
Common Barbastelle (English)	*Barbastella barbastellus* (Schreber, 1774)
Common Bentwing Bat (English)	*Miniopterus schreibersii* (Kuhl, 1817)
Common Bent-winged Bat (English)	*Miniopterus schreibersii* (Kuhl, 1817)
Common Butterfly Bat (English)	*Glauconycteris argentata* (Dobson, 1875)
Common Long-fingered Bat (English)	*Miniopterus schreibersii* (Kuhl, 1817)
Common Pipistrelle (English)	*Pipistrellus pipistrellus* (Schreber, 1774)
Common Pipistrelle Bat (English)	*Pipistrellus pipistrellus* (Schreber, 1774)
Common Slit-faced Bat (English)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Comores Flying Fox (English)	*Pteropus livingstonii* Gray, 1866
Comoro Black Flying Fox (English)	*Pteropus livingstonii* Gray, 1866
Comoro Flying Fox (English)	*Pteropus livingstonii* Gray, 1866
Comoro Rousette (English)	*Rousettus obliviosus* Kock, 1978
Congo Horseshoe Bat (English)	*Rhinolophus adami* Aellen and Brosset, 1968
Copper Woolly Bat (English)	*Kerivoula cuprosa* Thomas, 1912
Crested Free-tail Bat (English)	*Chaerephon chapini* J.A. Allen, 1917
Crested Wrinkle-lipped Bat (English)	*Chaerephon chapini* J.A. Allen, 1917
Cretzschmar's Brown Bat (English)	*Scotophilus leucogaster* (Cretzschmar, 1826)
Cretzschmar's Horseshoe bat (English)	*Rhinolophus clivosus* Cretzschmar, 1828
csonkafülû denevér (Hungarian)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Curry's Bat (English)	*Glauconycteris curryae* Eger and Schlitter, 2001
Curry's Butterfly Bat (English)	*Glauconycteris curryae* Eger and Schlitter, 2001
Currys Schmetterlingsfledermaus (German)	*Glauconycteris curryae* Eger and Schlitter, 2001
Cyclops Bat (English)	*Doryrhina cyclops* (Temminck, 1853)
Cyclops Leaf-nosed Bat (English)	*Doryrhina cyclops* (Temminck, 1853)
Cyclops Roundleaf Bat (English)	*Doryrhina cyclops* (Temminck, 1853)
Damara Woolly Bat (English)	*Kerivoula argentata* Tomes, 1861
Damara-Hufeisennase (German)	*Rhinolophus damarensis* Roberts, 1946
Damaralandse Wolhaarvlermuis (Afrikaans)	*Kerivoula argentata* Tomes, 1861
Damara-wolhaarvlermuis (Afrikaans)	*Kerivoula argentata* Tomes, 1861
D'Anchieta's Fruit Bat (English)	*Plerotes anchietae* (Seabra, 1900)
Dar-es-salaam Pipistrelle (English)	*Pipistrellus permixtus* Aellen, 1957
Dar-es-Salaam Pipistrelle Bat (English)	*Pipistrellus permixtus* Aellen, 1957
Dark Flying Fox (English)	*Pteropus subniger* (Kerr, 1792)
Dark House Bat (English)	*Scotophilus nux* Thomas, 1904
Dark-brown Pipistrelle Bat (English)	*Neoromicia brunnea* (Thomas, 1880)
Dark-brown Serotine (English)	*Neoromicia brunnea* (Thomas, 1880)
Dark-winged Lesser House Bat (English)	*Scotoecus hirundo* (de Winton, 1899)
Darling se saalneusvlermuis (Afrikaans)	*Rhinolophus darlingi* K. Andersen, 1905
Darling's Horseshoe Bat (English)	*Rhinolophus darlingi* K. Andersen, 1905
Darlings Hufeisennase (German)	*Rhinolophus darlingi* K. Andersen, 1905
Darling-saalneusvlermuis (Afrikaans)	*Rhinolophus darlingi* K. Andersen, 1905
dasíci (Czech)	*Barbastella* Gray, 1821
dasík černý (Czech)	*Barbastella barbastellus* (Schreber, 1774)
dasík arabský (netopýr skalní) (Czech)	*Barbastella leucomelas* (Cretzschmar, 1826)
Daubenton's Free-tailed Bat (English)	*Myopterus daubentonii* Desmarest, 1820
Daubentons Pergamentflügel-Fledermaus (German)	*Myopterus daubentonii* Desmarest, 1820
Daubenton's Winged-mouse Bat (English)	*Myopterus daubentonii* Desmarest, 1820
De Beaux's Trident Bat (English)	*Asellia italosomalica* de Beaux, 1931
de Wintonovi netopýři (Czech)	*Laephotis* Thomas, 1901
De Wintons Langohrfledermaus (German)	*Laephotis wintoni* Thomas, 1901
De Winton's Long-eared Bat (English)	*Laephotis wintoni* Thomas, 1901
Decken's Horseshoe Bat (English)	*Rhinolophus deckenii* Peters, 1868
Deckens Hufeisennase (German)	*Rhinolophus deckenii* Peters, 1868
Dent se saalneusvlermuis (Afrikaans)	*Rhinolophus denti* Thomas, 1904
Dent's Horseshoe Bat (English)	*Rhinolophus denti* Thomas, 1904
Dents Hufeisennase (German)	*Rhinolophus denti* Thomas, 1904
Dent-saalneusvlermuis (Afrikaans)	*Rhinolophus denti* Thomas, 1904
Dentse Vlermuis (Afrikaans)	*Rhinolophus denti* Thomas, 1904
Desert Bats (English)	*Otonycteris* Peters, 1859

Common Name	Taxon Name
Desert Big-eared Bats (English)	*Otonycteris* Peters, 1859
Desert Long-eared Bat (English)	*Otonycteris hemprichii* Peters, 1859
Desert Long-eared Bats (English)	*Otonycteris* Peters, 1859
Desert Pipistrelle (English)	*Hypsugo ariel* (Thomas, 1904)
Dingaan's House Bat (English)	*Scotophilus dinganii* (A. Smith, 1833)
Dingaan's Yellow Bat (English)	*Scotophilus dinganii* (A. Smith, 1833)
Dingan's Bat (English)	*Scotophilus dinganii* (A. Smith, 1833)
Dja Schlitznasen-Fledermaus (German)	*Nycteris major* (K. Andersen, 1912)
Dja Slit-faced Bat; Large Slit-faced Bat (English)	*Nycteris major* (K. Andersen, 1912)
Dja-Schlitzenasenfledermaus (German)	*Nycteris major* (K. Andersen, 1912)
dlouhojazyční kaloni (Czech)	*Megaloglossus* Pagenstecher, 1885
Dobson se vrugtevlermuis (Afrikaans)	*Epomophorus dobsonii* Bocage, 1889
Dobson's Bats (English)	*Glauconycteris* Dobson, 1875
Dobson's Epauletted Bat (English)	*Epomophorus dobsonii* Bocage, 1889
Dobson's Epauletted Fruit Bat (English)	*Epomophorus dobsonii* Bocage, 1889
Dobsons Epaulettenflughund (German)	*Epomophorus dobsonii* Bocage, 1889
Dobson's Fruit Bat (English)	*Epomophorus dobsonii* Bocage, 1889
Dobson-vrugtevlermuis (Afrikaans)	*Epomophorus dobsonii* Bocage, 1889
Doggilepakot (Finnish)	*MOLOSSIDAE* Gervais, 1856
Dolgokrilest Liljak (Macedonian)	*Miniopterus schreibersii* (Kuhl, 1817)
dolgokrili netopir (Slovenian)	*Miniopterus schreibersii* (Kuhl, 1817)
dolgonogi netopir (Slovenian)	*Myotis capaccinii* (Bonaparte, 1837)
Dolgoprst Nokjnik (Macedonian)	*Myotis capaccinii* (Bonaparte, 1837)
Dongola-Dämmerungsfledermaus (German)	*Pipistrellus rueppellii* (Fischer, 1829)
Dreifarb-Mausohr (German)	*Myotis tricolor* (Temminck, 1832)
Dreizackblattnase (German)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Dreizackblattnasen (German)	*Asellia* Gray, 1838
Dreizahn-Blattnasen (German)	*Triaenops* Dobson, 1871
Dreyzahnige Kammnase (German)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Drietand-blaarneusvlermuis (Afrikaans)	*Cloeotis percivali* Thomas, 1901
Drietandbladneusvleermuis (Dutch)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Drietand-bladneusvlermuis (Afrikaans)	*Cloeotis percivali* Thomas, 1901
Drobni netopir; Liliacul-pitic mediteranean (Slovenian)	*Pipistrellus pygmaeus* (Leach, 1825)
dugokrili slijepi miš (Bosnian)	*Miniopterus schreibersii* (Kuhl, 1817)
Dugonogi šišmiš (Croatian)	*Myotis capaccinii* (Bonaparte, 1837)
Duke of Abruzzi's Free-tailed Bat (English)	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Duke of Abruzzi's Wrinkle-lipped Bat (English)	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Dunkelbraune Pipistrelle (German)	*Neoromicia brunnea* (Thomas, 1880)
Dunkelbraune Zwergfledermaus (German)	*Neoromicia brunnea* (Thomas, 1880)
Dusky leaf-nosed bat (English)	*Hipposideros fuliginosus* (Temminck, 1853)
dusky pipistrelle (English)	*Pipistrellus hesperidus* (Temminck, 1840)
dutonosec (Czech)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
dutonosecové (Czech)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Dværgflagermus (Danish)	*Pipistrellus pygmaeus* (Leach, 1825)
Dværgflagermus (Danish)	*Pipistrellus pipistrellus* (Schreber, 1774)
Dvaerghesteskonaese (Danish)	*Rhinolophus hipposideros* (Bechstein, 1800)
Dvärgfladdermus; (Swedish)	*Pipistrellus pygmaeus* (Leach, 1825)
Dvergflaggermus (Norwegian)	*Pipistrellus pipistrellus* (Schreber, 1774)
Dvergflaggermus (Norwegian)	*Pipistrellus pygmaeus* (Leach, 1825)
Dwarf Epauletted Bat (English)	*Myonycteris* Matschie, 1899
Dwarf Epauletted Fruit Bat (English)	*Micropteropus pusillus* (Peters, 1868)
Dwarf epauletted fruit bats (English)	*Micropteropus* Matschie, 1899
Dwarf Free-tailed Bat (English)	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Dwarf Fruit-bats (English)	*Nanonycteris* Matschie, 1899
Dwarf Leaf-nosed Bat (English)	*Hipposideros beatus* (K. Andersen, 1906)
Dwarf Mops Bat (English)	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Dwarf Pipistrelle Bat (English)	*Pipistrellus nanulus* Thomas, 1904
Dwarf Slit-faced Bat (English)	*Nycteris nana* (K. Andersen, 1912)
Dwarsoorvleermuis (Dutch)	*Barbastella barbastellus* (Schreber, 1774)
Dzudzest Liljak (Macedonian)	*Pipistrellus pipistrellus* (Schreber, 1774)
East African Collared Fruit-bat (English)	*Myonycteris relicta* Bergmans, 1980
East African Epauletted Fruit Bat (English)	*Epomophorus minimus* Claessen & De Vree, 1991
East African Epauletted Fruit-bat (English)	*Epomophorus minimus* Claessen & De Vree, 1991
East African Flat-headed Bat (English)	*Platymops setiger* (Peters, 1878)
East African Flat-headed Bats (English)	*Platymops* Thomas, 1906
East African Little Collared Fruit Bat (English)	*Myonycteris relicta* Bergmans, 1980
East African Trident Bat (English)	*Cloeotis percivali* Thomas, 1901
Eastern Africa Free-tailed Bat (English)	*Tadarida lobata* (Thomas, 1891)
Eastern Africa horseshoe bat (English)	*Rhinolophus deckenii* Peters, 1868
Eastern Barbastelle (English)	*Barbastella leucomelas* (Cretzschmar, 1826)
Eastern Barbastelle Bat (English)	*Barbastella leucomelas* (Cretzschmar, 1826)
Eastern Sucker-footed Bat (English)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878

Common Name	Taxon Name
Eger-Langflügelfledermaus (German)	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
Eger's long-fingered bat (English)	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
Egiptiese losstertvlermuis (Afrikaans)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Egiptiese spleetneusvlermuis (Afrikaans)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Egiptiese vrugtevlermuis (Afrikaans)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Egiptiese witlyfvlermuis (Afrikaans)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
egyptští kaloni (Czech)	*Rousettus* Gray, 1821
Egyptian Desert Pipistrelle (English)	*Hypsugo ariel* (Thomas, 1904)
Egyptian Free-tailed Bat (English)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Egyptian Fruit Bat (English)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Egyptian Guano Bat (English)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Egyptian Mouse-tailed bat (English)	*Rhinopoma cystops* Thomas, 1903
Egyptian Nyctinome (English)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Egyptian Rousette (English)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Egyptian Rousette Bat (English)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Egyptian Sheath-tailed Bat (English)	*Taphozous nudiventris* Cretzschmar, 1830
Egyptian Slit-faced Bat (English)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Egyptian Tomb Bat (English)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Egyptian Xantharpy (English)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Egyptische grafvleermuis (Dutch)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Egyptische grootoorvleermuis (Dutch)	*Plecotus christii* Gray, 1838
Egyptischte bulvleermuis (Dutch)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Èidoli (Italian)	*Eidolon* Rafinesque, 1815
Èidolo paglierìno (Italian)	*Eidolon helvum* (Kerr, 1792)
Eidolon fruit bats (English)	*Eidolon* Rafinesque, 1815
Eisentraut's Leaf-nosed Bat (English)	*Hipposideros camerunensis* Eisentraut, 1956
Eisentrauts Pipistrelle (German)	*Hypsugo eisentrauti* (Hill, 1968)
Eisentraut's pipistrelle (English)	*Hypsugo eisentrauti* (Hill, 1968)
Eisentraut's Pipistrelle Bat (English)	*Hypsugo eisentrauti* (Hill, 1968)
Eisentrauts Zwergfledermaus (German)	*Hypsugo eisentrauti* (Hill, 1968)
Ejeta's House Bat (English)	*Scotophilus ejetai* Brooks and Bickham, 2014
Ekte hesteskonese (Norwegian)	*RHINOLOPHIDAE* Gray, 1825
Elfen-Pipistrelle (German)	*Hypsugo ariel* (Thomas, 1904)
Elfen-Zwergfledermaus (German)	*Hypsugo ariel* (Thomas, 1904)
Eloquent Horseshoe Bat (English)	*Rhinolophus eloquens* K. Andersen, 1905
Emballonure d'Afrique (French)	*Coleura afra* (Peters, 1852)
Emballonure de Madagascar (French)	*Paremballonura atrata* (Peters, 1874)
Emballonure de Madagascar (French)	*Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
Emballonure des rochers (French)	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Emballonure des Seychelles (French)	*Coleura seychellensis* Peters, 1868
Emballonuridés (French)	*EMBALLONURIDAE* Gervais, 1855
Emballonùridi (Italian)	*EMBALLONURIDAE* Gervais, 1855
embalonurovití (Czech)	*EMBALLONURIDAE* Gervais, 1855
Epaulet bats (English)	*Epomops* Gray, 1866
Epauletted bats (English)	*Epomops* Gray, 1866
Epauletted Fruit-bats (English)	*Epomophorus* Bennett, 1836
Epaulettenflughund (German)	*Epomophorus* Bennett, 1836
Epaulettenflughunde (German)	*Epomops* Gray, 1866
Epaulettenflughunde (German)	*Epomophorus* Bennett, 1836
Epomòfori (Italian)	*Epomophorus* Bennett, 1836
Epomòforo di Wàhlberg (Italian)	*Epomophorus wahlbergi* (Sundevall, 1846)
Epomòforo labiàto (Italian)	*Epomophorus labiatus* (Temminck, 1837)
Epomòforo mìnimo (Italian)	*Epomophorus minimus* Claessen & De Vree, 1991
Epomophore d'Angola (French)	*Epomophorus angolensis* Gray, 1870
Epomophore d'Ansell (French)	*Epomophorus anselli* Bergmans and Van Strien, 2004
Epomophore de Buettikofer (French)	*Epomops buettikoferi* (Matschie, 1899)
Epomophore de Büttikofer (French)	*Epomops buettikoferi* (Matschie, 1899)
Epomophore de Dobson (French)	*Epomophorus dobsonii* Bocage, 1889
Epomophore de Franquet (French)	*Epomops franqueti* (Tomes, 1860)
Epomophore de Gambie (French)	*Epomophorus gambianus* (Ogilby, 1835)
Epomophore de Peters (French)	*Epomophorus crypturus* Peters, 1852
Epomophore de Sanborn (French)	*Epomophorus grandis* (Sanborn, 1950)
Epomophore d'Ethiopie (French)	*Epomophorus labiatus* (Temminck, 1837)
Epomophore frugivore de Wahlberg (French)	*Epomophorus wahlbergi* (Sundevall, 1846)
Epomophore nain (French)	*Epomophorus minimus* Claessen & De Vree, 1991
Epomophores (French)	*Epomophorus* Bennett, 1836
Epomophores de l'ouest (French)	*Epomops* Gray, 1866
Ethiopian Big-eared Bat (English)	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Ethiopian Epauletted Fruit Bat (English)	*Epomophorus labiatus* (Temminck, 1837)

Common Name	Taxon Name
Ethiopian Epauletted Fruit-bat (English)	*Epomophorus labiatus* (Temminck, 1837)
Ethiopian Large-eared Leaf-nosed Bat (English)	*Hipposideros megalotis* (Heuglin, 1861)
Ethiopian Large-eared Roundleaf Bat (English)	*Hipposideros megalotis* (Heuglin, 1861)
Ethiopian Long-eared Bat (English)	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Ethiopian Woolly Bat (English)	*Kerivoula eriophora* (Heuglin, 1877)
Eurasian Free-tailed Bat (English)	*Tadarida teniotis* (Rafinesque, 1814)
Europäische Bulldoggfledermaus (German)	*Tadarida teniotis* (Rafinesque, 1814)
Europäische Sackfledermaus (German)	*Miniopterus schreibersii* (Kuhl, 1817)
European Free-tailed Bat (English)	*Tadarida teniotis* (Rafinesque, 1814)
European Guano Bat (English)	*Tadarida teniotis* (Rafinesque, 1814)
Europese bulvleermuis (Dutch)	*Tadarida teniotis* (Rafinesque, 1814)
Evening bats (English)	*VESPERTILIONIDAE* Gray, 1821
Fairy Pipistrelle (English)	*Hypsugo ariel* (Thomas, 1904)
Falsche Vampire (German)	*MEGADERMATIDAE* H. Allen, 1864
False Vampire Bats (English)	*MEGADERMATIDAE* H. Allen, 1864
Fàlsi vampìri (Italian)	*MEGADERMATIDAE* H. Allen, 1864
Fàlsi vampìri dàlle àli giàlle (Italian)	*Lavia* Gray, 1838
falske hesteskoneser (Norwegian)	*HIPPOSIDERIDAE* Lydekker, 1891
falske vampyrer (Norwegian)	*MEGADERMATIDAE* H. Allen, 1864
Fàlso vampìre dàlle ali giàlle (Italian)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Fàlso vampìro dàl nàso a cuòre (Italian)	*Cardioderma cor* (Peters, 1872)
Fanihy (Malagasy)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Farfet il-Lejl ta' Xrajber (Maltese)	*Miniopterus schreibersii* (Kuhl, 1817)
Farfett il-Lejl tan-Nala kbir (Maltese)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Farfett il-Lejl tan-Nala Zghir (Maltese)	*Rhinolophus hipposideros* (Bechstein, 1800)
Farfett il-Lejl Widnet il-Gurdien (Maltese)	*Myotis punicus* Felten, 1977
Fehérszélu törpedenevér (Hungarian)	*Pipistrellus kuhlii* (Kuhl, 1817)
Felten's Myotis (English)	*Myotis punicus* Felten, 1977
Fenicische vale vleermuis (Dutch)	*Myotis punicus* Felten, 1977
Fer à cheval d'Hildebrant (French)	*Rhinolophus hildebrandtii* Peters, 1878
Fer à cheval du Kenya (French)	*Rhinolophus hildebrandtii* Peters, 1878
Fer-à-Cheval d'Afrique orientale (French)	*Rhinolophus deckenii* Peters, 1868
Fer-à-Cheval de Darling (French)	*Rhinolophus darlingi* K. Andersen, 1905
Ferra-saguzan handia (Basque)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Ferra-saguzar mediterraneoa (Basque)	*Rhinolophus euryale* Blasius, 1853
Ferra-saguzar txikia (Basque)	*Rhinolophus hipposideros* (Bechstein, 1800)
Fèrri di cavàllo (Italian)	*Rhinolophus* Lacépède, 1799
Fèrro di cavàllo affumicàto (Italian)	*Rhinolophus fumigatus* Rüppell, 1842
Fèrro di cavàllo di Blàsius (Italian)	*Rhinolophus blasii* Peters, 1867
Fèrro di cavàllo di Cretzschmar (Italian)	*Rhinolophus clivosus* Cretzschmar, 1828
Fèrro di cavàllo di Dècken (Italian)	*Rhinolophus deckenii* Peters, 1868
Ferro di cavallo di Méhely (Italian)	*Rhinolophus mehelyi* Matschie, 1901
Fèrro di cavàllo eloquènte (Italian)	*Rhinolophus eloquens* K. Andersen, 1905
Ferro di cavallo Eurìale (Italian)	*Rhinolophus euryale* Blasius, 1853
Ferro di Cavallo Maggiore (Italian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
ferro di cavallo mediterraneo (Italian)	*Rhinolophus euryale* Blasius, 1853
Fèrro di cavàllo minóre (Italian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Fèrro di cavàllo simulatóre (Italian)	*Rhinolophus simulator* K. Andersen, 1904
Fers-à-cheval (French)	*Rhinolophus* Lacépède, 1799
Fers-à-cheval (French)	*RHINOLOPHIDAE* Gray, 1825
Feuille de Daubenton (French)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Fid Mer (Somalian)	*CHIROPTERA* Blumenbach, 1779
Fidmair (Somalian)	*CHIROPTERA* Blumenbach, 1779
Fidmer (Somalian)	*CHIROPTERA* Blumenbach, 1779
Flachkopf-Bulldoggfledermäuse (German)	*Sauromys* Roberts, 1917
Flachkopf-Bulldoggfledermäuse (German)	*Platymops* Thomas, 1906
Flachköpfige Dämmerungsfledermaus (German)	*Pipistrellus hesperidus* (Temminck, 1840)
Flachschnauzigen Schwirrfledermaus (German)	*Scotophilus dinganii* (A. Smith, 1833)
Flat-faced Serotine Bat (English)	*Eptesicus platyops* (Thomas, 1901)
Flat-headed Bats (English)	*Mormopterus* Peters, 1865
Flat-headed Bats (English)	*Mimetillus* Thomas, 1904
Flat-headed Bulldog Bats (English)	*Mormopterus* Peters, 1865
Flat-headed Free-tailed Bat (English)	*Sauromys petrophilus* (Roberts, 1917)
Flat-headed free-tailed bat (English)	*Platymops setiger* (Peters, 1878)
Flat-headed Vesper Bats (English)	*Mimetillus* Thomas, 1904
Flattnasenfreischwänze (German)	*EMBALLONURIDAE* Gervais, 1855
Flederhunde (German)	*PTEROPODIDAE* Gray, 1821
Fledermäuse (German)	*CHIROPTERA* Blumenbach, 1779
Flower's Pipistrelle Bat (English)	*Eptesicus floweri* (de Winton, 1901)
Flugfüchse (German)	*Pteropus* Erxleben, 1777
Flughunde (German)	*PTEROPODIDAE* Gray, 1821
Flying Calf (English)	*Nanonycteris veldkampii* (Jentink, 1888)
Flying Foxes (English)	*Pteropus* Erxleben, 1777
Flying-foxes (English)	*Pteropus* Erxleben, 1777

Common Name	Taxon Name
Flyvende hunder (Norwegian)	*PTEROPODIDAE* Gray, 1821
foldeleppede flaggermus (Norwegian)	*MOLOSSIDAE* Gervais, 1856
Forest Bats (English)	*Kerivoulinae* Miller, 1907
Forest Horseshoe Bat (English)	*Rhinolophus silvestris* Aellen, 1959
Franquet's Clamorous Fruit-bat (English)	*Epomops franqueti* (Tomes, 1860)
Franquet's Epauletted Fruit Bat (English)	*Epomops franqueti* (Tomes, 1860)
Franquets Epaulettenflughund (German)	*Epomops franqueti* (Tomes, 1860)
Franquet's Fruit Bat (English)	*Epomops franqueti* (Tomes, 1860)
frede frede (Tanoboase (Ghana))	*MOLOSSIDAE* Gervais, 1856
Free-tailed Bats (English)	*MOLOSSIDAE* Gervais, 1856
Free-tailed Bats (English)	*Molossinae* Gervais, 1856
Free-tailed Bats (English)	*Tadarida* Rafinesque, 1814
Freischeinige Stelzfussfledermaus (German)	*Myotis capaccinii* (Bonaparte, 1837)
Frihalete flaggermus (Norwegian)	*EMBALLONURIDAE* Gervais, 1855
Fulo (Azande (DRC))	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Fulo (Azande (DRC))	*Chaerephon nigeriae* Thomas, 1913
Fulo (Azande (DRC))	*Neoromicia nana* (Peters, 1852)
Fürst von Abruzzen Bulldoggfledermaus (German)	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Gaislers grootoorvleermuis (Dutch)	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
Gaisler's Long-eared Bat (English)	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
Gallaghers Bulldoggfledermaus (German)	*Chaerephon gallagheri* (Harrison, 1975)
Gallagher's Free-tailed Bat (English)	*Chaerephon gallagheri* (Harrison, 1975)
Gallagher's Wrinkle-lipped Bat (English)	*Chaerephon gallagheri* (Harrison, 1975)
Gambia Epaulettenflughund (German)	*Epomophorus gambianus* (Ogilby, 1835)
Gambia Schlitznasen-Fledermaus (German)	*Nycteris gambiensis* (K. Andersen, 1912)
Gambiaanse witkolvrugtevlermuis (Afrikaans)	*Epomophorus gambianus* (Ogilby, 1835)
Gambian Epauleted Bat (English)	*Epomophorus gambianus* (Ogilby, 1835)
Gambian Epauletted Fruit bat (English)	*Epomophorus gambianus* (Ogilby, 1835)
Gambian Slit-faced Bat (English)	*Nycteris gambiensis* (K. Andersen, 1912)
Geat Brown Bat (English)	*Scotophilus nigrita* (Schreber, 1774)
Gebirgs-Höhlenflughund (German)	*Stenonycteris lanosus* (Thomas, 1906)
Geel Dakvlermuis (Afrikaans)	*Scotophilus dinganii* (A. Smith, 1833)
Geel vrugtevlermuis (Afrikaans)	*Eidolon helvum* (Kerr, 1792)
Gefleckte Bulldoggfledermaus (German)	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
Gefleckte Bulldoggfledermaus (German)	*Chaerephon bivittatus* (Heuglin, 1861)
Gefleckte Schmetterlingsfledermaus (German)	*Glauconycteris humeralis* J.A. Allen, 1917
Gelbbäuchige Hausfledermaus (German)	*Scotophilus dinganii* (A. Smith, 1833)
Gelbbauchige Schwirrfledermaus (German)	*Scotophilus leucogaster* (Cretzschmar, 1826)
Gelbe Pipistrelle (German)	*Neoromicia flavescens* (Seabra, 1900)
Gelbe Zwergfledermaus (German)	*Neoromicia flavescens* (Seabra, 1900)
Gelbflügel-Fledermaus (German)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Gelbflügel-Fledermäuse (German)	*Lavia* Gray, 1838
Gelbflügelige Großblattnase (German)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Gemeine Langflügelfledermaus (German)	*Miniopterus schreibersii* (Kuhl, 1817)
Gemeine Schlitznasen-Fledermaus (German)	*Nycteris hispida* (Schreber, 1774)
Genetzte Schmetterlingsfledermaus (German)	*Glauconycteris variegata* (Tomes, 1861)
Geoffroy se saalneusvlermuis (Afrikaans)	*Rhinolophus clivosus* Cretzschmar, 1828
Geoffroyflaggermus (Norwegian)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Geoffroy's Bat (English)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Geoffroys Dreizackblattnase (German)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Geoffroy's hoefijzerneus (Dutch)	*Rhinolophus clivosus* Cretzschmar, 1828
Geoffroy's Horseshoe Bat (English)	*Rhinolophus clivosus* Cretzschmar, 1828
Geoffroys Hufeisennase (German)	*Rhinolophus clivosus* Cretzschmar, 1828
Geoffroy's Lesser Tident Bat (English)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Geoffroy's Myotis (English)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Geoffroy's Nycteris (English)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Geoffroy's Tomb Bat (English)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Geoffroy-saalneusvlermuis (Afrikaans)	*Rhinolophus clivosus* Cretzschmar, 1828
Geoffroyse vlermuis (Afrikaans)	*Rhinolophus clivosus* Cretzschmar, 1828
Gesäumte Doggengrämler (German)	*Chaerephon pumilus* (Cretzschmar, 1826)
Gestreifte Schmetterlingsfledermaus (German)	*Glauconycteris alboguttata* J.A. Allen, 1917
Gevlekte losstertvlermuis (Afrikaans)	*Chaerephon bivittatus* (Heuglin, 1861)
Gewöhnliche Bulldoggfledermäuse (German)	*Tadarida* Rafinesque, 1814
Gewone pisang blad vleermuis (Dutch)	*Myotis mystacinus* (Kuhl, 1817)
Gewone-spleetneusvlermuis (Afrikaans)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Giant African Free-tailed Bat (English)	*Tadarida ventralis* (Heuglin, 1861)
Giant African Guano Bat (English)	*Tadarida ventralis* (Heuglin, 1861)
Giant Brown Bat (English)	*Scotophilus nigrita* (Schreber, 1774)
Giant Brown House Bat (English)	*Scotophilus nigrita* (Schreber, 1774)
Giant Free-tailed Bat (English)	*Tadarida ventralis* (Heuglin, 1861)
Giant gland-tailed bat (English)	*Chaerephon major* (Trouessart, 1897)
Giant Guano Bat (English)	*Tadarida ventralis* (Heuglin, 1861)
Giant House Bat (English)	*Scotophilus nigrita* (Schreber, 1774)
Giant Leaf-nosed Bat (English)	*Macronycteris gigas* (Wagner, 1845)

Common Name	Taxon Name
Giant Leaf-nosed Bat (English)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Giant Mastiff Bat (English)	*Otomops martiensseni* (Matschie, 1897)
Giant Noctule (English)	*Nyctalus lasiopterus* (Schreber, 1780)
Giant Noctule Bat (English)	*Nyctalus lasiopterus* (Schreber, 1780)
Giant Yellow House Bat (English)	*Scotophilus nigrita* (Schreber, 1774)
Gladneusvleermuizen (Dutch)	*VESPERTILIONIDAE* Gray, 1821
Gland-tailed Free-tailed Bat (English)	*Chaerephon bemmeleni* (Jentink, 1879)
Gland-tailed Wrinkle-lipped Bat (English)	*Chaerephon bemmeleni* (Jentink, 1879)
Glattnasen (German)	*VESPERTILIONIDAE* Gray, 1821
Glattnasen-Fledermäuse (German)	*VESPERTILIONIDAE* Gray, 1821
Glattnasen-Freischwänze (German)	*EMBALLONURIDAE* Gervais, 1855
Glattneseflaggermus (Norwegian)	*VESPERTILIONIDAE* Gray, 1821
Glattneser (Norwegian)	*VESPERTILIONIDAE* Gray, 1821
Glauconicterìde argentàta (Italian)	*Glauconycteris argentata* (Dobson, 1875)
Glauconicterìde keniòta (Italian)	*Glauconycteris kenyacola* Peterson, 1982
Glauconicterìde variegàta (Italian)	*Glauconycteris variegata* (Tomes, 1861)
Glauconitteràde argentàta (Italian)	*Glauconycteris argentata* (Dobson, 1875)
Glauconitteràde keniòta (Italian)	*Glauconycteris kenyacola* Peterson, 1982
Glauconitteràde variegàta (Italian)	*Glauconycteris variegata* (Tomes, 1861)
Glauconittèridi (Italian)	*Glauconycteris* Dobson, 1875
Glauconyctère à gorge blanche (French)	*Glauconycteris alboguttata* J.A. Allen, 1917
Glauconyctère argentée (French)	*Glauconycteris argentata* (Dobson, 1875)
Glauconyctère d'Abo (French)	*Glauconycteris poensis* (Gray, 1842)
Glauconyctère de Béatrix (French)	*Glauconycteris beatrix* Thomas, 1901
Glauconyctère de Bibundi (French)	*Glauconycteris egeria* Thomas, 1913
Glauconyctère de Curry (French)	*Glauconycteris curryae* Eger and Schlitter, 2001
Glauconyctère de Glen (French)	*Glauconycteris gleni* Peterson and Smith, 1973
Glauconyctère de Machado (French)	*Glauconycteris machadoi* Hayman, 1963
Glauconyctère du Kenya (French)	*Glauconycteris kenyacola* Peterson, 1982
Glauconyctère papillon (French)	*Glauconycteris variegata* (Tomes, 1861)
Glauconyctère pie (French)	*Glauconycteris superba* Hayman, 1939
Glauconyctère sombre (French)	*Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
Glauconyctère tachetée (French)	*Glauconycteris humeralis* J.A. Allen, 1917
Glauconyctères (French)	*Glauconycteris* Dobson, 1875
Glauconycterids (English)	*Glauconycteris* Dobson, 1875
Gleichsatteligen Kammnase (German)	*Rhinolophus euryale* Blasius, 1853
Glen's Butterfly Bat (English)	*Glauconycteris gleni* Peterson and Smith, 1973
Glens Langflügelfledermaus (German)	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
Glen's Long-fingered Bat (English)	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
Glens Schmetterlingsfledermaus (German)	*Glauconycteris gleni* Peterson and Smith, 1973
Glen's Wattled Bat (English)	*Glauconycteris gleni* Peterson and Smith, 1973
Goblin bats (English)	*Mormopterus* Peters, 1865
Golden Bat (English)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Golden Short-palate Fruit-bat (English)	*Casinycteris argynnis* Thomas, 1910
Golden Short-palated Fruit Bat (English)	*Casinycteris argynnis* Thomas, 1910
Goldener Kurzgaumen-Flughund (German)	*Casinycteris argynnis* Thomas, 1910
Golem Potkovichar (Macedonian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Grabflatterer (German)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Grabfledermäuse (German)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Grand Fer-à-Cheval (French)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Grand minioptère (French)	*Miniopterus inflatus* Thomas, 1903
Grand minioptère africain (French)	*Miniopterus inflatus* Thomas, 1903
Grand minioptère malgache (French)	*Miniopterus majori* Thomas, 1906
Grand molosse à glandes caudales (French)	*Chaerephon major* (Trouessart, 1897)
Grand molosse à grandes oreilles (French)	*Otomops martiensseni* (Matschie, 1897)
Grand Rhinolophe (French)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Grand Rhinopome (French)	*Rhinopoma microphyllum* (Brünnich, 1782)
Grand scotophile africain (French)	*Scotophilus nigrita* (Schreber, 1774)
Grande Noctule (French)	*Nyctalus lasiopterus* (Schreber, 1780)
Grande nyctère (French)	*Nycteris grandis* Peters, 1865
grande Roussette des Mascareignes (French)	*Pteropus niger* (Kerr, 1792)
Grande tadaride africaine (French)	*Tadarida ventralis* (Heuglin, 1861)
Grande Tadaride de Madagascar (French)	*Tadarida fulminans* (Thomas, 1903)
Grandidier`s Pipistrelle (English)	*Pipistrellus grandidieri* (Dobson, 1876)
Grandidiers Bulldoggfledermaus (German)	*Chaerephon leucogaster* (A. Grandidier, 1869)
Grandidiers Dreizahn-Blattnase (German)	*Paratriaenops auritus* (G. Grandidier, 1912)
Grandidier's Free-tailed Bat (English)	*Chaerephon leucogaster* (A. Grandidier, 1869)
Grandidier's trident bat (English)	*Paratriaenops auritus* (G. Grandidier, 1912)
Grandidiers Zwergfledermaus (German)	*Pipistrellus grandidieri* (Dobson, 1876)
gravflaggermus (Norwegian)	*EMBALLONURIDAE* Gervais, 1855

Common Name	Taxon Name
Grayovi kaloni (Czech)	*Epomops* Gray, 1866
Great Brown House Bat (English)	*Scotophilus nigrita* (Schreber, 1774)
Great pipistrelle (English)	*Pipistrellus kuhlii* (Kuhl, 1817)
Greater Bent-winged Bat (English)	*Miniopterus schreibersii* (Kuhl, 1817)
Greater Cyclops (English)	*Hipposideros camerunensis* Eisentraut, 1956
Greater Free-tailed Bats (English)	*Mops* Lesson, 1842
Greater Horseshoe Bat (English)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Greater Long-fingered Bat (English)	*Miniopterus inflatus* Thomas, 1903
Greater Mascarene Flying Fox (English)	*Pteropus niger* (Kerr, 1792)
Greater Mouse-tailed Bat (English)	*Rhinopoma microphyllum* (Brünnich, 1782)
Greater Noctule (English)	*Nyctalus lasiopterus* (Schreber, 1780)
Greater Noctule Bat (English)	*Nyctalus lasiopterus* (Schreber, 1780)
Greater Rat-tailed Bat (English)	*Rhinopoma microphyllum* (Brünnich, 1782)
Greater Roundleaf Bat (English)	*Hipposideros camerunensis* Eisentraut, 1956
Greater Serotine Bats (English)	*Eptesicus* Rafinesque, 1820
Greater Slit-faced Bat (English)	*Nycteris macrotis* Dobson, 1876
Greater Trident Bats (English)	*Triaenops* Dobson, 1871
Green House Bat (English)	*Scotophilus viridis* (Peters, 1852)
Greenish Yellow Bat (English)	*Scotophilus viridis* (Peters, 1852)
Griffiths Langflügelfledermaus (German)	*Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Griveaud`s Long-fingered bat (English)	*Miniopterus griveaudi* Harrison, 1959
Groot geel dakvlermuis (Afrikaans)	*Scotophilus nigrita* (Schreber, 1774)
Groot grotvlermuis (Afrikaans)	*Miniopterus inflatus* Thomas, 1903
Groot spleetneusvlermuis (Afrikaans)	*Nycteris grandis* Peters, 1865
Grootoor-losstervlermuis (Afrikaans)	*Tadarida lobata* (Thomas, 1891)
Großabendsegler (German)	*Nyctalus lasiopterus* (Schreber, 1780)
Grossblattnasen (German)	*MEGADERMATIDAE* H. Allen, 1864
Großblattnasen (German)	*MEGADERMATIDAE* H. Allen, 1864
Große Bulldoggfledermaus (German)	*Tadarida ventralis* (Heuglin, 1861)
Große Hufeisennase (German)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Große Schlitznase (German)	*Nycteris grandis* Peters, 1865
Große Schlitznasen-Fledermaus (German)	*Nycteris grandis* Peters, 1865
Große Schmetterlingsfledermaus (German)	*Glauconycteris superba* Hayman, 1939
Grosser Maskarenen-Flugfuchs (German)	*Pteropus niger* (Kerr, 1792)
Großhufeisennase (German)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Großohr-Bulldoggfledermaus (German)	*Tadarida lobata* (Thomas, 1891)
Großohrhohlnase (German)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Großohrige Riesen-Bulldoggfledermaus (German)	*Otomops martiensseni* (Matschie, 1897)
Großohrige Schlitznasen-Fledermaus (German)	*Nycteris macrotis* Dobson, 1876
Großohr-Rundblattnase (German)	*Hipposideros megalotis* (Heuglin, 1861)
Grote fruitvleermuizen (Dutch)	*PTEROPODIDAE* Gray, 1821
Grote hoefijzerneus (Dutch)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Grote klapneusvleermuis (Dutch)	*Rhinopoma microphyllum* (Brünnich, 1782)
Grote rosse vleermuis (Dutch)	*Nyctalus lasiopterus* (Schreber, 1780)
Groter spleetneusvlermuis (Afrikaans)	*Nycteris macrotis* Dobson, 1876
Grünliche Hausfledermaus (German)	*Scotophilus viridis* (Peters, 1852)
Guano Bats (English)	*Tadarida* Rafinesque, 1814
Guinea Serotine (English)	*Neoromicia guineensis* (Bocage, 1889)
Guinea-Hufeisennase (German)	*Rhinolophus guineensis* Eisentraut, 1960
Guinean Horseshoe Bat (Csorba *et al.*, 2003: 59 - 61; Simmons, 2005) (English)	*Rhinolophus guineensis* Eisentraut, 1960
Guinean Pipistrelle Bat (English)	*Neoromicia guineensis* (Bocage, 1889)
Guinea-Pipistrelle (German)	*Neoromicia guineensis* (Bocage, 1889)
Guinea-Zwergfledermaus (German)	*Neoromicia guineensis* (Bocage, 1889)
Haagner's Flat-headed Bat (English)	*Sauromys petrophilus haagneri* (Roberts, 1917)
Haagnerse Platkopvlermuis (Afrikaans)	*Sauromys petrophilus haagneri* (Roberts, 1917)
Haarbindigen Dämmerungsfledermaus (German)	*Pipistrellus kuhlii* (Kuhl, 1817)
Habelendlane (Estonian)	*Myotis mystacinus* (Kuhl, 1817)
hadozubí kaloni (Czech)	*Scotonycteris* Matschie, 1894
Hairy Bats (English)	*Myotis* Kaup, 1829
Hairy Long-eared Bat (English)	*Nycteris hispida* (Schreber, 1774)
Hairy Slit-faced Bat (English)	*Nycteris hispida* (Schreber, 1774)
Halcyon Horseshoe Bat (English)	*Rhinolophus alcyone* Temminck, 1853
Halskrausen-Flughunde (German)	*Myonycteris* Matschie, 1899
Hamiltons Grabfledermaus (German)	*Taphozous hamiltoni* Thomas, 1920
Hamilton's Naked-bellied Tomb Bat (English)	*Taphozous hamiltoni* Thomas, 1920
Hamilton's Naked-rumped Tomb Bat (English)	*Taphozous hamiltoni* Thomas, 1920
Hamilton's Tomb Bat (English)	*Taphozous hamiltoni* Thomas, 1920
Hammer-headed bat (English)	*Hypsignathus monstrosus* H. Allen, 1862
Hammer-headed bats (English)	*Hypsignathus* H. Allen, 1862
Hammer-headed Fruit Bat (English)	*Hypsignathus monstrosus* H. Allen, 1862
Hammerkopf (German)	*Hypsignathus monstrosus* H. Allen, 1862
Hammerkopf-Flughund (German)	*Hypsignathus monstrosus* H. Allen, 1862

Common Name	Taxon Name
Hammerkopf-Flughunde (German)	*Hypsignathus* H. Allen, 1862
Hanaki's Dwarf Bat (English)	*Pipistrellus hanaki* Hulva and Benda, 2004
Hanak's dwergvleermuis (Dutch)	*Pipistrellus hanaki* Hulva and Benda, 2004
Hanaks Pipistrelle (German)	*Pipistrellus hanaki* Hulva and Benda, 2004
Hanaks Zwergfledermaus (German)	*Pipistrellus hanaki* Hulva and Benda, 2004
Hardwickes Mausschwanz-Fledermaus (German)	*Rhinopoma cystops* Thomas, 1903
Hardwicke's Mouse-tailed Bat (English)	*Rhinopoma cystops* Thomas, 1903
Harige Langoorvlermuis (Afrikaans)	*Nycteris hispida* (Schreber, 1774)
Harige spleetneusvlermuis (Afrikaans)	*Nycteris hispida* (Schreber, 1774)
Harlekin-Flughunde (German)	*Scotonycteris* Matschie, 1894
Harlequin Fruit-bats (English)	*Scotonycteris* Matschie, 1894
Harrison's large-eared giant mastiff bat (English)	*Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015
Harrison's fruit bat (English)	*Myonycteris angolensis goliath* (Bergmans, 1997)
Harrisons Samtfell-Flughund (German)	*Myonycteris angolensis goliath* (Bergmans, 1997)
Hartneusvleermuis (Dutch)	*Cardioderma cor* (Peters, 1872)
Hausfledermäuse (German)	*Scotophilus* Leach, 1821
Hautalepakot (Finnish)	*EMBALLONURIDAE* Gervais, 1855
Hayman's tear-drop fruit bat (English)	*Scotonycteris occidentalis* Hayman, 1947
Hayman's Dwarf Epauletted Fruit Bat (English)	*Micropteropus intermedius* Hayman, 1963
Hayman's Epauletted Fruit Bat (English)	*Micropteropus intermedius* Hayman, 1963
Haymans Kleiner Epaulettenflughund (German)	*Micropteropus intermedius* Hayman, 1963
Hayman's Lesser Fruit Bat (English)	*Micropteropus intermedius* Hayman, 1963
Hayman's Lesser Fruit-bat (English)	*Micropteropus intermedius* Hayman, 1963
Heart-nosed Bat (English)	*Cardioderma cor* (Peters, 1872)
Heart-nosed Bats (English)	*Cardioderma* Peters, 1873
Heart-nosed Big-eared Bat (English)	*Cardioderma cor* (Peters, 1872)
Hedelmälepakot (Finnish)	*PTEROPODIDAE* Gray, 1821
Helios Pipistrelle Bat (English)	*Neoromicia helios* (Heller, 1912)
Heller's Pipistrelle (English)	*Neoromicia helios* (Heller, 1912)
Heller's Pipistrelle Bat (English)	*Neoromicia helios* (Heller, 1912)
Hemprich´s Arrow-eared bat (English)	*Otonycteris hemprichii* Peters, 1859
Hemprich's Arrow-headed Bat (English)	*Otonycteris hemprichii* Peters, 1859
Hemprich's Big-eared Bat (English)	*Otonycteris hemprichii* Peters, 1859
Hemprich's Desert Bat (English)	*Otonycteris hemprichii* Peters, 1859
Hemprich's Desert Long-eared Bat (English)	*Otonycteris hemprichii* Peters, 1859
Hemprich's Long-eared Bat (English)	*Otonycteris hemprichii* Peters, 1859
Hemprich's Long-eared Desert Bat (English)	*Otonycteris hemprichii* Peters, 1859
Hemprichs Wüstengroßohr (German)	*Otonycteris hemprichii* Peters, 1859
Herznasen-Fledermaus (German)	*Cardioderma cor* (Peters, 1872)
Herznasen-Fledermäuse (German)	*Cardioderma* Peters, 1873
herzohrige Abendfledermaus (German)	*Hypsugo savii* (Bonaparte, 1837)
Hesteskoneser (Norwegian)	*RHINOLOPHIDAE* Gray, 1825
Heuglins Wollfledermaus (German)	*Kerivoula eriophora* (Heuglin, 1877)
Hevosenkenkäyököt (Finnish)	*RHINOLOPHIDAE* Gray, 1825
High-crowned bat (English)	*Miniopterus inflatus* Thomas, 1903
Hildebrandt se saalneusvlermuis (Afrikaans)	*Rhinolophus hildebrandtii* Peters, 1878
Hildebrandt's Horseshoe Bat (English)	*Rhinolophus hildebrandtii* Peters, 1878
Hildebrandts Hufeisennase (German)	*Rhinolophus hildebrandtii* Peters, 1878
Hildebrandt-saalneusvlermuis (Afrikaans)	*Rhinolophus hildebrandtii* Peters, 1878
Hildebrandtse Vlermuis (Afrikaans)	*Rhinolophus hildebrandtii* Peters, 1878
Hildegardes Grabfledermaus (German)	*Taphozous hildegardeae* Thomas, 1909
Hildegarde's Tomb Bat (English)	*Taphozous hildegardeae* Thomas, 1909
Hill's Horseshoe bat (English)	*Rhinolophus hillorum* Koopman, 1989
Hill's Horseshoe Bat (English)	*Rhinolophus hilli* Aellen, 1973
Hills Hufeisennase (German)	*Rhinolophus hilli* Aellen, 1973
Hindes Hausfledermaus (German)	*Scotoecus hindei* Thomas, 1901
Hinde's Lesser House Bat (English)	*Scotoecus hindei* Thomas, 1901
Hipposidéridés (French)	*HIPPOSIDERIDAE* Lydekker, 1891
Hispid bats (English)	*NYCTERIDAE* Van der Hoeven, 1855
Hochland-Hufeisennase (German)	*Rhinolophus hillorum* Koopman, 1989
Hoefijzerneusvleermuizen (Dutch)	*RHINOLOPHIDAE* Gray, 1825
Hoefijzerneuzen (Dutch)	*Rhinolophus* Lacépède, 1799
Hoefijzerneuzen (Dutch)	*RHINOLOPHIDAE* Gray, 1825
Höhlenflughunde (German)	*Rousettus* Gray, 1821
Hollow-faced bats (English)	*NYCTERIDAE* Van der Hoeven, 1855
Hollow-faced bats (English)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Horacekcs hoefijzerneus (Dutch)	*Rhinolophus horaceki* Benda and Vallo, 2012
Horn-skinned Bat (English)	*Eptesicus floweri* (de Winton, 1901)
Horn-skinned Pipistrelle Bat (English)	*Eptesicus floweri* (de Winton, 1901)
Horn-skinned Serotine (English)	*Eptesicus floweri* (de Winton, 1901)
Horseshoe bats (English)	*RHINOLOPHIDAE* Gray, 1825
Horseshoe bats (English)	*Rhinolophus* Lacépède, 1799
Hosszúszárnyú denevér (Hungarian)	*Miniopterus schreibersii* (Kuhl, 1817)

Common Name	Taxon Name
Hottentot bat (English)	*Eptesicus hottentotus* (A. Smith, 1833)
Hottentot Serotine Bat (English)	*Eptesicus hottentotus* (A. Smith, 1833)
Hottentotten-Breitflügelfledermaus (German)	*Eptesicus hottentotus* (A. Smith, 1833)
House bats (English)	*Scotophilus* Leach, 1821
House Bats (English)	*Scotoecus* Thomas, 1901
hrobkovec egyptský (Czech)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
hrobkovec guinejský (Czech)	*Saccolaimus peli* (Temminck, 1853)
hrobkovec lysobřichý (Czech)	*Taphozous nudiventris* Cretzschmar, 1830
hrobkovec mauricijský (Czech)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
hrobkovec východoafrický (Czech)	*Taphozous hamiltoni* Thomas, 1920
hrobkovec východoafrický (Czech)	*Taphozous hildegardeae* Thomas, 1909
hroznohled pyskatý (Czech)	*Tadarida teniotis* (Rafinesque, 1814)
Hufeisennasen (German)	*RHINOLOPHIDAE* Gray, 1825
Hufeisennasen (German)	*Rhinolophus* Lacépède, 1799
Hufeisennasen-Fledermäuse (German)	*Rhinolophus* Lacépède, 1799
Hufeisennasen-Fledermäuse (German)	*RHINOLOPHIDAE* Gray, 1825
Hullneser (Norwegian)	*NYCTERIDAE* Van der Hoeven, 1855
Hundkopf-Schwirrfledermaus (German)	*Scotophilus nigrita* (Schreber, 1774)
Hypsignates (French)	*Hypsignathus* H. Allen, 1862
Hypsignathe monstrueux (French)	*Hypsignathus monstrosus* H. Allen, 1862
idludaka (isiXhosa)	*CHIROPTERA* Blumenbach, 1779
ilulwane (isiXhosa)	*CHIROPTERA* Blumenbach, 1779
Indur-lenji Chamchika (Bengali)	*Rhinopoma microphyllum* (Brünnich, 1782)
Ingekorven vleermuis (Dutch)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Intermediäre Schlitznasenfledermaus (German)	*Nycteris intermedia* Aellen, 1959
Intermediäre Schlitznasen-Fledermaus (German)	*Nycteris intermedia* Aellen, 1959
Intermediate Slit-faced Bat (English)	*Nycteris intermedia* Aellen, 1959
Ipposidèri (Italian)	*Hipposideros* Gray, 1831
Ipposidèridi (Italian)	*HIPPOSIDERIDAE* Lydekker, 1891
Ipposìdero càfro (Italian)	*Hipposideros caffer* (Sundevall, 1846)
Ipposìdero orecchiùto (Italian)	*Hipposideros megalotis* (Heuglin, 1861)
Ipposìdero vittàto (Italian)	*Macronycteris vittatus* (Peters, 1852)
Ipsùghi (Italian)	*Hypsugo* Kolenati, 1856
is patkósorrú denevér (Hungarian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Isabell-Breitflügelfledermaus (German)	*Eptesicus isabellinus* (Temminck, 1840)
isabellfarbenen Abendfledermaus (German)	*Eptesicus isabellinus* (Temminck, 1840)
Isabelline White-winged Serotine (English)	*Neoromicia isabella* Decher, Hutterer and Monadjem, 2016
Isabelvleermuis (Dutch)	*Eptesicus isabellinus* (Temminck, 1840)
Isalo Serotine (English)	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
Ja Slit-faced Bat (English)	*Nycteris major* (K. Andersen, 1912)
ještěří morousi (Czech)	*Sauromys* Roberts, 1917
jihoafričtí cíponosi (Czech)	*Cloeotis* Thomas, 1901
Jones' Leaf-nosed Bat (English)	*Hipposideros jonesi* Hayman, 1947
Jones' Roundleaf Bat (English)	*Hipposideros jonesi* Hayman, 1947
Jones' Rundblattnase (German)	*Hipposideros jonesi* Hayman, 1947
Jones's Roundleaf Bat (English)	*Hipposideros jonesi* Hayman, 1947
Juzhen Potkovichar (Macedonian)	*Rhinolophus euryale* Blasius, 1853
južni podkovnjak (Slovenian)	*Rhinolophus euryale* Blasius, 1853
Južni potkovnjak (Croatian)	*Rhinolophus euryale* Blasius, 1853
Kääbus-nahkhiir (Estonian)	*Pipistrellus pipistrellus* (Schreber, 1774)
Kaalbuikgrafvleermuis (Dutch)	*Taphozous nudiventris* Cretzschmar, 1830
Kaapse Blaarneusvlermuis (Afrikaans)	*Hipposideros caffer* (Sundevall, 1846)
Kaapse dakvlermuis (Afrikaans)	*Neoromicia capensis* (A. Smith, 1829)
Kaapse Langhaarvlermuis (Afrikaans)	*Myotis tricolor* (Temminck, 1832)
Kaapse Langoorvlermuis (Afrikaans)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Kaapse saalneusvlermuis (Afrikaans)	*Rhinolophus capensis* Lichtenstein, 1823
Kaapse Vlermuis (Afrikaans)	*Rhinolophus capensis* Lichtenstein, 1823
Kafeav Dzudzest Liljak (Macedonian)	*Pipistrellus pygmaeus* (Leach, 1825)
Kaffern-Sackfledermaus (German)	*Miniopterus natalensis* (A. Smith, 1833)
Kahazo-komule (Kinande (DRC))	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Kahlschienige Dämmerungsfledermaus (German)	*Pipistrellus pipistrellus* (Schreber, 1774)
Kahuzi horseshoe bat (English)	*Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013
Kahuzi-Hufeisennase (German)	*Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013
Kakoro kombe (Kinande (DRC))	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Kakorokombe (Kiande (DRC))	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Kakorokombe (Kinande (DRC))	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Kalemawalema (but not specific) (Nyungwe)	*Chaerephon pumilus* (Cretzschmar, 1826)
Kalemawalema (not specific) (Nyungwe)	*Hipposideros caffer* (Sundevall, 1846)
kaloň štítohlavý (Czech)	*Hypsignathus monstrosus* H. Allen, 1862
kaloň aldabránský (Czech)	*Pteropus aldabrensis* True, 1893
kaloň angolský (Czech)	*Epomophorus angolensis* Gray, 1870
kaloň Ansellův (Czech)	*Epomophorus anselli* Bergmans and Van Strien, 2004

Common Name	Taxon Name
kaloň Büttikoferův (Czech)	*Epomops buettikoferi* (Matschie, 1899)
kaloň dlouhojazyčný (Czech)	*Megaloglossus woermanni* Pagenstecher, 1885
kaloň Dobsonův (Czech)	*Epomophorus dobsonii* Bocage, 1889
kaloň egyptský (Czech)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
kaloň Franquetův (Czech)	*Epomops franqueti* (Tomes, 1860)
kaloň Grandidierův (Czech)	*Rousettus madagascariensis* G. Grandidier, 1929
kaloň habešský (Czech)	*Epomophorus minimus* Claessen & De Vree, 1991
kaloň hadozubý (Czech)	*Casinycteris ophiodon* (Pohle, 1943)
kaloň Haymannův (Czech)	*Micropteropus intermedius* Hayman, 1963
kaloň kladivohlavý (Czech)	*Hypsignathus monstrosus* H. Allen, 1862
kaloň Kockův (Czech)	*Rousettus obliviosus* Kock, 1978
kaloň komorský (Czech)	*Pteropus livingstonii* Gray, 1866
kaloň krátkonebý (Czech)	*Casinycteris argynnis* Thomas, 1910
kaloň límcový (Czech)	*Myonycteris torquata* (Dobson, 1878)
kaloň měkkosrstý (Czech)	*Myonycteris angolensis* (Bocage, 1898)
kaloň madagaskarský (Czech)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
kaloň malgašský (Czech)	*Eidolon dupreanum* (Schegel, 1867)
kaloň maskarénský (Czech)	*Pteropus subniger* (Kerr, 1792)
kaloň mauricijský (Czech)	*Pteropus niger* (Kerr, 1792)
kaloň menší (Czech)	*Epomophorus minor* Dobson, 1880
kaloň mosambický (Czech)	*Epomophorus crypturus* Peters, 1852
kaloň nigerijský (Czech)	*Micropteropus pusillus* (Peters, 1868)
kaloň nilský (Czech)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
kaloň obojkový (Czech)	*Pteropus subniger* (Kerr, 1792)
kaloň palmový (Czech)	*Eidolon helvum* (Kerr, 1792)
kaloň pembánský (Czech)	*Pteropus voeltzkowi* Matschie, 1909
kaloň pembský (Czech)	*Pteropus voeltzkowi* Matschie, 1909
kaloň plavý (Czech)	*Epomops franqueti* (Tomes, 1860)
kaloň plavý (Czech)	*Eidolon helvum* (Kerr, 1792)
kaloň pyložravý (Czech)	*Plerotes anchietae* (Seabra, 1900)
kaloň rodrigueský (Czech)	*Pteropus rodricensis* Dobson, 1878
kaloň Sanbornův (Czech)	*Epomophorus grandis* (Sanborn, 1950)
kaloň seychelský (Czech)	*Pteropus seychellensis* A. Milne-Edwards, 1877
kaloň sudánský (Czech)	*Epomophorus labiatus* (Temminck, 1837)
kaloň tomášský (Czech)	*Myonycteris brachycephala* (Bocage, 1889)
kaloň úzkokřídlý (Czech)	*Eidolon helvum* (Kerr, 1792)
kaloň východoafrický (Czech)	*Myonycteris relicta* Bergmans, 1980
kaloň výložkový (Czech)	*Epomophorus gambianus* (Ogilby, 1835)
kaloň větší (Czech)	*Epomophorus gambianus* (Ogilby, 1835)
kaloň Veldkampův (Czech)	*Nanonycteris veldkampii* (Jentink, 1888)
kaloň vlnatý (Czech)	*Stenonycteris lanosus* (Thomas, 1906)
kaloň Wahlbergův (Czech)	*Epomophorus wahlbergi* (Sundevall, 1846)
kaloň zanzibarský (Czech)	*Epomophorus minor* Dobson, 1880
kaloň Zenkerův (Czech)	*Scotonycteris zenkeri* Matschie, 1894
kaloň zlatý (Czech)	*Pteropus rodricensis* Dobson, 1878
kaloňotvaří (Czech)	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
kaloňovci (Czech)	*PTEROPODOIDEA* Gray, 1821
kaloňovití (Czech)	*PTEROPODIDAE* Gray, 1821
kalong (Norwegian)	*PTEROPODIDAE* Gray, 1821
Kalongs (Dutch)	*Pteropus* Erxleben, 1777
kaloni (Czech)	*PTEROPODOIDEA* Gray, 1821
Kamerun-Rundblattnase (German)	*Hipposideros camerunensis* Eisentraut, 1956
Kanaren-Langohr (German)	*Plecotus teneriffae* Barrett-Hamilton, 1907
Kap-Hufeisennase (German)	*Rhinolophus capensis* Lichtenstein, 1823
Kap-Pipistrelle (German)	*Neoromicia capensis* (A. Smith, 1829)
Kap-Zwergfledermaus (German)	*Neoromicia capensis* (A. Smith, 1829)
Karakonube (Kinande (DRC))	*Stenonycteris lanosus* (Thomas, 1906)
Kashusha (Misuku)	*Neoromicia nana* (Peters, 1852)
Kastanienrothe Kammnase (German)	*Rhinolophus landeri* Martin, 1838
Kasusu (Kiluba (DRC))	*Neoromicia nana* (Peters, 1852)
Kasusu (Kiluba (DRC))	*Neoromicia capensis* (A. Smith, 1829)
Kasusu (Kiluba (DRC))	*Nycticeinops schlieffenii* (Peters, 1859)
Kasusu (Kiluba (DRC))	*Kerivoula argentata* Tomes, 1861
Kasusu (Kiluba (DRC))	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Kasusu (Kiluba (DRC))	*Hipposideros caffer* (Sundevall, 1846)
Kasusu (Kiluba (DRC))	*Rhinolophus hildebrandtii* Peters, 1878
Kasusu (Kiluba (DRC))	*Rhinolophus* Lacépède, 1799
Kasusu (Kiluba (DRC))	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Kasusu (Kiluba (DRC))	*Rhinolophus landeri* Martin, 1838
Kasusu (Kiluba (DRC))	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Kasusu (Kiluba (DRC))	*Chaerephon pumilus* (Cretzschmar, 1826)
Kasusu (Kiluba (DRC))	*Cloeotis percivali* Thomas, 1901
Katutu (Kiluba (DRC))	*Nycteris arge* Thomas, 1903

Common Name	Taxon Name
Katutu (Kiluba (DRC))	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Katutu (Kiluba (DRC))	*Nycteris hispida* (Schreber, 1774)
Kaviokuonoyököt (Finnish)	*RHINOLOPHIDAE* Gray, 1825
Kelelawar ekor lembing (Indonesian)	*Rhinopoma microphyllum* (Brünnich, 1782)
Kelelawar Ekor-tikus (Indonesian)	*Rhinopoma microphyllum* (Brünnich, 1782)
Kelelawar mini biasa (Indonesian)	*Miniopterus schreibersii* (Kuhl, 1817)
Kelelawar mini schreiber (Indonesian)	*Miniopterus schreibersii* (Kuhl, 1817)
Kelelewar myotis pucuk (Indonesian)	*Myotis mystacinus* (Kuhl, 1817)
Keltapoimulepakko (Finnish)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Kenya Barbastelle (English)	*Glauconycteris kenyacola* Peterson, 1982
Kenya Pipistrelle (English)	*Pipistrellus aero* Heller, 1912
Kenyan Big-eared Free-tailed Bat (English)	*Tadarida lobata* (Thomas, 1891)
Kenyan Butterfly Bat (English)	*Glauconycteris kenyacola* Peterson, 1982
Kenyan Wattled Bat (English)	*Glauconycteris kenyacola* Peterson, 1982
Kenya-Schmetterlingsfledermaus (German)	*Glauconycteris kenyacola* Peterson, 1982
Kerbohrige Ohrenfledermaus (German)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
kereknyergû patkósorrú denevér (Hungarian)	*Rhinolophus euryale* Blasius, 1853
Kérivoule de Tanzanie (French)	*Kerivoula africana* Dobson, 1878
kerivula africká (Czech)	*Kerivoula africana* Dobson, 1878
kerivuly (Czech)	*Kerivoulinae* Miller, 1907
Khafash abiad (Arabian)	*Otonycteris hemprichii* Peters, 1859
Khafash Abu Bouz (Arabian)	*Taphozous nudiventris* Cretzschmar, 1830
Khafash abu bouz saghir (Arabian)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Khafash abu danab kabir (Arabian)	*Rhinopoma microphyllum* (Brünnich, 1782)
Khafash abu danab saghir (Arabian)	*Rhinopoma cystops* Thomas, 1903
Khafash abu hadwa kabir (Arabian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Khafash abu hadwa saghir (Arabian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Khafash abu hadweh arabi (Arabian)	*Rhinolophus clivosus* Cretzschmar, 1828
Khafash El Fawakeh (Arabian)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Khafash Masri (Arabian)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Khafash Teiba (Arabian)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Khouchaf al matoussat (Arabian)	*Neoromicia nana* (Peters, 1852)
Kibil (Somalian)	*CHIROPTERA* Blumenbach, 1779
Kibille (Somalian)	*CHIROPTERA* Blumenbach, 1779
Kibillei (Somalian)	*CHIROPTERA* Blumenbach, 1779
kis patkósdenevér (Hungarian)	*Rhinolophus hipposideros* (Bechstein, 1800)
kitrotroke (Malagasy)	*Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009
kladivohlaví kaloni (Czech)	*Hypsignathus* H. Allen, 1862
klaffneser (Norwegian)	*RHINOPOMATIDAE* Dobson, 1872
klaponos egyptský (Czech)	*Rhinopoma microphyllum* (Brünnich, 1782)
klaponosové (Czech)	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Klein dakvlermuis (Afrikaans)	*Nycticeinops schlieffenii* (Peters, 1859)
Klein geel dakvlermuis (Afrikaans)	*Scotophilus viridis* (Peters, 1852)
Klein grotvlermuis (Afrikaans)	*Miniopterus fraterculus* Thomas and Schwann, 1906
Klein losstertvlermuis (Afrikaans)	*Chaerephon pumilus* (Cretzschmar, 1826)
Klein Vrugtevlermuis (Afrikaans)	*Epomophorus crypturus* Peters, 1852
Klein wolhaarvlermuis (Afrikaans)	*Kerivoula lanosa* (A. Smith, 1847)
Kleine Abendsegler (German)	*Nyctalus leisleri* (Kuhl, 1817)
Kleine Bartfledermaus (German)	*Myotis mystacinus* (Kuhl, 1817)
Kleine Bulldoggfledermaus (German)	*Chaerephon pumilus* (Cretzschmar, 1826)
Kleine dwergvleermuis (Dutch)	*Pipistrellus pygmaeus* (Leach, 1825)
Kleine Epaulettenflughunde (German)	*Micropteropus* Matschie, 1899
Kleine Hausfledermäuse (German)	*Scotoecus* Thomas, 1901
Kleine hoefijzerneus (Dutch)	*Rhinolophus hipposideros* (Bechstein, 1800)
Kleine Hufeisennase (German)	*Rhinolophus hipposideros* (Bechstein, 1800)
Kleine klapneusvleermuis (Dutch)	*Rhinopoma cystops* Thomas, 1903
Kleine Langflügelfledermaus (German)	*Miniopterus fraterculus* Thomas and Schwann, 1906
Kleine Mausschwanzfledermaus (German)	*Rhinopoma cystops* Thomas, 1903
Kleine Pipistrelle (German)	*Pipistrellus nanulus* Thomas, 1904
Kleine Schmetterlingsfledermaus (German)	*Glauconycteris beatrix* Thomas, 1901
Kleine Wollfledermaus (German)	*Kerivoula lanosa* (A. Smith, 1847)
Kleine Zwergfledermaus (German)	*Pipistrellus nanulus* Thomas, 1904
Kleiner Abendsegler (German)	*Nyctalus leisleri* (Kuhl, 1817)
Kleiner Halskrausen-Flughund (German)	*Myonycteris torquata* (Dobson, 1878)
Kleiner Maskarenen-Flugfuchs (German)	*Pteropus subniger* (Kerr, 1792)
Kleinhufeisennase (German)	*Rhinolophus hipposideros* (Bechstein, 1800)
Kleinohr-Dreizackblattnase (German)	*Cloeotis* Thomas, 1901
Kleinste Schlitznasen-Fledermaus (German)	*Nycteris nana* (K. Andersen, 1912)
Knight's Egyptian bat (English)	*Aegyptonycteris knightae* Simmons, Seiffert and Gunnell, 2016
Knight's Egyptische vleermuis (Dutch)	*Aegyptonycteris knightae* Simmons, Seiffert and Gunnell, 2016
Knob-tailed Mops Bat (English)	*Mops (Mops) condylurus* (A. Smith, 1833)

Common Name	Taxon Name
Knob-tailed Nyctinome (English)	*Mops (Mops) condylurus* (A. Smith, 1833)
kožnatcovití (Czech)	*MEGADERMATIDAE* H. Allen, 1864
Kocks Mausohr (German)	*Myotis dieteri* M. Happold, 2005
Komoren-Höhlenflughund (German)	*Rousettus obliviosus* Kock, 1978
Komoren-Langflügelfledermaus (German)	*Miniopterus griveaudi* Harrison, 1959
Kongo-Bulldoggfledermaus (German)	*Mops (Mops) congicus* J.A. Allen, 1917
Kordofan Sheathtail-bat (English)	*Taphozous hamiltoni* Thomas, 1920
Közönséges törpedenevér (Hungarian)	*Pipistrellus pipistrellus* (Schreber, 1774)
krátkonebí kaloni (Czech)	*Casinycteris* Thomas, 1910
Kruger serotine bat (Taylor, 2005: 305 - first use) (English)	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
krysoví morousi (Czech)	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Kubukubo ("Congolese")	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Kuhl saguzar (Basque)	*Pipistrellus kuhlii* (Kuhl, 1817)
Kuhl se vlermuis (Afrikaans)	*Pipistrellus kuhlii* (Kuhl, 1817)
Kuhl's Bat (English)	*Pipistrellus kuhlii* (Kuhl, 1817)
Kuhl's dwergvleermuis (Dutch)	*Pipistrellus kuhlii* (Kuhl, 1817)
Kuhls fladdermus (Swedish)	*Pipistrellus kuhlii* (Kuhl, 1817)
Kuhl's Pipistrelle (English)	*Pipistrellus kuhlii* (Kuhl, 1817)
Kuhl's Pipistrelle Bat (English)	*Pipistrellus kuhlii* (Kuhl, 1817)
Kuhl-vlermuis (Afrikaans)	*Pipistrellus kuhlii* (Kuhl, 1817)
Kupferfarbene Wollfledermaus (German)	*Kerivoula cuprosa* Thomas, 1912
Kupferfarbenes Mausohr (German)	*Myotis bocagii* (Peters, 1870)
Kurzflügel-Bulldoggfledermaus (German)	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Kurzflügeligen Doggengrämler (German)	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Kurzgaumen-Flughunde (German)	*Casinycteris* Thomas, 1910
Kurzschwanz-Rundblattnase (German)	*Hipposideros curtus* G.M. Allen, 1921
la petite roussette des Comores (French)	*Rousettus obliviosus* Kock, 1978
La Phyllorhine cryptique de Madagascar (French)	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
la roussette de Livingstone (French)	*Pteropus livingstonii* Gray, 1866
Lagos Serotine (English)	*Eptesicus platyops* (Thomas, 1901)
Lagos Serotine Bat (English)	*Eptesicus platyops* (Thomas, 1901)
Lagos-Breitflügelfledermaus (German)	*Eptesicus platyops* (Thomas, 1901)
Lakuriq nate bisht-lire (Albanian)	*Tadarida teniotis* (Rafinesque, 1814)
Lakuriq nate gisht-gjate (Albanian)	*Myotis capaccinii* (Bonaparte, 1837)
Lakuriq nate hundpatkua I Blasius-it (Albanian)	*Rhinolophus blasii* Peters, 1867
Lakuriq nate hundpatkua i madh (Albanian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Lakuriq nate hundpatkua i Mesdheut (Albanian)	*Rhinolophus euryale* Blasius, 1853
Lakuriq nate hundpatkua i vogel (Albanian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Lakuriq nate i Geoffroy-it (Albanian)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Lakuriq nate I Schreiber-it (Albanian)	*Miniopterus schreibersii* (Kuhl, 1817)
Lakuriq nate me mustage (Albanian)	*Myotis mystacinus* (Kuhl, 1817)
Lamotte's Leaf-nosed Bat (English)	*Hipposideros lamottei* Brosset, 1985
Lamotte's Roundleaf Bat (English)	*Hipposideros lamottei* Brosset, 1985
Lamottes Rundblattnase (German)	*Hipposideros lamottei* Brosset, 1985
Lander se saalneusvlermuis (Afrikaans)	*Rhinolophus landeri* Martin, 1838
Lander's Horseshoe Bat (English)	*Rhinolophus landeri* Martin, 1838
Landers Hufeisennase (German)	*Rhinolophus landeri* Martin, 1838
Lander-saalneusvlermuis (Afrikaans)	*Rhinolophus landeri* Martin, 1838
Langflügelfledermaus (German)	*Miniopterus schreibersii* (Kuhl, 1817)
Langflügelfledermäuse (German)	*Miniopterus* Bonaparte, 1837
Langflügelfledermäuse (German)	*MINIOPTERIDAE* Dobson, 1875
Langfußfledermaus (German)	*Myotis capaccinii* (Bonaparte, 1837)
Langfussfledermaus (German)	*Myotis capaccinii* (Bonaparte, 1837)
Langhalete flaggermus (Norwegian)	*RHINOPOMATIDAE* Dobson, 1872
Langohren (German)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Langohrfledermäuse (German)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Langoor-vlermuise (Afrikaans)	*NYCTERIDAE* Van der Hoeven, 1855
Langstaartvleermuizen (Dutch)	*RHINOPOMATIDAE* Dobson, 1872
Langstert-dakvlermuis (Afrikaans)	*Eptesicus hottentotus* (A. Smith, 1833)
Langvleugelvleermuizen (Dutch)	*MINIOPTERIDAE* Dobson, 1875
Lappet-eared Free-tailed Bat (English)	*Chaerephon major* (Trouessart, 1897)
Lappet-eared Wrinkle-lipped Bat (English)	*Chaerephon major* (Trouessart, 1897)
Large Bentwing Bat (English)	*Miniopterus schreibersii* (Kuhl, 1817)
Large Free-tailed Bat (English)	*Tadarida fulminans* (Thomas, 1903)
Large Guano Bat (English)	*Tadarida fulminans* (Thomas, 1903)
Large Slit-faced Bat (English)	*Nycteris grandis* Peters, 1865
Large Wrinkle-lipped Bat (English)	*Chaerephon major* (Trouessart, 1897)
Large-eared Free-tailed Bat (English)	*Otomops martiensseni* (Matschie, 1897)
Large-eared Giant Mastiff Bat (English)	*Otomops martiensseni* (Matschie, 1897)
Large-eared Leaf-nosed Bat (English)	*Hipposideros megalotis* (Heuglin, 1861)
Large-eared Slit-faced Bat (English)	*Nycteris macrotis* Dobson, 1876
Large-footed Bats (English)	*Myotis* Kaup, 1829

Common Name	Taxon Name
Larger Horseshoe Bat (English)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Larger Mouse-tailed Bat (English)	*Rhinopoma microphyllum* (Brünnich, 1782)
Larger Rat-tailed Bat (English)	*Rhinopoma microphyllum* (Brünnich, 1782)
Large-winged Bats (English)	*MEGADERMATIDAE* H. Allen, 1864
Lavie à ailes jaunes (French)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Le Megaderme feuille (French)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
le vespertilion pygmée (French)	*Pipistrellus pygmaeus* (Leach, 1825)
Leafnosed Bats (English)	*Hipposideros* Gray, 1831
Leaf-nosed bats (English)	*HIPPOSIDERIDAE* Lydekker, 1891
Leaf-nosed Bats (English)	*Hipposideros* Gray, 1831
Leaf-winged bat (English)	*Glauconycteris variegata* (Tomes, 1861)
Least Epauletted Fruit-bat (English)	*Epomophorus minimus* Claessen & De Vree, 1991
Least horseshoe bat (English)	*Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018
Least Long-fingered Bat (English)	*Miniopterus minor* Peters, 1867
Least Pipistrelle Bat (English)	*Hypsugo musciculus* (Thomas, 1913)
Lefòte di Wìnton (Italian)	*Laephotis wintoni* Thomas, 1901
Lefòti (Italian)	*Laephotis* Thomas, 1901
Leisler gau-saguzar (Basque)	*Nyctalus leisleri* (Kuhl, 1817)
Leisler's Bat (English)	*Nyctalus leisleri* (Kuhl, 1817)
Leislers fladdermus (Swedish)	*Nyctalus leisleri* (Kuhl, 1817)
Leisler's flagermus (Danish)	*Nyctalus leisleri* (Kuhl, 1817)
Leisler's Noctule (English)	*Nyctalus leisleri* (Kuhl, 1817)
Leseuers Mausohr (German)	*Cistugo lesueuri* Roberts, 1919
lesní netopýři (lesní létači) (Czech)	*Nyctalus* Bowdich, 1825
Lesser (Sundevall's) Leaf-nosed Bat (English)	*Hipposideros tephrus* (Cabrera, 1906)
Lesser Angolan Epauletted Fruit Bat (English)	*Epomophorus grandis* (Sanborn, 1950)
Lesser bent-winged bat (English)	*Miniopterus fraterculus* Thomas and Schwann, 1906
Lesser Epauletted Bat (English)	*Myonycteris* Matschie, 1899
Lesser Free-tailed Bat (English)	*Chaerephon pumilus* (Cretzschmar, 1826)
Lesser Free-tailed Bats (English)	*Chaerephon* Dobson, 1874
Lesser Fruit-bats (English)	*Micropteropus* Matschie, 1899
Lesser Horseshoe Bat (English)	*Rhinolophus hipposideros* (Bechstein, 1800)
Lesser House Bats (English)	*Scotoecus* Thomas, 1901
Lesser leaf-nosed bat (English)	*Hipposideros tephrus* (Cabrera, 1906)
Lesser Leaf-nosed bat (English)	*Hipposideros caffer* (Sundevall, 1846)
Lesser Long-fingered Bat (English)	*Miniopterus fraterculus* Thomas and Schwann, 1906
Lesser Mascarene Flying Fox (English)	*Pteropus subniger* (Kerr, 1792)
Lesser Mascarene Flying-fox (English)	*Pteropus subniger* (Kerr, 1792)
Lesser Mastiff Bats (English)	*Chaerephon* Dobson, 1874
Lesser Mouse-tailed Bat (English)	*Rhinopoma cystops* Thomas, 1903
Lesser Noctule (English)	*Nyctalus leisleri* (Kuhl, 1817)
Lesser Noctule Bat (English)	*Nyctalus leisleri* (Kuhl, 1817)
Lesser Nut-coloured House Bat (English)	*Scotophilus nucella* Robbins, 1983
Lesser Rat-tailed Bat (English)	*Rhinopoma cystops* Thomas, 1903
Lesser Sudan Horn-skinned Bat (English)	*Eptesicus floweri* (de Winton, 1901)
Lesser Trident Bats (English)	*Asellia* Gray, 1838
Lesser Woolly Bat (English)	*Kerivoula lanosa* (A. Smith, 1847)
Lesser Yellow Bat (English)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Lesser Yellow House Bat (English)	*Scotophilus viridis* (Peters, 1852)
Lesser Yellow House Bat (English)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Lesser Yellow House Bat (English)	*Scotophilus leucogaster* (Cretzschmar, 1826)
Lesueur se langhaarvlermuis (Afrikaans)	*Cistugo lesueuri* Roberts, 1919
Lesueur-langhaarvlermuis (Afrikaans)	*Cistugo lesueuri* Roberts, 1919
Lesueur's Hairy Bat (English)	*Cistugo lesueuri* Roberts, 1919
Lesueur's Myotis (English)	*Cistugo lesueuri* Roberts, 1919
Lesueur's Wing-gland Bat (English)	*Cistugo lesueuri* Roberts, 1919
Lesueurse Vlerkkliervlermuis (Afrikaans)	*Cistugo lesueuri* Roberts, 1919
létací lišky (Czech)	*PTEROPODIDAE* Gray, 1821
létací psi (Czech)	*PTEROPODIDAE* Gray, 1821
letaunowé (Czech)	*CHIROPTERA* Blumenbach, 1779
létavci (Czech)	*Miniopterus* Bonaparte, 1837
létavcovití (Czech)	*MINIOPTERIDAE* Dobson, 1875
létavec Aellenův (Czech)	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
létavec evropský (Czech)	*Miniopterus schreibersii* (Kuhl, 1817)
létavec Glenův (Czech)	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
létavec jihoafrický (Czech)	*Miniopterus fraterculus* Thomas and Schwann, 1906
létavec komorský (Czech)	*Miniopterus griveaudi* Harrison, 1959
létavec maghrebský (Czech)	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
létavec manavijský (Czech)	*Miniopterus manavi* Thomas, 1906
létavec natalský (Czech)	*Miniopterus natalensis* (A. Smith, 1833)

Common Name	Taxon Name
létavec nejmenší (Czech)	*Miniopterus minor* Peters, 1867
létavec Petersonův (Czech)	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
létavec sesterský (Czech)	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
létavec stěhovavý (Czech)	*Miniopterus schreibersii* (Kuhl, 1817)
létavec tomášský (Czech)	*Miniopterus newtoni* Bocage, 1889
létavec východoafrický (Czech)	*Miniopterus africanus* Sanborn, 1936
létavec východomadagaskarský (Czech)	*Miniopterus majori* Thomas, 1906
létavec větší (Czech)	*Miniopterus inflatus* Thomas, 1903
letouň lesní (Czech)	*Nyctalus leisleri* (Kuhl, 1817)
letouň zakrpený (Czech)	*Pipistrellus pipistrellus* (Schreber, 1774)
letouni či netopýři (Czech)	*CHIROPTERA* Blumenbach, 1779
letouni lysoblaní (Czech)	*CHIROPTERA* Blumenbach, 1779
Lichinji (applied to all large bats) (Yao)	*Epomophorus minor* Dobson, 1880
Lichinji (applied to all largish bats) (Yao)	*Rhinolophus hildebrandtii* Peters, 1878
Lightning Guano Bat (English)	*Tadarida fulminans* (Thomas, 1903)
Light-winged Lesser House Bat (English)	*Scotoecus albofuscus* (Thomas, 1890)
Liliac-cârn (Rumanian)	*Barbastella barbastellus* (Schreber, 1774)
Liliac-cu-aripi-lungi (Romanian)	*Miniopterus schreibersii* (Kuhl, 1817)
Liliac-cu-gene-lungi (Romanian)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Liliac-cu-mustăþi (Romanian)	*Myotis mystacinus* (Kuhl, 1817)
Liliac-cu-picioare-lungi (Romanian)	*Myotis capaccinii* (Bonaparte, 1837)
Liliac-mare-cupotcoavã (Romanian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Liliac-mic-cupotcoavã (Romanian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Liliac-mic-de-amurg (Romanian)	*Nyctalus leisleri* (Kuhl, 1817)
Liliac-pitic (Romanian)	*Pipistrellus pipistrellus* (Schreber, 1774)
Liliac-românesc (Romanian)	*Rhinolophus mehelyi* Matschie, 1901
Liliac-sudic (Romanian)	*Rhinolophus euryale* Blasius, 1853
Liliacul cu dungã albã (Romanian)	*Pipistrellus kuhlii* (Kuhl, 1817)
Liliacul mare de amurg (Romanian)	*Nyctalus lasiopterus* (Schreber, 1780)
Liliacul-lui-Blasius (Romanian)	*Rhinolophus blasii* Peters, 1867
Lilieci cu pliuri nazale (Romanian)	*RHINOLOPHIDAE* Gray, 1825
Lilieci cu tragus (Romanian)	*VESPERTILIONIDAE* Gray, 1821
Lilulwane (SiSwati)	*Miniopterus natalensis* (A. Smith, 1833)
Lilulwane (SiSwati)	*Cloeotis percivali* Thomas, 1901
Lilulwane (SiSwati)	*Miniopterus fraterculus* Thomas and Schwann, 1906
límcoví kaloni (Czech)	*Myonycteris* Matschie, 1899
Liputiputi (applied to all small bats) (Yao)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Lissonictèride angolàna (Italian)	*Myonycteris angolensis* (Bocage, 1898)
Lissonittèride angolàna (Italian)	*Myonycteris angolensis* (Bocage, 1898)
Lissonyctère d'Angola (French)	*Myonycteris angolensis* (Bocage, 1898)
Lissonyctère de Simth (French)	*Myonycteris angolensis smithii* (Thomas, 1908)
Lissonyctère d'Ethiopie (French)	*Myonycteris angolensis petraea* (Bergmans, 1997)
Lissonyctère du Ruwenzori (French)	*Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)
Lissonyctère goliath (French)	*Myonycteris angolensis goliath* (Bergmans, 1997)
Lissonyctères (French)	*Myonycteris* Matschie, 1899
listonos africký (Czech)	*Hipposideros caffer* (Sundevall, 1846)
listonos trojzubcový (Czech)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
listonosovití (Czech)	*HIPPOSIDERIDAE* Lydekker, 1891
Liten hesteskonese (Norwegian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Little Brown Bats (English)	*Myotis* Kaup, 1829
Little Bulldog Bats (English)	*Mormopterus* Peters, 1865
Little Collared Fruit Bat (English)	*Myonycteris torquata* (Dobson, 1878)
Little Collared Fruit-bat (English)	*Myonycteris torquata* (Dobson, 1878)
Little Collared Fruit-bats (English)	*Myonycteris* Matschie, 1899
Little Epauletted Fruit-bat (English)	*Epomophorus labiatus* (Temminck, 1837)
Little Flying Cow (English)	*Nanonycteris veldkampii* (Jentink, 1888)
Little Flying Cow (English)	*Nanonycteris* Matschie, 1899
Little Free-tailed Bat (English)	*Chaerephon pumilus* (Cretzschmar, 1826)
Little Goblin Bats (English)	*Mormopterus* Peters, 1865
Little Mastiff Bats (English)	*Mormopterus* Peters, 1865
Little Nut-coloured House Bat (English)	*Scotophilus nucella* Robbins, 1983
Little Wrinkle-lipped Bat (English)	*Chaerephon pumilus* (Cretzschmar, 1826)
Livingstone’s House Bat (English)	*Scotophilus livingstonii* Brooks and Bickham, 2014
Livingstones Flugfuchs (German)	*Pteropus livingstonii* Gray, 1866
Livingstone's Flying Fox (English)	*Pteropus livingstonii* Gray, 1866
Lobe-lipped Bats (English)	*Glauconycteris* Dobson, 1875
Lomba-leji Chamchika (Bengali)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Long-crested Free-tailed Bat (English)	*Chaerephon chapini* J.A. Allen, 1917
Long-crested Gland-tailed Bat (English)	*Chaerephon chapini* J.A. Allen, 1917
Long-crested Wrinkle-lipped Bat (English)	*Chaerephon chapini* J.A. Allen, 1917
Long-eared Bats (English)	*Laephotis* Thomas, 1901
Long-eared bats (English)	*NYCTERIDAE* Van der Hoeven, 1855

Common Name	Taxon Name
Long-eared bats (English)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Long-eared Desert Bat (English)	*Otonycteris hemprichii* Peters, 1859
Long-eared Desert Bats (English)	*Otonycteris* Peters, 1859
Long-fingered Bat (English)	*Myotis capaccinii* (Bonaparte, 1837)
Long-fingered Bats (English)	*Miniopterus* Bonaparte, 1837
Long-fingered Bats (English)	*MINIOPTERIDAE* Dobson, 1875
Long-fingered Myotis (English)	*Myotis capaccinii* (Bonaparte, 1837)
Long-fringed bat (English)	*Myotis capaccinii* (Bonaparte, 1837)
Long-haired Rousette (English)	*Myonycteris angolensis* (Bocage, 1898)
Long-haired Rousette (English)	*Stenonycteris lanosus* (Thomas, 1906)
Long-tailed Bat (English)	*Rhinopoma microphyllum* (Brünnich, 1782)
Long-tailed Greater Serotine Bat (English)	*Eptesicus hottentotus* (A. Smith, 1833)
Long-tailed House Bat (English)	*Eptesicus hottentotus* (A. Smith, 1833)
Long-tailed Serotine Bat (English)	*Eptesicus hottentotus* (A. Smith, 1833)
Long-wing Bat (English)	*Miniopterus schreibersii* (Kuhl, 1817)
Luftige Pipistrelle (German)	*Pipistrellus aero* Heller, 1912
Luftige Zwergfledermaus (German)	*Pipistrellus aero* Heller, 1912
Lybische Hufeisennase (German)	*Rhinolophus horaceki* Benda and Vallo, 2012
lyronos žlutokřídlý (Czech)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
lyronos srdcový (Czech)	*Cardioderma cor* (Peters, 1872)
lyronosovití (Czech)	*MEGADERMATIDAE* H. Allen, 1864
měkkosrstí kaloni (Czech)	*Myonycteris* Matschie, 1899
Machado's Butterfly Bat (English)	*Glauconycteris machadoi* Hayman, 1963
Machados Schmetterlingsfledermaus (German)	*Glauconycteris machadoi* Hayman, 1963
MacInnes' Mausschwanz-Fledermaus (German)	*Rhinopoma macinnesi* Hayman, 1937
MacInnes's Mouse-tailed Bat (English)	*Rhinopoma macinnesi* Hayman, 1937
MacLaud's Horseshoe Bat (English)	*Rhinolophus maclaudi* Pousargues, 1898
Maclauds Hufeisennase (German)	*Rhinolophus maclaudi* Pousargues, 1898
Macroglosse de Woermann (French)	*Megaloglossus woermanni* Pagenstecher, 1885
Madagascan Flying Fox (English)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Madagascan Flying-fox (English)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Madagascan Free-tailed Bat (English)	*Tadarida fulminans* (Thomas, 1903)
Madagascan Fruit Bat (English)	*Eidolon dupreanum* (Schegel, 1867)
Madagascan Large Free-tailed Bat (English)	*Tadarida fulminans* (Thomas, 1903)
Madagascan Large Guano Bat (English)	*Tadarida fulminans* (Thomas, 1903)
Madagascan Rousette (English)	*Rousettus madagascariensis* G. Grandidier, 1929
Madagascan Straw-coloured Fruit-bat (English)	*Eidolon dupreanum* (Schegel, 1867)
Madagascan white-bellied Free-tailed Bat (English)	*Chaerephon leucogaster* (A. Grandidier, 1869)
Madagascar cryptic leaf-nosed bat (English)	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
Madagascar Flying Fox (English)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Madagascar Free-tailed Bat (English)	*Otomops madagascariensis* Dorst, 1953
Madagascar Fruit Bat (English)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Madagascar Large Free-tailed Bat (English)	*Tadarida fulminans* (Thomas, 1903)
Madagascar Leaf-nosed Bat (English)	*Paratriaenops furculus* (Trouessart, 1907)
Madagascar Mastiff Bat (English)	*Otomops madagascariensis* Dorst, 1953
Madagascar Rousette (English)	*Rousettus madagascariensis* G. Grandidier, 1929
Madagascar serotine (English)	*Neoromicia matroka* (Thomas and Schwann, 1905)
Madagascar Sheath-tailed Bat (English)	*Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
Madagascar sheath-tailed bat (English)	*Paremballonura atrata* (Peters, 1874)
Madagascar Slit-faced Bat (English)	*Nycteris madagascariensis* G. Grandidier, 1937
Madagascar Sucker-footed Bat (English)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Madagascar White-bellied Free-tailed Bat (English)	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
Madagascar Yellow House Bat (English)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Madagaskar Mastino-Fledermaus (German)	*Mormopterus jugularis* (Peters, 1865)
Madagaskar Pipistrelle (German)	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
Madagaskar-Flugfuchs (German)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Madagaskar-Freischwanzfledermaus (German)	*Paremballonura atrata* (Peters, 1874)
Madagaskar-Haftscheibenfledermäuse (German)	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
Madagaskar-Haftscheibenfledermäuse (German)	*MYZOPODIDAE* Thomas, 1904
Madagaskar-Hausfledermaus (German)	*Scotophilus robustus* A. Milne-Edwards, 1881
Madagaskar-Höhlenflughund (German)	*Rousettus madagascariensis* G. Grandidier, 1929
Madagaskar-Langflügelfledermaus (German)	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Madagaskar-Mausohr (German)	*Myotis goudoti* (A. Smith, 1834)
Madagaskar-Palmenflughund (German)	*Eidolon dupreanum* (Schegel, 1867)
Madagaskar-Rundblattnase (German)	*Macronycteris gigas* (Wagner, 1845)
Madagaskar-Rundblattnase (German)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Madagaskarse grootlosstertvlermuis (Afrikaans)	*Tadarida fulminans* (Thomas, 1903)

Common Name	Taxon Name
Madagaskar-Zwergfledermaus (German)	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
Madagassische Bulldoggfledermaus (German)	*Tadarida fulminans* (Thomas, 1903)
Madagassische Haftscheibenfledermaus (German)	*MYZOPODIDAE* Thomas, 1904
Madagassische hechtschijfvleermuizen (Dutch)	*MYZOPODIDAE* Thomas, 1904
Madagassische Riesen-Bulldoggfledermaus (German)	*Otomops madagascariensis* Dorst, 1953
Madagassische Schlitznasen-Fledermaus (German)	*Nycteris madagascariensis* G. Grandidier, 1937
Madeira pipistrelle (English)	*Pipistrellus maderensis* (Dobson, 1878)
Madeiradwergvleermuis (Dutch)	*Pipistrellus maderensis* (Dobson, 1878)
Madeira-Pipistrelle (German)	*Pipistrellus maderensis* (Dobson, 1878)
Madeira-Zwergfledermaus (German)	*Pipistrellus maderensis* (Dobson, 1878)
Maendeleo Horseshoe Bat (English)	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
Maghrebian bent-wing bat (English)	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Maghrebian Mouse-eared Bat (English)	*Myotis punicus* Felten, 1977
Maghrebian Myotis (English)	*Myotis punicus* Felten, 1977
Maghrebijns langvleugelvleermuis (Dutch)	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Maghreb-Langflügelfledermaus (German)	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Maghreb-Mausohr (German)	*Myotis punicus* Felten, 1977
Mahafaly-Langflügelfledermaus (German)	*Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009
Major Long-fingered Bat (English)	*Miniopterus majori* Thomas, 1906
Majors Langflügelfledermaus (German)	*Miniopterus majori* Thomas, 1906
Major's Long-fingered Bat (English)	*Miniopterus majori* Thomas, 1906
Mal Potkovichar (Macedonian)	*Rhinolophus hipposideros* (Bechstein, 1800)
malý vrápenec podkovní (Czech)	*Rhinolophus hipposideros* (Bechstein, 1800)
Malagasy Free-tailed Bat (English)	*Tadarida fulminans* (Thomas, 1903)
Malagasy Mouse-eared Bat (English)	*Myotis goudoti* (A. Smith, 1834)
Malagasy Serotine (English)	*Neoromicia matroka* (Thomas and Schwann, 1905)
Malagasy Straw-colored Fruit Bat (English)	*Eidolon dupreanum* (Schegel, 1867)
Malagasy White-bellied Free-tailed Bat (English)	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
malí cíponosi (Czech)	*Paratriaenops* Benda and Vallo, 2009
malí morousi (Czech)	*Chaerephon* Dobson, 1874
mali netopir (Slovenian)	*Pipistrellus pipistrellus* (Schreber, 1774)
Mali potkovnjak (Croatian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Mali vecernjak (Croatian)	*Nyctalus leisleri* (Kuhl, 1817)
Manavi Long-fingered Bat (English)	*Miniopterus manavi* Thomas, 1906
Manavil Long-fingered Bat (English)	*Miniopterus manavi* Thomas, 1906
Manavi-Langflügelfledermaus (German)	*Miniopterus manavi* Thomas, 1906
Marisa's Leaf-nosed Bat (English)	*Hipposideros marisae* Aellen, 1954
Marisas Rundblattnase (German)	*Hipposideros marisae* Aellen, 1954
Marokkanische Rundblattnase (German)	*Hipposideros tephrus* (Cabrera, 1906)
Marovaza House Bat (English)	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
Marovaza-Hausfledermaus (German)	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
Martiensen's Free-tailed Bat (English)	*Otomops martiensseni* (Matschie, 1897)
Martienssen bat (English)	*Otomops martiensseni* (Matschie, 1897)
Martienssen's Big-eared Bulldog Bat (English)	*Otomops martiensseni* (Matschie, 1897)
Marungu-Rundblattnase (German)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Marungu-Rundblattnase (German)	*Macronycteris gigas* (Wagner, 1845)
Mascarene Flying-fox (English)	*Pteropus niger* (Kerr, 1792)
Mastiff Bats (English)	*MOLOSSIDAE* Gervais, 1856
Mastiff Bats (English)	*Molossinae* Gervais, 1856
Mastiff Bats (English)	*Otomops* Thomas, 1913
Mastino-Fledermäuse (German)	*Mormopterus* Peters, 1865
Matroka Bat (English)	*Neoromicia matroka* (Thomas and Schwann, 1905)
Matroka-Pipistrelle (German)	*Neoromicia matroka* (Thomas and Schwann, 1905)
Matroka-Zwergfledermaus (German)	*Neoromicia matroka* (Thomas and Schwann, 1905)
Mauritian Flying Fox (English)	*Pteropus niger* (Kerr, 1792)
Mauritian Tomb Bat (English)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Mauritius Mastino-Fledermaus (German)	*Mormopterus acetabulosus* (Hermann, 1804)
Mauritius-Grabfledermaus (German)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Maurizische Doggengrämler (German)	*Mormopterus acetabulosus* (Hermann, 1804)
Mäuschen-Pipistrelle (German)	*Hypsugo musciculus* (Thomas, 1913)
Mäuschen-Zwergfledermaus (German)	*Hypsugo musciculus* (Thomas, 1913)
Mausohr (German)	*Myotis* Kaup, 1829
Mausohren (German)	*Myotis* Kaup, 1829
Mausohren (German)	*Cistugo* Thomas, 1912
Mausschwanzfledermäuse (German)	*RHINOPOMATIDAE* Dobson, 1872

Common Name	Taxon Name
Mausschwanz-Fledermäuse (German)	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Mausschwanz-Fledermäuse (German)	*RHINOPOMATIDAE* Dobson, 1872
Mediterranean Horseshoe Bat (English)	*Rhinolophus euryale* Blasius, 1853
Mediterranean Horseshoe Bat (English)	*Rhinolophus mehelyi* Matschie, 1901
Mediterranean Lesser pipistrelle (English)	*Pipistrellus pygmaeus* (Leach, 1825)
Medje Free-tailed Bat (English)	*Mops (Mops) congicus* J.A. Allen, 1917
Medje Greater Free-tailed Bat (English)	*Mops (Mops) congicus* J.A. Allen, 1917
Medje Mops Bat (English)	*Mops (Mops) congicus* J.A. Allen, 1917
Medje-Bulldoggfledermaus (German)	*Mops (Mops) congicus* J.A. Allen, 1917
megaderma žlutokřídlá (Czech)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
megaderma africká (Czech)	*Cardioderma cor* (Peters, 1872)
Mégadermatidés (French)	*MEGADERMATIDAE* H. Allen, 1864
Megadermàtidi (Italian)	*MEGADERMATIDAE* H. Allen, 1864
Megaderme à ailes orangées (French)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Megaderme à ailes orangées (French)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Mégadermes à ailes orangées (French)	*Lavia* Gray, 1838
megadermovití (Czech)	*MEGADERMATIDAE* H. Allen, 1864
Mégaloglosse de Woermann (French)	*Megaloglossus woermanni* Pagenstecher, 1885
Mégaloglosses (French)	*Megaloglossus* Pagenstecher, 1885
Meheljev potkovnjak (Croatian)	*Rhinolophus mehelyi* Matschie, 1901
Mehely Hufeisennase (German)	*Rhinolophus mehelyi* Matschie, 1901
Mehely-hoefijzerneus (Dutch)	*Rhinolophus mehelyi* Matschie, 1901
Mehely-Hufeisennase (German)	*Rhinolophus mehelyi* Matschie, 1901
Mehely's Horseshoe bat (English)	*Rhinolophus mehelyi* Matschie, 1901
Meridional serotine (English)	*Eptesicus isabellinus* (Temminck, 1840)
Microptère de Hayman (French)	*Micropteropus intermedius* Hayman, 1963
Microptères (French)	*Micropteropus* Matschie, 1899
Midas Bat (English)	*Mops (Mops) midas* (Sundevall, 1843)
Midas Free-tailed Bat (English)	*Mops (Mops) midas* (Sundevall, 1843)
Midas Groove-cheeked Bat (English)	*Mops (Mops) midas* (Sundevall, 1843)
Midas Mops Bat (English)	*Mops (Mops) midas* (Sundevall, 1843)
Midas se losstertvlermuis (Afrikaans)	*Mops (Mops) midas* (Sundevall, 1843)
Midas-Bulldoggfledermaus (German)	*Mops (Mops) midas* (Sundevall, 1843)
Midas-losstertvlermuis (Afrikaans)	*Mops (Mops) midas* (Sundevall, 1843)
Midge Bat (English)	*Pipistrellus pygmaeus* (Leach, 1825)
Mimétille (French)	*Mimetillus* Thomas, 1904
Mimétille de Moloney (French)	*Mimetillus moloneyi* (Thomas, 1891)
Mimétille de Thomas (French)	*Mimetillus thomasi* Hinton, 1920
Mimetìlli (Italian)	*Mimetillus* Thomas, 1904
Mimetìllo di Moloney (Italian)	*Mimetillus moloneyi* (Thomas, 1891)
Mimic Bats (English)	*Mimetillus* Thomas, 1904
Minioptère (French)	*Miniopterus schreibersii* (Kuhl, 1817)
Minioptère à couronne (French)	*Miniopterus inflatus* Thomas, 1903
Minioptère à longues ailes (French)	*Miniopterus schreibersii* (Kuhl, 1817)
Minioptère d'Afrique australe (French)	*Miniopterus fraterculus* Thomas and Schwann, 1906
Minioptère d'Afrique orientale (French)	*Miniopterus africanus* Sanborn, 1936
Minioptère de Montagne d'Ambre (French)	*Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015
Minioptère de Peterson (French)	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Minioptère de São Tomé (French)	*Miniopterus newtoni* Bocage, 1889
Minioptère de Schreibers (French)	*Miniopterus schreibersii* (Kuhl, 1817)
Minioptère d'Eger (French)	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
Minioptère des Comores (French)	*Miniopterus griveaudi* Harrison, 1959
Minioptere du Maghreb (French)	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Minioptère du Natal (French)	*Miniopterus natalensis* (A. Smith, 1833)
Minioptère malgache (French)	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
Miniòptere minóre (Italian)	*Miniopterus minor* Peters, 1867
Minioptère minuscule (French)	*Miniopterus minor* Peters, 1867
Minioptères (French)	*Miniopterus* Bonaparte, 1837
Minioptéridés (French)	*MINIOPTERIDAE* Dobson, 1875
Minioptèridi (Italian)	*MINIOPTERIDAE* Dobson, 1875
Miniòptero di Schrèibers (Italian)	*Miniopterus schreibersii* (Kuhl, 1817)
Miniòptero maggióre di Thòmas (Italian)	*Miniopterus inflatus* Thomas, 1903
Miniottèridi (Italian)	*MINIOPTERIDAE* Dobson, 1875
Miniottero (Italian)	*Miniopterus schreibersii* (Kuhl, 1817)
Miniòttero di Schrèibers (Italian)	*Miniopterus schreibersii* (Kuhl, 1817)
Miniòttero maggióre di Thòmas (Italian)	*Miniopterus inflatus* Thomas, 1903
Miniòttero minóre (Italian)	*Miniopterus minor* Peters, 1867
Minopter ad ala lunga (Roman)	*Miniopterus schreibersii* (Kuhl, 1817)
Minor Epauletted Fruit Bat (English)	*Epomophorus minor* Dobson, 1880
Miombo pipistrelle (English)	*Hypsugo anchietae* (Seabra, 1900)

Common Name	Taxon Name
Mittelmeerhufeisennase (German)	*Rhinolophus euryale* Blasius, 1853
Mittelmeer-Hufeisennase (German)	*Rhinolophus euryale* Blasius, 1853
Mleme (Nyanja)	*Epomophorus crypturus* Peters, 1852
mmpan (plural) (Twi (Ghana))	*CHIROPTERA* Blumenbach, 1779
mmpane (plural) (see Ohemeng *et al.*, 2017: 184) (Tanoboase (Ghana))	*CHIROPTERA* Blumenbach, 1779
Mokombe (Kenya Ruanda)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Moloneyovi netopýři (Czech)	*Mimetillus* Thomas, 1904
Moloneys Flachkopf-Fledermaus (German)	*Mimetillus moloneyi* (Thomas, 1891)
Moloney's Flat-headed Bat (English)	*Mimetillus moloneyi* (Thomas, 1891)
Moloney's Flat-headed Vesper Bat (English)	*Mimetillus moloneyi* (Thomas, 1891)
Moloney's Mimic Bat (English)	*Mimetillus moloneyi* (Thomas, 1891)
Moloneys Schmalflügel-Fledermaus (German)	*Mimetillus moloneyi* (Thomas, 1891)
Moloss Buldoc (Roman)	*Tadarida teniotis* (Rafinesque, 1814)
Molosse à crinière (French)	*Chaerephon chapini* J.A. Allen, 1917
Molosse à glandes caudales (French)	*Chaerephon bemmeleni* (Jentink, 1879)
Molosse à grandes oreilles (French)	*Tadarida lobata* (Thomas, 1891)
Molosse à grandes oreilles de Madagascar (French)	*Otomops madagascariensis* Dorst, 1953
Molosse d'Afrique du Sud (French)	*Chaerephon ansorgei* (Thomas, 1913)
Molosse d'Angola (French)	*Mops (Mops) condylurus* (A. Smith, 1833)
Molosse d'Ansorge (French)	*Chaerephon ansorgei* (Thomas, 1913)
Molosse de Cestoni (French)	*Tadarida teniotis* (Rafinesque, 1814)
Molosse de Madagascar (French)	*Tadarida fulminans* (Thomas, 1903)
Molosse de Midas (French)	*Mops (Mops) midas* (Sundevall, 1843)
Molosse d'Egypte (French)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Molosse d'Europe (French)	*Tadarida teniotis* (Rafinesque, 1814)
Molosse du Duc des Abruzzes (French)	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Molosse du Nigéria (French)	*Chaerephon nigeriae* Thomas, 1913
Molosse du Zaïre (French)	*Chaerephon gallagheri* (Harrison, 1975)
Molosse géant (French)	*Tadarida ventralis* (Heuglin, 1861)
Molosse Midas (French)	*Mops (Mops) midas* (Sundevall, 1843)
Molosse pâle (French)	*Chaerephon chapini* J.A. Allen, 1917
Molosse tacheté (French)	*Chaerephon bivittatus* (Heuglin, 1861)
Molosses (French)	*Molossinae* Gervais, 1856
Molosses à grandes oreilles (French)	*Otomops* Thomas, 1913
Molossidés (French)	*MOLOSSIDAE* Gervais, 1856
Molòssidi (Italian)	*MOLOSSIDAE* Gervais, 1856
Molosso di Cestoni (Italian)	*Tadarida teniotis* (Rafinesque, 1814)
Mongalla Free-tailed Bat (English)	*Mops (Mops) demonstrator* (Thomas, 1903)
Mongalla Mops Bat (English)	*Mops (Mops) demonstrator* (Thomas, 1903)
Mongalla-Bulldoggfledermaus (German)	*Mops (Mops) demonstrator* (Thomas, 1903)
Mongallan Mops Bat (English)	*Mops (Mops) demonstrator* (Thomas, 1903)
Montagne d'Ambre Long-fingered Bat (English)	*Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015
mopek (Polish)	*Barbastella barbastellus* (Schreber, 1774)
Mops Bats (English)	*Mops* Lesson, 1842
Mops Free-tailed Bats (English)	*Mops* Lesson, 1842
Mopsfledermaus (German)	*Barbastella barbastellus* (Schreber, 1774)
Mopsfledermäuse (German)	*Barbastella* Gray, 1821
Mopsvleermuis (Dutch)	*Barbastella barbastellus* (Schreber, 1774)
Morcego amarelo pequeno (Portuguese)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Morcego anao de Kuhl (Portuguese)	*Pipistrellus kuhlii* (Kuhl, 1817)
Morcego borboleta (Portuguese)	*Glauconycteris variegata* (Tomes, 1861)
Morcego caseiro amarelo (Portuguese)	*Scotophilus dinganii* (A. Smith, 1833)
Morcego caseiro de Rendall (Portuguese)	*Neoromicia rendalli* (Thomas, 1889)
Morcego caseiro do cabo (Portuguese)	*Neoromicia capensis* (A. Smith, 1829)
Morcego caseiro Hottentot (Portuguese)	*Eptesicus hottentotus* (A. Smith, 1833)
Morcego común (Gallician (Spain))	*Pipistrellus pipistrellus* (Schreber, 1774)
Morcego da Madeira (Portuguese)	*Pipistrellus maderensis* (Dobson, 1878)
Morcego das bananeiras (Portuguese)	*Neoromicia nana* (Peters, 1852)
Morcego das covas (Gallician (Spain))	*Miniopterus schreibersii* (Kuhl, 1817)
Morcego das fragas (Gallician (Spain))	*Barbastella barbastellus* (Schreber, 1774)
Morcego das sepulturas das Mauricias (Portuguese)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Morcego das sepulturas do egipto (Portuguese)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Morcego de beira branca (Gallician (Spain))	*Pipistrellus kuhlii* (Kuhl, 1817)
Morcego de bigotes (Gallician (Spain))	*Myotis mystacinus* (Kuhl, 1817)
Morcego de cabeca curta (Portuguese)	*Sauromys petrophilus* (Roberts, 1917)
Morcego de cauda (Portuguese)	*Coleura afra* (Peters, 1852)
Morcego de cauda livre (Portuguese)	*Mops (Mops) condylurus* (A. Smith, 1833)
Morcego de cauda livre de Ansorge (Portuguese)	*Chaerephon ansorgei* (Thomas, 1913)
Morcego de cauda livre de ventre branco (Portuguese)	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
Morcego de cauda livre do egipto (Portuguese)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Morcego de cauda livre malhado (Portuguese)	*Chaerephon bivittatus* (Heuglin, 1861)
Morcego de ferradura grande (Gallician (Spain))	*Rhinolophus ferrumequinum* (Schreber, 1774)

Common Name	Taxon Name
Morcego de Kuhl (Portuguese)	*Pipistrellus kuhlii* (Kuhl, 1817)
Morcego de Leisler (Gallician (Spain))	*Nyctalus leisleri* (Kuhl, 1817)
Morcego de Madeira (Gallician (Spain))	*Pipistrellus maderensis* (Dobson, 1878)
Morcego de nariz enfolhado da cafraria (Portuguese)	*Hipposideros caffer* (Sundevall, 1846)
Morcego de nariz enfolhado de commerson (Portuguese)	*Macronycteris gigas* (Wagner, 1845)
Morcego de nariz enfolhado de commerson (Portuguese)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Morcego de railer (Portuguese)	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Morcego de Savii (Portuguese)	*Hypsugo savii* (Bonaparte, 1837)
Morcego de Schlieffens (Portuguese)	*Nycticeinops schlieffenii* (Peters, 1859)
Morcego de schreiber (Portuguese)	*Miniopterus schreibersii* (Kuhl, 1817)
Morcego do monte (Gallician (Spain))	*Hypsugo savii* (Bonaparte, 1837)
Morcego dos Açores (Portuguese)	*Nyctalus azoreum* (Thomas, 1901)
Morcego ferradura da Damarlandia (Portuguese)	*Rhinolophus fumigatus* Rüppell, 1842
Morcego ferradura das savanas (Portuguese)	*Rhinolophus simulator* K. Andersen, 1904
Morcego ferradura de cabo (Portuguese)	*Rhinolophus capensis* Lichtenstein, 1823
Morcego ferradura de Darling (Portuguese)	*Rhinolophus darlingi* K. Andersen, 1905
Morcego ferradura de Dent (Portuguese)	*Rhinolophus denti* Thomas, 1904
Morcego ferradura de Hildebrandt (Portuguese)	*Rhinolophus hildebrandtii* Peters, 1878
Morcego ferradura de Lander (Portuguese)	*Rhinolophus landeri* Martin, 1838
Morcego ferradura de nariz de sela (Portuguese)	*Rhinolophus blasii* Peters, 1867
Morcego ferradura de Swinny (Portuguese)	*Rhinolophus swinnyi* Gough, 1908
Morcego ferradura gigante (Portuguese)	*Rhinolophus clivosus* Cretzschmar, 1828
Morcego Frugivoro de Bocage (Portuguese)	*Myonycteris angolensis* (Bocage, 1898)
Morcego frugivoro de Peters (Portuguese)	*Epomophorus crypturus* Peters, 1852
Morcego frugivoro de Wahlberg (Portuguese)	*Epomophorus wahlbergi* (Sundevall, 1846)
Morcego frugivoro do Egipto (Portuguese)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Morcego frugivoro gigante (Portuguese)	*Eidolon helvum* (Kerr, 1792)
Morcego gigante amarelo das casas (Portuguese)	*Scotophilus nigrita* (Schreber, 1774)
Morcego gigante de cauda livre (Portuguese)	*Tadarida ventralis* (Heuglin, 1861)
Morcego grande de dedos compridos (Portuguese)	*Miniopterus inflatus* Thomas, 1903
Morcego grande orelhudo (Portuguese)	*Nycteris grandis* Peters, 1865
Morcego lamoso Harrison (Portuguese)	*Kerivoula lanosa* (A. Smith, 1847)
Morcego lanoso da Damaralandia (Portuguese)	*Kerivoula argentata* Tomes, 1861
Morcego lanudo de Bocage (Portuguese)	*Myotis bocagii* (Peters, 1870)
Morcego lanudo de weltsch (Portuguese)	*Myotis welwitschii* (Gray, 1866)
Morcego mediterráneo de ferradura (Gallician (Spain))	*Rhinolophus euryale* Blasius, 1853
Morcego orelhudo do Egipto (Portuguese)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Morcego orelhudo piloso (Portuguese)	*Nycteris hispida* (Schreber, 1774)
Morcego pequeno das casas (Portuguese)	*Scotoecus albofuscus* (Thomas, 1890)
Morcego pequeno de cauda livre (Portuguese)	*Chaerephon pumilus* (Cretzschmar, 1826)
Morcego pequeno de dedos compridos (Portuguese)	*Miniopterus fraterculus* Thomas and Schwann, 1906
Morcego pequeño de ferradura (Gallician (Spain))	*Rhinolophus hipposideros* (Bechstein, 1800)
Morcego rabudo (Gallician (Spain))	*Tadarida teniotis* (Rafinesque, 1814)
Morcego tridentado (Portuguese)	*Cloeotis percivali* Thomas, 1901
Morcego-anão (Portuguese)	*Pipistrellus pipistrellus* (Schreber, 1774)
Morcego-arborícola-gigante (Portuguese)	*Nyctalus lasiopterus* (Schreber, 1780)
Morcego-arborícola-pequeno (Portuguese)	*Nyctalus leisleri* (Kuhl, 1817)
Morcego-das-bananas (Portuguese)	*Neoromicia nana* (Peters, 1852)
Morcego-de-bigodes (Portuguese)	*Myotis mystacinus* (Kuhl, 1817)
Morcego-de-ferradura-grande (Portuguese)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Morcego-de-ferradura-mourisco (Portuguese)	*Rhinolophus mehelyi* Matschie, 1901
Morcego-de-ferradura-pequeno (Portuguese)	*Rhinolophus hipposideros* (Bechstein, 1800)
Morcego-de-peluche (Portuguese)	*Miniopterus schreibersii* (Kuhl, 1817)
Morcego-lanudo (Portuguese)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Morcego-negro (Portuguese)	*Barbastella barbastellus* (Schreber, 1774)
Morcego-rabudo (Portuguese)	*Tadarida teniotis* (Rafinesque, 1814)
Morcegos (Portuguese)	*CHIROPTERA* Blumenbach, 1779
Morceogo-de-ferradura-mediterrânico (Portuguese)	*Rhinolophus euryale* Blasius, 1853
morous širokouchý (Czech)	*Tadarida lobata* (Thomas, 1891)
morous africký (Czech)	*Tadarida ventralis* (Heuglin, 1861)
morous angolský (Czech)	*Mops (Mops) condylurus* (A. Smith, 1833)
morous Ansorgeův (Czech)	*Chaerephon ansorgei* (Thomas, 1913)
morous bělobřichý (Czech)	*Chaerephon leucogaster* (A. Grandidier, 1869)
morous běloskvrnný (Czech)	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
morous chocholatý (Czech)	*Chaerephon chapini* J.A. Allen, 1917
morous egyptský (Czech)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
morous evropský (Czech)	*Tadarida teniotis* (Rafinesque, 1814)
morous guinejský (Czech)	*Chaerephon russatus* J.A. Allen, 1917
morous ještěří (Czech)	*Sauromys petrophilus* (Roberts, 1917)
morous jižní (Czech)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
morous kamerunský (Czech)	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
morous kivuský (Czech)	*Chaerephon gallagheri* (Harrison, 1975)
morous konžský (Czech)	*Mops (Mops) congicus* J.A. Allen, 1917

Common Name	Taxon Name
morous krátkokřídlý (Czech)	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
morous krysový (Czech)	*Myopterus daubentonii* Desmarest, 1820
morous liberijský (Czech)	*Chaerephon bemmeleni* (Jentink, 1879)
morous madagaskarský (Czech)	*Otomops madagascariensis* Dorst, 1953
morous malý (Czech)	*Chaerephon pumilus* (Cretzschmar, 1826)
morous malgašský (Czech)	*Chaerephon jobimena* Goodman and Cardiff, 2004
morous Martienssenův (Czech)	*Otomops martiensseni* (Matschie, 1897)
morous mauricijský (Czech)	*Mormopterus acetabulosus* (Hermann, 1804)
morous mongallanský (Czech)	*Mops (Mops) demonstrator* (Thomas, 1903)
morous niangaranský (Czech)	*Mops (Mops) niangarae* J.A. Allen, 1917
morous nigerijský (Czech)	*Chaerephon nigeriae* Thomas, 1913
morous nubijský (Czech)	*Chaerephon major* (Trouessart, 1897)
morous oslí (Czech)	*Mops (Mops) midas* (Sundevall, 1843)
morous Petersův (Czech)	*Mormopterus jugularis* (Peters, 1865)
morous plochý (Czech)	*Platymops setiger* (Peters, 1878)
morous réunionský (Czech)	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
morous sahelský (Czech)	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
morous seychelský (Czech)	*Chaerephon pusillus* (Miller, 1902)
morous skvrnitý (Czech)	*Chaerephon bivittatus* (Heuglin, 1861)
morous sněhobílý (Czech)	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
morous spílavý (Czech)	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
morous Stanleyův (Czech)	*Mops (Xiphonycteris) bakarii* Stanley, 2009
morous tomášský (Czech)	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
morous Trevorův (Czech)	*Mops (Mops) trevori* J.A. Allen, 1917
morous trpasličí (Czech)	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
morous východoafrický (Czech)	*Tadarida fulminans* (Thomas, 1903)
morous vévodský (Czech)	*Chaerephon aloysiisabaudiae* (Festa, 1907)
morous západoafrický (Czech)	*Myopterus whitleyi* (Scharff, 1900)
morousovití (Czech)	*MOLOSSIDAE* Gervais, 1856
Morris' Mausohr (German)	*Myotis morrisi* Hill, 1971
Morris's Bat (English)	*Myotis morrisi* Hill, 1971
Morris's Mouse-eared Bat (English)	*Myotis morrisi* Hill, 1971
Morris's Myotis (English)	*Myotis morrisi* Hill, 1971
Mossambique-Hufeisennase (German)	*Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mossambique-Langflügelfledermaus (German)	*Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013
motýlí netopýři (Czech)	*Glauconycteris* Dobson, 1875
Mount Gargues Pipistrelle (English)	*Pipistrellus aero* Heller, 1912
Mount Mabu Horseshoe Bat (English)	*Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mount Nimba Leaf-nosed Bat (English)	*Hipposideros lamottei* Brosset, 1985
Mount Nimba-Rundblattnase (German)	*Hipposideros lamottei* Brosset, 1985
Mountain Pipistrelle Bats (English)	*Hypsugo* Kolenati, 1856
Mountain Rousette (English)	*Stenonycteris lanosus* (Thomas, 1906)
Mouse-eared bat (English)	*Myotis mystacinus* (Kuhl, 1817)
Mouse-eared Bats (English)	*Myotis* Kaup, 1829
Mouselike Pipistrelle (English)	*Hypsugo musciculus* (Thomas, 1913)
Mouse-like Pipistrelle Bat (English)	*Hypsugo musciculus* (Thomas, 1913)
Mouse-tailed bats (English)	*RHINOPOMATIDAE* Dobson, 1872
Mouse-tailed bats (English)	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Mozambian Slit-faced Bat (English)	*Nycteris vinsoni* Dalquest, 1965
Mozambican Horseshoe Bat (English)	*Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mozambique Dämmerungsfledermaus (German)	*Neoromicia nana* (Peters, 1852)
Mozambique long-fingered bat (English)	*Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013
Mozambique Sheath-tailed Bat (English)	*Coleura afra* (Peters, 1852)
mračník bělobřichý (Czech)	*Scotophilus leucogaster* (Cretzschmar, 1826)
mračník Goodmanův (Czech)	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
mračník guinejský (Czech)	*Scotophilus nucella* Robbins, 1983
mračník madagaskarský (Czech)	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
mračník ořechový (Czech)	*Scotophilus nux* Thomas, 1904
mračník olbřímí (Czech)	*Scotophilus nigrita* (Schreber, 1774)
mračník réunionský (Czech)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
mračník statný (Czech)	*Scotophilus robustus* A. Milne-Edwards, 1881
mračník zelený (Czech)	*Scotophilus viridis* (Peters, 1852)
mračníkové (Czech)	*Scotophilus* Leach, 1821
mračníkové (Czech)	*Scotophilinae* Van Cakenberghe and Seamark, 2008
mrakolibové (Czech)	*Scotophilus* Leach, 1821
mroczkowate (Polish)	*VESPERTILIONIDAE* Gray, 1821

Common Name	Taxon Name
Mt Mabu Hufeisennas (German)	*Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mt Gargues Pipistrelle (English)	*Pipistrellus aero* Heller, 1912
Mt Gargues Pipistrelle Bat (English)	*Pipistrellus aero* Heller, 1912
Mückenfledermaus (German)	*Pipistrellus pygmaeus* (Leach, 1825)
Muisstaartvleermuizen (Dutch)	*RHINOPOMATIDAE* Dobson, 1872
Mulima (Kiluba (DRC))	*Myotis welwitschii* (Gray, 1866)
Mulima (Kinande (DRC))	*Macronycteris gigas* (Wagner, 1845)
Mulima (Kinande (DRC))	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Mulima (Kiluba (DRC))	*Plerotes anchietae* (Seabra, 1900)
Mulima (Kiluba (DRC))	*Micropteropus pusillus* (Peters, 1868)
Mulima (Kinande (DRC))	*Myonycteris angolensis* (Bocage, 1898)
Mulima (Kiluba (DRC))	*Epomophorus* Bennett, 1836
Mulima (Kinande (DRC))	*Otomops martiensseni* (Matschie, 1897)
Mulima (Kiluba (DRC))	*Myonycteris angolensis* (Bocage, 1898)
Mulima (Kinande (DRC))	*Eidolon helvum* (Kerr, 1792)
Mulina (Kinande (DRC))	*Hypsignathus monstrosus* H. Allen, 1862
Murciélago (Spanish (Castillian))	*Neoromicia tenuipinnis* (Peters, 1872)
Murciélago Amarillo (Spanish (Castillian))	*Scotophilus nigrita* (Schreber, 1774)
Murciélago bigotudo (Spanish (Castillian))	*Myotis mystacinus* (Kuhl, 1817)
Murciélago común (Spanish (Castillian))	*Pipistrellus pipistrellus* (Schreber, 1774)
Murcielago Dalmata De Herradura (Spanish (Castillian))	*Rhinolophus blasii* Peters, 1867
Murciélago de Ala Larga (Spanish (Castillian))	*Miniopterus inflatus* Thomas, 1903
Murciélago de borde claro (Spanish (Castillian))	*Pipistrellus kuhlii* (Kuhl, 1817)
Murciélago de bosque (Spanish (Castillian))	*Barbastella barbastellus* (Schreber, 1774)
Murciélago de cabeza Plana (Spanish (Castillian))	*Mimetillus moloneyi* (Thomas, 1891)
Murciélago de Cabrera (Spanish (Castillian))	*Pipistrellus pygmaeus* (Leach, 1825)
Murciélago de Cara Hueca (Spanish (Castillian))	*Nycteris arge* Thomas, 1903
Murciélago de cueva (Spanish (Castillian))	*Miniopterus schreibersii* (Kuhl, 1817)
Murciélago de Geoffroy (Spanish (Castillian))	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Murciélago de Herradura (Spanish (Castillian))	*Rhinolophus landeri* Martin, 1838
Murciélago de Herradura (Spanish (Castillian))	*Rhinolophus alcyone* Temminck, 1853
Murciélago de herradura mediterráneo (Spanish (Castillian))	*Rhinolophus euryale* Blasius, 1853
Murciélago de Lengua Larga (Spanish (Castillian))	*Megaloglossus woermanni* Pagenstecher, 1885
Murciélago de Madeira (Spanish (Castillian))	*Pipistrellus maderensis* (Dobson, 1878)
Murciélago de montaña (Spanish (Castillian))	*Hypsugo savii* (Bonaparte, 1837)
Murciélago de Nariz de Hoja (Spanish (Castillian))	*Hipposideros beatus* (K. Andersen, 1906)
Murciélago de Orejas de Ratón (Spanish (Castillian))	*Myotis bocagii* (Peters, 1870)
Murciélago Enano (Spanish (Castillian))	*Micropteropus pusillus* (Peters, 1868)
Murciélago enano (Spanish (Castillian))	*Pipistrellus pipistrellus* (Schreber, 1774)
Murciélago grande de herradura (Spanish (Castillian))	*Rhinolophus ferrumequinum* (Schreber, 1774)
Murciélago Guanero (Spanish (Castillian))	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Murciélago Mariposa (Spanish (Castillian))	*Glauconycteris beatrix* Thomas, 1901
Murciélago mediano de herradura (Spanish (Castillian))	*Rhinolophus mehelyi* Matschie, 1901
Murciélago medtierráneo de herradura (Spanish (Castillian))	*Rhinolophus euryale* Blasius, 1853
Murciélago montañero (Spanish (Castillian))	*Hypsugo savii* (Bonaparte, 1837)
Murciélago nocturno (Spanish (Castillian))	*Nyctalus leisleri* (Kuhl, 1817)
Murciélago orejirroto (Spanish (Castillian))	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Murciélago orejudo canario (Spanish (Castillian))	*Plecotus teneriffae* Barrett-Hamilton, 1907
Murciélago patudo (Spanish (Castillian))	*Myotis capaccinii* (Bonaparte, 1837)
Murciélago pequeño de herradura (Spanish (Castillian))	*Rhinolophus hipposideros* (Bechstein, 1800)
Murciélago pigmeo (Spanish (Castillian))	*Pipistrellus pygmaeus* (Leach, 1825)
Murciélago rabudo (Spanish (Castillian))	*Tadarida teniotis* (Rafinesque, 1814)
Murciélago Ratonero Patudo (Spanish (Castillian))	*Myotis capaccinii* (Bonaparte, 1837)
Murcielagos (Spanish (Castillian))	*CHIROPTERA* Blumenbach, 1779
Murcielagos chicos (Spanish (Castillian))	*VESPERTILIONIDAE* Gray, 1821
Murcielagos cola de raton o de cola libre (Spanish (Castillian))	*MOLOSSIDAE* Gervais, 1856
Murciélagos de cola envainada (Spanish (Castillian))	*VESPERTILIONIDAE* Gray, 1821
Murciélagos de cola envainada (Spanish (Castillian))	*EMBALLONURIDAE* Gervais, 1855
Murin à bajoues argenté (French)	*Glauconycteris argentata* (Dobson, 1875)
Murin à bajoues d'Abo (French)	*Glauconycteris poensis* (Gray, 1842)
Murin à bajoues d'Allen (French)	*Glauconycteris alboguttata* J.A. Allen, 1917
Murin à bajoues de Béatrice (French)	*Glauconycteris beatrix* Thomas, 1901
Murin à bajoues de Bibundi (French)	*Glauconycteris egeria* Thomas, 1913
Murin à bajoues de Glen (French)	*Glauconycteris gleni* Peterson and Smith, 1973
Murin à bajoues du Kenya (French)	*Glauconycteris kenyacola* Peterson, 1982
Murin à bajoues papillon (French)	*Glauconycteris variegata* (Tomes, 1861)
Murin à bajoues pie (French)	*Glauconycteris superba* Hayman, 1939
Murin à moustaches (French)	*Myotis mystacinus* (Kuhl, 1817)
Murin à oreilles échancrées (French)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Murin d'Angola (French)	*Cistugo seabrae* Thomas, 1912
Murin d'Angola (French)	*Myotis tricolor* (Temminck, 1832)
Murin d'Anjouan (French)	*Myotis anjouanensis* (Dorst, 1960)

Common Name	Taxon Name
Murin De Capaccini (French)	*Myotis capaccinii* (Bonaparte, 1837)
Murin de Du Bocage (French)	*Myotis bocagii* (Peters, 1870)
Murin de Kock (French)	*Myotis dieteri* M. Happold, 2005
Murin de Lesueur (French)	*Cistugo lesueuri* Roberts, 1919
Murin de Madagascar (French)	*Myotis goudoti* (A. Smith, 1834)
Murin de Scott (French)	*Myotis scotti* Thomas, 1927
Murin de Welwitsch (French)	*Myotis welwitschii* (Gray, 1866)
Murin d'Ethiopie (French)	*Myotis morrisi* Hill, 1971
Murin du Maghreb (French)	*Myotis punicus* Felten, 1977
Murin roux (French)	*Myotis bocagii* (Peters, 1870)
Murin tricolore (French)	*Myotis tricolor* (Temminck, 1832)
Murin velu du Cap (French)	*Myotis tricolor* (Temminck, 1832)
Murins (French)	*Myotis* Kaup, 1829
Murins à bajoues (French)	*Glauconycteris* Dobson, 1875
Murrcielago de cueva magrebí (Spanish (Castillian))	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Mustakjest Nokjnik (Macedonian)	*Myotis mystacinus* (Kuhl, 1817)
Mustaschfladdermus (Swedish)	*Myotis mystacinus* (Kuhl, 1817)
Myonyctère d'Afrique orientale (French)	*Myonycteris relicta* Bergmans, 1980
Myonyctère de São Tomé (French)	*Myonycteris brachycephala* (Bocage, 1889)
Myonyctères (French)	*Myonycteris* Matschie, 1899
Myoptère de Bini (French)	*Myopterus whitleyi* (Scharff, 1900)
Myoptère de Daubenton (French)	*Myopterus daubentonii* Desmarest, 1820
Myoptère de Whitley (French)	*Myopterus whitleyi* (Scharff, 1900)
Myoptère du Sénégal (French)	*Myopterus daubentonii* Desmarest, 1820
Myoptères (French)	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Myotis de Welwitsch (French)	*Myotis welwitschii* (Gray, 1866)
Myzopoda oreillard (French)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
myzopoda ušatá (Czech)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Myzopodidés (French)	*MYZOPODIDAE* Thomas, 1904
myzopodovití (Czech)	*MYZOPODIDAE* Thomas, 1904
myzopody (Czech)	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
Nacktbauch-Grabfledermaus (German)	*Taphozous nudiventris* Cretzschmar, 1830
nagy patkósdenevér (Hungarian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
nagy patkósorrú denevér (Hungarian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Naked-bellied Tomb Bat (English)	*Taphozous nudiventris* Cretzschmar, 1830
Nakede-bellied Taphozous (English)	*Taphozous nudiventris* Cretzschmar, 1830
Naked-rumped Bat (English)	*Taphozous nudiventris* Cretzschmar, 1830
Naked-rumped Tomb Bat (English)	*Taphozous nudiventris* Cretzschmar, 1830
Namib Long-eared Bat (English)	*Laephotis namibensis* Setzer, 1971
Namibia-Langohrfledermaus (German)	*Laephotis namibensis* Setzer, 1971
Namibian Long-eared Bat (English)	*Laephotis namibensis* Setzer, 1971
Namib-langoorvlermuis (Afrikaans)	*Laephotis namibensis* Setzer, 1971
Namoroka-Langflügelfledermaus (German)	*Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Nanonyctère (French)	*Nanonycteris veldkampii* (Jentink, 1888)
Narrow-winged Bats (English)	*Mimetillus* Thomas, 1904
Nas fier-chaval grond (Roman)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Nas fier-chaval pitschen (Roman)	*Rhinolophus hipposideros* (Bechstein, 1800)
Natal Clinging Bat (English)	*Miniopterus natalensis* (A. Smith, 1833)
Natal Flat-headed Bat (English)	*Mormopterus acetabulosus* (Hermann, 1804)
Natal Free-tailed Bat (English)	*Mormopterus acetabulosus* (Hermann, 1804)
Natal Long-fingered Bat (English)	*Miniopterus natalensis* (A. Smith, 1833)
Natal Wrinkle-lipped Bat (English)	*Mormopterus acetabulosus* (Hermann, 1804)
Natalischen Schwirrfledermaus (German)	*Scotophilus dinganii* (A. Smith, 1833)
Natal-Langflügelfledermaus (German)	*Miniopterus natalensis* (A. Smith, 1833)
Natalse losstertvlermuis (Afrikaans)	*Mormopterus acetabulosus* (Hermann, 1804)
ndema (Comorian)	*Pteropus seychellensis* A. Milne-Edwards, 1877
Ndemia (Chewa)	*Neoromicia nana* (Peters, 1852)
Ndima (Azande (DRC))	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Ndima (Azande (DRC))	*Epomophorus labiatus* (Temminck, 1837)
ndrema (Comorian)	*Pteropus seychellensis* A. Milne-Edwards, 1877
Nectar Bat (English)	*Megaloglossus woermanni* Pagenstecher, 1885
nedopír širokouchý (Czech)	*Miniopterus schreibersii* (Kuhl, 1817)
nedopír brvitý (Czech)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
nedopír celouchý (Czech)	*Pipistrellus kuhlii* (Kuhl, 1817)
nedopír chlupatopěstný (Czech)	*Nyctalus leisleri* (Kuhl, 1817)
nedopír chlupatopestrý (Czech)	*Nyctalus leisleri* (Kuhl, 1817)
nedopír hvízdavý (Czech)	*Pipistrellus pipistrellus* (Schreber, 1774)
nedopír wraubkowaný (Czech)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Neoromicia Pipistrelle Bats (English)	*Neoromicia* Roberts, 1926
Neoromìcie (Italian)	*Neoromicia* Roberts, 1926

Common Name	Taxon Name
netop ýrotva ří (Czech)	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
netopýři (Czech)	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
netopýři širokouší (Czech)	*Barbastella* Gray, 1821
netopýři bradožlází (Czech)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
netopýři buldočí (Czech)	*MOLOSSIDAE* Gervais, 1856
netopýři dlouhorucí (Czech)	*Miniopterus* Bonaparte, 1837
netopýři dlouhorucí (Czech)	*MINIOPTERIDAE* Dobson, 1875
netopýři hladkonosí (Czech)	*EMBALLONURIDAE* Gervais, 1855
netopýři holonosí (Czech)	*VESPERTILIONIDAE* Gray, 1821
netopýři morousovití (Czech)	*Tadarida* Rafinesque, 1814
netopýři myší (Czech)	*Myotis* Kaup, 1829
netopýr černý (Czech)	*Barbastella barbastellus* (Schreber, 1774)
netopýr červenohlavý (Czech)	*Pipistrellus kuhlii* (Kuhl, 1817)
netopýr šplhavý (Czech)	*Neoromicia nana* (Peters, 1852)
netopýr abonský (Czech)	*Glauconycteris poensis* (Gray, 1842)
netopýr alpský (Czech)	*Hypsugo savii* (Bonaparte, 1837)
netopýr anžuánský (Czech)	*Myotis anjouanensis* (Dorst, 1960)
netopýr Anchietův (Czech)	*Hypsugo anchietae* (Seabra, 1900)
netopýr angolský (Czech)	*Laephotis angolensis* Monard, 1935
netopýr azorský (Czech)	*Nyctalus azoreum* (Thomas, 1901)
netopýr bělobřichý (Czech)	*Scotophilus leucogaster* (Cretzschmar, 1826)
netopýr běloblanný (Czech)	*Neoromicia tenuipinnis* (Peters, 1872)
netopýr bělohrdlý (Czech)	*Scotoecus albigula* Thomas, 1909
netopýr banánový (Czech)	*Neoromicia nana* (Peters, 1852)
netopýr bečuánský (Czech)	*Laephotis botswanae* Setzer, 1971
netopýr bibundinský (Czech)	*Glauconycteris egeria* Thomas, 1913
netopýr Bocageův (Czech)	*Myotis bocagii* (Peters, 1870)
netopýr Bottův (Czech)	*Eptesicus bottae* (Peters, 1869)
netopýr brvitý (Czech)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
netopýr buldočí (Czech)	*Coleura afra* (Peters, 1852)
netopýr damarský (Czech)	*Pipistrellus rusticus* (Tomes, 1861)
netopýr damarský (Czech)	*Neoromicia capensis* (A. Smith, 1829)
netopýr dvoubarvý (Czech)	*Pipistrellus rueppellii* (Fischer, 1829)
netopýr efulenský (Czech)	*Pipistrellus nanulus* Thomas, 1904
netopýr Flowerův (Czech)	*Eptesicus floweri* (de Winton, 1901)
netopýr galangánský (Czech)	*Neoromicia flavescens* (Seabra, 1900)
netopýr gambiánský (Czech)	*Scotoecus albofuscus* (Thomas, 1890)
netopýr gargueský (Czech)	*Pipistrellus aero* Heller, 1912
netopýr Glenův (Czech)	*Glauconycteris gleni* Peterson and Smith, 1973
netopýr guinejský (Czech)	*Hypsugo eisentrauti* (Hill, 1968)
netopýr habešský (Czech)	*Myotis scotti* Thomas, 1927
netopýr Hindeův (Czech)	*Scotoecus hindei* Thomas, 1901
netopýr hnědý (Czech)	*Neoromicia capensis* (A. Smith, 1829)
netopýr hotentotský (Czech)	*Eptesicus hottentotus* (A. Smith, 1833)
netopýr hrobkový (Czech)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
netopýr hvízdavý (Czech)	*Pipistrellus pipistrellus* (Schreber, 1774)
netopýr iturijský (Czech)	*Glauconycteris superba* Hayman, 1939
netopýr jižní (Czech)	*Pipistrellus kuhlii* (Kuhl, 1817)
netopýr jižní (Czech)	*Pipistrellus hesperidus* (Temminck, 1840)
netopýr kalabarský (Czech)	*Neoromicia brunnea* (Thomas, 1880)
netopýr kamerunský (Czech)	*Pipistrellus inexspectatus* Aellen, 1959
netopýr kanárský (Czech)	*Plecotus teneriffae* Barrett-Hamilton, 1907
netopýr kapský (Czech)	*Neoromicia capensis* (A. Smith, 1829)
netopýr keňský (Czech)	*Glauconycteris kenyacola* Peterson, 1982
netopýr Kockův (Czech)	*Myotis dieteri* M. Happold, 2005
netopýr konžský (Czech)	*Glauconycteris curryae* Eger and Schlitter, 2001
netopýr koptový (Czech)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
netopýr krátkouchý (Czech)	*Nycticeinops schlieffenii* (Peters, 1859)
netopýr kyrénský (Czech)	*Pipistrellus hanaki* Hulva and Benda, 2004
netopýr Leislerův (Czech)	*Nyctalus leisleri* (Kuhl, 1817)
netopýr lysobřichý (Czech)	*Taphozous nudiventris* Cretzschmar, 1830
netopýr Machadův (Czech)	*Glauconycteris machadoi* Hayman, 1963
netopýr madagaskarský (Czech)	*Myotis goudoti* (A. Smith, 1834)
netopýr madeirský (Czech)	*Pipistrellus maderensis* (Dobson, 1878)
netopýr makaronéský (Czech)	*Pipistrellus maderensis* (Dobson, 1878)
netopýr malý (Czech)	*Pipistrellus pipistrellus* (Schreber, 1774)
netopýr malgašský (Czech)	*Neoromicia matroka* (Thomas and Schwann, 1905)
netopýr mauricijský (Czech)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
netopýr mechový (Czech)	*Hypsugo musciculus* (Thomas, 1913)
netopýr medžeský (Czech)	*Glauconycteris humeralis* J.A. Allen, 1917
netopýr Moloneyův (Czech)	*Mimetillus moloneyi* (Thomas, 1891)
netopýr mopsličí (Czech)	*Barbastella barbastellus* (Schreber, 1774)

Common Name	Taxon Name
netopýr Morrisův (Czech)	*Myotis morrisi* Hill, 1971
netopýr motýlí (Czech)	*Glauconycteris variegata* (Tomes, 1861)
netopýr namibský (Czech)	*Laephotis namibensis* Setzer, 1971
netopýr nejmenší (nedopír kařelný) (Czech)	*Pipistrellus pygmaeus* (Leach, 1825)
netopýr nigerijský (Czech)	*Eptesicus platyops* (Thomas, 1901)
netopýr obrovský (Czech)	*Nyctalus lasiopterus* (Schreber, 1780)
netopýr obtloustlý (Czech)	*Hypsugo crassulus* (Thomas, 1904)
netopýr Ogněvův (Czech)	*Eptesicus bottae* (Peters, 1869)
netopýr pisklavý (Czech)	*Pipistrellus pipistrellus* (Schreber, 1774)
netopýr pouštní (Czech)	*Hypsugo ariel* (Thomas, 1904)
netopýr pruhovaný (Czech)	*Glauconycteris alboguttata* J.A. Allen, 1917
netopýr punský (Czech)	*Myotis punicus* Felten, 1977
netopýr pustinný (Czech)	*Otonycteris hemprichii* Peters, 1859
netopýr Rendallův (Czech)	*Neoromicia rendalli* (Thomas, 1889)
netopýr rovníkový (Czech)	*Glauconycteris beatrix* Thomas, 1901
netopýr Rüppellův (Czech)	*Pipistrellus rueppellii* (Fischer, 1829)
netopýr savanový (Czech)	*Neoromicia guineensis* (Bocage, 1889)
netopýr Saviův (Czech)	*Hypsugo savii* (Bonaparte, 1837)
netopýr Schlieffenův (Czech)	*Nycticeinops schlieffenii* (Peters, 1859)
netopýr seychelský (Czech)	*Coleura seychellensis* Peters, 1868
netopýr slujový (Czech)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
netopýr slunečný (Czech)	*Neoromicia helios* (Heller, 1912)
netopýr somálský (Czech)	*Neoromicia somalica* (Thomas, 1901)
netopýr stříbrný (Czech)	*Glauconycteris argentata* (Dobson, 1875)
netopýr stromový (Czech)	*Nyctalus leisleri* (Kuhl, 1817)
netopýr tanganjický (Czech)	*Pipistrellus permixtus* Aellen, 1957
netopýr tripolitánský (Czech)	*Eptesicus isabellinus* (Temminck, 1840)
netopýr trojbarvý (Czech)	*Myotis tricolor* (Temminck, 1832)
netopýr vlaštovčí (Czech)	*Scotoecus hirundo* (de Winton, 1899)
netopýr vlnatý (Czech)	*Kerivoula africana* Dobson, 1878
netopýr vousatý (Czech)	*Myotis mystacinus* (Kuhl, 1817)
netopýr vrásopyskatý (Czech)	*Tadarida teniotis* (Rafinesque, 1814)
netopýr vroubený (Czech)	*Pipistrellus kuhlii* (Kuhl, 1817)
netopýr Welwitschův (Czech)	*Myotis welwitschii* (Gray, 1866)
netopýr Welwitschiův (Czech)	*Myotis welwitschii* (Gray, 1866)
netopýr Wintonův (Czech)	*Laephotis wintoni* Thomas, 1901
netopýr zelený (Czech)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
netopýr zuluský (Czech)	*Neoromicia zuluensis* (Roberts, 1924)
netopýrcové (Czech)	*Myotinae* Tate, 1942
netopýrcové (Czech)	*Myotis* Kaup, 1829
netopýrec brvitý (Czech)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
netopýrek ušatý (Czech)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
netopýrkové ušatí (Czech)	*MYZOPODIDAE* Thomas, 1904
netopýrov ci (Czech)	*VESPERTILIONOIDEA* Gray, 1821
netopýrovití (Czech)	*VESPERTILIONIDAE* Gray, 1821
Netopier brvitý (Slovakian)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Netopier fúzatý (Slovakian)	*Myotis mystacinus* (Kuhl, 1817)
netopýr dlouhonohý (Czech)	*Myotis capaccinii* (Bonaparte, 1837)
Netzhäutigen Dämmerungsfledermaus (German)	*Pipistrellus hesperidus* (Temminck, 1840)
Niangara Free-tailed Bat (English)	*Mops (Mops) niangarae* J.A. Allen, 1917
Niangara Mops Bat (English)	*Mops (Mops) niangarae* J.A. Allen, 1917
Niangara-Bulldoggfledermaus (German)	*Mops (Mops) niangarae* J.A. Allen, 1917
Niangaran Mops Bat (English)	*Mops (Mops) niangarae* J.A. Allen, 1917
Nicterìde di Parìsi (Italian)	*Nycteris parisii* (de Beaux, 1924)
Nicterìde di Tèbe (Italian)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nicterìde irsùta (Italian)	*Nycteris hispida* (Schreber, 1774)
Nicterìde ìspida (Italian)	*Nycteris hispida* (Schreber, 1774)
Nicterìde orecchiùta (Italian)	*Nycteris aurita* (K. Andersen, 1912)
Nicterìde tebàna (Italian)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nicterìdi (Italian)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Nicticèinope di Schlieffen (Italian)	*Nycticeinops schlieffenii* (Peters, 1859)
Nicticèinopi (Italian)	*Nycticeinops* Hill & Harrison, 1987
Nigeria-Bulldoggfledermaus (German)	*Chaerephon nigeriae* Thomas, 1913
Nigerian Free-tailed Bat (English)	*Chaerephon nigeriae* Thomas, 1913
Nigerian Wrinkle-lipped Bat (English)	*Chaerephon nigeriae* Thomas, 1913
Nigeriese losstertvlermuis (Afrikaans)	*Chaerephon nigeriae* Thomas, 1913
nigerijští kaloni (Czech)	*Micropteropus* Matschie, 1899
Nijlrousettus (Dutch)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Nilflughund (German)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Nimble Slit-faced Bat (English)	*Nycteris arge* Thomas, 1903
Nitterìde di Dòbson; Nicterìde di Dobsòn (Italian)	*Nycteris macrotis* Dobson, 1876
Nitterìde di Parìsi (Italian)	*Nycteris parisii* (de Beaux, 1924)
Nitterìde di Tèbe (Italian)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818

Common Name	Taxon Name
Nitterìde irsùta (Italian)	*Nycteris hispida* (Schreber, 1774)
Nitterìde ìspida (Italian)	*Nycteris hispida* (Schreber, 1774)
Nitterìde orecchiùta (Italian)	*Nycteris aurita* (K. Andersen, 1912)
Nitterìde tebàna (Italian)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nitterìdi (Italian)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Nitticèinope di Schlieffen (Italian)	*Nycticeinops schlieffenii* (Peters, 1859)
Nitticèinopi (Italian)	*Nycticeinops* Hill & Harrison, 1987
Nkulo (Azande (DRC))	*Hipposideros caffer* (Sundevall, 1846)
nočních kaloni (Czech)	*Rousettus* Gray, 1821
Noack's Leaf-nosed Bat (English)	*Hipposideros ruber* (Noack, 1893)
Noack's Roundleaf Bat (English)	*Hipposideros ruber* (Noack, 1893)
Noacks Rundblattnase (German)	*Hipposideros ruber* (Noack, 1893)
nocek orzesiony (Polish)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
nocki (Polish)	*Myotis* Kaup, 1829
Noctophile d'Angola (French)	*Laephotis angolensis* Monard, 1935
Noctophile de De Winton (French)	*Laephotis wintoni* Thomas, 1901
Noctophile du Botswana (French)	*Laephotis botswanae* Setzer, 1971
Noctophile du Namib (French)	*Laephotis namibensis* Setzer, 1971
Noctophiles (French)	*Laephotis* Thomas, 1901
Noctule Bats (English)	*Nyctalus* Bowdich, 1825
Noctule de Leisler (French)	*Nyctalus leisleri* (Kuhl, 1817)
Noctule des Açores (French)	*Nyctalus azoreum* (Thomas, 1901)
Noctule géante (French)	*Nyctalus lasiopterus* (Schreber, 1780)
Noctules (French)	*Nyctalus* Bowdich, 1825
Noctules (English)	*Nyctalus* Bowdich, 1825
Noctulo de Leisler (Spanish (Castillian))	*Nyctalus leisleri* (Kuhl, 1817)
Nóctulo gigante (Spanish (Castillian))	*Nyctalus lasiopterus* (Schreber, 1780)
Nóctulo Grande (Spanish (Castillian))	*Nyctalus lasiopterus* (Schreber, 1780)
Nóctulo menor (Spanish (Castillian))	*Nyctalus leisleri* (Kuhl, 1817)
Nóctulo pequeño (Spanish (Castillian))	*Nyctalus leisleri* (Kuhl, 1817)
Noisy Fruit-bats (English)	*Epomops* Gray, 1866
Noktule e Leisler-it (Albanian)	*Nyctalus leisleri* (Kuhl, 1817)
nosalec malolupenný (Czech)	*Rhinopoma microphyllum* (Brünnich, 1782)
nosalecové (Czech)	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Notch-eared Bat (English)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Nottola di Leisler (Italian)	*Nyctalus leisleri* (Kuhl, 1817)
Nottola gigante (Italian)	*Nyctalus lasiopterus* (Schreber, 1780)
Nucella House Bat (English)	*Scotophilus nucella* Robbins, 1983
Nußfarbene Hausfledermaus (German)	*Scotophilus nux* Thomas, 1904
Nut-colored Yellow Bat (English)	*Scotophilus nux* Thomas, 1904
Nut-coloured House Bat (English)	*Scotophilus nux* Thomas, 1904
Nux Yellow House Bat (English)	*Scotophilus nux* Thomas, 1904
Nyctère à grandes oreilles (French)	*Nycteris macrotis* Dobson, 1876
Nyctère à longues oreilles (French)	*Nycteris aurita* (K. Andersen, 1912)
Nyctère d'Aellen (French)	*Nycteris intermedia* Aellen, 1959
Nyctère d'Andersen (French)	*Nycteris aurita* (K. Andersen, 1912)
Nyctère de Bates (French)	*Nycteris arge* Thomas, 1903
Nyctère de Dobson (French)	*Nycteris macrotis* Dobson, 1876
Nyctère de Gambie (French)	*Nycteris gambiensis* (K. Andersen, 1912)
Nyctère de Ja (French)	*Nycteris major* (K. Andersen, 1912)
Nyctère de la Thébaïde (French)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nyctère de Madagascar (French)	*Nycteris madagascariensis* G. Grandidier, 1937
Nyctère de Parisi (French)	*Nycteris parisii* (de Beaux, 1924)
Nyctère de Vinson (French)	*Nycteris vinsoni* Dalquest, 1965
Nyctère de Wood (French)	*Nycteris woodi* K. Andersen, 1914
Nyctère du Mozambique (French)	*Nycteris vinsoni* Dalquest, 1965
Nyctère égyptienne (French)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nyctère hérissée (French)	*Nycteris hispida* (Schreber, 1774)
Nyctère hirsute (French)	*Nycteris hispida* (Schreber, 1774)
Nyctère moyen (French)	*Nycteris intermedia* Aellen, 1959
Nyctère naine (French)	*Nycteris nana* (K. Andersen, 1912)
Nyctères (French)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Nyctéridés (French)	*NYCTERIDAE* Van der Hoeven, 1855
Nycteris i alpios (Hungarian)	*Hypsugo savii* (Bonaparte, 1837)
Nycteris i kini (Hungarian)	*Pipistrellus pipistrellus* (Schreber, 1774)
Nycteris i leukogyros (Hungarian)	*Pipistrellus kuhlii* (Kuhl, 1817)
Nycteris i macropterys (Hungarian)	*Miniopterus schreibersii* (Kuhl, 1817)
Nycteris i macropus (Hungarian)	*Myotis capaccinii* (Bonaparte, 1837)
Nycteris i mikromolossos (Hungarian)	*Barbastella barbastellus* (Schreber, 1774)
Nycteris i mystakophoros (Hungarian)	*Myotis mystacinus* (Kuhl, 1817)
Nycteris i urophoros (Hungarian)	*Tadarida teniotis* (Rafinesque, 1814)
Nycteris pterygisti i megali (Hungarian)	*Nyctalus lasiopterus* (Schreber, 1780)
Nycteris pterygisti i mikra (Hungarian)	*Nyctalus leisleri* (Kuhl, 1817)
nycteris velká (Czech)	*Nycteris grandis* Peters, 1865

Common Name	Taxon Name
Nycticeinops (French)	*Nycticeinops* Hill & Harrison, 1987
Nycticeinops de Schlieffen (French)	*Nycticeinops schlieffenii* (Peters, 1859)
nykteridovití (Czech)	*NYCTERIDAE* Van der Hoeven, 1855
nykteridy (Czech)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
nykteris egyptská (Czech)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
nykteris velkouchá (Czech)	*Nycteris macrotis* Dobson, 1876
Nyugati piszedenevér (Hungarian)	*Barbastella barbastellus* (Schreber, 1774)
obecný (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Old World Big-eared Bats (English)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Old World Fruit bats (English)	*PTEROPODIDAE* Gray, 1821
Old World Long-eared Bats (English)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Old World Sucker-footed Bat (English)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Old-World leaf-nosed bat (English)	*HIPPOSIDERIDAE* Lydekker, 1891
Olivenbraune Schwirrfledermaus (German)	*Scotophilus leucogaster* (Cretzschmar, 1826)
Olivengrüne Schwirrfledermaus (German)	*Scotophilus viridis* (Peters, 1852)
Onechte vampieren (Dutch)	*MEGADERMATIDAE* H. Allen, 1864
Opashest Liljak (Macedonian)	*Tadarida teniotis* (Rafinesque, 1814)
Orecchione di Gaisler (Italian)	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
Oreillard d'Angola (French)	*Laephotis angolensis* Monard, 1935
Oreillard de De Winton (French)	*Laephotis wintoni* Thomas, 1901
Oreillard de Namibie (French)	*Laephotis namibensis* Setzer, 1971
Oreillard de Tenerife (French)	*Plecotus teneriffae* Barrett-Hamilton, 1907
Oreillard d'Egypte (French)	*Plecotus christii* Gray, 1838
Oreillard d'Ethiopie (French)	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Oreillard d'Hemprich (French)	*Otonycteris hemprichii* Peters, 1859
Oreillard du Botswana (French)	*Laephotis botswanae* Setzer, 1971
Oreillard du Gaisler (French)	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
Oreillard du Namib (French)	*Laephotis namibensis* Setzer, 1971
Oreillards (French)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Oreillards d'Afrique (French)	*Laephotis* Thomas, 1901
Oreillards du désert (French)	*Otonycteris* Peters, 1859
Östliche Haftscheibenfledermaus (German)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Östliche Mopsfledermaus (German)	*Barbastella leucomelas* (Cretzschmar, 1826)
Otocarlìno (Italian)	*Otomops* Thomas, 1913
Otocarlìno di Martienssèn (Italian)	*Otomops martiensseni* (Matschie, 1897)
ouška myší (Czech)	*Myotis* Kaup, 1829
příšerec egipecký (Czech)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
příšerecové (Czech)	*Chaerephon* Dobson, 1874
přísavkovci (Czech)	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
přísavkovcovití (Czech)	*MYZOPODIDAE* Thomas, 1904
přísavkovec bělobřichý (Czech)	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
přísavkovec ušatý (Czech)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Paarse hoefijzerneus (Dutch)	*Rhinolophus euryale* Blasius, 1853
Pale Free-tailed Bat (English)	*Chaerephon chapini* J.A. Allen, 1917
Pale Xantharpy (English)	*Eidolon helvum* (Kerr, 1792)
Palmenflughund (German)	*Eidolon helvum* (Kerr, 1792)
Palmenflughunde (German)	*Eidolon* Rafinesque, 1815
Papo ("Congolese")	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Parisis Schlitznasen-Fledermaus (German)	*Nycteris parisii* (de Beaux, 1924)
Parisi's Slit-faced Bat (English)	*Nycteris parisii* (de Beaux, 1924)
Parissi's Slit-faced Bat (English)	*Nycteris parisii* (de Beaux, 1924)
Patrizis Dreizackblattnase (German)	*Asellia patrizii* de Beaux, 1931
Patrizi's Lesser Trident Bat (English)	*Asellia patrizii* de Beaux, 1931
Patrizi's Trident Leaf-nosed Bat (English)	*Asellia patrizii* de Beaux, 1931
patuljasti slijepi mi\ić; Catalonian (Spain):: Rat penat comú (Bosnian)	*Pipistrellus pipistrellus* (Schreber, 1774)
pavrápencovití (Czech)	*HIPPOSIDERIDAE* Lydekker, 1891
pavrápenec abánský (Czech)	*Hipposideros abae* J.A. Allen, 1917
pavrápenec Aellenův (Czech)	*Hipposideros marisae* Aellen, 1954
pavrápenec africký (Czech)	*Hipposideros caffer* (Sundevall, 1846)
pavrápenec Commersonův (Czech)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
pavrápenec eritrejský (Czech)	*Asellia patrizii* de Beaux, 1931
pavrápenec guinejský (Czech)	*Hipposideros beatus* (K. Andersen, 1906)
pavrápenec Jonesův (Czech)	*Hipposideros jonesi* Hayman, 1947
pavrápenec kamerunský (Czech)	*Hipposideros camerunensis* Eisentraut, 1956
pavrápenec krátkoocasý (Czech)	*Hipposideros curtus* G.M. Allen, 1921
pavrápenec Kyklop (Czech)	*Doryrhina cyclops* (Temminck, 1853)
pavrápenec natalský (Czech)	*Hipposideros caffer* (Sundevall, 1846)
pavrápenec nimbánský (Czech)	*Hipposideros lamottei* Brosset, 1985

Common Name	Taxon Name
pavrápenec obrovský (Czech)	*Macronycteris gigas* (Wagner, 1845)
pavrápenec sahelský (Czech)	*Hipposideros tephrus* (Cabrera, 1906)
pavrápenec sazový (Czech)	*Hipposideros fuliginosus* (Temminck, 1853)
pavrápenec trojzubcový (Czech)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
pavrápenec ušatý (Czech)	*Hipposideros megalotis* (Heuglin, 1861)
Peak-saddle Horseshoe Bat (English)	*Rhinolophus blasii* Peters, 1867
Pel's Pouched Bat (English)	*Saccolaimus peli* (Temminck, 1853)
Pels Taschenfledermaus (German)	*Saccolaimus peli* (Temminck, 1853)
Pemba Flying Fox (English)	*Pteropus voeltzkowi* Matschie, 1909
Pemba Flying-fox (English)	*Pteropus voeltzkowi* Matschie, 1909
Pemba vliegende hond (Dutch)	*Pteropus voeltzkowi* Matschie, 1909
Pemba-Flugfuchs (German)	*Pteropus voeltzkowi* Matschie, 1909
Percivals Kleinohr-Dreizackblattnase (German)	*Cloeotis percivali* Thomas, 1901
Percival's Short-eared Trident Bat (English)	*Cloeotis percivali* Thomas, 1901
Percival's Trident Bat (English)	*Cloeotis percivali* Thomas, 1901
Perforated Taphozous bat (English)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Pergamentflügel-Fledermäuse (German)	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Peters' Epaulettenflughund (German)	*Epomophorus crypturus* Peters, 1852
Peters' Flachkopf-Bulldoggfledermaus (German)	*Platymops setiger* (Peters, 1878)
Peters' Kleiner Epaulettenflughund (German)	*Micropteropus pusillus* (Peters, 1868)
Peters' Lesser Epauletted Fruit Bat (English)	*Micropteropus pusillus* (Peters, 1868)
Peters' Lesser Fruit-bat (English)	*Micropteropus pusillus* (Peters, 1868)
Peters se witkolvrugtevlermuis (Afrikaans)	*Epomophorus crypturus* Peters, 1852
Peter's Sheath-tailed Bat (English)	*Paremballonura atrata* (Peters, 1874)
Peter's Trident Bat (English)	*Triaenops afer* Peters, 1877
Peters' Wrinkle-lipped Bat (English)	*Mormopterus jugularis* (Peters, 1865)
Petersons Bulldoggfledermaus (German)	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
Peterson's Free-tailed Bat (English)	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
Petersons Langflügelfledermaus (German)	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Peterson's Long-fingered Bat (English)	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Peterson's Mops Bat (English)	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
Petersovi morousi (Czech)	*Mormopterus* Peters, 1865
Peters's Dwarf Epauletted Fruit Bat (English)	*Micropteropus pusillus* (Peters, 1868)
Peters's Epauletted Fruit Bat (English)	*Epomophorus crypturus* Peters, 1852
Peters's Flat-headed Bat (English)	*Platymops setiger* (Peters, 1878)
Peters's flat-headed Bats (English)	*Platymops* Thomas, 1906
Peters's Goblin bat (English)	*Mormopterus jugularis* (Peters, 1865)
Peters's Horseshoe Bat (English)	*Rhinolophus blasii* Peters, 1867
Peters's Sheath-tailed Bat (English)	*Paremballonura atrata* (Peters, 1874)
Peters's sheath-tailed bats (English)	*Coleura* Peters, 1867
Peters's Wrinkle-lipped Bat (English)	*Mormopterus jugularis* (Peters, 1865)
Peters-witkolvrugtevlermuis (Afrikaans)	*Epomophorus crypturus* Peters, 1852
Petit Epomophore (French)	*Epomophorus minimus* Claessen & De Vree, 1991
Petit épomophore (French)	*Epomophorus labiatus* (Temminck, 1837)
Petit Epomophore frugivore d'Angola (French)	*Epomophorus grandis* (Sanborn, 1950)
Petit Fer-à-Cheval (French)	*Rhinolophus hipposideros* (Bechstein, 1800)
Petit microptère (French)	*Micropteropus pusillus* (Peters, 1868)
Petit minioptère (French)	*Miniopterus fraterculus* Thomas and Schwann, 1906
Petit minioptère africain (French)	*Miniopterus minor* Peters, 1867
Petit minioptère malgache (French)	*Miniopterus manavi* Thomas, 1906
Petit molosse (French)	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Petit molosse à glandes caudales (French)	*Chaerephon pumilus* (Cretzschmar, 1826)
Petit molosse de Port Louis (French)	*Mormopterus acetabulosus* (Hermann, 1804)
Petit murin brun (French)	*Myotis tricolor* (Temminck, 1832)
Petit Myonyctère (French)	*Myonycteris torquata* (Dobson, 1878)
Petit Renard volant de Mascareignes (French)	*Pteropus subniger* (Kerr, 1792)
Petit renard volant de Mascarene (French)	*Pteropus subniger* (Kerr, 1792)
Petit Rhinolophe (French)	*Rhinolophus hipposideros* (Bechstein, 1800)
Petit rhinolophe fer à cheval (French)	*Rhinolophus hipposideros* (Bechstein, 1800)
Petit Rhinopome (French)	*Rhinopoma cystops* Thomas, 1903
Petit scotophile africain (French)	*Scotophilus viridis* (Peters, 1852)
Petite Chauve-souris frugivore à collier (French)	*Myonycteris torquata* (Dobson, 1878)
Petite Chauve-souris jaune des maisons (French)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Petite Chauve-souris laineuse (French)	*Kerivoula lanosa* (A. Smith, 1847)
Petite Noctule (French)	*Nyctalus leisleri* (Kuhl, 1817)
Petite tadaride (French)	*Chaerephon pumilus* (Cretzschmar, 1826)
Petite tadaride de Madagascar (French)	*Chaerephon leucogaster* (A. Grandidier, 1869)
Petite vache-volante (French)	*Nanonycteris veldkampii* (Jentink, 1888)
Petra fruit bat (English)	*Myonycteris angolensis petraea* (Bergmans, 1997)
Phantom-winged Bats (English)	*Mormopterus* Peters, 1865
Phyllorhine à petites oreilles (French)	*Cloeotis percivali* Thomas, 1901

Common Name	Taxon Name
Phyllorhine d'Aba (French)	*Hipposideros abae* J.A. Allen, 1917
Phyllorhine de Benito (French)	*Hipposideros beatus* (K. Andersen, 1906)
Phyllorhine de Cafrerie (French)	*Hipposideros caffer* (Sundevall, 1846)
Phyllorhine de Percival (French)	*Cloeotis percivali* Thomas, 1901
Phyllorhine de Sundevall (French)	*Hipposideros caffer* (Sundevall, 1846)
Phyllorhine fuligineux (French)	*Hipposideros fuliginosus* (Temminck, 1853)
Phyllorhines (French)	*Hipposideros* Gray, 1831
Phyllorine à grandes oreilles (French)	*Hipposideros megalotis* (Heuglin, 1861)
Phyllorine à grandes oreilles d'Ethiopie (French)	*Hipposideros megalotis* (Heuglin, 1861)
Phyllorine à queue courte (French)	*Hipposideros curtus* G.M. Allen, 1921
Phyllorine cendrée (French)	*Hipposideros tephrus* (Cabrera, 1906)
Phyllorine cyclope (French)	*Doryrhina cyclops* (Temminck, 1853)
Phyllorine d'Aellen (French)	*Hipposideros marisae* Aellen, 1954
Phyllorine d'Afrique occidentale (French)	*Hipposideros jonesi* Hayman, 1947
Phyllorine de Commerson (French)	*Macronycteris gigas* (Wagner, 1845)
Phyllorine de Commerson (French)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Phyllorine de Jones (French)	*Hipposideros jonesi* Hayman, 1947
Phyllorine de Lamotte (French)	*Hipposideros lamottei* Brosset, 1985
Phyllorine de Noack (French)	*Hipposideros ruber* (Noack, 1893)
Phyllorine d'Eisentraut (French)	*Hipposideros camerunensis* Eisentraut, 1956
Phyllorine des Cyclopes (French)	*Doryrhina cyclops* (Temminck, 1853)
Phyllorine du Cameroun (French)	*Hipposideros camerunensis* Eisentraut, 1956
Phyllorine du Mont Nimba (French)	*Hipposideros lamottei* Brosset, 1985
Phyllorine fuligineuse (French)	*Hipposideros fuliginosus* (Temminck, 1853)
Phyllorine naine (French)	*Hipposideros beatus* (K. Andersen, 1906)
Phyllorine rouge (French)	*Hipposideros ruber* (Noack, 1893)
Phyllorine sombre (French)	*Hipposideros fuliginosus* (Temminck, 1853)
Pied Bat (English)	*Glauconycteris superba* Hayman, 1939
Pied Butterfly Bat (English)	*Glauconycteris superba* Hayman, 1939
Piesangvlermuis (Afrikaans)	*Neoromicia nana* (Peters, 1852)
Pipistrel da Kuhl (Roman)	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrel da las alps (Roman)	*Hypsugo savii* (Bonaparte, 1837)
Pipistrel i Kuhl-it (Albanian)	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrel I Savi-it (Albanian)	*Hypsugo savii* (Bonaparte, 1837)
Pipistrel i zakonshem (Albanian)	*Pipistrellus pipistrellus* (Schreber, 1774)
Pipistrel muschin (Roman)	*Pipistrellus pygmaeus* (Leach, 1825)
Pipistrel nanin (Roman)	*Pipistrellus pipistrellus* (Schreber, 1774)
Pipistrelflagermus (Danish)	*Pipistrellus pipistrellus* (Schreber, 1774)
Pipistrell (Swedish)	*Pipistrellus pipistrellus* (Schreber, 1774)
Pipistrell (Maltese)	*Pipistrellus pipistrellus* (Schreber, 1774)
Pipistrell ta' Kuhl (Maltese)	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrelle à ailes blanches (French)	*Neoromicia tenuipinnis* (Peters, 1872)
Pipistrelle à grosse tête (French)	*Hypsugo crassulus* (Thomas, 1904)
Pipistrelle ariel (French)	*Hypsugo ariel* (Thomas, 1904)
Pipistrelle Bats (English)	*Pipistrellus* Kaup, 1829
Pipistrelle commune (French)	*Pipistrellus pipistrellus* (Schreber, 1774)
Pipistrelle d'Aellen (French)	*Pipistrellus inexspectatus* Aellen, 1959
Pipistrelle d'Afrique centrale (French)	*Pipistrellus inexspectatus* Aellen, 1959
Pipistrelle d'Afrique occidentale (French)	*Hypsugo musciculus* (Thomas, 1913)
Pipistrelle d'Anchieta (French)	*Hypsugo anchietae* (Seabra, 1900)
Pipistrelle de Grandidier (French)	*Pipistrellus grandidieri* (Dobson, 1876)
Pipistrelle de Guinée (French)	*Neoromicia guineensis* (Bocage, 1889)
Pipistrelle de Kuhl (French)	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrelle de Libye (French)	*Pipistrellus hanaki* Hulva and Benda, 2004
Pipistrelle de Madère (French)	*Pipistrellus maderensis* (Dobson, 1878)
Pipistrelle de Racey (French)	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Pipistrelle de Rendall (French)	*Neoromicia rendalli* (Thomas, 1889)
Pipistrelle de Rueppel (French)	*Pipistrellus rueppellii* (Fischer, 1829)
Pipistrelle de Rüppell (French)	*Pipistrellus rueppellii* (Fischer, 1829)
Pipistrelle de Savi (French)	*Hypsugo savii* (Bonaparte, 1837)
Pipistrelle de Somalie (French)	*Neoromicia somalica* (Thomas, 1901)
Pipistrelle de Tanzanie (French)	*Pipistrellus permixtus* Aellen, 1957
Pipistrelle d'Eisentraut (French)	*Hypsugo eisentrauti* (Hill, 1968)
Pipistrelle des Melcks (French)	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Pipistrelle du Kenya (French)	*Pipistrellus aero* Heller, 1912
Pipistrelle du Miombo (French)	*Hypsugo anchietae* (Seabra, 1900)
Pipistrelle géante (French)	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrelle hespéride (French)	*Pipistrellus hesperidus* (Temminck, 1840)
Pipistrelle jaune (French)	*Neoromicia flavescens* (Seabra, 1900)
Pipistrelle minuscule (French)	*Pipistrellus nanulus* Thomas, 1904
Pipistrelle murine (French)	*Hypsugo musciculus* (Thomas, 1913)

Common Name	Taxon Name
Pipistrelle naine (French)	*Neoromicia nana* (Peters, 1852)
Pipistrelle naine aux ailes brunes (French)	*Neoromicia nana* (Peters, 1852)
Pipistrelle pygmée (French)	*Pipistrellus pygmaeus* (Leach, 1825)
Pipistrelle rouille (French)	*Pipistrellus rusticus* (Tomes, 1861)
Pipistrelle rustique (French)	*Pipistrellus rusticus* (Tomes, 1861)
Pipistrelle soleil (French)	*Neoromicia helios* (Heller, 1912)
Pipistrelle soprane (French)	*Pipistrellus pygmaeus* (Leach, 1825)
Pipistrelle zouloue (French)	*Neoromicia zuluensis* (Roberts, 1924)
Pipistrellen (German)	*Pipistrellus* Kaup, 1829
Pipistrelles (English)	*Pipistrellus* Kaup, 1829
Pipistrelles (French)	*Pipistrellus* Kaup, 1829
Pipistrèlli (Italian)	*CHIROPTERA* Blumenbach, 1779
Pipistrèlli (Italian)	*Pipistrellus* Kaup, 1829
Pipistrèlli a códa di tòpo (Italian)	*RHINOPOMATIDAE* Dobson, 1872
Pipistrèlli délle tómbe (Italian)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Pipistrello albolimbato (Italian)	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrèllo capènse (Italian)	*Neoromicia capensis* (A. Smith, 1829)
Pipistrèllo carlìno (Italian)	*Mops* Lesson, 1842
Pipistrello de Kühli (Italian)	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrèllo di Eisentràut (Italian)	*Hypsugo eisentrauti* (Hill, 1968)
Pipistrèllo di Hèller (Italian)	*Neoromicia helios* (Heller, 1912)
Pipistrèllo di Peters (Italian)	*Neoromicia tenuipinnis* (Peters, 1872)
Pipistrèllo di Pèters (Italian)	*Neoromicia nana* (Peters, 1852)
Pipistrèllo di Rèndall (Italian)	*Neoromicia rendalli* (Thomas, 1889)
Pipistrèllo di Rùppell (Italian)	*Pipistrellus rueppellii* (Fischer, 1829)
Pipistrello di Savi (Italian)	*Hypsugo savii* (Bonaparte, 1837)
Pipistrèllo giallàstro (Italian)	*Neoromicia flavescens* (Seabra, 1900)
Pipistrèllo guineàno (Italian)	*Neoromicia guineensis* (Bocage, 1889)
Pipistrello nano (Italian)	*Pipistrellus pipistrellus* (Schreber, 1774)
Pipistrèllo nàno déi banàni (Italian)	*Neoromicia nana* (Peters, 1852)
Pipistrello pigmeo (Italian)	*Pipistrellus pygmaeus* (Leach, 1825)
Pipistrèllo rugginóso (Italian)	*Pipistrellus rusticus* (Tomes, 1861)
Pipistrèllo seràle (Italian)	*Pipistrellus hesperidus* (Temminck, 1840)
Pipistrèllo sòmalo (Italian)	*Neoromicia somalica* (Thomas, 1901)
Pipistrello soprano (Italian)	*Pipistrellus pygmaeus* (Leach, 1825)
Pipistrelo (Spanish (Castillian))	*Hypsugo crassulus* (Thomas, 1904)
Pipistrelo (Spanish (Castillian))	*Pipistrellus nanulus* Thomas, 1904
Pipistrelo Enano; Yao:: Liputiputi (applied to all small bats) (Spanish (Castillian))	*Neoromicia nana* (Peters, 1852)
Pipistrelo madeiar (Basque)	*Pipistrellus maderensis* (Dobson, 1878)
pisze denevér (Hungarian)	*Barbastella barbastellus* (Schreber, 1774)
Piszedenevér (Hungarian)	*Barbastella barbastellus* (Schreber, 1774)
Pita-ohiki-koumori (Japanese)	*Mormopterus jugularis* (Peters, 1865)
Plain-faced Bats (English)	*VESPERTILIONIDAE* Gray, 1821
Platicarlìni (Italian)	*Platymops* Thomas, 1906
Platkop-losstertvlermuis (Afrikaans)	*Sauromys petrophilus* (Roberts, 1917)
plaví kaloni (Czech)	*Eidolon* Rafinesque, 1815
Plérote d'Anchieta (French)	*Plerotes anchietae* (Seabra, 1900)
Plerote Fruit-bats (English)	*Plerotes* K. Andersen, 1910
Plérotes (French)	*Plerotes* K. Andersen, 1910
Plerotes Fruit-bats (English)	*Plerotes* K. Andersen, 1910
pletušanové (Czech)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
ploší morousi (Czech)	*Platymops* Thomas, 1906
pochvorep buldočí (Czech)	*Coleura afra* (Peters, 1852)
pochvorep madagaskarský (Czech)	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
pochvorep seychelský (Czech)	*Coleura seychellensis* Peters, 1868
pochvorepovití (Czech)	*EMBALLONURIDAE* Gervais, 1855
podkováček (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
podkováčkové (Czech)	*Rhinolophus* Lacépède, 1799
Podkovár malý (Slovakian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Podkovár vel'ky (Slovakian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
podkováček (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
podkowcowate (Polish)	*RHINOLOPHIDAE* Gray, 1825
podkowiec duzy (Polish)	*Rhinolophus ferrumequinum* (Schreber, 1774)
podkowiec maly (Polish)	*Rhinolophus hipposideros* (Bechstein, 1800)
podvečerníkové (Czech)	*Eptesicus* Rafinesque, 1820
Pohle's Fruit Bat (English)	*Casinycteris ophiodon* (Pohle, 1943)
Pohles Harlekin-Flughund (German)	*Casinycteris ophiodon* (Pohle, 1943)
Pohle's Harlequin Fruit-bat (English)	*Casinycteris ophiodon* (Pohle, 1943)
Pohle's Tear-drop Fruit-bat (English)	*Casinycteris ophiodon* (Pohle, 1943)
Popo (Swahili)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Pouched Bats (English)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Pouched Bats (English)	*Saccolaimus* Temminck, 1838

Common Name	Taxon Name
praví hrobkovci (Czech)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
praví kaloni (Czech)	*Pteropus* Erxleben, 1777
praví morousi (Czech)	*Molossinae* Gervais, 1856
praví netopýři (Czech)	*Vespertilioninae* Gray, 1821
praví pavrápenci (Czech)	*Hipposideros* Gray, 1831
praví ušani (ušanové (Czech)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
praví vlnouškové (Czech)	*Kerivoula* Gray, 1842
Prétopodidés (French)	*PTEROPODIDAE* Gray, 1821
Pseudo-vampire à nez en cœur (French)	*Cardioderma cor* (Peters, 1872)
psi noční (Czech)	*Rousettus* Gray, 1821
psohubec myšowý (Czech)	*Tadarida teniotis* (Rafinesque, 1814)
ptákossavci (Czech)	*CHIROPTERA* Blumenbach, 1779
Ptèropi fantasrna (Italian)	*Eidolon* Rafinesque, 1815
Ptèropo fantàsma paglierìno (Italian)	*Eidolon helvum* (Kerr, 1792)
Pteropòdidi; Pteròpidi (Italian)	*PTEROPODIDAE* Gray, 1821
Pügmee-nahkhiir (Estonian)	*Pipistrellus pygmaeus* (Leach, 1825)
pustinní ušani (Czech)	*Otonycteris* Peters, 1859
Pygmy pipistrelle bat (English)	*Pipistrellus pygmaeus* (Leach, 1825)
Pygmy Pipistrellus (English)	*Hypsugo ariel* (Thomas, 1904)
pyložraví kaloni (Czech)	*Plerotes* K. Andersen, 1910
rýhonos štětinatý (Czech)	*Nycteris hispida* (Schreber, 1774)
rýhonos drobný (Czech)	*Nycteris nana* (K. Andersen, 1912)
rýhonos egyptský (Czech)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
rýhonos guinejský (Czech)	*Nycteris arge* Thomas, 1903
rýhonos jihoafrický (Czech)	*Nycteris woodi* K. Andersen, 1914
rýhonos kamerunský (Czech)	*Nycteris major* (K. Andersen, 1912)
rýhonos madagaskarský (Czech)	*Nycteris madagascariensis* G. Grandidier, 1937
rýhonos mosambický (Czech)	*Nycteris vinsoni* Dalquest, 1965
rýhonos prostřední (Czech)	*Nycteris intermedia* Aellen, 1959
rýhonos somálský (Czech)	*Nycteris parisii* (de Beaux, 1924)
rýhonos východoafrický (Czech)	*Nycteris aurita* (K. Andersen, 1912)
rýhonos velký (Czech)	*Nycteris grandis* Peters, 1865
rýhonos velkouchý (Czech)	*Nycteris macrotis* Dobson, 1876
rýhonos západoafrický (Czech)	*Nycteris gambiensis* (K. Andersen, 1912)
rýhonosi (Czech)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
rýhonosovití (Czech)	*NYCTERIDAE* Van der Hoeven, 1855
Raceys Pipistrelle (German)	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Racey's Pipistrelle Bat (English)	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Raceys Zwergfledermaus (German)	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Railer Bat (English)	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Railer Mops Bat (English)	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Rainforest House Bat (English)	*Scotophilus nucella* Robbins, 1983
Raniak obrovský (Slovakian)	*Nyctalus lasiopterus* (Schreber, 1780)
Rat penat cuallarg (Catalonian (Spain))	*Tadarida teniotis* (Rafinesque, 1814)
Rat penat de bigotis (Catalonian (Spain))	*Myotis mystacinus* (Kuhl, 1817)
Rat penat de bosc (Catalonian (Spain))	*Barbastella barbastellus* (Schreber, 1774)
Rat penat de cova (Catalonian (Spain))	*Miniopterus schreibersii* (Kuhl, 1817)
Rat penat de Madeira (Catalonian (Spain))	*Pipistrellus maderensis* (Dobson, 1878)
Rat penat de peus grans (Catalonian (Spain))	*Myotis capaccinii* (Bonaparte, 1837)
Rat penat de vores clares (Catalonian (Spain))	*Pipistrellus kuhlii* (Kuhl, 1817)
Rat penat gran de ferradura (Catalonian (Spain))	*Rhinolophus ferrumequinum* (Schreber, 1774)
Rat penat mediterrani de ferradura (Catalonian (Spain))	*Rhinolophus euryale* Blasius, 1853
Rat penat mitjá de ferradura (Catalonian (Spain))	*Rhinolophus mehelyi* Matschie, 1901
Rat penat muntanyero (Catalonian (Spain))	*Hypsugo savii* (Bonaparte, 1837)
Rat penat nóctul gran (Catalonian (Spain))	*Nyctalus lasiopterus* (Schreber, 1780)
Rat penat nóctul petit (Catalonian (Spain))	*Nyctalus leisleri* (Kuhl, 1817)
Rat penat orellut canari (Catalonian (Spain))	*Plecotus teneriffae* Barrett-Hamilton, 1907
Rat penat petit de ferradura (Catalonian (Spain))	*Rhinolophus hipposideros* (Bechstein, 1800)
Ratapinyada de cova (Catalonian (Spain))	*Miniopterus schreibersii* (Kuhl, 1817)
Ratapinyada gran de ferradura (Catalonian (Spain))	*Rhinolophus ferrumequinum* (Schreber, 1774)
Ratapinyada mediterrània de ferradura (Catalonian (Spain))	*Rhinolophus euryale* Blasius, 1853
Ratapinyada muntayenca (Catalonian (Spain))	*Hypsugo savii* (Bonaparte, 1837)
Ratapinyada petita de ferradura (Catalonian (Spain))	*Rhinolophus hipposideros* (Bechstein, 1800)
Rat-tailed Bat (English)	*Rhinopoma microphyllum* (Brünnich, 1782)
Rauhaarschlitznase (German)	*Nycteris hispida* (Schreber, 1774)
Red Flying Fox (English)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Red Leaf-nosed Bat (English)	*Hipposideros ruber* (Noack, 1893)
Red Madagascan Trident Bat (English)	*Triaenops menamena* Goodman and Ranivo, 2009
Relict Collared Fruit-bat (English)	*Myonycteris relicta* Bergmans, 1980
Reliktärer Halskrausen-Flughund (German)	*Myonycteris relicta* Bergmans, 1980
Renard volant d'Aldabra (French)	*Pteropus aldabrensis* True, 1893

Common Name	Taxon Name
Renard volant de l'île de Mascarene (French)	*Pteropus niger* (Kerr, 1792)
Renard Volant de l'île de Rodriguez (French)	*Pteropus rodricensis* Dobson, 1878
Renard volant de Madagascar (French)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Renard volant de Maurice (French)	*Pteropus niger* (Kerr, 1792)
Renard volant de Pemba (French)	*Pteropus voeltzkowi* Matschie, 1909
Renard volant de Rodrigues (French)	*Pteropus rodricensis* Dobson, 1878
Renard volant des Comores (French)	*Pteropus livingstonii* Gray, 1866
Renard volant des Mascaraignes (French)	*Pteropus niger* (Kerr, 1792)
Renard volant des Seychelles (French)	*Pteropus seychellensis* A. Milne-Edwards, 1877
Renard volant malgache (French)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Renard volant noir (French)	*Pteropus livingstonii* Gray, 1866
Renard volant roux (French)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Renards volants (French)	*Pteropus* Erxleben, 1777
Rendal-dakvlermuis (Afrikaans)	*Neoromicia rendalli* (Thomas, 1889)
Rendall se dakvlermuis (Afrikaans)	*Neoromicia rendalli* (Thomas, 1889)
Rendalls Pipistrelle (German)	*Neoromicia rendalli* (Thomas, 1889)
Rendall's Pipistrelle (English)	*Neoromicia rendalli* (Thomas, 1889)
Rendall's Pipistrelle Bat (English)	*Neoromicia rendalli* (Thomas, 1889)
Rendall's Serotine (English)	*Neoromicia rendalli* (Thomas, 1889)
Rendall's Serotine Bat (English)	*Neoromicia rendalli* (Thomas, 1889)
Rendalls Zwergfledermaus (German)	*Neoromicia rendalli* (Thomas, 1889)
Reunion Free-tailed bat (English)	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Reunion Mastino-Fledermaus (German)	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Réunion-Hausfledermaus (German)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Reuse losstertvlermuis (Afrikaans)	*Tadarida ventralis* (Heuglin, 1861)
Rhinolophe à selle pointue (French)	*Rhinolophus blasii* Peters, 1867
Rhinolophe Alcyon (French)	*Rhinolophus alcyone* Temminck, 1853
Rhinolophe d'Afrique du Sud (French)	*Rhinolophus capensis* Lichtenstein, 1823
Rhinolophe d'Afrique orientale (French)	*Rhinolophus deckenii* Peters, 1868
Rhinolophe de Blasius (French)	*Rhinolophus blasii* Peters, 1867
Rhinolophe de brousse (French)	*Rhinolophus simulator* K. Andersen, 1904
Rhinolophe de Cafrerie (French)	*Hipposideros caffer* (Sundevall, 1846)
Rhinolophe de Cafrerie (French)	*Hipposideros tephrus* (Cabrera, 1906)
Rhinolophe de Cretzschmar (French)	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophe de Darling (French)	*Rhinolophus darlingi* K. Andersen, 1905
Rhinolophe de Decken (French)	*Rhinolophus deckenii* Peters, 1868
Rhinolophe de Dent (French)	*Rhinolophus denti* Thomas, 1904
Rhinolophe de Geoffroy (French)	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophe de Guinée (French)	*Rhinolophus guineensis* Eisentraut, 1960
Rhinolophe de Hill (French)	*Rhinolophus hilli* Aellen, 1973
Rhinolophe de Lander (French)	*Rhinolophus landeri* Martin, 1838
Rhinolophe de Lofa (French)	*Rhinolophus hillorum* Koopman, 1989
Rhinolophe de MacLaud (French)	*Rhinolophus maclaudi* Pousargues, 1898
Rhinolophe de Méhely (French)	*Rhinolophus mehelyi* Matschie, 1901
Rhinolophe de Roumanie (French)	*Rhinolophus mehelyi* Matschie, 1901
Rhinolophe de Rüppell (French)	*Rhinolophus fumigatus* Rüppell, 1842
Rhinolophe de Sakeji (French)	*Rhinolophus sakejiensis* Cotterill, 2002
Rhinolophe de Swinny (French)	*Rhinolophus swinnyi* Gough, 1908
Rhinolophe de Tanga (French)	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
Rhinolophe des forêts (French)	*Rhinolophus mehelyi* Matschie, 1901
Rhinolophe d'Halcyon (French)	*Rhinolophus alcyone* Temminck, 1853
Rhinolophe d'Hildebrandt (French)	*Rhinolophus hildebrandtii* Peters, 1878
Rhinolophe du Bushveld (French)	*Rhinolophus simulator* K. Andersen, 1904
Rhinolophe du Cap (French)	*Rhinolophus capensis* Lichtenstein, 1823
Rhinolophe du Congo (French)	*Rhinolophus adami* Aellen and Brosset, 1968
Rhinolophe du Ruwenzori (French)	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
Rhinolophe du Sénégal (French)	*Rhinolophus guineensis* Eisentraut, 1960
Rhinolophe du Veld (French)	*Rhinolophus simulator* K. Andersen, 1904
Rhinolophe du Ziama (French)	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
Rhinolophe éloquent (French)	*Rhinolophus eloquens* K. Andersen, 1905
Rhinolophe euryale (French)	*Rhinolophus euryale* Blasius, 1853
Rhinolophe sylvestre (French)	*Rhinolophus silvestris* Aellen, 1959
Rhinolophe trident (French)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Rhinolophes (French)	*Rhinolophus* Lacépède, 1799
Rhinolophes (French)	*RHINOLOPHIDAE* Gray, 1825
Rhinolophidés (French)	*RHINOLOPHIDAE* Gray, 1825
Rhinolophos i megali (Hungarian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Rhinolophos i mehelios (Hungarian)	*Rhinolophus euryale* Blasius, 1853
Rhinolophos i mikra (Hungarian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Rhinopòma (Italian)	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818

Common Name	Taxon Name
Rhinopòma àfro-ovestasiàtico (Italian)	*Rhinopoma cystops* Thomas, 1903
Rhinopoma moyen (French)	*Rhinopoma cystops* Thomas, 1903
Rhinopomatidés (French)	*RHINOPOMATIDAE* Dobson, 1872
Rhinopome de Hardwicke (French)	*Rhinopoma cystops* Thomas, 1903
Rhinopome de MacInnes (French)	*Rhinopoma macinnesi* Hayman, 1937
Rhinopome microphylle (French)	*Rhinopoma microphyllum* (Brünnich, 1782)
Rhinopomes (French)	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Rhinopomes (French)	*RHINOPOMATIDAE* Dobson, 1872
Ridi šišmiš (Croatian)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Riesen Abendsegler (German)	*Nyctalus lasiopterus* (Schreber, 1780)
Riesenabendsegler (German)	*Nyctalus lasiopterus* (Schreber, 1780)
Riesen-Bulldoggfledermäuse (German)	*Otomops* Thomas, 1913
Riesen-Hausfledermaus (German)	*Scotophilus nigrita* (Schreber, 1774)
Riesen-Rundblattnase (German)	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Riesen-Rundblattnase (German)	*Macronycteris gigas* (Wagner, 1845)
Rinòlofi (Italian)	*Rhinolophus* Lacépède, 1799
Rinolòfidi (Italian)	*RHINOLOPHIDAE* Gray, 1825
Rinòlofo affumicàto (Italian)	*Rhinolophus fumigatus* Rüppell, 1842
Rinolofo de Blasius (Spanish (Castillian))	*Rhinolophus blasii* Peters, 1867
Rinòlofo di Blàsius (Italian)	*Rhinolophus blasii* Peters, 1867
Rinòlofo di Cretzschrnar (Italian)	*Rhinolophus clivosus* Cretzschmar, 1828
Rinòlofo di Dècken (Italian)	*Rhinolophus deckenii* Peters, 1868
Rinòlofo di Hildebrandt; Fèrro di cavàllo di Hildebrandt (Italian)	*Rhinolophus hildebrandtii* Peters, 1878
Rinòlofo di Lànder (Italian)	*Rhinolophus landeri* Martin, 1838
Rinolofo di Méhely (Italian)	*Rhinolophus mehelyi* Matschie, 1901
Rinolofo egipcio (Spanish (Castillian))	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Rinòlofo eloquènte (Italian)	*Rhinolophus eloquens* K. Andersen, 1905
Rinolofo Eurìale (Italian)	*Rhinolophus euryale* Blasius, 1853
Rinolofo grande de herradura (Spanish (Castillian))	*Rhinolophus ferrumequinum* (Schreber, 1774)
Rinolofo maggiore (Italian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Rinolofo mediano de herradura (Spanish (Castillian))	*Rhinolophus mehelyi* Matschie, 1901
Rinolofo mediterraneao de herradura (Spanish (Castillian))	*Rhinolophus euryale* Blasius, 1853
Rinòlofo minóre (Italian)	*Rhinolophus hipposideros* (Bechstein, 1800)
Rinolofo pequeño de herradura (Spanish (Castillian))	*Rhinolophus hipposideros* (Bechstein, 1800)
Rinòlofo sirnulatóre (Italian)	*Rhinolophus simulator* K. Andersen, 1904
Rinolophos i mesogiaki (Hungarian)	*Rhinolophus euryale* Blasius, 1853
Rinopòma di MacÌnnes (Italian)	*Rhinopoma macinnesi* Hayman, 1937
Rinopòma microfìllo (Italian)	*Rhinopoma microphyllum* (Brünnich, 1782)
Rinopormàtidi (Italian)	*RHINOPOMATIDAE* Dobson, 1872
Robbins Hausfledermaus (German)	*Scotophilus nucella* Robbins, 1983
Robbin's House Bat (English)	*Scotophilus nucella* Robbins, 1983
Robbins's House Bat (English)	*Scotophilus nucella* Robbins, 1983
Robbins's Yellow Bat (English)	*Scotophilus nucella* Robbins, 1983
Roberts' Flachkopf-Bulldoggfledermaus (German)	*Sauromys petrophilus* (Roberts, 1917)
Roberts' Flat-headed Bat (English)	*Sauromys petrophilus* (Roberts, 1917)
Roberts Zwergfledermaus (German)	*Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012
Roberts's Flat-headed Bat (English)	*Sauromys petrophilus* (Roberts, 1917)
Robust Yellow Bat (English)	*Scotophilus robustus* A. Milne-Edwards, 1881
Rock-dwelling Flat-headed Bat (English)	*Sauromys petrophilus* (Roberts, 1917)
Rock-loving Flat-headed Bat (English)	*Sauromys petrophilus* (Roberts, 1917)
Rodrigues Flying Fox (English)	*Pteropus rodricensis* Dobson, 1878
Rodrigues-Flugfuchs (German)	*Pteropus rodricensis* Dobson, 1878
Rodriguez Flying Fox (English)	*Pteropus rodricensis* Dobson, 1878
Rodriguez vliegende hond (Dutch)	*Pteropus rodricensis* Dobson, 1878
Rodriguez-Flughund (German)	*Pteropus rodricensis* Dobson, 1878
Roeskleurvlermuis (Afrikaans)	*Pipistrellus rusticus* (Tomes, 1861)
Rooi langhaarvlermuis (Afrikaans)	*Myotis bocagii* (Peters, 1870)
Rosevears Zwergfledermaus (German)	*Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013
Rossétti (Italian)	*Rousettus* Gray, 1821
Rossétto dél Nìlo (Italian)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Rossétto egizìano (Italian)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Rostfarbene Bulldoggfledermaus (German)	*Chaerephon russatus* J.A. Allen, 1917
Rostfarbene Pipistrelle (German)	*Pipistrellus rusticus* (Tomes, 1861)
Rostfarbene Zwergfledermaus (German)	*Pipistrellus rusticus* (Tomes, 1861)
rothbraune Doggengrämler (German)	*Tadarida ventralis* (Heuglin, 1861)
Rothen Kamnase (German)	*Rhinolophus alcyone* Temminck, 1853
Rötliche Dreizahn-Blattnase (German)	*Triaenops menamena* Goodman and Ranivo, 2009
Rougette (French)	*Pteropus subniger* (Kerr, 1792)
Roundleaf Bats (English)	*Hipposideros* Gray, 1831
Rousette Fruit-bats (English)	*Rousettus* Gray, 1821

Common Name	Taxon Name
Rousettes (English)	*Rousettus* Gray, 1821
Roussette à collet rouge (French)	*Pteropus subniger* (Kerr, 1792)
Roussette à épaulettes d'Angola (French)	*Epomophorus angolensis* Gray, 1870
Roussette à épaulettes de Peters (French)	*Epomophorus crypturus* Peters, 1852
Roussette à épaulettes de Wahlberg (French)	*Epomophorus wahlbergi* (Sundevall, 1846)
Roussette à long poils du Ruwenzori (French)	*Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)
Roussette à longs poils (French)	*Stenonycteris lanosus* (Thomas, 1906)
Roussette à longs poils (French)	*Myonycteris angolensis* (Bocage, 1898)
Roussette à petit palais (French)	*Casinycteris argynnis* Thomas, 1910
Roussette d'Angola (French)	*Myonycteris angolensis* (Bocage, 1898)
Roussette de Bocage (French)	*Myonycteris angolensis* (Bocage, 1898)
Roussette de Buettikofer (French)	*Epomops buettikoferi* (Matschie, 1899)
Roussette de Büttikofer (French)	*Epomops buettikoferi* (Matschie, 1899)
Roussette de Dobson (French)	*Epomophorus dobsonii* Bocage, 1889
Roussette de Franquet (French)	*Epomops franqueti* (Tomes, 1860)
Roussette de Madagascar (French)	*Rousettus madagascariensis* G. Grandidier, 1929
Roussette de Pohle (French)	*Casinycteris ophiodon* (Pohle, 1943)
Roussette de Zenker (French)	*Scotonycteris zenkeri* Matschie, 1894
Roussette d'Egypte (French)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Roussette des Comores (French)	*Rousettus obliviosus* Kock, 1978
Roussette des palmiers africaine (French)	*Eidolon helvum* (Kerr, 1792)
Roussette des palmiers malgache (French)	*Eidolon dupreanum* (Schegel, 1867)
Roussette des Seychelles (French)	*Pteropus seychellensis* A. Milne-Edwards, 1877
Roussette du Kenya (French)	*Myonycteris relicta* Bergmans, 1980
Roussette du Ruwenzori (French)	*Stenonycteris lanosus* (Thomas, 1906)
Roussette egyptienne (French)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Roussette foncée (French)	*Pteropus subniger* (Kerr, 1792)
Roussette jaune (French)	*Eidolon helvum* (Kerr, 1792)
Roussette jaune de Madagascar (French)	*Eidolon dupreanum* (Schegel, 1867)
Roussette labiaire (French)	*Epomophorus labiatus* (Temminck, 1837)
Roussette labiée (French)	*Epomophorus labiatus* (Temminck, 1837)
Roussette malgache couleur paille (French)	*Eidolon dupreanum* (Schegel, 1867)
Roussette naine de Hayman (French)	*Micropteropus intermedius* Hayman, 1963
Roussette naine de Peters (French)	*Micropteropus pusillus* (Peters, 1868)
Roussette naine de Veldkamp (French)	*Nanonycteris veldkampii* (Jentink, 1888)
Roussette noire (French)	*Pteropus niger* (Kerr, 1792)
Roussette paillée (French)	*Eidolon helvum* (Kerr, 1792)
Roussette rougeâtre (French)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Roussettes (French)	*Rousettus* Gray, 1821
Roussettes à collier (French)	*Myonycteris* Matschie, 1899
Roussettes des palmiers (French)	*Eidolon* Rafinesque, 1815
Roussettes géantes (French)	*Pteropus* Erxleben, 1777
Roussettes naines (French)	*Nanonycteris* Matschie, 1899
Rudawka nilowa (Polish)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Rufous Hairy Bat (English)	*Myotis bocagii* (Peters, 1870)
Rufous Mouse-eared bat (English)	*Myotis bocagii* (Peters, 1870)
Rufous Mouse-eared Myotis (English)	*Myotis bocagii* (Peters, 1870)
Rufous Trident Bat (English)	*Triaenops menamena* Goodman and Ranivo, 2009
Rundbladneser (Norwegian)	*HIPPOSIDERIDAE* Lydekker, 1891
Rundblattnasen (German)	*HIPPOSIDERIDAE* Lydekker, 1891
Rundlappigen Kammnase (German)	*Rhinolophus landeri* Martin, 1838
Rüppell se saalneusvlermuis (Afrikaans)	*Rhinolophus fumigatus* Rüppell, 1842
Rüppell se vlermuis (Afrikaans)	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppell's Bat (English)	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppells dwergvleermuis (Dutch)	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppell's Horseshoe Bat (English)	*Rhinolophus fumigatus* Rüppell, 1842
Rüppells Hufeisennase (German)	*Rhinolophus fumigatus* Rüppell, 1842
Rüppells Hufeisennase (German)	*Rhinolophus fumigatus* Rüppell, 1842
Ruppell's Pipistrelle (English)	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppells Pipistrelle (German)	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppells Zwergfledermaus (German)	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppell-saalneusvlermuis (Afrikaans)	*Rhinolophus fumigatus* Rüppell, 1842
Rüppell-vlermuis (Afrikaans)	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppel's Pipistrelle (English)	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppel's Pipistrelle Bat (English)	*Pipistrellus rueppellii* (Fischer, 1829)
Ruseta de Angola (Spanish (Castillian))	*Myonycteris angolensis* (Bocage, 1898)
Ruseta Egipicia (Spanish (Castillian))	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Russbraunen Kamnase (German)	*Rhinolophus capensis* Lichtenstein, 1823
Russet Free-tailed Bat (English)	*Chaerephon russatus* J.A. Allen, 1917
Russet Wrinkle-lipped bat (English)	*Chaerephon russatus* J.A. Allen, 1917
Rußfarbene Rundblattnase (German)	*Hipposideros fuliginosus* (Temminck, 1853)
Rusty Bat (English)	*Pipistrellus rusticus* (Tomes, 1861)
Rusty Pipistrelle (English)	*Pipistrellus rusticus* (Tomes, 1861)
Rusty Pipistrelle Bat (English)	*Pipistrellus rusticus* (Tomes, 1861)

Common Name	Taxon Name
Ruwenzori Horseshoe bat (English)	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
Ruwenzori Long-haired rousette (English)	*Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)
Ruwenzori Long-haired Rousette (English)	*Stenonycteris lanosus* (Thomas, 1906)
Ruwenzori-Hufeisennase (German)	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
Saccolaime (French)	*Saccolaimus* Temminck, 1838
Saccolaime de Pel (French)	*Saccolaimus peli* (Temminck, 1853)
Sackfledermaus (German)	*Miniopterus* Bonaparte, 1837
Sackflügel-Fledermäuse (German)	*EMBALLONURIDAE* Gervais, 1855
Sac-winged Bats (English)	*EMBALLONURIDAE* Gervais, 1855
Saguzar (Basque)	*Pipistrellus pipistrellus* (Schreber, 1774)
Saguzar biboteduna (Basque)	*Myotis mystacinus* (Kuhl, 1817)
Saguzar buztanluzea (Basque)	*Tadarida teniotis* (Rafinesque, 1814)
Saguzar hankahandia (Basque)	*Myotis capaccinii* (Bonaparte, 1837)
Sakeji Horseshoe bat (English)	*Rhinolophus sakejiensis* Cotterill, 2002
Sakeji-Hufeisennase (German)	*Rhinolophus sakejiensis* Cotterill, 2002
Samburu Pipistrelle Bat (English)	*Neoromicia helios* (Heller, 1912)
Samburu-Pipistrelle (German)	*Neoromicia helios* (Heller, 1912)
Samburu-Zwergfledermaus (German)	*Neoromicia helios* (Heller, 1912)
Samtfell-Flughunde (German)	*Myonycteris* Matschie, 1899
Sanborn's Epauletted Fruit-bat (English)	*Epomophorus grandis* (Sanborn, 1950)
Sanborns Epaulettenflughund (German)	*Epomophorus grandis* (Sanborn, 1950)
Sao Thome Langflügelfledermaus (German)	*Miniopterus newtoni* Bocage, 1889
Sao Thome Long-fingered bat (English)	*Miniopterus newtoni* Bocage, 1889
Sao Tomé Collared Fruit Bat (English)	*Myonycteris brachycephala* (Bocage, 1889)
São Tomé Free-tailed Bat (English)	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
São Tomé-Bulldoggfledermaus (German)	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
saukušan (Czech)	*Barbastella barbastellus* (Schreber, 1774)
saukušanové (Czech)	*Barbastella* Gray, 1821
Sauromys (French)	*Sauromys* Roberts, 1917
Sauromys à jugulaire (French)	*Mormopterus jugularis* (Peters, 1865)
Sauromys à tête plate (French)	*Platymops setiger* (Peters, 1878)
Sauromys de Peters (French)	*Mormopterus jugularis* (Peters, 1865)
Sauromys de Roberts (French)	*Sauromys petrophilus* (Roberts, 1917)
Sauromys du Natal (French)	*Mormopterus acetabulosus* (Hermann, 1804)
Savi saguzarra (Basque)	*Hypsugo savii* (Bonaparte, 1837)
Saviev Liljak (Macedonian)	*Hypsugo savii* (Bonaparte, 1837)
Savir Chamchika (Bengali)	*Hypsugo savii* (Bonaparte, 1837)
Savi's dwergvleermuis (Dutch)	*Hypsugo savii* (Bonaparte, 1837)
Savi's Pipistrelle (English)	*Hypsugo savii* (Bonaparte, 1837)
Savi's Pipistrelle Bat (English)	*Hypsugo savii* (Bonaparte, 1837)
Schedestaartvleermuizen (Dutch)	*EMBALLONURIDAE* Gervais, 1855
Schiebeschwanz-Fledermäuse (German)	*Coleura* Peters, 1867
Schlangenzähniger Harlekin-Flughund (German)	*Casinycteris ophiodon* (Pohle, 1943)
Schlieffen se vlermuis (Afrikaans)	*Nycticeinops schlieffenii* (Peters, 1859)
Schlieffenovi netopýři (Czech)	*Nycticeinops* Hill & Harrison, 1987
Schlieffens Abendfledermaus (German)	*Nycticeinops schlieffenii* (Peters, 1859)
Schlieffen's Bat (English)	*Nycticeinops schlieffenii* (Peters, 1859)
Schlieffen's Twilight Bat (English)	*Nycticeinops schlieffenii* (Peters, 1859)
Schlieffens vleermuis (Dutch)	*Nycticeinops schlieffenii* (Peters, 1859)
Schlieffen-vlermuis (Afrikaans)	*Nycticeinops schlieffenii* (Peters, 1859)
Schliemanns Haftscheibenfledermaus (German)	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
Schliemann's Sucker-footed Bat (English)	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
Schlitznasen (German)	*NYCTERIDAE* Van der Hoeven, 1855
Schlitznasen (German)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Schlitznasenfledermäuse (German)	*NYCTERIDAE* Van der Hoeven, 1855
Schlitznasen-Fledermäuse (German)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Schlitznasen-Fledermäuse (German)	*NYCTERIDAE* Van der Hoeven, 1855
Schmalflügel-Fledermäuse (German)	*Mimetillus* Thomas, 1904
Schmetterlingsfledermäuse (German)	*Glauconycteris* Dobson, 1875
Schoudervlekkalong (Dutch)	*Pteropus livingstonii* Gray, 1866
Schreber's Brown Bat (English)	*Scotophilus nigrita* (Schreber, 1774)
Schreber's Yellow Bat (English)	*Scotophilus nigrita* (Schreber, 1774)
Schreiber saguzarra (Basque)	*Miniopterus schreibersii* (Kuhl, 1817)
Schreiber-grotvlermuis (Afrikaans)	*Miniopterus schreibersii* (Kuhl, 1817)
Schreiber's Bat (English)	*Miniopterus schreibersii* (Kuhl, 1817)
Schreibers Langflügelfledermaus (German)	*Miniopterus schreibersii* (Kuhl, 1817)
Schreibers se grotvlermuis (Afrikaans)	*Miniopterus schreibersii* (Kuhl, 1817)
Schreiber's vleermuis (Dutch)	*Miniopterus schreibersii* (Kuhl, 1817)
Schreibers's Bent-winged Bat (English)	*Miniopterus schreibersii* (Kuhl, 1817)
Schreibers's Long-fingered Bat (English)	*Miniopterus schreibersii* (Kuhl, 1817)
Schwanzdrüsen-Bulldoggfledermaus (German)	*Chaerephon bemmeleni* (Jentink, 1879)
Schwarzflügel-Hausfledermaus (German)	*Scotoecus hirundo* (de Winton, 1899)

Common Name	Taxon Name
Schwarz-Weiße Schmetterlingsfledermaus (German)	*Glauconycteris superba* Hayman, 1939
Scontonyctère de Zenker (French)	*Scotonycteris zenkeri* Matschie, 1894
Scotoèchi (Italian)	*Scotoecus* Thomas, 1901
Scotoèco di Hìnde (Italian)	*Scotoecus hindei* Thomas, 1901
Scotoèco golabiànca (Italian)	*Scotoecus albigula* Thomas, 1909
Scotoèco róndine (Italian)	*Scotoecus hirundo* (de Winton, 1899)
Scotoèque à ailes pâles (French)	*Scotoecus albofuscus* (Thomas, 1890)
Scotoèque à gorge blanche (French)	*Scotoecus albigula* Thomas, 1909
Scotoèque de Hinde (French)	*Scotoecus hindei* Thomas, 1901
Scotoèque hirundine (French)	*Scotoecus hirundo* (de Winton, 1899)
Scotoèques (French)	*Scotoecus* Thomas, 1901
Scotòfili (Italian)	*Scotophilus* Leach, 1821
Scotòfilo di Dìngan (Italian)	*Scotophilus dinganii* (A. Smith, 1833)
Scotòfilo panciabiànca (Italian)	*Scotophilus leucogaster* (Cretzschmar, 1826)
Scotòfilo scùro (Italian)	*Scotophilus nigrita* (Schreber, 1774)
Scotòfilo vérde (Italian)	*Scotophilus viridis* (Peters, 1852)
Scotonyctère à dents de serpent (French)	*Casinycteris ophiodon* (Pohle, 1943)
Scotonyctère de Bergmans (French)	*Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Scotonyctère de Hayman (French)	*Scotonycteris occidentalis* Hayman, 1947
Scotonyctères (French)	*Scotonycteris* Matschie, 1894
Scotophile à ailes noires (French)	*Scotoecus hirundo* (de Winton, 1899)
Scotophile à ventre blanc (French)	*Scotophilus leucogaster* (Cretzschmar, 1826)
Scotophile à ventre jaune (French)	*Scotophilus dinganii* (A. Smith, 1833)
Scotophile africain (French)	*Scotophilus dinganii* (A. Smith, 1833)
Scotophile d'Andadoany (French)	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
Scotophile de Bourbon (French)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Scotophile de Madagascar (French)	*Scotophilus robustus* A. Milne-Edwards, 1881
Scotophile de Madagascar (French)	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Scotophile de Marovaza (French)	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
Scotophile de Robbins (French)	*Scotophilus nucella* Robbins, 1983
Scotophile des hauteurs (French)	*Scotophilus nucella* Robbins, 1983
Scotophile du crépuscule (French)	*Scotoecus albofuscus* (Thomas, 1890)
Scotophile noisette (French)	*Scotophilus nux* Thomas, 1904
Scotophile nux (French)	*Scotophilus nux* Thomas, 1904
Scotophile robuste (French)	*Scotophilus robustus* A. Milne-Edwards, 1881
Scotophile verdâtre (French)	*Scotophilus viridis* (Peters, 1852)
Scotophiles (French)	*Scotophilus* Leach, 1821
Scotts Mausohr (German)	*Myotis scotti* Thomas, 1927
Scott's Mouse-eared Bat (English)	*Myotis scotti* Thomas, 1927
Scott's Mouse-eared Myotis (English)	*Myotis scotti* Thomas, 1927
Seabra's Wing-gland Bat (English)	*Cistugo seabrae* Thomas, 1912
Sena-Doggengrämler (German)	*Chaerephon pumilus* (Cretzschmar, 1826)
Senegal Bat (English)	*Scotophilus nigrita* (Schreber, 1774)
Senegal Horseshoe Bat (English)	*Rhinolophus guineensis* Eisentraut, 1960
Senegal Mastiff Bat (English)	*Myopterus daubentonii* Desmarest, 1820
Sennaarische Doggengrämler (German)	*Mops (Mops) midas* (Sundevall, 1843)
Sérotine à ailes blanches (French)	*Neoromicia tenuipinnis* (Peters, 1872)
Sérotine à grands yeux (French)	*Eptesicus platyops* (Thomas, 1901)
Serotine Bats (English)	*Eptesicus* Rafinesque, 1820
Sérotine brune d'Afrique (French)	*Neoromicia brunnea* (Thomas, 1880)
Sérotine brun-noire (French)	*Neoromicia brunnea* (Thomas, 1880)
Sérotine de Botta (French)	*Eptesicus bottae* (Peters, 1869)
Sérotine de Flower (French)	*Eptesicus floweri* (de Winton, 1901)
Sérotine de Grandidier (French)	*Pipistrellus grandidieri* (Dobson, 1876)
Sérotine de Guinée (French)	*Neoromicia guineensis* (Bocage, 1889)
Sérotine de Lagos (French)	*Eptesicus platyops* (Thomas, 1901)
Sérotine de Madagascar (French)	*Neoromicia matroka* (Thomas and Schwann, 1905)
Serotine de Rendall (French)	*Neoromicia rendalli* (Thomas, 1889)
Sérotine de Sakahara (French)	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
Sérotine de Somalie (French)	*Neoromicia somalica* (Thomas, 1901)
Sérotine des aloes (French)	*Neoromicia zuluensis* (Roberts, 1924)
Sérotine des maisons à longue queue (French)	*Eptesicus hottentotus* (A. Smith, 1833)
Sérotine du Cap (French)	*Neoromicia capensis* (A. Smith, 1829)
Sérotine du Soudan (French)	*Eptesicus floweri* (de Winton, 1901)
Sérotine hottentote (French)	*Eptesicus hottentotus* (A. Smith, 1833)
Sérotine hottentote (French)	*Eptesicus hottentotus* (A. Smith, 1833)
Sérotine isabelle (French)	*Eptesicus isabellinus* (Temminck, 1840)
Sérotine isabelline (French)	*Eptesicus isabellinus* (Temminck, 1840)
Sérotine jaune (French)	*Neoromicia flavescens* (Seabra, 1900)

Common Name	Taxon Name
Sérotine minuscule (French)	*Neoromicia guineensis* (Bocage, 1889)
Serotines (English)	*Eptesicus* Rafinesque, 1820
Sérotines (French)	*Eptesicus* Rafinesque, 1820
Seychellen Bulldoggfledermaus (German)	*Chaerephon pusillus* (Miller, 1902)
Seychellen Schiebeschwanz-Fledermaus (German)	*Coleura seychellensis* Peters, 1868
Seychellen-Flugfuchs (German)	*Pteropus seychellensis* A. Milne-Edwards, 1877
Seychelles Flying Fox (English)	*Pteropus seychellensis* A. Milne-Edwards, 1877
Seychelles Free-tailed bat (English)	*Chaerephon pusillus* (Miller, 1902)
Seychelles Fruit Bat (English)	*Pteropus seychellensis* A. Milne-Edwards, 1877
Seychelles Sheath-tailed Bat (English)	*Coleura seychellensis* Peters, 1868
Sgolanotg gigant (Roman)	*Nyctalus lasiopterus* (Schreber, 1780)
Sgolanotg pitschen (Roman)	*Nyctalus leisleri* (Kuhl, 1817)
Sheath-tailed Bat (English)	*Coleura afra* (Peters, 1852)
Sheath-tailed bats (English)	*Coleura* Peters, 1867
Sheath-tailed Bats (English)	*EMBALLONURIDAE* Gervais, 1855
Shoa Kamnase (German)	*Rhinolophus fumigatus* Rüppell, 1842
Short-eared Bats (English)	*Cloeotis* Thomas, 1901
Short-eared Trident Bat (English)	*Cloeotis percivali* Thomas, 1901
Short-eared Trident Bats (English)	*Cloeotis* Thomas, 1901
Short-palate Fruit-bats (English)	*Casinycteris* Thomas, 1910
Short-palated Fruit Bat (English)	*Casinycteris argynnis* Thomas, 1910
Short-palated Fruit-bats (English)	*Casinycteris* Thomas, 1910
Short-tailed Leaf-nosed Bat (English)	*Hipposideros curtus* G.M. Allen, 1921
Short-tailed Roundleaf Bat (English)	*Hipposideros curtus* G.M. Allen, 1921
Short-winged Mops Bat (English)	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Shumski Vechernik (Macedonian)	*Nyctalus leisleri* (Kuhl, 1817)
Sierra Leone Free-tailed Bat (English)	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Sierra Leone Mops Bat (English)	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Sierra-Leone Halskrausen-Flughund (German)	*Myonycteris leptodon* K. Andersen, 1908
Siipat (Finnish)	*VESPERTILIONIDAE* Gray, 1821
Silberne Schmetterlingsfledermaus (German)	*Glauconycteris argentata* (Dobson, 1875)
Silver Woolly Bat (English)	*Kerivoula argentata* Tomes, 1861
Silvered Bat (English)	*Glauconycteris argentata* (Dobson, 1875)
Silvered Bats (English)	*Glauconycteris* Dobson, 1875
Silvered Butterfly Bat (English)	*Glauconycteris argentata* (Dobson, 1875)
Silvered Woolly Bat (English)	*Kerivoula argentata* Tomes, 1861
Silvery Butterfly Bat (English)	*Glauconycteris argentata* (Dobson, 1875)
Silvery Woolly Bat (English)	*Kerivoula argentata* Tomes, 1861
Simple-nosed Bats (English)	*VESPERTILIONIDAE* Gray, 1821
Sinai Barbestelle (English)	*Barbastella leucomelas* (Cretzschmar, 1826)
Singing Fruit Bat (English)	*Epomops franqueti* (Tomes, 1860)
Singing Fruit Bat (English)	*Epomophorus dobsonii* Bocage, 1889
Singing Fruit-bats (English)	*Epomops* Gray, 1866
Širokouhi mracnjak (Croatian)	*Barbastella barbastellus* (Schreber, 1774)
Skæægflagermus (Danish)	*Myotis mystacinus* (Kuhl, 1817)
skalní netopýři (Czech)	*Hypsugo* Kolenati, 1856
Skedestertvlermuis (Afrikaans)	*Coleura afra* (Peters, 1852)
Skjeggflaggermus (Norwegian)	*Myotis mystacinus* (Kuhl, 1817)
Slender-winged Pipistrelle Bat (English)	*Neoromicia tenuipinnis* (Peters, 1872)
Slit-faced bats (English)	*NYCTERIDAE* Van der Hoeven, 1855
Slit-faced bats (English)	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Small House-bat (English)	*Pipistrellus pipistrellus* (Schreber, 1774)
Small mouse-tailed bat (English)	*Rhinopoma cystops* Thomas, 1903
Smaller Epauletted fruit bat (English)	*Epomophorus crypturus* Peters, 1852
Smithers Hufeisennase (German)	*Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Smithers's Horseshoe Bat (English)	*Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Smith's fruit bat (English)	*Myonycteris angolensis smithii* (Thomas, 1908)
Smiths Samtfell-Flughund (German)	*Myonycteris angolensis smithii* (Thomas, 1908)
Smiths Wollfledermaus (German)	*Kerivoula smithii* Thomas, 1880
Smith's Woolly Bat (English)	*Kerivoula smithii* Thomas, 1880
Smoky Horseshoe Bat (English)	*Rhinolophus fumigatus* Rüppell, 1842
Smooth-haired Fruit-bats (English)	*Myonycteris* Matschie, 1899
Snake-toothed Harlequin Fruit-bat (English)	*Casinycteris ophiodon* (Pohle, 1943)
Snake-toothed Tear-drop Fruit-bat (English)	*Casinycteris ophiodon* (Pohle, 1943)
Sod silli (see Lanza *et al.*, 2015: 13) (Somalian)	*CHIROPTERA* Blumenbach, 1779
Sodan silli (Somalian)	*CHIROPTERA* Blumenbach, 1779
Soft-furred Fruit-bats (English)	*Myonycteris* Matschie, 1899
Somali Pipistrelle Bat (English)	*Neoromicia somalica* (Thomas, 1901)
Somali Serotine (English)	*Neoromicia somalica* (Thomas, 1901)
Somali Serotine Bat (English)	*Neoromicia somalica* (Thomas, 1901)
Somalian Pipistrelle Bat (English)	*Neoromicia somalica* (Thomas, 1901)
Somalia-Pipistrelle (German)	*Neoromicia somalica* (Thomas, 1901)

Common Name	Taxon Name
Somalia-Zwergfledermaus (German)	*Neoromicia somalica* (Thomas, 1901)
Somali-dakvlermuis (Afrikaans)	*Neoromicia somalica* (Thomas, 1901)
Somalische Dreizackblattnase (German)	*Asellia italosomalica* de Beaux, 1931
Sooty Leaf-nosed Bat (English)	*Hipposideros fuliginosus* (Temminck, 1853)
Sooty Roundleaf Bat (English)	*Hipposideros fuliginosus* (Temminck, 1853)
Soprano Pipistrelle (English)	*Pipistrellus pygmaeus* (Leach, 1825)
Sororcula Long-fingered Bat (English)	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Sororculus Longfingered Bat (English)	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Sousouri banann (Creole)	*Coleura seychellensis* Peters, 1868
South African Lesser Leaf-nosed Bat (English)	*Hipposideros caffer* (Sundevall, 1846)
Southern Africa horseshoe bat (English)	*Rhinolophus capensis* Lichtenstein, 1823
Southern Sheath-tailed Bat (English)	*Coleura afra* (Peters, 1852)
Spa:: Murciélago de las Tumbas (Spanish (Castillian))	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
spaka krysová (Czech)	*Myopterus daubentonii* Desmarest, 1820
spaky (Czech)	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Spitssaalneusvlermuis (Afrikaans)	*Rhinolophus blasii* Peters, 1867
Spleetneusvleermuizen (Dutch)	*NYCTERIDAE* Van der Hoeven, 1855
Spotted Free-tailed Bat (English)	*Chaerephon bivittatus* (Heuglin, 1861)
Spotted Gland-tailed Bat (English)	*Chaerephon bivittatus* (Heuglin, 1861)
Spotted Wrinkle-lipped Bat (English)	*Chaerephon bivittatus* (Heuglin, 1861)
Spurell trumpet-eared bat (English)	*Kerivoula phalaena* Thomas, 1912
Spurrells Bulldoggfledermaus (German)	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
Spurrell's Free-tailed Bat (English)	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
Spurrell's Mops Bat (English)	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
Spurrells Wollfledermaus (German)	*Kerivoula phalaena* Thomas, 1912
Spurrell's Woolly Bat (English)	*Kerivoula phalaena* Thomas, 1912
srdcoví lyronosi (Czech)	*Cardioderma* Peters, 1873
sreso ampane [="original or normal bat'] (Tanoboase (Ghana))	*Epomophorus gambianus* (Ogilby, 1835)
srostlouch (Czech)	*Barbastella barbastellus* (Schreber, 1774)
srostlouchové (Czech)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
stejnoušan zejkatý (Czech)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Stirngrubenfledermaus (German)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Stirnlappen-Bulldoggfledermaus (German)	*Chaerephon major* (Trouessart, 1897)
Stor hesteskonaese (Danish)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Stor hesteskonese (Norwegian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Storøreflaggermus (Norwegian)	*MEGADERMATIDAE* H. Allen, 1864
Straw-colored Fruit Bat (English)	*Eidolon helvum* (Kerr, 1792)
Straw-coloured Flying Fox (English)	*Eidolon helvum* (Kerr, 1792)
Straw-coloured Fruit-bats (English)	*Eidolon* Rafinesque, 1815
striflaggermus (Norwegian)	*NYCTERIDAE* Van der Hoeven, 1855
Striped Butterfly Bat (English)	*Glauconycteris alboguttata* J.A. Allen, 1917
Striped Leaf-nosed Bat (English)	*Macronycteris vittatus* (Peters, 1852)
Striped or Banded Guano Bat (English)	*Tadarida teniotis* (Rafinesque, 1814)
strostlouchové (Czech)	*Barbastella* Gray, 1821
Sucker-footed Bat (English)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Sucker-footed Bats (English)	*MYZOPODIDAE* Thomas, 1904
Sucker-footed Bats (English)	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
Südafrikanischen Sackfledermaus (German)	*Miniopterus natalensis* (A. Smith, 1833)
Sudan Horn-skinned Bat (English)	*Eptesicus floweri* (de Winton, 1901)
Sudan Serotine (English)	*Eptesicus floweri* (de Winton, 1901)
Sugeskålflaggermus (Norwegian)	*MYZOPODIDAE* Thomas, 1904
Sundevall se bladneusvlermuis (Afrikaans)	*Hipposideros caffer* (Sundevall, 1846)
Sundevall-bladneusvlermuis (Afrikaans)	*Hipposideros caffer* (Sundevall, 1846)
Sundevall's African Leaf-nosed Bat (English)	*Hipposideros caffer* (Sundevall, 1846)
Sundevall's Free-tailed Bat (English)	*Mops (Mops) midas* (Sundevall, 1843)
Sundevall's Leaf-nosed Bat (English)	*Hipposideros caffer* (Sundevall, 1846)
Sundevall's Roundleaf Bat (English)	*Hipposideros caffer* (Sundevall, 1846)
Sundevalls Rundblattnase (German)	*Hipposideros caffer* (Sundevall, 1846)
Sundevallse blaarneusvlermuis (Afrikaans)	*Hipposideros caffer* (Sundevall, 1846)
Superb Butterfly Bat (English)	*Glauconycteris superba* Hayman, 1939
Swallow Lesser House Bat (English)	*Scotoecus hirundo* (de Winton, 1899)
Swinny se saalneusvlermuis (Afrikaans)	*Rhinolophus swinnyi* Gough, 1908
Swinny's Horseshoe Bat (English)	*Rhinolophus swinnyi* Gough, 1908
Swinnys Hufeisennase (German)	*Rhinolophus swinnyi* Gough, 1908
Swinny-saalneusvlermuis (Afrikaans)	*Rhinolophus swinnyi* Gough, 1908
Swinnyse Vlermuis (Afrikaans)	*Rhinolophus swinnyi* Gough, 1908
Szoprán törpedenevér (Hungarian)	*Pipistrellus pygmaeus* (Leach, 1825)
szoröskarú denevér (Hungarian)	*Nyctalus leisleri* (Kuhl, 1817)
tadarida africká (Czech)	*Tadarida ventralis* (Heuglin, 1861)
Tadarida de Midas (French)	*Mops (Mops) midas* (Sundevall, 1843)

Common Name	Taxon Name
Tadarìda egiziàna (Italian)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
tadarida evropská (Czech)	*Tadarida teniotis* (Rafinesque, 1814)
tadarida jižní (Czech)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
tadarida malá (Czech)	*Chaerephon pumilus* (Cretzschmar, 1826)
Tadarìda ventràle (Italian)	*Tadarida ventralis* (Heuglin, 1861)
Tadarìde (Italian)	*Tadarida* Rafinesque, 1814
Tadaride à doigts blancs (French)	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Tadaride à glande caudale (French)	*Chaerephon bemmeleni* (Jentink, 1879)
Tadaride à lèvres ridées (French)	*Mormopterus acetabulosus* (Hermann, 1804)
Tadaride à oreillettes (French)	*Chaerephon major* (Trouessart, 1897)
Tadaride à queue libre de Madagascar (French)	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
Tadaride à tête plate de Peters (French)	*Platymops setiger* (Peters, 1878)
Tadaride à ventre blanc (French)	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
Tadaride à ventre blanc (French)	*Chaerephon leucogaster* (A. Grandidier, 1869)
Tadaride bornée (French)	*Chaerephon pumilus* (Cretzschmar, 1826)
Tadaride d'Allen (French)	*Mops (Mops) trevori* J.A. Allen, 1917
Tadaride d'Angola (French)	*Mops (Mops) condylurus* (A. Smith, 1833)
Tadaride d'Ansorge (French)	*Chaerephon ansorgei* (Thomas, 1913)
Tadaride de Cestoni (French)	*Tadarida teniotis* (Rafinesque, 1814)
Tadaride de Chapin (French)	*Chaerephon chapini* J.A. Allen, 1917
Tadaride de Gallagher (French)	*Chaerephon gallagheri* (Harrison, 1975)
Tadaride de La Réunion (French)	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Tadaride de l'Afrique orientale (French)	*Tadarida lobata* (Thomas, 1891)
Tadaride de Madagascar (French)	*Mormopterus jugularis* (Peters, 1865)
Tadaride de Madagascar à ventre blanc (French)	*Chaerephon leucogaster* (A. Grandidier, 1869)
Tadaride de Medje (French)	*Mops (Mops) congicus* J.A. Allen, 1917
Tadaride de Mongalla (French)	*Mops (Mops) demonstrator* (Thomas, 1903)
Tadaride de Peters (French)	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Tadaride de Peterson (French)	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
Tadaride de Railer (French)	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Tadaride de São Tomé (French)	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
Tadaride de Spurell (French)	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
Tadaride de Thomas (French)	*Tadarida fulminans* (Thomas, 1903)
Tadaride de Trevor (French)	*Mops (Mops) trevori* J.A. Allen, 1917
Tadaride d'Egypte (French)	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Tadaride des Seychelles (French)	*Chaerephon pusillus* (Miller, 1902)
Tadaride d'Europe (French)	*Tadarida teniotis* (Rafinesque, 1814)
Tadaride du Duc des Abruzzes (French)	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Tadaride du Kenya (French)	*Tadarida lobata* (Thomas, 1891)
Tadaride du Niangara (French)	*Mops (Mops) niangarae* J.A. Allen, 1917
Tadaride du Nigeria (French)	*Chaerephon nigeriae* Thomas, 1913
Tadaride géante d'Afrique (French)	*Tadarida ventralis* (Heuglin, 1861)
Tadaride Midas (French)	*Mops (Mops) midas* (Sundevall, 1843)
Tadaride naine (French)	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Tadaride rouge ou noir (French)	*Chaerephon jobimena* Goodman and Cardiff, 2004
Tadaride rousse (French)	*Chaerephon russatus* J.A. Allen, 1917
Tadaride tachetée (French)	*Chaerephon bivittatus* (Heuglin, 1861)
Tadarides (French)	*Chaerephon* Dobson, 1874
Tadarides (French)	*Mormopterus* Peters, 1865
Tadarides (French)	*Mops* Lesson, 1842
Tadarides (French)	*Tadarida* Rafinesque, 1814
Tadarides à tête plate (French)	*Platymops* Thomas, 1906
tadaridovití (Czech)	*MOLOSSIDAE* Gervais, 1856
Tadarine Bats (English)	*Tadarida* Rafinesque, 1814
Tafozòi (Italian)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Tafozòo di Hàmilton (Italian)	*Taphozous hamiltoni* Thomas, 1920
Tafozòo di Hildegàrde (Italian)	*Taphozous hildegardeae* Thomas, 1909
Tafozòo mauriziàno (Italian)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Tafozòo nudivèntre (Italian)	*Taphozous nudiventris* Cretzschmar, 1830
Tafozòo perforàto (Italian)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Tanzania Pipistrelle (English)	*Pipistrellus permixtus* Aellen, 1957
Tanzania-Hufeisennase (German)	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
Tanzanian Woolly Bat (English)	*Kerivoula africana* Dobson, 1878
Tanzania-Wollfledermaus (German)	*Kerivoula africana* Dobson, 1878
Taphien à croupe nue (French)	*Taphozous nudiventris* Cretzschmar, 1830
Taphien à ventre nu (French)	*Taphozous nudiventris* Cretzschmar, 1830
Taphien de Hamilton (French)	*Taphozous hamiltoni* Thomas, 1920
Taphien de Hildegarde (French)	*Taphozous hildegardeae* Thomas, 1909
Taphien de l'Ile de France (French)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Taphien de l'Ile Maurice (French)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Taphien de Maurice (French)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Taphien des tombeaux (French)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818

Common Name	Taxon Name
Taphien perforé (French)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Taphiens (French)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Taphozous bat of Mauritius (English)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Taschenfledermäuse (German)	*Saccolaimus* Temminck, 1838
Tear-drop Fruit-bats (English)	*Scotonycteris* Matschie, 1894
Temminck se langhaarvlermuis (Afrikaans)	*Myotis tricolor* (Temminck, 1832)
Temminck-langhaarvlermuis (Afrikaans)	*Myotis tricolor* (Temminck, 1832)
Temmincks Epaulettenflughund (German)	*Epomophorus labiatus* (Temminck, 1837)
Temminck's Hairy Bat (English)	*Myotis tricolor* (Temminck, 1832)
Temmincks Hufeisennase (German)	*Rhinolophus alcyone* Temminck, 1853
Temminck's Mouse-eared Bat (English)	*Myotis tricolor* (Temminck, 1832)
Temmincks Rundblattnase (German)	*Hipposideros fuliginosus* (Temminck, 1853)
Thebaanse spleetneusvleermuis (Dutch)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Thersites' Bulldoggfledermaus (German)	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Thomas' House Bat (English)	*Scotoecus albofuscus* (Thomas, 1890)
Thomas' Schmalflügel-Fledermaus (German)	*Mimetillus thomasi* Hinton, 1920
Thomas se vlermuis (Afrikaans)	*Scotoecus albofuscus* (Thomas, 1890)
Thomas's Flat-headed Bat (English)	*Mimetillus thomasi* Hinton, 1920
Thomas's Lesser House Bat (English)	*Scotoecus albofuscus* (Thomas, 1890)
Thomas's Short-palate Fruit-bat (English)	*Casinycteris argynnis* Thomas, 1910
Thomas-vlermuis (Afrikaans)	*Scotoecus albofuscus* (Thomas, 1890)
Three-coloured bat (English)	*Myotis tricolor* (Temminck, 1832)
Tiny Pipistrelle (English)	*Pipistrellus nanulus* Thomas, 1904
Tiny Pipistrelle Bat (English)	*Pipistrellus nanulus* Thomas, 1904
Tiny Serotine (English)	*Neoromicia guineensis* (Bocage, 1889)
Tomb Bat (English)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Tomb Bat (English)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Tomb Bats (English)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Tomb Bats (English)	*EMBALLONURIDAE* Gervais, 1855
Tomosu Biasa (Indonesian)	*Miniopterus schreibersii* (Kuhl, 1817)
törpe denevér (Hungarian)	*Miniopterus schreibersii* (Kuhl, 1817)
törpe denevér (Hungarian)	*Pipistrellus pipistrellus* (Schreber, 1774)
Transvaal Free-tailed Bat (English)	*Tadarida ventralis* (Heuglin, 1861)
Transvaalse losstertvlermuis (Afrikaans)	*Tadarida ventralis* (Heuglin, 1861)
Trevor´s Bat (English)	*Mops (Mops) trevori* J.A. Allen, 1917
Trevors Bulldoggfledermaus (German)	*Mops (Mops) trevori* J.A. Allen, 1917
Trevor's Free-tailed Bat (English)	*Mops (Mops) trevori* J.A. Allen, 1917
Trevor's Mops Bat (English)	*Mops (Mops) trevori* J.A. Allen, 1917
Triaenops (French)	*Triaenops* Dobson, 1871
Triaenops à grandes oreilles (French)	*Paratriaenops auritus* (G. Grandidier, 1912)
Triaenops de Madagascar (French)	*Paratriaenops furculus* (Trouessart, 1907)
Triaenops de Paulian (French)	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
Triaenops de Trouessart (French)	*Paratriaenops furculus* (Trouessart, 1907)
Triaenops malgache (French)	*Paratriaenops furculus* (Trouessart, 1907)
Triaenops roux (French)	*Triaenops menamena* Goodman and Ranivo, 2009
Tricoloured Mouse-eared Bat (English)	*Myotis tricolor* (Temminck, 1832)
Trident (French)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Trident bat (English)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Trident bats (English)	*HIPPOSIDERIDAE* Lydekker, 1891
Trident Bats (English)	*Triaenops* Dobson, 1871
Trident Bats (English)	*Asellia* Gray, 1838
Trident de Patrizi (French)	*Asellia patrizii* de Beaux, 1931
Trident du désert (French)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Trident Leaf-nosed Bat (English)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Trident Leaf-nosed Bats (English)	*Triaenops* Dobson, 1871
Trident Leaf-nosed Bats (English)	*Asellia* Gray, 1838
Trident Rhinolophe (English)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Trident-nosed Bats (English)	*Cloeotis* Thomas, 1901
Tridents (French)	*Asellia* Gray, 1838
Trienope àfro (Italian)	*Triaenops afer* Peters, 1877
Trienopi (Italian)	*Triaenops* Dobson, 1871
Triple nose-leaf bats (English)	*Triaenops* Dobson, 1871
Troboen Nokjnik (Macedonian)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
trojzubcoví pavrápenci (Czech)	*Asellia* Gray, 1838
Tropical Long-eared Bats (English)	*Laephotis* Thomas, 1901
Trouessarts Dreizahn-Blattnase (German)	*Paratriaenops furculus* (Trouessart, 1907)
Trouessart's Triden Bat (English)	*Paratriaenops furculus* (Trouessart, 1907)
Trouessart's Trident Bat (English)	*Paratriaenops furculus* (Trouessart, 1907)
Trujillo's House Bat (English)	*Scotophilus trujilloi* Brooks and Bickham, 2014
Trumpet-eared Bats (English)	*Kerivoula* Gray, 1842
Tryokhtsvetnaya nochnitsa (Russian)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Tsingy-Freischwanzfledermaus (German)	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Tuña (Vai (Liberia))	*Hypsignathus monstrosus* H. Allen, 1862

Common Name	Taxon Name
Twilight bats (English)	*Nycticeinops* Hill & Harrison, 1987
ušan širokouchý (Czech)	*Barbastella barbastellus* (Schreber, 1774)
ušan berberský (Czech)	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
ušan egyptský (Czech)	*Plecotus christii* Gray, 1838
ušan habešský (Czech)	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
ušan kanárský (Czech)	*Plecotus teneriffae* Barrett-Hamilton, 1907
ušan pustinný (Czech)	*Otonycteris hemprichii* Peters, 1859
Uchana cierna (Slovakian)	*Barbastella barbastellus* (Schreber, 1774)
Unerwartete Pipistrelle (German)	*Pipistrellus inexspectatus* Aellen, 1959
Unerwartete Zwergfledermaus (German)	*Pipistrellus inexspectatus* Aellen, 1959
upír černolící (Czech)	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
upír červenokrký (Czech)	*Pteropus subniger* (Kerr, 1792)
upír bledý (Czech)	*Eidolon helvum* (Kerr, 1792)
upír egypecký (Czech)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
upír obecný (Czech)	*Pteropus subniger* (Kerr, 1792)
upírové (Czech)	*CHIROPTERA* Blumenbach, 1779
upírové (Czech)	*PTEROPODIDAE* Gray, 1821
upírové (Czech)	*Pteropus* Erxleben, 1777
Upland Horseshoe bat (English)	*Rhinolophus hillorum* Koopman, 1989
výložkoví kaloni (Czech)	*Epomophorus* Bennett, 1836
vakoví hrobkovci (Czech)	*Saccolaimus* Temminck, 1838
Valevampyyrit (Finnish)	*MEGADERMATIDAE* H. Allen, 1864
Valkopäälepakot (Finnish)	*NYCTERIDAE* Van der Hoeven, 1855
vampýrovci (Czech)	*NOCTILIONOIDEA* Gray, 1821
Van Bemmelen's Wrinkle-lipped Bat (English)	*Chaerephon bemmeleni* (Jentink, 1879)
Variable Bulldoggfledermaus (German)	*Chaerephon jobimena* Goodman and Cardiff, 2004
Variegated Butterfly Bat (English)	*Glauconycteris variegata* (Tomes, 1861)
večerní netopýři (Czech)	*Eptesicus* Rafinesque, 1820
Večernica Leachova (Slovak)	*Pipistrellus pygmaeus* (Leach, 1825)
Vecernica malá (Slovakian)	*Pipistrellus pipistrellus* (Schreber, 1774)
velcí cíponosi (Czech)	*Triaenops* Dobson, 1871
velcí morousi (Czech)	*Mops* Lesson, 1842
Veldkampovi kaloni (Czech)	*Nanonycteris* Matschie, 1899
Veldkamp's Bat (English)	*Nanonycteris veldkampii* (Jentink, 1888)
Veldkamp's Dwarf Fruit-bat (English)	*Nanonycteris veldkampii* (Jentink, 1888)
Veldkamps Zwergflughund (German)	*Nanonycteris veldkampii* (Jentink, 1888)
veliký vrápenec podkovní (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
veliki podkovnjak (Slovenian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Veliki potkovnjak (Croatian)	*Rhinolophus ferrumequinum* (Schreber, 1774)
Veliki vecernjak (Croatian)	*Nyctalus lasiopterus* (Schreber, 1780)
velkouší morousi (Czech)	*Otomops* Thomas, 1913
Verwechselte Pipistrelle (German)	*Pipistrellus permixtus* Aellen, 1957
Verwechselte Zwergfledermaus (German)	*Pipistrellus permixtus* Aellen, 1957
Vesper Bats (English)	*VESPERTILIONIDAE* Gray, 1821
Vespère à grosse tête (French)	*Hypsugo crassulus* (Thomas, 1904)
Vespère ariel (French)	*Hypsugo ariel* (Thomas, 1904)
Vespère d'Anchieta (French)	*Hypsugo anchietae* (Seabra, 1900)
Vespère de Savi (French)	*Hypsugo savii* (Bonaparte, 1837)
Vespère d'Eisentraut (French)	*Hypsugo eisentrauti* (Hill, 1968)
Vespère murin (French)	*Hypsugo musciculus* (Thomas, 1913)
Vespères (French)	*Hypsugo* Kolenati, 1856
Vespertil cun tscheglias (Roman)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Vespertil da Capaccini (Roman)	*Myotis capaccinii* (Bonaparte, 1837)
Vespertil pitschen dal barbis (Roman)	*Myotis mystacinus* (Kuhl, 1817)
Vespertilio di Capaccini (Italian)	*Myotis capaccinii* (Bonaparte, 1837)
Vespertilio maghrebino (Italian)	*Myotis punicus* Felten, 1977
Vespertilio mustacchino (Italian)	*Myotis mystacinus* (Kuhl, 1817)
Vespertilio smarginato (Italian)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Vespertilion à moustaches (French)	*Myotis mystacinus* (Kuhl, 1817)
Vespertilion à oreilles échancrées (French)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Vespertilion d'Angola (French)	*Myotis tricolor* (Temminck, 1832)
Vespertilion de Capaccini (French)	*Myotis capaccinii* (Bonaparte, 1837)
Vespertilion de l'Ile d'Anjouan (French)	*Myotis anjouanensis* (Dorst, 1960)
Vespertilion de Madagascar (French)	*Myotis goudoti* (A. Smith, 1834)
Vespertilion de Morris (French)	*Myotis morrisi* Hill, 1971
Vespertilion de Scott (French)	*Myotis scotti* Thomas, 1927
Vespertilion de Welwitsch (French)	*Myotis welwitschii* (Gray, 1866)
Vespertilion des montagnes (French)	*Myotis capaccinii* (Bonaparte, 1837)
Vespertilion Doré (French)	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Vespertilion échancré (French)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Vespertilionid bats (English)	*VESPERTILIONIDAE* Gray, 1821
Vespertilionidés (French)	*VESPERTILIONIDAE* Gray, 1821
Vespertiliònidi (Italian)	*VESPERTILIONIDAE* Gray, 1821

Common Name	Taxon Name
víkonos (Czech)	*Rhinopoma microphyllum* (Brünnich, 1782)
víkonos africký (Czech)	*Rhinopoma cystops* Thomas, 1903
víkonos asijský (Czech)	*Rhinopoma microphyllum* (Brünnich, 1782)
víkonos egyptský (Czech)	*Rhinopoma microphyllum* (Brünnich, 1782)
víkonos východoafrický (Czech)	*Rhinopoma macinnesi* Hayman, 1937
víkonos velký (Czech)	*Rhinopoma microphyllum* (Brünnich, 1782)
víkonosi (Czech)	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
víkonosovití (Czech)	*RHINOPOMATIDAE* Dobson, 1872
Vinson se spleetneusvlermuis (Afrikaans)	*Nycteris vinsoni* Dalquest, 1965
Vinsons Schlitznasen-Fledermaus (German)	*Nycteris vinsoni* Dalquest, 1965
Vinson's Slit-faced Bat (English)	*Nycteris vinsoni* Dalquest, 1965
vlaštovčí netopýři (Czech)	*Scotoecus* Thomas, 1901
vlastní vrápenci (Czech)	*RHINOLOPHIDAE* Gray, 1825
Vleermuizen (Dutch)	*CHIROPTERA* Blumenbach, 1779
Vliegende honden (Dutch)	*PTEROPODIDAE* Gray, 1821
Vlindervlermuis (Afrikaans)	*Glauconycteris variegata* (Tomes, 1861)
vlnoušek bronzový (Czech)	*Kerivoula cuprosa* Thomas, 1912
vlnoušek damarský (Czech)	*Kerivoula argentata* Tomes, 1861
vlnoušek habešský (Czech)	*Kerivoula eriophora* (Heuglin, 1877)
vlnoušek malý (Czech)	*Kerivoula lanosa* (A. Smith, 1847)
vlnoušek východoafrický (Czech)	*Kerivoula africana* Dobson, 1878
vlnoušek západoafrický (Czech)	*Kerivoula phalaena* Thomas, 1912
vlnouškové (Czech)	*Kerivoulinae* Miller, 1907
vrápenci (Czech)	*Rhinolophus* Lacépède, 1799
vrápenci (Czech)	*RHINOLOPHOIDEA* J. E. Gray, 1825
vrápencovci (Czech)	*RHINOLOPHOIDEA* J. E. Gray, 1825
vrápencovití (Czech)	*RHINOLOPHIDAE* Gray, 1825
vrápenec (Czech)	*Rhinolophus* Lacépède, 1799
vrápenec Adamův (Czech)	*Rhinolophus adami* Aellen and Brosset, 1968
vrápenec Alcyone (Czech)	*Rhinolophus alcyone* Temminck, 1853
vrápenec Blasiův (Czech)	*Rhinolophus blasii* Peters, 1867
vrápenec cíponosý (Czech)	*Triaenops afer* Peters, 1877
vrápenec Darlingův (Czech)	*Rhinolophus darlingi* K. Andersen, 1905
vrápenec Dentův (Czech)	*Rhinolophus denti* Thomas, 1904
vrápenec guinejský (Czech)	*Rhinolophus guineensis* Eisentraut, 1960
vrápenec Hildebrandtův (Czech)	*Rhinolophus hildebrandtii* Peters, 1878
vrápenec Hillův (Czech)	*Rhinolophus hilli* Aellen, 1973
vrápenec jižní (Czech)	*Rhinolophus euryale* Blasius, 1853
vrápenec jihoafrický (Czech)	*Rhinolophus capensis* Lichtenstein, 1823
vrápenec kouřový (Czech)	*Rhinolophus fumigatus* Rüppell, 1842
vrápenec Landerův (Czech)	*Rhinolophus landeri* Martin, 1838
vrápenec liberijský (Czech)	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
vrápenec Maclaudův (Czech)	*Rhinolophus maclaudi* Pousargues, 1898
vrápenec malý (Czech)	*Rhinolophus hipposideros* (Bechstein, 1800)
vrápenec Mehelyův (Czech)	*Rhinolophus mehelyi* Matschie, 1901
vrápenec menší (Czech)	*Rhinolophus hipposideros* (Bechstein, 1800)
vrápenec moravský (Czech)	*Rhinolophus hipposideros* (Bechstein, 1800)
vrápenec mosambický (Czech)	*Rhinolophus swinnyi* Gough, 1908
vrapenec pahrbeční (Czech)	*Rhinolophus blasii* Peters, 1867
vrapenec pahrbeční (Czech)	*Rhinolophus clivosus* Cretzschmar, 1828
vrápenec podkovní (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápenec podkovníček (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápenec podkrovní (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápenec pouštní (Czech)	*Rhinolophus clivosus* Cretzschmar, 1828
vrápenec ruwenzorijský (Czech)	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
vrápenec sakežianský (Czech)	*Rhinolophus sakejiensis* Cotterill, 2002
vrápenec středozemský (Czech)	*Rhinolophus euryale* Blasius, 1853
vrápenec tanganjický (Czech)	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
vrápenec ugandský (Czech)	*Rhinolophus eloquens* K. Andersen, 1905
vrápenec východoafrický (Czech)	*Rhinolophus deckenii* Peters, 1868
vrápenec veliký (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápenec velký (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápenec západoafrický (Czech)	*Rhinolophus hillorum* Koopman, 1989
vrápeník malý (Czech)	*Rhinolophus hipposideros* (Bechstein, 1800)
vrápeník podkovní (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápeníkové (Czech)	*Rhinolophus* Lacépède, 1799
vrápníkové (Czech)	*Rhinolophus* Lacépède, 1799
vrásničové (Czech)	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Wahlberg se vrugtevlermuis (Afrikaans)	*Epomophorus wahlbergi* (Sundevall, 1846)
Wahlberg's Epauletted Fruit-bat (English)	*Epomophorus wahlbergi* (Sundevall, 1846)
Wahlberg's Epauletted Fruit-bat (English)	*Epomophorus wahlbergi* (Sundevall, 1846)
Wahlbergs Epaulettenflughund (German)	*Epomophorus wahlbergi* (Sundevall, 1846)

Common Name	Taxon Name
Wahlberg-witkolvrugtevlermuis (Afrikaans)	*Epomophorus wahlbergi* (Sundevall, 1846)
Wald-Hufeisennase (German)	*Rhinolophus silvestris* Aellen, 1959
Warzen-Breitflügelfledermaus (German)	*Eptesicus floweri* (de Winton, 1901)
večerník prowrtaný (Czech)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
večerník senegalský (Czech)	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
večerníkové (Czech)	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Weißbauch-Bulldoggfledermaus (German)	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
Weißbäuchige Hausfledermaus (German)	*Scotophilus leucogaster* (Cretzschmar, 1826)
Weissbauchige Schwirrfledermaus (German)	*Scotophilus leucogaster* (Cretzschmar, 1826)
Weißflügel-Hausfledermaus (German)	*Scotoecus albofuscus* (Thomas, 1890)
Weisskehl-Hausfledermaus (German)	*Scotoecus albigula* Thomas, 1909
Weißrandfledermaus (German)	*Pipistrellus kuhlii* (Kuhl, 1817)
Weißrand-Pipistrelle (German)	*Pipistrellus kuhlii* (Kuhl, 1817)
Weißflügel Pipistrelle (German)	*Neoromicia tenuipinnis* (Peters, 1872)
Weißflügel-Zwergfledermaus (German)	*Neoromicia tenuipinnis* (Peters, 1872)
weloblánec lupenatý (Czech)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Welwitch's Bat (English)	*Myotis welwitschii* (Gray, 1866)
Welwitsch se langhaarvlermuis (Afrikaans)	*Myotis welwitschii* (Gray, 1866)
Welwitsch-langhaarvlermuis (Afrikaans)	*Myotis welwitschii* (Gray, 1866)
Welwitsch's Hairy Bat (English)	*Myotis welwitschii* (Gray, 1866)
Welwitschs Mausohr (German)	*Myotis welwitschii* (Gray, 1866)
Welwitsch's Mouse-eared Bat (English)	*Myotis welwitschii* (Gray, 1866)
Welwitsch's Myotis (English)	*Myotis welwitschii* (Gray, 1866)
West African fruit bats (English)	*Scotonycteris* Matschie, 1894
West African Rousette (English)	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Westafrikanische Nachtfledermaus (German)	*Glauconycteris poensis* (Gray, 1842)
Westelijke mopsvleermuis (Dutch)	*Barbastella barbastellus* (Schreber, 1774)
Western Africa leaf-nosed bat (English)	*Hipposideros jonesi* Hayman, 1947
Western Africa Pipistrelle (English)	*Hypsugo musciculus* (Thomas, 1913)
Western Barbastelle (English)	*Barbastella barbastellus* (Schreber, 1774)
Western Barbastelle Bat (English)	*Barbastella barbastellus* (Schreber, 1774)
Western Sheath-tailed Bat (English)	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Western Yellow Bat (English)	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
Westliche Hausfledermaus (German)	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
Westlicher Woermanns Langzungen-Flughund (German)	*Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012
Whiskered Bat (English)	*Myotis mystacinus* (Kuhl, 1817)
Whiskered Mouse-eared Bat (English)	*Myotis mystacinus* (Kuhl, 1817)
Whiskered Myotis (English)	*Myotis mystacinus* (Kuhl, 1817)
White stripe bat (English)	*Pipistrellus kuhlii* (Kuhl, 1817)
White-bellied Free-tailed Bat (English)	*Chaerephon pumilus* (Cretzschmar, 1826)
White-bellied Free-tailed Bat (English)	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
White-bellied House Bat (English)	*Scotophilus leucogaster* (Cretzschmar, 1826)
White-bellied Lesser House Bat (English)	*Scotoecus albigula* Thomas, 1909
White-bellied Mops Bat (English)	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
White-bellied Yellow Bat (English)	*Scotophilus leucogaster* (Cretzschmar, 1826)
White-fingered Free-tailed Bat (English)	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
White-shouldered bat (English)	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
White-spotted Butterfly Bat (English)	*Glauconycteris alboguttata* J.A. Allen, 1917
White-throated Lesser House Bat (English)	*Scotoecus albigula* Thomas, 1909
White-winged Bat (English)	*Neoromicia tenuipinnis* (Peters, 1872)
White-winged Pipistrelle Bat (English)	*Neoromicia tenuipinnis* (Peters, 1872)
White-winged Serotine (English)	*Neoromicia tenuipinnis* (Peters, 1872)
Whitleys Pergamentflügel-Fledermaus (German)	*Myopterus whitleyi* (Scharff, 1900)
Whitley's Winged-mouse Bat (English)	*Myopterus whitleyi* (Scharff, 1900)
Willards horseshoe bat (English)	*Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013
Willards Hufeisennase (German)	*Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013
Wimperfledermaus (German)	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Winged-mouse Bats (English)	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Winged-rat Free-tailed Bats (English)	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Wing-gland bat (English)	*Cistugo lesueuri* Roberts, 1919
Wing-gland Bats (English)	*Cistugo* Thomas, 1912
Winton se langoorvlermuis (Afrikaans)	*Laephotis wintoni* Thomas, 1901
Winton-langoorvlermuis (Afrikaans)	*Laephotis wintoni* Thomas, 1901
Winton's Long-eared Bat (English)	*Laephotis wintoni* Thomas, 1901
Winziger Epaulettenflughund (German)	*Epomophorus minimus* Claessen & De Vree, 1991
Witlyfvlermuis (Afrikaans)	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Woermann's Bat (English)	*Megaloglossus woermanni* Pagenstecher, 1885
Woermann's Fruit bat (English)	*Megaloglossus woermanni* Pagenstecher, 1885
Woermanns Langzungen-Flughund (German)	*Megaloglossus woermanni* Pagenstecher, 1885
Woermann's Long-tongued Fruit-bat (English)	*Megaloglossus woermanni* Pagenstecher, 1885

Common Name	Taxon Name
Woestijndwergvleermuis (Dutch)	*Hypsugo ariel* (Thomas, 1904)
Woestijngrootoorvleermuis (Dutch)	*Otonycteris hemprichii* Peters, 1859
Wolf-dog Bats (English)	*MOLOSSIDAE* Gervais, 1856
Wolf-dog Bats (English)	*Molossinae* Gervais, 1856
Wollfledermäuse (German)	*Kerivoula* Gray, 1842
Wood se spleetneusvlermuis (Afrikaans)	*Nycteris woodi* K. Andersen, 1914
Wood's Long-eared Bat (English)	*Nycteris woodi* K. Andersen, 1914
Woods Schlitznasen-Fledermaus (German)	*Nycteris woodi* K. Andersen, 1914
Wood's Slit-faced Bat (English)	*Nycteris woodi* K. Andersen, 1914
Woodse Langoorvlermuis (Afrikaans)	*Nycteris woodi* K. Andersen, 1914
Wood-spleetneusvlermuis (Afrikaans)	*Nycteris woodi* K. Andersen, 1914
Woolly bats (English)	*Kerivoulinae* Miller, 1907
Woolly Bats (English)	*Kerivoula* Gray, 1842
Woolly Rousette (English)	*Stenonycteris lanosus* (Thomas, 1906)
wrápenec menší (Czech)	*Rhinolophus hipposideros* (Bechstein, 1800)
wrápenec pahrbečný (Czech)	*Rhinolophus clivosus* Cretzschmar, 1828
wrápenec podkowní (Czech)	*Rhinolophus ferrumequinum* (Schreber, 1774)
wrápenec trojzeykowý (Czech)	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
wrápenecové (Czech)	*Rhinolophus* Lacépède, 1799
Wrinkled-lipped Bats (English)	*MOLOSSIDAE* Gervais, 1856
Wrinkled-lipped Bats (English)	*Molossinae* Gervais, 1856
Wrinkle-lipped Bat (English)	*Tadarida teniotis* (Rafinesque, 1814)
Wrinkle-lipped Bats (English)	*Chaerephon* Dobson, 1874
Wüsten-Großohren (German)	*Otonycteris* Peters, 1859
Yellow bats (English)	*Scotophilus* Leach, 1821
Yellow House Bat (English)	*Scotophilus dinganii* (A. Smith, 1833)
Yellow Pipistrelle Bat (English)	*Neoromicia flavescens* (Seabra, 1900)
Yellow Serotine (English)	*Neoromicia flavescens* (Seabra, 1900)
Yellow-bellied House Bat (English)	*Scotophilus dinganii* (A. Smith, 1833)
Yellow-haired fruit bat (English)	*Eidolon helvum* (Kerr, 1792)
Yellow-winged Bat (English)	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Yellow-winged Bats (English)	*Lavia* Gray, 1838
Yellow-winged Short-palate Fruit-bat (English)	*Casinycteris argynnis* Thomas, 1910
Zaïre Gland-tailed Bat (English)	*Chaerephon gallagheri* (Harrison, 1975)
zakrslí netopýři (Czech)	*Pipistrellus* Kaup, 1829
Zenker's Fruit Bat (English)	*Scotonycteris zenkeri* Matschie, 1894
Zenkers Harlekin-Flughund (German)	*Scotonycteris zenkeri* Matschie, 1894
Zenker's Harlequin Fruit-bat (English)	*Scotonycteris zenkeri* Matschie, 1894
Zenker's Tear-drop Fruit-bat (English)	*Scotonycteris zenkeri* Matschie, 1894
Ziama Horseshoe Bat (first use Simmons, 2005: 365) (English)	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
Ziama-Hufeisennase (German)	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
Zorra Voladora (Spanish (Castillian))	*Epomophorus wahlbergi* (Sundevall, 1846)
Zorra Voladora Amarilla (Spanish (Castillian))	*Eidolon helvum* (Kerr, 1792)
Zorra Voladora de Collar (Spanish (Castillian))	*Myonycteris torquata* (Dobson, 1878)
Zorra Voladora de Zenker (Spanish (Castillian))	*Scotonycteris zenkeri* Matschie, 1894
Zorro volador de Aldabra (Spanish (Castillian))	*Pteropus aldabrensis* True, 1893
Zorro volador de la isla Rodrigues (Spanish (Castillian))	*Pteropus rodricensis* Dobson, 1878
Zorro volador de las Seychelles (Spanish (Castillian))	*Pteropus seychellensis* A. Milne-Edwards, 1877
Zorro Volador De Livingston (Spanish (Castillian))	*Pteropus livingstonii* Gray, 1866
Zorro volador de Madagascar (Spanish (Castillian))	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Zorro volador de Voeltzkow (Spanish (Castillian))	*Pteropus voeltzkowi* Matschie, 1909
Zorro volador negro de Mauricio (Spanish (Castillian))	*Pteropus niger* (Kerr, 1792)
Zorro volador oscuro de Mauricio (Spanish (Castillian))	*Pteropus subniger* (Kerr, 1792)
Zuideuropese bulvleermuis (Dutch)	*Tadarida teniotis* (Rafinesque, 1814)
Zulu Pipistrelle Bat (English)	*Neoromicia zuluensis* (Roberts, 1924)
Zulu Serotine Bat (English)	*Neoromicia zuluensis* (Roberts, 1924)
Zulu-Pipistrelle (German)	*Neoromicia zuluensis* (Roberts, 1924)
Zulu-Zwergfledermaus (German)	*Neoromicia zuluensis* (Roberts, 1924)
Zwarte Komorenkalong (Dutch)	*Pteropus livingstonii* Gray, 1866
zweistreifige Doggengrämler (German)	*Chaerephon bivittatus* (Heuglin, 1861)
Zwerg-Bulldoggfledermaus (German)	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Zwerg-Doggengrämler (German)	*Chaerephon pumilus* (Cretzschmar, 1826)
Zwergfledermaus (German)	*Pipistrellus pipistrellus* (Schreber, 1774)
Zwergfledermäuse (German)	*Pipistrellus* Kaup, 1829
Zwergflughunde (German)	*Nanonycteris* Matschie, 1899
Zwerg-Langflügelfledermaus (German)	*Miniopterus minor* Peters, 1867
Zwerg-Schlitznasenfledermaus (German)	*Nycteris nana* (K. Andersen, 1912)
Zyklopen-Rundblattnase (German)	*Doryrhina cyclops* (Temminck, 1853)

Appendix 3f: Common Names by Language

"Congolese"

Kubukubo	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Papo	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)

Afrikaans

Aalwyndakvlermuis; Aalwynvlermuis	*Neoromicia zuluensis* (Roberts, 1924)
Anchieta-vlermuis	*Hypsugo anchietae* (Seabra, 1900)
Angola-langhaarvlermuis	*Cistugo seabrae* Thomas, 1912
Angola-losstertvlermuis	*Mops (Mops) condylurus* (A. Smith, 1833)
Angolase Losstervlermuis	*Mops (Mops) condylurus* (A. Smith, 1833)
Angolase Vlerkkliervlermuis	*Cistugo seabrae* Thomas, 1912
Angola-witkolvrugtevlermuis	*Epomophorus angolensis* Gray, 1870
Ansorge se losstertvlermuis	*Chaerephon ansorgei* (Thomas, 1913)
Ansorge-losstertvlermuis	*Chaerephon ansorgei* (Thomas, 1913)
Bakoor-losstertvlermuis	*Otomops martiensseni* (Matschie, 1897)
Bleek losstertvlermuis	*Chaerephon chapini* J.A. Allen, 1917
Bocage se vrugtevlermuis	*Myonycteris angolensis* (Bocage, 1898)
Bocagese Losstertvlermuis	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
Bocage-vrugtevlermuis	*Myonycteris angolensis* (Bocage, 1898)
Bosveldsaalneusvlermuis	*Rhinolophus simulator* K. Andersen, 1904
Bosveldvlermuis	*Rhinolophus simulator* K. Andersen, 1904
Botswana-langoorvlermuis	*Laephotis botswanae* Setzer, 1971
Commerson se bladneusvlermuis	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Commerson se bladneusvlermuis	*Macronycteris gigas* (Wagner, 1845)
Commerson-bladneusvlermuis	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Commerson-bladneusvlermuis	*Macronycteris gigas* (Wagner, 1845)
Commersonse Blaarneusvlermuis	*Macronycteris gigas* (Wagner, 1845)
Commersonse Blaarneusvlermuis	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Damaralandse Wolhaarvlermuis	*Kerivoula argentata* Tomes, 1861
Damara-wolhaarvlermuis	*Kerivoula argentata* Tomes, 1861
Darling se saalneusvlermuis	*Rhinolophus darlingi* K. Andersen, 1905
Darling-saalneusvlermuis	*Rhinolophus darlingi* K. Andersen, 1905
Dent se saalneusvlermuis	*Rhinolophus denti* Thomas, 1904
Dent-saalneusvlermuis	*Rhinolophus denti* Thomas, 1904
Dentse Vlermuis	*Rhinolophus denti* Thomas, 1904
Dobson se vrugtevlermuis	*Epomophorus dobsonii* Bocage, 1889
Dobson-vrugtevlermuis	*Epomophorus dobsonii* Bocage, 1889
Drietand-blaarneusvlermuis	*Cloeotis percivali* Thomas, 1901
Drietand-bladneusvlermuis	*Cloeotis percivali* Thomas, 1901
Egiptiese losstertvlermuis	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Egiptiese spleetneusvlermuis	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Egiptiese vrugtevlermuis	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Egiptiese witlyfvlermuis	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Gambiaanse witkolvrugtevlermuis	*Epomophorus gambianus* (Ogilby, 1835)
Geel Dakvlermuis	*Scotophilus dinganii* (A. Smith, 1833)
Geel vrugtevlermuis	*Eidolon helvum* (Kerr, 1792)
Geoffroy se saalneusvlermuis	*Rhinolophus clivosus* Cretzschmar, 1828
Geoffroy-saalneusvlermuis	*Rhinolophus clivosus* Cretzschmar, 1828
Geoffroyse vlermuis	*Rhinolophus clivosus* Cretzschmar, 1828
Gevlekte losstertvlermuis	*Chaerephon bivittatus* (Heuglin, 1861)
Gewone-spleetneusvlermuis	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Groot geel dakvlermuis	*Scotophilus nigrita* (Schreber, 1774)
Groot grotvlermuis	*Miniopterus inflatus* Thomas, 1903
Groot spleetneusvlermuis	*Nycteris grandis* Peters, 1865
Grootoor-losstervlermuis	*Tadarida lobata* (Thomas, 1891)
Groter spleetneusvlermuis	*Nycteris macrotis* Dobson, 1876
Haagnerse Platkopvlermuis	*Sauromys petrophilus haagneri* (Roberts, 1917)
Harige Langoorvlermuis	*Nycteris hispida* (Schreber, 1774)
Harige spleetneusvlermuis	*Nycteris hispida* (Schreber, 1774)
Hildebrandt se saalneusvlermuis	*Rhinolophus hildebrandtii* Peters, 1878
Hildebrandt-saalneusvlermuis	*Rhinolophus hildebrandtii* Peters, 1878
Hildebrandtse Vlermuis	*Rhinolophus hildebrandtii* Peters, 1878
Kaapse Blaarneusvlermuis	*Hipposideros caffer* (Sundevall, 1846)
Kaapse dakvlermuis	*Neoromicia capensis* (A. Smith, 1829)
Kaapse Langhaarvlermuis	*Myotis tricolor* (Temminck, 1832)

Kaapse Langoorvlermuis	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Kaapse saalneusvlermuis	*Rhinolophus capensis* Lichtenstein, 1823
Kaapse Vlermuis	*Rhinolophus capensis* Lichtenstein, 1823
Klein dakvlermuis	*Nycticeinops schlieffenii* (Peters, 1859)
Klein geel dakvlermuis	*Scotophilus viridis* (Peters, 1852)
Klein grotvlermuis	*Miniopterus fraterculus* Thomas and Schwann, 1906
Klein losstertvlermuis	*Chaerephon pumilus* (Cretzschmar, 1826)
Klein Vrugtevlermuis	*Epomophorus crypturus* Peters, 1852
Klein wolhaarvlermuis	*Kerivoula lanosa* (A. Smith, 1847)
Kuhl se vlermuis	*Pipistrellus kuhlii* (Kuhl, 1817)
Kuhl-vlermuis	*Pipistrellus kuhlii* (Kuhl, 1817)
Lander se saalneusvlermuis	*Rhinolophus landeri* Martin, 1838
Lander-saalneusvlermuis	*Rhinolophus landeri* Martin, 1838
Langoor-vlermuise	*NYCTERIDAE* Van der Hoeven, 1855
Langstert-dakvlermuis	*Eptesicus hottentotus* (A. Smith, 1833)
Lesueur se langhaarvlermuis	*Cistugo lesueuri* Roberts, 1919
Lesueur-langhaarvlermuis	*Cistugo lesueuri* Roberts, 1919
Lesueurse Vlerkkliervlermuis	*Cistugo lesueuri* Roberts, 1919
Madagaskarse grootlosstertvlermuis	*Tadarida fulminans* (Thomas, 1903)
Midas se losstertvlermuis	*Mops (Mops) midas* (Sundevall, 1843)
Midas-losstertvlermuis	*Mops (Mops) midas* (Sundevall, 1843)
Namib-langoorvlermuis	*Laephotis namibensis* Setzer, 1971
Natalse losstertvlermuis	*Mormopterus acetabulosus* (Hermann, 1804)
Nigeriese losstertvlermuis	*Chaerephon nigeriae* Thomas, 1913
Peters se witkolvrugtevlermuis	*Epomophorus crypturus* Peters, 1852
Peters-witkolvrugtevlermuis	*Epomophorus crypturus* Peters, 1852
Piesangvlermuis	*Neoromicia nana* (Peters, 1852)
Platkop-losstertvlermuis	*Sauromys petrophilus* (Roberts, 1917)
Rendal-dakvlermuis	*Neoromicia rendalli* (Thomas, 1889)
Rendall se dakvlermuis	*Neoromicia rendalli* (Thomas, 1889)
Reuse losstertvlermuis	*Tadarida ventralis* (Heuglin, 1861)
Roeskleurvlermuis	*Pipistrellus rusticus* (Tomes, 1861)
Rooi langhaarvlermuis	*Myotis bocagii* (Peters, 1870)
Rüppell se saalneusvlermuis	*Rhinolophus fumigatus* Rüppell, 1842
Rüppell se vlermuis	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppell-saalneusvlermuis	*Rhinolophus fumigatus* Rüppell, 1842
Rüppell-vlermuis	*Pipistrellus rueppellii* (Fischer, 1829)
Schlieffen se vlermuis	*Nycticeinops schlieffenii* (Peters, 1859)
Schlieffen-vlermuis	*Nycticeinops schlieffenii* (Peters, 1859)
Schreiber-grotvlermuis	*Miniopterus schreibersii* (Kuhl, 1817)
Schreibers se grotvlermuis	*Miniopterus schreibersii* (Kuhl, 1817)
Skedestertvlermuis	*Coleura afra* (Peters, 1852)
Somali-dakvlermuis	*Neoromicia somalica* (Thomas, 1901)
Spitssaalneusvlermuis	*Rhinolophus blasii* Peters, 1867
Sundevall se bladneusvlermuis	*Hipposideros caffer* (Sundevall, 1846)
Sundevall-bladneusvlermuis	*Hipposideros caffer* (Sundevall, 1846)
Sundevallse blaarneusvlermuis	*Hipposideros caffer* (Sundevall, 1846)
Swinny se saalneusvlermuis	*Rhinolophus swinnyi* Gough, 1908
Swinny-saalneusvlermuis	*Rhinolophus swinnyi* Gough, 1908
Swinnyse Vlermuis	*Rhinolophus swinnyi* Gough, 1908
Temminck se langhaarvlermuis	*Myotis tricolor* (Temminck, 1832)
Temminck-langhaarvlermuis	*Myotis tricolor* (Temminck, 1832)
Thomas se vlermuis	*Scotoecus albofuscus* (Thomas, 1890)
Thomas-vlermuis	*Scotoecus albofuscus* (Thomas, 1890)
Transvaalse losstertvlermuis	*Tadarida ventralis* (Heuglin, 1861)
Vinson se spleetneusvlermuis	*Nycteris vinsoni* Dalquest, 1965
Vlindervlermuis	*Glauconycteris variegata* (Tomes, 1861)
Wahlberg se vrugtevlermuis	*Epomophorus wahlbergi* (Sundevall, 1846)
Wahlberg-witkolvrugtevlermuis	*Epomophorus wahlbergi* (Sundevall, 1846)
Welwitsch se langhaarvlermuis	*Myotis welwitschii* (Gray, 1866)
Welwitsch-langhaarvlermuis	*Myotis welwitschii* (Gray, 1866)
Winton se langoorvlermuis	*Laephotis wintoni* Thomas, 1901
Winton-langoorvlermuis	*Laephotis wintoni* Thomas, 1901
Witlyfvlermuis	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Wood se spleetneusvlermuis	*Nycteris woodi* K. Andersen, 1914
Woodse Langoorvlermuis	*Nycteris woodi* K. Andersen, 1914
Wood-spleetneusvlermuis	*Nycteris woodi* K. Andersen, 1914

Albanian

Lakuriq nate bisht-lire	*Tadarida teniotis* (Rafinesque, 1814)
Lakuriq nate gisht-gjate	*Myotis capaccinii* (Bonaparte, 1837)
Lakuriq nate hundpatkua I Blasius-it	*Rhinolophus blasii* Peters, 1867
Lakuriq nate hundpatkua i madh	*Rhinolophus ferrumequinum* (Schreber, 1774)
Lakuriq nate hundpatkua i Mesdheut	*Rhinolophus euryale* Blasius, 1853

Lakuriq nate hundpatkua i vogel	*Rhinolophus hipposideros* (Bechstein, 1800)
Lakuriq nate i Geoffroy-it	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Lakuriq nate I Schreiber-it	*Miniopterus schreibersii* (Kuhl, 1817)
Lakuriq nate me mustage	*Myotis mystacinus* (Kuhl, 1817)
Noktule e Leisler-it	*Nyctalus leisleri* (Kuhl, 1817)
Pipistrel i Kuhl-it	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrel I Savi-it	*Hypsugo savii* (Bonaparte, 1837)
Pipistrel i zakonshem	*Pipistrellus pipistrellus* (Schreber, 1774)

Arabian

Khafash abiad	*Otonycteris hemprichii* Peters, 1859
Khafash Abu Bouz	*Taphozous nudiventris* Cretzschmar, 1830
Khafash abu bouz saghir	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Khafash abu danab kabir	*Rhinopoma microphyllum* (Brünnich, 1782)
Khafash abu danab saghir	*Rhinopoma cystops* Thomas, 1903
Khafash abu hadwa kabir	*Rhinolophus ferrumequinum* (Schreber, 1774)
Khafash abu hadwa saghir	*Rhinolophus hipposideros* (Bechstein, 1800)
Khafash abu hadweh arabi	*Rhinolophus clivosus* Cretzschmar, 1828
Khafash El Fawakeh	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Khafash Masri	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Khafash Teiba	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Khouchaf al matoussat	*Neoromicia nana* (Peters, 1852)

Azande (DRC)

Fulo	*Chaerephon nigeriae* Thomas, 1913
Fulo	*Neoromicia nana* (Peters, 1852)
Fulo	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Ndima	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Ndima	*Epomophorus labiatus* (Temminck, 1837)
Nkulo	*Hipposideros caffer* (Sundevall, 1846)

Basque

Baso-saguzar arrunt	*Barbastella barbastellus* (Schreber, 1774)
Belarrihandi kanariar	*Plecotus teneriffae* Barrett-Hamilton, 1907
Ferra-saguzan handia	*Rhinolophus ferrumequinum* (Schreber, 1774)
Ferra-saguzar mediterraneoa	*Rhinolophus euryale* Blasius, 1853
Ferra-saguzar txikia	*Rhinolophus hipposideros* (Bechstein, 1800)
Kuhl saguzar	*Pipistrellus kuhlii* (Kuhl, 1817)
Leisler gau-saguzar	*Nyctalus leisleri* (Kuhl, 1817)
Pipistrelo madeiar	*Pipistrellus maderensis* (Dobson, 1878)
Saguzar	*Pipistrellus pipistrellus* (Schreber, 1774)
Saguzar biboteduna	*Myotis mystacinus* (Kuhl, 1817)
Saguzar buztanluzea	*Tadarida teniotis* (Rafinesque, 1814)
Saguzar hankahandia	*Myotis capaccinii* (Bonaparte, 1837)
Savi saguzarra	*Hypsugo savii* (Bonaparte, 1837)
Schreiber saguzarra	*Miniopterus schreibersii* (Kuhl, 1817)

Bengali

Indur-lenji Chamchika	*Rhinopoma microphyllum* (Brünnich, 1782)
Lomba-leji Chamchika	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Savir Chamchika	*Hypsugo savii* (Bonaparte, 1837)

Bosnian

dugokrili slijepi miš	*Miniopterus schreibersii* (Kuhl, 1817)
patuljasti slijepi mi\ić; Catalonian (Spain):: Rat penat comú	*Pipistrellus pipistrellus* (Schreber, 1774)

Catalonian (Spain)

Rat penat cuallarg	*Tadarida teniotis* (Rafinesque, 1814)
Rat penat de bigotis	*Myotis mystacinus* (Kuhl, 1817)
Rat penat de bosc	*Barbastella barbastellus* (Schreber, 1774)
Rat penat de cova	*Miniopterus schreibersii* (Kuhl, 1817)
Rat penat de Madeira	*Pipistrellus maderensis* (Dobson, 1878)
Rat penat de peus grans	*Myotis capaccinii* (Bonaparte, 1837)
Rat penat de vores clares	*Pipistrellus kuhlii* (Kuhl, 1817)
Rat penat gran de ferradura	*Rhinolophus ferrumequinum* (Schreber, 1774)
Rat penat mediterrani de ferradura	*Rhinolophus euryale* Blasius, 1853
Rat penat mitjá de ferradura	*Rhinolophus mehelyi* Matschie, 1901

Rat penat muntanyero	*Hypsugo savii* (Bonaparte, 1837)
Rat penat nóctul gran	*Nyctalus lasiopterus* (Schreber, 1780)
Rat penat nóctul petit	*Nyctalus leisleri* (Kuhl, 1817)
Rat penat orellut canari	*Plecotus teneriffae* Barrett-Hamilton, 1907
Rat penat petit de ferradura	*Rhinolophus hipposideros* (Bechstein, 1800)
Ratapinyada de cova	*Miniopterus schreibersii* (Kuhl, 1817)
Ratapinyada gran de ferradura	*Rhinolophus ferrumequinum* (Schreber, 1774)
Ratapinyada mediterrània de ferradura	*Rhinolophus euryale* Blasius, 1853
Ratapinyada muntayenca	*Hypsugo savii* (Bonaparte, 1837)
Ratapinyada petita de ferradura	*Rhinolophus hipposideros* (Bechstein, 1800)

Chewa

Ndemia	*Neoromicia nana* (Peters, 1852)

Comorian

ndema	*Pteropus seychellensis* A. Milne-Edwards, 1877
ndrema	*Pteropus seychellensis* A. Milne-Edwards, 1877

Creole

Sousouri banann	*Coleura seychellensis* Peters, 1868

Croatian

Blazijev potkovnjak	*Rhinolophus blasii* Peters, 1867
Dugonogi šišmiš	*Myotis capaccinii* (Bonaparte, 1837)
Južni potkovnjak	*Rhinolophus euryale* Blasius, 1853
Mali potkovnjak	*Rhinolophus hipposideros* (Bechstein, 1800)
Mali vecernjak	*Nyctalus leisleri* (Kuhl, 1817)
Meheljev potkovnjak	*Rhinolophus mehelyi* Matschie, 1901
Ridi šišmiš	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Širokouhi mracnjak	*Barbastella barbastellus* (Schreber, 1774)
Veliki potkovnjak	*Rhinolophus ferrumequinum* (Schreber, 1774)
Veliki vecernjak	*Nyctalus lasiopterus* (Schreber, 1780)

Czech

šerowec senegalský	*Nycteris hispida* (Schreber, 1774)
šerowec tébský	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
šerowecové	*Nycteris* G. Cuvier and E. Geoffroy, 1795
širokouší morousi (hroznohledové	*Tadarida* Rafinesque, 1814
širokouší ušanové	*Barbastella* Gray, 1821
žlázokřídlec Lesueurův	*Cistugo lesueuri* Roberts, 1919
žlázokřídlec Seabrův	*Cistugo seabrae* Thomas, 1912
žlázokřídlecové	*Cistugo* Thomas, 1912
žlázokřídlecovití	*CISTUGONIDAE* Lack, Roehrs, Stanley, Ruedi and Van den Bussche, 2010
žlutokřídlí lyronosi	*Lavia* Gray, 1838
banánoví netopýři	*Neoromicia* Roberts, 1926
bejložraví netopýři	*PTEROPODIDAE* Gray, 1821
buldočí pochvorepi	*Coleura* Peters, 1867
cíponos africký	*Triaenops afer* Peters, 1877
cíponos aldabránský	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
cíponos jihoafrický	*Cloeotis percivali* Thomas, 1901
cíponos madagaskarský	*Triaenops menamena* Goodman and Ranivo, 2009
cíponos malý	*Paratriaenops furculus* (Trouessart, 1907)
cíponos zlatý	*Paratriaenops auritus* (G. Grandidier, 1912)
dasíci	*Barbastella* Gray, 1821
dasík černý	*Barbastella barbastellus* (Schreber, 1774)
dasík arabský (netopýr skalní)	*Barbastella leucomelas* (Cretzschmar, 1826)
de Wintonovi netopýři	*Laephotis* Thomas, 1901
dlouhojazyční kaloni	*Megaloglossus* Pagenstecher, 1885
dutonosec	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
dutonosecové	*Nycteris* G. Cuvier and E. Geoffroy, 1795
egyptští kaloni	*Rousettus* Gray, 1821
embalonurovití	*EMBALLONURIDAE* Gervais, 1855
Grayovi kaloni	*Epomops* Gray, 1866
hadozubí kaloni	*Scotonycteris* Matschie, 1894
hrobkovec egyptský	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
hrobkovec guinejský	*Saccolaimus peli* (Temminck, 1853)
hrobkovec lysobřichý	*Taphozous nudiventris* Cretzschmar, 1830
hrobkovec mauricijský	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818

hrobkovec východoafrický	*Taphozous hildegardeae* Thomas, 1909
hrobkovec východoafrický	*Taphozous hamiltoni* Thomas, 1920
hroznohled pyskatý	*Tadarida teniotis* (Rafinesque, 1814)
ještěří morousi	*Sauromys* Roberts, 1917
jihoafričtí cíponosi	*Cloeotis* Thomas, 1901
kaloň štítohlavý	*Hypsignathus monstrosus* H. Allen, 1862
kaloň aldabránský	*Pteropus aldabrensis* True, 1893
kaloň angolský	*Epomophorus angolensis* Gray, 1870
kaloň Ansellův	*Epomophorus anselli* Bergmans and Van Strien, 2004
kaloň Büttikoferův	*Epomops buettikoferi* (Matschie, 1899)
kaloň dlouhojazyčný	*Megaloglossus woermanni* Pagenstecher, 1885
kaloň Dobsonův	*Epomophorus dobsonii* Bocage, 1889
kaloň egyptský	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
kaloň Franquetův	*Epomops franqueti* (Tomes, 1860)
kaloň Grandidierův	*Rousettus madagascariensis* G. Grandidier, 1929
kaloň habešský	*Epomophorus minimus* Claessen & De Vree, 1991
kaloň hadozubý	*Casinycteris ophiodon* (Pohle, 1943)
kaloň Haymannův	*Micropteropus intermedius* Hayman, 1963
kaloň kladivohlavý	*Hypsignathus monstrosus* H. Allen, 1862
kaloň Kockův	*Rousettus obliviosus* Kock, 1978
kaloň komorský	*Pteropus livingstonii* Gray, 1866
kaloň krátkonebý	*Casinycteris argynnis* Thomas, 1910
kaloň límcový	*Myonycteris torquata* (Dobson, 1878)
kaloň měkkosrstý	*Myonycteris angolensis* (Bocage, 1898)
kaloň madagaskarský	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
kaloň malgašský	*Eidolon dupreanum* (Schegel, 1867)
kaloň maskarénský	*Pteropus subniger* (Kerr, 1792)
kaloň mauricijský	*Pteropus niger* (Kerr, 1792)
kaloň menší	*Epomophorus minor* Dobson, 1880
kaloň mosambický	*Epomophorus crypturus* Peters, 1852
kaloň nigerijský	*Micropteropus pusillus* (Peters, 1868)
kaloň nilský	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
kaloň obojkový	*Pteropus subniger* (Kerr, 1792)
kaloň palmový	*Eidolon helvum* (Kerr, 1792)
kaloň pembánský	*Pteropus voeltzkowi* Matschie, 1909
kaloň pembský	*Pteropus voeltzkowi* Matschie, 1909
kaloň plavý	*Epomops franqueti* (Tomes, 1860)
kaloň plavý	*Eidolon helvum* (Kerr, 1792)
kaloň pyložravý	*Plerotes anchietae* (Seabra, 1900)
kaloň rodrigueský	*Pteropus rodricensis* Dobson, 1878
kaloň Sanbornův	*Epomophorus grandis* (Sanborn, 1950)
kaloň seychelský	*Pteropus seychellensis* A. Milne-Edwards, 1877
kaloň sudánský	*Epomophorus labiatus* (Temminck, 1837)
kaloň tomášský	*Myonycteris brachycephala* (Bocage, 1889)
kaloň úzkokřídlý	*Eidolon helvum* (Kerr, 1792)
kaloň východoafrický	*Myonycteris relicta* Bergmans, 1980
kaloň výložkový	*Epomophorus gambianus* (Ogilby, 1835)
kaloň větší	*Epomophorus gambianus* (Ogilby, 1835)
kaloň Veldkampův	*Nanonycteris veldkampii* (Jentink, 1888)
kaloň vlnatý	*Stenonycteris lanosus* (Thomas, 1906)
kaloň Wahlbergův	*Epomophorus wahlbergi* (Sundevall, 1846)
kaloň zanzibarský	*Epomophorus minor* Dobson, 1880
kaloň Zenkerův	*Scotonycteris zenkeri* Matschie, 1894
kaloň zlatý	*Pteropus rodricensis* Dobson, 1878
kaloňotvaří	*PTEROPODIFORMI* Van Cakenberghe, Kearney and Seamark, 2007
kaloňovci	*PTEROPODOIDEA* Gray, 1821
kaloňovití	*PTEROPODIDAE* Gray, 1821
kaloni	*PTEROPODOIDEA* Gray, 1821
kerivula africká	*Kerivoula africana* Dobson, 1878
kerivuly	*Kerivoulinae* Miller, 1907
kladivohlaví kaloni	*Hypsignathus* H. Allen, 1862
klaponos egyptský	*Rhinopoma microphyllum* (Brünnich, 1782)
klaponosové	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
kožnatcovití	*MEGADERMATIDAE* H. Allen, 1864
krátkonebí kaloni	*Casinycteris* Thomas, 1910
krysoví morousi	*Myopterus* E. Geoffroy St.-Hilaire, 1818
lesní netopýři (lesní létači)	*Nyctalus* Bowdich, 1825
létací lišky	*PTEROPODIDAE* Gray, 1821
létací psi	*PTEROPODIDAE* Gray, 1821
letaunowé	*CHIROPTERA* Blumenbach, 1779
létavci	*Miniopterus* Bonaparte, 1837
létavcovití	*MINIOPTERIDAE* Dobson, 1875
létavec Aellenův	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
létavec evropský	*Miniopterus schreibersii* (Kuhl, 1817)

létavec Glenův	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
létavec jihoafrický	*Miniopterus fraterculus* Thomas and Schwann, 1906
létavec komorský	*Miniopterus griveaudi* Harrison, 1959
létavec maghrebský	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
létavec manavijský	*Miniopterus manavi* Thomas, 1906
létavec natalský	*Miniopterus natalensis* (A. Smith, 1833)
létavec nejmenší	*Miniopterus minor* Peters, 1867
létavec Petersonův	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
létavec sesterský	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
létavec stěhovavý	*Miniopterus schreibersii* (Kuhl, 1817)
létavec tomášský	*Miniopterus newtoni* Bocage, 1889
létavec východoafrický	*Miniopterus africanus* Sanborn, 1936
létavec východomadagaskarský	*Miniopterus majori* Thomas, 1906
létavec větší	*Miniopterus inflatus* Thomas, 1903
letouň lesní	*Nyctalus leisleri* (Kuhl, 1817)
letouň zakrpený	*Pipistrellus pipistrellus* (Schreber, 1774)
letouni či netopýři	*CHIROPTERA* Blumenbach, 1779
letouni lysoblaní	*CHIROPTERA* Blumenbach, 1779
límcoví kaloni	*Myonycteris* Matschie, 1899
listonos africký	*Hipposideros caffer* (Sundevall, 1846)
listonos trojzubcový	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
listonosovití	*HIPPOSIDERIDAE* Lydekker, 1891
lyronos žlutokřídlý	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
lyronos srdcový	*Cardioderma cor* (Peters, 1872)
lyronosovití	*MEGADERMATIDAE* H. Allen, 1864
měkkosrstí kaloni	*Myonycteris* Matschie, 1899
malý vrápenec podkovní	*Rhinolophus hipposideros* (Bechstein, 1800)
malí cíponosi	*Paratriaenops* Benda and Vallo, 2009
malí morousi	*Chaerephon* Dobson, 1874
megaderma žlutokřídlá	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
megaderma africká	*Cardioderma cor* (Peters, 1872)
megadermovití	*MEGADERMATIDAE* H. Allen, 1864
Moloneyovi netopýři	*Mimetillus* Thomas, 1904
morous širokouchý	*Tadarida lobata* (Thomas, 1891)
morous africký	*Tadarida ventralis* (Heuglin, 1861)
morous angolský	*Mops (Mops) condylurus* (A. Smith, 1833)
morous Ansorgeův	*Chaerephon ansorgei* (Thomas, 1913)
morous bělobřichý	*Chaerephon leucogaster* (A. Grandidier, 1869)
morous běloskvrnný	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
morous chocholatý	*Chaerephon chapini* J.A. Allen, 1917
morous egyptský	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
morous evropský	*Tadarida teniotis* (Rafinesque, 1814)
morous guinejský	*Chaerephon russatus* J.A. Allen, 1917
morous ještěří	*Sauromys petrophilus* (Roberts, 1917)
morous jižní	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
morous kamerunský	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
morous kivuský	*Chaerephon gallagheri* (Harrison, 1975)
morous konžský	*Mops (Mops) congicus* J.A. Allen, 1917
morous krátkokřídlý	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
morous krysový	*Myopterus daubentonii* Desmarest, 1820
morous liberijský	*Chaerephon bemmeleni* (Jentink, 1879)
morous madagaskarský	*Otomops madagascariensis* Dorst, 1953
morous malý	*Chaerephon pumilus* (Cretzschmar, 1826)
morous malgašský	*Chaerephon jobimena* Goodman and Cardiff, 2004
morous Martienssenův	*Otomops martiensseni* (Matschie, 1897)
morous mauricijský	*Mormopterus acetabulosus* (Hermann, 1804)
morous mongallanský	*Mops (Mops) demonstrator* (Thomas, 1903)
morous niangaranský	*Mops (Mops) niangarae* J.A. Allen, 1917
morous nigerijský	*Chaerephon nigeriae* Thomas, 1913
morous nubijský	*Chaerephon major* (Trouessart, 1897)
morous oslí	*Mops (Mops) midas* (Sundevall, 1843)
morous Petersův	*Mormopterus jugularis* (Peters, 1865)
morous plochý	*Platymops setiger* (Peters, 1878)
morous réunionský	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
morous sahelský	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
morous seychelský	*Chaerephon pusillus* (Miller, 1902)
morous skvrnitý	*Chaerephon bivittatus* (Heuglin, 1861)
morous sněhobílý	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
morous spílavý	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
morous Stanleyův	*Mops (Xiphonycteris) bakarii* Stanley, 2009
morous tomášský	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
morous Trevorův	*Mops (Mops) trevori* J.A. Allen, 1917

morous trpasličí	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
morous východoafrický	*Tadarida fulminans* (Thomas, 1903)
morous vévodský	*Chaerephon aloysiisabaudiae* (Festa, 1907)
morous západoafrický	*Myopterus whitleyi* (Scharff, 1900)
morousovití	*MOLOSSIDAE* Gervais, 1856
motýlí netopýři	*Glauconycteris* Dobson, 1875
mračník bělobřichý	*Scotophilus leucogaster* (Cretzschmar, 1826)
mračník Goodmanův	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
mračník guinejský	*Scotophilus nucella* Robbins, 1983
mračník madagaskarský	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
mračník ořechový	*Scotophilus nux* Thomas, 1904
mračník olbřímí	*Scotophilus nigrita* (Schreber, 1774)
mračník réunionský	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
mračník statný	*Scotophilus robustus* A. Milne-Edwards, 1881
mračník zelený	*Scotophilus viridis* (Peters, 1852)
mračníkové	*Scotophilinae* Van Cakenberghe and Seamark, 2008
mračníkové	*Scotophilus* Leach, 1821
mrakolibové	*Scotophilus* Leach, 1821
myzopoda ušatá	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
myzopodovití	*MYZOPODIDAE* Thomas, 1904
myzopody	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
nedopír širokouchý	*Miniopterus schreibersii* (Kuhl, 1817)
nedopír brvitý	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
nedopír celouchý	*Pipistrellus kuhlii* (Kuhl, 1817)
nedopír chlupatopěstný	*Nyctalus leisleri* (Kuhl, 1817)
nedopír chlupatopestrý	*Nyctalus leisleri* (Kuhl, 1817)
nedopír hvízdavý	*Pipistrellus pipistrellus* (Schreber, 1774)
nedopír wraubkowaný	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
netopýrotva ří	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
netopýři	*VESPERTILIONIFORMACEI* Van Cakenberghe, Kearney and Seamark, 2007
netopýři širokouší	*Barbastella* Gray, 1821
netopýři bradožlází	*Taphozous* E. Geoffroy St.-Hilaire, 1818
netopýři buldočí	*MOLOSSIDAE* Gervais, 1856
netopýři dlouhorucí	*MINIOPTERIDAE* Dobson, 1875
netopýři dlouhorucí	*Miniopterus* Bonaparte, 1837
netopýři hladkonosí	*EMBALLONURIDAE* Gervais, 1855
netopýři holonosí	*VESPERTILIONIDAE* Gray, 1821
netopýři morousovití	*Tadarida* Rafinesque, 1814
netopýři myší	*Myotis* Kaup, 1829
netopýr černý	*Barbastella barbastellus* (Schreber, 1774)
netopýr červenohlavý	*Pipistrellus kuhlii* (Kuhl, 1817)
netopýr šplhavý	*Neoromicia nana* (Peters, 1852)
netopýr abonský	*Glauconycteris poensis* (Gray, 1842)
netopýr alpský	*Hypsugo savii* (Bonaparte, 1837)
netopýr anžuánský	*Myotis anjouanensis* (Dorst, 1960)
netopýr Anchietův	*Hypsugo anchietae* (Seabra, 1900)
netopýr angolský	*Laephotis angolensis* Monard, 1935
netopýr azorský	*Nyctalus azoreum* (Thomas, 1901)
netopýr bělobřichý	*Scotophilus leucogaster* (Cretzschmar, 1826)
netopýr běloblanný	*Neoromicia tenuipinnis* (Peters, 1872)
netopýr bělohrdlý	*Scotoecus albigula* Thomas, 1909
netopýr banánový	*Neoromicia nana* (Peters, 1852)
netopýr bečuánský	*Laephotis botswanae* Setzer, 1971
netopýr bibundinský	*Glauconycteris egeria* Thomas, 1913
netopýr Bocageův	*Myotis bocagii* (Peters, 1870)
netopýr Bottův	*Eptesicus bottae* (Peters, 1869)
netopýr brvitý	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
netopýr buldočí	*Coleura afra* (Peters, 1852)
netopýr damarský	*Pipistrellus rusticus* (Tomes, 1861)
netopýr damarský	*Neoromicia capensis* (A. Smith, 1829)
netopýr dvoubarvý	*Pipistrellus rueppellii* (Fischer, 1829)
netopýr efulenský	*Pipistrellus nanulus* Thomas, 1904
netopýr Flowerův	*Eptesicus floweri* (de Winton, 1901)
netopýr galangánský	*Neoromicia flavescens* (Seabra, 1900)
netopýr gambiánský	*Scotoecus albofuscus* (Thomas, 1890)
netopýr gargueský	*Pipistrellus aero* Heller, 1912
netopýr Glenův	*Glauconycteris gleni* Peterson and Smith, 1973
netopýr guinejský	*Hypsugo eisentrauti* (Hill, 1968)
netopýr habešský	*Myotis scotti* Thomas, 1927
netopýr Hindeův	*Scotoecus hindei* Thomas, 1901
netopýr hnědý	*Neoromicia capensis* (A. Smith, 1829)

netopýr hotentotský	*Eptesicus hottentotus* (A. Smith, 1833)
netopýr hrobkový	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
netopýr hvízdavý	*Pipistrellus pipistrellus* (Schreber, 1774)
netopýr iturijský	*Glauconycteris superba* Hayman, 1939
netopýr jižní	*Pipistrellus hesperidus* (Temminck, 1840)
netopýr jižní	*Pipistrellus kuhlii* (Kuhl, 1817)
netopýr kalabarský	*Neoromicia brunnea* (Thomas, 1880)
netopýr kamerunský	*Pipistrellus inexspectatus* Aellen, 1959
netopýr kanárský	*Plecotus teneriffae* Barrett-Hamilton, 1907
netopýr kapský	*Neoromicia capensis* (A. Smith, 1829)
netopýr keňský	*Glauconycteris kenyacola* Peterson, 1982
netopýr Kockův	*Myotis dieteri* M. Happold, 2005
netopýr konžský	*Glauconycteris curryae* Eger and Schlitter, 2001
netopýr koptový	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
netopýr krátkouchý	*Nycticeinops schlieffenii* (Peters, 1859)
netopýr kyrénský	*Pipistrellus hanaki* Hulva and Benda, 2004
netopýr Leislerův	*Nyctalus leisleri* (Kuhl, 1817)
netopýr lysobřichý	*Taphozous nudiventris* Cretzschmar, 1830
netopýr Machadův	*Glauconycteris machadoi* Hayman, 1963
netopýr madagaskarský	*Myotis goudoti* (A. Smith, 1834)
netopýr madeirský	*Pipistrellus maderensis* (Dobson, 1878)
netopýr makaronéský	*Pipistrellus maderensis* (Dobson, 1878)
netopýr malý	*Pipistrellus pipistrellus* (Schreber, 1774)
netopýr malgašský	*Neoromicia matroka* (Thomas and Schwann, 1905)
netopýr mauricijský	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
netopýr mechový	*Hypsugo musciculus* (Thomas, 1913)
netopýr medžeský	*Glauconycteris humeralis* J.A. Allen, 1917
netopýr Moloneyův	*Mimetillus moloneyi* (Thomas, 1891)
netopýr mopsličí	*Barbastella barbastellus* (Schreber, 1774)
netopýr Morrisův	*Myotis morrisi* Hill, 1971
netopýr motýlí	*Glauconycteris variegata* (Tomes, 1861)
netopýr namibský	*Laephotis namibensis* Setzer, 1971
netopýr nejmenší (nedopír kařelný)	*Pipistrellus pygmaeus* (Leach, 1825)
netopýr nigerijský	*Eptesicus platyops* (Thomas, 1901)
netopýr obrovský	*Nyctalus lasiopterus* (Schreber, 1780)
netopýr obtloustlý	*Hypsugo crassulus* (Thomas, 1904)
netopýr Ogněvův	*Eptesicus bottae* (Peters, 1869)
netopýr pisklavý	*Pipistrellus pipistrellus* (Schreber, 1774)
netopýr pouštní	*Hypsugo ariel* (Thomas, 1904)
netopýr pruhovaný	*Glauconycteris alboguttata* J.A. Allen, 1917
netopýr punský	*Myotis punicus* Felten, 1977
netopýr pustinný	*Otonycteris hemprichii* Peters, 1859
netopýr Rendallův	*Neoromicia rendalli* (Thomas, 1889)
netopýr rovníkový	*Glauconycteris beatrix* Thomas, 1901
netopýr Rüppellův	*Pipistrellus rueppellii* (Fischer, 1829)
netopýr savanový	*Neoromicia guineensis* (Bocage, 1889)
netopýr Saviův	*Hypsugo savii* (Bonaparte, 1837)
netopýr Schlieffenův	*Nycticeinops schlieffenii* (Peters, 1859)
netopýr seychelský	*Coleura seychellensis* Peters, 1868
netopýr slujový	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
netopýr slunečný	*Neoromicia helios* (Heller, 1912)
netopýr somálský	*Neoromicia somalica* (Thomas, 1901)
netopýr stříbrný	*Glauconycteris argentata* (Dobson, 1875)
netopýr stromový	*Nyctalus leisleri* (Kuhl, 1817)
netopýr tanganjický	*Pipistrellus permixtus* Aellen, 1957
netopýr tripolitánský	*Eptesicus isabellinus* (Temminck, 1840)
netopýr trojbarvý	*Myotis tricolor* (Temminck, 1832)
netopýr vlaštovčí	*Scotoecus hirundo* (de Winton, 1899)
netopýr vlnatý	*Kerivoula africana* Dobson, 1878
netopýr vousatý	*Myotis mystacinus* (Kuhl, 1817)
netopýr vrásopyskatý	*Tadarida teniotis* (Rafinesque, 1814)
netopýr vroubený	*Pipistrellus kuhlii* (Kuhl, 1817)
netopýr Welwitschův	*Myotis welwitschii* (Gray, 1866)
netopýr Welwitschiův	*Myotis welwitschii* (Gray, 1866)
netopýr Wintonův	*Laephotis wintoni* Thomas, 1901
netopýr zelený	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
netopýr zuluský	*Neoromicia zuluensis* (Roberts, 1924)
netopýrcové	*Myotinae* Tate, 1942
netopýrcové	*Myotis* Kaup, 1829
netopýrec brvitý	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
netopýrek ušatý	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
netopýrkové ušatí	*MYZOPODIDAE* Thomas, 1904
netopýrov ci	*VESPERTILIONOIDEA* Gray, 1821
netopýrovití	*VESPERTILIONIDAE* Gray, 1821
netopýr dlouhonohý	*Myotis capaccinii* (Bonaparte, 1837)

nigerijští kaloni	*Micropteropus* Matschie, 1899
noční kaloni	*Rousettus* Gray, 1821
nosalec malolupenný	*Rhinopoma microphyllum* (Brünnich, 1782)
nosalecové	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
nycteris velká	*Nycteris grandis* Peters, 1865
nykteridovití	*NYCTERIDAE* Van der Hoeven, 1855
nykteridy	*Nycteris* G. Cuvier and E. Geoffroy, 1795
nykteris egyptská	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
nykteris velkoucha	*Nycteris macrotis* Dobson, 1876
obecný	*Rhinolophus ferrumequinum* (Schreber, 1774)
ouška myší	*Myotis* Kaup, 1829
příšerec egipecký	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
příšerecové	*Chaerephon* Dobson, 1874
přísavkovci	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
přísavkovcovití	*MYZOPODIDAE* Thomas, 1904
přísavkovec bělobřichý	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
přísavkovec ušatý	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
pavrápencovití	*HIPPOSIDERIDAE* Lydekker, 1891
pavrápenec abánský	*Hipposideros abae* J.A. Allen, 1917
pavrápenec Aellenův	*Hipposideros marisae* Aellen, 1954
pavrápenec africký	*Hipposideros caffer* (Sundevall, 1846)
pavrápenec Commersonův	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
pavrápenec eritrejský	*Asellia patrizii* de Beaux, 1931
pavrápenec guinejský	*Hipposideros beatus* (K. Andersen, 1906)
pavrápenec Jonesův	*Hipposideros jonesi* Hayman, 1947
pavrápenec kamerunský	*Hipposideros camerunensis* Eisentraut, 1956
pavrápenec krátkoocasý	*Hipposideros curtus* G.M. Allen, 1921
pavrápenec Kyklop	*Doryrhina cyclops* (Temminck, 1853)
pavrápenec natalský	*Hipposideros caffer* (Sundevall, 1846)
pavrápenec nimbánský	*Hipposideros lamottei* Brosset, 1985
pavrápenec obrovský	*Macronycteris gigas* (Wagner, 1845)
pavrápenec sahelský	*Hipposideros tephrus* (Cabrera, 1906)
pavrápenec sazový	*Hipposideros fuliginosus* (Temminck, 1853)
pavrápenec trojzubcový	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
pavrápenec ušatý	*Hipposideros megalotis* (Heuglin, 1861)
Petersovi morousi	*Mormopterus* Peters, 1865
plaví kaloni	*Eidolon* Rafinesque, 1815
pletušanové	*Plecotus* E. Geoffroy St.-Hilaire, 1818
ploší morousi	*Platymops* Thomas, 1906
pochvorep buldočí	*Coleura afra* (Peters, 1852)
pochvorep madagaskarský	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
pochvorep seychelský	*Coleura seychellensis* Peters, 1868
pochvorepovití	*EMBALLONURIDAE* Gervais, 1855
podkováček	*Rhinolophus ferrumequinum* (Schreber, 1774)
podkováčkové	*Rhinolophus* Lacépède, 1799
podkováček	*Rhinolophus ferrumequinum* (Schreber, 1774)
podvečerníkové	*Eptesicus* Rafinesque, 1820
praví hrobkovci	*Taphozous* E. Geoffroy St.-Hilaire, 1818
praví kaloni	*Pteropus* Erxleben, 1777
praví morousi	*Molossinae* Gervais, 1856
praví netopýři	*Vespertilioninae* Gray, 1821
praví pavrápenci	*Hipposideros* Gray, 1831
praví ušani (ušanové	*Plecotus* E. Geoffroy St.-Hilaire, 1818
praví vlnouškové	*Kerivoula* Gray, 1842
psi noční	*Rousettus* Gray, 1821
psohubec myšový	*Tadarida teniotis* (Rafinesque, 1814)
ptákossavci	*CHIROPTERA* Blumenbach, 1779
pustinní ušani	*Otonycteris* Peters, 1859
pyložraví kaloni	*Plerotes* K. Andersen, 1910
rýhonos štětinatý	*Nycteris hispida* (Schreber, 1774)
rýhonos drobný	*Nycteris nana* (K. Andersen, 1912)
rýhonos egyptský	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
rýhonos guinejský	*Nycteris arge* Thomas, 1903
rýhonos jihoafrický	*Nycteris woodi* K. Andersen, 1914
rýhonos kamerunský	*Nycteris major* (K. Andersen, 1912)
rýhonos madagaskarský	*Nycteris madagascariensis* G. Grandidier, 1937
rýhonos mosambický	*Nycteris vinsoni* Dalquest, 1965
rýhonos prostřední	*Nycteris intermedia* Aellen, 1959
rýhonos somálský	*Nycteris parisii* (de Beaux, 1924)
rýhonos východoafrický	*Nycteris aurita* (K. Andersen, 1912)
rýhonos velký	*Nycteris grandis* Peters, 1865
rýhonos velkouchý	*Nycteris macrotis* Dobson, 1876

rýhonos západoafrický	*Nycteris gambiensis* (K. Andersen, 1912)
rýhonosi	*Nycteris* G. Cuvier and E. Geoffroy, 1795
rýhonosovití	*NYCTERIDAE* Van der Hoeven, 1855
saukušan	*Barbastella barbastellus* (Schreber, 1774)
saukušanové	*Barbastella* Gray, 1821
Schlieffenovi netopýři	*Nycticeinops* Hill & Harrison, 1987
skalní netopýři	*Hypsugo* Kolenati, 1856
spaka krysová	*Myopterus daubentonii* Desmarest, 1820
spaky	*Myopterus* E. Geoffroy St.-Hilaire, 1818
srdcoví lyronosi	*Cardioderma* Peters, 1873
srostlouch	*Barbastella barbastellus* (Schreber, 1774)
srostlouchové	*Plecotus* E. Geoffroy St.-Hilaire, 1818
stejnoušan zejkatý	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
strostlouchové	*Barbastella* Gray, 1821
tadarida africká	*Tadarida ventralis* (Heuglin, 1861)
tadarida evropská	*Tadarida teniotis* (Rafinesque, 1814)
tadarida jižní	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
tadarida malá	*Chaerephon pumilus* (Cretzschmar, 1826)
tadaridovití	*MOLOSSIDAE* Gervais, 1856
trojzubcoví pavrápenci	*Asellia* Gray, 1838
ušan širokouchý	*Barbastella barbastellus* (Schreber, 1774)
ušan berberský	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
ušan egyptský	*Plecotus christii* Gray, 1838
ušan habešský	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
ušan kanárský	*Plecotus teneriffae* Barrett-Hamilton, 1907
ušan pustinný	*Otonycteris hemprichii* Peters, 1859
upír černolící	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
upír červenokrký	*Pteropus subniger* (Kerr, 1792)
upír bledý	*Eidolon helvum* (Kerr, 1792)
upír egypecký	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
upír obecný	*Pteropus subniger* (Kerr, 1792)
upírové	*Pteropus* Erxleben, 1777
upírové	*CHIROPTERA* Blumenbach, 1779
upírové	*PTEROPODIDAE* Gray, 1821
výložkoví kaloni	*Epomophorus* Bennett, 1836
vakoví hrobkovci	*Saccolaimus* Temminck, 1838
vampýrovci	*NOCTILIONOIDEA* Gray, 1821
večerní netopýři	*Eptesicus* Rafinesque, 1820
velcí cíponosi	*Triaenops* Dobson, 1871
velcí morousi	*Mops* Lesson, 1842
Veldkampovi kaloni	*Nanonycteris* Matschie, 1899
veliký vrápenec podkovní	*Rhinolophus ferrumequinum* (Schreber, 1774)
velkouší morousi	*Otomops* Thomas, 1913
víkonos	*Rhinopoma microphyllum* (Brünnich, 1782)
víkonos africký	*Rhinopoma cystops* Thomas, 1903
víkonos asijský	*Rhinopoma microphyllum* (Brünnich, 1782)
víkonos egyptský	*Rhinopoma microphyllum* (Brünnich, 1782)
víkonos východoafrický	*Rhinopoma macinnesi* Hayman, 1937
víkonos velký	*Rhinopoma microphyllum* (Brünnich, 1782)
víkonosi	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
víkonosovití	*RHINOPOMATIDAE* Dobson, 1872
vlaštovčí netopýři	*Scotoecus* Thomas, 1901
vlastní vrápenci	*RHINOLOPHIDAE* Gray, 1825
vlnoušek bronzový	*Kerivoula cuprosa* Thomas, 1912
vlnoušek damarský	*Kerivoula argentata* Tomes, 1861
vlnoušek habešský	*Kerivoula eriophora* (Heuglin, 1877)
vlnoušek malý	*Kerivoula lanosa* (A. Smith, 1847)
vlnoušek východoafrický	*Kerivoula africana* Dobson, 1878
vlnoušek západoafrický	*Kerivoula phalaena* Thomas, 1912
vlnouškové	*Kerivoulinae* Miller, 1907
vrápenci	*RHINOLOPHOIDEA* J. E. Gray, 1825
vrápenci	*Rhinolophus* Lacépède, 1799
vrápencovci	*RHINOLOPHOIDEA* J. E. Gray, 1825
vrápencovití	*RHINOLOPHIDAE* Gray, 1825
vrápenec	*Rhinolophus* Lacépède, 1799
vrápenec Adamův	*Rhinolophus adami* Aellen and Brosset, 1968
vrápenec Alcyone	*Rhinolophus alcyone* Temminck, 1853
vrápenec Blasiův	*Rhinolophus blasii* Peters, 1867
vrápenec cíponosý	*Triaenops afer* Peters, 1877
vrápenec Darlingův	*Rhinolophus darlingi* K. Andersen, 1905
vrápenec Dentův	*Rhinolophus denti* Thomas, 1904
vrápenec guinejský	*Rhinolophus guineensis* Eisentraut, 1960
vrápenec Hildebrandtův	*Rhinolophus hildebrandtii* Peters, 1878
vrápenec Hillův	*Rhinolophus hilli* Aellen, 1973
vrápenec jižní	*Rhinolophus euryale* Blasius, 1853
vrápenec jihoafrický	*Rhinolophus capensis* Lichtenstein, 1823

vrápenec kouřový	*Rhinolophus fumigatus* Rüppell, 1842
vrápenec Landerův	*Rhinolophus landeri* Martin, 1838
vrápenec liberijský	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
vrápenec Maclaudův	*Rhinolophus maclaudi* Pousargues, 1898
vrápenec malý	*Rhinolophus hipposideros* (Bechstein, 1800)
vrápenec Mehelyův	*Rhinolophus mehelyi* Matschie, 1901
vrápenec menší	*Rhinolophus hipposideros* (Bechstein, 1800)
vrápenec moravský	*Rhinolophus hipposideros* (Bechstein, 1800)
vrápenec mosambický	*Rhinolophus swinnyi* Gough, 1908
vrapenec pahrbeční	*Rhinolophus blasii* Peters, 1867
vrapenec pahrbeční	*Rhinolophus clivosus* Cretzschmar, 1828
vrápenec podkovní	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápenec podkovníček	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápenec podkrovní	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápenec pouštní	*Rhinolophus clivosus* Cretzschmar, 1828
vrápenec ruwenzorijský	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
vrápenec sakežianský	*Rhinolophus sakejiensis* Cotterill, 2002
vrápenec středozemský	*Rhinolophus euryale* Blasius, 1853
vrápenec tanganjický	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
vrápenec ugandský	*Rhinolophus eloquens* K. Andersen, 1905
vrápenec východoafrický	*Rhinolophus deckenii* Peters, 1868
vrápenec veliký	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápenec velký	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápenec západoafrický	*Rhinolophus hillorum* Koopman, 1989
vrápeník malý	*Rhinolophus hipposideros* (Bechstein, 1800)
vrápeník podkovní	*Rhinolophus ferrumequinum* (Schreber, 1774)
vrápeníkové	*Rhinolophus* Lacépède, 1799
vrápníkové	*Rhinolophus* Lacépède, 1799
vrásničové	*Plecotus* E. Geoffroy St.-Hilaire, 1818
wečerník prowrtaný	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
wečerník senegalský	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
wečerníkové	*Taphozous* E. Geoffroy St.-Hilaire, 1818
weloblánec lupenatý	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
wrápenec menší	*Rhinolophus hipposideros* (Bechstein, 1800)
wrápenec pahrbečný	*Rhinolophus clivosus* Cretzschmar, 1828
wrápenec podkowní	*Rhinolophus ferrumequinum* (Schreber, 1774)
wrápenec trojzeykowý	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
wrápenecové	*Rhinolophus* Lacépède, 1799
zakrslí netopýři	*Pipistrellus* Kaup, 1829

Danish

Bredøret flagermus	*Barbastella barbastellus* (Schreber, 1774)
Dværgflagermus	*Pipistrellus pygmaeus* (Leach, 1825)
Dværgflagermus	*Pipistrellus pipistrellus* (Schreber, 1774)
Dvaerghesteskonaese	*Rhinolophus hipposideros* (Bechstein, 1800)
Leisler's flagermus	*Nyctalus leisleri* (Kuhl, 1817)
Pipistrelflagermus	*Pipistrellus pipistrellus* (Schreber, 1774)
Skæægflagermus	*Myotis mystacinus* (Kuhl, 1817)
Stor hesteskonaese	*Rhinolophus ferrumequinum* (Schreber, 1774)

Dutch

(Gewone) Dwergvleermuis	*Pipistrellus pipistrellus* (Schreber, 1774)
(Grote) Langvleugelvleermuis	*Miniopterus schreibersii* (Kuhl, 1817)
Alpendwergvleermuis	*Hypsugo savii* (Bonaparte, 1837)
Alpenvleermuis	*Hypsugo savii* (Bonaparte, 1837)
Arabische mopsvleermuis	*Barbastella leucomelas* (Cretzschmar, 1826)
Azorenvleermuis	*Nyctalus azoreum* (Thomas, 1901)
Baardvleermuis	*Myotis mystacinus* (Kuhl, 1817)
Bladneusvleermuizen	*HIPPOSIDERIDAE* Lydekker, 1891
Blasius-hoefijzerneus	*Rhinolophus blasii* Peters, 1867
Bosvleermuis	*Nyctalus leisleri* (Kuhl, 1817)
Botta's vleermuis	*Eptesicus bottae* (Peters, 1869)
Buldogvleermuizen	*MOLOSSIDAE* Gervais, 1856
Bulveermuis	*Tadarida teniotis* (Rafinesque, 1814)
Cabrera's rondbladneus	*Hipposideros tephrus* (Cabrera, 1906)
Canarische grootoorvleermuis	*Plecotus teneriffae* Barrett-Hamilton, 1907
Capaccini's vleermuis	*Myotis capaccinii* (Bonaparte, 1837)
Drietandbladneusvleermuis	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Dwarsoorvleermuis	*Barbastella barbastellus* (Schreber, 1774)
Egyptische grafvleermuis	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Egyptische grootoorvleermuis	*Plecotus christii* Gray, 1838

Egyptischte bulvleermuis	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Europese bulvleermuis	*Tadarida teniotis* (Rafinesque, 1814)
Fenicische vale vleermuis	*Myotis punicus* Felten, 1977
Gaislers grootoorvleermuis	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
Geoffroy's hoefijzerneus	*Rhinolophus clivosus* Cretzschmar, 1828
Gewone pisang blad vleermuis	*Myotis mystacinus* (Kuhl, 1817)
Gladneusvleermuizen	*VESPERTILIONIDAE* Gray, 1821
Grote fruitvleermuizen	*PTEROPODIDAE* Gray, 1821
Grote hoefijzerneus	*Rhinolophus ferrumequinum* (Schreber, 1774)
Grote klapneusvleermuis	*Rhinopoma microphyllum* (Brünnich, 1782)
Grote rosse vleermuis	*Nyctalus lasiopterus* (Schreber, 1780)
Hanak's dwergvleermuis	*Pipistrellus hanaki* Hulva and Benda, 2004
Hartneusvleermuis	*Cardioderma cor* (Peters, 1872)
Hoefijzerneusvleermuizen	*RHINOLOPHIDAE* Gray, 1825
Hoefijzerneuzen	*RHINOLOPHIDAE* Gray, 1825
Hoefijzerneuzen	*Rhinolophus* Lacépède, 1799
Horacekcs hoefijzerneus	*Rhinolophus horaceki* Benda and Vallo, 2012
Ingekorven vleermuis	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Isabelvleermuis	*Eptesicus isabellinus* (Temminck, 1840)
Kaalbuikgrafvleermuis	*Taphozous nudiventris* Cretzschmar, 1830
Kalongs	*Pteropus* Erxleben, 1777
Kleine dwergvleermuis	*Pipistrellus pygmaeus* (Leach, 1825)
Kleine hoefijzerneus	*Rhinolophus hipposideros* (Bechstein, 1800)
Kleine klapneusvleermuis	*Rhinopoma cystops* Thomas, 1903
Knight's Egyptische vleermuis	*Aegyptonycteris knightae* Simmons, Seiffert and Gunnell, 2016
Kuhl's dwergvleermuis	*Pipistrellus kuhlii* (Kuhl, 1817)
Langstaartvleermuizen	*RHINOPOMATIDAE* Dobson, 1872
Langvleugelvleermuizen	*MINIOPTERIDAE* Dobson, 1875
Madagassische hechtschijfvleermuizen	*MYZOPODIDAE* Thomas, 1904
Madeiradwergvleermuis	*Pipistrellus maderensis* (Dobson, 1878)
Maghrebijns langvleugelvleermuis	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Mehely-hoefijzerneus	*Rhinolophus mehelyi* Matschie, 1901
Mopsvleermuis	*Barbastella barbastellus* (Schreber, 1774)
Muisstaartvleermuizen	*RHINOPOMATIDAE* Dobson, 1872
Nijlrousettus	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Onechte vampieren	*MEGADERMATIDAE* H. Allen, 1864
Paarse hoefijzerneus	*Rhinolophus euryale* Blasius, 1853
Pemba vliegende hond	*Pteropus voeltzkowi* Matschie, 1909
Rodriguez vliegende hond	*Pteropus rodricensis* Dobson, 1878
Rüppells dwergvleermuis	*Pipistrellus rueppellii* (Fischer, 1829)
Savi's dwergvleermuis	*Hypsugo savii* (Bonaparte, 1837)
Schedestaartvleermuizen	*EMBALLONURIDAE* Gervais, 1855
Schlieffens vleermuis	*Nycticeinops schlieffenii* (Peters, 1859)
Schoudervlekkalong	*Pteropus livingstonii* Gray, 1866
Schreiber's vleermuis	*Miniopterus schreibersii* (Kuhl, 1817)
Spleetneusvleermuizen	*NYCTERIDAE* Van der Hoeven, 1855
Thebaanse spleetneusvleermuis	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Vleermuizen	*CHIROPTERA* Blumenbach, 1779
Vliegende honden	*PTEROPODIDAE* Gray, 1821
Westelijke mopsvleermuis	*Barbastella barbastellus* (Schreber, 1774)
Woestijndwergvleermuis	*Hypsugo ariel* (Thomas, 1904)
Woestijngrootoorvleermuis	*Otonycteris hemprichii* Peters, 1859
Zuideuropese bulvleermuis	*Tadarida teniotis* (Rafinesque, 1814)
Zwarte Komorenkalong	*Pteropus livingstonii* Gray, 1866

English

45 kHz Pipistrelle	*Pipistrellus pipistrellus* (Schreber, 1774)
55 kHz pipistrelle	*Pipistrellus pygmaeus* (Leach, 1825)
Aba Leaf-nosed Bat	*Hipposideros abae* J.A. Allen, 1917
Aba Roundleaf Bat	*Hipposideros abae* J.A. Allen, 1917
Abo Bat	*Glauconycteris poensis* (Gray, 1842)
Abo Butterfly Bat	*Glauconycteris poensis* (Gray, 1842)
Abruzzi's Wrinkle-lipped Bat	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Abyssinian Horseshoe Bat	*Rhinolophus fumigatus* Rüppell, 1842
Adam's Horseshoe Bat	*Rhinolophus adami* Aellen and Brosset, 1968
Aellen's Leaf-nosed Bat	*Hipposideros marisae* Aellen, 1954
Aellen's Long-fingered Bat	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
Aellen's Pipistrelle	*Pipistrellus inexspectatus* Aellen, 1959
Aellen's Pipistrelle Bat	*Pipistrellus inexspectatus* Aellen, 1959
Aellen's Roundleaf Bat	*Hipposideros marisae* Aellen, 1954
Aerial Pipistrelle Bat	*Pipistrellus aero* Heller, 1912

African Epauletted bats	*Epomops* Gray, 1866
African False Vampire Bat	*Cardioderma cor* (Peters, 1872)
African False Vampire Bats	*Cardioderma* Peters, 1873
African Free-tailed Bats	*Myopterus* E. Geoffroy St.-Hilaire, 1818
African Giant Free-tailed Bat	*Tadarida ventralis* (Heuglin, 1861)
African Heart-nosed Bat	*Cardioderma cor* (Peters, 1872)
African Long-eared Bats	*Laephotis* Thomas, 1901
African Long-fingered Bat	*Miniopterus africanus* Sanborn, 1936
African Long-tongued Bat	*Megaloglossus woermanni* Pagenstecher, 1885
African Long-tongued Fruit-bats	*Megaloglossus* Pagenstecher, 1885
African Nectar Fruit-bats	*Megaloglossus* Pagenstecher, 1885
African pipistrelle	*Pipistrellus hesperidus* (Temminck, 1840)
African Sheath-tailed Bat	*Coleura afra* (Peters, 1852)
African Straw-coloured Fruit-bat	*Eidolon helvum* (Kerr, 1792)
African Taphozous	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
African Trident Bat	*Cloeotis percivali* Thomas, 1901
African Trident Bat	*Triaenops afer* Peters, 1877
African Trident Bats	*Cloeotis* Thomas, 1901
African Trident-nosed Bats	*Cloeotis* Thomas, 1901
African Woolly Bat	*Kerivoula africana* Dobson, 1878
African Yellow Bat	*Scotophilus dinganii* (A. Smith, 1833)
African Yellow House Bat	*Scotophilus dinganii* (A. Smith, 1833)
African Yellow-winged Bat	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Aldabra Flying Fox	*Pteropus aldabrensis* True, 1893
Aldabra Flying-fox	*Pteropus aldabrensis* True, 1893
Allen's Butterfly Bat	*Glauconycteris alboguttata* J.A. Allen, 1917
Allen's Spotted Bat	*Glauconycteris humeralis* J.A. Allen, 1917
Allen's Striped Bat	*Glauconycteris alboguttata* J.A. Allen, 1917
Aloe Bat	*Neoromicia zuluensis* (Roberts, 1924)
Aloe Serotine	*Neoromicia zuluensis* (Roberts, 1924)
Aloe Serotine Bat	*Neoromicia zuluensis* (Roberts, 1924)
Anchieta's Bat	*Hypsugo anchietae* (Seabra, 1900)
Anchieta's Fruit Bat	*Plerotes anchietae* (Seabra, 1900)
Anchieta's Pipistrelle	*Hypsugo anchietae* (Seabra, 1900)
Anchieta's Plerote Fruit-bat	*Plerotes anchietae* (Seabra, 1900)
Andersen's Slit-faced Bat	*Nycteris aurita* (K. Andersen, 1912)
Andrew Rebori's House Bat	*Scotophilus andrewreborii* Brooks and Bickham, 2014
Angolan Epauletted Fruit Bat	*Epomophorus angolensis* Gray, 1870
Angolan Epauletted Fruit-bat	*Epomophorus angolensis* Gray, 1870
Angolan Free-tailed Bat	*Mops (Mops) condylurus* (A. Smith, 1833)
Angolan Fruit Bat	*Myonycteris angolensis* (Bocage, 1898)
Angolan Hairy Bat	*Cistugo seabrae* Thomas, 1912
Angolan Long-eared Bat	*Laephotis angolensis* Monard, 1935
Angolan Long-haired Fruit-bat	*Myonycteris angolensis* (Bocage, 1898)
Angolan Mops Bat	*Mops (Mops) condylurus* (A. Smith, 1833)
Angolan Rousette	*Myonycteris angolensis* (Bocage, 1898)
Angolan Soft-furred Fruit-bat	*Myonycteris angolensis* (Bocage, 1898)
Angolan Wing-gland Bat	*Cistugo seabrae* Thomas, 1912
Anjouan Mouse-eared Bat	*Myotis anjouanensis* (Dorst, 1960)
Anjouan Myotis	*Myotis anjouanensis* (Dorst, 1960)
Ansorge's Free-tailed Bat	*Chaerephon ansorgei* (Thomas, 1913)
Ansorge's Wrinkle-lipped Bat	*Chaerephon ansorgei* (Thomas, 1913)
Arabian barbastelle	*Barbastella leucomelas* (Cretzschmar, 1826)
Arabian Horseshoe Bat	*Rhinolophus clivosus* Cretzschmar, 1828
Ariel Pipistrelle	*Hypsugo ariel* (Thomas, 1904)
Asian Barbastelle	*Barbastella leucomelas* (Cretzschmar, 1826)
Asiatic Barbastelle	*Barbastella leucomelas* (Cretzschmar, 1826)
Azores noctule	*Nyctalus azoreum* (Thomas, 1901)
Badger bat	*Glauconycteris superba* Hayman, 1939
Bale Big-eared Bat	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Bale Long-eared Bat	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Balli Slit-faced Bat	*Nycteris parisii* (de Beaux, 1924)
Banana Bat	*Neoromicia nana* (Peters, 1852)
Banana Pipistrelle	*Neoromicia nana* (Peters, 1852)
Banana Pipistrelle Bat	*Neoromicia nana* (Peters, 1852)
Barbastelle	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle bat	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle Bats	*Barbastella* Gray, 1821
Barbastelles	*Barbastella* Gray, 1821
Bates's Slit-faced Bat	*Nycteris arge* Thomas, 1903
Bats	*CHIROPTERA* Blumenbach, 1779
Beatrix Bufferfly Bat	*Glauconycteris beatrix* Thomas, 1901
Beatrix's Bat	*Glauconycteris beatrix* Thomas, 1901
Benguela Fruit-bat	*Plerotes anchietae* (Seabra, 1900)
Benito Leaf-nosed Bat	*Hipposideros beatus* (K. Andersen, 1906)
Benito Roundleaf Bat	*Hipposideros beatus* (K. Andersen, 1906)

Bent-winged bat	*Miniopterus schreibersii* (Kuhl, 1817)
Bent-winged Bats	*Miniopterus* Bonaparte, 1837
Bergmans's Collared Fruit Bat	*Myonycteris relicta* Bergmans, 1980
Bergmans's fruit bat	*Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Bergmans's Small Fruit Bat	*Myonycteris relicta* Bergmans, 1980
Bibundi Bat	*Glauconycteris egeria* Thomas, 1913
Bibundi Bufferfly Bat	*Glauconycteris egeria* Thomas, 1913
Big-brown bats	*Eptesicus* Rafinesque, 1820
Big-eared Bats	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Big-eared Bulldog Bats	*Otomops* Thomas, 1913
Big-eared Free-tailed Bat	*Tadarida lobata* (Thomas, 1891)
Big-eared Free-tailed Bats	*Otomops* Thomas, 1913
Big-eared Guano Bat	*Tadarida lobata* (Thomas, 1891)
Big-eared Kenya Free-tailed Bat	*Tadarida lobata* (Thomas, 1891)
Big-eared Kenyan Guano Bat	*Tadarida lobata* (Thomas, 1891)
Big-eared leaf-nosed bat	*Hipposideros megalotis* (Heuglin, 1861)
Big-eared slit-faced bat	*Nycteris macrotis* Dobson, 1876
Bini Free-tailed Bat	*Myopterus whitleyi* (Scharff, 1900)
Bini Winged-mouse Bat	*Myopterus whitleyi* (Scharff, 1900)
Black and Red Free-tailed Bat	*Chaerephon jobimena* Goodman and Cardiff, 2004
Black Clinging Bat	*Miniopterus fraterculus* Thomas and Schwann, 1906
Black Flying- fox	*Pteropus livingstonii* Gray, 1866
Blackish Butterfly Bat	*Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
Blasius's Horseshoe bat	*Rhinolophus blasii* Peters, 1867
Blue-grey Bats	*Glauconycteris* Dobson, 1875
Bocage Banana Bat	*Myotis bocagii* (Peters, 1870)
Bocage's Free-tailed Bat	*Tadarida aegyptiaca bocagei* (Seabra, 1900)
Bocage's Fruit-bat	*Myonycteris angolensis* (Bocage, 1898)
Bocage's Hairy Bat	*Myotis bocagii* (Peters, 1870)
Bocage's Mouse-eared Bat	*Myotis bocagii* (Peters, 1870)
Bonneted Bats	*Molossinae* Gervais, 1856
Bonneted Bats	*MOLOSSIDAE* Gervais, 1856
Botswana Long-eared Bat	*Laephotis botswanae* Setzer, 1971
Botswanan Long-eared Bat	*Laephotis botswanae* Setzer, 1971
Botta's Serotine	*Eptesicus bottae* (Peters, 1869)
Botta's Serotine Bat	*Eptesicus bottae* (Peters, 1869)
Bourbon Bat	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Broad-headed Pipistrelle	*Hypsugo crassulus* (Thomas, 1904)
Broad-headed Pipistrelle Bat	*Hypsugo crassulus* (Thomas, 1904)
Brown bats	*Scotophilus* Leach, 1821
Brown House Bat	*Scotophilus nigrita* (Schreber, 1774)
Brown Pipistrelle Bat	*Neoromicia brunnea* (Thomas, 1880)
Brunnich's Mouse-tailed Bat	*Rhinopoma microphyllum* (Brünnich, 1782)
Buettikofer's Clamorous Fruit-bat	*Epomops buettikoferi* (Matschie, 1899)
Buettikofer's Epauletted Bat	*Epomops buettikoferi* (Matschie, 1899)
Buettikofer's Epauletted Fruit Bat	*Epomops buettikoferi* (Matschie, 1899)
Bulldog Bats	*MOLOSSIDAE* Gervais, 1856
Bulldog Bats	*Molossinae* Gervais, 1856
Bushveld Horseshoe Bat	*Rhinolophus simulator* K. Andersen, 1904
Butterfly Bat	*Glauconycteris variegata* (Tomes, 1861)
Butterfly Bats	*Glauconycteris* Dobson, 1875
Büttikofer's Fruit Bat	*Epomops buettikoferi* (Matschie, 1899)
Cameroon Leaf-nosed Bat	*Hipposideros camerunensis* Eisentraut, 1956
Campo-Ma'an fruit bat	*Casinycteris campomaanensis* Hassanin, 2014
Canary big-eared bat	*Plecotus teneriffae* Barrett-Hamilton, 1907
Canary Long-eared bat	*Plecotus teneriffae* Barrett-Hamilton, 1907
Canon Smith's Rousette	*Myonycteris angolensis* (Bocage, 1898)
Capaccinii's Mouse-eared Bat	*Myotis capaccinii* (Bonaparte, 1837)
Cape bat	*Neoromicia capensis* (A. Smith, 1829)
Cape Hairy Bat	*Myotis tricolor* (Temminck, 1832)
Cape Hairy Myotis	*Myotis tricolor* (Temminck, 1832)
Cape Horseshoe Bat	*Rhinolophus capensis* Lichtenstein, 1823
Cape House Bat	*Neoromicia capensis* (A. Smith, 1829)
Cape Leaf-nosed bat	*Hipposideros caffer* (Sundevall, 1846)
Cape Long-eared Bat	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Cape Myotis	*Myotis tricolor* (Temminck, 1832)
Cape Pipistrelle Bat	*Neoromicia capensis* (A. Smith, 1829)
Cape Serotine	*Neoromicia capensis* (A. Smith, 1829)
Cape Serotine Bat	*Neoromicia capensis* (A. Smith, 1829)
Central Africa Pipistrelle	*Pipistrellus inexspectatus* Aellen, 1959
Chapin's Free-tailed Bat	*Chaerephon chapini* J.A. Allen, 1917
Chapin's Wrinkle-lipped Bat	*Chaerephon chapini* J.A. Allen, 1917

Christie's Long-eared Bat	*Plecotus christii* Gray, 1838
Clamorous Fruit-bats	*Epomops* Gray, 1866
Cohen's Horseshoe Bat	*Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Collared Fruit-bats	*Myonycteris* Matschie, 1899
Commerson's Leaf-nosed Bat	*Macronycteris gigas* (Wagner, 1845)
Commerson's Leaf-nosed Bat	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Commerson's Rhinolph	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Commerson's Rhinolph	*Macronycteris gigas* (Wagner, 1845)
Commerson's roundleaf bat	*Macronycteris gigas* (Wagner, 1845)
Commerson's roundleaf bat	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Common African Leaf-nosed Bat	*Hipposideros caffer* (Sundevall, 1846)
Common Barbastelle	*Barbastella barbastellus* (Schreber, 1774)
Common Bentwing Bat	*Miniopterus schreibersii* (Kuhl, 1817)
Common Bent-winged Bat	*Miniopterus schreibersii* (Kuhl, 1817)
Common Butterfly Bat	*Glauconycteris argentata* (Dobson, 1875)
Common Long-fingered Bat	*Miniopterus schreibersii* (Kuhl, 1817)
Common Pipistrelle	*Pipistrellus pipistrellus* (Schreber, 1774)
Common Pipistrelle Bat	*Pipistrellus pipistrellus* (Schreber, 1774)
Common Slit-faced Bat	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Comores Flying Fox	*Pteropus livingstonii* Gray, 1866
Comoro Black Flying Fox	*Pteropus livingstonii* Gray, 1866
Comoro Flying Fox	*Pteropus livingstonii* Gray, 1866
Comoro Rousette	*Rousettus obliviosus* Kock, 1978
Congo Horseshoe Bat	*Rhinolophus adami* Aellen and Brosset, 1968
Copper Woolly Bat	*Kerivoula cuprosa* Thomas, 1912
Crested Free-tail Bat	*Chaerephon chapini* J.A. Allen, 1917
Crested Wrinkle-lipped Bat	*Chaerephon chapini* J.A. Allen, 1917
Cretzschmar's Brown Bat	*Scotophilus leucogaster* (Cretzschmar, 1826)
Cretzschmar's Horseshoe bat	*Rhinolophus clivosus* Cretzschmar, 1828
Curry's Bat	*Glauconycteris curryae* Eger and Schlitter, 2001
Curry's Butterfly Bat	*Glauconycteris curryae* Eger and Schlitter, 2001
Cyclops Bat	*Doryrhina cyclops* (Temminck, 1853)
Cyclops Leaf-nosed Bat	*Doryrhina cyclops* (Temminck, 1853)
Cyclops Roundleaf Bat	*Doryrhina cyclops* (Temminck, 1853)
Damara Woolly Bat	*Kerivoula argentata* Tomes, 1861
D'Anchieta's Fruit Bat	*Plerotes anchietae* (Seabra, 1900)
Dar-es-salaam Pipistrelle	*Pipistrellus permixtus* Aellen, 1957
Dar-es-Salaam Pipistrelle Bat	*Pipistrellus permixtus* Aellen, 1957
Dark Flying Fox	*Pteropus subniger* (Kerr, 1792)
Dark House Bat	*Scotophilus nux* Thomas, 1904
Dark-brown Pipistrelle Bat	*Neoromicia brunnea* (Thomas, 1880)
Dark-brown Serotine	*Neoromicia brunnea* (Thomas, 1880)
Dark-winged Lesser House Bat	*Scotoecus hirundo* (de Winton, 1899)
Darling's Horseshoe Bat	*Rhinolophus darlingi* K. Andersen, 1905
Daubenton's Free-tailed Bat	*Myopterus daubentonii* Desmarest, 1820
Daubenton's Winged-mouse Bat	*Myopterus daubentonii* Desmarest, 1820
De Beaux's Trident Bat	*Asellia italosomalica* de Beaux, 1931
De Winton's Long-eared Bat	*Laephotis wintoni* Thomas, 1901
Decken's Horseshoe Bat	*Rhinolophus deckenii* Peters, 1868
Dent's Horseshoe Bat	*Rhinolophus denti* Thomas, 1904
Desert Bats	*Otonycteris* Peters, 1859
Desert Big-eared Bats	*Otonycteris* Peters, 1859
Desert Long-eared Bat	*Otonycteris hemprichii* Peters, 1859
Desert Long-eared Bats	*Otonycteris* Peters, 1859
Desert Pipistrelle	*Hypsugo ariel* (Thomas, 1904)
Dingaan's House Bat	*Scotophilus dinganii* (A. Smith, 1833)
Dingaan's Yellow Bat	*Scotophilus dinganii* (A. Smith, 1833)
Dingan's Bat	*Scotophilus dinganii* (A. Smith, 1833)
Dja Slit-faced Bat; Large Slit-faced Bat	*Nycteris major* (K. Andersen, 1912)
Dobson's Bats	*Glauconycteris* Dobson, 1875
Dobson's Epauletted Bat	*Epomophorus dobsonii* Bocage, 1889
Dobson's Epauletted Fruit Bat	*Epomophorus dobsonii* Bocage, 1889
Dobson's Fruit Bat	*Epomophorus dobsonii* Bocage, 1889
Duke of Abruzzi's Free-tailed Bat	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Duke of Abruzzi's Wrinkle-lipped Bat	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Dusky leaf-nosed bat	*Hipposideros fuliginosus* (Temminck, 1853)
dusky pipistrelle	*Pipistrellus hesperidus* (Temminck, 1840)
Dwarf Epauletted Bat	*Myonycteris* Matschie, 1899
Dwarf Epauletted Fruit Bat	*Micropteropus pusillus* (Peters, 1868)
Dwarf epauletted fruit bats	*Micropteropus* Matschie, 1899
Dwarf Free-tailed Bat	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Dwarf Fruit-bats	*Nanonycteris* Matschie, 1899

Dwarf Leaf-nosed Bat	*Hipposideros beatus* (K. Andersen, 1906)
Dwarf Mops Bat	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Dwarf Pipistrelle Bat	*Pipistrellus nanulus* Thomas, 1904
Dwarf Slit-faced Bat	*Nycteris nana* (K. Andersen, 1912)
East African Collared Fruit-bat	*Myonycteris relicta* Bergmans, 1980
East African Epauletted Fruit Bat	*Epomophorus minimus* Claessen & De Vree, 1991
East African Epauletted Fruit-bat	*Epomophorus minimus* Claessen & De Vree, 1991
East African Flat-headed Bat	*Platymops setiger* (Peters, 1878)
East African Flat-headed Bats	*Platymops* Thomas, 1906
East African Little Collared Fruit Bat	*Myonycteris relicta* Bergmans, 1980
East African Trident Bat	*Cloeotis percivali* Thomas, 1901
Eastern Africa Free-tailed Bat	*Tadarida lobata* (Thomas, 1891)
Eastern Africa horseshoe bat	*Rhinolophus deckenii* Peters, 1868
Eastern Barbastelle	*Barbastella leucomelas* (Cretzschmar, 1826)
Eastern Barbastelle Bat	*Barbastella leucomelas* (Cretzschmar, 1826)
Eastern Sucker-footed Bat	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Eger's long-fingered bat	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
Egyptian Desert Pipistrelle	*Hypsugo ariel* (Thomas, 1904)
Egyptian Free-tailed Bat	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Egyptian Fruit Bat	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Egyptian Guano Bat	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Egyptian Mouse-tailed bat	*Rhinopoma cystops* Thomas, 1903
Egyptian Nyctinome	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Egyptian Rousette	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Egyptian Rousette Bat	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Egyptian Sheath-tailed Bat	*Taphozous nudiventris* Cretzschmar, 1830
Egyptian Slit-faced Bat	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Egyptian Tomb Bat	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Egyptian Xantharpy	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Eidolon fruit bats	*Eidolon* Rafinesque, 1815
Eisentraut's Leaf-nosed Bat	*Hipposideros camerunensis* Eisentraut, 1956
Eisentraut's pipistrelle	*Hypsugo eisentrauti* (Hill, 1968)
Eisentraut's Pipistrelle Bat	*Hypsugo eisentrauti* (Hill, 1968)
Ejeta’s House Bat	*Scotophilus ejetai* Brooks and Bickham, 2014
Eloquent Horseshoe Bat	*Rhinolophus eloquens* K. Andersen, 1905
Epaulet bats	*Epomops* Gray, 1866
Epauletted bats	*Epomops* Gray, 1866
Epauletted Fruit-bats	*Epomophorus* Bennett, 1836
Ethiopian Big-eared Bat	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Ethiopian Epauletted Fruit Bat	*Epomophorus labiatus* (Temminck, 1837)
Ethiopian Epauletted Fruit-bat	*Epomophorus labiatus* (Temminck, 1837)
Ethiopian Large-eared Leaf-nosed Bat	*Hipposideros megalotis* (Heuglin, 1861)
Ethiopian Large-eared Roundleaf Bat	*Hipposideros megalotis* (Heuglin, 1861)
Ethiopian Long-eared Bat	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Ethiopian Woolly Bat	*Kerivoula eriophora* (Heuglin, 1877)
Eurasian Free-tailed Bat	*Tadarida teniotis* (Rafinesque, 1814)
European Free-tailed Bat	*Tadarida teniotis* (Rafinesque, 1814)
European Guano Bat	*Tadarida teniotis* (Rafinesque, 1814)
Evening bats	*VESPERTILIONIDAE* Gray, 1821
Fairy Pipistrelle	*Hypsugo ariel* (Thomas, 1904)
False Vampire Bats	*MEGADERMATIDAE* H. Allen, 1864
Felten's Myotis	*Myotis punicus* Felten, 1977
Flat-faced Serotine Bat	*Eptesicus platyops* (Thomas, 1901)
Flat-headed Bats	*Mormopterus* Peters, 1865
Flat-headed Bats	*Mimetillus* Thomas, 1904
Flat-headed Bulldog Bats	*Mormopterus* Peters, 1865
Flat-headed Free-tailed Bat	*Sauromys petrophilus* (Roberts, 1917)
Flat-headed free-tailed bat	*Platymops setiger* (Peters, 1878)
Flat-headed Vesper Bats	*Mimetillus* Thomas, 1904
Flower's Pipistrelle Bat	*Eptesicus floweri* (de Winton, 1901)
Flying Calf	*Nanonycteris veldkampii* (Jentink, 1888)
Flying Foxes	*Pteropus* Erxleben, 1777
Flying-foxes	*Pteropus* Erxleben, 1777
Forest Bats	*Kerivoulinae* Miller, 1907
Forest Horseshoe Bat	*Rhinolophus silvestris* Aellen, 1959
Franquet's Clamorous Fruit-bat	*Epomops franqueti* (Tomes, 1860)
Franquet's Epauletted Fruit Bat	*Epomops franqueti* (Tomes, 1860)
Franquet's Fruit Bat	*Epomops franqueti* (Tomes, 1860)
Free-tailed Bats	*MOLOSSIDAE* Gervais, 1856
Free-tailed Bats	*Tadarida* Rafinesque, 1814
Free-tailed Bats	*Molossinae* Gervais, 1856
Gaisler's Long-eared Bat	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
Gallagher's Free-tailed Bat	*Chaerephon gallagheri* (Harrison, 1975)
Gallagher's Wrinkle-lipped Bat	*Chaerephon gallagheri* (Harrison, 1975)

Gambian Epauleted Bat	*Epomophorus gambianus* (Ogilby, 1835)
Gambian Epauletted Fruit bat	*Epomophorus gambianus* (Ogilby, 1835)
Gambian Slit-faced Bat	*Nycteris gambiensis* (K. Andersen, 1912)
Geat Brown Bat	*Scotophilus nigrita* (Schreber, 1774)
Geoffroy's Bat	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Geoffroy's Horseshoe Bat	*Rhinolophus clivosus* Cretzschmar, 1828
Geoffroy's Lesser Tident Bat	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Geoffroy's Myotis	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Geoffroy's Nycteris	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Geoffroy's Tomb Bat	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Giant African Free-tailed Bat	*Tadarida ventralis* (Heuglin, 1861)
Giant African Guano Bat	*Tadarida ventralis* (Heuglin, 1861)
Giant Brown Bat	*Scotophilus nigrita* (Schreber, 1774)
Giant Brown House Bat	*Scotophilus nigrita* (Schreber, 1774)
Giant Free-tailed Bat	*Tadarida ventralis* (Heuglin, 1861)
Giant gland-tailed bat	*Chaerephon major* (Trouessart, 1897)
Giant Guano Bat	*Tadarida ventralis* (Heuglin, 1861)
Giant House Bat	*Scotophilus nigrita* (Schreber, 1774)
Giant Leaf-nosed Bat	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Giant Leaf-nosed Bat	*Macronycteris gigas* (Wagner, 1845)
Giant Mastiff Bat	*Otomops martiensseni* (Matschie, 1897)
Giant Noctule	*Nyctalus lasiopterus* (Schreber, 1780)
Giant Noctule Bat	*Nyctalus lasiopterus* (Schreber, 1780)
Giant Yellow House Bat	*Scotophilus nigrita* (Schreber, 1774)
Gland-tailed Free-tailed Bat	*Chaerephon bemmeleni* (Jentink, 1879)
Gland-tailed Wrinkle-lipped Bat	*Chaerephon bemmeleni* (Jentink, 1879)
Glauconycterids	*Glauconycteris* Dobson, 1875
Glen's Butterfly Bat	*Glauconycteris gleni* Peterson and Smith, 1973
Glen's Long-fingered Bat	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
Glen's Wattled Bat	*Glauconycteris gleni* Peterson and Smith, 1973
Goblin bats	*Mormopterus* Peters, 1865
Golden Bat	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Golden Short-palate Fruit-bat	*Casinycteris argynnis* Thomas, 1910
Golden Short-palated Fruit Bat	*Casinycteris argynnis* Thomas, 1910
Grandidier`s Pipistrelle	*Pipistrellus grandidieri* (Dobson, 1876)
Grandidier's Free-tailed Bat	*Chaerephon leucogaster* (A. Grandidier, 1869)
Grandidier's trident bat	*Paratriaenops auritus* (G. Grandidier, 1912)
Great Brown House Bat	*Scotophilus nigrita* (Schreber, 1774)
Great pipistrelle	*Pipistrellus kuhlii* (Kuhl, 1817)
Greater Bent-winged Bat	*Miniopterus schreibersii* (Kuhl, 1817)
Greater Cyclops	*Hipposideros camerunensis* Eisentraut, 1956
Greater Free-tailed Bats	*Mops* Lesson, 1842
Greater Horseshoe Bat	*Rhinolophus ferrumequinum* (Schreber, 1774)
Greater Long-fingered Bat	*Miniopterus inflatus* Thomas, 1903
Greater Mascarene Flying Fox	*Pteropus niger* (Kerr, 1792)
Greater Mouse-tailed Bat	*Rhinopoma microphyllum* (Brünnich, 1782)
Greater Noctule	*Nyctalus lasiopterus* (Schreber, 1780)
Greater Noctule Bat	*Nyctalus lasiopterus* (Schreber, 1780)
Greater Rat-tailed Bat	*Rhinopoma microphyllum* (Brünnich, 1782)
Greater Roundleaf Bat	*Hipposideros camerunensis* Eisentraut, 1956
Greater Serotine Bats	*Eptesicus* Rafinesque, 1820
Greater Slit-faced Bat	*Nycteris macrotis* Dobson, 1876
Greater Trident Bats	*Triaenops* Dobson, 1871
Green House Bat	*Scotophilus viridis* (Peters, 1852)
Greenish Yellow Bat	*Scotophilus viridis* (Peters, 1852)
Griveaud`s Long-fingered bat	*Miniopterus griveaudi* Harrison, 1959
Guano Bats	*Tadarida* Rafinesque, 1814
Guinea Serotine	*Neoromicia guineensis* (Bocage, 1889)
Guinean Horseshoe Bat (Csorba *et al.*, 2003: 59 - 61; Simmons, 2005)	*Rhinolophus guineensis* Eisentraut, 1960
Guinean Pipistrelle Bat	*Neoromicia guineensis* (Bocage, 1889)
Haagner's Flat-headed Bat	*Sauromys petrophilus haagneri* (Roberts, 1917)
Hairy Bats	*Myotis* Kaup, 1829
Hairy Long-eared Bat	*Nycteris hispida* (Schreber, 1774)
Hairy Slit-faced Bat	*Nycteris hispida* (Schreber, 1774)
Halcyon Horseshoe Bat	*Rhinolophus alcyone* Temminck, 1853
Hamilton's Naked-bellied Tomb Bat	*Taphozous hamiltoni* Thomas, 1920
Hamilton's Naked-rumped Tomb Bat	*Taphozous hamiltoni* Thomas, 1920
Hamilton's Tomb Bat	*Taphozous hamiltoni* Thomas, 1920
Hammer-headed bat	*Hypsignathus monstrosus* H. Allen, 1862
Hammer-headed bats	*Hypsignathus* H. Allen, 1862
Hammer-headed Fruit Bat	*Hypsignathus monstrosus* H. Allen, 1862
Hanaki's Dwarf Bat	*Pipistrellus hanaki* Hulva and Benda, 2004
Hardwicke's Mouse-tailed Bat	*Rhinopoma cystops* Thomas, 1903

Harlequin Fruit-bats	*Scotonycteris* Matschie, 1894
Harrison’s large-eared giant mastiff bat	*Otomops harrisoni* Ralph, Richards, Taylor, Napier and Lamb, 2015
Harrison's fruit bat	*Myonycteris angolensis goliath* (Bergmans, 1997)
Hayman’s tear-drop fruit bat	*Scotonycteris occidentalis* Hayman, 1947
Hayman's Dwarf Epauletted Fruit Bat	*Micropteropus intermedius* Hayman, 1963
Hayman's Epauletted Fruit Bat	*Micropteropus intermedius* Hayman, 1963
Hayman's Lesser Fruit Bat	*Micropteropus intermedius* Hayman, 1963
Hayman's Lesser Fruit-bat	*Micropteropus intermedius* Hayman, 1963
Heart-nosed Bat	*Cardioderma cor* (Peters, 1872)
Heart-nosed Bats	*Cardioderma* Peters, 1873
Heart-nosed Big-eared Bat	*Cardioderma cor* (Peters, 1872)
Helios Pipistrelle Bat	*Neoromicia helios* (Heller, 1912)
Heller's Pipistrelle	*Neoromicia helios* (Heller, 1912)
Heller's Pipistrelle Bat	*Neoromicia helios* (Heller, 1912)
Hemprich´s Arrow-eared bat	*Otonycteris hemprichii* Peters, 1859
Hemprich's Arrow-headed Bat	*Otonycteris hemprichii* Peters, 1859
Hemprich's Big-eared Bat	*Otonycteris hemprichii* Peters, 1859
Hemprich's Desert Bat	*Otonycteris hemprichii* Peters, 1859
Hemprich's Desert Long-eared Bat	*Otonycteris hemprichii* Peters, 1859
Hemprich's Long-eared Bat	*Otonycteris hemprichii* Peters, 1859
Hemprich's Long-eared Desert Bat	*Otonycteris hemprichii* Peters, 1859
High-crowned bat	*Miniopterus inflatus* Thomas, 1903
Hildebrandt's Horseshoe Bat	*Rhinolophus hildebrandtii* Peters, 1878
Hildegarde's Tomb Bat	*Taphozous hildegardeae* Thomas, 1909
Hill's Horseshoe bat	*Rhinolophus hillorum* Koopman, 1989
Hill's Horseshoe Bat	*Rhinolophus hilli* Aellen, 1973
Hinde's Lesser House Bat	*Scotoecus hindei* Thomas, 1901
Hispid bats	*NYCTERIDAE* Van der Hoeven, 1855
Hollow-faced bats	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Hollow-faced bats	*NYCTERIDAE* Van der Hoeven, 1855
Horn-skinned Bat	*Eptesicus floweri* (de Winton, 1901)
Horn-skinned Pipistrelle Bat	*Eptesicus floweri* (de Winton, 1901)
Horn-skinned Serotine	*Eptesicus floweri* (de Winton, 1901)
Horseshoe bats	*Rhinolophus* Lacépède, 1799
Horseshoe bats	*RHINOLOPHIDAE* Gray, 1825
Hottentot bat	*Eptesicus hottentotus* (A. Smith, 1833)
Hottentot Serotine Bat	*Eptesicus hottentotus* (A. Smith, 1833)
House Bats	*Scotoecus* Thomas, 1901
House bats	*Scotophilus* Leach, 1821
Intermediate Slit-faced Bat	*Nycteris intermedia* Aellen, 1959
Isabelline White-winged Serotine	*Neoromicia isabella* Decher, Hutterer and Monadjem, 2016
Isalo Serotine	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
Ja Slit-faced Bat	*Nycteris major* (K. Andersen, 1912)
Jones' Leaf-nosed Bat	*Hipposideros jonesi* Hayman, 1947
Jones' Roundleaf Bat	*Hipposideros jonesi* Hayman, 1947
Jones's Roundleaf Bat	*Hipposideros jonesi* Hayman, 1947
Kahuzi horseshoe bat	*Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013
Kenya Barbastelle	*Glauconycteris kenyacola* Peterson, 1982
Kenya Pipistrelle	*Pipistrellus aero* Heller, 1912
Kenyan Big-eared Free-tailed Bat	*Tadarida lobata* (Thomas, 1891)
Kenyan Butterfly Bat	*Glauconycteris kenyacola* Peterson, 1982
Kenyan Wattled Bat	*Glauconycteris kenyacola* Peterson, 1982
Knight's Egyptian bat	*Aegyptonycteris knightae* Simmons, Seiffert and Gunnell, 2016
Knob-tailed Mops Bat	*Mops (Mops) condylurus* (A. Smith, 1833)
Knob-tailed Nyctinome	*Mops (Mops) condylurus* (A. Smith, 1833)
Kordofan Sheathtail-bat	*Taphozous hamiltoni* Thomas, 1920
Kruger serotine bat (Taylor, 2005: 305 - first use)	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Kuhl's Bat	*Pipistrellus kuhlii* (Kuhl, 1817)
Kuhl's Pipistrelle	*Pipistrellus kuhlii* (Kuhl, 1817)
Kuhl's Pipistrelle Bat	*Pipistrellus kuhlii* (Kuhl, 1817)
Lagos Serotine	*Eptesicus platyops* (Thomas, 1901)
Lagos Serotine Bat	*Eptesicus platyops* (Thomas, 1901)
Lamotte's Leaf-nosed Bat	*Hipposideros lamottei* Brosset, 1985
Lamotte's Roundleaf Bat	*Hipposideros lamottei* Brosset, 1985
Lander's Horseshoe Bat	*Rhinolophus landeri* Martin, 1838
Lappet-eared Free-tailed Bat	*Chaerephon major* (Trouessart, 1897)
Lappet-eared Wrinkle-lipped Bat	*Chaerephon major* (Trouessart, 1897)
Large Bentwing Bat	*Miniopterus schreibersii* (Kuhl, 1817)
Large Free-tailed Bat	*Tadarida fulminans* (Thomas, 1903)
Large Guano Bat	*Tadarida fulminans* (Thomas, 1903)
Large Slit-faced Bat	*Nycteris grandis* Peters, 1865

Large Wrinkle-lipped Bat	*Chaerephon major* (Trouessart, 1897)
Large-eared Free-tailed Bat	*Otomops martiensseni* (Matschie, 1897)
Large-eared Giant Mastiff Bat	*Otomops martiensseni* (Matschie, 1897)
Large-eared Leaf-nosed Bat	*Hipposideros megalotis* (Heuglin, 1861)
Large-eared Slit-faced Bat	*Nycteris macrotis* Dobson, 1876
Large-footed Bats	*Myotis* Kaup, 1829
Larger Horseshoe Bat	*Rhinolophus ferrumequinum* (Schreber, 1774)
Larger Mouse-tailed Bat	*Rhinopoma microphyllum* (Brünnich, 1782)
Larger Rat-tailed Bat	*Rhinopoma microphyllum* (Brünnich, 1782)
Large-winged Bats	*MEGADERMATIDAE* H. Allen, 1864
Leafnosed Bats	*Hipposideros* Gray, 1831
Leaf-nosed Bats	*Hipposideros* Gray, 1831
Leaf-nosed bats	*HIPPOSIDERIDAE* Lydekker, 1891
Leaf-winged bat	*Glauconycteris variegata* (Tomes, 1861)
Least Epauletted Fruit-bat	*Epomophorus minimus* Claessen & De Vree, 1991
Least horseshoe bat	*Rhinolophus gorongosae* Taylor, MacDonald, Goodman, Kearney, Cotterill, Stoffberg, Monadjem, Schoeman, Guyton, Naskrecki and Richards, 2018
Least Long-fingered Bat	*Miniopterus minor* Peters, 1867
Least Pipistrelle Bat	*Hypsugo musciculus* (Thomas, 1913)
Leisler's Bat	*Nyctalus leisleri* (Kuhl, 1817)
Leisler's Noctule	*Nyctalus leisleri* (Kuhl, 1817)
Lesser (Sundevall's) Leaf-nosed Bat	*Hipposideros tephrus* (Cabrera, 1906)
Lesser Angolan Epauletted Fruit Bat	*Epomophorus grandis* (Sanborn, 1950)
Lesser bent-winged bat	*Miniopterus fraterculus* Thomas and Schwann, 1906
Lesser Epauletted Bat	*Myonycteris* Matschie, 1899
Lesser Free-tailed Bat	*Chaerephon pumilus* (Cretzschmar, 1826)
Lesser Free-tailed Bats	*Chaerephon* Dobson, 1874
Lesser Fruit-bats	*Micropteropus* Matschie, 1899
Lesser Horseshoe Bat	*Rhinolophus hipposideros* (Bechstein, 1800)
Lesser House Bats	*Scotoecus* Thomas, 1901
Lesser leaf-nosed bat	*Hipposideros tephrus* (Cabrera, 1906)
Lesser Leaf-nosed bat	*Hipposideros caffer* (Sundevall, 1846)
Lesser Long-fingered Bat	*Miniopterus fraterculus* Thomas and Schwann, 1906
Lesser Mascarene Flying Fox	*Pteropus subniger* (Kerr, 1792)
Lesser Mascarene Flying-fox	*Pteropus subniger* (Kerr, 1792)
Lesser Mastiff Bats	*Chaerephon* Dobson, 1874
Lesser Mouse-tailed Bat	*Rhinopoma cystops* Thomas, 1903
Lesser Noctule	*Nyctalus leisleri* (Kuhl, 1817)
Lesser Noctule Bat	*Nyctalus leisleri* (Kuhl, 1817)
Lesser Nut-coloured House Bat	*Scotophilus nucella* Robbins, 1983
Lesser Rat-tailed Bat	*Rhinopoma cystops* Thomas, 1903
Lesser Sudan Horn-skinned Bat	*Eptesicus floweri* (de Winton, 1901)
Lesser Trident Bats	*Asellia* Gray, 1838
Lesser Woolly Bat	*Kerivoula lanosa* (A. Smith, 1847)
Lesser Yellow Bat	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Lesser Yellow House Bat	*Scotophilus viridis* (Peters, 1852)
Lesser Yellow House Bat	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Lesser Yellow House Bat	*Scotophilus leucogaster* (Cretzschmar, 1826)
Lesueur's Hairy Bat	*Cistugo lesueuri* Roberts, 1919
Lesueur's Myotis	*Cistugo lesueuri* Roberts, 1919
Lesueur's Wing-gland Bat	*Cistugo lesueuri* Roberts, 1919
Lightning Guano Bat	*Tadarida fulminans* (Thomas, 1903)
Light-winged Lesser House Bat	*Scotoecus albofuscus* (Thomas, 1890)
Little Brown Bats	*Myotis* Kaup, 1829
Little Bulldog Bats	*Mormopterus* Peters, 1865
Little Collared Fruit Bat	*Myonycteris torquata* (Dobson, 1878)
Little Collared Fruit-bat	*Myonycteris torquata* (Dobson, 1878)
Little Collared Fruit-bats	*Myonycteris* Matschie, 1899
Little Epauletted Fruit-bat	*Epomophorus labiatus* (Temminck, 1837)
Little Flying Cow	*Nanonycteris* Matschie, 1899
Little Flying Cow	*Nanonycteris veldkampii* (Jentink, 1888)
Little Free-tailed Bat	*Chaerephon pumilus* (Cretzschmar, 1826)
Little Goblin Bats	*Mormopterus* Peters, 1865
Little Mastiff Bats	*Mormopterus* Peters, 1865
Little Nut-coloured House Bat	*Scotophilus nucella* Robbins, 1983
Little Wrinkle-lipped Bat	*Chaerephon pumilus* (Cretzschmar, 1826)
Livingstone's House Bat	*Scotophilus livingstonii* Brooks and Bickham, 2014
Livingstone's Flying Fox	*Pteropus livingstonii* Gray, 1866
Lobe-lipped Bats	*Glauconycteris* Dobson, 1875
Long-crested Free-tailed Bat	*Chaerephon chapini* J.A. Allen, 1917
Long-crested Gland-tailed Bat	*Chaerephon chapini* J.A. Allen, 1917
Long-crested Wrinkle-lipped Bat	*Chaerephon chapini* J.A. Allen, 1917
Long-eared bats	*NYCTERIDAE* Van der Hoeven, 1855
Long-eared bats	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Long-eared Bats	*Laephotis* Thomas, 1901

Long-eared Desert Bat	*Otonycteris hemprichii* Peters, 1859
Long-eared Desert Bats	*Otonycteris* Peters, 1859
Long-fingered Bat	*Myotis capaccinii* (Bonaparte, 1837)
Long-fingered Bats	*MINIOPTERIDAE* Dobson, 1875
Long-fingered Bats	*Miniopterus* Bonaparte, 1837
Long-fingered Myotis	*Myotis capaccinii* (Bonaparte, 1837)
Long-fringed bat	*Myotis capaccinii* (Bonaparte, 1837)
Long-haired Rousette	*Stenonycteris lanosus* (Thomas, 1906)
Long-haired Rousette	*Myonycteris angolensis* (Bocage, 1898)
Long-tailed Bat	*Rhinopoma microphyllum* (Brünnich, 1782)
Long-tailed Greater Serotine Bat	*Eptesicus hottentotus* (A. Smith, 1833)
Long-tailed House Bat	*Eptesicus hottentotus* (A. Smith, 1833)
Long-tailed Serotine Bat	*Eptesicus hottentotus* (A. Smith, 1833)
Long-wing Bat	*Miniopterus schreibersii* (Kuhl, 1817)
Machado's Butterfly Bat	*Glauconycteris machadoi* Hayman, 1963
MacInnes's Mouse-tailed Bat	*Rhinopoma macinnesi* Hayman, 1937
MacLaud's Horseshoe Bat	*Rhinolophus maclaudi* Pousargues, 1898
Madagascan Flying Fox	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Madagascan Flying-fox	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Madagascan Free-tailed Bat	*Tadarida fulminans* (Thomas, 1903)
Madagascan Fruit Bat	*Eidolon dupreanum* (Schegel, 1867)
Madagascan Large Free-tailed Bat	*Tadarida fulminans* (Thomas, 1903)
Madagascan Large Guano Bat	*Tadarida fulminans* (Thomas, 1903)
Madagascan Rousette	*Rousettus madagascariensis* G. Grandidier, 1929
Madagascan Straw-coloured Fruit-bat	*Eidolon dupreanum* (Schegel, 1867)
Madagascan white-bellied Free-tailed Bat	*Chaerephon leucogaster* (A. Grandidier, 1869)
Madagascar cryptic leaf-nosed bat	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
Madagascar Flying Fox	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Madagascar Free-tailed Bat	*Otomops madagascariensis* Dorst, 1953
Madagascar Fruit Bat	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Madagascar Large Free-tailed Bat	*Tadarida fulminans* (Thomas, 1903)
Madagascar Leaf-nosed Bat	*Paratriaenops furculus* (Trouessart, 1907)
Madagascar Mastiff Bat	*Otomops madagascariensis* Dorst, 1953
Madagascar Rousette	*Rousettus madagascariensis* G. Grandidier, 1929
Madagascar serotine	*Neoromicia matroka* (Thomas and Schwann, 1905)
Madagascar sheath-tailed bat	*Paremballonura atrata* (Peters, 1874)
Madagascar Sheath-tailed Bat	*Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
Madagascar Slit-faced Bat	*Nycteris madagascariensis* G. Grandidier, 1937
Madagascar Sucker-footed Bat	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Madagascar White-bellied Free-tailed Bat	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
Madagascar Yellow House Bat	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Madeira pipistrelle	*Pipistrellus maderensis* (Dobson, 1878)
Maendeleo Horseshoe Bat	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
Maghrebian bent-wing bat	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Maghrebian Mouse-eared Bat	*Myotis punicus* Felten, 1977
Maghrebian Myotis	*Myotis punicus* Felten, 1977
Major Long-fingered Bat	*Miniopterus majori* Thomas, 1906
Major's Long-fingered Bat	*Miniopterus majori* Thomas, 1906
Malagasy Free-tailed Bat	*Tadarida fulminans* (Thomas, 1903)
Malagasy Mouse-eared Bat	*Myotis goudoti* (A. Smith, 1834)
Malagasy Serotine	*Neoromicia matroka* (Thomas and Schwann, 1905)
Malagasy Straw-colored Fruit Bat	*Eidolon dupreanum* (Schegel, 1867)
Malagasy White-bellied Free-tailed Bat	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
Manavi Long-fingered Bat	*Miniopterus manavi* Thomas, 1906
Manavil Long-fingered Bat	*Miniopterus manavi* Thomas, 1906
Marisa's Leaf-nosed Bat	*Hipposideros marisae* Aellen, 1954
Marovaza House Bat	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
Martiensen's Free-tailed Bat	*Otomops martiensseni* (Matschie, 1897)
Martienssen bat	*Otomops martiensseni* (Matschie, 1897)
Martienssen's Big-eared Bulldog Bat	*Otomops martiensseni* (Matschie, 1897)
Mascarene Flying-fox	*Pteropus niger* (Kerr, 1792)
Mastiff Bats	*Otomops* Thomas, 1913
Mastiff Bats	*MOLOSSIDAE* Gervais, 1856
Mastiff Bats	*Molossinae* Gervais, 1856
Matroka Bat	*Neoromicia matroka* (Thomas and Schwann, 1905)
Mauritian Flying Fox	*Pteropus niger* (Kerr, 1792)
Mauritian Tomb Bat	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Mediterranean Horseshoe Bat	*Rhinolophus mehelyi* Matschie, 1901
Mediterranean Horseshoe Bat	*Rhinolophus euryale* Blasius, 1853

Mediterranean Lesser pipistrelle	*Pipistrellus pygmaeus* (Leach, 1825)
Medje Free-tailed Bat	*Mops (Mops) congicus* J.A. Allen, 1917
Medje Greater Free-tailed Bat	*Mops (Mops) congicus* J.A. Allen, 1917
Medje Mops Bat	*Mops (Mops) congicus* J.A. Allen, 1917
Mehely's Horseshoe bat	*Rhinolophus mehelyi* Matschie, 1901
Meridional serotine	*Eptesicus isabellinus* (Temminck, 1840)
Midas Bat	*Mops (Mops) midas* (Sundevall, 1843)
Midas Free-tailed Bat	*Mops (Mops) midas* (Sundevall, 1843)
Midas Groove-cheeked Bat	*Mops (Mops) midas* (Sundevall, 1843)
Midas Mops Bat	*Mops (Mops) midas* (Sundevall, 1843)
Midge Bat	*Pipistrellus pygmaeus* (Leach, 1825)
Mimic Bats	*Mimetillus* Thomas, 1904
Minor Epauletted Fruit Bat	*Epomophorus minor* Dobson, 1880
Miombo pipistrelle	*Hypsugo anchietae* (Seabra, 1900)
Moloney's Flat-headed Bat	*Mimetillus moloneyi* (Thomas, 1891)
Moloney's Flat-headed Vesper Bat	*Mimetillus moloneyi* (Thomas, 1891)
Moloney's Mimic Bat	*Mimetillus moloneyi* (Thomas, 1891)
Mongalla Free-tailed Bat	*Mops (Mops) demonstrator* (Thomas, 1903)
Mongalla Mops Bat	*Mops (Mops) demonstrator* (Thomas, 1903)
Mongallan Mops Bat	*Mops (Mops) demonstrator* (Thomas, 1903)
Montagne d'Ambre Long-fingered Bat	*Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015
Mops Bats	*Mops* Lesson, 1842
Mops Free-tailed Bats	*Mops* Lesson, 1842
Morris's Bat	*Myotis morrisi* Hill, 1971
Morris's Mouse-eared Bat	*Myotis morrisi* Hill, 1971
Morris's Myotis	*Myotis morrisi* Hill, 1971
Mount Gargues Pipistrelle	*Pipistrellus aero* Heller, 1912
Mount Mabu Horseshoe Bat	*Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mount Nimba Leaf-nosed Bat	*Hipposideros lamottei* Brosset, 1985
Mountain Pipistrelle Bats	*Hypsugo* Kolenati, 1856
Mountain Rousette	*Stenonycteris lanosus* (Thomas, 1906)
Mouse-eared bat	*Myotis mystacinus* (Kuhl, 1817)
Mouse-eared Bats	*Myotis* Kaup, 1829
Mouselike Pipistrelle	*Hypsugo musciculus* (Thomas, 1913)
Mouse-like Pipistrelle Bat	*Hypsugo musciculus* (Thomas, 1913)
Mouse-tailed bats	*RHINOPOMATIDAE* Dobson, 1872
Mouse-tailed bats	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Mozambian Slit-faced Bat	*Nycteris vinsoni* Dalquest, 1965
Mozambican Horseshoe Bat	*Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mozambique long-fingered bat	*Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013
Mozambique Sheath-tailed Bat	*Coleura afra* (Peters, 1852)
Mt Gargues Pipistrelle	*Pipistrellus aero* Heller, 1912
Mt Gargues Pipistrelle Bat	*Pipistrellus aero* Heller, 1912
Naked-bellied Tomb Bat	*Taphozous nudiventris* Cretzschmar, 1830
Nakede-bellied Taphozous	*Taphozous nudiventris* Cretzschmar, 1830
Naked-rumped Bat	*Taphozous nudiventris* Cretzschmar, 1830
Naked-rumped Tomb Bat	*Taphozous nudiventris* Cretzschmar, 1830
Namib Long-eared Bat	*Laephotis namibensis* Setzer, 1971
Namibian Long-eared Bat	*Laephotis namibensis* Setzer, 1971
Narrow-winged Bats	*Mimetillus* Thomas, 1904
Natal Clinging Bat	*Miniopterus natalensis* (A. Smith, 1833)
Natal Flat-headed Bat	*Mormopterus acetabulosus* (Hermann, 1804)
Natal Free-tailed Bat	*Mormopterus acetabulosus* (Hermann, 1804)
Natal Long-fingered Bat	*Miniopterus natalensis* (A. Smith, 1833)
Natal Wrinkle-lipped Bat	*Mormopterus acetabulosus* (Hermann, 1804)
Nectar Bat	*Megaloglossus woermanni* Pagenstecher, 1885
Neoromicia Pipistrelle Bats	*Neoromicia* Roberts, 1926
Niangara Free-tailed Bat	*Mops (Mops) niangarae* J.A. Allen, 1917
Niangara Mops Bat	*Mops (Mops) niangarae* J.A. Allen, 1917
Niangaran Mops Bat	*Mops (Mops) niangarae* J.A. Allen, 1917
Nigerian Free-tailed Bat	*Chaerephon nigeriae* Thomas, 1913
Nigerian Wrinkle-lipped Bat	*Chaerephon nigeriae* Thomas, 1913
Nimble Slit-faced Bat	*Nycteris arge* Thomas, 1903
Noack's Leaf-nosed Bat	*Hipposideros ruber* (Noack, 1893)
Noack's Roundleaf Bat	*Hipposideros ruber* (Noack, 1893)
Noctule Bats	*Nyctalus* Bowdich, 1825
Noctules	*Nyctalus* Bowdich, 1825
Noisy Fruit-bats	*Epomops* Gray, 1866
Notch-eared Bat	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Nucella House Bat	*Scotophilus nucella* Robbins, 1983
Nut-colored Yellow Bat	*Scotophilus nux* Thomas, 1904
Nut-coloured House Bat	*Scotophilus nux* Thomas, 1904

Nux Yellow House Bat	*Scotophilus nux* Thomas, 1904
Old World Big-eared Bats	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Old World Fruit bats	*PTEROPODIDAE* Gray, 1821
Old World Long-eared Bats	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Old World Sucker-footed Bat	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Old-World leaf-nosed bat	*HIPPOSIDERIDAE* Lydekker, 1891
Pale Free-tailed Bat	*Chaerephon chapini* J.A. Allen, 1917
Pale Xantharpy	*Eidolon helvum* (Kerr, 1792)
Parisi's Slit-faced Bat	*Nycteris parisii* (de Beaux, 1924)
Parissi's Slit-faced Bat	*Nycteris parisii* (de Beaux, 1924)
Patrizi's Lesser Trident Bat	*Asellia patrizii* de Beaux, 1931
Patrizi's Trident Leaf-nosed Bat	*Asellia patrizii* de Beaux, 1931
Peak-saddle Horseshoe Bat	*Rhinolophus blasii* Peters, 1867
Pel's Pouched Bat	*Saccolaimus peli* (Temminck, 1853)
Pemba Flying Fox	*Pteropus voeltzkowi* Matschie, 1909
Pemba Flying-fox	*Pteropus voeltzkowi* Matschie, 1909
Percival's Short-eared Trident Bat	*Cloeotis percivali* Thomas, 1901
Percival's Trident Bat	*Cloeotis percivali* Thomas, 1901
Perforated Taphozous bat	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Peters' Lesser Epauletted Fruit Bat	*Micropteropus pusillus* (Peters, 1868)
Peters' Lesser Fruit-bat	*Micropteropus pusillus* (Peters, 1868)
Peter's Sheath-tailed Bat	*Paremballonura atrata* (Peters, 1874)
Peter's Trident Bat	*Triaenops afer* Peters, 1877
Peters' Wrinkle-lipped Bat	*Mormopterus jugularis* (Peters, 1865)
Peterson's Free-tailed Bat	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
Peterson's Long-fingered Bat	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Peterson's Mops Bat	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
Peters's Dwarf Epauletted Fruit Bat	*Micropteropus pusillus* (Peters, 1868)
Peters's Epauletted Fruit Bat	*Epomophorus crypturus* Peters, 1852
Peters's Flat-headed Bat	*Platymops setiger* (Peters, 1878)
Peters's flat-headed Bats	*Platymops* Thomas, 1906
Peters's Goblin bat	*Mormopterus jugularis* (Peters, 1865)
Peters's Horseshoe Bat	*Rhinolophus blasii* Peters, 1867
Peters's Sheath-tailed Bat	*Paremballonura atrata* (Peters, 1874)
Peters's sheath-tailed bats	*Coleura* Peters, 1867
Peters's Wrinkle-lipped Bat	*Mormopterus jugularis* (Peters, 1865)
Petra fruit bat	*Myonycteris angolensis petraea* (Bergmans, 1997)
Phantom-winged Bats	*Mormopterus* Peters, 1865
Pied Bat	*Glauconycteris superba* Hayman, 1939
Pied Butterfly Bat	*Glauconycteris superba* Hayman, 1939
Pipistrelle Bats	*Pipistrellus* Kaup, 1829
Pipistrelles	*Pipistrellus* Kaup, 1829
Plain-faced Bats	*VESPERTILIONIDAE* Gray, 1821
Plerote Fruit-bats	*Plerotes* K. Andersen, 1910
Plerotes Fruit-bats	*Plerotes* K. Andersen, 1910
Pohle's Fruit Bat	*Casinycteris ophiodon* (Pohle, 1943)
Pohle's Harlequin Fruit-bat	*Casinycteris ophiodon* (Pohle, 1943)
Pohle's Tear-drop Fruit-bat	*Casinycteris ophiodon* (Pohle, 1943)
Pouched Bats	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Pouched Bats	*Saccolaimus* Temminck, 1838
Pygmy pipistrelle bat	*Pipistrellus pygmaeus* (Leach, 1825)
Pygmy Pipistrellus	*Hypsugo ariel* (Thomas, 1904)
Racey's Pipistrelle Bat	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Railer Bat	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Railer Mops Bat	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Rainforest House Bat	*Scotophilus nucella* Robbins, 1983
Rat-tailed Bat	*Rhinopoma microphyllum* (Brünnich, 1782)
Red Flying Fox	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Red Leaf-nosed Bat	*Hipposideros ruber* (Noack, 1893)
Red Madagascan Trident Bat	*Triaenops menamena* Goodman and Ranivo, 2009
Relict Collared Fruit-bat	*Myonycteris relicta* Bergmans, 1980
Rendall's Pipistrelle	*Neoromicia rendalli* (Thomas, 1889)
Rendall's Pipistrelle Bat	*Neoromicia rendalli* (Thomas, 1889)
Rendall's Serotine	*Neoromicia rendalli* (Thomas, 1889)
Rendall's Serotine Bat	*Neoromicia rendalli* (Thomas, 1889)
Reunion Free-tailed bat	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Robbin's House Bat	*Scotophilus nucella* Robbins, 1983
Robbins's House Bat	*Scotophilus nucella* Robbins, 1983
Robbins's Yellow Bat	*Scotophilus nucella* Robbins, 1983
Roberts' Flat-headed Bat	*Sauromys petrophilus* (Roberts, 1917)
Roberts's Flat-headed Bat	*Sauromys petrophilus* (Roberts, 1917)
Robust Yellow Bat	*Scotophilus robustus* A. Milne-Edwards, 1881

Rock-dwelling Flat-headed Bat	*Sauromys petrophilus* (Roberts, 1917)
Rock-loving Flat-headed Bat	*Sauromys petrophilus* (Roberts, 1917)
Rodrigues Flying Fox	*Pteropus rodricensis* Dobson, 1878
Rodriguez Flying Fox	*Pteropus rodricensis* Dobson, 1878
Roundleaf Bats	*Hipposideros* Gray, 1831
Rousette Fruit-bats	*Rousettus* Gray, 1821
Rousettes	*Rousettus* Gray, 1821
Rufous Hairy Bat	*Myotis bocagii* (Peters, 1870)
Rufous Mouse-eared bat	*Myotis bocagii* (Peters, 1870)
Rufous Mouse-eared Myotis	*Myotis bocagii* (Peters, 1870)
Rufous Trident Bat	*Triaenops menamena* Goodman and Ranivo, 2009
Rüppell's Bat	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppell's Horseshoe Bat	*Rhinolophus fumigatus* Rüppell, 1842
Ruppell's Pipistrelle	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppel's Pipistrelle	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppel's Pipistrelle Bat	*Pipistrellus rueppellii* (Fischer, 1829)
Russet Free-tailed Bat	*Chaerephon russatus* J.A. Allen, 1917
Russet Wrinkle-lipped bat	*Chaerephon russatus* J.A. Allen, 1917
Rusty Bat	*Pipistrellus rusticus* (Tomes, 1861)
Rusty Pipistrelle	*Pipistrellus rusticus* (Tomes, 1861)
Rusty Pipistrelle Bat	*Pipistrellus rusticus* (Tomes, 1861)
Ruwenzori Horseshoe bat	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
Ruwenzori Long-haired Rousette	*Stenonycteris lanosus* (Thomas, 1906)
Ruwenzori Long-haired rousette	*Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)
Sac-winged Bats	*EMBALLONURIDAE* Gervais, 1855
Sakeji Horseshoe bat	*Rhinolophus sakejiensis* Cotterill, 2002
Samburu Pipistrelle Bat	*Neoromicia helios* (Heller, 1912)
Sanborn's Epauletted Fruit-bat	*Epomophorus grandis* (Sanborn, 1950)
Sao Thome Long-fingered bat	*Miniopterus newtoni* Bocage, 1889
Sao Tomé Collared Fruit Bat	*Myonycteris brachycephala* (Bocage, 1889)
São Tomé Free-tailed Bat	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
Savi's Pipistrelle	*Hypsugo savii* (Bonaparte, 1837)
Savi's Pipistrelle Bat	*Hypsugo savii* (Bonaparte, 1837)
Schlieffen's Bat	*Nycticeinops schlieffenii* (Peters, 1859)
Schlieffen's Twilight Bat	*Nycticeinops schlieffenii* (Peters, 1859)
Schliemann's Sucker-footed Bat	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
Schreber's Brown Bat	*Scotophilus nigrita* (Schreber, 1774)
Schreber's Yellow Bat	*Scotophilus nigrita* (Schreber, 1774)
Schreiber's Bat	*Miniopterus schreibersii* (Kuhl, 1817)
Schreibers's Bent-winged Bat	*Miniopterus schreibersii* (Kuhl, 1817)
Schreibers's Long-fingered Bat	*Miniopterus schreibersii* (Kuhl, 1817)
Scott's Mouse-eared Bat	*Myotis scotti* Thomas, 1927
Scott's Mouse-eared Myotis	*Myotis scotti* Thomas, 1927
Seabra's Wing-gland Bat	*Cistugo seabrae* Thomas, 1912
Senegal Bat	*Scotophilus nigrita* (Schreber, 1774)
Senegal Horseshoe Bat	*Rhinolophus guineensis* Eisentraut, 1960
Senegal Mastiff Bat	*Myopterus daubentonii* Desmarest, 1820
Serotine Bats	*Eptesicus* Rafinesque, 1820
Serotines	*Eptesicus* Rafinesque, 1820
Seychelles Flying Fox	*Pteropus seychellensis* A. Milne-Edwards, 1877
Seychelles Free-tailed bat	*Chaerephon pusillus* (Miller, 1902)
Seychelles Fruit Bat	*Pteropus seychellensis* A. Milne-Edwards, 1877
Seychelles Sheath-tailed Bat	*Coleura seychellensis* Peters, 1868
Sheath-tailed Bat	*Coleura afra* (Peters, 1852)
Sheath-tailed Bats	*EMBALLONURIDAE* Gervais, 1855
Sheath-tailed bats	*Coleura* Peters, 1867
Short-eared Bats	*Cloeotis* Thomas, 1901
Short-eared Trident Bat	*Cloeotis percivali* Thomas, 1901
Short-eared Trident Bats	*Cloeotis* Thomas, 1901
Short-palate Fruit-bats	*Casinycteris* Thomas, 1910
Short-palated Fruit Bat	*Casinycteris argynnis* Thomas, 1910
Short-palated Fruit-bats	*Casinycteris* Thomas, 1910
Short-tailed Leaf-nosed Bat	*Hipposideros curtus* G.M. Allen, 1921
Short-tailed Roundleaf Bat	*Hipposideros curtus* G.M. Allen, 1921
Short-winged Mops Bat	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Sierra Leone Free-tailed Bat	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Sierra Leone Mops Bat	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Silver Woolly Bat	*Kerivoula argentata* Tomes, 1861
Silvered Bat	*Glauconycteris argentata* (Dobson, 1875)
Silvered Bats	*Glauconycteris* Dobson, 1875
Silvered Butterfly Bat	*Glauconycteris argentata* (Dobson, 1875)
Silvered Woolly Bat	*Kerivoula argentata* Tomes, 1861
Silvery Butterfly Bat	*Glauconycteris argentata* (Dobson, 1875)
Silvery Woolly Bat	*Kerivoula argentata* Tomes, 1861
Simple-nosed Bats	*VESPERTILIONIDAE* Gray, 1821

Sinai Barbestelle	*Barbastella leucomelas* (Cretzschmar, 1826)
Singing Fruit Bat	*Epomophorus dobsonii* Bocage, 1889
Singing Fruit Bat	*Epomops franqueti* (Tomes, 1860)
Singing Fruit-bats	*Epomops* Gray, 1866
Slender-winged Pipistrelle Bat	*Neoromicia tenuipinnis* (Peters, 1872)
Slit-faced bats	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Slit-faced bats	*NYCTERIDAE* Van der Hoeven, 1855
Small House-bat	*Pipistrellus pipistrellus* (Schreber, 1774)
Small mouse-tailed bat	*Rhinopoma cystops* Thomas, 1903
Smaller Epauletted fruit bat	*Epomophorus crypturus* Peters, 1852
Smithers's Horseshoe Bat	*Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Smith's fruit bat	*Myonycteris angolensis smithii* (Thomas, 1908)
Smith's Woolly Bat	*Kerivoula smithii* Thomas, 1880
Smoky Horseshoe Bat	*Rhinolophus fumigatus* Rüppell, 1842
Smooth-haired Fruit-bats	*Myonycteris* Matschie, 1899
Snake-toothed Harlequin Fruit-bat	*Casinycteris ophiodon* (Pohle, 1943)
Snake-toothed Tear-drop Fruit-bat	*Casinycteris ophiodon* (Pohle, 1943)
Soft-furred Fruit-bats	*Myonycteris* Matschie, 1899
Somali Pipistrelle Bat	*Neoromicia somalica* (Thomas, 1901)
Somali Serotine	*Neoromicia somalica* (Thomas, 1901)
Somali Serotine Bat	*Neoromicia somalica* (Thomas, 1901)
Somalian Pipistrelle Bat	*Neoromicia somalica* (Thomas, 1901)
Sooty Leaf-nosed Bat	*Hipposideros fuliginosus* (Temminck, 1853)
Sooty Roundleaf Bat	*Hipposideros fuliginosus* (Temminck, 1853)
Soprano Pipistrelle	*Pipistrellus pygmaeus* (Leach, 1825)
Sororcula Long-fingered Bat	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Sororculus Longfingered Bat	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
South African Lesser Leaf-nosed Bat	*Hipposideros caffer* (Sundevall, 1846)
Southern Africa horseshoe bat	*Rhinolophus capensis* Lichtenstein, 1823
Southern Sheath-tailed Bat	*Coleura afra* (Peters, 1852)
Spotted Free-tailed Bat	*Chaerephon bivittatus* (Heuglin, 1861)
Spotted Gland-tailed Bat	*Chaerephon bivittatus* (Heuglin, 1861)
Spotted Wrinkle-lipped Bat	*Chaerephon bivittatus* (Heuglin, 1861)
Spurell trumpet-eared bat	*Kerivoula phalaena* Thomas, 1912
Spurrell's Free-tailed Bat	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
Spurrell's Mops Bat	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
Spurrell's Woolly Bat	*Kerivoula phalaena* Thomas, 1912
Straw-colored Fruit Bat	*Eidolon helvum* (Kerr, 1792)
Straw-coloured Flying Fox	*Eidolon helvum* (Kerr, 1792)
Straw-coloured Fruit-bats	*Eidolon* Rafinesque, 1815
Striped Butterfly Bat	*Glauconycteris alboguttata* J.A. Allen, 1917
Striped Leaf-nosed Bat	*Macronycteris vittatus* (Peters, 1852)
Striped or Banded Guano Bat	*Tadarida teniotis* (Rafinesque, 1814)
Sucker-footed Bat	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Sucker-footed Bats	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
Sucker-footed Bats	*MYZOPODIDAE* Thomas, 1904
Sudan Horn-skinned Bat	*Eptesicus floweri* (de Winton, 1901)
Sudan Serotine	*Eptesicus floweri* (de Winton, 1901)
Sundevall's African Leaf-nosed Bat	*Hipposideros caffer* (Sundevall, 1846)
Sundevall's Free-tailed Bat	*Mops (Mops) midas* (Sundevall, 1843)
Sundevall's Leaf-nosed Bat	*Hipposideros caffer* (Sundevall, 1846)
Sundevall's Roundleaf Bat	*Hipposideros caffer* (Sundevall, 1846)
Superb Butterfly Bat	*Glauconycteris superba* Hayman, 1939
Swallow Lesser House Bat	*Scotoecus hirundo* (de Winton, 1899)
Swinny's Horseshoe Bat	*Rhinolophus swinnyi* Gough, 1908
Tadarine Bats	*Tadarida* Rafinesque, 1814
Tanzania Pipistrelle	*Pipistrellus permixtus* Aellen, 1957
Tanzanian Woolly Bat	*Kerivoula africana* Dobson, 1878
Taphozous bat of Mauritius	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Tear-drop Fruit-bats	*Scotonycteris* Matschie, 1894
Temminck's Hairy Bat	*Myotis tricolor* (Temminck, 1832)
Temminck's Mouse-eared Bat	*Myotis tricolor* (Temminck, 1832)
Thomas' House Bat	*Scotoecus albofuscus* (Thomas, 1890)
Thomas's Flat-headed Bat	*Mimetillus thomasi* Hinton, 1920
Thomas's Lesser House Bat	*Scotoecus albofuscus* (Thomas, 1890)
Thomas's Short-palate Fruit-bat	*Casinycteris argynnis* Thomas, 1910
Three-coloured bat	*Myotis tricolor* (Temminck, 1832)
Tiny Pipistrelle	*Pipistrellus nanulus* Thomas, 1904
Tiny Pipistrelle Bat	*Pipistrellus nanulus* Thomas, 1904
Tiny Serotine	*Neoromicia guineensis* (Bocage, 1889)
Tomb Bat	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Tomb Bat	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818

Tomb Bats	*EMBALLONURIDAE* Gervais, 1855
Tomb Bats	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Transvaal Free-tailed Bat	*Tadarida ventralis* (Heuglin, 1861)
Trevor´s Bat	*Mops (Mops) trevori* J.A. Allen, 1917
Trevor's Free-tailed Bat	*Mops (Mops) trevori* J.A. Allen, 1917
Trevor's Mops Bat	*Mops (Mops) trevori* J.A. Allen, 1917
Tricoloured Mouse-eared Bat	*Myotis tricolor* (Temminck, 1832)
Trident bat	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Trident Bats	*Asellia* Gray, 1838
Trident bats	*HIPPOSIDERIDAE* Lydekker, 1891
Trident Bats	*Triaenops* Dobson, 1871
Trident Leaf-nosed Bat	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Trident Leaf-nosed Bats	*Triaenops* Dobson, 1871
Trident Leaf-nosed Bats	*Asellia* Gray, 1838
Trident Rhinolophe	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Trident-nosed Bats	*Cloeotis* Thomas, 1901
Triple nose-leaf bats	*Triaenops* Dobson, 1871
Tropical Long-eared Bats	*Laephotis* Thomas, 1901
Trouessart's Triden Bat	*Paratriaenops furculus* (Trouessart, 1907)
Trouessart's Trident Bat	*Paratriaenops furculus* (Trouessart, 1907)
Trujillo's House Bat	*Scotophilus trujilloi* Brooks and Bickham, 2014
Trumpet-eared Bats	*Kerivoula* Gray, 1842
Twilight bats	*Nycticeinops* Hill & Harrison, 1987
Upland Horseshoe bat	*Rhinolophus hillorum* Koopman, 1989
Van Bemmelen's Wrinkle-lipped Bat	*Chaerephon bemmeleni* (Jentink, 1879)
Variegated Butterfly Bat	*Glauconycteris variegata* (Tomes, 1861)
Veldkamp's Bat	*Nanonycteris veldkampii* (Jentink, 1888)
Veldkamp's Dwarf Fruit-bat	*Nanonycteris veldkampii* (Jentink, 1888)
Vesper Bats	*VESPERTILIONIDAE* Gray, 1821
Vespertilionid bats	*VESPERTILIONIDAE* Gray, 1821
Vinson's Slit-faced Bat	*Nycteris vinsoni* Dalquest, 1965
Wahlberg's Epauletted Fruit-bat	*Epomophorus wahlbergi* (Sundevall, 1846)
Wahlberg's Epauletted Fruit-bat	*Epomophorus wahlbergi* (Sundevall, 1846)
Welwitch's Bat	*Myotis welwitschii* (Gray, 1866)
Welwitsch's Hairy Bat	*Myotis welwitschii* (Gray, 1866)
Welwitsch's Mouse-eared Bat	*Myotis welwitschii* (Gray, 1866)
Welwitsch's Myotis	*Myotis welwitschii* (Gray, 1866)
West African fruit bats	*Scotonycteris* Matschie, 1894
West African Rousette	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Western Africa leaf-nosed bat	*Hipposideros jonesi* Hayman, 1947
Western Africa Pipistrelle	*Hypsugo musciculus* (Thomas, 1913)
Western Barbastelle	*Barbastella barbastellus* (Schreber, 1774)
Western Barbastelle Bat	*Barbastella barbastellus* (Schreber, 1774)
Western Sheath-tailed Bat	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Western Yellow Bat	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
Whiskered Bat	*Myotis mystacinus* (Kuhl, 1817)
Whiskered Mouse-eared Bat	*Myotis mystacinus* (Kuhl, 1817)
Whiskered Myotis	*Myotis mystacinus* (Kuhl, 1817)
White stripe bat	*Pipistrellus kuhlii* (Kuhl, 1817)
White-bellied Free-tailed Bat	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
White-bellied Free-tailed Bat	*Chaerephon pumilus* (Cretzschmar, 1826)
White-bellied House Bat	*Scotophilus leucogaster* (Cretzschmar, 1826)
White-bellied Lesser House Bat	*Scotoecus albigula* Thomas, 1909
White-bellied Mops Bat	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
White-bellied Yellow Bat	*Scotophilus leucogaster* (Cretzschmar, 1826)
White-fingered Free-tailed Bat	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
White-shouldered bat	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
White-spotted Butterfly Bat	*Glauconycteris alboguttata* J.A. Allen, 1917
White-throated Lesser House Bat	*Scotoecus albigula* Thomas, 1909
White-winged Bat	*Neoromicia tenuipinnis* (Peters, 1872)
White-winged Pipistrelle Bat	*Neoromicia tenuipinnis* (Peters, 1872)
White-winged Serotine	*Neoromicia tenuipinnis* (Peters, 1872)
Whitley's Winged-mouse Bat	*Myopterus whitleyi* (Scharff, 1900)
Willards horseshoe bat	*Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013
Winged-mouse Bats	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Winged-rat Free-tailed Bats	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Wing-gland bat	*Cistugo lesueuri* Roberts, 1919
Wing-gland Bats	*Cistugo* Thomas, 1912
Winton's Long-eared Bat	*Laephotis wintoni* Thomas, 1901
Woermann's Bat	*Megaloglossus woermanni* Pagenstecher, 1885
Woermann's Fruit bat	*Megaloglossus woermanni* Pagenstecher, 1885
Woermann's Long-tongued Fruit-bat	*Megaloglossus woermanni* Pagenstecher, 1885
Wolf-dog Bats	*Molossinae* Gervais, 1856
Wolf-dog Bats	*MOLOSSIDAE* Gervais, 1856

Wood's Long-eared Bat	*Nycteris woodi* K. Andersen, 1914
Wood's Slit-faced Bat	*Nycteris woodi* K. Andersen, 1914
Woolly bats	*Kerivoulinae* Miller, 1907
Woolly Bats	*Kerivoula* Gray, 1842
Woolly Rousette	*Stenonycteris lanosus* (Thomas, 1906)
Wrinkled-lipped Bats	*Molossinae* Gervais, 1856
Wrinkled-lipped Bats	*MOLOSSIDAE* Gervais, 1856
Wrinkle-lipped Bat	*Tadarida teniotis* (Rafinesque, 1814)
Wrinkle-lipped Bats	*Chaerephon* Dobson, 1874
Yellow bats	*Scotophilus* Leach, 1821
Yellow House Bat	*Scotophilus dinganii* (A. Smith, 1833)
Yellow Pipistrelle Bat	*Neoromicia flavescens* (Seabra, 1900)
Yellow Serotine	*Neoromicia flavescens* (Seabra, 1900)
Yellow-bellied House Bat	*Scotophilus dinganii* (A. Smith, 1833)
Yellow-haired fruit bat	*Eidolon helvum* (Kerr, 1792)
Yellow-winged Bat	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Yellow-winged Bats	*Lavia* Gray, 1838
Yellow-winged Short-palate Fruit-bat	*Casinycteris argynnis* Thomas, 1910
Zaïre Gland-tailed Bat	*Chaerephon gallagheri* (Harrison, 1975)
Zenker's Fruit Bat	*Scotonycteris zenkeri* Matschie, 1894
Zenker's Harlequin Fruit-bat	*Scotonycteris zenkeri* Matschie, 1894
Zenker's Tear-drop Fruit-bat	*Scotonycteris zenkeri* Matschie, 1894
Ziama Horseshoe Bat (first use Simmons, 2005: 365)	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
Zulu Pipistrelle Bat	*Neoromicia zuluensis* (Roberts, 1924)
Zulu Serotine Bat	*Neoromicia zuluensis* (Roberts, 1924)

Estonian

Habelendlane	*Myotis mystacinus* (Kuhl, 1817)
Kääbus-nahkhiir	*Pipistrellus pipistrellus* (Schreber, 1774)
Pügmee-nahkhiir	*Pipistrellus pygmaeus* (Leach, 1825)

Fang

angon	*Doryrhina cyclops* (Temminck, 1853)

Finnish

Doggilepakot	*MOLOSSIDAE* Gervais, 1856
Hautalepakot	*EMBALLONURIDAE* Gervais, 1855
Hedelmälepakot	*PTEROPODIDAE* Gray, 1821
Hevosenkenkäyköt	*RHINOLOPHIDAE* Gray, 1825
Kaviokuonoyköt	*RHINOLOPHIDAE* Gray, 1825
Keltapoimulepakko	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Siipat	*VESPERTILIONIDAE* Gray, 1821
Valevampyyrit	*MEGADERMATIDAE* H. Allen, 1864
Valkopäälepakot	*NYCTERIDAE* Van der Hoeven, 1855

French

Asellia	*Asellia* Gray, 1838
Asellia à trois endentures	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Asellia d'Afrique orientale	*Cloeotis percivali* Thomas, 1901
Asellia de Patrizi	*Asellia patrizii* de Beaux, 1931
Barbastelle	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle argentée	*Glauconycteris argentata* (Dobson, 1875)
Barbastelle bariolée	*Glauconycteris superba* Hayman, 1939
Barbastelle Commune	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle d'Abo	*Glauconycteris poensis* (Gray, 1842)
Barbastelle d'Allen	*Glauconycteris alboguttata* J.A. Allen, 1917
Barbastelle de Béatrix	*Glauconycteris beatrix* Thomas, 1901
Barbastelle de Glen	*Glauconycteris gleni* Peterson and Smith, 1973
Barbastelle d'Europe	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle du Bibundi	*Glauconycteris egeria* Thomas, 1913
Barbastelle du Kenya	*Glauconycteris kenyacola* Peterson, 1982
Barbastelle occidentale	*Barbastella barbastellus* (Schreber, 1774)
Barbastelle orientale	*Barbastella leucomelas* (Cretzschmar, 1826)
Barbastelles	*Barbastella* Gray, 1821
Cardioderme à nez en cœur	*Cardioderma cor* (Peters, 1872)
Cardiodermes	*Cardioderma* Peters, 1873
Casinyctère	*Casinycteris* Thomas, 1910
Casinyctère	*Casinycteris argynnis* Thomas, 1910
Casinyctère de Campo-Ma'an	*Casinycteris campomaanensis* Hassanin, 2014

Casinyctère dorée	*Casinycteris argynnis* Thomas, 1910
Chauve-souris à 3 endentures	*Asellia* Gray, 1838
Chauve-souris à épaulettes de Gambie	*Epomophorus gambianus* (Ogilby, 1835)
Chauve-souris à longues oreilles d'Angola	*Laephotis angolensis* Monard, 1935
Chauve-souris à longues oreilles de De Winton	*Laephotis wintoni* Thomas, 1901
Chauve-souris à longues oreilles de Namibie	*Laephotis namibensis* Setzer, 1971
Chauve-souris à longues oreilles du Botswana	*Laephotis botswanae* Setzer, 1971
Chauve-souris à oreilles en trompette de Spurell	*Kerivoula phalaena* Thomas, 1912
Chauve-souris à oreilles en trompette de Spurell	*Kerivoula phalaena* Thomas, 1912
Chauve-souris à oreilles pointues de Hemprich	*Otonycteris hemprichii* Peters, 1859
Chauve-souris à pieds à ventouses de Madagascar	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Chauve-souris à queue de souris	*Rhinopoma cystops* Thomas, 1903
Chauve-souris à queue en fourreau d'Afrique	*Coleura afra* (Peters, 1852)
Chauve-souris à queue en fourreau des Seychelles	*Coleura seychellensis* Peters, 1868
Chauve-souris à queue gainée d'Afrique	*Coleura afra* (Peters, 1852)
Chauve-souris à queue gainée de Pel	*Saccolaimus peli* (Temminck, 1853)
Chauve-souris à queue gainée des Seychelles	*Coleura seychellensis* Peters, 1868
chauve-souris à tête de marteau	*Hypsignathus monstrosus* H. Allen, 1862
Chauve-souris à tête plate	*Mimetillus* Thomas, 1904
Chauve-souris à tête plate de Moloney	*Mimetillus moloneyi* (Thomas, 1891)
Chauve-souris à ventouses de Schliemann	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
Chauve-souris bouledogue géante	*Otomops martiensseni* (Matschie, 1897)
Chauve-souris de Commerson à nez feuillu	*Macronycteris gigas* (Wagner, 1845)
Chauve-souris de Commerson à nez feuillu	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Chauve-souris de Schlieffen	*Nycticeinops schlieffenii* (Peters, 1859)
Chauve-souris de Schreiber	*Miniopterus schreibersii* (Kuhl, 1817)
Chauve-souris de Thomas	*Scotoecus albofuscus* (Thomas, 1890)
Chauve-souris de Veldkamp	*Nanonycteris veldkampii* (Jentink, 1888)
chauve-souris des Hauts	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Chauve-souris des Tombes	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Chauve-souris des tombes	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Chauve-souris des tombes egyptiennes	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Chauve-souris domestique malgache	*Scotophilus robustus* A. Milne-Edwards, 1881
Chauve-souris du crépuscule	*Nycticeinops schlieffenii* (Peters, 1859)
Chauve-souris frugivore à collier d'Afrique orientale	*Myonycteris relicta* Bergmans, 1980
Chauve-souris frugivore à collier de São Tomé	*Myonycteris brachycephala* (Bocage, 1889)
Chauve-souris frugivore à palais court	*Casinycteris argynnis* Thomas, 1910
Chauve-souris frugivore d'Anchieta	*Plerotes anchietae* (Seabra, 1900)
Chauve-souris jaune des maisons	*Scotophilus dinganii* (A. Smith, 1833)
Chauve-souris laineuse	*Kerivoula lanosa* (A. Smith, 1847)
Chauve-souris laineuse cuivrée	*Kerivoula cuprosa* Thomas, 1912
Chauve-souris laineuse d'Ethiopie	*Kerivoula eriophora* (Heuglin, 1877)
Chauve-souris laineuse du Damara	*Kerivoula argentata* Tomes, 1861
Chauve-souris malgache à oreille de souris	*Myotis goudoti* (A. Smith, 1834)
Chauve-souris malgache à pieds à ventouses	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Chauve-souris malgache à queue en fourreau	*Paremballonura atrata* (Peters, 1874)
Chauve-souris malgache balafrée	*Nycteris madagascariensis* G. Grandidier, 1937
Chauve-souris mauritienne des tombeaux	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
chauve-souris paillée	*Eidolon helvum* (Kerr, 1792)
Chauve-souris papillon	*Glauconycteris variegata* (Tomes, 1861)
Chauve-souris peinte argentée	*Kerivoula argentata* Tomes, 1861
Chauve-souris peinte cuivrée	*Kerivoula cuprosa* Thomas, 1912
Chauve-souris peinte de Smith	*Kerivoula smithii* Thomas, 1880
Chauve-souris peinte de Tanzanie	*Kerivoula africana* Dobson, 1878
Chauve-souris peinte d'Ethiopie	*Kerivoula eriophora* (Heuglin, 1877)
Chauve-souris peinte phalène	*Kerivoula phalaena* Thomas, 1912
Chauve-souris réticulée	*Glauconycteris variegata* (Tomes, 1861)
Chauve-souris trident	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Chauves-souris	*CHIROPTERA* Blumenbach, 1779
Chauves-souris à épaulettes	*Epomophorus* Bennett, 1836
Chauves-souris à grandes oreilles	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Chauves-souris à longues oreilles	*Laephotis* Thomas, 1901
Chauves-souris à nez large	*Nyctalus* Bowdich, 1825
Chauves-souris à queue de souris	*RHINOPOMATIDAE* Dobson, 1872
Chauves-souris à queue gainée	*Coleura* Peters, 1867
Chauves-souris à ventouses	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
Chauves-souris des maisons	*Scotoecus* Thomas, 1901
Chauves-souris peintes	*Kerivoula* Gray, 1842
Chien volant à épaulettes du Congo	*Epomops franqueti* (Tomes, 1860)
Chien volant à tête en marteau	*Hypsignathus monstrosus* H. Allen, 1862
Cléothe de Percival	*Cloeotis percivali* Thomas, 1901
Cléothes	*Cloeotis* Thomas, 1901

Emballonure d'Afrique	*Coleura afra* (Peters, 1852)
Emballonure de Madagascar	*Paremballonura atrata* (Peters, 1874)
Emballonure de Madagascar	*Coleura kibomalandy* Goodman, Puechmaille, Friedli-Weyeneth, Gerlach, Ruedi, Schoeman, Stanley and Teeling, 2012
Emballonure des rochers	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Emballonure des Seychelles	*Coleura seychellensis* Peters, 1868
Emballonuridés	*EMBALLONURIDAE* Gervais, 1855
Epomophore d'Angola	*Epomophorus angolensis* Gray, 1870
Epomophore d'Ansell	*Epomophorus anselli* Bergmans and Van Strien, 2004
Epomophore de Buettikofer	*Epomops buettikoferi* (Matschie, 1899)
Epomophore de Büttikofer	*Epomops buettikoferi* (Matschie, 1899)
Epomophore de Dobson	*Epomophorus dobsonii* Bocage, 1889
Epomophore de Franquet	*Epomops franqueti* (Tomes, 1860)
Epomophore de Gambie	*Epomophorus gambianus* (Ogilby, 1835)
Epomophore de Peters	*Epomophorus crypturus* Peters, 1852
Epomophore de Sanborn	*Epomophorus grandis* (Sanborn, 1950)
Epomophore d'Ethiopie	*Epomophorus labiatus* (Temminck, 1837)
Epomophore frugivore de Wahlberg	*Epomophorus wahlbergi* (Sundevall, 1846)
Epomophore nain	*Epomophorus minimus* Claessen & De Vree, 1991
Epomophores	*Epomophorus* Bennett, 1836
Epomophores de l'ouest	*Epomops* Gray, 1866
Fer à cheval d'Hildebrant	*Rhinolophus hildebrandtii* Peters, 1878
Fer à cheval du Kenya	*Rhinolophus hildebrandtii* Peters, 1878
Fer-à-Cheval d'Afrique orientale	*Rhinolophus deckenii* Peters, 1868
Fer-à-Cheval de Darling	*Rhinolophus darlingi* K. Andersen, 1905
Fers-à-cheval	*RHINOLOPHIDAE* Gray, 1825
Fers-à-cheval	*Rhinolophus* Lacépède, 1799
Feuille de Daubenton	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Glauconyctère à gorge blanche	*Glauconycteris alboguttata* J.A. Allen, 1917
Glauconyctère argentée	*Glauconycteris argentata* (Dobson, 1875)
Glauconyctère d'Abo	*Glauconycteris poensis* (Gray, 1842)
Glauconyctère de Béatrix	*Glauconycteris beatrix* Thomas, 1901
Glauconyctère de Bibundi	*Glauconycteris egeria* Thomas, 1913
Glauconyctère de Curry	*Glauconycteris curryae* Eger and Schlitter, 2001
Glauconyctère de Glen	*Glauconycteris gleni* Peterson and Smith, 1973
Glauconyctère de Machado	*Glauconycteris machadoi* Hayman, 1963
Glauconyctère du Kenya	*Glauconycteris kenyacola* Peterson, 1982
Glauconyctère papillon	*Glauconycteris variegata* (Tomes, 1861)
Glauconyctère pie	*Glauconycteris superba* Hayman, 1939
Glauconyctère sombre	*Glauconycteris atra* Hassanin, Colombo, Gembu, Merle, Tu, Görföl, Musaba Akawa, Csorba, Kearney, Monadjem and Ing, 2017
Glauconyctère tachetée	*Glauconycteris humeralis* J.A. Allen, 1917
Glauconyctères	*Glauconycteris* Dobson, 1875
Grand Fer-à-Cheval	*Rhinolophus ferrumequinum* (Schreber, 1774)
Grand minioptère	*Miniopterus inflatus* Thomas, 1903
Grand minioptère africain	*Miniopterus inflatus* Thomas, 1903
Grand minioptère malgache	*Miniopterus majori* Thomas, 1906
Grand molosse à glandes caudales	*Chaerephon major* (Trouessart, 1897)
Grand molosse à grandes oreilles	*Otomops martiensseni* (Matschie, 1897)
Grand Rhinolophe	*Rhinolophus ferrumequinum* (Schreber, 1774)
Grand Rhinopome	*Rhinopoma microphyllum* (Brünnich, 1782)
Grand scotophile africain	*Scotophilus nigrita* (Schreber, 1774)
Grande Noctule	*Nyctalus lasiopterus* (Schreber, 1780)
Grande nyctère	*Nycteris grandis* Peters, 1865
grande Roussette des Mascareignes	*Pteropus niger* (Kerr, 1792)
Grande tadaride africaine	*Tadarida ventralis* (Heuglin, 1861)
Grande Tadaride de Madagascar	*Tadarida fulminans* (Thomas, 1903)
Hipposidéridés	*HIPPOSIDERIDAE* Lydekker, 1891
Hypsignates	*Hypsignathus* H. Allen, 1862
Hypsignathe monstrueux	*Hypsignathus monstrosus* H. Allen, 1862
Kérivoule de Tanzanie	*Kerivoula africana* Dobson, 1878
la petite roussette des Comores	*Rousettus obliviosus* Kock, 1978
La Phyllorhine cryptique de Madagascar	*Macronycteris cryptovalorona* (Goodman, Schoeman, Rakotoarivelo and Willows-Munro, 2016)
la roussette de Livingstone	*Pteropus livingstonii* Gray, 1866
Lavie à ailes jaunes	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Le Megaderme feuille	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
le vespertilion pygmée	*Pipistrellus pygmaeus* (Leach, 1825)
Lissonyctère d'Angola	*Myonycteris angolensis* (Bocage, 1898)
Lissonyctère de Simth	*Myonycteris angolensis smithii* (Thomas, 1908)
Lissonyctère d'Ethiopie	*Myonycteris angolensis petraea* (Bergmans, 1997)
Lissonyctère du Ruwenzori	*Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)
Lissonyctère goliath	*Myonycteris angolensis goliath* (Bergmans, 1997)

Lissonyctères	*Myonycteris* Matschie, 1899
Macroglosse de Woermann	*Megaloglossus woermanni* Pagenstecher, 1885
Mégadermatidés	*MEGADERMATIDAE* H. Allen, 1864
Megaderme à ailes orangées	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Megaderme à ailes orangées	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Mégadermes à ailes orangées	*Lavia* Gray, 1838
Mégaloglosse de Woermann	*Megaloglossus woermanni* Pagenstecher, 1885
Mégaloglosses	*Megaloglossus* Pagenstecher, 1885
Microptère de Hayman	*Micropteropus intermedius* Hayman, 1963
Microptères	*Micropteropus* Matschie, 1899
Mimétille	*Mimetillus* Thomas, 1904
Mimétille de Moloney	*Mimetillus moloneyi* (Thomas, 1891)
Mimétille de Thomas	*Mimetillus thomasi* Hinton, 1920
Minioptère	*Miniopterus schreibersii* (Kuhl, 1817)
Minioptère à couronne	*Miniopterus inflatus* Thomas, 1903
Minioptère à longues ailes	*Miniopterus schreibersii* (Kuhl, 1817)
Minioptère d'Afrique australe	*Miniopterus fraterculus* Thomas and Schwann, 1906
Minioptère d'Afrique orientale	*Miniopterus africanus* Sanborn, 1936
Minioptère de Montagne d'Ambre	*Miniopterus ambohitrensis* Goodman, Ramasindrazana, Naughton and Appleton, 2015
Minioptère de Peterson	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Minioptère de São Tomé	*Miniopterus newtoni* Bocage, 1889
Minioptère de Schreibers	*Miniopterus schreibersii* (Kuhl, 1817)
Minioptère d'Eger	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
Minioptère des Comores	*Miniopterus griveaudi* Harrison, 1959
Minioptere du Maghreb	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Minioptère du Natal	*Miniopterus natalensis* (A. Smith, 1833)
Minioptère malgache	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
Minioptère minuscule	*Miniopterus minor* Peters, 1867
Minioptères	*Miniopterus* Bonaparte, 1837
Minioptéridés	*MINIOPTERIDAE* Dobson, 1875
Molosse à crinière	*Chaerephon chapini* J.A. Allen, 1917
Molosse à glandes caudales	*Chaerephon bemmeleni* (Jentink, 1879)
Molosse à grandes oreilles	*Tadarida lobata* (Thomas, 1891)
Molosse à grandes oreilles de Madagascar	*Otomops madagascariensis* Dorst, 1953
Molosse d'Afrique du Sud	*Chaerephon ansorgei* (Thomas, 1913)
Molosse d'Angola	*Mops (Mops) condylurus* (A. Smith, 1833)
Molosse d'Ansorge	*Chaerephon ansorgei* (Thomas, 1913)
Molosse de Cestoni	*Tadarida teniotis* (Rafinesque, 1814)
Molosse de Madagascar	*Tadarida fulminans* (Thomas, 1903)
Molosse de Midas	*Mops (Mops) midas* (Sundevall, 1843)
Molosse d'Egypte	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Molosse d'Europe	*Tadarida teniotis* (Rafinesque, 1814)
Molosse du Duc des Abruzzes	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Molosse du Nigéria	*Chaerephon nigeriae* Thomas, 1913
Molosse du Zaïre	*Chaerephon gallagheri* (Harrison, 1975)
Molosse géant	*Tadarida ventralis* (Heuglin, 1861)
Molosse Midas	*Mops (Mops) midas* (Sundevall, 1843)
Molosse pâle	*Chaerephon chapini* J.A. Allen, 1917
Molosse tacheté	*Chaerephon bivittatus* (Heuglin, 1861)
Molosses	*Molossinae* Gervais, 1856
Molosses à grandes oreilles	*Otomops* Thomas, 1913
Molossidés	*MOLOSSIDAE* Gervais, 1856
Murin à bajoues argenté	*Glauconycteris argentata* (Dobson, 1875)
Murin à bajoues d'Abo	*Glauconycteris poensis* (Gray, 1842)
Murin à bajoues d'Allen	*Glauconycteris alboguttata* J.A. Allen, 1917
Murin à bajoues de Béatrice	*Glauconycteris beatrix* Thomas, 1901
Murin à bajoues de Bibundi	*Glauconycteris egeria* Thomas, 1913
Murin à bajoues de Glen	*Glauconycteris gleni* Peterson and Smith, 1973
Murin à bajoues du Kenya	*Glauconycteris kenyacola* Peterson, 1982
Murin à bajoues papillon	*Glauconycteris variegata* (Tomes, 1861)
Murin à bajoues pie	*Glauconycteris superba* Hayman, 1939
Murin à moustaches	*Myotis mystacinus* (Kuhl, 1817)
Murin à oreilles échancrées	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Murin d'Angola	*Cistugo seabrae* Thomas, 1912
Murin d'Angola	*Myotis tricolor* (Temminck, 1832)
Murin d'Anjouan	*Myotis anjouanensis* (Dorst, 1960)
Murin De Capaccini	*Myotis capaccinii* (Bonaparte, 1837)
Murin de Du Bocage	*Myotis bocagii* (Peters, 1870)
Murin de Kock	*Myotis dieteri* M. Happold, 2005
Murin de Lesueur	*Cistugo lesueuri* Roberts, 1919
Murin de Madagascar	*Myotis goudoti* (A. Smith, 1834)
Murin de Scott	*Myotis scotti* Thomas, 1927

Murin de Welwitsch	*Myotis welwitschii* (Gray, 1866)
Murin d'Ethiopie	*Myotis morrisi* Hill, 1971
Murin du Maghreb	*Myotis punicus* Felten, 1977
Murin roux	*Myotis bocagii* (Peters, 1870)
Murin tricolore	*Myotis tricolor* (Temminck, 1832)
Murin velu du Cap	*Myotis tricolor* (Temminck, 1832)
Murins	*Myotis* Kaup, 1829
Murins à bajoues	*Glauconycteris* Dobson, 1875
Myonyctère d'Afrique orientale	*Myonycteris relicta* Bergmans, 1980
Myonyctère de São Tomé	*Myonycteris brachycephala* (Bocage, 1889)
Myonyctères	*Myonycteris* Matschie, 1899
Myoptère de Bini	*Myopterus whitleyi* (Scharff, 1900)
Myoptère de Daubenton	*Myopterus daubentonii* Desmarest, 1820
Myoptère de Whitley	*Myopterus whitleyi* (Scharff, 1900)
Myoptère du Sénégal	*Myopterus daubentonii* Desmarest, 1820
Myoptères	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Myotis de Welwitsch	*Myotis welwitschii* (Gray, 1866)
Myzopoda oreillard	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Myzopodidés	*MYZOPODIDAE* Thomas, 1904
Nanonyctère	*Nanonycteris veldkampii* (Jentink, 1888)
Noctophile d'Angola	*Laephotis angolensis* Monard, 1935
Noctophile de De Winton	*Laephotis wintoni* Thomas, 1901
Noctophile du Botswana	*Laephotis botswanae* Setzer, 1971
Noctophile du Namib	*Laephotis namibensis* Setzer, 1971
Noctophiles	*Laephotis* Thomas, 1901
Noctule de Leisler	*Nyctalus leisleri* (Kuhl, 1817)
Noctule des Açores	*Nyctalus azoreum* (Thomas, 1901)
Noctule géante	*Nyctalus lasiopterus* (Schreber, 1780)
Noctules	*Nyctalus* Bowdich, 1825
Nyctère à grandes oreilles	*Nycteris macrotis* Dobson, 1876
Nyctère à longues oreilles	*Nycteris aurita* (K. Andersen, 1912)
Nyctère d'Aellen	*Nycteris intermedia* Aellen, 1959
Nyctère d'Andersen	*Nycteris aurita* (K. Andersen, 1912)
Nyctère de Bates	*Nycteris arge* Thomas, 1903
Nyctère de Dobson	*Nycteris macrotis* Dobson, 1876
Nyctère de Gambie	*Nycteris gambiensis* (K. Andersen, 1912)
Nyctère de Ja	*Nycteris major* (K. Andersen, 1912)
Nyctère de la Thébaïde	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nyctère de Madagascar	*Nycteris madagascariensis* G. Grandidier, 1937
Nyctère de Parisi	*Nycteris parisii* (de Beaux, 1924)
Nyctère de Vinson	*Nycteris vinsoni* Dalquest, 1965
Nyctère de Wood	*Nycteris woodi* K. Andersen, 1914
Nyctère du Mozambique	*Nycteris vinsoni* Dalquest, 1965
Nyctère égyptienne	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nyctère hérissée	*Nycteris hispida* (Schreber, 1774)
Nyctère hirsute	*Nycteris hispida* (Schreber, 1774)
Nyctère moyen	*Nycteris intermedia* Aellen, 1959
Nyctère naine	*Nycteris nana* (K. Andersen, 1912)
Nyctères	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Nyctéridés	*NYCTERIDAE* Van der Hoeven, 1855
Nycticeinops	*Nycticeinops* Hill & Harrison, 1987
Nycticeinops de Schlieffen	*Nycticeinops schlieffenii* (Peters, 1859)
Oreillard d'Angola	*Laephotis angolensis* Monard, 1935
Oreillard de De Winton	*Laephotis wintoni* Thomas, 1901
Oreillard de Namibie	*Laephotis namibensis* Setzer, 1971
Oreillard de Tenerife	*Plecotus teneriffae* Barrett-Hamilton, 1907
Oreillard d'Egypte	*Plecotus christii* Gray, 1838
Oreillard d'Ethiopie	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Oreillard d'Hemprich	*Otonycteris hemprichii* Peters, 1859
Oreillard du Botswana	*Laephotis botswanae* Setzer, 1971
Oreillard du Gaisler	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004
Oreillard du Namib	*Laephotis namibensis* Setzer, 1971
Oreillards	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Oreillards d'Afrique	*Laephotis* Thomas, 1901
Oreillards du désert	*Otonycteris* Peters, 1859
Petit Epomophore	*Epomophorus minimus* Claessen & De Vree, 1991
Petit épomophore	*Epomophorus labiatus* (Temminck, 1837)
Petit Epomophore frugivore d'Angola	*Epomophorus grandis* (Sanborn, 1950)
Petit Fer-à-Cheval	*Rhinolophus hipposideros* (Bechstein, 1800)
Petit microptère	*Micropteropus pusillus* (Peters, 1868)
Petit minioptère	*Miniopterus fraterculus* Thomas and Schwann, 1906
Petit minioptère africain	*Miniopterus minor* Peters, 1867
Petit minioptère malgache	*Miniopterus manavi* Thomas, 1906
Petit molosse	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008

Petit molosse à glandes caudales	*Chaerephon pumilus* (Cretzschmar, 1826)
Petit molosse de Port Louis	*Mormopterus acetabulosus* (Hermann, 1804)
Petit murin brun	*Myotis tricolor* (Temminck, 1832)
Petit Myonyctère	*Myonycteris torquata* (Dobson, 1878)
Petit Renard volant de Mascareignes	*Pteropus subniger* (Kerr, 1792)
Petit renard volant de Mascarene	*Pteropus subniger* (Kerr, 1792)
Petit Rhinolophe	*Rhinolophus hipposideros* (Bechstein, 1800)
Petit rhinolophe fer à cheval	*Rhinolophus hipposideros* (Bechstein, 1800)
Petit Rhinopome	*Rhinopoma cystops* Thomas, 1903
Petit scotophile africain	*Scotophilus viridis* (Peters, 1852)
Petite Chauve-souris frugivore à collier	*Myonycteris torquata* (Dobson, 1878)
Petite Chauve-souris jaune des maisons	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Petite Chauve-souris laineuse	*Kerivoula lanosa* (A. Smith, 1847)
Petite Noctule	*Nyctalus leisleri* (Kuhl, 1817)
Petite tadaride	*Chaerephon pumilus* (Cretzschmar, 1826)
Petite tadaride de Madagascar	*Chaerephon leucogaster* (A. Grandidier, 1869)
Petite vache-volante	*Nanonycteris veldkampii* (Jentink, 1888)
Phyllorhine à petites oreilles	*Cloeotis percivali* Thomas, 1901
Phyllorhine d'Aba	*Hipposideros abae* J.A. Allen, 1917
Phyllorhine de Benito	*Hipposideros beatus* (K. Andersen, 1906)
Phyllorhine de Cafrerie	*Hipposideros caffer* (Sundevall, 1846)
Phyllorhine de Percival	*Cloeotis percivali* Thomas, 1901
Phyllorhine de Sundevall	*Hipposideros caffer* (Sundevall, 1846)
Phyllorhine fuligineux	*Hipposideros fuliginosus* (Temminck, 1853)
Phyllorhines	*Hipposideros* Gray, 1831
Phyllorine à grandes oreilles	*Hipposideros megalotis* (Heuglin, 1861)
Phyllorine à grandes oreilles d'Ethiopie	*Hipposideros megalotis* (Heuglin, 1861)
Phyllorine à queue courte	*Hipposideros curtus* G.M. Allen, 1921
Phyllorine cendrée	*Hipposideros tephrus* (Cabrera, 1906)
Phyllorine cyclope	*Doryrhina cyclops* (Temminck, 1853)
Phyllorine d'Aellen	*Hipposideros marisae* Aellen, 1954
Phyllorine d'Afrique occidentale	*Hipposideros jonesi* Hayman, 1947
Phyllorine de Commerson	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Phyllorine de Commerson	*Macronycteris gigas* (Wagner, 1845)
Phyllorine de Jones	*Hipposideros jonesi* Hayman, 1947
Phyllorine de Lamotte	*Hipposideros lamottei* Brosset, 1985
Phyllorine de Noack	*Hipposideros ruber* (Noack, 1893)
Phyllorine d'Eisentraut	*Hipposideros camerunensis* Eisentraut, 1956
Phyllorine des Cyclopes	*Doryrhina cyclops* (Temminck, 1853)
Phyllorine du Cameroun	*Hipposideros camerunensis* Eisentraut, 1956
Phyllorine du Mont Nimba	*Hipposideros lamottei* Brosset, 1985
Phyllorine fuligineuse	*Hipposideros fuliginosus* (Temminck, 1853)
Phyllorine naine	*Hipposideros beatus* (K. Andersen, 1906)
Phyllorine rouge	*Hipposideros ruber* (Noack, 1893)
Phyllorine sombre	*Hipposideros fuliginosus* (Temminck, 1853)
Pipistrelle à ailes blanches	*Neoromicia tenuipinnis* (Peters, 1872)
Pipistrelle à grosse tête	*Hypsugo crassulus* (Thomas, 1904)
Pipistrelle ariel	*Hypsugo ariel* (Thomas, 1904)
Pipistrelle commune	*Pipistrellus pipistrellus* (Schreber, 1774)
Pipistrelle d'Aellen	*Pipistrellus inexspectatus* Aellen, 1959
Pipistrelle d'Afrique centrale	*Pipistrellus inexspectatus* Aellen, 1959
Pipistrelle d'Afrique occidentale	*Hypsugo musciculus* (Thomas, 1913)
Pipistrelle d'Anchieta	*Hypsugo anchietae* (Seabra, 1900)
Pipistrelle de Grandidier	*Pipistrellus grandidieri* (Dobson, 1876)
Pipistrelle de Guinée	*Neoromicia guineensis* (Bocage, 1889)
Pipistrelle de Kuhl	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrelle de Libye	*Pipistrellus hanaki* Hulva and Benda, 2004
Pipistrelle de Madère	*Pipistrellus maderensis* (Dobson, 1878)
Pipistrelle de Racey	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Pipistrelle de Rendall	*Neoromicia rendalli* (Thomas, 1889)
Pipistrelle de Rueppel	*Pipistrellus rueppellii* (Fischer, 1829)
Pipistrelle de Rüppell	*Pipistrellus rueppellii* (Fischer, 1829)
Pipistrelle de Savi	*Hypsugo savii* (Bonaparte, 1837)
Pipistrelle de Somalie	*Neoromicia somalica* (Thomas, 1901)
Pipistrelle de Tanzanie	*Pipistrellus permixtus* Aellen, 1957
Pipistrelle d'Eisentraut	*Hypsugo eisentrauti* (Hill, 1968)
Pipistrelle des Melcks	*Neoromicia stanleyi* Goodman, Kearney, Ratsimbazafy and Hassanin, 2017
Pipistrelle du Kenya	*Pipistrellus aero* Heller, 1912
Pipistrelle du Miombo	*Hypsugo anchietae* (Seabra, 1900)
Pipistrelle géante	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrelle hespéride	*Pipistrellus hesperidus* (Temminck, 1840)
Pipistrelle jaune	*Neoromicia flavescens* (Seabra, 1900)
Pipistrelle minuscule	*Pipistrellus nanulus* Thomas, 1904

Pipistrelle murine	*Hypsugo musciculus* (Thomas, 1913)
Pipistrelle naine	*Neoromicia nana* (Peters, 1852)
Pipistrelle naine aux ailes brunes	*Neoromicia nana* (Peters, 1852)
Pipistrelle pygmée	*Pipistrellus pygmaeus* (Leach, 1825)
Pipistrelle rouille	*Pipistrellus rusticus* (Tomes, 1861)
Pipistrelle rustique	*Pipistrellus rusticus* (Tomes, 1861)
Pipistrelle soleil	*Neoromicia helios* (Heller, 1912)
Pipistrelle soprane	*Pipistrellus pygmaeus* (Leach, 1825)
Pipistrelle zouloue	*Neoromicia zuluensis* (Roberts, 1924)
Pipistrelles	*Pipistrellus* Kaup, 1829
Plérote d'Anchieta	*Plerotes anchietae* (Seabra, 1900)
Plérotes	*Plerotes* K. Andersen, 1910
Prétopodidés	*PTEROPODIDAE* Gray, 1821
Pseudo-vampire à nez en cœur	*Cardioderma cor* (Peters, 1872)
Renard volant d'Aldabra	*Pteropus aldabrensis* True, 1893
Renard volant de l'île de Mascarene	*Pteropus niger* (Kerr, 1792)
Renard Volant de l'île de Rodriguez	*Pteropus rodricensis* Dobson, 1878
Renard volant de Madagascar	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Renard volant de Maurice	*Pteropus niger* (Kerr, 1792)
Renard volant de Pemba	*Pteropus voeltzkowi* Matschie, 1909
Renard volant de Rodrigues	*Pteropus rodricensis* Dobson, 1878
Renard volant des Comores	*Pteropus livingstonii* Gray, 1866
Renard volant des Mascaraignes	*Pteropus niger* (Kerr, 1792)
Renard volant des Seychelles	*Pteropus seychellensis* A. Milne-Edwards, 1877
Renard volant malgache	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Renard volant noir	*Pteropus livingstonii* Gray, 1866
Renard volant roux	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Renards volants	*Pteropus* Erxleben, 1777
Rhinolophe à selle pointue	*Rhinolophus blasii* Peters, 1867
Rhinolophe Alcyon	*Rhinolophus alcyone* Temminck, 1853
Rhinolophe d'Afrique du Sud	*Rhinolophus capensis* Lichtenstein, 1823
Rhinolophe d'Afrique orientale	*Rhinolophus deckenii* Peters, 1868
Rhinolophe de Blasius	*Rhinolophus blasii* Peters, 1867
Rhinolophe de brousse	*Rhinolophus simulator* K. Andersen, 1904
Rhinolophe de Cafrerie	*Hipposideros tephrus* (Cabrera, 1906)
Rhinolophe de Cafrerie	*Hipposideros caffer* (Sundevall, 1846)
Rhinolophe de Cretzschmar	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophe de Darling	*Rhinolophus darlingi* K. Andersen, 1905
Rhinolophe de Decken	*Rhinolophus deckenii* Peters, 1868
Rhinolophe de Dent	*Rhinolophus denti* Thomas, 1904
Rhinolophe de Geoffroy	*Rhinolophus clivosus* Cretzschmar, 1828
Rhinolophe de Guinée	*Rhinolophus guineensis* Eisentraut, 1960
Rhinolophe de Hill	*Rhinolophus hilli* Aellen, 1973
Rhinolophe de Lander	*Rhinolophus landeri* Martin, 1838
Rhinolophe de Lofa	*Rhinolophus hillorum* Koopman, 1989
Rhinolophe de MacLaud	*Rhinolophus maclaudi* Pousargues, 1898
Rhinolophe de Méhely	*Rhinolophus mehelyi* Matschie, 1901
Rhinolophe de Roumanie	*Rhinolophus mehelyi* Matschie, 1901
Rhinolophe de Rüppell	*Rhinolophus fumigatus* Rüppell, 1842
Rhinolophe de Sakeji	*Rhinolophus sakejiensis* Cotterill, 2002
Rhinolophe de Swinny	*Rhinolophus swinnyi* Gough, 1908
Rhinolophe de Tanga	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
Rhinolophe des forêts	*Rhinolophus mehelyi* Matschie, 1901
Rhinolophe d'Halcyon	*Rhinolophus alcyone* Temminck, 1853
Rhinolophe d'Hildebrandt	*Rhinolophus hildebrandtii* Peters, 1878
Rhinolophe du Bushveld	*Rhinolophus simulator* K. Andersen, 1904
Rhinolophe du Cap	*Rhinolophus capensis* Lichtenstein, 1823
Rhinolophe du Congo	*Rhinolophus adami* Aellen and Brosset, 1968
Rhinolophe du Ruwenzori	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
Rhinolophe du Sénégal	*Rhinolophus guineensis* Eisentraut, 1960
Rhinolophe du Veld	*Rhinolophus simulator* K. Andersen, 1904
Rhinolophe du Ziama	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
Rhinolophe éloquent	*Rhinolophus eloquens* K. Andersen, 1905
Rhinolophe euryale	*Rhinolophus euryale* Blasius, 1853
Rhinolophe sylvestre	*Rhinolophus silvestris* Aellen, 1959
Rhinolophe trident	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Rhinolophes	*Rhinolophus* Lacépède, 1799
Rhinolophes	*RHINOLOPHIDAE* Gray, 1825
Rhinolophidés	*RHINOLOPHIDAE* Gray, 1825
Rhinopoma moyen	*Rhinopoma cystops* Thomas, 1903
Rhinopomatidés	*RHINOPOMATIDAE* Dobson, 1872
Rhinopome de Hardwicke	*Rhinopoma cystops* Thomas, 1903
Rhinopome de MacInnes	*Rhinopoma macinnesi* Hayman, 1937
Rhinopome microphylle	*Rhinopoma microphyllum* (Brünnich, 1782)

Rhinopomes	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Rhinopomes	*RHINOPOMATIDAE* Dobson, 1872
Rougette	*Pteropus subniger* (Kerr, 1792)
Roussette à collet rouge	*Pteropus subniger* (Kerr, 1792)
Roussette à épaulettes d'Angola	*Epomophorus angolensis* Gray, 1870
Roussette à épaulettes de Peters	*Epomophorus crypturus* Peters, 1852
Roussette à épaulettes de Wahlberg	*Epomophorus wahlbergi* (Sundevall, 1846)
Roussette à long poils du Ruwenzori	*Myonycteris angolensis ruwenzorii* (Eisentraut, 1965)
Roussette à longs poils	*Stenonycteris lanosus* (Thomas, 1906)
Roussette à longs poils	*Myonycteris angolensis* (Bocage, 1898)
Roussette à petit palais	*Casinycteris argynnis* Thomas, 1910
Roussette d'Angola	*Myonycteris angolensis* (Bocage, 1898)
Roussette de Bocage	*Myonycteris angolensis* (Bocage, 1898)
Roussette de Buettikofer	*Epomops buettikoferi* (Matschie, 1899)
Roussette de Büttikofer	*Epomops buettikoferi* (Matschie, 1899)
Roussette de Dobson	*Epomophorus dobsonii* Bocage, 1889
Roussette de Franquet	*Epomops franqueti* (Tomes, 1860)
Roussette de Madagascar	*Rousettus madagascariensis* G. Grandidier, 1929
Roussette de Pohle	*Casinycteris ophiodon* (Pohle, 1943)
Roussette de Zenker	*Scotonycteris zenkeri* Matschie, 1894
Roussette d'Egypte	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Roussette des Comores	*Rousettus obliviosus* Kock, 1978
Roussette des palmiers africaine	*Eidolon helvum* (Kerr, 1792)
Roussette des palmiers malgache	*Eidolon dupreanum* (Schegel, 1867)
Roussette des Seychelles	*Pteropus seychellensis* A. Milne-Edwards, 1877
Roussette du Kenya	*Myonycteris relicta* Bergmans, 1980
Roussette du Ruwenzori	*Stenonycteris lanosus* (Thomas, 1906)
Roussette egyptienne	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Roussette foncée	*Pteropus subniger* (Kerr, 1792)
Roussette jaune	*Eidolon helvum* (Kerr, 1792)
Roussette jaune de Madagascar	*Eidolon dupreanum* (Schegel, 1867)
Roussette labiaire	*Epomophorus labiatus* (Temminck, 1837)
Roussette labiée	*Epomophorus labiatus* (Temminck, 1837)
Roussette malgache couleur paille	*Eidolon dupreanum* (Schegel, 1867)
Roussette naine de Hayman	*Micropteropus intermedius* Hayman, 1963
Roussette naine de Peters	*Micropteropus pusillus* (Peters, 1868)
Roussette naine de Veldkamp	*Nanonycteris veldkampii* (Jentink, 1888)
Roussette noire	*Pteropus niger* (Kerr, 1792)
Roussette paillée	*Eidolon helvum* (Kerr, 1792)
Roussette rougeâtre	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Roussettes	*Rousettus* Gray, 1821
Roussettes à collier	*Myonycteris* Matschie, 1899
Roussettes des palmiers	*Eidolon* Rafinesque, 1815
Roussettes géantes	*Pteropus* Erxleben, 1777
Roussettes naines	*Nanonycteris* Matschie, 1899
Saccolaime	*Saccolaimus* Temminck, 1838
Saccolaime de Pel	*Saccolaimus peli* (Temminck, 1853)
Sauromys	*Sauromys* Roberts, 1917
Sauromys à jugulaire	*Mormopterus jugularis* (Peters, 1865)
Sauromys à tête plate	*Platymops setiger* (Peters, 1878)
Sauromys de Peters	*Mormopterus jugularis* (Peters, 1865)
Sauromys de Roberts	*Sauromys petrophilus* (Roberts, 1917)
Sauromys du Natal	*Mormopterus acetabulosus* (Hermann, 1804)
Scontonyctère de Zenker	*Scotonycteris zenkeri* Matschie, 1894
Scotoèque à ailes pâles	*Scotoecus albofuscus* (Thomas, 1890)
Scotoèque à gorge blanche	*Scotoecus albigula* Thomas, 1909
Scotoèque de Hinde	*Scotoecus hindei* Thomas, 1901
Scotoèque hirundine	*Scotoecus hirundo* (de Winton, 1899)
Scotoèques	*Scotoecus* Thomas, 1901
Scotonyctère à dents de serpent	*Casinycteris ophiodon* (Pohle, 1943)
Scotonyctère de Bergmans	*Scotonycteris bergmansi* Hassanin, Khouider, Gembu, Goodman, Kadjo, Nesi, Pourrut, Nakouné, and Bonillo, 2015
Scotonyctère de Hayman	*Scotonycteris occidentalis* Hayman, 1947
Scotonyctères	*Scotonycteris* Matschie, 1894
Scotophile à ailes noires	*Scotoecus hirundo* (de Winton, 1899)
Scotophile à ventre blanc	*Scotophilus leucogaster* (Cretzschmar, 1826)
Scotophile à ventre jaune	*Scotophilus dinganii* (A. Smith, 1833)
Scotophile africain	*Scotophilus dinganii* (A. Smith, 1833)
Scotophile d'Andadoany	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
Scotophile de Bourbon	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Scotophile de Madagascar	*Scotophilus robustus* A. Milne-Edwards, 1881
Scotophile de Madagascar	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Scotophile de Marovaza	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006

Scotophile de Robbins	*Scotophilus nucella* Robbins, 1983
Scotophile des hauteurs	*Scotophilus nucella* Robbins, 1983
Scotophile du crépuscule	*Scotoecus albofuscus* (Thomas, 1890)
Scotophile noisette	*Scotophilus nux* Thomas, 1904
Scotophile nux	*Scotophilus nux* Thomas, 1904
Scotophile robuste	*Scotophilus robustus* A. Milne-Edwards, 1881
Scotophile verdâtre	*Scotophilus viridis* (Peters, 1852)
Scotophiles	*Scotophilus* Leach, 1821
Sérotine à ailes blanches	*Neoromicia tenuipinnis* (Peters, 1872)
Sérotine à grands yeux	*Eptesicus platyops* (Thomas, 1901)
Sérotine brune d'Afrique	*Neoromicia brunnea* (Thomas, 1880)
Sérotine brun-noire	*Neoromicia brunnea* (Thomas, 1880)
Sérotine de Botta	*Eptesicus bottae* (Peters, 1869)
Sérotine de Flower	*Eptesicus floweri* (de Winton, 1901)
Sérotine de Grandidier	*Pipistrellus grandidieri* (Dobson, 1876)
Sérotine de Guinée	*Neoromicia guineensis* (Bocage, 1889)
Sérotine de Lagos	*Eptesicus platyops* (Thomas, 1901)
Sérotine de Madagascar	*Neoromicia matroka* (Thomas and Schwann, 1905)
Serotine de Rendall	*Neoromicia rendalli* (Thomas, 1889)
Sérotine de Sakahara	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
Sérotine de Somalie	*Neoromicia somalica* (Thomas, 1901)
Sérotine des aloes	*Neoromicia zuluensis* (Roberts, 1924)
Sérotine des maisons à longue queue	*Eptesicus hottentotus* (A. Smith, 1833)
Sérotine du Cap	*Neoromicia capensis* (A. Smith, 1829)
Sérotine du Soudan	*Eptesicus floweri* (de Winton, 1901)
Sérotine hottentote	*Eptesicus hottentotus* (A. Smith, 1833)
Sérotine hottentote	*Eptesicus hottentotus* (A. Smith, 1833)
Sérotine isabelle	*Eptesicus isabellinus* (Temminck, 1840)
Sérotine isabelline	*Eptesicus isabellinus* (Temminck, 1840)
Sérotine jaune	*Neoromicia flavescens* (Seabra, 1900)
Sérotine minuscule	*Neoromicia guineensis* (Bocage, 1889)
Sérotines	*Eptesicus* Rafinesque, 1820
Tadarida de Midas	*Mops (Mops) midas* (Sundevall, 1843)
Tadaride à doigts blancs	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Tadaride à glande caudale	*Chaerephon bemmeleni* (Jentink, 1879)
Tadaride à lèvres ridées	*Mormopterus acetabulosus* (Hermann, 1804)
Tadaride à oreillettes	*Chaerephon major* (Trouessart, 1897)
Tadaride à queue libre de Madagascar	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
Tadaride à tête plate de Peters	*Platymops setiger* (Peters, 1878)
Tadaride à ventre blanc	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
Tadaride à ventre blanc	*Chaerephon leucogaster* (A. Grandidier, 1869)
Tadaride bornée	*Chaerephon pumilus* (Cretzschmar, 1826)
Tadaride d'Allen	*Mops (Mops) trevori* J.A. Allen, 1917
Tadaride d'Angola	*Mops (Mops) condylurus* (A. Smith, 1833)
Tadaride d'Ansorge	*Chaerephon ansorgei* (Thomas, 1913)
Tadaride de Cestoni	*Tadarida teniotis* (Rafinesque, 1814)
Tadaride de Chapin	*Chaerephon chapini* J.A. Allen, 1917
Tadaride de Gallagher	*Chaerephon gallagheri* (Harrison, 1975)
Tadaride de La Réunion	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Tadaride de l'Afrique orientale	*Tadarida lobata* (Thomas, 1891)
Tadaride de Madagascar	*Mormopterus jugularis* (Peters, 1865)
Tadaride de Madagascar à ventre blanc	*Chaerephon leucogaster* (A. Grandidier, 1869)
Tadaride de Medje	*Mops (Mops) congicus* J.A. Allen, 1917
Tadaride de Mongalla	*Mops (Mops) demonstrator* (Thomas, 1903)
Tadaride de Peters	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Tadaride de Peterson	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
Tadaride de Railer	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Tadaride de São Tomé	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
Tadaride de Spurell	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
Tadaride de Thomas	*Tadarida fulminans* (Thomas, 1903)
Tadaride de Trevor	*Mops (Mops) trevori* J.A. Allen, 1917
Tadaride d'Egypte	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Tadaride des Seychelles	*Chaerephon pusillus* (Miller, 1902)
Tadaride d'Europe	*Tadarida teniotis* (Rafinesque, 1814)
Tadaride du Duc des Abruzzes	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Tadaride du Kenya	*Tadarida lobata* (Thomas, 1891)
Tadaride du Niangara	*Mops (Mops) niangarae* J.A. Allen, 1917
Tadaride du Nigeria	*Chaerephon nigeriae* Thomas, 1913
Tadaride géante d'Afrique	*Tadarida ventralis* (Heuglin, 1861)
Tadaride Midas	*Mops (Mops) midas* (Sundevall, 1843)
Tadaride naine	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Tadaride rouge ou noir	*Chaerephon jobimena* Goodman and Cardiff, 2004
Tadaride rousse	*Chaerephon russatus* J.A. Allen, 1917
Tadaride tachetée	*Chaerephon bivittatus* (Heuglin, 1861)

Tadarides	*Mormopterus* Peters, 1865
Tadarides	*Mops* Lesson, 1842
Tadarides	*Chaerephon* Dobson, 1874
Tadarides	*Tadarida* Rafinesque, 1814
Tadarides à tête plate	*Platymops* Thomas, 1906
Taphien à croupe nue	*Taphozous nudiventris* Cretzschmar, 1830
Taphien à ventre nu	*Taphozous nudiventris* Cretzschmar, 1830
Taphien de Hamilton	*Taphozous hamiltoni* Thomas, 1920
Taphien de Hildegarde	*Taphozous hildegardeae* Thomas, 1909
Taphien de l'Ile de France	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Taphien de l'Ile Maurice	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Taphien de Maurice	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Taphien des tombeaux	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Taphien perforé	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Taphiens	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Triaenops	*Triaenops* Dobson, 1871
Triaenops à grandes oreilles	*Paratriaenops auritus* (G. Grandidier, 1912)
Triaenops de Madagascar	*Paratriaenops furculus* (Trouessart, 1907)
Triaenops de Paulian	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
Triaenops de Trouessart	*Paratriaenops furculus* (Trouessart, 1907)
Triaenops malgache	*Paratriaenops furculus* (Trouessart, 1907)
Triaenops roux	*Triaenops menamena* Goodman and Ranivo, 2009
Trident	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Trident de Patrizi	*Asellia patrizii* de Beaux, 1931
Trident du désert	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Tridents	*Asellia* Gray, 1838
Vespère à grosse tête	*Hypsugo crassulus* (Thomas, 1904)
Vespère ariel	*Hypsugo ariel* (Thomas, 1904)
Vespère d'Anchieta	*Hypsugo anchietae* (Seabra, 1900)
Vespère de Savi	*Hypsugo savii* (Bonaparte, 1837)
Vespère d'Eisentraut	*Hypsugo eisentrauti* (Hill, 1968)
Vespère murin	*Hypsugo musciculus* (Thomas, 1913)
Vespères	*Hypsugo* Kolenati, 1856
Vespertilion à moustaches	*Myotis mystacinus* (Kuhl, 1817)
Vespertilion à oreilles échancrées	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Vespertilion d'Angola	*Myotis tricolor* (Temminck, 1832)
Vespertilion de Capaccini	*Myotis capaccinii* (Bonaparte, 1837)
Vespertilion de l'Ile d'Anjouan	*Myotis anjouanensis* (Dorst, 1960)
Vespertilion de Madagascar	*Myotis goudoti* (A. Smith, 1834)
Vespertilion de Morris	*Myotis morrisi* Hill, 1971
Vespertilion de Scott	*Myotis scotti* Thomas, 1927
Vespertilion de Welwitsch	*Myotis welwitschii* (Gray, 1866)
Vespertilion des montagnes	*Myotis capaccinii* (Bonaparte, 1837)
Vespertilion Doré	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Vespertilion échancré	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Vespertilionidés	*VESPERTILIONIDAE* Gray, 1821

Gallician (Spain)

Morcego común	*Pipistrellus pipistrellus* (Schreber, 1774)
Morcego das covas	*Miniopterus schreibersii* (Kuhl, 1817)
Morcego das fragas	*Barbastella barbastellus* (Schreber, 1774)
Morcego de beira branca	*Pipistrellus kuhlii* (Kuhl, 1817)
Morcego de bigotes	*Myotis mystacinus* (Kuhl, 1817)
Morcego de ferradura grande	*Rhinolophus ferrumequinum* (Schreber, 1774)
Morcego de Leisler	*Nyctalus leisleri* (Kuhl, 1817)
Morcego de Madeira	*Pipistrellus maderensis* (Dobson, 1878)
Morcego do monte	*Hypsugo savii* (Bonaparte, 1837)
Morcego mediterráneo de ferradura	*Rhinolophus euryale* Blasius, 1853
Morcego pequeño de ferradura	*Rhinolophus hipposideros* (Bechstein, 1800)
Morcego rabudo	*Tadarida teniotis* (Rafinesque, 1814)

German

Aba-Rundblattnase	*Hipposideros abae* J.A. Allen, 1917
Abendfledermäuse	*Nycticeinops* Hill & Harrison, 1987
Abendsegler	*Nyctalus* Bowdich, 1825
Abendstern-Pipistrelle	*Pipistrellus hesperidus* (Temminck, 1840)
Abendstern-Zwergfledermaus	*Pipistrellus hesperidus* (Temminck, 1840)
Abo-Schmetterlingsfledermaus	*Glauconycteris poensis* (Gray, 1842)
Adams Hufeisennase	*Rhinolophus adami* Aellen and Brosset, 1968
Aellens Langflügelfledermaus	*Miniopterus aelleni* Goodman, Maminirina, Weyeneth, Bradman, Christidis, Ruedi and Appleton, 2009
Afrikanische Dreizahn-Blattnase	*Triaenops afer* Peters, 1877

Afrikanische Langflügelfledermaus	*Miniopterus africanus* Sanborn, 1936
Afrikanische Langohrfledermäuse	*Laephotis* Thomas, 1901
Afrikanische Langzungen-Flughunde	*Megaloglossus* Pagenstecher, 1885
Afrikanische Schiebeschwanz-Fledermaus	*Coleura afra* (Peters, 1852)
Afrikanischer Langzungen-Flughund	*Megaloglossus woermanni* Pagenstecher, 1885
Afrikanischer Palmenflughund	*Eidolon helvum* (Kerr, 1792)
Ägyptische Bulldoggfledermaus	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Ägyptische Grabfledermaus	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Ägyptische Mausschwanz-Fledermaus	*Rhinopoma microphyllum* (Brünnich, 1782)
Ägyptische Schlitznasen-Fledermaus	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Ägyptischer Höhlenflughund	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Aldabra- Dreizahnblattnase	*Paratriaenops pauliani* (Goodman and Ranivo, 2008)
Aldabra-Flugfuchs	*Pteropus aldabrensis* True, 1893
Alpenfledermaus	*Hypsugo savii* (Bonaparte, 1837)
Alpen-Pipistrelle	*Hypsugo savii* (Bonaparte, 1837)
Altwelt-Rundblattnasen	*Hipposideros* Gray, 1831
Anchietas Breitgesicht-Flughund	*Plerotes anchietae* (Seabra, 1900)
Anchietas Pipistrelle	*Hypsugo anchietae* (Seabra, 1900)
Anchietas Zwergfledermaus	*Hypsugo anchietae* (Seabra, 1900)
Andersens Hufeisennase	*Rhinolophus eloquens* K. Andersen, 1905
Andersens Schlitznasen-Fledermaus	*Nycteris aurita* (K. Andersen, 1912)
Angola-Bulldoggfledermaus	*Mops (Mops) condylurus* (A. Smith, 1833)
Angola-Epaulettenflughund	*Epomophorus angolensis* Gray, 1870
Angola-Langohrfledermaus	*Laephotis angolensis* Monard, 1935
Angola-Mausohr	*Cistugo seabrae* Thomas, 1912
Angolanischer Samtfell-Flughund	*Myonycteris angolensis* (Bocage, 1898)
Anjouan-Mausohr	*Myotis anjouanensis* (Dorst, 1960)
Ansells Epaulettenflughund	*Epomophorus anselli* Bergmans and Van Strien, 2004
Ansorges Bulldoggfledermaus	*Chaerephon ansorgei* (Thomas, 1913)
Äthiopischer Samtfell-Flughund	*Myonycteris angolensis petraea* (Bergmans, 1997)
Aufgeblasene Langflügelfledermaus	*Miniopterus inflatus* Thomas, 1903
Azoren-Abendsegler	*Nyctalus azoreum* (Thomas, 1901)
Bale-Langohr	*Plecotus balensis* Kruskop & Lavrenchenko, 2000
Bananen Zwergfledermaus	*Neoromicia nana* (Peters, 1852)
Bananen-Fledermaus	*Neoromicia nana* (Peters, 1852)
Bananen-Mausohr	*Myotis bocagii* (Peters, 1870)
Bananen-Pipistrelle	*Neoromicia nana* (Peters, 1852)
Bartfledermaus	*Myotis mystacinus* (Kuhl, 1817)
Bates' Schlitznasen-Fledermaus	*Nycteris arge* Thomas, 1903
Bemmelens Bulldoggfledermaus	*Chaerephon bemmeleni* (Jentink, 1879)
Benito-Rundblattnase	*Hipposideros beatus* (K. Andersen, 1906)
Bibundi Schmetterlingsfledermaus	*Glauconycteris egeria* Thomas, 1913
Bini Pergamentflügel-Fledermaus	*Myopterus whitleyi* (Scharff, 1900)
Blasius Hufeisennase	*Rhinolophus blasii* Peters, 1867
Blasius-Hufeisennase	*Rhinolophus blasii* Peters, 1867
Botswana-Langohrfledermaus	*Laephotis botswanae* Setzer, 1971
Bottas Breitflügelfledermaus	*Eptesicus bottae* (Peters, 1869)
Bourbonische Schwirrfledermaus	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Breitflügelfledermäuse	*Eptesicus* Rafinesque, 1820
Breitgesicht-Flughunde	*Plerotes* K. Andersen, 1910
Breitköpfige Pipistrelle	*Hypsugo crassulus* (Thomas, 1904)
Breitköpfige Zwergfledermaus	*Hypsugo crassulus* (Thomas, 1904)
Bulldoggfledermaus	*Tadarida teniotis* (Rafinesque, 1814)
Bulldoggfledermäuse	*MOLOSSIDAE* Gervais, 1856
Bulldogg-Fledermäuse	*MOLOSSIDAE* Gervais, 1856
Bunte Wollfledermaus	*Kerivoula argentata* Tomes, 1861
Buschveld-Hufeisennase	*Rhinolophus simulator* K. Andersen, 1904
Büttikofers Epaulettenflughund	*Epomops buettikoferi* (Matschie, 1899)
Campomaan-Flughund	*Casinycteris campomaanensis* Hassanin, 2014
Capische Abendfledermaus	*Neoromicia capensis* (A. Smith, 1829)
Capische Trugfledermaus	*Eptesicus hottentotus* (A. Smith, 1833)
Capischen Kamnase	*Rhinolophus capensis* Lichtenstein, 1823
Centralafrikanische Doggengrämler	*Mops (Mops) condylurus* (A. Smith, 1833)
Chagrin Fledermaus	*Eptesicus floweri* (de Winton, 1901)
Chapins Bulldoggfledermaus	*Chaerephon chapini* J.A. Allen, 1917
Christis Graues Langohr	*Plecotus christii* Gray, 1838
Cohens Hufeisennase	*Rhinolophus cohenae* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Currys Schmetterlingsfledermaus	*Glauconycteris curryae* Eger and Schlitter, 2001
Damara-Hufeisennase	*Rhinolophus damarensis* Roberts, 1946
Darlings Hufeisennase	*Rhinolophus darlingi* K. Andersen, 1905
Daubentons Pergamentflügel-Fledermaus	*Myopterus daubentonii* Desmarest, 1820
De Wintons Langohrfledermaus	*Laephotis wintoni* Thomas, 1901
Deckens Hufeisennase	*Rhinolophus deckenii* Peters, 1868
Dents Hufeisennase	*Rhinolophus denti* Thomas, 1904
Dja Schlitznasen-Fledermaus	*Nycteris major* (K. Andersen, 1912)

Dja-Schlitzenasenfledermaus	*Nycteris major* (K. Andersen, 1912)
Dobsons Epaulettenflughund	*Epomophorus dobsonii* Bocage, 1889
Dongola-Dämmerungsfledermaus	*Pipistrellus rueppellii* (Fischer, 1829)
Dreifarb-Mausohr	*Myotis tricolor* (Temminck, 1832)
Dreizackblattnase	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Dreizackblattnasen	*Asellia* Gray, 1838
Dreizahn-Blattnasen	*Triaenops* Dobson, 1871
Dreyzahnige Kammnase	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Dunkelbraune Pipistrelle	*Neoromicia brunnea* (Thomas, 1880)
Dunkelbraune Zwergfledermaus	*Neoromicia brunnea* (Thomas, 1880)
Eger-Langflügelfledermaus	*Miniopterus egeri* Goodman, Ramasindrazana, Maminirina, Schoeman, and Appleton, 2011
Eisentrauts Pipistrelle	*Hypsugo eisentrauti* (Hill, 1968)
Eisentrauts Zwergfledermaus	*Hypsugo eisentrauti* (Hill, 1968)
Elfen-Pipistrelle	*Hypsugo ariel* (Thomas, 1904)
Elfen-Zwergfledermaus	*Hypsugo ariel* (Thomas, 1904)
Epaulettenflughund	*Epomophorus* Bennett, 1836
Epaulettenflughunde	*Epomops* Gray, 1866
Epaulettenflughunde	*Epomophorus* Bennett, 1836
Europäische Bulldoggfledermaus	*Tadarida teniotis* (Rafinesque, 1814)
Europäische Sackfledermaus	*Miniopterus schreibersii* (Kuhl, 1817)
Falsche Vampire	*MEGADERMATIDAE* H. Allen, 1864
Flachkopf-Bulldoggfledermäuse	*Sauromys* Roberts, 1917
Flachkopf-Bulldoggfledermäuse	*Platymops* Thomas, 1906
Flachköpfige Dämmerungsfledermaus	*Pipistrellus hesperidus* (Temminck, 1840)
Flachschnauzigen Schwirrfledermaus	*Scotophilus dinganii* (A. Smith, 1833)
Flattnasenfreischwänze	*EMBALLONURIDAE* Gervais, 1855
Flederhunde	*PTEROPODIDAE* Gray, 1821
Fledermäuse	*CHIROPTERA* Blumenbach, 1779
Flugfüchse	*Pteropus* Erxleben, 1777
Flughunde	*PTEROPODIDAE* Gray, 1821
Franquets Epaulettenflughund	*Epomops franqueti* (Tomes, 1860)
Freischeinige Stelzfussfledermaus	*Myotis capaccinii* (Bonaparte, 1837)
Fürst von Abruzzen Bulldoggfledermaus	*Chaerephon aloysiisabaudiae* (Festa, 1907)
Gallaghers Bulldoggfledermaus	*Chaerephon gallagheri* (Harrison, 1975)
Gambia Epaulettenflughund	*Epomophorus gambianus* (Ogilby, 1835)
Gambia Schlitznasen-Fledermaus	*Nycteris gambiensis* (K. Andersen, 1912)
Gebirgs-Höhlenflughund	*Stenonycteris lanosus* (Thomas, 1906)
Gefleckte Bulldoggfledermaus	*Chaerephon bivittatus* (Heuglin, 1861)
Gefleckte Bulldoggfledermaus	*Mops (Mops) leucostigma* (G.M. Allen, 1918)
Gefleckte Schmetterlingsfledermaus	*Glauconycteris humeralis* J.A. Allen, 1917
Gelbbäuchige Hausfledermaus	*Scotophilus dinganii* (A. Smith, 1833)
Gelbbauchige Schwirrfledermaus	*Scotophilus leucogaster* (Cretzschmar, 1826)
Gelbe Pipistrelle	*Neoromicia flavescens* (Seabra, 1900)
Gelbe Zwergfledermaus	*Neoromicia flavescens* (Seabra, 1900)
Gelbflügel-Fledermaus	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Gelbflügel-Fledermäuse	*Lavia* Gray, 1838
Gelbflügelige Großblattnase	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Gemeine Langflügelfledermaus	*Miniopterus schreibersii* (Kuhl, 1817)
Gemeine Schlitznasen-Fledermaus	*Nycteris hispida* (Schreber, 1774)
Genetzte Schmetterlingsfledermaus	*Glauconycteris variegata* (Tomes, 1861)
Geoffroys Dreizackblattnase	*Asellia tridens* (E. Geoffroy St.-Hilaire, 1813)
Geoffroys Hufeisennase	*Rhinolophus clivosus* Cretzschmar, 1828
Gesäumte Doggengrämler	*Chaerephon pumilus* (Cretzschmar, 1826)
Gestreifte Schmetterlingsfledermaus	*Glauconycteris alboguttata* J.A. Allen, 1917
Gewöhnliche Bulldoggfledermäuse	*Tadarida* Rafinesque, 1814
Glattnasen	*VESPERTILIONIDAE* Gray, 1821
Glattnasen-Fledermäuse	*VESPERTILIONIDAE* Gray, 1821
Glattnasen-Freischwänze	*EMBALLONURIDAE* Gervais, 1855
Gleichsatteligen Kammnase	*Rhinolophus euryale* Blasius, 1853
Glens Langflügelfledermaus	*Miniopterus gleni* Peterson, Eger and Mitchell, 1995
Glens Schmetterlingsfledermaus	*Glauconycteris gleni* Peterson and Smith, 1973
Goldener Kurzgaumen-Flughund	*Casinycteris argynnis* Thomas, 1910
Grabflatterer	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Grabfledermäuse	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Grandidiers Bulldoggfledermaus	*Chaerephon leucogaster* (A. Grandidier, 1869)
Grandidiers Dreizahn-Blattnase	*Paratriaenops auritus* (G. Grandidier, 1912)
Grandidiers Zwergfledermaus	*Pipistrellus grandidieri* (Dobson, 1876)
Griffiths Langflügelfledermaus	*Miniopterus griffithsi* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Großabendsegler	*Nyctalus lasiopterus* (Schreber, 1780)
Großblattnasen	*MEGADERMATIDAE* H. Allen, 1864
Grossblattnasen	*MEGADERMATIDAE* H. Allen, 1864
Große Bulldoggfledermaus	*Tadarida ventralis* (Heuglin, 1861)
Große Hufeisennase	*Rhinolophus ferrumequinum* (Schreber, 1774)
Große Schlitznase	*Nycteris grandis* Peters, 1865

Große Schlitznasen-Fledermaus	*Nycteris grandis* Peters, 1865
Große Schmetterlingsfledermaus	*Glauconycteris superba* Hayman, 1939
Grosser Maskarenen-Flugfuchs	*Pteropus niger* (Kerr, 1792)
Großhufeisennase	*Rhinolophus ferrumequinum* (Schreber, 1774)
Großohr-Bulldoggfledermaus	*Tadarida lobata* (Thomas, 1891)
Großohrhohlnase	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Großohrige Riesen-Bulldoggfledermaus	*Otomops martiensseni* (Matschie, 1897)
Großohrige Schlitznasen-Fledermaus	*Nycteris macrotis* Dobson, 1876
Großohr-Rundblattnase	*Hipposideros megalotis* (Heuglin, 1861)
Grünliche Hausfledermaus	*Scotophilus viridis* (Peters, 1852)
Guinea-Hufeisennase	*Rhinolophus guineensis* Eisentraut, 1960
Guinea-Pipistrelle	*Neoromicia guineensis* (Bocage, 1889)
Guinea-Zwergfledermaus	*Neoromicia guineensis* (Bocage, 1889)
Haarbindigen Dämmerungsfledermaus	*Pipistrellus kuhlii* (Kuhl, 1817)
Halskrausen-Flughunde	*Myonycteris* Matschie, 1899
Hamiltons Grabfledermaus	*Taphozous hamiltoni* Thomas, 1920
Hammerkopf	*Hypsignathus monstrosus* H. Allen, 1862
Hammerkopf-Flughund	*Hypsignathus monstrosus* H. Allen, 1862
Hammerkopf-Flughunde	*Hypsignathus* H. Allen, 1862
Hanaks Pipistrelle	*Pipistrellus hanaki* Hulva and Benda, 2004
Hanaks Zwergfledermaus	*Pipistrellus hanaki* Hulva and Benda, 2004
Hardwickes Mausschwanz-Fledermaus	*Rhinopoma cystops* Thomas, 1903
Harlekin-Flughunde	*Scotonycteris* Matschie, 1894
Harrisons Samtfell-Flughund	*Myonycteris angolensis goliath* (Bergmans, 1997)
Hausfledermäuse	*Scotophilus* Leach, 1821
Haymans Kleiner Epaulettenflughund	*Micropteropus intermedius* Hayman, 1963
Hemprichs Wüstengroßohr	*Otonycteris hemprichii* Peters, 1859
Herznasen-Fledermaus	*Cardioderma cor* (Peters, 1872)
Herznasen-Fledermäuse	*Cardioderma* Peters, 1873
herzohrige Abendfledermaus	*Hypsugo savii* (Bonaparte, 1837)
Heuglins Wollfledermaus	*Kerivoula eriophora* (Heuglin, 1877)
Hildebrandts Hufeisennase	*Rhinolophus hildebrandtii* Peters, 1878
Hildegardes Grabfledermaus	*Taphozous hildegardeae* Thomas, 1909
Hills Hufeisennase	*Rhinolophus hilli* Aellen, 1973
Hindes Hausfledermaus	*Scotoecus hindei* Thomas, 1901
Hochland-Hufeisennase	*Rhinolophus hillorum* Koopman, 1989
Höhlenflughunde	*Rousettus* Gray, 1821
Hottentotten-Breitflügelfledermaus	*Eptesicus hottentotus* (A. Smith, 1833)
Hufeisennasen	*Rhinolophus* Lacépède, 1799
Hufeisennasen	*RHINOLOPHIDAE* Gray, 1825
Hufeisennasen-Fledermäuse	*RHINOLOPHIDAE* Gray, 1825
Hufeisennasen-Fledermäuse	*Rhinolophus* Lacépède, 1799
Hundkopf-Schwirrfledermaus	*Scotophilus nigrita* (Schreber, 1774)
Intermediäre Schlitznasenfledermaus	*Nycteris intermedia* Aellen, 1959
Intermediäre Schlitznasen-Fledermaus	*Nycteris intermedia* Aellen, 1959
Isabell-Breitflügelfledermaus	*Eptesicus isabellinus* (Temminck, 1840)
isabellfarbenen Abendfledermaus	*Eptesicus isabellinus* (Temminck, 1840)
Jones' Rundblattnase	*Hipposideros jonesi* Hayman, 1947
Kaffern-Sackfledermaus	*Miniopterus natalensis* (A. Smith, 1833)
Kahlschienige Dämmerungsfledermaus	*Pipistrellus pipistrellus* (Schreber, 1774)
Kahuzi-Hufeisennase	*Rhinolophus kahuzi* Fahr and Kerbis Peterhans, 2013
Kamerun-Rundblattnase	*Hipposideros camerunensis* Eisentraut, 1956
Kanaren-Langohr	*Plecotus teneriffae* Barrett-Hamilton, 1907
Kap-Hufeisennase	*Rhinolophus capensis* Lichtenstein, 1823
Kap-Pipistrelle	*Neoromicia capensis* (A. Smith, 1829)
Kap-Zwergfledermaus	*Neoromicia capensis* (A. Smith, 1829)
Kastanienrothe Kammnase	*Rhinolophus landeri* Martin, 1838
Kenya-Schmetterlingsfledermaus	*Glauconycteris kenyacola* Peterson, 1982
Kerbohrige Ohrenfledermaus	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Kleine Abendsegler	*Nyctalus leisleri* (Kuhl, 1817)
Kleine Bartfledermaus	*Myotis mystacinus* (Kuhl, 1817)
Kleine Bulldoggfledermaus	*Chaerephon pumilus* (Cretzschmar, 1826)
Kleine Epaulettenflughunde	*Micropteropus* Matschie, 1899
Kleine Hausfledermäuse	*Scotoecus* Thomas, 1901
Kleine Hufeisennase	*Rhinolophus hipposideros* (Bechstein, 1800)
Kleine Langflügelfledermaus	*Miniopterus fraterculus* Thomas and Schwann, 1906
Kleine Mausschwanzfledermaus	*Rhinopoma cystops* Thomas, 1903
Kleine Pipistrelle	*Pipistrellus nanulus* Thomas, 1904
Kleine Schmetterlingsfledermaus	*Glauconycteris beatrix* Thomas, 1901
Kleine Wollfledermaus	*Kerivoula lanosa* (A. Smith, 1847)
Kleine Zwergfledermaus	*Pipistrellus nanulus* Thomas, 1904
Kleiner Abendsegler	*Nyctalus leisleri* (Kuhl, 1817)
Kleiner Halskrausen-Flughund	*Myonycteris torquata* (Dobson, 1878)
Kleiner Maskarenen-Flugfuchs	*Pteropus subniger* (Kerr, 1792)
Kleinhufeisennase	*Rhinolophus hipposideros* (Bechstein, 1800)
Kleinohr-Dreizackblattnase	*Cloeotis* Thomas, 1901

Kleinste Schlitznasen-Fledermaus	*Nycteris nana* (K. Andersen, 1912)
Kocks Mausohr	*Myotis dieteri* M. Happold, 2005
Komoren-Höhlenflughund	*Rousettus obliviosus* Kock, 1978
Komoren-Langflügelfledermaus	*Miniopterus griveaudi* Harrison, 1959
Kongo-Bulldoggfledermaus	*Mops (Mops) congicus* J.A. Allen, 1917
Kupferfarbene Wollfledermaus	*Kerivoula cuprosa* Thomas, 1912
Kupferfarbenes Mausohr	*Myotis bocagii* (Peters, 1870)
Kurzflügel-Bulldoggfledermaus	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Kurzflügeligen Doggengrämler	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Kurzgaumen-Flughunde	*Casinycteris* Thomas, 1910
Kurzschwanz-Rundblattnase	*Hipposideros curtus* G.M. Allen, 1921
Lagos-Breitflügelfledermaus	*Eptesicus platyops* (Thomas, 1901)
Lamottes Rundblattnase	*Hipposideros lamottei* Brosset, 1985
Landers Hufeisennase	*Rhinolophus landeri* Martin, 1838
Langflügelfledermaus	*Miniopterus schreibersii* (Kuhl, 1817)
Langflügelfledermäuse	*MINIOPTERIDAE* Dobson, 1875
Langflügelfledermäuse	*Miniopterus* Bonaparte, 1837
Langfussfledermaus	*Myotis capaccinii* (Bonaparte, 1837)
Langfußfledermaus	*Myotis capaccinii* (Bonaparte, 1837)
Langohren	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Langohrfledermäuse	*Plecotus* E. Geoffroy St.-Hilaire, 1818
Leseuers Mausohr	*Cistugo lesueuri* Roberts, 1919
Livingstones Flugfuchs	*Pteropus livingstonii* Gray, 1866
Luftige Pipistrelle	*Pipistrellus aero* Heller, 1912
Luftige Zwergfledermaus	*Pipistrellus aero* Heller, 1912
Lybische Hufeisennase	*Rhinolophus horaceki* Benda and Vallo, 2012
Machados Schmetterlingsfledermaus	*Glauconycteris machadoi* Hayman, 1963
MacInnes' Mausschwanz-Fledermaus	*Rhinopoma macinnesi* Hayman, 1937
Maclauds Hufeisennase	*Rhinolophus maclaudi* Pousargues, 1898
Madagaskar Mastino-Fledermaus	*Mormopterus jugularis* (Peters, 1865)
Madagaskar Pipistrelle	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
Madagaskar-Flugfuchs	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Madagaskar-Freischwanzfledermaus	*Paremballonura atrata* (Peters, 1874)
Madagaskar-Haftscheibenfledermäuse	*Myzopoda* Milne-Edwards and A. Grandidier, 1878
Madagaskar-Haftscheibenfledermäuse	*MYZOPODIDAE* Thomas, 1904
Madagaskar-Hausfledermaus	*Scotophilus robustus* A. Milne-Edwards, 1881
Madagaskar-Höhlenflughund	*Rousettus madagascariensis* G. Grandidier, 1929
Madagaskar-Langflügelfledermaus	*Miniopterus sororculus* Goodman, Ryan, Maminirina, Fahr, Christidis and Appleton, 2007
Madagaskar-Mausohr	*Myotis goudoti* (A. Smith, 1834)
Madagaskar-Palmenflughund	*Eidolon dupreanum* (Schegel, 1867)
Madagaskar-Rundblattnase	*Macronycteris gigas* (Wagner, 1845)
Madagaskar-Rundblattnase	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Madagaskar-Zwergfledermaus	*Neoromicia malagasyensis* (Peterson, Eger and Mitchell, 1995)
Madagassische Bulldoggfledermaus	*Tadarida fulminans* (Thomas, 1903)
Madagassische Haftscheibenfledermaus	*MYZOPODIDAE* Thomas, 1904
Madagassische Riesen-Bulldoggfledermaus	*Otomops madagascariensis* Dorst, 1953
Madagassische Schlitznasen-Fledermaus	*Nycteris madagascariensis* G. Grandidier, 1937
Madeira-Pipistrelle	*Pipistrellus maderensis* (Dobson, 1878)
Madeira-Zwergfledermaus	*Pipistrellus maderensis* (Dobson, 1878)
Maghreb-Langflügelfledermaus	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Maghreb-Mausohr	*Myotis punicus* Felten, 1977
Mahafaly-Langflügelfledermaus	*Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009
Majors Langflügelfledermaus	*Miniopterus majori* Thomas, 1906
Manavi-Langflügelfledermaus	*Miniopterus manavi* Thomas, 1906
Marisas Rundblattnase	*Hipposideros marisae* Aellen, 1954
Marokkanische Rundblattnase	*Hipposideros tephrus* (Cabrera, 1906)
Marovaza-Hausfledermaus	*Scotophilus marovaza* Goodman, Ratrimomanarivo and Randrianandrianina, 2006
Marungu-Rundblattnase	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Marungu-Rundblattnase	*Macronycteris gigas* (Wagner, 1845)
Mastino-Fledermäuse	*Mormopterus* Peters, 1865
Matroka-Pipistrelle	*Neoromicia matroka* (Thomas and Schwann, 1905)
Matroka-Zwergfledermaus	*Neoromicia matroka* (Thomas and Schwann, 1905)
Mauritius Mastino-Fledermaus	*Mormopterus acetabulosus* (Hermann, 1804)
Mauritius-Grabfledermaus	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Maurizische Doggengrämler	*Mormopterus acetabulosus* (Hermann, 1804)
Mäuschen-Pipistrelle	*Hypsugo musciculus* (Thomas, 1913)
Mäuschen-Zwergfledermaus	*Hypsugo musciculus* (Thomas, 1913)
Mausohr	*Myotis* Kaup, 1829

Mausohren	*Myotis* Kaup, 1829
Mausohren	*Cistugo* Thomas, 1912
Mausschwanzfledermäuse	*RHINOPOMATIDAE* Dobson, 1872
Mausschwanz-Fledermäuse	*RHINOPOMATIDAE* Dobson, 1872
Mausschwanz-Fledermäuse	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Medje-Bulldoggfledermaus	*Mops (Mops) congicus* J.A. Allen, 1917
Mehely Hufeisennase	*Rhinolophus mehelyi* Matschie, 1901
Mehely-Hufeisennase	*Rhinolophus mehelyi* Matschie, 1901
Midas-Bulldoggfledermaus	*Mops (Mops) midas* (Sundevall, 1843)
Mittelmeerhufeisennase	*Rhinolophus euryale* Blasius, 1853
Mittelmeer-Hufeisennase	*Rhinolophus euryale* Blasius, 1853
Moloneys Flachkopf-Fledermaus	*Mimetillus moloneyi* (Thomas, 1891)
Moloneys Schmalflügel-Fledermaus	*Mimetillus moloneyi* (Thomas, 1891)
Mongalla-Bulldoggfledermaus	*Mops (Mops) demonstrator* (Thomas, 1903)
Mopsfledermaus	*Barbastella barbastellus* (Schreber, 1774)
Mopsfledermäuse	*Barbastella* Gray, 1821
Morris' Mausohr	*Myotis morrisi* Hill, 1971
Mossambique-Hufeisennase	*Rhinolophus mossambicus* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mossambique-Langflügelfledermaus	*Miniopterus mossambicus* Monadjem, Goodman, Stanley and Appleton, 2013
Mount Nimba-Rundblattnase	*Hipposideros lamottei* Brosset, 1985
Mozambique Dämmerungsfledermaus	*Neoromicia nana* (Peters, 1852)
Mt Mabu Hufeisennase	*Rhinolophus mabuensis* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Mückenfledermaus	*Pipistrellus pygmaeus* (Leach, 1825)
Nacktbauch-Grabfledermaus	*Taphozous nudiventris* Cretzschmar, 1830
Namibia-Langohrfledermaus	*Laephotis namibensis* Setzer, 1971
Namoroka-Langflügelfledermaus	*Miniopterus brachytragos* Goodman, Maminirina, Bradman, Christidis and Appleton, 2009
Natalischen Schwirrfledermaus	*Scotophilus dinganii* (A. Smith, 1833)
Natal-Langflügelfledermaus	*Miniopterus natalensis* (A. Smith, 1833)
Netzhäutigen Dämmerungsfledermaus	*Pipistrellus hesperidus* (Temminck, 1840)
Niangara-Bulldoggfledermaus	*Mops (Mops) niangarae* J.A. Allen, 1917
Nigeria-Bulldoggfledermaus	*Chaerephon nigeriae* Thomas, 1913
Nilflughund	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Noacks Rundblattnase	*Hipposideros ruber* (Noack, 1893)
Nußfarbene Hausfledermaus	*Scotophilus nux* Thomas, 1904
Olivenbraune Schwirrfledermaus	*Scotophilus leucogaster* (Cretzschmar, 1826)
Olivengrüne Schwirrfledermaus	*Scotophilus viridis* (Peters, 1852)
Östliche Haftscheibenfledermaus	*Myzopoda aurita* Milne-Edwards and A. Grandidier, 1878
Östliche Mopsfledermaus	*Barbastella leucomelas* (Cretzschmar, 1826)
Palmenflughund	*Eidolon helvum* (Kerr, 1792)
Palmenflughunde	*Eidolon* Rafinesque, 1815
Parisis Schlitznasen-Fledermaus	*Nycteris parisii* (de Beaux, 1924)
Patrizis Dreizackblattnase	*Asellia patrizii* de Beaux, 1931
Pels Taschenfledermaus	*Saccolaimus peli* (Temminck, 1853)
Pemba-Flugfuchs	*Pteropus voeltzkowi* Matschie, 1909
Percivals Kleinohr-Dreizackblattnase	*Cloeotis percivali* Thomas, 1901
Pergamentflügel-Fledermäuse	*Myopterus* E. Geoffroy St.-Hilaire, 1818
Peters' Epaulettenflughund	*Epomophorus crypturus* Peters, 1852
Peters' Flachkopf-Bulldoggfledermaus	*Platymops setiger* (Peters, 1878)
Peters' Kleiner Epaulettenflughund	*Micropteropus pusillus* (Peters, 1868)
Petersons Bulldoggfledermaus	*Mops (Xiphonycteris) petersoni* (El Rayah, 1981)
Petersons Langflügelfledermaus	*Miniopterus petersoni* Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton, 2008
Pipistrellen	*Pipistrellus* Kaup, 1829
Pohles Harlekin-Flughund	*Casinycteris ophiodon* (Pohle, 1943)
Raceys Pipistrelle	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Raceys Zwergfledermaus	*Pipistrellus raceyi* Bates, Ratrimomanarivo, Harrison and Goodman, 2006
Rauhaarschlitznase	*Nycteris hispida* (Schreber, 1774)
Reliktärer Halskrausen-Flughund	*Myonycteris relicta* Bergmans, 1980
Rendalls Pipistrelle	*Neoromicia rendalli* (Thomas, 1889)
Rendalls Zwergfledermaus	*Neoromicia rendalli* (Thomas, 1889)
Reunion Mastino-Fledermaus	*Mormopterus francoismoutoui* Goodman, Jansen Van Vuuren, Ratrimomanarivo, Probst, Bowie, 2008
Réunion-Hausfledermaus	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Riesen Abendsegler	*Nyctalus lasiopterus* (Schreber, 1780)
Riesenabendsegler	*Nyctalus lasiopterus* (Schreber, 1780)
Riesen-Bulldoggfledermäuse	*Otomops* Thomas, 1913
Riesen-Hausfledermaus	*Scotophilus nigrita* (Schreber, 1774)
Riesen-Rundblattnase	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)

Riesen-Rundblattnase	*Macronycteris gigas* (Wagner, 1845)
Robbins Hausfledermaus	*Scotophilus nucella* Robbins, 1983
Roberts' Flachkopf-Bulldoggfledermaus	*Sauromys petrophilus* (Roberts, 1917)
Roberts Zwergfledermaus	*Neoromicia robertsi* Goodman, Taylor, Ratrimomanarivo and Hoofer, 2012
Rodrigues-Flugfuchs	*Pteropus rodricensis* Dobson, 1878
Rodriguez-Flughund	*Pteropus rodricensis* Dobson, 1878
Rosevears Zwergfledermaus	*Neoromicia roseveari* Monadjem, Richards, Taylor and Stoffberg, 2013
Rostfarbene Bulldoggfledermaus	*Chaerephon russatus* J.A. Allen, 1917
Rostfarbene Pipistrelle	*Pipistrellus rusticus* (Tomes, 1861)
Rostfarbene Zwergfledermaus	*Pipistrellus rusticus* (Tomes, 1861)
rothbraune Doggengrämler	*Tadarida ventralis* (Heuglin, 1861)
Rothen Kamnase	*Rhinolophus alcyone* Temminck, 1853
Rötliche Dreizahn-Blattnase	*Triaenops menamena* Goodman and Ranivo, 2009
Rundblattnasen	*HIPPOSIDERIDAE* Lydekker, 1891
Rundlappigen Kammnase	*Rhinolophus landeri* Martin, 1838
Rüppells Hufeisennase	*Rhinolophus fumigatus* Rüppell, 1842
Rüppells Hufeisennase	*Rhinolophus fumigatus* Rüppell, 1842
Rüppells Pipistrelle	*Pipistrellus rueppellii* (Fischer, 1829)
Rüppells Zwergfledermaus	*Pipistrellus rueppellii* (Fischer, 1829)
Russbraunen Kamnase	*Rhinolophus capensis* Lichtenstein, 1823
Rußfarbene Rundblattnase	*Hipposideros fuliginosus* (Temminck, 1853)
Ruwenzori-Hufeisennase	*Rhinolophus ruwenzorii* J. Eric Hill, 1942
Sackfledermaus	*Miniopterus* Bonaparte, 1837
Sackflügel-Fledermäuse	*EMBALLONURIDAE* Gervais, 1855
Sakeji-Hufeisennase	*Rhinolophus sakejiensis* Cotterill, 2002
Samburu-Pipistrelle	*Neoromicia helios* (Heller, 1912)
Samburu-Zwergfledermaus	*Neoromicia helios* (Heller, 1912)
Samtfell-Flughunde	*Myonycteris* Matschie, 1899
Sanborns Epaulettenflughund	*Epomophorus grandis* (Sanborn, 1950)
Sao Thome Langflügelfledermaus	*Miniopterus newtoni* Bocage, 1889
São Tomé-Bulldoggfledermaus	*Chaerephon tomensis* (Juste and Ibáñez, 1993)
Schiebeschwanz-Fledermäuse	*Coleura* Peters, 1867
Schlangenzähniger Harlekin-Flughund	*Casinycteris ophiodon* (Pohle, 1943)
Schlieffens Abendfledermaus	*Nycticeinops schlieffenii* (Peters, 1859)
Schliemanns Haftscheibenfledermaus	*Myzopoda schliemanni* Goodman, Rakotondraparany and Kofoky, 2007
Schlitznasen	*NYCTERIDAE* Van der Hoeven, 1855
Schlitznasen	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Schlitznasenfledermäuse	*NYCTERIDAE* Van der Hoeven, 1855
Schlitznasen-Fledermäuse	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Schlitznasen-Fledermäuse	*NYCTERIDAE* Van der Hoeven, 1855
Schmalflügel-Fledermäuse	*Mimetillus* Thomas, 1904
Schmetterlingsfledermäuse	*Glauconycteris* Dobson, 1875
Schreibers Langflügelfledermaus	*Miniopterus schreibersii* (Kuhl, 1817)
Schwanzdrüsen-Bulldoggfledermaus	*Chaerephon bemmeleni* (Jentink, 1879)
Schwarzflügel-Hausfledermaus	*Scotoecus hirundo* (de Winton, 1899)
Schwarz-Weiße Schmetterlingsfledermaus	*Glauconycteris superba* Hayman, 1939
Scotts Mausohr	*Myotis scotti* Thomas, 1927
Sena-Doggengrämler	*Chaerephon pumilus* (Cretzschmar, 1826)
Sennaarische Doggengrämler	*Mops (Mops) midas* (Sundevall, 1843)
Seychellen Bulldoggfledermaus	*Chaerephon pusillus* (Miller, 1902)
Seychellen Schiebeschwanz-Fledermaus	*Coleura seychellensis* Peters, 1868
Seychellen-Flugfuchs	*Pteropus seychellensis* A. Milne-Edwards, 1877
Shoa Kamnase	*Rhinolophus fumigatus* Rüppell, 1842
Sierra-Leone Halskrausen-Flughund	*Myonycteris leptodon* K. Andersen, 1908
Silberne Schmetterlingsfledermaus	*Glauconycteris argentata* (Dobson, 1875)
Smithers Hufeisennase	*Rhinolophus smithersi* Taylor, Stoffberg, Monadjem, Schoeman, Bayliss and Cotterill, 2012
Smiths Samtfell-Flughund	*Myonycteris angolensis smithii* (Thomas, 1908)
Smiths Wollfledermaus	*Kerivoula smithii* Thomas, 1880
Somalia-Pipistrelle	*Neoromicia somalica* (Thomas, 1901)
Somalia-Zwergfledermaus	*Neoromicia somalica* (Thomas, 1901)
Somalische Dreizackblattnase	*Asellia italosomalica* de Beaux, 1931
Spurrells Bulldoggfledermaus	*Mops (Xiphonycteris) spurrelli* (Dollman, 1911)
Spurrells Wollfledermaus	*Kerivoula phalaena* Thomas, 1912
Stirngrubenfledermaus	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Stirnlappen-Bulldoggfledermaus	*Chaerephon major* (Trouessart, 1897)
Südafrikanischen Sackfledermaus	*Miniopterus natalensis* (A. Smith, 1833)
Sundevalls Rundblattnase	*Hipposideros caffer* (Sundevall, 1846)
Swinnys Hufeisennase	*Rhinolophus swinnyi* Gough, 1908
Tanzania-Hufeisennase	*Rhinolophus maendeleo* Kock, Csorba and Howell, 2000
Tanzania-Wollfledermaus	*Kerivoula africana* Dobson, 1878
Taschenfledermäuse	*Saccolaimus* Temminck, 1838

Temmincks Epaulettenflughund	*Epomophorus labiatus* (Temminck, 1837)
Temmincks Hufeisennase	*Rhinolophus alcyone* Temminck, 1853
Temmincks Rundblattnase	*Hipposideros fuliginosus* (Temminck, 1853)
Thersites' Bulldoggfledermaus	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Thomas' Schmalflügel-Fledermaus	*Mimetillus thomasi* Hinton, 1920
Trevors Bulldoggfledermaus	*Mops (Mops) trevori* J.A. Allen, 1917
Trouessarts Dreizahn-Blattnase	*Paratriaenops furculus* (Trouessart, 1907)
Tsingy-Freischwanzfledermaus	*Paremballonura tiavato* (Goodman, Cardiff, Ranivo, Russell, and Yoder, 2006)
Unerwartete Pipistrelle	*Pipistrellus inexspectatus* Aellen, 1959
Unerwartete Zwergfledermaus	*Pipistrellus inexspectatus* Aellen, 1959
Variable Bulldoggfledermaus	*Chaerephon jobimena* Goodman and Cardiff, 2004
Veldkamps Zwergflughund	*Nanonycteris veldkampii* (Jentink, 1888)
Verwechselte Pipistrelle	*Pipistrellus permixtus* Aellen, 1957
Verwechselte Zwergfledermaus	*Pipistrellus permixtus* Aellen, 1957
Vinsons Schlitznasen-Fledermaus	*Nycteris vinsoni* Dalquest, 1965
Wahlbergs Epaulettenflughund	*Epomophorus wahlbergi* (Sundevall, 1846)
Wald-Hufeisennase	*Rhinolophus silvestris* Aellen, 1959
Warzen-Breitflügelfledermaus	*Eptesicus floweri* (de Winton, 1901)
Weißbauch-Bulldoggfledermaus	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
Weißbäuchige Hausfledermaus	*Scotophilus leucogaster* (Cretzschmar, 1826)
Weissbauchige Schwirrfledermaus	*Scotophilus leucogaster* (Cretzschmar, 1826)
Weißflügel-Hausfledermaus	*Scotoecus albofuscus* (Thomas, 1890)
Weisskehl-Hausfledermaus	*Scotoecus albigula* Thomas, 1909
Weißrandfledermaus	*Pipistrellus kuhlii* (Kuhl, 1817)
Weißrand-Pipistrelle	*Pipistrellus kuhlii* (Kuhl, 1817)
Weißflügel Pipistrelle	*Neoromicia tenuipinnis* (Peters, 1872)
Weißflügel-Zwergfledermaus	*Neoromicia tenuipinnis* (Peters, 1872)
Welwitschs Mausohr	*Myotis welwitschii* (Gray, 1866)
Westafrikanische Nachtfledermaus	*Glauconycteris poensis* (Gray, 1842)
Westliche Hausfledermaus	*Scotophilus tandrefana* Goodman, Jenkins and Ratrimomanarivo, 2005
Westlicher Woermanns Langzungen-Flughund	*Megaloglossus azagnyi* Nesi, Kadjo and Hassanin, 2012
Whitleys Pergamentflügel-Fledermaus	*Myopterus whitleyi* (Scharff, 1900)
Willards Hufeisennase	*Rhinolophus willardi* Kerbis Peterhans and Fahr, 2013
Wimperfledermaus	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Winziger Epaulettenflughund	*Epomophorus minimus* Claessen & De Vree, 1991
Woermanns Langzungen-Flughund	*Megaloglossus woermanni* Pagenstecher, 1885
Wollfledermäuse	*Kerivoula* Gray, 1842
Woods Schlitznasen-Fledermaus	*Nycteris woodi* K. Andersen, 1914
Wüsten-Großohren	*Otonycteris* Peters, 1859
Zenkers Harlekin-Flughund	*Scotonycteris zenkeri* Matschie, 1894
Ziama-Hufeisennase	*Rhinolophus ziama* Fahr, Vierhaus, Hutterer and Kock, 2002
Zulu-Pipistrelle	*Neoromicia zuluensis* (Roberts, 1924)
Zulu-Zwergfledermaus	*Neoromicia zuluensis* (Roberts, 1924)
zweistreifige Doggengrämler	*Chaerephon bivittatus* (Heuglin, 1861)
Zwerg-Bulldoggfledermaus	*Mops (Xiphonycteris) nanulus* J.A. Allen, 1917
Zwerg-Doggengrämler	*Chaerephon pumilus* (Cretzschmar, 1826)
Zwergfledermaus	*Pipistrellus pipistrellus* (Schreber, 1774)
Zwergfledermäuse	*Pipistrellus* Kaup, 1829
Zwergflughunde	*Nanonycteris* Matschie, 1899
Zwerg-Langflügelfledermaus	*Miniopterus minor* Peters, 1867
Zwerg-Schlitznasenfledermaus	*Nycteris nana* (K. Andersen, 1912)
Zyklopen-Rundblattnase	*Doryrhina cyclops* (Temminck, 1853)

Greek

Βουνονυχτερίδα	*Hypsugo savii* (Bonaparte, 1837)
Λευκονυχτερίδα	*Pipistrellus kuhlii* (Kuhl, 1817)
Μεσορινόλοφος	*Rhinolophus euryale* Blasius, 1853
Μικρονυκτοβάτης	*Nyctalus leisleri* (Kuhl, 1817)
Μικρονυχτερίδα	*Pipistrellus pygmaeus* (Leach, 1825)
Μικροριόλοφος	*Rhinolophus hipposideros* (Bechstein, 1800)
Μουστακονυχερίδα	*Myotis mystacinus* (Kuhl, 1817)
Νανονυχτερίδα	*Pipistrellus pipistrellus* (Schreber, 1774)
Νυχτονόμος	*Tadarida teniotis* (Rafinesque, 1814)
Ποδαρομνωίδα	*Myotis capaccinii* (Bonaparte, 1837)
Πτρυγονυχτερίδα	*Miniopterus schreibersii* (Kuhl, 1817)
Πυρρομυωτιδα	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Ρινόλοφος του Blasius	*Rhinolophus blasii* Peters, 1867
Τρανορινόλοφος	*Rhinolophus ferrumequinum* (Schreber, 1774)

Hungarian

Alpesi denevér	*Hypsugo savii* (Bonaparte, 1837)
bajuszos denevér	*Myotis mystacinus* (Kuhl, 1817)
csonkafülû denevér	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Fehérszélu törpedenevér	*Pipistrellus kuhlii* (Kuhl, 1817)
Hosszúszárnyú denevér	*Miniopterus schreibersii* (Kuhl, 1817)
is patkósorrú denevér	*Rhinolophus hipposideros* (Bechstein, 1800)
kereknyergû patkósorrú denevér	*Rhinolophus euryale* Blasius, 1853
kis patkósdenevér	*Rhinolophus hipposideros* (Bechstein, 1800)
Közönséges törpedenevér	*Pipistrellus pipistrellus* (Schreber, 1774)
nagy patkósdenevér	*Rhinolophus ferrumequinum* (Schreber, 1774)
nagy patkósorrú denevér	*Rhinolophus ferrumequinum* (Schreber, 1774)
Nycteris i alpios	*Hypsugo savii* (Bonaparte, 1837)
Nycteris i kini	*Pipistrellus pipistrellus* (Schreber, 1774)
Nycteris i leukogyros	*Pipistrellus kuhlii* (Kuhl, 1817)
Nycteris i macropterys	*Miniopterus schreibersii* (Kuhl, 1817)
Nycteris i macropus	*Myotis capaccinii* (Bonaparte, 1837)
Nycteris i mikromolossos	*Barbastella barbastellus* (Schreber, 1774)
Nycteris i mystakophoros	*Myotis mystacinus* (Kuhl, 1817)
Nycteris i urophoros	*Tadarida teniotis* (Rafinesque, 1814)
Nycteris pterygisti i megali	*Nyctalus lasiopterus* (Schreber, 1780)
Nycteris pterygisti i mikra	*Nyctalus leisleri* (Kuhl, 1817)
Nyugati piszedenevér	*Barbastella barbastellus* (Schreber, 1774)
pisze denevér	*Barbastella barbastellus* (Schreber, 1774)
Piszedenevér	*Barbastella barbastellus* (Schreber, 1774)
Rhinolophos i megali	*Rhinolophus ferrumequinum* (Schreber, 1774)
Rhinolophos i mehelios	*Rhinolophus euryale* Blasius, 1853
Rhinolophos i mikra	*Rhinolophus hipposideros* (Bechstein, 1800)
Rinolophos i mesogiaki	*Rhinolophus euryale* Blasius, 1853
Szoprán törpedenevér	*Pipistrellus pygmaeus* (Leach, 1825)
szoröskarú denevér	*Nyctalus leisleri* (Kuhl, 1817)
törpe denevér	*Pipistrellus pipistrellus* (Schreber, 1774)
törpe denevér	*Miniopterus schreibersii* (Kuhl, 1817)

Indonesian

Kelelawar ekor lembing	*Rhinopoma microphyllum* (Brünnich, 1782)
Kelelawar Ekor-tikus	*Rhinopoma microphyllum* (Brünnich, 1782)
Kelelawar mini biasa	*Miniopterus schreibersii* (Kuhl, 1817)
Kelelawar mini schreiber	*Miniopterus schreibersii* (Kuhl, 1817)
Kelelewar myotis pucuk	*Myotis mystacinus* (Kuhl, 1817)
Tomosu Biasa	*Miniopterus schreibersii* (Kuhl, 1817)

isiXhosa

idludaka	*CHIROPTERA* Blumenbach, 1779
ilulwane	*CHIROPTERA* Blumenbach, 1779

Italian

Asèllia di Patrìzi	*Asellia patrizii* de Beaux, 1931
Asèllia italosòmala	*Asellia italosomalica* de Beaux, 1931
Asèllie	*Asellia* Gray, 1838
Barbastello	*Barbastella barbastellus* (Schreber, 1774)
Cardiodèrma	*Cardioderma* Peters, 1873
Cardiodèrma nàso a cuòre	*Cardioderma cor* (Peters, 1872)
Carlìno brachìttero	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Carlìno condilùro	*Mops (Mops) condylurus* (A. Smith, 1833)
Carlìno Mìda	*Mops (Mops) midas* (Sundevall, 1843)
Carlìno setolóso	*Platymops setiger* (Peters, 1878)
Cherefónte bivittàto	*Chaerephon bivittatus* (Heuglin, 1861)
Cherefónte di Ansòrge	*Chaerephon ansorgei* (Thomas, 1913)
Cherefónte nigeriàno	*Chaerephon nigeriae* Thomas, 1913
Cherefónte pigmèo	*Chaerephon pumilus* (Cretzschmar, 1826)
Cherefónti	*Chaerephon* Dobson, 1874
Cherìvoula di Smith	*Kerivoula smithii* Thomas, 1880
Cherìvoule	*Kerivoula* Gray, 1842
Chiròtreri	*CHIROPTERA* Blumenbach, 1779
Cloeòtide di Pèrcival	*Cloeotis percivali* Thomas, 1901
Cloeòtidi	*Cloeotis* Thomas, 1901
Còleura africàna	*Coleura afra* (Peters, 1852)
Èidoli	*Eidolon* Rafinesque, 1815

Èidolo paglierìno	*Eidolon helvum* (Kerr, 1792)
Emballonùridi	*EMBALLONURIDAE* Gervais, 1855
Epomòfori	*Epomophorus* Bennett, 1836
Epomòforo di Wàhlberg	*Epomophorus wahlbergi* (Sundevall, 1846)
Epomòforo labiàto	*Epomophorus labiatus* (Temminck, 1837)
Epomòforo mìnimo	*Epomophorus minimus* Claessen & De Vree, 1991
Fàlsi vampìri	*MEGADERMATIDAE* H. Allen, 1864
Fàlsi vampìri dàlle àli giàlle	*Lavia* Gray, 1838
Fàlso vampìre dàlle ali giàlle	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Fàlso vampìro dàl nàso a cuòre	*Cardioderma cor* (Peters, 1872)
Fèrri di cavàllo	*Rhinolophus* Lacépède, 1799
Fèrro di cavàllo affumicàto	*Rhinolophus fumigatus* Rüppell, 1842
Fèrro di cavàllo di Blàsius	*Rhinolophus blasii* Peters, 1867
Fèrro di cavàllo di Cretzschmar	*Rhinolophus clivosus* Cretzschmar, 1828
Fèrro di cavàllo di Dècken	*Rhinolophus deckenii* Peters, 1868
Ferro di cavallo di Méhely	*Rhinolophus mehelyi* Matschie, 1901
Fèrro di cavàllo eloquènte	*Rhinolophus eloquens* K. Andersen, 1905
Ferro di cavallo Eurìale	*Rhinolophus euryale* Blasius, 1853
Ferro di Cavallo Maggiore	*Rhinolophus ferrumequinum* (Schreber, 1774)
ferro di cavallo mediterraneo	*Rhinolophus euryale* Blasius, 1853
Fèrro di cavàllo minóre	*Rhinolophus hipposideros* (Bechstein, 1800)
Fèrro di cavàllo simulatóre	*Rhinolophus simulator* K. Andersen, 1904
Glauconicterìde argentàta	*Glauconycteris argentata* (Dobson, 1875)
Glauconicterìde keniòta	*Glauconycteris kenyacola* Peterson, 1982
Glauconicterìde variegàta	*Glauconycteris variegata* (Tomes, 1861)
Glauconitterìde argentàta	*Glauconycteris argentata* (Dobson, 1875)
Glauconitterìde keniòta	*Glauconycteris kenyacola* Peterson, 1982
Glauconitterìde variegàta	*Glauconycteris variegata* (Tomes, 1861)
Glauconittèridi	*Glauconycteris* Dobson, 1875
Ipposidèri	*Hipposideros* Gray, 1831
Ipposidèridi	*HIPPOSIDERIDAE* Lydekker, 1891
Ipposìdero càfro	*Hipposideros caffer* (Sundevall, 1846)
Ipposìdero orecchiùto	*Hipposideros megalotis* (Heuglin, 1861)
Ipposìdero vittàto	*Macronycteris vittatus* (Peters, 1852)
Ipsùghi	*Hypsugo* Kolenati, 1856
Lefòte di Wìnton	*Laephotis wintoni* Thomas, 1901
Lefòti	*Laephotis* Thomas, 1901
Lissonictèride angolàna	*Myonycteris angolensis* (Bocage, 1898)
Lissonittèride angolàna	*Myonycteris angolensis* (Bocage, 1898)
Megadermàtidi	*MEGADERMATIDAE* H. Allen, 1864
Mimetìlli	*Mimetillus* Thomas, 1904
Mimetìllo di Moloney	*Mimetillus moloneyi* (Thomas, 1891)
Miniòptere minóre	*Miniopterus minor* Peters, 1867
Minioptèridi	*MINIOPTERIDAE* Dobson, 1875
Miniòptero di Schrèibers	*Miniopterus schreibersii* (Kuhl, 1817)
Miniòptero maggióre di Thòmas	*Miniopterus inflatus* Thomas, 1903
Miniottèridi	*MINIOPTERIDAE* Dobson, 1875
Miniottero	*Miniopterus schreibersii* (Kuhl, 1817)
Miniòttero di Schrèibers	*Miniopterus schreibersii* (Kuhl, 1817)
Miniòttero maggióre di Thòmas	*Miniopterus inflatus* Thomas, 1903
Miniòttero minóre	*Miniopterus minor* Peters, 1867
Molòssidi	*MOLOSSIDAE* Gervais, 1856
Molosso di Cestoni	*Tadarida teniotis* (Rafinesque, 1814)
Neoromìcie	*Neoromicia* Roberts, 1926
Nicterìde di Parìsi	*Nycteris parisii* (de Beaux, 1924)
Nicterìde di Tèbe	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nicterìde irsùta	*Nycteris hispida* (Schreber, 1774)
Nicterìde ìspida	*Nycteris hispida* (Schreber, 1774)
Nicterìde orecchiùta	*Nycteris aurita* (K. Andersen, 1912)
Nicterìde tebàna	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nicterìdi	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Nicticèinope di Schlieffen	*Nycticeinops schlieffenii* (Peters, 1859)
Nicticèinopi	*Nycticeinops* Hill & Harrison, 1987
Nitterìde di Dòbson; Nicterìde di Dobsòn	*Nycteris macrotis* Dobson, 1876
Nitterìde di Parìsi	*Nycteris parisii* (de Beaux, 1924)
Nitterìde di Tèbe	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nitterìde irsùta	*Nycteris hispida* (Schreber, 1774)
Nitterìde ìspida	*Nycteris hispida* (Schreber, 1774)
Nitterìde orecchiùta	*Nycteris aurita* (K. Andersen, 1912)
Nitterìde tebàna	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Nitterìdi	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Nitticèinope di Schlieffen	*Nycticeinops schlieffenii* (Peters, 1859)
Nitticèinopi	*Nycticeinops* Hill & Harrison, 1987
Nottola di Leisler	*Nyctalus leisleri* (Kuhl, 1817)
Nottola gigante	*Nyctalus lasiopterus* (Schreber, 1780)
Orecchione di Gaisler	*Plecotus gaisleri* Benda, Kiefer, Hanak & Veith, 2004

Otocarlìno	*Otomops* Thomas, 1913
Otocarlìno di Martienssèn	*Otomops martiensseni* (Matschie, 1897)
Pipistrèlli	*CHIROPTERA* Blumenbach, 1779
Pipistrèlli	*Pipistrellus* Kaup, 1829
Pipistrèlli a códa di tòpo	*RHINOPOMATIDAE* Dobson, 1872
Pipistrèlli délle tómbe	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Pipistrello albolimbato	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrèllo capènse	*Neoromicia capensis* (A. Smith, 1829)
Pipistrèllo carlìno	*Mops* Lesson, 1842
Pipistrello de Kühli	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrèllo di Eisentràut	*Hypsugo eisentrauti* (Hill, 1968)
Pipistrèllo di Hèller	*Neoromicia helios* (Heller, 1912)
Pipistrèllo di Peters	*Neoromicia tenuipinnis* (Peters, 1872)
Pipistrèllo di Pèters	*Neoromicia nana* (Peters, 1852)
Pipistrèllo di Rèndall	*Neoromicia rendalli* (Thomas, 1889)
Pipistrèllo di Rùppell	*Pipistrellus rueppellii* (Fischer, 1829)
Pipistrello di Savi	*Hypsugo savii* (Bonaparte, 1837)
Pipistrèllo giallàstro	*Neoromicia flavescens* (Seabra, 1900)
Pipistrèllo guineàno	*Neoromicia guineensis* (Bocage, 1889)
Pipistrello nano	*Pipistrellus pipistrellus* (Schreber, 1774)
Pipistrèllo nàno déi banàni	*Neoromicia nana* (Peters, 1852)
Pipistrello pigmeo	*Pipistrellus pygmaeus* (Leach, 1825)
Pipistrèllo rugginóso	*Pipistrellus rusticus* (Tomes, 1861)
Pipistrèllo seràle	*Pipistrellus hesperidus* (Temminck, 1840)
Pipistrèllo sòmalo	*Neoromicia somalica* (Thomas, 1901)
Pipistrello soprano	*Pipistrellus pygmaeus* (Leach, 1825)
Platicarlìni	*Platymops* Thomas, 1906
Ptèropi fantasrna	*Eidolon* Rafinesque, 1815
Ptèropo fantàsma paglierìno	*Eidolon helvum* (Kerr, 1792)
Pteropòdidi; Pteròpidi	*PTEROPODIDAE* Gray, 1821
Rhinopòma	*Rhinopoma* E. Geoffroy St.-Hilaire, 1818
Rhinopòma àfro-ovestasiàtico	*Rhinopoma cystops* Thomas, 1903
Rinòlofi	*Rhinolophus* Lacépède, 1799
Rinolòfidi	*RHINOLOPHIDAE* Gray, 1825
Rinòlofo affumicàto	*Rhinolophus fumigatus* Rüppell, 1842
Rinòlofo di Blàsius	*Rhinolophus blasii* Peters, 1867
Rinòlofo di Cretzschrnar	*Rhinolophus clivosus* Cretzschmar, 1828
Rinòlofo di Dècken	*Rhinolophus deckenii* Peters, 1868
Rinòlofo di Hildebrandt; Fèrro di cavàllo di Hildebrandt	*Rhinolophus hildebrandtii* Peters, 1878
Rinòlofo di Lànder	*Rhinolophus landeri* Martin, 1838
Rinolofo di Méhely	*Rhinolophus mehelyi* Matschie, 1901
Rinòlofo eloquènte	*Rhinolophus eloquens* K. Andersen, 1905
Rinolofo Eurìale	*Rhinolophus euryale* Blasius, 1853
Rinolofo maggiore	*Rhinolophus ferrumequinum* (Schreber, 1774)
Rinòlofo minóre	*Rhinolophus hipposideros* (Bechstein, 1800)
Rinòlofo sirnulatóre	*Rhinolophus simulator* K. Andersen, 1904
Rinopòma di MacÌnnes	*Rhinopoma macinnesi* Hayman, 1937
Rinopòma microfìllo	*Rhinopoma microphyllum* (Brünnich, 1782)
Rinopormàtidi	*RHINOPOMATIDAE* Dobson, 1872
Rossétti	*Rousettus* Gray, 1821
Rossétto dél Nìlo	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Rossétto egiziàno	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Scotoèchi	*Scotoecus* Thomas, 1901
Scotoèco di Hìnde	*Scotoecus hindei* Thomas, 1901
Scotoèco golabiànca	*Scotoecus albigula* Thomas, 1909
Scotoèco róndine	*Scotoecus hirundo* (de Winton, 1899)
Scotòfili	*Scotophilus* Leach, 1821
Scotòfilo di Dìngan	*Scotophilus dinganii* (A. Smith, 1833)
Scotòfilo panciabiànca	*Scotophilus leucogaster* (Cretzschmar, 1826)
Scotòfilo scùro	*Scotophilus nigrita* (Schreber, 1774)
Scotòfilo vérde	*Scotophilus viridis* (Peters, 1852)
Tadarìda egiziàna	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Tadarìda ventràle	*Tadarida ventralis* (Heuglin, 1861)
Tadarìde	*Tadarida* Rafinesque, 1814
Tafozòi	*Taphozous* E. Geoffroy St.-Hilaire, 1818
Tafozòo di Hàmilton	*Taphozous hamiltoni* Thomas, 1920
Tafozòo di Hildegàrde	*Taphozous hildegardeae* Thomas, 1909
Tafozòo maurizièno	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Tafozòo nudivèntre	*Taphozous nudiventris* Cretzschmar, 1830
Tafozòo perforàto	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Trièпope àfro	*Triaenops afer* Peters, 1877
Trièпopi	*Triaenops* Dobson, 1871
Vespertilio di Capaccini	*Myotis capaccinii* (Bonaparte, 1837)
Vespertilio maghrebino	*Myotis punicus* Felten, 1977
Vespertilio mustacchino	*Myotis mystacinus* (Kuhl, 1817)
Vespertilio smarginato	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)

Vespertiliònidi	*VESPERTILIONIDAE* Gray, 1821

Japanese

Pita-ohiki-koumori	*Mormopterus jugularis* (Peters, 1865)

Kenya Ruanda

Mokombe	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818

Kiande (DRC)

Kakorokombe	*Nycteris* G. Cuvier and E. Geoffroy, 1795

Kiluba (DRC)

Kasusu	*Kerivoula argentata* Tomes, 1861
Kasusu	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Kasusu	*Neoromicia capensis* (A. Smith, 1829)
Kasusu	*Cloeotis percivali* Thomas, 1901
Kasusu	*Neoromicia nana* (Peters, 1852)
Kasusu	*Rhinolophus hildebrandtii* Peters, 1878
Kasusu	*Chaerephon pumilus* (Cretzschmar, 1826)
Kasusu	*Hipposideros caffer* (Sundevall, 1846)
Kasusu	*Nycticeinops schlieffenii* (Peters, 1859)
Kasusu	*Rhinolophus landeri* Martin, 1838
Kasusu	*Rhinolophus* Lacépède, 1799
Kasusu	*Nycteris* G. Cuvier and E. Geoffroy, 1795
Kasusu	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Katutu	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Katutu	*Nycteris hispida* (Schreber, 1774)
Katutu	*Nycteris arge* Thomas, 1903
Mulima	*Micropteropus pusillus* (Peters, 1868)
Mulima	*Plerotes anchietae* (Seabra, 1900)
Mulima	*Myonycteris angolensis* (Bocage, 1898)
Mulima	*Myotis welwitschii* (Gray, 1866)
Mulima	*Epomophorus* Bennett, 1836

Kinande (DRC)

Apopo	*Epomophorus labiatus* (Temminck, 1837)
Kahazo-komule	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Kakoro kombe	*Lavia frons* (E. Geoffroy St.-Hilaire, 1810)
Kakorokombe	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Karakonube	*Stenonycteris lanosus* (Thomas, 1906)
Mulima	*Macronycteris gigas* (Wagner, 1845)
Mulima	*Eidolon helvum* (Kerr, 1792)
Mulima	*Myonycteris angolensis* (Bocage, 1898)
Mulima	*Otomops martiensseni* (Matschie, 1897)
Mulima	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Mulina	*Hypsignathus monstrosus* H. Allen, 1862

Macedonian

Beloraben Liljak	*Pipistrellus kuhlii* (Kuhl, 1817)
Blasiev Potkovichar	*Rhinolophus blasii* Peters, 1867
Dolgokrilest Liljak	*Miniopterus schreibersii* (Kuhl, 1817)
Dolgoprst Nokjnik	*Myotis capaccinii* (Bonaparte, 1837)
Dzudzest Liljak	*Pipistrellus pipistrellus* (Schreber, 1774)
Golem Potkovichar	*Rhinolophus ferrumequinum* (Schreber, 1774)
Juzhen Potkovichar	*Rhinolophus euryale* Blasius, 1853
Kafeav Dzudzest Liljak	*Pipistrellus pygmaeus* (Leach, 1825)
Mal Potkovichar	*Rhinolophus hipposideros* (Bechstein, 1800)
Mustakjest Nokjnik	*Myotis mystacinus* (Kuhl, 1817)
Opashest Liljak	*Tadarida teniotis* (Rafinesque, 1814)
Saviev Liljak	*Hypsugo savii* (Bonaparte, 1837)
Shumski Vechernik	*Nyctalus leisleri* (Kuhl, 1817)
Troboen Nokjnik	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)

Malagasy

Angavo	*Eidolon dupreanum* (Schegel, 1867)
Fanihy	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
kitrotroke	*Miniopterus mahafaliensis* Goodman, Bradman, Christides and Appleton, 2009

Maltese

Farfet il-Lejl ta' Xrajber	*Miniopterus schreibersii* (Kuhl, 1817)
Farfett il-Lejl tan-Nala kbir	*Rhinolophus ferrumequinum* (Schreber, 1774)
Farfett il-Lejl tan-Nala Zghir	*Rhinolophus hipposideros* (Bechstein, 1800)
Farfett il-Lejl Widnet il-Gurdien	*Myotis punicus* Felten, 1977
Pipistrell	*Pipistrellus pipistrellus* (Schreber, 1774)
Pipistrell ta' Kuhl	*Pipistrellus kuhlii* (Kuhl, 1817)

Manganja

Chuchu	*Neoromicia nana* (Peters, 1852)

Misuku

Kashusha	*Neoromicia nana* (Peters, 1852)

Norwegian

Buldoggflaggermus	*MOLOSSIDAE* Gervais, 1856
Dvergflaggermus	*Pipistrellus pipistrellus* (Schreber, 1774)
Dvergflaggermus	*Pipistrellus pygmaeus* (Leach, 1825)
Ekte hesteskonese	*RHINOLOPHIDAE* Gray, 1825
falske hesteskoneser	*HIPPOSIDERIDAE* Lydekker, 1891
falske vampyrer	*MEGADERMATIDAE* H. Allen, 1864
Flyvende hunder	*PTEROPODIDAE* Gray, 1821
foldeleppede flaggermus	*MOLOSSIDAE* Gervais, 1856
Frihalete flaggermus	*EMBALLONURIDAE* Gervais, 1855
Geoffroyflaggermus	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Glattneseflaggermus	*VESPERTILIONIDAE* Gray, 1821
Glattneser	*VESPERTILIONIDAE* Gray, 1821
gravflaggermus	*EMBALLONURIDAE* Gervais, 1855
Hesteskoneser	*RHINOLOPHIDAE* Gray, 1825
Hullneser	*NYCTERIDAE* Van der Hoeven, 1855
kalong	*PTEROPODIDAE* Gray, 1821
klaffneser	*RHINOPOMATIDAE* Dobson, 1872
Langhalete flaggermus	*RHINOPOMATIDAE* Dobson, 1872
Liten hesteskonese	*Rhinolophus hipposideros* (Bechstein, 1800)
Rundbladneser	*HIPPOSIDERIDAE* Lydekker, 1891
Skjeggflaggermus	*Myotis mystacinus* (Kuhl, 1817)
Stor hesteskonese	*Rhinolophus ferrumequinum* (Schreber, 1774)
Storøreflaggermus	*MEGADERMATIDAE* H. Allen, 1864
striflaggermus	*NYCTERIDAE* Van der Hoeven, 1855
Sugeskålflaggermus	*MYZOPODIDAE* Thomas, 1904

Nyanja

Mleme	*Epomophorus crypturus* Peters, 1852

Nyungwe

Kalemawalema (but not specific)	*Chaerephon pumilus* (Cretzschmar, 1826)
Kalemawalema (not specific)	*Hipposideros caffer* (Sundevall, 1846)

Polish

mopek	*Barbastella barbastellus* (Schreber, 1774)
mroczkowate	*VESPERTILIONIDAE* Gray, 1821
nocek orzesiony	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
nocki	*Myotis* Kaup, 1829
podkowcowate	*RHINOLOPHIDAE* Gray, 1825
podkowiec duzy	*Rhinolophus ferrumequinum* (Schreber, 1774)
podkowiec maly	*Rhinolophus hipposideros* (Bechstein, 1800)
Rudawka nilowa	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)

Portuguese

Morcego amarelo pequeno	*Scotophilus borbonicus* (E. Geoffroy St.-Hilaire, 1803)
Morcego anao de Kuhl	*Pipistrellus kuhlii* (Kuhl, 1817)
Morcego borboleta	*Glauconycteris variegata* (Tomes, 1861)
Morcego caseiro amarelo	*Scotophilus dinganii* (A. Smith, 1833)
Morcego caseiro de Rendall	*Neoromicia rendalli* (Thomas, 1889)
Morcego caseiro do cabo	*Neoromicia capensis* (A. Smith, 1829)
Morcego caseiro Hottentot	*Eptesicus hottentotus* (A. Smith, 1833)
Morcego da Madeira	*Pipistrellus maderensis* (Dobson, 1878)
Morcego das bananeiras	*Neoromicia nana* (Peters, 1852)
Morcego das sepulturas das Mauricias	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Morcego das sepulturas do egipto	*Taphozous perforatus* E. Geoffroy St.-Hilaire, 1818
Morcego de cabeca curta	*Sauromys petrophilus* (Roberts, 1917)
Morcego de cauda	*Coleura afra* (Peters, 1852)
Morcego de cauda livre	*Mops (Mops) condylurus* (A. Smith, 1833)
Morcego de cauda livre de Ansorge	*Chaerephon ansorgei* (Thomas, 1913)
Morcego de cauda livre de ventre branco	*Mops (Mops) niveiventer* Cabrera and Ruxton, 1926
Morcego de cauda livre do egipto	*Tadarida aegyptiaca* (E. Geoffroy St.-Hilaire, 1818)
Morcego de cauda livre malhado	*Chaerephon bivittatus* (Heuglin, 1861)
Morcego de Kuhl	*Pipistrellus kuhlii* (Kuhl, 1817)
Morcego de nariz enfolhado da cafraria	*Hipposideros caffer* (Sundevall, 1846)
Morcego de nariz enfolhado de commerson	*Macronycteris commersoni* (E. Geoffroy St.-Hilaire, 1813)
Morcego de nariz enfolhado de commerson	*Macronycteris gigas* (Wagner, 1845)
Morcego de railer	*Mops (Xiphonycteris) thersites* (Thomas, 1903)
Morcego de Savii	*Hypsugo savii* (Bonaparte, 1837)
Morcego de Schlieffens	*Nycticeinops schlieffenii* (Peters, 1859)
Morcego de schreiber	*Miniopterus schreibersii* (Kuhl, 1817)
Morcego dos Açores	*Nyctalus azoreum* (Thomas, 1901)
Morcego ferradura da Damarlandia	*Rhinolophus fumigatus* Rüppell, 1842
Morcego ferradura das savanas	*Rhinolophus simulator* K. Andersen, 1904
Morcego ferradura de cabo	*Rhinolophus capensis* Lichtenstein, 1823
Morcego ferradura de Darling	*Rhinolophus darlingi* K. Andersen, 1905
Morcego ferradura de Dent	*Rhinolophus denti* Thomas, 1904
Morcego ferradura de Hildebrandt	*Rhinolophus hildebrandtii* Peters, 1878
Morcego ferradura de Lander	*Rhinolophus landeri* Martin, 1838
Morcego ferradura de nariz de sela	*Rhinolophus blasii* Peters, 1867
Morcego ferradura de Swinny	*Rhinolophus swinnyi* Gough, 1908
Morcego ferradura gigante	*Rhinolophus clivosus* Cretzschmar, 1828
Morcego Frugivoro de Bocage	*Myonycteris angolensis* (Bocage, 1898)
Morcego frugivoro de Peters	*Epomophorus crypturus* Peters, 1852
Morcego frugivoro de Wahlberg	*Epomophorus wahlbergi* (Sundevall, 1846)
Morcego frugivoro do Egipto	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Morcego frugivoro gigante	*Eidolon helvum* (Kerr, 1792)
Morcego gigante amarelo das casas	*Scotophilus nigrita* (Schreber, 1774)
Morcego gigante de cauda livre	*Tadarida ventralis* (Heuglin, 1861)
Morcego grande de dedos compridos	*Miniopterus inflatus* Thomas, 1903
Morcego grande orelhudo	*Nycteris grandis* Peters, 1865
Morcego lamoso Harrison	*Kerivoula lanosa* (A. Smith, 1847)
Morcego lanoso da Damaralandia	*Kerivoula argentata* Tomes, 1861
Morcego lanudo de Bocage	*Myotis bocagii* (Peters, 1870)
Morcego lanudo de weltsch	*Myotis welwitschii* (Gray, 1866)
Morcego orelhudo do Egipto	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Morcego orelhudo piloso	*Nycteris hispida* (Schreber, 1774)
Morcego pequeno das casas	*Scotoecus albofuscus* (Thomas, 1890)
Morcego pequeno de cauda livre	*Chaerephon pumilus* (Cretzschmar, 1826)
Morcego pequeno de dedos compridos	*Miniopterus fraterculus* Thomas and Schwann, 1906
Morcego tridentado	*Cloeotis percivali* Thomas, 1901
Morcego-anão	*Pipistrellus pipistrellus* (Schreber, 1774)
Morcego-arborícola-gigante	*Nyctalus lasiopterus* (Schreber, 1780)
Morcego-arborícola-pequeno	*Nyctalus leisleri* (Kuhl, 1817)
Morcego-das-bananas	*Neoromicia nana* (Peters, 1852)
Morcego-de-bigodes	*Myotis mystacinus* (Kuhl, 1817)
Morcego-de-ferradura-grande	*Rhinolophus ferrumequinum* (Schreber, 1774)
Morcego-de-ferradura-mourisco	*Rhinolophus mehelyi* Matschie, 1901
Morcego-de-ferradura-pequeno	*Rhinolophus hipposideros* (Bechstein, 1800)
Morcego-de-peluche	*Miniopterus schreibersii* (Kuhl, 1817)
Morcego-lanudo	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Morcego-negro	*Barbastella barbastellus* (Schreber, 1774)
Morcego-rabudo	*Tadarida teniotis* (Rafinesque, 1814)
Morcegos	*CHIROPTERA* Blumenbach, 1779
Morceogo-de-ferradura-mediterrânico	*Rhinolophus euryale* Blasius, 1853

Roman

Barbastel ureglio lada	*Barbastella barbastellus* (Schreber, 1774)
Minopter ad ala lunga	*Miniopterus schreibersii* (Kuhl, 1817)
Moloss Buldoc	*Tadarida teniotis* (Rafinesque, 1814)
Nas fier-chaval grond	*Rhinolophus ferrumequinum* (Schreber, 1774)
Nas fier-chaval pitschen	*Rhinolophus hipposideros* (Bechstein, 1800)
Pipistrel da Kuhl	*Pipistrellus kuhlii* (Kuhl, 1817)
Pipistrel da las alps	*Hypsugo savii* (Bonaparte, 1837)
Pipistrel muschin	*Pipistrellus pygmaeus* (Leach, 1825)
Pipistrel nanin	*Pipistrellus pipistrellus* (Schreber, 1774)
Sgolanotg gigant	*Nyctalus lasiopterus* (Schreber, 1780)
Sgolanotg pitschen	*Nyctalus leisleri* (Kuhl, 1817)
Vespertil cun tscheglias	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Vespertil da Capaccini	*Myotis capaccinii* (Bonaparte, 1837)
Vespertil pitschen dal barbis	*Myotis mystacinus* (Kuhl, 1817)

Romanian

Liliac-cârn	*Barbastella barbastellus* (Schreber, 1774)
Liliac-cu-aripi-lungi	*Miniopterus schreibersii* (Kuhl, 1817)
Liliac-cu-gene-lungi	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Liliac-cu-mustãþi	*Myotis mystacinus* (Kuhl, 1817)
Liliac-cu-picioare-lungi	*Myotis capaccinii* (Bonaparte, 1837)
Liliac-mare-cupotcoavã	*Rhinolophus ferrumequinum* (Schreber, 1774)
Liliac-mic-cupotcoavã	*Rhinolophus hipposideros* (Bechstein, 1800)
Liliac-mic-de-amurg	*Nyctalus leisleri* (Kuhl, 1817)
Liliac-pitic	*Pipistrellus pipistrellus* (Schreber, 1774)
Liliac-românesc	*Rhinolophus mehelyi* Matschie, 1901
Liliac-sudic	*Rhinolophus euryale* Blasius, 1853
Liliacul cu dungã albã	*Pipistrellus kuhlii* (Kuhl, 1817)
Liliacul mare de amurg	*Nyctalus lasiopterus* (Schreber, 1780)
Liliacul-lui-Blasius	*Rhinolophus blasii* Peters, 1867
Lilieci cu pliuri nazale	*RHINOLOPHIDAE* Gray, 1825
Lilieci cu tragus	*VESPERTILIONIDAE* Gray, 1821

Russian

(Bolshoj podkovonos)	*Rhinolophus ferrumequinum* (Schreber, 1774)
(Evropejskaya shirokoushka)	*Barbastella barbastellus* (Schreber, 1774)
(Gigantskaya vechernicha)	*Nyctalus lasiopterus* (Schreber, 1780)
(Mapaya vechernicha)	*Nyctalus leisleri* (Kuhl, 1817)
(Netopyr karlik)	*Pipistrellus pipistrellus* (Schreber, 1774)
(Obyknovennyj dlinnokryl)	*Miniopterus schreibersii* (Kuhl, 1817)
(Yuzhnyj podkovonos)	*Rhinolophus euryale* Blasius, 1853
Гладконосые	*VESPERTILIONIDAE* Gray, 1821
Азиатская широкоушка [= Aeiatskaya shirokouchka];	*Barbastella leucomelas* (Cretzschmar, 1826)
Большой подковонос	*Rhinolophus ferrumequinum* (Schreber, 1774)
Бульдоговые	*MOLOSSIDAE* Gervais, 1856
Гигантская вечерница	*Nyctalus lasiopterus* (Schreber, 1780)
Длиннокрыловые	*MINIOPTERIDAE* Dobson, 1875
Европейская широкоушка	*Barbastella barbastellus* (Schreber, 1774)
Кожановидный нетопырь	*Hypsugo savii* (Bonaparte, 1837)
Крылановые	*PTEROPODIDAE* Gray, 1821
Лжевампиры	*MEGADERMATIDAE* H. Allen, 1864
Листоносы	*HIPPOSIDERIDAE* Lydekker, 1891
Ложные подковоносы	*HIPPOSIDERIDAE* Lydekker, 1891
Малая вечерница	*Nyctalus leisleri* (Kuhl, 1817)
Малый подковонос (Malyj podkovonos)	*Rhinolophus hipposideros* (Bechstein, 1800)
Гладконосые	*Pipistrellus pygmaeus* (Leach, 1825)
Нетопырь Куля	*Pipistrellus kuhlii* (Kuhl, 1817)
Нетопырь-карлик	*Pipistrellus pipistrellus* (Schreber, 1774)
Обыкновенный длиннокрыл	*Miniopterus schreibersii* (Kuhl, 1817)
Очковый подковонос	*Rhinolophus mehelyi* Matschie, 1901
Подковогубы	*HIPPOSIDERIDAE* Lydekker, 1891
Подковоносые	*RHINOLOPHIDAE* Gray, 1825
Свободнохвостые	*MOLOSSIDAE* Gervais, 1856
Футлярохвостые	*EMBALLONURIDAE* Gervais, 1855
Широкоухий складчатогуб	*Tadarida teniotis* (Rafinesque, 1814)
Южный подковонос	*Rhinolophus euryale* Blasius, 1853
средиземноморский (Sredizemnomorskij netopyr)	*Pipistrellus kuhlii* (Kuhl, 1817)
Tryokhtsvetnaya nochnitsa	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)

SiSwati

Lilulwane	*Miniopterus natalensis* (A. Smith, 1833)
Lilulwane	*Cloeotis percivali* Thomas, 1901
Lilulwane	*Miniopterus fraterculus* Thomas and Schwann, 1906

Slovak

Večernica Leachova	*Pipistrellus pygmaeus* (Leach, 1825)

Slovakian

Netopier brvitý	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Netopier fúzatý	*Myotis mystacinus* (Kuhl, 1817)
Podkovár malý	*Rhinolophus hipposideros* (Bechstein, 1800)
Podkovár vel'ky	*Rhinolophus ferrumequinum* (Schreber, 1774)
Raniak obrovský	*Nyctalus lasiopterus* (Schreber, 1780)
Uchana cierna	*Barbastella barbastellus* (Schreber, 1774)
Vecernica malá	*Pipistrellus pipistrellus* (Schreber, 1774)

Slovenian

belorobi netopir	*Pipistrellus kuhlii* (Kuhl, 1817)
brkati netopir	*Myotis mystacinus* (Kuhl, 1817)
dolgokrili netopir	*Miniopterus schreibersii* (Kuhl, 1817)
dolgonogi netopir	*Myotis capaccinii* (Bonaparte, 1837)
Drobni netopir; Liliacul-pitic mediteranean	*Pipistrellus pygmaeus* (Leach, 1825)
južni podkovnjak	*Rhinolophus euryale* Blasius, 1853
mali netopir	*Pipistrellus pipistrellus* (Schreber, 1774)
veliki podkovnjak	*Rhinolophus ferrumequinum* (Schreber, 1774)

Somalian

Auo-rnèr	*CHIROPTERA* Blumenbach, 1779
Fid Mer	*CHIROPTERA* Blumenbach, 1779
Fidmair	*CHIROPTERA* Blumenbach, 1779
Fidmer	*CHIROPTERA* Blumenbach, 1779
Kibil	*CHIROPTERA* Blumenbach, 1779
Kibille	*CHIROPTERA* Blumenbach, 1779
Kibillei	*CHIROPTERA* Blumenbach, 1779
Sod silli (see Lanza *et al.*, 2015: 13)	*CHIROPTERA* Blumenbach, 1779
Sodan silli	*CHIROPTERA* Blumenbach, 1779

Spanish (Castillian)

Barbastela	*Barbastella barbastellus* (Schreber, 1774)
Cabeza Martillo	*Hypsignathus monstrosus* H. Allen, 1862
Murciélago	*Neoromicia tenuipinnis* (Peters, 1872)
Murciélago Amarillo	*Scotophilus nigrita* (Schreber, 1774)
Murciélago bigotudo	*Myotis mystacinus* (Kuhl, 1817)
Murciélago común	*Pipistrellus pipistrellus* (Schreber, 1774)
Murcielago Dalmata De Herradura	*Rhinolophus blasii* Peters, 1867
Murciélago de Ala Larga	*Miniopterus inflatus* Thomas, 1903
Murciélago de borde claro	*Pipistrellus kuhlii* (Kuhl, 1817)
Murciélago de bosque	*Barbastella barbastellus* (Schreber, 1774)
Murciélago de cabeza Plana	*Mimetillus moloneyi* (Thomas, 1891)
Murciélago de Cabrera	*Pipistrellus pygmaeus* (Leach, 1825)
Murciélago de Cara Hueca	*Nycteris arge* Thomas, 1903
Murciélago de cueva	*Miniopterus schreibersii* (Kuhl, 1817)
Murciélago de Geoffroy	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Murciélago de Herradura	*Rhinolophus landeri* Martin, 1838
Murciélago de Herradura	*Rhinolophus alcyone* Temminck, 1853
Murciélago de herradura mediterráneo	*Rhinolophus euryale* Blasius, 1853
Murciélago de Lengua Larga	*Megaloglossus woermanni* Pagenstecher, 1885
Murciélago de Madeira	*Pipistrellus maderensis* (Dobson, 1878)
Murciélago de montaña	*Hypsugo savii* (Bonaparte, 1837)
Murciélago de Nariz de Hoja	*Hipposideros beatus* (K. Andersen, 1906)
Murciélago de Orejas de Ratón	*Myotis bocagii* (Peters, 1870)
Murciélago Enano	*Micropteropus pusillus* (Peters, 1868)
Murciélago enano	*Pipistrellus pipistrellus* (Schreber, 1774)
Murciélago grande de herradura	*Rhinolophus ferrumequinum* (Schreber, 1774)
Murciélago Guanero	*Mops (Xiphonycteris) brachypterus* (Peters, 1852)
Murciélago Mariposa	*Glauconycteris beatrix* Thomas, 1901

Murciélago mediano de herradura	*Rhinolophus mehelyi* Matschie, 1901
Murciélago medtierráneo de herradura	*Rhinolophus euryale* Blasius, 1853
Murciélago montañero	*Hypsugo savii* (Bonaparte, 1837)
Murciélago nocturno	*Nyctalus leisleri* (Kuhl, 1817)
Murciélago orejirroto	*Myotis emarginatus* (E. Geoffroy St.-Hilaire, 1806)
Murciélago orejudo canario	*Plecotus teneriffae* Barrett-Hamilton, 1907
Murciélago patudo	*Myotis capaccinii* (Bonaparte, 1837)
Murciélago pequeño de herradura	*Rhinolophus hipposideros* (Bechstein, 1800)
Murciélago pigmeo	*Pipistrellus pygmaeus* (Leach, 1825)
Murciélago rabudo	*Tadarida teniotis* (Rafinesque, 1814)
Murciélago Ratonero Patudo	*Myotis capaccinii* (Bonaparte, 1837)
Murcielagos	*CHIROPTERA* Blumenbach, 1779
Murcielagos chicos	*VESPERTILIONIDAE* Gray, 1821
Murcielagos cola de raton o de cola libre	*MOLOSSIDAE* Gervais, 1856
Murciélagos de cola envainada	*EMBALLONURIDAE* Gervais, 1855
Murciélagos de cola envainada	*VESPERTILIONIDAE* Gray, 1821
Murrcielago de cueva magrebí	*Miniopterus maghrebensis* Puechmaille, Allegrini, Benda, Bilgin, Ibañez and Juste, 2014
Noctulo de Leisler	*Nyctalus leisleri* (Kuhl, 1817)
Nóctulo gigante	*Nyctalus lasiopterus* (Schreber, 1780)
Nóctulo Grande	*Nyctalus lasiopterus* (Schreber, 1780)
Nóctulo menor	*Nyctalus leisleri* (Kuhl, 1817)
Nóctulo pequeño	*Nyctalus leisleri* (Kuhl, 1817)
Pipistrelo	*Pipistrellus nanulus* Thomas, 1904
Pipistrelo	*Hypsugo crassulus* (Thomas, 1904)
Pipistrelo Enano; Yao:: Liputiputi (applied to all small bats)	*Neoromicia nana* (Peters, 1852)
Rinolofo de Blasius	*Rhinolophus blasii* Peters, 1867
Rinolofo egipcio	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818
Rinolofo grande de herradura	*Rhinolophus ferrumequinum* (Schreber, 1774)
Rinolofo mediano de herradura	*Rhinolophus mehelyi* Matschie, 1901
Rinolofo mediterraneao de herradura	*Rhinolophus euryale* Blasius, 1853
Rinolofo pequeño de herradura	*Rhinolophus hipposideros* (Bechstein, 1800)
Ruseta de Angola	*Myonycteris angolensis* (Bocage, 1898)
Ruseta Egipicia	*Rousettus aegyptiacus* (E. Geoffroy St.-Hilaire, 1810)
Spa:: Murciélago de las Tumbas	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818
Zorra Voladora	*Epomophorus wahlbergi* (Sundevall, 1846)
Zorra Voladora Amarilla	*Eidolon helvum* (Kerr, 1792)
Zorra Voladora de Collar	*Myonycteris torquata* (Dobson, 1878)
Zorra Voladora de Zenker	*Scotonycteris zenkeri* Matschie, 1894
Zorro volador de Aldabra	*Pteropus aldabrensis* True, 1893
Zorro volador de la isla Rodrigues	*Pteropus rodricensis* Dobson, 1878
Zorro volador de las Seychelles	*Pteropus seychellensis* A. Milne-Edwards, 1877
Zorro Volador De Livingston	*Pteropus livingstonii* Gray, 1866
Zorro volador de Madagascar	*Pteropus rufus* E. Geoffroy St.-Hilaire, 1803
Zorro volador de Voeltzkow	*Pteropus voeltzkowi* Matschie, 1909
Zorro volador negro de Mauricio	*Pteropus niger* (Kerr, 1792)
Zorro volador oscuro de Mauricio	*Pteropus subniger* (Kerr, 1792)

Swahili

Popo	*Taphozous mauritianus* E. Geoffroy St.-Hilaire, 1818

Swedish

Barbastell	*Barbastella barbastellus* (Schreber, 1774)
Dvärgfladdermus;	*Pipistrellus pygmaeus* (Leach, 1825)
Kuhls fladdermus	*Pipistrellus kuhlii* (Kuhl, 1817)
Leislers fladdermus	*Nyctalus leisleri* (Kuhl, 1817)
Mustaschfladdermus	*Myotis mystacinus* (Kuhl, 1817)
Pipistrell	*Pipistrellus pipistrellus* (Schreber, 1774)

Tanoboase (Ghana)

afrifraa	*MOLOSSIDAE* Gervais, 1856
ahwenekron	*Hypsignathus monstrosus* H. Allen, 1862
ampane (singular)	*CHIROPTERA* Blumenbach, 1779
ampane ankasa	*Eidolon helvum* (Kerr, 1792)
ampane kronfo [="thief or criminal bat"] (see Ohemeng *et al.*, 2017: 184)	*Epomophorus gambianus* (Ogilby, 1835)
frede frede	*MOLOSSIDAE* Gervais, 1856
mmpane (plural) (see Ohemeng *et al.*, 2017: 184)	*CHIROPTERA* Blumenbach, 1779
sreso ampane [="original or normal bat']	*Epomophorus gambianus* (Ogilby, 1835)

Twi (Ghana)

apan (singular)	*CHIROPTERA* Blumenbach, 1779
mmpan (plural)	*CHIROPTERA* Blumenbach, 1779

Ukrainian

Нічниця вусата	*Myotis mystacinus* (Kuhl, 1817)
Широковух європейський	*Barbastella barbastellus* (Schreber, 1774)

Vai (Liberia)

Tuña	*Hypsignathus monstrosus* H. Allen, 1862

Vietnamese

Họ dơi bao	*EMBALLONURIDAE* Gervais, 1855
Họ dơi cánh	*MINIOPTERIDAE* Dobson, 1875
Họ dơi quạ	*PTEROPODIDAE* Gray, 1821
Họ dơi lá	*RHINOLOPHIDAE* Gray, 1825
Họ dơi ma	*MEGADERMATIDAE* H. Allen, 1864
Họ dơi muỗi	*VESPERTILIONIDAE* Gray, 1821
Họ dơi mũi	*HIPPOSIDERIDAE* Lydekker, 1891
Họ dơi thò đuôi	*MOLOSSIDAE* Gervais, 1856

Yao

Lichinji (applied to all large bats)	*Epomophorus minor* Dobson, 1880
Lichinji (applied to all largish bats)	*Rhinolophus hildebrandtii* Peters, 1878
Liputiputi (applied to all small bats)	*Nycteris thebaica* E. Geoffroy St.-Hilaire, 1818

Appendix 3g: Original Descriptions

[Epomophorus (]Nanonycteris[)] Matschie, 1899

p. 58

Subgen. *Nanonycteris* Mtsch, subgen. nov,

Die Entfernung zwischen dem vorderen Augenwinkel und der Nasenspitze ist viel grösser als die Breite des Gesichtes an den Mundwinkeln. Auf dem Gaumen stehen parallele querfalten. Die Lippe ist nicht gefurcht. Der Schwanz ist noch kürzer als bei *Micropteropus*. Auf dem Plagiopatagium durchschneiden weniger als 32 Fascien dem vom Ellenbogen zur Spitze des fünften Fingers verlaufenden Strang. Die Reihe der Molaren ist nur so lang wie die Entfernung zwischen den Spitzen der oberen Caninen; der letzte obere Molar reicht nur bis zur Höhe des Vorderrandes des Foramen infraorbitale. Der knöcherne Gaumen ist wie bei *Epomops* gebildet. Der Unterarm ist kürzer als 60 mm.

Typus: *Ep. veldkampi* Jent.
Hab. Ober- und Mittel-Guinea.

[Epomophorus macrocephalus] var. angolensis Gray, 1870

p. 125

Pale brown; head with a dark streak from the nostrils to the front of the lower edge of the eye, and a second rather above and parallel with the upper lip; chest and beneath whitish; epaulette pale brown; forearm 3 $^{1}/_{4}$ inches. Female. B. M.

Hab. Angola, *Montiero* (in spirit).

[Epomophorus macrocephalus] var. unicolor Gray, 1870

p. 125

Brown above and below; epaulet white, rather small. B. M.

Hab. Banks of the Zambesi at Shupanga. Eating figs. *Kirk*.

[Nyctinomus (Nyctinomus) pumilus] Var. Major Trouessart, 1897

p. 146

[Nyctinomus (Nyctinomus) pumilus] Var. *major*, Dobs., l.c., p. 428 (vel nov.sp.).

Nilus super

[Pipistrellus Kühli] latastei Laurent, 1937

p. 157

Forme saharienne blanchâtre, non séparée de *P. Kühli* par LATASTE, qui le rapprochait de la sous espèce italienne *P. K. albolimbatus* KUSTER, laquelle est d'ailleurs absolutement identique au type (Ca.) (2); serait la Chauve-Souris la plus commune au Sahara (LAVAUDEN), très commune dans la Tunisie méridionale et à Djerba (Bl.)... *Pipistrellus Kühli albolimbatus* LAVAUDEN non KUSTER.

Footnote (2).

Selon Ca., il serait nécessaire de donner à cette forme un autre nom, et je proposerais *Latastei* en l'honneur du savant naturaliste qui fut le premier à en observer les principaux caractères.

[Rhinolophus hipposideros] escaleræ K. Andersen, 1918

Female. B.M. no. 10.11.24.1. Ha-ha, Mogador, Morocco. Collected by M. de la Escalera. Presented by Oldfield Thomas.

Characters based on the *Rh. hipposideros* subspecies key on p. 377

Infraorbital bridge nearly always much broadened.

p_3 nearly always absent. Size as *minimus*. Forearm of type 37 mm. Skull length to front of canine 15.3, condyle to canine 15.3, condyle to canine 13.6, c-m^3 5.5. (Morocco).

[Vesperugo (Vesperus) serotinus] Var. Gabonensis Trouessart, 1897

p. 108

[Vesperugo (Vesperus) serotinus] Var. *gabonensis*, Dobson, Catal., 1878. p. 192

Africa Occid., Gabon.

[Xantharpyia (]Myonycteris[)] Matschie, 1899

p. 63

Subgen. *Myonycteris* Mtsch, subgen. nov.

Der erste untere Molar ist kürzer als der zweite und der letzte untere Molar zusammengenommen. Der letzte obere Molar ist ungefähr $^2/_3$ so lang wie der vorletzte obere Molar. Der erste obere Praemolar ist kaum grösser als ein oberer Incisivus. Der erste untere Praemolar ist sehr klein, nur etwas grösser als ein unterer Schneidezahn. Auf dem

p. 64

Gaumen stehen hinter drei ungetheilten Querfalten vier getheilte Querfalten, und zwei gezähnelte Linien bilten den Abschluss des Gaumens nach hinten. Der Fuss mit den Krallen ist höchstens so lang wie das Ohr. Auf dem Plagiopatagium durchschneiden hochstens 16 Facien den vom Ellenbogen zur Spitze des fünften Fingers verlaufenden Strang.

Typus: *Cynonycteris torquata* Dobson.

Hab. Pungo Andongo, Cahata, Quibula, sämmtlich in Angola (Bocage). Angola (Wellwich nach Gray), Bismarckburg in Togo (B.M.); Liberia (Jentink); Bukoba am Victoria-Nyansa (B.M.).

Allomops J.A. Allen, 1917

p. 470

Text Figs. 12-15.

Type, *Chærephon (Allomops) osborni* sp. nov.

Supraoccipital border of skull enormously developed in old males, the lambdoid crest high and broad, expanded upward and backward into an oblique overhang, equal in height to about one half the interorbital breadth of the skull, or considerably exceeding the width of the foramen magnum, the upper border nearly straight, equal in length; to about one half the width of the braincase, with an extension downward from the lateral upper corner on either side to the mastoid process; less developed but strongly indicated in females and young males; sagittal crest weakly developed in the smaller species of the group, very heavily so in tho larger forms.

General form of the skull as in *Nyctinomus*, the braincase broad and flattened, preorbital furrow or depression conspicuous, but preorbital processes absent; premaxillæ usually fully ossified on front border, but sometimes emarginate.

Dental formula: i $^{1\text{-}1}/_{2\text{-}2}$, c $^{1\text{-}1}/_{1\text{-}1}$, p $^{2\text{-}2}/_{2\text{-}2}$ (or $^{1\text{-}1}/_{2\text{-}2}$), p^2 being deciduous or wholly absent in some species), m $^{3\text{-}3}/_{3\text{-}3}$ = 30 (or 28). Upper incisors small, about one third the length of the canines, parallel, widely separated from each other and the canines;

p. 471

lower incisors very, small, bilobed, the outer smaller than the middle ones, postero-external to them in position, often one or both outer lower incisors deciduous. Upper canines very long, slender and sharp-pointed, with a broad, shallow longitudinal groove on the front face, and a narrow postero-internal cingulum; lower canines correspondingly slender, with a broad postero-internal cingulum. First upper premolar (p^2) minute, in the toothrow (usually) or external to the base of the canine, sometimes deciduous; p^4 about half the size of m^1, larger than m^3. First lower premolar (p_2) larger than p_4 in males, smaller than p_4 in females, the sexual difference in the size of p_2 well marked in all the (four) known species. Upper molars with m^3 small, about one third the size of m^2. Molar-premolar series in both jaws heavy, low and broad, with, very broad mandibular rami.

Males larger than the females, the sexual difference in size especially evident in the skulls, where it is emphasized by the much larger size of p_2 in the males than in the females relatively to the size of p_4. Ears of medium size, thick and heavy, united at the

base by a broad membrane, which extends forward as a conspicuous protuberance in front of the ears. Tail relatively short, about two fifths of the length of head and body, rather more than the apical half free. Sides of back naked, the nakes space continuous with the naked hind limbs and naked hinder portion of the body, which is bare of fur on both surfaces posterior to a line joining the hips. From the region of the hips arises a fringe of scattered blackish bristles, directed backward and reaching to or beyond the middle of the uropatagium, the number of these bristly hairs varying, even in different individuals of the same species, from a few to a fairly conspicuous fringe. Pelage of the upperparts exceptionally short, soft and velvety; on the underparts longer and more dense. Color pattern distinctive, - very dark

p. 472

above and along the sides of the body below, without white at the base of the patagium. Wing membranes blackish, thick and leathery.

The present group, whether considered as of generic or as only of subgeneric value, is a natural group, much more sharply defined from all others than is *Chærephon* from *Nyctinomus*, although these two groups have been long currently given recognition as genera. In the present connection it is given subgeneric rank. The four known species are here described as new, although one of them; may be the same as *Nyctinomus thersites* of Thomas, which apparently belongs to the *Allomops* group. They are small to medium sized species, one of them, *Allomops nanulus*, being the smallest known African molossid.

In working out this group, in connection with other African molossid material, I have been impressed with the small value of the character most commonly considered as an important index to the relation of species referred to *Nyctinomus* and *Chærephon*, namely, the emargination or non-emargination of the front border of the premaxillæ. In one instance in the study of a series of 23 specimens collected the same day at the same locality, and evidently beyond question conspecific, I took up the skulls first, with skulls of other species, to determine their generic affinities. Later on collating the skulls (marked only with their catalogue numbers) with the skins to which they belonged, I found I had referred part to *Nyctinomus* and part to *Chærephon*! Further study of the same series showed that in this case at least emargination and non-emargination of the front border of the premaxillæ was largely dependent on the age of the specimen, the vacuity behind the incisors becoming gradually closed by ossification with the increased age of the specimen.

In one of the species here referred to *Allomops*, represented by six adult specimens, two, on the basis of the condition of the premaxillæ, are typically *Nyctinomus* and the other four typically Chærephon. They were otherwise indistinguishable, either on the basis of external and cranial characters or by the age of the specimen. In another species here referred to *Allomops*, represented by seven specimens, all of the skulls had the front palatal border emarginate, but as all of the other characters, both external and cranial, were typical of the *Allomops* group, it seemed proper to give preference to the combined weight of the *Allomops* characters, despite the *Nyctinomus*-like condition of the premaxillæ.

Alobus Peters, 1868

p. 707

Vespertilio (Alobus) Temminckii Rüppell

Von dieser kleinen Art habe ich kürzlich ein Weingeistexemplar erhalten und dabei gefunden, dafs sie sich von allen andern der Gattung *Vesperugo* (mit $^{5}/_{(5)}$ Backzähnen) durch den gänzlichen Mangel eines Spornlappens, durch eine der von *V. dasycneme* ähnliche Ohrklappe, sowie im Schädelbau durch die besondere Kürze und Abplattung des Schnauzentheils auszeichnet, weishalb ich sie als eine besondere Untergattung, *Alobus*, trennen zu müssen glaube, welche ein Mittelglied zwischen *Vesperugo* und *Vespertilio* bildet.

Asellia tridens diluta K. Andersen, 1918

p. 375

Like *A. tridens tridens*, but averaging larger, and colour of fur conspicuously paler.

Forearm 52.2 mm.

Skull: length to foot of canine 18.7; cond.-can. 16.6; c-m^3 7; c-m_3 7.7.

Hab. (of type). El Golea, Algerian Sahara. Other specimens from Biskra.

Type. Female. B.M. no. 12.11.14.2. Original number 42. Collected 16th May, 1912, by Dr. E. Hartert. Presented by Lord Rothschild.

Asellia tridens pallida Laurent, 1937

p. 111

Le genre *Asellia* Gray, n'était jusqu'ici connu en Afrique du Nord que par une seule sous-espèce locale, *A. tridens diluta* Andersen, différente par sa taille plus grande et sa coloration plus pâle du type de l'espèce *A. tridens* Geoffroy; cette forme, dont

Lataste avait déjà observé les caractères distinctifs lorsqu'il en vit à Gafsa, le premier représentant barbaresque, n'avait pas, jusqu'à maintenant, été signalée au delà de Figuig (Foley) et nulle part ailleurs au Maroc.

Or, dans une collection de chauves-souris confiées au Muséum d'Histoire Naturelle par l'Institut scientifique Chérifien, figurait une *Asellia tridens* recueilli en 1930 dans la région de l'Oued Tatta (collecteur, le Chaouch Ahmed), soit dans l'Anti-Atlas à 400 kilomètres environ en ligne droite de Figuig. Mais cet individu diffère suffisamment tant par sa coloration que par quelques détails morphologiques de *A. tridens diluta* Andersen, pour qu'il ne soit pas possible de le rapporter à la sous-espèce du Sahara Algérien; j'ai donc cru pouvoir en faire une forme nouvelle, sans doute à étroite localisation géographique et je la décris ici sous le nom de: *Asellia tridens pallida* subsp. nov.

DESCRIPTION. - *Asellia tridens* de teinte extrêmement pâle, plus pâle encore et plus petite que *A. t. diluta*, et présentant de plus quelques particularités morphologiques.

Ornementation nasale très semblable à celle de *A. t. diluta*; toutefois la légère convexité sagittale que porte en sa partie médiane le fer à cheval apparaît au bord antérieur libre sous l'aspect d'une pointe plus saillante. La concavité semi-lunaire de

p. 112

la base du trident est par coutre moins marquée, les denticules du trident sont moins élevées, en particulier le denticule médian. Le premier repli périnasal s'insère nettement plus en avant (à peu pres 0.5 mm.) sur la lèvre supérieure, tandis que le repli qui le suit extérieurement s'insère au même niveau mais en arrières, au lieu de prendre attache un peu plus bas comme dans la forme algérienne. Enfin il existe extérieurement un 3^{e} repli pérional ou jugal, sous la forme d'une petite languette cutanée à bord libre frangé, d'une longueur de 1.2 à 1.5 mm. de direction oblique d'avant en arrière et de haut en bas, dont l'intérêt réside en ce que cette languette jugale, parfaitement visible chez l'individu marocain, est à peine distincte chez les sujets algériens, sans toutefois manquer complètement: ce qui explique pourquoi elle est omise par la description d'Andersen, que rapporte Cabrera (... herradura; con dos hojuelas accesorias a cada lado), "Mammiferos de Maruccos"... p. 89).

La lèvre supérieure glabre en sa partie moyenne, porte un petit bourrelet médian plus visible chez *A. t. diluta* que dans la forme nouvelle, mais présent chez l'une et l'autre.

Les oreilles de forme tout à fait semblable, sont striées longitudinalement d'une vingtaine (ou au moins d'une douzaine, bien

p. 113

visibles) de sillons transversaux parallèles, profondément marqués et très apparents chez *A. t. diluta*, au contraire à peine marqués et peu visibles chez *A. t. pallida*.

Le reste de la face ne présente aucun caractère particulièrement différent; le corps, les membres et la formule dentaire sont tout à fait comparables à ceux la forme algérienne. Les ailes, naturellement de même disposition, portent un gaufrage, superficiel à peu près identique.

L'insertion de la membrane interfémorale se fait sur le tiers supérieur de l'avant-dernière vertèbre; mais ce caractère n'a pas, comme je l'avais cru tout d'abord, de valeur différentielle, car l'examen de plus nombreux exemplaires algériens m'a montré qu'il était inconstant, de même que le rapport entre la partie libre de la queue et sa longueur totale. Dans l'exemplaire marocain, la longueur de la queue qui est libre en dehors de la membrane interfémorale, atteint, comme le type égyptien, le tiers de la longueur totale, et chez les individus algériens que j'ai examinés, cette même dimension varie de 30 à 42 p. 100,

Enfb. l'aspect extérieur de *A.t. pallida* est trop peu différent de celui du type de l'espèce pour l'examen complet du squelette entraînant la destruction de l'unique échantillon, soit indispensable. Il n'y a pas de raison pour que la forme nouvelle pût présenter un quelconque caractère osseux différentiel.

MENSURATIONS. - Voici les mesures somatiques du type de la description, avec dans la colonne en regard, celles d'un exemplaire de l'espèce: *A. t. diluta* du Sud-Algérien ([1]) ce sujet étant le plus grand que j'aie jusqu'ici mesuré ([a]).

F, M
Tête et corps: 46, 49
Queue: 25, 25
Queue (sa partie libre): 8, 9
Oreille: 16.5, 16.5
Oreille (sa plus grande largeur): 10.5, 13.5

Footnotes:
([a]) Cet exemplaire, don du D^{r} FOLEY, de l'Institut Pasteur d'Alger, capturé le 14 septembre 1936, à Hassi Fohra, Beni-Abbès, Sud-Oranais Saharien et qui a figuré sous le numéro 900 dans ma collection personnelle, fait maintenant partie de celle du Muséum d'Histoire Naturelle à Paris.

([1]) Cette dimension est certainement de toutes la plus sujette à caution: elle peut varier selon les observateurs et à divers stades de la conservation d'un même sujet; aussi je me demande quelle valeur peut-on attribuer pour la classification systématique à ce caractère, lorsqu'il ne s'agit quo d'une variation de quelques millimètres, alors que toutes les autres dimensions concordent.

p. 114

F, M
Largeur du fer à cheval ([2]): 6.7, 7.6
- de la bouche ([3]): 7.1, 7.1
Avant-bras: 51, 51
III^{e} doigt métacarpien ([4]): 38, 37

- - 1re phalange: 12.5 - 13, 15 - 17
- - 2e phalange: 15.5 - 16.0, 17

IVe doigt métacarpien: 36, 35 - 37
- - 1re phalange: 12, 11.5 - 12
- - 2e phalange: 8, 8

Ve doigt métacarpien: 28.5 - 29, 28.5 - 31
- - 1re phalange: 13.5 - 14.5, 13.5
- - 2e phalange: 9.5, 10

Tibia: 18.5 - 19, 20 - 20.5
Pied (sans les ongles): 8, 8.5
Poids à sec: 8 gr. 5, 9 gr. 55

COLORATION. - Animal beaucoup plus pâle que *A. t. diluta* et même presque complètement blanc, les parties nues étant elles-mêmes de teinte beaucoup plus claire. Le poil est partout d'un blanc par à sa hase, aussi bien sur le ventre que sur le dos, mais la pointe en est lavée d'une nuance bistre très clair sur les côtés du thorax, dans les aisselles, sur les épaules, et en quelques points symétriques du dos, des lombes et de la nuque. La face supérieure du crâne, les joues, le cou, la gorge, les cuisses et toutes les parties inférieures sont entièrement blanches; ce blanc étani beaucoup plus pur et plus soutenu que chez *A. t. diluta*, où il est plutôt terne et un peu jaunâtre. Le pelage couvre les joues, mais ne cache pas les yeux dont les paupières sont nues, et laisse nue la face autour et au-dessous de l'ornementation nasale, ainsi que le menton.

La lèvre supérieure, nue au milieu, porte de chaque côté une brosse de poils argentés plus régulièrement croissante extérieurement et plus fournie que chez les sujets algériens. Le bord interne de la face antérieure du pavillon porte de même une rangée de poils plus longs et d'un blanc beaucoup plus vif; par contre, les longs poils tactiles de la face présentent exactement même longueur et même disposition. Les organes génitaux sont nus dans les deux formes, mais celle du Maroc ne présente ni organes érectiles saillants

Footnotes:
([2]) D'un bord à l'autre de la convexité, laissant en dehors les replis périnasaux.
([3]) Mesuré sous le menton, d'une commissure à l'autre.
([4]) Lorsque deux chiffres sont donnés, l'un plus grand que l'autre, c'est que le segment de membre de l'un des deux côtés du corps n'a pas la même dimension que son homologue de l'autre côté: ce cas est très fréquent.

p. 115

ni mamelles apparentes (une paire abdominale, et une paire pectorale) ce qui me fait penser qu'il s'agit d'une femelle adulte mais jeune.

Les oreilles sont de teinte paille terne, les membranes alaires et interfémorales, sépia clair et non brun noirâtre comme chez *A. t. diluta*.

DIAGNOSE. - Cette forme se distingue de suite du type de l'espèce par sa teinte presque blanche, qui peut la distinguer aussi de la sous-espèce algérienne déjà claire. Du point de vue coloration, cette dernière forme est intermédiaire entre la Marocaine et l'Egyptienne typique. Les petits détails différentiels qui ont été énumérés au cours de la description, caractérisent bien *A. t. pallida*, mais leur observation nécessite l'examen comparatif des deux formes côte à côte. Je n'ai pu conserver comme caractère différentiel indubitable l'insertion de la membrane interfémorale sur l'une ou l'autre des dernières vertèbres caudales, ce caractère, qui m'avait paru constant, n'ayant pas résisté à l'examen d'un nombre plus important d'exemplaires. Je crois donc que la coloration du poil, blanche à la base partout, est e principal caractère différentiel entre les deux formes, avec, naturellement la teinte d'ensemble beaucoup plus claire. On peut ensuite accorder quelque valeur au développement plus ou moins net du 3e repli périnasal, à la bordure frangée ou non du 1er repli, à l'importance de la striation de l'oreille, etc...

Jusqu'à un certain point, la sous-espèce marocaine pourrait se rapprocher de la toute petite *Asellia patrizii* de Beaux, car son avant-bras est plutôt plus grand que la dimension métacarpien + 1re phalange du 3e doigt, caractère qui sert à De Beaux pour isoler cette forme naine de Dancalie, de toutes les *Asellia tridens* Arabes et Égyptiennes, où cette dimension dépasse de 1 à 3 millimètres celle de l'avant-bras; ce qui est aussi le cas dans toutes les *A. t. diluta* que j'ai jusqu'ici examinées (le dépassement va même jusqu'à 5 ou 6 millimètres). Mais *A. patrizii* si éloignée de par sa localisation géographique, se différencie suffisamment par ailleurs pour qu'on ne puisse accorder à ce caractère qu'une simple valeur de convergence.

Il me semble raisonnable de penser que c'est de *A. t. diluta* que la nouvelle forme se rapproche le plus, mais je n'ai actuellement pas la possibilité d'établir de comparaison avec les autres sous-espèces de *A. tridens* ce qui ne manquerait pas d'un vif intérêt.

p. 116

DISTRIBUTION GEOGRAPHIQUE. - Le Maroc montagneux et méridional est suffisamment inexploré et mal connu du point de vue scientifique, pour qu'on puisse espérer retrouver cette forme ailleur, que dans le Bled Tatta d'où elle provient; notons toutefois qu'*Asellia tridens diluta* parvient jusqu'à Figuig et Beni Abbès (d'où viennent tous les individus que j'ai examinés grâce à la complaisance du Dr Foley), à peu près situées sous la même longitude et que Heim de Balsac la signale en divers points du Sahara; elle est évidemment beaucoup plus répandue qu'*Asellia tridens pallida*, que je ne crois pas être autre chose qu'une intéressante forme évolutive locale.

Groupe Collectif: *Attalepharca* nov.

Origine du nom: de "attaleph", nom hébreu des chauves-souris dans la Bible (selon Maisonneuve, 1878), et "arca", l'arche. Il laisse sous-entendre un statut transitoire, une instance, le temps d'une réflexion.

Il est pour le principal formé par des espèces myotodontes, jusqu'alors classées dans le genre *Pipistrellus* compte tenu de leurs formules dentaires identiques à celle des pipistrelles. Il comprend aussi une espèce, *flavescens* (SEABRA, 1910), classée parmi les *Eptesicus* pour avoir perdu la P2/, alors que ses structures dentaires indiquent une origine différente, tant de ce dernier genre que de *Nycterikaupius*.

Du point de vue odontologique, les espèces rassemblées dans le Groupe Collectif *Attalepharca* sont proches entre elles, ce qui n'exclut pas certaines particularités dont l'éventuelle importance, spécifique ou générique, reste à définir. La même remarque peut être faite au regard de l'anatomie générale. Dans ces conditions, et avant une révision exhaustive, la proposition d'un Groupe Collectif s'impose pratiquement. Considérer d'emblée ces espèces comme étant congénériques, créer pour elles un taxon commun, serait user d'un faux-semblant qui compliquerait inutilement la taxonomie dans un proche avenir.

La possibilité de les rassembler à titre temporaire en un Groupe Collectif est conforme aux possibilités précisées au Chapitre I, art. 1 (d) du Code International de Nomenclature Zoologique. Notre proposition semble recevable, puisque la présente situation correspond exactement à celle définie par le Code (Edition de 1985, p. 279): "Ensemble d'espèces nominales qui ne peuvent pas être placées avec certitude dans les genres connus".

Pour faciliter les vérifications, la liste commentée des taxons placés dans le Groupe Collectif comportera les immatriculations des spécimens de référence. Ici aussi, la liste est restreinte aux espèces qu'il nous a été donné de soumettre à l'examen; elle n'a donc pas un caractère limitatif.

- Eléments spécifiques du Groupe Collectif *Attalepharca*:

anchietae (SEABRA, 1900). L'espèce présente certains caractères conservateurs: métaconules bien développés sur Ml/ et M2/; maintien d'un paralophe et d'un métalophe sur les mêmes dents; présence d'une très petite P2/ et d'un léger espace entre la canine et P4/.
Références: BMNH 69.1248, 10.2632, 10.2634 - Zambie.

bodenheimeri (HARRISON, 1960). Cette espèce conserve une P2/ résiduelle. On remarque une grande ressemblance de la denture avec celle de *Hypsugo*, constatation n'ayant d'ailleurs pas échappé au descripteur qui précisait: "Its dentition shows that it belongs to the *P. savii* group of which it appears to be a small and very distinct Arabian représentative". Nous la plaçons dans le Groupe Collectif à titre de précaution, mais la possibilité d'un rattachement à *Hypsugo*, après examen complémentaire, ne doit pas être exclue.
Références: BMNH 67.1255 - Ile Socotra.

crassulus (THOMAS, 1915). Cette petite espèce, à crâne relativement large, possède une denture proche de celle de *Hypsugo*. L'examen d'un matériel plus important,

p. 127

portant aussi sur les parties molles de l'animal, est nécessaire avant d'envisager son transfert.
Références: BMNH 63.1174 - Congo.

flavescens (SEABRA, 1900). La denture est très proche de celles de *Hypsugo savii* et de *Pipistrellus mordax*. Le fait que le matériel muséologique est, a priori, restreint ne facilite as les comparaisons souhaitables. Les II/ et C. sup. du seul spécimen examiné en font un néoeptésiforme de statut générique incertain, ce qui nous a amené à le placer en instance dans le Groupe Collectif.
Références: MNHN 1900.536 - Angola.

joffrei (THOMAS, 1915). Cette espèce bien particulière a été décrite comme appartenant au genre *Nyctalus*, puis rapportée ensuite par Tate (1942) au genre *Pipistrellus*. Sa nette myotodontie ne permet pas son maintien dans l'un ou l'autre des deux genres précités. Elle est remarquable par sa C. sup. porteuse d'une cuspide secondaire, sa P2/ résiduelle, ses M1/-M2/ à protofossa largement ouvertes vers l'arrière et sa M3/ très peu réduite. Le crâne est, entre autres particularités, caractérisé par une forte apophyse anté-orbitaire. Sous réserves, le statut générique adéquat pourrait être indépendant.
Références: BMNH 16.3.26.2 - Chin Hills, SW Mackenzie; BMNH 16.3.26.84 - Birmanie.

kitcheneri (THOMAS, 1915). La P2/ est petite, et le contact est établi entre la C. sup. et la P4/. Les molaires supérieures ne présentent pas de paralophe, sauf, parfois, à l'état résiduel, et pas de métalophe; l'importance du métaconule est très variable. La proximité de parenté de cette espèce doit être recherchée avec *macrotis* et *vordermanni*.
Références: BMNH 10.4.5.49, 10.4.5.50, 10.4.5.53, 10.4.5.154 - tous de Bornéo.

macrotis (TEMMINCK, 1835). Primitivement attribuée à *Pipistrellus*, c'est une espèce qui doit trouver place parmi les formes à crâne globuleux susceptibles de constituer une des futures subdivisions du Groupe Collectif. Au Muséum de Leiden, quatre individus, ayant préalablement fait l'objet d'une étude par Koopman, sont regroupés. Ils sont accompagnés de l'annotation suivante: "These four spécimens (cotypes from Sumatra and one other from Bornéo) are *P. macrotis*, not *imbricatus*". Ce sont les spécimens m, n, o et p du Catalogue de Jentink. Compte tenu de son ancienneté, ce matériel est en mauvais état et se prête très mal à une recherche odontologique. Il est difficile de distinguer, sur la seule base de la morphologie crânienne et de la denture, une différence marquée entre *macrotis* et *vordermanni* (souvent appelé *imbricatus*). Il semble toutefois que Ml/ soit un peu plus large sur le premier, et que la même dent tende à devenir subcarrée chez le second (voir ci-après *vordermanni*). Les *macrotis* conservent une P2/ bien cingulée qui ne s'oppose pas au contact entre les canine et P4/. Sur la rangée inférieure la P/4 est petite, et légèrement déplacée vers l'intérieur.
Références: RNH spécimens m, n, o, p du Catalogue de Jentink - Sumatra et Bornéo ; BMNH 23.1.2.12 - Sumatra.

mordax (PETERS, 1866). Sur le plan dentaire, *Pipistrellus mordax* apparaît proche des *Hypsugo*. La P2/, bien cingulée, est relativement forte, son importance est du même ordre que celle observée chez *Hypsugo pulveratus*. Nous avons examiné le spécimen n° 156 de la collection étudiée par Sody (1937), provenant de Tjiboeni, Java. Ses mensurations de l'avant-bras et du crâne correspondent à celles données par Peters pour le type.
Références: RNH n° 156 Coll. Sody - Java; MNHN 1876.356 - Philippines; BMNH 79.11.21.203 - Kumaon, et 16.3.25.5 - Darjeeling. Les deux derniers présentent une morphologie dentaire conforme à celle de mordax, cependant une plus petite taille et des provenances géographiques éloignées de celles du type

p. 128

rendent souhaitable une vérification de leur identité spécifique.

musciculus (THOMAS, 1913). La présence d'une petite P2/ a contribué au maintien de cette espèce dans le genre *Pipistrellus*. Il arrive cependant que cette dent manque. La structure de II/ et une nette myotodontie nous la font placer dans le Groupe Collectif. Sa morphologie dentaire reste très proche de celles des pipistrelles.
Références: MHNG 914.42, 914.43,914.45 - NE Zaïre ; CB 008 - Gabon.

nilssoni (KEYSERLING et BLASIUS, 1839). La position générique de cette espèce reste à définir. Nous l'avons placée provisoirement dans le Groupe Collectif pour attirer l'attention sur ce cas particulier. La morphologie de II/ l'éloigné autant des Eptesicus que des *Nycterikaupius*; son crâne plat la sépare des espèces à crâne globuleux (*macrotis, vordermanni*); elle est autre que les *Hypsugo* par l'absence permanente de P2/, les structures de la canine supérieure, et le développement du flexus labial de P4/. Nous ne serions pas étonnés que des investigations multiformes mènent à une indépendance générique. Dans ce cas, le nom du taxon qui deviendrait prioritaire serait *Amblyotus* KOLENATI, 1858.
Références: BMNH 25.11.3.4 - Norvège; MHNG 890.42, 975.83, 1492.65, 1492.93 - Suisse, et 986.4 - Autriche.

vordermanni (JENTINK, 1890). La grande proximité entre cette espèce et *macrotis* semble être définitivement établie. Comme le dernier, *vordermanni* devra prendre rang parmi les formes à crâne globuleux dont nous avons fait état précédemment. Un examen comparatif des deux espèces montre que la P4/ de *macrotis* présente un degré de réduction plus accusé que celle de *vordermanni*. Par ailleurs, les molaires supérieures de *vordermanni* possèdent un métalophe qui ferme la protofossa vers l'arrière, ce qui n'est pas le cas pour *macrotis*.
Références: RNH spécimen a O (type) - Billiton, juin 1888; MNHN 1959.221 - Bornéo; BMNH 10.4.6.29, 9.1.5.286, 9.1.5.312, 9.1.5.313, 9.1.5.315 - tous de Java.

C[oleura] g[allarum] nilosa Thomas, 1915

p. 577

Essential characters of the Somali *C. gallarum*, but the colour, instead of being more or less uniformly pale brown, is a darker brown - sepia - on the surface, the bases of the hairs being strongly contrasted white; the long hairs of the name are white for about 3.5 mm., the terminal 2 mm. being sepia. Below, the general colour is rather greyer, but the bases of the hairs are similarly contrasted whitish, the contract showing well in the long hairs of the flanks, which are almost uniformly coloured in true *gallarum*.

Dimension (see table on p. 579).

Hab. Upper Nile. Type-series from near the mouth of the Bahr-el-Zeraf.

Type. Adult male. B.M. no. 15.3.6.76. Original number 77. Collected 3rd February, 1914, by Willoughby P. Lowe. Twelve specimens.

C[oleura] gallarum Thomas, 1915

p. 577

Size decidedly smaller than in *C. afra*, the forearm usually 47 - 48 mm. in length, the skull markedly smaller in all dimensions. General colour above pale brown - rather darker than "wood-brown," - the hairs slightly lighter towards their bases, but not conspicuously or abruptly bicolor. Under surface similar in general tone, but the bases of the hairs not lighter than the tips.

Skull as in *C. afra*, except for its smaller size and smaller teeth. Position and development of the small premolar variable.

Dimensions (see table on p. 579).

Hab. Suakin, Somaliland, and Aden. Type from Zeyla, Somaliland. Sea-level.

Type. Old female, B.M. no. 11.8.2.4. Collected 29th October, 1910, and presented by Dr. R. E. Drake-Brockman. Four skins and six skulls from the type-locality.

Other specimens from Suakin (*Anderson, Holled Smith*), Aden (*Yerbury*), Sheikh, Somaliland (*Drake-Brockman*), Lugh, Somali (*Bottego*).

C[oleura] silhouettæ Thomas, 1915

p. 578

Like *C. seychellensis*, but smaller.

General proportions as in *C. seychellensis*, the wings similarly longer than in the mainland species, the forearm about $3^3/_4$ times as long as the skull measured from the condyle to the front of the canines. Fur rather shorter than in *C. gallarum* and extending less upon the membranes; hairs of back about 3, of nape 4.5 mm. in length. Colour dark brown, rather darker than "bistre," the bases of the hairs scarcely lighter; under surface similar in general tone, but the tips of the hairs are slightly lighter than the bases.

Skull like that of *C. seychellensis*, but smaller throughout. A mesial septal ridge generally present in the basial pit.

Dimensions (see table on p. 579).

Hab. Silhouette Island, Seychelles.

Type. Adult male (skinned from spirit). B.M. no. 6.3.18.2. Collected and presented by Prof. J. Stanley Gardiner. Six specimens.

The Museum contains two authentic specimens, one of them a co-type, of Peters's *C. seychellensis*, besides a third from "Zanzibar." These differ so uniformly from the six examples obtained by Prof. Gardiner on Silhouette Island that it is evident that the Seychelles contain different forms of the genus, no doubt inhabiting different islands. While it is not definitely recorded on which island Dr. Percival Wright obtained the typical examples of *C. seychellensis*, for he mentions in connection with the species Mahé, Praslin, and Silhouette, it is presumably from the first of these islands that he got the specimens, as he says that "it was very common in the neighbourhood of the town of Port Victoria, Mahé"," and it was there that he stayed for most of his time in the Seychelles, merely making casual visits to Praslin and Silhouette.

The example from "Zanzibar" referred to *C. seychellensis* by Dobson appears to me to be rightly so named, but I should think it possible that its asserted locality is erroneous. It was presented by a captain in the Navy, whose station would have included the Seychelles, where the bat may have either been caught or come on board, to be afterwards captured at Zanzibar.

As illustrating the greater length of the wing in the Seychelles species, it will be seen from the table of dimensions that *C. silhouettæ* has a smaller skull than *C. gallarum*, but yet has an absolutely longer forearm.

p. 579

[table removed - eds.]

Casinycteris Thomas, 1910

p. 111

External characters, including even coloration, precisely as in *Scotonycteris*. The ears larger than in *S. zenkeri*. Wings reticulated, said to be orange-coloured in the fresh state.

Skull at once distinguishable from that of *Scotonycteris* by its palate being markedly shortened posteriorly and the bony floor to the long mesopterygoid fossa completely obsolete, so that the palation is practically at the level of the back of the single molar. In *Scotonycteris* there is the usual elongated palate. Palatal edge forming a reversed W (M), the median angle in continuation with a long and high vomerine ridge. Rostrum shorter in proportion than in *Scotonycteris*, bony palate more arched mesially, zygomata more abruptly expanded, postorbital processes and general cranial ridges more strongly developed. Rami of lower jaw thickened and expanded.

Dental formula as in *Scotonycteris*.

Teeth in a general way high, pointed, shorter in section antero-posteriorly, broader transversely than in *Scotonycteris*. Canines very long, curved, flattened. Cheek-teeth, both upper and lower, with the inner cusp well developed and separate, instead of being suppressed or joined to the outer, as in *Scotonycteris*; this is especially noticeable in p_3, the inner cusp being distinct, two-thirds the height of the outer, while in *Scotonycteris* the outer and inner enamel-ridges of the tooth are smoothly continuous with each other.

Type. *Casinycteris argynnis*, sp. n.

This striking bat, which adds another to the long list of new genera discovered by Mr. Bates, is remarkable for possessing a palate quite unlike that of other fruit-eating bats, and more recalling that found in some of the Microchiroptera. The astonishing resemblance of the type species to *Scotonycteris zenkeri* is also noticeable. Probably both bats bear a protective resemblance to the leaves, fresh or dry, of some local tree.

Casinycteris argynnis Thomas, 1910

p. 111

General external appearance - at least in the dried state - precisely as in *Scotonycteris zenkeri*, except that the size is

p. 112

materially larger, and the ears are also larger. Fur soft and fine, the general mass of the hairs about 8 mm. in length on the back, but with other longer hairs, attaining 13 - 14 mm., intermixed with them. Colour above about as in *S. zenkeri*, the hairs brown at base, then greyish white, with pale russet-brown tips. Head with the brown and white markings more strongly defined than in that animal, the ground-colour a little darker, the white patches prominent, present between the eyes, at the posterior angle of the eyes, at the anterior bases of the ears, and along the upper lips. In all other respects, in colour, degree of hairiness, and the marked reticulation of the wings, *C. argynnis* is so like *S. zenkeri* as not to need detailed description.

At least this is the case so far as dried specimens are concerned, but Mr. Bates states that in the fresh state the wings, ears, eyelids, and muzzle were "bright orange colour," and some traces of yellow are still present on such parts of the type as have been protected from light. Possibly the same may be the case with *Scotonycteris*, but we have no evidence on the subject.

Dimensions of the type (the body and ear measurements taken in the flesh): -

Forearm 60 mm.

Head and body 95; ear 20; index finger (c. u.) 44.5; third finger, metacarpus 41, first phalanx 28, second plalanx 36; lower leg and foot (c. u.) 40.

Skull: greatest length 28.3; basal length 25; zygomatic breadth 20; interorbital breadth 5.2; tip to tip of postorbital processes 11.7; brain-case, breadth 13.6; palatal length 10.6; post-palatal length 14.4; front of canine to back of m^1 9.2.

Hab. Bitye, Ja River, S.E. Kameruns. Alt. 2000'.

Type. Adult female. Original number 502. Collected 19th November, 1909, by Mr. G. L. Bates.

Cephalotes teniotis Rafinesque, 1814

p. 12

Cephalotes teniotis. Entièrement gris-brun, oreilles plus longues de la tête , sans oreillons conchiformes et striées intérieurement en travers, une verrue entre les deux incisives .- Obs. Cette nouvelle espèce remarquable se trouve en Sicile: le *Vespertilio cephalotes* de Pallas ou *Pteropus cephalotes* des modernes appartient aussi à ce genre et lui donne son nom , je le nommerrai *Cephalotes pallasi*.

P. 55

CORRECTION.

Page 12. - Je viens de m' apercevoir que Mr. Geoffroy St. Hilaire a établi en 1810, le G.*Cephalotes* avec le *Pteropus palasii* et une autre espèce *C. peronii*; mais nos caractères diffèrent en ce que dans mon *C. teniotis* il n' y a ancune incisive inférieure: s' il compose un G. particulier, il faudra le nommer TADARIDA TENIOTIS.

[the above (p. 55) is also the description of the genus *Tadarida*. This publication is conceived as a letter to Mr. Ch. H. Persoon M.D., Célèbre auteur des Sinopsis plantarum et fungorum in Paris, and was dated 3 June 1814.] - Victor Van Cakenberghe, December 2009.

Chærephon (Lophomops) J.A. Allen, 1917

p. 460

Text Figs. 9-11.

Type *Chærephon (Lophomops) chapini* sp. nov.

Skull and dentition as in the smaller species of *Chærephon*, but outer lower incisors often deciduous, giving an incisive formula of 1-1/1-1 instead of 1-1/2-2.

Ears united in front by a deep membrane, from the back of which arises a heavy crest of long straight hairs, occupying the whole posterior face of the membrane and rising above the tops of the ears as a broad frontal transverse crest, the hairs of which are dark brown for the basal half and lighter brown or (in one of the species, selected the type) white for the apical half. It is apparently a sexual character, but only males have thus far been examined except in the rather aberrant *C. (L.) abæ*. For

p. 461

decorative effect, especially when the crest hairs are parti-colored - rufous at base and pure white for the apical half, as in *C. (L.) chapini* - it vies with the spectacularhead ornamentation occurring in many groups of birds.

The taxonomic value of *Lophomops* may be open to question. The peculiar character of the crest is not only its great size and striking effect, but the fact of its origin being from the whole posterior face of the deep membrane connecting the ears, instead of from the front of the head behind the ears. A number of species of both *Chærephon* and *Nyctinomus* have slightly lengthened tufts of glandular hairs behind the ears arising from the front part of the crown (not from the connecting membrane of the ears), consisting usually of lengthened crinkled hairs, a little longer and coarser than the adjoining fur, and usually of a darker color. These patches of specialized hairs frequently appear to be restricted to males, but in some species are present in both sexes, as is the case with the gular sac. They are, however, inconspicuous in comparison with the crests of the *Lophomops* group. Three species of this group are here designated as the type.

Dysopes limbatus Peters (now regarded as a *Chærephon*) is described by de Winton as having a "long crest of erect hairs behind the connecting membrane of the ears in the males," but he does not say that they arise from its posterior face. Peters does not describe nor does his figure represent any such crest as is seen in *Lophomops*. He simply says: "Die Haare auf dem Kopfe hinter der Vereinigung der Ohren sind länger and steifer als am übrigen Körper." 'The type locality of *Dysopes limbatus* is Mozambique Island, and it is possible that the specimens de Winton had in hand were not the true *limbatus* of Peters, and are perhaps referable to some form of *Lophomops*, *C. limbatus* (Peters) is probably a near relative of *C. hindei* (Thomas).

Chærephon (Lophomops) abæ J.A. Allen, 1917

p. 464

Text Fig. 11.

Type, No. 48887, F ad.; skin and skull. Aba, northeastern Belgian Congo, Dec. 17, 1911; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 1823.

p. 465

Above hair-brown, with a slight grayish sheen; below a narrow median whitish band from breast to anal region, and a narrow white border at base of wing membranes from humerus to femur; rest of underparts like the back but without the grayish sheen; membranes lightish brown above and below. Male with a conspicuous cinnamon-brown, crest, lacking in the female.

Ears thin, dark brown, rising separately from the crown, the intervening space being occupied by an erectile membrane, convex above and about 5 mm. high, from the back of which arises, in the male, a thick muss of brown hairs, about 7 mm, in length and reaching 3 mm. above the crest of the convex membrane (Fig. 11); the basal three fifths of the hairs a darker shade of cinnamon-brown than the apical two fifths; in females (at least in dry skins), the membrane is directed backward, covering the crown) which is naked or covered only with a slight pubescence on the upper border and in front; crown beneath bare (as seen by softening and raising the disk or lappet). The size of the lappet varies in different specimens, being not fully developed in the younger examples.

Skull with the braincase broad and flat, rising only slightly above the rostral portion of the skull. Sagittal crest weakly developed or barely indicated; lambdoid crest moderate, preorbital processes strongly developed; premaxilæ well ossified in old skulls, but in young adults there is often a small U-shaped vacuity behind the incisors.

Collectors' measurements of type: Total length, 103 mm,; head and body, 69; tail, 34; foot, 16; ear, 17. Forearm (from skin), 43.

Collectors' measurements of type and 22 topotypes: Total length, 102 (97-107); head and body, 67.3 (62-73); tail, 33 (29-35); foot, 10.6 (10-11); ear, 18 (17-19).

Forearm, from skin (same specimens), 42 (40-44).

Skull (type), total length, 18.5; condylobasal length, 17.3; zygomatic breadth, 11.2; mastoid breadth, 10.7; interorbital breadth, 3.8; maxillar breadth; 8.1;

p. 466

breadth at base of canines, 5.4; breadth of braincase, 9; depth of braincase at pterygoids, 6,1; length of upper toothrow (c-m^3), 6.7; length of mandible, 12.3; angle to condyle, 3. 5; depth at coronoid, 8.4; length of lower toothrow, 7.6.

Skull, average of 10 specimens, total length, 18 (17.5-18.8); zygomatic breadth, 11.2 (11-11.4); breath of braincase, 9.2 (8.7-9.8).

Represented here by a series of 25 specimens, all collected the same day at Aba. Four additional specimens from Faradje, collected Feb. 25, 1911, are so similar in every respect to the Aba series that they seem preferably referable to the same species. The external measurements are slightly less, but the skulls indicate greater maturity and are as large as those of the Aba series. The coloration, however, is less dark and more buffy. They probably represent a slightly differential local race of the Aba form.

Chærephon (Lophomops) abæ resembles, in size and coloration, *C. major* (Trouessart) and *C. emini* (de Winton) in size, but not in color. As neither of these species, so far as known, is crested in the males, nor possess the conspicuous and (probably) erectile lappet in the females, and ununited ears, they require no special consideration in the present connection. The uniform brown coloration of the membranes, and usually the size, will readily separate abæ from the other known forms of the *Lophomops* group.

Chærephon (Lophomops) chapini J.A. Allen, 1917

p. 461

Text Fig. 9

Type, No. 48841, M ad. (skin and skull; topotype, No. 49209, M ad., alcoholic), Faradje, northeastern Belgian Congo, Nov. 11, 1912 (topotype, Jan. 12, 1913); Herbert Lang and James P.Chapin. American Museum Congo Expedition. Orig. No. 1971.

Head in males conspicuously crested, the crest arising from the posterior face of the deep membrane connecting the ears; breadth of the crest at base, 8.5 mm.; length of crest, 13 mm. in type, 14 in topotype; basal half reddish chestnut, apical

p. 462

half white; breadth of crest across the top when, expanded (Figs, 9, A, B, C) about 20 mm. A bread tuft of soft whitish hairs covers the front of the crown behind the crest. Body above pale cinnamon-brown, the fur being whitish basally; below grayish brown, the middle of the belly whitish; a narrow band of white at proximal edge of wing membranes, between humerus and femur, continuous with a similar band at base of uropatagiuin; wing membranes white, becoming yellowish proximally; the portion adjoining tho body, between humerus and femur, thickly punctated with minute blackish specks; interfemoral membrane dark brown above and below; limb bones dark brown above in strong contrast with the light colored membranes, below light brown like the membranes; tail blackish. No gular pouch.

Collectors' measurements of type: Total length, 84 mm.; head and body, 56; tail, 28; foot, 7; ear, 14.
Additional measurements from the dry skin: Forearm, 34; third metacarpal, 37; ear from crown, 8.5. Tragus minute, quadrate, about 1.5 square; antitragus small, about 5 broad at base and 3 high.

p. 463

Measurements of the alcoholic topotype: Total length, 80; head and body, 48; tail, 32; forearm, 37; third metacarpal, 30; third digit, 72; tibia, 11.8; foot, 7.7; ear from crown, 9.5, from notch behind antitragus, 12.8; expanse of both ears from tip to tip, 27.

Skull (measurements of topotype in parenthesis), total length, 15.5 (16); zygomatic breadth, - (9.5); interorbital breadth, 3.5 (3.5); mastoid breadth, - (9); breadth of braincase, 7.0 (7.7); maxillar breadth, 6.5 (6.8); upper toothrow (c-m^3), 5.4 (5.8); length of mandible, 10 (10.4); angle to condyle, 2.0 (2.0); depth at coronoid, 2.0 (2,0); lower toothrow, 5.9 (6.4). Upper incisors parallel, slightly separated, a wide space between them and the canines; lower incisors, bifid, 1-1 (in both type and topotype), completely filling the space between the canines. First upper premolar minute, in the toothrow, separating the canine and p^4; first lower premolar smaller and much lower crown than the second. Premaxillæ fully ossified; palatal foramina coalesced, forming a small U-shaped vacuity; presphenoid pits deep, slightly longer than wide; preorbital (lacrymal) processes strongly developed; median crest slightly indicated, lambdoid crest moderately strong. In general features the skull is as in other small species of *Chærephon*.

Chærephon (Lophomops) chapini is represented by only the type and a topotype, both old males from Faradje. It evidently has no close relationship to any known species. Its conspicuously heavy and long parti-colored crest distinguishes it at once from the other known species of the *Lophomops* group.

Chærephon (Lophomops) cristatus J.A. Allen, 1917

p. 463

Text Fig. 10, A, B.

Type, No 48844, M ad. (skin and skull), Boma, near mouth of Congo River, Belgian Congo, Jan. 26, 1915; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig, No. 2628.

Head crested, the crest arising from the posterior face of the deep membrane uniting the ears. Crest (Fig. 10, A, B) shorter than in *C. chapini*, the hairs reddish apically, the basal half darker, the transition between the two tones abrupt. Whole top of the head behind the crest naked, but covered by the crest hairs when the crest is laid back. Body above uniform russet, the basal portion of the fur but little lighter than the tips; underparts dark cinnamon-drab, the middle area with light tips to the hairs, in contrast with the sides; an indistinct median whitish band from the pectoral region, posteriorly; a narrow band of soft white fur along the inner edge of the wing membrane from the humerus to the femur and continued across the lower abdomen at base of the uropatugium. Face and gular region naked and blackish, bordered below by a naked flesh-colored band. Wing membranes as in *C. chapini* but whiter, the upper surface in strong contrast with the blackish limb bones; the dorsal side of tho membrane along the sides of the body, between humerus and femur, thickly set with blackish dots, most of which support a minute bristly hair, visible only under a strong lens, and more obvious than in the specimens of *C. chapini*. Interfemoral membrane dark slaty brown above, somewhat lighter below. No gular pouch. Upper lips corrugated.

p. 464

Collectors' measurements of type: Total length, 87 mm.; head and body, 56; tail, 31; foot, 9; ear, 13.
Additional measurements from the dry skin: Forearm, 36; third metacarpal, 35; tibial, 10; foot; 8.7; thumb, 6; ear from crown, 9.2; length of crest hairs, 9.5.

Three male topotypes (Nos. 49216, 49237, 49359) in alcohol: Total length, 84, 83, 80; head and body, 51.5, 53, 48; tail, 32, 31, 32; forearm, 36, 36.2, 36.4; third metacarpal, 30, 34; 35; third digit, 66, 65, 66.5; ear from crown, 9, 8, 8; height from notch behind antitragus, 14, 13, 13.5; extent of both ears from tip to tip, 28, 29, 29; tibia, 11, 11.5, 11; foot, 7, 6.7, 8; length of crest, 9, 8, 9; width at base, about 6,5.

Skull, type (topotype No. 49216, in parenthesis), total length, 16.3 (16); zygomatic breadth, 9.7 (9.8); mastoid breadth, 9 (9.2); interorbital breadth, 3.6 (3.8); maxillar breadth, 7 (7.2); breadth of braincase, 8 (8); depth of skull at pterygoids, 6 (6.3); upper toothrow (c-m^3), 5.5 (5.7); length of mandible, 10 (10.3); angle to condyle, 3 (3.2); depth at coronoid, 2.8 (2.8); lower toothrow, 6 (6.2).

Chærephon (Lophomops) cristatus is represented by the type and three topotypes, all collected at Boma, January 25-29 and June 15, 1915. The type lacks the middle pair and one of the outer lower incisors, which had been shed in life; one of the topotypes has only the middle pair, which occupies the whole space between the canines; the other has the middle pair and a minute outer incisor on the left side, showing that in the *Lophomops* group the lower incisors are doubtless normally 2-2. This species is slightly larger than *C. chapini* and differs from it strikingly in coloration, aside from the difference in the color and length of the crest.

Chaerephon (Lophomops) shortridgei Thomas, 1926

p. 289

M. 1389. Ukualukasi, N.W. Ovamboland. 3400'. 7 Oct., 1924. B.M. No. 25 12.4.24. Type

A remarkable tufted species, alone related to *C.(L.) chapini* Allen, but differently coloured.

General characters as in the smaller species of Charephon, but with a conspicuous bicolor tuft, as in the Bat figured by Allen. Size rather larger than in *chapini*. General colour of upper surface drab, the base of the hairs lighter and their extreme tips also whitish. Line of fur along the sides between humerus and femur brown, and that across the base of the interfemoral drabby brown, in neither case white as in *chapini*. Hairs of aural tuft about 13 mm. in length, their basal halves blackish brown, not reddish chestnut as in *chapini*, their terminal halves whitish. Wings pale brown throughout, quite without the contrasts of black and white and the punctation of the membranes described in *chapini*, which are apparently very much as in *C. hindei*. Under surface pale drabby, the ends of the hairs whitish. Ears apparently as in chapini, their connecting membrane high, with a distinct vertical ridge on the centre of its front surface.

Skull smooth and rounded, as usual in *Chaerephon*. First upper molar with an unusually prominent hypocone. Two lower inscisors only in the single specimen.

Dimensions of the type:-
Forearm 39 mm
Head and body 56 mm.; tail 34; ear 16. Third finger, metacarpal 40, first phalanx 15; second phalanx 18; lower leg and foot 19.5.
Skull: greatest length 16.6 mm.; zygomatic breadth 10; mastoid breadth 9.1; front of canine to back of m3 6.1.

Hab. And Type as above.
This most remarkable tufted Bat is a very intresting and valuable accession to our collections, as we had nothing showing its really wonderful specialization. But I am in considerable doubt as to the taxonomic value of this specialization, striking as it is, for the species described by Dr. Allen as *C. cristatus* and *abae* have it far less marked, while *C. hindei* also has the connecting membrane of the ear tufted behind, the character chiefly relied on by Dr. Allen in forming the subgenus *Lophomops*. The reduction to two of the lower incisors, usual in *Lophomops* according to its describer, does not occur in *C. hindei*, which has four, as in other members of *Chaerephon*.
For the present, however, as an indication of the position of the species I provisionally use Dr. Allen's sub-generic name, while thinking it possible that the character of the aural tuft will merely prove another specific specialization in the plastic genus *Chaerephon*.

I have named this striking species in honour of Capt. Shortridge, to whose energy and enthusiasm the great success of the South West African collecting expeditions has been almost wholly due, and who was greatly struck by its remarkable appearance.

Chærephon frater J.A. Allen, 1917

p. 456

Type, No. 49275, F ad. (alcoholic), Malela (near Boma), southwestern Belgian Congo, July 8, 1915; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 2613.

Similar to *Chærephon hindei* in general coloration but smaller, skull less massive and the dentition weaker, with p^2 much smaller.

Coloration, including the wing membranes, practically the same as in *C. hindei*, so far as can be determined from alcoholic material, except that the proximal border

p. 457

of the wing membranes, between the humerus and femur, is without the white band of fur seen in *hindei*.

Entire body dark brown except a broad, usually well-defined pure white median area from opposite the shoulders to base of tail, covering about one-third of the ventral surface of this part of the body, varying somewhat in extent in different specimens. Wing membranes white above, except proximately from elbow to knee where they are brownish, the tone deepening toward the body; below wholly white. Interfemoral membrane brown both above and below. Ears joined by a deep membrane, fringed above with short stiff hairs about 0.5 to 1 mm, in length, and similarly covered in front and on the central part of its posterior face. Tragus minute, quadrate, about 1 mm. square. Antitragus rounded above, about 2.5 mm. in height and about 3 mm. wide at base. In 18 of the 22 well-preserved alcoholic specimens the front half of the crown behind the membrane joining the ears is naked; in the other four this area is slightly covered with fine fur. The ears are thinner and broader than in *C. hindei*.

External measurements of the type: Total length, 80 mm.; head and body, 50; tail, 30; forearm, 37; third metacarpal, 35.5; thumb to base of the prominent pad, 6; tibia, 10.5; foot, 7,2; ear from crown, 8.7; from the notch behind the antitragus, 12.

Forearm, average of 22 topotypes, 30 (35-37). Forearm in type of *hindei*, 40; in five specimens from near the type locality, 37.6 (37-39.4).

Skull, type (corresponding measurements of type of *hindei* in parenthesis): total length, 15.2 (17.6); zygomatic breadth, 9.4 (11.4); upper toothrow, 5.4 (6.7).

Seven skulls (removed from alcoholic specimens), 1 male and 6 females, measure as follows: Total length, 15.9 (15.4-16.4); condylobasal length (4 skulls), 14.3 (13.8-14.8); zygomatic breadth, 9.5 (9.0-9.9); mastoid breadth, 8.9 (8.7-9.2); breadth of braincase, 8.3 (7.9-8.4); interorbital breadth, 3.4 (3.3-3.6); breadth at base of canines, 4.2 (3.6-4.5); maxillar breadth, 6.8 (6.4-7.8); upper toothrow (c-m^3), 5.4 (5.2-5.6); length of mandible, 10.1 (9.5-10.6); angle to condyle, 2.5 (2.3-2.9); depth at coronoid, 2.6 (2.2-2,9); lower toothrow (c-m_3), 5.9 (5.6-6.1).

Represented by 22 specimens in alcohol, all from Malela, the type locality.

Six skulls of *C. hindei*, two from the type locality (Fort Hall, B. E. Africa) and three from a nearby point (collection of United States National Museum) measure as follows (the corresponding measurements of six skulls of *C. frater* are given in brackets): Total length, 17.5 (17.3-18) [15.9 (15.4-16.4)]; zygomatic breadth, 10.6 (10.5-10.8) [9.5 (9.2-9.9)]; length of mandible, 11.4 (11.2-12) [10.1 (9.5-10.6)]. A single skull from Mombasa (collection of Museum of Comparative Zoology), exactly agrees in measurements with the average of the five from the Fort Hall region.

In general form the skull is a miniature of that of *C. hindei* but disproportionally weaker, especiallly in respect to the mandible and dentition. In four of the seven skulls examined, the premaxillæ are fully ossified, as in typical *Chærephon*; in the others there is a U-shaped vacuity behind the incisors : and the incisors are not united by an osseous border. In this species; as in *C. abæ* and some other species of *Chærephon* of which I have been able to examine a series of skulls, a similar condition exists, the younger specimens often having the premaxillæ imperfectly ossified at the incisive border. In one skull p^2 is in the toothrow on the left side, but on the right

p. 458

side is on the outer edge of the toothrow, as it is on both sides in all of the other five skulls. Usually p^2 separates the canine from p^4, but in two instances p^2 is crowded so far out that the canine and p^4 are in contact. The first lower premolar is about one-third smaller than p_4.

The nearest known form to *C. frater* is *C. hindei* (type locality, Fort Hall, Kenya district, British East Africa), from which frater differs in smaller size, especially in the smaller size of the skull and much weaker dentition. It also differs in color, particularly in having a larger area of white on the middle of the belly and in the absence of white on the proximal border of the wing membranes. As shown above, in a series of six skulls of each form, the extreme measurements do not overlap, the smallest *hindei* skull being considerably larger than the largest *frater* skull. The males of *hindei* have a low broad tuft of dark hair behind the membrane joining the ears, arising from the front part of the crown (not from the back of the frontal membrane, as in *Lophomops*), but in frater this part of the crown is usually bare in both sexes, and hence of course without the frontal tuft found in the males of *hindei*.

C. frater is about the size of *C. limbatus* (Peters) from Mozambique, with which it shares the character of white wing membranes, but *limbatus* evidently (judging from descriptions) belongs to a different section of the genus (*Lophomops*), the males being said to have a "long crest of erect hairs behind the connecting membrane of the ears" (de Winton). The absence of white on the lower parts and the character of p^2 would also exclude *limbatus* from further consideration in this connection.

Chærephon lancasteri Hayman, 1938

p. 383

Type. - B.M. no. 1937.12.8.25. Original number 724. M skin and skull, collected August 1936 at Lunzi River, Lundazi District, Loangwa Valley, N.E. Rhodesia, by D. Gordon Lancaster.

Description. - Closely similar in size to *C. (Lophomops) shortridgei* Thomas, slightly larger than *C. (L.) chapini* Allen. Crest long and bicoloured as in both these forms. Body above greyish drab, the hairs paler at the bases and slightly paled at the tips, thus producing a not very noticeable frosted effect. On the nape the hairs are notably paler throughout. The aural crest, rising from the back of the deep connecting membrane between the ears, is strongly bicoloured. The basal third is dark brown, the remainder pale buff, much as in *shortridgei*. Its length at the centre is 14.9 mm. A triangular patch on the crown, with its apex at the base of the centre of the tuft, is naked, and is entirely covered by the crest when laid flat. On the entire underside every hair is pure white from base to tip, including the narrow band along the edge of the membrane from humerus to groin. The wing-membranes are whitish, in strong contrast with the

p. 384

interfemoral membrane, which is dark greyish brown. The membrane connecting humerus and femur is heavily spotted, as in *C. limbatus* Peters and as described in *chapini*. The skull and teeth present no points of special interest. The skull in size and proportions is close to that of typical *Chærephon pumilus*. P^2 is in the toothrow, and there are four lower incisors, the inner pair slightly bifid.

Comparison. - *Chærephon lancasteri* differs from *chapini* Allen, from Faradje, N.E. Congo (the first member of the genus described with strongly developed crest), in the following respects: - *chapini* is smaller, with a forearm of 34 and 37 for type and topotype, against 39 in *lancasteri*; skull-length of 15.5 and 16, compared with 17 in the Rhodesian form; upper tooth-row 5.4 and 5.8, against 6.2. The body-colour of *chapini* is different, being described as pale cinnamon-brown above, fur whitish basally and below greyish brown, middle of belly whitish. The wing-membranes of *chapini* and *lancasteri* appear to be similar in colour.

C. (L.) cristatus Allen, from Boma, mouth of the Congo, has a short crest (9 mm.), is russet above, dark cinnamon-brown below, and has a forearm of 36.

C. (L.) abæ Allen, from Aba, N.E. Congo, has a short crest, an entirely different type of inter-aural membrane, is much larger (forearm 43), and is dark brown above and below.

C. (L.) shortridgei Thomas, from Ovamboland, S.W. Africa, is about the same size as *lancasteri*, but apart from the crest is quite distinct in colour. The dorsal surface is greyish drab rather heavily frosted by the pale hair-tips. There is a marked contrasting band of chestnut along the flanks above, between humerus and femur. Below it is pale drabby, with a pinkish tinge, only the tips of the hairs being a dirty whitish. All the membranes are of a uniform greyish hue without contrast.

C. (L.) nigri Hatt, from Bourem, Cercle de Timbouctoo, French West Africa, has a short crest (5-5 mm.), is smaller (forearm 36 mm.), has brown membranes, and is grey above and below.

C. (L.) langi Roberts, from N. Bechuanaland, in size is close to *chapini, shortridgei*, and the new form, having a forearm of 37.5 and upper tooth-row 6.1 mm. The

p. 385

colour above is dusky drab, below lighter, but only white along lower part of abdomen and along border of membrane below between humerus and femur. It has a unicoloured short crest.

Measurements of *lancasteri* (type). - Head and body 52 mm. ; tail 34.8 ; hind foot 6.3 ; ear 15 mm. height from meatus, width 12.5, connecting membrane between ears 6 mm. high; length of crest 14.9; forearm 39; third metacarpal 38.8, first phalanx 15.7, second phalanx 15.7; fourth metacarpal 37, first phalanx 12.5, second phalanx 8.5. Skull: total length 17; condylo-basal length 16.7; mastoid breadth 9.3; zygomatic breadth 9.7; breadth at m^3 7.4; upper tooth-row 6.2; greatest depth of skull 7.2.

Notes. - Allen's subgenus *Lophomops*, for *chapini, cristatus*, and *abæ*, was based on two characters: (1) the long aural crest arising from the back of the connecting membrane between the ears; (2) the reduction of the lower incisors to two. Dealing with the latter character first, it is only necessary to point out that Allen, on p. 464, in discussing *cristatus*, states that in the type and topotypes certain of the incisors had obviously been shed in life, and continues, "in the *Lophomops* group the lower incisors are doubtless normally 2-2." Allen does not mention the incisors of his third species of *Lophomops, abæ*. In *shortridgei* there are only two lower incisors, but they are obviously one inner and one outer. In other species of *Chærephon* some of the lower incisors are often found to have been shed.

The second character used (with some diffidence, it is true) by Allen for *Lophomops*, the erectile crest between the ears, has already been thoroughly dealt with in detail by Braestrup (1933). This author has shown that a crest, of greater or lesser length, may be developed at times of sexual activity by males of any species of *Chærephon*, and points out that Allen's subgenus must be given up, a course hinted at by Thomas in discussing *shortridgei*. While agreeing with Braestrup that the crest alone, being restricted to males at certain seasons, is itself not diagnostic in distinguishing forms, I think that when strongly developed crests such as are found in *chapini, shortridgei*, and *lancasteri* are associated with other differences in size and colour, these forms should be distinguished. Probably

p. 386

it will be found,, when further collecting has shed more light on the distribution of these long-crested forms, that they may be linked as races of *chapini*. Until then, in view of the present wide gaps in their known distribution, it seems best to treat them as species. I have much pleasure in associating with this Rhodesian form the name of Mr. Gordon Lancaster, in appreciation of his frequent assistance to the Museum.

p. 139

Closely allied to *Ch. plicatus*, conspicuously larger than in any of the members of the *Ch. pumilus* group.

Size about as in *Ch. plicatus*. General colour dark brown throughout, except that the band of fur on the under side of the wing-membrane bordering the body between the humerus and femur is white, strongly contrasting with the uniformly dark body. Wing-membranes dull brown above and distally below, whitish proximally below. Ears and other soft parts apparently all as in *Ch. plicatus*.

Skull about the size of that of *Ch. plicatus*, but much longer and flatter, the upper profile almost straight instead of being strongly sinuate. Teeth as in the Indian species.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 46 mm. (47 in second specimen).

Head and body 68; tail 37.5; ear 21; third finger, metacarpus 47.5, first phalanx 20, second phalanx 21; fifth finger, metacarpus 27; first phalanx 15; lower leg and hind foot (c.u.) 24.

Skull: condylo-basal length 18.6; mastoid breadth 11.5; front of canine to back of m^3 7.7.

Hab. Zaria Province, Northern Nigeria.

Type. Adult female. B.M. no. 11.3.22.1. Collected and presented by A. C. Francis, Esq. Two specimens.

This bat is no doubt most closely allied to the Abyssinian *Ch. bivittatus*, Heugl., a species we have not got, but which is said to be almost identical with the Indian *Ch. plicatus*. Heuglin's bat has, however, a pale under surface, which would distinguish it from *Ch. nigeriæ*, whether it proved to have the high brain-case of *Ch. plicatus* or the more flattened one of the present species.

Chaerephon pumilus naivashæ Hollister, 1916

p. 4.

Type, from Naivasha Station, British East Africa. United States National Museum No. 166658, male, in alcohol, with skull removed. Collected August 7, 1909, by J. Alden Loring. Orig. No. 6955.

Description. - Like *Chærephon pumilus pumilus* Cretzschmar, but larger, with longer forearm and larger skull; color averaging somewhat darker.

Measurements. - Type, compared with adult male of true *pumilus* from Saaita, Eritrea (number 143166), measurements of the latter in parentheses: Forearm, 42 (38) mm.; skull, condylobasal length, 16.0 (15.4); zygomatic breadth, 10.8 (10.4); interorbital constriction, 4.0 (3,6); mastoid breadth, 9.9 (9.2); mandible, 11.7 (11.8) ; maxillary tooth row, including canine, 6.3 (6.2); entire lower tooth row, 7.3 (7.0). Average of length of forearm in fifteen adults of *naivashæ*, 40.3; in eighteen adults of *pumilus* from Eritrea, Sudan, and Northern Uganda, 36.5.'

Chærephon russatus J.A. Allen, 1917

p. 458

Text Fig. 25, p. 550.

Type, No. 48925, M ad., skin and skull, Medje, Belgian Congo, Sept.,8, 1910. Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 993.

Above uniform russet-brown, with a large median nearly hairless spot at shoulders; below cinnamon-brown, the extreme tips of the hairs on the median area faintly lighter in some specimens but as a rule not appreciably so; a band of cinnamon-brown bordering the underside of wing membrane between humerus and femur; wing membrane (in dry skins) dark brown proximally as far us the fourth digit, the outer portion slightly paler and semitranslucenl; uropatagium dull brown, both above and below. Ears thickened on front border, blackish brown, united by a membrane at base, which projects as a rounded protuberance in front of the ears. Tragus minute, narrow, about 3.5 mm, high by about 1 mm. wide, blackish. Antitragus rather small, about 5 mm. wide at base and 3.5 in height, evenly rounded above. Tail about 34 mm, in length, the apical half free, the basal third below

p. 459

furred. Pad at the base of the thumb large. (For illustration of wing see Part II, p. 550, by Lang and Chapin.)

Collectors' measurements of type: Total length, 102 mm.; head and body, 68; tail, 31; foot, 10; ear, 21.
Additional measurements from the dry skin: Forearm, 45.7; third metacarpal, 45.4; tibia, 38; foot, 10.5; ear, length of outer border, 25.7; height from crown, 19.3.

Collectors' measurements, type land 23 adult topotypes. (4 males, 20 females): Total length, 100 (93-105); head and body, 67.8 (62-73); tail, 33.1 (29-36); foot, 11.2 (10-13); ear, 20.2 (19-22). Forearm, from the skins (same specimens), 44.6 (42-40).

Skull rather deep and narrow; median and lambdoid crests weakly developed, especially the former; preorbital ridge conspicuous; premaxillæ fully ossified, enclosing a pair of small palatal foramina. Upper incisors small, slightly separated at base with their tips nearly or actually in contact (in different specimens); lower incisors $^{2\text{-}2}/_{2\text{-}2}$ small, all bifid, the inner more deeply so than the outer with the inner lobe the larger; outer incisors partly posterior to the middle pair. Upper canines with a broad, deep longitudinal groove and small cingulum without cusps; lower canines without distinctive features. First upper premolar minute, closely crowded between the adjoining teeth and wholly separating them; second upper premolar large, more than half the size of m1; first lower premolar a little smaller than the second.

Skull (type), total length, 18.7; condylobasal length, 16.6; zygomatic breadth, 11; mastoid breadth, 10.1; interorbital breadth, 4,1; maxillar breadth, 7.9; breadth of braincase, 9,3; upper toothrow (with canine), 6.4; length of mandible, 12.2; angle to condyle, 2,5; depth at coronoid, 3; lower toothrow, 7.

Skull, type and 22 topotypes, total length, 18.5 (17.8-19.4); zygomatic breadth, 11 (10.5-11.4).

Represented by 27 specimens (24 skins with skulls, 3 alcoholic), all taken at Medje, September 8, 1910.

The series is exceedingly uniform in both coloration and measurements. The pelage of the dorsal surface is without light tips to the hairs, and the pelage of the ventral surface is nearly so, a few of the specimens, however, having the extreme tips of the hairs pale buffy over the median area. *Chærephon russatus* closely approaches *C. demonstrator* (Thomas) in size and proportions, but the latter is somewhat larger, especially in cranial measurements, the zygomatic breadth being about 2 mm. greater. The upper canine and second upper premolar are said to be in contact in *C. demonstrator*, with the minute first premolar in the outer angle between them, while *russatus* the small premolar is in the middle of the toothrow, completely separating the canine from p^4. The description of the coloration of *demonstrator* also does not agree well with that of *russatus*, nor does the indicated structure of the ears. The fleshy protuberance in front of the ears seen in *russatus* is found also in other species, which in other respects are widely different. It is said not to be present in *demonstrator*. In an alcoholic male of *russatus* there is no indication of the pair of scent glands

p. 460

at the base of the penis, mentioned as a distinctive feature of the unique type of *demonstrator*.

Chærophon (Lophomops) nigri Hatt, 1928

p. 374

Type: sexe M, adulte; localité: dans la case des passagers (située sur la berge du Niger) de Bourem, subdivision de Bourem, Cercle de Tombouctou, Soudan français; date: 6 janvier 1928; dans l'alcool; collecteur: TH. MONOD (Mission saharienne Augiéràs-Draper); n° de récolte: M. S. A. D. Zoologie, n° 736 *a*; Mus. Paris.

Description: Similar to *C. (L.). cristatus* J. Allen. Pelage above and below, deep gray in oontrast to the russet back and cinnamon drab underparts of *cristatus*. There is no band of soft

p. 375

white fur along the inner edge of the wing membrane, characteristic of *cristatus*. The fur hairs of the back extend on to the base of the wing, unlike the condition in *cristatus*. The wing membranes are a ligth smoke gray, as opposed to the ivory colored membranes of *cristatus*. There is little contrast between the wing membranes and the skin covering the wing bones. The wing membranes havë a distinctly lighter posterior border, lacking in *cristatus*. The spotted area of the dorsal surface of the wings next to the body is more extensive than in *cristatus*. The body of this bat is smaller than that of *cristatus*.

Matériel examiné: trois spécimens, comme suit: 1 M adulte (type); 1 M [M. S. A. D. Z. n° 736 *b*] (de même taille que le M

p. 376

type, mais sans touffe de poils sur la couronne) et 1 F adulte [n° 736 *c*] (co-types), même localité, date, etc. que le type. Mus. Paris (F) et Amer. Mus. (M).

Les spécimens ont été comparés aux types et co-types de *C. (L.) cristatus* Allen, *C. (L.) Chapini* Allen et *C. (L.) abæ* Allen.

[table removed - eds.]

Les caractères çrâniens ônt été notés sur la F: longueur totale: 16; largeur mastoïde: 9; largeur interorbitaire: 4; largeur maxillaire: 7.5; largeur de la boîte crânienne: 8; longueur de la rangée supérieure de dents: 5; longueur de la rangée inférieure: 6.5; longueur de la mandibule: 10; mandibule, de l'angle au condyle: 4

Chaerophon pumilus elphicki Roberts, 1926

p. 245

Kershaw (*Ann. Durban Mus.* III, p. 29, 1921) has recently published an important note on the forms of *C. pumilus*, in which he places *C. limbatus* Peters as a subspecies, pointing out that the northern, typical *pumilus* has no white below as in *limbatus*, while specimens from south of the tropics again lose the white, and he therefore places them with *pumilus*. There are objections to the use of the same name for the animals occurring respectively in the northern and southern latitudes with intermediates between them, as there are sure to be differences in other respects besides those which are commonly accepted for guidance. There are a number of such cases in birds and mammals, and the present one is no exception, there being average cranial differences which require recognition. Hollister (*Bull. 99, U.S. Nat. Mus.* p. 96, 1918) has been good enough to publish dimensions of a number of specimens from E. Africa and northwards. He has apparently been guided to some extent by the length of forearm, a character dependent largely upon the distance the animals are called upon to fly from their shelters to their feeding grounds, and

p. 246

it seems evident that his Sudan and Uganda specimens should be separated, as there is a difference in the skull dimensions. Quoting his figures and adding those of specimens from Transvaal, the following results are shown:

[table removed - eds.]

Those from Zanzibar represent *pumilus*, those from Uganda and Sudan have also been allocated to the same form, but evidently require removal, those from Naivasha represent *naivashae*, those from Zanzibar *limbatus*, and those from Malelane elphicki. It is to be noted that there is an increase in size from the Equator southwards, *elphicki* representing the largest form. In colour these Transvaal specimens are very dark, glossy brown, almost black, above, and paler below on account of the paling of the tips of the hair, but still dark brown; white only appears distinctly as a narrow band between the limbs, along the flanks and inner border of the flying integument.

Type: T.M. No. 2488, adult male, Malelane Estate, E. Transvaal. Named after Capt. G. J. Elphick, to whom I am indebted for the specimens.

Chalinolobus argentatus Dobson, 1875

p. 385

The crown of the head is abruptly elevated abopv the face-line as in *Miniopterus*, but to a much less extent; muzzle short, very obtuse in front, broad and flattened above; nasal apertures wide apart in front; separated by a slightly concave space, opening sublaterally, bounded laterally by the front margins of the labial glandular prominences which are separated from the nostrils above by a sulcus on each side; as in the other species of this genus. Beneath, on each side of the chin, below the under lip, a smooth broad rounded elevation exists separated from its fellow of the opposite side by the

p. 386

small naked space on the lip in front of the lower incisors. These elevated sides of the chin are covered with short hairs and enclose a hollow space between. Ears very like those in *Miniopterus*, short and rather sloped backwards; the inner margin commences in a long lobule directed backwards; the margin of the ear is almost regularly convex all round from the commencement of the inner margin to a point in the outer margin opposite the base of the tragus, where it becomes slightly emarginated, and immediately beyond abruptly convex, forming a short erect lobe connected by a low band with a wart in front at the angle of the mouth, which is continuous with a horizontal lappet of thickened skin extending forwards along the lower lip almost as far as a point opposite the lower canine. With this lappet of the lower lip the outer margin of the ear is thus directly continuous. Tragus semilunate, the inner margin slightly concave, the outer regularly convex, at the base a rather large equilateral triangular lobule very acutely pointed.

First phalanx of longest finger short, intermediate in length between that of *Miniopterus* and that of *Vesperugo*, terminal phalanx very long, flexed forwards on the under surface of the first phalanx in repose; in this position it extends nearly to the middle of the metacarpal bone. Feet small; wings to the base of the toes; calcaneum long and straight, extending quite three fourths the distance between the ankle and the tip of the tail; no postcalcaneal lobule.

Tail as long as the head and body, wholly contained within the interfemoral membrane.

The ears and the face are nearly naked, a few short hairs only appearing on the glandular prominences between the eyes and nostrils; the fur of the body above and beneath extends upon the wing-membranes as far as a line drawn from the middle of the humerus to the middle of the femur; the interfemoral membrane above and beneath is quite naked, except where a small triangular patch of hair appears at the root of the tail.

The fur is tricoloured, the basal third of the hairs black, the middle third white, and the terminal third a beautiful dark silvery grey. This is the arrangement of the colours about the middle of the body; but the grey is more prevalent towards and on the head, while the dark shades prevail slightly over the grey towards the tail.

The integument of the ears and face pearly white; wing- and interfemoral membranes dusky white, translucent, traversed by well-defined reticulations and parallel lines.

The teeth are very peculiar. The inner upper incisors very long, remarkably slender and acute; the outer incisor on each side fills up the space between the inner incisor and the canine by its broad base; but its unicuspidate vertically directed summit is

very short, and scarcely exceeds the cingulum of the inner incisor. The canines are extremely long and slender, and are directed almost vertically downwards and slightly outwards; the lower canines are also very slender, but scarcely more than half the length of the upper ones. The upper premolar is very acute and close to the canine;

p. 387

the posterior upper molar little more than half the size of the second molar. The lower incisors are distinctly trifid, some even appearing to have a fourth lobe; they are not crowded, and form a regular semi-circle across the wide space between the canines. The lower premolars are also, like the canines, very slender and acutely pointed, the first premolar about half the size of the second.

Length (of an adult F preserved in alcohol): head and body 2".0; tail 2".0; head 0".55; ear 0".5, tragus 0".22 x 0".1; forearm 1".7; thumb 0".25; first finger 1".7; second finger-metacarp. 1".7, 1st ph. 3".6, 2nd ph. 1".3; third finger-metacarp. 1".55, 1st ph. 0".45, 2nd ph. 0".5; fourth finger-metacarp. 1".35, 1st ph. 0".4, 2nd ph. 0".3; tibia 0".72; foot and claws 0".3.

Hab. Cameroon Mountains, western equatorial Africa.

This species has a general resemblance to *Miniopterus schreibersi* in the shape of the head and ears, in the shortness of the first phalanx and great length of the terminal phalanx of the longest finger, in the long and slender tail wholly contained within the interfemoral membrane; added to which the grey colour of the fur and corresponding size would cause specimens of this species to be readily confounded, on a superficial examination, with specimens of the European grey-coloured *M. schreibersi*.

Chalinolobus congicus Noack, 1889

p. 223

Taf. II, Fig. 1; Taf. V, Fig. 66 - 68.

Genus *Chalinolobus* bei DOBSON, Cat. Chiropt., p. 252.

Acht Spiritus-Exemplare, 4 M und 4 F. Netonna, April u. Mai. Coll. HESSE.

Die vorliegende Collection bietet nicht unerhebliche Schwierigkeiten, weil die Exemplare nach Geschlecht und mehr noch nach dem Alter in der Färbung ziemlich stark abweichen, während Schädel und Gebiss beweisen, dass sie zu einer Art gehören, welche ich geglaubt habe mit *Chalinolobus* vereinigen zu müssen, obwohl die inneren I zweispitzig wie bei *Vesperus* sind. Die Bildung des Ohres dagegen und des Mundwinkels ist durchaus die von *Chalinolobus*.

Diagnose. *Chalinolobus* mit zweispitzigen inneren I, halbmondförmigem Lappen am unteren Mundwinkel und Warze über dem Mundwinkel, rundem, nach hinten umgebogenem Lappen am unteren Ohrrande, Tragus mit gerader innerer, gebogener äusserer Kaute mit spitzem Lappen am unteren Rande, weisslichgelber bis hell röthlichbrauner Flughaut, ganz von der Flughaut eingeschlossenem Schwanze und olivengelblich-silbergrauer Färbung und mehr oder weniger deutlichen weisslichen Streifen oben und unten an den Schultern.

Beschreibung. Kopf und Nase kurz, letztere breit abgerundet, die weit von einander entfernten Nasenlöcher durch eine seichte Furche getrennt. Oberlippe an den Seiten wulstig, die Lippenränder ganz vereinzelt kurz behaart. Mundwinkel mit einem grossen, halbmondförmig herunterhängenden Lappen, der nach unten mehr oder weniger scharf begrenzt ist. Auch vor dem Lappen ist die Unterlippe wulstig. Oberlippe im Mundwinkel warzig verdickt. Eine runde Warze steht über dem Mundwinkel nach dem Ohr hin. Auge sehr klein, näher dem Ohr als der Nasenspitze. Ohr gross, aber kürzer als der Kopf, breit abgerundet, innen nackt, aussen mit nackter Spitze. Der innere Hand unten zu einem runden Lappen umgebogen, der äussere verdickte Rand mit kleinem, rundem Lappen bis an den Mundwinkel vorgezogen. Tragus innen ausgehöhlt, an der Basis schmal, der aussere Rand springt über der schmalen Basis mit kleinem dreieckigem Lappen vor, mittlerer und oberer Theil des Tragus ziemlich gleich breit, die innere Kante gerade, die äussere rundlich gebogen. Zunge kurz und dick, am Rande mit einzelnen kleineren Wärzchen, sonst mit feinen Papillen. Von den 7 Gaumenfalten ist die erste und die

p. 224

letzte ungebrochen, bei den übrigen wie gewöhnlich die Innenseite der Bogen Bach hinten gezogen. Die Flughäute sind sehr zart und stark zugespitzt, zwischen Unterarm und fünftem Finger von starken, bräunlichen Adern durchzogen, sonst fein geädert, der Lappen der Schwanzflughaut unbedeutend, der Schwanz mit 7 Wirbeln ganz von der Flughaut eingeschlossen. Die Schwanzflughaut oben bis zum dritten Wirbel dünn behaart, der Humerus oben auf $^1/_3$ Länge, etwas stärker die Unterseite der Flughaut vom Ellbogengelenk bis zum Anfang des Unterschenkels. Der Daumen frei, an der Basis ohne stärkere Schwiele.

Färbung der Gesichtsseiten und des Ohrs weisslich, vor der Stirn olivenfarben, vom Auge zum Ohr ein dunkler Streifen, der nur bei einem M stärker hervortritt. Extremitäten unten weisslich, oben gelbbraun. Nägel tief schwarz. Färbung der Flughaut zwischen den Fingern weisslich, doch bei einigen M mehr rothbraun, an den Seiten und zwischen den Schenkeln hell röthlich-grau, Haar lang und fein, etwas flockig, Haarbasis etwas heller als das Haar. Färbung der Oberseite olivengrau mit silbergrauen Haarspitzen, nach hinten zu mehr olivengelb, Kehle etwas heller, sonst die Unterseite etwas dunkler als die Oberseite. Die Unterseite der Flughaut hell gelbbraun behaart. Zwei weiseliche Streifen von der Schulter bis zu den Schenkeln treten nur bei einem M deutlich hervor. Die gelbliche Färbung des Hinterrückens ist bei einem Exemplar ebenfalls streitig, übrigens der Farbenton bei den alten F heller als bei den M, nur ein M sehr hell.

Bei *Chalinolobus arqentatus* ist die Haarbasis schwarz, die Haarmitte weiss, die Spitze silbergrau, *Chal. variegatus* ist viel kleiner, bei *Chal. poensis* die Flughaut immer braun. Das Subgenus *Glauconycteris* ist grösser. Die breite Vorhaut ist

zweilappig, an der Spitze kurz borstig behaart, das kleine Scrotum dicht hinter dem 4 mm langen Penis, dicht dahinter der After. Auch die Scheide dicht vor dem After, die Clitoris sehr klein, unten gefurcht und an der Spitze durchbohrt. Die beiden Mammae nur bei einem F kahl mit angesogenen Zitzen.

Maasse. M, F adult.
Körper: 52 - 56, 50
Ohr: 9.5 - 10, 9.5
Mittlere Breite: 7, 7
Tragus: 4 - 4.5, 4.5
Schwanz: 42 - 45, 45
Humerus: 26 - 28, 25
Unterarm: 41 - 43, 40

p. 225

Daumen: 4.5, 4
II: 53 - 58, 54
III: 78 - 84, 81
IV: 57 - 61, 59
V: 50 - 52, 50
Femur: 17 - 18, 18
Unterschenkel: 17 - 18, 18
Fuss: 6 - 7, 7
Sporn: 12 - 14, 13

Schädel (Taf. V, Fig. 66) kurz und breit, der obere Theil des abgerundeten Occiput nach vorn gegen den Scheitel umgebogen, Stirnbeine etwas blasig aufgetrieben, Nasenbasis stark eingesenkt, der kurze und breite Oberkiefer nach oben gebogen, die Nase seicht gefurcht, die Seiten der Nasen beine mit rundlicher Leiste, die Bullae audit, mittelgross, aussen flach, innen kräftig entwickelt, der schlanke Jochbogen in der Mitte eckig in die Höhe gezogen.

Am Unterkiefer die Symphyse breit und kräftig, schräg nach vorn gerichtet und unten mit kleinem Zacken, der horizontale Ast gerade, der aufsteigende Ast niedrig und breit, nach hinten gerichtet, der niedrige Proc. coron. nach vorn und stark nach aussen gebogen, die obere Kante des aufsteigenden Astes flach eingebogen.

Maasse von M adult.: Scheitellänge 12, Basilarlänge 11.5, Schädelkapsel 8.5, Hinterhaupt über dem For. occipit. 5, For. occipit. 3 breit, 2.5 hoch, Scheitelbreite hinten 7.25, die Stirn hinter der Nase 5 lang und breit, Bullae aud. 3, Höhe der Schädelkapsel 6, Kieferlänge von I bis M III 5, Gaumenlänge 5, Breite 3.25. Die Schädel der F sind um ein Geringes kleiner. Unterkiefer bis zum Condylus 9, Höhe der Symphyse fast 2, des horizontalen Astes 1, des aufsteigenden Astes unter dem Proc. coron, 3.

Gebiss (Taf. V, Fig. 67 - 68) von *Chalinolobus*:

$I\ ^{2+2}/_{6}\ C\ ^{1+1}/_{1+1}\ P\ ^{1+1}/_{1+1}\ M\ ^{3+3}/_{3+3}$.

Oben I innen durch eine 1.25 breite Lücke getrennt, stark nach vorn und mit der Spitze etwas nach einwärts gerichtet, massig gebogen, stark zugespitzt mit kleinem hinteren Nebenzacken, der bei allen Exemplaren vorhanden ist. I aussen sehr klein, eng zwischen I innen und C, stumpf zugespitzt, wie I innen gerichtet. C schlank gebogen, etwas weniger nach vorn gerichtet als I innen, hinten flach cannelirt , Basalwulst wie bei I, P und M schwach, innen zackig vorspringend. P kaum $^{1}/_{2}$ C, nach innen gerichtet, an der Basis ziemlich breit, aussen cannelirt, mit schlanker

p. 226

Spitze, wenig gebogen. M I und II identisch, die Aussenzacken niedrig, der vordere stärker, erheblich nach vom gerichtet. Der hintere innere W-Zacken stärker und höher als der vordere, der innere Nebenzacken hoch, mit scharfem Rande und starkem vorderen, nach innen gerichteten Zacken. M III schmal, der vordere Aussenzacken stark, nach vorn gerichtet, die niedrigen hinteren Zacken ebenfalls nach vorn gebogen.

Unten I klein, undeutlich dreilappig, in der Richtung der Kiefer-Symphyse schräg nach vorn gerichtet. C schlank, stark nach aussen und etwas nach hinten gerichtet, vorn innen mit Nebenzacken. P I sehr klein und niedrig, kaum $^{1}/_{4}$ C, breit dreieckig zugespitzt, Aussenseite etwas nach innen gerichtet. P II schlank, = $^{1}/_{2}$ C. Die Aussenzacken von M breit dreieckig, der vordere um $^{1}/_{3}$ höher als der hintere, Die Hauptzacken der M sind etwas niedriger als C und nehmen nach hinten etwas an Grösse ab. Der innere Nebenzacken von M I ist stark nach vorn, der hintere von M In stark nach hinten gerichtet

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Chamtwaria Butler, 1984

p. 187

CHAMTWARIA, nov. genus

Diagnosis: Resembling *Kerivoula* in having three upper premolars, the middle one (P3/) smaller than the anterior one (P2/) but less reduced than in *Myotis*; differing from *Kerivoula* in the longer, narrower face, nasals extending above canines, infraorbital foramen close to tooth row, the sharp infraorbital crest, and the less elevated paracone of P4/.

Type and only species: *Chamtwaria pickfordi* nov. spec.

Chamtwaria pickfordi Butler, 1984

p. 187

Chamtwaria pickfordi nov. spec.

Diagnosis: With the characters of the genus. P2/-M3/ 10.3 mm.

Holotype: KNM.CA 2237, the anterior part of a skull, from Chamtwara. This is the only known specimen.

The species is named after Dr. Martin Pickford.

Description (fig. 25 A, A'):
The skull is broken off posteriorly at the back of the olfactory chamber, and most of the alveolar portion of the maxilla is missing on the right side. On the left side the orbit and the root of the zygoma are preserved, and the three premolars are complete, but the canine and molars are represented only by their broken bases or roots.

Chamtwaria is large for a vespertilionid; in size of molars and width of palate it is comparable with *Scotophilus nigrita* and *S. heathi*, but the postcanine tooth-row is longer.

The face anterior to P4/ is narrower and less depressed than in *Myotis* and *Kerivoula*. Its width, behind the canines, is about equal to the total length of C - P4/, as in *Natalus*. The dorsal surface of the face is flattened, lacking the median concavity of *Kerivoula* and *Myotis* and thus resembling *Natalus*. The profile rises rapidly above the orbits. There are no sutures, except a trace of the internasal suture. Grooves show the position of the ascending processes of the premaxillae, which reached back to above the posterior end of the canines. The nasals are long, extending beyond the canines and reducing the size of the external narial opening. The large anterior emargination of the skull of other Vespertilionidae is absent, but there is more resemblance to *Natalus*. The zygomatic arch arises above M2-3/. Its dorsal edge continues as a sharp crest below and anterior to the orbit, passing in front of the lachrymal foramen, as in *Myotis*; in *Kerivoula* this crest is weak and the lachrymal foramen opens on the face. The lachrymal
foramen is above the anterior end of M1/ as in *Kerivoula* and *Myotis*; in *Nalalus* it is above M2/. The infraorbital foramen is low on the face above the anterior end of P4/; in *Kerivoula* and *Myotis* it is higher, nearly level with the lachrymal foramen; in *Natalus* it is low but over P3/. The palate is proportionately longer and narrower than in *Kerivoula* and *Myotis*, and also more arched; it resembles *Natalus* in proportions. Its anterior border is not well preserved, but the emargination did not reach beyond mid-canine level. Posteriorly, the lateral part of the palate ends immediately behind M3/; the median part extended back under the nasopharynx, but its posterior edge is not preserved.

p. 188

To judge by its broken base, the canine seems to have been comparatively small. The first two premolars (P2,3/) are proportionately larger than in *Kerivoula*, so that the total length of the premolar series is 79 % of the length of the molar series, compared with 55 -65 % in *Kerivoula*. In *Myotis* both P2/ and P3/ are reduced, especially P3/ which in some species is minute and displaced lingually. P2/ is larger than P3/ in *Chamtwaria*, as in *Kerivoula* and *Myotis*, but in *Natalus* it is much smaller. Alveoli on the right side of the specimen show that P2/ has two roots. The crown is broadly oval in outline, and less compressed anteroposteriorly than in *Kerivoula*. There is a single cusp, blunted by wear, and buccal and lingual cingula. P3/ is proportionately narrower than P2/, and not compressed as in *Kerivoula*; it is separated from P4/ by a short space. In *Natalus* P3/ is triangular. P4/ of *Chamtwaria* approaches an equilateral triangle in outline; it is much shorter and less wide than M1/. The paracone is not elevated as in *Kerivoula*, but only about as high as on P2/. As far as can be seen from their broken bases, M1/ and M2/ resemble those teeth in *Kerivoula* and *Myotis*. On M1/ the metastylar apex projects farther laterally than the parastyle, and on M2/ parastylar and metastylar apices are

p. 189

equally prominent. The lingual region is more extended on M1/ than on M2/. The roots of M3/ indicate a short, transverse tooth. In *Natalus* M1/ and M2/ are more quadrate and M3/ is less reduced in length.

Relationships:

The fossil genus that is most like *Chamtwaria* is *Stehlinia*, from the U. Eocene-Oligocene of Europe (Revilliod 1922, Sigé 1975). This agrees in having a long face, with nasals extending above the canines, though the face is flatter and there is a median dorsal concavity; the lower edge of the orbit is sharp; the infraorbital foramen is low, near the teeth. Except the dorsal concavity, these characters are also shared with *Natalus*. The premolars of *Stehlinia* resemble *Natalus* and differ from *Chamtwaria*: P2/
is small and one-rooted; P3/ is a larger, triangular tooth which frequently develops a third root; P4/ is wider in comparison with M1/, and its paracone is elevated. Sigé (1975) considers *Stehlinia* to represent a primitive vespertilionoid stock of which *Natalus* and
Kerivoula are the least modified living descendants. *Kerivoula* and *Chamtwaria* have advanced beyond *Stehlinia* in the simplification of P3/ and enlargement of P2/. *Myotis* also has P3/ smaller than P2/, but both teeth have diminished in size as the face has shortened, leading to the disappearance of P3/ in other vespertilionids. Thus *Kerivoula* and *Chamtwaria* show in their premolars an early stage in the development of a derived vespertilionid character. *Chamtwaria* is more primitive than *Kerivoula* in skull characters in which it resembles *Stehlillia* and *Natalus*.

How to express these relationships taxonomically is mainly a matter of taste. Sigé (1975) removed *Kerivoula* from the Vespertilionidae and included it with *Stehlinia* in a family Kerivoulidae, but he retained the Natalidae as a separate family. Van Valen
(1979) combined Kerivoulidae and Natalidae with Thyropteridae, Furipteridae and Myzopodidae into a single paraphyletic family Natalidae, noting that they lack derived characters of Vespertilionidae, mostly characters of the humerus. Both these arrangements
have the disadvantage of obscuring the relationship of *Kerivoula* to *Myotis*. I would therefore retain *Kerivoula* in the Vespertilionidae, subfamily Kerivoulinae, but would exclude *Stehlinia*. *Chamtwaria*, unlike *Stehlillia* but like *Kerivoula,* has advanced in the vespertilionid direction in premolar organisation, and it may also be included in the Vespertilionidae. It is provisionally placed in the Kerivoulinae, though a case might be made for making it the type of new subfamily.

Choerephon (Lophomops) langi Roberts, 1932

p. 17
Choerephon (Lophomops) langi sp. nov.

In size coming near to *C. (L.) shortridgei* Thomas of Ovamboland, but differing in colour and its shorter and uni-colour crest. Colour above dusky drab, including the whole frontal crest; below lighter coloured, becoming pure white on the lower part of abdomen and along the border of the membrane in a fairly broad band to the base of the humeri.

Type: T.M. No. 6554, adult ♂, Tsotsoroga Pan, Northern Bechuanaland, 29th June, 1930, No. 870, Vernay-Lang Kalahari, Expedition. Length of head and body 53, tail 38, hind foot (c.u.) 8, ear 16. Crest 9, forearm 37.5, first phalanx of 3rd digit 36, 2nd 16.5, 3rd 23 mm. Skull: length from canines 17, zygomatic width 10.4, width of brain case 8.5, of palate across m^2 7.6, width across canines 4.2, length of upper tooth-row ($c\text{-}m^3$) 6.1 mm.

Chrysopteron Jentink, 1910

p. 74

Chrysopteron n. g.

Dental formula: $i.\ ^{2-2}/_{3-3}$, $c.\ ^{1-1}/_{1-1}$, $pm.\ ^{3-3}/_{3-3}$, $m.\ ^{3-3}/_{3-3} = 38$.

Braincase normal; second upper premolar very small and not to be seen from without; middle and second lower incisors with four cusps.

Type of the genus is *Weberi* Jentink.

Cistugo Thomas, 1912

p. 205

Allied to *Myotis*, buth with differently proportioned teeth and with glands in the wings.

Skull essentially as in *Myotis*, but the brain-case not specially vaulted and the muzzle rather less pinched in laterally.

Dental formula as in *Myotis*.

Incisors of the same essential structure as in *Myotis*, but shorter. Canines similar. Small premolars subequal, minute, not half as large as the incisors, short, stumpy, quite without the similarity to a minute canine shown at least by the anterior one in *Myotis*, their tips barely rising to the level of the cingulum of the canine, the two closely pressed togehter and just filling the space between the canine and the large premolar. Large premolar with an unusually well-developed antero-internal cusp, as high as the large inner cusp of the molars. Lower incisors as in *Myotis*; canines proportionally short, barely rising as high as the posterior premolar; premolars all with their antero-posterior less than their transverse diameter, the two small ones closely crowded together between the canine and posterior premolar.

General external characters as in the smaller species of *Myotis*. Tragus of medium length, differing from that of most species of *Myotis* by being broader slightly above its base than at the base, its inner and outer edges both slightly convex.

Wings with peculiar thickened glands in them on the outer side of the forearms distally; three present on the left side and two on the right in the single specimen, but the situation of the third one is perceptible in the right wing, so that the normal number is probably three; the glands themselves about 3 - 3.5 mm. in length by 1 - 1.5 in breadth, more sharply outlined than the corresponding glands in *Pizonyx*; also situated closer to the forearm than in that genus, less in the centre of the wing.

Type: -

Cistugo lesueuri Roberts, 1919

p. 112

This genus was first described by Thomas (*ann. and Mag. N.H.* ser. 8, vol. x. pp; 204-206, 1907) on a single specimen taken in Angola. Apparently no more specimens have since been collected, and it is therefore pleasing to be able to record yet another specimen from so far south, and apparently resembling another species. The present one differs most markedly from *Cistugo seabrae* in size, the cranial and external characters seemingly differing but little; there appear to be no glands on the wing, however, and the colouration is somewhat different, both of which may eventually prove to be of little importance. *C. seabrae* is described as: "General colour dull drag, the bases of the hairs everywhere slaty, the tips above drab, below whitish. Membranes brown, with whitish edges, the light-coloured reticulations conspicuous." In the present species, the base of the hair is black, the upper parts as far as the crown terminally "honey-yellow" (Ridgway, 1912), the under parts as far as the chin much paler, yellowish white. The top of the head shows less of the yellowish colour and merges into the dark brown which characterises the face. Hair on the edge of the wing membrane merging from

p. 113

the yellow of the back to brown externally. Ears and nose almost naked, the former more thickly haired at the base posteriorly. The specimen being a dried skin cannot be accurately described as regards the ears; but apparently the tragus is almost straight on its inner margin, the outer margin convex. In the teeth, which are worn, the inner anterior cusp of P^4 is in line between the same cusps of P^3 and M^1.

The following comparative measurements will serve to show the difference in size:

Cistugo seabrae; Cistugo lesueuri
Head and body: 40; 47
Tail: 40; 43
Tibia and hind foot (c.u.): 18.2; 19.5
Ear: 12; 13
Skull: greatest length: 13.2; 14
Brain case: 6.6; 7
Front of canine to back of M^3: 4.6; 5.3
Forearm: 32.5; 34.5
Third metacarpal: 31.5; 33.8
First phalanx: 10.7; 11
Second phalanx: 9.7; 10.8

Type, old M, T. M. no. 2286, taken at Lormarins, Paarl District, 15th September, 1917, by J. S. Le Sueur, Esquire, by whom it was rescued from a cat.

Cistugo seabræ Thomas, 1912

p. 206

General appearance that of a *Pipistrellus*, say *P. kuhlii*, to which there is a considerable resemblance in size and colour. Ears of average size, their anterior margin convex at base, then nearly straight to the tip, which is narrowly

p. 206

rounded; outer edge angularly concave above, convex below. Tragus pointed, its inner and outer edges both slightly convex, a rounded lobe at its outer base. Wings from the base of the toes. No post-calcareal lobule. Tip of tail projecting. General colour dull drab, the bases of the hairs everywhere slaty, the tips above drab, below whitish. Membranes brown, with whitish edges, the light-coloured reticulations conspicuous.

Skull and teeth as described above.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 32.5 mm.

Head and body 40 mm.; tail 40; ear 12; tragus on inner edge 5; third finger, metacarpal 31.5, first phalanx 10.7, second phalanx 9.7; lower leg and foot (c. u.) 18.2.

Skull: greatest length 13.2; basi-sinual length 10.1; breadth of brain-case 6.6; front of canine to back of m^3 4.6.

Hab. Mossamedes.

Type. Adult female. B.M. no. 6.1.3.3. Presented by the Lisbon Museum.

This interesting little bat, which I have named in honour of Senhor A. F. de Seabra, C.M.Z.S., of the Lisbon Museum, is distinguishable from *Myotis* by the presence of glands in its wings, by the reduced proportions of its anterior premolars, and the large antero-internal cusp on p^4. Its general appearance is rather that of a *Pipistrellus* than a *Myotis*.

Clœotis Thomas, 1901

p. 28

Allied to *Hipposiderus, Asellia*, and *Triænops*.

Nose-leaf tridentate, its details apparently somewhat as in *Triænops*.

Ears short, rim-like, almost without tip, their outer and inner edges arising close together.

Thumbs extremely minute.

Tail scarcely projecting from membrane.

Anterior upper premolars present, but minute. Last molars nearly as large as the penultimate.

Nasal part of skull disproportionally small and feeble. Basal region broad between bullæ, without vacuities, strongly ridged laterally.

This bat does not appear to be assignable to any known genus. Its ear-structure, described in detail below, is quite unique, the shape of the ears being in this family very characteristic of the different genera. The complicated tridentate structure of the nose-leaf recalls *Triænops*, but the proportions of the skull are very different, nor is there any trace of the remarkable vertical expansion of the zygomata present in that bat. Nor do any of the species of *Asellia* show any approximation to *Clœotis*.

It is unfortunate that the two specimens were both sent as skins, so that, although one has been softened, the nose-leaf cannot yet be accurately described in detail, nor can any figure be given.

Clœotis Percivali Thomas, 1901

p. 28

Size very small, perhaps less than in any other member of the family. General build very light and delicate. Nose-

p. 29

leaf with many resemblances to that of *Triænops*, the posterior part similarly tridentate, the three points thinly hairy; below them in the middle line there is a small median projection, not so long as in *Triænops*; in front of that, again, there is something representing the anterior median plate in *Triænops*, but it is produced forwards into two small projecting points; horizontal horseshoe small, a narrow supplementary leaf apparently present. Outside and behind the tridentate leaf, between it and the eyes, there are two small projections covered with long hairs. Ears short, their outer and inner margins rising close together some way behind the eyes; the two margins are symmetrical with each other, rising vertically a short distance, then bending round abruptly and passing straight back to meet each other at the scarcely perceptible tip; the greatest height of the ear behind is only about one fifth higher than the point at which the two margins bend backwards in front. In fact the whole ear is very like a man's "stand-up" collar with the angles in front rounded off.

Wings very delicately made; thumbs quite minute, the terminal part free from the membrane only about 2 millim. long, including the claw. Wings attached to the distal end of the tibiæ. Calcars short, reaching only about halfway up the tibiæ. Tail apparently of only five joints, the last one scarcely projecting from the membrane, which is acutely pointed behind.

Fur fine, soft, and silky, about 6 millim. long on the back. Face bright buffy; crown greyish; back greyish brown, the hairs uniformly coloured. Hairs of underside slaty grey basally, yellowish white terminally.

Wing and interfemoral membranes uniformly smoky brown.

Skull with the part in front of the orbits much less broad and swollen than in other members of the family, the braincase being disproportionally large. Zygomata strongly convergent forwards. Palate ending opposite the middle of m^2. Basal region of skull broad between the bullæ, without vacuities, but with two strongly marked divergent ridges running from the base of the pterygoids to the antero-internal corners of the bullæ; sphenoidal fissures large and widely open.

Upper incisors spatulate, indistinctly bicuspid. Canines with a small posterior secondary cusp at half their height. Anterior upper premolars minute, crushed in in the outer angle between the approximated canine and posterior premolar. Last molar about four fifths the size in cross-section of

p. 30

penultimate molar. Lower incisors tricuspid, overlapping. Anterior lower premolar well developed, two thirds the height of the next.

Dimensions of the type: -

Forearm 31 millim.

Head and body (in flesh) 35; tail 28; ear 8.

Skull: greatest length 13; basal length 9.5; zygomatic breadth 7; breadth above orbits 3.3; interorbital constriction 1.8; mastoid breadth 6.5; front of canine to back of m^3 3.8.

Dimensions of a specimen softened and put in spirit: -

Forearm 32.

Head and body (c.) 34; tail 26; height of ear behind 5; third finger, metacarpus 26, first phalanx 10.5, second phalanx 14; lower leg 13.5; hind foot (s. u.) 5.5 ; calcar 8.

Hab. Takaungu, N. of Mombasa, British East Africa.

Type. Male. B.M. no. 1.5.1.11. Collected 15th February, 1901, and presented by Mr. A. B. Percival.

Mr. Percival is to be congratulated on the discovery of this interesting little bat, which is widely different from anything hitherto known.

Cloeotis percivali australis Roberts, 1917

p. 264

3 MM, 5 FF, Mooimeisjesfontein, Rustenburg (Powell).

This southern race differs from the typical one in being slightly larger, and in the lower anterior premolar not reaching to half the height of the posterior premolar. The following are maximum arid minimum measurements taken from the series as compared with the typical race :-
C. p. australis; *C. p. percivali**
Head and body: 41-33; 35
Tail: 31-22; 28
Ear: 9-8; 8
Skull-
Extreme length: 13.6-13.2; 13
Greatest width:7.6-7.2; 7
Mastoid width: 7.6-6.8; 6,5
Dental series: 4.3-4.1; 3.8
Forearm: 35-33; 31
Third finger, metacarpus: 29-27; 26
Third finger, first phalanx: 11 .8-10.6; 10.5
*Cf. *Ann. and Mag, Hat. Hist.* (7), Vol. VIII (1901), p. 28.

p. 265

Colour.- Face "warm buffy," browner towards and round the lips; top of head and back buffish-brown, lighter on the posterior margin of the wings; under surface varying from light buff to golden orange, the base of the fur darker, in proportion to the colour of the tips.

Type. - T.M. No. M 1670, F.
Metatypes.- T.M. Nos. M 1669, 1671-1676.

Coleura kummeri Monard, 1939

p. 55

Collection: N^{os} 879 M, 880 F, 881 F, 882 F, 883 F, 884 M, 885 F, 886 M, 887 M, 888 F, 889 F, 890 M, 891 F, 3 crânes 892, Madina, Boé. Tous les exemplaires proviennent de la même station, une case indigène dans les environs de Madina Boé.

Le genre *Coleura* comprend de petites Chauves-souris appartenant à la famille des Emballonuridæ. Les espèces de ce genre sont extrêmement rares dans les collections, peu nombreuses et répandues seulement dans l'Est du continent et dans les îles Seychelles. Le Catalogue de DOBSON (1878) n'en cite que deux espèces: la première, *seychellensis* de PETERS (1868), la seconde *afra*, du même auteur (1867); la première vient, comme son nom l'indique des îles Seychelles et de Zanzibar; la seconde est du continent. du Moçambique. Le Catalogue de TROUESSART et son Supplément n'ajoutent rien à ces renseignements. En 1915, OLDFIELD THOMAS décrit deux nouvelles espèces de ce genre, *gallarum* et *silhouettæ*, (avec deux sous-espèces de *gallarum*) et la distribution du genre gagne un peu vers le centre du continent: Suakim, Aden, Somaliland, réqion du Nil supérieur, du Congo au Zambèze. Les dernières citations de ce genre sont celles de ALLEN, LANG et CHAPIN (Bull. Am. Museum 37, 1917. p. 424) à Aba (Congo Belge) et de ALLEN et LOVERIDGE (1933) qui ont trouvé l'espèce dans les matériaux de l'expédition amêricaine au Tanganyika; la surface distributive est accrue de Voi, à la côte, jusque dans la région des grands lacs (Mwanza). Ainsi donc, le genre *Coleura* apparaît à la fois comme fort rare, oligomorphe, étroitement localisé dans les Seychelles et dans

p. 56

la partie Est du continent. Ce me fut donc une très grande surprise d'en trouver des exemplaires dans l'extrême Ouest africain, en Guinée portugaise, dans l'intéressante région du Boé. L'énorme hiatus qui sépare le Boé du lac Tanganyika est de l'ordre de 5000 km au moins.

Comme il fallait s'y attendre, les exemplaires de Guinée montrent avec *Coleure afra* des différences constantes dans les 13 exemplaires rapportés; ces différences sont suffisantes pour élever au rang d'espèce la forme guinéenne; elles sont du même ordre, pour le moins, que celles utilisées par THOMAS POUR LA CREATION DE SES ESPECES; EN OUTRE, CHOSE CURIEUSE, NOTRE NOUVELLE ESPECE OFFRE SOUVENT DES CARACTERES INTERMEDIAIRES ENTRE *SEYCHELLENSIS* ET *AFRA*.

NOUS NE POUVONS MIEUX FAIRE QUE DE DEDIER CETTE INTERESSANTE ESPECE A M. ALBERT KUMMER, agent de la Compagnie française, à Bissau, notre ami à qui nous avons dû un aimable foyer et une aide toujours active et bienveillante.

Description. Voisine de *afra* PETERS et en offrant les dimensions, à l'exception du tibia, toujours plus long que dans cette espèce et intermédiaire entre *afra* et *seychellensis*.

Museau allongé. conique, dépassant l'ouverture buccale de 3 mm environ; narines ouvertes là l'extrémité de deux courts tubes juxtaposés, séparés par un profond sillon longitudinal; le milieu de la lèvre supérieure montre un petit tubercule nu. Lèvre supérieure et commissure buccale garnies d'une frange de cils raides. Lèvre inférieure munie en son milieu d'un organe (glandulaire ?) nu, saillant, cordiforrne, souvent partagé par un sillon médian, comme dans *seychellensis*, mais à la différence de *afra*.

Oreille large, arrondie, atteignant, rabattue en avant, l'origine des tubes nasaux; le lobe commissural est plus redressé que dans *afra*. Tragus de trois mm environ, à bords parallèles. à sommet arrondi, muni là sa base, du côté externe, d'un petit tubercule.

Membranes aliformes brunes transparentes; le pelage, à la diffêrence de *afra* où il s'étend du milieu de l'humérus au tiers distal du fémur et jusqu'au point de sortie de la queue, ne dépasse pas le corps dans la région interfémorale et le déborde à peine sur les côtés du corps. La longueur de l'uropatagium, prise sur l'axe, est de deux fois celle de la queue. La membrane naît de la cheville ou légèrement en dessus.

p. 58

Le pelage est entièrement brun-roux, la base des poils blanchâtres, comme dans *gallarum nilosa* THOS.

Mâchoire supérieure: incisives obliques, convergentes, largement séparées, leurs pointes séparées par un intervalle égal à celui qui les sépare des canines. Celles-ci avec cingulum développé, formant en avant et en arrière des pointes accessoires, l'antérieure longue et aiguë, la postérieure plus courte. Première prémolaire toute petite, n'atteiqnant que le milieu de la pointe accessoire postérieure, formée d'une base cylindrique large d'où s'élèvent deux petits tubercules. Deuxième prémolaire presqu'aussi grande que la canine. Molaires bien conformées, la première avec parastyle et première commissure rudimentaires, la deuxième complète avec la première commissure recourbée là son origine en avant et en dedans, la troisième avec métastyle, quatrième commissure et hypocône absents ou rudimentaires. Protocônes diminuant de la première à la seconde molaires.

Mâchoire inférieure: les trois incisives trifides, juxtaposées, un peu séparées des canines. Cingulum de la canine bien dèveioppé, formant une pointe accessoire, bien visible en avant, cachée par la prémolaire en arrière. Première prémolaire bien développée, plus petite que la seconde. Molaires toutes à cinq tubercules bien développés, les protoconides les plus hauts.

Crâne: Rostre large et plat, à peine concave au milieu. Bord antêro-infêrieur de l'orbite saillant, cachant la série dentaire en vue sagittale. Processus postorbitaire long, étroit, falciforme. Impression du basisphênoïde large, profonde, bordée en arrière par une crête saillante du basioccipital. Dimensions là peu près celles de *afra* les plus grandes du genre.

Les points principaux qui permettent de différencier cette espèce sont: longueur du tibia (18 mm), présence d'un sillon à la lèvre inférieure, membranes nues dès le corps. Ces caractères placent *C. kummeri* entre *seychellensis* et *afra*. La nudité des membranes, la présence d'un sillon labial sont de *seychellensis*; la forme du museau et des narines, les dimensions sont de *afra*; enfin la longueur du tibia est intermédiaire entre ces deux espèces (15 mm dans *afra* et 25 dans *seychellensis*). La grandeur est celle de *afra* et non de *gallarum*, plus petit.

p. 59

[table removed - eds.]

p. 60

Crâne, longueur totale: 17 mm
Largeur zygomatique: 9.6
" mastoïdienne: 8.8
" niveau M_2: 7.4
Série dentaire supérieure: 8

Mœurs. Les mœurs sont crépusculaires et nocturnes; l'espèce forme ordinairement des troupes assez nombreuses. Au repos, la première phalange du doigt II se replie sur le métacarpe et la seconde sur la première. Au troisième doigt, ce même mouvement n'est qu'ébauché par la première phalange, mais accompli nettement par la deuxième, à la manière de *Saccolaimus peli* TEM. (v. Bull. Am. Museum 37, 1917, p. 515).

Cynonycteris Peters, 1852

p. 25

Dentes primores $^{4}/_{4}$, canini $^{1\,1}/_{1\,1}$, molares $^{5\,5}/_{6\,6}$; index unguiculatus; cranium maxime ante processum zygomaticum ossis frontis coarctatum; mammae anteriores; qlans penis mollis; pollex patagio involutus; cauda brevis vel brevissima.

Die Arten sind zum Theil in Indien, zum Theil in Africa zu Hause

Cynonycteris Angolensis Bocage, 1898

p. 133

Cynonycteris Angolensis.

Syn. *Cynonicteris ægyptiaca*, Bocage (non Geoffroy). *Jorn. Ac. Sc. Lisboa.*, 2ª serie, t. I, 1889, p. 15; *Cynonycteris* sp? Bocage, *Jorn. Ac. Sc. Lisboa*, 2.ª serie, t. II, 1892, p. 174, fig. 2.

Taille à peine inférieure à celle de la *C. collaris*. Tête de forme pyramidale, large en arrière, à museau étroit et obtus; les yeux plus rapprochés de l'oreille que de la narine; les oreilles beaucoup plus longues que la distance de la narine à l'œil, ovales, arrondies au bout. Membranes de l'aile et des oreilles noirâtres.

Pelage laineux et abondant, plus court sur la poitrine et l'abdomen; les poils de chaque côté de la tête, de la gorge et de la face intérieure du cou, sensiblement plus longs.

Les membres sont couverts en dessus de poils longs et serrés, les antérieurs jusqu'à un peu plus de la moitié de l'avant-bras, les postérieurs jusqu'à l'articulation du pied; en dessous, les poils couvrent les membres antérieurs jusqu'à la moitié de l'avant-bras, et sur les membres postérieurs arrivent à peine jusqu'au premier tiers de la jambe. Les ailes présentent sur leur face supérieure, de chaque côté de l'avant-bras, une étroite bande de poils et une bande plus large de chaque côté du corps, allant de la moitié de l'humerus à l'extrémité supérieure du tibia, et se prolongeant sur le côté externe de celuici jusqu'au pied. La membrane interfémorale est presque entièrement couverte en dessous de poils aussi longs et aussi fournis que ceux du dos.

La membrane pré-brachiale est garnie en dessous de petits poils laineux clairsemés; des poils de même nature forment au dessous du membre antérieur une bordure, limitée par une ligne courbe, qui finit sur le milieu de l'avant-bras. L'interfémorale, couverte de poils dans sa portion centrale, laisse de chaque côté un espace nu.

p. 134

Sur le dos et la face supérieure des ailes les poils sont bruns, couleur de tabac; le dessous de la tête est d'une teinte un peu plus claire, mais le museau est plus rembruni. Le cou et la gorge sont d'un brun pâle tirant au grisâtre; la couleur des parties inférieures se rapproche de celle du dos mais prend un ton plus clair, grisâtre, sur le milieu de la poitrine et du ventre.

Plis du palais au nombre de sept, dont trois simples suivis de quatre divisés; les deux derniers dentelés, tous les autres lisses. Les trois plis antérieurs, simples, touchent respectivement par leurs extrémités à la première, à la seconde et à la troisième prémolaire; des quatre plis divises, les deux premiers sont en rapport avec les deux molaires et les deux derniers les suivent, gardant, entre eux et avec celui qui les précède, à peu prés la même distance. Le fond du palais est limite en avant par deux lignes dentelées concentriques assez rapprochées entre elles.*

Dimentions:

	M; F
Tête et corps:	120 mm.; 140 mm.
Queue:	13; 13
Tête:	45; 48
De l'œíl à la narine:	15; 15
Oreille:	23; 22
Avant-bras:	80; 79
Pouce:	32; 33
3.me doigt, métacarpe:	56; 60
" " 1.re phalange:	40; 40
" " 2.me " :	50; 53
3.me doigt, métacarpe:	53; 56
" " 1.re phalange:	26; 26
" " 2.me " :	28; 29
Tibia:	32; 33
Pied:	20; 21

*: L'examen du palais de trois espèces d'Angola, dans nos collections, nous autorise à considérer les différences qu'elles présentent dans la forme et la disposition de ses plis, comme,pouvant fournir des caracteres différentiels de quelque valeur pour la détermination spécifique des Chiroptères du genre *Cynonycteris*. Le palais du *C. stramínea* porte quatre plis simples et trois

divisés, dont les deux derniers sont dentelés; et en arrière de ces plis, au fond du palais, se trouvent quatre lignes courbes concentriques également dentelées; chez le *C. collaris* il y a aussi quatre plis simples et trois divisés, mais le fond du palais est limité en avant par une seule ligne dentelée disposée en angle aigu; enfin le palais du *C. angolensis* nous présente trois plis simples et quatre divisés, et plus en arrière deux lignes dentelées. (V. *Jorn. Ac. Sc. de Lisboa*, II ser., t. 2.^{do} p.p. 174 a 177, figs. 1, 2, 3.)

Nous appelons sur ce sujet, qui nous semble assez intéressant, l'attention des zoologistes que seraient à même de pouvoir examiner le palais des autres espèces du genre *Cynonycteris*.

p. 135

Habitat: *Pungo-Andongo* au nord du Quanza, *Cahata* et *Quibula* dans l'intérieur de Benguella.

La *C. angolensis* est une espèce à ajouter aux troís espèces dont on avait déjà constate l'existence en Angola: *C. straminea* dont nous possédons des exemplaires recueillis par Anchieta dans plusiears localités; *C. Collaris* très répandue dans l'Afrique équatoriale et australe et à laquelle nous croyons pouvoir rapporter des individus envoyés par notre regretté naturaliste de *Pungo Andongo* et de *Quidumbo*; enfin, *C. torquata*. Dobson, dont les exemplaires typiques, provenant d'Angola, font partie des collections du Muséum Britannique.

II est impossible de confondre la nouvelle espèce, avec la *C. straminea* et la *C. collaris*. En effet, même sans tenir compte d'autres caractères différentiels, tels que l'infériorité de la taille, la diverse conformation de certaines parties, et la différente coloration du pelage, la sculpture de son palais nous permet de la séparer, nettement, de ses deux congénères, car, comme nous l'avons déjà observé, le palais de la *C. angolensis* présente trois plis simples et quatre plis divisés, tandis que les deux autres espèces ont quatre plis simples et trois plis divisés.

Quant à la *C. torquata*, la description publiée par Dobson, et sourtout les dimentions sigalées par cet auteur, d'après un individu adulte du Muséum Britannique nous semblaient contraires à toute idée d'assimilation; mais désirant arriver par comparaison directe à un résultat plus positif, nous avons adressé à notre ami Mr. Oldfield Thomas un de nos exemplaires de *Quibula* avec prière de vouloir bien le comparer aux exemplaires typiques du Muséum Britannique. Or le savant zoologiste du Muséum Britanniqae, vient de nous informer, que la *Cynonycteris* de *Quibula* ressemble à la *C. torquata* sous le rapport des plis du palais, trois simples et quatre divisés, mais qu'elle en diffère par la supériorité de sa taille, par sa tête plus longue, par ses oreilles presque doubles en longueur, par l'absence d'un collier etc, ce qui nous permet de conclure quil s'agit réellement d'une espèce inédite.

Cynonycteris torquata Dobson, 1878

p. 76

Cynopterus collaris, Gray (non *Geoffroy*), *Catal. Monkeys and Fruit-eating Bats*, p. 123 (1870).

Slightly more than half the size of *C. collaris*. The head also is comparatively broader and shorter, and the crown of the skull more elevated above the face-line.

The male has the under surface of the neck clothed with remarkably long, densely set yellow hairs, which extend outward upon the shoulders and backwards upon the breast, terminating abruptly, forming a broad well-defined ruff, very distinct from the short fur of the body (Plate V. fig. 2).

Above, half the forearm is covered with short hairs, and the wing-membrane as far as a line drawn from the middle of the humerus to the knee; nearly the whole of the interfemoral is thickly covered, but the lower third of the tibiæ and the legs are quite naked. Beneath, a few fine hairs appear upon the antebrachial membrane and upon the wing-membrane between the humerus and the femur and behind the elbow, but no band of fur passes outwards behind the forearm to the carpus.

Above, reddish brown, head paler; beneath, pale brown except the ruff, which is bright reddish yellow.

P. 77

Upper incisors arranged in an angular series between the canines; last lower premolar placed on the commencement of the ascending ramus of the jaw, so that, although much smaller, its crown is higher than that of the antepenultimate molar.

In the following columns are given the measurements of an adult male (a dried specimen) and of a younger male (the type, preserved in alcohol) :

Length, head and body: -; 3.5
" Tail: -; 0.35
" head: -; 1.3
Distance of the eye from the nostril: -; 0.45
Length, ear: 0.6; 0.6
" forearm: 2.3; 2-.5
" thumb: 0.85; 0.85
" second finger: 1.7; 1.5
" third finger, metacarpal: 1.55; 1.35
" " " 1st phalanx: 1.05; 1.0
" " " 2nd " 1.55; 1.4

" fifth finger, metacarpal: 1.5; 1.35
" " " 1st phalanx. 0.7; 0.65
" " " 2nd " 0.85; 0.7
" tibia: 0.85; 08.8
" foot: 0.5; 0.5

Hab. Africa (Angola).
A. (type) M , al. (not full-grown). Angola. Dr. J. E. Gray.
B. ad. M sk. Africa. Sir J. Richardson.

Cynopterus collaris Gray, 1870

p. 123

Fur reddish brown, beneath rather duller; throat with a broad collar of rigid unctuous red hairs; hairy part of back rather narrow; shoulders and lower half of forearm hairy; forearm-bone 2 $^{1}/_{4}$ inches. Young.

Xantharpyia collaris, Gray, List. Mamm. B. M. 1843.

Hab. West Africa, *Currer* (from Haslar Museum); Angola, *Wellwich* (in spirits).

See also *Ptenochirus*, a subgenus of *Cynopterus*, Peters.

Doryrhina Peters, 1871

A redescription of the genus is provided by Foley *et al.* (2017: 12).

Dysopes brachypterus Peters, 1852

p. 59

Tafel XV. Fig. 1.

D. ferrugineofuscus, gastraeo medio griseo; auriculis multo latioribus quam altis, connatis; labris plicatis, crassis, in margine glabris; cauda ultra medium involuta; calcaribus brevioribus.

Longitudo tota 0,090; capitis 0,026; caudae 0,029; antibrachii 0,037; volatus 0,230.

Habitatio: Africa orientalis, Insula Mossambique, 15° Lat. Austr.

Diese Art is der vorhergehenden sehr ähnlich. Die Ohren haben fast dieselbe Gestalt wie bei *Dysopes limbatus*, doch bildet der vordere Theil der Helix einen deutlichen Lappen, und der Tragus ist am Ende abgerundet. Die Lippen sind weniger faltig und am Rande ungekerbt, glatt. Der Kopf und Körper sind gröfser und stärker, die Flughäute dagegen kürzer, ebenso der Schwanz und die Spornen. Die Behaarung des Körpers ist sehr kurz, am Vorderhalse langer, und bekleidet den angrenzenden Theil der Seitenflughäute; die Schenkelflughaut ist aber weniger stark behaart, und umfafst den Schwanz weit über die Hälfte bis zum viertletzten Gliede. Die Phalangen des dritten Fingers sind kürzer als das Mittelhandglied desselhen.

Die Farbe des Rückens und der Seiten des Halses, der Brust und des Bauches ist dunkel rostbraun, die ganze Mitte der Bauchseite dagegen vom nackten Kinn bis zum After zeigt eine graue Färbung. Sammtliche Haare sind an der Basis und Endspitze blasser, weifslich, indem entweder das Braune, wie am Rücken und an den Seiten des Bauches, oder das Weifse, wie an der Mitte der Unterseite, überwiegend ist; einige Haare der Kehle sind ganz weifs. Die Flughäute und Ohren sind von derselben Farbe, aber dunkler; die Nägel bräunlich weifs.

Der Schädel ist viel gröfser als der von *D. limbatus*. Die Zahl der Zähne ist dieselbe, $^{3\,2}/_{3\,2}{}^{1}/_{1}{}^{1\,1}/_{4}{}^{1}/_{1}{}^{2\,3}/_{2\,3}$ = 30; der letzte obere Backzahn ist aber nur halb so grofs wie der vorhergehende, so dafs seine Schmelzfalte V förmig ist, während dieselbe bei *D. limbatus* ein schief gestelltes N bildet. Ebenso ist der hinterste untere Backzahn weniger vollständig als bei *D. limbatus*. Die Form des Skelets, die Zahl der Wirbel und Rippen, so wie der Bau der Eingeweide ist Ganz wie bei der vorhergehenden Art. Den Blasenhals umfafst eine grofse Prostata ebenso wie bei den Mannehen von *D. limbatus*; die Testikel, obwohl sehr entwickelt, liegen aber nicht aufserhalb sondern innerhalb der Bauchhöhle.

Ein einziges Exemplar dieser Art, ein Männchen, fand ich in einem Kamine in Mossambique.

Mafse in Millimetern.

Ganze Lange von der Schnauze bis zur Schwanzspitze: 90
Flugweite: 230

p. 60

Länge des Kopfes: 26
Höhe des vorderen Ohrrandes: $7^1/_2$
Breite des ganzen Ohres: 15
Länge des Oberarms: 22
Länge des Vorderarms: 37
Länge des Daumens (Mittelh. 3. 1.Gl. 3. 2.Gl. $2^1/_2$): $8^1/_2$
Länge d. 2ten Fingers (Mittelh. 34): 34
Länge d. 3ten Fingers (Miltelh. $36^1/_2$. 1.Gl. 15. 2.Gl. 12. 3.Gl. $4^1/_2$): 70
Länge d. 4ten Fingers (Mittelh. 35. 1.Gl. 12. 2.Gl. $8^1/_2$. 3.Gl. $1^1/_4$): $56^3/_4$
Länge d. 5ten Fingers (Mittelh. 22. 1.Gl. $3^1/_4$. 2.Gl. $3^1/_4$. 3.Gl. $1^1/_4$): $35^1/_2$
Länge des Oberschenkels: 14
Länge des Unterschenkels: 12
Länge des Fulses mit den Krallen: $8^1/_2$
Länge des Schwanzes: 29
Länge des freien Theils desselben: $11^1/_2$
Länge des Sporns: 10
Länge des Schädels: $21^1/_2$
Länge der Wirbelsäule vom Atlas bis zum ersten Schwanzwirbel: 47

Obgleich diese Art mit der vorhergehenden grofse Ähnlichkeit hat, so ist sie doch durch die Gröfse des Schädels, durch die gröfsere Länge der Schenkelfluguaut, durch die Kürze der Spornen, durch die Form einiger Theile des Ohres und endlich durch die Färbung zu sehr von ihr verschieden, um mit derselben vereinigt werden zu können.

Dysopes dubius Peters, 1852

p. 60

Tafel XV. Fig. 2.

D. priori similis, sed multo major.

Habitatio: Africa orientalis, Sena, 17° Lat. Austr.

Obgleich ich von dieser Art nur ein einziges ganz junges Exemplar zur Vergieichung benutzen kann, so geht doch daraus hervor, dafs sie sich nicht mit einer der bekannten vereinigen lasse. Die Ohren sind viel breiter als hoch, über der Stirn mit einander verwachsen, und die Lippen sind faltig, wie bei den vorhergehenden Arten. Durch die Form der Ohren unterscheidet sie sich auch sogleich von den übrigen africanischen Arten. Die Füfse sind von bedeutender Gröfse, 3 Mm. länger als die von *D. brachypterus*, woraus, ebenso wie aus den Verhältnissen des Schädels hervorgeht, dafs das ausgewachsene Thier viel gröfser ist, als *D. brachypterus* oder *D. Geoffroyi*.

p. 61

Am Schädel ist besonders zu bemerken, dafs die Nasenbeino nur aus einem einzigen Knochenstücke bestehen, dafs sich zwischen den grofsen Scheitelbeinen und der Hinterhauptsschuppe zwei quadratische Ossa interparietalia befinden, und dafs die Pars mastoidea des Schläfenbeins einen besondern Knochen bildet. Von den bleibenden Zähnen sind noch keine zum Durchbruch gekommen: jeder Zwischenkiefer trägt zwei feine conische, an der Spitze nach aufsen gekrümmte Schneidezähne, und in jedem Oberkiefer steht ein ganz ähnlich geformter Wechsel-Eckzahn. Im Unterkiefer stehen sechs feine zweilappige grade Schneidezähne und zwei Eckzähne, welche ihre hakenförmige Spitze nach aufsen wenden.

Dieses Thier wurde mir in Sena von einem Neger gebracht, welcher es im Walde gefunden hahen wollte.

Dysopes hepaticus Heuglin, 1864

p. 14

Minor; supra cinereo-fuscus; gastraeo medio albido, reliquo lateribusque laete hepatico-brunneis, hypochondriis magis cinerascentibus; mento et gula nudiusculis, carnicoloribus; auriculis, facie et unguibus fuscis; cauda nigricante; patagiis pallide fuscis, pellucidis, subtus basin versus coerulescentibus.

Labris rugosis, hispidis; auriculis latis trapezoidiformibus, operculatis, margine superiore replicatis, fronte connatis, basi anteriore lobulo accessorio rotundato et trago minore arrecto, acutiusculo instructis; patagio anali plicato, tertiam partem caudae circumdante; cauda crassiuscula, dimidii corporis longitudine.

Long. corporis ad basin caudae 2" 10"' - caud. 1" 5"' - extens. patag. 13" - antibrach, 1" 9"'. -

Obiges die Maasse eines alten F. Die MM scheinen constant kleiner, bei einigen ist die ganze Oberseite des Körpers fein weiss gescheckt, bei andern das Gesicht ganz schwärzlich.

Die Nasenlöcher stehen etwas seitlich und sind stumpf röhrenförmig aufgetrieben; die wulstige Oberlippe mit 7 - 8 Querfalten; die Behaarung des Gesichtes rauh. Das verhältnissmässig grosse Auge liegt in zwei tiefen Furchen nahe an der vordern Ohrbasis. An der hintern Basis des kurzen, breiten unregelmässig viereckigen Ohres ist ein grösserer häutiger Ansatz, der

umgeschlagen den Gehörgang schliesst; vor der Basis des Vorderrandes des Ohres ein kleiner rundlicher, beweglicher Lappen, der sich an der Oberlippenwulst hinter dem Mundwinkel anschliesst.

Im Alter $^{1}/_{1}$, in der Jugend $^{1}/_{2}$ Schneidezähne. Die obern kräftig, mit der Spitze etwas convergirend, die untern mit unbewaffnetem Auge kaum sichtbar.

p. 15

Die obern Eckzähne vorne einfach gefurcht, die untern mit stark divergirenden Spitzen und einem spitzigen, nebenzahn-artigen Absatz auf der vordern, innern Seite der Basis der Krone.

Im Gaumen 5 - 6 undeutliche Falten.

Auf dem äussersten Glied der ersten und fünften Zehe und am Daumen einige lange, rauhe, die Nägel weit überragende weissliche Borsten.

Die Flughäute fast ganz nackt.

Diese hübsch gefärbte Art lebt gesellschaftlich in dürrem, dichtem Laub auf unersteiglichen Doleb-palmen (*Borassus aethiopius*) im Lande der Req-Neger bis zum Djurfluss. Selten sieht man sie bei Tage fliegen, doch ist sie immer munter und sieht bei grellstem Sonnenlicht.

Dysopes limbatus Peters, 1852

p. 56.

[The poor quality of the copy might have resulted in some errors in the text below - Eds.]

Tafel XIV.

D. nigrofuscus, subtus pallidior, ventre medio lateribusque albis; auriculis multo tatioribus quam altis, connatis; labris crassis plicatis; cauda ultra medium libera; patagio anali piloso.

Longitudo tota 0,095; capitis 0,022; caudae 0,034; antibrachii 0,037; volatus 0,260.

Habitatio: Africa orientalis, Insula Mossambique, Sena, a 15° ad 17° Lat. Aust.

Eine der kleinsten Arten dieser Gattung. Die Ohren ragen mit ihrem vordem Ende bis in die Mitte zwischen Auge und Schnauzenspitze, sind niedrig, breit, auf der Stirn durch eine breite Hautwulst vereinigt, am innern Rande der Helix und an der Basis dicht behaart der untere Theil der Helix ist schmal, und läfst keinen besondern Lappen erkennen; der Tragus ist sehr klein, eckig, am obern Rande fast grade abgeschnitten. Die Haare auf den Kopfe hinter der Vereinigung der Ohren sind länger und steifer als am übrigen Körper. Die Schnauze is breit, stumpf, niedergedrückt, un vorn schräg von oben nach unter und hinter eingeschr..en. Die Oberlippe ist dick, .. am Rande ge... und mit kurzen steifen Haaren besetzt. Die Behaarung des Korpers ist sehr fein und weich, am Rücken und Bauch gleich lang, an der Vorderseite des Halses ein wenig länger, und geht zu beiden Seiten in einem breiten Saum auf die Flughäute über. Diese letzteren sind schmal

p. 57

zwischen dem Oberarm und Schenkel mit punctförmigen Rüscheln von Härchen besetzt. Nur das Mittelhandblied des Daumens wird von der Halsflughaut umfafst. Vor dem Gelenke zwischen dem Mittelhand und dem ersten Gliede des Daumens befindet sich eine hornartige nackte Hautscheibe. Die Glieder des dritten Fingers zusammen sind so lang oder länger als die Mittelhand desselben. Die Flughäute gehen nicht ganz bis zum Ende des Unterschenkels herab. Der Schwanz ragt mit seier grofseren Endhollte aus der Schenkelflughaut hervor, welche der Quere nach gefaltet und sowell oben wie unten zur Hänte behaart is.

Die Farbe des ausgewachsenen Männchen Fig 1., ist auf dem Rücken dunkel schwärlich röstbraun, an der Bauchseite etwas blasser, die Mitte und die Seiten des Unterleibs so wie das ... weifs. Die Ohren sind schwarzbraun; die Flughäute neben den Körperseiten braun, die ubrigen Theile derselben durchscheinend bräunlich. Die braune Theile viel heller rostfarbig. Die Rückenhaare haben eine blasse weifsliche Basis; die braunen Haare der Bauchseite zeigen aufserdem hellere Spitzen. Die Nägel sind bruin, am convexen Rande dunkler gefärbt.

Zähne im erwachsenen Zustande $^{3\ 2}/_{3\ 2}{}^{1}/_{1}{}^{1\ 1}/_{4}{}^{1}/_{1}{}^{2\ 3}/_{2\ 3}$ = 30. Die jungen Thiere zeigen vor ihren beiden oberen bleibenden Vorderzähnen die vier noch nicht ausgestofsenen Wechselzähen (Fig. 3a.). Die Wirbelsäule wird aus 41 Wirbelkörpern gebildet; darunter sind 7 Halswirbel, 13 Rückenwirbel, 6 Lendenwirbel, 5 Kreuzbeinwirbel, 10 Schwanzwirbel. Das Brustbein besteht aus drei Knochenstücken: der Kiel desselben ist sehr schwach; es verbinden sich sechs Paar Rippen mit demselben. Der zweite Finger hat eine Phalanx, der Mittelfinger drei, und eben so der vierte und funfte Finger, bei denen aber das letzte Glied kurz un umgebogen ist. Die Fibula is vollständig entwickelt. Die Schleimhaut des Gaumens zeigt sechs Querfalten. Die Papillen der vordern Hälfte der Zunge sind platt und schuppenförmig; auf der hintern Hälfte sind sie grösfer, zerstreuter, warzenförmig; nahe der Basis finden sich mehrere in ringförmigen Vertiefungen, von denen zwei durch ihre Gröfse sich auszeichnen. Zu jeder Seite am Halse liegt eine grofse 7 Millim. im Durchmesser haltende Speicheldrüse. Der Oesophagus mündet nahe unter dem Zwerchfell in einen grofsen sackförmigen Magen, welcher in einen nur anfangs etwas weiteren 130 Mm. langen Darm übergeht. Die Leber liegt mit ihrem gröfsen Theil in der rechten Seite, hat einen mittleren schwachen, einen rechten tiefen Einschnitt; in letzterem liegt die Gallenblase. Die Milz is 15 Mm. lang, am breitesten Theile 4 Mm. breit. Die Nieren sind einfach, bohnenförmig, 6 Mm. lang, 4 Mm. breit; die linke liegt viel tiefer als die rechte. Die Blase ist dünnwandig, und wird, bei dem Männchen, an

ihrem Halse oben und an den Seiten von einer halbmondförmigen 6 Mm. im Durchmesser haltenden Prostata umgeben. Die Ruthe ist ganz weich, ohne innere Skelettheile; nehen ihrer Wurzel liegen die 5 Mm. langen Hoden, und treiben die Haut so hervor, dafs die äufseren Genitalien mit den menschlichen eine aufscrordentliche Ähnlichkcit haben. Der Kehlkopf ist 5 Mm. lang. Die Luflröhre, welche keine Anschwellungen zeigt, enthält 24 knorpfelige Halbringe. Die rechte

p. 58

Lunge zeigt zwei kleine Nebenlappen; die linke ist einlappig. Das Herz ist länglich, 10 Mm lang, 5 Mm. breit.

Diesen Grämler erhielt ich auf der Insel Mossamnbique und in Sena aus dunkele Räumen der Wohnungen. Der Inhalt des Verdauungscanals verschiedener Individuen liefs Theile von Insecten erkennen.

Mafse in Millimetern.

Mas.; Fem.

Ganze Länge von der Schnauze bis zur Schwanzspitze: 95; 80
Flugweite: 260; 230
Länge des Kopfes: 22; 20
Höhe des Ohres am vordern Rande: 8; $7^1/_2$
Breite des Ohres: 15; 13
Länge des Oberarms: 21; 21
Länge des Vorderarms: 37; 35
Länge des Daumens (Mittelh. 3, 3. 1.Gl. 3, 3. 2.Gl. 2, 2): 8; 8
Länge d. 2ten Fingers (Mittelh. 35, $32^1/_2$. 1.Gl. $1^1/_2$, $1^1/_2$): $36^1/_2$; 34
Länge d. 3ten Fingers (Mittelh. $38^1/_2$, 35. 1.Gl. $16^1/_4$, 14. 2.Gl. $16^1/_4$, 13. 3.Gl. 8, 7): $79^1/_2$; 69
Länge d. 4ten Fingers (Mittelh. $37^1/_2$, 34. 1.Gl. $14^1/_2$, 11. 2.Gl. $11^1/_4$, 9. 3.Gl. $1^1/_2$, $1^1/_2$): $64^3/_4$; $55^1/_2$
Länge d. 5ten Fingers (Mittelh. 23, 22. 1.Gl. 11, 10. 2.Gl. 4, 3. 3.Gl. 1, 1): 39; 36
Länge des Oberschenkels: $13^1/_2$; $12^1/_2$
Länge des Unterschenkels: 12; $10^1/_2$
Länge des ganzen Fufses mit den Krallen: 8; 8
Länge des Schwanzes: 20; 15
Länge des freien Endes desselben: 20; 15
Länge des Sporns: 13; 12
Länge des Schädels: $16^1/_2$; 16
Länge der Wirbelsäule ohne die Schwanzwirbel: 43; 36

Nyctinomus aegyptiacus Geoffr. (*Dysopes Geoffroyi* Temm.) hat am meisten Ähnlichkeit mit dieser Art, ist aber viel gröfser (Vorderarm bei dem jungen Thier 50 Mm.), und auch durch die Form und Stellung der oberen Schneidezähne, welche kürzer sind und nahe beisammen stehen, verschieden. *Dysopus pumilus* Rüpp. unterscheidet sich von ihr durch gröfsere Länge der Ohren und durch verschiedene Färbung der Bauchseite. *Dysopes midas*, Hedenborg, und *Dysopes Rüppellii* Temm. (*Dysopes Cestonii* Savi) sind durch ihre viel bedeutendere Gröfse, durch viel höhere Ohren, erstere auch durch die nackten Flughäute leicht von ihr zu unterscheiden. *Dysopes natalensis*, Smith, die einzige bisher bekannte südafricanische Form dieser Gattung, ist oben und unten braun gefärbt, hat dreieckige zugespitzte Ohren, glatte Lippen, und eine viel breitere Schwanzflughaut, so dafs sie in keiner Weise mit unserer Art zu verwechseln ist.

Dysopes pumilus Cretzschmar, 1826

p. 21
Zwerg-Grämler

Diagnos. Dysopes corporis colore ex fusco nigrescente supra obscuriori infra dilutiori.

Ausmessungen.

	Fuß.	Zoll.	Lin.
Lange des Körpers von dem Scheitel bis zu dem Schwanze:	-	1	9
Länge des Schwanzes:	-	-	10
Flügelweite:	-	7	6
Höhe der Ohren:	-	-	6
Länge des Kopfes:	-	-	6

Beschreibung

Das Haar äußerst fine und wollig, nicht sehr lang aber dicht. Die Farbe auf ben oberen Theilen des Körpers schwarzbraun, auf den unteren heller. Die Flügel- und Zwischenschenkel-Membranen schwarzbraun. Dieselbe Färbung an den Ohren. Diese mit starken wulstigen Knorpeln versehen, haben einen kleinen $^1/_2$ Linie langen Ohrdeckel (*operculum*), welcher bei dem nach dem Gesicht sehr vorliegenden Ohre nicht gesehen werden kann, ohne dass dasselbe nach hinten zurück gebogen worden, und welchen wir hier deswegen anführen, da wir ihn bei allen aus Afrika erhaltenen Grämlern vorfinden. Er ist von dem eigentlichen Ohrläppchen (auricula) bedeckt **). Im übrigen ist dieser Grämler seinen Formen nach ein Miniaturbild von dem Dysopes Rüppelli, welchen Temminck in den *Monographies de mammalogie* pag. 224 beschrieben und planche XVIII abgebildet hat, weswegen wir in Hinsicht der Characteristik dieses Geschlechtes als auch unserer hier bezeichneten Art im allgemeinen auf die vorzügliche Bearbeitung derselben hinweisen. Die kleinen schwarzblauen Augen sind von dem Ohre fast ganz bedeckt.

Vaterland. Massauah.

Aufenthalt. Alte verödete Wohnungen.

**) Geoffroy hat diesen Ohrdeckel nicht angegeben. Temminck dagegen desselben erwähnt, aber die *auricula* als eine doppelte, eine äußere und eine innere angeführt, während diese Theile ihrem Baue und ihrer Bedeutung gemäß, wie schon Kuhl angegeben, verschieden sind.

Eleutherura unicolor Gray, 1870

p. 117

Fur soft, uniform grey brown, rather paler below; hair one-coloured; ears large; wings pale, with white hairs near margin; forearm 3 inches 8 lines; tail very short; false grinders in each jaw well developed, lower largest.

Hab. West Africa: Gaboon, *Verreaux*.

See *Pteropus mollipilosus*, Allen, Proc. Acad. N. Sci. Philad. 1861, p. 159. Head small; ears large; tail very small, free; fur olive-brown, brighter on the back of the neck. *Hab*. Western Africa (Gaboon), *Du Chaillu*. "The intermaxillary bone of the skull is not thrown forwards and downwards as in other *Pteropi*, but is on the same level as the roof of the mouth, the first upper premolar larger than the incisors, the same tooth of lower of a good size and less tubercular than in other species." - Allen. Perhaps male of preceding.

Emballonura afra Peters, 1852

p. 51

Tafel XII. Tafel XIII. Fig. 18. 19.

E. ferrugineofusca, gastraeo pallidiore, auriculis trianqularibus rotundatis, trago mediocri; rostro prominente, apice bifido; dentibus primoribus superioribus duobus; phalangibus primis digiti quarti et quinti duplo longioribus quam secundis.

Longitudo tota 0,080; caudae 0,020; antibrachii 0,050; volatus 0,310.

Habitatio: Africa orientalis, Tette.

Von der Gröfse unserer *Vespertilio discolor*. Die Ohren stehen weit von einander getrennt, sind um ein Viertel kürzer als der Kopf, von dreieckig abgerundeter Gestalt, und nur an der Basis und am Längskiel behaart. Ihr vorderer grader Rand steht mitten über dem Auge, ihr hinterer convexer, unten schwach ausgeschnittener Rand setzt sich geschwungen bis nahe hinter und unter dem Mundwinkel fort. Es lassen sich an ihnen neun, oben gedrängter stehende, Querfalten unterscheiden. Der Tragus ist frei, doppelt so lang wie breit, an seiner Basis hinten mit einer kleinen nach vorn umgeschlagenen Spitze versehen, am Rande behaart. Die Augen sind gröfser als sie gewöhnlich bei den Thieren dieser Ordnung erscheinen, und haben ihre Lage in der Mitte zwischen dem vorderen Ohrrande und dem Mundwinkel. Die Plica semilunaris in ihrem innern Winkel ist sehr entwickelt. Die Nase tritt oben doppelröhrig hervor, und bildet den am meisten vorspringenden Theil der Schnauze; sie ist zu jeder Seite schräg abgestutzt, so dafs die Nasenlöcher unter einem stumpfen Winkel

p. 52

von einander abgewandt sind. Das Maul ist bis unter die Augen gespalten. Die Oberlippe ragt mit ihrem breiten platten Rande über die Unterlippe hervor, ist mit steifen über der Mundrand gerichteten Haaren besetzt, jederseits an ihrer innern Oberfläche durch einen warzigen Vorsprung, und vor der Mitte durch eine platte Erhabnuheit ausgezeichnet, welche in eine mittlere Vertiefung der Unterlippe eingreift, deren Schleimhaut sich hier mit einer dreieckigen breiten Platte nach aufsen umschlägt. Eine hintere Erweiterurig der Backen in taschen förmige Vertiefungen ist nicht vorhanden. Die Gaumenhaut bildet sechs quere Falten; die erste derselben ist kurz und liegt mitten zwischen den Eckzahnen; die zweite ungetheilte liegt zwischen dem vordern Ende der beiden grofsen Lückenzähne; die dritte und vierte sind in der Mitte getrennt und nehmen den Raum zwischen dem ersten Paar der grofsen Backzähne ein; die fünfte ist ebenfalls in der Mitte getheilt, und bildet einen nach vorn stark convexen Bogen, so dafs ihre äufseren Enden mit der letzten graden Querfalte zwischen und an dem hintersten Theile des zweiten Paares der wahren Backzähne zusammenstofsen. Die Behaarung des Körpers ist dicht und weich, vor der Brust und dem Halse etwas länger als an den übrigen Theilen, wo man sie eher kurz nennen kann; sie geht in einem breiten Saum auf die Seitenflughäute über, an der Bauchseite etwas weiter aber lichter als an der Rückenseite; ebenso setzt sie sich auf der obern Seite der Schenkelflughaut bis zur Durchbohrungsstelle des Schwanzes fort. Die Flughäute sind lang und schmal, schliefsen von Daumen nur das Mittelhandglied ein, und gehen nicht über das untere Ende des Unterschenkels herab; die Rückenseite der Halsflughaut ist leicht von kurzem wolligen Haar bedeckt, und auf den erhabenen Linien zwischen Arm und Schenkel lassen sich Reihen kurzer Härchen wahrnehmen. Der Oberarm hat die Länge des Kopfes; der Unterarm ragt neben dem Körper gelegt weit über die Spitze der Schnauze hervor, und ist länger als die Entfernung der Schnauzenspitze vom After. Die Mittelhand des Daumens ist ebenso lang wie das erste Glied desselben; die Haut vor dem Gelenke zwischen diesen Gliedern bildet eine kleine nackte Scheibe. Der zweite Finger erreicht lange nicht das Ende der Mittelhand des dritten Fingers, und diese ragt doppelt so weit über das Mittelhandglied des vierten Fingers wie dieses über dasselbe Glied des fünften Fingers hinaus. Die erste Phalanx des vierten und fünften Fingers ist doppelt so lang wie die zweite. Die Beine sind im Verhältnifs zur obern Extremität nur kurz, indem sowohl Ober- wie Unterschenkel kaum ein Drittheil so lang wie der Vorderarm sind. Die Füfse dagegen sind ziemlich lang, länger als die Hälfte des Unterschenkels: die Zehen ragen alle fast gleich weit vor, doch ist die äufsere und innere ein wenig

kürzer als die drei mittleren gleich langen. Die Krallen der Zehen sind etwas länger als die Daumenkrallen. Der Schwanz und die Spornen sind ungefahr so lang wie der Unterschenkel. Die Schenkelflughaut ist am Endrande schwach bogenförmig ausgeschnitten, wird ungefähr in ihrer Mitte oben vom Schwanzende, welches sich wie in eine Scheide zurückziehen kann, durchbohrt, und zeichnet sich durch zahlreiche Querfalten aus, welche an der Bauchseite mit weifsen Härchen bewimpert sind.

p. 53

Die Farbe des ganzen Thieres ist braun, rauchbraun, chocoladenbraun oder, wie in den meisten Fällen, dunkelrostbraun, an der Bauchseite etwas heller. Die einzelnen Haare sind auf der Rückenseite und dem Kopfe einfarbig braun bis auf den ganz kurzen weifslichen Grundtheil, die Bauchhaare haben aufser dem hellen Grundtheile auch noch ganz kurze blasse Spitzen. Die Flügel und Ohren sind von derselben braunen Farbe, aber etwas dunkler. Die Nägel sind bräunlich weifs.

Der Schädel (Tafel XIII. Fig. 18. 19) zeigt ganz die der Gattung *Emballonura* eigenthümliche Form und die Entwickclung der Processus zygomatici des Stirnbeins, wie wir sie auch bei den *Taphozous* wiederfinden. Zähne: $^{3\,2}/_{3\,2}{}^{1}/_{1}{}^{1\,1}/_{6}{}^{1}/_{1}{}^{2\,3}/_{2\,3}$ = 32. Bei mehr als hundert Exemplaren fand ich stets nur zwei obere Schneidezähne, und nach dem Bau der Zwischenkiefer zu urtheilen, ist auch nur für einen einzigen Zahn in jedem derselben Platz. Diese beiden Zähne stehen weit auseinander, mit den inneren lang ausgezogenen Spitzen convergirend. Die unteren sechs Vorderzähne stehen in der Richtung des Kieferrandes und sind dreilappig. Die oberen Eckzähne sind gekrümmt, sowohl vorn wie hinten mit einem deutlichen Absatz versehen. Gleich hinter ihnen liegt ein kleiner, rundlicher, einwurzeliger Lückenzahn, der nicht über den hinteren Absatz des Eckzahns herabragt, und an seiner Krone, genau betrachtet, dreispitzig ist. Hierauf folgt durch eine Lücke getrennt ein grofser zweiwurzeliger Lückenzahn, welcher in seiner Form der ersten Hälfte des daran stofsenden ersten wahren Backzahns entspricht. Dieser letztere ist nicht ganz so grofs wie der folgende vierte, welcher allein eine vollstandig W förmige Schmelzfalte besitzt, und daher aufsen drei, innen zwei Spitzen, und oben an seiner Basis noch zwei durch die Entwickelung des Cingulums gebildete Höcker zeigt. Der fünfte und letzte obere Backzahn ist nur halb so grofs wie der vierte. Die unteren Eckzähne sind von der Gestalt der oberen, aber beträchtlich kleiner. Der erste Lückenzahn des Unterkiefers ist einwurzelig, doppelt so grofs wie der entsprechende obere, mit niedriger, unregelmäfsig dreikantiger Spitze. Der zweite Lückenzahn ist zweiwurzelig, etwas länger und breiter, um das Doppelte höher, und von der Gestalt des Eckzahns. Die drei folgenden wahren Backzähne sind viel schmäler als die entsprechenden oberen, sämmtlich fünfspitzig mit nach innen offenstehender W förmiger Schmelzfalte.

Die Wirbelsäule wird von 39 Wirbelkörpern zusammengesetzt; hiervon sind 7 Halswirbel, 14 Rückenwirbel, 5 Lendenwirbel, 7 Kreuzbeinwirbel und 6 Schwanzwirbel. Mit dem Brustbein, welches nur am Manubrium gekielt erscheint, verbinden sich 8 Paar Rippen, die übrigen 6 Paare sind falsche. Der Unterschenkel zeigt eine vollständig entwickelte Fibula.

Die Zunge ist mit feinen schuppenartigen Papillen bedeckt, weiche nach der Mitte hin am Rande gestachelt erscheinen; an der Basis stehen gröfsere knopfförmige Papillen und zwei von einer ringförmingen Vertiefung umgebene Warzen. Der Oesophagus geht sogleich unter dem Zwerchfell in einen einfachen kleinen rundlichen Magen über, weicher durch eine schwache Pförtner-Einschnürung vom Darm abgesetzt ist. Dieser letztere ist anfangs ein wenig erweitert, und hat eine Länge von 150 Mm. Die Leber liegt mit ihrem gröfsten Theile

p. 54

in der linken Seite, und hat zwei Einschnitte; unter dem rechten liegt eine ziemlich grofse Gallenblase. Am Fundus des Magens liegt die Milz, ein schmaler, platter Körper von 10 Mm Länge. Die Nieren sind ungelappt, bohnenförmig, 6 Mm. lang und 4 Mm, breit. Die Harn bläse ist dick und musculös. Der Uterus geht in zwei lange Hörner aus. An den Seiten der Brust liegt ein einziges Paar von Zitzen; am Bauche ist keine Spur von zitzenähnlichen Vorsprüngen vorhanden. Die Ruthe des Männchens ist ganz weich, ohne Knorpel oder Knochen zu beiden Seiten vor den Schambeinen liegen die platten, rundlichen Hoden aufserhalb den Bauchhöhle. Der Schildknorpel des Kehlkopfs bildet einen schmalen Halbring, den man leicht mit dem Zungenbein verwechseln könnte, von dessen hinteren Enden ein kurzer obere Fortsatz zur Verbindung mit dem grofsen Horn des Zungenbeins, ein sehr langer unterer zu Verbindung mit dem Ringknorpel abgeht. Der Ringknorpel ist dagegen sehr lang, an seinen hintern Fläche mit einer sehr hohen Leiste versehen, mit welcher sich oben die Giefsbeckenknorpel verbinden. Die Luftröhre besteht bis zur Theilungsstelle aus 17 knorpligen Halbringen; ihr häutiger Theil bildet im ersten Drittel eine grofse spindelförmige Erweiterung. Die Lungen bestehen jederseits aus einem einzigen Lappen. Das Herz ist breit und abgerundet, 7 Mm. lang, 5 Mm. breit.

Ich fand diese erste africanische Art der Gattung *Emballonura* in dunkeln Kellerräumen in Tette. Sie lebt in grofsen Gesellschaften beisammen, in denen die Zahl der Männchen überwiegend zu sein scheint, indem ich unter hundert Exemplaren nur zwanzig Weibchen fund. Im Darm fand sich eine breiartige Masse mit Schalenrudimenten von Insecten vermischt.

Mafse in Millimetern.

Fem.; Mas.
Ganze Länge von der Schnauze bis zur Schwanzspitze: 80; 75
Flugweite: 310; 300
Länge des Kopfes: 22; 22
Entfernung des Auges von der Spitze der Schnauze: 8; 8
Länge des ganzen Ohres: 17; 17
Breite des Ohres: 12; 12
Länge des Tragus: 6; 6
Breite desselben: 2; 2
Länge des Oberarms: 27; $26^{1}/_{2}$
Länge des Unterarms: 50; 49
Länge des Daumens (Mittelh. $4^{1}/_{2}$, $4^{1}/_{2}$. 1.Gl. $4^{1}/_{2}$, $4^{1}/_{2}$. 2.Gl. $2^{1}/_{2}$, $2^{1}/_{2}$): $11^{1}/_{2}$; $11^{1}/_{2}$
Länge d. 2ten Fingers (Mittelh. 44, 41): 44; 41
Länge d. 3ten Fingers (Mittelh. 48, 41. 1.Gl. $16^{1}/_{2}$, 16. 2.Gl. $19^{1}/_{2}$, 19): 84, 79
Länge d. 4ten Fingers (Mittelh. 37, 35. 1.Gl. $12^{1}/_{2}$, $11^{3}/_{4}$. 2.Gl. $6^{1}/_{4}$, $5^{3}/_{4}$): $55^{3}/_{4}$; $52^{1}/_{2}$
Länge d. 5ten Fingers (Mittelh. $29^{1}/_{2}$, 29. 1.Gl. 13, $12^{1}/_{2}$. 2.Gl. 6, 5): $48^{1}/_{2}$; $46^{1}/_{2}$

p. 55

Länge des Oberschenkels: 16; 16
Länge des Unterschenkels: $15^1/_2$; $15^1/_2$
Länge des Fufses mit den Krallen: 11; 11
Länge des Schwanzes: 20; 17
Länge des Schenkelflughaut: 25; 25
Länge des Sporns: 16; 16
Länge des Schädels: 18; 18
Länge der ganzen Wirbelsäule: 55; 55

Emballonura monticola, Temminck, mit welcher diese Art in der Färbung und Gestalt die meiste Verwandtschaft hat, unterscheidet sich von ihr durch geringere Gröfse, so wie, nach der Temminckschen Abbildung zu urtheilen, durch gröfsere Länge des fünften Mittelhandgliedes, und durch die ziemlich gleiche Länge der Phalangen des vierten und fünften Fingers.

Eomops Thomas, 1905

p. 572

In 1900 Dr. Scharff described a bat from Benin under the name of *Mormopterus Whitleyi* and was good enough to transfer the typical specimen to the British Museum.

Later on Dr. W. J. Ansorge obtained on the Lower Niger two examples of the same bat, and in examining these I find that a mistake has inadvertently been made in the dental formula given, and that, instead of being a *Mormopterus*, this

p. 573

bat belongs to quite a different group, hitherto unknown in the Old World.

For it proves to have the characteristic incisors of *Molossus*, the upper pair being large, nearly filling up the space between the canines, and touching each other in the middle line. The lower ones are only two in number, not four as originally stated, and while appearing from the front to be of the normal shape - i.e., narrow, broadening upward, each with a deep central notch dividing it into two cusps, of which the inner is the higher - they are curiously deep antero-posteriorly, deeper than broad, their hinder part running back between the canines.

The premaxillary region of the palate is very completely ossified, in great contrast to all the members of the *Nyctinomus* group, the only remnant of the premaxillary notch being two minute foramina on each side of the middle line, between and opposite the centre of the canines.

The skull is smooth and rounded, not broadened and flattened across the muzzle as it is in *Myopterus*, nor specially crested as in *Molossus*. The base of the skull has a narrow median ridge between two well-defined sphenoid pits.

Under these circumstances it is clear that this bat cannot be referred to *Nyctinomus* or *Mormopterus*, but is more nearly allied to *Molossus, Myopterus*, and their allies. The peculiar shape of its lower incisors, however, and the detailed structure of its skull prevent its being referred to any one of the existing American genera, and I would therefore propose to erect for its reception a special genus, which might bear the name of *Eomops*.

It is also to be noted that, owing to the bad condition of his specimens, Dr. Scharff described the underside of *Eomops Whitleyi* as "of a light reddish-yellow colour"; but Dr. Ansorge's fresh examples show that this is pure white, as are also the wing-membranes above and below, the digits, and the underside of the interfemoral; the upper surface of the forearms, tibiæ, and interfemoral are pale whitish brown.

Ep[omophorus (Epomophorus)] büttikoferi Matschie, 1899

p. 45

1888. *Epomophorus gambianus* Jeutink, Not. Leyd. Mus. X. p.50. - 1888. Jentink, Cat, Syst. p. 137c.

Hab. Schieffelinsville, Junk River, Liberia.

Bei dem mir zu Gebote stehenden Material von *Epomophorus* variirt die Länge des Unterarms bei Exemplaren, deren letzter oberer Molar vollständig ausgebildet ist, nicht allzusehr. Die Männchen sind allerdings gewöhnlich grösser als die Weibchen, aber bei beiden Geschlechtern bleibt die Variation innerhalb von je 3 - 6 mm. Die alten Männchen von Angola erreichen eine Unterarm-Länge von 93 mm , die kleinsten ausgewachsenen Weibchen von dort haben einen Unterarm von 82 mm Länge. Die Angola-*Epomophorus* sind aber die grössten, welche ich aus der Gattung kenne. Der von Herrn Jentink erwähnte *Epomophorus* von Junk River in Liberia hat eine Unterarm-Länge von 101 mm, also 8 mm mehr als der grösste sonst bekannte *Epomophorus*.

Die Arten von *Epomophorus* s. str, bewohnen beschränkte Gebiete; es ist mir nicht gelungen nachzuweisen, dass zwei Formen dieser Gruppe neben einander in derselben Gegend leben. Wo man derartige Fälle in der Litteratur findet, da darf man stets an der Richtigkeit der Fundortsangabe oder der Bestimmung zweifeln.

Bei Bolama in Portugiesisch-Guinea lebt *Ep. macrocephalus*, an der Goldküste eine sehr ähnliche Form, die ich jetzt als *Ep. zechi* abtrenne. Von Liberia ist nur die von Jentink als *gambianus* bezeichnete Form bekannt. *Ep. gambianus* stammt aber aus den Sammlungen, welche Rendall vom Gambia heimbrachte und wird wahrscheinlich nördlich vom Gambia im Senegal-Gebiet erlangt worden sein. Es ist also von vorn herein sehr wahrscheinlich, dass in Sierra-Leone und Liberia eine neue Art von *Epomophorus* vorkommt. Jentink giebt die Unterarm-Länge für das eine der beiden im Leydener Museum befindlichen Stücke auf 101 mm an. Diagnose von *Epomophorus büttikoferi* Mtsch. Epomophorus, gambiano aff. sed multo major, radii longitudine 93 mm superante.

p. 46

Als Typus ist das von Stampfli gesammte M des Leydener Museums von Schieffelinsville am Junk River aufzufassen. Ich habe mir erlaubt, diese Art Herrn Direktor Dr. Büttikofer in Rotterdam zu widmen, durch welchen wir die Fauna von Liberia so gut kennen gelernt haben.

Das Original-Exemplar, ein sehr altes M mit schön entwickelten Schultertaschen hat nach Jentink folgende Maasse:
Unterarm: 101 mm
3. Finger, Metacarpale: 75.5
" " 1. Phalanx: 48
" " 2. " : 64.5
5. " Metacarpale: 73
" " 1. Phalanx: 35
" " 2. " : 35
Unterschenkel: 43
Auge bis zur Nasenspitze 30

Ep[omophorus (Epomophorus)] doriae Matschie, 1899

p. 54

- 1879. (?) *Ep. labiatus* Dobson, P.Z.S. p.716 - 717. - 1880. (?) Dobson, Rep. Brit. Ass. p. 2 - 3. - 1887. *Ep. labiatus* von Keren, Bogos, Monticelli, An. Mus. Civ. St. Nat. Genova, 2. ser, (V) p. 524.

Epomophorus doriae Mtsch, spec. nov, aff. *Ep. minor*, molaribus angustis, 1.5 mm latis, differt radii longitudine apud F 69.5 mm.

Ich verknüpfe mit diesem Flederhund den Namen des Herrn Marquis Doria, welchem unsere Sammlung so ausserordentlich grosse Förderung zu danken hat.

E. doriae unterscheidet sich von *Ep. labiatus* durch seine schmalen Backenzähne, welche nur 1.5 mm breit sind und durch die kurze Molarenreihe (9.2 mm); er unterscheidet sich von *minor* durch den längeren Unterarm (69.5 mm bei F) und durch die längere Schnauze (15.9 mm vom vordersten Punkte des Augenraudes neben dem Foramen infraorbitale bis zum Gnathion - gegen 14.1 bei einem *E. minor*-Weibchen).

Wie sich *Ep. doriae* zu *Ep. schoensis* verhält, vermag ich vorläufig nicht zu sagen. Von dem Kitimba-Flederhunde, mit welchem er in der Länge der Zahnreihe und der Gestalt der Molaren übereinstimmt, unterscheidet er sich durch die grössere Länge des Unterarmes und dadurch, dass bei *doriae* der erste untere Molar viel länger ist als der letzte Praemolar, während bei dem Kirimba-Fledefhund beide Zähne ungefähr gleich lang sind.

Hab. Küste des Rothen Meeres in der Erythraea.

Ich möchte vermuthen, dass die *Ep. labiatus* aus der Robb'schen Sammlung hierher gehören, ebenso wie die Exemplare von Bogos (Beccari) im Museum von Genua.

[B.M.] F Bogos, Gerrard.

Ep[omophorus (Epomophorus)] neumanni Matschie, 1899

p. 50

- 1876. *Ep. crypturus* Ptrs. Monatsb. Akad. Berlin p. 913. - 1878. Peters l.c. p. 195. - 1879. *Ep. labiatus* Peters l.c. p. 831.

Epomophorus neumanni Mtsch. spec, nov. alis concoloribus neque ad corpis latera albido tinctis, fasciis in plagiopatagio 23 31; radii longitudo 73 - 78 mm (F), 77 - 80 mm (M).

Hab. Küstengebiet von Britisch Ost-Afrika (Mombasa, Takaungu, Malindi) und Moschi am Kilima-Ndjaro.

Ep. neumanni, den ich Herrn Oscar Neumann widme. unterscheidet sich von allen andern Flederhunden der Untergattung *Epomophorus* mit Ausnahme von *Ep. wahlbergi* und *stuhlmanni* dadurch, dass auf dem Plagiopatagium mindestens 23 Stränge den Hauptstrang durchschneiden; junge Thiere zeigen weniger Stränge, aber immerhin über 20, während junge Exemplare der übrigen Arten höchstens 16 aufweisen. Von *Ep. wahlbergi* und *stuhlmanni* unterscheidet sich *Ep. neumanni* durch die weit

geringere Grösse, von *stuhlmanni* auch durch die gleichmässig braun gefarbten, an den Körperseiten nicht weisslichen Flughäute. Die Gaumeufalten sind ungefähr so, wie sie Dobson für *gambianus* abbildet. *Ep. neumanni* sieht

p. 51

Ep. zenkeri von Kamerun sehr ähnlich, ist aber kleiner und hat zahlreichere Stränge auf der Flughaut. '

[B.M.] 2 MM, 1 F Mombasa, Hildebrandt; M jun, Malindi, Fischer; F juv . Moschi am Kilima-Ndscharo, Oscar Neumann; M, F Takaungu, Thomas.

Ep[omophorus (Epomophorus)] stuhlmanni Matschie, 1899

p. 50

1878. *Ep. gambianus* von Dar es Salaam. Dobson l.c. p. 11. - 1890. (?) *Ep. minor* von Bagamoyo , Thomas , P.Z.S. p. 446. - 1891. *Ep. gambianus* Noack, Jahrb. Hamb. Wiss. Anst, IX. p. 57 - 58. - 1891. *Ep. minor* Noack, l.c. p. 58 - 59. - 1895 *Ep. gambianus* Matschie, Säugethiere Deutsch-Ost-Afrikas, p. 16 Fig. 7 (Kopf). - 1897. Matschie, Arch. Naturg. I. p. 83.

Hab. Küstengebiet von Deutsch-Ost-Afrika und Zanzibar.

Diese Abart hat ebenso wie *wahlbergi* und wie die von Mombas bekannten Flederhunde auf dem Plagiopatagium mehr als 23 Stränge, welche den Hauptstrang durchschneiden. Von *wahlbergi* und dem Mombas-Flederhund lässt sie sich leicht durch ihre gegen die Körperseiten weisslich überflogenen Flughäute unterscheiden; sie ist grösser als der Mombas-Flederhund, aber kleiner als *wahlbergi*. Ihre Diagnose könnte man in dem Satze zusammen fassen:

Epomophorus stuhlmanni Mtsch. spec. nov., alis ad corporis latera albido tinctis, fasciis in plagiopatagio 23 - 30; radii longitudo 85 - 87 mm (M), 80 - 81 mm (F).

In der Gaumenbildung steht diese Abart der Kamerun-Form sehr nahe und dem "gambianus" auf Dobson's Tafel. Noack's *Ep. minor* von Zanzibar sind junge *Ep. stuhlmanni*; ich möchte auch vermuthen, dass die *Ep. minor*, welche Oldf. Thomas von Bagamoyo aufführt, junge *ep. stuhlmanni* sind. Die grössten *Ep. minor* FF, welche ich kenne, haben einen Unterarm von 63 mm; bei den MM ist der Unterarm 64 - 68 mm lang; ganz junge *Ep. stuhlmann*i haben schon eine Unterarm-Länge von 68 - 69 mm.

Ich nenne diese Abart nach Herrn Regierungsrath Dr. Stuhlmann, dem ich den grösseren Theil der mir zur Verfügung stehenden Exemplare verdanke.

[B.M.] M pull., F ad, Ras Kisimkani auf Zanzibar, Stuhlmann; 2 MM Mojoni auf Zanzibar, O. Neumann; 2 FF pull., 3 FF, 1 M Dar es Salaam, Stuhlmann; M juv, Zanzibar, Wessel; 4 MM, 2 FF Vikindo in Usaramo, Stuhlmann; F Lindi, Füllehorn.

Ep[omophorus (Epomophorus)] zechi Matschie, 1899

p. 46

1853. *Pachysoma whitei* partim Temminck, Esqu. Zool. Côte de Guiné p. 65 - 68 (Beschreibung des F p. 67 und des jungen M p. 68). - 1878. *Ep. macrocephalus* partim Dobson l. c. p. 8 - 10, Taf. II. Fig. 2 (Gaumen mit Gebiss). - 1887. *Ep. macrocephalus* Jentink l. c. p. 251. - 1888. Jentink l. c. p.136. - 1893. Matschie, Sitzb. Ges. naturf. Fr. p. 256 - 257. - 1894. Matschie, Mitth. Geogr. Ges. Naturh. Mus. Lübeck, 2 ser. p. 133. 1897. partim Trouessart l. c. p. 88.

Hab. Accra, Goldküste (Jentink), Gross-Popo, Misahöhe in Togoland (B. M.), Lagos (B. M. und Stuttgarter Museum).

Epomophorus, *macrocephalo* affinis, differt alis laete brunneis, radii longitudine 85 - 87 mm (F), 88 - 90 mm (M); dorsi colore laete brunneo griseo.

Der *Epomophorus* von der Goldküste, von Togo und von Lagos ist bisher immer als *Ep. macrocephalus* aufgefasst worden, trotzdem *Ep. macrocephalus* M nur einen Unterarm von 86 mm hat und trotzdem seine Flughaut schwärzlichbraun angegeben wird. Der *Epomophorus* on Mittel-Guinea hat einen Unterarm von 85 - 87 (F) resp. 88 - 90. (M) mm und seine Flughaut ist hellbraun. Der Hauptstrang des Plagiopatagiums wird von 18 - 22 Strängen durchschnitten. Die Entfernung der Aussenkanten der letzten oberen Molaren von einander ist beim M wie bei *macrocephalus* M etwas länger als die Länge der oberen Molaren-Reihe (cf. die Abbildungen bei Barboza und Tomes) mit der Abbildung auf Taf. 10. Die Zahnreihe ist länger als die Hälfte der Entfernung der ersten von der 7. Gaumenfalte. Das Bild auf Taf. II. Fig. 2 des Dobson'schen Catalogs entspricht dem Bilde, welches der Gaumen eines F bietet. - Ich widme diese Art dem durch seine zoologischen Forschungen im Togolande verdienten Herrn Graf Zech.

Abbildung des Schädels eiues M von Lagos auf Taf. [10], Fig. 3 als *E. macrocephalus*. [B.M.] 3 MM Misahöhe und Kradji, Baummann; M pull. Gross-Popo, Bloess; 2 MM Lagos, Salmin; M, F, M juv., F juv. Accra, Reichnow, Unger und Pel.

Ep[omophorus (Epomophorus)] zenkeri Matschie, 1899

p. 46

1865. *Ep. gambianus* Peters, P.Z.S. 1865 p. 400. - 1878. *Ep. gambianus* Dobson l.c. p. 11 vom Gabun. - 1885. *Ep. gambianus* von Niam-Niam. Jentink, Not. Leyd. Mus., p. 35 - 1887. specim. b., Jentink l.c. p. 251. - 1888. specim. b., Jentink l.c. p. 137. - 1889. *Ep. macro-*

p. 47

cephalus und *gambianus* von Porto da Lenha und Netonna, Noack, Zool, Jahrb, IV. p.200 - 205, Taf. V. Fig. 50 - 58 (Schädel von M ad. und juv., Gaumen von M ad. und juv.). - 1889. *Ep. gambianus* vom Rio Cuillo, Pungo-Andongo, Ambacca; Barboza du Bocage, Jorn. Sc. Math. Phys. Nat. Lisboa, 2. ser. I. p. 14. - 1893. *Ep. gambianus* Matschie, Sitzb, Ges. naturf. Fr. Berlin p. 256 - 257. - 1896. E. de Pousargues, Ann. Sc. Nat. Zool. III. p. 251 - 253. - 1898. partim Barboza du Bocage, Jorn. Sc. Math. Phys. Nat. Lisboa, 2. ser. V. p. 136.

Hab. Vom Kamerun-Fluss nach Süden bis zum Cuanza, nach Osten his Niam-Niam, also Süd-Kamerun, Gabun, Loango, Congo und Loanda; im besonderen bekannt vom Kamerun-Delta (Reichenow), vom Gabun (Büttner, Dobson), von Porto da Lenha (Noack), von Tschintschoscho (Falkenstein), von Netonna
(Noack), von Malandje (von Mechow), von Pungo-Andongo, Ambacca, Quissango und vom Rio Cuillo (Barboza du Bocage), von Loanda (Peters), von Semmie in Niam-Niam (Jentink), von Franceville am oberen Ogowe (dc Pousargues).

Dass diese *Epomophorus* von Nieder-Guinea nicht zu *Ep. gambianus* gehören, mit welchen sie in der Gestalt der Gaumenfalten grosse Aehnlichkeit haben, lisst sich aus folgenden Betrachtungen schliessen:

Bei *Ep. gambianus* Ogilb. variirt nach Tomes (P.Z.S. 1860 p. 531) die Länge des Unterarmes zwischen 76.2 und 85 mm, bei den Exemplaren von Nieder-Guinea zwischen 79 und 85 mm; es haben also die FF aus Nieder-Guinea einen ungefähr so langen Unterarm wie die MM von *gambianus* Ogilb. Nach der Ogilby'schen Original-Beschreibung von *gambianus* soll die Körperlänge $6^3/_4$ Zoll = 171.4 mm, die Kopflänge von der Nase zur Ohrwurzel $1^3/_4$ Zoll = 44.45 mm und die Spannweite der Flügel 1 Fuss 8 Zoll = 508 mm betragen. Die Abbildung des Schädels (P.Z.S. 1861 Taf. I. Fig. 2) beweist, dass wir es mit einem alten Exemplar zu thun haben, dessen Molaren schon stark abgekaut sind. Die entsprechenden Maasse für ein altes M von Tschintschoscho und ein altes F von Malandje betragen: 138 mm; 44 mm; ca. 555 mm resp. 127 mm, 43 mm, ca. 525 mm. Wir erkennen hieraus, dass *Ep. gambianus* von den *Epomophorus* aus Nieder-Guinea verschieden sein muss.

Von *Ep. gambianus* würde sich die hier zu betrachtende Art, welche ich nach meinem Freunde G. Zenker, dem ausgezeichneten Sammler in Kamerun, benenne, durch folgende Diagnose unterscheiden:

Epomophorus comptus H. Allen, 1862

p. 158

Hair soft ; thick above, thinner below. Color on the back a delicate reddish fawn, becoming darker on the loins and base of arms. Under surface with a large ovoid patch of dirty white, bounded laterally by longitudinal fawn colored stripes. Face covered with short brown hairs. Small yellow tufts at base of ears. Chin whitish. Epaulettes faintly marked. Lips moderate.

Dental formula, m $^3/_5$, c $^1/_1$, i $^2/_4$, c $^1/_1$, m $^3/_5$ = 26.

The fur of this bat differs from that of any other of the genus to which it belongs in not being unicolored. That upon the back of the neck and shoulders possesses three well-defined hues - the base is of a dark brown, the middle of a paler hue, while the tip forms a delicate reddish brown. This, however, can only be seen where the hair is thickest. Lower down upon the back and on the belly the entire length of each individual hair is of one color. Everywhere the hair covering is soft and yielding. All that space beginning between the eyes and terminating at the middle of the back is of thick, fine, beautiful hair. The sides are much thinner and darker; they form a continuous line with that of the ulna, where it extends down upon the wing membrane some little distance. The continuation of the dorsal fur forms on the ventral surface of the interfemoral membrane a sparsely furnished patch, which goes to make the lower portion of the lateral fawn-colored bands. These latter are narrow inferiorly, wider superiorly, where they terminate gradually in the lighter hue of the cervical region. From the external side a prolongation is sent up along the line of the humerus and ulna to within an inch of the carpal joint; both

p. 159

above and below this line the membrane has upon it several points of short lanuginous hairs of a whitish color.

The customary clumps of hair at the base of the ears are present. The anterior spot is larger than the posterior.

The characteristic shoulder tufts are by no means conspicuous; they are composed of thin long hairs of a light color. The centres are quite naked and placed more upon the neck than is usual.

The skull is smaller than that of *E. gambianus* Ogil. The post-orbital processes are small but well defined; temporal fossæ not approximate. The intermaxillaries slight, terminating in a point, not abruptly, as in *E. gambianus*, and supports but two incisors. The latter occupy the centre of the inter-canine space, and are slightly separated from one another.*

The other teeth differ in no particular from those of *E. gambianus* except in their mode of articulation, in which the inferior incisors close in front to the superior, as already seen in Hypsignathus, the superior teeth, however, are not entirely hidden.

This species holds a position between *E. gambianus* Ogil. and *E. shoensis* Rüp. It differs from the former in the relative length of the nose, in the tricolored hair of back, and in the greater extent of the epigastric patch; from the latter in being much larger, and in the absence of the dark colored abdomen.

Dimensions.

Length of head and body: 6.0
" from snout to base of ears: 1.6
" " eye to snout: 0.8
" " anterior part of eye to ear: 0.8
Height of ears: 0.9
Breadth of ears: 0.6
Length from nose to wing membrane: 2.8
" of forearm: 3.0
" longest finger: 6.0
" fourth ": 4.8
" thumb and claws: 1.2
" basal joint: 0.3
" second joint: 0.8
" tibia: 1.6
" foot and claws: 0.8
Expanse of wing membrane: 18.0

Hab. Western Africa ; discovered by M. Duchaillu.

Epomophorus crypturus Peters, 1852

p. 26

Tafel V. Tafel XIII. Fig. 1 - 6.

E. colore corporis dilute umbrino, subtus pallidiori in cinereum migrante; patagiis umbrinis; ad basin auriculae utrinque macula alba.

Lonqitudo totalis 0,16, capitis 0,055, antibrachii 0,077; latitudo alar. expans. 0,5.

Habitatio: Africa orientalis, Tette, 17° Lat. Aust.

Der Kopf ist sehr grofs im Verhältnifs zum übrigen Körper, doppelt so lang wie breit, vor den Augen plötzlich verschmälert, so dafs die vorderen Augenwinkel nur halb so weit von einander entfernt stehen wie die hinteren. Der Abstand des Auges von der Schnauzenspitze ist viel gröfser als die Entfernung desselben vom Ohr. Die Pupille ist rund. Die Ohren sind elliptisch, an der Spitze abgerundet, ihr Rand ist ringsum saumartig verdickt, hinten schwach ausgeschnitten; an ihrer äufsern Fläche erheben sich neun bis zehn Querfalten, und der übrige Theil ist von netzförmig erhabenen Linien durchzogen; die innere Fläche ist sparsam behaart, die äufsere in ihrer obern Hälfte nackt, an der Basis aber, so wie an dem vordem und hintern Rande bis über die Hälfte hinauf ist die Behaarung lang und reich. Die Nase, welche über das Maul hinausragt, ist durch eine tiefe dreieckige Furche gespalten; die Nasenlöcher stehen seitlich und sind spiralförmig geschlitzt; die feingekörnte breite Nasenkuppe setzt sich, durch eine enge Längsspalte in der Mitte getrennt, bis zum Rande der Oberlippe fort; das vordere Ende der Unterlippe ist glatt und unbehaart. Die Entfernung der Nasen-

p. 27

löcher vom Rande der Oberlippe beträgt nur zwei Drittel von der Breite der zwischen ihnen Befindlichen Scheidewand. Die Maulöffnung reicht nicht ganz bis unter die Augen, und krümmt sich vorn in die Höhe. Der Körper, durch einen schmalen Hals vom Kopf abgesetzt, ist so kurz, dafs die Entfernung von dem obern Rande des Brustbeins bis zu dem After kaum die Länge des Kopfes erreicht; die Seitenflügel befestigen sich so an der Körperseite, dass sie in der Beckengegend nur halb so weit, 16 Millim., von einander entfernt stehen wie unter dem Oberarm. Das Schwanzrudiment liegt, in den langen Haaren versteckt, vor der Schenkelflughaut, an seiner Basis durch eine kleine Falle mit derselben verbunden. Tafel V. Fig. 3. Der Oberarm ist viel kürzer als der Kopf und etwas mehr als halb so lang wie der Vorderarm. Das erste Glied des Daumens, welches fast eben so lang ist, wie die drei Glieder des zweiten Fingers zusammen, wird beinahe zur Hälfte von der Flughaut eingehüllt. Der zweite Finger ragt mit seinem Nagel bis an das Ende vom Mittelhandknochen des dritten Fingers. Die erste Phalanx des dritten Fingers ist so lang wie das Mittelhandglied des zweiten Fingers; die zweite Phalanx desselben so lang wie sein eigenes Mittelhandglied. Die beiden Phalangen des vierten Fingers zusammen sind ein wenig länger, die des fünften Fingers ein wenig kürzer als ihre gleich langen Mittelhandglieder. Die Zehen sind an ihrer Basis bis zur Mitte ihres ersten Gliedes durch Häute mit einander verbunden. Die fünfte Zehe ist ein wenig kürzer als die drei mittleren gleich langen; die erste Zehe ragt mit ihrem ersten Gliede über das zweite Drittheil des zweiten Gliedes der folgenden hinaus. Die erste Zehe besteht aus zwei, die übrigen vier aus drei Gliedern; wol nur durch Unachtsamkeit sind in der Abbildung von *Epomophorus Whitei* (*Transact. Zool. Soc.* II. pl. 7) alle Zehen mit drei Gliedern gezeichnet. Die Körperflughaut setzt sich über den Fufsrücken bis zur Mitte des ersten Gliedes der zweiten Zehe fort. Die Schenkelflughaut ist schmal wie bei den schwanzlosen Pteropen, bogenförmig ausgeschnitten, an ihren Ecken durch einen schwachen Sporn sestützt, und endigt an der Basis des Mittelfufses. Die Krallen sind scharf und spitz, unten gefurcht; die Daumenkralle ist um ebenso viel gröfser als die Zehenkrallen, wie die letzteren die Kralle des zweiten Fingers überragen. Die Behaarung ist dicht und wollig, an der Rückenseite des Körpers länger als an der Bauchseite desselben, am Vorderhalse kragenartig verlängert, über der Schulter bei Männchen und Weibchen einen Wirbel bildend; sie geht an den Oberextremitäten über das zweite Fünftel des Vorderarms hinaus, an der Rückseite der Unterextremität bis nahe zur Fufswurzel,

an der vordem Seite derselben bis zur Mitte des Unterschenkels herab; sie dehnt sich an der Bauchseite weiter über die Flughaut aus, ist hier aber viel dünner als an der Rückseite derselben; die Schenkelflughaut wird bis auf ihre äufseren Winkel ganz durch die langen Haare verdeckt; die Rückseite der Flughaut ist aufserdem noch bis nahe zum fünften Finger hin mit zahlreichen Reihen kurzer Haarbüschel besetzt, welche nach der Fufsecke hin gedrängter und länger erscheinen. Die Zehen sind mit kurzen, steifen zerstreuten Haaren versehen. Aus den kurzen Gesichtshaaren springen zur Seite der Schnauze und über dem Auge schwache Schnurrhaare hervor.

p. 28

Die Farbe der Rückseite ist blafs umbrabraun, wie Milchkaffee, die Schultern, der Hals und die Bauchseite heller, die Mitte des Bauches ins Graue streifend; um die Augen herum und an den Seiten des Gesichts ist die Farbe gesättigtel; vor und hinter dem Ohr befindet sich ein grofser gelblichweifser Fleck. Die Iris ist bei jungen Thieren graubraun, bei den alten rothbraun. Die Nasenkuppe, Ohren und Flughäute sind ebenfalls umbrabraun aber etwas dunkler gefärbt. Die einzelnen Haare sind einfarbig, am Grunde etwas dunkler. Die Nägel sind von schwarzbrauner Farbe.

Der Schädel ist sehr niedrig, ohne Längsleiste; die Oberkiefer und Gaumenbeine sind sehr verlängert, so dafs der sehr kurze Processus postorbitalis weit hinter der Mitte des Schädels zu liegen kommt; die Breite des Schädels hinter dem Processus postorbitalis ist viel gröfser als vor demselben; der Jochbogen verläuft horizontal; der Infraorbitalcanal ist ein wirklicher Canal wie bei *Macroglossus*. Der Unterkiefer ist sehr niedrig, so dafs die gröfste Höhe fast drei Mal in der Länge desselben enthalten ist. An sieben Exemplaren verschiedene Alters besteht das Gebifs beständig aus $^{4}/_{4}$ Vorderzähnen, $^{1\,1}/_{1\,1}$ Eckzähnrnen, $^{3\,3}/_{5\,5}$ Backzähnen. Die oberen Vorderzähne sind conisch und nach hinten gekrümmt, die unteren dreilappig. Die oberen und unteren Eckzähne sind von gleicherhakenförmig gekrümmter Gestalt, and ihrer hintern Seite abgeflacht, die unteren um ein Drittel kleiner als die oberen. Die drei oberen Backzähnrn sind zweiwurzelig; die Krone des ersten ist eckzahnförmig, dreikantig, mit einer äufsern convexen, einer vordern innern graden, und einer hintern innern concaven Fläche versehen; der zweite besteht aus einer einfachen Schmelzlamelle, welche eine biscuitförmige Grube umschliefst, und aufsen einen starken, innen einen schwachen Zacken bildet; der dritte ist eben so lang wie der vorhergehende, aber viel niedriger, nur aufsen mit einem schwachen Zacken versehen. Im Unterkiefer folgt zunächst auf den Eckzahn ein kleiner einwurzeliger Lückenzahn mit kurzer conischer Spitze; darauf kommen drei zweiwurzelige Zähne, welche in ihrer Form den drei oberen Backzähnen entsprechen, aber etwas kleiner sind, und zuletzt ein kleiner zweiwurzeliger Höckerzahn, welcher nur halb so lang ist wie der vorhergehende. Die Wirbelsäule besteht aus 35 Wirbelkörpern, von denen 7 flache Halswirbel, 14 rippenttragende Rückenwirbel une 4 Lendenwirbel sind, die folgenden 7 bis zur Vereinigung der Sitzbeine als Kreuzbeinwirbel und die letzten 3 als Schwanzwirbel beträchtet werden können. Das Brustbein besteht aus 5 Stücken und trägt 7 Rippenpaare. Das Schlüsselbein ist bogenförmig gekrümmt. Das Oberarmbein ist so lang wie der Schädel, an seinem untern Ende undurchhohrt, und am Condylus externus durch ein Gelenkstück vergröfsert, welches den Streckmuskeln der Hand zum Ansatz dient. Die Ulna ist sehr dünn und mit dem Radius verwachsen; das Olecranon getrennt. Die Handwurzel besteht aus 7 Knochen, drei in der ersten, vier in der zweiten Reihe. Die Fibula ist unvollständig: die Zahl der Fufswurzelknochen ist 7; drei in der ersten, vier in zweiten Reihe; dann folgen fünf Mittelfufsknochen und endlich Phalangen, von denen man zwei an der ersten Zehe, drei an den vier übrigen zählt. Die Schleimhaut des Gaumens bildet 7 wulstige Querfalten, von denen die beiden

p. 29

letzten getheilt sind; ganz hinten befinden sich noch zwei flache Quervorsprünge mit gezähnelten Rändern. Die Lippen sind sehr breit wie bei den *Macroglossus* und an ihrer innern Seite durch gezackte Vorsprünge der Schleimhaut ausgezeichnet, welche besonders stark um Mundwinkel entwickelt sind. Die Zunge ist von hornigen rückwärts gerichteten Papillen bedeckt, die an der abgerundeten Zungenspitze fein, lanzettförmig, auf der Mitte ihres ersten Drittheils sehr grofs und dreispitzig, auf den übrigen Theilen platt und dachziegelförmig gestellt sind; an ihrer Basis stehen drei grofse warzenförmige flache Papillen. Der Oesophagus mündet in den 43 Millim. langen Magen, nur 7 Millim. vom Pförtner entfernt; der einfache Darm hat eine Länge von 960 Millim. Die Leber zerfällt durch zwei mehr oder weniger tiefgehende Einschnitte in drei Lappen; die längliche Gallenblase liegt unter dem rechten, oder zwischen diesem und dem mittlern Lappen. Die Milz ist 22 Millim. lang, 2 Millim. breit, und liegt hinter dem convexen Rande des Magens. Das Pancreas besteht in einer dünnen durchscheinenden Drüsenmasse, welche sich nur erkennen läfst, wenn man das Mesenterium gegen das Licht hält. Die Nieren sind zwei länglich abgerundete, 12 Millim. lange und 8 Millim. breite Körper, an deren oberen vorderen Enden die Nebennieren, kleine scheibenförmige Körper von 2 Millim, Durchmesser liegen. Die trächtigen Weibchen enthalten in jedem Horn des Uterus einen einzigen Fötus, der durch eine einfache Placenta ernährt wird. Die Brustwarzen sitzen am Rande des Brustmuskels auf, vor und unter der Achselgrube. Die Ruthe der Männchen besitzt weder knorpelige noch knöcherne Skelettheile; die Haut der Eichel ist in Längsfallen zusammengelegt. Das Zungenbein besteht aus einem sattelförmigen, unten breiteren Mittelstücke, mit dem jederseits unten das säbelförmige grofse Horn verbunden ist; oben setzen sich die kleinen Hörner an, welche aus zwei Gliedern bestehen, von denen das erste sehr klein, das zweite dagegen sehr grofs, auffallend breit und von lanzettförmiger Gestalt mit einem langen feinen Fortsatz versehen ist. Der Kehldeckel ist so lang wie breit, von rhomboidaler Gestalt, mit abgerundeten Ecken. Der Schildknorpel ist unten viel breiter ab oben, woselbst der Rand sich in eine mittlere Spitze verlängert. Die Luftröhre enthält bis zu ihrer Theilungsstelle 21 - 22 Halbringe. Die linke Lunge ist einlappig und vierzipflig, die rechte durch zwei bis drei tiefe Einschnitte in drei bis vier Lappen abgetheilt. Das Herz hat eine eiförmige Gestalt, eine Länge von 13, und an der Basis eine Breite von 10 Millimetern; die Spitze der linken Herzkammer ragt weit über die linke hervor; die Vorkammern stehen durch eine weite Oeffnung mit einander in Verbindung; das rechte Herzohr ist breiter und abgerundeter als das linke; der kurze Stamm der aufsteigenden Aorta theilt sich in zwei Trunci anonymi, von denen der linke etwas früher als der rechte in seine beiden Äste, die Carotis und Subclavia, zerfällt.

Diese Thiere leben, wie es scheint, ausschliefslich von Vegetabilien, da ich in ihrem Magen nie etwas andres als Ueherbleibsel und Kerne von Früchten vorfand.

Der einzige Ort, wo ich diese Art angetroffen habe, ist Tette, gegen 120 Meilen von der Küste und im 171° Südl, Br. gelegen. Die Eingebornen haben für diesen Flederhund zwei verschiedene Namen, *djæmea* und *demuanjundo*.

p. 30

Mafse in Millimetern.

Ausgewachsen Männch.; Trächt. Weibch.; Trächt. Weibch.; Junges Weibch.; Skelet Weibch

Ganze Länge von der Schnauze bis zur Mitte der Schenkelflughaut: 160; 155; 160; 120; -
Flugweite: 500; 530; 504; 480; -
Länge des Kopfes zwischen Schnauzenende und Hinterhaupt: 55; 50; 50; 44; 48
Breite des Kopfes an den Jochbogen: 23; 25; 26; 23; 24
Entfernung der hinteren Augenwinkel: 21; 20; 22; 20; -
Entfernung der vorderen Augenwinkel: 12; 11; 12; 11; -
Enfernung des Auges vom Ohr: 12; 11; 12; 10; -
Entfernung des Auges von der Mitte des Nasenendes: 23; 22; 18; 17; -
Länge des Ohres am vorderen Rande: 21; 21; 23; 17; -
Breite des Ohres: 14; 14; 15; 12; -
Länge des Oberarms: 50; 48; 50; 31; 48
Länge des Vorderarms; 77; 79; 78; 70; 78
Lg.1.F. (Mittelh.10,10,11,10. 1.Gl.18,16,18,16. 2.Gl. $6^1/_2$,6,6,6): 35; 32; 35; 32; 32
Lg.2.F. (Mittelh.36,39,40,33. 1.Gl.10,7,8,$^1/_2$. 2.Gl. 6, $4^1/_2$,6, 5, 3.Gl.$4^1/_2$,5,5,5): 57; 56; 59; 52; 56
Lg.3.F. (Mittelh.52,55,56,49. 1.Gl.37,37,38,32. 2.Gl.50,55,53,46): 142; 147; 148; 127; 147
Lg.4.F. (Mittelh.51,53,55,46. 1.Gl.26,25,$28^1/_2$,24. 2.Gl.29,$30^1/_2$,30,26): 116; 110; 111; 98; 114
Lg.5.F. (Mittelh.50,52,54,46. 1.Gl.25,24,26,23. 2.Gl.26,27,$26^1/_2$,24): 103; 105; 106; 95; 106
Länge des Oberschenkels: 19; 18; 18; 16; 19
Länge des Unterschenkels: 31; 31; 30; 27; 31
Länge des ganzen Fufses: 22; 22; 22; 21; $22^1/_2$
Länge der mittlern Zehen mit dem Nagel: 16; 15; 15; 15; 15
Länge des Sporns: $9^1/_2$; 8; 8; 6; -
Schenkelflughaut an der Mitte des Unterschenkels: 10; 10; 12; 9; -
Länge des Schwanzes: 5; 5; 5; 2; 5
Länge der ganzen Wirbelsäule: -; -; -; -; 90
Länge des Schlüsselbeins in grader Richtung: -; -; -; -; 20
Länge des Schulterblatts: -; -; -; -; 25
Breite des Schulterblatts: -; -; -; -; 8
Länge des Brustbeins: -; -; -; -; 2?
Breite des Brustbeins am Manubrium: -; -; -; -; 1?
Höhe des Beckens: -; -; -; -; 1?
Abstand der Schambeine: -; -; -; -; 1?

Diese Art steht dem *E. macrocephalus*, Ogilby (*Proceedinqs of the zool. society of London*. 1835. III. pag. 101) aufserordentlich nahe; letztere unterscheidet sich aber von ?? nach Ogilbys Beschreibung durch die sehr kurzen Flügel (1 Fufs 3 Zoll Engl.) und die schwärz-

p. 31

liche Farbe derselben, *E. gambianus*, Ogilby, besitzt nach Gray (*Magazine of zoology and botany*. 1838. II. pag 504) keine weifsen Haarbüschel an der Basis der Ohren, dagegen dergleichen über der Schulter. *E. Whitei*, Bennett (*Pteropus epomophorus*, Bennett; *Pteropus labiatus*, Temminck) ist durch die weifsen Büschel über den Schultern ausgezeichnet. *Pteropus schoënsis*, Rüppell, ist viel kleiner. *Pteropus Wahlbergii*, Sundevall, scheint nach der gegebenen Diagnose einen längeren Schwanz zu haben und vielleicht auch anderes Gebifs. Alle diese Arten sind jedoch sehr verwandt, und die Zahl derselben wird sich durch Untersuchung grofser Reihenfolgen wahrscheinlich noch vermindern. Das zoologische Museum hat ganz kürzlich ein ausgestopftes Exemplar von Herrn Temminck, aus Guinea durch Herrn Pel erhalten, welches keine weitere Unterscheidung von meiner Art aus Mossambique zuläfst, als dafs die Augen in der Mitte zwischen Ohr und Nasenende liegen

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Epomophorus Dobsonii Bocage, 1889

p. 1

Ressemble Beaucoup à l'*E. gambianus* par son aspect, par sa taille et par ses proportions: mais il a une tête plus courte, des oreilles plus étroites vers l'extrémité, à bord extérieur légèrement concave dans leur tiers supérieur, et des couleurs différentes: d'un brun-roux uniforme sur la tête et en dessus, sans aucun mélange de teintes jaunâtres, plus pâles en dessous et tirant au grisâtre sur le partie inférieure du ventre; les membranes alaires sont de la couleur du dos.

Il porte, comme l'*E. gambianus*, une petite touffe de poils blanchâtres à l'épaule et quelques poils de la même couleur de chaque côté de la base de l'oreille.

Les dimensions du mâle adulte, représentant unique de l'espèce en notre possession, sont à peu-près celles d'un mâle de la même taille de l'*E. gambianus* à 'l'exception de la tête, qui est un peu plus longue chez celui-ci. Nous remarquons cependant une particularité que nous ne pouvons passer sous silence, en attendant qu'elle soit confirmée par l'observation d'autres exemplaires: chez tous nos individus de l'*E. gambianus* la première phalange du 4^e doigt a à peu-près la moitié de la longueur du métacarpe correspondant, tandis que chez la nouvelle espèce elle est beaucoup plus longue (V. tableau).

Les plis du palais, dont s'est servi si avantageusement M. Dobson pour bien caractériser les différentes espèces d'*Epomophorus*, nous fournissent des caractères différentiels d'une importance décisive, qui ne permettent pas de confondre cette espèce avec aucune do ses congénères. Sous ce rapport elle s'écarte absolutment de toutes les espèces connues.

Il est difficie, ... , de faire bien saisir par une ... les description la disposition et ... Formes toutes spécilistes ... de ces plis; mais la figure qui accompagne le texte ... à nous faire mieux comprendre.

p. 2

Le palais de notre individu présente 5 plis distincts, derrière lesquels se trouvent encore quelques lignes onduleuses, plus ou moins saillantes, finement denticulées. Il y a d'abord un premier pli du palais pli derrière les canines, qui ressemble au premier pli du palais chez l'*E. gambianus*, mais il forme un angle plus saillant en arrière et porte au milieu une incision bien marquée. Après celui-ci, nous remarquons dans l'intervalle de la 1^{e} à la 2^{e} prémolaire un gros pli transversal droit, dont les extrémités se divisent en doux branches qui vont terminer respectivement sur chacune des deux dents pré-citées. Le troisième pli correspond, à la molaire et ressemble assez bien au cinquième pli de l'*E. gambianus*. Plus en arrière et après un intervalle plus grand, se trouvent deux plis, l'un derrière l'autre et plus rapprochés entre eux, qui n'ont pas d'équivalents, quant à la forme, chez les autres espèces du genre; ils sont aplatis, disposés horisontalement et à bords antérieurs libres; l'antérieur (4^{e} pli) a une petite incision au centre et chacune de ses moitiés représente un triangle dont le vertes porte en dessus une petite papille; le 5^{e} pli, placé à petite distance du 4^{e} et concentrique avec lui, a à peu-près la même forme, mais ses dimensions sont plus restreintes.

Les lignes finement dentelées qui complètent le dessin du palais se trouvent bien indiquées dans la figure 1.

Notre individu, un beau mâle adulte, nous a été envoyé récemment de *Quindumbo*, dans l'intérieur de Benguella, par notre zélé naturaliste M. d'Anchieta.

Le tableau ci-après montre les principales dimensions de notre exemplaire en regard de celles d'un individu du même sexe de l'*E. gambianus*, récueilli par M. d'Anchieta dans la même localité.

E. Dobsonii, M ad.; *E. gambianus*, M ad.
Tète et corps: 172 mm.; 176 mm.
Tête: 62; 65
De la narine à l'œil: 24; 30
De l'œil à l'oreille: 13; 13
Oreille: 25; 24
Avant-bras: 88; 91
Pollex: 35; 35
3^{e} doigt (met. 62, 1^{e} ph. 43, 2^{e} ph. 65) 170; (met. 65, 1^{e} ph. 41, 2^{e} ph. 59) 165
4^{e} doigt (met. 56, 1^{e} ph. 33, 2^{e} ph. 37) 126; (met. 62, 1^{e} ph. 30, 2^{e} ph. 34) 126
Jambe: 35; 36
Pied: 22; 23

Epomophorus franqueti Tomes, 1860

p. 54

(Pl. LXXV.)

If the species in the present monograph took rank according as they are more or less typical in form, the present one should appear as second, the *E. labiatus* probably as third, followed by *E. gambianus*, and the list should be completed by the smallest and least typical species - *E. schoënsis*. But the first and most typical species is succeeded by the one which was described at very nearly the same time, as being much better known than those which were to follow.

The present one is much the largest species, attaining an expanse of more than 2 feet, and has the same singular tufts of hair on the shoulders as are recorded of the first Species in the list - *E. macrocephalus*, but much more developed than in that species, and of a pale yellow colour. The only known specimen was forwarded to the French National Collection by Dr. Franquet of the French Imperial Navy, and from it I have, by the kind permission of M. Geoffrey St. Hilaire, taken the description which follows, and have had a carefully executed drawing made by M. Oudart, from which the illustrations accompanying the present paper have heen copied. Its country is the same as that of the Gorilla.

The head is not nearly so long and narrow relatively as that of *E. macrocephalus*, but more nearly resembles that of *E. gambianus*. The ears, as in the other species of the genus, are of medium size, oval, and a little narrowed towards the tips; they are furnished with small tufts of fine white hair at the base of their inner and outer margins, like those of all the other species here described. The lips, as far as can be ascertained from the inspection of a mounted specimen, are large, although perhaps not quite equal to those of some of the other species. The interfemoral membrane is rather more ample than is usual in the genus.

The fur extends considerably on to the membranes, above and below, as in *E. macrocephalus*, and it is similarly unicolour, and possesses the same soft cottony texture. That of all the upper parts is of a cinnamon-brown colour, brighter and deeper than in the other species; the under parts similar, but the patch of whitish on the abdomen, which is faint as in the others, here takes the form of a clearly-defined oval space of pure white, as much as $2^{1}/_{2}$ inches long.

The shoulder tufts are very much developed, and differ somewhat from those of *E. macrocephalus*. They occupy a space on the shoulder of as much as $1^{1}/_{2}$ inch in length, in a descending direction; the lower half of this space consists of fur, which is of the same length and texture as that of the surrounding parts, but is of a buffy-yellow colour; whilst the upper part, constituting the real shoulder tuft, is composed of long yellow hairs, which spring outwards, and then curve downwards, partially hiding the short yellow hair already mentioned. All this yellow fur, both long and short, has a clear and well-defined outline. All the membranes are of a darkish cinnamon-brown.

The cranium is much less elongated thain in either of the preceding species, and in its general proportions bear some resemblance to that

p. 55

of *Pachysome stramineum*, especially in the expansion of the zygomatic arches; but the teeth are of precisely similar number and relative proportion with each other, as in *E. macrocephalus*, although they generally are stouter than in that species. The lower jaw exhibits most unequivocally the peculiarities mentioned in detailing the generic characters. The dimensions of the cranium will be given with those of some of the other species, so as to afford a more direct means of comparison.

" ""
Length of the head and body: 7 3
------ of the head: 2 8
------ of the ears: 0 10
------ of the fore-arm: 3 9
------ of the longest finger: 7 3
------ of the fourth finger: 5 6
------ of the tibia: 1 6
------ of the foot and claws: 0 11
Expanse of wings, about: 30 0

Hab. Gaboon.

Epomophorus guineensis Bocage, 1898

p. 136

Epomophorus guineensis, n. sp.

E. gambianus? Bocage, *Jorn. Ac. Sc. Lisb*, 2.e serie, t. I, pp. 2 et 3, fig. 2, (le palais).

Un mâle adulte de *Bolama* (Barahona).

Cet individu nous parait distinct de l'*E. Gambianus*, par sa tête sensiblement plus allongée à museau plus étroit et surtout par le nombre et la disposition des plis du palais. Pour s'en assurer il suffit de comparer la figure ci contre à la figure de Dobson qui represente bien exactement les plis du palais de l'*E. gambianus*.

Epomophorus reii Aellen, 1950

p. 559

MATERIEL. - Le matériel faisant l'objet de cette note préliminaire a été récolté par la Mission scientifique suisse au Cameroun, en 1947. Il appartient au musée d'histoire naturelle de La Chaux-de-Fonds.

N° 1437, type: F adulte; Rei Bouba (région de Garoua, Cameroun), 13 septembre 1947.

1430, F jeune; même lieu, même date.
1438, M jeune (sur la femelle N° 1437).

DESCRIPTION. - *Epomophorus reii* est voisin de *E. gambianus* Ogilby et *E. angolensis* Gray. Les mesures externes correspondent aux mesures données pour *gambianus* par ANDERSEN et *angolensis* par MONARD, à part celles de quelques segments alaires.

Le crâne est moins allongé que dans *gambianus*: la largeur zygomatique mesure plus de la moitié de la longueur totale du crâne. La longueur du palais est 2 1/5 fois la largeur mesurée des bords externes des molaires supérieures (M1-M1); cette dernière mesure est plus grande que la longueur du palais postdentaire. Les diverses mesures sont comprises, pour la plupart, dans les limites que donne ANDERSEN pour *E. crypturus* Peters. Les plis du palais sont disposés nettement autrement que chez les autres espèces du genre: le 4e pli palatal est plus près du 3e que du 5e, mais la distance du 4e au 5e n'est pas le double de celle du 3e au 4e. Le 4e pli n'est pas entièrement devant une ligne allant des bords antérieurs de M1-M1: il est exactement entre les prémolaires postérieures (Pm4-Pm4) et M1-M1; son bord le plus avancé atteint le tiers de la longueur de Pm4. Le 5e pli est très en arrière de la rangée dentaire. Le 6e est derrière le milieu du palais post-dentaire.

p. 560

Le pelage n'a pas une coloration différente, dans ses traits essentiels, de celle des autres *Epomophorus*:

Faces supérieures: brun-roux, assez foncé vers l'arrière. Front plus clair. Touffes de poils blancs à la base des oreilles.

Côtés: joues et flancs comme le dessus, côté du cou nettement plus clair.

Faces inférieures: brun-jaunâtre clair. Poitrine comme les côtés du cou. Ventre blanc pur, tranchant nettement avec la couleur des flancs. Parties postgénitales de la couleur du dos.

Les poils de la gorge sont plus longs que le reste du pelage.

Les autres caractères sont ceux des espèces voisines.

COMPARAISON AVEC LES ESPECES VOISINES. *Epomophorus reii* diffère des autres espèces du genre par les caractères suivants (femelles):

de *crypturus* Peters.

Les mesures externes sont plus grandes, les mesures du crâne concordent à peu près. La distance du 3^{e} au 4^{e} pli palatal est plus petite que celle du 4^{e} au 5^{e}, alors que chez *crypturus* et *gambianus* elle est plus grande. Le 4^{e} pli est situé entre les dents Pm4-Pm4 et M1-M1 au lieu d'être à côté de M1-M1. La longueur du palars est 2 1/5 fois celle mesurée des bords externes de M1-M1 (2 fois chez *crypturus*). Le rapport C-M1 / M1-M1 est de 1.40 pour *reii* et 1.20 à 1.32

p. 561

pour *crypturus*. *Epomophorus crypturus* habite le Zambèze et la vallée du Limpopo.

De *gambianus* Ogilby.

Les mesures externes sont semblables. Les mesures du crâne sont plus fortes chez *gambianus*. Pour l'arrangement des plis du palais, voir les différences signalées avec *crypturus*. La largeur zygomatique mesure plus de la moitié de la longueur totale du crâne, alors que dans *gambianus* cette largeur est plus petite. Chez *gambianus*, la longueur du palais est 2 1/3 à 2 1/4 fois celle mesurée des bords externes des molaires M1; cette dernière mesure est plus petite que la longueur'du palais postdentaire, alors qu'elle est plus grande chez *reii*. Le rapport rostr / C-M1 est de 1.05 chez *reii* et de 1.14-1.17 chez *gambianus*. L'indice digital (rapport du 3^{e} doigt au 5^{e}) est de 1.36 chez *reii* et de 1.31 à 1.32 chez *gambianus*. L'aire de répartition de *Epomophorus gambianus* comprend la zone s'étendant du Sénégal au sud de l'Abyssinie par la Sierra Leone, la Côte de l'Or, le Togo et la Nigeria.

De *angolensis* Gray.

Les mesures externes correspondent en gros. Les mesures du crâne ne sont pas comparables, car les auteurs ne donnent pas de séries complètes de mensurations de crânes de femelles: les quelques chiffres indiqués par ANDERSEN et MONARD conviennent à *reii*. Le 4^{e} pli est à côté des prémolaires Pm4, chez *angolensis*, au lieu d'être entre Pm4 et M2. Le 5^{e} pli touche à une ligne joignant les dents M1, alors qu'il est très en arrière de la rangée dentaire chez *reii*. Le 6^{e} pli est au milieu du palais postdentaire et non en arrière du milieu comme dans *reii* ou *gambianus*. *Epomophorus angolensis* habite l'Angola et le Damara.

De *pousarguesi* Trouessart.

Les mesures externes et les mesures du crâne sont plus fortes chez *pousarguesi*, connu seulement par le type: une femelle. L'arrangement des plis palataux ne serait pas différent de celui des plis de *angolensis*. Comme chez *gambianus*, la largeur zygomatique est plus petite que la moitié de la longueur du crâne (elle est plus grande

p. 562

[table removed - eds.]

chez reii). Le rapport C-M1 / M1-M1 est de 1.34 (1.40 chez reii) et le rapport rortre / C-M1 1.11 (1.05 chez *reii*). L'indice digital est de 1,30. *Epomophorus pousarguesi* a été trouvé une seule fois dans le cours supérieur du Chari.

p. 563

Par l'arrangement de ses plis palataux, par ses rapports de diverses mesures crâniennes, notre espèce se montre intermédiaire entre *gambianus* (et *crypturus*) et *angolensis*.

La nouvelle espèce est dédiée à la ville de Rei, sur la rivière du même nom (affluent de la Bénoué); dans la région de Garoua (Cameroun).

Les moeurs ne sont malheureusement pas connues, les chauves-souris nous ayant été apportées par des indigènes.

Epomophorus veldkampii Jentink, 1888

p. 51

One specimen, Buluma, Fisherman Lake (Büttikofer and Sala).

It is of the size of *Epomophorus pusillus* and is very difficult to distinguish externally from this species, but the palate-ridges are so different from the peculiar V-shaped groove in *Ep. pusillus*, that it can never be confounded with this species. First palate-ridge undivided, straight, between the canines; second and third, undivided, semicircular, between, the first and second

premolars; the following ridges, five in number, are divided in their centre, they form semicircular lines, the portion near the central groove is thickened; the remaining ridges are represented by toothed lines.

Ears with a thickened dark-colored margin ; wing-membrane from the middle of the back of the first phalanx of the second toe; tail shorter than in *Ep. pusillus*.

Measurements of the type, an adult female, in alcohol (in mm):
Eye from tip of nostrils: 9.5
ear: 15
forearm: 50
thumb: 22
third finger, metacarpal: 38
" " , 1st phalanx: 22.5
" " , 2nd " : 33
fifth finger, metacarpal: 36
" " , 1st phalanx: 16

p. 52

fifth finger, 2nd phalanx: 16
tibia: 21.5

The color of the far is somewhat lighter tinged than in *Ep. pusillus*; distribution of fur like in that species.

I call this new species, *veldkampii*, as Biittikofer wishes to connect the name of one of his Liberian friends with this new acquisition. Mr. Veldkamp, at present Consul for the Netherlands; in Liberia, has helped our travellers as much as he could, has promoted their investigations in every way and finally assisted to Sala's funeral.

Epomops Gray, 1870

p. 126

Like *Epomophorus*, but head ovate. Skull ovate, broad. Face moderate, not nearly so long as the brain-case. Zygomatic arches convex. Cutting-teeth separate, far apart in the intercanine space. Grinders $^{4}/_{5}$, close together.

Epomophorus, sp., Tomes.

Eptesicus Rafinesque, 1820

p. 2

N.G EPTESICUS. Four acute fore-teeth to the upper jaw, in two equal pairs, separated by a great interval and a large flat wart, each pair has two unequal teeth, the outside tooth is much larger and unequally bifid, the outside one much larger, inside tooth small and entire. Six fore-teeth to the lower jaw, equal

p. 3

very small, close and truncate. Canine teeth very sharp, curved and long. Grinders unequally trifid. Snout plain, nose without appendages. Ears separated, auriculated. Tail mucronate. - This genus appears to differ from all those of Geoffroy and Cuvier, among the extensive tribe of Bats. The name means house-flyer.

Eptesicus ater J.A. Allen, 1917

p. 443

Type, No. 48988, M ad., skin and skull, Faradje, March 1, 1911; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No, 1466.

p. 444

Similar in general appearance to *E. tenuipinnis* but smaller, with black ears and foot, and wholly black above.

Pelage of upperparts brownish black to base of hairs, which are without light tips; below the hair of foreneck and upper chest brownish black tipped with whitish, rest of lower parts clear white, the hairs dusky at base; wing membranes white above and below; interfemoral membrane brownish white above, paler below; ears, feet, tail and limb bones dark brown, in strong contrast with the light-colored membranes. Size and general structure, including ears and tragus, as in *E. tenuipinnis*.

Collectors' measurements of type: Total length, 68 mm.; head and body, 39; tail, 29; foot, 6; ear, 12. Forearm (from skin), 27.5; in an adult male topotype, 27.9; in two subadult specimens from Niangara, M 27, F 25.

Skull, type, total length, 12,2; condylobasal length, 11.6; zygomatic breadth, 7.5; breadth of braincase, 6.6; interorbital breadth, 3.4; maxillar breadth, 5.2; breadth at basis of canines, 4; length of upper toothrow (c-m^3), 4; length of mandible, 8.4; angle to condyle, 1.5; depth at coronoid, 2.5.

Represented by 4 specimens: Faradje, 2 (type skin and skull and alcoholic topotype); Niangara, 2 (subadult. skins with skulls).

E. ater is nearly related to *E. tenuipinnis*, from which it differs in the much darker coloration of the pelage, the ears and feet blackish instead of pale yellow, and in slightly smaller size.

Eptesicus capensis angolensis J.Eric Hill, 1937

p. 1

TYPE. - No. 85535, Amer. Mus. Nat. Hist.; M adult, skin and skull; from Chitau, Angola. Secured by the Vernay Angola Expedition, Mr. H. Lang, collector, orig. no. 620, August 5, 1925.

The American Museum has a series of 18 from the type locality; there are two skulls, also topotypical, in the Carnegie Museum, Pittsburgh. Records of *E. capensis* in Angola, possibly referring to this race are Caconda and Huilla; Vila da Ponte. The more southern records may possibly concern *E. c. nkatiensis* Roberts.

GENERAL CHARACTERS. - A race of *Eptesicus capensis* with blackish wings and yellowish-brown body, the hairs above and below without dark bases.

COLORATION. - Upperparts darker than tawny olive, the bases of the hairs paler. Underparts slightly grayer than cinnamon-buff. Wing membranes and ears blackish, uropatagium slightly paler.

SKULL. - Braincase considerably higher than rostrum; the latter broad and short. Occipital height more than 65 per cent of mastoid breadth in adults.

DENTITION. - Medial upper incisor (I^2) deeply bifid; I^3 with small posterior cusp, only about one-third shorter than I^2. I_{1-3} placed in line with the margin of lower jaw. Other teeth about as in *E. minutus*.

p. 2

MEASUREMENTS.-Head and body, 56; tail, 34; hind foot, 10; ear, 12.5; forearm, 37.0; digit III, 34.1 X 12.9 X 12.0 X 6.8. Skull: greatest length, 14.2; basilar length, 11.6; palatilar length, 5.9; zygomatic breadth, 10.4 (approximate); interorbital breadth, 4.2; mastoid breadth, 8.5; outside breadth across M^2 - M^2, 6.9; height occiput, 5.8; maxillary alveoli, 5.4; crowns P^4- M^3, 4.3; width M^1, 1.5.

Eptesicus capensis nkatiensis Roberts, 1932

p. 16

A small form of about the same size as *E. c. gracilior* Thomas and Schwann, but altogether lighter coloured above (near clay colour or rather lighter) and below whiter, the hairs on the legs and tail pure white to the base, only the extreme base of the hair about the abdomen dark, but the white decreasing and the dark base of the hair increasing forwards to the chest and throat, the chin and cheeks like the back.

Type: T.M. No. 6549, adult F, Nkate, Northern Bechuanalard, 18th August, 1930, No. 999, Vernay-Lang Kalahari Expedition. Length of head and body 44, tail 36, hind foot (c.u.) 8, ear 14. Skull: canines to occiput 13.3, zygomatic width 8.7, width of brain case 7, width of palate across outside of m*super 2* 5.7, length of upper tooth row (c-m^3) 4.8, of mandible to condyle 10 mm.

Eptesicus faradjius J.A. Allen, 1917

p. 444

Type, No. 49045, F ad., skin and skull, Faradje, northeastern Belgian Congo, Feb. 21; 1911; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 1914.

Upperparts tawny olive, the hairs dusky at extreme base; underparts similar but much paler, the tips of the hairs light tawny on throat, breast and middle of belly, more fulvous on side and pubic region; ears pale brown; limb bones and interfemoral membrane light brown above, paler below; wing membranes pale yellow on both surfaces.

Collectors' measurements of type: Total length, 93; head and body, 59; tail, 39; foot, 8; ear, 11. Forearm (from skin), 33.

Collectors' measurements of ten topotypes (5 males, 5 females): Total length, M 88 (83-95), F 92.6 (90-96); head and body, M 51 (46-56), F 54.2 (52-56); tail, M 37 (35-38), F 39 (35-43); foot, M 8.4 (8-9), F 8.4 (8-9); ear, M 11.4 (11-12), F 11.4 (11-12). Forearm (same specimens), M 33.5 (32.5-35.6), F 34.9 (32.5-36.2).

Skull (type), total length, 13.8; condylobasal length, 13; zygomatic breadth, 8.8; breadth of braincase, 7; mastoid breadth, 8.2; interorbital breadth, 4; maxillar breadth, 6.1; breadth at base of canines, 4.0; upper toothrow (c-m^3), 4,0; length of mandible, 10.2; angle to condyles, 1.8; depth at coronoid, 3.2; lower toothrow, 5.3.

Skull, 9 topotypes (4 males, 5 females): Total length, M 13.5 (13.2-13.0), F 13.7 (13.4-13.7).

Represented by 24 specimens: 14 (topotypes) from Faradje, collected February 18-21, March 1-30, and August 2, 1911, and 10 from Niangara, collected November 16-December 26, 1910.

p. 445

The two series are indistinguishable in every respect. Each series, however, shows a considerable range of variation in color, some of it due to age but mainly purely individual, the fawn color of the upper parts varying greatly in tone in different specimens, independently of sex and age.

There is apparently a slight sexual difference in size, the females having the forearm averaging about 2 mm. longer than the males, and there is a corresponding but slighter average difference in the length of the skull.

Eptesicus faradjius appears to be related to *E. flavescens* (Seabra), but it is smaller than the latter and should be readily distinguishable from it by the deep fawn color of the upperparts (varying in different specimens from light yellowish to olivaceous and even to slightly rufescent in different specimens), combined with a forearm length of about 34 mm. as against 37 in *flavescens*. It is very different in coloration from *E. phasma*, with a large series of which it has been compared, and with which it closely agrees in size.

Eptesicus garambæ J.A. Allen, 1917

p. 445

Type (and only specimen), No. 49340, M ad. in alcohol, Garamba, March 14, 1912; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 1888.

Upperparts very dark brown, the hairs without appreciably lighter tips; underparts similar but slightly paler, the tips of the hairs faintly grayish; membranes naked, blackish with a very narrow whitish edging; inner surface lighter and, slightly grayish; lower surface of limb bones whitish, in strong contrast with the dark membranes; wing membranes from base of outer toe; last caudal vertebra free for half its length; proximal vertebræ slightly hairy.

p. 446

Total length, 77.6 mm.; head and body, 44.6; tail, 33; forearm, 33; third metacarpal, 31.3; tibia, 12,6; foot, 9.1; ear from crown, 7.7; from notch, 12; length of tragus, 5.8.

Skull, total length, 13.7; condylobasal length, 13.1; zygomatic breadth, (?); mastoid breadth, 7.6; interorbital breadth, 4.7; breadth of braincase, 6.7; maxillar breadth, 5.4; breadth at canines, 4; upper toothrow (c-m^3), 4.5; length of mamdible, 9.4; angle to condyle, 1.7; depth at coronoid, 3.4; lower toothrow, 4.8.

Eptesicus garambæ, in size and external characters, resembles *E. ugandæ* Hollister, from Ledgus, Uganda, but exceeds it considerably in size, and differs from it in the form of the tragus and other characters, the last caudal vertebæ extending half its length beyond the membrane instead of wholly enclosed within it as in *ugandæ*. The skull proves, on comparison with topotype skulls of *ugandæ*, to not only exceed it greatly in size, but is much broader and flatter, and the rostral portion much broader, the skull as whole much more massive and depressed.

Eptesicus hottentotus bensoni Roberts, 1946

p. 305

Differs from *E. h. hottentotus* (A. Smith, *S. Afr. Quart. J.* ser. 2, no. 1, pt. 2, p. 581; 1833: Uitenhage and Albany districts), which I have pointed out in *Samab* (III, no. 8, p. 238, Dec. 1944) is an earlier name than *E. megalurus* (Temminck, *Monogr. de Mamm.* II, p. 206, 1835-41: 'Interior of South Africa'), in its slightly darker colour and in its smaller skull. Probably Shortridge's '*Scotophilus angusticeps*' (*Ann. S. Afr. Mus.* XXXII, 282; 1938: Hex River Estate, Citrusdal, Cape Province) is also a synonym of *E. h. hottentotus*, as it was placed in the wrong genus, as I found to be the case upon examination of the type; and also a specimen from the Cape Peninsula, in the South African Museum, does not differ materially from it and both practically conform to the descriptions of the colour by Andrew Smith and Temminck. In 1941 I collected a series of specimens on Eronga Mountain, Omaruru District, South-west Africa, which agree very well with the type of Shortridge's *E. megalurus pallidior* (*Ann. S. Afr. Mus.* XXXVI, 37; 1942: Goodhouse on the Orange River), and, although this form has somewhat longer wings than the typical southern one (wing-span in five measured from Eronga Mountain 340 - 365, as against about 12 in. = 304 according to Andrew Smith and 308 - 322 according to Temminck for *hottentotus*), the length of forearm, tibia and foot (c.u.) and skull proportions are much the same in all of them, whereas they are less in this new Nyasaland form. In colour *E. h. bensoni* is near' tawny olive' for the terminal fourth, and blackish for the basal three-fourths of the hairs of all the upper parts, and below paler, the hairs being slightly tipped with whitish from chest to abdomen, with the pubic region and hairs along the margin of the wing membrane at the abdomen distinctly white. Both above and below a shade darker than the specimen from the Cape Peninsula. In the skull, which

is unfortunately lacking the occipital part, the width of the muzzle is less, and the length of tooth rows and mandible shorter, as will be seen upon comparison of the figures given hereunder. The measurements taken by the collector of the specimen in the flesh do not indicate much difference between it and those of the typical form and *pallidior*, except the hind foot is shorter, which is confirmed by the measurements of the tibia and foot (c.u.) taken from the dried skins. The forearm length is within the range of *hottentotus* and *pallidior*, but the digits conform more to those of the former.

Measurements of the type, with those of records and other measurements in brackets for comparison: Head and body 65 (of *hottentota* A. Smith 65, of *minuta* A. Smith 65, of *megalurus* Temminck, 'Pied du Roi' 2 in. 3 lines = 63 mm., of *angusticeps* Shortridge 77, 74, of *pallidior* Shortridge 74, of fourteen from Eronga Mountain 65 - 78); tail 57 (of *hottentota* A. Smith 50.6, of *minuta* A. Smith 50.6, of *megalurus* Temminck 56, of *angusticeps* Shortridge 58, 57, of *pallidior* Shortridge 48, of fourteen from Eronga Mountain 46 - 56); hind foot (c.u.) 8 (of *angusticeps* Shortridge 12, 11.5, of *pallidior* Shortridge 11, of fourteen from Eronga Mountain 9 - 11); ear 17 (of *megalurus*, according to Dobson, 15.5, no doubt shrunken in spirits, of *angusticeps* Shortridge 18, 17.5, of *pallidior* Shortridge 19, of fourteen

p. 306

from Eronga Mountain 15.5 - 20). Forearm 49.5 (of *minuta* A. Smith 1 in. 8 lines = 42 mm., obviously wrong when it had an expanse of wings of 12 in. (304 mm.), the same as he gave for *Scotophilus dinganii*, a bat of much the same size; of *megalurus* Temminck 1 in. 10 lines (' Pied du Roi') = 50 mm.; of *angusticeps* Shortridge 53 - I made it 51.5; of *pallidior* Shortridge 53.5; of fourteen from Eronga Mountain 48 - 52.5; the specimen from the Cape Peninsula 48). 3rd digit metacarpal 45 (type of *megalurus*, according to Dobson, 43, of the Cape Peninsula specimen 44.5, of the type of *angusticeps* 49, of the type of *pallidior* 52, of fourteen from Eronga Mountain 48 - 53); 4th digit metacarpal 44 (of the type of *megalurus* according to Dobson 39, of the type of *angusticeps* 47.5, of the type of *pallidior* 50.5, of fourteen from Eronga Mountain 46 - 53). Tibia and foot (c.u.) 27 (of *megalurus* according to Dobson 31.3, of *angusticeps* type 31, of *pallidior* type 29, of fourteen from Eronga Mountain 28 - 32). Skulls were not recorded by Andrew Smith, Temminck and Dobson; but I have measured the type skulls of *angusticeps* and *pallidior*, the specimen from Cape Peninsula and the fourteen from Eronga Mountain, and get the following figures: greatest length, *angusticeps* 21.3, Cape Peninsula 21.3, *pallidior* 20.7, Eronga Mountain 20 - 21.6; length from canines to condyles, *angusticeps* 19.2, Cape Peninsula 19, *pallidior* 18+ (incomplete), 14 Eronga Mountain 18.2 - 20.7; dorsal median length from frontals, *angusticeps* 18, Cape Peninsula 11.8, *pallidior* 17.7, 14 Eronga Mountain 17.5 - 18.5; zygomatic width, *angusticeps* 13.5, Cape Peninsula 13.7, pallidior 13.5, 14 Eronga Mountain 13.2 - 14.2; mastoid width, *angusticeps* 10.5, Cape Peninsula 9.5 (?), *pallidior* 10.5, 14 Eronga Mountain 10.2 - 11; width across molars, *bensoni* 8, *angusticeps* 9, Cape Peninsula 8.7, *pallidior* 8.3, 14 Eronga Mountain 8.1 - 8.8; width across upper canines, *angusticeps* 6.5, Cape Peninsula 6.9, *pallidior* 6.5, 14 Eronga Mountain 6.2 - 6.8, *bensoni* 5.8; upper c-m^3 series, *angusticeps* 7.5, Cape Peninsula 7.5, *pallidior* 7.5, 14 Eronga Mountain 7.2 - 7.7, *bensoni* 6.8; mandible length, *angusticeps* 15.5, Cape Peninsula 15, *pallidior* 14.6, 14 Eronga Mountain 14 - 15.6, *bensoni* 13.6; c-m_3 series, *angusticeps* 8.5, Cape Peninsula 8.5, *pallidior* 8.5, 14 Eronga Mountain 8.1 - 8.7, *bensoni* 7.3.

Type: T.M. No. 9167, 6, Ncheu, Nyasaland, collected and donated by Mr C. W. Benson.

Eptesicus hottentotus portavernus Schlitter and Aggundey, 1986

p. 173

Holotype: Adult male, skin and skull, Carnegie Museum of Natural History, No. 89000, from Hell's Gate Canyon (= Njorowa Gorge), 20 km S, 14 km W Naivasha, Naivasha Dist., Rift Valley Prov., Kenya (0° 54 S, 36° 19 E); obtained 30 September 1985 by Duane A. Schlitter, original no. 6906.

Paratype: Adult female, body in alcohol with skull removed, United States National Museum of Natural History no. 375919, from Njorowa Gorge, near Lake Naivasha, Rift Valley, 6400 feet, Kenya (0° 55 S, 36° 19 E); obtained 20 September 1965 by A.D. Forbes-Watson, original number, 20 ix/l.

Measurements: Selected external measurements of the holotype and paratype respectively are: Total length, 125, 112; length of tail, 54, 48: length of hind foot, 12, 10; length of ear from notch, 19, 16; length of forearm 49., 52.3; and weight, -, 15. Cranial measurements are listed in table 2.

Diagnosis: External and cranial size large, palate short, and braincase deep for species.

[tables removed - eds.]

Description: Skull large for species; braincase relatively deep; rostrum short, flattened, lacking pronounced cocavity in dorsal aspect; pterygoid region relatively narrow; inner upper incisor shallowly bifid in unworn paratype; outer upper incisor small and single cusped. Externally large for species; ear relatively small and with anterior margin nearly straight leading to rounded tip; tragus with notch at posterior base and posterior margin rounded to rounded tip; calcar keeled. Color of dorsal pelage of holotype medium fawn basally with light brown tips on hairs; ventral pelage dark brown basally with light tan tips. Color of dorsal surface of wing and interfemoral membranes medium brown with color lightening on uropatagium; ventral surface of wing membranes dark brown, lightening to fawn on propatagium. Ears same color as wing membranes.

Comparisons: *Eptesicus hottentotus portavernus* can be distinguished from the goegraphically adjacent subspecies *E. hottentotus bensoni* by the combination of large size of forearm and skull and short palate and deep braincase in the new subspecied. The

p. 173

new subspecies is paler in color than *E. h. bensoni*. From the nominate subspecies, the new subspecies can be separated by a deep braincase and short palate relative to overall similar size of the cranium, *E. h. portavernus* can be distinguished from *E. serotinus* from North Africa and Eurasia by the long and broad palate of the latter species. *E. platyops* differs from the new subspecies by being small in length of forearm and skull.

Remarks: In *E. serotinus* and *E. hottentotus* individual variation was found in the degree of the bifid condition of the inner upper incisors. This variation would render this character less certain as a distinguishing character for species of large serotines than was used by Hayman and Hill (1971: 42) to key *E. hottentotus* from *E. platyops* and *E. serotinus* in Africa.

Etymology. - This new subspecies is named after the English name of Hell's Gate which is commonly used for Njorowa Gorge.

Eptesicus megalurus pallidior Shortridge, 1942

p. 37

Specimens from Goodhouse.

A relatively large buff-coloured bat with cranial characters as in *Eptesicus*; agreeing with the type of *Eptesicus megalurus* in skull and skin dimensions, but not altogether in colour.

p. 38

General colour above and on sides of neck pale rufous-buff; under parts drabby buff-white: all hairs above and below ashy-slate at base. Ears dusky brown: membranes horn-brown, rather translucent.

These Goodhouse specimens agree with Temminck's description of *megalurus* in that the hair is long, smooth, silky, and bicoloured throughout; but in typical *megalurus* the hair in front of the neck and abdomen is described as "cedar-brown" as far as the tip; on the flanks "dove-coloured," and on the pubic region quite white from base to tip.

Type: an adult female (Coll. No. 1157): H. & b. 74, Tl. 48, Hf. (s.u.) 11, Ear 19 mm.

A weak flyer, coming out at late dusk, about half an hour after *Cistugo* and *Platymops*. Apparently not plentiful around Goodhouse, about half a dozen observed in all.

The specimens collected were shot whilst "planing" very slowly in wide circles around a cattle kraal, to which they were attracted by swarms of flies.

These bats have a wide and broad wing span and, owing to similarity in size, were at first mistaken in flight for *Scotophilus*.

Eptesicus melckorum Roberts, 1919

p 113

With the general characteres of *E. capensis* (A. Smith), but differing there from in its much longer tail and larger size; the tail measures 40-45 mm. as against only 30-34 mm. in *E. capensis*, the forearm 35.5-37 as against 32-36, and the skull 14.5-15 as against 14. In colouration the upper parts are externally "avellaneous" (Ridgway) with the base of the hair brown, and the under parts paler, tending to white, with the base of the hair darker brown.

Type, adult female, T. M. no. 2283, taken at Kersfontein, Berg River, Cape Province, 21st November, 1917. Also four more adults and a very young specimen captured at the same time in a loft.

Dimensions: Head and body 53, tail 40, hind foot (c.u.) 7, ear 15 mm. Forearm 37; pollex (c.u.) 5.5; 3rd digit, metacarpal 36, 1st phalanx 13.2, 2nd 12.8, 3rd 9.9; 4th digit, metacarpal 35, 1st phalanx 12.2; 5th digit, metacarpal 35.8, 1st phalanx 10.5. Tibia 14. Tragus (dry) on the outer margin 6.3, breadth 2.

Eptesicus phasma G.M. Allen, 1911

p. 327

Type. - Skin and skull, male, no. 8279, M.C.Z., collected August 6, 1909, on the Meru River, British East Africa, by Glover M. Allen.

General characters. - A small pallid species (forearm 34), with white membranes; possibly related to *E. tenuipinnis*.

Description. - Color of fur above from nose to root of tail pale dust color, between buff and cream-buff of Ridgway's Nomenclature (1886), slightly darker about the muzzle. Below, the hairs of the chin are buff to the bases paling on the throat to cream-buff and on the belly to pure white. The extreme bases of the hairs of the back, chest, and belly are dark slaty but those of the flanks ventrally are pure white throughout.

Wing membranes from the base of the first metacarpal, extremely thin and delicate; both interfemoral membrane and the wings are whitish throughout, the latter, however, becoming slightly clouded at their tips. Ears, forearms, feet, and tibia pale brownish. The hair of the body extends on to the dorsal side of the interfemoral membrane and on the base of the tail slightly beyond a line joining the knees. Calcar long and slender with a well-marked low and elongate lobe; the calcar does not terminate in a lobule. Tail vertebrae entirely included within the membrane.

Ears small, triangular, their apical margins nearly straight, narrowly rounded at the tips; a prominent basal lobe at nearly right angles to the long axis of the ear at its inner margin; externally the basal notch is well developed and marks off a low rounded basal lobe. Tragus short, of nearly equal breadth throughout, bluntly tapering at its apex; its inner margin straight, its outer margin with a slight notch about opposite the inner base, thus producing two minute lobes at this point. Muzzle with rather conspicuous glandular swellings.

Measurements. - The following measurements of the type were taken in the flesh: - total length, 94 mm.; tail, 40.5; hind foot, 6; ear, 11.5; tragus, 5; forearm, 34; tibia, 12.5; calcar, 14. Skull: greatest length, 13.5; basal length, 10.5; palatal length, 5.4; interorbital constriction, 3.8; zygomatic width, 9; mastoid width, 7.8; upper cheek teeth, front of canine to back of m^3, 4.8; lower cheek teeth, 5.2; mandible, 10.

Skull. - The skull is rather broad, with the anterior edges of the orbits conspicuously ridged so as to produce a rather squarish rostrum, tipper incisors directed sharply inward; the inner is simple, about twice the length of the outer; outer incisor with a conspicuous cingu-

p. 328

lum cusp externally. The two teeth are placed in a line nearly at right angles to the long axis of the skull. Canine with an anterointernal cingulum cusp. Crowns of the lower incisors trifid, slightly overlapping; first lower premolar about three fourths the length of the second.

Remarks. - This white-winged bat does not seem referable to any of the described species. It is possibly related to *E. tenuipinnis* of West Africa, but is larger, paler, the tail is entirely included in the membrane, and the tragus has two minute pointed lobules. It is equally distinct from *E. rendalli* (Thomas) from Gambia, which also has white membranes. The latter has large hind-foot pads, the calcar ends in a projecting point, and there is a penis bone present, which *E. phasma* does not have. The upper incisors are also different, being provided with two cusps in *rendalli*.

This bat was first noticed on the Guaso Nyiro at its junction with the stream from Meru, in the arid country to the northwest of Mt. Kenia. Here it was seen but once, when at dusk a single individual, conspicuous for its white coloration, was observed flying about over the river in company with numbers of small dark bats, probably *E. minutus somalicus*. A few miles farther up the Meru River (above the ivory-nut palm region) it was much commoner. At our camp by the side of this small stream numbers were observed and several were shot in the early evening as they flew past following the course of the rivulet, which here flows through a sun-baked plain with few trees except along the water course. Its flight is very steady, direct and rather slow, so that it was easily shot. In the gathering dusk, however, the white wing membranes were almost invisible against the sky, thus producing a curious ghostly effect, as only the body and forearms could be clearly seen.

Eptesicus rectitragus Wettstein, 1916

p. 191

Am ähnlichsten *E. pumilus* (Gray), aber kleiner, mit anders geformtem Tragus. Tragusform und Größe ähnlich der von *E. bicolor* (Bocage). Die kleinste bis jetzt bekannte Art dieses Genus. Kopf und Rücken dunkelbraun, "raw umber", seidig glänzend. Das einzelne Haar tief schwarzbraun mit "wood brown" gefärbter Spitze. Unterseite tief schwarzbraun, alle Haare mit lichten Spitzen. Jene auf Kinn und Kuhle mit licht bräunlichen auf der Brust mit grauweißen und am Bauche mit reinweißen Spitzen. Postcalcanallobe klein, gestreckt; Interfemoralmembran unterseits weißlichbraun, beginnt am Fußgelenk. Ohr reicht angelegt bis zur Schnauzenspitze. Tragus lang, schmal und fast gerade, oben viel weniger stumpf wie bei anderen Arten abgterundet. Seine größte Breite lieft in der Höhe der Basis des Innenrandes und beträgt 1.4 mm. Innenrand gerade, Außenrand an der Stelle der größten Breite schwach konvex. Lg. v. Kopf und Körper 35.5, Schwanzlg. 28.5, Unterarm 27, Ohrhöhe 10, Tragus 4 x 1.5 mm.

Typus: 1 M junior, Dilling, Südkordofan, 20.III.1914.

Eptesicus somalicus malagasyensis Peterson, Eger and Mitchell, 1995

p. 100

Holotype: ROM 42713, peau et crâne de femelle adulte de Maninday, 220 km au N.-E. de Tuléar [sous-préfecture de Sakaraha, sur la route nationale 7], 22°47'S, 44°43'E (13.V.1967).

Diagnose. - Petite forme proche de *E. somalicus* d'Afrique Orientale, à fourrure dorsale longue (environ 7 mm), assez dense, fortement bicolore: brun sombre à la base et Brun Bruxelles sur environ les trois cm apicaux, l'ensemble ayant une couleur uniforme et un aspect doux. Pelage ventral fortement bicolore, les 2/3 basilaires sombres et le tiers apical d'une valeur comprise entre l'Argile et l'Olive ou le Brun Cuir. Oreilles translucides et brun moyen. Queue relativement courte. Calcar à forte carène.

Crâne à rostre relativement long et aplani dorsalement à la jonction avec

p. 101

une boîte crânienne basse, faiblement arquée et un peu aplatie, comme chez *E. s. somalicus* (fig. 49). Mesures, *cf.* tableau 17.

Comparé à *E. s. somalicus* d'Afrique Orientale (Soudan, Ouganda et Nord du Kénya) l'holotype a un pelage un peu plus foncé sur le dos. Le pelage ventral est plus foncé (plus chamois, moins grisâtre) et n'est pas pâle ou blanchâtre dans la région pelvienne. Toutes les mesures se situent à l'intérieur de la gamme de mesures de *E. s. somalicus* sauf les largeurs zygomatique et crâniale qui sont un peu plus fortes.

Comparé à *E. matroka*, la tête et le pied sont plus courts, le pelage dorsal est plus pâle et plus nettement bicolore, le pelage ventral plus pâle, la portion apicale pâle est plus étendue. Oreilles plus pâles et plus translucides. Crâne à rostre plus étroit, région supra-orbitale moins renflée; boîte crânienne relativement plus longue, plus aplatie, moins arquée en profil dorsal et moins sphérique (*cf.* fig. 51 et tableau 18).

Comparé à *E. capensis* du Zimbabwe, la fourrure est plus longue et plus foncée, avec le ventre seulement un peu plus clair que le dos, au lieu d'être brun grisâtre pâle en dessus et d'avoir la partie terminale des poils ventraux blanc à chamois pâle. Crâne plus court; boîte crânienne plus profonde, plus arrondie, et légèrement arquée derrière le rostre, sans cimier postérieur, au lieu d'être entièrement plate dorsalement et se terminant par un cimier postérieur.

Comparé à *E. zuluensis*, la fourrure est plus courte, plus serrée et plus lisse et non longue et lâche; bourre brun foncé et non noirâtre. Partie terminale des poils du dos Brun Bruxelles et non Olive-Brun; celle des poils ventraux Olive-Brun et non blanchâtre, gris clair ou chamois ocre très pâle. Calcar à carène plus marquée. Crâne plus grand, à boîte crânienne plus large, moins bulbeuse et moins relevée; rostre plus long.

Distribution. - Connue seulement par l'holotype, cette sous-espèce est, peut-être, localisée à la partie sub-aride du Sud-Ouest malgache. C'est la seule espèce d'*Eptesicus* connue de la région sub-aride.

Variabilité systématique. - La parenté avec *E. somalicus* demandera à être précisée sur un matériel plus abondant. Comme le tableau 18 le montre,

p. 102

les sexes sont très dimorphes chez *E. matroka*, comme ils le sont chez *E. s. somalicus*, les femelles étant, en moyenne, beaucoup plus grandes, pour la plupart des caractères.

Biologie. - L'holotype a été pris au filet au-dessus d'un ruisseau bordé de Pahniers, dans une savane ouverte. Cette sous-espèce semble, comme *E. s. somalicus*, occuper un milieu plus ouvert et plus sec que ne le font la plupart

[table removed - eds.]

p. 104

des autres petits *Eptesicus* qui paraissent. comme *E. matroka* à Madagascar, rechercher plutôt des stations boisées et plus humides.

L'holotype femelle était bien gras et ne montrait pas trace d'activité reproductrice (ni gravide, ni en lactation).

Remarques. - Comme nous l'avons dit plus haut, la validité de *Vesperus humbloti* A. Milne Edwards, 1881, ne peut être établie. Aucun holotype ne semble plus exister et la description originale n'établit de comparaison qu'avec *V. minutus*, autre nom qui ne répond à aucune description satisfaisante. *V. humbloti* est dit plus grand que *V. minutus*, avec les vertèbres caudales inférieures enfermées dans la membrane interfémorale. Une telle description peut s'appliquer à de nombreuses espèces mais ne correspond pas à un taxon particulier.

Eptesicus ugandæ Hollister, 1916

p. 3

Type from Ledgus, Uganda. United States National Museum No. 166520, adult female in alcohol (skull removed). Collected February 15, 1910, by J. Alden Loring. Orig. No. 9022.

Description. - A small brown species related to *Eptesicus capensis somalicus* (Thomas), but with larger, flatter skull. Ears broad, somewhat evenly triangular, with rounded tip; when laid forward reaching to tip of muzzle. Tragus comparatively long, broadest at center, the tip bluntly rounded and not turned forward; inner side nearly straight for two-thirds its length; outer side evenly convex from tip to opposite anterior notch, where there is a small sharp lobe, beneath which is a sharply concave margin and a larger triangular basal lobe, immediately above the outer notch. Wing from base of toes; tail vertebræ entirely within the interfemoral membrane, but a small fleshy tip extending very slightly beyond; postcalcaneal lobe comparatively small, sharply emarginate anteriorly and evenly sloping posteriorly. Hair extending only slightly on to wings but thinly covering the interfemoral membrane to line of ankles and, along tail, to slightly beyond. Color (from alcoholic specimens) apparently much as in *somalicus* but somewhat darker throughout; wings dark grayish brown, faintly-lined along posterior edges with buffy; interfemoral membrane slightly lighter than wings. Skull decidedly larger than in *somalicus* (as represented by specimens from the Northern Guaso Nyiro) with relatively and actually broader rostrum and braincase, and relatively much lower sinciput. Upper inner incisors broad and heavy, distinctly bifurcate at tip (except in a much worn specimen); outer upper incisors small, barely reaching beyond

cingulum of inner incisors. Lower incisors all trifid, considerably crowded in the row. Cheek teeth essentially as in *somalicus* but slightly more robust.

Measurements. - Type: Forearm, 29.6 mm.; outer height ear, 12.3; greatest breadth ear, 8.1; tragus from outer notch, 5.4; third finger metacarpal, 26.8; first phalanx, 10.3; fourth finger metacarpal, 27.7; first phalanx, 9.2; fifth finger metacarpal, 28.1; first phalanx, 7.3; tibia and foot, including claws, 16. Skull: Greatest length, 12.8; condylobasal length, 11.8; breadth of braincase, 6.8; depth of braincase, 4.6; mastoid breadth, 7.3; postorbital constriction, 3.5; mandible, 8.8. Teeth: Upper maxillary row, 4.3; breadth across upper canines, 3.9; entire lower row, 5.8.

Remarks. - In addition to other characters, this species may readily be separated from the other small forms of *Eptesicus* known in East

p. 4

Africa by its dark-colored wing membranes [distinguishing from *tenuipinnis, rendalli*, and *phasma*], short outer upper incisors [distinguishing from *grandidieri*], large, flattened skull, and distinctly bifurcate inner upper incisors [distinguishing from *somalicus*]. In addition to the type there are two topotypes and three other specimens from Gondokoro in the collection.

Eptesicus zuluensis Roberts, 1924

p. 60

Eptesicus zuluensis spec. nov. (text-fig. I).
In external appearance very similar to *Eptesicus capensis* taken in the same place, but with a rather longer tail, and the skull smaller and deeper in the cranium even when compared with *E. capensis gracilior* Thomas and Schwann (from Eshowe, Zululand). In its deep cranium it somewhat resembles *Glischropus nanus* (Peters), but differs therefrom in the absence of the small upper premolar and in dimensions of both body and skull. In the size of the skull it is about the same as in *Pipistrellus kuhli fuscatus* Thomas, but differs from this also in the number of teeth, narrower muzzle and deeper cranium. It is altogether an interesting animal, whose affinity to our known species is not at all clear, the longer tail seeming to point to its affinity to the longer tailed

-Fig 1 [removed]-
-Fig 2 [removed]-
species *E. smithi* Wagner (Schreber, *Sauget. Suppl.* v, p. 747, footnote) and *E. melckorum* Roberts (*Ann. Transvaal Mus.* vi, p. 113), but for the skull being quite differently shaped. The following table of dimensions will serve for comparison of the type specimen with the dimensions given for the type of *gracilior*, of another specimen of the same form from Mokeetsi (N .E. Transvaal), and a series of *E. capensis* from a wide range of localities, including the type locality of zuluensis:
Type of *zulensis*; Type of *gracilor*; Mokeetsi specimen; Series of *capensis*
Head and body: 45; 47; 44; 49-55
Tail: 37; 28; 30; 30-34
Forearm: 30.5; 29; 30.3; 32-35
Canines to occiput: 12.8; 13.2; 13.2; 13.7-14.5
Basilar skull length: 9.5; 10.1; 10; 10.4-10.8
Mastoid width: 7.5; 7.6; 7.8; 7.6-8
Width across M2: 5.1; -; 5.6; 5.6-6.2
Palate length: 4.6; -; 5.5; 5.3-5.5
Upper tooth row (canine to M3): 4.4; -; 4.7; 4.7-5.
Lower tooth row: 4.9; 5.1; 5; 5-5.5
Posterior height at bullae: 6.1; -; 5.3; 5.3-5.8
The slightly raised cranium is the most marked character of the species, all members of the *Eptesicus capensis* group having the cranium on a level with the muzzle.
Type: Adult female, T.M. No. 3024, taken in the White Umfolosi Game Reserve, on June 29th, 1922. It was shot in the evening while flitting past

p. 61
my camp. A specimen of the typical *E. capensis* (text-fig. 2) was taken in an aloe at the same place, and has rather shorter hair, whereas another specimen of *capensis* taken on higher ground at Ntambanana has the hair and same external appearance, even to the shape of the ears, as the type of *zuluensis*.

Glauconycteris alboguttatus J.A. Allen, 1917

p. 449

Text Fig. 7, B

Type, No. 49317 (and only specimen) adult female in alcohol, Medje, March 14, 1914; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 2351.

Upperparts seal brown; underparts slightly paler. A patch of lengthened pure white hairs on each shoulder at base of humerus, about 8 mm. long by 5 mm. in width, separated for about 10 mm. by dark fur from a second patch of white hairs of similar extent but the area longer and narrower. They are symmetrical on both shoulders and conspicuous when the fur is floated out in clear

alcohol. Muzzle, chin and sides of face nearly naked and whitish. Propatagium and outer border of wing whitish; forearm and phalangeal bones light brown above and nearly white below. Ears blackish externally, whitish internally. Membranes and feet blackish brown, interfomoral lighter below than above.

p. 450

Total length, 94; head and body, 52; tail, 42; forearm, 41,5; third metacarpal, 38.6; thumb, 5.6; tibia, 18.3; foot, 8; calcar, 11; ear from crown, 7; from notch, 13; tragus, 5 mm. high by 2.5 in greatest width, broad lunate, with a small angular lobe at posterior base.

Skull, total length, 13.2; condylobasal length, 13; zygomatic breadth, 10; breadth of braincase, 7.4; interorbital breadth, 4.8; maxillar breadth, 6.5; breadth at base of canines, 4.8; upper toothrow (c-m^3), 4,5; length of mandible, 9.5; angle to condyle, 2; depth at coronoid, 2.9; toothrow (c-m_3), 5.2.

Similar to *Glauconycteris humeralis* but larger (the forearm 4 mm. longer and the skull fully one half larger in volume), and with two clear white spots on the shoulder (one behind the other) instead of one, and a very much broader tragus. In size it is similar to *G. congicus* (Noack) but differs from it widely in coloration.

Glauconycteris beatrix Thomas, 1901

p. 256

A small blackish species of the group with brown unicolor wings.

Size rather less than in *G. poensis*. General colour above and below uniform blackish brown without lighter markings; wings and interfemoral membranes uniformly brown throughout. Muzzle broad and tumid; lobes at corner of mouth well developed. Inner margins of ears extremely convex forwards, forming, from the rounded basal lobe to the tip, approximately the half of a circle; tip scarcely perceptible; outer margin straight above, then convex, with a well-marked angular antitragal lobe.

Tragus short, fairly broad, its inner margin straight, its tip rounded, its outer margin evenly convex, with a well-marked basal lobule.

Wings to the base of the toes. No postcalcareal lobule. Tail included in membrane to its extreme tip.

Skull, as compared with that of *G. poensis*, smaller, more delicately built, and with a narrower muzzle.

Inner uppder incisors with the secondary cusp longer and more widely separated from the main one than in *G. poensis*; outer incisor fairly large, pressed against the canines behind, and reaching vertically about half the height of the secondary cusp of i^1; in transverse section it appears to be about half the area of the same tooth. In *G. poensis* it is shorter, smaller in area, and is separated on each side from the canine. Lower incisors bifid, slightly overlapping. Anterior lower premolar with a long well-defined main cusp half the height of the posterior premolar.

Dimensions of the type (measured in spirit): -

Head and body 45; tail 43; ear 10; tragus on inner edge 3; middle finger, metacarpal 38, first phalanx 13.5, second phalanx 23; lower leg 19.5; hind foot (c. u.) 7.5; calcar 13.

Skull: occiput to gnathion 11.1; interorbital breadth 4.2; breadth across brain-case 7; front of canine to back of m^3 4.2.

Hab. Benito River, French Congo, fifteen miles from mouth.

Type. Female. B.M. no. 98.5.4.19. Collected January, 1898, by Mr. G. L. Bates.

The only near ally of this species appears to be *G. poensis*, and from that it is readily distinguishable by its smaller size,

p. 257

darker colour, and the dental and cranial characters above described. *G. congicus*, Noack, is probably synonymous with *G. poensis*, the describer having been misled by Dobson's erroneous statement that the inner upper incisors of the latter species were unicuspid.

Glauconycteris egeria Thomas, 1913

p. 144

M. No. 22. Bibundi. B.M. no. 12.12.13.3. Type.

Brown-winged; the ears very large.

Size about as in *G. poensis*, though the skull is longer. General colour uniform dusky brown, not lighter below. Membranes also all dark brown, the reticulations not specially prominent. Ears much larger than in the allied species, subquadrangular, the

anterior basal lobule long, projecting backwards; anterior margin with its basal 6 mm. straight, then strongly projecting forward, almost to an angle; the

p. 145

upper half again straight; tip broadly rounded off; outer edge straight above, convex below; the outer basal lobe well developed, rounded. Tragus fairly large, its inner edge concave, outer convex; a well-developed angular external basal lobule. Lobes at angles of mouth rather small. Wings from the base of the toes. Calcar of medium length, a rudimentary postcalcareal lobule present.

Skull large in proportion to the size of the animal, its brain-case of the usual swollen shape, though not to so exaggerated an extent as in some species.

Inner upper incisors long, their distinct secondary cusp near their tips. Outer incisors minute, their tips reaching barely halfway to the secondary cusp of the inner pair. Lower incisors not markedly overlapping.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 38 mm.

Head and body 43; tail 41; ear, from notch 13.3, from anterior projecting angle 11; greatest breadth 13.5; tragus, length on inner edge 4; third finger, metacarpus 36, first phalanx 14.5; lower leg and foot (c. u.) 24; calcar 15.5.

Skull: greatest length 13; basi-sinual length 10; zygomatic breadth 9.2; interorbital breadth 3.8; breadth of brain-case 7.5; palato-sinual length 5.3; front of canine to back of m^3 4.5; front of p^4 to back of m^2 2.2; breadth between outer corners of m^2 5.5.

Hab. and Type as above.

This well-marked species is readily distinguishable from the other two brown-winged *Glauconycteris*, *G. poensis* and *beatrix*, by its much larger and less evenly rounded ears and by the length of its skull, which is 13 mm. in length as against 12 mm. in *poensis* and 11 mm. in *beatrix*.

Peters's *Vesperus kraussi*, from Yoruba, Lagos, appears to agree with *G. poensis* in all essential respects. Its locality is almost identical, as the type of *G. poensis* came from the Lower Niger, and not from Fernando Po.

Glauconycteris Floweri de Winton, 1901

p. 45

AMONG the mammals collected in the Soudan by Mr. H. F. Witherby in the spring of this year and acquired by the late Dr. John Anderson is a small bat which appears to be new to science. The specimen, preserved as a skin, was obtained at Wad Mariun about 12 rniles from Khartoum on the White Nile on May 12th, and will be taken as the type of the species. A second specimen, which has just been put into my hands by the kindness of Mr. O. Thomas of the British Museum, is preserved in alcohol; it was collected by Capt. S.S. Flower, Director of the Zoological Gardens at Cairo, on March 14th, at Abu Zeit on the White Nile some 200 miles south of Khartoum, during his recent trip with the party sent to inspect the Sud-cutting operations.

Although the front of the head is much damaged by shot, this "spirit specimen" is valuable in enabling a fuller description of the animal to be given than would have been possible if the dried skin alone had been available.

I have great pleasure in associating the name of so keen a worker in zoology, who also collected the first specimen, with this fine new species.
Dobson made a subgenus for the African bats allied to the Australian genus *Chalinolobus*, but I think it will be much more convenient to look upon these two geographically separated groups as distinct genera; the species from the two

p. 46

regions being so distinct from one another in general appearance, and have, besides the characters given by Dobson, the very important difference in the incisor teeth.

The first upper incisor in *Glauconycteris* is bifid, having an outer or rear cusp.

Glauconycteris Floweri, sp. n.

Colour above pale fawn, the bases of the fur greyish; the lower side cream-colour, yellower on the throat, paler on the belly. The fur on the forehead ends in a point barely in advance of the eyes, and the furred area is limited in extent in all directions, barely encroaching on to the upper arms, and leaving the tail and legs entirely bare. The skin of the face and ears is nearly black and naked, with the exception of a few short hairs more conspicuous round the lips. The wing-membrane is pale and transparent, with the veins and lines showing slightly darker; the posterior portion in front of the tibiæ and the distal portion of the interfemoral membrane is yellowish white. The upperside of the forearms, legs, and tail, and all the proximal portion of the wings and interfemoral membrane, are thickly studded with dark warty papillæ.

The measurements of the type taken by the collector from the animal in the flesh, an adult male, are: Head and body 47 millim., tail 34, hind foot 5.5, ear 12, forearm 35.

The specimen in spirit gives the following measurements : -
Head and body 42, tail 34, hind foot 5.8, ear 12, forearm 36.5.

In size and general colour this bat somewhat resembles *Scotophilus Schlieffeni*: the body-colour is, however, paler above and brighter on the lower parts, and the furred area is less extensive; but the paler wing-membrane, the dark face, and the extraordinary shagreening on the forearms, tail, and surrounding membranes distinguish this new species at a glance.

The skull is readily distinguished from that of *Scotophilus* by its rounded form and short facial portion; the lower jaw is likewise more rounded or blunter.

Glauconycteris gleni Peterson and Smith, 1973

p. 3

Holotype - ROM 57125, adult female, skin and skull collected 16 June 1970 by Robert Glen and V. Ngam in a tropical forest region near Lomie, Cameroun, 3°10'N, 13°37'E.

Geographic distribution - Known only from the type locality in Cameroun and from Malabigambo Forest near Sàngo Bay, Masaka District, southern Uganda, 1°05'N, 31°30'E.

Diagnosis - Wings and uropatagium white with dark brown pigment outlining the bones of the wings, hind limbs, and tail, the basal portions of the calcars and veinations of the interfemoral membrane, and to a lesser extent the proximal areas of the wings between humeri and hind limbs (Fig. 1). The ears are relatively large for the genus and have broad tragi. The pelage of the dorsum is quadricoloured with a pale clay-coloured terminal band, a narrow and dark-brown subterminal zone, a pale, buffy, sub-basal zone, and a dark slate-gray basal band. There are no distinct dorsolateral bands of pale pelage as in *G. argentata*. Ventral hairs are bicoloured, with the base gray and the whitish terminal band varying from pure white to a wash of pale yellowish buff. The length of the tibia relative to forearm length is short compared with other species of the genus (Tables 1 and 2).

The size and general shape of the skull of *G. gleni* is similar to that of *G. variegata* but differs from the latter by the combination of a more rounded braincase (equal in

p. 4 - 5

[Tables removed - Eds.]

p. 7

width to that of *G. variegata*) and a narrower mastoid width. The upper inner incisor is usually bilobate, but the development of the posterior lobe varies considerably in individual specimens. The upper premolar has a large hypocone with its lingual margin lying in line with the lingual margins of the canine and the first molar (M^1) in occlusal view (Fig. 2). The lower incisors are typically trilobate (Fig. 3), but the outer incisor (I_3) has a well-developed cingulum extending along its anterior surface below the central lobe. The occlusal surfaces of I_3 and I_2 are each characterized by the development of a posterior projection of the cingulum to form a heel-like lobe (Fig. 4).

Measurements (mm) of the holotype - *External*: Total length 100, tail vertebrae 46, hind foot 8, ear 16, tibia 16.4, forearm 41.1, third digit - metacarpal 40.2, first phalanx 15.2, second phalanx 21.3, fourth digit - metacarpal 37.8, first phalanx 10.9, second phalanx 9.7, fifth digit - metacarpal 34.9, first phalanx 7.8, second phalanx 6.9, wing span 305, weight 9.25 grams. *Skull*: Greatest length 14.2, condylobasal length 13.6, palatal length 4.1, zygomatic width 9.9, mastoid width 8.4, breadth of braincase 8.2, height of braincase 5.9, supraorbital process width 5.3, interorbital width (from front) 5.2, postorbital constriction 4.5, width across molars (M^3-M^3) 6.4, length of toothrow (C-M^3) 4.75, width across upper canines (C-C) 4.6, length of mandible (condylo-incisive) 9.9, length of lower tooth row (C-M_3) 5.2, width across lower canines (C-C) 3.0.

Specimens examined - *Glauconycteris gleni* sp. N. - The holotype from Cameroun (ROM); plus nine adult and two subadult males, five adult and one subadult females all from Malabigambo Forest near Sàngo Bay, Masaka District, southern Uganda in the collection of the Los Angeles County Museum. *G. argentata* (Dobson) - Cameroun, 8; French Congo, 2; Uganda, 6; Kenya, 49; Tanzania, 5. *G. variegata* (Tomes) - Cameroun, 2; Congo, 11; Dahomey, 2; Ghana, 2; Nigeria, 2; Zambia, 2; Sudan, 1; Uganda, 9; Malawi, 1; South Africa (Zululand), 1. *G. albogutattus* J.A. Allen - Cameroun, 1; Congo, 1. *G. beatrix* Thomas (including *G. humeralis* J.A. Allen) - French Congo, 1; Gabon, 1; Congo, 5; Uganda, 9; Kenya, 6. *G. egeria* Thomas - Cameroun, 1; Uganda, 4. *G. machadoi* Hayman - Angola, 1. *G. superba* Hayman - Congo, 1; Ghana, 1; Ivory Coast, 1.

Comparisons - *Glauconycteris gleni* appears morphologically intermediate between *G. argentata* and *G. variegata*. Externally, *G. gleni* resembles a pale-coloured *G. argentata* in the veination of the interfemoral membrane, but markings are considerably darker and the membrane much whiter. *G. gleni* lacks the dorsolateral bands of pale-coloured pelage on the back, characteristic of *G. argentata*, and the white ventral pelage contrasts sharply with the dark-greyish or brownish coloration of that species. The ear of *G. gleni* is larger, the tragus is wider, and the tibia is distinctly shorter than in *G. argentata*. *G. gleni* is significantly larger in 11 of 16 external measurements in both sexes (Tables 1 and 2). In cranial characters, *G. gleni* is significantly larger ($P < .001$) without overlap in measurements of greatest length, condylobasal length, length of tooth row (C-M^3), and length of mandible, while the postorbital constriction of *G. gleni* is significantly narrower ($P < 0.001$) in both sexes compared with *G. argentata* (Tables 1 and 2). Of the 16

p. 8

cranial characters compared, *G. gleni* and *G. argentata* males differed significantly in 12 and females in 10. In dental morphology, specimens of *G. gleni* tended to differ from those of *G. argentata* in having a larger hypocone on the upper premolar and in the development of the cingula on the anterior surface of the crown of 13, as well as on the posterior portion of both hand 13 (Figs. 2 - 4).

When compared with *G. variegata*, *G. gleni* lacks the heavily pigmented markings on the wings, and the markings on the interfemoral membrane are less complex (typically, lines are laterally oriented and anteroposterior orientation of cross-veination is limited). The coloration of the pelage is strikingly different from any known example of *G. variegata*. The dorsal pelage is distinctly quadricoloured instead of tricoloured as in *G. variegata*. Although similar in shape, the ears are longer and the tragi are broader in the new species. The tibia of *G. gleni* is distinctly shorter (17.0 or less) than that of *G. variegata* (18.3 or more; see Tables 1 and 2). Of the 16 external measurements (Tables 1 and 2), *G. gleni* males are significantly smaller in nine and females in eight when compared with *G. variegata*. Although the crania of the two species are similar in size, differences are significant in 13 of the 16 measurements in males and 10 of the 16 in females. In dental morphology, *G. gleni* also differs from *G. variegata* by the shorter first commissure and longer third commissure of M^3 and by the greater development of the hypocone of P^4 (Fig. 2), as well as by minor differences in the development of the cingula of the lower incisors (Figs. 3 and 4).

Each of the remaining known species of *Glauconycteris* can be distinguished from *G. gleni* as follows:

G. poensis (Gray) - wings pale gray instead of white, general pelage coloration darker, and greatest length of skull less than 13.0.

G. albogutattus Allen - pelage coloration much darker, wing membranes dark instead of white, tibia greater than 17.0, and greatest length of skull shorter (13.1 and 13.2).

G. beatrix Thomas - pelage and wing membranes dark, ear shorter (12.0 or less), skull shorter (greatest length, 12.0 or less), and length of mandible less than 9.0.

G. egeria Thomas - pelage and wing membranes quite dark combined with striking whitish dorsolateral stripes on the back, larger square-shaped ears, greatest length of skull less than 13.5, and length of mandible less than 9.5.

G. machadoi Hayman - darker pelage coloration, as well as wing and interfemoral membranes with sharply defined veinations; otherwise differs in the same way as *G. variegata*.

G. superba Hayman - pelage black and white above, black below, forearm length greater than 44.0, greatest length of skull more than 16.0.

Glauconycteris humeralis J.A. Allen, 1917

p. 448

Text Fig. 7, A.

Type, No. 49013, F ad, (skin and skull), Medje, Belgian Congo, Sept. 7, 1910; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 956..

Size medium. A conspicuous tuft of while hairs at the shoulder. Pelage full and soft.

p. 449

Upperparts hair-brown, the hairs darker on basal half; a conspicuous tuft of white hairs on the shoulders; underparts similar to back but paler; membranes dark brown; limb bones pale brown on both surfaces; wing membranes attached to the whole length of basal joint of outer toe; no postcalcaneal lobe. Ears small, yellowish brown; tragus short, broad, straight on inner border, convex on outer border, expanded at middle. Tail wholly included in the interfemoral membrane.

Represented by 5 specimens, the type and 3 topotypes (2 of them in alcohol) from Medje, the other from Avakubi, collected Feb. 21, 1914.

Collectors' measurements of type: Total length, 82 mm.; head and body, 42; tail, 40; foot, 8; .ear, 9.

Forearm, type (from skin), 36.8; third metacarpal, 35.8; tibia, 26.8; foot, 7; ear, 5 X 6; tragus, 3 X 1. The forearm length in 2 alcoholic topotypes is, M 35.8, F 35.3; the Avakubi specimen, 38,8.

Skull (type), total length, 11.3; zygomatic breadth, 8.2; breadth of braincase, 7.3; interorbital breadth, 3.9; maxillar breadth, 5.1; breadth at base of canines, 3.6; upper toothrow (with canine), 3.6; length of mandible, 7.9; height at coronoid, 2.5; lower toothrow, 3,9. Skull short and very broad, the braincase greatly expanded.
Inner incisor large, with the secondary column about one fourth lower than the main cusp; outer incisor inserted posterior to the inner one, minute, about one third of the height of the inner, and wedged in between inner incisor and canine. The single upper premolar is approximately the size of m^3, and quite similar to it in form.

The pure white shoulder tuft is a conspicuous feature in the type and topotypes; it is present in the Avakubi specimen, but only the tips of the hairs are white (yellowish white instead of pure white). The collectors' measurements and the forearm are somewhat larger than in the type, but the skull measurements are practically the same in all the specimens.

Glauconycteris kenyacola Peterson, 1982

p. 2521

Figs. 1 - 4

Holotype

ROM 71305 adult female skin and skull, collected 30 December 1970 on the Galole Road, 8.5 km N Garsen, Kenya (02°12' S. 40°05' E) by Judith Eger and Robert Glen.

Geographical distribution

Known only from the type locality.

Diagnosis

Similar in size to *G. argentata* but with distinctive whitish facial markings on nose and chin and at base of ears (Fig. 1); skull with narrow postorbital constriction, short rounded braincase (Fig. 2); inner upper incisor simple (without secondary cusp but with a slight posterior bladelike ridge) resembling that of *G. variegata* (Fig. 3B); third upper molar with relatively long first commissure, with narrow angles between first and second and between second and third commissures, the lingual termination of the latter not extending conspicuously beyond level of the junction of the first and second commissures (Fig. 4B),

Description

A whitish tuft of hair extends dorsally on the nose from between the nostrils (tuft length about 3 mm and width about 2 mm); a distinct thick band of white hairs (about 1.5 mm long) extends from the antitragal lobe to the base of the ears (band about 2.0 mm x 5.0 mm); tufts of finer, longer, and darker hairs occur on the posterior surface of the lower outer base of the ears as well as the

p. 2522

posterior outer surface of the base of the leading edge of the upper (inner) portion of the ear; inner surface of the ear and base of tragus with a thin covering of long pale hairs.

Dorsal pelage long (about 5 - 6 mm), soft and bicoloured, Tawny-Olive basally and Mummy Brown at tips; head Dresden Brown, paler than back Except for the lateral flanks, which are Yellow Ocher, the ventral pelage is pale Ochraceous Buff with a thin wash of Dresden Brown.

Wing membranes of dried skin Light Ochraceous-Buff with venation outlined in Dresden Brown; uropatagiurn Drab. Skin covering wing, leg, and tail bones strongly outlined with Blackish Brown dorsally but not ventrally.

See Table I for measurements of the holotype.

Comparisons

Compared with *G. argentata, G. kenyacola* differs in its distinctive facial markings; dorsal pelage darker and lacking light lateral flank markings (dorsolateral bands); skin over wing, leg, and tail bones sharply outlined with Blackish Brown dorsally; a shorter second phalanx of third digit; skull with shorter palate; slightly narrower postorbital constriction; absence of secondary cusp on unworn first (inner) upper Incisor (Fig. 3); M^3 more compressed (anteroposteriorly) with relatively longer first commissure and smaller angles between it and the second as well as between the second and third.

Compared with *G. gleni*, the holotype of the new taxon differs in the presence of distinctive facial markings; wing membranes light Ochraceous-Buff instead of white (skin covering wing, leg, and tail bones similarly strongly outlined dorsally); dorsal and ventral pelage much darker; longer tibia, tail length, fifth digit metacarpal, and second phalanx of fifth digit; shorter second phalanx of third digit; lighter weight; shorter greatest length of skull, condylobasal length, palatal length, C-M^3, C-M_3, and mandible lengths; narrower, lower C-C width; M^3 with a more acute angle between the first and second commissures (Fig. 4B).

Compared with *G. variegata, G. kenyacola* lacks the characteristic wing membrane pattern of dark outlining of the venation (above and below); differs in the presence of the distinctive facial marking; pelage darker dorsally and ventrally; wing size smaller; weight skull smaller throughout (see Table I); a more acute angle between the first and second commissures of M^3 (Fig. 4B).

Compared with a series of 14 female and 21 male specimens of *G. poensis* from western Africa, *G. kenyacola* differs in its facial markings and pelaga colouration in much the same way as from *G. argentata* except that *G. poensis* averages much darker grey than *G. argentata*. In size the new taxon has a longer tibia (20.0 vs 18.8 maximum), forearm (40.5 vs 39.7 maximum), fourth digit metacarpal (38.7 vs. 38.5 maximum), fifth digit metacarpal (37.3 vs 34.8 maximum). Cranially it has a wider zygomatic Width (ca. 9.4 vs. 9.1 maximum) and a wider braincase (8.0 vs. 7.6 maximum). The upper incisor lacks the strongly developed posterior cusp that is even more highly developed in *G. poensis* than in *G. argentata* (Fig. 3A).

Remarks

G. kenyacola is so uniquely distinct from all known taxa of *Glauconycteris* from Africa that it cannot be confused with any other species. It is most comparable with *G. argentata* and *G. poensis* in size, and needs further comparison with only *G. gleni* and *G. variegata*.

The range of normal geographical, sexual, and age variation within this new taxon will remain unknown until additional specimens become available. The name *Glauconycteris* as a genus is provisionally retained and follows Peterson and Smith (1973) and Corbet and Hill (1980).

Only a few specimens of *Glauconycteris* have been taken near the type locality of *G. kenyacola* and these consist of *G. argentata* and *G. variegata*. As there has been rather extensive collecting in other regions of Africa without its discovery, it appears possible that that new taxon may be restricted to the lower coastal plains of Kenya and adjacent regions. The holotype was netted over a seasonal waterhole.

The etymology of the name *kenyacola* is derived from the Latin *cola* (= to inhabit), thus "Kenya inhabitant."

Glauconycteris papilio Thomas, 1905

pg. 77

Allied to *G. variegatus*, Tomes, with which it has hitherto been confounded ; but the acquisition by the British Museum of the co-types of that species in the Tomes collection enables me to clear up the confusion.

Size smaller than in *variegatus* (forearm 41 instead of 45). General colour of the ends of the hairs above uniform clay-colour from head to rump, exactly matching the posterior back of *variegatus*, but in the latter the head and shoulders are whitish, the clay-colour being only present posteriorly. Individually the hairs are pale slaty basally, then silvery cream-colour, the tips being pale brownish clay-colour. Under surface uniform cream-buff from chin to anus, the corresponding part of *C. variegatus* being white. Wings and interfemoral membrane variegated as in the allied species. Inner basal lobe of ear rounded.

Skull as in *G. variegatus*, but shorter, while nearly as broad. Inner upper incisors similarly unicuspid ; outer minute.

Dimensions of the type (measured in skin): -
Forearm 41 mm.
Third finger, metacarpus 40, first phalanx 15, second phalanx 27 ; fifth finger, metacarpus 38, first phalanx 9, second phalanx 9 ; lower leg and foot (c.u.) 27.

Skull: greatest length 13.2 ; median basal length 10.2 ; breadth of brain-case 8.2 ; front of canine to back of m^3 5.

Hab. (of type). Entebbi, Uganda. Other specimens from Gambaga, Gold Coast (*Giffard*), and Tette, Zambesi *Boyd Alexander*).

Type. B.M. no. 99. 8. 4. 14. Collected 10th April, 1895, and presented by F.J. Jackson, Esq.

Mr. Tomes's collection contains six specimens of "*Scotophilus variegatus*," among which two labelled in his hand-writing can be identified as those of which he gave the dimensions in his original description*. Dobson's statement that the type of this species was in the Berlin Museum was therefore erroneous.

The beautiful "butterfly-bat" now described has been

* P. Z. S. 1861, p. 36.

pg. 78

hitherto considered by Winton* and myself as *G. variegatus*, but it may be readily distinguished by the characters above described.

* Ann. & Mag. N. H. (6) xx. P. 317 (1897, and (7) iv. P. 354 (1899).

Glauconycteris phalæna Thomas, 1915

p. 560

Near *G. variegata*, but teeth smaller and incisors more slender.

Size as in *G. variegata*. Colour, of a spirit-specimen, apparently about as in that animal, the head and belly similar whitish, but the back hardly so strongly buffy. The colour is therefore still further from that of the neighbouring *G. variegata papilio*, in which both head and belle

p. 561

are more or less strongly buffy. Wings strongly reticulated as in the allied species.

Skull essentially as in *variegata*, though the brain-case is perhaps, a little longer and narrower and the muzzle shorter but the difference is very slight.

Incisors smaller and lighter than in *variegata*; i^1 slender, unicuspid in the type, but the presence or absence of a secondary cusp in this group appears to be variable. I^2 considerably smaller than in *variegata*, not crushed between and touching i^1 and the canine in front and behind, but clearly separated from each of them. Molars distinctly smaller than in *variegata* and *papilio*, the combined length on outer edge of m^1 and m^2 in eleven specimens of those forms, including types of both, being 2.7 - 2.8 mm., while in the type of *phalæna* it is only 2.4 mm.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 44 mm.

Head and body 54; tail 44 ; ear 11.5; third finger, metacarpal 40, first phalanx 16; lower leg and hind foot (c. u.) 28.

Skull: greatest length 13.6; condylo-basal length 13.2; interorbital breadth 4.6; breadth of brain-case 8.1; palato-sinual length 5; front of canine to back of m^3 4.8.

Hab. White Nile, near Fashoda.

Type. Adult female. B.M. no. 15.3.6.67. Original number 71. Collected 27th January, 1914, by Willoughby P. Lowe.

Glauconycteris superba Hayman, 1939

p. 219

Glauconycteris superba, sp. n.

Diagnosis. - A *Glauconycteris* distinguished from all other members of the genus by its larger size, longer,

p. 220

flattened rostrum, and, above all, by its bold black and white colour-pattern, as figured. (N.B. - The figures are semi-diagrammatic representations of the pattern, and all membranes, including ear-tips, are left uncoloured.)

Type. - In Congo Museum, R.G. no. 14.765. Adult probably ? (the sexual organs were apparently cut away by the collector in opening the body), in alcohol. Collected at Pawa, about 30 miles E.N.E. of Medje, Ituri district, Belgian Congy, by Dr. Dubois of the Congo Red Cross.

Description. - General colour of head and body above and below, limbs, ears, and all membranes, black. The hairs of the body are dark brown basally, and black for the terminal half of their 5 - 6 mm. length. The body colour is relieved by several pure white patches and bands, the hairs forming which are the same length as the black hairs. These white markings are arranged as follows: - Above (fig. 1), a roughly circular patch, 4 - 5 mm. in diameter, on the top of the muzzle between the eyes; a patch on each side of the crown at the base of each ear, about 6 mm. long and a little less wide (these patches appear to encroach on the outer surface of the ear, but do not actually do so, the proximal half of the outer surface of each ear being clothed with short black hairs); two lanceolate stripes, one on each side of the median dorsal line on the fore part of the back, each about 18 mm. long, approximately 5 mm. wide anteriorly, and tapering rapidly to their termination about the middle of the back; two longer, narrower stripes, each about 29 mm. long and 2 mm. wide, one on either side of the body, each commencing a little in advance of, and exterior to, the ends of the scapular stripes last described, and each terminating just short of the root of the tail. On each shoulder, close to the junction of the antebrachial membrane with the body, another stripe begins, about 2 mm. wide, arising exterior to and on a level with the anterior end of the long flank stripe. This shoulder stripe runs forward over the shoulder, and below (fig. 2), joins a wider band, approximately 4 mm. wide, which then turns back and runs without interruption or narrowing along the side of the under-surface of the body, widening to about 6 mm. on the perineal region, where it joins the

p. 221

corresponding stripe of the opposite side of the undersurface. Most of the throat is occupied by a white band, 8 mm. wide at the centre, which narrows laterally to about 3 mm. as it passes on either side of the throat

p. 222

to the posterior outer surface of the lower part of the ear conch. On the side of the neck this band has a narrow connection joining it to the shoulder patch.

Other External Features. - In general form *G. superba* does not differ from other species of the genus. The ears are less rounded and more subquadrangular in outline than in other forms. *G. variegata papilio* being nearest to it in this respect.

Skull and Teeth. - The skull is proportionately longer and slightly less broad than in any other *Glauconycteris*. A most marked feature is the flattening of the rostrum, so that the profile shows an angle at the junction of the brain-case and the rostrum. The occiput is high, with a minute crest, and the total height of the skull from bulla to occiput is more than half the total length instead of slightly less than half, as in all other species known. The teeth are characteristics of the genus: i^1 is not bicuspid, although there is a minute accessory cusplet on the internal angle near the cingulum. i^2 is closely crowded between i^1 and the canine.

The lower incisors are closely crowded, and there is a greater proportionate difference in size between i_1 and i_3 than in other species.

Measurements. - It should be noted that, a a result of the unique type having been preserved originally apparently in formalin, the body has set in such a way that an accurate head and body measurement would probably be nearly 10 mm. More than the figure given here. Head and body 49, tail 30, hind foot 8.3, tibia 21.3, ear 13, tragus 7.5, forearm 47.5. Second digit 44.5; third digit metacarpal 45.5, first phalanx 20.7, second phalanx 24.3; fourth digit, metacarpal 44, first phalanx 13.3, second phalanx 10.8; fifth digit, metacarpal 40, first phalanx 8.2, second phalanx 8.2. Calcar approximately 11. Skull; greatest length 16.2, condylobasal length 15.5, palatal length 5.9 to posterior notch, 6.5 to tip of median process, height from bullae to occiput 8., interorbital width 5, zygomatic width 11, mastoid breadth 9.5, width of brain-case 8.5, width across canines 6, width across m^3-m^3 7.9, upper toothrow (c-m^3) 6, lower toothrow 6.6, length of mandible 12.2.

Remarks. - Although in certain other species of *Glauconycteris*, namely *argentata* Dobson, *poensis* Thomas,

p. 223

alboguttatus J. A. Allen, and *humeralis* J. A. Allen, all of which are either fawn or brownish in colour, there is a more or less well-defined buff or whitish stripe on the lateral margin of the upper surface of the body, none shows a close approach either to the black and white colour or the pattern of spots and stripes found in *superba*, a pattern suggesting in a modified form that found in the spotted skunk, *Spilogale*. The nearest approach to this pattern is found in another Vespertilionid bat, *Scotomanes ornatus*, from S.E. Asia, a bat of a rich rufous general colour having a single median dorsal stripe and other white markings roughly corresponding in position to those of *Glauconycteris superba*, but much less well defined. The Emballonurine *Saccopteryx bilineata*, from S. America, has a pair of narrow white dorsal stripes on a black ground, but no other white markings, while the North American *Euderma maculata*, another Vespertilionid, is black with three well-defined white patches on the dorsal surface, one on each shoulder and one on the rump. That such a conspicuous new species should be found in a region which has received considerable attention from museum collectors of proved ability such as Lang and Chapin of the American Museum Congo Expedition of 1909 - 1915, Dr. Christy, and others, is somewhat surprising. It seems that much more collecting needs to be done before we can claim a complete knowledge of the mammalian fauna of tropical Africa.

Glauconycteris superba sheila Hayman, 1947

p. 547

Glauconycteris superba Sheila, subsp. nov.

Type. - B.M. no. 47.10. Adult ?, skin and skull (originally in alcohol), collected December 6th, 1946 at Oda, Oda Province, Gold Coast, by Mr. G. S. Cansdale. Collector's number 807.

Diagnosis. - Similar to *Glauconycteris superba* in size, external form and in the main features of the vivid pattern of white patches and lines on a black ground. It differs, however, in the addition of two white spots on each shoulder adjacent to the base of the humerus, in having conspicuous unpigmented areas on the upper surface of the elbow, knee and ankle joints, and in the paly grey colour of the under-surface of the interfemoral membrane, contrasting with the black of all the other membraneous surfaces.

Description of the Type. - The general colour of head and body, above and below is black, the dorsal hairs being

p. 548

dark brownish at the base, as in *superba*. The white markings above, as shown in the diagrammatic figure (all membranes left uncoloured) consist of a median nose spot, a large patch on each side of the crown close to the base of each ear, two elongated patches lying one on each side of the median line on the upper shoulder, two long narrow lines, one along each flank, and on each lower shoulder, just above the root of the humerus, two spots of approximately equal size. These latter spots are the only feature of the body pattern distinguishing the new form from typical superba. Immediately in front of the two shoulder spots is the beginning of the white area which passes below to the broad U-shaped white band almost enclosing the black abdominal area. The broad white throat band terminates laterally immediately behind the base of each ear. The entire pattern of the underside of the head and body is thus exactly as in *superba*.

p. 549

Contrasting sharply with the completely black skin of the limbs and black upper surface of all membranes are the unpigmented round patches on upper surface of elbow, knee and ankle joints. These are described by Mr. Cansdale as flesh coloured in the fresh specimen, and are quite conspicuous in the dry skin.

The entire under-surface of the interfemoral membrane, in the alcoholic specimen as received, was pale grey, in sharp contrast with the black membranes elsewhere. In the dry skin this area has become brownish rather than grey, but still contrasts with the adjoining membranes, particularly since the numerous transverse veins in the under-surface form a prominent pale network in the dry state.

Skull and Teeth. - In size and proportions the skull agrees well with that of the type of *superba*. The flattening of the rostrum produces a marked angle at its junction with the brain case. In addition the length of the rostrum is markedly greater in proportion than in other species of the genus, and has brought about a considerable lengthening of the infraorbital foramen. In other species the anterior opening of the foramen is situated over p^3, in *sheila* it is over the canine root, and the foramen is thus much longer. The basisphenoid pits are somewhat deeper proportionately than in other species examined.

The teeth are normal, except that m^3 is considerably reduced, resembling that of *Scotophilus* in this respect. An examination of the same tooth in other species shows that it is best developed in the smallest forms and becomes proportionately weaker as the skull becomes larger.

Measurements. - All figures in parentheses are those for the type of *G. superba*. Head and body 63 (49); tail 49 (39); hind foot 10 (8.3); ear 13 (13); tragus 7. Forearm 47 (47.5). In comparing the two sets of figures it should be remembered that owing to the type of *superba* having been stiffened by preservation in formalin it was not possible to give fully accurate measurements, and it was suggested (1939) that it might be found later that the figures given then might not be fully reliable. The almost exact correlation in size between the skulls of the two forms suggests that this is the case.

Skull: greatest length 16.1 (16.2); condylobasal length 15.7 (15.5); palatal length to tip of median process

p. 550

7.7 (6.5); rostrum (incisive alveolus to front of orbit) 4.1; zygomatic breadth 11.9 (11); breadth of brain-case at posterior root of zygomata 9.1 (8.5); height of brain-case from auditory bulla 9.6 (8.8); interorbital breadth 4.8 (5); breadth across m^3-m^3 8.1 (7.9); upper tooth row c-m^3 6.2 (6); length of mandible 12.9 (12.2); breadth across canines 6.2 (6).

Remarks. - This striking discovery, which I am pleased to name for Mrs. Cansdale, is obviously a distinct West African representative of *G. superba* of the eastern Belgian Congo. Its distinguishing features are very well marked; but in view of a tendency towards variability in the much simpler pattern in another species of the genus noted by the present author (1946) it is thought best to give the Gold Coast form subspecific status at present. Mr. Cansdale is to be congratulated on the addition of such a remarkable bat to the Gold Coast fauna. He informs me (in litt.) that the animal was found alive on the ground and brought in by natives, to none of whom was it previously known. In the absence of any field observations on the animal itself the significance of such a pattern remains to be explained.

H[ipposiderus]. gigas gambiensis K. Andersen, 1906

p. 42

Diagnosis. - Nose-leaves larger: width of horseshoe and posterior leaf about 13 mm.

In the specimen examined there are three supplementary leaflets only, no trace of a fourth.

Type. - F ad. (in alcohol). Gambia. Presented by the Earl of Derby. Brit. Mus. no. 42.9.27.36.

H[ypsignathus] monstrosus H. Allen, 1862

p. 157

Fur fine and short, very thin upon the face, interspersed with a few long stiff hairs. A well-marked white line extends from the facial protuberance to between the eyes. Top of head and nucleal region light ash brown, dark in the centre, lighter upon the sides, and narrowing to a whitish band which encompasses the inferior part of the anterior surface of the neck. The hair between this band and the chin is very thin and scattering, and of a pale brown. Dorsum delicate plumbeous tipped with grey, thicker above than below. The fur runs to a purer brown upon the posterior part of interfemoral membranes and thighs. The fore extremities to near the carpal joint are clothed with a thin coating of fur, while the interbrachial surface and that contained between the fourth finger and the sides of the body are studded in different directions with interrupted lines of minute hairs. The pectoral region and sides of belly of the prevailing hue - plumbeous grey - with a tendency of that in the centre of the abdomen to become whitish. Pubic region brownish. At the point of junction of the interbrachial membrane with the body a row of white hair is seen. The membranes beneath have upon them the same thin lightish hairs as above, but more extensive.

The dimensions of the skull are as follows:

Length from occiput to extremity of nose: 2.9 in.
" of cranium: 1.0
" " nose: 1.6
Height of nose: 0.9
Breadth of nasal bones: $0.3^1/_2$
" palate between canines: 0.6
" " " molars: 0.9
Distance between zygomas: 1.6

p. 158

Length of lower jaw: 2.3 in.
Breadth of symphysis: 0.6
Distance between condyles: 1.3
Height of coronoids: 0.9
Distance between first premolar and canine: 0.2
Dimensions of the body:
From snout to interfemoral membrane: 12.0

" " ears: 3.4
" " eyes: 2.0
" anterior part of eyes to ears: 1.4
Length of mouth: 1.4
Breadth of snout: 1.4
Height of snout: 0.8
" face: 1.1
Breadth of chin: 0.9
Length ": $0.4^{1}/_{2}$
Breadth between eyes: 1.3
" " ears: 1.6
Distance from snout to wing membrane: 5.7
Length of ulna: 4.6
" thumb: 2.0
" first joint: 0.9
" second joint: 1.3
" index finger: 3.9
" third ": 9.6
" fourth ": 7.1
" fifth ": 6.6
" inferior extremity: 3.6
" tibia: 2.1
" foot and claws: 1.3
Expanse of wing membranes: 27.0

Hab. Western Africa. Discovered by M. Duchaillu

Hipposideros abæ J.A. Allen, 1917

p. 432

Type, No. 49123, M ad. (skin and skull), Aba, Uele district, Belgian Congo, Dec. 13, 1911; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig, No. 1715.

Upperparts (type, an average specimen of the dark phase) heavily washed with bistre from the shoulders posteriorly; lighter anteriorly through the shorter dark tips of the hairs, which nearly disappear on sides of head, neck and shoulders, which are thus much lighter than the back; underparts buffy gray, much lighter on throat; ears light brown, rather small, tip obtusely rounded; feet and ventral surface of limbs light brown; membranes dark brown.

Type, total length (collectors' measurements), 104 mm.; head and body, 66; tail, 38; foot, 12; ear (from outer base), 20. Forearm (from skin), 58.5; tarsus, 23.2; foot, 11; ear (from inner base), 16. Skull (type), total length, 23; zygomatic breadth, 13; width of braincase, 11; maxillar breadth (across m^3), 8.8; breadth at base of canines, 6.1; upper toothrow (c-m^3), 8.2; length of mandible, 14; lower toothrow, 9.4.

Posterior border of nose-loaf rounded; three secondary cutaneous leaflets, the outer one slightly developed; a frontal sac in the males, absent or much less devel-

p. 433

oped in females. P^2 uniformly present on both sides in each of the 35 skulls, inserted on the outer border of tho toothrow, closely crowded in between the canine and p^3.

Represented by 35 specimens (16 males, 19 females, all adult, skins with perfect skulls), all taken at Aba, December 13, 1911.

The collectors' measurements from the fresh specimens (16 males, 19 females), are as follows:

Total length (MM; FF): 101.2 (97 - 107); 101.4 (95 - 105); Head and body: 65.5 (60 - 70); 65.4 (60 - 70); Tail: 34.2 (32 - 39); 36 (32 - 40); Foot: 12 (11 - 13); 12.2 (11 - 13); Ear: 21.4 (20 - 22); 21.5 (20 - 22)

The forearm and skull measurements (total length and zygomatic breadth) of the same specimens (MM; FF): Forearm: 58 (56 - 60); 57.8 (54 - 60.5); Skull: 23.1 (22.5 - 23.7) X 13.4 (13.1-13.9); 22.7 (21.9 - 23.3) X 13.2 (12.6 - 13.7)

This large series of specimens, all taken the same day at the same locality, and also all fully adult, is especially interesting from the wide range of color variation it presents, which, as shown by the skulls, is wholly independent of age, and probably of sex, although of the 16 specimens in the red phase 11 are females and 5 are males, and none of the males are nearly as red as are the majority of the red phase of the females. The dark phase, on the other hand, includes 11 males, while only 8 females can be assigned to it; and only two of the dark males are strictly referable to the norm of the dark series of females, the, others, being distinctly intermediate between the dark and red phases.

The *dark phase* may be described as follows: Upperparts, in general effect, washed with drab-brown, lighter on the neck and shoulders, whitish prevailing on the sides of the shoulders; fur at extreme base dusky, with a broad intermediate zone of whitish, the tips of the hairs dark drab-brown, giving a dark brown superficial tone to the dorsal aspect. The extent of the dusky tipping varies greatly in different specimens, and maybe almost absent over the shoulders and especially on the sides of the shoulders,

giving there a prevailing whitish tone. In general the white middle zone of the fur shows more or less at the surface. Underparts uniform dingy pale buff with a faint superficial wash of yellowish. Basal portion of the fur very pale brown, showing more or less through the pale buffy tips.

Red phase. Upperparts cinnamon-brown, often darkening on the middle of the back to nearly chestnut-brown. Fur at extreme base slightly darkened, the broad middle zone, pale cinnamon, the tips of the hairs dark ruddy brown; sides of shoulders light yellowish white. The underparts vary in different specimens from pale buffy to deep reddish ochraceous; in average female specimens, pale ochraceous. This is the 'red' phase as

p. 434

shown in females; the males in the red phase are much less rufous, both above and below, the upperparts being of a much darker and less reddish tone, and the ventral surface is seldom brighter (yellowish buff).

Many of the males and some of the females are so nearly intermediate between the two phases that it is difficult to assign them satisfactorily to either. None of the specimens is young enough to indicate the character of the immature or juvenile pelage.

Hipposideros abæ is allied to the *H. caffer* group, from which it differs in considerably larger size, and lighter and more buffy underparts. *H. caffer centralis* occurs with *H. abæ* at the type locality of the latter. Average length of forearm in *H. abæ* (35 specimens), 58 mm.; of *H. caffer centralis*, 50; total length, *H. abæ*, 101, *H. c. centralis*, 92. Skull, *H. abæ*, 23 X 13.3; of *H. c. centralis*, 18.5 X 10.

Hipposideros braima Monard, 1939

p. 73

Collection: N° 602 F ad., Bagingara.

Description. Très petite: espèce à longue queue du groupe de *caffer-beatus-nanus*.

Feuillet nasal (Fer-à-cheval] assez large (5 mm) muni sur les côtés de deux feuillets accessoires (largeur avec ces feuillets: 6 mm). Partie dressée aussi large que le fer-à-cheval avec ses feuillets latéraux, à marge supérieure en arc surbaissé, presque horizontale, sans trace de sillons et de crêtes verticaux. Ïmmédiatement derrière le feuillet vertical, un petit sac frontal muni d'une touffe de poils noirs, à ouverture transversale; il est à présumer qu'il est mieux développé chez les mâles. Oreilles courtes mais larges, du type de *caffer* ou de *fuliginosus*. Marge interne d'abord

p. 74

très convexe, s'approchant beaucoup du feuillet nasal: puis à peu près droite et horizontale (l'animal en position verticale). Pointe de l'oreille en angle droit. Marge externe formant dès l'origine un large lobe convexe (antitragus) à peine séparé de la conque par une légère sinuosité concave: puis convexe, enfin concave vers la pointe de l'oreille. Celle-ci dirigée en arrière.

Membranes normales naissant de l'extrémité du tibia. Fémur et tibia proportionnellement allongés; pied étroit, plus long que le pouce. Queue allongée, la dernière vertèbre libre. Membrane interfémorale en forme d'arc.

Pelage complètement noirâtre.

[table removed - eds.]

On voit par ces dimensions que les caractères principaux de notre nouvelle espèce sont l'allongement de la queue et des membres postérieurs:
nanus ALLEN, *beatus* AND., *braima* n. sp.
Longueur de la queue mm.: 22, 20.5 - 22, 26
" du tibia: 16.5, 15.2 - 16, 18
" du pied: 7.9, 7.8 - 8.5, 9

En outre l'avant-bras est proportionnellement plus court, les doigts ayant des dimensions comparables.

Le crâne n'a pas été tiré de notre unique exemplaire.

p. 76

Mœurs. L'espèce vivait en compagnie de nombreux *Nycteris* de diverses espèces dans le comble de la maison que le Régulo de Sama met à la disposition de ses hôtes, à Bagingara. Mais elle y était beaucoup moins nombreuse que les *Nycteris* et deux individus seulement furent capturés, le second ayant réussi à s'enfuir.

Notre exemplaire femelle porte, immédiatement en avant de l'éminence sexuelle, deux petits appendices, de signification douteuse, qu'on signale parfois dans les femelles de ce genre

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Hipposideros caffer niapu J.A. Allen, 1917

p. 431

Type, No. 49414 (alcoholic), M ad., Niapu, Belgian Congo, Jan. 27, 1914; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig, No. 2322.

Similar in general coloration to *H. caffer centralis*, but much larger; it has a dark phase and a rufous phase, like the other forms of the *caffer* group.

Type (in rufous phase), upperparts uniform chestnut-brown; underparts cinnamon-brown; ears and membranes dark brown.

In the dark phase the upperparts are hair-brown, below lighter, with the tips of the hairs lighter than the basal fur. Most of the specimens are in the dark phase, which is similar to the corresponding phase of *H. caffer centralis* and *H. abæ*, but none of the specimens in the rufous phase approach nearly to the intensity of coloration seen in many examples of either of these forms.

Measurements: Type, total length, 88; head and body, 58; tail, 30; tibia, 21.8; foot (c.u.), 10.8; ear, 11.2 X 14.6. Forearm, 54.5. In the ten topotypes (including; type) the forearm averages 54.7 (53-56).

Skull (type), total length, 20.3; condylobasal length, 17.8; zygomatic breadth, 10.6; mastoid breadth, 10.2; interorbital breadth, 2.9; maxillary breadth, 6.8; breadth at base of canines, 4.8; maxillary toothrow (c-m^3), 6.6; length of mandible,

p. 432

12.4; mandibular toothrow, 7.2. Four male topotype skulls (including type), total length, 20.1 (19.8-20.3); zygomatic breadth, 10.5 (10.3-10.0); interorbital breadth, 2.9 (2.8-3); length of mandible 12.4 (12.2-12.5).

H. caffer niapu seems clearly to represent a large race of the *caffer* group, larger than any hitherto described. In Andersen's table of measurements of the forms of the *caffer* group, based on 98 specimens (including 75 skulls), the maximum length of the forearm is given as 53.8 for 24 specimens of *centralis*, as against 54.7 in 10 specimens of *niapu*, while the maximum in 40 specimens of typical *caffer* is 51.8. He gives (l. c., p. 270) the average forearm length for 40 specimens of *H. caffer caffer* as 48.6, and for 50 specimens of *centralis-guineensis* (which do not differ in size) as 50.6, as against 54.7 in 10 specimens of *niapu*, the latter exceeding the *centralis-guineensis* series by 4 mm. The skulls bear out the evidence of larger size for the *niapu* series, in which the average total length of the skull is 1 mm. greater than in the *centralis-guineensis* series, which is equal to the average difference between the latter and typical *caffer*.

H. c. niapu is represented by 10 adult specimens (6 males, 4 females), all from the type locality, and all collected the same day. It is clearly specifically different from the much larger *H. abæ* described below from a series of 35 skins and skulls, all from Aba, and all collected also during one day.

Hipposideros camerunensis Eisentraut, 1956

p. 526

Material: 4 Exemplare

Buea, 29. April 1954, 2 MM (505, 510), 2 FF (506, 511).

Die hier neu beschriebene Art, die in 4 in den wesentlichen Merkmalen übereinstimmenden Exemplaren vorliegt, ist am nächsten verwandt mit *H. cyclops* und gleicht ihr in den äußeren Merkmalen, zeichnet sich aber durch ihre bedeutende Größe aus, die durch keinen gleitenden Übergang mit den für *cyclop*s vorliegenden Maßen verbunden ist. Man könnte vielleicht die Ansicht vertreten, daß die neue Form nur eine Unterart von *cyclops* darstellt, und zwar in diesem Fall eine Gebirgsform, doch gibt als Fundort für *H. cyclop*s DOBSON "Cameroon-Mountains" und MATSCHIE (1891) ausdrücklich Buea an, von wo auch die vorliegenden Stücke stammen, so daß eine artliche Trennung als gegeben erscheint. Es liegt hier ein ähnlicher Fall von Größendifferenz zweier nächstverwandter Formen vor, wie wir ihn z. B. von *Nyctalus noctula* und *Nyctalus lasiopterus (maximus)* kennen. Wie weit die neue Form in Kamerun und darüber hinaus verbreitet ist, wissen wir nicht. Die 4 vorliegenden Exemplare wurden in einer Höhle oberhalb des Eingeborenen-town Buea gefangen.

Hipposideros camerunensis besitzt wie *H. cyclops* ein außerordentlich dichtes und wolliges Fell. Oberseits ist der Grundton schwärzlich, doch gewinnt das Fell durch die grauweißlichen Haarspitzen einen graumelierten Ton. Am Unterarm, der oberseits bis zur Hälfte dicht behaart ist, nehmen diese Haare eine bräunliche Färbung an; auch am Vorderkopf ist das Fell etwas mehr graubräunlich getönt. Die Färbung der Unterseite ist eine Nuance heller als die der Oberseite und geht in den vorderen Partien ein wenig in Grau, an den hinteren in Braun über. Auch hier sind die Haare am Ende heller als am Grunde. Der Unterarm ist auf der Ventralseite in seinem proximalen Drittel schwach behaart. Flughäute und Ohren sind bräunlich-schwarz. Das Plagiopathagium schließt den Metatarsus der 1. Zehe völlig

p. 527

mit ein und inseriert ein Stück oberhalb des proximalen Endes des 1. Zehengliedes. Der Schwanz ist relativ kurz. Der letzte Wirbel steht frei aus der Flughaut.

Der Schädel von *H. camerunensis* ist nicht nur absolut, sondern auch relativ länger als der von *cyclops*. Die Gegenüberstellung der Körper- und Schädelmaße läßt den Größenunterschied zwischen beiden Arten deutlich erkennen (vgl. auch Abb. 6). Der Hinterfuß ist gegenüber dem von *cyclops* relativ klein.

Der Nasenaufsatz zeigt im wesentlichen die gleiche Form wie bei *cyclops* und ist durch den keulenförmigen Fortsatz in der Mitte des oberen Nasenblattes ausgezeichnet (Abb. 7). Die Breite des unteren Nasenblattes (Alkoholstück 511 F) - ohne die sekundären Seitenlappen - beträgt 14.8 mm, die des oberen Nasenblattes 10.1 mm gegenüber 12.9 und 9.4 mm bei *cyclops*. Der sich hinter dem Nasenblatt longitudinal öffnende Drüsenschlitz läuft am unteren Ende in eine mäßig lange Zunge aus. Die MM besitzen einen mit langen borstenartigen rotbraunen Haaren besetzten Analdrüsensack, der sich unmmittelbar über dem After nach außen öffnet und mit der Afteröffnung zusammen in einen kloakenartigen, von der Hautfalte überdachten Vorhof mündet. Außerdem öffnet sich ein kleiner Drüsengang separat im Zentrum der Hautfalte nach außen. Wie bei *cyclops* kann der Drüsensack ausgestülpt werden. Die FF besitzen Afterzitzen, die bei dem einen Tier nur klein, bei dem anderen dagegen von

p. 528

[table removed - eds.]

ansehnlicher Länge sind. Die Vaginalgegend ist vorn und seitlich mit starren borstenartigen Haaren besetzt.

Die Zahnformel (vgl. auch Abb. 8) lautet: $^{1-1-2-3}/_{2-1-2-3} = 30$. Der 1. obere Prämolar ist sehr klein und völlig nach außen gerückt, so daß sich Caninus und 2. Prämolar fast oder ganz berühren. Der 2. Prämolar ist sehr kräftig entwickelt und überragt die Spitzen der Molaren. Die unteren Incisivi sind dreigelappt. Der 1. Prämolar ist nur etwa $^1/_3$ so hoch wie der 2. (bei *H. cyclops* erscheint er etwas höher).

Die kurze Zeit in Gefangenschaft gehaltenen Tiere waren außerordentlich bissig.

Der Typus (M, Tagebuch-Nr. 505, Katalog-Nr. s 194) und die 3 Paratypen befinden sich im Staatlichen Museum für Naturkunde in Stuttgart

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Hipposideros Commersoni mostellum Thomas, 1904

p. 385

Size small, as in *Commersoni*. Supplementary leaflets four, with rudiment of a fifth. General colour whitish, the brown Y-shaped marking of the back well defined; under surface creamy whitish, a brown line across each shoulder separating off a white patch at the insertion of the antebrachial membranes.

Skull and teeth as in true *Commersoni*, the cheek-teeth conspicuously smaller than in *gigas*.

Dimensions of the type (measured in skin): -

Forearm 92 mm.

Skull: length from cingulum of canine to back of occipital crest 32; basal length to cingulum of canine 26.5; zygomatic breadth 18; mastoid breadth 15; upper cheek-teeth, front of p^4 to back of m^3 8.4; front of lower canine to back of m_3 13.

p. 386

Hab. (of type). Tana R., British East Africa. Other specimens from Zanzibar.

Type. Male. B.M. no. 89.3.8.3. Presented by H. C. V. Hunter, Esq.

Hipposideros curtus G.M. Allen, 1921

p. 194

Hipposideros curtus sp. nov.

Type. - A female in alcohol, 19305, Museum of Comparative Zoölogy, from Sakbayeme, Cameroons. Rev. George Schwab, collector, 1920.

Description. - A small species, about the size of *H. beatus*; female without the frontal glandular sac; tail very short, barely exceeding the extended femur; wings from the distal end of tibia; calcar short, about one half the length of tibia; thumb markedly small and weak as contrasted with *H. beatus* and *H. caffer guineensis*; forearm about as in the latter but wings shorter, the combined length of metacarpal III and its proximal phalanx exceeding the forearm measurement by only 1 mm. as against 6 mm. in the two other species; metacarpals III and V subequal, IV a trifle longer, whereas in the two contrasted species metacarpals III and IV are about equal, the fifth shorter. Ears noticeably larger than in either *H. beatus* or *H. caffer guineensis*; tibia longer than in the former but shorter than in the latter.

The noseleaf is essentially similar in *H. beatus* and *H. caffer* but in the new species is of a very different appearance. The horseshoe is noticeably broader and thicker, with a slight median emargination anteriorly, the edges of which are a trifle upturned; the small cushion-like expansion of the nasal septum, nearly obsolete in the two other species, is here considerably developed, and, with the small projections at the outer border of the nasal openings, forms a partial roof over the nares.

The erect "sella" is slightly thickened, densely covered with short stiff hairs, more as in *H. beatus* rather than nearly naked as in *H. caffer*. The posterior crescent is simple and evenly convex in outline, and is divided by three vertical ridges on its anterior face. There are two lateral accessory leaflets at each side of the horseshoe, but these are very small and poorly developed.

p. 195

the outer one a mere wart and so concealed by the hair of the lip that is not easily made out; the larger supplementary leaf is only about half the latéral extent of the horseshoe, instead of nearly as long, as in *H. caffer* and *H. beatus*.

The color is not definable from the alcoholic specimen, but seems to be a uniform dark smoky brown.

Skull shows no striking peculiarities. Contrasted with that of the other two species mentioned, it more resembles that of *H. caffer guineensis* in that the width across m^3 about equals rather than exceeds the length of the maxillary tooth row; it differs from both in having more terete upper incisors, their outer sloping border without indication of the notch obviously present in the two other species; p^3 is in contact with canine and p^4, very small but barely external to the median axis of the tooth row; upper canine with a minute posterior basal cusp; lower canine very slender, nearly equalled in height by p_4; sagittal crest weakly developed, extending to the back of the parietals; nasal inflation prominent.

Measurements. - Length (circa) 67 mm., tail from anus 17, tibia 20, with the foot 27, ear from meatus 17.5, width of ear 15, calcar 10.5, forearm 47, third metacarpal 32.5, with proximal phalanx 48, fourth metacarpal 35, with proximal phalanx 45.5, fifth metacarpal 33, with proximal phalanx 45, greatest width of horseshoe 6.5, of posterior crescent 7.5.

Skull: total length 17.5 mm., zygomatic breadth 9, width outside m^3, 5.8, upper maxillary teeth 5.7, lower tooth row i_1 to m_3, 6.8.

Remarks. - Externally this small species is at once distinguishable from *H. beatus* and *A. caffer guineensis*, of similar size and inhabiting the same region, by its very short tail which barely exceeds the extended femur, by its much larger ears, by the short calcar combined with the long slender leg, and by the shorter fingers in comparison with the forearm. The noseleaf is very different, with its broad horseshoe, emarginate anteriorly, reduced

p. 196

supplementary lappets, expanded internarial septum, and hairy sella. These characters will also serve to distinguish it from *H. nanus*, of the Belgian Congo, apparently a close ally of *H. beatus*. For additional notes on the type of *H. nanus*, as well as for carefully executed drawings of its noseleaf, thanks are due Mr Herbert Lang of the American Museum of Natural History.

Hipposideros gigas niangaræ J.A. Allen, 1917

p. 438

Plate LI, Fig. 1.

Type (and only specimen), No. 49103, F ad., skin and skull, Niangara, Uele district, Belgian Congo, June 2, 1013; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 2069.

A small member of the *H. gigas* group. Dorsal hair-brown Y-patch of short

p. 439

dense fur well defined; upperparts anterior to the Y-patch with the fur much longer and looser and of a pale brownish gray, the extreme tips of the hairs, particularly on the posterior third of this area, whitish; still paler on the top and front of the head; sides of, the head lighter than the top, and joined by a narrow still lighter band enclosing the nose-leaf area; sides of back grayish posteriorly, like the anterior back, separated from the Y-patch by a whitish transverse band about 13 by 6 mm. in extent; a patch of clear white on the sides beneath the junction of the propatagium with the body and extending slightly in front of it, bounded ventrally by a band of dark hair-brown fur, a lateral extension of the dorsal Y-patch; general color of underparts yellowish gray, with a broad median band of dusky gray, the fur darker basally; ears, feet and membranes blackish. Ears long and tapering, the extreme tip slightly rounded. Membranes attached about 5 mm. above tarsal joint. Supplementary leaflets three, well-defined.

Collectors' measurements: Total length, 137 mm.; head and body, 107; tail, 30; foot, 25; ear (from outer base), 35.

Forearm (in skin), 104; third metacarpal, 72; tail, 30; lower leg, 40.5; breadth of nose-leaf, 11.7.

Skull, total length, 35.3 (39.8); zygomatic breadth, 20 (22,2); mastoid breadth, 15.8 (18.2); maxillary breadth, 14 (14.2); antorbital breadth, 11 (11); across cingula of canines, 10.5 (11.6); mandible, 24.4 (27.8); upper teeth, 13,5 (13.8-14.5); lower teeth, 15.5 (16-16.3).

The single specimen, of *H. niangaræ* is a fully adult female, with a strongly developed sagittal crest, but the teeth are not appreciably worn. It has the coloration and general characters of *H. gigas*, from which it differs in much smaller size, the forearm measuring only 104 mm. as against 108-116 mm. given by Andersen (*l. c.*, p. 48) for 6 specimens of *H. gigas*; while the total length of the skull is 35.3 as against 39.8 given by Andersen for *gigas*, with other skull measurements proportionally less.

The type locality of *H. gigas* is the Benito River in Angola, and the 8 specimens cited by Andersen are likewise all from Angola. The type, and apparently the only recorded specimen, of *H. gigas gambiensis* is from Gambia, in the same general region. On

the other hand the type of *niangaræ* is from the Uele district of the Belgian Congo, a region of quite different physical conditions and more than a thousand miles westward.

Hipposideros gigas viegasi Monard, 1939

p. 70

KNUD ANDERSEN: Ann. Mag. Nat, Hist, 7. 17. 1906. p. 42 (sur *H. gigas*)

Collection: N^{os} 908 à 926, 19 MM et FF; en plus 14 crânes de MM et FF; Madina Boé.

Les *Hipposideros* du groupe *commersoni* ont été revises par KNUD ANDERSEN dans le travail cité plus haut; il en distingue trois espèces et deux sous-espèces: *commersoni typicus* GEOFFROY, *commersoni marunqensis* NOACK, *thomensis* BOCAGE, *gigas typicus* WAGNER, *gigas gambiensis* KNUD ANDERSEN.

L'examen de notre abondant matériel, auquel il faudrait joindre une cinquantaine d'exemplaires que nous avons refusés ou qui se sont montrés trop détériorés pour la préparation, nous a démontré qu'il s'agissait d'une nouvelle sous-espèce de *gigas*, très nettement caractérisée par sa coloration, son dimorphisme sexuel, la brièveté de la queue et le faible développement de l'uropatagium. Tous nos exemplaires, sans aucune exception et sans atténuation montrent ces caractères distinctifs avec une grande netteté.

Description. Couleur: les mâles, plus grands que les femelles, plus fortement armés et plus agressifs, ont tous une couleur d'un beau jaune, parfois plus pâle, parfois plus vif; les oreilles, les appendices nasaux, les membranes sont brunes. Il n'y a pas trace des détails de coloration que donne KNUD ANDERSEN comme caractéristiques de *gigas gambiensis*: le dessin dorsal foncé en Y

p. 71

n'existe pas et ne laisse pas deviner sa prêsence; la tête a la même coloration que le dos, un peu plus claire seulement; pas trace non plus de poils bicolores: ils sont launes de la base à la pointe; le dessous est de même couleur que le dessus; pas trace encore d'une ligne claire longitudinale de chaque côté du dos, ni de tache blanche à l'insertion du propatagium (toutefois, à cette place, le jaune est plus vif). Il ne s'agit pas non plus d'une "russet phase" dont le style est le même que dans *gigas*, mais où le poil est fortement lavé, de roux.

Les femelles, plus petites, ont une coloration si différente qu'on pourrait les prendre au premier abord pour une autre espèce. La teinte jaune des MM est remplacée par un orangé extrêmement vif, même ardent. Aucune trace de tache en Y, de raie claire, de poils bicolores, de touffe blanche aux épaules, de différence entre le dos et la face ventrale, entre la tête et le tronc.

Le second caractère de notre sous-espèce est la réduction de la queue et de l'uropatagium qui en est la conséquence. Les individus de *commersoni* et *gigas* que nous avons examinés et qui proviennent des Musées de Bâle et Genève ont une queue longue de 30 mm et plus; ANDERSEN donne 34.7 à 35.5 (*commersoni*) et 31 à 39 (*gigas*). Nos exemplaires ont tous la queue du tiers plus courte, mesurant environ 20 mm seulement rarement plus; le nombre des vertèbres n'a pu être comptés, car nous n'avons pas conservé les corps, mais il nous a paru réduit à 4 ou 5? La queue est plus courte que la moitié du fémur et dépasse un peu l'uropatagium.

Le fer-à-cheval nasal est bien conformé; il est large de 11 à 12 mm, donc plus petit que dans *gigas gambiensis*; il y a trois folioles supplémentaires bien conformées et une quatrième rudimentaire.

L'oreille est du type de *gigas*, relativement petite et pointue.

Le crâne, qui chez les vieux mâles, est plus grand que dans *gigas gambiensis*, lui ressemble parfaitement. Les canines sont très longues, de section triangulaire, chaque face sillonnée, avec un faible tubercule accessoire postérieur. La première prémolaire est petite, arrondie, rejetée en dehors de la ligne dentaire, coincée dans l'angle formé par la canine et la seconde prémolaire. Celle-ci tranchante, plus élevée que la première molaire. Les deux premières molaires sont normales, la dernière réduite. Les crêtes

p. 72

sagittales et lambdoïdes sont extrêmement saillantes, la première presqu'aussi haute que la boîte crânienne dans certains exemplaires. Incisives inférieures trifides, canines triangulaires, les prémolaires et molaires comme dans *gigas*.

Cette nouvelle et remarquable forme de Chiroptères est dédiée à M. CARVALHO VIEGAS, gouverneur de Guinée.

[table removed - eds.]

Distribution géographique. Les espèces et sous-espèces du groupe de *commersoni* se distribuent selon le schéma suivant:

Gambie: *gigas gambiensis*
Guinée portugaise: *gigas viegasi*
Angola, fleuve Muni, Benguela: *gigas typicus*
S. Tomé: *thomensis*
Tanganyika, Moçambique, Brit. East Afr., Zanzibar: *commersoni marungensis*
Madagascar: *commersoni typicus*

Mœurs. Ces chauves-souris nous furent apportées un soir à notre campement du Boé par un indigène qui en avait rempli trois

p. 73

sacs. Nous n'avons pas compté le nombre des individus, mais il pouvait y en avoir en tout une centaine. Féroces et agressives, leur maniement n'était pas sans danger. L'heure étant très tardive et mes boys absents, je me suis fait aider par l'indigène. Nous en attachâmes une partie aux branches avoisinantes, en laissâmes quelques-unes dans leurs sacs et en libêrames une moitié environ. Celles qui étaient renfermées dans les sacs se battirent toute la nuit en poussant des sifflements aigus; elles finirent par se tuer mutuellement et furent pour la plupart inutilisables à cause des blessures qu'elles s'étaient faites. Il n'était pas question de les conserver en alcool; l'épaisse couche de graisse dont elles étaient toutes munies, eût rendu impossible la pénétration du liquide et la bonne conservation des sujets; la préparation des peaux fut rendue répugnante et difficile par la même raison.

Ces Chiroptères vivaient en grande société dans les trous des arbres de la forêt du Boé, toutes au même endroit. L'indigène qui nous les a amenées a dû épuiser la colonie, dans l'espoir d'une plus forte récompense. Les individus libérés s'enfuirent immédiatement et s'allèrent loger dans l'épais bosquet où j'avais établi mon campement. Toutefois. je n'en vis plus trace les jours suivants, et il est possible qu'ils aient, à la manière des pigeons voyageurs, rejoint leur station d'origine

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Hipposideros jonesi Hayman, 1947

p. 71

Type. - B.M. No. 47.629, collector's number 42, F in alcohol, collected with two other FF, B.M. Nos. 47.627, 47.628, at Makeni, Sierra Leone (in cave), 12 December, 1946.

Diagnosis. - A medium-sized *Hipposideros* (forearm 48 mm.), distinguished by the combination of very large ears with a very distinct form of nose-leaf, in which the internarial septum is greatly expanded and the posterior transverse leaflet is greatly lengthened (see figure). Skull of the *H. bicolor* type, with mastoid-breadth-considerably exceeding zygomatic breadth.

Description. - Ears very large, length from meatus 23 - 23.5 mm., greatest breadth 20 - 21 mm., rounded, with a small fold on the lower part of outer margin. Nose-leaf quite distinct in form, characterised by (a) the wide main horseshoe with broad free margin, covering the whole of the muzzle, and having no median emargination, (6) the single wide lateral leaflet, (c) the greatly expanded internarial septum, which is developed into a broad fleshy oval pad, with slight median longitudinal groove, concealing the nares from view, (d) the wide sella with slightly undulating upper margin and with four small warts on the upper part of the anterior surface, and (e) the greatly lengthened posterior leaflet with strongly curved upper margin and having on its basal portion

p. 72

three weak vertical ridges dividing the basal portion into four shallow cells. The visible portion of this posterior leaflet occupies one-third of the total length of the whole nose-leaf. All surfaces of the nose-leaf are well haired. The measurements of the nose-leaf of the type are: greatest length from anterior margin of horseshoe to upper margin of posterior leaflet 15; breadth of horseshoe and of posterior leaflet 8; breadth of internarial septum 4.7, length 3. (All measurements in millimetres.)

The thumb is weak, metacarpals III. and V. subequal, IV. slightly longer. Legs are long, with wing attached at end of tibia. Terminal tail vertebra free of membrane.

There is no frontal sac in the three females examined.

p. 73

The colour above is a uniform smoky brownish grey, the hairs being dark basally, with pale grey median zone, and terminally as described. Below the general colour is paler, the hairs being without the terminal smoky zone.

Skull and teeth: the skull has the general proportions of a typical member of the *H. bicolor* group, particularly in the wide expansion of the brain-case and narrow zygomatic breadth. The upper incisors are slightly bilobed, upper canines with weak basal cusp, the small p^2 separating and in contact with canine and p^4. Lower incisors are trilobed, canines slender, p_2 well developed and about half the height of p_4.

Measurements of type and two paratypes (latter in parentheses). - Head and body 52 (52, 53), tail 25 (22, 27), hind foot 7.5 (8, 7), ear-length from meatus 23 (23, 23.5), ear, greatest breadth 21 (20, 20), forearm 48 (49, 48), tibia 22 (22, 22), metacarpal III. 35 (35, 36), metacarpal IV. 36 (36, 38), metacarpal V. 34 (33, 35) ; skull of type and one paratype, greatest length 18.2 (19.1), condylobasal length 17.2 (17.4), palatal length 7 (6.9), mastoid breadth 10 (10), zygomatic breadth 8.5 (8.3), interorbital breadth 2.8 (2.9), breadth across canines 3.6 (3.8), breadth across m^3-m^3 6 (5.9), upper tooth-row c-m^3 6 (6.2), height of rostrum 5 (5.2), height of cranium from bulla 7.7 (7.5), manidbular length 10.9 (11.7).

Remarks. - *Hipposideros jonesi* stands apart from any of the groups defined and keyed by Tate (1941). Although in size and form of ears and in mastoid breadth exceeding zygomatic breadth it approaches the *bicolor* group, in other respects, such as the well-developed single lateral leaflet and absence of frontal sac it differs widely from that and the other groups. The expanded internarial septum is far better developed than in *H. curtus* from the Cameroons (breadth 4.7 against 1.7), and the greatly developed posterior leaflet removes it from other groups.

Hipposideros lamottei Brosset, 1985

p. 548

Parmi les Chiroptères collectés au Nimba figurent six spécimens se rapportant à une forme d'*Hipposideros* apparemment inédite que nous décrirons ci-après comme *Hipposideros lamottei*, en hommage à M. Lamotte qui organisa la mission au Nimba.

Type M ad. - collect.: Brosset, Pierre Richaud, déc. 1983, Muséum de Paris, CG 1984-487.

Cotypes 2 M, mêmes date et provenance, Muséum de Paris, CG 1984-488 et 489; 1 F et 1 M, mêmes date et provenance, Mus. de Genève; 1 M ad., déc. 1983, grotte de Blandé, Mus. de Genève.

Matériel de comparaison: 5 *Hipposideros ruber*: 1 M et 2 F ad., Mus. de Genève; 1 M CG 1984-490 et 1 F CG 1984-491, du Mus. de Paris. Tous provenant de la grotte de Blandé (collect. Lamotte-Aellen 1963 et Brosset 1983).

Diagnose.

Hipposideros de taille moyenne, du groupe *caffer-ruber*, plus grand que *caffer* et différent de la sous-espèce sympatrique de *ruber*, *H. ruber guineensis*, par des dimensions corporelles plus grandes et un crâne plus petit; autres différences concernant les oreilles, la feuille nasale, la forme du crâne et les dimensions des dents.

p. 549

Morphologie externe de *H. lamottei*.

Ressemble à celle des autres *Hipposideros* du groupe *caffer-ruber*. Diffère de *ruber* par des oreilles plus courtes de 2 mm; le processus postérieur de la feuille nasale forme un bourrelet rectiligne se terminant par un angle presque droit aux extrémités (Fig. 1), sa longueur étant égale ou supérieure à la largeur de la feuille nasale (inférieure chez *ruber*). Toutes les dimensions corporelles

[Table removed - eds.]

dépassent celles des formes décrites du groupe *caffer-ruber* (Tabl. 1). Présence d'un sac frontal chez les deux sexes. Pelage brun (rougeâtre chez les adultes de *ruber guineensis*.

p. 550

... corporelles, toutes les dimensions du crâne sont inférieures chez *lamottei* à celles relevées chez la forme sympatrique de *ruber* (Tabl. 2). Le crâne de *lamottei* est plus étroit et d'apparence

[Table removed - eds.]

p. 551

générale moins robuste. La distance entre C^1-C^1 et M^3-M^3 est plus faible, d'où un palais plus étroit chez *lamottei*. Le profil de la capsule crânienne présente une dépression caractéristique en son milieu, alors que celle de *ruber* réalise une courbe assez régulière (Fig. 2). La denture est considérablement plus faible chez *lamottei*.

p. 552

Cette forme a peut-être été déjà collectée au Nimba, où d'importantes séries d'*Hipposideros* ont été constituées (Verschuren, 1976; Wolton et al, 1982), mais elle n'aurait pas été distinguée de *ruber guineensis*. Peut-être s'agit-il d'une espèce montagnarde, encore qu'elle soit présente à Blandé, à 500 m d'altitude.

Répandus dans l'ouest du Maroc et toute l'Afrique tropicale, les *Hipposideros* du complexe *caffer-ruber* sont probablement les mammifères les plus nombreux du continent africain, et aussi les mieux représentés dans les collections scientifiques. Cependant, l'individualisation des espèces de ce groupe, composé de populations géographiques variables, est très compliquée, et la systématique en serait à reprendre à l'aide de critères de distinction non exclusivement morphologiques: étude des formes sympatriques et allopatriques, des caractères chromosomiques, de l'écologie et du comportement.

La validité d'une distinction spécifique entre *caffer* et *ruber*, fondée sur des caractères ténus et géographiquement variables, avait été mise en doute (Aellen et Brosset, 1968) jusqu'à ce que Adam et Hubert (1972) aient montré qu'au Sénégal les deux formes vivent en association dans de mêmes gîtes, ce qui prouve leur isolement génétique. L'extension à d'autres régions de l'étude des formes sympatriques du complexe *ruber-caffer* permettrait probablement d'isoler d'autres espèces, non décrites ou considérées comme des sous-espèces de *ruber* ou de *caffer*.

Observations "in natura".

Cinq spécimens d'*H. lamottei* furent capturés près du Pierre Richaud (1 450 m), un autre à la grotte de Blandé (500 m). Ces deux cavités sont distantes de 6 km à vol d'oiseau.

La grotte de Blandé est située au pied du Mont Nimba, près de Ziéla, dans une vallée encaissée, en forêt dégradée. Elle se présente comme un abri sous roche assez vaste, se prolongeant au fond par un réseau dé galeries et sous-bassements exigus. Ces galeries étaient connues pour abriter une colonie d'*Hipposideros ruber* (Aellen, 1963). Nous y avons capturé 3 représentants de cette dernière espèce et 1 *H. lamottei*. Une colonie de *Rousettus aegyptiacus* qui habitait le porche de Blandé

(M. Lamotte, *viva voce*), n'a pas été revue en décembre 1963, bien que de nombreuses traces témoignent de sa présence récente.

La galerie de mine de la face N.E. du Pierre Richaud, où furent collectés 5 spécimens, dont le type de *H. lamottei*, s'ouvre sur une pente abrupte, dépourvue de végétation arbustive. La galerie, creusée dans le minerai de fer, est rectiligne, haute et large d'environ 2 m, profonde d'environ 100 m. La colonie d'*Hipposideros* comptait 130 individus, en majorité du type brun (non rouge, comme *ruber*). Dix individus, examinés à l'extérieur, répondaient au type *lamottei*. Les deux sexes étaient représentés (5 M - 5 F) mais il n'y avait aucun jeune ni aucune femelle visiblement gravide. Le cycle de reproduction est probablement boréal. 4 *Lissonycteris* cohabitaient avec ces *Hipposideros*.

Hipposideros langi J.A. Allen, 1917

p. 434

Text Figs. 4-6.

Type, No. 49098 (skin and skull), M ad., Avakubi, Jan. 24, 1914; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 2481.

A large species, with long, soft, woolly pelage, allied in general features to *Phyllorhina cyclops* Temminck.

p. 435

Upperparts, in general effect, blackish grizzled with white, the pelage being brownish black at base and apically with a narrow subapical zone of white; head grayish brown, much lighter than the back; with dusky eyerings; underparts uniform dusky brown, the tips of the hairs lighter, giving a decidedly grayish general effect, considerably lighter than the back. Proximal half of forearm heavily furred. Ears and membranes naked, blackish brown, the wing and leg bones and the feet much lighter than the membranes, especially on the ventral aspect.

Ears narrow and attenuate, tapering apically to a sharp point. Interfemoral membrane deeply hollowed; tail very short, about one-third of the length of head and body, the terminal vertebra free. Thumb short. A large frontal sac in both sexes, lined with silky straight hairs, wholly white, or white at base with light brownish tips. When the sac is everted these white hairs form a conspicuous white tuft. A glandular pouch is present in males just in front of the anus, lined with long, rusty brown bristly hairs, which when the pouch is everted form a conspicuous tuft, the hairs being more or less obvious even when the pouch is not everted. The females appear to lack the anal pouch, but have in its place a pair of elongated nipple-like papillæ, usually clubshaped or thickened apically. Those are conspicuous in alcoholic specimens and usually readily observed in dry skins. They are situated about 5 mm. apart and have a length of about 8 mm.

Nose-leaf very broad (about 20 mm. wide); posterior leaflet narrow (about 10 mm. wide), with a narrow central point 2 mm. high and 0.5 mm. wide. The nostrils are enclosed posteriorly and laterally by a fleshy conch-shaped border. There is a prominent fleshy knob at the posterior border of the nose-leaf, and two supplemental leaflets, the inner strongly and the outer weakly developed.

p. 436

Type, total length (collectors' measurements), 114 mm.; head and body, 87; tail, 27; foot, 20; ear, 33.
Collectors' measurements of 4 adults (3 females and the male type), total length, 113 (110-116); head and body, 85.5 (83-87); tail, 28 (27-30); foot, 19.5 (19-20); ear, 33.8 (33-35).

Forearm in 10 specimens (6 skins and 4 alcoholics), 68 (66.2-68.8).

Type skull, total length, 28.1; condylobasal length, 25.1; zygomata breadth, 14.0; mastoid breadth, 12; interorbital breadth, 2.8; breadth at base of canines, 8.4; maxillar breadth; 10.7; maxillary toothrow (c-m^3), 10.1; length of mandible, 18.6; mandibular toothrow (c-m_3), 10.0.

Six adult skulls (5 females and the male type), total length, 28.4 (28-29); condylobasal length, 25.2 (24.5-25.7); zygomatic breadth, 15.4 (14.9-15.9); mastoid breadth, 12.1 (11.8-12.4); interorbital breadth, 2.9 (2.8-3.1); breadth at base of canines, 7.8 (7.2-8.4); breadth of rostrum (at point of greatest inflation), 8.2 (8-8.5); maxillar breadth, 11 (10.7-11.3); maxillary toothrow (including canine), 10.1 (9.8-10.4); length of mandible, 19 (18.4-19.4); mandibular toothrow (including canine), 11 (10.9-11.2).

P^2 is minute, and stands outside of the toothrow, the cingula of the canine and p^3 being in close contact.

Posterior border of palate broadly U-shaped, with a slight median point, and extends to a line passing through the posterior border of m^2.

Represented by 14 specimens, of which 5 are alcoholic, collected as follows: Avakubi, 4, of which 3 were taken Jan, 24-26, 1914, and 1 in October, 1913; Niangara, 2, Dec. 3 and 6, 1910; Medje, 7, April 27 and Sept. 3, 1910; Niapu, 1, Oct. 28, 1914. Two of the Medje specimens are half-grown young, and two others are young

p. 437

adults, not fully mature as regards size. The others are fully adult, all with perfect skulls except the Niapu specimen, of which the skull is too much broken for measurement.

The specimens represent two seasonal periods, April, and September-January. The April specimens (from Medje), in worn pelage, are browner and the light tips of the hairs are stained faintly yellowish in contrast with the clear blackish brown ground-color and whitish hair-tips of the Septem-

p. 438

ber-October and January specimens. That the difference is probably purely seasonal is indicated by a Medje specimen taken in September, which is dark with white hair-tips, like the October-January specimens from other localities.

In its soft woolly pelage and other external features *Hipposideros langi* appears to resemble closely *Phyllorhina cyclops* Temminck, from the Boutry River, Guinea, but it is a much larger species and darker in coloration, being blackish brown with white hair-tips instead of dull brown with yellowish hair-tips. *H. cyclops*, however, appears to be little known, the only original references to it being Temminck's description and Dobson's account, based on two specimens, including one from the Cameroon Mountains, the other without definite locality. Neither of these descriptions is very satisfactory, the character of the skull not being mentioned in either. Dobson's measurements indicate a total length of about 93 mm., and Temminck's a total length of about 89 mm., as against an average of 113 mm. for 4 specimens of *H. Langi*. Dobson gives the length of the forearm as 62.2, as against an average of 68 in 10 specimens of *H. langi*. Temminck gives the length of the forearm as 38 mm. ("antibrachium 1 police 7 lignes"), which is obviously an error (possibly a misprint for 2 pouces 6 lignes = 63 mm.). The type localities of the two forms are widely separated. Dollman, however, has recorded two specimens from Avakubi (Rev. Zool. Africaine, IV, fasc., 1, 1914, p. 70), as "*Hipposideros cyclops*, Temm.," which probably are referable to the present form.

H. langi differs greatly from all the African species of the genus *Hipposideros* except *cyclops*, from which it is distinguishable by much larger size and darker coloration.

Hipposideros marisae Aellen, 1954

p. 474

TYPE. - M adulte, collection personnelle; n° original 400; Duékoué (Côte d'Ivoire), rocher de la Panthère Blanche, 13.5.1953.

DIAGNOSE. - *Hipposideros* de petite taille (avant-bras 41 mm.), voisin de *curtus* du Cameroun (avant-bras 44-47 mm.) dont il a les mêmes proportions externes, mais s'en distinguant par la feuille nasale plus petite qui ne possède qu'une seule foliole secondaire très rudimentaire (deux dans *curtus*) et par la forme du crâne dont la largeur zygomatique est subégale à la largeur mastoïde, alors que cette dernière est plus grande chez *curtus*.

DESCRIPTION. - Les oreilles sont grandes, presque aussi larges que longues, bien séparées sur le sommet de la tête, de même forme que chez *curtus*, c'est-à-dire que le bord interne est régulièrement convexe; le sommet à angle droit est arrondi et le bord externe présente une échancrure à 1.5 mm. du sommet; le lobe antitragal est séparé du pavillon par une deuxième échancrure moins importante; à ce niveau, il n'y a pas de pli interne ("internal fold") comme chez les espèces du groupe *bicolor*, auquel la nouvelle espèce pourrait s'apparenter.

Le sac frontal est très net et s'ouvre transversalement à 1 mm. en arrière du processus postérieur de la feuille nasale.

Celle-ci est du type *curtus* et ne diffère essentiellement que par ses dimensions nettement inférieures: la largeur du processus postérieur représente le 13 % de l'avant-bras pour 16-16.5 % chez *curtus*. Il n'y a qu'une seule foliole secondaire très petite et peu visible; en réalité, il s'agit plutôt d'une verrue allongée que d'une vraie petite feuille.

p. 475

Les plis palataux sont au nombre de six; les trois premiers sont nettement courbes et les trois derniers presque droits; le 3^{e} est situé entre les dents P^4-M^1, le 6^{e} au milieu de M^2.

L'aile présente les mêmes proportions que celle de *curtus*. Les métacarpes III et V sont subégaux, le IV ^{e} légèrement plus long.

Les tibias sont longs (44 % de l'avant-bras), de même que les pieds (env. 18 % de l'avant-bras). La queue est remarquablement courte (48 % de l'avant-bras) et libre sur les deux derniers millimètres.

Le patagium est inséré à l'extrémité distale du tibia, comme chez *curtus*.

La coloration est très uniforme: gris foncé dessus et dessous; les oreilles et le patagium sont brun-noir; la feuille nasale est noirâtre sur les bords et au processus postérieur, brun clair au processus médian (selle).

La forme générale du crâne est la même que chez *curtus* et bicolor. On peut remarquer la petitesse du rostre et la grande largeur zygomatique: le renflement nasal (mesuré au-dessus de l'insertion antérieure des arcades zygomatiques) n'est que le 46 % de la largeur zygomatique, alors que chez *curtus*, il représente le 54 % et chez *bicolor* le 50 %. Ce faible renflement nasal donne au crâne un profil supérieur peu concave, au-dessus des orbites. Les bulles tympaniques sont relativement petites. La largeur mastoïde est légèrement inférieure à la largeur zygomatique. La crête sagittale est faiblement développée.

Les dents ne présentent aucune particularité et sont tout à fait comparables à celles de *curtus*. Les incisives supérieures sont simples, sans trace de lobe postérieur et la couronne est dirigée vers l'intérieur. La canine est nettement séparée de la 2^{e} prémolaire (P^4) par la 1re prémolaire (P^2) qui est très petite et située au bord externe de la rangée dentaire. La dernière molaire

(M^3) est réduite dans les mêmes proportions que chez les espèces du groupe *bicolor* et chez *curtus*. Les incisives inférieures sont tricuspides, I_1 chevauchant I_2. La canine est étroite et la 1re prémolaire inférieure (P_2) mesure environ la 1/2 de la hauteur de la 2e (P_4).

REMARQUES SUR LA POSITION SYSTÉMATIQUE DE *H. marisae*. - Cette nouvelle espèce n'entre dans aucun des groupes définis par

p. 476
[Tables removed - Eds.]

p. 477

TATE (1941). Elle se rapproche le plus de *curtus* du Cameroun, que son descripteur, G. M. ALLEN (1921) compare à *beatus* et *caffer guineensis*. TATE place *curtus* dans le groupe *caffer* qu'il fait dériver du groupe indo-australien *galeritus*. Cependant, j'ai déjà attiré l'attention sur les affinités possibles de *curtus* avec le groupe indo-australien *bicolor* (AELLEN, 1952).

Il semble bien que l'on ne peut pas admettre *curtus* dans le groupe *caffer*. TATE a principalement étudié les rapports entre les formes orientales du genre *Hipposideros*; il dit précisément (1941, p. 353): "African species of *Hipposideros* haven been studied only in order to learn their relationships to Oriental species. No study bas been made of sub-relationships within African groups, such as *caffer* and its allies."

Dans le tableau comparatif suivant, je résume les principaux caractères distinctifs de *marisae*, de *curtus* et des espèces des groupes *bicolor* et *caffer*. Le groupe *galeritus*, duquel le groupe *caffer* semble dérivé, présente généralement les caractères indiqués ci-dessous pour *caffer*.

Avec ces données, on se rend compte que les espèces *marisae* et *curtus* s'écartent notablement du groupe *caffer*; elles de rapprochent beaucoup du groupe *bicolor*, mais les différences me

p. 478

[table removed - eds.]

p. 479

semblent suffisantes pour justifier la création d'un nouveau groupe qui est ainsi défini:

Groupe *curtus*, n. gr.

Oreilles grandes (40-45 % de la longueur de l'avant-bras), plus longues que larges, à bord externe concave sans pli interne à la base. Sac frontal présent chez le mâle, parfois absent chez la femelle (type de *curtus*). Feuille nasale de taille variable, mais présentant une cloison internariale élargie, claviforme; 1 ou 2 petites folioles secondaires. IVe métacarpe plus long que les IIIe et Ve. Indice de largeur 19-22, indice digital 1.15-1.17. P^2 petite, située au bord externe de la rangée dentaire, séparant C de P^4.

Hipposideros nanus J.A. Allen, 1917

p. 434

Type No. 49426 (alcoholic), F ad., Faradje, Uele district, Belgian Congo, Oct, 24, 1912; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 1689.

A very small species of the *H. beatus* type.

Upperparts dusky brown, the hairs dark at base and tips with a broad median zone of white; underparts lighter, the hairs with grayish tips; ears and membranes dark brown.

Total length, 68 mm.; head and body, 46; tail, 22; forearm, 43.4; third metacarpal, 31; tibia, 16.5; foot, with claws, 7.9; ear, length, 9.2, width, 12; greatest breadth of horseshoe, 5; of posterior leaf, 5.5.

Skull, total length; 16.2 (16.8) ; zygomatic breadth, 8.2 (9.7); mastoid breadth, 8.5 (9.2); maxillary breadth, 5.5 (7), breadth at base of canines, 4.5 (4.3-4.7); mandible, 9.5 (10.7-11.3); upper toothrow (c-m^3), 5.2 (5.9-6.2); lower toothrow, 5.7 (6.2-7).

Represented by only the type.

Hipposideros nanus is nearly related to *H. beatus* Andersen (*l. c.*, p. 279), from near Benito River, Guinea, and may be considered as its geographical representative in the Uele district of northeastern Belgian Congo.

Hipposiderus beatus K. Andersen, 1906

p. 279

Smaller than *H. caffer*, with very short tail and tibia. Skull small and very broad-jawed.

In all forms of *H. caffer* the maxillary width (across the antero-external corners of m^3) is practically equal to the length of the maxillary tooth-series; in *H. beatus* the former is markedly greater than the latter (7 mm. as against 5.9-6.2); the great maxillary width, combined with the small size of the skull, makes the cranium of *H. beatus* easily distinguishable from that of any race of *H. caffer*. The zygomatic width is larger than the mastoid width, as in *H. c. centralis* and *guineensis*.

The teeth are of the same size as in the small-toothed *H. c. typicus*. The dentition, although in all essential respects

p. 280

as in *H. caffer*, seems to be a trifle more advanced: p^2 is in all the three specimens examined exceedingly small, so small indeed as to be very easily overlooked.

Externally this bat is readily distinguished from *H. caffer* by its small size and very short tail and tibia (see measurements below, p. 282). The wing-membrane is inserted on the middle or distal part of the metatarsus or on the base of the phalanges; in *caffer* it is never produced further backwards than the base of the metatarsus, and this but very rarely.

Type: - F ad. (in alcohol). 15 miles from Benito River; Feb. 1899. Collected by G. L. Bates, Esq. Brit. Mus. no. 0.2.5.45. - A second specimen (Brit. Mus. no 5.5.23.11), also obtained by Mr. Bates, is from Efulen, Cameroons. A third specimen +, from Mt. Coffee, Liberia is preserved in the Washington Museum (no. 83857) ++.

Judging from this, *H. beatus* is distributed over the countries bordering the Gulf of Guinea, from Benito River to Liberia. This it inhabits the same region as the large-skulled and large-toothed *H. c. guineensis*.

* Dention in 76 skulls of *H. caffer* (all races): - p_3 always wanting. p_2 and p_4 never separated; in 10 specimens in simple contact, in 66 overlapping each other at bats. p^2 always external to the series and always easily observable. Upper canines and p^4 in 21 specimens distinctly separated; in 39 extremely slightly separated or almost in contact; in 3 completely in contact on one side of the jaw only, in 13 on either side.

+ For the loan of this specimen I am indebted to the Authorities of the United States National Museum. It is one of the *Hipposiderus caffer* mentioned by Gerrit S. Miller in his paper on a collection of small mammals from Mount Coffee, Liberia (Proc. Wash. Acad. ii (1900) p. 647; forearm 42 mm.).

++ A fourth specimen, not examined by me, is in a Continental (probably Swedish or German) Museum: - In his "Säugethiere aus Kamerun, West-Afrika" (Bih. Kgl. Svenska Vet.-Akad. Handl. xxiii. Afd. iv. no. 1, p. 18; 1897) Dr. Yngve Sjöstedt gives some external measurements of 10 "*H. caffer*"; no. 1 is Sundevall's type, from Port Natal; nos. 2-8 and 10, all from Cameroon, are probably *H. c. guineensis*; no. 9, also from Cameroon, with the forearm measuring 44 mm., the tail 24, and the tibia 16, is undoubtedly a *H. beatus*.

Hipposiderus caffer centralis K. Andersen, 1906

p. 277

Large-toothed, large-skulled, and broad-jawed.

The skull is larger and in every respect more heavily built than in the typical form. The zygomatic width is almost invariably slightly larger than, or at least equal to, the mastoid width, which gives the skull in upper view a very characteristic aspect as compared with that of *H. c. typicus*. The maxillary width is markedly larger: 6.8-7.1 mm., as against 6-6.2 in the typical form; in conformance with this the width across the canines and the anteorbital width are slightly larger. The teeth are considerably larger, the mandible longer.

Externally, this form is *on an average* larger than *H. c. typicus*, but the difference is practically far less well marked than in the skulls and teeth (for details, see *H. c. typicus*). The colour of the fur, both in the dark and red phase, is darker than in the typical form, but lighter than in *H. c. guineensis* (see this latter, below).

Type: - M ad. (skin). Entebbi, Uganda. Presented by F. J. Jackson, Esq. Brit. Mus. no. 99.8.4.8.

26 specimens have been examined, from: - Takaungu, Mombasa, British East Africa (4); Dar es Salam, German East Africa (1); Zomba, Nyasa (1) §; Entebbi, Uganda (9); Stanley Falls, Upper Congo (3); Leopoldville, Lower

p. 278

Congo (2)*; Wathen, Lower Congo (1); 75 miles up the Congo River (4)*; Caiala, Bihé, Angola (1)+. - 16 skulls, from all the localities enumerated.

According to this, *H. c. centralis* is distributed in a broad belt across the Equatorial region of Africa, from British and German East Africa and Nyasaland in the East, through Uganda and the whole of the Congo Valley, to the western coast of the continent; like the typical form it extends to Angola.

Hipposiderus caffer guineensis K. Andersen, 1906

The extreme in the maxillary width of the skull and the intensity of the colour of the fur.

The skull and teeth of this form are of the same size as in *H. c. centralis*; but the maxillary width on an average decidedly larger: 7-7.7 mm., as agains 6.8-7.1.

External dimensions as in *H. c. centralis*.

The colour of the fur is markedly darker than in any other race: - Back approaching "seal-brown," base of hairs scarcely lighter; upperside in front of the shoulders "hair-brown," base of hairs next to "bistre"; underside dull "drab," base of hairs next to "bistre." - I have seen no very young specimens of this form.

Also the red phase is darker than in the other races: - Upperside "cinnamon-rufous," in some individuals so dark as to approach "chestnut"; underside "cinnamon-rufous" or "hazel." Different at a glance from the corresponding phase of the typical form.

Type: - F ad. (skin). Como River, 70 miles from Gaboon, almost sea-level; June 3rd, 1897. Collected by G.L. Bates, Esq. Brit. Mus. no. 97.12.1.11.

27 specimens examined, from: - Como River (4); Gaboon (1); Benito River (4); Fernando Po (9)++; Cameroon Mts. (1); Efulen, Bulu Country, Cameroon, 1500-1800 ft. (4); Old Calabar (1); Mt. Coffee, Liberia (3) §. - 23 skulls, from all the localities enumerated.

According to this, *H. c. guineensis* is distributed from

p. 279

Como River westwards, through the countries bordering the Gulf of Guinea (including the island of Fernando Po), at least as far as Liberia.

Hypsignathus H. Allen, 1862

p. 156

Head large, massive. Face greatly developed, anterior portion humped. Nose very high, blunt, corrugated. Nostrils produced; opening laterally; bounded internally and inferiorly by a projection of the coriaceous membrane, which by its continuation externally forms a lateral fold. This expansion, after descending from the posterior part of the nostril to the lip, runs along the line of the upper jaw, forming the outer wall of a distinct groove, the inner wall of which is made by the true lip. Just as this remarkable membrane turns down from the anterior nares, it also extends forward, clearly defining the boundaries of the snout. From the lower anterior part of each nostril a leathery ridge extends to the mouth. These divide the muzzle into three distinct sulci. The chin is peltated, and indistinctly divided into halves by a mesial line. Ears small, naked, without tragus and tufted at base. Wings thrown very far back. Basal joint of thumb small. Index finger clawed. Interfemoral membrane small, ecaudate. Lower incisors closing anterior to the upper.

Dental Formula, m $^{3}/_{5}$, c $^{1}/_{1}$, i $^{4}/_{4}$, c $^{1}/_{1}$, m $^{3}/_{5}$ = 28.

Skull remarkably high. Nose broad at summit, occasioned by the development of the nasal bones. Extending from the canines to near the top of the face is an irregular ridge for the insertion of the curious nasal membrane already noticed. The infra-orbital foramen opens posteriorly to the entire dental series. The skull is broader between the eyes than in other Pteropines. Post-orbital processes stout, short and pointed outwards and backwards. Cranium small, comprising but a third of the entire head. A parietal crest is present for about two-thirds its length, when it abruptly terminates at the apex of a small triangle which is formed by the want of approximation of the hinder

p. 157

portion of the temporal fossæ. Occipital ridge well marked and leaning backwards. Foramen magnum orbicular. Palatal bones united with the deeply arched mouth by a greater angle than that of *Pteropus*. The foramen incisivum is cordate.

The *lower jaw* is flattened and irregular, depressed at symphysis. The two halves unite at a less acute angle than in *Pteropus*. The coronoid process is low, and the angle which it forms with the alveolar ridge is so slight that the distance from the top of the process to the last molar is equal to one half the distance from the same point to the small pre-molar. The condyloid process is about one-half the distance between the base of the jaw and the top of the coronoid.

The superior incisors are small unicuspid, regular and separated from one another. The distance between the canines and the laterals is greater than the distance from one incisor to another. The canines are slender, convex anteriorly, point slightly backward, and, when the jaws are closed, nearly touch the plane on which the skull rests. The first molar is pointed; the second and third are much alike, the posterior being smaller and less trenchant, the external cusp being the larger.

The inferior incisors are small, separated, the space between the centrals exceeding that between the laterals. The canines are smaller and blunter than those above, and lean strongly backwards. The premolar, which is absent above, is here present; it is very minute, shaped, like an incisor, is nearer the canine than the second molar, is directed backward and outward, and, when the jaws are closed, is observed to be placed *anterior* to the superior cuspidatus. The first and second molars assume the carnivorous type; the second has two cusps divided as usual by a longitudinal groove; the third and fourth have their cusps much worn, the latter being little more than flattened tubercles.

As mentioned above, the articulation is curious; the inferior incisors close in front of the superior, so as to completely hide them.

Kerivoula africana Dobson, 1878

p. 335

Ears and tragus almost quite similar to those of *K. hardwickii*, but longer than the head; thumb shorter; wings from the base of the toes.

The fur extends upon the base only of the interfemoral membrane and along the legs to the backs of the feet; a few fine hairs extend along the calcanea and margin of the interfemoral membrane, but not so thickly as to form a fringe. The face is nearly naked between the eyes, but long hairs arise from the glandular eminences in front, and also form a fringe along the margin of the lips.

On the upper surface the fur is dark brown at the base, the extremities greyish brown; beneath similar, but paler.

Inner upper incisor on each side long, with a distinct outer cusp; outer incisor unicuspidate, exceeding the outer cusp of the inner incisor, and nearly equalling that tooth in vertical extent. First upper premolar smaller than the third and equal to the second premolar; lower premolars equal.

Length (of the type, a M, preserved in alcohol), head and body 1".35, tail 1".35, head 0".5, ear 0".5, tragus 0".3, forearm 1".1, thumb 0".2, third finger 2".15, fifth finger 1".6, tibia 0".45, calcaneum 0".5, foot 0".25.

Hab. East coast of Africa (Zanzibar).

Type in the collection of the Paris Museum.

This is the smallest species of *Kerivoula* as yet described. It resembles *K. hardwickii* very closely in general form, but may be at once distinguished by the upper incisors.

Kerivoula argentata Tomes, 1861

p. 32

In the Proceedings of this Society for 1858 I described at some length the peculiarities of the present group of Bats, giving my reasons for regarding these peculiarities as generic. All that was stated respecting the several species then enumerated may with equal exactness be said of the present one; and I may add that I have since that time again examined the fine collection of Bats in the Leyden Museum, and that, with the exception of identifying my specimens of *K. papillosa* with the *Vespertilio papillosus* of M. Temminck, and examining a specimen of my *K. ærosa*, labelled "Gorontalo," I saw nothing which in any way either confirmed or modified my previous opinions of the genus.

The present species is of larger size than either of the African species before described, fully equal in size to the *K. papillosa*, and in the colour of its fur it differs from all the other species.

Compared with the African species which it most nearly resembles, it possesses some of the characters of both *K. lanosa* and *K. ærosa*.

The top of the head is elevated in about the same degree as in *K. ærosa*; and it greatly resembles this species in the shape of the muzzle and the distribution of the hair on the face; but in the shape of the ears it approaches more nearly to *K. lanosa*, differing from it only in having the inner rounded margin toward the top of the ears more prominent even than in that species. The tragus is remarkably narrow, and tapers evenly to an exceedingly acute point; near the bottom of its outer edge is a narrow notch, or rather slit, and below it a small and pointed process, which is placed, in fact, immediately above what may be called the foot-stalk or narrow root of the tragus. Inside the ear, and vertically beneath the tragus, is a well-defined fleshy tubercle, of a flattened form, and about one line in length.

In the quantity and distribution of the fur on the membranes, this species is intermediate between *K. lanosa* and *K. ærosa*, but it has fewer adpressed hairs on the wings than either. The fur of the back extends on to the membranes of the flanks a little, and on to the interfemoral membrane in a scattered manner, but more thickly on to the tibiæ and feet, especially on to the latter, which are well clothed. Beneath, it extends a little on to the membranes near the sides of the body. The *os calcis* is well clothed with short adpressed hairs; and between it and the tail-tip the membrane is fringed with closely-set hairs, which curve downwards and have a comb-like appearance, as in *K. lanosa*.

The fur is everywhere long and silky; that of all the upper parts is of four colours - at the root very dark grey for a fourth of its length, then yellowish, passing into a pale but bright rust-colour, and the tips of the hairs of a shining and silvery white. There is very little variation in the colouring of the different parts of the upper surface. Beneath, the fur is unicoloured and dirty-white, on the sides of the neck and on the cheeks-tinged with rust-colour.

The teeth, as far as may be gathered from inspection without re-

p. 33

moving the skull from the specimen, are like those of *K. lanosa*, the upper incisors being, as in that species, nearly of the same length. The outer incisors in the lower jaw have the singular and prominent cusp, which I have mentioned as peculiar to the genus, quite as much developed as in any of the species.

" ""
Length of the head and body, about: 2 0
------ of the head: 0 8
------ of the ears: 0 5
Breadth of the ears: 0 5 1/2
Length of the tragus: 0 4
Greatest breadth of the tragus, barely: 0 1
Length of the fore-arm: 1 6
------ of the thumb and its claw: 0 4 1/2
------ of the first finger: 1 6
------ of the second: 3 6
------ of the third: 2 6
------ of the fourth: 2 4
------ of the tibia: 0 7 1/2
------ of the foot and claws: 0 4 1/2
------ of the os calcis: 0 10
Expanse of wings, about: 12 0

Hab. "Otjoro, December 1st, 1859. Female."

Kerivoula brunnea Dobson, 1878

p. 334

Ears slightly shorter than the head, laid forwards the extremities do not extend quite to the end of the muzzle; ear-conch very similar in outline to that of *K. picta*; tragus with a slight indication of a lobe at the base of the outer margin, which, however, is not succeeded by an emargination, and the projection opposite the base of the inner margin is obtuse.

Fur, above, yellowish brown, the basal half of the hairs very dark brown or black; beneath paler or grayish brown, the base of the hairs also dark-coloured; very long and dense, covering nearly half the upper surface of the interfemoral membrane, and extending along the legs to the backs fo the feet; the posterior margin of the interfemoral membrane has a comb-like fringe of curved hairs of equal length, as in *K. picta* and *K. lanosa*. Membranes dark brown.

Upper incisors nearly equal in length and in cross section, the inner incisor on each side with a small postero-external basal cusp visible from the front; of the lower incisors the outer on each side has a blunt cusp rising considerably above the others; second upper premolar slightly smaller than the first, with a more oblique cusp inclined forwards.

Length (of a not full-grown M), head and body 1".5, tail 1".9, head 0".55, ear 0".5, tragus 0".35, forearm 1".3, thumb 0".25; third finger - metacarp. 1".25, 1st ph. 0".65, 2nd ph. 0".8; fifth finger - metacarp.1".2, 1st ph. 0".4, 2nd ph. 0".3; tibia 0".55, foot 0".3.

Hab. Uncertain.

This species is at once distinguished by the very dark colour of its fur, by the comb-like fringe along the interfemoral membrane behind, and by the large size of the upper outer incisors.

P. 335

The type specimen has suffered from long soaking in weak alcohol, which has denuded it of much of its fur, and it is possible that the anterior extremities may have had short hairs clothing them as *K. lanosa*, especially as some hairs are found still adhering to the outer margin of one wing.

A. M (not full-grown), al. Madras or South Africa. Sir A. Smith [P.].

Kerivoula cuprosa Thomas, 1912

p. 41

A small speckled brown species with short incisors.

Size decidedly less than in the related species *K. ærosa* and *lanosa*. Fur soft and fine (hairs of back 6 - 6.5 mm. in length), extending on to the forearm, thinly along the pollex and terminal part of the third digit, and down the upper side of the legs on to the feet; proximal part of interfemoral thinly haired, naked distally, the hinder margin with a

p. 42

number of fine hairs not forming a fringe; under surface of legs and interfemoral nearly naked. General colour above dark bistre-brown, the tips of many of the hairs conspicuously contrasted silvery buff, those on the forearms, rump, and hind limbs more ochraceous buff; under surface duller brown, the bases of the hairs dark slaty, the tips of some of the hairs whitish.

Ears of medium length, anterior border strongly convex, posterior with a sharp concavity just below the tip. Tragus long, curved outwards, its base with a, small lobule externally succeeded above by an emargination.

Upper incisors unusually short, their enamel-covered portion but little longer than the projecting part of their root, the inner one bicuspid, its posterior cusp as thick as and half the height of the anterior. Outer incisor also bicuspid, owing to its basal ledge being raised up postero-internally as a second cusp half the height of the main cusp. Middle premolar about two-thirds the height and area of the anterior one. Outer lower incisors tricuspid, the outer cusps half as large as the median one. Middle lower premolar rather smaller than the subequal first and last.

Dimensions of the type (the starred measurements taken in the flesh by the collector): -

Forearm 32 mm.

Head and body *45; tail *45; ear *13.5; tragus on inner edge 5.5; third finger, metacarpal 3.1, first phalanx 15; lower leg and foot (c. u.) 21.

Front of upper canine to back of m^3 5.1; front of lower canine to back of m_3 5.5.

Hab. Bitye, Ja River, S.E. Cameroons. 2000'.

Type. Adult male. Original number 564. Collected 17th October, 1911, by Mr. G. L. Bates.

This well-marked species resembles *K. ærosa* in colour, but is much smaller, the forearm of that animal being 37 mm. in length. By the characters used in Dobson's synopsis it comes nearest to *K. lanosa*, but differs both by size and colour, and, as from every other, by its peculiarly short and deeply bicuspidate upper incisors. At Bitye Mr. Bates also obtained the little *K. muscilla* and an additional specimen of *K. smithii*, described by me in 1880. The latter is slightly larger than *K. cuprosa* and has practically unicuspid outer lower incisors.

Kerivoula harrisoni Thomas, 1901

p. 802

Most nearly allied, according to the characters used in Dobson's synopsis, to *K. lanosa* A. Smith, but considerably smaller. Fur very long, soft, and woolly, the hairs of the back about 9 mm. in length. Muzzle thickly hairy. Back of ears hairy, except at the edges, these and the whole inner surface practically naked. In shape the ears are very much as in *K. lanosa*; their inner margin slightly convex below, more strongly so above; tip inconspicuous, behind and below the level of the most convex point of the anterior edge; below the tip a marked concavity, after which the hinder edge is evenly convex to its base. Tragus, so far as can be seen in the dried skin, very like that of *K. lanosa*; its basal lobe small.

Fur of back not extending on to the wing-membranes, but the interfemoral is clothed basally with scattered long hairs; the legs are thickly clothed down to the toes; the upperside of the tail is well haired to the tip, and the interfemoral membrane has a thick fringe of hairs along its posterior edge. The forearm is irregularly tufted with line golden hairs, which are Continued on the thumb to the base of its claw, and again along the final edge of the second digit, edge of wing-membrane, and terminal part of third digit to the extreme tip of wing.

The general colour of the back is a dull "old gold," the woolly hairs being blackish basally, then dull huffy orange with their tips blackish, longer hairs tipped with silvery yellow. The hairs on the legs, feet, tail, and calcars, like those on the forearm, golden yellow, but the interfemoral fringe is a dull pale brown. Belly-hairs blackish basally, dull buffy white terminally.

Skull very fine and delicate, on the whole very like that of *K. brunnea* Dobs., though the nasal notch is not so deep.

Upper outer incisors nearly as long as the inner ones, the former with a low postero-internal secondary cusp, the latter with a posterior one at about the level of the tip of i^2.

Forearm 31.5 mm. Front of canine to back of m^3 5.2.

Hab. Walamo, between Lakes Suai and Margherita, N.E. Africa. Alt. 6700 feet.

Type. B.M. No. 0.11.4.1. 21st February, 1900. Collected and presented by Mr. J. J. Harrison.

No species hitherto described can be confused with *K. harrisoni*. *K. lanosa*, is larger and of a different colour; *K. smithi* has no interfemoral fringe; *K. ærosa* has minute outer incisors; and *K. brunnea* and *K. africana* have the same teeth unicuspidate, and the tragus of a different character.

Kerivoula harrisoni bellula Aellen, 1959

p. 221

Type. - M adulte, en alcool. Adiopodoumé, près d'Abidjan, Côte-d'Ivoire, 20.7.1953; coll. V. Aellen, n° orig. 622. Muséum d'Histoire naturelle de Genève, n° 965.38.

p. 222

Matériel examiné. - De la Côte-d'Ivoire, j'ai rapporté un autre spécimen provenant aussi d'Adiopodoumé, 21.12.1953, leg. U. Rahm (F n° 965.39 Mus. Genève). Les exemplaires suivants ont encore été examinés :

1 M subadulte, Hill-Town, Du Queah River, Libéria, 25.2.1887. Musée de Leyde. Signalé par JENTINK (1888) sous le nom de *Kerivoula africana*.

1 M; 1 ?, Ntronang, Ghana, 2.9.1945. British Muséum n° 46.118 et 46.119.

1 M, Mukonje, Cameroun anglais, 1905. Musée zoologique de Strasbourg, n° 20g. Signalé par AELLEN (1957) sous le nom de *Kerivoula* sp.

1 F, Pawa, district Kibali-Ituri, Congo belge . Musée royal du Congo belge, Tervuren n° 15729. Indiqué par SCHOUTEDEN (1944) sous le nom de *Kerivoula ? argentata*.

Diagnose. - *Kerivoula* de petite taille (avant-bras de 28,5 à 33 mm) à frange interfémorale très nette. Les premières incisives supérieures (I^1) sont bicuspides. Le rostre est long, c'est-à-dire que la rangée dentaire C-M^3 est égale ou plus longue que la largeur maxillaire (M^3-M^3). Diffère de *K. h. harrisoni* par ses oreilles qui sont plus longues: 11 à 12,5 mm au lieu de 8,8 mm; le tragus est plus long également: 5,8 à 6,5 mm au lieu de 5,3 mm.

Remarques. - Depuis quelques années, j'ai entrepris la révision des formes africaines du genre *Kerivoula*. Cette étude m'amène à croire que *K. lucia* Hinton n'est qu'une forme
de *K. harrisoni* Thom. et non de *K. lanosa* (A. Smith), comme le pensent ROBERTS (1936) et ELLERMAN, MORRISON-SCOTT et HAYMAN (1953). En effet, chez *K. harrisoni* et *K. lucia*, le rostre est relativement long (C-M^3 = ou > M^3-M^3) et les premières incisives supérieures (I^1) sont bicuspides, alors que chez *K. lanosa*, le rostre est court (C-M^3 = ou < M^3-M^3) et les premières incisives unicuspides [1].

K. harrisoni n'est connu que par la description originale de THOMAS (1901), basée sur l'examen d'un seul spécimen (British

p. 223
Muséum n° 0.11.41, peau sèche). Il existe au British Muséum un second spécimen, provenant de Taveta, Kenya (n° 9.6.12.18, en alcool), dont M. R. W. Hayman m'a aimablement communiqué les principales mensurations.

K. lucia, par contre, est mieux connu; j'en ai examiné une demi-douzaine d'exemplaires du SE du Congo belge, du Ngamiland et du Natal. Très semblable à *K. harrisoni*, il n'en diffère guère que par une oreille et un tragus plus longs, des proportions légèrement différentes du crâne.

Si mes conclusions sont correctes, la répartition géographique de *K. harrisoni* se présenterait ainsi:

K. h. harrisoni: Ethiopie, Kenya.

K. h. lucia: SE du Congo belge, N Rhodésie, Nyasaland, Ngamiland, Natal.

K. h. bellula: région forestière du Libéria à l'E du Congo belge: Libéria, Côte-d'Ivoire, Ghana, Cameroun, Congo belge.

Description. - Les oreilles mesurent de 11 à 12,5 mm; le tragus de 5,8 à 6,5 mm au bord interne. Le lobule de la base du bord externe du tragus, qui sert de principal caractère dans le synopsis des espèces de DOBSON (1878), semble variable d'un spécimen à l'autre: chez le type, il est à peine indiqué, alors que chez le paratype, provenant du même lieu, il est petit, mais bien marqué; il est présent sur les spécimens du Cameroun et du Congo, peu marqué chez celui du Libéria, à peine indiqué ou absent chez ceux du Ghana. Les avant-bras, les doigts et les jambes sont de dimension et de proportion semblables à celles de *harrisoni* et de *lucia*. L'avant-bras est peut-être à peine plus court: *bellula*, moyenne 6 spécimens: 30,75 mm; *lucia*, moyenne 8 spécimens: 31,33 mm; *harrisoni*, moyenne 2 spécimens: 31,55 mm. La frange interfémorale du bord libre de l'uropatagium est très bien marquée, comme d'ailleurs chez *harrisoni* et *lucia*.

La coloration n'offre rien de particulier pour un *Kerivoula*. Les descriptions qu'en donnent THOMAS (1901) et HINTON (1920) s'appliquent presque mot pour mot au type de *bellula*. Le dessus est gris clair un peu brunâtre; les poils sont gris souris à la base, brun très clair au sommet; beaucoup présentent une

p. 224

pointe blanc brillant, ce qui donne un reflet argenté surtout visible au niveau des jambes. Les avant-bras, le pouce, le deuxième doigt, la base du métacarpe du cinquième, les jambes, les pieds et la plus grande partie de la queue sont couverts de poils plus ou moins longs de couleur jaune paille; ces poils sont particulièrement longs sur les jambes et donnent à celles-ci un reflet doré. Il y a quelques longs poils épars sur la moitié proximale de l'uropatagium. Le dessous est assez semblable au dessus, mais moins brunâtre; le reflet argenté s'étend surtout à la poitrine; les avant-bras, les doigts, les jambes et la queue sont nus; il y a quelques poils très courts, groupés par deux ou trois, sur les lignes glandulaires transversales de la moitié proximale de l'uropatagium. Les oreilles sont brun clair, un peu translucides; la moitié basale et le tragus sont crème. Les glandes faciales, bien que recouvertes de poils, sont très apparentes et de couleur orange vif; cette couleur est due à leur sécrétion grasse.

Les premières incisives supérieures (I^1) sont bicuspides; la pointe postérieure atteint presque la hauteur de la seconde incisive. Celle-ci mesure environ les quatre cinquièmes de la première, en hauteur. La première incisive inférieure est quadricuspide, la seconde tricuspide, la troisième tricuspide avec la pointe médiane plus développée que les latérales. Ces caractères dentaires se présentent, non seulement chez le type, mais aussi
chez tous les *K. h. bellula* examinés.

Dans le tableau de mesures suivant, j'ai indiqué, à titre de comparaison, celles du type de *K. h. harrisoni* et d'un autre spécimen du Kenya (mesures communiquées par R. W. Hayman) et les minima et maxima de *K. h. lucia*, déduits des données de la littérature et d'examens personnels.

A l'échelle spécifique, *K. harrisoni* se distingue des autres *Kerivoula* africains à frange interfémorale nette par les caractères de la clé suivante:

1. Taille grande: avant-bras + troisième doigt de 109 à 128 mm. Long. totale du crâne (aux incisives) de 15 à 16 mm. I^1 unicuspide (parfois une deuxième pointe postérieure basse). M^3-M^3 généralement > C-M^3. --> *argentata* Tomes

p. 226

- Taille moyenne ou petite: avant-bras + troisième doigt de 88 à 106 mm. Long. totale du crâne de 12,7 à 13,6 mm. --> 2

2. I^1 bicuspide. Rostre long: C-M^3 généralement > M^3-M^3. --> *harrisoni* Thom.

- I^1 unicuspide. Rostre court: M^3-M^3 généralement > C-M^3. --> 3

3. Taille moyenne: avant-bras de 30 à 35,5 mm. Troisième doigt de 65 à 72 mm. Long. totale du crâne de 13,2 à 13,6 mm. --> *lanosa* (A. Smith)

- Taille petite: avant-bras de 29 à 31 mm. Troisième doigt environ 60 mm. Long. totale du crâne 12,7 mm. --> *muscilla* Thom.

p. 225

Kerivoula harrisoni bellula: Côte d'Ivoire: Mus. Genève 965.38 M type, 965.39 F, Liberia: Musée Leyde M subad., Ghana: British Mus. 46.118 M, 46.119 sex ?, Cameroun: Musée Strasb. 20 g M, Congo: Musée Tervuren 15729 F;
K. h. harrisoni: Ethiopie, Kenya: British Museum 0.41.4.1 sexe ? type, 9.6.12.18 sexs ?;
K. h. lucia: (S Afrique 8 spécimens min - max)

Avant-bras: 29.5, 31.5, 29.5, 28.5, 33, 30, 32; 31.5, 31.6; (30 - 33)
3e doigt, métacarpe: 28.5, 30.5, 27, 30.5, 31.5, 29.5, 31.5; 31, 30; (29.5 - 33.5)
" 1re phalange: 14, 15.5, 15.5, 14, 15.5, 14.5, 16; -, 15.7; (15 - 16.5)
" 2e phalange: 20.5, 22, 17.5, 19, 17.5, 19.5, 20.5; -, 20.5: (18 - 23)
4e doigt, métacarpe: 28.3, 30, 26.5, 29.5, 31.5, 29.5, 30; 29.2, 30; (29 - 33)
" 1re phalange: 10, 10.5, 10, 10.5, 10.5, 10, 11.5; -, 11; (9.5 - 12)
" 2e phalange: 8, 8.5, 8.5, 8, 9, 8.5, 9.5; -, 8; (8 - 10.5)
5e doigt, métacarpe: 28, 29.5, 26.5, 29, 31.5, 29, 30; 29.8, 29.8; (29 - 33)
" 1re phalange: 8.5, 9, 9, 9, 9, 9, 10; -, 9; (8.5 - 12)
" 2e phalange: 8.5, 8, 8, 7.5, 8.5, 8, 8.5; -, 6.8; (7 - 9.5)
Tibia: 13.5, 14, 11, 13, 13, 13, 14; -, -; (11.5 - 13.5)
Pied (avec griffes): 6.5, 6, 7.5, 6.5, 6.5, 7, 6.5; -, 6; (5.5 - 7)
Queue (de l'anus): 39, 36, 36, (34), -, 33, 38.5; -, 34; (36 - 42)
Oreille (longueur): 12.5, 11.5, 11, 12, -, 11, 12.5; -, 8.8; ((12) - 13.5)
Tragus: 6.5, 6.5, 6, 6.1, -, 5.8, 5.8; -, 5.3; (6.7 - 7.8)

Crâne:
Long, tot. (avec incisives): 13.4, 13, -, 13, -, 12.7, 12.8; -, 12.8; (13 - 13.5)
" " (au prémaxill.): 13.1, 12.7, -, 12.6, -, 12.5, 12.5; -, -; (12.9 - 13.4)
" condylobasale: 12.1, 11.9, -, 11.8, -, 11.7, 11.8; -, -; (12.2 - 12.5)
Larg. zygomatique: 8.2, 8, -, 8, - , 7.8, 8; -, 8; (7.7 - 8.4)
" mastoïde: 7, 6.9, -, 6.9, -, 6.7, 6.9; -, -; (6.8 - 7.5)
" C-C (externe): 3.1, 2.8, 2.5, 3, -, 3.2, 3; 3, 3; (3 - 3.2)
" M^3-M^3 (externe): 5.1, 5, 4.5, 5.1, -, 4.8, 5; 5.2, 5; (5 - 5.4)
Long, rangée dent. I-M^3: 6, 5.9, 6, 5.9, -, 5.9, 5.8; -, -; (5.9 - 6.1)
" " " C-M^3: 5.3, 5.2, 5.1, 5.1, -, 5.1, 5.2; 5.2, 5.3; (5 - 5.4)
" mandibule: 9.6, 9.2, -, 9.2, -, 9.1, 9.6; -, -; (9.6 - 10)
" rangée dent. I-M_3: 6.3, 6.2, 6.1, 6.2, -, 6.2, 6.2; -, -; (6.4 - 6.5)
" " " C-M_3: 5.5, 5.3, 5.2, 5.4, -, 5.3; -, -; (5.5 - 5.6)

Footnote 1. Ce dernier caractère m'a été confirmé par R. W. Hayman, qui a réexaminé le crâne du type (in litt. 31.1.1955).

Kerivoula lucia Hinton, 1920

p. 240

Kerivoula lucia, sp. n.

Type. - An adult male collected at N'dola on Sept. 26, 1919 [by Capt. Guy C. Shortridge (see page 239)]; original number 472. No other specimen seen.

p. 241

This species closely resembles *K. lanosa* in general appearance, but it is distinguished by its rather smaller size, smaller and less hairy ears, greyer colour, and by some characters of the skull.

Size small, forearm 30.5 mm. Fur on body and top of head very long, dense, and woolly, closely resembling that of *lanosa* in quality. Cheeks in front of ears nearly naked. Ears very sparingly haired on outer surface, nearly naked within. Forearm, thumb, and outer edge of dorsal surface of wing clothed with tufts of hair; upper surface of tibia, hind foot, and tail similarly clothed. Interfemoral membrane with tufts of hair along the veins on dorsal surface, similar but smaller tufts of hair on ventral surface; with a well-developed posterior fringe. Ears smaller than in *lanosa*, with a somewhat deeper, though narrower, lateral emargination towards the tip; tragus normal.

General colour of back between "sepia" and "dusky drab," passing to a light grey on top of head and muzzle. Dorsal hairs with slaty bases, mostly with long yellowish-brown tips; in many the tips are silvery, and these silver tips produce a quite conspicuous "lining" on the back and rump. Under surface silvery grey, darkened irregularly by the partly visible slaty bases of the hairs. Hairs on forearm, wings, legs, tail, and the upper surface of the interfemoral membrane yellowish; those on the ventral surface of the membrane are silver.

Skull about as large as that of *K. lanosa*, from which it is distinguished by its relatively narrower brain-case, more boldly convex frontal region, narrower rostrum, and more nearly parallel tooth-rows, the width between the outer borders of the last molars markedly less in proportion to the width across the canines. Dentition not essentially different. Outer upper incisor about three-fourths the height of inner incisor, rather stouter than the latter in cross-section, and with a well-developed internal basal cusp. Inner incisor with a posterior secondary cusp, the summit of which is a little less lofty than the outer incisor. Middle upper premolar smaller in cross-section than the anterior premolar.

Collector's measurements (taken on the flesh). - Head and body 39 mm.; tail 40; hind foot 6; ear 12.

Wing-measurements (from skin). - Forearm 30.5; third digit, total length 66, its metacarpal and phalanges 1 and 2 being respectively 32, 16, and 18; fifth digit 46.5, the metacarpal and phalanges being 30.5, 9, and 7.5.

Skull measurements (those of 7.1.1.538, a cotype of *lanosa*, being added in parentheses for comparison). - Greatest length 13 (13.4); condyle to canine 11.5 (11.5); canine to m^3 5.1 (5.2); width across canines

p. 242

3 (3.2); width across outer .borders of m^3-m^3 5.1 (5.5); zygomatic breadth 7.7 (7.9); interorbital breadth 3 (3) ; width of brain-case 6.6 (7.1).

This pretty little bat is named in honour of Miss Wilson, to whom I am indebted for much intelligent assistance.

Kerivoula muscilla Thomas, 1906

p. 294

Kerivoula muscilla, sp. n.

Size very small. Ears short, laid forward in the spirit-specimen they barely reach to the tip of the muzzle; their breadth equal to their length; inner margin strongly convex, outer with a well-marked emargination above, convex below. Tragus as in Dobson's second group, a small basal lobule present, very much as in *K. Smithii*; inner margin evenly convex, outer slightly concave. Limbs short, less strikingly delicate than usual; upper surface of forearms and proximal part of the digits and of hind limbs and feel clothed with fine golden-brown hairs. Wings to the base of the toes. Posterior edge of interfemoral with a fringe of short curved hairs growing from its under surface. Prepuce tufted with long hairs.

Fur long, brownish grey above and below, so far as can be made out on a spirit-specimen.

Inner upper incisors slender, practically unicuspid, a rudiment of a secondary cusp present about halfway up the hinder aspect; outer incisors long, nearly as long as the inner ones, each with a minute external basal secondary cusp. Two small upper and three lower premolars subequal *inter se*.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 27 mm.

Head and body 37; tail 33; head 14; ear 10; tragus on inner edge 6; third finger, metacarpus 26.5, first phalanx 13.5, second phalanx 15; lower leg and hind foot (c. u.) 17.5; calcar 16.

Hab. Ja River, Southern Cameroons.

Type. Adult male. Collected 22nd December, 1905, by Mr. G. L. Bates. One specimen.

This little *Kerivoula* is readily distinguishable from any African species hitherto described by its small size, the presence of an interfemoral fringe, and its long outer incisors. Dobson's *K. Africana* agrees with it in some respects, but is said to have a tragus as in *K. hardiwickei* and ears "longer than the head"*.

* By this expression Dobson appears always to have meant that the ears when laid forward extended beyond the tip of the muzzle.

Kerivoula nidicola zuluensis Roberts, 1924

p. 61
Kerivoula nidicola zuluensis subsp. nov.
In dimensions almost identical with a specimen of *K. nidicola* from Boror, and therefore larger than *K. lanasa*, but in colour much darker, the underparts of body being smoky greyish white, instead of buffy white, the upper parts darker, buffy brown instead of golden buffy as in *nidicala*. In *K. lanosa* the subterminal coloration of the hair is of a reddish brown, merging into the dark basal colour, whereas in *nidicala* the dark base of the hair is well defined from the subterminal golden buffy, which occupies the greater part of the hair; in *zuluensis* the dark base is even more pronounced, owing to the presence of a buffy line immediately above it, this becoming darker towards the tip of the hair, which becomes brown and produces a general dark effect. The hair of the back is long, as in *lanosa*, about two millimetres longer than in *nidicola*. White tips to the hairs of the back are present as in the other species.
Type: Adult male, T .M. No.3025, taken from the nest of a weaver bird, together with two companions, on the White Umfolosi River, Zululand, on July 17th, 1922.

Kerivoula phalæna Thomas, 1912

p. 281

A small pale brown species with subequal incisors.

Size as in the smallest members of the genus. Fur long soft, and fine; hairs of back about 7 mm. in length. General colour above uniform pale reddish brown - like "Mars-brown" of Ridgway, but much paler; the hairs of this color all through, except that on the posterior back they have inconspicuously darker bases. Extreme tips of some of the rump-hairs silvery buff. Under surface similar but rather paler, and with more blackish at the bases of the hairs. Membranes and wings almost naked, the base and edge of the interfemoral with thinly scattered hairs, not forming a fringe, the upper surface of the legs thinly hairy, the feet well haired.

Ears with inner margin strongly convex, a distinct concavity below the tip. Tragus slender, straight, a well-marked projection at its outer base, succeeded above by an emargination, above which there is again a projecting point, forming the broadest part of the tragus; in front of the middle of the base there is a wart clothed with long hairs, forming a loose tuft; a particularly prominent tragoid projection present facting the tragus on the inner side of the outer base of the ear.

Skull very light and delicate, with narrow brain-case. Upper incisors subequal in length, the outer rather shorter, and practically unicuspid, a smalle secondary cusp at the extreme posterior base of the inner one and at the internal base of the outer. First and second lower incisors tricuspid, third with a single large rounded cusp with minute anterior and posterior secondary cusps.

Dimensions of the type (the starred measurements taken in the flesh): -

Forearm 29.5 mm. (28 mm. in the male).

Head and body *33; tail *40; ear *13; third finger metacarpus 29.5, first phalans 12.5; lower leg and foot 18.8.

Skull: greatest length 12.1; basi-sinual length 9.1; zygomatic breadth 7.1; breadth of brain-case 6.1; front of upper canine to back of m^3 5.1

Hab. Bibianaha, inland of Denkwa, Gold Coast. Alt. 720'.

p. 282

Type. Adult female. B.M. no. 12.6.20.3. Original number 224. Collected 24th April, 1912, and presented by Dr. H. G. F. Spurrell. Male and female skins, female and young in spirit examined.

This delicate little *Kerivoula* belongs to Dobson's second group of the genus, and would seem to be allied to *K. lanosa* and *smithii*, but is markedly smaller than either.

Perhaps its nearest relative is the Kamerun *K. muscilla*, Thos., which is, however, distinguishable by its more inflated brain-case and its interfemoral fringe.

Læphotis Thomas, 1901

p. 460

Most nearly allied to *Vespertilio*, but the ear and tragus enlarged as in *Histiotus*.

Skull, as compared with that of the allied form, long and narrow, flattened above, very smooth and little ridged, the crests scarcely perceptible. Palate narrow, its posterior part unusually produced backward. Bullæ rather large.

Dental formula as in *Vespertilio*.

Upper incisors close to canines, instead of being well separated from them, the tip of the lower canine biting on to the top of, or outside, the outer incisor, instead of between it and the upper canine. In correlation with this the lower canine is unusually short and feeble, its length from cingulum to tip not exceeding the outer horizontal length of m^1. Detailed proportions of teeth as described below.

Type and only species *Læphotis Wintoni*

Laephotis angolensis Monard, 1935

p. 45

Voir *A. M. N. H.* 7, VII, 1901, p. 460.

Le genre *Laephotis*, créé par THOMAS sur une espèce du British East Afrrca, est voisin d'*Eptesicus* et en diffère surtout par les oreilles très grandes, plus longues que la tête et par quelques détails de dentition: les incisives supérieures externes placées tout près de la canine, la canine inférieure vennant buter contre elles au lieu de se placer dans l'intervalle qui les sépare de la canine. Le crâne est allongé et étroit, aplati, lisse, les crêtes à peine perceptibles. Le palais est étroit, sa partie postérieure remar-

p. 46

quablement prolongée en arrière, L'espèce type, *L. wintoni*, mesure 37^{mm} d'avant-bras.

Du Tyihumbwé, nous avons rapporté une Chanve-souris qui nous parait appartenir à ce genre. Elle possède la dentition d'*Eptesicus* mais se distingue à première vue par la grandeur des oreilles, plus longues que la tête. Les détails de la dentition sont ceux de *Laephotis*, les incisives supérieures, les canines correspondent à ce qui a été rappelé plus haut. Malheureusement le crâne a été cassé, et je n'ai pu en vérifier l'aspect et la grandeur des bulles auditives. Les détails de forme et de coloration correspondent en partie, si bien que nous pensons avoir à faire à une forme voisine; de taille un peu plus faible.

Voici du reste la description détaillée.

Pelage de couleur foncée dessus, la base des poils noirâtre, la pointe brune; poils de 6^{mm} de longueur. A la face ventrale, la couleur est plus claire, la base des poils toujours foncée mais la pointe blanchâtre. Région pubienne blanche. Les membranes sont presque nues en dessus, sauf dans le voisinage immédiat du corps. En dessous, il y a des poils blancs vers le corps et le long de l'avant-bras. Dans la partie interfémorale, il y a quelques poils dessus et dessous, surtout dans le voisinage de la queue.

Oreilles grandes, triangulaires en forme générale, les deux bords supérieurs, en position normale, placés sur une même ligne horizontale. Marge antérieure munie d'un repli bien développé, long de 5^{mm} et formant un angle droit avec la marge, qui est un peu convexe. Pointe de l'oreille arrondie. Bord externe replié, le pli rectiligne, donnant la forme triangulaire générale; marge à peu près droite. Antitragus en demi-cercle, séparé de la marge externe par une profonde incision. Tragus grand, à marge interne bien concave, à sommet arrondi, ayant son maximum de largeur un peu au-dessus du point de la base interne. Sa marge externe commence par un petit lobe arrondi en cornet, séparé de la partie supérieure par une échancrure arrondie, l'un des oreillons présente en outre une petite échancrure triangulaire au dessus du lobe basal; mutilation? La longueur de l'oreille, comptée de l'angle antérieur

p. 47

de l'antitragus est de 18^{mm}; la largeur est de 12^{mm} (mesurée sur l'oreille aplatie); le tragus mesure 5.5^{mm} sur sa marge interne.

Ailes normales; métacarpes III à V égaux; dernière phalange du troisième doigt terminée en T. La membrane s'insère à la base du cinquième orteil. Eperon long de 15^{mm} environ; un lobe éperonnier arrondi bien développé et, en plus, à l'extrémité de l'éperon un très petit lobe supplémentaire. Extrême pointe de la queue dépassant la membrane. Celle-ci d'une couleur générale brune, mais une très étroite bordure blanche du cinquième doigt à la cheville.

Le crâne cassé ne permet pas une description générale. L'échancrure palatale nous parait normale et non étroite, comme dans *wintoni*; elle atteint en arrière le niveau postérieur de la canine; le palais est allongé et profondément concave. Les incisives médianes sont convergentes et munies d'une petite pointe supplémentaire près de leur extrémité; le cingulum forme, derrière la dent, un petit tubercule. Les incisives externes sont placées très proches des canines, qu'elles ne touchent cependant pas; les canines inférieures viennent buter contre une concavité de celles-là. La canine supérieure est bien développée; la première prémolaire, grande, touche la canine; les deux premières molaires sont normales, avec les tubercules bien développés; la dernière branche de W de la dernière molaire manque et la crête se termine par un tubercule. Dents mandibulaires normales; la dernière molaire comptant un petit tubercule postérieur, donc six au total.

Dimensions: avant-bras 35[mm]; métacarpes 34; doigt III 62; tibia 14; pied 6; queue 38; tête et corps 50.

Cette forme diffère de *wintoni* par une taille plus petite, par les oreilles moins développées et d'une forme un peu différente.

Localité: Tyihumbwé, septembre 1932; une femelle

Laephotis botswanae Setzer, 1971

p. 260

Holotype: Adult female, skin and skull, U.S. National Museum no. 425349, from 50 mi. W, 12 mi. S Shakawe, Botswana. Obtained 24 May 1967 by S. W. Goussard, original no. 691.

Referred Specimens: British Museum (Natural History) 55.1134 and BM(NH) 55.1135 from Solwezi Boma, Zambia, obtained 28 April 1952 by W. H. F. Ansell; BM(NH) 57.436 and BM(NH) 57.438 from Mumene, 40 km. E Elizabethville, Congo (Kinshasa), obtained 28 December 1955 by the Hygiene Service of the Congo.

Measurements: The measurements of the holotype are: Total length 96; length of tail 41; length of hind foot 8; length of ear from notch 21; length of forearm (dry) 37.3; greatest length of skull 14.5; greatest breadth across zygomatic arches 8.3; least postorbital breadth 3.4; greatest breadth of braincase 7.0; depth of braincase 4.7; length of maxillary toothrow 4.7; postpalatal length 5.2; breadth of palate across M^2-M^2 5.4; breadth of palate across C-C 4.4.

Diagnosis: Upper parts near Buffy Brown; flight membranes near Clove Brown; underparts somewhat paler than dorsum, individual hairs black at base (5 mm), a narrow band (1 mm) of pure color and tipped (2 to 3 mm) with buffy. Ears moderate in size; tragus and antitragus moderately developed. Skull average in size for the genus; relatively narrow; rostrum relatively long and narrow; zygomatic arches fragile;

p. 261

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p. 262

toothrows diverging slightly posteriorly; palate markedly arched dorsally; auditory bullae moderately sized.

Comparisons: From *Laephotis wintoni* as known by a specimen in the Royal Ontario Museum (ROM 36368) from Namanga, Kenya, *L. botswanae* differs in lighter color throughout; smaller ears; somewhat shorter forearm; and smaller, less curved tragus. The skull is smaller in all respects; auditory bullae smaller; palate more concave; upper toothrows more divergent posteriorly; and bony palate less projecting posteriorly.

Laephotis botswanae differs from the holotype and paratype of *L. namibensis* in smaller size; darker color; markedly smaller ears and tragus; and in having a shorter forearm. The skull is markedly smaller with a broader, shorter rostrum; occipital region more rounded; palatal region shorter, broader and more concave; auditory bullae less inflated; and foramen magnum markedly smaller.

Compared with *Laephotis angolensis* as known by a specimen from 35 mi. E Dande, Angola (AMNH 87244), *L. botswanae* differs in somewhat paler color; larger ears; and longer forearm. The skull is markedly larger; rostrum more massive; occipital crest less projecting posteriorly; palate broader but not as deeply concave; upper toothrows more divergent posteriorly; and auditory bullae, relatively as well as actually, smaller.

Remarks: With the recognition of these two new taxa, four species are now known in the genus *Laephotis*. There is reasonably close relationship between *L. wintoni* and *L. botswanae* but the relationship of *L. angolensis* and *L. namibensis* with the others is somewhat obscure.

When the skulls are arranged according to their greatest length, *namibensis* is largest, followed by *wintoni, botswanae*, and finally *angolensis*. The same applies when greatest breadth of braincase is examined; *wintoni* is the largest, *namibensis* next, followed by *botswanae* and *angolensis* (Table 1).

Forearm measurements are rather distinctive for *L. namibensis* and *L. angolensis*, the measurement of the former being over 38 while the measurement of the latter is not known to exceed 33. The same measurement overlaps between L. botswanae and L. wintoni. If, however, one adds to the preceding differences, the size and configuration of the tragus (Fig. 1), *L. wintoni* and *L. namibensis* show the closest relationship while *L. angolensis* and *L. botswanae*, which might possibly occur together, show striking differences in the tragi.

If one assumes *L. namibensis* to be the most specialized in shape and size of the ears; shape and size of the tragus; size of the auditory bullae; and in the shape and size of the rostrum; one is tempted to group the other taxa on the same morphological bases. When this is done it seems reasonable to place *L. wintoni* and *L. namibensis* as being closely allied, even though they are separated from each other by some 24° of latitude and some 30° of longitude. The other two species, occupying this hiatus of latitude and longitude can be readily separated on the basis of length of tragus, length of forearm and greatest length of skull. It would seem

p. 264

that an arrangement from least to most specialized based on several morphological features *L. angolensis* might be the least specialized; *L. botswanae* next with *L. wintoni* and *L. namibensis* in that order.

Peterson (MS, 1971) suggests that the populations of *Laephotis* represented by specimens from Botswana, Zambia and the southeastern Congo (Kinshasa) might represent a new species if female specimens of true *L. wintoni* were known. I suggest that since the holotype of *L. angolensis* is a female and that the measurements of a single male of the same taxon from 35 km. E Dande, Angola (AMNH 87244) show no real differences, there is no significant sexual variation involved. Examination of the external and cranial measurements of the series of specimens in the British Museum from Mumene, Musonge, Congo, as presented by Peterson, reveals that sexual variation is slight but that females do average a bit larger than males.

Laephotis namibensis Setzer, 1971

p. 259

Holotype: Adult female, skin and skull, U.S. National Museum no. 342152, from Namib Research Station, Gobabeb, South West Africa; obtained 22 November 1963 by Ronald E. Cole, original no. 270.

Specimens examined: Two from the type locality.

Measurements: The measurements of the holotype with those of a female paratype (USNM 342153) in parentheses are: Total length 106 (104); length of tail 47 (46); length of hind foot 8 (8); length of ear 25 (24); length of forearm (dry) 38.2 (38.6); greatest length of skull 16.5 (16.5); greatest breadth across zygomatic arches 9.0 (-); least postorbital breadth 3.2 (3.6); greatest breadth of braincase 7.5 (7.6); depth of braincase 4.7 (4.9); length of maxillary toothrow 4.9 (5.0); postpalatal length 5.9 (6.0); breadth of palate across M^2-M^2 5.2 (5.4); breadth of palate across C-C 4.0 (4.0).

p. 260

Diagnosis: Upper parts Light-Drab; flight membranes near Olive Brown; underparts noticeably paler than dorsum, individual hairs black at base, a narrow band (1-2 mm) of pure color (near Light-Drab), and tipped (2-3 mm) with white. Ears exceptionally large; tragus and antitragus well developed. Skull large for the genus; relatively long and narrow; upper toothrows nearly parallel; palate relatively long and narrow; auditory bullae remarkably inflated ventrally.

Comparisons: Compared with the holotype of *Laephotis wintoni, L. namibensis* is markedly paler in color; markedly larger ears, especially across the base (10.9 dry); and markedly larger tragus. The skull is longer; the postorbital constriction is less; the braincase is somewhat more domed; the auditory bullae are more inflated; the zygomatic arches are more markedly bowed dorsad; and the maxillary toothrows are more nearly parallel.

From a specimen of *Laephotis angolensis* from 35 km. E Dande, Angola, in the American Museum of Natural History (AMNH 87244), *L. namibensis* differs in markedly larger size; paler color; and strikingly larger ears. The skull, in all respects is decidedly larger and more robust.

Remarks: These specimens were taken in a mist net over a water hole in the bed of the Kuiseb River near the Namib Desert Research Station.

The name proposed for this new taxon is in reference to the Namib Desert of South West Africa.

Læphotis Wintoni Thomas, 1901

p. 460

Size rather less than in *Histiotus velatus*; general appearance very much as in that species, although the ears are not so large. Fur close and fine, the hairs of the back about 6 - 7 millim. in length. General colour above coppery brown, the basal halves of the hairs sooty, the terminal halves clear

p. 461

coppery or cinnamon (Dr. Hinde speaks of the colour as "bronze"). Under surface paler brown, the tips of the hairs becoming almost white in the pubic region.

Fur above not extending on to arms or wing-membranes, though there are a few fine hairs on the thumbs; but the legs are clothed as far as the knee, the backs of the feet are finely hairy, and the basal half of the interfemoral is thinly covered with fine and inconspicuous hairs. Below the wing- membranes are finely clothed nearly as far outwards as a line from the elbow to the knee, but the interfemoral membrane is more nearly naked than above. No trace of an interfemoral fringe.

Ears large, much larger than in *Vespertilio*, but not so large as in *Plecotus, Otonycteris*, or *Histiotus*; not connected across the forehead with each other. Inner margin with a distinct basal fold, ending below in a narrow lobe; its basal third is strongly convex forward, so that the basal line is at right angles to the upper two thirds, which are very slightly convex and pass gradually into the rounded tip; outer margin nearly straight above, slightly convex below; antitragus low, half-oval, marked by a distinct notch behind. Tragus unfortunately damaged in the type on both sides, but enough is left to show that it is long, broad at base, with a slightly concave inner margin and a broadly rounded tip.

Wing of normal Vespertilionine proportions, the metacarpals of the third, fourth, and fifth digits approximately equal in length. Insertion of wing-membrane at base of the digits, so far as can be made out in the dry skin. Calcar reaching about halfway towards the tip of the tail; postcalcaneal lobule present, but very narrow. Tip of fourth finger T-shaped, or even slightly spatulate. Membranes and ears uniformly brownish grey, except that the wing-membrane from the tip of the fifth finger to the ankle is edged with whitish.

Skull very thin and papery, long and narrow, low, smooth, and scarcely ridged at all. Nasal notch comparatively shallow. Intertemporal region not strongly constricted, the intertemporal but little less than the interorbital breadth. Palatal notch penetrating to the level of the middle of the canines. Palate narrow, the greatest breadth across the outer corners of m^2 going nearly three times in the total length of the skull; its posterior part produced behind the molars a distance equal to the combined lengths of p^4 and m^1.

Upper incisors slightly convergent, of about the same relative proportions as in the Serotine, the inner one long, with a secondary postero-external cusp near its tip and a small

p. 462

postero-internal cingular cusp at its base; outer incisor quite small, its main cusp about half the height of the inner incisor, also with a small internal basal cusp. Large premolar pressed close up against the back of the canine; last upper molar triangular, with a well-developed posterior lobe, in correspondence with which the talon of the last lower molar is large and tricuspid. Lower incisors trifid, overlapping; anterior lower premolar about one half the height and one fourth the area in cross-section of the posterior one.

Dimensions of the type (measured in skin): -

Forearm 37 millim.

Head and body (approximate) 50; ear (dry and no doubt contracted) 21; tragus, length on inner edge 6.3, breadth basally 3.5; metacarpus of third finger 35; first phalanx 13; tibia 13.5; hind foot, s. u. 7, c. u. 7.7; calcar (c.) 15.

Skull: greatest length 15.7; basipalatal length in middle line 12.8; interorbital breadth 5; intertemporal breadth 3.6; breadth of brain-case 7.8; palate length 6.6. Front of lower canine to back of $m._3$ 5.6.

Nab. Kitui, British East Africa. Altitude about 3500 feet.

Type. Male. Original number 64. Collected 7th January, 1901, by Dr. S. L. Hinde.

I have ventured to name this interesting bat in honour of my friend Mr. W. E. de Winton, to whose labours on the small mammals of Africa all naturalists, and I especially, have been so constantly indebted for assistance.

Lavia frons affinis K. Andersen and Wroughton, 1907

p. 138

Diagnosis. - Average size smaller.

Details. - Comparative measurements are given above under *L. frons frons* (p. 139).

Type. - M ad. skin. Kaka, White Nile. Collected by R. M. Hawker, Esq. B.M. no. 1.8.8.3.

Specimens examined. - 8 (7 skins) and 6 skulls, viz, White Nile (5), Lake No (1), Lado (1), Wadelai (1).

The British Museum possesses a somewhat damaged skull without skin from Cape Coast Castle (Gold Coast) which seems to belong to this race, and Miller's specimen of "*L. frons*". referred to above under *L. f. frons* (p.
139) appears also to belong to the present race; so it is possible that the range of *affinis* extends westward to the coast.

Lavia rex Miller, 1905

p. 227

1892. *Megaderma frons* True, Proc. U.S. Nat. Mus., XV, p. 469, October 26, 1892 (part).

Type from Taveta, German East Africa. No. $^{18993}/_{38197}$, United States National Museum. M adult (in alcohol). 1889. Dr. W. L. Abbott.

Characters. - Like the West African *Lavia frons* (Geoffroy) but considerably larger (forearm 60 instead of 56, mandible 17.8 instead of 15.2), and with disproportionately heavier teeth.

Color. - (Skin of topotype, No. 18,992, not sexed): Fur everywhere drab-gray (that of belly a little darker than that of back) tipped with ochraceous-buff. On middle of back and neck and on posterior half of belly the ochraceous-buff is so inconspicuous that it

scarcely modifies the ground color, but on face, sides of neck, entire chest and throat, and along border of interfemoral membrane it strongly predominates. At shoulder the wood-brown fades to buffy white, forming an inconspicuous light shoulder-spot. The type does not appear to differ appreciably in color from the dry specimen, though it has been subject to the action of alcohol for more than fifteen years.

Ears, membranes, etc., - Probably not different from those of *Lavia frons*. Dr. F. W. True has already noted the peculiar broadened, serrated form

p. 228

of the secondary lobe of the tragus in the type specimen as compared with that figured by Dobson and represented by a Sierra Leone specimen in the United States National Museum. In the skin from Taveta this lobe has a form intermediate between the others and closely resembling that of *Lavia frons* as figured by Geoffroy. The variation is probably individual.

Skull and Teeth. - As compared with those of an adult male *Lavia frons* from Sierra Leone (No. 38,196, United States National Museum) the skull and teeth of *Lavia rex* are readily distinguishable by their uniformly greater size and massiveness. In actual form of either skull or teeth there are no striking differences between the two species; but the larger animal has the audital bullæ relatively larger and the interpterygoid space narrower, while the teeth, particularly the upper canines and upper molars, are very considerably increased in size.

Measurements. - Type: Head and body, 70 (69);** tibia, 34 (29); foot, 16 (15); forearm 60 (56); thumb 14 (11); second finger, 62 (55); third finger, 110 (105); fourth finger, 78 (72); fifth finger, 83 (75); ear from meatus, 43.6 (40); ear from crown, 39 (33); width of ear, 28 (26); tragus, 29 (25); noseleaf, 22 (22); greatest width of noseleaf (flattened), 16 (16). Skull: Greatest length, - (23); basal length, - (18); basilar length, - (16), median palatal length, 6.6 (4.8); greatest palatal width including molars, 9.2 (8.2); distance between tips of upper canines, 5.4 (?); mandible, 17.8, (15.2); maxillary toothrow, 9.2 (8.2); mandibular toothrow, 11 (9).

Footnote:
** Measurements in parentheses are those of an adult male of *Lavia frons* from Sierra Leone (No. $^{11539}/_{38196}$, United States National Museum).

Leiponyx Jentink, 1881

p. 60

Muzzle as in *Pteropus*. Nostrils slightly projecting, rather deeply emarginate between. Upper lip with a distinct vertical groove in front.

Index finger without a claw. Metacarpal bone of the middle finger smaller than the index finger. Wings from the sides of the back and from the base of the first toe. Tail short, for its greater part free from the membrane.

Dentition. Inc. $^{2-2}/_{4}$, c. $^{1-1}/_{1-1}$, p.m. $^{2-2}/_{2-2}$, m. $^{2-2}/_{3-3}$ = 32.

Leiponyx büttikoferi Jentink, 1881

p. 60

Ear longer than the muzzle (the distance between the tip of the nose to the foremost corner of the eye). Earconch with a rounded tip, the outer margin in its upper part concave, convex further on, inner margin slightly curved. Shoulder-glands absent in the female, the single specimen we possess.

The palate-ridges are seven in number; the first four are undivided; the first is nearly straight and placed between the canines, the second is slightly curved and placed immediately behind the first premolars, the third ridge is broader than the second and unites the second premolars; the fourth again is more arched and unites the space between the two molars on each side. The three remaining ridges form oval elevations on each side resembling those in *Epomophorus comptus*. They are succeeded by ill-defined semicircular toothed lines similar to the same parts in *Epomophorus franqueti*.

The four unicuspidate upper incisors are placed at a distance from the canines, in pairs, with a rather wide space between those pairs. The foremost incisors are the smallest. The lower incisors are also unicuspidate and nearly equal in

p. 61

size and placed in a semicircular row between the smooth canines. The canines in the upper and lower jaw are followed at a small distance by the little developed first premolars, which are separated from the much stouter second premolars by a rather large interval. The third premolar in the lower jaw is separated by a space nearly as large as the interval between first and second premolar. This is the most developed premolar, not in vertical extent but in circumference. Molars very small, slightly raised above the level of the gum, especially the lower molars.

Fur short, yellowish brown, darker on the head. Ears and wings blackish brown. Claws black, strongly arched and acutely pointed.

Measures of the single specimen. (mm)

Head and body: 195.
Tail: 13.
Tail free from membrane: 7.5
Ear: 25.
Thumb with claw: 46.
Forearm: 125.
Index finger: 85.
Third finger, metacarp: 82.
" " 1st phalanx: 50.
" " 2nd phalanx: 89.
Fourth finger, metacarp: 82.
" " 1st phalanx: 43.
" " 2nd phalanx: 52.
Fifth finger, metacarp: 78.
" " 1st phalanx: 33.
" " 2nd phalanx: 33.
Tibia: 52.
Foot with claw: 35.

Hab. Liberia, St. Paul's River (Millsburg).

Liponycteris Thomas, 1922

p. 266

WHEN, in 1915, I wrote my "Notes on *Taphozous* and *Saccolaimus*", and recognized the latter as a distinct genus from the former, as had Hollister previously under another name, I did not sufficiently weigh the characters which separate *Taphozous nudiventris* and its allies from the typical members of *Taphozous*.

On reconsidering the subject, I now think that these remarkable half-naked bats should be separated as a distinct genus from the ordinary hairy species, and would suggest that the whole group might be synoptically arranged as follows: -

A. Bullæ imperfect, the inner side of each incomplete. A radio-metacarpal pouch.

a. Frontal concave; upper profile of brain-case rising from it in a strong curve. Occipital "helmet" scarcely developed. Body haired as usual..... I. *Taphozous*, Geoff.
Genotype: *T. perforatus*, Geoff.

b. Frontal almost flat, the cranial profile scarcely rising above it behind. A strongly developed occipital helmet.

p. 267

Body partly naked behind, both above and below ..... II. *Liponycteris*, gen. nov.
Genotype: *L. nudiventris* (*T. nudiventris*, Cr.).

B. Bullæ perfect internally. No radio-metacarpal pouch. Body hairy..... III. *Saccolaimus*, Less.
Genotype: *S. saccolaimus* (*T. saccolaimus*, Temm.).

Besides *nudiventris*, *Liponycteris* would contain only *kachhensis* and its two subspecies - *magnus*, Wettstein (1914, syn. *babylonicus*, Thos., 1915), and *nudaster*, Thos.

Lissonycteris angolensis goliath Bergmans, 1997

p. 46

Rousettus (Lissonycteris) angolensis; Harrison, 1960: 65, 1961: 287; Meester et al., 1986: 30.

Rousettus angolensis; Fenton, 1975; Hutton, 1986: 227.

Rousettus angolensis angolensis; Smithers et al., 1976: 42, 1983: 65 (in part: records from Zimbabwe and Mozambique).

Rousettus (Lissonycteris) angolensis angolensis; Hayman et al., 1971: 12 (in part: records from Rhodesia); Smithers et al., 1979: 27 (in part: not the record from the Haroni/Lusitu River confluence); Koopman, 1994: 20 (in part: the record from Zimbabwe).

Material examined

ZIMBABWE. Holotype specimen: 1 F, skin, skull, 19-III-1970, Gleneagles, Inyanga, collected by M. Stuart Irwin and party (NHMBZ 59831; field number T1854); paratype specimens: 4 MM, 1 imm. M, 2 FF, 1 imm. F, skins, skulls, same data as für

holotype specimen (HZM 16.7321, field number GNA/MP 1; NHMBZ 59826/29, -32/33 & ZMA 24.719, field numbers T1848/50, -52/53, -55/56).

Other material: Umtali: 1 M, skin, skull, 18-VI-1960, R. H. Smithers (HZM 15.3219).

Referred material (not examined)

MOZAMBIQUE.

(Western boundary of Vila Pery District, 1832Bd, 1832Dc, 1833Cc.)

ZIMBABWE.

(Birchenough Bridge at Sabi River.)

Diagnosis: As for the species, but with large body, skull, and teeth dimensions, with fal ranges of 81.9-87.5 in 4 MM and 82.1-89.6 in 3 FF and gsl ranges of >= 43.3-46.0 in 4 MM and >= 42.2-45.8 in 3 FF, and (antero-posteriorly) lang cheek teeth with rather distinct heels anterior and posterior to the outer cusps.

Measurements: Table 3. Same ratios are:

rl MM 37.2 -38.0 % of gsl (n = 2),
FF 38.2 % of gsl (n = 1);
C^1-C^1 MM 17.4 -20.4 % of gsl (n = 2),
FF 19.0 % of gsl (n = 1);
M^2-M^2 MM 29.1 -30.1 % of gsl (n = 2),
FF 29.4 % of gsl (n = 1).

Distribution: Fig. 5.

Related species: See the account of the typical subspecies.

Remarks

Taxonomy: The seven known localities are all in or near the border area of Zimbabwe and Mozambique, between 18 and 20 30 S and at a distance of about 1000 km from the nearest known populations of *L. a. ruwenzorii*. Ansell (1967, 1974) recorded representatives of the species, here included in *ruwenzorii*, from extreme northwest Zambia and, in 1978 the same author remarked that, apart from northeast Zambia it was perhaps unlikely to occur elsewhere in the

p. 47

[table removed - eds.]

country. Other *ruwenzorii* specimens are known from southeast Zaïre (fig. 5). With fal ranges of 72.3-84.4 in MM and 72.8-83.0 in FF and gsl ranges of 39.3-43.8 in MM and 39.1-43.2 in FF, *ruwenzorii* averages very distinctly smaller than *goliath*. No fruit bats have been recorded from the northeast zone of Zimbabwe (Bergmans, 1988, fig. 1), and the new subspecies' characteristics strongly suggest its prolonged isolation from the Central and East African populations of *angolensis*. Apart from its larger size, its premolars and molars, especially P^3, P^4, M^1 and P_4, M_1 and M_2, are relatively longer, with in lateral view more distinct heels anterior and posterior to the outer cusps, which themselves are relatively obtuse. The difference in size between M^1 and M^2 is generally smaller than in the smaller subspecies *smithii* and *petraea*. As a consequence of the longer cheek teeth, the interstices between them are relatively short.

Harrison (1960), who described the first specimen of *Lissonycteris angolensis* from this region, already remarked on its exceptional size when compared to specimens from Kenya, and re-

p. 48

frained from describing a new subspecies only because of the limited material. Smithers et al. (1979) gave same rounded measurements of specimens from Zimbabwe but did not comment on them.

The palatal ridge pattern has been preserved only in the specimen from Umtali and is typically 3 + 4 + 2.

Distribution and geographical variation: Harrison recorded a specimen from Umtali (= Mutare; square code 1832Dc, or 1832D3), Zimbabwe. Smithers et al. (1976) recorded specimens from along the western boundary of Vila Pery District in Mozambique. They did not mention specific localities (nor where their specimens have been deposited), but on their map the squares 1832Bd, 1832Dc, 1833Cc and 2032Bb have been marked. (From the localities mentioned in their gazetteer, only Machipanda corresponds with 1832Dc and Chemezi with 1833Cc.) Smithers et al. (1979) added Birchenough Bridge on Sabi River (1932Cd) and Gleneagles (1832Bd), both in Zimbabwe, as collecting localities for *Lissonycteris angolensis*. They also mentioned material from the Haroni/Lusitu River, but this actually represents *Myonycteris relicta* Bergmans, 1980 (see present paper).

The distribution appears to be confmed to the escarpment region in the border area of Zimbabwe and Mozambique, between 17 and 21 S, with known occurences from between 200 and 500 m (Birchenough Bridge) to 1800 m (Gleneagles). Smithers et al. (1979) reported that the specimen from Umtali had been taken in an old, established suburban garden with trees and shrubs, where it was feeding on guavas among many *Epomophorus wahlbergi* (Sundevall, 1846), but that two of the other localities were associated with evergreen forest (one of these probably the Haroni/Lusitu River confluence from where the species was incorrectly recorded). According to White (1983) the localities are all associated with forest mosaics, forest transitions or

woodland: 2 are in Undifferentiated Afromontane vegetation (type 19a), 1 is in Drier Zambezian miombo woodland (dominated by *Brachystegia* and *Julbernardia*) (type 26), 1 in *Colophospermum* mopane woodland and scrub woodland (type 28), and 3 in either type 19a, or 16, or 26, in which l6(a) is East African Zanzibar-Inhambane coastal mosaic. Its restricted distribution would suggest that geographical variation within this subspecies is unlikely.

Etymology: The specific epithet *goliath* has been chosen in honour of Dr. David L. Harrison, who would have 'mastered' this Goliath long ago if he had had more specimens. Of course, it also refers
to the subspecies' exceptionally large dimensions.

Lissonycteris angolensis petraea Bergmans, 1997

p. 44

Rousettus aegyptiacus aegyptiacus (not of E. Geoffroy-St. Hilaire, 1810); Dorst *et al.*, 1972: 394 (in part: the specimens from 10 km from Agaro and from Ghimbi).

Rousettus aegyptiacus (not of E. Geoffroy-St. Hilaire, 1810); Largen et al., 1974: 228 (in part: the records from 10 km from Agaro and from Ghimbi).

Rousettus angolensis; Largen *et al.*, 1974: 229, 255.

Rousettus angolensis ruwenzorii; Largen *et al.*, 1974: 230.

Material examined

ETHIOPIA. Holotype specimen: 1 M, alc., skull, 10/13-VI-1968, 10 km from Agaro, at the road to Jimma, J. Dorst and party (MNHN CG 1972-482; field number 4017); paratype specimens: 5 MM, 2 imm. MM, 1 F, 2 imm. FF, alc., skulls, same data as holotype specimen (MNHN CG 1972-482, field numbers 4018/19, -24, -27, -32, -44/46, -51 and ZMA 25.180, field number 4050).

Other material: Didessa River: 1 F, 2 MM, alc. (BMNH 71.2446/47, 72.638). Ghimbi: 1 imm. M, 2 imm. FF, alc., 27/30-IX-1971, J. Dorst and party (MNHN CG 1984-2074/76). Nur Moha-med Cave: alc. material (BMNH).

Referred material (not examined)

ETHIOPIA. Didessa: 2 specimens, alc., 1-1972, J. S. Ash (USNM 497488/89); 1 specimen, 25-1-1973, J. S. Ash (USNM 497490).

(Doki River Bridge.)

Diagnosis: As for the species, but with small average body and skull dimensions, with a fal range in 8 MM' of 72.7-76.3 (mean 74.2) and in 2 FF 71.7-73.5, and a gsl range in 6 MM of 38.5-41.3 (mean 39.7), and (antero-posteriorly) short and low canines and cheek teeth, the latter with relatively long outer ridges.

Compared with *L. a. angolensis* and *L. a. ruwenzorii*, smaller average body and skull dimensions and (antero-posteriorly) relatively shorter upper canines and shorter and lower upper cheek teeth with longer and more diverging outer cusps, or ridges, and P^4 and M^1 more squarish; larger lower cheek teeth equally low and also with relatively lang outer cusps. Compared with *L. a. smithii*, slightly larger in average body and skull dimensions, upper incisors narrower and not sharply curved backward, upper and lower cheek teeth with relatively lang outer cusps, P^4 with a well-developed inner cusp.

Measurements: Table 2. Some ratios are:
rl MM 37.1 - 38.3 % of gsl (n = 6);
C^1-C^1 MM 17.9 - 18.7 % of gsl (n = 5);
M^2-M^2 MM 27.3 - 30.5 % of gsl (n = 5).

Distribution: Fig. 5.

Related species: See the account of the typical subspecies.

Remarks

Taxonomy: The Ethiopian populations of *L. angolensis* are geographically nearest to those in South Sudan, at a distance of about 600 km, identified as *L. a. ruwenzorii* and including the largest specimens of that subspecies: the fal range in 8 MM is 76.5-84.4 and in 8 FF 76.5-80.9; the gsl is c. 41.2 in 1 M and 40.1-41.3 in 3 FF.

The next nearest subspeciesis *L. a. angolensis*, possibly represented at about 1500 km to the West, in the northern Central African Republic (fal of 1 M 74.4, of 1 F 75.1; Schlitter et al., 1982), and still further west in Cameroun where specimens average larger (fal range in 4 MM 73.4-80.0 and in 12 FF 74.5-83.0; gsl in 1 M 42.1 and in 4 FF 38.7-40.5) and, like *ruwenzorii*, differ in teeth morphology. In overall size *L. a. petraea* comes nearest to *L. a. smithii*, but it is separated from this by *L. a. angolensis* and differs in teeth morphology. The cheek teeth in the new subspecies show specific trends in their development. They are relatively weak by being shorter and lower, and at the same time retain long outer ridges (or cusps) instead of the short, more pointed cusps in the other sub-

p. 45

[table removed - eds.]

species, and the inner cusp in P^4 is less obsolete than in *smithii*. The overall weakening of the dentition may indicate that this subspecies represents an old branch of the species, while the long outer ridges, which are probably a primitive character, may have persisted as an adaptation to specific food sources.

The palatal ridge pattern in *petraea* is 3 + 4 + 2 in nine, and 4 + 3 + 2 in two (including the holotype) out of 11 specimens. The sixth ridge is much reduced in two specimens. The specimen with field number 4018 has an M^3 measuring 0.9 x 0.95 on the left side, and the one with number 4024 an M^4 of 1.0 x 0.9 on the right side.

Distribution and geographical variation: The six known localities are all in or near montane rain forest in the southern Ethiopian highlands, at both sides of the Central Rift, with altitudes between 1190 and 2600 m (only of Doki River Bridge no attitude is known). Of the six localities, three are in East African evergreen and semi-evergreen bushland and thicket, two in

p. 46

Undifferentiated Afromontane vegetation, and one in Undifferentiated Ethiopian woodland (types 38, 19a and 29b in White, 1983). The distribution area is separated from the areas of the subspecies *ruwenzorii* and *angolensis* by less favourable and probably uninhabitable vegetation types: towards the west mainly by a Transition from undifferentiated Ethiopian woodland to Acacia deciduous bushland and wooded grassland, and Edaphic grassland in the Upper Nile basin (types 35b and 61 in White, 1983), and towards the south mainly by Somalia-Masai *Acacia-Commiphora* deciduous bushland and thicket (type 42 in White, 1983).

With the exception of the type series, the samples are insufficient to establish possible geographical variation.

Four specimens were infested with typical examples of the nycteribiid fly *Dipseliopoda biannulata* (Oldroyd, 1953).

Etymology: The new subspecies has been named in honour of Dr. Peter J. H. van Bree, former Curator of Mammalogy of the Institute for Systematics and Population Biology (Zoölogisch Museum) of the University of Amsterdam, under whose guidance the author laid the basis for his studies of African fruit bats. The names Peter and *petraea* are both derived from the Greek petra, in its meaning of rock in the metaphorical sense of a solid and trustworthy basis, but also referring to the subspecies' apparent confinement to the tormented relief of the Ethiopian plateau.

Macronycteris Gray, 1866

An updated description is given by Foley *et al.* (2017: 10).

Megaloglossus Pagenstecher, 1885

[Eds.: This is from Jahrbuch der Hamburgischen Wissenschaftlichen Anstalten, 1885, 2: 125 - 128. This paper has the same title as the one in Zoologischen Anzeiger, which is generally considered to be the original description]

p. 126

Megaloglossus: Schwanz mit zwei gegen das Os sacrum und unter einander beweglichen, aber gänzlich versteckten Wirbeln, der zweite verkümmert, Flughaut mit 2 Fältchen von der Basis der zweiten und der dritten Zehe.

In dem einen Merkmal vermittelt also die Gattung *Megaloglossus* zwischen *Macroglossus* und *Melonycteris*, im anderen eutfernt sie sich weiter von *Macroglossus* als *Melonycteris*. Sie nähert sich in der Anordnung der Gaumenfalten, indem die zwei letzten gespalten sind, mehr *Melonycteris*.

Es ist nicht unwarscheinlich, daß auch die neue Art allein in ihrer Gattung steht und man wird dann Gattungscharakter und Artcharakter vielleicht überhaupt nicht zu trennen in der Lage sein. Jedenfalls wird man für jetzt über das obige mit Sicherheit nicht hinaus gehen können.

Nach nachfolgender Tabelle hält die neue Art in der Größe die Mitte zwischen *Macroglossus minimus* Geoffr. und *Melonycteris melanops* Dobs.

Macroglossus minimus M incl. Schwänzchen; *Megaloglossus Woermanni* F; *Melonycteris melanops* M
Körperlänge von Nasenspitze an: 82 mm; 90 mm; 120 mm
Länge des Schädels: 26; 29; 38
Entfernung von Augenmitte bis Schnauzenspitze: 12; 25; 19.5

p. 127

Entfernung von Augenmitte bis zum unteren Winkel der Ohröffnung: 12; 11; 16.5
Länge der Zunge: 21; 28; 28
Höhe der Ohröffnung: 12; 13; 16
Vorderarm: 38; 45; 62
Daumen mit seinem Metacarpus: 15; 19; 25

Dritter Finger: 70; 80; 130
Fünfter Finger: 55; 56; 85
UnterSchenkel: 17; 20; 28
Fuß ohne Sporn: 10,5; 12; 18

Rechnet man alle genommenen Maße jeder Fledermaus zusammen und dividirt durch die Zahl der Maße, so hat *Megaloglossus* das 1.21, *Melonycteris* das 1.54 fache von *Macroglossus*. Über diesen Durchschnittsfaktor gehen bei *Megaloglossus* hinaus die Zunge mit 1.83, die Schnaunze mit 1.33 und der Daumen mit 1.26, bei *Melonycteris* der dritte Finger mit 1.85, der Fuß mit 1.71, der Daumen mit 1.66, der Unterschenkel mit 1.65, der Vorderarm mit 1.63. *Megaloglossus* ist hiernach die größzungige Macroglosse und zum Klettern gut geeignet. Der Fersensporn ist größer als hei *Macroglossus*.

Was die Zähne betrifft, so hat die neue Fledermaus die Formel der beidcn anderen Gattungen:

$^{2+3+1+4+1+3+2}/_{3+3+1+4+3+3}$

Die oberen Schneidezähne sind fast aequidistant, in der Mitte wenig weiter von einander entfernt, die Krone der unteren ist in zwei körnerartige Lappen getheilt, der obere Eckzahn hat, wie bei den anderen Gattungen die vordere Rinne, in welcher der untere gleitet. Der erste obere Lückzahn ist vom Eckzahn deutlich getrennt, wie bei *Macroglossus*, während er bei *Melonycteris* dichter an diesen rückt. Die beiden folgenden Lückzähne sind im vorderen Theile gut entwickelt und etwas hakig gespitzt, während bei *Macroglossus* der vordere, hakige Teil früh abschleift und bei *Melonycteris* der Zahn mehr im Ganzen und plumper sich zuspitzt. So ist namentlich der zweite obere Lückzahn recht kräftig. Die Jochbogen sind weniger nach außen gedrängt als bei *Macroglossus* und setzen sich vorne etwas höher an.

Die Umrandung der Naslöcher steht im ganzen minder vor als bei *Macroglossus*. Die Naslöcher werden theilweise überdeckt von einem

p. 128

deutlichen Zipfel des oberen oder inneren Randes. Die Oberlippe ist breiter, plumper als bei *Macroglossus*, ihre Mittelkerbe eher tiefer.

Die Zunge, indem sie die gleiche Länge hat, wie die des erheblich größeren *Melonycteris*, auch ähnlich breit und dicker, viel massiger als bei *Macroglossus* ist, hat mich zu der Gattungsbenennung *Megaloglossus* veranlaßt. Sie ragt schon heim ungeborenen Jungen aus dem Munde hervor. Ihr Mittelfeld mit einem Pflaster von Platten, jede mit drei nach hinten gerichteten Zähnen, hat fast die Ausdehnung wie bei *Melonycteris*, namentlich eine größere Breite als bei *Macroglossus*. Haar dicht, weich, dunkler als bei *Macroglossus*, umbra-braun, auf der Unterseite graubraun, Flughäute dunkelbraun. Zitzen groß, an den Brustseiten, ungefähr in der Höhe des Ellenbogens.

Nach dem um unser Museum, insbesondere für west-afrikanische Thiere, so hoch verdienten Herrn *Adolf Woermann* habe ich diese Fledermaus *Megaloglossus woermanni* zu nennen mir gestattet. Sie wird als ein Beweis einer gewissen alten Faunalbeziehung zwischen westafrikanischen und malayischen Gegenden betrachtet werden können, wie er ähnlich in den anthropomorphen Affen vorliegt, hier mit einer Ausdehnung nach Polynesien, wie sie für Fledermäuse möglich ist. Wahrscheinlich wird sich das Thierchen weiter verbreitet finden, da die westnfrikanische Fauna sich von der ostafrikanischen im allgemeinen erst am Tanganika-See und Albert-Nianza trennt.

Megaloglossus woermanni Pagenstecher, 1885

p. 245

Fruchtfressende langzungige Fledermäuse sind bisher nicht weiter westlich als im Himalaja gefunden worden. Unser Museum hat eben eine solche durch Herrn Soyaux von Ssibange-Farm in Gabon erhalten. Diese große Veränderung in unserer thiergeographischen Erfahrung berechtigt zu einer vorläufigen Mittheilung. Unser Thierchen gehört in die zweite Gruppe der Macroglossen bei Dobson: Zeigefinger mit Nagel, Zwischenkiefer vorn verbunden. Sie hat das volle Gebiß mit $^{2}/_{2} + {}^{1}/_{1} + {}^{3+2}/_{3+3}$ jederseits. Wäre nicht *Melonycteris* von *Macroglossus* geschieden, so hätte man diese Art auch unter *Macroglossus* lassen können. Wie in der Größe, so vermittelt sie mit einem Theile der Eigenschaften zwischen diesen beiden Gattungen; mit einem Theile aber entfernt sie sich weiter von *Macroglossus* als *Melonycteris*. Der Schwanz, bei *Melonycteris* fehlend, hat hier zwei Wirbel, bei *Macroglossus* drei. Die Flughaut am Fuße bei *Macroglossus* von der vierten Zehe, bei *Melonycteris* von der dritten entspringend, thut dies hier mit Bändchen gleichmäßig von der dritten und zweiten. Die Schnauze ist eher noch einfacher als bei beiden Gattungen; der zweite Lückzahn ragt oben und unten über das Niveau der übrigen: zwei hintere Gaumenfalten sind getheilt, wie bei *Melonycteris* während sie das bei *Macroglossus* nicht sind. Da die Zunge so lang ist wie bei dem erheblich größeren *Melonycteris melanops* Dobson, *alboscapulatus* Ramsay und zugleich breit, schlage ich den Gattungsnamen *Megaloglossus* vor.

Die Art ist dunkelbraun, am Leibe etwas heller, Gesammtlänge von der Schnauze zur Schenkelhaut 90, Unterarm 45, dritter Finger 80 mm.

Die genaue Beschreibung und Abbildung behalte ich mir vor für die Beilagen des Jahresbeiichts über das Museum für 1885.

Micropteropus Matschie, 1899

p. 57

Subgen. *Micropteropus* Mtsch, subgen. nov.

Die Entfernung zwischen dem vorderen Augenwinkel und der Nasenspitze ist ungefähr so gross, wie die Breite des Gesichtes an den Mundwinkeln. Der Gaumen trägt keine Querfalten, sondern eine nach vorn gegabelte Längsfurche in der Mitte, deren Ränder in dem nicht gegabelten Theile von 4 sehr dicht aneinander stehenden, mehr oder weniger deutlichen Höckern bcsetzt sind. Die Lippe ist nicht gefurcht. Der Schwanz ist kaum zu fühlen. Auf dem Plagiopatagium durchschneiden weniger als 32 Fascien den vom Ellenbogen zur Spitze des fünften Fingers verlaufenden Strang. Die Reihe der Molaren ist viel länger

p. 58

als die Entfernung zwischen den Spitzen der oberen Caninen; der letzte obere Molar reicht weit über das Foramen infraorbitale nach hinten. Der knöcherne Gaumen ist ungefähr wie bei *Epomops* gebildet. Der Unterarm ist höchstens 60 mm lang.

Typus: *Ep. pusillus* Ptrs.

Hab. West-Afrika: Ober- und Nieder-Guinea, Congo-Gebiet, Seeen-Gebiet, Bongo im Gebiet des Weissen Niel.

Micropteropus intermedius Hayman, 1963

p. 100.

(Fig. 8)

Type: F adult, 5060, in alcohol. Dundo, Lunda. N.E. Angola. Collected June or July 1953 by Dr. A. DE BARROS MACHADO. Brit. Mus. No. 62.2073.

Native name. - *Tshingunzu* (tshokwe).

Diagnosis. - Larger than *M. pusillus*, with forearm 59 to 63.5, thus falling within the bodily size range of *M. grandis* SANBORN, but cranial measurements notably less, particularly in the rostrum, palate and tooth row. Palatal ridges five (six in *M. grandis*), the first undivided, the remaining four paired, widely separated anteriorly, converging posteriorly so that the last pair are almost in contact, so that the pattern is quite distinct from the two parallel rows of divided ridges in *M. grandis* (see fig.). The number of ridges is as in *M. pusillus*, but the clear separation into distinct pairs is as in *M. grandis*, so that it can be said that not only the skull size but the palate ridge pattern indicates that this species is intermediate between the two other forms in this genus. Principal measurements of the type; forearm 63.5; skull greatest length 33.2, upper toothrow 10.4. (For full comparative measurements see table).

General description. - In all external characters closely akin to other *Micropteropus*. General colour dull brown above, hairs pale for two-thirds their length with dark brown tips. Ventral colour paler. The whole impression is of an animal darker than *M. grandis*. At the anterior and posterior borders of the ears are the normal Epomophorine pale tufts. The interfemoral membrane is well haired. Skull with rostrum less elongate than in *M. grandis*. Teeth slightly built.

The discovery that three distinct species of *Micropteropus* are sympatric at Dundo is of special interest, as until 1950, when SANBORN described *M. grandis*, the genus had been believed monotypic. The new form, *M. intermedius*, is quite clearly intermediate in character between *M. pusillus* and *M. grandis*, and one effect of its discovery is that the generic distinction of *Micropteropus*, as defined by ANDERSEN (1912), is no longer so clearly recognisable as compared with *Epomophorus*. The strong shortening of the rostrum in the type species of the genus, *M. pusillus*, is not matched in either *M. grandis* or *M. intermedius*, in both of which the rostrum is longer in relation to total skull length, and the highly specialised palate ridges of *M. pusillus* lead, in *M. grandis* and *M. intermedius*, to a type which, while still peculiar, is approaching that found in *Epomophorus*. Thus it can be said that these two species tend to link *Micropteropus* with *Epomophorus*.

In this connection it may be mentioned that although the smallest *Epomophorus, E. labiatus minor* DOBSON, has closely similar overall measurements to *Micropteropus grandis*, its very distinct palatal ridges (the first four undivided), together with its longer narrower rostrum and longer, narrower teeth, remove any possibility of confusion.

p. 101

[table removed - eds.]

Mimetillus thomasi Hinton, 1920

p. 240

Mimetillus thomasi, sp. n.

Type. - An adult female, collected at N'dola on Oct. 4, 1919 [by Capt. Guy C. Shortridge (see p. 239)]; original number 481.

This interesting bat, represented by a single specimen, is distinguished from its West-African relative, *M. moloneyi*, chiefly by its larger size, duller colour, and still flatter skull.

General outward appearance and all the essential characters of the genus as in *moloneyi*. Size larger, the forearm measuring 31 instead of 27 - 29 mm. Third digit of wing relatively a little longer, its total length equalling 165 % (instead of 146 - 159 %) of the length of the forearm. Fur on back slightly longer. General colour, above and below, dark brown, deepening almost to black on head, dull, lacking both the gloss and the deep chestnut tinge seen in *moloneyi*.

Skull considerably larger (condyle to canine 14.1, instead of 13 mm.), with the characteristic depression and flattening of the brain-case even more pronounced than in *molouneyi*; interorbital region relatively broader. Dentition without especial peculiarities.

External measurements (taken in flesh by collector). - Head and body 56 mm.; tail 38; hind foot 7.5; ear 13.

Measurements of wing (made on skin). - Forearm 31; third digit, total length 51, its metacarpal and phalanges 1 and 2 being respectively 32.5, 9, and 9.5; fifth digit 36, its metacarpal 29.5. Revilliod's index of width 49.

Skull. - Extreme length 14.6; condyle to canine 14.1; canine to m^3 5.2; width of brain-case in mastoid region 9.5; median occipital depth 4.7; interorbital breadth 5.3; breadth across preorbital swellings 8; width across outer borders of m^3-m^3 7.8.

Mimetillus moloneyi was originally described from Lagos by Mr. Thomas. Many specimens were collected subsequently in Fernando Po; and we have lately received an example from Sierra Leone, collected by Mr. Willoughby P. Lowe. Hitherto no representative of the genus has been found inland or away from the West-African coast. Captain Shortridge's discovery in Rhodesia is therefore of considerable interest. I have great pleasure in naming the second species of this genus in honour of Mr. Oldtield Thomas, to whom I am indebted in so many ways.

Miniopterus Bonaparte, 1837

Miniopterus

In description of *Vespertilio emarginatus*:

Introducendoci ora nel sottogenere *Vespertilio*, il cui tipo inevitabile è il *V. murinus*, L. lo vediam corrispondere a quella sezione de Vespertìlìoni detta de' Murinoidi da Federico Cuvier, e tanto distinto dai nostri *Pipistrelli*, che se non si frapponesse il nuovo sottogenere *Miniopterus* lo riguarderemmo come genere confacendoci agli epistolari desiderii del dottissimo prof. Savi.

Miniopterus africanus Sanborn, 1936

p. 111

Type from Sanford's Ranch, Mulo, northwest of Addis Ababa, Shoa District, Ethiopia. Altitude 8,000 feet. No. 28769 Field Museum of Natural History. Adult female. Collected October 25, 1926, by A. M. Bailey. Orig. No. 73.

Diagnosis. - In general like *natalensis* but much larger. Skull and teeth larger. Zygomatic width greater than mastoid width.

Color. - Type, general color above very light Fuscous, bases of hairs Fuscous with light tips. Chin and throat dark where worn.

p. 112

Rest of under parts light, hairs Fuscous basally with gray tips. A few light gray hairs in pubic region.

A male and female topotype are practically like the type. Three other female topotypes have the head and shoulders near Natal Brown and the back near Clove Brown, some hairs with gray tips. The under parts are as in the type but browner.

Skull. - Large, with zygomatic width greater than mastoid width. Sagittal crest low. Teeth large.

Measurements. - Type and topotypes: forearm 50.4 (48.4 - 50.5). Skull: greatest length 16.9 (16.6 - 17); condylo-basal length 16.1 (16 - 16.5); palatal length 7.8 plus (8.2 - 8.8); interorbital width 4.2 (4.1 - 4.2); zygomatic width 9.4 (9 - 9.5); mastoid width 8.9 (8.7 - 9.1); width of brain case 8.3 (8.4 - 8.5); width across canines 5 (5 - 5.1); width across m^2-m^2, 7.1 (6.9 - 7.1); upper tooth-row c-m^3, 6.6 (6.4 - 6.6); lower tooth-row c-m_3, 7 (7 - 7); length of mandible 12.5 (12.2 - 12.7). Two alcoholic specimens from Kenya Colony: forearm 49.6 - 49.7; second digit metacarpal 45.9 - 45.9; third digit metacarpal 45.6 - 46.5, first phalanx 11.4 - 11.8, second phalanx 32.1 - 33.5, tip 6 - 6.5; fourth digit metacarpal 44.8, first phalanx 9 - 9.4, second phalanx 17 - 17.1; fifth digit metacarpal 40.6 - 41, first phalanx 9.8 - 10.6, second phalanx 7.6 - 7.6. Tibia 21.3 - 21.5; foot 11 - 11.

Specimens examined. - Type and five topotypes (six skins with five skulls) and two specimens in alcohol from Ulukenia Hills, Kenya Colony (U. S. Nat. Mus. Nos. 166595 - 96).

Remarks. - The large size and the color added to the more widely expanded zygoma will separate this form from all other African *Miniopterus*. Heuglin (Reise in Nord. Afrika, 2, p. 32, 1877) records a *Miniopterus* from Lake Tana which was identified by Peters as *M. dasythrix* of south and southwest Africa. His specimen may belong here but it is not recognizable from the description.

Miniopterus breyeri Jameson, 1909

p. 471

Miniopterus breyeri, sp. n.

I name this bat after my friend and former colleague Dr. H. G. Breyer, Chairman of Senate of the Transvaal University College, who accompanied me on the last of my collecting-expeditions in the Transvaal, when the series under description were captured.

It differs so markedly from the form inhabiting eastern South Africa that it requires a name to itself.

I may here say that it is probable that all the South African *Miniopteri*, with the exception perhaps of *M. minor*, Peters, will prove to be geographical subspecies of *M. schreibersi*, a form originally described from Southern Europe.

Sclater's 'Fauna of South Africa' treats the common South-African *Miniopterus* as *M. schreibersi*, but this form, which is of a light grey colour, does not appear to extend into South Africa at all.

Description. - Size as in *M. natalensis*, but lighter in colour. The hairs on the dorsal surface are reddish brown or reddish grey, the tips with a slight tinge of red-gold. On the ventral surface the tips of the hairs are rather lighter, becoming almost white in the pubic region.

The bases of the hairs are never black, as in *M. natalensis*.

Dimensions of the type: -
Head and body 56 mm.; tail 53; ear 11 tragus 6; forearm 46.

Type F. No. 398 (B.M. no. 9.7.2.6).

These examples were found in the great cave at Gatkoppies, in the Waterberg District of the Transvaal. There must have been many hundreds in one small chamber, the roof of which was black for many yards with a continuous cluster of bats.

All the examples examined were females.

Miniopterus breyeri vicinior J.A. Allen, 1917

p. 450

Type, No. 49019, M ad., skin and skull, Aba, northeastern Belgian Congo, Dec, 16, 1911; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 1770.

Differs from *M. breyeri breyeri* in slightly smaller size and in the absence of white on the pubic region.

Upperparts dark drab, the hairs unicolor from base to tip; underparts paler, grayish drab, the hairs dark brown basally with grayish brown tips; the pubic region fulvous; ears and membranes dark brown. Limb bones ventrally light yellow brown; calcar yellowish white.

Wing membranes attached at or slightly above ankle; no post-calear lobe. Ears very small, uniformly convex on outer and upper border, posterior border nearly straight. Tragus long, narrow, with parallel edges, 4.8 mm. long by about 1.5 mm. wide.

Collectors' measurements of type: Total length, 100 mm.; head and body, 52; tail, 48; foot, 11; ear, 11. Forearm (from skin), 43.2; third metacarpal, 40; tibia, 28; foot, 8.8; ear, length, 6.5, width, 7.5.

Skull (type), total length, 14.8; zygomatic breadth, - ; breadth of braincase, 7.5; interorbital breadth, 3.8; maxillar breadth, 5.6; breadth at base of canines, 3.8; maxillary toothrow (with canine), 5.1; length of lower mandible, 10.4; height at coronoid, 3.2; lower toothrow, 6.3.

Represented by 17 specimens (skins and skulls), all adult, and all taken at Aba, Dec. 10, 1911.

Collectors' measurements, 8 males and 8 females (MM; FF): Total length: 101 (94-105); 103 (96-108); Head and body: 54.5 (51-59); 54.0 (50-57); Tail: 46.3 (43-49); 49.0 (46-50); Foot: 10.6 (10-11); 10.5 (10-11); Ear: 10.6 (10-11); 10.7 (10-11).

p. 451

Forearm, from skins, same specimens, M 43.6 (42-44.7), F 44.2(43.4-44.9).

Skull, 5 males, 6 females: Total length, M 14.6 (14.3-15), F 14.7 (14.4-14.9); breadth of braincase, M 7.4 (7.2-7.6), F 7.5 (7.3-7.7).

The present form is similar in general coloration to *M. breyeri breyeri*, from the Waterberg District of the Transvaal, with two topotypes of which the present series has been compared. The pubic region is pale fulvous, however, instead of white, and the average size is considerably less, the forearm in *breyeri* having a length
(3 specimens) of 46 mm. and in *vicinior* (16 specimens) 43.5, the largest specimen of the latter being smaller than the smallest of the *breyeri* specimens. Jameson gives the length of the skull in *breyeri* as 15.5; the average in *vicinior* is 1 mm. less, only one in a series of 12 skulls reaching 14 mm.

M. breyeri vicinior is readily separable from the *M. natalensis* group by its paler, much browner coloration and by other features, as shown by direct comparison with typical *natalensis* and with topotypes of *natalensis arenarius*.

Miniopterus fraterculus Thomas and Schwann, 1906

p. 162

M. 1073, 1077. F. 1079. Knysna

Closely similar in every respect to *M. dasythrix*, agreeing with that species absolutely in colour, even to the peculiarity in the respective coloration of the two sexes. Thus the back of the male is smoky blackish, the head and whole of the under surface dark brown (darker than Prout's brown); the female is dark brown above and below, rimmed with black along the hinder part of the back. But the skull and teeth are very markedly smaller and the forearm rather shorter; though the latter is not so much shorter than in *dasythrix* as might have been expected from the difference in the skulls.

Dimensions of the type, the starred measurements taken in the flesh: -

Forearm 43.7 mm. (other specimens, M 43, F 44).

*Head and body 54 mm.; *tail 53; *ear 9; *tragus 4; third finger 79; lower leg and foot (c.u.) 27.5.

Skull - greatest length 14.7; basal length in middle line 11.2; breadth of brain-case 7.5; height of brain-case from basion 6.3; palate length 5.7; front of canine to back of m^3 5.5; greatest breadth of palate, including molars, 5.6; front of lower canine to back of m_3 5.7.

Type. Male. B.M. No. 5.5.7.18. Original number 1073.

Taken 3 October, 1905.

"In cave on sea-coast."

Like as all the eight specimens of *Miniopterus* found at Knysna are to each other in most respects, we have come to the conclusion that they cannot be referred to one species, as in size they fall into two groups, without intermediates. We have therefore described the smaller form as new, while the larger, as already noted, may be referred to *M. dasythrix* Temm.

"Fairly common. *Miniopteri* were taken in both the caves where *Rhinolophus augur* and *Rousettus collaris* were secured." - *C.H.B.G.*

Miniopterus gleni Peterson, Eger and Mitchell, 1995

p. 128

(MMAD, fig. 60 et 61)

Holotype: Royal Ontario Museum (ROM) 42567, mâle adulte, crâne et peau récoltés le 9 mai 1967 dans une grotte marine entre Sarodrano et Saint-Augustin, à 20 km au Sud de Tuléar.

Description. - Pelage long, soyeux, sombre; poils du dos longs de 7 à 8 mm: Bnun Girofle à Brun Foncé (Ridgway 1912); poils du ventre longs de 5 à 6 mm, couleur générale un peu plus pâle que sur le dos. Oreilles basses, arrondies, à large teagus uniforme (fig. 60). Museau large et poilu. Crâne grand et large avec la boîte crânienne haute, longue et arrondie (fig. 61). Formule dentaire I 2/3, C 1/1, P 2/3, M 3/3.

Diagnose. - Le plus grand des *Miniopterus* malgaches. Diffère de *M. inflatus* d'Afrique (*M. i. inflatus*, MIIN; *M. i. rufus*, MIRU) par les tibias nettement plus longs; les 3ème et 4ème métacarpiens nettement plus longs (3DME et 4DME), la calotte crânienne plus haute (HBC), le rostre plus large (ROSW et CCUP); les rangées dentaires (M^3-M^3) et C-M^3) plus longues et plus larges et par le plus fort rétrécissernent post-orbital (POC). Il diffère de *M. africanus* (MXAF) par le tibia significativement plus court, le 5e métacarpien plus court (5DME), la plus grande largeur du rostre (ROSW, M^3-M^3, CCUP), la plus grande longueur du palais (PALL et PALN). mais la partie post-palatale plus courte (PPL). la plus grande largeur de la rangée dentaire (C-M^3) et de la mandibule (MANL). Le tableau 26 permet de comparer *M. gleni, M. inflatus* et *M. africanus*. *M. gleni* est significativement différent

[table removed - eds.]

p. 131

des autres *Miniopterus* malgaches par tous les caractères, sauf celui de la première phalange, qu'il partage avec *M. majori* (MSMD).

Distribution. - Répandu dans la plus grande partie de Madagascar, et, en particulier, dans les régions côtières.

Nous avons étudié 77 spécimens de cette espèce.

MADAGASCAR NORD: Cap Diégo (ZMK).

MADAGASCAR-EST: 20 km au N.-O. de Maroantsetra. - 40 km au N.-O. de Maroantsetra (MNHN et FMNH).

MADAGASCAR CENTRE: Maninday (ROM). - Beroroha (BMNH).

MADAGASCAR SUD-OUEST: Sarodrano, Saint-Augustin, 20 km au S. de Tuléar (ROM).

Variation systématique. - Etant donné que l'analyse multivariable ou univariable n'a pas permis de trouver de différences entre les populations du Nord-Est et celles du Sud-Ouest, traitées séparément, l'ensemble de l'échantillon malgache a été regroupé en un seul OTU.

Les mesures sur le terrain des exemplaires capturés par nous dans le Sud-Ouest malgache, de l'holotype * et des valeurs moyennes et extrêmes de huit mâles et de quatorze femelles étaient les suivantes:

Poids: 15*, mâle 14.25 (11 - 16); femelle 13.6 (11 - 17).
Longueur totale: 124*, mâle 120.4 (110 - 126); femelle 117.6 (112 - 126).
Longueur de la queue: 56*, mâle 55.2 (53 - 57); femelle 55.2 (51 - 60).
Longueur du pied: 11*, mâle 11.4 (11 - 13); femelle 11.3 (10 - 13).
Longueur de l'oreille au-delà de l'entaille; 15*, mâle 15.0 (14 - 16); femelle 14.8 (14 - 16).
Envergure alaire: 358*, mâle 356.0 (344 - 360); femelle 356.7 (342 - 369).

Les longueurs de l'avant-bras, du tibia et les mesures du crâne de l'holotype et les statistiques basées sur une série de 58 *M. gleni* (MMAD) figurent tableau 26.

Biologie. - On trouve, nichant avec *M. gleni*, dans la region de Saint-Augustin, les espèces suivantes: *M. majori, M. manavi, Triaenops furculus, Myotis goudoti* et *Otomops madagascariensis*. On l'a trouvé en association sympatrique avec *M. fraterculus*; dans des grottes à 20 km au N.-O. de Maroantsetra en juin 1936 (MNHN à Paris). Sur la base des données actuelles, *M. gleni* n'a pas été trouvé associé à *M. manavi* dans la région centrale, dans la savane de l'Ouest ou à la Montagne d'Ambre. A Madagascar, le même gîte est souvent partagé par deux ou quelque fois trois espèces de *Miniopterus*.

Miniopterus inflatus Thomas, 1903

p. 634

Colour of *M. scotinus*. Size larger than in *M. Schreibersi*.

Fur of back about 4 mm. in length, its texture about as in *M. scotinus*, not extending on the interfemoral or wing-membranes except close to the sides below. Colour uniform dark "seal-brown" above, rather paler below. Ears and membranes black.

Skull markedly larger than in *M. Schreibersi*, therefore still more exceeding that of the similarly coloured *M. scotinus*.

Dimensions of the type: -

Forearm 46 mm.

"Head and body 65; tail 48; hind foot 7; ear 11" (*G. L. B.*).

Skull: greatest length 16.7; basal length in middle line 12.3; front of incisors to back of m^3 7.8

Hab. Efulen, Cameroons.

Type. Adult skin (male). B.M. no. 3.2.4.8. Collected 24th July, 1901, by Mr. G. L. Bates.

This *Miniopterus* is at once distinguishable from *M. Schreibersi* by its dark colour and large head, and from *M. scotinus* and *M. Newtoni* by its much larger size.

Miniopterus inflatus villiersi Aellen, 1956

p. 890

?*Miniopterus inflatus* J. ALLEN, 1917; SANBORN, 1936; HAYMAN, 1954.

8 spécimens, n° 54-1-1 (type) à 54-1-8. 3 M. 5 F. Grotte du Marché, Dalaba, 16-4-1954.

Aucun *Miniopterus* n'est signalé jusqu'à présent en A.O.F. En effet, MONARD (1939), VEIGA-FERREIRA (1949), CANSDALE (1948), ROSEVEAR (1953), etc. n'en citent pas. Ce genre n'a pas été trouvé plus à l'Ouest qu'au Cameroun anglais où SANBORN (1936) indique "*M. inflatus*".

Avant d'examiner ces spécimens de Guinée française, j'avais déjà été surpris de constater que divers auteurs rapportaient à *inflatus*, avec quelques doutes d'ailleurs, des Chauves-Souris de taille nettement inférieure.

P. 891

Grâce au matériel rapporté par J. L. PERRET du Cameroun français, je suis maintenant en mesure de confirmer la diagnose de *inflatus* de THOMAS (1903). En effet, je possède 6 spécimens de Nkoétyé, près d'Ebolowa, qui correspondent parfaitement à *inflatus*, en particulier par leurs grandes dimensions. Ce sont presque des topotypes, puisque la localité typique de *inflatus* est Efoulen, situé à quelque 90 km. à l'Ouest de Nkoétyé, dans le même biotope.

Je suis persuadé que les "*inflatus*" de J. ALLEN (Thysville, Bas Congo), de SANBORN (Mont Cameroun) et de HAYMAN (Thysville: Kakontwe; Mont Homa, Congo belge) appartiennent à une autre forme. Les spécimens de Guinée française semblent correspondre à ces derniers et je propose de les nommer *Miniopterus inflatus villiersi*. Il sera peut-être permis d'élever cette forme au rang spécifique, s'il s'avère qu'elle cohabite avec *M. inflatus* typique.

TYPE. - M ad., grotte du Marché, Dalaba, Guinée française, 16-4-1954, collecté par A. VILLIERS. N° du collecteur 2839. N° 54-1-1 des collections zoologiques de l'IFAN, Dakar. 7 paratypes don't 2 M et 5 F.

DIAGNOSE. - *Miniopterus* de taille moyenne, voisin de *inflatus* du Cameroun, mais s'en distinguant par un avant-bras, un pouce et des mesures crâniennes plus petites.

DESCRIPTION. - La coloration de la fourrure est brun noir uniforme. Le patagium et les oreilles sont brun grisâtre. L'extrémité distale du tragus est blanche, dépigmentée; ce caractère s'est révélé constant chez les 8 spécimens.

Le crâne présente la particularité d'avoir la largeur zygomatique plus grande que la largeur mastoïde, ce qui distingue cette nouvelle forme de tous les autres *Miniopterus* africains, à part *africanus* (1) et *rufus* (2). SANBORN (1936 : 111) dit que *inflatus* a des largeurs mastoïde et zygomatique subégales ou que la première est plus grande que la seconde. Ce caractère n'est pas signalé dans la description originale et les auteurs subséquents qui citent *inflatus* n'en parlent pas non plus. Chez les *inflatus* typiques rapportés par J. L. PERRET, la largeur zygomatique est nettement plus grande que la largeur mastoïde.

P. 892

Dans le tableau suivant , on trouvera les mesures de la nouvelle, forme et, à titre de comparaison, celles de *inflatus* typique.

[Table removed - eds.]

Les "*inflatus*" mesurés par J. ALLEN, SANBORN et HAYMAN sont, tout à fait comparables à nos *inflatus villiersi*:

avant-bras : (A) 44.2 - 46: (S) 42.2 - 45.4; (II) 44.4 - 44.6;
crâne. Long. Tot.: (A) 15.3 - 15.9; (S) 15 - 15.3;
- larg. Zygom.: (A) 8.6 - 8.7;
- rang. Dent. I-M^3: (S) 6.9.

p. 893

ECTOPARASITES. - 4 spécimens d'une nouvelle espèce de Nyctéribiidé ont été pris sur ces *Miniopterus*. Cette espèce sera décrite par O. THEODOR sous le nom de *Nycteribia exacuta*, dans son prochain article sur les Nyctéribiidés éthiopiens.

Un spécimen de *Raymondia huberi* FRAUENF. examiné par B. JOBLING a également été trouvé, de même que quelques Acariens non encore déterminés.

Miniopterus Majori Thomas, 1906

p. 175

Size large, slightly exceeding that of the largest South-African members of the genus. Fur fairly long, hairs of back about 6 mm. in length. Colour dark glossy black, with a slight brownish suffusion, the head not or scarcely lighter than the back; the hairs black for their basal half, then dull yellowish brown, their terminal fourth glossy black. Under surface little lighter, the ends of the hairs dark brown instead of black. Fur extending slightly on to interfemoral membrane both above and below.

Dimensions (see below).

Hab. Madagascar. Type from Imasindrary, N.E. Betsileo. Other specimens from Vohimar.

Type. Adult female. B.M. no. 97.9.1.33. Original

p. 176

number 457. Collected 3rd July, 1895, by Dr. C. I. Forsyth Major, after whom the species is named.

This large Malagasy *Miniopterus* differs from *M. dasythrix*, Temm., its South-African ally, by its glossy black colour and the dull yellowish rings on the dorsal hairs, that animal being of a "noir mat," as stated in the original description, confirmed by fresh specimens recently received from Knysna (Rudd Collection).

Miniopterus manavi Thomas, 1906

p. 176

Size small, much smaller than in *M. Majori*, which occurs in the same localities. Fur of medium length, hairs of back about 5 mm. Fur of body extending thinly over nearly half the upper surface of the interfemoral membrane and on the proximal fourth below. General colour blackish, not so glossy as in *M. Majori*, the hairs blackish for two thirds their length, with dull brown tips. Under surface similar, but rather paler.

Some specimens are dull reddish throughout, representing a rufous phase of the species.

Skull comparatively small and delicate, with a smooth and narrow brain-case.

Dimensions (see table below).

Hab. Madagascar. Type from Imasindrary, N.E. Betsileo. Other specimens from Vinanitelo.

Type. Male. B.M. no. 97.9.1.37. Original number 453. Collected 3rd July, 1895, by Dr. C. I. Forsyth Major.

This is the bat called by Dobson *Miniopterus scotinus*, Sund., but Sundevall's species has a forearm 44 mm. in length, and differs also by its much paler colour and its African habitat. *M. Majori* again was referred by Dobson to *M. Schreibersi*, from which, to use his own words, it "only differs in colour and in the forearm being constantly longer."

Peters's *M. minor* is presumably nearly related to *M. manavi*, but from its continental habitat (Zanzibarà) is no doulbt specifically distinct.

Dimensions of the two *Miniopteri* above described: -

	M. majori; *M. manavi* mm
Forearm:	46.3; 39.2
skull:	
Greatest length:	15.5: 13.8
Basal length in middle line:	12; 10.4
Front of canine to back of m^3:	6.4; 5.0
Breadth of palate outside m^2:	6.6; 4.9
Front of lower canine to back of m_3:	6.7: 5.4

p. 177

The difference in size between these closely allied species affords an instance of the curious tendency of Chiroptera to sort themselves into couples, a larger and a smaller form of so many different groups being often found, as in this case, inhabiting the same locality.

Miniopterus minor Peters, 1867

p. 885

In der Färbung, dem Ansatz der Flughäute, der Bildung der Spornen u. s. w. mit *Miniopterus Schreibersii* übereinstimmend, aber beträchtlich kleiner als diese Art.

Totallänge 0^m,086; Kopf 0^m,0153; Ohr 0^m,010; Schwanz 0^m,042; Vorderarm 0^m,037; Mittelfinger 0^m.072; Tibia 0^m,014.

Ein einziges ausgewachsenes Männchen von der Küste von Zanzibar.

Miniopterus minor griveaudi Harrison, 1959

p. 192

in honour of its discoverer, M. Paul Griveaud.

Type: Adult female. Grande Comore Island, Comoro Islands, Indian Ocean. 10 August, 1958. Obtained by M. Paul Griveaud. In my collection, No. 3.2803.

Description: Differs from *Miniopterus minor* Peters in the decidedly narrower braincase and rostrum of the skull (See Photo) and also in colour, being a darker shade of brown on the back and belly. It differs from *Miniopterus minor manavi* only in colour,

there being two colour phases in that form, either blackish on the back or dull reddish, as described by Thomas (1906). The dorsal surface of the Type of *M. minor griveaudi* closely approximates to Bison (Plate .... Maerz and Paul, 1950). On the belly it is slightly

p. 193

paler brown but again darker than the examples of *M. m. minor* and different from both colour phases of *M. m. manavi*.

Measurements of the Type: Forearm 37.8, hind foot 7.2, ear 7.8 mm.

Cranial measurements (in mm.): Condylobasal length 13.1, zygomatic breadth 6.7, interorbital constriction 2.9, breadth of the braincase 6.2, mandible 10.5, maxillary dentition c-m^3 5.0, mandibular dentition c-m_3 5.4, width of the palate from the external alveoli across m^2-m^2 4.9.

Remarks: In contrast to the material of *M. m. manavi*, the paratypical series of *M. m. griveaudi* are very uniform in colour and the five paratypes, three of which are now in the Museum d'Histoire Naturelle, Paris, differ little from the Type. At this stage little definite can be stated about the exact shade of colour found in *M. m. minor*, which was not described in detail by Peters and the two examples here recorded had been immersed for a short while in alcohol and their tint may thus have been slightly altered, but it is clearly different. However, all three skulls of *M. m. griveaudi* which have been examined differ strikingly from *M. m. minor* in their narrvow, delicate braincases, whilst the difference in colour from

p. 194

M. m. manavi is equally striking. It is interesting to note that the fur of the body extends thinly over the proximal half of the upper surface of the interfemoral membrane in all the examples of *M. m. manavi* in which this character can be ascertained, as stated by Thomas in his description. In two of the three examples of *M. m. griveaudi* this part of the membrane is naked, while in one it is haired thinly as in *M. m. manavi* but less marked. In the case of the two examples of *M. m. minor* both have a thin hairy covering of this part of the interfemoral membrane. It is clear therefore that this character does not distinguish the Madagascar form specifically, but that it is of some value in subspecific determination. No differences in dentition have been noted.

The measurements of all the material examined are tabulated below, compared with those of the Type of *M.minor* after Peters.

[table removed - eds.]

Miniopterus natalensis arenarius Heller, 1912

p. 2

Æquatorial Broad Winged Bat

Type from the Guaso Nyuki, Northern Guaso Nyiro River, British East Africa; adult female; No. 181811, U.S. Nat. Mus.; collected by Edmund Heller, October 4, 1911; original number, 4413.

Characters. - Size of *natalensis*, but color paler, pelage shorter; the skull with broader brain-case and with inner incisor greatly exceeding outer in size.

Coloration. - Dorsal color seal-brown, the head darker, clove-brown, and the rump lighter walnut-brown, the hair only slightly darker at the base; underparts washed with drab-gray, the hair basally dark slaty; ears and membranes blackish, the latter narrowly white bordered.

Measurements. - Head and body, 55 mm.; tail, 47; hind foot, 9; ear, 11; forearm, 45.

p. 3

Skull: Greatest length, 14.8; condylo-incisive length, 14.3; basilar length, 11: zygomatic length, 5.6.; upper cheek teeth, 4.8; condylo-incisive length of mandible, 10.9; coronoid-angular depth of mandible, 3.5.

The type was secured in a large crevice among granite boulders on the summit of a small kopje. One other specimen was shot at dusk among some acacia trees in the same vicinity.

Miniopterus Newtoni Bocage, 1889

p. 198

De la taille à peu-près du *M. scotinus*. Pelage d'un beau brun-marron, plus pâle, tirant au roux, sur la partie inférieure de l'abdomen; membranes alaires et caudale noires. Museau court, glanduleux, ayant de chaque côté de la face, au-dessous de l'œil, un sillon horizontal profond. Oreilles beaucoup plus courtes que la tête, d'une forme à peu-près quadrangulaire, à contour supérieur droit; tragus allongé, étroit, arrondi à la pointe. Ailes se prolongeant jusqu'à l'extrémité inférieure de la jambe. Pieds longs et étroits. Queue entiérement comprise dans la membrane interfémorale, de la même longueur que la tête et le tronc réunis. Une bande étroite de poils, de la couleur du dos, sur la face dorsale de la membrane alaire, limitée en dehors par une

ligne tirée du tiers supérieur de l'humerus au milieu du fémur; en dessous tout l'espace compris entre l'humerus et le fémur est revêtu de poils plus clairsemés; la membrane interfémorale nue sur ses deux faces.

Tête et corps 45 mm., queue 43 mm., tête 16 mm., oreille 95 mm., tragus 45 mm., avant-bras 39 mm., pollex 5 mm., 3^{e} doigt - metac. 34 mm., 1^{e} phal. 10 mm., 2^{e} phal. 28 mm., jambe 16 mm., pied 9 mm.

Nos individus de St. Thomé me semblent bien distincts du *M. scotinus*, de Madagáscar et de la côte orientale d'Africa, le seul avec lequel il serait possible de les confondre, par son système de colora-

p. 199

tion et surtout, par une disposition tout-à-fait différente des poils sur les membranes alaire et interfémorale. Je suis arrivé à cette conclusion non pas par suite d'une comparaison directe des deux especes, car le *M. scotinus* ne se trouve pas représenté dans nos collections, mais en me servant de la description de cette espèce, publiée par M. Dobson dans son *Catalogue des Chiroptères du Muséum Britannique*. "Le *M. scotinus*, suivant cet auteur, est d'un brun-roux ou brun-foncé, presque noir, avec les parties inférieures d'une teinte plus pâle. En dessus l'aile porte une bande distincte de poils courts entre le coude et le coude-pied, tandis que l'espace compris entre la moitié externe de l'humerus, le tibia et le genou est presque entiérement nu; la moitié de la membrane interfémorale est couverte de poils courts et clairsemés, qui forment aussi une bande sur le bord interne de la jambe jusqu'à la base du calcanéum".

Miniopterus rufus Sanborn, 1936

p. 112

Type from Katobwe, 40 miles below Bukama on the Lualaba River, Tanganyika-Moero, Belgian Congo. No. 29416 Field Museum of Natural History. Adult male. Collected November 28, 1926, by J. T. Zimmer. Orig. No. 566.

Diagnosis. - About the size of *M. africanus* but with shorter forearm and tibia and of a reddish brown color.

Color. - Reddish brown, between Kaiser and Carob Brown (Ridgway, 1912), slightly lighter below. Hairs uniform to bases.

p. 113

Skull. - In general like *africanus* but narrower and with lambdoid and sagittal crests more developed and mandible heavier.

Measurements. - Forearm 47.4. Skull: greatest length 16.9; condylo-basal length 15.9; palatal length 8.7; interorbital width 4.1; zygomatic width 9.4; mastoid width 9.1; width of brain case 8.2; width across canines 5; across m^2-m^2, 6.7; upper tooth-row c-m^3, 6.4; lower tooth-row c-m_3, 7; length of mandible 12.8.

Remarks. - While there is but one specimen, the type, the character of the skull and the very different color seem to be of enough importance to separate this form from other African *Miniopterus*. There seems to be no red phase in this genus as in *Hipposideros, Myotis*, and others, but there has been another *Miniopterus* described which is of about this color, *M. ravus* Sody, of central Java.

Mops (Allomops) faradjius J.A. Allen, 1917

p. 476

Type, No. 49222, M ad. (in alcohol), Faradje, northeastern Belgian Congo, Nov. 1, 1913; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig, No. 3015.

Similar to *A. osborni* in general size and in coloration, but with a shorter forearm (44 instead of 49 mm.), a vestigial p^2 on the right side only, in the toothrow (visible only by aid of a strong lens), less developed sagittal and lambdoid crests (doubtless due to the fact that it is much younger than the type of *osborni*), darker upperparts and a more decided brownish band across the pectoral region.

Upperparts blackish brown, much darker than in *osborni*; underparts blackish brown along the sides and across the throat, forming a darker and broader pectoral band, the central area broadly whitish. Ears and membranes blackish, and in all other respects similar to those of *osborni*. The broad patch of glandular hairs between the ears deep black, fuller and longer than in *osborni* and covering the membrane connecting the ears, but not lengthened into a crest as in *Lophomops*.

Total length, 108 mm.; head and body, 76; tail, 32; forearm, 43.5; third metacarpal, 42.5; third finger, 82; ear from crown, 10; from notch behind antitragus, 17; expanse from tip to tip of both ears, 32.8; tibia, 15; foot, 9.

Skull, total length, 22.2; zygomatic breadth, 12.9; mastoid breadth, 11.5; breadth of braincase, 9.3; interorbital breadth, 4; maxillar breadth, 8.8; breadth at base of canines, 6.7; upper toothrow (c-m^3), 7.6; length of mandible, 14; angle to condyle, 4.5; depth at coronoid, 3.7; lower toothrow, 8,7; transverse extent of lambdoid crest at upper border, 6.7.

Represented by only the type, taken at Faradje, and labelled by the collectors

p. 477

as "from the; stomach of a *Machærhamphus* hawk." The specimen (preserved in alcohol) is practically uninjured for study.

As noted above, *Mops (A.) faradjius* closely resembles osborni, but it has a much shorter forearm; a slenderer body, and, though a male, is somewhat smaller in both external und cranial measurements. It is also markedly darker in general coloration. The type localities of the two forms (Kinshasa and Faradje) are far apart and in regions of widely different environment.

Mops (Allomops) nanulus J.A. Allen, 1917

p. 477

Type, No. 48864, M ad., skin and skull, Niangara, Belgian Congo, Dec. 12, 1910; Herbert Lang and James P. Chapin, American Museum Congo Expedition. Orig. No. 1318.

Similar in cranial characters and in dentition to *Mops (A.) occipitalis*, but much smaller and much lighter in coloration.

Upperparts cinnamon-brown; below with the whole median area lighter, the tips of the hairs dull gray with a slight yellowish or buffy tone, the sides much like the back but rather darker; extreme lower back naked or with only a slight pubescence; a thin fringe of bristly hairs from the posterior border of the dorsal pelage, the longer of these reaching to the base of the tail. Wing membranes from the sides of the back, light brown above, somewhat paler apically and on the lower surface. Interfemoral membrane palish brown above and below. Ears of medium size and thickness connected by a low membrane, from tho back of which (most prominent in males) is a tuft of lengthened hairs, as in its larger congeners; inner base of ears heavily furred and otherwise agreeing closely in form and structure with those of *occipitalis*. Tragus small, pointed, black. Antitragus of medium size, broad basally, convex on upper border. Tail short, rather more than the apical half free.

Skull and dentition similar to that of *A. occipitalis*.

Type, collectors' measurements: Total length, 82 mm.; head and body, 61; tail, 21; foot, 9; ear, 15. Forearm (from skin), 28.5. (The type is the largest of a series of 6 specimens.)

Type and 5 topotypes (3 males, 3 females), collectors' measurements: Males, total length, 78.7 (75-82), females, 76 (76-77); head and body, males 58 (56-61), females 55.7 (54-58); tail, males, 20.3 (19-21), females, 20 (19-21); foot, males 8 (7-8), females 9 (all 9); ear, males 15.5 (15-17), females 17 (16-18). Forearm (from skin), males 28.6 (28.3-28.7), females, 27.4 (27.3-27.0).

Skull (type), total length, 16.8; condylobasal length, 15.5; zygomatic breadth, 10.9; mastoid breadth, 9.6; interorbital breadth, 3.3; maxillar breadth, 7.3; breadth at base of canines, 3; depth (including pterygoids), 5.7; upper toothrow (with canine), 6.1; length of mandible, 11.2; height, angle to condyle, 3.5; depth at coronoid, 2.9; length of toothrow, 6.8.

Skull, type and 5 topotypes (3 males, 3 females): males, total length, 16.5 (16.0-16.8), females 15.4 (15.3-15.0); zygomatic breadth, males 10.3 (10.5-11), females; 9.9 (9.8-10). The females are thus smaller than the males, and they also lack the extreme development of the supraoccipital region shown by the males.

Represented by 7 specimens, all collected the same day at Niangara.

p. 478

This species is readily distinguished from all other known African mollosid bats by its extremely small size, aside from any other characters.

Although the premaxillæ are slightly emarginate behind the incisors, the other characters both external and cranial, agree completely with the larger forms here referred to *Allomops*, even in the sexual difference, and especially the sexual difference in the size of the lower premolar, p_2 being larger than p_4 in the males and smaller than p_4 in the females.

Mops (Allomops) occipitalis J.A. Allen, 1917

p. 474

Text Fig. 15

?Nyctinomus thersites THOMAS, Ann. and Mag. Nat. Hist. (7), XII, p. 364, Dec. 1903. Efulen, Cameroons.

Type, No. 48851, ad. M, skin and skull, Avakubi, Belgian Congo, Feb. 13, 1914; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 2487.

Pelage short, soft and velvety, about 1.5 mm. in length on the back to about 2.5 on the sides of the neck, throat, and sides of body below. External base of ears and whole space between them thickly covered with slightly lengthened glandular black hairs, which also cover tho back of the low connecting membrane, but do not rise much above it.

Fur of upperparts dark chocolate-brown; the sides of the back, the lower back from a line joining the hips posteriorly, and the hind limbs naked and blackish, the central furred portion of the back, from considerably in front of the shoulders to hips, of about

the same width as the naked area each side. A scanty fringe of long bristly hairs (blackish or mixed with a few whitish ones) from the hips, directed backward, the longest reaching to or beyond the middle of the uropatagium (scanty or nearly wanting in some specimens). Underparts blackish laterally, the median area buffy brown; a ventral area (corresponding ventrally with that of the lower back) and limbs naked, pale rusty brown (the denuded space much reduced in some specimens). Ears near together, blackish brown, united by a low membrane which extends forward as a swollen obtuse projection reaching nearly half-way to the nose; front and upper border of ears thickened, forming a sharp angle at the anterior inner border; tragus merely a minute dusky point, about 2 mm. in height; antitragus brownish, small, about 4 X 4 mm., bluntly convex above. Face naked, blackish; nostrils prominent, upper lip weakly corrugated; chin naked, brownish. Wings from middle of tibia. Forearm and membranes naked. Wing membranes above, including antebrachium, blackish brown, lighter, grayish brown apically; below simi-

p. 475

lar, the humerus and forearm whitish, in strong contrast with the membrane. Uropatagium dark brown and naked on both surfaces.

Collectors' measurements of type: Total length, 98; head and body, 68; tail, 30; foot, 11; ear, 18. Additional measurements from the skin: Forearm, 38; tibia, 15.5; foot, 10; ear from crown, 9; from notch behind antitragus, 16.

Collectors' measurements of 4 specimens (2 males, 2 females) from Medje (near type locality); Total length, 99 (98-101); head and body, 70 (68-73); tail, 29.2 (28-30); foot, 9.6 (8-11); ear, 18 (all 18). Forearm (from skins), 38 (36-39).

Measurements of the type skull: Total length, 20.4; condylobasal length, 18; zygomatic breadth, 12.7; mastoid breadth, 11.5; breadth of braincase, 9.5; interorbital breadth, 4.1; maxillar breadth, 8.2; breadth at canines, 5.8; depth (including pterygoids), 7.8; length of upper toothrow (c-m^3), 6.9; length of mandible, 13.4; angle to condyle, 4.5; depth at coronoid, 4; length of lower toothrow, 7.4 (Fig. 15).

Four skulls from Medje: Total length, 2 young adult males, each 91.8; 2 young adult females, 18.3, 18.8; zygomatic breadth (2 males, 1 female), all 12.5.

In the adult males the skull has the occipital region enormously developed, the lambdoid crest being high and broad with a marked backward overhang. In females and young males (subadult) it is much less developed. The mandible is noticeably massive in even young specimens.

Represented by the type, from Avakubi, and 6 specimens from Medje, of which 2 are about half grown and the others young adults, collected Sept, 15-16, 1910.

p. 476

Judging from the description, *Nyctinomus thersites* Thomas, greatly resembles the present species but whether they are identical cannot be satisfactorily determined without direct comparison of the types. The description of *thersites* makes no direct mention of the coloration of the underparts, which in *occipitalis* are very unlike the upperparts, the coloration of *thersites* being described as "Colour brownish chestnut, glandular hairs back of ears black." Other features mentioned point strongly to a form greatly resembling *occipitalis*. In *thersites* the premaxillæ are thus described: "Premaxillæ separated, but opening between them small," for which reason the species has been regarded as a *Nyctinomus*. In six skulls of *occipitalis* the premaxillæ are fully ossified in four of them and in the other two (one of them the type and the most mature specimen) there is a slight opening behind and between the incisors. In a skull of *A. faradjius* (the only one available for examination) the premaxillæ are fully ossified. In five adult skulls of the much smaller *A. nanulus* there is a very small opening at the inner base of the incisors in all, but in all other characters, external and cranial, including color pattern and femoral bristles, *nanulus* is obviously only the little brother of the three larger forms here referred to *Allomops*.

Mops (Allomops) osborni J.A. Allen, 1917

p. 473

Text Fig. 12-14, and 26.

Type, No. 49230, M ad. (in alcohol), Kinshasa (near Leopoldville), Belgian Congo, Dec. 22, 1914; cotype, No. 94244, F ad. (alcoholic), same locality and date. Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. of type 2570.

Upperparts dark hair-brown with a grayish sheen, the hairs whitish at extreme base; underparts, sides paler brown than back, the hairs grayish-tipped, the central area from chest posteriorly broadly white, throat and an indistinct pectoral band; grayish brown; wing membranes and limb bones above dark brown, below lighter, becoming whitish toward the body, including the propatagium and a narrow posterior edging; uropatugium dark brown above, whitish below; ears united by a deep band, the back of the membrane (in both sexes), covered with lengthened hair-brown hairs which barely reach its upper border (Fig. 14). Tragus minute; antitragus small (about 4 X 4 mm.), evenly rounded above. Sides of back, lower back and hind limbs above naked and dark brown; under side of limbs and anal region naked and yellowish white. Face dark brown; upper lip heavily corrugated. No gular pouch in either sex. Feet heavily clothed with spoon hairs (see Fig. 20, p. 556).

Total length, male type, 111.3, female cotype, 106.6; head and body, 73.5, 70, tail, 37.8, 36.6; forearm, 49, 47; third metacarpal, 47.2, 46.5; tibia, 17.5, 16.5; foot 10.5, 10.2; ear from crown, 8.5, 9; length from notch at posterior base of antitragus, 14.7, 12.5; expanse (tip to tip), 33.8, 32.

Skull in the old-adult male type with a highly developed sagittal crest, as in *Mollossus*, but differing from the latter in having also the lambdoid crest enormously developed, as in some other species of the *Mops* group. In the male type the sagittal crest has a height of 1.8 mm. and extends from the interorbital region to the lambdoid; in the female cotype neither the sagittal nor the lambdoid is more developed than in some species of *Nyctinomus* (e.g., *N. ochraceus* and *N. leonis*). Rostral and interorbital regions broad (as in other species of the group), the braincase wide and rounded; premaxillæ fully ossified; palate deeply concave; basisphenoid pits small and shallow; p^2 vestigial, on the outer edge of the toothrow and difficult to see without the aid of a strong lens. The type has only one upper incisor, the right having been lost in life, (Figs. 12 and 13).

Measurements of type (male) and cotype (female) skulls: Total length, M 22,9,

p. 474

F 20.7; condylobasal length, M 19.6, F 18.6; zygomatic breadth, M 13.4, F 12.6; mastoid breadth, M 12.2, F 11.8; breadth of braincase, M 10.4, F 9.9; interorbital breadth, M 4.4, F 4.5; breadth at base of canines, M 6, F 5.7; maxillary breadth (between outer borders of $m)^3$), M 9, F 9.2; depth of braincase medially (without the crest), M 7, F 6.8; upper toothrow (including canine), M 7.7, F 7.2; length of mandible, M 15, F 13.3; angle to condyle, M 5.2, F 4; depth at coronoid, M 4.2, F 3.4; lower toothrow (including canine), M 8.5, F 8.1. Height of sagittal crest in male, 1.8, in female, 0.5.

Represented by 2 alcoholic specimens, type (M) and cotype (F), collected at Kinshasa, 6 miles from Leopoldville, lower Congo, December 22, 1914.

The only species with which the present form needs comparison is *Mops (Allomops) faradjius*, which differs from it in smaller size, less highly developed sagittal crest, less concave palate, and in certain other features indicated under *M. (Allomops) occipitalis*.

Mops angolensis niveiventer Cabrera and Ruxton, 1926

p. 594

B.M. 2 M, 4 F (En maison.)

Type. Adult female, obtained in Saint Joseph de Luluabourg, April 16th, 1924. Collector's no. 409.

General colour dark vandyke-brown; under surface entirely pure white; without any buffy or brownish tinge.

p. 595

Dimensions of type: -

Head and body 72 mm.; tail 34; forearm 45; hind foot 11 ; ear 21.

Skull: condylo-basal length 19.3 ; zygomatic breadth 13.4; breadth of brain-case 10.5; upper tooth-row from canine 7.8; lower tooth-row from canine 9.2.

Specimens of *M. angolensis* from different parts of Africa appear to differ constantly among themselves by the coloration of the ventral surface. Those coming from the Angola coast have pale reddish-white bellie ; others from the Shire River (Portuguese East Africa) present also the lower parts strongly suffused either with brown or buff, while in specimens from Bagamoyo the belly is white only in the centre. These differences may be of subspecific significance; at least, we think it convenient to describe under a trinomial the form inhabiting the Lulua region, with its quite pure white underside.

In connection with *M. angolensis*, it is interesting to state that this specific name was given by Günther, and not by Peters as generally said. Peters described the typical Angolan bat in the 'Jornal' of the Lisbon Academy, vol. iii. 1870, p. 124, as "*Nyctinomus*, nov. sp.," the name *angolensis* being originally published, and wrongly attributed to Peters, by Günther in the 'Zoological Record' for 1870 (dated October 1871), p. 8, with the quotation of Peters's description as a basis.

Mops angolensis orientis G.M. Allen and Loveridge, 1942

p. 166

6 M 4 F (M.C.Z. 38826-35) Kitaya, T. T. 3.iv.39.

Type. Museum of Comparative Zoölogy No. 38829, an adult male, skin and skull, from Kitaya, Rovuma River, southeastern Tanganyika Territory. Collected by Arthur Loveridge, April 3, 1939.

Description. One of the stout-bodied forms with white underside, slightly smaller than *Mops (Allomops) angolensis osborni* of the Great Lakes region, to which it is related, and with the upper surface faintly tinged with tawny ochraceous instead of being uniform drabby brown; skull slightly smaller and with less development of the sagittal crest.

Distribution of the fur as in *M. a. osborni*, the wing above naked, but with a narrow line of whitish hairs on the anterior and posterior sides of the humerus; hind legs practically naked as well as the posterior part of the rump and the anal region, where,

however, minute scattered hairs are visible under a lens. Face, chin and ears blackish, with minute sparse hairs; toes with the usual longer stiff hairs as well as lateral hairs on outer edge of the first and fifth toes. Entire under surface of the body pure white to the edge of the membrane, with

p. 167

slight individual variation, so that in some specimens the sides of the neck are pale drab while in others this tint is more extensive, from the axilla back along the side halfway to the groin. Wings dusky brown, becoming whitish lateral to the forearm; this pale area varies individually but may extend to the tip of the third finger.

Measurements. The collector's measurements of the type are: head and body, 86 mm.; tail, 40; hind foot, 13; ear, 19; spread of wings, 340.

The cranial measurements of the skull of the type are: greatest length, 21.8 mm.; condylobasal length, 19.2; palatal length, 9.9; zygomatic width, 13.0; mastoid width, 11.5; width outside molars, 9.5; upper cheek teeth, 7.7.

In the adult-male skull the occiput is produced behind and squarely truncate, with a transverse angular crest, while the knife-like sagittal crest extends forward to the interorbital level. In the upper jaw the anterior premolar is minute and crowded into the outer angle between the canine and large premolar, which are in contact in their median line. In the lower jaw the anterior pair of incisors overlaps the posterior pair, and all four are bifid. In males the two lower premolars are of nearly equal height, but in females the anterior one is distinctly the shorter.

Remarks. The series is uniform in the decided tint of russet above instead of the dull drab of *osborni*, while the much clearer and more extensive white area of the lower side and the whitish wings, distinguish it further and altogether probably reflect the somewhat different climatic conditions of this part of the coast as compared with the Tana River and Lake region. The form, *Mops faradjius*, is a darker representative found in the northeastern Congo forest; probably all should be regarded as races of *M. angolensis*.

Habitat. These bats were roosting under the galvanized roof of the baraza house. I set up the net at 6.30 p.m.; the bats began emerging at 6.45 p.m. and by 7 p.m. I had removed ten of this species and one of the much smaller *C. limbatus*. Naturally their stomachs were empty, none of the females held embryos. The natives apply the same name *kiputiptiti* to them as for other small bats.

Mops angolensis wonderi Sanborn, 1936

p. 114

Type from Sotuba, 7 km. east of Bamako, French Sudan. No. 42138 Field Museum of Natural History. Adult female. Collected April 13, 1934, by Frank C. Wonder. Orig. No. 814.

Diagnosis. - Like *M. angolensis* but smaller and with lighter-colored under parts.

Color. - Type: upper parts dark brown, lighter on head and very strongly flecked with gray. A broad, almost hairless collar across shoulders. Below brownish gray on throat and chin; center of belly and sides of body from femur to groin white. Between these white areas, dark gray. Other specimens show more dark gray below and in one there is a rather spotted line of brown, but in all the sides of the body are white from femur to groin.

Skull. - Probably smaller than in *angolensis*, for which I can find no measurements, and shorter, with a narrower zygomatic width, and a much shorter lower tooth-row than in *M. a. niveiventer* Cabrera and Ruxton. Sagittal and lambdoid crests well developed and preorbital processes distinct. Anterior upper premolar minute.

Measurements. - Forearm 45.7 (44.8 - 48.5; 5 skins 44.8 - 47.8, 3 skeletons 46 - 47.5, one alc. 48.5). Skull: greatest length 20.9 (20.1 - 21.8); condylo-basal length 17.9 (17.9 - 18.8); palatal length 8.6 (8.6 - 8.8); interorbital width 4.5 (4.5 - 4.7); zygomatic width 12.6 (12.4 - 13.1); mastoid width 11.8 (11.7 - 12.2); width of brain case 10.4 (10.3 - 10.5); width across canines 6 (6 - 6.5); across m^2-m^2, 8.7 (8.6 - 9.1); upper tooth-row c-m^3, 7.3 (7.3 - 7.8); lower tooth-row c-m_3, 8 (8 - 8.6); length of mandible 13.5 (13.5 - 14.6). Measurements of alcoholic specimen: forearm 48.5; second digit 47.3; third digit metacarpal 50.9, first phalanx 22.9, second phalanx 23.6, tip 12; fourth digit metacarpal 49, first phalanx 20.5, second phalanx 18.8; fifth digit metacarpal 33.5, first phalanx 13.2, second phalanx 6.4. Ear, from meatus 15, from crown 12.6. Tibia 17.1, foot 13.

Mops chitauensis J.Eric Hill, 1937

p. 3

TYPE. - No. 88116, Amer. Mus. Nat. Hist.; M adult, skin and skull; from Chitau, Angola, alt., 4930 ft. Secured by the Phipps-Bradley Expedition, Mr. Lee S. Bradley, collector, orig. no. 676, February 10, 1933.

This species is known only from the type specimen.

GENERAL CHARACTERS. - A blackish brown, grizzled species of Mops; skull with high lambdoidal crest. Uropatagium reaches to heel, wing membrane attached to lower third of tibia.

COLORATION. - Upperparts near fuscous-black, shading into black on the head, grizzled with whitish hairs and tips; bases of hairs paler. Underparts dirty whitish. Wings darker than fuscous, as are the ears. Upper arms and legs pale.

SKULL. - Short and broad; supraoccipital region produced more than usual for *Mops*, but sagittal crest poorly developed.

DENTITION. - Upper incisors closely approximated, separated from canines by a gap. P^2 minute, situated laterally to axis of tooth row; P^4 and canine in contact medially. M^3 about half size of M^1 and M^2, with a V-pattern.

MEASUREMENTS. - Head and body, 75; tail, 41; forearm, 46.3; digit III, 47.0 X 19.4 X 19.9 X 8.4. Skull: greatest length, 23.3; basilar length, 17.6; palatilar length, 8.2; zygomatic breadth, 14.5; interorbital breadth, 4.5; mastoid breadth, 12.7; outside breadth across M^2 - M^2, 9.7; maxillary alveoli, 9.1; crowns P^4- M^3, 7.0; width M^1, 2.9.

Except for coloration, this species resembles the description of *Mops angolensis* (Peters). A specimen from Chitau, agreeing in color with Peters' description, collected by the Pulitzer Angola Expedition of the Carnegie Museum, has less extensive uropatagium and the wing membranes attach to the middle of the tibia. Cranially the occipital region is much less produced.

Mops congicus J.A. Allen, 1917

p. 467

Plate LV.

Type, No. 48893, F ad. (skin and skull), Medje, Belgian Congo, Sept. 8, 1910; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 966.

Above uniform deep chestnut-brown, the extreme base of hairs rufous; sides of back and lower back naked; below snuff-brown, passing into bister laterally, the extreme tips of the hairs on the middle area buffy; a naked band at base of uropatagium, continuous with the wholly naked hind limbs; wing membranes naked, blackish brown above, a little lighter brown below; interfemoral membrane naked, dull brown above and below. Ears joined by a low membrane, which extends forward as a protuberance in front of the ears; ears thick and leathery, black, with a strong frontal keel; tragus minute, difficult to distinguish in dry skins; antitragus small, low, evenly rounded above, about 5 by 3 mm. Face and chin naked, dark brown; nostrils prominently projecting; upper lip heavily corrugated; thumb with a conspicuous basal pad. A very small patch of fur near outer base of humerus, and a dense patch on inner upper border of ear; outer base heavily furred.

Collectors' measurements of type: Total length, 140 mm.; head and body, 91; tail, 49; foot, 17; ear, 22. Type and 12 adult topotypes; Total length, 138 (131-14x); head and body, 93.4 (86-100); tail, 45.3 (41-49); foot, 15.8 (15-17); ear, 22 (20-24). Additional measurements from skins: Type, forearm, 55; third metacarpal, 54; thumb (with claw), 9.3; foot, 15.8; length of ear on outer border, 19; breadth of ear near upper border, 9.5. Forearm, type and 14 topotypes, 55.8 (54.7-57.4).

Skull narrow and deep, heavily ossified; a low continuous median crest from front of interorbital constriction, joining the rather heavy lambdoid; preorbital process weak; braincase with a strong transverse preoocipital depression; basisphenoid pits very deep and large, circular in outline. Upper incisors slightly separated and parallel; lower incisors, middle pair bifid, the outer slender, posterior to the middle pair; canines not specially modified; first upper premolar minute, in the toothrow, separating the canine from p^4; first lower premolar about equal in size to the second.

Skull of type: Total length, 25; condylobasal length, 22.4; zygomatic breadth, 15, mastoid breadth, 13.2; interorbital breadth, 4.7; maxillar broadth, 10,3; breadth

p. 468

at canines, 8.7; breadth of braincase, 11.7; depth of braincase at condyles, 9.5, at bullæ, 10.7; upper toothrow (with canine), 8.9; length of mandible, 19.4; angle to condyle, 5.6; depth at coronoid, 4.6.

Skull, type and 11 topotypes (1 male, 10 females), total length, 25 (24.4-25.6); zygomatic breadth, 15 (14.5-15.0).

Represented by 15 specimens (of which 3 are alcoholic), all taken at Medje, September 1910.

Chærephon congicus is easily distinguished by its size, and dark coloration. The length of the forarm averages 56 mm. in a series of 12 adults, the skull 25, zygomatic breadth 15. It greatly exceeds the size of *C. angolensis* from which it also differs in other important characters. The forearm in *angolensis* is given by Peters as 48 mm., and by Dobson as 47 mm., while the average in *congicus* is 55.8. It differs from *C. midas* in being smaller (forearm 55.8, in midas 60.4), with much smaller ears and much darker coloration.

Mops niangaræ J.A. Allen, 1917

p. 468

Type (and only specimen), No. 48901, M ad. (skin and skull), Niangara, northeastern Belgian Congo, Dec. 12,1910; Herbert Long and James P. Chapin. American Museum Congo Expedition. Orig. No. 1313.

Similar to *M. congicus* but smaller and much paler.

Upperparts uniform cinnamon-rufous, extreme base of hairs much lighter; underparts tawny-brown, lighter and more yellowish on the pectoral area; ears, membranes and the broad naked space along sides of back and posterior margin of body dark brown; ears not joined at base, thick, and otherwise as in *M. congicus*. A. large crown-patch of lengthened hairs, similar in color and texture to the surrounding pelage, but much longer, forms a broad, low crest covering the interaural portion of the head.

Collectors' measurements: Total length; 125 mm.; head and body, 91; tail, 34; foot, 13; ear, 22. Forearm (from skin), 52; third metacarpal, 52; foot, 13; ear from crown, 8.6; from notch at antitragus, 21; transverse breadth, 13.2; tragus very small, breadth at base and height about equal.

Skull, total length, 23.2; condylobasal length, 21.6; zygomatic breadth, 14.4; breadth of braincase, 11.1; interorbital breadth, 4.0; maxillar breadth, 9.8; breadth at base of canines, 7.1; upper toothrow (with canine), 8.2; length of mandible, 16; depth at condyle, 5.4; at coronoid, 4.5; lower toothrow, 9.4.

Mops niangaræ is structurally closely similar to *M. congicus*, but is smaller and much paler, and the ears are not joined by a membrane. The forearm is 4 mm. shorter and the cranial measurements are correspondingly less.

This is the only species of molossid bat in the present collection, numbering 19 species, in which the ears are not joined across the forehead by a strongly developed band, if we regard the high convex lappet between the ears, but not distinctly joined to them, in *Chærephon (Lophomops) abæ* as

p. 469

morphologically a connecting ear-band. In the present species (represented by the single type specimen) there is not even a vestigial band, but the position it should occupy if present is outlined by a line of slightly lengthened dark brown hairs, giving the visual effect of a vestigial band till it is carefully examined and found not to be a slight ridge of membrane.

Mops osborni occidentalis Monard, 1939

p. 78

ALLEN, LANG and CHAPIN: Bats From the Belgian Congo. Bull. Amer. Museum, 37, 1917. p. 473 (sur *M. osborni*)

Collection: N^{os} 215 à 227, 275. 13 MM, une F, Mansoa; 494 à 498, un M, 4 FF, Contubo-el; 775 à 780 et 788 à 790, 4 MM et 5 FF, Pitche. En tout 29 exemplaires,

Le sous-genre *Allomops* a été crée par ALLEN sur 4 espèces du Congo belge. Il est caractérisé par la forme du crâne, qui, chez les vieux mâles, présente une crête lambdoïde extrêmement saillante et prolongée au-dessus du trou occipital. Les autres caractères indiqués par ALLEN sont soit ceux du genre *Mops*, soit d'ordre plutôt spécifique. Le sous-genre *Allomops*, plus heureux que son voisin, *Lophomops*, subsiste, quoique la forme caractéristique du crâne n'apparaisse nettement que chez les vieux mâles.

Une description détaillée de *Mops (Allomops) osborni* nous a permis de conclure avec certitude que les *Mops* ramenés de Guinée où l'espèce est très abondante et forme même une véritable plaie dans les maisons européennes de Mansoa, Bafatá, Contubo-el, Pitche et certainement d'autres lieux encore, sont extrêmement proches de cette espèce. Nous ne notons guère, comme différence, que la petitesse du tragus qui ne mesure dans nos exemplaires que 3 X 3 mm, tandis qu'il en mesure 4 X 4 dans *osborni* typique, et la plus grande dimension de la queue, ordinairement 40 mm dans nos exemplaires contre 37 dans ceux du Congo. En outre, le pelage est un peu différemment réparti.

Description. Pelaqe d'une couleur gris-noirâtre sur le dos; il déborde légèrement sur la membrane qui, dans cette espèce, ne part pas des côtés du corps, mais prend son insertion sur la face dorsale, de sorte que par dessous, existent deux poches dépourvues de poils entre le corps et la membrane, côté dorsal. En vue dorsale,

p. 79

le pelage s'étend jusqu'à la base de la queue et sur les fémurs. Du côté ventral, la couleur est plus variable: les côtés du corps sont foncés, de même qu'une bande pectorale. Mais ces plages sombres ont des développements très inégaux d'un individu à l'autre, si bien que la face ventrale peut se montrer presqu'entièrenient blanche, ou entièrement foncée. La lèvre inférieure et le menton sont ordinairement noirâtres et tranchent parfois nettement sur la couleur de la gorge. Les membranes sont brunâtres par dessus, plus pâles par dessous: le propatagium, une plage s'étendant du radius et de l'humérus jusqu'au milieu du tibia et l'uropatagium sont blanchâtres. Une touffe de poils existe derrière le bandeau qui unit les deux oreilles; les pieds sont garnis de soies courbées, les lèvres de courts bâtonnets sensitifs, les deux glandes du menton d'un long poil chacune. Les membranes sont quasiment nues, surtout dessus; dessous l'uropatagium montre de fins poils blancs. Quelques longs poils naissent des fémurs, face dorsale, et se dirigent en arrière.

Le museau est très proéminent. dépassant de 7 mm la fente buccale; la lèvre supérieure est fortement plissée verticalement; les oreilles épaisses ont un antitragus séparé du pavillon par un sinus profond; l'antitragus lui-même est petit arrondi et mesure 3 X 3 mm.

Crâne. Il présente, très nettes, les caractéristiques du sous-genre: le développement postérieur de la crête lambdoïde. La dentition est celle de *osborni*, avec le caractère sexuel secondaire indiqué par ALLEN: la première prémolaire inférieure est aussi grande que la seconde chez les MM, plus petite chez les FF (ALLEN dit même: plus grande chez les MM, mais dans nos

exemplaires il y a très peu de différence). La première prémolaire supérieure est très petite et logée dans l'angle externe formé par la canine et la seconde prémolaire qui sont contiguës.

[table removed - eds.]

p. 80

Distribution géographique et mœurs. *Mops osborni* est connu par un mâle et une femelle, venant de Kinshasa, à 6 miles de Léopoldville (Congo belge). Nous ne savons s'il a été retrouvé depuis. Sa présence en Guinée portugaise, à l'extrême Occident du continent est très remarquable et laisse prévoir d'autres découvertes dans les espaces intermédiaires.

En Guinée portugaise, l'espèce pullule dans les établissements européens, à Mansoa (local des Postes), à Bafatá (Immeuble de la Compagnie française), à Contubo-el, dans toutes les maisons de commerce, à Pitche, dans la maison du poste. Elle y forme de vastes colonies dont l'épouvantable odeur musquée et douceâtre se perçoit à distance, surtout à la tombée de la nuit, et rend les habitations malpropres et même inhabitables. Elle préfère les habitations européennes aux indigènes, car la présence de combles au-dessus des plafonds lui assure la tranquillité.

Son vol est aisé et rapide: elle pousse, lorsqu'elle est dérangée, de petits cris aigus.

Mops osborni occidentalis f. fulva Monard, 1939

p. 80

Collection: N^{os} 228 à 237, 5 MM et 5 FF, Mansoa; 781 un M, Pitche.

En tous points semblables par la forme, la distribution du pelage. les dimensions, à *Mops occidentalis*, mais en différant par la couleur du poil. Le dos est brun vif, le ventre varie du brun plus clair au jaune ou à l'orange, avec le milieu du ventre plus clair. La bande pectorale est parfois indiquée. La lèvre inférieure est noirâtre; les membranes, les oreilles et le museau sont de la couleur des exemplaires gris.

Les dimensions du crâne N° 781 sont données plus haut

Mops trevori J.A. Allen, 1917

p. 469

Plate XLVIII, Fig. 2.

Type, No. 49250, F ad. in alcohol, Faradje, Sept. 29,1912; H. Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 1954.

Pelage short, soft and fine, with the grayish sheen in certain lights seen in many other molossid bats.

Upperparts cinnamon brown, with the usual naked transverse zone across front of shoulders; underparts pale brown, darker on the sides and lighter medially, with the hairs of the pectoral region conspicuously tipped with grayish white; caudal end of body not denuded, but with the projecting bristly hairs seen in allied forms. Membranes and wing bones above blackish and naked, except for a small patch of short brown fur near tho center of the propatiigium; below much lighter and the wing bones whitish; naked portion of face and ears, and the naked hind limbs and tail blackish, interfemoral membrane above blackish, below much paler, as is also the ventral surface of the hind limbs. A low crest (the hairs about 5.5 mm. in length) arises from the back of the membrane connecting the ears and extends back over the front half of the interaural area and the basal half of the backs of the ears. The crest area is of the same color as the surrounding pelage.

Total length, 121.5 mm.; head and body, 82.3; tail, 39.2 (free portion 24); forearm; 53; third metacarpal, 53.5; thumb to base of pad, 8.4; tibia, 20; foot, 13.6; ear from notch, 20; breadth (near front border), 12; tragus minute, quadrate, 2 X 15; antitragus convex, broad at base and low, 6.5 X 4.

Skull, total length, 24.2; condylobasal length, 22; zygomatic breadth, 14.6; interorbital breadth, 5; mastoid breadth, 13.8; maxillar breadth, 10.4; breadth at base of canines, 7; upper toothrow (c-m^3), 8,6; length of mandible, 15.8; angle to condyle; 5.2; depth at coronoid, 4.5; lower toothrow, 9.7.

Represented only by the type.

Mops trevori is of nearly the same size as *M. congicus*, but it is slightly smaller in all measurements, except that the ears are larger. The coloration is radically different, the upperparts in *congicus* being deep chestnut, and dull cinnamon brown in *trevori*, with still greater difference in the color of the underparts. It differs from *M. midas* in much smaller size, while the color of both upperparts and the ventral surface in the two species is as different as between *trevori* and *congicus*. In cranial characters *trevori* is too different from either *congicus* or *midas* to render comparison necessary.

Mormopterus setiger Peters, 1878

p. 196

(Taf. 1. Fig.2.)

Kopf sehr platt und breit. Schnauze oben flach; in der Mitte ein wenig vertieft, kahl, mit ganz kurzen Härchen bekleidet, welche die Haut nicht verdecken. Nasenlöcher queroval, um mehr als ihren doppelten Durchmesser von einander entfernt und ummittelbar unter dem scharfen Endrande der Schnauze stehend; zwischen ihnen eine wulstige gelappte Längsleiste. Die breite wulstige, aber nicht quergefaltete Oberlippe ist jederseits mit vier bis fünf Längsreihen kurzer stachelförmiger dicker Borsten bekleidet, zwischen denen sparsame feine kurze und längere Härchen hervortreten. Die Unterlippe zeigt noch kürzere und schwächere sparsame Borsten und Haare. Die wulstigen Augenlider der kleinen Augen sind ebenfalls mit sparsamen Härchen bekleidet, welche sich nach oben und vorn zu einem grösseren Haufen zusammendrängen. Die Ohren sind dreieckig abgerundet und stehen weit von einander ab; die Ohrklappe ist im ganzen viereckig, am verdickten Endrande sparsam behaart.

Die oberen Schneidezähne sind deutlich zweispitzig, mit äusserer kürzerer Spitze. Sonst zeigt das Gebiss keine auffallende Verschiedenheit von dem der anderen Arten: $^{3\,1}/_{3\,2}{}^{1}/_{1}{}^{1\,1}/_{6}{}^{1}/_{1}{}^{1\,3}/_{2\,3}$.

p. 197

Der Körper erscheint plump und etwas platt. Kurze rostbraune, an der Basis etwas hellere Haare bedecken die obere Körperseite, die Halsseiten und die Seite der Brust und des Bauches; auch setzen sie sich noch auf die Basis der Lendenflughaut fort. Die Mitte der Brust und des Bauches ist von rostgelben noch kürzeren Haaren bekleidet, welche in der Analgegend die Haut durchsehen lassen. An der Kehle befindet sich eine Querfalte, welche in eine sackförmige Grube führt.

Der Schwanz ragt zur Hälfte aus der Schenkelflughaut hervor. Die langen Spornen sind sehnig. Die Gliedmafsen erscheinen im Verhältniss zu dem plumpen Körper kurz und gedrungen. Die Oberseite des Vorderarms und eines Theils der Finger ist durch zugespitzte Hautwarzen ausgezeichnet. An der Basis der Daumensohle befindet sich eine grössere, an der Basis der Fusssohle eine kleinere rundliche Wulst. Der Daumen und die Zehen sind durch sparsame lange borstige Haare ausgezeichnet. Die Flughäute sind ziemlich derbe, dunkelbraun, die Lendenflughaut am Rande weiss.

Mafse eines weiblichen Exemplars in Weingeist:

Meter
Totallänge: 0.090
Kopflänge: 0.0215
Abstand der Ohren: 0.009
Ohrhöhe: 0.017
Vorderer Ohrrand: 0.013
Ohrbreite: 0.012
Länge der Ohrklappe: 0.004
Oberarm: 0.028
Vorderarm: 0.035
L.1.F. Mh. 1. Gl. 2.Gl.: 0.006
L.2.F. - 0.0315; - 0.001: 0.0325
L.3.F. - 0.034; - 0.014; 0.012; Kpl. 0.006
L.4.F. - 0.033; - 0.013; - 0.010; - 0.002
L.5.F. - 0.025; - 0.075; - 0.007; - 0.002
Schwanz: 0.028
Oberschenkel: 0.015
Unterschenkel: 0.011
Sporn: 0.017
Fuss: 0.008

p. 198

Aus Ndi (Taita).

Diese Art unterscheidet sich, abgesehen von ihrer viel plumperen Gestalt, den Lippenborsten, der warzigen Beschaffenheit der Oberseite der vorderen Extremität und der viereckigen Gestalt der Ohrklappe, sehr wesentlich von den anderen bisher bekannten Arten dieser Gattung durch die weit von einander abstehenden Ohren, welche bei jenen einander auf 2 bis 3 Millimeter genähert sind. In der Form der Ohren nähert sie sich mehr dem *M. jugularis* Ptrs., während *M. acetabulosus* Hermann (*D. natalensis* Smith) durch die zarte schlanke Gestalt und die sehr spitzen Ohren sehr verschieden erscheint.

Mormopterus Whitleyi Scharff, 1900

p. 569

Mormopterus Whitleyi

Three specimens of a bat, which I was unable to identify with hitherto published descriptions, were sent to me by Dr. J.C. Whitley from Benin City in West Africa. Before describing them I forwarded one of them to Mr. Oldfield Thomas, of the British Museum, who was good enough to confirm my opinion that it belonged to a new species. I have great pleasure therefore in naming the bat after its discoverer.

Dr. Whitley, and herewith give a description of its most salient external features.

Ears shorter than the head and approaching one another on the forehead to within 2 millim. Both the ears and their short tragus are rounded off above. The antitragus is well developed and separated posteriorly by a distinct notch. The extremity of the muzzle projects very much beyond the mandible, and the end of the nose is distinct from the upper lip. The nostrils open almost laterally. The upper lip is only very indistinctly folded and covered with thick bristles and fine hairs. On the lower lip the bristles are confined to the angle of the mouth, but the hairs extend all over it. The gular sac is small.

The dentition being $^{1}/_{3}$ $^{1}/_{1}$ $^{1}/_{2}$ $^{3}/_{3}$, *M. Whitleyi* diflfers from all other species of the genus in the possession of four lower incisors instead of the usual six.

The fur is dark brown above, the bases of the hairs being pale. The underside is of a light reddish-yellow colour. Nearly half the tail projects beyond the wing-membranes, which reach to the ends of the tibiæ.

The dimensions of the type, now in the British Museum (adult M in formalin), are: - Total length 81 millim.; head 22; body 30; tail 23; length of forearm 36, of lower leg 27.

The height of the ear is 15 millim., the width 10.

p. 570

Three other species of *Mormopterus* are known to science, viz., *M. albiventer, M. acetabulosus*, and *M. setiger*. The first of these is confined to Madagascar, the second has a •wide range from South-east Africa to Madagascar and Mauritius, while the last has been taken in German East Africa.

M. Whitleyi differs from *M. albiventer* in being somewhat smaller, in having a well-defined antitragus in the ear-conch, and from all the three in having only four lower incisors instead of six.

M. Whitleyi differs from *M. acetabulosus* and *M. setiger* in having the ears close together on the forehead, in the more regularly triangulate shape of the ears, and in the squareness of the tragus.

Finally, *M. Whitleyi* differs from *M. setiger* in being smaller and in having the tragus rounded off above.

Myonycteris leptodon K. Andersen, 1908

p. 450

Diagnosis. - m^2 about twice the bulk of p^1. Molariform teeth short and narrow. Forearm about 61-62 mm. Hab. Sierra Leone; Liberia.

Differential characters. - Skull similar to that of *M. wroughtoni*, but rostrum narrower in front (distance between inner bases of canines 3.3 mm., against 3.7-4 in *M. wroughtoni*

p. 451

and *torquata*), coronoid process higher and much slenderer. All molariform teeth conspicuously shorter and narrower than in the two other species of the genus: m^1, length 1.9 mm., against 2.2, breadth 1.3 mm., against 1.6-1.7; p_4, length 2.4 mm., against 2.7-3, breadth 1.7 mm., against 1.8; m^2 relatively of the same size as in *M. wroughtoni*, less reduced than in *M. torquata*. - Ears smaller than in the allied species, length from notch 14 mm., against 15-15.5 in *M. torquata* and 16.5-17.5 in *M. wroughtoni*; length of tibia and hind foot as in *M. wroughtoni*, but forearm, metacarpals, and phalanges somewhat shorter. Distribution and colour of fur as in the allied species.

Type. M ad. (skin and skull), Sierra Leone; presented by J. Hickman, Esq.; B.M. 91.2.13.1. - The species is represented in the Leyden Museum from Liberia.

Myonycteris relicta Bergmans, 1980

p. 173

Myonycteris relicta n. sp. (figs. 1-4)

Holotype: adult male, skin and skull, collected 30-VII-1978 by Mr. Robert N. Kyongo (field number RK 594), in the Shimba Hills, southeast Kenya (RMNH 27909). "Caught over water, about 1.20 m high, at about 10 p.m. local time, Mukanda River, Lukore area, Shimba Hills; along the river: big thorn trees and fig trees" (R. N. Kyongo in litt.).

Paratypes: adult male and adult female, in alcohol, skulls separate (and damaged to some extent), collected in January 1900 (collector unknown) at Ambangulu (5°5'S, 38°26' ?), Usambara Mountains, northeast Tanzania (ZMB 54936 and 54937, respectively

[Table removed]

p. 174

Diagnosis. - *Myonycteris relicta* is a large member of its genus (forearm lengths 69.3 - 75.1 mm and greatest skull lengths 36.4 - 39.2 mm in the three specimens known), with deflected facial axis, relatively slender rostrum, dental formula $^{2.1.3.2}/_{2.1.3.2}$, elongate teeth, and reduced M^2.

Description of holotype (notes concerning soft parts checked on paratypes). - Snout relatively long, with linear dorsal profile. Posterior part of head rather domed. Nose skin brown, nostrils pointed forward and outward, separated by a shallow but distinct groove. Chin pad narrow, notched at its proximal end in the median plane, with small and narrow offshoots along lower lips. Upper and lower lips quite thick, upper with a row of small pointed papillae on inner margin, extending backward from close behind the nose, lower with same from about halfway. Tongue with long and narrow field of toothed papillae on anterior part. Ears moderately long, anterior margin thickened, posterior margin convex with slight emargination just below tip; tip rather distinctly pointed; conchs darkish brown, with about ten transverse folds; antitragal lobe moderate, angular. Top and sides of head furred with soft woolly hair, very short and sparse near nose and somewhat longer and very dense backward from in between and under eyes, near Ecru-Drab, tipped with near Verona Brown on snout, forehead and cheeks, and with orange-brown on top of head. Same light short hair in zone along lower lip (centre of chin furred like ventral body side; see below). Sides of rostrum, a narrow zone around eyes, and lower lips furnished with additional, mostly dark brown, tactile hairs: many shorter ones, a few longer ones.

Dorsally, body densely furred with bicoloured hair (6-10 mm long), Light Cinnamon-Drab with Brüssels Brown to Tawny tips, the tips dominating the overall - light reddish brown - colour impression. Hair of same colours extending on arm, down to (and much shorter on) first half of forearm, on small areas of patagium in axillar region and below elbow, on hind legs almost down to ankles, and on adjoining parts of uropatagium, surpassing its caudal margin at either side of tail.

Ventrally, body covered with dense, short hair (length 3.5 - 5 mm), Fawn Colour with slightly darker bases; also on upper arm and proximal half of forearm, along upper legs to slightly below knee, and on proximal part of uropatagium. Holotype (and male paratype) with throat ruff of relatively coarse hair; foremost point of ruff on chin between mouth corners; ruff gradually widening to greatest width at throat level, with 'crowns' on shoulders, and ending on breast, about on level with antebrachial membrane insertion; ruff hairs with short thin bases and thick shafts, wavy and growing

p. 176

in clusters of about 12 in centre of ruff, but less coarse, less wavy and less obviously clustered towards ruff margins; ruff hairs in holotype from about Light Ochraceous Buff to Tawny Olive, with darkest hairs on chin. (Ruff colour in paratype ZMB 54936 very light, but possibly somewhat bleached.) Female paratype without ruff. Propatagium near furred part of arm, and endopatagium between furred part of arm and body, thinly covered with Fawn Coloured or in places weakly reddish brown hairs.

Wings rather large (see table 1 for proportions), darkish brown. Endopatagium attached near middle of first phalanx of second toe. Toes 'webbed' to middle of first phalanges. Calcar length about 7 mm. Caudal margin of stretched uropatagium almost linear between end of calcar and a point on the dorsal side of the tail at about 3 mm from its external base. Soft palatum not preserved in the studied specimens.

Skull (figs. 1 - 4) lightly built . Facial axis deflected. Alveolar line, if projected backward, passing slightly above upper edge of occipital condyle. Premaxillae slender, fused anteriorly (only clearly co-ossified in specimen ZMB 54937). Rostrum relatively long, with nearly linear dorsal profile. Lateral pair of frontal sinuses quite strongly inflated, medial pair somewhat less. Behind these, a third pair of externally slightly inflated interorbital sinuses, roundish in outline, in between postorbital foramina and not extending beyond postorbital constriction, well visible in holotype and male paratype, indistinct in female paratype. Postorbital processes well developed, slender. Postorbital foramina small, distinct. Braincase rather domed, inflated behind interorbital sinuses, somewhat constricted at level of posterior zygomatic arch insertions, elongated posteriorly. Temporal ridges distinct but weak, not fusing into a sagittal crest. Supraoccipital crest low. Zygomatic arches slender, curving down about as low as the alveolar line when viewed from the side . Orbit large. Tympanic bullae of moderate size (greatest length in specimen ZMB 54936 4.6 mm). Bony palate concave, with greatest depth at level of M^1; postdental margins rather straight and weakly converging backward.

Mandible delicate, with narrow rami and low coronoid processes; angle between alveolar line and anterior margin of coronoid process about 145°.

Upper incisors minute, with tips curved backward, crowded (distance I^1-I^1 slightly smaller than I^1-I^2); I2 at about 1 mm from canine. Upper canine short (reconstructed height from cingulum in specimen RMNH 27909 3.5 mm), with only weakly recurved tips; basal outline rectangularly ovate; antero-internal face flat or slightly concave, without longitudinal groove; anterior keel distinct, not sharp; labial face quite evenly rounded; posterior face sharply defined, narrow, concave; lingual face concave except in the middle,

p. 178

its orientation inward and backward, with trace of horizontal shelf at its base. Anterior upper premolar (P^1) small, about 2 to 3 times the bulk of an upper incisor, wider than long, with rounded anterior and flattish posterior face and an obtuse cusp. Second upper premolar (P^3) oblong, basal outline more or less triangular, with a pointed (outer) cusp just before the middle; lateral (outer) profile sub-triangular; with very weakly rounded labial face, obtuse anterior keel, rather flat antero-internal face and well-defined, slightly concave lingual (postero-internal) face; greatest width at level of keel separating antero-internal and postero-internal face; orientation of latter face either parallel with, or converging backward toward, labial face (thence the variable tooth outline). Third upper molar (P^4) oblong, subrectangular, with a pointed (outer) cusp before the middle; rather obtuse anterior (outer) and posterior outer ridges from cusp tip to cingulum; a weak commissure from tip to lingual side; antero-internal and postero-internal faces concave. First upper molar (M^1) essentially as P^4, but smaller and lower, with less rounded anterior side and strongly

reduced cusp. Second upper molar (M^2) small, ovate to triangularly ovate in outline, greatest width in front, even less differentiated than M^1, at some distance from posterior margin of anterior zygomatic arch insertion.

Lower incisors small, outer ones (I_2) slightly larger than inner ones (I_1); tips bicuspid, inner cusp the larger in both I_1 and I_2; distances I_1-I_1 and I_1-I_2 minimal, distance from I_2 to lower canine same or slightly larger. Lower canine short (height from cingulum in holotype specimen 1.8 mm); basal outline broadly ovate, with rather straight posterior side; tip hardly recurved, pointing outward; no distinct keels; antero-internal and labial faces rounded, lingual (postero-internal) face straight or concave, with a narrow shelf at its base. First lower premolar (P_1) relatively large; outline squarish or more rounded; cusp rather obtuse, separating rounded vertical antero-external face from sloping postero-internal face; latter ending almost horizontally. Second lower premolar (P_3) somewhat shorter than lower canine, with pointed cusp well in front of the middle; basal outline ovate (with truncated posterior side in holotype); labial face rather straight or weakly rounded; no anterior keel; antero-internal face rounded; posterior face somewhat concave, sloping, ending almost horizontally; postero-external longitudinal ridge distinct, obtuse. Third lower premolar (P_4) largest of all teeth; basal outline oblong, with about parallel labial and lingual sides and rounded anterior and posterior sides; the single cusp well in front of the middle, with ill-defined anterior keel and blunt postero-external ridge running from it; both labial and lingual faces weakly rounded and gradually passing into essentially round and sloping anterior face; postero-internal face an even,

p. 179

weakly concave slope without a clear horizontal posterior basal part. First lower molar ($?_1$) long, narrow, low; labial and lingual faces parallel; anterior and posterior faces somewhat truncated; outer longitudinal ridge higher than inner one (and with traces of antero-median cusp and commissure from cusp to lingual ridge in holotype); upper surface concave. Second lower molar (M_2) rectangularly ovate in outline, reduced, low, undifferentiated; surface flat or weakly concave.

Salient aspects of upper tooth rows when viewed from below (fig. 3) are the relatively heavy third premolars (P^4) and the more or less coulisse-like arrangement of second and third premolars and first molar, with longitudinal axes pointing forward - in the line of the row - but also somewhat inward; and of lower tooth rows when viewed from above (fig. 4) the large third premolars (P_4) and the absence of M_3.

Measurements: table 1. The only known weight is that of the adult male holotype: 48 g.

Myonycteris wroughtoni K. Andersen, 1908

p. 450

Diagnosis. - *m^2* about twice the bulk of *p^1*. Skull and teeth heavy. Forearm about 65-67 mm. Hab. Welle District, N.E. Congo.

Differential characters. - Skull larger and more heavily built than in *M. torquata**: total length 34 mm., against 31-31.8; rostrum longer and broader: from front of orbit to tip of nasals 10.5-10.7, against 9-9.2, lachrymal width (across lower edges of lachrymal foramina) 9.8-10 mm., against 8.8; length of combined orbital cavity and temporal fossa, measured on underside of skull from front of glenoid fossa to back of maxillary process of zygomatic arch, 10.7-11 mm., against 9-9.8 ; frontal region broader: interorbital breadth 6 mm., against 5-5.2. Cheek-teeth on the whole slightly broader; *m^2* less reduced in size, being about twice the bulk of *p^1* (in *M. torguata* subequal to *p^1*), actual length of tooth in two specimens 0.9 mm., against 0.5-0.7 in two *M. torquata*, breadth 0.6-0.7, against 0.4-0.5. - Wings, tibia, and foot conspicuously longer; forearm 65-67 mm. (57-60.5 in *M. torquata*), third metacarpal 44.5-45 (36-39), lower leg 25-25.5 (22), foot with claws 17-19 (14). Distribution and colour of fur as in the allied species.

Type. M ad. (skin and skull), River Likandi, Welle District, 18th April, 1906; Alexander-Gosling Expedition; B.M. 7.7.8.25. Two specimens examined.

Named in honour of Mr. R. C. Wroughton, who assisted in working out the mammals collected during the Alesander-Gosling Expedition.

Myopterus E. Geoffroy Saint-Hilaire, 1818

p. 113

MYOPTÈRE. *Myopterus*.

Dents incisives $^2_2$; canines $^1_1$; molaires $^4_5$-$^4_5$

Nez simple; chanfrein méplat.
Oreilles larges, isolées et latérales ; oreillon intérieur.
Membrane interfémorale moyenne.
Queue longue, à demi enveloppée, et libre au-delà.

OBS. On n'en connoît que la seule espèce publiée par Daubenton, sous le nom de rat-volant.

Myopterus albatus Thomas, 1915

p. 469

A large whitish and white-winged species with the upper body-colour arranged in a lineated pattern.

Size large, the forearm about half as long again as in *M. whitleyi*, and rather larger than that of *M. daubentoni* would be if in the same relative proportion to the skull (that is to say, about twice the length) as in *M. whitleyi*. Fur soft and fine, hairs of shoulders about $4^1/_2$ mm, in length, of lower back $3^1/_2$. Fur not extending at all on the membranes, and stopping on the lower back a little way short of the tail, just as in *M. whitleyi*. General ground-colour above drabby brown ("dusky drab"), the hairs white at their bases, brown terminally; but on the median area of the nape, from occiput to withers, and along two broad lines running down the back on each side from the withers, the white extends nearly to the tips of the hairs, so as to show through above, and to form broad whitish lines, the brown along the side of the body and that in the middle line from the withers backwards, therefore, appearing as three broad brown longitudinal lines separated by whitish. Fur of whole of under surface pure creamy white, sharply contrasted on the sides of the neck with the brown of the upper surface. Wing-membranes white throughout, except that by the side of the body which is spotted with brown granules, just as in *M. whitleyi*; interfemoral membrane brown. Upper surface of forearms, digits, legs, and feet also brown.

Ears apparently similar in structure to those of *M. whitleyi*, separated in the middle line, their inner keels low and little developed. Tragus short and broad. Nasal septum without a mesial ridge, clothed with fine whitish hairs. Edges of lips with a close mixture of spoon-shaped and normal bristle-hairs. Lips practically without wrinkles. Wings to the distal end of the tibiæ.

Dimensions (measured on the skin): -

Forearm 55 mm.

Head and body (probably stretched) 84; tail 40; ear (dry) 19; third finger, metacarpal 54.5, first phalanx: 19.5, second phalanx 19.5; fifth finger, metacarpal 35, first phalanx: 15; hind foot (c. u.) 13.

Hab. R. Welle. Collected by M. Hutereau.

p. 470

Original number 17. Congo Museum, no. 2911.

The coloration of this beautiful bat is quite unique, but of course it assimilates, in the brown upper and white lower surface, with that of *M. daubentoni* and *whitleyi*.]

Myotis blythii punicus Felten, 1977

p. 39

Holotypus: SMF 44104, M ad.; Höhle El Haouaria, Cap Bon, Tunesien; NAGEL, SCHUBERTH & VESMANIS leg. 25.III.1971. S + A.

Paratypen: SMF 18946-52, 18955-64, 22214, 22217-20, 43386-92, 43961-68, 44097-103, 44618; 6 M, 39 F vom gleichen Fundort.

Weiteres Material: Die auf S. 31 angeführten Exemplare von anderen tunesischen Fundorten, aus Algerien und Marokko.

Diagnose: In den Schädelmaßen (Mittelwerte; s. Tab. 14) meist größer als *omari* und *oxygnathus*. Mittelwerte von Länge, Breite und Kronenfläche (= Länge X Breite) des M^2 deutlich größer als bei *omari* und *oxygnathus*. Jedoch Breite C^1-C^1 (Alv) im Mittel so groß wie bei *oxygnathus* und deutlich kleiner als bei *omari*.

Myotis Bocagei cupreolus Thomas, 1904

p. 407

Essential characters as in true *M. Bocagei*, but the colour much darker, owing to only the terminal millimetre instead of 2 - 3 mm. of the dorsal hairs being reddish; the reddish is also of a more coppery tone. A blackish patch at the base of each humerus. Under surface dark smoky brown, the hairs being dark smoky with brownish tips; inguinal region not or scarcely lighter. In true *Bocagei* the under surface is pale buffy brown.

Dimensions of the type: -

Forearm 39 mm.

"Head and body 60"; "tail 40" ; "ear 15."

Skull: greatest length 15.

Hab. Efulen, Bulu Country, Cameroons.

Type. Male. B.M. no. 3.2.4.6. Collected 14th August, 1901, by Mr. G. L. Bates.

Myotis Hildegardeæ Thomas, 1904

p. 209

A beautiful and brightly coloured species allied to *M. Bocagei*.

Size medium. Ears small, narrow; inner margin evenly convex, tip very narrowly rounded, outer margin concave above, convex below, a marked angular antitragal lobule at the outer base thickly covered with fur. Tragus rather short, its inner margin slightly but evenly convex, its greatest breadth opposite the lower third of its inner margin, whence it slopes evenly to the narrow but not sharply pointed tip; basal lobe large, rounded. Feet large; wings to the metatarsi; calcars long, reaching nearly three-fourths towards the tip of the tail and ending in a distinct lobule.

Fur soft, thick and fine; hairs of back about 5 - 6 mm. in length. Wing-membranes naked, except for a few hairs on the under surface between the humeri and the flanks. Interfemoral furry above at the base, a narrow band passing outwards behind the legs nearly halfway down the tibise. Top of toes hairy.

General colour of upper surface bright "tawny-ochraceous," the head rather paler than the back. Individually the hairs are blackish brown for about 2 mm. at their bases, then pale tawny, darkening to their tips. Below the general colour is "pinkish-buff," the hairs blackish at their bases. Membranes dark throughout, contrasting strikingly with the bright colour of the body.

Skull considerably larger than in *M. Bocagei*, broader and lower than in *M. Goudoti*. Small upper premolars in the tooth-row, subequal in horizontal section, and less unequal in height than usual.

Dimensions of the type (measured in skin): -

Forearm 37 mm.

Head and body (c.) 53; tail 37; ear (dry) 13; tragus on inner edge (dry) 4.6; thumb clear of membrane 5; third finger, metacarpus 35, 1st phalanx 15.5, 2nd phalanx 10.7; fifth finger 53; tibia 17; foot from back of calcar (c. u.) 9.8; calcar 17.

Skull: greatest length 15.2; basal length 11.3; breadth of brain-case 8; front of canine to back of m^3 5.7.

Hab. Fort Hall, Kenya District. Alt. 4000 feet.

Type. Male. B.M. no. 3.3.2.2. Original number 115. Collected 17th Oct., 1902, by Mrs. Hinde. Two specimens.

This very beautiful bat I have much pleasure in naming in honour of its discoverer Mrs. Hildegarde Hinde, to whom

p. 210

the British Museum is indebted for so many interesting Chiroptera and Rodentia.

M. Hildegardeæ is readily distinguishable from any of its allies by its striking coloration, as it is far brighter in tone than either *M. Bocagei* or *M. Goudoti*, the species most similar to it.

Myotis morrisi Hill, 1971

p. 43

(Plates i, 2 (a, b))

SPECIMEN. HOLOTYPE. B.M. 70.488. Adult female. A flat, card-mounted skin with skull; collector's number A107. "Forward Base Three", mouth of Didessa River, Blue Nile Gorge. 10° 05' N, 35° 38' E, alt. c. 1,000 m. 28 August 1968.

OTHER MATERIAL: none.

TAXONOMIC NOTES. DIAGNOSIS. Similar to *Myotis tricolor* (Temminck, 1832) of eastern Africa but differing from this species in its generally more orange dorsal coloration; unicolored and not bicolored ventral pelage; elongate, narrower skull with uninflated braincase and supraorbital region, the braincase shorter, more globular and markedly narrower than in *M. tricolor*, the rostrum proportionately longer and less broadened than in that species. Dentition less massive than in *M. tricolor*; second upper premolar (pm^3) relatively larger and incompletely intruded from the toothrow; second lower premolar (pm_3) relatively larger, not compressed between pm_2 and pm_4; posterior upper premolar (pm^4) with narrower lingual shelf, separated from the lingual shelf of m^1 by a wider interspace.

DESCRIPTION. Of moderate size (length of forearm 45.4) for the genus; anterior margin of ear smoothly convex, posterior margin concavely emarginated in its distal half, the proximal half convex. Tragus long, its length equal to one half of the length of the ear, tapered, with slender, rounded tip directed slightly posteriorly; anterior margin faintly convex, especially distally, posterior margin concave distally, convex proximally, slightly serrated, a small rounded lobe at base beneath an acute, angular emargination just below widest point of tragus. Wing inserted at base of first toe; calcar strongly developed, extending along

almost one half of the posterior margin of the tail membrane; no obvious post-calcareal lobe. Pelage woolly, dorsally overall orange brown, individual hairs tricolored, the basal quarter blackish brown, most of remainder creamy white, hairs tipped terminally with bright orange brown. Dorsal pelage extending narrowly on to the wing membrane and on to the tail membrane for nearly one half of its width. Ventral pelage unicolorous dull creamy white, tinged faintly with brown on chin and flanks. Wing membrane generally black but antebrachium and endopatagium pale orange yellow, a narrow band of the same colour extending across the membrane immediately behind the forearm; anterior edge of membrane and area between first and second metacarpals and tail membrane similarly coloured. Tibia flanked by a narrow band of orange hairs on wing membrane and a wider band of similar hairs on tail membrane. Toes with a sparse covering of long orange hairs.

p. 44

Skull (Plates 1, 2(a)) elongate, the braincase not especially inflated; rostrum narrow, the supraorbital region not expanded, the supraorbital ridge forming an uninterrupted curve; a shallow, narrow median rostral depression. Narial emargination narrow, V-shaped posteriorly, its apex rounded. Palate long, narrow, anterior palatal emargination rounded posteriorly, extending almost to a line joining the centres of the canines; narrow post-palatal extension; shallow basioccipital pits. Inner upper incisor (i^2) longer than wide, bicuspid, with strong angular anterior cusp; smaller posterior cusp extending for two thirds of the height of the anterior cusp. Outer upper incisor (i3) wider than long, bicuspid, closely appressed to inner tooth, cusps lying transversely to line of toothrow. Outer cusp the larger, rising from a narrow cingulum shelf to a height equal to that of the posterior cusp of inner tooth; supported internally by a smaller secondary cusp for two thirds of its height, the tooth somewhat hollowed internally, separated from the canine by a short diastema. Anterior upper premolar (pm^2) about as high as i^3, a little larger at base, in contact with canine, a slender pointed cusp with wide, strong cingulum. Second upper premolar (pm^3) rising slightly above cingulum of pm^2, slightly less than one half its basal area, visible externally, a simple cusp rising from a narrow cingulum, slightly intruded from row but separating pm^2 and the posterior upper premolar (pm^4), in contact with these teeth. Posterior upper premolar (pm^4) with strong cusp and short, narrow lingual shelf with a wide interspace, separating it from the lingual shelf of the first upper molar (m^1). Lower incisors imbricated, first (i_1) and second (i_2) with four cusps, outer cusp of i_1 incipient, of i_2 well developed but lower than inner cusps. Lower premolars not especially compressed: second (pm_3) rather more than one half the height of anterior tooth (pm_2) and approximately one half its basal area, in contact with pm_2 and posterior lower premolar (pm_4), but not compressed or displaced, its length and width equal. The measurements of the new species are compared with those of *M. tricolor* in Table 4.

REMARKS. In some respects *M. morrisi* resembles *M. bocagei* but is larger, has unicolored and not bicolored ventral pelage, a relatively longer rostrum lacking supraorbital inflation, narrower narial and anterior palatal emarginations and relatively narrower palate. Dentally the two species are closely similar but the teeth of *M. morrisi* are more generally massive than are those of *M. bocagei* and *M. morrisi* lacks a protoconule on the anterior ridge of the first and the second upper molars (described in *M. bocagei* by Harrison (1964b: 135).)

Tate (1941 : 539) reviewed the subgenera of *Myotis* and (p. 552) referred *tricolor* to the subgenus *Selysius*. However, both *tricolor* and *morrisi* approach the subgenus *Chrysopteron* in dichromatic wing pattern, although this is less evident in *tricolor*, and in the presence of four lobes on the inner (i_1) and second (i_2) lower incisors, but retain a relatively high braincase and concave frontal profile. I have much pleasure in associating with this new species the name of my co-author, Dr. Pat Morris, of Royal Holloway College, University of London, in recognition of his many services to the study of the Ethiopian fauna while with the Great Abbai Expedition.

p. 45

[table removed - eds.]

p. 46

COLLECTION AND FIELD NOTES. The specimen was caught by Messrs. Yalden, Largen and King of the Great Abbai Expedition, using a hand-held mist net. The bat was flying after dark over the river Nile, near its north bank, at a height of about one metre. The surrounding habitat comprises mainly maize plots and thick bush. The specimen was photographed whilst still alive (Plate 2 (b)).

N[ycteris] albiventer Wagner, 1840

p. 439

Die weißbäuchige Hohlnase.

N. supra dilute brunea, pilis basi alibidis; subtus pulchre alba, pilis basi brevissime griseis.

Aus dem frankfurter Museum hat schon for längerer Zeit das unferige vier Exemplare einer Hohlnase erhalte, die, den äußern Formverhältnissen nach, mit den Beschreibugen von *N. thebaica* übereinkommen, fo daß man sie unbedenklich dieser Art zuzählen könnte, wenn nicht in der Färbung ein Unterschiedsich ergäbe. Die Oberseite ist nämlich zwar ebenfalls lichtbraun, wie bei jener Art, aber die Unterseite ist nich aschgrau, sondern rein weiß, wobei die hellbraune Farbe der Oberseite nur die Spitzen einnimmt, während die viel längere Wurzelhälfte graulichweiß ist, was am Hinterhalfe am hellsten ausfällt. Aufder Unterseite ist blos der kurze Wurzeltheil etwas graulich, so daß die graue Farbe auf der Oberfläche gar nicht sichtlich wird; an dem einen Exemplar sind aber die Haare des Unterleibs, fast ihrer ganzen Länge nach, durchaus weiß. Der Anfang des Oberarms und der Flügelansaß am Leibe ist oben braun, unten weiß behaart. Backenzähne sind jederseits $^4/_4$ vorhanden. Ob ich diese weißbäuchige Hohlnase mit Fug und Recht von der graubäuchigen *N. thebaica* als selfständige Art trennen darf, muß ich der Beurtheilung Deren überlassen, welche Gelegenheit haben, die Geoffroy'sche Art zu vergleichen.

N. thebaica; N. albiventer; N. discolor; N. hispida
Länge des Körpers in gerader Linie: 1" 10‴; 1" 10‴; 2" 2‴; 1" 5‴
----- des Schwanzes: 1 11; 1 9; 1 8; 1 10; 1 2

p. 440

----- des Kopfes: 0 10; 0 9; 0 9; 0 10; 0 5
Breite der Nasendeckel: 0 $1^1/_4$; 0 $^3/_4$
Länge der Ohren: 0 11; 1 $^1/_2$; 1 0; 1 $1^1/_2$; 0 9
Flugweite: 9 0; 8 9; 9 0; 10 0; 7 4

Nach unserem Kataloge ist die Heimat Nubien, wo Rüppell diese Hohlnase auffand.

N[ycteris] discolor Wagner, 1840

p. 440

Die zweifarbige Hohlnase.

N. fusca, subtus sordide albida, pilis omnibus basi nigro-schistaceis, auriculus amplissimis.

? *Nycteris capensis*. SMITH zool. journ. IV. p. 434 - SMUTS mamm. cap. p. 7.

Von Ecklon ist uns ein ausgestopftes Exemplar zugekommen, daß vielleicht zu *N. capensis* gehören könnte; indeß ist die Ohrlänge des unserigen beträchtlicher, auch Smith's Angabe der Färbung so ungenau, namentlich von der Zweifarbigkeit der Haare sogar keine Rede, daß ich es nicht wagen mag, selbiges mit *N. capensis* zu identifiziren. Die Formenverhältnisse sind die der vorigen Art; auch die Furche an der Spitze des Unterkiefers scheint nicht zu fehlen; die breite abgerundete Klappe ist and ihrem obern Ende mit Haaren gewimpert. Der leßte Schwanzwirbel vor der

footnotes:

20) Smith's Diagnose lautet: N. cervice et dorso nigro-fuscis, colli lateribus sordide albis, pertibus inferioribus subcinereis, membranis rubro-fuscis; apice tragi semicirculari cum crista villi albescentis. Die Eindigung des Schwanzes ist nur schwach gabelig, der leßte Wirbel kurz. Die Höhe der Ohren außen vom Pelze bis zur Spiße giebt er aus $^7/_8$", die Breite über $^6/_8$ an, die Länge über 2"; als Heimat das Innere von Südafrika und die Ostküste.

21) Smith stellt noch eine Art als *N. affinis* auf: "N. cervice et dorso rubro-fulvis, colli lateribus rubro-albis, .. terge aurium subrufa; partibus inferioribus fulvo-albis; membranis nigro-fuscis; dentibus primoribus maxillae in paria dispositis." Die beiden Paare der obern Schneidezähne sind durch einen deutlichen Zwischenraum getrennt; die Endigung des Schwanzes ist stark gegabelt, der leßte Wirbel einer der längsten. Die Länge des Körpers ist 2", die Ohren ziemlich länger und breiter als bei *N. capensis*. - Smuts hält dies *N. affinis* mit Unrecht für identisch mit *N. thebaica*; viel eher könnte mit leßterer *N. capensis* zusammen gestellt werden. Färbung, wie die Stellung der obern Schneidezähne deuten auf eine eigne Art hin; vielleicht möchte sie aber auch mit *N. hispida* zusammen gehören.

p. 441

Spalte ist einer der kleinsten. Die Farbe der Oberseite ist im Allgemeinen ein etwas rußiges Relkenbraun, derUnterseite schmußig weiß, wobei alle Haare, welche sehr lang sind, in ihrer ganzen Wurzelhälfte schieferschwarz sind. Die Ohrwurzel ist hinten und an den Seiten mit weißen Haaren beseßt. Die Wangen sind bräunlich; ein großer brauner Fleck finded sich unten an der Einlenkung der Flügel, während weiterhin die Behaarung an dem Anfang de Oberarms und an dem Flügelansaß am Leibe weißlich, oben braun ist. Die Flughäute und Ohren sind dunkelbraun. Die Heimath dieser Art ist die Südspiße von Afrika.

N[ycticejus] adovanus Heuglin, 1877

p. 34

Die Originaltype von *N. Adovanus* des Stuttgarter Museums gehört nach Professor Peters zu *N. Schlieffenii*, der, wie es scheint, in Kordofan heimlich ist.

p. 35

Ich gebe hier die nach dem Thiere im Fleisch von mir entworfene Beschreibung wörtlich aus meinem Notizbuch;

Im Oberkiefer $^2/_2$ echkzahnartige Schneidezähne, unten $^3/_3$, deren jeder oben dreispitzig; der obere, dem Eckzahn zunächststehende, sehr Klein, wohl abortiv. Ohren start von halber Kopflänge, ihre Außenseite ziemlich gradlinig; Tragus schmal, gegen die Augen zu nach vorwärts geneich; Nasenlöcher etwas rührig, auswärts und vorwärts gerichtet; Wangen vor den Augen wulstig aufgetrieben; Schwanz bis zum sehr rudimentären Spitzglied von der Schenkelhaut eingeschlossen; der lange Sporn trägt einen äußeren Hautlappen; die Schenkelflughaut reicht bis zum Fersengelenk, die Bauchflughaut dagegen noch weiter am Fuß herab; Obersiete der Füße, Ohren und Flughäute schwärzlich, die letztere mit deutlichem, aber feinem, weißem Saum; Gesicht und Oberseite bräunlich mausfarben; Unterseite graulichweiß; *Patagium interfemorale* mit regelmäßigen

Querreihen von weißen Haaren auf der Unterseite; ist aber auch äußerlich spärlich behaart; Nägel weißlich. Körperlänge bis zum After 1" 7‴. Schwanz von After bis zum Spitze 1" $2^1/_2$‴. Vorderarm 1" 1‴.

Das beschriebene, den Zahnverhältnissen nach jüngere Thier wurde von uns im November am Asam-Fluß bei Adowa in Tigrié erbeutet.

Nannugo Kolenatii Müller, 1858

p. 75

Die weissgesäumte Buschfledermaus.

Vesperugo Kolenatii, Zelebor in litt. 6. Oct. 1856.

Eine der allerkleinsten Nordafrikanischen Fledermäuse. Die Schnauze sehr stumpf und abggrundet; die Nasenlöcher hersförmig, vorn etwas seitlich gestellt, der innere Herzflügel etwas weiter und in den Nasenrücken wulstig

[pages 76 and 77 missing - eds.]

p. 78

Länge der 1. Phalange am Mittelfinger: 0,0105
" der 2. Phalange am Mittelfinger: 0,0086
" der 3. Phalange am Mittelfinger: 0,0063
" des Metacarpus am 4. Finger: 0,0278
" der 1. Phalange am 4. Finger: 0,0099
" der 2. Phalange am 4. Finger: 0,0056
" der 3. Phalange am 4. Finger: 0,0008
" des Metacarpus am 5. Finger: 0,0281
" der 1. Phalange am 5. Finger: 0,0072
" der 2. Phalunge am 5. Finger: 0,0038
" dar 3. Phalange am 5. Finger: 0,0012
" des Schenkels: 0,0111
" des Schienbeins: 0,0120
" des Fusses: 0,0056

Vorkommen: In Nord-Afrika, besonders Aegypten, in Gesteins- Mauer- und Baumritzen (Zelebor). Originalexemplare: in der Sammlung des k. Hofnaturalienkabinets zu Wien, des Hrn. Zelebor, des Prof. Dr. Kolenati in Brünn, Parasiten u. z. 1. Körperhautschmarotzer: Ichoronyssus foveolatus Kolen. Die grubentragende Schmutzmilbe. 2. Ohrmuschelschmerotzer: Otonyssus orthotrichus Kolen. Die geradborstige Ohrmilbe. 3. Flughautschmarotzer: Monostaspis hexastigma Kolon. Die sechsgrubige Einschildborstenmilbe.

Anhang. Mit V. macuanus Peters (Säugeth. Mossamb. 61. Taf. 16. Fig, 1.) hat unsere Art keine Aehnlichkeit, da bei macuanus der Tragus oben erweitert und die Flugweite = 0.36 ist; eben so wenig mit V. Rüppeli Fischer (Synops. 108), bei dem die Ohren rund sind, und die Flugweite = 0.193 beträgt. Bei V. nanus Peters(63. Taf, 16. Fig. 2.) ist der Aussenrand des Ohres gebuchtet, und beide oberen Schneidezähne gleich lang, Flugweite 0.22. Sundevall's V. subtilis hat zwar oblonge ganzrandige Ohren, aber einen kurzen halb ovalen Tragus. Smiths Mammal. Cap. 107 V. platicephalus hat eine an der Rückenseite bis zur Hälfte behaarte Schwanzflughaut, und eine Flugweite von 0.23. Temmink's (Monogr. Mamual. II. 309) und Smiths (Illustrat. S. Afrik. Tab. 51.) V. minutus hat den innern obern Schneidezahn zweispitzig, sonst wäre er in der Grösse und Ohrbildung unserem ziemlich ähnlich, doch ist das Patagium bei ihm nicht weiss gesäumt. Smith's V. hesperida, 211 hat auch mit unserem hinsichtlich der Grösse viel Aehnlichkeit, aber eine schwarze Schnauze. Vesperugo Kuhlii Natterer hat 6 untere Schneidezähne und 8 Gaumenfalten, Vesperugo ursula Wagner dagegen einen winkelig vorspringenden Spornlappen und Haftlappen an den Fusskrallen, Vesperugo marginatus Cretschmar in Rüppel's Atlas 74 Tf. 29 Fig. a. hat zwar den weisscn Saum an der Flughaut, aber eine Flugweite von 0.22, und wird von dem

p. 79

kritischen Chiropterologen Prof. Blasius selbst als Synonym zu V. Kuhlii Natterer gezogen, daher hier ein Verkennen nicht wohl denkbar ist. Er wäre einzureihnn zu Vesperugo albolimbatus Cretschmar, V. subtilis Sundevall und V. hesperida Smith

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Neoromicia Roberts, 1926

p. 245

Neoromicia gen. nov., type *Eptesicus zuluensis* Rbts.

Since describing *E. zuluensis* in these *Annals* (x, p. 60, 1924), I find that the species ill fits the genus *Eptesicus*, and there being no other to which it can be referred, I have no option but to place it in a new genus as above. It differs from Eptesicus in having the cranium slightly raised above the leve1 of the muzzle, as in *Pipistrellus*, from which it differs in having no small upper premolar. In examining the generic arrangement of these little bats, I find it advisable to recognize other genera. Thus, while *Glischropus*, to which I tentatively refer *P. nanus* (Peters), has much in common with the typical *Pipistrellus*, it has a lighter skull,

and might therefore be removed if necessary, though it would seem to represent the genus in S. Africa. *Romicia* Gray, type *R. kuhli* (Kuhl), has the heavy skull of *Pipistrellus*, but the upper incisors as in neither, the outer one very small, much less than half the height of the inner, instead of being nearly as high. *Neoromicia* comes nearest to *Romicia*, but lacks the small upper premolar. *Pipistrellus rusticus* (Tomes), which is commonly associated with the above-mentioned genera, has really nothing to do with them and in the shape of the skull shows affinity to *Eptesicus*, from which it differs in its smaller size and presence of the small upper premolar. I therefore place it in a new genus *EPTESICOPS*, type *V. rusticus* Tomes. With this last genus I tentatively associate *Vespertilio subtilis* Sundeval.

Neoromicia vansoni Roberts, 1932

p. 15

A small form similar to *N. zuluensis* and its allied forms in colour and general characters, not so small as *pusillus* Noack, but smaller than *zuluensis* Roberts. Colour above tawny olive for the terminal part of the hair, dark slate basally, the hairs rather long and soft, about 7 mm, in

p. 16

length on the middle of the back; these hairs extend slightly on to the membrane at the sides and interfemorally; face and throat like the back, but remaining under parts white, these hairs dark slate for the basal two-thirds. Skull rather lighter than in *capensis*.

Type: T. M. 6553, adult F, Zweizwe Waterhole north of Tsotsoroga Pan, Northern Bechuanaland, 7th July, 1930, No. 882, Vernay-Lang Kalahari Expedition. Length of head and body 38, tail 36, hind foot (c.u.) 5.6, ear 10. Skull: canines to occiput 12.2, zygomatic width 7.3, width of brain case 6.1, of palate across outside of m^2 4.5, length of upper tooth row (c-m^3) 4, of mandible 8.2 mm.

Noctula Bonaparte, 1837

Noctula ??

La presente specie, che a prima giunta crederesti il giovane del *Pipistrellus serotinus*, appartiene certamente al suo medesimo gruppetto di *Noctula* per l'encefalo molto depresso, per la gran disuguaglianza degl'incisivi, e per la forma del trago. Si distingue specificamente però dal detto *P. serotinus*, non solo per la piccola statura. ma per la tinta altresì del vello, i cui peli son bicolori, e per l'acutezza delle orecchie; carattere questo che unito a quelli del cranio serve a non farla confondere col *Pipistrellus vispistrellus*, col quale ha più simile il colore. Le vien da noi dato il nome di *Alcythoe*, la più solenne delle tre suore, nella cui denominazione conviene anche Ovidio, che nelle altre da Eliano discorda.

Nyctalus verrucosus Bowdich, 1825

p. 36

… and, that the bat is more than specifically distinct from all those which have, as yet, been described, for it has four pointed incisors above (two by the side of each canine, with a large interval between), and six small incisors below, with three indentations in each. It forms a new sub-genus between *pharopus* and *cephalotes*, and may be named, *nyctalus verrucosus* [h].

Footnote:

[h] Νυκταλος, noctem amans. *Suid : de Diogen. Cyn*. The lower canines have a heel. The muzzle and *oreillettes* are simple; the ears are equal to the depth of the head in length, and present clusters of orange warts on the outer part, and a few within. It has a nail, and extra joint to the forefinger; three joints to the middle finger, two to the others. The interfemoral membrane (not notched, but triangular) reaches to within one line of the end of the tail, which is within it: - width, from the tip of one wing to the other, 11 $^3/_4$ in., from the muzzle to the tip of the tail 4 $^1/_4$ in., colour, dusky brown.

Nycterikaupius Menu, 1987

p. 108

(Second Ensemble dentaire)

(Pl. 4, fig. 1)

Origine du nom: du grec *Nycteris* (chauve-souris) et de J. Kaup, mammalogiste allemand. Il est établi en hommage à ce dernier pour ses travaux sur les Vespertilionidae.

Espèce-type: "*Eptesicus*" pumilus GRAY, 1841.

Le genre *Nycterikaupius* est odontologiquement homogène, et notre investigation est

p. 109

limitée à cette seule considération. Il est vraisemblable que ce taxon fera plus tard l'objet d'une révision, et que les raisons de le scinder seront autres que celles liées aux structures dentaires. Il semble prématuré de s'engager présentement dans cette démarche, qui nous obligerait à utiliser d'autres méthodologies que l'odontologie. Cette probable mise au point comporte d'ailleurs un préalable: la révision des types spécifiques et leur comparaison avec les pièces muséologiques, afin de limiter la confusion qui règne actuellement à ce niveau.

Diagnose odontologique:

I1/: première voie évolutive; types B' et B" (I,80);
I2/: type B (I,84); processus de régression engagé;
C. sup.: type B (I,91) très modifié; la crête mésiale s'estompe, elle laisse place à un arrondi antérieur; la face plane interne devient moins importante; par ailleurs pas de renfort sur la face interne, comme cela est le cas sur les dents du type C (I,91);
P2/: type B (I,99) quand la dent est présente;
P4/: type D (I,102), dent morphologiquement fluctuante;
M1/-M2/: type A (I,112) peu souvent; type B (I,114) communément; dans les deux cas la partie linguale de la dent est fluctuante;
M3/: intermédiaire entre les types A et B (I,122);
I/1-I/2-I/3: nombreux intermédiaires entre les morphologies B et C (I,86-87); disposition imbriquée ou non;
C. inf.: type B1 (I,96);
P/2: type B (I,106);
P/4: type B (I,108); fusion des racines parfois amorcée; type uniradiculé quelquefois réalisé (I,111) ;
M/1-M/2: myotodontes (I,119);
M/3: myotodonte, types B et C (I,124-125).

Composition spécifique du genre *Nycterikaupius* gen. nov.: *brunneus; capensis; inexpectatus; matroka; melkorum; nasutus; pumilus; rendalli; somalicus; tenuipinnis*. Cette liste n'est pas limitative

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Nycteris æthiopica Dobson, 1878

p. 165

Ears as in *N. javanica*, but the tragus is narrower and more curved inwards (Plate XI, fig 3).

Fur, above, brown, paler at the base of the haris; beneath, the chest and abdomen vary in colour from yellowish white to pure snow-white.

Upper incisors bifid; the second lower premolar as large as in *N. hispida*, standing in the tooth-row, but drawn half inwards.

Length, ear 1".15, thumb 0".6; third finger - metacarp. 1".4, 1st ph. 1", 2nd ph. 1".15; fourth finger - metacarp. 1".5, 1st ph. 0".55, 2nd ph. 0".5; fifth finger - metacarp. 1".55, 1st ph. 0".55, 2nd ph. 0".6; tibia 0".85, foot 0".45.

Hab. N.E. Africa (Kordofan; Senaar).

a. ad. sk. (type). Kordofan. Purchased.
b, c. ad. sk. Kordofan. Purchased.
d. ad. sk. Senaar. Purchased.
e. skull of *d*.

Nycteris æthiopica guineensis Monard, 1939

p. 66

Collection: N^{os} 282 F, 283 M, 284 M, 285 F, 319 M, Mansoa.

Cette nouvelle sous-espèce fait partie du groupe *æthiopica*, mais diffère du représentant occidental du groupe, *macrotis* DOBSON par la taille des oreilles et la forme du tragus; de *æthiopica* DOBSON, elle diffère par la longueur du tibia.

Description. Oreille: grande et large, moins grande toutefois que dans *macrotis*, plus longue que la tête; les deux oreilles se touchent sur la ligne médiane du crâne par un petit lobe accessoire, visible de derrière, mais sans se souder. Tragus de *æthiopica*, marge interne concave, sommet arrondi, marge externe convexe sur toute sa longueur, lobe accessoire replié en avant. Appendices nasaux: lobes supérieurs arrondis en croissant; lobes moyens larges et arrondis; lobes inférieurs dépassant peu les moyens en arrière et seulement légèrement échancrés; fosse postérieure profonde, sans crête médiane; lobe postérieur très proche du lobe interne des oreilles. Membranes normales. Tibias plus longs que dans *æthiopica* et *macrotis*.

Pelage: noirâtre sur le dos, la base des poils claire. Faces ventrales blanchâtres; côtés du museau, nombreux poils des lèvres, base des oreilles par derrière blancs. Membranes noirâtres.

Crâne: incisives supérieures bifides, séparées par paires au milieu. séparées aussi des canines. Deuxième prémolaire inférieure petite, située à peu près dans la ligne dentaire, légèrement en dedans. Pointes accessoires des canines supérieures basses. Des-

p. 67

sin formé par les naso-frontaux terminé en arrière par un arc en ogive, les expansions latérales larges.

[table removed - eds.]

Nycteris æthiopica guineensis f. aurantiaca Monard, 1939

p. 68

Collection: N° 717 M, Pitche.

Cet unique exemplaire possède tous les caractères de *guineensis* et des mensurations comparables: longueur du corps 56 mm; queue 53; oreille, marge externe 30; avant bras 49; doigt III, 36, 26, 26; doigt IV, 40, 14, 13; doigt V, 42, 13, 14; tibia 25; pied 12. Seule la couleur diffère: elle est d'un bel orangé, avec les pointes des poils plus foncées sur le dos, de même teinte sur le ventre. Le museau et la base des oreilles, par derrière sont blancs. Les appendices nasaux ont la même forme que dans *guineensis*. Une autre forme orangée de *Nycteris* a été signalée: *Nycteris thebaica aurantiaca* DE BEAUX, dans la colonie du Kenia. Les mêmes altérations de couleur se trouvent dans d'autres genres, tels que *Hipposideros, Mops*, etc.

Nycteris aethiopica luteola Thomas, 1901

p. 30

Similar to the typical form in essential characters, but slightly larger, with longer posterior extremities, and of more yellowish coloration.

Fur soft, fine, and straight, the hairs of the back about 9 millim. in length, considerably longer than those of true *æthiopica*. Humeri and proximal halves of forearms clothed with fur, which also extends on to the wing-membrane. Base of interfemoral membrane and proximal halves of femora also hairy. Below, the fur extends further back on the wing-membrane, but less on the interfemoral than above.

General colour above dull buffy, not far from Ridgway's "clay-colour," browner posteriorly and on the humeri. Individually the hairs are glossy buff, with brown tips. Below, the colour throughout is clear buff, very near Ridgway's pl. v. fig. 13.

Ears and tragus as in true *æthiopica*. Forearms rather longer; tail, lower legs, and feet decidedly longer.

Skull similar to, but rather larger than, that of true *æthiopica*.

Dimensions of the type (in skin): -

Forearm 56 millim.

Tail (vertebræ) 57; lower leg and foot, including claws, 36.

Skull: greatest length from occiput to tip of canines 22.2;

p. 31

zygomatic breadth 13; breadth of frontal shield 7.8; upper tooth-row, from front of canine to back of $m.^3$, 7.5.

The measurements of an adult spirit-specimen are given by Dobson (P. Z. S. 1879, p. 718) under the name of *N. æthiopica*. In that specimen the tail is 59 millim. long and the lower leg and foot 37, just about the same as in the type. On the other hand, in a series of true *æthiopica* from Shendy, Soudan, therefore practically topotypes, the tail does not exceed 53 millim., and the lower leg with foot 33 millim., these measurements being very uniform in all.

Hab. Kitui, British East Africa, alt. 3500 feet. Another specimen from Zanzibar.

Type. Female. B.M. no. 1.5.6.4. Collected 14th February, 1901, and presented by S. L. Hinde, Esq.

The original series of *N. æthiopica*, from Kordofan, consists of three faded skins, with imperfect skulls; but fortunately, just as Mr. Hinde's specimen needed determination, the Museum has been presented by Messrs. N. C. Rothschild and A. F. R. Wollaston with a very nice set, both skins and spirit-specimens, from Shendy, on the Upper Nile, and these have enabled me to satisfy myself as to the constancy of the distinguishing characters of the new form.

As already indicated, the example from Zanzibar, referred to by Dobson (P. Z. 8. 1879, p. 718), proves to belong, as might be expected, to *N. æ. luteola*.

Nycteris affinis A. Smith, 1829

p. 434

Nycteris affinis, mihi.

N. cervice et dorso rubro-fulvis; colli lateribus rubro-albis; a tergo aurium subrufa; partibus inferioribus fulvo-albis; membranis nigro-fuscis; dentibus primoribus maxillæ in paria dispositis.

Neck above and back reddish brown or tawny, sides of neck before wings reddish white; behind ears somewhat rufous; beneath tawny white, membranes blackish brown. Incisors of upper jaw in pairs which are separated from each other by a distinct open space immediately in the front of the jaw. Length from nose to root of tail, two inches; ears rather longer and broader than in the last species; tragus short, and its apex semicircular; termination of tail deeply forked, with the last vertebra but one the longest.

The arrangement of the incisors of the upper jaw, the marked difference in respect to the last joint but one of the tail, added to the

p. 435

depth of the fork, and the greater proportion of transverse veins, in the portion of the interfemoral membrane connected with the joint named, tend, with other characters, to estabhsh this as a distinct species from the last.

Nycteris angolensis Peters, 1871

p. 903

(Fig. 5.)

Durch die Güte des Hrn. Barboza du Bocage habe ich verschiedene Exemplare einer *Nycteris* zur Untersuchung erhalten, welche ich für identisch mit *N. fuliginosa* aus Moçambique gehalten habe. Eine genauere Untersuchung hat mir aber gezeigt, dafs, obgleich sie in der Färbung mehr mit dieser letztern übereinstimmt, sie durch die Entwicklung des kleinen zweiten untern falschen Backzahns und auch durch eine etwas geringere Länge des Sporns der *N. thebaica* näher steht und dafs sie von dieser nur durch eine etwas stärkere Entwickelung dieses äufserst kleinen

p. 904

Zalmes von ihr verschieden ist. Der Tragus zerfällt, wie gewöhnlich, in zwei Abtheilungen und die obere abgerundete Abtheilung hat, wie bei *N. thebaica* und *capensis*, den vordern Rand convex.

Meter
Totallänge: 0.113
Kopf: 0.0195
Ohrhöhe: 0.030
Ohrbreite: 0.020
Ohrklappe: 0.008
Schwanz: 0.066
Oberarm: 0.023
Vorderarm: 0.045
L. 1. F. Mh. 0.0058; 1 Gl. 0.005; 2 Gl. 0.0022: 0.013
L. 2. F. - 0.040; - 0.0015: 0.0115
L. 3. F - 0.0368; - 0.026; - 0.024; Kpl. 0.005
L. 4. F. - 0.038; - 0.015; - 0.0115; - 0.0012
L. 5. F. - 0.038; - 0.0145; - 0.0125; - 0.0025
Oberschenkel: 0.024
Unterschenkel: 0.023
Fufs: 0.012
Sporn: 0.017

Diese Art ist in Caconda, Biballa und Rio Coroca VOn Hrn. Anchieta gefunden worden

Nycteris arge Thomas, 1903

p. 633

Allied to *N. thebaica*, but with much smaller tragus.

Size medium. General colour dark brownish above and below. Nose-leaf of normal structure, but unusually thickly

p. 634

hairy. Ears of average size, the projecting lobule at their outer bases very strongly developed, inverted, deeply concave externally, convex internally. Tragus with its free portion, as in *N. thebaica*, expanded above and convex on its inner margin, but the free portion itself is barely one third its size in the allied species, the distance from its inner base to its tip considerably less than the distance from the same point to the base of the outer margin.

Upper incisors deeply bifid; second lower premolar nearly half the size of the first, in the tooth-row.

Dimensions of the type (measured in spirit): -

Forearm 45 mm.

Head and body 52; tail 48; lower leg and foot (s.u.) 32.5; head 21.5; ear 28; inner margin of tragus 2.5.

Hab. Efulen, Cameroons.

Type. Adult male. Collected by Mr. G. L. Bates. Two specimens.

This *Nycteris* is readily distinguishable by the extremely small size of the free portion of the tragus, which is otherwise similar in shape to that of *N. thebaica*.

Nycteris avakubia J.A. Allen, 1917

p. 426

Type (and only specimen, in alcohol), No. 49403, M ad., Avakubi, Belgian Congo, September, 1913; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 2623.

A member of the *N. hispida* group, intermediate in size between *N. hispida* and *N. grandis*. Upper incisors trifid, p_4 large, fully one third the size of p_3, and similar to it in general form. Coloration not distinctive, but very dark including ears and membranes, in the single specimen in alcohol.

Total length, 137 (150, 144.7); head and body, 63 (--, 71); tail, 65 (70, 73.7); ear, 25 (32, 30,5); forearm, 51 (59.5, 57); third finger, metacarp, 40 (44, 43.2); tibia, 30 (25.5, 31.8); foot, 12 (18.5, 15.2); calcaneum, 20 (23, 22.9).

Skull, total length, 22.4; zygomatic breadth, 12.9; upper toothrow (c-m^3), 7.7; length of mandible, 15.1; lower toothrow (c-m_3), 8.4.

Represented only by the type (in alcohol) taken at Avakubi.

Nycteris benuensis Aellen, 1952

p. 53

COLLECTION

2 exemplaires.

N° 1481 a (type) M ad., 1481 b (tête seulement), Rei Bouba, 16.9.1947.

DESCRIPTION

Caractères externes. - D'allure générale, cette nouvelle espèce est semblable à *nana nana*. Les mesures externes sont un peu plus fortes que chez cette dernière. L'oreille et la feuille sont comme chez *nana nana*. Le lobule de la base du bord externe est grand, presque plat, beaucoup moins concave que chez *nana* ou *arge*. Le tragus est falciforme; le bord externe est convexe; le bord interne est sinueux, concave à la base, convexe au sommet; la partie libre est égale à la moitié de la longueur totale (fig. 12, p. 50). La queue est relativement plus courte que chez *nana nana*. Le pelage s'étend sur le 1/3 basal de l'avant-bras, à la face supérieure, un peu moins dessous.

Coloration. - La teinte générale est gris brunâtre, légèrement plus clair à la face inférieure et à la base des oreilles. Les oreilles et le patagium sont bruns.

Crâne. - Il ne présente aucun caractère particulier.

Dentition. - Les incisives supérieures sont à peine bifides, probablement très usées. La 2^{me} prémolaire inférieure est dans la rangée dentaire; elle est petite et atteint juste le talon de la première prémolaire dans un des spécimens (N° 1481 a), elle est encore plus petite dans l'autre.

Mensurations

Type, N° 1481 a, M ad.

Long, tête + corps: 46
Avant-bras: 38
Tibia: 18.2
Pied: 9.2
Oreille: 19.5
Queue: 44
3me doigt, métac: 30.5
" 1re phal: 21
" 2me phal: 23
4me doigt, métac: 32
" 1re phal: 11.8
" 2me phal: 8
5me doigt, métac: 31.5
" 1re phal: 11
" 2me phal: 11.5

Paratype, N° 1481 b, ad.
Crâne, long, totale: 17.4
Long, condylobasale: 14.5
Larg.. Zygomatique: 10.2
Larg. Cérébrale: 7.9
Larg. Interorbit: 4.8
Larg. Bords ext. de M^3-M^3: 6.6
Rang. Dent. Sup: 5.6
Rang. Dent. Sup. (alv.): 5.2
Long, mandibule: 10.9
Rang. Dent. Inf: 5.9

N. benuensis est voisin de *nana*, mais s'en distingue principalement par la forme du lobule du bord externe de l'oreille et par la taille de la 2me prémolaire inférieure.

BIOLOGIE

Les deux exemplaires obtenus par la Mission Suisse ont été apportés par un indigène en même temps que des *Rhinolophus foxi*. Mais, il n'est pas certain que ces deux espèces aient été trouvées ensemble.

Nycteris Capensis A. Smith, 1829

p. 434

Nycteris Capensis, mihi.

N. cervice et dorso nigro-fuscis, colli lateribus sordido-albis; partibus inferioribus subcinereis: membranis rubro-fuscis; apice tragi semicirculari cum cristâ villi albescentis.

Neck above and back blackish brown, sides of neck dirty white, below cinereous white with shades of blackish; membranes reddish brOwn; height of ears without from fur to tip, $^7/_8$ of an inch, width better than $^6/_8$; tragus short, apex semicircular and its upper edge clothed with a tuft of long, white, woolly fur; termination of tail but slightly forked, last vertebra but one if any thing the shortest. Length from nose to root of tail, better than two inches; expanse of wings, ten inches. Found in the interior parts of South Africa as well as upon the Eastern coast.

Nycteris damarensis Peters, 1871

p. 905

(Fig. 7.)

Aus dem Damaralande haben das Berliner, das Stockholmer und das British Museum Exemplare einer *Nycteris* erhalten, welche der *capensis* Smith äufserst nahe steht, durch die ganz schneeweifse Unterseite, ohne bräunliche Schattirung an der Seite der Brust vor der Schulter, auffällt und sich durch eine etwas stärkere Entwickelung des kleinen zweiten untern falschen Backzahns auszeichnet. Ich lasse dieser Art den Namen, unter welchem sie im British Museum und in dem Catalogue of Mammalia von 1843 (p, 24) aufgeführt ist, obgleich sie niemals beschrieben wurde.

Meter
Totallänge: 0.118
Kopf: 0.0222
Ohrlänge: 0.035
Ohrbreite: 0.023
Tragus: 0.009
Schwanz: 0.056
Oberarm: 0.022

Vorderarm: 0.040
L. 1. F. Mh.0.005; 1 Gl. 0.005; 2 Gl. 0.0025: 0.013
L. 2. F. - 0.040; - 0.0: 0.040
L. 3. F. - 0.0372; - 0.0265; - 0.025; Kpl. 0.005
L. 4. F. - 0.0408; - 0.014; - 0.0117; - 0.0015
L. 5. F. - 0.0408; - 0.0137; - 0.0117; - 0.002
Oberschenkel: 0.0235
Unterschenkel: 0.023
Fufs: 0.012 - 0.013
Sporn: 0.017

Wir haben diese Art durch Hrn. Hahn aus Otjimbingue

Nycteris Daubentonii E. Geoffroy Saint-Hilaire, 1813

p. 19

Pelage roussâtre; blanc-sale sous le ventre. Oreilles oblongues.

p. 20

Vesp. hispidus. SCHREB., pl. 56.

HABITE le Sénégal.

Nycteris fuliginosa Peters, 1852

p. 46

Tafel X.

N. fuliginosa, subtus ex griseo fuscescens; alis nigris; pilis cervicis, laterumque colli in basi albis, reliquis in basi nigroschistaceis; auriculis dimidio capite longioribus.

Lonqitudo tota 0,120; caudae 0,055; antibrachii 0,045; volatus 0,300.

Habitatio: Africa orientalis, Boror, 17° Lat, Austr.

Die Ohren sind aufserordentlich lang, entfaltet um die Hälfte länger als breit und um ebenso viel länger als der Kopf, über der Stirn durch eine niedrige wulstige Hautfalte verbunden, von elliptischer Gestalt, oben an der Vereinigung der verdickten bogenförmigen Ränder stumpfwinklig zugespitzt, am vorderen Rande und an der Basis mit wolligem weifslichen Haar bekleidet, am übrigen Theil mit zerstreuten Härchen bewimpert. Der Tragus ist durch einen hintern Einschnitt in zwei Lappen getheilt; der obere Lappen ist eiförmig, länger als breit, am obern Rande mit einem Haarbüschel geziert; der Antitragus ist abgerundet, deutlich vom hintern Ohrrande abgesetzt und verlängert sich nach vorn durch eine Hautfalte über die Schläfe. Der hintere Ohrrand spaltet sich, wie bei allen andern Arten, in eine innere nach dem Gehörgang gerichtete Lamelle und in den äufsern mit dem Antitragus verbundenen Theil. Die Augen sind klein und stehen in der Mitte zwischen dem Schnauzenende und der Wurzel des vorderen Ohrrandes. Die Schnauze ist stumpf und abgerundet; die Maulöffnung ist bis unter die Basis der Nasenklappe gespalten, und an den Seiten in einem nach unten flach convexen Bogen geschwungen. Der Rand der Oberlippe ist vorn ein wenig vorstehend und verdickt. Die Unterlippe zeigt eine mittlere breite dreieckige sich nach unten verschmälernde Furche, die zu beiden Seiten durch einen wulstigen Rand, nach oben hin durch eine warzige Erhöhung begrenzt ist. Die Bildung des Nasenbesatzes, die Furchung des Kinnes und die Bildung der Lippen zeigt nichts von den andern Arten Abweichendes. Die Schleimhaut des Gaumens bildet sechs Querfalten. Die Behaarung des Körpers ist sehr reich, an der Rückseite doppelt so lang wie am Bauche. Sie erstreckt sich aber über die Flughäute nicht weiter als bei *Nycteris thebaica*, Geoffroy, etwas über die Hälfte des Oberschenkels, an der Bauchseite etwas weiter als an der Rückenseite. Die Verhältnisse der Gliedmafsen gehen aus den unten angeführten Mafsen hervor, sie zeigen nichts Eigenthümliches. Das letzte Schwanzglied ist bei verschiedenen Exemplaren von verschiedener Länge, bald äufserst kurz, bald länger, immer aber viel kürzer als die beiden Zweige des Endknorpels zusammengenommen.

Die Farbe der Rückenseite ist rufsbraun, die Bauchseite grau mit einem bräunlichen Schein. Die Haare des Nackens und der Halsseiten sind am Grundtheile weifs, die übrigen schwarzgrau, schieferfarbig. Die Flügel und Ohren erscheinen blauschwarz, bei durchfallendem Schein haben sie eine Beimischung von Braun. Bei jungen Individuen ist die Farbe etwas

p. 47

heller, immer aber noch viel dunkler als bei den verwandten Arten. Die Nägel sind von weifser Hornfarbe.

Der Schädel und das Gebifs zeigen dieselbe Form wie von *Nycteris thebaica*; auch in den relativen Verhältnissen finde ich keinen bemerkenswerthen Unterschied. Der untere zweite kleine Lückenzahn ist bei allen Exemplaren vorhanden, und ein ganz wenig gröfser als bei den jungen ägyptischce, denen er im späteren Alter zu fehlen scheint. Die Zahl der Wirbel ist constant an mehreren Skeleten 35: hiervon sind 7 Halswirbel, 10 Rückenwirbel, 6 Lendenwirbel, 5 Kreuzbeinwirbel und 7 Schwanzwirbel.

Die Zunge ist ganz gleichumäfsig von kleinen platten Schüppchen bedeckt, welche auf der Grundhälfte etwas weniger gedrangt stehen, und nahe der Basis zeichnen sich zwei von einer ringförmigen Vertiefung umgebene Wärzchen durch ihre Gröfse aus. Die Speiseröhre geht, sobald sie das Zwerchfell durchbohrt hat, in einen sackförmigen rundlichen Magen über, der sich durch eine geringe Abschnürung von dem etwa 120 Millmeter langen Darm scheidet, welcher einfach, nach mehreren Windungen, in das etwas erweiterte Rectum übergeht. Die Luftröhre macht unter dem Kehlkopf zwei seitliche Anschwellungen und enthält bis zu ihrer Theilungsstelle 23 knorpelige Halbringe. Die Lungen bilden jederseits nur einen unregelmäfsig quadratischen Lappen. Die Nieren sind ungelappt, bohnenförmig. Die Nebennieren haben eine platte Gestalt und sind sehr klein. Die Gestalt der Milz ist zungenförmig. Die Hoden liegen aufserhalb der Bauchhöhle. Die Ruthe enthält in ihrer Endhälfte einen 3 Mm. langen Knochen, der mit einer breiten, ausgehohlten Basis dem Ende der Corpora cavernosa aufsitzt. Die Hörner am Uterus des Weibchens sind sehr lang.

Ich fand diese *Nycteris* nur ein einziges Mal, aber in grofser Anzahl, in einem dunkeln Raume meiner Wohnung, welcher durch einen Schornstein mit der freien Luft in Verbindung stand. Es war dies im März 1846, in Boror, etwa 12 Meilen nordwestlich von Quellimane. Diese Thiere nähren sich wol nur von Insecten, obgleich die Einwohner ihnen Schuld geben, dafs sie das Fleisch in den Vorrathskammern angreifen. Wenigstens fand ich nur Theile von Insecten in ihren Verdauungsorganen. Die Eingebornen nennen diese Fledermaus *nantûtu*.

Mafse in Millimetern.

M; F
Ganze Länge von der Schnauze bis zur Schwanzspitze: 120; 115
Flugweite: 300; 300
Länge des Kopfes: 21; 21
Länge oder Höhe des ganzen Ohres: 32; 32
Breite des Ohres: 20; 21
Länge des Oberarms: 20; 20
Länge des Unterarms: 45; $43^1/_2$
Länge des Daumens (Mittelh. 5, 5. 1.Gl. $5^1/_2$, $5^1/_2$. 2.Gl. $2^1/_2$, $2^1/_2$): $12^1/_2$; $12^1/_2$
Länge d. 2ten Fingers (Mittelh. 39, $35^1/_2$. 1.Gl. 1, $1^1/_2$): 40; 37

p. 48

Länge d. 3ten Fingers (Mittelh. 35, 32. 1.Gl. 24, 23. 2.Gl. $23^1/_2$, 23. 3.Gl. $3^1/_2$, $3^1/_2$, $3^1/_2$):86; $82^1/_2$
Länge d. 4ten Fingers (Mittelh. 37, 35. 1.Gl. $13^3/_4$, $13^1/_4$. 2.Gl. 10, $10^1/_4$. 3.Gl. 1,1): $61^3/_4$ $59^1/_2$
Länge d. 5ten Fingers (Mittelh. $38^1/_2$, 36. 1.Gl. $1^1/_2$, 13. 2.Gl. $11^1/_4$, 11. 3.Gl. $2^1/_2$, 2): $65^3/_4$; 62
Länge des Oberschenkels: 22; 22
Länge des Unterschenkels: $23^1/_2$; $23^1/_2$
Länge des Fufses: $10^1/_2$; $10^1/_2$
Länge des Schwanzes: 55; 52
Länge des Sporns: 18; 18
Länge des Schädels: 19; 19
Länge der Wirbelsäule vom Atlas bis zum Ende des Kreuzbeins: 35; 35

Nycteris capensis und *Nycteris affinis* sind nur nach Smiths kurzen Diagnosen bekannt; hiernach unterscheidet sich die erste von vorstehender Art durch rothbraune (rubrafusca) Färbung der Flughäute, schwache Gabelung des Schwanzes und die im Verhältnifs zum Länge gröfsere Breite der übrigens kürzeren Ohren (Länge $^7/_8$ Zoll, Breite $^6/_7$ Zoll); die zweite ist ganz anders gefärbt "cervice et dorso rubro-fulvis, colli lateribus rubro-albis; a tergo aurium subrufa; partibus inferioribus fulvo-albis: membranis nigro-fuscis;" und soll die oberen Schneidezähne paarweise getrennt haben. Aufserdem wird zwischen beiden Arten noch eine Verschiedenheit in der Kürze oder Länge des letzten Schwanzgliedes gesucht, was nach meine Beobachtungen bei einer und derselben Art variirt, *N. discolor*, welche ich durch die zuvorkommende Güte meines hochverehrten Freundes A. Wagner vergleichen konnte, hat eine breitere Ohrklappe und verhältnifsmäfsig breitere Ohren, aufserdem ist die Farbe des Thieres und der Flughäute viel heller braun. *Nycteris hispida*, Schreber, ist oben röthlichbraun, unten gelblich weifs. *Nycteris thebaica*, Geoffroy, hat kürzere und verhältnifsmäfsig breitere Ohren, die Ohrklappe ist breiter und abgerundeter, die Farbe der Rückenhaare ist an der Basis schmutzig weifs, und der zweite kleine untere Lückenzahn ist ganz nach innen gedrängt und fällt bei den älteren Individuen aus. *Nycteris javanica*, Geoffroy, ist durch ihre Gröfse, durch die roströthliche Farbe und die Gröfse des zweiten untern Lückenzahns hinreichend von allen anderen Arten unterschieden.

Nycteris Geoffroyi Desmarest, 1820

p. 127

(Non figuré dans l'Encycl.) *Description d'une chauve-souris étrangère*, Daub. Œuvres de Buffon, descripr. du cabinet, n. DCDX et DCDXI. - *Nyctère de la Thébaide*, Geoff. Mém. de l'Instit. d'Egypte, hist. nat. tom. 2. pl. 1 et 2.

CAR. ESSENT. *Oreilles très-grandes; opercules des environs des narines assez développés et en spirale; lèvre inférieure ayant une forte verrue à son extrémité, située entre deux bourrelets alongés, non réunis et en forme de V; pelage d'un gris-brun en dessus; gris plus clair en dessous*.

DIMENS. Longueur du corps mesuré en ligne droite, depuis le bout du museau jusqu'à l'origine de la queue: 1 pouc. 10 lig.

- de la tête, depuis le bout du museau jusqu'à l'occiput: 1 pouc. 10 lig.

- de la fosse du chanfrein: 5 lig.

Largeur des opercules: 1 ?/?

Longueur des oreilles: 11 lig.

Envergure des ailes: 9 pouc.

Longueur du pouce de l'aile: 5 ?/?

- de la queue: 1 pouc. 11 lig.

DESCRIPT. Tête grosse, fort prolongée en avant; crâne volumineux, très-arrondi en arrière; museau renflé; bouche très-fendue; lèvre supérieure haute et très-entière; lèvre inférieure comme bifurquée, et offrant deux bourrelets ou replis de la peau épais et nus, formant un angle entr'eux, et étant séparés par un sillon qui se prolonge sous la mâchoire; un tubercule entre-deux, formant la terminaison de la lèvre; canines assez fortes; incisives très-petites et bilobées ou trilobées; langue alongée, arrondie au bout, et ayant sa surface parsemée de petits grains élevés qui paroissent être des papilles cornées extrèmement fines; nez très-compliqué, composé, 1°. des deux ouvertures nasales fort rapprochées et situées à la partie antérieure d'une grande fosse du chanfrein qui se porte depuis le haut de la lèvre jusqu'à la base du crâne proprement dit; 2°. d'un repli mince de la peau, recouvert de poil, bordant extérieurement, cette fosse, et ne s'apercevant que lorsqu'on le soulève avec l'extrémité d'un instrument aigu; 3°. de deux replis plus minces, longitudinaux, sans poils, situés parallèlement l'un à l'autre dans le fond de la fosse du chanfrein; 4°. de deux espèces de pièces de

p. 128

forme arrondie, un peu en spirale, tenant au repli extérieur de la peau, et recouvrant en partie le milieu de la fosse du chanfrein, mais non les ouvertures des narines, qui sont situées en avant; oreilles placées à peu près au tiers postérieur de la longueur de la tête, d'une hauteur presque double de la sienne, ayant l'ouverture de la conque de forme ovale oblongue, dirigée en avant et les contours entiers; les bords internes des deux oreilles étant assez rapprochés l'un de l'autre, et même réunis sur le front par une perire cloison membraneuse, transversale; bords externes commençant sur les côtés de la tête et fort bas, où ils forment un assez grand repli; conque velue près de la tête, n'offrant en dehors qu'un seul pli droit, partant de sa base et se portant presqu'à son extrémité, et assez près du bord externe, ce pli étant indiqué par une nervure saillante postérieurement, et garnie d'une seule rangée de petits poils disposés comme des cils; des poils rares sur les deux faces de la conque, et dont les bulbes forment autant de points moins transparens que le reste de la membrane; oreillon petit, appliqué au bord interne du dedans de la conque, de forme arrondie ou en cuiller, et étant deux fois aussi large que haut, sa face antérieure érant velue; yeux petits, une fois plus près de l'oreille que de la pointe du museau; cou court, mais bien marqué; corps très-épais et très-musculeux antérieurement; ligne moyenne du dos entre les épaules, offrant un sinus longitudinal très-profond; poitrine très-renflée et très-large; ventre mince; ailes grandes et larges; pouce grêle avec un ongle foible; muscles des avant-bras très-forts; membrane interfémorale très-ample, soutenue par des osselets cartilagineux presqu'aussî longs que la jambe, et embrassant la queue, qui est formée de sept vertèbres, et terminée par un cartilage en forme de T, dont les branches partent à droite et à gauche de l'extrémité de la dernière; pelage doux et fin, brun en dessus et gris-brun clair en dessous.

Nota. Telle est la description détaillée d'un nyctère qui nous a été rapporté du Sénégal par M. Huzard fils, habile médecin vétérinaire. Ayant comparé ce cheïroptère avec le nyctère de la Thébaïde de M. Geoffroy, nous n'avons pu trouver de caractères distinctifs assez tranchés pour l'établir en titre d'espèce; mais les proportions de diverses parties de son corps nous ont présenté quelques différences que nou relaterons ici.

Nycteris Geoffroyi Var. Senegalensis Hartmann, 1868

p. 44

N. Geoffroyi Desm. (Mumm. p. 127, 190). Var. *Senegalensis* (das.). Sennar.

Nycteris grandis Peters, 1865

p. 358

In der Färbung und Behaarung ganz mit *N. fuliginosa* übereinstimmend, aber beträchtlich gröfser, indem sie selbst noch *N. javanica* an Gröfse übertrifft. Die Ohren sind so lang wie der Kopf. Die vier oberen Schneidezähne sind dreilappig und der zweite untere falsche Backzahn ist zwar klein, indem seine Gröfse kaum ein Drittel des vorhergehenden Zahns ausmacht, aber er ist nicht von vorn nach hinten zusammengedrückt. Auch bei dieser grofsen Art habe ich vergeblich nach einer ??bula gesucht.

Länge vom Hinterhaupt bis Ende der Schenkelflughaut ungefähr 0^m,110; Länge der Schenkelflughaut ungefähr 0^m,0??, Kopf 0^m,029; Ohr 0^m,029; Vorderarm 0^m,055; Tibia 0^m,0??; Sporn 0^m,023.

p. 359

Aus Guinea; dem einzigen getrockneten Exemplar, welches sich im Reichsmuseum zu Leiden befindet, ist der Schwanz ausgezogen, so dafs sich die Länge desselben nicht genau bestimmen läfst.

Nycteris intermedia Aellen, 1959

p. 218

Type. - F adulte, en alcool. Adiopodoumé, près d'Abidjan, Côte-d'Ivoire, 20.7.1953; coll. V. Aellen, n° orig. 623. Muséum d'Histoire naturelle de Genève, n° 923.94.

Matériel examiné. - Trois paratypes ont encore été obtenus en Côte-d'Ivoire, à Cosrou (W d'Adiopodoumé) le 24.7.1953 (2 F, n^{os} 923.95 et 923.97 Mus. Genève) et le 19.8.1953 (F n° 923.96). Je rapporte, d'autre part, à cette espèce le spécimen n° 277 de la Mission scientifique suisse au Cameroun, que j'avais déterminé *Nycteris nana* et dont la forte taille m'avait déjà intrigué (AELLEN, 1952).

Diagnose. - *Nycteris* de petite taille (avant-bras 37 mm) voisin de *N. nana* (Anders.) et de *N. arge* Thom., c'est-à-dire à P_4 grand (égal ou supérieur à la moitié de P_2) et à I^1 bifide; de proportions très semblables à *N. arge*.

Description. - Par tous ses caractères, cette nouvelle espèce est voisine de *N. nana* et *N. arge*. Les oreilles ont la même proportion que chez ces derniers, c'est-à-dire qu'elles mesurent environ les 60 à 75 % de la longueur de l'avant-bras. La profonde poche située à la base externe de l'oreille (lobe antitragal) est présente comme chez *N. nana, arge* et *major*. Le tragus est de forme semblable chez les quatre spécimens: type liguli-pyriforme; le bord interne est droit ou légèrement convexe, le bord externe est généralement échancré au milieu, parfois presque droit. Le patagium est inséré environ au milieu du métatarse, alors que chez *N. nana* et *N. arge*, il est fixé au tiers distal du métatarse, presque à la base de la première phalange. Le tibia est de même proportion que celui de *N. arge*; il dépasse la moitié de la longueur de l'avant-bras (plus court chez *N. nana*).

La coloration du spécimen type était la suivante, au moment de sa capture: sommet de la tête et dos brun un peu roussâtre; cou et surtout base externe des oreilles brun fauve; sur le dos les poils sont bruns de la racine à la pointe, au cou ils sont gris blanchâtre à la base et brun fauve au sommet. La face ventrale présente la même coloration que le dessus. La feuille nasale est

p. 219

brune; les côtés du museau brun clair, les oreilles et le patagium brun foncé.

Le crâne est de forme générale très semblable à celui de *N. arge*. La largeur zygomatique représente les 56,8 à 58,6 % (moy. 57,45) de la longueur totale du crâne (chez *N. arge*:
moy. 58,6 %, chez *N. nana*: moy. 55 %). Les premières et secondes incisives supérieures (I^1 et I^2) sont bicuspides. La deuxième prémolaire inférieure (P_4) atteint la moitié ou les deux tiers de la hauteur de la première prémolaire (P_2); en
aucun cas, elle n'arrive à la hauteur de la pointe antéro-interne de la première molaire.

Remarques. - La répartition géographique de *N. intermedia* englobe très probablement toute la zone forestière du golfe de Guinée. Connu jusqu'à présent seulement en basse Côte-d'Ivoire et dans le S du Cameroun, ce Chiroptère a peut-être été signalé par quelques auteurs sous le nom de *N. nana* ou éventuellement de *N. arge*. Du fait qu'il cohabite avec ces deux espèces, on doit le considérer comme espèce autonome et non comme sous-espèce de l'une ou l'autre.

De taille exactement intermédiaire entre *N. nana* et *N. arge*, il fait partie d'un groupe de *Nycteris* qui demande une nouvelle définition. Mon intention, dans ce court article descriptif, n'est pas de faire l'historique du genre *Nycteris* et de ses divisions subgénériques. Cependant, je rappellerai qu'ANDERSEN (1912) a proposé un arrangement des espèces de Nycteris en quatre groupes constitués comme suit:

1° groupe **javanica**: *javanica, tragata* (espèces indo-malaises);
arge, nana, major (espèces africaines);

2° groupe **hispida**: *hispida, aurita, grandis*;

3° groupe **aethiopica**: *aethiopica, macrotis*;

4° groupe **thebaica**: *thebaica, revoili, capensis, damarensis, gambiensis*.

Si l'on considère seulement le premier de ces groupes, on constate que l'une des espèces se sépare nettement des autres par ses incisives supérieures tricuspides: il s'agit de *N. javanica* (cf. ELLERMAN ET MORRISON-SCOTT, 1953). Les autres espèces

p. 220

ont toutes les incisives supérieures bicuspides. Dès lors, il me semble nécessaire de créer un nouveau groupe qui se trouve défini dans la clé suivante. Le nom de l'espèce la plus anciennement décrite a été choisi pour désigner ce groupe:

1. P_4 grand (égal ou plus grand que la moitié de P_2). --> 2

- P_4 petit (plus petit que la moitié de P_2. --> 3

2. I^{1-2} bicuspides (I^2 parfois tricuspide). --> groupe **arge** gr. nov.

- I^{1-2} tricuspides. --> groupe **javanica**

3. I^{1-2} bicuspides. --> 4

- I^{1-2} tricuspides. --> groupe **hispida**

4. Tragus semi-luné. --> groupe **aethiopica**

- Tragus pyriforme (partie libre plus étroite à la base). --> groupe **thebaica**.

Clé des espèces du groupe arge:

1. Avant-bras de plus de 39 mm. Long, du crâne dépassant 19 mm. --> 2

- Avant-bras de moins de 38 mm. Long, du crâne inférieure à 19 mm. --> 4

2. Rangée dentaire supérieure C-M^3 de plus de 8 mm. Avant-bras de 46 mm environ. --> *tragata* Anders. 1912

- Rangée dentaire supérieure C-M^3 inférieure à 8 mm. --> 3

3. Avant-bras de 47,3 à 50 mm. Long, du crâne de 20,9 à 22,4 mm. Oreilles mesurant les 50 à 65 % de la longueur de l'avant-bras. --> *major* Anders. 1912

- Avant-bras de 39,5 à 46 mm. Long, du crâne de 19,3 à 20,9 mm. Oreilles mesurant les 63 à 77 % de la longueur de l'avant-bras. --> *arge* Thom. 1903

4. Avant-bras de 36,5 à 37 mm. Long, du crâne de 18 à 18,7 mm. Tibia plus long que la moitié de la longueur de l'avant-bras. --> *intermedia* sp. nov.

- Avant-bras de 32 à 36,2 mm. Long, du crâne de 15,9 à 16,6 mm. Tibia plus court que la moitié de la longueur de l'avant-bras. --> *nana* Anders. 1912

Dans le tableau de mesures suivant, j'indique à titre de comparaison les minima et maxima pour *N. nana* et *N. arge*.

p. 221

Ces derniers chiffres ont été publiés par divers auteurs et sont complétés par des mensurations personnelles et inédites.

Nycteris intermedia (923.94 F type, 923.95 F, 923.97 F, 923.96 F); *N. nana* (min - max); *N. arge* (min - max):

Avant-bras: 37, 37, 37, 36.5; (32 - 36.3); (39.5 - 46)
3e doigt, métacarpe: 29.5, 30, 30, 29.5; (25 - 28.5); (30 - 36)
" 1re phalange: 19, 19.5, 18.5, 18.5, (15.5 - 16.5); (20 - 23.1)
" 2e phalange: 23, 22.5, 23, 23; (18); (25 - 27)
4e doigt, métacarpe: 31.5, 33.5, 33, 32.5 (27.5 - 29.7); (33 - 38.2)
" 1re phalange: 10.5, 11, 10.5, 10; (9); (11 - 13.4)
" 2e phalange: 9, 9, 9, 9.5; (8); (11 - 13.2)
5e doigt, métacarpe: 32, 34, 33.5, 32.5; (27 - 30.3); (35 - 38.6)
" 1re phalange: 10, 10.5, 10.5, 10; (9); (11.5 - 13.8)
" 2e phalange: 11, 11, 11.5, 11.5; (9); (12.5 - 14.5)
Tibia: 21, 21, 21, 21; (14.5 - 17.3); (22 - 24.5)
Pied (avec griffes): 9, 9, 9, 9.5; (6.5 - 8); (9.5 - 11)
Queue (de l'anus): 53, 51, 52, 53; (38 - 44); (50 - 60)
Oreille (longueur): 24, 23.5, 24, 24; (17 - 21); (25 - 32)
Tragus (bord interne): 2.1, 2.2, 2.2, 2.3; (1.7); (2.5)
" (bord externe): 5.4, 5.3, 5.5, 5.5; (3.2); (6.2)

Crâne:
Long, totale (à la canine): 18.7, 18, 18.3, 18.2; (15.9 - 16.6); (19.3 - 20.9)
" condylobasale: 16, 15.2, 15.7, 15.7; (13.4 - 13.9); (16.8 - 18.2)
" losange nasal: 8, -, 8.1, 7.2; (6.8); (9.2)
Larg. losange nasal: 7.8, -, 7.1, 6.6; (6.3); (7.4 - 7.8)
" zygomatique: 10.7, 10.3, 10.4, -; (8.6 - 9.5); (11 - 12.6)
" mastoïde: 8, 8.1, 7.8, -; (7.2 - 8); (8.6 - 9.6)
" C-C (externe): 4.6, 4.3, 4.5,-; (3.7); (4.7 - 5.2)
" M^3-M^3 (externe): 6.9, 6.5, 6.8, -; (5.5); (7.4 - 7.7)
Long, rangée dent. C-M^3: 6.4, 6.1, 6.3, 6.1; (5 - 5.7); (6.7 - 7.3)
" mandibule: 12.3, 12, 12.3, -; (9.8 - 10.7); (12.9 - 14)
" rangée dent. C-M_3: 6.9, 6.4, 6.8, 6.7; (5.6 - 5.8); (7.3 - 8.2)

Nycteris labiata Heuglin, 1861

p. 5

Fissura frontis membranis utrinque quatuor ornata, quarum superiore biloba; labro trisulcato, labio bipartito; gastreo, pileo naribusque albidis; regione ophthalmica, fronte, cervice et dorso murinis; colli lateribus humerisque intense griseo-rubente indutis; auriculis pallide fuliginosis, minutissime nigro-marginatis; patagiis nigricantibus.

Auf der gespaltenen Nase vier Hautfalten; die Oberlippe als eine ihrem Rande parallele Querfalte aufgetrieben, welche jederseits in der Eckzahngegend durch eine Furche gespalten ist; die Unterlippe in der Mitte einfach getheilt und die ganze Schnauze dicht und ziemlich kräftig und lang behaart - Ohren sehr gross und breit, elliptisch, am Innenrand fein und mässig lang behaart; *Tragus* klein und gerundet, letzterer sowie die Aussenseite des Ohrenrandes mit kleinem Lappen; Gaumenfalten sechs, die vorderste ungelheilt, zwischen ihr und der nächstfolgenden in der Gaumenmitte eine sticknadelkopfgrosse Warze; Schwanz sehr lang, an der Spitze getheilt und mit den Gabelgliedern einen

p. 6

Theil des untersten Randes des *Patagium interfemorale* einfassend; die Lippen sind nackt fleischfarb, ins Gräuliche mit feinen violetten Punkten besetzt - Zahnsystem regelmässig; oben je zwei, unten je drei Schneidezähne. Die Länge der Ohren ist bei verschiedenen Individuen ziemlich verschieden: die mittlere durchschnittliche Länge 1" 1‴ französ. Mass auf 9‴ Breite; Körper 2" lang, Schwanz 2", Flugweite 10"-11".

Ein Exemplar zeigt auf Rücken und Schultern einfach mausgraue Färbung ohne Beimischung von röthlichgrau.

Nycteris macrotis Dobson, 1876

p. 80 (footnote)

Length (of an adult M preserved in alcohol), head and body 2".25, tail 2".4, head 0".85, ear 1".4, tragus 0".3 x 0".18, forearm 1".9, thumb 0".5, second finger 3".6, fourth finger 2".8, tibia 0".95, caleaneum 0".75, foot and claws 0".4.

Hah. Africa (Sierra Leone).

Type in the collection of the British Museum.

Nycteris madagascariensis G. Grandidier, 1937

p. 353

Vient de la vallée du Rodo; il y en a deux exemplaires dans nos collections. Bien que représenté par de nombreuses espèces dans toute la région chaude, de l'Ancien monde, des îles de la Sonde au continent africain, ce type de chauve-souris n'a pas encore été signalé à Madagascar; nos spécimens bien que présentant tous les caractères du genre, diffèrent des *Nycteris* connus jusqu'ici par leurs proportions, et la teinte de leur fourrure notamment de *N. hispida, javanica, arge* et *angolensis* avec lesquelles *N. madagascariensis* y a quelques points de ressemblance; nous devons cependant les considérer comme les types d'une espèce nouvelle.

Le pelage est très clair, gris brun sur le dos et gris ardoisé clair sur le ventre; les oreilles qui sont à peu près de la longueur de la tête et très développées sont glabres, le tragus est arrondi et très petit, les pieds sont grisâtres. La queue qui est très importante et qui est complètement prise dans la membrane, se termine par une petite vertèbre en forme de T et non pas en pointe comme chez la plupart des *Nycteris*.

Le crâne montre tous les caractères de ceux des *Nycteris* avec sa dépression naso-frontale qu'entourent des expansions osseuses foliacées; il est cependant remarquablement fort et puissant en, proportion des dimensions des deux exemplaires de nos collections qui sont des adultes approximativement de même taille, l'un est une femelle, peut-être en état de gestation.

Voici les dimensions moyennes de ces deux chauves-souris:

Envergure 260 mm.; longueur totale 99 mm.; corps 45 mm.; queue 54 mm.; hauteur de l'oreille 27 mm.; largeur de l'oreille 18 mm.; hauteur du tragus 3 à 4 mm.; avant-bras 51 mm.; partie inférieure de la jambe 24 mm.; pouce 16 mm.; 2^{e} doigt 63 mm.; 3^{e} doigt 85 mm.; 4^{e} doigt 70 mm.; 5^{e} doigt 71 mm.

Crâne: longueur totale maximum 22 mm.; largeur zygomatique extérieure 13.5 mm. ; longueur C. m^3 8 mm.; Mâchoire inférieure: longueur maximum 14 mm.; longueur C. m^3 8 mm.

Nycteris marica Kershaw, 1923

p. 534

Nycteris marica, sp. n.

A large bat, equal to *N. grandis* in size, but with a smaller skull.

Colour drab-grey above and below, rather darker in the posterior dorsal region. Wing-membranes broccoli-brown. Lower surface of wing-membranes on each side of the body thickly furred to a distance of about 20 mm. from the body.

In the skull the fourth lower premolar is much larger than in *qrandis*, though not so large as in the *javanica* group.

Type. Adult. B.M. no. 23.8.2.1. Collected on 24th Jan., 1922.

Type-locality. Tindiga, Kilosa.

Measurements from the dried skin: -
Forearm 60 mm.; head and body 93; tail 70; ear 27;

p. 536

thumb 18.7; third finger, metacarp. 48, first ph. 32, second ph. 32; tibia and foot with claws 44.

Skull: greatest length to tip of canine 26; zygomatic breadth 16; breadth of frontal shield 10.2; p_4 comparatively large and standing in the tooth-row.

N. marica, a member of the *hispida* group, is, with *grandis*, larger than any other species in the genus. It differs from *grandis* in colour and in the smaller skull with the larger p_4.

Nycteris nana tristis G.M. Allen and Lawrence, 1936

p. 47

Type. Museum of Comparative Zoölogy, No. 31,156. An adult female, skin and skull, from Kaimosi, Kakamega district, Kenya Colony, collected by Arthur Loveridge, February 13, 1934.

Description. Compared with skins from Lolodorf, Cameroon, representing typical *N. nana* (type locality, Benito River, French Congo), the East African race lacks the warm russet coloration of the fur of both surfaces, and is instead a uniform dark drab gray both above and below. The fur is of the same color from tip to base except on the nape and expecially about the bases of the ears, where it is slightly paler, a soiled grayish, basally. On the membranes the fur extends out on the propatagium from the axilla to about the end of the first third of the fore arm, and on the plagiopatagium to a line joining the elbow and the first third of the tibia. On the uropatagium the fur extends out as far as a line connecting the proximal ends of the tibiae. On the under side the extent is about the same, except that it does not quite reach the knees.

Measurements. The specimen has practically the same dimensions as those of the West African race. The type measures: fore arm, 35.8 mm.; tibia, 15.7; foot, 6.5; tail (about) 45; thumb, 11.5; third metacarpal, 28.5; first phalanx, 16.5; fourth metacarpal, 29.7; fifth metacarpal, 30.3 mm.

The skull measures: greatest length, 16.6 mm.; basal length, 12.5; palatal length, 3.6; zygomatic width, 9.3; mastoid width, 8.0; width across frontal plate, 6.6; width outside last molars, 6.2; upper cheek teeth, 5.3; lower cheek teeth, 5.8 mm.

Remarks. Through the kindness of Mr. J. Kenneth Doutt, of the Carnegie Museum, we have had the loan of two specimens representing typical *Nycteris nana*, from Lolodorf, Cameroon. Both agree in their pronounced russet tint, contrasting with the dull gray hue of the

p. 48

eastern animal. It is a rather rare species, for, in addition to the original specimen from Benito River, it has apparently been recorded but twice: by Hollister, in 1918, who mentions two in the United States National Museum from Yala River, Kenya Colony, as forming a considerable extension of the known range into eastern Africa, and again by Cabrera and Ruxton (1926, Ann. Mag. Nat. Hist. (9), 17, p. 591), who had a specimen from Luluabourg, Belgian Congo, that flew into a room. The Cameroon specimens, referred to above, are now recorded for the first time.

Nycteris oriana Kershaw, 1922

p. 179

Nycteris oriana, sp. n.

F. 57, 312. Chiromo.

A member of the *æthiopica* group, with long ears and tail, approaching *N. luteola*, Thos., in size.

The body is clothed with long soft hairs, a dirty white colour on the dorsal surface for the greater part of their length, tipped with brown, the general result being a light pinkish brown. The hairs of the ventral surface are ecru-drab throughout their length. The edge of the wing-membrane from the ankle for about 21 mm. is fringed with light-coloured hairs. The shape of the tragus is as that figured by Dobson in the 'Catalogue of Chiroptera' for *N. macrotis*.

Type. Female. B.M. no. 22.4.2.5.3. Original number 312. Collected on June 7th, 1918, and presented by Mr. Rodney C. Wood.

Type-locality. Chiromo, Shiré Valley, Nyasaland.

Dimensions of the type: -

Forearm 53 mm.; head and body 67.5; tail 63; ear 33; thumb 15.2; third finger - metacarp, 44, 1st ph. 24, 2nd ph. 29; fourth finger - metacarp. 42.5, 1st ph. 16, 2nd ph. 15; fifth finger - metacarp. 45, 1st ph. 15, 2nd ph. 16.2; tibia 25; foot 11; tibia and foot (including claws) 37.

Skull: greatest length to tip of canine 22.3; zygomatic breadth 13.7; breadth of frontal shield 8.4; length of upper tooth-row 8.1; p_4 minute and internal to the tooth-row, not in it, as in *N. æthiopica* and *N. luteola*.

N. oriana does not appear to be nearly related to any of the species in the *æthiopica* group. In size it approaches *N. luteola*, Thos. (which Mr. Thomas now agrees should be elevated to specific rank), but differs widely from it in other respects, such as in the length of the fur (13 mm. in *oriana*,

p. 180

9 in *luteola*), and in its colour and texture, the dimensions of body and skull, the heavier dentition, the position of p_3, and the much larger frontal shield.

Nycteris pallida J.A. Allen, 1917

p. 425

(Type, No, 49144, M ad,, Faradje, Belgian Congo, March 1, 1912; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No. 1858.

A pale small form of the *N. hispida* group, differing strongly from typical *hispida* in its pale coloration and also slightly in smaller size.

Above, pale brown, the tips of the hairs on the lower back and sides pale fulvous; underpays grayish brown; head back to the ears very pale brown, in strong contrast with the body; a narrow whitish band bordering the nose pad in front and laterally; ears light brown terminally, much paler basally; membranes much paler than in *hispida*.

Collectors' measurements of type: Total length, 92; tail, 45; foot, 10; ear; 21 (in skin from anterior border, 15.5),

Additional measurements from type; Forearm, 39.5; tibia, 19; foot, 9.2. Forearm in 5 alcoholics (Faradje, 3, Vankerckhovenville, 2), 37.8 (36.5-39.5).

Skull (type), total length, 17.4; zygomatic breadth, 10.2; upper toothrow (c-m^3), 6.5; lower jaw, 11,8; lower toothrow, 6.8. Type and three topotypes, total length, 17.2 (16.9-17.4); zygomatic breadth (2 skulls), 10.2 (10.1-10.3).

Represented by 12 specimens (3 skins, 9 alcoholics, part immature), of which 8 are from Faradje, and 4 from Vankerckhovenville.

Present material indicates that *N. pallida* differs from *N. hispida*, its nearest ally, in much paler coloration, including especially the ears and membranes, and smaller size, averaging about 4 mm., less in the length of the forearm, with other measurements proportional. *N. pallida* is thus much smaller than *N. aurita* Andersen.

Nycteris poensis Gray, 1843

p. 24

Fernando Po Nycteris.

a. Africa, Fernando Po. - Presented by Capt. Edw. Downes, R.N.

Nycteris proxima Lönnberg and Gyldenstolpe, 1925

p. 1

A member of the *N. hispida*-group approaching in some respects to *N. grandis* PETERS, but differing in several dimensions.

Upper incisors trifid, p_4 in the tooth-row, smaller in size than the corresponding tooth of *grandis* but similar in shape to the same. The colour (in spirit) appears to be comparatively dark, a little paler below. Membranes and ears also dark.

p. 2

Type: M ad. coll. at Kartoushi, Sembiliki valley, $^{11}{}_3$ 1921 (orig. n:o 813).

Dimensions: forearm 58; third finger, metacarpal 38; third finger, first phalanx 27; tibia and foot with claws 39; tibia 25; calcaneum 19; tail 57; ear 30 mm. Tragus very hairy, almost lingulate, broadly rounded at the tip and of almost equal breadth along its whole length.

Skull: Greatest length to tip of canines 24; condyles to canine 20,5; zygomatic breadth 13,5; breadth of frontal shield 7; upper tooth-row, $c\text{-}m^3$ 8.9, length of mandible 16.5; length of lower tooth-row, $c\text{-}m_3$ 10 mm.

From *Nycteris avakubia* ALLLEN, 1917, the new species differs by its considerably longer forearm, somewhat shorter metacarpal of third finger and considerably shorter tail as well as its generally larger cranial dimensions. *N. grandis* PETERS and *N. marica* KERSHAW, 1923, are larger in every respect, the remaining species of this gronp are on the other hand much smaller.

Nycteris Revoilii Robin, 1881

p. 90

Oreilles beaucoup plus longues que

p. 91

la tête; tragus élargi en spatule à l'extrémité présentant un lobe externe arrondi, deuxième prémolaire inférieurs très petite et située dans la rangée dentaire; tête raccourcie (longueur 20^{mm}, largeur 12^{mm}); troisième phalange cartilagineuse du 5^{e} doigt ligre du côté externe; incisives supérieures séparées sur la ligne médiane. Couleur gris à peine centré sur le dos, blanchâtre sur le ventre.

Longueur totale 63^{mm}, queue 51^{mm}, bras 19^{mm}, avant-bras 44^{mm}, cuisse 22^{mm}, jambe 22^{mm}.

Nycteris Thebaicus E. Geoffroy Saint-Hilaire, 1818

p. 119

NYCTERE DE LA THEBAÏDE. *Nycteris thebaïcus*.

Planche I, N.° 2.

Les nyctères forment un genre très-différent des deux précédens.

C'est encore le même nombre d'incisives, mais non la même disposition: plus petites, sur-tout les inférieures qu'on distingue à peine à la vue simple, elles ne sont plus en haut (comme dans les makis) écartées par paire, mais garnissent, au contraire, sur une ligne continue, tout le bord de l'intermaxillaire.

Cet os, subordonné aux variations de l'organe de l'odorat, quoiqu'appuyé sur les maxillaires, jouit d'un mouvement propre; il est soulevé ou abaissé, oscillant comme sur un axe, par la lèvre supérieure, qui est d'une épaisseur et d'une consistance propres à l'entraîner: aminci à ses points d'articulation, il ne pouvoit participer à la fixité de toutes les autres parties osseuses.

p. 120

C'est sans doute parce que l'intermaxillaire est ainsi maîtrisé par les organes qui l'entourent, qu'il est très-petit: il ne fait pas de saillie au-delà des canines d'où il arrive que la mâchoire supérieure est plus courte que l'inférieure, et paroît comme tronquée; il en résulte aussi que les incisives des deux mâchoires ne se correspondent pas, et que posant à faux, elles n'usent point leurs sommets, lesquels restent à deux lobes en haut et à trois crénelures en bas.

Si l'on commence par examiner dans le crâne les fosses nasales des nyctères, on les juge d'abord sans profondeur, parce que les planchers qui en circonscrivent l'étendue sont très-bornés: le plancher inférieur ou la lame palatine ne se prolonge pas au-delà de la deuxième molaire, et l'externe ou les nasaux maxillaires sont des pièces réduites à des dimensions rudimentaires. Mais on prend, au contraire, une autre opinion de ces fosses nasales, en les voyant recouvertes le leurs parties molles. Les arrière-narines s'ouvrent beaucoup au-delà du point où se termine l'os maxillaire; et les méats extérieurs ont leurs larges entrées remplies et pour ainsi dire encombrées de lobes et d'appendices cutanés: un repli du derme naît du milieu de chaque conduit. On diroit que les conques nasales, en saillie chez les vespertilions, et dans une cavité chez les nyctères, ne sont devenues aussi voisines, et ne sont ainsi descendues dans une sorte d'en tonnoir, que parce qu'elles auroient été contractées, repliées sur elles-mêmes et tirées à travers le crâne. Un lobe qui a la forme d'une tête dé clou, et qui n'est autre que le cartilage de la narine, se voit de chaque côté, et concourt comme opercule, avec le repli intérieur, à fermer hermétiquement l'orifice nasal.

Il n'est pour cela besoin d'autre effort de la part de l'animal que de froncer toutes ces parties, et peut-être même de les abandonner à leur élasticité naturelle.

La cavité des narines se prolonge en arrière sur le chanfrein; première circonstance déjà remarquable. Mais ce qui ne l'est pas moins, c'est la grandeur et la forme canaliculée de cette dernière partie: elle donne aux nyctères cette physionomie sombre et farouche qui les caractérise.

Le chanfrein s'étend en effet au-delà de ses dimensions habituelles, et ce, au moyen de lames osseuses qui naissent des côtés de l'os coronal, et se réunissent au vertex: le canal ou fente longitudinale qui résulte de la saillie de ces crêtes, verse sur les narines; seule relation, en dernière analyse, que ces parties aient entre elles.

Cependant le chanfrein auroit-il subi ces étranges métamorphoses pour suppléer à la petitesse extrême des ouvertures nasales, et seroit-il une sorte d'entonnoir où se recueilleraient les fluides odorans? Les bords de la fente sont hérissés de poils longs et

abondans qui la remplissent; mais ce n'est pas quand les muscles labiaux soulèvent les opercules, détendent les plis intérieurs et entr'ouvrent les conduits nasaux: ces bords, par la tension de la peau, sont ramenés en dessus, te avec eux les longs poils qui les garnissent.

Des narines qui sont habituellement fermées, et qui, pour entrer en communication avec les corps ambians, exigent la volonté de l'animal et le jeu de quelques

p. 121

quelques muscles, fournissent sans doute une considération intéressante en elle-même.

Les nyctères ne peuvent manquer d'en tirer avantage; et il se trouve, en effet, qu'ils établissent leur demeure en des lieux d'où de fortes exhalaisons repousseroient d'autres animaux. Mais que la disposition des conduits nasaux son dans un ordre inverse pour les soustraire ainsi aux inconvéniens d'odeurs infectes, c'est ce que je n'ai pu croire. Cet arrangement suppose ailleurs une autre modification, et j'ai dû m'en proposer la recherche.

Le vol des chauve-souris a souvent ramené à l'idée de les comparer aux oiseaux; et l'on a trouvé que ceux-ci se distinguoient toujours par plus d'aisance et de grâces dans les allures, parce qu'indépendamment de plus de perfection dans les organes directs du vol, ils jouissent encore de la faculté de se gonfler d'air et de se rendre plus légers. En s'exprimant ainsi, on étoit loin de penser qu'on retrouveroit la même faculté dans les chauve-souris, dont en effet les fonctions pulmonaires sont si différentes de celles des oiseaux.

C'est toutefois ce que les nyctères m'ont montré, des vésicules aériennes semblables, encore plus grandes, et que l'animal remplit, quand il le veut et autant qu'il le veut. Mais, comme on le pense bien, les nyctères y portent l'air en vertu d'un mécanisme particulier, et au moyen d'une organisation qui, dans ses anomalies, dérive néanmoins du plan primordial et classique des mammifères.

On pressent peut-être déjà les résultats d'un mode si nouveau d'organisation; les moyens qui les donnent, sont d'une simplicité parfaite.

La peau n'a d'adhérence au corps qu'en quelques endroits, où elle est retenue par un tissu cellulaire très-lâche et très-écarté: l'air s'y introduit, et en séjournant ainsi, comme on le dit, entre cuir et chair, donne à l'animal l'apparence de ces veaux soufflés dans les boucheries. Il n'y a de brides aponévrotiques ou de tissu cellulaire que dans le voisinage des méats et sur les côtés du tronc: ainsi la peau se soulève entière sur le dos, à la poitrine et à l'abdomen; ce qui met les nyctères dans un bain d'air, ou, si l'on veut, dans une sorte de manchon que leur forme ce fluide élastique.

Jusque-là, quelque extraordinaire que soit un pareil fait, on ne voit pas qu'il soit en rien dérogé à l'essence du type des mammifères: il n'y est pas dérogé davantage quant aux moyens de souffler cette unique, mais bien vaste cellule.

Au fond de chaque abajoue est une ouverture de deux millimètres de large; et c'est tout simplement par-là que le sac aérien communique avec la bouche.

L'animal en ouvrant ses naseaux fait que l'air ambiant entre et gonfle sa poitrine: en abandonnant, au contraire, un moment après, toutes les membranes nasales à leur élasticité propre, et en tenant simultanément la bouche close, il force le gaz expiré à se rendre dans les abajoues, et de là dans le grand sac aérien.

Quoiqu'il y ait, à l'entrée de ce sac, un sphincter très-apparent, ce n'est pas lui, ou lui seul du moins, qui s'oppose au retour de l'air: il y a de grandes valvules, sur le cou et le dos, qui en sont chargées.

L'air ne suit de route qu'à partir du sphincter: il se rend, en passant,

p. 122

au-devant de l'oreille, dans le sinus du chanfrein, d'où il gagne le vertex, l'occiput, et le col supérieur: c'est là qu'il est versé dans le grand sac.

Ainsi, le nyctère se conduit exactement comme le tétrodon; il porte, à volonté, une gorgée d'air dans son sac, puis une seconde, et ainsi de suite. Il souffle comme nous pouvons le faire nous-mêmes, et de la même manière, avec cette seule différence qu'il souffle dans sa bouche, dont il tient la cavité sans issue à l'extérieur. Sa peau devient une véritable vessie, au-dedans de laquelle le tronc se trouve comme déposé. Les nyctères agissent presqu'à son égard de même que si elle étoit un hors-d'oeuvre, puisqu'ils la remplissent au point de lui faire prendre une forme sphérique. Dans cet état, tout l'animal ressemble à un ballon auquel on auroit attaché des ailes, une tête et des pieds.

Plus heureux que le tétrodon, qui ne recourt à la même industrie qu'en se réduisant à n'être plus qu'une masse inerte sur le miroir des eaux, il conserve toutes ses facultés, ou mieux il en augmente l'énergie, en devenant plus léger et susceptible de plus de vîtesse dans le vol.

J'avois cru apercevoir que les étranges anomalies des conduits olfactifs peseroient sur un autre système d'organe, et occasionneroient peut-être ailleurs d'autre changemens; et il se trouve en effet qu'un grand sac modifie, dans les nyctères, ou plutôt procure à leur organe respiratoire, un précieux appendice. Si cet appareil, qui est si bien adapté à ce système, n'est pas le motif des modifications des fosses nasales, et n'en donne pas une explication entièrement satisfaisante, du moins on ne sauroit nier qu'il n'y ait entre toutes ces parties des relations réciproques et nécessaires.

C'est aux différences que je viens de signaler que se borne l'énoncé des caractères distinctifs des nyctères: les dents canines et molaires de ces chauve-souris ressemblent à celles des vespertilions; il en est de même des viscères abdominaux.

Les tégumens offrent seulement plus d'étendue; les oreilles sont plus longues que la tête, sans que l'oreillon qui borde aussi le méat auditif soit agrandi en même proportion. Cette étendue se fait sur-tout remarquer entre les jambes, ou la membrane caudale surpasse dans ses deux sens la longueur de l'animal.

La dernière vertèbre de la queue est bifurquée; séparation singulière, puisqu'elle se trouve dans tous les nyctères, et n'existe dans aucun autre genre de chauve-souris.

On n'a fait mention que d'une seule espèce de nyctère, le campagnol-volant de Daubenton, dont Linnéus a fait son Vesp. hispidus. Le nyctère de la Thébaïde en diffère, ainsi qu'une autre espèce qui a été rapportée de Java, et qui m'a été remise par M. Leschenault

Les dimensions de ces chauve-souris forment un de leurs traits distinctifs: le nyctère de Daubenton a trente-huit millimètres de long, de la tête à la naissance de la queue; le nyctère de la Thébaïde cinquante-quatre, et celui de Java soixante-sept.

L'oreille a plus d'ampleur dans l'espèce d'Égypte, et le poil y est non moins long et touffu.

p. 123

Le pelage du nyctère de la Thébaïde est brun-clair en dessus, et cendré en dessous: c'est presque la même teinte dans le nyctère de Daubenton; mais elle passe davantage au roux sur le dos, et à un blanc sale sur le ventre, où se voit aussi un mélange de fauve: l'espèce de Java a les parties supérieures d'un roux-vif, et le poil inférieur cendré-roussâtre.

Le nyctère anciennement décrit avoit été rapporté du Sénégal: ainsi tout le genre habite les contrées chaudes de l'ancien continent.

Je présume qu'il en existe deux espèces au Sénégal; du moins Daubenton en a décrit deux variétés qui lui avoient toutes deux été données par Adanson: la seconde, qu'il ne constata que sur un individu desséché (voyez H. N. G., tome X, page 91), différoit de la première en ce que la couleur blanchâtre du dessous du corps étoit mêlée d'une teinte de cendré, et que la membrane des ailes n'avoit point de roussâtre.

J'ai sous les yeux le crâne et les principales parties osseuses du même individu; et ces parties ne s'accordent, ni pour les dimensions plus fortes, ni pour quelques détails de forme, avec les os, dans les nyctères de Daubenton et de la Thébaïde.

Nycteris villosa Peters, 1852

p. 48

Tafel XL.
N. colore corticinofusco, subtus ex qriseo fuscescente; alis fuscis; auriculis longitudine capitis, retro exisis, disjunctis; dentibus primoribus superioribus distincte trifidis; alis supra multo latius quam infra villosis.

Longitudo tota 0,094; caudae O,44; antibrachii 0,038; volatus 0,235.

Habitatio: Africa orientalis, Inhambane, 24° Lat. Austr.

Bei dieser kleinen ausgezeichneten Art sind die Ohren im Verhältnifs zu denen bei den andern Repräsentanten dieser Gattung sehr kurz, kaum so lang wie der Kopf; ihr äufserer

p. 49

Rand zeigt einen flachen Ausschnitt, und ihre inneren Ränder sind auf der Stirn nicht, wie bei allen andern Arten, durch eine Hautfalte miteinander verbunden; die Ohrklappe, welche ziemlich tief sitzt, ist an ihrer oberen Hälfte mit langen Haaren besetzt, verlängert, doppelt so lang wie breit. Der Nasenbesatz und die Bildung der Lippen zeigen nichts von den andern Arten abweichendes. Am Gaumen befinden sich sechs quere Schleimhautfalten; die erste ist grade und liegt zwischen den Eckzähnen; die zweite, welche V förmig ihre Mitte nach hinten in einem spitzen Winkel zurückgezogen hat, liegt zwischen den Lückenzähnen; die drei folgenden bilden in der Mitte einen stumpfen nach hinten gerichteten Winkel und haben ihre Lage zwischen dem ersten Paar der wahren Backzähne; die sechste und letzte grade erhebt sich zwischen den vorderen Enden des zweiten Paars der wahren Backzähne.

Die Behaarung des Ruckens ist beträchtlich länger als die der Bauchseite, und ein dichter Flaum setzt sich viel weiter als bei irgend einer andern Art über die Flughäute fort, so dafs die Schenkelflughäute bis zwischen den ersten zwei Fünfteln des Vorderarms und dem Unterschenkel, und die Schenkelflughaut über die Hälfte wollig erscheint. Auf der Bauchseite dehnt sie sich dagegen nicht so weit aus, während umgekehrt bei den andern bekannten Arten die Behaarung der Rückenseite die am wenigsten ausgedehnte ist. Die Bildung der Flughäute und Gliedmafsen ist dieselbe wie bei anderen Arten. Von den sehr langen Schwanzgliedern sind die beiden ersten von gleicher Länge, und die vier folgenden nehmen progressiv an Länge ab. Die Gabelung des Endknorpels übertrifft die Länge des damit verbundenen letzten knöchernen Gliedes.

Die Farbe der Oberseite its rufsig nelkenbraun, und die Haare sind hier in der Mitte weifslich, an der Basis schwarzbraun gefärbt. Die Bauchseite ist bräunlich weifsgrau, die Basis der Haare ebenfalls schwarzbraun. Die Ohren sind an ihrer äufsern Fläche bis zur Hälfte mit einer weifslichen Wolle bekleidet. Der Haaranflug der Bauchseite der Flügel ist weifslich. Die Flughäute und Ohren sind dunkelbraun, die Nägel weifs.

Der Schädel zeigt in seiner Form nichts Abweichendes. Die vier oberen Schneidezähne stehen zusammen, und sind, was ich bei keiner andern Art bemerken konnte, dreilappig, gröfser ab die sechs unteren, welche quer zum Rande des Kiefers gestellt sind. Der zweite untere kleine Lückenzahn ist mehr entwickelt wie bei den andern mir bekannten africanischen Arten und steht in der Reihe zwischen dem ersten Lückenzahn und dem ersten Backzahn. Die Zahl der Wirbel beläuft sich auf 35; darunter sind 7 getrennte Halswirbel, 10 Brustwirbel, 6 Lendenwirbel, 5 kurze Kreuzbeinwirbel und 7 Schwanzwirbel nebst dem knorpelichen gespaltenen Anhange. Das Brustbein, welches aus drei Stücken besteht, ist an seiner vordern Seite durch einen Längskiel ausgezeichnet, welcher bis auf die Pars xiphoidea herabgeht. Es befestigen sich fünf Paar Rippen an dasselbe, während die übrigen fünf als falsche Rippen zu betrachten sind. Der Magen ist sackförmig und geht in einen einfachen 85 Mm. langen Darm über. Die Leber zerfällt in drei Hauptlappen, in einen linken gröfseren und zwei rechte kleinere: zwischen und unter den letzteren liegt die birnförmige Gallen-

p. 50

blase. Die Milz, welche hinter dem linken Ende des Magens liegt, hat eine Länge von 6 Millim.; eine Breite von $1^1/_4$ Millim. Von den Nieren ist die linke gröfser als die rechte, $5^1/_2$ Millim. lang und 3 Millim. breit, von einfacher, bohnenförmiger Gestalt. Der ganze Kehlkopf ist nur zwei Millimeter lang; der Schildknorpel ist an seinem vorderen Winkel, der Ringknorpel längs der Mitte seiner hinteren Seite stark gekielt. Die Luftröhre bildet unter dem Kehlkopf eine ringförmige Auftreibung, und enthält bis zur Theilungsstelle 24 knorplige Halbringe. Die Lungen bestehen jederseits aus einem einzigen, unregelmälsig quadratischen Lappen. Das Herz hat eine eiförmige Gestalt, eine Länge von 7 und eine Breite von 4 Millimetern.

Mafse in Millimetern.
Ganze Länge in krummer Linie von der Schnauze bis zur Schwanzspitze: 94
Flugweite: 235
Länge des Kopfes: 18
Höhe des Ohres: 17
Breite des Ohres: 13
Länge des Oberarms: $15^1/_2$
Länge des Vorderarms: 38
Länge des Daumens (Mittelh. 5. 1.Gl. $4^1/_2$. 2.Gl. 2): $11^1/_2$
Länge d. 2ten Fingers (Mittelh. 34. 1.Gl. 1): 35
Länge d. 3ten Fingers (Mittelh. 29. 1.Gl. $21^1/_2$. 2.Gl. $22^1/_2$. 3.Gl. 3): 76
Länge d. 4teh Fingers (Mittelh. 32. 1.Gl. 11. 2.Gl. 8. 3.Gl. $1^1/_2$): $52^1/_2$
Länge d. 5ten Fingers (Mittelh. $30^1/_2$. 1.Gl. $11^1/_4$. 2.Gl. $9^1/_2$. 3.Gl. $1^3/_4$): 53
Länge des Oberschenkels: 18
Länge des Unterschenkels: 19
Länge des Fufses: 9
Länge des Schwanzes: 44
Länge des Sporns: 16
Länge des Schädels: 17
Länge der Wirbelsäule vom Atlas bis zum ersten Schwanzwirbel: 30

Alle anderen bekannten Arten von *Nycteris* unterscheiden sich von dieser durch bedeutendere Körpergröfse, viel längere Ohren, geringere Behaarung der Flughäute und endlich durch die zweilappige Form der oberen Schneidezähne.

Das Material für diese Beschreibung besteht in einem einzigen Exemplar, einem Münnchen, welches in Inhambane, im 24° Südl. Br. gefangen wurde. Die Nahrung besteht dem Inhalte des Magens und Darms nach, ausschliefslich aus Insecten.

Nycteris vinsoni Dalquest, 1965

p. 256

Type. - Adult female, skin and skull, no. 18739, Walter W. Dalquest, Midwestern University Collection, taken on the south bank of the Save River, 212 km SSW Beira, Mozambique.

Diagnosis. - A very large *Nycteris*, similar in general proportions to *Nycteris thebaica* but larger and stouter. Forearm more than 50 mm and length of skull from canines more than 21 mm. Ears relatively short, probably less than 25 mm in life.

Comparisons. - This species needs comparison only with *Nycteris thebaica*, the only species of *Nycteris* ranging into southern Africa that is nearly as large. Fortunately two *Nycteris thebaica capensis* were taken in a hollow tree a few hundred yards from the site where the type and paratype of *N. vinsoni* were found. These *N. thebaica* are apparently typical and their measurements agree closely with those given by Roberts (1951). *N. vinsoni* differs from *N. thebaica* principally in its much larger size, more massive skull and heavier dentition but shorter ears. Both *N. thebaica* are in the gray color phase, while the type of *vinsoni* is in the orange phase. However, the paratype of *vinsoni* is of the gray phase.
The size difference between *thebaica* and *vinsoni* is too great to be individual variation within a species. The rostrum of *vinsoni* is 20 % heavier than that of *thebaica*, and the superorbital flanges overhang the orbits to a much greater degree; breadth across the flanges in *thebaica* is 6.8 mm versus 9.0 mm in *vinsoni*.

Measurements. - External measurements of the type are: total length, 125; length of tail, 55; length of hind foot, 13; height of ear from notch, 22. Cranial measurements are

p. 257

those used by Roberts (1951): length of skull from canines, 22.0; frontals to occiput, 17.3; zygomatic breadth, 13.3; braincase breadth, 10.0; width across upper M3's, 8.8; width across upper canines, 5.8; canine-upper M3 length, 7.8; height at bullae, 10.3; mandible length plus incisor, 15.0; canine to lower M3, 8.4; forearm length, 50.6. Every measurement exceeds, usually by a considerable margin, the maximum given by Roberts for *N. (thebaica) capensis*, as well as the measurements of the specimens of *N. thebaica* from the Save River.

Remarks. - The type and paratype were occupying a small hollow, not more than 6 inches in diameter, at the base of a large baobab tree. A fire was built at the base of the hollow and two bats were stupified by the smoke. One, in the gray color phase, fell into the flames and was so singed the skin could not be saved. The ears and membranes of the other, the type, were somewhat shrivelled. It is likely that the height of the ear in the living bat was greater than the 22 mm recorded, although some allowance was made for the shrivelling of the ear. In any event, the ear was much shorter than that of the *N. thebaica* (35 mm) taken nearby.

This species is named for Mr. Jerry Vinson, the sponsor of the Save River expedition.

Nycteris woodi K. Andersen, 1914

p. 563

A member of the *N. æthiopica* group (see Ann. & Mag. N. H. (8) x. p. 549, Nov. 1912), differing from the other representatives o£ the same group by its much smaller size and relatively longer ears, and from all other forms of the genus by having the fur of the underparts pure white, without any trace of darker bases to the hairs.

Forearm 42.5 mm.; ear from base of inner margin (relaxed) about 29. Skull, total length to front of canine 18.2; condylo-canine length 15.8; maxillary tooth-row (crowns) 6.

Type, skin and skull of an adult, Chilanga, N.W. Rhodesia, 4100', Nov. 1913, presented by R. C. Wood, Esq. B.M. 14.4.22.2.

Nycteris woodi sabiensis Roberts, 1946

p. 304

Differs from *Nycteris woodi* K. Andersen (*Ann. Mag, Nat. Hist.* (8), XIII, 563; 1913: Chilanga, Northern Rhodesia) in its longer ears (33 - 34 mm. as compared with 29) and in colour, having the underparts of body greyish white, browner on the sides, instead of pure white.

Measurements of the type: Head and body 49, tail 49, hind foot c.u. 9; ear 35, Forearm 40.5; 3rd finger metacarpal 33; 1st phalanx 21.5; 2nd phalanx 25; 4th finger metacarpal 35; 5th finger metacarpal 36. Tibia and foot (c.u.) 30.5. Skull, greatest length from canines 18 (in *woodi* 18.2); c-m^3 series 6 (in *woodi* 6).

Type: T.M. No. 8578, adult F, Birchenough Bridge, Southern Rhodesia. Also five others, adult and immature, collected at the same time.

Nycterops Gray, 1866

p. 83

NYCTEROPS. Ears separate, as long as the head. Africa.

N. pilosa

Nycticeius africanus G.M. Allen, 1911

p. 328

Type. - Skin and skull, male, no. 8272, M.C.Z., collected August 11, 1909, on the Meru River, British East Africa, by Glover M. Allen.

General characters.- A typical *Nycticeius*, slightly smaller and much paler than the *N. humeralis* of the southeastern United States, with shorter closer fur. Postcalcaneal lobe well developed.

Description. - Fur of the upper surface of head and body, short and close, about 4 mm. long on the lower part of the back, of a uniform pale wood-brown quite to the bases of the hairs; below cream-buff

p. 329

to the bases of the hairs. The muzzle in front of the eyes is nearly naked.

Wing membranes dark, and attached at the base of the first digit of the foot. Ears pale brownish. Hair of the body does not extend on to the interfemoral membrane. Calcar well developed with a conspicuous, low, rounded lobe at about 3 mm. behind the heel. Tragus with a distinct external basal lobe." Tip of tail free from the interfemoral membrane.

Skull. - The skull of the type is scarcely to be differentiated from that of the American species, *N. humeralis*, except by its slightly smaller size. The upper incisors, however, are set much more nearly at right angles to the long axis of the skull, so that viewed from above they hardly project beyond the premaxillae, whereas in *humeralis* they extend prominently forward.

Measurements. - The following measurements were taken in the flesh: total length, 85 mm.; tail, 35; hind foot, 6.5; tibia, 13; calcar, 17.5; ear, 12; forearm, 33. Third metacarpal, 29.7.

Skull: greatest length, 13.6; basal length, 10; palatal length, 5; interorbital width, 4; zygomatic width, 9.4; mastoid width, 8; upper cheek teeth, front of canine to back of m^3, 4.5; lower cheek teeth, 5.3; mandible, 10.2.

Remarks. - The discovery in East Africa of this genus hitherto known only from the southeastern United States and Cuba is one of the most important and interesting results of our expedition. Mr. Gerrit S. Miller, Jr., who examined the specimen, first called my attention to the fact that it is in all respects a typical *Nycticeius*, agreeing with the American species in all essential characters. The postcalcaneal lobe is well developed in the African but scarcely at all in the American bat, and the incisors of the former are less projecting, but otherwise they differ hardly at all except in color and size.

The single specimen on which this species is based was shot shortly after sunset as it was circling about in an open space among the ivorynut palms by the Meru River. The river here runs through a dry plain, and no doubt the pale coloration, of the species is due to the arid conditions under which it lives.

From a zoögeographic point of view the discovery of this genus in Africa is of extraordinary interest. Its case is somewhat paralleled by that of *Mormopterus* which occurs in Cuba, South America, Africa, and Madagascar. Possibly *Nycticeius* may yet be found to occur in South America.

Nycticejus eriophorus Heuglin, 1877

p. 34

Nycticejus eriophorus, Heugl. - Fitz. u. Heugl. Säugethiere p. 11.

Klein; die Ohrspitze scharf; der äußere Ohrrand bis tief unter den Mundwinkel herablaufend und hier eine scharfe Ecke bilbend; Tragus schmal, lanzettförmig, fast so hoch als die Ohrspitze; 8 bis 9 Gaumenfalten. Behaarung reichlich, lang, eigenthümlich gekräuselt; Oberseite hell erdgrau mit weißlichen Haarspitzen; Unterseite schmutzig weiß, Weichen mehr ins Braungrauliche; Flughaut braunschwärtlich. Körperlänge 1" 6"'. Kopflänge gegen 7"'. Außenrand des Ohres 6"' hoch. Schwanz 1" 3"'. Vorderarm 13"'. Mittelfinger 2" $4^1/_2$"'. Der vierte Finger 1" $11^1/_2$"'. Der fünfte Finger 1" 10"'.

Von dieser Art sammelte ich drei Exemplare im Belegaz-Thal zwischen Semién und Wogara in Abessinien ine. Sie befanden sich im Hängenest einer SperlingS ober WeBervogelart.

Nycticejus flavigaster Heuglin, 1861

p. 14

Supra brunneo-olivaceus, subtus pure sulfurcus; capitis lateribus nitide pistacino tinctis. Unguinibus podii postici virente griseis, apice intense-flava.

Das Ohr ist 7"' hoch, ziemlich breit und gerundet, mit an der Basis wagrecht abgeschnittenem Innenrande und tief herab und nach vorne gezogenem Aussenrande; hier hat letzterer einen halbkreisförmigen Lappen mit umgeschlagenem Rande. Der sichelförmige, $3^3/_4$"' hohe *Tragus* nach vorne gerichtet, mit halbzirkelförmigem Ausschnitt oder Klappe an der Oeffnung des Gehörganges.

p. 15

In der Ohrmuschel 5 - 6 undeutliche Querfalten. Nasenkuppe etwas aufgeworfen, die Nasenlöcher etwas röhrenförmig mündend und nach vorne und seitlich gerichtet; die Unterlippe schwach gespalten; die Gegend zwischen Auge und Nase aufgetricben, breit und stumpf, mit verhältnissmässig gröberen wenigen Haaren besetzt.

Zwei eckzabnartige Schneidezähne an dem Zwischenkiefer. Die vordere Spitze des ersten oberen Backenzahns auch kegelförmig und sehr verlängert.

Das unterste Daumenglied und der Sporn des Hinterfusses haben nach Aussen zu einen Hautrand.

Ohrmuschel schwärzlich-braun, fast nackt, an der Basis des Aussenrandes mit sehr feinen grünlichen Haaren bekleidet. Lippen schwärzlich fleischfarb; Flughaut fast schwarz und an der Innenseite des Oberarms, wie auf verschiedenen Partien der ganzen Innenseite mit feinen grünlich-gelben Härchen. Auffallend sind die licht-grüngelben Nägel der Füsse.

Am Schwänze, in den die Seitenfittige spitz verlaufen, nur das äusserste Glied, sowie eine feine, scheinbar nur aus Hautmasse bestehende Spitze frei. Diese freien Theile messen zusammen nur $2^1/_4$'''. - Körperlänge 2" 10'''. Schwanz 1" 9'''. - Flugweite 13". Ohrenlänge 7'''.

p.14
??

The ear is 7''' long, rather wide and rounded, with an on the base horizontally cut off inner margin and deep down and forwards drawn outer margin; the latter has a semicircular lobe with a turned edge. The sickle shaped, 3 $^3/_4$''' high tragus is pointed forwards, with as semicircular cutting or flap on the opening of the auditory canal.

P. 15
In the pinna there are 5 - 6 unclear ridges. Top of nose slightly raised, the nostrils somewhat pipeshaped ending and forwards and sideways pointed, the lower lip weakly split; the area between eyes and nose vigorous [?], wide and blunt, with proportionally larger fewer hairs.

Two canine like incisors in the middle jaw [actually "between jaw"]. The anterior tip of the first upper molar also cone shaped and extremely elongated.

The lower thumb part and the spur of the feet have on the outside a membrane.

Pinna blackish-brown, almost naked, on the base of the outer margin with very fine greenish hairs covered.

Lips blackish fleshcolour; wing membrane almost black and the inside of the upper arm, like various parts of the entire inner side with fine greenish-yellow small hairs. Remarkable are the light green-yellow nails of the feet.

On the tail, in which the "Seitenfittige" [???] tips develop, is only the extreme vertebra, as well as a fine, apparently consisting of only skin mass, tip free. These free parts together measure only 2 ¼ ''' - Length of body 2" 10'''. Tail 1" 9'''. Wingspan 13". Length of ear: 7'''

[Translated by Victor Van Cakenberghe, 2008]

Nycticejus leucogaster Cretzschmar, 1826

p. 71
Weißbäuchiger Nachtflatterer.

Diagnos. Nycticejus facie nuda; frontis, verticis et corporis supra colore lucide fuscescente, toto gastraco albescente.

Ausmessungen.
Fuß. Zoll, Lin.
Länge von dem Scheitel bis zu dem Schwanz: - 2 2
Länge des Schwanzes: - 1 3
Länge des Kopfes: - - 9
Länge der Ohren: - - 5
Flügelweite: - 10 5

Beschreibung.

Das von Raffinesque aufgestellte Geschlecht *Nycticejus* *) ist eine sehr wohl begründete, durch die Gleichförmigkeit in Schädel- und Zahnbildung aller Arten natürlich sich aufwerfende, vom *Genus vespertilio* zu trennende Gattung. Wir haben daher, um diese Ueberzeugung zu versinnlichen, nächst dem Schädel unseres hier aufgestellten Nyctic. leucog. (unter No. 1.2.) auch den Schädel des Nvctic. novemboracensis (unter No. 3.4.) abbilden lassen, welche in aller Hinsicht von gleicher Beschaffenheit sind. Die Zähne sind *dent. incis.* $^2/_6$. Die oberen 2 liegen dicht an den Eckzähnen, während sie

*) Von … Nacht und … ich tödte. Wir haben ganz willkührlich den Namen Nachtflatterer gewählt, anstatt einer gezwungenen Uebersetzung dieser Geschlectsbezeichnung.

p. 72

stark von Gestalt, nach innen convergiren und durch einen großen leeren Raurn getrennt sind. *Dent. canin* $^{1-1}/_{1-1}$, diese kehren ihre Spitzen nach außen. *Dent. Molares* $^{4-4}/_{4-4}$; diese bestehen aus einem vorderen falschen Backenzahn, so wie drei darauf folgenden normalen, wobei zu bemerken ist, daß der letzte der oberen Kinnlade als ein flacher, schmaler Zahnkörper, beinahe ganz transversal gestellt ist. Der digit. Index hat zwei Phalangen, der digit. medius vier und die übrigen drei. Da übrigens Herr Temminck in seinen *monographies de mammalogie* (siehe pag. 316.) eine umständliche Bearbeitung dieses in die systematische Darstellung der Säugthiere aufgenommenen Geschlechtes angezeigt hat, so haben wir uns nur auf diese wenigen Angaben von demselben beschränken wollen, um den Bemühungen unseres um die Naturgeschichte der Cheiroptern so sehr verdienten Freundes nicht von zugreifen.

Die Gesichtsfläche unseres Nyctic. leucog. ist nackt und fleischfarbig; die Ohren nackt und hellbraun; der Ohrdeckel von hinten nach vorn gerichtet; die Nase ziemlich wulstig, mit seitlichen runden Nasenlöchern. Auf der Stirne, dem Scheitel und dem

ganzen Oberkörper ist das Haar wollig, dicht, bräunlich von Farbe. Der ganze Unterkörper weiß, mit gelblichem Anflug. Die Flügelhäute röthlich braun, so wie die Intercrural-Membran, über welche das Schwanzende etwas hinausragt.

Vaterland. Kordofan.

Aufenthalt. Bewohnt die Höhlen den Adansonia, welche in Kordofan den Namen *Taboldi* führt und wurde am Brunnen Nedger gefunden. Heißt bei den Arabern *Abu Rigeh*.

Nycticejus murino-flavus Heuglin, 1861

p. 15

Similis N. flavigastro, sed minor; supra murino-olivaceus, subtus olivaceo-flavus; dentibus laniariis violascente tinctis.

Diese Art unterscheidet sich ausser durch die in der Diagnose bezeichneten Merkmale noch von *N. flavigaste*r durch viel breitere Nasengegend und etwas kürzere, mit einer stumpfen Spitze versehene Ohren. Ohr- und Zahnbildung ist im übrigen dieselbe. Körperlänge 2" 6'''; Schwanz gegen 2", Flugweite $11^1/_2$", Ohr kaum $6^1/_2$''' hoch. - Der olivengelbe Ton des Unterleibes ist an der Kehle und der Innenseite der Schenkel am intensivsten.

Nur ein Exemplar, ein altes M, bei M'kullu an der abyssinischen Küste eingesammelt, wo wir diese Art übrigens in Gesellschaft von *Dysopes pumilus* öfter zu sehen Gelegenheit hatten.

p. 16

Auffallend ist der olivenbraune und gelbe Ton verschiedener ost- und südafrikanischer Schwirrmäuse, während die asiatischen Arten meist rostbraun oder rostgelb überflogen sind. *Nycticejus leucogaster*, Rüpp. aus Kordofan und dem südlichen Sennaar hat häufig einen gelblichen Anflug, bei *N. Nigrita* von Senegambien fehlt er auch nicht und bei *N. Dingani, N. planirostris* und *N. viridis* ist er vollends deutlich ausgesprochen. Möchte diese Färbung nicht durch äussere Einflüsse entstanden und etwa dem umstande zuzuschreiben sein, dass die Nycticejus-Arten meist hier hohle Bäume bewohnen, deren Holz entweder direct mechanisch färbende Eigenschaften besitzen, oder in welchen durch Verwesungsprocesse Humus-, Humin- oder ähnliche Säuren sich gebildet haben, die bei längerer Berührung, verbunden mit Feuchtigkeit, auf den feinen, sehr wenig Marksubstanz enthaltenden Pelz ähnliche Wirkung zur Folge haben? - Diese letztgenannte Species könnte möglicher Weise mit den vorhergehenden zusammenfallen; ein dieser Tage erlegtes Exemplar von *N. flavigaster* (kleiner und dunkler gefärbt) dürfte vielleicht den üebergang dazu bilden.

p. 15
This species distinguishes itself except by the in the diagnosis mentioned characters also from N. flavigaster by the much wider nose area and the somewhat shorter, ane ears with a blunt tip. Shape of ears and teeth is for the rest identical. Length of body 2" 6''', tail almost 2", wingspan 11 1/2 ", ear hardly 6 ½''' high. - The olive yellow tint of the belly is at the throat and inside of the thigh the most intens.

One single specimen, an adult M near M'kullu on the Abyssinian coast collected, where this species was frenquently observed together with Dysopes pumilus.

p. 16
Remarkable is the olivebrown and yellow tint in several east- and south-african bats, whereas the Asiatic species have primarily redbrown or russet-yellow glares. Nycticejus leucogaster Rüpp. from Kordofan and southern Sennaar has a yellowish spark, in N. Nigrita from Senegambia it isn't lacking either and in N. Dinganii, N. planirostris and N. viridis it is clearly prominent. Could if be possible that this colour is the result of external influences and attributed to circumstances, such as the Nycticejus species live mainly in hollow trees, whose wood has direct mechanical colouring properties, or in which decomposition processes result in humus, humin or similar acids, which as a result of extended contact, linked with humidity, might have such a result on the little marksubstance [???] containing pelage?
[I am not completely sure about the correct translation of this sentence, but my feeling is that Heuglin attributes the yellowish colour to external circumstances, e.g. colouring proporties of the wood directly or of their decay processes] This last mentioned species could possibly be identical to the previous one [=N. flavigaster]; a recently deposited specimens from N. flavigaster (smaller and darker coloured) could possibly be an intermediairy. - Translated by Victor Van Cakenberghe, 2008]

Nycticejus nidicola Kirk, 1865

p. 651

Nycticejus nidicola, sp. nov.

Fur brown; the base of the hairs blackish, beneath yellowish. Ears ovate, acute, with a well-developed rounded process at the front part of the outer or lower edge. Tongue linear lanceolate, acute, rather more than half the length of the ear. Face depressed, bristly. Wings elongate, thin, bald, rather hairy above and below, close to the body; forearm-bone nearly $1\ ^1/_2$ inch long; the thumb compressed, rather elongate, slender, of a single joint. Tail as long as the body. The interfemoral membrane very large, broad, with nearly regular, almost parallel, transverse muscular bands, which are hairy on the upper and lower surface. The spur elongate, strong, nearly as long as the foreleg and foot; the spur and the end of the membrane fringed with short, rather rigid hairs. The legs rather elongate; the lower part of the thigh slender; the shank slender, not quite half the length of the arm-bone; the toes moderate, slender, compressed, covered with short adpressed hairs.

Expanse of wings 10 inches, of forearm-bone 1.5 inch, of foreleg 8 inches, of foot 3 inches, of spur 9 $^{1}/_{2}$ lines.

Shupanga, near the Zambesi.

Four specimens were obtained ; they had taken possession of the nests of Weaver-birds (*Euplectes*). Having accidentally found a pair in one of these hanging nests; others were soon discovered in similar positions near by.

Nycticejus planirostris Peters, 1852

p. 65

Tafel XVII. Fig. 4

N. oliveofuscus, subtus flavidoalbus; auriculis capite tertia parte brevioribus, trago elongato, ensiformi; calcare crure longiore; rostro depressissimo; naribus in labii superioris margine positis.

Longitudo tota 0,120; autibrachii 0,052; caudae 0,055; volatus 0,340.

Habitatio: Africa orientalis, Tette, 17° Lat. Austr.

Die Schnauze ist breit und sehr platt, so dafs die Nasenlöcher ganz am vorderen Rande der Oberlippe ausmünden. Die Ohren sind um ein Drittel kürzer als der Kopf, eiförmig, am hintern Rande flach ausgeschnitten; ihr vorderer Rand bildet unten einen nach hinten vorspringenden Lappen, ihr hinterer Rand setzt sich über die Wange bis 4. Mm, hinter und unter dem Mundwinkel fort; der Tragus ist von sickelförmiger Gestalt, mit seiner Spitze nach vorn gekehrt, und halb so lang wie das Ohr. Die Schleimhaut des Gaumens bildet sieben Querfalten, von denen die beiden ersten grade und ungetheilt sind. Vor der Mitte der Unterlippe tritt die Schleimhaut in Form einer zweilappigen breiten Platte hervor. Der Körper ist dicht behaart, ohne nackte Stellen; die Haare sind an den Seiten der Brust am längsten, 15 Mm. lang. Die Flughäute sind sehr grofs, gehen bis zur Basis der Zehen herab und stehen uber der Lendengegend nur 9 Mm. von einander entfernt; neben den Seiten des Körpers sind sie dicht behaart, sonst auf der Rückenseite nackt; an der Bauchseite dagegen zeigt sich eine leichte wollige Behaarung auf der Halsflughaut, und langs des ganzen Vorderarms bis zum vierten Finger hin. Der Vorderarm reicht, neben dem Körper angelest, eben so weit wie das vordere Ende der Schnauze. Das Mittelhandglied des Daumens wird nach innen nur zur Hälfte, nach dem zweiten Finger hin ganz von der Flughaut umfafst. Die beiden letzten Glieder des Schwanzes. welcher den Unterarm an Länge ubertrifft, treten frei aus der Schenkelflughaut, deren Seiten durch lange Spornen gestützt sind, hervor. Nur das Anfangsviertel der Schenkelflughaut, besonders an der Bauchseite, ist leicht behaart, der übrige Theil nackt.

Die Farbe des alten Männchens ist an der Rückenseite dunkel olivenbraun, an der Bauchseite weifs mit gelblichem Anfluge, und vor dem Schultergelenk befindet sich ein grofser braunlicher Fleck. Die Flughäute und Ohren sind dunkler braun, die Nägel gelblich weifs.

Der Schädel zeigt nichts in seiner Form von anderen Arten dieser Gattung Abweichendes Gebifs $^{3\,2}/_{3\,2}{}^{1}/_{1}{}^{1}/_{4}{}^{1}/_{1}{}^{2\,3}/_{2\,3}$ = 30. Die Backzähne der *Nycticejus* unterscheiden sich in ihrer Gestalt sehr wesentlich von denen der eigentlichen Fledermäuse: die W Form der Schmelzfalte an den oberen Backzähnen ist wegen der Kleinheit des mittleren Winkels sehr undeutlich, so dafs auch statt fünf nur vier Höcker auf der Kaufläche hervorspringen, und die hintere Abtheilung

p. 66

der unteren Backzähne, welche bei den eigentlichen Fledermäusen die breiteste und gröfste ist, bildet hier nur ein schmales Anhängsel, welches kaum ein Drittel des ganzen Zahns ausmacht. Den ersten obern Backzahn mufs man seiner ganzen Bildung nach als Lückenzahn betrachten. Was das übrige Skelet anbelangt, so besteht die Wirbelsäule aus 39 Wirbeln; diese sind 7 Halswirbel, 12 Rückenwirbel, 5 Lendenwirbel, 5 Kreuzbeinwirbel und 10 Schwanzwirbel. Der Kiel des Brustbeins ist sehr niedrig und läuft oben vor dem Manubrium in einen dreieckigen Stachel aus. Das Wadenbein ist vollständig verknöchert.

Die vordere Hälfte der Zunge ist mit kleinen rückwärts gekehrten spitzigen Papillen bedeckt, welche in der Mitte gröfser und zwei- bis dreispitzig sind; auf der hintern Hälfte stehen linsenförmige rundliche Warzen und zwei grofse Papillae vallatae. Der Magen ist bohnenförmig und geht in einen einfachen 95 Mm. langen Darm über, welcher vor seinem Ende sehr erweiter erscheint. Die Leber ist rechts mit einem tiefen Einschnitte versehen, unter welchem hinten die kleine rundliche Gallenblase liegt. Die Milz ist platt, gestreckt, 8 Mm. lang und 2 Mm. breit. Die Nieren sind einfach bohnenförmig, 4, Mm. lang; die linke liegt viel tiefer als die rechte. Die Ruthe ist weich und häutig. Der Kehlkopf hat eine Länge von 5 Mm.; der Schildknorpe ist bandförmig schmal, der Ringknorpel hinten mit einer starken Crista für die Anheftung der Giefsbeckenknorpel versehen. Die Luftröhre ist allenthalben gleich weit und enthält his zum Spaltungsstelle 18 Knorpelringe. Die Lungen bestehen jederseits aus einem einzigen Lappen, die linke Lunge ist wegen des mehr nach links gerichteten Herzens etwas kleiner als die rechte.

Diese Art stammt aus dem Innern des Landes, aus Tette, ungefähr 120 Meilen von der Küste, im 17° Südl. Br.; das einzige Exemplar, ein ausgewachsenes Männchen, wurde im März 1845 im Fluge gefangen.

Mafse in Millimetern.

N. planirostris; N. viridis.
Ganze Länge von der Schnauze bis zur Schwanzspitze: 120; 95
Flugweite: 340; 290
Länge des Kopfes: $22^{1}/_{2}$; 20
Länge des Ohres: 14; 11

Breite des Ohres: 9; 7
Länge des Oberarms: 32; 28
Länge des Vorderarms: 52; 46
Länge des Daumens (Mittelh. 3 1/2, 3. 1.Gl. 4, 4. 2.Gl. 2, 2): 9 1/2; 9
Länge d. 2ten Fingers (Mittelh. 47, 42 1/2. 1.Gl. 5 1/2, 4 1/2): 52 1/2; 47
Länge d. 3ten Fingers (Mittelh. 48 1/2, 43 1/2. 1.Gl. 18, 15. 2.Gl. 10 1/2, 11 1/2. 3.Gl. 7 1/3, 8 1/2): 84 1/3; 78 1/2
Länge d. 4fen Fingers (Mittelh. 46 1/2, 42 1/2. 1.Gl. 14, 11 1/2. 2.Gl. 8, 7 1/2. 3.Gl. 2, 2): 70 1/2; 63 1/2
Länge d. 5ten Fingers (Mittelh. 42, 39. 1.Gl. 8 1/2, 7 1/2. 2.Gl. 5, 5 1/4.• 3.Gl. 2, 2): 70 1/2; 63 1/2
Länge des Oberschenkels: 19; 19
Länge des Unterschenkels: 21; 19

p. 67

Länge des ganzen Fufses: 10 1/2; 11
Länge des Schwanzes: 55; 40
Länge des Sporns: 20 1/2; 18
Länge des Schädels: 19 1/2; 17 1/2
Lange der Wirbelsäule vom Atlas bis zum ersten Schwanzwirbel: 53; 47.

p. 65
???

The snout is wide and very flat, so that the nostrils are opening at the frontal edge of the upper lip. The ears are about one third shorter as the head; egg-shaped, at the posterior edge evenly cut (?), their anterior edge forms at the bottom a lobe pointing to the back, their posterior edge runs over the cheek up to 4 mm behind and under the corner of the mouth: the tragus is sickle-shaped, with its top pointed forward, and half as long as the ear. The mucous membrane of the palate forms seven ridges, of which both first are straight and undivided. In front of the middle of the lower lip, the mucous membrane forms a two-lobed wide plate. The body is densely haired, without naked patches; the hairs are the longest at the sides of breast, 15 mm long. The wing membranes are very large, run to the base of the toes and are in the lumbar region only 9 mm separated from one another; close to the body, they are densely haired, but on the backside they are naked; on the belly side there is a light woolly fur on the neck membrane, and along the entire forearm up to the fourth finger. The forearm, pressed against the body, reaches the top of the snout. The middle hand bone of the thumb is on the inner side up to half and to the second finger completely enclosed in the wing membrane. Both latter vertebra of the tail, which is longer than the forearm, are free of the tail membrane, which sides are supported by long spurs. Only the first quarter of the tail membrane, especially on the belly side, is faintly haired, the remaining part is naked.

The colour of the old male is on the back dark olive brown, on the belly white with a yellowish shine, and in front of the shoulder joint there is a large brownish spot. The wing membrane and the ears are dark brown, the nails are yellowish white.

The shape of the skull is not different from any other species in this genus. Dentition 3 - 2/3 - 2 1/1 1 - 1/4 1/1 2 - 3/2 - 3 = 30. The molars of Nycticejus can be clearly distinguished by their shape from the proper bats: the W form of the enamel of the upper molars is due to the small size of the middle corner very unclear, so that instead of five there are only four bends on the chewing surface,

p. 66
and the posterior part of the lower molar, which is the widest and largest in the proper bats, forms here only a narrow appendage, which barely accounts for one third of the complete tooth. The first upper molar should be considered false molar (?) due to its build. Concerning the remaining skeleton, the spinal column consists of 39 vertebras, which are 7 cervical vertebras, 12 back vertebras, 5 lumbar vertebras, 5 sacral vertebras, and 10 tail vertebras. The keel on the breastbone is very low and ends above in front of the manubrium (?) in a triangular sting. The fibula is completely turned into bone.

The anterior half of the tongue is covered with small backwards turned pointed papillae, which are largest in the middle and have two or three tips; on the posterior half there are lens shaped roundish warts and two large Papillae Vallatae. The stomach is bean shaped and runs into a simple 95 mm long intestine, which before its end seems much widened. The liver has on the right side a deep incision, under which posterior end a small roundish gall-blather is located. The spleen is flat, stretched out, about 8 mm long and 2 mm wide. The kidneys are simple bean shaped, 4 mm long, the left one situated much deeper as the right one. The rod [=penis?] is weak and skin-like (?). The larynx has a length of 5 mm, the thyroid is band shaped narrow, the ringcartilage (?) has at the back a strong crista for attaching the "Giefsbeckenknorpel" [no idea what this is, some sort of cartilage??]. The trachea is everywhere as wide and contains 18 cartilage rings to the split. The lungs have a single lobe on each side, the left lung is due to the left oriented heart slightly smaller than the right one.

This species came from the inside of the country, from Tette, about 120 miles from the coast, at 17° South; the only specimen, a fully grown male, was caught in flight in March 1845

Measurements in mm.

Total length from snout [=:nose] to tailtip: 120; 95
Wingspan: 340; 290
Length of head: 22 1/2; 20
Length of ear: 14; 11
Width of ear: 9; 7
Length of forearm: 32; 28
Length of upper arm: 52; 46
Length of thumb (Meta1, 1ph1, 1ph2): 3 1/2, 3. 1.Gl. 4, 4. 2.Gl. 2, 2): 9 1/2; 9
Length of second finger (Meta2, 2ph1): 47, 42 1/2. 1.Gl. 5 1/2, 4 1/2): 52 1/2; 47

Length of third finger (Meta3, 3ph1, 3ph2, 3ph3): 48 1/2, 43 1/2. 1.Gl. 18, 15. 2.Gl. 10 1/2, 11 1/2. 3.Gl. 7 1/3, 8 1/2): 84 1/3; 78 1/2
Length of fourth finger (Meta4, 4ph1, 4ph2, 4ph3): 46 1/2, 42 1/2. 1.Gl. 14, 11 1/2. 2.Gl. 8, 7 1/2. 3.Gl. 2, 2): 70 1/2; 63 1/2
Length of fifth finger (Meta5, 5ph1, 5ph2, 5ph3): 42, 39. 1.Gl. 8 1/2, 7 1/2. 2.Gl. 5, 5 1/4 3.Gl. 2, 2): 70 1/2; 63 1/2
Length of the upper leg: 19; 19
Length of lower leg [=Tibia]: 21; 19
p. 67
Length of entire foot: 10 1/2; 11
Length of tail: 55; 40
Length of spur [=calcaneum]: 20 1/2; 18
Length of skull: 19 1/2; 17 1/2
Length of the spinal column from Atlas to the first tail vertebra: 53; 47.

[Translated by Victor Van Cakenberghe, 2008]

Nycticejus Schlieffenii Peters, 1859

p. 224

supra rufescens, subtus ex albo rufescens; alis fuscis.

Long. tota 0.075; cap. 0.015; aur. 0.013; tragi 0,005; caudae 0.032; antibr. 0.031; exp. alar, 0.200.

Nycticejus serratus Heuglin, 1877

p. 35.

Ziemlich groß; Kopf schmal und etwas zugespizt. Nasenlöcher klein, durch einen schwachen Spalt getrennt, der oben und unten sich erweitert und in seiner Mitte eine kleine aufgedunsene Membran zeigt; Unterlippe einfach gespalten, jederseits dieser Spalte in ein spitziges Läppchen herabgezogen; unter dem Kinn eine nackte, dreiseitige Vertiefung; Ohr klein, nach hitnten und aufwärts gerichtet, dreiseitig mit abgerundeten Ecken, innen, der Außenranb mit 5 bis 7 Querfalten, am Borderrand 6 bis 7 kerbenarttge Einschnitte; die Lappe an der Wurzer des äußeren Ohrflügels bogig bis gegen den

p. 36

Mundwinkel hin verlaufend; Tragus kürz, platt, oben mit einer rundlichen, blattförmig ausgebreiteten Spitze, Außenrand doppelt, Innenrand einfach eingekerbt; auf ber Kehlmitte ein kahter Fleck.

Im Oberkiefer 2 kleine, im Unterkiefer 2 + 2 ebenfalls kleine unb dreizackige Schneidezähne; die Eckzähne mit deutlichem Löcker an der Basis, also zweitheilig. Der kurze Schwanz theilweise vom Patagium interfemorale eingehüllt, jedoch seine Spitze frei. Zeigefinger eingliedrig, die drei folgenden dreigliedrig.

Olivenbräunlich ins Graue; Unterseite heller olivenbraun-grau; die Behaarung an der Spitze gelblich; Schnauze und äußere Fläche der Flüghäüte rußbraun, die unteren Theile der Spannhaut um die Schenkelgegend sowie der etwas aufgedunsene Seitenrand des Patagium gelblich ins Fleischrötliche; die ganze Innenseite der Spannhaut bläulichgrau bis graugrünlich, nach der Unterhälfte hin mehr ockergelblich genetzt; Ohr sehr wenig behaart; von einer Ohrbasis zur anderen führt ein etwaS obsoletes Halsband über die Kehle, dasselbe ist olivenbräunich, wie der Rücken. Körperlänge stark 3" 5"'. Schwanz 1" 2"'. Vorderarm 2" 6"' bis 2" 7"'. Flugweite fast 16". Ohrhöhe 8"'. Tragus $2^1/_2$"'. Sporn 9"'.

Ein jüngeres, kleineres Exemplar ist obenher dunkler umbra-braun ins Graue, am Unterleib mausgrau; im Ohr 10 bis 11 Falten.

Häufig im sogenannten Scherq el Aqabah, am Araschkol und den benachbarten Granitgebirgen.

p. 35.
Rather larger, head narrow and somewhat pointed. Nostrils small, separated by a faint groove, which above and below widens and has in its middle a small swollen membrane; lower lip wit a single split, on each side of the split with a pointed small lobe; below the chin a naked three-sided depression; ear small, backwards and upwards directed, three-sided with rounded corners, inside the outer margin has 5 to 7 ridges, on the border edge [??] 6 to 7 notchlike incisions; the lobe at the base of the outer earwing curved until near the corner of the mouth

p. 36
Tragus short, flat, open with a roundish, leaf shaped spread tip, outer margin double, inner margin once carved; on the middle of the throat a naked spot.

In the upper jaw 2 small, in the lower jaw 2 + 2 likewise smaller and trilobed incisors; the canines with an obvious humb at their base, also bilobed. The short tail partly enclosed in the interfemoral membrane, but its tip free. Index finger with one member, the three following with three.

Olivebrownish to greyish; lowerside brighter olivebrown-grey; the fur on the Tipps yellowish; snout and outer sides of the wing membrane russetbrown, the lower parts ot the wing membrane in the area of the thighs as well as somewhat swollen edge of the patagium yellowish to fleshreddish; the entire inner side of the wing membrane blueish-grey to greyish-greenish, towards the

lower half more ochre-yellowish netted; ear little furred, from one base of the ear to the other there is a somewhat obsolete collar over the throat, which is the same olivebrownish as the back. Length of body robust 3" 5"', Tail 1" 2"'. Forearm 2" 6"' to 2" 7"'. Wingspan almost 16". Height of ear 8"'. Tragus 2 ½ "'. Spur: 9"'

A young, smaller specimen is above dark umbra-brown to grey, on the belly mouse-grey; in the ear 10 to 11 ridges.

Common in the so-called Scherq el Aqabah, in Araschkol and in the neighbouring Granit mountains.

[Translated by Victor Van Cakenberghe, 2008]

Nycticejus viridis Peters, 1852

p. 67

Tafel XVII. Fig. 2.

N. olivaceoviridis, subtus viridiflavus; auriculis capite dimidio brevioribus, trago elongato; calcare crure breviore.

Longitudo tota 0,095; antibrachii 0,046; caudae 0,040; volatus 0,290.

Habitatio: Africa orientalis, Insula Mossambique, 15° Lat. Austr.

Mit breiter, dicker und wulstiger Schnauze, an deren vorderem Ende über dem Rande der Oberlippe die Nasenlöcher stehen. Die Entfernung der Nasenlöcher ist nicht ganz so grofs wie die Hälfte ihres Abstandes von den Augen. Die Ohren sind halb so lang wie der Kopf, oval, am hintern Rande oben schwach ausgeschnitten, an ihrer äufsern Fläche bis zur Hälfte dicht behaart. Der hintere Ohrrand geht nach vorn in einen Lappen über, der in gleicher Höhe mit dem Mundwinkel, 3 Mm. hinter demselben und durch eine warzenförmige Hervorra.ung von ihm getrennt; endigt. Der vordere Ohrrand endigt mit einem freien Lappen, welcher spitzwinkeling nach hinten vorspringt. Der Tragus ist sichelförmig, am vorderen Rande fast grade und mit seiner Spitze nach vorn und innen gerichtet. Schnauze und Kinn sind nur schwach behaart und mit grofsen warzigen Drüsenhervorregungen versehen. Die Schleimhaut der Unterlippe bildet vorn eine grofse, abgerundet viereckige, freiliegende Platte. Am Gaumen bemerkt man sieben Querfalten der Schleimhaut, von denen die erste grade, die zweite in der Mitte eingeknickt, die beiden folgenden tief V förmig zwischen die getheilte fünfte und sechste eingezogen sind, und die letzte und siebente mit ihrem stumpfen mittleren Winkel nach hinten vorspringt. Die Behaarung läfst am Körper keine Stellen unbedeckt, ist am Rücken, Halse und an den Seiten des Bauches gleich lang, etwas länger als in der Mitte des Bauches. Die Flughäute stehen in der Lendengegend viel weiter, 15 Mm., von einander ab, als bei der vorhergehenden Art, und gehen bis an die Basis der ersten Zehe herab. An der Rückenseite sind sie nackt bis auf den schmalen Saum, welchen die Ausdehnung der Körperbehaarung bedeckt; an der Bauchseite verdeckt langes zerstreutes Haar die Seiten bis zur Gegend zwischen Knie und Ellbogen, und eine noch viel spärlichere Behaarung macht sich an der Halsflughaut und längs des Unterarms bis zum vierten Finger bemerkbar. Das Ende des Vorderarms reicht bis zur Mitte zwischen Auge und Eckzahn. Das Mittelhandglied des Daumens ist nach innen nur zur Hälfte, nach dem zweiten Finger hin ganz von der Flughaut

p. 68

umsäumt. Der Schwanz, welcher kürzer als der Unterarm ist, steckt bis zur Spitze in der Schenkelflughaut, welche nur an ihrer Basis behaart erscheint.

Die Farbe der Rückseite ist ein schönes dunkles Olivengrün; die Haare der Bauchseite sind grünlichgelb. In Weingeist verändern sich diese Farben, so dafs das Grüne weniger hervortritt. Die Flughäute und Ohren sind braunschwarz, die Nägel weifs.

Schädel und Gebifs stimmen aufser einem geringen Gröfsenunterschiede mit der vorigen Art überein, wie aus der Abbildung zu ersehen ist. Die Wirbelsäule besteht aus 7 Halswirbeln, 11 Rückenwirbeln, 4 Lendenwirbeln, 5 Kreuzbeinwirbeln und 9 Schwanzwirbeln, also aus drei, 1 Rücken-, 1 Lnhden- und 1 Schwanzwirbel, weniger als bei der vorigen Art. Die Eingeweide stimmen in ihrem Bau mit der vorigen Art überein, nur sind die Ringe der Luftröhre etwas zahlreicher, indem man deren 24 zählt.

Auch diese Art scheint selten zu sein, da ich nur ein einziges Exemplar, ebenfalls ein altes Männchen, von derselben erhalten habe, welches im Februar 1844 des Abends in einer Wohnung auf der Insel Mossambique gefangen wurde. Der Magen enthielt Skelettheile von Insecten.

Sie unterscheidet sich von der vorigen Art, abgesehen von der Färbung, durch kürzere Ohren, kürzere Spornen und kürzeren Schwanz, durch eine dickere Schnauze, etwas robustere Füfse, weiteren Abstand der Flughäute, viel schmälere Umsäumung der Spornen, und innerlich durch eine geringere Zahl der Wirbel und Rippen.

Scotophilus Dinganii (Smth, *Illustrations of the zoology of South Africa. Mammalia. Tab. 53*), welcher zur Gattung *Nycticejus* zu ziehen ist, scheint mir durch Folgendes von beiden Arten unterschieden zu sein: Die Ohren sind breiter als lang; die Nasenlöcher stehen näher beisammen; die Schnauze und Lippen sind dicker; die Flughäute gehen nur bis an die Fufswurzel herab; die unteren Schneidezähne sind zweilappig, während sie bei den beiden Arten aus Mossambique deutlich dreilappig sind; der Vorderarm ist viel länger, 2 Zoll 3 Linien oder 60 Mm., und die übrigen Mafse stimmen mit keiner von beiden, indem die ganze Länge der von *Nycticejus viridis* entspricht, der Schwanz aber in seiner Länge mit dem von *Nycticejus planirostris* übereinstimmt. Wie sich die Spornen und der innere Bau verhalten, namentlich, was die Zahl der Wirbel anbelangt, darüber gibt weder die Abbildung noch die Beschreibung Auskunft. Vielleicht gehört auch eine von Sundevall mitgetheilte Art von eigentlichen Fledermäusen, *Vesperugo Dinganii* (*Öfversigt af Kongl. Vetenskaps - Akademiens Förhandlingar*. 3. Jahrgang. 1846 pag. 119) hieher, aber ich wage es nicht, anzunehmen, dafs einem so ausgezeichneten Zoologen der Unterschied zwischen dem Bau der Zähne der eigentlichen Fledermäuse und der *Nycticejus* entgangen sei.

Die übrigen bekannten africanischen Arten wird man nicht leicht mit den von mir beschriebenen verwechseln können.

p. 67
Tafel XVII. Fig. 2.

N. olivaceoviridis, subtus viridiflavus; auriculis capite dimidio brevioribus, trago elongato; calcare crure breviore.

Longitudo tota 0,095; antibrachii 0,046; caudae 0,040; volatus 0,290.

Habitatio: Africa orientalis, Insula Mossambique, 15° Lat. Austr.

With wider, thicker, and more swollen snout, on which anterior end the nostrils are located over the edge of the upper lip. The distance between the nostrils is not entirely as large as half the distance between them and the eyes. The ears are half as long as the head, oval, on their posterior edge weakly cut (?), on their outer side up to their halve thickly haired. The posterior ear margin runs to the front in a lobe, which at the same height of the corner of the mouth, 3 mm behind the same and separated from it by a wart-like projection. The anterior ear margin ends with a free lobe, which turns forward with [or possibly "in"] a sharp corner. The tragus is sickle shaped, its anterior margin is almost straight and with its top directed to the front and inwards. Snout and chin are only weakly haired and with a large wart-like glandular projection. The mucous membrane of the lower lip forms a large, rounded four-sided, free-lying plate. In the palate there are seven ridges in the mucous membrane, from which the first almost, the second in the middle bent inwards, both following ones deep V shaped drawn between the split fifth and sixth, and the last and seventh with its blunt middle angle sticking out to the back. The pelage leaves no spot uncovered on the head, and is on the back, neck and sides of the bell evenly long, slightly longer as on the middle of the belly. The wing membranes are in the lumbar region much wider, 15 mm, separated from one another as in the previous species [=Nycticejus planirostris], and run to the base of the first toe. On the back side, they are naked to the very narrow border, which covers the extension of the body, on the belly side long, scattered hairs cover the sides to the area between the knee and the elbow, and an even more scarcer pelage makes itself visible on the neck membrane and along the forearm to the fourth finger. The end of the forearm reaches until the middle between the eye and the canine. The metacarpus of the thumb is on the inner side only until its halve and on the outer side entirely included in the wing membrane.

p. 68
The tail, which is shorter than the forearm, is enclosed until its tip into the tail membrane, which seems only haired on its base.

The colour of the back is a beautiful dark olivegreen; the hairs on the belly side are greenish-yellow. In spirit, these colours change, so that the green is less prominent. The wing membrane and the ears are brownish-black, the nails are white.

Skull and dentition agree with the previous species, except for a small size difference, as can be seen on the picture [I haven't seen any pictures of this]. The spinal column consists of 7 cervical vertebras, 11 back vertebras, 4 lumbar vertebras, 5 sacral vertebras, and 9 tail vertebras, so 1 back, 1 lumbar and 1 tail vertebra less than the previous species. The intestines agree in their build with the previous species, only the rings on the trachea are slightly more numerous, since there are 24.

Also this species seems to be rare, since I have only obtained one specimen, also an old male, from the same, which in February 1844 was captured in the evening in a house on Mozambique islands. In its stomach, there were skeletal parts of insects.

This species distinguished itself from the previous species, besides its colour, by the shorter ears, shorter spurs and shorter tail, by a thicker snout, somewhat more robust feet, larger distance of the wing membrane, much narrower edging of the spurs, and on the inside by the lower number of vertebras and ribs.

Scotophilus Dinganii (Smth, Illustrations of the zoology of South Africa. Mammalia. Tab. 53), which can be assigned to the genus Nycticejus, seems to be separated from these two species by the following: the ears are wider as long; the nostrils are closer together, the snout and lips are thicker, the wing membranes end at the base of the feet, the lower incisors are bicuspid, whereas they are in both species from Mozambique clearly tricuspid, the forearm is much longer 2 inches, 3 lines or 60 mm, and the other measurements do not agree with any of the other species, the total length agrees with the one of Nycticejus viridis [??? at least this is what I understood here ???], the tail however agrees with that of Nycticejus planirostris. How the spurs and internal built correspond, more specifically the number of vertebras, can not be determined from the picture nor the description. Possibly a species of proper bats reported by Sundevall, Vesperugo Dinganii (Öfversigt af Kongl. Vetenskaps - Akademiens Förhandlingar. 3. Jahrgang. 1846 pag. 119) might belong here, but I do not dare to accept that a so eminent zoologist might have missed the difference in the built of the teeth of the proper bats and Nycticejus.

The other known African species will hardly be confused with both described by me.

[Translated by Victor Van Cakenberghe, 2008]

Nyctinomia Fleming, 1822

p. 178

Nyctinomia. Four incisors in the lower jaw. Upper lip deeply notched.

Nyctinomus E. Geoffroy Saint-Hilaire, 1818

p. 114

NYCTINOME. *Nyctinomus*.

Dents incisives $^{2}_{4}$; canines $^{1}_{1}$; molaires $^{4}_{5}$-$^{4}_{5}$

Nez confondu avec les lèvres; celles-ci largement -et profondément fendues.
Oreilles grandes, réunies et couchées sur la face; oreillon extérieur.
Membrane interfémorale moyenne et saillante.
Queue longue, à demi enveloppée, et libre au-delà.

OBS. Les espèces de ce genre sont le nyctinome d'Égypte, celui du Bengale, et le nyctinome de Bourbon.

Nyctinomus (Dysopes) ventralis Heuglin, 1861

p. 11

Vellere brevi, sericato, brunneo-rufo, subtus pallidiore; stria ventrali, lata, mediana, conspicua rubente-flava; fibrissis faciei obscure brunneis; fascia lata subbrachiali villosa pallide fulvescente; pilis digitorum (ciliis) podarii setosis, valde elongatis et unguines ex parte superantibus.

Nasenlöcher rüsselartig aufgetrieben, nach vorne durch eine schmale aber sehr deutlich ausgesprochene Leiste geschieden. Oberlippenrand hängend und faltig; auch das nicht sehr kleine Auge in einer langen, fast unter dem Ohre

p. 12

versteckten Querfalte, in welch letzterer vor dem Auge hin sich auch eine scharfe thränengrubenähnliche Furche befindet. Unterlippe ganzrandig, durch eine Querfurehe vom Kinn geschieden, an dessen Seiten zwei kurze Falten der Länge nach herablaufen. Gesicht im allgemeinen rauh und unbehaart, nur über der Nase bis zwischen den Ohren und um die Oberlippe stehen bürstenartige Haare, aus denen einzelne, theils über 2‴ lange Barthaare sprossen.

Die rundlichen breiten Ohren auf der Stirn durch eine niedrige, kurze Hautfalte verbunden und mit ihrem Aussenrande die Mundspalte fast erreichend; der genannte Rand an seiner Basis mit nach oben gerichtetem halbrundem Lappen; *Tragus* länglich-oval, niedrig, etwas tief in den Grund der Ohrmuschel herabgerückt, dort ebenfalls mit einem zum Verschlusse des Gehörgangs geeigneten Lappen. 8 - 12 Querfalten in der Ohrmuschel; die der faltigen Partie gegenüberstehende innere Längshälfte der Muschel innen gänzlich bis gegen den Rand, aussen mit einem schmäleren Streifen von Haaren bedeckt.

Gaumen mit 7 in ihrer Mitte getheilten Querfalten. Schneidezähne $^{1}/_{2}$, die oberen zwei ziemlich eng stehend und eckzahnartig verlängert, die unteren vier sehr klein und oben schaufelförmig und mit je einer Kerbe versehen. Obere Eckzähne normal, die unteren an der Basis der Krone je gegen den zunächst gelegenen Schneidezahn hin mit zackenförmig erweitertem Zahnkranz, so dass zwischen Schneide - und Eckzahn ein dritter abnormer Zahn zu stehen scheint. Der Zeigfinger besteht nur aus einer Phalange. Flughaut den Vorderfuss am Handgelenke umschliessend, letzteres mit kräftigem *Calcaneus*, der an seiner Basis nach aussen einen der Spitze zu immer schmäler werdenden Hautrand und eine Andeutung von nagelartiger Verlängerung hat. Zehenseiten und Nägelglieder mit weissen langen, halbrund gebogenen bürstenartigen, bis zu 2" langen Haaren besetzt. Das *Patagium interfemorale* sehr faltig und dehnbar, etwa $^{1}/_{3}$ des dicken, faltigen Schwanzes erreichend, von welcher Vereinigung aus sie die Spitze als Scheide einschliesst. Genannte Scheide sehr muskulös und sie kann an der Schwanzrübe weit auf- und abgeschoben werden.

Pelz kurz und sammtartig, ein 3‴- 5‴ breiter Streif von Behaarung zieht sich auf der Innenseite der Flughaut längs des ganzen Oberarms hin.

p. 13

Länge des Körpers: 3" 6‴
. . . . . Schwanzes: 1" 11‴
Tolallänge: 5" 7‴
Flugweite: $15^{1}/_{2}$‴
Antibrachium: 2" 6‴
Ohr hoch: 9‴
Kopflänge: 1" 1‴.

Nyctinomus (Nyctinomus) tongaënsis Wettstein, 1916

p. 192

Aschgraue, mittelgroße Art, dem *N. aegyptiacus* Geoffr. am nächsten stehend, aber etwas größer. M mit Kehlsack, Ohren nicht durch ein Band verbunden, aber am Grunde zusammenhängend. Ohrmuschel sehr groß mit starkem Kiel, in ausgebreitetem Zustande ungefähr quadratisch, mit schwach konvexem Innenrande. breit abgerundetem Ende und zuerst geradem, dann stark konvexem Außenrand. Antitragus triangulär, oben stark abgerundet, durch einen tiefen Einschnitt vom Ohrrande getrennt. Tragus klein, breit und stumpf abgerundet, ungefähr rechteckig, Innenrand sehr stark konvex, Außenrand fast gerade. Oberlippe stark wulstig mit fünf bis sieben deutlichen Furchen. Oberseite hell aschgrau, das einzelne Haar dunkel "drab-gray", am Grunde

lichter, mit hellgrauer ("10. Gray") Spitze, Unterseite der Oberseite ähnlich, aber die Haarspitzen weißlich und der "drab"-farbige Ton lichter. Ein breiter Haarstreif auf der Unterseite der Flughaut entlang den Körperseiten graubräunlich-weiß, Kopf und Körp. 73 und 71, Schwarz 44 und 42.5. Unterarm 52 und 51, Ohrhöhe 23 und 22, Ohrbr. a. d. Basis 19 und 18, Traguslg. 6 mm.

Typen 2 MM, Tonga am oberen Weißen Nil, 16.IV.1914

Nyctinomus [(Mormopterus)] albiventer Dobson, 1877

p.733

Inc. $^{2}/_{6}$; Pm. $^{1-1}/_{2-2}$. Ears separate, tragus triangular.

(Subgen. *Mormopterus*, Peters.)

20. *Nyctinomus albiventer*, n. sp.

Ears triangular, shorter than the head, inner margins arising from distinct points of origin from the forehead; inner margin of the ear-conch almost straight, slightly concave in upper third, tip rounded off, outer margin straight; antitragus scarcely defined, separated posteriorly by a very shallow notch; tragus nearly as broad opposite the base of its inner margin as high, irregularly triangular, rounded off above, very similar in shape to that of *N. norfolcensis*, but less triangular and broader above, an obtuse projection about the middle of its outer margin. Extremity of the muzzle projecting very much beyond the mandible, the end of the nose very prominent and distinct from the upper lip, nostrils opening almost laterally. Sides of the upper lip with vertical grooves not well defined. Gular sac small.

Wings from the lower third of the tibiæ or from the ankles; fifth toe somewhat smaller than the first.

Dentition similar to that of *N. acetabulosus* (to be described), but the lower incisors are not crowded.

Fur, above, white at the base, the remaining part dark brown; beneath, the greater part of the chest and abdomen dirty white, the sides brown. Wing- and interfemoral membrane nearly naked; a narrow band of fur extends outwards behind the forearm and along the proximal third of the fifth metacarpal bone.

Length (of an adult ♀, the type): head and body 2"2; tail 1"25, tail free from membrane 0"7; head 0"85; ear 0"65, tragus 0"15; forearm 1"45; thumb 0"35; second finger - metacarp. 1"4, 1st ph. 0"55, 2nd ph. 0"35; third finger - metacarp. 1"4, 1st ph. 0"5, 2nd ph. 0"35; fourth finger - metacarp. 0"9, 1st ph. 0"35, 2nd ph. 0"15; tibia 0"4; foot and claws 0"3.

Hab. Madagascar.

Type in the British Museum.

Nyctinomus africanus Dobson, 1876

p. 348

Nyctinomus africanus n. sp.

Upper lip smooth, without vertical wrinkles. Ears from perfectly distinct points of origin though close together, their inner margins arising from the upper surface of the muzzle, though not so near the extremity of the muzzle as *N. Cestonii*; tragus somewhat similar to that of *N. Cestonii*, but longer, and the upper margin quite evenly rounded off; antitragus quadrilateral, the shortest side in front, the upper margin slightly concave.

Fur bright orange-chestnut above and beneath.

Incisors $^{2}/_{4}$; the lower incisors not crowded: premolars $^{2-2}/_{2-2}$; the first upper premolar very short and blunt, its base occupying the whole space between the canine and second premolar.

Length (of an adult male) 3.6 inches; tail 2.2; ear 1; tragus 0.3; forearm 2.5; thumb 0.4; second finger - metacarpal bone 2.4, first phalanx 1.1, second phalanx 1.3; fourth finger 2.4; tibia 0.75; foot and claws 0.45.

This species resembles *N. midas*, from North Africa, in size and in general appearance. The large tragus, however, at once distinguishes it from that species.

Hab. South Africa (Transvaal Republic). Type in the collection of the British Museum, presented by R. B. Sharpe, Esq.

Nyctinomus aloysii-sabaudiae Festa, 1907

p. 1

NYCTINOMUS ALOYSII-SABAUDIAE, nov. spec.

(diagnosi preventiva)

Orecchie grandi, arrotondate, riunite alla base del loro margine-interno da una spessa fascia cutanea, formante sulla sua parte anteriore una protuberanza carnosa, sulla parte anteriore della quale nascono radi peli setolosi. La carena interna è elevata, coll'orlo superiore ingrossato nella parte inferiore, e gradatamente assottigliantesi nella sua parte superiore.

L'antitrago è piuttosto alto, largo alla base, col margine interno obliquo e quasi rettilineo, col margine superiore leggermente convesso.

Il trago è assai piccolo, rivolto allo innanzi, col margine interno un po' concavo, e l'esterno convesso.

Il muso è troncato obliquamente. Il labbro superiore è molto ampio, solcato da profonde rughe, delle quali quelle sulla parte anteriore del labbro stesso sono leggermente oblique allo indietro, e quelle sulla parte posteriore, leggermente oblique allo innanzi.

La membrana alare è inserita alla metà della tibia sul lato anteriore; l'uropatagio comincia alla parte posteriore della tibia un po' al disotto del punto, dove è inserita la membrana alare.

La coda è compresa nell'uropatagio per un quarco circa della sua lunghezza.

p. 2

Il calcaneo è breve.

Il pelame è di colore castagno chiaro (*Russet* del Ridgway (*)) colla base dei peli di color fulvo chiaro.

Denti: Incis. $^{1}/_{2}$, Can. $^{1}/_{1}$, Premol. $^{2}/_{2}$, Mol. $^{3}/_{3}$.

Il cranio è mediocremente allungato. Il 1° premolare superiore è molto piccolo, situato nella linea dentale, in contiguità del canino. Gli incisivi inferiori sono bilobati. I canini hanno le basi vicine, più alte degli incisivi.

Le dimensioni dell'esemplare tipo della specie, una femmina di Toro sono le seguenti:

Lunghezza del capo e del corpo: mm. 69
" del capo: " 27
" dell'avambraccio: " 51
" della tibia: " 18
" della coda: " 42
" della porzione libera della coda: " 31.5
" delle orecchie, dall'intaccatura dell'antitrago all'apice: " 18
" del trago, dalla base del margine interno all'apice: " 2

p. 1

NYCTINOMUS ALOYSII-SABAUDIAE, nov. spec.

(preliminary diagnosis)

Ears large, rounded, join together at the base of their inner margin by a thick cutaneous band, forming on its front a fleshy protuberance, on the front of which grow sparse bristly hairs. The internal keel is elevated, with the upper edge enlarged in the lower part, and gradually tapered into its upper part.

The antitragus is rather tall, broad at the base, with an oblique and almost rectilinear internal margin, with a slightly convex upper margin.

The tragus is very small, facing forward, with a slightly concave inner margin, and a convex exterior.

The snout is obliquely truncated. The upper lip is very broad, furrowed by deep wrinkles, of which those on the front of the lip itself are slightly oblique to the back, and those on the back, slightly oblique to the front.

The wing membrane is inserted in the middle of the tibia on the front side; the uropatagium begins at the back of the tibia a little below the point, where the wing membrane is inserted.

The tail is included in the uropatagium for about a quarter of its length.

p. 2

The calcar is short.

The hair is light chestnut (*Russet* of the Ridgway (*)) with a light tawny hair base.

Teeth: Incis. $^{1}/_{2}$, Can. $^{1}/_{1}$, Premol. $^{2}/_{2}$, Mol. $^{3}/_{3}$.

The skull is slightly elongated. The 1st upper premolar is very small, located in the dental line, in proximity of the canine. The lower incisors are bilobed. The canines have bases close to each other, higher than the incisors.

The dimensions of the typical specimen of the species, a female from Toro are the following:

Length of head and body: mm. 69
" of the head: " 27
" of the forearm: " 51
" of the tibia: " 18
" of the tail: " 42
" of the free portion of the tail: " 31.5
" of the ears, from the indentation of the antitragus to the apex: " 18
" of the tragus, from the base of the internal margin to the apex: " 2

Nyctinomus Anchietæ Seabra, 1900

p. 82

a, b. MF, Quibula, Angola, 1891. Anchieta; (alc. coll. d'Afr.).

c, d. MM, Galanga, Angola, 1893; Anchieta; (alc. coll. d'Afr.).

A presente especie foi ainda vista e estudada pelo professor Barboza du Bocage. Infelizmente, n'essa occasião, já a falta de vista principiava a difficultar sobremaneira os seus trabalhos de observação, e os preciosos apontamentos contendo a diagnose original d'esta nova especie extraviaram-se parece que de vez.

Procuraremos pela nossa parte evidenciar quanto possivel os seus caracteres, conservando-lhe a denominaçao especifica com a qual o illustre Professor a havia já determinado em homenagem a esse inolvidavel naturalista, a quem o Museu deve por assim dizer todas as riquezas que possue da nossa África occidental.

Descripção: - Orelhas separadas, muito redondas e bem desenvolvidas; anti-tragus elevado, carnoso e ovoide, separado da orelha por um sulco bem distincío; tragus mediocremente desenvolvido, um pouco anguloso; labio superior pouco rugoso proximo da commissura, mas profundamente nas proximidades das narinas; estas salientes; sacco gular indistincto; membrana da aza partindo do terço inferior da ítbia. O pello não muito abundante, curto, pardo escuro, ligeiramente mais claro e acinzentado no ventre, e amarellado no rebordo superior e anterior das orelhas. Membrana ante-brachial muitissimo curte, inerme pela parte inferior, coberta de curta e sedosa pubescencia pela parte superior; a inter-femoral, que é sustentada pelas fortes apophyses cartiliginosas do calcaneum, inerme pela parte superior, e apenas com alguns raros pellos proximo da cauda pela parte inferior; aquella que se estende dos membros anteriores e posteriores coberta em toda a volta do corpo pela parte inferior por uma larga faixa de pelles bastantes longos e um pouco mais claros que os do ventre. Estes pellos cobrem a região articular do autebraço bem como a do femur.

As membranas são bastante amplas e conservam approximadamente a côr geral do pello.

Os pés notavelmente guarnecidos de longos pello acinzentados.

Dentição: in. $^{1}/_{2}$ c. $^{1}/_{1}$ pm. $^{2}/_{2}$ m. $^{3}/_{3}$. Maxilla superior: incisivos mediocremente desonvolvidos, um pouco recurvados; caninos longos e quasi direitos; primeiro premolar pequenissimo, um pouco interior

p. 83

á linha normal e ao meio do espaço deixado entre o canino e segundo premolar, que ó beni desenvolvido; molares normaes. Maxilía inferior: incisivos biíobados; caninos bem desenvolvidos; primeiro premolar curto; segundo e molares normaes.

Paladar concordando com o typo do genero já exposto.

Dimensões: cabeça e corpo 70 mili.; cauda 40; parte livre 21; cabeça 24; orelha 19 (da base do anti-tragus á orla superior); tragus 5 X 2.3; ante-braço 51; pollegar 6; terceiro dedo: metacarpo 50; primeira phalange 20; segunda 24; quarto dedo: metacarpo 46; primeira phalange 17; segunda 10; quinto dedo: metacarpo 27; primeira phalange 14; segunda 7; tibia 17; pe 7.5.

Os doís exemplares de Galanga são de côr mais escura do que aquelles que vimos de descrever.

p. 82

The species presented was seen and studied by Professor Barboza du Bocage. Unfortunately, on this occasion, his lack of sight was beginning to greatly affect his observation work, and the precious notes containing the original diagnosis of this new species seems to have gone astray.

We searched on our part for as much evidence as possible for his/their characters, saving the names which the Professor had given in honour of this unforgettable naturalist, to whom the Museum must say all the riches that our Occidental Africa possess.

Description: Separated ears, rounded and well developed; high anti-tragus, fleshy and ovoid, separated from the ear by a distinct groove; underdeveloped tragus, slightly angular; upper lip slightly wrinkled near the commissura, but deep near the nostrils; protruding; distinguished gular pouch; wing membrane starting from the bottom third of the tibia. There is not an abundance of hair, it is short, dark brown in colour, lighter grey colour towards the belly, and yellowish by the upper edge and above the ears.

Anti-brachial membrane is very short, largely at the bottom, covered in short and silky pubescence hair on the top; the inter-femur, that is supported by the strong cartilaginous apophyses of the calcaneum, largely on the top part, and with a few rare hairs near the bottom part of the tail; those extending from the anterior and posterior of the membranes covers around the whole back of the body from the bottom with a range of long hairs and a little lighter than those of the belly. These hairs cover the joint region of the forearm as well as the femur.

The wing membranes are very large and are approximately the same colour as the hair.

The feet are notably trimmed with long grey hair.

Dentition: in. $^{1}/_{2}$ c. $^{1}/_{1}$ pm. $^{2}/_{2}$ m. $^{3}/_{3}$. Maxilla superior: poorly developed incisors, slightly curved; long and relatively straight canines; small first premolar, slightly inward.

The normal line goes until the middle of the space left between the canine and the second premolar, which is well developed; normal molars. Inferior maxilla: incisors are bi-lobed; canines well developed; first premolar is short; second premolar and molars are normal.

The palate corresponds with the general type already stated.

Measurements: head and body 70 mili.; tail 40; free part 21; head 24; ear 19 (from the base of the anti-tragus to the superior oral); tragus 5 x 2.3; forearm 51; thumb 6; third finger: metacarpal 50; first phalange 20, second 24; fourth finger: metacarpal 46; first phalange 17; second 10; fifth finger: metacarpal 27; first phalange 14; second 7; tibia 17; foot 7.5.

The two examples from Galanga are a darker colour than those we've been describing.

Nyctinomus angolensis Peters, 1870

p. 124

Nyctinomus angolensis. Nov. sp.

N. supra ferrugineus, subtus palliclior,. ventre médio ferrugineo-albus; patagio lumbari subtus pilorum stria alborum, a corporis vellere spatio calvo sejuncta, vestito; auriculis connatis, trago angulato minuto, antitrago quadrangulari-rotundato ; pollice disco nudo magno; digitis posticis setosis; incisivis superioribus approximatis; proemolari primo superiore externo mimitissimo.

Long. tota 0^{m},1200
" capitis 0^{m},0280
Alt. auris 0^{m},0150
Lat. " 0^{m},0135
Long. tragi , 0^{m},0015
" caudae 0^{m},0450
" humeri 0^{m},0305
" antibrachii 0^{m},0480
" digitl. (mtc. 0,0040; ph. 1.0,0050; ph. 2. 0,0045) 0^{m},0135
" " 2. (" 0,0445; " 0,0020) 0^{m},0465
" " 3. (" 0,0470; " 0,0220; ph. 2. 0,0217; cart. 0,0110) ... 0^{m},1017
" " 4. (" 0,0450; " 0,0175; " 0,0160; " 0,0023) ... 0^{m},0808
" " 5. (" 0,0310; " 0,0140; " 0,0055; " 0,0020) ... 0^{m},0525
" femoris 0^{m},0170
" tibiae 0^{m},0150
" plantae c. ung 0^{m},0125

Mas adultus ex Angola. (Toulson)

Nyctinomus ansorgei Thomas, 1913

p. 318

Allied to *N. cisturus*, Thos., with which alone it shares a somewhat *Chærephon*-like shape of skull combined with typical *Nyctinomus* m^{3} and premaxillæ.

Size about as in *N. cisturus*; distribution of fur as in that species, except that the tail and interfemoral are less hairy; a partly naked patch on the crown behind the junction of the ears, and another across the nape just in front of the shoulders. General colour above dark chocolate-brown, the tips of the hairs paler. Below, succeeding the naked chin, the throat is blackish brown, considerably darker than any other part of the animal, and suggesting the blackish beard of certain species of *Taphozous*; chest and belly lighter brown, the tips markedly lighter than the bases, but not anywhere white. Ears of medium size, rounded; basal keel not specially thickened; antitragus triangular, rounded above, about half as high as long, separated behind by a deep notch. Tragus small, subquadrangular, very different from the triangular pointed tragus of *N. cisturus*. Tail apparently without special glands.

Skull on the whole very similar to that of *N. cisturus*, but rather larger throughout; upper profile not so convex in the frontal region. Teeth as in *cisturus*; anterior upper premolar in the tooth-row, not crowded, but just filling up the space between the canine and p^4. Lower incisors 4. Anterior lower premolar broader than the posterior.

Dimensions of the type (the italicised measurements taken in the flesh): -

Forearm 47 mm.

Head and body 70; tail 32; ear 19; tragus (dry) 1.5; third finger, metacarpus 46, first phalanx 18.6, second phalanx 19; fifth finger, metacarpus 28.

Skull: greatest length 19.2; zygomatic breadth 11.4; interorbital breadth 4.2; mastoid breadth 10.7; front of canine to back of m^3 7.4.

Hab. Malange, North Angola. Alt. 1150 m.

Type. Adult male. B.M. no. 10.4.8.4. Original number 5. Collected 17th February, 1908, by Dr. W. J. Ansorge.

The Angolan species described by Sr. de Seabra all have the low skull of typical *Nyctinomus, N. cisturus* being the only known species combining a high skull with the complete m^3 and divided premaxillæ which distinguish *Nyctinomus* from *Chærephon* and *Mops*. From *N. cisturus* the

p. 319

new species is readily recognizable by its dark beard and non-glandular tail.

Nyctinomus Bemmeleni Jentink, 1879

p. 125

Nyctinomus Bemmeleni , n. sp.

Dentition, Inc. $^{2}/_{4}$, c. $^{1-1}/_{1-1}$, p. m. $^{2-2}/_{2-2}$, m. $^{3-3}/_{3-3}$.

At a glance this species is distinguished from all the other species of the genus *Nyctinomus* by the length of the metacarpal bone of the third and the fourth finger, by the peculiar manner in which the interfemoral membrane and the wings are attached to the tibiae , and by the very long end of the tail free from the membrane.

Muzzle as in the other species; upper lip very expansible and thick, deeply grooved by vertical wrinkles.

Ears united by a low band in front, but connected by the bases of their inner margin, which form a sharp angle. Earconch triangular, rounded towards the tip, the inner and outer margins being oval. Tragus also triangular, very small. Antitragus well developed, broad, obtusely rounded towards the top, with a large base, separated from the earconch by a very deep notch.

The female possesses no gular sac.

p. 126

In the other species of the genus *Nyctinomus* the forearm always exceeds in length the metacarpal bone of the third and the fourth finger: in our species, however, the case is just the contrary, for the metacarpal bone of the third finger exceeds the forearm and that of the fourth finger equals the forearm in length.

Comparatively the tail is not longer than in the other species, but its part included in the interfemoral membrane is particularly short and therefore the free end of the tail is extraordinarily long.

In the other species of this genus according to rule the wings are attached to the outside of the tibiae or ankles, and the interfemorale membrane to the inside. Now in the species in question the wings and the interfemoral membrane proceed from the same point, to be found on the middle of the tibia just between the out and inside.

The thumbs, the first and the fifth toe are very thick; especially the latter, and further the other toes are ornated with long rigid, white colored, overhanging hairs - as commonly in the other species of this genus.

Fur dark smoke-brown above, yellowish brown beneath. Ears, wings and tail colored as the back.

Upper incisors well developed, close together, separated from the canines by a rather large interval. Lower ones very little, bifid, crowded. First upper premolar very small, acute, not filling up the space between the canine and second premolar: first lower premolar about half the size of the second premolar.

Type in the Leyden Museum.

Measures of the single specimen, being a female, preserved in alcohol.

Head and body: 54

Tail: 35
Tail free from membrane: 26
Ear: 15

p. 127

Tragus: 2 X 2
Antitragus= 3.5 X 5
Forearm: 41
Third finger-metacarp: 42
" " 1st phal.: 18
" " 2nd " : 16.5
" " 3rd " : 8
Fourth finger-metacarp: 41
" " 1st phal.: 14
" " 2nd " : 11.5
Fifth finger-metacarp: 24
" " 1st phal: 12
" " 2nd " : 5
Tibia: 14
Foot with claws: 11

Hab. Liberia.

Mr. A. A. van Bemmelen, Director of the Zoological Gardens at Rotterdam has been so kind as to present this curious Bat to the Leyden Museum: I therefore propose to name it in honor of its donor.

Nyctinomus bivittatus Heuglin, 1861

p. 13

Medius, auriculis apice vix rectangulare, fronte connatis; trago acuminato brevissimo; taenia frontale aures conjungente distinctissima, medio plica antice producta (projectione W-forme) - calcaneo indistincto, patagio interfemorale et lumbare circumdato; pollice intus disco orbiculare instructo; parte basale ($^1/_4$) caudae patagio vestita, antice pilis rigidiusculis. - Dent incis. Utrinque $^1/_2$, supra obtusis, subtus bi-cuspidibus minimis; caninis inferioribus apice vix cestiforme simpliciter incisa; molaribus utrinque duabus incurrentibus mandibulae. - Corpore supra obscure umbrino; pectore paulo pallidiore; abdomine fulvescente, regione femorale ferrugineo-ventre medio griseo indutis; vittis duabus occipitalibus albis; humeris, pectoris lateribus et regione subauriculare delicate albido stictis; labio maxillare, auriculis et patagio nigricantibus, mandibula pallidiore, vix carnicolore, nuda.

Dieser weitläufigen Diagnose habe ich beizufügen, dass die mittelgrossen Ohren 6 - 7 deutliche Querfalten zeigen; der Gaumen deren 5, und eine sechste minder entschiedene. Der sehr kurze, weit hinabgerückte *Tragus* mit seitwärts und nach aussen gebogener Spitze. Nasenlöcher wenig röhrenförmig aufgesetzt, seitlich geöffnet, durch eine kleine behaarte Furche getrennt. Die Lippen sehr faltig, die obere am Rande gekerbt; der Unterkiefer fast kahl und fleischfarb, weit zurücktretend, im Kinn mit rundlicher Vertiefung. Obere Eckzähne mit erhabenem Kronrande und einer die Spitze nicht erreichenden Furche auf der Vorderseite, die unteren mit starkem Höcker gegen die Schneidezähne hin und sie, an Grosse weil überragend. Im Unterkiefer kann ich 2 falsche Backen-

p. 14

zähne unterscheiden. Am Fusse reicht die Flughaut bis unter die Mitte der *Tibia*, der Schwanz fast zu $^3/_4$ frei, innen, so weit er im *Patagium interfemorale* steckt, wenig aber rauh behaart: letzteres ist heller als die übrige Flughaut, ins Bläulich-fleischfarbe spielend, innen dicht mit weisslichen Hautwärzchen besetzt; die Zehen mit borstigen Haaren auf dem Nagelgliede und Hände der innersten und äussersten. Die Flughaut in den Winkeln, die der Oberarm an seiner Basis mit ihr bildet, behaart. Auf der Vorder- und Hinterseite des Ohres etwa parallel mit seinem Innenrande ein behaarter Streif, der namentlich auf der Rückseite sehr deutlich ist und nach der Basis zu breiter wird. Am Daumenballen eine runde, etwas erhabene hornige Platte oder Scheibe. Occiput, Rücken, Kehle und Halsseiten umbrabraun, die beiden letzferen etwas heller; Unterleib bräunlich-grau, nach den Seiten etwas rost-röthlich angeflogen. Hinter der Ohrbasis längs des Ober- und Hinterkopfes jederseits ein schmaler, weisser Streif; Schultern, Brustseiten und Kehlmitte, sowie die untere Basis des Ohres fein weissgescheckt. Ganze Länge des alten M 4", davon kommen auf den Schwanz 1" 5"'; Ohr 8"' hoch, Vorderarm 1" 10"', Flugweite $12^1/_2$". Das F ziemlich schwächer. Ein jüngeres M ist auf der Oberseite mehr dunkel-rothlich-braun, die weissen Streifen an den Occiputseiten weniger deutlich entwickelt. Die unteren Eckzähne spitziger und an der Spitze selbst noch nicht gekerbt.

Diese Art trafen wir unfern Kérén mit einbrechender Dämmerung zuweilen zu 3 - 4 Individuen längs Regenbeeten und Hochbäumen hinziehend.

Nyctinomus Bocagei Seabra, 1900

p. 84

5 M, 1 F ad., Galanga, Angola. Anchieta; (alc. coll. d'Afr.).

Um grande numero de particularidades que procuraremos evidenciar distinguem esta especie de todas aquellas que temos observado e de que conhecemos a descripção. As orelhas obedecerem ainda aos caracteres do grupo das especies até aquí citadas e descriptas: separadas nas suas bases, opacas, com um engrossamento na sua base proximo da orla esterna, occupando o terço inferior d'esta e separada do anti-íragus por um profundo sulco. São bem desenvolvidas, de forma um pouco irregular, angulosas e guarnecidas anteriormente por uma serie rnuiío pronunciada d'aquellas lacineas tegumentares cuja ausencia citámos para, auxiliar a distincção do *Nyctinomus brunneus*. Anti-tragus pequeno, semi-ovoide como nas outras especiies; tragus quadrado e mais estreito. As rugas anteriores dos labios profundissimas, particularmente as duas medianas; as narinas salientes; sacco gular indistincto. Pello abundante, mesmo sobre as orelhas, que cobre em grande parte; pardo escuro sobre o dorso, pouco amarellado, e, segundo a re-

p. 85

gra, mais claro na região ventral. A sua distribuição sobre as membranas é semelhante áquella que temos observado nas outras especies, sómente é mais escasso na ante-brachial superior, nullo pela parte inferior d'esta, contrariamente á ínter-femoral, onde é bastante abundante pela parte inferior e quasi nullo pela parte superior, excepto junto á base da cauda. As apophyses cartilaginosas do calcaneum approximando-se notavelmente da cauda, que é delgada e curta. Os pellos que guarnecem os dedos nos pés estendendo-se sobre o rebordo da ínter-femoral até mais de metade da apophyse cartilaginosa do calcaneum, diminuindo gradualmente de comprimento.

Dentição: in. $^{1}/_{2}$ c. $^{1}/_{1}$ pm. $^{2}/_{2}$ m. $^{3}/_{3}$. Na maxilla superior os incisivos bastante convergentes; caninos bem desenvolvidos e pouco curvos; primeiro premolar muito pequeno e ao meio do espaço deixado entre o canino e o segundo premolar; este bem desenvolvido e excedendo notavelmente os molares, que são normaes. Na maxilla inferior os incisivos são bilobados e os restantes dentes não offerecem tambem nada de particular. O paladar concordando aínda com o typo generico.

Dimensões: cabeça e corpo 64 mill.; cauda 30; parte livre 13; cabeça 20; orelha (da base do anti-tragus á orla superior) 15; tragus 4 X 1.5; ante-braço 45; pollegar 4; terceiro dedo: metacarpo, 43; primeira phalange 18; segunda 22; quarto dedo: metacarpo 41; primeira phalange 14; segunda 10; quinto dedo: metacarpo 26; primeira phalange 12; segunda 6; tibia 13; pé 7.

Procurando ligar a todas as valiosas collecções do Museu de Lisboa o nome do seu Fundador, determinamos como fica esta nova especie.

p. 84

A large number of features were sought for evidence to distinguish this species from all those we have seen and whose descriptions we know. The ears still obey the characters of the group of this species which have been cited and described: separated at the base, opaque, with a thickening at the proximal base of the edge of the esterna, occupying a third of the lower esterna and separated from the anti-tragus by a distinct groove. They are well developed, somewhat irregular, angular and finished anteriorly by a series of many pronounced tegumental lacineas whose absence we have mentioned, assists in the distinction of *Nyctinomus brunneus*. Small anti-tragus, semi-ovoid like those in other species; square tragus and more narrow. The anterior wrinkles of the lips are deep, particularly the two medians; protruding nostrils; distinct gular pouch. A lot of hair, even on the ears, which covers the most part; dark brown on the back, yellowish, and, second to the rule,

p. 85

lighter on the ventral region. The distribution on the membranes is similar to that which we have observed on other species, only that it is scarcer on the top of the anti-brachial, no hair on the lower part, contrary with the inferior-femur, where there is an abundance of hair on the lower part and almost no hair on the top part, except near the base of the tail. The cartilaginous apophyges approaches noticeably from the tail, which is thin and short. The hairs which cover the toes of the feet extend over the inter-femoral rim to more than half of the calcaneum cartilaginous apophyse, gradually shortening in length.

Dentition: in. $^{1}/_{2}$ c. $^{1}/_{1}$ pm. $^{2}/_{2}$ m. $^{3}/_{3}$. On the superior maxilla the incisors are very convergent; the canines are well developed and slightly curved; first premolar is very small and until the middle of the space left between the canine and the second premolar; well developed and significantly exceeding the molars, which are normal. On the inferior maxilla the incisors are bi-lobed and the remaining teeth do not offer anything in particular. The palate corresponds with the genus type.

Measurements: head and body 64 mill.; tail 30; free part 13; head 20; ear (from the base of the anti-tragus to the superior edge) 15; tragus 4 x 1.5; forearm 45; thumb 4; third finger: metacarpal, 43; first phalange 18; second 22; fourth finger: metacarpal 41; first phalange 14; second 10; fifth finger: metacarpal 26; first phalange 12; second 6; tibia 13; foot 7.

Trying to connect all the valuable collections of the Museum of Lisbon to the name of its Founder, we determined how this new species fits in.

Nyctinomus brunneus Seabra, 1900

p. 83

a,b,c. 2 MM e 1 juv. Quissange, Angola, Anchieta; (alc. coll. d'Afr.).

A primeira vista distingue-se esta especie da precedente pela côr de um pardo muito escuro das suas membranas. Mais particularmente é assim caracterisada: orelhas separadas, redondas, *lisas no rebordo anterior e posterior*, ísto é, desprovidas d'aquella serie de pequenas lacineas tegumentares que caracterisam grande numero das especies d'este genero; anti-tragus semi-ovoide mediocremente desenvolvido, separado da orelha por um distincto sulco; tragus quadrado e bem desenvolvido; o

labio superior finamente rugoso proximo da commissura, seguindo-se-lhe tres pregas distinctas e irregulares nas proximidades das narinas; sacco gular do macho indinsticte. Membrana

p. 84

das azas partindo quasi do meio da tibia. Pello abundante, bastante longo, avelludado sobre o dorso, e mais particularmente o da cabeça, que se estende muito sobre as orelhas, onde toma uma brílhante côr de sepia; o do dorso e mesmo o da região occipital é mais claro em consequencia da côr amarellada das extremidades dos pellos; aquelles que cobrem aínda superiormente as azas junto ao dorso, bem como as membranas brachial e ínter-femoral, são como ñas orelhas de côr de sepia. Pela parte ventral é mais claro, mais acinzentado e mais grosseiro; notavelmente longo no pescoço, disíribuindo-se aínda ñas membranas tambem, bastante longo e abundante junto do ventre; na interfemoral menos abundante que nas especies já descriptas.

A dentição, muito semelhante á da especie precedente, distingue-se comtudo na maxilla superior pelos incisivos, menos desevolvidos, contrariamente aos caninos, muito mais longos que n'esta outra especie, e pela posição do primeiro premolar, que se encontra encostado ao segundo, ao passo que no *Nyctinomus Anchietæ* está ao meio do espaço deixado entre este dente e o canino. Na maxilla inferior os incisivos, em consequencia do pequeño espago que existe entre os caninos, acham-se irregularmente dispostos, mas symetricos; estes são bilobados como nas outras especies e em numero de quatro. O paladar concordando com o typo do genero já descripto.

Dimensões: cabeça e corpo 78 mill.; cauda 43; parte livre 26; cabeça 25; orelha (da base do anti-tragus á orla superior) 17; tragus 4.5 x 3.5; ante-braço 52; pollegar 5; terceiro dedo: metacarpo 56, primeira phalange 20, segunda 26; quarto dedo: metacarpo 52, primeira phalange 17, segunda 9; quinto dedo: metacarpo 30, primeira phalange 14, segunda 7; tibia 16; pé 7. Os pellos que guarnecem os pés são pouco abundantes e curtos.

p. 83

At first sight this species can be distinguished by the dark brown colour on its wing membranes. More particularly are the following characteristics: separated ears, round, *smooth at the anterior and posterior edge*, this is lacking from the series of small mucocutaneous lacineas which characterise a number of species of this genera; semi-ovoid anti-tragus which is underdeveloped, separated from the ear by a distinct groove; square tragus which is well developed; the lip is finely wrinkled near the commissura, followed by three distinct and irregular folds near the nostrils; the gular pouch of the male is distinct.

Membranes…

p. 84

of the wings start almost from the middle of the tibia. Abundant hair, very long, velvety on the back, more particularly that of the head, which extends over the ears, where the hair becomes a brilliant sepia colour; the hair on the back and occipital region is more clear in contrast with the yellow colour of the ends of the hair; those covering the wings and the back, as well as the brachial membranes and inter-femoral, are a sepia colour as in the ears. On the ventral part it is lighter, more greyish and coarse; noticeably longer on the neck, distributed on the membranes as well, very long and abundant together with the belly; less abundant on the inter-femoral than on species already described.

The dentition, very similar to that of the preceding species, distinguishes itself by incisors on the upper maxilla, less developed, contrary to the canines, much longer than the other species, and by the position of the first premolar, which is against the second, whereas in *Nyctinomus Anchietae* it is in the middle of the space left between this tooth and the canine. On the lower maxilla the incisors, in consequence with the small space between the canines, they are irregularly organised, more symmetrical; these are bi-lobed like in other species and in numbers of four. The palate corresponds with the type of genus described.

Measurements: head and body 78 mill.; tail 43; free part 26; head 25; ears (from the base of the antitragus to the superior edge) 17; tragus 4.5 x 3.5; forearm 52; thumb 5; third finger: metacarpal 56, first phalange 20, second 26; fourth finger: metacarpal 52, first phalange 17, second 9; fifth finger: metacarpal 30, first phalange 14, second 7; tibia 16; foot 7. There is not a lot of hair covering the foot, and these hairs are short.

Nyctinomus cisturus Thomas, 1903

p. 502

A medium-sized species, with imperfect premaxillæ, united ears, and a peculiar swollen gland at the base of the tail.

P. 503

Ears thin, united at their bases, but not forming a prominent folded lobe at their junction; their anterior edge evenly but slightly convex, not folded back, without minute warts; tip broadly rounded off; outer edge strongly convex; antitragus high, broadly triangular; keel low, not flattened or thickened externally; tragus minute, triangular. Lips with vertical wrinkles. Apparently no gular sac. Pad at base of thumb not specially large. Wings to the distal third of the tibiae, on their inner aspect. Tail involved in membrane for about three fifths of its length; at its base, on the upper surface, occupying the middle of the interfemoral area, there is a large glandular swelling, 8 millim. Long by 6 broad, covered with fine fur; this swelling is caused by the presence of a pair of glands, presumably of a scent-secreting nature, which open on the under surface of the interfemoral by two large mouths, each over 3 millim. In length, placed diagonally on the two sides of the tail some 5 millim. Behind the anus; the area round these mouths well covered with fine silky white hair; internally some sort of dark-coloured glandular secretion is present.

Colour above chocolate-brown, rather paler below, the tips of the belly-hairs greyish. Wings and interfemoral membranes above brown, below brown outside of the elbow, white near the body and on the interfemoral.

Skull rather small in proportion, smoothly rounded, a low median crest present running from the level of the intertemporal constriction to the occiput. Premaxillæ imperfect mesially, but the opening between them unusually small.

Incisors $^{2}/_{4}$, the upper slender, not far apart, nearly parallel. Anterior upper premolar small but not crowded, standing in the line of the tooth-row, its conical point higher than the cingula of the neighbouring teeth.

Dimensions of the type (measured in the flesh): -

Forearm 47 millim.

Head and body 63; tail 35; ear 15 ; tragus 1.3; height of antitragus 2.2; third finger, metacarpal 46, first phalanx 19, second phalanx 18; fifth finger, metacarpal 27, first phalanx 14, second phalanx 5; lower leg and foot (s.u.) 24.

Skull: greatest length 18.1; basal length in middle line 13.8; zygomatic breadth 11.2; anteorbital breadth 6.5; constriction 3.7; mastoid breadth 10.3; front of canine to back of m^3 6.8; front of lower canine to back of m_3 7.1.

Hab. Mangala, on the east bank of the Nile, 25 miles N. of Gondokoro.

Type. Adult male. B.M. no. 2.7.4.4. Original number 2805. Collected and presented by W. L. S. Loat, Esq.

p. 504

This bat differs from all known members of the genus by its possession of the unique caudal gland above described. In other respects it is a true *Nyctinomus*, belonging to the typical group with imperfect premaxillæ.

Nyctinomus Condylurus A. Smith, 1833

p. 54

Nyctinomus Condylurus, (Knob-tailed Nyctinome). Fur very short and silky; above the surface colour is brown beneath dull tawny white, verging upon dull brown on the sides; ears black and rounded at tips, each with a narrow stripe of fur on its outer surface, extending from the base almost to the circumference; lips with four or five deep furrows; wing membranes blackish brown; interfemoral membrane enveloping more than half of the tail, above it is thinly covered with short fur towards its base and below till near its posterior marging tail enlarged and wrinkled at the point. Length from nose to base of tail about three inches, the latter an inch and a half. - When the fur is reversed the hairs of the back and sides are found to be tawny towards their bases; those of the middle of the body beneath dull brown.

Inhabits South Africa, - about Port Natal.

Nyctinomus demonstrator Thomas, 1903

p. 504

A medium-sized thick-set species with united premaxillæ, conjoined ears, and small scent-glands on each side of the penis.

Ears rather small, rounded, united at their inner bases for a height of about 2.5 millim., but without any folded lobe: keel slightly thickened in lower third; antitragus higher than long, rounded above, with a broad base; tragus minute, broader above than below, with an incurved upper angle and concave anterior margin. Lips wrinkled. No gular sac. Pad at base of thumb rather small. Wings to the distal third of the tibia. Tail involved in membrane for about half its length. Penis unusually short, or at leas appearing short, as it projects by its tip only from the swollen mass of a pair of scent-glands surrounding its bas, their two openings separated by a narrow septum situation halfway along the penis on its lower surface.

Fur very short and close, that on the forehead behind the junction of the ears appearing to be suffused with some oily secretion.

Colour dark brown above, more blackish on head; below also brown, the median area more greyish brown. Wing-membranes brown above and below; interfemoral membrane brown above, whitish below.

Skull low, stout and strong; brain-case small; muzzle narrow. Median crest not developed except in the interorbital region; premaxillæ united round the small palatine foramina. Upper incisors long, straight, almost parallel, not far apart; lower incisors four, bilobate, the outer pair rather smaller than the inner; anterior upper premolar present, but exceedingly minute, placed in the outer angle between the canine and large premolar, which touch one another.

Dimensions of the type (measured in spirit): -

Forearm 44 millim.

Head and body 64; tail 32; ear 17; tragus 2.0; height of antitragus 3; third finger, metacarpus 43, first phalanx 18, second phalanx 18; fifth finger, metacarpus 27, first phalanx 12.4, second phalanx 5; lower leg and foot (s. u.) 22.

Skull: greatest length 19.7; basal length in middle line 15.8; zygomatic breadth 12.7; anteorbital breadth 7; con-

p. 505

striction 3.8; mastoid breadth 11.6; front of canine to back of m^3 7.5; front of lower canine to back of m_3 8.5.

Hab. Mangala, N. of Gondokoro.

Type. Adult male. B.M. no. 2.7.4.3. Collected and presented by W. L. S. Loat, Esq.

I cannot find any known species to which this *Nyctinomus* can be assigned. None of Heuglin's show any relation to it, even apart from the peculiar gland above described, which he might have overlooked. It is curious that the two Mangala species should each be distinguished by a glandular structure unique of its kind.

Nyctinomus dubius A. Smith, 1833

p. 54

Nyctinomus dubius. (Caffer Nictinome.) Fur rather long; above the surface colour is a dull deep brown, beneath a light tawny brown inclined on the sides to blackish brown. Ears brownish black and pointed; wing membranes dull black with a faint brownish tint; interfemoral membrane enveloping nearly two-thirds of the tail, the last third very slender and pointed; hairs on the feet dull white; furrows of upper lip very indistinct. Length from nose to base of tail about two inches, of tail an inch and a half. - On the back, each of the hairs is tawny white towards its base; beneath towards the middle of the body, tawny white throughout; on sides tawny white towards the base.

Inhabits South Africa, - between the Cape Colony and Natal.

Nyctinomus Emini de Winton, 1901

p. 40

Ears united by a broad band, probably as in *N. pumilus*.

Size rather larger than *N. pumilus* and *N. limbatus*. General colour dark sooty brown, the centre line of the belly grey or pure white; a tuft of snow-white hair is also found at the base of the humerus, and these white hairs continue

p. 41

down the side to the groin. The ears, face, and entire wing-membranes are black.

Forearm 43 millim.

Type B.M. No. 90.6.8.15, M. Mosambiro. Collected by Dr. Emin.

It is impossible to give a detailed satisfactory description of bats from dried skins.

Skull broader than that of *N. limbatus*, but not so broad as that of *N. major*, and distinguished from both by its prominent preorbital processes. The premaxillæ are joined, but are less perfectly ossified than in the allied species. The upper incisors are close together and parallel; the upper premolar is not in any way crowded, directly in the toothrow. Lower incisors not markedly bifurcate.

Nyctinomus fulminans Thomas, 1903

p. 501

General characters of *N. africanus*, Dobs., but with whitish belly and conspicuously smaller skull.

Size large, though rather smaller than in *africanus*. Ears

p. 502

large, evenly rounded, rising from the same spot on the muzzle; their anterior edge with four or five minute and inconspicous warts; their keel moderatly developed, not broadened or folded externally; antitragus as in *africanus*; tragus large, quadrangular, with rounded corners; a small angular projection present halfway down its outer margin. Wings to the ankles. Callosity at base of thumb unusually large. No gular sac.

Colour of body above dark chestnut-brown; below brown laterally, the median area of throat, chest, and belly white, becoming rather browner distally.

Skull smaller and conspicuously narrower than in *N. africanus*. A median crest developed along parietal suture, more developed than in *africanus*, but disappearing on interparietal, where the bone is smooth and transparant. Anteorbital and mastoid projections comparatively little developed. Premaxillæ incomplete mesially. Incisors $^{2}/_{4}$. Anterior upper premolar small, in general line of the tooth-row.

Dimensions of the type (measured in spirit): -

Forearm 60 millim.

Head and body 80; tail 53; ear 22; tragus on outer edge 7, breadth 4; height of antitragus behind 4; diameter of pollical callosity 3.2; third finger, metacarpal 57, first phalanx 25, second phalanx 7; lower leg and foot (s.u.) 28.

Skull: greatest length 22.5; basal length in middle line 17.7; zygomatic breadth 14; anteorbital bfreadth 8.5; interorbital constiction 4.7; mastoid breadth 13.2; front of canine to back of m^3 8.; front of lower canine to back of m_3 10.

Hab. Fianarantsoa, E. Betsileo, Madagascar.

Type. Male. B.M. no. 82.3.1.34. Collected by the Rev. W. Deans Cowan.

This is the "rather smaller, white-bellied, and light-winged form" of *N. africanus* referred to in Mr. de Winton's paper on the group. It is, I think, fully distinct enough to be separated specifically, as the skull-differences are very strongly marked, in additional to those of colour and locality.

Nyctinomus gambianus de Winton, 1901

p. 39

Much resembling *N. limbatu* in size and general appearance, but differing in having the lower parts uniform brown. The skull also closely resembles that of the East African species; but in this new bat the first upper premolar is only vestigial, so small, indeed that it is not possible to see it without the aid of a strong lens. This minute tooth is placed close against the canine, in the outer angle formed by the .... meeting of the canine and second premolar. The first lower premolar is also smaller in this species.

Forearm 37 - 38 millim. (type).

The males are not furnished with the crest of long hair on the back of the membrane connecting the ears, which is such a characteristic feature in *N. limbatus* from E. Africa.

Gambia, Lagos, Nigeria.

Type, M, B.M. No. 89.10.7.3. Gambia. Collected by Dr. Percy Rendall.

A specimen referable to this species formed the basis of Dobson's description of *N. pumilus*.

Nyctinomus hindei Thomas, 1904

p. 210

A whitish-winged member of the *N. pumilus* group.

Essential characters of ears, tragus, skull, &c., apparently as in *N. limbatus*, Peters. A marked tuft of brown, hairs behind the joining membrane of the ears.

Colour of upper surface chocolate-brown, finely flecked with white; the bases of the hairs (which attain about 4 - 4.5 mm. in length) rather lighter. Under surface brown, more or less washed superficially with whitish, especially along the middle line of the belly; a creamy white line edging the junction of the wings with the flanks. Ears, forearms, hind limbs, and interfemoral membrane dark brown. Wing-membranes near the body whitish brown, paling to white on the middle part of the wing, and darkening again at the tips to brown.

Skull about as in *N. Emini*, though with less marked preorbital processes. Small upper premolar outside the middle line of tooth-row, less crushed than in *limbatus*, more so than in *Emini*. Middle lower incisors deeply bifid.

Dimensions of the type (measured in skin): -

Forearm 40 mm.

Head and body (c.) 61; tail 35; thumb close to membrane 6; third finger, metacarpal 39, 1st phalanx 15.5; fifth finger 39.

Skull: greatest length 17.6; basal length 14.6; zygomatic breadth 11.4; front of canine to back of m^3 6.7.

Hab. Fort Hall, Mt. Kenya district, British East Africa. Alt. 4000 feet.

Type. Adult male. B.M. no. 3.3.2.4. Original number 134. Collected 1st Jan., 1903, and presented by Mrs. Hinde. Two specimens.

This *Nyctinomus* is most closely related to *N. Emini*, de Wint., of Usambiro*, German E. Africa, but differs by its whitish wings and more closely crushed upper premolars.

* Not Mosambiro, as accidentally printed in the original description, Ann. & Mag. Nat. Hist. (7) vii. p. 41 (1901).

Nyctinomus leonis Thomas, 1908

p. 373

Nyctinomus leonis, sp. n.

Nyctinomus brachypterus, Peters, Dobson, P. Z. S. 1878, p. 722; Cat. Chir. B.M. p. 426 (1878) (*nec* Peters, Reis. Mossamb., Säug. p. 59, pl. xv. fig. 1, 1852).

External characters as described by Dobson.

Skull of the high, not flattened *Nyctinomus* type, with well-marked median crest; emargination between premaxillæ very narrow, about 0.75 mm. in greatest breadth. Four lower incisors.

Measurements of type: -

Forearm 37.5 mm. (For other external measures, see Dobson.)

Skull: greatest length 19.4: basal length 15.5; zygomatic breadth 12.1; intertemporal breadth 4; mastoid breadth 11.3; palatal length 8; front of canine to back of m^3 7.

Hab. West Africa. Type from Sierra Leone. Other specimens from Fernando Po (*Capt. Downes*), Cameroons (*C. Bovallius*), and French Congo (*G. L. Bates*).

Type. Adult male skin. B.M. no. 62.12.23.3. Specimen *c* of Dobson's catalogue. Presented by J. Brown, Esq.

p. 374

This species, referred to *N. brachypterus* by Dobson, is evidently not that described by Peters, for the skull of the latter is no less than 21.5 mm. in length, while the typical skull of *N. leonis*, 19.4 mm. long, is the largest of the five skulls of the western form examined by me.

On the other hand, Dr. Jentink's *N. bemmeleni* from Liberia has, as he has been so good as to inform me, a skull onty 16.5 mm. in total length, with a tooth-row length of just 6.0 mm.

Nyctinomus leucogaster A. Grandidier, 1869

p. 337

Nyctinomus leucogaster

Parties supérieures d'un brun foncé, ainsi que la gorge et la poitrine. Abdomen blanc. Ailes médiocres à membrane blanchâtre. Les deux incisives supérieures sont fortes et pointues; les quatre inférieures sont très-petites. Lèvres très-fendues et ridées; la supérieure est fort développée. Oreilles larges, réunies par leur base et penchées en avant; elles naissent à l'angle des lèvres; l'oreillon est court et extérieur. Les deux doigts externes des pieds sont plus forts que les autres et garnis de poils longs. Queue longue et enveloppée dans la membrane interfémorale dans sa première moitié seulement.

Envergure, 21^c 1/2. Long. du nez à l'extrémité de la queue, 8^c 1/2. Long, des oreilles, 14^{mm}; et larg., 13^{mm}. Long, de la queue, 3^c.

Hab. Mahab, au Ménabé.

p. 337

Nyctinomus leucogaster

Upperparts of a dark brown, as well as the throat and chest. Abdomen white. Wings mediocre with whitish membrane. The two upper incisors are strong and pointed; the four inferiors are very small. Lips Very split and wrinkled; the superior is highly developed. Ears wide, united by their base and bent forward; they are born at the angle of the lips; the tragus is short and outward. The two outer fingers of the feet are stronger than the others and have long hairs. Tail long and wrapped in the interfemoral membrane for its first half only.

Wingspan, 21[c] 1/2. Length from the nose to the end of the tail, 8[c] 1/2. Length ears, 14[mm]; and width, 13[mm]. Length tail, 3[c].

Hab. Mahab, at the Menabe

Nyctinomus lobatus Thomas, 1891

p. 303

Nyctinomus lobatus, sp. N.

Allied to and of the same size as *N. tæniotis*, Raf. (*N. Cestoni*, Savi), but distinguished by its much larger ears, tragus, and antitragus, by the thinness of the ear-membranes and keel, and by its belly being pure white. Forearm 63 millim.

Hab. Turquel, Sük, inland British East Africa. Coll. F. J. Jackson, Esq.

A more extensive description was made in Thomas (1891b): 1. On a collection of small mammals made by Mr. F. J. Jackson in Eastern Africa -
Proc. Zool. Soc. Lond., 1891, II: 181 - 187 (which according to Duncan (1937: 74) was published in August 1891):

Nyctinomus lobatus, sp. N. [1]
a. ?. Turquel, Sük. 1/90. *Type*.

Allied to *N. cestoni*, Savi, or rather *N. tæniotis*, Raf., as it ought to be called, and to *N. africanus*, Dobs.; but distinguished from both by its larger ears, larger tragus, higher antitragas (fig. p. 183), and coloration, while in other respects it agrees sometimes with one and sometimes with the other, and forms in some respects a connecting-link between them.

Ears very large, rounded, laid forward they extend quite a quarter of an inch beyond the tip of the muzzle; their inner bases united on the muzzle; their substance comparatively thin and transparent; keel of the conch scarcely thickened below ; antitragus very high

p. 183

posteriorly, the notch behind it more than 5 millim. Deep, as compared to about 3 millim. In the two allied species. Tragus large and broad, quadrangular, its tip sharply angular, and its outer upper border long and straight. Lips apparently not deeply wrinkled. Gular sac apparently present. Pads at base of thumb distinct. Lower incisors 4. Colour everywhere above, and on the chin, shoulders, and sides of thorax below dark brown ; chest, belly, base of tail, and thighs to below knees pure white.

Dimensions: - Head and body 77 millim., tail 56; tail free from membrane 30 ; ears, length from base of post-antitragal notch to tip 30; forearm 63 (=2-47 in.).

This fine new Bat is distinguished at once from all the other species of the genus, except *N. miarensis*, Grand., and the two above-mentioned, by its much greater size, none of them having a forearm exceeding two inches in length. *N. miarensis* is at once separated by its structural characters and is not really allied to *N. lobatus*. Of the two species to which it is allied, *N. africanus* is a native of the Transvaal, and *N. tæniotis* of Abyssinia, extending northwards over a great part of the Palæarctic region: the new form is therefore intermediate between them in habitat as in many of its characters; but there can be no question as to the specific distinctness of all three.

[1] Preliminary descriptions of the new species were published in Ann. & Mag.
N. H. (6) Tii. P. 303 (1891)

Nyctinomus martiensseni Matschie, 1897

p. 84

In der Grösse übertrifft diese Fledermaus noch *N. africanus* Dobs und *cestoni* Savi, ebenso wie *lobatus* Thos. Sie unterscheidet sich von allen übrigen afrikanischen Arten durch die ungeheuer grossen Ohren, bei denen Tragus und Antitragus vollständig verkümmert sind. Praemolaren $^{2-2}/_{2-2}$; Ohren ziemlich durchscheinend; der Kiel der Ohrmuschel sehr schmal; Tragus verkümmert; Antitragus nicht angedeutet; die Ohren sind über der Nasenmitte verwachsen; Lippen sehr fein gefurcht, dünn, überhängend; Gularsack vorhanden.

Färbung: rauchbraun; eine Binde über Hals und Oberrücken weisslich.

Körper: von der Schwanzspitze zum oberen Ohrrand: 135 mm; Schwanz vom After: 43; freie Schwanzspitze: 28; Länge des Ohres vom vorderen unteren Rande der Oeffnung bis zur Spitze: 37; Unterarm: 66 mm.

Eine genauere Beschreibung dieser sonderbaren Fledermaus werde ich demnächst gelegentlich der Herausgabe der Peters'schen Fledermaustafeln geben.

Herr Martienssen, dem das Kgl. Museum für Naturkunde schon eine grosse Reihe sehr seltener Arten aus Usambara verdankt, hat ein M dieser Art bei der Plantage Magrotto unweit Tanga im Handei-Gebiet im August d. J. gefunden

Nyctinomus mastersoni Roberts, 1946

p. 306

A member of the *N. africanus, fulminans* and *lobatus* group, in which the upper lips are not wrinkled, the skull not so flattened as in the *N. aegyptiacus* and *bocagei* group, size rather large, hair on the integument broadly present between the humerus and base of the forearm and extending thinly in a line parallel with, but a little distance from, the forearm; in the dentition, with the upper anterior premolar small, its cusps about level with the cingulum of the large premolar, and lying rather on the outer side but within the tooth row. In size it is practically the same as in *N. fulminans* Thomas (*Ann. Mag. Nat. Hist.* (7), XII, 501; 1903) of Madagascar, and therefore smaller than *N. africanus* Dobson (*Ann. Mag. Nat. Hist.* (4), XVII, 348; 1876), known only by the type from Transvaal, and *N. lobatus* Thomas (*Ann. Mag. Nat. Hist.* (6), VII, 303; 1891) of the Suk country, Kenya Colony. It differs from *N. fulminans* in having the white median line below not extending to the throat, where the hairs are for the greater part white, but with dark brown tips, the pure white hairs only distributed from the pubic region to the chest. The reddish brown or chestnut colour characteristic of both *N. africanus* and *N. fulminans* may prove to be inconstant, for although the type and two other specimens are dark chocolate brown above and below, in one other specimen the upper parts are more reddish brown, while still another is decidedly erythristic, the upper parts being reddish brown and the under parts of body suffused with a brighter reddish colour, which extends to the white hairs of the integument

p. 307

between the femur and humerus, toning outwards to light buffy on the edges; but this erythrism is not uniform, as there is a broad normal coloured brown line on the right-hand side of the body both above and below. Normal coloured specimens agree best with the description of *N. lobatus*, chocolate brown above and below, except for the white median line and white on the integument adjacent to the sides. *N. fulminans* is said to have minute warts on the anterior edge of the ears (a character seen in *N. aegyptiacus* and *bocagei*), but these are lacking in the specimens examined of this new species. The callosity on the thumb is large, as in *N. fulminans*, and the skull is similar in having a sagittal crest from the interorbital region to the occiput, and also in having preorbital processes very slightly developed; the interparietals are swollen and raised slightly above the level of the parietals; the dentition is apparently the same, the anterior upper premolar small, in the tooth row, but rather pushed outwards; the cingulum of the lower canine is very much developed so that the pair of canines are not far apart and push the lower incisors (of which there are two pairs) forward; the anterior lower premolar is only about half the height of the adjacent large premolar, the latter with the usual high outer anterior and pointed cusp. There are apparently no glands present, either on the chin, or near the root of the tail on the border of the integument as described of *N. cisturus*.

Type: T.M. No. 9976, adult M, Chikupo Caves, Masembura Native Reserve, Bindura district, Southern Rhodesia, collected and donated by Mr H. B. Masterson; also four more specimens.

Nyctinomus Miarensis A. Grandidier, 1869

p. 337

Nyctinomus Miarensis

Semblable au *N. leucogaster*, mais de plus grande taille. Parties supérieures brunes; parties inférieures grises. Queue enveloppée dans la

p. 338

membrane interfémorale dans son premier tiers seulement.

Envergure, 39^{c} 1/2. Long, du nez à l'extrémité de la queue, 12^{c} 1/2. Long. de la queue, 4^{c} (la partie libre mesure plus de 2^{c} 1/2). Long. des oreilles, 2^{c}. 3^{mm}; et larg., 2^{c}, 2^{mm}.

Hab. Miari, pays situé entre Soua-haze et Soua-hané.

p. 337

Nyctinomus Miarensis

Similar to *N. leucogaster*, but larger. Upperparts brown; underparts gray. Tail wrapped in the

p. 338

interfemoral membrane for its first third only.

Wingspan, 39^{c} 1/2. Length from the nose to the end of the tail, 12^{c} 1/2. Length of the tail, 4^{c} (the free part is more than 2^{c} 1/2). Length ears, 2^{c}. 3^{mm}; and width, 2^{c}, 2^{mm}.

Hab. Miari, a country situated between Soua-haze and Soua-hané.

Nyctinomus ochraceus J.A. Allen, 1917

p. 455

Type, No. 48821, F ad. (skin and,skull), Medje, March 16, 1910; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig, No. 745.

Ears thick, united at base in front. Coloration unusual for a molossid.

Above, superficially, dark chestnut-brown, the hairs ochraceous-buff basally, showing, more or less at the surface, especially on the shoulders and sides of the neck where it often gives the prevailing tone to the coloration; below orange, varying in tone in different specimens from pale to deep orange. A tuft of lengthened dark chestnut-colorod hairs on the front part of the crown behind the connecting membrane of the ears. Ears blackish brown. Membranes naked; wing membranes from upper part of tibia; face naked, browhish. Interfemoral membrane narrow, much more than half the tail free. Tragus small, narrow and pointed, a little higher than wide. Antitragus low, evenly rounded above, broader at base than high, about 5.5 X 4.5 mm.

Collectors' measurements of type: Total length, 105 mm.; head and body, 72; tail, 33; foot, 11; ear, 18. Forearm (in skin), 37.7.

Collectors' measurements of type and 10 topotypes; Total length, 103 (100-106); head and body,71.6 (68-73); tail, 31 (29-34); foot, 11 (all 11); ear, 17.5 (17-19).

Forearm, same specimens, 38 (37.3-39.3).

Skull (type), total length, 18.6; condylobasal length, 16.6; zygomatic breadth, 117.; mastoid breadth, 10.8; breadth of braincase, 9; maxillar breadth, 8.3; inter-

p. 456

orbital breadth, 4; breadth at base of canines, 5.6; length of upper toothrow (with canine), 6;7; length of mandible, 12.2; angle to condyle, 3.6; depth at coronoid, 3.1; length of lower toothrow, 7.4.

Skulls of type and 10 topotypes, total length, 18.8 (18.2-19.4); zygomatic breadth, 12 (11.4-12.5).

Braincase low and flat, sagittal and lambdoid crests slightly developed, the latter indicated only in old adults; preorbital process absent or barely indicated. Premaxillæ emarginate behind base of incisors. Upper incisors small; slightly convergent apically, widely separated from each other and the canines. First upper premolar very small, in midline of toothrow and not crowded between the adjoining teeth. Lower incisors 2-2, small, crowded in a convex row between canines. First lower premolar about half the size of the second. Coronoid process small and low, barely reaching the level of the condyles, and directed outward.

This striking species is represented by 22 specimens, 18 skins with skulls and 4 in alcohol, all taken the same day at Medje, and all adult. Only 4 are males, and of the 14 female skins, 11 are labeled as "carrying an embryo in right uterus." One of the alcoholic specimens is in poor condition, the ears and membranes being abraded and light colored, and the orange of the underparts is faded to pale yellow. This specimen was taken at first to represent a different but (owing to its condition) an unidentifiable species, and was so listed in this paper, but Mr. Lang assures me that this is one of the 22 specimens of *N. ochraceus* taken at Medje, all on the same day, and that its present abraded and bleached condition is due to bad preservation due to an accident in transportation.

Nyctinomus ochraceus appears to be related to *N. thersites* Thomas but it is smaller (forearm 38, in *thersites* 41; skull 18.8 X 12; in *thersites* 20 X 12.5), and the lower premolars are not subequal as in *thersites*. *N. thersites* is described as "colour dark brownish chestnut, the glandular hairs behind the junction of the ears black." This applies fairly well to the upperparts of *N. ochraceus*, except that the lengthened hairs behind the ears in males are not black but dark chestnut. It is hardly possible, however, that this brief description could apply if the lower parts had been ochraceous-orange, as in the species here described.

Nyctinomus pusillus Miller, 1902

p. 245

Nyctinomus pusillus sp. nov.

Type. - Adult female (in alcohol), No. 37852/20997(°) United States National Museum. Collected on Aldabra Island, Indian Ocean, by Dr. W. L. Abbott.

Characters. - Externally similar to *Nyctinomus pumilus*. Skull and teeth noticeably smaller than in the related species.

External features. - In size as well as in details of external form *Nyctinomus pusillus* agrees so closely with *N. pumilus*, as to need no description.

Skull and teeth. - The skull is similar to that of *N. pumilus*, except that it is smaller and more lightly built, the interorbital profile is more concave, the basisphenoid pits are better defined, and the interpterygoid space is relatively wider. Teeth much smaller than in *N. pumilus* and inner segment of upper molars relatively broader, so that the protocone and hypocone of the first and second are actually further apart than in the larger species.

Measurements. - External measurements of type: total length, 84; head and body, 53; tail, 31; tibia, 11; foot, 7.8 (7); forearm, 46.6; first digit, 6.4; second digit, 35; third digit, 70; fourth digit, 58: fifth digit, 34; ear from meatus, 15.4; ear from crown, 10; width of ear, 14.

p. 246

Cranial measurements of type: greatest length, 15 (16.6);* basal length, 13.4 (14.8); basilar length, 12.8 (13.4); zygomatic breadth, 9.2 (10); interorbital constriction. 3 (3.6); greatest breadth of braincase above roots of zygomata, 8 (8.4); lachrymal breadth, 5 (6); mandible, 10 (11); maxillary toothrow (exclusive of incisors), 5.6 (6.6); mandibular toothrow (exclusive of incisors), 6 (6.8).

Specimens examined. - Two, both from Aldabra. Island.

* Measurements in parenthesis are those of an adult male *Nyctinomus pumilus* from Massowa, Red Sea (No. 38933/15546).

(°) Poole and Schantz (1942: 120) mention "Type designated by No. 37852/20997, an error for 20991/37852".

Nyctinomus rhodesiae Roberts, 1946

p. 307

Seemingly related to *N. ansorgei* Thomas (*Ann. Mag. Nat. Hist.* (8), XI, 318; 1913) from Malange, Angola, in general characters of size, colour, skull and dentition, but lacking the 'partly naked patch on the crown behind the junction of the ears', which is thinly haired in this new form, and the naked patch 'across the nape just in front of the shoulders', of which there is no sign in the present form. There are no glands on the border of the interfemoral membrane at the base of the tail, but a small gular gland, surrounded by a few short hairs, is present in the middle of the naked area of the chin. Ears in contact at the base. The skull has the cranium slightly raised above the dorsal level, the premaxillae not in contact, a slight sagittal crest from the interorbital constriction to the occiput, and a well-developed process interorbitally, near the anterior corner of the orbits; the upper incisors lie parallel but not in contact, the upper anterior premolar in the tooth row and small, its height about equal to the level of the cingulum of the large premolar; the lower canine has a much developed cingulum, so much so that the canines are either very close together or actually (as in the type) in contact; the two pairs of lower incisors are therefore rather crushed and pushed forward; the anterior lower premolar is as large as the posterior premolar, or even, as in the type, rather larger, and its cusp nearly as high as that of the large premolar. The upper lips are wrinkled with a few short bristles on the ridges, the ears without nodules on the anterior upper edges and the tail protrudes for at least two-thirds of its length (tail length 36 mm., free portion 24 mm.).

In colour this species is like *N. ansorgei* in being dark brown above, the throat broadly blackish and the underparts of body paler than the upper, the tips of the hairs tending to be lighter coloured and even whitish in some specimens, and the integument at the femurs tending to be white. The chin is very sparsely haired, almost naked.

Type: T.M. No. 9977, adult M, Chikupo Caves, Masembura Native Reserve, Bindura district, Southern Rhodesia, collected and donated by Mr H. B. Masterson; also five more specimens from the same source.

p. 308

Measurements of the above two new species are as follows:

(4) *N. mastersoni*; (4) *N. rhodesiae*
Head and body: 80 - 85; 65 - 67
Tail: 55 - 57; 36 - 36
Free portion of tail: 26 - 28; 24 - 25
Ear: 20 - 23; 19 - 21
Tibia and feet, c,u,: 31 - 33; 23 - 24
Skull: greatest length: 22 - 23; 19 (1)
median dorsal length: 18.3 - 19; 16.5 (1)
basilar length: 17.2 (1); 15.2 (1)
zygomatic width: 13.2, 14 (2); 11.5 - 12 (3)
mastoid width: 12.7, 13 (2); 10.5 - 11 (3)
width of brain case: 11.5 (3); 10 (3)
anterior interorbital width: 7.1 - 8.5; 6.3 - 7.1
interorbital constriction: 4.5 - 5.2; 4.2 (3)
posterior median height: 7.8, 8 (2); 6.5 (1)
height at m^3: 8 - 8.5; 7 - 7.5
c-m^3 length: 8.5 - 9.2; 7 - 7.5
mandible length: 16 - 16.5; 13 - 13.4
c-m_3 length: 9.5 - 10.1; 8.1 - 8.5

Nyctinomus thersites Thomas, 1903

p. 634

A medium-sized species, with proportionally short limbs, united ears, separated premaxillæ, and very small lower cheek-teeth.

p. 635

Body large as compared with the short forearms and legs. Muzzle short, upper lip distinctly furrowed. Ears short, opaque, their tips broadly rounded; inner margins united at base; anterior margin without minute horny points; antitragus as high as long, with a deep notch behind it; keel thickened below, but not flattened externally. Tragus minute, almost linear; a separate, very distinct, external basal projection developed halfway between its outer base and the inner side of the antitragus. Fur short, close, and velvety; hairs of back barely $2^1/_2$ mm. long, tufts* of long hairs (about $^1/_2$ inch in length) placed on each side of the rump; fur contined to body throughout, except a narrow rim along each side below. Colour dark brownish chestnut, the glandular hairs behind the junction of the ears black. Penis projecting but little from the surrounding flesh, without special scent-glands. Premaxillæ separated, but the opening between them small; anteorbital crests scarcely developed; sagittal crest low; lambdoid crest strong, forming a prominent projection on each side of the middle line. Lower jaw unusually thick and heavy.

Upper incisors thick, vertical, parallel, well separated. Anterior premolar small, but standing in the tooth-row, and separating the canine from the large premolar. Lower incisors four, bifid, overlapping. Lower premolars very abnormal in being subequal, the anterior scarcely shorter than the posterior. Molars unusually low-crowned, their vertical height considerably less than that of the thick mandibular ramus.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 41 mm.

Head and body 75; tail 32; ear 17; tragus on inner edge 1.2; third finger, metacarpus 40, first phalanx 17, second phalanx 16; fifth finger, metacarpus 26, first phalanx 9, second phalanx 4; lower leg 15, lower leg and foot (s. u.) 23.

Skull: greatest length 20; zygomatic breadth 12.5; front of canine to back of m^3 7.3.

Hab. Efulen, Cameroons.

Type. Old male. Collected by Mr. Gr. L. Bates. Three specimens.

By Dobson's synopsis this bat comes near *N. pumilus*, but may be readily distinguished from that species by its larger size and the many peculiarities, external and cranial, described above.

* These tufts appear to occur in many species, though seldom so well developed as in the present animal.

Nyctinomus unicolor A. Grandidier, 1870

p. 49

Nyctinomus unicolor

d'un brun assez foncé, qui est a peine plus clair sous l'abdomen. Queue libre dans plus de la moitié de son étendue. Oreilles fort grandes, qui sont réunies sur le front par une petite membrane. Lèvres épaisses et larges.

Longueur totale, 13 cent.; de la queue, 42 cent.; de la partie de la queue enveloppée dans la membrane interfémorale, 15 mill.; envergure, 41 cent. 1/2.

p. 49

Nyctinomus unicolor

a rather dark brown, which is scarcely clearer under the abdomen. Tail free for more than half of its extent. Ears very large, which are united on the forehead by a small membrane. Lips thick and wide.

Total length, 13 cent.; tail, 42 cent.; part of the tail wrapped in the interfemoral membrane, 15 mill.; wingspan, 41 cent. 1/2.

Otomops icarus Chubb, 1917

p. 433

Otomops icarus, sp. nov.

Like *O. wroughtoni* and *martiensseni* in the essential characters of skull and ear structure, including the practically complete suppression of both tragus and antitragus.

Colour very much as in *O. martiensseni*, the fur of the top of the crown, above the bases of the united ears, similarly pale brown and the back of the head dark brown, both with whitish bases to the hairs, in contrast to the deep uniform blackish-brown of the same parts in *O. wroughtoni*. But as compared with *O. martiensseni* the prominent whitish mantle so conspicuous in that animal is almost obsolete and there is but little whitish on the front of the neck. Lower part of body both above and below, deep blackish-brown, very much as in *O. wroughtoni*.

Skull more elongate than in *wroughtoni* or in the Congo specimen of *martiensseni*. Prof. Matschie does not give any cranial dimensions in his original description of the latter species.

p. 434

Dimensions of Type.

Forearm 66 mm.

Head and body 88 mm.; tail 45 mm.; ear 38 mm.; fifth finger, metacarpal 34 mm., first phalanx 20 mm., second phalanx 8 mm.; lower leg and foot (s.u.) 30 mm.

Skull: greatest length 27 5 mm.; basal length in middle line 24 mm.; zygomatic breadth 14 mm.; anteorbital breadth 10 mm.; interorbital constriction 5.7 mm.; mastoid breadth 14 mm.; front of canine to back of m_3 11 mm.

Hab. Durban, found helpless in gutter, apparently as a result of collision with street electric light.

Type. Male.

Otonycteris Peters, 1859

p. 223

Zwei Exemplare dieser neuen Gattung befinden sich im zoologischen Museum, welche aus der Sammlung der Hrn. Hemprich und Ehrenberg stammen sollen. Sie hat durch den Bau der Ohren und des Ohrdeckels die gröfse Ähnlichkeit mit der Gattung *Plecotus* und war unter diesem Namen auch aufgestellt; jedoch sind die Nasenlöcher nicht nach hinten erweitert, noch auf der oberen Seite gelegen, sondern sie sind einfach sichelförmig und nach vorn gerichtet wie bei der Gattung *Vespertilio*. In der Gestalt des Schädels nähert sich diese Gattung am meisten den *Nycticejus* und ebenso stimmt sie auch hinsichtlich der Gestalt und Zahl der Zähne ganz mit *Nycticejus* (*planirostris* Pet.) überein: $^{3\,1}/_{3\,2}{}^{1}/_{1}/^{1\,1}/_{6}{}^{1}/_{1}{}^{1\,3}/_{2\,3} = 30$.

Otonycteris Hemprichii Peters, 1859

p. 223

supra albescenti-brunneus, subtus albus, alis dilute brunneis.

Long. tot 0.110; cap. 0.025; aur. 0.030; tragi 0.015; caudae 0.045; antibr. 0.058; exp. alar. 0.320.

Ist diese Art übereinstimmend mit Gray's *Plecotus Christii*?

Pachyotus Gray, 1831

p. 38

The Bats, the Vespertiliones of Geoffroy, might for convenience be divided into three genera, the true Bats, *Vespertilio*, with thin ears and membranes and a hairy face, the *Pachyotus* with thick ears and membranes and bald swollen cheeks, including the genera *Nycticejus* and *Scotophilus* and the hairy-tailed species of America, (*Lasiurus*.)

Petalia (Nycteris) thebaica aurantiaca de Beaux, 1923

p. 91

(N. 1432) Tipo 1 F, in alcool, cranio estratto. Archers Post, I.1920, L. FRANCHETTI e L. TONKER.

Stato di conservazione buono, astrazion fatta per un processo arrestato di dissolvimento dell'integumento in corrispondenza del carpo e di alcuni diti.

Rivestimento peloso abbondante e soffice; singoli peli lunghi 12 mm. tra le spalle. Colorazione generale arancio-ocracea (ocrhaceous orange, Ridgw. XV) con brillantezza aranciona (orange, III); i singoli peli lievemente più chiari alla base. Parti ventrali soltanto impercettibilmente più chiare delle dorsali. alla base dorsale di ciascun orecchio una indistinta mac-

p. 92

chia chiara color cuoio aranciato (orange buff, III). Tale colore hanno anche i peli sulla superficie ventrale della membrana alare in corrispondenza del $^1/_4$ prossimale dell'avambraccio. Patagio bruno fosco (fuscous, XLVI); orecchio lievemente più chiaro.

Unghia del pollice uniformemente grigia chiara. Unghie del piede color crema diafano nella metà basale, intensamente bruno-aranciato nella metà distale.

L'*orechhio* ed il *trago* in nulla differiscono dalle Petalia thebaica, Geoff., d'Egitto.

Il *cranio* corrisponde per forma e dimensioni alle P. th. suddetta.

I *denti* invece offrono alcune particolarità degne di nota.

Premetto che gli II sono in parte anormali. $\underline{I_2}$ des. è spezzato alla base "ex vita". $\underline{I_1}$ des. è largo et *trifido*. $\underline{I_1}$ sin. è stretto e bifido, ma ha il lobo laterale troppo corto. $\underline{I_2}$ sin. è bifido e di forma identica a quella del P. th., Geoffr.

E peraltro indubitabile trattarsi di una Petalia con incisivi superiori bifidi!

P_4 è molto piccolo; resta nella linea dentale meglio che nella P. th.; è visibile dall'esterno, ed ancor meglio dall'interno, ma è appena visibile *dal disopra*, perchè P_3 et M_1 sono molto ravvicinati tra di loro e lo celano coi rispettivi cingoli, che si trovano a contatto o quasi l'uno dell'altro.

C è più grande e più decisamente uncinato che nella P. th. $\underline{C}$ è più alto, con profilo interno più rettilineo e punta mediale del cingolo più svilippata. P_3 è più alto e mostra una piccola cuspide anteriore particolarmente distinta. I MM sono tutti particolarmente alti e strettamente serrati l'uno contro l'altro. M_1 ha la cuspide anteriore particolarmente alta. M_3 è particolarmente lungo. I $\underline{MM}$ hanno il lobo basale interno (mesostile) assai più largo e grosso, ed esteso all'indietro con una punta tondeggiante.

Uguali resultati ottengo dal confontro con Petalie d'uguale statura di Keren, Setit, Agordat, Lugh, Aden.

Misure del Tipo. Testa più tronco mm. 50. Coda 05. Altezza dell'orecchio, margine mediale 26, laterale 30. Larghezza massima dell'orecchio appiattito 20.5. Altezza del trago 7. Braccio 21. Avambraccio 44. Pollice con unghia 10.5. Dito terzo, me-

p. 93

tacarpo 36, falange prima 23, fal. seconda 23. Coscia 20. Gamba 19. Piede con unghia 10.5. Sprone 14.5.

Cranio. Lunghezza massima con mandibola 20. Lungh. mass. C. -Occipite 10. Lungh. mass. della mandibola con II 12.4. Larghezza sull'arcata zigomatica 10.6. Larghezza della cassa cranica sulla squama temporale 8.4. File dentale $\underline{C}$-M_3 6.5. C-M_3 7. Altezza massima $\underline{C}$ 2.3. C 2.1. M_1 2.6.

Reputo indispensabile far sequire una tavola sinottica in cui alcune delle precedenti misure sono messa a confronte con quelle di altre forme componenti il "gruppo P. thebaica".

[table removed - eds.]

p. 95

Dalla presente tavola risulta chiaramente che vis sono entro il "gruppo thebaica" due distinte forme, una piccola settentrionale ed una grande meridionale. Ambedue si estendono pressochè in ugual misura al di là dell'Equatore, la piccola scendendo fino a Zanzibar ed oltre, la grande salendo fino nell'Eritrea. Attribuendo a queste due forme valore specifico, la piccola dovrà chiamarsi *P. thebaica*, Geoff., la seconda *P. capensis*, Sm.

Risulta inoltre che le dimensioni dell'orecchio, la proporzione tra lunghezza dal braccio e dell'avambraccio, e la proporzione tra lunghezza e larghezza della testa sono tutt'latro che costanti entro una stessa forma della stessa località.

Di ciò resta infirmata la validità specifica della *P. revoili*, Rob. (Bull. Soc. philom. Paris, 1881, V, p. 90; e Ann. Sc. Nat. Zool. XIII, 1882, art. 2, p. 3, Tav. 12 Fig 5-6-7); molto più che nemmeno il carattere che dovrebbe "immediatamente distinguere la P. revoili dalle due specie P. thebaica, Geoffr. e P. angolensis, Pet." (= capensis, Sm.), e cioè la situazione di P_4 nella fila dentale, ove è visibile dall'esterno (l.c. fig. 5), ha valore specifico, giacchè riscontro un P_4 ben visibile dall'esterno *e dal disopra*, e ben piantato nella fila dentale perchè P_3 e M_1 sono sufficientemente distanziati tra di loro, in esempl. di P. del Caior, Egitto, Lungh., Zanzibar, Aden, Keren, ed inoltre di *Saganeiti*, Harrar, Angola, Capo; mentre P_4 è scarsamente visibile dall'esterno, *poco o punto visibile dall disopra*, perchè P_3 et M_1 sono molto ravvicinanti tra di loro, e talvolta anche abbastanza energicamente spinto verso l'interno, in esemplari di Korosco, Setit, Agordat, *Saganeiti, Harrar, Angola*.

Gl. M. Allen (Bull. Mus. Comp. Zool. Harv. Coll. LIV, 9, 1911, p. 323) attribuì daltronde "only after much deliberation" 3 Petalie del Guaso Nyiro settentr. alla P. revoili, unicamente per le misore somatiche, che viceversa riscontro rientrare in quelle ottenute anche su Petalie egiziane soltanto.

Ed il Lönnberg (Arkiv Zool. Stockh. 10, 1916, art. 12 p. 5) attribuì 1 P. del gruppo thebaico alla P. revoili, pure unicamente per le dimensioni somatiche, appoggiandosi ad Allen (l.c.). Ma come nel caso precedente riscontrol tali dimensioni presso P. thebaica egiziane, eccezion fatta per l'orecchio lievemente (3 mm.) più lungo.

p. 96

L'attribuzione della P. del gruppo thebaica dell'Eritrea, Africa orient. inglese ed Uganda alla P. revoili (K. Andersen, Ann. M. Nat. Hist. London 1912, X, p. 550) deve quindi sembrare alquanto arbitraria, tanto alle caratteristische dentali precedentemente discusse.

Ma se, come credo, la P. thebaica dell'Eritrea non va distinta sottospecificamente da quella dell'Egitto (v. Senna, Arch. zool. Napoli, II, 3, 1905, p. 284) anche la sottospecie *adana*, K. A. (l.c.) resterà difficilmente distinguibile dalla thebaica tipica.

Credo infine, in base alla descrizione-tipo (Peters, Monatsb. Ak. Wiss. Berlin, 1870, p. 905, fig. 7), che la *P. damarensis* possa essere considerata tutt'al più come una sottospecie, di P. capensis Sm. e la stessa sorte seguirebbero quindi la *P. d. brockmani*, K. A. e la *P. d. media* K. A. (l.c.) non sempre distiuguibili tra di loro (confr. tavola delle misurazioni).

Tornando ora alla *P. di Archers Post*, penso ch'essa *rappresenti in sostanza una varietà di colorazione della P. thebacia* (confr. Senna, l.c. p. 281 per l'Asellia tridens, Geoff), ma mi trattengono dal considerarla fin d'ora come tale le caratteristiche dentali rilevante, la quasi uniformità di colorazione tra parti super. ed infer., la singolare distribuzione di colore nelle unghie del piede.

Il quatro sinottico del gruppo "P. thebaica" (v. K. Andersen, l.c. 1912) andrebbe pertanto a mio avviso così modificato:

P. thebaica, Geoffr. Egitto, Sinai, Africa orient. inglese e tedesca, Zanzibar;

[P. th. adana, K. A.]. Aden.

[P. th. revoili, Rob,]. Somalia settentr.

P. th. aurantiaca, de B. Africa orient. Brit.: Archers Post.

P. th. gambiensis, K. A. Gambia

P. capensis, Sm. Africa merid. fino alla Zambesia ed Angola.

[P. c. damarensis, Pet. Damaraland, Namaqualand, Lago Ngami, Tette]

[P. c. brockmani, K. A. Eritrea, Somalia.

[P. c. media K. A.]. Abissinia (Harrar).

Petalia aurita K. Andersen, 1912

p. 547

Dentition (incisors and p_4), tragus, and external dimensions as in *P. hispida*, but ears much longer, skull larger, toothrows longer. Forearm of type 43 mm..(in forty-seven adult *P. hispida* 37.2-43), ear from base of inner margin 21.5 (16.5-18.7); skull, total length 18.7 (in thirty-two adult *hispida* 16.5-17.8), condyle to front of canine 16.1 (14-15.3), c-m^3 (crowns) 6.5 (5.5-6.1).

Type, F ad. (alc.), Kilifi, British East Africa, collected and presented by G. D. Trevor-Roper, Esq., B.M. 89.1.11.1.

Other specimens from Maungu, B.E.A., and Burao, Somaliland.

Petalia damarensis brockmani K. Andersen, 1912

p. 548

Probably the north-eastern representative of *P. d. damarensis*, from which it is distinguishable only by the larger average size of the skull. Total length of skull (fourteen specimens) 21-21.5 mm. (20-21.2 in six *d. damarensis*), total length of lower jaw 13.7-14.2 (12.7-13.7), maxillary tooth-row (crowns) 7.2-7.7 (7-7.5). Forearm 47-51, ear from base of inner margin 29-31.5 mm.

Type, F ad. (skin), Upper Sheikh, British Somaliland, 4300', 11 Jan., 1910, collected and presented by Dr. R. E. Drake-Brockman, B.M. 10.3.27.4. The range of this form is known to extend to Erythrea. *P. d. damarensis* occurs in Damaraland and Namaqualand, through the Lake Ngami region, eastward to Tette.

Note. - *P. d. brockmani* should not be confused with the smaller, shorter-eared *P. revoili*, winch belongs to the same section of the genus and occurs in the same region (forearm 41-45, ear 26-26.5, maxillary tooth-row 6.5-6.8 mm.). '

Petalia damarensis media K. Andersen, 1912

p. 548

Probably the Abyssinian representative of the foregoing form, from which it differs by its conspicuously smaller size: total length of skull of type 20.6 mm., of lower jaw 13, maxillary tooth-row 6.8, forearm 45.5, ear from base of inner margin 29.

Type, ad. (skin), Harar, Abyssinia, 19 Jan., 1912, collected by Hr. G. Kristensen, presented by the Hon. N. C. Rothschild, B.M. 12.2.28.1.

Petalia gambiensis K. Andersen, 1912

p. 548

Tragus of the *P. thebaica* type, but species differing from any other form of the *thebaica* section by its remarkably small size. Forearm (type and topotype) 39-40.8 mm.,

p. 549

third metacarpal 29, ear from base of inner margin 23-23.5, skull (total length) 18.5, maxillary tooth-row (crowns) 6.1-6.2.

Type, ad. (akin), Dialocote, French Gambia, 7 March, 1910, presented by G. Fenwick Owen, Esq., B.M. 11.6.10.10.

Note. - Gambia is inhabited by two other species of *Petalia, P. hispida* and *P. macrotis*.

Petalia major K. Andersen, 1912

p. 547

Similar to *P. arge* (p_4 large, tragus lingulate), but easily distinguished by its conspicuously larger size, being about equal in dimensions to *P. æthiopica luteola*. Forearm of type 49 mm. (39.5-45 in ten adult *arge*); skull, total length 22.2 (19.5-20.2), condyle to front of canine 19.7 (16.8-17.7), maxillary tooth-row 7.8 (6.8-7.3).

Type, F ad. (alc.), Ja R., Cameroons, 23 Jan., 1906, collected by Mr. G. L. Bates, B.M. 9.10.2.49.

Petalia nana K. Andersen, 1912

p. 547

Allied to *P. arge* (p_4 large), but considerably smaller, and with proportionately much smaller ears (tragus not differing in shape, being lingulate as in *arge*). Forearm of type 34 mm. (39.5-45 in ten adult *arge*), third metacarpal 25.7 (30.5-34.2), tibia 14.5 (20-23.7), ear from base of inner margin 15.5 (23-26.5), maxillary tooth-row (c-m^3, crowns) 5.7 (6.8-7.3).

Type, M ad. (alc.), Benito R., French Congo, collected by Mr. G. L. Bates, B.M. 0.2.5.46.

This is the smallest known form of the genus.

Petalia parisii de Beaux, 1924

p. 254

(N. 1449) Tipo. F, Balli, Somalia it. merid., 6 IV 1922. In alcool. Cranio estratto.

Stato di conservazione. In generale buono. Manca il pelo nella porzione mediana delle parti inferiori e sul dorso eccettuate la spalle.

Appartiene al gruppo *P. aethiopica* (Kn. Andersen, Ann. Mag. Nat. Hist. X, 1912, 549). Si distingue nettamente dalla *P. aethiopica*, Dobs. e *P. aeth. luteola*, Thos. per le dimensioni molto minori; dalla *P. macrotis*, Dobs. e *P. oriana*, Kershaw (Ann. Mag. Nat. H. X, 1922, 179) per le dimensioni molto minori e la forma del Tragus; dalla *P. woodi*, K. A. (Ann. Mag. Nat. H. XIII, 1914, 513) per le dimensioni del padiglione molto minori (mm. 21 contro 29) e per il colore delle parti inferiori, che è uguale alle superiori, anzichè bianco.

Tragus. Come quello rappresentato dal Dobson (Catal. 1878, Pl. XI, fig. 3) per la P. aethiopica, ma munito alla base del margine posteriore di un grosso lobulo orientato lateralmente.

p. 255

Dimensioni somaliche. Testa e tronco min. 47; coda 46; orecchio, margine interno 21; avambraccio 43; pollice (senza metacarpo, con unghia) 9; 3° dito: metacarpo 31.5, prima falange 22, seconda falange 22.2; 4° dito: metacarpo 33, prima fal. 11.8, seconda fal. 9 ; 5" dito: metacarpo 34, prima fal. 11.5 seconda fal. 10.8; tibia 19 ; piede senza unghia 8; unghie in media 2.

Cranio. Lunghezza massima colla mandibola in situ, II-occipite, mm. 19. Lunghezza massima C-occipite 18. Larghezza zigomatica 10.7. Larghezza massima sullo scudo frontale 7. Lungh. massima della mandibola, denti esclusi, 11.8. Lungh. massima della fila dentale superiore 6. Fila dentale inf. 6,9.

MM assai logori. CC relativamente grandi e robusti. P_3 assai piccolo, *nella*, fila dentale, prevalentemente mediale, ma pur riconoscibile anche nella veduta laterale.

Rivestimento peloso. Soffice e lungo (10 mm. sulle spalle) Tutto il braccio ed il terzo prossimale dell'avambraccio sono riccamente rivestiti. Il patagio è rivestito dorsalmente: nella metà prossimale della zona tra braccio ed avambraccio; su di una striscia larga 10 mm. lungo il tronco; nella zona tra la coscia e le prime due vertebre caudali. Ventralmente nella metà prossimale della zona tra braccio ed avambraccio, e, più scarsamente, nella zona tra gomito e ginocchio.

La colorazione d'insieme è buffy brown (Ridgw. XL) sulle spalle, più scura sul braccio; drab (XLVI) sulla testa e le parti inferiori. Patagio ed orecchio sono cinnamon drab (XLVI). I singoli peli sono lievemente più scuri e più grigi nel terzo o quarto basale. La zona nuda nasale è lateralmente orlata da una striscia di peli bianchi.

Unghie grige brune basalmente; chiare e diafane apicalmente.

Dedico questa nuova specie al Dottor Bruno Parisi, Direttore della Sezione Zoologica nel Museo Civico di Storia Naturale di Milano.

Petaliidæ Miller, 1910

p. 90

The generic name *Nycteris* as used for a group of Old World bats is currently assumed to date from Geoffroy and Cuvier, 1795. In reality it was not published in this sense until 1803, the name as it occurs in the earlier work being strictly a *nomen nudum*. But during this interval of eight years *Nycteris* had been applied by Borkhausen and Bechstein to a very different animal, the New York Bat of Pennant, now currently known as *Lasiurus borealis*. It is therefore necessary to substitute *Nycteris* Borkhausen 1797 for *Lasiurus* Gray 1831, *Petalia* Gray 1838 for *Nycteris* Geoffroy 1803, and the new family name *Petaliidia* for *Nycteridæ* Dobson 1875

Phyllorhina commersoni var. thomensis Bocage, 1891

p. 88

Deux individus, M et F adultes.

Ces individus ressemblent à *Ph. Commersoni* par leur conformation générale, par la forme de leur fer-à-cheval et par leurs caractères de dentition; mais ils différent de nos individus d'Angola et d'autres localités d'Afrique occidentale: 1° par leur taille, sensiblement plus petite; 2° par le nombre des plis cutanés latéraux du fer-à-cheval, trois au lieu de quatre; 3° par leurs couleurs, d'un brun-noirâtre foncé et uniforme en dessus, plus pâles en dessous, avec une tache blanchâtre sur le tiers supérieur de la face interne du bras. Les membranes des ailes et la peau nue des membres sont noires.

Chez la femelle de cette variété, comme chez la femelle du *Ph. Commersoni*, l'orifice du sac frontal est bien distinct, et ses appendices pubiens sont assez developpés ainsi que les mamelles, les uns et les autres noirs.

Dimensions:

	M; F
Longueur total (tête et tronc):	106 mm; 102 mm.
" de la tête:	34; 32
" de l'oreille:	25; 35
" de l'avant-bras:	82; 81
" du 3^{e} doigt:	126; 124
" du pollex:	18; 17
" de la queue:	29;30

Habitat: la femelle a été recueillie à Roça Saudade, le mâle à Ribeira peixe.

L'espèce est connue à St. Thomé sous le nom de Guimbu.

Comme je l'ai déjà remarque ailleurs, M. Greeff cite à peine deux chauves-souris de St. Thomé, *Cynonycteris straminea* et *Phyllorhina caffra*, l'une et l'autre non encore rencontrées dans cette île par M. Newton (V. Jorn. Ac. Sc. de Lisboa, 2.^{a} série, I, p. 197).

Phyllorhina commersonii var. marungensis Noack, 1887

p. 272

(Vergl. Taf. X, Fig.31 - 33.)

5 Exempl., darunter 1 F, Juli und August, Qua Mpala, Marungu. "Fliegt in der Dämmerung."

PETERS in: M. B. d. Berl. Acad. 1871, S. 318, DOBSON Cat. of the Chiropt. of Brit. Mus., S. 133; DOBSON Report of Brit Association, 1880, S. 11, Proc. L. Z. S. 1872, S. 364; 1878, S. 8798; 1870, S. 769.

Der Grund, weshalb die vorliegenden Ex. als *var. marungensis* bezeichnet werden müssen, liegt hauptsächlich in dem Nasenblatt, welches bei *commersonii* unten gerade, bei allen 5 Ex. von *var. marungensis* unten genau wie bei *Phill. cyclops* rundlich lanzettförmig ausgebogen ist, während das Blatt oben bei *cyclops* viel schmaler ist als unten. Das Blatt von *marungensis* sieht also so aus, wie wenn die untere Hälfte von *cyclops* mit der oberen Hälfte von *commersonii* zusammengesetzt wäre.

Diagnose von *commersonii* nach DOBSON:

Das Querblatt sO breit wie das horizontale, starke Stirndrïse. Unterarm so lang wie Kopf und Körper, Schwanzende frei, oben Kopf und Nacken hellbraun, Extremitäten grau, ein mehr oder weniger breites Band von derselben Farbe fliesst von der Schulter auf dem Rücken zusammen, Körperseiten grau, fast weiss bei manchen Exemplaren, unten weiss, ausgenommen ein brauner Fleck an jeder Schulter, am Bauch hat das Haar eine dunklere Färbung, manche Exemplare mit röthlicbem Schimmer. Kopf und Körper 4 Zoll 1 L. Kopf 1 Zoll 6 L. Unterarm über 4 Zoll; doch schwankt die Länge, die bei einigen nur $3^1/_2$ Zoll beträgt. Gebiss wie bei *Ph. cyclops*.

Körperlänge des grössten M 95 mm, Schwanz 25, der 3 anderen M 80 - 85, des F 75, Schwanz 15 mm.

Kopf kurz, dick, Schnauze breit, Ohren weit von einander entfernt, 0hr = $^2/_3$ Kopflänge, Unterarm erheblich länger als der Körper, Schwanz mit der Spitze aus der Schenkelhaut hervorragend.

Das fein und dünn behaarte Nasenblatt ist vorn an den Seiten wie bei *commersonii* und *cyclops* von 3 übereinander liegenden Blättern eingefasst, der vordere Theil spitz hufeisenförmig, vom Rande der Oberlippe 3 mm entfernt. Der vordere Rand auf 1 mm frei über-

p. 273

hängend, in der Mitte ein Grat, der nach der mittleren Oeffnung als ein 1 mm langer Zacken hineinragt, vom oberen Rande ragen auf beiden Seiten des Grats zwei spitzige gewundene Hautlappen in die Vertiefung hinein, das obere Stirnblatt in der Mitte mit einem Grat, am oberen Rande etwas herzförmig ausgeschnitten und auf 2 mm beutelförmig an den Seiten überhängend, unter jedem überhängenden Zapfen eine Vertiefung. Der vordere wulstige Rand derselben, welcher die obere Begrenzung der Nasenöffnung bildet, in der Mitte mit einem in die Tiefe ragenden Grat, in den beiden seitwärts desselben liegenden rundlichen Lappen ebenfalls je zwei feine Oeffnungen. Die beiden mittleren gewundenen Hautlappen bilden mit diesem Grat eine herzförmige Vertiefung, die Nasengruben liegen unter dem hinteren Blatt und sind durch die hertförmige Klappe geschieden. Die Oeffnung der Glandulardrüse ein feiner, an den Rändern behaarter Spalt über dem hinteren Blatt der bei weitem nicht so deutlich sichtbar ist wie in der Abbildung von *Ph. comm.* bei DOBSON und fast ganz in den Stirnhaaren versteckt ist. Breite des Stirnlappen 9 mm , Länge 4, Länge des ganzen Hufeisens 10, Breite 8.5, Länge der mittleren Oeffnung 3 mm. Ich verweise übrigens auf die Zeichnung, welche die komplicirte Bildung des Hufeisens deutlicher macht als viele Worte. Ohr an der Basis behaart, schlank Zugespitzt, 13 Querfalten nach dem äusseren Rande zu; dieser wenig ausgebuchtet, der innere Rand rundlich , unten legt sich der innere und äussere behaarte Rand am, so dass unten an der Ohrbasis die Ohröffnung nur einen schmalen Spalt bildet. Tragus fehlt. 2 mm vom inneren Rande geht eine starke Sehne der Lânge nach durch das Ohr bis auf 6 mm von der Spitze, von welcher der innere Ohrrand nach hinten umklappt. Ohrlänge 22 mm, grösste Breite unten 11, Länge des äusseren BAsallappens 5 mm, Entfernung der Ohren 16 mm.

Alle Maasse dem grössten Exemplar entnommen. Oberlippe und Rand der Unterlippe mit warzigem Rande, in der Mitte der Oberlippe ein nackter Grat, Mundspalte 11.5 mm lang, AUge klein, 2 mm lang, rund, 2 mm seitlich von dem die Nasenlöcher oben begrenzender Wulst. Unterarm sehr lang und stark, muskuloös, wie auch der Schenkel, Radius kräftig, 95 mm lang, Humerus 52.5. Vom Daumen a in der Flughaut eingehüllt, a = 8.5, b = 9, der stark gekrümmte braune Nagel 4.5. Finger I einer starke, oben 2 mm dicke, 75 mm lange Knochenleiste, b verkümmert, IIa = 72, b = 32.5, c = 52; IIIa = 69, b = 26, c = 16; IVa = 68, b = 26, c = 17. Die Enden der Phalangen nagelartig scharf. Tibia 39, Femur 32. Die zweiglidrige Fuss mit

p. 274

quergefalteten Ballen lang, mit starken, braunen Krallen. Sporn 8 mm. Die Flughout reicht bis zu $^2/_3$ der Tibia. Metatarsus 6, Phalangen a= 6, b = 10, Nägel 6 mm. Penis behaart, 6 mm lang, Schwanzwirbel sehr dunn, 7 mm frei, an der Spitze 5 - 6 weisse lang Haare. Beim F misst der Radius 95, Humerus 43, die ersten Phalangen von II, II, IV 63, 62, 61.5; tibia 34, Femur 25. Humerus und Vorderarm innen und aussen schwach behaart, Flughaut weiss als schmaler Saum bis über das Tarsalgelenk, zwischen Humerus und Tibia schwach weisslich bebaart, aussen nur am Rande der Tibia einige gelbe Haare. Flughaut zwischen Arm un Schenkel mit feinen Querfalten, die unter der Lupe aus sehr feinen warzigen Papillen bestehen, Behaarung zwischen den Schenkeln dünn gelblich graubraun mit hell Weissgrau melirt, da die Haare theils eine graubraune, theils eine weissliche Spitze haben. Bauch mehr gelblich weiss, in der Mitte mehr bräunlich. Der Oberkörper is in der vorderen Hälfte ähnlich wie unten mit mehr oder weniger Braun, hinter variirt die Färbung. Bie dem kleinsten M ist sie ähnlich wie vorn, nur in der Mitte des Rückens und auf dem Oberarm mehr lichtbraun, Rand des Hinterkörpers an der Flughaut und hinterer Rand des Oberarms mehr weiss. Bei einem älteren M is das Braun intensiver, gegen die Schulterns hell streifig abgesetzt, ohne eigentliche Streifen zu bilden. Beim dem grössten M ist die hintere Partie oben mehr rothbraun, nach vorn heller quertstreifig abgesetzt, die Mitte des Nackens dunkler, bei einem M die vordere Partie hell graubraun, wieter nach hinten reichend, das Braun viel dunkler un

nach vorn halbmondförmig abgesetzt. Allen gemeinsam aber ist die hellbelbiche Färbung des Bauches, die unter den Achseln lebhaft hellgelb wird und vorn duch einen nach hinten zugespitzten dreieckigen, dunkelumbrabraunen streifigen Fleck begrenzt wird. Das Weissgelb der Achselgegend schneidet gegen das Braun der Oberseite scharf ab. Der weisse Fleck unten an der Schulter ist bei dem grössten M matt weissgelb, sonst besonders lebhaft an der Innerseite des Humerus. Bei dem F ist die Färbung oben vorn dunkler, das mit weisslicher Sprenkelung abgesetzte Braun zieht zich weiter nach vorn und ist vorn dunkel sepiabraun, hinten der Rand mehr gelbbraun. Die Färbung bei *var. marungensis* variirt ebenso wie bei *commersonii*. Die Längenstreifen von *vittata* PETERS fehlen. Vergl. die Abbildungen von *vittata* PETERS, Säugethiere Taf. 6, Schädel Taf. 13, 7 - 13, *commersonii* bei DOBSON Taf. 9, Fig. 2, *cyclops* Fig. 1. Ueber *gracilis* PETERS S. 35.

p. 275

Die Schädel dem von *vittata* (auch bei BRONN Taf. 53, Fig. 4) sehr ähnlich/

Zähne: I $^{2}/_{4}$ C $^{1+1}/_{1+1}$ P $^{2+2}/_{2+2}$ M $^{3+3}/_{3+3}$

Die jüngeren M hahen von der Basis des Eckzahns gemessen die gleiche Sagittallänge von 32 mm, beim grössten M 33, beim F 31. Bei dem alten M fehlt der kleine Schneidezahn jederseits im Oberkiefer, den die übrigen besitzen. Beim F For. infraorb. länger, Jochbogen vorn und die bintere Schuppe schwächer, ebenso der ganze Oberkiefer und die Auftreibung der Nasenbeine, Massetergrube flacher, Eckzähne zarter und schwächer, der kleine Lückzahn niedriger.

Grösste Breite zwischen den Jochbogen bei F 17.5 mm, bei M adult 19.5, bei letzterem die grösste Breite am Hinterhaupt 15, die schmalste Stelle vorn an der Einschnürung 4.5, Breite des Oberkiefers 10, Schädelhöhe 14.5. Bullae aud, bestehen aus 2 Kapseln, die vordere bis dicht an den Condylus des Unterkiefers vorgezogen, je 3 mm breit , Hinterhauptloch 5.5 breit, 4.5 hoch, Zahnreihe von der Hinterseite des Eckzahns 10, Entfernung der C 8, Länge von C 7 mm, F 5. Der Unterkiefer besonders an der Sutura mentalis kräftig, Massetergrube tief; Eckfortsatz lang und schmal, nach hinten und aussen gerichtet, 2.5 lang; hinterer Ast schräg aufsteigend, Condylus 3 mm breit, Coracoidfortsatz dreieckig rundlich, hinten ausgebogen. Länge des Unterkiefers bis ZUm Condylus 24, Höhe des horizontalen Astes in der Mitte 3 mm. Zahnreibe 12,5. Entfernung hinten oben 8, unten 6 mm.

Zähne. C oben vorn und innen gerillt mit starker, übergreifender Basis, vorn und hinten an der Innenseite ein Zacken, P I ein kleiner, ganz nach oben gerückter, 0.3 hoher Stift, P II dreieckig, $^{1}/_{3}$ so hoch wie C, mit hinterem und innerem Nebenzacken, M I u. II mit den bekannten V-förmigen Höckern und niedrigem Seitenhöcker, M III V-förmig mit viel schwächeren Zacken. Im geschlossenen Zustands der Kiefer greifen die W-Höcker über die unteren M über. Die im knorpeligen ZWischenkiefer stehenden I, mit den Spitzen nach innen, sehr klein und rudimentär. Unten I klein, dreilappig mit langer Wurzel, C an der Basis mit wulstigem Rande, vorn nicht gerillt, hinten ausgekehlt, bei M ad. 6, bei F 4 mm hoch, P I = $^{1}/_{3}$ C, oben dreieckig zugespitzt, P II = $^{2}/_{3}$ C, vorn und hinten innen kleine Basalzacken, M W-förmig ohne innere Seitenzacken, M III verkleinert, Schon halb in dem aufsteigenden Aste sitzend. Sämmtliche Zähne oben und unten mit BasalwUlst.

Phyllorrhina bicornis Heuglin, 1861

p. 7

Grisescente-albida, cervice, collo. dorsoque obscurioribus, pilis omnibus apice fuscescentibus; facie pallide murina; regione inguinale pure alba; auriculis griseis, intus helicem versus violascentibus; prosthemate simplice replicato et cristam transversalem implicante; auriculis latis approximatis, margine interiore semilunare, exteriore falciforme, hic basi lobato.

Die Ohren sind um $^{1}/_{3}$ - $^{1}/_{4}$ kürzer als der Kopf, 6‴ lang, innen grossentheils ziemlich dicht und fein behaart, der Aussenrand Sförmig, an der Basis

p. 8

der Wurzel des Innenrandes sehr nahe gerückt und dort mit einem zugespitzten Ausschnitte versehen, innen mit 8 - 10 undeutlichen Querfalten. Die Nase mit drei halbkreisförmigen, aufeinander liegenden Blättern (Hufeisen) umgeben, deren zwei untere in der Oberlippengegend absetzen.

Zwischen den Nasenlöchern und dem nach vorne zu gerichteten Theile des obern Hufeisenblattes eine kleine fleischige Leiste, daneben jederseits ein kleiner hornförmiger Lappen, der auf- und rückwärts gebogen ist und wohl zum Verschliessen der Nasenlöcher dienen kann. Auf dem Nasenrücken steht ein niedriger, oben mit zwei flachen Kerben versehener Querkamm, auf dessen nach vorne gerichteter Seite vier in einer Linie liegende violette Wärzchen; dieser Querkamm ist umschlossen von einem an seiner hinteren Basis entspringenden, wenig erhabeneren ganzrandigen und oben und seitwärts umgefalteten, oben und hinten etwas behaarten *Prosthema*; und hinter letzterem endlich befindet sich ein ringförmiges, vorne mit etwas erhöhtem Rande versehenes, in der Mitte aber durchbohrtes Organ, das in eine Stirnrinne zu münden scheint.

Im Oberkiefer am beweglichen, etwas prolongirten Zwischenkiefer jederseits einen oben abgerundeten Schneidezahn. Im Gaumen 8 Querfalten. - Daumen vom ersten Gliede an frei. Der Zeigfinger besteht nur aus einer Phalange. Schenkelflughaut bis zur Zehenwurzel reichend. Schwanz mittellang mit wenig freier Spitze, das *Patagium anale* in sehr spitzem Winkel in ihn verlaufend. Zehen wie beim ganzen Genus zweigliederig.

Die Lippen sind mit kleinen violett-röthlichen Drüsen besetzt und fein behaart, der Pelz im allgemeinen graulich-weiss, alle Haare mit röthlich- bis rauch-grauen Spitzen, welche auf dem Rücken, Scheitel und Halse an Intensität der Färbung zunehmen. Gesicht hell mausgrau, Gegend um die Geschlechtstheile weiss. Ohrmuschel hell rauchgrau, im Innern ins Violette spielend. Flughäute schwärzlich. Körper 2" lang, Schwanz 11‴. Flugweite fast $10^{1}/_{2}$".

Phyllorrhina cyclops Temminck, 1853

p. 75

PHYLLORRHINA CYCLOPS.
PHYLLORRHINE CYCLOPE.

Cette espèce paraît habiter de préférence les rives

p. 76
boissées des eaux; elle vole, pendant le crépuscule, à la lisière des forêts voisines des rivières. Elle est facile à distinguer de ses congénères, par son pelage cotonneux, frisé et comme ébourifé partout. Le mâle, un peu en arrière de la feuille compliquée du nez, est muni d'un large syphon, qui s'ouvre sur le front; la femelle porte simplement le stigmate d'une ouverture, sans qu'il conduise à une bourse. La membrane interfémorale est découpée en demi cercle, et la courte queue qui s'y trouve engagée, n'a que sa pointe libre. Les oreilles sont longues, pointues et sans oreillon mobile.

Tout le pelage supérieur et inférieur est d'une même nuance, et il n'existe sous ce rapport aucune différence, qui puisse servir de moyen pour distinguer les sexes.

Le pelage supérieur est brun-noirâtre, mais le bout frisé de tous les poils est jaunâtre; en dessous il est brun-bistre, à bout des poils également jaunâtre. La feuille transversale qui prend naissance entre le pelage touffu du front, s'élève en deux lobes, séparés par une échancrure, de laquelle sort une petite feuille très-étroite; sur le bourrelet s'élève une autre petite feuille, à laquelle vient aboutir le large derme du fer-à-cheval, accompagné en dessous d'une seconde membrane. L'ouverture au front du mâle est entourée par le pelage laineux et enbourifé; la poche est également tapissée de poils onctueux. La moitié de l'antibrachium est couvert par le pelage.

Longueur du bout du museau à la pointe de la queue 3 pouces 6 lignes; hauteur des oreilles 1 pouce; queue 6 lignes; envergure 12 pouces 6 a 9 lignes; antibrachium 1 pouce 6 lignes.

p. 77
Patrie. L'on trouve cette espèce sur la rivière Boutry, côte de Guiné.

Phyllorrhina fuliginosa Temminck, 1853

p. 77

PHYLLORRHINA FULIGINOSA.
PHYLLORRHINE FULIGINEUX.

L'espèce nouvelle décrite ici sur un *sujet unique*, de sexe *féminin*, de toutes celles qui me sont connues est la moins affublée de membranes ou de feuilles nasales; les oreilles sont grandes et larges, et leur bord antérieur interne est garni de poils. La membrane interfémorale est ample et longue; la queue s'y trouve engagée totalement. Tout le système cutané est nu.

Parties supérieures du pelage d'un roux de rouille vif, mais la base de tous les poils est peinte de roux-doré; la tête, le devant du cou, toutes les parties inférieures ainsi que le ruban latéral, le long des flancs, sont d'un roux-doré vif. Pour toute membrane l'on voit seulement une feuille transversale, peu apparente, d'où se détache le petit fer-à-cheval en liséré, qui est un peu plus large vers le muffle, et qu'accompagnent deux petits plis, à peine visibles. La base postérieure, ainsi que le bord antérieur interne des grandes oreilles, sont couverts de poils. Les membranes sont nues et noires.

Longueur 3 pouces 4 lignes; dont la queue prend 1 pouce 3 lignes; envergure 11 pouces 6 lignes; antibrachium 2 pouces.

p. 78

Sur la vue d'un seul individu *femelle*; ce qui fait qu'on ne peut indiquer, s'il y a ou non différence de coloration du pelage dans les sexes, ni s'il est certain que le *mâle* soit pourvu d'un syphon.

Patrie. La côte de Guiné.

Phyllorrhina gracilis Peters, 1852

p. 36

Tafel VII. Tafel XIII. Fig. 14. 15.

Ph. rufocorticina, subtus ex albo rufescens, patagiis umbrinis; auriculis capite quarta parte brevioribus, lobulo distincto; prosthemate simplice, concaco, margine reflexo, apertura frontali transversali; plicis accessoriis ad utrumque ferri equini latus binis; digito quarto et quinto apice bifidis; metacarpo digiti quarti breviore quam digiti tertii; alis supra tarsum terminatis; crure capite longiore.

Longitudo tota 0,090; caudae 0,032; antibrachii 0,046; volatus 0,270.

Habitatio: Africa orientalis, Tette, 17° Lat. Austr.

Körper und Gliedmafsen schlank und zart. Die Ohren sind grofs, um ein Viertel kürzer als der Kopf, entwickelt etwas breiter als lang, an ihrer äufsern Oberfläche bis auf das letzte Viertel behaart; sie ragen mit ihrem vordem Rande bis nahe an die kleinen Augen, und sind auch an ihrer innern Fläche bis zum Längskiel. welcher durch das zweite Fünftel des Ohr verläuft, mit Haaren besetzt; an ihrem hintern Rande sind sie schwach ausgerandet, mit kurzer seitlich vorspringender Spitze; man kann 13 Querfalten zählen, deren mittlere sich bis zum Längskiel erstrecken; der Ohrlappen ist abgerundet und deutlich abgesetzt. Das Aug liegt der Ohrenbasis ein wenig näher als dem Schnauzenende. Das Hufeisen ist schmal, an den Seiten ein wenig ausgeschnitten, zu jeder Seite VOn zwei feinen Nebenfalten umgeben

p. 37

nach innen von den Nasengruben durch kleine am Ende zweizipflige Läppchen getrennt; die mittlere Abtheilung des Nasenbesatzes ist etwas breiter als lang, abgerundet dreieckig, am obern Rande behaart; das Prosthema ist einfach, am Rande nackt und nach oben umgeschlagen, durch keine Längsfalte mit der mittleren Abtheiling verbunden, so dafs nur eine einfache breite Grube zwischen denselben erscheint. Zu beiden Seiten, gleich hinter dem Prosthema, liegt eine drüsige Hervorragung, und nach der Mitte zu mehr zurück eine quere Oeffnun, aus der vorn ein kleines zungenförmiges Hautlappchen vorspringt, hinten ein paar längere Haarbüschel hervorkommen. Das Gesicht ist bis auf den nackten vordern Theil der Lippen kurz aber dicht behaart. Von der Mitte der Operlippe gehteine schmale nackte Leiste bis zum Nasenbesatz hinauf. Am Gaumen bemerkt man zehn quere Schleimhautfalten, von denen die sechs letzten gedrängter stehenden den Raum zwischen den beiden vorletzten Backzahnpaaren einnehmen. Der schlanke Körper ist doppelt so lang wie der Kopf. Die Mittelhandglieder nehmen vom zweiten bis fünften Finger progressiv an Länge ab. Die Phalangen des dritten Fingers zusammen sind kürzer als die Mittelhand desselben. Die kleinen Endglieder des dritten und vierten Fingers theilen sich in zwei Äste, auf dieselbe Weise, wie man es beim letzten Schwanzgliede der *Nycteris* beobachtet. Die Flughaut endigt am Unterschenkel, etwas oberhalb der Fufswurzel. Der Fufs ist nicht so lang wie der Unterschenkel; der Bau der Zehen und Krallen, wie bei der vorhergehenden Art. Die Schenkelflughaut ist zu jeder Seite zwischen dem Schwanz und dem Sporn flach ausgeschnitten. Der Schwanz ist mehr ab ein halb Mal langer als der Unterschenkel, und ragt mit einem kurzen Ende frei aus der Schenkelflughaut hervor: sein vorletztes Glied is das langste von allen.

Die Behaaring ist fein und land, läfst den gröfsten Theil des Oberarms und Schenkel frei, und geht an der Bauchseite nur ein wenig weiter als and der Rückseite auf die FlUghäute Uber. Die Längslaufen der Flughäute sind sowohl oben wie unten mit ganz kurzen Härchen versehen.

Die Farbe an der Rückenseite ist hell röthlich nelkenbraun, an der Bauchseite röthlich weifs, an der Brust mit stärkerem röthlichbraunen Aufluge. Im Gesicht ist die braune Farbe gestättigter. Die Haare des Rückens, des Oberkopfes und der Seiten des Halses sind an der Basis und Spitze röthlich braun, am übrigen gröfsten mittleren Theile weifs. Die Bauchhaare sind am Grundtheile braun, an der Spitze weifs. An der Brust finden sich Haare mit weilser und mit bräunlicher Spitze. Die Farbe der Flughäute ist hell umbrabraun. Die Nägel sind schmutzig weifs. Beim ausgestopften Thiere erscheint die Rückseite durch Auseinanderweichen der Haare gefleckt.

Der Bau der Eingeweide stimmt mit dem der vorigen Art ganz überein. Auch das Skelet weicht nur wenig ab. Man kann nur sechs getrennte Halswirbel unterscheiden; darauf folgt ein Knochenstück, das aus der Verwachsuug des siebenten Halswirbels und der zwei obersten Rückenwirbel mit den beiden ersten Rippen und dem Manubrium sterni hervorgegangen ist, an dem man aber keine Spur der ehemaligen Trennung findet; dann kommen

p. 38

noch zehn rippentragende Wirbel, fünf verwachsene erste und zwei getrennte letzte Lendenwirbel; das Kreuzbein besteht aus drei, und der Schwanz aus zehn Wirbeln, von welchen der letzte nur $^1/_2$ Mm. lang ist, der vierte und fünfte Endwirbel dagegen am meisten gestreckt erscheinen. Die beiden ersten Rippenpaare sind, wie oben bemerkt, verwachsen. Die drei folgenden verbinden sich durch besondere Knorpel mit dem Brustbein. Die 6te, 7te und 8te Rippe stehen mit demselben durch ein gemeinschaftliches breites Knochenstück in Verbindung, und die vier letzten sind frei. Der Schädel (Taf. XIII. Fig. 14, 15) zeigt keine so grofsen Knochenkämmen und die Gehöröffnung ist mehr nach der Mitte gerückt; die Zähne zeigen im allgemeinen dieselbe Form und Anordnung, doch ist die Schmelzleiste des letzten ohern und untern Backzahns etwas mehr entwickelt, und die oberen Schneidezähne sind undeutlich zweilappig.

Diese zierliche Art stammt aus dem Innern des Landes, aus Tette. Das einzige Exemplar, welches ich erlangte, ein Männchen, verlor sich, durch das Licht verlockt, in meine Wohnung. Die Nahrung besteht, wie aus dem Inhalte des Magens, Überbleibseln von Hymenopteren, hervorgeht, aus Insecten.

Mafse in Millimetern.

Länge von der Schnauze bis zur Schwanzspitze: 90
Flugweite: 270
Länge des Kopfes: 19
Länge des Nasenbesatzes: 5
Breite desselben: $4^1/_2$
Höhe des Ohres: 14
Breite des Ohres: $14^1/_2$
Länge des Oberarms: 28
Länge des Vorderarms: 46
Länge des Daumens (Mittelh. $3^1/_2$. 1.Gl. $2^1/_2$. 2.Gl. $1^1/_2$): $7^1/_2$
Länge des 2ten Fing. (Mittelh. $38^1/_2$. 1.Gl. $^1/_2$): 39
Länge des 3ten Fing. (Millelh. 36. 1Gl. $14^1/_2$. 2.Gl. $16^1/_2$. 3.Gl. $1^1/_2$): $68^1/_2$
Länge des 4ten Fing. (Mittelh. 35. 1.Gl. $9^1/_4$. 2.Gl. 8. 3.Gl.$^1/_4$): $52^1/_2$

Länge des 5ten Fing. (Mittelh. 31. 1.Gl. $11^1/_2$. 2.Gl. $9^1/_2$. 3.Gl. $^1/_4$: $52^1/_4$
Länge des Oberschenkels: 22
Länge des Unterschenkels: 20
Länge des ganzen Fufses: 8
Länge der mittleren Zehen: 4
Länge des Sporns: 11
Länge des Schwanzes: 32
Länge des Schädels: $17^1/_2$

Von den hisher beschriebenen Arten ist mir keine bekannt, welche mit dieser südostafrikanischen zu verwechseln wäre.

Phyllorrhina megalotis Heuglin, 1861

p. 8

Minima; auriculis rotundatis, maximis fronte connatis; membrana semi-

p. 9

orbiculare (ferrum equinum) simplice; vellere sericato, facie nitide et delicatissime flavo-ferruginea; stria parva nigricante, per oculos ducta; notaeo pilis apice lata chocolalina, dimidio basali cinerascante albido; gastraeo albo, pallide isabellino-induto.

Diese sehr aberrante Art gehört wegen ihrer zweigliederigen Zehen und in Folge der vollständig gleichen Bildung der Finger und Schneidezähne und theilweise auch des Nasenbesatzes zu *Phyllorrhina*, weicht jedoch hievon in einigen Stücken ebenso sehr ab, als von *Rhinolophus*: die Ohren sind nämlich sehr lang, breit und gerundet, auf der Stirn sich sehr genähert, dort durch eine niedrige Hautfalte verbunden, nach vorn stehend und ihr Aussenrand an der Basis über die des Innenrandes dem Maule zu vorgerückt; der breite Lappen des ersteren (Aussenrandes) kaum durch eine leichte Kerbe vom Rande geschieden, nach vorn tief und fast rechtwinkelig zum Grunde des Ohres eingesenkt Ohrmuschel mit ungefähr 20 feinen, aber sehr deutlich ausgesprochenen Querfalten, der Innenrand und ein ihm naheliegender und mit demselben parallel laufender Faltenrückeh innen behaart. Das Hufeisen selbst besteht nur aus einer einzigen Falte, in der beckenartig vertieften Nasengrube seitwärts je ein und in der Mitte ein drittes, wohl theils zum Verschluss der Nasenlöcher dienendes Fleischläppchen, die zusammen einer Ankerform - - zu vergleichen sind; dahinter der mit vier nach vorne gerichteten Wärzchen oder Drüsen versehene ungekerbte Querkamm, der nach hinten strahlenförmig mit einem rundlichen, auf- und vorgerichteten niedrigen Hautblatt geziert ist. Die Flughautspitze erreicht kaum den Vorderfuss; die Fusswurzel ist ganz frei; das erste Daumenglied dagegen beiderseits von ihr umschlossen. Der Schwanz ganz vom *Patagium interfemorale* eingeschlossen; von der Calcaneusspitze zieht sich eine feine hornige, an den Schwanzspitzen zusammenlaufende Vorstreckung herab. An seiner Spitze einige feine Härchen; ebenso die Zehenglieder mit einzelnen kleineren borstenartigen Haaren bekleidet.

Die Zähne genauer zu analysiren, ist mir auf der Reise unmöglich, da ich das einzige Exemplar (M) nicht seciren möchte. Bezüglich der Stellung der Schneidezähne im oberen beweglichen Zwischenkiefer und was die Zahl der

p. 10

Schneide- und Eckzähne ($^1/_2$ - $^1/_1$ anbelangt, weicht diese neue Art gar nicht von *Phyllorrhina* ab. Die oberen Eckzähne nach innen und vorne und nach aussen und hinten mit einer Zahnkrone versehen, die etwas am Hauptzahne heraufläuft und oben eine ausgezackte Spitze hat. Gaumen mit 6 Falten, deren 2 erste fleischig, dick und breit und mit vielen Papillen oder Widerhäkchen besetzt sind.

Die Behaarung der Schnauze ist verhältnissmässig kräftig und dicht, an den übrigen Theilen des Körpers sehr fein und sammtartig. Gesicht fuchsroth ins Gelbe, welche Farbe nach hinten zu allmählich verläuft und am Kinn fast nicht ausgesprochen ist; durch die kleinen Augen ein schwärzlicher Streifen. Oberseite weisslich-grau, alle Haare mit breiter chokolade-brauner Spitze; Unterseite weisslich, namentlich seitlich fein rothgelblich überflogen; die Ohren sehr hell -, Flughaut wenig dunkler graulich. Im Innern der Ohren zwischen den Falten ja eine Reihe weisslicher, drüsenartiger Punkte.

Diese Art fliegt, wie es scheint, bei Nacht; in der Dämmerung habe ich sie nie gesehen. Sie ist äusserst behende und flink in ihrer Bewegung.

Phyllorrhina vittata Peters, 1852

p. 32

Tafel VI. Tafel XIII. Fig. 7 - 13.

Ph. cervina, vittis quatuor dorsalibus albitlis, cervice albide irrorata, gastraeo canescente, lateribus albis, alis fuscis; auriculis ovatis, acuminatis; apertura frontali magna longitudinali; prosthemate lato, foveis quatuor insigni; plicis accessoriis ad utrumque ferri equini latus quaternis; cauda crure breviori.

Longitudo a rostro ad caudae apicem 0,150, capitis 0,040, antibrachii 0,105.

Habitatio: Africa orientalis, Insula Ibo, 12° 20 ' Lat. .Austr.

Phyllorrhina vittata. W. PETERS, Mittheilung in der Gesellschaft naturforschender Freunde zu Berlin, am 21. August 1849.

Der Kopf dieser grofsen Hufeisennase ist doppelt so lang wie breit und hoch; die Schnauze vorn stumpf und breit. Das Auge liegt in der Mitte zwischen Ohr und Schnauze; die Augenlidränder sind ringsum mit abstehenden Haaren besetzt. Die Ohren sind um ein Drittel kürzer als der Kopf, lang zugespitzt, am hintern Rande bogenförmig ausgeschnitten, und haben dreizehn Querfalten, von denen nur acht bis neun sehr hervorspringen; am vorderen Rande, am Längskiel, und am untern Drittel ihrer Aufsenfläche sind sie lang behaart; die Ohrecke ist klein und undeutlich abgegrenzt. Der Nasenbesatz ist ähnlich wie bei *Phyllorrhina (Rh.) insignis*, Horsfield; die vordere Abtheilung, das Hufeisen, ist einfach, viel breiter als lang, jederseits nach innen durch eine dreieckige Klappe von den Nasengruben getrennt, und in der Mitte vor ihnen mit einem abgerundeten Längswulst versehen: neben jeder Seite des Hufeisens erheben sich vier progressiv an Gröfse abnehmende Hautfalten; die mittlere Abtheilung, deren Gestalt man mit einer Hübe vergleichen kann, welche ihr spitzes Wurzelende zwischen die aufgewulsteten inneren Nasenränder absendet, ist sehr kurz, drei Mal so breit wie lang; die hinterste Ahtheilung, das Prosthema, ist so lang und breit wie die vorhergehende, hinten mit der Stirnhaut durch zwei, vorn mit der rühenförmigen Abtheilllng durch fünf Falten, zwisehen denen vier tiefe Gruben liegen, verbunden. Hinter dem Nasenblatt, sowohl bei dem Männchen wie bei dem Weibchen, liegt eine $3^1/_2$ Millimeter lange wulstig gerandete Spalte welche in eine geschlossene behaarte Höhle führt, und zu beiden Seiten derselben eine warzenförmige, durch Borsten ausgezeichnete Hervorragung mit zwei sehr feinen Oeffnungen, den Ausmündungen kleiner Drüsen. Die Lippen sind breit, an ihrer Aufsenfläche sparsam behaart und durch zahlreiche Drüsenhervorragungen ausgezeichnet. Die Schleimhaut der Unterlippe springt in der Mitte in Form einer dreieckigen glatten Fläche hervor, welcher eine kleinere körnige nackte Stelle der Oberlippe entspricht. Die Maulöffnung ist halbkreisförmig und reicht eben so weit nach hinten wie das Hufeisen. Die Schleimhaut des Gaumens bildet neun wulstige Querfalten. Der Körper ist stark und doppelt so lang wie der Kopf. Die Flughäute setzen sich ganz seitlich und entfernt von einander an. Der Oberarm ist um eine Hälfte länger

p. 33

als der Kopf; der Vorderarm und die Finger sind ebenfalls sehr lang, so dafs die Flugweite nahe an zwei Fufs beträgt. Der Daumen ist kurz, und die Halsflughaut setzt sich nicht über sein Mittelhandglied hinaus an. Die Mittelhandglieder der folgenden Finger nehmen progressiv vom zweiten bis fünften ein wenig an Länge ab. Die Phalangen des dritten Fingers zusammen sind länger als der Mittelhandknochen desselben. Die beiden Phalangen des fünften Fingers sind um ein Geringes länger als die entsprechenden Glieder des vierten Fingers. Alle vier Finger sind mit einem kleinen knorpeligen Endgliede versehen, welches eine einfache Verlängerung derselben darstellt. Der Oberschenkel ist nur wenig kürzer als der Unterschenkel, welcher ebenso lang ist wie der Kopf. Die Flughäute gehen his auf die Fufswurzel herab. Die Zehen sind kräftig; die erste und fünfte um ein Geringes kürzer als die mittleren; ihre Krallen sind merklich gröfser als die Daumenkrallen. Der kurze Schwanz ragt mit seinen letzten beiden Gliedern aus der spitzwinklig ausgeschnittenen Schenkelflughaut hervor.

Die Behaarung ist reich, an der Bauchseite, zumal am Halse und an der Brust viel länger als am Rücken; auf den Oberarm dehnt sich die Behaarung vorn und hinten gleich weit aus; am Oberschenkel dagegen geht sie an der Rückenseite weiter herab als an der Bauchseite. Die Schenkelflughaut ist bis zur Mitte sparsam und lang behaart, die Seitenflügel zeigen dagegen nur zerstreute kurze Härchen auf den Querfalten.

Die Farhe des Rückens ist rehbraun, bei dem Weibchen ins Kästenbraune spielend, mit vier gelblichweifsen Längsbinden, von denen zwei längs des Ansatzes der Seitenflügel, und zwei etwas verwischte vom Nacken herabsteigend neben der Wirbelsäule verlaufen. Oberkopf und Nacken sind mit Weifs besprengt. Die Bauchseite ist graulich weifs, an den Seiten mit einem gelblicnweifsen Saum, der sich über den Ansatz der Halsflughaut nach dem Rücken herumschlägt. Das Gesicht ist schmutzig weifs. Die nackten Theile der Lippen, der Nasenbesatz und die Ohren sind von brauner Hautfarbe. Die Flügel sind dunkelbraun, die Nägel braunschwarz. Die braunen Rückenhaare sind zum Theil einfarbig, zum Theil weifs beringt, die des Oberkopfes und Nackens zum Theil mit weifsen Spitzen versehen; die Haare des Bauches sind an ihrem Enddrittheile schmutzig weifs, im übrigen braun; die weifsen Haare zur Seite der Brust und über dem Ansatz der Halsflughaut sind einfarbig.

Das Skelet zeichnet sich, wie das der Hufeisennasen überhaupt, durch die Stärke und Breite der Rippen aus. Der siebente Halswirbel, die beiden ersten Rückenwirbel, das Manubrium sterni und die beiden ersten Rippen sind zu einem Stücke mit einander verschmolzen, eben so sind die fünf ersten Lendenwirbel zusammengewachsen, wodurch der Brustkasten eine vogelähnliche Festigkeit erhält. Es sind 11 Rippenpaare vorhanden, von denen sich 7 mit dem Brusthein verbinden. An dem Brustbein kann man aufser dem mit den ersten Rippen verwachsenen breiten Manubrium noch zwei Knochenstücke und den knorpligen Fortsatz des Processus xiphoideus unterscheiden. Die Wirbelsäule besteht aus 42 Wirbelkörpern. Diese zerfallen in 7 Halswirbel, 11 Brustwirbel, 7 Lendenwirbel, von denen der erste einen ganz kleinen zwei Millimeter langen Rippenfortsatz trägt, 4 verwachsene Kreuzbeinwirhel, und

p. 34

13 Schwanzwirbel. Die ersten Schwanzwirbel nähern sich in ihrer Gestalt noch sehr den Kreuzbeinwirbeln, wodurch es hier eben so wie bei andern Flederthieren schwierig wird, eine genaue Grenze zwischen Schwanz- und Kreuzbeinwirbeln zu ziehen. Die Länge des Schädels (Taf. XIII.) beträgt etwas weniger als ein Drittel der Wirbelsäule; die Längsgrähte desselben ist aufserordentlich stark und die Nähte sind so verwachsen, dafs sich die Grenze der einzelnen Knochen nicht mehr bestimmen läfst. Gebifs: $^{3\,2}/_{3\,2}{}^{1}/_{1}{}^{1\,1}/_{4}{}^{1}/_{1}{}^{2\,3}/_{2\,3} = 30$. Die beiden oberen kleinen Schneidezähne stehen getrennt, jeder in dem vordem Ende des Zwischenkiefers seiner Seite, nach vorn gerichtet; ihre Gestalt ist abgerundet, von aufsen nach innen und unten schräg abgestutzt. Die vier unteren Vorderzähne stehen senkrecht und der Quere Dach in zwei Reihen zwischen den Eckzähnen zusammengedrängt; ihre Krone ist dreilappig und zwar so, dafs der äufsere Lappen immer der kleinere ist. Die oberen Eckzähne sind sehr grofs, an ihrer Aufsenseite doppelt gefurcht, vorn und hinten mit einem starken Absatz versehen. Die unteren Eckzahne sind kleiner, ohne Furchung und nur am hintern Rande des stark entwickelten Cingulums durch einen kleinen hakigen Absatz ausgezeichnet. Von den obern Backzähnen ist der erste ein ganz kleiner rundlicher, nach aufsen gedrängter Lückenzahn; der zweite ist eckzahnförmig und hat drei Nebenzacken, einen vorderen sehr kleinen, einen hintern gröfseren, und einen inneren ganz oben an seiner Basis; der dritte und vierte sind an Gröfse und Form einander ähnlich, aufser den fünf Höckern auf ihrer w förmigen Schmelzleiste noch mit einem sechsten oben an ihrer innern Seite versehen: die Schmelzleiste des fünften und letzten, welche kaum halb so grofs ist wie die vorhergehenden, ist unvollständig, V förmig. Der erste untere Lückenzahn ist einwurzelig, an der Spitze zusammengedrückt, breit lanzettförmig schneidend; der folgende Lückenzahn ist

zweiwurzelig, dreiseitig, langspitzig und in seiner Gestalt der ersten Hälfte der darauf folgenden Backzähne entsprechend; diese, der dritte und vierte haben eine nach innen offene W förmige Schmelzfalte mit drei inneren und zwei äufseren Höckern, von denen der vordere äufsero der gröfste ist; der fünfte untere Backzahn ist wie die vorhergehenden gestaltet, aber es mangelt ihm das letzte Viertel, so dafs er nur vierhöckerig erscheint.

Das Oberarmbein trägt neben seinem äufsern Condylus ein kleines besonders eingelenktes Knochenstück, an welchem die langen Streckmuskeln der Hand entspringen und welches allen Fledermäusen zuzukommen scheint. Die Ulna ist rudimentär und das Olecranon getrennt. Die Handwurzel besteht aus sieben Knochen, welche in zwei Reihen, drei in der ersten, vier in der zweiten, liegen. Die Fibula ist sehr fein aber vollständig (Taf XIII. Fig. 13), wie auch bei allen übrigen Hufeisennasen, vorhanden. An dem Unterschenkel schliefst sieh die Fufswurzel an, welche eben so wie bei dem Menschen aus sieben Knochen in zwei Reihen, drei in der ersten und vier in der zweiten Reihe besteht. Darauf folgt die Reihe der fünf fast gleich langen Mittelfufsknochen, und dann die Zehen, von denen jede aus einem sehr langen Basalgliede und aus dem krallentragenden gekrümmten Endgliede besteht.

Die Zunge ist mit platten hornartigen Papillen hedeckt, welche auf der Mitte ihre vordem Hälfte gröfser und zwei- bis dreispitzig sind. Der Oesophagus geht sogleich unter

p. 35

dem Zwerchfell in einen bohnenförmigen, 35 Millimeter langen Magen über, welcher links in einen gröfsern, rechts in einen kleinem Blindsack erweitert ist; der durch eine kreisförmige Schleimhautfalte abgegrenzte Pförtner liegt ganz nahe neben der Cardia. Der ganze Darm hat eine Länge von 38 Centimetern. Die Leber liegt mehr nach rechts, und besteht aus drei Hauptlappen, einem linken gröfsern, und zwei rechten kleineren; die Gallenblase, welche grofs und von eiförmiger Gestalt ist, liegt in dem tiefen mittlern Einschnitte, wodurch der linke Lappen von dem rechten getrennt wird. Die Milz legt sich schief an den linken Blindsack des Magen, ist sehr schmal, an dem untern Ende zugespitzt und 25 Millimeter lang. Das Pancreas ist vielfach gelappt, sehr ausgedehnt und dünn. Die Nieren sind bohnenförmig, ungelappt, 9 Millimeter lang, und bestehen im Innern aus drei in sehr lange Papillen endigenden Pyramiden. Die Nebennieren sind platt, abgerundet dreieckig, ihr gröfster Durchmesser nur $^1/_2$ Millimeter lang. Die Luftröhre ist unter dem Kehlkopf zu beiden Seiten blasig erweitert. Die Lunge bildet jederseits nur einen einzigen Lappen. Das Herz hat eine Länge von 14, an der Basis eine Breite von 10 Millimetern. Der Uterus des Weibchens ist zweihörnig. Die Hoden des Männchens liegen in der Bauchhöhle; die Ruthe desselben ist 12 Millimeter lang, die Oeffnung der Harnröhre sehr weit, und die Eichel an ihrer untern Hälfte mit einem breiten Knorpel versehen. Sehr merkwürdig ist der Bau der Höhle vor der Stirn, in welche die Längsspalte hinter der Nase hineinführt; ihre Wandung besteht nämlich aus einer halbkugeligen Knorpelkapsel, die heim Durchschnitt vorn dicker als hinten erscheint; an ihrer concaven nach aufsen gekehrten Wandung münden zahlreiche Drüsehen aus, welche besonders in der vordem Hälfte starker angehäuft und entwickelt sind; aus dem hintern Theile dagegen ragen lange vorwärts gerichtete Haare hervor, welche durch das bräunliche Drüsensecret angefeuchtet sind.

Der Inhalt des Magens bestand aus Sand und Überbleibseln von Insecten.

Die beiden einzigen Exemplare, welche ich von dieser grofsen Hufeisennase erhalten habe, wurden auf Ibo, einer der Querimba-Inseln, gefangen, und zwar wurde eins derselhen auf einer Cocospalme erhascht, wo es sich durch Palmwein berauscht hatte.

Mafse in Millimetern.

	M; F
Länge von dem Ende der Schnauze bis zur Schwanzspitze:	150; 140
Flugweite:	620; 540
Länge des Kopfes:	40; 35
Länge des Nasenbesatzes:	14; 13
Breite desselben:	12; 10
Länge des Ohrs:	26; 24
Breite des Ohrs:	17; 15
Länge des Oberarms:	60; 52
Länge des Vorderarms:	105; 90

p. 36

Länge des Daumens (Mittelh. $8^1/_2$, 7. 1.Gl. $8^1/_2$, 7. 2.Gl. 6, $5^3/_4$):	23; 20
Länge d. 2ten Fingers (Mittelh. 76, 67. 1.Gl. $2^1/_2$, 2):	$78^1/_2$; 69
Länge d. 3ten Fingers (Mittelh. 75, 65. 1.Gl. 34, 31. 2.Gl. 45, $38^1/_2$. 3.Gl. $1^1/_2$, $1^1/_2$):	156; 136
Länge d. 4ten Fingers (Mittelh. 74, 63. 1.Gl. 27, 24. 2.Gl. $15^1/_2$, 12. 3.Gl. $1^1/_2$, 1):	118; 102
Länge d. 5ten Fingers (Mittelh. 73, 62. 1.Gl. $27^1/_2$, $24^1/_2$. 2.Gl. $16^1/_2$, 15. 3.Gl. 1, 1):	118; $102/_2$
Länge des Oberschenkels:	37; 29
Länge des Unterschenkels:	40; $31^1/_2$
Länge des ganzen Fufses:	27; 23
Länge der mittlern Zehen mit dem Nagel:	16; 14
Länge des Sporns:	18; 16
Länge des Schwanzes:	30; 25
Länge des Schädels:	36; 33
Länge der ganzen Wirbelsäule:	115

Die einzige Art, welche durch ihre Gröfsenverhältnisse mit der unsrigen übereinkommt ist A. Wagners *Ph. (Rh.) gigas* aus Benguella. Sie unterscheidet sich aber leicht durch die rufsbraune Farbe, durch nur drei falten zu jeder Seite des Hufeisens, durch den Mangel (oder die Kleinheit?) der Stirnöffnung, und durch die nicht bis zur Ferse herabreichenden Flughäute.

Pipistrellus (Pipistrellus) permixtus Aellen, 1957

p. 200

Type. - F adulte, Dar es Salam, Tanganyika, 1905 (Hürstel). Musée zoologique de Strasbourg, n° 12c. Spécimen en alcool; crâne extrait, incomplet.

p. 201

Description. - C'est une espèce très semblable à *P. nathusii* (Keys. Et Blas.), mais à oreilles plus petites, n'arrivant pas à l'extrémité du museau lorsqu'elles sont repliées en avant; le sommet de l'oreille est arrondi, son bord externe légèrement concave. Le tragus est falciforme; sa plus grande largeur est atteinte un petit peu au-dessus du niveau de la moitié de la hauteur de son bord interne. Le pouce est allongé. Le patagium, attaché à la base du 5^{e} orteil, englobe complètement la queue. Le pied est plutôt petit. Le lobe postcalcanéen, large, bien marqué, est du type *nathusii*. Les plis palataux présentent la disposition suivante: 1er entier, droit, situé au milieu de C; 2^{e} entier, biarqué, au milieu de P^{4}; les quatre suivants interrompus au milieu, incurvés en arrière et partant respectivement du milieu de M^{1}, du bord antérieur de M^{2}, du bord postérieur de M^{2} et du milieu de M^{3}; 7 ^{e} entier, biarqué, partant du bord postérieur de M^{3}; cette disposition rappelle beaucoup celle figurée par KUZYAKIN pour *nathusii*.

A la face dorsale, les poils s'étendent à peine sur le cinquième proximal de l'uropatagium. La couleur primitive ne peut être indiquée, car après un séjour de plus de 50 ans dans de l'alcool, l'animal est fortement décoloré. Tout au plus, peut-on dire que les poils sont bicolores, foncés à la base, clairs au sommet.

La forme générale du crâne est assez semblable à celle de *nathusii*. Le rostre est toutefois moins déprimé et la boîte crânienne plus petite. Les processus préorbitaires sont moins développés. Comme chez *nathusii*, il n'y a pas de processus postorbitaires. La crête sagittale est bien marquée postérieurement, de même que les crêtes lambdoïdes. Les arcades zygomatiques sont fines. Le crâne est relativement plus large que chez les espèces du groupe *pipistrellus* (voir ci-dessous).

La dentition est du type *pipistrellus-nathusii*: I^{1} est bicuspide, la pointe postérieure arrive aux deux tiers de la hauteur de la pointe antérieure. I^{2} atteint la hauteur de la pointe postérieure de I^{1}; une première pointe secondaire latéro-externe se voit parfaitement par-devant et arrive au tiers de la hauteur de la couronne; une deuxième pointe postéro-interne est plus basse. C a une pointe postérieure atteignant le sixième de la hauteur de la couronne.

p. 202

P^{2} est situé sur le côté interne de la rangée dentaire et est bien développé, environ comme I^{2}; sa pointe, qui arrive au niveau de la pointe postérieure de C, est bien visible en vue latérale. P$_{4}$ est séparé de C et atteint environ les deux tiers de la hauteur de la couronne de C. Les molaires sont normales. Les incisives inférieures sont tricuspides et légèrement imbriquées. C est plus large que chez *nathusii*; sa longueur le long du cingulum est subégale à la hauteur de la couronne à son bord antérieur. P$_{2}$, don't la couronne est dirigée vers l'extérieur, mesure la moitié de la hauteur de C et les trois quarts à quatre cinquièmes de P$_{4}$.

[Table removed - eds.]

Remarques. - Si cette nouvelle Pipistrelle ne présente aucun caractère singulier, elle ne s'en trouve pas moins différenciée par un ensemble de particularités qui ne se rencontrent chez aucune autre forme africaine.

Parmi les espèces à I^{1} bicuspide, à I^{2} bien développé et à P^{2} bien visible extérieurement, elle trouve sa place dans la clef suivante:

1. Taille relativement grande. Avant-bras de 32 mm et davantage. Long, du crâne de plus de 12.5 mm. Rangée dentaire supérieure (C-M^{3}) de 4.6 à 5 mm. -> 2.

- Taille plus petite. Avant-bras de 32 mm environ ou moins. Long, du crâne de moins de 12.5 mm généralement.

p. 203

Rang. Dent. Sup. (C-M^{3}) de 3.6 à 4.2 mm: *nanus, pipistrellus, helios, nanulus, stampfli*.

2. Lobe calcanéen présent. -> 3.

- Lobe calcanéen absent: *fuscipes*

3. Canine inférieure longue et étroite; son plus grand diamètre le long du cingulum dépasse à peine la moitié de la hauteur de la couronne à son bord antérieur. Rostre déprimé. Crâne allongé, rapport larg. Zygomatique X 100 / long, totale = 600 à 610: *nathusii*.

- Canine inférieure plus forte; son plus grand diamètre le long du cingulum est subégal à la hauteur de la couronne à son bord antérieur. Rostre moins déprimé. Crâne moins allongé, rapport larg. Zygomatique X 100 / long, totale = 666: *permixtus* sp. nov.

Il faut rechercher dans la faune paléartique et orientale des affinités plus précises avec cette nouvelle espèce.

Le synopsis de DOBSON (1878: 211) conduit à *abramus*, espèce à laquelle cet auteur rattache *nathusii* et *coromandra* comme synonymes. DOBSON signale "*abramus*" à Zanzibar (spécimen e", p. 228). *P. abramus* (Temm.) est considéré aujourd'hui comme une espèce uniquement extrême-orientale (à l'ouest, jusqu'en Birmanie, selon ELLERMAN et MORRISON-SCOTT, 1951); il est probable que l'exemplaire de Zanzibar, de DOBSON, appartient à la même espèce que le mien, de Dar es Salam.

TATE (1942) a fait une revision des formes paléarctiques et orientales du genre *Pipistrellus*. Parmi les subdivisions adop-

p. 204

tées (p. 235), la nouvelle espèce peut entrer dans les groupes *abramus, coromandra* et *ceylonicus*:

Rapport : ((larg. Zygomat. X 100) / long. Totale), selon les mesures de TATE:

groupe *pipistrellus*
(qui comprend *nathusii*). . . De 601 à 610, moyenne 606
groupe *coromandra* . . . . . "603" 666" 633"
groupe *ceylonicus* . . . . . "664" 734" 688"
groupe *abramus* . . . . . "639" 734" 693
P. permixtus 666

Si l'on ne prend en considération que les groupes *coromandra* et *ceylonicus*, don't les représentants habitent les côtes de l'océan Indien, il semble, pour autant qu'un seul spécimen permette d'en juger, que c'est de *coromandra* (*sensu lato*) que *P. permixtus* est le plus proche. Parmi les formes ou espèces de ce groupe *coromandra*, on ne peut guère retenir que *aladdin* Thom. (Perse) et *coromandra* Cray (Indes) pour comparaison. Selon les mesures de TATE (1942: 291), ces formes sont toutes deux de taille inférieure à *permixtus*.

Il est certain que *P. permixtus* n'est pas un élément autochtone de la faune africaine. Ses affinités le rapprochent nettement des formes paléarctiques et orientales.

Pipistrellus abaensis J.A. Allen, 1917

p. 442

Type, No. 48979, F ad. (skin and skull), Aba, Belgian Congo, Dec. 18, 1910; Herbert Lang and James P, Chapin. American Museum Congo Expedition. Orig. No. 1825.

Size of *P. nanus*, but much lighter in coloration, and with the sides of lower back broadly naked.

Upperparts light brown or pale isabella-color, the hairs nearly unicolor from base to tip; underparts pale buffy gray, the basal portion of the hairs nearly black, the tips light grayish, with a slight buffy tone. Wing membranes attached to the entire length of the basal joint of the outer toe. Ear small, pointed, about equally convex on both borders.

Type, total length (collectors'; measurements), 77 mm.; head and body, 44; tail, 33; foot 7; ear, 10. Additional measurements from skin: Forearm, 31.4; third metacarpal, 29.7; tibia, 12.4; foot, 6; ear 7.2. An adult female topotype is larger: Total length (collectors' measurements), 84; head and body, 53; tail, 31; foot, 8; ear, 12. Forearm (in skin), 32.1; third metacarpal, 30; tibia, 12.8; foot, 6.8; ear, 9. (The skull of this specimen, No. 48980, is lost.)

Skull (type), total length, 11.7; breadth of braincase, 6.2; interorbital breadth, 3.1; maxillar breadth, 4.6; upper toothrow, 4; length of mandible, 8.1; lower toothrow, 4.2. Incisors subequal in size, the inner one slightly bifid, P^2 exceedingly minute, inserted on extreme inner edge of toothrow.

Represented, by 3 specimens, the type and two topotypes; both of the latter lack skulls. Only two of the specimens, both females, are adult, one slightly larger than the other, but both indistinguishable in coloration.
The third specimen is an immature male with the epiphyses not ankylosed but nearly adult in respect to size. It differs from the others in the pelage being nearly black above but somewhat lighter and more brownish below. All three of the specimens agree in having the sides of the lower back naked, the bare space being 5 to 6 mm. wide and 17 to 20 mm. long, extending from the base of the tail membrane anteriorly for more than half the length of the body. This feature, combined with small size, pale coloration and

p. 443

subequal upper incisors should render the present form easily recognizable. As said above, it is about the size of *P. nanus*, from which it differs strikingly in coloration, in the shape of the ears, and in the character of the upper incisors and upper premolars. It does not appear closely related to any described species.

Pipistrellus aero Heller, 1912

p. 3

Uaragess Pipistrelle

Type from summit of Mount Garguez, Mathews Range, altitude 7,000 ft., British East Africa, adult male; No. 181812, U.S. Nat. Mus.; collected by Edmund Heller, August 26, 1911; original number, 4110.

Characters. - Similar to *fuscatus* in color and in the position of the first upper premolar which is placed well inside of the tooth-row, but size of body much less, equal to that of *nanus*, which differs from it in the position of the minute first upper premolar which is in the tooth-row and can be seen from the outside. Skull larger than in *nanus*.

Coloration. - Dorsal coloration uniform vandyke-brown; underparts lighter wood-brown, the hair everywhere slate-black at base; membranes, feet, ears,, and tail black.

Measurements. - Head and body, 42 mm.; tail, 32; foot, 6; ear, 10.5; forearm, 31.5.

Skull: Condylo-incisive length, 12; zygomatic breadth, 8.5; mastoid breadth, 7; length upper tooth series to outer edge of canine, 4.8; condylo-incisive length of mandible, 9.

Two additional specimens, from the summit of Mt. Garguez are in the collection. They agree with the type in color, size, and dental characters. This species was seen only in the heavy forest on the summit of the mountain. Numbers of them were seen at dusk every evening but no other species was noted at so high an altitude.

Pipistrellus ariel Thomas, 1904

p. 157

Pipistrellus ariel, sp. n.

A pigmy species of a very pale colour.

Size very small, not exceeding that of *P. nanus*; form slender, limb-bones unusually light and delicate. Fur long, but not dense; hairs of back rather over 7 mm. in length. General colour above pale bufFy, the slaty bases of the hairs showing through; below similar, but slightly paler. Membranes pale brown, without lighter edging; naked throughout, except quite close to the body. Ears rather short; inner margin strongly convex below, with very small basal lobule, slightly convex above; tip rounded off; outer margin convex, slightly above, strongly below, with a long, low, rounded antitragal lobe. Tragus rather short, broadest rather above its inner base, inner margin straight, tip rounded, outer margin evenly convex; basal lobule distinct, rounded.
p. 158

Wings to the base of the toes. Post-calcareal lobule very narrow. Tip of tail little projecting.

Skull, as compared with that of *P. nanus*, similar in size, but with a broader, flatter muzzle and smaller brain-case. Median palatal spine less developed. Base o£ skull between bullæ conspicuously narrower.

Incisors slender, conical, unicuspid terminally, though each has a minute basal cusplet on its cingulum behind; the outer two thirds the height of the inner. Small upper premolar unusually minute, hidden in the inner angle between the closely adpressed canine and large premolar, and lower than their cingula, so as to be quite invisible from without. Lower incisors trifid, overlapping, subequal in horizontal length, but the outer pair slightly thicker than the others. Anterior lower premolar two thirds the height of the second, small in section, the canine and large premolar almost touching each other on its inner side.

Dimensions of the type (the measurements in inverted commas taken by the collector in the flesh): -

Forearm 30 mm.

"Head and body 34"; "tail 34"; "hind foot 5"; "ear 10"; tragus on inner edge 3.1; third finger, metacarpus 27, first phalanx 9.3, second phalanx 10; fifth finger 36; tibia 12.5.

Skull: greatest length 11.3; basal length in middle line 8.4; breadth of brain-case 5.5; front of canine to back of m^3 3.7; least breadth of basioccipital between bullæ 0.6.

Hab. Eastern Egyptian desert, lat. 22° N., long. 35° E. Alt. 2000 feet.

Type. Adult female. Original number 28. Collected 12th August, 1903. Two specimens.

This most interesting little bat is widely different from any species yet described, the proportions of its upper incisors distinguishing it at once from most members of the genus. Its anterior upper premolars are so minute that they would probably be overlooked by any worker only examining spirit-specimens; but there is no recorded "*Vespertilio*" of so small a size in Egypt.

Pipistrellus crassulus Thomas, 1904

p. 206

Pipistrellus crassulus, sp. n.

A medium-sized species with disproportionally short forearms.

General build thick and heavy. Muzzle broad, swollen. Ears short, laid forward they do not nearly reach to the tip of the muzzle; inner margin straight below, convex above; tip evenly and broadly rounded; outer margin straight above, slightly convex below; basal lobe small, rounded. Tragus of medium length, its greatest breadth opposite its

p. 207

inner base; inner margin straight, tip rounded, outer margin gently convex, ending below in a small basal lobule. Thumbs short, with thickened but not enlarged basal pad. Wings from the base of the toes. Calcars about equal in length to the free border of the uropatagium; postcalcareal lobules distinct but narrow. Tail involved in membrane almost to the tip. Penis very long, slender.

Fur 3.5 - 4.0 mm. long on back. Uniformly dusky brown above, scarcely paler below. Membranes blackish brown throughout, without any trace of white margins.

Skull broad, stout and flattened, conspicuously broader and heavier, especially anteriorly, than in *P. pipistrellus*, which has a much longer forearm. Upper profile straight, the frontal region not inflated.

Inner upper incisors very thick, bifid; the postero-external cusp nearly as long as the main one; outer incisor slender, unicuspid, reaching about halfway from the cingulum to the tip of the inner tooth. Small upper premolar in the inner angle between the canine and large premolar, which touch one another outside it; not visible from without. Lower incisors broad, bifid. First lower premolar about three fourths the height of the second.

Dimensions of the type (measured in spirit): -

Forearm 28 mm.

Head and body 47; tail 27; ear 10; tragus on inner edge 3.5; thumb, free of membrane (c. u.) 4; third finger, metacarpus 26, 1st phalanx 9, 2nd phalanx 8.8; fifth finger 37; lower leg 12; hind foot, from back of calcar (c. u.) 7; penis 11.

Skull: greatest length 12.7; mastoid breadth 7.7.

Hab. Efulen, Cameroons.

Type. Adult male. Collected by G. L. Bates. One specimen.

This bat, with the short forearm of such pigmy species as *Pipistrellus Stampflii* and *minusculus*, has a very much larger body and head. The breadth and flatness of the skull are particularly noticeable.

Pipistrellus culex Thomas, 1911

p. 458

Pipistrellus culex, sp. n.

F. 100. Kabir. 2700'. B.M. no. 11.3.24.4. Collected 15th May, 1910. *Type*.

A very small pale species. Inner upper incisors practically unicuspidate.

Size rather greater than in *P. stampflii* and *minusculus*. Fur about 4.5 mm. in length on the back. General colour above near "wood-brown," below rather paler, the hairs both above and below blackish slaty basally. Ears with a well-marked squarish lobe at the base of their outer margin; tragus without basal lobule, broadest opposite the middle of its straight inner margin. Wings from the base of the outer toe. Calcar with a narrow calcareal lobule.

Skull very delicate, low and narrow; the brain-case narrower than in *P. stampflii*.

Upper incisors slender, unicuspid, the outer nearly as long as the inner. (If a secondary cusp has been present on the inner tooth it must have been very small and close to the tip of the tooth.) Small premolar half internal, visible from without. Lower incisors tricuspid, not overlapping.

p. 459

Dimensions of the type (the starred measurements taken in the flesh): -

Forearm 28.5 mm.

Head and body *39; tail *27; ear *9; tragus on inner edge 2.6; third finger, metacarpus 27, first phalanx 9; lower leg and hind foot (c. u.) 14.5.

Skull: greatest length 11.1; basi-sinual length 8.6; interoibital breadth 3.3; breadth of brain-case 5.9; palatosinual length 4.2; front of canine to back of m^3 3.6; front of p^4 to back of m^2 2.2; three lower molars 2.5.

Hab. and *Type* as above.

This little bat would seem to be readily distinguishable from the other small species of the genus by its pale colour and unicuspid upper incisors.

Pipistrellus deserti Thomas, 1902

p. 4

71. M. Mursuk. 30/5/1.

A small buff-coloured desert ally of *P. kuhli*, with a particularly small skull.

Size smaller than *P. kuhli*, but the forearm-length not so much less than in that form as to be in proportion with the much smaller skull. General structure, of ears, wings, and dentition, as in *P. kuhli*. Ears and tragus pale transparent buffy, little darker than the general colour. Wings dark brown, the usual white edging very conspicuous. Interfemoral paler brown, white posteriorly.

Colour of fur pale buffy, between cream and pinkish buff of Ridgway, strikingly different from the colour in ordinary *kuhli*. The hidden bases of the hairs dull slaty. Belly-hairs blackish slaty basally, whitish buff terminally. Skull very small and delicate; the total length, the breadth across brain-case, and the length of the tooth-series, all conspicuously, less than in *P. kuhli*, whether from Europe, Morocco, Tunis, or Egypt.

Dimensions of the type: -

Forearm 29.5 mm.

Head and body (measured in flesh) 43; tail (do.) 33; ear (do.) 10; third finger, metacarpal 29, first phalanx 10, second phalanx 8.5; lower leg and hind foot (c.u.) 22.

Skull - greatest length 11.6, median length above 10, median length below 9; interorbital breadth 4.1; intertemporal breadth 3.1; breadth of brain-case 62; front of canine to back of m^1 4.3.

Type. Adult male. Original number 71.

Although with the general characters of *P. kuhli*, I do not feel justified in calling this Bat only a subspecies of that animal, for other North-African bats of this group, while tending towards *P. deserti* in colour, show no approach to its conspicuous reduction in size of skull. Examples of *P. kuhli* from Morocco (*Dodson*), Tunis (*Anderson*), and Egypt (*Anderson*), all have skulls of the full normal size.

Two names might have been thought to refer to it. Cretzschmar's *V. marginatus* from Nubia is paler in colour than usual, but Dr. Andersen's specimens show that the form from there is of the usual size.

Pipistrella minuta Loche, on the other hand, is so far smaller as either to be a totally different form, or, more probably, the young of some indeterminable species. Its locality is in the Algerian range of *P. kuhli*.

Pipistrellus eisentrauti Hill, 1968

p. 45

Holotype: M. Eisentraut No. 498 (skin and skull, the right bulla and right first and second lower molars missing). Adult M. Camp V, Dikume-Balue, Rumpi Highlands. 18th. February 1967. Collected by Professor Martin Eisentraut and now in the collection of the Museum Alexander Koenig, Bonn, No. 68.5.

Other material: M . Eisentraut No. 198 (skin and skull). Adult F. Camp II, Mount Kupe, c. 1,100 metres. 30th. November 1966. B.M. 67.2129 (originally M. Eisentraut 643) (skin and skull). Old F. Buea, Mount Cameroon. 15th. March 1967. Both collected by Professor Martin Eisentraut: the first in the collection of the Museum Alexander Koenig, Bonn, the second presented to the British Museum (Natural History).

Diagnosis: A large pipistrelle (forearm length c. 33.5 - 35mm.) characterised by high braincase with elevated frontal region which is almost as high as the occiput; expanded supraorbital region with slight but clearly defined supraorbital ridges terminating in an angular junction with the orbital margin, the upper surface of the rostrum thus more or less pentagonal; high, massive rostrum; absence of basioccipital pits and by long, narrow upper incisors which are bicuspid and blade-like.

Description: Dorsal pelage dark brown, the hairs unicolorous: ventral pelage slightly paler, the hairs bicolored, basally blackish brown, tipped with dark brown. The specimen from Buea is slightly paler above and below than the other two and ventrally is a little tinged with buff. Ears of moderate size, rounded at

p. 46

the tip, margin smoothly convex anteriorly with a small basal lobe, posteriorly nearly straight in distal part, proximal part convex with small antitragal lobe. Tragus a little more than one third the length of the ear, its tip rounded, its greatest width at about one half its height; margin nearly straight anteriorly with slight basal concavity, posteriorly slightly convex for most of its length but nearly straight at the base. Wing inserted at base of first digit: a small post-calcaneal lobe or epiblema.

Braincase broad, inflated, frontal region elevated almost to the occipital height; slight sagittal and lambdoid crests. Interorbital region wide; rostrum short, deep and massive, its upper surface nearly pentagonal in outline; supraorbital region inflated and swollen with a shallow median depression, the supraorbital ridges slight but clearly defined, terminating in an obtusely angular junction with the orbital margin which is nearly vertical anteriorly. Narial emargination short, narrow, rounded posteriorly, extending for approximately one half of the distance from the tip of the rostrum to the anterior orbital margin. Palate short, wide, with a narrow, U-shaped anterior emargination extending posteriorly almost to a line joining the posterior faces of the canines; broad, ligulate post-palatal spicule. Basioccipital pits lacking: width of bullae equal approximately to one and one half times their distance apart.

Inner upper incisor (i^2) long; narrow, blade-like, its longitudinal diameter approximately twice its transverse diameter, so orientated that posteriorly it is directed slightly inwards from the toothrow. It is strongly bicuspid, with a large anterior cusp and an equally massive but slightly lower posterior cusp: there is a low, undeveloped posterior cingulum cusp. Outer upper incisor (i^3) short, wide, its longitudinal diameter little more than one half its transverse diameter, lying laterally and slightly posteriorly to i^2 with its longer axis nearly transverse to the toothrow. Its principal cusp extends almost to the tip of the posterior cusp of i^2: it is hollowed posteriorly and flanked by low lateral cingulum cusps. Canines
slender and delicate but relatively massive at the base, with a low posterior cingulum cusp: the upper canine almost in contact with the posterior upper premolar (pm^4). Anterior upper premolar (pm^2) small, with well-developed cingulum and conical cusp, just visible externally, recessed into the angle between the posterior face of the canine and the anterior face of pm^4. Lower incisors tricuspid and slightly imbricated: anterior lower premolar (pm_2) reduced, its height and basal area little more than one half that of the posterior lower premolar (pm_4).

Remarks: Apart from any other features, the large size and especially the large skull of *P. eisentrauti* readily distinguish it from many of the African species of *Pipistrellus* with bicuspid i^2 such as *nanus, nanulus, musciculus* and *pipistrellus*. Its narrow tragus, high braincase and inflated supraorbital region disassociate it from *savii*: no specimens of *permixtus* Aellen, 1957 or *inexspectatus* Aellen, 1959 are available, but Dr. H.-J. Kuhn of Frankfurt/M. has kindly loaned photographs of the skulls of the type specimens so that comparison could be made. *Pipistrellus eisentrauti* is larger than either of these and has a higher braincase which is more elevated frontally while neither *permixtus* nor *inexspectatus* has the supraorbital region so expanded that the upper surface of the rostrum assumes a pentagonal outline. *Pipistrellus crassulus* approaches *eisentrauti* in size and also displays some lateral expansion of the supraorbital region: however, in *crassulus* the braincase is low and the frontal not elevated, the rostrum lower and less massive than in *eisentrauti* and shallow basioccipital pits are present.

Pipistrellus eisentrauti bellieri De Vree, 1972

p. 412

TYPE - KMMA (Tervuren) RG 35686, skin and skull, adult F. Adiopodoumé (5° 19-21' N - 4° 7-8' W), alt. 0 - 30 m, 19th November 1969. Collected by the author, but prepared and labelled in the Laboratoire d'Ecologie (L. BELLIER) of the ORSTROM, original number AX 0104.

DIAGNOSIS - Differing from *Pipistrellus eisentrauti* in its generally smaller size; hairs of the pelage unicolorous throughout their length land shorter; skull with less inflated frontal region, but with characteristic rostrum, with upper surface nearly pentagonal in outline.

DESCRIPTION - The colour of the dorsal pelage is dark brown; the ventral pelage is paler. The hairs, both above and below, are unicolorous throughout their length. The wing membranes are blackish-brown and there is no white hind-margin. The wing is attached to

p. 413

the base of the first toe. The interfemoral membrane is dark brown; a small postcalcaneal lobe is present. The ears are blackish-brown; the tip is rounded off, its external border straight in the upper part and convex in the lower part. There is a small semicircular antitragal lobe. The tragus has its greatest width at about one half the height of its internal border. The tip is rounded; the inner margin is straight, the outer convex in the upper part, nearly straight at the base and provided with a small basal lobule.

The skull 1s proportionately large. The frontal region is inflated and elevated, but not to the same extent as in *P. eisentrauti* from Cameroun. There is a slight sagittal crest and the lamboidal crests are clearly developed. The rostrum is short and wide; its upper surface is more or less pentagonal in outline. The supraorbital region is swollen, but there are no pronounced median or lateral depressions in the rostrum. The supraorbital ridges are very slight. The palate is longer than it is wide. There is a relatively broad and U-shaped anterior palatal emargination and a broad post-palatale spicule. The width of the bullae is equal to 1.4 times their distance apart.

The right upper incisors are broken and the whole dentition is unfortunately very warn. The left inner upper incisor is long, narrow and bicuspid, but it is impossible to determine the relative height of the cusps; there is a low posterior cingulum cusp. The outer upper incisor is short and wide, extending well beyond the cingulum of the inner upper incisor; its principal cusp is completely worn; there is a well developed posterior cingulum cusp. The upper canine is not in contact with the posterior upper premolar. The anterior upper premolar is small, lying in the toothrow and visible from the outside; it has a well developed cingulum and a conical cusp. The lower incisors are tricuspid. The anterior lower premolar is a little more than half the height of the posterior lower premolar. The lower canine has a low antero-lingual cingulum cusp.

REMARKS - This single specimen from Ivory Coast was carefully compared with the types or other specimens of all previously described African species of *Pipistrellus*, present in the British Museum (London), the Museum Alexander Koenig (Bonn), the

Museum d'Histoire Naturelle (Genève) and the Koninklijke Museum voor Midden-Afrika (Tervuren). It is obviously a distinct west African representative of *P. eisentrauti* of Cameroun. Its distinguishing features are well marked, but in view of the poor knowledge of the variability

p. 415

of the characters on which the species are founded, such as size, colour, form of tragus and tooth proportions, it is thought best to give the Ivory Coast form subspecific status at present. It may be stressed that a critical revision of the species of *Pipistrellus* is highly desirable.

P .e. bellieri resembles *P .e. eisentrauti* HILL, but is smaller, has unicoloured and not bicoloured ventral pelage, a less inflated frontal region and a slightly smaller braincase. The hairs of *eisentrauti* are about 2 mm longer than in *bellieri*. It is of interest to remember in this connection that *eisentrauti* is a montane form, the collecting localities lying over 1000 m, while *bellieri* is a lowland form, the type locality lying at sealevel. The difference in size and in the length of the hairs is in all likelihood due to this difference in altitude.

Some points of comparison may be noted with other species possessing a bicuspid inner upper incisor, with which this new pipistrelle might be confused. *P. crassulus*, which is of about the same size and has also an unicoloured ventral pelage, is distinguishable by its lower braincase, less inflated frontal region and its dorsal profile being nearly straight. *P. crassulus* has the supraorbital region also somewhat expanded, but the rostrum is clearly smaller and lower than in *P. eisentrauti bellieri* (see table 1).

P. inexspectatus is of about the same external size, but has a bicoloured pelage; its skull is relatively smaller, the rostrum lower and the supraorbital region much narrower than in *P. e. bellieri* (see table 1). Moreover in *inexspectatus* there is a pronounced depression on each side of the rostrum, a character which it shares with *P. anchietae*.

P.e. bellieri is equal to or slightly larger than *P. nanus, P. nanulus* and *P. musciculus*, but its much larger skull, massive rostrum and expanded supraorbital region immediately distinguishes it from either of these species.

Pipistrellus fouriei Thomas, 1926

p. 288

F. 1390 (very old). Ukualukasi, N.W. Ovamboland. 3900'. 7 October, 1924. B.M. No. 25.12.4.20. *Type*.

A very minute species, pale with bicolor fur.

Size very small, the skull as small as in *P. ariel* and *culex*, although the forearm is not so short as in *nanulus*, *pusillulus*, and some others with larger skulls. Build light and delicate, not as in some of the minute Congo species. General appearance very like that of the East African *P. helios* Heller, the hairs of the upper surface similarly drab, the hairs dark slaty at base, then drabby whitish, darker drab terminally. Under surface paler drab, the hairs blackish slaty for their basal three-fouths, those along sides and on the base of the interfemoral drabby whitish to their roots. Ears rather narrow, inner margin slightly convex, upper half of outer margin straight or even concave. Tragus of medium size, rather broader terminally, but by no-means as in the Noctule, as Peters says is the case in his *pusillulus*. Wing membranes greyish brown, with white edges; interfemoral with whitish transverse lines.

Skull low, light and delicately built, the brain-case flatter than in *ariel* and *helios*, more as in *culex*. Upper incisors apparently about as in *nanus*, but being much worn in the single specimen, their exact shape cannot be described, the outer incisor about three-fourths, the height of the inner. Small premolar well developed, visible from outside, the canine and large premolar not touching each other outside it.

Dimensions of the type:-
Forearm 29 mm.
Head and body 38 mm.; tail 30. Third finger, metacarpal 27, first phalanx 9; lower leg and hind foot 16.

Skull: greatest length 11 mm.; condylo-basal length 10.1; breadth of brain-case 5.8; palato-sinual length 4; breadth across molars 4; combined length of large premolar and first two molars 2.3; front of canine to back of m^3 3.5.

Hab. And Type as above.

The pale colour and small skull of this tiny Bat will readily distinguish it from any described species. It has, indeed, a smaller skull than any known species except *P. ariel* and *culex*. Bocage's *P. bicolor* from Angola is a dark-coloured form, while the skull of Peter's *pusillulus*, as figured in his plates of Chiroptera, is decidedly larger, almost equalling that of *P. nanus*.

Tome's *P. rusticus*, obtained by Andersson in this same region, also has a very much larger skull. The two co-types of it are in the British Museum, received in the Tomes collection, and of these No. 7.1.1.419, an old female, may be now selected as its lectotype.

Named in honour of Dr. Fourie, of Windhuk, who has rendered assistance to Capt. Shortridge in various ways, an assistance which has been the more effective because of his own very considerable knowledge of the Mammalogy of South-West Africa.

Pipistrellus fuscipes Thomas, 1913

p. 315

Near *P. rueppelli* and *pulcher*, but outer incisors larger.

General characters, including the striking contrast between the white or buffy underside and the greyish upperside, as in *P. rueppelli* and *pulcher*, but the membranes rather paler, while the forearms, hind legs, feet, and tail are darker, apparently black, so as to form a marked contrast with the pale

p. 316

membranes. Feet large in proportion. Calcar long, without post-calcareal lobule. Wings to the base of the fifth toe.

Skull rounder and more swollen than in *P. rueppelli*, the frontal region broader and more convex, and the brain-case more inflated. Supra-orbital edges more rounded, less ridged. Bony palate slightly shorter posteriorly.

Inner upper incisors not so long as in *P. rueppelli*, bicuspid, the secondary cusp well developed. Outer incisor much larger than in *rueppelli*, its longer cusp falling not far short of the outer cusp of the inner incisor, its base with two small secondary cusps, postero-internal and postero-external. Small upper premolar well developed, nearly half the height of the large premolar, quite visible from without, in the centre of the fairly large space between the canine and large premolar.

Dimensions of the type (the italicised measurements taken in the flesh): -

Forearm 36 mm.

Head and body 49; tail 41; ear 12; third finger, metacarpal 34.5, first phalanx 12.6, second phalanx 11; tibia 14; hind foot (c. u.) 10.

Skull: greatest length 13.5; basi-sinual length 9.8; front of canine to back of m^3 4.8.

Hab. Uganda. Type from 60 miles W. of Entebbe. Alt. 3700'.

Type. Adult male. B.M. no. 6.7.1.5. Original number 1. Collected during the Ruwenzori Expedition by R. E. Dent. Several specimens.

In both *P. rueppelli* and *P. pulcher* the outer incisor is minute, and in the type of the latter species, which in other respects seems nearest to *P. fuscipes*, there is no indication of the characteristic contrasted coloration of the limbs and membranes.

Pipistrellus helios Heller, 1912

p. 3

Samburr Pipistrelle

Type from Merelle Water, 30 miles south of Mt. Marsabit, British East Arica; adult male; No. 181813, U.S. Nat. Mus.; collected by Edmund Heller, July 22, 1911; original number, 3065.

Characters. - Related most closely to *nanus* but size much less and coloration much paler; size of *culex*, but inner upper incisors broad

p. 4

and bifid at tip; from *ariel* it differs in bifid inner upper incisor and large size of first upper premolar

Coloration. - Dorsal haired area ochraceous-buff; the hair at extreme base deep black; underparts lighter, buff in color, the hair deep black on the basal two-thirds of its length; ears naked, clay color; membranes blackish, narrowly edged by white.

Measurements. - Head and body, 45 mm.; tail, 31; hind foot, 5; ear, 9; forearm, 27.5.

Skull: Greatest length, 11; condylo-incisive length, 10.6; basilar length, 8.3; zygomatic breadth, 7; interorbital constriction, 3.2; palatilar length (nasal notch), 4.1 ; upper cheek teeth, 2.9; condyio-incisive length of mandible, 7.7; coronoid-angular depth of mandible, 2.8.

Three specimens of this diminutive Pipistrelle are in the collection. All were collected in the Northern Guaso Nyiro watershed.

Pipistrellus inexspectatus Aellen, 1959

p. 226

Type. - M adulte, en alcool. Ngaouyanga, vallée de la haute Bénoué, Cameroun, 11.7.1947; coll. A. Monard et V. Aellen, n° orig. 954. Musée d'Histoire naturelle de La Chaux-de-Fonds.

Cette espèce a été confondue jusqu'à présent avec *Pipistrellus marginatus* (Cretzschmar). La description originale de *Vespertilio marginatus* Cretzschmar (1826) est insuffisante pour une identification sûre; aucun caractère et aucune mesure du crâne ne sont donnés; la dentition, en particulier, n'est pas décrite. TEMMINCK (1837), qui donne une nouvelle description de *V. marginatus*, rapporte à celui-ci des spécimens de Tripoli et de Sardaigne; il précise que la première incisive est "longue et droite" et la seconde "accolée à la canine, très petite".

V. marginatus a été couramment mis en synonymie de *Pipistrellus kuhli*, avec des raisons plus ou moins valables. L'assertion la plus probante est fournie par MERTENS (1925), qui a revu le type de CRETZSCHMAR déposé au Senckenberg-Museum et qui le rapporte à *P. k. kuhli*.

Cependant, G. M. ALLEN (1914) avait réhabilité l'espèce de CRETZSCHMAR en lui identifiant un spécimen F obtenu à El Garef,

p. 227

près de Roseires (Soudan). L'auteur précise que sa Pipistrelle possède une première incisive supérieure (I^1) fortement bicuspide et mesurant environ deux fois la hauteur de la seconde incisive. Comme chez *P. kuhli*, I^1 est unicuspide et I^2 plus petit que la moitié de I^1, il ne pouvait s'agir de cette espèce.

Lors de la Mission scientifique suisse au Cameroun, j'ai récolté un spécimen que je rapportais à *P. marginatus*, en acceptant la réhabilitation de ALLEN (cf. AELLEN, 1952). Grâce à l'amabilité du Dr H. Felten, j'ai obtenu les précisions désirables concernant le type de *Vespertilio marginatus*: le crâne étant resté dans la peau et vu l'état vétusté de celle-ci, il serait risqué de l'extraire. Par contre, le Senckenberg-Museum (Frankfurt) possède un autre spécimen, récolté par RÜPPELL au même endroit, la même année, donc un topotype: I^1 est unicuspide et I^2 est plus petit que la moitié de I^1. Il ne fait alors plus de doute pour moi que *Vespertilio marginatus* Cretzschmar (1826) = *Pipistrellus kuhli* (Kuhl, 1819).

La Pipistrelle trouvée dans le N du Cameroun ne peut être assimilée à aucune espèce africaine; il convenait donc de lui donner un nouveau nom.

Diagnose. - *Pipistrellus* de taille moyenne (avant-bras 31 mm, long, du crâne 13 mm). I^1 bicuspide. I^2 environ de la moitié de la hauteur de I^1. P^2 très petit, non visible du côté externe ; C et P^4 sont en contact. I_{1-3} tricuspides. Tragus ayant sa plus grande largeur au niveau du tiers inférieur de son bord interne; lobule de la base du bord externe présent. Oreilles de longueur moyenne (11,5 mm) à sommet largement arrondi. Un liseré blanc très net au patagium, de la pointe de la queue à celle du troisième doigt.

Description. - Je renvoie à la description détaillée que j'ai donnée, sous le nom de *Pipistrellus marginatus* (Cretzschm.) (AELLEN, 1952: 80-81).

Remarques. - Cette nouvelle espèce ne semble avoir comme plus proche parent que *Pipistrellus anchietae* (Seabra), d'Angola. Toutefois, cette dernière s'en distingue par la couleur,
par des oreilles plus petites et pointues, par les longueurs relatives des quatrième et cinquième métacarpes (cf. HILL et

p. 228

CARTER, 1941). Ces différences sont peut-être seulement d'ordre subspécifique; mais il faudra attendre une revision générale des Pipistrelles africaines pour tenter de tels regroupements de formes.

Le spécimen du Soudan, attribué par G. M. ALLEN à *Pipistrellus marginatus*, semble bien devoir être assimilé à *P. inexspectatus*: le patagium possède le liseré blanc, la dentition correspond parfaitement; seul le crâne est plus petit (voir mesures ci-dessous).

Parmi les espèces africaines à I^1 bicuspide, à I^2 bien développé et à P^2 non visible extérieurement, la nouvelle espèce trouve sa place dans la clé suivante:

1. Taille très petite: avant-bras de 30 mm ou moins, long, du crâne inférieure à 11,5 mm
musciculus Thom., *? pagenstecheri* (Noack)

- Taille plus grande: avant-bras généralement de plus de 30 mm, long, du crâne 11,5 mm ou plus. --> 2

2. I_{1-3} bicuspides. *crassulus* Thom.

- 1^$_{1-3}$ tricuspides. --> 3

3. Tragus ayant sa plus grande largeur au niveau du milieu de son bord interne. *savii* (Bonap.)

- Tragus ayant sa plus grande largeur au niveau du tiers inférieur de son bord interne. --> 4

4. Oreilles petites et pointues. Pas de liseré blanc au patagium. *anchietae* (Seabra), *rusticus* (Tomes)

- Oreilles plus grandes et largement arrondies. Un liseré blanc très net au patagium. *inexspectatus* sp. nov.

Je n'indique ci-dessous que les principales mesures. Pour plus de détails, je renvoie à ma description de 1952.

p. 229

Pipistrellus inexspectatus (Cameroun M Type; Soudan F cf. Allen, 1914)
Avant-bras: 31; 30
3e métacarpe: 30,8; -
4e métacarpe: 28,5; -
5e métacarpe: 29; -
Oreille (longueur): 11,5; -
Tragus (bord interne): 3,3; -
Crâne, longueur totale: 13; 11,8
Largeur zygomatique: 8,6; -
" M^3-M^3: 5,4
Longueur rangée dentaire C-M^3: 4,5; 4

Pipistrellus Kuhlii fuscatus Thomas, 1901

p. 34

Similar in all essential respects, in size, proportions, shape of ears and tragus, and in dentition, to the true *P. Kuhlii*, but distinguished by its uniform dark colour. The body is dark smoky brown above and scarcely lighter below, and the ears and volar membranes are uniformly dark slaty grey, without trace of the white edging so characteristic of *P. Kuhlii*.

Dimensions of the type (an adult male in spirit): -

Forearm 35 millim.

Head and body 45; tail 34; ear 12.5; tragus on inner edge 4; third finger, metacarpal 32, first phalanx 12, second phalanx 10; lower leg 14.5.

Hab. Naivasha, British East Africa.

Type. Male. Collected 19th October, 1900, and presented by Sir H. H. Johnston

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Pipistrellus marrensis Thomas and Hinton, 1923

p. 249

M. 633, 653, 656. Foot-hills of S. Jebel Marra. 4000'.

Essentially as in *P. deserti* Thos., but of smaller size and darker colour.

Colour comparatively dark and rich, much like that of Egyptian specimens of *P. kuhli*, the general hue of the upper parts being near "Dresden brown. " of Ridgway. Ears noticeably darker than back. Wings dark brown, with usual whitish edgings; interfemoral paler. Tragus shorter and broader than in *deserti*, with

p. 250

broadly rounded tip and parallel borders; the inner border the longer. Forearm not exceeding 28 mm. (29.8 in *deserti*).

Apart from its slightly smaller size, the skull agrees with that of *P. deserti*. The outer upper incisor and the small upper premolar p^2 appear to be a little more reduced than in *deserti*, but the available material shows a rather wide range of variation in these respects. In the type-skull i^2 is both absolutely and relatively much smaller than in the only known skull of *deserti*; and the point of the tooth does not rise above the cingulumi of i^1. The small premolar is also greatly reduced, and so crowded between the canine and p^4 that it is not easy to detect. But in the fragments, all that is left of the two other skulls from Jebel Marra, the teeth in question, though rather smaller than in *deserti* are considerably larger than in the type.

Dimensions of the type: -

Head and body 37 mm.; tail 21; hind foot 5.5; ear 12. Forearm 26.5; third finger 46 (m.c. 24.5; phalanges 8.7 - 7.5 - 5.5); lower leg and hind foot (c.u.) 14.5.

Skull: greatest length 11.2; median length above 9.6; median length below 8.1; interorbital breadth 4.3; intertemporal breadth 3.4; breadth of brain-case 6.7; canine to m^3 3.8.

Hab. Foot-hills, S. Jebel Marra; altitude 4000'.

Type. Adult male. B.M, No. 23.1.1.15. Original No. 633. Collected April 3, 1921.

This interesting little bat is, no doubt, closely related to *P. deserti*, described from Tripoli. Its smaller size, darker colour, shorter tragus, and possibly more reduced dentition seem to warrant its receiving distinct specific rather than subspecific rank. The individual variation noticed in the dentition is of some interest in a group in which, normally, even minute dental characters are surprisingly constant.

Both *marrensis* and *deserti* are apparently closely allied to *P. kuhli*; and we can see no good reason for placing them in the genus *Scotozous* (cf. Miller, Fam. & Gen. Bats, p. 206, 1907).

Pipistrellus minusculus Miller, 1900

p. 647

Type. - Adult female (in alcohol no. 84500 U. S. National Museum. Mount Coffee, Liberia, May, 1894. O. F. Cook. collector

Characters. - Similar to *Pipistrellus stampflii* (Jentink), but smaller, the tail relatively longer and color "more reddish brown."

Ears. - The ears are rather short; laid forward they extend to extremity of muzzle. Anterior margin of conch abruptly convex at base, then slightly convex to narrowly rounded tip. Posterior border concave to middle, then somewhat more strongly convex to deep notch separating antitragus from rest of ear. Antitragus small but sharply defined, subquadrate in outline, its height to its width. Inner surface of conch with five or six ill-defined cross ridges.

Tragus blunt, slightly curved forward, broader above than at base.

Membranes. - The membranes are very thin and delicate. Wings from base of toes. Free border of uropatagium longer than calcar.

Feet. - The feet are short, scarcely one-half as long as tibiæ. Calcar nearly double as long as foot, terminating in a distinct lobe, and noticeably keeled posteriorly.

Fur. - Fur short, that on middle of back about 5 mm. in length. It is closely confined to body, barely extending on membranes except as a thin sprinkling of scattered hairs.

Color. - Dorsal surface raw umber, slightly more yellowish posteriorly than anteriorly. Ventral surface yellowish wood-brown, in pubic region tinged with gray. The hairs are everywhere slaty black through basal half or more. Ears and membranes blackish brown,

p. 648

the wings and uropatagium with a very narrow pale border along free edge.

Skull. - The skull of *Pipistrellus minusculus* (figs. 43b), which I am unable to compare with that of *P. stampfli*, is considerably smaller than that of the European *P. pipistrellus* (fig. 43a). The reduction in size if chiefly due to shortening of the rostrum and flattening of the braincase, but, aside from the general difference in size and form, there are no very striking characters to distinguish the skull of the African animal. The premaxillaries in *P. minusculus* are more abruptly bent downward than in *P. pipistrellus*, the anterior nares thus appearing to open more distinctly forward and less upward. Interpterygoid space *slightly broader than long*. Audital bullæ relatively smaller than in *P. pipistrellus* and space between them actually as well as relatively greater.

Teeth. - The teeth are essentially as in *P. pipistrellus*, though much smaller. Crown of middle upper molar narrower and with more narrowly conical protocone. Hypocone of first and second molars minute but distinct. The mandibular teeth present no peculiarities.

Measurements. - External measurements of type: total length 70; tail vertebræ 31; tibia 9.4; foot 5.4; calcar 9; forearm 26.6; thumb 4.8; second digit 23; third digit 45; fourth digit 40; fifth digit 35; ear from meatus 8; ear from crown 7; width of ear 7; tragus 4.4.

Cranial measurements of type: greatest length 11; basal length 10; basilar length 8; median palatal length 4.6; lachrymal breadth 4.8; least interorbital breadth 3.2; zygomatic breadth 7; mastoid breadth 6.2; occipital depth 3.6; upper toothrow (exclusive of incisors) 4; mandible 7.4; mandibular toothrow (exclusive of incisors) 4•

Specimens examined. - Three, all from the type locality.

Remarks. - I should hesitate to separate this species from *Pipistrellus stampflii* had not Dr. Jentink made comparison of one of the Mount Coffee specimens with the type of the latter. After pointing out an

p. 649

error in the original description of *P. stampflii* in which the length of forearm is recorded as 32 mm. instead of 27 mm.. he continues (in letter under date of April 22, 1900) : "your Liberian bat is still smaller [than *P. stampflii*], but its tail is longer. I think it is a new species, particularly as it is much browner-red colored than *stampflii*. As far as I can see the dentition is the same, though all the teeth appear to be smaller." The more important measurements of the type of *Pipistrellus stampflii* are: total length 62; tail vertebræ 24; forearm 27

Pipistrellus musciculus Thomas, 1913

p. 316

A very minute species with unicolor fur.

Size excessively small, smaller than in any known bat. General colour perfectly uniform umber-brown, slightly darker than Ridgway's "burnt umber," the hairs ot the same colour from base to tip; under surface similar, though appearing slightly lighter owing to the glossy tips to the

p. 317

hairs. Ears and membranes very dark, practically black. Inner margin of ears strongly convex at base, straight above; outer margin concave above, convex below. Tragus of medium size, its inner margin slightly concave, its outer convex, with an unusually large angular basal lobe. Wings to the base of the toes. Post-calcareal lobule well developed.

Skull very small, rounded, with short broad muzzle and proportionally high brain-case, not so flattened as in *P. minusculus* and other pigmy species. Palate extended posteriorly further than in any of the allied forms.

Upper inner incisor bicuspid, outer incisor probably also bicuspid, but too worn down in the type for exact description, its tip about equalling the posterior cusp of the inner incisor. Anterior premolar small, not visible externally and not exceeding in height the cingular cusps of the canine and large premolar. Lower incisors small, tricuspid, not crowded or overlapping.

Dimensions of the type (the italicised measurements taken in the flesh): -

Forearm 24.4 mm.

Head and body 40; tail 24; ear 9.5; third finger, metacarpus 23.5, first phalanx 10.6; lower leg and hind foot (c.u) 15.2.

Skull: greatest length: 10.7; condylo-basal length 10.4; basi-sinual length 8; zygomatic breadth 7.5; intertemporal brain-case 5.5; palato-sinual length 4.4; front of canine to back of m^3 3.5; p^4-m^2, length on cuter edge 2.5.

Hab. Bitye, Ja River, S.E. Cameroons. Alt. 2000'.

Type. Old male. B.M. no. 13.2.8.1. Original number 622. Collected 3rd September, 1912, by Mr. G. L. Bates.

"Caught in hollow palm leaf stalk - another got away." - *G. L. B.*

This minute species appears to be the very smallest bat as yet descibed, its forearm being less than an inch in lenth. It is readily distinguishable from the other small African species by its short stumpy skull, elongated palate, and unicolor fur, the allied species having the fur dark basally and pale terminally. In *P. pusillulus*, Peters, which was described as having a forearm only 25 mm. in length, the skull is as large as in *P. nanus*, to which Dobson was probably right in referring it; its fur, as in the oter small species, was bicolor.

Pipistrellus nanulus Thomas, 1904

p. 198

A pigmy species with very short forearm. A bone in the penis.

Size very small. Form fairly stout, the body large in proportion to the short forearms, which are shorter than any hitherto recorded in this genus. Fur of medium length; hairs of back about 4 mm. long. Muzzle thick and broadly rounded, the glandular prominences well developed. Ears rather short, their inner margin straight basally, gradually curving round to form ihe broadly rounded end to which there is no defined tip; outer margin slightly concave mesially, slightly convex below; basal lobe low, well defined posteriorly. Tragus of medium length, fairly broad, its broadest part opposite the middle of its inner margin; the latter straight or faintly concave, tip blunt, outer margin convex; basal lobe sharply angular. Limbs and feet short; wings to the base of the toes; postcalcareal lobule narrow, distinct; extreme tip of tail projecting; penis with a bone, its prepuce hairy to the tip.

Colour (in spirit) blackish brown above and below. All the membranes also very dark, without lighter edging.

Skull broad and rounded, with large low brain-case and short muzzle; upper profile line practically straight. Base of skull between bullæ broad, its bony edges running outwards quite to the bullæ.

Upper incisors prominently bicuspid; the inner one with its large postero-external secondary cusp falling but little short of the main cusp, and exceeding by about the same distance the top of the outer incisor; secondary cusp of the latter posterior, about halfway up its main cusp. Anterior upper premolar comparatively large, filling up the triangle between the canine and second premolar, which are separated from each other external to it; its tip visible externally just behind the hinder edge of the canine. Lower incisors tricuspid, overlapping.

Dimensions of the type (measured in spirit): -

Forearm 25.5 mm.

Head and body 41; tail 25; ear 8; tragus on inner edge 2.7; third finger, metacarpus 23, first phalanx 9, second phalanx 12; fifth finger 33; lower leg 10; hind foot 5.6.

Skull: greatest length 11.1; occiput to bottom of nasal

p. 199

notch 9.5; breadth of brain-case 6.1; front of canine to back of m^3 3.9.

Hab. Efulen, Cameroons.

Type. Male. B.M. no. 4.2.8.8. Collected by Mr. G. L. Bates.

This bat shares with the larger *P. crassulus* of the same region, also discovered by Mr. Bates, a disproportionately short forearm, the length of this member being less than has been hitherto recorded in any Pipistrelle, and nearly the least of any known bat. From *P. minusculus*, Miller, apparently its nearest ally, *P. nanulus* may be readily distinguished by its rounded ears and other differences in detail.

Pipistrellus Rüppelli senegalensis Dorst, 1960

p. 473

Type: 1 F, ad, Richard-Toll, Sénégal; septembre 1958; capturé dans un filet tendu près d'un point d'eau.

Cette forme se distingue des *Rüppelli* typiques par une taille supérieure, perceptible entre autres dans la longueur de l'avant-bras. Le crâne comporte un rostre plus fort, plus renflé à son extrémité. Les dents présentent un aspect semblable à celles de *Rüppelli*, mais sont de dimensions nettement plus fortes; la rangée dentaire est légèrement plus longue surtout en ce qui concerne les molaires dont chacune prise individuellement est plus grande, surtout plus large que son homologue chez *Rüppelli*. La première prémolaire supérieure est très petite, pour ainsi dire invisible chez *Rüppelli*. Elle est exclue de la rangée dentaire, le diastème relativement grand chez *Rüppelli* n'existant pas chez la forme du Sénégal; la 2^{e} prémolaire et la canine se trouvant en contact, la 1re prémolaire est en effet comprimée dans l'angle intérieur de ces deux dents. Ceci peut dans une certaine mesure être interprété comme une conséquence du plus grand développement des dents qui ont repoussé la première prémolaire vers l'intérieur. Les dents de la mandibule inférieure sont elles aussi plus fortes que chez *Rüppelli*.

Notons par ailleurs que les bulles tympaniques sont plus longues et plus volumineuses chez la forme du Sénégal. Voici à titre d'in-

p. 474

dications les principales mensurations de notre spécimen par comparaison avec celles de spécimens provenant du Soudan (région du Haut-Nil).

Sénégal; Soudan

Avant-bras: 34.4; 32, -, -

Longueur maximale du crâne: 13.9, 13.6, 13.6, 13.2

Longueur de la rangée dentaire supérieure (C-M^3): 5; 4.5, 4.6, -

Le pelage des parties supérieures paraît plus foncé chez *senegalensis*, principalement du fait de la couleur de la base des poils qui est brun noirâtre très foncé chez *senegalensis*, chez qui seule l'extrémité du poil est claire comme la totalité du poil chez *Rüppelli*. Le dos est en fort contraste avec le dessous du corps, recouvert d'un pelage blanc pur. Les oreilles et les membranes sont foncées.

La forme du Sénégal est dans l'ensemble étroitement apparentée à celle de l'Est Africain. Mais plusieurs de ses caractères sont suffisamment distincts de ceux de *Rüppelli* pour justifier la séparation. Cela est particulièrement vrai pour la morphologie et la dimension des dents. *Senegalensis* est manifestement le représentant "occidental" de *Rùppelli*, répandu depuis le Soudan (ex Soudan anglo-égyptien) jusqu'à l'Uganda. Le type de Pipistrelle possède donc une aire de répartition qui s'étend largement vers l'Ouest. Sa présence dans toute la bande sahélienne allant du Sénégal à la mer Rouge est probable.

Pipistrellus vernayi Roberts, 1932

p. 16
Pipistrellus vernayi sp. nov.

A large species having the raised, but rather swollen, brain case of typical forms of the genus, the outer upper incisor about half the height of the inner, the small anterior upper premolar wedged between and separating the canine from the large premolar.

The skull shows grooves on the frontal median line, the cranium swelling up and outwards in the anterior portion, descending behind to the normal height, but with two slight swellings near the occipital and above the mastoid, and swellings again in the occipital region; bullae about equal in diameter to the length of the three upper molars; the larger upper premolar with a canine-like anterior cusp, raised high above the level of the posterior cusps; the tips of the upper canine, large premolar and foremost cusp of the first molar in about the same plane. The small outer upper incisor shows traces of cusps about midway on the inner and outer edges; inner incisors decidedly bifurcate, the two points diverging and under low magnification resembling two teeth, but the outer cusp lower than the inner. The tips of the lower canine, large premolar and two highest points of the m_1 are on the same plane and at an obtuse angle to the line of the tooth-row, but the anterior lower premolar is at the same level as the posterior outer cusps of the large premolar and molars; the lower three pairs of incisors are normally placed, at right angles, and are trifid.

Colour of the upper pale mouse grey and under parts pure white; base of hair above for two-thirds dark grey, but below the hairs are white to the base. Ears naked and dark brown, the muzzle covered with fine bristles, also darker than the back.

p. 17
Type: T.M. No. 6546, adult ♂, Maun, Ngamiland, 29th May, 1930, No. 648, Vernay-Lang Kalahari Expedition. Length of head and body 56, tail 41, hind foot (c.u.) 9. ear 12, span of wings 278, tragus 4, penis 12 mm. Forearm 35.3, 1st phalanx of 3rd digit 35.5. 2nd 12.5, 3rd 9.5. Skull: length of canine to occiput 14.6, zygomatic width 9, width of brain case 7.6, width of palate across outside of m^2 6, width across upper canines 4, length of upper tooth-row (c-m^3) 5, height at bullae 6.7 mm.

Platymops Thomas, 1906

p. 499

Ears widely separated, as in *Mormopterus*. Lips without Wrinkles, covered with short stout bristles. Forearms shagreened. Wings short. Metacarpal of third finger only one third longer than that of fifth; first phalanx of fifth finger much shortened, one third the length of the metacarpal and not longer than the second phalanx. A small untufted gular sac present in both sexes.

Skull of the general outline in upper view of that of *Mormopterus*, but extraordinarily flattened vertically. Crests much reduced, the sagittal absent and the lambdoid not

p. 500

meeting in the middle line. Premaxillary notch narrow, not expanded behind. Mesopterygoid fossa without median bony ridgte. Ramus of lower jaw very low vertically.

Incisors $^{1-1}/_{4}$; ther upper pair long, nearly parallel, bicuspid, the lower ones subequal, all bicuspid. No trace of a small upper premolar, thouth the large p^4 does not touch the canine.

Type *Platymops Macmillani*.

This most remarkable bat is readily distinguishable from any member of the *Nyctinomus* group by its extraordinarily flattened head, unusual digital proportions, shortened wings, and dental formula. In this group it has a curious analogy with the Vespertilionine genus *Mimetillus*, being modified in its proportions and the shape of its head almost exactly in the same way, and having a strong superficial resemblance to it.

Platymops barbatogularis Harrison, 1956

p. 549

Amongst a number of bats received from Mr. John G. Williams of Nairobi, which he obtained in the extreme south-eastern part of Sudan during 1953, were two small Flat-headed Bats belonging to the genus *Platymops* Thomas.

Platymops barbatogularis, sp. nov.

As type specimen I nominate an adult male (No. 2.1897) in my collection obtained on June 10th, 1953.

Type Locality. - Lokomarinyang Marsh, Ilemi Triangle, S.E. Sudan, 5° 02' N., 35° 33' E.

Paratype : an adult female (No. 1.1867) in my collection obtained on June 10th, 1953 at the same locality.

Description of the Type.

This specimen is similar to *P. macmillani* in size and in general characteristics. Whereas in *P. macmillani* a small untufted gular sac is present in the lower throat region of both sexes, in this animal the sac contains a prominent tuft of brownish hairs. These hairs can be seen protruding from the semicircular orifice of the sac and when this is everted they are seen to average about 2 mm. in length (see fig. 1). Such a tufted gular sac is not known in Molossid bats.

A further striking character is provided by the distinctive pattern on the chest and abdomen of this animal (see fig. 1). The central part of the chest and abdomen is creamy white in colour extending up to the throat to surround the gular sac. The lateral areas

of the chest and abdomen from the axillse backwards are also creamy white, in contrast to *P. macmillani* in which this area is blackish (vide Thomas, 1906). In *P. barbatogularis* the central and lateral whitish areas are sharply divided by a broad brown stripe on each side commencing anteriorly behind the antitragal lobe of the ear and extending backwards, at first curving outwards to the antebrachial membrane and then inwards to extend straight down the belly as a stripe about 3 mm. in width as far as the lower abdomen, which is practically naked. The exact shade of colour of the type is a little doubtful as the specimen has been immersed in alcohol for a time, but it is remarkable that the thoraco-abdominal stripes are clearly a darker shade of brown than the dorsal surface of the body.

p. 550

Direct comparison with the colour of *P. macmillani* is not possible as the only available specimen of that species, the type, has been in alcohol fifty years and as a result it is greatly faded. Thomas's description was based on eight examples and from it *P. barbatogularis* clearly differs greatly in colour as well as in pattern. Thomas stated that *P. macmillani* is smoky blackish on the back, dull whitish below in the middle and blackish along the sides. The type of *P. barbatogularis* is a uniform light brown colour above approximating to Drab of Ridgway (plate 3, No. 18) while the darker brown thoraco-abdominal stripes approximate to Sepia of Ridgway (plate 3, No. 3). These colours may have been affected somewhat by immersion but clearly differ greatly from *P. macmillani*.

(Furthermore it may be noted here that a third specimen of this bat in the Coryndon Museum, Nairobi, was prepared very shortly after it was collected and Mr. Williams tells me that this one also was pale light brown in the flesh.* Therefore little doubt remains that the colour of this species is as described above in the type).

* Since going to press this specimen has been sent to the author for examination and its colour is almost identical with that of the type. This specimen also shows a narrow whitish margin to the wing membrane between the foot and the 5th digit, a feature present in the Type but less well marked.

p. 551

The skull of the type is slightly shorter than that of the type of *P. macmillani*, with a more squat relatively shortened rostrum. Until more material of both species becomes available however, the significance of this must be considered doubtful. No differences in dentition have been detected. It may be noted here that no trace of a small upper premolar can be found in the type but a minute one is present on the left side in the paratype. A minute upper premolar is present on one side in the type of P. macmillani so that its presence must be regarded as a variable feature in the genus.

The paratype (No. 1.1867) closely resembles the type in all the above-mentioned features but the thoraco-abdominal stripes are partially interrupted by a small whitish patch just below the nipples.

Flesh measurements of the type and paratype (in mm.).
Total Length; Forearm; Hind; Foot; Ear
Type No. 2.1897: 80 (fresh); 31.8; 7; 11
Paratype No. 1.1867: 87 (fresh); 31.1; 7; 12.2

(Measurements from spirit, relaxed, except for the overall length, which was measured by the collector in the fresh specimens.)

Skull measurements of the type and paratype (in mm.).

Condylobasal length; Lacrymal breadth; Breadth of Braincase; Depth of Braincase; Mandibular toothrow (c-m_3; Maxillary toothrow (c-m^3; Mandible
Type No. 2.1897: 14.9; 7.3; 9.8; 3.7; 5.8; 5.6; 11.3
Paratype No. 1.1867: 14.2; 7.2; 9.7; 3.9; 5.6; 5.1; 10.5

This remarkable little Flat-headed Bat is at present only known from the type locality. Mr. Williams has kindly forwarded some field notes. The species was found over a small permanent waterhole and marsh immediately N.N.E. of Lokomarinyang, which is the north-eastern extension of a block of mountainous country overlooking a vast plain to the north. Immediately above the marsh were cliffs in which there were long, narrow, horizontal fissures but these were so inaccessible that he was unable to confirm whether they were the bats' day-time retreat, but this seems more than likely from the recorded habits of other members of the genus. Although short winged they had a rapid erratic flight when hunting over the marsh about thirty feet up or lower. They appeared when it was nearly dark and they were feeding upon small beetles.

This species is immediately recognizable amongst the known members of the genus by its tufted gular sac and brownish thoraco-abdominal stripes. It is approximately the same size as *P. macmillani*, but considerably smaller than the two species known in S. Africa which are *P. petrophilus* Roberts (Forearm given by Roberts 1951 as 38 - 42 mm.) and *Platymops haagneri* Roberts (Forearm 36 - 37 mm.). Further material of this rare and interesting genus is clearly needed for a more detailed comparison of their coloration and size.

Platymops barbatogularis parkeri Harrison and Fleetwood, 1960

p. 270

Type: Adult female, No. 2. Lualeni Borehole, Maktau, southern Kenya Colony (03° 25' S., 38° 10' E.). 12 February, 1958. Collected by Ian Parker. In the collection of the British Museum (Nat. Hist.), South Kensington, London.

Description: Similar in all essential features to *barbatogularis* but larger both in external and cranial dimensions and differing significantly in colouring.

Gular sac present and tufted as in the typical race, its orifice lying transversely in the lower throat region and measuring 3.6 mm. across in the spirit specimen. The tuft of coarse brownish glandular hairs which it contains measures about 1.6 mm. long and becomes obvious when the sac is everted.

The thoraco-abdominal stripes are present as in the typical race and are darker than the dorsal surface of the body, there being a small bare area just distal to the nipples, interrupting the stripe centrally, as in the typical form. The thoraco-abdominal stripe in this animal, however, is broader distally than in *P. b. barbatogularis*, extending further laterally and leaving only a narrow band of pale creamy hairs lateral to it, which extends along the medial edge of the wing-membrane from the axilla to the knee (vide Plate 4). The internal borders of the stripes have just the same disposition as in the typical form, leaving a creamy white central area, commencing at the chin, surrounding the gular sac and widening on the upper thorax and narrowing again gradually towards the lower abdomen, which is naked of hairs at its extremity, as in the typical form.

Although the colour of this specimen may have been modified by immersion in alcohol, it is clear that both the dorsal surface and the thoraco-abdominal stripes are darker than in the typical race. The colour of the back approximates nearly to Grey 31 (Plate 15 C.6, Maerz and Paul, 1950) while the thoraco-abdominal stripes approximate nearly to Castor (Plate 16 A.8, Maerz and Paul).

Measurements of the Type: Total length 91, forearm 34.5, hind-foot 7, tail 29, ear 17 mm.

Cranial Measurements of the Type: Condylobasal length 16, zygomatic breadth 12, breadth of braincase 10.1, depth of braincase 4.2, mandible 12 mm.

p. 271

Apart from the marked difference in cranial size from the typical form no essential difference in cranial or dental characters is to be noted.

In view of the great rarity of these bats the paratypical series of *P. b. parkeri* has been studied in great detail in comparison with *P. b. barbatogularis*.

Colour: The colour of the dorsal surface is in all instances much darker than the typical form and varies only a little in the series. The three immature specimens tend to be a slightly greyer brown on the back, and the adult male a shade browner than the three adult females. The pale central area of the throat and abdomen is whiter in the immature animals, more creamy in the adults. The thoraco-abdominal stripes do not differ significantly in shape or colour in the series, save that the bare nipple spots are absent in the adult male and three immature animals. In the adult male the narrow band lateral to the stripe from axilla to knee is brownish instead of creamy or white, although not so dark as the stripe itself. In all the specimens in our series the stripes are darker than the dorsal surface of the body.

Size: In both external and cranial dimensions all the adults exceed the typical form, while one immature female with the upper milk incisor still in situ has dimensions equal to those of the adult Type of *P. b. barbatogularis*. The Tables below bring together the measurements of all known specimens of the species.

[table removed - eds.]

p. 272

Gular Sac: The sac is present in all specimens of this series and it is macroscopically as already described in *P. b. barbatogularis*. No difference can be detected between its condition in the adults of both sexes. The transverse opening in the lower throat region measures from 3.6 to 5.5 mm. across, the largest dimension being that of the adult male. The pocket itself is about 3.5 mm. deep and in all the specimens contains the tuft of coarse brownish glandular hairs as described in the typical race. This tuft can be seen in the sac and protrudes from it when the sac is everted. The hairs are from 1.2 to 3 mm. long in the four adults. The tuft is present in the three immature animals, but it is scantier, the hairs measuring 1.2 to 1.6 mm. in length. When the skin of the lower throat region is examined from its internal aspect it is seen that there is a fan-shaped glandular body, creamy white in colour in the fixed specimen, which is flattened dorso-ventrally and which extends to a depth of about 3.5 mm. from the sides and floor of the pocket. In the adult male specimen the greatest width of the sac with its associated glandular body is 13.2 mm., while its greatest length from the orifice of the sac to the caudal extremity of the gland is 6.8 mm., its greatest thickness anteriorly being 3.5 mm. The anterior (i.e. ventral) and surfaces of the pocket appear devoid of glandular tissue macroscopically. While there is no apparent difference in the appearance of this glandular body in the adult male and females, it is noticeably

p. 273

less well developed, although present in the three immature specimens. The opportunity has been taken to study the histological structure of the gular sac and its associated gland.

The entire sac of the adult male specimen, with its orifice and the attached glandular body described above, was excised and sections cut across its long axis obliquely and stained with haematoxylin and eosin. Unfortunately fixation of the tissue was imperfect and the haematoxylin staining is consequently rather poor, but the basic structure of the sac is, nevertheless, quite clear.

The actual cavity of the sac is lined with stratified squamous epithelium with a thin layer of desquamating keratin. Hair follicles are seen growing into the sac from all sides. Three types of glandular structure are seen to be associated with the sac (vide Fig. 1). Along that aspect of the pocket which is macroscopically not covered by the fan-shaped glandular body it is seen that the hair follicles are associated with simple flask-shaped glands penetrating deeply below the hair follicle roots. These glands closely

resemble those described elsewhere in the gular sac of *Otomops martiensseni icarus* (vide Harrison, 1957) and are regarded as a primitive type of sebaceous gland. In the part of the sac which is covered by the fan-shaped body, however, these glands are seen to be entirely replaced by large complex lobulated glands of sebaceous type. The two types of gland have quite different structure and staining reactions. The primitive glands stain deeply with eosin, they contain no lobules and, as in *Otomops*, their cells-appear to proliferate inwards and break down to form a grandular eosinophilic debris which discharges into the hair follicles. The complex sebaceous glands are much larger and there are twenty-three separate ones visible in these sections grouped along the central part of the fan-shaped body. They tend to be triangular in shape with their bases distal to the pocket, the largest glands being about 100 µ by about 50 µ in size. Each gland consists of numerous lobules of typical foamy sebaceous cells which discharge their contents into a large intraglandular reservoir. This is situated in the centre of each gland and it has tributaries extending into the larger lobules. The reservoir leads to a wide and nearly straight duct, which is itself lined by sebaceous cells and which is about as long as or a little longer than the gland itself, that is about 100 µ in length and about 10 µ in width. Both the reservoirs and the ducts of these glands contain an oily secretion produced by the breakdown of the sebaceous cells. Each duct discharges into a hair follicle.

p. 274

The third type of gland associated with the pocket lies on each side laterally, forming the corners of the fan-shaped glandular mass. In this situation there are six to nine large lobules, irregularly shaped, which are seen to consist of a mass of coiled tubules and which are clearly apocrine glands. Their tubules are lined by a cubical or cubo-columnar epithelium. In an adult female in which the whole sac was similarly excised and examined the histological structure is similar to that of the male, and part of the glandular body removed from the Type is also histologically similar.

It is clear, therefore, that the gular sac of *P. barbatogularis* is a highly elaborated glandular structure; that it contains three distinct types of gland and that it differs materially both in macroscopical anatomy and in microscopical structure from the gular sac as described in other species of *Molossidae*: *Cheiromeles* (Harrison and Davies, 1949), *Otomops martiensseni* (Harrison, 1957), *Molossus* (Schaffer, *vide* Grassé, 1955, p. 1732). It is interesting to note that the gular sac of *Molossus* differs in many respects from that of *P. barbatogularis*. Thus it occurs only in the males, in which the pocket itself is small without any tuft of glandular hairs. A large mass of gland tissue surrounds the whole pocket, consisting of a deep apocrine layer and a superficial one of sebaceous glands. It is interesting to note that the sebaceous glands of *Molossus* have intra-glandular reservoirs as in *P. barbatogularis* but they open by pores into the pocket, unassociated with any hairs. It is clear that the detailed structure of the gular sac, which occurs in several genera of *Molossidae*, provides important characteristics of the various genera and species, exhibiting a marked diversity of structure in the various species possessing it.

Wing membranes, Ears and Facial Bristles: The narrow pale border of the wing membrane between the tarsus and the tip of the fifth digit is present in all these specimens just as described in the typical race, but it is not well marked in the immature specimens. There is no apparent difference from *P. barbatogularis* in the distribution of the warty excrescences on the forearms, thumbs and metacarpals, and these are present in the adults and immature animals (*vide* Plate 2); nor can any other differences in the wing membranes be detected, nor in the ears, tragi or facial bristles.

Feet: All the toes of adult and immature animals alike are adorned with long hairs as in the typiral race, while the outer aspect of the first and fourth toe is similarly densely covered with short recurved hairs. The long hairs reach about 10 mm. in length, the short ones about .1 mm.

p. 275

Body Form: One of the most striking features of the bats of the Genus *Platymops* is the marked flattening, not merely of the head, as indicated by their popular name, but also of the body (*vide* Plate 5). A section through the thorax of an adult female is shown in Fig. 2, made at the level of the mid-point of the sternum, with the skin removed, to illustrate the marked flattening of the thorax. This is without doubt an adaptation to the creature's habitat and represents an extreme degree of the body form towards which all the crevice-dwelling *Molossidae* tend and also some other bats, notably *Tylonycteris*.

Skull and Dentition: As already noted in the description of the Type there is no essential difference in the cranial or dental characters of this race as compared with the typical one, apart from the greater size of the skull in *P. b. parkeri*, and the main features of the skull shown in Fig. 3 are those of the Genus, already described in detail elsewhere (Miller, 1907, p. 255). It may be noted, however, that there is marked individual variation in the development of the lambdoid crest, this being strongly developed in the adult male, less so in the adult females and absent in the immature skulls. Even in the adult male, however, there is no trace of a sagittal crest, the surface of the cranial vault being actually slightly hollowed out in the mid-line.

The dentition also shows no constant difference. It is of interest to record that in this series, as in the typical race, the small upper premolar is inconstant. It is absent on both sides in the adult male and all three adult females, while it is bilaterally present in two of the immature animals and lost on one side in one of them. This confirms the impression that this minute functionless tooth is deciduous and in process of complete loss in *Platymops* and is of no systematic importance; the Sub-Genus *Sauromys* Roberts being untenable on this account. It appears, however, that the southern African representatives of the Genus possess no gular sac, a fact which has received little emphasis hitherto, and it seems that the Sub-Genus might be maintained on the basis of that character rather than on the inconstant dental feature on account of which Roberts first erected it.

It is of interest that one of the immature specimens retains the upper milk incisors *in situ*. The milk tooth lies to the outer side of the permanent incisor and slightly behind it (*vide* Fig 4.), and its tip just reaches the secondary cusp of the permanent tooth. The milk incisor is a tall spicule in form, strongly recurved caudally

p. 276

towards its conical tip, and it possesses on its lateral side a faint indication of a secondary cusp corresponding to that of the permanent tooth.

External Genitalia: The opportunity is taken to describe and figure the external genitalia of this species, which have not hitherto received attention.

The penis of the adult male is situated pre-anally and no scrota swelling is visible externally. The penis measures 6.8 from the base of the shaft dorsally and the shaft is 2.1 mm. in width. A prepuce is present, and when this is retracted the glans penis is revealed as a sub-rectangular body when viewed from above (*vide* Fig. 5). The glans measures in length 1.8, by maximum width 1.6, by .6 mm. in depth. It is flattened dorso-ventrally and bluntly expanded distally with a slight ridge-like elevation in the mid-line dorsally. The urethral meatus is situated in the centre of an oval smooth area on the distal part of its ventral surface, which is hollowed out when seen from the lateral aspect. The remainder of the glans is covered by minute horny excrescences. A few long hairs project over the glans from the prepuce dorsally and the shaft is covered with short hairs.

The vulva of the female (*vide* Fig. 6) is slightly elevated above the surrounding skin and the skin around the vaginal and anal orifices is pigmented blackish. The vaginal orifice is transverse, measuring 2.8 mm. in width, and the mucosa at the orifice is smooth. The glans clitoridis, which is oval and rather flattened, projects from an opening between the vaginal orifice and an elevated clitorideal pad anterior to it. This pad is surmounted by two blunt elevations laterally, between which arise a few long hairs projecting over the glans clitoridis. The anal orifice is puckered by mucosal rugae and it is separated from the vaginal orifice by a small perineal space.

Breeding Biology: The nipples were prominent in all three of the adult females, lying below and slightly anterior to the axilla and measuring from 2.2 to 3.8 mm. long and from .9 to 1.2 mm. in width; their long axis lying parallel to that of the thoraco-abdominal stripe. The mammary glands of all three were hypertrophied measuring from 11-15.8 in greatest length and from 6-7.1 in width and about 3.8 mm. in maximum thickness. The mammae were situated over the lateral aspect of the thorax and upper abdomen, only just extending on to the ventral and dorsal surfaces of the trunk, differing in this respect from the condition noted in the lactating *Tadarida (Chaerephon) pumila websteri* (Harrison, 1958). Histological sections were prepared of one mammary gland from each of the adults, and these were stained with haematoxylin and eosin.

p. 277

These fully confirm the condition of lactation, the glandular acini being distended with globular secretion and the epithelium actively secreting, while many of the ducts are distended with milk. This is consistent with the presence of immature animals in the series, one with upper milk incisors *in situ*. The uteri of these adult females were also examined, but although there was a slight swelling of the right cornu in the Type, measuring 2 in width by 3 mm. in length, no evidence of a new pregnancy was found in the sections prepared. It is clear, therefore, that in this series a season of parturition had occurred a little before the time of capture in mid-February.

Habits: These remarkable creatures were found beneath a stone, where they shared their retreat with scorpions. It is of interest to note that in South Africa *Platymops* have occasionally been found by zoologists who were in fact searching for scorpions beneath flat slabs of rock (Roberts, 1951, p. 103). It is clear that the whole body form of these bats is remarkably well adapted for such narrow recesses, and it may be concluded that the glandular secretion of the gular sac in *P. barbatogularis* becomes smeared on the floor of the retreat as the bat crawls about within it, and perhaps thus marks the home of the colony with a characteristic odour. It may also be that the tuft of glandular hairs in the sac may act as a kind of scent paint brush. Whether there is any special significance in the association with scorpions is a point that might well claim the further attention of zoologists.

SYSTEMATIC REMARKS

The occurrence of this form in southern Kenya led to a careful consideration of the description of *Mormopterus setiger* Peters, 1878, amended in 1881 (type-locality: Ndi, Teita, Kenya Colony). It is clear from certain points in the description that this form is a *Platymops*. Thus the upper incisors are bicuspidate, the skull very flattened (unfortunately no cranial measurements were given), the upper surface of the forearms is covered with warts and a gular sac is present, which is apparently untufted. In all these features it resembles *P. macmillani*, from which, however, it differs in being larger and also different in colour. It is larger than typical *P. barbatogularis* and approximately the same size as *P. b. parkeri*, and differs from both these forms in colour and in lacking the thoraco-abdominal stripes, which are darker than the dorsal surface of the body in *P. barbatogularis*. It also differs by lacking the glandular tuft in the gular sac. It is unfortunate that the Type of *P. setiger* has probably been lost, according to Prof. Dr. K. Zimmermann, (*in litt.*), so that the further elucidation of the status of this form must await the collection of further material.

Platymops haagneri Roberts, 1917

p. 5

Platymops haagneri spec. nov.

A small species having an affinity to *P. petrophilus* in the dental formula, flattened skull, absence of a definite antitragus, shortness and number of the bristles on the toes, and in the horny points on the upper part of the ears being situated near the horizon of the ear; but differing therefrom in its smaller size, the horny points on the ears only two in number; the lower P2 much smaller than the P4, which is higher, the tips of M_1, P_4 and C forming an almost straight line at a slight angle rising forward; the upper incisors are also comparatively shorter than in *petrophilus*, and·a cingulum can be seen in P2 with the aid of a lens. The lower incisors are bifid. The bony palate extends well behind the molars.

Dimensions of the type in spirits: Length of the head and body 50 mm.; of the tail 32, of the free portion of the tail 13.5; ear, height 10, breadth 13.5; height of the tragus 2.3; length of forearm 37; pollex (c.u.) 5; third digit, metacarpal 37, 1st phalanx 14, 2nd without cartilage 12; fourth digit, metacarpal 36, 1st phalanx 12.5, 2nd phalanx without cartilage 6; fifth digit, metacarpal 25, 1st phalanx 10, 2nd 4.7; tibia 10; hind foot, length (c. u.) 6.5. Skull: Greatest basal length 16.2; zygomatic width 10; width at

mastoid 9.8; width of brain case 9; interorbital constriction 3.7; basilar length 13.1; palate length 5.5; length of dental series, from front of C to back of M3, 6; width of palate taken outside the molars 7; greatest length of mandible 12.

Type: Adult male from Keetmanshoop, Damaraland, presented to the Museum by Mr. Sigmund Haagner.

These two species apparently belong to the genus *Platymops* Thos., but differing as they do in the dental formula, the P^2 being present, I propose to place them in a new subgenus bearing the name of SAUROMYS, of which *P. haagneri* maybe taken as the genotype. The following figures will indicate the difference in the height of the skull of *N. aegyptiacus* and the present new species, the measurements having been taken from the tips of the P^4 vertically parallel to the top of the premaxilla:

N. aegyptiacus 6.5 mm., *P. petrophilus* 4.2, *P. haagneri* 4.

Platymops haagneri umbratus Shortridge and Carter, 1938

p. 282

Platymops (Sauromys) haagneri umbratus subsp. n.

One specimen from Kliphuis, northern spur of the Cedarberg.

A Cape subspecies of *P. haagneri*, distinguished by its dark coloration.

Colour above smoky seal-brown, a shade paler than in *Nyctinomous bocagei*; under surface smoky-brown, several shades lighter than the

p. 283
upper surface; ears and flying membranes almost black - as opposed to comparatively pale horn-brown in typical *haagneri*.

In typical *haagneri* (series from Goodhouse, lower Orange River, examined, and a single specimen from Berseba, Great Namaqualand) the colour above is drabby brown, paler and less cinereous than the under surface of umbratus, and pale burly, approaching whitish, below.

Type (in the Kaffrarian Museum). - Adult male, original number 2827, collected 7th December 1937 at Kliphuis, Pakhuis Pass, 11 miles N.E. of Clanwilliam, N.W. Cape Province.

Dimensions of Type. - H. and b., 61; tl., 31; hf., 8.5; ear, 15; forearm, 37 mm.

Skull. - Basal length, 16.2; zygomatic width, 10; width of brain case, 9; interorbital constriction, 3.7; length of palate, 5.5; upper dental series (from front of canine), 6; mandible, 12.5 mm.

Genus new to the Cape Province.

Platymops Macmillani Thomas, 1906

p. 500

Size about as in *Mormopterus acetabulosus*, the abnormally short forearms giving a deceptive idea of the general bulk. Fur short; hairs of back about 3 mm. in length. General colour above smoky blackish, below dull whitish along the middle area, blackish along the sides. Limbs dark above, whitish below; membranes dark throughout, except that the surface near the body below is lighter, as is the extreme edge of the plagiopatagium. Ears widely separated, triangular, their anterior edge evenly convex, their tip rounded; antitragal notch scarcely perceptible. Tragus fairly large, quadrate, its inner edge about equal to its breadth at tip. Upper side of forearm, wrist, and basal half of third metacarpal thickly and coarsely shagreened with small round warts, very much as is the case in *Vespertilio Floweri*, de Wint. Wing-membrane attached to the distal third of the tibia. Upper side of the short lower leg flattened, finely granulated. Proximal plantar pad very prominent. Penis short, without special modifications.

Skull and teeth as described above.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 32 mm.

Head and body 51; tail 27; tail free from membrane 15; ear 15; tragus on inner edge 2; third finger, metacarpus 31, first phalanx 12.5, second phalanx 11; fifth finger, metacarpus 23, first phalanx 6.5, second phalanx 6.7; lover leg 11; calcar 16.

Skull: condylo-basal length 16; basal length in middle

p. 501

line 13; zygomatic breadth 11.2; breadth between preorbital processes 7.4; interorbital constriction 3.8; greatest mastoid breadth 10.2; height from basion to top of brain-case 4; palatal length in middle line 5.9; front of canine to back of m^3 6; front of lower canine to back of m_3 6.6.

Hab. N.E. Africa, between Adis Ababa and Lake Rudolf.

Type. Adult male. Presented by W. N. M^{c}Millan, Esq. Collected by Ph. C. Zaphiro. Seven specimens examined.

The peculiar flattening of the head of this bat - even to the abolition of the sagittal crest and the reduction in the vertical thickness of the lower jaw - probably indicates that it either lives in small cracks in trees or rocks, into which it may creep beyond reach of enemies, or else that it frequents some large-leaved plant (such as banana or cactus), between whose leaves the other bat with a similarly shagreened forearm (*Vespertilio Floweri*) was found by Mr. N. C. Rothschild.

I have named this most interesting bat in honour of Mr. W. N. M^{c}Millan, to whose liberality science is indebted for the exploration of which it is part of the outcome.

Platymops petrophilus Roberts, 1917

p. 4

This bat has a superficial resemblance to *Nyctinomus aegyptiacus* (S. African specimens), but upon close examination is found to differ in having the ears more widely separated at the inner base; the antitragus represented by a mere thickening of the lobe; horny points on the upper part of the ear commencing near the rim of the ear and not far down as in aegyptiacus; the thumb very thick ;the first and fifth toes also very thick-equal to double that of either of the other three-and thickly covered above and on the outer surface with fine whitebristly hairs, but with hardly any of the very long vristles found in *aegyptiacus*; the ears are haired as in *aegyptiacus*, but the area around the fibulae is more sparsely covered with white hairs. The ears arise about 4mm. apart to a height of a little more than 1 mm. and the upper margin thence for about 13 mm. is practically horizontal, thence curving downwards little way, increasing the breadth of the ear to 15 mm., then downwards and very slightly inwards for about 9.5 mm. to a point whence an increasing tendency inwards for 4 mm. carries the lower margin in an almost straight line to the outer base; the antitragus is represented by a broadening and thickening of the lobe, flattened or slightly folded on the upper surface, with only a slight emargination beyond its outer edge; the tragus is like that of *aegyptiacus*, quadrate, rather narrower at the base than the tip,with a slight nitch in the outer edge. The horny points on the upper margin of the ear are five in number just below the horizon, the rest on the edge of the ear, producing a saw-like horizon. The lips are wrinkled, the nostrils sub-lateral and no glands appear to be present. The wings arise on the tibia at about one-third of the length of the tibia from the feet.

The skull of the type is, unfortunately, fragmentary, having been crushed when the rock was overturned under which it had taken up its abode. Nevertheless, from what there is of it, the dentition is clearly seen to be numerically identical ,with that of *N. aegyptiacus*, but the skull is flattened as in *Platymops* Thos. (Ann. & Mag. N.H., ser. 7, vol. 17, p. 499, 1906) ;the premaxillae do not meet anteriorly, and the incisors are large and convergent ; the foremost premolar (P 2) is small but easily seen without the aid of a lens, and is situated between the C and P4, well within the tooth row; the lower anterior premolar is slightly smaller than the posterior premolar.

Dimensions (taken from a spirit specimen) : Length of the head and body 53 mm., of the tail 38, of the free portion of the tail 15; diametre of the ear, vertically 14, horizontally 15; height of tragus 2.5; length of snout to the inner base of the ear 7; forearm 42; thumb 7; third digit, metacarpal 43, 1st phalanx 16, 2nd without the cartilage 15, with the

p. 5

cartilage 22 ; fourth digit, metacarpal 41, lst phalanx 15, 2nd phalanx without cartilage 8.5, with cartilage 11.5; fifth digit, metacarpal 27, lst phalanx 11, 2nd with the cartilage 7.5; tibia 9; hind foot length (c.u.) 8, breadth 4 ; breadth of ankle pad 2. Skull: Length of dental series, from front of C to back of M3, 7.4 ; greatest length of mandible 13.5.

Type: Adult male, in spirits, taken by G. van Dam at Bleskop, near Rustenburg, 2nd February, 1917.

Platymops petrophilus erongensis Roberts, 1946

p. 308

Of about the same size as *P. p. petrophilus* Roberts (*Ann. Transv. Mus.* VI, 4; 1917: Bleskop, Rustenburg district), but in colour pale brownish grey above (instead of tawny olive), below greyish white (instead of pale tawny olive), and ears light brownish instead of dark brown.

Measurements of eighteen adults (including the type) from Eronga Mountain, and, in brackets for comparison, of two specimens, including the type, of which the skull is broken, of *P. p. petrophilus*: Head and body 55 - 62 (53, 53); tail 33 - 40 (38, 35); hind foot (c.u.) 7 - 8.5 (8); ear 13 - 17 (14, 13.5). Wing span in ten measured in the flesh 275 - 302. Forearm 38 - 41.5 (42, 39.5); 3rd digit, metacarpal 39.5 - 43 (43, 42); 1st phalanx 15 - 16 (16, 17.5), 2nd phal. 16.5 - 19.5 (22, 20); 4th digit, metacarpal 38.5 - 42.5 (41, 42); 1st phal. 12.5 - 14.5 (15, 14.5), 2nd phal. 8.5 - 10.5 (11.5, 11.2): 5th digit, metacarpal 26 - 29 (27, 27.5). Tibia and foot (c.u.) 18 - 19.5 (19, 19). Skull, greatest length 17 - 18 (17.5); nasal cavity to occiput 15 - 16.5 (15.6); basilar length 13.2 - 14.8 (15); zygomatic width 10.5 - 11.6 (11.5); mastoid width 9.8 - 10.8 (11.3); width of brain case 8.2 - 8.9 (9); posterior median height 4.6 - 5 (4, 6); interorbital, anterior, width 6.3 - 7.1 (7.2); interorbital-constriction 3.5 - 4 (3.7); c-m^3 series 6.1 - 6.5 (6.4,

6.4); width across m^3 7.2 - 7.7 (7.3); width across upper canines 4.3 - 4.7 (4.7); mandible length 11.8 - 12.5 (12.8, 12.8); c-m_3 series 6.7 - 7.3 (7.1, 6.8).

Type: T,M, No, 9494, adult M, Ombu Farm, Eronga Mountain, Omaruru district, South-west Africa; also nineteen more skins and skulls and others in alcohol.

Platymops petrophilus fitzsimonsi Roberts, 1946

p. 308

In size about the same as *P. p. petrophilus* Roberts, but in colour paler and more greyish, especially about the head and neck, which are lighter than the back, and below paler and more whitish; the ears are blackish, contrasting with the hair of the head.

Measurements of the type and another F captured at the same time: Head and body 60, 57; tail 40, 35; hind foot (c.u.) 9, 9; ear 15, 14; wingspan 292, 272. Forearm 40, 38; 3rd digit, metacarpal 41, 40; 1st phal. 15.5, 14.5 and phal. 19, 18; 4th digit, metacarpal 41.5, 41.5; 1st phal. 13.5, 13; 2nd phal 10.5, 9.5; 5th digit, metacarpal 10.5, 9, Tibia and foot (c.u.) 19, 19. Skull, greatest length 17.8, 17.2; nasal cavity to occiput 16.2, 15.5; basilar length 15, 14; zygomatic width 11, 10.5; mastoid width 11, 10; width of brain case 9, 8.5; posterior median

p. 309

height 4.7, 4,6; interorbital, anterior, width 6.7, 6,8; interorbital constriction 3,6, 3.7; c-m^3 series 6.1, 6.1; width across m^3 7.5, 7; width across upper canines 4.5, 4.4; mandible length 12.3, 11.8; c-m_3 series: 6.5, 6.3.

Type: T.M, No, 8968, adult F, Mitchell's Pass, near Ceres, Cape Province; also another F from the same place; captured by Dr V. FitzSimons under a cleft rock.

Plecotus æthiopicus Heuglin and Fitzinger, 1866

p. 546

Von dieser bis jetzt noch unbeschriebenen Art überbrachten Heuglin's Leute ein Exemplar vom Bahr-el-abiad.

Plecotus teneriffae Barrett-Hamilton, 1907

p. 520

Plecotus teneriffæ sp. n.

This bat resembles *P. auritus* of Britain, but has much larger wings. The *colour* is apparently darker, but cannot be taken as reliable from the old dried skin upon which this description is based: it is, above, near Ridgway's "hairbrown," the hair-tips lighter; below, dirty yellowish white, the dark basal portions of the hairs not evident.

The type has no skull.

The *dimensions* (in millimetres) of the type are as follows: -

Head and body 52; tail 45; ear from the notch 35; tragus 14; thumb without claw 6; longest digit 73; basal joint of fifth digit 35; basal joint of second digit 37; forearm 44; tibia 18.5; hind foot (without claw) 8.

Hab. Teneriffe.

p. 521

The *type*, a dried skin, is No. 87.4.18.1 of the British Museum collection, and was taken at Orotava, Teneriffe, by Señ. R. Gomez on the 3rd of April, 1887.

The large wings of this bat mark it as distinct from any other known *Plecotus*.

Propottininae Butler, 1984

p. 175

Subfamily PROPOTTININAE nov.

Diagnosis: Lower molars with low relief and poorly differentiated cusps, but posterior trigonid crest retained, and talonid not shortened; M/3 less reduced than in other Pteropodidae, and M3/ probably present; mandible fairly robust.

Propotto Simpson, 1967

p. 50

Type-species: *Propotto leakeyi* new species.

Known distribution: Miocene of Kenya; Songhor and probably Rusinga.

Diagnosis: Lorisids with variable lower cheek teeth closely resembling those of *Perodicticus*. P3-M3 rounded, ovate in outline with low, blunt, poorly defined cusps. P4 not oblique, excavated anterointemally and with vague metaconid; talonid with shallow basin, papillated. Ml-2 with low, blunt, almost median protoconid and smaller metaconid posterointernal to it. Talonids basined, with blunt hypoconid; entoconid region papillated without clear definition of cusps. Ms reduced, essentially a flattish crown with a central basin surrounded by a vaguely cuspidate rim.

Discussion: The apparently degenerate characters of the highly peculiar cheek teeth of this genus are like those in the Recent *Perodicticus* but may be even more extreme in the fossils. The details are so extremely variable in both that it is conceivable that almost any apparently diagnostic feature of the fossils might recur in the living forms, but in fact I cannot match all the characters listed above in a fair series of *Perodicticus* jaws and generic distinction seems warranted. Another possible distinction is that all three of the fossil jaws seem to deepen forward in a peculiar way that I have not seen in Perodicticus but that is approached in some specimens of its Asiatic vicar *Nycticebus*.

The three specimens on which this genus is based were not known to Clark and Thomas, and they have not heretofore been mentioned in print.

Propotto leakeyi Simpson, 1967

p. 50

Holotype: Specimen R of consolidated list.

Hypodigm: Specimens R, S, and T.

Known distribution: Miocene, Songhor , and probably Rusinga.

Diagnosis: Only known species of the genus. Measurements of lower teeth as in Table 4.

Discussion: The generic diagnosis calls attention to the most striking features of these specimens, and the accompanying figures obviate need for further verbal description. These peculiar dentitions are unlike any previously described in fossils and resemble those of the living pottos but are perhaps even more extreme in modification of the more primitive, more insectivore-like cheek teeth of other lorisids. The three specimens vary markedly in size, proportions, and structure of the teeth and at first sight seem hardly compatible with reference to a single species. However, *Perodicticus potto* is almost if not quite as variable in the same ways, and valid separation of species among the fossils will require larger samples, if it is called for at all.

SKULLS AND UPPER DENTITIONS

No associated upper and lower dentitions are known. The one Uganda specimen, the facial part of a skull, is the only nomenclatural type including upper teeth. As it cannot be compared with the Kenya types, it is a special case.

The Kenya specimens of skulls and upper teeth are from the same localities or areas as the lower jaws, including the five nomenclatural types, and it is presumable that they may for the most part if not altogether represent the same species. As is almost always true of fossil mammals, more lower than upper teeth and jaws are known.

Lower teeth of *Progalago dorae*, *P. songhorensis*, *Komba robustus*, and *K. minor* fall into four corresponding size groups without overlap among the known samples. *Propotto leakeyi* is of about the same size as *Progalago dorae*, but it is so distinctive morphologically that its upper teeth could almost surely be recognized if found. (They are not known.) The smallest species known from lower dentitions, *Komba minor*, should be recognizable by its size, or, at least, upper teeth too large to occlude can be excluded from consideration. In fact none of the upper teeth here available could belong to this species.

There remain three species of different sizes based on lower jaws and teeth: *Progalago dorae*, *P. songhorensis*, and *Komba robustus*, in sequence of decreasing size. Of the eight specimens with upper teeth, one (AI of consolidated list) is so poorly preserved as not to warrant any attempt at identification. The other seven do fall into three groups as regards size. They are here taken as possibly corresponding with the three named species based on lower jaws. These references are, however, quite uncertain. The skull and upper tooth specimens are not included in specific hypodigms (except *Mioeuoticus bishopi*) or definitely referred to species. They are here described as cf. *Progalago dorae*, etc.

Pteropus Erxleben, 1777

p. 130

15. PTEROPVS.

Dentes Primores IV vtrinque,

Palmae corpore longiores, pollicibus brevissimis, membrana inter digitos expansa et ad crura postica extensa, pro volatu.

Mammae duae pectorales.

Pteropus comorensis Nicoll, 1908

p. 87

Pteropus comorensis.

On one occasion we visited a small island situated in the middle of the harbour. This island, which is marked on the charts as "Buzi," was thickly covered with vegetation, and in some places it was impossible to force a way through the prickly clumps of acacia trees. The heat was intense, and I have never felt the sun so much as I did on Buzi.

…

This little island was tenanted by a large colony of fruit bats.‡ They were, however, in the thick trees on the inaccessible side of the island, where it rises straight up from the sea. Every evening numbers of them flew across to the main island,

‡ *Pteropus comorensis*

p. 88

and one evening, on our way back to the ship after a day's collecting in the mangrove swamps, we shot one as it flew over the steam launch. Its fur was of a reddish colour, thick and soft. A most unpleasant skunk-like smell clings to one's hands after touching one of these bats, and this is especially noticeable when the animal has just been shot. On several occasions I saw these fruit bats splash into the salt-water of the harbour, but whether they were drinking or washing I do not know.

[The first paragraph mentioned above doesn't actually belong to the description, but was separated from it by a paragraph on swifts (*Cypselus mayottensis*). However, I did include it since it refers to "this little island" in the first sentence of the description, which might indicate that the type locality can be restricted to "Mayotte: Buzi Island".
Furthermore, the name *Pteropus comorensis* was mentioned as a footnote, hence the use of the "‡" symbol.]

- Victor Van Cakenberghe, December 2009.

Pteropus dupréanus Schlegel, 1867

p. 419

Pteropus dupréanus, n. sp.

Allied to *P. stramineus*

p. 420

from Sennaar and Senegambia; but tail longer (7 lines), and the general colour of fur greyish yellow.

Pteropus fuscus E. Geoffroy Saint-Hilaire, 1803

p. 46

1. Esp. La roussette brune. *Pteropus fuscus*. (Geoff.).

Catact. Pelage brun, des poils roux sur la face, autour de l'anus, et sur les parties latérales du dos.

Canis volans ternatatus orientalis, Seba, Mus. I, p. 91, t. 57, Fig. 1, 2.

Vespertilio vampyrus, Lin. Gml. p. 45.

Chien volant Daub., Mém. de l'Acad. 1759, p. 384.

Roussette, Buff. Daub. t. 10, p. 55 - 66, pl. 14.

Descript. T. 0,^{m}22 (8 p. 2 l.). Envergure, 0,^{m}88 (2 pi.

p. 47

8 p. 1 l.). Incisives supérieures séparées entr'elles presque également, les latérales plus courtes; point de queue; corps brun-noirâtre, différentes teintes de roux-jaunâtre s'étendant de chaque côté du dos et des lombes, depuis les épaules jusqu'à la croupe.

Patrie. Les Indes.

N°. LXXXVI. Individu vu en dessous, les ailes étendues, envoyé de l'île Bourbon, par M. de la Nux, conseiller au ci-devant conseil royal de cette île.

N°. LXXXVII. Autre individu vu dans la même position, mais différant un peu due précédent par quelques teintes d'un jaune plus clair sur la tête, envoyé de l'île de Bourbon par M. de la Nux.

N°. LXXXVIII. Autre individu envoyé de Madagascar, par le citoyen Macé, naturaliste.

N°. LXXXIX. Foetus conservés dans l'esprit de vin; ils sont nus et blanchâtres.

Pteropus Gambianus Ogilby, 1835

p. 100

Two undescribed *Pteropi*, brought over by Mr. Rendall, present some modifications of dentition which have not been observed in other species, and which appear to indicate a subgenus, probably representing the common Asiatic forms on this coast of Africa. These animals have the incisors and canines of the same form and number as the rest of the genus, but there are only three molarcs in the upper and five in the lower jaw. The incisors are small and regular, the canines of intermediate size; the first false molar in the lower jaw is small and of the normal form, but the second in this jaw and the first in the upper are of the same form as the canines, and very little inferior to them in size, so that when the mouth is opened there appear to be four canines in each jaw; next follows in either jaw a tooth with a large fang upon the outer edge and a smaller one within, which is of intermediate form between the true and false molars; after which come two normal molars in the lower and one in the upper jaw. All the molars are separated from one another by a vacant space on each side; this gap is particularly large between the real and spurious canines or first false molars in the upper jaw, the corresponding space in the lower having, in its centre, the small false molar already mentioned.

Pteropus Gambianus.

Length from the nose to the centre between the thighs: 6 $^{3}/_{4}$ in.
Length of the head from the nose to the root of the ear: 1 $^{3}/_{4}$
Expanse of the wings: 1 f 8 in.

p. 101

The fur is of a very soft woolly texture, and of a uniform reddish mouse colour over every part, only rather lighter on the sides of the neck and belly than on the superior surface of the body. The wings are ample, naked except upon the thighs and arms, and of a light brown colour; there is no real interfemoral membrane; but the whole posterior face of the thighs and body is margined with a narrow band of integument about half an inch broad, and covered above with the same description of hair as the back. The ears are small, naked, erect and elliptical, and the eyes placed much nearer to them, and consequently at a greater comparative distance from the muzzle, than in the ordinary *Pteropi*

Pteropus Haldemani Hallowell, 1846

p. 52

Description. - General expression ferocious; head resembling that of a dog; ears of moderate size, smooth for the most part, obtuse at the tip, hairy at base externally; there is no tragus; body dark brown above; neck, occiput and vertex same colour, but lighter than upon the back; wings and interfemoral membrane of a sienna brown colour above and below; thorax and upper part of abdomen and sides brown; the rest of the abdomen is white; there are two long and thin hairs upon the muzzle; lips full, nostrils prominent, their margins being surrounded by a fold of the skin; eyes rather large, irides - ; wings long; that portion of the membrane included between the phalanges naked, the remainder more or less hairy above and below; upper surface of the interfemoral membrane hairy, with the exception of a small part at its posterior extremity which is naked; under surface also hairy, but much less so than upper; no tail; tibia and fibula included within the membranes; four slender toes, compressed, of nearly equal length, the outer one being a little shorter than the others; they are sparsely furnished with thin hairs, varying in length; the terminal phalanx of each is provided with a robust, sharp and incurvated nail. The index finger like the thumb is also furnished with a short and incurvated nail.

Measurements. Inches.
Total length: $3^{1}/_{2}$

Length of head: $1^{3}/_{4}$
Distance between anterior margin of nostril and anterior canthus of eye: $^{5}/_{8}{}^{1}/_{10}$
Distance between angle of mouth and anterior canthus of eye: $^{3}/_{8}$
Length of neck, body and tail: 3
Length of forearm; 3
Lengtfr of tibia: $1^{1}/_{4}$
Spread: $14^{1}/_{4}$
Length of thumb: $^{3}/_{4}$

p. 53

Incisors. $^{2-2}/_{2-2}$ Canines. $^{1-1}/_{1-1}$ False Molars. $^{1-1}/_{2-2}$ Molars. $^{2-2}/_{3-3}$

This species I have named after my esteemed friend, S. S. Haldeman, Esq., author of the N. American Limniades, who obtained it with other African animals from Dr. Goheen, Physician to the American Colonization Society.

Pteropus labiatus Temminck, 1837

p. 83

PTEROPUS LABIATUS.
ROUSSETTE LABIAIRE.

Portrait du mâle Pl. 39 fig. 1, 2 la femelle 3.

Cette belle roussette, dont le mâle est remarquable par la longueur extrême des pinceaux onctueux et par le prolongement labial au deux mâchoires, est de la taille de notre *vespertilion murin* d'Europe. Son museau est long; ses dents incisives sont fines et entassées; un appendice membraneux de peu de largeur sert d'interfémorale, et quoique entourant le coccyx par un rudiment elle n'est point visible sur cette partie, étant cachée et totalement couverte en dessus comme en dessous par les poils qui revêtent une grande portion de cette membrane adhérante au tibia: membranes des ailes naissant immédiatement des flancs. Oreilles longues et pointues.

Pelage cotonneux sur toutes les parties du corps, particulièrement sur le dos, moins, ou plus lisse aux parties inférieures.

Le mâle, porte tout le long du bord des deux mâchoires un prolongement de la partie labiaire qui tombe de plusieurs lignes au-delà du bord inférieur et cache totalement l'ouverture ou la fente latérale de la bouche, à-peu-près de la même manière comme dans le chien dogue de forte race; ce singulier appareil, propre aux deux machoires, donne à la tête du mâle de cette espèce une physionomie toute particulière. Le pelage cotonneux des parties supérieures revêt aussi toute la région humérale et le bord de la membrane alaire adhérante aux flancs; ce pelage ainsi que celui de la tête qui est court et ras, porte une teinte isabelle roussâtre, mais d'un ton plus roux vers le dos et surtout à la croupe; insertion des oreilles et bord postérieur de celles-ci couvertes de poils blancs; de chaque côté du cou qui est d'un brun roussâtre, nait une ample touffe de longs poils d'un blanc pur; ces larges pinceaux qui recouvrent probablement un appareil onctueux forment deux panaches dont les poils sont divergent d'un centre commun. La poitrine, la région humérale, les flancs et la région du coccyx sont

p. 84

roux clair; le milieu du ventre où les poils sont assez courts et lisses est d'un blanc terne. Toutes les membranes ont une teinte couleur feuille-morte.

La femelle dont nous donnons la tête vue de profil, pl. 39 fig. 3, ne diffère point remarquablement par la coloration du pelage, mais elle manque de tout vestige d'appendice labial; et n'a point de pinceaux ou de poils divergens aux côtés du cou.

Longueur totale 4 pouces 1 ou 2 lignes; envergure 15 pouces; antibrachium 2 pouces 4 lignes.

Patrie: M. Botta a déposé au Musée de Paris deux individus de cette belle et nouvelle espèce, découverte dans son voyage en Abyssinie. Les sujets du musée des Pays-Bas ont été acquis, l'un à Londres sans indication de patrie, l'autre à Paris, provenant des collections de Mr. Botta.

Pteropus Leachii A. Smith, 1829

p. 433

Pteropus Leachii, mihi.

P. suprà fusco-cinereus, infrà sordido-cinereus, caudâ liberâ.

Colour above a sort of brownish gray, beneath a dirty pale smoke gray; incisors short, strong, regular, and rounded at tips; head long; ears of moderate length and rounded at the apices; membranes blackish, interfemoral one only edging the inner side of each hinder extremity; tail free. Length from forehead to root of tail, four inches; length of tail, three-quarters of an inch; expanse of wings, thirteen inches. Found abundantly in the gardens about Cape Town during the fruit season, and often proves very

destructive to vineyards in the night. A larger species of the same genus inhabits the interior, but I have not yet been able to obtain a perfect specimen. Named after the celebrated naturalist Dr. Leach, F.R.S.

Pteropus macrocephalus Ogilby, 1835

p. 101

The whole length of this species is barely 6 inches, the length of the head 2 inches, and the expanse of the wings about 1 foot 3 inches. The colour, form and appearance are much the same as in the last species, but the *Pter. macrocephalus* is at once distinguished by the great size of the head, as well as by the colour of the flying memhranes which are very dark brown, nearly approaching to black. The canine teeth also, as well as the head, are of much larger size, and the interfemoral margin is narrower. Dr. Horsfield, from the great length of the head, thinks that this species may approximate to the *Macroglossus* of M. F. Cuvier, the *Pter. rostratus* of his own 'Zoological Recsearches in Java.' It is to be observed, however, that it differs in denrition from that animal, as well as from all other *Pteropi* hitherto described; and, with the *Pter. Gambianus*, may furnish the type of a new geuns to those who regard such modifications as amounting to generic characters. Mr. Rendall's collection contains numerous specimens of both the species here described

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Pteropus mascarinus Mason, 1907

p. 221

Pteropus mascarinus, sp. n.

Skull. - With moderately long but heavy muzzle, flattened and scarcely concave frontal region. Sagittal crest weakly developed, almost obsolete.

Measurements. - A few of the measurements can only be given approximately owing to the damaged condition of the specimen: -
Upper length (approximate) 49 mm.; condylo-basal length (approximate) 46; basilar length (approximate) 44; median palate length 28; breadth between outer sides of canines 9.8, inside canines 4.3 ; outside p.4 13.8, inside p. 4.8; outside

p. 222

m.2 13, inside m.2 9.2; zygomatic breadth (approximate) 27; least interorbital breadth 7.8; the dimensions of the structure behind postorbital process cannot be taken; greatest breadth of brain-case 15; occipital depth 11; mandible 40.6; maxillary tooth-row exclusive of incisors (alveoli) 20.1; mandibular tooth-row exclusive of incisors (alveoli) 22.3.

Teeth. - With the longitudinal grooving characteristic of the genus *Pteropus*, very strongly developed, somewhat large and heavy for the size of the animal; canines long and sharp, both above and below, with unusually acute and prominent postero-internal basal ledges, those of the maxillary in particular; first upper premolars very minute, but would have been still persistent in the type and standing in the tooth-row.

Measurements. - The sizes of the upper incisors and second upper molars are omitted, as these teeth are wanting in the specimen. Vertical length of upper canine 7.5 mm.; horizontal length of upper canine 3.5; horizontal length of p.3 3.8, width 2.3; horizontal length of p.4 3.8, width 3; horizontal length of m.1 4.1, width 2.1. Lower teeth - combined breadth of incisors - ?; height of canine (from basal ledge behind) 5 ; horizontal length of anterior premolar 2; of p.3 3.8, width 2.1; horizontal length of p.4 3.5 ; of m.1 4.3, width 2; horizontal length of penultimate molar 3, width 1.8; horizontal length of m.3 1.5, width 1.4.

Locality. - Round Island, North-east Mauritius.

As compared with the now existing *Pteropi* of the Mascarenes, this species occupies a place intermediate between *Pteropus vampyrus* and *Pt. rodricensis*, in size only, the dentition being typical of *Pteropus*, whereas the two above species fall into the subgenus *Spectrum*. The only other fruit-bat occurring in the Mascarenes is *Pt. rubricollis*, and this has been placed by Matschie in his subgenus *Sericonycteris*. A great analogy, in fact, exists between the dentition of *Pt. mascarinus* and those species of *Pteropus* (*tonganus, Gouldii*, and *conspicillatus*) inhabiting Australia and the islands of the Pacific Ocean.

The limb-bones call tor no special description, the most perfect specimen being the right femur, which measures 40 mm.

Since the above was written a few additional bones referable to this new species, and representing two younger individuals, have been received. Their fragmentary condition has, however, failed to add any additional particulars to the above description of this interesting and lost species.

Pteropus mollipilosus H. Allen, 1862

p. 159

Head small; ears large. Envergure great. Interfemoral membrane scanty. Tail very small, free. General hue olive brown: brighter upon the back of the neck, where a faint dusky-brown line is seen traversing the thick fur of this region. Antero-posteriorly a patch of the same hue lies upon each shoulder; that upon the back is thinner and darker. The interfemoral membrane is well

furnished with soft olive brown hair, which becomes more scanty and shorter as it runs down the legs and the back of the feet to the claws. Back of the humerus and ulna thinly covered with the hair of the prevailing hue; anterior part of neck russet; belly of the same prevailing color as the back, with an inclination to dusky red upon the thighs.

* This disposition of the superior incisors is peculiar. We know that these teeth frequently vary; as, for instance, in the genus Hypoderma, where the young animal has i $^{4}/_{4}$ and later in life $^{2}/_{2}$; the elderly animal possessing but $^{2}/_{0}$. Thus, the difference in the number of the incisors is not of the importance which might at first sight be supposed. It is interesting, however, to know that this is the only instance of incisorial variation as yet seen among the species of Epomophorus.

p. 160

Fine straggling hairs clothe the inferior surface of the ulna and humerus, and stretch out upon the membrane down along the sides of the body and upwards upon the interbrachial membrane. Everywhere the hair is very soft.

The skull is of medium size, not crested. The postorbital processes are long and incline outward and downward to within two lines of the zygomas. The intermaxillary bone is not thrown forward and downward as in other Pteropi, but is on the same level as the roof of the mouth. The first premolar above is larger than the incisors. The same tooth on the lower jaw is also of good size, but less tubercular than in other species.

The dimensions are as follows:

Length from nose to base of tail: 8.0
" " " commencement of membrane: 3.0
" of head: 2.3
" from nose to eye: 1.0
" " eye to ears: 0.6
Between eyes: 0.9
" ears: 1.3
Height of ears: 0.10
Length of tail: 0.3
" superior extremity: 6.6
" thumb: $1.7^{1}/_{2}$
" first joint: $0.4^{1}/_{2}$
" second joint: 1.3
" index finger: 3.0
" third " : 8.0
" fourth " : 6.5
" fifth " : 5.0
Envergure: 26.0

It will be observed that the length of the inferior extremity and the expanse of wing membrane are greater than usual, when the other proportions are taken into consideration.

Hab. Western Africa; discovered by M. Duchaillu.

Pteropus rodricensis Dobson, 1878

p. 36

Ears slightly longer than the muzzle, but projecting by their upper third only from the long fur surrounding them; ear-conch moderately broad in lower three fourths, very abruptly narrowed above by flattening of the upper fourth of the inner margin and a deep concavity of the corresponding part of the outer margin, terminating in a narrow acute tip; more than two thirds of the concave surface of the conch is well clothed with moderately long hairs, the uppper fourth and the back of the ear naked or with a few short hairs only (Plate III. Fig. 1).

Fur long and dense, in quality intermediate between that of *Pt. Edwardsii* and *Pt. Vulgaris*; that covering the back of the head, neck, and shoulders very long, on the back shorter but not appressed, the hairs directed backwards, extending thickly upon the wings almost as far outwards as a line drawn from the proximal third of the

p. 37

humerus to the knee, upon the femur, knee, and adjoining wing-membrane along the proximal third of the tibiæ, about two thirds of which are thickly covered with straight hairs directed backwards, their distal thirds being nearly naked as well as the feet; and, although the fur of the back extends upon the interfemoral membrane, it does not conceal its posterior margin, and its lower third, supported by the calcanea, is naked. Beneath, the antebrachial
membrane is covered with long thinly-spread hairs, and similar hairs clothe the wing-membrane between the humerus and femur, and extend outwards in a broad band behind the forearm. Face reddish brown, with a few greyish or shining hairs: chin and throat darker brown; top of the head and nape reddish or yellowish brown, passing into a band of bright yellow, which extends across the back of the neck from shoulder to shoulder, and downwards on the sides of the neck and thorax, limited by a longitudinal band of dark fur passing backwards from the chin along the thorax to the abdomen, which is clothed with dark brown fur, of which some hairs have greyish or shining extremities; fur of the back behind the shoulders dark brown, the extremities of the hairs more or less yellowish. In the male the extremities of the hairs on the head and back are much brighter-coloured than in the female.

First upper premolar deciduous; the second upper premolar and the second and third lower, also the first and second upper molars and the first lower, have each a small but distinct posterior basal cusp; even the small first lower premolar has an indication of a posterior basal cusp; last upper molar very small and circular, not as large as the first lower premolar; last lower molar slightly larger than the first lower premolar.

Length (of an adult M preserved in alcohol), head and body 7", head 2".2, ear 0".9, ear from tip of nostril 2", eye from tip of nostril 0".8, forearm 4".9; thumb-metacarp. 0".35, ph. And claw 1".6; third finger-metacarp. 3".3, 1st ph. 2".4, 2nd ph. 3".55; fourth finger-metacarp. 3".25, 1st ph. 2", 2nd ph. 1".85; fifth finger-metacarp. 3".35, 1st ph. 1'.5, 2nd ph. 1".45; tibia 2".25, calcaneum 0".6, foot 1".15.

Hab. Island of Rodriguez.

A-d. M & F juv. Et ad., al. Rodriguez. Royal Society.
E. F ad. Rodriguez. Royal Society.
F. Ad. Sk. Rodriguez. Royal Society.
G. Skeleton. Rodriguez. Royal Society.

Pteropus ruber E. Geoffroy Saint-Hilaire, 1803

p. 48

3. Esp. La roussette à cou rouge. *Pteropus ruber*. (Geoff.)

Caract. Pelage gris, dessus du cou rouge.

Pteropus fuscus, Briss.

Roussette, Daub. Mém. de l'Acad. 1759, p. 385.

Rougette, Buff. t. 10, p. 55, pl. 17.

Descript. T. 0,^{m}17 (6 p. 4 l.). Envergure 0,^{m}66 (2 pi. 1 p.), incisives rapprochées, les inférieures par paire; point de membrane interfémorale; pelage entièrement de couleur centrée mêlée de brun; dessus du cou garni de poils roux-vifs, nués d'orangers; poils longs et un peu crépus.

Patrie. Les Indes Orientales.

N°. XCI. Individu envoyé de Madagascar par le citoyen Macé.

Pteropus rufus E. Geoffroy Saint-Hilaire, 1803

p. 47

2. Esp. La roussette marron. *Pteropus rufus*. (Geoff.)

Caract. Pelage roux, le dos, depuis les épaules, de couleur marron-foncée.

The great bat from Madagascar. Edwards, Aves, t. 4, pl. 180.

Descript. T. 0,^{m}29 (10 p. 7 l.). Envergure 0,^{m}86 (2 pi. 6 p.), incisives supérieures intermédiaires plus grandes et plus rapprochées entr'elles que les latérales, point de queue; dessus du corps roux, beaucoup plus clair sur la tête; les épaules et le cou bruns en dessous; museau noir.

Patrie. Madagascar.

N°. XC. Individu envoyé par le citoyen Macé, naturaliste.

Pteropus rufus princeps K. Andersen, 1908

p. 367

Pteropus rufus princeps, subsp. n.

Similar to *Pt. rufus rufus*) (*Pt. edwardsi* auct.), but skull and external dimensions conspicuously larger. Total length of skull 77 mm. (69 - 73.8 in the typical form of the species); mandible 62 (54.5 - 58.2); forearm 170.5 (158.5 - 165.5).

Type. M ad. Alc. And skull, Fort Dauphin, S.E. Madagascar; collected by M. Cloisel ; B.M. 91.11.30.10.

Remarks. - The typical smaller form of the species is apparently confined to the northern and central part of Madagascar.

Pteropus Schoënsis Rüppell, 1842

p. 131

Pteropus schoënsis (Rüppell).

Diagn. Pteropus ecaudatus, auriculis brevibus, halluce elongato, corporis colore cervino, regione epigastrica canescente; macula albicante ante et post auriculas, ad latera faciei a naribus per oculos fascia umbrina; unguibus nigris.

Ich hatte Zweifel, ob dieses Thier nicht etwa das Jugendalter von *Pteropus Whitei* Bennet, (*Pt. labiatus* Botta) sey. Die wenig abgenutzten Doppelspitzen der Schneidezähne des einzigen von mir untersuchten Thieres deuten auf ein junges Individuum hin. Aber bei genauer Vergleichung ergab es sich, dass bei der hier zu beschreibenden Art das Daumenglied bei weitem länger, und die Ohren vergleichlich viel kürzer sind als bei dem Bennet'schen *Pteropus*. Ich bedauere, dass die Untersuchung der Schädel beider Thiere nicht thunlich ist, um jegliche Ungewissheit über die Artenverschiedenheit zu lösen. Die Körperausmessung gab folgendes Resultat:

Zoll. Lin.
Ganze Körperlänge von der Nasenspitze bis zum Mittelrand der sehr kurzen Interfemural-Membran: 8 9
Flugweite: 18 -

p. 132

Vorderarmknochen: 1 11
Daumenglied, ohne Nagel: - 6 $^{1}/_{2}$
Verticalhöhe des Ohrs: - 4 $^{1}/_{2}$

Die Grundfarbe der ganzen Behaarung ist rehfarbig, welches auf dem Bauch und der Kopfmitte ins Hellgraue, und auf dem Rücken mehr ins Röthliche ober geht; von den Nasenlöchern aus verläuft durch die Augen nach dem Ohre zu ein kaffeebrauner Streifen; oberhalb und unter der Basis des Ohrs ist ein Büschel grauwelsser Haare. Auf der innern Seite der Flughaut ist die Behaarung längs des Körpers und an dem Vorderarm hellgrau, und auf der Rückenseite der Flughaut rothbraun. Die robusten, etwas comprimirten Nägel sämmtlicher Zehen sind schwarzbraun.

Das hier beschriebene Exemplar scheint weiblichen Geschlechts zu seyn; es ward mir aus dem Reiche Schoa, südlich von Abyssinien, zugeschickt.

Pteropus stramineus E. Geoffroy Saint-Hilaire, 1803

p. 48

4. Esp. La roussette jaune. *Pteropus stramineus.* (Geoffr.)

Caract. Pelage jaunâtre, une petit queue.

Seba. Thes. I, p. 91, tab. 57, fig. 1, 2.
Pennant, p. 362, pl. 31, fig. 91.

Descript. T. 0,^{m}15 (5 p. 6 l.). Envergure 0,^{m}64 (1 pi. 11 p.), les incisives intermédiaires très-écartées, les inférieures contiguës, égales; la membrane interfémorale cessant au point d'insertion de la queue qui est longue de 0,^{m}010 (6 l.).

Patrie. Inconnue.

p. 49

N°. XCII et XCIII. Deux individus donnés au cabinet par le professeur Fourcroy.

N°. XCIV. Cet autre individu vient de la collection du Stathouder; c'est sans doute l'original qui a servi à la description et à la mauvaise figure qu'en a donnée Albert Seba.

Pteropus Wahlbergi Sundevall, 1846

p. 118

molliter rufescenti-villosus, auriculis oblongis, ad basim, utrimque, maculâ albo-villosa. - Patagium fuscum, ad corpus late denseque villosum: caudale totum cum pedibus posticis, et brachia supra subtusque Villosisisima. Cauda parva, *apice sub patagio libera*, prominula. Pili laterales colli, in MF, radiantes; M præterea fasciculo albopiloso ante humeros ornatus. Prope Port-Natar et in Caffraria interiore occisus: M +/- 50 millim. Caput 60. Cubitus 85.

Pteropus Whitei Bennett, 1836

p. 37

Pter. pallidè brunneus,posticè pallidior; ventre albido; scopá humerali albá magná.

Long. tot. 6 $^{3}/_{4}$ poll.; *capitis*, 2 $^{1}/_{4}$; expansio alarum, 12.

Hab. in regione Gambiensi, *D. Rendall*.

Obs. Scopa humeralis forsan maribus propria.

In naming this remarkable *Bat* in commemoration of an individual who had no share in its discovery and by whom it was never seen, I may seem, strictly speaking, to have erred; but it is time that technical zoology should record the name of one who was by

p. 38

no means unversed in its mysteries, and who has long maintained the highest rank as a popular zoologist. Gilbert White, of Selborne, was the first Englishman who ascertained the existence of indigenous *Bats* other than the two known as European to Linnaeus: to that good man and excellent observer be this singular species dedicated, - a species belonging to one of the few groups of *Bats* that are of direct utility to the human race, and which, preying not on other animals, rest contented with the simple fruits of their native woods.

Pterygistes azoreum Thomas, 1901

p. 33

Very similar to the other species, which scarcely differ among themselves except in size, but smaller than any of them.

General characters, so far as can be made out on the single specimen, as in *P. Leisleri*, to which this form was assigned by Drouet and Peters. But the size is markedly less, the general build is lighter, the ears appear to be rather broader and more rounded, while the tragus is slightly narrower and more pointed.

Colour, in a spirit-specimen, apparently of the usual dark brown characteristic of *Pterygistes*. Hairs of back about 6 millim. in length.

Skull, as compared with that of *P. Leisleri*, smaller and more delicate throughout, smooth, unridged, no sagittal and scarcely any lambdoid crests perceptible in an old male. Teeth practically identical throughout with those of *P. Leisleri*.

Dimensions of the type (an old male, in spirit): -

Forearm 37 millim.

Head and body 54; tail 42; ear 12; tragus, length on inner edge 3, breadth 2; third finger, metacarpus 36.5, first phalanx 15, second phalanx 10.5; fift finger, metacarpal 31,

p. 34

first phalanx 8, second phalanx 4.7; lower leg 17; hind foot (s. u.) 7.7.

Skull: greatest length 14.2; basipalatal length 11; zygomatic breadth 9.4; posterior breadth 9; breadth between orbits 6.4; constriction 4.4; length of palate 5; breadth between outer borders of m^2 6.2; front of canine to back of $m.^3$ 5.1.

Hab. St. Michael's, Azores.

Type. Male. B.M. no. 65.10.2.1. Collected and presented by F. DuCane Godman, Esq. One specimen only.

The single specimen has all its claws, both of feet and thumb, worn down quite blunt. Whether this is accidental or due to the nature of its habitat remains to be seen.

From the gigantic *P. maximus* and *lasiopterus*, through *P. noctula, stenopterus*, and *Leisleri*, there is a regular gradation in size down to this small Azorean representative of the group, all of them differing from each other in little else but size and the correlated development of the cranial ridges.

I accept with some hesitation the generic separation of the *noctula* group from *Pipistrellus*, advocated by Gray, Jerdon, H. Allen, Miller, and Mehely, on the ground that not only is the general build of the body different, but that the wings even are different in shape, owing to the reduction in length of the fifth digit. At the same time it must be admitted that some of the Indian species of *Pipistrellus*, such as *P. ceylonicus, chrysothrix, mordax*, &c., approximate to a certain extent to *Pterygistes*, and render the distinction less marked than it appears to naturalists who have only compared with each other such extreme forms as *Pterygistes noctula* and *Pipistrellus pipistrellus*.

Pterygistes madeiræ Barrett-Hamilton, 1906

p. 98

Pterygistes madeiræ, sp. n.

This bat is similar to *P. Leisleri*, Kuhl, of Britain, but perhaps smaller and with quite different skull. The colour is

p. 99

unascertainable in the old spirit-specimens, which alone are available for examination.

The *skull*, as compared with that of *P. Leisleri*, is slightly smaller, less massive, and relatively longer and narrower, characters which, although quite apparent to the eye, do not stand out so clearly when expressed in words. It is not at all like the much smaller *P. azoreum* Thomas, with its somewhat inflated cranium and depressed nasal region.

The *dimensions* in millimetres of a female (in spirit) are as follows: -

Head and body 55; ear 12; tragus 4; greatest expanse of wing 240; thumb and claw 6; longest digit 74; basal joint of fifth digit 32; basal joint of second digit 40; forearm 43; tibia 16; hind foot (without claws) 7.5.

Skull (of the type): greatest length 15; basipalatal length 11.5 ; zygomatic breadth 9.5; posterior breadth 9; breadth between orbits 8, at constriction 4.5 ; length of palate 6.5; breadth between outer borders of m^2 6.75 ; length from anterior border of canine to posterior border of m^3 5.25.

Hab. Madeira.

This species is evidently the representative of *P. Leisleri* in Madeira, and it is remarkable how different it is from its neighbour *P. azoreum* of the Azores. It is described from specimens in the R. F. Tomes collection procured by Mason. According to the custom of his day, Tomes identified his specimens with *P. Leisleri* from which species, however, it is clearly differentiated by its characteristic skull.

The*type* is no. 1 of the Tomes collection in the British Museum (a female).

R[hinopoma] cystops macinnesi Hayman, 1937

p. 530

A dwarfed form of the well-known species of Egypt and the Sudan, having a shorter forearm and a much lighter and smaller skull.

Type. - Brit. Mus. no. 36.11.4.45. Adult male in alcohol, collected on Bat Island, near Central Island, Lake Rudolf, April 24th, 1934. Another male and a female examined taken at the same time and place.

Description of Type. - Externally similar to true *cystops*, but having a forearm measurement of only 46 mm. (47 mm. in the other two specimens). In adult *cystops* the forearm averages 52, sometimes reaching 55. The colour of the fur is similar to that of the typical form, a pale plumbeous-fawn, paler at the base.

The skull is notably smaller and weaker than that of *cystops*; the sagittal crest is very weak, being barely indicated, while in *cystops* it is strongly developed in both sexes. The rostrum is narrower, the bullæ smaller, and the reduction in the size of the teeth is illustrated by the breadth of m^2 in *macinnesi* being 1.8, while in the type and another specimen of adult *cystops* the figures are 2.2 and 2.3 respectively. Compared with the skulls of
Rhinopoma pusillum Thos., from Persia, and *muscatellum* Thos., from Muscat, two species of approximately similar external dimensions, the skull of this new form is quite distinct, being smaller and narrower, with smaller teeth. In the following table the measurements of three specimens of *macinnesi* are compared with those of the types of *cystops, pusillum*, and *muscatellum*: -

p. 531

[table removed - eds.]

This discovery extends the known range of the genus into Uganda, and I have pleasure in associating with it the name of Mr. D.G. MacInnes, to whom much of the success of the mammal-collecting was due.

Rhinolophus abæ J.A. Allen, 1917

p. 428

Type, No. 49113, F ad. (skin and skull), Aba, Uele district, Belgian Congo, Dec. 15, 1911; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig, No. 1756.

General coloration drab-brown, a little darker above than below, the middle of the back slightly darker (blackish brown) than the rest of the upperparts, sides of the shoulders a little lighter. Fur almost uniformly colored from base to tip, the median zone being only slightly lighter than the base and tips.

Ears long and pointed, the anterior border slightly convex (increasingly so apically), the posterior nearly straight (slightly concave toward the apex), the antitragus large and high (vertical depth anteriorly 5-6 mm.). Breadth of horseshoe in skins (when not unduly shrunken), 8.5-9.5 mm. Nose-leaf broad at base (about 6.5 mm.), acutely pointed, and about 6 mm. in length. Sella about 3 mm. broad at base and 4 in height (as nearly as can be judged in softened skins), slightly concave on anterior face, with a posterior extension of about 3 mm., highest in front with a slight median axial depression.

Type, collectors' measurements: Total length, 85; head and body, 63; tail, 24; foot, 12; ear, 24. Forearm (from skin), 52.3; tibia, 20; foot, 11.

Skull (type), total length, 22.9; zygomatic breadth, 11.9; breadth at canines, 5.8; maxillary breadth, 8.1; upper toothrow (front of c-m^3), 7.8; lower jaw (incisors to condyle), 15.1; lower toothrow (c-m_3), 8.8.

Represented by ten specimens, skins and skulls (2 males, 8 females) all collected at Aba, December 15-17, 1911. Collectors' measurements (1 male, 7 females, all adult):

p. 429

Total length: 85 (80 - 89); Head and body: 61 (57 - 64); Tail: 24 (22 - 27); Foot: 12 (11 - 13); Ear: 22.9 (22 - 24)

Forearm, same specimens, 53 (50-54). Skull (6 specimens), total length, 23 (21.9-23.6); zygomatic breadth, 11.7 (11.3-12.2); breadth at base of canines (9 specimens), 5.9 (5.6-0.2); maxillar breadth (across front corner of m^3), 8.3 (7.8-8.6).

P^2 is present on both sides in 3 skulls, on one side in 2 skulls, and absent on both sides in 4 skulls.

The series is very uniform in coloration; an immature male differs from the others in being lighter and grayer, and is somewhat smaller.

This form, appears to be a northern representative of the *Rhinolophus auger* group, of which several forms have been described from the Zambesi region and southward by K. Andersen.

Rhinolophus acrotis Heuglin, 1861

p. 10

Rh. medius, digitis valde elongatis, alis ad apicem caudae usque porrectis; auriculis mediis, acutis, margine externo S-forme, lobulo lato accessario obtuse marginato instructis: - ferro equino duplice margine superioris libero, medio antico-inciso, margine (ferri equini) inferioris labiis connato; glandulis violaceis circumdato; latere sellae anteriore medium versus angustato, basi concava, plicis duabus ad nares usque ductis; apice vix rectangulare; prosthemate latiore, lanceolato, acuminato, parte anteriore plicis duabus transversalibus erectis ornato; phalangis exterioribus quarti et quinti digiti apice paullo bifurcatis, digito secundo phalangis duabus, tertio, quarto et quinto phalangis tribus instructis. Vollere pallide murino, subtus pallidiore. Long. a naso ad basin caudae 2" - extensio alarum 13" - caud. 1" 3"' - auriculis $9^1/_4$"' - antibrach. 1" 9"'.

Gleicht in Rücksicht auf Construction des Nasenbesatzes, Form der Ohren

p. 11

u. s. w. sehr der *Rh. minimus*, Heugl., ist aber viel grösser, die Ohren verhältnissmässig kleiner und spitziger, Nasenblatt doppelt, jedoch nur der Rand des oberen frei, die *Sella* mit breiter Vorderhand, die Endglieder des vierten und fünften Fingers an der Spitze gegabelt. Zeigfinger zweigliederig. Im Ohr 6 deutlichere und 1 - 2 minder hervortretende Querfalten. Zahnsystem - so weit dies ohne Dissection beobachtet werden kann - regelmässig; untere Schneidezähne je 2 auf jeder Kieferseite, nicht sehr klein, am schaufelförmigen Rande der Schneide dreizackig.

Nasenblalt, wie gesagt, doppelt, das untere mit einer regelmässigen Reihe von violetten Drüsen umgeben. Der Körper der Sella seitlich zusammengedrückt, die höchste Spitze ziemlich erhaben über die Spitze der vorderen Wand. *Prosthema* kurz, lanzettförmig mit 2 nach vorne aufgeschlagenen Querfalten, an der Basis jederseits mittelst eines kleinen Läppchens mit dem Hufeisen verbunden. Im Gaumen drei grosse und dahinter drei schmälere Querfalten, welch letztere ihrer Länge nach nochmals getheilt sind. Flughaut und Finger sehr lang, das erste Daumenglied beiderseits vom *Patagium* eingeschlossen; ebenso der Schwanz, in dessen Spitze das *Patagium interfemorale* spitz verläuft. Das letztere, sowie die Partie zwischen Armen und Füssen innen fein behaart.

Die Farbe des Pelzes hell-mausgrau, Unterseite noch etwas lichter als der Rücken, Flughäute, Ohren und Nasenbesatz fleischfarb-grau. Nägel hellfleischfarb mit weisslicher Spitze und rostbraunem Fleck in der Mitte. Zehenrücken mit weisslichen feinen borstenartigen Haaren besetzt.

Rhinolophus acrotis brachygnatus K. Andersen, 1905

p. 73

Diagnosis. - Like *Rh. acrotis Andersoni*, but upper and lower tooth-rows, as well as mandible, distinctly shorter.

Skull and dentition (two skulls examined). - Although being apparently, on an average, larger than *Rh. a. Andersoni*, the present form has a smaller skull, smaller teeth, shorter tooth-rows and mandible (conf. measurements).

Colour. - The general colour of the single skin at my disposal (F imm.) is much darker than in the type of *Rh. a. Andersoni* (M imm.): greyish "drab" on the upperside, tinged with "mouse-grey" on the hinder back; "ecru-drab" on the underside; base of hairs on the back of the same colour as the underside.

Type. - M ad. (in alcohol). Ghizeh, Lower Egypt, Dec. 16th, 1891; collected and presented by Dr. J. Anderson. B. M. no. 92.9.9.7. There is a second specimen (F imm., skin) in the Museum from the same locality.

Distribution. - Known only from Ghizeh.

Remarks. - The absence, even in immature individuals, of the lower p_3 and upper p^2 distinguishes this form sufficiently from the only species with which it could possibly be confounded, viz. *Rh. euryale* and *Rh. clivosus*. Up to the present time three forms of *Rh. acrotis* have been described: *Rh. acrotis* (typicus) from Keren, Erytrea; *Rh. a. Andersoni* from the Eastern Egyptian Desert, about 22° N., 35° E.; and *Rh. a. brachygnathus* from the environs of Cairo.

Measurements of *Rh. acrotis brachygnathus* and *Andersoni*.

[table removed - eds.]

Rhinolophus acrotis schwarzi Heim de Balsac, 1934

p. 483

Un spécimen F de Tamanrasset, n° 114, 5-11-27.

L'histoire de ce spécimen est singulière: il a été déjà mentionné par MONOD sous le nom erroné de *Rhinolophus fumigatus* RÜPPEL (= *Rh. antinorii* DOBSON). La fausse détermination n'est pas imputable à MONOD, mais bien à l'illustre O. THOMAS, à qui le spécimen avait été soumis. L'erreur est explicable par le fait que O. THOMAS avait négligé d'examiner le crâne et n'avait pas dépouillé l'animal. Toutefois, la petite taille du spécimen a elle seule aurait pu le frapper.

Rh. acrotis était connu jusqu'ici de l'Erythrée et de l'Égypte (remonte jusqu'au Caire). Sa présence à Tamanrasset ainsi qu'à Djanet d'où nous avons reçu trois autres spécimens grâce à l'obligeance du Dr FOLEY montre que ce Chiroptère est bien établi dans les massifs centraux du Sahara et qu'il ne s'agit pas d'individus erratiques ou migrateurs. Son aire de répartition se trouve ainsi étendue considérablement vers l'Ouest (d'une distance de l'ordre d'au moins 2.500 kilomètres). Le fait a une importance biogéographique certaine et il se reproduit d'ailleurs pour d'autres Mammifères sahariens.

Au surplus les spécimens des massifs centraux constituent une race géographique particulière qui mérite d'être nommée.

La race nominale, *Rh. acrotis acrotis* V. HEUGLIN, a été décrite de l'Erythrée (Keren). Postérieurement THOMAS décrivit une race

p. 484

plus petite, *Rh. acrotis andersoni*, d'après un spécimen immature, provenant de l'Est de l'Égypte (22° N - 35° E). Cette race ne fut pas admise par ANDERSEN, l'infériorité de taille d'un spécimen immature ne pouvant être prise en considération. Ultérieurement le même ANDERSEN décrivit une race de petite taille, *Rh. acrotis brachygnathus* en provenance de la Basse-Égypte (Caire, Giseh). Mais nos spécimens du centre du Sahara sont encore plus petit que *brachygnathus*. E. SCHWARZ a bien voulu comparer le crâne de Tamanrasset à ceux d'*acrotis* (= *andersoni*) et de *brachygnathus* du Br. Muséum. Il nous a confirmé par écrit que ce spécimen était de façon marquée, plus petit que les animaux du Musée britannique, et qu'il méritait d'être décrit. D'autant plus qu'il s'agit ici d'une forme géographiquement très éloignée des autres, probablement isolée dans les massifs sahariens centraux, et en tout cas représentant un extrême.

Nous proposons de la dédier au Dr E. SCHWARZ sous le nom: *Rhinolophus acrotis schwarzi* nov. subsp.

Type: F adulte en alcool, Djanet, Tassili des Azdjers (nous préférons ne pas prendre pour type le spécimen de Tamanrasset dont les avant-bras sont brisés et qui ne peuvent être exactement mesurés).

Diagnose: Forme plus petite que *Rhinolophus acrotis brachygnathus* (avant-bras 45-46 mm., long, condylo-incisive 17 mm;), de teinte gris cendré clair (4 spécimens examinés).

[table removed - eds.]

Rhinolophus adami Aellen and Brosset, 1968

p. 443

TYPE. - F adulte, en alcool. Grotte de Kimanika, Kouilou, République du Congo, 9.1.1967; coll. J.-P. Adam, no orig. 12/8G. Muséum de Paris 1968-408.

PARATYPES. - M adulte. Grotte de Meya-Nzouari, Kouilou, République du Congo, 26.7.1963; coll. J.-P. Adam, Muséum de Genève 1129.84.

2 FF subadultes. Mêmes lieu, date et collecteur que le type, no orig. 3/8G et 8/8G. Muséum de Paris 1968-409 et 1968-410.

DIAGNOSE. - *Rhinolophus* de taille moyenne (avant-bras 47 à 49 mm; long crâne 20,3 à 20,6 mm). Feuille nasale grande (long. 15 à 16 mm, larg. 8,5 à 9 mm) à connectif arrondi dépassant quelque peu le sommet de la selle; lancette non acuminée, à bords droits ou un peu convexes; selle à dossier (procès vertical) large et à bords concaves. Troisième métacarpe non réduit, supérieur à 90 % du cinquième métacarpe. P^2 dans la rangée dentaire, séparant nettement C de P^4. P_3 implanté au bord externe, mais bien développé et séparant P_2 de P_4. Crâne étroit: largeur zygomatique (qui est inférieure à la largeur mastoïde) mesurant moins de la moitié de la longueur totale (au bord antérieur de C). Pont palatal long; son bord médian antérieur arrive au niveau du bord antérieur de M^1.

DESCRIPTION. - Les dimensions externes (sauf la feuille nasale) entrent pour la plupart dans les limites de variation de *R. capensis*. Les oreilles sont très grandes, elles mesurent plus de la moitié de la longueur de l'avant-bras. Le bord interne est assez régulièrement convexe de la base au sommet; celui-ci est bien marqué et forme un angle droit, ou même un peu aigu, toutefois fortement arrondi à la pointe; le bord externe est nettement concave vers le sommet, puis très légèrement convexe jusqu'à l'antitragus. Celui-ci est régulièrement convexe et séparé du pavillon par une encoche à angle très obtus; il mesure environ 13 mm de l'insertion de base à l'encoche.

La feuille nasale est très caractéristique de cette espèce; elle est grande, surtout longue. Le fer à cheval recouvre presque tout le museau et présente une large échancrure au milieu de son bord antérieur. La selle est très large (3.2 mm) et son procès vertical (dossier) est environ aussi large que haut; ce procès est un peu plus large à la base qu'au sommet et ses bords latéraux sont légèrement concaves; il en résulte un étranglement au milieu de la hauteur (voir tableau de mensurations). Le connectif a une pointe régulièrement arrondie qui dépasse quelque peu le sommet du dossier de la selle. La lancette, triangulaire, possède des bords latéraux légèrement convexes et une pointe peu aiguë, donc absolument pas acuminée comme c'est le cas chez les espèces comparables, *simulator, bembanicus* et *capensis*.

La lèvre inférieure présente trois sillons délimitant deux lobes bien développés, comme chez *simulator* et *capensis*.

p. 444

Le patagium s'insère à la partie distale du tibia ou à la cheville.

Le troisième métacarpe n'est pas réduit; il mesure toujours plus des 90 % du cinquième. La queue est plus longue que la moitié de l'avant-bras.

La coloration de cette nouvelle espèce ne présente rien de particulier. Le type (F) est brun assez clair sur le dos; la face ventrale est gris-brunâtre. Les paratypes sont plus foncés dessus, mais le ventre est aussi gris-brunâtre; l'un (8/8G) est même blanchâtre au bas-ventre. La feuille nasale est très claire, couleur chair. Les oreilles sont brunes, un peu plus foncées au sommet. Le patagium est brun foncé.

Le crâne présente des proportions semblables à celles de *simulator-bembanicus*. Il est très étroit: sa plus grande largeur n'atteint pas la moitié de la longueur totale (mesurée au bord antérieur de C). Le renflement nasal est fortement marqué; le profil général du crâne rappelle beaucoup celui de *bembanicus* figuré par SENNA (1914, p. 2). La largeur zygomatique est égale ou inférieure à la largeur mastoïde. Le rapport largeur zygomatique sur longueur C-M^3 est nettement inférieur (1.26) à celui mesuré sur *capensis* (1.38 à 1.41), et *simulator-bembanicus*

p. 445

[table removed - eds.]

p. 446

(1.30 à 1.40); ce rapport illustre particulièrement bien cette étroitesse du crâne, le pont palatal, mesuré au milieu, est remarquablement long et comparable à celui de *simulator-bembanicus*: il constitue les 38 à 39.5 % de la longueur C-M^3, alors que chez *capensis* il ne représente que les 34 à 3 5% (*simulator*: 38.5 %; *bembanicus* 42.5 %). Le milieu du bord antérieur du pont palatal arrive au niveau du bord antérieur de M^1; le point médian du bord postérieur se situe entre M^2 et M^3. Un long pont palatal est un caractère archaïque chez les *Rhinolophus*. Dans notre nouvelle espèce, cette ancienneté se manifeste aussi dans la denture.

Au maxillaire supérieur, P^2 est situé dans la rangée dentaire et sépare nettement C de P^4; les pointes de C et P^4 sont séparées de 2 mm. La hauteur de P^2 atteint ou dépasse légèrement le cingulum de C.

Au maxillaire inférieur, P_3 est inséré sur le bord externe de la rangée dentaire et sépare P_2 de P_4. P_2 est remarquablement petit; cette dent n'atteint pas la moitié de la hauteur de P_4 et rappelle, par ce caractère, *R. alticolus*.

REMARQUES. - Il est curieux de constater la découverte dans une région géographique restreinte - l'ancienne AEF - de deux espèces nouvelles de *Rhinolophus* en l'espace d'une dizaine d'années. *R. silvestris*, décrit en 1959, est une espèce bien individualisée ayant son plus proche parent dans une espèce orientale, *deckeni*. La nouvelle espèce *R. adami* est proche, elle, de deux formes d'Afrique du Sud-Est, deux formes que plusieurs auteurs pensent devoir être synonymes: *simulator* et *bembanicus*. *R. bembanicus* n'est connu que par le type, provenant de Zambie. *R. simulator* a été signalé en Tanzanie, au Malawi, en Zambie, au Katanga (?), en Rhodésie, au Mozambique, au Botswana et en République d'Afrique du Sud (Transvaal et Natal).

Afin de pouvoir comparer facilement notre nouvelle espèce à ses plus proches parents, nous avons divisé les espèces africaines du groupe ferrumequinum en deux sous-groupes ainsi définis:

Groupe *ferrumequinum*: connectif à sommet arrondi et bas, ne dépassant pas ou seulement de peu le procès vertical de la selle. Largeur du fer à cheval inférieure à 9 mm (atteignant exceptionnellement 9 mm).

Sous-groupe *ferrumequinum*: P^2 externe ou absent. C et P^4 en contact ou presque: espèces: *ferrumequinum, augur, darlingi, clivosus*.

Sous-groupe *capensis*: P^2 dans la rangée dentaire, séparant nettement C de P^4: espèces: *capensis, alticolus, denti, swinnyi, simulator, bembanicus, adami*.

Rhinolophus aethiops diversus Sanborn, 1939

p. 42

Type from Bakel, Senegal, French West Africa. No. 19.7.7.2774 British Museum (Natural History). Adult female in alcohol. Collected September 27, 1887. From the Lataste collection.

Characters. - Averages smaller than either *a. aethiops* or *a. eloquens*, with a narrower horseshoe and sella and a shorter lancet. The type, when dried, is darker than *aethiops*, being in general a faded brown. The hairs above are of uniform color to the base; below they are slightly darker at the base. The type, however, has been in alcohol for many years and the only skin is more than one hundred years old.

The type skull is like that of *aethiops* but much smaller. Upper premolar two is present on one side only and is so minute that it is hard to see even with a lens. Lower premolar three is present on both sides and is also very minute.

Measurements. - Type (maximum and minimum of topotypes in parentheses): Forearm 53.2 (52.8 - 55.6); third finger, metacarpal 40.6 (39 - 40.7), first phalanx 16 (16 - 17.7), second phalanx 30.3 (30 - 31.5); fourth finger, metacarpal 41.9 (41 - 42.7), first phalanx 9.6 (9.8 - 10.3), second phalanx 18.7 (17.9 - 18.7); first finger, metacarpal 41.9 (42 - 44), first phalanx 12.6 (12.5 - 13.2), second phalanx 13.9 (14.1 - 14.6). Ear 27 (27 - 28); tail 28.6 (28.8 - 32.7); tibia 22.6 (22.8 - 23.5). Skull of type: greatest length 23.1; condyle-basal

p. 43

length 19.6; palatal length 2.9; width across nasal swellings 6.1; interorbital width 2.6; zygomatic width 11.9; mastoid width 10.5; width of braincase 9.5; upper toothrow 8.8; width across canines 6.6; maxillary width 8.7; supraorbital length 6.4.

Specimens examined. - Total 7. Bakel, Senegal, 2 males (alc.), 2 females (alc.); "River Gambia," 1, no sex. Nerokoro, near Tambikunda, Sierra Leone, 1 male (alc.), 1 female (alc.). All in British Museum.

Remarks. - All the forms of *R. aethiops* are very much alike except *a. hildebrandti*, which is the largest. *R. diversus* does not agree very well either with typical *aethiops* from Angola or with *a. eloquens* from the Sudan, being smaller and darker. The two specimens from Sierra Leone are not included in the measurements as they are both subadult and are only referred to *R. diversus*.

Rhinolophus alcyone Temminck, 1853

p. 80

RHINOLOPHUS ALCYONE.
RHINOLOPHE ALCYONE.

C'est la seule espèce de cette section qui ne soit parvenue de la partie littorale de l'Afrique, dont nous nous occupons. Elle est munie d'une folicule en fer-de-lance, large à sa base, mais peu haute et munie de deux rangées de petites caritées: un socle repose sur le bourrelet et est entouré du large fer-à-cheval bordé d'un petit plis du derme. Les oreilles sont grandes et hautes, terminées par un oreillon mobile.

Nous n'avons pu observer qu'une femelle; il est dès-lors incertain s'il faut attribuer l'existence d'un syphon, dans le mâle.

Le pelage de la femelle est pour toutes les parties su-

p. 81

périeures; d'un rouge-vif couleur de briques cuites; en dessous d'une teinte plus claire, couleur de rouille. Les oreilles n'ont que la base poilue; leur pointe est recourbée en déhors; celles-ci; de même que toutes les autres parties du derme sont noires.

Longueur jusqu'au bout de la queue 3 pouces; la queue seule 9 lignes; envergure 11 pouces; antibrachium 1 pouce 9 lignes.

Patrie. La rivière Boutry à la Guiné.

Rhinolophus alcyone alticolus Sanborn, 1936

p. 108

Type from cave at 5,800 feet on Mount Cameroon, Cameroon Mandate. No. 42596 Field Museum of Natural History. Adult female. Collected July 2, 1934, by R. and L. Boulton.

Diagnosis. - A member of the *landeri* group with reduced second phalanx of fourth finger. Like *alcyone* but much smaller. With the exception of the ears, which are larger, about the size of *lobatus*. Skull with characters of *alcyone*; size of *lobatus*, but narrower.

Color. - General color of upper parts dark brown, between Raw Umber and Mummy Brown (Ridgway, 1912). Base of hairs much lighter. Below brownish gray.

Skull. - As in *alcyone* in that p_3 is partly in tooth-row and separates p_2 and p_4, but much smaller. Length as in *lobatus*, but with shorter tooth-rows and narrower throughout.

Measurements. - Type and three topotypes: forearm 46.2 (46.2 - 47.1); third digit metacarpal 31.8, first phalanx 14.3, second phalanx 25.5; fourth digit metacarpal 34.6, first phalanx 7.7, second phalanx 15.7; fifth finger metacarpal 35, first phalanx 10.1, second phalanx 17.7. Ear, from meatus 22, from crown (dry) 15, width (dry) 14.1. Tibia 17.3; foot 9; calcar 11.9. Skull: total length 19.2 (19.2 - 19.6); total length to canine 18.5 (18.4 - 18.9); basilar length to canine 14.9 (14.7 - 15); interorbital width 2.4 (2.4 - 2.5); zygomatic width 9 (9 - 9.1); mastoid width 9.1 (9 - 9.1); width of brain case 8 (7.9 - 8); width across canines 4.4 (4.3 - 4.5); width across m^3-m^3, 6.4 (6.3 - 6.4); width of nasal swelling 4.8 (4.8 - 4.9); upper tooth-row c-m^3, 6.6 (6.6 - 6.7); lower tooth-row c-m_3, 6.9 (6.7 - 6.9); mandible 11.9 (11.8 - 12.1).

Specimens examined. - Type and three topotypes.

Rernarks. - This race appears to be a highland form most closely related to *alcyone* and a western representative of *lobatus* from East Africa. Thomas (Ann. Mag. Nat. Hist., (8), 7, p. 458, 1911) listed a *Rhinolophus* from Panyon (4,000 feet), Nigeria, as "near *R. alcyone*" which may be the same. Andersen (Ann. Mus. Civ. Stor. Nat., Genova, (3), 2, p. 190, 1905-06) has published an excellent series of measurements of this group.

Rhinolophus Andersoni Thomas, 1904

p. 156

Rhinolophus Antinorii, Anderson and de Winton, Mamm. Egypt, p. 96, pl. xvi. fig, 2 (1902) (nec Dobs.).

Allied to *R. clivosus*, Rüpp., but with no small anterior premolars and different colour.

General characters as in *R. clivosus*, the nose-leaf and ears being apparently very much as in that species; perhaps the front face of the median vertical process is slightly more narrowed upwards, but the difference is very slight; horseshoe small, not covering the muzzle laterally. Wings from the ankles.

Colour drab-grey, the hairs above slightly darkened terminally, those of the belly drab-grey throughout. In *R. clivosus* the belly is white. Membranes transparent greyish, rather darker along the centres of the digital interspaces.

Skull with a broader heavier muzzle and nasal region than in *R. Dobsoni* (the bat considered by Dobson as *R. clivosus*) or than in *R. euryale*.

Small premolars, both upper and lower; absent in every specimen, the large upper premolar pressed close against, even overlapping, the canine. In *R. clivosus* the small premolars are present both above and below.

p. 157

Dimensions of the type (measured in the flesh): -

Forearm 46 mm.

Head and body 53; tail 28; ear 22.

Skull: front of canine to occiput 19; length in middle line 16; front of bony palate to basion 12.5; breadth of palate across m^2 7.5; tip of upper canine to tip of large premolar 1.6; front of lower canine to back of m_3 8.3.

Type. Male. Original number 26. Captured 3rd August, 1903. Four specimens.

"Arabic name 'Wat-wat'; Bisharin name 'Humush-Kilite.'" - *A. M. M.*

In the British Museum collection there is already a spirit-specimen of this bat, obtained by Dr. J. Anderson at Gizeh. This is the *R. Antinorii* of that naturalist's 'Mammals of Egypt,' a note being appended by Mr. de Winton drawing attention to its possible identity with *R. clivosus*. It is certainly not *R. Antinorii*, which is larger in all ways and has especially a much larger nose-leaf, the horseshoe of which nearly covers the muzzle.

With *R. clivosus* it has no doubt a nearer affinity, but seems to differ sufficiently by its different colour and the constant absence of the minute premolars to be recognized as a distinct species. I have also ventured to distinguish the Kordofan bat described by Dobson under the name of *R. clivosus*, as it has the small premolars quite separating the canines from the large premolars.

Whether the queer greenish colour of the two specimens of *R. Dobsoni* ("sulphur-brown above, beneath canary-colour," Dobson) is natural or the result of defective preservation can only be determined when further examples are obtained.

Rhinolophus augur K. Andersen, 1904

p. 380

Short diagnosis. - Apparently allied to *Rh. ferrum-equinum*, but readily distinguished by its much smaller ears and shorter tail. Forearm 54-57 mm.

Nose-leaves. - Horseshoe not covering muzzle laterally. Sella pandurate, as in *Rh. ferrum-equinum*, but decidedly narrower. Posterior connecting-process triangular, obtusely pointed, its upper margin straight, shorter than the vertical height of sella. Lateral margins of lancet deeply emarginate.

Ears. - Not reaching tip of the muzzle, when laid forward. Tip attenuated and acutely pointed. Outer margin strongly concave below the tip of the ear. Greatest width of ear equal to its length from notch on outer margin to tip.

Wings. - General characters as in *Rh. ferrum-equinum*, but forearm on the average shorter, its maximum length (57.2 mm. in a series of 15 specimens) being almost exactly like mean measurements in *Rh. ferrum-equinum* (57 mm., 31 specimens from Europe). 5th metacurpal slightly longer than 4th. 2nd joint of 3rd finger almost twice the length of 2nd joint of 5th finger. In the folded wing, tip of 1st joint of 3rd and 5th fingers opposite posterior point of elbow. Plagiopatagium inserted at the tarsal joint.

p. 381

Tail. - Much shorter than in *Rh. ferrum-equinum*, its length (31.3 mm, on average) being almost exactly the same as the 2nd joint of 3rd finger (30.7 mm.) ; in *Rh. ferrum-equinum* much longer (36.7 against 29.5 mm.). Hinder border of interfemoral, between tip of calcars, slightly triangular.

Colour (16 skins). - General colour above "drab," with a tinge of fawn. Individual hairs "ecru-drab" at base, drab at tip. On the middle of the back an ill-defined (in some individuals scarcely perceptible) horseshoe-shaped patch, approaching "wood-brown"; branches of this patch on the shoulder-region, convexity backwards. Length of hairs on middle of back about 7.5 mm. Underside bright ecru-drab, more or less tinged with vinaceous buff on the breast and sides of the body. Ears (dried) transparent brown, membranes dark brown. Adult individuals vary but very slightly in colour, some being more greyish, others more fawn in hue. Young specimens (5 skins) are much duller coloured; fur above greyish brown; horseshoe-patch on back indicated, but rather indistinct; below bright grey, with a slight rosy tinge.

Dentition. - Essentially as in *Rh. ferrum-eguinum*. Upper *c* and p^4 closely approximated, their cingula actually touching each other or separated only by an almost hair-fine interspace. Upper p^2 minute, blunt, placed in the outer angle formed by *c* and p^4, hardly rising to the level of the cingulum of the canine; this small tooth is present in all of the fourteen skulls examined, but will no doubt be found wanting in very old individuals with much-worn teeth (cf. *Rh. augur zambesiensis*). Upper p^4 as high as two thirds of the canine. Lower p_2 one third of p_4. Lower p_3, when present, extremely small, placed on the external side of the tooth-row, blunt, as high as the cingulum of p_4; in nine out of fourteen skulls examined this tooth is wanting, and every trace of the alveole has disappeared; in a tenth specimen (adult) the tooth is wanting on both sides, but the left alveolus is still to be traced: in the remaining four skulls p_3 is present on both sides; three of these latter are skulls of young bats, the fourth of an apparently adult individual, though still with almost unworn teeth. As proved by these facts, the presence or absence of p_3 in this species varies individually, without any bearing on differences in geographical distribution: of six specimens from the same cave, taken by the same collector and in the same season of the year, two have lost both the tooth and every trace of the alveolus, while in four specimens it is present on both sides; evidently it is most often to be found

p. 382

in *young* individuals, more rarely in full-grown, perhaps never in very old. Lower p_4 a little higher than antero-exterior cusp of m_1.

Measurements. - Below under *Rh. augur zambesiensis*.

Type. - M ad. (skin). Kuruman, Bechuanaland, 4000 feet, collected by Mr. R. B. Woosnam, April 19th, 1904. B.M. no. 4.10.1.1. Original no. 26. "Caught in an old mine; of fifteen taken there was only one female."

Distribution. - Specimens have been examined from the following localities: - Zuurbron, Wakkerstrom, S. Transvaal (1 specimen in alcohol); De Kaap, S. Transvaal (2, alcohol); near Krügersdorp, S. Transvaal, 4900 feet (6 skins); "Transvaal" (1, alcohol); Vredefort Road, N. Orange River Colony (1, alcohol; 2 skins); Kuruman, Bechuanaland, 4000 feet (8 skins). It will probably be found generally distributed over the whole of that part of South Africa which is irrigated by the Orange River and its confluents ("Orange River Area," in the zoogeographical sense of that term).

Remarks. - The present species has been confused with *Rh. ferrum-equinum* and *Rh. capensis* to such extent that it will be difficult to disentangle its synonymy without examination of the specimens recorded in literature. *Rh. capensis* differs mainly in the following points: - It is much smaller: forearm 49.5 mm. (average of eleven specimens), against 56 in *Rh. augur*; the ears much longer (20.5 mm. from base of inner border) and broader (16.7 mm.); tip of the ear obtusely pointed; sella only very slightly narrowed in the middle, its lateral margins subparallel in their upper half; posterior connecting-process shorter, its upper margin concave; all metacarpals and finger-joints much shorter, therefore the wing very much narrower in antero-posterior direction; even a badly prepared skin of *Rh. capensis*, in which the shape of the ears and nose-leaves is unrecognizable and the length of the tail not to be relied upon, can always be at once distinguished from *Rh. augur* by taking the measurement of the 2nd joint of the 3rd finger (22-26 mm., against 28.7-32 in *Rh. augur*); the tail remarkably short (20.8 mm.), only about the same length as the tibia, far shorter than the 2nd joint of 3rd finger, &c. The skull of *Rh. capensis* is slightly smaller; the nasals more swollen; the auditory bullae larger; the basioccipital therefore still narrower; the tympanic ring larger. As far as the available material goes, *Rh. capensis* seems to be restricted to the *western part of the Cape Colony*, as far north as the mountains on which the coast-rivers spring, eastwards to Winter-Bergen.

p. 383

Rh. augur bears, in fact, much more resemblance to *Rh. ferrum-equinum*. The differences between the two species have already been pointed out above. Whether, however, this resemblance is indicative of true relationship, or rather of convergence owing to similar habits and similar effects of natural surroundings, is open to question. It is in this connexion worth while mentioning that no doubt all the previous records of the occurrence of *Rh. ferrum-equinum* in Africa south of the Mediterranean subregion rest on confusion with other species; that, consequently, the two species, at the present time at least, are separated from each other by almost the whole of the tropical region of Africa.

Rhinolophus augur zambesiensis K. Andersen, 1904

p. 383

Short diagnosis. - Very dark-coloured. In size somewhat intermediate between *Rh. augur* and *Rh. a. zuluensis*. Forearm 53.3-54.8 mm.

p. 384

Colour (1 skin). - In the two forms just described the more or less distinct dark zone on the back takes the form of a horseshoe-patch. In the present race this patch extends over the whole of the back, giving the upperside of the animal an almost uniform brown colour, approaching "mummy-brown." Underside light "drab," somewhat darker in shade than in *Rh. a. zuluensis*. Ears and membranes (dried) black; in spirit-specimens the ears are "raw umber," the wings blackish brown.

Dentition. - The only skull examined is of a very old individual with much-worn teeth; both upper p^2 and lower p_3 are wanting, and no trace of their alveoli is to be seen. In younger individuals the dentition will no doubt be found to agree with that of the other races.

Type. - M ad. (skin). Fort Hill, N. Nyasa, about 9° 40' S., 33° 20' E., collected by Mr. A. Whyte, July 1896, presented by Sir Harry Johnston. B.M. no. 97.10.1.18. Original no. 136.

Distribution. - Specimens examined: - Mazoe, Mashonaland, 17° 30' S., 23° 30' E. (3, in alcohol); Zomba, Nyasa, 15° 30' S., 35° 30' E. (1, alcohol); and the type. - From these localities it may be supposed that the present form is generally distributed over the whole of the area which is irrigated by the Zambesi and its confluents.

Remarks. - As will be seen from the above, the three forms of *Rh. augur* just described are characteristic of three distinct zoogeographical districts of S. Africa: - *Rh. augur* of the Orange River District (in wider sense); *Rh. a. zuluensis* and *zambesiensis* of the areas from which I have derived their names*.

Rhinolophus augur zuluensis K. Andersen, 1904

p. 383

Short diagnosis. - A small and darker-coloured race of *Rh. augur*. Forearm 51.2-54.5 mm.

Colour (8 skins). - Fur above approaching "wood-brown." Horseshoe-patch on back nearest to "russet." Beneath light "drab," tinged with pinkish buff on the sides of the body.

Measurements. - See table under *Rh. augur zambesiensis*.

Type. - F ad. (skin). Jususic Valley, 20 miles N.W. of Eshowe, Zululand, 1000 feet, collected by Mr. C. H. B. Grant, Nov. 17th, 1903, presented by 0. D. Rudd, Esq. B.M. no. 4.5.1.8. Original no. 602. "Caught in old gold-driving."

Distribution. - Specimens examined: - King William's Town (1, in alcohol); Port Natal (1, alcohol); typical locality (8 skins). This race will probably be found generally distributed over the whole of the Natalese Province, southwards to Winter-Bergen, northwards to about the latitude of Delagoa Bay, westwards to the mountain-range in which the coast-rivers rise.

Remarks. - The obvious difference in size and colour, combined with the distinct geographical distribution, entitle this form to subspecific rank. It cannot be confounded with young individuals of the typical form: young *Rh. augur* are greyish brown above, bright grey with a slight rosy tinge beneath; *Rh. a. zuluensis*, owing to a stronger development of the darker-coloured tips of the hairs, next to wood-brown above, light drab beneath.

Rhinolophus axillaris Allen, 1917

p. 429

Plate LI, Fig. 2.

Type, No. 49175, M ad. (skin and skull), Aba, Uele district, Belgian Congo, Dec. 17, 1911; Herbert Lang and James P. Chapin. American Museum Congo Expedition. Orig. No: 1807.

Apparently a member of the *R. landeri* group. Has two phases, a dark brown and a rufous phase.

Dark phase. - Type, above dark hair-brown with a faint rufescent tone in strong light, the fur dull gray-brown basally, with long hair-brown tips (in some specimens forming a dark broad V-shaped area on the lower back); below much lighter, the fur pale brownish plumbeous basally, the tips darker, giving a pale brownish wash. At the base of each arm is an axillar patch of short, stiff, dark rust-colored hairs, about 4 by 6.5 mm. in area, in strong contrast with the surrounding fur, both in color and texture. Ears and feet pale brown, membranes darker.

Total length (collectors' measurements), 77 mm.; head and body, 52; tail, 23; foot, 11; ear, 18 1.

Rufous phase. - Above rich cinnamon-brown, the fur basally pale gray, with long dark cinnamon-brown tips; below pale buffy white, with a grayish tone.

The red phase is represented by a single specimen, in which the glandular axillary area is pale yellow. The dark phase is represented by 4 specimens, in one of which an axillar glandular area is not evident, and in a second is less strongly marked than in the other two. All were taken at the same locality and practically on the same date (three on Dec. 17, the other two respectively on Dec. 13 and 15).

Collectors' measurements (3 males, 2 females): Total length, 79 (75-84); head and body, 54 (52-58); tail, 26 (23-29); foot, 11 (10-12); ear, 19 (18-22).

The skull of the type is badly crushed. The measurable skulls give the following: Total length, 3 skulls, 20 (all 20); zygomatic breadth, 2 skulls, 10.2 and 9.6; breadth at base of canines, 4 skulls, 5.4; breadth at m^3, 6.9 (6.7-7.2).

p. 430

P^2 is greatly reduced but stands in the toothrow, closely crowded between the canine and p^3.

A peculiar and strongly marked feature of this species is the axillar gland, rendered conspicuous by a short tuft of stiff rust-colored hairs.

Rhinolophus brockmani Thomas, 1910

p. 192

Rhinolophus brockmani, sp. n.

A very pale-coloured species, allied to *R. lobatus* and *dobsoni*.

General characters as in *R. dobsoni*, the nose-leaf apparently quite as in that species. Colour remarkably pale, the hairs of the upper surface white with a brown tip about a millimetre in length, and of the under surface wholly white from base to tip.

Skull as compared with that of *R. dobsoni* rather longer and narrower, with a more elongate brain-case. Opening of posterior nares rather broader.

Cheek-teeth markedly smaller, the molars (particularly m^3) narrower, and the inner lobe of m^1 and m^2 smaller, so as to have a larger space between each tooth. Small upper premolar large, in the centre of the unusually extended space between the canine and p^4, a space double as broad as in *R. dobsoni*. P^4 with its antero-external corner projecting forward in front of the anterior

edge of the narrow inner lobe, the latter being in *R. dobsoni* practically the most anterior part of the tooth, no angular external projection being present; inner lobe of the same tooth much narrower than in *R. dobsoni*.

Dimensions of the type (the starred measurements taken in the flesh): -

Forearm 44 mm.

Head and body* 45; tail* 26; ear* 18. Third finger, metacarpus 29; 1st phalanx 14, 2nd phalanx 25; lower leg and foot (c. u.) 27.

p. 193

Skull: greatest length 18; front of canine to back of m^3 6.6.

Hab. Upper Sheikh, Somaliland. Alt. 4500'.

Type. Adult female. B.M. no. 9.12.17.4. Original number 237. Collected 13th November, 1909, and presented by Dr. R. E. Drake-Brockman. Two specimens.

The most striking character of this bat is its peculiar whitish colour, other members of the group being generally some shade of grey. Unfortunately the colour of the original specimens of its nearest ally *R. dobsoni*, from Kordofan, cannot be determined, but the difference in the skulls and teeth is quite sufficient to separate the two.

A number of *R. acrotis*, Heugl., were obtained at the same time and place.

Rhinolophus caffer Sundevall, 1846

p. 118

plicis postnasalibus duabus integerrimis, rotundatis (ut in div. Rh. nobilis); fuscescens, pilis dorsi albidis, basi apiceque fuscus; gastræi griseis, basis fuscis; auriculis orbicu-

p. 119

laribus apiculo brevissimo, acuto, lateraliter, supra incisuram levem, prominulo. - Antitragus ("lobulus") auris parvus, sed altus, semicircularis, cum membrana conchæ connatus, vix ullâ incisurâ distinctus. Parvus: cubitus 48 mm. - Circa Port-Natal inventus.

Rhinolophus clivosus Cretzschmar, 1828

p. 47

Taf. 18

Rhinolophus clivosus.
(Mus. Francof.)

Diagnos. Rhinolophus apparatu olfactorio externo clivis gradatim elatis non dissimili. Fossae nasali ferro equino membranaceo circumdatae interpositus scyphus parvulus - sequitur membrana transversalis concavata, antrorsum eminens, culmine obtusa tunc membrana recta, conjungens posteriorem transversarie positam, hastatam. Corporis colore ex fusco cinerascente.

Ausmessungen
-; Fuss; Zoll; Lin.
Länge des Körpers mit dem Kopfe; -; 2; 6
Länge des Kopfes; -; -; 9
Länge des Ohren; -; -; 8
Länge des Schwanzes; -; 1; -
Breite der ausgespannten Flügel; -; 10; -

Beschreibung

Die Farbe der zarten wolligten Haare der hügeligten Hufeisennase ist ein lichtes graubraun, das auf dem Rücken dunkler, auf dem Unterleibe heller scheint. Die äusseren Riechwerkzeuge sind von sehr zusammengesetzter Art. Die hufeisenförmige wulstige Membran hat in ihrem Mittelpunkt eine Vertiefung, in welcher der Nasenknorpel sich zu einem

p. 48

kleinen Trichter gestaltet; hinter demselben erhebt sich ein quer aufgerechgestellter Knorpel, der ziemlich stark an seiner Spitze, flach zugerundet in seiner Mitte, länglich ausgehöhlt und über den Trichter etwas herübergebogen ist. Von diesem läuft eine gerade nacht hinten gerichtete dünne und gezackte Membran zu der hintersten quer stehenden lanzettförmigen, welche sie mit der vorderen verbindet. Die hinterste Membran ist dünn, schliesst sich nach vorne an die hufeisenförmige Membran an, nach hinten geht sie in die allgemeine Haut über, und is desswegen an ihrer hinteren Fläche mehr behaart, als an der vorderen. Rings

um diese Riechwerkzeuge stehen einige Borstenhaare. Von vorne gesehen nehmen sich diese sämmtlichen Membranen aus wie übereinander aufgeschichtete Hügel, von denen die hinterste die Spitze bildet. Die Ohren sind am äusseren Rand etwas ausgeschnitten, und wie die Flügel und Schwanzhäute, braun.

Vaterland. Die hügelichte Hufeisennase wurde bie Mohila gefunden.

Aufenthalt. Mauern und Felsen.

Rhinolophus clivosus hillorum Koopman, 1989

p. 4

HOLOTYPE: AMNH 257044, a female obtained by Andrew S. Voros (5924) in early October at the John Hegbe Farm near Zozoma, ca. 2 mi SW Voinjama in Lofa County, extreme northwestern Liberia at ca. 500 m elevation. This would place it at ca. 8°25'N, 9°35'W. The holotype consists of an entire

p. 5

specimen preserved in alcohol with the skull extracted and cleaned.

DIAGNOSIS: Larger than other subspecies of *R. clivosus*. Much larger than any of the northern subspecies (*bocharicus*, which many regard as a separate species, *clivosus, brachygnathus, schwarzi, acrotis*) and somewhat larger than the eastern and southern *keniensis, zuluensis*, and *augur*. Selected measurements are as follows (range of *hillorum* followed by combined range of *keniensis, zuluensis*, and *augur*): forearm length (52 - 57, 50 - 56); condylocanine length (20.5 - 21.7, 18.7 - 20.5); zygomatic breadth (12.7 - 13.3, 11.1 - 12.2); mastoid width (10.8 - 11.5, 9.7 - 11.1); width across last upper molars (9.0 - 9.4, 7.6 - 8.6); maxillary toothrow length (8.9 - 9.4, 7.6 - 8.8). The size difference is particularly evident in the breadth of the palatal area and the volume available for the temporalis musculature as shown by the width across the molars and the zygomatic breadth. Going along with this are the larger teeth of *hillorum* and the absence in all three known specimens of the anterior upper premolar. This tooth is almost always present, albeit greatly reduced in *keniensis zuluensis*, and *augur* (only 1 out of 40 skulls examined for this character). It seems evident that even if the very similar *keniensis, zuluensis*, and *augur* were combined into one subspecies, *hillorum* would still remain distinct.

ETYMOLOGY: I name this subspecies after the two (often confused) eminent mammalogists named John E. Hill: J. Eric (1907 - 1947), and J. Edwards (1928 -). I have known both of them and feel that each, in different ways, has been important in my understanding of African bats, to which both made outstanding contributions.

LOCALITY RECORDS: LIBERIA: Voinjama: AMNH 257044; Tokadeh, Nimba, 600 m: BM 79.459. CAMEROON: Lake Manenguba, Manenguba Mountains, 1800 m: ZFMK 69.485. All three specimens are preserved in alcohol with the skulls extracted and cleaned.

Rhinolophus Commersonii E. Geoffroy Saint-Hilaire, 1813

p. 263

J'ai trouvé cette espèce parmi les dessins, et manuscrits de Commerson, avec la désignation et les caractères suivans:

Chauve-souris du fort Dauphin, île de Madagascar. *Vespertilio, obscure caudatus, auribus simplicibus, amplis, acuminatis, erecties, patulis; naso duabus valvis transversis, late secedentibus hiulco.*

On ne pourroit confondre cette chauve-souris qu'avec le

p. 264

diadème: mais outre qu'elle est un peu plus petite que celui-ci, sa feuille est d'un tiers moins large, de même que sa queue est aussi du tiers plus courte. De plus, la membrane interfémorale qui se termine dans le diadème par un bord à angle saillant, est à angle rentrant dans cette espèce.

Il n'y auroit que l'éloignement des lieux, *Madagascar* et *Timor*, où se trouvent ces deux rhinolophes, pour autoriser la conjecture qu'ils forment deux espèces très-différentes.

J'ai annoncé plus haut que les rhinolophes se ressemblent par les couleurs et la disposition des poils: dans tous, en effet, la toison est épaisse, bien fournie et moelleuse: le poil est fauve en dessus, et blanc jaunâtre en dessous.

J'ai trouvé le trident dans les plus profondes excavations des montagnes, en Egypte et notamment dans les parties les plus reculées des tombeaux des rois et du temple de Denderah.

Ainsi dans, les pays chauds comme dans les pays froids, les rhinolophes recherchent également les lieux écartés; l'état de la température ne leur en fait donc pas une nécessité: en aurois-je trouvé la vraie raison en l'attribuant au défaut d'oreille interne?

Les rhinolophes de France ne rentrent pas tous les soirs en été dans les cavernes qu'ils habitent l'hiver. Songeroient-ils à s'épargner des allées et venues, et les fatigues du trajet dans leurs demeures souterraines? On ignore où ils se retirent pour passer le jour.

Rhinolophus Darlingi K. Andersen, 1905

p. 70

Diagnosis. - Differs from all other South-African *Rhinolophi* by the combination of these two characters: cingula of the upper canine and p^4 in immediate contact with each other; forearm 46.7-47.7 mm.

Nose-leaves. - Extreme length 14-14.5 mm. Horseshoe covering almost the whole of the muzzle; no tooth-like projection on either side of the median notch; greatest width 8.1-8.5 mm. Sella naked, slightly constricted below the middle, broadly rounded off at summit; vertical height 4 mm.; breadth at base, at constriction, and at summit

p. 71

2.1, 1.5, and 1.7 mm. Posterior connecting-process very short, rounded, in side view very nearly semicircular, scarcely projecting beyond the summit of the sella (this kept in vertical position). Lancet very long, scarcely constricted, its lateral margins evenly converging towards the tip; distance from the posterior transverse bridge to the tip of the lancet 4.2 mm.

Ears. - Reaching tip of muzzle, when laid forward: not attenuated below the tip; this latter blunt. Width of ear about equal to its length from notch on outer margin to tip.

Wings. - 5th metacarpal equal to (or only a mere trifle longer than) 4th. 1st phalanx of 4th finger about $^2/_3$ the length of 2nd phalanx. Plagiopatagium inserted on tarsus.

Tail. - Much longer than the tibia, about the same length as the 3rd metacarpal. Hinder margin of interfemoral triangular.

Colour. - General colour of adult individuals (2 skins) rather dark brownish drab above, "drab-grey" beneath. Base of hairs on back of the same colour as the underside. Length of fur on middle of back about 10 mm. - Immature specimens (2 skins) have a more greyish tinge on the back, but the difference from adult examples is very slight (but may perhaps be more pronounced in still younger individuals).

Skull. - Hinder border of palatal bridge opposite (or very slightly behind) the middle of m^3.

Dentition. - Cingula of the upper canine and p^4 so closely approximated as to completely touch each other. Upper p^2 quite on the external side of the tooth-row; in one skull (F ad.) with unworn teeth it is as high as the cingula of the adjacent teeth; in two other skulls with slightly worn teeth it is hair-fine, hardly perceptible without a lens (therefore presumably lost in still older individuals). Lower p_3, when present, external to the tooth-row, not reaching the upper margin of the cingula of p_2 and p_4; in a little more advanced age p_3 is lost.

Type. - Ad. (skin). Mazoe, Mashonaland, 4000 ft., June 13th, 1895; collected by J. ff. Darling, Esq. B. M. no. 95.8.27.1. Original no. 35. "Taken in mining adit." Five paratypes (three skins, two in alcohol) are in the British Museum.

Distribution. - A young *Rhinolophus* from Angola (B. M. no. 64.8.16.3*) is indistinguishable from the species here

* *Rh. æthiops*, specimen "e" in Dobson's Cat. Chir. Brit. Mus. (1878) p. 122.

p. 72

described, in external characters as well as in skull and dentition. Its geographical distribution therefore, probably, is from Angola across South Africa, eastwards at least to Mazoe.

Remarks. - The short diagnosis given above will, in every case, prevent confusion of the present species with any other hitherto known South-African *Rhinolophus*. *Rh, Landeri, lobatus, simulator*, and *Denti* differ, altogether, in having the upper p^2 placed in the tooth-row, separating the canine and p^4 by a distinctly perceptible interspace. *Rh. Landeri* is much smaller (forearm about 43 mm.), with much shorter ears, much narrower sella, higher connecting-process, much shorter tail (18-21 mm.), and with the 1st phalanx of the 4th finger peculiarly shortened (less than, or equal to, half the length of the 2nd phalanx). *Rh. lobatus*, which is of about the same size as *Rh. Darlingi*, may at once be separated by having the posterior connecting-process long, pointed, projecting like a small "horn" far beyond the summit of the sella. *Rh. simulator* is smaller (forearm 43.5-45 mm.); the front face of the sella is "rough" owing to the presence of very short hairs (most easily to be observed under a lens). *Rh. Denti* is much smaller (forearm 41-43 mm.); front face of sella as in *Rh. simulator*.

The species is named in honour of Mr. J. ffolliott Darling, to whom the British Museum is indebted for so many valuable accessions to its collection of South-African mammals.

[table removed - eds.]

Rhinolophus darlingi barbertonensis Roberts, 1924

p. 5

Rhinolophus darlingi barbertonensis subsp. nov.

Similar in structural characters to *R. darlingi* Andersen (Ann. and Mag. N.H. (7), xv, p. 20), which occurs in the highveld from Nyasaland to Transvaal, but differing therefrom in its consistently smaller size, especially in the skull. The following dimensions will serve to show this difference, those in brackets being of the typical form (from a specimen taken at Pretoria) and the others from the type taken in the district of Barberton; altogether ten specimens of the smaller form, from Barberton, Louws Creek, Gravellot Mine (near Leydsdorp) and Mokeetsi, all below the Drakensberg Mountains, and twelve of the larger, from Pretoria, have been compared, and the figures given represent the normal, hardly any overlapping being perceptible in the external dimensions, and less in the cranial. Length of head and body 45 (55), tail 33 (32), hind foot with claws 8 (8), ears 20 (21), all taken in the flesh. Length of forearm 45 (49); third finger, metacarpal 34 (36), first joint 4.5 (16.8), second joint 24.5 (26); fourth finger, metacarpal 33.2 (34.5), first joint 8.4 (9.8), second joint 15.2 (18); fifth finger, metacarpal 34 (36), first joint 11.2

p. 60

(11.8), second joint 4 (16.5) ; tibia and foot with claws 26 (28), Skull: length from front of canines to occiput 18,8 (19.5); width of brain case 8,8 (9.2), width across canines 5 (5.5) ; length of upper tooth row, from front of canines to back of hindmost molar 6.8 (7.2).
Type: Adult female, T.M. No. 2476, taken at Louws Creek, Barberton, on March 4th, 1920.

Rhinolophus darlingi damarensis Roberts, 1946

p. 303

A paler form than those of the eastern parts of South Africa, paler drab grey above and whiter below, the wings also averaging longer, though the skull is only slightly larger on the average.

Measurements of type from Oserikari, and minima and maxima of seven with skulls from Kochina, Great Karas Mountains, of a skin without a skull from Neudamm, and for comparison, in brackets, six with skulls from Transvaal of *R. d. darlingi* K. Andersen: Head and body 60, 53 - 56 (56 - 60); tail 30, 28 - 31 (27 - 33); hind foot (c.u.) 11 - 13 (8 - 10); ear 20, 18 - 21 (19 - 21); wing span 344, 300 - 315 (2), (290 - 315 in six). Forearm 50, 48 - 50.5 (Neudamm 51), (47.5 - 49); 3rd finger metacarpal 33.5, 32.5 - 35 (Neudamm 36), (31.2 - 32); 1st phalanx 18.5, 14.5 - 17.5 (15.8 - 16.8); 2nd phalanx 26, 25 - 29 (25 - 27.5); 4th finger metacarpal 37.5, 34 - 38.5 (34 - 36); 5th finger metacarpal 37.5, 36 - 39.5 (35 - 37). Skull, greatest length from canines 20.5, 19.5 - 20.5 (19 - 20); dorsal median length 17.7, 16.5-17.7 (16.5 - 17.2); zygomatic width 10.7, 9.9 - 10.5 (9.8 - 10.5); width of brain

p. 304

case at mastoid 8.4, 8 - 9 (9.1 - 9.2); width across m^3 7.9, 7.4 - 7.5 (7.4 - 7.7); width across canines 5.7, 5.1 - 5.7 (5.2 - 5.5); c-m^3 series 7.7, 7.1 - 7.6 (7 - 7.4).

Type: T.M. No. 9474, adult F, Oserikari, Okahandja district, South-west Africa. Also seven with skulls from Kochina, Great Karas Mountains, Great Namaqualand, and one without skull from Neudamm, near Windhoek, Southwest Africa.

Rhinolophus Deckenii Peters, 1868

p. 705

Rh. fumigatus Ptrs., non Rüppell, Monatsber. 1866. p. 885).

Aufsenrand des Ohres mit einer stumpfwinkeligen Einbucht; die hintere Spitze des Sattels abgerundet, viel kürzer als seine vordere Oberfläche, welche nur sehr wenig in der Mitte verschmälert erscheint und an der Spitze abgerundet ist; Hufeisen jederseits am mittleren Einschnitt mit einem spitzen Zacken, am Rande flach wellenförmig. Der erste obere kleine Prämolarzahn niedrig und stumpf, nach aufsen gedrängt. Flughaut geht etwas über den Hacken herab. Die Behaarung ist lang und fein, oben dunkler, unten heller röthlichbraun.

Mafse eines ausgewachsenen Weibchens.

Meter.
Totallänge: 0.097
Kopf: 0.0265
Ohrlänge: 0.023
Ohrbreite: 0.019
Länge des ganzen Nasenbesatzes: 0.0172
Breite des Hufeisens: 0.011
Schwanz: 0.029
Oberarm: 0.035
Vorderarm: 0.055
L.1.F. Mh. 0.0055; 1 Gl. 0.003; 2 Gl. 0.0027: 0.010

L.2.F. - 0.041: 0.041
L.3.F. - 0.037; - 0.019; - 0.029; Kpl. 0.005
L.4.F. - 0.042; - 0.011; - 0.0175; - 0.0023
L.5.F. - 0.043; - 0.013; - 0.0165; - 0.0023
Oberschenkel: 0.023

p. 706

Unterschenkel: 0.025
Fufs: 0.015
Sporn: 0.014

Das einzige Exemplar stammt aus der Sammlung des Baron C. von der Decken, von der Zanzibarküste. Erst neuerdings erhielt ich ein Exemplar von Rüppell's *Rhinolophus fumigatus* in Weingeist zur Untersuchung, woraus ich ersah, dafs es nicht, wie ich glaubte, mit dieser Art zu vereinigen sei.

Rhinolophus Denti Thomas, 1904

p. 386

Allied to the European *R. euryale*, but smaller.

Size very small, among the smallest species of the genus. Leading characters (in the order used in Dobson's synopsis): posterior upper premolar separated from the canine, though not very widely, the small anterior premolar in the tooth-row, towards its outer side; horizontal portion of the sella not widely expanded, though (allowing for shrinkage in the dried skin) it would appear to be more so than is usual in the allied species; upper margin of the posterior connecting process forming a marked projection, rounded terminally, rising considerably above the summit of the front of the sella; sides of the vertical process of the sella parallel, summit broadly rounded off; antitragal notch shallow.

Horseshoe large, covering most of the muzzle, circular, its anterior edge sharply notched in the centre; lancet short, conical, its sides evenly convergent upwards, thickly covered with fine fur, similar in colour and quality to that of the head. Ears of medium size, their inner margin evenly convex, tip sharply pointed, upper half of outer margin slightly concave; antitragal notch not deep and the lobe itself comparatively little convex. Hind limbs slender and delicate. Wings from the lower third of the tibiæ. Interfemoral membrane finely fringed posteriorly.

Fur close and fine, about 7 mm. long on the back. General colour above pale grey, the individual hairs dull whitish, with dark brown tips. Under surface nearly white. Membranes brown, the plagiopatagium and interfemoral inconspicuously edged with white.

Skull with the nasal convexity more developed than in *R. euryale*, less than is figured in Peters's *R. lobatus*. Palate ending opposite the posterior edge of the internal lobe of m^2.

Dimensions of the type (those in inverted commas taken by the collector in the flesh): -

Forearm 42 mm.

"Head and body 41"; "tail 21"; "ear 20"; nose-leaf (dry) 9.2 X 6.3; lower leg and foot (c.u.) 25.5.

p. 387

Skull: greatest length 17; basal length to front of canines 13.2; breadth of brain-case 7.6; palatal bridge 1.9; front of upper canine to back of m^3 5.9; front of lower canine to back of m_3 6.6.

Hab. Kuruman, Bechuanaland. Alt. 1300 m.

Type. Male. B.M. no. 4.4.8.2. Original number 7. Collected 24th January, 1904, by R. E. Dent. Two specimens.

"Caught in a house."

This species, the smallest of South-African *Rhinolophi*, seems to represent *R. euryale*, but may be readily distinguished from that, as from all others, by its proportions, its pale colour, the high attachment of its wing-membranes, and its unusually hairy lancet.

Rhinolophus denti knorri Eisentraut, 1960

p. 3

Material: 5 Exemplare, 1 M (Tgb. Nr. 90), 15.XI.1956, 1 M (Tgb. Nr. 165), 27.XI.1956, bei Nyembaro am Salung-Plateau, 12 km westlich Kolente. - 1 M, 2 FF (Tgb. Nr. 127-129), 19.XI.1956, bei Nerebili, 400 m Meereshöhe.

Die 5 vorliegenden Exemplare von *denti* sind der erste Nachweis der bisher nur in südlichen Gebieten Afrikas gefundenen Art für Westafrika. Während die Nominatform nach den bisherigen Funden nordwärts kaum weit über den 20. südlichen Breitengrad hinausreicht, liegen die Fundorte in Guinea etwa auf dem 10. nördlichen Breitengrad. In der Luftlinie gemessen sind die nächsten Fundorte in den beiden Verbreitungsgebieten über 4000 km voneinander getrennt. Bei dieser großen Entfernung könnte man recht erhebliche morphologische Unterschiede der beiden Formen erwarten. Dies ist jedoch keineswegs der Fall. Immerhin berechtigen die vorhandenen Abweichungen zu einer subspezifischen Abtrennung.

Die Rasse *knorri* ist etwas kleiner als die Nominatform. Besonders auffallend ist die geringe Länge der Ohren und Hinterfüße. Dagegen ist das Gebiß nicht nur relativ, sondern auch absolut kräftiger. Die Fellfärbung ist dunkler und zeigt einen stärkeren bräunlichen Ton gegenüber einem mehr blaßgrauen Ton bei der Nominatform.

Typus: M (Tgb. Nr. 165 A), 27.XI.1956, Höhle bei Nyembaro am Salung-Plateau, 12 km westlich Kolente, KNORR leg., Staatliches Museum für Naturkunde Stuttgart, Katalog-Nr. 6111. Kopf-Rumpf-Länge: 40 mm, Schwanz: 17 mm, Ohr: 17 mm, Hinterfuß: 6.5 mm, Unterarm: 37.5 mm, Tibia: 15.5 mm, gesamte Schädellänge: 17.0 mm, Jochbogen: 8.0 mm, maxillare Zahnreihe: 6.0 mm, Mandibellänge: 10.5 mm, mandibulare Zahnreihe: 6.0 mm.

Knorri ist in der Größe nur wenig von der typischen Form *denti* unterschieden. Sehr deutlich zeigt sich dies beim Vergleich der immer am korrektesten festzustellenden Schädelmaße (Tabelle 2). Die Durchschnittswerte für die gesamte Schädellänge und die Länge der Mandibeln sind bei *knorri* nur um ein geringes kleiner, und die Variationsbreiten greifen weit ineinander oder überdecken sich. Das gleiche gilt auch für andere Schädelmerkmale, und deren Durchschnittswerte ergeben meist nur geringe Differenzen.

p. 4 - 5

[table removed - eds.]

p. 6

[table removed - eds.]

Auffallend sind die durchweg etwas geringereren Körpermaße von *knorri*, wobei sich aber auch wieder in den meisten Fällen die Variationsbreiten überschneiden. Hervorzuheben sind die deutlich kleinere Ohrlänge und die geringere Länge der Hinterfüße. Sofern diese erheblichen Differenzen nicht auf verschiedener Meßmethode der verschiedenen Sammler beruhen, dürften die geringeren Maße für *knorri* typisch sein, zumal sich auch die Variationsbreiten nicht überschneiden.

Sehr charakteristisch für *knorri* erscheinen die Unterschiede in der Ausbildung des Gebisses. Zwar sind die Zahnproportionen selbst etwa die gleichen, ganz allgemein aber besitzt die Guinea-Form trotz ihrer geringeren Körper- und Schädeldimensionen ein kräftigeres Gebiß. Beim Vergleich (Abb. 2) fällt besonders die größere Breite der Molaren auf. Diese Unterschiede zeigt auch folgende Gegenüberstellung:

Durchschnittliche Breite der oberen Molaren (M^1; M^2; M^3)
knorri (5 Exemplare): 1.5; 1.52; 1.43
denti (2 Exemplare): 1.3; 1.4; 1.3

p. 7

Die Fellfärbung ist bei der neuen Form dunkler als bei der Nominatform. Die Tönung der Oberseite ist bei vier Exemplaren der vorliegenden kleinen Serie mittelgraubraun und als "Brownish Olive" zu bezeichnen. Bei F Nr. 127 ist sie etwas heller und geht mehr nach "Dresden Brown" über. Die Unterseite ist grauweißlich und bei dem letztgenannten Tier schwach cremefarben. Bei allen ist die Bauchmitte heller, die Seitenpartien etwas dunkler. In der Gesamtfärbung heben sich die 5 Stücke von *knorri* deutlich gegen die von mir durchgesehenen Exemplaren von *denti* ab. Letztere sind auf der Oberseite bedeutend heller (Buffy Brown) und mehr grau; nur einige zeigen einen etwas bräunlichen Ton. Ebenso ist bei allen die Unterseite heller, und zwar schmutzigweiß. Die Flughäute sind bei *denti* mehr bräunlich, bei *knorri* mehr grauschwärzlich.

Die vorliegenden Stücke wurden ebenso wie die der vorhergehenden Art, zum Teil mit diesen am gleichen Platz, in Höhlen gefangen, die bei Nyembaro und Nerebili im Hinterland von Guinea, etwa 150 km von Conakry entfernt, liegen.

Rhinolophus Dobsoni Thomas, 1904

p. 156 - footnote

Rhinolophus clivosus, Dobs. Cat. p. 120 (nec Rüppell).

Type. Specimen *b*. F. B.M. no. 47.5.7.49. (Forearm 44 mm.)

Hab. Kordofan.

As Peters has shown, the true *R. clivosus* of Rüppell, from Mohila, Arabia, is one of the group with the large upper premolar pressed close against the canine, the small premolar being in the outer angle. In Dobson's bat, on the other hand, although he puts it in the same group, the anterior premolar separates the second premolar from the canine. This difference cannot be due, as he supposed, to immaturity, one of the specimens at least being fully adult.

Rhinolophus empusa K. Andersen, 1904

p. 378

Short diagnosis. - Anterior upper and middle lower premolars placed in the tooth-row. Sella wedge-shaped (deltoid). Horseshoe as broad as muzzle. A conspicuous dark patch under each eye. Forearm 48 mm.

Nose-leaves. - Horseshoe covering the muzzle laterally; a small tooth-like projection on each side of median notch; underlying leaf easily visible all round. Sella wedge-shaped; breadth at base about three fourths of vertical height; lateral margins plainly converging (with a scarcely perceptible constriction in the middle) towards the summit, which is subacutely pointed. Posterior connecting - process long, pointed, slightly curved forwards, as an erect horn, about five sixths the vertical height of the sella, thus projecting far beyond the summit of the sella. Lateral margins of lancet concave in the middle, tip behind constriction about 2.3 mm.

Ears. - Rather short, scarcely reaching tip of muzzle, when pressed forwards along the sides of the head. Tip obtusely pointed. Outer margin concave below the tip. Notch on outer margin shallow, almost rectangular. Extreme breadth of ear somewhat greater than the distance from the notch to the tip.

Wings. - 5th metacarpal longer than 4th. 1st joint of 4th finger equal to three fifths the length of 1st joint of 3rd finger. On the folded wing the tip of the 1st joint of the 5th finger reaches as far back as the posterior point of the elbow; tip of 1st joint of the 3rd finger falling only a trifle short of the same point. Plagiopatagium inserted at base of metatarsus.

Tail. - Much longer than tibia, about the same length as the combined 1st and 2nd joints of the 4th finger. Tip of tail projecting 2 mm. beyond the membrane (a character

p. 379

which, however, no doubt will prove to be subject to a certain amount of individual variation). Hinder border of interfemoral, between tips of calcars, almost square.

Colour (of spirit-specimen). - Light brown above, greyish beneath. Sides of face yellowish white, with a strongly marked dark brown patch under each eye. Membranes dark brown; free margin of plagiopatagium very narrowly bordered with whitish. Forearm, metacarpals, and fingerjoints yellowish.

Skull. - Essential characters as in *Rh. Blasii*, but parietal region of skull still more globular; frontal region considerably less constricted. Extreme width of brain-case slightly greater than zygomatic width. Median anterior point of palatal bridge opposite front of m^1; median posterior point drawn out into a tooth-like projection. Upper margin of mandible from condyle to base of coronoid process almost straight. Coronoid process very small, projecting only a trifle beyond the highest cusp of m_1.

Dentition. - Small anterior upper premolar (p^2) placed in the tooth-row. Upper canine and posterior premolar (p^4) widely separated. Cusp of p^4 three fourths the height of the canine. Middle lower premolar (p_3) extremely small, but *placed entirely in the tooth-row*, separating p_2 and p_4 from each other; p_2 one third the height of the canine. Cusp of lower p_4 not quite as high as the antero-exterior cusp of m_1.

Type. - F ad. Zomba, Nyasa, collected by Mr. A, Whyte, Jan. 1893, presented by Sir Harry Johnston. B.M. no. 93.7.9.33.

Distribution. - Only one specimen, the type, examined.

Remarks. - This fine species stands quite alone among the African *Rhinolophi*, being the only hitherto known species with a wedge-formed sella. Its nearest ally is the South European *Rh. Blasii*. In dentition *Rh. empusa* occupies a slightly more primitive position than *Rh. Blasii*: in the former the lower p_3 is still entirely in the tooth-row, in the latter it is just on the point of being driven out on the exterior side of the tooth-row.

Measurements of the type.

Nose-leaves: mm.
Front of horseshoe to posterior point of lancet: 13.8
Extreme width of horseshoe: 9
Vertical height of sella: 3.1
Width of sella at base: 2.3
Ears:
Base of lower margin to tip: 15.2
Notch on outer margin to tip: 11.8
Extreme width: 13.2

p. 380

Wings: mm.
Forearm: 48
3rd finger, metacarpal: 30.8
" 1st joint: 15.7
" 2nd joint: 24
4th finger, metacarpal: 33.7
" 1st joint: 9

" 2nd joint: 15
5th finger, metacarpal: 35
" 1st joint: 11
" 2nd joint: 12
Tail, from anus: 25.3
Tibia: 20.2
Hind foot (c. u.): 9.8
Skull:
Extreme length: 19.8
Basal length: 15.2
Extreme width of brain-case: 9.3
Zygomatic width: 9
Maxillar width, across outer margin of m^3: 6.1
Orbital constriction: 2.8
Palatal bridge: 2.6
Med. post, point of palate to front of premaxilla: 6.2
" " " for. magnum: 9
Mandible; condyle to front of incisors: 13.1
Teeth:
Front of upper canine to back of m^3: 6.5
Front of lower canine to back of m_3: 6.8

Rhinolophus euryale tuneti Deleuil and Labbé, 1955

p. 50

Nous avons pris un certain nombre de Rhinolophes euryales (*Rhinolophus euryale* BLASIUS 1853) dans la grotte d'El Haouaria (Cap Bon), et un unique exemplaire dans une grotte très profonde située entre Testour et El Aroussa. En mai, puis en septembre ces Rhinolophes étaient fréquens; en novembre, ils devinrent rares; le 12 décembre, nous n'en trouvâmes qu'un seul, comme d'ailleurs à Tsstour le le 25 décembre. Migre-t-il en hiver?

p. 51

TROUESSART ne fait que supposer *Rhinolophus euryale* BLASIUS, en Tunisie. Au Maroc, on a trouvé la sous-espèce *Rhinolophus euryale barbarus* (K. ANDERSEN et MATSCHIC 1904) à Rabat (CABRERA 1932).

Le tableau 3 (p. 52) donne ses mensurations en millimètres.

DIAGNOSE. - Les côtés de la selle, vue en avant, sont parallèles. Le connectif, rétréci après le milieu et à bords très concaves, présente, vu de profil (cf pl. XXI) une pointe inférieure aiguë et très en avant, et une pointe supérieure obtuse qui tend à la surplomber sans toutefois la dépasser.

La lancette reste conique, vue de face, comme dans le Grand Rhinolophe et le Petit Rhinolophe.

Le patagium, extérieurement, s'insère au talon, tandis qu'intérieurement l'uropatagium ne se déploie qu'à 3 ou 4 mm du talon. La membrane interfémorale reste plus ou moins triangulaire. Les membranes alaires sont de couleur sombre

p. 52

bistre, comme l'oreille; celle-ci, de même couleur, présente une pointe aiguë tournée dehors et non échancrée et un antitragus arrondi dont la largeur est le double de la hauteur. La face dorsale est beige cendré sombre, tandis que la face ventrale est d'un blanc légèrement beige. La feuille nasale ne couvre pas tout le museau.

DISCUSSION. - *Rhinolophus euryale* nov. subsp. de Tunisie ne peut se comparer à *Rhinolophus hipposideros vespa Laurent* 1937, car il est beaucoup plus grand, et son connectif, de profil

p. 53

ne ressemble pas du tout au connectif obtus et très postérieur du *Rhinolophus hipposideros*.

On peut penser au Rhinolophe de Méhély, espèce orientale, mais le nôtre est nettement plus petit. Sa lancette est conique et non à bords très concaves, devenant presque parallèles et la pointe postérieure du connectif n'est jamais aiguë, mais obtuse et tend à surplomber la pointe aiguë inférieure (cf. fig. 2). Enfin, les dimensions dû crâne de *Rhinolophus mehelyi carpetanus* CABRERA sont supérieures a celles du crâne du Rhinolophe tunisien. Il se rapprocherait de *Rhinolophus blasii* PETERS, de la région méditerranéenne orientale, mais en diffère par son connectif, sa fourrure moins foncée, ses oreilles bistres, etc.

En comparant notre sous-espèce tunisienne à *Rhinolophus euryale barbarus* (ANDERSEN et MATSCHIC), type Tanger, elle en diffère par ses dimensions plus petites (avant-bras, doigts), par son antitragus deux fois au moins plus large que haut, par son connectif moins aigü, plus obtus, plus postérieur; ses ailes et oreilles sont plus foncées, presque comme celles de *Rhinolophus Mehelyi*.

Enfin, en comparant les dimensions de notre Rhinolophe a celles des Rhinolophes euryales de l'Institut Scientifique Chérifien, d'origine non précisée, données par M. PANOUSE, on constate que les premières sont, dans l'ensemble, supérieures aux

secondes. Nous pensons donc que le *Rhinolophe euryale type El Haouaria* (Cap Ron) pourrait être une sous-espèce originale tunisienne que nous nommerons *Rhinolophus euryale tuneti* DELEUIL et LABBÉ.

[The name *tuneti* first appears on p. 53 - eds.]

Rhinolophus foxi Thomas, 1913

p. 314

Closely allied to *R. deckeni*, Peters, of East Africa, but greyer in colour and with smaller teeth.

Size rather less than in *R. deckeni*. General colour above "drab-grey," below more whitish grey. Nose-leaf and ears apparently as in *deckeni*.

Skull as in *R. deckeni*, but rather smaller; the nasal

p. 315

swelling just about as in *deckeni*, larger than in *ferrumequinum* and *augur*. Bony palate extending slightly further forward, to the level of the junction between p^4 and m^1. Teethall slightly smaller than in *deckeni*, the combined length of p^4-m^2, on outer edge, being 5.3 mm. as against 5.8 in that species. Minute premolar still further reduced, absent on one side in each of the specimens, and on the other quite minute, smaller than an incisor, and placed in the narrow outer anble between the closely jammed canine and large premolar.

Dimensions of the type (the italicised measurements taken in the flesh): -

Forearm 50 mm. (F 51).

Head and body 57; tail 29; ear 25; third finger, metacarpal 36.5, first phalanx 16; lower leg and foot (c. u.) 30.

Skull: greatest length to front of canines 22.2; naso-occipital length 18.7; palatal length 3; front of canine to back of m^3 8.5

Hab. Kabwir, Bauchi Plateau, Northern Nigeria. Alt, 2500 feet.

Type. Adult male. B.M. no. 13.2.5.1. Original number 45. Collected 14th November, 1912, and presented by Mr. J.C. Fox, of the Cambridge University Mission. Two specimens, male and female.

This is evidently a western representative of *R. deckeni*, but the difference in the general size of the teeth and the reduction of the small premolar prevent my treating it as a subspecies of that bat, from which it is most readily distinguished by its much paler colour.

The British Museum possesses a good example of *R. deckeni* from Tanganiko, near Mombasa, collected and presented by Mr. A. Blayney Percival.

Rhinolophus fumigatus Rüppell, 1842

p. 132

Rhinolophus fumigatus (Rüppell).

Diagn. Rhinolophus alis octava parte majoribus Rhinolopho clivoso, (cui posthemate auriculisque persimilis) vellere villosissimo, colore cinerascente fusco.

Der fleischige Nasenaufwuchs ist bei dieser Art ganz wie bei *Rhinolophus clivosus*, nämlich zwei über einander gestellte, nach oben einfach zugespitzte Hautläppchen, unten durch einen hufeisenförmigen Fleischauswuchs begrenzt; der seitliche Rand der Ohren ist bei beiden gleich ausgeschweift, und der untere Rand derselben halbelliptisch aufwärts umgebogen; auch sind die Verhältnisse der einzelnen Körpertheile so ziemlich die nämlichen, nur ist bei der Schoënser Art der Schwanz kürzer, dagegen der Vorderarm und die ganze Flugweite merklich grösser, wie aus nachstehender Zusammenstellung ersichtlich ist;

	Rhinoloph. clivosus. / Rhinoloph. fumigatus.
	Zoll. Lin. / Zoll. lin
Ganze Körperlänge von der Nasenspitze bis zum Schwanzende:	3 3 / 3 4
Schwanz besonders gemessen:	1 - / - 10
Verticalhöhe des Ohres:	- 8 / - 9
Länge des Vorderarms:	1 8 / 1 11
Grösste Flugweite:	9 9 / 11 -
Daumenglied (ohne Nagel):	- 2 / - 2
Tibia:	- 8 / - 10

p. 133

Der ganze Körper ist dick mit einem ziemlich langen, dunkelrauchgrau gefärbten Pelz bedeckt, wodurch sich der Gesammthabitus dieses Thiers gleichfalls von *Rhinolophus clivosus* unterscheidet.

Vaterland: das Reich Schoa, südlich von Abyssinien.

Rhinolophus fumigatus exsul K. Andersen, 1905

p. 74

Diagnosis. - Apparently similar in all essential characters to *Rh. fumigatus* (=*Antinorii*); but decidedly smaller. Forearm 49.5 mm.

External characters. - To judge from a dried skin, the shape of the nose-leaves and ears is the same as in *Rh. fumigatus*. The lateral margins of the sella bear the dense clothing of long hairs characteristic of the *fumigatus*-group of species; the hairing on the front face of the sella seems to be sparser and shorter than in the typical form. General colour above dark greyish "drab" darkest on the hinder part of the back, brighter drab on the underside of the body; base of hairs, throughout, dark smoke-grey.

Measurements. - Under the next form.

Type. - Ad. (skin). Kitui, British East Africa, 3500 ft., Jan. 3rd, 1901; collected and presented by Mrs. H. Hinde. B. M. no. 1.5.6.3. Original no. 68. The type is the only specimen known to me.

Distribution. - Probably the whole of the Ukamba district.

Remarks. - This is evidently a southern offshoot of *Rh. fumigatus*, cut off from the (Abyssinian) main stem of the species, and developed into a distinct race. From *Rh. Deckeni*, an inhabitant of nearly the same regions, it is easily distinguished by the longer and differently shaped nose-leaves, by having the margins of the sella clothed with long straight hairs, by the much smaller size (forearm in *Rh. Deckeni* 54.7 mm.), by having the 4th metacarpal only about 2 mm. longer than the 3rd (in *Rh. Deckeni* 5 mm. longer), by the comparatively very short 2nd phalanx of the 5th finger, &c. I have not seen a skull of this form; it will, no doubt, be found to have lost both the lower p_3 and the upper p^2, agreeing in this respect with *Rh. fumigatus* and differing from *Rh. Deckeni*.

Rhinolophus Geoffroyii A. Smith, 1829

p. 433

Rhinolophus Geoffroyii, mihi.

R. suprà ligneo-fuscus ; subtùs sublignicolor, membranis nigris, interfemorali transversè venosâ; caudâ vix præter apicem porrectâ; superiore membranæ nasalis lobo suprà acuminato.

Colour above wood brown, beneath lighter; membranes black, interfemoral one veined longitudinally, and the tip of the tail just extending beyond its posterior margin; upper lobe of nasal membrane pointed above; eyes small and nearly in front of the inner edges of auricles; ears large and patulous, nearly as long as the head, pointed, and each with an inferior lobe towards the base of the outer margin, which is separated from the principal by a deep intervening notch: interfemoral membrane semicircular behind. Length from the tip of nose to com-

p. 434

mencement of interfemoral membrane, three inches; length of latter, one inch; expanse of wings, thirteen inches. Inhabits the whole of South Africa.

This species decidedly differs from both the *Rhinolophus affinis*, and *Rhinolophus minor*, of Horsfield, not only in size and colour, but also in the depth of the notch in the outer edge of the auricle, as well as in the form of the nasal appendages, &c.

Rhinolophus Hildebrandti eloquens K. Andersen, 1905

p. 74

Diagnosis. - A small race of *Rh. Hildebrandti*. Forearm 57.7-60.5 mm.

Wings. - *Rh. Hildebrandti* is among the largest species of

p. 75

its genus; *Rh. H. eloquens* barely surpasses *Rh. Ferrum-equinum*. The reduction in size affects mainly the forearm and metacarpals, far less the phalanges. In the length of the forearm the largest specimens of *Rh. H. eloquens* fall short of the smallest individuals of the typical form; this character, therefore, evidently affords a most reliable mark of distinction between the two races. As to the metacarpals, maximum measurements of *Rh. H. eloquens* approach, very closely, minimum measurements of *Rh. H. typicus*.

Colour. - *Rh. Hildebrandii* (4 skins) is dark greyish "drab" on the upperside, bright drab beneath. *Rh. H. eloquens* (3 skins) is tinged with "wood-brown" above, next to "broccoli-brown" beneath. Base of the hairs, on the upper and under sides, dark smoke-grey. Immature individuals (1 skin) are slightly duller in colour than adults.

Skull and dentition. - All the measurements markedly smaller than in typical *Rh. Hildebrandti*. The length of the upper and lower tooth-rows, as being almost quite independent of the individual variation, is the best character by which to distinguish between the skulls of the two forms (conf. measurements below). In *Rh. Hildebrandti* (6 skulls) the upper p^2 is nearly always present and easily perceptible; the lower p_3 very minute, but generally not completely wanting. In *Rh. H. eloquens* p^2 is exceedingly small, hair-fine, even under a strong lens; p_3 (as it appears from examination of four skulls) almost always wanting, even in immature specimens.

Type. - Ad. (sk.), unsexed. Entebbi, Uganda; collected and presented by F. J. Jackson, Esq. B. M. no. 99.8.4.4. Three other specimens, from the same locality, are preserved in the Museum.

Distribution. - Probably the whole of the district surrounding Albert, Albert Edward, and Victoria Nyanza.

Remarks. - The present form is of great interest from a phylogenetic no less than from a zoogeographical point of view. *Rh. Hildebrandti* and *Rh. Fumigatus* (=*Antinorii*)* form a well-defined group of species, agreeing in the general form of the ears, in the size and shape of the horseshoe, the sella, and the posterior connecting-process, in having the margins and front face of the sella clothed with long hairs, in the general form of the wings, the comparative shortness of the tail, and the more essential characters of the skull

* Together with *Rh. Æthiops*; but this species, although extremely interesting as the hitherto only known West-African representative of the group, has a more isolate position, differing much more from the two other species than these latter inter se.

P. 76

and dentition. Until now, however, the very large *Rh. Hildebrandti* and its small counterpart, *Rh. Fumigatus*, have been without any intermediate link, widely separated in size as well as in geographical distribution. *Rh. H. eloquens* greatly reduces the gap between the two species; in all the points in which *Rh. H. eloquens* differs from *Rh. Hildebrandti typicus*, it approaches *Rh. Fumigatus* - in size, in colour, in dentition. *Rh. Hildebrandti* is decidedly the most primitive form: the upper p^2 is distinctly perceptible, the lower p_3 only occasionally wanting; in the Uganda race p_2 is markedly reduced in size, p_3 almost always completely lost; in the northern *Rh. Fumigatus* p^2 is but very rarely present, p_3 never. Uganda, the typical locality of *Rh. H. eloquens*, is, so to speak, "on the way" between the areas of *Rh. Hildebrandti* (from Mazoe to Mombasa) and *Rh. Fumigatus* (S. Somali and Abyssinia). It is not improbable that, when the region between Uganda and Abyssinia is better explored, we shall have to regard *Rh. Hildebrandti* and *Rh. Fumigatus* no longer as distinct "species," but rather as *peripheral forms* of one species, bound together by races intermediate in characters and in geographical distribution.

The subjoined table of measurements gives the difference in size, from the smallest form of *Rh. Fumigatus* to the largest form of *Rh. Hildebrandti*. If I had been arranging the forms from a phylogenetic point of view, the order would have been just the reverse (the names of the races read from right to left).

[table removed - eds.]

Rhinolophus hildebrandti perauritus de Beaux, 1922

p. 22

Somalia mer., territ. dei Rahanuin, 10.XI.11. *Int. in alc.* C. E. 12238; 3 FF; *Cotipi*. Le dimensioni somatiche superano di poco i maxima segnati da Andersen (Ann. Mag. Nat. Hist. XV, 1905, p. 76) per il *Rh. fumigatus*. Le orecchie e le membrane fogliacee nasali sono però più grandi. Le dimens. dei denti sono quelle del *Rh. hildebrandti eloquens*, And. (l.c.). P_2 ben percettibile. Lungh. della testa in carne mm. 25; test + tronco 57; coda 31; avambraccio 54-55; 3° metacarpo 39; 4° mtc. 41-41.5; 5° mtc. 41-42. Padiglione: lungh. mssm. 20; largh. in posiz. natur. 18; lungh. membrana fogliacea nas. 20; lungh. del ferro di cavallo 9-10; sua largh. 11-12; lungh.

p. 23

C-M_3 8.5-9; C-M_3 9.5-10. - *Colore*: Parti super. grige chiare (light drab, Ridgw. XLVI); singoli peli grigi chiarissimi nei $^5/_6$ basali (pale drab gray, ibid.); drab nel $^1/_6$ apic.. Parti infer. grige biancastre (pale olive buff, Ridgw. XL). Membrana alare bruna fuliginosa.

Annotaz.. Fui lungamente in dubbio se attribuire questo Rh. alla forma *fumigatus fumigatus*, And.; ma dopo accurati contronti con fumig. tipici determ. dall'a. della spec., e con *hildebrandti*, Pet. dovetti decidermi a farne una nuova sottospec., la quale costituisce daltronde un ulteriore appoggio alla supposiz. già espressa dallo stesso And. nel 1905, *che hildebrandti e fumigatus consituiscano una specie unica*.

Rhinolophus Hildebrandtii Peters, 1878

p. 195

(Taf. 1. Fig. 1.)

Diese Art schliesst sich durch die Form des Nasenbesatzes am nächsten an *Rh. fumigatus* und *aethiops* an, ist aber grösser, die grösste unter den bisher aus Africa bekannt gewordenen Arten. Das Hufeisen ist a am Rande einfach abgerundet, ungekerbt, vorn eingeschnitten, neben dem Einschnitte wulstig, aber ohne zahnartigen Vorsprung. Jederseits neben dem Hufeisen befindet sich, wie bei *Rh. aethiops*, nur vorn eine rudimentäre Falte. Die vordere Seite des Sattels ist etwas biscuitförmig eingebuchtet und überragt etwas den vorderen Theil des oberen bogenförmigen Sattelrandes; der ganze Sattel ist höher und Länger als bei *Rh. aethiops*. Der ganze Nasenbesatz ist mehr oder weniger dicht behaart. Die Ohren sind gross und breit, am Ende zugespitzt, aussen mit 10 Querfalten. Die Behaarung ist weich und reichlich, einfarbig, oben dunkelblond, unten graubraun.

Mafse nach getrockneten aufgeweichten Bälgen:

Meter
Totallänge ungefähr: 0.095
Kopflänge: 0.029

p. 196

Ohrhöhe: 0.029
Ohrbreite: 0.022
Länge des Nasenbesatzes: 0.022
Breite des Nasenbesatzes: 0.012
Höhe des Sattels: 0.0057
Länge des Sattels: 0.001
Vorderarm: 0.062
L.1.F. Mh. 0.0015; 1.GL. 0.0035; 2.Gl. 0.003: 0.011
L.2.F. - 0.0415;) 0.005: 0.045
L.3.F. - 0.013; - 0.019; - 0.035; Kpl. 0.0035
L.4.F. - 0.015; - 0.011; - 0.022; - 0.002
L.5.F. - 0.047;) 0.0135; - 0.019; - 0.002
Schwanz: 0.034
Unterschenkel: 0.0275
Sporn: 0.021
Fuss: 0.0175

Aus Ndi (Taita).

Rhinolophus hilli Aellen, 1973

p. 101

Type. - F adulte, en alcool. Uwinka, Préf. Cyangugu, Rwanda, alt. 2300 m, 25.8.1964; coll. U. Goepel. Zoologisches Muséum der Universitât Zürich, n° 481.

Derivatio nominis: en l'honneur de John Edwards Hill, du British Muséum, dont les remarquables travaux ont beaucoup contribué à la connaissance de la systématique des chiroptères.

Diagnose. - Appartient au groupe *philippinensis* et est voisin de *ruwenzorii* Hill. Diffère de ce dernier par: a) une taille générale plus petite, b) le connectif de la feuille nasale bien développé, c) le crâne à boîte crânienne et le rostre plus larges.

Description. - Les dimensions externes et crâniennes sont un peu plus faibles que celles de *ruwenzorii*: inférieures en moyenne de 5 à 10 %. L'avant-bras mesure 53 mm, alors que chez *ruwenzorii*, il est de 55.5 mm (56 et 57) pour la F, et un peu plus faible pour le M.

Les oreilles, remarquablement grandes, sont très semblables à celles de *ruwenzorii*. Comme chez ce dernier, le bord antérieur de l'antitragus n'est pas concave et ne porte pas de sec à sa base (caractères de *maclaudi*).

La feuille nasale, qui ressemble en général à celle de *ruwenzorii*, en diffère surtout par le connectif. Dans notre nouvelle espèce, la selle (partie basale) est en forme de coupe (calice), moins évasée que chez *maclaudi*. Chez

p. 102

ruwenzorii, les bords latéraux de la partie basale de la selle seraint plus étalés (cf. fig. 2, in Hayman, 1960); mais chez le spécimen de Butembo que j'ai examiné, la selle ressemble beaucoup à celle de *hilli*. Ce caractère semble donc variable; il est d'ailleurs fort possible que sur l'animal vivant on puisse observer les deux positions cup-like et wing-like, expansions en rapport avec les émissions d'ultrasons: étalées, les "ailes" recouvrent les orifices des narines, repliées en calice, elles les dégagent un peu. Le procès vertical de la selle est semblable chez les deux espèces, de même que le fer-à-cheval et la lancette. Par contre, le connectif est nettement différent. Obsolète chez *ruwenzorii*, il est parfaitement développé chez *hilli*, entre le procès vertical de la selle (dont il n'atteint pas le sommet) et la lancette. Ce caractère me parait important et justifie la séparation en deux

espèces. Sur les côtés du museau, en avant, il y a une foliole secondaire (secondary leaflet, cf. Rosevear, 1965, fig. 49) de chaque côté, aux 3/4 cachée par le fer-à-cheval, et non rattachée directement au reste de la feuille nasale. Cette foliole fait défaut chez *maclaudi*, mais est présente chez *ruwenzorii*, bien que non encore signalée.

La lèvre inférieure présente un sillon médian net et deux échancrures latérales.

Le patagium s'insère au milieu du tarse.

Les longueurs respectives des métacarpes et des phalanges des 3e, 4e et 5e doigts correspondent exactement au schéma donné par Andersen pour *philippinensis* (1905: 247), c'est-à-dire que l'aile est de structure très primitive. Le 3e métacarpe est très peu raccourci (environ 90 % du 5e), le 4e métacarpe est à peu près égal au 5e. Ces deux caractères correspondent à ceux de la section *philippinensis*. Par contre, un certain allongement des 2es phalanges, et surtout de celle du 3e doigt, est un caractère propre aux sections *trifoliatus* et *sedulus* (du groupe *philippinensis*). La structure de l'aile de *ruwenzorii* est tout à fait semblable à celle de *hilli*.

Les plis palataux sont du même type que celui décrit chez *ruwenzorii*, mais ils sont tous, sauf peut-être le 6e, séparés au milieu. La fourrure est douce et bien fournie, comme chez *ruwenzorii*. La coloration est quelconque et très uniforme: brun foncé dessus et dessous, les oreilles et le patagium un peu plus clair.

p. 103

Le crâne présente une forme et des proportions semblables à celles du *ruwenzorii*. Toutefois, il est relativement plus large au niveau du rostre: le rapport largeur M^3-M^3 sur longueur C-M^3 (alv.) est plus grand que 1 (1.05) chez *hilli*, alors qu'il est inférieur ou égal à 1 chez *ruwenzorii* (0.92 à 1.0), moyenne de 3 spécim. 0.95). La boîte crânienne est aussi plus large: le rapport largeur mastoïde sur longueur basale, utilisé par Hill (7), est de 0.6 chez *hilli* et seulement de 0.57 à 0.58 (2 spécim.) chez *ruwenzorii*. Enfin, la largeur zygomatique est pratiquement égale à la largeur mastoïde chez *hilli*, alors qu'elle est plus faible chez *ruwenzorii*.

mesures en mm: *R. hilli* type F; *R. ruwenzorii* type F, M Butembo
tête et corps: 60; 67, 66
avant-bras: 53; 57, 56
3e doigt, métacarpe: 37.5; 40, 40
- 1ère phalange: 17; 18.5, 17.5
- 2e phalange: 29.5; 32, 30
4e doigt, métacarpe: 41.5; 44, 43
- 1ère phalange: 11; 12, 11.5
- 2e phalange: 19; 20, 19.5
5e doigt, métacarpe: 42; 46.8, 43.5
- 1ère phalange: 12.5,; -, 13
- 2e phalange: 18; -, 18
queue: 30; 31, -
tibia: 23; 23.5, 23
pied, sans griffe: 12.5; 12, 12
oreille, longueur: 29; 32.5, 32
- largeur: 22; -, 26
feuille nasale, long; 22; -, (18)
fer-à-cheval, larg; 12; -, (13)
crâne:
longueur totale: 23.8; 25.9, -
long, condylobasale: 21.1; 23.3, -
longueur basaie (C): 18.0; 20.7, -
pont palatal: 3.4; 3.6, 3.4
largeur zygomatique: 10.6; 11.2, -
largeur mastoïde: 10.8; 12.0, -
larg. interorbitaire: 2.7; 2.6, 2.7
largeur M^3-M^3: 8.0; 8.2, 7.5
largeur C-C: 5.7; 5.9, 5.4
longueur C-M^3 (alv.): 7.6; 8.2, 7.9
longueur C-M^3 (cour.): 8.1; 8.9, 8.3
longueur P^4-M^3: 6.0; 6.3, 6.2
long, mandibule: 15.1; -, 15.9
longueur C-M_3: 8.3; -, 8.7

Le pont palatal comme chez *ruwenzorii* est remarquablement long; il représente environ 45 % de la longueur de la rangée dentaire C-M^3. C'est un caractère propre au groupe *philippinesis*.

p. 104

Au maxillaire supérieur I^1 a une couronne plate, usée; il est fort possible que cette dent était bifide à l'état jeune, comme chez *ruwenzorii*. P^2 est situé au bord externe de la rangée dentaire et sépare C de P^4. Très petite, cette dent n'arrive pas à la hauteur du cingulum de C. Chez le type de *ruwenzorii*, P^2 est plus développé, mais c'est un caractère quelque peu variable, car chez *ruwenzorii* de Butembo, la dent est moins développée. P^4, M^1, M^2, et M^3 sont semblables chez *hilli* et *ruwenzorii*.

Au maxillaire inférieur, I_1 est bicuspide, mais probablement tricuspide à l'origine (dispartion par usure de la cuspide centrale), plus petit que I_2. I_2 est bicupside à droite et tricuspide à gauche. P_3 est minuscule et déporté en dehors de la rangée dentaire, de sorte que P_2 est en contact avec P_4; chez *ruwenzorii*, P_3 sépare encore un peu P_2 de P_4. P_2 est plus petit que la 1/2 de P_4.

Il est évident que ces constatations, basées sur un très petit nombre de spécimens, ne seront peut-être pas confirmées lorsqu'on disposera de plus de matériel.

Remarques. - Dans sa revision des *Rhinolophus* du groupe *philippinensis*, Andersen n'avait connaissance pour l'Afrique que de l'espèce *maclaudi* Pousargues, qu'il incluait sans hésiter dans ce groupe d'espèces orientales. Laurent, lui, concluait que *maclaudi* constituait un type africain archaïque isolé, n'entrant pas dans l'un des groupes d'Andersen, n'ayant donc pas d'affinités avec des espèces d'Asie. On connaît maintenant 9 spécimens de *maclaudi*, provenant tous de la Guinée, aux environs de Conakry.

Il me semble que les conclusions d'Andersen restent valables, surtout depuis que l'on connaît l'existence d'une deuxième espèce de ce groupe en Afrique, soit *Rhinolophus ruwenzorii*, décrit par Hill en 1942 et retrouvé à plusieurs reprises dans la région du Mt Ruwenzori et de l'Ituri. Il y a actuellement huit spécimens de *ruwenzorii*: le type F de la Butahu Valley, 1 F de R. Mahoma, 3 MM du Mt Hoyo, 3 spécimens de Butembo, du Mt Hoyo et de la cave de Matata. Tous ces spécimens proviennent du Zaïre (ancienne Province du Kivu), sauf celui de la R. Mahoma qui est de l'W de l'Ouganda.

L'étude morphologique indique des affinités certaines avec les espèces orientales du groupe *philippinensis*. La nouvelle espèce décrite ci-dessus vient encore confirmer ces affinités. A mon avis, il s'agit de types archaïques reliques, maintenant isolés, mais ayant une origine commune avec les espèces orientales du groupe *philippinensis*. Andersen a subdivisé son groupe en trois sections: aucune des espèces africaines ne cadre exactement dans l'une de ces sections, mais elles répondent parfaitement à la définition même du groupe.

Rhinolophus hilli est nettement plus proche de *ruwenzorii* que de *maclaudi*. Il est possible, qu'à la lumière de nouvelles observations basées sur un matériel plus abondant, on doive considérer le *hilli* seulement comme une sous-espèce de *ruwenzorii*. Cela n'a d'ailleurs pas de grande importance. Par contre, il me semble impossible d'entrer dans les vues de Hayman et Hill, qui pensent que *maclaudi* et *ruwenzorii* pourraient être conspécifiques. La structure et la forme différentes des feuilles nasales et des oreilles, pour ne parler que de ces formations externes, ne peuvent pas être des caractères subspécifiques.

Biologie. - Les rares spécimens de *maclaudi* et de *ruwenzorii* dont on connaît l'origine précise, proviennent de grottes. Le type de *hilli* a été capturé au filet dans une forêt de montagnes. Il s'agit d'une F adulte portant un embryon de 15 mm.

Rhinolophus keniensis Hollister, 1916

p. 2

Type from west side of Mount Kenia, British East Africa, at 7,000 feet altitude. United States National Museum No. 166352, adult male in alcohol with skull removed. Collected August 27, 1909, by Edmund Heller. Orig. No. 1154.

Description. - A small member of the *Rhinolophus augur* group, differing from *R. a. zambesiensis* in the small size of the nose-leaf (greatest width of horse-shoe, 6.8; compared with 8.0-8.3 in *zambesiensis*), shorter forearm, and shorter tibia. Skull somewhat larger, with slightly more robust teeth, than in *zambesiensis*.

Measurements of type. - Forearm, 52 mm.; tibia, 21; greatest length of ear from anterior margin, 18.9; greatest width of ear, 12.2; third finger metacarpal, 34.8; first phalanx, 17.4; fourth metacarpal, 39.5; first phalanx, 11.3; fifth metacarpal, 40.3; first phalanx, 12.8. Skull: Greatest length, 22.8; condylobasal length, 20.4; zygomatic breadth, 12; postorbital constriction, 3; mastoid breadth, 10.7; mandible, 15. Teeth: Canine to m^3, 8.6; breadth across upper canines, 6.6; greatest breadth across upper last molars, 8.4; lower canine to m_3, 9.

Remarks. - This new bat is readily separable from all the other species of *Rhinolophus* known from British East Africa by the combination of narrow horse-shoe, hairless sella, and position of small upper premolar entirely without the tooth row. It is doubtless a northern representative of *R. augur*, and perhaps it intergrades directly into *R. a. zambesiensis*. Doctor Lönnberg and Mr. Oldfield Thomas have recorded *R. a. zambesiensis* from Kilimanjaro, but I am not aware that a member of the group has up to now been noted in British East Africa.

Specimen examined. - One, the type.

Rhinolophus landeri guineensis Eisentraut, 1960

p. 1

Material: 10 Exemplare, 1 M, 3 FF (Tgb. Nr. 27-30), 5.X.1956, nahe Tahiré, am Fuße des Kelesi-Plateaus. - 1 M, 1 F (Tgb. Nr. 121, 126), 19.XI.1956, nahe Nyembaro am Salung-Plateau, 12 km westlich Kolente. - 2 MM, 2 FF (Tgb. Nr. 133, 136-138), 23.XI.1956, bei Darsalam am Kankuja-Plateau, 8 km westlich Kolente.

Diese neue Form stimmt in den wesentlichen Merkmalen mit von mir am Kamerunberg gesammelten Stücken von *Rh. landeri landeri* Martin überein, zeichnet sich aber durch größere Körper- und Schädelmaße aus und zeigt darin gewisse Übereinstimmung mit der im Kongogebiet und in Ost- und Südostafrika lebenden Subspezies *lobatus* Peters. Ferner sind die bei den MM vorkommenden Drüsenhaarbüschel unter der Achsel nicht bräunlich getönt, sondern rein weiß. Es scheint daher berechtigt, diese westlichste Form als besondere Subspezies abzutrennen. Ich schlage für sie den Namen *guineensis* vor. Soweit ich die Literatur überblicke, sind die von KNORR gesammelten Stücke der Erstnachweis der Art für Guinea.

Typus: M ad. (Tgb. Nr. 28), 5.X.1956, Tahire am Fuße des Kelesi-Plateaus, etwa 500 m Meereshöhe, KNORR leg., Staatliches Museum für Naturkunde Stuttgart, Katalog-Nr. 6103. Kopf-Rumpf-Länge: 50 mm, Schwanz: 26 mm, Ohr: 17 mm, Hinterfuß: 8.5 mm, Unterarm: 44.3 mm, gesamte Schädellänge: 20.6 mm, Jochbogenbreite: 10 mm, maxillare Zahnreihe: 7.3 mm, Mandibellänge: 13.3 mm, mandibulare Zahnreihe: 8 mm.

In Tabelle l sind die Körper- und Schädelmaße für *guineensis* angegeben und den entsprechenden Maßen der Nominatrasse und der Rasse *lobatus* Peters (= *axillaris* J. A. Allen, vgl. HAYMAN in SANDERSON) gegenübergestellt. Fast sämtliche Durch-

p. 2

schnittswerte von *guineensis* liegen höher als die von landeri, dagegen berühren oder überschneiden sich die Maximum- und Minimumwerte sehr häufig. Besonders auffallend ist die größere Länge der Tibia und ferner die höheren Werte für die gesamte Schädellänge, die Mastoidbreite, die Mandibellänge und die Länge der oberen und unteren Zahnreihe. In Abb. 1 kommen die unterschiedlichen Schädelmaße zum Ausdruck. Bei der Gegenüberstellung der Guinea-Rasse mit der Rasse *lobatus*, für die in der Literatur nur verhältnismäßig wenige Angaben vorliegen, ist die weitgehende Übereinstimmung der Unterarm- und Tibialänge festzustellen.

In Übereinstimmung mit der bedeutenderen Körpergröße sind auch die an den frischtoten Tieren festgestellten Körpergewichte bei *guineensis* mit 9.1 (8 - 11) g wesentlich höher als bei *landeri* (von Kamerun) mit 6.2 (5 - 7) g.

Entsprechend der größeren Schädelmaße bei *guineensis* gegenüber *landeri* ist auch das Gebiß kräftiger entwickelt. Hervorzuheben ist die relative Kleinheit von P_1, der ähnlich wie bei *alcyone* höchstens die halbe Länge von P_3 erreicht, während er bei meinem Material von *landeri* aus Kamerun (EISENTRAUT 1956, vgl. auch die Angaben von AELLEN bis zu $^2/_3$ der Höhe von P_3 ansteigt. Im übrigen aber entsprechen die Zahnproportionen denen der Nominatrasse.

Weitgehende Übereinstimmung zwischen *guineensis* und *landeri* besteht hinsichtlich der Ausbildung des Nasenaufsatzes, lediglich übertreffen bei erstgenannter Form die absoluten Maße - entsprechend den allgemein größeren Körpermaßen - die von *landeri*. Während z. B. die Breite des Hufeisens bei einem Alkoholstück von *guineensis* 9 mm beträgt, erreicht sie bei *landeri* nur etwa 7 mm.

p. 3

Die Färbung der mir vorliegenden Guinea-Stücke läßt oberseits eine Variation von dunklerer zu hellerer graubräunlicher Tönung erkennen (nach RIDGWAY von Clove Brown über Olive Brown zu Tawny Olive). Ein Stück (Nr. 136) zeigt eine blaßrotbraune Fellfärbung, jedoch ist auf der hinteren Rückenmitte eine sich stark abhebende, dunkelgraue Haarpartie vorhanden (vielleicht Jugendmauser?), bei einem weiteren Stück (Nr. 126) ist diese Färbungstendenz in ganz schwach angedeuteter Form ebenfalls zu erkennen. Die Unterseite zeigt die übliche fahle Aufhellung.

Bei den bisher bekannten Formen der Art wurde eine charakteristische rotbraune Färbung der Achseldrüsenhaare (soweit vorhanden) bei den MM hervorgehoben. Im Gegensatz dazu zeigen drei MM von *guineensis* zwar ebenfalls die Ausbildung eines solchen Haarschopfes, dieser ist aber reinweiß und hebt sich von den umliegenden grauen Haarpartien scharf ab. Einem M (Nr. 39) fehlt dieses Merkmal ganz (vielleicht jugendliches Exemplar).

Das F Nr. 133 (Alkohol) besitzt deutlich ausgeprägte, gleichlange Afterzitzen; sein Uterus ist in völligem Ruhezustand, die Uterushörner jedoch sind gut entwickelt, und zwar das rechte etwas stärker als das linke.

Die von Herrn KNORR gesammelten Stücke wurden während der Tagesruhe in Felshöhlen erbeutet, wo sie zusammen mit anderen Fledermausarten (*Rhinolophus denti, maclaudi, foxi, Hipposideros caffer, jonesi, Nycteris aethiopica* und *gambiensis*) vorkommen. Die Fundplätze befinden sich nahe den Orten Tahiré, Nyembaro und Darsalam in einem etwa 150 km von der Küste (Conakry) entfernt liegenden Gebiet von Südkindia.

Rhinolophus lobatus Peters, 1852

p. 41

Tafel IX. Tafel XIII. Fig. 16, 17.

Rh. colore opace umbrino, subtus pallidiore; alis nigrofuscis; auriculis elongatis, ellipticis, acuminatis, parum excisis, lobulo alto; plica transversali prosthematis superiore distincte lobata; deutibus molaribus superioribus utrinque quinis, inferioribus senis; metacarpo digiti quarti longiore quam digiti quinti; alis usque ad tarsum porrectis.

Longitudo tota 0,085; caudae 0,026; antibrachii 0,045; volatus 0,290.

Habitatio: Africa orientalis, Sena, Tette, 17° Lat. Aust.

Die Ohren sind elliptisch, zugespitzt, um ein Fünftel kürzer als der Kopf; der Einschnitt zwischen der Ohrmuschel und dem Ohrlappen ist gering; der Ohrlappen selbst ist hoch, an beiden Ecken gleichmäfsig abgerundet, an seiner äufsern Fläche so wie die Ohrmuschel über zwei Drittel behaart. Das Hufeisen zeigt drei concentrische falten; die vordere Querfläche des Sattels ist etwas unter der Mitte zusammengedrückt, biscuitförmig; die vor der Lanzette sich erhebende Spitze ist dreieckig, so lang wie die Querfläche; die Lanzette ist länger als breit, nach unten gleichmäfsig, ohne vorspringende Seitenlappen, erweitert; die Scheidewand zwischen dem mittleren und oberen Zellenpaar ist zu beiden Seiten lappenartig abgesetzt. Auf den vorspringenden Falten des ganzen Nasenbesatzes finden sich zerstreute borstenförmige Haare. Das Maul ist abgerundet, bis unter den hintern Rand des Hufeisens gespalten; die Lippen haben in der Mille einen nackten wulstigen Rand; die innere Fläche

der Oberlippe ist jederseits durch einen grofsen warzigen Vorsprung ausgezeichnet. Die kleinen Augen stehen doppelt so weit von der Schnauzenspitze wie von den Ohren entfernt. Am Gaumen sieht man sieben quere Schleimhautfalten, drei vordere gröfsere, entfernter von einander stehende, und vier hintere, weniger hervorragende und näher an einander gedrängte; die letzte derselben ist grade und ungelheilt, die übrigen bilden doppelte in der Mitte zusammenstofsende Bögen. Die Behaarung des Körpers ist an der Rückenseite länger als an der Bauchseite. Die Pha-

p. 42

langen des Daumens sind ganz frei. Das Mittelhandglied des vierten Fingers ist das längste von allen, wie bei *Rh. hippocrepis*, Hermann, und das des dritten Fingers das kürzeste, wie bei allen bis jetzt bekannten Arten der Gattung *Rhinolophus* im engern Sinne. Die erste Phalanx des vierten Fingers ist sehr kurz, weniger als halb so lang wie die erste Phalanx des dritten Fingers. Die zweite Phalanx des fünften Fingers ist um die Hälfte länger als die erste desselben. Alle vier unbenagelten Finger tragen ein kurzes knorpeliges Endglied. Die Flughäute gehen bis zur Fufswurzel herab; sie sind oben nackt, an der Bauchseite dagegen zwischer Oberschenkel und Oberarm mit zerstreuten langen Härchen bewimpert. Der Schwanz ist um ein Viertel länger als der Unterschenkel, und ragt mit seinem kurzen knorpeligen Endgliede aus der Schenkelflughaut hervor; das vierte und fünfte Endglied sind die längsten und von gleicher Gröfse. Die Schenkelflughaut ist oben und unten bis zum vierten Endglied mit zerstreuten Haaren bewimpert. Die Spornen sind nur sehr schwach. Die Nägel der Zehen sind ein wenig länger und gekrümmter als die Daumenkralle.

Die Farbe des Rückens und der Halsseiten ist braun, wie die eines dunklen Umbers und die Bauchseite zeigt ganz denselben Farbenton, aber viel blasser und verwaschen. Die Haare sind sämmtlich einfarbig, nur werden die Rückenhaare nach dem Grunde zu alle mählig immer blasser. Die kleinen Haarbüschel auf der Unterseite der Flughäute, welche selbst von schwarzbrauner Farbe sind, erscheinen weifslich. Die Ohren sind von der Farbe der Flughäute. Das Gesicht ist um das Hufeisen herum dunkler. Die Nägel sind gelblich.

Der Schädel (Tafel XIII. Fig.16. 17), obgleich beträchtlich gröfser, nähert sich in seine Gestalt am meisten dem von *Rhinolophus hippocrepis* Herm.; auch der Fortsatz des Unterkieferwinkels hat dieselbe horizontale Lage und fast rechtwinkelig abgehende Richtung wie bei dieser kleinen europäischen Hufeisennase. Der kleine obere erste Lückenzahn ist aber nicht lang und spitzig, sondern ganz niedrig und ragt mit seiner stumpfen Spitze nicht über den Rand der benachbarten Zähne hervor, und im Unterkiefer findet sich zwischen den beiden falschen Backzähnen noch ein ganz kleiner nach aufsen gedrängter Zahn, so dafs die Zahl der untern Backzähne sich im Ganzen auf sechs beläuft. Die Formel des Gebisses ist daher bei diesem Thiere $^{3\,2}/_{3\,3}\,^{1}/_{2}\,^{1}/_{4}\,^{1}/_{1}\,^{2\,3}/_{2\,3} = 32$. Die Wirbelsäule besteht aus 7 Halswirbeln, 11 Rückenwirbeln , 7 Lendenwirbeln, 3 Kreuzbeinwirbeln und 11 Schwanzwirbeln. Die beiden ersten Rippen sind mit dem letzten Halswirbel und mit den beiden ersten Rückenwirbeln verwachsen, die vier folgenden verbinden sich durch normale Zwischenstücke mit dem Brustbein, und die siebente und letzte wahre Rippe steht durch ein sehr breites plattes Knochenstück mit demselben in Verbindung. Der Magen ist kugelförmig und geht zunächst in einen weiten Darm über, der sich gegen die Mitte seiner Länge plötzlich um die Hälfte verengert, und erst nahe vor seinem Ende sich wieder etwas erweitert. Die Länge des Darmcanals ist 145 Millim. Die Leber ist dreilappig, und trägt unter dem mittleren Lappen eine gestreckte hirnförmige Gallenblase. Die Milz ist $3^{1}/$ Mm. breit, und etwa dreimal so lang wie breit. Die Nieren sind ungelappt, bohnenförmig, an ihrem oberen Ende etwas dicker als um unteren. Die Ruthe des Männchens

p. 43

enthält einen 3 Mm, langen Knochen. Die Luftröhre bildet unter dem Kehlkopf eine kleeblattförmige blasige Erweiterung. Die Lungen bestehen jederseits nur aus einem einzigen unregelmäfsig quadratischen Lappen, dessen Ecken sehr spitz ausgezogen sind.

Von dieser Art besitze ich vier Exemplare, Männchen und Weibchen, von denen eins aus Tette, drei aus Sena herstammen. Die aus Sena wurden unter dem vorstehenden Dache eines alten Gebäudes gefunden. Nach dem Inhalte des Magens und Darmcanals zu urtheilen, besteht ihre Nahrung aus Insecten.

Mafse in Millimetern.

	Fem.;	Fem.;	Mas.
Lange von der Schnauze bis zur Schwanzspitze:	80;	80;	85
Flugweite:	290;	295;	290
Länge des Kopfes:	20;	20;	20
Länge oder Höhe des ganzen Ohres:	16;	16;	16
Breite des Ohres:	12;	13;	12
Länge des ganzen Nasenbesatzes:	11;	11;	12
Breite des Nasenbesatzes:	$7^{1}/_{4}$;	7;	7
Länge des Oberarms:	$27^{1}/_{2}$;	27;	27
Länge des Vorderarms:	$44^{1}/_{2}$;	46;	45
Länge d.1.Fg. (Mittelh. 4, 4, 4, 1.Gl. 3, 3, $3^{1}/_{2}$. 2.Gl. $1^{1}/_{2}$, $1^{1}/_{2}$, 2):	$8^{1}/_{2}$;	$8^{1}/_{2}$;	$9^{1}/_{2}$
Länge d.2.Fg. (Mittelh. $30^{1}/_{2}$, 35, $33^{1}/_{2}$. 1.Gl. $^{1}/_{2}$, $^{1}/_{2}$, $^{1}/_{2}$):	34;	$35^{1}/_{2}$;	34
Länge d.3.Fg. (Mittelh. 29, 32, $30^{1}/_{2}$. 1.Gl. 13, $14^{1}/_{2}$, $14^{1}/_{2}$. 2.Gl. 23, 25, 24. 3.Gl. $1^{1}/_{2}$, $1^{3}/_{4}$, 2):	$66^{1}/_{2}$;	$73^{1}/_{4}$;	71
Länge d.4.Fg. (Mittelh. 33, 36, 34. 1.Gl. $5^{1}/_{2}$, $6^{1}/_{2}$, 7. 2.Gl. $14^{1}/_{2}$, 16, 16. 3.Gl. 1, 1, 1):	54,	$59^{1}/_{2}$;	58
Länge d.5.Fg. (Mittelh. 32, $34^{1}/_{2}$, $32^{1}/_{2}$. 1.Gl. 9, $9^{1}/_{2}$, $9^{1}/_{4}$. 2.Gl. 13, $14^{1}/_{4}$, $13^{1}/_{4}$. 3.Gl. 1, $1^{1}/_{4}$, $1^{1}/_{4}$):	55,	$59^{1}/_{2}$;	57
Länge des Oberschenkels:	18;	19;	19
Länge des Unterschenkels:	18;	19;	19
Länge des ganzen Fufses mit den Krallen:	$9^{1}/_{2}$;	10	10
Länge des Schwanzes:	24;	25;	26
Länge des Sporns:	10;	10;	10

Die in der Diagnose angegebenen Kennzeichen characterisiren diese Art hinreichene, um sie von den verwandten africanischen Formen zu unterscheiden. *Rh. capensis*, Lichtenstein, hat nur vier obere Backzähne, die Flughäute lassen einen Theil des Schienbeins frei und das Mittelhandglied des fünften Fingers wird nicht vom vierten überragt. *Rh. clivosus*, Rüppell, hat zwar dieselbe Form der Backzähne, aber die Farbe ist röthlich, die Form des Nasenbesatzes und das Verhältnifs der Gliedmalsen

verschieden. *Rh. fumigatus*, Rüppell, welche in der Gröfse mit unserer Art übereinstimmt, weicht durch Färbung, durch die noch gröfsere Verlängerung des Vorderarms, und, da sie mit *Rh. cliovsus* sonst übereinstimmen soll, auch in dem Verhältnifs der Millelhandglieder und in dem Bau der Lanzette von derselben ab.

Rhinolophus Maclaudi Pousargues, 1898

p. 358

Parmi les Mammifères nombreux et intéressants recueillis par M. le Docteur Maclaud dans l'île de Conakry, sur les côtes de la Guinée française, se trouvait un Cheiroptère du genre *Rhinolophus* présentant un ensemble de caractères qui le distinguent nettement de toutes les autres formes congénériques.

Cette nouvelle espèce est de grande taille, plus grande que toutes celles signalées jusqu'à présent sur le continent africain, car elle dépasse en dimensions le *R. Hildebrandti* (Pet.) de l'Afrique orientale et ne le cède à cet égard qu'au géant du genre, le Rhinolophe deuil, *R. luctus* (Tem.), des hautes terres de l'Inde continentale et archipélagique. Sa taille n'est pas le seul caractère qui la rapproche des grandes espèces indiennes pour lesquelles Gray avait créé lés sous-genres *Aquias* et *Phyllotis*; elle leur ressemble

p. 359

aussi par le mode de conformation de la feuille nasale et en particulier de la selle ou partie centrale. Cette dernière peut être comparée, dans son ensemble, au pétale labellé de certaines fleurs: sa portion basilaire est cordiforme; chacune de ses deux ailes symétriques s'élève d'abord verticalement au-dessus de la cloison nasale, puis s'étale et s'épanouit latéralement et enfin s'incurve en haut vers son bord supérieur, de manière à ménager entre elles une cavité assez profonde en forme de coupe évasée, analogue à celle que l'on remarque chez les *R. mitratUs* (Blyth) et *R. philippinensis* (Wat). La partie supérieure de la selle, bien développée en longueur comme en largeur, dessine une sorte de languette dirigée en haut et en avant. Un autre caractère spécial à cette nouvelle espèce consiste dans le mode de structure de la partie antérieure de la feuille nasale ou fer à cheval, qui, sur son bord interne longeant extérieurement chacun des orifices nasaux, se redresse verticalement en une lame membraneuse assez élevée, qui vient doubler de chaque côté, comme un calice, l'espèce de corolle formée par la portion basilaire de la selle. Enfin je signalerai tout particulièrement la longueur démesurée des conques auditives, dont les dimensions relatives sont énormes et qui, au point de vue absolu, dépassent même en longueur, celles du *R. luctus*, le mieux pourvu sous ce rapport.

La diagnose de cette espèce remarquable peut être résumée de la façon suivante:

La partie terminale ou supérieure de la feuille nasale, bien développée,

p. 360

triangulaire, remonte presque verticalement jusqu'entre les oreilles et présente latéralement les trois replis et les vacuoles ordinaires. La partie antérieure horizontale de la feuille ou fer à cheval est large, légèrement échancrée au milieu de son bord antérieur et surplombe toute 1a lèvre supérieure; le long de son bord interne attenant aux narines elle se relève de chaque côté en une lame verticale très développée dont les amorces descendent en s'atténuant graduellement vers son bord antérieur.

La portion basilaire de la selle est cordiforme, creusée en coupe, beaucoup plus large que sa portion supérieure verticale (section b' *du Synopsis de Dobson*), chacune de ses ailes s'étalant latéralement et se relevant ensuite verticalement. La partie supérieure de la selle a la forme d'une languette dressée, assez longue, et conserve la même largeur jusqu'à son sommet, arrondi et recourbé en avant. La lame membraneuse verticale (*posterior connecting process*) qui rattache cette languette à la partie supérieure de la feuille est concave, peu élevée et n'atteint même pas son sommet. La lèvre inférieure ne présente qu'un seul sillon médian peu profond. Les oreilles sont énormes, d'un quart plus longues que la tête et hors de proportion avec la taille de l'animal; leur bord interne, garni près de la base d'un duvet rare et court, est régulièrement convexe jusqu'au sommet assez peu aigu, légèrement arrondi et dirigé en dehors; leur bord externe, un peu échancré et concave dans le quart supérieur, devient ensuite régulièrement convexe. A l'intérieur se voient douze replis parallèles très accentués. L'antitragùs, très élevé, est séparé du bord externe par une encoche profonde et anguleuse; sa surface bosselée présente en haut une partie bombée et convexe, plus bas une dépression circulaire profonde formant cuvette; son bord supérieur, arrondi et convexe, se replie en dehors en s'enroulant en ourlet; son bord antérieur, profondément concave, vient se terminer comme un soc au-dessous et au niveau de l'œil. La membrane alaire, très développée, de'un brun sombre, prend ses attaches aux malléoles. La queue est relativement courte, et sa pointe extrême dépasse un peu la membrane interfémorale. Celle-ci est de grandeur médiocre, triangulaire en arrière et relativement moins développée que chez le *R. luctus*.

Le pelage est doux, bien fourni, mais assez court, d'un blond châtain uniforme, un peu plus clair sur la face inférieure du corps.

La première prémolaire supérieure est petite, peu élevée, assez distante de la canine, au contraire très rapprochée de la deuxième prémolaire,

p. 361

contre laquelle elle est accolée. La deuxième prémolaire inférieure est très réduite, enchâssée dans l'angle qui sépare les premiére et troisième prémolaires et pincée par conséquent un peu en dehors de la rangée dentaire.

Le seul spécimen recueilli par M. le Docteur Maclaud est une femelle adulte, prise pendant la période d'allaitement, comme l'indiquent ses mamelles extrémement turgides. Sur la région pubienne se voient les deux appendices tétiniformes ordinaires.

Ses principales dimensions sont les suivantes:

Longueur de la tête et du corps: 96^{mm}0
- de la queue: 41 0
- de la tète: 33 0
Dimensions de la feuille nasale: 26 X 16 0
Longueur totale de la selle: 14 0
Largeur maximum de sa partie basale: 9 5
Largeur de la partie supérieure ou languette: 5 0
Longueur de l'oreille, de la base de son bord interne au sommet: 44 0
Longueur de l'antitragus, de la pointe de son bord externe au sommet: 17 0
Longueur de l'avant-bras: 68 0
- du métacarpien du 3^{e} doigt: 47 0
- de la 1re phalange du 3^{e} doigt: 23 0
- de la 2^{e} phalange du 3^{e} doigt: 36 0
- du métacarpien du 5^{e} doigt: 50 0
- de la 1re phalange du 5^{e} doigt: 17 0
- de la 2^{e} phalange du 5^{e} doigt: 22 0
- du tibia: 31 0

Cette espèce, que je dénommerai *Rhinolophus Maclaudi* en l'honneur de M. le Docteur Maclaud, a été prise sur l'île même de Conakry, mais elle doit se rencontrer également un peu plus au large, sur les îles de Los, et d'autre part, sur les côtes et dans l'hinterland de nos possessions de la Guinée française; elle vient grossir le nombre, assez restreint du reste, des espèces du même genre, dans cette partie de l'Afrique où l'on n'a encore signalé que le *R. alcyone* (Tem.), le *R. fumigatus* (Rüpp.) et le *R. clivosus* (Rüpp.).

Rhinolophus Martini Fraser, 1843

p. 25

Mr. Fraser exhibited and described a new species of Bat, belonging to the genus *Rhinolophus*, and four new species of Birds from Western Africa.

Rhinolophus Martini. *Rhin. auribus magnis apud frontem inter se spatio angusto sejunctis; rostro fossá oblongá supernè, anticè quatuor appendiculis carneis, vix elevatis (duobus utrinque), tectd*:

p. 26

prosthemate nasali longitudinalitèr diviso; fossá frontali posticè culmine semicirculari dense vellere induto, collimetatá; caudá longá et cartilagine bifurcá terminatá; patagio ad pedes basim solummodó ducto: colore cinereo-fusco, subtùs canescente.

unc. lin.
Long. tot.: 3 5
Volatús amplitudo: 10 0
---- latitudo maxima: 2 4
Antebrachium: 1 6
Auris: 0 9
Cauda: 1 7

Hab. Fernando Po.

This species of *Rhinolophus* is remarkable for having the complicated fleshy appendages of the muzzle divided in the longitudinal direction. Each half of this apparatus is composed of two leaflets, the margins of which are free, though but little elevated; the foremost of these is shaped somewhat like the human ear, and terminates in front in a small prominent lobe, which is situated over the opening of the nostril; the second or hindermost leaflet on each side approaches to a circular form. Upon separating these four leaflets a large pit is observable on the upper surface of the muzzle, and the hinder margin of this pit terminates in a nearly semicircular and slightly elevated fleshy ridge, which is densely clothed with fur. The ears are large, rounded at the extremity, but inclining to a pointed form, and separated from each other on the top of the head by a space of about two and a half lines in width; on the inner side, and towards the base, is a narrow oblique ridge: the tragus is about two and a half lines in length, narrow, rounded at the extremity, and somewhat dilated near the base on the outer margin. The wing and interfemoral membranes join the foot at the base; the latter extends to the extremity of the tail, which terminates in a bifurcated cartilage; numerous minute papillæ are observable on the margin of the interfemoral membrane. The general colour of the animal, in spirit, is gray-brown, but with an ashy tint on the under parts of the body, and is darker than that of the *Rhinolophus Hipposideros* of authors.

Rhinolophus micaceus de Winton, 1897

p. 524

Rhinolophus micaceus, sp. n.

Colour above and below dark soft rich purplish brown, flecked with silver-grey. The fur is so fine that it is difficult to see if the hairs are truly annulated ; but as the silvery speckling comes and goes as the animal is turned in the light, it appears to arise wholly from the glint of the light on the brown fur. It is not possible to give particulars of noseleaf, the specimen being dried. Length of fur on the back 11.5 millim.

Measurements taken in flesh by collector: -

Head and body 90 millim.; tail 23; hind foot 17; ear 26; forearm 69.

Skull : greatest length 28 millim.; greatest breadth 15.3; breadth of brain-case 11.5; intertemporal constriction 3.9; basal length 22.9; between tips of canines 6.5; length of entire tooth-row 10.5.

Type (F): Como River, 75 miles from Gaboon, 6th July, 1897.

Collected by Mr. G. L. Bates.

Rhinolophus ruwenzorii J. Eric Hill, 1942

p. 1

TYPE. - Amer. Mus. Nat. Hist. 82394, F adult, alcoholic with skull removed. Brought in by natives with a *Rousettus lanosus* from a cave, December 24, 1926, south side of Butahu Valley, western slope of Mount Ruwenzori, altitude 7,500 feet.

DIAGNOSIS. - Like *Rhinolophus maclaudi* Pousargues (1897, Bull. Mus. d'Hist. Nat., Paris, III, pp. 358 - 361, 2 figs.) from French Guinea, but smaller, with lateral margins of nostrils less developed and with less concavity in the anterior margin of the antitragus. Skull with relatively broader braincase, shorter palatal bridge, more abrupt nasal swellings and narrower zygomatic spread.

Rhinolophus ruwenzorii is larger in body than *R. aethiops* or *R. hildebrandti*, but the measurement of the forearm is approximately as in these species.

The noseleaf is quite unlike that of any African species except *R. maclaudi*, and it differs from the noseleaf of that form only in minor details: lateral margins of the nares form a low ridge, rather than "coming to double, as a chalice, the sort of corolla formed by the basal part of the sella" (Pousargues, describing *R. maclaudi*); horseshoe more widely divided anteriorly and without the shallow emarginations near the medial side of the anterior margin.

The ears are much like those of *R. maclaudi* but differ in details: notch separating the antitragus less acute; anterior concavity of the antitragus less marked; terminal plowshare-like process ("soc," described and figured by Pousargues) obsolete in the new form.

Pelage abundant and soft, about 13 mm. long on the shoulders. Coloration (possibly faded after 15 years in alcohol): upperparts darker than Bister; underparts near Benzo Brown; wings and ears near Fuscous-Black. (Names of colors in capitals from Ridgway, 1912, "Color Standards and Color Nomenclature.") *R. maclaudi* was described as light chestnut ("blond chatain"); it appeared darker than this in 1937, more like our specimen.

SKULL. - Similar to that of *R. maclaudi* (examined and photographed in 1937, while studying material in European museums under a grant from the Carnegie Corporation of New York), but smaller (13 to 20 per cent in most measure-

Rhinolophus ruwenzorii, Rhinolophus maclaudi
n. sp., Pous.
Type, Type,
AMNH 82394, Paris 1897-981
F ad., F ad.
Butahu Valley, Conakry Isl. Fr. Guinea
EXTERNAL MEASUREMENTS:
Head and Body: 67.0, 96.0
Tail: 31.0, 41.0
Hind foot (s.u.): 12.0, -
Tibia: 23.5, 31.0
Ear (from notch): 32.5, 44.0
Forearm: 57.0, 68.0
Digit II, Metacarpal: 43.4, 50.3
Digit III, Metacarpal: 40.0, 47.0
lst phalanx: 18.5, 23.0
2nd phalanx: 32.0, 36.0
Digit IV, Metacarpal: 45.0, 50.8
Digit V, Metacarpal: 46.8, 50.0
SKULL:
Greatest length: 25.9, 30.9
Basal length: 20.7, 25.3
Palatal bridge: 3.6, 4.5
Zygomatic breadth: 11.2, 14.0
Lacrimal breadth: 7.1, -
Temporal constriction: 2.6, 3.1

Mastoid breadth: 12.0, 13.8
Front of orbit to prosthion: 9.3, -
Height of occiput: 5.9, 7.2
Outside breadth across tooth row M^3-M^3: 8.2, 10.0
Maxillary alveoli: 8.2, 10.2
Crowns P^4-M^3: 6.3, 8.1

ments) with relatively broader brainease (mastoid-basal index 58 rather than 54.5) and less spreading zygomatic arches (their spread less than, rather than greater than, mastoid breadth). Nasal swelling more pronounced and abrupt; intertemporal "neck" shorter; maxillary root of

p. 2

zygoma weaker than in *R. maclaudi*; palatal bridge shorter. A well-developed pit between the posterior roots of the pterygoid plates in both species.

DENTITION. - Cheek teeth smaller; upper incisor bifid; P^2 in toothrow, but minute, about as high as cingulum of C^1; M^1 with poorly developed hypocone, this is little more than a cingulum in M^2 (the molars are similar in *R. maclaudi*); lower incisors tricuspate, the medial pair smaller, overlapping lateral ones; P_3 minute, "squeezed" laterally between P_2 and P_4; the former large, squarish in outline from above, about threefourths as high as P_4.

The palatal ridges are most like Seabra's schema for *R. hipposideros* (Jorn. Sci. Math. Phys. Nat., Lisbon, [21 V, pp. 248-252), but the second ridge runs between the minute first premolars, and the last four ridges are incomplete medially.

Rhinolophus silvestris Aellen, 1959

p. 228

Type. - M adulte, en alcool. Grotte de N'Dumbu, Lastoursville, Gabon, 4.8.1957; coll. P. Strinati et V. Aellen. Muséum d'Histoire naturelle de Genève, n° 965.40.

p. 229

Cette nouvelle espèce a été signalée par SANBORN (1953) sous le nom de *Rhinolophus f. fumigatus* Rüppell. L'auteur américain a examiné un spécimen M provenant de la grotte de Bongolo, près de Lébamba, Gabon; il l'a comparé à neuf *R. fumigatus* typiques du British Muséum et l'a trouvé identique, à part une rangée dentaire plus longue et une largeur maxillaire plus grande. Il est curieux que le biotope de forêt équatoriale, opposé à celui de savane ou de steppe de *R. fumigatus*, n'ait pas attiré l'attention de SANBORN. Les mensurations publiées par ce dernier montrent à l'évidence que son spécimen appartient à ma nouvelle espèce. En fait, les différences existant entre le Rhinolophe du Gabon et *R. fumigatus* ne permettent même pas d'attribuer le premier, en qualité de sous-espèce, au second.

Il est probable que *R. silvestris* a été confondu parfois sous le nom de *Rhinolophus ferrumequinum* (Schreber). Ainsi, un nouvel examen du spécimen "u" provenant du Gabon, que DOBSON (1878) classe sous ce nom, montrera très probablement qu'il s'agit de la nouvelle espèce.

Diagnose. - *Rhinolophus* de taille plutôt grande (avant-bras 50 mm, long, du crâne 23,4 mm). Feuille nasale à connectif à sommet arrondi et très bas, ne dépassant pas le processus vertical (dossier) de la selle; fer à cheval large (10 mm) recouvrant tout le museau. Troisième métacarpe réduit, inférieur à

p. 230

90% du cinquième métacarpe. P^2 très réduit et externe, de sorte que C et P^4 sont presque en contact. P_3 tout à fait rudimentaire, non fonctionnel; P_2 et P_4 se touchent.

Description. - Les oreilles atteignent le bout du museau, lorsqu'elles sont rabattues en avant; elles sont peu acuminées; l'antitragus est séparé du pavillon par une encoche à angle droit ou un peu obtus; le bord externe est sinueux, un peu concave avant le sommet; le bord interne est convexe dans la partie basale, droit au sommet. La feuille nasale est large et recouvre tout le museau; le fer à cheval est fortement échancré au milieu et un peu festonné sur les bords; l'échancrure n'est pas accompagnée, de chaque côté, d'une petite dent, comme PETERS (1867) l'indique pour *R. deckeni*. La selle est large (3,2 mm) et son processus vertical (dossier) étranglé au milieu, il mesure 1,9 mm de large au sommet. La pointe du connectif est très basse et largement arrondie. La lancette est en forme de triangle équilatéral; ses côtés sont droits, à peine concaves vers le sommet. Il y a un seul sillon au milieu de la lèvre inférieure. Le patagium s'insère à la cheville. Le troisième métacarpe est réduit, c'est-à-dire qu'il mesure moins des 90 % du cinquième métacarpe, exactement dans les mêmes proportions que chez *R. deckeni*. Les deuxième phalanges du troisième et du quatrième doigt sont relativement courtes: elles mesurent respectivement moins du double des premières phalanges. La queue est assez longue et mesure plus de la moitié de la longueur de l'avant-bras.

La coloration est tout à fait semblable à celle de *R. ferrumequinum* (Schreber).

Le crâne présente un renflement nasal bien prononcé. Les palatins s'arrêtent, en avant, au niveau de la moitié antérieure de M^1. La première prémolaire supérieure (P^2) est très réduite et externe; la canine et la seconde prémolaire (P^4) sont presque en contact. La réduction de P^2 est toutefois moins accentuée que chez *R. fumigatus* et semble du même ordre que chez *R. deckeni*. A la mandibule, la première prémolaire (P_2) est très basse, bien que de section appréciable; elle n'atteint pas la

moitié de la hauteur de la troisième prémolaire (P_4). La seconde

p. 231

prémolaire (P_3) est tout à fait rudimentaire, non fonctionnelle et externe; P_2 et P_4 sont en contact.

Remarques. - Il n'est pas étonnant que cette espèce ait été confondue par SANBORN avec *R. fumigatus*. Elle lui ressemble beaucoup, du moins superficiellement: la feuille nasale et les caractères dentaires sont très semblables. Cependant, on peut relever les différences essentielles suivantes:

	R. silvestris	*R. fumigatus*
Longueur de l'avant-bras:	environ 50 mm,	51 à 56 mm
Longueur du 3e doigt:	76,5 à 80 mm,	82,2 à 96 mm
Longueur du 3e métacarpe par rapport au 5e:	inférieur à 90 %,	supérieur à 90 %
Longueur de la queue:	super, à la moitié de l'avant-bras,	infér. À la moitié de l'avant-bras
3e doigt, 1re phalange:	super, à la moitié de la 2e phal.,	infér. À la moitié de la 2e phal.
4e doigt, 1re phalange:	super, à la moitié de la 2e phal.,	infér. À la moitié de la 2e phal.

D'autre part, les proportions du crâne ne sont pas les mêmes. Le crâne de *R. silvestris*, qui est plus court que celui de *R. fumigatus*, présente une série dentaire C-M^3 plus longue et une largeur maxillaire M^3-M^3 plus large. P^2 est moins rudimentaire, semble-t-il, chez *silvestris* que chez *fumigatus*.

La répartition géographique actuellement connue de *Rhinolophus f. fumigatus* Rüppell comprend l'Erythrée, l'Ethiopie, le Soudan[1], les Somalies anglaise et italienne, le Kenya, le Tanganyika[2], la Rhodésie du Nord. D iverses formes ont été rapportées à *R. fumigatus*, en tant que sous-espèces ou synonymes:

aethiops Peters, 1869. Loc. Typ.: SW Africain.
= *R. f. aethiops*, sec. ELLERMAN, MORRISON-SCOTT et HAYMAN (1953).

macrocephalus Heuglin, 1877. Loc. Typ.: Ethiopie.
= *R. f. fumigatus*, sec. ANDERSEN (*Ann. Mag. Nat. Hist.* (7) 14: 453, 1904).

p. 232

antinorii Dobson, 1885. Loc. Typ.: Ethiopie.
= *R. f. fumigatus*, sec. ANDERSEN (*Ann. Mag. Nat. Hist.* (7) 14: 453, 1904).

exsul Andersen, 1905. Loc. Typ.: Kenya.
= *R. f. exsul*, sec. ANDERSEN (Ann. Mag. Nat. Hist. (7) 15: 74, 1905).

eloquens Andersen, 1905. Loc. Typ.: Ouganda.
= *R. aethiops eloquens*, sec. SANBORN (*Zool. Ser. Field Mus. Chicago* 24: 42, 1939).
= *R. f. eloquens*, sec. ELLERMAN, MORRISON-SCOTT et HAYMAN (1953).

Il y aura lieu, certainement, d'assimiler encore les formes suivantes à *Rhinolophus fumigatus*:

foxi Thomas, 1913. Loc. Typ.: N Nigeria.
abae J. A. Allen, 1917. Loc. Typ.: Uelé, Congo belge.
perauritus de Beaux, 1922. Loc. Typ.: Somalie.
diversus Sanborn, 1939. Loc. Typ.: Sénégal.

Rhinolophus silvestris a, comme plus proche parent, non pas *R. fumigatus*, mais *R. deckeni* Peters (1867). Ce dernier n'est malheureusement pas bien connu. La localité typique est la côte NE du Tanganyika, face à l'île de Zanzibar; la description de PETERS est assez sommaire et seules les mensurations externes sont données. DOBSON (1878) rapporte *R. deckeni* à *R. ferrumequinum* (Schreber). THOMAS, en 1910, cite *R. deckeni* à Rombo (Tanganyika), mais quelques années plus tard, il précise que la détermination est erronée et qu'il s'agit de *R. augur zambesiensis*. Par contre, dans le même travail, THOMAS (1913) dit que le British Muséum possède un bon exemplaire de *R. deckeni*, provenant du Kenya (près de Mombasa); il en donne même une mesure crânienne; il le compare à sa nouvelle espèce, *R. foxi*, en précisant que ce dernier est "evidently a western représentative of *R. deckeni*". On a vu, plus haut, que je rattache *R. foxi* à *fumigatus*. Ceci montre bien l'étroite ressemblance de ces formes. Enfin, *R. deckeni* a été récemment signalé à Kisolo, en Ouganda[3]. En résumé, on ne connaît de

p. 233

la répartition géographique de *R. deckeni* que trois localités de l'Afrique orientale: côte du Tanganyika opposée à Zanzibar, près de Mombasa (Kenya) et Kisolo (Ouganda).

D'après les mesures publiées, *R. deckeni* est une espèce nettement plus grande que *R. silvestris* (cf. table des mensura-

p. 234

tions), mais en présentant tous les caractères essentiels, aussi bien externes que dentaires, pour autant que permettent d'en juger la description originale et les précisions de THOMAS (1913). Nous pouvons reprendre l'expression de ce dernire, à propos de *R. foxi*, en la modifiant ainsi: *R. silvestris* est très probablement le représentant forestier de *R. deckeni*, auquel il sera peut-être possible de le rattacher comme sous-espèce, lorsque l'on connaîtra mieux ce dernier.

Rhinolophus silvestris semble localisé au Gabon. Les régions forestières, assez bien prospectées du S du Cameroun et du bassin du Congo, n'ont fourni aucun Rhinolophe référable à la nouvelle espèce.

Dans le tableau de mesures ci-dessous, j'ai indiqué celles données par SANBORN (1953) pour son "*R. f. fumigatus*" du Gabon; on peut constater qu'elles sont presque identiques à celles du type de *silvestris*. A titre de comparaison, j'ai mis en parallèle les mesures de *R. deckeni*, selon PETERS (1867) et THOMAS (1913) et celles de *R. f. fumigatus* trouvées dans la littérature.

p. 235

Rhinolophus silvestris: M type, M SANBORN; *Rhinolophus deckeni* F type; *Rhinolophus f. fumigatus* (min - max)

Avant-bras: 49, 50.3; 55; (51 - 56)
3e doigt, métacarpe: 33, 35.2; 37; (35.6 - 42)
" 1re phalange: 16, 16.7; 19; (15.8 - 18)
" 2e phalange: 27.5, 28; 34; (29.5 - 36)
4e doigt, métacarpe: 37, 39.2; 42; (37 - 44)
" 1re phalange: 9.5, 9.8; 11; (9 - 11)
" 2e phalange: 16.5, 16.7; 19.8; (18 - 24)
5e doigt, métacarpe: 38, 40.2; 43; (38.6 - 45)
" 1re phalange: 11, 11.6; 13; (12.1 - 14)
" 2e phalange: 14.5, 15.4; 18.8; (13.5 - 17)
Tibia: 19.5, 21.4; 25; (20.3 - 23)
Pied (avec griffes): 11, -; 15; (10.5 - 11.5)
Queue (de l'anus): 28, 32; 29; (21 - 27)
Oreille (longueur): 22, 21.9; 23; (20.3 - 26)
Feuille nasale (long.): 15, -; 17.2; (17 - 18)
Fer à cheval (larg.): 10, -; 11; (9.5 - 10.2)
Crâne:
Long. tôt. (prémaxill.): 23.4, -; -; (-)
" " (à la canine): 22.8, 22.4; -; (24)
" condylobasale (C): 20, 19.6; -; (-)
" naso-occipitale: 19, -; -; (-)
" palatale: 2.8, 2.8; -; (-)
Larg. renflement nasal: 6, 6; -; (6)
" interorbitaire: 2.4, 2.5; -; (3)
" zygomatique: 11.6, 11.8; -; (12)
" mastoïde: 10.7, 10.6; -; (11)
" C-C (externe): 6.8, 6.4; -; (-)
" M^3-M^3 (externe): 8.5, 8.7; -; (8 - 8.4)
Long, rangée dentaire C-M^3: 8.7, 8.6; -; (7.7 - 8.3)
" " " P^4-M^2: 5.1, -; 5.8; (-)
" mandibule: 15.6, -; -; (16.3)
" rangée dentaire I-M_3: 9.9, -; -; (-)
" " " C-M_3: 9.2, -; -; (9.2)

footnotes:
[1] Voir THEODOR, O., *Parasitology* 47: 478, 1957.
[2] Voir SWYNNERTON, G. H., *Annual Report of thé Game Département 1953, Dar es Salam*: 55, 1954.
[3] Voir JOBLING, B., *Rev. Zool. Bot. afr.* 50: 101, 1954.

Rhinolophus simulator K. Andersen, 1904

p. 384

Short diagnosis. - Small upper premolar separating the canine and posterior premolar. In outer aspect somewhat like a peculiarly small and long-tailed *Rh. capensis*. Forearm 43.5-45 mm.

Nose-leaves. - Horseshoe as in *Rh. capensis*; underlying leaf distinct, under the margin of the horseshoe. Sella longer (higher) and slightly broader than in *Rh. capensis*; constriction below the middle very shallow; lateral margins subparallel in their upper half; summit broadly rounded off; width at summit equal to half the vertical height of sella.

* I am very glad to see these facts in perfect accordance with the zoogeographicial subdivision of this part of S. Africa as proposed, five years ago, by Professor Matschie in his admirable book 'Die Megachiropteren des Berliner Museum für Naturkunde' (Berlin, 1899, p. 40).

p. 385

[table removed - eds.]

p. 386

Posterior connecting-process very short, rounded off above, scarcely projecting beyond the summit of sella (this kept in vertical position). Margins of lancet abruptly narrowed; tip of lancet behind constriction with slightly converging (nearly parallel) margins, about 2 mm. in length.

Ears. - Large; reaching far beyond the tip of the muzzle, when placed along the sides of the head. Tip of ears obtusely pointed, as in *Rh. capensis*. Outer margin strongly concave below tip. Notch on outer margin shallow, obtuse. Extreme width of ear somewhat greater than the distance from notch to tip.

Wings. - General form as in *Rh. capensis*, but all dimensions markedly smaller. 4th metacarpal slightly longer than 5th. In the folded wing the tip of the 1st joint of 4th finger reaches very nearly the posterior point of the elbow; tip of 1st joints of 3rd and 5th fingers slightly beyond. Plagiopatagium inserted at basal [corrected on paper in tarsal - eds.] joint.

Tail. - Considerably longer than in *Rh. capensis*, uropatagium therefore much broader. Hinder margin of uropatagium, between tips of calcars, square (concave in *Rh. capensis*) on account of the shorter tail). Tip of tail projecting about 1 mm.

Colour (1 skin). - Exactly as in Rh. augur. Length of hairs on middle of back about 8 mm. Young individuals (1 skin) considerably duller than adult ones; details exactly as in *Rh. augur*, juv.

Skull. - Very different from that of *Rh. capensis*: - Much smaller. Nasal swellings unusually prominent; nasal region deeply hollowed out behind swellings; for both these reasons the facial portion of the skull, from the swellings to crista sagittalis, more concave than in *Rh. capensis*. Palatal bridge much broader: median anterior point opposite front of m^1, in *Rh. capensis* opposite middle of the same molar.

Dentition. - Widely different from that of *Rh. capensis*: - Distance between tips of upper canines 3.8 mm., in *Rh. capensis* 5 mm. Upper canine and p^4 distinctly separated from each other, also internally; distance between tips of these teeth 2.1 mm.; in *Rh. capensis*, although the skull is much larger, 1.9 mm. Upper p^2 placed in the tooth-row, with a minute cusp distinctly projecting above the cingulum of canine. Highest cusp of p^4 somewhat more than half the height of canine. Inner lobes of molars less developed than in *Rh. capensis*: m^2 as long as broad, in *Rh. capensis* decidedly broader than long. Right p_3 extremely minute, in the outer angle formed by the cingula of p_2 and p_4;

p. 387

cingula of these latter in immediate contact internally; left p_3 wanting, without any trace of the alveolus.

Type. - M ad. (in alcohol). Mazoe, Mashonaland, collected by J. ff. Darling, Esq. B.M. no. 2.2.7.10.

Distribution. - Besides the type specimen I have seen only two skins, from the same locality and the same collector.

Remarks. - Owing to our still very defective knowledge of the Ethiopian *Rhinolophi*, the true affinities of this interesting species are somewhat obscure. I have compared it with *Rh. capensis*, only because it, by quite superficial inspection, could be taken for a curiously small and long-tailed form of that species. The totally different skull and dentition prove that it, in fact, has nothing to do with *Rh. capensis*, but, most probably, is to be regarded as an aberrant member of the *Rh. Landeri* group. It cannot be confounded with any other species; *Rh. Landeri, lobatus*, and *Denti* may, apart from many other differences, at once be distinguished by their very narrow sella.

Measurements.
M ad, type; M ad, typical locality
Nose-leaves: mm. mm.
Front of horseshoe to posterior point of lancet: 13.7; -
Extreme width of horseshoe: 8.3; -
Width of sella at base: 2.4; -
" " summit: 2.2; -
Ears:
Base of inner margin to tip: 20; -
Notch on outer margin to tip: 13.2; -
Extreme width: 14.5; -
Wings:
Forearm: 43.5; 45
3rd finger, metacarpal: 30; 30.8
" 1st joint: 13.6; 14.5
" 2nd joint: 22.9; 22.8
4th finger, metacarpal: 33.2; 34
" 1st joint: 8.1; 8
" 2nd joint: 14.8; 13
5th finger, metacarpal: 32.2; 33.3
" 1st joint: 10.7; 10.5
" 2nd joint: 12.5; 12
Tail, from anus: 25.7; -
Tibia: 19.2; -
Skull:
Basal length: -; 15.1
Extreme width of brain-case: -; 9.1
Zygomatic width: -; 9
Maxillar width across outer margins of m^3: -; 6.2

p. 388

Skull (con.):
Orbital constriction: -; 2.4
Palatal bridge: -; 2.7
Med. post, point of palate to front of premaxilla: -; 6
Med. post, point of palate to for. magnum: -; 9.1
Mandible: condyle to front of incisors: -; 12.3
Teeth:
Front of upper canine to back of m^3: -; 7
Front of lower canine to back of m^3: -; 7.5

Rhinolophus swinnyi Gough, 1908

p. 71

Two skins of an apparently new species of *Rhinolophus* were found in a small collection of skins prepared by Mr. H. H. Swinny, Ngqeleni, District W. Pondoland, which I propose to describe under the name.

Rhinolophus swinnyi, n. sp.

Size very small, not as large as the smallest yet known South African species of the genus.

Posterior upper praemolar separated from the canine, which is very large, anterior praemolar very small, in the tooth row, towards its outer side.

[Fig 1 & 2 - removed]

Horizontal portion of sella narrow, upper margin of the posterior connecting process rising above the sella, forming a marked projection, rounded terminally; sides of the vertical process of the sella parallel above, summit truncated with rounded off sides. Antitragal notch very shallow.

Horse shoe large, circular, its anterior margin notched in the centre; lancet moderate, its sides strongly concave, covered posteriorly with fur similar to that on the rest of the head, anteriorly somewhat less dense. Ears of medium size, the under edge convex in the distal half, then concave, convex again proximally, the concave portion very short. Tip sharply pointed, upper half of the outer margin concave,

p. 72

antitragal notch very shallow, lobe strongly convex. Hind limbs slender. Wings from the ankle. Interfemoral membrane finely finged posteriorly.

Fur close and fine, about 7 mm. long on the back. General colour mouse grey, lighter below, individual hairs ash grey with brown tips. Membranes dark brown or black, interfemoral membrane with a fringe of grayish hairs.

Dimensions of Type

Forearm, 40 mm.; "head and body, 42 mm.;" "tail, 18 mm.;" "ear, 18 mm.;" noseleaf, 10.5 by 6.5; lower leg and foot, 25 mm.; "foot, 8 mm."

The measurements in inverted commas were taken in the flesh by the collector.

Skull : Greatest length, 17 mm.; basal length to front of canines, 14.2 mm.; breadth of braincase, 6 mm.; front of upper canine to back of m^3, 6.4 mm.; front of lower canine to back of m^3, 6.8 mm.; from palatial notch to front of incisors, 5.8 mm.; width from the outside of m_3, 6.5. Length of free portion of canine, 2.5 mm.

Type, adult male (dried skin), in the Transvaal Museum.
The co-type, also a male, is slightly larger; forearm, 40.7; "head and body, 42 mm.;" "tail, 19 mm.;" "hindfoot, 8 mm.;" "ear, 18 mm."

Rhinolophus swinnyi rhodesiae Roberts, 1946

p. 304

Structurally similar to *R. swinnyi swinnyi* Gough, from Port St Johns, Pondoland, in respect of the flying integument starting from near the ankles and in its small size; but the tail a little longer, ear shorter and in colour bright ochraceous orange, the upper parts of body darker than the lower on account of the presence of dark-tipped hairs; the skull is slightly smaller than in the typical subspecies.

It has been previously recorded as *R. denti* (*Ann. Transv. Mus.* IV, 180; 1914).

Measurements of the type, and, in brackets for comparison, of eight specimens of *R. swinnyi swinnyi*: Head and body 52 (42 - 45); tail 22 (18 - 19); ear 15 (16 - 18). Forearm 40 (40 - 42); 3rd finger metacarpal 28.3 (27.9 - 29); 1st phalanx 12.5 (13 - 13.5); 2nd phalanx 22 (23 - 24); 4th finger metacarpal 31.5 (30.5 - 32.3). Tibia and foot (c.u.) 24 (25 - 25.5). Skull, greatest length from canines 17 (17.2 - 17.6); dorsal median length 14.7 (14.5 - 15); zygomatic width 8.3 (8.6 - 8.9); width of brain case at mastoid 8.5 (8.5 - 8.9); width across m^3 6.3 (6.2 - 6.4), across canines 4.2 (4.1 - 4.4)•

Type: T.M. No. 1325, adult F, Bezwe River, tributary of Wanetsi River, Southern Rhodesia.

Rhinolophus tridens E. Geoffroy Saint-Hilaire, 1813

p. 260

J'ai donné le nom de *trident* à ce rhinolophe, en l'empruntant de sa feuille qui est terminée par trois pointes bien distinctes; le fer à cheval; ou cette membrane située au-devant des narines, existe dans cette espèce, et dans les autres rhinolophes, tout comme dans les précédens: mais la feuille offre bien moins de complication: ce n'est qu'une lame formant bourrelet à sa base par l'effet d'un repli, et dont la partie moyenne, en-vertu de la même cause, fait corps avancé sur les bords latéraux placés plus en arrière.

Les oreilles sont plus larges que dans les précedens rhinolophes et en même temps moins fermées sur le devant: ce qui tient à une bride tégumentaire qui les attache en partie au chanfrein.

La queue est fort courte et, de plus, remarquable en ce qu'elle est dans un tiers de sa longueur, libre au-delà de la membrane interfémorale; celle-ci est coupée carrément et supplée à ce qui lui manque en longueur par plus de largeur

p. 261

Les principales dimensions du rhinolophe trident sont les suivantes.

Longueur du corps 0^m,055; - de la queue 0^m,024; - de l'envergure 0,240; - de la membrane interfémorale 0,006; - largeur de celle membrane 0,060.

J'ai trouvé ce rhinolophe en Egypte, et je l'ai figuré dans le grand Ouvrage sur l'Egypte; art. des Mammifères, pl. 2, n°. I.

Rhinopoma cystops Thomas, 1903

p. 496

Size comparatively small (forearm averaging about 52 millim., and rarely attaining 55). Nose-leaf more developed than in *R. microphyllum*. Ears proportionally large, the frontal band joining them particularly high. Tail very long and slender, longer than the forearm.

p. 497

Skull small, narrow and delicate (greatest length 16 - 17 millim., as compared with 19 - 20 in *R. microphyllum*); muzzle with two inflated projections, one on each side of and above the nasal opening, with a longitudinal groove between them. In *R. microphyllum* this region is almost flat, and its angles, although thickened, are not conspicuously inflated. Sagittal crest but little developed, not connected anteriorly with the nasal projections.

Dimensions of the type (an adult female, measured in spirit before skinning): -

Forearm 53 millim.

Head and body 53; tail 59; hind foot (s. u.) 11.5; ear 17.

Skull: greatest length 16.7; basal length 14; occipito-nasal length 14.5; zygomatic breadth 10; breadth of brain-case 7.2; front of canine to back of m^3 5.6.

Hab. (of type). Luxor, Lower Egypt. Other specimens from many Egyptian localities, southwards to Gebel Auli, Soudan (*H. F. Witherby*). Examples from Palestine (*Tristram*), Midian (*Burton*), and Aden (*Percival & Dodson*) are also assignable to *R. cystops*.

Type. Adult female. B.M. no. 2.1.17.2. Collected and presented by the Hon. N. Charles Rothschild.

Not only, however, are these two Egyptian species distinct from each other, but the members of the genus elsewhere appear to fall into two groups corresponding to them both in external proportions and in the characters of the skull.

To the first or *microphyllum* group, besides the type species, whose range extends from Egypt and Palestine (*Tristram*) to Persia (*Witherly*), there belongs the large form described below as *R. sumatræ*.

To the second, besides *cystops* itself, the species recognizable are *Hardwickei* from India and *muscatellum* from Muscat.

Apart from the differences in size and length of tail that separate the two groups, the species are very like each other externally; but the skull-characters are in all cases most obvious, and leave no room for doubt as to the distinctness of the various forms.

Rhinopoma hardwickei sennaariense Kock, 1969

p. 40

... Nach freundlicher Mitteilung von Dr. K. F. KOOPMAN existiert der Typus zu *sennaariense* FITZINGER (nec emendatio HEUGLIN 1877) im Mus. Wien und ist nach seiner Untersuchung eindeutig hardwickei zugehörig: dieser Name wird damit zum ältesten für eine Population verfügbaren. Da der geographische Begriff Sennar sehr verschieden Landschaft oder Provinz verstanden und gebraucht wurde, deren Grenzen Geschichte wechselten, beschränke ich den Fundort des Typus ausnahmsweise zweite Herkunftsangabe FITZINGER'S, Unter Fazogli wurde zwar ebenfalls Distrikt verstanden, der jedoch bedeutend geringere Ausdehnung als „Sennar" Ortschaft Fazogli (heute Fazughli) liegt am linken Ufer des oberen Blauen Nim am Fuß des gleichnamigen Berges.

Rhinopoma Lepsianum Peters, 1859

p. 222

Rhinopoma Lepsianum n. sp.; supra dilute cinnamomeum, subtus flavidum; cranium regione interorbitali cordiformi, concava, intumescentiis anteorbitalibus nullis.

Long, a rostri apice ad caudae basin 0,076; caudae 0,066; cap. 0,026; antibr. 0,070; crur. 0,026; exp. alar, 0,360.

Diese Art, welche von Hrn. Lepsius am blauen Nil entdeckt wurde, ist nicht allein durch viel beträchtlichere Grösse und andere Färbung, sondern auch durch eine andere Gestalt des Schädels von *Rh. Microphyllum* verschieden. Bei letzterer ist der Schädel jederseits vor und über den Augenhöhlen durch eine bereits von Geoffroy beschriebene blasige Auftreibung aus-

p. 223

gezeichnet, welche bei dieser neuen Art ganz fehlt. Auch ist das Foramem infraorbitale bei dieser letzteren viel grösser und von länglicher Gestalt.

Rhinopoma microphyllum tropicalis Kock, 1969

p. 58

Typus: Jebel Talao, 2 km NE von Kadugli (Kordofan), 550m, 12.11.1963; M jung ad. (Balg, Schädel und Skelett): SMF 33265.

Paratypoide: Fundort wie Typus, 13.X.1962, 12.11.1963, 6.1.1965; 4 M, 1 F, alle ad. (2 Bälge und Schädel mit Skeletten, 3 in alc., Schädel herauspräpariert): SMF 33198-33200, 33214-33215.

Körpermaße des Typus: KR 79, Schw 73.2, Ohr 22.9, Hf 15.8, Tb 30.0, Ua 71.5, 2.F 82.5, 5.F 67.3, Spw 409.

Schädelmaße des Typus: Crn 21.0, Cbl 19.4, Mast 10.5, Hk 9.6, Zyg 12.7, c-c^1 5.4; M-M^3 9.6, C-M^3 7.2, lor 2.6, Ukf 15.4, C-M_3 8.1.

Körpermaße der Typeserie: KR 79 - 86 (M 81.2), Schw 64.9 - 74.5 (M 72.3), Ohr 21.1 - 22.9 (M 22.1), Hf 15.5 - 16.4 (M 15.9), Tb 20 - 30 (M 28.9), Ua 70.2 - 74.0 (M 72.5), 3.F 76.° - 84.8 (M 80.9), 5.F 66.4 - 71.3 (M 68.7), Spw 404 - 422 (M 412).

Schädelmaße der Typenserie in Tabelle 9.

Diabnose: Die neue Unterart *tropicalis* unterscheidet sich von *R. m. microphyllum* aus Unter-Ägypten durch bedeutendere Größe un allen Körper-

p. 59

und Schädeldimensionen. Der Schwanz ist relativ länger, in den meisten Fällen länger als der Unterarm. Die Größe der Hinterfüße ist übereinstimmend. Die Mesopterygoid-Gruben sind breit u-förmig. - Trotz des Geschlechtsdimorphismus ist das einzige Weibchen größer als männliche Stücke anderer Populationen. Die Färbung (SETZER 1952, HARRISON 1964a) ist nicht grau, sondern bräunlich, Unterseiten nicht weißlich, sondern heller braun.

Die Unterart *sumatrae* kommt *tropicalis* in der Größe am nächsten, ist jedoch im Mittel kleiner mit relativ kürzerem Schwanz und dunkler brauner Färbung; die Mesopterygoid-Grube ist spitz v-förmig.

Die Unterart *kinneari* ist in der Färbung am ähnlichsten, doch durch alle übrigen genannten Merkmale unterschieden, also ebenfalls durchschnittlich kleiner mit einer mehr v-förmigen Mesopterygoid-Grube.

tropicalis ist von allen bisher gefundenen Unterarten von *Rhinopoma microphyllum* geographisch getrennt. Das von ROSEVEAR (1965) aus Nigeria beschriebene Exemplar rechne ich ebenfalls zu *tropicalis*.

THOMAS (1903b) scheint keine *Rhinopoma microyphyllum* aus dem Sudan untersucht zu haben, da sich bei ihm nur die "Egyptian Pyramids" als einziger afrikanischer Fundort finden, was umso überraschender ist, da gerade im Brit. Mus. ein *microphyllum*-Exemplar vom Jebel Aulia (leg. WITHERBY 1900) aufbewahrt wird (HARRISON in litt.). - Meine Nachforschungen ergaben weitere Stücke von *microphyllum* aus Kordofan (im BM, HARRISON in litt.), worauf sich wahrscheinlich schon DOBSON (1878) bezieht, vom Jebel Azraq bei Omdurman (Coll. HARRISON) und aus dem Gebiet 10 miles N von Khartoum (HAPPOLD in litt., 1967). Dieses bisher bekannte Material ist insgesamt zur Unterart *tropicalis* zu rechnen.

Aus Sennar meldet AELLEN (1957) ebenfalls *microphyllum* (leg. 1846) (Anm. Verf.: ? evtl. von KOTSCHY). Die Identität dieses Einzelstückes bedurfte einer Überprüfung. Dr. AELLEN ,(Genf) teilte mir freundlicherweise einige Maße mit (Ua gebrochen, jedoch über 63, 3.F 83.5, 4.F 70, 5.F 69, Schw 60) und machte mir die Angabe, daß er dieses Stück nach WROUGHTON (1912a) determiniert habe. Auf Grund der bereits geschilderten Variationsbreite und der teilweisen Unsicherheit von WROUGHTON's Auffassungen war es bisher nur vermutlich als *microphyllum* anzusehen. Die angegebenen Längen der Finger sind nahezu identisch mit den Mittelwerten des vorliegenden Sudan-Materials und bestätigen die Zuordnung.

Rhinopterus Miller, 1906

p. 85

Rhinopterus gen. nov. (Vespertilionidæ).

Type. Glauconycteris floweri de Winton.

Characters. Externally like a small *Vespertilio*, but upper surface of forearm, tail, and tibia thickly sprinkled with pointed, horny excrescences resembling those on edge of ear in some *Molossidæ*, but larger. Skull differing from that of *Vespertilio* in the much greater relative breadth of anterior portion of braincase, shorter, lower rostrum, and in the form of the upper toothrows, which are more concave on inner side and more convergent anteriorly.

Species. Rhinopterus floweri (de Winton).

Rhinopterus lowei Thomas, 1915

p. 559

Larger than *R. floweri*; white instead of buffy below. General characters as in *R. floweri*, but size, as gauged by

p. 560

skull, distinctly larger. Colour apparently, judged by spirit-specimens, very much as in *R. floweri* above, but the whole under surface is entirely white, while in the type of *R. floweri* it is buffy, "light buff" posteriorly, and "warm buff" on the throat ahd chest.

Skull much larger than in *R. floweri*, the muzzle less shortened in proportion to the brain-case.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 40 mm.

Head and body 45; tail 36; ear 12.5; third finger, metacarpal 36.5, first phalanx 11.5; lower leg and hind foot (c.u.) 12.

Skull: greatest length 13.5; condyle to front of canine 12.9; zygomatic breadt 9; interorbital breadth 4.6; intertemporal breadth 3.2; palato-sinual length 5.3; front of canine to back of m^3 5.

Hab. Sudan. Type from the Blue Nile, 20 miles above Sennar.

Type. Adult male. B.M. no. 15.3.6.70. Collected 13th December, 1913, by Willoughby P. Lowe.

Mr. Willoughby Lowe obtained five specimens of *Rhinopterus* at different localities on the Blue and White Nile. On examination of the skulls these prove all to belong to a larger form of the genus than *R. floweri*, living side by side with the latter in the same area - a phenomenon not unusual with the smaller bats. The *Rhinopterus* obtained by Dr. A. F. Wollaston at shendi, and referred to in Anderson and de Winton's 'Mammals of Egypt,' also belongs to this larger form. Whether the difference in the colour of the under surface is constant remains to be seen.

Rousettus aegyptiacus thomensis Feiler, Haft and Widmann, 1993

p. 22

Holotypus: MTD, B 16753, M, São Tome, bei Generosa, ca. 800 m ü. NN, 26.3.1991, Balg und Schädel.

p. 23

Paratypen: M, São Tome, bei Generosa, ca. 800 m ü. NN, MTD, B 16750, 27.3.1991, B 16751, 28.3.1991, Balg und Schädel; Staatl. Museum für Naturkunde Stuttgart, 8 1803, 1989, in Alkohol. F, Sao Tome, bei Generosa, ca. 800 m ü. NN, MTD, B 16752, 20.4.1991, B 16754, 19.4.1991, Balg und Schädel, B 1675.5, 26.3.1991, in Alkohol.

Diagnose: Die Tiere von São Tome besitzen eine extrem dunkle Oberkopffärbung, die sie von den Tieren des nahen westafrikanischen Festlandes unterscheiden. Morphometrisch gleichen sich beide Formen nahezu, wie ein Vergleich mit EISENTRAUT (1963) und seinem Material ergab. - Bemerkenswert ist das Vorkommen einer eigenen Fledermausfliegenart (*Eucampsipoda iterfacta* KOCK, 1993).

Das Gaumenfaltenmuster für die Exemplare von São Tome stimmt mit jenen des Festlandes überein (EISENTRAUT, 1976). Von uns untersuchte 4 MM und 4 FF hatten vom je 4 durchgehende Falten, gefolgt von je 4 unterbrochenen Falten mit Ausnahme eines M, das nur 3 unterbrochene Falten besaß. Die letzte, das Muster abschließende Falte war immer durchgehend. Die Formel lautet folglich: 4 - 4/3 - 1. Interessanterweise hatte EISENTRAUT (1963), wie wir auch, bei annähernd gleich vielen Exemplaren eine Farbmutante dabei: ein extrem helles und rotbraunes Tier. - Da Gewichtsangaben bei anderen Autoren meistens fehlen, teilen wir die folgenden für unser Material mit: 8 MM, 130 - 170 g, Mittelwert 153 g; 3 FF, 130 - 145 g, Mittelwert 135 g.

Nach einem Nachweis der Art (FEILER, 1984) schlossen sich weitere 1989 durch J. HAFT und J. FAHR und später 1991 durch alle Teilnehmer unserer São Tome-Reise an. Sie ist von der Küste bis in die Berge hinein verbreitet, nur auf der Spitze des Pico de São Tome haben wir sie nicht beobachtet. In der Bucht von Angra Toldo befindet sich ein *Rousettus*-Quartier. Die Höhle ist von See aus gut zu sehen und nur schwer zugänglich. Es ist eine Meeresgrotte, die am Wasserspiegel etwa 1.5 m breit ist und bis in eine Höhe von 7 bis 8 m reicht, wo sie spitz ausläuft.

R. aegyptiacus thomensis war des Nachts sowohl durch seine klickemden Ultraschall-Laute als auch durch kreischende Soziallaute auszumachen. Große Mengen von Höhlenflughunden fanden sich allabendlich in fruchtenden Brotfruchtbäumen nahe der Hauptstadt ein. In Gefangenschaft bevorzugten die Tiere Nektarersatz als Nahrung. Die bevorzugten Fruchte sind hier Mango und noch leicht grüne Bananen. In Mägen freilebender Tiere fanden wir Samen, die wahrscheinlich von *Musanga* spec. stammten. Die Flughunde nahmen auf São Tome auch im Lager herumliegende Papayas und Bananen auf.

Nach HAFT fingen sich die 1991 gefangenen Tiere (32 Ex.) an zwei verschiedenen Fangorten und bei annähernd gleichem Wetter zu unterschiedlicher Zeit: in São Nicolau ausschließlich vor 0 Uhr, meist zwischen 20 und 22 Uhr, in Cascata verstreut über die Nacht, viele jedoch erst gegen Morgen.

Die angesaugten Zitzen mehrerer gefangener Weibchen (26. u. 28.3.) lassen auf Jungtiere schließen. Ein flugfähiges Jungtier wurde im Juni 1983 auf São Tome in einem knapp über dem Boden hängenden Netz gefangen. FAHR hatte in Makokou (Gabun) am 2. und 3. Oktober relativ kleine Jungtiere vorgefunden (Unterarmlänge etwa 80 mm). EISENTRAUT (1963) stellte in Kamerun Ende November ein neugeborenes Jungtier fest, einige Weibchen waren zu dieser Zeit trächtig. Trächtige Weibchen fand er ebenfalls im Januar. Unsere Beobachtungen bestätigen einmal mehr, daß die Art keine eng begrenzte Fortpflanzungszeit hat.

Rousettus angolensis ruwenzorii Eisentraut, 1965

p. 3

Typus: M ad, Ruwenzori East, 5000 ft., März 1906, R. E. Dent leg. (British Museum Natural History, London, Nr. 6.12.4.1.). Kopf-Rumpf = 117, Schwanz = 13.5, Hinterfuß = 17.5, Ohr = 24.5, Unterarm = 76, Tibia = 31; größte Schädellänge = 43.1, Hirnkapselbreite = 16.1, Jochbogenbreite = 25.8, Interorbitalbreite = 6.9, Intertemporalbreite = 8.0, maxillare Zahnreihe = 16.7, Breite über oberen C = 9.0, Breite über oberen M = 13.3, Mandibellänge = 33.5, mandibulare Zahnreihe = 19.,0.

Die Ruwenzori-Rasse, von der ich im Britischen Museum außer dem zum Typus ausgewählten Stück 6 weitere Exemplare (2 MM ad,3 FF ad, 1 F sad), vergleichen konnte, stellt also die größten Vertreter des Rassenkreises. Außerdem zeichnet sie sich durch ihre besondere Langhaarigkeit gegenüber der Nominatrasse aus, wohingegen die mir zur Verfügung

p. 5

stehenden Stücke der Rasse *smithi* von Guinea besonders kurzhaarig sind. Im Durchschnitt beträgt die Länge der Rückenhaare bei *smithi* von Guinea 8 mm, bei *angolensis* von Kamerun 8.5 - 9 mm, bei *angolensis* von Fernando Poo 9 - 10 mm und bei *ruwenzorii* vom Ruwenzori East 11 - 12mm.

In Abb. l kommt die unterschiedliche Schädelgröße der 3 Rassen noch einmal deutlich zum Ausdruck. Ferner ist in Abb. 2 die an dem vorhandenen Material festgestellte Variationsbreite der Korrelation von größter Schädellänge: Jochbogenbreite graphisch wiedergegeben. Diese Darstellung veranschaulicht noch einmal die fortlaufende Größenentwicklung der einzelnen Populationen von West nach Ost.

Entsprechend der Zunahme der Schädelmaße finden wir auch eine Zunahme der Zahngröße. Die durchschnittswerte der Zahnmaße sind in Tabelle 2 zusammengestellt.

[table removed - eds.]

Bezüglich der Färbung des Rückenfells sind die Guinea- und Ruwenzori-Stücke jeweils relativ einheitlich. Erstere sind die hellsten von allen. Ihre Tönung ist mittelbraun und variiert ein wenig von brussels brown bis sudan brown. Die Stücke vom Ruwenzori haben einen tiefen kastanienbraunen Ton, der als brownish olive bis saccardo's umber zu bezeichnen ist. Innerhalb der beiden mir zur Verfügung stehenden sehr großen Serien vom Kamerunberg und von Fernando Poo ist die Variation der Färbung relativ groß und reicht etwa von sudan brown über saccardo's umber bis mummy brown. Ganz allgemein möchte ich jedoch der Färbung keine allzu große Bedeutung für die Rassencharakterisierung bei *R. angolensis* beimessen.

Leider liegen über das Vorkommen des Angola-Flughundes in einigen Teilgebieten innerhalb des Areals bisher offenbar keine oder nur sehr allgemeine Angaben vor, so z. B. für Nigeria, Ghana, Südkamerun und Gabun. Im Kongogebiet scheint die Art nur sehr sporadisch vorzukommen (vgl.

p. 6

u.a. Schouteden 1948; Frechkop 1954). Hier wäre noch zu untersuchen, ob die entsprechenden Stücke zu *angolensis* zu rechnen sind, oder bereits Annäherung an die Ruwenzori-Rasse erkennen lassen. Es ist durchaus möglich, daß ein spärliches Vorkommen oder vollständiges Fehlen in manchen Gegenden mit dem Mangel an geeigneten Biotopen zusammenhängt. Ich selbst kenne die Art aus dem Gebiet des Kamerungebirges und auf Fernando Poo als einen sehr häufigen Vertreter der Megachiropteren und als typischen Felshöhlenbewohner. Demgegenüber finde ich nur einmal, und zwar bei Hayman (1954), die Angabe, daß die von ihm untersuchten Togo-Stücke in hohlen Bäumen gefangen wurden. Da in den von mir besuchten Gebieten Felshöhlenquartiere relativ häufig sind, erklärt sich daraus wohl das beobachtete Massenauftreten. Vielleicht beruht das Fehlen der Art in anderen Gegenden auf dem Mangel an solchen geeigneten Tagesquartieren.

Rousettus kempi Thomas, 1909

p. 543

Allied to, but with heavier teeth than, *R. lanosus*.

External characters as in the Ruwenzori Mountain Fruit-bat, *R. lanosus*, except that the long hairs of the back, rump, and interfemoral region tend to be greyer. Palate-ridges 4 - 3 - 1.

Skull as in *lanosus*, the brain-case equally strongly deflected.

Teeth larger, broader, and heavier throughout, more as in ordinary Rousets, not so highly specialized as in *R. lanosus*. Incisors, canines, and anterior premolars as in *lanosus*. P^4 3 mm. in horizontal length as against 2.4 in *lanosus*; m^1 3.0 x 1.5 (*lanosus* 2.5 x 1.2); m^3 2.8 x 1.5 ; p_4 2.4; m_1 2.9 X 1.4; m_2 1.9 X 1.4.

Forearm of the type 86 mm.

Head and body (measured in flesh) 125 mm.; tail 15; ear 23.

Hab. Kirui, Mt. Elgon, British East Africa. Alt. 6000'.

Type. Subadult male. Rudd Collection. Original number 269. Collected 16th September, 1909.

This is evidently the Elgon representative of the Ruwenzori *A. lanosus*; the Shoa specimen mentioned by Dr. Andersen would appear, as is natural, to be the same as the Elgon rather than the Ruwenzori species.

Rousettus lanosus Thomas, 1906

p. 137

Rousettus lanosus, sp. n.

A member of the *R. collaris* group; the limbs thickly hairy.

Size and general characters about as in *R. collaris*. Fur loose and shaggy, very abundant, its limits not sharply defined as in *R. collaris*; that on the head about 8 mm. in length, mixed with a large number of much longer hairs, attaining over 20 mm. On the back the fur is thick and woolly, passes out on to the proximal half of the upperside of the forearms, and is continued thickly down the hind limbs and the wing-membrane external to them to the ankles, the feet being also thinly clothed above. Interfemoral thickly furry above, except just along its posterior margin. Below, the wings are thinly hairy to a point level with the middle of the forearm, the hind limbs and interfemoral membrane being also less thickly haired than on the upper surface. Ears narrow, rather longer than the muzzle. Palatal ridges as in *R. collaris*.

General colour above bistre-brown, becoming warmer posteriorly; head darker. Under surface near broccoli-brown, but with a yellowish suffusion; some of the longer hairs quite yellow.

Skull rather more delicately built than in *R. collaris*, the bones thinner and lighter, muzzle rather longer and narrower; postorbital processes very thin; anterior palatine opening unusually broad.

Teeth conspicuously smaller throughout, each molar and premolar slightly shorter and very much narrower than in the allied species.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 88 mm.

Head and body 134; tail 16, tail free from membrane 9; head 46; ear 23; third finger, metacarpus 60, first phalanx 41, second phalanx 57; lower leg and foot (c. u.) 62.

Skull: length to tip of nasals 42; basal length 37.5; zygomatic breadth 25; breadth of brain-case 17.4; palate length from anterior palatine foramina 19; breadth of palatine foramina 3.4; length of upper tooth-row from front of canine 14.5; the same below, 16.2; first upper molar 2.3 x 1.2.

Hab. Ruwenzori East, at 13,000'.

Type. Adult male (in spirit). B.M. no. 6.7.1.2. Collected by K. B. Woosnam. Three specimens obtained.

This species is allied to *R. collaris*, but is at once distinguishable from that and every other species by the thick

p. 138

woolly covering of its hind limbs and its remarkably narrow molars.

The occurrence of a fruit-but at such an altitude as 13,000' is very noteworthy.

Rousettus sjöstedti Lönnberg, 1908

p. 7

Usambara: 1 specimen from the Mkulumusi caves near Tanga, $^{4}/_{5}$, 1905.

Resembling *R. anqolensis* (*Bocage*). Fur woolly, greyish brown above, rather pale brownish grey beneath, a little lighter on the neck and this light colour extends up on the sides of the neck so as to form a collar which is narrowed and almost interrupted on the back. Head coloured like back, darker on snout and on both eyelids. Wing-membrane blackish speckled with light spots. Not quite half the forearm is hairy. Tibia naked. On the lower side the forearm is woolly in a similar degree as above but the wing-membrane is sparsely beset with woolly hairs between humerus and forearm and along the outer side of the latter. Tibia almost wholly naked below. Interfemoral membrane above and below with some very few scattered hairs. Wing-membrane rising from back of second toe but at the end curving to the interspace between first and second.

Palatal elevations six in number, three anterior complete, and three posterior mesially interrupted (in addition to these there is a rudiment of a fourth interrupted fold on one side between the last and next last). Behind these there is an angular serrated fold on the back of the palate.

Dimensions of *R. sjöstedti* (in spirit, F); *R. angolensis* (according to BOCAGE) M, F (in mm).
Length of head and body: 125; 120, 140
" " tail: 17; 13, 13
" " head: 43; 45, 48
Distance from eye to nostril: 16; 15, 15
Length of ear: 25; 23, 22
Forearm: 86; 80, 79
Thumb: 34.5; 32, 33
Metacarpus of third finger: 59; 56, 60
First phalanx of third finger: 38 (39); 40, 40
Second " " " " : 53; 50, 53
Metacarpus of fourth " : 57; 53, 56
First phalanx of " " : 32; 26, 26
Second " " " " : 35; 28, 29
Tibia: 35; 32, 33
Hindfoot: 25; 20, 21
Metacarpus of fifth finger: 56; -, -
First phalanx of fifth finger: 28,5; -, -
Second " " " " : 26; -, -

p. 8

Length of skull of *R. sjöstedti* about 40 mm. Frontal region of skull between postorbital processes somewhat convex. Molars not very narrow transversal diameter of first molar 2 mm. and last premolar still thicker.

This new bat is most nearly related to *Rousettus angolensis* (BOCAGE) and differs like that one from *R. leachi* (A. SMITH) = *R. collaris* auct., which lived in the same caves, most conspicuously with regard to the structure of the palate. Unlike *R. leachi*, the new species has only 3 complete palatal elevations and behind those 3 mesially interrupted folds. The presence of only 3 complete palatal elevations was pointed out by BOCAGE as a characteristic for the by him 1898 described species *angolensis*.

MATSCHIE used the same characteristic as well for the definition of his new genus *Myonycteris*, which comprised the species *torquata* and *anqolensis*. The latter has, however, proved to a true *Rousettus* by cranial characteristics. Te same is also the case with the present new species. As a specific characteristic the number of complete palatal elevations serves very well, and by among other characteristics the new species is easily separated from another East African bat *R. lanosus*. From *R. anqolensis* with the same number of complete palatal elevations, *R. sjöstedti* differs in the structure of the palate having only three (instead of four) mesially interrupted posterior palatal folds. This characteristic may, however, be variable as in the type specimen there are rudiments on one side of a fourth divided fold between the second and third. In addition to this there are many differences in dimensions and other exterior characteristics as is proved by the description above. *R. angolensis* is more hairy, for instance, on the tibia and interfemoral membrane. The former is said in *R. angolensis* to be covered "en dessous de poils longs et serrés" --- "jusqu'à l'articulation du pied", --- "en dessous jusqu'au premier tiers de la jambe" and the latter "presque entièrement couverte en dessous de poils aussi long at aussi fournis que ceux du dos", while in *R. sjöstedti* both these parts are practically naked.

The tibia of *R. sjöstedti* is longer than that of *R. angolensis* but shorter than that of *R. lanosus*. The latter is easily recognized by its small molars.

Rousettus smithii Thomas, 1908

p. 375

Most nearly allied to *R. angolensis*, with which it forms a distinct section of the genus, but differing in the following characters: - Size much smaller, the skull also narrower and with less widely expanded zygomata. Fur shorter and more resembling that of ordinary Rousets (that of *R. angolensis* being unusually long and silky), and not extending so far down the hind limbs, the proximal half only of the tibiæ being clothed. Ears narrower. Colour dull brown without rufous suffusion; neck more greyish.

p. 376

Skull more lightly built than in *R. angolensis*, but agreeing with it in all essential respects, such as the very slight deflection of the brain-case, the co-ossification of the premaxillæ, and the swollen supraorbital margins. Teeth of the same squarish form, but smaller throughout, and similar in relative proportions, with the exception that the last molar, both above and below, is very much smaller, about one-third instead of one-half the size of the tooth immediately preceding it.

Dimensions of the type (not fully adult): -

Forearm 70 mm.

Head and body (c.) 112; tail 11; pollex (c. u.) 28.5; third finger, metacarpal 49.5, first phalanx 32.5, second phalanx 41; lower leg and hind foot (c. u.) 46.

Skull: greatest length 38.5; zygomatic breadth 20.5; supraorbital foramina to tip of nasals 18; breadth of braincase 15; front of canine to back of m^3 14.8; p^4 2.3 X 1.8; m^2 1.4 x 1.2; p_4 2.7 x 1.7; m_3 1.3 x 1.1.

Hab. Sierra Leone.

Type. Nearly adult female. B.M. 8.9.11.1. Collected and presented by Canon F.C. Smith.

The many important characters by which *Rousettus angolensis* differs from all other members of the genus have recently been brought out in Dr. K. Andersen's admirable notes on the group, so that no comparison of *R. smithii* with other species is required. From *R. angolensis* it is at once distinguishable by its smaller size (allowing, of course, for the slight immaturity of the type), smaller teeth, and, especially, by its much smaller posterior molars.

I have much pleasure in naming this Rouset after its discoverer, to whom the National Museum is indebted for various acceptable specimens.

Scabrifer notius G.M. Allen, 1908

p. 46

Type. - Adult male, alcoholic, No. 4555, Museum of Comparative Zoölogy; collected at Cape Town, Africa, and received from E. L. Layard.

General Characters. - Size as in *S. floweri* (De Winton), but the fur very dark basally, with light tips. The curious wart-like papillae characteristic of this genus

p. 47

are sparsely scattered on both surfaces of the humerus, the forearm, finger bones, tail, and tibiae.

Description of the Type. - Color of the fur in alcohol dorsally and ventrally nearly mummy brown, lighter, approaching hair brown at the tips. As the type has been immersed in alcohol for many years, it is possible that the fur is still darker in the living animal. The ears and muzzle are pale.

Dorsally the fur covers the body thickly, but is practically absent from the membranes. The bases only of the ears are clothed, and the somewhat swollen muzzle is thinly clad with short minute hairs and sparser longer ones. Ventrally the membranes are likewise naked, save for the proximal half of the tail and interfemoral, which are thinly covered with short hairs.

The ear, laid forward, reaches nearly to the nostril; it is rounded at the inner basal angle, then nearly straight in outline to the broadly rounded tip. Externally there is a slight concavity below the tip, and the lower half is again nearly straight to the basal notch that separates off the low rounded terminal lobe. The tragus is narrow, bluntly pointed, and rather short.

The wing membrane arises from the base of the toes. The calcar is strongly keeled, but without a terminal lobe. The tip of the tail is free for about 2.5 mm. The curious wart-like papillae characteristic of this genus seem much fewer than in *S. floweri* from the Soudan and are practically absent from the membranes, whereas in the latter species the upper side of the forearms, legs, and tail, and all the proximal portion of the wings and interfemoral membrane are thickly studded with them. In the new species there are dorsally some half-dozen papillae on the humerus, a few at the proximal end of the forearm, but a thicker cluster of from 15 to 20 at the distal end of the forearm; a few are also scattered along the metacarpals and phalanges, and on the dorsal surface of the femora, tibiae, and metatarsals, as well as at the region of the joints on the upper side of the tail. Ventrally the distribution of these warts is about the same, but they are more numerous on the humerus and almost wholly lacking on the fingers, tibiae, and tail.

Skull and Teeth. - As stated by Miller, the skull resembles that of a small *Eptesicus*, and is somewhat flattened, with an almost straight dorsal profile. The inner upper incisors are long and slender with a faint indication of a cusp near the tip, laterally. The outer incisor is not quite half the height of the inner, and like that tooth has a strongly developed cingulum that forms a slight cingulum cusp. The outer cusps of the mandibular molars are long and rather slender.

Measurements: - The external measurements of the type are as follows: head and body, 49; tail, 37; ear, 13.5; tragus, 5; forearm, 35; thumb, 5.3; 2d digit, metacarpal, 30.5; 3d digit, metacarpal, 32.3; 1st phalanx, 12.7; 2d phalanx, 9; 3d phalanx and tip, 7; 4th digit, metacarpal, 32.5 ; 1st phalanx, 12; 2d phalanx and tip, 8; 5th digit, metacarpal, 32.5; 1st phalanx, 9.2; 2d phalanx and tip, 5.6; tibia, 12.8; foot, 6.

Skull; greatest length, 14.3; palatal length, 6.6; interorbital constriction, 3.6; mastoid breadth, 8; palatal breadth outside second molar, 5.6; mandible, 10.3; maxillary tooth row (exclusive of incisors), 5; mandibular tooth row (exclusive of incisors), 5.5.

p. 48

Remarks. - *Scabrifer foweri* from the White Nile and Soudan seems to be a pallid species, while the new species here described is dark-furred, with a much less development of the dermal papillae that give an encrusted appearance to those parts where they occur. The two appear not to differ in size.

Scoteinus schlieffeni australis Thomas and Wroughton, 1908

p. 539

M. 1967, 1975, 1993, 2000, 2005, 2007. F. 1995, 2001.

On laying out all the specimens of this species in connection with the identification of the present series, it became evident that there are several well-marked geographical races separable on colour characters.

Typical *S. schlieffeni* was based by Peters on a specimen from Cairo. He described it as "supra rufescens, subtus ex albo rufescens." A second species, *S. minimus*, based on a F from Tanganyika was described by Noack as "oben olivengelbbraun unten weissgelb. Seiten hell umbra ...." Unfortunately we have no undoubted specimen of either of these for comparison, but we consider that we are justified in describing three forms as certainly distinct from either typical *S. schlieffeni* or *S. minimus* (which latter is at most a local race of the former). These are: (1) a pale desert form from the Aden Hinterland; (2) a white-bellied desert form from Upper Egypt; and (3) the present series from S. Africa.

[possibly incomplete - eds.]

Scoteinus schlieffenii fitzsimonsi Roberts, 1932

pg. 17

Differing in coulour from its nearest geographical allies *S. s. australis* Thomas and Wroughton, of the eastern littoral and *S. s. minimus* Noack, of Central Africa in being clay colour above and cinnamon buff to pinkish buff below.

Type : T.M. No. 6550, adult M, Tsotsoroga Pan, Northern Bechuanaland, 19th June, 1930, No. 833. Vernay-Lang Kalahari Expedition. Length of head and body 48, tail 32, hind foot (c.u.) 6, ear 11, forearm 30. Skull : length, canines to occiput, 12.3, zygomatic width 8, width of brain case 6.2, width of palate across outside of m^2 5.5, length of upper tooth-row (c-m^3 4.3 mm.

Scotœcus Thomas, 1901

p. 263

Like *Scotophilus*, but with the following special characters: - The two lower premolars are subequal, instead of the first being far smaller than the second; the upper canines are flattened and grooved anteriorly; the last upper molars have much larger posterior lobes, so that they are triangular instead of equally narrow externally and internally; the talon of the last lower molar is bi- or tricuspidate and practically as large in cross-section as the main part of the tooth; the brain-

p. 264

case is decidedly more flattened and less dome-shaped; and both nasal and anterior palatal notches are much deeper, the latter reaching nearly to the line of the front of $m.^{1}$.

Type *"Scotophilus" albofuscus*, Thos.

In my first description of it *S. albofuscus* was only placed provisionally and with great doubt in *Scotophilus*. Mr. de Winton, in describing *S. hirundo*, expressed his opinion that neither were properly congeneric with the previously described species, and, now that a third member of the group has turned up, I think it advisable to form a special genus for all three. In the characters above noted the three precisely agree, and differ from any of the members of the true *Scotophilus*.

In some respects, perhaps, ***Scotœcus*** is even more nearly allied to the American *Nycticeius*, which shares with it the triangular $m.^{3}$ and more complicated $m._{3}$, but still has, like *Scotophilus*, the marked disproportion between the sizes of the two lower premolars, the canines rounded in front, and the comparatively shallow nasal and prepalatal notches

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Scotœcus albigula Thomas, 1909

p. 544

Closely allied to *S. hindei*, Thos. (locality Kitui, Ukamba), but the whole under surface nearly uniform whitish, the bases of the hairs only faintly greyer (browner on the lower abdomen), the whitish underside of neck in particular contrasting markedly with the brown upperside. Fur a little softer and more woolly, as is natural at the higher elevation. A band of fine whitish hairs along the membrane just external to the forearm, this part being quite naked in *S. hindei*.

Skull slightly longer than that of *hindei* and its palate rather broader. A minute p^{1} present on each side in, or close behind, a deep notch in the cingulum of the canine. No such tooth is present in the type of *S. hindei*, but it occurs in the specimen from Nyasaland mentioned by Mr. Wroughton in 1907.

Dimensions of type (the starred measurements taken in the flesh): -

Forearm 38 mm.

Head and body * 58; tail * 35; ear * 13; third finger, metacarpal 36.5, 1st phalanx 12.5; lower leg and hind foot (c. u.) 20.

Skull: condylo-basal length 14.5; basi-siuual length 11; front of canine to back of m^{3} 6; breadth across palate outside molars 7.8.

Hab. Kirui, Mt. Elgon, Brit. E. Africa. Alt. 6000'.

Type Adult male. Rudd Collection. Original number 200. Collected 5th September, 1909, by R. Kemp.

Scotoecus artinii de Beaux, 1923

p. 98

(N. 1443). Tipo 1 F, a secco, cranio estratto, danneggiato *dopo* la misurazione. Paratipi 1 M, 1 F, in alc., crani non estraibili.

Archers Post, 26 12.1919. L. FRANCHETTI et L. TONKER.

Dedico la presente specie al chiarissimo Prof. E. Artini, Direttore del Museo civico di Storia Naturale di Milano.

p. 99

Il reivestimento peloso ha brillantezza sericea. La colorazione d'insieme delle parti dorsali varia secondo i soggetti dal brune cuoio nel Tipo (snuff brown, Ridgw. XXIX) al bruno oliva nel % (olive brown, XL), ed i singoli peli mostratno l'apice decisamente più chiaro. Le parti ventrali si avvicinano alla colorazione dello S. albigula, Thos. (Ann. M. Nat. Hist. IV, 1919, p. 544): la gola è bianca, il torace è superficialmente quasi peli brunastra (wood brown, XL); sull'addome il colore bruno aumenta quantitativamente. Il muso è bruno o bruno nerastro secondo i soggetti. Il mento è nerastro o porta almeno una larga macchia nerastra, diffusa, marginale mediana.

Il patagio è bruno nerastro, sottilmente marginato di chiaro e mostra sulla superficie ventral lungo l'avambraccio dei minutissimi peluzzi chiari scarsissimante disseminati su di una striscia larga 5 mm.

Il palato è molto largo. Un piccolo $\underline{P}_{1}$ è presente in tutti egli esempl.

Misure del Tipo (e paratipi: F - M): Avambraccio 32 (34 - 34). Testa e tronco ca. 53 (54 - 51). Coda 26 (29 - 26). Dito terzo, metacarpo 31 (31 - 31), prima falange 11.5 (12.5 - 11.5). Tibia e piede con unghia 10.5 (19.5 - 19). (Lunghezza del pene nel prepuzio 8.5). Il tipo fu misurato *prima* di essere messo in pelle.

Cranio del Tipo. Lungh. Occipite - C 14.2. Lungh. condilo-basale 13. Lungh. basi-sinuale 10. Larghezza orbitale 6.5. Largh. intertemporale 5. Larghezza della cassa cranica 8. Largh. mastoidea 8.1. Larg. estern massima sulle file dentali molari 7.5, Fila $\underline{C\text{-}M_3}$ 5.8; $\underline{P_4\text{-}M_2}$ 3.8; $C\text{-}M_3$ 6.1.

Sc. artinii si distingue facilmente dalle specie geograficamente più vicine. Dal *hindei*, Thos. (Ann. M.N. HisT., VII, 1901, p. 264), Kitui, Br. E. Afr., pel colore delle parti dorsali che in quest'ultimo è molto più scuro (chocolate, XXVIII) e delel parti inferiori che in quest'ultimo sono brune. Dall'*albigula*, Thos. (o.c. IV, 1909, p. 544), Mt. Elgon, che, come cortesemente mi confermano con lettera del 1.II.1923 i signori Kershaw e Hinton del Museo Britannico, ha le parti dorsali brune cioccolata, pel colore delle medesime e per le parti in-

p. 100

feriori decisamente meno chiare nell'artinii. Dal *woodi* Thos. (o.c. XIX, 1917, p. 280), Nyasalend, per il colore delle parti superiori, che in quest'ultimo sono molto più scure (mummy bronw XV), della membrana alare che in quest'ultimo è bianca e delle parti inferiori che nel medesimo sono brune. Dal *cinnamomeus*, Wettst. (Anz. Ak. Wissensch. Wien. 53, 1916, p. 191), Cordofan, per il colore delle parti superiori, che, come mi conferma l'autore, corrisponde in quest'ultimo al *cinnamon* di Ridgw. XXIX e per il colore del patagio, che nel medesimo non ha solo il margine ma anche intere porzioni marginali bianche.

Spiccate differenze di colorazione lo distinguono pure dalle specie geograficamente più lontane: *albofuscus*, Thos. (Ann. M. C. Genova, XXIX, 1890, p. 86), Gambia, che è più scuro ed ha le ali biancastre; *hirundo*, Winton (Ann. M. N. Hist. IV, 1899, p. 355), Costa d'Oro, che è molto più chiaro (grigio topo); *falabae*, Thos. (o.c. 19195, XVI, p. 447), Kabwir, Nigeria, sett. che ha i singoli peli più chiari nella porzione basale che nella apicale.

Debbo infini aggiungere, che a mezzo di un accurato controllo della colorazione di *Pipistrellus nanus*, Pet., *Scoteinus schlieffenii africanus*, Allen, e *Taphozous mauritianus*, Geoffr., *conservati in identiche condizioni* mi sono assicurato che *l'alterazione di colore subìta dai soggetti nell'alcool è assolutamente minima*.

Scotoecus cinnamomeus Wettstein, 1916

p. 191

Am ähnlichsten *S. albofuscus* (Thom.), aber Rücken "cinnamon", Unterseite weißlich, Tragus länger als bei allen gleichgroßen Formen. Flughautrand zwischen fünftem Finger und Tibia weiß gesäumt, mit weißer Verbreiterung in der Mitte dieser Strecke. Schwanzspitze über 1 mm frei aus der Flughaut herausstehend. Außenrand des Ohres gerade. Innenrand des Tragus gerade, 3 mm lang, Außenrand etwas unter der Mitte des Innenrandes stark konvex, dann gerade, am Ende schmal abgerundet.

Maße des Typus: Kopf und Körper 47, Schwanz 33, Unterarm 32, Ohrhöhe 12, Außenrand d. Tragus 4.8, Tragusbr. 2 mm.

Typus: 1 F Nubbaka, Kordofan, 17.III.1914
Cotypen: 1 F Nubbaka, 17.III
1 F Dilling, Kordofan, 20.III.1914.

Scotoecus falabæ Thomas, 1915

p. 447

Scotœcus falabæ, sp. n.

A medium-sized brown species, rather larger than *S. hirundo*.

General characters very much as in *S. hirundo*, to which the new form is most nearly allied. Size rather larger.

p. 448

Fur 3.5 mm. in length on the shoulders. General colour sepia-brown, but the light bases of the hairs showing through, especially across the shoulders, where the hairs are prominently buffy whitish for the greater part of their length, the tips only brown. Under surface dull buffy whitish, the throat clearer white, but nowhere so pure a white as in *S. hirundo*. Membranes blackish brown throughout. Tragus short, broad, rounded, slightly incurved, the inner margin concave. Wings to the end of the metatarsus. A distinct postcalcarial lobule present.

Skull, as compared with that of *S. hirundo*, larger, more rounded, higher, and less flattened than in *S. hirundo*, and still more so in comparison with the other species. The interorbital broadening less noticeable than in any known species.

Dentition as in *S. hirundo*, except that minute anterior premolars are present on each side, standing in the notch in the posterior base of the canines.

Dimensions of the type (the italicized measurements taken in the flesh): -

Forearm 36 mm.

Head and body 51; tail 36; ear 12; third finger, metacarpus 34, first phalanx 11.2; lower leg and hind foot (c.u.) 20.

Skull: occiput to base of canine 13.7; condylo-basal length 13.3; interorbital breadth 6.8; intertemporal breadth 4.8; breadth of brain-case 8.5; front of canine to back of m^3 5.6; front of p^4 to back of m^2 3.7.

Hab. Kabwir, Northern Nigeria. Alt. 2500'.

Type. Young adult female. B.M. no. 15.10.8.1. Original number 70. Collected July 28, 1915, and presented to the National Museum by Dr. J. C. Fox.

This species differs from *S. hirundo* by its larger size, higher skull, and more obviously bicolor fur. The type of *S. hirundo* is a very old female with worn teeth.

The inconvenient variability in the presence or absence of the small upper premolars is a character of *Scotœcus* unique in the Vespertilionidæ. How far these teeth will prove to be generally constant within each species remains to be seen, but in *S. hindei*, at least, they are absolutely inconstant.

The specific name is given in commemoration of Dr. Fox's escape from the peaceful liner 'Falaba,' barbarously sunk on its way out to Africa.

Scotœcus Hindei Thomas, 1901

p. 264

Size largest of the genus. Fur close and soft, hairs about 3 mm. in length on the back; not extending either above or below on limbs or membranes, except slightly on and around the base of the tail. General colour above chocolate-brown, the bases of the hairs darker; below the colour is paler, the hairs being brown basally and dull buffy terminally. Muzzle and chin blackish brown. Ears of medium length, their tips rounded, with a slight and even concavity below them. Tragus short, of equal breadth above and below, an indistinct lobe at its external base. Wings to the metatarsus. Postcalcaneal lobe well-defined. Penis very long, apparently provided with a bone.

Skull very similar to that of *S. hirundo*, but larger and heavier throughout; nasal notch very deep, its depth, measured from the base of $i.^1$, going only about three times in the distance from it to the occiput; prepalatal notch reaching to the level of the front of $m.^1$; sagittal crest fairly developed.

Upper incisors short, stout, strongly convergent. Lower incisors transverse, slightly overlapping. Anterior lower premolar three fourths the height of the posterior one.

Dimensions of the type: -

Forearm 35 millim.; height of ear 12, of tragus (on inner edge) 2.4.

p. 265

Skull: greatest length 15; basal length 12.9; orbital breadth 8; intertemporal breadth 4.9; breadth of brain-case 8.2; nasal notch 3.3 x 2.5; palate from bottom of prepalatal notch 5; front of upper canine to back of $m.^3$ 6; front of lower canine to back of $m._3$ 6.5.

Hab. Kitui, British East Africa; altitude 3500 feet.

Type. Male. B.M. no. 1.2.5.1. Original number 63. Collected 26th November, 1900, by S. L. Hinde.

Its larger size and different colour will readily distinguish this species from its nearest ally *S. hirundo*.

Scotoecus woodi Thomas, 1917

p. 280

Near *S. albofuscus* of the Gambia, but smaller.

Size about the smallest of the genus. General colour above dark brown (near mummy-brown), the tips of the hairs paler brown; under surface little paler, near Prout's brown. Wings coloured as in *S. albofuscus*, the forearms, digits, hind limbs, and tail blackish, the membranes internal to a line from elbow to knee, and the interfemoral dark brown, those external to forearms dull whitish, rather darker; terminally. Ears short, with large external basal lobe; tragus short and broad, its inner margin slightly concave.

Skull short and stumpy, of the characteristic broad shape usual in the genus, the lacrymal breadth even greater than in *S. albofuscus*. Nasal notch very deep. Median part of zygoma absent in type.

Incisors slender, their bases not touching the canines. Canines broadened transversely, their basal area broader than long, and flattened behind, close and parallel to the front edge of the large premolar; no small premolar or place for it present.

Dimensions o£ the type (the italicized measurements taken in the flesh): -

Forearm 28.5 mm.

Head and body 56 mm.; tail 21; ear-12.

Third finger, metacarpus 28, first phalanx 10, second phalanx 8; lower leg and hind foot (c. u.) 17.5.

Skull: greatest length 13.2; median upper length 11; basi-sinual length 9.8; greatest breadth 10.3; lacrymal breadth 6.7; mastoid breadth 9.1; palato-sinual length 4.5; front of canine to back of m^3 4.9.

Hab. Southern Nyasaland. Type from Chiromo; alt. 200'

p. 281

Type. Adult male. B.M. no. 17.2.1.1. Original number 173. Collected 2nd October, 1916, and presented by Rodney C. Wood, Esq.

This species may be distinguished from its only close, though geographically very distant, ally *S. albofuscus* by its smaller size, proportionally even broader skull, and the different shape of the base of its canines. The other members of the genus all have uniformly brown wing-membranes.

I may note that of twelve, skulls of *Scotœcus*, including examples of all the described species, only two have complete zygomata, although all have been prepared by that most skilful skull-cleaner Mr. W. Sherrin. Imperfection or, at least, excessive tenuity of the zygoma would therefore appear to be an additional character of the genus *Scotœcus*. Of forty skulls of *Scoteinus* similarly prepared by Mr. Sherrin, nearly all have perfect, although very slender, zygomata.

Scotonycteris bedfordi Thomas, 1904

p. 372
[Proc. zool. Soc. Lond., 1904, vol. i. - 2 August 1904]

Scotonycteris bedfordi, Thomas, Abstr. P.Z.S. 1904, No. 2, p. 14, March 8.

Footnote: The complete account of the new species described in these communications appears here; but as the names and preliminary diagnoses were published in the 'Abstract,' such species are distinguished here by geing underlined. - EDITOR

Near *S. zenkeri*, but ears much smaller.

Size rather less than in *S. zenkeri*. Fur close, fine and woolly, the hairs on the back about 6 mm. in length. Fleshy part of forearms, wing-membrane bordering flanks and hind limbs, upper side of legs to ankles, and interfemoral membrane (except terminal part near calcar) well clothed with fur; the centre of the interfemoral quite buried in thick fur. Below, the fur was less extended, the proximal part of the wing-membrane and the centre of the interfemoral.

General colour above mixed whitish and ochraceous buff, the hairs dark brown at base, then silvery white, their tips pale brownish buffy or "clay-colour," the peripheral hairs of membranes wholly of the latter colour. Head rather browner than back. Central white muzzle-patch present, as in the type species; eyes with dark rims, interrupted behind by small white postocular spots, only about 2 mm. in diameter. Owing to the general light colour, these patches are but little prominent. Ears very small and narrow, conspicuously smaller than in *S. zenkeri*. Throat and centre of chest creamy whitish, passing on shoulders, sides of body, and inguinal region into brown.

Dimensions of the type: -

Forearm 48 mm.

Head and body (original measure in the flesh) 71; ear (in flesh) 11; thumb (c. u.) 23; first finger - metacarpal 34, 1st phalanx 24, 2nd phalanx 30; fifth finger 63; tibia 20 ; calcar 6.

Hab. Fish Town, Fernando Po.

Type. Female. Original number 31. Collected 2 January, 1904, by E. Seimund.

This interesting Bat, which had been named in honour of its joint donor, the President of the Society, was the first representative of the the genus *Scotonycteris* received by the National Museum, and was therefore a most welcome accession. It differed from *S. zenkeri*, of the Cameroons, by its conspicuously smaller ears, which were only 11 mm. in length, while those of *S. zenkeri* were stated by Dr. Matschie to be 17 mm. long, a measurement that quite agreed with their appearance in his plate. *S. bedfordi* also seemed to have smaller postocular spots and a more hairy interfemoral membrane than its mainland ally.

Scotonycteris ophiodon Pohle, 1943

p. 78

Vor fast 50 Jahren, in der Sitzung vom 16.10.1894, legte MATSCHIE der Gesellschaft naturforschender Freunde einen Flughund vor, der eine neue Art einer neuen Gattung darstellte: *Scotonycteris zenkeri* Mtsch. Heute kann ich der Gesellschaft die zweite Art dieser damals geschaffenen Gattung vorlegen: *Scotonycteris ophiodon* sp. n.

Typus: Nr. 50051 des Berl. Mus.; F juv.-ad. von Bipindi, Bez. Kribi, Kamerun, Mai 1899, GEORG A. ZENKER S.V.. Die Zähne (auch die Eckzähne) sind voll in Stellung, die Basalnaht ist noch offen. Das Tier liegt in Alkohol; der leider auf der

p. 79

rechten Seite unter Verlust der Hirnkapselwand verletzte Schädel ist gereinigt.

Diagnose: Ein *Scotonycteris* von erheblicher Größe. Das vorliegende Weibchen ist ebenso groß wie ein gleich altes von *Epomops franqueti* Tomes. Das Tier ist also weit größer als *Sc. zenkeri* Mtsch. Unterarm über 75, größte Schädellänge über 36 mm. Ohren länger (über 20 mm) als bei *zenkeri* und zugespitzt. Gaumenfalten ähnlich denen von *Casinycteris argynnis*. Schädel weniger breit (Gr. Länge: Jochbogenbreite = 1.71 gegen 1.51 bei *zenkeri*). Gaumen sehr stark gewölbt. Backenzähne stärker als die von *zenkeri*, aber auch fast ebenso lang wie breit und geradezu ungeheuer hoch und stark gekrümmt, so daß die Reihe C-M^1 in Profilansicht an ein Schlangengebiß erinnert.

Aeußere Merkmale: Schnauze verhältnismäßig noch breiter als die von *zenkeri* und daher etwa wie eine Miniaturausgabe einer Bernhardiner-Schnauze wirkend. Ohren relativ länger (20.5 mm) bei relativ gleicher Breite (13 mm), zugespitzt und mit 8 deutlich erkennbaren queren Verstärkungsleisten. Schwanz als Höcker gut fühlbar. Flughäute denen von *zenkeri* entsprechend mit 20 - 22 Vertikalfacien auf dem Mesopatagium. Sie setzen sich an die erste Zehe (und zwar an deren erste Phalange) an. Schwanzflughäute wohlentwickelt, in ihrer ganzen Länge mindestens 7 mm breit. Ueber die Fingerlängen sagt umseitige Tabelle aus, daß sie zwar absolut erheblich größer, relativ aber etwa die gleichen sind wie bei *zenkeri*. Nur der Metacarpus des 2. Fingers ist auch relativ länger. Die übrigen Unterschiede liegen innerhalb von Fehlergrenze und Variationsbreite.

Verteilung der Behaarung wie bei *zenkeri*. Pelz lang, weich und dicht; Länge der Haare auf dem Rücken um 10 mm, der Leithaare um 14 mm; auf dem Bauch sind die Haare gröber und bis 7 mm lang. Die Rückenseiten der proximalen Hälfte des Unterarmes und der beiden proximalen Drittel des Unterschenkels sind (in distaler Richtung abnehmend, an den Gelenken aber dicht) behaart. Farbverteilung auch etwa wie bei *zenkeri*, doch sind die Töne erheblich heller und enthalten mehr Gelb. Da der Typus 44 Jahre in Alkohol gelegen hat, ist aber die exakte Beschreibung der einzelnen Farbtöne sinnlos. Auf dem Nasenrücken ein scharf begrenzter weißer Fleck vom Umriß eines Apfelkernes. Seine Spitze liegt etwa in der Mitte des behaarten Nasenrückens, sein abgerundetes Ende wenige Millimeter hinter den inneren Augen-

p. 80

[table removed - eds.]

winkeln. Hinter den Augen und an der Ohrbasis kein weißer Fleck. Dagegen sind Maul und Nasenballen weiß eingefaßt (etwa 3 - 4 mm breit).

Gaumenfalten: Bei *zenkeri*: 5 glattrandige Gaumenfalten zwischen den Zähnen. 1 gleich dahinter; dann 1 mm breite faltenfreie Fläche, und schließlich 6 eng gedrängte, gezähnte, postdentale Falten. Von der ersten, kräftigsten, direkt hinter den Eckzähnen liegenden Falte an nehmen sie an Stärke ab, an Krümmung zu. Die 12. besteht nur aus einzelnen Höckern. Zweite Falte zwischen den P^3, die dritte verbindet die P^4, die 4. die Zwischenräume zwischen den P^4 und M^1 und die 5. die M^1. Von der vierten an sind sie in der Mitte geteilt, die 6. besteht aus zwei Halbbogen; vor der 5. ein unpaarer mittlerer Höcker, vor der 6. jederseits einer. Von den sechs postdentalen ist die erste auch geteilt, die vier nächsten aber einheitlich.

Bei *ophiodon* haben wir auch die Andeutung der Teilung in eine vordere und eine hintere Faltengruppe, doch ist die Trennung unscharf, da ein faltenfreier Streifen fehlt. Auf 6 ungeteilte inter-

p. 81

dentale Falten mit glatten Rändern folgen etwa 12 teils in der Mitte geteilte, teils vollständige, teils unvollständige, postdentale, deren Teile oft durch Schaltstücke verbunden sind. Diese 12 hinteren Falten haben gezähnelte Ränder. Die erste aller Falten steht noch vor den C, dicht hinter den I, die zweite gleich hinter den C. Die dritte verbindet die P^3. Sie ist schon stark vorgewölbt, wird aber hierin von der 4. bis 6. erheblich übertroffen. Die vierte beginnt hinter der Mitte der P^4, ihre weiteste Vorwölbung trifft die Verbindungslinie der Hinterränder der P^3. Die 5. beginnt vor der Mitte der M^1 und wölbt sich bis über die Hinterränder der P^4, die 6. beginnt hinter der Mitte der M^1 und wölbt sich bis zur Mitte der P^4. Die ersten 5. sind dicke Falten mit hohem Kamm und breiter Basis. Die 6. dagegen hat den Charakter der postdentalen: sie ist flach und hat gezähnelte Ränder. Die Lage der postdentalen siehe Abbildung 1. Das Gaumensegel trägt keine Falten, sondern nur unregelmäßig angeordnete Höcker (in der Abb. fortgelassen). Insgesamt entspricht diese Anordnung der Gaumenfalten der von *Casinycteris argynnis* und nicht der von *Scotonycteris zenkeri*.

Schädel: In der Aufsicht und im Profil dem von *Nannonycteris* ähnlicher als dem von *Scotonycteris zenkeri*. Rostrum sehr kurz, relativ kürzer als bei *zenkeri*; seine Länge (Linie Nasaliaspitze bis Orbitarand) beträgt hier $26^1/_2$ % der größten Schädellänge, bei *zenkeri* 29 % (bei dem vorliegenden gleich alten F Schädel Nr. 10029 von *Epomops fr. franqueti* von Yaunde 31 %). Damit ist die Länge des Rostrums geringer als der Abstand der Außenseiten der P^4 von einander; bei *zenkeri* ist sie ebenso groß, bei *Epomops, Nannonycteris* und *Micropteropus* aber größer. Natürlich ist sie auch etwa gleich der Lacrymalbreite, aber dieser Vergleich trennt die kurzschnauzigen Gattungen der Epomophori nur schlecht von den F von Epomops, da auch bei diesen die Lacrymalbreite etwa gleich der Länge des Rostrums ist. Höhe des Rostrums über dem Diastema C-P^3 relativ etwas

p. 82

niedriger als bei *zenkeri*, fast genau gleich der Hälfte der Länge des Rostrums. Höhe hinter den M^1 größer als Länge des Rostrums. Der Winkel, den die obere Profillinie des Rostrums mit der Alveolarlinie bildet, ist ein größerer als bei *zenkeri*, somit wird der Abfall des Schädels nach vom plötzlicher. Postcanine Einschnürung des Rostrums sehr schwach, etwa $^1/_{10}$ mm betragend (bei *zenkeri* über $^2/_{10}$). Aufsteigende Aeste der Intermaxillaria bis oben hinauf etwa gleich breit, nicht zugespitzt; alveoläre Aeste verhältnismäßig hoch, nicht miteinander verwachsen, Vorderrand im Profil nicht senkrecht, sondern oberes Ende vorragend. Der Gaumen ist von rechts nach links sehr stark gewölbt, in der Hauptsache dadurch, daß der Alveolarfortsatz des Maxillare von vorn nach hinten immer mehr aus der Gaumenfläche heraustritt, Zahnreihen divergieren nach hinten so stark, daß der Abstand der buccalen Flächen der M^1 von einander (12.5 mm) fast doppelt so groß ist wie die kleinste Gaumenbreite (6.7 mm). Der hinter dem Jochbogenansatz liegende Teil des Gaumens ist etwa ebenso lang (6.4 mm) wie durchschnittlich breit (9.5 mm hinter M^1, 6.2 mm an der Choane). Er verjüngt sich also stark nach hinten wie auch bei *zenkeri*. Durch diese Verjüngung steigt der fast geradlinig verlaufende Rand dieses Gaumenteiles allmählich fast bis zur Höhe der Gaumenwölbung. Das hat zur Folge, daß in der Profilansicht dieser Rand nicht die geradlinige Fortsetzung der Alveolarlinie ist (wie bei *zenkeri*), sondern mit ihr einen nach oben offenen stumpfen Winkel bildet.

Auch die basicraniale Achse bildet mit der basifucialen einen stumpfen Winkel; der Hirnschädel ist also gegen den Gesichtsschadel abgeknickt (wie bei *Nannonycteris*). Die Verlängerung der Alveolarlinie läuft aber trotzdem unter den Condylen hindurch. Es liegt dies daran, daß durch die Gaumenwölbung der Gaumenrand (die Alveolarlinie) von vom nach hinten immer stärker hervortritt, also von vorn nach hinten fällt. Im Bereich des postdentalen Gaumens steigt dann die Profillinie wieder an und dann kommt die Abknickung der Schädelbasis, die nun etwa parallel der Alveolarlinie verläuft. Würde man die Mittellinie des Gaumens verlängern, so würde sie das obere Ende der Condylen treffen, bei *zenkeri* dagegen das untere. - Postorbitalfortsatz kurz und dick (Jugendmerkmal?). Temporalleisten weit getrennt, nur bis zur Kranznaht zu verfolgen (Jugendmerkmal?). In der Basalansicht treten die Hinterränder der Proc. zyg. max. nicht

p. 83

(wie bei *zenkeri* und *argynnis*) fast senkrecht zur Mittelebene des Schädels aus diesem heraus, sondern bilden damit einen spitzen Winkel (wie bei *Nannonycteris* und *Micropteropus*). Jochbogen dünn, wenig aufwärts gebogen und schwächer nach außen gewölbt als bei *zenkeri*. - Horizontaler Ast des Unterkiefers kräftig, am dicksten unter P_4 und M_1, dahinter dünner werdend; wie bei *zenkeri* und *argynnis* nach außen konvex, nicht fast gerade wie bei *Nannonycteris* und *Micropteropus*. Coronoidfortsatz relativ niedriger als bei *zenkeri* (Jugendmerkmal?), aber ebenso stark, Proc. ang. und Condylus wie bei *zenkeri*.

Gebiß: $^{I1}/_{I1}\,^{I2}/_{I2}\,^{C}/_{C}\,/_{P1}\,^{P3}/_{P3}\,^{P4}/_{P4}\,^{M1}/_{M1}\,/_{M2}$ x 2 = 28, also wie bei *zenkeri* und fast allen Epomophori. Schneidezähne wie bei *zenkeri*, im Oberkiefer jedoch höher, stärker gekrümmt und weniger rückwärts geneigt; I^1 deutlich höher als I^2. Im Unterkiefer bei *zenkeri* I_2 höher und kräftiger als I_1; auch hier ist der I_2 viel kräftiger, in der Höhe aber ist ein Unterschied wohl vorhanden aber nicht auffällig. Alle übrigen Zähne erheblich höher (auch relativ), kürzer und stärker rückwärts gekrümmt als bei *zenkeri*. Eckzähne oben und unten etwa ebenso breit wie lang (siehe Maßtabelle), am stärksten gekrümmt von allen Zähnen. Am Oberkiefer-Eckzahn laufen von der Spitze jederseits ein Cingulum in der Krümmung des Zahnes zur Basis; hier biegen beide nach hinten um und vereinigen sich unter Bildung des Basalwulstes, Zwischen jedem Cingulum und dem Zahn befindet sich eine vertikale Furche, die von der Zahnspitze bis zur Basis zieht. Durch die Cinguli wird die Zahnkrone (außer im basalen Teil) breiter als lang (in halber Höhe: Breite 2.0, Länge 1.5 mm). Das innere Cingulum bildet in etwa $^2/_3$ der Zahnhöhe durch plötzliche Verbreiterung einen Höckeransatz. Von hier nach unten läuft dann auch auf der Zahnvorderseite eine Furche bis zur Basis. Die übrigen oberen Backenzähne ähneln denen von *argynnis*, doch sind sie höher und stärker rückwärts gekrümmt. Die Innenhöcker sind am P^3 wohl niedriger als dort, aber scharf abgesetzt vom Hauptzacken, am P^4 und M^1 wie bei *argynnis*. - Auch die Unterkiefer-Caninen tragen die beiden vertikalen Furchen auf der caudalen Fläche und damit den von der Spitze außen abwärts laufenden, an der Basis nach hinten umbiegenden, als Basalwulst über die rückseitige Basis laufenden, nach oben umbiegenden und wieder zur Spitze laufenden Wulst, der

p. 84

wieder auf der Innenseite in etwa $^3/_4$ der Zahnhöhe infolge plötzlicher Verbreiterung eine Nebenzacke andeutet. Von hier aus läuft auch auf der Vorderseite des Zahnes eine kurze Vertikalfurche. Der P_1 ist deutlich stärker als ein I_2. Der P_3 ist fast ebenso hoch wie der Eckzahn. Sein innerer Höcker ist scharf abgesetzt, rostral durch eine Schmelzkerbe, caudal durch eine vertikale tiefe Grube. Auch bei ihm ist durch eine vertikale Furche auf der caudalen Fläche ein von der Spitze zur Basis laufendes Cingulum abgesetzt, das dann umbiegend einen Basalwulst bildet, der dann an der Nebenspitze wieder emporsteigt. P_4 und M_1 entsprechen ungefähr den gleichen Zähnen von *argynnis*, doch sind sie und die Innenspitze etwas höher.

Verbreitung: Bisher nur bekannt von Bipindihof, wahrscheinlich also ähnlich verbreitet wie *zenkeri* und viele andere Säuger (z. B. *Colobus satanas* Waterhouse), die von Fernando Po, dem südlichen Kamerun und dem nordwestlichen Gabun bekannt geworden sind.

Maße: Aeußere Maße: Kopfrumpflänge 105 mm, Schwanzlänge unter 1 mm, Hinterfußlänge 14 mm, Ohrlänge 20.5 mm.

Schädelmaße: Größte Länge 36 + mm ; Palation bis Foramina incisiva 17.6; Palation bis Basion 12.2; Länge des postdentalen Gaumens 6.4; Länge Orbiturand bis Nasaliaspitze 9.2; Breite der Hirnkapsel über dem Jochbogenansatz 16; Jochbogenbreite 21; Breite über den Kronen der M^1, außen 12.6; Lacrymalbreite 9.4; Breite über den Caninen, außen 6.7; Intertemporalbreite 8.9; Spitzenabstand 11.2; Interorbitalbreite 6.4; Choanenbreite 5.0; Mittlere Breite des postdentalen Gaumens 7.5; Innenabstand der M^1 von einander 7.9; desgl. der P^4 6.2; desgl. der Basen der C^1 2.5; Durchmesser der Orbita 9; Unterkieferlänge (vom Condylus aus) 16.5; Höhe des Coronoidfortsatzes 11.2 mm.

[table removed - eds.]

p. 85

Verwandtschaft: *ophiodon* zeigt eine eigenartige Mischung von Charakteren der Arten *Scotonycteris zenkeri* und *Casinycteris argynnis* mit Merkmalen, die ihm eigentümlich sind. Zur ersten Gruppe nenne ich das Fehlen des weißen Fleckes vor den Ohren, die Form des Intermaxillaria. Zur zweiten Gruppe gehören die längeren Ohren, die Anordnung der Gaumenfalten, die Höckeranordnung an den Backenzähnen. *ophiodon* eigentümlich sind die erheblichere Größe, die weiße Einfassung von Maul und Nasenballen, der Umriß des Schädels in der Aufsicht, die starke Gaumenwölbung, die Abnickung des Hirnschädels u. a. Den größten Teil der Merkmale aber hat er mit den beiden Arten gemeinsam. Seine systematische Stellung ist also nicht zweifelhaft, er gehört zwischen die beiden.

In welche Gattung muß er aber gestellt werden? Mancher Säugetierspezialist würde die Frage einfach beantworten: In eine neue. Nach dieser Methode erhalten wir aber einen Wust neuer Gattungsnamen, die nichts weiter sagen, als daß die Arten eben verschieden sind. Wir haben in der Säugetierkunde schon viel zu viele Gattungsnamen, denn ganze große Familien enthalten nur monotypische Gattungen. Wir müssen uns daran gewöhnen, Gattungen nur dort neu zu schaffen, wo wirklich prinzipielle Unterschiede vorliegen. Das ist aber in unserem Fall nicht zu behaupten. *ophiodon* gehört sicher in eine der beiden schon beschriebenen. Wir müssen also auf unsere Frage zurückkommen. Umm sie entscheiden zu können, wollen wir zunächst ANDERSON's Ausführungen über *Casinycteris* (pg. 671/2) zitieren, wobei wir seine Einschaltungen über Aehnlichkeiten mit *Pteropus*-Arten als unwesentlich für unsere Frage fortlassen: "If the single species of this genus were known only from its external appearance, it would unhesitatingly be considered a *Scotonycteris*, differing from *S. zenkeri* in nothing but its larger size, relatively larger ears, and small white ear-patches; so extraordinary is its resemblance in all external features to *S. zenkeri*, even in the general colour of the fur and the very peculiar white markings of the head. In the characters of the incisors and canines, the peculiarly short-and-broad, subcircular outline of the premolars and molars, and the heightening of their outer cusps the dentition of this genus is very similar to that of *Scotonycteris*, and the details in which it differs (chiefly the stronger development of the inner cusp of p^3 and p_3, the divergence of the outer and inner cusps of the large premolars and molars, and the less

p. 86

pronounced reduction of the posterior molars) would in themselves be far from justifying its generic separation from *Scotonycteris*. With this close extern al and dental resemblance to *Sotonycteris*, the present genus combines, however, a modification of the bony palate absolutely unique in Megachiroptera and more closely approaching to the type of palate predominant in Microchiroptera." Die Gattung *Casinycteris* ist also einzig und allein begründet auf die tiefe Spalte, die sich bei *argynnis* von der Choane bis zu den letzten Oberkieferzähnen zieht oder richtiger, die in diesem Bereich an die Stelle des harten Gaumens getreten ist. Dieses Merkmal scheint unzweifelhaft um so mehr Gewicht zu hahen, als es sonst in der ganzen Unterordnung der Megachiroptera nicht wieder vorkommt. Man müßte also ANDERSON und THOMAS ohne weiteres Recht geben in der Aufrechterhaltung dieser Gattung *Casinycteris*, wenn nicht von beiden eine Kleinigkeit übersehen worden wäre, die diesem Merkmal ein ganz anderes Gesicht gibt. Es ist dies die Tatsache, daß dieses Merkmal bei vielen Säugern als Mißbildung beobachtet worden ist und wahrscheinlich bei allen vorkommen kann als sogenannter Wolfsrachen oder Gaumenspalte. Wir können von *argynnis* nur einen einzigen Schädel, eben den des Typus der Art; wir können also nicht einmal behaupten, daß die Gaumenbildung bei allen Tieren der Art die vom Typus beschriebene ist. Es ist schon möglich, daß wir von dieser seltenen Art ausgerechnet nur ein teratologisches Stück in die Finger bekommen haben. Aber selbst wenn sich das Vorhandensein der Gaumenspalte bei allen Tieren der Art erweisen sollte, dann ist dieses Merkmal noch nicht ausreichend, um damit die Unterbringung der Art in einer anderen Gattung zu begründen. Merkmale, die innerhalb der ganzen Säugetierreihe als Anomalie erblich auftreten können, müssen durch eine verhältnismäßig einfache Genänderung bedingt sein und sind deshalb zu klein, um als Gattungsmerkmale zu gelten. Wenn nicht daneben noch andere Unterschiede vorhanden wären, so würden sie ja nicht einmal zur Begründung einer Art ausreichen. Die Gattung *Casinycteris* ist also zu streichen; *argynnis* ist als Art zur Gattung *Scotonycteris* zu stellen und in diese selbe Gattung kommt als dritte Art unser oben beschriebener *ophiodon*.

p. 87

Bemerkungen: Es ist nicht mehr als Pflicht darauf hinzuweisen, daß wir auch die Kenntnis dieser Art dem ausgezeichneten Sammler GEORG A. ZENKER verdanken, von dem ja das Berliner Museum so viele andere neu zu beschreibende Säugetierarten und Unterarten erhielt, von denen hier nur *Scotonycteris zenkeri* Mtsch., *Idiurus zenkeri* Mtsch., *Zenkerella insignis* Mtsch., *Cercocebus albigena zenkeri* Schwarz genannt seien. G. ZENKER ist am 12.2.1922 nach einem an Abenteuern reichen Leben in seiner Wahlheimat Kamerun (Bipindihof) im Alter von 67 Jahren verstorben. Er ist dem Berliner Museum treu geblieben wie wenige Sammler und hat sein Material hierher gegeben, obwohl wir ihm nur wenig dafür bezahlen konnten, und obwohl er wußte, daß er von London ein Mehrfaches der von uns bezahlten Preise hätte erhalten können.

Material: Nur der Typus.

Scotonycteris ophiodon cansdalei Hayman, 1946

p. 766

Type. - F skin and skull, B.M. No. 46.229, collectors' number 420. Collected at Oda, Oda District, Central Province, Gold Coast, December 24, 1945, by G. S. Cansdale. A very young specimen, No. 46.230, preserved in alcohol, was taken clinging to the type., "Suspended in tree in forest; solitary." (Note by collector.)

Diagnosis. - Closely similar to *Scotonycteris ophiodon* Pohle (1943) in size and most external, cranial and dental characters, but differing externally in having a conspicuous white patch at the posterior angle of each eye, an inconspicuous white spot at the anterior base of the ears (both spots lacking in *ophiodon*), and in the white border of the upper lips only reaching two-thirds of the way forward towards the nostrils (in *ophiodon* the white lip border is said to include the nostrils); and cranially in the long and thin postorbital processes (short and thick in the unique type of *ophiodon*), in the horizontal basicranial axis (deflected in *ophiodon*), and in having a distinct, though low, sagittal crest; the latter may well be an age character. (For measurements see Table I.)

Colour. - As the type of *Scotonycteris ophiodon* had been in spirit for forty-four years when Pohle described it, he was not in a position to give much account of its colour, beyond stating that it appeared to have the same general pattern as in *S. zenkeri* Matschie (1894), but somewhat lighter and yellower, a difference which might well be due, in my opinion, to the bleaching effect of long immersion in alcohol. The following general account of the colour

p. 767

of the Gold Coast form, *cansdalei*, based partly on Cansdale's notes from the fresh specimen, partly on the dry skin, shows that it has a striking similarity to *zenkeri* and also to *Casinycteris argynnis* Thomas (1910).

The dorsal hair above has three colour zones, dark brown basally, dirty white medially, fawn distally, the general effect varying according to the length of hair and length of the whitish zone. On the neck and shoulders the hairs are longer than on the hinder portion of the back and have a much wider whitish zone, which shows through the fawn tips. Further back the whitish zone is very narrow and the hair is shorter, so that the general effect is much darker, and on the rump the pale zone is absent and the hairs are almost uniformly brown. Below, the hair on throat and lower neck is very sparse, is almost white, and the pale flesh skin is exposed. From the lower neck a pale abdominal patch, a dirty whitish heavily washed with dull buif, continues for some way, and is set off by the contrasting dark brown of the sides of the belly, the flanks and the anal region. On the head the white patch on muzzle, the white border of the lips (not reaching the nostrils), and the white patch behind the eyes, are conspicuous, but the white spot at the anterior base of the ears mentioned by Cansdale *in litt*. is so small and indistinct that in the dry skin it could easily be overlooked, and it seems likely that the type of *ophiodon*, after forty-four years in alcohol, would probably be too bleached to show such an inconspicuous feature. According to the collector, the wing membranes are yellowish-brown, and the bare skin of mouth, eyelids and ears dark yellow (in the dry skin the three latter are dark brown). The wing membranes are prominently reticulated, and the joints of phalanges and metacarpals are pale yellow, much as in *Casinycteris*.

Remarks. - In 1943 Pohle described *S. ophiodon* from Bipindi, Cameroons, as the second species of the genus, previously known only by the genotype, *S. zenkeri*, whose range included the Cameroons and Fernando Po. *S. ophiodon* was characterised by its much greater size (forearm 75, in *zenkeri* 48 - 54), and by striking dental peculiarities, of which the most important are the secondary cusps on the inner edges of upper and lower canines, and the heightening of the canines and cheek

p. 768

[table removed - eds.]

p. 769

teeth, the latter being provided with prominent inner cusps. *S. ophiodon* also lacks the white spot behind the eye found in *zenkeri*, although agreeing with the latter in most other respects in facial pattern and body colour.

Pohle considered that some of the characters of *ophiodon*, particularly those of the cheek teeth, showed affinity to *Casinycteris argynnis*, whose close external similarity to *Scotonycteris* has been commented on by Andersen (1912); in fact Pohle expressed the view that the extraordinary shortening of the palate in *Casinycteris*, the chief diagnostic feature of the genus, is merely an abnormality, akin to the "cleft palate" sometimes found in mammals, and as such to be discounted. Moreover, he also took the view that even if it were not an abnormality in itself, such a feature, being found nowhere else in the Megachiroptera, should not on the evidence of one skull be regarded as a character of sufficient stability to justify the founding of a genus. On these grounds he proposed to relegate *Casinycteris* to the synonymy of *Scotonycteris*, while retaining the species *argynnis*. Unfortunately for this theory, however, it must be pointed out that Pohle's declaration that only the type skull is known of *argynnis* indicates that he overlooked the fact that at the time at least two other skulls of this rare bat had been reported on. One was recorded by J. A. Allen (1917) from the Eastern Congo (with comments on its peculiar skull and palate by Lang and Chapin (1917a); another was recorded from the Uele District of the Eastern Congo by Schwarz (1920), who gave measurements showing a similar extreme shortening of the palate as in the type. In view of these facts it seems clear that Pohle's dismissal of the chief generic character of *Casinycteris* as an abnormality must be disregarded, and that the genus must stand.

Although the heightening of the inner cusps of the cheek teeth in *ophiodon* and *cansdalei* is a feature more nearly approaching the dentition of *Casinycteris argynnis* rather than *Scotonycteris zenkeri*, the normal palate makes inclusion in the former genus out of the question; the prominent secondary cusps on all canines form the most marked feature in which both *ophiodon* and *cansdalei* differ from both *S. zenkeri* and *Casinycteris*, but I am not prepared to add a generic or subgeneric name to the

p. 770

literature on that account. I have used a subspecific name for this Gold Coast *Scotonycteris* chiefly for convenience in expressing its relationship to *ophiodon*, but am quite prepared to find eventually that *cansdalei* will be raised to specific rank; the cranial differences, particularly the absence of a basicranial deflection, combined with the external difference in the head markings, may later be regarded as of specific value.

The discovery in the Gold Coast of this most interesting fruit bat by Mr. Cansdale, whose name I am glad to link with it, shows that special search for Chiroptera in the forest zones of Africa is likely to produce yet more surprises, both in new forms and in furthering our knowledge of the distribution of species already known elsewhere.

Scotonycteris zenkeri occidentalis Hayman, 1947

p. 503

Type. - British Museum number 46.898, adult female skin and skull (originally an alcoholic specimen). Collected at Oda, Oda Province, Gold Coast, 1946, by G. S. Cansdale. "Found sleeping in plantain leaves. G. S. Cansdale."

Diagnosis. - In size, form, cranial and dental characters as well as face markings, similar to *Scotonycteris zenkeri* Matschie (1894), whose distribution is limited, so far as is known, to the Cameroons and Fernando Po, but general colour considerably darker, the overall hue above being sepia rather than russet or rust-brown.

As in *S. zenkeri*, the dorsal hairs have three distinct colour-zones, a very dark brown basal third, a pale grey median zone, and a terminal zone of sepia instead of the russet or rust-brown of *zenkeri*, giving the animal its distinctive dark appearance. On the head the white markings are well denned, the white patch on the rostrum extending back to the level of the anterior angle of the eye, and the white spot behind each eye, being similar in size and position to those found in zenkeri. Below, the rather sparse hairs on throat and sides of the neck are whitish, and a narrow line of white hairs runs forward from the angle of the mouth for a short way along the upper lip. The centre of the chest and abdomen is greyish white, rather sharply differentiated from the brown flanks. As compared directly with two specimens of *zenkeri* (including the type of *S. bedfordi* Thomas (1904) = *zenkeri*) it is noticeable that the general darkening extends to the wing-membranes, which are dark chocolate instead of light brown. The collector's notes on colour of the fresh specimen tally with the description given above, so that there is no question of the colour having changed as a result of a brief immersion in alcohol.

p. 504

Measurements. - Head and body 70 mm., hind foot 13, ear 13, forearm 52, pollex 19, fifth metacarpal 32. Skull: total length 24.6, palatal length 13, post-dental palate 4, rostrum (front of orbit to tip of nasals) 6.7, breadth of brain-case at zygomatic roots 11.7, zygomatic breadth 15.9, breadth across crowns m^1-m^1 7.6, breadth across crowns of upper canines 5.6, interorbital breadth 5, upper toothrow c-m^1 7.9.

Palate ridges. - Andersen's description (1912) of the palate ridges in *S. zenkeri*, as shown also in the figure given by Matschie (1899), applies also to those of *occidentalis*, in that there are six main ridges separated by a narrow space from five weaker and more crowded posterior ridges. There is also a weak ridge between the incisors and canines, not mentioned by Andersen, but indicated in Matschie's figure.

Remarks. - The discovery in the Gold Coast of a local race of *S. zenkeri*, itself a rarity in collections and restricted to the Cameroons and Fernando Po, comes soon after Mr. Cansdale's capture of a Gold Coast race of *S. ophiodon* Pohle (1943), which, like *zenkeri*, was previously known only from the Cameroons. The collection in 1946 of *S. ophiodon cansdalei* Hayman (1946) and of *S. zenkeri occidentalis* demonstrates that our knowledge of the distribution of African bats is still far from complete.

Scotophilus Leach, 1821

p. 69

Gen. 3. *Scotophilus*

Dentes incisores $^4/_6$: *superiores* inæquales: lateralibus brevioribus bifidis.
inferiores subtrifidi.

--- *molares* $^8/_8$, processibus acuminatis armati.

p. 71

Gen. 3. *Scotophilus*

Dentes incisores $^4/_6$: *superiores* inæquales, acuminati: intermedii longiores, simplices; laterales æqualiter bifidi.
inferiores obsoletè trifidi.

--- *lanarii* $^2/_2$: *superiores* longiores, ad latus posticè processu armati.
interiores ad latus anticè processu armati.

--- *molares* $^8/_8$, processibus acuminatis armati.

p. 72

Pedes antici indice 1-articulato: digito medio 3-articulato; digitis quatro et quinto 3-articulatis.

--- *postici* digitis mediocribus, subæqualibus: *Ungues* compressi, arcuati: *Membrana* ad caudæ apicem producta, hinc posticè acuminata: *Suspensorium* flexuosum, in membrana inclusum.

Aures distantes: *Auriculæ* parvæ.

Cauda ad membranæ apicem producta: articulis quinque osseis exsertis.

Scotophilus albofuscus Thomas, 1890

p. 84

Size small; body: stout and heavy compared to the size of the wings. Head very broad and flat; muzzle considerably swollen, the glandular prominences much developed. Ears rather thick and fleshy, especially along their outer edge; laid forward they reach to just about halfway between the eye and the tip of the nose; their internal basal lobe scarcely developed at all; inner margin nearly straight, tip narrowly rounded off; outer margin evenly convex in its upper third, slightly concave in its middle third and terminating in a long fleshy lobule running forwards towards the angle of the mouth. Tragus unusually short (see measurements below), its inner and outer edges straight and nearly parallel, tip broadly rounded off, external basal projection fairly well developed. Wings to the metatarsus. Post calcaneal lobe broad and prominent. Extreme tip of tail projecting.

Fur short and close, scarcely encroaching at all upon the membranes or limbs. Colour of body above and below dark umber brown; naked skin, of all those parts which are visible when the wings are folded dark brown or black, i.e. muzzle, ears, lines of arms, forearms and fingers, wing membranes internal to a line drawn from the elbow to the knee, and whole of hind-limb, interfemoral membrane and tail; on the other hand

p. 85

some of the more aberrant species of *Vesperugo*, and especially from those placed by M.r Dobson in his subgenus *Scotozous*, to which perhaps it may be thought the new species should have been referred. *Scotozous* was founded on the Indian *V. (S.) dormeri*, Dobs., a species with all the *facies* of a *Vesperugo*, with two upper premolars, and with a long and pointed anterior lower premolar, these characters being strictly those of *Vesperugo*, from which in fact it only differs by having but one upper incisor on each side, as in *Scotophilus*. On the other hand the second species referred to the subgenus by M.r Dobson, "*Nycticejus schlieffeni*" Peters, ought, it appears to me, to be rather called a *Scotophilus*. Before entering into this point however, some reference to its specific history is unfortunately necessary, as there has been considerable confusion in regard to it.

Its first description was given by D.r Peters in 1859 unless, *Vespertilio marginatus*, Cretzschm. be the same species, but the type of, the latter form was distinctly stated by Blasius to be referable to *Vesperugo kuhli*, Natt., and if he was right the species will stand under Peters's name. In 1878 M.r Dobson referred the bat, with one Museum specimen, to his subgenus *Scotozous*, of the genus *Vesperugo*, but at the same time, misled by an erroneous locality, he placed a second specimen of it under *Scotophilus pallidus*, a species described by him two years previously in India. That this specimen was wrongly named has since been proved by the receipt of genuine examples of *S. pallidus* from India, but in the mean time a comparison with it had caused the Marquis G. Doria and myself to refer to *S. pallidus* a bat from Massowa collected by Signor Gustavo Frasca; this extension of the range of the latter, commented upon by us at the time, must now be cancelled, the bat being, like the

p. 86

[there seems to be something wrong with the sequence here. Some text seems to be missing. - eds.]

the wing-membrane external to the same line is pure white "above and below, contrasting very markedly with the dark skin of the limbs and digits.

Number of teeth strictly as in *Scotophilus*. Upper incisors long, slender, unicuspid, close to the canines; without posterior ledges, but each with a very minute postero-external basal cusp. Lower incisors tricuspid, overlapping, placed at right angles to the direction of the jaws. Anterior lower premolar not as in *Scotophilus*, crushed in between the posterior one and the canine, but more as in *Vesperugo*, long, as long as the posterior one, and quite as large in section basally, its long simple cusp directed somewhat outwards, out of the general line of the teeth.

Measurements of the type, an adult male, preserved in spirit: Head and body 50 mm.; tail 31; head, length 17, breadth of muzzle across eyes 10.8; ear, length above crown 8.8, from base of outer margin 14.5; tragus, length of inner margin 2.0, of outer margin 3.7; forearm 31 (= 1.22 in.); lower leg 12; hindfoot without claws 7.1; calcaneum 13.

Hab. Bathurst, River Gambia. Collected by D.r Percy Rendall.

This species may be readily distinguished from all its allies by its white wings, which contrast very markedly with the dark coloured body and limbs, all the other known members of the genus having the body and wings more or less uniformly coloured. In this respect the bats of the Gambia present rather a remarkable instance of geographical isomorphism, a considerable proportion of the smaller forms, belonging to several different genera, being dark with white wings, a style of coloration comparatively rare elsewhere.

D.r Rendall is to be congratulated on his discovery of this striking species, which forms a worthy companion to the *Vesperugo (Vesperus) rendalli* described by me last year.

The characters of *Scotophilus albofuscus* add still further to the difficulty of properly distinguishing the genus Scotophilus from

p. 87

specimen with which it was compared, an example of *S. schlieffeni*. Finally in 1887 D.r H. Noack, when determining bat from Marungu, Central Africa, thinking (and as I believe rightly) that he had before him a true *Scotophilus*, described it as new under the name of *S. minimus*, but his detailed description leaves no doubt as to its identity, with *S. schlieffeni*, with which he naturally did not compare it, owing to the latter form being referred to *Vesperugo* in D.r Dobson's classical work.

Now this animal, round whose history so much confusion has gathered, has distinctly the general facies of *Scotophilus*; it has ordinarily no minute anterior upper premolar, and the corresponding tooth in the lower jaw is as small and almost as much crushed in between its neighbours as is the case in several of what are admittedly *Scotophili*. It is true that it has occasionally an anterior upper premolar, but this only occurs in one of the many specimens known to science, and may be simply an individual

variation, perhaps due to atavism. In fact M.r Dobson's own reference of a specimen of it to "*Scotophilus" pallidus*, and D.r Noack's description of it as "*Scotophilus*" minimus as already referred to, both strongly support this view.

But even if *S. schlieffeni* is a *Scotophilus*, it by no means follows that *S. albofuscus* is, for the latter is still further away from the typical members of the genus, owing to its long uncrowded anterior lower premolars, which agree more with those of the true *Vesperugo* or of *Scotozous dormeri*. In fact it tands in regard to the latter form just where *Vesperus* does to *Vesperugo, Glauconycteris* to *Chalinolobus*, and *Dasypterus* to *Atalapha*, differing, so far as dentition is concerned, only by the absence of the minute upper premolars. But whatever may be

p. 88

the ultimate arrangement of these various annectent species, it seems better for the present to call the new form a *Scotophilus* on account of its dental formula, irrespective of the shape of the teeth, rather than to consider it a member of the large genus *Vesperugo*, in which the number of its teeth would necessitate the foundation of a new subgenus for its reception.

There is another bat whose claim to generic distinction is considerably weakened, if not, as I believe, altogether removed, by the discovery of *Scotophilus albofuscus*, namely the American species called by D.r H. Allen and others "*Nycticejus crepuscularis*". This bat's sole, or at least chief, generic characteristic lies in the uncrushed state of its anterior lower premolars, a peculiarity which as already stated, *S. albofuscus* shares with it, while geographical considerations would prevent the two species from being regarded as specially closely related. It may also be noted that since Rafinesque's *Nycticejus humeralis* is, as D.r Allen has suggested, no doubt identical with Le Conte's "*N. crepuscularis*" and is earlier in date, the species ought to bear the former instead of the latter specific name. Its proper designation would therefore appear to be *Scotophilus humeralis*, Raf.

Scotophilus alvenslebeni Dalquest, 1965

p. 258

Type. - Adult male, skin and skull, no. 18767 Walter W. Dalquest, Midwestern University Collection, taken on the south bank of the Save River, 212 km SSW Beira, Mozambique.

Diagnosis. - A very large, dark *Scotophilus*, exceeded in size only by *Scotophilus gigas* among bats of this genus known from the African mainland. Sagital crest enormously developed, extending posteriorly over the occiput in an exaggerated crescent. Forearm, 77 mm; condylobasal length of skull, 26 mm.

Comparison. - This species needs comparison only with *Scotophilus gigas* Dobson, for no other *Scotophilus* from the African mainland approaches it in size. I have not seen specimens of *S. gigas*, but the forearm of that species is said to be more than 85 mm in length (Ellerman, Morrison-Scott and Hayman, p. 85), which is considerably greater than that of *alvenslebeni*. The fur of *alvenslebeni* is dark sooty or dusky brown. The ears and membranes are black. *S. gigas* is yellow in color. *S. alvenslebeni* has not been compared with *S. robustus* of Madagascar, but it is highly improbable that the insular form would occur on the African mainland.

Measurements. - External measurements of the type and only known specimen are: total length, 175; length of tail, 77; length of hind foot, 14; height of ear from notch, 20; height of tragus, 9. Cranial measurements are: length of skull from canines, 31.0; condylobasal length, 26.2; zygomatic breadth, 20.0; braincase breadth, 14.8; width across upper M3's, 12.4; width across upper canines, 9.6; upper canine-M3 length, 9.9; mandible length plus incisor, 21.4; lower canine-M3 length, 12.1; forearm, 77.

Remarks. - The type was shot as it flew over the camp clearing at Zinave in the late evening. The species is named for Baron Werner von Alvensleben, in partial recognition of his labors in behalf of our work in Mozambique.

It seems unlikely that this form will be found to intergrade with *S. gigas*. *S. gigas* is known from Nigeria, Nyasaland and Southern Rhodesia. The specimen from Southern Rhodesia is in the British Museum, and has a forearm in excess of 85mm. The forearm of the" type, from Nigeria, has a forearm 3.4 inches (85 mm). The Southern Rhodesian bat thus does not approach *S. alvenslebeni* in size.

Scotophilus angusticeps Shortridge and Carter, 1938

p. 282

Scotophilus angusticeps sp. n.

Two specimens ♀♀ from near Citrusdal.

General colour above drabby umber-brown (rather as in *Eptesicus capensis*), without gloss or sheen; below light drabby brown, centre of abdominal and anal regions strongly washed with rufous, throat tinged with sienna-brown; base of fur, above and below, dark seal-brown; ears and flying membranes dusky black.

Type (in the Kaffrarian Museum). - Adult female, original number 1937, collected 28th December 1937 at Hex River Estate, 10 miles north of Citrusdal, N.W. Cape Province.

Co-type. - Adult female, original number 3308, collected 3rd January 1938.

Dimensions of Type and Co-type. - H. and b., 77 (74); tl., 58 (57); hf., 12 (11.5); ear, 18 (17.5); forearm, 53 mm.

Skulls. - Total length, 20; basal length, 17(17.2); zygomatic width, 13.5; width of brain case, 10 (9.5); interorbital constriction, 4.5; length of palate, 9; upper dental series (from front of canine), 7 (7.5); lower dental series (from front of canine), 7.5 (8); mandible, 16 (15.5); height of brain case, 7.5 mm.

Skull flatter, less massive and with a markedly narrower zygomatic width than in *S. nigrita dingaani* or *S. n. herero*; cranially *S. n. herero* is in some respects intermediate between *S. n. dingaani* and *S. angusticeps*, although much more closely resembling the former.

Scotophilus damarensis Thomas, 1906

p. 175

Quite like *S. nigrita herero*, but markedly smaller. Colour above similarly "wood-brown." Below it is a pale whitish brown, without the buffy tone generally present in *herero*.

Dimensions of the type: -

Forearm 48 mm. (other specimens up to 51).

Skull: greatest length to occipital crest 17.3; zygomatic breadth 12.6; interorbital breadth 7.2; palate length in middle line 6.7; front of upper canine to back of m^3 6.5; greatest breadth of palate between outer corners of m^2 8.1; front of lower canine to back of m_3 7.

Hab. Elephant's Vley, Northern Damaraland.

Type. Male. Original number 276. Collected 10th August, 1859, by C. J. Andersson and received in the Tomes Collection. Four specimens.

Mixed up with the series of *S. nigrita herero* there occur four specimens of this smaller bat, otherwise indistinguishable from its larger ally, to which it would bear the same relationship that in Nigeria *S. nigritellus*, de Wint., does to the true *S. nigrita*. But as it is not quite so small as *nigritellus*, and specimens from the intermediate area are not yet known, I give it a binomial name, though I think it will very probably prove to be a subspecies of that form, from which it may be readily distinguished by its pale brown colour.

Scotophilus darwini Tomes, 1859

p. 70

The next species which I have to describe has been presented to me by Mr. Darwin, with the information that it had been received from the Canary Isles.

In a collection of Bats from Madeira, given to me also by Mr. Darwin, I could only enumerate two species, both European, viz. *S. leisleri* and *S. marginatus*; and I was somewhat surprised to find in the present species one which I had not before met with. None of the descriptions of African species in the works of Temminck, Wagner, Peters, Smith, and others, apply to this species; and I therefore regard it as new, and describe it as follows: -

It is one of the same group as the species just described, and as the *S. kuhlii* and *S. pipistrellus* of Europe. It is characterized by a somewhat more robust make than these species, and has rather broader ears and tragi.

The head is rather broad and flat, the crown being but little raised above the facial line; the glands of the lips are considerably developed, and bulge sufficiently to occasion the nostrils to open nearly straight forward, although the interruption in the outer margins of the latter sufficiently indicates that with a more pointed

p. 71

muzzle they would open sublaterally; were the specimen taken from the spirit in which it is preserved and dried, it is probable that this would be the case. In the middle of the face is a kind of hollow, occasioned by the labial glands on each side being developed in an upward direction, thus leaving a depression between them*. Between the nostrils is a space of moderate extent, and but very faintly emarginate. The ears are rather large, triangularly oval, as broad at the base as they are long, and have their tips brought to a rounded point; about the middle of their outer margin they have a distinct but shallow notch, below which is a lobular portion, as in many other species of this group, but differing from all others which I have seen in having a small but very well-defined notch about its middle. These organs altogether are more like those of *S. kuhlii* than of any other species, but are larger, besides having the double emargination just noticed**. The tragus is rather short and broad, curved inwards, and with the end very much rounded; on its outer margin, near the base, is a projecting angular point, without any accompanying notch.

The wing-membranes extend to the base of the toes, and the latter are half the length of the foot. The thumb is moderate, with the basal phalange much the shortest. The terminal vertebra of the tail is free.

The fur of the head extends forwards to between the eyes, and thence in a narrow strip towards the nose. Over each eye is a wart bearing a bundle of stiff hairs; and a similar tuft springs from the top of the labial glands; the upper lips are also slightly fringed with similar hairs, most conspicuous about the corners of the mouth. The remainder of the face, the ears, and the tragus are naked. The fur of the back spreads on the upper surface of the interfemoral membrane, sparingly, for nearly half its length, as in *S. kuhlii*, and similarly to a small extent on the membranes near the sides of the body. Beneath, the membrane immediately around the pubes is dusted with very short hairs, more abundant on the vertebræ of the tail than elsewhere. On the membrane contiguous to the sides of the body, fur of a much longer kind extends, to a much greater degree than in *S. kuhlii*.

On both surfaces of the body the fur is bicoloured: above, very dark brown at the base, tipped with lighter and more rufous brown, that on the membranes wholly of the latter colour; beneath, it is dark at the base, tipped with paler brown, with less of the rufous tinge than that of the upper parts. On the under surface of the membranes the fur is uniformly of the same colour as the tips of the hairs on the belly, but on the pubes it is paler. Membranes dark brown.

Such appear to be the colours of the fur, so far as can be gathered from the examination of a specimen in spirit; but it is necessary to

* In the *Romicia calcarata* of Dr. Gray the lip-glands are so much developed as to leave a deep pit between them. It belongs to the present group.

** I am here comparing a specimen in spirit with others in skin, - a plan not always attended with perfectly satisfactory results.

p. 72

consult others in skin before this point can be determined with accuracy.

Although in its external appearance *S. darwini* bears considerable resemblance to *S. kuhlii*, it differs, besides having a somewhat differently shaped ear and broader tragus, in the form and arrangement of the fore teeth. In *S. kuhlii* the upper incisors are rather long and slender; the inner ones are deeply forked at their apices, and longer than the outer ones, which are slender and pointed, somewhat like, small canines; and there is a visible interval between the points of the inner and outer ones. In *S. darwini*, on the contrary, they are short and obtuse, of nearly equal length, the inner ones faintly cleft at their points, and the outer ones so closely packed to them as to leave no space even between their points. Again in *S. kuhlii* there is a space between the canine and the "*carnassier*" or sectorial tooth; in which is placed a small and conical premolar, within the line of the teeth, but distinctly visible from the outside; whereas in *S. darwini* the canine and the "*carnassier*" are contiguous, and there is a very small anomalous premolar placed in the inner angle formed at their bases, visible only from inside.

These differences in the dentition are alone sufficient to distinguish the species from *S. kuhlii*. From *S. marginatus*, *S. ursula*, and *S. nathusii* it may be also recognized by the form of the upper incisors; and these are the only European species with which it could be confounded.

" ""
Length of the head and body: 2 1
------ of the tail: 1 5
------ of the head: 0 8
------ of the ears: 0 $4^1/_2$
------ of the tragus: 0 2
Breadth of the tragus: 0 $1^1/_2$
Length of the fore-arm: 1 5
------ of the longest finger: 2 6
------ of the fourth finger: 1 8
------ of the thumb: 0 2
------ of the tibia: 0 $6^1/_4$
------ of the foot and claws: 0 3
------ of the *os calcis*: 0 5
Expanse of wings: 9 9

Hab. Palma, Canary Isles.

Obs. The Madeiran species being European ones, and one of them African also (i. e. *S. marginatus*), renders it not unlikely that the species inhabiting the Canaries may also occur in Africa, and perhaps in Europe. With a view to the chance of this, I have compared this species with what now remains of the types of *Vespertilio aristippe, V. leucippe, A. alcythoe, V. vispistrellus*, and *V. savii*, but find nothing which leads me to regard it as referable to any of them; and I have therefore given such a detailed description as will be amply sufficient to distinguish it from all recorded European species.

Scotophilus gigas Dobson, 1875

p. 122

Ear-conch and tragus like those of *S. borbonicus*, Geoffr.; but the internal basal lobe of the ear is more rounded and its inferior horizontal margin is straight, not in the least degree concave; the upper third of the outer margin of the conch is slightly but distinctly concave; and the tragus has the narrow ridge, proceeding from the base of its inner margin across its front margin, as well developed as in *S. Temminckii*.

Wings to the metatarsus near the base of the toes; last two caudal vertebræ and half the third last vertebra free.

Fur above deep chestnut, beneath yellowish white. The fur on the upper surface is short and does not extend anywhere upon the membranes, terminating by a well-defined line, and not extending posteriorly as far as the root of the tail; beneath, the wing-membrane is thinly covered as far as a line drawn from the elbow to the knee-joint, and a band of fur passes outwards, posterior to the forearm, to the carpus, as in *Vesperugo noctula*. The face in front of the eyes is nearly naked.

Upper incisors with a posterior horizontal expansion of the cingulum, as in *S. borbonicus*; lower incisors crowded. The other teeth as in *S. Temminckii*.

Length (of an adult female preserved in alcohol), head and body 4.6 inches, tail 3.6, tail free from membrane 0.35,

p. 123

head 1.45, ear 0.9, tragus 0.45 X 0.1, forearm 3.4, thumb 0.7, second finger 5.75, fourth finger 4.15, tibia 1.4, foot and claws 0.75.

This is by far the largest species of the family Vespertilionidæ yet described, its forearm exceeding that of *Vesperugo molossus* (hitherto known as the largest species) by half an inch, and exceeding by quite one inch the forearm of the largest species of *Scotophilus*.

Hab. Lagos, west coast of Africa. Type in the collection of the British Museum.

Scotophilus hirundo de Winton, 1899

p. 355

Colour of the body above mouse-grey, beneath silvery white; wings and interfemoral membrane wholly dark, with perhaps the exception of the postcalcaneal lobe, which in the dry skin appears pale grey. The tragus is short and rounded, spatulate in form as in *S. albofuscus*, with which species the dentition also closely agrees.

Type no. 99.6.15.8 in British Museum.

Sex not known. Gambaga, 1300 feet, 30th Nov., 1898.

Measurements (taken from the dry skin): -

Head and body c. 43 millim.; forearm 31.5; thumb 5.3.

Measurements of skull: -
Greatest length 14.5; across brain-case 9; between

p. 356

orbits 6 9; tip to tip of canines 4.1; tip to tip of incisors 1.9; front of canine to back of molar series 5.2; front of palate to foramen magnum 10; mandible, greatest length 10.2, height at coronoid 4.2.

The canines have a deep broad groove in front, the tips diverging; the incisors are strongly convergent. The lower incisors are not crowded, but grow in the direction of the jaws. The first premolar in the lower jaw is large and longer than the second premolar.

In all important characters this new species closely resembles *S. albofuscus*, the colour of the fur and win gmembranes alone distinguisheing the two species. There can be no doubt that these two species should be placed in a distinct genus from *S. nigrita* and company, the form of the canine teeth alone being a sufficient reason; but provisionally I follow Mr. Thomas (Ann. Mus. Genov., Feb. 1890, p. 3) in placing them in this genus until the whole of this group of bats shall have been worked out.

Scotophilus minimus Noack, 1887

p. 280

(Vergl. Taf. X, Fig. 36 - 37.)

LEACH in: Transact. Linn. Soc. XIII, S. 71; PETERS, Säugethiere S 65 - 67; PETERS in: M. B. Berl. Acad. 1866, S. 679; DOBSON in: Proc. L. Z. Soc. 1875, S. 369; DOBSON, Catalogue of the Chiropt. S 256 - 266.

Nachdem LEACH die Familie *Scotophilus* 1820 aufgestellt hatte, bestimmte PETERS den Namen *Scotophilus* für die östlichen, *Nycticejus* für die amerikanischen Arten, denen nahe verwandt ist die Gattung *Atalapha*.

Diagnose von *Scotophilus* nach DOBSON:

Körper klein, mit starken kurzen Beinen und starker Flughaut. Kurze konisch abgestumpfte nackte Schnauze, Nasenlöcher ziemlich genähert, vorn nach der Seite geöffnet, mit vorgestrecktem innerem Rande, Ohr länger als breit, kurzer als der Kopf,

oben gerundet, der untere Rand hinter dem Mundwinkel nach vorn und in einer convexen Grube in die Höhe gezogen, Tragus zugespitzt, Schwanz kürzer als Kopf und Leib, nur die Spitze zwischen der Flughaut frei, Sporn schwach. Flughaut zwischen den Schenkeln dick und lederartig. Schädel dick, Hinterhaupt concav; die Gaumenplatte endet hinter M 3 M in der Mitte der Jochlbogen, Raum zwischen den Bullae aud. breit. Färbung olivellbraun oder kastanienbraun, unten gelblich weiss.

Zähne I $^{1+1}/_{6}$ C $^{1}/_{1}$ P $^{1+1}/_{2}$ M $^{3}/_{3}$. Pullus mit einem kleinen 2. Schnedezalhn aussen. Schneidezähne mit Basalwulst, stark nach hinten und innen gerichtet mit einer Furche. Der Untere erste Praem. klein.

Scotophilus minimus, F mit Schädel, Qua Mpala, Marungu. August. Der ohne Schwanz nur 34 mm lange *Scotophilus* unterscheidet sichh schon durch seine Zwerggestalt von allen bisher bekannten afrikanischen Arten und hat nur in dem australischen *Scotophilus greyii* einen eben zo kleinen Genossen. Im Habitus und der Färbung hat er Aehnliehkeit mit dem fast doppelt so grossen *Scotphilus borbonicus*

p. 281

(vergl. v. d. DECKEN, Reise, S. 7; DOBSON in: Proc. L. Z. S. 1875, S. 376), ebenfalls mit dem noch grösseren *Scotophilus temminckii*. Nase und Lippen sehr wenig behaart, schwärzlich, Nasenkuppe nackt, gespalten, braun, die Nasenlöcher mit wulstigem Rande, 1 mm von einander enfternt, Lippenränder warzig, Mundspalte reicht hinter das Auge, letzteres nahe am Ohr, 1 mm entfernt, von der Nase 5 mm, Wangen dünn behaart, Ohr nackt, gelbbraun, elliptisch Zugespitzt, hinterer Ohrrand unten nach vorn umgelegt und mit einem Zacken fast bis zur Mundspalte reichend, Tragus über $^{1}/_{2}$ Ohrlänge, schmal elliptisch, in der Mitte mit einer Grube. Ohren vorn 8 mm von einander entfernt, Flughaut stark, braun, zwischen den Schenkeln gelbbraun, an den Seitell mit starken Papillen, zwischen den Schenkeln mit 8 hellen Querstreifen ähnlich wie bei *Plecotus auritus*, zwischen denen Längenpapillen stehen.

Daumen frei, an den Seiten reicht die Flughaut bis zu den Zehen, hinten bis zum Fersengelenk, 5 mm vor der Schwanzspitze mit starker Ausbuchtung, Beine kurz, kräftig, Füsse kurz, breit, Nägel kurz, gelbbraun. Schwanz stark, nach der Spitze verjüngt, 1 mm frei. Färbung oben hell olivengelbbraun, unten an der Kehle mehr gelb, Seiten hell umbra, Haar lang, fein und dicht. Flughaut unbehaart, nur die vordere Hälfte des Humerus behaart, Körper 34, Schwanz 23, Ohr 8 lang, 7 breit, Tragus 5 lang, 1.5 breit. Humerus 17, Radius 29, Daumen a 1.5, b mit Nagel 4.5; I 20; II a 30, b 12, c 12; III a 30, b 12, c 7; IV a 29, b 8, c 5. Femur -, Tibia 11, Fuss 5.5.

Schädel. Schnauze breit, Orbitalrander vorn wulstig, kleine Scheitelleiste, Schädelkapsel gewölbt, blasing nach hinten aufsteigend, Hinterhaupt schräg nach vorn abfallend, nach oben spitz zulaufend, keine Hinterhauptleiste über dem For. occipit., Bullae aud. bestehen aus 2 hinter einander liegenden Kapseln, deren vordere flache die grosse Ohröffnung enthält. Hinterhauptloch 3 mm breit, 2 hoch, Jochbogen zart, sehr dünn, in der Mitte hochgezogen, hinter M 3 beginnend und vor der Ohröffnung endend, Einschnürung zwischen den Augen mässig, Gaumen sehr gewöhlt, hinten 1 mm hinter M 3 gradlinig endend, hinten nach unten gezogen, wie bei *Epomophorus*, Zahnfläche concav, vorn nach oben gezogen, Zwischenkiefer knorpelig, Nasenöffnung klein, Scheitellänge 13.5, Scheitelbreite 6, zwischen den Augen 4, Breite zwischen den Jochbogen 9, Gaumenlänge 6, Breite zwischen M 3.5, zwischen C 3, Zahnreihe 7, Jochbogen: Länge von M 3 an 3.5.

p. 282

Unterkiefer. Horizontaler Ast gerade, unten wenig gebogen, aufsteigender Ast nach oben gezogen, Rahenfortsatz gross, dreieckig, hinter M 3 steil etwas nach vorn gerichtet aufteigend, die Spitze nach aussen gebogen, Condylus liegt dicht über dem kleinen mit der Spitze nach unten und aussen gebogenen Eckfortzatz. Länge bis zum Condylus 9.5, Höhe des horizontalen Astes 1.5, Zahnreihe 5.5; Breite bei M III 4, Rabenfortsatz 3 mm hoch.

Zähne wie oben angegeben, gelblich transparent, die beiden kleinen I oben mit Basalwulst, Spitzen nach innen, hinten ausgekehlt; C 1.5 lang, hinten aussen und breiter innen ausgekehlt mit scharfer Kante dazwischen, hinten und vorn kleiner Basalhöcker, P = $^{2}/_{3}$ C, aussen C-artig, ausgekehlt, innen hinten mit tiefer M-artiger Furche, deren vordere Leiste gebogen, kleiner scharfer innerer Seitenhöcker. M I und II identisch, dreizackiger, in der Kaufläche W förmiger, innen durch eine tiefe Furche getheilter Aussenhöcler, Aussenzacken 1 und 3 nach hinten und vorn gerichtet, scharfer Innenhöcker über $^{1}/_{2}$ M hoch. Basalwülste aussen unbedeutend, M III verkleinert, hinten nach oben gezogen, 1 scharfer hinten ausgekehlter Aussenzacken, 2 niedrigere ausgekehlte mittlere und ein niedriger mehr nach innen gerückter Innenzacken.

Unten die 6 kleinen I dreilappig auf hohen schmalen stielartigen Wurzeln, C 1 mm hoch, hinten ausgekehlt mit Basalwulst. Alle Basalwülste unten stärker als oben. P I sehr klein, P II grösser, C-artig, zweiwurzlig, Höhe $^{2}/_{3}$ C, hinten stark ausgekehlt, innen vorn und hinten mit kleinem Basalhöcker, M identisch, mit 3 hohen innen ausgekehlten Aussenzacken und 2 kleineren Innenzacken, der hintere AUssen- und Innenzacken bei M III niedriger. Die Details der Zähne nur bei starker Vergrösserungl zu erkennen, Höhe der sehr spitzen Aussenzacken 0.75 mm.

Von *Scotophilus* leben ausser *minimus* in Afrika: *borbonicus* quer durch Afrika, *gigas* in West-Afrika; *temminckii* in Südost-Asien, *heathii, pallidus, ornatus, coromandelicus* und *emarginatus* in Indien, *rueppellii* and *greyii* in Australien

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Scotophilus nigrita colias Thomas, 1904

p. 207

A richly yellow (almost orange) bellied race of *S. nigrita*.

General characters as in this species, which is Dobson's "*S. borbonicus*." Fur long, rather shaggy; hairs of back 8 - 9 mm. in length. General colour above (of the tips of the hairs) olivaceous, but the bases of the hairs are a dull sulphur-yellow, which shows through on the upper surface. Below,

p. 208

the central line is a rich chrome-yellow, deepening laterally on the sides of the belly fo a golden yellow, which is especially bright on the broad band of fur extending on the wing-membrane between the elbows and knees.

Dimensions of the type: -

Forearm 55 mm. (57 in a second specimen).

Skull: greatest length 20.5; zygomatic breadth 14.5; cheek-tooth series 5.7.

Hab. Fort Hall, Kenya District, British East Africa.

Type. Male. B.M. no. 2.7.6.11. Original number 107. Collected 25th Jan., 1902, and presented by Mrs. Hinde.

The bats referable to *S. nigrita* seem divisible by colour into several geographical subspecies, of which *S. n. Dingani*, Smith, would be the Cape one, and *S. n. leucogaster*, Cretzschm., the Abyssinian. Specimens representing the true Senegalese *S. nigrita* and the Mozambique forms described by Peters are still wanting to the Museum Collection.

From any member of the group as yet described *S. n. colias* seems readily distinguishable by its brilliantly yellow under surface.

Scotophilus nigrita herero Thomas, 1906

p. 174

Hairs of back about 5.5 mm. in length.

General colour above "wood-brown," the hairs rather paler though not yellowish, towards their bases. Below dull "cream-buff."

Dimension of the type: -

Forearm 59 mm.

Greatest length of skull 20.1. Front of canine to back of m^3 7.1.

Hab. Northern Damaraland. Type from Elephant's Vley, about 18° S., 17° 30' E. Other specimens from Otjoro.

Type. Female. Original number 260. Collected 8th August, 1859, by Mr. C.J. Andersson, and received in the Tomes Collection. Twenty specimens examined.

This is the bat referred by Mr. Tomes to *Nycticejus planirostris*, Peters, but it is far paler, both above and below, than either that or any other described race of the widely distributed *S. nigrita*. The variation in colour among the large series collected by Mr. Andersson is much less than one would gather from Mr. Tomes's note. I can find no specimens which are anything like "as dark in colour as the

p. 175

figure given by Dr. Peters." Nor, in fact, in view of the faunal characteristics of the two regions concerned, would one expect to find any that were so.

Scotophilus nigrita nux Thomas, 1904

p. 208

A chestnut-brown subspecies of *S. nigrita*.

General characters of the smaller forms of the widely distributed *S. nigrita*. Fur short, close and fine; hairs of back about 5 mm. in length. Colour above uniform chestnut-brown, or "burnt umber" (Ridgway), the bases of the hairs slightly paler than the tips; very different therefore from the other pale brown or olivaceous representatives of the species. Under surface a rather lighter brown, approaching "russet" (Ridgway), the other forms being all yellowish or whitish below. Fur of body scarcely extending on the wing-membrancs below.

Dimensions of the type (measured in spirit before skinning): -

Forearm 55 mm.

Head and body 70; tail 47; ear 15.

Skull: greatest length 20.5; zygomatic breadth 14.7; upper cheek-tooth series 5.8.

Hab. Efulen, Cameroons.

Type. Adult male. B.M. no. 3.2.4.5. Collected by Mr. G. L. Bates.

Although conspicuously different in colour from any of the known forms of *S. nigrita*, this bat so clearly represents that species in the West-African forest country that for the prepent I prefer to give it only subspecific rank.

Scotophilus nigrita pondoensis Roberts, 1946

p. 304

Differs from *S. n. dinganii* (A. Smith, *S. Afr. Quart. J.* II, 59; 1834: 'Between Port Natal and Delagoa Bay') in its much darker shade of colour, like the

p. 305

smaller species *S. viridis* (Peters), above 'antique brown', below near 'cadmium yellow'.

Type: In the South African Museum, Cape Town, S.A.M. No. 6858, collected by Captain G. C. Shortridge at Port St Johns, Pondoland, 22 August 1902. Named with the kind permission of Dr K. Barnard, Acting Director of the South African Museum.

Measurements: Head and body 89; tail 50; hind foot 12.6; ear 16. Skull, greatest length from canines 22; zygomatic width 14.8; width of brain case 10.1; mastoid width 12.5; width across molars 9.8, across canines 7.7; c-m^3 series 7.2.

Scotophilus nigritellus de Winton, 1899

p. 355

Size smaller than *S. nigrita* (*S. borbonicus*), but apparently agreeing with that species in general form. The colour above is dark olive, the bases of the fur lemon-yellow. This colour is somewhat nearly matched in occasional specimens of both *S. nigrita* and the Indian species *S. Kuhli*; but size alone is sufficient to distinguish it from either of these forms.

The ears and tragus, also the teeth and skull, closely resemble those of *S. nigrita*, but are very much smaller in size.

Type no. 99.6.15.9 in British Museum.

M, Gambaga, 1300 feet, 9th Jan., 1899.

Measurements (taken in the flesh): -

Head and body 70 millim.; tail 37; hind foot 8; ear 15; forearm 44.5; thumb with claw 5.5.

Measurements of skull: -

Greatest length 18 millim.; greatest breadth 12.9; across brain-case 9; between orbits 6.5; tip to tip of canines 5.5; tip to tip of incisors 3.5; front of canine to back of molar series 6.1; front of palate to foramen magnum, middle line, 12; mandible, greatest length 12.5, height at coronoid 5.5.

Tragus long and pointed as that of *S. nigrita*.

Canines rounded in front. Incisors very slightly convergent at their tips. First premolar in lower jaw small, barely half the length of second.

Scotophilus robustus A. Milne-Edwards, 1881

p. 1034

Le Muséum d'Histoire naturelle vient de recevoir de Madagascar une collection fort importante et riche en objets rares ou inconnus; elle lui a été offerte par M. Humblot, qui a surtout exploré, sur la côte est, la région comprise entre Fou.apointe te le lac l'Aincatre.

p. 1035

Une très grosse Chauve-Souris, du genre *Scotophilus (Sc. robustus)*, se distingue de toutes les espèces déjà décrites; elle est de près d'un quart plus grande que le *Sc. borbonicus*; sa tête est relativement plus grosse, l'oreillon est long et eftilé, le poil est partout d'un brun fuligineux.

Scotophilus rusticus Tomes, 1861

p. 35

The present diminutive species resembles in the shape of its head, ears, and incisor teeth the *S. kuhlii* and the *S. minutus*. Top of the head nearly on a level with the face, nostrils somewhat crescent-shaped, and the snout grooved as in *S. minutus*; ears small and triangular, as in *S. minutus*; tragus of uniform breadth, rounded at the end and curving inwards, the notch in its outer margin, at the base, small, and the lobe below it small and pointed. As in *S. minutus* the outer margin of the ear does not advance nearer the angle of the mouth than the base of the tragus.

Thumb and feet rather large in relation to the size of the animal, being equal in size to those of *S. minutus*. They are proportioned just as in that species.

The fur is confined to the body, both above and beneath. It is everywhere thick, soft, of moderate length, and without gloss. On the upper surface it is dark brown at the roots, with the terminal half light cinnamon-brown; on the under parts of the body, dusky at the roots, with the terminal half brownish white, excepting on the pubes, where it is almost of a uniform dirty white. The nose, ears, and wing-membranes are dark brown, the latter very narrowly edged with white, which is most distinct on each side of the feet.

The cranium resembles that of *S. kuhlii*, both in general conformation and in the number and arrangement of its teeth, being possessed of one more premolar than *S. minutus*.

Dentition: M.$^{2-2}/_{6}$; Can. $^{1-1}/_{1-1}$; Premol. $^{2-2}/_{2-2}$; Mol. $^{3-3}/_{3-3}$ = $^{18}/_{18}$.

The upper incisors are unequal in size, just as in *S. minutus*; the canines are relatively stouter than in that species, which is due in some measure to a slight fullness, or rounded prominence, in the middle of the thin hinder edge of the tooth ; the first premolar is very small, being a mere tubercle, and is placed between the contiguous canine and premolar, and is visible only from within; the

p. 36

second resembles in shape the first and only one in *S. minutus*, which it represents. The true molars do not need mention; and the lower jaw with its teeth is so much like that of *S. minutus*, that it may in like manner be dismissed.

Scotophilus variegatus Tomes, 1861

p. 36

This handsome species, is about the size of the *S. leisleri* of Europe.

P. 37

The head is very short; the muzzle short and obtuse, but not very broad or depressed, being about as deep as it is wide. The forehead is elevated in only a trifling degree above the facial line; the nostrils are somewhat prominent, rather small, and open sublaterally, almost laterally; they are nearly round, with a narrow posterior elongation or slit not exceeding in length the diameter of the nostril; the lips are simple, thick, and rather overhanging. The ears are small, of an irregular roundish ovoid form, their inner margin having a kind of lobe, the lower outline of which projects downwards over the forehead, and is there distinct; but blends off in an upward and outward direction to the tip of the ear, which is rounded, and has a somewhat outward direction; the outer margin approaches in some degree to a straight line, and a very narrow piece of membrane passes forward along the side of the head to near the corner of the mouth, where it terminates in a small fleshy lobulus of a rounded form. The ear-conch is rather thin, but not papillated, and has a few distinct sulci near its outer margin, and a longitudinal seam near the inner one. The tragus is broad and short, and shaped somewhat like that of the *S. borealis* of Europe. Outwardly at its base is a descending point, and above this a broad notch, which varies in depth, but is usually rather shallow; and above this it is of nearly equal breadth, the outer margin being rounded, and forming with the inner margin, which is nearly straight, a blunt angular tip, which is directed inwards.

The penultimate phalange of the thumb is a little longer than the basal one, the claw short and not very hooked. Toes rather longer than the remaining part of the foot; the claws small and black. Wing-membranes extending barely to the roots of the toes. Calcaneum long, with a considerable cartilaginous lobe near the middle of its lower edge.

The fur of the forehead extends almost to the end of the nose, in some specimens quite as far forward as the nostrils; the sides of the face sprinkled rather thickly with fine, short, whitish hairs; over the eye and between it and the nostrils are some longish black ones, which are straight and stiff. Inside the ears are a few fine adpressed hairs; and their outer surface is thickly clothed with fine fur for halfway from their base. The fur of the back extends on to the membranes on all parts, but to a greater extent on the interfemoral membrane than anywhere else. Beneath, it spreads on to the membranes, chiefly on and under the humerus, occupying the space (but not thickly) between the elbow and the knee. On their upper surfaces the toes are clothed with fine adpressed hairs; but the other parts of the foot are perfectly naked.

On all parts of the body the fur is long, soft, and unicoloured, or very nearly so; that of the upper parts cream-coloured, palest on the head and neck, and becoming considerably darker on the hinder part of the back and on the interfemoral membrane; beneath, it is of a dirty-white colour. All that of the body, but not of the membranes, has a slight ashy tinge at its roots.

The membranes are so peculiarly marked as to deserve especial

p. 38

notice. They are rather ample, thin, and remarkably marked with veins, but are not papillated. The ground-colour is pale yellowish-brown, everywhere strongly marked with veins of a deep brown colour, which are faintest near the body and on the interbrachial membrane: on the interfemoral membrane they are very distinct, not very numerous, and have a transverse disposition; beneath the humerus they have a tessellated arrangement; but beneath the forearm they are more branched; whilst between the fingers and at the ends of the wings they are run together, and a dark-brown mottled appearance is produced. The ears and muzzle pale brown; legs, tail, and wing-bones darkish brown.

The skull is remarkable for its shortness and great depth in relation to its breadth, and for the almost total absence of ridges or crests. Although the facial line of the cranium makes a near approximation to a straight line, yet the occipital region is so high as to form a facial angle of 48 degrees*. This is due in some degree to the shape of the maxillary hones, the lower or alveolar margins of which curve upwards from the root of the zygoma to the intermaxillary bones. Some approach is made to this form of cranium by that of some of the species of *Lasiurus*, as the *L. noveboracensis*; but in that species the facial angle does not exceed 35 degrees*.

The upper incisors are four in number, very unequal in size, the outer ones being almost rudimentary. The inner ones are of moderate size, acute, and with a moderate cingulum, the outer ones very short and conical, with an evenly developed and broad cingulum. Canines rather slender and pointed. First and only premolar well developed and of the usual *carnassial* form; the three true molars of ordinary form, excepting the hinder one, which is very narrow from front to back, but has the usual number of cusps.

The lower jaw has a less prominent posterior angle than in other species of the genus, but does not otherwise differ materially. The incisors have the usual external trilobed appearance; but they are thicker from front to back than is usual, and the hinder part is produced into a kind of basal lobe, which has sufficient prominence to have the appearance of a fourth cusp. The canines are rather acute, and have the cingulum produced anteriorly into an acute point, a little above the level of the incisors. The first premolar is small, conical, and with a regular cingulum; the second somewhat similar, but considerably longer, and it is succeeded by the three true molars, of usual size and proportions, excepting the posterior one, which is rather smaller than usual.

Dentition: $M.^{2-2}/_{6}$; $Can.^{1-1}/_{1-1}$; $Premol.^{1-1}/_{2-2}$; $Mol.^{3-3}/_{3-3} = {}^{14}/_{18}$.

" ""; " ""
Length of the head and body: 2 4; 2 3
------ of the head: 0 8; 0 9
------ of the ears: 0 4; 0 4
Breadth of the ears: 0 4; 0 4
Length of the tragus: 0 $2^{1}/_{2}$; 0 $2^{1}/_{2}$

* Taking the lower margin of the maxillary bone as the horizontal or base-line.

P. 39

Breadth of the tragus: 0 1; 0 1
Length of the fore-arm: 1 9; 1 8
------ of the thumb: 0 4; 0 $3^{3}/_{4}$
------ of the first finger: 1 10; 1 9
------ of the second finger: 3 5; 3 2
------ of the third finger: 2 7; 2 4
------ of the fourth finger: 2 2; 2 0
------ of the tibia: 0 9; 0 $8^{1}/_{2}$
------ of the foot and claws: 0 $4^{2}/_{3}$; 0 $4^{1}/_{2}$
------ of the tail: 2 0; 1 10
------ of the *os calcis*: 0 9; 0 9
Expanse of wings, about: 13 6; 12 9
Length of skull from front of intermaxillary bone to the occipital suture: 0 6; 0 6
Breadth behind the zygomatic arches: 0 4; 0 4
Length from the condyloid fossa to the front of the intermaxillary bone: 0 $4^{1}/_{4}$; 0 $4^{1}/_{4}$
Length of the dental series of the upper jaw, exclusive of the incisors: 0 $2^{1}/_{2}$; 0 $2^{1}/_{3}$
Length of the bony palate: 0 2; 0 $2^{1}/_{4}$
Breadth between the points of the upper canines: 0 2; 0 2
Breadth between the two posterior molars: 0 2; 0 2
Depth from the occipital suture to the bottom of the auditory bullæ: 0 $4^{1}/_{2}$; 0 4
Greatest length of lower jaw: 0 $5^{1}/_{4}$; 0 5
Breadth of lower jaw vertically from the coronoid process: 0 $1^{3}/_{4}$; 0 $1^{2}/_{3}$
Length of the dental series, exclusive of the incisors: 0 $2^{3}/_{4}$; 0 $2^{1}/_{2}$

Hab. "Otjoro, December 1st, 1859."

Obs. I have chosen to give an ample description of this species because it differs in some respects from any other species of the genus which I have seen, the differences appearing to me to be such as may (if found in any other species) be sufficient to point out another minor group, parallel with those which have been partially indicated by Blasius, and more fully by Kolenati. Broadly, these differences may be stated thus: - *Cranial portion of the skull much raised, instead of being depressed; muzzle*

not depressed; cutaneous system thin and elaborately veined, instead of being thick and leathery; fur long, soft, and unicoloured, and covering nearly the whole of the face.

Scotophilus welwitschii Gray, 1866

p. 211

Among an interesting series of Bats from Angola, collected by Dr. Welwitsch, and most kindly presented to the British Museum, is a very interesting and ornamental species of *Scotophilus*, with the wings coloured like *Vespertilio pictus* of Pallas.

This coloration of the wings seems common to several Bats belonging to different genera; but I have not before observed it in a species of *Scotophilus*.

SCOTOPHILUS WELWITSCHII (Pl. XXIV.)

Brown. paler beneath; hair of the back black, with brown tips, which are longer and paler on the hairs of the under surface. The ears rather elongate, longer than head. tip rather acute; tragus elongate, lanceolate, acute, nearly half as long as the ear. The wings blackish brown. yellow-dotted, and yellow (or red brown perhaps when alive) near the body, and on and near the arms and fingers, and between the shoulders and arm-bone; interfemoral membrane yellow, black-dotted, and with a dark hinder edge, the upper surface near the base of the tail hairy; heel-bone elongate, as long as the shin. Feet pale yellow; toes black at the end; .wings to the base of the toes. Thumb - upper joint black, much longer than the lower, which is yellow. The face hairy to the end of the nose; just above the nostrils. Upper cutting-teeth 1,1 ?. large, blunt; premolars $^{2}/_{1}$ $^{2}/_{1}$, the front upper large, triangular; the hinder small. rudimentary. Forearm-bone 2 inches 1 line long.

Hab. Angola (*Dr. Welwitsch; B.M.*).

Selysius Bonaparte, 1841

Selysius

Dei *Vespertilionini* non dati per ora, ma forse da aggiungersi alla Fauna italiana, nomineremo il *V. mystacinus*, Leìsler, che facciam tipo di nuovissimo genere ben caratterizzato dalla forma del cranio, dalla dentatura, dal foltissimo pelo, dall'opacità e ìntaccatura delle orecchie, e soprattutto dall'inceppamento dei piedi: il nome di *Selysius* che gli apponiamo fa commendevole ricordo di stima al giovane naturalista di Liegi, autore della *Fauna belgica* e di altri applauditissimi scritti. Nè taceremo del vero *V. emarginatus*, Geoffr. suo congenere; avvertendo qui essere quello da noi figurato sotto tal nome il *V. nattereri*, Kuhl, anello di congiunzione tra i due generi *Selysius* e *Vespertilio*. E qui giova dire che per timore di confusione usiamo il nome *Vespertilio* a denotare quel gruppo cui per abbaglio lo restringemmo, ma che tal nome giustamente dovrebbe trasferirsi a quella suddivisione contenente il vero *Vespertilio murinus* di Linneo. Avendoci finalmente accertati il colore del vello, la frequenza in Svezia, ed altre ragioni inoppugnabili, che il *V. murinus*, L. corrisponde al *V. discolor*, Leisl. deve a questo ripristinarsi almeno il nome specifico, comunque siasene abusato, applicandosi nella Svezia stessa dal Nilsson, ora ricredutosi, al *V. daubentoni*, Leisl., dagl' Inglesi tenacemente al *V. pipistrellus*, Daub., e da noi stessi travolti nella piena corrente al *V. myotis*, Bechst.; cui preghiamo non chiamisi altramente d'ora innanzi, il nome *Myotis* potendo anzi divenir generico per chi non tollerasse eccezione di regola.

Spectrum vulgare Gray, 1870

p. 100

Ears small; fur soft, abundant, spreading, blackish chestnut; head pale yellow ; the upper arm, sides of the shoulders, back, and

p. 101

the rump bright golden yellow; underside of thighs and pubis yellowish.

La Roussette, *Brisson*. La Rossette, *Buffon*., H. N. x. t. 14. Vespertilio vampyrus, *Schreb*. Not *Linn*. Pteropus vulgaris, *Geoff. Ann. Mus*. XV. P. 92 ; *Temm. Mon*. i. p. 132 ; ii. P. 74, t. 38 (young).

Hab. Isle of France; Bourbon; Madagascar ?

Sphyrocephalus A. Murray, 1862

p. 8

Dental formulary :-

Incisors. 4/4 Canines. 1/1 Molars: Premolars? 1/2 True molars? 2/3

Head very large and oblong; the lips largely developed and expanded. Ears rather large, without tragus. Thumb and index-finger of hand unguiculate, the other fingers without claws. Tail wanting.

Sphyrocephalus labrosus A. Murray, 1862

p. 8

Brown, with a few whitish hairs at the base of the ears. The head very large, massive, half as long as the whole body, oblong, and as broad at the muzzle as at the top of the head, with some resemblance to a hammer, whence the name hammer-headed (*Sphyrocephalus*), rather more than twice as long as deep; ears rather large, destitute of tragus; eyes rather large; eyelids provided with eyelashes; nostrils large and tubular; lips extraordinarily developed; both upper and lower lips of a very smooth semi-muco-membranous texture, corrugated and tuberculated at the margins; the upper lip with a tuberculated prominence in the line of the two outer incisors, and a more elongated tuberculated ridge further up, in the line of the two inner incisors; the external lateral margin expanded into a sort of stiff semi-cupshaped flap with a tuberculated edge, rising to meet the nostril and then descending, following its lower edge, and terminating in a curved scroll-like coil in the nostril.

The same semi-muco-membranous lip is spread over the front of the lower jaw, forming a sort of chin. The skin in the neighbourhood of the lips, and extending upwards and backwards along the nasal bones, is covered with the same sort of fine velvety down which surrounds a horse's nostrils; the hair on the rest of the head is flocky; on the downy portion there are on the sides of the upper

p. 9

lip three rows of papillæ, each with a long whisker-hair springing from it. In the specimen before us these papillæ are arranged four in the two first rows and three in the last; similar papillæ and hairs run up the downy space covering the long nasal bones, in three rows, past the eyes and quite to the forehead, numbering each nine or ten papillæ, the middle row being shorter than the two others. The gape of the mouth is large, extending back fully a third of the head; the lip does not encroach on the outside of the face along the gape; it is only directly in front that it is so much developed; the upper lip is connected with the gum by a broad thick ridge uniting them together in the line of the symphysis of the intermaxillary bones.

The disposition of the teeth is as follows:-

They are all well separated from each other, none touching each other except, perhaps, the last molars; the incisors of the upper jaw are minute rounded points; in the lower jaw they are equally minute, but transversely oblong and bilobed. The canine teeth in both are well developed and of the usual form; beyond the canine there is a minute tooth (a mere point) in the lower jaw which is wanting in the upper jaw; the next tooth beyond it is almost exactly of the form of the canine, and is probably a pre-molar; the remaining teeth, two in the upper and three in the lower jaw (probably true molars), have their crown divided longitudinally; in the upper jaw each ridge slopes backwards, in the under jaw the external ridge is bilobed. The palate has strong, elevated, transverse ridges running across from interspace to interspace between each tooth. The tongue is rather large, and covered with a sort of tessellated pavement of large flat papillæ; it is free very far back. Under it and lying in the hollow of the mouth, occupying the whole breadth for a short space in front between the rami of the lower jaw, is a very curious membrane fringed with slips or plaits - a sort of second tongue, calling to recollection a somewhat similar organ or structure under the tongue of the Loris and Lemur. In these it assumes the form of an aponeurotic lamina, which is divided at its anterior thinner end into filaments or slips. "This arrangement (a development of the frenum of the tongue)," says Van der Hoeven, "has been described incorrectly, in my judgment, as though the tongue were double, or even as if a bird's tongue were under the mammalian tongue." It may be a development of the frenum, because two things connected together, although at opposite ends, may always be said to be parts of the same thing however distant they may be. B ut I would only observe that in the present instance the frenum of the tongue is situated very far back, and it seems to me that it may just as possibly be a development of the floor of the mouth as of the frenum of the tongue. I do not suppose that Dr. Van der Hoeven would think it necessary to look elsewhere than to the walls of the œsophagus to find the structure from which the elongated papillæ lining the œsophagus, in the hawk-billed turtle for instance, had been developed. There is a tendency to similar structure in other parts than the tongue in many animals - on the palate and back of the mouth, for example; and I should not be disposed to seek further than the place from

p. 10

which it springs for the source of this development. It does not extend much further back than the lower canine teeth; but there is a slight plait or perceptible line running on each side all the way to the back of the mouth, giving the appearance of a second thin flat tongue lying in the hollow of the mouth, tied down like the tongue of a crocodile; but the separation here is a mere trace, and it is only the fringed margin in front which is free.

The neck is distinct, and the skin has the appearance of having some cellular space between it and the muscles.

The body is oblong and compact; the ribs descend far, and the lower ribs are very large; the stomach is moderate in size, furnished internally with several large transverse folds; the small intestines are not very long; there is no cæcum.

The arms have the thumb and index unguiculate, the rest of the fingers are without claws; the thumb has two phalanges, the rest have three phalanges. The thumb is united to the wing by a membrane stretching on both sides over the whole of the proximal and half of the distal phalanx; the proximal phalanx of the thumb is shorter than the distal. The winged membrane is not extended across the back, but is very ample; the winged space between the third and fourth fingers, and between the fourth and the body, has in its middle numerous longitudinal bundles of muscular fibre interwoven without attachments, and one or two similar transverse bundles; these are probably for the purpose of assisting in the folding of the wing. Along these bundles of muscular fibre the membraneous wing is closely wrinkled; and there is little doubt that they will also strengthen the membrane where they occur.

The hind feet are uniform and all unguiculate; they are united to the body by an interfemoral membrane, which has a single large bundle of muscular fibres stretching obliquely across from the foot to the coccyx.

The testicles are situated under the skin on each side of the male organ, and are round.

There is no tail.

The length of the whole body, in the specimen from which the above description is taken, is nearly 7 inches; the length of the head 3 1/4 inches, its depth about 1 1/4 inch. The stretch of wings is 28 inches across.

The most remarkable features in this animal are its large hammer-shaped head, and the great external development of its lips. Its whole structure is essentially that of a Pteropine Bat, with some modifications showing a tendency towards the *Rhinolophi*. No species having any of the nasal appendages peculiar to that section of the Bats has yet been found among the Pteropine Bats. They are strictly frugivorous, and have the nose like that of a fox or dog. The present species, although it has not any nasal appendages, has labral expansions which may possibly be analogous to them, and the animal may possibly have peculiar habits to which the structure of these organs is especially adapted.

Unfortunately, in the only specimen yet received, the stomach and

p. 11

intestines were wholly empty; so that we cannot speak of its food with positive certainty. The teeth are Pteropine in character, but not so absolutely so as to preclude the possibility of this creature being at least partially insectivorous, the molars showing a tendency to mammillation on the external side of the longitudinal ridges into which they are separated. The large folds in the interior of the stomach seem to point to a vegetable diet.

The sublingual fringed membrane is also an interesting peculiarity, not only on account of its rarity, but because one of the few other instances where it has been noticed is in an animal having no one thing in common with the present, except that of living in the same country. We sometimes see this happen; an abnormal structure or peculiarity occurring in an animal restricted to one country will be found repeated in some other animal of that country no way connected with or allied to it.

This Bat was sent to me by my excellent friend, the Rev. Wm. C. Thomson, one of the missionaries of the United Presbyterian Church of Scotland, stationed at Old Calabar - a true Christian, an excellent naturalist, and one whose devotion to the cause he has undertaken, viz. the amelioration of the African negro, has been proved by the greatest sacrifices from his youth upwards.

footnote p. 8:

* Since this paper was in print, the last number of the 'Proceedings of the Academy of Natural Sciences of Philadelphia' has been received in this country (the first copies arrived on 19th February, 1862); and in it I find a description of a new Bat, which probably belongs to this species, by Dr. Harrison Allen (Proc. Acad. Nat. Sc. Phil. July 1861, p. 156). It is said to be taken from a specimen collected by M. Du Chaillu, and is named by Dr. Allen *Hypsignathus monstrosus*. If it is the same species, of course Dr. Allen's name must take precedence. His description does not quite correspond with mine, but, judging from the description of the nose, may, perhaps, have been taken from a dried skin, whereas mine is
from a fine example in spirits. M. Du Chaillu has exhibited no specimen of this Bat in England.

Tadarida (Chaerephon) cyclotis Brosset, 1966

p. 80

Type M ad. - Bélinga. - Janvier 1963.

Description

Molosse d'assez grande taille (avant-bras 51.5 mm), séparable à première vue des espèces africaines de dimensions voisines par des oreilles larges et arrondies, des formes moins massives et un pelage relativement long et épais. La morphologie crânienne, la dentition, le tragus présentent des particularités distinc.

p. 81

Dimensions (en mm):

Longueur tête et corps: 70
Queue
- partie incluse: 20
- partie libre: 18
Oreilles
- largeur maximale: 20
- longueur maximale: 20
Tragus
- longueur: 1.8
- largeur: 1.1

Anti tragus
- hauteur: 5
- largeur: 6
Avant-bras: 51.5
3e doigt
métac.: 49
1re phal.: 21
2e phal.: 20
3e phal. incomplètement ossifiée: 9
4e doigt
mëtac.: 47
1re phal.: 17
2e phal: 11
3e phal. incomplètement ossifiée: 3
5e doigt
métac.: 29
1re phal.: 15
2e phal.: 6
Tibia: 19
Pied (sans les griffes): 12
Pouce (sans l'ongle): 8.5
Crâne:
Longueur totale: 21.4
Longueur condylo basale: 18
Largeur zygomatique: 12.3
Largeur boître crânienne: 11.3
Rétrécissement interorbitaire: 4.4
Rangée dentaire supérieure (de l'incisive à la pointe postérieure de M 3): 9,1
Ecartement à la pointe des canines: 4.8
Longueur de la mandibule: 15
Longueur de la raneée dentaire inférieure: 9.7

Pelage et membranes:

Pons de couleur uniforme sur toute leur longueur. Le dos est brun rougeâtre. La partie ventrale présente une teinte plus claire, rougeâtre-orangée d'une tonalité chaude et brillante .. base de

p. 82

membrane réunissant les oreilles en avant existe l'amorce d'une "crête" basse, formée de poils mous et serrés, de couleur brun noirâtre. Le pelage se prolonge sur le patagium, de chaque côté du corps sur une bande d'environ 1 cm de largeur. L'uropatagium est couvert d'une pilosité décroissante, de la naissance de la queue jusqu'à la partie libre de celle-ci. Cette dernière est complètement nue. Sur la face dorsale, plantés au niveau du fémur, on note quelques longs poils raides. Les pattes, les doigts externes surtout, montrent des rangées de poils raides, clairsemés et courts, de couleur jaune doré. Des poils semblables, mais plus courts existent également sur un "bouton" sous mentonnier, aux commissures des lèvres, au point de jonction des deux oreilles, à l'extrémité supérieure de la membrane réunissant celle-ci.

La peau des avant-bras est brun-clair dessus, dépigmentée dessous, la face interne des avants-bras étant de couleur chair. La partie interne de l'uropatagium est également très claire. La lèvre supérieure est brune, l'inférieure est blanchâtre.

Tête et oreilles:

La lèvre supérieure est profondément plissée. La partie nasale est fortement proéminente, comme chez la plupart des Molossidés. Les oreilles sont grandes et larges. Le bord externe est arrondi. L'antitragus est grand, aplati, et bien détaché de l'ensemble de l'oreille. Le tragus est petit et caché par l'antitragus (fig. 9).

Une membrane sagittale, épaisse et haute de 6 mm réunit les deux oreilles en avant.

Corps:

Le corps ne présente pas les formes lourdes habituelles chez les *Tadarida*. Les membres inférieurs, du type molossidé, sont relativement grêles, tandis que la queue est également assez courte.

Le cinquième doigt est très court par rapport au troisième, ce qui réalise une aile longue et étroite, de faible surface portante. Ce rapport est caractéristique des formes à vol direct, élevé et rapide. Les ailes de *T. cyclotis* sont très semblables à celles de *T. condylura*.

p. 83

Le grand développement du pouce et des callosités du pouce désignent *T. cyclotis* comme un grimpeur apte à se glisser dans des fissures étroites.

Crâne:

Sa structure d'ensemble est légère par rapport à celle des autres *Tadarida*. La boîte crânienne relativement allongée est marquée sur le dessus d'une dépression accusée au niveau de la grande suture transversale. La région occipitale est fortement

convexe. La crête sagittale est nulle et les crêtes lambdoïdes peu développées. Les bulbes auditifs sont par contre grands, en liaison avec l'oreille externe qui est elle-même de forte taille (fig. 10).

La partie nasale est relativement étroite. Le rétrécissement interorbitaire est prononce. Le palais est allongé, fortement concave et trapézoïdal. L'échancrure du prémaxillaire, en arrière des incisives, qui est un'caractère du genre *Tadarida*, n'apparaît plus clairement. Mais le séjour du type de *T. cyclotis* dans le formol a durci les cartilages du crâne, qui ont pu oblitérer l'échancrure, si elle existe.

La dentition est peu spécialisée. Elle est plutôt faible, quoique la canine soit longue et mince. PM 1 est bien développée et située dans la rangée dentaire. Les incisives inférieures, au nombre de quatre, sont plantées en demi-cercle. Elles sont fortement bifides.

Mieux que toute description, le dessin ci-contre donne une excellente idée du crâne de *T. cyclotis*.

Comparaison entre *T. cyclotis* et les espèces africaines les plus voisines *Tadarida condylura* a l'avant-bras plus court; les formes sont plus lourdes, les oreilles beaucoup moins larges. L'antitragus est moins grand, le crâne est moins long, mais plus massif. Les crêtes lambdoïdes et sagittales sont beaucoup plus développées. La dentition enfin présente de notables différences. Le Muséum de Paris possède des séries de *T. condylura* qui nous ont facilité ces comparaisons.

Reste *T. trevori*, espèce plus rare, et que nous n'avons pu examiner. D'après les descriptions d'AELLEN et de VERSCHUREN, *T. trevori* aurait des dimensions et un aspect voisins de *T. cyclotis*. Mais le rapport du 3^{e} doigt et du 5^{e} est différent, réalisant chez *trevori* une aile moins étroite. L'oreille est beaucoup moins large, et le tragus n'est pas carré chez *cyclolis* comme il l'est chez *trevori*. Enfin le crâne de cette dernière espèce est plus grand dans toutes ses dimensions, et le rapport de sa longueur à sa largeur, ainsi que l'écartement des maxillaires, doivent lui donner un aspect massif et puissant, différent de celui de *cyclotis*.

p. 85

L'aspect de la tête et du crâne de *Tadarida cyclotis* rappelle un peu celui des Molossidés du genre *Otomops*. On notera qu'il s'agit là probablement de formes forestières, alors que les *Tadarida* sont en général liés aux zones découvertes: savanes et semi-déserts. L'évolution vers une structure plus légère et un grand développement de l'appareil auditif est peut-être caractéristique des Molossidés forestiers, circulant à la cime des arbres; ces espèces auraient développé une morphologie tendant à augmenter la maniabilité du vol, par un allégement des formes et une hypertrophie de l'appareil écholocateur.

Biologie

Ce beau Molosse se fit prendre au crépuscule dans un filet japonais, tendu sur une levée de terre qui traverse le marigot bordant le terrain d'aviation de Bélinga. L'animal venait de toute évidence boire à la surface de la nappe d'eau. Par la suite, nous avons passé une dizaine de soirées à cet endroit à faire le guet, pour essayer de voir et de tirer d'autres individus. Malheureusement, aucun Chiroptère de ce type ne fut observé. La biologie de *Tadarida cyclotis* reste donc inconnue. Tout au plus peut-on dire, compte tenu de la localisation de la capture, qu'il s'agit probablement, d'une forme forestière.

Tadarida (Chaerephon) faini Hayman, 1951

p. 82

Type (in the Congo Museum, Tervuren): M skin and skull, Congo Mus. n° 20509, original number 1, collected in June 1951 by Dr. A. FAIN at Wago Forest, between Blukwa and Lake Albert, Belgian Congo. (Blukwa lies at about 1° 45' N., 30° 37' E. at about 2.000 metres above sea-level). The paratype, a F skin and skull, original, number 2, Brit. Mus. n° 51.629, from the same locality and collector, has been presented to the British Museum (Natural History).

Diagnosis: The species is distinguished primarily by its light ochraceous-tawny body colour above and below, its semi-translucent wings and its medium size (forearm 38 mm. in the type).

Description: The head and body of the type, both dorsally and ventrally, are clothed with short hair of an almost uniform ochraceous-tawny colour. The underside is slightly lighter in tone than the back, and in the median line of the abdomen there is a slightly yellowish wash. The hairs everywhere are slightly paler basally, but the paler bases do not show through to affect the general colour. On the underside of the wing membrane a narrow band of yellow hair runs from the base of the humerus to the base of the femur, flanking the side of the body. The crown of the head is nearly naked, and the lappet of skin joining the bases of the ears is clothed with dense but short hairs of the same colour as those on the head and body.

p. 83

The ear membranes are dark, but the wing and interfemoral membranes are semi-translucent. The wing membranes are attached to the middle of the tibia.

The female skin, apart from being slightly paler above than the type, shows no differences.

The skull and teeth are characteristic of the subgenus.

Measurements: (in the absence of original measurements, those now given, taken from the dry skins, must be regarded as approximate only, except in the case of the forearm measurements). Type and paratype: (all measurements in millimetres), head and body 59, 60; tail 33, 29; hind foot 10, 10; ear 15, 16; forearm 38, 39. Skulls of type and paratype: greatest length 15.7, 15.8; condylobasal length 14.8, 14.5; zygomatic breadth 10, 10.1; mastoid breadth 9.8, 9.4; maxillary breadth 6.8, 6.9; interorbital

width 4, 4.1; breadth at base of canines 4.1, 4.1; upper tooth row, including canine, 5.7, 5.7; length of mandible 11.1, 10.9; lower tooth row, including canine, 5.7, 5.9.

Remarks. No other African member of the group combines the distinct colouration and size of the present species.

Nyctinomus ochraceus J. A. ALLEN (1917) from Medje, Ituri Forest, is one of the more brightly coloured forms of about the same overall size, but according to the description is dark chestnutbrown above, with only the bases of the hairs ochraceous buff- and is orange below. It has also a considerably longer skull.

SIMPSON (1945) has regarded *Chaerephon*, as well as *Mops*, as no more than subgenerically distinct from *Tadarida*, which antedates *Nyctinomus*. TATE(1941) has pointed out that certain skull characters used in the past to distinguish *Chaerephon* are not constant, and it therefore seems best to treat *Chaerephon* as a subgenus of *Tadarida*.

Tadarida (Chaerephon) gallagheri Harrison, 1975

p. 313

Holotype.

Harrison Zoological Museum (Reg. No. 1.7797), now deposited in the British Museum (Natural History). Adult male, obtained on 14th Nov. 1974 at Scierie Forest, 30 km SW of Kindu, Zaire (3° 10' S, 25° 49' E), by Major M. D. Gallagher.

Diagnosis.

A small bat, forearm 37.5 mm; greatest length of skull 16.0 mm. General features are those of subgenus *Chaerephon*, the conjoined ears with a frontal crest, the premaxillae co-ossified and m^3 complete. This species is, however, unique amongst Molossid bats in the possession of large paired nasal inflations highly reminiscent of *Rhinopoma*. It is also at once distinguishable from all other African Molossids by the presence of a deep, well-defined inter-aural pocket, containing the frontal crest. The anterior extension of this pocket projects into the inter-aural membrane as a bulbous anterior protrusion, which in profile overhangs and projects in front of the muzzle.

Description.

The holotype is the only known specimen. The ears are large and extend well in front of the muzzle when laid forwards; their anterior

p. 314

borders are squarish; there is a well-developed subrectangular anti-tragal lobe, at the base of their convex, external margin; the tragus is very small, its upper surface with two small indentations distinct minute basal lobule posteriorly. The ears are united across the forehead by an inter-aural membrane, with a flat-topped convex superior margin, resembling a truncated triangle; a prominent globular swelling projects from the middle of its anterior surface, projecting above and well in front of the muzzle in profile. This swelling, which has a faintly marked median rib dorsally, is in fact the anterior extremity of a remarkable inter-aural pocket, situated on the crown of the head, behind the inter-aural membrane. The pouch is deep, lined by two vertical hairless folds of skin 3.2 mm high, which extend from the posterior aspect of the inter-aural membrane on each side of the globular swelling and unite with each other on the crown of the head. The floor of the pocket is smooth, but it contains a frontal crest of hairs, which are uniformly dark brown; in colour and some 9 mm in length. The muzzle is blunt, with a transverse ridge above the nostrils, and the upper lip is marked by vertical furrows. The wings are long and narrow; the wing membranes, tail membrane and ears uniformly greyish black in colour. The long tail projects for three-quarters of its length beyond the short tail membrane. The pelage is uniform in colour, umber brown, so far as can be ascertained

p. 315

in the single alcoholic holotype, and scarcely lighter on the ventral surface, where there is no pattern. It extends as a narrow band on to the ventral wing membrane from axilla to groin, but not significantly elsewhere on to the membranes. The toes are fringed with short whitish hairs.

The skull is extremely distinctive, its general form elongated and narrow. The rostrum is very long and terminated anteriorly by pronounced paired nasal inflations, surrounding the broadly flask-shaped nasal aperture and imparting an extremely unusual truncated aspect to the front of the rostrum. The inflations extend laterally so as to be visible from the ventral aspect of the skull. Pronounced lachrymal projections are present at the anterior orbital margins and the infraorbital foramina open on the sides of the rostrum between these and the back of the nasal inflations, at the level of the anterior border of the second upper premolar. The interorbital region is long, with slightly swollen sides; supraprbital ridges are almost absent. The zygomatic arches are slender and not-widely flared, rather straight-sided when viewed from above. The braincase is moderately inflated, lacking any sagittal crest and the lambdoid crests are weak. The dorsal profile is rather low, with the braincase only slightly elevated above the rostrum. The premaxillae are completely co-ossified and there is no palatal emargination; the palate is long, with a median concavity and slightly excavated on each side postero-laterally behind the level of m^3. The mesopterygoid space is broadly rounded anteriorly; the basial pits are deep and rounded, well defined posteriorly; the tympanic bullae are moderately large. The mandible is long and slender, with a blunt angular process and low coronoid.

The dentition is not heavy; the upper incisors are relatively large; well, separated from one another, flattened pyriform in shape, with their points directed inwards slightly and each with a small outer basal cingular cusp. The upper canines arc slender, with small posterior basal cingular cusps. The small upper premolar is situated in the toothrow just behind and lateral to the cingular

cusp of the canine; the second upper premolar is well developed, attaining fully three-quarters of the height of the canine; m^1 and m^2 are subequal, each with well developed hypocones; the metacone dominant in each and the styles well formed: m^3 has a well developed third commissure. Four well spaced lower incisors are present, the inner pair larger and faintly bifid. The lower canines are slender with anterior and posterior basal cingular cusps. The second lower premolar clearly exceeds the first in crown area and height, while m_1 is clearly larger than m_2, especially in width of the talonid; m_3 is distinctly smaller; in all the lower molars the protoconid is dominant.

p. 317

Measurements of the Holotype.

Total length 77 mm; forearm 37.5 mm; hind foot (s. u.) 7.8 mm; tail 28 mm; ear 19 mm. Cranial measurements: greatest length 16.0 mm; condylobasal length 14.9 mm; zygomatic width 8.9 mm; breadth of the braincase 7.8 mm; postorbital constriction 4.2 mm; width of the rostrum across nasal inflations 5.3 mm; median palatal length 7.0 mm; mandible 10.6 mm.

Remarks.

This remarkable little bat is at once distinguishable from all other known Molossids by its unique nasal inflations, highly reminiscent of *Rhinopoma*, a feature so distinctive as to demand consideration of generic status for it. It is clear, however, that in most features it represents a highly specialised *Chaerephon*, a swift-flying species which has perhaps developed some special modification of the nasal region for echolocation. Amongst the African Molossids, which have been

p. 318

recently listed and keyed by Hayman and Hill (1971), it finds resemblances with *Tadarida (Chaerephon) major* (Trouessart, 1897), which however lacks a clearly defined inter-aural pocket, as well as having several cranial differences in addition to the lack of nasal inflations. These are an upturned occipital region, wide flattened braincase and shallow, diffuse basial pits. It is also larger, with a forearm length of 42 - 44 mm and greatest cranial length 18.5 - 19 mm (Rosevear, 1965). In respect of the remarkable inter-aural pocket *T. gallagheri* most closely approaches an Oriental species, *Tadarida (Chaerephon) johorensis* (Dobson, 1873), which has a rather well defined pocket, differing however, in some details of structure from this species. The structure of the pocket in *johorensis* has been well described by Hill (1974). It differs particularly by being partially divided by a median septum, and the anterior face of the membrane does not project forwards in such a striking manner. *T. johorensis* also differs in some cranial features, as well as lacking nasal inflations, thus the narial emargination is rounded posteriorly, instead of being flash-shaped, with a pointed posterior extension as in *T. gallagheri*. It is also a larger species (forearm 46 - 50 mm). The discovery of a female *T. gallagheri* will be awaited with interest as its aural structure particularly may differ from the male.

Tadarida (Chaerephon) tomensis Juste and Ibáñez, 1993

p. 901

Holotype. - Adult female; skin, skull, and partial skeleton; Estacion Biologica de Donana (EBD) 18256, field number B7085; from Praia das Conchas, 3 km NW Guadalupe, Sao Tome Island, Republic of Sao Tome and Principe (0°24'N, 6°37'E); obtained on 22 April 1988 by Javier Juste and Antonio Ayong.

Paratypes. - Two adult females; in alcohol, skulls removed; EBD 17371 and 17734. EBD 17371 is from Agua Izé, São Tomé Island, and was collected by Javier Juste and Carlos Ibañez on 11 April 1988. EBD

p. 902

17734 is from Praia das Conchas, São Tomé Island, and was collected by Javier Juste and Antonio Ayong on 22 April 1988.

Distribution. - Known only from São Tomé Island where it has been collected at two localities.

Diagnosis. - Interaural membrane bearing a characteristic globular swelling on the anterior margin, similar to that found only in *T. (Chaerephon) gallagheri* among all African species. In lateral view, the interaural swelling extends slightly forward of the muzzle (Fig. 1). The anterior rostrum is inflated on each side of the anterior nares from (and including) the premaxillae to the lacrimals. The nasal opening is elongated when viewed from above (the nasals appear emarginate) with the posterior margin extending posterior to the lacrimal processes and the maxillary root of the zygomatic arches (Fig. 2). Also in this dorsal view the nasal orifice is shaped as an elongated bell; not flaskshaped as in *T. gallagheri*.

Description. - A small free-tailed bat (length of forearm of holotype, 38.5 mm; other measurements in Table 1) with round-tipped ears wider than long that extend forward slightly ahead of the muzzle. The well-developed antitragal lobe is subrectangular. The tragus is minute, and bears three lobes on its upper margin and a lower basal lobule.

A striking feature is the appearance of the interaural membrane (Fig. 1). The anterior margin of this membrane has the form of a truncated triangle when displayed that is slightly elevated centrally and has a small depression. The anterior margin of the in-

p. 904

teraural membrane also bears a central globular mass that extends a little beyond the muzzle. This mass is divided longitudinally by a medial groove and surrounds a 3-mm-deep pouch connected to the interaural membrane by a small median ridge. The base of the pouch is lined with a dense layer of brown hair that contrasts with the essentially naked interaural membrane.

The wing membrane is narrow, whitish, and nearly transparent in the middle and at the tips of the wings, and brownish black proximally along the sides of the body and the uropatagium. The body is dark brown dorsally, brown on the ventral sides and flanks, but whitish to pale-brown on the venter medially. The body pelage is dense, relatively long, and extends as a narrow strip along the flanks and uropatagium, where it is most conspicuous on the venter. The dorsal pelage is longest (ca. 7.0 mm) and has a whitish to pale-brown base; that of the venter is shorter (4.0 mm) and the individual hairs are tricolored-whitish basally, brown medially, and with pale-brown tips.

The rostrum is inflated laterally from the lacrimals to and including the premaxillae (Fig. 2a) on each side of the comparatively long and broad narial opening. The lacrimal processes are well developed, but not as long as in *T. gallagheri*. The braincase is rounded and only slightly elevated above the rostrum. In the specimens examined (females), supraorbital ridges and a sagittal crest are lacking; lambdoidal crests are weakly developed. The anterior insertion of zygomatic arches shows a conspicuous flattened space anterior to the orbital fossa. The zygomatic arches are slender and relatively straight when viewed dorsally. The premaxillae are fused; the degree of anterior palatal emargination resembles level 2 of Freeman (1981). The palate is broad, concave medially, and achieves its anterior maximum width at the level of the last premolar. The mesopterygoid fossa becomes wider posteriorly. The basisphenoidal pits are well defined (diameter, 1.2-1.6 mm) and deep (level 4 of Freeman, 1981), separated by a 0.2-mm septum (Fig. 2c). A line connecting the glenoid fossae passes through the anterior one-half of the pits. The auditory bullae are of moderate size. The mandible is slender, has a low coronoid process and a somewhat more developed angular process.

The dental formula is i 1/2, c 1/1, p 2/2, m 3/3, total 30. The upper incisors are large and separated by a space equal to the width of the cingulum of either incisor. The canines have a small posterior cusp on the posterolingual cingulum. The first upper premolar is small, aligned with the toothrow, and in contact with the canine and second upper premolar. The last upper premolar is well developed with a high crown and > 50 % the length of the canine. The first two upper molars are similar in size; labially the metacone is higher than the paracone, and lingually the protocone is much better developed than the hypocone. The third commissure of M3 is well developed and about the same length as the second (stage 2 of Freeman, 1981, scale).

Each of the lower incisors is small and separated from each other, the inner pair is larger and weakly bilobed. The lower premolars are caniniform, the second almost twice the size of the first. The first two lower molars are subequal in size; the third is smaller. The protoconid is the dominant cusp, followed by the hypoconid.

Comparisons. - Among African members of the subgenus *Chaerephon* with interaural membranes, only *T. major* shows some similarity to *T. tomensis* and *T. gallagheri* in the interaural structure, but *T. major* lacks a well-defined interaural pocket and shows striking differences in the skull, such as its flattened braincase and its shallow basisphenoidal pits (Freeman, 1981; Harrison, 1975).

Based on morphology of the interaural membrane and longer rostral inflations in the skull, the closest relative to *T. tomensis* among all African molossids is *T. gallagheri*, known only from the holotype, a male, from Kindu (Kivu region, East Zaire) and

p. 905

[table removed - eds.]

described by Harrison (1975). Body measurements are similar, but the two female specimens from São Tomé Island are slightly larger; the remaining female from São Tomé Island is noticeably smaller (Table 1). The interaural membrane in *T. tomensis* differs from that of *T. gallagheri* because the globular swelling is less projected over the muzzle. The fold that borders the pouch in *T. gallagheri* (Harrison, 1975) is absent in *T. tomensis*.

The most conspicuous differences between the two species occur in the skull (Figs. 2a and 2b). Specimens from São Tomé Island have a narrow postorbital constriction; yet a broader zygomatic width, especially as shown by the females from São Tomé Island, when compared with the holotype of *T. gallagheri* (Table 1). The shapes of the anterior insertions of the zygomatic arches are wider and flared in *T. tomensis* (Fig. 2a). While the nasal inflations are much less conspicuous in *T. tomensis* than in *T. gallagheri*, the nasal aperture is longer in *T. tomensis*, and the posterior border lies behind a line across lacrimals. The form of the nasal opening clearly is different for the continental and insular species (Fig. 2a). The palate differs by being narrower posteriorly in *T. tomensis*. Basisphenoidal pits are larger

p. 906

and deeper, and the septum is narrower in *T. gallagheri* (Fig. 2c). Finally, the occipital is blunter in *T. tomensis* than in *T. gallagheri* when seen laterally, being more similar to that of *T. pumila*. Although the teeth are similar, they all average significantly larger in *T. tomensis*, especially the canines (Fig. 2b) and upper first premolars (minuscule in *T. gallagheri*). Because the usual pattern of sexual dimorphism in *Tadarida* is one in which males typically exhibit greater body size, larger skulls, and more powerful teeth (Peterson, 1969, 1970, 1972), we argue that *T. gallagheri* and *T. tomensis* are not conspecific. *T. tomensis* clearly differs from the other similarly sized molossid on the island, *T. pumila*, because it has a different pattern of color in body pelage and because it has conspicuous differences in the interaural membrane and skull morphology.

Remarks. - The specimens from São Tomé Island show the unique interaural membrane that Dobson (1878) used to define the subgenus *Chaerephon*. They also share other features typical of the group such as an unreduced upper last molar, well-developed antitragal lobule, a relationship between the second phalanx and the total length of the fourth digit around 14 - 17 % (17.3 % in the holotype, 16.4 and 15.4 % in the paratypes of *T. tomensis*); a range assigned to *Chaerephon* by Freeman (1981), and finally, all dental attributes established by Legendre (1984). Indeed, on a supraspecific level, the specimens of São Tomé Island belong to *Tadarida (Chaerephon)*. Nevertheless, at this level, and supported by the appearance of *T. tomensis*, we could restrict the definition of the subgenus *Chaerephon* to the original character state defined by Dobson (1878). This would reduce the taxon to include only the species *johorensis, gallagheri*, and *tomensis*. However, the presence of a variably complex interaural membrane in other related species, as in *T. major*, makes it difficult to establish clear boundaries and therefore the restriction of *Tadarida (Chaerephon)* requires more detailed studies. The similarities of the structure of the interaural membrane clearly indicate a close phylogenetic relationship among *johorensis, gallagheri*, and *tomensis*. Such a relationship, however,

poses an interesting biogeographic dilemma: how does one reconcile the geographic gap of > 2,000 km between the two African species within the same forest block, and between these and *T. johorensis* from Sumatra and the Malayan Peninsula (Hill, 1961, 1974)? This great second gap could be explained by an early/middle Miocene forest corridor connecting these two areas (K. F. Koopman, pers. comm.). Among African species, the simpler structure of the interaural membrane and the less marked inflations in the cranial rostrum suggest the presence of less derived features in the insular *T. tomensis*, in contrast to *T. gallagheri* (D. L. Harrison, pers. comm.).

We expect that males of *T. tomensis* will be larger in size, and will show the same interaural structure described here for females. The ear formation is similar in both sexes of *T. johorensis* (Hill, 1974).

The discovery of this molossid increases to five the number of families of bats known for São Tomé Island; the emballonurid *Taphozous mauritianus* also was captured for the first time on the island. The known bat fauna of São Tomé Island now includes *Eidolon helvum, Rousettus aegyptiacus, Myonycteris brachycephala, Taphozous mauritianus, Hipposideros commersoni, Hipposideros ruber, Miniopterus minor, Tadarida pumila*, and *Tadarida tomensis*.

Tadarida [(Xiphonycteris)] petersoni El Rayah, 1981

p. 3

Holotype

Adult male in alcohol with skull extracted (ROM 55813) from 15 km S Kumba, Cameroun (04°39'N 09°26'E), collected 27 January 1970, by R. L. Peterson (Field No. 0364).

Specimens Examined (Holotype and 36 Paratypes)

CAMEROUN: Holotype and 18 topotypes (ROM MM 55748, 55752, 55753, 55812, 55813, 55814; FF 55780, 55746, 55747, 55749, 55754, 55755, 55756, 55815, 55816, 55817, 55818, 55819); Mawutu Village, 30 km N Buea Station (03°10'N 12°20'E) 6 (ROM FF 69096, 69097, 69098, 69100, 69102, 69104); 6 km SE Eseka (03°35'N 10°44'E) 3 (AMNH M 236332, F 236333), (CM F 42293); 30 km E Nanga Emboko (04°38'N 12°21'E)2 (AMNH M 241076, F 241078); near Okola (04°00'N 11°33'E) 1 (AMNH M 241075). GHANA: 12 km NE Kade (06°05'N 00°50'W) 6 (ROM MM 36563, 36564, 36600, 39427, FF 36601, 39380).

Distribution

Known only from the above localities in Cameroun and Ghana.

Diagnosis

A small member of the subgenus *Xiphonycteris* as defined by Koopman (1975) with open anterior palate and reduced third commissure, similar in skull size to *Tadarida nanula* and *T. spurrelli* but with a short distinct third commissure and deeper arched cranium. Wing bones longer than either *T. nanula* or *T. spurrelli* but shorter than *T. brachyptera* with which it is allied in overall shape characteristics.

Measurements of the Holotype

Total length, 93 mm; tail length, 27 mm; hind foot, 9 mm; ear, 19 mm; tibia, 13.3 mm (for other measurements see Tables 1 and 2).

Description

Muzzle short with vertically wrinkled thick upper lips (Fig. 1). Ears medium in size and joined on the muzzle by a deeply cleft band; tragus small, rectangular (about 1 mm wide and 1.8 mm high); antitragus somewhat rectangular (about 4.3 mm long and 3.3 mm high).

Feet small (about 9.0 mm), sparsely covered with hair to tip of toes. Calcar short (about 6.5 mm). Wing membrane insertion about 3.5 mm above the ankle at the base of the metatarsus. Dorsal pelage uniform Prout's Brown and extending to the sides of the neck immediately ventral to the antitragus. Base of dorsal hairs pale brown, darker distally. Ventrally, fur colour varies from Pale Ochraceous-Buff on chin and throat to light Pinkish Cinnamon on chest and abdomen. Pelage Cinnamon-Drab ventrolaterally along the insertion of the endopatagium to the base of the humerus and femur. Ventral pelage with white basal band, darker distally. Dorsally hair short (about 2 mm), ventrally slightly longer only on throat (about 4 mm). Hair extends to the endopatagium above and below. Posterolateral edge of uropatagium sparsely fringed with long bristles (about 6.5 mm).

Skull (Figs. 2 and 3) with first upper premolar small, in line with toothrow and filling the space between canine and second premolar; upper incisors vertical, parallel, separated from canines by pre-canine diastema (about 0.6 mm). Anterior palatal emargination extends posterior to upper incisors (covered by the soft palate in the holotype). Soft palate transversed by five palatal ridges. Third commissure on the last upper molar (M^3) reduced, much shorter than second (Fig. 3). Lower incisors small, bifid, and filling the space between canines. First lower premolar as high as second but wider at the base. Basisphenoid pits similar in shape to those of *T. brachyptera*, well defined, and oval in shape with a dividing septum, that is wide posteriorly and gradually narrowing anteriorly.

p. 6

Comparisons

Differs from *Tadarida nanula* in having longer and wider wings and skull; septum separating basisphenoid pits small and more triangular but pits larger; smaller canines; narrower postorbital constriction and larger braincase (Table 1). Differs from *T. spurrelli* (forearm 26.6-30.0) in having longer and wider wings and skull; upper and lower canines without enlarged cingula; higher braincase and longer mandible. Differs from T. brachyptera (=leonis) in having smaller wings and skull; shorter upper and lower canines; shorter mandible and the absence of well-developed sagittal or lambdoidal crests (Fig. 3).

Taphozous Dobsoni Jentink, 1879

p. 123

First phalanx of middle finger folded (in repose) on the upper surface of the metacarpal bone. Radio-metacarpal pouch well developed. Gular sac large in the male; as we have received no female, we cannot state if she too possesses a simular organ.

Ears shorter than the head; inner margin not papillate. Lower lip with a distinct groove.

Wings from the ankles. Interfemoral membrane greatly developed.

Under surface of the base of the thumbs with small fleshy pads. There is also a little rounded cushion near the base of the under surface of the footsoles.

The face in front of the eyes is covered with short blackish brown hairs.

General color as in *Taphozous mauritianus*: fur above buff brown near the base, then brown with grey extremeties. Chest and abdomen pure white. Hairs round gular sac colored as the sides of throat which is embellished with a chestnut collar.

On the upper surface the wing-membrane as far outwards as a line drawn from the ankle and the thumb to the elbow and also the hairy antehumeral and interfemoral membranes are brown, the hairs being colored as on the back: the wing membranes for the rest white, except a brown patch inside the first phalanx of the longest finger: beneath all the hairs and membranes are white, except the brown-colored interfemoral membrane.

Lower incisors distinctly trifid.

Length of the only specimen, an adult male, preserved in alcohol.

p. 124

Head and body: 97
Tail: 22
Free end of tail: 12
Ear: 13
Tragus: 6
Forearm: 62
Thumb: 7
Third finger-metacarp: 62
" " 1st phalanx: 22
" " 2nd phalanx: 23
Fourth finger-metacarp: 47
" " 1st phalanx: 12.5
" " 2nd phalanx: 8
Fifth finger-metacarp: 36.5
" " 1st phalanx: 12
" " 2nd phalanx: 10
Tibia: 26
Foot and claws: 10
Calcaneum: 17.5

Hab : Madagascar, Mahambo (J. Audebert).

This species is the largest among the other hitherto known African species of the genus *Taphozous*, which are provided with a distinct radio-metacarpal pouch.

Taphozous hamiltoni Thomas, 1920

p. 142

A fairly large species of the group with a naked gular patch in the female - a pouch therefore probably present in the male.

p. 143

Size rather smaller than in *hildegardeæ*, decidedly larger than in *sudani*. General external appearance as to colour and distribution of fur much about as in *perforatus* and its allies. Fur covering, but restricted to, the body, short; hairs of back barely 3 mm. in length. Colour above dark sepia-brown, the extreme tips of the hairs lighter, their bases white; below similar, but paler, the light tips being longer. Throat with a sharply defined naked patch, no doubt indicating that the male has a gular pouch.

Skull broad an stout, much more heavily built than that of *T. sudani*, and approaching that of the large *T. nudiventris*, though its muzzle is conspicuously shorter than in that animal and is without the great projection forward of the incisors. Forehead broad and flat, little hollowed out, the rise of the brain-case behind it not nearly so great as in processes well developed, short. Brain-case broad, more parallel-sided, less oval, than in *sudani*. Mesopterygoid fossa penetrating the palate to the level of the hinder edge of m^2. Basial pits broadly triangular, not very deep.

Teeth as usual, rather stout and heavy throughout, breadth across canines greater than in other species of the same size.

Dimensions of the type: -

Forearm (c.) 66 mm.

Head and body 80; tail 35; third metacarpal 60.

Skull: condyl to front of canines 22; zygomatic breadth 15; interorbital breadth 7.3; intertemporal breadth 5; breadth of brain-case 11.2; mastoid breadth 13; palato-sinual length 6.2; postpalatal length 11.2; basial pits, length 3, combined breadth 5. Teeth: front of canine to back of m^3 9.7; front of p^4 to back of m^2 6.5.

Hab. Mongalla, Sudan.

Type. Adult female. B.M. no. 19.12.18.1. No. 118 of Stevenson Hamilton collection. Collected 13th June, 1918. Presented to the National Museum by Wellcome Research Laboratories.

It is difficult to say to which of the older-known species this *Taphozous* is most nearly allied. Its skull is much stouter than that of *perforatus, sudani*, and their allies, while, of course, the widely differnt fur-distribution of *nudiventris* and the peculiar colour of *mauritianus* at once separate those forms from it. *T. hildegardeæ* has a much narrower and

p. 144

more slender skull, and no naked gular patch in the female. It is to be hoped that male specimens will shortly be obtained, so that the pouch-structure in that sex can be observed.

Major Stevenson Hamilton states that the specimen was captured in the verandah of his house.

Taphozous hildegardeæ Thomas, 1909

p. 98

Taphozous hildegardeæ, sp. n.

An African representative of the Asiatic black-bearded *T. melanopogon*.

p. 99

Radio-metacarpal pouch distinct. Lower lip scarcely grooved. No gular sac in male or female; a well-marked blackish beard in the male, covering the whole under surface of the throat. Upper surface pale brown, the bases of the hairs while, their tips chocolate-brown. Lips and chin anterior to the beard pale brown. Belly white, a few hairs tipped with brown. Limbs pale brown. Upperside of antebrachial, interfemoral, and wing-membranes near the body also brown, the more distal part of wing-membrane whiter; underside of all membranes white, as is the fur on the membrane on each side of the body. Ears, feet, and tail about as in *T. melanopogon*.

Skull as in *T. melanopogon*, but rather larger, and the brain-case broader.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 70 mm. (another M 67.5, a F 65.5).

Head and body 83; tail 22; ear 20; third finger, metacarpal 61, first phalanx 21.5, second phalanx 24; lower leg and foot (c. u.) 37.5.

Skull: greatest length 21.7; front of canine to back of m^3 9.2.

Hab. Mombasa district. Type from Rabai, 700'; others from Shimoni, sea-level.

Type. Adult male. B. M. no. 9.6.12.7. Original number 613. Collected and presented by Dr. and Mrs. Hinde. Four specimens.

This is a most interesting species, as it represents in Africa the Asiatic black-bearded *T. melanopogon*, not known west of India proper. From this it is distinguished by its larger size, the greater extension over the throat of the black beard (more as in *T. theobaldi*) , and its broader skull. No known African species are at all like it.

I have named the species in honour of Mrs. Hinde, who has so ably assisted in her husband's East-African collecting-work, and who has taken a special interest in bats.

Taphozous leucopterus Temminck, 1835

p. 284

TAPHOZOUS LEUCOPTERUS.
TAPHIEN LEUCOPTERE.

Planche 60. fig. 7.

Taille intermédiaire entre le *Taphien à ventre nu* et le *Taphien perforé*. Museau glabre; base des oreilles poilues; partie de l'antibrachium, membrane inter-brachiale et moitié de la partie supérieure de l'interfémorale très poilues; le reste couvert de poils ras et rares; osselets du calcaneum très longs; queue perforant la membrane vers le milieu de sa longueur; une grande partie de la membrane des ailes d'un blanc pur. Oreilles à peu-près rondes, tragus en forme de large fer-de-hache. Dents incisives supérieures nulles, 4 très petites et trilobées à la mâchoire inférieure: canines à talon pointu dirigé en avant; molaires 5 en haut, dont une, large et très courte anomale; l'arrière molaire de moitié moins large que sa voisine: en bas 5 molaires dont 4 parfaites et une petite anomale. La denture du jeune-âge n'a pas été examinée.

Pelage court, bien fourni, tricolore aux parties supérieures et sur les côtés du cou, unicolore en dessous. Tout le dessus du corps et les côtés du cou ont une teinte cendrée fourure de petit-gris; les poils sont d'un brun c1air à leur base, noirâtres au milieu et terminés de gris-clair; tout le dessous du corps, du cou et les rubans de poils le long des flancs et de l'antibrachium sont d'un blanc pur. La membrane alaire de l'antibrachium est en grande partie blanche, et celle entre les doigts de l'aile d'un gris-clair; l'interfémorale et la membrane qui s'étend le long des flancs sont noirâtres.

Longueur totale depuis la pointe du museau au bout de l'interfémorale 3 pouces 6 ou 7 lignes; osselet du calcanum 8 lignes; envergure 12 pouces 4 ou 6 lignes; antibrachium 2 pouces ou 1 ligne de plus.

Cette espèce est nouvelle; elle a fait partie d'un envoi d'objets recueillis dans l'intérieur de l'Afrique méridionale; les mœurs n'ont pas été observées; elle fait partie du Musée des Pays-Bas.

Taphozous nudiventris Cretzschmar, 1830-1831

p. 70

Nackbäuchiger Grabflatterer

Diagnos. Taphozous facie usque ad regionem ophthalmicam, sumine, inguinibus, prymna et uropygio, nudis; corporis colore supra ex fuscescente griseo, infra albido.

Ausmessungen.

	Fuß.	Zoll.	Lin.
Lange von dem Scheitel bis zu der Schwanzspitze:	-	4	3
Flügelweite:	1	4	6
Länge des Kopfes:	-	1	-
Länge der Ohren:	-	-	9

Beschreibung.

Gesicht spitz zulaufend und von der Nase bis zu der Augengegend nackt. Lippen wulstig mit einzelnen Härchen besetzt. Unter dem Kinn ein kleiner Blindsack der durch eine Hautfalte entsteht. Der innere Rand des Ohres etwas ausgezackt, der Ohrdeckel kurz, zugerundet. Die Nasenlöcher klein, nach vornen gerichtet; die Augen mittelmäßig groß, schwarz von Farbe. Die Farbe auf dem oberen Theil des Körpers aus dem Lichtbraunen in das Weisgraue spielend, auf dem Unterkörper noch heller, ins Weißliche übergehend. Die Flug- und Intercrural-Membranen hellbraun; die letztere nach vornen aufgeschürzt, von dem Schwanzende durchbohrt. Der Steiß, die Schwanzgegend, der Unterbauch und die Schamgegend sind nackt und fleischfarbig. An dem Nagelglied jeder Zehe ein Büschel von steifen, gekrümmten Härchen.

Der hier bescbriebene Taph. nudiventris unterscheidet sich von dem von Geoffroy in Egypten aufgefundenen Taph. perforatus nicht nur durch die Dimensionen seines Körpers *), indem er um ein Drittheil größer ist als der letztere, sonderit durch die Nacktheit aller Körpertheile, welche der hinteren und vorderen Seite der Beckengegend angehören und bei allen, sowohl alten als jungen Thieren bemerkt wird. Bei Taph. perf. Geoffr. sind dagegen alle diese Theile vollkommen behaart. Eben so ist die Färbung der Haare bei dieser Art durch eine oben dunklere unten hellere graue Farbe verschieden. Auch die Schädel beider Thiere sind sehr verschieden und wir können um so mehr eine zuverläßige Bestimmung darüber erlassen, da uns Rüppell aus verschiedenen Gegenden Egyptens viele alte und junge Individuen beider

*) Die Abbildung ist um 1/3 kleiner als die naturliche Größe.

p. 71

Arten eingesendet hat. Auf der Tafel 27 haben wir zur besseren Verdeutlichung unter No. 1.2.3. die obere und untere Fläche des Schädels und den Unterkiefer von *Taph. nudiventris*, so wie unter 4.5.6. dieselben Theile von *Taph. perforatus* (Geoffr.) abbilden lassen. An dem Oberkiefer des letzteren sind die Backenzähne so sehr abgenutzt, daß ihre Schmelzleisten ganz geebnet und nicht mehr zu erkennen sind, woraus wir auf das hohe Alter dieses Individuums zu schließen uns berechtigt glauben. Somit sind denn beide Arten durch Größe des Körpers, Farbe und Vertheilung der Behaarung, so wie durch den Schädelbau vollkommen verschieden und können unbezweifelt als Species gelten.

VaterIand. Egypten, Nubien.

Aufenthalt. Häufig in den Pyramiden von Gize.

Taphozous peli Temminck, 1853

p. 82

TAPHOZOUS PELI.
TAPHIEN DE PEL.

Pelage peu abondant, très-court et lustré; couvrant seulement le corps et la tête, et laissant complétement

p. 83

à nu toutes les parties postérieures, de même que tout le système cutané.

Le pelage du corps, du cou et de la tête est en dessus d'un marron vif et lustré, en dessous d'une teinte un peu plus claire et terne. Sous le menton qui est à nu, s'ouvre une poche, dans les replis de laquelle s'opère la sécrétion de la matière onctueuse. La face n'est couverte que de quelques poils rares et noirs. Les oreilles sont grandes; à leur base se forme un prolongement du derme, dirigé sur les joues; le tragus est grand, en fer-de-hache. La queue assez longue; perce la membrane interfémorale vers le milieu de son étendue: toutes les autres parties du derme sont nues et noires. Les dents sont en tout semblables et en même nombre que dans les autres Taphiens; les quatre incisives inférieures sont trilobées.

Longueur de la pointe du museau au bout de l'interfémorale 6 pouces; de la queue 1 pouce 4 lignes, dont 6 lignes de libre; envergure 19 à 20 pouces; antibrachium 3 pouces 1 ou 2 lignes.

Patrie. Cette espèce nouvelle a été tuée sur la riviere de Boutry, côte de Guiné.

Taphozous Sudani Thomas, 1915

p. 561

T. perforatus group. No gular sac. Feet comparatively large.

Size slightly greater than in *T. perforatus*. Distribution of fur about as in that species, except that the longer hairs are less extended on the thighs and interfemoral membrane. General colour above and below sepia-brown, the hairs white for their basal two-thirds. Wing-membranes whitish or white beyond a line connecting the elbow with the knee; rest of the membranes brown, more whitish below. No gular sac in male or female, nor any trace of it on the skin. Feet decidedly larger than in *T. perforatus*, about 13 mm. in length or upwards, as compared with about 11 mm. in the allied species. Wing-membrane inserted on the end of the tibia, instead of the ankle.

Skull in general like that of *T. perforatus*, but slightly

p. 562

larger and the brain-case more swollen. Male skull decidedly larger than that of the female.

Dimensions of the type (measured on the spirit-specimen): -

Forearm 64 mm.

Head and body 71; tail 23; ear 17; third finger, metacarpal 58; first phalanx 21.5; lower leg and hind foot (c.u.) 39; hind foot only 13.5

Skull: greatest length to base of canine 20.2; condyle to front of canine 19.7; interorbital breadth 6.1; breadth of brain-case 10; palato-sinual length 6.5; maxillary toothrow 8.8.

Hab. Upper Nile. Type from Mongalla, just north of Lado; other specimens from Khartoum (*Major H. N. Dunn*) and Lake No (*Willoughby Lowe*).

Type. Adult male. B.M. no. 2.7.4.2. Collected and presented by W. L. S. Loat, Esq.

This species is distinguishable from *T. perforatus* by its larger feet, more swollen brain-case, and whitened wing-membranes; from *T. hildegardeæ* by its smaller size, the absence of any gular beard, and generally darker colour.

Taphozous sudani australis Harrison, 1962

p. 763

As type specimen of this new form an adult male, no. 9932, is nominated. It was obtained on the 5 May 1960 at the junction of the Limpopo and Shashi Rivers, Southern Rhodesia. The specimen is now in the National Museum of Southern Rhodesia, Bulawayo.

DESCRIPTION OF THE TYPE

The specimen agrees in all essential characters with the typical form of the species. The gular sac is absent, nor is there any gular beard. The radio-metacarpal pouch is present. Hind feet large, 13 mm. in the dried skin, without claws. Wing membranes strongly whitish beyond a line connecting the elbow with the upper tibia. Skull decidedly lighter and

p. 764

more delicate than in the typical form, not exceeding that of *Taphozous perforatus* in size, although with the same relatively swollen braincase in comparison with the rostrum as in *T. s. sudani*. Hence in comparison with typical *T. s. sudani* the rostrum and interorbital region are very distinctly lighter and narrower and in relation to this the dentition also is more delicate, this being particularly noticeable in respect of the upper and lower canines. The external and cranial measurements are given in the tables below and it will be seen that the cranial measurements are distinctly smaller, the external measurements differing but little from the typical form.

[table removed - eds.]

The brown tips of the hairs on the dorsal surface are slightly darker than the specimens of the typical form examined (nearly matching Hudson Seal A9, Pl. 8 of Maerz & Paul, 1950) while the pale creamy buff hair bases where they are exposed over the shoulders contrast more sharply with the dark brown hair tips than in the typical form. On the ventral surface the pelage extends uniformly over the whole abdomen to the base of the tail, the distal part of the belly therefore not naked. On the throat and neck the fur is brown and little lighter than the dorsal surface, while over the chest and abdomen it becomes lighter and tinted with ashy grey (closely matching Slate - Gy + Kasha - Beige Oriental Pearl -, A2, Pl. 14 of Maerz & Paul). Some whitish hairs are found in the inguinal region. A band of ashy grey hairs extends along the proximal

p. 765

part of membrane from the axilla to the upper femur, while a narrow band of whitish hairs extends along the lateral border of the radius as far as the base of the fifth metacarpal. The ears, proximal wing membranes and whole interfemoral membrane are dusky, blackish, the latter rather lighter ventrally. The distal wing membranes are whitish beyond a line joining the elbows to the upper tibia, but the tips of the wings are again slightly dusky although translucent. The form of the ears and tragus does not differ significantly from the typical form. The upper canines are tall and slender, much more delicate than typical *T. s. sudani* with the antero-medial and postero-medial cusps both less prominent. The lower canines are similarly lighter but no other significant dental characters are observed in comparison either with *T. s. sudani* or with *T. p. perforatus*.

[table removed - eds.]

The paratypical series is in general closely similar to the type, although in one example (9928) the tips of the hairs on the dorsal surface are decidedly more rufous brown than the others, especially on the head, while the whole distal wing membrane in this specimen is strongly whitish. It has been previously noted (Harrison, 1958) that in the West African *T. p. swirae* Harrison the distal wing membrane is slightly paler in some specimens than is usual in *T. perforatus*, but in all the specimens of this series the wing membranes are far more strongly white than in any example of *T. perforatus* yet seen. The cranial measurement of the series average smaller than those of *T. s. sudani* but the lachrymal

p. 766

breadth and tooth-rows are constantly smaller, thus confirming the cranial characters noted in the type (see Table 6). The discovery of this bat so far to the south of its previously known range is of great interest and the constantly large hind feet and whitish wing membranes confirm the existence of two species of the *T. perforatus* group in Africa, both of which are now known to be widely but differently distributed. T he small-footed and dusky winged *T. perforatus* extending from Egypt southwards to Kenya and Sudan, eastwards to southern Arabia, Cutch and Kathiawar in India and westwards at least to northern Nigeria, while the large-footed *T. sudani* with whitish wings is known from Sudan, Belgian Congo, Togoland (Hayman, 1954) (British Museum specimen) (*vide* Booth, 1956) and now by the newly described form from Southern Rhodesia.

Triænops aurita G. Grandidier, 1912

p. 8

Cette Chauve-Souris , qui appartient au genre *Triænops*, a été capturée par M. le Dr Mazières aux environs de Diego-Suarez, dans l'extrême Nord de Madagascar; des trois espèces de ce genre connues jusqu'à ce jour dans la grande île, deux vivent dans la forêt tropicale de la côte orientale, d'où M. Humblot a rapporté les premiers exemplaires, tandis que j'ai recueilli les individus types de la troisième dans la grotte de Sarondrano, à quelques kilomètres de Tulear, c'est-à-dire dans le Sud-Ouest de notre colonie. On voit donc que non seulement ce nouveau *Triænops*, comme nous allons le montrer, se distingue de ses congénères par des caractères anatomiques importants, mais aussi par son habitat.

Le *Triænops aurita* n'est représenté dans nos collections que par un unique exemplaire mâle adulte qui malheureusement a été plongé dans le formol, puis desséché accidentellement au cours du voyage, de sorte que, quoique son état de conservation extérieure soit très bon, il a été impossible de dégager le crâne de la peau. Néanmoins les caractères externes sont si nets qu'il n'y a aucun doute qu'il faille rapporter ce nouvel animal au genre *Triænops*. Ses appendices nasaux cutanés se composent d'un fer à cheval formé d'une seule feuille repliée en volute dans sa partie antérieure; au fond du fer à cheval, en arrière, se trouvent trois petites éminences que dominent trois lobes en fer de lance de longueur à peu près égale; sur

p. 9

l'éminence centrale se dresse une petite languette. Les fossettes sont situées, l'une grande et bien ouverte en avant et au pied des trois éminences, et les autres, latérales, à la base du trident.

Les oreilles sont proportionnellement très grandes pour une Chauve-Souris de ce genre; pointues à leur extrémité supérieure, très rapprochées sur le sommet du crâne, elles dominent toute la tête; elles sont plus longues que larges et à peine échancrées. A première vue, seules elles suffiraient à différencier le *Triænops aurita* des autres espèces du genre.

La queue est courte, ne dépasse pas la membrane qui forme un angle assez ouvert et non pas aigu comme chez le *Tr. Rufus* ou comme chez *Tr. Humbloti*. Son extrémité n'atteint pas les pieds, tandis que chez les autres *Triænops*, elle les dépasse beaucoup.

Le pelage est gris noir sur le dos (la base des poils est presque blanche, tandis que la pointe est fréquemment noire, surtout sur le dos et les reins); le ventre est gris sale. Les poils ne dépassent pas le corps proprement dit et n'empiètent ni sur la membrane claire ni sur l'interfémorale.

Le *Triænops aurita* semble être jusqu'à présent la plus petite espèce du genre. Ses dimensions sont, en millimètres: tête et corps, 35; queue, 15; tête, 16; avant-bras, 45; pouce (ongle compris), 5; deuxième doigt, 38; troisième doigt, 60; oreilles: longueur, 16; largeur, 11; tibia, 20; pieds (ongles compris), 7.

La silhouette que nous donnons ci-dessus et qui représente la tête du *Triænops aurita* au double de la grandeur naturelle n'a pour but que de montrer les proportions relatives de la face et des oreilles, et la disposition de ces dernières.

Triaenops persicus majusculus Aellen and Brosset, 1968

p. 450

TYPE. - M adulte, en alcool. Grotte de Doumboula, Loudima, République du Congo, 19.6.1964; coll. J.-P. Adam. Muséum de Paris 1968-412.

PARATYPES. - 5 MM ad., 5 FF ad. Mêmes lieu, date et coll. Que le type. Muséum de Paris.

4 MM ad., 2 FF ad. Mêmes lieu et date que le type, coll. Taufflieb (3403-1, 3403-4). Muséum de Genève 1074.41 à 46.

2 FF ad. Grotte de Meya-Nzouari, 29.11.1966, coll. Adam (503 A, 504 A). Muséum de Paris.

DIAGNOSE. - Semblable à *Triaenops persicus afer* Peters, mais plus grand: avant-bras 53.4 à 60.1 mm (moyenne 55.0 mm), crâne, longueur totale 18.9 à 21.2 mm (moyenne 20.4 mm).

DESCRIPTION. - Les spécimens de notre série ont été comparés à des *T. persicus afer* du Muséum de Paris, provenant de Zanzibar. Ils sont semblables, sauf pour les dimensions, qui sont plus grandes dans la nouvelle sous-espèce (cf. tableau ci-dessous).

Le caractère invoqué par DORST (1948: 18) pour séparer *afer* de *persicus*, soit le prolongement lancéolé de la selle bifide chez le premier, unicuspide chez le second, ne nous paraît pas très valable, bien que nous n'ayons pas eu à notre disposition des *persicus* typiques. Dans notre série du Congo et sur les exemplaires de Zanzibar, cette lancette présente un bord supérieur très oblique, droit ou légèrement concave, ce qui détermine parfois un semblant de deux pointes. La variabilité de ce caractère n'avait d'ailleurs pas échappé à DOBSON (1879: 717), qui ne trouve aucune différence importante entre ces deux formes.

Il nous paraît superflu de reprendre ici une description détaillée de notre nouvelle forme, car nous ne ferions que répéter ce qu'ont dit plusieurs auteurs sur *persicus* sensu lato. Le lecteur pourra se référer aux descriptions originales et à celles de TATE (1941), de DORST (1948), de HARRISON (1955, 1963, 1964).

Actuellement, le statut taxonomique et la répartition géographique des formes du genre *Triaenops* sont les suivants:

Triaenops Dobson, 1871
furcula Trouessart, 1906: Madagascar
rufus Milne-Edwards, 1881: Madagascar

humbloti Milne-Edwards, 1881: Madagascar
persicus Dobson, 1871

p. 451

persicus Dobson, 1871: Perse
macdonaldi Harrison, 1955: Oman
afer Peters, 1877: Aden, ex-Somaliland, Kenya, Tanzanie, Zanzibar, Mozambique
majusculus, subsp. Nov. : Congo (Brazzaville)

Dans sa révision, DORST (1948) considère encore *afer* comme spécifiquement distinct de *persicus*. Mais, HARRISON (1964), qui est certainement l'auteur qui a examiné le plus de matériel de *persicus s. l.*, admet que *afer* n'est qu'une sous-espèce de *persicus*, suivant en cela la notion ancienne de DOBSON (1879).

D'après les descriptions et mensurations publiées, les quatre sous-espèces aujourd'hui reconnues de *Triaenops persicus* se distinguent avant tout par leur taille:

[table removed - eds.]

Précisons encore que dans notre nouvelle sous-espèce la première prémolaire supérieure (P^2) est située dans la rangée dentaire, sur le bord externe, et sépare nettement la canine © de la deuxième prémolaire (P^4). Cela correspond à la figure de *T. afer* donnée par DORST (1948: fig. 2 C).

Il nous paraît intéressant, d'autre part, d'étudier l'os pénien de notre nouvelle sous-espèce, puisque celui de la forme la plus voisine, soit *T. persicus afer*, est déjà connu et peut servir de comparaison (MATTHEWS, 1941).

La forme générale est assez semblable, mais l'extrémité proximale est sagittée et non lancéolée. Cependant, la différence la plus remarquable est la taille: chez *p. afer*, le baculum mesure 2.8 mm, selon la figure 15 D de MATTHEWS; il n'atteint pas 2 mm chez *p. majusculus* (1.88 et 1.57 mm sur deux spécimens examinés).

REMARQUES. - La présence d'un *Triaenops* au sud de la République du Congo est une donnée inattendue. En effet, le genre passait pour typiquement oriental. Cette notion classique est à revoir. En fait, ces chiroptères ont dû pousser vers l'ouest, à partir du Zanzibar et de la Tanzanie, et à travers le couloir écologique constitué par les lisières méridionales du Massif congolais, des populations don't

p. 452

[table removed - eds.]

p. 453

l'extrême pointe de répartition se situe près de l'Atlantique. On peut penser qu'une exploration plus complète des régions intermédiaires conduirait à la découverte de nouveaux jalons illustrant cette progression des *Triaenops* vers l'occident. C'est du reste la forme qui peuple l'Afrique orientale qui est la plus proche de notre nouvelle sous-espèce.

Triænops rufus A. Milne-Edwards, 1881

p. 1034

Le Muséum d'Histoire naturelle vient de recevoir de Madagascar une collection fort importante et riche en objets rares ou inconnus; elle lui a été offerte par M. Humblot, qui a surtout exploré, sur la côte est, la région comprise entre Fou.apointe te le lac l'Aincatre.

P. 1035

Plusieures Chauve-souris n'étaient pas connues; j'indiquerai d'abord deux espèces remarquable par la complication des appendices cutanés de la face et appartenant au genre *Triænops*; elles se distinguent du seul Triænops propre à l'Afrique (*Triænops afer* Peters) mar la forme lancéolée et simple de la feuille centrale du nez et du Triænops de Perse (*Triænops persicus* Dob.) par la disposition des conques auditives, don't le bord interne est plus profondément échancré. L'un de ces Triænops, que j'ai désigné sous le nom de *T. rufus*, se reconnait facilement à la couleur rousse de son pelage; l'autre (*Triænops Humbloti*) est un peu plus grand, et son poil est d'un gris qui rappele à la teinte de nos Rhinolophes.

V[espertilio] acetabulosus Hermann, 1804

V[espertilio]. acetabulosus. Caudatus , fusco-niger , pilis ad extremos plantarum digitos longissimis, membrana acetabulosa nuda ad sternum. Commers. mscr. n.° 51.

La petite Chauve-souris du Port Louis. Magnitudo europaeorum. Volatus amplitudo pollicum decem.

Dentes in maxilla superiore duo parvi anteriores, disjuncti. Duo maximi etiam remoti et uncinati, seu introflexi. Molares quinque vel sex contigui.

p. 20

In maxilla inferiore dentes incisores quatuor, minimi, vix conspicui. Canini duo maximi inter maximos et minores maxillae superioris suscipiendi. Molares quinque vel sex.

Aures magnae, acutae, nudae, basi tantum pilosae, apice nonnihil deflexo quasi falcatae.

Odor mellis recentis.

V[espertilio] mauritianus Hermann, 1804

p. 19

Commerson in *Fauna Borbonica* manuscripta sequentes vespertiliones novos describit:

V[espertilio]. mauritianus. Ecaudatus , capite dorsique lateribus rufis, collo, dorso et corpore subtus saturate ferrugineis, aoribus simplicissimis , palmis biunguiculatis. Commers. mscr. n.° 42.

La grande Chauve-souris de Maurice. Magnitudo eadem quae Vespertilionis insulae Bonro. (cujus descriptio autem non occurrit.) Dentes iidem.

Habitat in sylvis. Carnis sapor exquisitus, leporinae accedens.

Vansonia Roberts, 1946

p. 304

Vansonia n.g., genotype *Pipistrellus vernayi* Roberts

Ann. Transv. Mus. XV, 16; 1932: Tamalakane River, Ngamiland.

This genus differs from *Pipistrellus* and related genera, in which the cranium is slightly raised above the level of the muzzle and with the same number of teeth, in having the inner of the two upper incisors deeply bifurcate, while the outer upper incisor is much reduced in size; the anterior upper premolar, though small, lies within the tooth row and separates the canine and large premolar. Presumably this name displaces *Alobus* Peters, genotype *Vespertilio temminckii* (1867) (which I have not examined), which is preoccupied by *Alobus* Leconte (1856).

Vespertilio Bocagii Peters, 1870

p. 125

Vespertilio Bocagii. Nov. sp.

V. rufus, subtus pallescens, pilis basi nigris; auriculis externe emarginatis; trago elongato, antice recto, postice convexo; patagio ad digitorum basin extenso ; cauda ápice libera ; patagio nudo; incisivi inferiores ad directionem marginis mandibulae positi; ápice incisivi superioris primi postice dente secundo paullo breviore.

Long. tota 0^{m},0900
" capitis 0^{m},0170
" auris 0^{m},0130
" " marg. ant. 0^{m},0105
Lat. auris 0^{m},0075
Long. tragi 0^{m},0055
" caudae 0^{m},0400
" humeris 0^{m},0230
". antibrachii 0^{m},0330

p. 126
" digit 1. (mtc. 0,0020; ph. 1. 0,0035; ph. 2. 0.0020) 0^{m},0080
" " 2. (" 0,0340; " 0,0027) 0^{m},0370
" " 3. (" 0,0340; " 0,0150; ph. 2. 0,0110; cart. 0,0065) ... 0^{m},0665
" " 4. (" 0,0320; " 0,0105; " 0,0080; " 0,0020) ... 0^{m},0525
" " 5. (" 0,0330; " 0,0100; " 0,0060; " 0,0030) ... 0^{m},0520
" fem 0^{m},0140
" tibiae 0^{m},0175
" plantae 0^{m},0100

" cale 0^{m},0160

Duque de Bragança. (Anchieta)

Vespertilio borbonicus E. Geoffroy Saint-Hilaire, 1803

p. 55

7. Esp. Le vespert. de l'île de Bourbon. *Vespertilio borbonicus*. (Geoff.)

Caract. Oreilles courtes, ovales; oreillon en demi-coeur; pelage marron en dessus, blanchâtre en dessous.

Espèce inédite.

Descript. T. 0,^{m}08 (2 p. 11 l.). Cette espèce se rapproche beaucoup de la Noctule, dont elle diffère cependant par l'orreillon plus long et en forme de demi-coeur, et par les couleurs du ventre: les poils sont d'une teinte uniforme dans toute leur longueur.

Patrie. L'île de Bourbon.

N°. CXXII. Individu n'ayant que deux incisives à la mâchoire supérieure.

N°. CXXIII. Cet autre individu n'a que trois incisives, ce qui prouve que les deux autres manquent de même dans l'individu précédent: ces deux individus nous ont été envoyé par Macé, naturaliste.

Vespertilio Capaccinii Bonaparte, 1837

Vespertilio capaccinii

VESPERTILIONE DEL CAPACCINI

VESPERTILIO auriculis laleralibus, capite tertio brevioribus, ovato-lanceolatis, margine integris; trago brevi, gracillimo: pedibus robustis a patagio anali angusto villosissimo valde excedentibus: vellere griseo-rufescenti, subtus cinereo-flavido.

Si astennero dalle orgie di Bacco le tre Miniadi sorelle, e sdegnarone perfino di credere che concepito da Semele compiesse quel favoloso Nume i suoi nove mesi dentro un femore del padre Giove. Nemiche di tai crapule e di tai ciance, quel tempo che le altre femmine spendevano in feste ed in sì poco ragionevoli riti, consumavano esse nelle faccende dimestiche e nelle arti di Minerva:

Solae Minaeides intus
Intempestiva turbantes festa Minerva,
Aut ducunt lanas, aut stamina pollice versant,
Aut haerent telae, famulasque laborìbus urgent.

Ma siccome tulto in que'giorni era Bacco, e della sua onnipotenza non si dovea dubitare, dicesi che ammonite invano da' prodigi raccontatici da Eliano nella sua storia varia, fossero finalmente colpite dallo sdegno divino, e in brutti Vespertilioni tramutate, traendo con una morale soverchiamente naturale, che Ie odiatrici di tanta luce giustamente si condannavano ad assumere le mostruose forme descritteci dal Sulmonese:

Lucemque perosae
Nocte volant, seroque trahunt a vespere nomen.

I diversi tempi però, i diversi costumi, le utilità conosciute delle arti, che ancor diciam di Minerva, massime a rimpetto della dannosa licenza de'Baccanali, assai diversa ci additano l'applicazion della favola; ed invece di scorgere in questo animale gli effetti della miscredenza e della empietà, siamo piuttosto condotti da miglior senno a deplorare la poetica finzione che a lai volatili apparentemente brutti, messaggieri e compagni della tristezza notturna, assegnasse una origine da evitarsi, ch' è quanto dire si spendessero ad accreditare il pazzo culto di Bacco. Ad oggetto pertanto di rivendicar la memoria delle buone e studiose Miniadi, più che all'uomo di stato vogliam raccommandarla al filosofo che in mezzo a gravissimi affari coltiva le già familiari scienze naturali, cui tutto modestamente amerebbe in pace di dedicarsi. Ond' è che intitoliamo a Monsignor Francesco Capaccini, il quale degna del suo favore Ia nostra Iconografia, questa nuova specie di Vespertilione a' suoi meriti non del tutto disacconcia, sì per lo amore sviscerato che alberga nel cuore per le arti di Minerva già da lui grandemente protette, sì per la ritiratezza, assiduità, vigilanza, cui fin da giovinetto consecratosi ad onore del sacerdozio, sempre vieppiù si dedica coll'adempiere scrupolosamente gli officii dell' altissimo ministero senza curarne lo abbagliante splendore.

Pervenutoci dalla poco esplorata Sicilia ha questo Vespertilione il trago assai più gracile e più sottile dello stesso *V. emarginatus*. La grandezza del pollice alare, la esimia robustezza de' piedi pochissimo inceppati dalla membrana interfemorale piena, tenace, assai pelosa, e scarsamente estesa, son poi caratteri tutti suoi proprj, mercè de' quali ad altri gruppi si approssima, che non sono di questa parte di mondo.

Il suo muso è molto erto e grosso, sporgente al di là delle orecchie quanta proprio è la distanza che corre tra l'una e l'altra: il naso ottusissimo offre larga ma superficiale depressione tra le narici: gli occhi grandicelli e molto infossati son quasi tre volte più vicini all' orecchio che alla punta ,del muso, e tanto distanti tra loro quanto dalla sudetta punta: la bocca è pochissimo fessa, non

giungendo all'angolo anteriore dell' occhio; i denti sono piccoli e sottili: le orecchiette collocale molto in basso sui lati del capo sotto la linea degli occhi, son lunghe una volta e mezza appena di quanto son larghe, e due terzi al più della lunghezza del capo; la forma loro è lanceolato-ovale, e non mostrano intaccatura, ma un semplice dolcissimo seno sotto la metà del lembo esterno; il trago che non arriva a mezz' orecchia è retto, ed oltre modo sottile: le estremità del muso e le labbra sono scarsamente coperte di peli, che però folleggiano moltissimo sulla fronte, e nello spazio interoculare: mostrasi di sotto il mento una grossa glandula. Le bucce, alte. circa la metà di lor lunghezza, se chiudonsi addosso al corpo oltrepassano di poco l'estremità del muso. La membrana interfemorale assai tarpata obliquamente di qua e di là, riesce a forma di triangolo acuto che lascia molto liberi i piedi, orlando strettamente la coda, della quale lascia sporgere una puntarella sottilissima; spargesi di molti peli dalla base fino alla metà, non meno sopra che sotto, alcuni dei quali le fanno ciglio io prossimità dei piedi: pelosissima è parimente la membrana delle ali lungo i fianchi, particolarmente al di sotto. La coda uguale all' antibraccio è poco più breve del corpo. Le cinque dita dei piedi ugualissime fra loro portano lunghi peluzzi bianchi, e son terminate da unghiette bianche, robuste, molto uncinate, acutissime. Il pelame è molle e folto, dì color cannellino chiaro che verge alquanto in rossastro, inferiormente cinereo-giallastro, essendo i peli dì sopra cinerei dalla base fino alla metà, e di un bel castagno cupo fino ai due terzii nelle parti inferiori. Le bucce, la membrana interfemorale e le stesse orecchie rosseggiano alquanto invece di tendere più o meno al filiggine come in altre specie. Il cranio è similissimo per le forme e le proporzioni a quello del *V. emarginatus*, essendo lungo quasi due volte quanto la propria altezza, con l'encefalo assai rigonfio e senza cresta occipitale.

	poll.	lin.
Lunghezza totale dalla punta del muso all apice della coda:	3	2
" del capo:	"	8
" delle orecchie:	"	5 1/2
" della coda:	1	6
Estensione delle bucce:	10	"
Altezza delle medesime:	2	"
Lunghezza del braccio:	"	11
" dell'antìbraccio:	1	6
" del pollice:	"	3
" della coscia:	"	6
" della gamba:	"	8
" del piede:	"	

Vespertilio Capensis A. Smith, 1829

p. 435

Vespertilio Capensis, mihi.

V. suprà flavo-fuscus, subtùs flavO-albus; membranis nigro-fuscis, interfemorali longè ultra pedes extensâ et posticè acuminatâ, ubi caudæ est terminatio; auriculis indentatis externè, et apicibus subacutis, trago lineari, subfalciformi.

Above yellowish brown, beneath yellowish white; membranes blackish brown, the interfemoral one extending considerably beyond the feet and pointed behind, where the tail terminates; auricles indented on their outer edges and with their tips sub-acute; tragus linear and falciform; head short, its sides and the muzzle bare and black, lips margined towards the angles of the mouth with strong brownish hair. Length of body, an inch and three-quarters; length of tail, three-quarters of an inch; expanse of wings, nine inches.

This species has a strong affinity to the *Vespertilio Temmmckii* of Dr. Horsfield, and perhaps when the two are accurately compared together will be found to be the same, and the trifling apparent differences to be dependent upon changes which take place during the preparation of specimens. In the Cape example the posterior part of the interfemoral membrane is inclined to a semicircular form, whilst in that of Java it will be found to be more acuminated. Other slight differences are also observable, independent of those of colour and size.

Vespertilio d'asythrix Temminck, 1840

p. 268

VESPERTILIO D'ASYTHRIX.
VESPERTILION À POIL TOUFFU.

Ressemble plus ou moins au *vespertilion blépote* de l'archipel des Indes; mais il est moins grand, et ses oreilles quoiqu'aussi amples et près que totalement arrondies ont une conque plus développée et leur forme est en angle tres ouvert.

Museau très obtus et large, garni d'un pelage abondant jusqu'à la pointe de muffle, où deux bouquets de poils raides sont disposés en moustache. Oreilles plus larges que hautes, orbiculaires, mais terminées en un angle très ouvert; à moitié poilues en dehors, un repli s'avance vers la commissure des lèvres; tragus court, en feuille arrondie. L'articulation du pied avec les métatarses totalement libre. Queue très longue, à membrane développée. Museau court; boîte cérébrale bombée. Dents incisives supérieures 4 par paire et d'égale grandeur; inférieures 6 petites et trilobées; molaires 5 en haut dont une fausse, et 6 en bas dont deux fausses.

Pelage de moyenne longueur, touffu, cottoneux et mat; face très poilue; base de l'interfémorale poilue seulement en dessus; membranes des flancs poilues à claire-voie en dessous seulement; pieds totalement libres; les membranes très amples, ne

prennent attache qu'au dessus de l'articulation des métatarses. Couleurs des parties supérieures, de la tête, et des touffes mystacales d'un noir mat; celles des parties inférieures d'un noir enfumé, également mat; ruban de poils à claire voie, disposé le long des flancs, d'un noir grisâtre terne. Membranes d'un noir clair.

Longueur totale 3 pouces 9 lignes, dont la queue prend 1 pouce

p. 269

6 lignes; tendon fémoral du calcaneun 8 lignes; envergure 10 pouces; antibrachium 1 pouce 8 lignes.

Cette nouvelle espèce, remarquable par ses membranes développées, son large museau obtus, ses larges oreilles et son pelage laineux, a été rapportée de l'intérieur de la Caffrérie par Mr. Verreaux de Paris. Le sujet sur lequel cette description est prise, fait partie du musée des Pays-Bas.

On peut classer cette nouvelle espèce d'Afrique après le *vespertilion leucomèle* de cette monographie pag. 204.

Vespertilio Dinganii A. Smith, 1833

p. 59

Vespertilio Dinganii, Smith. (Dingan's Bat.) Fur long and silky; above, the surface colour is dull olive-green, beneath a pale greenish yelllow; head short and broad; nostrils prominent; ears blackish brown, and slightly pointed; tragus long, falciform, and tapering towards the tip, which is rounded; auricular appendage semicircular, very distinct, and in a measure separated from the anterior and outer margin of the auricle, inside of the latter with a thin sprinkling of short olive-green hair; wing membranes black; interfemoral membrane pointed, with part of the last joint of the tail protruding beyond it; claws pale greenish yellow; lower incisors placed obliquely across the jaw. Length from nose to base of tail three inches and a half; length of tail two inches; expanse of wings about twelve inches. - Above the hairs are yellowish green, towards their bases below they are of one colour throughout.

Inhabits South Africa, - between Natal and Delagoa Bay.

Vespertilio goudoti A. Smith, 1834

p. 244

Vespertilio Goudotii, Smith. (Goudot's Bat.) Hair of moderate length, longer on the face, head, and upper parts of

p. 245

body, than on the lower parts. Head rather small; point of nose bare and black; nostrils round, and opening laterally; upper lip on each side behind nostrils thickly covered with long hair; ears as long as the head, slightly rounded at points, and each with a large deep notch on its outer edge; on the outer surface towards base covered with chesnut hair, on the inner surface toward inner edges with a thin sprinkling of short tawny hair ; tragus long and tapering to a point. The surface colour of the upper parts of head and body light maronne or dull chesnut; of the under parts dull tawny or pale brown; the bases of the hairs above dusky, of those beneath dull black; membranes brown with a purplish tint; tail of the same length as the interfemoral membrane. Length from nose to base of interfemoral membrane two inches and a half; length of interfemoral membrane one inch and three quarters; expanse of wings nine inches.

Inhabits Madagascar.

Vespertilio hesperida Temminck, 1840

p. 211

VESPERTILIO HESPERIDA.
VESPERTILION HESPÉRIDE

Taille d'un tiers moins forte que la *pipistrelle* d'Europe; système cutané peu développé en raison du volume du corps; museau court, obtus; oreilles courtes, aussi larges que hautes, à tragus en feuille courbée et à pointe arrondie; membrane interfémorale veinée en losange, un peu poilue à sa base; les quatre membres nus. Dents incisives 4 par paire en haut et 6 en bas, petites et bien rangées: les molaires n'ont pas été observées.

Pelage court, lisse et bien fourni, de deux couleurs partout, en dessus noirâtre à la base et brun roussâtre à la pointe; en dessous noir à la base et cendré roussâtre à la pointe; la pointe du museau très poilue et noire; les membranes brunes veinées de brun plus clair.

Longueur totale du mâle adulte 2 pouces 8 lignes dont la queue prend seulement 1 pouce; antibrachium 1 pouce. La femelle a des dimensions moins fortes.

Synonymie. Pas indiquée dans l'atlas du voyage de Mr. Rüppell en Egypte.

Habite. Les bords de la Mer rouge vers les côtés d'Abyssinie; des sujets font partie du Musée de Francfort et des Pays-Bas.

Vespertilio hispidus Schreber, 1774

p. 169

Tab. LVI.

Campagnol volant. DAUB., *mém. 1795, p. 388*.
Autre chauvefouris. BUFF. *hift. nat. 10. p.88. tab.20. f. 1.2*.
Bearded bat. PENN. *fyn. p. 367. n. 282*.

Die Schnauze ist lang, unter der Stirne stark eingedrückt. Die Nase ist von einer besondern Struktur. Die Nasenlöcher, sagt Herr Daubenton, sind nicht, wie an andern Thieren, durch eine bis vor gehende Scheidewand von einander abgesondert; sondern jedes Nasenloch befindet sich an der Spitze einer kleinen Rinne, welche von einem Ende zum andern oben offen ist. Der innere Rand der Rinne ist sehr klein, der äussere stärker, und dehnt an seinem hintern Ende in eine Wust aus. Die äussern Ränder der beiden Rinnen vereinigen sich über der Oberlippe, und formiren durch diese Vereinigung den Anfang einer starken Furche, welche sich von da bis and die Stirne erstreckt, wo sich eine breite und kahle Vertiefung bedinget, deren Rand mit langem Haar besetzt ist. Die Ohren sind land und schmal. Das Haar auf dem Rücken von dem Scheitel an ist rothbraun; das übrige weißlich mit einem gelbbräunlichen,

p. 170

an andern auch mit einem aschgrauen Schatren schwach überlansen. Die Ohren und die Flughaut rötlich und schwartzlich braun. Der Schwanz liegt ganz in der Flughaut, und ist fast so lang as der Leib, desser Länge anderhalb Zoll beträgt.

Das Vaterland dieser Fledermaus is Senegal. Herr Adanson hat sie entdeckt.

Vespertilio Hottentota A. Smith, 1833

p. 59

Vespertilio Hottentota, Smith. (Hottentot Bat.) Above a dull indistinct dark brown, sometimes nearly black; beneath the surface colour is a sort of pale tawny brown or tawny white, lighter towards the pubis; he middle and basilar portions of the hair brownish black. Ears about half the length of the head, black and acutely rounded at their tips, the inner surface bare, the outer hairy towards the base; tragus linear tapering, and with a rounded point; muzzle covered with dense fur till near its point; wing membranes brownish black; interfemoral membrane with a sprinkling of fine short brownish fur for half its length above; claws pale flesh-coloured. Length from nose to base of tail two inches and a half, of tail two inches; expanse of wings twelve inches.

Inhabits South Africa, - Uitenhage and Albany.

Vespertilio isabellinus Temminck, 1835-1841

p. 205

VESPERTILIO ISABELLINUS.
VESPERTILION ISABELLE.

Planche 52 fig. 1 et 2.

Taille du *vespertilion discolore* d'Europe, mais les formes semblables a celles du *V. murin*. Museau obtus; oreilles larges ovoïdes, munies vers leur bord antérieur d'un repli longitudinal et saillant, qui forme comme la duplicature du derme; un lobe distinct termine le bord postérieur et s'étend vers la commissure des lèvres. Tragus court en feuille; bout de la queue libre. Toutes les membranes nues, fortement veinées; le tendon du calcaneum portant un lobe externe. Dents incisives 4 par paire en haut, l'interne longue et forte, bilobée dans le jeune, pointue chez l'adulte; l'interne vers la canine très petite; 6 incisives en bas, trilobées dans le jeune âge, tranchantes chez l'adulte; molaires 4 en haut sans fausse; 5 en bas dont une petite fausse molaire pointue.

Pelage de moyenne longueur, fin, soyeux, peu fourni. Les parties supérieures dans l'adulte, d'une belle teinte isabelle; la pointe du museau et les lèvres noires; toutes les parties inférieures d'une teinte isabelle très claire; la base externe des oreilles couverte de poils. Les membranes d'un brun noirâtre et abondamment veinées de lignes jaunâtres. Une grande portion du bout de la queue libre.

Les jeunes ont le pelage court, peu fourni, d'un isabelle cendré, en dessous d'un blanchâtre légèrement teint de couleur isabelle.

L'adulte porte en longueur totale 4 pouces 2 ou 3 lignes, dont la queue prend 1 pouce 7 lignes; envergure 11 pouces 7 ou 8 li-

p. 206

gnes; antibrachium 1 pouce 8 lignes. - Le jeune de l'année porte 3 pouces 6 ou 7 lignes en longueur totale, 9 pouces 6 lignes d'envergure, antibrachium 1 pouce 6 lignes. - Le jeune moins avancé, n'a que 3 pouces en longueur sur 7 pouces d'envergure.

Cette espèce que je crois nouvelle, a été envoyée au musée des Pays-Bas, en un grand nombre d'exemplaires, par les soins de Mr. le consul Clifford van Breugel.

Habite l'Afrique septentrionale, vit en grand nombre dans les environs de Tripoli.

Vespertilio leucomelas Cretzschmar, 1826

p. 73

Zweifarbige Fledermaus.

Diagnes. Vespertilio corporis colore supra nigro; infra ex nigro et albo variegato. Rhinarium prominens incisura ad frontem porrecta utrinque labro sejunctum. Auriculae medio frontis contiguae.

Ausmessungen.
Fuß. Zoll. Lin.
Länge von dem Scheitel bis zu dem Schwanz: - 1 9
Länge de Schwanzes: - 1 3
Höhe der Ohren: - - 7
Länge des Kopfes: - - 6

Beschreibung.

Oberkörper, Kopf, Gesicht, Nase, Ohren, Hals und der obere Theil der Brust schwarz. Auf der Brust haben die Haare weiße Spitzen und werden am Unterleib ganz weiß, so daß an diesen Theilen eine aus Schwarz und Weiß vermischte Färbung entsteht. Die Nase erhebt sich wulstig über die Oberlippe, ist auf dem Rücken breit, und schmal an dem Lefzenrand; so daß sie wie ein mit der Spitze nach unten gekehrtes Dreieck aussieht. Dieses entsteht durch zwei Einschnitte, welche den Nasenkörper gleichsam von der Oberlippe auf beiden Seiten trennen und nach der Stirne hin verlaufen. Die Nasenlöcher oben, auf dem breiten Theile der Nase. Hinter der Nase eine Vertiefung. Die Ohren sind am Rande dieser Vertiefung zusammengewachsen und zur Seite dieser Vertiefung liegen die Talgdrüsen. Der Ohrdeckel breit an der Wurzel, an der Spitze schmal auslaufend. Die Flug- und Intercrural-Membranen braun. Die Flughaut an ihrer Verbindung mit dem Körper mit feinen weißen Härchen besetzt.

Der ganzen Gestalt nach würde dieser Cheiropter mit unserem *Vespert. auritus* namentlich in der Ohren- und Nasenbildung übereinstimmen, und mit diesem eine Abtheilung der Gattung Vespertilio bilden. Die Zahnbildung ist aber verschieden, und verdient hier angeführt zu werden. Von den vier oberen Schneidezähnen sind die zwei mittleren oder inneren am längsten und an der Spitze zweizackig. Backenzähne haben wir oben nur vier bemerken können, selbst der erste steht ganz nahe an dem Eckzahn, weswegen wir Anstand nehmen den fünften als ausgefallen zu betrachten. Ist diese Zahnbildung constant, so würde sich dieser Cheiropter besser an die Gattung *Noctilio* anreihen.

Vaterland. Das petraeische Arabien

Aufenthalt. Alte verödete Wohnungen

Vespertilio marginatus Cretzschmar, 1830

p. 74

Saumrandige Fledermaus.

Diagnos. Vespertilio corporis colore supra rubiginoso, infra ex rubido cinereo. Patagium diilale ET intercrurale limbo flavescenti marginatum.

Ausmessungen.
Fuß. Zoll. Lin.
Länge von dem Scheitel his zu dern Schwanze: - 1 4
Länge des Schwanzes: - 1 1
Flügelweite: - 6 10
Länge des Kopfes: - - 6
Länge des Daumens: - - 2

Buschreibung.

Die saumrandige Fledermaus ist die kleinste von den Fledermäusen, welche Rüppell in dem nordöstlichen Afrika aufgefunden hat. - Die Stirne, der Scheitel, Nacken, Seiten des Halses und ganzer Oberkörper sind rothbraun von Farbe und alle diese Theile mit einem wolligen dichten Haar besetzt. Der ganze Unterkörper ist mit einem mehr länglichen glatten Haare bedeckt,

welches von der Wurzel an schwärzlich grau ist und mit graubrauner Spitze endiget, wodurch dieser Theil eine etwas gemischte graubraune Farbe erhält. Die Nase ist in der Mitte gefurcht und die Nasenlöcher seitlich, beinahe trichterförmig hervorgetrieben. Die Augen klein, und über denselben so wie auf den Lippen einzelne schwarze Borstenhaare. Die Flug- und Intercrural-Membranen schwarzbraun und an dem unteren Rande mit einem gelblichen wulstigen Saum eingefaßt. Der Sporn-Knorpel stark, mit seiner Spitze nach außen gerichtet, welches der Intercrural-Membran eine winkelige Gestalt gibt; an seinem äußeren Rande mit einer blätterigen, fast knorpeligen Membran versehen, welche in der Nähe des Fußes breiter ist und schmal endiget. Der Daumen mit einem sehr kurzen stark gekrümmten Nagel versehen.

Vaterland. Nubien und das petraeische Arabien.

Aufenthalt. Wurde überall einzeln und selten gefunden, aber immer in der Nähe von Wäldern oder Gebüsch, welche sie zu bewohnen scheint.

Vespertilio megalurus Temminck, 1835-1841

p. 206

VESPERTILIO MEGALURUS
VESPERTILION MÉGALURE

Le corps grêle, avec une tête déprimée, le museau pointu et les narines rapprochées, mais les membranes du vol et celles de la queue très développées. Oreilles médiocres, distantes et pointues vers le bout; tragus très long, en forme de feuille de saule. Queue très ample par l'extension de sa membrane soutenue par des cartilages métatarsiens ou calcanés très longs, et par une queue très longue à grand bout libre. Chanfrein et botte déprimés. Dents incisives 4 par paire; celles internes longues et convergentes, les externes près de la canine à peine visibles; molaires 4 en haut sans dent anomale, en bas 5 molaires dont une três petite anomale.

Pelage long, lisse, soyeux, bicolore partout: en dessus noirâtre à la base et d'un brun olivâtre jusqu'à la pointe: en dessous brun à la base; les poils du devant du cou et du ventre d'un brun cendré jusqu'à la pointe, ceux des flancs d'une teinte isabelle, et la région pubinale toute blanche depuis la base des poils jusqu'à leur pointe. Flancs en dessous poilus; seulement un ruban poilu le long des flancs etautonr du coccyx aux parties supérieures.

Longueur totale 4 pouces 3 lignes dont la queue prend à peu-près 2 pouces; envergure de 11 pouces à 11 pouces 6 lignes; antibrachium 1 pouce 10 lignes; dimensions de l'adulte; celles des jeunes ne sont pas connues.

p. 207

C'est probablement à cette espèce caractérisée par la large membrane intefémorale qu'il faudra rapporter•le *Vespertilio capensis* très succintement indiqué par Smith. Zool. Jour. part. 16; pag.435. Le sujet dont il est question a été comparé au *Vespertilio Temminckii* de Horsfield; ce dernier est un *Nycticée*. Je présume que le sujet de Mr. Smith est la même espèce que notre *mégalure*, mais dans un développement moins parfait et plus jeune que les nôtres.

Quelques sujets ont fait partie d'un envoi d'objets rassemblés, très récemment, dans l'intérieur de l'Afrique méridionale. On ne sait rien du genre de vie, ni sur les lieux qu'elle habite de préférence: elle fait partie du Musée des Pays-Bas.

Vespertilio minuta Temminck, 1840

p. 209

VESPERTILIO MINUTA.
VESPERTILION MINUTA.

Je n'ai eu connaissance de cette très petite espèce africaine, que longtems après la publication de la dissertation zoologique sur les mammifères du Cap de Bonne Espérance, publiée par Mr. Smuts, ce qui est la cause que je n'ai pu faire placer l'indication dans l'opuscule mentionnée.

Elle est plus petite que notre *pipistrelle* d'Europe, dont elle a les formes totales. Les oreilles sont ovoïdes, aussi larges que hautes; le tragus en feuille, à pointe arrondie et moitié longueur de l'oreille. Le museau est nu, garni de quelques poils clair-semés. Le pelage est court, bicolore partout; en dessus noir à la base et la pointe des poils d'un brun foncé couleur de terre d'ombre; en dessous à base noire avec la pointe d'un brun-clair. Les membranes sont noires.

Dents 4 par paire en haut; l'incisive accolée aux canines, extrêmement petite, l'autre longue bifurquée; 6 en bas, entassées; molaires

p. 210

4 en haut et 5 en bas; les premières sans fausse molaire et les inférieures avec une fausse, très petite et pointue.

Longueur totale 2 pouces 6 ou 7 lignes; envergure 7 pouces; antibrachium 1 pouce 1 ligne.

Elle vit comme notre pipistrelle et habite les lieux boisés près des eaux dans plusieurs parties de la pointe méridionale de l'Afrique.

Le Musée des Pays-Bas a reçu quelques individus par les soins de Mr. Horstok, médecin au Cap de Bonne Espérance.

Vespertilio minutus somalicus Thomas, 1901

p. 32

Closely allied to the typical *V. minutus*, Temm., but distinguished by smaller size, at least of head, and much paler coloration.

General characters as in *V. minutus*, the description of that animal in Dobson's Catalogue agreeing in all details except those referring to colour, though it may be also noticed that the inner margin of the ear, instead of being "slightly convex to the tip," is flat or even faintly concave for its middle third.

General colour of fur above dull buffy, the hairs blackish slate for two thirds of their length, with their tips buffy; beneath the bases are equally dark, the tips being dull whitish. Hairs of back rather more than 8 millim. long. Wing-membranes smoky brown, interfemoral membrane paler brown, both prominently edged with whitish, recalling the white edging of *Pipistrellus Kuhlii* on the same parts.

Skull very small and delicate, smaller than South-African

p. 33

specimens; although the forearm measurement does not appear to be less. The head is therefore apparently rather smaller in proportion.

Dimensions of the type (measured in flesh): -

Forearm 31 millim.

Head and body 44; tail 85; ear 10.

Skull: greatest length 12.5; basipalatal length 9.6; zygomatic breadth 8; interorbital breadth 3.1; breadth of braincase 6.7.

Dimensions of a spirit-specimen (F): -

Forearm 30.

Head and body 42; tail 35; ear 11; tragus on inner edge 3.3; lower leg 13.

Hab. Somaliland. Type from Hargaisa, 3500 feet; other specimens from Berbera.

Type. B.M. no. 98.6.9.1. Collected 14th November, 1897, and presented by R. McD. Hawker, Esq. Other specimens presented by E. Lort Phillips, Esq.

This subspecies may be readily distinguished from the typical form by its far paler colour and prominently white-edged wing-membranes.

Vespertilio nanus Peters, 1852

p. 63

Tafel XVI. Fig. 2.

V. magnitudine pipistrelli; colore supra umbrinofusco, subtus pallidiore; pilis in basi piceis; alis nigris; auriculis retro excisis; lobulo semicirculari, trago securiformi; rostro tumido, prominente; dentibus primoribus inferioribus secundum mendibulae directionem positis.

Longitudo tota 0,080; caudae 0,040; antibrachii 0,030; volatus 0,220.

Habitatio: Africa orientalis, Inhambane, 24° Lat. Aust.

Von der Gröfse des *Vespertilio pipistrellus*, Daubenton. Der hintere Rand des Ohres ist ausgeschnitten und endet in der Höhe der Mundspalte, $2^1/_2$ Mm. hinter dem Mundwinkel; das Ohr ist weniger breit als die Höhe des vorderen Randes; die Entfernung der vorderen Ohrränder von einander ist gröfser als die Entfernung derselben von der Schnauzenspitze; in der hintern Hälfte des Ohrs befinden sich fünf fächerförmig auseinander strahlende Querfalten; der Tragus ist am Ende breit, beilförmig, mit seiner Spitze nach innen gerichtet; der Antitragus halbkreisförmig, vorn eben so hoch wie hinten. Die Schnauze ist breit, stumpf und in der Mitte niedergedrückt; die Lippen sind wulstig, die Oberlippe an jeder Seite inwendig mit einem warzigen Vorsprunge versehen. Die Gaumenfalten haben dieselbe Zahl und Lage wie bei *V. pipistrellus*; es sind sieben, von denen die beiden ersten ungetheilt sind. Der fünfte Finger ragt über die erste Phalanx des dritten Fingers hervor, und die erste Phalanx des fünften

Fingers reicht bis zum letzten Drittheil der ersten Phalanx des vierten Fingers. Die Flughäute sind bis zur Zehenwurzel angewachsen und längs dem Unterarm unbehaart. Die Schenkelflughaut ist dagegen auf den Querfalten der Bauchseite mit Haaren bewimpert.

Die Farbe des Kopfes und der Rückenseite ist umbrabraun, an der Bauchseite blasser. Sämmtliche Haare sind an den unteren zwei Drittheilen pechschwarz. Flughäute und Ohren sind schwarz, die Nägel schmutzig weifs.

Gebifs $^{3\,2}/_{3\,2}{}^{1}/_{1}{}^{2\,2}/_{6}{}^{1}/_{1}{}^{2\,3}/_{2\,3}$. Die beiden oberen Vorderzähne stehen entfernt vom Eckzahn, sind gleich lang, und an der Basis von gleicher Dicke; der innere ist am Ende in zwei parallele, nicht divergirende, Spitzen getheilt; der äufsere zeigt hinten und oben einen spitzen Absatz. Die unteren Vorderzähne sind dreilappig und nach der Richtung des Kieferrandes befestigt. Der erste kleine obere Lückenzahn ist ganz nach innen gedrängt. Die Wirbelsäule besteht aus 7 Halswirbeln, 12 Rückenwirbeln, 5 Lendenwirbeln, 4 Kreuzheinwirbeln und 9 Schwanzwirbeln. In dem Bau der Eingeweide zeigt sich die gröfste Uehereinsummung mit *V. pipistrellus*.

Ich erhielt diese Art in grofser Anzahl aus unbenutzten Schornsteinen in Inhambane, im 24° S. Br.

p. 64

Mafse in Millimetern.
Fem.; Mas.
Ganze Länge von der Schnauze bis zur Schwanzspitze: 80; 80
Flugweite: 210; 220
Länge des Kopfes: 14; 14
Länge des ganzen Ohres: $11^{1}/_{2}$; 12
Breite desselben: 7; 7
Länge des vordern Ohrrandes: 9; $9^{1}/_{2}$
Entfernung der vorderen Ohrränder von einander: 7; 7
Entfernung der Schnauzenspitze vom vordem Ohrrande: 6; 6
Länge des Tragus am vordern Rande: $3^{1}/_{2}$; $3^{1}/_{2}$
Gröfste Breite des Tragus: 2; 2
Länge des Oberarms: 19; 20
Länge des Vorderarms: 30; $31^{1}/_{2}$
Länge des Daumens (Mittelh. 2, 2. 1.Gl. $2^{1}/_{4}$, $2^{1}/_{4}$. 2.Gl. $1^{1}/_{4}$, $1^{1}/_{4}$): $5^{1}/_{2}$; $5^{1}/_{2}$
Länge d. 2ten Fingers (Mittelh. 27, 28. 1.Gl. 2, 2): 29 30
Länge d. 3ten Fingers (Mittelh. 28, 29. 1.Gl. 11, $11^{1}/_{2}$. 2.Gl. $9^{1}/_{2}$, $9^{1}/_{2}$. 3.Gl. 6, 7): $54^{1}/_{2}$; 57
Länge d. 4ten Fingers (Mittelh. $27^{3}/_{4}$, $28^{3}/_{4}$. 1.Gl. $9^{1}/_{2}$, 10. 2.Gl. $6^{1}/_{2}$, 7. 3.Gl. $1^{1}/_{2}$, 2): $45^{1}/_{4}$; $49^{3}/_{4}$
Länge d. 5ten Fingers (Mittelh. 27, $28^{1}/_{2}$. 1.Gl. $7.^{1}/_{2}$, 8. 2.Gl. 6, $6^{1}/_{2}$. 3.Gl. $2^{1}/_{4}$, 3): $43^{3}/_{4}$; $45^{1}/_{2}$Länge des Oberschenkels: $12^{1}/_{2}$; 13
Länge des Unterschenkels: $12^{1}/_{2}$; 12
Länge des Fulses mit den Krallen: 7; 7
Länge des Schwanzes: 39; 40
Länge des Sporns: 14; 16
Länge des Schädels: 12; 12

Vespertilio minutus, Temminck, unterscheidet sich von dieser Art durch die Ohren, welche ebenso breit wie hoch sind, durch den schmalen, um hintern Rande convexen Tragus, durch die Kleinheit der nahe an die Eckzähne angedrängten obern äufsern Vorderzähne und durch die Kürze des fünften Fingers, welcher nur bis zur Mitte der ersten Phalanx des vierten Fingers reicht. *Vespertilio Temminckii*, Rüppell, ist schon wegen der Farbe der Bauchseite, deren Haare bis zur Basis weifs sind, nicht mit ihr zu verwechseln. *Vespertilio marginatus*, Rüppell, läfst ebenso wenig eine Verwechselung mit derselben zu, da sowohl die Form der Ohren als die Färbung eine ganz andere ist. Bei *Vespertilio platycephalus*, Temminck, beträgt die Länge des Schwanzes nur ein Drittheil der Totallänge, und der hintere Ohrrand bildet an seinem Ende hinter dem Mundwinkel einen breiten häutigen Anhang. *Vesperugo subtilis*, Sundevall, mit oblongen, ganzrandigen Ohren, kurzem, halbovalem Tragus und schmaler Schnauze ist ehenfalls eine durch ihre Gröfse verwandte Art.

Vespertilio Natalensis A. Smith, 1833

p. 59

Vespertilio Natalensis, Smith. (Natal Bat.) Fur soft and of moderate length, the surface colour above deep clear brown; beneath light brown, inclining to tawny brown; the baselar

p. 60

half of all the hairs clear black. Ears naked, broad towards base, and slightly emarginate on the outer side, the tips rounded; tragus narrow, straight, and rounded at the point; muzzle and upper lip black, with a thin sprinkling of short black hair, nostrils opening directly in front; no appearance of a cleft in the fore part of the upper lip; wing and interfemoral membranes black. Length from nose to base of tail two inches, of tail an inch and a quarter; expanse of wings eight inches and a half.

Inhabits South Africa, - towards Natal.

Vespertilio Nigrita Schreber, 1774

p. 171

Die spizöhrige Fledermaus. *Vespertilio Nigrita*

Tab. LVIII.

Marmotte volante. DAUBENTON *mém. 1759. p. 385.*
Chauve-souris étrangère. BUFF. *hist. nat. 10. p.82. tab. 18.*
Senegal bat. PENN. *syn. p. 3669. n. 281.*

Die Schnauze ist von mittelmässiger Länge, vorn dick, die Ohren dick und spizig, die Ohrendeckel schmal, fast halb so land als die Ohren, und zugespizt. Der Schwanz um ein Viertel kürzer als der Leib, mit der Schwanzhaut umgeben, bis auf die zwei lezten Wirbelbeine, welche über den Rand derselben hinausragen. Das Haar hat auf dem Kopfe, Halse und Rücken eine gelblich braune mit etwas aschgrau melirte, auf der Brust und dem Bauchseite ganz bleich gelblich braune ins graue spielende Farbe. Die Schwanzhaut ist schwärzlich. Die Länge vier Zoll.

Sie ist in Senegal von Herrn Adason entdeckt worden.

p. 171
Die spizöhrige Fledermaus. Vespertilio Nigrita
Tab. LVIII.
Marmotte volante. DAUBENTON mém. 1759. p. 385.
Chauve-souris étrangère. BUFF. hist. nat. 10. p.82. tab. 18.
Senegal bat. PENN. syn. p. 3669. n. 281.

The snout is of average length, in front thick, the ears are thick and pointed, the tragus is narrow, almost half as long as the ears, and pointed. The tail is about a quarter shorter as the body, enclosed in the tailmembrane, to the two last vertebras, which project beyond the edge. The hairs on the head, throat and back are yellowish brown mixed with ashgrey; on the breast and belly entirely pale yellowish brown to grey colour. The tail membrane is blackish. The length is four inches.

This is in Senegal discovered by Mr. Adanson.

Vespertilio Pipistrellus varietas africana Rüppell, 1842

p. 156

footnote: Ganz gleiche Grösse und Verhältnisse wie bei den europäischen *V. Pipistrellus*, nur der Bauch etwas mehr gelbbraun gefärbt.

Vespertilio platyops Thomas, 1901

p. 31

A large pale-coloured species, with the bicuspid incisors of *V. serotinus*, but with a broad blunt tragus.

Size rather less than in the Serotine. Head very flat. Ears of medium length, their inner margin strongly convex in its basal third, evenly slightly convex above to the rounded tip; outer margin slightly concave above, then convex to the notch, and ending in a low rounded lobe. Tragus broad, expanded above its broadest point at about the middle of its inner margin; inner margin straight, joining above at a rounded angle the strongly convex outer margin; a small triangular external basal lobule present.

Wings from the base of the toes. A small postcalcareal lobule. Tail projecting from the membrane by the last vertebra.

Colour above (in spirit) uniform dull fawn or sandy; below dull whitish. Membranes brown, the plagiopatagium and interfemoral inconspicuously edged with whitish behind.

Skull very broad and flat; crests meeting posteriorly, but

p. 32

not drawn out into a marked projecting angle, as in the Serotine.

Teeth very much as in the Serotine. Inner upper incisors bicuspid, outer minute. Lower incisors tricuspid, overlapping, their line more directly transverse and less angular than in the Serotine. Anterior lower molar slightly smaller in proportion to the second than in the allied species.

Dimensions of the type (in spirit): -

Forearm 46 millim.

Head and body 62; tail 39; hind foot (s. u.) 8.5; ear 16; tragus, length on inner edge 4, breadth 3; third finger, metacarpal 43, first phalanx 16, second phalanx 14; lower leg 20.5.

Skull: greatest length 19; basipalatal length 15; zygomatic breadth 14; breadth between orbits 8; constriction 4.3; palate, length 7.5; breadth across outer corners of *m.*[2] 8.5.

Hab. Lagos.

Type. Female in spirit. B.M. no. 88.5.17.3. Presented by the late Dr. G. E. Dobson.

The characters of this species are strongly confirmatory of the view that "*Eptesicus*" should not be separated from *Vespertilio*, for with the large size, heavy build, and more or less the crested skull of the former it has the broad tragus of the typical *Vespertilio*.

V. megalurus, the only other African species as large as *V. platyops*, has unicuspidate middle upper incisors.

Vespertilio smithii Wagner, 1855

p. 747 footnote

A. Smith's *V. minutus* (zool. of South Afric. I. Tab 51) = dessen *V. capensis* kann nicht zul Temminck'schen *V. minutus* gehöhren, da die von Smith angegebenen Maasse eher auf *V. megalurus* passen. Körper 2 ½", Schwanz 2", Vorderarm 1" 8"'. Ohren so breit als hoch, Klappe halb so lang als das Ohrn Schwanzende nicht vorragend. Backenzähne jeder seits $^{4}/_{6}$. Oberseite tief röthlichbraun, die Haare am Grunde leberbraun; Unterseite ebenso, an den Haarspitzen blass gelblichbraun. Flughäute zwischen bräunlichroth und leberbraun. Man könnte diese Art, die von *V. minutus* Temm. Entschlieben abweicht und doch auch nicht recht zu *V. megalurus* passen ???, als *V. Smithii* bezeichnen.

Vespertilio sylvicola A. Grandidier, 1870

p. 49

Vespertilio sylvicola

d'un roux marron; abdomen gris foncé. Queue entièrement enveloppée dans la membrane interfémorale.

Corps et queue, 72 mill.; queue seule, 34 mill.; envergure, 21 cent. Hab. forêts d'Ambaravaranvatou.

p. 49

Vespertilio sylvicola

Of a reddish-brown; abdomen grey. Tail entirely included in the interfemoral membrane.

Head and body, 72 mm; tail alone, 34 mm, wingspan, 21 cm. Hab. Ambaravaranvatou forest.

Vespertilio temminckii Cretzschmar, 1826

p. 17

Taf. 6
Vespertilio Temminckii (mas.),
(Mus. Francof.)

Temmincks Fledermaus.

Diagnos. Vespertilio, corpore supra ex cinereo fuscato, infra albo.

Ausmessungen.
-; Fuss; Zoll; Lin.
Länge des Körpers mit dem Kopfe; -; 1; 10
Länge des Kopfes; -; -; 6
Länge des Ohren; -; -; 3 1/2
Länge des Schwanzes; -; 1 ; 2
Breidte des ausgespannten Flügel; -; 7; -
Länge des Daumens; -; -; 2

Beschreibung

Der Kopf und Rücken dieser kleinen Fledermaus is dunkel mäusegrau mit bräunlichem Ueberzug, der ganze untere Körper glänzend schneeweiss. Der Kopf is stark behaart und ein Büschel von Haaren ragt über die eine Line lange und eine Linie breite Nasenkuppe (Rhinarium) hervor, welche ganz nackt und bräunlich ist. Die Nasenflügel sind stark, wulstig, und die

Nasenlöcher beinahe ganz zur Seite geöffnet. Die runden Ohren sind hinten ganze nakt, vorn mit feinen graunen Härchen bekleidet. Das Orhläppchen ist blattförmig, an der Spitze breiter und zugerundet. Die braunen Flügelhäute sind an der vordern und hinteren Fläche ganz nackt, die hintere Fläche der Schwanz - Flughaut etwas behaart.

Die männliche Thiere sind von den weiblichen eben so wenig im Äusseren verschieden als die jungen von den alten.

Vaterland. Nubien. Rüppel hat 7 Exemplare in der Umgegend von Dongola gesammelt.

Aufenthalt. Fliegt in der Abenddämmerung und wurde an Waldungen und buschigten Gegenden gefunden.

Die mit der Redaction dieses Werkes Beauftragten haben, durch die Benennung der hier berschriebenen Fledermaus, die Huchachtung zu erkennen geben wollen, welche sie für die grossen Verdienste hegen, die

p. 18

sich Herr Director Dr. Temminck um die Erweiterung und Berichtigung der Naturwissenschaften durch seine gehaltvollen Arbeiten erworben hat. Sie ergreifen zugleich diese Gelegenheit, um ihrem verehrten Freunde im Namen der Senkenbergischen naturforschenden Gesellschaft öffentlichen Dank abzustatten, für die derselben so oft erwiesene Theilnahme und Mitwirkung an ihrem Gedeihen.

Der von Horsfield beschriebene und mit Temminck's Namen bezeignete Cheiropter*) gehört zu der von Rafinesque aufgestellten Gattun *Nycticejus*. Dieses Geschlecht wird von Herrn Temminck in seinem Monographieen der Säugethiere nächstens bearbeitet un die *vespertili Temminckii* (Horsfield) als *Nycticejus* aufgeführt erscheinen, worauf wir einstweilen hinweisen wollten.

*) Die von Horsfield in seinen *Zoological researches of Java* angegebene Beschreibung desselben ist afgefasst wie folgt: *Vespertilio Temminckii*, capite cuneato supra lateribusque planis; auriculis capite brevoribus, oblongis, rotundatis, margine exteriore parum excisis, trago elongato falcato; vellere sericato, pilis brevissimis supra fuscis, subtus sordide flavis, lateribus capitis corporique nitore dilute rufescente.

Dentes primores $^{1-1}/_{6}$, laniarii $^{1-1}/_{1-1}$ molares $^{4-4}/_{5-5}$, Körperlänge 4" 6"', Kopflänge 1", Länge der augebreiteten Flügel 12'.

Vesperugo (Vesperus) grandidieri Dobson, 1876

p. 500

Head, ears, and tragus very similar to those of *Vesperugo abramus*, Temm. Ears short, rounded off above; outer margin of the ear-conch straight or faintly concave in upper two thirds, emarginate opposite the base of the tragus, terminating in a small rounded lobe midway between the base of the tragus and the angle of the mouth: crown of the head scarcely elevated above the face-line; nasal apertures separated widely, opening forwards, their margins not projecting.

Wing-membrane from the base of the toes; postcalcaneal lobe very shallow; half the last caudal vertebra free.

p. 501

Fur short on both surfaces, scarcely extending upon the membranes; reddish brown above, paler beneath.

Upper inner incisors bicuspidate, the shorter outer cusp nearly equalled in vertical extent by the unicuspidate outer incisor; lower incisors trifid, not crowded; the single upper premolar close to the canine.

The other species of this subgenus known from Southern Africa are *V. minutus*, Temm., and *V. capensis*, Smith. From both *V. grandidieri* is easily distinguished by the large size of the outer upper incisor.

Length: - head and body 1.75 inch; tail 1.4; ear 0.5; tragus 0.22 x 0.08; forearm 1.25; thumb 0.28; second finger - metacarp. 1.2, first phalanx 0.45, second phalanx 0.55; fourth finger - metacarp. 1.1, first phalanx 0.28, second phalanx 0.2 ; tibia 0.5; foot and claws 0.3.

The above measurements are taken from the only specimen of this species yet obtained, an adult female with *fœtus in utero*, preserved in alcohol in the Paris Museum, which, by the kindness of H. Alph. Milne-Edwards, I have been enabled to examine and describe. It was brought from Zanzibar by M. Grandidier (who has added so much to our knowledge of the fauna of South-eastern Africa and Madagascar), with whose name I have much pleasure in associating the species.

Vesperugo (Vesperus) Innesi Lataste, 1887

p. 625

Vesperugo (Vesperus) Innesi, n. sp.

Formule dentaire (un seul coté de chaque machoire étant considéré):

2 / 3 + 1 / 1 + 1 + 3 / 2 + 3

L'incisive inférieure externe a disparu par caducité sur le sujet dont j'ai préparé le crâne.

La pointe des incisives supérieures est trop usée, sur mes deux sujets, pour que je puisse dire si ces dents étaient fourchues ou non; pour tout le reste, le système dentaire de l'espèce nouvelle est très-semblable à celui de l'espèce *V. serotinus* Schreber. L'incisive supérieure externe, notamment, est, de même, très distante de la canine et accolée à l'incisive interne ([1]), les centres de figure des quatre incisives supérieures se trouvant

([1]) Les incisives supérieures de *Miniopterus Schreibersi* Natterer sont bien différentes de celles de *Vesperugo serotinus* Schreber, mais elles ne me paraîssent pas plus écartées que ces dernières soit de la canine, soit entr'elles sur la ligne mediane. C'est donc à tort que G. E. Dobson voit, dans cet écartement, un caractère propre au groupe des *Miniopteri*, dans la famille de *Vespertilionidae* (*loc. cit.*, p. 170, B).

p. 626

situés sur une même ligne droite; l'incisive externe, est en outre très-petite et presque entièrement cachée dans la gencive.

Les crânes des deux espèces ont aussi la même forme générale; mais celui de l'espèce nouvelle est beaucoup plus petit. Le crâne du sujet que j'ai preparé (M, donne au Musée Civique de Gènes) mesure 16^{mm},3 de longueur maximum, tandis que celui d'un *V. serotinus* subsp. *isabellinus* Temminck (F, n° 2408) mesure 19^{mm},3. Les bulles osseuses de l'espèce nouvelle sont aussi très-semblables à celles de *V. serotinus* et *isabellinus*; elles présentent le même développement considerable de l'os tympanique, mais elles sont relativement beaucoup plus grosses.

Dimensions (en millimetres) des deux sujets (conservés dans l'alcool):

	F, M
Corps (tête et tronc), jusqu'à l'origine de la queue:	58, ?
Queue:	40, 35
Tête:	20.3, ?
Oreille (depuis l'origine de son bord externe):	15, 15
Oreillon (depuis l'origine de son bord externe):	6.5, 6.5
Largeur maximum de l'oreillon:	2, 2
Avant bras:	42, 40
Pouce (ongles compris):	6, 6.5
Troisième doigt:	70, 65
Cinquième doigt:	50, 47
Jambe:	20, 19.5
Calcaneum:	18, 18
Pied (ongles compris):	9, 9

Description:

La tête de l'espèce nouvelle est très-semblable à celle de *V. serotinus*; son front est plus convexe; son museau est plus

p. 627

plat, par suite du développement plus considérable des bourrelets glanduleux latéraux; il est aussi un peu moins velu. Les oreilles sont plus courtes que la tête et construites sur le même

type que celles de *V. serotinus*; le lobe antéro-inférieur de leur bord interne est proportionellement plus développé en avant et plus arrondi; le lobe antéro-inférieur de leur bord externe est relativement plus saillant et il est isole de ce bord par une encoche moins élargie et plus profonde. L'oreillon est assez effilé, en pointe obtuse, et il présente, à la base de son bord externe, un tout petit lobule triangulaire; au-dessus de ce lobule, le bord externe est d'abord assez fortement convexe, puis légèrement concave, presque rectiligne; le bord interne est droit. Quand on rabat l'oreille sur les côtés du museau, elle couvre l'oeil et son sommet arrive à peu près au niveau du bout de la machoire inférieure.

Callosités du pouce et du tarse, comme chez *V. serotinus*. Insertion de l'aile, au même point que chez ce dernier. Lobe postcalcanéen, très étroit. Queue, à huit vertèbres, dont la dernière, sans compter le cartilage terminal, est libre, la longueur de cette partie libre sur mes deux sujets variant presque du simple au double. Les orteils, même sans les ongles, sont plus longs que la moitié du pied; le premier est sensiblement plus court que les autres, ce qui n'a pas lieu chez *V. serotinus*.

En dessus, le poil s'étend moins loin sur les ailes et, surtout, sur la membrane interfémorale que chez *V. serotinus*; sur. Cette

p. 628

dernière membrane, il dépasse à peine le corps, et, sur les premières, il ne s'avance qu'à sept ou huit millimètres de lui. Le lobe antéro-inférieur du bord externe de l'oreille est nu, tandis qu'il est velu chez *V. serotinus*.

Couleur, isabelle très-pâle en dessus, plus pâle, presque blanche, en dessous. Les membranes sont plus foncées. L'aile est bordée par un fin liseré blanc, comme celle de *V. Kuhli* Natterer ([1]).

Habitat:

L'espèce nouvelle habite les maisons de la ville du Caire, en Égypte. Je suis heureux de la dédier à M. Walter Innes, conservateur du Musée de l'Ecole de Médecine de cette ville; car c'est à lui que je dois les deux sujets, M et F, conserveé dans l'alcool, qui ont servi à cette description, ainsi que beaucoup d'autres Mammifères et Reptiles égyptiens que j'ai utilisés ou que j'utiliserai de mon mieux au profit de la science.

Le sujet dont le crâne a été prepare, le male, a été offert par moi au Musée civique de Génes; la femelle est conservée dans ma collection.

Affinités et caractères distinctifs.

Par son oreillon, relativement long, attenué au sommet, incliné en dehors, atteignant sa plus grande largeur au-dessous du milieu de son bord interne, à bord externe convexe, l'espèce nouvelle se rapproche du groupe de *Vesperus* sud-américains qui comprend les espèces *V. velatus* Is. Geoffroy, *V. macrotus* Poeppig, *V. montanus* Philippi et *V. magellanicus* Philippi; il se distingue, d'ailleurs, des trois premières, par ses oreilles absolument libres et nullement réunies par un pli cutané, et, des quatre, par ses oreilles plus courtes que la tête; les oreilles sont un peu, chez *V. magellanicus*, et beaucoup, chez les trois autres, plus longues que la tête.

([1]) Plis du palais:
Entre les incisives, une éminence, prolongée, à droite et à gauche, derrière chaque incisive, par une crête courte; entre les canines, un pli transversal, ses extremités repliées en arrière; un autre pli semblable entre les prémolaires. Cinq paires de plis, arqués et à concavité postérieure, entre les molaires, les derniers moins saillants et moins arqués.

p. 629

Parmi les autres espèces du sous-genre *Vesperus*, nous pouvons de suite éliminer les *V. tenuipinnis* Peters, *V. pumilus* Gray, *V. Grandidieri* Dobson, *V. propinquus* Peters, *V. borealis* Nilsson, *V. discolor* Natterer, *V. atratus* Blyth, *V. pachyotis* Dobson et *V. albigularis* Peters, dont l'oreillon a une forme bien différente, atteignant sa plus grande largeur plus ou moins haut et jamais au-dessous du milieu de la hauteur de son bord interne.

Restent les espèces *V. serotinus* Schreber avec sa sous-espèce *V. isabellinus* Temminck, *V. Andersoni* Dobson, *V. Hilairei* Is. Geoffroy, *V. platyrrhinus* Dobson, *V. minutus* Temminck, *V. capensis* Smith, *V. megalurus* Temminck et *V. nasutus* Dobson, qu'il est nécessaire de comparer une à une à l'espèce nouvelle.

Je ne possedè, pour cette comparaison, que les *V. serotinus* et *isabellinus*; je m'en rapporterai, pour les six autres espèces, aux descriptions qui en ont été données, notamment par Dobson (Catalogue Chiroptera, 1878).

L'espèce nouvelle est certainement voisine de *V. serotinus* et, surtout, de sa sous-espèce *isabellinus*; mais elle s'en distingue par sa plus petite taille, par son oreille moins largement arrondie au sommet et plus profondément échancrée vers le tiers supérieur de son bord externe, *par son oreillon plus long et plus atténué au sommet*, par l'angle postérieur plus aigü de sa membrane interfémorale, par sa couleur beaucoup plus pâle, par le fin liseré blanc qui borde sa membrane alaire, etc.

Les autres espèces du même groupe ci-dessus mentionnées me paraissent différer à leur tour de celle que je viens de décrire:

V. Andersoni, par sa taille beaucoup plus grande, par le petit développement du lobe situé à la base du bord interne de son oreille, et par la forme différente de son oreillon; le bord externe de celui-ci présente un petit lobe arrondi et non triangulaire, et, à partir de l'échancrure qui isole ce lobe, il demeure convexe jusqu'au sommet;

V. Hilairei, par ses oreilles plus longues, atteignant presque le bout du museau, et échancrées, dans le tiers supérieur de

p. 630

leur bord externe, plus profondément même que les oreilles de *V. serotinus*; en outre, par son habitat sud-americain;

V. platyrrhinus ([1]), par la forme de son oreille, nullement échancrée vers le haut de son bord externe et coupée anguleusement à la base de son bord interne, par la forme de son oreillon, plus élargi au dessus de sa base et plus courtement aigü au sommet, par le développement plus considérable et la forme différente des bourrelets glanduleux du museau;

V. minutus, par sa taille considérablement plus petite;

V. capensis, par l'insertion de la membrane alaire à la base de l'ongle du cinquième orteil et non à la base du cinquième orteil;

V. megalurus, par sa taille plus grande, égale à celle de *V. serotinus*, par son oreillon plus court même que celui de *V. serotinus*, par son incisive supérieure externe, dont la base est large et située exactement entre l'incisive interne et la canine, au lieu d'être étroite et située sur le même niveau transversal que l'incisive interne;

V. nasutus, enfin, par la forme de son museau, conique et projeté en avant comme dans le genre *Nyctinomus*, par l'absence de lobe arrondi à la base du bord interne de l'oreille, etc.

Paris, 8 mai 1887.

([1]) Voir Dobson, *loc. Cit.*, pl. XII, fig. 1.

Vesperugo (Vesperus) Moloneyi Thomas, 1891

p. 528

Vesperugo (Vesperus) Moloneyi sp. n.

Vesperus with the tragus extraordinarily short, with the outer upper incisors nearly as long as the inner, and with the anterior lower premolar minute.

Size of body medium, but the extremities so short that the forearm-length makes the species appear to be among the smallest of the genus. Head very broad and flat, much as in *Nycticejus** or in *V. pachypus*: facial glands swollen, but not raised vertically above the level of the centre of the muzzle. Ears very short, their edges evenly continuous, not emarginate externally either above or opposite the base of the tragus; the small keel usually present just behind the base of their inner margin nearly or quite obsolete. Tragus (see figure) extraordinarily small, quite unlike that of any other member of the group, *its height, measured along its inner edge, less than half its breadth*, its upper and its outer margins rounded; its outer base without any projection. Anterior extremities much reduced throughout, especially distally; the forearm but little more than half of the combined lengths of the head and body, the thumb very short, the two phalanges of the middle finger together only about half the length of the short forearm, and those of the fifth finger less than a fifth of it; finally the usual distal cartilaginous extension of the third finger is nearly obsolete. Hind legs unusually thick and muscular. Calcar feeble, post-calcareal lobule absent. Extreme tip of tail only free from membrane.

Fur short, uniformly very dark brown or black above and beneath.

Upper inner incisors long, their tips bicuspid ; outer ones

* When showing (Ann. Mus. Genov. (2) ix. p. 88, 1890) that the American *Nycticejus humeralis* could not be separated generically from the Old-World *Scotophilus*, I did not notice that the name *Nycticejus* (1819) was anterior in date to *Scotophilus* (1822). Mr. Blanford has since pointed this out to me; and it is evident that the former name must be used for all the species hitherto called *Scotophilus*.

p. 529

cylindrical, unicuspid, not reaching quite to the level of the outer cusps of the inner incisors. Upper premolars very close to and but little shorter than the canines. Lower incisors tricuspid, overlapping. Anterior lower premolar very small, scarcely exceeding in height the cingulum of the large posterior one.

Dimensions of the type, a male preserved in spirit: -

Head and body 50 millim.; head, length 16, breadth across muzzle 11; ear, length from base of inner edge 9, length from base of outer 11.5; tragus, length of inner margin 1.0, length of outer margin 3.8, breadth above 1.9, height of base 3.2. Forearm 29 (= 1.15 inch); thumb, including claw, 5.5; third finger, metacarpal 29, first phalanx 8.5, second phalanx 7.8; lower leg 11; hind foot, including claws, 8.2; tail 30.

Hab. Lagos, West Africa. One specimen, collected and presented by Sir Alfred Moloney.

This most remarkable species is distinguished by its proportionally large body and head and the reduction in length of all its extremities, including in this term the ears, tragus, wings, legs, and tail. This reduction, combined with the markedly more muscular condition of the legs, no doubt indicates a less exclusively aerial manner of life; and we may be prepared to find when its habits are known that it seeks for its prey creeping about either the trunks and branches of trees or the rocks of cliffs and caves, rather than flying about in the open.

Vesperugo (Vesperus) Rendalli Thomas, 1889

p. 362

Crown of the head flat, scarcely raised above the level of the muzzle; muzzle broad, the glandular prominences much swollen. Ears short; laid forward they reach barely more

p. 363

than one half the distance between the eye and the tip of the nose; their inner margin straight, tip narrowly rounded off, upper third of outer margin straight, middle third slightly convex, basal third with a marked lobe separated by a notch opposite the base of the tragus.

Tragus of about the same breadth from base to tip, its inner margin evenly but slightly concave, its tip rounded, its outer margin evenly convex, its base with a triangular lobule; when laid forward its tip reaches to between the posterior canthus and the middle of the eye.

Pads at the bases of the thumbs scarcely more marked than usual, but the soles of the feet broad, swollen, and wrinkled, projecting posteriorly behind the level of the origin of the calcaneum. Wings from the metacarpus close to the base of the toes. Calcaneum reaching about halfway from the heel to the end of the tail, its tip forming a small projecting point like that found in *V. Daubentoni*; postca1caneal lobule distinct, but rather narrow. Tail involved in the interfemoral membrane to its extreme tip. Penis with a distinct bone.

Fur scarcely extending on the membranes except on the interfemoral in the centre below.

Colour of body, above and below, of the skin or the forearm, digits; and legs greyish brown, of the membranes everywhere white, the reticulations well marked.

Teeth. - Upper incisors (figs. b-d), or at least the outer

p. 364

pair, quite different from those of any other member of the genus. The inner one with a large secondary cusp about halfway up its posterior edge, and the hinder edge of the main cusp, above the secondary one, markedly sinuous, as though the tooth were occasionally trifid (fig. b). Outer incisor well developed, triangular in section at the base (see fig. c), its angles each with a cusp, the antero-internal bearing the long main cusp, three fourths the height of the inner incisor; cusp on the postero-internal angle about half the height of the secondary cusp of the inner incisor; cusp on the external angle minute, but quite distinct (fig. d); postero-external side of the tooth close to the base of the canine (fig. c). No trace of a minute anterior premolar; large premolar pressed closely against the back of the canine and leaving no room for another tooth between.

Lower incisors trifid, overlapping, placed at right angles to the direction of the jaws. Second lower premolar two thirds the height of the canine, and first premolar two thirds its height.

Dimensions of the type (an adult male in spirit): - Head and body 50 millim.; tail 39; forearm 36 (= 1.4 inch); head 16.5; muzzle to eye 7.0; ear, above crown 9.0, from base of external margin 13.0; thumb, including claw, 6.2; lower leg 13.6.

The type specimen of this most interesting bat was obtained by my friend Dr. Percy Rendall at Bathurst, on the River Gambia, and I have much pleasure in connecting his name with it.

Vesperuqo Rendalli presents a combination of characters which prevents it falling into anyone of the subgenera of *Vesperugo* as recognized and defined by Dr. Dobson (Cat. Chir. B.M. p. 184). But I am far from regarding it as representing a new subgenus, and only consider it as showing that *Hesperoptenus*, Peters, in which a penis-bone is present and the outer incisors are minute, should be amalgamated with *Vesperus*, in which there is no penis-bone and the outer incisors are well developed. The swollen and probably adhesive hinder pads of this species give it a second point of resemblance to *V. ("Hesperoptenus") Blanfordi*, Dobs.; but, as Dr. Dobson has shown, this character is not one on which generic or subgeneric division can be based.

Vesperugo [(Vesperugo)] maderensis Dobson, 1878

p. 231

Ears and tragus generally like those of *V. kuhlii*, but the outer margin of the ear-conch is much more deeply emarginate above, and the middle third consequently more abruptly convex (Plate XII, fig. 5, ear, double natural size).

Postcalcaneal lobe distinct, placed on the calcaneum about the length of the foot from the ankle; extremity of the tail free; wings from the base of the toes; feet small.

Fur, above, dark brown with light brown extremities to the hairs; beneath, the hears are dull black with yellowish-brown tips. No trace of a white margin to the membranes.

On the upper surface the fur extends upon the wings almost as far as a line drawn from the proximal third of the humerus to the knee, and upon the base of the interfemoral membran; beneath, the wing-membrane is clothed as sar as a line drawn from the

p. 232

elbow to the knee; fur longer on the ventral than on the dorsal surface.

Inner upper incisor on each side very slender, long, and unicuspidate, the outer incisor very small and close to its base; lower incisors at right angles to the direction of the jaw; second upper premolar separated by a narrow space from the canine, through which the summit of the minute first premolar can in some specimens be seen.

Length (of an adult M), head and body 1".6, tail 1".5, head 0".55, ear 0".5, tragus 0".22, forearm 1".3, thumb 0".22, second finger 2".25, fourth finger 1".6, tibia 0".45, foot 0".25.

(Three specimens (from Palma and Madeira) have been examined and measured by me and found to agree in all respects.)

Hab. Madeira and Canary Isles.

This species is closely allied to *V. kuhlii*, but may be at once distinguished by the much shorter body and longer tail, by the very deep emargination on the outer side of the ear, and by the complete absence of the white margin to the membranes.

a. F ad., al. (type). Madeira. W. S. MacGillivray [C.].
b. M ad., al. Palma.

Vesperugo Anchieta Seabra, 1900

p. 26

Treze femeas de Cahata representam esta nova especie angolense que caracterisamos assim: cabeça notavelmente deprimida; o focinho curto; narinas proeminentes e bem distanciadas; as orelhas grandes, largas na sua base; o chanfro da orla externa

muito escavado, a ponta arredondada; o tragus bem desenvolvido e ligeiramente serrilhado na orla posterior; o anti-tragus bem visivel e triangular. A pelagem abundantissima tanto na cabeça como sobre o dorso e ventre; de um pardo-escuro um pouco avermelhado sobre o dorso, mais claro no ventre; membrana branchial nua; a inter-femural coberta de pellos tanto pela parte superior como pela parte inferior, até meio do comprimento da cauda. Estes pellos, como em geral succede, são muito claros e curtos na parte inferior d'esta membrana. Na região comprehendida entre o humero e o femuro, pela parte inferior (região ventral), o pello estende-se com bastante abundancia e é longo. Pela parte dorsal estende-se apenas ligeiramente sobre o femuro. O paladar apresenta os caracteres genericos; os lóbos anteriores são deprimidos e as pregas encontram-se, como procuramos representar no schema 22, quasi egualmente distanciadas entre si.

Dentição: incisivos superiores simples; o interno bem desenvolvido, o externo attingindo apenas metade do comprimento d'este; o canino separado apenas por um pequeno espaço do segundo premolar e deixando entre si e este ultimo dente o primeiro premolar pequenissimo e difficil do reconhecer. Os molares perfeitamente conformados. Os incisivos inferiores trilobados.

Dimensões: cabeça e corpo 40 mili.; cabeça 15; orelha (da base do tragus á penta) 11; cauda 32; ante-braço 35; polex 4; 3° dedo: 3.° dedo: metacarpô 31; 1.ª phalange 12; 2.ª phalange 16; 4.° dedo: metacarpo 30, 1.ª phalange 10, 2.ª phalange 8; 5.° dedo: metacarpo 20, 1.ª phalange 9, 2.ª phalange 5; tibia 43; pé 6. Nos outros individúos as dimensões correspondem exactamente a estes.

p. 26

Thirteen females from Cahata represent this new Angolan species that are characterised as follows: notably depressed head; short snout; prominent nostrils and well-spaced; big ears, large at the base; the bevel of the external edge is concave, with a rounded tip; the tragus is well developed and slightly serrated on the back edge; the anti-tragus is very visible and triangular. The coat of hair is equally abundant on the head, back and belly; from a dark brown it becomes a little red on the back, and clearer on the belly; the branchial membrane has no hair; the inter-femur is covered by hairs on the top and the bottom, halfway of the length of the tail. These hairs, as generally, are very light and short on the bottom part of the membrane. In the region between the humerous and femur, on the bottom part (belly region), the hair extends abundantly and is long. On the dorsal part it extends over the femur. The palate presents general characteristics; the anterior lobes are depressed and the folds are, as we sought to represent scheme 22, they are almost equally spaced.

Dentition: simple superior incisors; the interior is under developed, the external reaches about half the length of this one; the canine separated by a small space between the second premolar and in between these two is a small first premolar which is difficult to identify. The molars are perfectly conformed. The inferior incisors are tri-lobed.

Measurements: head and body 40 mill.; head 15; ear (from the base of the tragus to the tip) 11; tail 32; forearm 35; thumb 4; third finger: metacarpal 31; 1.ª phalange 12; 2.ª phalange 16; fourth finger: metacarpal 30, 1.ª phalange 10, 2.ª phalange 8: fifth finger: metacarpal 20, 1.ª phalange 9, 2.ª phalange 5; tibia 43; foot 6. The measurements of other individuals correspond exactly with these.

Vesperugo hypoleucus Heuglin and Fitzinger, 1866

p. 546

In Sennaar, zwischen Kereri, Halfäye und Surerat am Nil in der Nähe von Chartum gesammelt. Ausgezeichnet durch die rein weiße Färbung des Bauches.

Vesperugo pagenstecheri Noack, 1889

p. 220.

Taf. II, Fig. 3, Taf. V, Fig. 64 - 65.

Zwei Spiritus-Exemplare F. Netonna. Im Wipfel einer Kokuspaluie gefangen. Coll. Hesse.

Diagnose. Kleiner *Vesperuqo*, der *Vesperugo nanus* PETERS nahe steht, aber erheblich kleiner und viel heller gefärbt ist. Ohr lang und schmal zugespitzt, hinten etwas ausgeschnitten, der äussere Ohrrand mässig gegen den Mundwinkel vorgezogen, der kleine und schmale Tragus innen gerade, aussen convex. Färbung oben hell gelblich olivenfarben, unten noch heller weisslichgelb mit olivenfarbenem Anfluge.

Beschreibung. *Vesperugo pagenstecheri* in zwei identischen Exemplaren unterscheidet sieh von *V. nanus* durch die geringere Grösse, die längeren und schmaleren Ohren, den anders geformten Tragus, den längeren zweiten Finger und die viel hellere Färbung.

p. 221

Der Kopf ist klein, die Nase, deren Seiten mit borstigen, nach vorn gerichteten Wimpern besetzt sind, stumpf, die seitwärts geöffneten Nasenlöcher mit wulstigem Baude durch eine seichte Furche getrennt, die Unterlippe ohne Warzen, fein behaart. Die langen, niedergedrückt die Nasenspitze überragenden Ohren sind sehr schlank zugespitzt, aussen nur wenig eingebuchtet, der untere Dach vorn vorgezogene, etwas verdickte Rand endet in einen hochstehenden Lappen von 0.75 mm Länge. Der schmale Tragus ohne Furche steht ziemlich vertical und ist nicht beilförmig wie bei *V. nanus*, sondern oben einfach abgerundet, die innere Kante gerade, die äussere etwas gebogen. Der Daumen ist frei. Die unbehaarte Flughaut am Ende des zweiten

Fingers scharf zugespitzt, der letzte Wirbel des Schwanzes ist frei. Die im Basaltheile dichter, unten spärlicher mit gelblichen, oben mit bräunlichen Härchen besetzte Schwanstlughaut ist schlank zugespitzt und entbehrt der Ausbuchtung, die Schenkelflughaut reicht bis über die erste Phalange des Fusses. Bein und Fuss sehr zart, Nägel weisslichgelbbraun. Flughaut schwarzbraun, Schenkelflughaut heller, gelbbraun, Humerus, Unterarm, zweiter Finger, Unterschenkel weissliehgelb. Wimpern und Nagenseite schwärzlichbraun. Haarbasis hell graubraun, bei *nanus* schwarzbraun, Haar lang, fein, flockig, hell gelblichumbra mit Stich ins Olivenfarbene, unten heller mit vielfach durchschimmernder graubrauner Haarbasis. Bei *V. nanus* ist die Färbung viel dunkler braun. Vergl. PETERS, Säugethiere Mosamb., p. 63, Taf. 16, 3; DOBSON, Cat. Chiropt., p. 237.

Maasse. *V. pagenst.*, *V. nanus*.
Körper: 40, Körper und
Schwanz: 28, Schwanz: 80
Ohr lang: 9.5, 11.5 - 12
" breit: 6, 7
Tragus: 3, 3.5
Humerus: 16, 19 - 20
Unterarm: 30, 31.5
Daumen: 5, 5.5
II: 35, 29 - 30
III: 52, 54 - 57
IV: 44, 45 - 49
V: 37, -
Femur: 12; 12.5 - 13
Unterschenkel: 11, 12
Fuss mit Krallen: 6, 7
Sporn: 5, -

p. 222

Der Schädel (Tf. V, Fig, 64) ist ziemlieh schmal, Scheitel und Hinterhaupt abgerundet, Scheitel- und Lambdanaht fehlen, das sehr grosse Hinterhauptloch wird erheblich von der Squama occipit. überragt, die Stirn ist gewölbt, die Nasenbasis eingesenkt, die rundlichen Nasenbeine durch eine mediane Furche getrennt. Der Orbitalrand ist vorn wulstig, die sehr feinen Jochbogen wenig gebogen, der kurze Oberkiefer nach oben gebogen, der Gaumen ist hinten breit, vorn zugespitzt. Von den 7 Gaumenfalten gehen die beiden ersten quer durch, die folgenden sind gebrochen und die inneren Bogen stark nach hinten gezogen. Am Unterkiefer ist der aufsteigende Ast niedrig und sehr breit, der Proc. coron. mit scharfer Spitze, etwas nach vorn gerichtet, die Massetergrube tief mit scharfen Leistenrändern.

Maasse. Scheitellänge 11 (bei *Vesperuqo nanus* 12), grösste Scheitelbreite 6.25, Einschnörung 3.5, Schädelkapsel 7, Nasenbreite 3.5, Hinterhauptloch 2.5 hoch und breit, Höhe der Squama occipit. über dem For. occipit, fast 2, hintere Gaumenbreite 3.5. Unterkiefer bis zum Condylus 7, aufsteigender Ast 2, Höhe des horizontalen Astes 1.

Gebiss (Taf. V, Fig. 65) von *Vesperugo*: $I^{2+2}/_{6}$ $C^{1+1}/_{1+1}$ $P^{2+2}/_{2+2}$ $M^{3+3}/_{3+3}$.

I innen mit der Spitze nach innen und vorn gerichtet, zweispitzig, der hintere Zacken stark, nicht ganz so lang wie der vordere. I aussen vorn mit kräftigem Basalwulst. kürzer und schmaler als I innen. C mit breitem Basaltheil, aber schlank zugespitzt und nach vorn gerichtet, vorn, aussen und hinten mit scharfer Kante, innen stark cannelirt. Der Basalwulst springt nach hinten höckrig vor und ist röthlich gefärbt, wie auch P und M einen hellröthlichen Anflug haben. P I ein sehr kleiner, rudimentärer, nach innen gerichteter Zacken. P II = $^{3}/_{4}$ C, länger als M. Basalwulst vorn höckrig, hinten ausgezogen, der Innenzacken vertieft. M I und II identisch, die beiden Aussenzacken gleich hoch, der Innenhöcker vertieft mit nach vorn gerichtetem Innenzacken. M III kleiner, der hintere Theil des W unbedeutend, der Innenzacken nach vorn gerichtet. C ist 1 mm hoch, die übrigen Zacken entsprechend niedriger.

Unten I nach vorn gerichtet, klein, gestielt, stark dreilappig, C schmal und gerade, der Basalwulst innen mit kleinem Nebenzacken. P und M mit Basalwulst, P I und II einspitzig, I etwas niedriger. Bei M der vordere Aussenzacken etwas höher als der hintere, innen 3 Zacken, der vordere nach vorn, der hintere nach hinten gerichtet. M III etwas kleiner

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Vesperugo pulcher Dobson, 1875

p. 471

Crown of the head slightly elevated above the face-line; muzzle shaped more like that of some species of *Vespertilio* (*V. emarginatus*, e. g.), and the glandular prominences between the nostrils and eyes less developed than in most species of *Vesperugo*. Ears about four fifths the length of the head, the ascending inner margin straight or faintly convex, the upper half of the outer margin slightly concave, terminating in a line directly below the eye, but on a lower level than the angle of the mouth ; tragus nearly half the length of the ear, shaped like that of *V. serotinus*.

Posterior margin of the interfemoral membrane festooned with distinct papillæ arranged like the teeth of a comb.

Fur above sienna-brown, with shining tips, beneath wholly pure white; the dark-coloured fur of the back does not pass beyond a line connecting the angle of the mouth (when the head is extended) and the under surface of the humerus. Interfemoral, antebrachial, and wing-membranes between the humerus and femur white; the remaining parts of the wing-membrane pale brown.

p. 472

Inner upper incisor long, with a second cusp on its outer side near the extremity. Outer incisor short, lying close to the base of the inner incisor. Second premolar in the upper jaw separated from the canine by a short interval, through which the small first premolar is distinctly visible from without. Lower incisors not crowded.

Length (of an adult male preserved in alcohol), head and body 2".0; tail 1".6; head 0".7 ; ear 0".6; tragus 0".25; forearm 1".35; thumb 0".28; second finger 2".6; fourth finger 1".9; tibia 0".52; foot and claws 0".3.

Hab. Zanzibar.

Type in the collection of the British Museum.

This species resembles *V. (Alobus) temminckii*, Rüpp., but may be at once distinguished by the form of the tragus, which is narrowed towards the tip and subacutely pointed, by the deeply fimbriated margin of the interfemoral membrane, by its much greater size, &c.

Vesperugo pusillulus Peters, 1870

p. 124

Vesperugo pusillulus. Nov. sp.

V. supra ferrugineus, subtus pallidior, pilis omnibus basi nigris; auriculis triangularibus rotundatis, externe vix emarginatis, plicis 5 transversis; trago versus apicem dilatato, ut in V. nocHila; antitrago rotundato-triangulari ; patagio ad digitorum basin affixo ; cauda usque ad apicem patagio involuta ; patagio femorali supra basi pilosa, subtus lineis transversis ciliatis; ápice

p. 125

dentis incisivi superioris primi postiço ciente incisivo secundo vix altiore; praemolari primo superiore a latere visibili.

Long. tota 0^{m},0600
" capitis 0^{m},0125
" auris 0^{m},0085
" " marg. ant 0^{m},0060
Lat. auris 0^{m},0070
Long. tragi 0^{m},0035
" caudae 0^{m},0240
" humeri 0^{m},0165
" antibrachii 0^{m},0250
" digit 1 0^{m},0050
" 2. (mtc. 0,0235; ph. 1. 0,0011) 0^{m},0246
" " 3. (" 0,0255; " 0,0097; ph. 2. 0,0073; cart. 0,0045) ... 0^{m},0470
" " 4. (" 0,0247; " 0,0078; " 0,0050; " 0,0015) ... 0^{m},0390
" " 5. (" 0,0244; " 0,0063; " 0,0027; " 0,0015) ... 0^{m},0349
Long. fem 0^{m},0100
" tibiae : 0^{m},0090
" plantae 0^{m},0045
" calcar 0^{m},0090

Exempla duo ex Loango. (Anchieta)

Vesperugo senarensis Heuglin, 1877

p. 32

Vesperugo senarensis, Heugl. - Fitz. u. Heugl. Säugeth. p. 10. - In der Umgegenb von Chartum.

Vesperugo sennaariensis Heuglin and Fitzinger, 1866

p. 546

In Sennaar, in der Umgegend von Chartum.

Vesperugo stampflii Jentink, 1888

p. 54

An adult male, Farmington River (Stampfli).

p. 55

The smallest *Vesperugo*-spedes hitherto recorded. Ears ronnded off, inner margin convex, outer margin straight for its greatest part, then convex, terminating in a small rounded lobe at a short distance behind the angle of the mouth. Inner margin of tragus slightly concave, outer margin convex, tip rounded off.

Wings from base of toes, calcaneum long with projecting tip; extreme tip of tail free. Interfemoral and wing-membranes margined with white.

Fur above black with brownish red tips, beneath black with light brown tips. Ears and membranes black.

Inner upper incisors bifid, outer incisors unicuspidate; lower incisors trifid. First upper premolar very small, hardly visible from without; first lower premolar three fourth of the size of the second premolar.

Measurements of the adult male, in alcohol (in mm):

Length of head and body: 38
" " tail: 24
" " ear: 9
" " tragus: 4
" " forearm: 33
" " thumb: 5
" " third finger: 45
" " fifth: 36
" " tibia: 10
" " foot: 5

I call it after its discoverer, Mr. Stampfli.

Vesperus bicolor Bocage, 1889

p. 5

Museau obtus, large et renflé. Oreilles courtes, mésurant à peine $^2/_3$ de la longueur de la tête, avec le bord interne fortement convexe à partir de la base et l'externe émarginé dans sa moitié supérieure; l'extrémité arrondie. Tragus allongé, cultriforme, à bords parallèles et avec un petit lobe triangulaire à la base du bord externe. Ailes par-

p. 6

tant de la base du 1er orteil; un lobe calcanéen distinct et convéxe. Queue presque entiérement comprise dans la membrane interfémorale.

Poils des parties supérieures brun-marron avec les extrémités d'un roux ferrugineux; ceux des parties inférieures d'un marron plus foncé, presque noir, avec les extrémités blanches; les poils du museau roux-ferrugineux. Les membranes alaires transparentes, d'un brun-roussâtre pâle; les membres de cette même couleur.

Incisives supérieures internes indistinctement bilobées, larges et courtes, les externes rudimentaires; pas de trace de la première prémolaire à la mâchoire supérieure; les incisives inférieures trilobées, disposées transversalement par rapport au bord de la mâchoire; la premiére prémolaire inférieure petite, ayant à peine la moitié de la hauteur de la deuxième.

Deux individus femelles de *Caconda* par M. d'Anchieta.

De la taille à peu-près du *V. minutus*, Temm., et du *V. tenuipinnis*, Peters, et se rapprochant du second par ses couleurs. Malheureusement ces deux espèces manquent aux collections du Muséum, de Lisbonne, de sorte que nous avons à nous prononcer d'après les descriptions de ces deux espèces: il doit ressembler au *V. minutus* par la forme du tragus, mais s'en écarte par la forme et les dimensions relatives de ses incisives supérieures et aussi par ses couleurs; ces derniers caractéres semblent s'accorder mieux avec ceux du *V. tenuipinnis*, mais le tragus de cette espèce doit avoir une forme toute différente, ayant été comparé par Peters au tragus du *V. noctula*.

Voici maintenant les dimensions des parties les plus intéressantes à comparer chez les trois espèces:

V. bicolor, nova sp.; *V. minutus* (Dobs.), *V. tenuipinnis*, (Peters)
Tête et corps: 43 mm.; 45 mm; 46 mm.
Queue: 26; 27; 30
Oreille: 12; 11; 11
Tragus: 6; 5.7; 4.5
Avant-bras: 30; 31; 29
Pollex: 6; 5.5; 5
3^e doigt: 53; 50; 53
Jambe: 11; 10; 11

Vesperus damarensis Noack, 1889

p. 213

Taf. V, Fig. 59.

Ueber *Vesperus* s. DOBSON, Cat. Chiropt., p. 184 ff.

Drei Exemplare F, zwei in Spiritus. Damaraland, Omburo und Golabu, Coll. SCHINZ.

Diagnose. Mittelgrosser *Vesperus* mit langen, oval zugespitzten Ohren, deren äusserer Rand aber etwas eingebuchtet ist, und geradem, aussen halbmondföriuig abgerundetem Tragus, mit dunkelbrauner, zwischen Schenkeln und Schwanz hell gelbbrauner, von weissen parallelen Adern durchzogener Flughaut, oben von hell sepiagelber mit Graubraun gemischter, unten von weisegrauer mit Schwarzbraun gemischter Farbe der ziemlich langen und flockigen Haare.

Beschreibung. Die spärlich behaarte Nase ist kurz und breit, schwarz gefärbt, die nach aussen geöffneten Nasenlöcher mit wulstigem Rande sind weit vorgestreckt und durch eine breite Furche getrennt, die Oberlippe verdickt, die Stirn stark behaart. Die 12 mm lange Zunge schmal, hinten nur wenig verdickt. Das oval zugespitzte Ohr reicht niedergedrückt bis zur Nasenspitze, nur der Basaltheil des vorderen Randes und die hintere Basis sind behaart. Der äussere Rand ist wenig ausgebuchtet und unten verdickt, der untere Lappen mässig, bei weitem nicht bis gegen den Mundwinkel vorgezogen. Der Tragus ist etwas nach vorn geneigt, der innere Rand desselben gerade, der äussere halbmondförmig convex und unten umgebogen. Daumen und Zehen dünn behaart, der kleine Daumen mit basaler Schwiele und weissem oder weisslichbraunem Nagel frei, der dritte Finger stark

p. 214

verlängert, daher die Flughaut zwischen zweitem und drittem Finger stark zugespitzt; die distale Hälfte des Oberarmes nackt, die Flughaut zwischen Arm und Schenkeln mit starken Papillen, von weissen parallelen Adern durchzogen, oben am proximalen Rande und unten etwas weiter hin dünn behaart. Die Schwanzflughaut schliesst den Schwanz ganz ein, ist hinter dem Caleaneus stark ausgebuchtet und oben und unten am proximalen Theile dünn weiselich behaart; auch hier verlaufen weisse parallele Adern schräg nach dem Schwanze.

Das lange weiche Haar ist von ungleicher Länge, erscheint daher flockig, die Basis dunkel schwarzbraun, die Spitze weisslich-gelb mit Sepiabeimischung und Silberglanz. Am Oberarm und der Unterseite sind die Haarspitzen weisslich. Stirn, Scheitel und Ohr sepiagelbbraun, Kinn und Gesichtsseiten etwas heller. Die Färbung ist der von *Vespertilio lanosus* SMITH ähnlich; letztere, der SMITH ungeheuerlicher Weise einen halbmondförmigen an seinem Exemplar offenbar zufällig entstandenen Ausschnitt des äusseren Ohrrandes zuschreibt, ist falsch bestimmt und muss nach DOBSON *Kerivoula lanosa* heissen, da sie gar nicht das Gebiss von *Vespertilio* hat.

Maasse: Körper 43 - 50 mm, Schwanz 26 - 30, Ohr 9 - 10 lang, 7 - 8 breit, Tragus 4, Humerus 19, Unterarm 32 - 33, Daumen 4.5 - 5, II 57.5 - 60, III 52 - 54, IV 45 - 47, Oberschenkel 12, Untenschenkel 11 - 12, Sporn 10 - 10.5.

Schädel. Die obere Profillinie ist ziemlich gerade, die Nase sehr wenig eingebogen, die Stirn sehr wenig convex, die Scheitelnaht schwach, die Stirnbeine nach hinten rundlich pfeilförmig (im maurischen Kielbogen) verlaufend, der Schädel zwischen den Stirnbeinen eingeschnürt. Die Nasenbeine und Zwischenkiefer sind durch die Wurzeln von I und C verdickt. Der Jochbogen sehr fein, in der Mitte etwas nach oben gezogen. Hinterhaupt rundlichdreieckig, etwas gewölbt und unten nach vorn abfallend, das Foramen occipit. sehr gross. Das Tympanum an der Aussenseite flach mit etwas verdicktem Rande, der knöcherne Gaumen hinten mit einem Zacken. Das rundliche Foramen Infraorbit. sitzt hoch, dicht am Orbitalrande.

Der horizontale Ast des Unterkiefers ist mässig gebogen, nach hinten verjüngt, der Proc. coron. wie gewöhnlich dreieckig, etwas nach vorn gerichtet, die Massetergrube tief, vorn mit dreieckigem scharfem Rande.

Maasse: Scheitellänge 19.5 - 20, Basilarlänge 18 - 18.5, Höhe des Hinterhauptes und Scheitelhöhe 5, Breite des Hinterhauptes zwischen

p. 215

dem Tympanum 8.5, hinter den Jochhogen 8, Weite zwischen den Jochbogen 10, Scheitelbeine fast 7, Nasen- und Stirnbeine 5, knöcherner Gaumen 6.5, Breite vor den Jochbogen 5, Länge des Jochbogens 5, For. occipit. 2.5 hoch, 3 breit. Unterkiefer bis zum Proc. cor. 8, bis zum Condylus 10.25; Höhe des horizontalen Astes fast 1, unter dem Proc. coron. 2.75.

Gebiss von *Vesperus*: $I\ ^{2+2}/_{6}\ C\ ^{1+1}/_{1+1}\ P\ ^{1+1}/_{2+2}\ M\ ^{3+3}/_{3+3}$

Oben I (Taf. V, Fig. 59) mit Basalwulst, I innen klein, mässig gebogen mit sehr kleinem hinterem Zacken, der bei *Vesperus* im Alter verschwindet und nur bei einem Exemplar noch deutlich sichtbar ist. I aussen sehr klein, eng an I innen gedrängt, etwas nach vorn gerichtet. C mässig gebogen, senkrecht zur Kieferachse gestellt, hinten und innen ausgekehlt mit scharfer äusserer Kante, $P = {}^{1}/_{2}$ C, mit starkem hinterem Basalzacken, vorderem Basalwulst und starkem innerem Zacken mit vertiefter Kaufläche, Spitze nach innen gerichtet. M I und II W-förmig, die Aussenzacken doppelt, die innere Reihe höher, vor dem ersten Aussenzacken noch ein kleiner Basalzacken. Der innere tief liegende Kauhöcker innen gefurcht mit scharfem mittlerem Zacken. M III nach hinten gerichtet = ${}^{1}/_{2}$ M III, aussen ein, daneben, nach innen zwei Zacken, hinten zwei Zacken, der innere höher.

Unten I mit gestielter Wurzel, die Krone scharf dreilappig, die I stehen nicht senkrecht, sondern schräg nach vorn zur Achse des Kiefers C senkrecht zur Kieferachse, schlank, mässig gebogen, mit Basalwulst, der nach hinten und vorn in einen Zacken endet,

wie auch bei P II und M. Die hintere Fläche von C ist mässig ausgekehlt. P I klein, eng zwischen C und P II eingekeilt, kleiner als $^1/_2$ C, etwas höher als $^1/_2$ P II; P II = $^3/_4$ C. M I aussen und innen mit je 2 Zacken, I aussen höher mit kleinem vorderen Nebenzacken, M II aussen 2, innen 3 Zacken, ebenso M III, der erste viel höher als der zweite, innen der letzte mit kleinem Hinterzacken.

Von den Afrika, resp, die südafrikanische Subregion bewohnenden *Vesperus*-Arten bind zu vergleichen *V. serotinus* und *capensis*, da, wie aus der Beschreibung erhellt, *V. minutus, andersoni*, welcher viel grösser ist, *tenuipennis* und *grandidieri* nicht in Frage kommen, vollends nicht *V. nasutus* und *platyrrhinus*. Es ist an und für sich nicht wahrscheinlich, dass *V. serotinus* sich bis in die südafrikanische Subregion erstreckt, und da bei diesem das nach vorn gebogeue Ohr nur über die Mitte zwischen Auge und Muffel, bei *damarensis* bis zur Nasenspitze reicht, ist eine Identificirung mit *V. serotinus* nicht mög-

p. 216

lich. Das Ohr von *V. damerensis* hat die Proportion wie bei dem kürzlich von F. LATASTE (in: Ann. Mus. Civ. Stor. Nat, Genova (Ser. 2), Vo1. 4, 1887) aus Kairo beschriebenen *Vesperus innesi*, nur ist der Tragus ganz anders. Auch das Ohr von *V. capensis* unterscheidet sich erheblich, hier liegt der verstärkte Aussenrand des Ohrs viel höher als bei *V. damarensis*, der Tragus ist bei *damarensis* unten an der Aussenseite umgebogen, die äussere Schwanzspitze ist frei, die Ausbuchtung der Schenkelflughaut ist viel kleiner, die Färbung ist oben röthlichbraun mit hellerer Haarspitze, die inneren I oben stehen bei *damarensis* weiter von den äusseren ab als bei *capensis*, die unteren I stehen bei *V. capensis* senkrecht zur Kieferachse, der hintere Ansatz von P oben ist breiter

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Vesperus guineensis Bocage, 1889

p. 6

Museau obtus, portant de chaque côté entre la narine et l'œil un renflement glandulaire arrondi. Oreilles plus courtes que la tête, triangulaires, arrondies au bout, avec le bord externe distinctement émarginé dans sa moitié supérieure. Tragus plus court que la moitié de la hauteur de l'oreille, cultriforme, à bords droits et à pointe arrondie, atteignant sa plus grande largeur vers le milieu du bord externe, qui porte à la base un petit lobe triangulaire. Ailes partant de la base du premier orteil; le lobe postcalcanéen convexe à son bord libre. Queue

p. 7

comprise jusqu'à près de l'extrémité dans la membrane interfémorale.

Les poils en dessus et en dessous d'un beau marron uniforme, à l'exception de ceux qui couvrent la région pubienne, la membrane alaire des deux côtés de l'abdomen et la membrane interfémorale, lesquels sont blancs teints légèrement de fauve. Les membres et la membrane alaire marron foncé, comme le corps.

Incisives supérieures internes bilobées, les externes pointues et arrivant presque à l'extrémité de la pointe extérieure de la 1^e incisive. La prémolaire supérieure accolée à la canine et à la première molaire, triangulaire et assez forte. A la mâchoire inférieure la premiére prémolaire de la même forme que la seconde et ayant deux tiers de la hauteur de celle-ci. Les incisives inférieures trilobées et implantées en travers des bords de la mâchoire.

Plus petit que le *V. tenuipinnis*, Peters; inférieur même en dimensions aux *Vesperugo pipistrellus* et *V. Kuhli*, desquels il se raproche par son systéme de coloration. L'absence de la premiére prémolaire supérieure ne permet pas de le confondre avec ces espèces. La couleur des régions inférieures et la forme du tragus, cultriforme et non pas securiforme, doivent servir à le distinguer du *V. tenuipinnis*, qui vient également de la Guinée.

Dimensions: Tête et corps 35 mm.; queue 25; oreille 9; tragus 5; avant-bras 26; pollex 4; 3^e doigt 43; jambe 10; pied 5.

Deux femelles envoyées de *Bissau* en 1879 par M. Rodrigo da Costa.

Vesperus Humbloti A. Milne-Edwards, 1881

p. 1034

Le Muséum d'Histoire naturelle vient de recevoir de Madagascar une collection fort importante et riche en objets rares ou inconnus; elle lui a été offerte par M. Humblot, qui a surtout exploré, sur la côte est, la région comprise entre Fou.apointe te le lac l'Aincatre.

p. 1035

Un petit *Vesperus* (*V. Humbloti*, nov. sp.) se rapproche beaucoup du *V. minutus*, mais ses dimensions sont plus fortes et ses dernières vertèbres caudales sont complètement incluses dans la membrane interfémorale.

Vesperus pusillus Noack, 1889

p. 216

Taf. II, Fig. 2, Taf. V, Fig. 60 u. 61.

Spiritus-Exemplar M. Boma, März, Coll. HESSE.

Diagnose: Winzig kleiner *Vesperus* mit langem, schmalem, wenig eingebuchtetem Ohr, nach oben breit dreieckig verbreitertem, mit der Spitze nach innen gebogenem Tragus, kurzer stumpfer Nase, dreizackigen äusseren Incisiven, geringer Ausbuchtung der Schenkelflughaut, freiem letzten Schwanzwirbel, von tief russschwarzer, unten wenig hellerer Farbe.

Beschreibung: Nase kurz und stumpf mit runder Muffel, die Nasenlöcher durch eine sehr seichte Furche getrennt. Die wulstige Oberlippe ist durch eine tiefe horizontale Furche abgesetzt. Die Oberlippe an der Seite dick wulstig, unter dem Kinn (nicht an der Oberlippe) eine starke runde Warze. Von den Gaumenfalten sind die beiden ersteren ungebrochen, die folgenden durch einen breiteren Zwischenraum getrennt und gebrochen, die Halbbogen auf der Innenseite nach hinten gezogen, die letzte, stark wulstige Doppelfalte innen sehr weit nach hinten reichend. Das lange schmale Ohr mit oval abgerundeter Spitze oben am äusseren Rande etwas eingebuchtet, unten der Lappen fast bis zum Mundwinkel hin vorgezogen. Tragus an der Basis schmal, nach oben verbreitert, innere Kante concav, äussere fast gerade, die Spitze bildet ein rundliches Dreieck, dessen Spitze nach innen gerichtet ist. Die vordere Fläche des Tragus ist ausgehöhlt. Der Daumen ist frei, der Humerus oben in der proximalen Hälfte behaart, unten nur zunächst dem Körper, die Flughaut auf 2 - 3 mm vom Körper dünn behaart, die Schwanzflughaut, aus welcher

p. 217

der letzte Wirbel herausragt, ist stark zugespitzt, oben nackt, die Ausbuchtung unbedeutend. Der Hinterleib ist auffallend schmächtig, der Penis lang herabhängend. Scrotum ziemlich gross. Färbung des Körpers und der Flughaut tief schwarzbraun, das Ohr tief schwarz, auf der Unterseite sind die Haarspitzen gelblichbraun, doch ist die Gesammtfärbung nur wenig heller als oben.

Maasse: Körper 31 mm, Schwanz 22, Ohr 7, mittlere Breite 4, Tragus 4, Humerus 17, Unterarm 26, Daumen 3; II 20.5; III 35; IV 31; V 28. Femur 10, Unterschenkel 10.5, Fuss 4.5.

An dem sehr zarten Schädel (Taf V, Fig.60) mit etwas blasig aufgetriebenen Stirnbeinen ist die Schädelkapsel doppelt so lang wie die Nase, die Kapsel ziemlich flach und breit, vor den Augen mässig eingeschnürt, die obere Contour mässig gebogen, die Stirn etwas gewölbt und die Nasenbasis mässig deprimirt. Der Oberkiefer ist vorn nur wenig in die Höhe gezogen, das Hinterhaupt mässig gerundet und unten nach vorn gezogen, besonders am unteren Rande des grossen For. occipit., die ziemlich grossen runden Bullae aud. nicht vom Tympanum getrennt, mit langem seitlichen Halbringe. Die Basis cranii liegt auffallend hoch, so dass die Scheitelhöhe eine geringe ist.

Der Unterkiefer ist nach vorn schmal zugespitzt, die Symphyse kräftig, unten mit rundlichem Zacken, der horizontale Ast ziemlich stark gebogen, so dass der Winkelfortsatz bis in die Höhe der Zahnbasis emporgezogen ist. Der Proc. cor. ist etwas nach vorn, der Winkelfortsatz nach aussen, die hintere Kante des aufsteigenden Astes schwach S-förmig gebogen.

Maasse: Scheitellänge 10.5, Basilarlänge 9, grösste Scheitelbreite in der Mitte 7, am Hinterhaupt 6.5, Einschnürung 3.25; Breite des Oberkiefers 4, Gaumenlänge 4, das runde Hinterhauptloch 3.

Unterkiefer bis zum Condylus 7, Höhe des horizontalen Astes in der Mitte 0.75, aufsteigender Ast unter dem Proc. coron. 2, Breite desselben 2.

Gebiss. Oben I (Taf. V, Fig. 61) innen einspitzig, hinten mit kleinein Basalzacken, hakig gekrümmt, die Spitzen stark convergirend. I aussen sehr klein, dreispitzig, indem der vordere kleinere Zacken eine Doppelspitze hat. Der Zahn steht fast senkrecht, ein wenig nach aussce. C mit unbedeutendem Basalwulst, der hinten etwas ausgezogen ist, schlank, wenig gebogen, nach hinten gerichtet, innen mässig cannelirt. P = $^3/_4$ C, fast gerade, senkrecht, conisch zugespitzt,

p. 218

durch eine Lücke von C getrennt, dicht an M I gerückt. M I und II identiseh, mit niedrigen Zacken, von den beiden Aussenzacken der erste nach vorn gerichtet, W-förmige Kaufläche, die beiden inneren Nebenzacken höher als die äusseren, der vordere etwas höher, der vertiefte innere Nebenhöcker klein, der innere Rand vorn mit Zacken. M III schmal, der hintere Theil des W von der Mitte des ersten Haarstrichs an fehlt, hinter dem inneren Nebenzacken noch ein ganz kleiner.

Unten I klein, dreilappig. nach vorn gerichtet. C, P und M mit Basalwulst. C schlank, ziemlich gerade, wenig nach vorn, aber nicht nach aussen gerichtet. Zwischen C und P I eine kleine Lücke, die übrigen Zähne in geschlossener Reihe. P I = $^2/_3$ C, mässig gebogen, etwas nach hinten gerichtet, innen cannelirt, der Basaltheil nach hinten ausgezogen. P II etwas höher, aber viel schlanker, fast senkrecht stehend. M I und II identisch, der vordere Aussenzacken höher, fast so hoch wie C, etwas nach vorn gerichtet, die beiden inneren Zacken niedriger, etwas nach hinten gerichtet. Bei M III der hintere Aussenzacken und die beiden Innenzacken niedriger.

Von *Vesperus brunneus* THOMAS (in: Ann. Mag. Nat, Hist. 1880, p. 165, DOBSON, Geogr. distrib. Chiropt., p, 17) unterschieden durch geringere Grösse, längere, schmalere Ohren, die freie Schwanzspitze, die dunklere Färbung. *Vespertilio pusillus* LE CONTE vom Gabun (in: Proc. Ac. Nat. Hist. Philadelphia 1857, p. 10 u. 11) sieht ähnlich aus hat aber ein viel kürzeres Ohr und lanzettförmigen Tragus, ist übrigens, da LE CONTE nichts über die P sagt, so oberflächlich beschrieben, dass die Gattung, geschweige die Species, fraglich ist.

Die genannten drei tief dunklen Chiroptera sind meines Wissens ausser *Vesperugo stampflii* Jent. (in: Notes 1888, p.55), der schwarz mit rothbrauuen Flecken ist, die einzigen bisher in Afrika gefundenen, während sich diese tief schwarzbraune Färbung bei südamerikanischen Arten öfter findet.

Vesperus tenuipinnis Peters, 1872

p. 263

Eine durch ihre Färbung sehr auffallende Art: oben dunkel rostbraun mit einfarbigen Haaren, Ohren, Gliedmafsen und die ganze Bauchseite schneeweifs, nur die Basis der Haare braun; Flughäute farblos durchsichtig.

Der erste obere Schneidezahn ist breit, an seiner Vorderseite gefurcht, fast zweispitzig. Der zweite ist sehr kurz und liegt vor dem äufsern Theile des ersten und durch einen Zwischenraum von dem Eckzahn getrennt. Die unteren dreilappigen Schneidezähne stehen dem Kieferrande fast parallel. Der erste untere Prämolarzahn ist etwa $^{1}/_{3}$ niedriger, aber im Querschnitt wenig kleiner als der zweite; er ist ungefähr halb so hoch wie der untere Eckzahn.

Die Ohren sind dreieckig abgerundet, an der Basis des Aussenrandes mit einem abgerundeten, deutlich abgesetzten Läppchen

p. 264

versehen und im Allgemeinen ebenso wie die breite beilförmige Ohrklappe denen von *V. noctula* ähnlich.

Die Körperbehaarung dehnt sich seitlich aus über das erste Drittel des Oberarms, die Hälfte des Oberschenkels und die Basis des Schwanzes.

Die Flughäute sind sehr dünn und durchsichtig, so dafs man jede Schrift durch sie unbehindert lesen kann und gehen bis an die Zehenbasis. Der Schwanz ist bis auf die äufserste Spitze von der Schenkelflughaut eingeschlossen.

Meter
Totallänge: 0.076
Kopf: 0.014
Ohrhöhe: 0.0115
Vord. Ohrrand: 0.008
Ohrberite: 0.0085
Tragus: 0.0045
Oberarm: 0.016
Vorderarm: 0.029
L.1.F. Mh. 0.001; 1 Gl. 0.0023; 2 Gl. 0.0013: 0.005
L.2.F. - 0.027; - 0.0015: - 0.0285
L.3.F. - 0.0285; - 0.0103; - 0.0083; Kpl. 0.006
L.4.F. - 0.0272; - 0.009; - 0.006; - 0.002
L.5.F. - 0.0267; - 0.006; - 0.0037; - 0.002
Schwanz: 0.030
Oberschenkel: 0.011
Tibia: 0.011
Fufs: 0.006
Sporn: 0.013

Ein weibliches scheinbar ausgewachsenes Exemplar aus Guinea.

Xiphonycteris Dollman, 1911

p. 210

Size similar to that of the smaller species of *Nyctinomus*. Wings small, membranous area much reduced. Ears, feet, and tail much as in *Nyctinomus*.

Skull with median anterior palatal emargination like that of *Nyctinomus*, but emargination quite small and inconspicuous,though extending behind roots of incisors. Teeth according to the following formula: -

i. $^{1-1}/_{1-1}$, c. $^{1-1}/_{1-1}$, p. $^{2-2}/_{2-2}$, m. $^{3-3}/_{3-3}$ = 28.

Upper incisors quite small and closely in contact with canines; widely separated from each other, wider apart at base than at tip. Upper canine rather similar to that of *Nyctinomus*, but with cingulum very prominent and shaft of tooth longer, much flatter anteriorly, and pointing slightly outwards. Base of canines much enlarged, the anterior edges of the cingula on a level with the anterior limit of the upper incisors; when looked at from above the cingula appear as two prominent crescentic ridges with the minute incisors between them, the incisors being so placed as to resemble two anterointernal cusps on the cingula of the canines. Behind the shaft the cingulum is expanded to form a large flat area, its posterior edge closely in contact with the small anterior premolars. Upper premolars and molars as in *Nyctinomus*, the molars with well-developed hypocones. Lower incisors reduced to a single pair of very minute functionless teeth, bridged over by the junction of the lower canines; cutting-edges deeply bifid. Lower canines with well-developed cingula, forming anteriorly prominent secondary cusps, which meet together in the mid-line as a bridge over the minute incisors; posterior portion of cingulum large and well developed, much more so than in the allied genera. Lower molars and premolars as in *Nyctinomus*.

Type, *Xiphonycteris spurrelli*.

This genus would appear to be most nearly related to the

p. 211

genus *Nyctinomus*, which it resembles in general external characters and in the presence of the small upper premolar; but the absence of i_2, the peculiar position of the single pair of minute lower incisors, and the unusual shape and arrangement of the upper and lower canines are more than sufficient reasons for considering the genera as quite distinct. As regards the genus *Chærephon* the same differences hold good, with the additional character of the median anterior palatal emargination present in *Xiphonycteris*.

In the possession of only a single pair of lower incisors, and in having the lower canines in contact with one another, this genus in some ways resembles the South-American genus *Molossops*; but the two genera, on account of numerous important differences, cannot be looked upon as close allies.

Xiphonycteris spurrelli Dollman, 1911

p. 211

General appearance and size much as in the smaller species of *Nyctinomus*. Ears roughly triangular in shape, with rounded corners; tragus and antitragus apparently normal. Feet comparatively small; toes hairy, the hairs extending along the margin of the interfemoral membrane for about 10 mm. Wings small, forearm only 27 mm. long; wing-menbrane very narrow. Hair on back short, a few longer hairs near base of tail. General colour of back rusty red, hairs rather lighter at base than at tips. Under surface of body buffy white, the hairs becoming brownish on the flanks and sides of neck. Tail, as described above, with terminal half free. Interfemoral membrane naked on upper surface, below thinly clad with very minute white hairs.

Skull with rather narrow brain-case, markedly so in the occipital region. Supraoccipital crest well developed, extending back some distance beyond the exoccipital region. Sagittal crest but little developed. Zygoma fairly strong, expanded posteriorly. Anteprbital foramen large. Lachrymal ridge faintly indicated. Anterior palatal emargination about as large as base of upper incisor, extending well behind the roots of incisors. Palate slightly arched laterally, nearly flat antero-posteriorly; pterygpids almost parallel, slightly divergent behind; basisphenoid pits moderately developed. Auditory bullæ small and rather flat.

Teeth as described above.

Dimensions of the type (measured in flesh): -

Head and body 56 mm.; tail 24; hind foot 8; ear 13; forearm 27.

Skull: greatest length 17; basilar length 12.2; condylo-basilar length 14; greatest zygomatic breadth 10; inter-

p. 212

orbital breadth 3.5; breadth of brain-case (across squamosal region) 8.6; breadth of rostrum (across lachrymal region) 6; palatilar length 5.8; width of palate inside m^2 3.3; width across palate outside m^2 7; postpalatal length 6.5; length of upper tooth-row from front of canine to back of m^3 6.4; length of upper tooth-row from front of first premolar to back of m^3 4.9 ; height of canine 3.2.

Hab. Bibianaha, 60 miles W. of Kumasi, Gold Coast. Altitude 700 feet.

Type. Adult male. B.M. no. 11.1.11.1. Original number 34. Collected on December 8th, 1910, by the donor, Dr. H. G. F. Spurrell.

It gives me great pleasure to associate this new and interesting bat with the name of Dr. Spurrell, to whom the National Collection is already indebted for many rare and unique West-African mammals.

Appendix 4: Collector Information

In this appendix all the information related to the collectors is brought together. This might be useful to find discrepancies between the collector, collection date and locality.
All subtables contain the following data: collector, collection date, country and locality, museum code and number of specimens. Totals per category are also given.

Appendix 4a: Follow the Collector

In this appendix, the trail of the collector is followed, since it contains the records sorted by collector and date.

The underlined numbers indicate the number of specimens for the locality present in one or more collections. The **bold numbers** represent the number of specimens for the country and the **bold and underlined numbers** the totals for the specific date.

?: Collector Unknown

Collection Date Unknown: "Africa": Unknown locality: AMNH: 1, AMS: 13, BMNH: 15, CM: 7, DNSM: 1, FMNH: 2, HNHM: 1, HZM: 23, KM: 6, MCZ: 3, MHNC: 1, MMK: 54, MNHN: 238, MZUSP: 7, NHMZ: 42, NMB: 2, NMBE: 6, NMK: 1, ORSTOM: 10, RBINS: 2, RMCA: 24, RMNH: 4, ROM: 1, SAMC: 22, SMF: 8, SMG: 24, SMW: 1, TM: 196, UADBA: 1, UCT: 1, UNSW: 1, USNM: 18, YPM: 10, ZFMK: 1, ZMA: 65, ZMB: 11, ZMUC: 15 [8 [830] - "Congo": MIZT: 1 [1] - Bengale: MNHN: 1 [1] - Biala-Fouanga cave: MNHN: 2 [2] - but more probably from Kashmir: BMNH: 1 [1] - Central Africa: NMBE: 7 [7] - Congo: BMNH: 11 [11] - Cretschna: MNHN: 1 [1] - Dakoro, 10 km W: MNHN: 2 [2] - East Africa: BMNH: 2 [2] - East coast of Africa: BMNH: 1 [1] - Eastern Africa: NMW: 1 [1] - Epoulan: MNHN: 2 [2] - Gambi Kayes: MNHN: 1 [1] - Great lakes area, East Africa: MNHN: 3 [3] - Igo Island: MNHN: 1 [1] - Itimaire River: MNHN: 1 [1] - Kesine: MNHN: 5 [5] - Kubondo: ZMB: 1 [1] - Lealné district: MNHN: 2 [2] - Mafouta: MNHN: 2 [2] - Mafouta village: MNHN: 5 [5] - Niary or Niasy cave: MNHN: 2 [2] - Nile River, near: MNHN: 2 [2] - North Africa: AMNH: 2 [2] - Rotsédy country, NE: MNHN: 3 [3] - Sahara: MHNG: 1 [1] - Sampi: MNHN: 1 [1] - Sanaga Nyong-Dja: MNHN: 6 [6] - Saulale: MNHN: 1 [1] - Settlement: BMNH: 1 [1] - Ténéré: MNHN: 1 [1] - Unknown locality: TM: 1 [1] - West Africa: TM: 2 [2] - West coast of Africa: MNHN: 1 [1] - Zambezi, Upper: MNHN: 1 [1 - **11** - **905**].
Algeria: Unknown locality: AMNH: 1, BMNH: 43, MNHN: 11, RMNH: 1 [1 [55] - Aïn Sefra: MNHN: 1 [1] - Aïn-Sefra: MNHN: 1 [1] - Algiers: NMV: 1 [1] - Annaba: UANK: 2 [2] - Aurès mountains: MNHN: 1 [1] - Béni Abbès: MNHN: 34 [34] - Blida: MNHN: 1 [1] - Boghar: MNHN: 1 [1] - Bône, near: MNHN: 2 [2] - Cap Aokas: MCZ: 1 [1] - Chaegga: MNHN: 2 [2] - Dellys: MCZ: 1 [1] - Djamaa: MNHN: 1 [1] - Djanet: MNHN: 8 [8] - El Goléa: MNHN: 4 [4] - Hassi Fokra: MNHN: 4 [4] - Hedjani: MNHN: 1 [1] - Hoggar: MNHN: 2 [2] - Lions cave: MNHN: 3 [3] - Marhouma: MNHN: 1 [1] - Misserghin Gorge, cave of 4th source: MNHN: 2 [2] - Ouarsenis: MNHN: 1 [1] - Oumash: BMNH: 1 [1] - Tafna: MNHN: 1 [1] - Tamanrasset: MNHN: 2 [2] - Tamanrasset, near: MNHN: 2 [2] - Tassili N'Ajer: MNHN: 1 [1] - Taya: MNHN: 1 [1] - Touareg Sahara: MNHN: 11 [11 - **1** - **149**].
Angola: Unknown locality: BMNH: 1, RMNH: 1 [1 [80] - Agronomic station: IICA: 1 [1] - Alto Chicapa: BMNH: 1, MDL: 9 [10] - Alto Chicapa, R. Luica, affluent of R. Cuango-Muqué: MDL: 1 [1] - Alto Cuilo: MDL: 1 [1] - Alto Zambeze, Calunda: MDL: 2 [2] - Angola: BMNH: 1 [1] - Baia Farta: IICA: 1 [1] - Ballundo: BMNH: 1 [1] - Benguela: ZMB: 1 [1] - Benguella [= Benguela]: BMNH: 1 [1] - Cabiri: USNM: 1 [1] - Cabuta: IICA: 3 [3] - Caconda: BMNH: 1 [1] - Caconda [= Cuango]: ZMB: 1 [1] - Cacuaco: IICA: 1 [1] - Cahata: BMNH: 1 [1] - Calunda: BMNH: 1 [1] - Campale [= Kapala]: IICA: 1 [1] - Canhoca: BMNH: 1 [1 [1] - Capolopop: IICA: 3 [3] - Capolopopo: IICA: 1 [1] - Cariango: IICA: 1 [1] - Catete: NMBA: 2 [2 [1] - Catete road: IICA: 1 [1] - Catumbella: ZMB: 1 [1] - Chitado: IICA: 1 [1] - Chitau: CM: 1 [1] - Congulu: BMNH: 4 [4] - Courrier de Humpata, Fazenda Bumbo: MDL: 2 [2] - Cuango: IICA: 1 [1] - Cuchi: IICA: 1 [1] - Dando: CZL: 2, IICA: 2 [4] - Dolondolo: SMW: 4 [4] - Dundo: BMNH: 1, MDL: 1 [1 [142] - Dundo Lundo: BMNH: 2 [2] - Duque de Bragança [=Calandula]: ZMB: 1 [1] - Equlnlma: IICA: 1 [1] - Fazenda Bumbo: MDL: 1 [1] - Fazenda Cacanda: IICA: 1 [1] - Gabela: NHMZ: 1 [1] - Galanga: MNHN: 1 [1] - Golungo: BMNH: 1 [1] - Golungo Alto: BMNH: 2 [2] - Hoque: IICA: 1 [1] - Huila: IICA: 2 [2] - Humbe: IICA: 1 [1] - Humpata: IICA: 1 [1] - Jau: IICA: 1 [1] - Kalonga [= Calonga]: BMNH: 1 [1] - Kissama NP: NHMZ: 1 [1] - Kuvango: MCZ: 1 [1] - Lago Dilolo: CZL: 1 [1] - Lake Calundo [= Lac Calundo]: BMNH: 2, MDL: 5 [7] - Lândana: RBINS: 3, ZMA: 1 [4] - Luanda: IICA: 4 [4] - Lulana Camp: CM: 1 [1] - Luso [= Moxico]: CZL: 1 [1] - Marco de Canavezes: MDL: 1 [1] - Massano de Amorim: IICA: 1 [1] - Mavoio: NHMZ: 1 [1] - Missongue, near Cuanza R.: IICA: 1 [1] - Mulundo: IICA: 1 [1] - Mumbondo: IICA: 1 [1] - Mussende: IICA: 2 [2] - Namibe [=syn Mossamedes, Mocamedes]: BMNH: 1 [1] - Naulila: IICA: 1 [1] - Naulila, 25 km E: IICA: 1 [1] - no specific locality: ZMB: 1 [1] - Nova Lisboa [= Huambo]: CZL: 1 [1] - Novo Redondo, near: IICA: 1 [1] - NovoRed'1ndo: IICA: 1 [1] - Oncocua: IICA: 1 [1] - Pedra Grande, Caraculo: IICA: 2 [2] - Pungo Andongo: BMNH: 1 [1] - Quimbango: IICA: 1 [1] - Quipungo: IICA: 1 [1] - Quiteve: IICA: 2 [2] - Rio Coroca: BMNH: 1 [1] - Rio Corvea: ZMB: 1 [1] - Sá da Bandeira: IICA: 6 [6] - Sa da Bandeira [= Lubango], 20 km W: IICA: 1 [1] - Salazar [= N'Dalatando], Agronomic Station: IICA: 3, NHMZ: 1 [4] - Santo Antonlodo Zalre [= Soyo]: CZL: 1 [1] - Silva Porto [= Kuito]: CZL: 1 [1] - Tchivinguiro: IICA: 3, SMW: 3 [6] - Tshiumbe [=syn Tyihumbwe, Tyhumbwe, Chiumbe] river, tributary of Kasai river: AMNH: 1, MHNC: 2 [3] - Tshiumbe [=syn. Tyihumbwe, Tyhumbwe, Chiumbe] river, tributary of Kasai river: MHNC: 1 [1] - Vila Arriaga: IICA: 1, SMW: 1 [2 - **9** - **363**].
Azores (Portugal): Unknown locality: BMNH: 14, SMF: 1 [15 - **15**].
Benin: Unknown locality: MNHN: 9, ZMA: 2 [11] - "Dahomey": BMNH: 2, MNHN: 1 [2 [1] - Agouagon: MNHN: 8 [8] - Agouve [=Agoué?]: MNHN: 3 [3] - Ajargon [=Ajougon = Agouagon?]: MNHN: 1 [1] - Awaya: NMP: 7 [7] - Manigri: NMP: 1 [1] - Tagayé: NMP: 1 [1 - **2** - **33**].

Botswana: Unknown locality: BMNH: 2 [2] - Chobe NP, Kasane: NHMZ: 6, USNM: 2 [8] - Chobe NP, Serondela: NHMZ: 1 [1] - Chobe NR, Kasane: NHMZ: 1, USNM: 1 [2] - Dikomo Di Kai: USNM: 2 [2] - Drotsky Cave: NHMZ: 2, USNM: 1 [3] - Drotsky's [= Drodsky] Caves: NHMZ: 14, USNM: 1 [15] - First Pole Bridge: NHMZ: 4 [4] - Fort Rictfontein, 33 km SSE: USNM: 1 [1] - Four Rivers Camp: NHMZ: 15 [15] - Francis Town, 20 km N: NHMZ: 1 [1] - Francistown: NHMZ: 6 [6] - Francistown, 18 km S: NHMZ: 1 [1] - Francistown, 32 km N: NHMZ: 2 [2] - Francistown-Nata: NHMZ: 1 [1] - Ghanzi: NHMZ: 1 [1] - Ghanzi, 45 km S: NHMZ: 1 [1] - Gomoti R: NHMZ: 2 [2] - Gomoti R.: NHMZ: 1 [1] - Gomoti River, Highbanks: FMNH: 1 [1] - Kaikai, 35 km SE: NHMZ: 1, USNM: 1 [2] - Kaporota Training Camp [site 2]: FMNH: 1 [1] - Kaporota Training Camp, 5.7 km N: TM: 1 [1] - Kasane: MNHN: 2 [2] - Khuis: NHMZ: 2, USNM: 1 [3] - Khutse: NHMZ: 1 [1] - Kurunxaraga: NHMZ: 4 [4] - Kwando R.: NHMZ: 1 [1] - Kwebe Hills, 26 km NW: NHMZ: 1, USNM: 2 [3] - Lethlaking, 17 km SE: USNM: 1 [1] - Livingstone Cave: HZM: 1 [1] - Livingstone's cave: NHMZ: 1 [1] - Mabeleapudi: USNM: 1 [1] - Makalamabedi Resource Area: NHMZ: 3 [3] - Masetsi Bridge: NHMZ: 1 [1] - Maun: MNHN: 2, NHMZ: 4, ROM: 12, USNM: 4 [22] - Maun, 12 km NE: NHMZ: 1 [1] - Maun,12 km NE: NHMZ: 1 [1] - Mopipi: NHMZ: 2 [2] - Moremi Game Reserve: NHMZ: 1 [1] - Moremi GR, Khwai R.: NHMZ: 2 [2] - Mumpswe Pan: NHMZ: 3 [3] - Musu: NHMZ: 1 [1] - Nata: NHMZ: 1, USNM: 1 [2] - Nata R: NHMZ: 2 [2] - Nata R.: NHMZ: 1 [1] - Ngoma, Chobe R.: NHMZ: 1 [1] - Nitani: TM: 1 [1] - Nokaneng, 21 km N: NHMZ: 1, USNM: 2 [3] - Nthane: NHMZ: 11 [11] - Nunga: NHMZ: 4 [4] - Nxai Pan: NHMZ: 1 [1] - Pandamatenga, 130 km SW: NHMZ: 1 [1] - Pandamatenga, 140 km SW: NHMZ: 1 [1] - Pom Pom: NHMZ: 6 [6] - Pom Pom Okovango: NHMZ: 1 [1] - Savuti R: NHMZ: 3 [3] - Savuti R.: NHMZ: 3 [3] - Sehitwa, 16 km SW: USNM: 3 [3] - Sehitwa, 22 km W: NHMZ: 3, USNM: 2 [5] - Sehitwa,16 km SW: NHMZ: 1 [1] - Selinda Spillway: NHMZ: 3 [3] - Sepopa: NHMZ: 4, USNM: 1 [5] - Serowe: NHMZ: 1 [1] - Serowe, 40 km NW: NHMZ: 3 [3] - Serowe,40 km NW: NHMZ: 1 [1] - Shakawe: NHMZ: 1, USNM: 1 [2] - Shakawe, 15 mi [=24 km] S: NHMZ: 2 [2] - Shakawe, 70 km SW: NHMZ: 4, USNM: 3 [7] - Shishikofa: NHMZ: 1 [1] - Shorobe: NHMZ: 1 [1] - Sokwana: NHMZ: 1 [1] - Sukwane, Botletle R.: NHMZ: 1 [1] - Sumsum: NHMZ: 1 [1] - Tamafupi, 33 km N: NHMZ: 2, USNM: 3 [5] - Toromoja: NHMZ: 1 [1] - Toten: USNM: 1 [1] - Tsabong: NHMZ: 1 [1] - Tsane: NHMZ: 2 [2] - Tsane, 32 km ENE: USNM: 1 [1] - Tsanogo: NHMZ: 1 [1] - Tsau: USNM: 1 [1] - Tsigara: NHMZ: 1 [1] - TsodiIo Hills: USNM: 1 [1] - Tsodilo Hills: NHMZ: 2 [2] - TsodIlo Hills: NHMZ: 1 [1] - Tsum Tsum: NHMZ: 3 [3] - Vloorskop: USNM: 1 [1] - Xugana: USNM: 11 [11] - Xugana, 11 km W: USNM: 1 [1] - Xugana, 17 km N: USNM: 2 [2 - **244**].

Burkina Faso: Unknown locality: BMNH: 9, SMF: 2 [11] - Bontioli: BMNH: 1 [1] - Comoe River: BMNH: 1 [1] - Fada Ngourma: MNHN: 1 [1] - Koumbia: MNHN: 2 [2] - Ouagadougou: MNHN: 1 [1] - Ouagadougou and Bobodioulasso, village between: MNHN: 11 [11] - Oursi: MNHN: 7 [7] - Tazawat: MNHN: 1 [1 - **36**].

Burundi: Bujumbura: SMF: 1 [1 - **1**].

Cameroon: Unknown locality: BMNH: 147, MNHN: 15, USNM: 1, ZMB: 1 [164] - Amban, 13 km S, 8 km E: CM: 1 [1] - Ayos: MNHN: 1 [1] - Ayos Road, Mvoutesi II [= MVE II]: ROM: 6 [6] - Bake River Bridge: CM: 1 [1] - Baro: CM: 1 [1] - Basho: ZMB: 1 [1] - Batouri district: NMV: 2 [2] - Biggil: MNHN: 1 [1] - Bitye: BMNH: 1 [1 [1] - Bokwango, near: BMNH: 1 [1] - Bota: BMNH: 1 [1 [1] - Buéa: BMNH: 2, ZMB: 1 [3] - Buea, near: BMNH: 6 [6] - Campo: MNHN: 2 [2] - Dijgan: MNHN: 3 [3] - Douala: SMNS: 1 [1] - Efulan: MNHN: 1 [1] - Efulén: NMV: 1 [1] - Eseka: AMNH: 1 [1] - Eshobe: BMNH: 1 [1] - Fenda: SMF: 3 [3 [1] - Isongo: ZMH: 1 [1] - Kong: MNHN: 1 [1] - Korup National Park: CM: 1 [1] - Kousri: MNHN: 1 [1] - Kribi: MNHN: 7 [7] - Kumba: ROM: 2 [2] - Kumba, 15 km S: ROM: 1 [1] - Kundja [=Koundja]: ZMB: 2 [2] - Lobe: BMNH: 1 [1] - Lomié: ROM: 1 [1] - Lomié, 40 km N: ROM: 1 [1] - Lulu: ZMB: 1 [1] - Mamfe: BMNH: 2 [2] - Manengouba, mount: MNHN: 3 [3] - Mawutu Village: ROM: 2 [2] - Mayuka: BMNH: 1 [1] - Mbalmayo road: MNHN: 9 [9] - M'Boumo: MNHN: 1 [1] - Metet: AMNH: 1, FMNH: 1 [1 [1] - Moba [stream]: ZMB: 1 [1] - Mount Cameroon: BMNH: 1 [1] - Mount Kupe: ZFMK: 1 [1] - Musaké: MNHN: 3 [3] - Ndjolé: MNHN: 1 [1] - Ngaoundéré, 85 km S: MNHN: 1 [1] - Njombo River: ROM: 7 [7] - Nki National Park: HNHM: 1 [1] - Obala, 12 km S, 4 km E: ROM: 2 [2] - Ototomo: MNHN: 1 [1] - Rumysi Hilus: ZFMK: 1 [1] - Tibati: BMNH: 1 [1] - Tombel: BMNH: 1 [1] - Victoria: BMNH: 2 [2] - Waza: MNHN: 1 [1] - Yaounde: ZMB: 1 [1] - Yaoundé: MNHN: 14 [14] - Yaoundé, 150 km from, on Yoko road: MNHN: 7 [7] - Yokadouma, near: MNHN: 1 [1] - Yoko, 34 km S: ROM: 1 [1] - Yoko, 5 km from: MNHN: 4 [4] - Yoko, 5 km S: MNHN: 1 [1 - **24** - **276**].

Canary Islands (Spain): Unknown locality: BMNH: 11 [11] - Reserva Los Tilos: EBD: 1 [1 - **12**].

Cape Verde: Fogo isalnd: BMNH: 2, MZUF: 2 [4] - Maio Island: MNHN: 2 [2] - Pedra Badejo: MNHN: 3 [3] - Santiago island, Trindade: MNHN: 1 [1] - Santo Antão island, Ribeira Grande: MZUF: 2 [2] - São Vicente island: MZUF: 3 [3] - St. Filippe: BMNH: 1 [1] - Vila do Maio, 2 km N: MNHN: 1 [1 - **17**].

Central African Republic: Unknown locality: BMNH: 13, MNHN: 9 [22] - Bambari: MNHN: 7 [7] - Bangoran: MNHN: 34 [34] - Bangui: LACM: 1, MNHN: 482 [1 [482] - Bangui area: MNHN: 1 [1] - Bangui or Boukoko: MNHN: 37 [37] - Bolé cave: MNHN: 1 [1] - Boukoko: MNHN: 76 [76] - Boukoko or La Maboké: MNHN: 139 [139] - Bozo: MNHN: 2 [2] - Dzanga-Sangha Forest Reserve: AMNH: 1, MNHN: 1 [2] - Gordil: MNHN: 5 [5] - Gounda: MNHN: 8 [8] - Kemo, Upper: MNHN: 1 [1] - Koumbala: MNHN: 39 [39] - La Maboké: LER: 1, MNHN: 135 [136] - La Maboké area: MNHN: 2 [2] - Manovo: MNHN: 2 [2] - Mbaéré-Bodingué Reserve: MNHN: 1 [1] - M'Baiki: MNHN: 4 [4] - N'Delé: MNHN: 1 [1] - N'Délé: MNHN: 2 [2] - Ngotto forest: Rennes: 1 [1] - Nola region: MNHN: 1 [1] - Nzouani-Muya cave: MNHN: 3 [3] - Oubangui, Upper: MNHN: 1 [1] - Ouham, near: MNHN: 1 [1] - Roubi River banks: MNHN: 1 [1] - Sangha: MNHN: 92 [92] - Zouari-Muyo cave: MNHN: 3 [3 - **1** - **1107**].

Chad: Unknown locality: BMNH: 2, SMF: 3 [5] - Ennedi: MNHN: 3 [3] - Fort Archambault: MNHN: 1 [1] - Fort Lamy: MNHN: 9 [9] - Melfi: SMF: 1 [1] - N'Djamena: MNHN: 4 [4] - Sarh: MNHN: 2 [2 - **1** - **24**].

Comoros: Unknown locality: FMNH: 3, MNHN: 2 [5] - along Mroni Koki River: MHNG: 1 [1] - Anjouan Island: BMNH: 7, FMNH: 1, MHNG: 1, MNHN: 8, ZMB: 1 [7 [11] - between Moya and Pomoni, Bouélaouvanga Tunnel along RN 23: FMNH: 1 [1] - Boboni, cave near: ZFMK: 1 [1] - couloir souterrain et grotte sous coulée de Lave Niombadjée: HZM: 2 [2] - Fassi: FMNH: 2 [2] - Grand Comoro Island: BMNH: 1 [1] - Nioumbadjou cave: MNHN: 5 [5 [5] - no specific locality: BMNH: 3 [3] - Panga Chilamoviani, cave: EBD: 2 [2] - Union des Comores: FMNH: 8 [8 - **16** - **38**].

Congo: Unknown locality: MHNG: 1, MNHN: 2, SMF: 198 [201] - Boulankio: MNHN: 2 [2] - Brazzaville: MNHN: 51 [51] - Dimonika: MNHN: 43, UMNG: 7 [50] - Doumboula [cave]: MNHN: 5 [5] - Inhumbane: BMNH: 1 [1] - Kimanika: MNHN: 3 [3] - Kimanika cave: MNHN: 10 [10] - Majumba: MNHN: 3 [3] - Matounidi cave: MNHN: 1 [1] - Maya cave: MNHN: 5 [5] - Mbamou Island: MNHN: 4 [4] - Mboko: MNHN: 1 [1] - Méya cave: MNHN: 2 [2] - Meya-Nzouari,cave: MNHN: 10 [10] - OdzalaNational Park: MNHN: 2 [2] - Pointe-Noire: ZMA: 1 [1] - Sibiti: MNHN: 12 [12] - Stanley pool: MNHN: 10 [10 - **1** - **373**].

Congo (Democratic Republic of the): Unknown locality: BMNH: 54, MNHN: 2, RBINS: 13, RMNH: 1, UNIKIS: 58 [128] - Abatupi river: INPBC: 12 [12] - Albert National Park: INPBC: 38 [38] - Albertville: RBINS: 1 [1] - Amatupi river: INPBC: 1 [1] - Avakubi: NMW: 1 [1] - Bagbele: INPBC: 3 [3] - Bagbele Moko: RBINS: 1 [1] - Bagunda: INPBC: 1 [1] - Bauelendu: INPBC: 2 [2] - Biangolo: INPBC: 1 [1] - Bongandjola: MNHN: 2 [2] - Bongeya river: INPBC: 3 [3] - Bugara: INPBC: 10 [10] - Bulaya: INPBC: 10 [10] - Bumali: INPBC: 3 [3] - Bunyangura: INPBC: 33 [33] - Bunyenzi: INPBC: 23 [23] -

Busholinka river: INPBC: 1 [1] - Bwirina: INPBC: 7 [7] - Cel I: INPBC: 1 [1] - Cel II: INPBC: 10, RBINS: 1 [11] - Djelube river, lower: INPBC: 2, RBINS: 1 [3] - Djelube river, middle: INPBC: 2 [2] - Djemba: INPBC: 18 [18] - Djomba: INPBC: 13 [13] - Djumma river, upper: INPBC: 1 [1] - Dungu: RBINS: 18 [18] - Edouard,lac: RBINS: 1 [1] - Equateur: SMF: 5 [5] - Faradje: UNIKIS: 18 [18] - Fuko: INPBC: 4 [4] - Gahama: INPBC: 3 [3] - Gangala na Bodio: INPBC: 1, RBINS: 2 [3] - Garamba National Park: INPBC: 1 [1] - Geramihasha: INPBC: 1 [1] - Hoyo, Mount: INPBC: 1 [1] - Ihunga-Semliki confluence: INPBC: 3 [3] - Ikela: BMNH: 1 [1] - Ilimba: INPBC: 10 [10] - Inkongo: BMNH: 1 [1] - Irangi: SMF: 1 [1] - Irumu: INPBC: 1 [1] - Ishango river: INPBC: 148 [148] - Ishango-Nyakazi: INPBC: 1 [1] - Issehe river: INPBC: 1 [1] - Ituri Forest: BMNH: 1 [1] - Ituri River: BMNH: 3 [3] - Kabakuli river: INPBC: 1 [1] - Kabambi: INPBC: 4 [4] - Kabemba: INPBC: 1 [1] - Kaboyaboya cave: MHNG: 1 [1] - Kadehe: INPBC: 19 [19] - Kadjidji: MNHN: 1 [1] - Kahama: INPBC: 15 [15] - Kakondo: NMP: 1 [1] - Kalehe territory: BMNH: 1 [1] - Kalenda [Kasai]: RBINS: 1 [1] - Kamande: INPBC: 1 [1] - Kambemba: INPBC: 1 [1] - Kambukabakali: INPBC: 19 [19] - Kamikoni: INPBC: 1 [1] - Kamohorora: INPBC: 3 [3] - Kando, cave: MHNG: 1 [1] - Kantundwe: INPBC: 31 [31] - Kanyatsi: INPBC: 1 [1] - Kanyawamukunzi river: INPBC: 3 [3] - Kanzarue river: INPBC: 9 [9] - Kanzenze mission: RBINS: 2 [2] - Kasaka: INPBC: 1 [1] - Kasenyi: INPBC: 1 [1] - Kashwa: INPBC: 1 [1] - Kasindi: INPBC: 3 [3] - Kassi river: INPBC: 1 [1] - Katana: MNHN: 2 [2] - Katanda: INPBC: 6 [6] - Keyberg: RBINS: 1 [1] - Kiavikire: INPBC: 1 [1] - Kikura: INPBC: 1 [1] - Kikwit: TM: 3 [3 [20] - Kilia Kaparata: INPBC: 1 [1] - Kilinga: INPBC: 7 [7] - Kisala: INPBC: 1 [1] - Kisisile: INPBC: 17 [17] - Koloka: ZMH: 1 [1] - Kumi: RMNH: 1 [1] - Kyavinionge: INPBC: 1 [1] - Lake Moero: RMCA: 1 [1] - Leopold 2nd Lake: BMNH: 1 [1] - Lomera: INPBC: 3 [3] - Lonzo: INPBC: 14 [14] - Lufu: RBINS: 1 [1] - Luluabourg: BMNH: 4, ZMB: 2 [4 [2] - Lume river, near: INPBC: 1 [1] - Lusano & KKK Zones: DNSM: 1 [1] - Mabereri river: RBINS: 1 [1] - Maginda: INPBC: 1 [1] - Mahyusa Cave: BMNH: 2 [2] - Makayova river: INPBC: 1 [1] - Makayova river, lower: INPBC: 2 [2] - Malulu: INPBC: 1 [1] - Mamudioma: INPBC: 1 [1] - Mangbwelu river: INPBC: 1 [1] - Marion, lake: INPBC: 1 [1] - Marungu: NMZL: 2 [2] - Masimengo: INPBC: 2 [2] - Masombwe: RBINS: 2 [2] - Matupi Cave: INPBC: 1 [1] - Mayumbe: MNHN: 1, RBINS: 1, RMCA: 2 [4] - Mbandaka: RBINS: 1 [1] - Mbiye, island: MNHN: 3 [3] - Mboga: BMNH: 6 [6] - Melume: MNHN: 7 [7] - Mount Wago: RBINS: 3 [3] - Mpala: INPBC: 2, RBINS: 2 [4] - Mugongo: INPBC: 2 [2] - Mulala: INPBC: 1 [1] - Murambi: INPBC: 18 [18] - Musanze-Djomba: INPBC: 9 [9] - Museya: INPBC: 1 [1] - Musonge: SMF: 1 [1] - Musugeriza river: INPBC: 7 [7] - Mutsora: INPBC: 11 [11] - Mutwanga: INPBC: 1 [1] - Muvo, mount: INPBC: 5 [5] - Muyrimbo: INPBC: 35 [35] - Mwiga: INPBC: 3 [3] - Nagero: RBINS: 1 [1] - Nakpanga: INPBC: 1 [1] - Nambiliki / Dungu: INPBC: 2 [2] - Ndote: INPBC: 2 [2] - Ndotwe: INPBC: 2 [2] - Niam-Niam: RBINS: 1 [1] - N'soro: BMNH: 1 [1] - Nyabikere: INPBC: 40 [40] - Nyabitembe river: INPBC: 6 [6] - Ondo, lake: INPBC: 3 [3] - Rodahira: INPBC: 13 [13] - Ruanoli-Mavea confluence: INPBC: 2 [2] - Rumangabo: INPBC: 8 [8] - Rumanura river: INPBC: 7 [7] - Rumoka: INPBC: 1 [1] - Rutshuru: INPBC: 462, RBINS: 1 [463] - Rwere Rwindi: INPBC: 3 [3] - Rwindi: INPBC: 50 [50] - Samboko river: INPBC: 1 [1] - Senga: INPBC: 1 [1] - Sukisa: MNHN: 5 [5] - Taere river: INPBC: 1 [1] - Talatala: RBINS: 1 [1] - Tanganyika, Congo shore of lake: RBINS: 1 [1] - Tantara cave: RBINS: 1 [1] - Tore: RBINS: 1 [1] - Tshebahu: INPBC: 2 [2] - Vitshumbi: RBINS: 3 [3] - Volcan du Kivu: MNHN: 1 [1] - Yaengo: MNHN: 3 [3] - Yalosemba: CM: 3 [3] - Yatolema: MNHN: 5 [5] - Yoko: MNHN: 5, UNIKIS: 4 [9] - Zemio: RBINS: 1 [1] - Zobia: RBINS: 13 [13 - **25** - **1544**].

Côte d'Ivoire: Unknown locality: BMNH: 2, HZM: 2, MHNG: 1, MNHN: 105, ORSTOM: 10, SMF: 20, USNM: 7 [147] - Abengourou: MNHN: 1 [1] - Abidjan: BMNH: 1 [1] - Adiopodoumé: MNHN: 25 [25] - Assinie: MNHN: 8 [8] - Azagny National Park: MNHN: 10 [10] - Banco Forest: USNM: 5 [5] - Bingerville: MNHN: 1 [1] - Bolo: MNHN: 5, ORSTOM: 11 [16] - Bouaké: MNHN: 1 [1] - Bouna: USNM: 1 [1] - Divo: MNHN: 13 [13] - Duekoué: MNHN: 1 [1] - Duékoué: USNM: 1, ZMA: 1 [2] - Fetekro: USNM: 1 [1] - Gboyo village: MNHN: 1 [1] - Gopoupleu: MNHN: 1 [1] - Guidéko: MNHN: 1 [1] - Ivory Coast: MNHN: 1 [1] - Jackeville-Bingerville: MNHN: 2 [2] - Japo Sud: USNM: 1 [1] - Kahin: USNM: 1 [1] - Konankoffikro: MNHN: 6, ORSTOM: 14 [20] - Kpaboko: MNHN: 3 [3] - Lamto: HZM: 1 [1] - Lamto Ecology Station: MNHN: 102, ORSTOM: 1 [103] - Lamto Reserve: MNHN: 3 [3] - Lamto, 3 km from: MNHN: 1 [1] - Mount Nimba: MNHN: 2 [2] - Pakobo: MNHN: 6 [6] - Parc National de Mont Peko: ROM: 1 [1] - Parc National de Tai: ROM: 1 [1] - Pelotes: MNHN: 2 [2] - Sassandra River: USNM: 11 [11] - Sibabli: ROM: 2 [2] - Tule: USNM: 1 [1] - Yabrasso: USNM: 1 [1] - Zebé or Zégbé: MNHN: 1 [1 - **26** - **374**].

Djibouti: Unknown locality: MNHN: 3 [3] - Ambouli State Gardens: MNHN: 1 [1] - Obock: MNHN: 5 [5] - Somali française: MNHN: 1 [1 - **10**].

Egypt: Unknown locality: BMNH: 259, HNHM: 1, MNHN: 17, OMNH: 4, RMNH: 21, SAMA: 1, SMF: 9, SMNS: 4, SMTD: 1, WAM: 2, YPM: 7, ZMA: 1, ZMB: 2, ZMH: 1 [14 [330] - Abu Rihal, W of: NMP: 1 [1] - Abu Roash: SMF: 4 [4] - Baryeh Oasis: MNHN: 3 [3] - Bawiti: NMP: 2 [2] - Cairo: BMNH: 3, NMV: 1, SAMA: 2, SMF: 1 [4 [4] - El A'aqab: NMP: 1 [1] - El Tur: ZMB: 1 [1] - Giza: BMNH: 4 [4 [1] - Giza [=Gizeh]: Restricted from "Egypt" to Giza: MNHN: 1 [1] - Giza Pyramid: MNHN: 1 [1] - Giza Pyramids: CAS: 5 [5] - Gizeh: BMNH: 1, CM: 1, MCZ: 2 [4] - Helvan [=Helwan]: ZMB: 1 [1] - Kom Ombo: MNHN: 1 [1] - Luxor, near: MNHN: 2 [2] - Nile: BMNH: 4, USNM: 1 [5] - Siwa Oasis: NMP: 1 [1] - Suez: HZM: 1, SMF: 1 [1 [1] - Suez, Isthmus: MNHN: 1 [1] - Thebe: BMNH: 1 [1] - Thebes: MNHN: 5, SAMA: 6 [11] - Um Hashiba: TAU: 1 [1] - Upper Egypt: BMNH: 1, NMW: 1 [2 - **27** - **381**].

Equatorial Guinea: Unknown locality: BMNH: 14, MNHN: 2 [16] - Banlesbeni: BMNH: 4 [4] - Benito: BMNH: 1 [1] - Benito River: BMNH: 1 [1] - Benito River, 15 km from mouth: BMNH: 1 [1] - Bilelifri: BMNH: 1 [1] - Bioko Island: BMNH: 2, SMF: 2 [4] - Elloby: BMNH: 1 [1] - Fernando Po: SMF: 1, ZFMK: 1 [2] - Fernando Poo: BMNH: 14 [14] - Malabo: EBD: 1 [1] - Niefang: EBD: 1 [1] - Nvuba river: EBD: 2 [2] - Río Muni: EBD: 2 [2] - Río Nocong: EBD: 2 [2] - San Benito: MNHN: 1 [1] - San Joaquin de Ndyiacon: EBD: 1 [1] - Santa Isabel: BMNH: 2 [2] - Victoria: MNHN: 1 [1 - **22** - **36**].

Eritrea: Unknown locality: BMNH: 4, MCZ: 1, USNM: 1 [1 [5] - Adi Kaie [= Adi Caie]: MZUF: 4 [4] - Agordat: MZUF: 7 [7] - Dongollo Basso: MZUF: 1 [1] - Keren: MSNG: 1 [1] - Massawa: BMNH: 1 [1] - Zeriba Ambarab: MSNG: 1 [1 - **4** - **17**].

Ethiopia: Unknown locality: BMNH: 680, MCZ: 2, MNHN: 5, RMNH: 1, SMF: 5, USNM: 1 [694] - Abaya lake, W bank: MNHN: 14 [14] - Abaya, lake: MNHN: 1 [1] - Abyssinia: MNHN: 7, SMF: 1, ZMB: 2 [1 [9] - Addis Ababa and Lake Rudolf, between: USNM: 1 [1] - Addis Abeba: BMNH: 1, MNHN: 1 [2] - Addis Alem: MNHN: 1 [1] - Afallo: MHNG: 1 [1] - Alemaya: ROM: 8 [8] - Awash: BMNH: 1 [1] - Beletta forest: ZMMU: 2 [2] - between Shoa and Lake Rudolf: BMNH: 1 [1] - Bishan Waka Lake, E side shore: BRTC: 1 [1] - Bulcha Forest: BMNH: 4 [4] - Coccia: ZMMU: 1 [1] - Dag Island: BMNH: 1 [1] - Didessa River: BMNH: 3 [3 [3] - Didessa River mouth: BMNH: 1 [1] - Dinsho: MNHN: 4 [4] - Djem-djem Forest: BMNH: 1 [1] - Donkam River: BMNH: 2 [2] - Gambela: BMNH: 22, ZFMK: 2 [2 [22] - Gambela Hizboch region [=Gambela region]: SMF: 2 [2] - Ghinda: MSNG: 1 [1] - Ghinir, 10 km from: MNHN: 1 [1] - Ghinir, 7 km from: MNHN: 3 [3] - Goba: NMP: 1 [1] - Goba, 3 mi S: BMNH: 1 [1] - Gondar: MNHN: 3 [3] - Harrena Forest: NMP: 1 [1] - Hirna: MNHN: 1 [1] - Kapseta: MNHN: 1 [1] - Koffolé: MNHN: 2 [2] - Koka: BMNH: 6 [6] - Kulfo river: HZM: 3 [3] - Lalibéla: MNHN: 7 [7] - Let Marefia: MSNG: 1 [1] - Metu: NMP: 2 [2] - Nechisar National Park: HZM: 1 [1] - Negheli: MNHN: 1 [1] - Neghelli: MNHN: 1 [1] - Omo valley: MNHN: 3 [3] - Schoa: SMF: 2 [2] - Shibe-Tolley: NHMZ: 1 [1] - Shoa: BMNH: 1 [1] - Sidam-Bale bridge: BMNH: 1 [1] - Sirba: BMNH: 2 [2] - Sof Omar cave: HZM: 6, NMP: 8 [14] - Sof-Omar: MNHN: 9 [9 - **22** - **831**].

France: Charlemont: MNHN: 1 [1 - **1**].

Gabon: Unknown locality: AMNH: 1, BMNH: 1, DNSM: 1, MCZ: 2, MNHN: 2, SMF: 1, ZMA: 1 [1 [17] - Anengué, lake: MNHN: 2 [2] - Bas Ogooué: MNHN: 1 [1] - Batouala: MNHN: 16 [16] - Batouala cave: MNHN: 3 [3] - Batouala or Bélinga: MNHN: 1 [1] - Bélinga: MNHN: 76, ZMA: 1 [1 [76] - Bengoué: MNHN: 13 [13] - Booué: BMNH: 2, MNHN: 4 [2 [4] - Cape Lopez: USNM: 2 [2] - Como River: MNHN: 3, ROM: 1 [4] - Estuaire Province: CM: 1 [1] - Fernan Vaz: FMNH: 1 [1] - Franceville: MNHN: 2 [2] - Franceville, near: MNHN: 1 [1] - Grotte de Faucon: MNHN: 4 [4] - Ivindo National Park: MNHN: 15 [15] - Kango: MNHN: 1 [1] - La Mouila: MNHN: 1 [1] - Lambarene: BMNH: 1, MNHN: 1 [1 [1] - Lambaréné: MNHN: 4 [4] - Lastoursville: MNHN: 3 [3] - Makokou: MNHN: 29, ZMA: 1 [1 [29] - Makokou, near: MNHN: 1 [1] - Malimba: SMNS: 1 [1] - Mekouba: MNHN: 1 [1] - Mitzic: BMNH: 4 [4] - Mouila: MNHN: 7 [7] - Ngomo: MNHN: 1 [1] - N'gomo-Ogooué: MNHN: 1 [1] - Ogooué, near: MNHN: 2 [2] - Samkitta: MNHN: 1 [1] - Sette Cama: MNHN: 1 [1 - **12** - **216**].
Ghana: Unknown locality: BMNH: 281, CUMV: 1, SMF: 11 [293] - Aburi: BMNH: 3 [3] - Achimota: BMNH: 1 [1] - Agogo: BMNH: 2 [2] - Agogo, 1 mi W: BMNH: 1 [1] - Ahiriso: USNM: 1 [1] - Akoso Mbo: BMNH: 3 [3] - Apesokubi, 4.5 km N: SMF: 2 [2] - Avetile: USNM: 2 [2] - Banda: BMNH: 3 [3] - Berekuso, 1 mi N: USNM: 1 [1] - Bibianaha: BMNH: 1 [1 [3] - Bibiani: BMNH: 1 [1] - Bimpong Forest Reserve: BMNH: 1 [1] - Boi-Tano FR, cocoa plantation adjacent to forest edge: ZFMK: 5 [5] - Boi-Tano FR, reserve boundary line: ZFMK: 1 [1] - Boutry River: RMNH: 1 [1] - Butre: USNM: 4 [4] - Cape Coast: BMNH: 1 [1] - Dadoya, 7 mi W: BMNH: 3 [3] - Draw River Forest Reserve: ZFMK: 1 [1] - Draw River FR: ZFMK: 4 [4] - Dunkwa: ROM: 1 [1] - Elmina: ZMB: 1 [1] - Gambaga: BMNH: 1 [1 [1] - Gold Coast [=Goldküste]: ZMB: 2 [2] - Greate Accra Region: CM: 3 [3] - Gukstenar: BMNH: 1 [1 [2] - Javiefe: BMNH: 1 [1] - Jukwa: BMNH: 4 [4] - Kade, 6 mi [=9.7 km] N: USNM: 1 [1] - Kade, 6 mi [=9.7 km] NW: USNM: 2 [2] - Krokosua Hills Forest Reserve: ZFMK: 8 [8] - Kumasi: BMNH: 9, NMBA: 1 [10 [8] - Kwabenya: BMNH: 1 [1] - Legion Folly: BMNH: 1 [1] - Mole National Park: BMNH: 4 [4] - Nkawkaw: USNM: 6 [6] - Nkawkaw, 1 mi [=1.6 km] N: USNM: 1 [1] - Northern Region: CM: 4 [4] - Oda: BMNH: 1, USNM: 45 [46] - Prestea, 32 mi W: USNM: 1 [1] - Sakpa: USNM: 2 [2] - Sefwi Asemparaye: BMNH: 14 [14] - Shai Hills Resources Reserve, North End: CM: 7 [7] - Sogakofe: BMNH: 1 [1] - St. George d'Elmina: ZMA: 1 [1] - Suhum, 2.4 mi E: USNM: 1 [1] - Takoradi: BMNH: 4 [4] - Tinkong, 3 mi NW: USNM: 1 [1] - Todzi: BMNH: 2 [2] - unspecified locality: WAM: 1 [1 - **52** - **430**].
Guinea: Unknown locality: MNHN: 3 [3] - Conakry: MNHN: 12 [12] - Keoulenta: MNHN: 1 [1] - Kindia: MNHN: 9 [9] - Kouroussa: MNHN: 2 [2] - Kouroussa region: MNHN: 1 [1] - Kouroussa, near: MNHN: 1 [1] - Macenta: MNHN: 1 [1] - Mamou: MNHN: 1 [1] - Mount Nimba: MNHN: 18 [18] - Mount Nimba?: MNHN: 4 [4] - Mt. Nimba: MHNG: 3 [3] - Niomouya River: MNHN: 1 [1] - Park National du Haut Niger: ZFMK: 7 [7] - Sérédou: MNHN: 16 [16] - Soumba o Dubreka: EBD: 3 [3] - Yomou: MNHN: 6 [6] - Ziéla: MNHN: 35 [35] - Zouguépo: MNHN: 6 [6 - **130**].
Guinea-Bissau: "Bissao Senegambia": BMNH: 1 [1] - Enchalé: MNHN: 1 [1] - Madina Boé: MNHN: 2 [2] - Mansoa: MNHN: 2 [2] - Sama: MNHN: 1 [1 - **7**].
Israel: West Bank: TTU: 1 [1 - **1**].
Kenya: Unknown locality: BMNH: 1, DNSM: 1, FMNH: 5, KU: 1, MNHN: 9, RMNH: 14, ROM: 1, SMF: 1, USNM: 10, WAM: 1, YPM: 9 [2 [967] - Arabuko-Sokoke Forest: LACM: 3 [3] - Baringo, 30 mi NW: BMNH: 1 [1] - Bura: LACM: 13 [13] - Bushwacker's Safari Camp: CM: 3 [3] - Chanler Falls [=Chandler's Falls]: BMNH: 1 [1] - Cherangani Hills: BMNH: 1 [1] - Chyulu Hills National Park: SMNS: 2 [2] - Coast [former] province: CM: 2 [2] - Eastern [former] province: CM: 1, SMF: 1 [1 [2] - Fort Hall [=Muranga]: USNM: 1 [1] - Gedi: WAM: 1 [1] - Hoey's bridge: BMNH: 6 [6] - Isiolo: LACM: 1, ROM: 1 [2] - Ithundu cave: NMK: 6 [6] - Kaibibich: BMNH: 1 [1] - Kakamega district: CM: 5 [5] - Kakamega Forest: HZM: 1, LACM: 7, ROM: 3 [7 [4] - Kakamega, 5 km S, 16 km E: CM: 2 [2] - Kampi ya Moto: HZM: 1 [1] - Kangatet: BMNH: 1 [1] - Kanyangareng: ROM: 2 [2] - Kapseta: MNHN: 9 [9] - Kapsowar: HZM: 1 [1] - Karibiti: CM: 4 [4] - Kedong Valley: MNHN: 5 [5] - Kiboboko River: ROM: 1 [1] - Kibwezi, near: HZM: 1 [1] - Kilaguni Lodge: ROM: 1 [1] - Kinna: CAS: 1, LACM: 5 [5 [1] - Kisumu: MNHN: 1 [1] - Kitale, 25 mi [=40 km] NW: CAS: 2 [2] - Kitum cave: SMF: 1 [1] - Koru: BMGD: 1 [1] - Kwale district: CM: 1, TTU: 1 [2] - Kwale, 7 km S, 8 km W: CM: 1 [1] - Kyanbym: BMNH: 1 [1] - Lake Baringo: NMK: 1 [1] - Lake Hannington: WAM: 2 [2] - Lake Victoria: BMNH: 1 [1] - Lesukut Island: WAM: 1 [1] - Lokori: BMNH: 1 [1] - Lukenya, mount: WAM: 1 [1] - Makandara picnic site: CM: 1 [1] - Makindu, 35 km E: ROM: 1 [1] - Makindu, Upper cave: ROM: 1 [1] - Malindi: USNM: 1 [1] - Malindi, 30 mi N: BMNH: 1 [1] - Mara River: ROM: 4 [4] - Masol Location: ROM: 1 [1] - Maungu: ROM: 1 [1] - Maungu [= Marungu]: ROM: 2 [2] - Maungu Hill: NHMZ: 1 [1] - Mombasa: BMNH: 8, MNHN: 4 [12] - Mombassa: MNHN: 2 [2] - Morok River: ROM: 1 [1] - Mt. Elgon: BMNH: 1 [1] - Mukanda Stream: ROM: 1 [1] - Nairobi: CAS: 1, MNHN: 1 [2] - Nairobi-Mombassa road, mile 96 [= km 154]: MNHN: 2 [2] - Nakuru: CAS: 2 [2] - Namanga: ROM: 1 [1] - Nanyuki: CM: 1, ROM: 1 [2] - Ndi: BMNH: 1 [1] - NE Cherangani Hills, Kipsain river: HZM: 1 [1] - Ngombeni: SMF: 23 [23] - Nguruman Escarpment: ZMB: 2 [2] - North Nandi Forest: NMW: 1 [1] - Northern Guaso Nyiro: BMNH: 1 [1] - Northern Guaso Nyiro, Nanyuki river: USNM: 1 [1] - Nyeri: HZM: 2 [2] - Ortum: ROM: 11 [11] - Rabai: BMNH: 1 [1] - Rift Valley: CM: 2 [2] - Rongai, 5 km S: ROM: 1 [1] - Sabatia: NMK: 1 [1] - Shimu Na Kitu: MNHN: 2 [2] - Sigor: CM: 2, WAM: 1 [3] - Sokoke Forest: WNMU: 1 [1] - Suam River: ROM: 4 [4] - Suswa caves: BMNH: 1 [1] - Tambalal Falls: ROM: 6 [6] - Tana River: LACM: 2 [2] - Taveta, 3 km E: CM: 2 [2] - Trans Nzoia district: NMK: 1 [1] - Turkwell: BMNH: 2 [2] - Turkwell Gorge: ROM: 1 [1] - Voi, 30 km SE: ROM: 2 [2] - Wacoumbas cave: MNHN: 1 [1] - Watamu: AMS: 1 [1] - Wei Wei River: BMNH: 5, LACM: 4, ROM: 5 [14] - Wei Wei River bridge: CM: 2 [2] - Western: CM: 1 [1] - Western province: CM: 1 [1] - Yala river: BMNH: 5 [5 - **61** - **1160**].
Lesotho: Unknown locality: BMNH: 9 [9] - Botsoela [= Malealea]: NMB: 2 [2] - Holomo: NMB: 2 [2] - Marakabei: NMB: 2 [2] - Quthing: NMB: 7 [7 - **22**].
Liberia: Unknown locality: BMNH: 142, DNSM: 16, RMNH: 1, SMF: 32, ZMA: 1 [192] - Bentor: DNSM: 1 [1] - Camp III: MNHN: 2 [2] - Grand Bassa: BMNH: 1 [1] - Harbel: LACM: 1 [1] - Mount Nimba: AMS: 1, BMNH: 2, DNSM: 25, MNHN: 4, RBINS: 3 [3 [32] - Nanna Kru: BMNH: 2 [2] - New Camp Forest: MNHN: 1 [1] - Teayee: BMNH: 3 [3] - Wreppoosta: ZMB: 1 [1] - Yekepa, near: DNSM: 1 [1 - **8** - **232**].
Libya: Unknown locality: BMNH: 12, NMP: 2 [14] - Ain Az Zarqa: NMP: 1 [1] - Al Abyar: NMP: 1 [1] - Al Fjayj: NMP: 1 [1] - Ar Sharsharah: NMP: 2 [2] - Beida: NMW: 13 [13] - Gabrun: NMP: 5 [5] - Germa: NMP: 1 [1] - Karkurah: NMP: 1 [1] - Leptis Magna: NMP: 2 [2] - Murzuk: SMF: 1 [1] - Nanatalah: NMP: 2 [2] - Quasr Shadane: NMW: 4 [4] - Sabratah: NMP: 3 [3] - Tokrah: NMP: 1 [1 - **1** - **51**].
Macedonia: Unknown locality: MHNG: 1 [1 - **1**].
Madagascar: Unknown locality: AMNH: 1, BMNH: 5, FMNH: 1, MCZ: 1, MNHN: 12, RMNH: 6, SMF: 7, TM: 2, UADBA: 199, USNM: 1, ZMB: 2 [12 [307] - along Antsahabe River: FMNH: 1 [1] - Ambadiramique: MNHN: 1 [1] - Ambalavao: FMNH: 1 [1] - Ambanizana: FMNH: 9 [9] - Ambatobe, W slope mount: FMNH: 3 [3] - Ambatofinandra: MNHN: 1 [1] - Ambatoharanana cave: FMNH: 11 [11] - Ambatolampy: MNHN: 1 [1] - Ambinany-Lalangy: FMNH: 2 [2] - Ambinda: FMNH: 8, UADBA: 6 [14] - Ambodi Mangy: MNHN: 1 [1] - Ambodiamontana: FMNH: 1 [1] - Ambodiriana: ROM: 2 [2] - Ambohijanahary Mountain: FMNH: 1, UADBA: 1 [2] - Ambohimirija caves: MNHN: 16 [16] - Ambohitantely: FMNH: 4, UADBA: 8 [12] - Ambohitantely Special Reserve: FMNH: 1 [1] - Ambondramamy: FMNH: 1 [1] - Ambositra: BMNH: 1 [1]

- Ambotelafer: MNHN: 1 [1] - Ambovondramanesy: UADBA: 2 [2] - Ambre, mount: MNHN: 1 [1] - Ampijoroa: MNHN: 8, UADBA: 1 [9] - Ampijoroa forest: MNHN: 14 [14] - Ampijoroa, lake: MNHN: 1 [1] - Ampitabe: FMNH: 1 [1] - Ampotaka: BMNH: 2 [2] - Analamazaotra forest, Périnet: MNHN: 1, ROM: 1 [2] - Andakaty, cave [=Grotte d'Andakaty]: FMNH: 8 [8] - Andalabezo cave: MNHN: 3 [3] - Andalambeze cave: MNHN: 2 [2] - Andapa: FMNH: 1 [1] - Andasibe: FMNH: 1 [1] - Andavadrano: FMNH: 2 [2] - Andavakoera: FMNH: 1 [1] - Andlavaka: FMNH: 1 [1] - Andlavakarano: FMNH: 1 [1] - Andlavakarano: FMNH: 2 [2] - Andrafiabe, 3.5 km SE: FMNH: 6 [6] - Andranomandroy: MNHN: 2 [2] - Andranomathy cave: MNHN: 1 [1] - Andranomboalavo: FMNH: 1 [1] - Andrarabarikely: FMNH: 9 [9] - Andringitra National Park: FMNH: 3 [3] - Androimpano caves: FMNH: 3 [3] - Angodongodona, 6.5 km ESE: FMNH: 1 [1] - Anjajavy, 18.5 km S: FMNH: 2 [2] - Anjajavy, 26.5 km SW: FMNH: 3 [3] - Anjajavy, 3 km NE: FMNH: 7 [7] - Anjajavy, 4 km NE: FMNH: 1 [1] - Anjanaharibe sud: FMNH: 1 [1] - Anjiro: MNHN: 2 [2] - Anjohibe cave: UADBA: 2 [2] - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], NCC-1 deposit: UA: 5 [5] - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], OLD SE deposit: UA: 19 [19] - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], SS2 deposit: UA: 9 [9] - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], TW-10 deposit: UA: 629 [629] - Anjohitantely: UADBA: 3 [3] - Anjoky cave: MNHN: 1 [1] - Ankarana: FMNH: 2, MNHN: 3, UADBA: 5 [10] - Ankarara forest: MNHN: 1 [1] - Ankazoata, W of: MNHN: 1 [1] - Ankazobe: FMNH: 2 [2] - Ankazomborona: FMNH: 1 [1] - Ankidrodoa: FMNH: 7 [7] - Ankiliabo, 11 km SSE: FMNH: 2 [2] - Anorontsanga: BMNH: 3 [3] - Anorotsangana: MNHN: 2 [2] - Antafinimihakatra: UADBA: 1 [1] - Antanamarina: FMNH: 1 [1] - Antananarivo: ROM: 1 [1] - Antanimbary: FMNH: 1 [1 [1] - Antsahabe forest: FMNH: 3 [3] - Antsahabe River, near village of Ankijabe: FMNH: 2 [2] - Antsiranana province: FMNH: 2 [2] - Antsiranana, near: MNHN: 2 [2] - Antsohihy: UADBA: 1 [1] - Anzahameru: BMNH: 1 [1] - Bas Mangoky agricultural station: MNHN: 1 [1] - Beanka forest: UADBA: 1 [1] - Beforona, bureau de poste: FMNH: 10 [10] - Beforona, école CEG: FMNH: 2 [2] - Beforona, ex hotel villa Martin'son: FMNH: 4 [4] - Befotaka: FMNH: 9 [9 [4] - Behara, scientific institute: MNHN: 1 [1] - Bekopaka, 3.5 km E: FMNH: 1 [1] - Belobaka: FMNH: 2, UADBA: 7 [9] - Beloboka grotte No 1: FMNH: 3 [3] - Bemaraha: FMNH: 1 [1] - Bémaraha cave: MNHN: 1 [1] - Beratro: MNHN: 1 [1] - Berivotra: FMNH: 2 [2] - Béroboka: MNHN: 8 [8] - Bétafo: BMNH: 1 [1] - Betsileo: NMW: 1 [1] - Binara, forest [=Forêt de Binara]: FMNH: 1 [1] - Boeni: MNHN: 12 [12] - Bosianoremane: MNHN: 1 [1] - Brickaville: MNHN: 1 [1] - Brickaville, bureau commune: FMNH: 1 [1] - bureau circonscription scolaire: FMNH: 10 [10] - Campement Matsaborymadio: FMNH: 1 [1] - Canyon des Singes: FMNH: 1 [1] - Cascade de Manantantely: UADBA: 1 [1] - Cascade Sahanalaotra, near: FMNH: 1 [1 [10] - Causse de Namoroka: MNHN: 15 [15] - Caves of Manandona, high on mountain side: ROM: 9 [9] - Centre National de Recherche Océanographique: FMNH: 1 [1] - Collegèges d'Enseignement Général: FMNH: 9 [9] - Commune Ampahatelo, maison du domaine d'Akamasoa: FMNH: 4 [4] - Commune Mahabo, chalet de marché: FMNH: 10 [10] - Daraina: FMNH: 1, UADBA: 1 [2] - Diego Suarez: MNHN: 1 [1] - Diego-Suarez: MNHN: 1 [1] - Dispensaire public, Ampasy: FMNH: 10 [10] - d'Itremo, 2.5km W: FMNH: 8 [8] - Dronibe: MNHN: 2 [2] - École Lycée, salle I: FMNH: 10 [10] - Fanandrana, EPP: FMNH: 7 [7] - Fandanana: FMNH: 1, UADBA: 15 [1 [31] - Fandriana: FMNH: 1 [1] - Farankaraina: FMNH: 1 [1 [2] - Faravohitra: MNHN: 8 [8] - Faux Cap: MNHN: 10 [10] - Fianarantsoa: FMNH: 2, UADBA: 1, USNM: 1 [4] - Fianarantsoa province: UADBA: 1 [1] - Fianarantsoa: Minharisoa: FMNH: 2 [2] - Fiherenana River, lower valley: FMNH: 1, MNHN: 1 [2] - Forêt d'Ampidirabe: FMNH: 1 [1] - Forêt d'Ampirojoa: FMNH: 3 [3] - Forêt d'Ampitiliantsambo: FMNH: 4 [4] - Forêt d'Analabe: FMNH: 2 [2] - Forêt d'Analalava: FMNH: 2, USNM: 1 [3] - Forêt de Beanka: FMNH: 1 [1] - Forêt de Binara, near Analamazava River: FMNH: 4 [4] - Forêt de Mahejebi: FMNH: 1 [1] - Forêt de Mamakibetro: FMNH: 2 [2] - Forêt de Tampolo: FMNH: 3 [3] - Forêt des Mikea: FMNH: 2 [2] - Forêt des Mikea: FMNH: 2 [2 [1] - Fort Dauphin: BMNH: 1 [1] - Fort-Dauphin: BMNH: 1 [1] - Foulepointe and lake Alaoutre, between: MNHN: 9 [9] - Grand Lac: FMNH: 1 [1] - granite caves of Angavokely: BMNH: 3 [3] - grotte: FMNH: 4 [4] - Grotte Boribe: FMNH: 3 [3] - Grotte d'Anjohibe: FMNH: 3 [3] - Grotte d'Ankelimahogo: FMNH: 5 [5] - Grotte d'Ambanilia: FMNH: 8 [8] - Grotte d'Andrafiabe, forêt près: FMNH: 6 [6 [7] - Grotte d'Anjohibe: FMNH: 5 [5 [5] - Grotte d'Anjohikely: FMNH: 7 [7] - Grotte d'Anjohimbazimba: FMNH: 6 [6] - Grotte d'Ankelimahogo: FMNH: 12 [12 [1] - Grotte d'Antsiroandoha: FMNH: 1 [1] - Grotte de Bazaribe: FMNH: 15 [15 [7] - Grotte de Bekapity: FMNH: 3, UADBA: 1 [4] - Grotte de Bishiko: FMNH: 1 [1] - Grotte de Bisihiko: FMNH: 10 [10] - Grotte de Fandanana: FMNH: 1 [1] - Grotte de Marondavenoka, near the village of Enato: FMNH: 1 [1] - Grotte de Mitaho, près: FMNH: 6 [6] - Grotte de Tanambao: UADBA: 2 [2] - Grotte des chauves-souris/makis: UADBA: 1 [1] - Grotte du troisième canyon: FMNH: 4 [4] - Grottes d'Anjohibe: FMNH: 3 [3] - Hiaraka: MNHN: 2 [2] - Hôpital CSB II Mazavatakona: FMNH: 10 [10] - Ifanadiana: MNHN: 5 [5] - Ifandanana: UADBA: 1 [1] - Ikongo: MNHN: 1 [1] - Ikongo forest: MNHN: 2 [2] - Ile Sainte Marie: FMNH: 28 [28] - Imasindrary: BMNH: 8, NMW: 1 [1 [8] - Imasindrary [= Masindary]: BMNH: 4 [4] - Isalo National Park: FMNH: 1, UADBA: 1 [2] - Itampolo: FMNH: 3, UADBA: 2 [5] - Itapera: USNM: 1 [1] - Itaranta: USNM: 1 [1] - Itremo: FMNH: 2 [2] - Ivohibe: AMNH: 1, BMNH: 1, MNHN: 1 [1 [2] - Joffreville, 5.5 km SW: FMNH: 1 [1] - Kandreho: FMNH: 1 [1] - Kianjavato: FMNH: 3 [3] - Kirindy Forest: FMNH: 1, UADBA: 13 [14] - Kyma Kyma: MNHN: 2 [2] - Les Roussettes: MNHN: 9 [9] - Lotry, lake: MNHN: 2 [2] - Madagascar: BMNH: 1, MNHN: 1 [2] - Mahafaly: MNHN: 1 [1] - Mahajanga: FMNH: 1 [1 [1] - maison d'habitation: FMNH: 11 [11] - Majunga: MNHN: 5, NMW: 1 [6] - Manahy, 0.75 km SW: FMNH: 3 [3] - Manakara be, EPP Tanambe, salle A: FMNH: 13 [13] - Manambato: MNHN: 1 [1] - Mananara: MNHN: 1 [1] - Mananjary: MNHN: 1 [1] - Manantantely: USNM: 1 [1] - Maroantsetra: MNHN: 7 [7] - Maroantsétra, 2 days NE: MNHN: 18 [18] - Maroantsetra, 20 km SW: BMNH: 2, MNHN: 66 [2 [66] - Maroantsetra, 40 km NW: MNHN: 19 [19] - Maroantsetra, near: MNHN: 11 [11] - Marojejy: FMNH: 2 [2] - Marojéjy: MNHN: 2 [2] - Maromandia: BMNH: 2, MNHN: 2 [2 [2] - Maromandia cave: MNHN: 5 [5] - Maromandia, NW: MNHN: 1 [1] - Marovatanana: MNHN: 1 [1] - Marovaza: FMNH: 3 [3] - Marovoay: MNHN: 1 [1] - Marovony Forest: USNM: 2 [2] - Marozevo, maison d'habitation II: FMNH: 3 [3] - Matsaborimadio, at edge of: FMNH: 1 [1] - Matsaborymadio: FMNH: 1 [1] - Mevatanana: MNHN: 6 [6] - Miari [probably Miary, near Tuléar]: MNHN: 1 [1] - Miary: MNHN: 1 [1] - Mikea Forest: UADBA: 1 [1] - Mistinjo: MNHN: 97 [97] - Montagne d'Ambre: USNM: 9 [9] - Moramanga: FMNH: 1 [1 [9 [10 [10] - Morondava: MNHN: 8 [8] - Mount Ambre: MNHN: 23 [23] - Mpasibola: MNHN: 1 [1] - Nahampoana: UADBA: 1, USNM: 8 [9] - Namoroka: AMNH: 1, FMNH: 3, MNHN: 6 [1 [9] - Namoroka village, 2 km SE: FMNH: 1 [1] - National Park de Zombitse-Vhibasia: FMNH: 1 [1] - near Itaranta River: USNM: 2 [2] - no specific locality: MNHN: 2 [2] - Nossi Be island: SMF: 1 [1] - Nossibé: MNHN: 6 [6] - Nosy Be: FMNH: 34 [34] - Nosy Bé: FMNH: 2 [2] - Nosy Komba: FMNH: 12 [12] - Parc National de la Montagne d'Ambre: FMNH: 1, UADBA: 12 [13] - Parc National de la Montagne d'Ambre, Station des Roussettes: FMNH: 1 [1] - Parc National de Mantadia: UADBA: 1 [1] - Périnet [= Andasibe] cité CIBA: FMNH: 3 [3] - Périnet [= Andasibe], CIBA: FMNH: 5 [5] - Périnet [= Andasibe], cité CIBA: FMNH: 10 [10] - Périnet, 3 km E: USNM: 8 [8] - Périnet-Analamazaotra: BMNH: 2 [2] - PN d'Andohahela, 8 km NW Eminiminy: FMNH: 2 [2] - PN d'Andringitra: FMNH: 1 [1] - PN de Bemaraha, Ankidrodroa: FMNH: 27 [27] - PN de Bemaraha, Foret d'Andranogidro: FMNH: 1 [1] - PN de Bemaraha, Grotte d'Anjohimbazimba: FMNH: 1 [1] - PN de Bemaraha, south bank Manambolo River, near Tombeau Vazimba: FMNH: 5 [5] - PN de Bemaraha, Zohy Atsimo: FMNH: 20 [20] - PN de la Montagne d'Ambre, Station Forestiére des Roussettes: FMNH: 7 [7] - Point de la Fièvre: MNHN: 1 [1] - Rakotoniaine: MNHN: 1 [1] - Ranhira, 7.8 km N: FMNH: 1 [1] - Ranobe: FMNH: 1 [1] - Ranohira: FMNH: 1 [1] - Ranohira, 3.8 km NW:

FMNH: 2, UADBA: 1 [3] - Ranohira, appr. 10.5 km SW: FMNH: 1 [1] - Ranomafana hôpital CSB II: FMNH: 10 [10] - Ranomafana, Église catholique: FMNH: 4 [4] - Reserve Speciale d'Ankarana, Ambahibe, cave [=Grotte d'Ambahibe]: FMNH: 5 [5] - Reserve Speciale d'Ankarana, Andrafiabe Cave, forest near [=forêt près de la grotte d'Andrafiabe]: FMNH: 2 [2] - Reserve Speciale d'Ankarana, Antsironandoha Cave, west [=Ouest de la grotte d'Antsironandoha]: FMNH: 2 [2] - RNI d'Andohahela [= PN d'Andohahela], parcel 1: FMNH: 2 [2] - RNI de Namoroka, along Ampandra River: FMNH: 13 [13] - RNI de Namoroka, Forêt d'Ambovonomby: FMNH: 2 [2] - RNI de Namoroka, Grotte d'Ampidiranamhaja: FMNH: 3 [3] - RNI de Namoroka, Grotte d'Andriabe: FMNH: 4 [4] - RNI de Namoroka, near source of Mandevy River: FMNH: 14 [14] - RNI de Namoroka, site d'Andriabe: FMNH: 1 [1] - RNI de Namoroka,Forêt d'Ambovonomby: FMNH: 5 [5] - Rogez: MNHN: 11 [11] - RS d'Anjanaharibe-Sud, Marolakana River: FMNH: 1 [1] - RS d'Ankarana, 3.5 km SE Andrafiabe: FMNH: 1 [1] - RS d'Ankarana, Grotte des Chauves-souris: FMNH: 11 [11] - RS d'Ankarana, Grotte Milaintety: FMNH: 1 [1] - RS d'Ankarana, Ambahibe Cave: FMNH: 3 [3] - RS d'Ankarana, Andavaka Ankohatra: FMNH: 1 [1] - RS d'Ankarana, Antsironandoha Cave: FMNH: 10 [10] - RS d'Ankarana, Campement des Anglais [= Anilotra]: FMNH: 2 [2] - RS d'Ankarana, Canyon d'Antsiroandoa Centre: FMNH: 7 [7] - RS d'Ankarana, Grotte Boribe: FMNH: 3 [3] - RS d'Ankarana, Grotte d'Ambatoharanana: FMNH: 1 [1] - RS d'Ankarana, Grotte des Chauves-souris: FMNH: 17 [17] - RS d'Ankarana, in forest near Andrafiabe Cave: FMNH: 1 [1] - RS d'Ankarana, Lavaka Ambitsokotsoka: FMNH: 4 [4] - RS d'Ankarana, Sentier Botanique: FMNH: 2 [2] - Sabotsy Anjiro, Andranoalina, maison d'habitation No. 3: FMNH: 10 [10] - Sabotsy Anjiro, maison d'habitation: FMNH: 7 [7] - Sabotsy Anjiro, maison d'habitation No. 2: FMNH: 9 [9] - Sahafina: FMNH: 1 [1] - Sahamalaza: UADBA: 1 [1] - Sainte-Marie: MNHN: 2 [2] - Sakaraha: FMNH: 2, MNHN: 84 [86] - Sakoandrano cave: MNHN: 1 [1] - Sarodrano: FMNH: 5, UADBA: 3 [8] - Sarondrano: MNHN: 14 [14] - Sarondrano caves: MNHN: 9 [9] - SF de Tampolo: FMNH: 1 [1] - Sianaka forest: MNHN: 1 [1] - St Augustin caves: MNHN: 2 [2] - Station Forestière d'Ivoloina, près du gîte Mahatsinjo: UADBA: 2 [2] - Tabulayi to Ankazoabo: MNHN: 1 [1] - Tahiky: MNHN: 1 [1] - Tamatave: ZMB: 1 [1] - Tamatave, N of: MNHN: 2 [2] - Tananarive: MNHN: 18 [18] - Toamasina: UADBA: 1 [1] - Toamasina: FMNH: 10 [10 [7] - Toliara: FMNH: 3 [3 [1] - Toliara province: FMNH: 2, UADBA: 2 [4] - Toliary province: FMNH: 4, UADBA: 4 [8] - Tsaratanana: MNHN: 5 [5] - Tsimanampetsotsa: FMNH: 5 [5] - Tsimanampetsotsa, lake: MNHN: 1 [1] - Tsimbazaza, lake: MNHN: 5 [5] - Tsinjoarivo, 10 km SE: FMNH: 6 [6] - Tuléar: MNHN: 1 [1] - Tulear region: RMNH: 1 [1] - Tuléar, 80 km E: MNHN: 1 [1] - un named cave: FMNH: 2 [2] - Unknown locality: FMNH: 221, UADBA: 6, USNM: 5 [232] - unnamed cave: FMNH: 4 [4 [10] - Vinanitelo: BMNH: 3, MNHN: 1 [4] - Vinanitelo [= Vinantelo]: BMNH: 2, NMW: 2 [4] - Vitane: FMNH: 3 [3] - Vohipeno, Commune Vohitrindry, Quartier Fenoarivo, grenier N. 1: FMNH: 10 [10] - Vohipeno, quartier Ambohimanarivo, bureau de Fivondronana: FMNH: 13 [13] - Zazafotsy: FMNH: 4 [4 - **886** - **2085**].

Madeira (Portugal): Madeira: MNHN: 3 [3] - Unknown locality: BMNH: 2 [2 - **5**].

Malawi: Unknown locality: BMNH: 171, MNHN: 5, SMF: 4 [180] - Bangweolo and Lake Nyasa, between: BMNH: 1 [1] - Blantyre: KM: 1 [1] - Cape Maclear: CM: 1 [1] - Chileka: ROM: 1 [1] - Chipanzi: NHMZ: 1 [1] - Chipeta Village: NHMZ: 1 [1] - Chiromo: BMNH: 13 [13] - Chitale: ROM: 1 [1] - Cholo: BMNH: 1 [1] - Ciwale Hill: NHMZ: 1 [1] - Fort Johnston [= Mangochi]: BMNH: 2 [2] - Karonga: HZM: 2 [2] - Kasungu NP: NHMZ: 2 [2] - Kota Kota: KM: 9 [9] - Likabula mission: TM: 5 [5] - Likabula river: HZM: 1 [1] - Likwenu R: HZM: 1 [1] - Livingstonia: BMNH: 1, NHMZ: 1 [2] - Liwonde National Park: BMNH: 1 [1] - MacLear, cape: CM: 1 [1] - Malema: MNHN: 2 [2] - Mangochi Mountain: NMZL: 1 [1] - Monkey Bay: NHMZ: 2 [2] - Mount Malosa: BMNH: 1 [1] - Mughese Forest: NHMZ: 3 [3] - Mulanje: BMNH: 1, KM: 3 [3 [1] - Mulanje Mountain Conservation Trust: DNSM: 1 [1] - Mulanje, Chipoka village: NMP: 1 [1] - Mulanje-Chitakali: NMP: 1 [1] - Ncheu [=Ntcheu]: TM: 1 [1] - Nkhotakota: KM: 5, NHMZ: 2 [5 [2] - Nsanje: KM: 3, ROM: 1 [3 [1] - Ntchisi, mount: KM: 1 [1] - Nyasa: BMNH: 2 [2] - Nyika-Jallawe valley: NMP: 1 [1] - Thyolo: BMNH: 1, KM: 1 [1 [1] - Viphya Plateau: DCDH: 1 [1] - Wilindi Forest: NMZL: 3 [3] - Zoa Estate: NMMB: 1 [1] - Zomba: BMNH: 1 [1 [2] - Zomba Plateau: KM: 3 [3 [6 - **22** - **257**].

Mali: Unknown locality: MNHN: 4, SMF: 2 [6] - Adrar: MNHN: 1 [1] - Adrar des Iforas: MNHN: 2 [2] - Badalabougou: MNHN: 1 [1] - Ballassientu: MNHN: 1 [1] - Bamako: MNHN: 2 [2] - Dialagou: MNHN: 14 [14] - Djenné: MNHN: 1 [1] - Dogon country: MNHN: 1 [1] - Ibdekène valley: MNHN: 1 [1] - Mandingues mountains Reserve: MNHN: 3 [3] - Ménaka: MNHN: 5 [5] - Samaya: MNHN: 11 [11] - Selangor: MNHN: 6 [6] - Sélingué: MNHN: 4 [4] - Ticufales or Tieufola cave: MNHN: 8 [8] - Timbuktu: BMNH: 1 [1 - **68**].

Malta: Malta: BMNH: 1 [1 - **1**].

Mauritania: Unknown locality: MNHN: 2 [2] - Aleg post office: MNHN: 1 [1] - Atar: MNHN: 2 [2] - Bat cave: MNHN: 1 [1] - Boutilimit: MNHN: 38 [38] - Dar-el-Salam: MNHN: 1 [1] - Guelb Moghrein: MNHN: 1 [1] - Ma?moûdé, lake: EBD: 3 [3] - Mauritanian Sahara: MNHN: 1 [1] - Moudjéria fortress: MNHN: 1 [1] - Terjit: MNHN: 3 [3] - Touareg Sahara: MNHN: 1 [1 - **55**].

Mauritius: Unknown locality: AMNH: 19, BMNH: 7, MNHN: 7, RMNH: 2, SMF: 1, USNM: 2, WAM: 1, ZMB: 4 [2 [42] - Camp Thorel cave: FMNH: 1 [1] - Cascade river: ZMA: 1 [1] - Le Reduit, ravines: BMNH: 3 [3] - Mascarene Islands: MNHN: 9 [9] - Palma cave: FMNH: 5 [5] - Port Louis: MNHN: 1 [1] - Round island [Rond Islet, Ronde Ile], La Ronde: BMNH: 1 [1] - Senneville: AMS: 1 [1] - Trois Bras cave: FMNH: 2 [2 - **7** - **61**].

Mayotte: Mayotte: MNHN: 2, RMNH: 2 [2 [2 - **2** - **2**].

Morocco: Unknown locality: BMNH: 17, MHNG: 1, MNHN: 1, SMF: 2 [21] - Agadir, 30 km NW: EBD: 1 [1] - Ain Leuh: MNHN: 2 [2] - Assa: MNHN: 2 [2] - Berkane: MNHN: 3, NMP: 2 [5] - Bou Izakarne: MNHN: 1 [1] - Defilia Oasis: BMNH: 1 [1] - Djebel Moussa, Great Cave: MNHN: 6 [6] - Essaouira [= Mogador]: MCZ: 6, MNCN: 2 [8] - Figuig: BMNH: 1, MNHN: 5 [6] - Goulimine: MNHN: 2 [2] - Hercules caves: MNHN: 14 [14] - Kef-el-Rhar, cave [=Grotte de Kef-el-Rhar]: NMW: 1 [1] - Khenifra: MNHN: 1 [1] - Kik plateau cave: MNHN: 1 [1] - Ksar-es-Souk: NMW: 10 [10] - Lead mine [=Mine de Plomb]: NMW: 1 [1] - Mapti Endé: MNHN: 7 [7] - Marrakesh, E of: MNHN: 2 [2] - Meknès: MNHN: 18 [18] - Meknés-Tafialet: MHNG: 1 [1] - Oued Drâa: NMP: 2 [2] - Samsa: MNHN: 3 [3] - Samsa cave: MNHN: 4 [4] - Sidi Binzarne: NMP: 2 [2] - Sidi Moussa: MNHN: 3 [3] - Taddert: MNHN: 1 [1] - Talkout: NMP: 1 [1] - Tamtattouchte: NMP: 1 [1] - Tanger: MNHN: 3 [3] - Tazarine: MNHN: 9 [9] - Tazarine cave: MNHN: 6 [6] - Zegzel cave: MNHN: 2 [2 - **3** - **145**].

Mozambique: Unknown locality: BMNH: 18, MNHN: 4, SMF: 7 [29] - Amamba: NHMZ: 1 [1] - Beira: BMNH: 3, NHMZ: 1, USNM: 1 [5] - Beira, 10 km N: USNM: 2 [2] - Beira,10 km N: USNM: 1 [1] - Boane: CZL: 2, USNM: 1 [3] - Boror: BMNH: 1 [1] - Changalane [= Estatuane]: NHMZ: 1 [1] - Chemezi: NHMZ: 1 [1] - Chicoa, 20 km ESE: USNM: 1 [1] - Chicona, 14 mi ESE: USNM: 1 [1] - Chicualacuala: CZL: 2 [2] - Chigubo: USNM: 1 [1] - Chimonzo: USNM: 1 [1] - Chiniziwa District: NHMZ: 1 [1] - Chitengo, 100 km E: NHMZ: 2 [2] - Chiutu: USNM: 5 [5] - Coguno: USNM: 3 [3] - Coquno [= Coguno?]: SAMC: 1 [1] - Covane: NHMZ: 1 [1] - Cruz Dabacua Setache: NHMZ: 1 [1] - Cruz Dabacua Setache, Zinave: NHMZ: 3 [3] - Dabacua Setache: NHMZ: 1 [1] - Dondo: USNM: 1 [1] - Envirotrade site: DNSM: 1 [1] - Estatuane: NHMZ: 3 [3] - Furancungo, 40 km NNW: USNM: 1 [1] - Gerhard's Cave: TM: 1 [1] - Gondola: CZL: 1 [1] - Gorongosa NR: NHMZ: 1 [1] - Gorongoza Mountain: NHMZ: 3 [3] - Gruta Magochene: NHMZ: 9, ROM: 8 [17] - Inhaca Island: KM: 1 [1] - Inhaminga: NHMZ: 1 [1] - Inyoka Mountain: USNM: 1 [1] - Javane: NHMZ: 1 [1] - Kanganatole, 8 km N: NHMZ: 1 [1] - Lorenzo Marques [= Maputo]: SAMC: 1 [1] - Magude: USNM: 1 [1] - Mague [= Mphende]: USNM: 2 [2] - Malacus: NHMZ: 1 [1] -

Malucas: NHMZ: 4 [4] - Manho Forest: DNSM: 5 [5] - Manica: CZL: 2 [2] - Mapinhane: DNSM: 1 [1] - Maputo: CZL: 1, NHMZ: 1 [2] - Maputo Camp: DNSM: 1 [1] - Maputo Special Reserve: TM: 3 [3] - Marine Research Station: USNM: 1 [1] - Marromeu Town: NHMZ: 3 [3] - Marromeu, 40 km W: NHMZ: 1 [1] - Marromeu, Coutada 1: NHMZ: 4 [4] - Marromeu, Coutada 11 HQ: NHMZ: 1 [1] - Marromeu,Coutada 1: NHMZ: 1 [1] - Massamba, 16 km E: USNM: 6 [6] - Massamba,16 km E: USNM: 1 [1] - Massangena: USNM: 2 [2] - Massinga: USNM: 2 [2] - Mehave: NHMZ: 1 [1] - Moamba: USNM: 4 [4] - Mongue: BMNH: 1 [1] - Mount Jao: DNSM: 1 [1] - Mount Mabu: DNSM: 3, MHNG: 1 [4] - Mozambique Island: BMNH: 1 [1] - Mucrera R: NHMZ: 1 [1] - Mungari, 5 km N: USNM: 3 [3] - Nabaunama River: NHMZ: 1 [1] - Nyaboa Caves: NHMZ: 4 [4] - Pamzila: NHMZ: 1 [1] - Panda: USNM: 2 [2] - Ressano Garcia, 10 km SSE: NHMZ: 4, NMZL: 1 [5] - Save River Bridge, 30 km N?: NHMZ: 2 [2] - Shupanga: BMNH: 1 [1] - Shupanga: BMNH: 1 [1] - Shupanga [=Chupanga]: BMNH: 2 [2] - Sofala province: SMF: 6 [6] - Tete: BMNH: 2, ZMB: 1 [3] - Tete district: TM: 2 [2] - Tete, 3 km E: USNM: 7 [7] - Ukalini Forest: DNSM: 2 [2] - Vila Gamlto, 10 km N: USNM: 4 [4] - Vila de Manica [= Manica], 10 km N: USNM: 1 [1] - Vila de Manica [= Manlca], 10 km N: USNM: 2 [2] - Vila Gamito,10 km N: USNM: 2 [2] - Vila Gouveia: NHMZ: 1, USNM: 2 [3] - Vila Gouveia, S: NHMZ: 1 [1] - Vila Gouvela: USNM: 1 [1] - Vilanculos: CZL: 1, USNM: 1 [2] - Zavora: NHMZ: 1 [1] - Zinave: NHMZ: 1 [1] - Zinave NP: NHMZ: 9 [9] - Zinave NP, 3 km SSW: NHMZ: 11 [11] - Zinave NP, 9 km SSW: NHMZ: 2 [2] - Zinave NR: NHMZ: 2 [2] - Zinave, 2 km S: NHMZ: 1 [1] - Zinave-NP: NHMZ: 2 [2] - Zlnave NP: NHMZ: 1 [1 - **6** - **242**].

Namibia: Unknown locality: BMNH: 9, SMF: 7, SMW: 2 [18] - Algamas cave, Grootfontein: SMW: 1 [1] - Andara, Okavango: SMW: 1 [1] - Andara,Okavango: SMW: 1 [1] - Andorosa Falls: SMW: 1 [1] - Ariemsvlei: SMW: 1 [1] - Arnhem cave: MNHN: 9, SMW: 7 [16] - Arnhem, 80 km E: TM: 5 [5] - Aus, 22 km E: SMW: 1 [1] - Aus, 3 km W: SMW: 3 [3] - Beenbreck: SMW: 1 [1] - Bethanie, E: KM: 1 [1] - Bezarode Farm: NHMZ: 1 [1] - Buffalo Camp, Kavango R.: SMW: 1 [1] - Daan Viljoen NP: SMW: 2 [2] - Dante Cave: SMW: 1 [1] - De Start 1014: SMW: 1 [1] - De Valle: SMW: 3 [3] - Diamond Area 1: SMW: 2 [2] - Dose Pan: SMW: 3, USNM: 1 [4] - Driekrone 516: SMW: 1 [1] - Eenhana: NMP: 1 [1] - Eindopaal: SMW: 1 [1] - Eiseb R: SMW: 2 [2] - Eliem 163: SMW: 1 [1] - Elseb R.: SMW: 1 [1] - Erongorus Usakos: TM: 1 [1] - Etaneno 44: SMW: 1 [1] - Etosha NP: SMW: 1 [1] - Etosha NP, Halali: SMW: 3 [3] - Etosha NP, Namutoni: SMW: 2 [2] - Etosha NP, Okaukuejo: SMW: 3 [3] - Etosha NP, Ombika Gate: SMW: 1 [1] - Etosha NP,Okaukuejo: SMW: 2 [2] - Etosha-NP, Okaukuejo: SMW: 1 [1] - Evergreen campsite: TM: 1 [1] - Farm 397: TM: 1 [1] - Farm Aandster 147: SMW: 1 [1] - Farm Rheinvels: TM: 3 [3] - Farm Sandfontein 468: KM: 13 [13] - Farm Zwartmodder 101: TM: 5 [5] - Fish River Canyon: KM: 1 [1] - Gam: USNM: 1 [1] - Gam Waterhole: USNM: 1 [1] - Ganab Waterhole: USNM: 1 [1] - Gaucha: USNM: 1 [1] - Geiersberg: SMW: 1 [1] - Gobabeb, Namib Desert: NHMZ: 2, SMW: 3, USNM: 1 [6] - Gobabis: KM: 2 [2] - Gobabls: KM: 1 [1] - Gobabls, 70 km NE: LACM: 2 [2] - Gorraris 99: SMW: 1 [1] - Gorrarts 99: SMW: 1 [1] - Grootfontein, 25 km SE: LACM: 1 [1] - Grootfontein, 40 km WNW: LACM: 4 [4] - Grootfontein, NE: SMW: 1 [1] - Grootfontein, NW: KM: 2 [2] - Helmeringshausen: TM: 1 [1] - Hoasas: SMW: 2 [2] - Hoba 322: SMW: 1 [1] - Hoba 322, Grootfontein: SMW: 1 [1] - Kake, Okavango: SMW: 1 [1] - Karibib: BMNH: 1, KM: 1 [1 [1] - Karochos: TM: 1 [1] - Katima Mulilo: KM: 1, SMW: 1 [1 [1] - Katima Mulllo: KM: 1 [1] - Katimo Mulllo: NHMZ: 1 [1] - Kaudom GR: USNM: 1 [1] - Keetmanshoop: KM: 1 [1] - Keetmanshoop, 35 km SSW: TM: 1 [1] - Kleepfortella: SMW: 1 [1] - Klein Aus Farm 8: TM: 2 [2] - Klein Okombhe, Omaruru: SMW: 1 [1] - Klein Windhoek: BMNH: 1 [1] - Kochina: TM: 1 [1] - Koes, 89 km ENE: LACM: 1 [1] - Kwetche, Kavango R: SMW: 1 [1] - Lianshulu: SMW: 2 [2] - Liebig's Ranch: TM: 2 [2] - Makuri pan, 9 km W: TM: 1 [1] - Makuri Pan, Bushmanland: SMW: 1 [1] - Maltahohe: SMW: 1 [1] - Maltahohe district: CM: 1 [1] - Maltahohe, 110 km WSW: USNM: 2 [2] - Muckwe: KM: 3 [3] - Mudumu NP, Horseshoe Bend: SMW: 1 [1] - Munsterland: SMW: 1 [1] - Nama pan [=Nama dam]: TM: 2 [2] - Nama Pan, Bushmanland: SMW: 1 [1] - Namibia Desert Research Station [= DERU]: NHMZ: 11 [11] - Namibi-Naukluft NR: SMW: 1 [1] - Namib-Naukluft NP, Bat's Hole: SMW: 2 [2] - Numkaub: USNM: 1 [1] - Oberdorf, Bethanie: SMW: 1 [1] - Ohopoho: SMW: 1 [1] - Okahandja: SMF: 1 [1] - Okakarara: SMW: 1 [1] - Okatjiho,Okahandja: SMW: 1 [1] - Okavango-Omatako Junction: BMNH: 1 [1] - Okongava: SMW: 4 [4] - Omaruru: KM: 2 [2] - Omaruru, 10 km SE: LACM: 1 [1] - Omaruru, 30 km NW: LACM: 4 [4] - Ombalantu: SMW: 3, TM: 1 [1 [3] - Ombika: SMW: 1 [1] - Ombonde: SMW: 4 [4] - Ombu: AMNH: 1 [1] - Omega: SMW: 4, TM: 1 [5] - Opuwo: KM: 1 [1] - Opuwo, 70 km NW: LACM: 1 [1] - Opuwo, 70 km S: LACM: 6 [6] - Opuwo, E: KM: 1 [1] - Opuwo, N: KM: 2 [2] - Opuwo, S: KM: 3 [3] - Opuwo, SE: KM: 2 [2] - Orongo Water Camp: SMW: 1 [1] - Orumpembe: LACM: 1 [1] - Otavi, 8 km S: LACM: 1 [1] - Otgrot: SMW: 1 [1] - Otjihavera: SMW: 1 [1] - Otjikoko: SMW: 1 [1] - Otjikoko-Sud: SMW: 2 [2] - Otjiwarongo: KM: 4 [4] - Otjiwarongo, 60 km SE: LACM: 1 [1] - Otjlhauera: SMW: 1 [1] - Otjoro [=Otjihoro]: BMNH: 2 [2] - Otjosongombe, Waterberg: BMNH: 1 [1] - Otjovasando: SMW: 1 [1] - Otjozondjupa: KM: 2 [2] - Outjo: KM: 1 [1] - Outjo, 40 km NE: LACM: 1 [1] - Outjo, NW: KM: 2 [2] - Outjo, SW: KM: 2, SMW: 2 [2 [2] - Outjo, W: KM: 2 [2] - Pipistrelle Cave: SMW: 2 [2] - Quickborn: TM: 2 [2] - Rehoboth: USNM: 1 [1] - Rehoboth, 20 km NW: LACM: 3 [3] - Rooibank: SMW: 1 [1] - Ruacana: SMW: 1 [1] - Rundu [=Grootfontein] district: KM: 3 [3] - Rundu, 66 km S: LACM: 1 [1] - Rundu, 75 km S: LACM: 1 [1] - Rundu, 75 km SE: LACM: 1 [1] - Rundu, E: KM: 1 [1] - Rundu, S: KM: 3 [3] - Rundu, SE: KM: 4, TM: 1 [5] - Samsitu campsite: TM: 1 [1] - San Michelle: SMW: 5 [5] - Sesfontein: SMW: 1 [1] - Sinclair Mine: SMW: 3 [3] - Sinclair Mine, Luderitz: SMW: 1 [1] - Skeleton Coast NP: SMW: 1 [1] - Sonnleiten 78: SMW: 1 [1] - Ssannakanu village: KM: 8 [8] - Swartbooisdrift: SMW: 1 [1] - Swartkop: TM: 5 [5] - Talana: SMW: 1 [1] - Terrace Bay: SMW: 1 [1] - Tsumamas,Outjo: SMW: 1 [1] - Tsumkwe: SMW: 1 [1] - Uis: SMW: 2 [2] - Waterberg: SMW: 1 [1] - Waterberg 416: SMW: 1 [1] - Waterberg, 416: SMW: 2 [2] - Welverdiend 328: SMW: 1 [1] - West End: SMW: 1 [1] - Wilhelmstal, 47 km S: LACM: 1 [1] - Windhoek: KM: 1, SMW: 3 [1 [3] - Windhoek, 81 km SW: LACM: 1 [1] - Witvlei: BMNH: 1 [1] - Xnmakora: SMW: 1 [1] - Zwartmodder 101: SMW: 3 [3 - **49** - **299**].

Niger: Unknown locality: BMNH: 3 [3] - Arlit: MNHN: 1 [1] - Batrakum: MNHN: 1 [1] - Bilma: MNHN: 1 [1] - Bourem: MNHN: 1 [1] - Chirfa: MNHN: 2 [2] - Niamey: MNHN: 7 [7] - Tillaberi region: SMF: 2 [2] - Zinder, near: MNHN: 2 [2 - **20**].

Nigeria: Unknown locality: BMNH: 1, ZMA: 10 [1 [229] - Abo: BMNH: 1 [1] - Abulschi: BMNH: 1 [1] - Apapa: HZM: 1 [1] - Araba: BMNH: 1 [1] - Asaba: BMNH: 2 [2 [1] - Borgu Game Reserve: BMNH: 1 [1] - Calabar: BMNH: 1 [1] - Chappal Waddi: SMNS: 2, ZFMK: 1 [3] - Gangirwal: SMNS: 2, ZFMK: 2 [4] - Ibadan: BMNH: 7, ZMUI: 17 [24] - Igbetti: BMNH: 1 [1] - Jauro Masali: SMNS: 5, ZFMK: 5 [10] - Jos: BMNH: 1 [1] - Kabwir: BMNH: 1 [1] - Lagos: BMNH: 1 [1 [1] - Leekie: BMNH: 1 [1] - Leinde Fadali: SMNS: 2, ZFMK: 1 [3] - Maiduguru: BMNH: 3 [3] - Mianga, road: BMNH: 1 [1] - Molai Forest Reserve: HZM: 1 [1] - Niger River, lower: USNM: 1 [1] - N'ko: BMNH: 1 [1] - Numan: BMNH: 1 [1] - Oban: BMNH: 1 [1] - Old Calabar: BMNH: 1, NMV: 1 [2] - Old Calabar river: BMNH: 1 [1] - Plateau state: SMF: 11 [11] - Shagamu: BMNH: 1 [1] - Sokoto: BMNH: 1 [1] - Umuahia: BMNH: 1 [1 [2] - West province: BMNH: 1 [1] - Yelwa: SMNS: 4, ZFMK: 4 [8 - **35** - **291**].

Portugal: São Miguel Island: MNHN: 1 [1 - **1**].

Réunion: Bourbon, île [=Réunion]: ZMB: 1 [1] - Réunion and Madagascar: MNHN: 1 [1] - Réunion Island: MNHN: 8 [8] - Saint-Gilles: MNHN: 8 [8] - St Benoit, near: MNHN: 2 [2 - **20**].

Rwanda: Unknown locality: BMNH: 2 [2] - Bilalu: INPBC: 2 [2] - Gabiro: INPBC: 78, RBINS: 1 [79] - Gihinga: INPBC: 58 [58] - Kagera National Park: INPBC: 1, RBINS: 1 [2] - Kisenyi: INPBC: 1 [1] - Lugarama: INPBC: 24 [24] - Magachi: INPBC: 9 [9] - Mihindi, lake: INPBC: 87 [87] - Nyakichozi: INPBC: 2 [2] - Rwankalo: RBINS: 1 [1 - **267**].
São Tomé and Principé: Unknown locality: BMNH: 5, MNHN: 3 [8] - Bóbó Cativo: EBD: 1 [1] - Generosa: SMTD: 1 [1] - Macambrara: MNHN: 1 [1] - Port Sao Tome: BMNH: 1 [1] - Principé: BMNH: 3 [3] - Principé Island: EBD: 1 [1] - San Antonio: EBD: 1 [1] - San Nicolas: MNHN: 1 [1] - Santo Amaro: MNHN: 1 [1] - Sao Tome: BMNH: 2, USNM: 1 [3] - São Tomé island: BMNH: 1, EBD: 1 [2 - **10** - **14**].
Saudi Arabia: Al Muwaylih [=Mohila]: SMF: 1 [1] - Dhahran: CAS: 1 [1 - **2**].
Senegal: Unknown locality: BMNH: 10, FMNH: 2, MNHN: 31, RBINS: 2, RMNH: 2, ZMA: 1 [3 [45] - Adiaré: MNHN: 5 [5] - Assirik: IVB: 1 [1 [1] - Bakel: BMNH: 1 [1] - Bandia: MNHN: 156 [156] - Bow: MNHN: 10 [10] - Dakar: MNHN: 1 [1] - Dakar Pasteur institute: MNHN: 1 [1] - Diadam: IVB: 2 [2] - Dindefelo: IVB: 4 [4] - Dindéfélo: IVB: 2 [2] - Diogué: MNHN: 1 [1] - Diourbel: MNHN: 1 [1] - Ebarak: MNHN: 3 [3] - Etiesse: MNHN: 1 [1] - Kaffrine: MNHN: 1 [1] - Kassas forest: MNHN: 1 [1] - Kédougou: MNHN: 1 [1] - Khombeul: MNHN: 1 [1] - Koular: MNHN: 3 [3] - Koutango: MNHN: 1 [1] - Lagbar, 10 km S: MNHN: 3 [3] - Lagbar, 10 km SE: MNHN: 5 [5] - Lodé: MNHN: 8 [8] - Matam: MNHN: 2 [2] - Mount Assirik: IVB: 1 [1] - N'gari: MNHN: 12 [12] - Niangné: MNHN: 2 [2] - Niokolo Koba NP, Dar Salam: IVB: 3 [3] - Niokolo Koba NP, Dindefelo: IVB: 2 [2] - Niokolo Koba NP, Simenti: IVB: 6 [6] - Niokolo-Koba: MNHN: 4 [4] - Pete Ole: MNHN: 7 [7] - Pire Gouveye: MNHN: 2 [2] - Richard Toll: MNHN: 53 [53] - Richard-Toll: MNHN: 1 [1] - Saboya: MNHN: 32 [32] - Sangalkam: MNHN: 1 [1] - Sénégal River: MNHN: 5 [5] - Senegal, Upper: MNHN: 3 [3] - Silacounta: MNHN: 53 [53] - Snake Island: MNHN: 1 [1] - Touré: MNHN: 1 [1] - Yonofere: MNHN: 4 [4 - **4** - **453**].
Seychelles: Unknown locality: BMNH: 5, MNHN: 4, ZMB: 2 [11] - Aldabra: FMNH: 2 [2] - Amirante Island: BMNH: 1 [1] - Grand Anse: BMNH: 3 [3] - Grande Anse: BMNH: 15 [15] - La Digue: BMNH: 1 [1] - Mahé: MNHN: 2 [2] - Mahe Island: BMNH: 1, MNHN: 4 [5] - Mariane: MNHN: 1 [1] - Marianne Island: MNHN: 2 [2] - Praslin island: BMNH: 6 [6 [2] - Silhouette: BMNH: 2 [2] - Silhouette Island: BMNH: 8 [8 - **13** - **48**].
Sierra Leone: Unknown locality: BMNH: 5, USNM: 112 [5 [335] - 100 miles off the coast of Sierra Leone: BMNH: 1 [1] - Bo: BMNH: 1 [1 [1] - Bo School: HZM: 1 [1] - Bonthe: BMNH: 2 [2 [1] - Kabala: MNHN: 1 [1] - Makeni: BMNH: 1 [1] - Newton: BMNH: 1 [1] - no specific locality: BMNH: 1 [1] - Outamba-Kilimi-NP: USNM: 3 [3] - Rokupr: BMNH: 1 [1] - Tasso island: BMNH: 1 [1] - Tonkilili district: DNSM: 1 [1 - **10** - **347**].
Somalia: Unknown locality: BMNH: 26 [26] - Afgoi: MNHN: 2 [2] - Afmadu: MZUF: 2 [2] - Callis: MZUF: 3 [3] - Giohar: MZUF: 1 [1] - Grotta di Showli Berdi: MZUF: 9 [9] - Mogadiscio: MSNM: 1 [1] - Mount Fink: MNHN: 5 [5] - no specific locality: ZMB: 1 [1] - Ruspoli: BMNH: 1 [1] - Somalia: MZUF: 1 [1] - Unknown locality: BMNH: 1 [1] - Upper Sheikh: BMNH: 1 [1 - **54**].
South Africa: Unknown locality: AMNH: 1, BMNH: 105, DNSM: 1, HZM: 1, MSNG: 1, RMNH: 2, SAMC: 1, SMF: 1, SRSITE: 1, TM: 2 [1 [115] - "Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: BMNH: 1 [1] - 13 km E Pietermaritzburg: DNSM: 1 [1] - 5 km N Potgietersrus: TM: 2 [2] - Aberdeen: KM: 2 [2] - Albany District: KM: 7, SAMC: 1 [7 [1] - Alexandria: KM: 2 [2] - Algeria Forest Research Station: MMK: 1 [1] - Alma: TM: 2 [2] - American cave: TM: 1 [1] - Anthrax camp: TM: 3 [3] - Augrabies Falls NR: MMK: 1 [1] - Augrabies Falls-NP: MMK: 1 [1] - Augrabies Falls-NP, causway: MMK: 1 [1] - Babanango: KM: 2 [2] - Barberton: TM: 2 [2] - Barberton, 3 km SW: USNM: 1 [1] - Barkley East: KM: 3 [3] - Barkley West: SAMC: 1 [1] - Bassoutos country: MNHN: 1 [1] - Bathurst: KM: 3 [3] - Bedford: KM: 2, TM: 1 [3] - Bedford, SE: KM: 2 [2] - Belvedere: NRM: 1 [1] - Blaney Nature Reserve: BMNH: 1 [1] - Bloemfontein, 21 km N: USNM: 1 [1] - Bloemhoef District: TM: 1 [1] - Bluff: DNSM: 1 [1] - Blyderivierspoort Nature Reserve, Bourkes Luck: TM: 2 [2] - Bontebok NP: KM: 1 [1] - Brakfontein, 18 km N: USNM: 2 [2] - Brakkloof: TM: 1 [1] - Brandfort: TM: 5 [5] - Bredasdorp: KM: 1, NHMZ: 2 [1 [2] - Bredasdorp, NW: KM: 2 [2] - Brits: USNM: 1 [1] - Buffelshoek, 22 km SE: USNM: 1 [1] - Bushman Cave: SAMC: 3 [3] - Bushman Cave, Montagu: KM: 1 [1] - Caffraria: MNHN: 1 [1] - Calvinia: KM: 2 [2] - Camps Bay: SAMC: 1 [1] - Cape: BMNH: 1, SMF: 1 [2] - Cape of Good Hope: MNHN: 9, ZMB: 1 [10] - Cape province: AMNH: 1, BMNH: 1 [1 [1] - Cape Town: BMNH: 6, DNSM: 1 [6 [1] - Cape Town, 200 mi [=322 km] E: BMNH: 2 [2] - Cape Town, Rondebosch: NHMZ: 1 [1] - Carter's Nurseries: HZM: 2 [2] - Cederberg, Algeria State Forest, campsite: SAMC: 5, TM: 2 [7] - Cederberg, Pakhuis Pass, Kliphuis camp site: KM: 1, SAMC: 2 [3] - ClanwIlliam: KM: 3 [3] - Clanwilllam, NE: KM: 1 [1] - Culling camp: TM: 2 [2] - Cypris: YPM: 1 [1] - Danielskuil: MMK: 2 [2] - Danielskuil, 10 km N: MMK: 3 [3] - De Aar: KM: 2 [2] - de Hoek: NHMZ: 1 [1] - De Hoek, Skeleton Cave: TM: 6 [6] - De Hoop, 24 km NNE: USNM: 1 [1] - De Hoop, 25 km NNE: USNM: 1 [1] - De Hoop, NR: MMK: 1, SAMC: 4 [5] - Doornsloot: NHMZ: 1 [1] - Drakenburg Mountains: BMNH: 1 [1] - Drakensig: DNSM: 2 [2] - Dukuduku Forest: TM: 2 [2] - Dumisa Gold Mine: KM: 1 [1] - Durban: BMNH: 3, DNSM: 2, KZNM: 2, MNHN: 1 [8] - Durban North: DNSM: 2 [2] - Durban North Area: DNSM: 1 [1] - Durban, probably: DNSM: 11 [11] - East London: KM: 4, TM: 1 [4 [1] - Elliotdale [= Xhora]: KM: 1 [1] - Ellisras, 8 km NE: USNM: 1 [1] - Encobo: KM: 1 [1] - Entumeni Nature Reserve: DNSM: 1 [1] - Escombe: DNSM: 1 [1] - Estcourt: KM: 1 [1] - Farm Aasvogelrand-Oost 291: NMB: 9 [9] - Farm Berlin 446JT: TM: 1 [1] - Farm Buffel Rivier Poort: KM: 5 [5] - Farm Deelfontein: BMNH: 1 [1] - Farm Faust 743: TM: 1 [1] - Farm Florisbad 686: NMB: 18 [18] - Farm Gouna: KM: 6 [6] - Farm Harmony 140KT: TM: 2 [2] - Farm Helena 780: NMB: 1 [1] - Farm Kersefontein [=Berg River]: TM: 3 [3] - Farm Makapansgat, Makapan cave: TM: 15 [15] - Farm Makapansgat, Pepercorn's cave: TM: 29 [29] - Farm Modderfontein, Howel Davies Caves: TM: 2 [2] - Farm Narap: TM: 2 [2] - Farm Ratsegaai 204: TM: 14 [14] - Farm Rietfontein, pt 16: TM: 1 [1] - Farm Rotspruit: TM: 3 [3] - Farm Schaapplaas 1785: NMB: 2 [2] - Farm Sterkfontein 173 IQ: TM: 1 [1] - Farm Sudwalaskraal 271JT: TM: 1 [1] - Farm Tygerkloof 354: TM: 3 [3] - Farm Uitkyk: TM: 1 [1] - Farm Welgedaan 292: TM: 10 [10] - Farm Wonderfontein 103IQ: TM: 1 [1] - Farm Wonderfontein 103IQ, Wonderfontein Cave: TM: 2 [2] - Farm Zeekoegats Drift: KM: 5 [5] - Fauresmith District: NM: 1 [1] - Fig Tree Camp: TM: 1 [1] - Figtree camp: TM: 3 [3] - Figtree forest: TM: 2 [2] - Figtree forest, 4.8 km down stream of bridge: TM: 2 [2] - Flagstaff: KM: 1 [1] - Folderia: TM: 2 [2] - Fort Beaufort: KM: 1 [1] - Fort Hoek Trading store: SAMC: 2 [2] - Fountains: USNM: 3 [3] - Fram Middelwater 750: NMB: 9 [9] - Gamsberg Inselberg, Aggeneys: MMK: 1 [1] - Ganyesa: MMK: 1 [1] - Garsfontein: TM: 1 [1] - Gattis koppies: BMNH: 1 [1] - Gloria: NMB: 5 [5] - Goegap NR: MMK: 1 [1] - Goodhouse: KM: 8, USNM: 1 [9] - Graaff Reinet, 30 km SE: USNM: 2 [2] - Graaff Reinet, 40 km N: USNM: 1 [1] - Grahams Town: MNHN: 1 [1] - Graham's Town: MNHN: 1 [1] - Grahamstown: BMNH: 1, MCZ: 5, MNHN: 1, NHMZ: 1, TM: 2, ZMB: 1 [1 [10] - Grahamstown District: SAMC: 1 [1] - Grahamstown, 12 km NW: NHMZ: 2 [2] - Grahamstown, 17 km SSW: USNM: 1 [1] - Greenwood Park: DNSM: 2 [2] - Griekwastad, 25 km NNE: MMK: 4 [4] - Groendal Wilderness Area: TM: 2 [2] - Groot Marico, 8 km SE: TM: 1 [1] - Hagesdam: NMB: 1 [1] - Hankey: KM: 3 [3] - Hartebeestpoort Dam: TM: 1 [1] - Hatfield: TM: 1 [1] - Hectorspruit: SAMC: 1, TM: 1 [2] - Heidelberg: SAMC: 1 [1] - Hennops River: TM: 3 [3] - Hillcrest: DNSM: 1 [1] - Hlabisa: KM: 7 [7] - Hluhluwe Game Reserve: NM: 1 [1] - Hluhluwe Game Reserve, Research camp: TM: 1 [1] - Hoedspruit: TM: 1 [1] - Hondeklipbaai: SAMC: 1 [1] - Honingkloof Farm: NMB: 1 [1] - Hopetown, near: KM: 1 [1] - Horo: TM: 1 [1] - Hotazel, 15 km WNW: MMK: 1 [1] - Humansdorp: KM: 6 [6] - Ingwavuma: TM: 1 [1] - Interior of Caffraria: BMNH: 1, RMNH: 1 [2] - Irene: TM: 2 [2] - Itala Game Reserve, sandstone

cave: TM: 12 [12] - Itala Nature Reserve: TM: 1 [1] - Jagersfontein Commonage, Disused mine: NMB: 44 [44] - Jansenville, 12 km E: USNM: 1 [1] - Johannesburg: TM: 1 [1] - John Nash Nature Reserve: USNM: 2 [2] - Kabbefontein: TM: 5 [5] - Kaffaria: KM: 1 [1] - Kaffraria: KM: 1 [1] - Kaggasmoudt: KM: 4 [4] - Kakamas, 47 km NW: MMK: 1 [1] - Kalahari Gemsbok NP: MMK: 2 [2] - Kalahari-Gemsbok NP, Nossob: USNM: 1 [1] - Kanaan: TM: 1 [1] - Karoo-NP: TM: 2 [2] - Kenneth Stainbank Nature Reserve: DNSM: 1 [1] - Kgaswana Nature Reserve: TM: 1 [1] - Kimberley: MMK: 1 [1] - King WilIlam's Town: NHMZ: 2 [2] - King William's Town: KM: 5, NHMZ: 2, SAMC: 3 [5 [20] - King William's Town, 18 km NW: USNM: 2 [2] - King Williamstown: KM: 5 [5] - King WilIlam's Town: KM: 3 [3] - King WIIIlam's Town, 18 km NW: USNM: 1 [1] - King Wlillam's Town: KM: 1 [1] - King's Beach: KM: 1 [1] - Kingsburgh: DNSM: 1 [1] - Klipfontein, Waterberg: NHMZ: 3 [3] - Knoffelfontein, 22 km S: USNM: 1 [1] - Knysna: BMNH: 8, KM: 3, MNHN: 1, NHMZ: 1, SAMC: 2, TM: 11 [11 [16] - Koegelbeen Cave: MMK: 4 [4] - Koegelbeen Cave, near: MMK: 1 [1] - Komatipoort: USNM: 1 [1] - Komgha: KM: 1 [1] - Kosi Lake, Department of Health Camp: TM: 2 [2] - Koster Caves: SAMC: 1 [1] - Kranskloof Nature Reserve: TM: 1 [1] - Kruger National Park: KNP: 1 [1] - Kruger NP, Levuvhu Bridge: KM: 3 [3] - Kruger NP, Mockford's orchard, on Levubu River: SNP: 6, TM: 1 [7] - Kruger NR, Pafur: KM: 1 [1] - Kruger-NP: SNP: 1 [1] - Kruger-NP, Nwaswitshaka: SNP: 1 [1] - Kruger-NP, unspecified locality: SNP: 1 [1] - Krugersdorp: KM: 2 [2] - Kuruman: BMNH: 1, MMK: 1, USNM: 1 [3] - Kuruman, 10 km SW: MMK: 1 [1] - Kuruman, 26 km S: MMK: 1 [1] - Kuruman, 29 km NW: MMK: 1 [1] - Kuruman, 44 km SSE: MMK: 2 [2] - Kuruman, the Eye: MMK: 1, USNM: 1 [2] - KwaZulu-Natal province: BMNH: 6, CM: 3, DNSM: 2, MNHN: 1 [12] - l'extérieur de l'Áfrique méridionale: RMNH: 1 [1] - La Montagne, 280 Rotsvygie Street: TM: 1 [1] - Ladismith: KM: 1 [1] - Lambert's Bay: KM: 1 [1] - Le Roux Farm: TM: 1 [1] - Legogot: BMNH: 2 [2] - Lesetlheng: NMP: 1 [1] - Letaba Camp: TM: 2 [2] - Letaba Highwater Bridge: TM: 1 [1] - Levuvhu Hippopool: TM: 26 [26] - Limpopo province: TM: 7 [7] - Logogotu [=Legogot]: BMNH: 3 [3] - Louisvale, Orange R. 2 km N: USNM: 1 [1] - Louws Creek: USNM: 1 [1] - Luchoff: USNM: 1 [1] - Lusikisiki: KM: 4 [4] - Lydenburg Krantz: TM: 7 [7] - Lydenburg, 80 km ENE: BMNH: 1 [1] - Lynnwood Glen, Delaware Street: TM: 1 [1] - Madikwe GR: TM: 4 [4] - Maditobe [= Witsand] Dam: TM: 1 [1] - Mahagala: NMP: 1 [1] - Malelane: TM: 3 [3] - Malelane, 12 km SW: USNM: 3 [3] - Malvern: TM: 5 [5] - Manxeba windmill: TM: 1 [1] - Manzengwenya Forest Station: TM: 4 [4] - Maputa: USNM: 2 [2] - Margate, near: HZM: 2 [2] - Marie se Gat: TM: 1 [1 [18] - Mariepskop Research Station: TM: 5 [5] - Marydale, 31 km NE: MMK: 3 [3] - Mata Mata camp: MMK: 2 [2] - Mfongosi: SAMC: 3 [3] - Mhlabatini: KM: 1 [1] - Mhlopeni Ranch: DNSM: 1 [1] - Modderfontein, 3 km N: USNM: 1 [1] - Modimolle, 3 km NW: DNSM: 1 [1] - Mogale City [=Krugersdorp]: BMNH: 2 [2] - Mokeetsi: TM: 1 [1] - Molopo Nature Reserve, swimming tank: MMK: 2 [2] - Molteno: KM: 1 [1] - Montagu: KM: 2 [2] - Mooi River district: NM: 3 [3] - Morningside: DNSM: 1 [1] - Mount Ayliff: KM: 1 [1] - Mpofu Pan: DNSM: 1 [1] - Mqanduli: KM: 1 [1] - Msinga Pan: NM: 1, USNM: 1 [2] - Muggiesgat Cave: DNSM: 1 [1] - Murraysburg, E: KM: 1 [1] - Murraysburg, NW of: KM: 16 [16] - Murraysburg, SW: KM: 1 [1] - Namaqualand: KM: 5 [5] - Ndumu Game Reserve: TM: 5 [5] - near Stutterheim: KM: 1 [1] - Nelspruit: TM: 3 [3] - Nelspruit, 4 mi E, 2 mi S: USNM: 1 [1] - Nelspruit, 7 km E: USNM: 1 [1] - New Figtree Forest: TM: 4 [4] - New Mucklenuek, 351 Rey Street: TM: 1 [1] - Ngome Forest Reserve: TM: 10 [10] - Ngqeleni: KM: 3, TM: 1 [3 [1] - Ngwavuma: KM: 2 [2] - Ngwenya Lodge: TM: 1 [1] - Nkandla Forest Reserve: KM: 3 [3] - Nongoma: KM: 1 [1] - Nwanedzi River, old bridge over: TM: 1 [1] - Old Picnic Site: TM: 8 [8] - Olifants River: MMK: 2 [2] - Omdraaivlei: TM: 1 [1] - Orange River confluence: BMNH: 1 [1] - Orange River, near south bank: SAMC: 1 [1] - Oribi Gorge Nature Reserve: TM: 1 [1] - Ottoshoop: USNM: 1 [1] - Oviston NR: MMK: 1 [1] - Pafuri: TM: 19 [19] - Pafuri area, Mockford's Garden: TM: 11 [11] - Pamfret, 18 km W: MMK: 1 [1] - Papkuil: MMK: 1 [1] - Pennington: CM: 1 [1] - Philipstown: KM: 3 [3] - Picnic site: TM: 1 [1] - Piet Retief: KM: 1 [1] - Pietermaritzburg: DNSM: 1, KM: 5, TM: 1 [5 [2] - Pietermaritzburg area: DNSM: 1 [1] - Pietersburg: TM: 2 [2] - Pigeon Valley: TM: 1 [1] - Piquetburg: KM: 3 [3] - Piquetburg, N: KM: 1 [1] - Pirie Mission: KM: 1, SAMC: 1, USNM: 1 [1 [2] - Plettenberg Bay: NHMZ: 1, SAMC: 1 [2] - Pofadder,42 km NE: MMK: 1 [1] - Port Edward area: DNSM: 1 [1] - Port Elizabeth, King's Beach: HZM: 1 [1] - Port Elizabeth, S: KM: 1 [1] - Port Natal [=Durban], near: BMNH: 2 [2] - Port St Johns: KM: 2, SAMC: 2 [2 [2] - Port St. Johns: NHMZ: 1, SAMC: 3, TM: 7 [11] - Postmasburg, 21 km NNE: MMK: 1 [1] - Postmasburg, 24 km WSW: MMK: 1 [1] - Postmasburg, 25 km ENE: MMK: 4 [4] - Postmasburg, 6 km NE: MMK: 3 [3] - Potchefstroom: SAMC: 2, TM: 1, USNM: 1 [4] - Potgietersrus [= Mokopane], 25 km ESE: TM: 1 [1] - Pretoria: KM: 1, TM: 4 [1 [4] - Pretoria Zoo: TM: 1 [1] - Pretrusburg: NMB: 1 [1] - Prieska, 23 km NNW: MMK: 3 [3] - Prieska, 26 km NW: MMK: 1 [1] - Prieska, 4 km W: MMK: 2 [2] - Prieska, near: MMK: 1 [1] - Prince Albert: KM: 2 [2] - Punda Maria Camp: TM: 1 [1] - Queensburgh: DNSM: 1 [1] - Rhenosterkoppies: TM: 5 [5] - Richmond: KM: 1 [1] - Riversdale: KM: 1 [1] - Robertson: KM: 1 [1] - Rockcliff farm: TM: 1 [1] - Roodevaal Private Camp, 2 km SE: TM: 2 [2] - Roossenekal: TM: 1 [1] - Rundie Olds: MMK: 1 [1] - Rustenberg, 3 km E: USNM: 1 [1] - Sabie: TM: 1 [1] - Satara Rest Camp: TM: 2 [2] - Schaapplaats, Farm 930: TM: 1 [1] - Schaapsplaats: TM: 1 [1] - Schutse Kama, Riet R: MMK: 1 [1] - SE Elandsbaai, Farm Groote Drift: KM: 6 [6] - Shashi-Limpopo River confluence: TM: 1 [1] - Shepston Nature Reserve: TM: 1 [1] - Shingwedzi camp: TM: 5 [5] - Skoenmakerskop: NHMZ: 1 [1] - Skukuza: SNP: 1 [1] - Skukuza Camp: MNHN: 4 [4] - Skukuza camp, Sabie River: TM: 2 [2] - Skukuza staff village: TM: 2 [2] - Skukuza, 1.5 km NW: TM: 1 [1] - Smithfield: NMB: 1 [1] - Soetfontein Cave: MMK: 1 [1] - Somerset East: KM: 3 [3] - South Africa: BMNH: 1 [1] - Soutpansberg: KM: 2 [2] - Springbok, 10 km: USNM: 1 [1] - Springbok, 14 km W: USNM: 1 [1] - Sprinkbok, near: MMK: 1 [1] - St. Lucia: TM: 1 [1] - Stellenbosch: SAMC: 1 [1] - Sterkfontein Dam: TM: 1 [1] - Sterkfontein Dam Nature Reserve: TM: 1 [1] - Steynsburg: KM: 1 [1] - Stilbaai: TM: 7 [7] - Stockenstrom: KM: 2 [2] - Stolzenfels, Orange R: USNM: 1 [1] - Storms R Gorge: NHMZ: 1 [1] - Stutterheim: KM: 3 [3] - Stutterheim, W: KM: 1 [1] - Sudwala Cave: TM: 1 [1] - Sudwala Mines: TM: 1 [1] - Sunnyside: TM: 1 [1] - Sunnyside, 34 Palmcourt South: TM: 1 [1] - Table Farm, Salerm: NHMZ: 1 [1] - Tankwa Karoo NP, near: MMK: 1 [1] - Taung: TM: 1 [1] - Taung World Heritage Site: TM: 1 [1] - Tembe Elephant Park: TM: 2 [2] - Tembe National Park: MNHN: 6 [6] - Tha Banchu: NMB: 1 [1] - Thabaphaswa: TM: 1 [1] - Thabazimbi: TM: 1 [1] - The Cape: MNHN: 1 [1] - Todcaster: MMK: 1 [1] - Town Bush: KM: 2, USNM: 1 [2 [1] - Transvaal: BMNH: 1, RMNH: 1 [2] - Transvaal province: CM: 1, MCZ: 1 [2] - Tshipise, 2 km NE: USNM: 1 [1] - Tylden: SAMC: 1 [1] - Tzaneen Estate: TM: 1 [1] - Tzaneen Government Estate: TM: 1 [1] - Ubombo: KM: 1 [1] - Uitenhage: KM: 1 [1] - Umhlanga Rocks: DNSM: 1 [1] - Umhlatusi River: TM: 1 [1] - Umkomaas: BMNH: 3 [3] - Umlalazi Nature Reserve: TM: 1 [1] - Umpila Cave: DNSM: 1 [1] - Umtata: KM: 1, SAMC: 1 [1 [1] - Uniondale: KM: 1 [1] - unspecieifed location: LACM: 1 [1] - Upington, 100 km NNE: MMK: 1 [1] - Upington, near: KM: 1 [1] - Van Rhynsdorp, 7 km SE: USNM: 1 [1] - Van Rhynsdorp, NE: KM: 2 [2] - Venterskroon, 1.8 km NW: TM: 2 [2] - Venterskroon, 3 km NNE: TM: 2 [2] - VerlorenValei NR: TM: 1 [1] - Victoria East: KM: 1 [1] - Victoria West: KM: 2 [2] - Vredefort Road: BMNH: 2 [2] - Vredendal: KM: 2 [2] - Vrolijkheid Nature Reserve: DNSM: 2 [2] - Warmbaths: TM: 1 [1] - Warner Beach area: DNSM: 1 [1] - Warrenton, 47 km W: MMK: 2 [2] - Waterberg, Farm Klipfontein 54JS: TM: 15 [15] - Waterpoort: DNSM: 1 [1] - Wentworth: HZM: 1 [1] - Westville: DNSM: 2 [2] - White River, 17 km W: USNM: 1 [1] - William's Town, S: KM: 1 [1] - Williston, 45 km ENE: MMK: 1 [1] - Willowvale: KM: 1 [1] - Wilro Park: TM: 1 [1] - Witwatersrand, Langlaagte: TM: 1 [1] - WNLA Dam: TM: 5 [5] - Wodehouse: KM: 1 [1] - Wonderwerk Cave: MMK: 4 [4] - Woodlands Herberts Hope: NHMZ: 1 [1] - Worcester Division: SAMC: 1 [1] - Wynberg Hill: SAMC: 1 [1] - Zululand: KM: 1 [1] - Zweiltsha: KM: 1 [1] - Zwelitsha: KM: 3 [3 - **210** - **1059**].

South Sudan: Bahr el Jebel: ZMB: 1 [1] - Bahr el Zaraf: BMNH: 2 [2] - Fashoda, near: BMNH: 1 [1] - Gilo: SMNS: 1 [1] - Gondokoro: BMNH: 2 [2] - Malakal: USNM: 4 [4] - Mongalla: BMNH: 1 [1] - Nzara West: BMNH: 5 [5] - Tonga: ZIUE: 1 [1] - Unknown province: USNM: 1 [1] - Yambio: ROM: 2 [2 - **21**].
Spain: Las Palmas: BMNH: 1 [1] - Menorca Island: MNCN: 1 [1] - Tenerife: MNHN: 1, SMF: 1 [2 - **4**].
Sudan: Unknown locality: BMNH: 1, MNHN: 1, SMF: 2, ZFMK: 3, ZMB: 2 [1 [157] - Abu Zeit: BMNH: 1 [1] - Bahr el Abiad: BMNH: 4 [4] - Erkovit: BMNH: 2 [2] - Jebel el Funj: BMNH: 1 [1] - Jebel Marra, S foothills: BMNH: 1 [1] - Kamisu: BMNH: 1 [1] - Kanisa Janu: BMNH: 1 [1] - Khartoum: BMNH: 1, MNHN: 2, ZMB: 1 [1 [4] - Kordofan: SMF: 1 [1] - Kordofan province: BMNH: 1 [1] - Nubia: MNHN: 2, NMV: 1 [3] - Nubian Desert: MNHN: 1 [1] - Sennar: BMNH: 1, MNHN: 5, SMF: 1 [2 [5] - Sennar state: SMF: 1 [1] - Shendy: BMNH: 1 [1] - Wad Medani: USNM: 3 [3] - White Nile: MNHN: 5 [5] - Zeraf, Jebel [=mountain]: ZMB: 1 [1 - **9** - **189**].
Swaziland: Unknown locality: BMNH: 15 [15] - Hlumi Nature Reserve: DNSM: 1 [1] - Malolotja Game Reserve: TM: 1 [1] - Maloma Primary School: TM: 1 [1] - Mbabane: TM: 1 [1] - Mkhaya Game Reserve: TM: 1 [1 [1] - Mlawula Nature Reserve: BMNH: 1 [1] - Mlilwane GR.: BMNH: 1 [1] - Nottinghill Mine: TM: 1 [1] - Nsoko [=Forbes Ranch]: TM: 3 [3] - Our Lady of Sorrows: TM: 2 [2] - Siphiso campsite: DNSM: 1 [1] - Sundwini: TM: 1 [1] - Wylesdale Gold Mine: DNSM: 1 [1 - **3** - **29**].
Tanzania: Unknown locality: BMNH: 1, FMNH: 2, HNHM: 1, MCZ: 1, SMF: 3, WAM: 1 [4 [495] - Amani: BMNH: 2, LACM: 1, TM: 1, ZMB: 3 [2 [5] - Ambangulu Estate: ZMB: 3 [3] - Amboni cave: BMNH: 1 [1] - Arusha region: SMF: 3 [3] - Bagamoyo: MNHN: 11, ZMB: 2 [13] - btw. Kipara and Ikulia Rivers: HZM: 1 [1] - Bukoba district: BMNH: 1 [1] - Dar es Salaam: BMNH: 1, WAM: 10, ZMB: 3 [3 [16] - Dodoma: BMNH: 1 [1] - Ikau: HZM: 1 [1] - Itumba: HZM: 2 [2] - Kebandio island: ZMB: 1 [1] - Kiboscho: MNHN: 1 [1] - Kigoma: BMNH: 1 [1] - Kilimanjaro region: SMF: 1 [1] - Kilwa: BMNH: 1 [1] - Kisarawe: ZFMK: 1 [1] - Kiswawe: ZFMK: 1 [1] - Kiwengwa: NMP: 1 [1] - Kondoa: MNHN: 4 [4] - Kua: BMNH: 2 [2] - Kulumuzi: MNHN: 1 [1] - Kulumuzi cave: MNHN: 1 [1] - Kulumuzi caves: MNHN: 6 [6] - Lindi region: SMF: 20 [20] - Liwale: BMNH: 6, HZM: 1 [7] - Lugerungjere river: ZMB: 1 [1] - Matumbi-Berge [=Matumbi Hishlands]: ZMB: 3 [3] - Mbeya: BMNH: 1 [1] - Mbeya region: SMF: 8 [8] - Morogoro: BMNH: 1 [1] - Morogoro region: SMF: 23 [23] - Mount Usambara: MNHN: 7 [7] - Mtondo River: BMNH: 1 [1] - Mwanza region: SMF: 3 [3] - Ndala: HZM: 3 [3] - Ngombeni: BMNH: 1 [1] - Ngorongoro: TM: 1 [1] - N-slope Uluguru Mts., Kinole: ZMB: 1 [1] - Pangani Falls: ZMB: 1 [1] - Pemba Island: MNHN: 1 [1] - Pwani region: SMF: 16 [16] - Rondo Forest Reserve: HZM: 2 [2] - Rungwe Mts., Mwatesi Stream: NMZL: 1 [1] - Slave Cave: NMP: 2 [2] - Tabora: LACM: 3, ZMB: 1 [3 [1] - Tanga: LACM: 4, MNHN: 3 [4 [3] - Tanga region: SMF: 129 [129] - Tanganyika: MNHN: 2 [2] - Ugano Plantation: NMW: 1 [1] - Urambo: BMNH: 3 [3] - Usambara mountains: MNHN: 26 [26] - Ussuwi: ZMB: 6 [6] - Uto farm: ZMZ: 1 [1] - Wembere river: ZMB: 2 [2] - Weru Weru River: BMNH: 2 [2 [1] - Zanguébar: MNHN: 1 [1] - Zanzibar: BMNH: 2, MNHN: 31, SMF: 1, ZMB: 5 [39 - **30** - **871**].
The Gambia: Unknown locality: BMNH: 2, SMF: 1 [2 [52] - Abuko Nature Reserve: SMF: 4 [4] - Banjul: BMNH: 1, SMF: 1 [1 [1] - Basse: BMNH: 1 [1] - Bathurst: BMNH: 1 [1] - Bathurst, 8 mi W: USNM: 1 [1] - Kontaur: BMNH: 1 [1] - Kuntaur, 10 mi [16 km] SE: BMNH: 1 [1] - Lamin: SMF: 1 [1 - **12** - **54**].
Togo: Amoussokopé: MNHN: 1 [1] - Atakpamé: MNHN: 3 [3] - Maritime province: SMF: 3 [3] - no specific locality: BMNH: 2, ZMB: 2 [4] - Oti: ZMB: 1 [1] - Palimé: MNHN: 4 [4] - Papase: BMNH: 1 [1 - **1** - **16**].
Tunisia: Unknown locality: BMNH: 12, MNHN: 8, SMF: 61 [81] - Aïn Draham: MNHN: 1 [1] - Djebel Gloub cave: MNHN: 2 [2] - Djerba: MNHN: 2 [2] - Djerba island: MNHN: 2 [2] - Douirat: BMNH: 5 [5] - Feriana: MNHN: 2 [2] - Gafsa: MNHN: 1 [1] - Ghar Tabouda: MHNG: 1 [1] - Glong, Jebel: ZMB: 1 [1] - Kasserine caves: MNHN: 1 [1] - Nefzaoua: MNHN: 1 [1] - Oasis Tozeur: LACM: 4 [4] - Sidi Bou Zid governorate: TTU: 1 [1] - Sousse: MNHN: 3 [3] - Tatahouine: MNHN: 3 [3] - Tunis: MNHN: 5, USNM: 7, ZMB: 1 [13 - **1** - **123**].
Uganda: Unknown locality: BMNH: 390, SMF: 1, USNM: 2 [393] - 25 km NW Masindi: LACM: 4 [4] - Budongo: AMS: 2 [2] - Budongo Forest: LACM: 25 [25 [1] - Bugala island: BMNH: 2 [2] - Bukasa Island: BMNH: 1 [1] - Bunyoro: ROM: 2 [2] - Bussu: BMNH: 1 [1] - Bwamba Forest: LACM: 2 [2] - Daniba island: BMNH: 1 [1] - Entebbe: BMNH: 7, MNHN: 2 [9] - Gulu: BMNH: 1 [1] - Impenetrable Forest: LACM: 1 [1] - Itama area: LACM: 9 [9] - Itama Mine: LACM: 11 [11] - Ithama mine: LACM: 4 [4] - Kaborole: BMNH: 1 [1] - Kampala: BMNH: 2, USNM: 5 [5 [7] - Kayonza Forest: LACM: 3 [3] - Kibale Forest: LACM: 15 [15] - Kiriamo: BMNH: 1 [1] - Kyagwe county: BMNH: 1 [1] - Lake Nabugabo: BMNH: 2 [2] - Makerere: AMS: 1 [1] - Mbale: BMNH: 1 [1] - Mongiro: LACM: 4 [4] - Mount Elgon: BMNH: 8 [8 [8] - Mubuku Valley: BMNH: 1 [1] - Murchison Falls: CAS: 2 [2] - Nabumali: BMNH: 1 [1] - no specific locality: ZMB: 1 [1] - Ntandi: LACM: 26 [26 [1] - Ruwenzori SE: BMNH: 2 [2] - Rwenzori Mountains: BMNH: 1 [1] - Sukulu Hill: NMK: 2 [2] - Toro: MIZT: 1 [1] - Wasa River: BMNH: 3 [3] - West Madi: BMNH: 3 [3] - Yumbe: ZMB: 1 [1 - **118** - **453**].
Zambia: Unknown locality: BMNH: 285, SMF: 17, TM: 3 [305] - Abercorn: BMNH: 6, HZM: 5, KM: 4 [15 [3] - Baiovale [= Zambezi]: BMNH: 1 [1] - Balovale: BMNH: 6, KM: 5, MMK: 1 [5 [25] - Blue Lagoon Ranch: NHMZ: 1 [1] - Broken Hill: BMNH: 1 [1] - Bulaya: HZM: 1 [1] - Bwana Mkubwa: NHMZ: 1 [1] - Chadiza: KM: 3 [3] - Chavuma area: HZM: 2, NHMZ: 2 [4] - Chief Chlawa's: NHMZ: 1 [1] - Chikwa, Lundazi: NHMZ: 3 [3] - Chilanga: BMNH: 1, FMNH: 1, NHMZ: 5, NMZL: 1 [8] - Chilanga Cave: NHMZ: 1, USNM: 1 [2] - Chilanga-NR, Chilanga Caves: NHMZ: 8 [8] - Ching, Chavuma: NHMZ: 1 [1] - Chingi, Chavuma: NHMZ: 2 [2] - Chingola: NHMZ: 1 [1] - Chingola, Mushishima Farm: NHMZ: 2 [2] - Chinzombo: HZM: 1 [1] - Chipanga, Chipata: NHMZ: 1 [1] - Chipangali, Chipata: BMNH: 1 [1] - Chipengali area: NHMZ: 5 [5] - Chipongwe Cave: BMNH: 1, CAS: 1, NHMZ: 5 [7] - Chisela Dambo, Mporokoso: NHMZ: 1 [1] - Choma: NHMZ: 1 [1] - Fort Jameson: KM: 1, NHMZ: 11 [12] - Fort Jameson [= Chipata]: KM: 7, NHMZ: 4 [7 [4] - Fort Jameson [= Chlpata]: KM: 2 [2] - Fort Jameson [=Chipata]: KM: 2, NHMZ: 1 [2 [1] - Fort Jameson District: KM: 1, NHMZ: 1 [2] - Hillwood Farm: NHMZ: 5 [5] - Ikelenge: NHMZ: 2 [2] - Ipombe Stream: NHMZ: 1 [1] - Jimbe Stream: NHMZ: 1, NMZL: 1 [2] - Jumbe: NHMZ: 1 [1] - Kabompo [=Kabompo Boma]: NHMZ: 9 [9] - Kabompo Boma: HZM: 1, NHMZ: 11 [12] - Kabompo, NE: HZM: 1 [1] - Kabompo, near: NHMZ: 1 [1] - Kafue: USNM: 1 [1] - Kafue Gorge: BMNH: 1, HZM: 12, NHMZ: 7 [20] - Kafue NP, Chunga: NHMZ: 1 [1] - Kafue NP, Ngoma: NHMZ: 1 [1] - Kafue R: NHMZ: 1 [1] - Kafue R.: NHMZ: 1 [1] - Kalene Mission: NHMZ: 1 [1] - Kalichero: NHMZ: 4 [4] - Kalomo: TM: 1 [1] - Kalomo District: NHMZ: 1 [1] - Kalomo R: NHMZ: 2 [2] - Kalomo, 24 km E: NHMZ: 1 [1] - Kanyale Stream: ROM: 1 [1] - Karabe, Lake Tanganylka: NHMZ: 1 [1] - Kasama: BMNH: 1, KM: 7 [7 [1] - Kasama, E: KM: 1 [1] - Kasama, N: NMZL: 1 [1] - Kasanka National Park: DNSM: 2, NHMZ: 1 [3] - Kasempa Boma: NHMZ: 1 [1] - Kasempa, S: NHMZ: 1 [1] - Kawambwa: NHMZ: 1 [1] - Kilwa Island: HZM: 1, NMZL: 3 [4] - Kunyale Stream: HZM: 1 [1] - Leopard's Hill Cave: UZMZ: 1 [1] - Limulunga: MMK: 2 [2] - Livingston [1752S 2551E] and Lochinvar [1551S 2714E], between: NHMZ: 1 [1] - Livingstone: KM: 2, NMP: 1, NMZL: 2 [2 [3] - Lochinvar: NMZL: 4 [4 [6] - Lochinvar Kafue Flats: NHMZ: 2 [2] - Lochinvar Ranch: UZMZ: 1 [1] - lsoka: KM: 1 [1] - Luambe Game Camp: NHMZ: 5 [5] - Luangwa NP, Nsefu: NHMZ: 1 [1] - Luangwa River: LACM: 8, NHMZ: 1 [9] - Luangwa Valley: LACM: 3, NHMZ: 2 [5] - Luangwa Valley, Mfuwe: NHMZ: 2, NMZL: 1 [1 [2] - Luangwa Valley, Nsefu: HZM: 1 [1] - Luangwa Valley, Petauke: BMNH: 2, KM: 3 [3 [2] - Luanshya: BMNH: 1, USNM: 1 [2] - Luanshya, 6 mi S: HZM: 3 [3] - Lundazi: HZM: 1, KM: 1, NHMZ: 1 [1 [2] - Lusaka: NHMZ: 1, TM: 1 [1 [1] - Lutembwe: NHMZ: 1 [1] - Mafinga Mountains: NMZL: 1 [1] -

Makutu Mountains: NMZL: 1 [1] - Mandala Camp: NHMZ: 1 [1] - Mazabuka: BMNH: 1, NMZL: 1 [2] - Mblundu River: BMNH: 2 [2] - Mfuwe Game Camp: NHMZ: 7 [7] - Missale Customs Post: NHMZ: 1 [1] - Missale Old Mine: BMNH: 4, NHMZ: 37 [41] - Mkwisi: KM: 1 [1] - Mongu: KM: 3 [3] - Mount Makulu: NMZL: 1 [1] - Mpika: BMNH: 1 [1] - Mpomwa Hills: NHMZ: 1 [1] - Mpomwa Hills, Chipata: NHMZ: 1 [1] - Mporokoso: KM: 1 [1 [2] - Muckle Neuk: NMZL: 3 [3] - Mumbwa Caves: NHMZ: 3 [3] - Munali: NMZL: 1 [1] - Mundwiji Plain: NMZL: 1 [1] - Muozi [= Mwoji] R: BMNH: 1 [1] - Muozj [=Mwoji] R.: BMNH: 1 [1] - Mushishima Farm: NHMZ: 1 [1] - Mwinilunga: BMNH: 1 [1] - Naleza: CAS: 1, UZMZ: 2 [3] - Namantombwa Hill: UZMZ: 1 [1] - Nansai Farm: NHMZ: 1 [1] - Nansai Farm, Choma: NHMZ: 2 [2] - Nchelenge: NMZL: 1 [1] - Ndanda Dambo: NHMZ: 14 [14] - Ndanda School: NHMZ: 13 [13] - Ndola: BMNH: 3, HZM: 1, KM: 1 [1 [4] - Ngwerere cave: HZM: 1, NMZL: 5, ROM: 1, UZMZ: 1 [8] - Ngwerere Siding: BMNH: 1 [1] - Nkambwa Hill: NHMZ: 1 [1] - North Luangwa National Park: NMP: 1 [1] - Nsefu Game Camp: NHMZ: 2 [2] - Nsumbu, N Lake Bangweulu: BMNH: 1 [1] - Nyika NP: NMZL: 2 [2] - Nylka NR: NMZL: 1 [1] - Pwira Pan: NHMZ: 2 [2] - Pwlra Pan: NHMZ: 1 [1] - Reitfontein: NMZL: 1 [1] - Sakeji Mavunda: NHMZ: 1 [1] - Sakeji School: NHMZ: 6 [6] - Sakeji Stream: NHMZ: 1 [1] - Sakeji Stream, headwaters: NMZL: 2, ROM: 1 [3] - Salujinga: BMNH: 2 [2] - Samfya: NHMZ: 1, NMZL: 1 [2] - Sasare Old Mine: NHMZ: 17 [17] - Sasare Old Mine, Petauke: NHMZ: 2 [2] - Senenga, 50 km NE: NHMZ: 8 [8] - Senenga, 50km NE: NHMZ: 1 [1] - Senenga, 59 km NE: NHMZ: 1 [1] - Senenga, S km NE: NHMZ: 1 [1] - Seneriga, 50 km NE: NHMZ: 1 [1] - Serenje: KM: 2 [2] - Sioma Bush Camp: NMP: 2 [2] - Solwezi: KM: 1 [1] - Solwezi: HZM: 4, NHMZ: 5 [9] - South Luangwa Valley, Mfuwe: NHMZ: 1 [1] - South Luangwa Valley, Mfuwe: BMNH: 1, NMZL: 1 [2] - Sumbu: NHMZ: 1 [1] - Sunza [=Sunzu] Mountain: KM: 1 [1] - Tembwe Village: NHMZ: 1 [1] - Waterfall Farm: NMZL: 1 [1] - Zambezi: MNHN: 1 [1] - Zambezi Rapids Ikelenge: NHMZ: 1 [1] - Zambezi River plains: MNHN: 1 [1] - Zambezi River, middle, N of: MNHN: 1 [1] - Zimba,19 km away: NMZL: 1 [1 - **64** - **743**].

Zimbabwe: Unknown locality: BMNH: 146, HZM: 1, MMK: 1, MNHN: 8, NHMZ: 1, SMF: 2, TM: 1 [160] - 3rd Street: NHMZ: 1 [1] - Ada Estates: NHMZ: 4 [4] - Alfafa Ranch Lonely Mine: NHMZ: 1 [1] - Angwa: MNHN: 1 [1] - Angwa River: MNHN: 5 [5] - Arcturus: NHMZ: 1 [1] - Atlantica Research Station: NHMZ: 4 [4] - Avondale: NHMZ: 1 [1] - Baines Ave: NHMZ: 1 [1] - Banket: NHMZ: 1 [1] - Barberton Ranch: NHMZ: 1 [1] - Baruka cave: USNM: 1 [1] - Bashungwe Cave: NHMZ: 1 [1] - Batoka Gorge: NHMZ: 2 [2] - Beacon Hill: NHMZ: 1 [1] - Beitbridge: NHMZ: 2 [2] - Benzie's Bridge, Shangani R: NHMZ: 1 [1] - Benzie's Bridge, Shangani R: NHMZ: 3 [3] - Benzie's Bridge, Shangani R.: NHMZ: 1 [1] - Benzie's Bridge, Shanganl R: NHMZ: 1 [1] - Benzje's Bridge, Shangani R.: NHMZ: 1 [1] - Birchenough Bridge: ROM: 1 [1] - Bonda Mission: NHMZ: 1 [1] - Bopoma River Camp: NHMZ: 1 [1] - Bopoma River Camp, Chimanda: NHMZ: 1 [1] - Borrowdale: NHMZ: 4 [4] - Bridge: NHMZ: 1 [1] - Bubye R: NHMZ: 6 [6] - Bubye R, Chikwarakwara: NHMZ: 2 [2] - Bubye R., Chikwarakwara: NHMZ: 1 [1] - Buchwa Iron Mine: NHMZ: 2 [2] - Buffalo Bend: NHMZ: 2 [2] - Buffalo Range, Field station: NHMZ: 1 [1] - Bulawayo: BMNH: 1, NHMZ: 22, USNM: 1 [24] - Bulawayo Natural History Museum: NHMZ: 1 [1] - Bulawayo, 20 km N: NHMZ: 1 [1] - Bulawayo, Industrial Site: NHMZ: 1 [1] - Bulawayo, Lakeside: NHMZ: 1 [1] - Bulldog Mine: NHMZ: 1 [1] - Bumbusie Gorge: NHMZ: 1 [1] - Bushtick Mine: NHMZ: 1 [1] - Busi R, Manjolo: NHMZ: 2 [2] - Camp-Katembora: NHMZ: 1 [1] - Carrick Creagh Farm: NHMZ: 2 [2] - Chamatema Dam: NHMZ: 1 [1] - Chenahunga, Bumi R: NHMZ: 1 [1] - Chesengu Valley: NHMZ: 1 [1] - Chete: NHMZ: 2 [2] - Chete Safari Area, Eastern Section: NHMZ: 2 [2] - Chete, Chifumbi Spring: NHMZ: 3 [3] - Chete, Eastern Section: NHMZ: 8 [8] - Chete, Kabaya Bay: NHMZ: 1 [1] - Chewore R, Mkanga Bridge: NHMZ: 1 [1] - Chewore/Zambezi Confluence: NHMZ: 1 [1] - Chibero: NHMZ: 1 [1] - Chikombedzi: NHMZ: 1 [1] - Chikupo Caves: TM: 2 [2] - Chikupu [=Chikupo] Caves: NHMZ: 34, ROM: 6 [40] - Chikwarakwara: NHMZ: 22 [22] - Chikwarakwara Irrigation Scheme: NHMZ: 3 [3] - Chikwarakwara, Pesu R Gorge: NHMZ: 7 [7] - Chikwarakwara, Pesu R. Gorge: NHMZ: 2 [2] - Chilo Cave, Lone Star Ranch: NHMZ: 1 [1] - Chimanda CL: NHMZ: 2 [2] - Chimanimani, Corner: NHMZ: 2 [2] - Chinanga Dam: NHMZ: 5 [5] - Chinanga Dam, Maramba: NHMZ: 3 [3] - Chinhoyi Caves: HZM: 1, NHMZ: 4 [5] - Chinhoyi, Badze Cave: NHMZ: 4 [4] - Chinhoyi, Baruka Cave: NHMZ: 2 [2] - Chinhoyi, Bashungwe Cave: NHMZ: 1 [1] - Chinhoyi, Orchard Cave: NHMZ: 1 [1] - Chinoyi: HZM: 4, NHMZ: 2 [6] - Chinoyi, Orchid Cave: NHMZ: 1 [1] - Chipangayi: HZM: 1 [1] - Chipinda Pools: NHMZ: 2 [2] - Chipingayi Bridge, Save Valley: NHMZ: 1 [1] - Chiredzi: NHMZ: 9 [9] - Chiredzi Research Station: NHMZ: 4 [4] - Chiredzi, 24 km E: NHMZ: 3 [3] - Chiredzi, Lone Star Ranch: NHMZ: 5 [5] - Chiribira Falls: NHMZ: 2 [2] - Chirinda: NHMZ: 1 [1] - Chirinda Forest: NHMZ: 2, TM: 2, USNM: 1 [5] - Chirinda Forest, Gungunyama: NHMZ: 1 [1] - Chirisa Cave: NHMZ: 6 [6] - Chirisa SA, Magurazino R: NHMZ: 5 [5] - Chirisa SA, Magurazjno R.: NHMZ: 1 [1] - Chishakwe Camp, 2 km E: NHMZ: 7 [7] - Chishakwe Camp, 3 km E: NHMZ: 3 [3] - Chishakwe Ranch: NHMZ: 2 [2] - Chisuma, Dibutibu R: NHMZ: 1 [1] - Chisuma, Dibutibu R.: NHMZ: 1 [1] - Chitove Tsetse Camp: NHMZ: 1 [1] - Chitowe Camp, Runde R: NHMZ: 1 [1] - Chivi: NHMZ: 5 [5] - Chivi Communal Land: NHMZ: 3 [3] - Chizarira NP, HQ: NHMZ: 1 [1] - Chizarira NP, Manzituba: NHMZ: 1 [1] - Chizarira NP, Mchesu R: NHMZ: 5 [5] - Chizarira NP, Mucheni Gorge: NHMZ: 3 [3] - Chizarira-NP, Baruri Gorge: NHMZ: 2 [2] - Chizarira-NP, Manzituba: NHMZ: 3 [3] - Chizarira-NP, Mchesu River: NHMZ: 1 [1] - Chizarlra NP, Manzituba: NHMZ: 1 [1] - Chlkwarakwara: NHMZ: 1 [1] - Chlkwarakwara, Pesu R Gorge: NHMZ: 1 [1] - Chlredzi Research Station: NHMZ: 1 [1] - Chlshawasha: SAMC: 1 [1] - Chori Dam: NHMZ: 2 [2] - Chori Dam, Tokwa Ngarwe: NHMZ: 3 [3] - Chori Dam,Tokwa Ngarwe: NHMZ: 1 [1] - Christon Bank: NHMZ: 2 [2] - Civic Centre: NHMZ: 1 [1] - Cleveden Farm, Mangwe: NHMZ: 2 [2] - Cleveland Dam: NHMZ: 2 [2] - Colleen Bawn: NHMZ: 1 [1] - Concession: NHMZ: 1 [1] - Cotswold farm: NHMZ: 1 [1] - Cotter Marondera: NHMZ: 1 [1] - Crowborough Sewage Works: NHMZ: 3 [3] - Crowborough SewageWorks: NHMZ: 1 [1] - Dagati Pan: NHMZ: 1 [1] - Dam-Wall-G/S-Camp: NHMZ: 1 [1] - Darwendale: NHMZ: 2 [2] - Davimbi School, 5 km N: NHMZ: 1 [1] - Dawn Hill Mine: NHMZ: 1 [1] - Deka-Zambezi R Confluence: NHMZ: 1 [1] - Deka-Zambezi R Confluence: NHMZ: 4 [4] - Denja Camp, Matetsi: NHMZ: 1 [1] - Dete: NHMZ: 3 [3] - Dibutibu R: NHMZ: 2 [2] - Dibutibu R, Batoka: NHMZ: 4 [4] - Dichwe: NHMZ: 2 [2] - Dick's Mine, Mutanda: NHMZ: 1 [1] - Dinosaur Trackway: NHMZ: 1 [1] - Doddieburn Ranch: BMNH: 1, NHMZ: 4 [5] - Dorowa Mine: NHMZ: 4 [4] - Douglasdale: NHMZ: 1 [1] - Dumbu Pan: NHMZ: 3 [3] - Dunblaine Martin Forest: USNM: 1 [1] - Dwala Ranch: NHMZ: 7 [7] - Dwala Ranch, Bubiana: NHMZ: 2 [2] - Dwala Ranch, Bubiana River: NHMZ: 8 [8] - Eirene farm: NHMZ: 13 [13] - Elrene Farm, Marondera: NHMZ: 1 [1] - Enyandeni: NHMZ: 1 [1] - Esigodini: NHMZ: 2 [2] - Esigodini, Falcon College: NHMZ: 4 [4] - Esigodini, Willow Park: NHMZ: 1 [1] - Esigodlni, Willow Park: NHMZ: 1 [1] - Essexvale Ranch: NHMZ: 1, USNM: 1 [2] - Fairbridge Park: NHMZ: 2 [2] - Falcon College: NHMZ: 9 [9] - Falcon College, Bushtick Mine: NHMZ: 96 [96] - Farm 26, Kwekwe: NHMZ: 1 [1] - Fern Valley: NHMZ: 2 [2] - Feruka: NHMZ: 1 [1] - Filabusi, 14 km W: HZM: 1 [1] - Fishans, Lower Runde R: NHMZ: 2 [2] - Forest Hill: NHMZ: 2 [2] - Forest Hill, Lupane: NHMZ: 1 [1] - Fort Rixon: NHMZ: 6 [6] - Fortune's Gate: NHMZ: 1 [1] - Frog Mine: NHMZ: 12 [12] - Frog Mine, Mupfure R: NHMZ: 2 [2] - Gatshe Gatshe Bay: NHMZ: 6 [6] - Gem Farm: NHMZ: 1 [1] - Gem Farm, Beitbridge: NHMZ: 4 [4] - Gimboki: NHMZ: 1 [1] - Gleneagles: NHMZ: 1 [1] - Glenisla, Marondera: NHMZ: 1 [1] - Gokwe: NHMZ: 1 [1] - Gonarezhou NP, Chipinda Pools: NHMZ: 1 [1] - Gonarezhou NP, Chipinda Pools: NHMZ: 5 [5] - Gonarezhou NP, Mabalauta: NHMZ: 6 [6] - Gonarezhou NP, Nyabungwe Camp: NHMZ: 1 [1] - Gonarezhou NP,Chipinda Pools: NHMZ: 1 [1] - GonareZhou-NP, Guluene Corridor South: NHMZ: 23 [23] - GonareZhou-NP, Mabalauta Camp: NHMZ: 1 [1] - Gordon Park: NHMZ: 3 [3] - Goromonzi: NHMZ: 1 [1] - Gowlay Block Lonely Mine: NHMZ: 2 [2] - Graveshead Farm, Bembesi: NHMZ: 1 [1] -

Great Zimbabwe: NHMZ: 41 [41] - Great Zimbabwe, Garden Cave: ROM: 5 [5] - GreatZimbabwe: NHMZ: 11, ROM: 1, USNM: 1 [13] - Greystone Park: NHMZ: 1 [1] - Groenko Farm: NHMZ: 1 [1] - Guhudza Mountain, Chivi: NHMZ: 3 [3] - Guluene: NHMZ: 1 [1] - Gumela Farm, Kezi: NHMZ: 1 [1] - Gutu Mission: NHMZ: 5 [5] - Gwaai Reserve, Nata R: NHMZ: 1 [1] - Gwabalanda: NHMZ: 1 [1] - Gwanda: NHMZ: 3 [3] - Gwayi R Bridge: NHMZ: 2 [2] - Gwayi R Bridge, 2 km N: NHMZ: 1 [1] - Gwayi River, 1 km N: NHMZ: 1 [1] - Gweru: NHMZ: 2 [2] - Gweru Teachers Training College: NHMZ: 1 [1] - Gweru, E: NHMZ: 1 [1] - Gwingingwi farm: NHMZ: 1 [1] - Haig Park: NHMZ: 1 [1] - Happy Valley Farm: ROM: 27 [27] - Harare: HZM: 2, NHMZ: 30, SAMC: 1, USNM: 1 [34] - Harare [=Salisbury]: TM: 1 [1] - Harare [=Salisbury], Thornpark: NHMZ: 6 [6] - Harare Centre: NHMZ: 2 [2] - Harare, 19 km NW: NHMZ: 1 [1] - Harare, Atlantica Research Station: NHMZ: 1 [1] - Harare, Borrowdale: NHMZ: 1 [1] - Harare, Borrowdale Brook: NHMZ: 1 [1] - Harare, Christon Bank: NHMZ: 1 [1] - Harare, Civic Centre: NHMZ: 1 [1] - Harare, Cleveland Dam: NHMZ: 1 [1] - Harare, Cranborne: NHMZ: 1 [1] - Harare,16 km NE: NHMZ: 1 [1] - Harare,19 km NW: NHMZ: 1 [1] - Harare. Cleveland Dam: NHMZ: 1 [1] - Haroni Forest: NHMZ: 2 [2] - Haroni Valley: NHMZ: 1 [1] - Haroni-Lusitu Beacon 74: HZM: 1 [1] - Haroni-Rus~u R Confluence,: HZM: 1 [1] - Haroni-Rusitu R Confluence: NHMZ: 5 [5] - Hazeldene: NHMZ: 1 [1] - Heany: NHMZ: 1 [1] - Helensvale: HZM: 1 [1] - Henderson Research Station: USNM: 1 [1] - High School Marondera: NHMZ: 1 [1] - Highlands School: NHMZ: 1 [1] - Hillandale, Kwekwe: NHMZ: 1 [1] - Hillside: NHMZ: 3 [3] - Hippo Valley, Cistrus Estates: NHMZ: 2 [2] - Hippo Valley, Kutanga Estates: NHMZ: 6 [6] - Hippo Valley, Old Village: NHMZ: 1 [1] - Homestead Mine: NHMZ: 3 [3] - Honde-Mtarazi R confluence: NHMZ: 1 [1] - Hope Fountain Mission: NHMZ: 5 [5] - Hospital: NHMZ: 1 [1] - Hostes Nicoll Research Institute: NHMZ: 1 [1] - Hoya River Camp: NHMZ: 3 [3] - Hoya River Camp, Muzarabani: NHMZ: 3 [3] - Humani Ranch: NHMZ: 5 [5] - Hwange NP, Bumbusle: NHMZ: 1 [1] - Hwange NP, Dete area: NHMZ: 1 [1] - Hwange NP, Inyantue: NHMZ: 1 [1] - Hwange NP, Kapami: NHMZ: 1 [1] - Hwange NP, Main Camp: NHMZ: 11 [11] - Hwange NP, Makalowa Pan: NHMZ: 3 [3] - Hwange NP, Mandundumela Pan: NHMZ: 1 [1] - Hwange NP, Ngamo Pan: NHMZ: 4 [4] - Hwange NP, Ngweshla Pan: NHMZ: 1 [1] - Hwange NP, Shapi: NHMZ: 1 [1] - Hwange NP, Shumba Pan: NHMZ: 1 [1] - Hwange NP, Umtshibi: NHMZ: 1 [1] - Hwange NR Main Camp: NHMZ: 1 [1] - Hwange NR, Ngamo Pan: NHMZ: 1 [1] - Hwange Safari Lodge: NHMZ: 1 [1] - Hwange-NP, Main Camp: HZM: 1, NHMZ: 2 [3] - Hwange-NP, Ngamo Pan: NHMZ: 1 [1] - Ingezi River: NHMZ: 1 [1] - Ingwe Mine: NHMZ: 14 [14] - Insuza Vlei, Gwaai Forest: NHMZ: 2 [2] - Inwesi Ranch Syringa: NHMZ: 1 [1] - Inyankuni: NHMZ: 1 [1] - Inyati Farm: NHMZ: 1 [1] - Jeff Estate: NHMZ: 3 [3] - Juliasdale: NHMZ: 1 [1] - Kabuba Camp: NHMZ: 3 [3] - Kabuba Camp, Manjolo: NHMZ: 2 [2] - Kambuzuma: NHMZ: 1 [1] - Kandaha: NHMZ: 1 [1] - Kanjedza River: NHMZ: 4 [4] - Kanyati: TM: 1 [1] - Kanyemba: NHMZ: 5 [5] - Kariba: NHMZ: 3 [3] - Kariba, island in: NHMZ: 1 [1] - Kariba, lake: NHMZ: 2 [2] - Kariba, Mopane Bay: NHMZ: 1 [1] - Karna Block Ranch: NHMZ: 1 [1] - Karoi: NHMZ: 2 [2] - Katombora Rapids: NHMZ: 39 [39] - Kaukua Cave: NHMZ: 2 [2] - Kazangula: NHMZ: 3 [3] - Kingsway: HZM: 1 [1] - Kudu Asbestos Mine: NHMZ: 1 [1] - Kudzwé [dam]: MNHN: 8 [8] - Kudzwe River, near: MNHN: 8 [8] - Kwekwe Ranch: NHMZ: 1 [1] - Kwizizi R, Deka Valley: NHMZ: 3 [3] - Lake Kariba: NHMZ: 3 [3] - Lake Kariba Game Camp: NHMZ: 2 [2] - Lake Kariba Heights: NHMZ: 1 [1] - Lake Kariba, Gatshe Gatshe Bay: NHMZ: 6 [6] - Lake Kariba, Kanyati Camp: NHMZ: 1 [1] - Lake Kariba, Mwenda: NHMZ: 1 [1] - Lake Kyle NP: NHMZ: 2 [2] - Lake Kyle NR: NHMZ: 1 [1] - Lake McIlwaine: NHMZ: 1 [1] - Lake Mcllwaine: NHMZ: 15 [15] - Lakeside: NHMZ: 1 [1] - Lannerhurst Mine: NHMZ: 2 [2] - Lannerhurst Mine, West Nicolson: NHMZ: 1 [1] - Limestone Cave, Kyle: NHMZ: 2 [2] - Limpopo R: NHMZ: 2 [2] - Limpopo Valley, Sentinal Ranch: NHMZ: 2 [2] - Limpopo-Shashi R Confluence: NHMZ: 1 [1] - Lion and Cheetah Park: TM: 2 [2] - lngwe Mine: NHMZ: 1 [1] - lngwe Safari: NHMZ: 3 [3] - lnsuza Vlei, Gwaai Forest: NHMZ: 1 [1] - Lomagundi: NHMZ: 1 [1] - Lone Star Ranch: NHMZ: 6 [6] - Lucilia Port, Shurugwi: NHMZ: 1 [1] - Lumane Valley: NHMZ: 1 [1] - Lunare valley: NHMZ: 1 [1] - Lundi [= Runde] R: HZM: 1 [1] - Lusuiu Tsetse Station, Sebungwe: NHMZ: 1 [1] - Lusulu Tsetse Station: NHMZ: 4 [4] - Lusulu Tsetse Station, Sebungwe: NHMZ: 1 [1] - Lutope and Sengwa Rivers confluence: NHMZ: 1 [1] - Lutope Ngolangola Confluence: NHMZ: 23 [23] - Lutope-Ngoiangola R Confluence: NHMZ: 1 [1] - Lutope-Ngolangola R Confluence: NHMZ: 1 [1] - Lutope-Ngolangola R Confluence: NHMZ: 6 [6] - Mabalanta Camp: NHMZ: 1 [1] - Mabura , Cave, Ngondoma R: NHMZ: 1 [1] - Mabura 1 Cave: NHMZ: 82 [82] - Mabura 1 Cave, Ngondoma R: NHMZ: 3 [3] - Mabura 2 Cave: NHMZ: 1 [1] - Mabura 2 Cave, Munyati R: NHMZ: 5 [5] - Mabura 2 Cave, Munyati R.: NHMZ: 1 [1] - MacDougall's TunneI: NHMZ: 1 [1] - MacDougall's Tunnel, Triangle: NHMZ: 3 [3] - Mafungabusi Forest: NHMZ: 1 [1] - Magurazino River: NHMZ: 1 [1] - Mahenge, Lower Save: NHMZ: 1 [1] - Maiugwe Pan: HZM: 1 [1] - Majorca Ranch, Kwekwe: NHMZ: 2 [2] - Makonde Hill, Save Valley: NHMZ: 4 [4] - Makurupini: NHMZ: 1 [1] - Makwiro: NHMZ: 1 [1] - Malapati: NHMZ: 1 [1] - Malapati Nuanetsi River: NHMZ: 1 [1] - Malilangwe Conservancy [=Lone Star Ranch]: NHMZ: 3 [3] - Malipati: NHMZ: 1 [1] - Malugwe Pan: NHMZ: 2 [2] - Mana Pools NP: HZM: 1, NHMZ: 4 [5] - Mana Pools NP, Nyamepi: NHMZ: 3 [3] - Mana Pools NP, Sapi R.: NHMZ: 1 [1] - Mana Pools NR, Nyamepi: NHMZ: 1 [1] - Mana Pools-NP: HZM: 1, TM: 6 [7] - Mana Pools-NP, Nyamepi Camp: NHMZ: 1 [1] - Mangwe, Vashu Farm: NHMZ: 3 [3] - Mangwe,Vashu Farm: NHMZ: 1 [1] - Mangwindi Gorge, Mtillkwe R: NHMZ: 1 [1] - Manyambara: NHMZ: 2 [2] - Manyeringa Farm, Guruve: NHMZ: 1 [1] - Manyima River: NHMZ: 15 [15] - Marivaile Ranch: NHMZ: 1 [1] - Marivalle Ranch: NHMZ: 5 [5] - Marlborough Sewage Works: NHMZ: 1 [1] - Marondera: NHMZ: 5 [5] - Martin Forest Reserve: USNM: 1 [1] - Marymount mission: NHMZ: 1 [1] - Mashonaland West province: SMF: 8 [8] - Mashumbi Pools: NHMZ: 1 [1] - Masingwa R: NHMZ: 1 [1] - Masingwa River: HZM: 1, NHMZ: 9 [10] - Masvingo, 160 km NE: NHMZ: 1 [1] - Masvingo, 30 km SE: ROM: 1 [1] - Masvingo,16 km W: NHMZ: 1 [1] - Matabeie Sheba Mine, Esigodini: NHMZ: 1 [1] - Matabele Sheba Mine: NHMZ: 1 [1] - Matema Camp: NHMZ: 1 [1] - Matetsi: NHMZ: 1 [1] - Matetsi SA, HQ: NHMZ: 1 [1] - Matetsi SA, Tshope vlei: NHMZ: 3 [3] - Matobo Hills: NHMZ: 2 [2] - Matobo Hills, Amalinda Camp: NHMZ: 1 [1] - Matobo Hills, Bale Hill Cave: NHMZ: 1 [1] - Matobo Hills, Diana’s Pool: NHMZ: 1 [1] - Matobo Hills, Diana's Pool: NHMZ: 3 [3] - Matobo Hills, Lumane Valley: NHMZ: 7 [7] - Matobo Hills, Mtshavezi Valley: NHMZ: 6 [6] - Matobo Hills, Mtshavezi Valley,: NHMZ: 1 [1] - Matobo Hills, Mtshelele Valley: NHMZ: 1 [1] - Matobo Hills, Shambanyama R.: NHMZ: 1 [1] - Matobo Hills, Tendele R: NHMZ: 1 [1] - Matobo Hills, Totololo R: NHMZ: 4 [4] - Matobo Hills, Totololo R.: NHMZ: 1 [1] - Matobo HIlis, Lumane Valley: NHMZ: 1 [1] - Matobo NP: NHMZ: 3 [3] - Matobo NP, Gordon Park: NHMZ: 1 [1] - Matobo NP, Lower Outspan: NHMZ: 2 [2] - Matobo NP, Maleme Dam: NHMZ: 1 [1] - Matobo NP, Whitewaters Dam: NHMZ: 4 [4] - Matobo NR, Whitewaters Dam: NHMZ: 1 [1] - Matobo Research Station: NHMZ: 7 [7] - Matopo Hills, Lumane Falls: NHMZ: 2 [2] - Matopo Hills, Maleme Valley: NHMZ: 1 [1] - Matopo, Mtshabezi Valley: NHMZ: 2 [2] - Mavuradonha Wilderness Area: NHMZ: 1 [1] - Mazoe: BMNH: 1, NHMZ: 1 [2] - Mazoe R: NHMZ: 1 [1] - Mazowe: BMNH: 1 [1] - Mbalabala: NHMZ: 2 [2] - Mberengwa Mountain: NHMZ: 6 [6] - Mcheni Gorge: BMNH: 3 [3] - Mcllwaine, lake: NHMZ: 3 [3] - Merrywaters: NHMZ: 1 [1] - Mhangura, 8 km N: NHMZ: 1 [1] - Mill's Farm: NHMZ: 1 [1] - Mkota NR: NHMZ: 1 [1] - Monavale: NHMZ: 1 [1] - Morgenster Mission: NHMZ: 2 [2] - Mount Selinda: USNM: 1 [1] - Mrewa: NHMZ: 1 [1] - Msandane Hill, Shashi R: NHMZ: 1 [1] - Msitive and Mtoroshanga rivers, confluence: NHMZ: 1 [1] - Mtshabezi Bridge: NHMZ: 1 [1] - Mtshavezi valley: NHMZ: 2 [2] - Munyati: NHMZ: 1 [1] - Munyati Bridge: NHMZ: 1 [1] - Munyati R: NHMZ: 2 [2] - Munyati, Rhino [=Chimsoro] Cave: NHMZ: 4 [4] - Murehwa Caves: NHMZ: 2 [2] - Musemu Farm: NHMZ: 2 [2] - Musemu Farm, Norton: NHMZ: 1 [1] - Musengezi River: NHMZ: 3 [3] - Musengezi River Confluence: NHMZ: 4 [4] - Mushandike NP: NHMZ: 4 [4] - Mushandike

NR Matema Camp: NHMZ: 1 [1] - Mushandike-NP: NHMZ: 1 [1] - Mushandike-NP, Matema Camp: NHMZ: 3 [3] - Mushandlke NP: NHMZ: 1 [1] - Mutambaramwe Cave: NHMZ: 1 [1] - Mutanda: NHMZ: 2 [2] - Mutanda Hills, Save Drift: NHMZ: 2 [2] - Mutare: HZM: 1, NHMZ: 64, ROM: 37 [102] - Mutare Asbestos Mine: NHMZ: 39 [39] - Mutare Boys High School: NHMZ: 1 [1] - Mutare Museum: NHMZ: 1 [1] - Mutare,15 km W: NHMZ: 11 [11] - Mutoko Communal Land, Nyandia Dam: NHMZ: 3 [3] - Muzarabani Clinic: NHMZ: 17 [17] - Muzarabani, Arda Office: NHMZ: 2 [2] - Muzarabani, Staff House: NHMZ: 1 [1] - Muzvezve Communal Land: NHMZ: 4 [4] - Muzvezve NR: NHMZ: 1 [1] - Muzvezve Resettlement Scheme: NHMZ: 1 [1] - Mvuma: NHMZ: 2 [2] - Mvuma, 6 km SW: NHMZ: 1 [1] - Mvurwi: NHMZ: 2 [2] - Mzankwe Bridge, 3 km N: NHMZ: 1 [1] - Mzola Camp: NHMZ: 6 [6] - N'dola: BMNH: 1 [1] - Netridge Farm: NHMZ: 4 [4] - Netridge Farm, Calcite Cave: ROM: 1 [1] - Ngamo Gwaai Reserve: NHMZ: 3 [3] - Ngondoma, Mabura 1 Cave: NHMZ: 1 [1] - Ngorima Reserve: USNM: 2 [2] - No 2 Adit: NHMZ: 1 [1] - Norah Valley Bromley: NHMZ: 1 [1] - Nottingham Estates: NHMZ: 5 [5] - Ntabanende farm, Esigodini: NHMZ: 1 [1] - Nwanetsi: TM: 3 [3] - Nyadire River Camp: NHMZ: 2 [2] - Nyadire River Camp, Pfungwe: NHMZ: 3 [3] - Nyadiri R: NHMZ: 4 [4] - Nyadiri R.: NHMZ: 1 [1] - Nyadiri River: NHMZ: 1 [1] - Nyadiri River, near bridge: NHMZ: 1 [1] - Nyadlre River Camp, Pfungwe: NHMZ: 1 [1] - Nyagui R: NHMZ: 6 [6] - Nyagui R, 2 km N of Chenjerai confluence: NHMZ: 1 [1] - Nyagui R,2 km N of Chenjerai confluence: NHMZ: 1 [1] - Nyajena: NHMZ: 2 [2] - Nyamandhlovu: NHMZ: 10 [10] - Nyamunyeche: NHMZ: 3 [3] - Nyamunyeche, Mvurwi: NHMZ: 6 [6] - Nyandia Dam: NHMZ: 13 [13] - Nyanga: NHMZ: 3 [3] - Nyanumi River: NHMZ: 2 [2] - Nyashato Dam: NHMZ: 35 [35] - Nyazura: NHMZ: 1 [1] - Odzi: BMNH: 1, NHMZ: 4 [5] - Odzi district: BMNH: 1 [1] - Old Umtali: HZM: 1 [1] - Orchard Cave: HZM: 1, NHMZ: 2 [3] - Parkmeadowland: NHMZ: 1 [1] - Peak Mine: NHMZ: 1 [1] - Peak Mine, Belingwe: HZM: 1 [1] - Penhalonga: NHMZ: 10 [10] - Penrose Farm,: NHMZ: 1 [1] - Penrose Farm, Mvurwi: NHMZ: 1 [1] - Pesu R Gorge: NHMZ: 4 [4] - Pesu River Gorge: NHMZ: 1 [1] - Peterhouse School: NHMZ: 4 [4] - Plumtree School: NHMZ: 2 [2] - Porte Angwa Junction: NHMZ: 1 [1] - Princess Farm: NHMZ: 3 [3] - Princess Farm,: NHMZ: 1 [1] - Princess Farm, Shurugwi: NHMZ: 1 [1] - Pungwe River: NHMZ: 1 [1] - Pungwe-Rwera R Confluence: NHMZ: 2 [2] - Quagga Mine: NHMZ: 1 [1] - Quaggas Hoek: NHMZ: 2 [2] - Radio Mine: NHMZ: 2 [2] - Rainham: NHMZ: 1 [1] - Ramofu Cave: NHMZ: 3 [3] - Ranelia: NHMZ: 1 [1] - Razi Chibi: NHMZ: 1 [1] - Red Hill Mine: NHMZ: 2 [2] - Redbank, Nyamandlovu: NHMZ: 1 [1] - Redrups Kop Mine: NHMZ: 2 [2] - Rhodes Inyanga National Park: TM: 2 [2] - Rifle Range: NHMZ: 3 [3] - Rifle Range, Kwekwe: NHMZ: 1 [1] - River Farm: NHMZ: 1 [1] - Ruenya R: NHMZ: 1 [1] - Rungwe R: NHMZ: 1 [1] - Rupisi Hot Spring: NHMZ: 2 [2] - Rusape-Nyanga: NHMZ: 1 [1] - Rusito forest, Rustio River: NHMZ: 1, TM: 6 [7] - Rusitu Forest: NHMZ: 10 [10] - Ruya R: NHMZ: 3 [3] - Ruya R,: NHMZ: 1 [1] - Ruya R.: NHMZ: 2 [2] - Sabi [= Save] R: NHMZ: 1 [1] - Sabi-Lundi [= Save-Runde] R Confluence: NHMZ: 4, USNM: 2 [6] - Sable Peak Farm, Concession: NHMZ: 1 [1] - Safari Farm: NHMZ: 2 [2] - Saffron Walde R, Farm: NHMZ: 1 [1] - Saffron Walden, Farm: NHMZ: 1 [1] - Salisbury Street: NHMZ: 1 [1] - Samalanga Pan: NHMZ: 1 [1] - Samalema Gorge, Mwenezi R: NHMZ: 1 [1] - Samalema Gorge, Mwenezi R.: NHMZ: 1 [1] - Samba Ranch: NHMZ: 1 [1] - Sandstone Fissure: NHMZ: 1 [1] - Sanyati West Camp: NHMZ: 2 [2] - Sauerstown: NHMZ: 1 [1] - Save Valley: NHMZ: 2 [2] - Save Valley, Chipingayi Bridge: NHMZ: 1 [1] - Save Valley, Makonde Hill: NHMZ: 1 [1] - Save-Lunde R Confluence: NHMZ: 1 [1] - Save-Lunde R Confluence, Marhumbini: NHMZ: 3 [3] - Save-Lunde R Confluence, Marhumbinl: NHMZ: 1 [1] - Sebakwe River: NHMZ: 1 [1] - Selous: NHMZ: 1 [1] - Sengereri Hills: NHMZ: 1 [1] - Sengereri Hills: NHMZ: 2 [2] - Sengwa Wildlife Research Area: HZM: 1, NHMZ: 17, ROM: 1 [19] - Sengwa Wildlife Research Station: NHMZ: 28, ROM: 33, TM: 32 [93] - Sentinal Ranch: NHMZ: 15, TM: 1 [16] - Sentinel Ranc!1, Tongani R.: NHMZ: 1 [1] - Sentinel Ranch: HZM: 1, NHMZ: 62 [63] - Shabani [= Zvishavane], 24 km N: NHMZ: 1 [1] - Shambayetu Farm: NHMZ: 5 [5] - Shamva, 48 km NE: NHMZ: 2 [2] - Shangani Bridge, Lubimbi: NHMZ: 3 [3] - Shangani R, Mzola Camp: NHMZ: 1 [1] - Shangani R., Mzola Camp: NHMZ: 1 [1] - Shangani River: NHMZ: 2 [2] - Shashe: NHMZ: 1 [1] - Shashi Rocks: NHMZ: 1 [1] - Shinda Estates: NHMZ: 1 [1] - Shurugwi: NHMZ: 6 [6] - Shurugwi, 2 km E: NHMZ: 4 [4] - Singama: BMNH: 1 [1] - Singereri Hills: NHMZ: 6, ROM: 1 [7] - Sohwe River: NHMZ: 1 [1] - St Carera Farm: NHMZ: 2 [2] - St James Mission: NHMZ: 1 [1] - St James Mission, Nyamandlovu: NHMZ: 2 [2] - Stratton Farm: NHMZ: 1 [1] - Strickland Lodge: NHMZ: 1 [1] - Tanganda Bridge: NHMZ: 1 [1] - Tashinga: NHMZ: 12 [12] - Terendali Farm: NHMZ: 1 [1] - The Homestead: NHMZ: 1 [1] - The Park: NHMZ: 1 [1] - Thompark: NHMZ: 2 [2] - Thornpark: NHMZ: 2 [2] - Tingwa R: NHMZ: 2 [2] - Tingwa R, Mavuradonha: NHMZ: 1 [1] - Tingwa River: NHMZ: 2 [2] - Toronto: NHMZ: 1 [1] - Torre: NHMZ: 1 [1] - Torre, Marondera: NHMZ: 1 [1] - Triangle: NHMZ: 1 [1] - Triangle Game Park: NHMZ: 1 [1] - Triangle, MacDougall's Tunnel: NHMZ: 1 [1] - Triangle, near: NHMZ: 1 [1] - Triumph Mine: NHMZ: 2 [2] - Trumph Mine: ROM: 1 [1] - Tshakabika: NHMZ: 1 [1] - Tsungwesi Guano Cave: NHMZ: 14 [14] - Tuli Camp: NHMZ: 27 [27] - Tuli Safari Area: NHMZ: 2 [2] - Tupton, Marondera: NHMZ: 1 [1] - Twentydales: NHMZ: 2 [2] - Umfuleni Farm: NHMZ: 1 [1] - Umkhondo Mine: NHMZ: 1 [1] - Umtali mine adit: DNSM: 1 [1] - Umtali Old Mine: USNM: 1 [1] - Umtali, 3 mi from, on Uumbra road: USNM: 1 [1] - Umzingwane R.: NHMZ: 1 [1] - Union Avenue: NHMZ: 1 [1] - Unknown locality: NHMZ: 1 [1] - Urungwe Safari Area: TM: 1 [1] - Vashu Farm: NHMZ: 1 [1] - Victoria Falls: NHMZ: 11 [11] - Victoria Falls, Lodge 18: NHMZ: 1 [1] - Victoria Falls, Zambezi Camp: NHMZ: 1 [1] - Victory Cave: NHMZ: 1 [1] - Virginia Farm, Glendale: NHMZ: 2 [2] - Viro Hill: NHMZ: 1 [1] - Viro Hill, Kachuta Mhangura: NHMZ: 1 [1] - Volunteer Farm: NHMZ: 1 [1] - Volunteer Farm, Main Camp: NHMZ: 5 [5] - Volunteer Farm, Main Dam: NHMZ: 1 [1] - Volunteer Farm, Zwikungwa: NHMZ: 2 [2] - Volunteer farms: NHMZ: 7 [7] - Vumba: NHMZ: 3 [3] - Vumba National Park: USNM: 1 [1] - Wallaby Claims: NHMZ: 1 [1] - Warren Hills: NHMZ: 1 [1] - West Nicholson: BMNH: 1 [1] - West Nicholson, 5 km W: NHMZ: 4 [4] - Westwood Lodge: NHMZ: 4 [4] - Westwood Vlei: NHMZ: 2 [2] - Wilderness Area: NHMZ: 1 [1] - Wildwood Sanctuary: NHMZ: 1 [1] - Willow Park: NHMZ: 1 [1] - Willow Park: NHMZ: 10 [10] - Wolfshaw Pass: NHMZ: 1 [1] - Zambezi R: NHMZ: 1 [1] - Zambezi Valley: NHMZ: 1 [1] - Zambezi-Chwore R Confluence: NHMZ: 1 [1] - Zambezi-Namakunda R Confluence, Katombora: NHMZ: 1 [1] - Ziwa Nyanga: NHMZ: 1 [1] - Zvarayi Cave: NHMZ: 2 [2 - **2** - **2416** - **1825**]. - **19750**].

1 January 1824: Sudan: Sennar: SMF: 2 [2 - **2** - **2**].
1 January 1825: Sudan: Kordofan: SMF: 1 [1 - **1** - **1**].
1 February 1825: Sudan: Kordofan: SMF: 1 [1 - **1** - **1**].
1 January 1826: Sudan: Kordofan: SMF: 1 [1 - **1** - **1**].
1 January 1827: Eritrea: Massaua: SMF: 2 [2] - Massawa: SMF: 1 [1 - **2** - **1**].
Mauritius: Unknown locality: SMF: 2 [2 - **2** - **4**]. - **1**].
1 January 1834: Eritrea: Massaua: SMF: 2 [2 - **2** - **2**].
1 January 1837: South Africa: Cape: SMF: 1 [1 - **1** - **1**].
17 July 1838: Botswana: Artesia: ZFMK: 1 [1 - **1** - **1**].
1 January 1841: Ethiopia: Shoa province: SMF: 1 [1 - **1** - **1**].
1 January 1843: Egypt: Unknown locality: MZUF: 1 [1 - **1** - **1**].
27 November 1843: South Africa: Tugela river: NRM: 1 [1 - **1** - **1**].
1 January 1851: Egypt: Nile: USNM: 4 [4 - **4** - **4**].
1 January 1853: Egypt: Unknown locality: SMNS: 2 [2 - **2** - **2**].

1 January 1855: Benin: Kunjuruma: ZMB: 1 [1 - **1**].
Sudan: Sennar: SMF: 1 [1 - **1** - **1**]. - **1**].
1 December 1859: Namibia: Unknown locality: BMNH: 1 [1 - **1** - **1**].
23 July 1865: Madagascar: North-west coast: RMNH: 1 [1 - **1** - **1**].
30 July 1865: Madagascar: Nossi-Be: RMNH: 1 [1 - **1** - **1**].
11 August 1865: Madagascar: Amballiala: RMNH: 1 [1 - **1** - **1**].
17 August 1865: Madagascar: Nossi-Be: RMNH: 1 [1 - **1** - **1**].
4 October 1865: Madagascar: Nossi Tany Kely: RMNH: 1 [1 - **1** - **1**].
1 January 1866: Egypt: Unknown locality: AMNH: 1 [1 - **1** - **1**].
1 January 1875: "Africa": "Liberia ??": RMNH: 1 [1 - **1** - **1**].
1 January 1876: Mauritius: Mare au Songes: ZMA: 1 [1 - **1** - **1**].
4 September 1879: Madagascar: Unknown locality: SMF: 1 [1 - **1** - **1**].
19 April 1881: Liberia: Buluma: RMNH: 1 [1 - **1** - **1**].
29 October 1883: Congo (Democratic Republic of the): Tingasi: BMNH: 2 [2 - **2** - **2**].
1 February 1885: Algeria: Biskra: SMF: 1 [1 - **1**].
Tunisia: Tunis: SMF: 1 [1 - **1** - **2**].
1 January 1887: Sudan: Nubia: RMNH: 1 [1 - **1** - **1**].
1 June 1888: Tanzania: Bagamoyo: ZMH: 1 [1 - **1** - **1**].
1 June 1889: Cape Verde: Fogo isalnd: USNM: 1 [1 - **1** - **1**].
9 September 1889: Tanzania: "Mosambiro", but actually Usambiro: BMNH: 1 [1 - **1** - **1**].
25 December 1889: Angola: Cunga: USNM: 1 [1 - **1** - **1**].
1 January 1891: Lesotho: Hermon: USNM: 1 [1 - **1** - **1**].
1 April 1891: Angola: Ambriz: RMNH: 1 [1 - **1** - **1**].
1 January 1893: Lesotho: Seribe: USNM: 1 [1 - **1** - **1**].
1 May 1895: Madagascar: Mahanoro: USNM: 1 [1 - **1** - **1**].
26 May 1896: Madagascar: Vinanitelo [= Vinantelo]: FMNH: 1 [1 - **1** - **1**].
6 June 1896: Madagascar: Itambelo: BMNH: 1 [1 - **1** - **1**].
28 September 1896: South Africa: Albany district: SAMC: 1 [1 - **1** - **1**].
27 March 1897: Liberia: Mount Coffee: USNM: 1 [1 - **1** - **1**].
6 April 1897: Egypt: Saqqara: ZFMK: 2 [2 - **2** - **2**].
6 July 1897: Gabon: Como River: BMNH: 1 [1 - **1** - **1**].
1 August 1897: Congo (Democratic Republic of the): Congo river, 75 mi up: USNM: 3 [3 - **3** - **3**].
25 March 1898: South Africa: Lydenburg Krantz: TM: 1 [1 - **1** - **1**].
29 April 1898: Madagascar: Mahabo: MNHN: 1 [1 - **1** - **1**].
4 May 1898: Madagascar: Ankiliabo: MNHN: 1 [1 - **1** - **1**].
1 January 1899: Togo: Lomé: SMF: 1, SMNS: 3 [4 - **4** - **4**].
9 January 1899: Ghana: Gambaga: BMNH: 1 [1 - **1** - **1**].
11 July 1899: Namibia: Waterberg district: SAMC: 1 [1 - **1** - **1**].
31 December 1899: Liberia: Roberts Port: USNM: 1 [1 - **1** - **1**].
1 January 1900: South Africa: Grahamstown: USNM: 5 [5] - Kaap provincie [=Cape province]: USNM: 1 [1 - **6** - **6**].
25 March 1900: South Africa: Lydenburg: TM: 1 [1 - **1** - **1**].
5 June 1900: Mozambique: Beira: TM: 1 [1 - **1** - **1**].
29 June 1900: South Africa: Middletown: USNM: 3 [3 - **3** - **3**].
24 June 1902: South Africa: Port St Johns: BMNH: 1 [1 - **1** - **1**].
25 June 1902: South Africa: Port St Johns: BMNH: 1 [1 - **1** - **1**].
7 March 1903: Morocco: Hercules caves: MNHN: 1 [1 - **1** - **1**].
8 March 1903: Azores (Portugal): Ribeira Grande, road to: USNM: 1 [1 - **1** - **1**].
18 March 1903: Azores (Portugal): Lake Furnas: USNM: 1 [1 - **1** - **1**].
21 December 1903: Comoros: Boboni, cave near: SMF: 1 [1 - **1** - **1**].
1 January 1905: South Africa: Grahamstown: MCZ: 1 [1 - **1** - **1**].
11 March 1905: Tanzania: Usambara mountains: MNHN: 2 [2 - **2** - **2**].
24 March 1905: Benin: Ajougon: MNHN: 1 [1 - **1** - **1**].
3 April 1905: South Africa: Knysna: BMNH: 1, TM: 1 [2 - **2** - **2**].
7 April 1905: Madagascar: Ankarana caves: MNHN: 1 [1 - **1** - **1**].
10 April 1905: Congo (Democratic Republic of the): Kivu: MNHN: 4 [4 - **4** - **4**].
12 April 1905: Madagascar: Sianaka forest: MNHN: 1 [1 - **1** - **1**].
16 April 1905: Congo (Democratic Republic of the): Kadjudju: MNHN: 1 [1 - **1** - **1**].
11 May 1905: Guinea: Sérédou: MNHN: 1 [1 - **1** - **1**].
15 May 1905: Central African Republic: La Maboké: MNHN: 1 [1 - **1**].
Gabon: Makokou, near: MNHN: 5 [5 - **5**].
Madagascar: Maroantsetra NW of: MNHN: 1 [1] - Maroantsetra, 40 km NW: MNHN: 1 [1 - **2** - **8**].
16 May 1905: Ethiopia: Addis Abeba: MNHN: 1 [1 - **1**].
Gabon: Bélinga: MNHN: 2 [2 - **2** - **3**].
17 May 1905: Central African Republic: Bangui: MNHN: 1 [1 - **1**].
Ethiopia: Manera forest: MNHN: 1 [1 - **1** - **2**].
18 May 1905: Guinea: Sérédou: MNHN: 1 [1 - **1** - **1**].
19 May 1905: Liberia: Mount Nimba: MNHN: 4 [4 - **4** - **4**].
27 May 1905: Cameroon: Yaoundé: MNHN: 1 [1 - **1** - **1**].
31 May 1905: Réunion: St Benoit, near: MNHN: 1 [1 - **1** - **1**].
8 June 1905: Zimbabwe: Kudzwe River, near: MNHN: 1 [1 - **1** - **1**].
9 June 1905: Zimbabwe: Angwa River: MNHN: 1 [1 - **1** - **1**].
10 June 1905: Zimbabwe: Angwa River: MNHN: 7 [7 - **7** - **7**].
18 June 1905: Malawi: Lilongwe, 50 km E on Salima road: MNHN: 2 [2] - Zambezi River, left bank: MNHN: 1 [1 - **3** - **3**].
22 June 1905: Congo: Dimonika: MNHN: 1 [1 - **1** - **1**].
3 July 1905: Madagascar: Sarondrano: MNHN: 1 [1 - **1** - **1**].
1 January 1906: South Africa: Ookiep: MSNG: 1 [1 - **1** - **1**].

19 February 1906: Congo (Democratic Republic of the): Lobi: BMNH: 1 [1 - **1** - **1**].
22 April 1906: Congo (Democratic Republic of the): Angu, near: BMNH: 1 [1 - **1** - **1**].
23 July 1906: "Africa": Unknown locality: MCZ: 1 [1 - **1** - **1**].
25 October 1906: Madagascar: Bétafo: MNHN: 1 [1 - **1** - **1**].
1 November 1906: Cameroon: Bitye: MCZ: 1 [1 - **1** - **1**].
1 January 1907: Cameroon: Victoria: SMF: 1 [1 - **1**].
Uganda: Entebbe: SMF: 2 [2 - **2** - **3**].
9 March 1907: South Africa: Fountein Grove: BRTC: 1 [1 - **1** - **1**].
5 April 1907: Zimbabwe: Bulawayo: DNSM: 1 [1 - **1** - **1**].
7 April 1907: South Africa: Louw's Creek: TM: 1 [1 - **1** - **1**].
26 April 1907: South Africa: Farm Wonderfontein 103IQ: TM: 1 [1 - **1** - **1**].
1 May 1907: South Africa: Pretoria: TM: 2 [2 - **2** - **2**].
12 August 1907: South Africa: Potchefstroom: TM: 2 [2 - **2** - **2**].
10 September 1907: Mozambique: Muchena: TM: 1 [1 - **1** - **1**].
23 October 1907: South Africa: Tzaneen Estate: TM: 1 [1 - **1** - **1**].
1 January 1908: "Africa": Unknown locality: SMF: 2 [2 - **2**].
Uganda: Victoria Nyanza [=Lake Victoria]: SMF: 1 [1 - **1** - **3**].
5 January 1908: South Africa: Malvern: TM: 1 [1 - **1** - **1**].
12 January 1908: South Africa: Malvern: TM: 1 [1 - **1** - **1**].
27 March 1908: South Africa: Ngqeleni: TM: 1 [1 - **1** - **1**].
30 March 1908: South Africa: Sabie: TM: 1 [1 - **1** - **1**].
14 April 1908: South Africa: Grahamstown: MCZ: 1 [1 - **1** - **1**].
26 April 1908: Mozambique: Beira: TM: 2 [2] - Zimbiti: TM: 1 [1 - **3** - **3**].
1 May 1908: Tanzania: Unknown locality: RMNH: 2 [2 - **2** - **2**].
2 May 1908: Mozambique: Beira: TM: 1 [1 - **1** - **1**].
14 May 1908: Mozambique: Beira: TM: 1 [1 - **1** - **1**].
27 July 1908: Nigeria: Yola: BMNH: 1 [1 - **1** - **1**].
23 August 1908: South Africa: Ngqeleni: TM: 1 [1 - **1** - **1**].
5 November 1908: Mozambique: Unknown locality: MSNG: 1 [1 - **1** - **1**].
5 December 1908: South Africa: Malvern: TM: 1 [1 - **1** - **1**].
1 January 1909: Uganda: Unknown locality: SMF: 2 [2 - **2** - **2**].
7 January 1909: "Africa": Chad, lake: MNHN: 1 [1 - **1** - **1**].
11 February 1909: South Africa: Knysna: TM: 2 [2 - **2** - **2**].
18 February 1909: South Africa: Knysna: TM: 1 [1 - **1** - **1**].
26 April 1909: South Africa: Modderfontein: TM: 1 [1 - **1** - **1**].
1 May 1909: "Africa": Africa: MZUF: 1 [1 - **1** - **1**].
11 June 1909: Tanzania: Kulumuzi caves: MNHN: 4 [4 - **4** - **4**].
18 August 1909: Congo (Democratic Republic of the): Stanleyville: MCZ: 1 [1 - **1** - **1**].
7 December 1909: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
6 January 1910: Congo (Democratic Republic of the): Bafwabaka: MCZ: 1 [1 - **1** - **1**].
27 January 1910: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
28 January 1910: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
30 January 1910: South Africa: Hectorspruit: TM: 3 [3 - **3** - **3**].
1 February 1910: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
9 February 1910: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
17 February 1910: Mozambique: Maputo: TM: 1 [1 - **1** - **1**].
16 March 1910: Congo (Democratic Republic of the): Medje: MCZ: 2 [2 - **2** - **2**].
5 June 1910: São Tomé and Principé: Unknown locality: RMNH: 1 [1 - **1** - **1**].
30 June 1910: Zimbabwe: Selukwe: DNSM: 1 [1 - **1** - **1**].
27 July 1910: Guinea: Fouta Djallon: MNHN: 1 [1 - **1** - **1**].
3 August 1910: Congo (Democratic Republic of the): Medje: MCZ: 1 [1 - **1** - **1**].
12 August 1910: Benin: Agouagon: MNHN: 2 [2 - **2** - **2**].
8 September 1910: Congo (Democratic Republic of the): Medje: MCZ: 3 [3 - **3** - **3**].
1 October 1910: Chad: Fort Archambault: SMF: 1 [1 - **1**].
Congo (Democratic Republic of the): Duma: SMF: 1 [1 [1 - **1** - **1** - **2**]. - **1**].
12 October 1910: Congo (Democratic Republic of the): Duma: SMF: 2 [2 - **2** - **2**].
9 November 1910: South Africa: Transvaal province: MCZ: 6 [6 - **6** - **6**].
2 December 1910: Madagascar: Tananarive: MNHN: 1 [1 - **1** - **1**].
16 December 1910: Congo (Democratic Republic of the): Niangara: MCZ: 1 [1 - **1** - **1**].
23 December 1910: South Africa: Port St. Johns: TM: 2 [2 - **2** - **2**].
26 December 1910: Congo (Democratic Republic of the): Niangara: MCZ: 1 [1 - **1** - **1**].
1 January 1911: "Africa": Unknown locality: ZMA: 1 [1 - **1**].
Congo (Democratic Republic of the): Unknown locality: SMF: 1 [1 - **1** - **2**].
7 January 1911: Cameroon: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 February 1911: Chad: Fort Archambault: SMF: 2 [2 - **2** - **2**].
4 February 1911: South Africa: Farm Makapansgat, Makapan cave: TM: 2 [2 - **2** - **2**].
9 February 1911: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
7 March 1911: Congo (Democratic Republic of the): Faradje: MCZ: 1 [1 - **1** - **1**].
14 March 1911: Congo (Democratic Republic of the): Faradje: MCZ: 2 [2 - **2** - **2**].
20 March 1911: Kenya: Luazomela: NRM: 1 [1 - **1** - **1**].
12 April 1911: South Africa: Pretoria: TM: 2 [2 - **2** - **2**].
20 April 1911: Chad: Unknown locality: SMF: 1 [1] - Melfi: SMF: 8 [8 - **8** - **1** - **8**]. - **1**].
8 May 1911: South Africa: Barberton: TM: 1 [1 - **1** - **1**].
13 May 1911: Cameroon: Marua: SMF: 1 [1 - **1** - **1**].
1 June 1911: Congo (Democratic Republic of the): Unknown locality: SMF: 2 [2] - Koloka: SMF: 1 [1 - **1** - **2** - **1**]. - **2**].
18 June 1911: Cameroon: Unknown locality: SMF: 1 [1 - **1** - **1**].

2 August 1911: Congo (Democratic Republic of the): Faradje: MCZ: 1 [1 - **1** - **1**].
11 September 1911: Equatorial Guinea: Annobon Island: SMF: 1 [1 - **1** - **1**].
18 September 1911: South Africa: Hectorspruit: TM: 3 [3 - **3** - **3**].
1 November 1911: Tanzania: Zanzibar: USNM: 10 [10 - **10** - **10**].
23 November 1911: "Africa": Jala plains: BMNH: 1 [1 - **1** - **1**].
10 December 1911: South Africa: Hectorspruit: TM: 2 [2 - **2** - **2**].
13 December 1911: Congo (Democratic Republic of the): Aba: MCZ: 2, TM: 1 [3] - Orientale: SMF: 1 [1 - **4** - **4**].
15 December 1911: Congo (Democratic Republic of the): Aba: MCZ: 2 [2 - **2** - **2**].
16 December 1911: Congo (Democratic Republic of the): Aba: MCZ: 3 [3 - **3** - **3**].
17 December 1911: Congo (Democratic Republic of the): Aba: MCZ: 1 [1 - **1** - **1**].
1 January 1912: Gabon: Ogoou, near: AMNH: 2 [2 - **2** - **2**].
15 April 1912: South Africa: Hillary: DNSM: 3 [3 - **3** - **3**].
24 April 1912: Benin: "Dahomey": MNHN: 2 [2 - **2** - **2**].
15 May 1912: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
29 August 1912: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
1 October 1912: South Africa: Beaumont: DNSM: 1 [1 - **1** - **1**].
21 October 1912: Congo (Democratic Republic of the): Faradje: KU: 1 [1 - **1** - **1**].
30 October 1912: Congo (Democratic Republic of the): Avakubi: BMNH: 1 [1 - **1** - **1**].
23 November 1912: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
13 December 1912: Egypt: Giza: MCZ: 4 [4 - **4** - **4**].
28 December 1912: Sudan: Singa: MCZ: 1 [1 - **1** - **1**].
4 January 1913: Kenya: Port Dawnford: NMK: 11 [11 - **11** - **11**].
22 January 1913: Sudan: Roseires: MCZ: 1 [1 - **1** - **1**].
28 January 1913: Sudan: Magangani: MCZ: 2 [2 - **2** - **2**].
1 February 1913: Sudan: El Garef: MCZ: 1 [1 - **1** - **1**].
2 February 1913: Sudan: Bados: MCZ: 1 [1 - **1** - **1**].
4 February 1913: Sudan: Abu Zor: MCZ: 11 [11 - **11** - **11**].
6 February 1913: Sudan: El Garef: MCZ: 2 [2 - **2** - **2**].
14 February 1913: Sudan: El Abrad: MCZ: 2 [2 - **2** - **2**].
10 March 1913: Sudan: Bahr el Zeraf, Gebel Geraf: BMNH: 1 [1 - **1** - **1**].
1 April 1913: South Africa: Mosely: DNSM: 1 [1 - **1** - **1**].
26 April 1913: South Africa: Berea: DNSM: 1 [1 - **1** - **1**].
31 May 1913: Congo (Democratic Republic of the): Niangara: MCZ: 1 [1 - **1** - **1**].
4 June 1913: Mozambique: Vumba: DNSM: 1 [1 - **1** - **1**].
12 June 1913: Mozambique: Vumba: DNSM: 1 [1 - **1** - **1**].
27 July 1913: Tanzania: Tundau: BMNH: 1 [1 - **1** - **1**].
29 August 1913: South Africa: Mosely: DNSM: 1 [1 - **1** - **1**].
21 October 1913: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
1 November 1913: Algeria: road between Sétif and Annaba: ZFMK: 2 [2 - **2** - **2**].
17 November 1913: South Africa: Insusie Valley: TM: 1 [1 - **1** - **1**].
24 November 1913: South Africa: Estcourt: DNSM: 1 [1 - **1** - **1**].
5 December 1913: South Africa: Estcourt: DNSM: 1 [1 - **1** - **1**].
16 January 1914: South Africa: Pietersburg, farm near: TM: 1 [1 - **1** - **1**].
17 January 1914: Congo (Democratic Republic of the): Avakubi: MCZ: 1 [1 - **1** - **1**].
24 January 1914: Congo (Democratic Republic of the): Avakubi: MCZ: 1 [1 - **1** - **1**].
3 March 1914: Congo (Democratic Republic of the): Avakubi: MCZ: 1 [1 - **1** - **1**].
6 April 1914: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
27 May 1914: Congo (Democratic Republic of the): Avakubi: MCZ: 1 [1 - **1** - **1**].
30 September 1914: Ethiopia: Awash: BMNH: 1 [1 - **1** - **1**].
5 January 1915: Kenya: Northern Guaso Nyiro: AMNH: 1 [1 - **1** - **1**].
25 January 1915: South Africa: Gravelotte Mine: TM: 21 [21 - **21** - **21**].
29 January 1915: South Africa: Gravelotte Mine: TM: 2 [2 - **2** - **2**].
28 April 1915: Cameroon: Bitye: ZMB: 1 [1 - **1** - **1**].
27 June 1915: Cameroon: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 July 1915: South Africa: Ngxwala Hill: DNSM: 1 [1 - **1** - **1**].
12 July 1915: South Africa: Ngxwala Hill: DNSM: 1 [1 - **1** - **1**].
13 July 1915: South Africa: Ngxwala Hill: DNSM: 2 [2 - **2** - **2**].
14 July 1915: South Africa: Ngxwala Hill: DNSM: 3 [3 - **3** - **3**].
21 July 1915: Mozambique: Mazambo: BRTC: 1 [1] - Mzambo: TM: 1 [1 - **2** - **2**].
16 August 1915: Madagascar: Tolear, E of: AMNH: 1 [1 - **1** - **1**].
26 March 1916: South Africa: Buffelsdraai: TM: 1 [1 - **1** - **1**].
3 April 1916: South Africa: Farm Rietfontein: TM: 1 [1 - **1** - **1**].
23 May 1916: Swaziland: Piggs Peak: TM: 2 [2 - **2** - **2**].
29 May 1916: Swaziland: Wyldesdale: TM: 2 [2 - **2** - **2**].
31 May 1916: South Africa: Horo: TM: 1 [1 - **1** - **1**].
2 August 1916: South Africa: Mooivlei: TM: 1 [1 - **1** - **1**].
15 August 1916: South Africa: Mooivlei: TM: 1 [1 - **1** - **1**].
20 January 1917: Tanzania: Myaiai: TM: 1 [1 - **1** - **1**].
8 February 1917: Tanzania: Dar es Salaam: TM: 1 [1 - **1** - **1**].
11 February 1917: South Africa: Leydsdorp: TM: 1 [1 - **1** - **1**].
24 March 1917: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
30 March 1917: South Africa: Venterskroon: TM: 10 [10 - **10** - **10**].
5 June 1917: South Africa: Fountains: TM: 3 [3] - Fountains Valley: TM: 1 [1 - **4** - **4**].
6 June 1917: South Africa: Irene: TM: 4 [4 - **4** - **4**].
9 June 1917: South Africa: Farm Baviaanspoort: TM: 7 [7 - **7** - **7**].
14 June 1917: South Africa: Schurweberg: TM: 5 [5] - Wolvegatten: TM: 1 [1 - **6** - **6**].

17 July 1917: South Africa: Umkomaas: DNSM: 1 [1 - **1** - **1**].
12 August 1917: Malawi: Mitondo [= Mtondo]: BMNH: 1 [1 - **1** - **1**].
1 September 1917: South Africa: Farm Baviaanspoort: TM: 1 [1 - **1** - **1**].
16 September 1917: South Africa: Lormarins: TM: 1 [1 - **1** - **1**].
29 September 1917: South Africa: Klaver: TM: 1 [1 - **1** - **1**].
30 September 1917: South Africa: Klaver: TM: 1 [1 - **1** - **1**].
4 October 1917: South Africa: Klaver: TM: 3 [3 - **3** - **3**].
1 November 1917: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
4 November 1917: South Africa: Klaver: TM: 1 [1 - **1** - **1**].
21 November 1917: South Africa: Berg River: TM: 4 [4] - Farm Kersefontein [=Berg River]: TM: 1 [1 - **5** - **5**].
23 November 1917: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
12 October 1918: Namibia: Namutoni: TM: 1 [1 - **1** - **1**].
30 March 1919: South Africa: Venterskroon: TM: 2 [2 - **2** - **2**].
2 April 1919: Namibia: Namutoni: TM: 1 [1 - **1** - **1**].
17 December 1919: South Africa: Potgietersrus: TM: 1 [1 - **1** - **1**].
31 December 1919: South Africa: Garsfontein: TM: 18 [18 - **18** - **18**].
16 February 1920: South Africa: Garsfontein: TM: 7 [7 - **7** - **7**].
19 March 1920: South Africa: Barberton: TM: 3 [3 - **3** - **3**].
20 March 1920: South Africa: Barberton: TM: 2 [2] - Malelane: TM: 1 [1] - Potgietersrus: TM: 1 [1 - **4** - **4**].
23 March 1920: South Africa: Barberton: TM: 2 [2 - **2** - **2**].
26 March 1920: South Africa: Louw's Creek: TM: 1 [1 - **1** - **1**].
28 March 1920: South Africa: Louw's Creek: TM: 12 [12] - Louw's Creek, Imperial Mine: TM: 4 [4 - **16** - **16**].
29 March 1920: South Africa: Louw's Creek: TM: 2 [2 - **2** - **2**].
30 March 1920: South Africa: Malelane: TM: 12 [12 - **12** - **12**].
27 May 1920: South Africa: Nelspruit: TM: 1 [1 - **1** - **1**].
30 November 1920: South Africa: Malelane: TM: 1 [1 - **1** - **1**].
1 March 1921: Congo (Democratic Republic of the): Eala: RMCA: 1 [1 - **1** - **1**].
16 April 1921: South Africa: Knysna: TM: 1 [1 - **1** - **1**].
1 May 1921: South Africa: Farm Mokeetsi 376: TM: 2 [2] - Pietersburg: TM: 2 [2 - **4** - **4**].
1 November 1921: South Africa: Garsfontein: TM: 9 [9 - **9** - **9**].
24 November 1921: South Africa: John Nash Nature Reserve: TM: 4 [4 - **4** - **4**].
25 November 1921: South Africa: Pretoria North: TM: 1 [1 - **1** - **1**].
11 December 1921: South Africa: Brooklyn: TM: 2 [2 - **2** - **2**].
6 January 1922: South Africa: Farm Mokeetsi 376: TM: 1 [1] - Soutpansberg: TM: 1 [1 - **2** - **2**].
12 March 1922: South Africa: Brooklyn: TM: 1 [1 - **1** - **1**].
6 May 1922: South Africa: Farm Mokeetsi 376: TM: 2 [2 - **2** - **2**].
8 May 1922: South Africa: Farm Mokeetsi 376: TM: 1 [1 - **1** - **1**].
16 June 1922: South Africa: Ntambanana: TM: 1 [1 - **1** - **1**].
18 June 1922: South Africa: Umfolozi Game Reserve: TM: 1 [1 - **1** - **1**].
19 June 1922: South Africa: Umfolozi Game Reserve: TM: 1 [1 - **1** - **1**].
28 June 1922: South Africa: Umfolozi Game Reserve: TM: 1 [1 - **1** - **1**].
17 July 1922: South Africa: Umfolozi River: TM: 1 [1] - White Umfolosi River: TM: 1 [1 - **2** - **2**].
19 September 1922: South Africa: Umfolozi Nature Reserve: TM: 1 [1 - **1** - **1**].
26 November 1922: Congo (Democratic Republic of the): Luluabourg: MNHN: 2 [2 - **2** - **2**].
6 January 1923: Ethiopia: Torat: MSNM: 2 [2 - **2** - **2**].
6 February 1923: Ethiopia: Torat: MSNM: 1 [1 - **1** - **1**].
31 March 1923: Namibia: Quickborn: TM: 1 [1 - **1** - **1**].
12 October 1923: South Africa: Pretoria North: BRTC: 1 [1 - **1** - **1**].
6 February 1924: South Africa: Pretoria hospital: TM: 1 [1 - **1** - **1**].
15 April 1924: Namibia: Quickborn: TM: 1 [1 - **1** - **1**].
11 December 1924: South Africa: Farm Makapansgat: TM: 2 [2] - Farm Makapansgat, Makapan cave: TM: 1 [1 - **3** - **3**].
4 March 1925: South Africa: Mqanduli: TM: 1 [1 - **1** - **1**].
12 November 1925: Namibia: Sandfontein: DNSM: 1 [1 - **1** - **1**].
15 November 1925: Uganda: Lake Bunyoni: FMNH: 2 [2 - **2** - **2**].
10 December 1925: Namibia: Karolinenhof: KM: 1 [1 - **1** - **1**].
11 January 1926: Uganda: Kisoro: FMNH: 4 [4 - **4** - **4**].
26 August 1926: Liberia: Reppo Town: MCZ: 22 [22 - **22** - **22**].
14 October 1926: South Africa: Marquard: NMB: 1 [1 - **1** - **1**].
25 October 1926: Ethiopia: Sandford's Ranch: FMNH: 1 [1 - **1** - **1**].
15 November 1926: South Africa: Ladyselborne: TM: 1 [1 - **1** - **1**].
30 December 1926: Congo (Democratic Republic of the): Belgian River: MCZ: 1 [1] - Bumba: MCZ: 1 [1 - **2** - **2**].
8 February 1927: South Africa: Leydsdorp: TM: 1 [1 - **1** - **1**].
11 February 1927: South Africa: Leydsdorp: TM: 1 [1 - **1** - **1**].
27 February 1927: Algeria: Gorges de la Chiffa: MNHN: 1 [1 - **1** - **1**].
17 March 1927: Ethiopia: Fatam R Big Abbai: BMNH: 1 [1 - **1** - **1**].
5 April 1927: Ethiopia: Gondur, 15 mi NE: TM: 1 [1 - **1** - **1**].
2 May 1927: Namibia: Otjitundua: DNSM: 1 [1 - **1** - **1**].
15 May 1927: Namibia: Otjitundua: DNSM: 1 [1 - **1** - **1**].
17 June 1927: Namibia: Kaoko-Otavi: DNSM: 1 [1 - **1** - **1**].
3 July 1927: South Africa: Farm Zwarthoek 794: TM: 1 [1 - **1** - **1**].
12 August 1927: South Africa: Weenen: TM: 1 [1 - **1** - **1**].
8 January 1928: Niger: Bourem: MNHN: 1 [1 - **1** - **1**].
16 June 1928: São Tomé and Principé: Unknown locality: AMNH: 2 [2 - **2** - **2**].
21 October 1928: Namibia: Hot Spring: TM: 1 [1 - **1** - **1**].
28 November 1928: South Africa: Emseleni: TM: 3 [3 - **3** - **3**].
9 January 1929: Tanzania: Mwansomanos: AMNH: 2 [2 - **2** - **2**].

10 January 1929: Tanzania: Mwansomanos: AMNH: 1 [1 - **1** - **1**].
11 January 1929: Tanzania: Mwansomanos: AMNH: 1 [1 - **1** - **1**].
1 April 1929: Madagascar: Mistinjo: MNHN: 2 [2 - **2** - **2**].
12 May 1929: Equatorial Guinea: Basoalo: AMNH: 1 [1 - **1** - **1**].
19 May 1929: Equatorial Guinea: Basoalo: AMNH: 2 [2 - **2** - **2**].
16 June 1929: Madagascar: Tsiroanomandidy: BMNH: 1, MNHN: 1 [1 [1 - **1** - **1** - **1**]. - **1**].
19 July 1929: Madagascar: Tsiandro: MNHN: 1 [1 - **1** - **1**].
8 August 1929: Cameroon: Olangina: PCMB: 1 [1 - **1** - **1**].
14 August 1929: Madagascar: Ivohibe: MNHN: 4 [4 - **4** - **4**].
1 September 1929: Madagascar: Mistinjo: MNHN: 2 [2 - **2** - **2**].
30 September 1929: Tanzania: Mwansomanos: AMNH: 1 [1 - **1** - **1**].
10 October 1929: Tanzania: Mwansomanos: AMNH: 1 [1 - **1** - **1**].
23 October 1929: Madagascar: Tulear, 80 km E: BMNH: 1, MNHN: 1 [1 [1 - **1** - **1** - **1**]. - **1**].
10 November 1929: Madagascar: Taluky: BMNH: 1, MNHN: 1 [1 [1 - **1** - **1** - **1**]. - **1**].
22 November 1929: Madagascar: Befandriana: MNHN: 1 [1 - **1** - **1**].
1 January 1930: Congo (Democratic Republic of the): Elisabethville: RBINS: 1 [1 - **1** - **1**].
25 March 1930: Madagascar: Ampotaka: MNHN: 2 [2 - **2** - **2**].
29 May 1930: Botswana: Mawn: MCZ: 1 [1 - **1** - **1**].
1 June 1930: Madagascar: Maroantsetra, 20 km SW: FMNH: 6 [6 - **6** - **6**].
19 June 1930: Botswana: Tsohorogo: MCZ: 1 [1 - **1** - **1**].
26 September 1930: Mozambique: Beira, near: TM: 1 [1 - **1** - **1**].
30 December 1930: Congo (Democratic Republic of the): Bumba: MCZ: 5 [5 - **5** - **5**].
1 January 1931: Egypt: Thebe: MHNG: 1 [1 - **1**].
Senegal: Richard Toll: MNHN: 1 [1 - **1** - **2**].
7 March 1931: Madagascar: Namoroka: MNHN: 1 [1 - **1** - **1**].
10 July 1931: Egypt: Cairo: SMF: 1 [1 - **1** - **1**].
20 August 1931: South Africa: Lower Sabi Camp: SMF: 1 [1 - **1** - **1**].
21 August 1931: South Africa: Lower Sabi Camp: SMF: 1 [1 - **1** - **1**].
26 October 1931: South Africa: Irene: TM: 1 [1 - **1** - **1**].
3 November 1931: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
10 November 1931: Zambia: Nsombo: SMF: 1 [1 - **1** - **1**].
10 December 1931: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
1 January 1932: Madagascar: Mistinjo: MNHN: 1 [1 - **1** - **1**].
4 February 1932: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
1 January 1933: Cameroon: Lélo: NMV: 2 [2 - **2**].
Mozambique: Inhaminga: SMF: 1 [1 - **1** - **1**]. - **2**].
6 January 1933: South Africa: Farm Uitkyk: TM: 2 [2 - **2** - **2**].
7 January 1933: South Africa: Farm Uitkyk: TM: 2 [2 - **2** - **2**].
23 January 1933: South Africa: Tzaneen: TM: 2 [2 - **2** - **2**].
30 January 1933: South Africa: Witkhyk [=Uitkyk, Farm]: BRTC: 1 [1 - **1** - **1**].
31 January 1933: South Africa: Tzaneen: TM: 2 [2 - **2** - **2**].
10 July 1933: Congo (Democratic Republic of the): Bobandana: MNHN: 1 [1 - **1** - **1**].
19 July 1933: South Africa: Msinyini pan: TM: 2 [2 - **2** - **2**].
27 July 1933: Tanzania: Unknown locality: SMF: 2 [2 - **2** - **2**].
28 July 1933: South Africa: Klaserie-Olifant River Confluence: TM: 1 [1 - **1** - **1**].
6 August 1933: South Africa: Ingwavuma: TM: 1 [1 - **1** - **1**].
7 August 1933: South Africa: Ingwavuma: TM: 2 [2 - **2** - **2**].
22 September 1933: South Africa: Ndumu store: TM: 16 [16 - **16** - **16**].
10 November 1933: Congo (Democratic Republic of the): Tshambi: RBINS: 2 [2 - **2** - **2**].
9 February 1934: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
1 May 1934: Congo (Democratic Republic of the): Molindi river: RBINS: 1 [1 - **1** - **1**].
20 May 1934: Senegal: Kedougou: FMNH: 2 [2 - **2** - **2**].
1 August 1934: Congo (Democratic Republic of the): Vitshumbi: RBINS: 1 [1 - **1** - **1**].
7 December 1934: South Africa: Eshowe: TM: 1 [1 - **1** - **1**].
19 December 1934: Congo (Democratic Republic of the): Kamande: RBINS: 1 [1 - **1** - **1**].
11 May 1935: South Africa: Eshowe: TM: 1 [1 - **1** - **1**].
26 June 1935: South Africa: Mutale River: TM: 1 [1 - **1** - **1**].
30 June 1935: South Africa: Mutale River: TM: 2 [2 - **2** - **2**].
11 September 1935: Congo (Democratic Republic of the): Kivu: MNHN: 2 [2 - **2** - **2**].
28 October 1935: South Africa: Irene: TM: 1 [1 - **1** - **1**].
1 November 1935: Congo (Democratic Republic of the): Thysville: RBINS: 2 [2 - **2** - **2**].
17 January 1936: South Africa: Onderstepoort: TM: 1 [1 - **1** - **1**].
26 February 1936: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
27 April 1936: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
28 April 1936: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
30 April 1936: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
1 May 1936: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
2 May 1936: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
3 May 1936: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
1 August 1936: Zimbabwe: Lunzi River: BMNH: 1 [1 - **1** - **1**].
1 June 1937: Swaziland: Ranches LTD: TM: 7 [7 - **7** - **7**].
1 July 1937: Congo (Democratic Republic of the): Rutshuru: RBINS: 1 [1 - **1** - **1**].
15 July 1937: Namibia: Windhoek: TM: 1 [1 - **1** - **1**].
10 August 1937: Namibia: Unknown locality: SMF: 1 [1] - Kochina: BRTC: 1, TM: 8 [9 - **10** - **10**].
5 December 1937: Congo (Democratic Republic of the): Tshapona: RBINS: 1 [1 - **1** - **1**].
21 December 1937: South Africa: Daspoort: TM: 1 [1 - **1** - **1**].

1 January 1938: Congo (Democratic Republic of the): Yangambi: RBINS: 1 [1 - **1** - **1**].
8 January 1938: Congo (Democratic Republic of the): Rutshuru: RBINS: 1 [1 - **1** - **1**].
10 January 1938: Congo (Democratic Republic of the): Rutshuru: RBINS: 1 [1 - **1** - **1**].
11 January 1938: Zimbabwe: Birchenough Bridge: TM: 1 [1 - **1** - **1**].
15 January 1938: Rwanda: Kagera National Park: RBINS: 2 [2 - **2** - **2**].
16 January 1938: Rwanda: Gabiro: RBINS: 1 [1 - **1** - **1**].
19 January 1938: Rwanda: Gabiro: RBINS: 1 [1] - Kagera National Park: RBINS: 1 [1 - **2** - **2**].
25 January 1938: Congo (Democratic Republic of the): Rutshuru: RBINS: 1 [1 - **1** - **1**].
24 February 1938: Congo (Democratic Republic of the): Rutshuru: RBINS: 1 [1 - **1** - **1**].
7 March 1938: Congo (Democratic Republic of the): Vitshumbi: RBINS: 2 [2 - **2** - **2**].
10 March 1938: Congo (Democratic Republic of the): Rutshuru: RBINS: 2 [2 - **2** - **2**].
11 May 1938: South Africa: Eshowe: TM: 1 [1 - **1** - **1**].
24 June 1938: Tanzania: Ugano: NMW: 1 [1 - **1** - **1**].
12 July 1938: Zambia: Limulunga: AMNH: 1 [1 - **1** - **1**].
13 July 1938: Zambia: Limulunga: AMNH: 9 [9 - **9** - **9**].
14 July 1938: Zambia: Limulunga: AMNH: 14 [14 - **14** - **14**].
15 July 1938: Zambia: Limulunga: AMNH: 3 [3 - **3** - **3**].
16 July 1938: Zambia: Limulunga: AMNH: 3 [3 - **3** - **3**].
17 July 1938: Zambia: Limulunga: AMNH: 7 [7 - **7** - **7**].
18 July 1938: Zambia: Limulunga: AMNH: 7 [7 - **7** - **7**].
19 July 1938: Zambia: Limulunga: AMNH: 12 [12 - **12** - **12**].
20 July 1938: Zambia: Limulunga: AMNH: 7 [7 - **7** - **7**].
21 July 1938: Zambia: Limulunga: AMNH: 2 [2 - **2** - **2**].
22 July 1938: Zambia: Limulunga: AMNH: 4 [4 - **4** - **4**].
24 July 1938: Zambia: Limulunga: AMNH: 5 [5 - **5** - **5**].
3 August 1938: Zambia: Limulunga: AMNH: 1 [1 - **1** - **1**].
1 October 1938: Zambia: Balovale: AMNH: 7 [7 - **7** - **7**].
3 October 1938: Zambia: Balovale: AMNH: 4 [4 - **4** - **4**].
5 October 1938: Zambia: Balovale: AMNH: 3 [3 - **3** - **3**].
6 October 1938: Zambia: Balovale: AMNH: 1 [1 - **1** - **1**].
9 October 1938: South Africa: Nyellele River: TM: 1 [1 - **1**].
Zambia: Balovale: AMNH: 1 [1 - **1** - **1**]. - **1**].
11 October 1938: Zambia: Balovale: AMNH: 6 [6 - **6** - **6**].
12 October 1938: Zambia: Balovale: AMNH: 2 [2 - **2** - **2**].
22 November 1938: Zambia: Livingstone: AMNH: 1 [1 - **1** - **1**].
1 December 1938: Congo (Democratic Republic of the): Kasongo: RBINS: 1 [1] - Kasongo Mwana: RBINS: 19 [19 - **20** - **20**].
7 March 1939: South Africa: Farm Secheili's Oude Stad 6: TM: 1 [1 - **1** - **1**].
6 April 1939: South Africa: King Williamstown: KM: 1 [1 - **1** - **1**].
1 May 1939: Congo (Democratic Republic of the): Kanzenze mission: RBINS: 1 [1 - **1** - **1**].
1 June 1939: Cameroon: Musaké: MNHN: 1 [1 - **1**].
Congo (Democratic Republic of the): Unknown locality: RBINS: 1 [1] - Katanga: RBINS: 1 [1 - **2**].
Swaziland: Ranches LTD: TM: 2 [2 - **2**].
Zambia: Luakera River: SMF: 1 [1 - **1** - **1**]. - **5**].
12 July 1939: Kenya: Shimba Hills: KU: 1 [1 - **1** - **1**].
15 August 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
25 August 1939: Malawi: Ncheu [=Ntcheu]: BRTC: 1 [1 - **1** - **1**].
21 September 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
27 September 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
26 October 1939: Malawi: Ncheu [=Ntcheu]: TM: 2 [2 - **2** - **2**].
22 November 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
5 December 1939: Malawi: Chinteche: TM: 1 [1 - **1** - **1**].
9 February 1940: Malawi: Chinteche: TM: 6 [6 - **6** - **6**].
1 June 1940: Congo (Democratic Republic of the): Musosa, near: RBINS: 3 [3 - **3** - **3**].
18 September 1940: Madagascar: Causse de Namoroka: FMNH: 3 [3 - **3** - **3**].
26 October 1940: South Africa: Zoetendalsvlei: TM: 1 [1 - **1** - **1**].
5 November 1940: South Africa: Grootvadersbosch: TM: 1 [1 - **1** - **1**].
6 November 1940: South Africa: Grootvadersbosch: BRTC: 1, TM: 2 [3 - **3** - **3**].
16 December 1940: Kenya: Isiola: TM: 1 [1 - **1** - **1**].
1 January 1941: Congo (Democratic Republic of the): Musosa, near: RBINS: 1 [1 - **1**].
Niger: Maradi: MNHN: 2 [2 - **2** - **3**].
1 May 1941: Congo (Democratic Republic of the): Musosa, near: RBINS: 2 [2 - **2** - **2**].
10 August 1941: Namibia: Oserikari: TM: 1 [1 - **1** - **1**].
18 September 1941: Namibia: Ombu: BRTC: 1, SMF: 1 [1 [1 - **1** - **1** - **1**]. - **1**].
19 September 1941: Namibia: Ombu: TM: 1 [1 - **1** - **1**].
20 September 1941: Namibia: Ombu: TM: 1 [1 - **1** - **1**].
13 October 1941: Namibia: New Dam: TM: 1 [1 - **1** - **1**].
27 March 1942: Cameroon: Ebolowa: CM: 1 [1 - **1** - **1**].
27 May 1943: South Africa: King Williamstown: KM: 1 [1 - **1** - **1**].
1 June 1943: Congo (Democratic Republic of the): Musosa, near: RBINS: 1 [1 - **1** - **1**].
1 October 1943: Zambia: Luangwa Valley, Petauke: KM: 1 [1 - **1** - **1**].
29 May 1944: South Africa: King William's Town: HZM: 1 [1 - **1** - **1**].
8 April 1945: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 4 [4 - **4** - **4**].
17 April 1945: Congo (Democratic Republic of the): Aba: RBINS: 1 [1 - **1** - **1**].
14 August 1945: Zimbabwe: Bindura: TM: 4 [4 - **4** - **4**].
22 August 1945: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
21 September 1945: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].

27 December 1945: Guinea-Bissau: Bissoram: CZL: 1 [1 - **1** - **1**].
1 January 1946: Congo (Democratic Republic of the): Tanganyika, Congo shore of lake: RBINS: 9 [9 - **9** - **9**].
4 January 1946: Congo (Democratic Republic of the): Mwenda-Katuka piste: RBINS: 5 [5 - **5** - **5**].
6 March 1946: Guinea-Bissau: Catió: CZL: 1 [1 - **1** - **1**].
3 April 1946: Guinea-Bissau: Pitche: CZL: 1 [1 - **1** - **1**].
18 April 1946: Congo (Democratic Republic of the): Zobia: RBINS: 1 [1 - **1** - **1**].
4 May 1946: Ghana: Oda: FMNH: 3 [3 - **3** - **3**].
17 May 1946: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
8 August 1946: Congo (Democratic Republic of the): Yangambi: RBINS: 1 [1 - **1** - **1**].
1 October 1946: Congo (Democratic Republic of the): Mulungu: RBINS: 1 [1 - **1** - **1**].
20 November 1946: Congo (Democratic Republic of the): Albertville: RBINS: 1 [1 - **1** - **1**].
1 December 1946: Congo (Democratic Republic of the): Kakondo: RBINS: 1 [1 - **1** - **1**].
10 December 1946: Congo (Democratic Republic of the): Buta: RBINS: 1 [1 - **1** - **1**].
26 December 1946: Sudan: Tadoro: SMF: 3 [3 - **3** - **3**].
30 December 1946: Congo (Democratic Republic of the): Mutsora: RBINS: 1 [1 - **1** - **1**].
1 January 1947: Congo (Democratic Republic of the): Ituri Forest: RBINS: 2 [2] - Ituri, south: RBINS: 1 [1] - Mabwe: RBINS: 1 [1 - **4** - **4**].
2 January 1947: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
31 January 1947: South Africa: King Williamstown: KM: 1 [1 - **1** - **1**].
6 February 1947: Congo (Democratic Republic of the): Teturi: RBINS: 1 [1 - **1** - **1**].
20 February 1947: Congo (Democratic Republic of the): Mutsora: RBINS: 1 [1 - **1** - **1**].
4 March 1947: Congo (Democratic Republic of the): Albertville: RBINS: 1 [1] - Yangambi: RBINS: 1 [1 - **1** - **1** - **1**]. - **1**].
13 March 1947: Congo (Democratic Republic of the): Yangambi: RBINS: 2 [2 - **2** - **2**].
14 April 1947: Congo (Democratic Republic of the): Bela: RBINS: 1 [1 - **1** - **1**].
16 April 1947: Congo (Democratic Republic of the): Baraka: BMNH: 1, RBINS: 1 [1 [4 - **1** - **4** - **1**]. - **4**].
20 May 1947: Cameroon: Tibati: MHNC: 9 [9 - **9** - **9**].
26 May 1947: South Africa: Bloemfontein: NMB: 1 [1 - **1** - **1**].
1 June 1947: Congo (Democratic Republic of the): Pelenge, gorges: RBINS: 4 [4 - **4** - **4**].
4 June 1947: Congo (Democratic Republic of the): Pelenge, gorges: RBINS: 4 [4 - **4** - **4**].
5 June 1947: Congo (Democratic Republic of the): Albertville: RBINS: 1 [1 - **1** - **1**].
14 June 1947: Congo (Democratic Republic of the): Munoi: RBINS: 1 [1 - **1** - **1**].
30 June 1947: Congo (Democratic Republic of the): Teturi: RBINS: 1 [1 - **1** - **1**].
14 July 1947: Congo (Democratic Republic of the): Kafwe: RBINS: 18 [18 - **18** - **18**].
17 July 1947: Congo (Democratic Republic of the): Lusinga: RBINS: 1 [1 - **1** - **1**].
18 July 1947: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 2 [2 - **2** - **2**].
1 August 1947: Congo (Democratic Republic of the): Bela: RBINS: 1 [1 - **1** - **1**].
5 August 1947: Congo (Democratic Republic of the): Mabwe: RBINS: 2 [2] - Teturi: RBINS: 2 [2 - **4** - **4**].
6 August 1947: Congo (Democratic Republic of the): Mabwe: RBINS: 2 [2 - **2** - **2**].
7 August 1947: Congo (Democratic Republic of the): Mabwe: RBINS: 3 [3 - **3** - **3**].
8 August 1947: Congo (Democratic Republic of the): Mabwe: RBINS: 2 [2 - **2** - **2**].
10 August 1947: Congo (Democratic Republic of the): Butembo: RBINS: 2 [2] - Hoyo, Mount: RBINS: 1 [1] - Saga Saga, cave: RBINS: 1 [1 - **4** - **4**].
11 August 1947: Congo (Democratic Republic of the): Hoyo, Mount: RBINS: 1 [1] - Talatala: RBINS: 1 [1 - **2** - **2**].
12 August 1947: Congo (Democratic Republic of the): Butembo: RBINS: 1 [1] - Mabwe: RBINS: 2 [2] - Mount Hoyo: RBINS: 1 [1 - **4** - **4**].
14 August 1947: Congo (Democratic Republic of the): Butembo: RBINS: 5 [5] - Hoyo, Mount: RBINS: 3 [3] - Kabambi: RBINS: 1 [1 - **9** - **9**].
16 August 1947: Congo (Democratic Republic of the): Hoyo, Mount: RBINS: 4 [4] - Matupi Cave: RBINS: 1 [1 - **5** - **5**].
21 August 1947: Congo (Democratic Republic of the): Teturi: RBINS: 1 [1 - **1** - **1**].
22 August 1947: Congo (Democratic Republic of the): Yangambi: RBINS: 1 [1 - **1** - **1**].
24 August 1947: Congo (Democratic Republic of the): Kivulo: RBINS: 4 [4 - **4** - **4**].
31 August 1947: Congo (Democratic Republic of the): Yolokafiri: RBINS: 1 [1 - **1** - **1**].
4 September 1947: Congo (Democratic Republic of the): Mabwe: RBINS: 1 [1 - **1** - **1**].
19 September 1947: Congo (Democratic Republic of the): Albertville: RBINS: 1 [1 - **1** - **1**].
1 October 1947: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 3 [3 - **3** - **3**].
6 October 1947: Congo (Democratic Republic of the): Kaswabilenga: RBINS: 1 [1 - **1** - **1**].
7 October 1947: Congo (Democratic Republic of the): Kaswabilenga: RBINS: 1 [1 - **1** - **1**].
9 October 1947: Congo (Democratic Republic of the): Kaswabilenga: RBINS: 4 [4 - **4** - **4**].
4 November 1947: Congo (Democratic Republic of the): Kaswabilenga: RBINS: 1 [1 - **1** - **1**].
13 November 1947: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
17 November 1947: Congo (Democratic Republic of the): Kibanga: RBINS: 4 [4 - **4** - **4**].
22 November 1947: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 2 [2 - **2** - **2**].
26 November 1947: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
1 December 1947: Congo (Democratic Republic of the): Kateke: RBINS: 1 [1 - **1** - **1**].
4 December 1947: Congo (Democratic Republic of the): Kateke: RBINS: 3 [3 - **3** - **3**].
23 December 1947: Congo (Democratic Republic of the): Isato: RBINS: 2 [2 - **2** - **2**].
28 December 1947: Congo (Democratic Republic of the): Yangambi: RBINS: 1 [1 - **1** - **1**].
31 December 1947: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
1 January 1948: Congo (Democratic Republic of the): Unknown locality: RBINS: 10 [10] - Bambu: RBINS: 1 [1] - Fatakit: RBINS: 26 [26] - Garamba National Park: RBINS: 4 [4 - **41** - **41**].
3 January 1948: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
12 January 1948: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
17 January 1948: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
24 February 1948: Congo (Democratic Republic of the): Yangambi: RBINS: 1 [1 - **1** - **1**].
15 March 1948: Congo (Democratic Republic of the): Teturi: RBINS: 1 [1 - **1** - **1**].
26 March 1948: Congo (Democratic Republic of the): Mbuye-Bala river: RBINS: 1 [1 - **1** - **1**].

9 April 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 11 [11 [1 - **11** - **1** - **11**]. - **1**].
10 April 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
12 April 1948: Congo (Democratic Republic of the): Aba: RBINS: 4 [4 - **4** - **4**].
13 April 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
1 May 1948: Congo (Democratic Republic of the): Dungu: RBINS: 16 [16] - Gangala na Bodio: RBINS: 4 [4 - **20** - **20**].
5 May 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
11 May 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 2 [2 - **2** - **2**].
25 May 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
31 May 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
1 June 1948: Congo (Democratic Republic of the): Banana: RBINS: 1 [1] - Kanzenze mission: RBINS: 2 [2 - **3** - **3**].
15 June 1948: Congo (Democratic Republic of the): Teturi: RBINS: 1 [1 - **1** - **1**].
1 July 1948: Angola: Dundo: FMNH: 1 [1 - **1**].
Rwanda: Gabiro: RBINS: 1 [1 - **1** - **2**].
2 July 1948: Congo (Democratic Republic of the): Zongo: RBINS: 1 [1 - **1** - **1**].
5 July 1948: Congo (Democratic Republic of the): Kafwe: RBINS: 1 [1 - **1** - **1**].
7 July 1948: Congo (Democratic Republic of the): Kiamokoto: RBINS: 1 [1 - **1** - **1**].
8 July 1948: Congo (Democratic Republic of the): Kiamokoto: RBINS: 1 [1 - **1** - **1**].
23 July 1948: Congo (Democratic Republic of the): Kilwezi: RBINS: 1 [1 - **1** - **1**].
7 August 1948: Congo (Democratic Republic of the): Kiamokoto: RBINS: 1 [1 - **1** - **1**].
8 August 1948: Congo (Democratic Republic of the): Kiamokoto: RBINS: 4 [4 - **4** - **4**].
9 August 1948: Congo (Democratic Republic of the): Kilwezi: RBINS: 4 [4 - **4** - **4**].
20 August 1948: Congo (Democratic Republic of the): Kilwezi: RBINS: 1 [1 - **1** - **1**].
20 September 1948: Congo (Democratic Republic of the): Masombwe: RBINS: 1 [1 - **1** - **1**].
23 September 1948: Rwanda: Gabiro: RBINS: 1 [1 - **1** - **1**].
27 September 1948: Rwanda: Gabiro: RBINS: 8 [8 - **8** - **8**].
1 October 1948: Congo (Democratic Republic of the): Gandajika: RBINS: 2 [2] - Kanzenze mission: RBINS: 3 [3 - **5** - **5**].
4 October 1948: Congo (Democratic Republic of the): Kiamokoto: RBINS: 2 [2 - **2** - **2**].
10 October 1948: Congo (Democratic Republic of the): Masombwe: RBINS: 15 [15 - **15** - **15**].
12 October 1948: Congo (Democratic Republic of the): Lukobwe: RBINS: 1 [1] - Masombwe: RBINS: 3 [3 - **4** - **4**].
19 October 1948: Congo (Democratic Republic of the): Masombwe: RBINS: 5 [5 - **5** - **5**].
12 November 1948: Mozambique: Manhiça: CZL: 2 [2 - **2** - **2**].
19 November 1948: Congo (Democratic Republic of the): Mabwe: RBINS: 1 [1 - **1** - **1**].
2 December 1948: Congo (Democratic Republic of the): Mabwe: RBINS: 1 [1 - **1** - **1**].
22 December 1948: Congo (Democratic Republic of the): Mabwe: RBINS: 1 [1 - **1** - **1**].
23 December 1948: Congo (Democratic Republic of the): Mabwe: RBINS: 1 [1 - **1** - **1**].
24 December 1948: Congo (Democratic Republic of the): Masombwe: RBINS: 1 [1 - **1** - **1**].
1 January 1949: Angola: Dundo: FMNH: 1 [1 - **1** - **1**].
6 January 1949: Congo (Democratic Republic of the): Mabwe: RBINS: 1 [1 - **1** - **1**].
31 January 1949: Congo (Democratic Republic of the): Mabwe: RBINS: 1 [1 - **1** - **1**].
16 February 1949: Congo (Democratic Republic of the): Mabwe: RBINS: 2 [2 - **2** - **2**].
1 March 1949: Congo (Democratic Republic of the): Mabwe: RBINS: 3 [3 - **3** - **3**].
3 April 1949: Congo (Democratic Republic of the): Kabenge: RBINS: 3 [3 - **3** - **3**].
6 May 1949: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
22 May 1949: Congo (Democratic Republic of the): Mount Sombwe: RBINS: 1 [1 - **1** - **1**].
23 May 1949: Congo (Democratic Republic of the): Murambi: RBINS: 1 [1 - **1** - **1**].
4 August 1949: South Africa: Sterkfontein caves: TM: 1 [1 - **1** - **1**].
9 August 1949: Namibia: Nampini: TM: 1 [1 - **1** - **1**].
10 August 1949: Congo (Democratic Republic of the): Mabwe: RBINS: 10 [10 - **10** - **10**].
19 September 1949: Congo (Democratic Republic of the): Eringete: RBINS: 1 [1 - **1** - **1**].
4 November 1949: Congo (Democratic Republic of the): Mutsora: RBINS: 1 [1 - **1** - **1**].
1 January 1950: Egypt: Faiyoum: OMNH: 11 [11 - **11** - **11**].
1 February 1950: Congo (Democratic Republic of the): Buta: RBINS: 1 [1 - **1** - **1**].
16 March 1950: Egypt: Giza Pyramids: OMNH: 9 [9 - **9** - **9**].
8 May 1950: Egypt: Al Jiza governorate: OMNH: 13 [13 - **13** - **13**].
14 May 1950: Egypt: Unknown locality: OMNH: 4 [4 - **4** - **4**].
20 August 1950: Egypt: Saqqara: OMNH: 8 [8 - **8** - **8**].
1 September 1950: Egypt: Saqqara: OMNH: 5 [5 - **5** - **5**].
4 September 1950: Morocco: Ras El Oued, cave: BRTC: 2 [2 - **2** - **2**].
7 October 1950: Congo (Democratic Republic of the): Léopoldville: RBINS: 1 [1 - **1** - **1**].
6 December 1950: Congo (Democratic Republic of the): Buta: RBINS: 1 [1 - **1** - **1**].
22 December 1950: South Africa: Onderstepoort: TM: 1 [1 - **1** - **1**].
7 January 1951: Zimbabwe: Gorgman: TM: 1 [1 - **1** - **1**].
18 January 1951: Zimbabwe: Inyanga: TM: 1 [1 - **1** - **1**].
27 January 1951: South Africa: Town Bush Valley cave: HZM: 1 [1 - **1** - **1**].
13 February 1951: South Africa: Unknown locality: ZMA: 1 [1 - **1** - **1**].
21 February 1951: South Africa: Pretoria: MZUF: 1 [1 - **1** - **1**].
3 March 1951: South Africa: Unknown locality: ZMA: 1 [1 - **1** - **1**].
14 May 1951: Egypt: Giza Pyramids: OMNH: 17 [17] - Gizeh: OMNH: 8 [8 - **25** - **25**].
15 May 1951: Egypt: Gizeh: OMNH: 1 [1 - **1** - **1**].
1 June 1951: Namibia: Kako, Otavi: TM: 1 [1 - **1** - **1**].
16 June 1951: Congo (Democratic Republic of the): Mutsora: RBINS: 1 [1 - **1** - **1**].
20 June 1951: South Africa: Stellenbosch Flats: SMF: 2 [2 - **2** - **2**].
29 June 1951: Namibia: Ohopoho: TM: 1 [1 - **1** - **1**].
1 July 1951: Congo (Democratic Republic of the): Mount Wago: RBINS: 1 [1 - **1** - **1**].
3 July 1951: Congo (Democratic Republic of the): Mutsora: RBINS: 1 [1 - **1** - **1**].
24 July 1951: Congo (Democratic Republic of the): Kawa: RBINS: 1 [1 - **1** - **1**].

6 September 1951: Egypt: Abu Rawash: OMNH: 3 [3 - **3** - **3**].
1 November 1951: Congo (Democratic Republic of the): Mount Wago: RBINS: 2 [2 - **2** - **2**].
28 November 1951: Guinea: Zié cave: MNHN: 3 [3 - **3** - **3**].
10 December 1951: Congo (Democratic Republic of the): Gandajika: RBINS: 1 [1 - **1** - **1**].
1 January 1952: Congo (Democratic Republic of the): Kawa: RBINS: 1 [1] - Mount Wago: RBINS: 1 [1 - **2** - **2**].
6 March 1952: Congo (Democratic Republic of the): Liki: RBINS: 1 [1 - **1** - **1**].
14 May 1952: Congo (Democratic Republic of the): Mutsora: RBINS: 1 [1 - **1** - **1**].
25 May 1952: Chad: Fort Archambault: USNM: 1 [1 - **1** - **1**].
4 July 1952: Morocco: Taza province: SMF: 2 [2 - **2** - **2**].
9 July 1952: Congo (Democratic Republic of the): Blukwa: RBINS: 1 [1 - **1** - **1**].
10 July 1952: Congo (Democratic Republic of the): Edouard,lac: RBINS: 1 [1 - **1** - **1**].
11 July 1952: Congo (Democratic Republic of the): Mutsora: RBINS: 1 [1 - **1** - **1**].
16 July 1952: Egypt: Idfina: OMNH: 4 [4 - **4** - **4**].
29 July 1952: Congo (Democratic Republic of the): Mount Wago: RBINS: 1 [1 - **1** - **1**].
1 August 1952: Congo (Democratic Republic of the): Kalenda: RBINS: 1 [1 - **1** - **1**].
1 September 1952: South Africa: Durban: AMNH: 1 [1 - **1** - **1**].
8 September 1952: Congo (Democratic Republic of the): Kalenda [Kasai]: RBINS: 1 [1 - **1** - **1**].
17 September 1952: Congo (Democratic Republic of the): Mount Wago: RBINS: 1 [1 - **1** - **1**].
18 September 1952: Congo (Democratic Republic of the): Mount Wago: RBINS: 1 [1 - **1** - **1**].
22 September 1952: Congo (Democratic Republic of the): Saliboko: RBINS: 1 [1 - **1** - **1**].
27 September 1952: Tanzania: Ngombeni: BRTC: 1 [1 - **1** - **1**].
29 September 1952: Congo (Democratic Republic of the): Né, mount: RBINS: 1 [1 - **1** - **1**].
24 October 1952: "Africa": Unknown locality: MHNG: 1 [1 - **1** - **1**].
1 November 1952: Congo (Democratic Republic of the): Mount Wago: RBINS: 1 [1 - **1** - **1**].
26 November 1952: Congo (Democratic Republic of the): Goma: RBINS: 1 [1 - **1** - **1**].
9 December 1952: Congo (Democratic Republic of the): Goma: RBINS: 1 [1 - **1** - **1**].
24 December 1952: Congo (Democratic Republic of the): Goma: RBINS: 1 [1 - **1** - **1**].
1 January 1953: Morocco: Grotte de Zegzel: ZMA: 1 [1 - **1** - **1**].
12 January 1953: Congo (Democratic Republic of the): Vitshumbi: RBINS: 1 [1 - **1** - **1**].
10 February 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 1 [1 - **1** - **1**].
16 February 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 1 [1 - **1** - **1**].
26 February 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 2 [2 - **2** - **2**].
13 March 1953: Congo (Democratic Republic of the): Edouard,lac: RBINS: 1 [1 - **1** - **1**].
15 March 1953: South Africa: Unknown locality: SMF: 1 [1 - **1** - **1**].
16 March 1953: Congo (Democratic Republic of the): Katanda: RBINS: 1 [1 - **1** - **1**].
26 March 1953: Kenya: Thika: CAS: 1 [1 - **1** - **1**].
1 April 1953: Egypt: Gizeh: OMNH: 2 [2 - **2** - **2**].
21 April 1953: Congo (Democratic Republic of the): Vitshumbi: RBINS: 1 [1 - **1** - **1**].
27 April 1953: Kenya: Nairobi: CAS: 1 [1 - **1** - **1**].
6 May 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 10 [10 - **10** - **10**].
15 June 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 1 [1 - **1**].
Egypt: Abu Rawash: OMNH: 1 [1] - Giza Pyramids: CAS: 3 [3] - Gizeh: OMNH: 1 [1 - **5** - **6**].
26 June 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 1 [1 - **1** - **1**].
27 June 1953: Rwanda: Bugarura island: RBINS: 6 [6 - **6** - **6**].
4 August 1953: Congo (Democratic Republic of the): Zeya: RBINS: 1 [1 - **1** - **1**].
21 September 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 1 [1 - **1** - **1**].
24 September 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 3 [3 - **3** - **3**].
26 September 1953: Congo (Democratic Republic of the): Kinawa passage: RBINS: 1 [1] - Ngeze Kidoko: RBINS: 1 [1 - **2** - **2**].
1 October 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 1 [1 - **1** - **1**].
4 November 1953: Angola: Dundo: MDL: 1 [1 - **1** - **1**].
19 November 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 1 [1 - **1** - **1**].
20 November 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 1 [1 - **1** - **1**].
21 November 1953: Congo (Democratic Republic of the): Sabe: RBINS: 1 [1 - **1** - **1**].
23 November 1953: Congo (Democratic Republic of the): Kasenyi: RBINS: 1 [1 - **1** - **1**].
1 December 1953: Congo (Democratic Republic of the): Nagero: RBINS: 1 [1 - **1** - **1**].
30 December 1953: Somalia: Berbera, near: BMNH: 1 [1 - **1** - **1**].
31 December 1953: Congo (Democratic Republic of the): Nagero: RBINS: 1 [1 - **1** - **1**].
1 January 1954: Angola: Duque de Braganca, 25 km N, 15 km E: FMNH: 1 [1 - **1** - **1**].
26 January 1954: Congo (Democratic Republic of the): Edouard,lac: RBINS: 2 [2 - **2** - **2**].
17 February 1954: Congo (Democratic Republic of the): Kasenye, 10 km N: RBINS: 1 [1 - **1** - **1**].
3 March 1954: Congo (Democratic Republic of the): Kasenye, 10 km N: RBINS: 1 [1 - **1** - **1**].
10 March 1954: Congo (Democratic Republic of the): Kasenye, 10 km N: RBINS: 1 [1 - **1** - **1**].
11 March 1954: Congo (Democratic Republic of the): Nagero: RBINS: 1 [1 - **1** - **1**].
14 March 1954: Angola: Canzele: FMNH: 2 [2 - **2** - **2**].
17 March 1954: Congo (Democratic Republic of the): Kasenye, 10 km N: RBINS: 1 [1 - **1** - **1**].
20 March 1954: Congo (Democratic Republic of the): Kasenye, 10 km N: RBINS: 1 [1 - **1** - **1**].
30 March 1954: Congo (Democratic Republic of the): Kasenye, 10 km N: RBINS: 2 [2 - **2** - **2**].
7 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
8 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
9 April 1954: South Africa: Unknown locality: TM: 1 [1] - Ndumu Police Station: NM: 1 [1 - **2** - **2**].
10 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
15 April 1954: Sudan: Jebel el Azraq: FMNH: 2 [2 - **2** - **2**].
27 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
18 May 1954: Namibia: Harisib: TM: 1 [1] - Nasib: TM: 1 [1 - **2** - **2**].
4 June 1954: Congo (Democratic Republic of the): Nagero: RBINS: 1 [1 - **1** - **1**].
21 June 1954: Sudan: Jebel el Azraq: FMNH: 1 [1 - **1** - **1**].

24 June 1954: Chad: Fort Lamy: RBINS: 1 [1 - **1** - **1**].
25 June 1954: Angola: Alto Chicapa: BMNH: 1 [1 - **1** - **1**].
12 July 1954: Angola: Alto Chicapa: MDL: 1 [1 - **1** - **1**].
22 July 1954: Congo (Democratic Republic of the): Nagero: RBINS: 1 [1 - **1** - **1**].
23 July 1954: Angola: Gabela, 30 km S: FMNH: 1 [1 - **1** - **1**].
27 July 1954: Angola: Gabela, 30 km S: FMNH: 1 [1 - **1** - **1**].
10 November 1954: Congo (Democratic Republic of the): Liki: RBINS: 2 [2 - **2** - **2**].
11 November 1954: Congo (Democratic Republic of the): Edouard,lac: RBINS: 1 [1 - **1** - **1**].
18 November 1954: Congo (Democratic Republic of the): Liki: RBINS: 2 [2 - **2** - **2**].
22 November 1954: Congo (Democratic Republic of the): Kasenye, 10 km N: RBINS: 13 [13 - **13** - **13**].
23 November 1954: Congo (Democratic Republic of the): Kasenye, 10 km N: RBINS: 2 [2 - **2** - **2**].
24 December 1954: Congo (Democratic Republic of the): Kasenye, 10 km N: RBINS: 2 [2 - **2** - **2**].
7 January 1955: Tanzania: Tengeru: SMF: 2 [2 - **2** - **2**].
22 February 1955: Malawi: Lilongwe: HZM: 1 [1 - **1** - **1**].
17 March 1955: South Africa: Bishopstowe cave: TM: 4 [4 - **4** - **4**].
17 July 1955: Tanzania: Kafukola: TM: 1 [1 - **1** - **1**].
13 August 1955: Tanzania: Kafukola: TM: 1 [1 - **1** - **1**].
20 August 1955: Tanzania: Kafukola: TM: 1 [1 - **1** - **1**].
23 August 1955: Tanzania: Kafukola: TM: 1 [1 - **1** - **1**].
4 September 1955: Senegal: Badi: MHNG: 1 [1 - **1** - **1**].
21 September 1955: Congo (Democratic Republic of the): Katanga: SMF: 2 [2 - **2** - **2**].
30 October 1955: Congo (Democratic Republic of the): Kashiobwe: SMF: 1 [1 - **1** - **1**].
30 November 1955: Tanzania: Bagamoyo: RMNH: 8 [8 - **8** - **8**].
19 December 1955: Congo (Democratic Republic of the): Elisabethville: SMF: 1 [1 - **1** - **1**].
23 December 1955: Congo (Democratic Republic of the): Lubumbashi: SMF: 1 [1 - **1** - **1**].
27 December 1955: Congo (Democratic Republic of the): Mumene: SMF: 1 [1] - Musonge: BMNH: 1 [1 - **2** - **2**].
28 December 1955: Congo (Democratic Republic of the): Mumene: BMNH: 1, SMF: 1 [2 - **2** - **2**].
1 January 1956: Rwanda: Masha: RBINS: 2 [2 - **2** - **2**].
2 January 1956: Angola: Dundo Lundo: BMNH: 1 [1 - **1** - **1**].
9 January 1956: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
4 February 1956: Congo (Democratic Republic of the): Kokonde: SMF: 1 [1 - **1** - **1**].
11 March 1956: South Africa: Pinetown: DNSM: 2 [2 - **2** - **2**].
1 April 1956: Madagascar: Bas Mangoky agricultural station: MNHN: 1 [1 - **1** - **1**].
24 June 1956: Kenya: Kabete: SMF: 10 [10] - Nairobi: SMF: 2 [2 - **12** - **12**].
4 July 1956: Kenya: Kiboko: SMF: 12 [12 - **12** - **12**].
15 July 1956: Kenya: Unknown locality: SMF: 2 [2 - **2** - **2**].
17 July 1956: Kenya: Unknown locality: SMF: 25 [25] - Coast [former] province: SMF: 8 [8] - Ngombeni: SMF: 2 [2 - **2** - **33** - **2**]. - **33**].
24 July 1956: Tanzania: Arusha region: SMF: 4 [4 - **4** - **4**].
3 August 1956: Tanzania: Tanga region: SMF: 17 [17 - **17** - **17**].
13 August 1956: Kenya: Unknown locality: SMF: 6 [6] - Central [former] province: SMF: 2 [2 - **8** - **8**].
21 August 1956: Kenya: Unknown locality: SMF: 4 [4 - **4** - **4**].
20 September 1956: Zimbabwe: Bulawayo: NHMZ: 1 [1 - **1** - **1**].
20 October 1956: Congo (Democratic Republic of the): Katanga: SMF: 1 [1 - **1** - **1**].
14 November 1956: Congo (Democratic Republic of the): Elisabethville: SMF: 1 [1 - **1** - **1**].
15 November 1956: Guinea: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 November 1956: Tanzania: Nachingwea: BRTC: 1, SMF: 1 [1 [1 - **1** - **1** - **1**]. - **1**].
23 November 1956: Guinea: Unknown locality: SMF: 1 [1 - **1** - **1**].
27 November 1956: Guinea: Unknown locality: SMF: 1 [1 - **1** - **1**].
2 December 1956: Tanzania: Bagamoyo: RMNH: 2 [2 - **2** - **2**].
3 December 1956: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
4 December 1956: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
1 January 1957: Kenya: Nakuru: CAS: 2 [2 - **2**].
Rwanda: Unknown locality: SMF: 4 [4 - **4** - **6**].
7 February 1957: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].
28 March 1957: Egypt: Jebel Drunka: FMNH: 1 [1 - **1** - **1**].
16 May 1957: Kenya: Wajir: CAS: 1 [1 - **1** - **1**].
24 July 1957: South Africa: Sterkfontein caves: TM: 1 [1 - **1** - **1**].
1 September 1957: Uganda: Semliki Game Reserve: BRTC: 1 [1 - **1** - **1**].
22 September 1957: Mozambique: Marine Research Station: TM: 9 [9 - **9** - **9**].
24 September 1957: Mozambique: Marine Research Station: TM: 6 [6 - **6** - **6**].
25 September 1957: Mozambique: Marine Research Station: TM: 1 [1 - **1** - **1**].
31 October 1957: Cameroon: Sud-Ouest region: SMF: 2 [2 - **2** - **2**].
2 December 1957: Kenya: Mount Kenya, W side: SMF: 1 [1 - **1** - **1**].
1 January 1958: Kenya: Nakuru: CAS: 1 [1 - **1** - **1**].
7 January 1958: South Africa: Howell Davies Caves: TM: 22 [22 - **22** - **22**].
12 January 1958: Kenya: Nairobi Area: SMF: 1 [1 - **1** - **1**].
13 January 1958: South Africa: Farm Makapansgat, Ficus cave: TM: 5 [5 - **5** - **5**].
19 January 1958: South Africa: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 February 1958: Cameroon: Sud-Ouest region: SMF: 1 [1 - **1** - **1**].
3 February 1958: Cameroon: Sud-Ouest region: SMF: 1 [1 - **1** - **1**].
9 February 1958: South Africa: Irene, Cave of Death: TM: 1 [1 - **1** - **1**].
1 March 1958: Congo (Democratic Republic of the): Kolwezi: OSU: 1 [1 - **1**].
Kenya: Voi: SMF: 2 [2 - **2** - **2**]. - **1**].
5 March 1958: Cameroon: Sud-Ouest region: SMF: 1 [1 - **1** - **1**].
8 April 1958: Cameroon: Unknown locality: SMF: 2 [2 - **2** - **2**].

14 April 1958: Cameroon: Unknown locality: SMF: 6 [6 - **6** - **6**].
18 April 1958: Kenya: Nakuru: CAS: 1 [1 - **1** - **1**].
26 May 1958: Kenya: Gilgil, near: CAS: 1 [1 - **1** - **1**].
30 May 1958: Kenya: Nairobi: CAS: 1 [1 - **1** - **1**].
1 June 1958: Kenya: Lukenia: CAS: 2 [2 - **2**].
South Africa: Unknown locality: SMF: 1 [1 - **1** - **3**].
2 June 1958: Kenya: Athi river: CAS: 1 [1 - **1** - **1**].
4 June 1958: Tanzania: Liwale: SMF: 2 [2 - **2** - **2**].
5 June 1958: Kenya: Lukenia: CAS: 10 [10 - **10** - **10**].
11 June 1958: Kenya: Nyeri: CAS: 1 [1 - **1** - **1**].
12 June 1958: Kenya: Langata: CAS: 3 [3] - Nairobi: CAS: 5 [5 - **8** - **8**].
15 June 1958: Kenya: Lake Naivasha: CAS: 5 [5] - South Kinangop plateau: CAS: 1 [1 - **6** - **6**].
17 June 1958: Kenya: Voi: CAS: 5 [5 - **5** - **5**].
18 June 1958: Kenya: Nairobi: CAS: 1 [1 - **1** - **1**].
20 June 1958: Kenya: Lake Naivasha: CAS: 1 [1 - **1** - **1**].
21 June 1958: Kenya: Limuru: CAS: 11 [11 - **11** - **11**].
11 July 1958: Kenya: Lake Naivasha: CAS: 1 [1 - **1**].
Tanzania: Lindi region: SMF: 3 [3 - **3** - **4**].
15 July 1958: Kenya: South Kinangop plateau: CAS: 3 [3 - **3** - **3**].
1 August 1958: Kenya: Unknown locality: SMF: 2 [2] - Lake Naivasha: CAS: 1 [1 - **3**].
Somalia: Hargeisa: CAS: 3 [3 - **3**].
Uganda: Murchinson Falls: CAS: 2 [2 - **2** - **8**].
2 August 1958: Kenya: Kitale, 25 mi [=40 km] NW: CAS: 3 [3 - **3** - **3**].
4 August 1958: Kenya: Nakuru: CAS: 1 [1 - **1** - **1**].
9 August 1958: Kenya: Rift Valley [former] province: SMF: 1 [1 - **1** - **1**].
10 August 1958: Somalia: Hargeisa: CAS: 5 [5 - **5** - **5**].
15 August 1958: Kenya: Nakuru: CAS: 1 [1 - **1** - **1**].
18 August 1958: Kenya: Nairobi: CAS: 1 [1 - **1** - **1**].
19 August 1958: Tanzania: Unknown locality: SMF: 1 [1 - **1** - **1**].
27 August 1958: Kenya: Kitale, 25 mi [=40 km] NW: CAS: 1 [1 - **1** - **1**].
31 August 1958: Kenya: Unknown locality: SMF: 2 [2] - Nakuru: CAS: 1 [1] - Rongai: CAS: 1 [1 - **4** - **4**].
4 September 1958: Kenya: Lake Naivasha: CAS: 7 [7 - **7** - **7**].
10 September 1958: Kenya: Molo: CAS: 1 [1 - **1** - **1**].
14 September 1958: Kenya: Magadi, near: CAS: 2 [2 - **2** - **2**].
2 December 1958: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
19 December 1958: South Africa: Sunnyside: TM: 1 [1 - **1** - **1**].
29 December 1958: South Africa: Irene: TM: 1 [1 - **1** - **1**].
17 January 1959: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
1 February 1959: Tanzania: Kilosa: KU: 1 [1 - **1** - **1**].
30 March 1959: Tanzania: Nachingwea: SMF: 1 [1 - **1** - **1**].
1 April 1959: Tanzania: Lindi region: SMF: 2 [2 - **2** - **2**].
10 May 1959: Namibia: Swakopmund: TM: 1 [1 - **1** - **1**].
12 May 1959: Kenya: Nairobi: SMF: 1 [1 - **1** - **1**].
19 May 1959: Namibia: Rooibank: TM: 1 [1 - **1** - **1**].
9 July 1959: Tanzania: Tabora: HNHM: 1 [1 - **1** - **1**].
21 July 1959: South Africa: Kaggasmoudt: NM: 1 [1 - **1** - **1**].
8 August 1959: Somalia: Afgoi: MZUF: 1 [1 - **1** - **1**].
13 August 1959: Somalia: El-Bur: TM: 3 [3 - **3** - **3**].
17 August 1959: Kenya: Nakuru: SMF: 1 [1 - **1**].
Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**]. - **1**].
20 August 1959: Somalia: El Bur to El Der, road between: TM: 2 [2] - El-Bur: TM: 1 [1 - **3** - **3**].
1 September 1959: Kenya: Rift Valley [former] province: SMF: 1 [1 - **1**].
South Sudan: Amadi: ZMUC: 3 [3 - **3** - **4**].
4 September 1959: Somalia: Gelib: MZUF: 1 [1 - **1** - **1**].
5 September 1959: Somalia: Genale: MZUF: 1 [1 - **1** - **1**].
6 September 1959: Somalia: Genale: MZUF: 1 [1 - **1** - **1**].
7 September 1959: Kenya: Langata: SMF: 1 [1 - **1** - **1**].
18 September 1959: Kenya: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 September 1959: Somalia: Afgoi: MZUF: 1 [1 - **1**].
South Africa: Scottburgh: DNSM: 2 [2 - **2** - **3**].
30 November 1959: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
1 December 1959: Kenya: Unknown locality: SMF: 2 [2 - **2** - **2**].
5 December 1959: Congo (Democratic Republic of the): Mwela-Panda cave: RBINS: 1 [1 - **1** - **1**].
6 December 1959: Congo (Democratic Republic of the): Mwela-Panda cave: RBINS: 10 [10] - Tenke: RBINS: 1 [1 - **11** - **11**].
16 December 1959: Congo (Democratic Republic of the): Jadotville: RBINS: 2 [2 - **2** - **2**].
18 December 1959: Congo (Democratic Republic of the): Jadotville: RBINS: 1 [1 - **1** - **1**].
27 December 1959: Congo (Democratic Republic of the): Mulungwishi: RBINS: 11 [11 - **11**].
Tanzania: Tambi: LACM: 1 [1 - **1** - **12**].
30 December 1959: South Africa: Harrismith: TM: 1 [1] - Harrismith district: TM: 1 [1 - **2** - **2**].
23 January 1960: Tanzania: Mtwara region: SMF: 1 [1 - **1** - **1**].
25 February 1960: Tanzania: Isongo: SMF: 1 [1 - **1** - **1**].
28 February 1960: Tanzania: Isongo: SMF: 1 [1 - **1** - **1**].
8 March 1960: South Africa: Nqutu: DNSM: 1 [1 - **1** - **1**].
23 March 1960: South Africa: Punda Malia: TM: 2 [2 - **2** - **2**].
24 March 1960: South Africa: Punda Milia Camp: TM: 3 [3] - Punda Milia Police post: TM: 2 [2 - **5** - **5**].
29 March 1960: South Africa: Matlepits Valley: TM: 1 [1 - **1** - **1**].

4 April 1960: Congo (Democratic Republic of the): Jadotville: RBINS: 1 [1 - **1** - **1**].
20 April 1960: South Africa: Scottburgh: DNSM: 9 [9 - **9** - **9**].
10 May 1960: Kenya: Unknown locality: SMF: 2 [2] - Karen: FMNH: 1, WNMU: 1 [2 - **4** - **4**].
15 May 1960: Tunisia: Nabeul governorate: SMF: 12 [12 - **12** - **12**].
17 May 1960: Congo (Democratic Republic of the): Kamikoni: RBINS: 1 [1 - **1** - **1**].
25 May 1960: Congo: Kila N'Tari cave: MNHN: 1 [1 - **1** - **1**].
1 June 1960: Kenya: Central [former] province: SMF: 4 [4 - **4** - **4**].
4 June 1960: Congo (Democratic Republic of the): Mulungwishi: RBINS: 1 [1] - Tantara cave: RBINS: 8 [8 - **9** - **9**].
11 June 1960: Congo (Democratic Republic of the): Salomoni cave: RBINS: 5 [5 - **5** - **5**].
28 June 1960: Congo (Democratic Republic of the): Jadotville: RBINS: 2 [2] - Salomoni cave: RBINS: 4 [4 - **6** - **6**].
26 July 1960: South Africa: Umbilo: DNSM: 1 [1 - **1** - **1**].
21 August 1960: Mozambique: Bela Vista: DNSM: 3 [3 - **3** - **3**].
24 August 1960: Sierra Leone: Musaia: BRTC: 1 [1 - **1** - **1**].
31 August 1960: Mozambique: Chimonzo: DNSM: 1 [1 - **1** - **1**].
1 September 1960: Mozambique: Chimonzo: DNSM: 2 [2 - **2** - **2**].
5 September 1960: Mozambique: Chimonzo: DNSM: 1 [1 - **1** - **1**].
21 September 1960: Congo (Democratic Republic of the): Kakanda cave: RBINS: 6 [6 - **6** - **6**].
22 September 1960: Congo (Democratic Republic of the): Kakanda cave: RBINS: 1 [1 - **1** - **1**].
29 September 1960: Congo (Democratic Republic of the): Kakanda cave: RBINS: 1 [1 - **1** - **1**].
1 December 1960: South Africa: Hatfield: TM: 2 [2 - **2** - **2**].
11 December 1960: South Africa: Jane Furse Hospital: TM: 1 [1 - **1** - **1**].
29 December 1960: South Africa: Burgers Park: TM: 1 [1 - **1** - **1**].
1 January 1961: South Africa: Tafelberg: SMF: 6 [6 - **6** - **6**].
17 January 1961: Congo (Democratic Republic of the): Kakontwe: RBINS: 1 [1 - **1** - **1**].
17 February 1961: South Africa: Durban: DNSM: 3 [3 - **3** - **3**].
28 March 1961: Zambia: Chilanga Cave: FMNH: 3 [3 - **3** - **3**].
30 March 1961: Kenya: Embu Boma: SMF: 1 [1 - **1** - **1**].
1 April 1961: Zambia: Chilanga-NR, Chilanga Caves: TM: 2 [2 - **2** - **2**].
5 April 1961: Congo (Democratic Republic of the): Jadotville: RBINS: 2 [2 - **2** - **2**].
21 April 1961: South Africa: Skukuza Koppies: TM: 1 [1 - **1** - **1**].
23 April 1961: Morocco: Marrakech prefecture: SMF: 16 [16 - **16** - **16**].
15 May 1961: Ghana: Kumasi: BMNH: 1 [1 - **1** - **1**].
20 May 1961: Congo (Democratic Republic of the): Salomoni cave: RBINS: 2 [2 - **2** - **2**].
1 June 1961: South Africa: Pretoria, near: FMNH: 1 [1 - **1** - **1**].
7 June 1961: South Africa: Amanzimtoti: DNSM: 2 [2 - **2** - **2**].
15 June 1961: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
16 June 1961: Congo (Democratic Republic of the): Kamatanda: RBINS: 2 [2 - **2** - **2**].
21 June 1961: Namibia: Ombu: SMF: 1 [1 - **1** - **1**].
9 July 1961: Zimbabwe: Penrose Farm, Mvurwi: FMNH: 2 [2 - **2** - **2**].
28 July 1961: Ghana: Tafo: BMNH: 1 [1 - **1** - **1**].
1 August 1961: Tunisia: Tozeur: SMF: 74 [74 - **74** - **74**].
31 August 1961: Sudan: Sennar: SMF: 1 [1 - **1** - **1**].
7 September 1961: Zimbabwe: Baruka Cave: FMNH: 2 [2 - **2** - **2**].
19 September 1961: Guinea-Bissau: Formosa Island: MNHN: 1 [1 - **1** - **1**].
24 September 1961: Sudan: Sennar: SMF: 1 [1 - **1** - **1**].
1 October 1961: Sudan: Khartoum: SMF: 22 [22 - **22** - **22**].
26 October 1961: Kenya: Nairobi Area: SMF: 3 [3 - **3** - **3**].
23 November 1961: South Africa: Punda Malia: TM: 2 [2 - **2** - **2**].
17 December 1961: Mozambique: Chemezi: TM: 2 [2 - **2** - **2**].
24 December 1961: Rwanda: Astrida: RMCA: 1 [1 - **1** - **1**].
29 December 1961: South Africa: Mtunzini: DNSM: 1 [1 - **1** - **1**].
1 January 1962: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1**].
Egypt: Unknown locality: YPM: 6 [6 - **6**].
Gabon: Batouala: MNHN: 1 [1 - **1**].
Namibia: Okahandja: SMF: 1 [1 - **1**].
Somalia: Afgoi: MZUF: 1 [1 - **1** - **1**]. - **9**].
17 January 1962: Tanzania: Unknown locality: TM: 1 [1 - **1** - **1**].
5 February 1962: Zimbabwe: Umtali, 10 mi [= 16 km] from, on Vumba road: FMNH: 2 [2 - **2** - **2**].
20 February 1962: Tanzania: Unknown locality: TM: 3 [3 - **3** - **3**].
9 April 1962: Côte d'Ivoire: Lamto Ecology Station: MNHN: 1 [1 - **1**].
South Africa: Nelspruit: TM: 1 [1 - **1** - **2**].
12 April 1962: Côte d'Ivoire: Lamto Ecology Station: MNHN: 1 [1 - **1** - **1**].
18 April 1962: Côte d'Ivoire: Lamto Ecology Station: MNHN: 2 [2 - **2** - **2**].
19 April 1962: Congo (Democratic Republic of the): Kyasala cave: RBINS: 1 [1 - **1** - **1**].
22 April 1962: Congo (Democratic Republic of the): Kyasala cave: RBINS: 4 [4 - **4** - **4**].
26 April 1962: Mozambique: Inhaca Island: DNSM: 1 [1 - **1** - **1**].
30 April 1962: Tanzania: Amani: TM: 1 [1 - **1** - **1**].
1 May 1962: Mozambique: Inhaca Island: DNSM: 1 [1 - **1** - **1**].
14 May 1962: South Africa: Sunnyside: TM: 1 [1 - **1** - **1**].
17 May 1962: South Africa: Modderfontein, Farm: DNSM: 1 [1 - **1** - **1**].
20 May 1962: Congo (Democratic Republic of the): Salomoni cave: RBINS: 1 [1 - **1** - **1**].
31 May 1962: Congo (Democratic Republic of the): Kakanda cave: RBINS: 13 [13 - **13**].
Sudan: Wad Medani: SMF: 5 [5 - **5** - **5**]. - **13**].
2 June 1962: Sudan: An Nil al Azraq state: SMF: 1 [1] - Wad Medani: SMF: 15 [15 - **16** - **16**].
8 June 1962: South Sudan: Nzara: SMF: 1 [1 - **1** - **1**].
12 June 1962: South Sudan: Nzara West: SMF: 2 [2 - **2** - **2**].

13 June 1962: South Sudan: Yei: SMF: 1 [1 - **1** - **1**].
25 June 1962: Sudan: An Nil al Azraq state: SMF: 1 [1] - Wad Medani: SMF: 1 [1 - **2** - **2**].
16 July 1962: Congo (Democratic Republic of the): Lusolo cave: RBINS: 9 [9 - **9** - **9**].
17 July 1962: Sudan: Dilling: SMF: 10 [10 [10 - **10** - **10**]. - **10**].
18 July 1962: Congo (Democratic Republic of the): Kyamakonde cave: RBINS: 7 [7 - **7** - **7**].
19 July 1962: Sudan: Dilling: SMF: 4 [4 - **4** - **4**].
20 July 1962: Sudan: Dilling: SMF: 1 [1 - **1** - **1**].
21 July 1962: Congo (Democratic Republic of the): Kakanda cave: RBINS: 2 [2] - Kyasala cave: RBINS: 2 [2 - **4** - **4**].
22 July 1962: Sudan: Dilling: SMF: 1 [1 - **1** - **1**].
23 July 1962: Congo (Democratic Republic of the): Kaboyaboya cave: RBINS: 4 [4 - **4**].
Sudan: Dilling: SMF: 2 [2 - **2** - **2**]. - **4**].
26 July 1962: Congo (Democratic Republic of the): Jadotville: RBINS: 2 [2 - **2** - **2**].
30 July 1962: Somalia: Villabruzzi [=Villa del dottore Abruzzi]: MZUF: 2 [2 - **2** - **2**].
2 August 1962: Nigeria: Nagaruta Forest Reserve: BMNH: 1 [1 - **1** - **1**].
13 August 1962: Congo (Democratic Republic of the): Kasoma: RBINS: 3 [3] - Kasoma cave: RBINS: 3 [3 - **6** - **6**].
18 August 1962: Congo (Democratic Republic of the): Kasoma: RBINS: 3 [3 - **3** - **3**].
25 August 1962: Congo (Democratic Republic of the): Pempéré cave: RBINS: 1 [1 - **1** - **1**].
1 September 1962: South Africa: Clarens, near: DNSM: 2 [2 - **2** - **2**].
4 September 1962: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
6 September 1962: Sudan: Unknown locality: SMF: 1 [1 - **1** - **1**].
12 September 1962: Sudan: Kadugli: SMF: 9 [9 - **9** - **9**].
1 October 1962: Uganda: Wandegeya: OMNH: 1 [1 - **1** - **1**].
3 October 1962: Kenya: Ngombeni: NMK: 2 [2 - **2** - **2**].
4 October 1962: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
5 October 1962: Equatorial Guinea: Bioko island: SMF: 1 [1 - **1**].
Sudan: Kadugli: SMF: 1 [1 - **1** - **2**].
12 October 1962: Sudan: Jebel Talao: SMF: 1 [1 - **1** - **1**].
13 October 1962: Sudan: Jebel Talao: SMF: 36 [36 - **36** - **36**].
20 October 1962: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
21 October 1962: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
22 October 1962: Sudan: Jebel Talao: SMF: 1 [1 - **1** - **1**].
23 October 1962: Sudan: Kadugli: SMF: 3 [3 - **3** - **3**].
2 November 1962: Sudan: Buram: SMF: 7 [7 - **7** - **7**].
13 November 1962: Sudan: El Lagowa: SMF: 1 [1 - **1** - **1**].
1 December 1962: Gabon: Bélinga: MNHN: 21 [21] - NE Gabon: MNHN: 2 [2 - **23** - **23**].
10 December 1962: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
15 December 1962: Sudan: Kadugli: SMF: 3 [3 - **3** - **3**].
1 January 1963: Tanzania: Pemba island: ROM: 4 [4] - Zanzibar: ROM: 1 [1 - **5** - **5**].
4 January 1963: Sudan: Kadugli: SMF: 3 [3 - **3** - **3**].
5 January 1963: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
10 January 1963: Sudan: Kadugli: SMF: 1 [1] - South Kordofan state: SMF: 1 [1 - **2** - **2**].
11 January 1963: Sudan: Kadugli: SMF: 3 [3 - **3** - **3**].
12 January 1963: Sudan: Kadugli: SMF: 5 [5 - **5** - **5**].
17 January 1963: Sudan: Kadugli: SMF: 3 [3] - South Kordofan state: SMF: 1 [1 - **4** - **4**].
18 January 1963: Sudan: Kadugli: SMF: 6 [6 - **6** - **6**].
21 January 1963: Sudan: Kadugli: SMF: 2 [2 - **2** - **2**].
23 January 1963: Gabon: Bélinga: MNHN: 1 [1 - **1** - **1**].
24 January 1963: Gabon: Bélinga: MNHN: 1 [1 - **1** - **1**].
25 January 1963: Gabon: Bélinga: MNHN: 1 [1 - **1** - **1**].
1 February 1963: Sudan: El Obeid: SMF: 10 [10 - **10** - **10**].
2 February 1963: Sudan: El Obeid: SMF: 4 [4 - **4** - **4**].
3 February 1963: Sudan: Semeih: SMF: 1 [1 - **1** - **1**].
4 February 1963: Sudan: Kologi: SMF: 1 [1 - **1** - **1**].
5 February 1963: Sudan: Kologi: SMF: 2 [2 - **2** - **2**].
12 February 1963: Sudan: Jebel Talao: SMF: 26 [26 [1 - **26** - **1** - **26**]. - **1**].
16 February 1963: Sudan: Jebel Talao: SMF: 1 [1 - **1** - **1**].
19 February 1963: Equatorial Guinea: Bioko island: SMF: 4 [4 - **4** - **4**].
20 February 1963: Gabon: Bélinga, confer: MNHN: 1 [1 - **1** - **1**].
22 February 1963: Gabon: Batouala: MNHN: 1 [1 - **1**].
Sudan: South Kordofan state: SMF: 1 [1 - **1** - **2**].
27 February 1963: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
8 March 1963: Kenya: Unknown locality: QM: 1 [1 - **1**].
Sudan: Kadugli: SMF: 1 [1 - **1** - **1**]. - **1**].
10 March 1963: Sudan: Kadugli: SMF: 2 [2 - **2** - **2**].
12 March 1963: Tunisia: Unknown locality: SMF: 14 [14] - El Houaria: SMF: 1 [1] - Nabeul governorate: SMF: 1 [1 - **1** - **15** - **1**]. - **15**].
13 March 1963: Sudan: Subeigh Forest Reserve: SMF: 1 [1 - **1** - **1**].
16 March 1963: Kenya: Unknown locality: QM: 1 [1 - **1**].
Sudan: Suki: SMF: 5 [5 - **5** - **5**]. - **1**].
18 March 1963: Sudan: Subeigh Forest Reserve: SMF: 2 [2 - **2** - **2**].
19 March 1963: Sudan: Subeigh Forest Reserve: SMF: 1 [1 - **1** - **1**].
20 March 1963: Kenya: Unknown locality: QM: 1 [1 - **1**].
Sudan: Subeigh Forest Reserve: SMF: 2 [2 - **2** - **2**]. - **1**].
22 March 1963: Sudan: Subeigh Forest Reserve: SMF: 1 [1 - **1** - **1**].
23 March 1963: Sudan: Subeigh Forest Reserve: SMF: 2 [2 - **2** - **2**].
26 March 1963: Sudan: Ronga Forest Reserve: SMF: 2 [2] - Subeigh Forest Reserve: SMF: 3 [3 - **5** - **5**].

28 March 1963: Sudan: El Gueisi: SMF: 4 [4 - **4** - **4**].
29 March 1963: Sudan: Bunzuga: SMF: 2 [2 - **2**].
Zambia: Fort Jameson: TM: 1 [1 - **1** - **2**]. - **1**].
30 March 1963: Sudan: Bunzuga: SMF: 2 [2 - **2** - **2**].
31 March 1963: Kenya: Mount Suswa: USNM: 4 [4 - **4**].
Sudan: Bunzuga: SMF: 1 [1 - **1** - **1**]. - **4**].
2 April 1963: Sudan: Bunzuga: SMF: 9 [9] - Subeigh Forest Reserve: SMF: 1 [1 - **10** - **10**].
11 April 1963: Liberia: Unknown locality: SMF: 1 [1] - Nimba county: SMF: 115 [115 - **116** - **116**].
1 May 1963: Swaziland: Mlawula Estates [= Mlawula Nature Reserve]: DNSM: 1 [1 - **1**].
Zambia: Missale Old Mine: TM: 2 [2 - **2** - **3**].
1 June 1963: Gabon: Bélinga: MNHN: 2 [2 - **2** - **2**].
7 June 1963: Kenya: Nairobi: USNM: 1 [1 - **1** - **1**].
15 June 1963: Kenya: Kakamega Forest, 12.8 km SE: USNM: 1 [1 - **1** - **1**].
18 June 1963: Kenya: Menengai: USNM: 1 [1 - **1** - **1**].
1 July 1963: Gabon: Batouala or Bélinga: MNHN: 1 [1] - Bélinga, near: MNHN: 2 [2 - **3** - **3**].
4 July 1963: Zimbabwe: Sentinel Ranch: DNSM: 3 [3] - Sentinel Ranch, Limpopo River: DNSM: 17 [17 - **20** - **20**].
22 July 1963: Gabon: Bélinga: MNHN: 1 [1 - **1** - **1**].
23 July 1963: Kenya: Isiolo: USNM: 1 [1 - **1** - **1**].
26 July 1963: Gabon: Batouala: MNHN: 1 [1 - **1** - **1**].
30 July 1963: Kenya: Kitale: WAM: 1 [1 - **1** - **1**].
1 August 1963: Uganda: Ntorako: LACM: 1 [1 - **1** - **1**].
15 August 1963: Kenya: Diani, Moto cave: BMNH: 1 [1 - **1** - **1**].
21 August 1963: Kenya: Kilifi: USNM: 5 [5 - **5** - **5**].
24 August 1963: Nigeria: Ilesha: HZM: 1 [1 - **1** - **1**].
1 September 1963: Kenya: Diani coast: NMK: 2 [2 - **2** - **2**].
7 October 1963: Kenya: Molo: LACM: 1 [1 - **1** - **1**].
9 October 1963: Kenya: Kerio Valley: LACM: 2 [2 - **2** - **2**].
10 October 1963: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
11 October 1963: Uganda: Budongo Forest: LACM: 1 [1 - **1** - **1**].
14 October 1963: Sudan: Jebelein: SMF: 27 [27 - **27** - **27**].
18 October 1963: South Africa: Mtunzini: DNSM: 3 [3] - Twin Streams: DNSM: 1 [1 - **4** - **4**].
25 October 1963: Kenya: Waa: LACM: 2 [2 - **2** - **2**].
1 November 1963: Congo: Odzala National Park: MNHN: 1 [1 - **1**].
Kenya: Machakos: LACM: 1 [1 - **1**].
Tanzania: Tanga: LACM: 7 [7 - **7** - **8**]. - **1**].
3 November 1963: Kenya: Isiolo: LACM: 1 [1 - **1** - **1**].
5 November 1963: Kenya: Unknown locality: QM: 1 [1 - **1** - **1**].
7 November 1963: Congo: Brazzaville: MNHN: 1 [1 - **1** - **1**].
10 November 1963: Congo: Brazzaville: MNHN: 1 [1 - **1** - **1**].
12 November 1963: Congo: Brazzaville: MNHN: 1 [1 - **1** - **1**].
16 November 1963: Kenya: Nairobi: WAM: 1 [1 - **1** - **1**].
17 November 1963: Congo: Sibiti: MNHN: 1 [1 - **1** - **1**].
19 November 1963: Congo: Sibiti: MNHN: 1 [1 - **1** - **1**].
20 November 1963: Congo: Sibiti: MNHN: 1 [1 - **1** - **1**].
21 November 1963: Congo: Sibiti: MNHN: 1 [1 - **1** - **1**].
22 November 1963: Congo: Sibiti: MNHN: 1 [1 - **1** - **1**].
23 November 1963: Congo: Sibiti: MNHN: 5 [5 - **5** - **5**].
25 November 1963: Congo: Sibiti: MNHN: 1 [1 - **1** - **1**].
26 November 1963: Congo: Sibiti: MNHN: 1 [1 - **1** - **1**].
28 November 1963: Congo: Sibiti: MNHN: 1 [1 - **1** - **1**].
1 December 1963: South Africa: Mtunzini: DNSM: 1 [1 - **1**].
Togo: Kouda Topki: MNHN: 4 [4 - **4** - **5**].
7 December 1963: Congo: Sibiti: MNHN: 1 [1 - **1** - **1**].
10 December 1963: South Africa: Letsitele: TM: 3 [3 - **3** - **3**].
12 December 1963: Gabon: Makokou: MNHN: 2 [2 - **2** - **2**].
15 December 1963: Gabon: Makokou: MNHN: 1 [1 - **1**].
South Africa: Mtunzini: DNSM: 5 [5] - Twin Streams: DNSM: 1 [1 - **6** - **7**].
19 December 1963: Congo: Meya-Nzouari,cave: MNHN: 1 [1 - **1** - **1**].
22 December 1963: Zambia: Livingstone: NMZL: 1 [1 - **1** - **1**].
29 December 1963: Togo: Kouda Topki: MNHN: 9 [9 - **9** - **9**].
1 January 1964: Namibia: Okahandja: SMF: 1 [1 [1 - **1** - **1** - **1**]. - **1**].
7 January 1964: Congo: Dimonika: MNHN: 1 [1 - **1** - **1**].
21 January 1964: Congo: Dimonika: MNHN: 2 [2 - **2** - **2**].
1 February 1964: Gabon: Bélinga: MNHN: 3 [3 - **3** - **3**].
26 February 1964: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
1 March 1964: Gabon: Bélinga: MNHN: 2, ZMA: 1 [1 [2] - Grottes de Massa: MNHN: 1 [1 - **1** - **3**].
South Africa: Mtunzini: DNSM: 2 [2 - **2** - **1**]. - **5**].
2 March 1964: Seychelles: Unknown locality: SMF: 2 [2 - **2** - **2**].
7 March 1964: Zambia: Fort Jameson: NMZL: 1 [1 - **1** - **1**].
15 March 1964: Congo (Democratic Republic of the): Léopoldville: RBINS: 1 [1 - **1** - **1**].
19 March 1964: Egypt: Unknown locality: SMF: 1 [1 - **1** - **1**].
28 March 1964: Gabon: Bengoue: ZMA: 1 [1 - **1** - **1**].
31 March 1964: Tanzania: Northeastern Tanzania: ROM: 1 [1 - **1** - **1**].
8 April 1964: Kenya: Nairobi: ROM: 2 [2 - **2** - **2**].
14 May 1964: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 2 [2 - **2** - **2**].
15 May 1964: Tanzania: Uto farm: ZMZ: 1 [1 - **1** - **1**].

25 May 1964: Zambia: Kalabo: BRTC: 1 [1 - **1** - **1**].
28 May 1964: Côte d'Ivoire: Adiopodoumé: MNHN: 1 [1] - Lamto Ecology Station: ORSTOM: 2 [2 - **3** - **3**].
30 May 1964: "Africa": Bélinga or Lamto: MNHN: 1 [1 - **1**].
Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 7 [7 - **7** - **8**].
31 May 1964: Tanzania: Uto farm: ZMZ: 2 [2 - **2** - **2**].
3 June 1964: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 4 [4 - **4** - **4**].
5 June 1964: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 4 [4 - **4** - **4**].
6 June 1964: Tanzania: Uto farm: ZMZ: 1 [1 - **1** - **1**].
9 June 1964: Côte d'Ivoire: Lamto Ecology Station: MNHN: 1 [1 - **1** - **1**].
10 June 1964: South Africa: Spring Grove: NM: 1 [1 - **1** - **1**].
26 June 1964: Côte d'Ivoire: Lamto Ecology Station: MNHN: 1, ORSTOM: 5 [6 - **6** - **6**].
1 July 1964: Namibia: Farm Sissekab: SMF: 1 [1 - **1** - **1**].
3 July 1964: Zimbabwe: Sentinel Ranch: DNSM: 1 [1 - **1** - **1**].
7 July 1964: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 - **1** - **1**].
12 July 1964: Rwanda: Unknown locality: SMF: 2 [2 - **2** - **2**].
16 July 1964: Namibia: Unknown locality: SMF: 2 [2 - **2** - **2**].
17 July 1964: Uganda: Unknown locality: SMF: 1 [1 - **1** - **1**].
21 July 1964: Mozambique: Muchena: TM: 1 [1] - Tete, 2 mi E: TM: 4 [4] - Tete, 2 mi SE: TM: 8 [8 - **13** - **13**].
22 July 1964: Kenya: Kongelai: ROM: 1 [1 - **1** - **1**].
23 July 1964: Mozambique: Tete, 2 mi E: TM: 19 [19] - Tete, 2 mi SE: TM: 7 [7 - **26** - **26**].
24 July 1964: Mozambique: Muchena: TM: 2 [2] - Tete, 2 mi E: TM: 1 [1 - **3**].
Zimbabwe: Gokwe: DNSM: 2 [2 - **2** - **5**].
25 July 1964: Mozambique: Muchena: TM: 1 [1 - **1** - **1**].
28 July 1964: Mozambique: Muchena: TM: 12 [12 - **12** - **12**].
29 July 1964: Mozambique: Muchena: TM: 13 [13 - **13** - **13**].
1 August 1964: Namibia: Unknown locality: SMF: 1 [1 - **1** - **1**].
9 August 1964: Mozambique: Vila Gamito: TM: 14 [14 - **14** - **14**].
18 August 1964: Tanzania: Kidugallo: SMF: 1 [1 - **1** - **1**].
22 August 1964: Mozambique: Mague: TM: 1 [1 - **1** - **1**].
7 September 1964: Uganda: Baherere: SMF: 1 [1 - **1** - **1**].
22 September 1964: South Africa: Spring Grove: NM: 1 [1 - **1** - **1**].
6 October 1964: South Africa: Spring Grove: NM: 1 [1 - **1** - **1**].
18 October 1964: Kenya: Unknown locality: BMNH: 2 [2 - **2** - **2**].
23 October 1964: Namibia: Epupa Falls: TM: 2 [2 - **2** - **2**].
24 October 1964: Kenya: Kakamega: CUMV: 3 [3 - **3** - **3**].
25 October 1964: Uganda: Kampala: CUMV: 4 [4 - **4** - **4**].
24 November 1964: Sudan: Suakin: SMF: 30 [30 - **30** - **30**].
28 November 1964: Sudan: Khartoum: SMF: 5 [5 - **5** - **5**].
29 November 1964: Sudan: Khartoum: SMF: 9 [9 - **9** - **9**].
1 December 1964: Uganda: Kampala: SMF: 1 [1 - **1** - **1**].
3 December 1964: Sudan: Khartoum: SMF: 7 [7 - **7** - **7**].
8 December 1964: Zambia: Fort Jameson: NMZL: 1 [1 - **1** - **1**].
31 December 1964: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
6 January 1965: Sudan: Jebel Talao: SMF: 18 [18 - **18** - **18**].
14 January 1965: Sudan: Kadugli: SMF: 3 [3 - **3** - **3**].
17 January 1965: Sudan: Tadoro: SMF: 1 [1 - **1** - **1**].
20 January 1965: Kenya: Mombasa: SMF: 350 [350 - **350** - **350**].
23 January 1965: Sudan: Khor Umm Adara: SMF: 1 [1 - **1** - **1**].
25 January 1965: Sudan: Jebel Toro: SMF: 3 [3 - **3** - **3**].
1 February 1965: Gabon: Bélinga: MNHN: 3 [3 - **3** - **3**].
3 February 1965: Sudan: Tadoro: SMF: 1 [1 - **1** - **1**].
5 February 1965: Tanzania: Moshi: SMF: 9 [9 - **9** - **9**].
6 February 1965: Sudan: Tadoro: SMF: 1 [1 - **1** - **1**].
12 February 1965: Sudan: Tossari: SMF: 2 [2 - **2** - **2**].
17 February 1965: Sudan: Tossari: SMF: 6 [6 - **6** - **6**].
25 February 1965: Sudan: Tadoro: SMF: 2 [2 - **2** - **2**].
2 March 1965: Sudan: Tadoro: SMF: 1 [1 - **1** - **1**].
8 March 1965: Sudan: Rheika: SMF: 6 [6 - **6** - **6**].
11 March 1965: Sudan: Rheika: SMF: 1 [1 [1 - **1** - **1** - **1**]. - **1**].
24 March 1965: Sudan: Rheika: SMF: 5 [5 - **5** - **5**].
26 March 1965: Sudan: Tadoro: SMF: 1 [1 - **1** - **1**].
28 March 1965: Sudan: Unknown locality: SMF: 1 [1 - **1** - **1**].
30 March 1965: Sudan: Jebel Digodo: SMF: 16 [16] - Tadoro: SMF: 1 [1 - **17** - **17**].
8 April 1965: Sudan: Semeih: SMF: 2 [2 [1 - **2** - **1** - **2**]. - **1**].
9 April 1965: Botswana: Drotsky's [= Drodsky] Caves: TM: 1 [1] - Kaikai, 20 mi SE: TM: 5 [5 - **6**].
Sudan: Semeih: SMF: 1 [1 - **1** - **6**]. - **1**].
13 April 1965: South Africa: Bloemfontein: NMB: 1 [1 - **1** - **1**].
19 April 1965: Kenya: Unknown locality: SMF: 2 [2] - Coast [former] province: SMF: 1 [1 - **3** - **3**].
22 April 1965: Kenya: Central [former] province: SMF: 1 [1 - **1** - **1**].
23 April 1965: Sudan: Suakin: SMF: 4 [4 - **4** - **4**].
30 April 1965: South Africa: Twee Rivieren: TM: 1 [1 - **1** - **1**].
1 May 1965: South Africa: Mtunzini: DNSM: 1 [1 - **1** - **1**].
23 May 1965: Kenya: Tororo: ROM: 3 [3 - **3** - **3**].
3 June 1965: Kenya: Coast [former] province: SMF: 1 [1 - **1** - **1**].
5 June 1965: South Africa: Port Elisabeth: HZM: 1 [1 - **1** - **1**].
10 June 1965: Kenya: Naivasha, 2 mi [= 3.2 km] SE: FMNH: 2 [2 - **2** - **2**].

20 June 1965: Kenya: Kiboko, 3 mi [= 4.8 km] W: FMNH: 1 [1 - **1** - **1**].
12 July 1965: Cameroon: Bota: BRTC: 1 [1 - **1** - **1**].
16 July 1965: Tanzania: Amani: TM: 2 [2 - **2** - **2**].
29 July 1965: Kenya: Rift Valley [former] province: SMF: 1 [1] - Sigor, 2 mi [=3.2 km] S: WNMU: 1 [1 - **2** - **2**].
2 August 1965: Kenya: Kitale: WAM: 1 [1 - **1** - **1**].
24 August 1965: Zimbabwe: Haroni-Lusitu confluence: NHMZ: 1 [1 - **1** - **1**].
31 August 1965: Kenya: Rift Valley [former] province: SMF: 2 [2 - **2** - **2**].
9 September 1965: Botswana: Francistown: USNM: 1 [1 - **1** - **1**].
10 September 1965: Botswana: Francistown: ROM: 1 [1 - **1** - **1**].
11 September 1965: Botswana: Francistown: ROM: 1 [1 - **1** - **1**].
23 September 1965: Egypt: Hurghada, 20 km S: SMF: 1 [1 - **1** - **1**].
1 October 1965: South Africa: Durban: DNSM: 1 [1] - Mount Edgecombe: DNSM: 1 [1 - **2** - **2**].
4 October 1965: South Africa: Fountains: USNM: 1 [1 - **1** - **1**].
17 October 1965: Mozambique: Zinave: MWSU: 1 [1 - **1** - **1**].
7 November 1965: Congo: Brazzaville: MNHN: 1 [1 - **1** - **1**].
21 November 1965: Sudan: Port Sudan: SMF: 1 [1 - **1** - **1**].
30 November 1965: Liberia: East Grassfield: MNHN: 1 [1 - **1** - **1**].
2 December 1965: Gabon: Makokou: MNHN: 1 [1 - **1** - **1**].
5 December 1965: Gabon: Makokou: MNHN: 1 [1 - **1** - **1**].
6 December 1965: Botswana: Chobe NP, Kasane: USNM: 1 [1 - **1** - **1**].
11 December 1965: Botswana: Chobe NP, Kasane: USNM: 3 [3 - **3** - **3**].
13 December 1965: Kenya: Swan river: ROM: 1 [1 - **1** - **1**].
16 December 1965: "Africa": Unknown locality: ZMA: 1 [1 - **1** - **1**].
17 December 1965: Kenya: Sigor: ROM: 1 [1 - **1** - **1**].
22 December 1965: South Africa: Brooklyn: TM: 1 [1 - **1** - **1**].
1 January 1966: Liberia: East Grassfield: MNHN: 4 [4 - **4** - **4**].
3 January 1966: Namibia: Unknown locality: SMF: 1 [1 - **1** - **1**].
7 January 1966: Rwanda: Musanse: RBINS: 6 [6 - **6** - **6**].
15 January 1966: Tanzania: Mtwara region: SMF: 1 [1 - **1** - **1**].
1 February 1966: Kenya: Wei Wei River: ROM: 1 [1 - **1** - **1**].
5 February 1966: Uganda: Soroti: ROM: 7 [7 - **7** - **7**].
6 February 1966: Rwanda: Nyanza: RBINS: 1 [1 - **1** - **1**].
13 February 1966: Rwanda: Gihinda: RBINS: 3 [3] - Nyumba cave: RBINS: 1 [1 - **4** - **4**].
14 February 1966: Tanzania: Mikindani: SMF: 4 [4] - Mtwara region: SMF: 1 [1] - Tanzania: SMF: 1 [1 - **4** - **2** - **4**]. - **2**].
18 February 1966: Rwanda: Gahinga: RBINS: 6 [6 - **6** - **6**].
23 February 1966: Congo (Democratic Republic of the): Jadotville: RBINS: 10 [10 - **10** - **10**].
24 February 1966: Liberia: Basse-Iti: RBINS: 1 [1 - **1**].
Rwanda: Astrida: RBINS: 7 [7 - **7** - **1**]. - **7**].
26 February 1966: Rwanda: Astrida: RBINS: 21 [21 - **21** - **21**].
28 February 1966: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: BRTC: 1 [1 - **1** - **1**].
3 March 1966: Rwanda: Gihinda: RBINS: 4 [4 - **4** - **4**].
12 March 1966: Liberia: Mount Nimba West: RBINS: 1 [1 - **1** - **1**].
25 March 1966: Congo (Democratic Republic of the): Elisabethville: RBINS: 40 [40 - **40** - **40**].
1 April 1966: Mozambique: Chimonzo: DNSM: 2 [2 - **2** - **2**].
8 April 1966: Rwanda: Nyamasheke: RBINS: 1 [1 - **1** - **1**].
23 April 1966: Cameroon: Bota: BRTC: 1 [1 - **1** - **1**].
1 May 1966: Central African Republic: La Maboké: MNHN: 4 [4 - **4**].
Mozambique: Panda: DNSM: 2 [2 - **2** - **6**].
9 May 1966: Liberia: East Grassfield: MNHN: 1 [1 - **1** - **1**].
13 May 1966: Central African Republic: La Maboké: MNHN: 1 [1 - **1** - **1**].
14 May 1966: Central African Republic: La Maboké: MNHN: 1 [1 - **1** - **1**].
15 May 1966: Central African Republic: La Maboké: MNHN: 1 [1 - **1** - **1**].
26 May 1966: Central African Republic: La Maboké: MNHN: 1 [1 - **1** - **1**].
27 May 1966: Central African Republic: La Maboké: MNHN: 1 [1 - **1** - **1**].
1 June 1966: Mozambique: Mapinhane: DNSM: 1 [1 - **1** - **1**].
7 June 1966: Rwanda: Ruhengeri: RBINS: 2 [2 - **2** - **2**].
10 June 1966: Rwanda: Musanse: RBINS: 3 [3 - **3** - **3**].
20 June 1966: Cameroon: Mukonje: BRTC: 2 [2 - **2** - **2**].
1 July 1966: Central African Republic: La Maboké: MNHN: 1 [1 - **1** - **1**].
5 July 1966: Tanzania: Amboni cave: NMK: 6 [6 - **6** - **6**].
2 August 1966: Central African Republic: La Maboké: MNHN: 2 [2 - **2** - **2**].
3 August 1966: Central African Republic: La Maboké: MNHN: 2 [2 - **2** - **2**].
1 September 1966: Central African Republic: La Maboké: MNHN: 1 [1 - **1**].
South Africa: Twin Streams: DNSM: 1 [1 - **1** - **2**].
12 September 1966: Central African Republic: Bébé cave: MNHN: 1 [1 - **1** - **1**].
13 September 1966: Kenya: Sarmai: ROM: 1 [1 - **1** - **1**].
14 September 1966: Kenya: Turkwell river: ROM: 1 [1 - **1** - **1**].
26 September 1966: Côte d'Ivoire: Nimba, mount: MNHN: 1 [1 - **1** - **1**].
28 September 1966: Côte d'Ivoire: Nimba, mount: MNHN: 1 [1 - **1**].
Liberia: East Grassfield: MNHN: 2 [2 - **2** - **3**].
1 October 1966: South Africa: Hartswater: ROM: 1 [1 - **1** - **1**].
4 October 1966: Namibia: Otjimbingwe: TM: 1 [1 - **1** - **1**].
7 October 1966: Namibia: Otjimbingwe: TM: 6 [6 - **6** - **6**].
18 October 1966: Congo (Democratic Republic of the): Elisabethville: RBINS: 1 [1] - Tschuapa: RBINS: 1 [1 - **2** - **2**].
20 October 1966: Kenya: Rift Valley [former] province: SMF: 1 [1 - **1** - **1**].

23 October 1966: Namibia: Epupa Falls: TM: 2 [2 - **2** - **2**].
24 October 1966: Liberia: Grassfield savanna: MNHN: 1 [1 - **1** - **1**].
26 October 1966: Zimbabwe: Kambuzuma Township: MNHN: 1 [1 - **1** - **1**].
1 December 1966: Rwanda: Kimuna: RBINS: 1 [1 - **1** - **1**].
3 December 1966: Uganda: Kibale Forest: LACM: 1 [1 - **1** - **1**].
7 December 1966: Rwanda: Nyumba cave: RBINS: 2 [2 - **2** - **2**].
13 December 1966: Côte d'Ivoire: Nimba, mount: MNHN: 1 [1 - **1**].
Liberia: Grassfield forest: MNHN: 1 [1 - **1** - **2**].
14 December 1966: Côte d'Ivoire: Nimba, mount: MNHN: 1 [1 - **1** - **1**].
22 December 1966: Côte d'Ivoire: Adiopodoumé: ORSTOM: 2 [2 - **2** - **2**].
27 December 1966: Liberia: East Grassfield: MNHN: 2 [2 - **2** - **2**].
7 January 1967: South Africa: Durban: DNSM: 2 [2 - **2** - **2**].
14 January 1967: South Africa: Farm Makapansgat: TM: 1 [1 - **1** - **1**].
20 January 1967: Botswana: Unknown locality: ISU: 1 [1 - **1** - **1**].
30 January 1967: Liberia: East Grassfield: MNHN: 7 [7 - **7** - **7**].
6 February 1967: Kenya: Governor's Camp: SMF: 3 [3] - Mara River: SMF: 1 [1 - **1** - **3** - **1**]. - **3**].
8 February 1967: Liberia: East Grassfield: MNHN: 3 [3 - **3** - **3**].
19 February 1967: Rwanda: Kigali: RBINS: 23 [23 - **23** - **23**].
22 February 1967: "Africa": Unknown locality: AMS: 1 [1 - **1** - **1**].
1 March 1967: Congo (Democratic Republic of the): Elisabethville: RBINS: 1 [1 - **1** - **1**].
14 March 1967: Zambia: Ngwerere Siding: UZMZ: 6 [6 - **6** - **6**].
15 March 1967: South Africa: Brooklyn: TM: 1 [1 - **1** - **1**].
16 March 1967: South Africa: Warmbad, 2 mi E: ROM: 1 [1 - **1** - **1**].
18 March 1967: Botswana: Unknown locality: ISU: 1 [1 - **1** - **1**].
19 March 1967: South Africa: Warmbad, 2 mi E: ROM: 1 [1 - **1** - **1**].
11 April 1967: South Africa: Newington, 7 mi N: TM: 6 [6 - **6** - **6**].
15 April 1967: South Africa: Warmbad, 2 mi E: ROM: 1 [1 - **1** - **1**].
18 April 1967: South Africa: Warmbad, 2 mi E: ROM: 1 [1 - **1** - **1**].
25 April 1967: Madagascar: Perinet Railway Station [=Périnet]: BRTC: 1 [1 - **1** - **1**].
26 April 1967: Madagascar: Junck: BRTC: 1 [1 - **1** - **1**].
5 May 1967: South Africa: Warmbad, 2 mi E: ROM: 1 [1 - **1** - **1**].
9 May 1967: Madagascar: in a marine cave between Sarodrano and Saint-Augustin: ROM: 1 [1 - **1** - **1**].
26 May 1967: Zimbabwe: Highlands: MNHN: 1 [1 - **1** - **1**].
26 June 1967: Botswana: Seruli: USNM: 2 [2 - **2** - **2**].
1 July 1967: Congo (Democratic Republic of the): Kapasa: RBINS: 1 [1 - **1** - **1**].
4 July 1967: South Africa: Newington, 7 mi N: TM: 1 [1 - **1** - **1**].
17 July 1967: Uganda: Ntandi: LACM: 2 [2 - **2** - **2**].
27 July 1967: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
3 August 1967: Kenya: Unknown locality: WAM: 1 [1 - **1** - **1**].
14 August 1967: Kenya: Sokoke Forest: ROM: 4 [4 - **4** - **4**].
25 August 1967: Kenya: Rift Valley [former] province: SMF: 1 [1 - **1** - **1**].
27 August 1967: Kenya: Rift Valley [former] province: SMF: 2 [2 - **2** - **2**].
30 August 1967: Zambia: Nampongwe: UZMZ: 1 [1 - **1** - **1**].
31 August 1967: Zambia: Nampongwe: UZMZ: 1 [1 - **1** - **1**].
6 September 1967: Zambia: Naleza: UZMZ: 2 [2 - **2** - **2**].
9 September 1967: Zambia: Naleza: UZMZ: 2 [2 - **2** - **2**].
19 September 1967: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
20 September 1967: Botswana: Maun: ROM: 3 [3 - **3** - **3**].
24 September 1967: Zambia: Chipongwe Cave: UZMZ: 1 [1 - **1** - **1**].
25 September 1967: Botswana: Maun: ROM: 2 [2 - **2** - **2**].
6 October 1967: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
7 October 1967: Côte d'Ivoire: Lamto Ecology Station: MNHN: 1 [1 - **1**].
Zambia: Naleza: UZMZ: 3 [3 - **3** - **4**].
14 October 1967: Zambia: Chipongwe Cave: BMNH: 2, UZMZ: 2 [4 - **4** - **4**].
23 October 1967: Zambia: Lusaka, 20 mi SW: BMNH: 2, UZMZ: 3 [5 - **5** - **5**].
10 November 1967: South Africa: Masimba Camp: DNSM: 1 [1 - **1** - **1**].
24 November 1967: South Africa: Kamfersboom: BRTC: 1 [1 - **1** - **1**].
30 November 1967: Botswana: Maun: ROM: 6 [6 - **6** - **6**].
1 December 1967: Botswana: Maun: ROM: 1 [1 - **1**].
Côte d'Ivoire: Lamto Ecology Station: MNHN: 1 [1 - **1** - **2**].
3 December 1967: Botswana: Maun: ROM: 2 [2 - **2** - **2**].
5 December 1967: Ghana: Achimota: ROM: 1 [1 - **1** - **1**].
6 December 1967: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
11 December 1967: South Africa: American cave: BRTC: 1 [1] - Rackpoort-guano cave: BRTC: 1 [1] - Rockport-guano cave: BRTC: 2 [2] - Rockport-guano cave: BRTC: 1 [1 - **5** - **5**].
13 December 1967: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
21 December 1967: Zambia: Naleza: BMNH: 3, UZMZ: 1 [4 - **4** - **4**].
10 January 1968: Ghana: Prestea, 32 mi [=51.5 km] W: USNM: 1 [1 - **1**].
Zambia: Ngwerere Siding: BMNH: 1, UZMZ: 7 [8 - **8** - **9**].
31 January 1968: "Africa": Settlement: BMNH: 3 [3 - **3** - **3**].
10 February 1968: Cameroon: Yaoundé: MNHN: 1 [1 - **1** - **1**].
14 March 1968: Zambia: Ngwerere Siding: BMNH: 1, UZMZ: 8 [9 - **9** - **9**].
16 March 1968: Tanzania: Manyara, Lake: BMNH: 1 [1 - **1** - **1**].
21 March 1968: Zambia: Naleza: UZMZ: 1 [1 - **1** - **1**].
22 March 1968: Zambia: Naleza: UZMZ: 4 [4 - **4** - **4**].
23 March 1968: South Africa: Mansiya Valley: DNSM: 1 [1 - **1** - **1**].

25 March 1968: Kenya: Mtito Andei: ROM: 1 [1 - **1** - **1**].
28 March 1968: South Africa: eGodeni: DNSM: 1 [1] - Hluhluwe-Imfolozi Park, HQ: DNSM: 1 [1] - Mansia Valley: TM: 1 [1 - **3** - **3**].
31 March 1968: Zambia: Naleza: UZMZ: 2 [2 - **2** - **2**].
1 April 1968: Kenya: Shimoni cave: ROM: 3 [3 - **3** - **3**].
21 April 1968: Ethiopia: Koffolé: MNHN: 1 [1 - **1** - **1**].
25 April 1968: Congo (Democratic Republic of the): Elisabethville: RBINS: 1 [1 - **1** - **1**].
28 April 1968: Ethiopia: Abaya, W coast lake: MNHN: 2 [2 - **2** - **2**].
30 April 1968: Ethiopia: Abaya lake, W bank: MNHN: 1 [1] - Lake Abaya, West shore: MNHN: 1 [1 - **2** - **2**].
1 May 1968: Ethiopia: Abaya lake, W bank: MNHN: 3 [3 - **3** - **3**].
16 May 1968: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
18 May 1968: Côte d'Ivoire: Lamto Ecology Station: MNHN: 1 [1 - **1**].
Zambia: Naleza: UZMZ: 1 [1 - **1** - **2**].
20 May 1968: Côte d'Ivoire: Lamto Ecology Station: MNHN: 1 [1 - **1** - **1**].
31 May 1968: South Africa: Mansiya Valley: DNSM: 1 [1 - **1** - **1**].
1 June 1968: Ethiopia: Agaro, 30 km from: MNHN: 1 [1 - **1**].
Kenya: Central [former] province: SMF: 1 [1] - Othaya: SMF: 1 [1 - **1** - **1** - **1**]. - **2**].
3 June 1968: Zambia: Naleza: UZMZ: 1 [1 - **1** - **1**].
4 June 1968: Cameroon: Yaoundé: MNHN: 1 [1 - **1** - **1**].
12 June 1968: Rwanda: Mugusa, mount: RBINS: 3 [3 - **3** - **3**].
14 June 1968: Ethiopia: Agaro: MNHN: 1 [1] - Agaro, 10 km from: MNHN: 1 [1 - **2** - **2**].
15 June 1968: Uganda: Waisoke river: ROM: 3 [3 - **3** - **3**].
19 June 1968: Mozambique: Dondo: DNSM: 1 [1 - **1**].
Uganda: Budongo Forest: ROM: 2 [2] - Sonsor river: ROM: 5 [5 - **7** - **8**].
1 July 1968: Zimbabwe: Pungwe-Ruva confluence: NHMZ: 1 [1 - **1** - **1**].
2 July 1968: Mozambique: Inhaminga: DNSM: 1 [1 - **1** - **1**].
3 July 1968: Ethiopia: Abyssinia: BMNH: 1 [1 - **1** - **1**].
6 July 1968: Rwanda: Simbi cave: RBINS: 1 [1 - **1** - **1**].
11 July 1968: Zimbabwe: Pungwe-Ruva confluence: NHMZ: 3 [3 - **3** - **3**].
23 July 1968: South Africa: Hluhluwe-Imfolozi Park, HQ: DNSM: 1 [1 - **1** - **1**].
3 August 1968: Somalia: Giohar: MZUF: 1 [1 - **1** - **1**].
4 August 1968: Somalia: Giohar: MZUF: 1 [1 - **1** - **1**].
5 August 1968: Somalia: Giohar: MZUF: 1 [1 - **1** - **1**].
6 August 1968: Somalia: Giohar: MZUF: 2 [2 - **2** - **2**].
12 August 1968: Zambia: Samfya: BRTC: 1 [1 - **1** - **1**].
15 August 1968: Kenya: Takaungu: WAM: 1 [1 - **1** - **1**].
20 August 1968: Kenya: Kyamunyuu: LACM: 1 [1 - **1** - **1**].
3 September 1968: Botswana: Maun: ROM: 2 [2 - **2** - **2**].
7 September 1968: Somalia: Giohar: MZUF: 2 [2 - **2** - **2**].
12 September 1968: Kenya: Mbero Rock: LACM: 1 [1 - **1** - **1**].
13 September 1968: Kenya: Mbero Rock: LACM: 4 [4 - **4** - **4**].
14 September 1968: Kenya: Mbero Rock: LACM: 1 [1 - **1** - **1**].
15 September 1968: Kenya: Mbero Rock: LACM: 4 [4 - **4** - **4**].
12 October 1968: Morocco: Unknown locality: SMF: 10 [10 - **10** - **10**].
11 November 1968: Central African Republic: Bangui: MNHN: 1 [1 - **1** - **1**].
20 November 1968: Uganda: Ntandi, W: LACM: 1 [1 - **1** - **1**].
25 November 1968: South Africa: American cave: BRTC: 3 [3 - **3** - **3**].
28 November 1968: Zambia: Ngoma: NMZL: 1 [1 - **1** - **1**].
3 December 1968: South Africa: eGodeni: DNSM: 1 [1 - **1** - **1**].
17 December 1968: South Africa: eGodeni: TM: 1 [1 - **1** - **1**].
2 January 1969: Congo (Democratic Republic of the): Kasapa: RBINS: 1 [1 - **1** - **1**].
12 January 1969: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
14 January 1969: Congo (Democratic Republic of the): Kasapa: RBINS: 1 [1 - **1** - **1**].
9 February 1969: Kenya: Shimba Hills Nature Reserve: ROM: 1 [1 - **1** - **1**].
15 February 1969: South Africa: eGodeni: DNSM: 1 [1 - **1** - **1**].
18 February 1969: Côte d'Ivoire: Sassandra River: ORSTOM: 2 [2 - **2**].
Kenya: Shimba Hills Nature Reserve: ROM: 1 [1 - **1** - **3**].
19 February 1969: Kenya: Shimba Hills Nature Reserve: ROM: 1 [1 - **1** - **1**].
27 February 1969: Côte d'Ivoire: Niébé: ORSTOM: 1 [1 - **1** - **1**].
20 March 1969: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1] - Yama: USNM: 7 [7 - **7** - **1** - **7**]. - **1**].
26 March 1969: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
22 April 1969: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
1 May 1969: Niger: Zinder, near: MNHN: 1 [1 - **1** - **1**].
7 May 1969: Ethiopia: Abaya lake, W bank: MNHN: 1 [1 - **1** - **1**].
29 May 1969: South Africa: Northam: DNSM: 1 [1 - **1** - **1**].
1 June 1969: Burundi: Rwegura: MHNG: 1 [1 - **1**].
Congo: Sibiti cave: MNHN: 1 [1 - **1**].
Congo (Democratic Republic of the): Elisabethville: RBINS: 1 [1 - **1** - **3**].
16 June 1969: Rwanda: Cyangugu: SMF: 2 [2 - **2** - **2**].
12 July 1969: Ghana: Achimota: ROM: 1 [1 - **1** - **1**].
18 July 1969: Côte d'Ivoire: Fetekro: USNM: 28 [28 - **28** - **28**].
24 July 1969: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 August 1969: Côte d'Ivoire: Lamto Ecology Station: MNHN: 1 [1 - **1**].
Ghana: Northern region: SMF: 1 [1 - **1** - **2**].
3 August 1969: Kenya: Kyengole Rocks: LACM: 1 [1 - **1** - **1**].
12 August 1969: Kenya: Kyengole: LACM: 1 [1] - unspecified locality: LACM: 1 [1 - **2** - **2**].

19 August 1969: Kenya: Ngombeni: BMNH: 1 [1 - **1** - **1**].
20 August 1969: Somalia: Callis: MZUF: 3 [3 - **3** - **3**].
22 August 1969: Congo (Democratic Republic of the): Kasapa: RBINS: 1 [1 - **1** - **1**].
25 August 1969: Somalia: Giohar: MZUF: 1 [1 - **1** - **1**].
1 September 1969: Congo (Democratic Republic of the): Montembessa cave: MNHN: 1 [1 - **1** - **1**].
12 September 1969: Kenya: Unknown locality: QM: 1 [1 - **1** - **1**].
13 September 1969: Kenya: Mbero Rock: LACM: 4 [4 - **4** - **4**].
15 September 1969: Kenya: Mbero Rock: LACM: 2 [2 - **2** - **2**].
17 September 1969: Kenya: Unknown locality: QM: 1 [1 - **1** - **1**].
1 November 1969: Congo (Democratic Republic of the): Montembessa cave: MNHN: 2 [2 - **2** - **2**].
2 November 1969: Côte d'Ivoire: Adiopodoumé: ORSTOM: 2 [2 - **2** - **2**].
3 November 1969: Côte d'Ivoire: Adiopodoumé: ORSTOM: 2 [2 - **2** - **2**].
5 November 1969: Côte d'Ivoire: Adiopodoumé: ORSTOM: 1 [1 - **1** - **1**].
7 November 1969: Ethiopia: Unknown locality: SMF: 2 [2 - **2** - **2**].
8 November 1969: Kenya: Unknown locality: QM: 1 [1 - **1** - **1**].
10 November 1969: Uganda: Bwamba: AMS: 1 [1 - **1** - **1**].
15 November 1969: Congo: Mpoka to Méya: MNHN: 1 [1 - **1**].
Côte d'Ivoire: Lamto Ecology Station: MNHN: 3 [3 - **3** - **4**].
26 November 1969: Uganda: Moyo, 10 mi [=16 km] E: ROM: 2 [2 - **2** - **2**].
27 November 1969: Uganda: Moyo, 10 mi [=16 km] E: ROM: 1 [1 - **1** - **1**].
29 November 1969: Uganda: Gulu: ROM: 2 [2 - **2** - **2**].
2 December 1969: Botswana: Maun: ROM: 4 [4 - **4** - **4**].
5 December 1969: Ghana: Achimota: ROM: 1 [1 - **1** - **1**].
21 December 1969: Kenya: Coast [former] province: SMF: 1 [1 - **1** - **1**].
29 December 1969: Ethiopia: Gambela: SMF: 2 [2 [1 - **2** - **1** - **2**]. - **1**].
1 January 1970: "Africa": Unknown locality: CUMV: 1 [1 - **1**].
Equatorial Guinea: Bata: SMF: 6 [6 - **6** - **6**]. - **1**].
5 January 1970: Ghana: Achimota: ROM: 1 [1 - **1** - **1**].
6 January 1970: Ghana: Achimota: ROM: 3 [3 - **3** - **3**].
17 January 1970: Kenya: Unknown locality: QM: 1 [1 - **1** - **1**].
29 January 1970: South Africa: Augrabies Waterfall Natational Park: TM: 2 [2 - **2** - **2**].
5 February 1970: Cameroon: Banyo, 30 km ESE: BRTC: 2 [2 - **2** - **2**].
8 February 1970: Ethiopia: Gambela Hizboch region [=Gambela region]: SMF: 1 [1 - **1** - **1**].
10 February 1970: Ethiopia: Gambela: SMF: 1 [1 - **1** - **1**].
27 February 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 - **1** - **1**].
3 March 1970: Kenya: Eastern [former] province: SMF: 8 [8 - **8** - **8**].
4 March 1970: Kenya: Eastern [former] province: SMF: 123 [123 - **123** - **123**].
13 March 1970: Egypt: Ikingi Mariut: USNM: 2 [2 - **2** - **2**].
14 March 1970: Ethiopia: Didessa River: SMF: 2 [2 - **2** - **2**].
26 March 1970: Côte d'Ivoire: Adiopodoumé: ORSTOM: 1 [1 - **1** - **1**].
11 April 1970: Kenya: Unknown locality: SMF: 10 [10] - Aruba Lodge: SMF: 2 [2 - **12** - **12**].
15 April 1970: South Africa: Ndumu Game Reserve: TM: 3 [3 - **3** - **3**].
23 April 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 4 [4 - **4** - **4**].
24 April 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 4 [4 - **4** - **4**].
25 April 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 7 [7 - **7** - **7**].
27 April 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 4 [4 - **4** - **4**].
2 May 1970: Kenya: Rift Valley [former] province: SMF: 5 [5 - **5** - **5**].
11 May 1970: Côte d'Ivoire: Adiopodoumé: ORSTOM: 1 [1 - **1** - **1**].
14 May 1970: Kenya: Rift Valley [former] province: SMF: 3 [3 - **3** - **3**].
15 May 1970: Côte d'Ivoire: Adiopodoumé: ORSTOM: 8 [8 - **8** - **8**].
20 May 1970: Kenya: Rift Valley [former] province: SMF: 19 [19 - **19** - **19**].
25 May 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 2 [2 - **2** - **2**].
27 May 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 - **1**].
Kenya: Eastern [former] province: SMF: 8 [8 - **8** - **9**].
28 May 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 - **1** - **1**].
1 June 1970: South Africa: Petrusburg: NMB: 1 [1 - **1** - **1**].
19 June 1970: Côte d'Ivoire: Unknown locality: QM: 1 [1 - **1** - **1**].
24 June 1970: Kenya: Rift Valley [former] province: SMF: 4 [4 - **4** - **4**].
26 June 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 - **1** - **1**].
27 June 1970: Ethiopia: Unknown locality: SMF: 2 [2 - **2** - **2**].
28 June 1970: Kenya: Eastern [former] province: SMF: 5 [5 - **5** - **5**].
30 June 1970: Uganda: Masindi district: SMF: 1 [1 - **1** - **1**].
1 July 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 10 [10 - **10** - **10**].
2 July 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 3 [3 - **3** - **3**].
4 July 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 2 [2 - **2** - **2**].
5 July 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 2 [2 - **2** - **2**].
9 July 1970: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
20 July 1970: South Africa: eGodeni: DNSM: 2 [2 - **2** - **2**].
21 July 1970: Kenya: Galana Ranch: BRTC: 1 [1 - **1** - **1**].
30 July 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 7 [7 - **7** - **7**].
31 July 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 5 [5 - **5** - **5**].
1 August 1970: Chad: Logone Occidental region: SMF: 2 [2 - **2**].
Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 4 [4 - **4** - **6**].
2 August 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 - **1**].
Tunisia: Unknown locality: SMF: 6 [6 - **6** - **7**].
10 August 1970: Congo: Brazzaville: MNHN: 1 [1 - **1** - **1**].

11 August 1970: Côte d'Ivoire: Adiopodoumé: ORSTOM: 1 [1 - **1** - **1**].
16 August 1970: Somalia: Ola Uager: MZUF: 1 [1 - **1** - **1**].
19 August 1970: Chad: Logone Occidental region: SMF: 1 [1 - **1** - **1**].
21 August 1970: Chad: Logone Occidental region: SMF: 2 [2 - **2** - **2**].
27 August 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 2 [2 - **2** - **2**].
8 September 1970: Kenya: Nairobi: BRTC: 1 [1 - **1** - **1**].
19 September 1970: Kenya: Coast [former] province: SMF: 8 [8] - Kisiaunet: NMK: 1 [1 - **1** - **8** - **1**]. - **8**].
25 September 1970: South Africa: Pongola, 9 Jan Kemlaan: TM: 4 [4 - **4** - **4**].
28 September 1970: Kenya: Eastern [former] province: SMF: 4 [4 - **4** - **4**].
2 October 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 [1 - **1** - **1**].
Sudan: Khartoum: IVB: 1 [1 - **1** - **1**]. - **2**].
3 October 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 2 [2 - **2** - **2**].
6 October 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 - **1** - **1**].
14 October 1970: Kenya: Rift Valley [former] province: SMF: 4 [4 - **4** - **4**].
19 October 1970: Kenya: Coast [former] province: SMF: 8 [8] - Eastern [former] province: SMF: 4 [4 - **12** - **12**].
20 October 1970: Côte d'Ivoire: Adiopodoumé: MNHN: 1 [1 - **1** - **1**].
27 October 1970: Côte d'Ivoire: Adiopodoumé: ORSTOM: 1 [1 - **1** - **1**].
28 October 1970: Côte d'Ivoire: Adiopodoumé: MNHN: 1, ORSTOM: 4 [5 - **5** - **5**].
30 October 1970: Côte d'Ivoire: Adiopodoumé: ORSTOM: 1 [1 - **1** - **1**].
3 November 1970: Côte d'Ivoire: Adiopodoumé: ORSTOM: 1 [1 - **1** - **1**].
5 November 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 - **1** - **1**].
7 November 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 - **1** - **1**].
8 November 1970: Côte d'Ivoire: Bouaké: ORSTOM: 1 [1 - **1** - **1**].
9 November 1970: Côte d'Ivoire: Unknown locality: SMF: 1 [1] - Lamto Ecology Station: ORSTOM: 2 [2 - **3** - **3**].
14 November 1970: Côte d'Ivoire: Adiopodoumé: ORSTOM: 7 [7 - **7** - **7**].
16 November 1970: Côte d'Ivoire: Unknown locality: SMF: 1 [1] - Adiopodoumé: ORSTOM: 7 [7 - **8**].
Kenya: Nairobi Area: SMF: 1 [1 - **1** - **9**].
19 November 1970: Kenya: Unknown locality: QM: 1 [1] - Eastern [former] province: SMF: 9 [9 - **10** - **10**].
20 November 1970: Kenya: Rift Valley [former] province: SMF: 7 [7 - **7** - **7**].
22 November 1970: Kenya: Rift Valley [former] province: SMF: 4 [4 - **4** - **4**].
23 November 1970: Kenya: Nairobi Area: SMF: 1 [1] - Ndiani, coast: BMNH: 1 [1 - **2** - **2**].
25 November 1970: Côte d'Ivoire: Guéboua: ORSTOM: 1 [1 - **1** - **1**].
28 November 1970: Kenya: Unknown locality: QM: 1 [1 - **1** - **1**].
29 November 1970: Kenya: Unknown locality: QM: 1 [1 - **1** - **1**].
1 December 1970: Kenya: Western [former] province: SMF: 2 [2 - **2** - **2**].
4 December 1970: Zambia: Livingstone: NMZL: 1 [1 - **1** - **1**].
6 December 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 2 [2 - **2** - **2**].
10 December 1970: Côte d'Ivoire: Lamto Ecology Station: ORSTOM: 1 [1 - **1** - **1**].
13 December 1970: Kenya: Western [former] province: SMF: 5 [5 - **5** - **5**].
14 December 1970: Zimbabwe: Irene Farm: ZMA: 2 [2 - **2** - **2**].
16 December 1970: Kenya: Western [former] province: SMF: 7 [7 - **7** - **7**].
18 December 1970: Zambia: Muckle Neuk: NMZL: 1 [1 - **1** - **1**].
22 December 1970: Kenya: Rift Valley [former] province: SMF: 7 [7 - **7** - **7**].
23 December 1970: Kenya: Eastern [former] province: SMF: 6 [6 - **6** - **6**].
28 December 1970: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
29 December 1970: Kenya: Makindu: ROM: 2 [2 - **2** - **2**].
1 January 1971: Kenya: Eastern [former] province: SMF: 1 [1 - **1**].
Tanzania: Kigoma region: SMF: 1 [1 - **1** - **2**].
2 January 1971: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
3 January 1971: South Africa: Waterberg, Farm Driefontein: TM: 1 [1 - **1** - **1**].
5 January 1971: Kenya: Rift Valley [former] province: SMF: 1 [1 - **1** - **1**].
6 January 1971: South Africa: Valhalla: TM: 1 [1 - **1**].
Zambia: Lochinvar: NMZL: 1 [1 - **1** - **1**]. - **1**].
9 January 1971: Kenya: Eastern [former] province: SMF: 1 [1] - Rift Valley [former] province: SMF: 7 [7 - **8** - **8**].
10 January 1971: Kenya: Eastern [former] province: SMF: 12 [12 - **12** - **12**].
15 January 1971: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
24 January 1971: Kenya: Kakamega forest: ROM: 2 [2 - **2** - **2**].
5 February 1971: Tanzania: Kisarawe, near: BMNH: 1 [1 - **1** - **1**].
17 February 1971: Ethiopia: Ghinir, 7 km from: MNHN: 6 [6 - **6** - **6**].
20 February 1971: Kenya: Rift Valley [former] province: SMF: 6 [6 - **6** - **6**].
21 February 1971: Kenya: Eastern [former] province: SMF: 3 [3 - **3** - **3**].
22 February 1971: Uganda: Zika: AMS: 1 [1 - **1** - **1**].
24 February 1971: Kenya: Kitum cave: SMF: 4 [4 - **4** - **4**].
25 February 1971: Kenya: Rift Valley [former] province: SMF: 1 [1 - **1** - **1**].
27 February 1971: Côte d'Ivoire: Lamto Ecology Station: MNHN: 1 [1 - **1** - **1**].
1 March 1971: Ethiopia: Sof Omar cave: SMF: 2 [2 - **2** - **2**].
5 March 1971: Ethiopia: Oromiya state: SMF: 3 [3 - **3** - **3**].
6 March 1971: Uganda: Budongo: AMS: 1 [1 - **1** - **1**].
8 March 1971: Côte d'Ivoire: Adzopé: ORSTOM: 14 [14 - **14**].
Kenya: Saiwa river: ROM: 1 [1 - **1** - **15**].
11 March 1971: Kenya: Ortum: ROM: 1 [1 - **1** - **1**].
12 March 1971: Kenya: Western [former] province: SMF: 1 [1 - **1**].
Uganda: Budo: AMS: 1 [1 - **1** - **2**].
15 March 1971: Kenya: Eastern [former] province: SMF: 8 [8 - **8** - **8**].
16 March 1971: Kenya: Rift Valley [former] province: SMF: 1 [1 - **1** - **1**].
17 March 1971: Zimbabwe: Zimbabwe mine: DNSM: 1 [1 - **1** - **1**].

18 March 1971: Kenya: Saiwa river: ROM: 1 [1 - **1** - **1**].
19 March 1971: Kenya: Saiwa river: ROM: 1 [1 - **1** - **1**].
20 March 1971: Kenya: Eastern [former] province: SMF: 1 [1 - **1** - **1**].
24 March 1971: Kenya: Kapsania: SMF: 1 [1 - **1** - **1**].
25 March 1971: Tunisia: Unknown locality: SMF: 2 [2] - Nabeul governorate: SMF: 3 [3 - **5** - **5**].
26 March 1971: Tanzania: Kisangwa: BRTC: 1 [1 - **1** - **1**].
1 April 1971: Egypt: Unknown locality: SMF: 1 [1 - **1** - **1**].
2 April 1971: Uganda: Bumbo: AMS: 1 [1 - **1** - **1**].
8 April 1971: Kenya: Eastern [former] province: SMF: 1 [1 - **1**].
Zambia: Livingstone: NMZL: 15 [15 - **15** - **1**]. - **15**].
17 April 1971: Ethiopia: Aware Melca: MZUF: 1 [1 - **1** - **1**].
19 April 1971: Kenya: Rift Valley [former] province: SMF: 2 [2 - **2** - **2**].
20 April 1971: Kenya: Eastern [former] province: SMF: 12 [12] - Rift Valley [former] province: SMF: 2 [2 - **14** - **14**].
12 May 1971: Uganda: Budo: AMS: 1 [1 - **1** - **1**].
14 May 1971: Kenya: Rift Valley [former] province: SMF: 2 [2 - **2** - **2**].
16 May 1971: Kenya: Coast [former] province: SMF: 53 [53] - Shimoni cave: SMF: 3 [3 - **3** - **53** - **3**]. - **53**].
17 May 1971: Kenya: Western [former] province: SMF: 1 [1 - **1** - **1**].
1 June 1971: Tanzania: Kisarawe, near: TM: 1 [1 - **1** - **1**].
4 July 1971: Ethiopia: Unknown locality: SMF: 1 [1] - Oromiya state: SMF: 3 [3 - **4** - **4**].
6 July 1971: South Africa: Barberton: TM: 5 [5 - **5** - **5**].
10 July 1971: Kenya: Fort Hall: ROM: 1 [1 - **1** - **1**].
24 July 1971: Uganda: Budongo: AMS: 2 [2 - **2** - **2**].
26 July 1971: South Africa: Thabazimbi, 32 km W: TM: 1 [1 - **1** - **1**].
30 July 1971: South Africa: Barberton: TM: 15 [15 - **15** - **15**].
1 August 1971: Zambia: Ngwerere cave: AMS: 1 [1 - **1** - **1**].
8 August 1971: South Africa: Farm Buren: TM: 1 [1 - **1** - **1**].
13 August 1971: Tunisia: Unknown locality: SMF: 27 [27] - Nabeul governorate: SMF: 52 [52 - **79** - **79**].
28 August 1971: South Africa: Sterkfontein caves: TM: 6 [6 - **6** - **6**].
12 September 1971: South Africa: Farm Hekpoort: TM: 2 [2] - Witwatersberg, Farm Hekpoort: TM: 1 [1 - **3** - **3**].
30 September 1971: Niger: Tapoa: BRTC: 2 [2 - **2** - **2**].
1 October 1971: Ethiopia: Didessa settlement: MNHN: 4 [4 - **4** - **4**].
12 November 1971: Zambia: Mongu: NMZL: 1 [1 - **1** - **1**].
27 November 1971: Uganda: Budongo: AMS: 1 [1 - **1** - **1**].
6 December 1971: Zambia: Muckle Neuk: NMZL: 1 [1] - Munali: NMZL: 1 [1 - **2** - **2**].
26 December 1971: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 January 1972: Ethiopia: Gambela: SMF: 2 [2 - **2**].
Tanzania: Serengeti National Park: SMF: 2 [2 - **2** - **4**].
7 January 1972: Zambia: Kabulonga: NMZL: 1 [1 - **1** - **1**].
21 January 1972: Kenya: Ol' Donyo Sabuk [=Donyo Sabuk]: BRTC: 2 [2 - **2** - **2**].
24 January 1972: Kenya: Ol' Donyo Sabuk [=Donyo Sabuk]: BRTC: 3 [3 - **3** - **3**].
8 February 1972: Uganda: Budo: AMS: 1 [1 - **1** - **1**].
12 February 1972: Kenya: Ol' Donyo Sabuk [=Donyo Sabuk]: BRTC: 4 [4 - **4** - **4**].
14 February 1972: Kenya: Kajata area: BRTC: 2 [2 - **2** - **2**].
15 February 1972: Kenya: Kajata area: BRTC: 1 [1 - **1** - **1**].
18 February 1972: Niger: Tapoa, 29 km S: BRTC: 1 [1 - **1** - **1**].
19 February 1972: Niger: Tapoa, 29 km S: BRTC: 2 [2 - **2** - **2**].
20 February 1972: Côte d'Ivoire: l'Orumbo: ORSTOM: 2 [2] - Lamto: ZMA: 1 [1 - **1** - **2** - **1**]. - **2**].
23 February 1972: Niger: Tapoa, 29 km S: BRTC: 1 [1 - **1** - **1**].
24 February 1972: Tunisia: Nabeul governorate: SMF: 8 [8 - **8** - **8**].
2 March 1972: Niger: Tapoa, 29 km S: BRTC: 1 [1 - **1** - **1**].
8 March 1972: Niger: Tapoa, 21 km E: BRTC: 1 [1 - **1** - **1**].
9 March 1972: Niger: Talantégou: BRTC: 1 [1 - **1** - **1**].
15 March 1972: Niger: Tapoa: BRTC: 1 [1 - **1** - **1**].
20 March 1972: Niger: Tapoa: BRTC: 1 [1 - **1** - **1**].
21 March 1972: Tunisia: Gabès governorate: SMF: 208 [208 - **208** - **208**].
1 April 1972: Senegal: Djoudji Park: MNHN: 1 [1 - **1**].
Tunisia: Nabeul governorate: SMF: 36 [36 - **36** - **37**].
3 April 1972: Tanzania: Kisarawe, near: TM: 1 [1 - **1** - **1**].
4 April 1972: Tunisia: Unknown locality: SMF: 1 [1 - **1** - **1**].
14 April 1972: South Africa: Ledzee Estates: TM: 1 [1 - **1** - **1**].
18 April 1972: Côte d'Ivoire: Adiopodoumé: ORSTOM: 1 [1 - **1** - **1**].
19 April 1972: Côte d'Ivoire: Adiopodoumé: ORSTOM: 7 [7 - **7** - **7**].
30 April 1972: Liberia: Zigida Village: USNM: 25 [25 - **25** - **25**].
2 May 1972: Niger: Park West: BRTC: 1 [1 - **1**].
South Africa: Rustenburg: DNSM: 1 [1 - **1** - **2**].
7 May 1972: Kenya: Rift Valley [former] province: SMF: 2 [2 - **2** - **2**].
11 May 1972: Kenya: Rift Valley [former] province: SMF: 5 [5 - **5** - **5**].
12 May 1972: Niger: Tapoa, 12 km E: BRTC: 1 [1 - **1** - **1**].
22 May 1972: Kenya: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 July 1972: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 July 1972: Tanzania: Kisarawe, near: TM: 2 [2 - **2** - **2**].
6 August 1972: Ethiopia: Gambela: SMF: 1 [1 - **1** - **1**].
15 August 1972: Zimbabwe: Dett: NHMZ: 1 [1 - **1** - **1**].
29 August 1972: Tunisia: Unknown locality: SMF: 2 [2] - Nabeul governorate: SMF: 78 [78 - **80** - **80**].
6 September 1972: South Africa: Harrismith: NMB: 1 [1 - **1** - **1**].
26 September 1972: Côte d'Ivoire: Adiopodoumé: ORSTOM: 5 [5 - **5** - **5**].

28 September 1972: Côte d'Ivoire: Adiopodoumé: ORSTOM: 5 [5 - **5** - **5**].
1 October 1972: South Africa: Navors Suburb, Residence: TM: 1 [1 - **1** - **1**].
5 October 1972: Côte d'Ivoire: Adiopodoumé: ORSTOM: 2 [2 - **2** - **2**].
6 October 1972: Côte d'Ivoire: Adiopodoumé: ORSTOM: 3 [3 - **3** - **3**].
26 October 1972: Namibia: Unknown locality: QM: 1 [1 - **1** - **1**].
29 October 1972: Swaziland: Mbabane: TM: 1 [1 - **1** - **1**].
3 November 1972: Côte d'Ivoire: Adiopodoumé: ORSTOM: 2 [2 - **2** - **2**].
6 November 1972: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
13 November 1972: Zimbabwe: Wankie-NP, Inyantue: NHMZ: 1 [1 - **1** - **1**].
22 November 1972: Côte d'Ivoire: Ahiérémou: ORSTOM: 1 [1 - **1** - **1**].
23 November 1972: Côte d'Ivoire: Ahiérémou: ORSTOM: 4 [4 - **4** - **4**].
25 November 1972: Côte d'Ivoire: Ahiérémou: ORSTOM: 3 [3 - **3**].
Namibia: Unknown locality: QM: 1 [1 - **1** - **4**].
26 November 1972: South Africa: Bloemfontein: NMB: 1 [1 - **1** - **1**].
6 December 1972: "Africa": Settlement: BMNH: 1 [1 - **1** - **1**].
15 December 1972: Ethiopia: Gambela: CM: 1 [1 - **1** - **1**].
1 January 1973: Kenya: Endebess: ROM: 1 [1 - **1**].
Nigeria: Maiduguri: SMF: 2 [2 - **2** - **2**]. - **1**].
20 January 1973: Côte d'Ivoire: Matonguiné: ORSTOM: 1 [1 - **1**].
Ethiopia: Didessa river bridge: CM: 1 [1 - **1** - **2**].
21 January 1973: Côte d'Ivoire: Matonguiné: ORSTOM: 2 [2 - **2** - **2**].
28 January 1973: South Africa: Ventersburg: NMB: 1 [1 - **1** - **1**].
31 January 1973: Côte d'Ivoire: Bolo: ORSTOM: 3 [3 - **3** - **3**].
1 February 1973: Côte d'Ivoire: Bolo: ORSTOM: 1 [1 - **1** - **1**].
2 February 1973: Côte d'Ivoire: Bolo: ORSTOM: 1 [1 - **1** - **1**].
10 February 1973: South Africa: Bloemfontein: NMB: 3 [3 - **3** - **3**].
13 February 1973: South Africa: Farm Olifantspoort 328: TM: 1 [1 - **1** - **1**].
24 February 1973: South Africa: Village Kosmos: TM: 1 [1 - **1** - **1**].
5 March 1973: Cameroon: Yaoundé: MNHN: 1 [1 - **1**].
Zimbabwe: Salisburg: AMNH: 2 [2 - **2** - **2**]. - **1**].
6 March 1973: South Africa: Durban: DNSM: 1 [1] - Kimberley: DNSM: 1 [1 - **2** - **2**].
9 March 1973: South Africa: Mmabolela Estates: TM: 1 [1 - **1** - **1**].
28 March 1973: Mozambique: Zinave: AMNH: 1 [1 - **1** - **1**].
4 April 1973: South Africa: Ventersburg: NMB: 4 [4 - **4** - **4**].
5 April 1973: South Africa: Loskop Dam Nature Reserve: TM: 1 [1 - **1** - **1**].
6 April 1973: South Africa: Loskop Dam Nature Reserve: TM: 2 [2 - **2** - **2**].
10 April 1973: Kenya: Kampi ya Samaki: ROM: 3 [3 - **3** - **3**].
11 April 1973: Cameroon: Yaoundé: MNHN: 1 [1 - **1**].
Kenya: Kampi ya Samaki: ROM: 1 [1 - **1** - **2**].
12 April 1973: Kenya: Kampi ya Samaki: ROM: 1 [1 - **1** - **1**].
13 April 1973: South Africa: Mosdene Nature Reserve: TM: 1 [1 - **1** - **1**].
15 April 1973: Tunisia: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 April 1973: Chad: Dagbao: MNHN: 1 [1 - **1**].
Kenya: Nairobi: ROM: 2 [2 - **2** - **3**].
25 April 1973: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].
11 May 1973: Kenya: Maungu: ROM: 1 [1 - **1** - **1**].
18 May 1973: Cameroon: Buéa: ROM: 1 [1 - **1** - **1**].
31 May 1973: Kenya: Kiambu, 4 mi NW: ROM: 1 [1 - **1** - **1**].
26 July 1973: Mozambique: Zinave: AMNH: 6 [6 - **6** - **6**].
28 July 1973: Ethiopia: Unknown locality: SMF: 5 [5 - **5** - **5**].
30 July 1973: Ethiopia: Unknown locality: SMF: 3 [3 - **3** - **3**].
31 July 1973: Ethiopia: Unknown locality: SMF: 5 [5 - **5** - **5**].
4 August 1973: Ethiopia: Unknown locality: SMF: 2 [2] - Jimma: SMF: 1 [1 - **1** - **2** - **1**]. - **2**].
6 August 1973: Ethiopia: Unknown locality: SMF: 2 [2 - **2** - **2**].
7 August 1973: Ethiopia: Unknown locality: SMF: 71 [71] - Arba Minch: SMF: 1 [1 - **72**].
South Africa: Farm Scrutton 23MT: TM: 2 [2 - **2** - **74**].
9 August 1973: Ethiopia: Unknown locality: SMF: 5 [5 - **5** - **5**].
11 August 1973: South Africa: Farm Greefswald 37MS: TM: 1 [1 - **1** - **1**].
24 August 1973: Ethiopia: Unknown locality: SMF: 3 [3 - **3** - **3**].
28 August 1973: Kenya: Unknown locality: QM: 1 [1 - **1** - **1**].
29 August 1973: South Africa: Agriculture station: NMB: 1 [1 - **1** - **1**].
30 August 1973: Kenya: Unknown locality: QM: 1 [1 - **1** - **1**].
1 September 1973: South Africa: Addington: DNSM: 1 [1 - **1** - **1**].
2 September 1973: Ethiopia: Unknown locality: SMF: 7 [7 - **7** - **7**].
6 September 1973: South Africa: Farm Mooiplaas 94: TM: 1 [1 - **1** - **1**].
25 September 1973: Ethiopia: Unknown locality: SMF: 5 [5 - **5** - **5**].
8 October 1973: Ethiopia: Migiurtinia, Oasi di Galgalo: MZUF: 1 [1 - **1** - **1**].
14 October 1973: South Africa: Rissik Private Nature Reserve: TM: 1 [1 - **1** - **1**].
28 October 1973: Cameroon: Buéa: MNHN: 1 [1 - **1** - **1**].
1 November 1973: Mozambique: Zinave: AMNH: 1 [1 - **1** - **1**].
23 November 1973: Mozambique: Zinave, 5 km W: AMNH: 3 [3 - **3** - **3**].
24 November 1973: Mozambique: Zinave, 3 km SW: AMNH: 2 [2 - **2** - **2**].
27 November 1973: Mozambique: Zinave: AMNH: 1 [1 - **1** - **1**].
28 November 1973: Mozambique: Zinave: AMNH: 1 [1] - Zinave, 2 km SW: AMNH: 1 [1 - **2** - **2**].
2 December 1973: Mozambique: Zinave, 2 km S: AMNH: 1 [1 - **1** - **1**].
16 December 1973: South Africa: Farm Ferndale: TM: 3 [3 - **3** - **3**].

17 December 1973: Mozambique: Zinave: AMNH: 1 [1 - **1** - **1**].
18 December 1973: South Africa: Charter's Creek: TM: 1 [1 - **1** - **1**].
19 December 1973: Mozambique: Zinave: AMNH: 2 [2 - **2** - **2**].
20 December 1973: Kenya: Nyangala hill: ROM: 2 [2 - **2** - **2**].
29 December 1973: South Africa: Farm Ferndale: TM: 2 [2 - **2** - **2**].
30 December 1973: Kenya: Garsen, 8.5 km N: ROM: 3 [3 - **3** - **3**].
31 December 1973: Kenya: Garsen, 8.5 km N: ROM: 1 [1 - **1** - **1**].
1 January 1974: Kenya: Coast [former] province: SMF: 2 [2 - **2**].
Tunisia: Djebel Rassas: TTU: 1 [1 - **1** - **3**].
14 January 1974: South Africa: Farm Welgevonden 449: TM: 1 [1 - **1** - **1**].
17 January 1974: South Africa: Farm Nicorel 343: TM: 1 [1 - **1**].
Zimbabwe: Hostes Nicoll Research Institute: TTU: 1 [1 - **1** - **2**].
20 January 1974: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
12 February 1974: Mozambique: Estatuene: AMNH: 8 [8 - **8** - **8**].
7 March 1974: South Africa: Farm Mooigenoeg 83: TM: 2 [2 - **2** - **2**].
14 March 1974: Ethiopia: Unknown locality: SMF: 8 [8 - **8** - **8**].
19 March 1974: Zimbabwe: Mabalanta Camp: NHMZ: 1 [1 - **1** - **1**].
27 March 1974: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
28 March 1974: Ethiopia: Unknown locality: SMF: 14 [14 - **14** - **14**].
1 April 1974: Ethiopia: Unknown locality: SMF: 6 [6 - **6** - **6**].
7 April 1974: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
15 April 1974: Mozambique: Zinave: AMNH: 1 [1 - **1** - **1**].
24 April 1974: Mozambique: Zinave: AMNH: 1 [1 - **1** - **1**].
11 May 1974: Zimbabwe: Kutanga Hippo V. Estates: NHMZ: 2 [2 - **2** - **2**].
15 May 1974: Mozambique: Zinave: AMNH: 1 [1 - **1** - **1**].
16 May 1974: Zimbabwe: Kutanga Hippo V. Estates: NHMZ: 2 [2 - **2** - **2**].
17 May 1974: South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: TM: 1 [1 - **1** - **1**].
18 May 1974: South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: TM: 1 [1 - **1** - **1**].
22 May 1974: Zimbabwe: Triangle: NHMZ: 1 [1 - **1** - **1**].
9 June 1974: South Africa: Pietermaritzburg: TM: 2 [2 - **2** - **2**].
30 June 1974: South Africa: Blouberg Private Nature Reserve]: TM: 1 [1 - **1** - **1**].
1 July 1974: South Africa: Blouberg Private Nature Reserve]: TM: 1 [1 - **1** - **1**].
17 July 1974: South Africa: Tarkastad, 13 km S: TM: 19 [19 - **19** - **19**].
18 July 1974: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 July 1974: Ethiopia: Unknown locality: SMF: 1 [1] - Chano: SMF: 1 [1 - **1** - **1** - **1**]. - **1**].
23 August 1974: Ethiopia: Unknown locality: SMF: 15 [15 - **15** - **15**].
24 August 1974: South Africa: Farm Strathfieldsaye: TM: 1 [1 - **1** - **1**].
25 August 1974: Ethiopia: Tola River: SMF: 1 [1 - **1** - **1**].
27 August 1974: South Africa: Chase Valley: TM: 1 [1 - **1** - **1**].
6 September 1974: Ethiopia: Tola River: SMF: 1 [1 - **1**].
South Africa: Bloemfontein: NMB: 3 [3 - **3** - **3**]. - **1**].
7 September 1974: Ethiopia: Tola River: SMF: 1 [1 - **1**].
South Africa: Philippolis: NMB: 3 [3 - **3** - **3**]. - **1**].
10 September 1974: South Africa: Bloemfontein: NMB: 1 [1 - **1** - **1**].
12 September 1974: South Africa: Hans Merensky Nature Reserve: TM: 1 [1 - **1** - **1**].
13 September 1974: South Africa: Hans Merensky Nature Reserve: TM: 11 [11 - **11** - **11**].
14 September 1974: South Africa: Hans Merensky Nature Reserve: TM: 1 [1 - **1** - **1**].
15 September 1974: South Africa: Charter's Creek: TM: 1 [1 - **1** - **1**].
20 September 1974: South Africa: Ladybrand: NMB: 1 [1 - **1** - **1**].
22 September 1974: Mozambique: Pico Meponduine: AMNH: 1 [1 - **1** - **1**].
23 September 1974: South Africa: Ladybrand: NMB: 1 [1 - **1** - **1**].
27 September 1974: South Africa: Umdoni Park: TM: 2 [2 - **2** - **2**].
10 October 1974: South Africa: Pietermaritzburg: TM: 2 [2 - **2** - **2**].
12 October 1974: South Africa: Pietermaritzburg: TM: 5 [5 - **5** - **5**].
15 October 1974: South Africa: Loskop Dam Nature Reserve: TM: 1 [1 - **1** - **1**].
30 October 1974: South Africa: Farm Makapansgat, Pepercorn's cave: TM: 3 [3 - **3** - **3**].
31 October 1974: South Africa: Nyalazi Forest Reserve: TM: 1 [1 - **1** - **1**].
9 November 1974: South Africa: Ten Bosch Estates: TM: 3 [3 - **3** - **3**].
11 November 1974: South Africa: Ten Bosch Estates: TM: 1 [1 - **1** - **1**].
12 November 1974: South Africa: Ten Bosch Estates: TM: 20 [20 - **20** - **20**].
13 November 1974: South Africa: Cullinan: TM: 1 [1] - Pretoria Zoo: TM: 1 [1 - **2** - **2**].
1 December 1974: South Africa: Pietermaritzburg: TM: 1 [1 - **1** - **1**].
9 December 1974: South Africa: Hans Merensky Nature Reserve: TM: 1 [1] - Pietermaritzburg: TM: 1 [1 - **2** - **2**].
13 December 1974: South Africa: Farm Leeuwspoor 647, on Pongola river: TM: 1 [1] - Farm Leeuwspoor 647, on Pongola Road: TM: 8 [8 - **9** - **9**].
14 December 1974: South Africa: Nyalazi Forest Reserve: TM: 1 [1 - **1** - **1**].
16 December 1974: Mozambique: Zinave: AMNH: 1 [1 - **1** - **1**].
18 December 1974: South Africa: Mission Rocks Bat Cave: TM: 1 [1 - **1** - **1**].
23 December 1974: Tanzania: Serengeti Research Institute: BRTC: 1 [1 - **1** - **1**].
1 January 1975: Togo: no specific locality: SMF: 1 [1 - **1**].
Tunisia: Djebel Rassas: TTU: 1 [1 - **1** - **1**]. - **1**].
9 January 1975: South Africa: Ladybrand: NMB: 1 [1 - **1** - **1**].
10 January 1975: South Africa: Umdoni Caravan Park: TM: 1 [1 - **1** - **1**].
11 January 1975: Kenya: Rift Valley [former] province: SMF: 1 [1 - **1**].
South Africa: Umdoni Park: TM: 1 [1 - **1** - **2**].
20 January 1975: South Africa: Schurweberg caves: TM: 3 [3 - **3** - **3**].

25 January 1975: South Africa: Farm Rietgat, plot 102: TM: 1 [1 - **1** - **1**].
9 February 1975: South Africa: Farm Naerina: TM: 1 [1 - **1** - **1**].
12 February 1975: South Africa: Matlapitsi Caves: TM: 12 [12 - **12** - **12**].
17 February 1975: South Africa: Nyalazi Forest Reserve: TM: 6 [6 - **6** - **6**].
26 February 1975: South Africa: Pietermaritzburg: TM: 1 [1 - **1** - **1**].
28 February 1975: Namibia: Namibia Desert Research Station [= DERU]: NHMZ: 1 [1 - **1** - **1**].
2 March 1975: South Africa: Pietermaritzburg: TM: 1 [1 - **1** - **1**].
7 March 1975: Zimbabwe: Hostes Nicoll Research Institute: NHMZ: 1 [1 - **1** - **1**].
9 March 1975: Zimbabwe: Hostes Nicoll Research Institute: NHMZ: 1 [1 - **1** - **1**].
14 March 1975: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
16 March 1975: South Africa: Nyalazi Forest Reserve: TM: 1 [1 - **1** - **1**].
25 March 1975: South Africa: Pietermaritzburg: TM: 1 [1 - **1** - **1**].
10 April 1975: Zimbabwe: Frogmore: NHMZ: 2 [2 - **2** - **2**].
11 April 1975: Zimbabwe: Frogmore: NHMZ: 1 [1 - **1** - **1**].
14 April 1975: South Africa: Charter's Creek: TM: 2 [2 - **2** - **2**].
17 April 1975: South Africa: Letaba Ranch: TM: 4 [4 - **4** - **4**].
18 April 1975: South Africa: Umdoni Park: TM: 1 [1 - **1** - **1**].
1 May 1975: Zimbabwe: Mutare: TM: 1 [1 - **1** - **1**].
25 May 1975: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 June 1975: South Africa: Manzengwenya Forest Station: TM: 2 [2 - **2** - **2**].
4 June 1975: South Africa: John Nash Nature Reserve: TM: 1 [1 - **1** - **1**].
28 August 1975: South Africa: Fauresmith: NMB: 1 [1 - **1** - **1**].
2 September 1975: Kenya: Coast [former] province: SMF: 1 [1 - **1** - **1**].
21 September 1975: Kenya: Unknown locality: SMF: 1 [1 - **1** - **1**].
22 September 1975: Kenya: Ruaraka: SMF: 4 [4 - **4** - **4**].
27 September 1975: Kenya: Unknown locality: SMF: 1 [1 - **1** - **1**].
29 September 1975: Kenya: Unknown locality: SMF: 10 [10] - Buffalo Springs Camp: SMF: 1 [1 - **1** - **10** - **1**]. - **10**].
30 September 1975: Ethiopia: Unknown locality: SMF: 3 [3 - **3** - **3**].
1 October 1975: Ethiopia: Unknown locality: SMF: 1 [1 - **1**].
Kenya: Ithundu cave: OMNH: 1 [1 - **1** - **2**].
2 October 1975: Ethiopia: Unknown locality: SMF: 3 [3 - **3** - **3**].
3 October 1975: Ethiopia: Fafan River: SMF: 1 [1 - **1**].
Uganda: Masaka district: SMF: 1 [1 - **1** - **1**]. - **1**].
4 October 1975: Ethiopia: Unknown locality: SMF: 2 [2 - **2** - **2**].
8 October 1975: Ethiopia: Unknown locality: SMF: 4 [4 - **4** - **4**].
18 October 1975: Ethiopia: Unknown locality: SMF: 1 [1] - Doki River Bridge: SMF: 1 [1 - **1** - **1** - **1**]. - **1**].
19 October 1975: Ethiopia: Jimma, 5 km E: SMF: 1 [1 - **1** - **1**].
20 October 1975: Ethiopia: Jimma, 5 km E: SMF: 1 [1 - **1** - **1**].
21 October 1975: South Africa: New Muckleneuk: TM: 1 [1 - **1** - **1**].
29 October 1975: Ethiopia: Unknown locality: SMF: 6 [6 - **6** - **6**].
30 October 1975: Uganda: Kisoro district: SMF: 1 [1 - **1** - **1**].
31 October 1975: Uganda: Kisoro district: SMF: 1 [1 - **1** - **1**].
1 November 1975: Cameroon: Khmba [=? Kumba?]: MNHN: 3 [3 - **3** - **3**].
18 November 1975: Ethiopia: Unknown locality: SMF: 1 [1] - Didessa river bridge: SMF: 4 [4 - **4** - **1** - **4**]. - **1**].
19 November 1975: Ethiopia: Unknown locality: SMF: 1 [1] - Didessa river bridge: SMF: 1 [1 - **1** - **1** - **1**]. - **1**].
1 January 1976: Nigeria: Unknown locality: ZMA: 3 [3 - **3** - **3**].
17 January 1976: Botswana: Maun: USNM: 4 [4 - **4** - **4**].
23 January 1976: South Africa: Lake Sibaya Reserve Station: TM: 22 [22 - **22** - **22**].
26 January 1976: South Africa: Itala Game Reserve: DNSM: 1 [1] - Itala Nature Reserve: DNSM: 1 [1 - **2** - **2**].
4 February 1976: Ethiopia: Mekinissa: CM: 1 [1 - **1** - **1**].
7 February 1976: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
10 March 1976: South Africa: Durban: DNSM: 3 [3] - Hillary: DNSM: 1 [1 - **4** - **4**].
20 March 1976: South Africa: Pietermaritzburg: SMF: 2 [2 - **2** - **2**].
24 March 1976: South Africa: KwaZulu-Natal province: SMF: 4 [4 - **4** - **4**].
29 March 1976: South Africa: Pietermaritzburg: SMF: 1 [1 - **1** - **1**].
30 March 1976: South Africa: Hester Malan Wild Flower Reserve: TM: 1 [1 - **1** - **1**].
3 April 1976: South Africa: Pietermaritzburg: SMF: 2 [2 - **2** - **2**].
25 April 1976: South Africa: Kosi Bay estuary: TM: 1 [1 - **1** - **1**].
26 April 1976: South Africa: Bloemfontein: NMB: 1 [1] - Kosi Bay estuary: TM: 10 [10 - **11** - **11**].
27 April 1976: Zimbabwe: Cyrene: HZM: 1 [1 - **1** - **1**].
28 April 1976: South Africa: Sarnia: DNSM: 1 [1 - **1** - **1**].
1 May 1976: South Africa: Doornhoek mine: TTU: 1 [1] - Pietermaritzburg: SMF: 1 [1 - **2** - **2**].
30 May 1976: South Africa: Doornhoek mine: TTU: 1 [1 - **1** - **1**].
13 June 1976: South Africa: Doornhoek mine: TTU: 1 [1 - **1** - **1**].
20 June 1976: South Africa: Doornhoek mine: TTU: 3 [3 - **3** - **3**].
28 June 1976: South Africa: Sarnia: DNSM: 1 [1 - **1** - **1**].
15 July 1976: "Africa": Zambia or Zimbabwe: SMF: 1 [1 - **1** - **1**].
1 August 1976: Burundi: Usumbura: RBINS: 4 [4 - **4** - **4**].
17 August 1976: South Africa: Farm Bokveld, on Limpopo River: TM: 1 [1 - **1** - **1**].
20 September 1976: South Africa: Bloemfontein: NMB: 1 [1 - **1** - **1**].
30 October 1976: Niger: Maradi: SMF: 3 [3 - **3** - **3**].
31 October 1976: Niger: Maradi: SMF: 4 [4 - **4** - **4**].
4 November 1976: Niger: Tahaoua: SMF: 8 [8 - **8** - **8**].
3 January 1977: South Africa: Vernon Crookes Nature Reserve: TM: 1 [1 - **1** - **1**].
3 February 1977: South Africa: Farm Keikamspoort 71: TM: 1 [1 - **1** - **1**].
8 February 1977: South Africa: Farm Keikamspoort 71: TM: 3 [3 - **3** - **3**].

27 April 1977: South Africa: Farm Malta: TM: 2 [2 - **2** - **2**].
29 April 1977: South Africa: The Downs: TM: 2 [2 - **2** - **2**].
1 May 1977: South Africa: The Downs: TM: 1 [1 - **1** - **1**].
4 May 1977: South Africa: The Downs: TM: 9 [9 - **9** - **9**].
16 May 1977: South Africa: Mission Rocks Bat Cave: TM: 4 [4 - **4** - **4**].
26 May 1977: Namibia: Farm Eindpaal 429: SMW: 7 [7] - Farm Eindpaal 429 [= Eindopaal]: SMW: 1 [1 - **8** - **8**].
1 June 1977: Tanzania: Morogoro region: SMF: 1 [1] - Pwani region: SMF: 1 [1 - **2** - **2**].
17 August 1977: Tanzania: Dar-Es-Salaam region: SMF: 1 [1 - **1** - **1**].
15 September 1977: South Africa: Bloemfontein: NMB: 1 [1 - **1** - **1**].
6 October 1977: Namibia: Unknown locality: QM: 1 [1 - **1** - **1**].
8 October 1977: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].
15 October 1977: South Africa: Schurueberg [=Schurweberg] Cave No.1: BRTC: 4 [4 - **4** - **4**].
18 October 1977: Botswana: Drotsky Cave: SMF: 1 [1 - **1** - **1**].
4 November 1977: Namibia: Unknown locality: QM: 1 [1 - **1** - **1**].
15 November 1977: Namibia: Unknown locality: QM: 1 [1 - **1** - **1**].
4 December 1977: South Africa: Farm Makalali: TM: 1 [1 - **1** - **1**].
8 December 1977: South Africa: Farm Makalali: TM: 1 [1] - Makalali: TM: 1 [1 - **2** - **2**].
12 December 1977: South Africa: Makalali Farm: TM: 2 [2 - **2** - **2**].
3 January 1978: South Africa: Vernon Crookes Nature Reserve: TM: 13 [13 - **13** - **13**].
7 January 1978: South Africa: Kamberg Nature Reserve: DNSM: 1 [1] - KwaSheleni: DNSM: 3 [3 - **4** - **4**].
14 January 1978: Nigeria: Unknown locality: SMF: 39 [39 - **39** - **39**].
23 January 1978: South Africa: Vernon Crookes Nature Reserve: TM: 1 [1 - **1** - **1**].
1 February 1978: South Sudan: Sharq al Istiwa'iyah state: SMF: 1 [1 - **1** - **1**].
19 February 1978: Algeria: Unknown locality: SMF: 1 [1 - **1** - **1**].
23 February 1978: Rwanda: Gasiza: RBINS: 2 [2 - **2** - **2**].
9 March 1978: South Africa: Waterkloof: TM: 1 [1 - **1** - **1**].
15 March 1978: Zimbabwe: Chirinda Pools: NHMZ: 1 [1 - **1** - **1**].
26 March 1978: Ethiopia: Lalibela: MZUF: 4 [4 - **4** - **4**].
29 March 1978: South Africa: Dumisa Gold Mine: TM: 2 [2 - **2** - **2**].
12 April 1978: South Africa: Doornhoek: TM: 3 [3 - **3** - **3**].
15 May 1978: Burundi: Cibitoke: RBINS: 1 [1 - **1** - **1**].
17 May 1978: South Africa: Groendal Wilderness Area: TM: 3 [3 - **3** - **3**].
19 May 1978: South Africa: Groendal Wilderness Area: TM: 1 [1 - **1** - **1**].
22 May 1978: South Africa: Ladybrand: NMB: 1 [1 - **1** - **1**].
1 June 1978: Namibia: Bat's hole [=Bats cave]: TM: 2 [2 - **2** - **2**].
18 June 1978: Central African Republic: Gounda camp: CM: 2 [2 - **2** - **2**].
10 August 1978: Liberia: Unknown locality: BMNH: 3 [3 - **3** - **3**].
20 September 1978: Mauritius: Cascade river: BMNH: 1 [1 - **1** - **1**].
28 September 1978: Mauritius: Cascade river: BMNH: 1 [1 - **1** - **1**].
23 October 1978: South Africa: Munthouse, Visagie Street: TM: 1 [1 - **1** - **1**].
1 November 1978: South Africa: De Hoop Nature Reserve, De Hoop Guano Cave: TM: 13 [13 - **13** - **13**].
7 November 1978: South Africa: Dumisa Gold Mine: TM: 1 [1 - **1** - **1**].
19 November 1978: Algeria: Mascara province: SMF: 1 [1 - **1** - **1**].
7 December 1978: South Africa: Dumisa Gold Mine: TM: 1 [1 - **1** - **1**].
8 December 1978: South Africa: Barberton: TM: 5 [5 - **5** - **5**].
11 December 1978: South Africa: Barberton: TM: 1 [1 - **1** - **1**].
12 December 1978: South Africa: Barberton: TM: 2 [2 - **2** - **2**].
13 December 1978: South Africa: Barberton: TM: 1 [1 - **1** - **1**].
1 January 1979: South Africa: Unnamed locality: ZMA: 2 [2 - **2** - **2**].
6 January 1979: Cameroon: Ydé: SMF: 1 [1 - **1** - **1**].
7 January 1979: South Africa: Ventersburg: NMB: 2 [2 - **2** - **2**].
9 January 1979: Cameroon: Unknown locality: SMF: 1 [1 - **1** - **1**].
11 January 1979: Cameroon: Ydé: SMF: 1 [1 - **1** - **1**].
14 January 1979: Cameroon: Ydé: SMF: 2 [2 - **2** - **2**].
16 January 1979: South Africa: Stormsriver State Forest Station: TM: 1 [1 - **1** - **1**].
19 January 1979: Cameroon: Unknown locality: SMF: 1 [1 - **1** - **1**].
22 January 1979: South Africa: Karoo-NP: TM: 1 [1 - **1** - **1**].
30 January 1979: South Africa: Karoo-NP: TM: 1 [1 - **1** - **1**].
10 February 1979: South Africa: Kammannassie M.C.A [Camp 2]: TM: 1 [1 - **1** - **1**].
13 February 1979: Cameroon: Sud-Ouest region: SMF: 1 [1 - **1** - **1**].
19 February 1979: Cameroon: Sud-Ouest region: SMF: 2 [2 - **2** - **2**].
20 February 1979: Cameroon: Sud-Ouest region: SMF: 6 [6 - **6** - **6**].
25 February 1979: Cameroon: Buéa: SMF: 1 [1] - Sud-Ouest region: SMF: 4 [4 - **1** - **4** - **1**]. - **4**].
1 March 1979: Cameroon: Sud-Ouest region: SMF: 1 [1 - **1**].
Mali: Toguere-Koumbé: MNHN: 1 [1 - **1** - **2**].
11 March 1979: Burundi: Resha: SMF: 1 [1 - **1** - **1**].
16 March 1979: Burundi: Resha: SMF: 2 [2 - **2** - **2**].
18 March 1979: Burundi: Resha: SMF: 1 [1 - **1**].
Cameroon: Buéa: SMF: 2 [2 - **2** - **3**].
19 March 1979: Burundi: Resha: SMF: 1 [1 - **1**].
Cameroon: Buéa: SMF: 3 [3 - **3** - **4**].
23 March 1979: Cameroon: Buéa: SMF: 2 [2 - **2** - **2**].
24 March 1979: Cameroon: Buéa: SMF: 1 [1] - Sud-Ouest region: SMF: 1 [1 - **1** - **1** - **1**]. - **1**].
25 March 1979: Cameroon: Buéa: SMF: 1 [1 - **1** - **1**].
1 April 1979: Cameroon: Buéa: SMF: 1 [1 - **1** - **1**].
7 April 1979: Libya: Unknown locality: SMF: 1 [1 - **1** - **1**].

14 April 1979: Kenya: Nairobi Area: SMF: 2 [2 - **2** - **2**].
15 April 1979: Kenya: Nairobi Area: SMF: 1 [1 - **1** - **1**].
21 April 1979: Kenya: Coast [former] province: SMF: 1 [1 - **1** - **1**].
22 April 1979: Kenya: Coast [former] province: SMF: 1 [1 - **1** - **1**].
24 April 1979: Kenya: Coast [former] province: SMF: 4 [4 - **4** - **4**].
28 April 1979: South Africa: St. Lucia: DNSM: 1 [1 - **1** - **1**].
29 April 1979: Kenya: Rift Valley [former] province: SMF: 2 [2 - **2** - **2**].
1 May 1979: Kenya: Nyanza [former] province: SMF: 1 [1 - **1** - **1**].
6 May 1979: South Africa: Dumisa Gold Mine: TM: 2 [2] - Pafuri: TM: 1 [1 - **3** - **3**].
7 May 1979: Kenya: Chyulu Hills National Park: SMF: 1 [1] - Eastern [former] province: SMF: 4 [4 - **5**].
South Africa: Pafuri: NMB: 1, TM: 3 [4 - **4** - **9**].
9 May 1979: South Africa: Pafuri: TM: 1 [1 - **1** - **1**].
13 May 1979: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].
14 May 1979: Seychelles: Unknown locality: SMF: 1 [1 - **1** - **1**].
17 May 1979: South Africa: Dzundwini: TM: 1 [1 - **1** - **1**].
18 May 1979: Seychelles: Praslin island: SMF: 3 [3 - **3** - **3**].
21 May 1979: Seychelles: Unknown locality: SMF: 1 [1 - **1** - **1**].
22 May 1979: Seychelles: Unknown locality: SMF: 1 [1 - **1** - **1**].
17 June 1979: Congo (Democratic Republic of the): Yalosemba: MHNG: 3 [3 - **3** - **3**].
21 June 1979: Nigeria: Ibadan University College: ZMA: 1 [1 - **1** - **1**].
23 June 1979: Congo (Democratic Republic of the): Yalosemba: MHNG: 1 [1 - **1** - **1**].
27 June 1979: Congo (Democratic Republic of the): Yalosemba: MHNG: 2 [2 - **2** - **2**].
28 June 1979: Congo (Democratic Republic of the): Yalosemba: MHNG: 2 [2 - **2** - **2**].
5 July 1979: South Africa: Crocodile Bridge Rest Camp: TM: 12 [12 - **12** - **12**].
7 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 3 [3 - **3**].
South Africa: Malelane: TM: 10 [10 - **10** - **13**].
9 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 1 [1 - **1** - **1**].
10 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 1 [1 - **1**].
South Africa: Malelane: TM: 1 [1] - Stoltzneck Ranger's Post: TM: 1 [1 - **2** - **3**].
11 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 1 [1 - **1**].
South Africa: Stoltznek Dam: TM: 1 [1 - **1** - **2**].
12 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 4 [4 - **4** - **4**].
13 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 5 [5 - **5** - **5**].
14 July 1979: South Africa: Skukuza: TM: 1 [1 - **1** - **1**].
15 July 1979: South Africa: Skukuza: TM: 7 [7 - **7** - **7**].
16 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 5 [5] - Yalosemba: ZMMU: 1 [1 - **6** - **6**].
21 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 4 [4 - **4** - **4**].
26 July 1979: Cameroon: Unknown locality: SMF: 1 [1 - **1** - **1**].
27 July 1979: Cameroon: Unknown locality: SMF: 1 [1 - **1** - **1**].
29 July 1979: Cameroon: Unknown locality: SMF: 1 [1 - **1** - **1**].
30 July 1979: Algeria: Mascara province: SMF: 1 [1 - **1**].
Cameroon: Unknown locality: SMF: 1 [1 - **1** - **2**].
31 July 1979: Cameroon: Unknown locality: SMF: 3 [3 - **3** - **3**].
2 August 1979: Cameroon: Unknown locality: SMF: 1 [1 - **1** - **1**].
14 August 1979: South Africa: Warner Beach: DNSM: 1 [1 - **1** - **1**].
22 August 1979: Tanzania: Tanga region: SMF: 4 [4 - **4** - **4**].
27 August 1979: Somalia: Giohar: MZUF: 1 [1 - **1** - **1**].
1 September 1979: South Africa: Punda Malia: TM: 1 [1 - **1** - **1**].
12 September 1979: South Africa: Levuvhu Hippopool: TM: 3 [3 - **3** - **3**].
13 September 1979: South Africa: Levuvhu Hippopool: TM: 3 [3 - **3** - **3**].
14 September 1979: South Africa: Levuvhu Hippopool: TM: 2 [2 - **2** - **2**].
15 September 1979: South Africa: Levuvhu Hippopool: TM: 2 [2] - Shirombe pan: TM: 1 [1 - **3** - **3**].
21 September 1979: South Africa: Punda Malia: TM: 9 [9 - **9** - **9**].
22 September 1979: South Africa: Punda Malia: TM: 1 [1 - **1** - **1**].
23 September 1979: South Africa: Punda Malia: TM: 1 [1 - **1** - **1**].
2 October 1979: Kenya: Unknown locality: RMNH: 1 [1] - Watamu Beach: ZMA: 1 [1 - **2** - **2**].
3 October 1979: Kenya: Unknown locality: RMNH: 9 [9 - **9**].
South Africa: Kok's farm: TM: 3 [3 - **3** - **12**].
4 October 1979: Kenya: Unknown locality: RMNH: 2 [2 - **2**].
South Africa: Luckhoff: NMB: 2 [2 - **2** - **4**].
6 October 1979: Kenya: Unknown locality: RMNH: 2 [2 - **2** - **2**].
7 October 1979: Kenya: Unknown locality: RMNH: 4 [4 - **4** - **4**].
9 October 1979: Kenya: Unknown locality: RMNH: 2 [2 - **2** - **2**].
10 October 1979: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
11 October 1979: Kenya: Sokoke Forest: ZMA: 1 [1 - **1** - **1**].
12 October 1979: Kenya: Unknown locality: RMNH: 2 [2 - **2** - **2**].
17 October 1979: Kenya: Unknown locality: RMNH: 3 [3] - Diani Forest: ZMA: 1 [1 - **4** - **4**].
25 October 1979: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
26 October 1979: Kenya: Unknown locality: RMNH: 2 [2 - **2**].
South Africa: Farm Goudhoek: TM: 1 [1 - **1** - **3**].
27 October 1979: Rwanda: Unknown locality: RMNH: 1 [1 - **1** - **1**].
29 October 1979: Algeria: Mascara province: SMF: 2 [2 - **2**].
South Africa: Farm Goudhoek: TM: 6 [6 - **6** - **8**].
7 November 1979: South Africa: Ventersburg: NMB: 3 [3 - **3** - **3**].
15 November 1979: South Africa: Shannon, Nassau str. 91: NMB: 1 [1 - **1** - **1**].
18 November 1979: South Africa: Saasveld Forestry Research Station: TM: 2 [2 - **2** - **2**].

29 November 1979: South Africa: Thaba Nchu: NMB: 5 [5 - **5** - **5**].
11 December 1979: Cameroon: Sud-Ouest region: SMF: 2 [2 - **2** - **2**].
12 December 1979: Cameroon: Sud-Ouest region: SMF: 1 [1 - **1** - **1**].
1 January 1980: South Africa: Unknown locality: ZMA: 1 [1] - Twin Streams: DNSM: 1 [1 - **2** - **2**].
10 January 1980: South Africa: Kok's farm: TM: 4 [4 - **4** - **4**].
21 January 1980: Cameroon: Sud-Ouest region: SMF: 1 [1 - **1** - **1**].
4 February 1980: South Africa: Senekal: NMB: 1 [1 - **1** - **1**].
11 February 1980: South Africa: Edenburg: NMB: 3 [3 - **3** - **3**].
12 February 1980: South Africa: Edenburg: NMB: 2 [2 - **2** - **2**].
14 February 1980: South Africa: Ithala Game Reserve [=Itala Nature Reserve]: TM: 1 [1 - **1** - **1**].
10 March 1980: South Africa: Bethlehem: NMB: 3 [3 - **3** - **3**].
26 April 1980: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
4 May 1980: Niger: Unknown locality: BMNH: 1 [1 - **1** - **1**].
19 May 1980: Niger: Unknown locality: BMNH: 1 [1 - **1**].
South Africa: Bultfontein: NMB: 6 [6 - **6** - **7**].
18 July 1980: Tanzania: Mbeya region: SMF: 1 [1 - **1** - **1**].
15 August 1980: Congo (Democratic Republic of the): Kinkole: ZMA: 6 [6 - **6** - **6**].
23 August 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
9 October 1980: Algeria: Oran province: SMF: 1 [1 - **1** - **1**].
28 October 1980: Namibia: Swartkop Diamond Area No.1: TM: 1 [1 - **1** - **1**].
29 October 1980: Namibia: Swartkop Diamond Area No.1: TM: 1 [1 - **1** - **1**].
5 December 1980: Algeria: Unknown locality: SMF: 1 [1 - **1** - **1**].
7 December 1980: Algeria: Unknown locality: SMF: 2 [2 - **2**].
South Africa: Mission Rocks Outpost: TM: 1 [1 - **1** - **3**].
8 December 1980: South Africa: Bloemfontein: NMB: 1 [1 - **1** - **1**].
9 December 1980: South Africa: St.Lucia: TM: 2 [2 - **2** - **2**].
11 December 1980: South Africa: Shore Nature Reserve, NE: TM: 2 [2 - **2** - **2**].
12 December 1980: South Africa: Mission Rocks Outpost: TM: 1 [1 - **1** - **1**].
14 December 1980: South Africa: Mission Rocks Outpost: TM: 2 [2 - **2** - **2**].
18 December 1980: South Africa: Oribi Gorge Nature Reserve: TM: 1 [1 - **1** - **1**].
19 December 1980: South Africa: Oribi Gorge Nature Reserve: TM: 1 [1 - **1** - **1**].
20 December 1980: South Africa: Oribi Gorge Nature Reserve: TM: 1 [1 - **1** - **1**].
1 January 1981: Burkina Faso: Unknown locality: SMF: 1 [1 - **1**].
South Africa: Oribi Gorge Nature Reserve: TM: 2 [2 - **2**].
Tanzania: Mbeya region: SMF: 2 [2 - **2** - **5**].
14 January 1981: South Africa: Durban: TM: 1 [1] - Gauteng province: SMF: 1 [1] - Westville: DNSM: 2, TM: 7 [9 - **11** - **11**].
22 January 1981: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
26 January 1981: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
29 January 1981: South Africa: Levuvhu Hippopool: TM: 1 [1 - **1** - **1**].
30 January 1981: South Africa: Westville: TM: 1 [1 - **1** - **1**].
4 February 1981: South Africa: Senekal: NMB: 3 [3 - **3** - **3**].
12 February 1981: Central African Republic: Bamingui-Bangoran prefecture: SMF: 2 [2 - **2** - **2**].
20 February 1981: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
23 February 1981: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
8 March 1981: South Africa: Vrede: NMB: 2 [2 - **2** - **2**].
10 March 1981: South Africa: Itala National Park: TM: 1 [1 - **1** - **1**].
6 May 1981: South Africa: Vredefort: NMB: 1 [1 - **1** - **1**].
7 May 1981: Algeria: Oran province: SMF: 3 [3 - **3** - **3**].
9 May 1981: Algeria: Unknown locality: SMF: 1 [1 - **1** - **1**].
10 May 1981: South Africa: Madlangula: TM: 1 [1 - **1** - **1**].
17 May 1981: Zimbabwe: Umtali mine adit: DNSM: 1 [1 - **1** - **1**].
23 May 1981: South Africa: Boshof: NMB: 1 [1 - **1** - **1**].
14 June 1981: Algeria: Oran province: SMF: 1 [1 - **1** - **1**].
4 July 1981: Somalia: Taleh cave: MZUF: 10 [10 - **10** - **10**].
28 August 1981: Gabon: Grotte de Faucon: MNHN: 1 [1 - **1** - **1**].
23 September 1981: South Africa: Riebeekstad: NMB: 6 [6 - **6** - **6**].
27 September 1981: Tanzania: Morogoro region: SMF: 3 [3 - **3** - **3**].
2 October 1981: Zimbabwe: Rhodes Inyanga National Park: TM: 2 [2] - Zimbabwe Ruins: TM: 16 [16 - **18** - **18**].
3 October 1981: Zimbabwe: Morgenster cave: DNSM: 1 [1 - **1** - **1**].
4 October 1981: Zimbabwe: Chirinda forest: TM: 1 [1 - **1** - **1**].
5 October 1981: Zimbabwe: Chirinda forest: TM: 3 [3 - **3** - **3**].
7 October 1981: Zimbabwe: Old Mine Adit [=Umtali Old mine]: TM: 17 [17 - **17** - **17**].
9 October 1981: Algeria: Unknown locality: SMF: 1 [1 - **1** - **1**].
11 October 1981: Zimbabwe: Rhodes Inyanga National Park: TM: 2 [2 - **2** - **2**].
12 October 1981: Tanzania: Dar-Es-Salaam region: SMF: 1 [1 - **1** - **1**].
14 October 1981: Zimbabwe: Rusito forest, Rustio River: TM: 3 [3 - **3** - **3**].
15 October 1981: Zimbabwe: Rusito forest, Rustio River: TM: 3 [3 - **3** - **3**].
16 October 1981: Zimbabwe: Rusito forest, Rustio River: TM: 6 [6 - **6** - **6**].
17 October 1981: Zimbabwe: Old Mine Adit [=Umtali Old mine]: TM: 5 [5] - Umtali mine adit: DNSM: 3 [3 - **8** - **8**].
21 October 1981: South Africa: Senekal: NMB: 2 [2 - **2**].
Zimbabwe: Chikupo cave: TM: 18 [18] - Chikupu [=Chikupo] Caves: DNSM: 2 [2 - **20** - **22**].
22 October 1981: Zimbabwe: Lion and Cheetah Park: TM: 2 [2 - **2** - **2**].
23 October 1981: Zimbabwe: Chikupo cave: TM: 1 [1] - Sengwa Wildlife Research Station: TM: 1 [1 - **2** - **2**].
26 October 1981: Zimbabwe: Chirisa Cave: TM: 38 [38] - Sengwa Wildlife Research Area: DNSM: 1 [1] - Sengwa Wildlife Research Station: TM: 4 [4 - **43** - **43**].

27 October 1981: Zimbabwe: Sengwa Wildlife Research Area: DNSM: 1 [1] - Sengwa Wildlife Research Station: DNSM: 1 [1 - **2** - **2**].
28 October 1981: Zimbabwe: Sengwa Wildlife Research Station: TM: 1 [1 - **1** - **1**].
30 October 1981: Zimbabwe: Gwai Bridge, 6 km W on falls road: TM: 4 [4 - **4** - **4**].
1 November 1981: Zimbabwe: Rhodes Inyanga National Park: TM: 1 [1] - Rhodes Matopos -Nature Park [=Matobo National Park]: TM: 5 [5 - **6** - **6**].
2 November 1981: Zimbabwe: Rhodes Inyanga National Park: TM: 1 [1] - Rhodes Matopos -Nature Park [=Matobo National Park]: TM: 4 [4 - **5** - **5**].
11 November 1981: Tanzania: Mbeya region: SMF: 5 [5 - **5** - **5**].
13 December 1981: Botswana: Kurunxaraga, Cement Camp: NHMZ: 1 [1 - **1** - **1**].
16 December 1981: South Africa: Vernon Crookes Nature Reserve: TM: 1 [1 - **1** - **1**].
26 December 1981: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
1 January 1982: Tanzania: Unknown locality: SMF: 1 [1 - **1** - **1**].
15 January 1982: South Africa: Howick village: TM: 1 [1 - **1** - **1**].
23 January 1982: South Africa: Oribi Gorge Nature Reserve: TM: 3 [3 - **3** - **3**].
24 January 1982: South Africa: Oribi-Lind Valley Game Ranch: TM: 6 [6 - **6** - **6**].
27 January 1982: South Africa: Levuvhu Hippopool: TM: 3 [3 - **3** - **3**].
28 January 1982: South Africa: Levuvhu Hippopool: TM: 13 [13 - **13** - **13**].
29 January 1982: South Africa: Anthrax camp: TM: 1 [1] - Levuvhu Hippopool: TM: 12 [12 - **13** - **13**].
1 February 1982: Tanzania: Mbeya region: SMF: 1 [1 - **1** - **1**].
3 February 1982: South Africa: Hester Malan Wild Flower Reserve: TM: 3 [3 - **3** - **3**].
7 February 1982: South Africa: Anthrax camp: TM: 2 [2 - **2** - **2**].
17 February 1982: South Africa: Harrismith [Kestell]: NMB: 1 [1 - **1** - **1**].
18 February 1982: South Africa: Verwoerburg: TM: 1 [1 - **1** - **1**].
1 March 1982: South Africa: Kenneth Stainbank Nature Reserve: DNSM: 1 [1 - **1** - **1**].
9 March 1982: South Africa: Kenneth Stainbank Nature Reserve: DNSM: 1 [1 - **1** - **1**].
10 March 1982: Somalia: Jamaame, 4 km S, 4 km W: BRTC: 1 [1 - **1** - **1**].
11 March 1982: South Africa: Kenneth Stainbank Nature Reserve: DNSM: 1 [1 - **1** - **1**].
12 March 1982: South Africa: Kenneth Stainbank Nature Reserve: DNSM: 3 [3 - **3** - **3**].
16 March 1982: South Africa: Koppies: NMB: 7 [7 - **7** - **7**].
17 March 1982: South Africa: Koppies: NMB: 1 [1 - **1** - **1**].
26 March 1982: South Africa: Stainbank NR: DNSM: 1 [1 - **1** - **1**].
10 April 1982: South Africa: Nwanedzi, 3 km SE: TM: 5 [5 - **5** - **5**].
11 April 1982: South Africa: Gezantombi waterhole: TM: 6 [6 - **6** - **6**].
13 April 1982: South Africa: Escombe: DNSM: 1 [1 - **1** - **1**].
14 April 1982: South Africa: Zastron: NMB: 2 [2 - **2** - **2**].
16 April 1982: Zimbabwe: Chipinga: TM: 9 [9 - **9** - **9**].
26 April 1982: South Africa: Kenneth Stainbank Nature Reserve: DNSM: 1 [1 - **1** - **1**].
19 May 1982: South Africa: Gillets: DNSM: 1 [1 - **1** - **1**].
20 May 1982: South Africa: Ficksburg: NMB: 1 [1 - **1** - **1**].
23 May 1982: Tanzania: Mbeya region: SMF: 1 [1 - **1** - **1**].
1 June 1982: Zambia: Unknown locality: QM: 1 [1 - **1** - **1**].
25 June 1982: Tanzania: Unknown locality: SMF: 1 [1 - **1** - **1**].
17 July 1982: Kenya: Unknown locality: QM: 1 [1 - **1** - **1**].
24 July 1982: Tanzania: Iringa region: SMF: 1 [1] - Morogoro region: SMF: 1 [1 - **2** - **2**].
25 July 1982: South Africa: Umkomaas: DNSM: 1 [1 - **1** - **1**].
17 August 1982: South Africa: Vrede: NMB: 2 [2 - **2** - **2**].
24 August 1982: South Africa: Albany district: SAMC: 1 [1 - **1** - **1**].
27 August 1982: South Africa: University of KwaZulu-Natal, Cato Manor: DNSM: 1 [1 - **1** - **1**].
13 September 1982: South Africa: Dewetsdorp: NMB: 1 [1 - **1** - **1**].
14 September 1982: South Africa: Dewetsdorp: NMB: 1 [1 - **1** - **1**].
16 September 1982: South Africa: Dewetsdorp: NMB: 1 [1] - Ndumu Game Reserve: TM: 16 [16 - **17** - **17**].
18 September 1982: South Africa: Ndumu Game Reserve: TM: 10 [10 - **10** - **10**].
19 September 1982: South Africa: Unknown locality: NHMZ: 2 [2] - Ndumu Game Reserve: TM: 8 [8 - **10** - **10**].
20 September 1982: South Africa: Ndumu Game Reserve: TM: 7 [7 - **7** - **7**].
21 September 1982: South Africa: Unknown locality: NHMZ: 1 [1] - Hilton: DNSM: 1 [1 - **2** - **2**].
27 September 1982: South Africa: Mission Rocks Bat Cave: TM: 14 [14 - **14** - **14**].
28 September 1982: South Africa: Cape Vidal: TM: 1 [1 - **1** - **1**].
29 September 1982: South Africa: Cape Vidal: TM: 14 [14] - Mission Rock: TM: 1 [1 - **15** - **15**].
7 October 1982: Zambia: Unknown locality: QM: 1 [1 - **1** - **1**].
9 October 1982: Zambia: Unknown locality: QM: 3 [3 - **3** - **3**].
12 October 1982: Zambia: Unknown locality: QM: 1 [1 - **1** - **1**].
14 October 1982: South Africa: Reddersburg: NMB: 3 [3 - **3** - **3**].
18 November 1982: South Africa: Fauresmith: NMB: 4 [4 - **4** - **4**].
1 December 1982: Egypt: Unknown locality: SMF: 3 [3 - **3** - **3**].
9 December 1982: South Africa: Fauresmith [Petrusburg]: NMB: 6 [6 - **6** - **6**].
13 January 1983: South Africa: Philippolis: NMB: 3 [3 - **3** - **3**].
25 January 1983: South Africa: Fig Tree Camp: TM: 1 [1 - **1** - **1**].
3 February 1983: South Africa: Durban, probably: DNSM: 2 [2 - **2** - **2**].
5 February 1983: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
9 February 1983: South Africa: Bethulie: NMB: 4 [4 - **4** - **4**].
12 February 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
15 February 1983: South Africa: Kuruman: TM: 3 [3 - **3** - **3**].
16 February 1983: South Africa: Farm Woodstock: TM: 1 [1 - **1** - **1**].
22 February 1983: South Africa: Farm Grootfontein: TM: 1 [1 - **1** - **1**].
23 February 1983: South Africa: Buxton Mine: TM: 2 [2 - **2** - **2**].

1 March 1983: Egypt: Valley of the Kings: SMF: 1 [1 - **1** - **1**].
9 March 1983: South Africa: Boshof [Hertzogville]: NMB: 2 [2 - **2** - **2**].
10 March 1983: South Africa: Boshof [Hertzogville]: NMB: 1 [1 - **1** - **1**].
19 March 1983: South Africa: Farm Brakfontein, Koegelbeen Cave: TM: 12 [12 - **12** - **12**].
16 April 1983: Tanzania: Isamilo: ZMA: 1 [1 - **1** - **1**].
20 April 1983: South Africa: Heilbron: NMB: 2 [2 - **2** - **2**].
21 April 1983: South Africa: Heilbron: NMB: 3 [3 - **3** - **3**].
1 May 1983: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
13 May 1983: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 June 1983: Niger: Diffa region: SMF: 1 [1 - **1** - **1**].
6 June 1983: Mauritius: Rodrigues: ZMA: 1 [1 - **1** - **1**].
14 June 1983: South Africa: Bellsbank Estates: TM: 13 [13 - **13** - **13**].
15 June 1983: South Africa: Farm Brakfontein, Koegelbeen Cave: TM: 92 [92] - Gatkoppies: TM: 13 [13 - **105** - **105**].
16 June 1983: South Africa: Buxton Mine: TM: 4 [4 - **4** - **4**].
1 July 1983: Burkina Faso: Ouagadougou: MNHN: 1 [1 - **1** - **1**].
5 July 1983: South Africa: Vredefort town: NMB: 1 [1 - **1** - **1**].
31 August 1983: South Africa: Fig Tree camp: TM: 9 [9 - **9** - **9**].
7 September 1983: South Africa: Ngubevu Mine: TM: 17 [17 - **17** - **17**].
9 September 1983: South Africa: Northern Sewage Works: TM: 33 [33 - **33** - **33**].
10 September 1983: South Africa: Kok's farm: TM: 11 [11 - **11** - **11**].
11 September 1983: South Africa: Town Bush Valley, Town Bush Cave: TM: 7 [7 - **7** - **7**].
14 September 1983: South Africa: Dumisa Gold Mine: TM: 14 [14 - **14** - **14**].
16 September 1983: South Africa: Sandile's Cave: TM: 1 [1 - **1** - **1**].
23 September 1983: South Africa: Farm Goudhoek: TM: 12 [12 - **12** - **12**].
24 September 1983: South Africa: Farm Goudhoek: TM: 20 [20 - **20** - **20**].
25 September 1983: South Africa: Farm Goudhoek: TM: 20 [20 - **20** - **20**].
29 September 1983: South Africa: Levuvhu River: TM: 1 [1 - **1** - **1**].
30 September 1983: South Africa: Levuvhu River: TM: 12 [12 - **12** - **12**].
1 October 1983: South Africa: Levuvhu River: TM: 10 [10 - **10** - **10**].
2 October 1983: South Africa: Kruger-NP: TM: 1 [1] - Levuvhu River: TM: 6 [6 - **7** - **7**].
5 October 1983: South Africa: Old Picnic Site: TM: 2 [2] - Skukuza lab buildings: TM: 10 [10 - **12** - **12**].
6 October 1983: South Africa: Old Picnic Site: TM: 4 [4] - Skukuza: TM: 9 [9] - Skukuza lab buildings: TM: 11 [11 - **24** - **24**].
22 October 1983: South Africa: Skukuza: TM: 12 [12 - **12** - **12**].
25 October 1983: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].
26 October 1983: South Africa: Lanner Gorge cave: TM: 4 [4 - **4** - **4**].
27 October 1983: South Africa: Fig Tree Camp: TM: 9 [9] - Pafuri area, Mockford's Garden: TM: 5 [5 - **14** - **14**].
28 October 1983: South Africa: Erfplaas windmill: TM: 5 [5 - **5** - **5**].
19 November 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
25 November 1983: South Africa: Farm Leelykstraat 320: MMK: 2 [2 - **2** - **2**].
26 November 1983: South Africa: Pafuri area, Mockford's Garden: TM: 2 [2 - **2**].
Tanzania: Sengerema: ZMA: 1 [1 - **1** - **3**].
27 November 1983: South Africa: Skukuza lab buildings: TM: 7 [7 - **7** - **7**].
28 November 1983: South Africa: Fig Tree Camp: TM: 10 [10 - **10** - **10**].
29 November 1983: South Africa: Fig Tree Camp: TM: 6 [6 - **6** - **6**].
30 November 1983: South Africa: Anthrax camp: TM: 4 [4] - Old Picnic Site: TM: 4 [4 - **8** - **8**].
4 December 1983: South Africa: St. Lucia: TM: 1 [1 - **1** - **1**].
28 December 1983: South Africa: Culling camp: TM: 11 [11] - Skukuza lab buildings: TM: 4 [4 - **15** - **15**].
29 December 1983: South Africa: Fig Tree Camp: TM: 5 [5 - **5** - **5**].
30 December 1983: South Africa: Fig Tree Camp: TM: 5 [5 - **5** - **5**].
7 January 1984: South Africa: Bloemfontein: NMB: 1 [1 - **1** - **1**].
19 January 1984: South Africa: Ladybrand: NMB: 4 [4 - **4** - **4**].
25 January 1984: South Africa: Fig Tree Camp: TM: 14 [14] - Skukuza lab buildings: TM: 10 [10 - **24** - **24**].
26 January 1984: South Africa: Fig Tree Camp: TM: 1 [1] - Tshalungwa Fountain: TM: 6 [6 - **7**].
Tanzania: Dar-Es-Salaam region: SMF: 1 [1 - **1** - **8**].
27 January 1984: South Africa: Fig Tree Camp: TM: 3 [3 - **3** - **3**].
28 January 1984: South Africa: Mashikiri windmill: TM: 4 [4 - **4** - **4**].
31 January 1984: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
2 February 1984: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
12 February 1984: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
13 February 1984: South Africa: St. Lucia: TM: 2 [2] - St. Lucia Village: TM: 1 [1 - **3** - **3**].
19 February 1984: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].
20 February 1984: South Africa: St. Lucia: TM: 1 [1 - **1** - **1**].
28 February 1984: South Africa: Anthrax camp: TM: 9 [9] - Skukuza lab buildings: TM: 10 [10 - **19** - **19**].
29 February 1984: South Africa: Anthrax camp: TM: 5 [5] - Old Picnic Site: TM: 1 [1 - **6** - **6**].
1 March 1984: South Africa: Fig Tree Camp: TM: 13 [13 - **13** - **13**].
2 March 1984: South Africa: Fig Tree Camp: TM: 2 [2] - Gwalali Army Camp: TM: 3 [3 - **5** - **5**].
4 March 1984: South Africa: Mashikiri windmill: TM: 4 [4 - **4** - **4**].
6 March 1984: South Africa: Kruger-NP, Bangu gorge caves: TM: 1 [1 - **1** - **1**].
12 March 1984: South Africa: Ngome Police Station: TM: 1 [1 - **1** - **1**].
31 March 1984: South Africa: Anthrax camp: TM: 12 [12] - Skukuza lab buildings: TM: 8 [8 - **20** - **20**].
2 April 1984: South Africa: Fig Tree Camp: TM: 5 [5 - **5** - **5**].
3 April 1984: South Africa: Fig Tree Camp: TM: 16 [16 - **16** - **16**].
4 April 1984: South Africa: Anthrax camp: TM: 2 [2 - **2** - **2**].
12 April 1984: South Africa: Nyala and Main Roads junction: TM: 1 [1 - **1** - **1**].
16 April 1984: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
17 April 1984: Tanzania: Morogoro region: SMF: 2 [2 - **2** - **2**].

18 April 1984: South Africa: Ficksburg, ca 1 km to Clocolan: NMB: 1 [1 - **1**].
Tanzania: Morogoro region: SMF: 2 [2 - **2** - **3**].
19 April 1984: South Africa: Old Picnic Site: TM: 8 [8 - **8**].
Tanzania: Iringa region: SMF: 1 [1 - **1** - **9**].
22 April 1984: South Africa: Gwalali Army Camp: TM: 1 [1 - **1** - **1**].
23 April 1984: South Africa: Mashikiri windmill: TM: 2 [2 - **2** - **2**].
24 April 1984: South Africa: Fig Tree Camp: TM: 18 [18] - Levuvhu bridge: TM: 4 [4 - **22**].
Tanzania: Mtwara region: SMF: 1 [1 - **1** - **23**].
25 April 1984: South Africa: Levuvhu bridge: TM: 3 [3] - Skukuza lab buildings: TM: 8 [8 - **11** - **11**].
26 April 1984: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].
28 April 1984: South Africa: Skukuza lab buildings: TM: 1 [1 - **1** - **1**].
2 May 1984: South Africa: Fouriesburg: NMB: 3 [3 - **3** - **3**].
5 May 1984: South Africa: Brandfort: NMB: 1 [1 - **1** - **1**].
26 May 1984: South Africa: Fig Tree Camp: TM: 2 [2 - **2** - **2**].
27 May 1984: South Africa: Old Picnic Site: TM: 4 [4 - **4** - **4**].
28 May 1984: South Africa: Old Picnic Site: TM: 2 [2 - **2** - **2**].
29 May 1984: South Africa: Old Picnic Site: TM: 3 [3 - **3** - **3**].
5 June 1984: South Africa: Skukuza lab buildings: TM: 12 [12 - **12** - **12**].
23 June 1984: South Africa: Fig Tree Forest: TM: 8 [8] - Skukuza Village: TM: 7 [7 - **15** - **15**].
24 June 1984: South Africa: Fig Tree Forest: TM: 1 [1 - **1** - **1**].
26 June 1984: South Africa: Manxeba windmill: TM: 8 [8 - **8** - **8**].
27 June 1984: Kenya: Unknown locality: QM: 2 [2 - **2**].
South Africa: Manxeba windmill: TM: 6 [6 - **6** - **8**].
29 June 1984: South Africa: Manxeba windmill: TM: 1 [1 - **1** - **1**].
30 June 1984: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].
12 July 1984: South Africa: Lady Grey: NMB: 1 [1 - **1** - **1**].
26 July 1984: South Africa: Skukuza Town: TM: 12 [12 - **12** - **12**].
27 July 1984: South Africa: Old Culling camp: TM: 5 [5 - **5** - **5**].
28 July 1984: South Africa: Manxeba windmill: TM: 14 [14 - **14** - **14**].
30 July 1984: South Africa: Manxeba windmill: TM: 4 [4 - **4** - **4**].
28 August 1984: South Africa: Anthrax camp: TM: 5 [5 - **5** - **5**].
29 August 1984: South Africa: Fig Tree Camp: TM: 8 [8 - **8** - **8**].
30 August 1984: South Africa: Culling camp: TM: 2 [2 - **2** - **2**].
31 August 1984: South Africa: Manditobe Dam: TM: 6 [6 - **6** - **6**].
3 September 1984: Tanzania: Arusha region: SMF: 1 [1] - Mbeya region: SMF: 1 [1 - **2** - **2**].
4 September 1984: South Africa: Skukuza lab buildings: TM: 10 [10] - Skukuza Town: TM: 1 [1 - **11** - **11**].
12 September 1984: South Africa: Aliwal North: NMB: 4 [4 - **4** - **4**].
20 September 1984: South Africa: Ladybrand Town: NMB: 1 [1 - **1** - **1**].
24 September 1984: South Africa: Fig Tree Camp: TM: 11 [11 - **11** - **11**].
25 September 1984: South Africa: Figtree Forest, downstream: TM: 12 [12 - **12** - **12**].
26 September 1984: South Africa: Manxeba windmill: TM: 7 [7 - **7** - **7**].
30 September 1984: South Africa: Skukuza lab buildings: TM: 7 [7 - **7** - **7**].
27 October 1984: South Africa: Old Culling camp: TM: 1 [1 - **1** - **1**].
29 October 1984: South Africa: Fig Tree Camp: TM: 5 [5 - **5** - **5**].
30 October 1984: South Africa: Fig Tree Camp: CM: 1, TM: 1 [2] - Fig Tree Camp, downstream left hand bank: TM: 1 [1] - Fig Tree Camp, left hand bank: TM: 10 [10] - Figtree Forest: TM: 2 [2 - **15** - **15**].
31 October 1984: South Africa: Figtree Forest: TM: 3 [3] - Manxeba windmill: TM: 1 [1 - **4** - **4**].
1 November 1984: South Africa: Manxeba windmill: TM: 2 [2 - **2**].
Tanzania: Morogoro region: SMF: 1 [1 - **1** - **3**].
2 November 1984: South Africa: Skukuza lab buildings: TM: 9 [9 - **9** - **9**].
5 November 1984: Namibia: Farm Zwartmodder 101: TM: 1 [1 - **1** - **1**].
9 November 1984: Namibia: Farm Otjikoko Sud 61 [Pipistrelle Cave]: TM: 3 [3 - **3** - **3**].
25 November 1984: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
26 November 1984: South Africa: Manxeba windmill: TM: 1 [1 - **1** - **1**].
27 November 1984: South Africa: Old Culling camp: TM: 8 [8 - **8** - **8**].
28 November 1984: South Africa: Manxeba windmill: TM: 13 [13 - **13** - **13**].
29 November 1984: South Africa: Fig Tree Camp: TM: 4 [4] - Manxeba windmill: TM: 1 [1 - **5** - **5**].
4 December 1984: South Africa: Skukuza lab buildings: TM: 4 [4 - **4** - **4**].
16 December 1984: South Africa: Gladstone's Nose [mountain]: TM: 1 [1] - Kamberg Nature Reserve: TM: 1 [1 - **2** - **2**].
17 December 1984: "Africa": Unknown locality: ZMA: 1 [1 - **1** - **1**].
1 January 1985: "Africa": Unknown locality: ZMA: 1 [1 - **1**].
Tanzania: Arusha region: SMF: 2 [2 - **2** - **3**].
30 January 1985: South Africa: St. Lucia Lake, eastern shores: TM: 1 [1 - **1** - **1**].
1 February 1985: South Africa: Old Picnic Site: TM: 3 [3 - **3** - **3**].
2 February 1985: South Africa: Culling camp: TM: 9 [9 - **9** - **9**].
3 February 1985: Tanzania: Pwani region: SMF: 3 [3 - **3** - **3**].
5 February 1985: South Africa: Figtree Forest: TM: 1 [1] - New Figtree Forest: TM: 2 [2 - **3** - **3**].
7 February 1985: South Africa: Manxeba windmill: TM: 2 [2 - **2** - **2**].
23 February 1985: Malawi: Zomba Plateau: BMNH: 1 [1 - **1** - **1**].
28 February 1985: South Africa: Skukuza lab buildings: TM: 1 [1 - **1** - **1**].
9 March 1985: South Africa: Giants Castle Game Reserve: TM: 1 [1 - **1** - **1**].
14 March 1985: South Africa: Barkly East: NMB: 3 [3 - **3** - **3**].
21 March 1985: Malawi: Zomba Plateau: BMNH: 1 [1 - **1** - **1**].
3 April 1985: South Africa: Jozini: TM: 1 [1 - **1** - **1**].
10 April 1985: South Africa: Fig Tree Camp: TM: 6 [6 - **6** - **6**].
11 April 1985: South Africa: New Figtree Forest: TM: 7 [7 - **7** - **7**].

12 April 1985: South Africa: Old Picnic Site: TM: 7 [7 - **7** - **7**].
13 April 1985: South Africa: Culling camp: TM: 2 [2 - **2** - **2**].
15 April 1985: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
17 April 1985: South Africa: Anthrax camp: TM: 3 [3 - **3** - **3**].
18 April 1985: South Africa: Barkly East: NMB: 1 [1 - **1** - **1**].
21 April 1985: Tanzania: Mbeya region: SMF: 2 [2 - **2** - **2**].
24 April 1985: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
2 May 1985: South Africa: New Figtree Forest: TM: 1 [1 - **1** - **1**].
1 June 1985: South Africa: Anthrax camp: TM: 2 [2 - **2** - **2**].
2 June 1985: South Africa: Fig Tree Camp: TM: 8 [8 - **8** - **8**].
4 June 1985: South Africa: Witsand Dam: TM: 8 [8 - **8** - **8**].
5 June 1985: Malawi: Liwonde National Park: BMNH: 1 [1 - **1**].
South Africa: Manxeba windmill: TM: 8 [8 - **8** - **9**].
13 June 1985: South Africa: Elliot: NMB: 2 [2 - **2** - **2**].
16 June 1985: South Africa: Northdene: DNSM: 1 [1 - **1** - **1**].
21 June 1985: Burkina Faso: Unknown locality: SMF: 2 [2 - **2** - **2**].
26 June 1985: South Africa: Shannon: NMB: 1 [1 - **1** - **1**].
16 July 1985: South Africa: Potchefstroom: NMB: 1 [1 - **1** - **1**].
24 August 1985: South Africa: Fig Tree Camp: TM: 1 [1] - Fig Tree Forest: TM: 3 [3] - Figtree Forest: TM: 1 [1 - **5** - **5**].
25 August 1985: South Africa: Old Picnic Site: TM: 3 [3 - **3** - **3**].
28 August 1985: South Africa: Maditobe Witsand Dam: TM: 3 [3 - **3** - **3**].
29 August 1985: South Africa: Manxeba windmill: TM: 1 [1 - **1**].
Tanzania: Mazumbai Forest Reserve: SMF: 1 [1 - **1** - **2**].
30 August 1985: South Africa: Fig Tree Camp: TM: 1 [1] - Figtree camp: TM: 2 [2 - **3** - **3**].
28 October 1985: South Africa: Ladybrand Town: NMB: 1 [1 - **1** - **1**].
3 November 1985: South Africa: Anthrax camp: TM: 1 [1 - **1** - **1**].
11 November 1985: South Africa: Elliot: NMB: 1 [1 - **1** - **1**].
21 November 1985: South Africa: Overport: DNSM: 1 [1 - **1** - **1**].
23 November 1985: South Africa: Pafuri area, Mockford's Garden: TM: 2 [2 - **2** - **2**].
24 November 1985: South Africa: Pafuri: TM: 4 [4 - **4** - **4**].
26 November 1985: Rwanda: Kibungo: SMF: 5 [5 - **5** - **5**].
27 November 1985: South Africa: Anthrax camp: TM: 1 [1 - **1** - **1**].
30 November 1985: Rwanda: Unknown locality: SMF: 1 [1] - Ruhengeri: SMF: 3 [3 - **4** - **4**].
3 December 1985: Congo (Democratic Republic of the): Unknown locality: RMNH: 1 [1 - **1**].
South Africa: Skukuza lab buildings: TM: 13 [13 - **13** - **14**].
12 December 1985: Kenya: Unknown locality: RMNH: 3 [3 - **3** - **3**].
18 December 1985: South Africa: Skukuza Town: TM: 14 [14 - **14**].
Zambia: Farm Xanadu: TM: 1 [1 - **1** - **15**].
4 January 1986: South Africa: St. Lucia Village: TM: 1 [1 - **1** - **1**].
13 January 1986: South Africa: Barkly East: NMB: 1 [1 - **1** - **1**].
8 February 1986: South Africa: Westmead: DNSM: 1 [1 - **1** - **1**].
13 February 1986: South Africa: Gloria: NMB: 2 [2 - **2** - **2**].
18 February 1986: South Africa: Albert Falls Public Resort: TM: 1 [1 - **1** - **1**].
19 February 1986: Kenya: Unknown locality: RMNH: 5 [5 - **5** - **5**].
20 February 1986: Kenya: Unknown locality: RMNH: 2 [2 - **2** - **2**].
10 March 1986: South Africa: Scottsburgh Golf Course: TM: 1 [1 - **1** - **1**].
11 March 1986: Tanzania: Tanga region: SMF: 5 [5 - **5** - **5**].
13 March 1986: South Africa: Dordrecht: NMB: 3 [3 - **3** - **3**].
2 April 1986: Kenya: Unknown locality: RMNH: 2 [2 - **2** - **2**].
8 April 1986: Kenya: Unknown locality: RMNH: 1 [1 - **1**].
South Africa: Jan Smit Steel Works, near: NMB: 1 [1 - **1** - **2**].
15 April 1986: Tanzania: Dar-Es-Salaam region: SMF: 1 [1 - **1** - **1**].
16 April 1986: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
25 April 1986: Kenya: Unknown locality: RMNH: 17 [17 - **17** - **17**].
10 May 1986: Tanzania: Arusha region: SMF: 1 [1 - **1** - **1**].
11 May 1986: South Africa: Pafuri area, Mockford's Garden: TM: 2 [2 - **2** - **2**].
22 July 1986: South Africa: Bellair: DNSM: 1 [1 - **1** - **1**].
31 July 1986: South Africa: Sterkstroom: NMB: 2 [2 - **2** - **2**].
2 August 1986: Tanzania: Arusha region: SMF: 1 [1 - **1** - **1**].
4 August 1986: Tanzania: Dar-Es-Salaam region: SMF: 1 [1 - **1** - **1**].
6 August 1986: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
11 August 1986: Zimbabwe: Kudzwe River, near: MNHN: 1 [1 - **1** - **1**].
17 August 1986: South Africa: Vredefort: NMB: 1 [1 - **1** - **1**].
4 September 1986: South Africa: Jamestown: NMB: 1 [1 - **1** - **1**].
12 September 1986: South Africa: Vredefort: NMB: 1 [1 - **1** - **1**].
17 September 1986: South Africa: Vredefort: NMB: 2 [2 - **2** - **2**].
2 October 1986: South Africa: Aliwal North: NMB: 3 [3 - **3** - **3**].
12 October 1986: South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: TM: 1 [1 - **1** - **1**].
20 October 1986: South Africa: Gwalali: TM: 2 [2] - New Figtree Forest: TM: 1 [1 - **3** - **3**].
21 October 1986: South Africa: Gwalali: TM: 2 [2 - **2** - **2**].
4 November 1986: South Africa: Elim Hospital: TM: 1 [1 - **1** - **1**].
18 November 1986: South Africa: Winburg [Exelsior]: NMB: 13 [13 - **13** - **13**].
4 December 1986: South Africa: Dordrecht: NMB: 3 [3 - **3** - **3**].
10 December 1986: South Africa: Lindley: NMB: 1 [1 - **1** - **1**].
18 December 1986: South Africa: N2 crosses Umhlanga River: TM: 1 [1 - **1** - **1**].
1 January 1987: Sudan: Khartoum state: SMF: 6 [6] - Sennar state: SMF: 9 [9 - **15** - **15**].

15 January 1987: South Africa: Maclear: NMB: 2 [2 - **2** - **2**].
9 February 1987: Kenya: Unknown locality: RMNH: 2 [2 - **2** - **2**].
10 February 1987: Kenya: Unknown locality: RMNH: 14 [14 - **14** - **14**].
11 February 1987: Congo (Democratic Republic of the): Thysville: RBINS: 37 [37 - **37**].
Kenya: Unknown locality: RMNH: 10 [10 - **10** - **47**].
15 February 1987: Kenya: Unknown locality: RMNH: 3 [3 - **3** - **3**].
18 February 1987: South Africa: Fig Tree Camp: TM: 1 [1] - Maclear: NMB: 6 [6 - **7** - **7**].
19 February 1987: South Africa: Maclear: NMB: 1 [1 - **1** - **1**].
18 March 1987: South Africa: New Muckleneuk: TM: 1 [1 - **1** - **1**].
25 March 1987: South Africa: Maclear: NMB: 2 [2 - **2** - **2**].
26 March 1987: South Africa: Maclear: NMB: 6 [6 - **6** - **6**].
1 April 1987: South Africa: Charter's Creek: TM: 1 [1 - **1** - **1**].
4 April 1987: Tanzania: Unknown locality: SMF: 2 [2 - **2** - **2**].
14 April 1987: South Africa: Zastron: NMB: 42 [42 - **42** - **42**].
26 April 1987: South Africa: Maclear: NMB: 1 [1] - Ngome Forest Reserve: TM: 1 [1 - **2** - **2**].
28 April 1987: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
29 April 1987: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
30 April 1987: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
8 May 1987: South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: TM: 1 [1 - **1** - **1**].
20 May 1987: South Africa: Ficksburg: NMB: 8 [8 - **8** - **8**].
16 June 1987: South Africa: Mpila Trails Store: TM: 1 [1 - **1** - **1**].
4 July 1987: Tanzania: Kagera region: SMF: 1 [1 - **1** - **1**].
5 July 1987: Tanzania: Kagera region: SMF: 1 [1 - **1** - **1**].
8 July 1987: Tanzania: Kagera region: SMF: 1 [1 - **1** - **1**].
9 July 1987: Tanzania: Kagera region: SMF: 1 [1 - **1** - **1**].
10 July 1987: South Africa: Ziqhumene: TM: 1 [1 - **1**].
Tanzania: Kagera region: SMF: 1 [1 - **1** - **2**].
15 July 1987: Botswana: Okovango River Lodge: TM: 1 [1 - **1** - **1**].
24 July 1987: Tanzania: Dar-Es-Salaam region: SMF: 1 [1 - **1** - **1**].
9 August 1987: South Africa: Cape Vidal: TM: 1 [1] - Hazelmere Dam: TM: 1 [1 - **2** - **2**].
23 August 1987: South Africa: St. Lucia: TM: 1 [1 - **1** - **1**].
30 August 1987: South Africa: Umgeni Fish Hatchery: TM: 1 [1 - **1** - **1**].
1 September 1987: South Africa: Cape Vidal: DNSM: 1 [1 - **1** - **1**].
13 September 1987: South Africa: Shongweni Dam: DNSM: 2 [2 - **2** - **2**].
15 September 1987: Egypt: Unknown locality: SMF: 4 [4 - **4** - **4**].
20 September 1987: Kenya: Unknown locality: RMNH: 3 [3 - **3** - **3**].
1 October 1987: Tanzania: Unknown locality: SMF: 3 [3 - **3** - **3**].
5 October 1987: South Africa: Farm "Clearwater": TM: 1 [1 - **1** - **1**].
21 October 1987: South Africa: Boshof: NMB: 1 [1 - **1** - **1**].
27 October 1987: South Africa: Bloemfontein: NMB: 31 [31 - **31** - **31**].
29 October 1987: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 4 [4 - **4** - **4**].
6 November 1987: South Africa: Farm Hartebeesthoek: TM: 1 [1 - **1** - **1**].
1 December 1987: South Africa: Futululu Research Station: DNSM: 2 [2 - **2** - **2**].
2 December 1987: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].
4 December 1987: South Africa: St. Lucia: DNSM: 1 [1 - **1** - **1**].
11 December 1987: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
19 December 1987: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
1 January 1988: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1**].
Sudan: Sennar state: SMF: 4 [4 - **4** - **5**].
2 January 1988: South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: TM: 1 [1 - **1** - **1**].
3 January 1988: South Africa: St. Lucia Village: TM: 1 [1 - **1** - **1**].
15 January 1988: South Africa: St. Lucia Village: TM: 2 [2 - **2** - **2**].
17 January 1988: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
19 January 1988: South Africa: Bobomene Research Camp: TM: 1 [1 - **1** - **1**].
21 January 1988: South Africa: Maditobe [= Witsand] Dam: TM: 1 [1 - **1** - **1**].
22 January 1988: South Africa: Bobomene Research Camp: TM: 1 [1 - **1** - **1**].
24 January 1988: South Africa: Old Picnic Site: TM: 5 [5 - **5** - **5**].
25 January 1988: South Africa: Letaba Camp, 1 km SE: TM: 4 [4 - **4** - **4**].
26 January 1988: South Africa: Letaba Rest Camp: TM: 4 [4] - Olifants Camp, 7 km W: TM: 5 [5 - **9** - **9**].
27 January 1988: South Africa: Farm Klipfontein 54JS: TM: 1 [1] - Kranskloof Nature Reserve: TM: 1 [1 - **2** - **2**].
29 January 1988: South Africa: Letaba Rest Camp, 8 km SE: TM: 3 [3 - **3** - **3**].
30 January 1988: South Africa: Nwanedzi River, old bridge over: TM: 5 [5 - **5** - **5**].
1 February 1988: South Africa: Nwanedzi Camp, dam 1 km NWN: TM: 5 [5] - Satara Rest Camp: TM: 2 [2 - **7** - **7**].
2 February 1988: South Africa: Nwanedzi Camp, dam 1 km NWN: TM: 1 [1] - Satara Rest Camp: TM: 10 [10 - **11** - **11**].
3 February 1988: South Africa: Roodevaal Private Camp, 2 km SE: TM: 3 [3 - **3** - **3**].
5 February 1988: South Africa: Sabie River, north bank: TM: 2 [2 - **2** - **2**].
6 February 1988: South Africa: Loskop Windmill, 17 km N: TM: 2 [2 - **2** - **2**].
7 February 1988: South Africa: Renosterkoppies, 15 km S: TM: 4 [4 - **4** - **4**].
10 February 1988: South Africa: Sabie River, north bank: TM: 3 [3] - Tshokwane picnic spot, 12 km E: TM: 1 [1 - **4** - **4**].
11 February 1988: South Africa: Kuruman: MMK: 1 [1 - **1** - **1**].
13 February 1988: South Africa: Lower Sabie Rest Camp, 15 km SE: TM: 1 [1] - Skukuza, 1.5 km NW: TM: 3 [3 - **4** - **4**].
14 February 1988: South Africa: Kruger Gate bridge: TM: 13 [13 - **13** - **13**].
15 February 1988: South Africa: Thornhill Farm 171 JU, Figaro mine: TM: 4 [4 - **4** - **4**].
24 February 1988: South Africa: Queen Elizabeth Park: TM: 1 [1 - **1** - **1**].
26 February 1988: South Africa: Waterberg, Lapalala Wilderness area: TM: 1 [1 - **1** - **1**].
29 February 1988: South Africa: Futululu Research Station: TM: 1 [1 - **1** - **1**].

9 March 1988: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
10 March 1988: Namibia: in Villa...: TM: 1 [1 - **1**].
South Africa: Dukuduku Forest: TM: 3 [3 - **3** - **4**].
12 March 1988: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
14 March 1988: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
15 March 1988: Namibia: Nama pan [=Nama dam]: TM: 1 [1 - **1** - **1**].
20 March 1988: South Africa: Otto's Bluff Farm: TM: 1 [1 - **1** - **1**].
25 March 1988: South Africa: Kruger Gate bridge: TM: 12 [12 - **12** - **12**].
2 April 1988: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
4 April 1988: South Africa: Ficksburg: NMB: 2 [2 - **2** - **2**].
27 April 1988: South Africa: Kruger Gate bridge: TM: 15 [15 - **15** - **15**].
30 April 1988: South Africa: Voelklip, 7th Street: TM: 1 [1 - **1** - **1**].
15 May 1988: South Africa: Vhembi,junction of Shashe and Limpopo: TM: 1 [1 - **1** - **1**].
23 May 1988: South Africa: Bellair: DNSM: 1 [1 - **1** - **1**].
25 May 1988: South Africa: Krantzkloof Nature Reserve: DNSM: 1 [1 - **1** - **1**].
27 May 1988: South Africa: Kruger Gate bridge: TM: 8 [8 - **8** - **8**].
30 May 1988: South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: TM: 1 [1 - **1** - **1**].
1 June 1988: South Africa: Kruger Gate bridge: TM: 3 [3 - **3** - **3**].
10 June 1988: South Africa: Dukuduku Forest: TM: 1 [1 - **1** - **1**].
25 June 1988: South Africa: Skukuza Village: TM: 13 [13 - **13** - **13**].
28 June 1988: South Africa: Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].
24 July 1988: South Africa: Skukuza Town: TM: 1 [1] - Skukuza Village: TM: 7 [7 - **8** - **8**].
25 July 1988: South Africa: Zastron: NMB: 32 [32 - **32** - **32**].
7 August 1988: Tanzania: Shinyanga region: SMF: 1 [1 - **1** - **1**].
21 August 1988: South Africa: Kruger Gate bridge: TM: 7 [7 - **7** - **7**].
30 August 1988: South Africa: Kruger Gate bridge: TM: 6 [6 - **6** - **6**].
1 September 1988: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].
5 September 1988: South Africa: Bethlehem: NMB: 1 [1] - Ficksburg: NMB: 3 [3] - Schaapplaats, Farm 930: NMB: 1 [1 - **5** - **5**].
6 September 1988: South Africa: Bethlehem: NMB: 1 [1] - Schaapplaats, Farm 930: NMB: 5 [5] - Spioenkop Nature Reserve: TM: 1 [1 - **7** - **7**].
25 September 1988: South Africa: Kruger Gate bridge: TM: 8 [8 - **8** - **8**].
2 October 1988: South Africa: Dukuduku Forest Station: TM: 2 [2 - **2** - **2**].
3 October 1988: South Africa: Dukuduku Forest Station: TM: 3 [3 - **3** - **3**].
5 October 1988: South Africa: Dukuduku Forest Station: TM: 4 [4 - **4** - **4**].
6 October 1988: South Africa: Dukuduku Forest Station: TM: 5 [5 - **5** - **5**].
8 October 1988: South Africa: Dukuduku Forest Station: TM: 2 [2 - **2**].
Swaziland: Forbes Reef mine: TM: 1 [1 - **1** - **3**].
16 October 1988: South Africa: Kosi Lake, Department of Health camp: TM: 2 [2 - **2** - **2**].
20 October 1988: South Africa: Kosi Lake, Department of Health camp: TM: 1 [1 - **1** - **1**].
21 October 1988: South Africa: Kosi Lake, Department of Health camp: TM: 1 [1 - **1** - **1**].
24 October 1988: South Africa: Kruger Gate bridge: TM: 15 [15 - **15** - **15**].
25 October 1988: South Africa: Ladybrand Commonage: NMB: 9 [9 - **9** - **9**].
9 November 1988: South Africa: Blyderivierspoort Nature Reserve, Bourkes Luck: TM: 1 [1 - **1** - **1**].
10 November 1988: South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp, Albatros: TM: 1 [1] - Kabusi Forest: TM: 1 [1 - **2** - **2**].
11 November 1988: South Africa: Kabusi Forest: TM: 1 [1 - **1** - **1**].
17 November 1988: South Africa: Kruger Gate bridge: TM: 14 [14] - Westville: DNSM: 1 [1 - **15** - **15**].
21 November 1988: Lesotho: Sehlabathebe-NP: KM: 1, NMB: 2 [3] - Sehlabathebe-NP, small dam: NMB: 8 [8 - **11** - **11**].
25 November 1988: South Africa: De Hoop Nature Reserve, De Hoop Guano Cave: TM: 3 [3 - **3** - **3**].
2 December 1988: South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: TM: 1 [1 - **1** - **1**].
5 December 1988: South Africa: Farm Brakfontein, Koegelbeen Cave: TM: 22 [22 - **22** - **22**].
29 December 1988: South Africa: Kruger Gate bridge: TM: 12 [12 - **12** - **12**].
1 January 1989: Cameroon: Unknown locality: ZMA: 1 [1 - **1**].
Tanzania: Lindi region: SMF: 1 [1] - Pwani region: SMF: 1 [1 - **2** - **3**].
2 February 1989: Zimbabwe: Iron Mask Hills cave: TM: 1 [1 - **1** - **1**].
3 February 1989: Zimbabwe: Chinhoyi Caves: DNSM: 2 [2 - **2** - **2**].
9 February 1989: Zimbabwe: Nyanyana campsite: TM: 1 [1 - **1** - **1**].
10 February 1989: Lesotho: Mokhotlong: NMB: 27 [27] - Nkokomele, near: NMB: 3 [3 - **30**].
Zimbabwe: Mazoe Citrus Estate: TM: 2 [2 - **2** - **32**].
11 February 1989: South Africa: Farm Klipfontein 407, Echo caves: TM: 1 [1 - **1** - **1**].
16 February 1989: South Africa: Loskop Dam Nature Reserve: TM: 1 [1 - **1** - **1**].
25 February 1989: South Africa: St. Lucia: DNSM: 1 [1 - **1** - **1**].
28 February 1989: South Africa: Howick: DNSM: 1 [1 - **1** - **1**].
17 April 1989: Lesotho: Pelaneng: NMB: 1 [1 - **1**].
Zambia: Chirundu: WAM: 2 [2 - **2** - **3**].
19 April 1989: Zambia: Chirundu: WAM: 3 [3 - **3** - **3**].
20 April 1989: Zambia: Chirundu: WAM: 3 [3] - Chisakila Area: WAM: 5 [5 - **8** - **8**].
21 April 1989: Zambia: Chirundu: WAM: 1 [1 - **1** - **1**].
22 April 1989: Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: WAM: 5 [5 - **5** - **5**].
23 April 1989: Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: WAM: 3 [3 - **3** - **3**].
24 April 1989: Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: WAM: 3 [3 - **3** - **3**].
25 April 1989: Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: WAM: 2 [2 - **2** - **2**].
26 April 1989: Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: WAM: 2 [2 - **2** - **2**].
27 April 1989: Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: WAM: 2 [2 - **2** - **2**].
28 April 1989: Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: WAM: 3 [3 - **3** - **3**].
29 April 1989: Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: WAM: 1 [1 - **1** - **1**].

1 May 1989: Zambia: Chirundu: WAM: 3 [3 - **3** - **3**].
2 May 1989: Zambia: Chirundu: WAM: 1 [1 - **1** - **1**].
3 May 1989: Zambia: Chirundu: WAM: 1 [1 - **1** - **1**].
4 May 1989: Zambia: Chirundu: WAM: 1 [1 - **1** - **1**].
24 May 1989: South Africa: Pietermaritzburg, Chase Valley Heights: DNSM: 1 [1 - **1** - **1**].
15 June 1989: Tanzania: Dar-Es-Salaam region: SMF: 3 [3 - **3** - **3**].
16 June 1989: South Africa: Hans Merensky Nature Reserve: TM: 1 [1 - **1** - **1**].
28 June 1989: South Africa: Shongweni Polo Club: DNSM: 1 [1 - **1** - **1**].
3 July 1989: Mozambique: Villa Moatize, 17 km E: TM: 1 [1 - **1** - **1**].
27 July 1989: Tanzania: Uhafiwa Luhega Forest: SMF: 1 [1 - **1** - **1**].
11 August 1989: Congo (Democratic Republic of the): Unknown locality: SMF: 2 [2] - Kivu region: SMF: 14 [14 - **16** - **16**].
25 August 1989: South Africa: Koegelbeen Caves: NMB: 75 [75 - **75** - **75**].
26 September 1989: South Africa: Zastron Commonage: NMB: 3 [3] - Zastron Commons: NMB: 1 [1 - **4** - **4**].
27 September 1989: South Africa: Bluff: DNSM: 1 [1 - **1** - **1**].
28 September 1989: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 2 [2 - **2** - **2**].
1 October 1989: South Africa: Figaro Mine: TM: 10 [10 - **10** - **10**].
8 October 1989: Zambia: Unknown locality: SMF: 1 [1 - **1** - **1**].
11 October 1989: Zambia: Unknown locality: SMF: 2 [2 - **2** - **2**].
16 October 1989: Zambia: Unknown locality: SMF: 1 [1 - **1** - **1**].
17 October 1989: Lesotho: Maseru: NMB: 4 [4 - **4** - **4**].
18 October 1989: Lesotho: Maseru: NMB: 6 [6 - **6** - **6**].
19 October 1989: Lesotho: Maseru: NMB: 5 [5] - Thaba Tseka: NMB: 1 [1 - **6** - **6**].
20 October 1989: Lesotho: Thaba Tseka: NMB: 1 [1 - **1** - **1**].
21 October 1989: South Africa: WCNP, Bottelary: TM: 1 [1 - **1** - **1**].
22 October 1989: South Africa: WCNP, Bottelary: TM: 1 [1 - **1** - **1**].
24 October 1989: Mozambique: Bazaruto Lodge: TM: 2 [2 - **2** - **2**].
25 October 1989: South Africa: Ladybrand Commonage: NMB: 4 [4 - **4** - **4**].
7 November 1989: South Africa: Brooklyn: TM: 1 [1 - **1** - **1**].
17 November 1989: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
18 November 1989: Tanzania: Matumbi: AMS: 1 [1 - **1** - **1**].
20 November 1989: Tanzania: Pwani region: SMF: 2 [2 - **2** - **2**].
22 November 1989: South Africa: Songimvelo Nature Reserve: DNSM: 3 [3 - **3** - **3**].
26 November 1989: South Africa: Nylsvlei Provincal Nature Reserve: TM: 1 [1 - **1**].
Tanzania: Pwani region: SMF: 1 [1 - **1** - **2**].
29 November 1989: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
4 December 1989: South Africa: Sinoville: TM: 1 [1 - **1** - **1**].
11 December 1989: South Africa: Jagersfontein: NMB: 1 [1 - **1** - **1**].
27 December 1989: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1** - **1**].
1 January 1990: Madagascar: Itaranta: USNM: 2 [2 - **2**].
Tanzania: Arusha region: SMF: 1 [1 - **1** - **3**].
9 January 1990: South Africa: Zastron: NMB: 1 [1 - **1** - **1**].
17 January 1990: South Africa: Belfast Town: NMB: 1 [1 - **1** - **1**].
20 January 1990: South Africa: Farm Faust 743: TM: 10 [10] - Sabie river bank: TM: 1 [1 - **11**].
Zimbabwe: Sentinal Ranch: TM: 1 [1 - **1** - **12**].
23 January 1990: South Africa: Durban CBD: DNSM: 1 [1] - Jagersfontein Commonage: NMB: 4 [4 - **5** - **5**].
29 January 1990: South Africa: Sterkfontein dam: NMB: 1 [1 - **1** - **1**].
1 February 1990: Tanzania: Pwani region: SMF: 2 [2 - **2** - **2**].
6 February 1990: South Africa: Clocolan [Excelsior]: NMB: 12 [12 - **12** - **12**].
9 February 1990: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
10 February 1990: Zimbabwe: Sentinal Ranch: TM: 1 [1 - **1** - **1**].
11 February 1990: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
12 February 1990: South Africa: Farm Waterval 747: NMB: 13 [13] - Harrismith [Warden]: NMB: 15 [15] - Jagersfontein Commonage: NMB: 13 [13] - Warden: NMB: 5 [5 - **46** - **46**].
14 February 1990: South Africa: Spioenkop Dam: DNSM: 2 [2] - Spioenkop Nature Reserve: DNSM: 1 [1 - **3** - **3**].
15 February 1990: South Africa: Jagersfontein Commonage: NMB: 1 [1 - **1** - **1**].
16 February 1990: South Africa: Jagersfontein Commonage: NMB: 42 [42 - **42**].
Tanzania: Pwani region: SMF: 1 [1 - **1** - **43**].
27 February 1990: South Africa: Spioenkop Nature Reserve: DNSM: 1 [1 - **1** - **1**].
28 February 1990: South Africa: Entabeni State Forest: TM: 1 [1 - **1** - **1**].
2 March 1990: South Africa: Buzzard Mountain Sanctuary: TM: 2 [2 - **2** - **2**].
7 March 1990: South Africa: EKZN Wildlfe Headquarters: DNSM: 1 [1 - **1** - **1**].
27 March 1990: Burundi: Kibira National Park: FMNH: 1 [1 - **1** - **1**].
4 April 1990: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
19 April 1990: Uganda: Kalangala: FMNH: 1 [1 - **1** - **1**].
23 April 1990: Uganda: Kalangala, 1.0 km N, 0.5 km E: FMNH: 1 [1 - **1** - **1**].
3 May 1990: South Africa: Grootvadersbosch Forest Reserve: TM: 1 [1 - **1** - **1**].
6 May 1990: South Africa: Sudwala Cave: TM: 1 [1 - **1** - **1**].
7 May 1990: Malawi: Chitipa Township: TM: 1 [1 - **1** - **1**].
8 May 1990: South Africa: Iphiva Camp: DNSM: 2 [2 - **2** - **2**].
14 May 1990: South Africa: St. Lucia: DNSM: 1 [1 - **1** - **1**].
15 May 1990: South Africa: St. Lucia: DNSM: 4 [4 - **4** - **4**].
17 May 1990: Malawi: Liwonde National Park, Headquaters: TM: 3 [3 - **3** - **3**].
18 May 1990: Malawi: Liwonde National Park, Headquaters: TM: 2 [2 - **2** - **2**].
20 May 1990: Malawi: Likabula mission: TM: 2 [2 - **2** - **2**].
21 May 1990: Malawi: Likabula mission: TM: 2 [2 - **2** - **2**].
22 May 1990: Malawi: Likabula mission: TM: 3 [3 - **3** - **3**].

23 May 1990: Malawi: Likabula mission: TM: 2 [2 - **2** - **2**].
25 June 1990: South Africa: Ntabamnyama section: DNSM: 1 [1 - **1** - **1**].
1 July 1990: Zimbabwe: Mana Pools National Park: TM: 2 [2] - Mana Pools-NP: TM: 1 [1 - **3** - **3**].
10 August 1990: Nigeria: Kano state: SMF: 1 [1 - **1** - **1**].
30 August 1990: Nigeria: Bauchi state: SMF: 2 [2] - Yankari Game Reserve: SMF: 1 [1 - **1** - **2** - **1**]. - **2**].
9 September 1990: Zimbabwe: Matusadona National Park: DNSM: 1 [1 - **1** - **1**].
15 September 1990: Kenya: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 September 1990: Nigeria: Gwarzo: SMF: 1 [1] - Kaduna state: SMF: 15 [15 - **1** - **15** - **1**]. - **15**].
1 October 1990: South Africa: Boshof: NMB: 19 [19 - **19** - **19**].
8 October 1990: South Africa: Bloemfontein: NMB: 1 [1 - **1** - **1**].
22 October 1990: South Africa: Bobomeni research camp [=Bobomene]: TM: 1 [1 - **1** - **1**].
23 October 1990: South Africa: Fig Tree Camp: TM: 1 [1] - Old Fig Tree Forest: TM: 2 [2 - **3** - **3**].
28 October 1990: South Africa: Ararat, Sterkfontein Dam Nature Reserve: NMB: 1 [1] - Harrismith: NMB: 9 [9 - **10** - **10**].
18 November 1990: South Africa: Point Caravan Park: DNSM: 1 [1] - Port Edward: DNSM: 2 [2 - **3** - **3**].
27 November 1990: South Africa: Golden Gate: NMB: 1 [1] - Wonderhoek se kloof: NMB: 7 [7 - **8** - **8**].
28 November 1990: South Africa: Harrismith: NMB: 15 [15] - Mount Pierre se Kloof: NMB: 3 [3 - **18** - **18**].
1 January 1991: South Africa: Morningside: DNSM: 1 [1 - **1**].
Sudan: Khartoum state: SMF: 3 [3 - **3**].
Tanzania: Ruvuma region: SMF: 2 [2 - **2** - **6**].
19 January 1991: South Africa: Skukuza: TM: 6 [6] - Skukuza lab buildings: TM: 1 [1 - **7** - **7**].
21 January 1991: South Africa: Sabie river bank: TM: 1 [1 - **1** - **1**].
1 February 1991: Mauritius: Rodrigues Island: NMR: 1 [1 - **1**].
South Africa: Farm Schulpfontien No.472, 16km NW: TM: 1 [1 - **1** - **2**].
2 February 1991: South Africa: Farm Schulpfontien No.472, 16km NW: TM: 1 [1 - **1** - **1**].
4 February 1991: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
6 February 1991: South Africa: Goegap Nature Reserve: TM: 1 [1 - **1** - **1**].
11 February 1991: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
21 February 1991: South Africa: Umgeni Fish Hatchery: DNSM: 1 [1 - **1** - **1**].
26 February 1991: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
8 March 1991: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
11 March 1991: Tanzania: Pwani region: SMF: 2 [2 - **2** - **2**].
14 March 1991: South Africa: Kranzkloof Nature Reserve: DNSM: 1 [1 - **1** - **1**].
15 March 1991: South Africa: Kranzkloof Nature Reserve: DNSM: 1 [1 - **1** - **1**].
18 April 1991: South Africa: Mission Rocks: DNSM: 3 [3 - **3** - **3**].
1 May 1991: Sudan: Khartoum state: SMF: 1 [1 - **1** - **1**].
3 May 1991: South Africa: De Hoek Forest Station: TM: 1 [1 - **1** - **1**].
1 June 1991: Sudan: Khartoum state: SMF: 1 [1 - **1** - **1**].
27 June 1991: South Africa: Zastron: NMB: 1 [1 - **1** - **1**].
1 July 1991: Sudan: Khartoum state: SMF: 1 [1 - **1**].
Tanzania: Lindi region: SMF: 1 [1 - **1** - **2**].
3 July 1991: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
6 July 1991: South Africa: New Germany: DNSM: 1 [1 - **1** - **1**].
14 July 1991: Congo (Democratic Republic of the): Epulu, 2 km W: FMNH: 1 [1 - **1** - **1**].
25 July 1991: South Africa: Kloof: DNSM: 1 [1 - **1** - **1**].
2 August 1991: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
12 August 1991: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
14 August 1991: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
21 August 1991: South Africa: Pongolapoort Dam: TM: 1 [1 - **1** - **1**].
22 August 1991: Tanzania: Tanga region: SMF: 3 [3 - **3** - **3**].
28 August 1991: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
29 August 1991: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
1 September 1991: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
4 September 1991: Tanzania: Mkwaja Ranch Forests: SMF: 1 [1 - **1** - **1**].
6 September 1991: Tanzania: Kilimanjaro region: SMF: 1 [1 - **1** - **1**].
7 September 1991: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
10 September 1991: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
22 September 1991: Madagascar: Toliara province: SMF: 1 [1 - **1** - **1**].
28 September 1991: Tanzania: Kilimanjaro region: SMF: 1 [1 - **1** - **1**].
16 October 1991: Lesotho: Thaba-Tseka: NMB: 3 [3 - **3** - **3**].
26 October 1991: South Africa: Shongweni Dam: DNSM: 4 [4 - **4**].
Tanzania: Tanga region: SMF: 1 [1 - **1** - **5**].
29 October 1991: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
1 November 1991: South Africa: Albert Falls Resource Reserve: DNSM: 2 [2 - **2** - **2**].
6 November 1991: South Africa: Shepstone Nature Reserve: DNSM: 2 [2 - **2** - **2**].
11 November 1991: Lesotho: Quthing: NMB: 1 [1 - **1** - **1**].
12 November 1991: Lesotho: Quthing: NMB: 1 [1 - **1** - **1**].
13 November 1991: Lesotho: Quthing: NMB: 1 [1 - **1** - **1**].
23 November 1991: Madagascar: Toliara province: SMF: 1 [1 - **1** - **1**].
27 November 1991: Madagascar: Toliara province: SMF: 1 [1 - **1** - **1**].
3 December 1991: Madagascar: Unknown locality: SMF: 2 [2 - **2** - **2**].
6 December 1991: South Africa: Mount Moreland: DNSM: 1 [1 - **1** - **1**].
12 December 1991: Lesotho: Semonkong: NMB: 20 [20 - **20** - **20**].
1 January 1992: Tanzania: Unknown locality: SMF: 2 [2] - Morogoro region: SMF: 1 [1 - **3** - **3**].
2 January 1992: South Africa: Queen Elizabeth Park: DNSM: 1 [1 - **1** - **1**].
25 January 1992: South Africa: Howick: DNSM: 1 [1 - **1** - **1**].
26 January 1992: South Africa: Luckhoff: NMB: 2 [2 - **2** - **2**].

27 January 1992: South Africa: Lotheni Nature Reserve: DNSM: 5 [5 - **5**].
Tanzania: Tongwe Forest Reserve: SMF: 1 [1 - **1** - **6**].
29 January 1992: Lesotho: Quacha's Neck [= White Hill]: NMB: 3 [3 - **3**].
South Africa: Lotheni Nature Reserve: DNSM: 9 [9 - **9** - **12**].
5 February 1992: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
6 February 1992: South Africa: Bellair: DNSM: 1 [1 - **1** - **1**].
14 February 1992: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
20 February 1992: Lesotho: Oxbow: NMB: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 1 [1 - **1** - **2**].
21 February 1992: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
23 February 1992: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
26 February 1992: South Africa: Garden Castle Nature Reserve: DNSM: 2 [2 - **2** - **2**].
1 March 1992: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
5 March 1992: Lesotho: Sehonghong: NMB: 2 [2 - **2** - **2**].
6 March 1992: South Africa: Park Rynie: DNSM: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 1 [1 - **1** - **2**].
10 March 1992: Lesotho: Sehonghong: NMB: 2 [2 - **2** - **2**].
12 March 1992: Liberia: Unknown locality: SMF: 2 [2 - **2** - **2**].
13 March 1992: South Africa: Skukuza Staff Picnic site: TM: 3 [3 - **3** - **3**].
15 March 1992: South Africa: Garden Castle Nature Reserve: DNSM: 1 [1 - **1** - **1**].
17 March 1992: South Africa: Skukuza: TM: 3 [3 - **3** - **3**].
18 March 1992: Liberia: Unknown locality: SMF: 2 [2 - **2** - **2**].
22 March 1992: Liberia: Unknown locality: SMF: 1 [1 - **1**].
Tanzania: Morogoro region: SMF: 1 [1 - **1** - **2**].
3 April 1992: Congo (Democratic Republic of the): Karambi: ZMA: 1 [1 - **1** - **1**].
4 April 1992: South Africa: Trompburg town: NMB: 1 [1 - **1** - **1**].
1 May 1992: South Africa: Clairwood Park: DNSM: 1 [1 - **1** - **1**].
6 May 1992: South Africa: Jacobsdal: NMB: 1 [1 - **1** - **1**].
27 May 1992: South Africa: Glenashley: DNSM: 1 [1 - **1** - **1**].
1 July 1992: South Africa: St. Lucia Forest Station: DNSM: 1 [1 - **1** - **1**].
4 July 1992: Tanzania: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 July 1992: South Africa: Nylsvlei Provincal Nature Reserve: TM: 1 [1 - **1** - **1**].
24 July 1992: Tanzania: Lindi region: SMF: 1 [1 - **1** - **1**].
25 July 1992: South Africa: Lister Point Camp: DNSM: 3 [3 - **3** - **3**].
26 July 1992: South Africa: Lister Point Camp: DNSM: 1 [1 - **1** - **1**].
28 July 1992: South Africa: Lister Point Camp: DNSM: 5 [5 - **5** - **5**].
30 July 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
1 August 1992: Tanzania: Kigoma region: SMF: 1 [1] - Morogoro region: SMF: 1 [1 - **2** - **2**].
2 August 1992: Madagascar: Mahajanga province: SMF: 2 [2 - **2** - **2**].
4 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
5 August 1992: Tanzania: Lindi region: SMF: 3 [3 - **3** - **3**].
7 August 1992: Tanzania: Lindi region: SMF: 1 [1 - **1** - **1**].
11 August 1992: Tanzania: Lindi region: SMF: 1 [1 - **1** - **1**].
12 August 1992: South Africa: Orange River Station: NMB: 1 [1 - **1** - **1**].
13 August 1992: Madagascar: Unknown locality: SMF: 1 [1 - **1** - **1**].
17 August 1992: Madagascar: Unknown locality: SMF: 1 [1 - **1** - **1**].
30 August 1992: Tanzania: Lindi region: SMF: 1 [1 - **1** - **1**].
5 September 1992: Tanzania: Lindi region: SMF: 1 [1 - **1** - **1**].
8 September 1992: Tanzania: Lindi region: SMF: 1 [1 - **1** - **1**].
17 September 1992: South Africa: Hanover: NMB: 3 [3 - **3** - **3**].
20 October 1992: Lesotho: Botsoela [= Malealea]: NMB: 1 [1 - **1** - **1**].
21 October 1992: Lesotho: Botsoela [= Malealea]: NMB: 1 [1 - **1**].
South Africa: Baviaanspoort Sewage Works: TM: 2 [2 - **2** - **3**].
1 November 1992: South Africa: Glenhills: DNSM: 1 [1] - Royal Natal National Park: DNSM: 1 [1 - **2** - **2**].
10 November 1992: South Africa: Weenen Nature Reserve: DNSM: 1 [1 - **1** - **1**].
15 November 1992: South Africa: Weenen Nature Reserve: DNSM: 1 [1 - **1** - **1**].
18 November 1992: South Africa: Royal Natal National Park: DNSM: 1 [1 - **1** - **1**].
20 November 1992: South Africa: Royal Natal National Park: DNSM: 2 [2 - **2** - **2**].
23 November 1992: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
3 December 1992: Cameroon: Campo National Park: MNHN: 2 [2 - **2** - **2**].
9 December 1992: South Africa: Shongweni Dam: DNSM: 1 [1 - **1** - **1**].
10 December 1992: South Africa: Shongweni Dam: DNSM: 1 [1 - **1** - **1**].
12 December 1992: South Africa: Shongweni Dam: DNSM: 4 [4 - **4** - **4**].
27 December 1992: South Africa: Three Rivers,11 Spey Drive: TM: 1 [1 - **1** - **1**].
19 February 1993: South Africa: Glenhills: DNSM: 1 [1] - Glenwood: DNSM: 1 [1 - **2**].
Tanzania: Unknown locality: SMF: 1 [1 - **1** - **3**].
20 February 1993: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
23 February 1993: South Africa: Doorndraai Dam Nature Reserve: TM: 1 [1 - **1** - **1**].
24 February 1993: South Africa: Doorndraai Dam Nature Reserve: TM: 1 [1 - **1** - **1**].
9 March 1993: South Africa: Enseleni Nature Reserve: DNSM: 2 [2 - **2** - **2**].
10 March 1993: South Africa: Enseleni Nature Reserve: DNSM: 1 [1 - **1** - **1**].
12 March 1993: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].
14 March 1993: South Africa: Messina Nature Reserve, banks of the Sand River: TM: 1 [1 - **1** - **1**].
15 March 1993: South Africa: Messina Nature Reserve, banks of the Sand River: TM: 1 [1 - **1** - **1**].
19 March 1993: South Africa: Percy Fyfe Nature Reserve: TM: 1 [1 - **1** - **1**].
5 April 1993: South Africa: Queen Elizabeth Park: DNSM: 1 [1 - **1** - **1**].

13 April 1993: South Africa: Hillcrest: DNSM: 1 [1 - **1** - **1**].
28 June 1993: South Africa: Soekmekaar, Groenbult: TM: 1 [1 - **1** - **1**].
12 July 1993: South Africa: Glenwood: DNSM: 1 [1 - **1** - **1**].
26 July 1993: Tanzania: Lindi region: SMF: 1 [1 - **1** - **1**].
3 August 1993: Tanzania: Lindi region: SMF: 2 [2 - **2** - **2**].
7 August 1993: Mauritius: Unknown locality: AMNH: 1 [1 - **1**].
Tanzania: Lindi region: SMF: 1 [1 - **1** - **2**].
16 August 1993: Tanzania: Rondo Forest Reserve: SMF: 1 [1 - **1** - **1**].
27 August 1993: Tanzania: Lindi region: SMF: 1 [1 - **1** - **1**].
28 August 1993: Tanzania: Kilimanjaro Region: FMNH: 1 [1 - **1** - **1**].
13 September 1993: Tanzania: Morogoro region: SMF: 3 [3 - **3** - **3**].
13 December 1993: South Africa: Shongweni Dam: DNSM: 7 [7 - **7** - **7**].
14 December 1993: Mozambique: Vumba: DNSM: 1 [1 - **1**].
South Africa: Hillcrest: DNSM: 1 [1 - **1** - **2**].
1 January 1994: South Africa: Mapelane: DNSM: 1 [1] - Mpumalanga province: SMF: 4 [4] - Umkomaas: DNSM: 1 [1 - **6** - **6**].
19 January 1994: Tanzania: Rukwa region: SMF: 1 [1 - **1** - **1**].
22 January 1994: South Africa: Shongweni Dam: DNSM: 2 [2 - **2** - **2**].
1 February 1994: Mali: Badalabougou: MNHN: 31 [31] - Badalabougou quarter: MNHN: 9 [9] - Samaya: MNHN: 2 [2 - **42**].
Mauritius: Unknown locality: SMF: 4 [4 - **4** - **46**].
7 February 1994: South Africa: Umbilo: DNSM: 1 [1 - **1** - **1**].
11 February 1994: South Africa: Glenmore: DNSM: 1 [1 - **1** - **1**].
12 February 1994: South Africa: Glenmore: DNSM: 1 [1 - **1** - **1**].
28 February 1994: Swaziland: Mlawula Nature Reserve: TM: 2 [2 - **2** - **2**].
6 March 1994: Côte d'Ivoire: Abengourou department: SMF: 3 [3 - **3** - **3**].
9 March 1994: South Africa: Umlalazi Nature Reserve: DNSM: 2 [2 - **2** - **2**].
11 March 1994: South Africa: Morningside: DNSM: 1 [1 - **1** - **1**].
17 March 1994: South Africa: Morningside: DNSM: 7 [7 - **7** - **7**].
20 March 1994: Swaziland: Big Bend: TM: 1 [1 - **1** - **1**].
2 April 1994: Swaziland: Mlawula Nature Reserve: TM: 2 [2 - **2** - **2**].
3 April 1994: South Africa: Shongweni Dam: DNSM: 3 [3 - **3** - **3**].
8 April 1994: Swaziland: Malolotja Nature Reserve: TM: 1 [1 - **1** - **1**].
12 April 1994: South Africa: Chatsworth: DNSM: 1 [1 - **1** - **1**].
16 April 1994: South Africa: Amanzimtoti: DNSM: 1 [1] - Sea View, Durban: DNSM: 2 [2 - **3** - **3**].
21 April 1994: South Africa: Durban North: DNSM: 3 [3 - **3** - **3**].
23 April 1994: South Africa: Shongweni Dam: DNSM: 1 [1 - **1** - **1**].
30 April 1994: Tunisia: Unknown locality: SMF: 2 [2 - **2** - **2**].
7 May 1994: South Africa: Fynnlands: DNSM: 3 [3 - **3** - **3**].
21 May 1994: South Africa: Northdene: DNSM: 3 [3 - **3** - **3**].
1 June 1994: South Africa: Umbilo: DNSM: 1 [1 - **1** - **1**].
5 June 1994: Seychelles: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 June 1994: South Africa: Glenwood: DNSM: 1 [1 - **1** - **1**].
26 June 1994: South Africa: Glengarry Park: DNSM: 2 [2 - **2** - **2**].
1 July 1994: South Africa: Umbilo: DNSM: 1 [1 - **1** - **1**].
4 July 1994: Mauritius: Unknown locality: AMNH: 1 [1 - **1** - **1**].
12 July 1994: Mauritius: Unknown locality: AMNH: 1 [1 - **1** - **1**].
14 July 1994: South Africa: Fauresmith: NMB: 1 [1 - **1** - **1**].
22 July 1994: Swaziland: Luyengo: TM: 1 [1 - **1** - **1**].
2 August 1994: Réunion: Réunion Island: SMF: 2 [2 - **2** - **2**].
12 August 1994: South Africa: Sunnyside, DeKock Street: TM: 1 [1 - **1** - **1**].
14 August 1994: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
18 August 1994: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
25 August 1994: South Africa: Hlabeni Forest Reserve: DNSM: 1 [1 - **1** - **1**].
29 August 1994: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
10 September 1994: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].
16 September 1994: South Africa: Durban North: DNSM: 3 [3 - **3** - **3**].
17 September 1994: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].
27 September 1994: South Africa: Kingsburgh: DNSM: 1 [1 - **1** - **1**].
8 October 1994: South Africa: Bonamanzi Game Reserve: DNSM: 1 [1 - **1** - **1**].
19 October 1994: South Africa: Qwa-Qwa National Park: NMB: 1 [1 - **1** - **1**].
23 October 1994: Madagascar: Unknown locality: SMF: 2 [2 - **2** - **2**].
1 November 1994: Congo: Mboko: MNHN: 1 [1 - **1** - **1**].
2 November 1994: Madagascar: Unknown locality: SMF: 1 [1 - **1** - **1**].
5 November 1994: Madagascar: Unknown locality: SMF: 2 [2 - **2** - **2**].
14 November 1994: Madagascar: Unknown locality: SMF: 3 [3 - **3** - **3**].
21 November 1994: Zimbabwe: Mana Pools-NP, Rukameshi River on SN Game Fence: TM: 1 [1 - **1** - **1**].
7 December 1994: South Africa: Eshowe: DNSM: 1 [1 - **1** - **1**].
28 December 1994: South Africa: Nagle Dam: DNSM: 5 [5 - **5** - **5**].
1 January 1995: "Africa": Unknown locality: FMNH: 1 [1 - **1** - **1**].
10 January 1995: South Africa: Harold Johnson Nature Reserve: DNSM: 1 [1 - **1** - **1**].
11 January 1995: South Africa: Matjies Vlei: DNSM: 1 [1 - **1** - **1**].
15 January 1995: South Africa: Hilton: DNSM: 1 [1 - **1** - **1**].
19 January 1995: South Africa: Waterfall: DNSM: 1 [1 - **1** - **1**].
24 January 1995: South Africa: Skoenmakerskop: DNSM: 1 [1 - **1** - **1**].
3 February 1995: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
13 February 1995: South Africa: Umhlanga Reserve: DNSM: 1 [1 - **1** - **1**].
25 February 1995: South Africa: Shongweni Dam: DNSM: 2 [2 - **2** - **2**].

1 March 1995: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].
5 March 1995: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
9 March 1995: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
19 March 1995: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1** - **1**].
21 March 1995: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
1 April 1995: South Africa: Kamberg Nature Reserve: DNSM: 1 [1 - **1** - **1**].
10 April 1995: South Africa: Spioenkop Nature Reserve: DNSM: 2 [2] - Tembe Elephant Park: TM: 2 [2 - **4** - **4**].
11 April 1995: South Africa: Buzzard Mountain Retreat: TM: 1 [1 - **1** - **1**].
18 April 1995: South Africa: Lalapanzi Pan: DNSM: 2 [2 - **2** - **2**].
19 April 1995: South Africa: Bonamanzi Game Reserve: DNSM: 2 [2 - **2** - **2**].
20 April 1995: The Gambia: Janjanbureh: SMF: 1 [1 - **1** - **1**].
9 May 1995: Swaziland: Kwaluseni: TM: 2 [2 - **2** - **2**].
13 May 1995: South Africa: Bisley: DNSM: 2 [2 - **2** - **2**].
15 May 1995: South Africa: Ferncliff Bat Cave: DNSM: 1 [1 - **1** - **1**].
4 June 1995: South Africa: Vuma farm: DNSM: 5 [5 - **5** - **5**].
6 June 1995: South Africa: Eshowe: DNSM: 1 [1 - **1** - **1**].
7 June 1995: South Africa: Mooiplass Plantation: DNSM: 1 [1 - **1**].
Swaziland: St. Joseph's: TM: 1 [1 - **1** - **2**].
13 June 1995: Swaziland: Sikhunyana: TM: 1 [1 - **1** - **1**].
26 June 1995: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
29 June 1995: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 July 1995: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
3 July 1995: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
4 July 1995: Swaziland: Hlane: TM: 1 [1 - **1** - **1**].
8 July 1995: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
9 July 1995: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
12 July 1995: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
14 July 1995: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
15 July 1995: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
26 July 1995: South Africa: Isipingo: DNSM: 4 [4 - **4** - **4**].
28 July 1995: South Africa: Sea View, Durban: DNSM: 1 [1 - **1** - **1**].
29 July 1995: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
1 August 1995: South Africa: Tongaat: DNSM: 1 [1 - **1** - **1**].
4 August 1995: South Africa: Mountain View: TM: 1 [1 - **1** - **1**].
14 August 1995: South Africa: Pongolapoort Dam: DNSM: 1 [1 - **1** - **1**].
23 August 1995: South Africa: Entumeni Nature Reserve: DNSM: 1 [1 - **1** - **1**].
1 September 1995: South Africa: Cavendish: DNSM: 1 [1] - EKZN Wildlfe Headquarters: DNSM: 1 [1] - Umbilo: DNSM: 1 [1 - **3** - **3**].
10 September 1995: South Africa: Sezela Tunnel: DNSM: 2 [2 - **2** - **2**].
17 September 1995: South Africa: Merrivale: DNSM: 1 [1 - **1** - **1**].
20 September 1995: Mauritania: Nouakchott: MNHN: 4 [4 - **4** - **4**].
21 September 1995: South Africa: Fynnlands: DNSM: 1 [1 - **1** - **1**].
1 October 1995: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
3 October 1995: South Africa: Howick: DNSM: 1 [1 - **1** - **1**].
12 October 1995: South Africa: Morningside: DNSM: 1 [1 - **1** - **1**].
21 October 1995: Swaziland: Ngwenya [=Byrhtes]: TM: 1 [1 - **1** - **1**].
24 October 1995: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
28 October 1995: South Africa: Silverglen Nature Reserve: DNSM: 2 [2 - **2** - **2**].
1 November 1995: South Africa: Berea: DNSM: 1 [1] - Renishaw: DNSM: 2 [2 - **3** - **3**].
5 November 1995: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
11 November 1995: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
14 November 1995: South Africa: Port Shepstone: DNSM: 1 [1 - **1** - **1**].
23 November 1995: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1** - **1**].
24 November 1995: South Africa: Steenkampskraal Mine: DNSM: 5 [5 - **5** - **5**].
30 November 1995: South Africa: St. Lucia: DNSM: 1 [1 - **1** - **1**].
1 December 1995: South Africa: Burman Bush Nature Reserve: DNSM: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 1 [1 - **1** - **2**].
4 December 1995: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
5 December 1995: Zimbabwe: Chingamwe Estates: DNSM: 1 [1] - Mutare: DNSM: 25 [25 - **26** - **26**].
6 December 1995: Zimbabwe: Bonda Mission: DNSM: 1 [1 - **1** - **1**].
10 December 1995: Zimbabwe: Chingamwe Estates: DNSM: 1 [1 - **1** - **1**].
1 January 1996: South Africa: Yellowwood Park: DNSM: 2 [2 - **2**].
Tanzania: Arusha region: SMF: 1 [1 - **1** - **3**].
4 January 1996: Swaziland: St. Joseph's: TM: 1 [1 - **1** - **1**].
7 January 1996: Swaziland: Ndabasezwe High School: TM: 1 [1 - **1** - **1**].
10 January 1996: Swaziland: Allen's Farm: TM: 1 [1 - **1** - **1**].
14 January 1996: São Tomé and Principé: Sao Tome: SMF: 3 [3 - **3** - **3**].
18 January 1996: Swaziland: Allen's Farm: TM: 1 [1 - **1** - **1**].
20 January 1996: Madagascar: Unknown locality: SMF: 2 [2 - **2** - **2**].
21 January 1996: South Africa: Waterfall: DNSM: 1 [1 - **1** - **1**].
22 January 1996: Madagascar: Unknown locality: SMF: 1 [1 - **1** - **1**].
31 January 1996: South Africa: Moorfield Mountain Farm Nature Reserve: DNSM: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 1 [1 - **1** - **2**].
1 February 1996: South Africa: Gillets: DNSM: 1 [1 - **1** - **1**].
6 February 1996: South Africa: Winburg: NMB: 3 [3 - **3**].
Swaziland: Franson Christian High: TM: 1 [1 - **1** - **4**].

8 February 1996: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
14 February 1996: South Africa: Farm Hilda [=V.L.NR.]: TM: 1 [1 - **1** - **1**].
15 February 1996: Swaziland: Bar Circle Ranches: TM: 2 [2] - Big Bend: TM: 1 [1 - **3** - **3**].
21 February 1996: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
28 February 1996: Mali: Bamako: MNHN: 1 [1] - Samaya: MNHN: 4 [4 - **5** - **5**].
29 February 1996: South Africa: EKZN Wildlfe Headquarters: DNSM: 1 [1 - **1** - **1**].
1 March 1996: Swaziland: Nkwene High School: TM: 1 [1 - **1** - **1**].
2 March 1996: Mali: Samaya: MNHN: 2 [2 - **2** - **2**].
6 March 1996: Swaziland: Franson Christian High: TM: 1 [1] - Sithobela Primary School: TM: 1 [1 - **2** - **2**].
9 March 1996: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
11 March 1996: South Africa: Fort Yolland Farm: DNSM: 2 [2 - **2** - **2**].
12 March 1996: South Africa: Dlinza Forest: DNSM: 1 [1 - **1** - **1**].
15 March 1996: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
24 March 1996: South Africa: Isipingo: DNSM: 8, TM: 11 [19] - Morningside: DNSM: 1 [1 - **20** - **20**].
1 April 1996: South Africa: Hathaway: DNSM: 1 [1 - **1** - **1**].
3 April 1996: Swaziland: St. Peregrines: TM: 1 [1 - **1** - **1**].
7 April 1996: South Africa: Park Rynie: DNSM: 1 [1 - **1**].
Swaziland: Mbutfu Primary School: TM: 1 [1 - **1** - **2**].
8 April 1996: Congo (Democratic Republic of the): Equateur: SMF: 1 [1 - **1** - **1**].
18 April 1996: Swaziland: Mkhuzweni Primary School: TM: 1 [1 - **1** - **1**].
21 April 1996: Swaziland: St. Florence Mission: TM: 1 [1 - **1** - **1**].
22 April 1996: Swaziland: St. Florence Mission: TM: 1 [1 - **1** - **1**].
4 May 1996: South Africa: St. Lucia: DNSM: 1 [1 - **1** - **1**].
9 May 1996: Swaziland: Dinedor Ranch: TM: 1 [1 - **1** - **1**].
10 May 1996: Swaziland: Dinedor Ranch: TM: 1 [1 - **1** - **1**].
12 June 1996: South Africa: Montrose: DNSM: 1 [1] - Seaview: DNSM: 1 [1 - **2** - **2**].
1 July 1996: South Africa: Bluff: DNSM: 1 [1 - **1** - **1**].
4 August 1996: Malawi: Malema: MNHN: 1 [1 - **1** - **1**].
5 August 1996: Malawi: Malema: MNHN: 1 [1 - **1** - **1**].
10 August 1996: Malawi: Rwosho River: MNHN: 2 [2 - **2** - **2**].
20 August 1996: South Africa: Glenhills: DNSM: 1 [1 - **1** - **1**].
22 August 1996: South Africa: Greyville: DNSM: 1 [1 - **1** - **1**].
2 September 1996: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
14 September 1996: Zimbabwe: Mashonaland West province: SMF: 1 [1 - **1** - **1**].
17 September 1996: South Africa: Queen Elizabeth Park: DNSM: 1 [1 - **1** - **1**].
1 October 1996: France: Beauvais cathedral: BMNH: 1 [1 - **1** - **1**].
6 October 1996: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
8 October 1996: South Africa: Winburg: NMB: 2 [2 - **2** - **2**].
18 October 1996: South Africa: Glenwood: DNSM: 1 [1 - **1** - **1**].
21 October 1996: Swaziland: Ngwenya [=Byrhtes]: TM: 1 [1 - **1** - **1**].
22 October 1996: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
23 October 1996: South Africa: Forest Hills: DNSM: 1 [1 - **1** - **1**].
24 October 1996: Tanzania: Tanga region: SMF: 5 [5 - **5** - **5**].
1 November 1996: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
5 November 1996: South Africa: Greenwood Park: DNSM: 1 [1 - **1** - **1**].
10 November 1996: South Africa: Winburg: NMB: 2 [2 - **2** - **2**].
21 November 1996: South Africa: Messina Nature Reserve: DNSM: 1 [1 - **1** - **1**].
1 December 1996: South Africa: Malvern: DNSM: 1 [1 - **1** - **1**].
3 December 1996: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
17 December 1996: Madagascar: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 December 1996: South Africa: Longstead Farm: DNSM: 1 [1 - **1** - **1**].
27 December 1996: South Africa: Twin Streams: DNSM: 1 [1 - **1** - **1**].
30 December 1996: Tanzania: Mbeya region: SMF: 4 [4 - **4** - **4**].
31 December 1996: Tanzania: Mbeya region: SMF: 2 [2 - **2** - **2**].
1 January 1997: South Africa: Overport: DNSM: 1 [1 - **1** - **1**].
16 January 1997: South Africa: Brighton Beach: DNSM: 3 [3] - Morningside: DNSM: 1 [1 - **4** - **4**].
20 January 1997: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
21 January 1997: Tanzania: Mtai Forest Reserve: SMF: 1 [1 - **1** - **1**].
28 January 1997: South Africa: Bluff: DNSM: 1 [1 - **1** - **1**].
5 February 1997: South Africa: Morningside: DNSM: 1 [1] - Umbilo: DNSM: 1 [1 - **2** - **2**].
10 February 1997: South Africa: New Germany: DNSM: 1 [1 - **1** - **1**].
13 February 1997: South Africa: Montrose: DNSM: 1 [1 - **1** - **1**].
22 February 1997: South Africa: Koegelbeen Caves: NMB: 9 [9 - **9** - **9**].
25 February 1997: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
28 February 1997: South Africa: Westridge: DNSM: 1 [1 - **1** - **1**].
1 March 1997: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
14 March 1997: South Africa: Ithala Game Reserve: DNSM: 1 [1] - Vrolijkheid Nature Reserve: DNSM: 4 [4 - **5** - **5**].
19 March 1997: South Africa: Farm Kersefontein [=Berg River]: DNSM: 8 [8 - **8** - **8**].
31 March 1997: South Africa: Phalaborwa, 20 km S: DNSM: 3 [3 - **3** - **3**].
1 April 1997: Liberia: Unknown locality: SMF: 1 [1 - **1**].
Mozambique: Xai Xai: TM: 1 [1 - **1** - **2**].
4 April 1997: South Africa: Bluff: DNSM: 11 [11 - **11** - **11**].
7 April 1997: South Africa: Marshall Grove: DNSM: 1 [1 - **1** - **1**].
9 April 1997: Malawi: Unknown locality: SMF: 2 [2 - **2** - **2**].
13 April 1997: Malawi: Mondwe Valley: SMF: 1 [1 - **1** - **1**].
21 April 1997: South Africa: Mayville: DNSM: 1 [1 - **1** - **1**].

1 May 1997: South Africa: Montclair: DNSM: 1 [1 - **1** - **1**].
4 May 1997: South Africa: Chatsworth: DNSM: 1 [1 - **1** - **1**].
10 May 1997: South Africa: Chatsworth: DNSM: 3 [3 - **3** - **3**].
19 May 1997: South Africa: Queensburgh: DNSM: 1 [1 - **1** - **1**].
22 May 1997: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
24 May 1997: South Africa: Overport: DNSM: 1 [1 - **1** - **1**].
26 May 1997: South Africa: Kloof: DNSM: 2 [2 - **2** - **2**].
3 June 1997: South Africa: Marine Parade: DNSM: 1 [1 - **1** - **1**].
25 June 1997: South Africa: Phoenix: DNSM: 1 [1 - **1** - **1**].
1 July 1997: South Africa: Glenwood: DNSM: 1 [1] - Westridge: DNSM: 1 [1 - **2** - **2**].
4 July 1997: South Africa: Morningside: DNSM: 1 [1 - **1** - **1**].
10 July 1997: South Africa: Cape Vidal Nature Reserve, E shores: DNSM: 2 [2 - **2** - **2**].
23 July 1997: South Africa: Town Bush: DNSM: 1 [1 - **1** - **1**].
1 August 1997: South Africa: Northdene: DNSM: 2 [2 - **2** - **2**].
9 August 1997: South Africa: Forest Hills: DNSM: 1 [1 - **1** - **1**].
15 August 1997: South Africa: Clarens: DNSM: 1 [1 - **1** - **1**].
23 August 1997: South Africa: New Germany: DNSM: 1 [1 - **1** - **1**].
30 August 1997: South Africa: Shongweni Dam: DNSM: 1 [1 - **1** - **1**].
1 September 1997: Nigeria: Gombe state: SMF: 3 [3] - Plateau state: SMF: 22 [22 - **25**].
South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **26**].
4 September 1997: South Africa: Mayville: DNSM: 1 [1 - **1** - **1**].
8 September 1997: South Africa: Yellowwood Park: DNSM: 1 [1 - **1** - **1**].
13 September 1997: South Africa: Ratzschitz Mission Church: DNSM: 1 [1 - **1** - **1**].
15 September 1997: South Africa: Albert Falls Resource Reserve: DNSM: 1 [1 - **1** - **1**].
1 October 1997: South Africa: Albert Falls Nature Reserve: DNSM: 1 [1 - **1** - **1**].
8 October 1997: South Africa: Phillipolis: NMB: 2 [2 - **2** - **2**].
13 October 1997: South Africa: Rossburgh: DNSM: 1 [1 - **1** - **1**].
15 October 1997: South Africa: Cape Vidal Nature Reserve, E shores: DNSM: 1 [1 - **1** - **1**].
25 October 1997: South Africa: Shongweni Dam: DNSM: 5 [5 - **5** - **5**].
1 November 1997: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
3 November 1997: South Africa: Yellowwood Park: DNSM: 1 [1 - **1** - **1**].
16 November 1997: South Africa: Yellowwood Park: DNSM: 1 [1 - **1** - **1**].
19 November 1997: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
27 November 1997: South Africa: Shongweni Dam: DNSM: 9 [9 - **9** - **9**].
28 November 1997: South Africa: Jozini Dam: DNSM: 1 [1] - Pongolapoort Dam: DNSM: 14 [14 - **15** - **15**].
30 November 1997: South Africa: Jozini Village: DNSM: 5 [5] - Pongola River Bridge, on Jozini - Kosi Road: DNSM: 20 [20 - **25** - **25**].
1 December 1997: South Africa: Hilton: DNSM: 1 [1] - Pongola River Bridge, on Jozini - Kosi Road: DNSM: 6 [6 - **7** - **7**].
5 December 1997: South Africa: Kloof: DNSM: 3 [3 - **3** - **3**].
27 December 1997: South Africa: Bonamanzi Game Reserve: DNSM: 2 [2 - **2** - **2**].
28 December 1997: South Africa: Kloof: DNSM: 1 [1] - Kosi Bay Nature Reserve: DNSM: 1 [1 - **2** - **2**].
30 December 1997: South Africa: Hella Hella GR: DNSM: 1 [1 - **1** - **1**].
1 January 1998: Central African Republic: Boukoko or La Maboké: MNHN: 1 [1 - **1**].
South Africa: Durban: DNSM: 2 [2] - Kloof: DNSM: 1 [1] - Yellow Wood Park: DNSM: 1 [1 - **4** - **5**].
3 January 1998: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1** - **1**].
10 January 1998: South Africa: Queensburgh: DNSM: 1 [1 - **1** - **1**].
20 January 1998: South Africa: Kloof: DNSM: 1 [1 - **1** - **1**].
26 January 1998: South Africa: Durban, probably: DNSM: 1 [1 - **1** - **1**].
27 January 1998: Swaziland: Motshane Portion 2/987: DNSM: 1 [1 - **1** - **1**].
30 January 1998: South Africa: Westville: DNSM: 2 [2 - **2** - **2**].
2 February 1998: "Africa": Unknown locality: DNSM: 1 [1 - **1**].
South Africa: Kloof: DNSM: 1 [1 - **1**].
Swaziland: Siphiso campsite: DNSM: 2 [2 - **2** - **4**].
3 February 1998: Swaziland: Mlawula Nature Reserve: DNSM: 2 [2] - Mlawula Road, 4 km from junction: DNSM: 5 [5 - **7** - **7**].
4 February 1998: Swaziland: Mlawula Nature Reserve: DNSM: 2 [2] - Python Pool: DNSM: 17 [17] - Siphiso campsite: DNSM: 1 [1 - **20** - **20**].
5 February 1998: Swaziland: Siphiso campsite: DNSM: 1 [1 - **1** - **1**].
6 February 1998: Swaziland: Mlawula Nature Reserve: DNSM: 1 [1] - Simunye, 15 km N: DNSM: 2 [2 - **3** - **3**].
8 February 1998: Swaziland: Malolotja Nature Reserve: DNSM: 1 [1 - **1** - **1**].
11 February 1998: Swaziland: Simunye, 10 km N: DNSM: 2 [2 - **2** - **2**].
15 February 1998: South Africa: Vryheid Hill Nature Reserve: DNSM: 1 [1 - **1** - **1**].
23 February 1998: South Africa: Overport: DNSM: 1 [1 - **1** - **1**].
24 February 1998: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
4 March 1998: Swaziland: Maguga: NMB: 1 [1 - **1** - **1**].
5 March 1998: Swaziland: Maguga: NMB: 4 [4 - **4** - **4**].
6 March 1998: Swaziland: Maguga: NMB: 11 [11 - **11** - **11**].
7 March 1998: Swaziland: Malolotja Nature Reserve: DNSM: 1 [1 - **1** - **1**].
9 March 1998: Swaziland: Maguga: NMB: 2 [2 - **2** - **2**].
13 March 1998: South Africa: Hilton: DNSM: 1 [1 - **1** - **1**].
22 March 1998: South Africa: Albert Falls Nature Reserve: DNSM: 1 [1] - Albert Falls Resource Reserve: DNSM: 1 [1 - **2** - **2**].
1 April 1998: Liberia: Unknown locality: SMF: 1 [1 - **1** - **1**].
8 April 1998: Mozambique: Bazaruto Lodge: DNSM: 2 [2 - **2** - **2**].
9 April 1998: South Africa: Cowies Hill: DNSM: 1 [1 - **1** - **1**].
11 April 1998: Swaziland: UNISWA, Kwaluseni Campus: DNSM: 1 [1 - **1** - **1**].
13 April 1998: South Africa: Morningside: DNSM: 1 [1 - **1** - **1**].
14 April 1998: South Africa: Hillcrest: DNSM: 1 [1 - **1** - **1**].

23 April 1998: South Africa: Suikerbosrand [=Suikerboschrand] Nature Reserve: DNSM: 1 [1 - **1** - **1**].
26 April 1998: South Africa: Iphiva Camp: DNSM: 5 [5] - Mission Rocks: DNSM: 1 [1] - Mission Rocks Bat Cave: DNSM: 4 [4 - **10** - **10**].
28 April 1998: Swaziland: Tshaneni Iysis Ranch: DNSM: 3 [3 - **3** - **3**].
29 April 1998: South Africa: Iphiva Camp: DNSM: 2 [2 - **2**].
Swaziland: UNISWA, Kwaluseni Campus: DNSM: 2 [2 - **2** - **4**].
5 May 1998: Central African Republic: Bohou River: MNHN: 1 [1 - **1** - **1**].
7 May 1998: Central African Republic: Boukoko or La Maboké: MNHN: 1 [1 - **1** - **1**].
21 May 1998: South Africa: La Lucia: DNSM: 2 [2 - **2** - **2**].
24 May 1998: South Africa: Umhlanga Reserve: DNSM: 1 [1 - **1** - **1**].
5 June 1998: Central African Republic: Bohou River: MNHN: 1 [1 - **1** - **1**].
8 June 1998: Central African Republic: Bohou River: MNHN: 1 [1 - **1** - **1**].
14 June 1998: South Africa: Hella Hella Game Valley Estates: DNSM: 1 [1 - **1** - **1**].
15 June 1998: South Africa: Glenwood: DNSM: 1 [1 - **1** - **1**].
17 June 1998: Central African Republic: Bohou River: MNHN: 1 [1 - **1** - **1**].
19 June 1998: Central African Republic: Bohou River: MNHN: 1 [1 - **1** - **1**].
25 June 1998: South Africa: North Beach: DNSM: 1 [1 - **1** - **1**].
26 June 1998: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
1 July 1998: South Africa: Midmar Training Centre: DNSM: 1 [1 - **1** - **1**].
6 July 1998: South Africa: Richards Bay: DNSM: 1 [1 - **1** - **1**].
1 August 1998: Tanzania: Mwanza region: SMF: 1 [1 - **1** - **1**].
17 August 1998: Tanzania: Mwanza region: SMF: 3 [3 - **3** - **3**].
19 August 1998: Tanzania: Mwanza region: SMF: 2 [2 - **2** - **2**].
5 September 1998: South Africa: Glenmore: DNSM: 1 [1 - **1** - **1**].
6 September 1998: South Africa: Hillcrest: DNSM: 1 [1 - **1**].
Swaziland: Sandleni Primary School: TM: 1 [1 - **1** - **2**].
17 September 1998: South Africa: Forest Hills: DNSM: 1 [1] - New Hanover school: DNSM: 1 [1 - **2** - **2**].
27 October 1998: South Africa: Hillary, Hillary School: DNSM: 1 [1 - **1** - **1**].
1 November 1998: South Africa: Hennops River: DNSM: 1 [1] - Pretoria - Kameeldrif, between: DNSM: 1 [1 - **2** - **2**].
2 November 1998: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].
7 November 1998: South Africa: Ballito: DNSM: 1 [1 - **1** - **1**].
14 November 1998: South Africa: St. Lucia: DNSM: 1 [1 - **1** - **1**].
21 November 1998: South Africa: Lennox Farm: DNSM: 1 [1 - **1** - **1**].
28 November 1998: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].
29 November 1998: Mozambique: Mount Namuli: DNSM: 2 [2 - **2** - **2**].
1 December 1998: South Africa: Hillcrest: DNSM: 1 [1] - St. Lucia: DNSM: 3 [3 - **4** - **4**].
3 December 1998: South Africa: Hennops River: DNSM: 3 [3 - **3** - **3**].
8 December 1998: South Africa: Durban: DNSM: 2 [2 - **2** - **2**].
31 December 1998: South Africa: Glenwood: DNSM: 1 [1 - **1** - **1**].
1 January 1999: Congo: Unknown locality: SMF: 26 [26 - **26**].
Côte d'Ivoire: Unknown locality: SMF: 4 [4 - **4**].
South Africa: Amanzimtoti: DNSM: 1 [1] - Kloof: DNSM: 1 [1] - Kloof Falls Road/ Bridle Road picnic site: DNSM: 1 [1 - **3** - **33**].
4 January 1999: South Africa: Kingsburgh: DNSM: 1 [1 - **1** - **1**].
10 January 1999: South Africa: Eshowe: DNSM: 1 [1 - **1** - **1**].
14 January 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 January 1999: South Africa: Kosi Bay Nature Reserve: DNSM: 1 [1 - **1** - **1**].
23 January 1999: Tanzania: Morogoro region: SMF: 3 [3 - **3** - **3**].
26 January 1999: South Africa: Kosi Bay Nature Reserve: DNSM: 1 [1] - Town Bush: DNSM: 1 [1 - **2** - **2**].
1 February 1999: South Africa: Kuduskop: DNSM: 2 [2 - **2** - **2**].
10 February 1999: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
12 February 1999: South Africa: Warner Beach: DNSM: 1 [1 - **1** - **1**].
13 February 1999: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
16 February 1999: South Africa: University of Durban: DNSM: 1 [1 - **1** - **1**].
21 February 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
22 February 1999: South Africa: Hoopstad: NMB: 1 [1 - **1** - **1**].
23 February 1999: South Africa: Westriding: DNSM: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 1 [1 - **1** - **2**].
26 February 1999: Tanzania: Tanga region: SMF: 3 [3 - **3** - **3**].
28 February 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 March 1999: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3**].
Djibouti: Ardo, 500 m E: MNHN: 1 [1 - **1** - **4**].
4 March 1999: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
5 March 1999: South Africa: Brighton Beach: DNSM: 1 [1 - **1** - **1**].
8 March 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
13 March 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
16 March 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
18 March 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1**].
South Africa: Queen Elizabeth Park: DNSM: 1 [1 - **1** - **2**].
22 March 1999: Côte d'Ivoire: Unknown locality: SMF: 5 [5 - **5** - **5**].
30 March 1999: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
31 March 1999: Côte d'Ivoire: Unknown locality: SMF: 3 [3] - Tai: SMF: 1 [1 - **4** - **4**].
1 April 1999: Congo (Democratic Republic of the): Unknown locality: SMF: 25 [25] - Kinshasa City province: SMF: 77 [77 - **102**].
South Africa: Durban North: DNSM: 1 [1 - **1** - **103**].
2 April 1999: Zimbabwe: Unknown locality: SMF: 2 [2 - **2** - **2**].
8 April 1999: South Africa: Hells Gate: DNSM: 24 [24 - **24** - **24**].

10 April 1999: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
16 April 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
25 April 1999: Côte d'Ivoire: Unknown locality: SMF: 13 [13 - **13** - **13**].
26 April 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
27 April 1999: Côte d'Ivoire: Unknown locality: SMF: 4 [4 - **4** - **4**].
2 May 1999: Swaziland: Ezulwini: DNSM: 1 [1 - **1** - **1**].
9 May 1999: Côte d'Ivoire: Unknown locality: SMF: 7 [7 - **7** - **7**].
10 May 1999: Côte d'Ivoire: Unknown locality: SMF: 5 [5] - Comoé National Park: SMF: 1 [1 - **6** - **6**].
12 May 1999: South Africa: Mount Moreland: DNSM: 1 [1 - **1** - **1**].
13 May 1999: South Africa: Mount Edgecomb: DNSM: 1 [1 - **1** - **1**].
15 May 1999: The Gambia: Lamin Bridge: SMF: 3 [3 - **3** - **3**].
21 May 1999: Côte d'Ivoire: Unknown locality: SMF: 8 [8 - **8** - **8**].
22 May 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1**].
South Africa: Kingpark: DNSM: 1 [1 - **1** - **2**].
24 May 1999: Swaziland: Malkerns: DNSM: 1 [1 - **1** - **1**].
25 May 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1**].
South Africa: Bellair: DNSM: 1 [1 - **1** - **2**].
6 June 1999: The Gambia: Banjul: SMF: 1 [1 - **1** - **1**].
8 June 1999: South Africa: Inkwazi Training Centre: DNSM: 1 [1] - Phinda Game Reserve: DNSM: 2 [2 - **3** - **3**].
14 June 1999: South Africa: Bishopstowe cave: DNSM: 1 [1 - **1** - **1**].
17 June 1999: South Africa: Newlands West: DNSM: 3 [3 - **3** - **3**].
19 June 1999: South Africa: Overport: DNSM: 1 [1 - **1** - **1**].
20 June 1999: The Gambia: Madianna: SMF: 1 [1 - **1** - **1**].
1 July 1999: Congo: Unknown locality: SMF: 1 [1 - **1**].
Congo (Democratic Republic of the): Unknown locality: SMF: 3 [3 - **3**].
South Africa: Little Mowbray: KU: 1 [1 - **1** - **5**].
2 July 1999: Madagascar: Unknown locality: SMF: 1 [1 - **1** - **1**].
3 July 1999: Madagascar: Unknown locality: SMF: 1 [1 - **1**].
South Africa: Cowies Hill: DNSM: 1 [1 - **1** - **2**].
4 July 1999: Madagascar: Unknown locality: SMF: 7 [7 - **7** - **7**].
6 July 1999: Madagascar: Mahajanga province: SMF: 1 [1 - **1** - **1**].
15 July 1999: Congo (Democratic Republic of the): Unknown locality: SMF: 1 [1 - **1** - **1**].
1 August 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
4 August 1999: South Africa: Albert Falls Resource Reserve: DNSM: 1 [1 - **1** - **1**].
11 August 1999: Congo (Democratic Republic of the): Unknown locality: SMF: 1 [1 - **1** - **1**].
13 August 1999: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
14 August 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 August 1999: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
23 August 1999: Lesotho: Pelaneng River, along: DNSM: 1 [1 - **1** - **1**].
29 August 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
31 August 1999: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
1 September 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
2 September 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
6 September 1999: South Africa: Kloof: DNSM: 1 [1 - **1** - **1**].
9 September 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
10 September 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
12 September 1999: Namibia: Unknown locality: SMF: 2 [2 - **2** - **2**].
13 September 1999: South Africa: Amanzimtoti: DNSM: 1 [1 - **1**].
The Gambia: Tanji River Bird Reserve: SMF: 2 [2 - **2** - **2**]. - **1**].
14 September 1999: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
15 September 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1**].
The Gambia: Lamin Bridge: SMF: 1 [1 - **1** - **1**]. - **1**].
16 September 1999: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
19 September 1999: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
21 September 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
22 September 1999: Côte d'Ivoire: Unknown locality: SMF: 6 [6 - **6** - **6**].
24 September 1999: South Africa: Iphiva Camp: DNSM: 2 [2 - **2** - **2**].
25 September 1999: South Africa: Iphiva Camp: DNSM: 1 [1] - Mission Rocks: DNSM: 9 [9 - **10** - **10**].
1 October 1999: South Africa: Ballito-Westbrook: DNSM: 1 [1 - **1** - **1**].
6 October 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
10 October 1999: South Africa: Shongweni Dam: DNSM: 8 [8 - **8** - **8**].
15 October 1999: The Gambia: Unknown locality: SMF: 3 [3 - **3** - **3**].
19 October 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1] - Comoé National Park: SMF: 1 [1 - **2** - **2**].
26 October 1999: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
30 October 1999: South Africa: Kosi Bay Nature Reserve: DNSM: 1 [1 - **1** - **1**].
31 October 1999: The Gambia: Unknown locality: SMF: 2 [2] - Jiboroh Kuta: SMF: 1 [1 - **3** - **3**].
1 November 1999: Lesotho: Thaba-Tseka: NMB: 1 [1 - **1**].
South Africa: Yellow Wood Park: DNSM: 1 [1 - **1**].
Zambia: Unknown locality: SMF: 2 [2 - **2** - **4**].
2 November 1999: Côte d'Ivoire: Unknown locality: SMF: 12 [12 - **12** - **12**].
4 November 1999: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
5 November 1999: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
12 November 1999: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
15 November 1999: Côte d'Ivoire: Unknown locality: SMF: 10 [10 - **10** - **10**].
25 November 1999: Madagascar: Amvavalatra: FMNH: 1 [1 - **1**].
South Africa: Mount Moreland: DNSM: 1 [1 - **1** - **2**].

30 November 1999: South Africa: Berea: DNSM: 1 [1 - **1** - **1**].
1 December 1999: South Africa: Albert Falls Resource Reserve: DNSM: 3 [3] - Kloof: DNSM: 1 [1 - **4** - **4**].
2 December 1999: South Africa: Kloof: DNSM: 1 [1 - **1** - **1**].
7 December 1999: South Africa: Queensburgh: DNSM: 2 [2 - **2** - **2**].
12 December 1999: South Africa: Cato Ridge: DNSM: 1 [1 - **1** - **1**].
15 December 1999: South Africa: Gillets: DNSM: 1 [1 - **1** - **1**].
16 December 1999: South Africa: Athlone Park: DNSM: 1 [1 - **1** - **1**].
29 December 1999: South Africa: Reddersburgh Farm: DNSM: 1 [1 - **1** - **1**].
30 December 1999: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].
7 January 2000: South Africa: Hells Gate: DNSM: 1 [1 - **1** - **1**].
10 January 2000: South Africa: Red Hill: DNSM: 3 [3] - Xanadu Farm: DNSM: 1 [1 - **4** - **4**].
11 January 2000: South Africa: Sobhengu Lodge: DNSM: 2 [2 - **2** - **2**].
12 January 2000: South Africa: Mission Rocks: DNSM: 1 [1 - **1** - **1**].
13 January 2000: South Africa: Hells Gate: DNSM: 7 [7 - **7** - **7**].
22 January 2000: Tanzania: Morogoro region: SMF: 1 [1 - **1** - **1**].
24 January 2000: South Africa: Kloof: DNSM: 1 [1 - **1** - **1**].
29 January 2000: The Gambia: Madiyana Camp: SMF: 5 [5 - **5** - **5**].
30 January 2000: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].
4 February 2000: The Gambia: Madiyana Camp: SMF: 1 [1 - **1** - **1**].
7 February 2000: South Africa: Mount Currie Nature Reserve: DNSM: 1 [1] - Sandrivierbrug: NMB: 1 [1 - **2** - **2**].
9 February 2000: South Africa: EKZN Wildlfe Headquarters: DNSM: 1 [1 - **1** - **1**].
10 February 2000: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
26 February 2000: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
29 February 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1**].
South Africa: Bluff: DNSM: 1 [1 - **1** - **2**].
2 March 2000: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
4 March 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
9 March 2000: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
10 March 2000: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
14 March 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1**].
South Africa: Queen Elizabeth Park: DNSM: 1 [1 - **1** - **2**].
19 March 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 March 2000: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
21 March 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
30 March 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 April 2000: Mauritius: Unknown locality: ZMA: 1 [1 - **1** - **1**].
5 April 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
6 April 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
10 April 2000: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
11 April 2000: South Africa: Hillcrest: DNSM: 1 [1 - **1** - **1**].
12 April 2000: South Africa: Hoopstad: NMB: 2 [2 - **2** - **2**].
16 April 2000: The Gambia: Abuko Nature Reserve: SMF: 1 [1 - **1** - **1**].
25 April 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 May 2000: South Africa: Bluff: DNSM: 1 [1] - Khayalami Bay: DNSM: 1 [1 - **2** - **2**].
2 May 2000: The Gambia: Jappeni, near: SMF: 1 [1 - **1** - **1**].
4 May 2000: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
6 May 2000: Côte d'Ivoire: Comoé National Park: SMF: 1 [1 - **1** - **1**].
10 May 2000: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
11 May 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
12 May 2000: The Gambia: Unknown locality: SMF: 6 [6 [1] - Solifor Point, 500 m S: SMF: 1 [1 - **7** - **1** - **7**]. - **1**].
14 May 2000: The Gambia: Unknown locality: SMF: 2 [2] - Solifor Point, 500 m S: SMF: 1 [1 - **3** - **3**].
16 May 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 May 2000: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3**].
The Gambia: Abuko Nature Reserve: SMF: 8 [8 - **8** - **8**]. - **3**].
21 May 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
22 May 2000: South Africa: Doonside: DNSM: 1 [1 - **1** - **1**].
25 May 2000: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
26 May 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
30 May 2000: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
31 May 2000: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
1 June 2000: Swaziland: Kapola cave: DNSM: 1 [1 - **1** - **1**].
6 June 2000: Malawi: Unknown locality: SMF: 1 [1 - **1** - **1**].
7 June 2000: The Gambia: Unknown locality: SMF: 2 [2] - Abuko Nature Reserve: SMF: 3 [3 - **5** - **5**].
11 June 2000: South Africa: Hells Gate: DNSM: 2 [2 - **2** - **2**].
14 June 2000: Swaziland: Malkerns: DNSM: 1 [1 - **1** - **1**].
25 June 2000: Tanzania: Tanga region: SMF: 6 [6 - **6** - **6**].
28 June 2000: South Africa: Hells Gate: DNSM: 26 [26] - Hells Gate Military Base: DNSM: 1 [1 - **27** - **27**].
29 June 2000: South Africa: Shongweni Dam: DNSM: 5 [5 - **5** - **5**].
8 July 2000: Tanzania: Tanga region: SMF: 3 [3 - **3** - **3**].
11 July 2000: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
20 July 2000: Tanzania: Tanga region: SMF: 3 [3 - **3** - **3**].
21 July 2000: South Africa: Bluff: DNSM: 1 [1 - **1** - **1**].
23 July 2000: South Africa: Reservoir Hills: DNSM: 1 [1 - **1** - **1**].
26 July 2000: Tanzania: Tanga region: SMF: 3 [3 - **3** - **3**].
2 August 2000: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
3 August 2000: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].

4 August 2000: South Africa: Msinsi Nature Reserve: DNSM: 1 [1 - **1** - **1**].
7 August 2000: Nigeria: Enugu state: SMF: 1 [1 - **1** - **1**].
17 August 2000: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].
19 August 2000: Nigeria: Imo state: SMF: 1 [1 - **1** - **1**].
7 September 2000: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
8 September 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1**].
The Gambia: Jiroff, near: SMF: 1 [1 - **1** - **1**]. - **1**].
12 September 2000: Nigeria: Enugu state: SMF: 3 [3 - **3** - **3**].
15 September 2000: Côte d'Ivoire: Unknown locality: SMF: 8 [8 - **8** - **8**].
16 September 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1**].
The Gambia: Tanji and Brufut, between: SMF: 1 [1 - **1** - **1**]. - **1**].
20 September 2000: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
21 September 2000: Nigeria: Imo state: SMF: 1 [1 - **1** - **1**].
27 September 2000: Nigeria: Enugu state: SMF: 25 [25 - **25**].
Tanzania: Tanga region: SMF: 3 [3 - **3** - **28**].
4 October 2000: Côte d'Ivoire: Unknown locality: SMF: 5 [5 - **5** - **5**].
9 October 2000: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 3 [3 - **3** - **4**].
14 October 2000: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
15 October 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
25 October 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
2 November 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
3 November 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
5 November 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
7 November 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
8 November 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
9 November 2000: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
10 November 2000: Tanzania: Tanga region: SMF: 3 [3 - **3** - **3**].
14 November 2000: The Gambia: Abuko Nature Reserve: SMF: 1 [1 - **1** - **1**].
17 November 2000: South Africa: Shongweni Dam: DNSM: 1 [1 - **1** - **1**].
20 November 2000: South Africa: Komatipoort: DNSM: 1 [1 - **1** - **1**].
21 November 2000: South Africa: Westmead: DNSM: 1 [1 - **1** - **1**].
24 November 2000: Côte d'Ivoire: Unknown locality: SMF: 6 [6 - **6** - **6**].
25 November 2000: Côte d'Ivoire: Unknown locality: SMF: 9 [9 - **9** - **9**].
26 November 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
29 November 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
2 December 2000: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
11 December 2000: South Africa: Kloof: DNSM: 1 [1 - **1** - **1**].
27 December 2000: South Africa: Bellar Adduss: DNSM: 1 [1 - **1** - **1**].
1 January 2001: South Africa: Durban: DNSM: 1 [1] - Nagle Dam: DNSM: 1 [1 - **2**].
The Gambia: Unknown locality: SMF: 1 [1 - **1** - **3**].
12 January 2001: South Africa: Windermere: DNSM: 1 [1 - **1** - **1**].
18 January 2001: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
19 January 2001: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
21 January 2001: South Africa: Animal Lodge: DNSM: 1 [1 - **1** - **1**].
22 January 2001: The Gambia: Central River division: SMF: 1 [1 - **1** - **1**].
23 January 2001: Tanzania: Tanga region: SMF: 3 [3 - **3** - **3**].
25 January 2001: South Africa: Forest Hills: DNSM: 1 [1 - **1** - **1**].
26 January 2001: South Africa: Kloof: DNSM: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 1 [1 - **1** - **2**].
27 January 2001: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].
28 January 2001: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
2 February 2001: Tanzania: Tanga region: SMF: 4 [4 - **4** - **4**].
6 February 2001: South Africa: Durban CBD: DNSM: 1 [1 - **1** - **1**].
7 February 2001: Tanzania: Tanga region: SMF: 5 [5 - **5** - **5**].
8 February 2001: Ethiopia: Koma Forest, 5 km N, 20 km W: BRTC: 1 [1 - **1** - **1**].
9 February 2001: Ethiopia: Koma Forest, 5 km N, 20 km W: BRTC: 3 [3 - **3** - **3**].
10 February 2001: Ethiopia: Koma Forest, 5 km N, 20 km W: BRTC: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 2 [2 - **2** - **3**].
11 February 2001: South Africa: New Castle: DNSM: 1 [1 - **1** - **1**].
12 February 2001: Congo (Democratic Republic of the): Unknown locality: SMF: 2 [2] - Kinshasa City province: SMF: 10 [10 - **12**].
Ethiopia: Bishan Waka Lake, E side shore: BRTC: 3 [3 - **3**].
South Africa: Amanzimtoti: DNSM: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 2 [2 - **2** - **18**].
13 February 2001: Congo: Likouala department: SMF: 1 [1 - **1**].
Ethiopia: Bishan Waka Lake, E side shore: BRTC: 5 [5 - **5** - **6**].
14 February 2001: Ethiopia: Abiy No. 3, 0.5 km S: BRTC: 4 [4] - Bishan Waka Lake, E side shore: BRTC: 2 [2 - **6** - **6**].
15 February 2001: Tanzania: Tanga region: SMF: 5 [5 - **5** - **5**].
16 February 2001: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
17 February 2001: Ethiopia: Bishan Waka Lake, E side shore: BRTC: 1 [1] - Bora River Bridge: BRTC: 5 [5 - **6** - **6**].
18 February 2001: Ethiopia: Bora River Bridge: BRTC: 2 [2] - Dogy River Bridge: BRTC: 2 [2 - **4**].
Tanzania: Tanga region: SMF: 1 [1 - **1** - **5**].
19 February 2001: South Africa: Durban: DNSM: 1 [1] - Umbilo: DNSM: 1 [1 - **2**].
Tanzania: Tanga region: SMF: 2 [2 - **2** - **4**].
20 February 2001: South Africa: Hartburg: DNSM: 1 [1] - Hartburg Bambi: DNSM: 1 [1 - **2**].

Tanzania: Tanga region: SMF: 2 [2 - **2** - **4**].
21 February 2001: Ethiopia: Dogy River Bridge: BRTC: 3 [3 - **3** - **3**].
22 February 2001: Ethiopia: Dogy River Bridge: BRTC: 15 [15 - **15**].
Tanzania: Tanga region: SMF: 4 [4 - **4** - **19**].
23 February 2001: Ethiopia: Dogy River Bridge: BRTC: 14 [14 - **14** - **14**].
25 February 2001: Ethiopia: Dogy River Bridge: BRTC: 20 [20 - **20** - **20**].
26 February 2001: Tanzania: Tanga region: SMF: 2 [2 - **2** - **2**].
28 February 2001: Congo (Democratic Republic of the): Unknown locality: SMF: 1 [1] - Kinshasa City province: SMF: 2 [2 - **3** - **3**].
2 March 2001: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
3 March 2001: South Africa: Insizwe Mine: DNSM: 7 [7 - **7** - **7**].
5 March 2001: Ethiopia: Didessa river bridge: BRTC: 7 [7 - **7** - **7**].
6 March 2001: Ethiopia: Satema, 1.5 km N, 0.5 km W: BRTC: 24 [24 - **24** - **24**].
7 March 2001: Ethiopia: Satema, 1.5 km N, 0.5 km W: BRTC: 4 [4 - **4**].
South Africa: KwaMakuta Township: DNSM: 1 [1 - **1** - **5**].
9 March 2001: South Africa: Boston, Virginia Farm: DNSM: 1 [1 - **1** - **1**].
11 March 2001: Mali: Mopti region: SMF: 2 [2 - **2** - **2**].
12 March 2001: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
13 March 2001: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
14 March 2001: South Africa: Reddersberg: DNSM: 1 [1 - **1** - **1**].
26 March 2001: South Africa: Schoemans farm "Laughing Waters": DNSM: 2 [2 - **2** - **2**].
28 March 2001: South Africa: Umkomaas: DNSM: 1 [1 - **1** - **1**].
1 April 2001: Tanzania: Pwani region: SMF: 3 [3 - **3** - **3**].
2 April 2001: South Africa: Jozini Dam: DNSM: 2 [2] - Pongolapoort Dam: DNSM: 6 [6 - **8** - **8**].
3 April 2001: South Africa: Mkaya Camp: DNSM: 4 [4 - **4** - **4**].
5 April 2001: South Africa: Bluff: DNSM: 1 [1 - **1** - **1**].
8 April 2001: Tanzania: Pwani region: SMF: 2 [2 - **2** - **2**].
13 April 2001: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
17 April 2001: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
18 April 2001: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
1 May 2001: South Africa: Bluff: DNSM: 1 [1 - **1** - **1**].
13 May 2001: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].
15 May 2001: Mali: Unknown locality: SMF: 2 [2 - **2** - **2**].
16 May 2001: Mali: Unknown locality: SMF: 3 [3 - **3** - **3**].
17 May 2001: The Gambia: Western division: SMF: 1 [1 - **1** - **1**].
18 May 2001: Tanzania: Pwani region: SMF: 1 [1 - **1** - **1**].
20 May 2001: The Gambia: Unknown locality: SMF: 3 [3] - Western division: SMF: 2 [2 - **5** - **5**].
21 May 2001: The Gambia: Western division: SMF: 1 [1 - **1** - **1**].
25 May 2001: The Gambia: Unknown locality: SMF: 3 [3 - **3** - **3**].
26 May 2001: Mozambique: Manhoe forest: DNSM: 1 [1 - **1**].
South Africa: Sabie Forest Rest Area: TM: 1 [1 - **1**].
The Gambia: Unknown locality: SMF: 10 [10 - **10** - **12**].
9 June 2001: Namibia: Farm Kanabeam 331: BRTC: 1 [1 - **1**].
South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **2**].
16 June 2001: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
17 June 2001: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
23 June 2001: Guinea: Gbaolé: MNHN: 1 [1 - **1** - **1**].
26 June 2001: Guinea: Gbaolé: MNHN: 8 [8 - **8** - **8**].
17 July 2001: Swaziland: Pine Valley: DNSM: 1 [1 - **1** - **1**].
22 July 2001: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
23 July 2001: Swaziland: Python Pool: DNSM: 1 [1 - **1** - **1**].
24 July 2001: Madagascar: Antafiky: FMNH: 2 [2 - **2**].
Tanzania: Tanga region: SMF: 2 [2 - **2** - **4**].
26 July 2001: Swaziland: Siphiso campsite: DNSM: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 2 [2 - **2** - **3**].
6 August 2001: South Africa: Soutpansberg: DNSM: 1 [1 - **1** - **1**].
11 August 2001: Ghana: Volta region: SMF: 7 [7] - Wli Waterfall: SMF: 2 [2 - **9** - **9**].
13 August 2001: Ghana: Volta region: SMF: 2 [2 - **2** - **2**].
14 August 2001: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
18 August 2001: Ghana: Volta region: SMF: 2 [2 - **2** - **2**].
22 August 2001: Ghana: Volta region: SMF: 2 [2 - **2** - **2**].
24 August 2001: Ghana: Shiare: SMF: 1 [1] - Volta region: SMF: 2 [2 - **3** - **3**].
26 August 2001: Ghana: Apesokubi: SMF: 1 [1] - Volta region: SMF: 2 [2] - Wli Waterfall: SMF: 1 [1 - **4** - **4**].
27 August 2001: Ghana: Volta region: SMF: 1 [1 - **1** - **1**].
29 August 2001: Ghana: Volta region: SMF: 2 [2 - **2** - **2**].
15 September 2001: Malawi: Balaka district: SMF: 1 [1 - **1** - **1**].
13 October 2001: Tanzania: Tanga region: SMF: 4 [4 - **4** - **4**].
20 October 2001: Tanzania: Tanga region: SMF: 5 [5 - **5** - **5**].
25 October 2001: South Africa: Umbilo: DNSM: 1 [1 - **1** - **1**].
1 November 2001: Madagascar: Grotte d'Andrafiabe, forêt près: FMNH: 1 [1 - **1**].
South Africa: Bluff: DNSM: 1 [1 - **1** - **2**].
4 November 2001: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1** - **1**].
5 November 2001: Madagascar: Daraina: FMNH: 2 [2 - **2** - **2**].
11 November 2001: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
13 November 2001: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
16 November 2001: Tanzania: Tanga region: SMF: 3 [3 - **3** - **3**].

20 November 2001: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
21 November 2001: Côte d'Ivoire: Unknown locality: SMF: 3 [3 - **3** - **3**].
24 November 2001: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
25 November 2001: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
27 November 2001: South Africa: Mount Moreland: DNSM: 1 [1 - **1** - **1**].
29 November 2001: South Africa: Umhlanga Reserve: DNSM: 1 [1 - **1**].
Tanzania: Tanga region: SMF: 5 [5 - **5** - **6**].
30 November 2001: South Africa: Khayalami Bay: DNSM: 1 [1 - **1** - **1**].
2 December 2001: Madagascar: PN de Bemaraha, south bank Manambolo River, near Tombeau Vazimba: FMNH: 1 [1 - **1**].
South Africa: Umhlanga Reserve: DNSM: 1 [1 - **1** - **2**].
8 December 2001: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
9 December 2001: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
21 December 2001: South Africa: Shongweni Dam: DNSM: 5 [5 - **5** - **5**].
1 January 2002: Benin: Unknown locality: ZMA: 1 [1 - **1**].
South Africa: Kamberg Valley: DNSM: 1 [1 - **1** - **2**].
10 January 2002: South Africa: Bellair: DNSM: 1 [1 - **1** - **1**].
1 February 2002: South Africa: Khayalami Bay: DNSM: 9 [9 - **9** - **9**].
10 February 2002: South Africa: Durban International Airport: DNSM: 1 [1 - **1** - **1**].
15 February 2002: South Africa: Umhalanga: DNSM: 1 [1 - **1** - **1**].
25 February 2002: South Africa: Umhlanga Reserve: DNSM: 1 [1 - **1** - **1**].
28 February 2002: Madagascar: Mitoho Cave, near: FMNH: 15 [15 - **15** - **15**].
4 March 2002: Madagascar: Malaza Manga Aven: FMNH: 1 [1 - **1** - **1**].
5 March 2002: Madagascar: Sept Lacs: FMNH: 1 [1 - **1** - **1**].
7 March 2002: South Africa: Glenwood: DNSM: 1 [1 - **1** - **1**].
13 March 2002: South Africa: Durban International Airport: DNSM: 1 [1 - **1** - **1**].
19 March 2002: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 March 2002: Côte d'Ivoire: Unknown locality: SMF: 1 [1 - **1** - **1**].
25 March 2002: Côte d'Ivoire: Unknown locality: SMF: 2 [2 - **2** - **2**].
30 March 2002: South Africa: Musgrave: DNSM: 1 [1 - **1** - **1**].
6 April 2002: South Africa: Pongola Bush NR.: DNSM: 1 [1 - **1** - **1**].
8 April 2002: South Africa: Manor Gardens: DNSM: 1 [1 - **1** - **1**].
11 April 2002: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
15 April 2002: South Africa: Kloof area: DNSM: 1 [1 - **1** - **1**].
30 April 2002: Mauritania: Terjit: EBD: 1 [1 - **1** - **1**].
7 May 2002: Madagascar: Ambanilia cave: FMNH: 11 [11 - **11** - **11**].
8 May 2002: Madagascar: Bisihiko cave: FMNH: 7 [7 - **7** - **7**].
12 May 2002: South Africa: Boston: DNSM: 1 [1 - **1** - **1**].
20 May 2002: South Africa: Manor Gardens: DNSM: 1 [1 - **1** - **1**].
21 May 2002: Zambia: Copperbelt province: SMF: 1 [1 - **1** - **1**].
4 June 2002: Madagascar: Mahaleotse: FMNH: 1 [1 - **1** - **1**].
8 June 2002: Morocco: Souq l'Arba N. Ayt Ahmad: EBD: 5 [5 - **5**].
Zambia: Copperbelt province: SMF: 2 [2 - **2** - **7**].
10 June 2002: Morocco: Wintimdouine cave: EBD: 3 [3 - **3**].
South Africa: Umbilo: DNSM: 1 [1 - **1**].
Tunisia: Gafsa governorate: SMF: 1 [1 - **1** - **5**].
14 June 2002: Morocco: Afnourir, lake: EBD: 1 [1 - **1** - **1**].
27 June 2002: South Africa: Glenwood: DNSM: 1 [1 - **1** - **1**].
9 July 2002: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
10 July 2002: Morocco: Moulay Abdessalam - Zinat, between: EBD: 1 [1 - **1** - **1**].
11 July 2002: Morocco: Bir Regaga, Kef Aïssa: EBD: 1 [1 - **1** - **1**].
13 July 2002: Morocco: Azrou: EBD: 1 [1] - Jorf El Roumi Nsebis cave: EBD: 1 [1 - **2** - **2**].
15 July 2002: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1** - **1**].
22 July 2002: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
24 July 2002: South Africa: Veralum: DNSM: 1 [1 - **1** - **1**].
25 July 2002: South Africa: Hells Gate: DNSM: 3 [3] - Hells Gate: DNSM: 3 [3 - **6** - **6**].
27 July 2002: South Africa: Umpila Cave: DNSM: 2 [2 - **2** - **2**].
31 July 2002: South Africa: Montclair: DNSM: 1 [1 - **1** - **1**].
2 August 2002: South Africa: Morningside: DNSM: 1 [1 - **1** - **1**].
6 August 2002: South Africa: Glenwood: DNSM: 1 [1 - **1** - **1**].
7 August 2002: Senegal: Bandafassi dispensarium: MNHN: 1 [1 - **1**].
South Africa: Winkelspruit: DNSM: 1 [1 - **1** - **2**].
11 August 2002: South Africa: Kloof: DNSM: 2 [2 - **2** - **2**].
16 August 2002: South Africa: Umgababa: DNSM: 1 [1 - **1** - **1**].
1 September 2002: South Africa: Illovo: DNSM: 1 [1 - **1** - **1**].
21 September 2002: Swaziland: Mhlume - Isherene Road: DNSM: 1 [1 - **1** - **1**].
1 October 2002: Madagascar: Andranomavo, 32 km NW: FMNH: 3 [3 - **3**].
Zambia: Copperbelt province: SMF: 1 [1 - **1** - **4**].
9 October 2002: Madagascar: Andranomavo, 26 km NW: FMNH: 6 [6 - **6** - **6**].
11 October 2002: Madagascar: Andranomavo, 22 km NW: FMNH: 3 [3 - **3** - **3**].
14 October 2002: Madagascar: Andranomavo, 32 km NW: FMNH: 15 [15 - **15** - **15**].
17 October 2002: South Africa: Kloof: DNSM: 1 [1 - **1** - **1**].
22 October 2002: South Africa: Doon Heights: DNSM: 1 [1 - **1** - **1**].
26 October 2002: South Africa: Nagle Dam: DNSM: 3 [3 - **3** - **3**].
11 November 2002: Madagascar: Marofihitsa, 13 km W: FMNH: 4 [4 - **4**].
Senegal: Unknown locality: SMF: 3 [3] - Tambacounda region: SMF: 1 [1 - **4** - **8**].
13 November 2002: Senegal: Unknown locality: SMF: 3 [3 - **3** - **3**].

16 November 2002: Madagascar: Marofihitsa, 11 km SE: FMNH: 11 [11 - **11** - **11**].
18 November 2002: Madagascar: Manahy, 0.75 km SW: FMNH: 2 [2 - **2** - **2**].
26 November 2002: South Africa: Illovo South: DNSM: 1 [1 - **1** - **1**].
27 November 2002: Madagascar: Fiherenana: FMNH: 2 [2 - **2** - **2**].
1 December 2002: Madagascar: Ranohira: FMNH: 6 [6 - **6** - **6**].
5 December 2002: South Africa: Kloof: DNSM: 1 [1 - **1** - **1**].
9 December 2002: Madagascar: Berenty-Betsileo, 28 km SE: FMNH: 1 [1 - **1** - **1**].
17 December 2002: South Africa: Eston: DNSM: 1 [1 - **1** - **1**].
29 December 2002: South Africa: Athlone Park: DNSM: 1 [1 - **1** - **1**].
30 December 2002: South Africa: Bluff: DNSM: 1 [1 - **1** - **1**].
4 January 2003: South Africa: Glen Anil: DNSM: 1 [1 - **1** - **1**].
1 February 2003: Madagascar: Forêt des Mikea: FMNH: 1 [1 - **1** - **1**].
2 February 2003: South Africa: Kloof: DNSM: 1 [1 - **1** - **1**].
7 February 2003: South Africa: Durban North: DNSM: 1 [1] - Manor Gardens: DNSM: 1 [1 - **2** - **2**].
14 February 2003: Madagascar: Forêt des Mikea: FMNH: 4 [4 - **4** - **4**].
20 February 2003: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].
6 March 2003: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
12 March 2003: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
15 March 2003: Zambia: Copperbelt province: SMF: 1 [1 - **1** - **1**].
1 April 2003: Madagascar: Forêt d'Ampirojoa: FMNH: 1 [1 - **1** - **1**].
4 April 2003: South Africa: Umdloti: DNSM: 1 [1 - **1** - **1**].
22 April 2003: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
24 April 2003: South Africa: Umdloti: DNSM: 1 [1 - **1** - **1**].
22 June 2003: Rwanda: Ruhengeri: SMF: 2 [2 - **2** - **2**].
25 June 2003: Rwanda: Ruhengeri: SMF: 1 [1 - **1** - **1**].
3 July 2003: Rwanda: Ruhengeri: SMF: 1 [1 - **1** - **1**].
11 July 2003: South Africa: Umbilo: DNSM: 1 [1 - **1** - **1**].
12 July 2003: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
28 July 2003: South Africa: Cowies Hill: DNSM: 1 [1 - **1** - **1**].
12 August 2003: South Africa: Glenwood: DNSM: 1 [1 - **1** - **1**].
16 August 2003: Madagascar: Ranobe: FMNH: 1 [1 - **1** - **1**].
11 September 2003: South Africa: Durban International Airport: DNSM: 2 [2 - **2** - **2**].
18 September 2003: South Africa: Charter's Creek: DNSM: 2 [2 - **2** - **2**].
20 September 2003: South Africa: Umbilo: DNSM: 1 [1 - **1** - **1**].
27 September 2003: South Africa: Winkelspruit: DNSM: 1 [1 - **1** - **1**].
1 October 2003: South Africa: Harkerville Forest: DNSM: 2 [2 - **2** - **2**].
6 October 2003: South Africa: Berea: DNSM: 1 [1 - **1** - **1**].
1 November 2003: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
3 November 2003: Ghana: Krokosua Hills Forest Reserve: ZFMK: 1 [1 - **1** - **1**].
4 November 2003: Ghana: Krokosua Hills Forest Reserve: ZFMK: 1 [1 - **1** - **1**].
11 November 2003: Ghana: Krokosua Hills Forest Reserve: ZFMK: 1 [1 - **1**].
South Africa: Palmiet Nature Reserve: DNSM: 1 [1 - **1** - **2**].
19 December 2003: South Africa: Forest Hills: DNSM: 1 [1 - **1** - **1**].
1 January 2004: Madagascar: Grotte de Bazaribe: FMNH: 13 [13 - **13**].
South Africa: Sea View, Durban: DNSM: 1 [1] - Umbilo: DNSM: 1 [1 - **1** - **1** - **1**]. - **14**].
4 January 2004: South Africa: Carrington Heights: DNSM: 1 [1 - **1** - **1**].
27 February 2004: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
29 February 2004: South Africa: New Germany: DNSM: 1 [1 - **1** - **1**].
23 March 2004: South Africa: Punda Maria Camp: KU: 2 [2 - **2** - **2**].
27 March 2004: South Africa: Letaba Camp: KU: 6 [6 - **6** - **6**].
14 April 2004: South Africa: Nkandla Forest Reserve: DNSM: 3 [3 - **3** - **3**].
24 April 2004: Senegal: Lengué Kountou: IVB: 2 [2 - **2** - **2**].
26 April 2004: Senegal: Lengué Kountou: IVB: 3 [3 - **3** - **3**].
2 May 2004: South Africa: Shongweni Dam: DNSM: 1 [1 - **1** - **1**].
4 May 2004: Senegal: Lengué Kountou: IVB: 4 [4 - **4** - **4**].
5 May 2004: Senegal: Lengué Kountou: IVB: 4 [4 - **4** - **4**].
6 May 2004: Senegal: Lengué Kountou: IVB: 1 [1 - **1** - **1**].
7 May 2004: Senegal: Lengué Kountou: IVB: 2 [2 - **2** - **2**].
9 May 2004: Senegal: Lengué Kountou: IVB: 1 [1 - **1** - **1**].
15 May 2004: South Africa: Dumisa Gold Mine: DNSM: 1 [1 - **1** - **1**].
17 May 2004: South Africa: Morningside: DNSM: 1 [1 - **1** - **1**].
27 May 2004: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
17 June 2004: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
19 August 2004: South Africa: Palmiet Nature Reserve: DNSM: 1 [1 - **1** - **1**].
24 September 2004: Swaziland: Kubuta: DNSM: 2 [2 - **2** - **2**].
25 September 2004: Swaziland: Kubuta: DNSM: 4 [4 - **4** - **4**].
28 September 2004: South Africa: Mountainland Nature Reserve: DNSM: 1 [1 - **1** - **1**].
1 October 2004: Madagascar: Mitoho cave, near: FMNH: 2 [2 - **2** - **2**].
5 October 2004: Swaziland: Mlawula Nature Reserve: DNSM: 2 [2 - **2** - **2**].
6 October 2004: Swaziland: Mlawula Nature Reserve: DNSM: 1 [1 - **1** - **1**].
23 October 2004: Swaziland: Nottinghill Mine: DNSM: 2 [2] - Piggs Peak Mine: DNSM: 3 [3] - Pigg's Peak Mine: DNSM: 1 [1 - **6** - **6**].
27 October 2004: Swaziland: Lomati Gold Mine: DNSM: 3 [3 - **3** - **3**].
30 October 2004: Senegal: Simenti: IVB: 2 [2 - **2**].
South Africa: Nagle Dam Lodge: DNSM: 1 [1 - **1** - **3**].
1 November 2004: Madagascar: Andranomilitry, cave: FMNH: 4 [4 - **4** - **4**].

4 November 2004: Senegal: Simenti: IVB: 1 [1 - **1** - **1**].
10 November 2004: Swaziland: Miawula Nature Reserve: DNSM: 1 [1 - **1** - **1**].
11 November 2004: Senegal: Bacadadgi: IVB: 3 [3 - **3** - **3**].
16 November 2004: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
6 December 2004: Swaziland: Mlawula Nature Reserve: DNSM: 2 [2 - **2** - **2**].
11 December 2004: Rwanda: Gisenyi: SMF: 1 [1 - **1** - **1**].
15 December 2004: South Africa: Alverstone Lot 514: DNSM: 1 [1 - **1** - **1**].
31 December 2004: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
1 January 2005: Congo: Unknown locality: ZMA: 1 [1 - **1**].
Madagascar: Forêt d'Ampitiliantsambo: FMNH: 2 [2 - **2** - **3**].
6 January 2005: South Africa: Brighton Beach: DNSM: 1 [1 - **1** - **1**].
8 January 2005: Swaziland: Wylesdale Gold Mine: DNSM: 4 [4 - **4** - **4**].
1 February 2005: Madagascar: Androimpano Cave: FMNH: 9 [9 - **9** - **9**].
5 February 2005: Swaziland: Maguga Dam: DNSM: 1 [1 - **1** - **1**].
18 February 2005: Madagascar: Itampolo: FMNH: 5 [5 - **5** - **5**].
19 February 2005: Senegal: Lengué Kountou: IVB: 3 [3 - **3** - **3**].
20 February 2005: Senegal: Lengué Kountou: IVB: 5 [5 - **5** - **5**].
21 February 2005: Senegal: Lengué Kountou: IVB: 2 [2 - **2** - **2**].
22 February 2005: Madagascar: Andraimpano cave: FMNH: 10 [10 - **10** - **10**].
23 February 2005: South Africa: Sodwana Bay Estuary: DNSM: 1 [1 - **1** - **1**].
24 February 2005: Senegal: Gué de Sambaillou: IVB: 2 [2 - **2** - **2**].
26 February 2005: Madagascar: Antagneotsy cave: FMNH: 1 [1 - **1** - **1**].
27 February 2005: Senegal: Dalaba: IVB: 2 [2 - **2** - **2**].
2 March 2005: Senegal: Simenti: IVB: 1 [1 - **1** - **1**].
3 March 2005: Senegal: Camp des Lions – forest next to the river: IVB: 1 [1 - **1** - **1**].
4 March 2005: Senegal: Simenti: IVB: 4 [4 - **4** - **4**].
24 March 2005: Swaziland: Mlawula Nature Reserve: DNSM: 1 [1 - **1** - **1**].
25 March 2005: Swaziland: Mlawula Nature Reserve: DNSM: 1 [1 - **1** - **1**].
26 March 2005: Swaziland: Mlawula Nature Reserve: DNSM: 1 [1 - **1** - **1**].
1 April 2005: Madagascar: Marovaza, 4.2 km SE: FMNH: 2 [2 - **2** - **2**].
7 April 2005: South Africa: Ocean View Farm: DNSM: 3 [3 - **3** - **3**].
15 April 2005: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].
20 April 2005: South Africa: Gramstown: DNSM: 1 [1 - **1** - **1**].
7 May 2005: South Africa: Mansiya: DNSM: 2 [2] - Mansiya Valley: DNSM: 1 [1 - **3** - **3**].
14 May 2005: South Africa: Fort Yellond Farm: DNSM: 2 [2 - **2** - **2**].
15 May 2005: South Africa: Melmoth: DNSM: 6 [6] - Stan Hope Mine: DNSM: 3 [3 - **9** - **9**].
17 May 2005: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
20 May 2005: Malawi: Karonga: SMF: 3 [3 - **3** - **3**].
21 May 2005: Malawi: Karonga: SMF: 2 [2 - **2** - **2**].
24 May 2005: Swaziland: Ndlovu Camp: DNSM: 2 [2 - **2** - **2**].
27 May 2005: Malawi: Karonga: SMF: 4 [4 - **4** - **4**].
29 May 2005: Madagascar: Amborombe cave: FMNH: 1 [1 - **1** - **1**].
6 June 2005: Malawi: Unknown locality: SMF: 2 [2 - **2** - **2**].
21 June 2005: Malawi: Unknown locality: SMF: 3 [3 - **3** - **3**].
22 June 2005: Malawi: Unknown locality: SMF: 1 [1 - **1** - **1**].
27 June 2005: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
3 July 2005: Malawi: Unknown locality: SMF: 1 [1 - **1** - **1**].
5 July 2005: Malawi: Unknown locality: SMF: 1 [1 - **1**].
Swaziland: Rosecraft: DNSM: 1 [1 - **1** - **2**].
17 July 2005: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].
24 July 2005: South Africa: Montclair: DNSM: 1 [1 - **1** - **1**].
25 July 2005: South Africa: Kloof: DNSM: 1 [1 - **1** - **1**].
8 August 2005: South Africa: Yellowwood Park: DNSM: 1 [1 - **1** - **1**].
13 August 2005: Swaziland: Barites Mine: DNSM: 4 [4 - **4** - **4**].
29 August 2005: Swaziland: Hlane Nature Reserve: DNSM: 1 [1] - Sundwini: DNSM: 2 [2 - **3** - **3**].
30 August 2005: Swaziland: Sundwini: DNSM: 1 [1 - **1** - **1**].
2 September 2005: Swaziland: Ebaleni: DNSM: 1 [1 - **1** - **1**].
5 September 2005: Swaziland: Siweni Riparian Site: DNSM: 2 [2 - **2** - **2**].
6 September 2005: Swaziland: Siweni Riparian Site: DNSM: 1 [1 - **1** - **1**].
13 September 2005: Swaziland: Barites Mine: DNSM: 2 [2 - **2** - **2**].
15 September 2005: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
24 September 2005: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
3 October 2005: South Africa: Queen Elizabeth Park: DNSM: 1 [1 - **1** - **1**].
18 October 2005: South Africa: Drakensig: DNSM: 3 [3 - **3** - **3**].
28 October 2005: South Africa: Berea: DNSM: 1 [1 - **1** - **1**].
15 November 2005: South Africa: Brighton Beach: DNSM: 1 [1 - **1** - **1**].
2 December 2005: Senegal: Dar Salam: IVB: 1 [1 - **1** - **1**].
3 December 2005: Senegal: Dar Salam: IVB: 4 [4 - **4** - **4**].
4 December 2005: Senegal: Dar Salam: IVB: 2 [2 - **2** - **2**].
12 December 2005: Senegal: Dindéfélo – next to the stream: IVB: 3 [3 - **3** - **3**].
14 December 2005: Senegal: Dindéfélo – next to the stream II: IVB: 1 [1] - Mako – camp: IVB: 1 [1 - **2** - **2**].
16 December 2005: Senegal: Tambacounda – Parc National de Niokolo-Koba: IVB: 1 [1 - **1**].
South Africa: Manor Gardens: DNSM: 1 [1 - **1** - **2**].
16 January 2006: South Africa: New Germany: DNSM: 1 [1 - **1** - **1**].
25 January 2006: South Africa: Glenwood: DNSM: 1 [1] - Umgeni Heights: DNSM: 2 [2 - **3** - **3**].
2 February 2006: South Africa: Warmer Beach: DNSM: 1 [1 - **1** - **1**].

9 February 2006: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
14 February 2006: Madagascar: Station Forestière d'Antanampoera, on trail to: FMNH: 1 [1 - **1** - **1**].
18 February 2006: South Africa: Shongweni Dam: DNSM: 1 [1 - **1** - **1**].
26 February 2006: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].
15 March 2006: Swaziland: Mbuluzi Game Reserve: DNSM: 1 [1 - **1** - **1**].
18 March 2006: Swaziland: Mkhaya Game Reserve: DNSM: 2 [2 - **2** - **2**].
22 March 2006: Swaziland: Mlawula Nature Reserve: DNSM: 1 [1 - **1** - **1**].
23 March 2006: South Africa: Durban International Airport: DNSM: 2 [2 - **2** - **2**].
24 March 2006: South Africa: Tembe Elephant Park, east of HQ, pan: DNSM: 7 [7 - **7** - **7**].
19 April 2006: Swaziland: Ndlovu Camp: DNSM: 1 [1 - **1** - **1**].
20 April 2006: Swaziland: Ndlovu Camp: DNSM: 1 [1 - **1** - **1**].
21 April 2006: South Africa: Cowies Hill: DNSM: 1 [1 - **1** - **1**].
1 May 2006: South Africa: Blythedale Beach, Minivillas: DNSM: 1 [1 - **1** - **1**].
3 May 2006: Swaziland: Mbuluzi Game Reserve: DNSM: 1 [1 - **1** - **1**].
4 May 2006: Swaziland: Mbuluzi Game Reserve: DNSM: 1 [1 - **1** - **1**].
5 May 2006: Swaziland: Malolotja Nature Reserve: DNSM: 1 [1 - **1** - **1**].
11 May 2006: South Africa: Blythedale Beach, Minivillas: DNSM: 3 [3 - **3** - **3**].
25 May 2006: South Africa: Waterfall: DNSM: 1 [1 - **1** - **1**].
7 June 2006: Cameroon: Fort Foureau: MNHN: 1 [1 - **1**].
Swaziland: Mlawula weir: DNSM: 1 [1 - **1** - **2**].
10 June 2006: Mozambique: Palmiera: DNSM: 1 [1 - **1** - **1**].
11 June 2006: Mozambique: Chokwe, Limpopo Bridge: DNSM: 1 [1] - Mepuze: DNSM: 2 [2] - Mepuze, S of: DNSM: 1 [1 - **4**].
South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **5**].
12 June 2006: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
13 June 2006: Mozambique: Massangena: DNSM: 1 [1 [6 - **1** - **6**].
South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**]. - **7**].
14 June 2006: Mozambique: Buzi River: DNSM: 4 [4 - **4** - **4**].
15 June 2006: Mozambique: Chinizuia Forest: DNSM: 9 [9 - **9** - **9**].
16 June 2006: Mozambique: Cheringoma Caves: DNSM: 7 [7] - Gorongosa, E: DNSM: 1 [1] - Gorongoza caves: DNSM: 1 [1 - **9** - **9**].
17 June 2006: Mozambique: Caia Lodge: DNSM: 2 [2 - **2** - **2**].
18 June 2006: Mozambique: Gurué Tea Plantation: DNSM: 8 [8 - **8** - **8**].
19 June 2006: Mozambique: Gurué Tea Plantation: DNSM: 3 [3 - **3** - **3**].
20 June 2006: Mozambique: Gurué Tea Plantation: DNSM: 11 [11] - Meponda: DNSM: 1 [1 - **12** - **12**].
21 June 2006: Mozambique: Ribaue, 27 km W: DNSM: 1 [1 [11 - **1** - **11** - **1**]. - **11**].
22 June 2006: Mozambique: Namapa: DNSM: 5 [5 - **5** - **5**].
23 June 2006: Mozambique: Pemba: DNSM: 1 [1] - Pemba, SW of: DNSM: 2 [2 - **3** - **3**].
24 June 2006: Mozambique: Pemba: DNSM: 2 [2 - **2** - **2**].
25 June 2006: Mozambique: Balama Coutada: DNSM: 2 [2 - **2** - **2**].
28 June 2006: Mozambique: Meponda: DNSM: 12 [12] - Meponda, 10 km E: DNSM: 1 [1 - **13** - **13**].
29 June 2006: Mozambique: Meponda: DNSM: 1 [1] - Meponda, 10 km E: DNSM: 1 [1] - Meponda, 6 km E: DNSM: 1 [1] - Meponda, 6 km from: DNSM: 2 [2 - **5**].
South Africa: Kloof: DNSM: 1 [1 - **1** - **6**].
30 June 2006: Mozambique: Niassa Game Reserve: DNSM: 15 [15] - Niassa Game Reserve, S of: DNSM: 1 [1 - **16** - **16**].
1 July 2006: Mozambique: Maputo Camp: DNSM: 5 [5 - **5** - **5**].
2 July 2006: Mozambique: Maputo Camp: DNSM: 1 [1 - **1** - **1**].
3 July 2006: Mozambique: Nkuli Camp: DNSM: 11 [11 - **11** - **11**].
4 July 2006: Mozambique: Niassa Game Reserve: DNSM: 4 [4 - **4** - **4**].
15 July 2006: South Africa: Forest Hills: DNSM: 1 [1 - **1** - **1**].
29 July 2006: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
30 July 2006: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
1 August 2006: South Africa: Kingsburgh: DNSM: 1 [1] - Kububе Hide: DNSM: 1 [1 - **2** - **2**].
6 August 2006: Senegal: Tambacounda: IVB: 3 [3 - **3**].
Tanzania: Kipangani village: FMNH: 3 [3] - Pemba island: FMNH: 1 [1 - **4** - **3**]. - **4**].
7 August 2006: Senegal: Dar Salam: IVB: 1 [1 - **1** - **1**].
8 August 2006: South Africa: Kububе Hide: DNSM: 4 [4] - Kumsinga Hide: DNSM: 2 [2] - uMkhuze Game Reserve: DNSM: 1 [1 - **7** - **7**].
15 August 2006: Senegal: Simenti: IVB: 5 [5 - **5** - **5**].
16 August 2006: South Africa: Scottburgh area: DNSM: 1 [1 - **1** - **1**].
17 August 2006: South Africa: uMkhuze Game Reserve: DNSM: 3 [3 - **3** - **3**].
22 August 2006: Senegal: Mako: IVB: 1 [1 - **1**].
South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **2**].
23 August 2006: South Africa: Amanzimtoti: DNSM: 1 [1] - Kumsinga Hide: DNSM: 1 [1 - **2**].
Tanzania: Minziro Forest Reserve: FMNH: 2 [2 - **2** - **2**]. - **2**].
25 August 2006: Senegal: Dar Salam: IVB: 1 [1 - **1** - **1**].
27 August 2006: Mozambique: Gerhard's Cave: DNSM: 1 [1 - **1** - **1**].
3 September 2006: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
8 September 2006: South Africa: Kumsinga Hide: DNSM: 1 [1 - **1** - **1**].
11 September 2006: South Africa: Waterfall: DNSM: 1 [1 - **1** - **1**].
17 September 2006: South Africa: Glenwood: DNSM: 1 [1] - Umbilo: DNSM: 1 [1 - **2** - **2**].
19 September 2006: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].
12 October 2006: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
19 October 2006: South Africa: Glenwood: DNSM: 1 [1 - **1** - **1**].
1 November 2006: South Africa: Belfonan: DNSM: 1 [1 - **1** - **1**].
4 November 2006: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
9 November 2006: South Africa: Waterfall: DNSM: 1 [1 - **1** - **1**].

14 November 2006: Comoros: Moroni oasis: FMNH: 4 [4] - Moroni-Hahaia Airport entrance gate, 0.5 km N: FMNH: 14 [14 - **18**].
South Africa: Hilton: DNSM: 1 [1 - **1** - **18**]. - **1**].
15 November 2006: Comoros: Panga Pachwa Meyembe: FMNH: 10 [10 - **10** - **10**].
16 November 2006: Comoros: Nyamaoui Panga [= Panga Chilamouinani]: FMNH: 34 [34 - **34** - **34**].
17 November 2006: Comoros: above Boboni, on trail towards La Convalescence: FMNH: 1 [1 - **1** - **1**].
18 November 2006: Comoros: above Boboni, on trail towards La Convalescence: FMNH: 3 [3 - **3** - **3**].
20 November 2006: Comoros: Patsi: FMNH: 8 [8 - **8** - **8**].
21 November 2006: Comoros: Grotte de Hamapoudre: FMNH: 14 [14] - Grotte de Mangamitsano, between Bambao and Col de Patsi: FMNH: 6 [6] - Patsi: FMNH: 3 [3 - **23** - **23**].
22 November 2006: Comoros: Grotte de Hapira, near Limbi along Trondroni River: FMNH: 2 [2] - near col de Patsi: FMNH: 2 [2 - **4**].
South Africa: Middle Garage: DNSM: 1 [1 - **1** - **4**]. - **1**].
23 November 2006: Comoros: Chandra Primary School: FMNH: 2 [2 - **2** - **2**].
24 November 2006: Comoros: Grotte de Buémoukolo: FMNH: 13 [13] - Lac de Dzialande: FMNH: 9 [9 - **22** - **22**].
26 November 2006: Comoros: between Moya and Pomoni, Bouélaouvanga Tunnel along RN 23: FMNH: 5 [5 - **5** - **5**].
30 November 2006: Comoros: Ouallah I: FMNH: 7 [7 - **7** - **7**].
1 December 2006: Comoros: near Ouallah I, along Akomodjou River: FMNH: 3 [3 - **3** - **3**].
2 December 2006: Mozambique: Mount Chiperone: DNSM: 3 [3 - **3** - **3**].
5 December 2006: South Africa: Amatikulu Mountain: DNSM: 1 [1 - **1** - **1**].
6 December 2006: Comoros: Panga Milembeni: FMNH: 7 [7 - **7** - **7**].
1 February 2007: Malawi: Madzeka hut: DNSM: 1 [1 - **1** - **1**].
4 February 2007: Senegal: Dar Salam: IVB: 2 [2] - Niériko – bridge: IVB: 27 [27 - **29**].
South Africa: Pinetown: DNSM: 1 [1 - **1** - **30**].
8 February 2007: Senegal: Lengué Kountou: IVB: 10 [10 - **10** - **10**].
9 February 2007: Senegal: Lengué Kountou: IVB: 2 [2 - **2** - **2**].
11 February 2007: Senegal: Simenti: IVB: 17 [17 - **17** - **17**].
12 February 2007: Senegal: Gué du Damantan: IVB: 8 [8 - **8**].
South Africa: Madikwe Game Reserve: TM: 3 [3 - **3** - **11**].
13 February 2007: Senegal: Simenti: IVB: 2 [2 - **2** - **2**].
14 February 2007: Senegal: Dar Salam: IVB: 1 [1 - **1** - **1**].
15 February 2007: Senegal: Niokolo: IVB: 19 [19 - **19**].
South Africa: Bayete Camp: DNSM: 9 [9 - **9** - **28**].
16 February 2007: Senegal: Mount Assirik: IVB: 20 [20 - **20**].
South Africa: Phinda Game Reserve, Forest Lodge: DNSM: 2 [2 - **2** - **22**].
17 February 2007: South Africa: Mziki Pan: DNSM: 4 [4 - **4** - **4**].
18 February 2007: Senegal: Niériko: IVB: 20 [20 - **20** - **20**].
21 February 2007: Senegal: Hahn – Dakar: IVB: 15 [15 - **15** - **15**].
27 February 2007: Mayotte: Coconi: FMNH: 5 [5 - **5**].
South Africa: Amanzimtoti: DNSM: 1 [1] - Kloof: DNSM: 1 [1] - Umkomaas: DNSM: 1 [1 - **3** - **5**]. - **3**].
1 March 2007: Mayotte: Poroani: FMNH: 2 [2 - **2** - **2**].
10 March 2007: Swaziland: Python Pool: DNSM: 1 [1 - **1** - **1**].
13 March 2007: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1** - **1**].
17 March 2007: South Africa: Yellowwood Park, Kenneth Stainbank Nature Reserve: DNSM: 1 [1 - **1** - **1**].
20 March 2007: South Africa: Scottburgh: DNSM: 1 [1 - **1** - **1**].
27 March 2007: Swaziland: Python Pool: DNSM: 3 [3 - **3** - **3**].
28 March 2007: Comoros: Moroni oasis: FMNH: 4 [4 - **4**].
Swaziland: Python Pool: DNSM: 1 [1 - **1** - **4**]. - **1**].
31 March 2007: Comoros: Mohoro Cultural Center: FMNH: 2 [2 - **2** - **2**].
1 April 2007: Comoros: Dima Primary School: FMNH: 2 [2 - **2** - **2**].
2 April 2007: Comoros: Moroni-Hahaia Airport entrance gate, 0.5 km N: FMNH: 2 [2 - **2** - **2**].
12 May 2007: South Africa: Nagle Dam: DNSM: 1 [1] - Nagle Dam fish hatchery: DNSM: 1 [1] - Nagle Dam Lodge: DNSM: 5 [5 - **7** - **7**].
22 May 2007: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
1 June 2007: Malawi: Mulanje and Blantyre, road between: DNSM: 1 [1 - **1** - **1**].
7 June 2007: South Africa: Waterfall: DNSM: 1 [1 - **1** - **1**].
13 June 2007: South Africa: Hectorspruit: DNSM: 1 [1 - **1** - **1**].
1 July 2007: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
3 July 2007: South Africa: Lajuma Mountain Reserve: DNSM: 1 [1 - **1** - **1**].
13 July 2007: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
19 July 2007: South Africa: Kumsinga Hide: DNSM: 2 [2] - uMkhuze Game Reserve: DNSM: 1 [1 - **3** - **3**].
21 July 2007: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
24 July 2007: Tanzania: Chugu Peak, near: FMNH: 1 [1 - **1** - **1**].
27 July 2007: South Africa: Mantuma Camp: DNSM: 2 [2] - uMkhuze Game Reserve: DNSM: 1 [1 - **3** - **3**].
30 July 2007: South Africa: Kumasinga Pan: DNSM: 1 [1 - **1** - **1**].
31 July 2007: Swaziland: Mlawula Nature Reserve: DNSM: 1 [1 - **1** - **1**].
1 August 2007: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
6 August 2007: South Africa: Kumsinga Hide: DNSM: 3 [3 - **3** - **3**].
8 August 2007: South Africa: uMkhuze Game Reserve: DNSM: 2 [2 - **2**].
Swaziland: Mbuluzi Game Reserve, 3rd river crossing: DNSM: 1 [1 - **1** - **3**].
9 August 2007: Swaziland: Mbuluzi Game Reserve: DNSM: 1 [1] - Mbuluzi Game Reserve, 3rd river crossing: DNSM: 1 [1 - **2** - **2**].
11 August 2007: Swaziland: Python Pool: DNSM: 1 [1 - **1** - **1**].
13 August 2007: South Africa: Malibali hide: DNSM: 4 [4 - **4** - **4**].
16 August 2007: South Africa: Berg-en-Dal: DNSM: 1 [1 - **1** - **1**].
17 August 2007: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
19 August 2007: South Africa: Mkuze: DNSM: 3 [3 - **3** - **3**].

23 August 2007: Tanzania: Zanzibar: FMNH: 8 [8 - **8** - **8**].
1 September 2007: South Africa: Nibela peninsula: DNSM: 2 [2 - **2**].
Tanzania: Mikumi National Park: FMNH: 1 [1 - **1** - **1**]. - **2**].
20 September 2007: Senegal: Dar Salam: IVB: 1 [1 - **1** - **1**].
3 October 2007: Mozambique: Gerhard's Cave: DNSM: 1 [1 - **1** - **1**].
14 October 2007: South Africa: Pongolapoort Dam: DNSM: 56 [56 - **56** - **56**].
19 November 2007: Cameroon: Nkoélon village: MNHN: 2 [2 - **2** - **2**].
20 November 2007: Cameroon: Nkoélon village: MNHN: 6 [6 - **6** - **6**].
21 November 2007: Cameroon: Nkoélon village: MNHN: 7 [7 - **7** - **7**].
23 November 2007: Cameroon: Mbonde Pygmee: MNHN: 2 [2 - **2** - **2**].
24 November 2007: Cameroon: Nkoélon village: MNHN: 1 [1 - **1** - **1**].
25 November 2007: Cameroon: Nkoélon village: MNHN: 1 [1 - **1** - **1**].
26 November 2007: Madagascar: Ambanizana: FMNH: 1 [1 - **1**].
South Africa: uMkhuze Game Reserve: DNSM: 3 [3 - **3** - **4**].
27 November 2007: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
29 November 2007: Cameroon: Nemeyong I: MNHN: 2 [2 - **2** - **2**].
30 November 2007: Cameroon: Malene I village: MNHN: 5 [5] - Nemeyong I: MNHN: 1 [1 - **6** - **6**].
1 December 2007: Cameroon: Nemeyong I: MNHN: 1 [1] - Nkolé Koul village: MNHN: 1 [1 - **2** - **2**].
6 December 2007: Cameroon: Mana bridge: MNHN: 4 [4 - **4** - **4**].
7 December 2007: Cameroon: Mana bridge: MNHN: 7 [7 - **7** - **7**].
8 December 2007: Cameroon: Mana bridge: MNHN: 5 [5 - **5** - **5**].
14 December 2007: South Africa: Taung World Heritage Site: TM: 1 [1 - **1** - **1**].
15 December 2007: South Africa: Taung: TM: 2 [2] - Taung World Heritage Site: TM: 5 [5 - **7** - **7**].
16 December 2007: South Africa: Howick: DNSM: 1 [1 - **1** - **1**].
21 December 2007: Mozambique: Magude-Mapulenguene: DNSM: 1 [1 [4 - **1** - **4** - **1**]. - **4**].
22 December 2007: Mozambique: Rio Wanetsi: DNSM: 1 [1 - **1** - **1**].
23 December 2007: Mozambique: Bidenguele: DNSM: 1 [1 - **1** - **1**].
24 December 2007: Mozambique: Save River, south of bridge on EN1: DNSM: 6 [6 - **6** - **6**].
25 December 2007: Mozambique: Casa Msika lodge: DNSM: 2 [2 - **2** - **2**].
26 December 2007: South Africa: Everton: DNSM: 1 [1 - **1** - **1**].
28 December 2007: Mozambique: Gorongoza National Park: DNSM: 1 [1 - **1** - **1**].
30 December 2007: Mozambique: Envirotrade site: DNSM: 3 [3 - **3** - **3**].
1 January 2008: Mozambique: Manho Forest: DNSM: 1 [1 - **1**].
South Africa: Kingsburgh: DNSM: 1 [1 - **1** - **2**].
17 January 2008: South Africa: Nibela peninsula: DNSM: 2 [2 - **2** - **2**].
18 January 2008: South Africa: Nibela peninsula: DNSM: 1 [1 - **1** - **1**].
19 January 2008: South Africa: Nibela peninsula: DNSM: 6 [6] - uMkhuze Game Reserve: DNSM: 1 [1 - **7** - **7**].
20 January 2008: South Africa: Nibela peninsula: DNSM: 1 [1] - Sibengu Lodge: DNSM: 2 [2 - **3** - **3**].
22 January 2008: South Africa: Nibela peninsula: DNSM: 2 [2] - uMkhuze Game Reserve: DNSM: 7 [7 - **9** - **9**].
7 February 2008: South Africa: Carolina: DNSM: 1 [1 - **1** - **1**].
25 February 2008: Guinea: Whiskey 1: ZFMK: 9 [9 - **9** - **9**].
26 February 2008: South Africa: Kingsburgh: DNSM: 1 [1 - **1** - **1**].
1 March 2008: Guinea: Oueleba: ZFMK: 3 [3 - **3** - **3**].
3 March 2008: Guinea: Oueleba: ZFMK: 1 [1] - Whiskey 1: ZFMK: 3 [3 - **4** - **4**].
7 March 2008: Guinea: Foko Confluence: ZFMK: 10 [10 - **10** - **10**].
8 March 2008: Guinea: Foko Confluence: ZFMK: 4 [4 - **4**].
South Africa: Koegelbeen Cave: DNSM: 1 [1 - **1** - **5**].
9 March 2008: Guinea: Foko Confluence: ZFMK: 2 [2] - Pic de Foko: ZFMK: 1 [1 - **3** - **3**].
14 March 2008: Guinea: Tourela, 2.3 km E: ZFMK: 2 [2 - **2** - **2**].
15 March 2008: Guinea: Tourela, 2.3 km E: ZFMK: 2 [2 - **2** - **2**].
17 March 2008: Guinea: Pic de Foko: ZFMK: 2 [2 - **2** - **2**].
18 March 2008: Guinea: Pic de Foko: ZFMK: 1 [1 - **1** - **1**].
25 March 2008: South Africa: Kranzkloof Nature Reserve: DNSM: 4 [4 - **4** - **4**].
26 March 2008: South Africa: Kranzkloof Nature Reserve: DNSM: 2 [2 - **2** - **2**].
27 March 2008: South Africa: Kenneth Stainbank Nature Reserve: DNSM: 1 [1 - **1** - **1**].
28 March 2008: South Africa: Koegelbeen Cave: DNSM: 4 [4 - **4**].
Swaziland: Python Pool: DNSM: 1 [1 - **1** - **5**].
29 March 2008: South Africa: Kranzkloof Nature Reserve: DNSM: 1 [1 - **1** - **1**].
30 March 2008: South Africa: Hopefield: DNSM: 4 [4 - **4** - **4**].
8 April 2008: South Africa: Hillcrest: DNSM: 1 [1 - **1** - **1**].
10 April 2008: Swaziland: Mbuluzi Game Reserve: DNSM: 1 [1 - **1** - **1**].
12 April 2008: South Africa: Yellowwood Park: DNSM: 1 [1 - **1** - **1**].
7 May 2008: South Africa: Paradise Valley Nature Reserve: DNSM: 6 [6 - **6** - **6**].
3 June 2008: Mozambique: Massangena: DNSM: 1 [1 - **1** - **1**].
8 July 2008: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
9 July 2008: South Africa: Mantuma Camp: DNSM: 4 [4] - uMkhuze Game Reserve: DNSM: 1 [1 - **5** - **5**].
12 July 2008: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
16 July 2008: South Africa: Mantuma Camp: DNSM: 1 [1 - **1** - **1**].
17 July 2008: South Africa: Kumasinga Pan: DNSM: 2 [2 - **2** - **2**].
22 July 2008: South Africa: Athlone Park: DNSM: 1 [1 - **1** - **1**].
26 July 2008: South Africa: Mantuma Camp: DNSM: 1 [1 - **1** - **1**].
27 July 2008: South Africa: Mantuma Camp: DNSM: 2 [2 - **2** - **2**].
28 July 2008: South Africa: Mantuma Camp: DNSM: 1 [1 - **1** - **1**].
30 July 2008: South Africa: Mantuma Camp: DNSM: 1 [1 - **1** - **1**].
31 July 2008: South Africa: Mantuma Camp: DNSM: 3 [3] - Umgeni Heights: DNSM: 2 [2 - **5** - **5**].
2 August 2008: South Africa: Kumasinga Pan: DNSM: 1 [1 - **1** - **1**].

7 August 2008: South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **1**].
16 August 2008: South Africa: Everton: DNSM: 1 [1 - **1** - **1**].
21 August 2008: South Africa: Gillets: DNSM: 1 [1 - **1** - **1**].
23 August 2008: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1** - **1**].
29 August 2008: South Africa: Hells Gate: DNSM: 1 [1 - **1** - **1**].
3 September 2008: South Africa: Greyville: DNSM: 1 [1 - **1** - **1**].
7 October 2008: South Africa: Bluff: DNSM: 1 [1 - **1** - **1**].
13 October 2008: Mozambique: Mount Mabu: DNSM: 1 [1 - **1** - **1**].
17 October 2008: South Africa: Bluff: DNSM: 2 [2 - **2** - **2**].
18 October 2008: Mozambique: Mount Mabu site 7: DNSM: 1 [1 - **1** - **1**].
7 November 2008: Central African Republic: Bangui: MNHN: 2 [2 - **2** - **2**].
8 November 2008: Central African Republic: Bangui: MNHN: 2 [2 - **2** - **2**].
10 November 2008: Senegal: Mbilor: IVB: 2 [2 - **2** - **2**].
14 November 2008: Central African Republic: Kpoka cave: MNHN: 1 [1 - **1** - **1**].
15 November 2008: Central African Republic: Kpoka cave: MNHN: 2 [2 - **2** - **2**].
16 November 2008: Central African Republic: Kpoka cave: MNHN: 7 [7 - **7** - **7**].
17 November 2008: Central African Republic: Kpoka cave: MNHN: 1 [1 - **1** - **1**].
20 November 2008: Mozambique: Mount Namuli base camp: DNSM: 1 [1 [1 - **1** - **1** - **1**]. - **1**].
21 November 2008: Central African Republic: Mongoumba: MNHN: 7 [7 - **7** - **7**].
22 November 2008: Central African Republic: Mongoumba: MNHN: 3 [3 - **3** - **3**].
23 November 2008: Mozambique: Ukalini Forest: DNSM: 1 [1 - **1**].
South Africa: Umkomaas: DNSM: 1 [1 - **1** - **2**].
26 November 2008: Mozambique: Mount Mabu, forest Ridge: DNSM: 1 [1 - **1** - **1**].
27 November 2008: Mozambique: Manho Forest: DNSM: 1 [1] - Mount Mabu forest camp: DNSM: 2 [2 - **3** - **3**].
28 November 2008: Mozambique: Manho Forest: DNSM: 1 [1 - **1** - **1**].
30 November 2008: Central African Republic: Nguerengou: MNHN: 4 [4 - **4** - **4**].
2 December 2008: South Africa: Mshopi camping site: DNSM: 1 [1 - **1** - **1**].
4 December 2008: Central African Republic: Mpoko: MNHN: 1 [1 - **1**].
Guinea: Whiskey 1: ZFMK: 1 [1 - **1**].
South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **3**].
6 December 2008: South Africa: Mantuma Camp: DNSM: 1 [1 - **1** - **1**].
8 December 2008: South Africa: Mantuma Camp: DNSM: 1 [1 - **1** - **1**].
9 December 2008: Guinea: Pic de Foko: ZFMK: 3 [3 - **3** - **3**].
10 December 2008: Guinea: Pic de Foko: ZFMK: 1 [1 - **1**].
South Africa: Mantuma Camp: DNSM: 1 [1] - uMkhuze Game Reserve: DNSM: 5 [5 - **6** - **7**].
11 December 2008: Guinea: Pic de Foko: ZFMK: 1 [1 - **1** - **1**].
12 December 2008: Guinea: Western Spur Valley: ZFMK: 6 [6 - **6**].
South Africa: Mshopi camping site: DNSM: 1 [1] - uMkhuze Game Reserve: DNSM: 1 [1 - **2** - **8**].
13 December 2008: Guinea: Western Spur Valley: ZFMK: 1 [1 - **1**].
South Africa: Mshopi camping site: DNSM: 3 [3 - **3** - **4**].
14 December 2008: Guinea: Western Spur Valley: ZFMK: 1 [1 - **1**].
South Africa: uMkhuze Game Reserve: DNSM: 1 [1 - **1** - **2**].
18 December 2008: Guinea: Canga-Moribadou Road, 2nd bridge on: ZFMK: 2 [2 - **2** - **2**].
12 January 2009: South Africa: Briardene: DNSM: 1 [1 - **1** - **1**].
11 February 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 1 [1 - **1** - **1**].
12 February 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 2 [2 - **2** - **2**].
13 February 2009: South Africa: Glen Anil: DNSM: 1 [1 - **1** - **1**].
20 April 2009: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].
28 April 2009: South Africa: Shongweni Dam: DNSM: 1 [1 - **1** - **1**].
29 April 2009: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
2 May 2009: South Africa: Bayete Camp: DNSM: 1 [1 - **1** - **1**].
12 May 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 2 [2 - **2** - **2**].
13 May 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 3 [3 - **3** - **3**].
18 May 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 6 [6 - **6** - **6**].
19 May 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 1 [1 - **1** - **1**].
20 May 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 1 [1 - **1** - **1**].
25 May 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 1 [1 - **1**].
South Africa: Gamberg: DNSM: 1 [1 - **1** - **2**].
26 May 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 1 [1 - **1** - **1**].
1 June 2009: Mozambique: Mount Mabu: DNSM: 1 [1] - Mount Mabu forest camp: DNSM: 2 [2 - **3** - **3**].
2 June 2009: South Africa: Albert Falls Resource Reserve: DNSM: 1 [1 - **1** - **1**].
9 June 2009: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
20 June 2009: South Africa: Bazely Village: DNSM: 1 [1 - **1** - **1**].
10 July 2009: South Africa: Rielpoort: DNSM: 1 [1 - **1** - **1**].
15 July 2009: South Africa: Kingsburgh: DNSM: 1 [1 - **1** - **1**].
17 July 2009: South Africa: Addington: DNSM: 1 [1 - **1** - **1**].
19 July 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 1 [1 - **1** - **1**].
5 August 2009: South Africa: Glen Anil: DNSM: 1 [1 - **1** - **1**].
9 August 2009: South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **1**].
12 August 2009: South Africa: Merebank: DNSM: 1 [1 - **1** - **1**].
18 August 2009: South Africa: Kube Yini Private Game Reserve: DNSM: 1 [1 - **1** - **1**].
19 August 2009: Tanzania: Meru Crater: FMNH: 3 [3 - **3** - **3**].
1 September 2009: Lesotho: Liqhobong: DNSM: 1 [1 - **1** - **1**].
23 September 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 2 [2 - **2**].
South Africa: Berea: DNSM: 1 [1 - **1** - **3**].
24 September 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 2 [2 - **2** - **2**].

25 September 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 2 [2 - **2**].
South Africa: Muggiesgat Cave: DNSM: 1 [1 - **1** - **3**].
26 September 2009: South Africa: Mayo: DNSM: 2 [2] - Sudwala Mines: DNSM: 2 [2 - **4** - **4**].
27 September 2009: South Africa: Barberton tunnel: DNSM: 2 [2] - Mountainland Nature Reserve: DNSM: 3 [3 - **5** - **5**].
28 September 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 1 [1 - **1** - **1**].
4 October 2009: Congo (Democratic Republic of the): Yoko: UNIKIS: 1 [1 - **1** - **1**].
22 October 2009: Malawi: Chilinda Dam: FMNH: 6 [6 - **6** - **6**].
29 October 2009: Malawi: Chilinda Dam: FMNH: 2 [2 - **2** - **2**].
30 October 2009: Malawi: Chilinda Dam: FMNH: 3 [3 - **3** - **3**].
4 November 2009: Malawi: Chilinda Dam 2, below: FMNH: 1 [1 - **1** - **1**].
8 November 2009: South Africa: Scottburgh: DNSM: 1 [1 - **1** - **1**].
19 November 2009: South Africa: Umtentwini: DNSM: 1 [1 - **1** - **1**].
28 November 2009: South Africa: Phinda Game Reserve: DNSM: 2 [2 - **2** - **2**].
2 December 2009: Côte d'Ivoire: Azagny National Park: MNHN: 1 [1 - **1** - **1**].
3 December 2009: South Africa: Kingsburgh: DNSM: 1 [1 - **1** - **1**].
7 December 2009: South Africa: Table Farm Cave: DNSM: 20 [20 - **20** - **20**].
8 December 2009: South Africa: Umkomaas: DNSM: 1 [1 - **1** - **1**].
14 December 2009: South Africa: Queensburgh: DNSM: 1 [1 - **1** - **1**].
18 December 2009: South Africa: Shongweni Dam: DNSM: 11 [11 - **11** - **11**].
22 December 2009: South Africa: Durban CBD: DNSM: 1 [1 - **1** - **1**].
1 January 2010: Comoros: Collège d'Ouani: FMNH: 13 [13] - Ecole primaire de Chirove: FMNH: 6 [6] - Grotte de Buemokolo: FMNH: 2 [2 - **21** - **21**].
16 January 2010: South Africa: Lajuma Mountain Reserve: DNSM: 1 [1 - **1** - **1**].
1 February 2010: South Africa: Pafuri: TM: 17 [17 - **17** - **17**].
2 February 2010: South Africa: Durban: DNSM: 1 [1] - Pafuri: SNP: 1, TM: 19 [20 - **21** - **21**].
3 February 2010: South Africa: Pafuri: TM: 33 [33 - **33** - **33**].
4 February 2010: South Africa: Pafuri: TM: 3 [3 - **3** - **3**].
8 February 2010: South Africa: Ferncliff Bat Cave: DNSM: 4 [4] - Lajuma Mountain Reserve: DNSM: 1 [1 - **5** - **5**].
9 February 2010: South Africa: Lajuma Mountain Reserve: DNSM: 1 [1 - **1** - **1**].
1 March 2010: South Africa: Soetfontein Cave: DNSM: 2 [2 - **2** - **2**].
2 March 2010: South Africa: Blinkklip cave: DNSM: 5 [5 - **5** - **5**].
3 March 2010: South Africa: Hopefield mine: DNSM: 6 [6 - **6** - **6**].
4 March 2010: South Africa: Hopefield mine: DNSM: 1 [1 - **1** - **1**].
25 March 2010: Swaziland: Ngonini estates: DNSM: 1 [1 - **1** - **1**].
26 March 2010: South Africa: Westville: DNSM: 1 [1 - **1**].
Swaziland: Ngonini estates: DNSM: 2 [2 - **2** - **3**].
27 March 2010: South Africa: Sarnia: DNSM: 1 [1 - **1**].
Swaziland: Ngonini estates: DNSM: 2 [2 - **2** - **3**].
5 April 2010: South Africa: Paradise Valley Nature Reserve: DNSM: 1 [1 - **1** - **1**].
10 April 2010: South Africa: Umkomaas: DNSM: 1 [1 - **1** - **1**].
12 April 2010: South Africa: Rocktail Bay: TM: 15 [15 - **15** - **15**].
15 April 2010: South Africa: Rocktail Bay: TM: 20 [20 - **20** - **20**].
29 April 2010: South Africa: Nooitgedacht Farm: DNSM: 2 [2] - Yellowwood Park: DNSM: 1 [1 - **3** - **3**].
3 June 2010: South Africa: Umkomaas: DNSM: 1 [1 - **1** - **1**].
11 June 2010: South Africa: Malvern: DNSM: 3 [3 - **3** - **3**].
19 June 2010: Mozambique: Gurué Tea Plantation: DNSM: 1 [1 - **1** - **1**].
20 June 2010: Mozambique: Gurué Tea Plantation: DNSM: 1 [1 - **1** - **1**].
23 June 2010: South Africa: Scottburgh: DNSM: 1 [1 - **1** - **1**].
18 July 2010: South Africa: Umkomaas: DNSM: 1 [1 - **1** - **1**].
21 July 2010: South Africa: Umkomaas: DNSM: 1 [1 - **1** - **1**].
25 July 2010: South Africa: Lajuma: DNSM: 1 [1 - **1** - **1**].
30 July 2010: South Africa: Kensington: DNSM: 1 [1 - **1** - **1**].
13 August 2010: South Africa: Lajuma Mountain Reserve: DNSM: 1 [1 - **1** - **1**].
15 September 2010: South Africa: Lajuma Mountain Reserve: DNSM: 3 [3 - **3** - **3**].
12 October 2010: South Africa: Kgaswane Nature Reserve: TM: 2 [2 - **2** - **2**].
23 October 2010: South Africa: Lajuma Mountain Reserve: DNSM: 6 [6 - **6** - **6**].
2 November 2010: South Africa: Ntsizwe mine: DNSM: 7 [7 - **7** - **7**].
8 November 2010: South Africa: Pafuri: TM: 7 [7 - **7** - **7**].
9 November 2010: South Africa: Pafuri: SNP: 1, TM: 3 [4 - **4** - **4**].
10 November 2010: South Africa: Pafuri: TM: 8 [8 - **8** - **8**].
11 November 2010: South Africa: Pafuri: TM: 2 [2 - **2** - **2**].
12 November 2010: South Africa: Pafuri: TM: 24 [24 - **24** - **24**].
14 November 2010: South Africa: Black Eagle Lodge: DNSM: 1 [1 - **1** - **1**].
19 November 2010: South Africa: Black Eagle Lodge: DNSM: 6 [6 - **6** - **6**].
11 December 2010: South Africa: Kgaswane Nature Reserve: TM: 2 [2 - **2** - **2**].
22 December 2010: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
19 January 2011: South Africa: Durban CBD: DNSM: 1 [1 - **1** - **1**].
21 January 2011: Congo (Democratic Republic of the): Mongbwalu: DNSM: 2 [2 - **2** - **2**].
6 February 2011: South Africa: Buzzard Mountain Retreat: DNSM: 1 [1 - **1** - **1**].
7 February 2011: South Africa: Buzzard Mountain Retreat: DNSM: 1 [1 - **1** - **1**].
11 February 2011: South Africa: Phinda Game Reserve: DNSM: 1 [1] - Scottburgh: DNSM: 3 [3 - **4** - **4**].
15 February 2011: Malawi: Kwitunji Camp: FMNH: 1 [1 - **1** - **1**].
16 February 2011: Malawi: Namizimu Forest Reserve: FMNH: 4 [4 - **4** - **4**].
15 March 2011: South Africa: Chatsworth: DNSM: 1 [1 - **1** - **1**].
26 March 2011: South Africa: Kromdraai Gold Mine: DNSM: 1 [1 - **1** - **1**].
17 April 2011: South Africa: Louis Trichardt: DNSM: 1 [1 - **1** - **1**].

29 April 2011: South Africa: Morningside: DNSM: 1 [1 - **1** - **1**].
6 May 2011: South Africa: Sterkspruit 33 JT Farm: DNSM: 1 [1 - **1** - **1**].
11 May 2011: South Africa: Scottburgh: DNSM: 1 [1 - **1** - **1**].
30 May 2011: South Africa: Chelmsford Nature Reserve: DNSM: 2 [2 - **2** - **2**].
1 June 2011: Guinea: Zogota: MNHN: 2 [2 - **2** - **2**].
2 June 2011: Guinea: Zogota: MNHN: 5 [5 - **5** - **5**].
3 June 2011: Guinea: Zogota: MNHN: 2 [2 - **2** - **2**].
5 June 2011: Guinea: Zogota: MNHN: 5 [5 - **5** - **5**].
6 June 2011: South Africa: Vryheid Hill Nature Reserve: DNSM: 4 [4 - **4** - **4**].
7 June 2011: Guinea: Zogota: MNHN: 4 [4 - **4** - **4**].
8 June 2011: Guinea: Zogota: MNHN: 2 [2 - **2** - **2**].
10 June 2011: Guinea: Zogota: MNHN: 9 [9 - **9** - **9**].
11 June 2011: Guinea: Zogota: MNHN: 7 [7 - **7** - **7**].
12 June 2011: Guinea: Zogota: MNHN: 1 [1 - **1**].
South Africa: Greyville: DNSM: 1 [1 - **1** - **2**].
13 June 2011: Guinea: Zogota: MNHN: 2 [2 - **2** - **2**].
16 June 2011: Guinea: Gbaolé: MNHN: 3 [3 - **3**].
South Africa: Rudyard Cottage: DNSM: 1 [1 - **1** - **4**].
17 June 2011: Guinea: Gbaolé: MNHN: 5 [5 - **5**].
Liberia: Fapé: MNHN: 1 [1 - **1** - **6**].
18 June 2011: Guinea: Gbaolé: MNHN: 8 [8 - **8** - **8**].
19 June 2011: Guinea: Gbaolé: MNHN: 4 [4 - **4** - **4**].
20 June 2011: Guinea: Gbaolé: MNHN: 9 [9 - **9** - **9**].
21 June 2011: Guinea: Gbaolé: MNHN: 5 [5 - **5** - **5**].
22 June 2011: Guinea: Gbaolé: MNHN: 6 [6 - **6** - **6**].
25 June 2011: Guinea: Gbaolé: MNHN: 5 [5 - **5** - **5**].
27 June 2011: Guinea: Gbaolé: MNHN: 4 [4 - **4** - **4**].
28 June 2011: Guinea: Gbaolé: MNHN: 2 [2 - **2** - **2**].
5 July 2011: Liberia: Fapé: MNHN: 9 [9 - **9** - **9**].
6 July 2011: Liberia: Fapé: MNHN: 8 [8 - **8** - **8**].
7 July 2011: Liberia: Fapé: MNHN: 5 [5 - **5** - **5**].
8 July 2011: Liberia: Fapé: MNHN: 8 [8 - **8** - **8**].
11 July 2011: Liberia: Fapé: MNHN: 8 [8 - **8** - **8**].
12 July 2011: Liberia: Fapé: MNHN: 7 [7 - **7** - **7**].
13 July 2011: Liberia: Fapé: MNHN: 6 [6 - **6** - **6**].
14 July 2011: Liberia: Fapé: MNHN: 3 [3 - **3** - **3**].
15 July 2011: Liberia: Fapé: MNHN: 8 [8 - **8** - **8**].
16 July 2011: Liberia: Fapé: MNHN: 1 [1 - **1** - **1**].
18 July 2011: Liberia: Fapé: MNHN: 3 [3 - **3** - **3**].
27 July 2011: Guinea: Fressoudou: MNHN: 12 [12 - **12** - **12**].
28 July 2011: Guinea: Fressoudou: MNHN: 17 [17 - **17**].
South Africa: Amanzimtoti: DNSM: 1 [1 - **1** - **18**].
29 July 2011: South Africa: Vygeboom Dam: DNSM: 1 [1 - **1** - **1**].
30 July 2011: Guinea: Fressoudou: MNHN: 9 [9 - **9** - **9**].
31 July 2011: Guinea: Fressoudou: MNHN: 10 [10 - **10** - **10**].
2 August 2011: Guinea: Samedou: MNHN: 12 [12 - **12** - **12**].
3 August 2011: Guinea: Samedou: MNHN: 3 [3 - **3** - **3**].
4 August 2011: Guinea: Samedou: MNHN: 14 [14 - **14** - **14**].
5 August 2011: Guinea: Samedou: MNHN: 11 [11 - **11** - **11**].
7 August 2011: Guinea: Fressoudou: MNHN: 9 [9 - **9** - **9**].
8 August 2011: Guinea: Fressoudou: MNHN: 11 [11 - **11** - **11**].
9 August 2011: Guinea: Fressoudou: MNHN: 10 [10 - **10** - **10**].
10 August 2011: Guinea: Fressoudou: MNHN: 9 [9 - **9** - **9**].
12 August 2011: Mozambique: Gorongosa National Park, village below forest: FMNH: 1 [1 - **1** - **1**].
16 August 2011: Mozambique: Gorongosa National Park, montain forest 1: FMNH: 1 [1 - **1** - **1**].
17 August 2011: Mozambique: Morombozi River, below forest: FMNH: 1 [1 - **1** - **1**].
19 August 2011: Mozambique: Gorongosa National Park, village below forest: FMNH: 1 [1 - **1** - **1**].
20 August 2011: Mozambique: Morombozi River, below forest: FMNH: 1 [1 - **1**].
South Sudan: Mundari Civil Hospital: USNM: 6 [6 - **6** - **7**].
21 August 2011: Mozambique: Gorongosa National Park, cave at alpine-forest interface: FMNH: 2 [2] - Gorongosa National Park, montain forest 1: FMNH: 1 [1 - **3** - **3**].
22 August 2011: Mozambique: Morombozi River, below forest: FMNH: 1 [1 - **1**].
South Sudan: Wudu Market: USNM: 3 [3 - **3** - **4**].
23 August 2011: Mozambique: Gorongosa National Park, cave at alpine-forest interface: FMNH: 4 [4 - **4** - **4**].
24 August 2011: South Sudan: Mogiri, Reeder Family Compound: USNM: 1 [1] - Mundari Civil Hospital: USNM: 5 [5 - **6** - **6**].
26 August 2011: South Africa: Crowned Eagle Lodge, below: DNSM: 1 [1 - **1**].
South Sudan: Kinyiba Cave: USNM: 22 [22 - **22** - **23**].
27 August 2011: South Africa: Farm Welgevonden 449: DNSM: 1 [1 - **1** - **1**].
28 August 2011: Mozambique: Muaredzi River, karst cave 1: FMNH: 1 [1 - **1** - **1**].
29 August 2011: Mozambique: Muaredzi River, karst cave 2: FMNH: 14 [14 - **14** - **14**].
30 August 2011: South Sudan: Luro Cave, base camp: USNM: 1 [1 - **1** - **1**].
2 September 2011: South Sudan: Kungupuri: USNM: 2 [2 - **2** - **2**].
4 September 2011: South Sudan: Kungupuri: USNM: 12 [12 - **12** - **12**].
9 September 2011: South Sudan: Panyai: USNM: 10 [10 - **10** - **10**].
14 September 2011: South Africa: Hillside Farm: DNSM: 3 [3] - Lajuma Forest Lodge: DNSM: 1 [1 - **4**].
South Sudan: Mere: USNM: 5 [5 - **5** - **9**].

15 September 2011: South Africa: Lajuma Wilderness Camp: DNSM: 1 [1 - **1**].
South Sudan: Mere: USNM: 9 [9 - **9** - **10**].
16 September 2011: South Sudan: Kabi stream: USNM: 11 [11] - Mogiri Hill, NE of Town: USNM: 1 [1 - **12** - **12**].
18 September 2011: South Sudan: Kabi stream: USNM: 14 [14 - **14** - **14**].
19 September 2011: South Sudan: Mogiri Hill, NE of Town: USNM: 1 [1 - **1** - **1**].
20 September 2011: South Sudan: Kabi stream: USNM: 16 [16 - **16** - **16**].
22 September 2011: South Sudan: Mere: USNM: 2 [2 - **2** - **2**].
25 September 2011: South Africa: Phinda Mountain Lodge: DNSM: 1 [1 - **1** - **1**].
26 September 2011: South Africa: Phinda Game Reserve, Cave 3: DNSM: 2 [2] - Phinda Mountain Lodge: DNSM: 6 [6 - **8** - **8**].
28 September 2011: South Africa: Phinda Mountain Lodge: DNSM: 1 [1] - Phinda Rock Lodge: DNSM: 4 [4 - **5** - **5**].
29 September 2011: South Africa: Phinda Game Reserve: DNSM: 5 [5 - **5** - **5**].
30 September 2011: South Africa: Phinda Mountain Lodge: DNSM: 1 [1 - **1**].
South Sudan: Panyai: USNM: 12 [12 - **12** - **13**].
1 October 2011: South Sudan: Mundari Civil Hospital: USNM: 6 [6 - **6** - **6**].
3 October 2011: South Sudan: Panyai: USNM: 7 [7 - **7** - **7**].
5 October 2011: South Sudan: Panyai: USNM: 15 [15 - **15** - **15**].
7 October 2011: South Sudan: Panyai: USNM: 12 [12 - **12** - **12**].
10 October 2011: South Sudan: Mogiri, Reeder Family Compound: USNM: 1 [1 - **1** - **1**].
11 October 2011: South Sudan: Mundari Civil Hospital: USNM: 7 [7 - **7** - **7**].
12 October 2011: South Sudan: Jale: USNM: 11 [11 - **11** - **11**].
14 October 2011: South Africa: Lajuma Forest Lodge: DNSM: 3 [3 - **3** - **3**].
21 October 2011: South Africa: Lajuma Mountain Reserve: DNSM: 1 [1 - **1** - **1**].
27 October 2011: South Africa: Berg Plants farm: DNSM: 1 [1 - **1** - **1**].
5 November 2011: South Africa: Lajuma, wetland: DNSM: 1 [1 - **1** - **1**].
11 November 2011: South Africa: Lajuma Bridge: DNSM: 1 [1 - **1** - **1**].
12 November 2011: South Africa: Mopani: MNHN: 6 [6 - **6** - **6**].
13 November 2011: South Africa: Letaba Highwater Bridge: MNHN: 1 [1] - Mopani: MNHN: 9 [9 - **10** - **10**].
21 November 2011: South Africa: Charter's Creek: MNHN: 1 [1 - **1** - **1**].
28 November 2011: South Africa: Kudus Vlei farm: DNSM: 1 [1 - **1** - **1**].
29 November 2011: South Africa: Vellefontein 517 KQ: DNSM: 1 [1 - **1** - **1**].
1 December 2011: Madagascar: Ranohira, 10.5 km SW [Hotel Jardin du Roi]: FMNH: 1 [1 - **1** - **1**].
1 January 2012: Madagascar: Unknown locality: FMNH: 28 [28] - Ambovondramanesy: FMNH: 7, UADBA: 4 [11] - Anjohikinakina cave: FMNH: 7, UADBA: 3 [10] - Ankapoka: UADBA: 1 [1] - Ankily: FMNH: 1, UADBA: 1 [2] - Antanandava: FMNH: 3 [3] - Belo Tsiribihina: FMNH: 6, UADBA: 1 [7] - Betioky Sud: FMNH: 1, UADBA: 7 [8] - Cascade d'Antanamarina: FMNH: 8, UADBA: 3 [11] - Grotte d'Ambahibe: FMNH: 8, UADBA: 2 [10] - Grotte d'Ambanilia: FMNH: 1, UADBA: 5 [6] - Grotte d'Ambatoharanana: UADBA: 2 [2] - Grotte d'Andrafiabe, forêt près: FMNH: 2 [2] - Grotte d'Andranoilovy: FMNH: 3, UADBA: 5 [8] - Grotte d'Anjohibe: FMNH: 16, UADBA: 18 [34] - Grotte d'Anjohikely: FMNH: 4, UADBA: 6 [10] - Grotte de Bekapity: FMNH: 5, UADBA: 3 [8] - Grotte de Tanambao: FMNH: 3, UADBA: 2 [5] - Grotte de Vintane: FMNH: 3, UADBA: 1 [4] - Grotte des chauves-souris: FMNH: 9, UADBA: 5 [14] - Grotte des chauves-souris/makis: FMNH: 4, UADBA: 5 [9] - Marofandilia: UADBA: 5 [5] - Ranohira, 3.8 km NW: FMNH: 1 [1] - Sakaraha: FMNH: 2, UADBA: 4 [6] - Tsimafana: FMNH: 5, UADBA: 3 [8 - **234**].
Mauritius: Camp Thorel Cave: FMNH: 11 [11] - Caverne Trois Bras: FMNH: 17 [17] - Palma Cave: FMNH: 3 [3 - **31**].
South Africa: Farm Welgevonden 449: DNSM: 1 [1 - **1** - **266**].
20 January 2012: South Africa: Farm Welgevonden 449: DNSM: 2 [2] - Randstephne 455 KQ: DNSM: 1 [1 - **3** - **3**].
21 January 2012: South Africa: Farm Welgevonden 449: DNSM: 3 [3] - Kraaibosch 55 JT: DNSM: 1 [1 - **4** - **4**].
28 January 2012: South Africa: Randstephne 455 KQ: DNSM: 1 [1 - **1** - **1**].
7 February 2012: Swaziland: Rosecraft: DNSM: 1 [1 - **1** - **1**].
11 February 2012: South Africa: Louis Trichardt: DNSM: 1 [1 - **1** - **1**].
24 March 2012: South Africa: Eagles Nest Farm: DNSM: 2 [2 - **2** - **2**].
25 March 2012: South Africa: Eagles Nest Farm: DNSM: 7 [7 - **7** - **7**].
28 March 2012: South Africa: Farm Welgevonden 449: DNSM: 3 [3 - **3** - **3**].
29 March 2012: South Africa: Farm Welgevonden 449: DNSM: 1 [1 - **1** - **1**].
30 March 2012: South Africa: Hillside Farm: DNSM: 2 [2 - **2** - **2**].
31 March 2012: South Africa: Black Eagle Lodge: DNSM: 7 [7] - Buzzard Mountain Retreat: DNSM: 1 [1 - **8** - **8**].
1 April 2012: South Africa: Ingwavuma, Border Cave: DNSM: 2 [2] - Louis Trichardt: DNSM: 1 [1 - **3** - **3**].
2 April 2012: South Africa: Hlatikulu Forest Reserve: DNSM: 2 [2 - **2** - **2**].
4 April 2012: South Africa: Ndumo Game Reserve: DNSM: 16 [16 - **16** - **16**].
11 April 2012: South Africa: Musgrave: DNSM: 1 [1 - **1** - **1**].
9 May 2012: South Africa: Ferncliff Bat Cave: DNSM: 13 [13 - **13** - **13**].
19 May 2012: South Africa: Blouberg Private Nature Reserve]: DNSM: 12 [12 - **12** - **12**].
5 June 2012: South Africa: Greyville: DNSM: 1 [1 - **1** - **1**].
10 July 2012: South Africa: Umbilo: DNSM: 1 [1 - **1**].
South Sudan: Panyai: USNM: 8 [8 - **8** - **9**].
11 July 2012: South Sudan: Panyai: USNM: 12 [12 - **12** - **12**].
12 July 2012: South Sudan: Panyai: USNM: 12 [12 - **12** - **12**].
13 July 2012: South Sudan: Panyai: USNM: 9 [9 - **9** - **9**].
17 July 2012: South Africa: Stan Hope Mine: DNSM: 11 [11 - **11** - **11**].
18 July 2012: South Africa: Port Edward: DNSM: 4 [4 - **4**].
South Sudan: Yambio, Wildlife Office compound: USNM: 10 [10 - **10** - **14**].
20 July 2012: South Sudan: Bangangai Game Reserve, Location 1: USNM: 3 [3] - Bangangai Game Reserve, Location 2: USNM: 2 [2 - **5** - **5**].
21 July 2012: South Sudan: Bangangai Game Reserve, base camp: USNM: 3 [3] - Bangangai Game Reserve, location 2: USNM: 1 [1 - **4** - **4**].
22 July 2012: South Sudan: Bangangai Game Reserve, base camp: USNM: 2 [2] - Bangangai Game Reserve, location 4: USNM: 6 [6 - **8** - **8**].

23 July 2012: South Sudan: Bangangai Game Reserve, location 4: USNM: 3 [3 - **3** - **3**].
24 July 2012: South Sudan: Bangangai Game Reserve, location 5: USNM: 9 [9 - **9** - **9**].
25 July 2012: Mali: Falea: DNSM: 1 [1 - **1**].
South Sudan: Bangangai Game Reserve, location 6: USNM: 6 [6 - **6** - **7**].
26 July 2012: Mali: Falea: DNSM: 3 [3 - **3**].
South Sudan: Bangangai Game Reserve, location 6: USNM: 1 [1 - **1** - **4**].
27 July 2012: South Sudan: Bangangai Game Reserve, location 1: USNM: 6 [6 - **6** - **6**].
28 July 2012: South Sudan: Yambio, FFI: USNM: 8 [8 - **8** - **8**].
29 July 2012: South Sudan: Yambio, FFI: USNM: 10 [10 - **10** - **10**].
30 July 2012: South Sudan: Yambio, Wildlife Office compound: USNM: 4 [4 - **4** - **4**].
6 August 2012: South Africa: Farm Welgevonden 449: DNSM: 1 [1 - **1** - **1**].
1 September 2012: Madagascar: Anjohibe Cave: UADBA: 1 [1] - Grotte d'Andrafiabe, forêt près: FMNH: 2, UADBA: 3 [5 - **6** - **6**].
9 October 2012: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1** - **1**].
16 October 2012: South Africa: Stan Hope Mine: DNSM: 14 [14 - **14** - **14**].
1 November 2012: Mali: Falea: DNSM: 5 [5 - **5** - **5**].
26 November 2012: Mauritius: Cascavelle: FMNH: 12 [12] - Petite Case Royale: FMNH: 6 [6 - **18** - **18**].
27 November 2012: Mauritius: Petite Case Royale: FMNH: 4 [4] - Riche en Eau: FMNH: 2 [2 - **6** - **6**].
28 November 2012: Mauritius: Fayence Mountain: FMNH: 17 [17 - **17** - **17**].
29 November 2012: Mauritius: Cascavelle: FMNH: 6 [6 - **6** - **6**].
22 December 2012: South Africa: Rietfontein Farm 536 KQ: DNSM: 1 [1 - **1** - **1**].
1 January 2013: Madagascar: Unknown locality: FMNH: 2 [2] - Ambohibeloma: FMNH: 2, UADBA: 8 [10] - Anadsibe: FMNH: 12, UADBA: 5 [17] - Ihosy: FMNH: 3, UADBA: 8 [11] - Vohiposa: FMNH: 8, UADBA: 5 [13 - **53**].
Réunion: Eglise de Bras-Panon: FMNH: 21 [21] - Grotte de Trois Bassin: UADBA: 19 [19 - **40** - **93**].
10 January 2013: South Africa: New Germany: DNSM: 1 [1 - **1** - **1**].
15 January 2013: South Africa: Louis Trichardt: DNSM: 1 [1 - **1** - **1**].
19 January 2013: South Africa: Farm Randstephne 455KQ: TM: 1 [1 - **1** - **1**].
4 March 2013: Uganda: Ngogo: FMNH: 1 [1 - **1** - **1**].
6 March 2013: Uganda: Ngogo: FMNH: 1 [1 - **1** - **1**].
9 March 2013: Uganda: Ngogo: FMNH: 1 [1 - **1** - **1**].
10 March 2013: Uganda: Ngogo: FMNH: 4 [4 - **4** - **4**].
11 March 2013: Uganda: Ngogo: FMNH: 8 [8 - **8** - **8**].
12 March 2013: Uganda: Ngogo: FMNH: 26 [26 - **26** - **26**].
16 March 2013: Uganda: Mainaro: FMNH: 2 [2 - **2** - **2**].
17 March 2013: Uganda: Mainaro: FMNH: 2 [2 - **2** - **2**].
18 March 2013: Uganda: Mainaro: FMNH: 2 [2 - **2** - **2**].
19 March 2013: Uganda: Mainaro: FMNH: 15 [15 - **15** - **15**].
20 March 2013: Uganda: Mainaro: FMNH: 10 [10 - **10** - **10**].
21 March 2013: Uganda: Mainaro: FMNH: 10 [10 - **10** - **10**].
22 March 2013: Uganda: Mainaro: FMNH: 4 [4 - **4** - **4**].
2 April 2013: Uganda: lake Kamuzuku 1: FMNH: 2 [2 - **2** - **2**].
3 April 2013: Uganda: lake Kamuzuku 1: FMNH: 1 [1 - **1** - **1**].
5 April 2013: Uganda: Lake Kamuzuku 2: FMNH: 1 [1 - **1** - **1**].
6 April 2013: Uganda: Lake Kamuzuku 2: FMNH: 1 [1 - **1** - **1**].
7 April 2013: Uganda: lake Kamuzuku 1: FMNH: 1 [1] - Lake Kamuzuku 2: FMNH: 1 [1 - **2** - **2**].
8 April 2013: Uganda: lake Kamuzuku 1: FMNH: 1 [1] - Lake Kamuzuku 2: FMNH: 3 [3 - **4** - **4**].
9 April 2013: South Africa: Farm Welgevonden: DNSM: 1 [1 - **1**].
Uganda: lake Kamuzuku 1: FMNH: 1 [1] - Lake Kamuzuku 2: FMNH: 3 [3 - **4** - **5**].
10 April 2013: Uganda: lake Kamuzuku 1: FMNH: 2 [2] - Lake Kamuzuku 2: FMNH: 2 [2 - **4** - **4**].
11 April 2013: Uganda: Lake Kamuzuku 2: FMNH: 1 [1 - **1** - **1**].
18 April 2013: South Africa: Farm Welgevonden: DNSM: 1 [1 - **1** - **1**].
24 April 2013: South Africa: Farm Welgevonden: DNSM: 1 [1 - **1** - **1**].
26 April 2013: Angola: Chett Angolan border, 13 km N: DNSM: 1 [1 - **1** - **1**].
2 May 2013: South Africa: Musgrave: DNSM: 1 [1 - **1** - **1**].
19 May 2013: South Sudan: Bangangai Game Reserve, location 6: USNM: 8 [8 - **8** - **8**].
20 May 2013: South Sudan: Bangangai Game Reserve, location 6: USNM: 10 [10 - **10** - **10**].
21 May 2013: South Sudan: Bangangai Game Reserve, location 6: USNM: 7 [7 - **7** - **7**].
22 May 2013: South Sudan: Andari Payam, Bangangai Game Reserve, location 7: USNM: 3 [3 - **3** - **3**].
23 May 2013: South Sudan: Bangangai Game Reserve, location 6: USNM: 6 [6 - **6** - **6**].
25 May 2013: South Sudan: Andari Payam, Bangangai Game Reserve, location 8: USNM: 4 [4 - **4** - **4**].
26 May 2013: South Sudan: Andari Payam, Bangangai Game Reserve: USNM: 4 [4 - **4** - **4**].
31 May 2013: South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: USNM: 5 [5] - Central Payam, Bandala Boma, ca. 10 km W Sue River, W border Southern National Park), location 1: USNM: 1 [1 - **6** - **6**].
1 June 2013: South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: USNM: 7 [7 - **7** - **7**].
2 June 2013: South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: USNM: 5 [5 - **5** - **5**].
4 June 2013: South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: USNM: 34 [34 - **34** - **34**].
1 August 2013: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].
22 September 2013: South Africa: Bluff Nature Reserve: DNSM: 1 [1 - **1** - **1**].
5 December 2013: South Africa: Morningside: DNSM: 1 [1 - **1** - **1**].
11 December 2013: Congo (Democratic Republic of the): Mbiye, island: MNHN: 4 [4] - Yoko: MNHN: 1 [1 - **5** - **5**].
12 December 2013: South Africa: Musgrave: DNSM: 1 [1 - **1** - **1**].
21 December 2013: South Africa: Rietfontein Farm 536 KQ: DNSM: 1 [1] - Vellefontein 517 KQ: DNSM: 1 [1 - **2** - **2**].

24 December 2013: South Africa: Bluff: DNSM: 1 [1 - **1** - **1**].
1 January 2014: Madagascar: Grotte des chauves-souris: FMNH: 13 [13 - **13**].
Réunion: Grotte de Trois Bassin: FMNH: 7, MNHN: 26 [33 - **33**].
South Africa: Hartbeesfontein 603 KQ: DNSM: 1 [1] - Telperion Nature Reserve: TM: 3 [3] - Vellefontein 517 KQ: DNSM: 1 [1 - **5** - **51**].
2 May 2014: South Africa: Gamafefe: TM: 2 [2 - **2** - **2**].
1 October 2014: Madagascar: Ambohitantely: FMNH: 1 [1 - **1** - **1**].
16 October 2014: South Africa: Eastern Cape province: DNSM: 1 [1 - **1** - **1**].
1 November 2014: Madagascar: Anjohibe cave: FMNH: 16, UADBA: 14 [30 - **30** - **30**].
21 December 2014: Madeira (Portugal): Funchal: MMF: 1 [1 - **1** - **1**].
1 January 2015: Madagascar: Unknown locality: UADBA: 1 [1 - **1**].
Réunion: Grotte de Trois Bassin: MNHN: 38, UADBA: 10 [48 - **48**].
South Sudan: Mogiri, Reeder Family Compound: USNM: 10 [10 - **10** - **59**].
2 January 2015: South Sudan: Mundari Civil Hospital: USNM: 6 [6 - **6** - **6**].
3 January 2015: South Sudan: Kabi stream: USNM: 46 [46 - **46** - **46**].
4 January 2015: South Sudan: Mundari Civil Hospital: USNM: 6 [6 - **6** - **6**].
5 January 2015: South Sudan: Kajo-Keji County Health Department Headquarters: USNM: 6 [6 - **6** - **6**].
6 January 2015: South Sudan: Gwortapeng Village: USNM: 5 [5 - **5** - **5**].
24 January 2015: South Africa: Farm Leeudraai 221JR: TM: 3 [3 - **3** - **3**].
5 February 2015: South Africa: Farm Welgevonden 969: TM: 1 [1 - **1** - **1**].
26 February 2015: South Africa: Farm Randstephne 455KQ: TM: 1 [1 - **1** - **1**].
28 February 2015: South Africa: Jonker Trust Farm: TM: 1 [1 - **1** - **1**].
3 March 2015: South Africa: Jonker Trust Farm: TM: 2 [2 - **2** - **2**].
16 March 2015: South Africa: Eastern Cape province: DNSM: 1 [1 - **1** - **1**].
20 April 2015: South Africa: Farm Wakefield 2369: TM: 2 [2 - **2** - **2**].
16 May 2015: Ghana: Krokosua Hills Forest Reserve: NMP: 1 [1 - **1** - **1**].
23 June 2015: South Africa: Eastern Cape province: DNSM: 1 [1 - **1** - **1**].
24 June 2015: South Africa: Eastern Cape province: DNSM: 1 [1 - **1** - **1**].
28 June 2015: South Africa: Eastern Cape province: DNSM: 1 [1 - **1** - **1**].
29 June 2015: South Africa: Eastern Cape province: DNSM: 1 [1 - **1** - **1**].

Total Specimens for ?: Collector Unknown: 32718

Total Specimens for ?: Collector Unknown: 3324

Abadic

Collection Date Unknown: Nigeria: Jebba: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Abadic: 1

Abbeloos

1 January 1947: Congo (Democratic Republic of the): Paulis: RMCA: 5 [5 - **5** - **5**].
28 April 1947: Congo (Democratic Republic of the): Paulis: RMCA: 2 [2 - **2** - **2**].
1 November 1947: Congo (Democratic Republic of the): Paulis: RMCA: 1 [1 - **1** - **1**].
1 May 1949: Congo (Democratic Republic of the): Paulis: RMCA: 1 [1 - **1** - **1**].
1 January 1950: Congo (Democratic Republic of the): Paulis: RMCA: 1 [1 - **1** - **1**].
5 January 1950: Congo (Democratic Republic of the): Paulis: RMCA: 1 [1 - **1** - **1**].
10 December 1950: Congo (Democratic Republic of the): Paulis: RMCA: 2 [2 - **2** - **2**].
4 May 1951: Congo (Democratic Republic of the): Paulis: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Abbeloos: 14

Abbott, William Louis
(1860 - 1936)

Collection Date Unknown: Kenya: Taveta: USNM: 2 [2 - **2**].
Seychelles: Aldabra Island: USNM: 4 [4] - Seychelles, small islands near: USNM: 3 [3 - **7** - **9**].
1 January 1889: Kenya: Taveta: USNM: 1 [1 - **1** - **1**].
4 April 1890: Seychelles: Mahe Island: USNM: 1 [1 - **1** - **1**].
1 January 1892: Seychelles: Aldabra Island: USNM: 1 [1 - **1** - **1**].
26 September 1892: Seychelles: Aldabra Island: USNM: 1 [1 - **1** - **1**].
17 October 1892: Seychelles: Aldabra Island: USNM: 1 [1 - **1** - **1**].
11 May 1895: Madagascar: Sakaleo River: USNM: 2 [2 - **2** - **2**].
12 May 1895: Madagascar: Sakaleo River: USNM: 1 [1 - **1** - **1**].

Total Specimens for Abbott, William Louis: 17

Abraham, Sarah

Collection Date Unknown: South Africa: KwaZulu-Natal province: MCZ: 1, YPM: 1 [2 - **2** - **2**].

Total Specimens for Abraham, Sarah: 2

Achten

Collection Date Unknown: Congo (Democratic Republic of the): Luisa: RMCA: 1 [1 - **1** - **1**].
1 January 1923: Congo (Democratic Republic of the): Luisa: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Achten: 2

Adam, F.

7 October 1971: Senegal: Saboya: MNHN: 24 [24 - **24** - **24**].
8 October 1971: Senegal: Saboya: MNHN: 1 [1 - **1** - **1**].
17 December 1971: Senegal: Saboya: MNHN: 5 [5 - **5** - **5**].
8 February 1972: Senegal: Koular: MNHN: 5 [5 - **5** - **5**].

Total Specimens for Adam, F.: 35

Adam, Jean-Paul

Collection Date Unknown: Congo: Unknown locality: MNHN: 1 [1] - Grotte de Kimanika: HNHM: 1 [1] - Grotte du Viaduc: MNHN: 1 [1] - Meya-Nzouari,cave: HNHM: 1 [1 - **4** - **4**].
26 July 1963: Congo: Meya-Nzouari,cave: ZMA: 1 [1 - **1** - **1**].
19 June 1964: Congo: Doumboula Cave [= Grotte de Doumboula]: MNHN: 1 [1] - Grotte de Doumboula: MNHN: 4 [4 - **5** - **5**].
29 September 1966: Congo: Meya-Nzouari,cave: ZMA: 1 [1 - **1** - **1**].
22 November 1966: Congo: Meya-Nzouari,cave: MNHN: 2 [2 - **2** - **2**].
9 January 1967: Congo: Kouilou: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Adam, Jean-Paul: 14

Adametz

Collection Date Unknown: Cameroon: Bamundjinda: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Adametz: 1

Adams, J.

21 June 1966: Nigeria: Samaru: USNM: 1 [1 - **1** - **1**].
21 July 1966: Nigeria: Samaru: USNM: 12 [12 - **12** - **12**].

Total Specimens for Adams, J.: 13

Aellen, Villy
(4 December 1926 - 22 January 2000)

16 September 1947: Cameroon: Rei Bouba: MHNG: 1 [1 - **1** - **1**].
18 July 1949: Cameroon: Ngaaouyanga: MHNG: 1 [1 - **1** - **1**].
13 May 1953: Côte d'Ivoire: Duékoué: MHNG: 1 [1 - **1** - **1**].
26 June 1953: Côte d'Ivoire: Adiopodoumé: MHNG: 1 [1 - **1** - **1**].
15 July 1953: Côte d'Ivoire: Adiopodoumé: MHNG: 1 [1 - **1** - **1**].
16 July 1953: Côte d'Ivoire: Banco, forêt de: MHNG: 1 [1 - **1** - **1**].
20 July 1953: Côte d'Ivoire: Adiopodoumé: MHNG: 2 [2 - **2** - **2**].
24 July 1953: Côte d'Ivoire: Cosrou: MHNG: 2 [2 - **2** - **2**].
14 August 1953: Côte d'Ivoire: Adiopodoumé: MHNG: 1 [1 - **1** - **1**].
18 August 1953: Côte d'Ivoire: Adiopodoumé: MHNG: 1 [1 - **1** - **1**].
19 August 1953: Côte d'Ivoire: Cosrou: MHNG: 2 [2 - **2** - **2**].
20 August 1953: Côte d'Ivoire: Adiopodoumé: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Aellen, Villy: 15

Aellen, Villy; Monard, Albert

14 January 1947: Cameroon: Kribi: MHNG: 1 [1 - **1** - **1**].
11 July 1947: Cameroon: Ngaaouyanga: MHNC: 1 [1 - **1** - **1**].

Total Specimens for Aellen, Villy; Monard, Albert: 2

AEW (Agricultural Extension Workers)

1 April 1968: Kenya: Kericho: ROM: 3 [3 - **3** - **3**].

Total Specimens for AEW (Agricultural Extension Workers): 3

Afrikanische Gesellschaft, Die

Collection Date Unknown: Angola: Chinchoxo: ZMB: 8 [8 - **8** - **8**].

Total Specimens for Afrikanische Gesellschaft, Die: 8

Aggundey, Issa R.

4 September 1970: Kenya: Kanyangaren: ZMA: 2 [2 - **2** - **2**].
1 February 1975: Kenya: Ferguson's Gulf: AMNH: 1 [1 - **1** - **1**].
19 July 1975: Kenya: Similani cave: AMNH: 5 [5 - **5** - **5**].
27 June 1977: Kenya: Shimoni: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Aggundey, Issa R.: 10

Aguesse, P.

1 January 1961: Guinea: Ziéla: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Aguesse, P.: 1

Agwanda, Bernard Risky

3 July 2006: Kenya: Gatamayu, 2.5 km N, 0.5 km W: FMNH: 3 [3 - **3** - **3**].
5 July 2006: Kenya: Gatamayu, 2.5 km N, 0.5 km W: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Agwanda, Bernard Risky: 4

Ahlers, Mennie

11 January 1982: South Africa: Waterberg, Farm Dirleton 276, Brombeek 271/2: TM: 2 [2 - **2** - **2**].

Total Specimens for Ahlers, Mennie: 2

Aidley

30 December 1973: Kenya: Simba: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Aidley: 1

Ailanjian, J.M.

28 August 1968: Côte d'Ivoire: Korhogo: LACM: 1 [1 - **1** - **1**].

Total Specimens for Ailanjian, J.M.: 1

Ailanjian, M.D.

28 August 1968: Côte d'Ivoire: Korhogo: LACM: 1 [1 - **1** - **1**].
21 September 1968: Côte d'Ivoire: Korhogo Dept: LACM: 1 [1 - **1** - **1**].
29 June 1970: Côte d'Ivoire: Korhogo, 180 km E: LACM: 1 [1 - **1** - **1**].
23 July 1970: Côte d'Ivoire: Boundiali, 2 km S: LACM: 2 [2 - **2** - **2**].

Total Specimens for Ailanjian, M.D.: 5

Akeley, Carl Ethan
(9 May 1864: Clarendon - 1926)

1 April 1906: Kenya: Sagalla: FMNH: 11 [11 - **11** - **11**].
22 April 1906: Kenya: Sagalla: FMNH: 1 [1 - **1** - **1**].
1 January 1909: Kenya: Elgon Caves: AMNH: 1 [1 - **1** - **1**].
30 November 1909: Kenya: Elgon Caves: AMNH: 3 [3 - **3** - **3**].
2 May 1911: Uganda: Taken 20 mi S of East of Center of Albert N: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Akeley, Carl Ethan: 17

Akeley, D.J.

1 January 1925: Kenya: Unknown locality: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Akeley, D.J.: 2

Akpan, S.B.

Collection Date Unknown: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
23 March 1966: Nigeria: Ibadan: USNM: 5 [5 - **5** - **5**].

1 April 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
5 April 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
8 April 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
19 April 1966: Nigeria: Ibadan: USNM: 3 [3 - **3** - **3**].
20 April 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
22 April 1966: Nigeria: Ibadan: USNM: 4 [4 - **4** - **4**].
23 April 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
12 July 1966: Nigeria: Sapoba Forest Reserve: USNM: 1 [1 - **1** - **1**].
15 July 1966: Nigeria: Sapoba Forest Reserve: USNM: 1 [1 - **1** - **1**].
12 August 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
13 August 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
15 August 1966: Nigeria: Ibadan: USNM: 3 [3 - **3** - **3**].
16 August 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
19 August 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
22 August 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
23 August 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
30 August 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
5 September 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
12 September 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
13 September 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
14 September 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
20 September 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
2 October 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
11 October 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
21 October 1966: Nigeria: Ibadan: USNM: 3 [3 - **3** - **3**].
27 October 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
12 December 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
23 January 1967: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
25 January 1967: Nigeria: Ibadan: USNM: 11 [11 - **11** - **11**].
1 February 1967: Nigeria: Ibadan: USNM: 3 [3 - **3** - **3**].
2 February 1967: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
6 February 1967: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
8 February 1967: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
14 February 1967: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
17 February 1967: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
20 February 1967: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
22 February 1967: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
20 March 1967: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
4 April 1967: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
18 May 1967: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
29 May 1967: Nigeria: Dada: USNM: 1 [1 - **1** - **1**].
30 May 1967: Nigeria: Dada: USNM: 11 [11 - **11** - **11**].
1 June 1967: Nigeria: Dada: USNM: 3 [3 - **3** - **3**].
15 October 1967: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
23 March 1968: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
26 March 1968: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
27 March 1968: Nigeria: Ibadan: USNM: 3 [3 - **3** - **3**].
31 March 1968: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
15 April 1968: Nigeria: Ibadan: USNM: 4 [4 - **4** - **4**].
16 April 1968: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
10 November 1969: Nigeria: Ibadan University College: USNM: 5 [5 - **5** - **5**].
17 November 1969: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
20 April 1970: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
22 April 1970: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
22 May 1970: Nigeria: Kware: USNM: 3 [3 - **3** - **3**].
23 May 1970: Nigeria: Kware: USNM: 1 [1 - **1** - **1**].
25 May 1970: Nigeria: Kware: USNM: 1 [1 - **1** - **1**].
3 April 1971: Nigeria: Ife University Campus: USNM: 10 [10 - **10** - **10**].
5 April 1971: Nigeria: Ife University Campus: USNM: 3 [3 - **3** - **3**].
7 May 1971: Nigeria: Abuja: USNM: 20 [20 - **20** - **20**].

Total Specimens for Akpan, S.B.: 157

Albaceta, Rosa

Collection Date Unknown: Morocco: Unknown locality: EBD: 2 [2 - **2** - **2**].

Total Specimens for Albaceta, Rosa: 2

Alexander

Collection Date Unknown: Namibia: Damaraland: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Alexander: 1

Alexander, Annie Montague
(29 December 1867: Honolulu - 1950)

4 April 1924: Egypt: Abu Rawash: MVZ: 8 [8 - **8** - **8**].

Total Specimens for Alexander, Annie Montague: 8

Alexander, Boyd Francis
(16 January 1873: Cranbrook - 2 April 1910: near Nyeri)

Collection Date Unknown: Mozambique: Tete: BMNH: 1 [1] - Tete, near: BMNH: 1 [1 - **2** - **2**].

Total Specimens for Alexander, Boyd Francis: 2

Alexander-Gosling Expedition, The

Collection Date Unknown: "Africa": Unknown locality: BMNH: 7 [7 - **7**].
Congo (Democratic Republic of the): Unknown locality: BMNH: 1 [1] - Vankerkhovenville: BMNH: 1 [1 - **2** - **9**].
18 April 1906: Congo (Democratic Republic of the): Likandi river: BMNH: 2 [2 - **2** - **2**].
26 August 1906: Congo (Democratic Republic of the): Jaima: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Alexander-Gosling Expedition, The: 12

Alexandre

Collection Date Unknown: Tanzania: Zanzibar: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Alexandre: 2

Alison, R.

3 May 1948: South Sudan: Equatoria Province: USNM: 1 [1 - **1** - **1**].
4 May 1948: South Sudan: Li Rangu: USNM: 2 [2 - **2** - **2**].

Total Specimens for Alison, R.: 3

Allaer, J.

Collection Date Unknown: Congo (Democratic Republic of the): Kapanga: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Allaer, J.: 1

Allen, Glover Morrill
(17 October 1879: Walpole - 1942)

12 July 1909: Kenya: Guaso Nyiro: MCZ: 1 [1 - **1** - **1**].
16 July 1909: Kenya: Guaso Nyiro, plains: MCZ: 4 [4 - **4** - **4**].
17 July 1909: Kenya: Guaso Nyiro, plains: MCZ: 1 [1 - **1** - **1**].
19 July 1909: Kenya: Guaso Nyiro, plains: MCZ: 1 [1 - **1** - **1**].
23 July 1909: Kenya: Guaso Nyiro: MCZ: 4 [4 - **4** - **4**].
1 August 1909: Kenya: Guaso Nyiro: MCZ: 2 [2] - Meru: MCZ: 1 [1 - **3** - **3**].
2 August 1909: Kenya: Guaso Nyiro, above junction with Meru river: MCZ: 1 [1 - **1** - **1**].
6 August 1909: Kenya: Meru River: MCZ: 1 [1 - **1** - **1**].
7 August 1909: Kenya: Meru river: AMNH: 1, MCZ: 4 [5] - Mweru River: MCZ: 2 [2 - **7** - **7**].
11 August 1909: Kenya: Meru River: MCZ: 1 [1] - Mweru River: MCZ: 1 [1 - **2** - **2**].
17 August 1909: Kenya: Mweru River: MCZ: 5 [5 - **5**].
Tanzania: Meru River: MCZ: 5 [5 - **5** - **10**].
26 September 1909: Kenya: Mombasa: MCZ: 1 [1 - **1** - **1**].
6 January 1913: Sudan: Bados: FMNH: 1 [1 - **1** - **1**].
1 July 1926: Liberia: Monrovia: MCZ: 1 [1 - **1** - **1**].
15 July 1926: Liberia: Monrovia: MCZ: 1 [1 - **1** - **1**].
16 July 1926: Liberia: Monrovia: FMNH: 2 [2 - **2** - **2**].
27 July 1926: Liberia: Du River: MCZ: 2 [2 - **2** - **2**].
2 August 1926: Liberia: Du River: MCZ: 1 [1 - **1** - **1**].
6 August 1926: Liberia: Du River: MCZ: 2 [2 - **2** - **2**].
7 August 1926: Liberia: Du River: MCZ: 1 [1 - **1** - **1**].
11 August 1926: Liberia: Firestone: MCZ: 5 [5 - **5** - **5**].
13 August 1926: Liberia: Du River: MCZ: 1 [1] - Lengatown: MCZ: 2 [2 - **3** - **3**].
14 August 1926: Liberia: Du River: MCZ: 1 [1 - **1** - **1**].
17 August 1926: Liberia: Lengatown: MCZ: 1 [1 - **1** - **1**].
18 August 1926: Liberia: Lengatown: MCZ: 1 [1 - **1** - **1**].
29 August 1926: Liberia: Miamu: MCZ: 2 [2] - Monrovia: FMNH: 1 [1 - **3** - **3**].
1 September 1926: Liberia: Miamu: MCZ: 1 [1 - **1** - **1**].
17 September 1926: Liberia: Gbarnga: MCZ: 1 [1 - **1** - **1**].
28 September 1926: Liberia: Kassata: MCZ: 1 [1 - **1** - **1**].

1 October 1926: Liberia: Bangah: MCZ: 2 [2 - **2** - **2**].
21 October 1926: Liberia: Bangah: FMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for Allen, Glover Morrill: 68

Allen, Glover Morrill; Linder, David H.

1 October 1926: Liberia: Paiata: MCZ: 1 [1 - **1** - **1**].
8 October 1926: Liberia: Peahtah: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Allen, Glover Morrill; Linder, David H.: 2

Allen, Glover Morrill; Phillips Sudan Expedition, The

14 January 1913: Sudan: Aradeiba: MCZ: 1 [1 - **1** - **1**].
20 January 1913: Sudan: Aradeiba: MCZ: 1 [1 - **1** - **1**].
22 January 1913: Sudan: Aradeiba: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Allen, Glover Morrill; Phillips Sudan Expedition, The: 3

Allen, H.J.; Turner, H.J.A.

5 December 1915: Kenya: Yala river: NRM: 1 [1 - **1** - **1**].

Total Specimens for Allen, H.J.; Turner, H.J.A.: 1

Alletson, J.

23 March 1984: South Africa: Underberg, Trout hatchery: TM: 1 [1 - **1** - **1**].

Total Specimens for Alletson, J.: 1

Allison

Collection Date Unknown: Ghana: Kumasi: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Allison: 2

Allison, A.

6 April 1962: Sierra Leone: Musaia: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Allison, A.: 1

Allison, F.R.

Collection Date Unknown: Nigeria: Benin [City]: BMNH: 1 [1 - **1**].
Sierra Leone: Makeni: BMNH: 2 [2] - Musaia: BMNH: 2 [2 - **4** - **5**].
10 November 1958: Ghana: Sogakofe: BMNH: 1 [1 - **1** - **1**].
5 July 1959: Ethiopia: Ghibbey valley: BMNH: 1 [1 - **1** - **1**].
16 July 1959: Ethiopia: Robi: BMNH: 1 [1 - **1** - **1**].
2 October 1959: Ethiopia: Woliso: HZM: 1 [1 - **1** - **1**].
14 October 1959: Ethiopia: Woliso: HZM: 1 [1 - **1** - **1**].
9 May 1962: Sierra Leone: Musaia: BMNH: 1 [1 - **1** - **1**].
18 May 1962: Sierra Leone: Musaia: BMNH: 1 [1 - **1** - **1**].
11 March 1964: Ghana: Kumasi: BMNH: 2 [2 - **2** - **2**].
19 June 1967: Sudan: Disa: BMNH: 1 [1 - **1** - **1**].
20 August 1967: Sudan: Disa: BMNH: 1 [1 - **1** - **1**].
25 August 1967: Sudan: Disa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Allison, F.R.: 17

Allison, F.R.; Barry, D.H.

26 June 1965: Ghana: Kumasi: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Allison, F.R.; Barry, D.H.: 1

Alluaud, Ch.

Collection Date Unknown: Madagascar: Antsiran: MNHN: 2 [2 - **2**].
Tanzania: Kulumuzi caves: MNHN: 13 [13] - Tanga, Grotte de Kulumuzi: MNHN: 5 [5 - **18** - **20**].
11 June 1909: Tanzania: Kulumusi caves: FMNH: 2 [2] - Kulumuzi caves: MNHN: 2 [2 - **4** - **4**].

Total Specimens for Alluaud, Ch.: 24

Ames, P.L.

Collection Date Unknown: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
31 July 1982: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
23 December 1982: Senegal: Diabane: FMNH: 8 [8 - **8** - **8**].
24 December 1982: Senegal: Diabane: FMNH: 10 [10 - **10** - **10**].
27 December 1982: Senegal: Ziguinchor: FMNH: 3 [3 - **3** - **3**].
9 January 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
12 January 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
13 January 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
15 January 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
1 February 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Ames, P.L.: 28

Amory, H.R.

27 September 1915: Canary Islands (Spain): Agaete: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Amory, H.R.: 1

Anatomische Sammlung, Die

Collection Date Unknown: Sudan: Sennar: ZMB: 3 [3 - **3**].
Tanzania: Zanzibar: ZMB: 1 [1 - **1** - **4**].

Total Specimens for Anatomische Sammlung, Die: 4

Anchieta, José Alberto de Oliveira
(9 October 1832: Lisbon - 14 September 1897: Caconda (Angola))

Collection Date Unknown: Angola: Unknown locality: RMNH: 1 [1] - Caconda: BMNH: 1 [1] - Cahata: MNHN: 1 [1] - Galanga: MNHN: 2 [2] - Humbe: MSNG: 1 [1] - Pungo Andongo: BMNH: 1 [1 - **7** - **7**].
1 January 1891: Angola: Pungo Andongo: MLZA: 2 [2 - **2** - **2**].

Total Specimens for Anchieta, José Alberto de Oliveira: 9

Anciaux de Faveaux, Félix / Michel
(1920 -)

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 6 [6] - Baya caves: MNHN: 3 [3] - Elisabethville: MNHN: 3 [3] - Kakontwé caves: MNHN: 1 [1] - Kalulako: MNHN: 1 [1] - Katanga: MNHN: 4 [4] - Katanga, near: MNHN: 1 [1] - Kikanda: MNHN: 1 [1 - **20** - **20**].
1 January 1952: Congo (Democratic Republic of the): Sankuru: MHNG: 1 [1 - **1** - **1**].
11 October 1955: Congo (Democratic Republic of the): Kiswishi [river]: RMCA: 2 [2 - **2** - **2**].
20 October 1955: Congo (Democratic Republic of the): Kashiobwe mission: RMCA: 2 [2 - **2** - **2**].
27 October 1955: Congo (Democratic Republic of the): Keyberg: SMF: 1 [1 - **1** - **1**].
18 November 1955: Congo (Democratic Republic of the): Vinamont farm: RMCA: 1 [1 - **1** - **1**].
30 November 1955: Congo (Democratic Republic of the): Kipopo: MHNG: 1 [1 - **1** - **1**].
19 December 1955: Congo (Democratic Republic of the): Keyberg: RMCA: 2 [2 - **2** - **2**].
22 December 1955: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].
23 December 1955: Congo (Democratic Republic of the): Kinke: MHNG: 1 [1 - **1** - **1**].
5 January 1956: Congo (Democratic Republic of the): Kalulako: RMCA: 1 [1 - **1** - **1**].
12 January 1956: Congo (Democratic Republic of the): Elisabethville: BMNH: 1 [1 - **1** - **1**].
3 February 1956: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 1 [1] - Kibanda: MHNG: 3 [3] - Kikanda: RMCA: 2 [2 - **6** - **6**].
4 February 1956: Congo (Democratic Republic of the): Keyberg: MHNG: 2, RMCA: 2 [4 - **4** - **4**].
6 February 1956: Congo (Democratic Republic of the): Keyberg: MHNG: 2, RMCA: 7 [9] - Kikanda: RMCA: 1 [1] - Kipushi, 15 km from: RMCA: 2 [2] - Wasseige farm: RMCA: 4 [4 - **16** - **16**].
9 February 1956: Congo (Democratic Republic of the): Keyberg: RMCA: 4 [4 - **4** - **4**].
16 February 1956: Congo (Democratic Republic of the): Kapolowe mission: RMCA: 2 [2 - **2** - **2**].
17 February 1956: Congo (Democratic Republic of the): Keyberg: MHNG: 3, RMCA: 5 [8 - **8** - **8**].
26 February 1956: Congo (Democratic Republic of the): Kenya: RMCA: 2 [2 - **2** - **2**].
10 March 1956: Congo (Democratic Republic of the): Elisabethville: MHNG: 1, RMCA: 1 [2 - **2** - **2**].
12 March 1956: Congo (Democratic Republic of the): Baga Cave: HNHM: 2 [2] - Baya caves: RMCA: 2 [2] - Grotte de Baya: MHNG: 11 [11] - Pierkat quarry: RMCA: 51 [51 - **66** - **66**].
15 March 1956: Congo (Democratic Republic of the): Elisabethville: RMCA: 2 [2 - **2** - **2**].
17 March 1956: Congo (Democratic Republic of the): Keyberg: RMCA: 1 [1 - **1** - **1**].
18 March 1956: Congo (Democratic Republic of the): Grotte de Baya: MHNG: 2 [2] - Pierkat quarry: RMCA: 1 [1 - **3** - **3**].
26 March 1956: Congo (Democratic Republic of the): Bulaga: RMCA: 1 [1 - **1** - **1**].
31 March 1956: Congo (Democratic Republic of the): Kyasala cave: RMCA: 10 [10 - **10** - **10**].
6 April 1956: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].
15 April 1956: Congo (Democratic Republic of the): Kyasala cave: MHNG: 4, RMCA: 5 [9 - **9** - **9**].

16 April 1956: Congo (Democratic Republic of the): Kapolowe: RMCA: 1 [1] - Kapolowe mission: RMCA: 1 [1 - **2** - **2**].
22 April 1956: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1] - Kasapa: RMCA: 1 [1 - **2** - **2**].
29 April 1956: Congo (Democratic Republic of the): Kasapa: RMCA: 1 [1 - **1** - **1**].
14 May 1956: Congo (Democratic Republic of the): Grotte de Baya: MHNG: 3 [3] - Pierkat quarry: RMCA: 1 [1 - **4** - **4**].
22 May 1956: Congo (Democratic Republic of the): Grotte de Baya: MHNG: 1 [1 - **1** - **1**].
7 June 1956: Congo (Democratic Republic of the): Kakontwe Camp: RMCA: 1 [1 - **1** - **1**].
24 June 1956: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 1 [1 - **1** - **1**].
26 June 1956: Congo (Democratic Republic of the): Kakontwe cave: MHNG: 1, RMCA: 5 [6 - **6** - **6**].
28 June 1956: Congo (Democratic Republic of the): Mulungwishi cave: MHNG: 1, RMCA: 5 [6 - **6** - **6**].
3 July 1956: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 1 [1 - **1** - **1**].
4 July 1956: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 2 [2 - **2** - **2**].
9 July 1956: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 1 [1 - **1** - **1**].
10 July 1956: Congo (Democratic Republic of the): Elisabethville: RMCA: 2 [2 - **2** - **2**].
18 October 1956: Congo (Democratic Republic of the): St Gerard mission: RMCA: 4, SMF: 1 [5 - **5** - **5**].
20 October 1956: Congo (Democratic Republic of the): Kakonde: RMCA: 7, SMF: 2 [9 - **9** - **9**].
2 November 1956: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].
1 January 1957: Congo (Democratic Republic of the): Oso river: SMF: 2 [2 - **2** - **2**].
8 February 1957: Congo (Democratic Republic of the): St Therese mission: RMCA: 1 [1 - **1** - **1**].
13 February 1957: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 7 [7 - **7** - **7**].
1 March 1957: Congo (Democratic Republic of the): Jadotville: RMCA: 1 [1 - **1** - **1**].
25 March 1957: Congo (Democratic Republic of the): St Therese mission: RMCA: 1 [1 - **1** - **1**].
3 April 1957: Congo (Democratic Republic of the): Jadotville: RMCA: 9 [9 - **9** - **9**].
7 April 1957: Congo (Democratic Republic of the): Jadotville: RMCA: 1 [1 - **1** - **1**].
28 April 1957: Congo (Democratic Republic of the): Kakontwe cave: MHNG: 7 [7 - **7** - **7**].
19 June 1957: Congo (Democratic Republic of the): Defrenne cave: RMCA: 1 [1] - Pempere cave: RMCA: 13 [13] - Pempéré cave: MHNG: 5 [5 - **19** - **19**].
30 June 1957: Congo (Democratic Republic of the): Kakontwe: MHNG: 1, RMCA: 2 [3 - **3** - **3**].
8 July 1957: Congo (Democratic Republic of the): Jadotville: RMCA: 3 [3] - Kakontwe cave: MHNG: 5, RMCA: 10 [15 - **18** - **18**].
12 July 1957: Congo (Democratic Republic of the): Kakontwe cave: MHNG: 7, RMCA: 32 [39 - **39** - **39**].
16 July 1957: Congo (Democratic Republic of the): Mwadingusha: MHNG: 4, RMCA: 16 [20 - **20** - **20**].
25 July 1957: Congo (Democratic Republic of the): Kandu cave: MHNG: 6, RMCA: 28 [34 - **34** - **34**].
28 July 1957: Congo (Democratic Republic of the): Kyasala cave: MHNG: 2, RMCA: 18 [20] - Kyasala grande grotte: MHNG: 7 [7] - Lusolo cave: MHNG: 7, RMCA: 25 [32 - **59** - **59**].
29 July 1957: Congo (Democratic Republic of the): Kyantapo cave: MHNG: 2, RMCA: 4 [6 - **6** - **6**].
30 July 1957: Congo (Democratic Republic of the): Mulonga cave: MHNG: 5, RMCA: 6 [11 - **11** - **11**].
25 August 1957: Congo (Democratic Republic of the): Tshamalenge cave: MHNG: 1 [1 - **1** - **1**].
30 August 1957: Congo (Democratic Republic of the): Mulonga cave: RMCA: 1 [1 - **1** - **1**].
22 September 1957: Congo (Democratic Republic of the): Kakontwe cave: MHNG: 1 [1 - **1** - **1**].
23 September 1957: Congo (Democratic Republic of the): Jadotville: MHNG: 1 [1 - **1** - **1**].
29 September 1957: Congo (Democratic Republic of the): Dethioux farm cave: MHNG: 7 [7] - Tantara cave: RMCA: 5 [5 - **12** - **12**].
20 October 1957: Congo (Democratic Republic of the): Pempere cave: RMCA: 26 [26] - Pempéré cave: MHNG: 2 [2 - **28** - **28**].
11 November 1957: Congo (Democratic Republic of the): Tantara cave: RMCA: 1 [1 - **1** - **1**].
1 December 1957: Congo (Democratic Republic of the): Jadotville: RMCA: 4 [4] - Kalumbu cave: RMCA: 19 [19] - Katanga: SMF: 3 [3 - **26** - **26**].
10 December 1957: Congo (Democratic Republic of the): Jadotville: RMCA: 7 [7] - Jadoville: SMF: 2 [2 - **9** - **9**].
18 December 1957: Congo (Democratic Republic of the): Katanga: SMF: 3 [3] - Mwadingusha: RMCA: 5 [5 - **8** - **8**].
15 January 1958: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 1 [1 - **1** - **1**].
20 January 1958: Congo (Democratic Republic of the): St Therese mission: RMCA: 1 [1 - **1** - **1**].
6 February 1958: Congo (Democratic Republic of the): Katanga: SMF: 2 [2 - **2** - **2**].
1 April 1958: Congo (Democratic Republic of the): Panda Camp: RMCA: 1 [1 - **1** - **1**].
21 April 1958: Congo (Democratic Republic of the): Pempere cave: RMCA: 1 [1 - **1** - **1**].
1 May 1958: Congo (Democratic Republic of the): Katanga: SMF: 2 [2] - Swanepoel I cave: RMCA: 1 [1] - Swanepoel II abyss: RMCA: 8 [8 - **11** - **11**].
2 June 1958: Congo (Democratic Republic of the): Jadotville: RMCA: 1 [1 - **1** - **1**].
3 June 1958: Congo (Democratic Republic of the): Jadotville: RMCA: 7 [7] - Katanga: SMF: 3 [3 - **10** - **10**].
8 June 1958: Congo (Democratic Republic of the): Jadotville: RMCA: 2 [2 - **2** - **2**].
11 June 1958: Congo (Democratic Republic of the): Pempere cave: RMCA: 4, SMF: 4 [8 - **8** - **8**].
15 June 1958: Congo (Democratic Republic of the): Dethioux farm, cave I: RMCA: 7 [7] - Dethioux farm, cave II: RMCA: 1 [1 - **8** - **8**].
22 June 1958: Congo (Democratic Republic of the): Jadotville: RMCA: 1 [1 - **1** - **1**].
23 July 1958: Congo (Democratic Republic of the): Mufunga: RMCA: 1 [1 - **1** - **1**].
31 August 1958: Congo (Democratic Republic of the): Defrenne cave: RMCA: 1 [1] - Jadotville: RMCA: 1 [1 - **2** - **2**].
15 October 1958: Congo (Democratic Republic of the): Jadotville: RMCA: 1 [1 - **1** - **1**].
6 November 1958: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 2 [2 - **2** - **2**].
13 February 1959: Congo (Democratic Republic of the): Jadotville: RMCA: 1 [1 - **1** - **1**].
26 March 1959: Congo (Democratic Republic of the): Jadotville: RMCA: 6 [6 - **6** - **6**].
22 April 1959: Congo (Democratic Republic of the): Kakanda cave: RMCA: 35 [35 - **35** - **35**].
1 May 1959: Congo (Democratic Republic of the): Mulonga cave: RMCA: 5 [5 - **5** - **5**].
2 May 1959: Congo (Democratic Republic of the): Mpopola cave: RMCA: 12 [12 - **12** - **12**].
20 May 1959: Congo (Democratic Republic of the): Mwadingusha: RMCA: 2 [2 - **2** - **2**].
25 May 1959: Congo (Democratic Republic of the): Jadotville: RMCA: 1 [1 - **1** - **1**].
21 June 1959: Congo (Democratic Republic of the): Defrenne cave: RMCA: 107 [107 - **107** - **107**].
1 July 1959: Congo (Democratic Republic of the): Kalumbu cave: RMCA: 3 [3 - **3** - **3**].
11 November 1959: Congo (Democratic Republic of the): Mwela-Panda cave: SMF: 1 [1 - **1** - **1**].
6 December 1959: Congo (Democratic Republic of the): Jadotville: RBINS: 2 [2 - **2** - **2**].

18 December 1959: Congo (Democratic Republic of the): Jadotville: RBINS: 1 [1 - **1** - **1**].
4 June 1960: Congo (Democratic Republic of the): Dethiox caves: SMF: 10 [10] - Detioux Cave: SMF: 1 [1 - **11** - **11**].
11 June 1960: Congo (Democratic Republic of the): Kalomoni cave: SMF: 1 [1] - Katanga: SMF: 3 [3 - **4** - **4**].
28 June 1960: Congo (Democratic Republic of the): Katanga: SMF: 4 [4 - **4** - **4**].
2 August 1960: Congo (Democratic Republic of the): Shinkolobwe: RBINS: 3, SMF: 2 [5 - **5** - **5**].
7 August 1960: Congo (Democratic Republic of the): Defrenne cave: SMF: 2 [2 - **2** - **2**].
21 September 1960: Congo (Democratic Republic of the): Kakanda cave: SMF: 2 [2] - Kondo cave: SMF: 2 [2 - **4** - **4**].
22 September 1960: Congo (Democratic Republic of the): Kakanda cave: RBINS: 2 [2 - **2** - **2**].
17 January 1961: Congo (Democratic Republic of the): Kakontwa: RBINS: 1 [1 - **1** - **1**].
3 April 1961: Congo (Democratic Republic of the): Katanga: SMF: 1 [1 - **1** - **1**].
16 June 1961: Congo (Democratic Republic of the): Kamatanda: SMF: 2 [2 - **2** - **2**].
19 April 1962: Congo (Democratic Republic of the): Katanga: SMF: 2 [2] - Kyasala cave: MHNG: 1 [1 - **3** - **3**].
22 April 1962: Congo (Democratic Republic of the): Katanga: SMF: 2 [2] - Kyasala cave: MHNG: 1 [1 - **3** - **3**].
24 April 1962: Congo (Democratic Republic of the): Unknown locality: SMF: 1 [1] - Kaboyaboya cave: MHNG: 1 [1] - Katanga: SMF: 1 [1] - Lubudi: SMF: 1 [1 - **4** - **4**].
20 May 1962: Congo (Democratic Republic of the): Unknown locality: SMF: 2 [2 - **2** - **2**].
31 May 1962: Congo (Democratic Republic of the): Kakanda cave: MHNG: 8 [8] - Katanga: SMF: 9 [9 - **17** - **17**].
30 June 1962: Congo (Democratic Republic of the): Unknown locality: SMF: 2 [2] - "Trou aux Serpents": SMF: 1 [1 - **3** - **3**].
16 July 1962: Congo (Democratic Republic of the): Lubudi-Lusolo: SMF: 1 [1] - Lusolo cave: MHNG: 6, SMF: 6 [12 - **13** - **13**].
18 July 1962: Congo (Democratic Republic of the): Unknown locality: SMF: 4 [4] - Kaboyaboya cave: SMF: 3 [3] - Katanga: SMF: 1 [1] - Kyamakonde cave: MHNG: 2 [2 - **10** - **10**].
21 July 1962: Congo (Democratic Republic of the): Katanga: SMF: 1 [1] - Kyasala cave: MHNG: 1, SMF: 2 [3 - **4** - **4**].
23 July 1962: Congo (Democratic Republic of the): Kaboyaboya cave: MHNG: 7, SMF: 3 [10] - Lubudi: SMF: 3 [3 - **13** - **13**].
26 July 1962: Congo (Democratic Republic of the): Mulong cave: SMF: 5 [5 - **5** - **5**].
3 August 1962: Congo (Democratic Republic of the): Kapolowe: SMF: 1 [1 - **1** - **1**].
13 August 1962: Congo (Democratic Republic of the): Unknown locality: SMF: 1 [1] - Kasoma cave: HNHM: 2, MHNG: 7, SMF: 9 [18] - Katanga: SMF: 8 [8 - **27** - **27**].
18 August 1962: Congo (Democratic Republic of the): Kasoma cave: RBINS: 1 [1 - **1** - **1**].
25 August 1962: Congo (Democratic Republic of the): Defrenne cave: MHNG: 1 [1] - Pempere cave: SMF: 1 [1 - **2** - **2**].
8 September 1962: Congo (Democratic Republic of the): St Gerard mission: SMF: 1 [1 - **1** - **1**].
13 November 1962: Congo (Democratic Republic of the): Farm 'des grands bois': RMCA: 1 [1 - **1** - **1**].
15 November 1962: Congo (Democratic Republic of the): Jadotville: RMCA: 1 [1] - Panda: RMCA: 1 [1 - **2** - **2**].
18 November 1962: Congo (Democratic Republic of the): Panda: RMCA: 1 [1 - **1** - **1**].
20 October 1963: Congo (Democratic Republic of the): Mura pumping station: RMCA: 2 [2 - **2** - **2**].
22 December 1963: Congo (Democratic Republic of the): Panda: RMCA: 1 [1 - **1** - **1**].
3 January 1964: Congo (Democratic Republic of the): Kalomoni cave: RMCA: 4 [4 - **4** - **4**].
31 January 1964: Congo (Democratic Republic of the): Kalomoni cave: RMCA: 1 [1 - **1** - **1**].
28 June 1964: Congo (Democratic Republic of the): Kasowena cave: RMCA: 8 [8] - Mwanga cave: RMCA: 5 [5 - **13** - **13**].
30 June 1964: Congo (Democratic Republic of the): Mwanga cave: RMCA: 7 [7 - **7** - **7**].
8 May 1965: Congo (Democratic Republic of the): Kalomoni cave: RMCA: 1 [1 - **1** - **1**].
1 January 1966: Rwanda: Rubona: RBINS: 1 [1 - **1** - **1**].
18 January 1966: Rwanda: Rubona: RBINS: 2 [2 - **2** - **2**].
20 January 1966: Rwanda: Rubona: RBINS: 1 [1 - **1** - **1**].
27 January 1966: Rwanda: Rubona: RBINS: 1 [1 - **1** - **1**].
1 February 1966: Rwanda: Nyumba cave: RBINS: 10 [10 - **10** - **10**].
8 June 1966: Rwanda: Musanze: RBINS: 2 [2 - **2** - **2**].
18 June 1966: Rwanda: Butare: RBINS: 1 [1 - **1** - **1**].
15 October 1966: Rwanda: Rubona: RBINS: 2 [2 - **2** - **2**].
25 October 1966: Rwanda: Astrida: RBINS: 1 [1 - **1** - **1**].
11 November 1966: Rwanda: Astrida: RBINS: 2 [2 - **2** - **2**].
22 November 1966: Rwanda: Rubona: RBINS: 1 [1 - **1** - **1**].
24 November 1966: Rwanda: Gafumba: RBINS: 5 [5 - **5** - **5**].
4 December 1966: Rwanda: Rubona: RBINS: 2 [2 - **2** - **2**].
7 December 1966: Rwanda: Nyumba cave: RBINS: 4 [4 - **4** - **4**].
10 December 1966: Rwanda: Rubona: RBINS: 1 [1 - **1** - **1**].
17 December 1966: Rwanda: Nyumba cave: RBINS: 1 [1 - **1** - **1**].
19 December 1966: Rwanda: Mugogwe: RBINS: 1 [1 - **1** - **1**].
21 December 1966: Rwanda: Rubona: RBINS: 2 [2 - **2** - **2**].
25 December 1966: Rwanda: Astrida: RBINS: 1 [1 - **1** - **1**].
27 December 1966: Rwanda: Rubona: RBINS: 1 [1 - **1** - **1**].
8 January 1967: Rwanda: Rubona: RBINS: 2 [2 - **2** - **2**].
23 January 1967: Rwanda: Rubona: RBINS: 3 [3 - **3** - **3**].
29 September 1967: Congo (Democratic Republic of the): Tantara cave: RMCA: 1 [1 - **1** - **1**].
1 March 1968: Rwanda: Simbi cave: RBINS: 1 [1 - **1** - **1**].
25 March 1968: Rwanda: Musha: RBINS: 1 [1 - **1** - **1**].
10 April 1968: Rwanda: Simbi cave: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Anciaux de Faveaux, Félix / Michel: 1000

Anciaux de Faveaux, Michel

30 November 1955: Congo (Democratic Republic of the): Kipopo: SMF: 1 [1 - **1** - **1**].

Total Specimens for Anciaux de Faveaux, Michel: 1

Andersen

6 May 1957: Tanzania: Lembeni: SMNS: 1 [1 - **1** - **1**].
3 June 1957: Tanzania: Lembeni: ZFMK: 2 [2 - **2** - **2**].
11 June 1957: Tanzania: Lembeni: SMNS: 1 [1 - **1** - **1**].
3 July 1957: Tanzania: Sam Deli: ZFMK: 1 [1 - **1** - **1**].
5 September 1957: Tanzania: Lembeni: SMNS: 1 [1 - **1** - **1**].
4 November 1957: Tanzania: Lembeni: SMNS: 1 [1 - **1** - **1**].
17 December 1957: Tanzania: Lembeni: SMNS: 1 [1 - **1** - **1**].
28 December 1957: Tanzania: Kidugallo: ZFMK: 1 [1 - **1** - **1**].
21 January 1960: Tanzania: Lembeni: ZFMK: 1 [1 - **1** - **1**].
23 April 1960: Tanzania: Lembeni: ZFMK: 1 [1 - **1** - **1**].
2 May 1960: Tanzania: Lembeni: ZFMK: 3 [3 - **3** - **3**].
8 July 1960: Tanzania: Soga: ZFMK: 2 [2 - **2** - **2**].
10 July 1960: Tanzania: Soga: ZFMK: 1 [1 - **1** - **1**].
11 July 1960: Tanzania: Soga: ZFMK: 2 [2 - **2** - **2**].
14 July 1960: Tanzania: Soga: ZFMK: 1 [1 - **1** - **1**].
16 July 1960: Tanzania: Soga: ZFMK: 1 [1 - **1** - **1**].
19 July 1960: Tanzania: Soga: ZFMK: 1 [1 - **1** - **1**].
20 July 1960: Tanzania: Soga: ZFMK: 1 [1 - **1** - **1**].
25 July 1960: Tanzania: Dar es Salaam: ZFMK: 3 [3 - **3** - **3**].
26 July 1960: Tanzania: Soga: ZFMK: 4 [4 - **4** - **4**].
27 July 1960: Tanzania: Soga: ZFMK: 2 [2 - **2** - **2**].
30 July 1960: Tanzania: Soga: ZFMK: 1 [1 - **1** - **1**].
30 October 1960: Tanzania: Soga: ZFMK: 3 [3 - **3** - **3**].
17 July 1962: Tanzania: Mikindani: ZFMK: 1 [1 - **1** - **1**].
18 July 1962: Tanzania: Mikindani: ZFMK: 3 [3 - **3** - **3**].
24 July 1962: Tanzania: Mikindani: ZFMK: 1 [1 - **1** - **1**].
14 August 1962: Tanzania: Mikindani: ZFMK: 3 [3 - **3** - **3**].
13 December 1963: Tanzania: Mikindani: ZFMK: 4 [4 - **4** - **4**].

Total Specimens for Andersen: 48

Andersen, Th.

Collection Date Unknown: Congo (Democratic Republic of the): Irsac labo: ZFMK: 1 [1 - **1**].
Tanzania: Mikindani: SMF: 1 [1 - **1** - **2**].
22 August 1954: Tanzania: Kidugallo: SMF: 1 [1 - **1** - **1**].
17 June 1957: Tanzania: Lembeni: ZFMK: 1 [1 - **1** - **1**].
21 June 1957: Tanzania: Lembeni: ZFMK: 1 [1 - **1** - **1**].
10 July 1957: Tanzania: Same: SMNS: 1 [1 - **1** - **1**].
11 July 1957: Tanzania: Dali: ZFMK: 1 [1 - **1** - **1**].
12 July 1957: Tanzania: Dali: ZFMK: 1 [1 - **1** - **1**].
23 August 1957: Tanzania: Lembeni: SMNS: 1 [1 - **1** - **1**].
26 August 1957: Tanzania: Lembeni: ZFMK: 1 [1 - **1** - **1**].
4 November 1957: Tanzania: Lembeni: SMNS: 2 [2 - **2** - **2**].
7 December 1957: Tanzania: Kidugallo: SMNS: 1 [1 - **1** - **1**].
8 December 1957: Tanzania: Kidugallo: ZFMK: 1 [1 - **1** - **1**].
23 December 1957: Tanzania: Kidugallo: SMNS: 1 [1 - **1** - **1**].
17 March 1960: Tanzania: Lembeni: ZFMK: 1 [1 - **1** - **1**].
18 March 1960: Tanzania: Lembeni: ZFMK: 1 [1 - **1** - **1**].
21 March 1960: Tanzania: Lembeni: ZFMK: 1 [1 - **1** - **1**].
18 April 1960: Tanzania: Lembeni: ZFMK: 1 [1 - **1** - **1**].
27 April 1960: Tanzania: Lembeni: ZFMK: 2 [2 - **2** - **2**].
11 May 1960: Tanzania: Lembeni: ZFMK: 1 [1 - **1** - **1**].
8 July 1960: Tanzania: Soga: ZFMK: 1 [1 - **1** - **1**].
9 July 1960: Tanzania: Soga: ZFMK: 1 [1 - **1** - **1**].
17 July 1960: Tanzania: Kugulwira: NMBE: 1 [1] - Morogoro: ZFMK: 3 [3 - **4** - **4**].
21 July 1960: Tanzania: Kisarawe: ZFMK: 2 [2 - **2** - **2**].
1 August 1960: Tanzania: Soga: ZFMK: 4 [4 - **4** - **4**].
2 August 1960: Tanzania: Soga: ZFMK: 3 [3 - **3** - **3**].
4 August 1960: Tanzania: Soga: NMBE: 1 [1 - **1** - **1**].
18 August 1960: Tanzania: Kisarawe: ZFMK: 1 [1 - **1** - **1**].
6 September 1960: Tanzania: Kisarawe: ZFMK: 1 [1 - **1** - **1**].
14 July 1962: Tanzania: Mikindani: SMF: 1 [1 - **1** - **1**].
18 July 1962: Tanzania: Mikindani: SMF: 3 [3 - **3** - **3**].
23 July 1962: Tanzania: Mikindani: SMF: 1 [1 - **1** - **1**].
30 July 1962: Tanzania: Mtwara region: SMF: 2 [2 - **2** - **2**].
5 September 1962: Tanzania: Mikindani: ZFMK: 1 [1 - **1** - **1**].
1 October 1962: Tanzania: Mikindani: ZFMK: 1 [1 - **1** - **1**].
12 December 1963: Tanzania: Mikindani: ZFMK: 2 [2 - **2** - **2**].
17 February 1964: Tanzania: Mtwara region: SMF: 1 [1 - **1** - **1**].
9 March 1964: Tanzania: Mikindani: SMF: 1 [1 - **1** - **1**].
17 March 1964: Tanzania: Mikindani: SMF: 1 [1] - Mtwara region: SMF: 1 [1 - **2** - **2**].
20 March 1964: Tanzania: Mikindani: SMF: 4 [4 - **4** - **4**].

21 March 1964: Tanzania: Mikindani: SMF: 5 [5 - **5** - **5**].
17 June 1964: Tanzania: Mikindani: ZFMK: 1 [1 - **1** - **1**].
8 August 1964: Tanzania: Mikindani: SMF: 2 [2 - **2** - **2**].
17 September 1964: Tanzania: Mikindani: SMF: 2 [2] - Mtwara region: SMF: 1 [1 - **3** - **3**].
20 September 1964: Tanzania: Mikindani: SMF: 3 [3 - **3** - **3**].
28 September 1964: Tanzania: Mikindani: SMF: 1 [1 - **1** - **1**].
1 October 1964: Tanzania: Mikindani: SMF: 4 [4 - **4** - **4**].
1 January 1965: Tanzania: Mikindani: SMF: 3 [3 - **3** - **3**].
13 January 1965: Tanzania: Mikindani: SMF: 2 [2 - **2** - **2**].
14 January 1965: Tanzania: Mikindani: SMF: 1 [1 - **1** - **1**].
22 January 1965: Tanzania: Mikindani: SMF: 1 [1 - **1** - **1**].
21 February 1965: Tanzania: Mikindani: SMF: 1 [1 - **1** - **1**].
8 February 1966: Tanzania: Mtwara region: SMF: 1 [1 - **1** - **1**].
11 February 1966: Tanzania: Mikindani: SMF: 12 [12 - **12** - **12**].
14 February 1966: Tanzania: Mikindani: SMF: 8 [8] - Mtwara region: SMF: 1 [1 - **9** - **9**].
30 March 1966: Tanzania: Mikindani: SMF: 6 [6 - **6** - **6**].
13 May 1966: Tanzania: Mikindani: SMF: 3 [3 - **3** - **3**].
14 May 1966: Tanzania: Mikindani: SMF: 6 [6 - **6** - **6**].
18 May 1966: Tanzania: Mikindani: SMF: 6 [6 - **6** - **6**].
22 May 1966: Tanzania: Mikindani: SMF: 13 [13 - **13** - **13**].
27 May 1966: Tanzania: Mikindani: SMF: 4 [4 - **4** - **4**].
30 May 1966: Tanzania: Mikindani: SMF: 1 [1 - **1** - **1**].
2 June 1966: Tanzania: Mikindani: SMF: 1 [1 - **1** - **1**].
22 June 1966: Tanzania: Mikindani: SMF: 3 [3] - Mtwara region: SMF: 3 [3 - **6** - **6**].
27 June 1966: Tanzania: Mikindani: SMF: 23 [23 - **23** - **23**].
30 June 1966: Tanzania: Mikindani: SMF: 9 [9 - **9** - **9**].
6 July 1966: Tanzania: Mikindani: SMF: 3 [3 - **3** - **3**].
8 July 1966: Tanzania: Mtwara region: SMF: 1 [1 - **1** - **1**].
18 July 1966: Tanzania: Mtwara region: SMF: 2 [2 - **2** - **2**].
20 July 1966: Tanzania: Mtwara region: SMF: 1 [1 - **1** - **1**].

Total Specimens for Andersen, Th.: 193

Anderson, 1

Collection Date Unknown: Namibia: Olifants Vlei: BMNH: 1 [1 - **1** - **1**].
1 November 1899: Namibia: Olifants Vlei: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Anderson, 1: 2

Anderson, A.B.

20 August 1946: South Sudan: Torit, 36 mi S: FMNH: 1 [1 - **1** - **1**].
23 August 1946: South Sudan: Torit, 36 mi S: FMNH: 1 [1 - **1** - **1**].
26 December 1946: South Sudan: Juba, 400 mi [= 640 km] W: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Anderson, A.B.: 3

Anderson, John
(1833: Edinburgh - 15 August 1900: Buxton)

Collection Date Unknown: Egypt: Unknown locality: MCZ: 1 [1] - Assuan: ZMA: 1 [1] - Aswan: BMNH: 1 [1] - Cairo, Gizeh and Theben, between: BMNH: 2 [2] - El Tur: BMNH: 1 [1] - Gizeh pyramids: BMNH: 1 [1] - Karnak: BMNH: 2 [2] - Khayzan: BMNH: 1 [1] - Siwa Oasis: BMNH: 2 [2 - **12** - **12**].
16 December 1891: Egypt: Gizeh: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Anderson, John: 13

Anderson, P.

16 September 1994: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Anderson, P.: 1

Anderson; Anderson, John

Collection Date Unknown: Egypt: Beltim: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Anderson; Anderson, John: 1

Anderson; Witherby, H.F.

Collection Date Unknown: Sudan: Jebel Aulia: BMNH: 2 [2 - **2** - **2**].
10 May 1900: Sudan: Jebel Aulia: BMNH: 1 [1 - **1** - **1**].
12 May 1900: Sudan: Wad Marium: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Anderson; Witherby, H.F.: 4

Andersson, C.J.

8 August 1859: Namibia: Olifant's Vlei [= Elephant Vlei / Vley]: BMNH: 1 [1 - **1** - **1**].
10 August 1859: Namibia: Olifant's Vlei [= Elephant Vlei / Vley]: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Andersson, C.J.: 2

Andersson; Tomes

Collection Date Unknown: Namibia: Otjoro [=Otjihoro]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Andersson; Tomes: 1

Andral

1 January 1964: Ethiopia: Manera forest: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Andral: 2

Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel

12 May 2002: Libya: Al Burdi: NMP: 1 [1 - **1** - **1**].
13 May 2002: Libya: Al Jaghbub: NMP: 2 [2 - **2** - **2**].
15 May 2002: Libya: Wadi Darnah: NMP: 3 [3 - **3** - **3**].
16 May 2002: Libya: Wadi Darnah cave: NMP: 1 [1 - **1** - **1**].
17 May 2002: Libya: Wadi al Minshiyah: NMP: 1 [1 - **1** - **1**].
20 May 2002: Libya: Wadi Al Kuf: NMP: 1 [1] - Wadi al Kuf: NMP: 3 [3] - Wadi al Kuf [= Jabal Akhdar Mts]: NMP: 1 [1 - **5** - **5**].
22 May 2002: Libya: Sidi Mohammad Al Mablehut: NMP: 2 [2 - **2** - **2**].
28 May 2002: Libya: Nanatalah: NMP: 1 [1 - **1** - **1**].

Total Specimens for Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: 16

Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.

8 September 2005: Egypt: Wadi El Feiran: NMP: 1 [1] - western edge of Feiran Oasis: NMP: 1 [1 - **2** - **2**].
9 September 2005: Egypt: El Milga: NMP: 1 [1] - Wadi El Feiran: NMP: 1 [1] - western edge of Feiran Oasis: NMP: 1 [1 - **3** - **3**].
10 September 2005: Egypt: El Tur: NMP: 1 [1] - Feiran: NMP: 11 [11] - Wadi El Feiran: NMP: 1 [1 - **13** - **13**].
11 September 2005: Egypt: El Tur: NMP: 1 [1 - **1** - **1**].
14 September 2005: Egypt: Ain Hudra: NMP: 1 [1 - **1** - **1**].
15 September 2005: Egypt: Ain Hudra: NMP: 1 [1 - **1** - **1**].
16 September 2005: Egypt: Ain El Furtaga: NMP: 9 [9 - **9** - **9**].
18 September 2005: Egypt: Ain Sudr: NMP: 1 [1 - **1** - **1**].

Total Specimens for Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: 31

Andreini

1 December 1901: Eritrea: Adi Ugri: MZUF: 10 [10 - **10** - **10**].

Total Specimens for Andreini: 10

Andulege; Mdumu

15 April 1985: Tanzania: Moringside: SMF: 1 [1 - **1** - **1**].

Total Specimens for Andulege; Mdumu: 1

Anema, L.

1 January 1884: Congo (Democratic Republic of the): Banana: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Anema, L.: 1

Ansell, P.D.H.

Collection Date Unknown: Zambia: Chilanga: AMS: 1 [1] - Muyombe: HZM: 1 [1 - **2** - **2**].
24 July 1953: Zambia: Sakeji Stream, headwaters: AMS: 1 [1 - **1** - **1**].
2 August 1970: Zambia: Mnyombe: HNHM: 1 [1 - **1** - **1**].
14 July 1973: Zambia: Mwombezhi river: HZM: 1 [1] - Mwombezi village: MSB: 1 [1 - **2** - **2**].
17 July 1973: Zambia: Nyansowe stream: MSB: 1 [1 - **1** - **1**].
24 July 1973: Zambia: Mwinilunga, Sakeji Stream: HNHM: 1 [1 - **1** - **1**].

27 July 1973: Zambia: Jumbe river: HZM: 1 [1 - **1** - **1**].
29 July 1973: Zambia: Kanyale stream: HNHM: 1, NMZL: 1 [2 - **2** - **2**].
30 July 1973: Zambia: Kanyale stream: AMS: 1, HZM: 1 [2 - **2** - **2**].
11 October 1973: Zambia: Kalabo: AMS: 1 [1 - **1** - **1**].
28 December 1973: Zambia: Munali: AMS: 1 [1 - **1** - **1**].
1 August 1974: Zambia: Ngwerere cave: AMS: 1 [1 - **1** - **1**].

Total Specimens for Ansell, P.D.H.: 16

Ansell, William Frank Harding
(13 June 1923; Devoran - 6 December 1996; Penzance)

Collection Date Unknown: "Africa": Unknown locality: BMNH: 1 [1 - **1**].
Malawi: Kota Kota: AMNH: 2 [2 - **2**].
Zambia: Chilwa Island: BMNH: 1 [1] - Chipongwe Cave: BMNH: 1, NMZL: 1 [2] - Fort Jameson: NHMZ: 1 [1] - Luanshya, 6 mi S: HZM: 1 [1] - Mazabuka: BMNH: 4 [4] - Mazabuka Boma: BMNH: 13 [13] - Missale Old Mine: BMNH: 17 [17] - Muozi Stream, near: BMNH: 1 [1] - Mwanya: BMNH: 1 [1] - Sasare Old Mine: BMNH: 9 [9] - Solwezi Boma: BMNH: 5 [5 - **55** - **58**].
19 February 1948: Zambia: Kasempa Boma: KM: 1 [1 - **1** - **1**].
3 July 1949: Zambia: Lunga pontoon: BMNH: 2, KM: 2 [4 - **4** - **4**].
11 March 1952: Zambia: Solwezi Boma: BMNH: 2 [2 - **2** - **2**].
28 April 1952: Zambia: Solwezi Boma: BMNH: 2, USNM: 1 [3 - **3** - **3**].
25 November 1952: Zambia: Mazabuka Boma: BMNH: 1 [1 - **1** - **1**].
11 February 1953: Zambia: Mazabuka Boma: BMNH: 1 [1 - **1** - **1**].
3 January 1955: Zambia: Mazabuka Boma: HZM: 1 [1 - **1** - **1**].
14 January 1956: Zambia: Mazabuka Boma: HZM: 1 [1 - **1** - **1**].
8 May 1956: Zambia: Ndola: HZM: 1 [1 - **1** - **1**].
5 January 1957: Zambia: Luanshya: HZM: 1 [1 - **1** - **1**].
12 January 1957: Zambia: Luanshya: HZM: 1 [1 - **1** - **1**].
14 January 1957: Zambia: Luanshya, 6 mi S: HNHM: 1 [1 - **1** - **1**].
8 February 1957: Zambia: Chizera: HZM: 1 [1 - **1** - **1**].
22 April 1957: Zambia: Ndola: HZM: 1 [1 - **1** - **1**].
30 December 1958: Zambia: Kabompo [=Kabompo Boma]: ROM: 1 [1 - **1** - **1**].
20 January 1959: Zambia: Manyinga River: HZM: 1 [1 - **1** - **1**].
3 March 1959: Zambia: Balovale: BMNH: 2 [2] - Chavuma Area: HZM: 1 [1 - **3** - **3**].
31 March 1959: Zambia: Kabompo Boma: HZM: 1 [1 - **1** - **1**].
1 May 1959: Zambia: Kabompo Boma: RMCA: 1 [1 - **1** - **1**].
13 May 1959: Zambia: Kafue Gorge: HZM: 11, RMCA: 2 [13] - Kafue Gorge, near: BMNH: 2 [2 - **15** - **15**].
2 June 1959: Zambia: Kabompo Boma: RMCA: 1 [1 - **1** - **1**].
14 June 1959: Zambia: Chingi: HZM: 1 [1 - **1** - **1**].
24 July 1959: Zambia: Kasompe camp: HZM: 1 [1 - **1** - **1**].
14 November 1959: Zambia: Kabompo [=Kabompo Boma]: RMCA: 1 [1 - **1** - **1**].
27 November 1959: Zambia: Kabompo Boma: HZM: 1 [1 - **1** - **1**].
18 July 1960: Zambia: Chilanga: RMCA: 1 [1 - **1** - **1**].
8 January 1962: Zambia: Chikundulu river: BMNH: 1 [1 - **1** - **1**].
26 January 1963: Zambia: Fort Jameson: NHMZ: 1 [1 - **1** - **1**].
4 February 1963: Zambia: Missale Old Mine: BMNH: 4 [4 - **4** - **4**].
15 February 1963: Zambia: Missale Old Mine: BMNH: 1 [1 - **1** - **1**].
27 March 1963: Zambia: Chipanga, Chipata: FMNH: 1 [1 - **1** - **1**].
1 April 1963: Zambia: Chipanga, Chipata: FMNH: 1 [1 - **1** - **1**].
2 April 1963: Zambia: Chipanga, Chipata: FMNH: 1 [1 - **1** - **1**].
6 April 1963: Zambia: Chipanga, Chipata: FMNH: 1 [1 - **1** - **1**].
1 May 1963: Zambia: Missale Old Mine: AMNH: 1, FMNH: 2 [3 - **3** - **3**].
24 June 1963: Zambia: Fort Jameson: NHMZ: 1 [1 - **1** - **1**].
17 August 1963: Zambia: Pwira Pan: BMNH: 1 [1 - **1** - **1**].
12 November 1963: Zambia: Mfuwe Game Camp: BMNH: 1 [1 - **1** - **1**].
2 December 1963: Zambia: Fort Jameson District: AMNH: 1 [1 - **1** - **1**].
5 February 1964: Zambia: Chipengali Area: AMNH: 1 [1] - Kongwe Hill: BMNH: 2 [2 - **3** - **3**].
6 February 1964: Zambia: Kongwe Hill: BMNH: 2 [2 - **2** - **2**].
4 March 1964: Zambia: Mpomwa Hills: BMNH: 1 [1 - **1** - **1**].
28 March 1964: Zambia: Mfuwe: BMNH: 1 [1 - **1** - **1**].
29 March 1964: Zambia: Luangwa: BMNH: 2 [2] - Mfuwe: BMNH: 5, NHMZ: 1 [6] - Mfuwe Game Camp: BMNH: 2 [2] - South Luangwa Valley, Mfuwe: BMNH: 1 [1 - **11** - **11**].
30 March 1964: Zambia: Luangwa: BMNH: 2 [2] - Mfuwe: NHMZ: 1 [1] - Mfuwe Game Camp: BMNH: 2 [2 - **5** - **5**].
26 August 1964: Zambia: Nyimba and Fort Jameson, between: BMNH: 1 [1 - **1** - **1**].
3 August 1965: Zambia: Lusaka: BMNH: 1 [1 - **1** - **1**].
4 March 1966: Zambia: Lusaka: BMNH: 1 [1 - **1** - **1**].
22 August 1968: Zambia: Ngoma: BMNH: 1 [1 - **1** - **1**].
4 July 1969: Zambia: Ngoma: BMNH: 1 [1 - **1** - **1**].
25 August 1969: Zambia: Ngoma: AMNH: 1 [1 - **1** - **1**].
12 September 1969: Zambia: Kafue National Park: AMNH: 1 [1 - **1** - **1**].
30 September 1969: Zambia: Ngoma: AMNH: 1 [1 - **1** - **1**].
8 October 1969: Zambia: Ngoma: AMNH: 1 [1 - **1** - **1**].
30 October 1969: Zambia: Ngoma: AMNH: 1 [1 - **1** - **1**].
3 November 1969: Zambia: Ngoma: AMNH: 1 [1 - **1** - **1**].

11 November 1969: Zambia: Mpemba village: AMNH: 2 [2 - **2** - **2**].
2 December 1969: Zambia: Ngoma: AMNH: 2 [2 - **2** - **2**].
4 December 1969: Zambia: Ngoma: AMNH: 1 [1 - **1** - **1**].
1 January 1970: Zambia: Lochinvar ranch: HZM: 1 [1 - **1** - **1**].
29 April 1971: Zambia: Lonchinvar: HZM: 1 [1 - **1** - **1**].
22 July 1971: Zambia: Chipongwe Cave: HNHM: 1, ROM: 10 [11 - **11** - **11**].
20 April 1972: Zambia: Mongu: HZM: 1 [1 - **1** - **1**].
22 September 1972: Zambia: Chinzombo: SMF: 3 [3 - **3** - **3**].
30 October 1972: Zambia: Chilanga: HZM: 1 [1 - **1** - **1**].
31 October 1972: Zambia: Lusaka: HNHM: 1 [1] - Ngwerere cave: HNHM: 1, HZM: 6, NMZL: 16, SMF: 6 [29 - **30** - **30**].
15 November 1972: Zambia: Chilanga: NMZL: 1 [1 - **1** - **1**].
1 December 1972: Zambia: Chilanga: HNHM: 1 [1] - Samfya: ROM: 1 [1 - **2** - **2**].
6 May 1973: Zambia: Kilwa Island: HNHM: 1 [1] - Sumbu: HNHM: 1 [1 - **2** - **2**].
14 June 1973: Zambia: Mwombezi village: ROM: 1 [1 - **1** - **1**].
14 July 1973: Zambia: Lunga-GR, Nyabikwa Kabompo confluence: HZM: 1 [1 - **1** - **1**].
24 July 1973: Zambia: Sakei Stream, headwaters: MSB: 1 [1 - **1** - **1**].
28 July 1973: Zambia: Jimbe Stream: MSB: 1 [1 - **1** - **1**].
11 October 1973: Zambia: Kalabo: HNHM: 2, MSB: 1, ROM: 9 [12 - **12** - **12**].
2 November 1973: Zambia: Chilanga: HNHM: 1, MSB: 1, ROM: 1 [3 - **3** - **3**].
9 November 1973: Zambia: Choma: MSB: 1, ROM: 1 [2 - **2** - **2**].
29 November 1973: Zambia: Munali: ROM: 1 [1 - **1** - **1**].
29 December 1973: Zambia: Munali: HNHM: 1, ROM: 1 [2 - **2** - **2**].
10 March 1974: Zambia: Lusaka: HZM: 1 [1 - **1** - **1**].
12 March 1974: Zambia: Chilanga: HNHM: 1 [1 - **1** - **1**].
1 August 1974: Zambia: Ngwerere cave: HNHM: 6, MSB: 3, ROM: 2, UWBM: 1 [12 - **12** - **12**].
7 August 1974: Zambia: Mumbwa: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for Ansell, William Frank Harding: 256

Ansell, William Frank Harding; Tree, A.J.

17 August 1963: Zambia: Pwira Pan: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Ansell, William Frank Harding; Tree, A.J.: 2

Ansell, William Frank Harding; Wilson, Vivian J.

5 February 1964: Zambia: Kongwe Hill: BMNH: 4 [4 - **4** - **4**].
6 February 1964: Zambia: Kongwe Hill: BMNH: 3 [3 - **3** - **3**].
4 July 1965: Zambia: Petauke: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Ansell, William Frank Harding; Wilson, Vivian J.: 8

Ansorge, William John
(1850 - 1913)

Collection Date Unknown: Angola: Bungo: BMNH: 1 [1] - Cabiri: MCZ: 1 [1] - Dondo: BMNH: 3 [3] - Duque de Bragança: BMNH: 1 [1] - Malange [= Malanje]: BMNH: 1 [1] - N'Kuta, Loango: ZMB: 1 [1 - **8**].
Congo: Tschiloango [=Tchilounga]: ZMB: 1 [1 - **1**].
Gabon: Nehali: BMNH: 1 [1] - Ogewa: ZMB: 2 [2 - **3**].
Nigeria: Abonnema: BMNH: 3 [3 - **3** - **15**].
4 June 1900: Guinea-Bissau: Gunnal: BMNH: 1 [1 - **1** - **1**].
18 June 1903: Angola: Pungo Andongo [Quibula, Cahata]: BMNH: 1 [1 - **1** - **1**].
10 September 1905: Angola: Huxe: USNM: 1 [1 - **1** - **1**].
11 May 1906: Angola: Bungo: BMNH: 3 [3 - **3** - **3**].
8 July 1908: Angola: Cassoalalla: BMNH: 1 [1 - **1** - **1**].
5 September 1910: Angola: Cabiri: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Ansorge, William John: 23

Anthony, Harold Elmer
(1890 - 1970)

Collection Date Unknown: South Sudan: Mongalla: AMNH: 1 [1 - **1**].
Sudan: Jebelein: AMNH: 35 [35 - **35** - **36**].
17 January 1927: Sudan: Khartoum, 100 mi S of: AMNH: 1 [1 - **1** - **1**].
20 January 1927: Sudan: El Dueim: AMNH: 1 [1 - **1** - **1**].
21 January 1927: Sudan: Kosti: AMNH: 1 [1 - **1** - **1**].
23 January 1927: Sudan: Musran Island: AMNH: 8 [8] - Musran Island, North end: AMNH: 6 [6 - **14** - **14**].
24 January 1927: Sudan: Musran Island, North end: AMNH: 2 [2 - **2** - **2**].
26 January 1927: Sudan: Al Jabalayn: WAM: 1 [1 - **1** - **1**].
8 February 1927: South Sudan: Akona, W. bank: AMNH: 2 [2 - **2** - **2**].
11 February 1927: South Sudan: Akona, E. bank: AMNH: 1 [1] - Akona, W. bank: AMNH: 1 [1 - **2** - **2**].
8 March 1927: South Sudan: Sim Sima: AMNH: 1 [1] - Sim Sima: AMNH: 1 [1 - **2** - **2**].
12 August 1945: Malawi: Kota Kota: AMNH: 1 [1] - Zomba Plateau: AMNH: 1 [1 - **2** - **2**].

1 June 1946: Malawi: Zomba: AMNH: 25 [25 - **25** - **25**].
7 June 1946: Malawi: Zomba Plateau: AMNH: 20 [20 - **20** - **20**].
8 June 1946: Malawi: Zomba Plateau: AMNH: 6 [6 - **6** - **6**].
9 June 1946: Malawi: Zomba Plateau: AMNH: 4 [4 - **4** - **4**].
17 June 1946: Malawi: Blantyre: AMNH: 4 [4 - **4** - **4**].
26 June 1946: Malawi: Likabula: AMNH: 3 [3 - **3** - **3**].
2 July 1946: Malawi: Likabula: AMNH: 4 [4 - **4** - **4**].
8 August 1946: Malawi: Kota Kota: AMNH: 9 [9 - **9** - **9**].
9 August 1946: Malawi: Kota Kota: AMNH: 13 [13 - **13** - **13**].
10 August 1946: Malawi: Kota Kota: AMNH: 4 [4 - **4** - **4**].
11 August 1946: Malawi: Kota Kota: AMNH: 9 [9 - **9** - **9**].
12 August 1946: Malawi: Kota Kota: AMNH: 9 [9 - **9** - **9**].
13 August 1946: Malawi: Kota Kota: AMNH: 9 [9 - **9** - **9**].
14 August 1946: Malawi: Kota Kota: AMNH: 6 [6 - **6** - **6**].
15 August 1946: Malawi: Kota Kota: AMNH: 1 [1 - **1** - **1**].
16 August 1946: Malawi: Kota Kota: AMNH: 2 [2 - **2** - **2**].
17 August 1946: Malawi: Kota Kota: AMNH: 10 [10 - **10** - **10**].
18 August 1946: Malawi: Kota Kota: AMNH: 1 [1 - **1** - **1**].
21 August 1946: Malawi: Kasungu: AMNH: 1 [1 - **1** - **1**].
27 September 1946: Malawi: Cholo, mount: AMNH: 2 [2] - Kota Kota: AMNH: 1 [1 - **3** - **3**].

Total Specimens for Anthony, Harold Elmer: 207

Antinori, Orazio
(23 October 1811: Perugia - 26 August 1882: Lèt Marefià)

30 November 1884: Ethiopia: Let Marafi: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Antinori, Orazio: 1

Antwerp Zoo, The

Collection Date Unknown: Congo (Democratic Republic of the): Uele: RMCA: 1 [1 - **1**].
Rwanda: Astrida: RMCA: 1 [1 - **1** - **2**].
17 October 1950: Congo (Democratic Republic of the): Unknown locality: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Antwerp Zoo, The: 3

Arata, Andrew A.

1 January 1977: South Sudan: Nzara: BMNH: 123 [123 - **123** - **123**].
17 February 1977: South Sudan: Nzara: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Arata, Andrew A.: 124

Archbold, Richard A.; Rand, Austin Loomer; Du Mont, Philip A.; Mission Franco-Anglo-Amér Madagascar

10 June 1930: Madagascar: Bevato: MNHN: 5 [5] - Bevato or Namoroka: ZMA: 1 [1 - **6** - **6**].

Total Specimens for Archbold, Richard A.; Rand, Austin Loomer; Du Mont, Philip A.; Mission Franco-Anglo-Amér Madagascar: 6

Archer,

6 February 1973: Kenya: Takabba, 25 mi [= 40 km] WSW: ROM: 7 [7] - Takabba, 64.7 km WSW: ROM: 1 [1 - **8** - **8**].
10 February 1973: Kenya: Takabba: ROM: 1 [1 - **1** - **1**].

Total Specimens for Archer,: 9

Archer, A.L.

Collection Date Unknown: Botswana: Xugana: USNM: 2 [2 - **2**].
Uganda: Bugoma Forest: LACM: 3 [3] - Impenetrable Forest: LACM: 2 [2] - Katera: LACM: 6 [6] - Malabigambo Forest: LACM: 8 [8] - Mwela: LACM: 5 [5 - **24** - **26**].
11 March 1967: Uganda: Ruhizha area: LACM: 1 [1 - **1** - **1**].
31 March 1967: Uganda: Itama Mine: LACM: 7 [7 - **7** - **7**].
10 July 1967: Uganda: Bundimusuba: LACM: 1 [1 - **1** - **1**].
27 July 1967: Uganda: Ntandi: LACM: 1 [1 - **1** - **1**].
10 December 1967: Uganda: Bugoma Forest: LACM: 3 [3] - Mwela: LACM: 4 [4 - **7** - **7**].
14 February 1968: Tanzania: Minziro: LACM: 4 [4 - **4** - **4**].
24 November 1975: Botswana: Xugana: USNM: 1 [1 - **1** - **1**].
26 November 1975: Botswana: Xugana: USNM: 6 [6 - **6** - **6**].
29 November 1975: Botswana: Xugana: USNM: 3 [3 - **3** - **3**].
30 November 1975: Botswana: Xugana: USNM: 6 [6 - **6** - **6**].
3 December 1975: Botswana: Xugana: USNM: 1 [1 - **1** - **1**].

4 December 1975: Botswana: Xugana: USNM: 5 [5] - Xugana, 13 mi [=17 km] N: USNM: 11 [11 - **16** - **16**].
5 December 1975: Botswana: Xugana: USNM: 1 [1 - **1** - **1**].
7 December 1975: Botswana: Xugana, 13 mi [=17 km] N: USNM: 1 [1 - **1** - **1**].
8 December 1975: Botswana: Xugana: USNM: 1 [1 - **1** - **1**].
9 December 1975: Botswana: Xugana: USNM: 5 [5 - **5** - **5**].
12 December 1975: Botswana: Xugana: USNM: 2 [2 - **2** - **2**].
20 February 1977: South Sudan: Gilo area: FMNH: 3 [3 - **3** - **3**].
21 February 1977: South Sudan: Gilo area: FMNH: 3 [3 - **3** - **3**].
24 February 1977: South Sudan: Gilo area: FMNH: 2 [2 - **2** - **2**].
25 February 1977: South Sudan: Gilo area: FMNH: 3 [3 - **3** - **3**].
26 February 1977: South Sudan: Gilo area: FMNH: 2 [2] - Gilo, 5 mi S: FMNH: 1 [1 - **3** - **3**].
27 February 1977: South Sudan: Gilo area: FMNH: 2 [2] - Gilo, 5 mi S: FMNH: 3 [3 - **5** - **5**].
28 February 1977: South Sudan: Gilo area: FMNH: 5 [5] - Gilo, 5 mi S: FMNH: 1 [1 - **6** - **6**].
3 March 1977: South Sudan: Gilo area: FMNH: 1 [1 - **1** - **1**].
4 March 1977: South Sudan: Talanga forest: FMNH: 1 [1 - **1** - **1**].
7 March 1977: South Sudan: Talanga forest: FMNH: 1 [1 - **1** - **1**].
8 March 1977: South Sudan: Talanga forest: FMNH: 3 [3 - **3** - **3**].
9 March 1977: South Sudan: Talanga forest: FMNH: 2 [2 - **2** - **2**].
10 March 1977: South Sudan: Talanga forest: FMNH: 4 [4 - **4** - **4**].
17 March 1977: South Sudan: Bangangai forest: FMNH: 3 [3 - **3** - **3**].
20 March 1977: South Sudan: Bangangai forest: FMNH: 2 [2 - **2** - **2**].
22 March 1977: South Sudan: Bangangai forest: FMNH: 3 [3 - **3** - **3**].
25 March 1977: South Sudan: Bangangai forest: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Archer, A.L.: 137

Archer, A.L.; Williams, A.E.

16 November 1975: Botswana: Xugana: USNM: 3 [3 - **3** - **3**].
17 November 1975: Botswana: Xugana: USNM: 2 [2 - **2** - **2**].
18 November 1975: Botswana: Xugana: USNM: 1 [1 - **1** - **1**].
19 November 1975: Botswana: Xugana: USNM: 4 [4 - **4** - **4**].
20 November 1975: Botswana: Xugana: USNM: 12 [12 - **12** - **12**].
22 November 1975: Botswana: Xugana: USNM: 5 [5 - **5** - **5**].
23 November 1975: Botswana: Xugana: USNM: 1 [1 - **1** - **1**].
24 November 1975: Botswana: Xugana: USNM: 10 [10 - **10** - **10**].
25 November 1975: Botswana: Xugana: USNM: 3 [3 - **3** - **3**].
26 November 1975: Botswana: Xugana: USNM: 3 [3 - **3** - **3**].
4 December 1975: Botswana: Xugana, 13 mi [=17 km] N: USNM: 9 [9 - **9** - **9**].
7 December 1975: Botswana: Xugana: USNM: 1 [1] - Xugana, 13 mi [=17 km] N: USNM: 8 [8 - **9** - **9**].
9 December 1975: Botswana: Xugana: USNM: 2 [2 - **2** - **2**].

Total Specimens for Archer, A.L.; Williams, A.E.: 64

Archer, T.

Collection Date Unknown: Botswana: Maun: ROM: 1 [1] - Seronga, 72 km ESE: ROM: 1 [1 - **2** - **2**].
1 February 1960: South Sudan: Mongalla: HZM: 1 [1 - **1** - **1**].
31 May 1971: Botswana: Seronga, 116.5 km ESE: ROM: 1 [1] - Seronga, 72 km ESE: ROM: 6 [6 - **7** - **7**].
8 June 1971: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
10 June 1971: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
10 October 1971: Botswana: Khwai Lodge, 8 km W: ROM: 3 [3] - Khwai Lodge, 9 km W: ROM: 1 [1 - **4** - **4**].
15 October 1971: Botswana: Khwai Lodge, 12.9 km W: ROM: 2 [2 - **2** - **2**].
25 October 1971: Botswana: Seronga, 72 km ESE: ROM: 1 [1 - **1** - **1**].
26 October 1971: Botswana: Seronga, 72 km ESE: ROM: 1 [1 - **1** - **1**].
27 October 1971: Botswana: Seronga, 72 km ESE: ROM: 1 [1 - **1** - **1**].
15 November 1971: Botswana: Khwai Lodge, 12.9 km W: ROM: 3 [3 - **3** - **3**].
9 March 1973: South Sudan: Tonj, 103.5 km SE: ROM: 1 [1 - **1** - **1**].
11 March 1973: South Sudan: Amol Tonyi area: ROM: 1 [1 - **1** - **1**].
12 March 1973: South Sudan: 0640N 2841E: ROM: 15 [15] - Tonj, 64 km SE: ROM: 1 [1 - **16** - **16**].
3 March 1974: South Sudan: Tonj: ROM: 1 [1 - **1** - **1**].

Total Specimens for Archer, T.: 43

Archer, T.; Sutton, J.

3 March 1974: South Sudan: Tonj: ROM: 4 [4 - **4** - **4**].
4 March 1974: South Sudan: Tonj: ROM: 2 [2 - **2** - **2**].
9 December 1974: South Sudan: Shambe: ROM: 1 [1 - **1** - **1**].

Total Specimens for Archer, T.; Sutton, J.: 7

Ardouin

Collection Date Unknown: Madagascar: Antsiranana: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Ardouin: 1

Arends, Nicholas P.

Collection Date Unknown: Zimbabwe: Nampini: AMNH: 1 [1 - **1** - **1**].
29 April 1944: South Africa: King William's Town: AMNH: 1 [1 - **1** - **1**].
16 December 1947: South Africa: King Williamstown: AMNH: 1 [1 - **1** - **1**].
6 January 1949: South Africa: King William's Town: AMNH: 1 [1 - **1** - **1**].
1 June 1949: South Africa: Pirie Forest: AMNH: 1 [1 - **1** - **1**].
9 August 1949: Namibia: Nampini: AMNH: 1 [1 - **1** - **1**].
14 October 1949: South Africa: King William's Town: AMNH: 2 [2 - **2** - **2**].
31 October 1949: South Africa: King William's Town: AMNH: 1 [1 - **1** - **1**].
14 November 1949: South Africa: King William's Town: AMNH: 1 [1 - **1** - **1**].
6 November 1953: South Africa: Stokenstrom: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Arends, Nicholas P.: 11

Arlettaz, Raphaël

19 April 1985: Morocco: Aoufouss: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Arlettaz, Raphaël: 1

Armitage

10 September 1916: Ghana: Tamale: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Armitage: 1

Arnold, H.; *et al.*

1 September 1957: South Africa: Skurweberg cave: TM: 1 [1 - **1** - **1**].

Total Specimens for Arnold, H.; *et al.*: 1

Arnold, H.J.

22 September 1941: Botswana: Kanye: TM: 1 [1 - **1** - **1**].
11 October 1957: Botswana: Kanye: TM: 2 [2 - **2** - **2**].

Total Specimens for Arnold, H.J.: 3

Aschemeier, Charles R.

Collection Date Unknown: Ethiopia: Makalle: USNM: 1 [1 - **1**].
Gabon: Omboue: USNM: 15 [15 - **15** - **16**].
19 June 1917: Gabon: Omboue: USNM: 1 [1 - **1** - **1**].
20 June 1917: Gabon: Omboue: USNM: 1 [1 - **1** - **1**].
5 July 1917: Gabon: Omboue: USNM: 1 [1 - **1** - **1**].
6 August 1917: Gabon: Omboue: USNM: 12 [12 - **12** - **12**].
7 August 1917: Gabon: Omboue: USNM: 1 [1 - **1** - **1**].
16 August 1917: Gabon: Omboue: USNM: 1 [1 - **1** - **1**].
10 October 1917: Gabon: Omboue: USNM: 4 [4 - **4** - **4**].
11 October 1917: Gabon: Omboue: USNM: 4 [4 - **4** - **4**].
12 October 1917: Gabon: Omboue: USNM: 10 [10 - **10** - **10**].
25 October 1917: Gabon: Fernan Vaz: USNM: 1 [1 - **1** - **1**].
16 November 1917: Gabon: Rembo Kotou: USNM: 1 [1 - **1** - **1**].
16 December 1917: Gabon: Mperi: USNM: 2 [2 - **2** - **2**].
8 February 1918: Gabon: Ntyonga: USNM: 1 [1 - **1** - **1**].
25 March 1918: Gabon: Ntyonga: USNM: 1 [1 - **1** - **1**].
6 July 1918: Gabon: Anguanamo: USNM: 1 [1 - **1** - **1**].
29 July 1918: Gabon: Anguanamo: USNM: 3 [3 - **3** - **3**].
13 March 1919: Gabon: Cape Lopez: USNM: 89 [89 - **89** - **89**].
26 April 1968: Benin: Kouande: USNM: 2 [2 - **2** - **2**].

Total Specimens for Aschemeier, Charles R.: 152

Ash, John S.

Collection Date Unknown: Ethiopia: Unknown locality: USNM: 2 [2] - Abiata, Lake, E coast: USNM: 6 [6] - Aselle [= Aseita]: USNM: 8 [8] - Bahadu: USNM: 21 [21] - Bulcha Forest: USNM: 9 [9] - Didessa settlement: USNM: 1 [1] - Koka: USNM: 19 [19 - **66** - **66**].
25 July 1963: Kenya: Athi river: USNM: 3 [3 - **3** - **3**].
17 August 1963: Kenya: Athi river: USNM: 2 [2 - **2** - **2**].

12 June 1970: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
20 August 1970: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
21 August 1970: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
1 May 1971: Ethiopia: Bahadu: USNM: 3 [3 - **3** - **3**].
1 June 1971: Ethiopia: Bulcha Forest: BMNH: 4 [4 - **4** - **4**].
4 June 1971: Ethiopia: Bulcha Forest: BMNH: 1 [1 - **1** - **1**].
2 July 1971: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
25 July 1971: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
2 August 1971: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
23 October 1971: Ethiopia: Abiata, lake: USNM: 1 [1 - **1** - **1**].
31 October 1971: Ethiopia: Abiata, lake: USNM: 1 [1 - **1** - **1**].
21 November 1971: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
24 November 1971: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
26 November 1971: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
27 November 1971: Ethiopia: Bahadu: USNM: 5 [5 - **5** - **5**].
30 November 1971: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
18 December 1971: Ethiopia: Koka: USNM: 2 [2 - **2** - **2**].
20 December 1971: Ethiopia: Koka: USNM: 2 [2 - **2** - **2**].
21 December 1971: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
22 December 1971: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
27 January 1972: Ethiopia: Didessa settlement: USNM: 1 [1 - **1** - **1**].
28 January 1972: Ethiopia: Didessa settlement: USNM: 9 [9 - **9** - **9**].
29 January 1972: Ethiopia: Didessa settlement: USNM: 1 [1 - **1** - **1**].
9 February 1972: Ethiopia: Didessa settlement: USNM: 3 [3 - **3** - **3**].
26 February 1972: Ethiopia: Koka: USNM: 2 [2 - **2** - **2**].
27 February 1972: Ethiopia: Bulcha Forest: USNM: 2 [2 - **2** - **2**].
3 March 1972: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
4 March 1972: Ethiopia: Bulcha Forest: USNM: 2 [2 - **2** - **2**].
5 March 1972: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
6 March 1972: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
7 March 1972: Ethiopia: Bulcha Forest: USNM: 2 [2 - **2** - **2**].
8 March 1972: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
26 March 1972: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
28 March 1972: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
4 April 1972: Ethiopia: Gambela: CM: 1 [1 - **1** - **1**].
7 April 1972: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
20 April 1972: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
22 April 1972: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
24 April 1972: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
26 April 1972: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
30 April 1972: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
2 May 1972: Ethiopia: Bahadu: USNM: 4 [4 - **4** - **4**].
3 July 1972: Ethiopia: Bulcha Forest: USNM: 4 [4 - **4** - **4**].
5 July 1972: Ethiopia: Bulcha Forest: CM: 1, USNM: 2 [3 - **3** - **3**].
7 July 1972: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
9 July 1972: Ethiopia: Bulcha Forest: CM: 1, USNM: 1 [2 - **2** - **2**].
10 July 1972: Ethiopia: Bulcha Forest: USNM: 2 [2 - **2** - **2**].
11 July 1972: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
23 July 1972: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
24 July 1972: Ethiopia: Gambela: USNM: 2 [2 - **2** - **2**].
26 July 1972: Ethiopia: Gambela: USNM: 3 [3 - **3** - **3**].
27 July 1972: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
25 October 1972: Ethiopia: Filwoha Awash: USNM: 1 [1 - **1** - **1**].
10 November 1972: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
14 November 1972: Ethiopia: Bulcha Forest: USNM: 2 [2 - **2** - **2**].
16 November 1972: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
18 November 1972: Ethiopia: Bulcha Forest: CM: 1 [1 - **1** - **1**].
22 November 1972: Ethiopia: Bulcha Forest: CM: 1 [1 - **1** - **1**].
4 December 1972: Ethiopia: Gambela: USNM: 3 [3 - **3** - **3**].
7 December 1972: Ethiopia: Gambela: USNM: 3 [3 - **3** - **3**].
12 December 1972: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
13 December 1972: Ethiopia: Gambela: USNM: 2 [2 - **2** - **2**].
20 January 1973: Ethiopia: Didessa settlement: CM: 1, USNM: 4 [5 - **5** - **5**].
22 January 1973: Ethiopia: Didessa settlement: USNM: 1 [1 - **1** - **1**].
25 January 1973: Ethiopia: Didessa settlement: USNM: 1 [1 - **1** - **1**].
29 January 1973: Ethiopia: Didessa settlement: USNM: 1 [1 - **1** - **1**].
1 March 1973: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
6 March 1973: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
17 March 1973: Ethiopia: Bulcha Forest: USNM: 3 [3 - **3** - **3**].
18 March 1973: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
23 March 1973: Ethiopia: Bulcha Forest: USNM: 2 [2 - **2** - **2**].
26 March 1973: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
27 March 1973: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
17 April 1973: Ethiopia: Dolo: USNM: 1 [1 - **1** - **1**].
11 May 1973: Ethiopia: Abiata, lake: USNM: 2 [2 - **2** - **2**].
12 May 1973: Ethiopia: Abiata, lake: USNM: 2 [2 - **2** - **2**].

13 May 1973: Ethiopia: Abiata, lake: USNM: 2 [2 - **2** - **2**].
14 May 1973: Ethiopia: Abiata, lake: USNM: 1 [1 - **1** - **1**].
15 May 1973: Ethiopia: Abiata, lake: USNM: 2 [2 - **2** - **2**].
18 May 1973: Ethiopia: Abiata, lake: USNM: 1 [1 - **1** - **1**].
22 May 1973: Ethiopia: Abiata, lake: USNM: 2 [2 - **2** - **2**].
23 May 1973: Ethiopia: Abiata, lake: USNM: 2 [2 - **2** - **2**].
24 May 1973: Ethiopia: Abiata, lake: USNM: 1 [1 - **1** - **1**].
16 June 1973: Ethiopia: Bahadu: USNM: 2 [2 - **2** - **2**].
18 June 1973: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
24 June 1973: Ethiopia: Bahadu: USNM: 1 [1 - **1** - **1**].
6 October 1973: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
7 October 1973: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
9 October 1973: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
11 October 1973: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
15 October 1973: Ethiopia: Koka: USNM: 1 [1 - **1** - **1**].
16 October 1973: Ethiopia: Koka: USNM: 4 [4 - **4** - **4**].
2 November 1973: Ethiopia: Aselle [= Aseita]: USNM: 1 [1 - **1** - **1**].
3 November 1973: Ethiopia: Aselle [= Aseita]: USNM: 5 [5 - **5** - **5**].
4 November 1973: Ethiopia: Aselle [= Aseita]: USNM: 1 [1 - **1** - **1**].
6 November 1973: Ethiopia: Aselle [= Aseita]: USNM: 3 [3 - **3** - **3**].
9 November 1973: Ethiopia: Aselle [= Aseita]: USNM: 1 [1 - **1** - **1**].
10 November 1973: Ethiopia: Aselle [= Aseita]: USNM: 5 [5 - **5** - **5**].
11 November 1973: Ethiopia: Aselle [= Aseita]: USNM: 2 [2 - **2** - **2**].
13 November 1973: Ethiopia: Aselle [= Aseita]: USNM: 1 [1 - **1** - **1**].
3 December 1973: Ethiopia: Gambela: USNM: 2 [2 - **2** - **2**].
4 December 1973: Ethiopia: Gambela: USNM: 5 [5 - **5** - **5**].
5 December 1973: Ethiopia: Gambela: USNM: 4 [4 - **4** - **4**].
6 December 1973: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
7 December 1973: Ethiopia: Gambela: USNM: 3 [3 - **3** - **3**].
9 December 1973: Ethiopia: Gambela: USNM: 2 [2 - **2** - **2**].
10 December 1973: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
11 December 1973: Ethiopia: Gambela: USNM: 4 [4 - **4** - **4**].
13 December 1973: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
14 December 1973: Ethiopia: Gambela: USNM: 3 [3 - **3** - **3**].
20 January 1974: Ethiopia: Bulcha Forest: USNM: 2 [2 - **2** - **2**].
22 January 1974: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
26 January 1974: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
29 January 1974: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
30 January 1974: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
17 February 1974: Ethiopia: Didessa settlement: USNM: 1 [1 - **1** - **1**].
20 February 1974: Ethiopia: Didessa settlement: USNM: 3 [3 - **3** - **3**].
21 February 1974: Ethiopia: Didessa settlement: USNM: 1 [1 - **1** - **1**].
22 February 1974: Ethiopia: Didessa settlement: USNM: 2 [2 - **2** - **2**].
24 February 1974: Ethiopia: Didessa settlement: USNM: 1 [1 - **1** - **1**].
26 February 1974: Ethiopia: Didessa settlement: USNM: 1 [1 - **1** - **1**].
17 March 1974: Ethiopia: Aselle [= Aseita]: USNM: 1 [1 - **1** - **1**].
18 March 1974: Ethiopia: Aselle [= Aseita]: USNM: 1 [1 - **1** - **1**].
21 March 1974: Ethiopia: Aselle [= Aseita]: USNM: 3 [3 - **3** - **3**].
24 March 1974: Ethiopia: Aselle [= Aseita]: USNM: 1 [1 - **1** - **1**].
13 April 1974: Ethiopia: Negelli, 74 km E: USNM: 2 [2 - **2** - **2**].
26 April 1974: Ethiopia: Sauena: USNM: 1 [1 - **1** - **1**].
14 May 1974: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
15 May 1974: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
19 May 1974: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
21 May 1974: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
24 May 1974: Ethiopia: Gambela: USNM: 1 [1 - **1** - **1**].
21 June 1974: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
22 June 1974: Ethiopia: Bulcha Forest: USNM: 3 [3 - **3** - **3**].
25 June 1974: Ethiopia: Bulcha Forest: USNM: 1 [1 - **1** - **1**].
11 March 1975: Ethiopia: Kelam: USNM: 3 [3 - **3** - **3**].
12 March 1975: Ethiopia: Kelam: USNM: 3 [3 - **3** - **3**].
15 July 1975: Ethiopia: Didessa settlement: USNM: 1 [1 - **1** - **1**].
17 September 1975: Ethiopia: Koka: SMF: 1 [1 - **1** - **1**].
20 September 1975: Ethiopia: Koka: SMF: 1 [1 - **1** - **1**].
1 February 1976: Ethiopia: Bulcha Forest: SMF: 1 [1 - **1** - **1**].
12 March 1976: Ethiopia: Abol: USNM: 1 [1 - **1** - **1**].
16 July 1976: Ethiopia: Bokonkorio: SMF: 3 [3 - **3** - **3**].
17 September 1976: Kenya: Malindi: USNM: 1 [1 - **1** - **1**].
1 January 1977: Ethiopia: Unknown locality: SMF: 1 [1 - **1** - **1**].
12 October 1978: Somalia: Gelib: USNM: 1 [1 - **1** - **1**].
5 November 1978: Somalia: Mallable: USNM: 3 [3 - **3** - **3**].
6 November 1978: Somalia: Mallable: USNM: 1 [1 - **1** - **1**].

Total Specimens for Ash, John S.: 324

Ashe, James

25 July 1963: Kenya: Athi river: ROM: 3 [3] - Lake Naivasha: ROM: 1 [1 - **4** - **4**].
17 August 1963: Kenya: Athi river: ROM: 1 [1 - **1** - **1**].
24 August 1963: Kenya: Athi River Station: ROM: 1 [1 - **1** - **1**].

Total Specimens for Ashe, James: 6

Ashford, R.

1 March 1971: Ethiopia: Unknown locality: SMF: 1 [1] - Sof Omar cave: SMF: 1 [1 - **2** - **2**].
3 March 1973: Ethiopia: Lake Langano: SMF: 1 [1 - **1** - **1**].

Total Specimens for Ashford, R.: 3

Ashley Maberly

2 November 1945: South Africa: Farm Duiwelskloof 376 [=Mokeetsi]: TM: 1 [1 - **1** - **1**].

Total Specimens for Ashley Maberly: 1

Astrup, M.

1 April 1986: South Africa: Masinda Camp: TM: 1 [1 - **1** - **1**].

Total Specimens for Astrup, M.: 1

ATBP Mammal Team

12 June 1998: Uganda: Nyabyeya Forestry College: MCZ: 2 [2 - **2** - **2**].
13 June 1998: Uganda: Nyabyeya Forestry College: MCZ: 1 [1] - Nyafungo Nature Reserve: MCZ: 2 [2 - **3** - **3**].
15 June 1998: Uganda: Nyafungo Nature Reserve: MCZ: 1 [1 - **1** - **1**].
16 June 1998: Uganda: Nyafungo Nature Reserve: MCZ: 1 [1 - **1** - **1**].
17 June 1998: Uganda: Budongo Forest Royal mile area: MCZ: 1 [1 - **1** - **1**].
18 June 1998: Uganda: Budongo Forest Royal mile area: MCZ: 1 [1 - **1** - **1**].

Total Specimens for ATBP Mammal Team: 9

Aubert de la Rue, Edgar

1 October 1930: Madagascar: Andriafavelo: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Aubert de la Rue, Edgar: 2

Audebert, Jean Baptiste
(1759: Rochefort - 1800: Paris)

Collection Date Unknown: Madagascar: Unknown locality: RMNH: 2 [2] - Mananaro: ZMB: 1 [1 - **3** - **3**].

Total Specimens for Audebert, Jean Baptiste: 3

Aureliaan

12 August 1949: Rwanda: Gakoma: RMCA: 1 [1 - **1** - **1**].
3 May 1950: Rwanda: Astrida: RMCA: 2 [2 - **2** - **2**].
26 December 1950: Rwanda: Astrida: RMCA: 1 [1 - **1** - **1**].
1 January 1951: Rwanda: Astrida: RMCA: 1 [1 - **1** - **1**].
10 January 1951: Rwanda: Astrida: RMCA: 1 [1 - **1** - **1**].
20 January 1951: Rwanda: Astrida: RMCA: 1 [1 - **1** - **1**].
1 July 1951: Rwanda: Astrida: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Aureliaan: 8

Ausoy?, K.J

6 August 1905: Angola: Catumbella [= Benguella]: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Ausoy?, K.J: 1

Avery, L.; Bragg, E.

18 February 1974: Sierra Leone: Freetown: USNM: 1 [1 - **1** - **1**].

Total Specimens for Avery, L.; Bragg, E.: 1

Awachie, J.B.E.

Collection Date Unknown: Nigeria: Ogbunike: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Awachie, J.B.E.: 1

Awernizew

Collection Date Unknown: Tanzania: Amani: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Awernizew: 1

Baagøe, Hans J.

Collection Date Unknown: Kenya: Taita: BMNH: 1 [1 - **1**].
Tanzania: Mazumba Estate: ZMUC: 11 [11 - **11** - **12**].
4 August 1974: Tanzania: Muheza: ZMUC: 16 [16 - **16** - **16**].

Total Specimens for Baagøe, Hans J.: 28

Babault, Guy

Collection Date Unknown: "Africa": Unknown locality: MNHN: 5 [5 - **5**].
Congo (Democratic Republic of the): Kadjidji: MNHN: 15 [15] - Kadjudju: RMCA: 9 [9] - Kivu: MNHN: 1 [1] - Kivu mountains: MNHN: 2 [2] - Kivu region: MNHN: 18 [18] - Kivu, near: MNHN: 12 [12] - Léopoldville: MNHN: 1 [1] - Nasosurro River: MNHN: 1 [1 - **59** - **64**].
1 January 1931: Tunisia: Metlaoui and Redeyef, between: MNHN: 1 [1] - Redeyef: MNHN: 1 [1 - **2** - **2**].
1 January 1934: Congo (Democratic Republic of the): Kivu region: MCZ: 6 [6] - Lake Kivu, near: MCZ: 2 [2 - **8** - **8**].
1 January 1935: Congo (Democratic Republic of the): Kampala: MCZ: 1 [1] - Lake Kivu, near: MCZ: 4 [4 - **5** - **5**].

Total Specimens for Babault, Guy: 79

Babiker Salata, Hassan Aburaida

23 May 2013: South Sudan: Andari Payam, Bangangai Game Reserve, location 7: USNM: 4 [4 - **4** - **4**].
31 May 2013: South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: USNM: 6 [6 - **6** - **6**].
1 June 2013: South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: USNM: 6 [6 - **6** - **6**].
2 June 2013: South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: USNM: 13 [13 - **13** - **13**].

Total Specimens for Babiker Salata, Hassan Aburaida: 29

Babilon

Collection Date Unknown: Congo (Democratic Republic of the): Lisala: RMCA: 2 [2 - **2** - **2**].
1 May 1950: Congo (Democratic Republic of the): Costermansville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Babilon: 3

Bachmann

Collection Date Unknown: South Africa: Lydenburg: ZMB: 3 [3] - Pondoland: ZMB: 1 [1 - **4** - **4**].

Total Specimens for Bachmann: 4

Back, H.E.

Collection Date Unknown: Algeria: Tit: ZFMK: 1 [1 - **1** - **1**].
12 October 1980: Egypt: Ras Abu el Darag: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Back, H.E.: 2

Baddeley, M. St. C.

17 March 1955: South Africa: Durban: ROM: 1 [1 - **1** - **1**].
12 April 1959: South Africa: Underberg, Trout hatchery: ROM: 1 [1 - **1** - **1**].
4 September 1959: South Africa: Ndumo Game Reserve: ROM: 1 [1 - **1** - **1**].
19 January 1961: South Africa: Ndumo Game Reserve: ROM: 1 [1 - **1** - **1**].
20 January 1961: South Africa: Mkuzi Game Reserve: ROM: 1 [1 - **1** - **1**].
7 September 1961: South Africa: Mkuzi Game Reserve: ROM: 2 [2 - **2** - **2**].
30 November 1961: South Africa: Makatini Flats: ROM: 1 [1 - **1** - **1**].

4 February 1962: South Africa: Mkuzi Game Reserve: ROM: 1 [1 - **1** - **1**].
6 March 1962: South Africa: Mkuzi Game Reserve: ROM: 1 [1 - **1** - **1**].
15 March 1962: South Africa: Mkuzi Game Reserve: ROM: 2 [2 - **2** - **2**].
8 August 1962: South Africa: Mkuzi Game Reserve: ROM: 1 [1 - **1** - **1**].
13 December 1962: South Africa: Mkuzi Game Reserve: ROM: 2 [2 - **2** - **2**].
21 June 1963: South Africa: Ndumo Game Reserve: ROM: 1 [1 - **1** - **1**].
28 July 1963: South Africa: Ndumo Game Reserve: ROM: 1 [1 - **1** - **1**].
28 November 1963: South Africa: Mkuzi Game Reserve: ROM: 1 [1 - **1** - **1**].
31 December 1963: South Africa: Ndumo Game Reserve: ROM: 1 [1 - **1** - **1**].
1 January 1964: South Africa: Ndumo Game Reserve: ROM: 3 [3 - **3** - **3**].
4 January 1964: South Africa: Ndumo Game Reserve: ROM: 1 [1 - **1** - **1**].
5 January 1964: South Africa: Ndumo Game Reserve: ROM: 2 [2 - **2** - **2**].
13 January 1964: South Africa: Ndumo Game Reserve: ROM: 1 [1 - **1** - **1**].
24 January 1964: South Africa: Ndumo Game Reserve: ROM: 3 [3 - **3** - **3**].
25 January 1964: South Africa: Ndumo Game Reserve: ROM: 1 [1 - **1** - **1**].
14 May 1964: South Africa: Ndumo Game Reserve: ROM: 1 [1 - **1** - **1**].
10 October 1964: Mozambique: Naa Macha: ROM: 1 [1 - **1** - **1**].
2 August 1965: Mozambique: Beira: ROM: 1 [1 - **1** - **1**].
22 March 1966: South Africa: Newington: ROM: 7 [7 - **7** - **7**].
25 March 1966: South Africa: Newington: ROM: 1 [1 - **1** - **1**].
13 May 1966: South Africa: Newington: ROM: 2 [2 - **2** - **2**].
10 December 1967: South Africa: Krugersdorp: ROM: 6 [6 - **6** - **6**].
3 May 1968: Zimbabwe: Salisbury: ROM: 2 [2 - **2** - **2**].
14 July 1968: Mozambique: Dondo Forest: ROM: 3 [3 - **3** - **3**].
15 July 1968: Mozambique: Dondo Forest: ROM: 1 [1 - **1** - **1**].
16 July 1968: Mozambique: Dondo Forest: ROM: 2 [2 - **2** - **2**].
23 July 1968: Mozambique: Vila Machado: ROM: 3 [3] - Vila Mahado: ROM: 1 [1 - **4** - **4**].
3 August 1968: Mozambique: Beira: ROM: 4 [4 - **4** - **4**].
5 August 1968: Mozambique: Beira: ROM: 2 [2 - **2** - **2**].
6 August 1968: Mozambique: Beira: ROM: 2 [2 - **2** - **2**].
9 August 1968: Mozambique: Beira: ROM: 1 [1 - **1** - **1**].
10 August 1968: Mozambique: Beira: ROM: 1 [1 - **1** - **1**].
6 September 1968: Mozambique: Lagoa De Ura: ROM: 2 [2 - **2** - **2**].
7 September 1968: Mozambique: Lagoa De Ura: ROM: 1 [1 - **1** - **1**].
8 September 1968: Mozambique: Lagoa De Ura: ROM: 1 [1 - **1** - **1**].
7 April 1969: Swaziland: Hlatikulu: ROM: 5 [5 - **5** - **5**].
1 August 1969: Mozambique: Beira: ROM: 1 [1 - **1** - **1**].

Total Specimens for Baddeley, M. St. C.: 81

Badenhorst,M.

1 October 1952: South Africa: Colesburg: TM: 1 [1 - **1** - **1**].

Total Specimens for Badenhorst,M.: 1

Baer, Jean Georges

19 December 1958: Congo (Democratic Republic of the): Mabali: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Baer, Jean Georges: 1

Baeten, Benny

Collection Date Unknown: Rwanda: Butare: RMCA: 11 [11] - Kidaho: RMCA: 18 [18 - **29** - **29**].
24 May 1982: Rwanda: Ntango: RMCA: 15 [15 - **15** - **15**].
25 May 1982: Rwanda: Ntango: RMCA: 20 [20 - **20** - **20**].
26 May 1982: Rwanda: Ntango: RMCA: 27 [27 - **27** - **27**].
1 June 1982: Rwanda: Kinigi: RMCA: 1 [1 - **1** - **1**].
4 June 1982: Rwanda: Kanyamiketo: RMCA: 1 [1 - **1** - **1**].
6 June 1982: Rwanda: Kidaho: RMCA: 12 [12 - **12** - **12**].
7 June 1982: Rwanda: Kidaho: RMCA: 46 [46 - **46** - **46**].
8 June 1982: Rwanda: Kidaho: RMCA: 31 [31 - **31** - **31**].
9 June 1982: Rwanda: Kidaho: RMCA: 77 [77 - **77** - **77**].
10 June 1982: Rwanda: Kidaho: RMCA: 61 [61 - **61** - **61**].
11 June 1982: Rwanda: Kidaho: RMCA: 73 [73 - **73** - **73**].
12 June 1982: Rwanda: Kidaho: RMCA: 12 [12 - **12** - **12**].
13 June 1982: Rwanda: Kidaho: RMCA: 7 [7 - **7** - **7**].
14 June 1982: Rwanda: Kidaho: RMCA: 1 [1 - **1** - **1**].
15 June 1982: Rwanda: Kidaho: RMCA: 7 [7 - **7** - **7**].
16 June 1982: Rwanda: Kidaho: RMCA: 20 [20] - Musanze: RMCA: 32 [32 - **52** - **52**].
17 June 1982: Rwanda: Kidaho: RMCA: 5 [5] - Musanze: RMCA: 21 [21 - **26** - **26**].
18 June 1982: Rwanda: Kidaho: RMCA: 3 [3] - Muhabura: RMCA: 1 [1 - **4** - **4**].
19 June 1982: Rwanda: Kidaho: RMCA: 2 [2 - **2** - **2**].
1 July 1982: Rwanda: Kigali: RMCA: 1 [1 - **1** - **1**].

10 July 1982: Rwanda: Kayove: RMCA: 3 [3 - **3** - **3**].
11 July 1982: Rwanda: Kayove: RMCA: 1 [1 - **1** - **1**].
14 July 1982: Rwanda: Routabansougera: RMCA: 2 [2 - **2** - **2**].
15 July 1982: Rwanda: Routabansougera: RMCA: 4 [4 - **4** - **4**].
17 July 1982: Rwanda: Routabansougera: RMCA: 5 [5 - **5** - **5**].

Total Specimens for Baeten, Benny: 520

Baeten, Benny; Janssens, Luc

Collection Date Unknown: Rwanda: Cyili: RMCA: 1 [1] - Gafunzo: RMCA: 13 [13] - Mutura: RMCA: 2 [2] - Shyanda: RMCA: 3 [3 - **19** - **19**].
10 December 1984: Rwanda: Butare: RMCA: 7 [7 - **7** - **7**].
11 December 1984: Rwanda: Butare: RMCA: 3 [3 - **3** - **3**].
13 December 1984: Rwanda: Butare: RMCA: 1 [1 - **1** - **1**].
14 December 1984: Rwanda: Mutura: RMCA: 6 [6 - **6** - **6**].
15 December 1984: Rwanda: Mutura: RMCA: 46 [46 - **46** - **46**].
16 December 1984: Rwanda: Mutura: RMCA: 30 [30 - **30** - **30**].
18 December 1984: Rwanda: Mutura: RMCA: 19 [19] - Nyambumba: RMCA: 1 [1] - Shangi: RMCA: 1 [1 - **21** - **21**].
20 December 1984: Rwanda: Butare: RMCA: 9 [9 - **9** - **9**].
21 December 1984: Rwanda: Butare: RMCA: 6 [6 - **6** - **6**].
22 December 1984: Rwanda: Butare: RMCA: 9 [9 - **9** - **9**].
23 December 1984: Rwanda: Butare: RMCA: 9 [9] - Cyili: RMCA: 3 [3 - **12** - **12**].
24 December 1984: Rwanda: Butare: RMCA: 6 [6] - Cyili: RMCA: 53 [53 - **59** - **59**].
25 December 1984: Rwanda: Butare: RMCA: 7 [7 - **7** - **7**].
31 December 1984: Rwanda: Butare: RMCA: 20 [20 - **20** - **20**].
1 January 1985: Rwanda: Butare: RMCA: 64 [64 - **64** - **64**].
2 January 1985: Rwanda: Butare: RMCA: 11 [11] - Cyili: RMCA: 16 [16] - Rubona: RMCA: 1 [1 - **28** - **28**].
5 January 1985: Rwanda: Gafunzo Kigaga: RMCA: 1 [1] - Shangi: RMCA: 34 [34] - Shangi Schad: RMCA: 4 [4 - **39** - **39**].
6 January 1985: Rwanda: Gafunzo Kigaga: RMCA: 1 [1] - Shangi: RMCA: 24 [24 - **25** - **25**].
7 January 1985: Rwanda: Rubona: RMCA: 46 [46 - **46** - **46**].
12 January 1985: Rwanda: Gafumba: RMCA: 16 [16] - Mutura: RMCA: 17 [17 - **33** - **33**].
13 January 1985: Rwanda: Mutura: RMCA: 19 [19 - **19** - **19**].
14 January 1985: Rwanda: Butare: RMCA: 17 [17 - **17** - **17**].
15 January 1985: Rwanda: Butare: RMCA: 13 [13 - **13** - **13**].

Total Specimens for Baeten, Benny; Janssens, Luc: 539

Baettcher, J.W.

17 July 1966: Kenya: Kilifi, 2 mi W: WNMU: 1 [1 - **1** - **1**].
21 July 1966: Kenya: Sokoke Forest: WNMU: 1 [1 - **1** - **1**].

Total Specimens for Baettcher, J.W.: 2

Bailey, Alfred Marshall
(18 February 1894: Iowa City - 25 February 1978)

11 October 1926: Ethiopia: Addis Abeba: FMNH: 1 [1 - **1** - **1**].
25 October 1926: Ethiopia: Sandford's Ranch: FMNH: 6 [6 - **6** - **6**].
5 March 1927: Ethiopia: Wahina: FMNH: 1 [1 - **1** - **1**].
5 April 1927: Ethiopia: Gondar, 15 mi NE: FMNH: 7 [7 - **7** - **7**].

Total Specimens for Bailey, Alfred Marshall: 15

Baker

12 October 1981: Tanzania: Kurasini area: SMF: 2 [2 - **2** - **2**].

Total Specimens for Baker: 2

Baker, Niel

11 April 1982: Tanzania: Lugoda Tea Estate: SMF: 3 [3 - **3** - **3**].

Total Specimens for Baker, Niel: 3

Baker, Rollin Harold
(11 November 1916: Cordova - 12 November 2007)

10 February 1973: Namibia: Gorrasis: MSU: 4 [4 - **4** - **4**].
11 February 1973: Namibia: Gorrasis: MSU: 1 [1 - **1** - **1**].
12 February 1973: Namibia: Gorrasis: MSU: 1 [1 - **1** - **1**].

Total Specimens for Baker, Rollin Harold: 6

Bakwo Fils, Eric Moise

12 January 2011: Cameroon: Hardé 2: LZUM: 1 [1 - **1** - **1**].
14 January 2011: Cameroon: Makabay: LZUM: 1 [1] - Mizao: LZUM: 1 [1] - Pont Rouge: LZUM: 1 [1 - **3** - **3**].
18 January 2011: Cameroon: Hardé 2: LZUM: 1 [1] - Pont Rouge: LZUM: 1 [1 - **2** - **2**].
19 January 2011: Cameroon: Pont Vert: LZUM: 1 [1 - **1** - **1**].
19 February 2011: Cameroon: Mizao: LZUM: 1 [1 - **1** - **1**].
20 February 2011: Cameroon: Mizao: LZUM: 1 [1] - Pont Rouge: LZUM: 2 [2 - **3** - **3**].
3 March 2011: Cameroon: Hardé 2: LZUM: 1 [1 - **1** - **1**].
7 December 2012: Cameroon: Leplikoung: GV: 2 [2 - **2** - **2**].

Total Specimens for Bakwo Fils, Eric Moise: 14

Bakwo Fils, Eric Moise; Bol A Anong, Alima

13 April 2011: Cameroon: Extreme-Nord province: LZUM: 1 [1 - **1** - **1**].

Total Specimens for Bakwo Fils, Eric Moise; Bol A Anong, Alima: 1

Balla

14 September 1965: Cameroon: Melen: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Balla: 1

Ballay

Collection Date Unknown: Congo: Unknown locality: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Ballay: 1

Balme, F.N.

Collection Date Unknown: Namibia: Ngweze: KM: 1 [1 - **1** - **1**].

Total Specimens for Balme, F.N.: 1

Bampton, I.

Collection Date Unknown: Tanzania: Tanga: USNM: 3 [3 - **3**].
Uganda: Budongo Forest: LACM: 17 [17 - **17** - **20**].
20 June 1963: Tanzania: Tanga: ROM: 4 [4 - **4** - **4**].
28 June 1963: Tanzania: Tanga: ROM: 2 [2 - **2** - **2**].
12 July 1963: Tanzania: Tanga: ROM: 38, USNM: 2 [40 - **40** - **40**].
17 July 1963: Tanzania: Tanga: USNM: 2 [2 - **2** - **2**].
18 July 1963: Tanzania: Tanga: ROM: 9, USNM: 4 [13 - **13** - **13**].
21 July 1963: Tanzania: Tanga: ROM: 9, USNM: 1 [10 - **10** - **10**].
22 July 1963: Tanzania: Tanga: ROM: 2 [2 - **2** - **2**].
27 July 1963: Tanzania: Tanga: ROM: 1 [1 - **1** - **1**].
28 July 1963: Tanzania: Tanga: ROM: 13, USNM: 4 [17 - **17** - **17**].
31 July 1963: Tanzania: Tanga: USNM: 1 [1 - **1** - **1**].
4 August 1963: Tanzania: Tanga: ROM: 3 [3 - **3** - **3**].
7 August 1963: Tanzania: Tanga: ROM: 16, USNM: 9 [25 - **25** - **25**].
28 August 1963: Tanzania: Tanga: USNM: 1 [1 - **1** - **1**].
1 September 1963: Tanzania: Tanga: ROM: 1 [1 - **1** - **1**].
12 April 1964: Tanzania: Tanga: ROM: 2 [2 - **2** - **2**].
14 April 1964: Tanzania: Tanga: ROM: 2 [2 - **2** - **2**].
18 April 1964: Tanzania: Tanga: ROM: 1 [1 - **1** - **1**].
20 April 1964: Tanzania: Tanga: ROM: 3 [3 - **3** - **3**].
9 May 1970: Uganda: Budongo Forest: LACM: 1 [1 - **1** - **1**].
17 May 1970: Uganda: Budongo Forest: LACM: 1 [1 - **1** - **1**].

Total Specimens for Bampton, I.: 152

Bankovics, A.

Collection Date Unknown: Kenya: Masai Mara-NP: HNHM: 1 [1 - **1** - **1**].
19 January 2001: Ghana: Bia: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Bankovics, A.: 2

Barbe C

5 April 2004: South Africa: Lebanon Sappi plantation: TM: 1 [1 - **1** - **1**].

Total Specimens for Barbe C: 1

Barker, Robert H.

1 October 1975: Egypt: Bahig: YPM: 1 [1 - **1** - **1**].

Total Specimens for Barker, Robert H.: 1

Barkhouse, P.

2 May 1970: Tanzania: Mpapua [=Mpwapwa]: ROM: 1 [1 - **1** - **1**].
3 May 1970: Tanzania: Mpapua [=Mpwapwa]: ROM: 1 [1 - **1** - **1**].
15 March 1971: Tanzania: Central Mpwapwa: ROM: 1 [1 - **1** - **1**].

Total Specimens for Barkhouse, P.: 3

Barley, Alen H.

7 January 1965: Kenya: Menengai: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Barley, Alen H.: 1

Barlow

29 May 1937: Namibia: Oshikanga: TM: 1 [1 - **1** - **1**].
9 July 1937: Namibia: Liebig's Ranch: TM: 3 [3 - **3** - **3**].

Total Specimens for Barlow: 4

Barlow TM-Expedition, the

29 May 1937: Namibia: Oshikanga: TM: 4 [4 - **4** - **4**].
15 August 1937: South Africa: Farm Goodhouse 23: TM: 1 [1 - **1** - **1**].
31 August 1937: South Africa: Van Wyksvlei: TM: 6 [6 - **6** - **6**].

Total Specimens for Barlow TM-Expedition, the: 11

Barlow TM-Expedition, The; Roberts, Austin

14 September 1941: Namibia: Ombu: TM: 2 [2 - **2** - **2**].
17 September 1941: Namibia: Ombu: TM: 2 [2 - **2** - **2**].
18 September 1941: Namibia: Ombu: TM: 4 [4 - **4** - **4**].
19 September 1941: Namibia: Ombu: TM: 3 [3 - **3** - **3**].

Total Specimens for Barlow TM-Expedition, The; Roberts, Austin: 11

Barlow, C.

20 June 2001: South Africa: Balule Private Nature Reserve, Oliphants River: TM: 1 [1 - **1** - **1**].

Total Specimens for Barlow, C.: 1

Barrington, F.M.; Pine, R.H.

21 June 1960: Kenya: Masabubu: CM: 1 [1 - **1** - **1**].

Total Specimens for Barrington, F.M.; Pine, R.H.: 1

Barrow, J.

Collection Date Unknown: Comoros: Anjouan Island: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Barrow, J.: 1

Barry, D.H.

Collection Date Unknown: Ghana: Kumasi: BMNH: 10 [10] - Pong-Tamale: BMNH: 1 [1] - Takoradi: BMNH: 1 [1 - **12** - **12**].
28 October 1960: Ghana: Kumasi-Dunkwa road: BMNH: 1 [1 - **1** - **1**].
15 May 1961: Ghana: Kumasi: BMNH: 1 [1 - **1** - **1**].
24 July 1961: Ghana: Tumu area: BMNH: 1 [1 - **1** - **1**].

30 July 1963: Ghana: Pong-Tamale: BMNH: 1 [1 - **1** - **1**].
29 March 1965: Ghana: Kumasi: BMNH: 2 [2 - **2** - **2**].
2 April 1965: Ghana: Takoradi: BMNH: 1 [1 - **1** - **1**].
10 April 1965: Ghana: Kumasi: BMNH: 1 [1 - **1** - **1**].
11 April 1965: Ghana: Kumasi: BMNH: 1 [1 - **1** - **1**].
30 May 1965: Ghana: Takoradi: BMNH: 1 [1 - **1** - **1**].
2 July 1965: Ghana: Kumasi: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Barry, D.H.: 23

Barry, Thomas H.
(1924: Mossel Bay South Africa - 1984)

Collection Date Unknown: South Africa: Tierkloof: SAMC: 2 [2 - **2** - **2**].

Total Specimens for Barry, Thomas H.: 2

Barthélemy

Collection Date Unknown: Congo (Democratic Republic of the): Boma: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Barthélemy: 1

Bartlett

Collection Date Unknown: Madagascar: Unknown locality: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Bartlett: 2

Barton

1 July 1972: Kenya: Naivasha: ROM: 8 [8 - **8** - **8**].

Total Specimens for Barton: 8

Barton, Miles

15 March 1966: Kenya: Mount Suswa: ROM: 1 [1 - **1** - **1**].
14 April 1967: Kenya: Mount Elgon, E face: ROM: 1 [1 - **1** - **1**].
16 April 1967: Kenya: Mount Elgon, E face: ROM: 7 [7 - **7** - **7**].
18 April 1967: Kenya: Mount Elgon, E face: ROM: 8 [8 - **8** - **8**].
19 April 1967: Kenya: Mount Elgon, E face: ROM: 2 [2 - **2** - **2**].
20 April 1967: Kenya: Mount Elgon, E face: ROM: 1 [1 - **1** - **1**].
25 April 1967: Kenya: Mount Elgon, E face: ROM: 1 [1 - **1** - **1**].
2 August 1967: Kenya: Malindi: ROM: 3 [3 - **3** - **3**].
4 August 1967: Kenya: Malindi: ROM: 1 [1] - Malindi, ca 19 km from: ROM: 4 [4 - **5** - **5**].
6 August 1967: Kenya: Malindi, ca 19 km from: ROM: 8 [8 - **8** - **8**].
21 August 1967: Kenya: Mount Elgon, E face: ROM: 4 [4 - **4** - **4**].
28 August 1967: Kenya: Mount Elgon, E face: ROM: 9, SAMA: 1 [10 - **10** - **10**].
20 April 1968: Kenya: Mount Elgon: ROM: 6 [6 - **6** - **6**].
30 July 1968: Kenya: Mount Elgon, E face: ROM: 2 [2 - **2** - **2**].
14 August 1968: Kenya: Mount Elgon, E face: ROM: 9 [9 - **9** - **9**].
15 August 1968: Kenya: Mount Elgon, E face: ROM: 10 [10 - **10** - **10**].
17 August 1968: Kenya: Kitale, 10 mi [= 16 km] NE: ROM: 1 [1] - Kitale, 16 km NE: ROM: 8 [8 - **9** - **9**].
18 August 1968: Kenya: Mount Elgon, E face: ROM: 1 [1 - **1** - **1**].
1 January 1969: Kenya: Unknown locality: ROM: 9 [9 - **9** - **9**].
20 January 1969: Kenya: Mount Elgon, E face: ROM: 2 [2 - **2** - **2**].
29 January 1969: Kenya: Lake Naivasha: ROM: 6 [6 - **6** - **6**].
2 February 1969: Kenya: Mount Elgon: ROM: 12 [12] - Mount Elgon, E face: ROM: 13 [13 - **25** - **25**].
5 February 1969: Kenya: North-East face of Mount Elgon: ROM: 7 [7 - **7** - **7**].
6 February 1969: Kenya: Mount Elgon, E face: ROM: 3 [3] - North-East face of Mount Elgon: ROM: 18 [18 - **21** - **21**].
8 February 1969: Kenya: Mount Elgon, E face: ROM: 4 [4 - **4** - **4**].
14 February 1969: Kenya: Kimmilli: ROM: 9 [9 - **9** - **9**].
16 April 1969: Kenya: Kitale Township, W of: ROM: 12 [12] - Mount Elgon: ROM: 1 [1 - **13** - **13**].
18 April 1969: Kenya: Kitale Township, W of: ROM: 6 [6 - **6** - **6**].
20 April 1969: Kenya: Mount Elgon: ROM: 8 [8 - **8** - **8**].
23 April 1969: Kenya: Mount Elgon: ROM: 1 [1 - **1** - **1**].
24 April 1969: Kenya: Mount Elgon: ROM: 5 [5 - **5** - **5**].
18 June 1969: Kenya: Mount Elgon, E face: ROM: 19 [19 - **19** - **19**].
20 June 1969: Kenya: Mount Elgon, E face: ROM: 49 [49 - **49** - **49**].
21 June 1969: Kenya: Mount Elgon, E face: ROM: 4 [4 - **4** - **4**].
23 June 1969: Kenya: Lake Naivasha: ROM: 21 [21 - **21** - **21**].
25 June 1969: Kenya: Lake Naivasha: ROM: 5 [5 - **5** - **5**].
16 April 1970: Kenya: Kitale Township, W of: ROM: 1 [1 - **1** - **1**].
14 August 1970: Kenya: North-East face of Mount Elgon: ROM: 31 [31 - **31** - **31**].

4 June 1972: Kenya: Central Elgon: ROM: 4 [4] - Elgon, Mount: ROM: 14 [14 - **18** - **18**].

Total Specimens for Barton, Miles: 352

Barton, Otis J.

Collection Date Unknown: Central African Republic: Fort Lamy province: AMNH: 1 [1] - Nola: AMNH: 1 [1] - Salo: AMNH: 2 [2 - **4**].
Chad: Kyabe: AMNH: 1 [1 - **1** - **5**].
11 August 1970: Kenya: North-East face of Mount Elgon: ROM: 10 [10 - **10** - **10**].
12 August 1970: Kenya: North-East face of Mount Elgon: ROM: 20 [20 - **20** - **20**].
14 August 1970: Kenya: North-East face of Mount Elgon: ROM: 1 [1 - **1** - **1**].
17 August 1970: Kenya: Mount Elgon: ROM: 1 [1] - North-East face of Mount Elgon: ROM: 20 [20 - **21** - **21**].
14 May 1972: Kenya: Central Elgon: ROM: 2 [2 - **2** - **2**].
17 May 1972: Kenya: Central Elgon: ROM: 1 [1] - Mount Elgon: ROM: 20 [20 - **21** - **21**].
18 May 1972: Kenya: Mount Elgon: ROM: 12 [12 - **12** - **12**].
27 May 1972: Kenya: Turkwell Gorge: ROM: 5 [5 - **5** - **5**].
28 May 1972: Kenya: Turkwell Gorge: ROM: 10 [10 - **10** - **10**].
29 May 1972: Kenya: Turkwell Gorge: ROM: 10 [10 - **10** - **10**].
3 June 1972: Kenya: Elgon, Mount: ROM: 8 [8 - **8** - **8**].
4 June 1972: Kenya: Central Elgon: ROM: 23 [23] - Elgon: ROM: 1 [1 - **24** - **24**].
7 June 1972: Kenya: Kitum caves: ROM: 24 [24 - **24** - **24**].
8 June 1972: Kenya: Central Elgon: ROM: 1 [1 - **1** - **1**].
9 June 1972: Kenya: Central Elgon: ROM: 14 [14 - **14** - **14**].
11 June 1972: Kenya: Central Elgon: ROM: 2 [2] - Kitale: ROM: 11 [11] - Saboti: ROM: 8 [8 - **21** - **21**].
12 June 1972: Kenya: Kitale area: ROM: 5 [5 - **5** - **5**].
14 June 1972: Kenya: Central Elgon: ROM: 32 [32 - **32** - **32**].
15 June 1972: Kenya: Kitale, 24 km from: ROM: 2 [2] - Kitale, 48 km from: ROM: 5 [5] - Kitale, 50 km from: ROM: 2 [2 - **9** - **9**].
17 June 1972: Kenya: Kitale, 50 km from: ROM: 34 [34 - **34** - **34**].
18 June 1972: Kenya: Lake Naivasha: ROM: 6 [6] - Naivasha: ROM: 4 [4 - **10** - **10**].
19 June 1972: Kenya: Mount Elgon: ROM: 2 [2 - **2** - **2**].
21 June 1972: Kenya: Nanyuki: ROM: 6 [6 - **6** - **6**].
27 June 1972: Kenya: Mount Suswa: ROM: 40 [40 - **40** - **40**].
30 June 1972: Kenya: Solai Valley: ROM: 10 [10 - **10** - **10**].
1 July 1972: Kenya: Naivasha: ROM: 2 [2] - Solai Valley: ROM: 48 [48 - **50** - **50**].
6 July 1972: Kenya: Mount Elgon: ROM: 1 [1 - **1** - **1**].
11 July 1972: Kenya: Mount Elgon: ROM: 8 [8 - **8** - **8**].
22 July 1972: Kenya: Menengai Crater: ROM: 58 [58 - **58** - **58**].
1 August 1972: Kenya: Vipingo: ROM: 26 [26 - **26** - **26**].
2 August 1972: Kenya: Vipingo: ROM: 77 [77 - **77** - **77**].
3 August 1972: Kenya: Tiwi: ROM: 12 [12 - **12** - **12**].
7 August 1972: Kenya: Tiwi: ROM: 41 [41 - **41** - **41**].
8 August 1972: Kenya: Tiwi: ROM: 22 [22 - **22** - **22**].
19 May 1974: Kenya: Turkwell Gorge: ROM: 3 [3 - **3** - **3**].
24 May 1974: Kenya: Kitale, 22 km W: ROM: 2 [2] - Kitale, 22.5 km W: ROM: 1 [1] - Kitale, 23 km W: ROM: 3 [3 - **6** - **6**].
25 May 1974: Kenya: Kitale, 14 mi [= 22.5 km] W: ROM: 1 [1] - Kitale, 22.5 km W: ROM: 10 [10] - Kitale, 23 km W: ROM: 1 [1 - **12** - **12**].
27 May 1974: Kenya: Nanyuki, 24 mi [=39 km] N: ROM: 3 [3] - Nanyuki, 38 km N: ROM: 2 [2 - **5** - **5**].
6 June 1974: Kenya: Kitale: ROM: 11 [11] - Mount Elgon: ROM: 1 [1 - **12** - **12**].
7 June 1974: Kenya: Naivasha, 35 km E: ROM: 9 [9] - Naivasha, 35.4 km E: ROM: 15 [15 - **24** - **24**].
8 June 1974: Kenya: Naivasha, 24 km E: ROM: 8 [8 - **8** - **8**].
9 June 1974: Kenya: Naivasha, 24 km E: ROM: 3 [3 - **3** - **3**].
12 June 1974: Kenya: Mount Nyiru: ROM: 11 [11 - **11** - **11**].
14 June 1974: Kenya: Ferguson's Gulf: ROM: 7 [7 - **7** - **7**].
18 June 1974: Kenya: Kitale, 24 km E: ROM: 17 [17 - **17** - **17**].
20 June 1974: Kenya: Mount Nasolot, near: ROM: 20 [20 - **20** - **20**].
22 June 1974: Kenya: Turkwell river: ROM: 11 [11 - **11** - **11**].
29 June 1974: Kenya: Mount Elgon: ROM: 27 [27 - **27** - **27**].
4 July 1974: Kenya: Vipingo: ROM: 20 [20 - **20** - **20**].
5 July 1974: Kenya: Tiwi River delta: ROM: 12 [12 - **12** - **12**].
6 July 1974: Kenya: Vipingo: ROM: 13 [13 - **13** - **13**].
8 July 1974: Kenya: Waa: ROM: 19 [19 - **19** - **19**].
10 July 1974: Kenya: Diani: ROM: 13 [13] - Waa: ROM: 14, SAMA: 1 [15 - **28** - **28**].
9 October 1974: Kenya: Diani: ROM: 9 [9 - **9** - **9**].

Total Specimens for Barton, Otis J.: 919

Barton, Otis J.; Barton, Miles

14 May 1972: Kenya: Central Elgon: ROM: 12 [12] - Central Elgon East: ROM: 24 [24] - Cherangani: ROM: 13 [13] - Cherangani Hills: ROM: 13 [13 - **62** - **62**].
15 May 1972: Kenya: Central Elgon: ROM: 16 [16] - Central Elgon East: ROM: 1 [1 - **17** - **17**].
16 May 1972: Kenya: Central Elgon: ROM: 36 [36] - Central Elgon East: ROM: 8 [8] - Malikisi River, Malikisi Caves: ROM: 25 [25 - **69** - **69**].

17 May 1972: Kenya: Central Elgon: ROM: 1 [1] - Central Elgon East: ROM: 2 [2 - **3** - **3**].

Total Specimens for Barton, Otis J.; Barton, Miles: 151

Basilewsky, P.

1 December 1952: Congo (Democratic Republic of the): Thysville: RMCA: 1 [1 - **1** - **1**].
5 January 1953: Burundi: Kinazi: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Basilewsky, P.: 4

Basilewsky, P.; Leleup, Narcisse

7 May 1957: Tanzania: Bunduki: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Basilewsky, P.; Leleup, Narcisse: 1

Basilio, Aurelio

Collection Date Unknown: Equatorial Guinea: Unknown locality: RMCA: 5 [5] - Banapa: AMNH: 1 [1] - Bioko Island: AMNH: 4 [4 - **10** - **10**].
1 September 1959: Equatorial Guinea: Bioko Island: AMNH: 1 [1 - **1** - **1**].
1 February 1962: Equatorial Guinea: Moka: AMNH: 1 [1] - Riusaka: AMNH: 2 [2 - **3** - **3**].

Total Specimens for Basilio, Aurelio: 14

Bastard, Eugène Joseph
(1865 - 1910)

Collection Date Unknown: Madagascar: Majunga: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Bastard, Eugène Joseph: 1

Baswell

24 February 1984: Tanzania: Lugoda Tea Estate: SMF: 1 [1 - **1** - **1**].

Total Specimens for Baswell: 1

Bate, Dorothy M.A.
(8 November 1878: Carmarthenshire - 13 January 1951: Tring)

26 March 1904: Greece: Mount Gova: TM: 1 [1 - **1** - **1**].

Total Specimens for Bate, Dorothy M.A.: 1

Bates, George Latimer
(31 January 1940)

Collection Date Unknown: "Africa": Unknown locality: MCZ: 1 [1] - West Africa: MCZ: 1 [1 - **2**].
Cameroon: Unknown locality: MCZ: 1 [1] - Bitye: BMNH: 9, MCZ: 1, RMCA: 4 [14] - Efulén: BMNH: 7, RMCA: 1 [8] - Garoua, 25 mi S: BMNH: 1 [1 - **24**].
Congo (Democratic Republic of the): Congo river, 75 mi up: USNM: 2 [2 - **2**].
Equatorial Guinea: Benito River: BMNH: 5 [5] - Benito River, 15 mi [= 24 km] from mouth: BMNH: 1 [1 - **6**].
Gabon: Como River: BMNH: 1 [1 - **1** - **35**].
14 June 1895: Cameroon: Efulén: USNM: 2 [2 - **2** - **2**].
3 June 1897: Gabon: Como River: BMNH: 1, ROM: 1 [2 - **2** - **2**].
1 August 1897: Congo (Democratic Republic of the): Congo river, 75 mi up: USNM: 1 [1 - **1** - **1**].
11 December 1897: Equatorial Guinea: Benito River: BMNH: 1 [1 - **1** - **1**].
22 January 1898: Equatorial Guinea: Benito River: BMNH: 1 [1 - **1** - **1**].
1 February 1899: Equatorial Guinea: 15 mi: BMNH: 1 [1 - **1** - **1**].
4 September 1899: Equatorial Guinea: Benito River, 30 mi from mouth: FMNH: 1 [1 - **1** - **1**].
7 September 1899: Equatorial Guinea: Benito River: BMNH: 1 [1 - **1** - **1**].
24 July 1901: Cameroon: Efulén: BMNH: 1 [1 - **1** - **1**].
14 August 1901: Cameroon: Efulén: BMNH: 1 [1 - **1** - **1**].
29 May 1903: Cameroon: Efulén: USNM: 1 [1 - **1** - **1**].
9 September 1903: Cameroon: Efulén: USNM: 1 [1 - **1** - **1**].
15 June 1905: Cameroon: Efulén: MCZ: 1 [1 - **1** - **1**].
23 January 1906: Cameroon: Dja river: BMNH: 1 [1 - **1** - **1**].
14 July 1908: Cameroon: Unknown locality: FMNH: 1 [1 - **1** - **1**].
11 August 1909: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
19 November 1909: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
17 October 1911: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
11 December 1911: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
17 January 1912: Cameroon: Bitye: RMCA: 2 [2 - **2** - **2**].

28 January 1912: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
16 February 1912: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
24 February 1912: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
5 June 1912: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
10 June 1912: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
4 July 1912: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
22 July 1912: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
6 August 1912: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
3 September 1912: Cameroon: Bitye: BMNH: 2 [2 - **2** - **2**].
7 September 1912: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
23 September 1912: Cameroon: Bitye: FMNH: 1, RMCA: 1 [2 - **2** - **2**].
20 October 1912: Cameroon: Bitye: FMNH: 1 [1 - **1** - **1**].
7 November 1912: Cameroon: Bitye: RMCA: 1 [1 - **1** - **1**].
13 August 1913: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
7 November 1913: Cameroon: Bitye: FMNH: 1 [1 - **1** - **1**].
24 November 1913: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
20 December 1913: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
8 April 1914: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
9 October 1914: Cameroon: Bitye: USNM: 1 [1 - **1** - **1**].
20 May 1921: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
29 May 1921: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
3 December 1921: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
6 February 1922: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
22 March 1922: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
28 March 1922: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Bates, George Latimer: 85

Bates, George Latimer; Rosenberg, G.

Collection Date Unknown: Cameroon: Bitye: ZMB: 1 [1 - **1** - **1**].
24 May 1906: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
18 February 1922: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Bates, George Latimer; Rosenberg, G.: 3

Bates, Paul J.J.; Pearch, Malcolm J.; Nurhussein, O.

19 July 1998: Ethiopia: Sof Omar cave: HZM: 14 [14 - **14** - **14**].

Total Specimens for Bates, Paul J.J.; Pearch, Malcolm J.; Nurhussein, O.: 14

Battersby, Jessamy C.

Collection Date Unknown: Kenya: Murri: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Battersby, Jessamy C.: 1

Baudart

5 November 1938: Congo (Democratic Republic of the): Busu Mokalu: RMCA: 6 [6 - **6** - **6**].

Total Specimens for Baudart: 6

Baudon, A.

Collection Date Unknown: Central African Republic: Kodou: AMNH: 3 [3] - Loango: AMNH: 2 [2 - **5** - **5**].
31 October 1921: Central African Republic: Ouham area: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Baudon, A.: 6

Bauer, Roland G.

4 January 1965: Kenya: Nyala Beach Hotel: YPM: 1 [1] - Sokoke Forest: YPM: 1 [1 - **2** - **2**].
6 January 1965: Kenya: "Vipinga": YPM: 5 [5] - Sokoke Forest: YPM: 1 [1 - **6** - **6**].
7 January 1965: Kenya: Gedi National Park: YPM: 8 [8 - **8** - **8**].
8 January 1965: Kenya: Kilifi, 5 mi W: YPM: 14 [14] - Sokoke Forest: YPM: 1 [1 - **15** - **15**].
9 January 1965: Kenya: Sokoke Forest: YPM: 5 [5 - **5** - **5**].
11 January 1965: Kenya: Sokoke Forest: YPM: 1 [1 - **1** - **1**].
13 January 1965: Kenya: Sokoke Forest: YPM: 2 [2 - **2** - **2**].
20 January 1965: Kenya: Mweiga, 10 mi NW: YPM: 2 [2 - **2** - **2**].
25 January 1965: Kenya: Isiolo, 6 mi N: YPM: 1 [1 - **1** - **1**].
27 January 1965: Kenya: Isiolo, 5 mi [= 8 km] SW: YPM: 2 [2 - **2** - **2**].
30 January 1965: Kenya: Isiolo, 15 mi N: YPM: 3 [3 - **3** - **3**].
5 February 1965: Kenya: Olkenyie: YPM: 1 [1 - **1** - **1**].

6 February 1965: Kenya: Olkenyie: YPM: 1 [1 - **1** - **1**].
8 February 1965: Kenya: Olkenyie: YPM: 1 [1 - **1** - **1**].

Total Specimens for Bauer, Roland G.: 50

Baum, H.

22 October 1968: Kenya: Ruivi [= Ruaraka]: SMF: 1 [1 - **1** - **1**].

Total Specimens for Baum, H.: 1

Baumann

Collection Date Unknown: Ghana: Kete: ZMB: 2 [2] - Kete Krachi: ZMB: 1 [1 - **3**].
Togo: Missahohé: ZMB: 8 [8 - **8** - **11**].
1 January 1894: Ghana: Kete: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Baumann: 12

Baxter

Collection Date Unknown: Tanzania: Moshi: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Baxter: 1

Bayer

1 July 1913: Kenya: Sebaki river: RMCA: 3 [3 - **3** - **3**].
4 June 1914: Kenya: Kerio river: RMCA: 24 [24 - **24** - **24**].
15 June 1914: Kenya: Baringo: RMCA: 1 [1 - **1** - **1**].
20 June 1914: Kenya: Baringo, lake: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Bayer: 30

Bayet, P.

Collection Date Unknown: Congo (Democratic Republic of the): Beno: BMNH: 1, RMCA: 7 [8 - **8** - **8**].
1 January 1949: Congo (Democratic Republic of the): Beno: BMNH: 4, RMCA: 27 [31 - **31** - **31**].

Total Specimens for Bayet, P.: 39

Bayliss, J.

8 May 2012: Mozambique: Mount Mecula: DNSM: 2 [2 - **2** - **2**].

Total Specimens for Bayliss, J.: 2

Bayliss, Julian

16 February 1995: Tanzania: Kwamgumi Forest Reserve: SMF: 1 [1 - **1** - **1**].
2 September 1995: Tanzania: Bamba-Mlungi Forest Reserve: SMF: 1 [1 - **1** - **1**].
1 May 2009: Mozambique: Mount Inago Forest Camp: DNSM: 1 [1 - **1** - **1**].
5 September 2009: Mozambique: Mount Inago: DNSM: 1 [1 - **1** - **1**].
7 May 2012: Mozambique: Mount Mecula: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Bayliss, Julian: 5

Bayliss, Julian; *et al.*; Frontier-Project, The

27 July 1995: Tanzania: Bamba-Mlungi Forest Reserve: SMF: 1 [1 - **1** - **1**].

Total Specimens for Bayliss, Julian; *et al.*; Frontier-Project, The: 1

Bayon, E.

Collection Date Unknown: Uganda: Victoria Nyanza [=Lake Victoria]: AMNH: 1 [1 - **1** - **1**].
1 January 1907: Uganda: Entebbe: RMCA: 2 [2 - **2** - **2**].
1 January 1908: Uganda: Bugala island: SMF: 1 [1 - **1** - **1**].
1 July 1908: Uganda: Bugala Island: AMNH: 1 [1] - Nyanga: RMCA: 4 [4 - **5** - **5**].
10 September 1908: Uganda: Entebbe: AMNH: 1 [1 - **1** - **1**].
1 January 1909: Uganda: Bussu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Bayon, E.: 11

Beakbane, K.

19 February 1983: Tanzania: Kibwele: SMF: 1 [1 - **1** - **1**].

Total Specimens for Beakbane, K.: 1

Beatty, Harry A.
(10 January 1902: St. Croix -)

Collection Date Unknown: Congo: Mossake: FMNH: 1 [1 - **1** - **1**].
1 January 1946: Liberia: Firestone Plantation: MVZ: 2 [2 - **2** - **2**].
5 January 1946: Liberia: Firestone Plantation: MVZ: 1 [1 - **1** - **1**].
3 March 1946: Liberia: Firestone Plantation: MVZ: 4 [4 - **4** - **4**].
1 June 1946: Liberia: Firestone Plantation: FMNH: 2 [2 - **2** - **2**].
5 January 1947: Liberia: Firestone Plantation: MVZ: 1 [1 - **1** - **1**].
15 June 1947: Liberia: Firestone Plantation: MVZ: 1 [1 - **1** - **1**].
21 June 1947: Liberia: Firestone Plantation: MVZ: 9 [9 - **9** - **9**].
1 November 1947: Liberia: Firestone Plantation: MVZ: 1 [1 - **1** - **1**].
5 July 1948: Liberia: Harbel: MVZ: 2 [2 - **2** - **2**].
28 January 1951: Gabon: Cap Esterias: FMNH: 1 [1 - **1** - **1**].
4 April 1951: Gabon: Port Gentile: FMNH: 5 [5 - **5** - **5**].
10 April 1951: Gabon: Port Gentile: FMNH: 1 [1 - **1** - **1**].
12 May 1951: Gabon: Ogooue-Maritime province: FMNH: 1 [1 - **1** - **1**].
16 May 1951: Congo: Bongolo: FMNH: 1 [1 - **1** - **1**].
20 May 1951: Gabon: Mouila: FMNH: 1 [1 - **1** - **1**].
3 June 1951: Gabon: Mount Tandou: FMNH: 1 [1 - **1** - **1**].
23 June 1951: Congo: Bongolo: FMNH: 1 [1 - **1** - **1**].
23 July 1951: Congo: Bongolo: FMNH: 3 [3 - **3**].
Gabon: Port Gentile: FMNH: 1 [1 - **1** - **4**].
26 September 1951: Gabon: Mouila: FMNH: 2 [2 - **2** - **2**].
29 September 1951: Gabon: Mouila: FMNH: 3 [3 - **3** - **3**].
16 October 1951: Congo: Djambala: FMNH: 2 [2 - **2** - **2**].
17 October 1951: Congo: Djambala: FMNH: 2 [2 - **2** - **2**].
19 November 1951: Congo: Djambala: FMNH: 5 [5 - **5** - **5**].
18 February 1952: Congo: Epéna: FMNH: 3 [3 - **3** - **3**].
15 April 1952: Gabon: Tchibanga: FMNH: 1 [1 - **1** - **1**].
5 August 1952: Gabon: N'dende: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Beatty, Harry A.: 59

Beccari, Odoardo
(1843 - 1920)

Collection Date Unknown: Egypt: Cairo, 20 km S: ZMB: 1 [1 - **1**].
Ethiopia: Abyssinia: ZMB: 1 [1 - **1** - **2**].

Total Specimens for Beccari, Odoardo: 2

Beck

Collection Date Unknown: Namibia: Damaraland: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Beck: 1

Becquet

1 December 1927: Congo (Democratic Republic of the): Mukishi: RMCA: 1 [1 - **1** - **1**].
29 December 1927: Congo (Democratic Republic of the): Mukishi: RMCA: 1 [1 - **1** - **1**].
1 January 1933: Rwanda: Kigali: RMCA: 1 [1 - **1** - **1**].
1 February 1942: Congo (Democratic Republic of the): Léopoldville: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Becquet: 5

Bedford, J.A.H.

22 December 1927: South Africa: Sycamore Station: TM: 1 [1 - **1** - **1**].

Total Specimens for Bedford, J.A.H.: 1

Beebe, Charles William ("Will")
(29 July 1877: Brooklyn - 4 June 1962)

11 January 1918: Tanzania: Morogoro: AMNH: 2 [2 - **2** - **2**].
10 March 1918: Tanzania: Morogoro: AMNH: 1 [1 - **1** - **1**].
6 April 1918: Tanzania: Morogoro: AMNH: 1 [1 - **1** - **1**].

18 July 1918: Tanzania: Morogoro: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Beebe, Charles William ("Will"): 5

Begg, G.

3 July 1962: Zimbabwe: Salisbury: USNM: 1 [1 - **1** - **1**].
12 December 1963: Zimbabwe: Fairfield park: USNM: 1 [1 - **1** - **1**].
5 January 1964: Zimbabwe: Fairfield park: HZM: 2 [2 - **2** - **2**].

Total Specimens for Begg, G.: 4

Bekker, Jan Piet

Collection Date Unknown: Kenya: Unknown locality: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Bekker, Jan Piet: 1

Belgian Hydrobiological Expedition to Tanganyika, the

Collection Date Unknown: Congo (Democratic Republic of the): Baraka: BMNH: 3 [3] - Cape Cassa Mabongo: BMNH: 8 [8 - **11** - **11**].
16 April 1947: Congo (Democratic Republic of the): Baraka: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Belgian Hydrobiological Expedition to Tanganyika, the: 12

Belk

Collection Date Unknown: Namibia: Walfischbay [=Walvis Bay]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Belk: 1

Bell, G.P.

Collection Date Unknown: Zimbabwe: Sengwe Wildlife Research Area: ROM: 1 [1 - **1** - **1**].
23 December 1982: Zimbabwe: Sengwe Wildlife Research Area: ROM: 1 [1 - **1** - **1**].
29 December 1982: Zimbabwe: Lutope and Sengwa Rivers confluence: ROM: 3 [3] - Sengwe Wildlife Research Area: ROM: 1 [1 - **4** - **4**].
8 January 1983: Zimbabwe: Sengwe Wildlife Research Area: ROM: 1 [1 - **1** - **1**].
7 April 1983: Zimbabwe: Sengwe Wildlife Research Area: ROM: 1 [1 - **1** - **1**].
3 May 1983: Zimbabwe: Sengwe Wildlife Research Area: ROM: 1 [1 - **1** - **1**].

Total Specimens for Bell, G.P.: 9

Bell, H.W.; Karley

14 February 1918: South Africa: KwaZulu-Natal province: TM: 1 [1 - **1** - **1**].
16 February 1922: South Africa: Durban: TM: 1 [1 - **1** - **1**].
4 February 1923: South Africa: Greytown: TM: 1 [1 - **1** - **1**].

Total Specimens for Bell, H.W.; Karley: 3

Bell; Leakey

Collection Date Unknown: Kenya: Kavirongo Gulf, S coast: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Bell; Leakey: 1

Bellairs, H. A.

Collection Date Unknown: Mauritius: Rodrigues: RMNH: 2 [2 - **2** - **2**].

Total Specimens for Bellairs, H. A.: 2

Bellier, Louis

Collection Date Unknown: Côte d'Ivoire: Adiopodoumé: RMCA: 4 [4] - Lamto: ZMA: 6 [6] - Lamto Ecology Station: ZMB: 1 [1 - **11** - **11**].
15 May 1964: Côte d'Ivoire: Toumodi sud: RMCA: 1 [1 - **1** - **1**].
28 May 1964: Côte d'Ivoire: Toumodi sud: RMCA: 2 [2 - **2** - **2**].
30 May 1964: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
15 October 1964: Côte d'Ivoire: Toumodi sud: RMCA: 1 [1 - **1** - **1**].
22 December 1966: Côte d'Ivoire: Adiopodoumé: ZMA: 1 [1 - **1** - **1**].
23 February 1970: Côte d'Ivoire: Lamto: RMCA: 1 [1 - **1** - **1**].

26 February 1970: Côte d'Ivoire: Lamto: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Bellier, Louis: 20

Bell-Marley, H.W.

22 January 1928: South Africa: Gilletts: TM: 1 [1 - **1** - **1**].
5 December 1935: South Africa: Sikangwana: TM: 1 [1 - **1** - **1**].

Total Specimens for Bell-Marley, H.W.: 2

Benda, Petr

Collection Date Unknown: Ethiopia: Desea Forest: NMP: 1 [1] - Harle: NMP: 1 [1] - Korem: NMP: 1 [1] - Menagesha Forest: NMP: 3 [3] - Simien Mountains National Park: NMP: 1 [1] - Sorobo: NMP: 1 [1 - **8**].
Namibia: Diyogha: NMP: 2 [2] - Gcangcu: NMP: 1 [1] - Ghaub Farm: NMP: 1 [1] - Nyangana: NMP: 2 [2] - Okashana: NMP: 1 [1] - Otjitotongwe Farm: NMP: 1 [1] - Sesfontein: NMP: 1 [1 - **9** - **17**].
25 August 2003: Morocco: Souk-Khemis-des-Beni-Arouss: NMP: 1 [1 - **1** - **1**].
30 August 2003: Morocco: Talkout: NMP: 8 [8 - **8** - **8**].
31 August 2003: Morocco: Anagam, 5 km NW: NMP: 4 [4] - Oued Draâ: NMP: 1 [1 - **5** - **5**].
5 September 2003: Ethiopia: Masha, Baro River: NMP: 2 [2 - **2** - **2**].
6 September 2003: Morocco: Taourirt prefecture, 10 km NW Taourirt: NMP: 1 [1 - **1** - **1**].
9 September 2003: Morocco: Oued el-Ammar: NMP: 3 [3] - Sebt-des-Ait-Serhrouchen: NMP: 1 [1 - **4** - **4**].
3 November 2003: Morocco: Tamtattouchte: NMP: 1 [1 - **1** - **1**].
26 April 2008: Morocco: Azigza cave: NMP: 10 [10 - **10** - **10**].
1 November 2012: Ethiopia: Aksum: NMP: 1 [1 - **1** - **1**].
5 November 2012: Ethiopia: Simien National Park: NMP: 1 [1 - **1** - **1**].
7 November 2012: Ethiopia: Megbiya Ber: NMP: 6 [6 - **6** - **6**].
8 November 2012: Ethiopia: Megenagne: NMP: 2 [2 - **2** - **2**].
9 November 2012: Ethiopia: Mehadid: NMP: 10 [10 - **10** - **10**].
12 November 2012: Ethiopia: Dangola Washa Caves: NMP: 3 [3 - **3** - **3**].
26 November 2012: Ethiopia: Bonga, 15 km E: NMP: 1 [1 - **1** - **1**].

Total Specimens for Benda, Petr: 73

Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter

28 August 2003: Morocco: Bekrite: NMP: 1 [1 - **1** - **1**].
24 April 2008: Morocco: Gorges du Dadès: NMP: 3 [3 - **3** - **3**].
26 April 2008: Morocco: Kef Azigza Cave: NMP: 9 [9] - Kef Azigza Cave: NMP: 11 [11] - Takoumit oasis: NMP: 2 [2 - **22** - **22**].
27 April 2008: Morocco: Bekrite: NMP: 2 [2] - Takoumit oasis: NMP: 1 [1 - **3** - **3**].
28 April 2008: Morocco: Bekrite: NMP: 7 [7] - Kef Azigza Cave: NMP: 1 [1 - **8** - **8**].

Total Specimens for Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: 37

Benda, Petr; Hanák, Vladimir; Andreas, Michal; Reiter, Antonin; Uhrin, Marcel

18 May 2002: Libya: 'Arqub Ash Shafshaf: NMP: 3 [3 - **3** - **3**].
19 May 2002: Libya: Al Bayda: NMP: 4 [4 - **4** - **4**].
20 May 2002: Libya: Massah: NMP: 3 [3] - Wadi al Kuf [= Jabal Akhdar Mts]: NMP: 6 [6 - **9** - **9**].

Total Specimens for Benda, Petr; Hanák, Vladimir; Andreas, Michal; Reiter, Antonin; Uhrin, Marcel: 16

Benda, Petr; Lucan, Radek K.

28 January 2010: Egypt: Luksor, Karnak Temple: NMP: 1 [1 - **1** - **1**].

Total Specimens for Benda, Petr; Lucan, Radek K.: 1

Benda, Petr; Lucan, Radek K.; Horácek, Ivan

20 January 2010: Egypt: Al Qasr: NMP: 2 [2 - **2** - **2**].
24 January 2010: Egypt: Aswan: NMP: 1 [1 - **1** - **1**].
25 January 2010: Egypt: El A'agab: NMP: 1 [1 - **1** - **1**].

Total Specimens for Benda, Petr; Lucan, Radek K.; Horácek, Ivan: 4

Benda, Petr; Obuch, Ján

Collection Date Unknown: Ethiopia: Sof Omar cave: NMP: 11 [11 - **11** - **11**].

Total Specimens for Benda, Petr; Obuch, Ján: 11

Benda, Petr; Reiter, Antonin; Ševcík, Martin; Uhrin, Marcel

2 October 2010: Morocco: Derdara: NMP: 1 [1 - **1** - **1**].
7 October 2010: Morocco: Gorges du Dadès: NMP: 1 [1 - **1** - **1**].

Total Specimens for Benda, Petr; Reiter, Antonin; Ševcík, Martin; Uhrin, Marcel: 2

Benda, Petr; Reiter, Antonin; Uhrin, Marcel

13 October 2010: Mauritania: Kaédi, W edge: NMP: 1 [1 - **1** - **1**].

Total Specimens for Benda, Petr; Reiter, Antonin; Uhrin, Marcel: 1

Benda, Petr; Šmíd, J.

7 December 2010: Sudan: Dongola: NMP: 2 [2 - **2** - **2**].
10 December 2010: Sudan: Ferka: NMP: 1 [1 - **1** - **1**].

Total Specimens for Benda, Petr; Šmíd, J.: 3

Benedicte, R.

1 January 1969: Madagascar: Analamazaotra forest, Périnet: ROM: 1 [1 - **1** - **1**].
1 April 1969: Madagascar: Analamazaotra forest, Périnet: ROM: 7 [7] - Foulpointe: ROM: 6 [6 - **13** - **13**].

Total Specimens for Benedicte, R.: 14

Benkenstein

23 August 1941: South Africa: King Williamstown: KM: 1 [1 - **1** - **1**].

Total Specimens for Benkenstein: 1

Bennett, B.L.

1 August 1934: Congo (Democratic Republic of the): Kalanda: MCZ: 1 [1 - **1** - **1**].
7 August 1934: Congo (Democratic Republic of the): Kalanda: MCZ: 1 [1 - **1** - **1**].
8 August 1934: Congo (Democratic Republic of the): Kalanda: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Bennett, B.L.: 3

Bennwarth

Collection Date Unknown: Egypt: Unknown locality: SMF: 1 [1 - **1** - **1**].

Total Specimens for Bennwarth: 1

Benoit

1 September 1959: Congo (Democratic Republic of the): Kasongo: RMCA: 1 [1] - Mwanakusu cave: RMCA: 1 [1 - **2** - **2**].

Total Specimens for Benoit: 2

Benson

20 September 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
26 October 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].

Total Specimens for Benson: 2

Benson, Constantine ("Con") Walter
(1909 - 21 September 1982)

Collection Date Unknown: Zambia: Chilanga: NHMZ: 2 [2] - Choma district: NHMZ: 2 [2] - Makeni Farm: NHMZ: 1 [1] - Mount Makulu Research Station: NHMZ: 1 [1] - Salujinga: NHMZ: 4 [4] - Sililo: BMNH: 1 [1 - **11** - **11**].
11 July 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
15 September 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
16 September 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
21 September 1939: Malawi: Ncheu [=Ntcheu]: TM: 2 [2 - **2** - **2**].
26 October 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
31 October 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
8 November 1939: Malawi: Ncheu [=Ntcheu]: TM: 1 [1 - **1** - **1**].
26 June 1963: Zambia: Chilanga: BMNH: 1 [1 - **1** - **1**].
21 July 1964: Zambia: Matabele plain: BMNH: 1 [1 - **1** - **1**].

15 November 1964: Zambia: Salujinga: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Benson, Constantine ("Con") Walter: 23

Benson, John

12 December 1971: Kenya: Donya Sabuk [=syn Donjo Sebuk, Ol Dongo Sabuk National Park]: NMK: 1 [1 - **1** - **1**].

Total Specimens for Benson, John: 1

Bentley, M.

Collection Date Unknown: Congo: Unknown locality: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Bentley, M.: 1

Benzon, Boye

17 March 1935: Kenya: Voi: ZMUC: 1 [1 - **1** - **1**].

Total Specimens for Benzon, Boye: 1

Bequaert, J.

Collection Date Unknown: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1] - Lubumbashi: RMCA: 1 [1 - **2** - **2**].
18 November 1913: Congo (Democratic Republic of the): Batoko: RMCA: 1 [1 - **1** - **1**].
1 January 1914: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
16 January 1914: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
1 December 1914: Congo (Democratic Republic of the): Panga: RMCA: 1 [1 - **1** - **1**].
15 February 1921: Congo (Democratic Republic of the): Lubumbashi: RMCA: 5 [5 - **5** - **5**].
1 April 1926: Congo (Democratic Republic of the): Lubumbashi: RMCA: 1 [1 - **1** - **1**].
18 August 1938: Congo (Democratic Republic of the): Kele cave 1: RMCA: 9 [9 - **9** - **9**].

Total Specimens for Bequaert, J.: 21

Beresford, Pamela

12 June 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Beresford, Pamela: 1

Berger

Collection Date Unknown: South Sudan: Gondokoro: ZMB: 1 [1] - Lado [=Lado, Jabal, Mount Lado]: ZMB: 3 [3 - **4**].
Uganda: Butiaba: ZMB: 2 [2 - **2** - **6**].

Total Specimens for Berger: 6

Bergius

Collection Date Unknown: South Africa: Cape of Good Hope: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Bergius: 1

Bergmans, Wim
(11 February 1940;Amsterdam - 16 February 2018;Amsterdam; The Netherlands)

Collection Date Unknown: Congo: Unknown locality: ZMA: 1 [1 - **1**].
Nigeria: Unknown locality: ZMA: 1 [1] - Arusua: ZMA: 4 [4] - Calabar: ZMA: 2 [2] - Ibadan: ZMA: 7 [7] - Ife: ZMA: 2 [2] - Jos: ZMA: 4 [4] - Mkar: ZMA: 2 [2] - Pandam Wildlife Park: ZMA: 33 [33 - **55** - **56**].
27 October 1972: Congo: Pointe-Noire: ZMA: 2 [2 - **2** - **2**].
28 October 1972: Congo: Pointe-Noire: ZMA: 3 [3 - **3** - **3**].
31 October 1972: Congo: Pointe-Noire: ZMA: 6 [6 - **6** - **6**].
1 November 1972: Congo: Pointe-Noire: ZMA: 2 [2 - **2** - **2**].
2 November 1972: Congo: Pointe-Noire: ZMA: 4 [4 - **4** - **4**].
3 November 1972: Congo: Pointe-Noire: ZMA: 3 [3 - **3** - **3**].
6 November 1972: Congo: Pointe-Noire: ZMA: 2 [2 - **2** - **2**].
7 November 1972: Congo: Pointe-Noire: ZMA: 2 [2 - **2** - **2**].
9 November 1972: Congo: Sounda: ZMA: 6 [6 - **6** - **6**].
10 November 1972: Congo: Sounda: ZMA: 3 [3 - **3** - **3**].
11 November 1972: Congo: Sounda: ZMA: 2 [2 - **2** - **2**].
12 November 1972: Congo: Pointe Noire: ZMA: 2 [2] - Pointe-Noire: ZMA: 2 [2] - Sounda: ZMA: 1 [1 - **5** - **5**].
13 November 1972: Congo: Pointe-Noire: ZMA: 2 [2] - Pointe-Noire, 3 mi [=4.8 km] SE: ZMA: 1 [1 - **3** - **3**].
14 November 1972: Congo: Pointe-Noire: ZMA: 1 [1 - **1** - **1**].
15 November 1972: Congo: Pointe-Noire: ZMA: 1 [1 - **1** - **1**].

16 November 1972: Congo: Pointe Noire: ZMA: 2 [2] - Pointe-Noire: ZMA: 6 [6 - **8** - **8**].
17 November 1972: Congo: Cote-Matève, 1 mi [=1.6 km] SE: ZMA: 3 [3 - **3** - **3**].
19 November 1972: Congo: Pointe Noire: ZMA: 1 [1] - Pointe-Noire: ZMA: 2 [2 - **3** - **3**].
20 November 1972: Congo: Pointe-Noire: ZMA: 2 [2 - **2** - **2**].
21 November 1972: Congo: Pointe-Noire: ZMA: 2 [2 - **2** - **2**].
22 November 1972: Congo: Pointe-Noire: ZMA: 2 [2 - **2** - **2**].
25 November 1972: Congo: Pointe Noire: ZMA: 2 [2] - Pointe-Noire: ZMA: 2 [2] - Pointe-Noire, 3 mi [=4.8 km] SE: ZMA: 1 [1 - **5** - **5**].
26 November 1972: Congo: Pointe Noire: ZMA: 1 [1] - Pointe-Noire: ZMA: 1 [1 - **2** - **2**].
27 November 1972: Congo: Pointe Noire: ZMA: 1 [1] - Pointe-Noire: ZMA: 3 [3 - **4** - **4**].
28 November 1972: Congo: Pointe-Noire: ZMA: 6 [6 - **6** - **6**].
29 November 1972: Congo: Pointe-Noire: ZMA: 1 [1 - **1** - **1**].
30 November 1972: Congo: Pointe Noire: ZMA: 1 [1] - Pointe-Noire: ZMA: 6 [6 - **7** - **7**].
1 December 1972: Congo: Pointe-Noire: ZMA: 1 [1 - **1** - **1**].
2 December 1972: Congo: Pointe-Noire: ZMA: 3 [3 - **3** - **3**].
4 December 1972: Congo: Pointe-Noire: ZMA: 1 [1 - **1** - **1**].
6 December 1972: Congo: Dinguembo: ZMA: 3 [3 - **3** - **3**].
7 December 1972: Congo: Milamila: ZMA: 5 [5 - **5** - **5**].
11 December 1972: Congo: Pointe-Noire: ZMA: 1 [1 - **1** - **1**].
13 December 1972: Congo: Pointe-Noire: ZMA: 6 [6 - **6** - **6**].
14 December 1972: Congo: Pointe-Noire: ZMA: 4 [4 - **4** - **4**].
19 December 1972: Congo: Pointe-Noire: ZMA: 1 [1 - **1** - **1**].
20 December 1972: Congo: Pointe-Noire: ZMA: 1 [1 - **1** - **1**].
21 December 1972: Congo: Pointe-Noire: ZMA: 3 [3 - **3** - **3**].
23 December 1972: Congo: Brazzaville: ZMA: 3 [3] - Centre ORSTOM: ZMA: 2 [2 - **5** - **5**].
24 December 1972: Congo: Centre ORSTOM: ZMA: 1 [1 - **1** - **1**].
25 December 1972: Congo: Brazzaville: ZMA: 1 [1] - Centre ORSTOM: ZMA: 1 [1] - Pointe-Noire: ZMA: 1 [1 - **3** - **3**].
26 December 1972: Congo: Brazzaville: ZMA: 12 [12] - Centre ORSTOM: ZMA: 1 [1] - Pointe-Noire: ZMA: 1 [1 - **14** - **14**].
27 December 1972: Congo: Brazzaville: ZMA: 3 [3] - Centre ORSTOM: ZMA: 2 [2 - **5** - **5**].
25 June 1976: Nigeria: Chuel: ZMA: 1 [1] - Jos: ZMA: 3 [3 - **4** - **4**].
27 June 1976: Nigeria: Jos: ZMA: 1 [1 - **1** - **1**].
1 July 1976: Nigeria: Pandam Wildlife Park: ZMA: 1 [1 - **1** - **1**].
2 July 1976: Nigeria: Pandam Wildlife Park: ZMA: 3 [3 - **3** - **3**].
5 July 1976: Nigeria: Lake Pandam: ZMA: 1 [1] - Pandam: ZMA: 1 [1] - Pandam Wildlife Park: ZMA: 4 [4 - **6** - **6**].
6 July 1976: Nigeria: Pandam: ZMA: 1 [1 - **1** - **1**].
7 July 1976: Nigeria: Lake Pandam: ZMA: 1 [1] - Pandam: ZMA: 1 [1 - **2** - **2**].
8 July 1976: Nigeria: Arusu: ZMA: 1 [1] - Arusua: ZMA: 3 [3 - **4** - **4**].
11 July 1976: Nigeria: Lake Pandam: ZMA: 3 [3 - **3** - **3**].
12 July 1976: Nigeria: Mkar: ZMA: 4 [4 - **4** - **4**].
13 July 1976: Nigeria: Mkar: ZMA: 1 [1 - **1** - **1**].
21 July 1976: Nigeria: Unknown locality: ZMA: 5 [5 - **5** - **5**].
23 July 1976: Nigeria: Calabar: ZMA: 1 [1 - **1** - **1**].
24 July 1976: Nigeria: Odukpani: ZMA: 1 [1 - **1** - **1**].
27 July 1976: Nigeria: Ikang: ZMA: 1 [1 - **1** - **1**].
28 July 1976: Nigeria: Ikang: ZMA: 3 [3 - **3** - **3**].
4 August 1976: Nigeria: Ibadan: ZMA: 5 [5 - **5** - **5**].
6 August 1976: Nigeria: Ibadan: ZMA: 1 [1 - **1** - **1**].
9 August 1976: Nigeria: Ibadan: ZMA: 4 [4 - **4** - **4**].
13 August 1976: Nigeria: Ife: ZMA: 23 [23 - **23** - **23**].
14 August 1976: Nigeria: Ife: ZMA: 7 [7 - **7** - **7**].
15 August 1976: Nigeria: Ife: ZMA: 1 [1] - Ife University Campus: ZMA: 2 [2 - **3** - **3**].
17 August 1976: Nigeria: Ife University Campus: ZMA: 1 [1 - **1** - **1**].
21 August 1976: Nigeria: Ife: ZMA: 1 [1 - **1** - **1**].
27 August 1976: Nigeria: Agege: ZMA: 1 [1 - **1** - **1**].
28 August 1976: Nigeria: Agege: ZMA: 3 [3 - **3** - **3**].
22 November 1987: Kenya: Mrima Hill: ZMA: 1 [1 - **1** - **1**].
23 November 1987: Kenya: Magwagwa Beach: ZMA: 1 [1] - Msambweni: ZMA: 1 [1 - **2** - **2**].
15 October 1990: Congo (Democratic Republic of the): Irangi, slightly E of: ZMA: 6 [6] - Kasiba: ZMA: 1 [1 - **7** - **7**].
16 October 1990: Congo (Democratic Republic of the): Irangi: ZMA: 2 [2] - Irangi, 3 mi of: ZMA: 2 [2 - **4** - **4**].
17 October 1990: Congo (Democratic Republic of the): Irangi: ZMA: 4 [4 - **4** - **4**].
18 October 1990: Congo (Democratic Republic of the): Irangi: ZMA: 1 [1] - Luhoho: ZMA: 3 [3 - **4** - **4**].
19 October 1990: Congo (Democratic Republic of the): Irangi: ZMA: 1 [1 - **1** - **1**].
12 April 1992: Congo (Democratic Republic of the): Lwana: ZMA: 1 [1 - **1** - **1**].
30 March 1997: Benin: Koko: ZMA: 2 [2 - **2** - **2**].
31 March 1997: Benin: Koko: ZMA: 2 [2 - **2** - **2**].
20 December 2000: Benin: Porto Novo National Botanical Garden: ZMA: 1 [1 - **1** - **1**].
21 December 2000: Benin: Porto Novo National Botanical Garden: ZMA: 3 [3 - **3** - **3**].
2 November 2012: Congo: Pointe-Noire: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Bergmans, Wim: 326

Bergmans, Wim; Bergmans, E.

17 September 1979: Kenya: Diani Forest: ZMA: 1 [1 - **1** - **1**].
1 October 1979: Kenya: Watamu: ZMA: 1 [1 - **1** - **1**].

2 October 1979: Kenya: Watamu: ZMA: 8 [8 - **8** - **8**].
3 October 1979: Kenya: Watamu: ZMA: 5 [5 - **5** - **5**].
4 October 1979: Kenya: Watamu: ZMA: 5 [5 - **5** - **5**].
5 October 1979: Kenya: Sokoke Forest: ZMA: 3 [3 - **3** - **3**].
6 October 1979: Kenya: Arabuko-Sokoke Forest: ZMA: 1 [1] - Watamu: ZMA: 3 [3 - **4** - **4**].
7 October 1979: Kenya: Watamu: ZMA: 7 [7 - **7** - **7**].
8 October 1979: Kenya: Sokoke Forest: ZMA: 6 [6 - **6** - **6**].
10 October 1979: Kenya: Arabuko-Sokoke Forest: ZMA: 1 [1] - Sokoke Forest: ZMA: 2 [2 - **3** - **3**].
11 October 1979: Kenya: Arabuko-Sokoke Forest: ZMA: 1 [1] - Sokoke Forest: ZMA: 8 [8 - **9** - **9**].
12 October 1979: Kenya: Arabuko-Sokoke Forest: ZMA: 2 [2 - **2** - **2**].
14 October 1979: Kenya: Sokoke Forest: ZMA: 2 [2 - **2** - **2**].
16 October 1979: Kenya: Makandara Forest: ZMA: 4 [4 - **4** - **4**].
17 October 1979: Kenya: Diani Forest: ZMA: 6 [6] - Makandara Forest: ZMA: 2 [2 - **8** - **8**].
18 October 1979: Kenya: Diani Forest: ZMA: 1 [1 - **1** - **1**].
19 October 1979: Kenya: Diani Forest: ZMA: 5 [5] - Tiwi Beach: ZMA: 11 [11 - **16** - **16**].
20 October 1979: Kenya: Tiwi Beach: ZMA: 7 [7 - **7** - **7**].
23 October 1979: Kenya: Diani: ZMA: 1 [1] - Tiwi Beach: ZMA: 2 [2 - **3** - **3**].
24 October 1979: Kenya: Makandara Forest: ZMA: 1 [1] - Shimba Hills: ZMA: 2 [2 - **3** - **3**].
25 October 1979: Kenya: Makandara Forest: ZMA: 5 [5] - Shimba Hills: ZMA: 1 [1] - Shimba Hills: ZMA: 1 [1 - **7** - **7**].
26 October 1979: Kenya: Kwale: ZMA: 15 [15] - Makandara Forest: ZMA: 4 [4] - Mukanda river: ZMA: 3 [3] - Tiwi Beach: ZMA: 1 [1 - **23** - **23**].
27 October 1979: Kenya: Kwale: ZMA: 7 [7 - **7** - **7**].
29 October 1979: Kenya: Lion Hill: ZMA: 4 [4 - **4** - **4**].
30 October 1979: Kenya: Lion Hill: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Bergmans, Wim; Bergmans, E.: 141

Bergmans, Wim; Collard

26 January 1955: Congo (Democratic Republic of the): Kasuo cave Kabwe ka: RMCA: 3 [3] - Kibwe Lya Mikako cave: RMCA: 6 [6 - **9** - **9**].

Total Specimens for Bergmans, Wim; Collard: 9

Bergmans, Wim; Meier, Florian

26 January 1993: Cameroon: Lomié: ZMA: 1 [1 - **1** - **1**].
31 January 1993: Cameroon: Lomié: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Bergmans, Wim; Meier, Florian: 2

Bernard

22 May 1963: Kenya: Garissa: USNM: 4 [4 - **4** - **4**].
7 June 1963: Kenya: Isiolo: USNM: 16 [16 - **16** - **16**].
19 June 1963: Kenya: Isiolo: ROM: 2, USNM: 1 [3 - **3** - **3**].
7 July 1963: Kenya: Isiala: USNM: 8 [8] - Isiolo: ROM: 4, USNM: 2 [6 - **14** - **14**].
22 July 1963: Kenya: Isiolo: USNM: 1 [1 - **1** - **1**].
23 July 1963: Kenya: Isiolo: ROM: 2 [2 - **2** - **2**].
25 July 1963: Kenya: Isiolo: ROM: 1 [1 - **1** - **1**].
26 July 1963: Kenya: Isiolo: ROM: 1 [1 - **1** - **1**].
19 August 1963: Kenya: Kilifi: USNM: 1 [1 - **1** - **1**].

Total Specimens for Bernard: 43

Bernard, Ric T.F.

15 December 1965: Tunisia: Djebel Besass: RMCA: 1 [1 - **1** - **1**].
5 March 1976: South Africa: Pietermaritzburg, 20 km ENE: AMNH: 2 [2 - **2** - **2**].
14 April 1976: South Africa: Pietermaritzburg, 20 km ENE: AMNH: 3 [3 - **3** - **3**].
30 May 1976: South Africa: Pietermaritzburg, 20 km ENE: AMNH: 1 [1 - **1** - **1**].
23 January 1977: South Africa: Town Bush Valley, Town Bush Cave: AMNH: 2 [2 - **2** - **2**].
6 February 1977: South Africa: Pietermaritzburg, 20 km ENE: AMNH: 1 [1 - **1** - **1**].
21 February 1977: South Africa: Pietermaritzburg, 18 km N: AMNH: 1 [1 - **1** - **1**].
24 February 1977: South Africa: Pietermaritzburg, 20 km ENE: AMNH: 1 [1 - **1** - **1**].
22 March 1977: South Africa: Town Bush Valley, Town Bush Cave: AMNH: 1 [1 - **1** - **1**].
8 May 1977: South Africa: Pietermaritzburg, 20 km ENE: AMNH: 1 [1 - **1** - **1**].
22 June 1977: South Africa: Pietermaritzburg, 20 km ENE: AMNH: 1 [1 - **1** - **1**].
2 August 1977: South Africa: Pietermaritzburg, 20 km ENE: AMNH: 1 [1 - **1** - **1**].
26 February 1979: South Africa: Pietermaritzburg, 20 km ENE: AMNH: 1 [1 - **1** - **1**].
3 April 1979: South Africa: Pietermaritzburg, 20 km ENE: AMNH: 1 [1 - **1** - **1**].
23 February 1981: South Africa: Scottsville: TM: 1 [1 - **1** - **1**].

Total Specimens for Bernard, Ric T.F.: 19

Beron, Petar

Collection Date Unknown: Nigeria: Unknown locality: ZMA: 5 [5] - Jos: ZMA: 80 [80] - Makurdi: ZMA: 2 [2 - **87** - **87**].
11 October 1976: Nigeria: Jos: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Beron, Petar: 88

Berry, G.W.

Collection Date Unknown: Somalia: Burao: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Berry, G.W.: 1

Berry, V.

13 February 1998: South Africa: Christian Brothers College: TM: 1 [1 - **1** - **1**].

Total Specimens for Berry, V.: 1

Berti, Carolina

Collection Date Unknown: Uganda: Entebbe: RMCA: 1, ZMB: 2 [3 - **3** - **3**].
1 January 1907: Uganda: Entebbe: RMCA: 4 [4 - **4** - **4**].
25 February 1908: Uganda: Entebbe: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Berti, Carolina: 8

Betts, A.; Mumford, Russell E.

1 July 1960: South Sudan: Nimule: ROM: 1 [1 - **1** - **1**].

Total Specimens for Betts, A.; Mumford, Russell E.: 1

Betu Nsankulu

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1] - Kasai: RMCA: 3 [3 - **4** - **4**].
18 November 1970: Congo (Democratic Republic of the): Tshibasha: RMCA: 6 [6 - **6** - **6**].
18 March 1975: Congo (Democratic Republic of the): Mudina Ndemba: RMCA: 6 [6 - **6** - **6**].
23 March 1975: Congo (Democratic Republic of the): Tshimputu: RMCA: 1 [1 - **1** - **1**].
23 May 1975: Congo (Democratic Republic of the): Tshimputu: RMCA: 3 [3 - **3** - **3**].
1 February 1976: Congo (Democratic Republic of the): Tshibashi: RMCA: 1 [1 - **1** - **1**].
27 February 1976: Congo (Democratic Republic of the): Tshibashi: RMCA: 5 [5 - **5** - **5**].
30 April 1976: Congo (Democratic Republic of the): Lulua: RMCA: 3 [3 - **3** - **3**].
2 May 1976: Congo (Democratic Republic of the): Lulua: RMCA: 3 [3 - **3** - **3**].
28 March 1977: Congo (Democratic Republic of the): Ndemba: RMCA: 2 [2 - **2** - **2**].
24 April 1978: Congo (Democratic Republic of the): Ba Balaye: RMCA: 1 [1 - **1** - **1**].
17 August 1978: Congo (Democratic Republic of the): Kinda: RMCA: 2 [2 - **2** - **2**].
23 August 1978: Congo (Democratic Republic of the): Bene Longo: RMCA: 2 [2 - **2** - **2**].
9 September 1978: Congo (Democratic Republic of the): Bakwakenge: RMCA: 1 [1 - **1** - **1**].
7 October 1978: Congo (Democratic Republic of the): Lukonga: RMCA: 2 [2 - **2** - **2**].
27 November 1978: Congo (Democratic Republic of the): Tshibungu: RMCA: 1 [1 - **1** - **1**].
2 April 1979: Congo (Democratic Republic of the): Kamueshi: RMCA: 1 [1 - **1** - **1**].
3 April 1979: Congo (Democratic Republic of the): Kamueshi: RMCA: 3 [3 - **3** - **3**].
5 April 1979: Congo (Democratic Republic of the): Kamueshi: RMCA: 1 [1 - **1** - **1**].
10 April 1979: Congo (Democratic Republic of the): Katabayi: RMCA: 1 [1 - **1** - **1**].
18 April 1979: Congo (Democratic Republic of the): Biakabomba: RMCA: 1 [1] - Mukwaya: RMCA: 1 [1 - **2** - **2**].
24 April 1979: Congo (Democratic Republic of the): Biakabomba: RMCA: 4 [4 - **4** - **4**].
20 May 1979: Congo (Democratic Republic of the): Mukwaya: RMCA: 3 [3 - **3** - **3**].
22 May 1979: Congo (Democratic Republic of the): Mukwaya: RMCA: 1 [1 - **1** - **1**].
27 May 1979: Congo (Democratic Republic of the): Mbawu: RMCA: 3 [3 - **3** - **3**].
2 August 1979: Congo (Democratic Republic of the): Lukonga: RMCA: 2 [2 - **2** - **2**].
6 August 1979: Congo (Democratic Republic of the): Lukonga: RMCA: 3 [3 - **3** - **3**].
20 August 1979: Congo (Democratic Republic of the): Bakwakenge: RMCA: 1 [1 - **1** - **1**].
12 October 1979: Congo (Democratic Republic of the): Bakwakenge: RMCA: 3 [3] - Bene Longo: RMCA: 1 [1 - **4** - **4**].
3 February 1980: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1] - Bakwakenge: RMCA: 1 [1 - **2** - **2**].
18 February 1980: Congo (Democratic Republic of the): Beyi - Kalonji: RMCA: 1 [1 - **1** - **1**].
22 February 1980: Congo (Democratic Republic of the): Beyi - Kalonji: RMCA: 2 [2 - **2** - **2**].
23 June 1980: Congo (Democratic Republic of the): Dimbelenge: RMCA: 1 [1 - **1** - **1**].
27 June 1980: Congo (Democratic Republic of the): Dimbelenge: RMCA: 3 [3 - **3** - **3**].
28 June 1980: Congo (Democratic Republic of the): Dimbelenge: RMCA: 2 [2 - **2** - **2**].
25 February 1981: Congo (Democratic Republic of the): Lulua: RMCA: 3 [3 - **3** - **3**].
27 February 1981: Congo (Democratic Republic of the): Lulua: RMCA: 3 [3 - **3** - **3**].
13 December 1981: Congo (Democratic Republic of the): Kasai: RMCA: 2 [2] - Kitangua: RMCA: 1 [1 - **3** - **3**].
24 December 1981: Congo (Democratic Republic of the): Kasai: RMCA: 1 [1] - Kitangua: RMCA: 2 [2 - **3** - **3**].
17 January 1982: Congo (Democratic Republic of the): Kasai: RMCA: 3 [3] - Mungamba: RMCA: 1 [1 - **4** - **4**].

22 January 1982: Congo (Democratic Republic of the): Kasai: RMCA: 1 [1 - **1** - **1**].
10 February 1982: Congo (Democratic Republic of the): Kasai: RMCA: 3 [3 - **3** - **3**].
17 February 1982: Congo (Democratic Republic of the): Kasai: RMCA: 2 [2 - **2** - **2**].
24 February 1982: Congo (Democratic Republic of the): Kasai: RMCA: 1 [1 - **1** - **1**].
13 September 1983: Congo (Democratic Republic of the): Cinputu: RMCA: 2 [2 - **2** - **2**].
14 September 1983: Congo (Democratic Republic of the): Cinputu: RMCA: 2 [2 - **2** - **2**].
19 September 1983: Congo (Democratic Republic of the): Nganza rivier: RMCA: 2 [2] - Tschinputu: RMCA: 1 [1 - **3** - **3**].
20 September 1983: Congo (Democratic Republic of the): Tschinputu: RMCA: 1 [1 - **1** - **1**].
20 December 1983: Congo (Democratic Republic of the): Matamba: RMCA: 6 [6 - **6** - **6**].
22 December 1983: Congo (Democratic Republic of the): Mikalaya: RMCA: 1 [1] - Mikalaya mission: RMCA: 2 [2 - **3** - **3**].
1 January 1984: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1 - **1** - **1**].
12 January 1984: Congo (Democratic Republic of the): Bena Mbala: RMCA: 1 [1 - **1** - **1**].
15 January 1984: Congo (Democratic Republic of the): Bena Mbala: RMCA: 2 [2 - **2** - **2**].
21 February 1984: Congo (Democratic Republic of the): Bena Mbala: RMCA: 2 [2 - **2** - **2**].
25 May 1984: Congo (Democratic Republic of the): Fwa, lake: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Betu Nsankulu: 130

Bey, W.J.

1 May 1906: Egypt: Gizeh: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Bey, W.J.: 1

Bickel

30 January 1912: Tanzania: Kibata: SMNS: 2 [2 - **2** - **2**].

Total Specimens for Bickel: 2

Biedermann

Collection Date Unknown: Djibouti: no specific locality: ZMB: 1 [1 - **1**].
Eritrea: Massaua: ZMB: 2 [2 - **2**].
Ethiopia: Dire Dawa: ZMB: 2 [2 - **2**].
Tanzania: Dar es Salaam: ZMB: 2 [2 - **2** - **7**].

Total Specimens for Biedermann: 7

Bijnens, Luc

Collection Date Unknown: Congo (Democratic Republic of the): Epulu: RMCA: 8 [8] - Maganga: RMCA: 1 [1 - **9** - **9**].
20 March 1988: Congo (Democratic Republic of the): Kisangani: RMCA: 1 [1 - **1** - **1**].
23 May 1988: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Bijnens, Luc: 12

Bijnens, Luc; Janssens, Luc; Stevens, J.

28 September 1985: Comoros: Moroni: RMCA: 3 [3 - **3** - **3**].
29 September 1985: Comoros: Moroni: RMCA: 1 [1 - **1** - **1**].
30 September 1985: Comoros: Moroni: RMCA: 1 [1 - **1** - **1**].
15 October 1985: Comoros: Miringoni: RMCA: 2 [2 - **2** - **2**].
16 October 1985: Comoros: Miringoni: RMCA: 2 [2] - St Antoine: RMCA: 2 [2 - **4** - **4**].
17 October 1985: Comoros: St Antoine: RMCA: 8 [8 - **8** - **8**].
18 October 1985: Comoros: St Antoine: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Bijnens, Luc; Janssens, Luc; Stevens, J.: 22

Bio-Speological Expedition to Algeria (1978), The

27 August 1978: Algeria: Unknown locality: RMNH: 2 [2 - **2** - **2**].

Total Specimens for Bio-Speological Expedition to Algeria (1978), The: 2

Biró, L.

24 February 1903: Tunisia: Tunis: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Biró, L.: 1

Bisthegy

Collection Date Unknown: Equatorial Guinea: Fernando Poo: NMW: 2 [2 - **2** - **2**].

Total Specimens for Bisthegy: 2

Black, Hal L.

Collection Date Unknown: Zambia: Unknown locality: HZM: 1 [1 - **1** - **1**].
28 February 1972: Zambia: Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 17 [17] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 12 [12] - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 1 [1 - **30** - **30**].
1 August 1972: Zambia: Kriel cave: MSB: 3 [3 - **3** - **3**].
2 August 1972: Zambia: Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 2 [2 - **2** - **2**].
7 August 1972: Zambia: Kriel cave: MSB: 4 [4 - **4** - **4**].
30 August 1972: Zambia: Kriel cave: MSB: 31 [31] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 4 [4 - **35** - **35**].
4 September 1972: Zambia: Chipongwe Cave: MSB: 22 [22 - **22** - **22**].
18 September 1972: Zambia: Kriel cave: MSB: 5 [5 - **5** - **5**].
25 September 1972: Zambia: Kriel cave: MSB: 4 [4] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 3 [3 - **7** - **7**].
30 September 1972: Zambia: Kriel cave: MSB: 10 [10] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 1 [1 - **11** - **11**].
5 October 1972: Zambia: Kriel cave: MSB: 1 [1 - **1** - **1**].
15 October 1972: Zambia: Kriel cave: MSB: 11 [11] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 1 [1 - **12** - **12**].
18 October 1972: Zambia: Chipongwe Cave: MSB: 8 [8 - **8** - **8**].
5 December 1972: Zambia: Kriel cave: MSB: 8 [8 - **8** - **8**].
12 December 1972: Zambia: Kriel cave: MSB: 1 [1 - **1** - **1**].
15 December 1972: Zambia: Kriel cave: MSB: 1 [1 - **1** - **1**].
29 December 1972: Zambia: Kriel cave: MSB: 1 [1 - **1** - **1**].
19 February 1973: Zambia: Kriel cave: MSB: 3 [3 - **3** - **3**].
10 March 1973: Zambia: Kabulonga: HZM: 1 [1 - **1** - **1**].
14 March 1973: Zambia: Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 4 [4] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 10 [10 - **14** - **14**].
23 March 1973: Zambia: Chipongwe Cave: MSB: 18 [18 - **18** - **18**].
26 March 1973: Zambia: Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 18 [18] - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 4 [4 - **22** - **22**].
30 March 1973: Zambia: Lusake, 6 mi NE: HZM: 4 [4 - **4** - **4**].
1 April 1973: Zambia: Lusake, 6 mi NE: HZM: 1 [1 - **1** - **1**].
2 April 1973: Zambia: Lusake, 6 mi NE: HZM: 1 [1 - **1** - **1**].
4 May 1973: Zambia: Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 18 [18] - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 36 [36 - **54** - **54**].
14 May 1973: Zambia: Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 3 [3 - **3** - **3**].
26 May 1973: Zambia: Ngwerere cave: NMZL: 1 [1 - **1** - **1**].
8 June 1973: Zambia: Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 28 [28 - **28** - **28**].
7 July 1973: Zambia: Kriel cave: MSB: 1 [1] - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 34 [34 - **35** - **35**].
2 August 1973: Zambia: Kriel cave: MSB: 1 [1] - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 8 [8 - **9** - **9**].
22 August 1973: Zambia: Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 2 [2 - **2** - **2**].
30 August 1973: Zambia: Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: MSB: 5 [5 - **5** - **5**].
10 September 1973: Zambia: Kriel cave: MSB: 1 [1 - **1** - **1**].
20 September 1973: Zambia: Kriel cave: MSB: 9 [9 - **9** - **9**].
11 October 1973: Zambia: Kalabo: MSB: 1 [1 - **1** - **1**].
12 October 1973: Zambia: Kriel cave: MSB: 11 [11 - **11** - **11**].
26 October 1973: Zambia: Kriel cave: MSB: 6 [6 - **6** - **6**].
12 November 1973: Zambia: Kriel cave: MSB: 4 [4 - **4** - **4**].
19 November 1973: Zambia: Kriel cave: MSB: 13 [13 - **13** - **13**].
22 November 1973: Zambia: Chelston, 2 mi [=3.2 km] N: MSB: 2 [2 - **2** - **2**].
24 November 1973: Zambia: Chelston, 2 mi [=3.2 km] N: MSB: 2 [2] - Kriel cave: MSB: 4 [4 - **6** - **6**].
4 December 1973: Zambia: Kriel cave: MSB: 32 [32 - **32** - **32**].
14 December 1973: Zambia: Kriel cave: MSB: 35 [35 - **35** - **35**].
22 December 1973: Zambia: Kriel cave: MSB: 50 [50 - **50** - **50**].
28 December 1973: Zambia: Kriel cave: MSB: 33 [33 - **33** - **33**].
3 January 1974: Zambia: Kriel cave: MSB: 60 [60 - **60** - **60**].
11 January 1974: Zambia: Kriel cave: MSB: 20 [20 - **20** - **20**].
22 January 1974: Zambia: Kriel cave: MSB: 1 [1 - **1** - **1**].
24 January 1974: Zambia: Kriel cave: MSB: 40 [40 - **40** - **40**].

Total Specimens for Black, Hal L.: 677

Blagden, H.H.

18 June 1960: Kenya: Ijara, 2.5 mi SW: AMNH: 1 [1 - **1** - **1**].
22 June 1960: Kenya: Masabubu, 0.5 mi E: AMNH: 7 [7 - **7** - **7**].
23 June 1960: Kenya: Masabubu, 0.5 mi E: AMNH: 5 [5] - Masabubu, 1.5 mi E: CM: 1 [1 - **6** - **6**].
24 June 1960: Kenya: Masabubu, 0.5 mi E: AMNH: 6 [6 - **6** - **6**].
28 June 1960: Kenya: Masabubu: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Blagden, H.H.: 21

Blanc, G.

Collection Date Unknown: Tunisia: Therma: NRM: 2 [2 - **2** - **2**].

Total Specimens for Blanc, G.: 2

Blancou, Lucien

10 January 1933: Central African Republic: Bozoum: AMNH: 1 [1 - **1** - **1**].
3 November 1965: Niger: Niamey: MNHN: 1 [1 - **1** - **1**].
9 November 1965: Niger: Niamey: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Blancou, Lucien: 3

Blasius, Johan Heinrich
(7 October 1809: Nümbrecht-Eckenbach - 26 May 1870: Braunschweig)

Collection Date Unknown: Italy: "Italy": ZMB: 1 [1 - **1** - **1**].

Total Specimens for Blasius, Johan Heinrich: 1

Blazer, brothers

Collection Date Unknown: Angola: Canzele: RMNH: 1 [1 - **1**].
Mozambique: Unknown locality: RMNH: 1 [1 - **1** - **2**].
30 September 1930: Angola: Benguela: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Blazer, brothers: 3

Bloess

Collection Date Unknown: Benin: Groß-Popo [= Grand-Popo]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Bloess: 1

Blommers-Schlösser, Rose Marie Antoinette
(1944 -)

1 July 1972: Madagascar: Tamatave: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Blommers-Schlösser, Rose Marie Antoinette: 1

Blommers-Schlösser, Rose Marie Antoinette; Blommers, L.

11 March 1971: Madagascar: Tuléar: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Blommers-Schlösser, Rose Marie Antoinette; Blommers, L.: 1

Bluntschli, Hans Georg Hermann
(19 February 1877: Frankfurt am Main - 13 July 1962: Bern)

Collection Date Unknown: Madagascar: Unknown locality: SMF: 1 [1] - Amboasary: ZMB: 2 [2] - Ramara: ZMB: 1 [1] - Tampina: ZMB: 1 [1 - **5** - **5**].
1 January 1931: Madagascar: Tampina: AMNH: 7 [7 - **7** - **7**].
1 June 1931: Madagascar: Tampina: AMNH: 6 [6 - **6** - **6**].
5 June 1931: Madagascar: Tampina: AMNH: 1 [1 - **1** - **1**].
18 June 1931: Madagascar: Tampina: AMNH: 9 [9 - **9** - **9**].
16 November 1931: Madagascar: Amboasary: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Bluntschli, Hans Georg Hermann: 29

Boakye, A.K.

Collection Date Unknown: Ghana: Unknown locality: ROM: 1 [1 - **1** - **1**].
1 January 1973: Ghana: Unknown locality: ROM: 2 [2 - **2** - **2**].
13 July 1973: Ghana: Kumasi: ROM: 1 [1 - **1** - **1**].
20 July 1973: Ghana: Kumasi: ROM: 1 [1 - **1** - **1**].
26 July 1973: Ghana: Kumasi: ROM: 1 [1 - **1** - **1**].
29 July 1973: Ghana: Kumasi: ROM: 1 [1 - **1** - **1**].
31 July 1973: Ghana: Kumasi: ROM: 1 [1 - **1** - **1**].
31 August 1973: Ghana: Mampong: ROM: 1 [1 - **1** - **1**].
18 October 1973: Ghana: Akrokyere: ROM: 11 [11] - Mampong: ROM: 6 [6 - **17** - **17**].
23 October 1973: Ghana: Akropong: ROM: 13 [13 - **13** - **13**].
30 October 1973: Ghana: Mpraeso: ROM: 13 [13 - **13** - **13**].

2 November 1973: Ghana: New Edubiase: ROM: 15 [15 - **15** - **15**].
10 November 1973: Ghana: Kumasi Agricultural Station: ROM: 1 [1] - New Edubiase: ROM: 12 [12 - **13** - **13**].
14 June 1974: Ghana: Yanfori: ROM: 1 [1 - **1** - **1**].

Total Specimens for Boakye, A.K.: 81

Bocage, José Vicente Barboza du
(2 May 1823: Madeira - 3 November 1907)

Collection Date Unknown: Angola: Benguela: MZUF: 1 [1] - Duque de Bragança [=Calandula]: ZMB: 1 [1] - Humbe: ZMB: 1 [1] - Loango: ZMB: 1 [1 - **4**].
Guinea-Bissau: Bissau [island]: ZMB: 1 [1 - **1** - **5**].

Total Specimens for Bocage, José Vicente Barboza du: 5

Bodemeyer

Collection Date Unknown: Tunisia: Kaphza [=Gafsa]: ZMB: 2 [2] - Kaphza [=Gafsa], cave near: ZMB: 2 [2 - **4** - **4**].

Total Specimens for Bodemeyer: 4

Boesneck, J.

18 October 1977: Botswana: Drotsky's [= Drodsky] Caves: SMF: 87 [87 - **87** - **87**].

Total Specimens for Boesneck, J.: 87

Boettcher, John W.

20 June 1966: Kenya: Kakamega forest station: WNMU: 1 [1 - **1** - **1**].
17 July 1966: Kenya: Kilifi Creek, head of: WNMU: 1 [1 - **1** - **1**].

Total Specimens for Boettcher, John W.: 2

Böhm, Richard
(1 October 1854: Berlin - 1884)

Collection Date Unknown: Congo (Democratic Republic of the): Marungu: ZMB: 1 [1 - **1**].
Tanzania: Marungu: ZMB: 5 [5 - **5**].
Uganda: Gonda: ZMB: 6 [6 - **6** - **12**].

Total Specimens for Böhm, Richard: 12

Böhme, Wolfgang

12 December 1975: Senegal: Diattacounda: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for Böhme, Wolfgang: 2

Böhme, Wolfgang; *et al.*

12 December 1975: Senegal: Diattacounda: ZFMK: 25 [25 - **25** - **25**].
23 December 1975: Senegal: Diattacounda: ZFMK: 2 [2 - **2** - **2**].
25 December 1975: Senegal: Diattacounda: ZFMK: 1 [1 - **1** - **1**].
1 July 1977: Senegal: Bandia: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for Böhme, Wolfgang; *et al.*: 31

Böhme, Wolfgang; Hartwig

8 February 1974: Cameroon: Waza, 35 km N: ZFMK: 2 [2 - **2** - **2**].
9 February 1974: Cameroon: Waza, 35 km N: ZFMK: 17 [17 - **17** - **17**].
11 February 1974: Cameroon: Waza: ZFMK: 5 [5 - **5** - **5**].
12 February 1974: Cameroon: Waza: ZFMK: 12 [12 - **12** - **12**].

Total Specimens for Böhme, Wolfgang; Hartwig: 36

Bohndorff

Collection Date Unknown: "Africa": Niamniam: ZMB: 1 [1 - **1**].
Congo (Democratic Republic of the): Semmio: ZMB: 3 [3 - **3**].
Tanzania: Korogwe: ZMB: 1 [1 - **1** - **5**].
28 February 1883: Congo (Democratic Republic of the): Semmio: RMNH: 1 [1 - **1** - **1**].
1 January 1884: Congo (Democratic Republic of the): Semmio: RMNH: 1 [1 - **1** - **1**].

17 June 1884: Congo (Democratic Republic of the): Niam-Niam: RBINS: 3 [3 - **3** - **3**].

Total Specimens for Bohndorff: 10

Bojer, W.

Collection Date Unknown: Tanzania: Mafia: NMW: 1 [1 - **1** - **1**].

Total Specimens for Bojer, W.: 1

Bolt, J.

6 August 1967: South Africa: Pretoria, 6 mi [= 9.6 km] W: ROM: 1 [1 - **1** - **1**].

Total Specimens for Bolt, J.: 1

Bomans, H.

Collection Date Unknown: Congo (Democratic Republic of the): Albertville: RMCA: 14 [14] - Costermansville: RMCA: 1 [1] - Moba: BMNH: 1 [1 - **16** - **16**].
19 November 1953: Congo (Democratic Republic of the): Moba: BMNH: 1, RMCA: 1 [2 - **2** - **2**].
26 November 1953: Congo (Democratic Republic of the): Moba: RMCA: 1 [1 - **1** - **1**].
12 December 1953: Congo (Democratic Republic of the): Baudouinville: RMCA: 1 [1 - **1** - **1**].
16 January 1954: Congo (Democratic Republic of the): Kikango: RMCA: 1 [1 - **1** - **1**].
29 January 1954: Congo (Democratic Republic of the): Moba: RMCA: 1 [1 - **1** - **1**].
6 February 1954: Congo (Democratic Republic of the): Moba: RMCA: 1 [1 - **1** - **1**].
26 February 1954: Congo (Democratic Republic of the): Moba: RMCA: 1 [1 - **1** - **1**].
23 April 1954: Congo (Democratic Republic of the): Albertville-Moba: RMCA: 1 [1] - Moba: RMCA: 2 [2 - **3** - **3**].

Total Specimens for Bomans, H.: 27

Bona, F.

Collection Date Unknown: Sudan: Wadi Halfa: MHNG: 3 [3 - **3** - **3**].

Total Specimens for Bona, F.: 3

Bonaccorso, Elisa A.

22 October 2007: Ghana: Gbele Resource Reserve: KU: 2 [2 - **2** - **2**].

Total Specimens for Bonaccorso, Elisa A.: 2

Bonaparte, Charles Lucien (Carlo) Jules Laurent
(24 May 1803: Paris - 29 July 1857: Paris)

Collection Date Unknown: Italy: Pisa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Bonaparte, Charles Lucien (Carlo) Jules Laurent: 1

Boncard, A.

Collection Date Unknown: South Africa: "Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Boncard, A.: 1

Bonhote, John James Lewis
(1875: London - 1922)

1 March 1914: Egypt: Aburoash: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Bonhote, John James Lewis: 1

Bonhote, John James Lewis; Flower, Stanley Smyth

Collection Date Unknown: Egypt: Gizeh: BMNH: 1 [1 - **1** - **1**].
3 March 1909: Egypt: Abu Rawash: BMNH: 1 [1 - **1** - **1**].
13 March 1909: Egypt: Lake Moeris: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Bonhote, John James Lewis; Flower, Stanley Smyth: 3

Bonnevie

Collection Date Unknown: Congo (Democratic Republic of the): Beni: RMCA: 6 [6] - Lesse: RMCA: 1 [1 - **7** - **7**].

4 November 1913: Congo (Democratic Republic of the): Lesse: RMCA: 3 [3 - **3** - **3**].
2 June 1914: Congo (Democratic Republic of the): Beni: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Bonnevie: 11

Booth, Angus H.

Collection Date Unknown: Ghana: Unknown locality: BMNH: 2 [2] - Akeniem: BMNH: 3 [3 - **5** - **5**].
15 April 1954: Ghana: Akeniem: BMNH: 1 [1 - **1** - **1**].
19 July 1954: Ghana: Akeniem: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Booth, Angus H.: 7

Boshoff, P.

11 February 1989: South Africa: Farm Klipfontein 407, Echo caves: TM: 8 [8 - **8** - **8**].

Total Specimens for Boshoff, P.: 8

Botha, K.

20 February 1983: South Africa: Mahlangeni: KNP: 1 [1 - **1** - **1**].

Total Specimens for Botha, K.: 1

Botswana Mammal Survey

9 July 1965: Botswana: Chobe NP, Kasane: USNM: 3 [3 - **3** - **3**].
30 November 1965: Botswana: Chobe NP, Kasane: USNM: 2 [2 - **2** - **2**].
3 December 1965: Botswana: Chobe NP, Kasane: USNM: 1 [1 - **1** - **1**].
9 December 1965: Botswana: Chobe NP, Kasane: USNM: 2 [2 - **2** - **2**].
11 December 1965: Botswana: Chobe NP, Kasane: USNM: 3 [3 - **3** - **3**].
10 November 1966: Botswana: Chobe NP, Kasane: USNM: 1 [1 - **1** - **1**].

Total Specimens for Botswana Mammal Survey: 12

Botta, Paolo Emilio
(1802 - 1870)

1 January 1837: Sudan: Sennar: RMNH: 1 [1 - **1**].
Yemen: no specific locality: MNHN: 1 [1 - **1** - **2**].

Total Specimens for Botta, Paolo Emilio: 2

Böttcher

Collection Date Unknown: Cameroon: Victoria: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Böttcher: 1

Bottego, Vittorio
(29 July 1860: Parma - 17 March 1897: Daga Roba)

Collection Date Unknown: Somalia: Pozzi Meddo Erelle: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Bottego, Vittorio: 1

Boucard, Adolphe
(1839: France - 15 March 1905: Hampstead)

Collection Date Unknown: Réunion: Bourbon, île [=Réunion]: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Boucard, Adolphe: 2

Bouet

21 May 1910: Benin: Agouagon: MNHN: 1 [1 - **1** - **1**].
12 August 1910: Benin: Agouagou: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Bouet: 2

Bouillon, A.

Collection Date Unknown: Congo: Unknown locality: RMNH: 5 [5 - **5** - **5**].

11 July 1953: Congo (Democratic Republic of the): Kalenda [Kasai]: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Bouillon, A.: 6

Boulton, Rudyerd

21 June 1934: Cameroon: Buéa: FMNH: 2 [2] - Mount Cameroon: FMNH: 3 [3 - **5** - **5**].
2 July 1934: Cameroon: Buéa: FMNH: 3 [3] - Mount Cameroon: FMNH: 10 [10 - **13** - **13**].
15 July 1934: Cameroon: Buea: USNM: 1 [1] - Buéa: FMNH: 8 [8 - **9** - **9**].
5 August 1934: Nigeria: Ifon: FMNH: 2 [2 - **2** - **2**].
6 August 1934: Nigeria: Ifon: FMNH: 3 [3 - **3** - **3**].
7 August 1934: Nigeria: Ifon: FMNH: 3 [3 - **3** - **3**].
8 August 1934: Nigeria: Ifon: FMNH: 6 [6 - **6** - **6**].

Total Specimens for Boulton, Rudyerd: 41

Boulton, Rudyerd; Boulton, Laura

2 June 1929: Tanzania: Rungwe District: AMNH: 2 [2 - **2** - **2**].
6 June 1929: Tanzania: Rungwe District: AMNH: 3 [3 - **3** - **3**].
7 June 1929: Tanzania: Rungwe District: AMNH: 2 [2 - **2** - **2**].
11 June 1929: Tanzania: Rungwe District: AMNH: 9 [9 - **9** - **9**].
16 June 1929: Tanzania: Rungwe District: AMNH: 10 [10 - **10** - **10**].
18 June 1929: Tanzania: Rungwe District: AMNH: 22 [22 - **22** - **22**].
24 November 1929: Zimbabwe: Selinda, mount: CM: 3, MCZ: 2 [5 - **5** - **5**].
26 November 1929: Zimbabwe: Selinda, mount: CM: 6 [6 - **6** - **6**].
3 January 1931: Angola: Gauca river: CM: 1 [1 - **1** - **1**].
4 January 1931: Angola: Gauca river: CM: 2 [2 - **2** - **2**].
12 January 1931: Angola: Chitau: CM: 1 [1 - **1** - **1**].
17 January 1931: Angola: Chitau: CM: 1 [1 - **1** - **1**].
8 August 1934: Nigeria: Ifon: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Boulton, Rudyerd; Boulton, Laura: 65

Bourquin, O.

12 December 1980: South Africa: Shore Nature Reserve: TM: 1 [1 - **1** - **1**].
31 December 1983: South Africa: Howick: TM: 1 [1 - **1** - **1**].
9 October 1985: South Africa: Weenen Nature Reserve: TM: 1 [1 - **1** - **1**].
19 January 1986: South Africa: Weston Agricultural College: TM: 1 [1 - **1** - **1**].
21 January 1987: South Africa: Lions River: TM: 1 [1 - **1** - **1**].

Total Specimens for Bourquin, O.: 5

Bouvier

Collection Date Unknown: Congo (Democratic Republic of the): Luputa: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Bouvier: 1

Bovone, E.

Collection Date Unknown: Somalia: El-Bur: MSNM: 1 [1 - **1** - **1**].

Total Specimens for Bovone, E.: 1

Bowden, G.; Sayer, J.A.

12 May 1971: Zambia: between Livingstone and Lochinvar: NMZL: 1 [1 - **1** - **1**].

Total Specimens for Bowden, G.; Sayer, J.A.: 1

Bowe, W.W.

6 December 1923: Sudan: Wad Medani: ROM: 1 [1 - **1** - **1**].

Total Specimens for Bowe, W.W.: 1

Bowens, E.

Collection Date Unknown: Equatorial Guinea: Bioko Island: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Bowens, E.: 1

Braack, L.E.O.

10 February 1988: South Africa: Tshokwane picnic spot, 12 km E: TM: 2 [2 - **2** - **2**].
27 May 1988: South Africa: Kruger Gate bridge: TM: 1 [1 - **1** - **1**].

Total Specimens for Braack, L.E.O.: 3

Braack, L.E.O.; Espie, Ian W.

24 August 1985: South Africa: Xirimantanga: KNP: 1 [1 - **1** - **1**].

Total Specimens for Braack, L.E.O.; Espie, Ian W.: 1

Braby, R.

28 January 1988: Namibia: Hoanib R., floodplain: SMW: 4 [4 - **4** - **4**].

Total Specimens for Braby, R.: 4

Bradbury, Jack W.

Collection Date Unknown: Gabon: CNRS Lek: CUMV: 1 [1] - Makob: CUMV: 1 [1 - **2** - **2**].
22 June 1970: Gabon: Makokou: CUMV: 1 [1 - **1** - **1**].
1 July 1970: Gabon: Makokou: CUMV: 3 [3 - **3** - **3**].
6 July 1970: Gabon: Makokou: AMNH: 1 [1 - **1** - **1**].
14 July 1970: Gabon: Mvadi, near: AMNH: 2 [2 - **2** - **2**].
1 July 1971: Gabon: Ipassa: CUMV: 1 [1] - Makokou: CUMV: 2 [2 - **3** - **3**].
1 August 1971: Gabon: Bateke Plateau: CUMV: 1 [1 - **1** - **1**].
3 August 1971: Gabon: Makob: CUMV: 3 [3 - **3** - **3**].
15 August 1971: Gabon: Edzameyen: CUMV: 2 [2 - **2** - **2**].
29 August 1971: Gabon: Bawaka: CUMV: 1 [1 - **1** - **1**].
14 July 1972: Gabon: CNRS Lek: CUMV: 1 [1 - **1** - **1**].
22 July 1972: Gabon: CNRS Lek: CUMV: 1 [1 - **1** - **1**].
29 July 1972: Gabon: CNRS Lek: CUMV: 2 [2 - **2** - **2**].
1 August 1972: Gabon: CNRS Lek: CUMV: 3 [3 - **3** - **3**].
9 August 1972: Gabon: Makob: CUMV: 10 [10 - **10** - **10**].
8 November 1972: Gabon: Ipassa: CUMV: 1 [1 - **1** - **1**].
15 November 1972: Gabon: Ipassa: CUMV: 1 [1 - **1** - **1**].

Total Specimens for Bradbury, Jack W.: 38

Bradfield

23 December 1931: South Africa: Zoetvlei: TM: 1 [1 - **1** - **1**].

Total Specimens for Bradfield: 1

Bradfield, R.D.
(1882 - 1949)

Collection Date Unknown: Namibia: Quickborn: TM: 1 [1 - **1** - **1**].
17 October 1922: Namibia: Quickborn: TM: 1 [1 - **1** - **1**].
1 November 1922: Namibia: Quickborn: TM: 1 [1 - **1** - **1**].

Total Specimens for Bradfield, R.D.: 3

Bradley, J.C.

1 March 1949: Uganda: Ngora: CUMV: 1 [1 - **1** - **1**].

Total Specimens for Bradley, J.C.: 1

Bradley, Lee S.

Collection Date Unknown: Angola: Unknown locality: AMNH: 1 [1 - **1** - **1**].
23 November 1932: Angola: Humpata: AMNH: 1 [1 - **1** - **1**].
24 November 1932: Angola: Humpata: AMNH: 1 [1 - **1** - **1**].
9 February 1933: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].
11 February 1933: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].
12 February 1933: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].
13 February 1933: Angola: Chitau: AMNH: 4 [4 - **4** - **4**].
14 February 1933: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].
16 February 1933: Angola: Chitau: AMNH: 6 [6 - **6** - **6**].
17 February 1933: Angola: Chitau: AMNH: 5 [5 - **5** - **5**].
21 February 1933: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].

27 February 1933: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].
2 March 1933: Angola: Chitau: AMNH: 5 [5 - **5** - **5**].
4 March 1933: Angola: Chitau: AMNH: 10 [10 - **10** - **10**].
6 March 1933: Angola: Chitau: AMNH: 9 [9 - **9** - **9**].
7 March 1933: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].
9 March 1933: Angola: Chitau: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Bradley, Lee S.: 51

Bragg, E.

1 January 1974: Sierra Leone: Freetown: USNM: 1 [1 - **1** - **1**].
17 March 1974: Sierra Leone: Freetown: USNM: 1 [1 - **1** - **1**].
25 March 1974: Sierra Leone: Freetown: USNM: 1 [1 - **1** - **1**].
30 April 1974: Sierra Leone: Freetown: USNM: 1 [1 - **1** - **1**].

Total Specimens for Bragg, E.: 4

Brain, C.K.

Collection Date Unknown: South Africa: Sterkfontein caves: TM: 3 [3 - **3** - **3**].
9 October 1956: South Africa: Sterkfontein caves: TM: 1 [1 - **1** - **1**].
23 March 1960: South Africa: Punda Milia Camp: TM: 1 [1 - **1** - **1**].
27 March 1960: South Africa: Punda Milia Camp: TM: 1 [1 - **1** - **1**].
28 March 1961: Zambia: Chilanga Cave: FMNH: 2 [2] - Chilanga-NR, Chilanga Caves: TM: 2 [2 - **4** - **4**].
6 September 1961: Zimbabwe: Manyambara: FMNH: 2 [2 - **2** - **2**].
8 July 1986: South Africa: Kalahari Gemsbok-NP, Kameelsleep: TM: 2 [2 - **2** - **2**].

Total Specimens for Brain, C.K.: 14

Branch, William [="Bill"] R.

15 October 1973: South Africa: on Louis Trichard Road: TM: 1 [1 - **1** - **1**].
7 June 1974: South Africa: on Louis Trichard Road: TM: 1 [1 - **1** - **1**].
17 June 1974: South Africa: on Louis Trichard Road: TM: 3 [3 - **3** - **3**].
8 June 1975: South Africa: 40 km N Polokwane [=Pietersburg], on Louis Trichard Road: TM: 2 [2] - on Louis Trichard Road: TM: 5 [5 - **7** - **7**].

Total Specimens for Branch, William [="Bill"] R.: 12

Brandt

Collection Date Unknown: South Africa: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Brandt: 1

Braun

Collection Date Unknown: Congo (Democratic Republic of the): Shabunda: RMCA: 5 [5 - **5** - **5**].

Total Specimens for Braun: 5

Braune

Collection Date Unknown: South Africa: Port Elisabeth: NMW: 1 [1 - **1** - **1**].

Total Specimens for Braune: 1

Bray, R.S.

1 March 1956: Liberia: Marshall Territory: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Bray, R.S.: 1

Brebner, C.W.

Collection Date Unknown: Madagascar: Vohemar: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Brebner, C.W.: 1

Bredenkamp, H.; Fernsby, Nigel

13 May 2005: South Africa: Farm Klipbanksfontein 607: TM: 1 [1 - **1** - **1**].

Total Specimens for Bredenkamp, H.; Fernsby, Nigel: 1

Bredo, H.J.

Collection Date Unknown: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1] - Irsac labo: ZFMK: 2 [2 - **3**].
Zambia: Abercorn: RBINS: 1 [1 - **1** - **4**].
1 January 1930: Congo (Democratic Republic of the): Elisabethville: ZMA: 1 [1 - **1** - **1**].
20 February 1931: Congo (Democratic Republic of the): Kiamanwa: RMCA: 1 [1 - **1** - **1**].
14 January 1932: Congo (Democratic Republic of the): Dubulu: RMCA: 1 [1 - **1** - **1**].
1 January 1938: Congo (Democratic Republic of the): Kilwa: RMCA: 1 [1 - **1** - **1**].
1 June 1940: Congo (Democratic Republic of the): Musosa, near: RBINS: 1 [1 - **1** - **1**].
1 January 1941: Congo (Democratic Republic of the): Musosa, near: RBINS: 2 [2 - **2** - **2**].
15 May 1941: Zambia: Mweru Wantipa: RBINS: 1 [1 - **1** - **1**].
1 June 1943: Congo (Democratic Republic of the): Musosa, near: RBINS: 1 [1 - **1** - **1**].
6 July 1944: Congo (Democratic Republic of the): Musosa, near: RBINS: 1 [1 - **1** - **1**].
5 February 1948: Zambia: Abercorn: RBINS: 1 [1 - **1** - **1**].
12 July 1949: Tanzania: Rukwa: RBINS: 1 [1 - **1** - **1**].
11 July 1950: Tanzania: Rukwa: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Bredo, H.J.: 17

Brewster, W.

Collection Date Unknown: "Africa": Unknown locality: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Brewster, W.: 1

Breyer, H.G.

Collection Date Unknown: South Africa: Nelspruit: TM: 1 [1] - Transvaal: ZMA: 3 [3 - **4** - **4**].

Total Specimens for Breyer, H.G.: 4

Breytenbach, J.

12 July 1978: South Africa: Saasveld Forestry College: TM: 1 [1 - **1** - **1**].

Total Specimens for Breytenbach, J.: 1

Brien

Collection Date Unknown: Congo (Democratic Republic of the): Bukama: RMCA: 16 [16 - **16** - **16**].
1 June 1937: Congo (Democratic Republic of the): Bukama: RMCA: 1 [1 - **1** - **1**].
1 June 1939: Congo (Democratic Republic of the): Bukama: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Brien: 18

British Museum East Africa Expedition, the

Collection Date Unknown: Tanzania: Tendaguro: BMNH: 2 [2 - **2** - **2**].

Total Specimens for British Museum East Africa Expedition, the: 2

Britton, C.S.

24 March 1897: Kenya: Maungu: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Britton, C.S.: 1

Broadley, D.G.

19 March 1962: Zimbabwe: Umtali Old Mine: HZM: 1 [1 - **1** - **1**].
10 May 1962: Zimbabwe: Umtali: HZM: 1 [1 - **1** - **1**].

Total Specimens for Broadley, D.G.: 2

Brockman, D.

10 January 1909: Ethiopia: Haza Boran: BMNH: 1 [1 - **1** - **1**].

16 June 1915: Somalia: Burao: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Brockman, D.: 2

Brongersma, Leo Daniel
(1907 -)

Collection Date Unknown: Egypt: Unknown locality: RMNH: 1 [1 - **1** - **1**].
21 January 1963: Egypt: Abu Simbel: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Brongersma, Leo Daniel: 2

Bronner, Gary Neil

Collection Date Unknown: South Africa: Hluhluwe Game Reserve, Research camp: TM: 2 [2] - Skukuza, 1.5 km NW: TM: 1 [1 - **3** - **3**].
3 February 1988: South Africa: Mnangadyana Koppie, cave: TM: 4 [4] - Roodevaal Private Camp, 2 km SE: TM: 12 [12 - **16** - **16**].
13 February 1988: South Africa: Skukuza, 1.5 km NW: TM: 6 [6 - **6** - **6**].
14 February 1988: South Africa: Skukuza staff village: TM: 1 [1 - **1** - **1**].
11 March 1988: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
14 March 1988: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
16 March 1988: South Africa: Wakkerstroom: TM: 1 [1 - **1** - **1**].
23 August 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 4 [4 - **4** - **4**].
5 December 1988: South Africa: Cederberg, Algeria State Forest, campsite: TM: 1 [1 - **1** - **1**].
28 November 1989: South Africa: Nylsvlei Nature Reserve: TM: 1 [1 - **1** - **1**].
1 May 1991: South Africa: De Hoek Forest Station: TM: 1 [1] - Zwartkop Military Nature Reserve: TM: 2 [2 - **3** - **3**].
2 May 1991: South Africa: De Hoek Forest Station: TM: 1 [1 - **1** - **1**].
21 April 1992: South Africa: Botha's Hill, Rob Roy Hotel: TM: 4 [4 - **4** - **4**].
23 July 1993: South Africa: Hluhluwe Game Reserve, Research camp: TM: 2 [2 - **2** - **2**].
24 July 1993: South Africa: Hluhluwe Game Reserve, Research camp: TM: 1 [1 - **1** - **1**].
26 July 1993: South Africa: Hazelmere Dam Nature Reserve: TM: 1 [1 - **1** - **1**].
3 August 1993: South Africa: Municipal Bird Sanctuary: TM: 1 [1 - **1** - **1**].
6 August 1993: South Africa: Municipal Bird Sanctuary: TM: 5 [5 - **5** - **5**].
10 November 1994: South Africa: Farm Nooitgedacht 508: TM: 1 [1 - **1** - **1**].
27 January 1995: South Africa: Farm Kaalfontein 261, Ubumanzi Game Farm: TM: 3 [3 - **3** - **3**].
27 March 1995: South Africa: Farm Kaalfontein 261, Ubumanzi Game Farm: TM: 1 [1 - **1** - **1**].
2 May 1995: South Africa: Fountains Valley: TM: 1 [1 - **1** - **1**].
18 August 1995: South Africa: Farm Tygerkloof 354: TM: 12 [12 - **12** - **12**].
21 August 1995: South Africa: Zwartkop cave: TM: 1 [1 - **1** - **1**].
6 February 1996: South Africa: Farm Hilda [=V.L.NR.]: TM: 11 [11] - Farm Regina 68 [=V.L.N.R.]: TM: 1 [1 - **12** - **12**].
7 February 1996: South Africa: Farm Regina 68 [=V.L.N.R.]: TM: 2 [2 - **2** - **2**].
12 February 1996: South Africa: Farm Regina 68 [=V.L.N.R.]: TM: 23 [23 - **23** - **23**].
14 February 1996: South Africa: Farm Luna 61MS [=V.L.N.R.]: TM: 7 [7 - **7** - **7**].

Total Specimens for Bronner, Gary Neil: 116

Bronner, Gary Neil; *et al.*

Collection Date Unknown: South Africa: Dukuduku Forest: TM: 1 [1] - Kosi Lake: TM: 1 [1 - **2** - **2**].
23 August 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 15 [15 - **15** - **15**].
8 October 1988: South Africa: Dukuduku Forest: TM: 1 [1 - **1** - **1**].
21 October 1988: South Africa: Kosi Lake, Department of Health Camp: TM: 1 [1 - **1** - **1**].
18 July 1993: South Africa: Barberton, Municipal Camping Site: TM: 1 [1] - Chambaire Nursery: TM: 2 [2 - **3** - **3**].
3 August 1993: South Africa: Municipal Bird Sanctuary: TM: 13 [13 - **13** - **13**].
4 August 1993: South Africa: Municipal Bird Sanctuary: TM: 1 [1 - **1** - **1**].

Total Specimens for Bronner, Gary Neil; *et al.*: 36

Bronner, Gary Neil; Gerrans, R.

28 March 1988: South Africa: Lapalala Wilderness Area, Weltevreden Research Station, roadside on road to: TM: 1 [1] - Waterberg, Farm Klipfontein 54JS: TM: 17 [17 - **18** - **18**].

Total Specimens for Bronner, Gary Neil; Gerrans, R.: 18

Bronner, Gary Neil; Herholdt

6 February 1991: South Africa: Goegap Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Bronner, Gary Neil; Herholdt: 1

Bronner, Gary Neil; Rautenbach, Ignatius Lourens [=Naas];

5 December 1988: South Africa: Cederberg, Algeria State Forest: TM: 1 [1] - Cederberg, Algeria State Forest, campsite: TM: 1 [1 - **2** - **2**].

Total Specimens for Bronner, Gary Neil; Rautenbach, Ignatius Lourens [=Naas];: 2

Bronner, Gary Neil; van der Merwe, J.

9 April 1988: South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: TM: 3 [3 - **3** - **3**].

Total Specimens for Bronner, Gary Neil; van der Merwe, J.: 3

Bronner, Gary Neil; Weber; Gerrans, R.

30 July 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].
31 July 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 23 [23 - **23** - **23**].

Total Specimens for Bronner, Gary Neil; Weber; Gerrans, R.: 24

Brooks, A.C.

Collection Date Unknown: Uganda: Masindi: BMNH: 1 [1 - **1** - **1**].
18 April 1952: Tanzania: Tenguru: BMNH: 3 [3 - **3** - **3**].
29 December 1952: Tanzania: Bagamoyo: BMNH: 2 [2 - **2** - **2**].
30 January 1953: Tanzania: Banagi: BMNH: 1 [1 - **1** - **1**].
31 January 1953: Tanzania: Banagi: BMNH: 1 [1 - **1** - **1**].
11 February 1953: Tanzania: Banagi: BMNH: 1 [1 - **1** - **1**].
2 March 1953: Tanzania: Banagi: BMNH: 1 [1 - **1** - **1**].
5 March 1953: Tanzania: Banagi: BMNH: 1 [1 - **1** - **1**].
21 March 1953: Tanzania: Banagi: BMNH: 1 [1 - **1** - **1**].
10 April 1953: Tanzania: Tenguru: BMNH: 1 [1 - **1** - **1**].
20 June 1953: Tanzania: Tenguru: BMNH: 2 [2 - **2** - **2**].
28 September 1957: Uganda: Masindi: BMNH: 1 [1 - **1** - **1**].
5 March 1959: Uganda: Moruita: BMNH: 1 [1 - **1** - **1**].
31 March 1960: Uganda: Moroto: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Brooks, A.C.: 18

Brooks, A.C.; Mills, J.R.F.

23 May 1960: Uganda: Mbarara: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Brooks, A.C.; Mills, J.R.F.: 1

Brooks, Winthrop Sprague
(1887 - 1965)

8 March 1925: Zimbabwe: Victoria Falls: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Brooks, Winthrop Sprague: 1

Broom

Collection Date Unknown: Tanzania: Ngorongoro: TM: 1 [1 - **1** - **1**].

Total Specimens for Broom: 1

Broom, R.

29 December 1947: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].

Total Specimens for Broom, R.: 1

Brosset, André

Collection Date Unknown: Gabon: Bélinga: MNHN: 1 [1 - **1** - **1**].
1 January 1931: Gabon: Bengoué: MHNG: 1 [1] - Makokou: MHNG: 1 [1 - **2** - **2**].
1 January 1953: Morocco: Berkane: MNHN: 1 [1 - **1** - **1**].
1 January 1955: Tunisia: Sidi Bou Zid valley: MNHN: 1 [1 - **1** - **1**].
1 January 1957: Morocco: Berkane: MNHN: 1 [1 - **1** - **1**].
24 February 1963: Gabon: Grotte de Faucon: ZMA: 1 [1 - **1** - **1**].
1 August 1963: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].

1 January 1964: Gabon: Makokou: MNHN: 1 [1 - **1** - **1**].
10 February 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
1 March 1964: Gabon: Bengoué: ZMA: 2 [2 - **2** - **2**].
10 December 1967: Gabon: Makokou: MNHN: 1 [1 - **1** - **1**].
1 June 1972: Gabon: Ipassa-Mpassa station: MNHN: 1 [1 - **1** - **1**].
1 December 1983: Guinea: Mt. Nimba: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Brosset, André: 15

Brosset, André; Richaud, Pierre

1 December 1983: Guinea: Mt. Nimba: MNHN: 3 [3 - **3** - **3**].

Total Specimens for Brosset, André; Richaud, Pierre: 3

Browl, D.

14 September 1959: Kenya: Langata forest: MSU: 1 [1 - **1** - **1**].
1 October 1959: Kenya: Londiani: MSU: 2 [2 - **2** - **2**].
10 May 1960: Kenya: Karen: MSU: 1 [1 - **1** - **1**].

Total Specimens for Browl, D.: 4

Brown

10 March 1960: Nigeria: Abeotuka: HZM: 1 [1 - **1** - **1**].

Total Specimens for Brown: 1

Brown, Barnum

1 January 1920: Ethiopia: Dire Dawa: AMNH: 1 [1 - **1** - **1**].
2 August 1920: Ethiopia: Addis Abeba: AMNH: 2 [2 - **2** - **2**].
20 September 1920: Ethiopia: Dire Dawa: AMNH: 1 [1 - **1** - **1**].
1 October 1920: Ethiopia: Barzala CavE: AMNH: 1 [1 - **1** - **1**].
7 October 1920: Ethiopia: Barzala CavE: AMNH: 2 [2 - **2** - **2**].
5 November 1920: Ethiopia: Harrar: AMNH: 2 [2 - **2** - **2**].
20 December 1920: Somalia: Hargeisa: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Brown, Barnum: 10

Brown, G.

14 March 1960: Nigeria: Abeokuta: HZM: 1 [1 - **1** - **1**].

Total Specimens for Brown, G.: 1

Brown, H.D.

Collection Date Unknown: Zimbabwe: Salisbury, Borrowdale Road: TM: 1 [1 - **1** - **1**].

Total Specimens for Brown, H.D.: 1

Brown, Harvey

15 May 1893: Zimbabwe: Mashonaland province: CM: 1 [1 - **1** - **1**].

Total Specimens for Brown, Harvey: 1

Brown, R.H.

Collection Date Unknown: Egypt: Medinet el Fayum: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Brown, R.H.: 1

Brown, W.

1 December 1889: Angola: Cunga: USNM: 7 [7 - **7** - **7**].
25 December 1889: Angola: Cunga: USNM: 5 [5 - **5** - **5**].
17 February 1928: South Sudan: Kaka: USNM: 1 [1 - **1** - **1**].
24 February 1928: South Sudan: Abukika: USNM: 3 [3 - **3** - **3**].
27 February 1928: South Sudan: Gemeiza: USNM: 2 [2 - **2** - **2**].
28 February 1928: South Sudan: Terrakka: USNM: 1 [1 - **1** - **1**].
4 March 1928: Sudan: Dulaba: USNM: 1 [1 - **1** - **1**].

11 March 1928: South Sudan: Kaka: USNM: 3 [3] - Kaka, 7 mi [= 11 km] S: USNM: 1 [1 - **4** - **4**].
12 March 1928: South Sudan: Umbarbit: USNM: 4 [4 - **4** - **4**].

Total Specimens for Brown, W.: 28

Brownlow, I.P.

23 August 1975: Nigeria: Ikoyi: HZM: 1 [1 - **1** - **1**].
24 August 1975: Nigeria: Ikoyi: HZM: 1 [1 - **1** - **1**].
11 May 1976: Nigeria: Lagos: HZM: 1 [1 - **1** - **1**].
10 August 1976: Nigeria: Ikoyi: HZM: 1 [1 - **1** - **1**].
13 July 1977: The Gambia: Keneba: HZM: 1 [1 - **1** - **1**].
25 July 1977: The Gambia: Walikunda: HZM: 3 [3 - **3** - **3**].
26 July 1977: The Gambia: Brikama Bar: HZM: 2 [2] - Walikunda: HZM: 13 [13 - **15** - **15**].
11 August 1977: The Gambia: Walikunda: HZM: 1 [1 - **1** - **1**].

Total Specimens for Brownlow, I.P.: 24

Brozzi, N. Mosconi

1 January 1929: Somalia: Oddur: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Brozzi, N. Mosconi: 1

Brummer, V.

22 May 2000: South Africa: Doonside: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Brummer, V.: 1

Buchanan, Angus

Collection Date Unknown: Nigeria: Kano: BMNH: 1 [1 - **1**].
Tanzania: Kisaki: BMNH: 1 [1] - Kissaki: BMNH: 1 [1 - **2** - **3**].
19 December 1919: Nigeria: Parniso: BMNH: 1 [1 - **1** - **1**].
23 December 1919: Nigeria: Farniso: BMNH: 1 [1 - **1** - **1**].
30 January 1920: Niger: Zinder: BMNH: 1 [1 - **1** - **1**].
27 July 1922: Niger: Tebeig Asben: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Buchanan, Angus: 7

Buchanan, Angus; Rothschild, Nathanial Charles

30 January 1920: Niger: Zinder: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Buchanan, Angus; Rothschild, Nathanial Charles: 2

Buchanan, Stuart A.

17 June 1978: Central African Republic: Gounda camp: CM: 1 [1 - **1** - **1**].
2 October 1978: Central African Republic: Koumbala Camp: CM: 1 [1 - **1** - **1**].
9 October 1978: Central African Republic: Gounda camp: CM: 3 [3 - **3** - **3**].
13 October 1978: Central African Republic: Gounda camp: CM: 9 [9 - **9** - **9**].
14 October 1978: Central African Republic: Gounda camp: CM: 7 [7 - **7** - **7**].
21 October 1978: Central African Republic: Ndele and Vakaga, between: CM: 1 [1 - **1** - **1**].
24 October 1978: Central African Republic: Koumbala Camp: CM: 3 [3 - **3** - **3**].
25 October 1978: Central African Republic: Koumbala Camp: CM: 1 [1 - **1** - **1**].
26 October 1978: Central African Republic: Koumbala Camp, 11.5 km NW: CM: 1 [1 - **1** - **1**].
24 June 1979: Central African Republic: Koumbala Camp: CM: 1 [1 - **1** - **1**].
29 June 1979: Central African Republic: Koumbala Camp: CM: 2 [2 - **2** - **2**].

Total Specimens for Buchanan, Stuart A.: 30

Buchanan, W.J.

13 February 1933: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Buchanan, W.J.: 1

Buchet

1 January 1904: Morocco: Hercules caves: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Buchet: 2

Buchholz

Collection Date Unknown: Cameroon: Unknown locality: ZMB: 4 [4] - Mungo Anchoncho [Moungo river?]: ZMB: 5 [5 - **9**].
Equatorial Guinea: Bioko Island: ZMB: 1 [1 - **1**].
Gabon: Cape Lopez: ZMB: 1 [1] - Dongila [=Donguila]: ZMB: 2 [2] - Lambarene: ZMB: 1 [1 - **4** - **14**].

Total Specimens for Buchholz: 14

Buchner

Collection Date Unknown: Angola: Malange [= Malanje]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Buchner: 1

Buckle, J.

26 February 1987: South Africa: St. Lucia Crocodile centre: TM: 1 [1 - **1** - **1**].

Total Specimens for Buckle, J.: 1

Bunting

Collection Date Unknown: Ghana: Gold Coast [=Goldküste]: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Bunting: 1

Buonajun, A.

16 June 1964: Kenya: Lake Naivasha: WNMU: 1 [1 - **1** - **1**].

Total Specimens for Buonajun, A.: 1

Burda, H.

Collection Date Unknown: Malawi: Unknown locality: SMF: 1 [1 - **1** - **1**].

Total Specimens for Burda, H.: 1

Burgeon

14 September 1932: Congo (Democratic Republic of the): Katanda Road, km 411: RMCA: 1 [1 - **1** - **1**].
29 October 1932: Congo (Democratic Republic of the): Katana: RMCA: 1 [1 - **1** - **1**].
15 December 1932: Congo (Democratic Republic of the): Luvungi: RMCA: 1 [1 - **1** - **1**].
28 December 1932: Burundi: Nyanza-Lac: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Burgeon: 4

Burgess,H.H.

2 May 1944: Liberia: Division 24 Camp [see: Division Twenty-Four [Labor] Camp]: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Burgess,H.H.: 1

Burmester

6 March 1909: Namibia: Keetmannshoop: ZMH: 1 [1 - **1** - **1**].

Total Specimens for Burmester: 1

Burne, Clayton

8 November 1998: South Africa: Vernon Crookes Nature Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Burne, Clayton: 1

Burrard, C.; Jordan, Karl

Collection Date Unknown: Angola: Moks, mount: BMNH: 1 [1 - **1** - **1**].
11 October 1933: Namibia: Klein Windhoek: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Burrard, C.; Jordan, Karl: 3

Burrows, John; Cohen, Lientjie; Fernsby, Nigel

Collection Date Unknown: South Africa: Buffelskloof Private Nature Reserve: TM: 1 [1 - **1** - **1**].
14 November 2003: South Africa: Buffelskloof Private Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Burrows, John; Cohen, Lientjie; Fernsby, Nigel: 2

Burting (or Bunting), R.K. (or R.H.)

Collection Date Unknown: Liberia: Barclay, mount [see Rosevear: BMNH: 1 [1 - **1** - **1**].
20 July 1914: Sierra Leone: Njala: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Burting (or Bunting), R.K. (or R.H.): 2

Burton, 2

3 June 1972: Kenya: Elgon, Mount: ROM: 1 [1 - **1** - **1**].

Total Specimens for Burton, 2: 1

Burton, M.

Collection Date Unknown: Sierra Leone: Unknown locality: MCZ: 1 [1 - **1** - **1**].
17 February 1990: South Africa: Lynwood: TM: 1 [1 - **1** - **1**].

Total Specimens for Burton, M.: 2

Busink, R.J.

12 October 1971: Liberia: Robertsfield Airport: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Busink, R.J.: 1

Busto, B.

27 September 1978: Morocco: Peñon de Alhucemas island: EBD: 2 [2 - **2** - **2**].
3 October 1978: Morocco: Peñon de Alhucemas island: EBD: 2 [2 - **2** - **2**].
5 October 1978: Morocco: Peñon de Alhucemas island: EBD: 1 [1 - **1** - **1**].

Total Specimens for Busto, B.: 5

Butler, A.L.

29 March 1907: Sudan: Dad Majok: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Butler, A.L.: 2

Butler, J.

Collection Date Unknown: Sudan: Jebel Moba: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Butler, J.: 1

Büttikofer, Johan
(1850 - 1927)

Collection Date Unknown: Liberia: Unknown locality: RMNH: 4 [4 - **4** - **4**].

Total Specimens for Büttikofer, Johan: 4

Büttikofer, Johan; Sala, C.F.

Collection Date Unknown: Liberia: Unknown locality: RMNH: 1 [1 - **1** - **1**].
19 October 1880: Liberia: Muhlenberg Mission: RMNH: 1 [1] - Mühlenburg-Mission: RMNH: 1 [1 - **2** - **2**].
11 January 1887: Liberia: Schieffelinsville: RMNH: 1 [1 - **1** - **1**].
1 November 1887: Liberia: Schieffelinsville: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Büttikofer, Johan; Sala, C.F.: 5

Büttner

Collection Date Unknown: "Africa": Kimpoko: ZMB: 1 [1 - **1**].
Gabon: Unknown locality: ZMB: 1 [1 - **1**].

Togo: Bismarckburg [=Adéle]: ZMB: 6 [6 - **6** - **8**].

Total Specimens for Büttner: 8

Button, E.J.

12 April 1943: Zambia: Kasempa: TM: 1 [1 - **1** - **1**].

Total Specimens for Button, E.J.: 1

Buxton, A.P.

Collection Date Unknown: Uganda: Kampala: AMNH: 1 [1 - **1** - **1**].
8 August 1950: Uganda: Entebbe: AMNH: 9 [9 - **9** - **9**].
9 November 1950: Uganda: Entebbe: AMNH: 1 [1 - **1** - **1**].
19 May 1951: Uganda: Kampala: AMNH: 1 [1 - **1** - **1**].
21 May 1951: Uganda: Kampala: AMNH: 1 [1 - **1** - **1**].
12 June 1951: Uganda: V.R.I.: AMNH: 1 [1 - **1** - **1**].
19 June 1951: Uganda: V.R.I.: AMNH: 1 [1 - **1** - **1**].
25 June 1951: Uganda: V.R.I.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Buxton, A.P.: 16

Buxton, A.P.; Oxford University Expedition, The

Collection Date Unknown: The Gambia: Gambia river, lower: BMNH: 1 [1] - Kontaur: BMNH: 1 [1] - Kuntaur, 5 mi N: BMNH: 2 [2] - Makka: BMNH: 1 [1 - **5** - **5**].
31 July 1948: The Gambia: Makka: BMNH: 1 [1 - **1** - **1**].
24 August 1948: The Gambia: Kuntaur, 10 mi [=16 km]SE: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Buxton, A.P.; Oxford University Expedition, The: 7

Buys

19 October 1966: Namibia: Swartbooidrift: TM: 1 [1 - **1** - **1**].

Total Specimens for Buys: 1

Buys, P.J.

15 July 1964: Namibia: Karakuwisa: SMW: 4 [4 - **4** - **4**].
6 August 1964: Namibia: Omuramba, Omatako: SMW: 3 [3 - **3** - **3**].
19 November 1965: Namibia: Rua Cana: SMW: 1 [1 - **1** - **1**].
9 July 1968: Namibia: Farm Waterberg 416: SMW: 1 [1 - **1** - **1**].
14 October 1971: Namibia: Swartbooisdrift: SMW: 1 [1 - **1** - **1**].
17 November 1979: Namibia: Alte Fest: SMW: 1 [1 - **1** - **1**].

Total Specimens for Buys, P.J.: 11

Buys; Coetzee, C.G.

23 October 1966: Namibia: Epupa Falls: TM: 1 [1 - **1** - **1**].

Total Specimens for Buys; Coetzee, C.G.: 1

Cabot, M.

Collection Date Unknown: Senegal: Unknown locality: FMNH: 5 [5] - Diabane: FMNH: 1 [1 - **6** - **6**].
7 January 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
18 January 1983: Senegal: Diabane: FMNH: 2 [2 - **2** - **2**].
19 January 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
20 January 1983: Senegal: Diabane: FMNH: 2 [2 - **2** - **2**].
1 February 1983: Senegal: Diabane: FMNH: 2 [2 - **2** - **2**].
5 February 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
10 February 1983: Senegal: Diabane: FMNH: 2 [2 - **2** - **2**].
12 February 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
24 February 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
7 March 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
8 March 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
26 March 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
13 April 1983: Senegal: Diabane: FMNH: 3 [3 - **3** - **3**].
24 April 1983: Senegal: Diabane: FMNH: 2 [2 - **2** - **2**].
19 May 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
21 July 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
31 July 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].

6 August 1983: Senegal: Diabane: FMNH: 2 [2 - **2** - **2**].
8 August 1983: Senegal: Diabane: FMNH: 3 [3 - **3** - **3**].
9 August 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
10 August 1983: Senegal: Diabane: FMNH: 3 [3 - **3** - **3**].
11 August 1983: Senegal: Diabane: FMNH: 3 [3 - **3** - **3**].
23 August 1983: Senegal: Diabane: FMNH: 2 [2 - **2** - **2**].
24 August 1983: Senegal: Diabane: FMNH: 1 [1 - **1** - **1**].
26 October 1983: Senegal: Edanga: FMNH: 1 [1] - Eganga: FMNH: 2 [2 - **3** - **3**].
29 October 1983: Senegal: Edanga: FMNH: 6 [6 - **6** - **6**].
30 October 1983: Senegal: Edanga: FMNH: 2 [2] - Eganga: FMNH: 1 [1 - **3** - **3**].
28 November 1983: Guinea: Boussoura: FMNH: 1 [1 - **1** - **1**].
30 November 1983: Guinea: Boussoura: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Cabot, M.: 59

Cabra, Alphonse
(1862: Chièvres - 1932: Antwerp)

Collection Date Unknown: Congo (Democratic Republic of the): Bas Congo: RMCA: 6 [6] - Yema: RMCA: 1 [1 - **7** - **7**].

Total Specimens for Cabra, Alphonse: 7

Cade, C.E.

Collection Date Unknown: South Sudan: Yirol: FMNH: 1 [1 - **1** - **1**].
2 July 1945: Uganda: Entebbe: FMNH: 1 [1] - Entebbe, near: FMNH: 1 [1 - **2** - **2**].
12 July 1945: Uganda: Entebbe: FMNH: 4 [4 - **4** - **4**].
17 July 1945: Uganda: Entebbe, near: FMNH: 4 [4 - **4** - **4**].
7 August 1945: Uganda: Entebbe, near: FMNH: 1 [1 - **1** - **1**].
12 August 1945: Uganda: Entebbe: FMNH: 1 [1 - **1** - **1**].
24 August 1945: Uganda: Entebbe: FMNH: 1 [1 - **1** - **1**].
10 June 1946: Uganda: Soroti, 25 mi [= 40 km] N: FMNH: 11 [11 - **11** - **11**].
18 January 1949: Kenya: Nakuru, near: FMNH: 1 [1 - **1** - **1**].
16 February 1949: Kenya: Molo: FMNH: 2 [2 - **2** - **2**].
21 April 1949: South Sudan: Nimule: FMNH: 2 [2 - **2** - **2**].
24 April 1949: South Sudan: Nimule: FMNH: 12 [12 - **12**].
Uganda: Soroti, 25 mi [= 40 km] N: FMNH: 1 [1 - **1** - **13**].
26 April 1949: South Sudan: Nimule: FMNH: 1 [1 - **1** - **1**].
10 May 1949: Tanzania: Pugu Hills: FMNH: 1 [1 - **1** - **1**].
18 August 1949: Kenya: Lamu Island: FMNH: 1 [1 - **1** - **1**].
29 August 1949: Kenya: Elmenteita, near: FMNH: 1 [1 - **1** - **1**].
16 September 1949: Uganda: Entebbe, near: FMNH: 1 [1 - **1** - **1**].
19 October 1949: Kenya: Mombasa: FMNH: 2 [2 - **2** - **2**].
26 November 1949: Kenya: Machakos, near: FMNH: 1 [1 - **1** - **1**].
27 November 1949: Kenya: Machakos, near: FMNH: 2 [2 - **2** - **2**].
30 November 1949: Kenya: Ngong: KU: 1 [1 - **1** - **1**].
2 December 1949: Kenya: Karura Forest: KU: 1 [1 - **1** - **1**].
5 December 1949: Kenya: Ngong: KU: 1 [1 - **1** - **1**].
7 December 1949: Kenya: Machakos, near: KU: 1 [1] - Nairobi, 10 mi [= 16 km] below: FMNH: 2 [2 - **3** - **3**].
10 December 1949: Kenya: Lake Elementeita: CAS: 1 [1] - Nanyuki: FMNH: 1 [1] - Nanyuki [=Nanguki], near: KU: 1 [1 - **3** - **3**].
14 December 1949: Kenya: Ngong: FMNH: 1 [1 - **1** - **1**].
15 December 1949: Kenya: Nairobi, 10 mi [= 16 km] below: FMNH: 1 [1 - **1** - **1**].
16 December 1949: Kenya: Nairobi, 10 mi [= 16 km] below: FMNH: 1 [1 - **1** - **1**].
28 December 1949: Kenya: Athi river: FMNH: 1 [1 - **1** - **1**].
10 January 1950: Kenya: Diani Beach: FMNH: 4 [4] - Kibwezi, near: FMNH: 2 [2 - **6** - **6**].
12 January 1950: Kenya: Diani Beach: FMNH: 2 [2 - **2** - **2**].
24 January 1950: Kenya: Kibwezi, near: FMNH: 1 [1 - **1** - **1**].
26 January 1950: Kenya: Kibwezi, near: FMNH: 1 [1 - **1** - **1**].
10 June 1950: Kenya: Nanyuki: FMNH: 2 [2 - **2** - **2**].
27 August 1950: Kenya: Lake Magadi: FMNH: 3 [3 - **3** - **3**].
28 August 1950: Kenya: Thika: FMNH: 3 [3 - **3** - **3**].
4 September 1950: Kenya: Kibwezi, near: FMNH: 1 [1 - **1** - **1**].
6 September 1950: Kenya: Lake Naivasha, near: FMNH: 1 [1 - **1** - **1**].
7 September 1950: Kenya: Athi river: FMNH: 1 [1 - **1** - **1**].
9 September 1950: Kenya: South-East slope of Mount Elgon: FMNH: 14 [14 - **14** - **14**].
10 September 1950: Kenya: South-East slope of Mount Elgon: FMNH: 20 [20 - **20** - **20**].
11 September 1950: Kenya: South-East slope of Mount Elgon: FMNH: 13 [13 - **13** - **13**].
21 September 1950: Kenya: Nairobi, 10 mi [= 16 km] below: FMNH: 4 [4 - **4** - **4**].
25 November 1950: Tanzania: Turiani: FMNH: 3 [3 - **3** - **3**].
29 December 1950: Kenya: Nakuru, near: FMNH: 1 [1 - **1** - **1**].
1 June 1951: Kenya: Machakos: CAS: 1 [1 - **1** - **1**].
8 August 1951: Kenya: Ruiru: CAS: 1 [1 - **1** - **1**].
15 August 1951: Kenya: Kiambu: CAS: 1 [1 - **1** - **1**].

16 August 1951: Kenya: Ngong: CAS: 1 [1 - **1** - **1**].

Total Specimens for Cade, C.E.: 146

Cadgepole

1 January 1927: Congo (Democratic Republic of the): Nsiana: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Cadgepole: 1

Caldwell, Sclater

Collection Date Unknown: Madagascar: Tananarivo [=Antananarivo]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Caldwell, Sclater: 1

Callewaert, P.

31 March 1924: Congo (Democratic Republic of the): Kananga: NMBA: 2 [2 - **2** - **2**].

Total Specimens for Callewaert, P.: 2

Callewaert, Richard

Collection Date Unknown: Congo (Democratic Republic of the): Luluabourg: BMNH: 76, RMCA: 13 [89] - St Joseph mission: BMNH: 1 [1] - St. Jos: AMNH: 2 [2 - **92** - **92**].
1 January 1913: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
19 February 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
5 April 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
13 April 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
15 April 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 4 [4 - **4** - **4**].
16 April 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
5 May 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 5 [5 - **5** - **5**].
6 May 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
9 May 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
10 May 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
11 May 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 4 [4 - **4** - **4**].
15 May 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
16 May 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
19 May 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
22 May 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
28 May 1922: Congo (Democratic Republic of the): Luluabourg: BMNH: 1, RMCA: 3 [4 - **4** - **4**].
29 May 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
3 June 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
6 June 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
7 June 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
11 June 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 4 [4 - **4** - **4**].
13 June 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
16 June 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
19 June 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
22 June 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
26 June 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
4 July 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
17 July 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
18 July 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
19 July 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
20 July 1922: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
27 July 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
23 September 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
26 September 1922: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
23 November 1922: Congo (Democratic Republic of the): St. Jos: AMNH: 4 [4 - **4** - **4**].
15 February 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 2 [2 - **2** - **2**].
17 February 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
19 February 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 6 [6 - **6** - **6**].
23 February 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
26 February 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
11 March 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
12 March 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
27 March 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
5 April 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
11 April 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
5 May 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
8 May 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
19 May 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
22 May 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].

31 May 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
1 June 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
2 June 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
3 June 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
7 June 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
19 June 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 2 [2 - **2** - **2**].
27 June 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 3 [3 - **3** - **3**].
28 June 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
19 October 1923: Congo (Democratic Republic of the): Luluabourg: BMNH: 1 [1 - **1** - **1**].
15 November 1923: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
28 November 1923: Congo (Democratic Republic of the): Luluabourg: BMNH: 1 [1 - **1** - **1**].
22 December 1923: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
14 April 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1] - St. Jos: AMNH: 1 [1 - **2** - **2**].
15 April 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 3 [3 - **3** - **3**].
16 April 1924: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: BMNH: 1 [1 - **1** - **1**].
18 April 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
5 May 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 3 [3 - **3** - **3**].
8 May 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 2 [2 - **2** - **2**].
10 May 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 2 [2 - **2** - **2**].
20 May 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
28 May 1924: Congo (Democratic Republic of the): Luluabourg: AMNH: 1 [1] - St. Jos: AMNH: 1 [1 - **2** - **2**].
31 May 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 3 [3 - **3** - **3**].
19 June 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 20 [20 - **20** - **20**].
25 June 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
8 July 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
29 July 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
2 August 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 2 [2 - **2** - **2**].
5 August 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 2 [2 - **2** - **2**].
7 August 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 2 [2 - **2** - **2**].
15 August 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
9 September 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
26 September 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
5 October 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
8 October 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
10 October 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
12 October 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
18 October 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
19 October 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
23 October 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
27 October 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
29 October 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 2 [2 - **2** - **2**].
30 October 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
3 November 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 3 [3 - **3** - **3**].
14 November 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
30 November 1924: Congo (Democratic Republic of the): St. Jos: AMNH: 1 [1 - **1** - **1**].
2 December 1925: Congo (Democratic Republic of the): Luluabourg: BMNH: 1 [1 - **1** - **1**].
25 February 1926: Congo (Democratic Republic of the): Luluabourg: BMNH: 1 [1 - **1** - **1**].
11 March 1926: Congo (Democratic Republic of the): Luluabourg: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Callewaert, Richard: 261

Cambier

Collection Date Unknown: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Cambier: 2

Cambridge East Africa Expedition 1959, The

Collection Date Unknown: Congo (Democratic Republic of the): Kabatibi Cave: BMNH: 4 [4] - Matupi Cave: BMNH: 1 [1] - Mount Hoyo: BMNH: 5 [5 - **10** - **10**].

Total Specimens for Cambridge East Africa Expedition 1959, The: 10

Cambridge University Geological Expedition 1934, The

Collection Date Unknown: Uganda: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Cambridge University Geological Expedition 1934, The: 1

Cambridge University Kenya Expedition 1977, The

Collection Date Unknown: Kenya: Unknown locality: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Cambridge University Kenya Expedition 1977, The: 2

Camerik, Anne Margariette
(1941: Balikpapan -)

14 November 1978: Botswana: Unknown locality: RMNH: 2 [2 - **2** - **2**].

Total Specimens for Camerik, Anne Margariette: 2

Camerman

Collection Date Unknown: Congo (Democratic Republic of the): Bukavu: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Camerman: 3

Camp, J.

Collection Date Unknown: Congo (Democratic Republic of the): Irebu: USNM: 2 [2] - Léopoldville: USNM: 12 [12 - **14** - **14**].
8 November 1893: Congo (Democratic Republic of the): Léopoldville: USNM: 1 [1 - **1** - **1**].

Total Specimens for Camp, J.: 15

Cansdale, George Soper

Collection Date Unknown: Burkina Faso: Lawra: BMNH: 2 [2 - **2**].
Ghana: Kintampo: BMNH: 1 [1] - Oda: BMNH: 6 [6] - Ofinsu: BMNH: 1 [1] - Winneba: BMNH: 1 [1 - **9** - **11**].
15 September 1944: Ghana: Accra: FMNH: 1 [1 - **1** - **1**].
1 January 1945: Ghana: Oda: FMNH: 2 [2 - **2** - **2**].
26 August 1945: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
2 September 1945: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
19 September 1945: Ghana: Oda: BMNH: 1 [1 - **1** - **1**].
21 September 1945: Ghana: Oda: BMNH: 1 [1 - **1** - **1**].
21 October 1945: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
3 November 1945: Ghana: Oda: BMNH: 1, FMNH: 2 [3 - **3** - **3**].
14 November 1945: Ghana: Oda: MCZ: 1 [1 - **1** - **1**].
16 November 1945: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
17 November 1945: Ghana: Oda: BMNH: 1, FMNH: 1 [2 - **2** - **2**].
21 November 1945: Ghana: Winneba: FMNH: 1 [1 - **1** - **1**].
22 November 1945: Ghana: Oda: MCZ: 1 [1] - Winneba: FMNH: 1 [1 - **2** - **2**].
25 November 1945: Ghana: Anamabu Castle: FMNH: 1 [1] - Anomabu: FMNH: 1 [1] - Oda: FMNH: 1 [1 - **3** - **3**].
27 November 1945: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
7 December 1945: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
18 December 1945: Ghana: Anamabu Castle: FMNH: 1 [1] - Oda: FMNH: 1 [1 - **2** - **2**].
24 December 1945: Ghana: Oda: BMNH: 1, FMNH: 1 [2 - **2** - **2**].
1 January 1946: Ghana: Oda: BMNH: 1, FMNH: 2 [3 - **3** - **3**].
18 January 1946: Ghana: Winneba: FMNH: 1 [1 - **1** - **1**].
21 January 1946: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
20 March 1946: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
28 March 1946: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
11 April 1946: Ghana: Oda: MCZ: 1 [1 - **1** - **1**].
18 April 1946: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
29 April 1946: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
3 May 1946: Ghana: Oda: FMNH: 2 [2 - **2** - **2**].
4 May 1946: Ghana: Oda: FMNH: 10 [10 - **10** - **10**].
17 May 1946: Ghana: Oda: MCZ: 1 [1 - **1** - **1**].
3 June 1946: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
21 June 1946: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
7 July 1946: Ghana: Oda: FMNH: 2 [2 - **2** - **2**].
19 July 1946: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
16 August 1946: Ghana: Oda: FMNH: 2 [2 - **2** - **2**].
1 September 1946: Ghana: Oda: FMNH: 1 [1 - **1** - **1**].
8 March 1947: Ghana: Lawra: MCZ: 1 [1 - **1** - **1**].
10 March 1947: Ghana: Lawra: MCZ: 1 [1 - **1** - **1**].
26 April 1947: Ghana: Lawra: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Cansdale, George Soper: 72

Capomazza, I.

19 June 1907: Eritrea: Saganeiti: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Capomazza, I.: 1

Carballo, Celso; Peña, Jesus; Moya

5 June 1986: Morocco: Chaouèn: EBD: 2 [2] - Chechaouèn: EBD: 2 [2 - **4** - **4**].

Total Specimens for Carballo, Celso; Peña, Jesus; Moya: 4

Carbone, F.

1 March 1957: Congo (Democratic Republic of the): Yalusaka: RMCA: 1 [1 - **1** - **1**].
28 September 1957: Congo (Democratic Republic of the): Yalusaka: RMCA: 1 [1 - **1** - **1**].
10 March 1958: Congo (Democratic Republic of the): Yalusaka: RMCA: 1 [1 - **1** - **1**].
16 March 1958: Congo (Democratic Republic of the): Yalusaka: RMCA: 10 [10 - **10** - **10**].

Total Specimens for Carbone, F.: 13

Cardiff, Scott G.

Collection Date Unknown: Madagascar: Ambatoharanana cave: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Cardiff, Scott G.: 1

Carie, P.

Collection Date Unknown: Mauritius: Majastre: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Carie, P.: 2

Carl, J.

Collection Date Unknown: Tanzania: Bukoba: MHNG: 6 [6 - **6**].
Uganda: Entebbe: MHNG: 1 [1 - **1** - **7**].
1 November 1908: Tanzania: Kisikka: MHNG: 8 [8 - **8** - **8**].

Total Specimens for Carl, J.: 15

Carleton, Michael Dean

13 May 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 3 [3 - **3** - **3**].

Total Specimens for Carleton, Michael Dean: 3

Carleton, Michael Dean; Robbins, C. Brian

24 April 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 1 [1 - **1** - **1**].

Total Specimens for Carleton, Michael Dean; Robbins, C. Brian: 1

Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.

17 April 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 5 [5 - **5** - **5**].
18 April 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 9 [9 - **9** - **9**].
22 April 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 5 [5 - **5** - **5**].
23 April 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 5 [5 - **5** - **5**].
24 April 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 5 [5 - **5** - **5**].

Total Specimens for Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: 29

Carlisle, J.S.

24 July 1917: South Africa: Tweespruit: TM: 5 [5 - **5** - **5**].

Total Specimens for Carlisle, J.S.: 5

Carlisle, M.

13 September 1926: South Africa: Pretoria North: TM: 1 [1 - **1** - **1**].

Total Specimens for Carlisle, M.: 1

Carnap-Querheimb

Collection Date Unknown: Cameroon: Yaounde: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Carnap-Querheimb: 1

Carnochan, Frederic Grosvenor

Collection Date Unknown: Tanzania: Unknown locality: MCZ: 2 [2 - **2** - **2**].
17 July 1926: Tanzania: Dodoma: USNM: 1 [1 - **1** - **1**].
4 January 1929: Tanzania: Muansa [=Mwanza]: MCZ: 1 [1 - **1** - **1**].
10 January 1929: Tanzania: Muansa [=Mwanza]: MCZ: 2 [2 - **2** - **2**].
12 January 1929: Tanzania: Muansa [=Mwanza]: MCZ: 1 [1 - **1** - **1**].
20 January 1935: Tanzania: Mawere: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Carnochan, Frederic Grosvenor: 8

Carp Expedition 1951, The

18 June 1951: Namibia: Kaoko Otavi: TM: 1 [1 - **1** - **1**].

Total Specimens for Carp Expedition 1951, The: 1

Carp Expedition, The

4 June 1950: Zimbabwe: Sabi-Lundi River, S junction: TM: 1 [1 - **1** - **1**].
30 July 1952: Zambia: Senanza: TM: 1 [1 - **1** - **1**].

Total Specimens for Carp Expedition, The: 2

Carp, B.

Collection Date Unknown: Zimbabwe: Sabi-Lundi junction: KM: 1 [1 - **1** - **1**].
7 July 1949: Namibia: Nampini: KM: 1 [1 - **1** - **1**].
7 August 1949: Namibia: Nampini: TM: 1 [1 - **1**].
Zimbabwe: Nampini: SMF: 1 [1 - **1** - **2**].
9 August 1949: Namibia: Chobe River Farm: TM: 1 [1] - Nampini: KM: 1, TM: 3 [4 - **5** - **5**].
5 June 1950: Zimbabwe: Sabi-Lundi junction: TM: 1 [1 - **1** - **1**].
23 June 1951: Namibia: Swartbooisdrift: TM: 1 [1 - **1** - **1**].

Total Specimens for Carp, B.: 11

Carr, Archie Fairly
(16 June 1909: Mobile - 21 May 1987: Micanopy)

6 July 1952: Malawi: Ufudu Village: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Carr, Archie Fairly: 1

Carr, R.D.

19 November 1987: South Africa: Nylstroom: TM: 1 [1 - **1** - **1**].

Total Specimens for Carr, R.D.: 1

Carruthers, Alexander Douglas Mitchell
(4 October 1882: London - 23 May 1962)

Collection Date Unknown: Congo (Democratic Republic of the): Upper Congo: BMNH: 16 [16 - **16** - **16**].
23 October 1906: Congo (Democratic Republic of the): Albert, lake: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Carruthers, Alexander Douglas Mitchell: 18

Carruthers, R.

Collection Date Unknown: Zimbabwe: Gwanda: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Carruthers, R.: 2

Carter, T. Donald

Collection Date Unknown: Chad: Fort Archambault, 30 mi [=48 km]N: AMNH: 2 [2] - Lake Lere: AMNH: 4 [4 - **6** - **6**].
10 January 1929: Ethiopia: Addis Abeba: AMNH: 1 [1 - **1** - **1**].
13 April 1929: Ethiopia: Lake Abaya: AMNH: 2 [2 - **2** - **2**].
24 March 1938: South Africa: Pirie Forest: AMNH: 1 [1 - **1** - **1**].
25 March 1938: South Africa: Pirie Forest: AMNH: 1 [1 - **1** - **1**].
28 March 1938: South Africa: Pirie Forest: AMNH: 4 [4 - **4** - **4**].
4 April 1938: South Africa: King William's Town: AMNH: 1 [1 - **1** - **1**].
12 July 1938: Zambia: Balovale: AMNH: 1 [1] - Limulunga: AMNH: 1 [1 - **2** - **2**].
13 July 1938: Zambia: Limulunga: AMNH: 15 [15 - **15** - **15**].

29 July 1938: Zambia: Limulunga: AMNH: 1 [1 - **1** - **1**].
1 August 1938: Zambia: Limulunga: AMNH: 1 [1 - **1** - **1**].
24 August 1938: Zambia: Balovale: AMNH: 1 [1 - **1** - **1**].
2 September 1938: Zambia: Balovale: AMNH: 1 [1 - **1** - **1**].
5 September 1938: Zambia: Balovale: AMNH: 1 [1 - **1** - **1**].
20 September 1938: Zambia: Balovale: AMNH: 1 [1 - **1** - **1**].
21 September 1938: Zambia: Balovale: AMNH: 3 [3 - **3** - **3**].
23 September 1938: Zambia: Balovale: AMNH: 4 [4 - **4** - **4**].
24 September 1938: Zambia: Balovale: AMNH: 10 [10 - **10** - **10**].
25 September 1938: Zambia: Balovale: AMNH: 15 [15 - **15** - **15**].
26 September 1938: Zambia: Balovale: AMNH: 4 [4 - **4** - **4**].
30 September 1938: Zambia: Balovale: AMNH: 1 [1 - **1** - **1**].
2 October 1938: Zambia: Balovale: AMNH: 1 [1 - **1** - **1**].
3 October 1938: Zambia: Balovale: AMNH: 2 [2 - **2** - **2**].
5 October 1938: Zambia: Balovale: AMNH: 1 [1 - **1** - **1**].
6 October 1938: Zambia: Balovale: AMNH: 8 [8 - **8** - **8**].
8 October 1938: Zambia: Balovale: AMNH: 7 [7 - **7** - **7**].
9 October 1938: Zambia: Balovale: AMNH: 9, HZM: 1 [10 - **10** - **10**].
10 October 1938: Zambia: Balovale: AMNH: 1 [1 - **1** - **1**].
12 October 1938: Zambia: Balovale: AMNH: 6 [6 - **6** - **6**].
13 October 1938: Zambia: Balovale: AMNH: 3 [3 - **3** - **3**].
16 October 1938: Zambia: Balovale: AMNH: 2 [2 - **2** - **2**].
28 November 1946: Tanzania: Mtowamba: AMNH: 1 [1 - **1** - **1**].
22 December 1946: Tanzania: Kondoa, 100 mi E: AMNH: 13 [13 - **13** - **13**].
26 April 1952: Chad: Fort Archambault: AMNH: 1 [1 - **1** - **1**].
27 April 1952: Chad: Fort Archambault: AMNH: 1 [1 - **1** - **1**].
29 April 1952: Chad: Fort Archambault: AMNH: 7 [7 - **7** - **7**].
14 May 1952: Chad: Kosakobo: AMNH: 5 [5 - **5** - **5**].
18 May 1952: Chad: Kosakobo: AMNH: 1 [1 - **1** - **1**].
2 June 1952: Chad: Guidari: AMNH: 7 [7 - **7** - **7**].
3 June 1952: Chad: Guidari: AMNH: 7 [7 - **7** - **7**].
5 June 1952: Chad: Lai: AMNH: 1 [1 - **1** - **1**].
9 June 1952: Chad: Guidari: AMNH: 2 [2 - **2** - **2**].
21 February 1958: Kenya: Ngare Ndare [Farm]: AMNH: 3 [3 - **3** - **3**].

Total Specimens for Carter, T. Donald: 166

Carter, T. Donald; Shortridge, Guy Chester (Captain); Vernay Kaffrarian Museum Expedition, The

Collection Date Unknown: Zambia: Balovale: KM: 1 [1 - **1** - **1**].
16 September 1938: Zambia: Balovale: KM: 1 [1 - **1** - **1**].
28 September 1938: Zambia: Balovale: KM: 1 [1 - **1** - **1**].
10 October 1938: Zambia: Balovale: SMF: 1 [1 - **1** - **1**].

Total Specimens for Carter, T. Donald; Shortridge, Guy Chester (Captain); Vernay Kaffrarian Museum Expedition, The: 4

Carter, W.T.

Collection Date Unknown: Botswana: Xugana: USNM: 5 [5 - **5** - **5**].

Total Specimens for Carter, W.T.: 5

Case, J.

23 July 1964: Mozambique: Tete, 2 mi SE: USNM: 6 [6 - **6** - **6**].

Total Specimens for Case, J.: 6

Cassart

1 September 1954: Congo (Democratic Republic of the): Boma: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Cassart: 1

Cassidy, R.J.; Wolhuter, David A.

11 September 1983: South Africa: Hilton Railway tunnel: TM: 1 [1 - **1** - **1**].
14 September 1983: South Africa: Dumisa Gold Mine: TM: 4 [4 - **4** - **4**].

Total Specimens for Cassidy, R.J.; Wolhuter, David A.: 5

Castelli

25 March 1937: Ethiopia: Gorgorá, Lago di Tana: MZUF: 1 [1 - **1** - **1**].

Total Specimens for Castelli: 1

Castroviejo, Javier

9 June 1973: Gabon: Franceville, mission: EBD: 5 [5 - **5** - **5**].
18 June 1973: Gabon: Franceville: EBD: 7 [7 - **7** - **7**].
25 June 1973: Gabon: Libreville, 20 km from: EBD: 1 [1 - **1** - **1**].
26 June 1973: Gabon: Libreville, 20 km from: EBD: 3 [3 - **3** - **3**].

Total Specimens for Castroviejo, Javier: 16

Cator, D.

Collection Date Unknown: Nigeria: Nassarawa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Cator, D.: 1

Catta, M.

Collection Date Unknown: Madagascar: Mistinjo: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Catta, M.: 1

Caughley, G.J.

30 July 1972: Zambia: Mfuwe: NMZL: 1 [1 - **1** - **1**].

Total Specimens for Caughley, G.J.: 1

Cecconi, G.

Collection Date Unknown: Eritrea: Keren: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Cecconi, G.: 2

Celis, M.J.; Lejeune, M.

Collection Date Unknown: Congo (Democratic Republic of the): Nord Kivu province: RMCA: 1 [1 - **1** - **1**].
28 December 1966: Congo (Democratic Republic of the): Kibwe Lya Mikako cave: RMCA: 52 [52 - **52** - **52**].
7 April 1969: Congo (Democratic Republic of the): Kiyite: RMCA: 1 [1 - **1** - **1**].
31 December 1969: Congo (Democratic Republic of the): Butembo: RMCA: 2 [2 - **2** - **2**].
1 January 1970: Congo (Democratic Republic of the): Butembo: RMCA: 12 [12 - **12** - **12**].
10 August 1970: Congo (Democratic Republic of the): Kibumba: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Celis, M.J.; Lejeune, M.: 70

Celo, F.

8 October 1961: Sudan: Khartoum: SMF: 12 [12 - **12** - **12**].
27 October 1962: Sudan: Khartoum: SMF: 6 [6 - **6** - **6**].

Total Specimens for Celo, F.: 18

Cervený, Jaroslav

2 May 2004: Senegal: Simenti: IVB: 1 [1 - **1** - **1**].
3 May 2004: Senegal: Simenti: IVB: 1 [1 - **1** - **1**].
4 May 2004: Senegal: Niokolo Koba NP, Lengue: IVB: 1 [1 - **1** - **1**].
6 May 2004: Senegal: Lengue Kountou: IVB: 1 [1 - **1** - **1**].
4 December 2005: Senegal: Dar Salam: IVB: 3 [3 - **3** - **3**].
5 December 2005: Senegal: Badi: IVB: 2 [2 - **2** - **2**].
12 December 2005: Senegal: Daudi Cave: IVB: 2 [2] - Dindéfélo: IVB: 1 [1 - **3** - **3**].
13 December 2005: Senegal: Daudi Cave: IVB: 1 [1 - **1** - **1**].
10 August 2006: Senegal: Dar Salam: IVB: 1 [1] - Niokolo Koba NP, Dar Salam: IVB: 1 [1 - **2** - **2**].
13 August 2006: Senegal: Simenti: IVB: 3 [3 - **3** - **3**].

Total Specimens for Cervený, Jaroslav: 18

Chabaud, Alain Gabriel
(13 March 1923; - 11 March 2013;)

Collection Date Unknown: Gabon: Bélinga: MNHN: 7 [7] - Makokou: MNHN: 1 [1 - **8**].
Madagascar: Analamazaotra forest, Périnet: MNHN: 4 [4 - **4**].

Togo: no specific locality: MNHN: 1 [1 - **1** - **13**].
1 January 1957: Madagascar: Tananarive: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Chabaud, Alain Gabriel: 14

Chaix, L.

1 January 1983: Sudan: Kerma: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Chaix, L.: 1

Chandler, W.A.

Collection Date Unknown: Kenya: Tana River: USNM: 2 [2 - **2**].
Somalia: Somalia: USNM: 1 [1 - **1** - **3**].
1 November 1892: Kenya: Unknown locality: USNM: 1 [1] - Tana river: USNM: 4 [4 - **5** - **5**].

Total Specimens for Chandler, W.A.: 8

Chapin, James Paul
(9 July 1889: New York - 7 April 1964: New York)

26 March 1926: Kenya: Mombasa: AMNH: 2 [2 - **2** - **2**].
25 October 1926: Congo (Democratic Republic of the): New Beni: AMNH: 1 [1 - **1** - **1**].
22 December 1926: Congo (Democratic Republic of the): Kalonge: AMNH: 1 [1 - **1** - **1**].
24 December 1926: Congo (Democratic Republic of the): Butagu Valley: AMNH: 2 [2 - **2** - **2**].
16 July 1927: Congo (Democratic Republic of the): Lemera, SW of: AMNH: 1 [1 - **1** - **1**].
25 July 1927: Congo (Democratic Republic of the): Luebo: AMNH: 1 [1 - **1** - **1**].
23 July 1930: Congo (Democratic Republic of the): Mistandunga: AMNH: 1 [1 - **1** - **1**].
25 July 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
28 July 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 2 [2 - **2** - **2**].
1 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 2 [2 - **2** - **2**].
3 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
4 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
6 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 2 [2 - **2** - **2**].
11 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
12 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
18 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
19 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 8 [8 - **8** - **8**].
31 August 1930: Congo (Democratic Republic of the): Lukolela 4 mi from: AMNH: 1 [1 - **1** - **1**].
4 September 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 2 [2 - **2** - **2**].
27 September 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
10 October 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 2 [2 - **2** - **2**].
3 November 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
7 November 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
15 November 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 2 [2 - **2** - **2**].
16 November 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
21 November 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 2 [2 - **2** - **2**].
29 November 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
1 December 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
24 December 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
27 December 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
30 December 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
1 February 1931: Congo (Democratic Republic of the): Lukolela: AMNH: 3 [3 - **3** - **3**].
28 February 1931: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
17 March 1931: Congo (Democratic Republic of the): Lukolela: AMNH: 6 [6 - **6** - **6**].
20 April 1931: Congo (Democratic Republic of the): Ganda-Sundi: AMNH: 2 [2 - **2** - **2**].
1 July 1937: Congo (Democratic Republic of the): Angumu: AMNH: 1 [1 - **1** - **1**].
22 July 1954: Congo (Democratic Republic of the): Katana: AMNH: 3 [3 - **3** - **3**].
9 November 1954: Congo (Democratic Republic of the): Mabali: AMNH: 3 [3 - **3** - **3**].
15 November 1954: Congo (Democratic Republic of the): Lake Tumba: AMNH: 3 [3 - **3** - **3**].
20 April 1955: Congo (Democratic Republic of the): Lwiro: AMNH: 1 [1 - **1** - **1**].
16 May 1955: Congo (Democratic Republic of the): Mai-ya-Moto: AMNH: 2 [2 - **2** - **2**].
19 September 1955: Congo (Democratic Republic of the): Mount Hoyo caves: AMNH: 4 [4 - **4** - **4**].
22 September 1955: Congo (Democratic Republic of the): Kasenye, 10 km N: AMNH: 1 [1 - **1** - **1**].
28 September 1955: Congo (Democratic Republic of the): Mahagi Port: AMNH: 1 [1 - **1** - **1**].
18 March 1956: Congo (Democratic Republic of the): Katana: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Chapin, James Paul: 79

Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The

21 January 1926: Uganda: Katwe: AMNH: 2 [2 - **2** - **2**].
26 April 1926: Congo (Democratic Republic of the): Rutshuru: AMNH: 1 [1 - **1** - **1**].
1 June 1926: Kenya: Nairobi: AMNH: 1 [1 - **1** - **1**].

4 July 1926: Kenya: Tsavo: AMNH: 1 [1 - **1** - **1**].
26 July 1926: Uganda: Toro: AMNH: 1 [1 - **1** - **1**].
7 August 1926: Uganda: Haima, 28 mi S: AMNH: 1 [1 - **1** - **1**].
22 August 1926: Congo (Democratic Republic of the): Kasengi: AMNH: 1 [1 - **1** - **1**].
23 August 1926: Congo (Democratic Republic of the): Kasengi: AMNH: 1 [1 - **1** - **1**].
27 August 1926: Congo (Democratic Republic of the): Kasengi: AMNH: 1 [1 - **1** - **1**].
2 September 1926: Congo (Democratic Republic of the): Kasengi: AMNH: 1 [1 - **1** - **1**].
14 September 1926: Congo (Democratic Republic of the): Irumu: AMNH: 1 [1 - **1** - **1**].
28 September 1926: Congo (Democratic Republic of the): Irumu: AMNH: 2 [2 - **2** - **2**].
1 October 1926: Congo (Democratic Republic of the): New Beni: AMNH: 5 [5 - **5** - **5**].
24 December 1926: Congo (Democratic Republic of the): Butagu Valley: AMNH: 1 [1] - W slope of Mount Ruwenzori, Butahu valley, cave: AMNH: 1 [1 - **2** - **2**].
23 March 1927: Congo (Democratic Republic of the): Luofu: AMNH: 1 [1 - **1** - **1**].
14 April 1927: Congo (Democratic Republic of the): Rutshuru: AMNH: 1 [1 - **1** - **1**].
10 May 1927: Congo (Democratic Republic of the): Kabale: AMNH: 1 [1 - **1** - **1**].
11 May 1927: Congo (Democratic Republic of the): Kabale: AMNH: 1 [1 - **1** - **1**].
23 May 1927: Congo (Democratic Republic of the): Rutshuru: AMNH: 1 [1 - **1** - **1**].
5 July 1927: Rwanda: Kisenyi: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: 28

Chapman, C.P.

15 November 1926: Angola: Mount Verdun: AMNH: 1 [1 - **1** - **1**].
23 November 1926: Angola: Mount Verdun: AMNH: 1 [1 - **1** - **1**].
16 August 1931: Namibia: Omatagous: TM: 1 [1 - **1** - **1**].

Total Specimens for Chapman, C.P.: 3

Chapman, Jan

Collection Date Unknown: "Africa": "Lobito Voay": SAMC: 1 [1 - **1** - **1**].

Total Specimens for Chapman, Jan: 1

Charliers

1 February 1914: Congo (Democratic Republic of the): Funda Biabo: RMCA: 1 [1 - **1** - **1**].
20 March 1914: Congo (Democratic Republic of the): Funda Biabo: RMCA: 1 [1 - **1** - **1**].
26 March 1914: Congo (Democratic Republic of the): Funda Biabo: RMCA: 1 [1 - **1** - **1**].
1 April 1914: Congo (Democratic Republic of the): Funda Biabo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Charliers: 4

Charousset, F.; Schubert; Vesmanis, Indulis Evalds

29 August 1971: Tunisia: Galita Island: SMF: 2 [2 - **2** - **2**].

Total Specimens for Charousset, F.; Schubert; Vesmanis, Indulis Evalds: 2

Chateau, R.

Collection Date Unknown: Senegal: N'Gari: MHNG: 1 [1 - **1** - **1**].
31 March 1969: Senegal: Richard Toll: MNHN: 1 [1 - **1** - **1**].
1 October 1970: Senegal: Saboya: MNHN: 1 [1 - **1** - **1**].
11 June 1971: Senegal: Bandia: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Chateau, R.: 5

Chatelain, Héli
(1851 - 1908)

Collection Date Unknown: Angola: Unknown locality: USNM: 1 [1 - **1** - **1**].

Total Specimens for Chatelain, Héli: 1

Cheeseman, W.

Collection Date Unknown: Sudan: Gallabat: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Cheeseman, W.: 2

Cheesman, Robert Ernest
(1878 - 13 February 1962)

Collection Date Unknown: Ethiopia: Dangila: BMNH: 6 [6 - **6** - **6**].
21 January 1926: Sudan: Gallabat: FMNH: 1 [1 - **1** - **1**].
22 January 1926: Sudan: Gallabat: FMNH: 2, USNM: 1 [3 - **3** - **3**].
1 February 1926: Sudan: Gallabat: FMNH: 1 [1 - **1** - **1**].
6 February 1926: Sudan: Gallabat: FMNH: 1 [1 - **1** - **1**].
17 August 1926: Ethiopia: Dangila: BMNH: 3 [3 - **3** - **3**].
19 September 1928: Ethiopia: Dangila: BMNH: 2 [2 - **2** - **2**].
18 October 1928: Ethiopia: Dangila: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Cheesman, Robert Ernest: 18

Cheke, R.A.

Collection Date Unknown: Ghana: Samole Motel Camp: BMNH: 1 [1 - **1** - **1**].
15 August 1968: Ghana: Lovi Camp: BMNH: 1 [1 - **1** - **1**].
25 August 1968: Ghana: Sawla, 15 mi [=24 km]E: BMNH: 3 [3 - **3** - **3**].
28 August 1968: Ghana: Sawla, 15 mi [=24 km]E: BMNH: 1 [1 - **1** - **1**].
3 September 1968: Ghana: Damongo, 1 mi [=1.6 km] NE: BMNH: 5 [5 - **5** - **5**].

Total Specimens for Cheke, R.A.: 11

Cherbonnier, Gustave

12 May 1954: Seychelles: Aldabra: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Cherbonnier, Gustave: 1

Chiappa, B.

28 February 1882: Egypt: Thebes: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Chiappa, B.: 1

Child, Graham
(1936: Rhodesia (Zimbabwe) -)

2 August 1966: Botswana: Chobe NP, Kasane: USNM: 1 [1 - **1** - **1**].
10 November 1966: Botswana: Chobe NP, Kasane: USNM: 7 [7 - **7** - **7**].
2 December 1966: Botswana: Chobe NP, Kasane: USNM: 8 [8 - **8** - **8**].
4 December 1966: Botswana: Chobe NP, Kasane: USNM: 7 [7 - **7** - **7**].
5 December 1966: Botswana: Chobe NP, Kasane: USNM: 6 [6 - **6** - **6**].

Total Specimens for Child, Graham: 29

Chimimba, Christian Timonthy

Collection Date Unknown: Malawi: Unknown locality: WAM: 5 [5 - **5** - **5**].
29 April 1983: Malawi: Blantyre: NMMB: 2 [2 - **2** - **2**].
15 January 1986: Malawi: Lengwe National Park: WAM: 7 [7] - Lumenda: WAM: 6 [6] - Lumenda Village: WAM: 1 [1] - Sucoma: WAM: 4 [4 - **18** - **18**].
16 January 1986: Malawi: Camp Chikwawa: WAM: 1 [1 - **1** - **1**].
1 December 1988: Malawi: Mwenyama village: WAM: 1 [1 - **1** - **1**].
3 December 1988: Malawi: Mwenyama village: WAM: 7 [7 - **7** - **7**].
9 December 1988: Malawi: Kabango village banana plantation: WAM: 3 [3 - **3** - **3**].
11 December 1988: Malawi: Ntcheu: WAM: 2 [2 - **2** - **2**].
5 May 1989: Malawi: Kafikisira village: WAM: 4 [4 - **4** - **4**].
7 May 1989: Malawi: Mwandwanga banana plantation: WAM: 9 [9 - **9** - **9**].
12 May 1989: Malawi: Mwamyesya banana plantation: WAM: 9 [9 - **9** - **9**].
19 May 1989: Malawi: Kamisa Banana Plantation: WAM: 7 [7 - **7** - **7**].
20 May 1989: Malawi: Chitipa Township: WAM: 5 [5 - **5** - **5**].
21 May 1989: Malawi: Mwenekapoka banana plantation: WAM: 4 [4 - **4** - **4**].
23 May 1989: Malawi: Ibanda: WAM: 5 [5 - **5** - **5**].
24 May 1989: Malawi: Mwenekapoka banana plantation: WAM: 1 [1 - **1** - **1**].
25 May 1989: Malawi: Mbirima banana plantation: WAM: 1 [1 - **1** - **1**].
28 May 1989: Malawi: Jailosi Nyondo Banana Plantation: WAM: 5 [5] - Mbirima banana plantation: WAM: 7 [7 - **12** - **12**].
30 May 1989: Malawi: Mbirima banana plantation: WAM: 1 [1] - Mwakalukwa banana plantation: WAM: 6 [6 - **7** - **7**].
3 June 1989: Malawi: Luzi banana plantation: WAM: 8 [8] - Mzokoto banana plantation: WAM: 8 [8 - **16** - **16**].
6 June 1989: Malawi: Luzi banana plantation: WAM: 4 [4] - Rumphi: WAM: 1 [1 - **5** - **5**].
19 June 1989: Malawi: Kamisa Banana Plantation: WAM: 1 [1 - **1** - **1**].
1 July 1989: Malawi: Liwonde: WAM: 1 [1 - **1** - **1**].
2 July 1989: Malawi: Liwonde: WAM: 1 [1 - **1** - **1**].

Total Specimens for Chimimba, Christian Timonthy: 127

Chinner, M.J.

13 July 1986: South Africa: Spioenkop Dam, Mabamnyama Staff House: TM: 1 [1 - **1** - **1**].

Total Specimens for Chinner, M.J.: 1

Chippaux, A.

Collection Date Unknown: Central African Republic: Bangui: MNHN: 3 [3 - **3** - **3**].
7 January 1964: Central African Republic: Bangui: MNHN: 6 [6 - **6** - **6**].
15 July 1964: Central African Republic: Bangui: MNHN: 1 [1 - **1** - **1**].
27 November 1965: Central African Republic: Bangui: MNHN: 2, ZMA: 1 [3 - **3** - **3**].

Total Specimens for Chippaux, A.: 13

Chivers, C.B.

28 June 1929: South Africa: Eshowe: TM: 1 [1 - **1** - **1**].

Total Specimens for Chivers, C.B.: 1

Chivers, U.B.

7 August 1932: South Africa: 40 miles W of War Grave, Molopo River: TM: 1 [1 - **1** - **1**].

Total Specimens for Chivers, U.B.: 1

Christensen, Gardell D.

29 March 1936: Kenya: Guaso Nyro River, 10 mi SW: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Christensen, Gardell D.: 1

Christiaens, R.

4 April 1951: Congo (Democratic Republic of the): Mutsora: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Christiaens, R.: 1

Christie, J.

Collection Date Unknown: Egypt: Unknown locality: BMNH: 2 [2 - **2** - **2**].
4 December 1912: Congo (Democratic Republic of the): Makala: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Christie, J.: 3

Christie, Turnbell

Collection Date Unknown: Egypt: Nile Valley between Qena and Aswan: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Christie, Turnbell: 1

Christol, Frédéric
(8 April 1850: Paris - 14 December 1933: Paris)

Collection Date Unknown: South Africa: Bassutoland: MNHN: 1 [1 - **1** - **1**].
1 October 1891: Lesotho: Hermon: MSNG: 3 [3 - **3** - **3**].

Total Specimens for Christol, Frédéric: 4

Christy, Cuthbert
(1863 - 29 May 1932)

Collection Date Unknown: "Africa": Unknown locality: RMCA: 1 [1 - **1**].
Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1] - Avakubi: BMNH: 1, RMCA: 1 [2] - Ituri ht: RMCA: 1 [1] - Léopoldville: BMNH: 2, RMCA: 6 [8] - Mambaka: BMNH: 1 [1] - Medje: BMNH: 2 [2] - Poko: BMNH: 2 [2] - Stanleyville: BMNH: 1, RMCA: 2 [3] - Tshoppo Falls: RMCA: 1 [1 - **21** - **22**].
7 January 1912: Congo (Democratic Republic of the): Avakubi: BMNH: 1 [1 - **1** - **1**].
5 April 1912: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
11 April 1912: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
16 April 1912: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
26 April 1912: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
26 May 1912: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
26 June 1912: Congo (Democratic Republic of the): Stanleyville: RMCA: 5 [5 - **5** - **5**].
2 July 1912: Congo (Democratic Republic of the): Stanleyville: RMCA: 2 [2 - **2** - **2**].

5 July 1912: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
20 July 1912: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
17 September 1912: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
18 September 1912: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
26 September 1912: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
30 September 1912: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
1 October 1912: Congo (Democratic Republic of the): Avakubi: RMCA: 4 [4 - **4** - **4**].
30 October 1912: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
31 October 1912: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
7 November 1912: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
16 November 1912: Congo (Democratic Republic of the): Fundi: RMCA: 1 [1 - **1** - **1**].
3 December 1912: Congo (Democratic Republic of the): Makala: RMCA: 1 [1 - **1** - **1**].
5 December 1912: Congo (Democratic Republic of the): Makala: RMCA: 1 [1 - **1** - **1**].
16 December 1912: Congo (Democratic Republic of the): Pili Pili: RMCA: 1 [1 - **1** - **1**].
19 December 1912: Congo (Democratic Republic of the): Pili Pili: RMCA: 1 [1 - **1** - **1**].
17 January 1913: Congo (Democratic Republic of the): Mambaka: RMCA: 1 [1 - **1** - **1**].
20 January 1913: Congo (Democratic Republic of the): Mambaka: RMCA: 1 [1 - **1** - **1**].
21 January 1913: Congo (Democratic Republic of the): Mambaka: RMCA: 1 [1 - **1** - **1**].
22 January 1913: Congo (Democratic Republic of the): Mambaka: RMCA: 1 [1 - **1** - **1**].
12 March 1913: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
8 August 1913: Congo (Democratic Republic of the): Mawambi: RMCA: 1 [1 - **1** - **1**].
19 December 1913: Congo (Democratic Republic of the): Pili Pili: RMCA: 1 [1 - **1** - **1**].
2 January 1914: Congo (Democratic Republic of the): Mambaka: RMCA: 1 [1 - **1** - **1**].
20 January 1914: Congo (Democratic Republic of the): Mambaka: RMCA: 1 [1 - **1** - **1**].
25 February 1914: Congo (Democratic Republic of the): Poko: RMCA: 1 [1 - **1** - **1**].
26 March 1914: Congo (Democratic Republic of the): Medje: RMCA: 1 [1 - **1** - **1**].
9 April 1914: Congo (Democratic Republic of the): Medje: RMCA: 1 [1 - **1** - **1**].
25 April 1914: Congo (Democratic Republic of the): Medje: RMCA: 1 [1 - **1** - **1**].
12 May 1914: Congo (Democratic Republic of the): Medje: RMCA: 1 [1 - **1** - **1**].
17 June 1914: Congo (Democratic Republic of the): Poko: RMCA: 2 [2 - **2** - **2**].
24 June 1914: Congo (Democratic Republic of the): Poko: RMCA: 1 [1 - **1** - **1**].
1 July 1914: Congo (Democratic Republic of the): Poko: RMCA: 1 [1 - **1** - **1**].
12 July 1914: Congo (Democratic Republic of the): Poko: RMCA: 2 [2 - **2** - **2**].
16 July 1914: Congo (Democratic Republic of the): Poko: BMNH: 1 [1 - **1** - **1**].
17 July 1914: Congo (Democratic Republic of the): Poko: RMCA: 4 [4 - **4** - **4**].
21 July 1914: Congo (Democratic Republic of the): Poko: RMCA: 1 [1 - **1** - **1**].
23 July 1914: Congo (Democratic Republic of the): Poko: RMCA: 1 [1 - **1** - **1**].
2 August 1914: Congo (Democratic Republic of the): Poko: RMCA: 1 [1 - **1** - **1**].
1 January 1931: Congo (Democratic Republic of the): Mushie: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Christy, Cuthbert: 82

Chubb, Ernest Charles
(16 September 1884; London - 9 October 1972)

Collection Date Unknown: Zimbabwe: Bulawayo: USNM: 3 [3] - Bulawayo Swamps: USNM: 2 [2 - **5** - **5**].

Total Specimens for Chubb, Ernest Charles: 5

Chupasko, Judith (Judy) Marie

5 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 1 [1 - **1** - **1**].
12 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 2 [2 - **2** - **2**].
13 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 2 [2 - **2** - **2**].
17 June 1998: Uganda: Budongo Forest Royal mile area: FMNH: 1 [1 - **1** - **1**].
19 June 1998: Uganda: Budongo Forest Royal mile area: FMNH: 1 [1 - **1** - **1**].
20 June 1998: Uganda: Budongo Forest Royal mile area: FMNH: 1 [1 - **1** - **1**].
24 June 1998: Uganda: Budongo Forest Royal mile area: FMNH: 2 [2 - **2** - **2**].
29 June 1998: Uganda: Busingiro Camp Site: FMNH: 1 [1 - **1** - **1**].
30 June 1998: Uganda: Busingiro Camp Site: FMNH: 3 [3 - **3** - **3**].
2 July 1998: Uganda: Busingiro Camp Site: FMNH: 1 [1 - **1** - **1**].
4 July 1998: Uganda: Busingiro Camp Site: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Chupasko, Judith (Judy) Marie: 16

Chupasko, Judith (Judy) Marie; ATBP Mammal Team

13 June 1998: Uganda: Nyabyeya Forestry College, 0.5 km SE: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Chupasko, Judith (Judy) Marie; ATBP Mammal Team: 1

Chuwa, W.G.

18 May 1967: Tanzania: Dindira and Ibaya, halfway between: MSU: 1 [1 - **1** - **1**].

Total Specimens for Chuwa, W.G.: 1

Cifelli, R.L.

Collection Date Unknown: Ethiopia: Poi, 2 mi N: USNM: 1 [1 - **1** - **1**].
22 January 1984: Kenya: Kabarsera: USNM: 2 [2 - **2** - **2**].
23 January 1984: Kenya: Kabarsear,ca 15 mi NNE: USNM: 1 [1] - Kabarsera: USNM: 24 [24] - Kabarsera,ca 15 mi NNE: USNM: 1 [1 - **26** - **26**].
26 January 1984: Kenya: Poi, 2 mi N: USNM: 4 [4 - **4** - **4**].

Total Specimens for Cifelli, R.L.: 33

Clancey, Phillip Alexander
(September 1917: Glasgow - 18 July 2001)

20 November 1950: South Africa: Pietermartizburg: HZM: 1 [1 - **1** - **1**].
2 February 1951: South Africa: Pietermaritzburg: HZM: 1 [1 - **1** - **1**].
1 June 1951: South Africa: Pietermartizburg: HZM: 1 [1 - **1** - **1**].

Total Specimens for Clancey, Phillip Alexander: 3

Clark, James ("Jamie") L.

8 September 1909: Kenya: Thekla River: AMNH: 1 [1 - **1** - **1**].
1 January 1923: Tanzania: Mbulu: AMNH: 1 [1 - **1** - **1**].
20 March 1948: Central African Republic: Birao: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Clark, James ("Jamie") L.: 4

Clark, K.M.

Collection Date Unknown: Comoros: Unknown locality: AMNH: 2 [2] - Anjouan Island: AMNH: 7 [7] - Grand Comoro Island: AMNH: 69 [69] - Moheli Island: AMNH: 11 [11 - **89**].
Mayotte: Mayotte: AMNH: 5 [5 - **5** - **94**].

Total Specimens for Clark, K.M.: 94

Clarke, C.H.D.

Collection Date Unknown: Tanzania: Lake Duluti: ROM: 1 [1 - **1** - **1**].
21 January 1973: Tanzania: Arusha: ROM: 1 [1 - **1** - **1**].
27 January 1973: Tanzania: Arusha: ROM: 3 [3 - **3** - **3**].
29 January 1973: Tanzania: Arusha: ROM: 1 [1 - **1** - **1**].
16 February 1973: Tanzania: Arusha: ROM: 1 [1 - **1** - **1**].
19 April 1973: Tanzania: Arusha: ROM: 1 [1 - **1** - **1**].
30 June 1973: Tanzania: Lake Duluti: ROM: 1 [1] - Ol Donyo Sambu: ROM: 1 [1 - **2** - **2**].
3 July 1973: Tanzania: Lake Duluti: ROM: 1 [1] - Ol Donyo Sambu: ROM: 1 [1 - **2** - **2**].
14 July 1973: Tanzania: Lake Duluti: ROM: 1 [1 - **1** - **1**].
15 July 1973: Tanzania: Lake Duluti: ROM: 1 [1 - **1** - **1**].
28 July 1973: Tanzania: Ol Donyo Sambu: ROM: 1 [1 - **1** - **1**].
29 July 1973: Tanzania: Ol Donyo Sambu: ROM: 1 [1 - **1** - **1**].

Total Specimens for Clarke, C.H.D.: 16

Clarke, J.

8 December 1972: "Africa": Unknown locality: SAMC: 1 [1 - **1** - **1**].

Total Specimens for Clarke, J.: 1

Clarke, Ph.; *et al.*

5 September 1992: Tanzania: Nyamuhoro valley: SMF: 1 [1 - **1** - **1**].

Total Specimens for Clarke, Ph.; *et al.*: 1

Clausen, H.S.

1 January 1953: Nigeria: Ibadan: ZMUC: 2 [2 - **2** - **2**].

Total Specimens for Clausen, H.S.: 2

Clinning, C.F.

24 May 1970: Namibia: Daan Viljoen Park: SMW: 1 [1 - **1** - **1**].

Total Specimens for Clinning, C.F.: 1

Close, René

1 November 1955: Congo (Democratic Republic of the): Popokabaka: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Close, René: 1

Clot, Antoine Barthélémy
(5 November 1793: Grenoble - 28 August 1868: Marseille)

Collection Date Unknown: Egypt: Unknown locality: RMNH: 2 [2 - **2** - **2**].

Total Specimens for Clot, Antoine Barthélémy: 2

Cockle, Anya

18 January 1991: Tanzania: Kazimzumbwi forest reserve: SMF: 1 [1 - **1** - **1**].
20 January 1991: Tanzania: Kazimzumbwi forest reserve: SMF: 1 [1 - **1** - **1**].
11 March 1991: Tanzania: Kazimzumbwi forest reserve: SMF: 1 [1 - **1** - **1**].
9 August 1991: Tanzania: Zaraninge-Kiano forest reserve: SMF: 1 [1 - **1** - **1**].
12 August 1991: Tanzania: Zaraninge-Kiano forest reserve: SMF: 1 [1 - **1** - **1**].
12 October 1991: Tanzania: Genda Genda South Forest Reserve: SMF: 1 [1 - **1** - **1**].
18 October 1991: Tanzania: Genda Genda South Forest Reserve: SMF: 1 [1 - **1** - **1**].
28 November 1991: Tanzania: Genda Genda South Forest Reserve: SMF: 1 [1 - **1** - **1**].
23 January 1992: Tanzania: Muheza Forest, Tongwe Forest Reserve: SMF: 1 [1 - **1** - **1**].
25 February 1992: Tanzania: Kilulu Hill: SMF: 1 [1 - **1** - **1**].

Total Specimens for Cockle, Anya: 10

Coe, Malcolm J.

Collection Date Unknown: Liberia: Mount Nimba: BMNH: 15 [15 - **15** - **15**].
26 June 1963: Kenya: Olorgasailie: USNM: 1 [1 - **1** - **1**].
2 May 1966: Liberia: Mount Nimba: BMNH: 1 [1 - **1** - **1**].
12 May 1966: Liberia: Mount Nimba: BMNH: 3 [3 - **3** - **3**].
15 July 1966: Liberia: Mount Nimba: BMNH: 1 [1 - **1** - **1**].
19 July 1966: Liberia: Mount Nimba: BMNH: 1 [1 - **1** - **1**].
10 April 1967: Kenya: Mzima Springs: ROM: 1 [1 - **1** - **1**].
26 July 1968: Kenya: Lokiri: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Coe, Malcolm J.: 24

Coetzee, C.G.

22 September 1961: Mozambique: Aldeia Chiuta [= Chiuta, Chuta]: TM: 1 [1 - **1** - **1**].
26 February 1964: South Africa: Burgers Park: TM: 2 [2 - **2** - **2**].
29 July 1964: Mozambique: Muchena: TM: 2 [2] - Tete district: TM: 1 [1 - **3** - **3**].
6 August 1964: Mozambique: Furancungo, 30 mi NNW: TM: 2, USNM: 9 [11] - Tete district: TM: 2 [2 - **13** - **13**].
22 August 1964: Mozambique: Mague: TM: 1 [1] - Mague, new: TM: 5 [5 - **6** - **6**].
22 September 1964: Mozambique: Unknown locality: TM: 1 [1] - Aldeia Chiuta [= Chiuta, Chuta]: TM: 3 [3 - **4** - **4**].
19 November 1964: South Africa: American cave: TM: 1 [1 - **1** - **1**].
29 April 1965: South Africa: Kalahari Gemsbok-NP, Twee Riveren: TM: 5 [5 - **5** - **5**].
30 April 1965: South Africa: Kalahari Gemsbok-NP, Twee Riveren: TM: 1 [1 - **1** - **1**].
22 October 1965: Namibia: Namibia Desert Research Station [= DERU]: TM: 2 [2 - **2** - **2**].
16 January 1966: South Africa: Birchleig: TM: 1 [1 - **1** - **1**].
1 March 1966: South Africa: Birchleig: TM: 1 [1 - **1** - **1**].
14 May 1966: South Africa: American cave: TM: 2 [2 - **2** - **2**].
5 July 1966: Namibia: Erongorus Usakos: TM: 1 [1 - **1** - **1**].
30 July 1966: South Africa: American cave: TM: 2 [2 - **2** - **2**].
4 October 1966: Namibia: Erongorus Usakos: TM: 2 [2] - Ombu: TM: 1 [1 - **3** - **3**].
5 October 1966: Namibia: Unknown locality: MMK: 1 [1] - Erongorus Usakos: TM: 13 [13] - Ombu: TM: 2 [2 - **16** - **16**].
7 October 1966: Namibia: Otjimbingue: TM: 3 [3 - **3** - **3**].
9 October 1966: Namibia: Otjimbingue: TM: 1 [1 - **1** - **1**].
11 October 1966: Namibia: Otjimbingue: TM: 2 [2 - **2** - **2**].
19 October 1966: Namibia: Farm Arnhem [=Arnem]: TM: 1 [1 - **1** - **1**].
29 October 1966: Namibia: Farm Arnhem [=Arnem]: TM: 23 [23 - **23**].
South Africa: John Nash Nature Reserve: TM: 1 [1 - **1** - **24**].
25 January 1967: South Africa: American cave: TM: 4 [4 - **4** - **4**].
11 June 1970: Namibia: Orongo Water Affairs Camp: SMW: 4 [4 - **4** - **4**].
18 June 1971: Namibia: Tsotsana, 18 km W: SMW: 1 [1 - **1** - **1**].
20 November 1971: Namibia: Omega: SMW: 1 [1 - **1** - **1**].
31 May 1978: Namibia: Tumasberg: SMW: 1 [1 - **1** - **1**].

1 June 1978: Namibia: Bats Hole: TM: 3 [3 - **3** - **3**].
4 January 1979: Namibia: Sesfontein: SMW: 1 [1 - **1** - **1**].
20 November 1979: Namibia: Omega: SMW: 1 [1] - Papa Falls: SMW: 1 [1 - **2** - **2**].
8 July 1980: Namibia: Witwatersrand: SMW: 1 [1 - **1** - **1**].
24 July 1980: Namibia: Farm Driekrone 516: SMW: 4 [4] - Farm Witwatersrand 521, near Granite kop: SMW: 4 [4 - **8** - **8**].
7 October 1983: Namibia: Dumushe water: TM: 6 [6 - **6** - **6**].

Total Specimens for Coetzee, C.G.: 127

Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]

16 October 1979: Namibia: Jack Scott Bridge: TM: 1 [1 - **1** - **1**].
3 October 1980: Namibia: Farm Huns 106: SMW: 1 [1 - **1** - **1**].

Total Specimens for Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]: 2

Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]; Erasmus, H.

17 July 1893: Namibia: De Valle: SMW: 1 [1 - **1** - **1**].
17 July 1983: Namibia: De Valle: SMW: 11 [11 - **11** - **11**].

Total Specimens for Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]; Erasmus, H.: 12

Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]

3 November 1984: Namibia: Zwartmodder 101: SMW: 3 [3 - **3** - **3**].
4 November 1984: Namibia: Zwartmodder 101: SMW: 6 [6 - **6** - **6**].
5 November 1984: Namibia: Zwartmodder 101: SMW: 2 [2 - **2** - **2**].

Total Specimens for Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]: 11

Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]; Simoes, A.P.

15 October 1979: Namibia: Brandberg Wes Mine: SMW: 1 [1] - Skeleton Coast Park, Brandberg Wes Mine: SMW: 1 [1 - **2** - **2**].
18 October 1979: Namibia: Skeleton Coast Park, Brandberg Wes Mine: SMW: 1 [1 - **1** - **1**].
15 October 1980: Namibia: Skeleton Coast Park, Brandberg Wes Mine: SMW: 1 [1 - **1** - **1**].

Total Specimens for Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]; Simoes, A.P.: 4

Coetzee, C.G.; Seete, J.; Buys, P.; Joint TM-State Museum Expedition

4 October 1966: Namibia: Ombu: TM: 4 [4 - **4** - **4**].
5 October 1966: Namibia: Ombu: TM: 5 [5 - **5** - **5**].

Total Specimens for Coetzee, C.G.; Seete, J.; Buys, P.; Joint TM-State Museum Expedition: 9

Coetzee, C.G.; Seete, J.M.; Smithsonian Institute - TM Expedition, The

22 September 1964: Mozambique: Aldeia Chiuta [= Chiuta, Chuta]: TM: 4 [4 - **4** - **4**].

Total Specimens for Coetzee, C.G.; Seete, J.M.; Smithsonian Institute - TM Expedition, The: 4

Coetzee, C.G.; Simoes, A.P.; Rautenbach, Ignatius Lourens [=Naas]

30 May 1978: Namibia: Ganab waterhole: SMW: 2 [2 - **2** - **2**].

Total Specimens for Coetzee, C.G.; Simoes, A.P.; Rautenbach, Ignatius Lourens [=Naas]: 2

Coetzee, C.G.; Smithsonian Expedition, The

28 July 1964: Mozambique: Muchena: TM: 1 [1 - **1** - **1**].
7 August 1964: Mozambique: Vila Gamito: TM: 1 [1 - **1** - **1**].
9 August 1964: Mozambique: Vila Gamito: TM: 9 [9 - **9** - **9**].

Total Specimens for Coetzee, C.G.; Smithsonian Expedition, The: 11

Coetzee, N.

16 March 1967: South Africa: Pietersburg, farm near: ROM: 1 [1 - **1** - **1**].

Total Specimens for Coetzee, N.: 1

Coetzee, P.W.

2 December 1985: Namibia: Windhoek Hoerskloof: SMW: 1 [1 - **1** - **1**].

Total Specimens for Coetzee, P.W.: 1

Coetzee; le Riche, B.

29 April 1965: South Africa: Kalahari Gemsbok-NP, Twee Riveren: TM: 1 [1 - **1** - **1**].

Total Specimens for Coetzee; le Riche, B.: 1

Coghill, D.

1 January 1933: South Africa: Natal: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Coghill, D.: 1

Cohen, Lientjie

Collection Date Unknown: South Africa: Loskopdam Nature Reserve: TM: 1 [1 - **1** - **1**].
25 July 1999: South Africa: Rietfontein Farm 536 KQ: TM: 1 [1 - **1** - **1**].
2 August 1999: South Africa: Lydenburg Fisheries: TM: 1 [1 - **1** - **1**].
11 January 2001: South Africa: Farm De Kafferskraal 53JT: TM: 1 [1 - **1** - **1**].
15 January 2001: South Africa: Lydenburg: TM: 1 [1 - **1** - **1**].
5 February 2001: South Africa: Farm Vergelegen 80JS, Loskop Dam Wall Inspection Tunnel: TM: 1 [1 - **1** - **1**].
21 February 2001: South Africa: Townlands of Mathinus Wesselstroom: TM: 1 [1 - **1** - **1**].
3 March 2001: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].
16 March 2001: South Africa: Lydenburg Fisheries: TM: 1 [1 - **1** - **1**].
15 April 2001: South Africa: Farm Elandsfontein 435KT: TM: 2 [2 - **2** - **2**].
6 May 2001: South Africa: Berlin: TM: 2 [2 - **2** - **2**].
3 March 2002: South Africa: Farm Sudwalaskraal 271JT: TM: 1 [1 - **1** - **1**].
5 May 2002: South Africa: Farm Klipgat 217JT: TM: 2 [2 - **2** - **2**].
6 May 2002: South Africa: Farm Sterkspruit 412KT: TM: 1 [1 - **1** - **1**].
6 July 2002: South Africa: Farm Elandsfontein 435KT, Bourke's Luck: TM: 2 [2 - **2** - **2**].
3 August 2002: South Africa: Farm Wakkersdal 436KT: TM: 1 [1 - **1** - **1**].
5 October 2002: South Africa: Farm Sterkspruit 412KT: TM: 1 [1 - **1** - **1**].
6 October 2002: South Africa: Farm Sterkspruit 412KT: TM: 2 [2 - **2** - **2**].
3 November 2002: South Africa: Farm Haffenden Heights 35KT: TM: 2 [2 - **2** - **2**].
6 July 2003: South Africa: Farm Skoongesig 360JS, Languitsig: TM: 2 [2 - **2** - **2**].
16 July 2003: South Africa: Farm Victoriaspoort 18IT: TM: 3 [3 - **3** - **3**].
13 August 2003: South Africa: Ngodwena: TM: 1 [1 - **1** - **1**].
7 September 2003: South Africa: Perkeo ? 223KT: TM: 1 [1 - **1** - **1**].
6 January 2004: South Africa: Mpumalanga province: TM: 1 [1 - **1** - **1**].
10 January 2004: South Africa: Farm Klipsteen 67JT: TM: 1 [1 - **1** - **1**].
24 January 2004: South Africa: Farm Badfontein 114JT, Kwena: TM: 1 [1 - **1** - **1**].
28 September 2004: South Africa: Mountainland Nature Reserve: DNSM: 1 [1 - **1** - **1**].
25 October 2004: South Africa: Kaalrug: TM: 2 [2] - Mpumalanga province: TM: 3 [3 - **5** - **5**].
26 October 2004: South Africa: Malelane Old Mine Shaft: TM: 4 [4 - **4** - **4**].
27 October 2004: South Africa: Farm Waterval: TM: 2 [2] - Mpumalanga province: TM: 1 [1 - **3** - **3**].
10 February 2005: South Africa: Dullstroom Town: TM: 2 [2 - **2** - **2**].
11 April 2005: South Africa: ???: TM: 1 [1 - **1** - **1**].
26 April 2005: South Africa: ???: TM: 2 [2 - **2** - **2**].
17 May 2005: South Africa: Mpumalanga province: TM: 1 [1 - **1** - **1**].
4 October 2005: South Africa: Farm In-de-Diepte 164JT: TM: 2 [2 - **2** - **2**].
8 October 2005: South Africa: Lydenburg Fisheries: TM: 1 [1 - **1** - **1**].
27 October 2005: South Africa: Farm Tenbosch 112JU: TM: 1 [1 - **1** - **1**].
28 October 2005: South Africa: Farm Thankerton 175JU: TM: 1 [1 - **1** - **1**].

Total Specimens for Cohen, Lientjie: 59

Cohen, Lientjie; Fernsby, Nigel

17 February 2001: South Africa: Farm Victoriaspoort 18IT: TM: 3 [3 - **3** - **3**].

Total Specimens for Cohen, Lientjie; Fernsby, Nigel: 3

Cohen, Lientjie; Fernsby, Nigel; Burrows, J.

14 November 2003: South Africa: Buffelskloof Private Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Cohen, Lientjie; Fernsby, Nigel; Burrows, J.: 1

Colback

16 July 1942: Congo (Democratic Republic of the): Léopoldville: RMCA: 2 [2 - **2** - **2**].
14 January 1943: South Africa: Cares: RMCA: 2 [2 - **2** - **2**].

15 March 1943: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
18 January 1945: South Africa: Pretoria: RMCA: 1 [1 - **1** - **1**].
19 January 1945: South Africa: Pretoria: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Colback: 7

Cole, Ronald E.

Collection Date Unknown: Mozambique: Chimonzo: USNM: 2 [2] - Jongamo: USNM: 3 [3] - Massangena: USNM: 1 [1] - Massinga, 2 km S: USNM: 2 [2] - Panda: USNM: 7 [7] - Posto Inhaca: USNM: 4 [4 - **19** - **19**].
29 September 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 1 [1 - **1** - **1**].
17 September 1963: South Africa: Newington, 3 mi WNW: USNM: 1 [1 - **1** - **1**].
2 November 1963: South Africa: Uitkomst, Farm 499: USNM: 7 [7 - **7** - **7**].
3 November 1963: South Africa: Uitkomst, Farm 499: USNM: 10 [10 - **10** - **10**].
4 November 1963: South Africa: Uitkomst, Farm 499: USNM: 13 [13 - **13** - **13**].
20 November 1963: Namibia: Namibia Desert Research Station [= DERU]: USNM: 2 [2 - **2** - **2**].
22 November 1963: Namibia: Gobabeb: USNM: 1 [1] - Namibia Desert Research Station [= DERU]: USNM: 1 [1 - **2** - **2**].
24 November 1963: Namibia: Namibia Desert Research Station [= DERU]: USNM: 1 [1 - **1** - **1**].
25 November 1963: Namibia: Gobabeb: USNM: 1 [1 - **1** - **1**].
7 December 1963: South Africa: Modderfontein, farm: USNM: 1 [1 - **1** - **1**].
8 December 1963: South Africa: Modderfontein: USNM: 1 [1] - Modderfontein, farm: USNM: 1 [1 - **2** - **2**].
10 December 1963: South Africa: Modderfontein, farm: USNM: 2 [2 - **2** - **2**].
11 December 1963: South Africa: Modderfontein, farm: USNM: 2 [2 - **2** - **2**].
16 January 1964: Mozambique: Marine Research Station: USNM: 21 [21 - **21** - **21**].
17 January 1964: Mozambique: Marine Research Station: USNM: 3 [3 - **3** - **3**].
18 January 1964: Mozambique: Marine Research Station: USNM: 1 [1] - Posto Inhaca: USNM: 5 [5 - **6** - **6**].
19 January 1964: Mozambique: Marine Research Station: USNM: 1 [1 - **1** - **1**].
7 February 1964: Mozambique: Massangena: USNM: 4 [4 - **4** - **4**].
11 February 1964: Mozambique: Chigubo: USNM: 12 [12 - **12** - **12**].
17 February 1964: Mozambique: Chigubo: USNM: 18 [18 - **18** - **18**].
21 February 1964: Mozambique: Chimonzo: USNM: 1 [1 - **1** - **1**].
23 February 1964: Mozambique: Chimonzo: USNM: 16 [16 - **16** - **16**].
26 February 1964: Mozambique: Chimonzo: USNM: 10 [10 - **10** - **10**].
1 March 1964: Mozambique: Inyoka Mountain: USNM: 1 [1 - **1** - **1**].
12 March 1964: Mozambique: Moamba: USNM: 10 [10 - **10** - **10**].
24 March 1964: Mozambique: Mombane: USNM: 8 [8 - **8** - **8**].
8 April 1964: Mozambique: Massinga, 2 km N: USNM: 3 [3 - **3** - **3**].
9 April 1964: Mozambique: Massinga, 2 km N: USNM: 25 [25 - **25** - **25**].
11 April 1964: Mozambique: Massinga: USNM: 14 [14] - Massinga, 2 km S: USNM: 2 [2 - **16** - **16**].
13 April 1964: Mozambique: Jangamo: USNM: 9 [9] - Jongamo: USNM: 1 [1 - **10** - **10**].
14 April 1964: Mozambique: Jangamo: USNM: 2 [2 - **2** - **2**].
16 April 1964: Mozambique: Jongamo: USNM: 21 [21 - **21** - **21**].
20 April 1964: Mozambique: Panda, 4 km N: USNM: 10 [10 - **10** - **10**].
21 April 1964: Mozambique: Panda: USNM: 10 [10 - **10** - **10**].
27 April 1964: Mozambique: Coguno: USNM: 18 [18 - **18** - **18**].

Total Specimens for Cole, Ronald E.: 290

Cole, Ronald E.; Haacke, W.

1 March 1964: Mozambique: Inyoka Mountain: USNM: 4 [4 - **4** - **4**].

Total Specimens for Cole, Ronald E.; Haacke, W.: 4

Collart

Collection Date Unknown: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
5 February 1928: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
1 March 1928: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
4 March 1928: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
5 April 1928: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
16 July 1928: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
1 March 1929: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
2 July 1929: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Collart: 8

Colley, W.

16 May 1959: Tanzania: Unknown locality: SMF: 2 [2] - Moshi: ROM: 1 [1 - **3** - **3**].

Total Specimens for Colley, W.: 3

Collins, Alfred Morris

29 August 1924: Congo (Democratic Republic of the): Catchpole's Farm: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Collins, Alfred Morris: 1

Colsoulle

Collection Date Unknown: Congo (Democratic Republic of the): Boma: RMCA: 54 [54 - **54** - **54**].

Total Specimens for Colsoulle: 54

Colyn, Marc

1 December 1977: Congo (Democratic Republic of the): Kongolo, island: RMCA: 1 [1 - **1** - **1**].
1 July 1981: Congo (Democratic Republic of the): Digba: RMCA: 1 [1 - **1** - **1**].
1 January 1982: Congo (Democratic Republic of the): Ishango River: RMCA: 4 [4] - Tshakala: RMCA: 21 [21 - **25** - **25**].
1 April 1982: Congo (Democratic Republic of the): Kongolo, island: RMCA: 1 [1 - **1** - **1**].
1 May 1982: Congo (Democratic Republic of the): Babongena: RMCA: 5 [5 - **5** - **5**].
1 June 1982: Congo (Democratic Republic of the): Kisangani: RMCA: 59 [59] - Tshopo: RMCA: 2 [2 - **61** - **61**].
1 July 1984: Congo (Democratic Republic of the): Tshakala: RMCA: 1 [1 - **1** - **1**].
1 August 1984: Congo (Democratic Republic of the): Amadjabe: RMCA: 1 [1 - **1** - **1**].
1 February 1985: Congo (Democratic Republic of the): Tshakala: RMCA: 1 [1 - **1** - **1**].
1 July 1985: Congo (Democratic Republic of the): Kisangani: RMCA: 2 [2 - **2** - **2**].
1 September 1985: Congo (Democratic Republic of the): Kisangani: RMCA: 2 [2] - Tshopo: RMCA: 1 [1 - **3** - **3**].
16 September 1985: Congo (Democratic Republic of the): Lubutu: RMCA: 1 [1 - **1** - **1**].
1 January 1993: Central African Republic: Unknown locality: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Colyn, Marc: 104

Compagnie du Kassai, La

Collection Date Unknown: Congo (Democratic Republic of the): Kasai: RMCA: 9 [9 - **9** - **9**].

Total Specimens for Compagnie du Kassai, La: 9

Condy, J.B.

3 October 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 2 [2 - **2** - **2**].

Total Specimens for Condy, J.B.: 2

Confalonieri, Carlo

7 December 1926: Libya: Giarabub Oasis: MSNG: 4 [4 - **4** - **4**].

Total Specimens for Confalonieri, Carlo: 4

Congdon, T.C.E.

5 January 1983: Tanzania: Kibwele: SMF: 1 [1 - **1** - **1**].

Total Specimens for Congdon, T.C.E.: 1

Conicks

22 August 1960: Tanzania: Mwaya: HZM: 1 [1 - **1** - **1**].

Total Specimens for Conicks: 1

Conover, (Henry) Boardman
(18 January 1892: Chicago - 5 May 1950: Chicago)

13 August 1926: Tanzania: Dar es Salaam: FMNH: 1 [1 - **1** - **1**].
26 September 1926: Tanzania: Matanilas: FMNH: 1 [1 - **1** - **1**].
1 October 1926: Tanzania: Matanilas: FMNH: 1 [1 - **1** - **1**].
20 February 1927: Tanzania: Katungulu: FMNH: 1 [1 - **1** - **1**].
23 February 1927: Tanzania: Katungulu: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Conover, (Henry) Boardman: 5

Conradt

Collection Date Unknown: Cameroon: Unknown locality: ZMB: 1 [1] - Lake Baromi,Johan-Albrechtshöhe: ZMB: 1 [1 - **2**].
Togo: Bismarckburg [=Adéle]: ZMB: 2 [2] - no specific locality: ZMB: 2 [2 - **4** - **6**].

Total Specimens for Conradt: 6

Constantine, Denny G.

7 July 1952: Senegal: Saint-Louis: MVZ: 1 [1 - **1** - **1**].
31 March 2001: South Africa: Sabie Forest Rest Area: MVZ: 2 [2 - **2** - **2**].

Total Specimens for Constantine, Denny G.: 3

Conway, Tenley M.

6 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
7 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].
8 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 3 [3 - **3** - **3**].
9 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].
10 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].
11 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
14 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Conway, Tenley M.: 12

Cook, Orator Fuller
(28 May 1867: Clyde - 23 April 1949: Lanham)

Collection Date Unknown: Liberia: St. Paul's River: USNM: 1 [1 - **1** - **1**].
1 June 1892: Liberia: Unknown locality: USNM: 1 [1] - St. Paul's River: USNM: 1 [1 - **2** - **2**].
1 May 1894: Liberia: Coffee, Mount: USNM: 2 [2 - **2** - **2**].

Total Specimens for Cook, Orator Fuller: 5

Cook, Orator Fuller; Collins, Guy N.

1 January 1897: Liberia: Mount Coffee: USNM: 1 [1 - **1** - **1**].

Total Specimens for Cook, Orator Fuller; Collins, Guy N.: 1

Cook, P.

6 July 1961: Uganda: Kampala: HZM: 1 [1 - **1** - **1**].
9 August 1961: Uganda: Katatemwa: HZM: 1 [1 - **1** - **1**].

Total Specimens for Cook, P.: 2

Cooke, Caleb

Collection Date Unknown: Tanzania: Unknown locality: MCZ: 3 [3] - Zanzibar: MCZ: 10 [10] - Zanzibar, W coast: MCZ: 6 [6 - **19** - **19**].
1 January 1862: Tanzania: Zanzibar: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Cooke, Caleb: 21

Cooke, M.L.; Natal Parks Board, The

26 July 1987: South Africa: Hlabisa: TM: 1 [1 - **1** - **1**].

Total Specimens for Cooke, M.L.; Natal Parks Board, The: 1

Coolidge, Harold Jefferson
(1904 - 1985)

1 January 1927: Congo (Democratic Republic of the): Bumba: MCZ: 1 [1 - **1** - **1**].
1 April 1927: Congo (Democratic Republic of the): Bunia: MCZ: 3 [3 - **3** - **3**].

Total Specimens for Coolidge, Harold Jefferson: 4

Coolidge, Harold Jefferson; Whitman, L.

13 January 1927: Congo (Democratic Republic of the): Stanleyville: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Coolidge, Harold Jefferson; Whitman, L.: 1

Coombs, C.

21 August 1923: South Africa: Farm 489, Hennops River: TM: 1 [1 - **1** - **1**].

Total Specimens for Coombs, C.: 1

Cooper, B.

Collection Date Unknown: Tanzania: Manyara, Lake: BMNH: 3 [3 - **3** - **3**].
5 August 1937: Tanzania: Mbulu: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Cooper, B.: 5

Cooper, G.P.

Collection Date Unknown: Liberia: Unknown locality: YPM: 1 [1 - **1** - **1**].

Total Specimens for Cooper, G.P.: 1

Cooper, O.

Collection Date Unknown: Egypt: Siwa Oasis: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Cooper, O.: 1

Cooper, R.

Collection Date Unknown: South Africa: Sibaya: TM: 2 [2 - **2** - **2**].

Total Specimens for Cooper, R.: 2

Cooper, R.L.

Collection Date Unknown: South Africa: Ingwavuma: TM: 1 [1 - **1** - **1**].

Total Specimens for Cooper, R.L.: 1

Cope, J.

1 January 1953: Botswana: Tsau: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Cope, J.: 1

Copley, A.

27 July 1957: South Africa: Skurweberg cave: TM: 2 [2 - **2** - **2**].

Total Specimens for Copley, A.: 2

Copley, R.B.

6 January 1958: South Africa: Zebedula: TM: 1 [1 - **1** - **1**].
7 January 1958: South Africa: Farm Modderfontein, Howel Davies Caves: TM: 4 [4] - Zebedielo: SMF: 1 [1 - **5** - **5**].
8 January 1958: South Africa: Farm Modderfontein, Howel Davies Caves: TM: 1 [1 - **1** - **1**].
13 January 1958: South Africa: Farm Makapansgat 39KS, Ficus cave: TM: 3 [3 - **3** - **3**].
9 February 1958: South Africa: Cave of Death: TM: 1 [1 - **1** - **1**].
15 February 1958: South Africa: Blurweberg cave: TM: 2 [2 - **2** - **2**].
17 February 1958: South Africa: Blurweberg cave: TM: 3 [3] - Skurweberg cave: TM: 1 [1 - **4** - **4**].
2 April 1958: South Africa: Farm Modderfontein, Howell Davies Cave: TM: 1 [1 - **1** - **1**].
7 April 1958: South Africa: Farm Modderfontein, Howel Davies Caves: TM: 2 [2 - **2** - **2**].
9 April 1958: South Africa: Farm Modderfontein, Howel Davies Caves: TM: 1 [1 - **1** - **1**].
10 April 1958: South Africa: Farm Makapansgat 39, Peppercorn Cave [=Peppercorn's, Peppercorn]: TM: 1 [1 - **1** - **1**].
15 April 1958: South Africa: Farm Modderfontein, Howel Davies Caves: TM: 1 [1 - **1** - **1**].
27 April 1958: South Africa: West Driefontein caves: TM: 1 [1 - **1** - **1**].
14 June 1958: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: TM: 1 [1 - **1** - **1**].
16 June 1958: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: TM: 1 [1 - **1** - **1**].
30 June 1958: South Africa: Farm Modderfontein, Howel Davies Caves: TM: 3 [3 - **3** - **3**].
12 July 1959: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: SMF: 2 [2 - **2** - **2**].
3 June 1962: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: TM: 5 [5 - **5** - **5**].
19 August 1962: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: TM: 1 [1 - **1** - **1**].
28 February 1966: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: TM: 1 [1 - **1** - **1**].
25 May 1967: Namibia: Uis tin mine: ROM: 6 [6 - **6** - **6**].
24 October 1990: South Africa: Mphahlele River: TM: 1 [1 - **1** - **1**].

Total Specimens for Copley, R.B.: 45

Copley, R.B.; Siegrist, Q.

29 December 1961: South Africa: Waterberg, Rooiberg: ROM: 2 [2 - **2** - **2**].
19 August 1962: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: TM: 3 [3 - **3** - **3**].

Total Specimens for Copley, R.B.; Siegrist, Q.: 5

Corbet, Gordon B.

28 September 1960: Kenya: Port Reitz: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Corbet, Gordon B.: 1

Corbet, Gordon B.; Ingles, Jane M.

Collection Date Unknown: Tanzania: Mto-Wa-Mbo: BMNH: 1 [1 - **1** - **1**].
15 August 1965: Kenya: Kivumoni Forest: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Corbet, Gordon B.; Ingles, Jane M.: 2

Cordeiro, Norbert J.

30 August 1996: Tanzania: Mgambo Forest Reserve: FMNH: 3 [3 - **3** - **3**].
31 August 1996: Tanzania: Mgambo Forest Reserve: FMNH: 1 [1 - **1** - **1**].
2 September 1996: Tanzania: Mgambo Forest Reserve: FMNH: 1 [1 - **1** - **1**].
6 September 1996: Tanzania: Mgambo Forest Reserve: FMNH: 1 [1 - **1** - **1**].
7 September 1996: Tanzania: Mgambo Forest Reserve: FMNH: 1 [1 - **1** - **1**].
5 June 1998: Tanzania: Kihansi Gorge: FMNH: 2 [2 - **2** - **2**].
6 June 1998: Tanzania: Kihansi Gorge: FMNH: 3 [3 - **3** - **3**].
9 June 1998: Tanzania: Kihansi Gorge: FMNH: 5 [5 - **5** - **5**].
11 June 1998: Tanzania: Kihansi Gorge: FMNH: 4 [4 - **4** - **4**].

Total Specimens for Cordeiro, Norbert J.: 21

Cornet; Taufflieb, R.

16 April 1965: Senegal: M'Bour: MHNG: 1 [1 - **1** - **1**].
12 July 1965: Senegal: Bandia: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Cornet; Taufflieb, R.: 2

Correia, José G. d.

1 March 1929: Equatorial Guinea: St. Thomas, Island: AMNH: 3 [3 - **3** - **3**].

Total Specimens for Correia, José G. d.: 3

Cory, Charles Barney
(31 January 1857: Boston - 31 July 1921)

23 January 1875: Egypt: Denderah Temple: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Cory, Charles Barney: 1

Cosins

Collection Date Unknown: Kenya: Guaso Nyiro: BMNH: 1 [1 - **1**].
Uganda: Moroto: BMNH: 1 [1 - **1** - **2**].

Total Specimens for Cosins: 2

Cotterill, F.P.D. [=Woody]

21 January 1986: Zimbabwe: The Homestead: TM: 2 [2 - **2** - **2**].
11 October 1990: Zambia: Ikelenge Pedicle between the Sakeji and Zambezi rivers, approximately 11 km NNE of source of Zambezi river, Kavunda: HZM: 1, NHMZ: 2 [3 - **3** - **3**].
22 November 1992: Zimbabwe: Lunare valley: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Cotterill, F.P.D. [=Woody]: 6

Cotterill, F.P.D. [=Woody]; Taylor, Peter John

26 October 2000: Zimbabwe: Lutope Ngolangola Confluence: NHMZ: 2 [2 - **2** - **2**].

Total Specimens for Cotterill, F.P.D. [=Woody]; Taylor, Peter John: 2

Cottrell, G. William

1 July 1958: Kenya: Lake Naivasha: MCZ: 11 [11 - **11** - **11**].
5 July 1958: Uganda: Entebbe: MCZ: 7 [7 - **7** - **7**].
7 July 1958: Uganda: Mubende: MCZ: 2 [2 - **2** - **2**].
14 July 1958: Uganda: Mweya: MCZ: 4 [4 - **4** - **4**].

Total Specimens for Cottrell, G. William: 24

Coulon

Collection Date Unknown: Congo (Democratic Republic of the): Sakania: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Coulon: 1

Cousins, S.H.; Pitt, D.

10 January 1970: Sierra Leone: Kissey: ROM: 1 [1 - **1** - **1**].
10 February 1970: Sierra Leone: Kissey: ROM: 3 [3 - **3** - **3**].
12 February 1970: Sierra Leone: Mount Aureol: ROM: 1 [1 - **1** - **1**].
13 February 1970: Sierra Leone: Mount Aureol: ROM: 1 [1 - **1** - **1**].
14 February 1970: Sierra Leone: Mount Aureol: ROM: 1 [1 - **1** - **1**].
20 February 1970: Sierra Leone: Mount Aureol: ROM: 1 [1 - **1** - **1**].
6 March 1970: Sierra Leone: Newton: ROM: 1 [1 - **1** - **1**].
10 March 1970: Sierra Leone: Newton: ROM: 2 [2 - **2** - **2**].

Total Specimens for Cousins, S.H.; Pitt, D.: 11

Cowan, W. Deans

Collection Date Unknown: Madagascar: Fianarantsoa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Cowan, W. Deans: 1

Cowles, Raymond Bridgeman
(1896: South Africa - 1975: US)

5 February 1926: South Africa: Umzumbi Mission: AMNH: 2 [2 - **2** - **2**].
15 February 1926: South Africa: Umzumbi Mission: AMNH: 1 [1 - **1** - **1**].
25 February 1926: South Africa: Umzumbi Mission: AMNH: 1 [1 - **1** - **1**].
2 March 1926: South Africa: Umzumbi Mission: AMNH: 1 [1 - **1** - **1**].
7 March 1926: South Africa: Umzumbi Mission: AMNH: 1 [1 - **1** - **1**].
19 March 1926: South Africa: Umzumbi Mission: AMNH: 1 [1 - **1** - **1**].
19 May 1926: South Africa: Umzumbi Mission: AMNH: 1 [1 - **1** - **1**].
10 June 1926: South Africa: Umzumbi Mission: AMNH: 1 [1 - **1** - **1**].
10 July 1926: South Africa: Umzumbi Mission: AMNH: 1 [1 - **1** - **1**].
18 July 1926: South Africa: Adams M.S.: AMNH: 1 [1 - **1** - **1**].
22 September 1926: South Africa: Umzumbi Mission: AMNH: 1 [1 - **1** - **1**].
8 October 1926: South Africa: Umzumbi Mission: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Cowles, Raymond Bridgeman: 13

Cox, Newman Hall Dervis

Collection Date Unknown: Cameroon: Batanga: USNM: 1 [1 - **1** - **1**].

Total Specimens for Cox, Newman Hall Dervis: 1

Coyler, F.

Collection Date Unknown: Comoros: Grand Comoro Island: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Coyler, F.: 1

Cozens, A.B.

Collection Date Unknown: Nigeria: Ibadan: BMNH: 1 [1] - Umuahia: BMNH: 2 [2 - **3** - **3**].
4 April 1952: Nigeria: Umuahia: USNM: 1 [1 - **1** - **1**].
21 August 1952: Nigeria: Umuahia: BMNH: 2 [2 - **2** - **2**].
8 October 1952: Nigeria: Umuahia: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Cozens, A.B.: 7

Cozens, G.P.; Swinny, H.H.

8 September 1919: Tanzania: Kisarawe: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Cozens, G.P.; Swinny, H.H.: 1

Crack, I.J.

19 December 1958: South Africa: Lombardy Willows: TM: 2 [2 - **2** - **2**].

Total Specimens for Crack, I.J.: 2

Craigie, John

1 February 1998: South Africa: Albert Falls Nature Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Craigie, John: 1

Crawford de Meneses Cabral, João

2 March 1963: Angola: Sá da Bandeira: RMCA: 2 [2 - **2** - **2**].
26 October 1963: Angola: Fazenda Cacanda: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Crawford de Meneses Cabral, João: 3

Creighton, G. Kenneth

9 August 1987: Madagascar: Kianjavato: AMNH: 1 [1 - **1** - **1**].
15 September 1989: Madagascar: Mandena Forest: USNM: 2 [2 - **2** - **2**].
25 September 1989: Madagascar: Petriky Forest: USNM: 1 [1 - **1** - **1**].
5 October 1989: Madagascar: Sainte Luce Forest: USNM: 1 [1] - Sainte-Luce forest: USNM: 1 [1 - **2** - **2**].
13 October 1989: Madagascar: Sainte Luce Forest: USNM: 1 [1 - **1** - **1**].
20 October 1989: Madagascar: Sainte Luce Forest: USNM: 2 [2 - **2** - **2**].
22 October 1989: Madagascar: Sainte Luce Forest: USNM: 2 [2 - **2** - **2**].
23 October 1989: Madagascar: Sainte Luce Forest: USNM: 2 [2 - **2** - **2**].
17 November 1989: Madagascar: Tolagnaro, 2 km WNW: USNM: 20 [20 - **20** - **20**].
18 December 1989: Madagascar: Fort Dauphin: USNM: 1 [1 - **1** - **1**].
1 January 1990: Madagascar: Ambovombe: USNM: 18 [18] - Ranopiso, 20 km WNW and Amboasary, 12 km ENE: USNM: 14 [14] - Tolanaro: USNM: 1 [1 - **33** - **33**].
5 November 1990: Madagascar: Forêt d'Analalava: USNM: 2 [2 - **2** - **2**].
6 November 1990: Madagascar: Ampanibe: USNM: 2 [2 - **2** - **2**].
7 November 1990: Madagascar: Manantenina: USNM: 46 [46 - **46** - **46**].
29 November 1990: Madagascar: Nahampoana: USNM: 3 [3] - Nahampoana Forest: USNM: 15 [15 - **18** - **18**].
3 December 1990: Madagascar: Beraketa: USNM: 1 [1] - Bevaho: USNM: 29 [29 - **30** - **30**].

Total Specimens for Creighton, G. Kenneth: 165

Creighton, G. Kenneth; Emmons, Louise H.

23 July 1987: Madagascar: Ambodiamontana: USNM: 1 [1 - **1** - **1**].
9 August 1987: Madagascar: Kianjavato, 0.5 km N: USNM: 6 [6 - **6** - **6**].
10 August 1987: Madagascar: Kianjavato, 0.5 km N: USNM: 4 [4 - **4** - **4**].
11 August 1987: Madagascar: Kianjavato, 0.5 km N: USNM: 4 [4 - **4** - **4**].
12 August 1987: Madagascar: Kianjavato, 0.5 km N: USNM: 18 [18 - **18** - **18**].

Total Specimens for Creighton, G. Kenneth; Emmons, Louise H.: 33

Creighton, G. Kenneth; Goodman, Steven M.

17 November 1989: Madagascar: Tolagnaro, 2 km WNW: USNM: 13 [13 - **13** - **13**].

Total Specimens for Creighton, G. Kenneth; Goodman, Steven M.: 13

Creighton, G. Kenneth; Raholimavo, E.

29 September 1990: Madagascar: Manantanely Forest: USNM: 1 [1 - **1** - **1**].
6 October 1990: Madagascar: Nahampoana: USNM: 10 [10] - Nahampoana Forest: USNM: 5 [5 - **15** - **15**].
8 October 1990: Madagascar: Ranopiso, 20 km WNW and Amboasary, 12 km ENE: USNM: 1 [1 - **1** - **1**].
9 October 1990: Madagascar: Ranopiso, 20 km WNW and Amboasary, 12 km ENE: USNM: 2 [2 - **2** - **2**].
10 October 1990: Madagascar: Ambovombe: USNM: 65 [65] - Ankapoky: USNM: 2 [2 - **67** - **67**].
11 October 1990: Madagascar: Ankapoky: USNM: 3 [3] - Bevilany: USNM: 15 [15] - near Itaranta River: USNM: 3 [3] - Ranopiso, 20 km WNW and Amboasary, 12 km ENE: USNM: 5 [5 - **26** - **26**].
19 October 1990: Madagascar: Manantantely: USNM: 6 [6 - **6** - **6**].
28 October 1990: Madagascar: Marovony Forest: USNM: 2 [2 - **2** - **2**].
29 October 1990: Madagascar: Marovony Forest: USNM: 1 [1 - **1** - **1**].

29 November 1990: Madagascar: Nahampoana: USNM: 3 [3 - **3** - **3**].

Total Specimens for Creighton, G. Kenneth; Raholimavo, E.: 124

Creighton, G. Kenneth; Ryan, J.M.

28 July 1988: Madagascar: Vatovavy: USNM: 1 [1 - **1** - **1**].
29 July 1988: Madagascar: Vatovavy: USNM: 2 [2 - **2** - **2**].
30 July 1988: Madagascar: Vatovavy: USNM: 6 [6 - **6** - **6**].
31 July 1988: Madagascar: Vatovavy: USNM: 1 [1 - **1** - **1**].
3 August 1988: Madagascar: Kianjavato, 4 km E by road: USNM: 14 [14 - **14** - **14**].
10 August 1988: Madagascar: Ifanadiana, 6 km SSW: USNM: 18 [18 - **18** - **18**].
19 August 1988: Madagascar: Andrambovata, 2 km NE: USNM: 1 [1] - Andrambovato, 2 km NE: USNM: 2 [2 - **3** - **3**].
20 August 1988: Madagascar: Andrambovato, 2 km NE: USNM: 9 [9 - **9** - **9**].
8 December 1989: Madagascar: Marasohy Forest: USNM: 2 [2 - **2** - **2**].

Total Specimens for Creighton, G. Kenneth; Ryan, J.M.: 56

Criblez, Matthew

12 October 1990: Burundi: Kigwena Hill: FMNH: 1 [1 - **1** - **1**].
13 October 1990: Burundi: Kigwena Hill: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Criblez, Matthew: 3

Crick, H.

1 January 1979: Nigeria: Kano: HZM: 1 [1 - **1** - **1**].

Total Specimens for Crick, H.: 1

Crofse, H.

Collection Date Unknown: Nigeria: Asaba: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Crofse, H.: 1

Crossley, Alfred

Collection Date Unknown: Madagascar: Unknown locality: ZMB: 1 [1] - Vohemar: BMNH: 1 [1 - **2** - **2**].

Total Specimens for Crossley, Alfred: 2

Crouch, Tanza E.

30 December 1997: South Africa: Hella Hella Game Valley Estates: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Crouch, Tanza E.: 1

Crowcroft, W.P.

Collection Date Unknown: Zimbabwe: Doddieburn: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Crowcroft, W.P.: 1

Crowson, J.

1 January 1985: South Africa: Mount Currie Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Crowson, J.: 1

Crowson, T.

21 November 1984: South Africa: Mount Currie Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Crowson, T.: 1

Cruikshank, R.

7 December 1974: South Africa: Rocher Pan Nature Reserve [=Rocher pan, Rocherpan]: SAMC: 1 [1 - **1** - **1**].
12 December 1974: South Africa: Rocher Pan Nature Reserve [=Rocher pan, Rocherpan]: SAMC: 1 [1 - **1** - **1**].

Total Specimens for Cruikshank, R.: 2

Csorba, Gábor

26 March 1988: Algeria: Ain Cheurfas: HNHM: 3 [3] - Cheurfas Barrage: HNHM: 4 [4 - **7** - **7**].
27 March 1988: Algeria: Ain Cheurfas: HNHM: 5 [5] - Cheurfas Barrage: HNHM: 5 [5 - **10** - **10**].

Total Specimens for Csorba, Gábor: 17

Cuisance, Dominique

1 January 1986: Zimbabwe: South Rhodesia: MNHN: 2 [2 - **2** - **2**].
28 July 1986: Zimbabwe: Kudzwé [dam]: MNHN: 1 [1 - **1** - **1**].
31 July 1986: Zimbabwe: Kudzwé [dam]: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Cuisance, Dominique: 5

Cuming, W.

1 January 1852: Equatorial Guinea: Fernando Poo: SMF: 1 [1 - **1** - **1**].

Total Specimens for Cuming, W.: 1

Cunliffe, R.

8 April 1980: Zimbabwe: Falcon College School, Mine shaft: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Cunliffe, R.: 1

Currie, Rolla Patterson
(1875 -)

3 January 1897: Liberia: Mount Coffee: USNM: 1 [1 - **1** - **1**].
23 February 1897: Liberia: Mount Coffee: USNM: 1 [1 - **1** - **1**].
1 April 1897: Liberia: Mount Coffee: USNM: 2 [2 - **2** - **2**].
16 April 1897: Liberia: Mount Coffee: USNM: 1 [1 - **1** - **1**].
22 April 1897: Liberia: Mount Coffee: USNM: 1 [1 - **1** - **1**].
20 January 1965: Kenya: Mombassa: SMF: 1 [1 - **1** - **1**].

Total Specimens for Currie, Rolla Patterson: 7

Curry, Noreen

1 March 1968: Kenya: Suyan Lugga: ROM: 4 [4 - **4** - **4**].
1 April 1968: Kenya: Ami River: ROM: 1 [1] - Shimoni cave: ROM: 21 [21 - **22** - **22**].

Total Specimens for Curry, Noreen: 26

Curry, Noreen; Glen, Robert M.

1 March 1968: Kenya: Suyan Lugga: ROM: 3 [3 - **3** - **3**].
1 April 1968: Kenya: Shimoni cave: ROM: 6 [6 - **6** - **6**].

Total Specimens for Curry, Noreen; Glen, Robert M.: 9

Cutte

Collection Date Unknown: Madagascar: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Cutte: 1

da Costa, D.

Collection Date Unknown: Guinea-Bissau: Bolama: MLZA: 1 [1 - **1** - **1**].

Total Specimens for da Costa, D.: 1

Dachsel, M.

1 January 1975: Morocco: Unknown locality: SMF: 1 [1 - **1** - **1**].

Total Specimens for Dachsel, M.: 1

Dadson, J.E.

2 March 1946: Ghana: Sekondi: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Dadson, J.E.: 1

Daily News Abyssinia expedition, The

31 March 1927: Ethiopia: Dungulbar, near: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Daily News Abyssinia expedition, The: 1

Dainelli, Giotto
(19 May 1878: Florence - 16 December 1968: Florence)

1 January 1937: Ethiopia: Lake Tana: MZUF: 1 [1 - **1** - **1**].
13 March 1937: Ethiopia: Gorgora: MZUF: 1 [1 - **1** - **1**].

Total Specimens for Dainelli, Giotto: 2

Dalhousie

Collection Date Unknown: Zambia: Chishela dambo: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Dalhousie: 1

Dalquest, Walter Woelberg
(11 September 1917: Seattle - 27 September 2000)

8 October 1963: Mozambique: Beira, 212 km SSW: TTU: 1 [1] - Zinave: KU: 1 [1 - **2** - **2**].
9 October 1963: Mozambique: Zinave: KU: 1 [1 - **1** - **1**].
20 October 1963: Mozambique: Save River, 15 km from mouth: TTU: 1 [1 - **1** - **1**].
21 October 1963: Mozambique: Save River, 15 km from mouth: TTU: 3 [3 - **3** - **3**].
7 October 1965: Mozambique: Beira, 212 km SSW: TTU: 1 [1 - **1** - **1**].
11 October 1965: Mozambique: Beira, 212 km SSW: TTU: 1 [1 - **1** - **1**].
17 October 1965: Mozambique: Zinave: MWSU: 5 [5 - **5** - **5**].

Total Specimens for Dalquest, Walter Woelberg: 14

Dalton

Collection Date Unknown: The Gambia: Unknown locality: USNM: 1 [1 - **1** - **1**].

Total Specimens for Dalton: 1

Dandridge, D.

27 November 1975: Botswana: Xugana, 13 mi [=17 km] N: USNM: 3 [3 - **3** - **3**].

Total Specimens for Dandridge, D.: 3

Daneel, W.B.

7 March 1905: South Africa: Knysna: TM: 1 [1 - **1** - **1**].

Total Specimens for Daneel, W.B.: 1

Daniel

5 January 1912: Congo (Democratic Republic of the): Lukula: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Daniel: 1

Darcis, Georges

1 January 1932: Madagascar: Morondava: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Darcis, Georges: 2

Darling, J.ff.

Collection Date Unknown: Zimbabwe: Mazoe: BMNH: 3 [3 - **3** - **3**].
13 January 1895: Zimbabwe: Mazoe: BMNH: 4 [4 - **4** - **4**].
13 June 1895: Zimbabwe: Mazoe: BMNH: 1 [1 - **1** - **1**].
7 December 1900: Zimbabwe: Mazoe: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Darling, J.ff.: 9

Darlington, Philip Jackson
(14 November 1904: Philadelphia - 16 December 1983: Cambridge)

Collection Date Unknown: South Africa: Transvaal province: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Darlington, Philip Jackson: 1

Dartevelle

Collection Date Unknown: Congo (Democratic Republic of the): Boma: RMCA: 14 [14] - Kalina: RMCA: 1 [1] - Lusanga Mwanza: RMCA: 14 [14] - Matadi: RMCA: 1 [1 - **30** - **30**].
1 January 1933: Congo (Democratic Republic of the): Vista: RMCA: 1 [1 - **1** - **1**].
11 December 1946: Congo (Democratic Republic of the): Makengo: RMCA: 11 [11 - **11** - **11**].
20 January 1947: Congo (Democratic Republic of the): Léopoldville: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Dartevelle: 44

Daut, M.

13 March 1906: Uganda: Mount Ruwenzori: USNM: 1 [1 - **1** - **1**].

Total Specimens for Daut, M.: 1

Davenport, L.

10 September 1990: Burundi: Nyamugari hill: FMNH: 2 [2 - **2** - **2**].
11 September 1990: Burundi: Nyamugari hill: FMNH: 5 [5 - **5** - **5**].
12 September 1990: Burundi: Nyamugari hill: FMNH: 1 [1 - **1** - **1**].
20 April 1991: Burundi: Nyamugari hill: FMNH: 1 [1 - **1** - **1**].
31 March 1992: Burundi: Giserama Colline: FMNH: 1 [1 - **1** - **1**].
1 April 1992: Burundi: Kwogofe Colline: FMNH: 1 [1 - **1** - **1**].
3 April 1992: Burundi: Kwogofe Colline: FMNH: 2 [2 - **2** - **2**].
4 April 1992: Burundi: Kwogofe Colline: FMNH: 2 [2 - **2** - **2**].
5 April 1992: Burundi: Kwogofe Colline: FMNH: 2 [2 - **2** - **2**].
8 April 1992: Burundi: Kwogofe Colline: FMNH: 2 [2 - **2** - **2**].
9 April 1992: Burundi: Kwogofe Colline: FMNH: 1 [1 - **1** - **1**].
10 April 1992: Burundi: Kwogofe Colline: FMNH: 1 [1 - **1** - **1**].
11 April 1992: Burundi: Kwogofe Colline: FMNH: 1 [1 - **1** - **1**].
12 April 1992: Burundi: Kwogofe Colline: FMNH: 1 [1 - **1** - **1**].
9 August 1992: Burundi: Nyagatarugwa River Valley: FMNH: 9 [9 - **9** - **9**].
10 August 1992: Burundi: Nyagatarugwa River Valley: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Davenport, L.: 33

Davey

27 October 1976: Kenya: Kenya: HZM: 1 [1 - **1** - **1**].

Total Specimens for Davey: 1

David

15 April 1960: Nigeria: Ibadan: AMNH: 1 [1 - **1** - **1**].

Total Specimens for David: 1

Davidson, I.

1 December 1965: South Africa: Pirie Trout hatchery: KM: 1 [1 - **1** - **1**].

Total Specimens for Davidson, I.: 1

Davies, J.H.

8 July 1913: Gabon: Mitzic: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Davies, J.H.: 1

Davies, R.; Walker, P.

21 February 1985: South Africa: Msinga pan: TM: 1 [1 - **1** - **1**].

Total Specimens for Davies, R.; Walker, P.: 1

Davis, R.M.

Collection Date Unknown: Mozambique: Beira, 10 km N: USNM: 1 [1 - **1**].
Senegal: Dakar: USNM: 2 [2] - Dialocote: USNM: 17 [17] - Gamon: USNM: 1 [1] - Goudiri: USNM: 5 [5 - **25**].
The Gambia: Toniataba: USNM: 1 [1 - **1** - **27**].
11 July 1964: Mozambique: Boane: USNM: 1 [1 - **1** - **1**].
21 July 1964: Mozambique: Tete, 2 mi SE: USNM: 9 [9] - Vila Machado: USNM: 4 [4 - **13** - **13**].
22 July 1964: Mozambique: Vila Machado: USNM: 4 [4 - **4** - **4**].
23 July 1964: Mozambique: Tete, 2 mi SE: USNM: 26 [26 - **26** - **26**].
29 July 1964: Mozambique: Muchena: USNM: 11 [11 - **11** - **11**].
7 August 1964: Mozambique: Furancungo, 30 mi NNW: USNM: 4 [4 - **4** - **4**].
9 August 1964: Mozambique: Vila Gamito: USNM: 13 [13] - Vila Gamito, 10 km N: USNM: 12 [12 - **25** - **25**].
18 August 1964: Mozambique: Mungari, 5 km N: USNM: 3 [3 - **3** - **3**].
19 August 1964: Mozambique: Mungari, 5 km N: USNM: 2 [2 - **2** - **2**].
23 August 1964: Mozambique: Vila Gouveia: USNM: 13 [13 - **13** - **13**].
24 August 1964: Mozambique: Vila Gouveia: USNM: 11 [11 - **11** - **11**].
25 August 1964: Mozambique: Vila Gouveia: USNM: 6 [6 - **6** - **6**].
30 August 1964: Mozambique: Vila de Manica, 10 km N: USNM: 12 [12 - **12** - **12**].
14 September 1964: Mozambique: Vila Machado, 3 km SE: USNM: 1 [1 - **1** - **1**].
15 September 1964: Mozambique: Vila Machado: USNM: 25 [25 - **25** - **25**].
30 October 1964: Mozambique: Beira,10 km N: USNM: 2 [2 - **2** - **2**].
4 November 1964: Mozambique: Mezimbite: USNM: 2 [2 - **2** - **2**].
5 November 1964: Mozambique: Dondo: USNM: 9 [9 - **9** - **9**].
8 November 1964: Mozambique: Dondo: USNM: 45 [45] - Mezimbite: USNM: 1 [1 - **46** - **46**].
24 January 1965: Botswana: Chobe NP, Kasane: USNM: 9 [9 - **9** - **9**].
26 January 1965: Botswana: Chobe NP, Kasane: USNM: 10 [10 - **10** - **10**].
3 March 1965: Botswana: Maun: USNM: 1 [1 - **1** - **1**].
4 March 1965: Botswana: Maun: USNM: 10 [10 - **10** - **10**].
7 March 1965: Botswana: Sehitwa,10 mi [=16 km] SW: USNM: 8 [8 - **8** - **8**].
9 March 1965: Botswana: Sehitwa,10 mi [=16 km] SW: USNM: 3 [3 - **3** - **3**].
10 March 1965: Botswana: Sehitwa,10 mi [=16 km] SW: USNM: 1 [1 - **1** - **1**].
11 March 1965: Botswana: Sehitwa,10 mi [=16 km] SW: USNM: 2 [2 - **2** - **2**].
20 March 1965: Botswana: Tsau: USNM: 3 [3 - **3** - **3**].
22 March 1965: Botswana: Tsau: USNM: 2 [2 - **2** - **2**].
10 April 1965: Botswana: Drotsky's [= Drodsky] Caves: USNM: 29 [29 - **29** - **29**].
25 April 1965: Botswana: Nata: USNM: 1 [1 - **1** - **1**].
26 April 1965: Botswana: Nata: USNM: 1 [1 - **1** - **1**].
17 November 1965: Senegal: Kaolack, 6 km E: USNM: 13 [13 - **13** - **13**].
18 November 1965: Senegal: Kaolack, 6 km E: USNM: 10 [10 - **10** - **10**].
24 November 1965: Senegal: Kaffrine, 15 km N: USNM: 1 [1 - **1** - **1**].
25 November 1965: Senegal: Kaffrine, 15 km N: USNM: 1 [1 - **1** - **1**].
26 November 1965: Senegal: Kaffrine, 15 km N: USNM: 13 [13 - **13** - **13**].
1 December 1965: Senegal: Kaffrine, 15 km N: USNM: 1 [1 - **1** - **1**].
12 January 1966: The Gambia: Banjul, 8 mi [=13 km] W: USNM: 1 [1 - **1** - **1**].
13 January 1966: The Gambia: Banjul, 8 mi [=13 km] W: USNM: 6 [6] - Bathurst [=Banjul]: USNM: 2 [2] - Bathurst, 8 mi [= 13 km] W: USNM: 4 [4 - **12** - **12**].
28 January 1966: Senegal: Ziguinchor: USNM: 55 [55 - **55** - **55**].
6 February 1966: Senegal: Sedhiou: USNM: 8 [8] - Sedhiou Department: USNM: 1 [1 - **9** - **9**].
15 February 1966: The Gambia: Kudang: USNM: 9 [9 - **9** - **9**].
16 February 1966: The Gambia: Kudang: USNM: 16 [16 - **16** - **16**].
19 February 1966: The Gambia: Kudang: USNM: 6 [6 - **6** - **6**].
21 February 1966: The Gambia: Kudang: USNM: 2 [2 - **2** - **2**].
24 March 1966: Senegal: Podor: USNM: 65 [65 - **65** - **65**].
25 March 1966: Senegal: Podor: USNM: 19 [19 - **19** - **19**].
28 March 1966: Senegal: Cascas: USNM: 12 [12 - **12** - **12**].
29 March 1966: Senegal: Cascas: USNM: 3 [3 - **3** - **3**].
8 April 1966: Senegal: Matam: USNM: 24 [24 - **24** - **24**].
9 April 1966: Senegal: Matam: USNM: 5 [5 - **5** - **5**].
16 April 1966: Senegal: Bakel, 5 km S: USNM: 44 [44 - **44** - **44**].
18 April 1966: Senegal: Ogo: USNM: 5 [5 - **5** - **5**].
20 April 1966: Senegal: Goudiri: USNM: 47 [47 - **47** - **47**].
5 May 1966: Senegal: Dialocote: USNM: 9 [9 - **9** - **9**].
6 May 1966: Senegal: Dialocote: USNM: 29 [29 - **29** - **29**].
7 May 1966: Senegal: Dialocote: USNM: 19 [19 - **19** - **19**].
10 May 1966: Senegal: Gamon: USNM: 1 [1 - **1** - **1**].
11 May 1966: Senegal: Gamon: USNM: 4 [4 - **4** - **4**].
15 May 1966: Senegal: Linguere: USNM: 1 [1 - **1** - **1**].
22 May 1966: Senegal: Linguere: USNM: 2 [2 - **2** - **2**].
26 May 1966: Senegal: Linguere: USNM: 50 [50 - **50** - **50**].
27 May 1966: Senegal: Linguere: USNM: 2 [2 - **2** - **2**].
7 June 1966: The Gambia: Toniataba: USNM: 6 [6 - **6** - **6**].
8 June 1966: The Gambia: Toniataba: USNM: 1 [1 - **1** - **1**].
9 June 1966: The Gambia: Toniataba: USNM: 2 [2 - **2** - **2**].
10 June 1966: The Gambia: Toniataba: USNM: 19 [19 - **19** - **19**].

12 June 1966: The Gambia: Toniataba: USNM: 1 [1 - **1** - **1**].
13 June 1966: The Gambia: Toniataba: USNM: 10 [10 - **10** - **10**].
14 June 1966: The Gambia: Toniataba: USNM: 27 [27 - **27** - **27**].
17 June 1966: Senegal: Joal, 4 km N: USNM: 2 [2 - **2** - **2**].
19 June 1966: Senegal: Joal, 4 km N: USNM: 56 [56 - **56** - **56**].
21 June 1966: Senegal: Joal, 4 km N: USNM: 20 [20 - **20** - **20**].
1 July 1966: Senegal: Dakar: USNM: 7 [7 - **7** - **7**].
2 July 1966: Senegal: Dakar: USNM: 8 [8 - **8** - **8**].
4 July 1966: Senegal: Dakar: USNM: 5 [5 - **5** - **5**].
9 July 1966: Senegal: Saint Louis, 10 km SE: USNM: 1 [1 - **1** - **1**].
10 July 1966: Senegal: Saint Louis, 10 km SE: USNM: 1 [1 - **1** - **1**].
11 July 1966: Senegal: Saint Louis, 10 km SE: USNM: 1 [1 - **1** - **1**].
12 July 1966: Senegal: Saint Louis, 10 km SE: USNM: 1 [1 - **1** - **1**].
18 July 1966: Senegal: Louga, 8 km E: USNM: 41 [41 - **41** - **41**].
21 July 1966: Senegal: Thiès, 10 km W: USNM: 16 [16 - **16** - **16**].

Total Specimens for Davis, R.M.: 1038

Davison, F.T.

Collection Date Unknown: Tanzania: Chai camp: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Davison, F.T.: 1

Dawson, F.

Collection Date Unknown: South Africa: Montague caves: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Dawson, F.: 1

de Baillet Latour

1 January 1914: Congo (Democratic Republic of the): Funda Biabo: RMCA: 1 [1 - **1** - **1**].
22 September 1914: Congo (Democratic Republic of the): Kitundu Kinda: RMCA: 8 [8 - **8** - **8**].
1 October 1914: Congo (Democratic Republic of the): Muezi Lupungu: RMCA: 8 [8 - **8** - **8**].

Total Specimens for de Baillet Latour: 17

de Barros Machado, A.

1 October 1946: Angola: Dundo: FMNH: 1 [1 - **1** - **1**].
1 December 1947: Angola: Dundo: FMNH: 2 [2 - **2** - **2**].
3 December 1947: Angola: Dundo: FMNH: 1 [1 - **1** - **1**].
29 December 1947: Angola: Dundo: FMNH: 3 [3 - **3** - **3**].
1 January 1948: Angola: Dundo: FMNH: 1 [1 - **1** - **1**].
5 January 1948: Angola: Dundo: FMNH: 1 [1 - **1** - **1**].
23 January 1948: Angola: Dundo: FMNH: 1 [1 - **1** - **1**].
1 February 1948: Angola: Dundo: FMNH: 3 [3 - **3** - **3**].
1 March 1948: Angola: Dundo: FMNH: 6 [6 - **6** - **6**].
12 March 1948: Angola: Dundo: FMNH: 22 [22 - **22** - **22**].
1 July 1948: Angola: Dundo: FMNH: 10 [10 - **10** - **10**].
1 September 1948: Angola: Dundo: FMNH: 13 [13] - Sombo: FMNH: 1 [1 - **14** - **14**].
1 October 1948: Angola: Dundo: FMNH: 5 [5 - **5** - **5**].
1 January 1949: Angola: Dundo: FMNH: 30 [30 - **30** - **30**].
4 July 1949: Angola: Dundo: FMNH: 1 [1 - **1** - **1**].
1 June 1953: Angola: Dundo: BMNH: 1 [1 - **1** - **1**].
1 August 1958: Angola: Dundo Lundo: BMNH: 1 [1 - **1** - **1**].
8 April 1961: Angola: Dundo Lundo: BMNH: 1 [1 - **1**].
Zambia: Dzala Cave: BMNH: 1 [1 - **1** - **2**].
27 March 1963: Angola: Dundo Lundo: BMNH: 1 [1 - **1** - **1**].

Total Specimens for de Barros Machado, A.: 106

de Beer, T.

Collection Date Unknown: South Africa: D'Nyala Provincial Nature Reserve: TM: 1 [1 - **1** - **1**].
18 January 1989: South Africa: D'Nyala Provincial Nature Reserve: TM: 2 [2 - **2** - **2**].
13 March 1990: South Africa: Suikerbosrand [=Suikerboschrand] Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for de Beer, T.: 4

De Boer, P.; De Boer, A.

28 August 1976: Nigeria: Agege: ZMA: 1 [1 - **1** - **1**].
27 September 1976: Nigeria: Agege: ZMA: 5 [5 - **5** - **5**].

Total Specimens for De Boer, P.; De Boer, A.: 6

De Bont

Collection Date Unknown: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
30 November 1955: Congo (Democratic Republic of the): Kipopo: RMCA: 4 [4 - **4** - **4**].
10 January 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
13 January 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
30 March 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
1 April 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
5 April 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
1 May 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
2 May 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
7 May 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
26 May 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
5 June 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
12 June 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Bont: 17

De Bont; Van Orshoven, Jo

10 January 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
24 September 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
1 November 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
22 November 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
24 November 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
26 November 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
27 November 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
1 December 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
3 December 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
8 December 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
10 December 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
24 December 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
28 December 1962: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
5 January 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
11 January 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
17 January 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
20 February 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
12 March 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
17 March 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
23 March 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
30 March 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
1 April 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
2 April 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
19 April 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
23 April 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
3 May 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
7 May 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
9 May 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
6 July 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
16 July 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
6 November 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
7 November 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
23 November 1963: Congo (Democratic Republic of the): Lovanium university: RMCA: 2 [2 - **2** - **2**].
12 April 1964: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
19 April 1964: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
21 April 1964: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
26 December 1966: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Bont; Van Orshoven, Jo: 48

de Brazza, Pierre Paul François Camille Savorgnan
(26 February 1852: Rome - 14 September 1905: Dakar)

Collection Date Unknown: Congo: Unknown locality: MNHN: 4 [4 - **4** - **4**].

Total Specimens for de Brazza, Pierre Paul François Camille Savorgnan: 4

de Caters, Th.

Collection Date Unknown: Congo (Democratic Republic of the): Kakanda cave: BMNH: 1 [1] - Mwera: RMCA: 1 [1 - **2** - **2**].
2 January 1954: Congo (Democratic Republic of the): Dikuluwe cave: RMCA: 12 [12 - **12** - **12**].
6 February 1954: Congo (Democratic Republic of the): Kakanda Mutaka: RMCA: 2 [2 - **2** - **2**].

21 April 1954: Congo (Democratic Republic of the): Kakanda cave: RMCA: 43 [43 - **43** - **43**].
21 April 1955: Congo (Democratic Republic of the): Kakanda cave: RMCA: 6 [6 - **6** - **6**].

Total Specimens for de Caters, Th.: 65

de Francquen, P.

1 October 1948: Congo (Democratic Republic of the): Gandajika: RBINS: 1 [1 - **1** - **1**].

Total Specimens for de Francquen, P.: 1

De Giorgi

11 March 1914: Congo (Democratic Republic of the): Yambata: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Giorgi: 1

de Graaff, Gerrit; Els, D.A.

23 January 1967: South Africa: Kalahari Gemsbok NP: ROM: 1 [1 - **1** - **1**].

Total Specimens for de Graaff, Gerrit; Els, D.A.: 1

de Iongh, Hans H.

28 June 1980: Rwanda: Gisenyi: ZMA: 3 [3 - **3** - **3**].
9 September 1980: Rwanda: Lac Ihema: ZMA: 1 [1 - **1** - **1**].
13 September 1980: Rwanda: Gisenyi: ZMA: 1 [1 - **1** - **1**].
5 October 1980: Rwanda: Gisenyi: ZMA: 6 [6 - **6** - **6**].
13 October 1980: Rwanda: Gisenyi: ZMA: 5 [5 - **5** - **5**].
15 October 1980: Rwanda: Gisenyi: ZMA: 1 [1] - Ruhengeri: ZMA: 8 [8 - **9** - **9**].
15 November 1980: Rwanda: Ruhengeri: ZMA: 1 [1 - **1** - **1**].

Total Specimens for de Iongh, Hans H.: 26

de Jager, J.G.

14 November 1976: South Africa: Farm Rolspruit 127: TM: 1 [1 - **1** - **1**].
13 August 1977: South Africa: Farm Ratsegaai 204: TM: 1 [1 - **1** - **1**].
20 August 1977: South Africa: Pretoria Zoo's farm: TM: 1 [1 - **1** - **1**].
31 August 1977: South Africa: Farm Ratsegaai 204: TM: 2 [2 - **2** - **2**].
17 November 1977: South Africa: Farm Marthavale: TM: 4 [4 - **4** - **4**].
26 November 1977: South Africa: Farm Marthavale: TM: 1 [1 - **1** - **1**].
1 April 1978: South Africa: Transvaal Museum workshop: TM: 1 [1 - **1** - **1**].

Total Specimens for de Jager, J.G.: 11

de Kock, P.W.

9 October 1979: South Africa: Unknown locality: TM: 5 [5] - Saasveld Forestry College: TM: 10 [10 - **15** - **15**].

Total Specimens for de Kock, P.W.: 15

de la Escalera, D. Manuel M.

Collection Date Unknown: Morocco: Ha-ha: BMNH: 1 [1 - **1** - **1**].
12 November 1905: Morocco: Essaouira [= Mogador]: USNM: 1 [1 - **1** - **1**].
1 January 1912: Morocco: Unknown locality: USNM: 2 [2 - **2** - **2**].
26 July 1919: Equatorial Guinea: Malabo, Basilé, San Fernando cave: MNCN: 2 [2 - **2** - **2**].

Total Specimens for de la Escalera, D. Manuel M.: 6

de la Escolera, F.M.

Collection Date Unknown: Morocco: Mogador [=Essaouira]: ZMB: 2 [2] - Tagonidert: BMNH: 1 [1] - Tagouidert: ZMB: 1 [1 - **4** - **4**].

Total Specimens for de la Escolera, F.M.: 4

de la Kethulle de Ryhove, Charles

Collection Date Unknown: Congo (Democratic Republic of the): Umangi: RMCA: 6 [6 - **6** - **6**].

Total Specimens for de la Kethulle de Ryhove, Charles: 6

De la Riva, I.; Expedition 8/87, The

14 June 1987: Morocco: Bab Bou Idir: EBD: 3 [3 - **3** - **3**].
16 June 1987: Morocco: Camel cave, valley: EBD: 48 [48 - **48** - **48**].
17 June 1987: Morocco: Camel cave, valley: EBD: 1 [1 - **1** - **1**].

Total Specimens for De la Riva, I.; Expedition 8/87, The: 52

de Loneux, Gonze

1 March 1954: Congo (Democratic Republic of the): Loondo Mugunga: RBINS: 1 [1 - **1** - **1**].

Total Specimens for de Loneux, Gonze: 1

de Meillon, B.

18 October 1934: South Africa: Eshowe: TM: 1 [1 - **1** - **1**].
15 November 1934: South Africa: Eshowe: TM: 1 [1 - **1** - **1**].
11 December 1934: South Africa: Eshowe: TM: 1 [1 - **1** - **1**].
18 December 1934: South Africa: Eshowe: TM: 1 [1 - **1** - **1**].

Total Specimens for de Meillon, B.: 4

de Paoli

Collection Date Unknown: Congo (Democratic Republic of the): Luanza mission: RMCA: 1 [1 - **1** - **1**].

Total Specimens for de Paoli: 1

De Pauw

Collection Date Unknown: Congo (Democratic Republic of the): Mayumbe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Pauw: 1

De Riemaecker, J.

14 April 1930: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].
19 October 1930: Congo (Democratic Republic of the): Sakania mission: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Riemaecker, J.: 2

De Roo, Antoon Emeric Marcel
(26 August 1936: Roeselare - 25 February 1971)

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 14 [14] - Albertville: RMCA: 2 [2] - Kasai, eastern: RMCA: 1 [1] - Luluabourg: RMCA: 18 [18] - Thysville: RMCA: 1 [1 - **36** - **36**].
1 November 1962: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
29 June 1963: Congo (Democratic Republic of the): Luluabourg, gorge: RMCA: 1 [1 - **1** - **1**].
29 August 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1] - Luluabourg, gorge: RMCA: 7 [7 - **8** - **8**].
8 September 1963: Congo (Democratic Republic of the): Kananga: AMNH: 1 [1] - Luluabourg: RMCA: 3 [3 - **4** - **4**].
14 September 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
21 September 1963: Congo (Democratic Republic of the): Kananga: AMNH: 2 [2] - Luluabourg: RMCA: 1 [1 - **3** - **3**].
22 September 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 4 [4 - **4** - **4**].
24 September 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
5 October 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
4 November 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
5 November 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
22 November 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
25 November 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
26 November 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
29 November 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
13 December 1963: Congo (Democratic Republic of the): Luluabourg: AMNH: 1 [1 - **1** - **1**].
19 December 1963: Congo (Democratic Republic of the): Luluabourg: AMNH: 3 [3 - **3** - **3**].
28 December 1963: Congo (Democratic Republic of the): Tshibati: AMNH: 1 [1 - **1** - **1**].
1 January 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 4 [4 - **4** - **4**].
5 January 1964: Congo (Democratic Republic of the): Albertville: AMNH: 7, RMCA: 1 [8 - **8** - **8**].
11 January 1964: Congo (Democratic Republic of the): Luluabourg: AMNH: 8 [8 - **8** - **8**].
15 January 1964: Congo (Democratic Republic of the): Luluabourg: AMNH: 1 [1 - **1** - **1**].
1 February 1964: Congo (Democratic Republic of the): Luluabourg: AMNH: 4 [4 - **4** - **4**].
9 February 1964: Congo (Democratic Republic of the): Kabwe: AMNH: 10 [10 - **10** - **10**].
11 February 1964: Congo (Democratic Republic of the): Luluabourg: AMNH: 3, KU: 1 [4 - **4** - **4**].
12 February 1964: Congo (Democratic Republic of the): Luluabourg: AMNH: 1 [1 - **1** - **1**].
14 February 1964: Congo (Democratic Republic of the): Luluabourg: AMNH: 2 [2 - **2** - **2**].

17 February 1964: Congo (Democratic Republic of the): Kananga: AMNH: 1 [1 - **1** - **1**].
21 February 1964: Congo (Democratic Republic of the): Luluabourg: AMNH: 1 [1 - **1** - **1**].
22 February 1964: Congo (Democratic Republic of the): Luluabourg: AMNH: 1 [1 - **1** - **1**].
23 February 1964: Congo (Democratic Republic of the): Luluabourg: AMNH: 1 [1 - **1** - **1**].
2 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
8 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
9 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
10 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
11 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
12 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
13 March 1964: Congo (Democratic Republic of the): Kananga: AMNH: 1 [1 - **1** - **1**].
14 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
15 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
16 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
17 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
19 March 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
29 March 1964: Congo (Democratic Republic of the): Thysville: RMCA: 6 [6 - **6** - **6**].
4 April 1964: Congo (Democratic Republic of the): Léopoldville: RMCA: 5 [5 - **5** - **5**].
6 April 1964: Congo (Democratic Republic of the): Lovanium university: RMCA: 1 [1 - **1** - **1**].
16 April 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
17 April 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 6 [6 - **6** - **6**].
18 April 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
19 April 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
22 April 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
23 April 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
24 April 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
25 April 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
26 April 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
29 April 1964: Congo (Democratic Republic of the): Thysville: RMCA: 2 [2 - **2** - **2**].
1 May 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
3 May 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
4 May 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
6 May 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
10 May 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 12 [12 - **12** - **12**].
24 May 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
28 May 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
30 May 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
1 June 1964: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1 - **1** - **1**].
2 June 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
3 June 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
4 June 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
6 June 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
10 June 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
13 June 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
2 September 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
21 September 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
16 October 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
19 October 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
21 October 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 6 [6 - **6** - **6**].
22 October 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
24 October 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 4 [4 - **4** - **4**].
31 October 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
1 November 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
4 November 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
7 November 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
11 November 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
14 November 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
25 November 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
1 December 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 5 [5 - **5** - **5**].
14 December 1964: Congo (Democratic Republic of the): Luluabourg: AMNH: 1 [1 - **1** - **1**].
30 December 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
31 December 1964: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
1 January 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
2 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
9 February 1965: Congo (Democratic Republic of the): Kabwe: RMCA: 3 [3 - **3** - **3**].
13 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
14 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
15 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
16 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
18 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
20 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 4 [4 - **4** - **4**].
21 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
22 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
25 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 7 [7 - **7** - **7**].
27 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
28 February 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].

2 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 6 [6 - **6** - **6**].
3 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 4 [4 - **4** - **4**].
4 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 5 [5 - **5** - **5**].
6 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 5 [5 - **5** - **5**].
8 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
12 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
16 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
18 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
19 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 5 [5 - **5** - **5**].
20 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
22 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
25 March 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
1 April 1965: Congo (Democratic Republic of the): Kamponde: RMCA: 15 [15] - Luluabourg: RMCA: 10 [10 - **25** - **25**].
2 April 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
12 April 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
28 April 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
30 April 1965: Congo (Democratic Republic of the): Kabwe: RMCA: 8 [8] - Luluabourg: RMCA: 1 [1 - **9** - **9**].
2 May 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 6 [6 - **6** - **6**].
8 May 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 11 [11 - **11** - **11**].
17 May 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 4 [4 - **4** - **4**].
22 May 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
16 June 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
26 June 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
30 June 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
3 July 1965: Congo (Democratic Republic of the): Unknown locality: RMCA: 4 [4] - Luluabourg: RMCA: 13 [13 - **17** - **17**].
27 July 1965: Congo (Democratic Republic of the): Unknown locality: RMCA: 5 [5 - **5** - **5**].
16 November 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 4 [4 - **4** - **4**].
3 February 1966: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
3 March 1966: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].
12 March 1966: Congo (Democratic Republic of the): Kaniki Kapangu: RMCA: 3 [3] - Mutembu Kaniki Kapangu: RMCA: 1 [1 - **4** - **4**].
13 March 1966: Congo (Democratic Republic of the): Kaniki Kapangu: RMCA: 1 [1 - **1** - **1**].
24 March 1966: Congo (Democratic Republic of the): Kaniki Kapangu: RMCA: 1 [1 - **1** - **1**].
30 April 1966: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
27 May 1966: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2] - Nganza rivier: RMCA: 1 [1 - **3** - **3**].
21 December 1966: Congo (Democratic Republic of the): Kaniki Kapangu: RMCA: 1 [1 - **1** - **1**].
24 December 1966: Congo (Democratic Republic of the): Kaniki Kapangu: RMCA: 1 [1 - **1** - **1**].
3 August 1968: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
14 August 1968: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
20 August 1968: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
28 August 1969: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
15 September 1969: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
19 September 1969: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
13 December 1969: Congo (Democratic Republic of the): Nshamba: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Roo, Antoon Emeric Marcel: 440

De Roo, Antoon Emeric Marcel; Deheegher, Jan

Collection Date Unknown: Congo (Democratic Republic of the): Léopoldville: RMCA: 4 [4 - **4** - **4**].

Total Specimens for De Roo, Antoon Emeric Marcel; Deheegher, Jan: 4

de Saeger, H.

Collection Date Unknown: Congo (Democratic Republic of the): Garamba National Park: RMCA: 2 [2 - **2** - **2**].
1 January 1949: Congo (Democratic Republic of the): Garamba National Park: RMCA: 1 [1 - **1** - **1**].
24 December 1949: Congo (Democratic Republic of the): Gangala na Bodio: RMCA: 1 [1 - **1** - **1**].
1 January 1950: Congo (Democratic Republic of the): Dedegwa river: RMCA: 1 [1] - Garamba National Park: RMCA: 2 [2 - **3** - **3**].
12 February 1950: Congo (Democratic Republic of the): Cel I: RMCA: 1 [1 - **1** - **1**].
24 February 1950: Congo (Democratic Republic of the): Cel I: RMCA: 1 [1 - **1** - **1**].
3 April 1950: Congo (Democratic Republic of the): Cel I: RMCA: 1 [1 - **1** - **1**].
15 April 1950: Congo (Democratic Republic of the): Bagbele: RMCA: 4 [4 - **4** - **4**].
17 April 1950: Congo (Democratic Republic of the): Nagbarama: RMCA: 2 [2 - **2** - **2**].
30 April 1950: Congo (Democratic Republic of the): Bagbele: RMCA: 3 [3 - **3** - **3**].
15 May 1950: Congo (Democratic Republic of the): Aka: RMCA: 6 [6 - **6** - **6**].
5 June 1950: Congo (Democratic Republic of the): Cel I: RMCA: 1 [1 - **1** - **1**].
18 August 1950: Congo (Democratic Republic of the): Nambiliki / Dungu: RMCA: 36 [36 - **36** - **36**].
22 November 1950: Congo (Democratic Republic of the): Cel I: RMCA: 2 [2 - **2** - **2**].
18 January 1951: Congo (Democratic Republic of the): Bagunda: RMCA: 1 [1 - **1** - **1**].
20 February 1951: Congo (Democratic Republic of the): Biadimbi: RMCA: 1 [1 - **1** - **1**].
23 February 1951: Congo (Democratic Republic of the): Bamongwa: RMCA: 2 [2 - **2** - **2**].
1 March 1951: Congo (Democratic Republic of the): Cel II: RMCA: 2 [2 - **2** - **2**].
14 March 1951: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].

16 March 1951: Congo (Democratic Republic of the): Cel II: RMCA: 10 [10 - **10** - **10**].
17 March 1951: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
30 March 1951: Congo (Democratic Republic of the): Cel II: RMCA: 2 [2 - **2** - **2**].
2 April 1951: Congo (Democratic Republic of the): Cel II: RMCA: 6 [6 - **6** - **6**].
5 April 1951: Congo (Democratic Republic of the): Kassi river: RMCA: 1 [1 - **1** - **1**].
8 April 1951: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
4 May 1951: Congo (Democratic Republic of the): Nagero: RMCA: 2 [2 - **2** - **2**].
10 May 1951: Congo (Democratic Republic of the): Cel II: RMCA: 3 [3 - **3** - **3**].
12 May 1951: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
21 May 1951: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
31 May 1951: Congo (Democratic Republic of the): Cel II: RMCA: 3 [3 - **3** - **3**].
8 June 1951: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
13 June 1951: Congo (Democratic Republic of the): Malili: RMCA: 8 [8] - Morubia: RMCA: 1 [1 - **9** - **9**].
14 June 1951: Congo (Democratic Republic of the): Malili: RMCA: 4 [4] - Morubia: RMCA: 1 [1 - **5** - **5**].
29 June 1951: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
8 July 1951: Congo (Democratic Republic of the): Mogbwamu river: RMCA: 1 [1 - **1** - **1**].
12 July 1951: Congo (Democratic Republic of the): Makpe: RMCA: 2 [2 - **2** - **2**].
13 July 1951: Congo (Democratic Republic of the): Makpe: RMCA: 1 [1 - **1** - **1**].
14 July 1951: Congo (Democratic Republic of the): Makpe: RMCA: 1 [1 - **1** - **1**].
19 July 1951: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
21 July 1951: Congo (Democratic Republic of the): Cel II: RMCA: 2 [2 - **2** - **2**].
16 November 1951: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
26 November 1951: Congo (Democratic Republic of the): Cel II: RMCA: 2 [2 - **2** - **2**].
12 December 1951: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
15 January 1952: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
24 January 1952: Congo (Democratic Republic of the): Mpaza: RMCA: 2 [2 - **2** - **2**].
31 January 1952: Congo (Democratic Republic of the): Cel II: RMCA: 5 [5 - **5** - **5**].
1 February 1952: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
7 February 1952: Congo (Democratic Republic of the): PFNK.15: RMCA: 1 [1] - PFNK.16: RMCA: 1 [1 - **2** - **2**].
8 February 1952: Congo (Democratic Republic of the): Ndelele: RMCA: 9 [9 - **9** - **9**].
12 February 1952: Congo (Democratic Republic of the): Cel II: RMCA: 2 [2 - **2** - **2**].
25 February 1952: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
26 February 1952: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
2 March 1952: Congo (Democratic Republic of the): Ndelele: RMCA: 1 [1 - **1** - **1**].
4 March 1952: Congo (Democratic Republic of the): Iso: RMCA: 2 [2 - **2** - **2**].
6 March 1952: Congo (Democratic Republic of the): Nampune: RMCA: 1 [1 - **1** - **1**].
7 March 1952: Congo (Democratic Republic of the): Cel II: RMCA: 2 [2 - **2** - **2**].
8 March 1952: Congo (Democratic Republic of the): Mogbwamu river: RMCA: 9 [9 - **9** - **9**].
10 March 1952: Congo (Democratic Republic of the): Nadegbe river: RMCA: 2 [2] - Tayele: RMCA: 1 [1 - **3** - **3**].
11 March 1952: Congo (Democratic Republic of the): Ndelele: RMCA: 5 [5 - **5** - **5**].
15 March 1952: Congo (Democratic Republic of the): PFSK 8: RMCA: 2 [2 - **2** - **2**].
18 March 1952: Congo (Democratic Republic of the): Malili: RMCA: 6 [6] - Morubia: RMCA: 1 [1] - PPK.78: RMCA: 3 [3 - **10** - **10**].
22 March 1952: Congo (Democratic Republic of the): Tore: RMCA: 1 [1 - **1** - **1**].
24 March 1952: Congo (Democratic Republic of the): Nagero: RMCA: 4 [4 - **4** - **4**].
25 March 1952: Congo (Democratic Republic of the): PFSK 8: RMCA: 3 [3 - **3** - **3**].
26 March 1952: Congo (Democratic Republic of the): Nagero: RMCA: 1 [1 - **1** - **1**].
31 March 1952: Congo (Democratic Republic of the): Cel II: RMCA: 2 [2 - **2** - **2**].
1 April 1952: Congo (Democratic Republic of the): Faradje: RMCA: 2 [2 - **2** - **2**].
2 April 1952: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
3 April 1952: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
7 April 1952: Congo (Democratic Republic of the): Cel II: RMCA: 3 [3 - **3** - **3**].
8 April 1952: Congo (Democratic Republic of the): Cel II: RMCA: 3 [3 - **3** - **3**].
18 April 1952: Congo (Democratic Republic of the): Nakpanga: RMCA: 1 [1 - **1** - **1**].
19 April 1952: Congo (Democratic Republic of the): Kokodu: RMCA: 1 [1 - **1** - **1**].
20 April 1952: Congo (Democratic Republic of the): Meridi river: RMCA: 1 [1 - **1** - **1**].
21 April 1952: Congo (Democratic Republic of the): Keroma: RMCA: 136 [136 - **136** - **136**].
23 April 1952: Congo (Democratic Republic of the): Pidigala river: RMCA: 2 [2 - **2** - **2**].
24 April 1952: Congo (Democratic Republic of the): Pidigala river: RMCA: 1 [1 - **1** - **1**].
30 April 1952: Congo (Democratic Republic of the): Cel II: RMCA: 4 [4 - **4** - **4**].
8 May 1952: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
10 May 1952: Congo (Democratic Republic of the): Cel II: RMCA: 2 [2 - **2** - **2**].
14 May 1952: Congo (Democratic Republic of the): Aka: RMCA: 1 [1 - **1** - **1**].
15 May 1952: Congo (Democratic Republic of the): Aka: RMCA: 4 [4] - Aka-Inimvua confluence: RMCA: 2 [2] - Inimvua: RMCA: 2 [2 - **8** - **8**].
19 May 1952: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1] - Dedegwa river: RMCA: 3 [3 - **4** - **4**].
22 May 1952: Congo (Democratic Republic of the): Buluku river: RMCA: 3 [3 - **3** - **3**].
19 June 1952: Congo (Democratic Republic of the): Ndelele: RMCA: 1 [1 - **1** - **1**].
16 July 1952: Congo (Democratic Republic of the): Cel II: RMCA: 1 [1 - **1** - **1**].
24 July 1952: Congo (Democratic Republic of the): Uduku: RMCA: 1 [1] - Uduku Moke: RMCA: 3 [3 - **4** - **4**].
25 July 1952: Congo (Democratic Republic of the): Bagbele Moke: RMCA: 1 [1 - **1** - **1**].
26 July 1952: Congo (Democratic Republic of the): Bagbele Moke: RMCA: 17 [17 - **17** - **17**].
1 August 1952: Congo (Democratic Republic of the): Mabanga: RMCA: 1 [1 - **1** - **1**].
3 September 1952: Congo (Democratic Republic of the): Cel II: RMCA: 3 [3 - **3** - **3**].
3 October 1952: Congo (Democratic Republic of the): Cel II: RMCA: 2 [2 - **2** - **2**].

22 October 1952: Congo (Democratic Republic of the): Cel II: RMCA: 2 [2 - **2** - **2**].

Total Specimens for de Saeger, H.: 407

de Saeger, H.; *et al.*

9 April 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 5 [5 - **5** - **5**].
10 April 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
7 November 1949: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
8 November 1949: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 2 [2 - **2** - **2**].
18 November 1949: Congo (Democratic Republic of the): Bagbele Moko: RBINS: 1 [1 - **1** - **1**].
24 December 1949: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 2 [2 - **2** - **2**].
1 January 1950: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1] - Garamba National Park: RBINS: 4 [4 - **5** - **5**].
1 February 1950: Congo (Democratic Republic of the): Cel I: RBINS: 1 [1 - **1** - **1**].
24 February 1950: Congo (Democratic Republic of the): Bagbele Moko: RBINS: 1 [1] - Cel I: RBINS: 1 [1 - **2** - **2**].
3 April 1950: Congo (Democratic Republic of the): Bagbele Moko: RBINS: 3 [3 - **3** - **3**].
13 April 1950: Congo (Democratic Republic of the): Bagbele: RBINS: 4 [4] - Bagbele Moko: RBINS: 2 [2 - **6** - **6**].
19 April 1950: Congo (Democratic Republic of the): Bagbele Moko: RBINS: 1 [1 - **1** - **1**].
17 May 1950: Congo (Democratic Republic of the): Cel I: RBINS: 1 [1 - **1** - **1**].
19 July 1950: Congo (Democratic Republic of the): Cel I: RBINS: 1 [1 - **1** - **1**].
18 August 1950: Congo (Democratic Republic of the): Nambiliki / Dungu: RBINS: 11 [11 - **11** - **11**].
5 October 1950: Congo (Democratic Republic of the): Dungu: RBINS: 1 [1 - **1** - **1**].
31 October 1950: Congo (Democratic Republic of the): Cel I: RBINS: 1 [1 - **1** - **1**].
6 December 1950: Congo (Democratic Republic of the): Cel I: RBINS: 1 [1 - **1** - **1**].
12 December 1950: Congo (Democratic Republic of the): Cel I: RBINS: 1 [1 - **1** - **1**].
27 December 1950: Congo (Democratic Republic of the): Garamba National Park: RBINS: 1 [1 - **1** - **1**].
16 January 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
18 January 1951: Congo (Democratic Republic of the): Bagunda: RBINS: 2 [2] - Garamba National Park: RBINS: 1 [1 - **3** - **3**].
19 January 1951: Congo (Democratic Republic of the): Bagunda: RBINS: 7 [7 - **7** - **7**].
25 January 1951: Congo (Democratic Republic of the): Parc National de Garamba: RBINS: 1 [1 - **1** - **1**].
30 January 1951: Congo (Democratic Republic of the): Wilibadi river: RBINS: 1 [1 - **1** - **1**].
1 February 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
8 February 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
9 February 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1] - Maleli: RBINS: 6 [6 - **7** - **7**].
16 February 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1] - Garamba National Park: RBINS: 1 [1 - **2** - **2**].
20 February 1951: Congo (Democratic Republic of the): Biadimbi: RBINS: 4 [4 - **4** - **4**].
21 February 1951: Congo (Democratic Republic of the): Biadimbi: RBINS: 1 [1 - **1** - **1**].
23 February 1951: Congo (Democratic Republic of the): Bamangwa: RBINS: 3 [3 - **3** - **3**].
1 March 1951: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
7 March 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
8 March 1951: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
16 March 1951: Congo (Democratic Republic of the): Cel II: RBINS: 5 [5 - **5** - **5**].
17 March 1951: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
30 March 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1] - Garamba National Park: RBINS: 2 [2 - **3** - **3**].
2 April 1951: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
12 April 1951: Congo (Democratic Republic of the): Maleli: RBINS: 1 [1 - **1** - **1**].
22 April 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
4 May 1951: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1] - Nagero: RBINS: 4 [4 - **5** - **5**].
10 May 1951: Congo (Democratic Republic of the): Cel II: RBINS: 13 [13 - **13** - **13**].
12 May 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1] - Garamba National Park: RBINS: 1 [1 - **2** - **2**].
13 May 1951: Congo (Democratic Republic of the): Maleli: RBINS: 1 [1 - **1** - **1**].
21 May 1951: Congo (Democratic Republic of the): Cel II: RBINS: 3 [3 - **3** - **3**].
22 May 1951: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
26 May 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
29 May 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
1 June 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
10 June 1951: Congo (Democratic Republic of the): Maleli: RBINS: 1 [1 - **1** - **1**].
11 June 1951: Congo (Democratic Republic of the): Maleli: RBINS: 2 [2 - **2** - **2**].
13 June 1951: Congo (Democratic Republic of the): Maleli: RBINS: 7 [7] - Marari: RBINS: 1 [1 - **8** - **8**].
14 June 1951: Congo (Democratic Republic of the): Maleli: RBINS: 2 [2 - **2** - **2**].
25 June 1951: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
30 June 1951: Congo (Democratic Republic of the): Parc National de Garamba: RBINS: 1 [1 - **1** - **1**].
8 July 1951: Congo (Democratic Republic of the): Mogbwamu river: RBINS: 1 [1 - **1** - **1**].
10 July 1951: Congo (Democratic Republic of the): Makpe river, upper: RBINS: 1 [1 - **1** - **1**].
12 July 1951: Congo (Democratic Republic of the): Buluku river: RBINS: 1 [1] - Makpe river, upper: RBINS: 1 [1 - **2** - **2**].
13 July 1951: Congo (Democratic Republic of the): Makpe river, upper: RBINS: 5 [5 - **5** - **5**].
19 July 1951: Congo (Democratic Republic of the): Cel II: RBINS: 3 [3 - **3** - **3**].
21 July 1951: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2] - Garamba National Park: RBINS: 1 [1 - **3** - **3**].
23 July 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1] - Parc National de Garamba: RBINS: 2 [2 - **3** - **3**].
29 July 1951: Congo (Democratic Republic of the): Parc National de Garamba: RBINS: 1 [1 - **1** - **1**].
8 August 1951: Congo (Democratic Republic of the): Makpe: RBINS: 1 [1 - **1** - **1**].
10 August 1951: Congo (Democratic Republic of the): Aba: RBINS: 3 [3 - **3** - **3**].
24 August 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
25 September 1951: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
5 October 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].

2 November 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
10 November 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
16 November 1951: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
26 November 1951: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
3 December 1951: Congo (Democratic Republic of the): Ndelele: RBINS: 1 [1 - **1** - **1**].
12 December 1951: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
27 December 1951: Congo (Democratic Republic of the): Nagero: RBINS: 1 [1 - **1** - **1**].
15 January 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1] - Parc National de Garamba: RBINS: 1 [1 - **2** - **2**].
22 January 1952: Congo (Democratic Republic of the): Mpaza: RBINS: 1 [1 - **1** - **1**].
24 January 1952: Congo (Democratic Republic of the): Mpaza: RBINS: 6 [6 - **6** - **6**].
31 January 1952: Congo (Democratic Republic of the): Cel II: RBINS: 4 [4 - **4** - **4**].
1 February 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
4 February 1952: Congo (Democratic Republic of the): Parc National de Garamba: RBINS: 2 [2 - **2** - **2**].
7 February 1952: Congo (Democratic Republic of the): Garamba National Park: RBINS: 2 [2] - Parc National de Garamba: RBINS: 1 [1] - PFNK.15: RBINS: 1 [1] - PNFK.16: RBINS: 2 [2 - **6** - **6**].
8 February 1952: Congo (Democratic Republic of the): Ndelele: RBINS: 9 [9 - **9** - **9**].
16 February 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
18 February 1952: Congo (Democratic Republic of the): Cel II: RBINS: 3 [3 - **3** - **3**].
21 February 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
26 February 1952: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
27 February 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
3 March 1952: Congo (Democratic Republic of the): Ndelele: RBINS: 3 [3 - **3** - **3**].
4 March 1952: Congo (Democratic Republic of the): Iso: RBINS: 8 [8] - Iso.4: RBINS: 1 [1 - **9** - **9**].
6 March 1952: Congo (Democratic Republic of the): Nampume: RBINS: 2 [2 - **2**].
South Sudan: Tungu, mount: RBINS: 1 [1 - **1** - **3**].
8 March 1952: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2] - Mogbwamu river: RBINS: 10 [10] - Ndelele: RBINS: 1 [1 - **13** - **13**].
10 March 1952: Congo (Democratic Republic of the): Taere river: RBINS: 3 [3 - **3** - **3**].
11 March 1952: Congo (Democratic Republic of the): Ndelele: RBINS: 6 [6 - **6** - **6**].
13 March 1952: Congo (Democratic Republic of the): Ndelele: RBINS: 1 [1 - **1** - **1**].
18 March 1952: Congo (Democratic Republic of the): Garamba National Park: RBINS: 1 [1] - Maleli: RBINS: 27 [27 - **28** - **28**].
25 March 1952: Congo (Democratic Republic of the): PFSK.8: RBINS: 3 [3 - **3** - **3**].
26 March 1952: Congo (Democratic Republic of the): PFSK.17: RBINS: 1 [1 - **1** - **1**].
31 March 1952: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
1 April 1952: Congo (Democratic Republic of the): Faradje: RBINS: 6 [6 - **6** - **6**].
2 April 1952: Congo (Democratic Republic of the): Cel II: RBINS: 3 [3] - Parc National de Garamba: RBINS: 1 [1] - PPK.51: RBINS: 2 [2 - **6** - **6**].
7 April 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1] - Parc National de Garamba: RBINS: 1 [1 - **2** - **2**].
8 April 1952: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2 - **2** - **2**].
18 April 1952: Congo (Democratic Republic of the): Nakpanga: RBINS: 2 [2] - Nakpanga river: RBINS: 1 [1 - **3** - **3**].
19 April 1952: Congo (Democratic Republic of the): Bagisana: RBINS: 1 [1] - Embe: RBINS: 1 [1] - Kokodo river: RBINS: 2 [2 - **4** - **4**].
20 April 1952: Congo (Democratic Republic of the): Embe: RBINS: 1 [1] - Meridi river: RBINS: 1 [1 - **2** - **2**].
21 April 1952: Congo (Democratic Republic of the): Bagisana: RBINS: 2 [2] - Cel II: RBINS: 1 [1] - Keroma: RBINS: 229 [229 - **232** - **232**].
23 April 1952: Congo (Democratic Republic of the): Aka: RBINS: 8 [8] - Pidigala Nord river: RBINS: 6 [6] - Pidigala river: RBINS: 11 [11 - **25** - **25**].
24 April 1952: Congo (Democratic Republic of the): Pidigala Nord river: RBINS: 2 [2 - **2** - **2**].
30 April 1952: Congo (Democratic Republic of the): Cel II: RBINS: 8 [8 - **8** - **8**].
3 May 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
8 May 1952: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2] - Parc National de Garamba: RBINS: 1 [1 - **3** - **3**].
14 May 1952: Congo (Democratic Republic of the): Aka: RBINS: 3 [3 - **3** - **3**].
15 May 1952: Congo (Democratic Republic of the): Aka: RBINS: 13 [13] - Aka-Inimvua confluence: RBINS: 1 [1] - Cel II: RBINS: 1 [1] - Inimvua: RBINS: 5 [5 - **20** - **20**].
16 May 1952: Congo (Democratic Republic of the): Aka: RBINS: 2 [2 - **2** - **2**].
19 May 1952: Congo (Democratic Republic of the): Dedegwa river: RBINS: 9 [9 - **9** - **9**].
20 May 1952: Congo (Democratic Republic of the): Congo-Nil-Aka: RBINS: 1 [1] - Soudan river: RBINS: 2 [2 - **3** - **3**].
22 May 1952: Congo (Democratic Republic of the): Aka river: RBINS: 1 [1] - Buluku river: RBINS: 5 [5] - Makpe river, upper: RBINS: 1 [1] - Parc National de Garamba: RBINS: 1 [1 - **8** - **8**].
26 May 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
28 May 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1] - Parc National de Garamba: RBINS: 2 [2 - **3** - **3**].
10 June 1952: Congo (Democratic Republic of the): Utukuru: RBINS: 1 [1 - **1** - **1**].
11 June 1952: Congo (Democratic Republic of the): Kalikimvua: RBINS: 1 [1 - **1** - **1**].
16 June 1952: Congo (Democratic Republic of the): PFSK.20: RBINS: 1 [1 - **1** - **1**].
17 June 1952: South Sudan: Tungu, mount: RBINS: 2 [2 - **2** - **2**].
20 June 1952: Congo (Democratic Republic of the): Moko river: RBINS: 2 [2 - **2** - **2**].
16 July 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
23 July 1952: Congo (Democratic Republic of the): Uduku: RBINS: 4 [4 - **4** - **4**].
24 July 1952: Congo (Democratic Republic of the): Uduku: RBINS: 3 [3] - Uduku Moke: RBINS: 2 [2 - **5** - **5**].
26 July 1952: Congo (Democratic Republic of the): Bagbele Moko: RBINS: 27 [27 - **27** - **27**].
31 July 1952: Congo (Democratic Republic of the): Ndelele: RBINS: 1 [1 - **1** - **1**].
1 August 1952: Congo (Democratic Republic of the): Mabanga: RBINS: 2 [2 - **2** - **2**].
2 August 1952: Congo (Democratic Republic of the): PPK.10: RBINS: 3 [3 - **3** - **3**].
3 September 1952: Congo (Democratic Republic of the): Cel II: RBINS: 6 [6 - **6** - **6**].
8 September 1952: Congo (Democratic Republic of the): Cel II: RBINS: 1 [1 - **1** - **1**].
3 October 1952: Congo (Democratic Republic of the): Cel II: RBINS: 2 [2] - Parc National de Garamba: RBINS: 1 [1 - **3** - **3**].

19 November 1952: Congo (Democratic Republic of the): Ndelele: RBINS: 4 [4 - **4** - **4**].

Total Specimens for de Saeger, H.; *et al.*: 700

De Schrijver

20 October 1953: Congo (Democratic Republic of the): Bushanganya: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Schrijver: 1

de Selys-Longschamps, Edmond
(25 May 1813: Paris - 11 December 1900: Liège)

Collection Date Unknown: "Africa": Africa: RBINS: 1 [1 - **1**].
Egypt: Unknown locality: RBINS: 1 [1 - **1**].
Senegal: Unknown locality: RBINS: 1 [1 - **1**].
Somalia: Afgoi: USNM: 1 [1 - **1**].
Sudan: Nubia: RBINS: 1 [1 - **1** - **5**].
25 July 1932: Egypt: Unknown locality: RBINS: 1 [1 - **1**].
South Africa: Durban: RBINS: 1 [1 - **1** - **2**].

Total Specimens for de Selys-Longschamps, Edmond: 7

De Semeries

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1 - **1** - **1**].
13 August 1956: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Semeries: 2

De Smet

Collection Date Unknown: Congo (Democratic Republic of the): Kapolowe: RMCA: 2 [2] - Sakania: RMCA: 10 [10 - **12** - **12**].
1 January 1931: Congo (Democratic Republic of the): Kimilolo: RMCA: 1 [1 - **1** - **1**].
1 July 1954: Congo (Democratic Republic of the): Kapolowe: RMCA: 2 [2] - Kasenga: RMCA: 1 [1 - **3** - **3**].
3 August 1954: Congo (Democratic Republic of the): Kitubulushi: RMCA: 4 [4 - **4** - **4**].
12 August 1954: Congo (Democratic Republic of the): Kipushi: RMCA: 1 [1 - **1** - **1**].
25 August 1954: Congo (Democratic Republic of the): Kamp U.M.H.K.: RMCA: 1 [1 - **1** - **1**].
27 August 1954: Congo (Democratic Republic of the): Kamp U.M.H.K.: RMCA: 2 [2 - **2** - **2**].
28 August 1954: Congo (Democratic Republic of the): Kamp U.M.H.K.: RMCA: 1 [1 - **1** - **1**].
31 August 1954: Congo (Democratic Republic of the): Tshibambo: RMCA: 7 [7 - **7** - **7**].
2 September 1954: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1] - Kamp U.M.H.K.: RMCA: 1 [1 - **2** - **2**].
1 December 1954: Congo (Democratic Republic of the): Elisabethville: RMCA: 2 [2 - **2** - **2**].
15 December 1955: Congo (Democratic Republic of the): Panda: RMCA: 1 [1 - **1** - **1**].
28 January 1956: Congo (Democratic Republic of the): Panda: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Smet: 38

de Sudermanie

8 November 1915: Kenya: Yala river: RMCA: 1 [1 - **1** - **1**].
9 November 1915: Kenya: Yala river: RMCA: 1 [1 - **1** - **1**].
10 November 1915: Kenya: Yala river: RMCA: 1 [1 - **1** - **1**].
11 November 1915: Kenya: Yala river: RMCA: 1 [1 - **1** - **1**].

Total Specimens for de Sudermanie: 4

De Ville

Collection Date Unknown: Tanzania: Zanzibar: RBINS: 2 [2 - **2** - **2**].
24 June 1881: Tanzania: Zanzibar: RBINS: 2 [2 - **2** - **2**].
9 December 1882: Tanzania: Zanzibar: RBINS: 1 [1 - **1** - **1**].

Total Specimens for De Ville: 5

de Villiers, A.J.

10 August 1989: South Africa: Langjan Provincial Nature Reserve: TM: 1 [1 - **1** - **1**].
30 August 1989: South Africa: Langjan Provincial Nature Reserve: TM: 3 [3 - **3** - **3**].

Total Specimens for de Villiers, A.J.: 4

De Vos, Luc; Kempeneers, Jan

4 February 1982: Central African Republic: Landjia: RMCA: 4 [4 - **4** - **4**].

Total Specimens for De Vos, Luc; Kempeneers, Jan: 4

De Vos, Luc; Kimbembi; Vandelanoote, Alain

Collection Date Unknown: Congo (Democratic Republic of the): Kisangani: RMCA: 2 [2] - Konyola: RMCA: 4 [4 - **6** - **6**].
1 January 1987: Congo (Democratic Republic of the): Wagenia: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Vos, Luc; Kimbembi; Vandelanoote, Alain: 7

De Vree, Frits

Collection Date Unknown: Togo: Borgou: RMCA: 1 [1 - **1** - **1**].
29 May 1975: Kenya: Shimilani: RMCA: 2 [2 - **2** - **2**].
27 September 1975: Kenya: Kimakia cave: RMCA: 2 [2 - **2** - **2**].
29 September 1975: Kenya: Shimilani: RMCA: 12 [12 - **12** - **12**].

Total Specimens for De Vree, Frits: 17

De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor

3 October 1981: Rwanda: Butare: RMCA: 1 [1] - Nyumba cave: RMCA: 1 [1 - **2** - **2**].
6 October 1981: Rwanda: Nyumba cave: RMCA: 20 [20 - **20** - **20**].
7 October 1981: Rwanda: Butare: RMCA: 3 [3] - Nyumba cave: RMCA: 10 [10 - **13** - **13**].
8 October 1981: Rwanda: Butare: RMCA: 1 [1] - Butare INRS: RMCA: 16 [16 - **17** - **17**].
9 October 1981: Rwanda: Butare: RMCA: 3 [3] - Butare INRS: RMCA: 5 [5 - **8** - **8**].
11 October 1981: Rwanda: Karama: RMCA: 4 [4 - **4** - **4**].
12 October 1981: Rwanda: Karama: RMCA: 36 [36 - **36** - **36**].
13 October 1981: Rwanda: Karama: RMCA: 31 [31 - **31** - **31**].
16 October 1981: Rwanda: Uwinka: RMCA: 2 [2 - **2** - **2**].
17 October 1981: Rwanda: Uwinka: RMCA: 5 [5 - **5** - **5**].
18 October 1981: Rwanda: Uwinka: RMCA: 1 [1 - **1** - **1**].
19 October 1981: Rwanda: Routabansougera: RMCA: 3 [3 - **3** - **3**].
20 October 1981: Rwanda: Routabansougera: RMCA: 1 [1 - **1** - **1**].
21 October 1981: Rwanda: Gisenyi: RMCA: 1 [1 - **1** - **1**].
22 October 1981: Rwanda: Mutura: RMCA: 73 [73 - **73** - **73**].
23 October 1981: Rwanda: Mutura: RMCA: 41 [41 - **41** - **41**].
24 October 1981: Rwanda: Musanze: RMCA: 1 [1] - Mutura: RMCA: 1 [1] - Nyakinama: RMCA: 1 [1 - **3** - **3**].
25 October 1981: Rwanda: Musanze: RMCA: 27 [27] - Mutura: RMCA: 42 [42 - **69** - **69**].
26 October 1981: Rwanda: Mutura: RMCA: 8 [8] - Tamira: RMCA: 1 [1 - **9** - **9**].
27 October 1981: Rwanda: Musanze: RMCA: 1 [1] - Mutura: RMCA: 49 [49 - **50** - **50**].
2 November 1981: Rwanda: Kitabi: RMCA: 2 [2 - **2** - **2**].
3 November 1981: Rwanda: Kitabi: RMCA: 1 [1 - **1** - **1**].
5 November 1981: Rwanda: Kitabi: RMCA: 1 [1 - **1** - **1**].
8 November 1981: Rwanda: Butare: RMCA: 1 [1] - Butare INRS: RMCA: 1 [1 - **2** - **2**].
9 November 1981: Rwanda: Butare INRS: RMCA: 1 [1 - **1** - **1**].
11 November 1981: Rwanda: Nyamata: RMCA: 3 [3 - **3** - **3**].
12 November 1981: Rwanda: Nyamata: RMCA: 11 [11 - **11** - **11**].
13 November 1981: Rwanda: Nyamata: RMCA: 157 [157 - **157** - **157**].
14 November 1981: Rwanda: Nyamata: RMCA: 53 [53 - **53** - **53**].
15 November 1981: Rwanda: Nyamata: RMCA: 88 [88 - **88** - **88**].
16 November 1981: Rwanda: Nyamata: RMCA: 53 [53 - **53** - **53**].
17 November 1981: Rwanda: Nyamata: RMCA: 28 [28 - **28** - **28**].
19 November 1981: Rwanda: Rukira: RMCA: 23 [23 - **23** - **23**].
20 November 1981: Rwanda: Rukira: RMCA: 41 [41 - **41** - **41**].
21 November 1981: Rwanda: Rukira: RMCA: 22 [22 - **22** - **22**].
22 November 1981: Rwanda: Rukira: RMCA: 30 [30 - **30** - **30**].
23 November 1981: Rwanda: Rukira: RMCA: 12 [12 - **12** - **12**].
24 November 1981: Rwanda: Rukira: RMCA: 9 [9 - **9** - **9**].
25 November 1981: Rwanda: Rukira: RMCA: 43 [43 - **43** - **43**].
26 November 1981: Rwanda: Rukira: RMCA: 62 [62 - **62** - **62**].
27 November 1981: Rwanda: Rukira: RMCA: 12 [12 - **12** - **12**].

Total Specimens for De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: 1043

De Vree, Frits; De Roo, Antoon Emeric Marcel

20 June 1968: Côte d'Ivoire: Abidjan: RMCA: 3 [3 - **3** - **3**].
23 June 1968: Côte d'Ivoire: Adiopodoumé: RMCA: 6 [6 - **6** - **6**].

Total Specimens for De Vree, Frits; De Roo, Antoon Emeric Marcel: 9

De Vree, Frits; Kock, Dieter

21 September 1975: Kenya: Ruaraka: SMF: 1 [1 - **1** - **1**].

Total Specimens for De Vree, Frits; Kock, Dieter: 1

De Vree, Frits; Van der Straeten, Erik

Collection Date Unknown: Togo: no specific locality: RMCA: 17 [17 - **17** - **17**].
23 July 1969: Togo: Borgou: RMCA: 1 [1 - **1** - **1**].
30 July 1969: Togo: Borgou: RMCA: 1 [1 - **1** - **1**].
19 November 1969: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
29 November 1969: Togo: Aledjo: RMCA: 2 [2 - **2** - **2**].
30 November 1969: Togo: Aledjo: RMCA: 67 [67 - **67** - **67**].
1 December 1969: Togo: Aledjo: RMCA: 17 [17 - **17** - **17**].
2 December 1969: Togo: Aledjo: RMCA: 5 [5 - **5** - **5**].
4 December 1969: Togo: Aledjo: RMCA: 3 [3 - **3** - **3**].
5 December 1969: Togo: Aledjo: RMCA: 1 [1 - **1** - **1**].
8 December 1969: Togo: Borgou: RMCA: 58 [58 - **58** - **58**].
10 December 1969: Togo: Borgou: RMCA: 38 [38 - **38** - **38**].
11 December 1969: Togo: Borgou: RMCA: 14 [14 - **14** - **14**].
12 December 1969: Togo: Borgou: RMCA: 7 [7 - **7** - **7**].
14 December 1969: Togo: Mango: RMCA: 5 [5 - **5** - **5**].
15 December 1969: Togo: Mango: RMCA: 9 [9 - **9** - **9**].
16 December 1969: Togo: Mango: RMCA: 8 [8 - **8** - **8**].
21 December 1969: Togo: Apéyémé: RMCA: 2 [2] - Dzogbégan: RMCA: 11 [11 - **13** - **13**].
22 December 1969: Togo: Dzogbégan: RMCA: 5 [5 - **5** - **5**].
23 December 1969: Togo: Apéyémé: RMCA: 1 [1] - Dzogbégan: RMCA: 2 [2 - **3** - **3**].
24 December 1969: Togo: Klouto: RMCA: 5 [5] - Missahohé: RMCA: 10 [10 - **15** - **15**].
25 December 1969: Togo: Missahohé: RMCA: 4 [4 - **4** - **4**].
26 December 1969: Togo: Missahohé: RMCA: 6 [6 - **6** - **6**].
27 December 1969: Togo: Missahohé: RMCA: 19 [19 - **19** - **19**].
28 December 1969: Togo: Missahohé: RMCA: 14 [14 - **14** - **14**].
29 December 1969: Togo: Missahohé: RMCA: 6 [6 - **6** - **6**].
4 January 1970: Togo: Lomé: RMCA: 1 [1 - **1** - **1**].

Total Specimens for De Vree, Frits; Van der Straeten, Erik: 340

de Waart, J.

2 February 1979: Guinea-Bissau: Bolama: ZMA: 1 [1 - **1** - **1**].

Total Specimens for de Waart, J.: 1

de Walden, Howard

Collection Date Unknown: Congo (Democratic Republic of the): 40 mi [=64 km] SW Irumu: BMNH: 1 [1] - Irumu, 40 mi [=64 km] SW: BMNH: 7 [7] - Ituri Forest: BMNH: 1 [1] - Ituri River: BMNH: 1 [1] - Mboga: BMNH: 9 [9 - **19** - **19**].
24 April 1930: Congo (Democratic Republic of the): Ituri Forest: BMNH: 5 [5 - **5** - **5**].

Total Specimens for de Walden, Howard: 24

de Walden, Howard; Hayman, Robert William

19 February 1930: Uganda: Wasa River: BMNH: 1 [1 - **1** - **1**].

Total Specimens for de Walden, Howard; Hayman, Robert William: 1

de Wilde, C.F.

21 July 1954: Congo (Democratic Republic of the): Ndama: RBINS: 1 [1 - **1** - **1**].

Total Specimens for de Wilde, C.F.: 1

de Wilde, J.

5 January 1943: Congo (Democratic Republic of the): Ngerere Lepi: RBINS: 4 [4 - **4** - **4**].
6 January 1943: Congo (Democratic Republic of the): Ngerere Lepi: RBINS: 2 [2 - **2** - **2**].
4 January 1946: Congo (Democratic Republic of the): Mwenda-Katuka piste: RBINS: 16 [16 - **16** - **16**].
15 July 1946: Congo (Democratic Republic of the): Mutwanga: RBINS: 1 [1 - **1** - **1**].
12 August 1946: Congo (Democratic Republic of the): Lusilubi valley: RBINS: 1 [1 - **1** - **1**].
27 October 1948: Congo (Democratic Republic of the): Kisanga: RBINS: 2 [2 - **2** - **2**].
22 August 1949: Congo (Democratic Republic of the): May ya Moto, sources chaudes: RBINS: 1 [1 - **1** - **1**].
27 September 1949: Congo (Democratic Republic of the): Mutsora: RBINS: 1 [1 - **1** - **1**].
2 April 1950: Congo (Democratic Republic of the): Ruvara: RBINS: 1 [1 - **1** - **1**].
11 April 1950: Congo (Democratic Republic of the): Mutsora Station: RBINS: 1 [1 - **1** - **1**].

Total Specimens for de Wilde, J.: 30

de Witte, Gaston-François

Collection Date Unknown: Congo (Democratic Republic of the): Albert National Park: RMCA: 2 [2] - Bitshumbi: RMCA: 5 [5] - Kalonge: RBINS: 2 [2] - Mugunga, Lake: RMCA: 3 [3] - Mukwande river: RMCA: 1 [1] - Mulungwishi: RMCA: 1 [1] - N'Zulu: RMCA: 1 [1] - Rutshuru: RMCA: 2 [2 - **17** - **17**].
3 May 1925: Congo (Democratic Republic of the): Nionga: RMCA: 4 [4 - **4** - **4**].
10 January 1930: Congo (Democratic Republic of the): Mulungwishi: RMCA: 27 [27 - **27** - **27**].
16 February 1931: Congo (Democratic Republic of the): Lukonzolwa: RMCA: 1 [1 - **1** - **1**].
7 May 1931: Congo (Democratic Republic of the): Kiambi: RMCA: 1 [1 - **1** - **1**].
1 July 1931: Congo (Democratic Republic of the): Kadia: RMCA: 1 [1 - **1** - **1**].
1 November 1934: Congo (Democratic Republic of the): Rwindi: RMCA: 2 [2 - **2** - **2**].
5 November 1934: Congo (Democratic Republic of the): May Ya Moto: RMCA: 2 [2 - **2** - **2**].
1 June 1935: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
16 November 1945: Congo (Democratic Republic of the): Lamya Valley: RBINS: 1 [1 - **1** - **1**].
4 April 1947: Congo (Democratic Republic of the): Pelenge, gorges: RBINS: 1 [1 - **1** - **1**].
4 June 1947: Congo (Democratic Republic of the): Pelenge, gorges: RBINS: 1 [1 - **1** - **1**].
6 October 1947: Congo (Democratic Republic of the): Kaswabilenga: RBINS: 3 [3 - **3** - **3**].
7 October 1947: Congo (Democratic Republic of the): Kaswabilenga: RBINS: 1 [1 - **1** - **1**].
17 December 1947: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
3 January 1948: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
12 January 1948: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
14 January 1948: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
19 January 1948: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 2 [2 - **2** - **2**].
14 April 1948: Congo (Democratic Republic of the): Munoi: RBINS: 1 [1 - **1** - **1**].
6 August 1948: Congo (Democratic Republic of the): Kilwezi: RBINS: 1 [1 - **1** - **1**].
28 June 1949: Congo (Democratic Republic of the): Ganza: RBINS: 1 [1 - **1** - **1**].
13 August 1949: Congo (Democratic Republic of the): Mutsora: RBINS: 1 [1 - **1** - **1**].
19 November 1952: Congo (Democratic Republic of the): Mutsora: RMCA: 1 [1 - **1** - **1**].
15 December 1952: Congo (Democratic Republic of the): Mutsora: RMCA: 1 [1 - **1** - **1**].
23 January 1953: Congo (Democratic Republic of the): Kalonge: RBINS: 1 [1 - **1** - **1**].
28 January 1953: Congo (Democratic Republic of the): Kalonge: RMCA: 1 [1 - **1** - **1**].
22 February 1953: Congo (Democratic Republic of the): Kalonge: RMCA: 1 [1 - **1** - **1**].
13 March 1953: Congo (Democratic Republic of the): Ishango River: RMCA: 1 [1 - **1** - **1**].
17 March 1953: Congo (Democratic Republic of the): Ishango River: RMCA: 1 [1 - **1** - **1**].
18 March 1953: Congo (Democratic Republic of the): Kasindi-port: RMCA: 1 [1 - **1** - **1**].
21 March 1953: Congo (Democratic Republic of the): Ngokai: RMCA: 1 [1 - **1** - **1**].
11 May 1953: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
8 July 1953: Congo (Democratic Republic of the): Makisabu: RMCA: 1 [1 - **1** - **1**].
24 August 1953: Congo (Democratic Republic of the): Vieux Beni: RMCA: 1 [1 - **1** - **1**].
26 August 1953: Congo (Democratic Republic of the): Kilinga: RMCA: 1 [1 - **1** - **1**].
27 August 1953: Congo (Democratic Republic of the): Murambi: RMCA: 6 [6 - **6** - **6**].
7 September 1953: Congo (Democratic Republic of the): Kanzarue river: RMCA: 1 [1 - **1** - **1**].
15 September 1953: Congo (Democratic Republic of the): Bunyenzi: RMCA: 2 [2 - **2** - **2**].
16 September 1953: Congo (Democratic Republic of the): Kanyatsi: RMCA: 1 [1] - Rutshuru: RMCA: 2 [2 - **3** - **3**].
17 September 1953: Congo (Democratic Republic of the): Bunyenzi: RMCA: 1 [1 - **1** - **1**].
18 September 1953: Congo (Democratic Republic of the): Kadehe: RMCA: 3 [3] - Kantundwe: RMCA: 1 [1 - **4** - **4**].
21 September 1953: Congo (Democratic Republic of the): Murambi: RMCA: 2 [2 - **2** - **2**].
22 September 1953: Congo (Democratic Republic of the): Kasindi-port: RMCA: 1 [1] - Rusenyi river: RMCA: 2 [2 - **3** - **3**].
23 September 1953: Congo (Democratic Republic of the): Museya: RMCA: 1 [1 - **1** - **1**].
30 September 1953: Congo (Democratic Republic of the): Murambi: RMCA: 2 [2 - **2** - **2**].
9 October 1953: Congo (Democratic Republic of the): Lomera: RMCA: 1 [1 - **1** - **1**].
28 October 1953: Congo (Democratic Republic of the): Rodahira: RMCA: 1 [1 - **1** - **1**].
1 November 1953: Congo (Democratic Republic of the): Nyabikere: RMCA: 2 [2 - **2** - **2**].
23 November 1953: Congo (Democratic Republic of the): Kakungu: RMCA: 1 [1 - **1** - **1**].
3 December 1953: Congo (Democratic Republic of the): Bugara: RMCA: 11 [11 - **11** - **11**].
9 December 1953: Congo (Democratic Republic of the): Bunyangura: RMCA: 11 [11 - **11** - **11**].
11 December 1953: Congo (Democratic Republic of the): Mutsora: RMCA: 1 [1 - **1** - **1**].
20 January 1954: Congo (Democratic Republic of the): Rutshuru: RMCA: 9 [9 - **9** - **9**].
1 February 1954: Congo (Democratic Republic of the): Nyabikere: RMCA: 10 [10 - **10** - **10**].
3 February 1954: Congo (Democratic Republic of the): Bunyenzi: RMCA: 16 [16 - **16** - **16**].
9 February 1954: Congo (Democratic Republic of the): Rutshuru: RMCA: 6 [6 - **6** - **6**].
10 February 1954: Congo (Democratic Republic of the): Nyakaliba: RBINS: 1 [1] - Nyakariba river: RMCA: 4 [4 - **5** - **5**].
13 February 1954: Congo (Democratic Republic of the): Mutsora: RMCA: 1 [1 - **1** - **1**].
15 February 1954: Congo (Democratic Republic of the): Kasebaya river: RMCA: 1 [1 - **1** - **1**].
18 February 1954: Congo (Democratic Republic of the): Busholinka river: RMCA: 2 [2 - **2** - **2**].
19 February 1954: Congo (Democratic Republic of the): Kasenyi: RMCA: 1 [1 - **1** - **1**].
10 March 1954: Congo (Democratic Republic of the): Rusenyi river: RMCA: 7 [7 - **7** - **7**].
15 March 1954: Congo (Democratic Republic of the): Kilinga: RMCA: 3 [3 - **3** - **3**].
19 March 1954: Congo (Democratic Republic of the): Kantundwe: RMCA: 7 [7 - **7** - **7**].
22 March 1954: Congo (Democratic Republic of the): Geramihasha: RMCA: 3 [3 - **3** - **3**].
27 March 1954: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
30 March 1954: Congo (Democratic Republic of the): Kantundwe: RMCA: 3 [3 - **3** - **3**].
5 April 1954: Congo (Democratic Republic of the): May Ya Moto: RMCA: 1 [1 - **1** - **1**].
7 April 1954: Congo (Democratic Republic of the): Fuko: RMCA: 3 [3 - **3** - **3**].

9 April 1954: Congo (Democratic Republic of the): Nyabitembe river: RMCA: 1 [1 - **1** - **1**].
22 April 1954: Congo (Democratic Republic of the): Rutshuru: RMCA: 4 [4 - **4** - **4**].
30 April 1954: Congo (Democratic Republic of the): Rumanura river: RMCA: 5 [5 - **5** - **5**].
3 May 1954: Congo (Democratic Republic of the): Geramihasha: RMCA: 4 [4 - **4** - **4**].
11 May 1954: Congo (Democratic Republic of the): Kyavinionge: RMCA: 1 [1 - **1** - **1**].
12 May 1954: Congo (Democratic Republic of the): Katanda: RMCA: 1 [1 - **1** - **1**].
13 May 1954: Congo (Democratic Republic of the): Kasindi: RMCA: 1 [1 - **1** - **1**].
20 May 1954: Congo (Democratic Republic of the): Kyavinionge: RMCA: 1 [1 - **1** - **1**].
21 May 1954: Congo (Democratic Republic of the): Kyavinionge: RMCA: 1 [1 - **1** - **1**].
10 June 1954: Congo (Democratic Republic of the): Kantundwe: RMCA: 7 [7 - **7** - **7**].
28 June 1954: Congo (Democratic Republic of the): Geramihasha: RMCA: 4 [4 - **4** - **4**].
3 July 1954: Congo (Democratic Republic of the): Ilimba: RMCA: 8 [8 - **8** - **8**].
5 July 1954: Congo (Democratic Republic of the): Kantundwe: RMCA: 7 [7 - **7** - **7**].
16 July 1954: Congo (Democratic Republic of the): Rodahira: RMCA: 6 [6 - **6** - **6**].
2 August 1954: Congo (Democratic Republic of the): Mutsora: RMCA: 1 [1 - **1** - **1**].
4 August 1954: Congo (Democratic Republic of the): Mutsora: RMCA: 1 [1 - **1** - **1**].
18 August 1954: Congo (Democratic Republic of the): Nyabikere: RMCA: 14 [14 - **14** - **14**].
30 August 1954: Congo (Democratic Republic of the): Rutshuru: RMCA: 2 [2 - **2** - **2**].
1 September 1954: Congo (Democratic Republic of the): Mutsora: RMCA: 1 [1 - **1** - **1**].
17 September 1954: Congo (Democratic Republic of the): Kantundwe: RMCA: 3 [3 - **3** - **3**].
15 October 1954: Congo (Democratic Republic of the): Kilinga: RMCA: 1 [1 - **1** - **1**].
23 October 1954: Congo (Democratic Republic of the): Kambukabakali: RMCA: 2 [2 - **2** - **2**].
27 October 1954: Congo (Democratic Republic of the): Kambukabakali: RMCA: 3 [3] - Lomera: RMCA: 1 [1 - **4** - **4**].
29 October 1954: Congo (Democratic Republic of the): Kambukabakali: RMCA: 2 [2 - **2** - **2**].
3 November 1954: Congo (Democratic Republic of the): Kantundwe: RMCA: 2 [2 - **2** - **2**].
4 November 1954: Congo (Democratic Republic of the): Kambukabakali: RMCA: 1 [1 - **1** - **1**].
5 November 1954: Congo (Democratic Republic of the): Kambukabakali: RMCA: 2 [2 - **2** - **2**].
8 November 1954: Congo (Democratic Republic of the): Mutwanga: RMCA: 1 [1 - **1** - **1**].
22 November 1954: Congo (Democratic Republic of the): Bunyangura: RMCA: 6 [6 - **6** - **6**].
23 November 1954: Congo (Democratic Republic of the): Losho: RMCA: 1 [1 - **1** - **1**].
24 November 1954: Congo (Democratic Republic of the): Kiavikire: RMCA: 1 [1 - **1** - **1**].
3 December 1954: Congo (Democratic Republic of the): Kishero: RMCA: 2 [2] - Rumanura river: RMCA: 2 [2 - **4** - **4**].
6 December 1954: Congo (Democratic Republic of the): Marumbi: RMCA: 1 [1 - **1** - **1**].
11 December 1954: Congo (Democratic Republic of the): Ishango River: RMCA: 1 [1 - **1** - **1**].
7 January 1955: Congo (Democratic Republic of the): Mutsora: RMCA: 1 [1 - **1** - **1**].
11 January 1955: Congo (Democratic Republic of the): Bunyangura: RMCA: 1 [1 - **1** - **1**].
31 January 1955: Congo (Democratic Republic of the): Bauelendu: RMCA: 1 [1 - **1** - **1**].
2 February 1955: Congo (Democratic Republic of the): Bauelendu: RMCA: 1 [1] - Mutsora: RMCA: 1 [1 - **2** - **2**].
7 February 1955: Congo (Democratic Republic of the): Nyabikere: RMCA: 2 [2 - **2** - **2**].
19 February 1955: Congo (Democratic Republic of the): Kasenyi: RMCA: 1 [1 - **1** - **1**].
27 May 1955: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
9 June 1955: Congo (Democratic Republic of the): Kahama: RMCA: 6 [6 - **6** - **6**].
13 June 1955: Congo (Democratic Republic of the): Kwama Kwama, cave: RMCA: 2 [2 - **2** - **2**].
12 July 1955: Congo (Democratic Republic of the): Tsebahu: RMCA: 1 [1 - **1** - **1**].
13 July 1955: Congo (Democratic Republic of the): Kabambi: RMCA: 3 [3 - **3** - **3**].
16 July 1955: Congo (Democratic Republic of the): Saga Saga, cave: RMCA: 2 [2 - **2** - **2**].
27 July 1955: Congo (Democratic Republic of the): Kabambi: RMCA: 2 [2 - **2** - **2**].
4 August 1955: Congo (Democratic Republic of the): Matupi Cave: RMCA: 1 [1 - **1** - **1**].
5 August 1955: Congo (Democratic Republic of the): Rodahira: RMCA: 2 [2 - **2** - **2**].
24 August 1955: Congo (Democratic Republic of the): Kashwa: RMCA: 2 [2 - **2** - **2**].
25 August 1955: Congo (Democratic Republic of the): Murambi: RMCA: 2 [2 - **2** - **2**].
30 August 1955: Congo (Democratic Republic of the): Nyabikere: RMCA: 1 [1 - **1** - **1**].
19 September 1955: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
5 December 1955: Congo (Democratic Republic of the): Rutshuru: RMCA: 2 [2 - **2** - **2**].
15 April 1956: Congo (Democratic Republic of the): May Ya Moto: RMCA: 1 [1 - **1** - **1**].
22 November 1956: Congo (Democratic Republic of the): Ngwiro: RMCA: 1 [1 - **1** - **1**].
17 May 1957: Congo (Democratic Republic of the): Kantundwe: RMCA: 1 [1 - **1** - **1**].
3 June 1957: Congo (Democratic Republic of the): Tungudu: RMCA: 1 [1 - **1** - **1**].
17 June 1957: Congo (Democratic Republic of the): Ngamaye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for de Witte, Gaston-François: 361

de Witte, Gaston-François; *et al.*

Collection Date Unknown: Congo (Democratic Republic of the): Mugunga, Lake: RBINS: 2 [2] - Nzulu: RBINS: 2 [2] - Rutshuru: RBINS: 1 [1] - Vitshumbi: RBINS: 1 [1 - **6** - **6**].
28 September 1933: Congo (Democratic Republic of the): Vitshumbi: RBINS: 1 [1 - **1** - **1**].
12 June 1947: Congo (Democratic Republic of the): Lusinga: RBINS: 1 [1 - **1** - **1**].
1 October 1947: Congo (Democratic Republic of the): Kaswabilenga: RBINS: 1 [1 - **1** - **1**].
8 October 1947: Congo (Democratic Republic of the): Kaswabilenga: RBINS: 1 [1 - **1** - **1**].
25 November 1947: Congo (Democratic Republic of the): Kateke: RBINS: 1 [1 - **1** - **1**].
26 November 1947: Congo (Democratic Republic of the): Kateke: RBINS: 5 [5 - **5** - **5**].
27 November 1947: Congo (Democratic Republic of the): Kateke: RBINS: 9 [9 - **9** - **9**].
1 December 1947: Congo (Democratic Republic of the): Kateke: RBINS: 8 [8 - **8** - **8**].
4 December 1947: Congo (Democratic Republic of the): Kateke: RBINS: 9 [9 - **9** - **9**].

10 December 1947: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
14 January 1948: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
7 May 1948: Congo (Democratic Republic of the): Kiamokoto: RBINS: 1 [1 - **1** - **1**].
2 June 1948: Congo (Democratic Republic of the): Munoi confluence: RBINS: 3 [3 - **3** - **3**].
11 February 1949: Congo (Democratic Republic of the): Mabwe river: RBINS: 2 [2 - **2** - **2**].
1 March 1949: Congo (Democratic Republic of the): Mabwe river: RBINS: 6 [6 - **6** - **6**].
10 August 1949: Congo (Democratic Republic of the): Mabwe river: RBINS: 6 [6 - **6** - **6**].
27 April 1952: Congo (Democratic Republic of the): Byangore river: RBINS: 1 [1 - **1** - **1**].

Total Specimens for de Witte, Gaston-François; *et al.*: 63

de Witte, Gaston-François; de Crawhez

13 November 1930: Congo (Democratic Republic of the): Kakyelo: RMCA: 9 [9 - **9** - **9**].
20 December 1930: Congo (Democratic Republic of the): Lukafu: RMCA: 4 [4 - **4** - **4**].

Total Specimens for de Witte, Gaston-François; de Crawhez: 13

Debreczy, Zoltan; Mahunka, Sándor

14 April 1977: Tunisia: El Hamma: HNHM: 12 [12 - **12** - **12**].

Total Specimens for Debreczy, Zoltan; Mahunka, Sándor: 12

Decary, Raymond
(1891: Méry-sur-Seine - 1973: Paris)

Collection Date Unknown: Madagascar: Unknown locality: MNHN: 6 [6] - Mistinjo: MNHN: 1 [1 - **7** - **7**].
1 July 1926: Madagascar: Beloha: MCZ: 1 [1 - **1** - **1**].
1 January 1927: Madagascar: Andrahomana cave: MCZ: 1 [1 - **1** - **1**].
1 January 1928: Madagascar: Fort Carnot [=Ikongo]: MCZ: 2 [2] - Tanala: MCZ: 1 [1 - **3** - **3**].
1 January 1930: Madagascar: Mistinjo: MNHN: 2 [2 - **2** - **2**].
1 March 1930: Madagascar: Calata cave: MCZ: 1 [1 - **1** - **1**].
10 July 1930: Madagascar: Ankilizato: MCZ: 1 [1 - **1** - **1**].
1 July 1931: Madagascar: Behara: MCZ: 12 [12 - **12** - **12**].
1 February 1932: Madagascar: Moramanga: MCZ: 2 [2 - **2** - **2**].
4 April 1932: Madagascar: Tsiombe-Androy: MCZ: 1 [1 - **1** - **1**].
1 May 1932: Madagascar: Fort Dauphin, near: MCZ: 2 [2 - **2** - **2**].
1 June 1932: Madagascar: Tranoroa: MCZ: 12 [12] - Tsimilofo: MCZ: 3 [3 - **15** - **15**].
1 July 1932: Madagascar: Lower Fiherenana Valley: MCZ: 1 [1 - **1** - **1**].
1 January 1933: Madagascar: Fort Dauphin: MCZ: 11 [11 - **11** - **11**].
1 December 1933: Madagascar: Lower Fiherenana Valley: MCZ: 1 [1 - **1** - **1**].
1 January 1938: Madagascar: Ankarafantsika Forest: MCZ: 2 [2] - Western Madagascar: FMNH: 2 [2 - **4** - **4**].
3 March 1938: Madagascar: Antananarivo: MCZ: 2 [2 - **2** - **2**].
18 September 1940: Madagascar: Causse de Namoroka: FMNH: 3 [3 - **3** - **3**].

Total Specimens for Decary, Raymond: 70

Decher, Jan

13 January 1992: Ghana: Shai Hills Resource Reserve: CM: 7 [7 - **7** - **7**].
18 January 1992: Ghana: Shai Hills Resource Reserve: CM: 2 [2 - **2** - **2**].
23 January 1992: Ghana: Shai Hills Resource Reserve: CM: 1 [1 - **1** - **1**].
21 November 1999: Ghana: Wli Waterfall: SMF: 1 [1 - **1** - **1**].
11 August 2001: Ghana: Wli Waterfall: SMF: 1 [1 - **1** - **1**].

Total Specimens for Decher, Jan: 12

Decorse, J.

1 January 1900: Madagascar: Meratanana: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Decorse, J.: 1

Degen, E.

Collection Date Unknown: Uganda: Entebbe: BMNH: 1 [1 - **1** - **1**].
10 January 1902: Ethiopia: Harar: BMNH: 1 [1] - Harrar [=Harar]: BMNH: 1 [1 - **2** - **2**].
16 June 1905: Uganda: Entebbe: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Degen, E.: 5

Degotte

Collection Date Unknown: Congo (Democratic Republic of the): Ibambi: RMCA: 1 [1] - Pawa: RMCA: 3 [3 - **4** - **4**].

31 December 1936: Congo (Democratic Republic of the): Pawa: RMCA: 2 [2 - **2** - **2**].
8 November 1938: Congo (Democratic Republic of the): Pawa: RMCA: 1 [1 - **1** - **1**].
10 November 1938: Congo (Democratic Republic of the): Ibambi: RMCA: 1 [1 - **1** - **1**].
11 November 1938: Congo (Democratic Republic of the): Ibambi: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Degotte: 9

Degrolle

Collection Date Unknown: South Africa: Caffraria: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Degrolle: 1

Deheegher, Jan

Collection Date Unknown: Congo (Democratic Republic of the): Luluabourg: RMCA: 19 [19 - **19** - **19**].
1 January 1931: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].
1 January 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
18 April 1963: Congo (Democratic Republic of the): Luluabourg: RMCA: 3 [3 - **3** - **3**].
3 July 1965: Congo (Democratic Republic of the): Luluabourg: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Deheegher, Jan: 28

Deheyn, Jean Jacques

Collection Date Unknown: Congo (Democratic Republic of the): Kalina: RMCA: 2 [2 - **2** - **2**].
10 October 1937: Congo (Democratic Republic of the): Gumba: RMCA: 2 [2 - **2** - **2**].
2 May 1939: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 3 [3 - **3** - **3**].
6 May 1939: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 2 [2 - **2** - **2**].
7 May 1939: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
24 May 1939: Congo (Democratic Republic of the): St Joseph de Luluabourg mission: RMCA: 1 [1 - **1** - **1**].
12 November 1945: Congo (Democratic Republic of the): Léopoldville: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Deheyn, Jean Jacques: 13

Dehning, C.

11 March 1995: South Africa: Olifantsfontein, 42 Oribi Ave: TM: 1 [1 - **1** - **1**].

Total Specimens for Dehning, C.: 1

Delacour, Jean B. Theodore
(26 September 1890: Paris - 5 November 1985)

20 May 1930: Madagascar: Maroantsetra [= Bevato], 40 km NW: FMNH: 5 [5 - **5** - **5**].
31 March 1931: Madagascar: Soalala: FMNH: 1 [1 - **1** - **1**].
1 January 1947: Madagascar: Andreaba: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Delacour, Jean B. Theodore: 7

Delacour, Jean B. Theodore; Lowe

16 July 1929: Madagascar: Tsiandro: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Delacour, Jean B. Theodore; Lowe: 1

Delamere

Collection Date Unknown: Ethiopia: Dobleh: BMNH: 1 [1 - **1**].
Kenya: Gilgil river: BMNH: 1 [1 - **1**].
Nigeria: Oban: BMNH: 1 [1 - **1** - **3**].

Total Specimens for Delamere: 3

Deloye, M.

Collection Date Unknown: Comoros: Anjouan Island: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Deloye, M.: 2

Delvaux

1 January 1932: Congo (Democratic Republic of the): Dilolo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Delvaux: 1

Dely, O.Gy.

27 September 1957: Egypt: Between Abu-Rawash and the pyramids: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Dely, O.Gy.: 1

Dely, O.Gy.; Zilahy, F.

2 August 1973: Algeria: Ighzer cave: HNHM: 1 [1 - **1** - **1**].
17 August 1973: Algeria: Batna: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Dely, O.Gy.; Zilahy, F.: 2

Demery, Jackson

Collection Date Unknown: Liberia: Unknown locality: RMNH: 1 [1 - **1** - **1**].
28 June 1892: Liberia: Grand Lapin: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Demery, Jackson: 2

Demeter, Andras

3 July 1978: Nigeria: Wikki: HNHM: 1 [1 - **1** - **1**].
22 July 1978: Nigeria: Wikki: HNHM: 1 [1 - **1** - **1**].
23 July 1978: Nigeria: Wikki: HNHM: 1 [1 - **1** - **1**].
1 August 1978: Nigeria: Wikki: HNHM: 5 [5 - **5** - **5**].
2 August 1978: Nigeria: Wikki: HNHM: 3 [3 - **3** - **3**].
6 August 1978: Nigeria: Futuk: HNHM: 1 [1 - **1** - **1**].
7 August 1978: Nigeria: Futuk: HNHM: 1 [1 - **1** - **1**].
10 August 1978: Nigeria: Wikki: HNHM: 24 [24 - **24** - **24**].
13 August 1978: Nigeria: Wikki: HNHM: 22 [22 - **22** - **22**].
9 September 1980: Ethiopia: Awash-NP: HNHM: 1 [1 - **1** - **1**].
12 October 1980: Ethiopia: Lake Langano: HNHM: 5 [5 - **5** - **5**].
13 October 1980: Ethiopia: Lake Langano: HNHM: 17 [17 - **17** - **17**].
7 November 1980: Ethiopia: Awash river: HNHM: 14 [14 - **14** - **14**].
9 November 1980: Ethiopia: Illala Sala, Awash-NP: HNHM: 11 [11 - **11** - **11**].
23 November 1980: Ethiopia: Adis Abeba: HNHM: 2 [2 - **2** - **2**].
1 December 1980: Ethiopia: Sabeta: HNHM: 2 [2 - **2** - **2**].

Total Specimens for Demeter, Andras: 111

Demos, Terrence C.

10 June 2007: Malawi: Mughese Forest: FMNH: 1 [1 - **1** - **1**].
11 June 2007: Malawi: Mughese Forest: FMNH: 1 [1 - **1** - **1**].
15 June 2007: Malawi: Mughese Forest: FMNH: 1 [1 - **1** - **1**].
16 June 2007: Malawi: Mwalingo: FMNH: 1 [1 - **1** - **1**].
17 June 2007: Malawi: Mughese Forest: FMNH: 1 [1] - Mwalingo: FMNH: 1 [1 - **2** - **2**].
21 June 2007: Malawi: Mwalingo: FMNH: 1 [1 - **1** - **1**].
23 June 2007: Malawi: Mwalingo: FMNH: 1 [1 - **1** - **1**].
27 June 2007: Malawi: Mwalingo: FMNH: 1 [1 - **1** - **1**].
30 June 2007: Malawi: Mwalingo: FMNH: 11 [11 - **11** - **11**].
1 July 2007: Malawi: Mwalingo: FMNH: 5 [5 - **5** - **5**].
2 July 2007: Malawi: Wilindi Forest: FMNH: 2 [2 - **2** - **2**].
5 July 2007: Malawi: Mwalingo: FMNH: 1 [1] - Wilindi Forest: FMNH: 1 [1 - **2** - **2**].
7 July 2007: Malawi: Mwalingo: FMNH: 3 [3 - **3** - **3**].
8 July 2007: Malawi: Mwalingo: FMNH: 2 [2 - **2** - **2**].
9 July 2007: Malawi: Wilindi Forest: FMNH: 2 [2 - **2** - **2**].
10 July 2007: Malawi: Mwalingo: FMNH: 1 [1 - **1** - **1**].
14 July 2007: Malawi: Chinunka, 1.6 km SE: FMNH: 1 [1 - **1** - **1**].
15 July 2007: Malawi: Chinunka, 1.6 km SE: FMNH: 2 [2 - **2** - **2**].
16 July 2007: Malawi: Chinunka, 1.6 km SE: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Demos, Terrence C.: 41

Dent, R.E.
(1882 -)

Collection Date Unknown: Congo (Democratic Republic of the): Fort Beni: BMNH: 1 [1 - **1**].
South Africa: Kuruman: BMNH: 1 [1 - **1**].
Uganda: Ruwenzori: BMNH: 1 [1] - Ruwenzori SE: BMNH: 3 [3 - **4** - **6**].
24 January 1904: South Africa: Kuruman: BMNH: 1 [1 - **1** - **1**].
13 March 1906: Uganda: Ruwenzori East: BMNH: 1 [1 - **1** - **1**].

17 June 1906: Uganda: Ruwenzori SE: BMNH: 1 [1 - **1** - **1**].
8 August 1906: Congo (Democratic Republic of the): Beni: BMNH: 2 [2 - **2** - **2**].
29 November 1919: Uganda: Entebbe, 60 mi [=90 km] W: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Dent, R.E.: 12

Dent, R.E.; Woosnam, R.B.

Collection Date Unknown: Congo (Democratic Republic of the): Ituri Forest: BMNH: 1 [1 - **1** - **1**].
7 March 1904: South Africa: Kuruman: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Dent, R.E.; Woosnam, R.B.: 2

Denys, Christiane

Collection Date Unknown: Guinea: Gbié: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Denys, Christiane: 1

Derby, Edward Smith Stanley
(1775 - 1851)

Collection Date Unknown: The Gambia: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Derby, Edward Smith Stanley: 1

Derscheid, J.M.

Collection Date Unknown: Congo (Democratic Republic of the): Zambi: RMCA: 4 [4 - **4** - **4**].

Total Specimens for Derscheid, J.M.: 4

Descarpentier, A.; Villiers, A.

7 November 1963: Congo: Dimonika: MNHN: 1 [1 - **1** - **1**].
17 January 1964: Congo: Dimonika: MNHN: 2 [2 - **2** - **2**].
2 October 1967: Senegal: Linguère: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Descarpentier, A.; Villiers, A.: 4

Desfayes, Michel

3 April 1971: Ethiopia: Belegaz Valley: FMNH: 4 [4 - **4** - **4**].
9 April 1971: Ethiopia: Belès: MHNG: 1 [1 - **1** - **1**].
21 April 1971: Ethiopia: Lake Shalla: FMNH: 27 [27 - **27** - **27**].
2 May 1971: Ethiopia: Afallo: FMNH: 3 [3 - **3** - **3**].
8 May 1971: Ethiopia: Challa, mount: FMNH: 10 [10 - **10** - **10**].

Total Specimens for Desfayes, Michel: 45

Desjardins, M.

Collection Date Unknown: Mauritius: Unknown locality: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Desjardins, M.: 1

Dessier, A.

24 December 1972: Congo: Divenié: ZMA: 10 [10 - **10** - **10**].

Total Specimens for Dessier, A.: 10

DeWinton, W.E.

1 July 1991: Sudan: Khartoum state: SMF: 1 [1 - **1** - **1**].

Total Specimens for DeWinton, W.E.: 1

Dewulf, H.

1 January 1953: Congo (Democratic Republic of the): Ambarau: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Dewulf, H.: 1

Deyrolle, P.

Collection Date Unknown: Mauritius: Unknown locality: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Deyrolle, P.: 1

D'Haenens

4 January 1956: Congo (Democratic Republic of the): Mimbulu: RMCA: 2 [2 - **2** - **2**].
5 January 1956: Congo (Democratic Republic of the): Kalulako: RMCA: 1 [1] - Kilobelobe: RMCA: 1 [1 - **2** - **2**].
6 January 1956: Congo (Democratic Republic of the): Kilobelobe: RMCA: 2 [2 - **2** - **2**].
4 November 1956: Congo (Democratic Republic of the): Kalulako: RMCA: 6 [6 - **6** - **6**].

Total Specimens for D'Haenens: 12

Dick, J.A.

31 May 1972: Zimbabwe: Humane Ranch: ROM: 1 [1 - **1** - **1**].
1 June 1972: Zimbabwe: Humane Ranch: ROM: 2 [2 - **2** - **2**].
3 June 1972: Zimbabwe: Humane Ranch: ROM: 1 [1 - **1** - **1**].
28 January 1974: Zimbabwe: Mineral King Farm: ROM: 1 [1 - **1** - **1**].
9 February 1974: South Africa: Boekenhoufontein: ROM: 4 [4 - **4** - **4**].
10 February 1974: South Africa: Boekenhoufontein: ROM: 1 [1 - **1** - **1**].

Total Specimens for Dick, J.A.: 10

Dickerman, Robert W.

Collection Date Unknown: Liberia: Gabagea River: AMNH: 5 [5 - **5** - **5**].
24 March 1988: Liberia: Greenville: AMNH: 3 [3 - **3** - **3**].
28 March 1988: Liberia: Juarzon: AMNH: 5 [5 - **5** - **5**].
29 March 1988: Liberia: Juarzon: AMNH: 1 [1 - **1** - **1**].
31 March 1988: Liberia: Juarzon: AMNH: 2 [2 - **2** - **2**].
3 April 1988: Liberia: Jaoudi, ca. 12 mi SSE: AMNH: 1 [1 - **1** - **1**].
4 April 1988: Liberia: Jaoudi, ca. 12 mi SSE: AMNH: 1 [1 - **1** - **1**].
7 April 1988: Liberia: Jaoudi, ca. 12 mi SSE: AMNH: 2 [2 - **2** - **2**].
8 April 1988: Liberia: Jaoudi, 12 mi SSE: AMNH: 1 [1] - Jaoudi, ca. 12 mi SSE: AMNH: 2 [2 - **3** - **3**].
11 April 1988: Liberia: Jaoudi, ca. 12 mi SSE: AMNH: 1 [1 - **1** - **1**].
1 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 1 [1 - **1** - **1**].
3 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 6 [6] - Ziggida, 2 km E, 7 km N: AMNH: 1 [1 - **7** - **7**].
4 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 14 [14] - Ziggida, 2 km E, 7 km N: AMNH: 1 [1] - Ziggida, 7 mi [=11 km] N, 1 mi [= 1.6 km] E: AMNH: 1 [1] - Ziggida, 7 mi N, 1 mi E: AMNH: 2 [2 - **18** - **18**].
5 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 13 [13 - **13** - **13**].
6 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 3 [3 - **3** - **3**].
7 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 5 [5 - **5** - **5**].
8 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 10 [10 - **10** - **10**].
9 March 1990: Liberia: Ziggida, 1 km E, 10.5 km N: AMNH: 1 [1] - Ziggida, 10.5 km N, 1 km E: AMNH: 11 [11 - **12** - **12**].
10 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 2 [2 - **2** - **2**].
11 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 4 [4 - **4** - **4**].
12 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 10 [10] - Ziggida, 13 km N, 1 km E: AMNH: 2 [2 - **12** - **12**].
13 March 1990: Liberia: Ziggida, 1 km E, 10.5 km N: AMNH: 1 [1] - Ziggida, 10.5 km N, 1 km E: AMNH: 14 [14] - Ziggida, 13 km N, 1 km E: AMNH: 2 [2 - **17** - **17**].
14 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 6 [6] - Ziggida, 13 km N, 1 km E: AMNH: 11 [11 - **17** - **17**].
15 March 1990: Liberia: Ziggida, 1 km E, 10.5 km N: AMNH: 1 [1] - Ziggida, 10.5 km N, 1 km E: AMNH: 3 [3] - Ziggida, 13 km N, 1 km E: AMNH: 2 [2 - **6** - **6**].
16 March 1990: Liberia: Gabagea River: AMNH: 2 [2] - Ziggida, 10.5 km N, 1 km E: AMNH: 2 [2] - Ziggida, 13 km N, 1 km E: AMNH: 8 [8 - **12** - **12**].
17 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 3 [3 - **3** - **3**].
18 March 1990: Liberia: Ziggida, 1 km E, 13 km N: AMNH: 1 [1] - Ziggida, 10.5 km N, 1 km E: AMNH: 5 [5] - Ziggida, 13 km N, 1 km E: AMNH: 2 [2 - **8** - **8**].
19 March 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 1 [1] - Ziggida, 13 km N, 1 km E: AMNH: 3 [3 - **4** - **4**].
20 March 1990: Liberia: Gabagea River: AMNH: 3 [3] - Ziggida, 11 km N, 2 km E: AMNH: 2 [2] - Ziggida, 13 km N, 1 km E: AMNH: 2 [2 - **7** - **7**].
21 March 1990: Liberia: Gabagea River: AMNH: 8 [8] - Ziggida, 11 km N, 2 km E: AMNH: 2 [2 - **10** - **10**].
22 March 1990: Liberia: Gabagea River: AMNH: 11 [11] - Ziggida, 1 km N, 3 km E: AMNH: 1 [1] - Ziggida, 11 km N, 2 km E: AMNH: 1 [1 - **13** - **13**].
23 March 1990: Liberia: Gabagea River: AMNH: 14 [14] - Ziggida, 11 km N, 2 km E: AMNH: 2 [2 - **16** - **16**].
24 March 1990: Liberia: Gabagea River: AMNH: 10 [10] - Ziggida, 11 km N, 2 km E: AMNH: 1 [1 - **11** - **11**].
25 March 1990: Liberia: Gabagea River: AMNH: 7 [7 - **7** - **7**].
26 March 1990: Liberia: Gabagea River: AMNH: 9 [9 - **9** - **9**].
27 March 1990: Liberia: Gabagea River: AMNH: 2 [2 - **2** - **2**].
8 April 1990: Liberia: Jaoudi, ca. 12 mi SSE: AMNH: 1 [1 - **1** - **1**].
29 July 1990: Liberia: Ziggida, 10.5 km N, 1 km E: AMNH: 2 [2 - **2** - **2**].

1 November 1996: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Dickerman, Robert W.: 258

Dickson, E.

24 December 1984: South Africa: Kamberg Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Dickson, E.: 1

Diehl, E.

Collection Date Unknown: Cameroon: Nsannakang [=Nsanakang]: ZMB: 4 [4 - **4** - **4**].

Total Specimens for Diehl, E.: 4

Dierckx, M.

Collection Date Unknown: Congo (Democratic Republic of the): Kabongo: RMCA: 3 [3 - **3** - **3**].
1 January 1952: Congo (Democratic Republic of the): Kabongo: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Dierckx, M.: 5

Diesener

Collection Date Unknown: Tanzania: Tabora: ZMB: 6 [6 - **6** - **6**].

Total Specimens for Diesener: 6

Dieterlen, Fritz
(12 April 1929: Rottweil - 17 January 2017)

14 October 1963: Congo (Democratic Republic of the): Lwiro: SMNS: 1 [1 - **1** - **1**].
28 November 1964: Congo (Democratic Republic of the): Lwiro: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Dieterlen, Fritz: 2

Dillion, C.

20 October 1999: South Africa: Westbrook: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Dillion, C.: 1

Dinkelacker

22 October 1935: Tanzania: Dar es Salaam: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Dinkelacker: 1

Dinter

Collection Date Unknown: Namibia: Okahandja: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Dinter: 2

Dippenaar, Nicolaas Jacobus [=Nico]

30 March 1973: South Africa: New Agatha Forest Reserve: TM: 1 [1 - **1** - **1**].
8 July 1973: South Africa: Uitkyk en Paranie Private Nature Reserve: TM: 7 [7 - **7** - **7**].
18 November 1973: South Africa: Farm Welgedaan 292: TM: 1 [1 - **1** - **1**].
2 March 1974: South Africa: New Agatha Forest Reserve: TM: 1 [1 - **1** - **1**].
31 March 1974: South Africa: New Agatha Forest Reserve: TM: 2 [2 - **2** - **2**].
2 April 1974: South Africa: Haenertsburg: TM: 1 [1] - New Agatha Forest Reserve: TM: 4 [4 - **5** - **5**].
1 December 1974: South Africa: Farm Enkeldoornspoort 207: TM: 1 [1 - **1** - **1**].
11 December 1974: South Africa: Farm Leeuwspoor 647, on Pongola river: TM: 1 [1 - **1** - **1**].
18 December 1974: South Africa: Farm Roodepoort 386: TM: 4 [4 - **4** - **4**].
6 October 1977: South Africa: Farm Narap: TM: 2 [2] - Marop: TM: 1 [1 - **3** - **3**].
10 October 1977: South Africa: Farm Kersbos: TM: 10 [10 - **10** - **10**].
16 October 1977: South Africa: Farm Kersbos: TM: 1 [1 - **1** - **1**].

Total Specimens for Dippenaar, Nicolaas Jacobus [=Nico]: 37

Dippenaar, Nicolaas Jacobus [=Nico]; de Jager, J.G.

25 August 1976: South Africa: Farm Al-te-ver 103: TM: 3 [3 - **3** - **3**].

Total Specimens for Dippenaar, Nicolaas Jacobus [=Nico]; de Jager, J.G.: 3

Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]

Collection Date Unknown: South Africa: Mosdene Private Nature Reserve: TM: 1 [1 - **1** - **1**].
4 April 1973: South Africa: Loskopdam Nature Reserve: TM: 1 [1 - **1** - **1**].
5 April 1973: South Africa: Loskopdam Nature Reserve: TM: 3 [3 - **3** - **3**].
6 April 1973: South Africa: Loskopdam Nature Reserve: TM: 1 [1 - **1** - **1**].
9 April 1973: South Africa: Loskopdam Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: 7

Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Underwood

7 April 1973: South Africa: Loskopdam Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Underwood: 1

Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Wolhuter, P.J.

4 October 1981: Zimbabwe: Chirinda Forest: TM: 2 [2 - **2** - **2**].
7 October 1981: Zimbabwe: Umtali mine adit: TM: 12 [12 - **12** - **12**].
11 October 1981: Zimbabwe: Rhodes Inyanga National Park: TM: 1 [1 - **1** - **1**].

Total Specimens for Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Wolhuter, P.J.: 15

Dippenaar, Nicolaas Jacobus [=Nico]; Wolhuter, David A.

28 April 1980: South Africa: Diepwalle State Forest: TM: 4 [4 - **4** - **4**].

Total Specimens for Dippenaar, Nicolaas Jacobus [=Nico]; Wolhuter, David A.: 4

Distant, W.L.

Collection Date Unknown: South Africa: Transvaal: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Distant, W.L.: 1

Dixon, J.

26 April 1964: South Africa: Makatini Flats, 20 mi [=32 km] E: USNM: 1 [1 - **1** - **1**].
4 May 1964: South Africa: Maputa: USNM: 4 [4 - **4** - **4**].
5 May 1964: South Africa: Maputa: USNM: 10 [10 - **10** - **10**].

Total Specimens for Dixon, J.: 15

Dixon, J.; Baddeley, M. St. C.

30 June 1959: South Africa: Ndumo Police Post: ROM: 1 [1 - **1** - **1**].
2 October 1959: South Africa: Ndumo Police Post: ROM: 1 [1 - **1** - **1**].
20 October 1959: South Africa: Ndumo Police Post: ROM: 1 [1 - **1** - **1**].
22 March 1964: South Africa: Newington: ROM: 1 [1 - **1** - **1**].
30 March 1964: South Africa: Ndumo Police Post: ROM: 2 [2 - **2** - **2**].
24 November 1965: South Africa: Newington: ROM: 1 [1 - **1** - **1**].
22 March 1966: South Africa: Newington: ROM: 5 [5 - **5** - **5**].

Total Specimens for Dixon, J.; Baddeley, M. St. C.: 12

Dobson, A.F.

Collection Date Unknown: Sierra Leone: Sierra Leone: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Dobson, A.F.: 1

Dobson, George Edward
(4 September 1848: Edgeworthstown - 25 November 1895: Malling Place)

Collection Date Unknown: Algeria: Unknown locality: USNM: 1 [1 - **1**].
Egypt: Unknown locality: BMNH: 1 [1 - **1**].

Ghana: Unknown locality: USNM: 1 [1] - Gold Coast [=Goldküste]: USNM: 1 [1 - **2**].
Nigeria: Lagos: BMNH: 1 [1 - **1**].
Sierra Leone: Unknown locality: USNM: 1 [1 - **1**].
Tanzania: Zanzibar: USNM: 1 [1 - **1** - **7**].

Total Specimens for Dobson, George Edward: 7

Dodson, W.

Collection Date Unknown: Egypt: Gizeh: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Dodson, W.: 3

Dohrn, Felix Anton
(1840 - 1909)

Collection Date Unknown: "Africa": Kha Principé: ZMB: 1 [1 - **1**].
São Tomé and Principé: Principé island: ZMB: 1 [1 - **1** - **2**].

Total Specimens for Dohrn, Felix Anton: 2

Domion

6 December 1943: South Africa: King Williamstown: KM: 1 [1 - **1** - **1**].

Total Specimens for Domion: 1

Donion, A.C.

1 September 1927: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].
2 September 1927: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Donion, A.C.: 2

Doria, Giacomo
(1840 - 1913)

Collection Date Unknown: Algeria: no specific locality: ZMB: 4 [4 - **4**].
Egypt: Unknown locality: ZMB: 6 [6] - Giza Pyramids: USNM: 1 [1] - Saqqara: USNM: 1 [1 - **8**].
Ethiopia: Abyssinia: ZMB: 1 [1 - **1**].
Senegal: Unknown locality: ZMB: 1 [1 - **1**].
Sudan: Nubia: ZMB: 1 [1 - **1**].
Tunisia: Tunis: USNM: 1, ZMB: 1 [2 - **2** - **17**].
2 May 1890: Eritrea: Massaua: USNM: 1 [1 - **1** - **1**].

Total Specimens for Doria, Giacomo: 18

Dorst, Jean Pierre
(7 August 1924: Mulhouse-Brunstatt - 8 August 2001)

25 April 1954: Morocco: Tata, near: MNHN: 8 [8 - **8** - **8**].
11 June 1968: Ethiopia: Agaro, 10 km from: MNHN: 3 [3 - **3** - **3**].
17 January 1971: Ethiopia: Ghinir, 7 km from: MNHN: 1 [1 - **1** - **1**].
26 September 1971: Ethiopia: Gimbi: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Dorst, Jean Pierre: 13

Dorst, Jean Pierre; *et al.*

10 June 1968: Ethiopia: Agaro, 10 km from: ZMA: 1 [1] - Agaro, 30 km from: MNHN: 10 [10 - **11** - **11**].
27 September 1971: Ethiopia: Gimbi, 12 km E: MNHN: 1 [1] - Gimbi, 25 km E: MNHN: 1 [1] - Gimbi, 7 km E: MNHN: 1 [1 - **3** - **3**].

Total Specimens for Dorst, Jean Pierre; *et al.*: 14

Douce

16 September 1927: Rwanda: Kisenyi: RMCA: 1 [1 - **1** - **1**].
1 January 1928: Burundi: Bujumbura: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Douce: 2

Doucet, J.

Collection Date Unknown: Côte d'Ivoire: Adiopodoumé: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Doucet, J.: 1

Douglas, R.

Collection Date Unknown: South Africa: Nelspruit, near: TM: 1 [1 - **1** - **1**].

Total Specimens for Douglas, R.: 1

Doulist, M.

15 June 1891: Madagascar: Morondava: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Doulist, M.: 1

Doutt, J. Kenneth

Collection Date Unknown: Angola: Luiana Camp: CM: 2 [2 - **2** - **2**].

Total Specimens for Doutt, J. Kenneth: 2

Dowsett, Robert Jack

Collection Date Unknown: Malawi: Wilindi Forest: NMZL: 4 [4 - **4**].
Zambia: in house: BMNH: 3 [3] - Jumbe: NHMZ: 5 [5] - Lochinvar: NMZL: 1 [1] - Lochinvar ranch: NHMZ: 2 [2 - **11** - **15**].
18 January 1964: Zambia: Jumbe: AMNH: 1 [1 - **1** - **1**].
21 December 1966: Zambia: Mfuwe: MSU: 30 [30 - **30** - **30**].
28 December 1966: Zambia: Mfuwe Game Camp: BMNH: 1 [1 - **1** - **1**].
8 March 1967: Zambia: Mfuwe: MSU: 2 [2 - **2** - **2**].
13 March 1967: Zambia: Mfuwe: MSU: 1 [1 - **1** - **1**].
14 March 1967: Zambia: Mfuwe: MSU: 4 [4 - **4** - **4**].
30 March 1967: Zambia: Mfuwe: MSU: 7 [7 - **7** - **7**].
11 April 1967: Zambia: Luangwa valley, Chisenga: BMNH: 1 [1] - Luangwa Valley, Chisombo: BMNH: 1 [1 - **2** - **2**].
17 May 1967: Zambia: Mfuwe: MSU: 3 [3 - **3** - **3**].
22 May 1967: Zambia: Mfuwe: MSU: 1 [1 - **1** - **1**].
21 June 1967: Zambia: Mfuwe: BMNH: 1 [1] - Mfuwe Game Camp: BMNH: 1 [1 - **2** - **2**].
30 June 1967: Zambia: Mfuwe: MSU: 1 [1 - **1** - **1**].
10 October 1967: Zambia: Mfuwe: MSU: 2 [2 - **2** - **2**].
30 October 1967: Zambia: Mfuwe: MSU: 1 [1 - **1** - **1**].
18 December 1969: Zambia: Lochinvar NP: MCZ: 1 [1 - **1** - **1**].
2 January 1970: Zambia: Lochinvar NP: MCZ: 1 [1 - **1** - **1**].
13 February 1970: Zambia: Lochinvar: NMZL: 2 [2 - **2** - **2**].
14 April 1970: Zambia: Chief Chitanda: NMZL: 1 [1 - **1** - **1**].
7 October 1970: Zambia: Lochinvar: NMZL: 1 [1 - **1** - **1**].
8 October 1970: Zambia: Lochinvar: NMZL: 1 [1 - **1** - **1**].
25 January 1971: Zambia: Lochinvar: NMZL: 1 [1 - **1** - **1**].
26 January 1971: Zambia: Lochinvar: NMZL: 1 [1 - **1** - **1**].
5 December 1971: Zambia: Muckle Neuk: NMZL: 1 [1 - **1** - **1**].
22 February 1972: Zambia: Muckle Neuk: NMZL: 1 [1 - **1** - **1**].
24 March 1972: Zambia: Lochinvar: NMZL: 1 [1 - **1** - **1**].
24 November 1973: Zambia: Lochinvar: NMZL: 1 [1 - **1** - **1**].
25 November 1973: Zambia: Lochinvar: NMZL: 1 [1 - **1** - **1**].

Total Specimens for Dowsett, Robert Jack: 87

Dragesco, Jean

Collection Date Unknown: Gabon: Bélinga: ZMA: 9 [9 - **9** - **9**].
1 January 1963: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
1 February 1963: Gabon: Bélinga, near: ZMA: 3 [3 - **3** - **3**].

Total Specimens for Dragesco, Jean: 13

Drake-Brockman, Ralph Evelyn
(1 October 1875 - 15 November 1952: Worthing)

Collection Date Unknown: Somalia: Upper Sheikh: BMNH: 1 [1 - **1** - **1**].
24 August 1907: Somalia: Upper Sheikh: BMNH: 1 [1 - **1** - **1**].
10 October 1909: Somalia: Upper Sheikh: BMNH: 1 [1 - **1** - **1**].
19 November 1909: Somalia: Upper Sheikh: BMNH: 1 [1 - **1** - **1**].
5 December 1909: Somalia: Upper Sheikh: BMNH: 1 [1 - **1** - **1**].
18 December 1909: Somalia: Upper Sheikh: BMNH: 1 [1 - **1** - **1**].
11 January 1910: Somalia: Upper Sheikh: BMNH: 1 [1 - **1** - **1**].
17 February 1910: Somalia: Upper Sheikh: BMNH: 1 [1 - **1** - **1**].

24 October 1910: Somalia: Zeyla: BMNH: 4 [4 - **4** - **4**].
29 October 1910: Somalia: Zeyla: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Drake-Brockman, Ralph Evelyn: 13

Drewes, Robert C.

23 June 1971: Kenya: Laisam id.: CAS: 1 [1 - **1** - **1**].

Total Specimens for Drewes, Robert C.: 1

Dridi, K.

27 May 1975: Tunisia: on road to Aioun Ameur, cave with mine: TTU: 5 [5 - **5** - **5**].

Total Specimens for Dridi, K.: 5

Dt. Theater Berlin

Collection Date Unknown: Tanzania: Pemba island: ZMB: 1 [1] - Tumbatu Island: ZMB: 1 [1 - **2** - **2**].

Total Specimens for Dt. Theater Berlin: 2

Du Preez, J.

9 March 1961: South Africa: Derdepoort: TM: 1 [1 - **1** - **1**].
14 March 1961: South Africa: Derdepoort: TM: 2 [2 - **2** - **2**].
9 April 1962: South Africa: Nelspruit: TM: 1 [1 - **1** - **1**].

Total Specimens for Du Preez, J.: 4

du Soleil

Collection Date Unknown: Congo (Democratic Republic of the): Kilo mines: RMCA: 1 [1 - **1** - **1**].
1 January 1930: Congo (Democratic Republic of the): Kilo [mines]: RMCA: 1 [1 - **1** - **1**].

Total Specimens for du Soleil: 2

Dube, R.

18 January 1966: Niger: Niamey, 25 km S: USNM: 1 [1 - **1** - **1**].

Total Specimens for Dube, R.: 1

Dubois, Albert

Collection Date Unknown: Congo (Democratic Republic of the): Pawa: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Dubois, Albert: 1

Dubois, Jean

3 June 1957: Congo (Democratic Republic of the): Bushokwe Caves: MCZ: 12 [12 - **12** - **12**].

Total Specimens for Dubois, Jean: 12

DuCane Godman, Frederick
(15 January 1834 - 19 February 1919)

Collection Date Unknown: Azores (Portugal): St Michael: BMNH: 1 [1 - **1** - **1**].

Total Specimens for DuCane Godman, Frederick: 1

Ducrot, M.

1 April 1961: Algeria: Heljani: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Ducrot, M.: 2

Dumont

Collection Date Unknown: Congo (Democratic Republic of the): Kisantu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Dumont: 1

Dundo Museum, the

Collection Date Unknown: Angola: Dundo Lundo: BMNH: 4 [4] - Lago Calundo: BMNH: 1 [1 - **5** - **5**].

Total Specimens for Dundo Museum, the: 5

Dunger, G.T.

Collection Date Unknown: Nigeria: Wase Rock: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Dunger, G.T.: 1

d'Unienville, Marc

23 July 1984: Mauritius: Unknown locality: AMNH: 1 [1 - **1** - **1**].

Total Specimens for d'Unienville, Marc: 1

Dupuis, L.

Collection Date Unknown: Congo (Democratic Republic of the): Bokungu: RMCA: 8 [8 - **8** - **8**].
1 January 1946: Congo (Democratic Republic of the): Ikela: RMCA: 2 [2 - **2** - **2**].
30 June 1948: Congo (Democratic Republic of the): Bokungu: RMCA: 1 [1 - **1** - **1**].
2 December 1948: Congo (Democratic Republic of the): Bokungu: RMCA: 1 [1 - **1** - **1**].
11 December 1948: Congo (Democratic Republic of the): Bokungu: RMCA: 1 [1 - **1** - **1**].
25 December 1948: Congo (Democratic Republic of the): Bokungu: RMCA: 2 [2 - **2** - **2**].
1 January 1949: Congo (Democratic Republic of the): Bokungu: RMCA: 2 [2 - **2** - **2**].
14 June 1949: Congo (Democratic Republic of the): Bokungu: RMCA: 1 [1 - **1** - **1**].
19 January 1952: Congo (Democratic Republic of the): Bokungu: RMCA: 2 [2 - **2** - **2**].
28 April 1952: Congo (Democratic Republic of the): Bokungu: RMCA: 1 [1 - **1** - **1**].
26 December 1952: Congo (Democratic Republic of the): Mondombe: RMCA: 1 [1 - **1** - **1**].
1 January 1953: Congo (Democratic Republic of the): Mondombe: RMCA: 1 [1 - **1** - **1**].
26 June 1953: Congo (Democratic Republic of the): Yalokele: RMCA: 2 [2 - **2** - **2**].
15 August 1953: Congo (Democratic Republic of the): Yalokele: RMCA: 2 [2 - **2** - **2**].
17 August 1953: Congo (Democratic Republic of the): Biyonga: RMCA: 1 [1 - **1** - **1**].
28 August 1953: Congo (Democratic Republic of the): Yalokele: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Dupuis, L.: 29

Durant

17 October 1924: Zimbabwe: Bulawayo: HZM: 1 [1 - **1** - **1**].

Total Specimens for Durant: 1

Durrell, G.

Collection Date Unknown: Mauritius: Cascade river: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Durrell, G.: 1

Duthie, Andrew

15 May 1988: South Africa: Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence: TM: 3 [3 - **3** - **3**].
30 May 1988: South Africa: Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence: TM: 3 [3 - **3** - **3**].
20 April 1989: South Africa: Gravelotte mines: TM: 1 [1 - **1** - **1**].

Total Specimens for Duthie, Andrew: 7

Dybowski, Jean
(1855 - 1928)

5 December 1891: Central African Republic: Mpoko: MNHN: 1 [1 - **1** - **1**].
1 April 1892: Central African Republic: Kemo, Upper: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Dybowski, Jean: 2

Dyer, M.E.

6 March 1976: Nigeria: Zaria: ROM: 1 [1 - **1** - **1**].
9 September 1979: Nigeria: Kagoro: ROM: 6 [6 - **6** - **6**].
10 September 1979: Nigeria: Kagoro: ROM: 3 [3 - **3** - **3**].
14 September 1979: Nigeria: Kagoro: ROM: 2 [2 - **2** - **2**].

16 September 1979: Nigeria: Kagoro: ROM: 1 [1 - **1** - **1**].
30 September 1979: Nigeria: Kagoro: ROM: 3 [3 - **3** - **3**].
1 October 1979: Nigeria: Kagoro: ROM: 2 [2 - **2** - **2**].
12 October 1979: Nigeria: Kagoro: ROM: 3 [3 - **3** - **3**].
14 October 1979: Nigeria: Kagoro: ROM: 1 [1 - **1** - **1**].
17 October 1979: Nigeria: Zaria: ROM: 1 [1 - **1** - **1**].
11 November 1979: Nigeria: Kagoro: ROM: 8 [8 - **8** - **8**].
18 November 1979: Nigeria: Kagoro: ROM: 1 [1] - Yankari: ROM: 2 [2 - **3** - **3**].
27 November 1979: Nigeria: Zaria: ROM: 5 [5 - **5** - **5**].
8 December 1979: Nigeria: Kagoro: ROM: 4 [4] - Zaria: ROM: 1 [1 - **5** - **5**].
23 December 1979: Nigeria: Sangs River Forest Reserve: ROM: 1 [1 - **1** - **1**].
20 January 1980: Nigeria: Zaria: ROM: 1 [1 - **1** - **1**].
22 February 1980: Nigeria: Zaria: ROM: 2 [2 - **2** - **2**].
19 April 1980: Nigeria: Kagoro: ROM: 2 [2 - **2** - **2**].
2 May 1980: Nigeria: Kagoro: BMNH: 1 [1 - **1** - **1**].
14 June 1980: Nigeria: Kagoro: ROM: 10 [10 - **10** - **10**].
5 July 1980: Nigeria: Wikki: ROM: 8 [8 - **8** - **8**].
4 November 1980: Nigeria: Kagoro: ROM: 1 [1 - **1** - **1**].
1 January 1981: Nigeria: Wikki: ROM: 3 [3 - **3** - **3**].
24 January 1981: Nigeria: Nindam Forest Reserve: ROM: 5 [5 - **5** - **5**].
23 February 1981: Nigeria: Obudu plateau: ROM: 1 [1 - **1** - **1**].
12 March 1981: Nigeria: Mambila plateau: ROM: 1 [1 - **1** - **1**].
23 March 1981: Nigeria: Okura Forest Reserve: ROM: 1 [1 - **1** - **1**].
24 March 1981: Nigeria: Ayangba: ROM: 1 [1 - **1** - **1**].
25 March 1981: Nigeria: Ayangba: ROM: 1 [1 - **1** - **1**].
4 April 1981: Nigeria: Kamuku Game Reserve: ROM: 3 [3] - S Birnin Gwari: ROM: 1 [1 - **4** - **4**].
20 April 1981: Nigeria: Wikki: ROM: 1 [1 - **1** - **1**].
29 April 1981: Nigeria: Zaria: ROM: 1 [1 - **1** - **1**].
2 May 1981: Nigeria: Nindam Forest Reserve: ROM: 1 [1 - **1** - **1**].
17 May 1981: Nigeria: Zaria: ROM: 1 [1 - **1** - **1**].
19 June 1981: Nigeria: Kagoro: BMNH: 1 [1] - Nindam Forest Reserve: ROM: 5 [5 - **6** - **6**].
20 June 1981: Nigeria: Kagoro: HZM: 1 [1] - Nindam farm: ROM: 1 [1] - Nindam Forest Reserve: ROM: 6 [6 - **8** - **8**].
4 July 1981: Nigeria: Wikki: ROM: 5 [5 - **5** - **5**].
5 July 1981: Nigeria: Wikki: ROM: 5 [5 - **5** - **5**].
11 July 1981: Nigeria: Sapoba Forest Reserve: ROM: 3 [3 - **3** - **3**].
16 July 1981: Nigeria: Ayip Eku: ROM: 4 [4 - **4** - **4**].
19 October 1981: Nigeria: Ayip Eku: ROM: 2 [2 - **2** - **2**].
28 November 1981: Nigeria: Unknown locality: HZM: 1 [1 - **1** - **1**].

Total Specimens for Dyer, M.E.: 125

Dyer, M.E.; Dyer, M.

6 October 1974: Nigeria: Samaru: ROM: 1 [1 - **1** - **1**].
7 October 1974: Nigeria: Samaru: ROM: 1 [1 - **1** - **1**].
27 March 1975: Nigeria: Yankari: ROM: 2 [2 - **2** - **2**].
7 April 1975: Nigeria: Samaru: ROM: 2 [2 - **2** - **2**].
10 April 1975: Nigeria: Samaru: ROM: 2 [2] - Zaria, north central: ROM: 1 [1 - **3** - **3**].
13 April 1975: Nigeria: Samaru: ROM: 2 [2] - Zaria, north central: ROM: 1 [1 - **3** - **3**].
27 January 1976: Nigeria: Yankari: ROM: 1 [1 - **1** - **1**].
6 March 1976: Nigeria: Zaria: ROM: 9 [9 - **9** - **9**].
27 June 1976: Nigeria: Mokwa: ROM: 4 [4 - **4** - **4**].
6 July 1976: Nigeria: Ipole: ROM: 2 [2 - **2** - **2**].
12 July 1976: Nigeria: Omo Forest Reserve: ROM: 6 [6 - **6** - **6**].
13 July 1976: Nigeria: Omo Forest Reserve: ROM: 2 [2 - **2** - **2**].
14 July 1976: Nigeria: Omo Forest Reserve: ROM: 2 [2 - **2** - **2**].
25 August 1976: Nigeria: Olokemeji Forest Reserve: ROM: 2 [2 - **2** - **2**].
27 August 1976: Nigeria: Mokwa: ROM: 5 [5 - **5** - **5**].
28 August 1976: Nigeria: Mokwa: ROM: 3 [3 - **3** - **3**].
30 August 1976: Nigeria: Mokwa: ROM: 1 [1 - **1** - **1**].
1 October 1976: Nigeria: Kano: ROM: 1 [1 - **1** - **1**].
9 January 1977: Nigeria: Wikki: ROM: 1 [1 - **1** - **1**].
12 November 1979: Nigeria: Kagoro: ROM: 1 [1 - **1** - **1**].

Total Specimens for Dyer, M.E.; Dyer, M.: 52

Dyer, M.E.; Nation, H.

6 February 1977: Nigeria: Pandam: ROM: 6 [6 - **6** - **6**].
11 February 1977: Nigeria: Calabar: ROM: 1 [1 - **1** - **1**].
14 February 1977: Nigeria: Sapoba: ROM: 12 [12 - **12** - **12**].
15 February 1977: Nigeria: Sapoba: ROM: 5 [5 - **5** - **5**].
16 February 1977: Nigeria: Okomu: ROM: 4 [4 - **4** - **4**].
17 February 1977: Nigeria: Ibadan: ROM: 1 [1 - **1** - **1**].
18 February 1977: Nigeria: Ibadan: ROM: 7 [7 - **7** - **7**].

4 March 1977: Nigeria: Kagoro: ROM: 1 [1 - **1** - **1**].

Total Specimens for Dyer, M.E.; Nation, H.: 37

Dyleff, P.

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 2 [2] - Butembo: RMCA: 73 [73 - **75** - **75**].
4 February 1950: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
31 March 1950: Congo (Democratic Republic of the): Etembo: RMCA: 1 [1 - **1** - **1**].
25 April 1954: Congo (Democratic Republic of the): Butembo: RMCA: 3 [3 - **3** - **3**].
1 July 1955: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
1 August 1955: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
1 January 1956: Congo (Democratic Republic of the): Butembo: RMCA: 8 [8 - **8** - **8**].
31 January 1956: Congo (Democratic Republic of the): Butembo: RMCA: 3 [3 - **3** - **3**].
1 February 1956: Congo (Democratic Republic of the): Butembo: RMCA: 2 [2 - **2** - **2**].
11 February 1956: Congo (Democratic Republic of the): Butembo: RMCA: 6 [6 - **6** - **6**].
21 February 1956: Congo (Democratic Republic of the): Butembo: RMCA: 3 [3 - **3** - **3**].
1 April 1956: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
22 April 1956: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
28 April 1956: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
3 May 1956: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
1 June 1956: Congo (Democratic Republic of the): Butembo: RMCA: 4 [4 - **4** - **4**].
1 July 1956: Congo (Democratic Republic of the): Butembo: RMCA: 10 [10 - **10** - **10**].
27 July 1956: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
1 April 1957: Congo (Democratic Republic of the): Butembo: RMCA: 3 [3 - **3** - **3**].
25 July 1957: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
20 August 1957: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
26 August 1957: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
8 September 1957: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
8 January 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
10 January 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
22 January 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
5 February 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
27 February 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
6 March 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
18 March 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
4 April 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
16 April 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
23 April 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
24 April 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
28 April 1958: Congo (Democratic Republic of the): Butembo: RMCA: 3 [3 - **3** - **3**].
5 May 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
14 May 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
16 May 1958: Congo (Democratic Republic of the): Butembo: RMCA: 2 [2 - **2** - **2**].
2 June 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
4 June 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
7 June 1958: Congo (Democratic Republic of the): Butembo: RMCA: 2 [2 - **2** - **2**].
9 June 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
16 June 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
8 July 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
10 July 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
15 July 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
22 July 1958: Congo (Democratic Republic of the): Butembo: RMCA: 2 [2 - **2** - **2**].
29 July 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
12 August 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
13 August 1958: Congo (Democratic Republic of the): Butembo: RMCA: 2 [2 - **2** - **2**].
14 August 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
16 August 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
20 August 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
27 August 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
17 September 1958: Congo (Democratic Republic of the): Butembo: RMCA: 2 [2 - **2** - **2**].
1 October 1958: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
15 February 1959: Congo (Democratic Republic of the): Alima: RMCA: 2 [2 - **2** - **2**].
5 March 1959: Congo (Democratic Republic of the): Alima: RMCA: 1 [1 - **1** - **1**].
16 March 1959: Congo (Democratic Republic of the): Butembo: RMCA: 9 [9 - **9** - **9**].
23 September 1959: Congo (Democratic Republic of the): Alima: RMCA: 1 [1 - **1** - **1**].
12 February 1960: Congo (Democratic Republic of the): Alima: RMCA: 1 [1 - **1** - **1**].
26 July 1960: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
2 August 1960: Congo (Democratic Republic of the): Alima: RMCA: 1 [1 - **1** - **1**].
18 January 1961: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Dyleff, P.: 187

Dyson, W.G.

10 May 1955: Kenya: Kiega Hill: HZM: 1 [1 - **1** - **1**].

Total Specimens for Dyson, W.G.: 1

Dyson-Hudson, Neville (?) or R. (?)

16 February 1956: Uganda: Lotome: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Dyson-Hudson, Neville (?) or R. (?): 1

Earl, P.

Collection Date Unknown: "Africa": Unknown locality: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Earl, P.: 1

Easton, Emmett R.

15 November 1974: Tanzania: Muanza: AMNH: 14 [14 - **14** - **14**].
4 December 1975: Tanzania: Kigoma: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Easton, Emmett R.: 15

Ebeling

20 March 1964: Tanzania: Uto farm: ZMZ: 1 [1 - **1** - **1**].
2 April 1964: Tanzania: Uto farm: ZMZ: 1 [1 - **1** - **1**].
31 May 1964: Tanzania: Uto farm: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for Ebeling: 3

Ebigbo, Njikoha M.

26 September 2000: Nigeria: Independence Layout: SMF: 1 [1 - **1** - **1**].

Total Specimens for Ebigbo, Njikoha M.: 1

Ebungbola, L.D.

Collection Date Unknown: Nigeria: Alabe: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Ebungbola, L.D.: 1

Eccles, D.J.

13 August 1961: Malawi: Monkey Bay: NMMB: 2 [2 - **2** - **2**].
8 August 1969: Djibouti: Mount Day: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Eccles, D.J.: 3

Ecklon

Collection Date Unknown: South Africa: Cape of Good Hope: ZMB: 1 [1] - Kaap provincie [=Cape province]: NMW: 1 [1 - **2** - **2**].

Total Specimens for Ecklon: 2

Edson, Franklin

23 July 1930: Congo (Democratic Republic of the): Mistandunga: AMNH: 2 [2 - **2** - **2**].
25 July 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
6 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
12 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
13 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
17 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
18 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
19 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 3 [3 - **3** - **3**].
28 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
29 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
31 August 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 1 [1 - **1** - **1**].
4 September 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 3 [3 - **3** - **3**].
14 September 1930: Congo (Democratic Republic of the): Lukolela: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Edson, Franklin: 19

Edwards, P.W.

Collection Date Unknown: Zambia: Kalichero: NHMZ: 2 [2 - **2** - **2**].

Total Specimens for Edwards, P.W.: 2

Edwards; *et al.*

Collection Date Unknown: Egypt: Suez, Isthmus: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Edwards; *et al.*: 1

Effeld

Collection Date Unknown: Egypt: Unknown locality: ZMB: 8 [8] - no specific locality: ZMB: 1 [1 - **9** - **9**].

Total Specimens for Effeld: 9

Eger, Judith L.

Collection Date Unknown: Kenya: Endoposei river: ROM: 1 [1 - **1** - **1**].
16 January 1974: Kenya: Endoposei river: ROM: 1 [1 - **1** - **1**].

Total Specimens for Eger, Judith L.: 2

Eger, Judith L.; Glen, Robert M.

1 January 1973: Kenya: Unknown locality: ROM: 4 [4 - **4** - **4**].
10 September 1973: Kenya: Kyamunyuu: ROM: 1 [1 - **1** - **1**].
4 October 1973: Kenya: Kalama: ROM: 1 [1 - **1** - **1**].
15 December 1973: Kenya: Kambu: ROM: 3 [3] - Kithimani area: ROM: 2 [2 - **5** - **5**].
16 December 1973: Kenya: Kivani: ROM: 2 [2 - **2** - **2**].
18 December 1973: Kenya: Kithimani area: ROM: 1 [1] - Mumandu Hill: ROM: 29 [29 - **30** - **30**].
20 December 1973: Kenya: Nyangala hill: ROM: 66 [66 - **66** - **66**].
27 December 1973: Kenya: Shell BM Camp: ROM: 10 [10 - **10** - **10**].
28 December 1973: Kenya: Kipini: ROM: 7 [7] - Kitoko River: ROM: 11 [11 - **18** - **18**].
29 December 1973: Kenya: Kitoko River: ROM: 1 [1 - **1** - **1**].
30 December 1973: Kenya: on Galole Road: ROM: 34 [34 - **34** - **34**].
31 December 1973: Kenya: Garsen, near: ROM: 1 [1] - Lake Bilisa: ROM: 18 [18] - on Galole Road: ROM: 11 [11 - **30** - **30**].
9 January 1974: Kenya: Kivani: ROM: 1 [1] - Machakos: ROM: 6 [6 - **7** - **7**].
15 January 1974: Kenya: Nguruman Escarpment: ROM: 45 [45 - **45** - **45**].
16 January 1974: Kenya: Base of Nguruman Escarpment, Endoposei River: ROM: 6 [6] - Endoposei river: ROM: 8 [8] - Nguruman Escarpment: ROM: 11 [11 - **25** - **25**].

Total Specimens for Eger, Judith L.; Glen, Robert M.: 279

Eggert

Collection Date Unknown: Tanzania: Bukoba: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Eggert: 1

Egwali, E.

19 January 1982: Nigeria: Zaria: HZM: 1 [1 - **1** - **1**].
21 February 1982: Nigeria: Zaria: HZM: 1 [1 - **1** - **1**].
14 March 1982: Nigeria: Samaru stream: HZM: 1 [1 - **1** - **1**].

Total Specimens for Egwali, E.: 3

Ehrenberg, Christian Gottfried
(1795 - 1876)

Collection Date Unknown: "Africa": Northeastern Africa: ZMB: 1 [1 - **1**].
Egypt: Unknown locality: ZMB: 1 [1 - **1** - **2**].

Total Specimens for Ehrenberg, Christian Gottfried: 2

Eidmann, H.

Collection Date Unknown: Equatorial Guinea: Bioko Island: ZMB: 1 [1 - **1** - **1**].

9 September 1939: Equatorial Guinea: Musola: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Eidmann, H.: 2

Eisentraut, Martin
(1902 - 1994)

Collection Date Unknown: Cameroon: above Buea, Larger I: ZFMK: 8 [8] - Above Mueli: ZFMK: 2 [2] - Bimbia: ZMB: 19 [19] - Buéa: ZMB: 5 [5] - Isobi, Larger VI: ZFMK: 17 [17] - Isongo [=Izongo]: ZMB: 19 [19] - Kupe: ZFMK: 2 [2] - Mubange [=Mobange-Isongo]: ZMB: 2 [2] - Mueli, Lager V: ZFMK: 11 [11] - Mukonje: ZMB: 13 [13] - near Lake Koto Barombi, Larger IV: ZFMK: 3 [3 - **101**].
Equatorial Guinea: Bioko Island: ZFMK: 1 [1] - San Carlos: ZFMK: 10 [10 - **11**].
Uganda: Ruwenzori East: BMNH: 5 [5 - **5** - **117**].
4 February 1938: Cameroon: Bimbia: ZMB: 4 [4 - **4** - **4**].
21 February 1938: Cameroon: Tombel: ZMB: 1 [1 - **1** - **1**].
3 March 1938: Cameroon: Mobange-Isongo: SMNS: 2 [2 - **2** - **2**].
9 March 1938: Cameroon: Mobange-Isongo: SMNS: 3 [3 - **3** - **3**].
29 April 1952: Cameroon: Buéa: ZFMK: 1 [1 - **1** - **1**].
29 April 1954: Cameroon: Buea: SMNS: 3 [3 - **3** - **3**].
8 December 1957: Cameroon: Malende Swamp area: SMNS: 1, ZFMK: 2 [3 - **3** - **3**].
10 December 1957: Cameroon: Malende Swamp area: ZFMK: 1 [1 - **1** - **1**].
1 January 1958: Cameroon: Kumba: USNM: 1 [1 - **1** - **1**].
5 January 1958: Cameroon: Camp III: ZFMK: 1 [1 - **1** - **1**].
6 January 1958: Cameroon: Buéa: ZFMK: 1 [1 - **1** - **1**].
7 January 1958: Cameroon: Camp III: ZFMK: 1 [1 - **1** - **1**].
6 February 1958: Cameroon: Mount Cameroon: USNM: 1 [1 - **1** - **1**].
9 February 1958: Cameroon: above Mueli: RBINS: 1 [1 - **1** - **1**].
10 February 1958: Cameroon: Camp V, Mueli: ZFMK: 1 [1 - **1** - **1**].
20 February 1958: Cameroon: Mueli, Lager V: ZFMK: 1 [1 - **1** - **1**].
23 February 1958: Cameroon: Kumba: USNM: 1 [1 - **1** - **1**].
11 March 1958: Cameroon: Isobi: RBINS: 1 [1 - **1** - **1**].
12 March 1958: Cameroon: Mount Cameroon: USNM: 1 [1 - **1** - **1**].
18 March 1958: Cameroon: Mount Cameroon: USNM: 1 [1 - **1** - **1**].
14 February 1960: Cameroon: Nyasoso: ZFMK: 1 [1 - **1** - **1**].
28 September 1962: Equatorial Guinea: San Carlos: ZFMK: 1 [1 - **1** - **1**].
30 November 1966: Cameroon: Buéa: BMNH: 1 [1] - Camp II: ZFMK: 1 [1 - **2** - **2**].
30 January 1967: Cameroon: Camp IV: ZFMK: 1 [1 - **1** - **1**].
31 January 1967: Cameroon: Camp IV: ZFMK: 1 [1 - **1** - **1**].
18 February 1967: Cameroon: Camp V: ZFMK: 1 [1 - **1** - **1**].
21 February 1967: Cameroon: Dikume: ZFMK: 1 [1 - **1** - **1**].
23 February 1967: Cameroon: Camp V: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Eisentraut, Martin: 156

Ejotre, Imran

8 January 2015: South Sudan: Kombi stream, behind Reeder compound: USNM: 6 [6 - **6** - **6**].
9 January 2015: South Sudan: Kangapo One Payam: USNM: 9 [9 - **9** - **9**].
10 January 2015: South Sudan: Kangapo Two Payam: USNM: 19 [19 - **19** - **19**].
11 January 2015: South Sudan: Lorini stream: USNM: 3 [3 - **3** - **3**].
12 January 2015: South Sudan: Kijiri Village: USNM: 8 [8 - **8** - **8**].
13 January 2015: South Sudan: Kombi stream, behind Reeder compound: USNM: 4 [4 - **4** - **4**].

Total Specimens for Ejotre, Imran: 49

El Rayah, M.A.

Collection Date Unknown: Sudan: Unknown locality: ROM: 1 [1 - **1** - **1**].
2 May 1918: South Sudan: Bor: ROM: 1 [1 - **1** - **1**].
19 February 1923: South Sudan: Mongalla: ROM: 2 [2 - **2** - **2**].
12 March 1923: South Sudan: Mongalla: ROM: 1 [1 - **1** - **1**].
6 December 1923: Sudan: Wad Medani: ROM: 2 [2 - **2** - **2**].
6 May 1924: Sudan: Khartoum: ROM: 1 [1 - **1** - **1**].
28 May 1925: Sudan: Khartoum: ROM: 1 [1] - Khartoum state: ROM: 1 [1 - **2** - **2**].
2 December 1925: South Sudan: Sobat River: ROM: 1 [1 - **1** - **1**].
6 October 1926: Sudan: Kassala: ROM: 1 [1 - **1** - **1**].
9 October 1926: Sudan: Kassala: ROM: 1 [1 - **1** - **1**].
4 February 1927: Sudan: Talodi: ROM: 1 [1 - **1** - **1**].
12 July 1927: Sudan: Delami: ROM: 1 [1 - **1** - **1**].
4 August 1931: Sudan: Fung: ROM: 1 [1 - **1** - **1**].
12 October 1938: Sudan: Wad Medani: ROM: 1 [1 - **1** - **1**].
18 August 1940: Sudan: Barakat: ROM: 1 [1 - **1** - **1**].
14 August 1941: Sudan: Wad Medani: ROM: 1 [1 - **1** - **1**].
9 May 1942: Sudan: Wad Medani: ROM: 1 [1 - **1** - **1**].
20 November 1950: Sudan: Dongola: ROM: 1 [1] - Old Dongola: ROM: 3 [3 - **4** - **4**].

4 March 1951: Sudan: Sherkeila: ROM: 1 [1 - **1** - **1**].
4 July 1955: Sudan: Khartoum: ROM: 1 [1 - **1** - **1**].
27 July 1959: Sudan: Khartoum: ROM: 1 [1 - **1** - **1**].
4 December 1971: Sudan: Nuba mountains: ROM: 2 [2 - **2** - **2**].
20 December 1971: Sudan: Nuba mountains: ROM: 18 [18 - **18** - **18**].
21 January 1975: Sudan: Dilling: ROM: 36 [36 - **36** - **36**].
13 June 1975: Sudan: Khartoum: ROM: 1 [1 - **1** - **1**].
13 June 1976: Sudan: Khartoum: ROM: 1 [1 - **1** - **1**].
7 May 1977: Sudan: Jebel Aulia: ROM: 1 [1 - **1** - **1**].
17 June 1977: Sudan: Omdurman: ROM: 95 [95 - **95** - **95**].
5 July 1977: Sudan: Jebel Aulia: ROM: 29 [29 - **29** - **29**].

Total Specimens for El Rayah, M.A.: 210

El Sayed

14 April 1964: Sudan: Zalingei: ROM: 1 [1 - **1** - **1**].

Total Specimens for El Sayed: 1

Elbl, A.

19 July 1962: Congo (Democratic Republic of the): Mugaba Cave: USNM: 2 [2 - **2** - **2**].
27 July 1962: Congo (Democratic Republic of the): Kakindo Cave: USNM: 1 [1 - **1** - **1**].
28 July 1962: Congo (Democratic Republic of the): Kakindo Cave: USNM: 1 [1 - **1** - **1**].
16 June 1966: Congo (Democratic Republic of the): Lwiro: USNM: 1 [1 - **1** - **1**].
3 November 1966: Congo (Democratic Republic of the): Sud Kivu province: USNM: 1 [1 - **1** - **1**].
4 November 1966: Congo (Democratic Republic of the): Lushala: USNM: 1 [1 - **1** - **1**].
23 April 1971: Rwanda: Butare INRS: RMCA: 3 [3 - **3** - **3**].
28 April 1971: Rwanda: Gitovu: RMCA: 1 [1 - **1** - **1**].
30 April 1971: Rwanda: Ratabo Kinazi Gitorams: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Elbl, A.: 12

Elder, William Hanna
(24 December 1913: Oak Park - 14 August 2006: Forest County)

Collection Date Unknown: Botswana: Kasane: ROM: 2 [2 - **2** - **2**].
10 May 1966: Botswana: Chobe NP, Kasane: ROM: 1 [1 - **1** - **1**].

Total Specimens for Elder, William Hanna: 3

Elgadi, Ahmed

Collection Date Unknown: Libya: Brak: NMP: 1 [1 - **1** - **1**].

Total Specimens for Elgadi, Ahmed: 1

Ellenberger, B.

1 January 1923: Zimbabwe: Selukwe: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Ellenberger, B.: 1

Ellis, W.

3 January 1960: Kenya: Songhor: HZM: 1 [1 - **1** - **1**].

Total Specimens for Ellis, W.: 1

Ellis, S.

Collection Date Unknown: South Africa: Madimbo Military area: TM: 9 [9 - **9** - **9**].
9 February 1978: South Africa: Madimbo Military area: TM: 1 [1 - **1** - **1**].

Total Specimens for Ellis, S.: 10

Emin Pascha / Pasha / Bey

Collection Date Unknown: "Africa": Engeremgere: ZMB: 2 [2] - Ukondjo: ZMB: 1 [1 - **3**].
Congo (Democratic Republic of the): Tingasi: BMNH: 1 [1 - **1**].
Tanzania: Bukoba: ZMB: 4 [4 - **4** - **8**].
20 February 1890: Tanzania: Bagamoyo: BMNH: 2 [2 - **2** - **2**].

15 January 1891: Uganda: Soweh Island: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Emin Pascha / Pasha / Bey: 11

Emin Pascha or Büttner

Collection Date Unknown: "Africa": Ukondjo: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Emin Pascha or Büttner: 1

Emmons, Louise H.

1 June 1970: Gabon: Bélinga: CUMV: 2 [2 - **2** - **2**].
1 July 1970: Gabon: Makokou: CUMV: 4 [4 - **4** - **4**].

Total Specimens for Emmons, Louise H.: 6

Endrödy-Younga, Sebastian
(1934: Budapest - 26 November 1999: Pretoria)

Collection Date Unknown: Congo: Meya: HNHM: 1 [1 - **1** - **1**].
15 December 1963: Congo: Brazzaville: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Endrödy-Younga, Sebastian: 2

Engel, H.C.

18 September 1938: South Africa: Lignite cave: ZMA: 2 [2 - **2** - **2**].
4 April 1961: South Africa: Satara Rustkamp: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Engel, H.C.: 4

Eory, M.

10 March 1972: Tanzania: Usa River: HNHM: 1 [1 - **1** - **1**].
10 March 1977: Tanzania: Usa River: HNHM: 1 [1 - **1** - **1**].
15 March 1977: Tanzania: Usa River: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Eory, M.: 3

Erasmus, B.H.

8 February 1983: South Africa: Dankbaar Windmill: MMK: 1 [1 - **1** - **1**].
25 November 1983: South Africa: Farm Leelykstraat 320: MMK: 3 [3 - **3** - **3**].
15 February 1984: South Africa: Farm Mimosa 454: MMK: 1 [1 - **1** - **1**].
8 December 1987: South Africa: Riemvasmaak: MMK: 2 [2 - **2** - **2**].
9 December 1987: South Africa: Riemvasmaak: MMK: 7 [7 - **7** - **7**].
14 December 1987: South Africa: Xhubuxnap: MMK: 4 [4 - **4** - **4**].
25 November 1988: South Africa: De Hoop Nature Reserve, De Hoop Guano Cave: TM: 10 [10 - **10** - **10**].

Total Specimens for Erasmus, B.H.: 28

Erasmus, E.

Collection Date Unknown: South Africa: Nongoma: TM: 2 [2 - **2** - **2**].

Total Specimens for Erasmus, E.: 2

Erasmus, G.

21 January 1988: South Africa: Kranskloof Nature Reserve: TM: 1 [1 - **1** - **1**].
27 January 1988: South Africa: Kranskloof Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Erasmus, G.: 2

Erasmus, R.

13 March 1989: South Africa: Gamkapoort Nature Reserve: SAMC: 1 [1 - **1** - **1**].

Total Specimens for Erasmus, R.: 1

Ermert, A.

1 May 1965: Burkina Faso: Nouna: SMF: 1 [1 - **1** - **1**].

Total Specimens for Ermert, A.: 1

Ernest, A.

1 May 1965: Burkina Faso: Nouna: SMF: 2 [2 - **2** - **2**].

Total Specimens for Ernest, A.: 2

Ernst, C.H.

Collection Date Unknown: "Africa": Unknown locality: NCSM: 1 [1 - **1** - **1**].

Total Specimens for Ernst, C.H.: 1

Ernst, D.

3 April 1976: Algeria: Tit: SMF: 1 [1 - **1** - **1**].

Total Specimens for Ernst, D.: 1

Escherich

Collection Date Unknown: Equatorial Guinea: Unknown locality: ZMB: 1 [1] - Attogondama: ZMB: 4 [4] - Beoken Noja [?=Noya river]: ZMB: 1 [1] - Ekododo: ZMB: 2 [2 - **8** - **8**].

Total Specimens for Escherich: 8

Espag, A.

22 March 1962: South Africa: Malelane Rangers Quarters: KNP: 2 [2 - **2** - **2**].
22 September 1965: South Africa: Xinkelengane Stream: KNP: 1 [1 - **1** - **1**].

Total Specimens for Espag, A.: 3

Espie, Ian W.

27 September 1935: "Africa": Unknown locality: KU: 1 [1 - **1** - **1**].
26 February 1976: South Africa: Farm Doornhoek: SMF: 1 [1 - **1** - **1**].
13 March 1976: South Africa: Doornhoek mine: TTU: 1 [1] - Farm Doornhoek: SMF: 1 [1 - **2** - **2**].
20 March 1976: "Africa": Unknown locality: KU: 1 [1 - **1** - **1**].
27 March 1976: South Africa: Doornhoek mine: KU: 2, TTU: 1 [3] - Farm Doornhoek: SMF: 1 [1 - **4** - **4**].
2 April 1976: South Africa: Umzumgwenya Nature Reserve: AMNH: 1, TTU: 1 [2 - **2** - **2**].
1 May 1976: "Africa": Unknown locality: KU: 3 [3 - **3** - **3**].
8 May 1976: "Africa": Unknown locality: KU: 1 [1 - **1** - **1**].
13 June 1976: "Africa": Unknown locality: KU: 2 [2 - **2** - **2**].
20 June 1976: "Africa": Unknown locality: KU: 1 [1 - **1** - **1**].
18 July 1976: "Africa": Unknown locality: KU: 1 [1 - **1** - **1**].
21 July 1976: "Africa": Unknown locality: KU: 1 [1 - **1** - **1**].
13 January 1982: South Africa: Fig Tree Forest: KNP: 3 [3 - **3** - **3**].
23 January 1982: South Africa: Levuvhu Hippopool: KNP: 1 [1 - **1** - **1**].
31 January 1982: South Africa: Anthrax camp: KNP: 1 [1 - **1** - **1**].
1 February 1982: South Africa: Anthrax camp: KNP: 2 [2] - Kwalala Police Post: KNP: 2 [2 - **4** - **4**].
2 February 1982: South Africa: Anthrax camp: KNP: 2 [2 - **2** - **2**].
3 February 1982: South Africa: Anthrax camp: KNP: 3 [3 - **3** - **3**].
4 February 1982: South Africa: Anthrax camp: KNP: 1 [1 - **1** - **1**].
5 February 1982: South Africa: Anthrax camp: KNP: 1 [1 - **1** - **1**].
6 February 1982: South Africa: Baobab Hill, 200 m S: KNP: 1 [1 - **1** - **1**].
7 February 1982: South Africa: Anthrax camp: KNP: 3 [3 - **3** - **3**].
15 March 1982: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].
21 April 1983: South Africa: Letaba Highwater Bridge: KNP: 3 [3 - **3** - **3**].

Total Specimens for Espie, Ian W.: 44

Espie, Ian W.; Braack, L.E.O.

21 April 1983: South Africa: Letaba Highwater Bridge: KNP: 2 [2 - **2** - **2**].
13 June 1983: South Africa: South Cave, 5 km East of Metsi Metsi Windmill, on N'Waswitsontso river: KNP: 1 [1 - **1** - **1**].
16 June 1983: South Africa: South Cave, 5 km East of Metsi Metsi Windmill, on N'Waswitsontso river: KNP: 3 [3 - **3** - **3**].
23 June 1983: South Africa: North Cave: KNP: 1 [1 - **1** - **1**].

Total Specimens for Espie, Ian W.; Braack, L.E.O.: 7

Estanove, Guy

7 June 1950: Senegal: Camp Leclerc: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Estanove, Guy: 1

Estebeth, M.

28 August 1989: South Africa: Sudwala Cave: TM: 1 [1 - **1** - **1**].
29 April 1990: South Africa: Sudwala Cave: TM: 1 [1 - **1** - **1**].

Total Specimens for Estebeth, M.: 2

Eton East African Research Committee, The; Neave, S.A.

9 February 1912: Malawi: Mlanje: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Eton East African Research Committee, The; Neave, S.A.: 1

Evans, G. Owen

22 August 1952: Uganda: Mahoma river, cave near: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Evans, G. Owen: 1

Ewer, R.F.

1 January 1958: South Africa: Grahamstown: ROM: 1 [1 - **1** - **1**].

Total Specimens for Ewer, R.F.: 1

Ewer, R.F.; Churcher, C.S.

1 November 1958: South Africa: Grahamstown: ROM: 1 [1 - **1** - **1**].

Total Specimens for Ewer, R.F.; Churcher, C.S.: 1

Expédition Atlantique Sud 1955, l'

6 March 1954: Congo (Democratic Republic of the): Kasenye, 10 km N: RBINS: 1 [1 - **1** - **1**].
29 September 1955: Congo (Democratic Republic of the): Banana: RBINS: 2 [2 - **2** - **2**].

Total Specimens for Expédition Atlantique Sud 1955, l': 3

Expédition au Lac Tumba (Congo Belge), l'

1 March 1945: Congo (Democratic Republic of the): Loondo Mugunga: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Expédition au Lac Tumba (Congo Belge), l': 1

Eyckerman

7 March 1981: Cameroon: Mount Cameroon: RMCA: 1 [1 - **1** - **1**].
9 March 1981: Cameroon: Buéa: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Eyckerman: 2

Faber

1 February 1960: Congo (Democratic Republic of the): Kasongo Baza: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Faber: 1

Fachlehrer, A. Horn

Collection Date Unknown: Tanzania: Kilossa, weitere Umgebuhg [=near Kilosa]: NMW: 1 [1 - **1** - **1**].

Total Specimens for Fachlehrer, A. Horn: 1

Faculte des Sciences - Univ. de Brazzaville (Dept. "Biologie Animale"),

13 March 1972: Congo: Dimonika: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Faculte des Sciences - Univ. de Brazzaville (Dept. "Biologie Animale"),: 1

Fagbami, Ademola Hezekiah

26 August 1971: Nigeria: Igbo-ora: USNM: 1 [1 - **1** - **1**].

Total Specimens for Fagbami, Ademola Hezekiah: 1

Fagbohunmi, Johnson

1 January 1968: Nigeria: Malamfatori: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Fagbohunmi, Johnson: 2

Fain, Alexandre

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 7 [7] - Irangi: BMNH: 1 [1] - Jiba Risasi: BMNH: 1 [1] - Kimuenza cave: RMCA: 1 [1] - Mahysha cave: RMCA: 1 [1] - Mount Wago: BMNH: 9, RMCA: 6 [15] - Né, mount: BMNH: 1 [1] - Saliboko: BMNH: 1 [1] - Wago: RMCA: 3 [3] - Wasa: RMCA: 1 [1] - Wasa Wago Forest: BMNH: 3 [3 - **35**].
Rwanda: Astrida: BMNH: 1, MHNG: 1, RMCA: 1 [3] - Butare: RMCA: 1 [1] - Nyumba cave: BMNH: 6 [6 - **10** - **45**].
1 April 1947: Congo (Democratic Republic of the): Thysville, cave: RMCA: 1 [1 - **1** - **1**].
1 January 1948: Rwanda: Astrida: RMCA: 4 [4 - **4** - **4**].
1 January 1950: Congo (Democratic Republic of the): Né, mount: RMCA: 1 [1 - **1** - **1**].
1 October 1950: Congo (Democratic Republic of the): Kawa: RMCA: 1 [1 - **1** - **1**].
1 December 1950: Congo (Democratic Republic of the): Mount Wago: RMCA: 7 [7 - **7** - **7**].
1 January 1951: Congo (Democratic Republic of the): Bunia: RMCA: 1 [1] - Kawa forest: RMCA: 1 [1] - Mount Wago: RMCA: 21 [21] - Wago: RMCA: 10 [10] - Wasa: RMCA: 1 [1 - **34** - **34**].
1 June 1951: Congo (Democratic Republic of the): Né, mount: RMCA: 1 [1 - **1** - **1**].
1 July 1951: Congo (Democratic Republic of the): Mount Wago: RMCA: 5 [5] - Wago: RMCA: 5 [5 - **10** - **10**].
30 July 1951: Congo (Democratic Republic of the): Kasenyi: RMCA: 1 [1 - **1** - **1**].
1 September 1951: Congo (Democratic Republic of the): Matupi Cave: RMCA: 2 [2] - Yolohotiri cave: RMCA: 1 [1 - **3** - **3**].
25 October 1951: Congo (Democratic Republic of the): Korovi, mount: RMCA: 4 [4 - **4** - **4**].
1 November 1951: Congo (Democratic Republic of the): Irumu: BMNH: 1, RMCA: 1 [2] - Wago: RMCA: 3 [3 - **5** - **5**].
7 November 1951: Congo (Democratic Republic of the): Wago: RMCA: 2 [2 - **2** - **2**].
25 November 1951: Congo (Democratic Republic of the): Korovi, mount: RMCA: 1 [1 - **1** - **1**].
1 January 1952: Burundi: Vumbi: RMCA: 4 [4 - **4**].
Congo (Democratic Republic of the): Djugu forest: RMCA: 1 [1 - **1** - **5**].
14 June 1952: Congo (Democratic Republic of the): Kawa: RMCA: 1 [1 - **1** - **1**].
1 July 1952: Congo (Democratic Republic of the): Mount Wago: RMCA: 5 [5 - **5** - **5**].
16 July 1952: Congo (Democratic Republic of the): Kawa: BMNH: 1, RMCA: 1 [2 - **2** - **2**].
17 July 1952: Congo (Democratic Republic of the): Kawa: BMNH: 1 [1 - **1** - **1**].
19 July 1952: Congo (Democratic Republic of the): Kawa: RMCA: 1 [1 - **1** - **1**].
24 July 1952: Congo (Democratic Republic of the): Kawa: RMCA: 3 [3 - **3** - **3**].
1 August 1952: Congo (Democratic Republic of the): Jiba: RMCA: 3 [3] - Jiba Trisasi: RMCA: 1 [1] - Mount Wago: BMNH: 1 [1] - Wasa: RMCA: 1 [1] - Wasa Wago Forest: RMCA: 1 [1 - **7** - **7**].
3 August 1952: Congo (Democratic Republic of the): Misu: RMCA: 3 [3] - Wasa: RMCA: 2 [2 - **5** - **5**].
5 August 1952: Congo (Democratic Republic of the): Kawa: BMNH: 1 [1] - Saliboko: RMCA: 1 [1 - **2** - **2**].
7 August 1952: Congo (Democratic Republic of the): Kawa: BMNH: 1 [1 - **1** - **1**].
28 August 1952: Congo (Democratic Republic of the): Wago: RMCA: 3 [3 - **3** - **3**].
29 August 1952: Congo (Democratic Republic of the): Né, mount: RMCA: 1 [1 - **1** - **1**].
30 August 1952: Congo (Democratic Republic of the): Né, mount: RMCA: 2 [2] - Wago: RMCA: 11 [11 - **13** - **13**].
13 September 1952: Congo (Democratic Republic of the): Mount Wago: RMCA: 10 [10] - Wago: RMCA: 2 [2 - **12** - **12**].
16 September 1952: Congo (Democratic Republic of the): Mount Wago: RMCA: 3 [3 - **3** - **3**].
17 September 1952: Congo (Democratic Republic of the): Mount Wago: RMCA: 1 [1] - Wago: RMCA: 1 [1 - **2** - **2**].
18 September 1952: Congo (Democratic Republic of the): Mount Wago: RMCA: 1 [1 - **1** - **1**].
21 September 1952: Congo (Democratic Republic of the): Mount Wago: RMCA: 1 [1] - Wago: RMCA: 1 [1 - **2** - **2**].
22 September 1952: Congo (Democratic Republic of the): Drodro: MHNG: 1 [1] - Saliboko: RMCA: 4 [4 - **5** - **5**].
23 September 1952: Congo (Democratic Republic of the): Mount Wago: RMCA: 1 [1 - **1** - **1**].
25 September 1952: Congo (Democratic Republic of the): Mont Ne: MHNG: 1 [1] - Né, mount: BMNH: 1, RMCA: 1 [2 - **3** - **3**].
1 January 1953: Rwanda: Astrida: RMCA: 1 [1 - **1** - **1**].
30 August 1953: Congo (Democratic Republic of the): Mount Wago: MHNG: 1 [1 - **1** - **1**].
1 January 1954: Rwanda: Astrida: RMCA: 7 [7] - Nyumba cave: MHNG: 2 [2] - Rwamagana, NE: MHNG: 1 [1 - **10** - **10**].
2 July 1954: Rwanda: Kiziguru: RMCA: 1 [1 - **1** - **1**].
29 July 1954: Rwanda: Astrida: MHNG: 1 [1 - **1** - **1**].
31 July 1954: Rwanda: Kiziguru: RMCA: 1 [1 - **1** - **1**].
2 August 1954: Rwanda: Kiziguru: MHNG: 1 [1 - **1** - **1**].
6 August 1954: Rwanda: Astrida: RMCA: 2 [2 - **2** - **2**].
7 August 1954: Rwanda: Astrida: RMCA: 3 [3 - **3** - **3**].
19 September 1954: Rwanda: Nyarutovu: MHNG: 1 [1 - **1** - **1**].
20 September 1954: Rwanda: Nyarutovu: MHNG: 1 [1 - **1** - **1**].
25 October 1954: Rwanda: Astrida: MHNG: 2, RMCA: 1 [3 - **3** - **3**].
26 October 1954: Rwanda: Astrida: RMCA: 3 [3 - **3** - **3**].
27 October 1954: Rwanda: Astrida: MHNG: 1 [1 - **1** - **1**].
28 October 1954: Rwanda: Astrida: RMCA: 4 [4 - **4** - **4**].
13 December 1954: Rwanda: Colline Musha: MHNG: 1 [1 - **1** - **1**].

1 January 1955: Rwanda: Rukara: RMCA: 5 [5 - **5** - **5**].
1 February 1955: Burundi: Rumonge: RMCA: 1 [1 - **1** - **1**].
1 April 1955: Rwanda: Nyakibanda: RMCA: 1 [1 - **1** - **1**].
1 May 1955: Rwanda: Astrida: MHNG: 2 [2] - Colline Musha: MHNG: 1 [1] - Musha: RMCA: 1 [1 - **4** - **4**].
18 May 1955: Rwanda: Nyarutovu: MHNG: 1, RMCA: 1 [2 - **2** - **2**].
10 August 1955: Rwanda: Nyarutovu: RMCA: 1 [1 - **1** - **1**].
27 August 1955: Rwanda: Rukara: RMCA: 5 [5 - **5** - **5**].
12 September 1955: Rwanda: Rukara: RMCA: 5 [5 - **5** - **5**].
13 September 1955: Rwanda: Rukara: RMCA: 4 [4 - **4** - **4**].
15 September 1955: Rwanda: Rukara: RMCA: 6 [6 - **6** - **6**].
16 September 1955: Rwanda: Rukara: RMCA: 7 [7 - **7** - **7**].
8 October 1955: Rwanda: Nyarutovu: RMCA: 1 [1 - **1** - **1**].
10 October 1955: Rwanda: Nyarutovu: RMCA: 1 [1 - **1** - **1**].
14 October 1955: Rwanda: Astrida: RMCA: 1 [1] - Nyakibanda: RMCA: 7 [7 - **8** - **8**].
15 October 1955: Rwanda: Nyakibanda: RMCA: 1 [1 - **1** - **1**].
17 October 1955: Rwanda: Musha: RMCA: 3 [3 - **3** - **3**].
1 November 1955: Congo (Democratic Republic of the): Irangi Forest: RMCA: 1 [1 - **1** - **1**].
14 November 1955: Rwanda: Musha: RMCA: 1 [1 - **1** - **1**].
19 November 1955: Rwanda: Bufundi: RMCA: 4 [4 - **4** - **4**].
21 November 1955: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1 - **1** - **1**].
29 November 1955: Congo (Democratic Republic of the): Unknown locality: RMCA: 2 [2 - **2** - **2**].
1 April 1956: Rwanda: Nyakibanda: RMCA: 2 [2 - **2** - **2**].
31 March 1961: Congo (Democratic Republic of the): Ganda-Sundi: RMCA: 1 [1 - **1** - **1**].
25 March 1964: Congo (Democratic Republic of the): Ganda-Sundi: RMCA: 2 [2 - **2** - **2**].
29 March 1964: Congo (Democratic Republic of the): Ganda-Sundi: RMCA: 1 [1 - **1** - **1**].
31 March 1964: Congo (Democratic Republic of the): Ganda-Sundi: RMCA: 15 [15 - **15** - **15**].

Total Specimens for Fain, Alexandre: 319

Fairall, N.; Pienaar, Uys de Villiers

5 October 1959: South Africa: Shingwedzi: KNP: 1 [1 - **1** - **1**].
12 August 1960: South Africa: Xitangeni Windmill: KNP: 1 [1 - **1** - **1**].

Total Specimens for Fairall, N.; Pienaar, Uys de Villiers: 2

Falkenstein

Collection Date Unknown: Angola: Chinchoxo: ZMB: 10 [10] - Pungo Andongo [Quibula, Cahata]: ZMB: 1 [1 - **11** - **11**].

Total Specimens for Falkenstein: 11

Farrell, T.P.

19 December 1965: South Africa: Walmer: HZM: 1 [1 - **1** - **1**].
19 December 1966: Zambia: Lusaka: HZM: 1 [1 - **1** - **1**].
24 December 1966: Zambia: Lusaka: HZM: 1 [1 - **1** - **1**].
2 January 1967: Zambia: Lusaka: HZM: 1 [1 - **1** - **1**].

Total Specimens for Farrell, T.P.: 4

Fatio, Victor
(1838 - 19 March 1906)

1 January 1860: Algeria: Ouargla: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Fatio, Victor: 1

Fea, Leonardo
(1852 - 1903)

Collection Date Unknown: Guinea-Bissau: Bolama: USNM: 1 [1 - **1** - **1**].
1 February 1899: Guinea-Bissau: Unknown locality: USNM: 2 [2] - Bissau: AMNH: 1 [1 - **3** - **3**].

Total Specimens for Fea, Leonardo: 4

Fedden, M.O.; MacLeod, H.L.

2 January 1984: Cameroon: Mount Cameroon, south side: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Fedden, M.O.; MacLeod, H.L.: 1

Feely, J.M.

28 May 1963: Zambia: Nsefu Game Camp: NHMZ: 2 [2 - **2** - **2**].

Total Specimens for Feely, J.M.: 2

Feiler, Alfred; Günther, R.

Collection Date Unknown: São Tomé and Principé: Praia das Conchas: ZMB: 6 [6 - **6** - **6**].

Total Specimens for Feiler, Alfred; Günther, R.: 6

Felten, Heinz

29 December 1949: "Africa": Unknown locality: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Felten, Heinz: 1

Felter, Pietro
(4 August 1856: Roe Volcano - 25 January 1915: Sabbio Chiese)

Collection Date Unknown: Ethiopia: Harrar: MSNG: 1 [1 - **1** - **1**].
1 August 1906: Eritrea: Assab: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Felter, Pietro: 2

Fenton, Melville Brock

5 March 1971: Ghana: Doyum: ROM: 1 [1 - **1** - **1**].
10 March 1971: Ghana: Doyum: ROM: 6 [6 - **6** - **6**].
10 June 1972: Zimbabwe: Humane Ranch: ROM: 3 [3 - **3** - **3**].
12 June 1972: Zimbabwe: Bikita: ROM: 1 [1 - **1** - **1**].
13 June 1972: Zimbabwe: Birchenough Bridge, 8 km E: ROM: 5 [5 - **5** - **5**].
6 September 1972: Zimbabwe: Humani Ranch: ROM: 9 [9 - **9** - **9**].
6 October 1972: Zimbabwe: Humani Ranch: ROM: 11 [11 - **11** - **11**].
8 October 1972: Zimbabwe: Humani Ranch: ROM: 4 [4 - **4** - **4**].
1 January 1974: Zimbabwe: Collins Farm: USNM: 1 [1] - Hostes Nicoll Research Institute: ROM: 1 [1 - **2** - **2**].
5 January 1974: Zimbabwe: Hostes Nicoll Research Institute: ROM: 4 [4] - Sengwa Wildlife Research Area: USNM: 2 [2 - **6** - **6**].
7 January 1974: Zimbabwe: Hostes Nicoll Research Institute: ROM: 1 [1 - **1** - **1**].
9 January 1974: Zimbabwe: Hostes Nicoll Research Institute: ROM: 1 [1] - Hostes Nicolle Institute: ROM: 1 [1 - **2** - **2**].
10 January 1974: Zimbabwe: Hostes Nicoll Research Institute: ROM: 2 [2] - Sengwa Wildlife Research Area: USNM: 3 [3 - **5** - **5**].
13 January 1974: Zimbabwe: Sengwa Wildlife Research Area: USNM: 1 [1 - **1** - **1**].
17 January 1974: Zimbabwe: Hostes Nicoll Research Institute: ROM: 1 [1 - **1** - **1**].
18 January 1974: Zimbabwe: Hostes Nicoll Research Institute: ROM: 3 [3 - **3** - **3**].
10 June 1977: Zimbabwe: Hostes Nicoll Research Institute: ROM: 2 [2] - Sengwa Wildlife Research Area: ROM: 1 [1 - **3** - **3**].
23 June 1978: Côte d'Ivoire: Lamto Ecology Station: ROM: 1 [1 - **1** - **1**].
26 June 1978: Côte d'Ivoire: Lamto Ecology Station: ROM: 1 [1 - **1** - **1**].
1 July 1978: Côte d'Ivoire: Lamto Ecology Station: ROM: 2 [2 - **2** - **2**].
6 July 1978: Côte d'Ivoire: Lamto Ecology Station: ROM: 1 [1 - **1** - **1**].
8 July 1978: Côte d'Ivoire: Lamto Ecology Station: ROM: 1 [1 - **1** - **1**].
11 July 1978: Côte d'Ivoire: Lamto Ecology Station: ROM: 1 [1 - **1** - **1**].
1 January 1982: Zimbabwe: Unknown locality: ROM: 1 [1] - Sengwe Wildlife Research Area: ROM: 1 [1 - **2** - **2**].
14 January 1982: Zimbabwe: Sengwe Wildlife Research Area: ROM: 2 [2 - **2** - **2**].
16 January 1982: Zimbabwe: Sengwe Wildlife Research Area: ROM: 1 [1 - **1** - **1**].
20 January 1982: Zimbabwe: Unknown locality: ROM: 1 [1] - Mana Pools-NP: ROM: 4 [4 - **5** - **5**].
23 January 1982: Zimbabwe: Chirisa Safari area: ROM: 1 [1 - **1** - **1**].
24 January 1982: Zimbabwe: Unknown locality: ROM: 1 [1] - Sengwe Wildlife Research Area: ROM: 1 [1 - **2** - **2**].
29 January 1982: Zimbabwe: Sengwe Wildlife Research Area: ROM: 3 [3 - **3** - **3**].
30 January 1982: Zimbabwe: Sengwe Wildlife Research Area: ROM: 3 [3 - **3** - **3**].
4 February 1982: Zimbabwe: Sengwe: ROM: 2 [2 - **2** - **2**].
10 February 1982: Zimbabwe: Sengwe Wildlife Research Area: ROM: 1 [1 - **1** - **1**].
11 February 1982: Zimbabwe: Sengwe Wildlife Research Area: ROM: 4 [4 - **4** - **4**].
20 February 1982: Zimbabwe: Mana Pools-NP: ROM: 1 [1 - **1** - **1**].

Total Specimens for Fenton, Melville Brock: 98

Fenton, Melville Brock, *et al.*

17 October 1979: Zimbabwe: Hostes Nicoll Research Institute: ROM: 3 [3 - **3** - **3**].
18 October 1979: Zimbabwe: Hostes Nicolle Institute: ROM: 2 [2 - **2** - **2**].
24 October 1979: Zimbabwe: Hostes Nicoll Research Institute: ROM: 1 [1 - **1** - **1**].
27 October 1979: Zimbabwe: Hostes Nicoll Research Institute: ROM: 1 [1 - **1** - **1**].
31 October 1979: Zimbabwe: Mana Pools-NP: ROM: 1 [1 - **1** - **1**].
4 November 1979: Zimbabwe: Hostes Nicoll Research Institute: ROM: 2 [2 - **2** - **2**].

Total Specimens for Fenton, Melville Brock, *et al.*: 10

Fenton, Melville Brock; Coutts

5 January 1974: Zimbabwe: Hostes Nicolle Institute of Wildlife Research: ROM: 1 [1 - **1** - **1**].
7 January 1974: Zimbabwe: Hostes Nicoll Research Institute: ROM: 1 [1 - **1** - **1**].
8 January 1974: Zimbabwe: Hostes Nicoll Research Institute: ROM: 1 [1] - Hostes Nicolle Institute of Wildlife Research: ROM: 1 [1 - **2** - **2**].
13 January 1974: Zimbabwe: Hostes Nicolle Institute of Wildlife Research: ROM: 1 [1 - **1** - **1**].
14 January 1974: Zimbabwe: Hostes Nicolle Institute of Wildlife Research: ROM: 1 [1 - **1** - **1**].
15 January 1974: Zimbabwe: Hostes Nicolle Institute of Wildlife Research: ROM: 1 [1 - **1** - **1**].
17 January 1974: Zimbabwe: Hostes Nicoll Research Institute: ROM: 5 [5 - **5** - **5**].
19 January 1974: Zimbabwe: Hostes Nicoll Research Institute: ROM: 1 [1 - **1** - **1**].

Total Specimens for Fenton, Melville Brock; Coutts: 13

Fenton, Melville Brock; Oxley, D.J.

1 January 1976: Zimbabwe: Hostes Nicoll Research Institute: ROM: 1 [1 - **1** - **1**].

Total Specimens for Fenton, Melville Brock; Oxley, D.J.: 1

Fenton, Melville Brock; Taylor, M.E.

Collection Date Unknown: Ghana: Damango, near: ROM: 1 [1] - Doyum: ROM: 2 [2 - **3** - **3**].
27 February 1971: Ghana: Kade Agricultural Research Station: ROM: 2 [2 - **2** - **2**].
28 February 1971: Ghana: Kade Agricultural Research Station: ROM: 14 [14 - **14** - **14**].
1 March 1971: Ghana: Kade Agricultural Research Station: ROM: 11 [11 - **11** - **11**].
4 March 1971: Ghana: Doyum: ROM: 2 [2 - **2** - **2**].
5 March 1971: Ghana: Doyum: ROM: 14 [14] - Magazine, hill top near: ROM: 1 [1 - **15** - **15**].
6 March 1971: Ghana: Damango, near: ROM: 4 [4 - **4** - **4**].
7 March 1971: Ghana: Damango, near: ROM: 4 [4 - **4** - **4**].
8 March 1971: Ghana: Damango, near: ROM: 4 [4 - **4** - **4**].
9 March 1971: Ghana: Damango, near: ROM: 2 [2] - Magazine: ROM: 1 [1 - **3** - **3**].
10 March 1971: Ghana: Doyum: ROM: 24 [24 - **24** - **24**].
11 March 1971: Ghana: Boti Falls: ROM: 7 [7 - **7** - **7**].
12 March 1971: Ghana: Boti Falls: ROM: 2 [2 - **2** - **2**].
13 March 1971: Ghana: Boti Falls: ROM: 2 [2 - **2** - **2**].
14 March 1971: Ghana: Boti Falls: ROM: 5 [5 - **5** - **5**].
28 December 1971: Ghana: Kade Agricultural Research Station: ROM: 1 [1 - **1** - **1**].

Total Specimens for Fenton, Melville Brock; Taylor, M.E.: 103

Ferencz, Károly

Collection Date Unknown: Guinea: Unknown locality: HNHM: 1 [1 - **1** - **1**].
26 July 1966: Guinea: cave, Guinee-Maritime: HNHM: 1 [1 - **1** - **1**].
22 May 1967: Guinea: Guinee-Maritime: HNHM: 2 [2 - **2** - **2**].
22 August 1967: Guinea: Guinee-Maritime: HNHM: 1 [1 - **1** - **1**].
4 September 1967: Guinea: cave, Guinee-Maritime: HNHM: 1 [1 - **1** - **1**].
10 January 1968: Guinea: Guinee-Maritime: HNHM: 1 [1 - **1** - **1**].
17 February 1968: Guinea: Hotel de la Gar: HNHM: 1 [1 - **1** - **1**].
6 April 1968: Guinea: Guinee-Maritime: HNHM: 1 [1 - **1** - **1**].
18 December 1968: Guinea: cave, Guinee-Maritime: HNHM: 1 [1] - Guinee-Maritime: HNHM: 1 [1 - **2** - **2**].
15 May 1969: Guinea: cave, Guinee-Maritime: HNHM: 1 [1 - **1** - **1**].
17 March 1970: Guinea: Conakry [= Konakry, Konakri]: HNHM: 1 [1 - **1** - **1**].
30 March 1970: Guinea: Conakry [= Konakry, Konakri]: HNHM: 1 [1 - **1** - **1**].
1 April 1970: Guinea: Guinee-Maritime: HNHM: 1 [1 - **1** - **1**].
5 April 1970: Guinea: Guinee-Maritime: HNHM: 1 [1 - **1** - **1**].
22 April 1970: Guinea: Kallendu: HNHM: 1 [1 - **1** - **1**].
24 April 1970: Guinea: Foutadjalon Mt, Kallendu,cave: HNHM: 1 [1 - **1** - **1**].
24 May 1970: Guinea: Foutadjalon Mt, Kallendu,cave: HNHM: 4 [4 - **4** - **4**].
9 June 1970: Guinea: Kallendu: HNHM: 1 [1 - **1** - **1**].
20 December 1972: Guinea: Guinee-Maritime: HNHM: 1 [1 - **1** - **1**].
24 March 1973: Guinea: Guinee-Maritime: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Ferencz, Károly: 25

Fernsby, Nigel

Collection Date Unknown: South Africa: Pretoria Zoological Gardens, near: TM: 2 [2] - Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ: TM: 1 [1 - **3** - **3**].
18 May 1998: South Africa: Magoeskloof: TM: 1 [1 - **1** - **1**].
1 June 1998: South Africa: Ngwenya Lodge: TM: 3 [3 - **3** - **3**].
29 January 2000: South Africa: Makatini Research Village Pongola River: DNSM: 1 [1 - **1** - **1**].
12 March 2001: South Africa: Mooketsi: TM: 2 [2 - **2** - **2**].

16 August 2001: South Africa: Balule Private Nature Reserve, Oliphants River: TM: 1 [1 - **1** - **1**].
11 April 2002: South Africa: Levuvhu: TM: 1 [1 - **1** - **1**].
7 May 2002: South Africa: Hennops River: TM: 1 [1 - **1** - **1**].
22 April 2004: South Africa: Farm Kunkuru: TM: 1 [1 - **1** - **1**].
18 December 2004: South Africa: Hennops River: TM: 1 [1 - **1** - **1**].

Total Specimens for Fernsby, Nigel: 15

Fernsby, Nigel; Cohen, Lientjie; de Wet, Koos; Peinke, Dean M.

16 April 2004: South Africa: Farm Waterval: TM: 2 [2 - **2** - **2**].
17 April 2004: South Africa: Farm Victoriaspoort 18IT, Kalkoenkrans Cave: TM: 1 [1] - Farm Waterval: TM: 2 [2] - Farm Waterval, Third Mine Tunnel: TM: 1 [1 - **4** - **4**].

Total Specimens for Fernsby, Nigel; Cohen, Lientjie; de Wet, Koos; Peinke, Dean M.: 6

Fernsby, Nigel; Peinke, Dean M.; Peinke, Sacha

Collection Date Unknown: South Africa: Feather River: TM: 1 [1 - **1** - **1**].

Total Specimens for Fernsby, Nigel; Peinke, Dean M.; Peinke, Sacha: 1

Ferrow, D.

4 January 1962: Kenya: Limuru, near: LACM: 5 [5 - **5** - **5**].

Total Specimens for Ferrow, D.: 5

Fiasse, R.

15 January 1919: Congo (Democratic Republic of the): Léopoldville: RMCA: 2 [2 - **2** - **2**].
30 September 1941: Congo (Democratic Republic of the): Léopoldville: RMCA: 2 [2 - **2** - **2**].
1 January 1942: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
1 February 1942: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
1 March 1942: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
1 November 1942: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
12 November 1942: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
8 June 1943: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Fiasse, R.: 10

Field, Henry

1 December 1947: Egypt: Kom O Shim: FMNH: 3 [3 - **3** - **3**].

Total Specimens for Field, Henry: 3

Finsch, Friedrich Hermann Otto
(8 October 1839: Warmbrunn - 31 January 1917)

Collection Date Unknown: Ghana: Gold Coast [=Goldküste]: ZMB: 1 [1 - **1**].
Guinea: Unknown locality: ZMB: 1 [1 - **1** - **2**].

Total Specimens for Finsch, Friedrich Hermann Otto: 2

Fiqueiredo, B.J.V.

9 September 1966: Kenya: Voi: ROM: 1 [1 - **1** - **1**].

Total Specimens for Fiqueiredo, B.J.V.: 1

Fischer

Collection Date Unknown: "Africa": Maldachi: ZMB: 1 [1] - Tschaka: ZMB: 1 [1 - **2**].
Kenya: Kau [Osi river]: ZMB: 1 [1 - **1**].
Tanzania: Bagamoyo: ZMB: 12 [12] - Malindi: ZMB: 4 [4] - Zanzibar: ZMB: 1 [1 - **17** - **20**].
1 January 1889: Kenya: Masailand: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Fischer: 21

Fischer, H.

Collection Date Unknown: Ghana: Archimota: MVZ: 3 [3 - **3** - **3**].
1 January 1968: Ghana: Achimota: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Fischer, H.: 4

Fischer, R.V.

Collection Date Unknown: Ghana: Han, ca 25 mi SE: USNM: 4 [4 - **4** - **4**].

Total Specimens for Fischer, R.V.: 4

Fisher

Collection Date Unknown: Congo (Democratic Republic of the): Kasaji: RMCA: 1 [1] - Kasaji Malonga: RMCA: 1 [1 - **2** - **2**].
13 March 1953: Congo (Democratic Republic of the): Kasaji: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Fisher: 4

Fisher, W.S.

Collection Date Unknown: Congo (Democratic Republic of the): Kasaji: CM: 1 [1 - **1** - **1**].

Total Specimens for Fisher, W.S.: 1

Fleetwood, J.D.L.

1 August 1958: Kenya: Karura Forest: HZM: 1 [1 - **1** - **1**].
19 August 1958: Kenya: Kakamega: HZM: 1 [1 - **1** - **1**].

Total Specimens for Fleetwood, J.D.L.: 2

Flemming, G.

11 March 1899: Madagascar: Tamatave: USNM: 1 [1 - **1** - **1**].

Total Specimens for Flemming, G.: 1

Fliegner

Collection Date Unknown: Tanzania: Singida: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Fliegner: 2

Floericke, Kurt
(23 March 1869: Zeitz - 29 October 1934: Stuttgart)

Collection Date Unknown: Morocco: Tanger: ZMB: 1 [1] - Tangiers: ZMB: 2 [2 - **3** - **3**].

Total Specimens for Floericke, Kurt: 3

Flower, Stanley Smyth
(1 August 1871: London - 3 February 1946: Tring)

Collection Date Unknown: Sudan: Jebel Maba: BMNH: 2 [2 - **2** - **2**].
27 February 1903: Egypt: Abu Roash: BMNH: 2 [2 - **2** - **2**].
31 March 1903: Egypt: Abu Roash: BMNH: 4 [4 - **4** - **4**].
29 August 1910: Egypt: Gizeh: BMNH: 1 [1 - **1** - **1**].
22 March 1922: Egypt: Gîza: BMNH: 1 [1 - **1** - **1**].
28 March 1922: Egypt: Gîza: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Flower, Stanley Smyth: 11

Flower, Stanley Smyth; Giza Zoological Museum, The

2 October 1923: Egypt: Seila: BMNH: 8 [8 - **8** - **8**].

Total Specimens for Flower, Stanley Smyth; Giza Zoological Museum, The: 8

Fly, R.

14 April 1996: South Africa: Nottingham Road: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Fly, R.: 1

Foa, L.

1 June 1889: Cape Verde: Fogo isalnd: USNM: 1 [1 - **1** - **1**].

Total Specimens for Foa, L.: 1

Fock

Collection Date Unknown: Namibia: Nuitsas Farm: ZMH: 1 [1] - Okahandja: ZMH: 1 [1 - **2** - **2**].

Total Specimens for Fock: 2

Fogle, F.L.

1 July 1940: Chad: Fort Archambault: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Fogle, F.L.: 2

Foley, Henry

1 January 1934: Algeria: Djanet: MNHN: 3 [3 - **3** - **3**].

Total Specimens for Foley, Henry: 3

For, M.

Collection Date Unknown: "Africa": Great lakes area, East Africa: MNHN: 1 [1 - **1** - **1**].

Total Specimens for For, M.: 1

Forbes, D.

29 July 2000: South Africa: Hlabeni Forest Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Forbes, D.: 1

Forbes-Watson, A.D.

18 July 1965: Kenya: Sokoke Forest: USNM: 2 [2 - **2** - **2**].
19 July 1965: Kenya: Sokoke Forest: USNM: 2 [2 - **2** - **2**].
21 July 1965: Kenya: Sokoke Forest: USNM: 1 [1 - **1** - **1**].
22 July 1965: Kenya: Sokoke Forest: USNM: 1 [1 - **1** - **1**].
24 July 1965: Kenya: Sokoke Forest: USNM: 1 [1 - **1** - **1**].
27 July 1965: Kenya: Sokoke Forest: USNM: 1 [1 - **1** - **1**].
21 August 1965: Kenya: Ngaugao Forest: USNM: 1 [1 - **1** - **1**].
12 September 1965: Kenya: Nanyuki: USNM: 1 [1 - **1** - **1**].
19 September 1965: Kenya: Sokoke Forest: USNM: 2 [2 - **2** - **2**].
20 September 1965: Kenya: Njerowa Gorge: USNM: 1 [1 - **1** - **1**].
21 September 1965: Kenya: Njerowa Gorge: USNM: 1 [1 - **1** - **1**].
24 January 1966: Kenya: Kalifi: USNM: 4 [4 - **4** - **4**].
13 August 1966: Kenya: Central island: NMK: 1 [1 - **1** - **1**].

Total Specimens for Forbes-Watson, A.D.: 19

Forchhammer, Per

4 October 1988: Botswana: Serowe, sewage ponds: WAM: 2 [2] - Serowe, village 2 km from: WAM: 1 [1 - **3** - **3**].

Total Specimens for Forchhammer, Per: 3

Ford

28 August 1978: Nigeria: Maiduguri: HZM: 1 [1 - **1** - **1**].

Total Specimens for Ford: 1

Ford, A.

1 January 1979: Nigeria: Kilboa, 20 mi W: HZM: 2 [2 - **2** - **2**].

Total Specimens for Ford, A.: 2

Ford, E.A.

1 January 1912: Gabon: Ogowe: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Ford, E.A.: 1

Formenty, Pierre

6 December 1997: Côte d'Ivoire: Parc National de Tai: ZMA: 1 [1 - **1** - **1**].
7 December 1997: Côte d'Ivoire: Parc National de Tai: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Formenty, Pierre: 2

Forster

Collection Date Unknown: "Africa": Ternata: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Forster: 1

Foster, B.

Collection Date Unknown: Kenya: Unknown locality: ROM: 1 [1 - **1** - **1**].

Total Specimens for Foster, B.: 1

Foster, C.A.

17 July 1949: Mozambique: Inhaca Island: FMNH: 19 [19 - **19** - **19**].

Total Specimens for Foster, C.A.: 19

Foster, J.B.

Collection Date Unknown: Kenya: Central island: ROM: 19 [19] - Mombasa, 6.4 km S: ROM: 1 [1] - Mombasa, 8 km S: ROM: 1 [1] - Mombasa, S of: ROM: 1 [1 - **22** - **22**].
15 December 1963: Kenya: Shimoni: ROM: 1 [1 - **1** - **1**].
20 December 1963: Kenya: Shimoni: ROM: 1 [1 - **1** - **1**].
2 February 1964: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].
7 May 1964: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].
30 May 1964: Kenya: Voi: ROM: 1 [1 - **1** - **1**].
18 July 1964: Kenya: Amboseli Game Reserve: ROM: 1 [1 - **1** - **1**].
19 July 1964: Kenya: Kaijido district: ROM: 1 [1 - **1** - **1**].
17 August 1964: Kenya: Tsavo East-NP, Rhino Corner: ROM: 1 [1 - **1** - **1**].
18 August 1964: Kenya: Amboseli: ROM: 1 [1 - **1** - **1**].
28 August 1964: Kenya: Diani: ROM: 1 [1 - **1** - **1**].
1 September 1964: Kenya: Mombasa, 12.8 km S: ROM: 1 [1] - Mombasa, 13 km S: ROM: 1 [1] - Mombasa, 8 km S: ROM: 3 [3] - Mombasa, 8 mi S: ROM: 3 [3] - Waa: ROM: 1 [1 - **9** - **9**].
7 September 1964: Kenya: Waa: ROM: 1 [1 - **1** - **1**].
14 September 1964: Kenya: Mombasa, 6.4 km S: ROM: 2 [2 - **2** - **2**].
19 October 1964: Kenya: Mombasa: ROM: 3 [3 - **3** - **3**].
26 October 1964: Kenya: Mombasa: ROM: 1 [1 - **1** - **1**].
1 May 1965: Uganda: Karamoja: ROM: 2 [2 - **2** - **2**].
7 May 1965: Kenya: Lukemia Hill: ROM: 1 [1 - **1** - **1**].
10 May 1965: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].
27 May 1965: Kenya: Hunter's Lodge, near: ROM: 2 [2 - **2** - **2**].
29 May 1965: Kenya: Tsavo East-NP, Mudanda Rock Crevices: ROM: 1 [1 - **1** - **1**].
3 June 1965: Kenya: Tsavo East-NP, Mudanda Rock Crevices: ROM: 1 [1 - **1** - **1**].
28 August 1965: Kenya: Watamu: ROM: 1 [1 - **1** - **1**].
29 August 1965: Kenya: Gome Maria Caves: ROM: 2 [2 - **2** - **2**].
31 August 1965: Kenya: Watamu Beach: ROM: 1 [1 - **1** - **1**].
1 September 1965: Kenya: Central island: ROM: 9 [9] - Watamu Beach: ROM: 1 [1 - **10** - **10**].
25 September 1965: Kenya: Shimba Hills: ROM: 1 [1 - **1** - **1**].
1 October 1965: Kenya: Central island: ROM: 3 [3] - Tsavo East-NP, Rhino Corner: ROM: 1 [1 - **4** - **4**].
7 October 1965: Kenya: Shimba Hills: ROM: 1 [1 - **1** - **1**].
11 November 1965: Kenya: Muumandu: ROM: 1 [1 - **1** - **1**].
18 November 1965: Kenya: Muumandu: ROM: 1 [1 - **1** - **1**].
21 November 1965: Kenya: Shimba Hills: ROM: 5 [5 - **5** - **5**].
3 March 1966: Kenya: Central island: NMK: 2, ROM: 1 [3 - **3** - **3**].
5 September 1966: Kenya: Tsavo East-NP, Mudanda Rock Crevices: ROM: 1 [1 - **1** - **1**].
7 September 1966: Kenya: Voi: ROM: 1 [1 - **1** - **1**].
10 September 1966: Kenya: Mombasa, 12.8 km S: ROM: 1 [1 - **1** - **1**].
17 November 1966: Kenya: Shimba Hills: ROM: 1 [1 - **1** - **1**].
6 December 1966: Kenya: Shimba Hills: ROM: 2 [2 - **2** - **2**].
17 March 1967: Kenya: Karura Forest: ROM: 1 [1 - **1** - **1**].
20 March 1967: Kenya: Karura Forest: ROM: 2 [2 - **2** - **2**].

Total Specimens for Foster, J.B.: 95

Foster, J.B.; Bateman, R.M.

27 November 1957: Uganda: Toro: ROM: 1 [1 - **1** - **1**].
30 November 1957: Uganda: Entebbe: ROM: 2 [2 - **2** - **2**].
1 December 1957: Uganda: Entebbe: ROM: 1 [1 - **1** - **1**].
4 December 1957: Kenya: Rumuruti: ROM: 2 [2 - **2** - **2**].
7 December 1957: Kenya: Nairobi: ROM: 3 [3 - **3** - **3**].
18 December 1957: Tanzania: Manyara, Lake: ROM: 4 [4 - **4** - **4**].
20 December 1957: Tanzania: Manyara, Lake: ROM: 1 [1 - **1** - **1**].

Total Specimens for Foster, J.B.; Bateman, R.M.: 14

Fourche

1 January 1930: Congo (Democratic Republic of the): Kataye Sukunga: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Fourche: 1

Fowler, J.P.

Collection Date Unknown: Kenya: Rongai: HZM: 1 [1 - **1** - **1**].
31 August 1954: Kenya: Nairobi: USNM: 1 [1 - **1** - **1**].
1 December 1954: Kenya: Vasco de Gama Point: HZM: 1 [1 - **1** - **1**].
18 December 1954: Kenya: Malindi: USNM: 1 [1 - **1** - **1**].
6 July 1955: Kenya: Hoey's bridge: HZM: 1 [1 - **1** - **1**].

Total Specimens for Fowler, J.P.: 5

Fox, G.J.

Collection Date Unknown: Nigeria: Kabwir: BMNH: 1 [1] - Panyam [Fish Farm]: BMNH: 1 [1 - **2** - **2**].
15 May 1910: Nigeria: Kabir: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Fox, G.J.: 3

Fox, J.C.

14 November 1912: Nigeria: Kabwir: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Fox, J.C.: 1

Fraas; Mangold

4 June 1998: Egypt: Denderah [=Dandarah]: SMNS: 3 [3 - **3** - **3**].

Total Specimens for Fraas; Mangold: 3

Frade, F.

3 January 1945: Guinea-Bissau: Ponta de Marques Mano: CZL: 1 [1 - **1** - **1**].
27 December 1945: Guinea-Bissau: Mansoa: CZL: 1 [1 - **1** - **1**].

Total Specimens for Frade, F.: 2

Francis

16 June 1974: Zambia: Lusaka: HZM: 1 [1 - **1** - **1**].

Total Specimens for Francis: 1

Francis, A.C.

Collection Date Unknown: Nigeria: Zaria province: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Francis, A.C.: 1

Francis, David M.

6 June 1974: Zambia: Lusaka, 7 km W: MSB: 1 [1 - **1** - **1**].

Total Specimens for Francis, David M.: 1

Frank

Collection Date Unknown: Comoros: Unknown locality: RMNH: 1 [1] - Anjouan Island: BMNH: 2, RMNH: 2, ZMB: 1 [5] - Johanna Island [=Anjouan Island]: ZMB: 1 [1 - **7**].
Libya: Tripoli: RBINS: 1 [1 - **1** - **8**].

Total Specimens for Frank: 8

Frannin, G.G.

1 September 1939: South Africa: Hilgobbin Dargler: TM: 1 [1 - **1** - **1**].

Total Specimens for Frannin, G.G.: 1

Franquet

Collection Date Unknown: Gabon: "Gabon": MNHN: 1 [1 - **1** - **1**].

Total Specimens for Franquet: 1

Frans

5 March 1915: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
11 March 1915: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].

Total Specimens for Frans: 2

Fraser, D.

Collection Date Unknown: Congo (Democratic Republic of the): Lukoi River: BMNH: 1 [1 - **1** - **1**].
26 August 1926: Congo (Democratic Republic of the): Keri river: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Fraser, D.: 2

Fratcher, B.

4 August 1979: South Africa: Matlapitsi Caves: ZMA: 10 [10 - **10** - **10**].

Total Specimens for Fratcher, B.: 10

Frazier, Jack G.

7 June 1968: Seychelles: Aldabra Settlement: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Frazier, Jack G.: 1

Frechkop, Serge
(1894: Moscow - 1 december 1967)

14 January 1938: Rwanda: Gabiro: RMCA: 2 [2 - **2** - **2**].
16 January 1938: Rwanda: Gabiro: RMCA: 2 [2 - **2** - **2**].
1 March 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
31 March 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
30 April 1938: Congo (Democratic Republic of the): Rutshuru: RBINS: 1 [1 - **1** - **1**].
7 May 1938: Congo (Democratic Republic of the): Kyniamahura: RBINS: 2 [2 - **2** - **2**].
8 May 1938: Congo (Democratic Republic of the): Kinyamahura: RMCA: 2 [2 - **2** - **2**].
29 May 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
31 May 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
10 June 1938: Rwanda: Katjumbura: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Frechkop, Serge: 14

Freeman, R.A.

Collection Date Unknown: Ghana: Gold Coast [=Goldküste]: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Freeman, R.A.: 3

Frere, Bartle

Collection Date Unknown: South Africa: Cape Division: SAMC: 1 [1 - **1** - **1**].

Total Specimens for Frere, Bartle: 1

Freyer

Collection Date Unknown: "Africa": Dume: ZMB: 1 [1 - **1**].
Cameroon: Akonolinga: ZMB: 1 [1 - **1** - **2**].

Total Specimens for Freyer: 2

Frichmunn, H.

Collection Date Unknown: South Africa: Pietermaritzburg: USNM: 1 [1 - **1** - **1**].

Total Specimens for Frichmunn, H.: 1

Friedman, Ralph

29 November 1970: Uganda: Budongo Forest: AMNH: 11 [11 - **11** - **11**].
30 November 1970: Uganda: Budongo Forest: AMNH: 21 [21 - **21** - **21**].
1 December 1970: Uganda: Budongo Forest: AMNH: 45 [45 - **45** - **45**].

Total Specimens for Friedman, Ralph: 77

Friedman, Ralph; Williams, John George

18 November 1970: Kenya: Gibraltar island: AMNH: 3 [3 - **3** - **3**].
27 November 1970: Uganda: Fort Portal: AMNH: 1 [1 - **1** - **1**].
29 November 1970: Uganda: Budongo Forest: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Friedman, Ralph; Williams, John George: 5

Friedmann, Herbert
(22 April 1900: Brooklyn - 14 May 1987: Laguna Hills)

15 April 1925: Kenya: Taveta: MCZ: 2 [2 - **2** - **2**].
1 November 1950: South Africa: Maritzburg: USNM: 1 [1 - **1** - **1**].

Total Specimens for Friedmann, Herbert: 3

Fritsch

Collection Date Unknown: Egypt: Unknown locality: ZMB: 1 [1] - Kings graves near Deir al Bahari: ZMB: 1 [1 - **2** - **2**].

Total Specimens for Fritsch: 2

Fritsche

Collection Date Unknown: South Africa: Kuruman: ZMB: 3 [3 - **3** - **3**].

Total Specimens for Fritsche: 3

Fromm

Collection Date Unknown: Tanzania: Bismarckburg [=Kasanga]: ZMB: 1 [1] - Karema: ZMB: 1 [1] - Mwazye: ZMB: 1 [1] - Mwsamwilager: ZMB: 1 [1] - Namanjere [=Namanyere]: ZMB: 1 [1 - **5** - **5**].

Total Specimens for Fromm: 5

Frontier Tanzania collection, The

27 July 1993: Tanzania: Chole Island: SMF: 1 [1 - **1** - **1**].
30 July 1993: Tanzania: Litipo Forest Reserve: SMF: 1 [1 - **1** - **1**].
6 August 1993: Tanzania: Litipo Forest Reserve: SMF: 2 [2 - **2** - **2**].
12 August 1993: Tanzania: Litipo Forest Reserve: SMF: 1 [1 - **1** - **1**].
28 February 1996: Tanzania: Kambai Forest Reserve: SMF: 1 [1 - **1** - **1**].
13 March 1996: Tanzania: Semdoe Forest Reserve: SMF: 1 [1 - **1** - **1**].
2 August 1996: Tanzania: Matai Forest Reserve: SMF: 1 [1 - **1** - **1**].
22 October 1996: Tanzania: Kwamgumi Forest Reserve: SMF: 1 [1 - **1** - **1**].
27 July 1997: Tanzania: Manga Forest Reserve: SMF: 2 [2] - Tanga region: SMF: 1 [1 - **3** - **3**].
22 July 1998: Tanzania: Kilombero Valley: SMF: 1 [1 - **1** - **1**].
26 August 1998: Tanzania: Segoma Forest Reserve: SMF: 1 [1 - **1** - **1**].
26 October 1998: Tanzania: Kilombero Valley: SMF: 1 [1 - **1** - **1**].
4 March 1999: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].
5 March 1999: Tanzania: Segoma Forest Reserve: SMF: 1 [1 - **1** - **1**].
14 March 1999: Tanzania: Amani-Sigi Forest Reserve: SMF: 2 [2 - **2** - **2**].

9 February 2000: "Africa": Unknown locality: SMF: 1 [1 - **1**].
Tanzania: Amani Nature Forest Reserve, NW-side: SMF: 2 [2] - Tanga region: SMF: 6 [6 - **8** - **9**].
10 February 2000: Tanzania: Amani Nature Forest Reserve, NW-side: SMF: 1 [1 - **1** - **1**].
3 August 2000: Tanzania: Nilo Forest Reserve: SMF: 1 [1 - **1** - **1**].
25 January 2001: Tanzania: Kwamgumi Forest Reserve: SMF: 1 [1 - **1** - **1**].
15 February 2001: Tanzania: Semdoe Forest Reserve: SMF: 1 [1 - **1** - **1**].
20 February 2001: Tanzania: Semdoe Forest Reserve: SMF: 1 [1 - **1** - **1**].
13 March 2001: Tanzania: Semdoe Forest Reserve: SMF: 1 [1 - **1** - **1**].

Total Specimens for Frontier Tanzania collection, The: 34

Frontier Tanzania collection, The; Howell, Kim M.

3 September 1994: Tanzania: Magrotto Hill: SMF: 1 [1 - **1** - **1**].
29 July 1995: Tanzania: Bamba-Mlungi Forest Reserve: SMF: 1 [1 - **1** - **1**].
11 November 1995: Tanzania: Longuza North Forest Reserve: SMF: 1 [1 - **1** - **1**].
31 January 1996: Tanzania: Kambai Forest Reserve: SMF: 2 [2 - **2** - **2**].
8 February 1996: Tanzania: Kambai Forest Reserve: SMF: 1 [1 - **1** - **1**].
8 March 1996: Tanzania: Kambai Forest Reserve: SMF: 1 [1 - **1** - **1**].
22 October 1996: Tanzania: Kwamgumi Forest Reserve: SMF: 1 [1 - **1** - **1**].
26 July 1998: Tanzania: Segoma Forest Reserve: SMF: 1 [1 - **1** - **1**].
5 February 1999: Tanzania: Amani-Sigi Forest Reserve: SMF: 1 [1 - **1** - **1**].
8 March 1999: Tanzania: Segoma Forest Reserve: SMF: 2 [2 - **2** - **2**].
8 August 1999: Tanzania: Kwamkoro-Kwamsambia Forest Reserve: SMF: 1 [1 - **1** - **1**].
17 June 2000: Tanzania: Nilo Forest Reserve: SMF: 1 [1 - **1** - **1**].
4 August 2000: Tanzania: Udzungwa Mts, West Kilombero Scarp Forest Reserve, Ndundulu Forest: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Frontier Tanzania collection, The; Howell, Kim M.: 15

Frontier-Madagascar, The

7 May 2003: Madagascar: unspecified locality: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Frontier-Madagascar, The: 1

Frontier-Project, The

Collection Date Unknown: Tanzania: Tanga: SMF: 1 [1 - **1** - **1**].

Total Specimens for Frontier-Project, The: 1

Fryer, J.C.F.

13 September 1908: Seychelles: Aldabra Atoll: BMNH: 2, CUMZ: 2 [4 - **4** - **4**].
27 November 1955: "Africa": Takamaka: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Fryer, J.C.F.: 6

Fülleborn

Collection Date Unknown: Tanzania: Langenburg [=?Ikombe]: ZMB: 4 [4] - Lindi: ZMB: 7 [7] - Mtira: ZMB: 1 [1] - no specific locality: ZMB: 1 [1] - Rutenganio [Mission]: ZMB: 1 [1 - **14** - **14**].

Total Specimens for Fülleborn: 14

Funnell, E., Frontier-Project, The

Collection Date Unknown: Tanzania: Tanga region: SMF: 1 [1 - **1** - **1**].

Total Specimens for Funnell, E., Frontier-Project, The: 1

G.A.L.

4 August 1977: Niger: Niamey: MVZ: 1 [1 - **1** - **1**].

Total Specimens for G.A.L.: 1

G.M.A.; Pienaar, Uys de Villiers

30 January 1960: South Africa: Girivana Cave: KNP: 1 [1 - **1** - **1**].
25 March 1960: South Africa: Satara Rest Camp: KNP: 1 [1 - **1** - **1**].
22 April 1960: South Africa: Gorge Restcamp: KNP: 1 [1 - **1** - **1**].

Total Specimens for G.M.A.; Pienaar, Uys de Villiers: 3

Gadeau de Kerville, Henri

18 May 1906: Tunisia: Djebel Gloub: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Gadeau de Kerville, Henri: 2

Gaerdes, F.

Collection Date Unknown: Namibia: Okahandja: SMF: 1 [1 - **1** - **1**].
1 December 1948: Namibia: Okahandja: FMNH: 1 [1 - **1** - **1**].
1 January 1952: Namibia: Karibib or Okahandja: SMF: 1 [1 - **1** - **1**].

Total Specimens for Gaerdes, F.: 3

Gaisler, Jiri
(3 July 1934: Prague - 17 July 2014)

21 April 1969: Egypt: Sultan Mahmud Mosque: IVB: 5 [5 - **5** - **5**].
26 April 1969: Egypt: Karnak Great Temple: IVB: 7 [7 - **7** - **7**].
6 May 1969: Egypt: Kharga Oasis, City of Deads: IVB: 2 [2 - **2** - **2**].
30 April 1981: Algeria: Aokas: MUB: 11 [11 - **11** - **11**].
15 January 1982: Algeria: Gorges de Kherrata tunnel: IVB: 1 [1 - **1** - **1**].
23 April 1982: Algeria: Souk el Tenine: MUB: 1 [1 - **1** - **1**].
1 May 1982: Algeria: Sebdou: IVB: 1 [1 - **1** - **1**].
14 January 1983: Algeria: Gorges de Kherrata tunnel: MUB: 1 [1 - **1** - **1**].
17 July 1983: Algeria: Ain Ouarka: MUB: 1 [1 - **1** - **1**].

Total Specimens for Gaisler, Jiri: 30

Gaisler, Jiri; Groschaft, J.

20 April 1969: Egypt: Giza, pyramids: IVB: 1, MUB: 2, NMP: 2 [5 - **5** - **5**].

Total Specimens for Gaisler, Jiri; Groschaft, J.: 5

Gaisler, Jiri; Kowalski, Kazimierz; Rzebik-Kowalska, Barbara

8 December 1980: Algeria: Sig: ISEA: 1 [1 - **1** - **1**].
23 November 1981: Algeria: Sig: MUB: 1 [1 - **1** - **1**].
20 July 1983: Algeria: Abadla: ISEA: 2, MUB: 2 [4 - **4** - **4**].

Total Specimens for Gaisler, Jiri; Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: 6

Gallagher, Michael D.

Collection Date Unknown: Congo (Democratic Republic of the): Isai River: HZM: 1 [1 - **1** - **1**].
18 October 1974: Congo (Democratic Republic of the): Grottes Kiwakishi: HZM: 2 [2 - **2** - **2**].
22 October 1974: Congo (Democratic Republic of the): Katupila: HZM: 1 [1 - **1** - **1**].
28 October 1974: Congo (Democratic Republic of the): Mulongo: HZM: 46 [46 - **46** - **46**].
30 October 1974: Congo (Democratic Republic of the): Mulongo: HZM: 1 [1 - **1** - **1**].
31 October 1974: Congo (Democratic Republic of the): Mulongo: HZM: 1 [1 - **1** - **1**].
1 November 1974: Congo (Democratic Republic of the): Manono: HZM: 2 [2 - **2** - **2**].
3 November 1974: Congo (Democratic Republic of the): Ankoro: HZM: 1 [1 - **1** - **1**].
7 November 1974: Congo (Democratic Republic of the): Kongolo: HZM: 16 [16 - **16** - **16**].
8 November 1974: Congo (Democratic Republic of the): Kongolo: HZM: 54 [54 - **54** - **54**].
9 November 1974: Congo (Democratic Republic of the): Kongolo: HZM: 1 [1 - **1** - **1**].
14 November 1974: Congo (Democratic Republic of the): Scierie Forest: BMNH: 1 [1 - **1** - **1**].
18 November 1974: Congo (Democratic Republic of the): Isai River: HZM: 1 [1 - **1** - **1**].
22 November 1974: Congo (Democratic Republic of the): Scierie Forest: HZM: 2 [2 - **2** - **2**].
24 November 1974: Congo (Democratic Republic of the): Sciere Forest: HZM: 3 [3 - **3** - **3**].
8 December 1974: Congo (Democratic Republic of the): Avakubi, near: HZM: 1 [1] - Ituri River, Bridge: HZM: 3 [3 - **4** - **4**].
9 December 1974: Congo (Democratic Republic of the): Avakubi, near: HZM: 1 [1 - **1** - **1**].
10 December 1974: Congo (Democratic Republic of the): Avakubi, near: HZM: 1 [1 - **1** - **1**].
16 December 1974: Congo (Democratic Republic of the): Isai River: HZM: 6 [6 - **6** - **6**].
18 December 1974: Congo (Democratic Republic of the): Isai River: HZM: 1 [1 - **1** - **1**].
19 December 1974: Congo (Democratic Republic of the): Isai River: HZM: 6 [6 - **6** - **6**].
27 December 1974: Congo (Democratic Republic of the): Weko Forest: HZM: 12 [12 - **12** - **12**].
4 January 1975: Congo (Democratic Republic of the): Yangambi: HZM: 6 [6 - **6** - **6**].
6 January 1975: Congo (Democratic Republic of the): Kisingani: HZM: 2 [2 - **2** - **2**].
13 January 1975: Congo (Democratic Republic of the): Kisingani: HZM: 2 [2 - **2** - **2**].
15 January 1975: Congo (Democratic Republic of the): Kinshasa: HZM: 38 [38 - **38** - **38**].
16 January 1975: Congo (Democratic Republic of the): Kinshasa: HZM: 2 [2 - **2** - **2**].

Total Specimens for Gallagher, Michael D.: 214

Galpin, R.

30 May 1967: South Africa: Mosdene Nature Reserve: ROM: 1 [1 - **1** - **1**].

Total Specimens for Galpin, R.: 1

Galton, Francis
(16 February 1822: near Sparbrook - 1911)

Collection Date Unknown: "Africa": Unknown locality: BMNH: 1 [1 - **1**].
Sudan: 5th cataract of the Nile: BMNH: 1 [1 - **1** - **2**].

Total Specimens for Galton, Francis: 2

Gans, Carl
(1923 -)

24 July 1961: Somalia: Mogadisio: AMNH: 1 [1 - **1** - **1**].
28 July 1961: Somalia: Balad: AMNH: 1 [1 - **1** - **1**].
3 August 1961: Somalia: Balad: AMNH: 1 [1 - **1** - **1**].
9 August 1961: Somalia: Balad, 5 mi S: AMNH: 1 [1 - **1** - **1**].
10 August 1961: Somalia: Afgoi: AMNH: 1 [1 - **1** - **1**].
11 August 1961: Somalia: Balad, 1 mi S: AMNH: 12 [12 - **12** - **12**].
21 August 1961: Somalia: Candala: AMNH: 2 [2 - **2** - **2**].
27 August 1961: Somalia: Mogadisio, 3 mi N: AMNH: 27 [27 - **27** - **27**].
6 September 1961: Tanzania: Seronera: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Gans, Carl: 47

Gardiner, J. Stanley

Collection Date Unknown: Seychelles: Silhouette: BMNH: 1 [1] - Silhouette Island: BMNH: 1 [1 - **2** - **2**].

Total Specimens for Gardiner, J. Stanley: 2

Gathura, Peter Baaro

9 September 1966: Kenya: Voi: ROM: 1 [1 - **1** - **1**].

Total Specimens for Gathura, Peter Baaro: 1

Gatter, Wulf

1 January 1982: Liberia: Mount Nimba: SMF: 2 [2 - **2** - **2**].

Total Specimens for Gatter, Wulf: 2

Gaucher, Ph.; Brosset, André

1 January 1984: Tunisia: Gabès, 100 km S: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Gaucher, Ph.; Brosset, André: 1

Gaudchau, M.

19 March 1964: Sudan: Abu Tiga Forest Reserve: SMF: 6 [6 - **6** - **6**].

Total Specimens for Gaudchau, M.: 6

Gauteng Bat Intrest Group, The

20 September 2003: South Africa: Farm Makapansgat 39KS: TM: 1 [1 - **1** - **1**].

Total Specimens for Gauteng Bat Intrest Group, The: 1

Gauteng Nature Conservation, The

18 July 2004: South Africa: Farm Tweefontein 523 JQ: TM: 1 [1 - **1** - **1**].

Total Specimens for Gauteng Nature Conservation, The: 1

Geene, R.

5 March 1990: Egypt: Port Said, 10 mi S: ZMA: 2 [2 - **2** - **2**].

15 April 1990: Egypt: Shak Shouk: ZMA: 1 [1 - **1** - **1**].
10 May 1990: Egypt: Manzala East: ZMA: 3 [3 - **3** - **3**].

Total Specimens for Geene, R.: 6

Geertsema, C.C.

25 August 1963: Botswana: Moremi Game Reserve: ZMA: 1 [1 - **1** - **1**].
28 August 1963: Botswana: Kwaai River: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Geertsema, C.C.: 2

Geest, Julius C.

Collection Date Unknown: Ghana: Legon: USNM: 13 [13] - Prestea, 32 mi W: USNM: 19 [19] - Pulima: USNM: 3 [3 - **35**].
Nigeria: Afon: USNM: 12 [12] - Felele: USNM: 3 [3] - Gudi, 3 mi E: USNM: 2 [2] - Ibadan: USNM: 1 [1] - Karaduwa: USNM: 4 [4] - Kudu: USNM: 8 [8] - Panyam [Fish Farm]: USNM: 2 [2] - Parniso: USNM: 4 [4] - Tangaza: USNM: 5 [5] - Tsanchaga: USNM: 3 [3 - **44** - **79**].
11 October 1966: Nigeria: Ibadan: USNM: 2 [2] - Ibadan University College: USNM: 1 [1 - **3** - **3**].
21 October 1966: Nigeria: Igbo-ora: USNM: 3 [3 - **3** - **3**].
25 October 1966: Nigeria: Idere: USNM: 10 [10 - **10** - **10**].
26 October 1966: Nigeria: Igbo-ora: USNM: 4 [4 - **4** - **4**].
6 November 1966: Nigeria: Ibadan University College: USNM: 6 [6 - **6** - **6**].
7 November 1966: Nigeria: Ibadan University College: USNM: 2 [2 - **2** - **2**].
9 November 1966: Nigeria: Ilashe, 4 mi S: USNM: 2 [2 - **2** - **2**].
29 November 1966: Nigeria: Kware: USNM: 1 [1 - **1** - **1**].
30 November 1966: Nigeria: Kware: USNM: 1 [1 - **1** - **1**].
1 December 1966: Nigeria: Tangaza: USNM: 16 [16 - **16** - **16**].
2 December 1966: Nigeria: Dada: USNM: 1 [1] - Tangaza: USNM: 5 [5 - **6** - **6**].
14 December 1966: Nigeria: Upper Ogun Ranch: USNM: 2 [2 - **2** - **2**].
3 January 1967: Nigeria: Kudu: USNM: 1 [1 - **1** - **1**].
7 January 1967: Ghana: Legon: USNM: 1 [1] - Prestea, 32 mi [=51.5 km] W: USNM: 1 [1 - **2** - **2**].
8 January 1967: Nigeria: Tsanchaga: USNM: 11 [11 - **11** - **11**].
9 January 1967: Nigeria: Tsanchaga: USNM: 2 [2 - **2** - **2**].
10 January 1967: Nigeria: Tsanchaga: USNM: 74 [74 - **74** - **74**].
11 January 1967: Nigeria: Tsanchaga: USNM: 1 [1 - **1** - **1**].
14 January 1967: Nigeria: Karaduwa: USNM: 5 [5 - **5** - **5**].
15 January 1967: Nigeria: Karaduwa: USNM: 1 [1 - **1** - **1**].
16 January 1967: Nigeria: Karaduwa: USNM: 3 [3 - **3** - **3**].
17 January 1967: Nigeria: Karaduwa: USNM: 2 [2 - **2** - **2**].
18 January 1967: Nigeria: Karaduwa: USNM: 1 [1 - **1** - **1**].
22 January 1967: Nigeria: Panisau: USNM: 5 [5 - **5** - **5**].
24 January 1967: Ghana: University of Ghana: USNM: 1 [1 - **1**].
Nigeria: Panisau: USNM: 6 [6 - **6** - **7**].
26 January 1967: Nigeria: Panisau: USNM: 3 [3 - **3** - **3**].
27 January 1967: Nigeria: Panisau: USNM: 1 [1 - **1** - **1**].
4 February 1967: Nigeria: Panisau: USNM: 10 [10 - **10** - **10**].
5 February 1967: Nigeria: Panisau: USNM: 6 [6 - **6** - **6**].
25 February 1967: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
4 March 1967: Nigeria: Kudu: USNM: 4 [4 - **4** - **4**].
5 March 1967: Nigeria: Kudu: USNM: 3 [3 - **3** - **3**].
7 March 1967: Nigeria: Kudu: USNM: 7 [7 - **7** - **7**].
8 March 1967: Nigeria: Kudu: USNM: 2 [2 - **2** - **2**].
14 March 1967: Nigeria: Gudi, 3 mi E: USNM: 5 [5 - **5** - **5**].
18 March 1967: Nigeria: Gudi, 3 mi E: USNM: 2 [2] - Panyam [Fish Farm]: USNM: 1 [1 - **3** - **3**].
10 April 1967: Nigeria: Panyam [Fish Farm]: USNM: 2 [2 - **2** - **2**].
11 April 1967: Nigeria: Panyam [Fish Farm]: USNM: 2 [2 - **2** - **2**].
13 April 1967: Nigeria: Panyam [Fish Farm]: USNM: 1 [1 - **1** - **1**].
14 April 1967: Nigeria: Panyam [Fish Farm]: USNM: 1 [1 - **1** - **1**].
15 April 1967: Nigeria: Panyam [Fish Farm]: USNM: 1 [1 - **1** - **1**].
16 April 1967: Nigeria: Panyam [Fish Farm]: USNM: 1 [1 - **1** - **1**].
5 May 1967: Nigeria: Afon: USNM: 115 [115 - **115** - **115**].
6 May 1967: Nigeria: Afon: USNM: 50 [50 - **50** - **50**].
7 May 1967: Nigeria: Afon: USNM: 5 [5 - **5** - **5**].
9 May 1967: Nigeria: Afon: USNM: 13 [13 - **13** - **13**].
10 May 1967: Nigeria: Afon: USNM: 5 [5 - **5** - **5**].
13 May 1967: Nigeria: Felele: USNM: 5 [5 - **5** - **5**].
15 May 1967: Nigeria: Felele: USNM: 2 [2 - **2** - **2**].
16 May 1967: Nigeria: Felele: USNM: 20 [20 - **20** - **20**].
17 May 1967: Nigeria: Felele: USNM: 8 [8 - **8** - **8**].
18 May 1967: Nigeria: Felele: USNM: 3 [3 - **3** - **3**].
19 May 1967: Nigeria: Felele: USNM: 8 [8 - **8** - **8**].
21 May 1967: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
24 May 1967: Nigeria: Ibadan: USNM: 3 [3 - **3** - **3**].
25 May 1967: Nigeria: Ibadan: USNM: 4 [4 - **4** - **4**].

26 May 1967: Nigeria: Ibadan: USNM: 6 [6 - **6** - **6**].
29 May 1967: Nigeria: Dada: USNM: 1 [1 - **1** - **1**].
30 May 1967: Nigeria: Dada: USNM: 127 [127 - **127** - **127**].
12 June 1967: Nigeria: Shagunu: USNM: 78 [78 - **78** - **78**].
13 June 1967: Nigeria: Shagunu: USNM: 76 [76 - **76** - **76**].
29 June 1967: Ghana: Leklebi Agbesia: USNM: 1 [1 - **1** - **1**].
16 July 1967: Ghana: Bator: USNM: 64 [64 - **64** - **64**].
20 July 1967: Ghana: University of Ghana: USNM: 11 [11 - **11** - **11**].
21 July 1967: Ghana: University of Ghana: USNM: 11 [11 - **11** - **11**].
22 July 1967: Ghana: University of Ghana: USNM: 2 [2 - **2** - **2**].
24 July 1967: Ghana: Legon: USNM: 1 [1] - University of Ghana: USNM: 8 [8 - **9** - **9**].
27 July 1967: Ghana: Legon: USNM: 3 [3] - University of Ghana: USNM: 3 [3 - **6** - **6**].
29 July 1967: Ghana: Mankesin: USNM: 1 [1 - **1** - **1**].
7 August 1967: Ghana: Nkawkaw, 1 mi [=1.6 km] N: USNM: 12 [12 - **12** - **12**].
8 October 1967: Ghana: Aburi: USNM: 1 [1 - **1** - **1**].
9 October 1967: Ghana: Berekuso, 1 mi N: USNM: 3 [3 - **3** - **3**].
16 October 1967: Ghana: Berekuso: USNM: 1 [1] - Berekuso, 1 mi N: USNM: 1 [1 - **2** - **2**].
17 October 1967: Ghana: Achimota: USNM: 1 [1 - **1** - **1**].
18 October 1967: Ghana: Achimota: USNM: 4 [4 - **4** - **4**].
23 October 1967: Ghana: Achimota: USNM: 1 [1 - **1** - **1**].
5 November 1967: Ghana: Berekuso, 1 mi N: USNM: 10 [10 - **10** - **10**].
11 November 1967: Ghana: Aiyikuma: USNM: 35 [35 - **35** - **35**].
12 November 1967: Ghana: Krobo mountain: USNM: 1 [1 - **1** - **1**].
13 November 1967: Ghana: Achimota: USNM: 2 [2 - **2** - **2**].
14 November 1967: Ghana: Doyum: USNM: 22 [22 - **22** - **22**].
16 November 1967: Ghana: Doyum: USNM: 33 [33 - **33** - **33**].
19 November 1967: Ghana: Krobo mountain: USNM: 10 [10 - **10** - **10**].
22 November 1967: Ghana: University of Ghana: USNM: 1 [1 - **1** - **1**].
23 November 1967: Ghana: Teshi: USNM: 31 [31 - **31** - **31**].
25 November 1967: Ghana: Achimota: USNM: 2 [2] - Teshi: USNM: 11 [11 - **13** - **13**].
26 November 1967: Ghana: Teshi: USNM: 19 [19 - **19** - **19**].
28 November 1967: Ghana: Legon: USNM: 2 [2] - University of Ghana: USNM: 6 [6 - **8** - **8**].
30 November 1967: Ghana: Akosombo: USNM: 11 [11] - Legon: USNM: 1 [1] - University of Ghana: USNM: 3 [3 - **15** - **15**].
1 December 1967: Ghana: University of Ghana: USNM: 5 [5 - **5** - **5**].
2 December 1967: Ghana: Akwanu, 5 mi W: USNM: 23 [23] - Kpeve: USNM: 3 [3 - **26** - **26**].
3 December 1967: Ghana: University of Ghana: USNM: 6 [6 - **6** - **6**].
16 December 1967: Nigeria: Upper Ogun Ranch: USNM: 1 [1 - **1** - **1**].
7 January 1968: Ghana: Prestea, 32 mi [=51.5 km] W: USNM: 6 [6] - Prestea, 32 mi W: USNM: 4 [4 - **10** - **10**].
8 January 1968: Ghana: Prestea, 32 mi [=51.5 km] W: USNM: 6 [6] - Prestea, 32 mi W: USNM: 1 [1 - **7** - **7**].
9 January 1968: Ghana: Prestea, 32 mi [=51.5 km] W: USNM: 11 [11] - Prestea, 32 mi W: USNM: 3 [3 - **14** - **14**].
10 January 1968: Ghana: Prestea, 32 mi [=51.5 km] W: USNM: 9 [9] - Prestea, 32 mi W: USNM: 14 [14 - **23** - **23**].
11 January 1968: Ghana: Prestea, 32 mi [=51.5 km] W: USNM: 8 [8] - Prestea, 32 mi W: USNM: 16 [16 - **24** - **24**].
12 January 1968: Ghana: Prestea, 32 mi [=51.5 km] W: USNM: 8 [8] - Prestea, 32 mi W: USNM: 10 [10 - **18** - **18**].
13 January 1968: Ghana: Prestea, 32 mi [=51.5 km] W: USNM: 8 [8] - Prestea, 32 mi W: USNM: 9 [9 - **17** - **17**].
14 January 1968: Ghana: Prestea, 32 mi [=51.5 km] W: USNM: 1 [1] - Prestea, 32 mi W: USNM: 4 [4 - **5** - **5**].
15 January 1968: Ghana: Prestea, 32 mi W: USNM: 2 [2 - **2** - **2**].
16 January 1968: Ghana: Butre: USNM: 1 [1 - **1** - **1**].
17 January 1968: Ghana: Butre: USNM: 48 [48 - **48** - **48**].
18 January 1968: Ghana: Butre: USNM: 36 [36 - **36** - **36**].
19 January 1968: Ghana: Butre: USNM: 21 [21 - **21** - **21**].
20 January 1968: Ghana: Butre: USNM: 17 [17 - **17** - **17**].
21 January 1968: Ghana: Butre: USNM: 24 [24 - **24** - **24**].
22 January 1968: Ghana: Butre: USNM: 10 [10 - **10** - **10**].
25 January 1968: Ghana: Ahiriso: USNM: 66 [66 - **66** - **66**].
26 January 1968: Ghana: Ahiriso: USNM: 20 [20 - **20** - **20**].
27 January 1968: Ghana: Ahiriso: USNM: 22 [22 - **22** - **22**].
28 January 1968: Ghana: Ahiriso: USNM: 2 [2] - Leklebi Agbesia: USNM: 5 [5 - **7** - **7**].
29 January 1968: Ghana: Ahiriso: USNM: 1 [1 - **1** - **1**].
30 January 1968: Ghana: Ahiriso: USNM: 7 [7 - **7** - **7**].
21 February 1968: Ghana: Subinja: USNM: 10 [10 - **10** - **10**].
22 February 1968: Ghana: Subinja: USNM: 20 [20 - **20** - **20**].
23 February 1968: Ghana: Subinja: USNM: 4 [4 - **4** - **4**].
24 February 1968: Ghana: Subinja: USNM: 6 [6 - **6** - **6**].
26 February 1968: Ghana: Pirisi: USNM: 60 [60 - **60** - **60**].
27 February 1968: Ghana: Pirisi: USNM: 59 [59 - **59** - **59**].
29 February 1968: Ghana: Pirisi: USNM: 6 [6 - **6** - **6**].
1 March 1968: Ghana: Pirisi: USNM: 11 [11 - **11** - **11**].
3 March 1968: Ghana: Pulima: USNM: 40 [40 - **40** - **40**].
4 March 1968: Ghana: Pulima: USNM: 12 [12 - **12** - **12**].
5 March 1968: Ghana: Bangwon: USNM: 4 [4] - Pulima: USNM: 10 [10 - **14** - **14**].
6 March 1968: Ghana: Pulima: USNM: 4 [4 - **4** - **4**].
7 March 1968: Ghana: Pulima: USNM: 26 [26 - **26** - **26**].
9 March 1968: Ghana: Bangwon: USNM: 36 [36 - **36** - **36**].
11 March 1968: Ghana: Bangwon: USNM: 16 [16 - **16** - **16**].
13 March 1968: Ghana: Bangwon: USNM: 2 [2 - **2** - **2**].
15 March 1968: Ghana: Sakpa: USNM: 7 [7 - **7** - **7**].

16 March 1968: Ghana: Pulima: USNM: 1 [1] - Sakpa: USNM: 46 [46 - **47** - **47**].
17 March 1968: Ghana: Sakpa: USNM: 27 [27 - **27** - **27**].
18 March 1968: Ghana: Sakpa: USNM: 65 [65 - **65** - **65**].
19 March 1968: Ghana: Sakpa: USNM: 8 [8 - **8** - **8**].
21 March 1968: Ghana: Kokofu: USNM: 2 [2] - Sakpa: USNM: 13 [13 - **15** - **15**].
29 March 1968: Ghana: Kade, 6 mi [=9.7 km] N: USNM: 29 [29 - **29** - **29**].
3 April 1968: Ghana: Yabraso: USNM: 1 [1 - **1** - **1**].
8 April 1968: Ghana: Yabraso: USNM: 22 [22 - **22** - **22**].
9 April 1968: Ghana: Yabraso: USNM: 19 [19 - **19** - **19**].
10 April 1968: Ghana: Yabraso: USNM: 18 [18 - **18** - **18**].
11 April 1968: Ghana: Yabraso: USNM: 11 [11 - **11** - **11**].
12 April 1968: Ghana: Yabraso: USNM: 14 [14 - **14** - **14**].
14 April 1968: Ghana: Nabogo: USNM: 8 [8 - **8** - **8**].
15 April 1968: Ghana: Nabogo: USNM: 6 [6 - **6** - **6**].
16 April 1968: Ghana: Nabogo: USNM: 2 [2 - **2** - **2**].
21 April 1968: Ghana: Nabogo: USNM: 1 [1 - **1** - **1**].
23 April 1968: Ghana: Nabogo: USNM: 3 [3 - **3** - **3**].
6 May 1968: Ghana: Shishe: USNM: 10 [10 - **10** - **10**].
8 May 1968: Ghana: Gambaga: USNM: 3 [3 - **3** - **3**].
9 May 1968: Ghana: Gambaga: USNM: 5 [5 - **5** - **5**].
10 May 1968: Ghana: Gambaga: USNM: 4 [4 - **4** - **4**].
11 May 1968: Ghana: Gambaga: USNM: 8 [8 - **8** - **8**].
12 May 1968: Ghana: Gambaga: USNM: 5 [5 - **5** - **5**].
13 May 1968: Ghana: Gambaga: USNM: 7 [7 - **7** - **7**].
14 May 1968: Ghana: Gambaga: USNM: 11 [11 - **11** - **11**].
16 May 1968: Ghana: Sakpa: USNM: 1 [1] - Wulasi: USNM: 4 [4 - **5** - **5**].
17 May 1968: Ghana: Wulasi: USNM: 1 [1 - **1** - **1**].
18 May 1968: Ghana: Wulasi: USNM: 4 [4 - **4** - **4**].
19 May 1968: Ghana: Wulasi: USNM: 6 [6 - **6** - **6**].
20 May 1968: Ghana: Wulasi: USNM: 4 [4 - **4** - **4**].
21 May 1968: Ghana: Kokofu: USNM: 3 [3 - **3** - **3**].
22 May 1968: Ghana: Kokofu: USNM: 3 [3 - **3** - **3**].
10 June 1968: Ghana: Prestea, 32 mi [=51.5 km] W: USNM: 1 [1 - **1** - **1**].
16 June 1968: Ghana: Odomi Jongo: USNM: 1 [1 - **1** - **1**].
17 June 1968: Ghana: Odomi Jongo: USNM: 6 [6 - **6** - **6**].
18 June 1968: Ghana: Odomi Jongo: USNM: 9 [9] - Sakpa: USNM: 1 [1 - **10** - **10**].
19 June 1968: Ghana: Odomi Jongo: USNM: 21 [21 - **21** - **21**].
20 June 1968: Ghana: Odomi Jongo: USNM: 8 [8 - **8** - **8**].
21 June 1968: Ghana: Odomi Jongo: USNM: 9 [9 - **9** - **9**].
22 June 1968: Ghana: Odomi Jongo: USNM: 13 [13 - **13** - **13**].
23 June 1968: Ghana: Odomi Jongo: USNM: 8 [8 - **8** - **8**].
25 June 1968: Ghana: Leklebi Agbesia: USNM: 91 [91 - **91** - **91**].
26 June 1968: Ghana: Leklebi Agbesia: USNM: 27 [27 - **27** - **27**].
27 June 1968: Ghana: Leklebi Agbesia: USNM: 40 [40 - **40** - **40**].
28 June 1968: Ghana: Leklebi Agbesia: USNM: 13 [13 - **13** - **13**].
30 June 1968: Ghana: Leklebi Agbesia: USNM: 5 [5 - **5** - **5**].
10 July 1968: Ghana: Efeipo Krom: USNM: 1 [1] - Yabraso: USNM: 1 [1 - **2** - **2**].
15 July 1968: Ghana: Efeipo Krom: USNM: 1 [1 - **1** - **1**].
14 July 1969: Ghana: Efeipo Krom: USNM: 1 [1 - **1** - **1**].

Total Specimens for Geest, Julius C.: 2567

Geest, Julius C.; Cole, L.

14 November 1967: Ghana: Pra Suhien Forest Reserve: USNM: 1 [1 - **1** - **1**].

Total Specimens for Geest, Julius C.; Cole, L.: 1

Geldenhuys, P.J.

10 February 1938: South Africa: Het Kruis: MCZ: 1 [1 - **1** - **1**].
15 February 1938: South Africa: Het Kruis: MCZ: 1 [1 - **1** - **1**].
24 January 1964: South Africa: Brakfontein: USNM: 6 [6 - **6** - **6**].
28 January 1964: South Africa: De Hoop Provincial Nature Reserve: USNM: 1 [1 - **1** - **1**].
24 January 1966: South Africa: Brakfontein: USNM: 3 [3 - **3** - **3**].

Total Specimens for Geldenhuys, P.J.: 12

Geldof

24 April 1929: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Geldof: 1

Gembu Tungaluna, Guy-Crispin

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 33 [33] - Baliko: RMCA: 12 [12 - **45** - **45**].
12 May 2010: Congo (Democratic Republic of the): Kona: RMCA: 1 [1 - **1** - **1**].
15 May 2010: Congo (Democratic Republic of the): Moenge: RMCA: 2 [2 - **2** - **2**].
16 May 2010: Congo (Democratic Republic of the): Moenge: RMCA: 1 [1 - **1** - **1**].
23 May 2010: Congo (Democratic Republic of the): Bomane: RMCA: 1 [1 - **1** - **1**].
12 September 2010: Congo (Democratic Republic of the): Faradje: RMCA: 1 [1 - **1** - **1**].
11 February 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Gembu Tungaluna, Guy-Crispin: 52

Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José

1 May 2010: Congo (Democratic Republic of the): Lieki: UNIKIS: 1 [1 - **1** - **1**].
2 May 2010: Congo (Democratic Republic of the): Yaekela: UNIKIS: 5 [5 - **5** - **5**].
3 May 2010: Congo (Democratic Republic of the): Yaekela: UNIKIS: 37 [37 - **37** - **37**].
4 May 2010: Congo (Democratic Republic of the): Yaekela: UNIKIS: 24 [24 - **24** - **24**].
5 May 2010: Congo (Democratic Republic of the): Yaekela: UNIKIS: 30 [30 - **30** - **30**].
6 May 2010: Congo (Democratic Republic of the): Yaekela: UNIKIS: 23 [23 - **23** - **23**].
7 May 2010: Congo (Democratic Republic of the): Yaekela: UNIKIS: 14 [14 - **14** - **14**].
12 May 2010: Congo (Democratic Republic of the): Kona: UNIKIS: 28 [28 - **28** - **28**].
13 May 2010: Congo (Democratic Republic of the): Kona: UNIKIS: 13 [13 - **13** - **13**].
14 May 2010: Congo (Democratic Republic of the): Kona: UNIKIS: 9 [9 - **9** - **9**].
15 May 2010: Congo (Democratic Republic of the): Kona: UNIKIS: 24 [24 - **24** - **24**].
16 May 2010: Congo (Democratic Republic of the): Kona: UNIKIS: 9 [9 - **9** - **9**].
17 May 2010: Congo (Democratic Republic of the): Kona: UNIKIS: 11 [11 - **11** - **11**].
21 May 2010: Congo (Democratic Republic of the): Bomane: UNIKIS: 26 [26] - Kona: UNIKIS: 2 [2] - Lieki: UNIKIS: 1 [1 - **29** - **29**].
22 May 2010: Congo (Democratic Republic of the): Bomane: UNIKIS: 2 [2] - Lieki: UNIKIS: 1 [1 - **3** - **3**].
24 May 2010: Congo (Democratic Republic of the): Bomane: UNIKIS: 1 [1 - **1** - **1**].
29 May 2010: Congo (Democratic Republic of the): Lieki: UNIKIS: 4 [4 - **4** - **4**].
30 May 2010: Congo (Democratic Republic of the): Bomane: UNIKIS: 9 [9] - Lieki: UNIKIS: 7 [7 - **16** - **16**].
31 May 2010: Congo (Democratic Republic of the): Bomane: UNIKIS: 1 [1] - Lieki: UNIKIS: 1 [1 - **2** - **2**].
1 June 2010: Congo (Democratic Republic of the): Lieki: UNIKIS: 9 [9 - **9** - **9**].
2 June 2010: Congo (Democratic Republic of the): Lieki: UNIKIS: 15 [15 - **15** - **15**].
3 June 2010: Congo (Democratic Republic of the): Lieki: UNIKIS: 7 [7 - **7** - **7**].

Total Specimens for Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: 314

Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André

18 May 2012: Congo (Democratic Republic of the): Uma: UNIKIS: 1 [1 - **1** - **1**].
15 August 2012: Congo (Democratic Republic of the): Uma: UNIKIS: 7 [7 - **7** - **7**].
16 August 2012: Congo (Democratic Republic of the): Uma: UNIKIS: 2 [2 - **2** - **2**].
17 August 2012: Congo (Democratic Republic of the): Uma: UNIKIS: 3 [3 - **3** - **3**].
18 August 2012: Congo (Democratic Republic of the): Uma: UNIKIS: 2 [2 - **2** - **2**].
7 February 2013: Congo (Democratic Republic of the): Obenge: UNIKIS: 1 [1 - **1** - **1**].
17 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 19 [19 - **19** - **19**].
18 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 5 [5 - **5** - **5**].
19 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 11 [11 - **11** - **11**].
20 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 15 [15 - **15** - **15**].
21 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 2 [2 - **2** - **2**].
22 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 10 [10 - **10** - **10**].
23 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 9 [9 - **9** - **9**].
24 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 8 [8 - **8** - **8**].
25 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 5 [5 - **5** - **5**].
26 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 9 [9 - **9** - **9**].
27 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 6 [6 - **6** - **6**].
28 August 2013: Congo (Democratic Republic of the): Rubi-Tele: UNIKIS: 3 [3 - **3** - **3**].
10 April 2014: Congo (Democratic Republic of the): Uma: UNIKIS: 9 [9 - **9** - **9**].
11 April 2014: Congo (Democratic Republic of the): Uma: UNIKIS: 15 [15 - **15** - **15**].
12 April 2014: Congo (Democratic Republic of the): Uma: UNIKIS: 16 [16 - **16** - **16**].
13 April 2014: Congo (Democratic Republic of the): Uma: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: 159

Geoffroy-Saint-Hilaire, Etienne
(1772 - 1844)

Collection Date Unknown: Egypt: Unknown locality: RMNH: 1 [1] - Giza: MNHN: 1 [1 - **2** - **2**].

Total Specimens for Geoffroy-Saint-Hilaire, Etienne: 2

George, W.

6 October 1966: Tanzania: Mkomazi Game Reserve: MSU: 1 [1 - **1** - **1**].

Total Specimens for George, W.: 1

Gerard

Collection Date Unknown: Congo (Democratic Republic of the): Boma: RMCA: 1 [1] - Kiambi: RMCA: 2 [2] - Mulongo: RMCA: 4 [4] - Pweto: RMCA: 2 [2 - **9** - **9**].
1 August 1928: Congo (Democratic Republic of the): Boma: RMCA: 12 [12 - **12** - **12**].

Total Specimens for Gerard: 21

Gerard, E.

Collection Date Unknown: "Africa": but almost certainly from Kashmir or N India: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Gerard, E.: 1

Gerard, E.; Rudd, C.D.

Collection Date Unknown: Gabon: Cette Cama: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Gerard, E.; Rudd, C.D.: 1

Gerard, E.; Turner, H.J.A.(?)

1 January 1913: Kenya: Yala river: BMNH: 1 [1 - **1** - **1**].
16 November 1913: Kenya: Yala river: BMNH: 1 [1 - **1** - **1**].
23 November 1913: Kenya: Yala river: BMNH: 1 [1 - **1** - **1**].
1 December 1913: Kenya: Yala river: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Gerard, E.; Turner, H.J.A.(?): 4

Gere, C.

Collection Date Unknown: Mauritius: Unknown locality: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Gere, C.: 1

Germain, Rodolphe

25 October 1947: Congo (Democratic Republic of the): Yangambi: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Germain, Rodolphe: 1

Gerrans, R.

28 June 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].

Total Specimens for Gerrans, R.: 1

Gerrans, R.; Weber, S.

25 May 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 4 [4 - **4** - **4**].
19 September 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 4 [4 - **4** - **4**].

Total Specimens for Gerrans, R.; Weber, S.: 8

Gerrard

Collection Date Unknown: Eritrea: Bogos country: ZMB: 1 [1 - **1**].
Ethiopia: Abyssinia: ZMB: 1 [1 - **1**].
Madagascar: Unknown locality: ZMB: 3 [3 - **3**].
Nigeria: Lagos: ZMB: 2 [2 - **2**].
South Africa: Cape of Good Hope: ZMB: 1 [1 - **1**].
Tanzania: Pangani river: ZMB: 1 [1] - Zanzibar: ZMB: 1 [1 - **2**].
The Gambia: Unknown locality: BMNH: 1 [1 - **1** - **11**].

Total Specimens for Gerrard: 11

Gerrard, Edward

Collection Date Unknown: "Africa": Northern Africa: MCZ: 1 [1 - **1**].
Eritrea: Asmara: MCZ: 1 [1 - **1**].
Madagascar: Unknown locality: MCZ: 3 [3 - **3** - **5**].

Total Specimens for Gerrard, Edward: 5

Gharaibeh, Burhan M.

12 May 1996: Tunisia: Tabouda caves: TTU: 10 [10 - **10** - **10**].
29 May 1996: Tunisia: Dgomous Reserve: TTU: 2 [2 - **2** - **2**].
8 June 1996: Tunisia: Ain Dhab: TTU: 1 [1 - **1** - **1**].
10 June 1996: Tunisia: Damoos Said: TTU: 3 [3 - **3** - **3**].
12 June 1996: Tunisia: Ain Dhab: TTU: 6 [6] - Damoos Said: TTU: 2 [2 - **8** - **8**].
19 June 1996: Tunisia: Feija National Park Headquarters: TTU: 1 [1 - **1** - **1**].
21 June 1996: Tunisia: Feija National Park Headquarters: TTU: 24 [24] - Ghar Kraiz: TTU: 8 [8 - **32** - **32**].
23 June 1996: Tunisia: Ain Jammalah Pepinier Forestière: TTU: 4 [4] - Ghar Kraiz: TTU: 5 [5 - **9** - **9**].
24 June 1996: Tunisia: Ain Dhab: TTU: 3 [3 - **3** - **3**].

Total Specimens for Gharaibeh, Burhan M.: 69

Ghesquière, J.

Collection Date Unknown: Congo (Democratic Republic of the): Lukolela: RMCA: 1 [1] - Lusambo: RMCA: 3 [3 - **4** - **4**].
6 April 1920: Congo (Democratic Republic of the): Nyangwe: RMCA: 1 [1 - **1** - **1**].
1 December 1921: Congo (Democratic Republic of the): Lusambo: RMCA: 4 [4 - **4** - **4**].
25 December 1921: Congo (Democratic Republic of the): Lusambo: RMCA: 1 [1 - **1** - **1**].
1 January 1922: Congo (Democratic Republic of the): Lusambo: RMCA: 1 [1 - **1** - **1**].
1 August 1923: Congo (Democratic Republic of the): Lukolela: RMCA: 1 [1 - **1** - **1**].
1 September 1923: Congo (Democratic Republic of the): Lukolela: RMCA: 1 [1 - **1** - **1**].
1 April 1924: Congo (Democratic Republic of the): Stanleyville: RMCA: 2 [2 - **2** - **2**].
1 June 1925: Congo (Democratic Republic of the): Tshuapa river, upper: RMCA: 2 [2 - **2** - **2**].
1 September 1927: Congo (Democratic Republic of the): Befale: RMCA: 1 [1 - **1** - **1**].
1 July 1935: Congo (Democratic Republic of the): Eala: RMCA: 1 [1 - **1** - **1**].
1 August 1936: Congo (Democratic Republic of the): Eala: RMCA: 2 [2 - **2** - **2**].
16 January 1937: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
1 March 1937: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
24 March 1937: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
30 March 1937: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
1 May 1937: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
3 January 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
6 January 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
20 January 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
1 February 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
26 February 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
1 March 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
3 March 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
4 March 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 2 [2 - **2** - **2**].
5 March 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 1 [1 - **1** - **1**].
24 March 1938: Congo (Democratic Republic of the): Rutshuru: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Ghesquière, J.: 38

Ghotosho

22 December 1982: Nigeria: Zaria: HZM: 1 [1 - **1** - **1**].

Total Specimens for Ghotosho: 1

Gierra, A.

Collection Date Unknown: Tanzania: Bagamoyo: MNHN: 2 [2] - Usambara mountains: MNHN: 5 [5 - **7** - **7**].

Total Specimens for Gierra, A.: 7

Gierra, M.C.

Collection Date Unknown: "Africa": Unknown locality: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Gierra, M.C.: 1

Giffard, W.

20 August 1898: Ghana: Gambaga: BMNH: 1 [1 - **1** - **1**].

27 January 1899: Ghana: Fra Fra Country: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Giffard, W.: 2

Gilbert, G.

29 July 1946: Congo (Democratic Republic of the): Yangambi: RBINS: 1 [1 - **1** - **1**].
8 August 1946: Congo (Democratic Republic of the): Yangambi: RBINS: 1 [1] - Yangambi division forest: RMCA: 1 [1 - **2** - **2**].
10 November 1947: Congo (Democratic Republic of the): Yangambi: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Gilbert, G.: 4

Gill, Frank B.

2 June 1967: Réunion: Tévelave, above: UMMZ: 7 [7 - **7** - **7**].
20 June 1967: Réunion: Réunion Island: ROM: 1 [1 - **1** - **1**].

Total Specimens for Gill, Frank B.: 8

Gillet, Hubert

Collection Date Unknown: Central African Republic: La Landjia: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Gillet, Hubert: 1

Gilson, Georges

Collection Date Unknown: Congo (Democratic Republic of the): Mayumbe: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Gilson, Georges: 2

Ginn, P.J.G.

24 February 1970: Zimbabwe: Peterhouse School: NHMZ: 1 [1 - **1** - **1**].
10 March 1970: Zimbabwe: Peterhouse School: NHMZ: 1 [1 - **1** - **1**].
21 December 1970: Zimbabwe: Peterhouse School: NHMZ: 1 [1 - **1** - **1**].
12 December 1971: South Africa: Makalali: TM: 1 [1 - **1** - **1**].
4 May 1977: South Africa: The Downs: TM: 1 [1 - **1** - **1**].
8 December 1978: South Africa: Barberton [=Umhlumna]: TM: 2 [2 - **2** - **2**].

Total Specimens for Ginn, P.J.G.: 7

Gizya, E.Z.S.

23 November 1920: Egypt: Gizeh: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Gizya, E.Z.S.: 1

Glanville, R.R.

29 July 1938: Sierra Leone: Rokupr: BMNH: 1 [1 - **1** - **1**].
10 September 1938: Sierra Leone: Petifu: BMNH: 2 [2 - **2** - **2**].
15 February 1939: Sierra Leone: Makeni: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Glanville, R.R.: 4

Glaser

13 October 1962: Egypt: Denderah [=Dandarah]: SMF: 1 [1 - **1** - **1**].

Total Specimens for Glaser: 1

Glauning

Collection Date Unknown: "Africa": Eastern Africa: ZMB: 1 [1 - **1**].
Cameroon: Bamenda: ZMB: 1 [1] - Bana: ZMB: 1 [1] - Banjun: ZMB: 2 [2 - **4**].
Namibia: Nassengehöhle: ZMB: 1 [1 - **1**].
Tanzania: Unknown locality: ZMB: 1 [1] - Konongo: ZMB: 4 [4] - Muanibunge: ZMB: 1 [1 - **6** - **12**].

Total Specimens for Glauning: 12

Gleim

Collection Date Unknown: Angola: Luanda: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Gleim: 1

Glen, Robert M.

Collection Date Unknown: Cameroon: Ayos Road, Mvoutesi II [= MVE II]: ROM: 4 [4] - CDC Rest House: ROM: 1 [1] - Kribi: ROM: 1 [1] - Kribi, 7 mi N: ROM: 1 [1] - Victoria: ROM: 1 [1 - **8**].
Kenya: Unknown locality: ROM: 1 [1] - Kapenguria: ROM: 1 [1] - Kisumu: ROM: 12 [12] - Rondo forest: ROM: 13 [13 - **27**].
Uganda: Bwindi Swamp: LACM: 4 [4] - Mongiro: LACM: 2 [2] - Ntandi: LACM: 3 [3] - Ruhizha area: LACM: 2 [2 - **11** - **46**].
22 May 1960: Kenya: Rumuruti: ROM: 1 [1 - **1** - **1**].
25 January 1966: Uganda: Toro: ROM: 6 [6 - **6** - **6**].
4 March 1967: Kenya: Kakamega forest: ROM: 1 [1 - **1** - **1**].
20 March 1967: Uganda: Bwindi Swamp: LACM: 8 [8 - **8** - **8**].
1 September 1968: Kenya: Kakamega Forest: ROM: 105 [105] - Kitale: ROM: 1 [1 - **106** - **106**].
26 November 1968: Uganda: Bundimusuba: LACM: 1 [1 - **1** - **1**].
4 June 1969: Uganda: Itama Mine area: LACM: 3 [3 - **3** - **3**].
21 June 1969: Uganda: Itama area: LACM: 1 [1 - **1** - **1**].
23 August 1969: Cameroon: Meanja: ROM: 3 [3] - Muyuka [= Muea]: ROM: 3 [3 - **6** - **6**].
26 August 1969: Cameroon: Meanja: ROM: 3 [3 - **3** - **3**].
31 August 1969: Cameroon: Ayos, near: ROM: 2 [2 - **2** - **2**].
3 September 1969: Cameroon: De Somo, Bamenda road: ROM: 3 [3 - **3** - **3**].
5 September 1969: Cameroon: Bamenda: ROM: 1 [1 - **1** - **1**].
11 September 1969: Cameroon: Kribi: ROM: 9 [9 - **9** - **9**].
31 October 1969: Uganda: Kalinzu Forest: LACM: 3 [3 - **3** - **3**].
23 February 1971: Tanzania: Zanzibar Town: ROM: 4 [4] - Zanzibar Town, 36 mi [= 58 km] S: ROM: 30 [30 - **34** - **34**].
1 December 1971: Kenya: Rondo forest: ROM: 21 [21 - **21** - **21**].
1 February 1972: Kenya: Rondo forest: ROM: 1 [1 - **1** - **1**].
1 January 1973: Kenya: Endebess: ROM: 15 [15] - Kakamega Forest: ROM: 21 [21] - Kapenguria: ROM: 2 [2 - **38** - **38**].
20 August 1973: Kenya: Shimoni: ROM: 4 [4 - **4** - **4**].
29 August 1973: Kenya: Shimoni: ROM: 4 [4 - **4** - **4**].
27 November 1973: Kenya: Rondo forest: ROM: 14 [14 - **14** - **14**].

Total Specimens for Glen, Robert M.: 316

Glen, Robert M.; Ngam, V.N.

Collection Date Unknown: Cameroon: Lomié: ROM: 1 [1] - Njombo River: ROM: 1 [1 - **2** - **2**].
13 February 1970: Cameroon: Sou Mou River: ROM: 1 [1 - **1** - **1**].
1 June 1970: Cameroon: Njombo River: ROM: 1 [1 - **1** - **1**].
13 June 1970: Cameroon: Njombo River: ROM: 38 [38 - **38** - **38**].
14 June 1970: Cameroon: Lomié: ROM: 1 [1 - **1** - **1**].
15 June 1970: Cameroon: Lomié: ROM: 1 [1 - **1** - **1**].
16 June 1970: Cameroon: Lomié: ROM: 8 [8 - **8** - **8**].
17 June 1970: Cameroon: Lomié: ROM: 1 [1] - Lomié, 4 km from: ROM: 1 [1 - **2** - **2**].
18 June 1970: Cameroon: Lomié, 40 km N: ROM: 10 [10 - **10** - **10**].
19 June 1970: Cameroon: Lomié, 40 km N: ROM: 6 [6] - Njombo River: ROM: 2 [2 - **8** - **8**].
20 June 1970: Cameroon: Njombo River: ROM: 22 [22 - **22** - **22**].
21 June 1970: Cameroon: Njombo River: ROM: 27 [27 - **27** - **27**].
22 June 1970: Cameroon: Njombo River: ROM: 5 [5 - **5** - **5**].

Total Specimens for Glen, Robert M.; Ngam, V.N.: 126

Glen, Robert M.; Williams, A.

27 March 1967: Uganda: Luhiza Mine: LACM: 3 [3 - **3** - **3**].
5 June 1967: Uganda: Nyabitaba Hut: LACM: 1 [1 - **1** - **1**].
16 June 1967: Uganda: Bwamba Forest, Ntandi: LACM: 2 [2 - **2** - **2**].
19 June 1967: Uganda: Bwamba Forest, Ntandi: LACM: 1 [1 - **1** - **1**].

Total Specimens for Glen, Robert M.; Williams, A.: 7

Glover, E.C.

3 August 1963: Kenya: Kedong Valley: ROM: 1 [1] - Mount Suswa cave: USNM: 3 [3 - **4** - **4**].
5 August 1963: Kenya: Mount Suswa: ROM: 1 [1] - Mount Suswa cave: ROM: 6, USNM: 3 [9 - **10** - **10**].

Total Specimens for Glover, E.C.: 14

Glover, P.E.

28 August 1946: Somalia: Burao: MCZ: 1 [1 - **1** - **1**].
7 July 1963: Kenya: Sultan Hamud: USNM: 1 [1 - **1** - **1**].
25 July 1963: Kenya: Athi river: USNM: 1 [1 - **1** - **1**].

5 August 1963: Kenya: Mount Suswa cave: USNM: 5 [5 - **5** - **5**].

Total Specimens for Glover, P.E.: 8

GNB

14 March 1988: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for GNB: 1

Godeffroy Museum, The

Collection Date Unknown: Madagascar: Unknown locality: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Godeffroy Museum, The: 1

Godfrey, R.

Collection Date Unknown: South Africa: Pirie, Pirie Mission: SAMC: 7 [7 - **7** - **7**].

Total Specimens for Godfrey, R.: 7

Goepel, U.

1 August 1964: Congo (Democratic Republic of the): Lwiro: ZMZ: 1 [1 - **1** - **1**].
8 August 1964: Congo (Democratic Republic of the): Lwiro: ZMZ: 2 [2 - **2** - **2**].
25 August 1964: Rwanda: Uwinka: ZMZ: 1 [1 - **1** - **1**].
31 October 1964: Rwanda: Mimuli: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for Goepel, U.: 5

Golenvaux

Collection Date Unknown: Congo (Democratic Republic of the): Thysville, cave: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Golenvaux: 1

Gomez, Ramon

3 April 1887: Canary Islands (Spain): Orotava: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Gomez, Ramon: 1

Good, A.I.

Collection Date Unknown: Cameroon: Batanga: CM: 1 [1] - Lolodorf: CM: 2 [2] - Sangmelima: CM: 3 [3 - **6** - **6**].
8 October 1913: Cameroon: Lolodorf: CM: 1 [1 - **1** - **1**].
4 June 1914: Cameroon: Lolodorf: CM: 1 [1 - **1** - **1**].
20 August 1920: Cameroon: Lolodorf: CM: 2 [2 - **2** - **2**].
9 December 1922: Cameroon: Lolodorf: CM: 1 [1 - **1** - **1**].
31 December 1924: Cameroon: Lolodorf: MCZ: 1 [1 - **1** - **1**].
26 September 1927: Cameroon: Lolodorf: CM: 1 [1 - **1** - **1**].
3 April 1931: Cameroon: Batanga: CM: 1 [1 - **1** - **1**].
30 March 1933: Cameroon: Sangmelima: MCZ: 1 [1 - **1** - **1**].
14 May 1933: Cameroon: Sangmelima: CM: 1 [1 - **1** - **1**].
22 May 1933: Cameroon: Sangmelima: CM: 1 [1 - **1** - **1**].
6 February 1934: Cameroon: Sangmelima: MCZ: 1 [1 - **1** - **1**].
3 May 1934: Cameroon: Sangmelima: CM: 1 [1 - **1** - **1**].
15 August 1934: Cameroon: Sangmelima: MCZ: 1 [1 - **1** - **1**].
17 August 1934: Cameroon: Sangmelima: MCZ: 1 [1 - **1** - **1**].
28 January 1936: Cameroon: Lolodorf: CM: 2 [2 - **2** - **2**].
15 October 1937: Cameroon: Lolodorf: CM: 1 [1 - **1** - **1**].
8 April 1938: Cameroon: Lolodorf: CM: 1 [1 - **1** - **1**].
2 August 1938: Cameroon: Lolodorf: CM: 1 [1 - **1** - **1**].
15 August 1938: Cameroon: Lolodorf: CM: 1 [1 - **1** - **1**].
10 September 1938: Cameroon: Lolodorf: MCZ: 1 [1 - **1** - **1**].
15 September 1952: Cameroon: Ebolowa: FMNH: 1 [1 - **1** - **1**].
5 November 1952: Cameroon: Ebolowa: FMNH: 5 [5 - **5** - **5**].
18 November 1952: Cameroon: Ebolowa: FMNH: 1 [1 - **1** - **1**].
29 December 1952: Cameroon: Ebolowa: FMNH: 1 [1 - **1** - **1**].
30 December 1952: Cameroon: Ebolowa: FMNH: 1 [1 - **1** - **1**].
16 January 1953: Cameroon: Ebolowa: FMNH: 2 [2 - **2** - **2**].
9 February 1953: Cameroon: Ebolowa: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Good, A.I.: 40

Goodman, K.P.

25 July 1995: South Africa: Mkuzi Game Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Goodman, K.P.: 1

Goodman, P.S.

18 June 1991: South Africa: Mantuma Camp: DNSM: 1 [1 - **1** - **1**].
2 March 1992: South Africa: Mkuzi Game Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Goodman, P.S.: 2

Goodman, Steven M.

Collection Date Unknown: Comoros: Unknown locality: FMNH: 9 [9 - **9**].
Egypt: Kharga Oasis, Temple of Hibis: UMMZ: 1 [1 - **1**].
Madagascar: Unknown locality: FMNH: 11, UADBA: 11 [22] - Ambinda: UADBA: 1 [1] - Ambohitantely: UADBA: 2 [2] - Anjozorobe, 13 km SE: NMV: 5 [5] - Fandanana: UADBA: 3 [3] - Grotte de Bekapity: UADBA: 5 [5] - Nosy Be: UADBA: 5 [5] - Nosy Komba: UADBA: 4 [4] - Ranohira, 3.8 km NW: UADBA: 1 [1] - Sarodrano: UADBA: 1 [1] - Tsimanampetsotsa: UADBA: 2 [2] - Tsinjoarivo, 10 km SE: UADBA: 2 [2] - Unknown locality: UADBA: 2 [2] - unspecified locality: FMNH: 2 [2 - **57** - **67**].
21 March 1984: Egypt: Dakhla Oasis: UMMZ: 1 [1 - **1** - **1**].
24 March 1984: Egypt: Kharga Oasis, Temple of Hibis: UMMZ: 5 [5 - **5** - **5**].
7 April 1984: Egypt: West Bank, Valley of the Kings, Tomb of Hutschepsut: UMMZ: 13 [13 - **13** - **13**].
25 January 1985: Egypt: Abu Zenima, 18 km N, 4 km from sea: UMMZ: 2 [2 - **2** - **2**].
1 April 1985: Egypt: Bir Abu Saafa: UMMZ: 1 [1 - **1** - **1**].
9 November 1989: Madagascar: Manantenina, 14 km N by road: USNM: 2 [2 - **2** - **2**].
1 July 1991: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
3 July 1991: Tanzania: Ambangulu Estate: FMNH: 12 [12] - Korogwe, 12.5 km NW: FMNH: 2 [2 - **14** - **14**].
4 July 1991: Tanzania: Ambangulu Estate: FMNH: 5 [5] - Korogwe, 12.5 km NW: FMNH: 2 [2 - **7** - **7**].
5 July 1991: Tanzania: Ambangulu Estate: FMNH: 3 [3] - Korogwe, 12.5 km NW: FMNH: 1 [1 - **4** - **4**].
7 July 1991: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
13 July 1991: Tanzania: Ambangulu Estate: FMNH: 4 [4 - **4** - **4**].
15 July 1991: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
20 July 1991: Tanzania: Ambangulu Estate: FMNH: 2 [2 - **2** - **2**].
22 July 1991: Tanzania: Ambangulu Estate: FMNH: 2 [2 - **2** - **2**].
23 July 1991: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
26 July 1991: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
28 July 1991: Tanzania: Ambangulu Estate: FMNH: 3 [3 - **3** - **3**].
29 July 1991: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
5 August 1991: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
8 August 1991: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 2 [2 - **2** - **2**].
9 August 1991: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
11 July 1992: Tanzania: Tanga: FMNH: 1 [1 - **1** - **1**].
27 July 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 2 [2 - **2** - **2**].
28 July 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
30 July 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
2 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
4 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 4 [4 - **4** - **4**].
5 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 13 [13 - **13** - **13**].
9 August 1992: Tanzania: Bulwa Tea Estate: FMNH: 2 [2 - **2** - **2**].
10 August 1992: Tanzania: Bulwa Tea Estate: FMNH: 5 [5 - **5** - **5**].
11 August 1992: Tanzania: Bulwa Tea Estate: FMNH: 1 [1 - **1** - **1**].
14 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
16 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 5 [5 - **5** - **5**].
17 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 2 [2 - **2** - **2**].
23 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 2 [2 - **2** - **2**].
29 August 1992: Tanzania: Ambangulu Estate: FMNH: 3 [3 - **3** - **3**].
30 August 1992: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
31 August 1992: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
1 September 1992: Tanzania: Ambangulu Estate: FMNH: 5 [5] - Korogwe, 12.5 km NW: FMNH: 2 [2 - **7** - **7**].
2 September 1992: Tanzania: Ambangulu Estate: FMNH: 9 [9] - Korogwe, 12.5 km NW: FMNH: 1 [1 - **10** - **10**].
18 April 1993: Madagascar: Zombitsy forest: FMNH: 1 [1 - **1** - **1**].
17 July 1993: Tanzania: Kanza village, near: FMNH: 10 [10] - Lugulu Village, near: FMNH: 3 [3 - **13** - **13**].
18 July 1993: Tanzania: Bombo, 7 km S: FMNH: 3 [3 - **3** - **3**].
19 July 1993: Tanzania: Bombo, 7 km S: FMNH: 27 [27 - **27** - **27**].
20 July 1993: Tanzania: Bombo, 7 km S: FMNH: 9 [9 - **9** - **9**].
21 July 1993: Tanzania: Bombo, 7 km S: FMNH: 3 [3 - **3** - **3**].
22 July 1993: Tanzania: Bombo, 7 km S: FMNH: 4 [4 - **4** - **4**].
30 July 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
31 July 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
1 August 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 3 [3 - **3** - **3**].
2 August 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].

3 August 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
4 August 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 2 [2 - **2** - **2**].
5 August 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
7 August 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 2 [2 - **2** - **2**].
8 August 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
4 February 1998: Gabon: Projet OIBT trail: FMNH: 1 [1 - **1** - **1**].
9 February 1998: Gabon: Projet OIBT trail: FMNH: 1 [1 - **1** - **1**].
10 February 1998: Gabon: Projet OIBT trail: FMNH: 2 [2 - **2** - **2**].
13 February 1998: Gabon: Projet OIBT trail: FMNH: 2 [2 - **2** - **2**].
19 August 1999: Madagascar: Fianarantsoa province: FMNH: 1 [1 - **1** - **1**].
25 February 2000: Gabon: Moukalaba Reserve: FMNH: 2 [2 - **2** - **2**].
26 February 2000: Gabon: Moukalaba Reserve: FMNH: 4 [4 - **4** - **4**].
27 February 2000: Gabon: Moukalaba Reserve: FMNH: 4 [4 - **4** - **4**].
28 February 2000: Gabon: Moukalaba Reserve: FMNH: 1 [1 - **1** - **1**].
1 March 2000: Gabon: Moukalaba Reserve: FMNH: 2 [2 - **2** - **2**].
7 March 2000: Gabon: Mount Doudou fauna exploitation area: FMNH: 1 [1 - **1** - **1**].
8 March 2000: Gabon: Mount Doudou fauna exploitation area: FMNH: 1 [1 - **1** - **1**].
10 March 2000: Gabon: Mount Doudou fauna exploitation area: FMNH: 1 [1 - **1** - **1**].
15 March 2000: Gabon: Mount Doudou fauna exploitation area: FMNH: 4 [4 - **4** - **4**].
18 March 2000: Gabon: Mount Doudou fauna exploitation area: FMNH: 1 [1 - **1** - **1**].
19 March 2000: Gabon: Mount Doudou fauna exploitation area: FMNH: 2 [2 - **2** - **2**].
22 January 2001: Madagascar: Grotte d'Andrafiabe, forêt près: FMNH: 1 [1 - **1** - **1**].
23 January 2001: Madagascar: Grotte d'Andrafiabe, forêt près: FMNH: 1 [1 - **1** - **1**].
2 March 2002: Madagascar: Mitoho Cave, near: FMNH: 1 [1 - **1** - **1**].
9 October 2002: Madagascar: Andranomavo, 26 km NW: FMNH: 1 [1 - **1** - **1**].
4 December 2002: Madagascar: Canyon des Singes: FMNH: 1 [1 - **1** - **1**].
9 December 2002: Madagascar: Berenty-Betsileo, 28 km SE: FMNH: 10 [10] - Sahanafa River, along: FMNH: 1 [1 - **11** - **11**].
23 March 2003: Madagascar: unnamed cave: FMNH: 6 [6 - **6** - **6**].
26 March 2003: Madagascar: Station Forestière d'Antsampandrano: FMNH: 15 [15 - **15** - **15**].
18 April 2003: Madagascar: Station Forestière d'Ampijoroa, Jardin Botanique: FMNH: 1 [1 - **1** - **1**].
1 February 2005: Madagascar: Androimpano Cave: FMNH: 1 [1 - **1** - **1**].
23 February 2005: Madagascar: Androimpano caves: FMNH: 1 [1 - **1** - **1**].
19 October 2005: Madagascar: Andranomanitsy Forest: SMG: 15 [15 - **15** - **15**].
20 October 2005: Madagascar: Andranomanitsy Forest: AMNH: 1, SMG: 3 [4 - **4** - **4**].
28 September 2006: Réunion: Sainte Clotilde: FMNH: 2 [2 - **2** - **2**].
14 November 2006: Comoros: Moroni oasis: FMNH: 7 [7 - **7** - **7**].
16 November 2006: Comoros: Nyamaoui Panga [= Panga Chilamouinani]: FMNH: 9 [9 - **9** - **9**].
20 November 2006: Comoros: Patsi: FMNH: 5 [5 - **5** - **5**].
21 November 2006: Comoros: Grotte de Hamapoudre: FMNH: 4 [4] - Grotte de Mangamitsano, between Bambao and Col de Patsi: FMNH: 1 [1] - Patsi: FMNH: 4 [4 - **9** - **9**].
22 November 2006: Comoros: Grotte de Hapira, near Limbi along Trondroni River: FMNH: 1 [1 - **1** - **1**].
23 November 2006: Comoros: Chandra Primary School: FMNH: 17 [17 - **17** - **17**].
24 November 2006: Comoros: Ouani College: FMNH: 25 [25 - **25** - **25**].
26 November 2006: Comoros: between Moya and Pomoni, Bouélaouvanga Tunnel along RN 23: FMNH: 2 [2] - Chirove primary school: FMNH: 14 [14] - Moya primary school: FMNH: 8 [8 - **24** - **24**].
28 November 2006: Comoros: Fomboni: FMNH: 1 [1] - Fomboni Primary School: FMNH: 8 [8 - **9** - **9**].
29 November 2006: Comoros: Fomboni Primary School: FMNH: 12 [12 - **12** - **12**].
30 November 2006: Comoros: Ndrondroni: FMNH: 3 [3] - Ouallah II Public Primary School: FMNH: 13 [13 - **16** - **16**].
1 December 2006: Comoros: Nioumachoua Public Primary School: FMNH: 12 [12 - **12** - **12**].
2 December 2006: Comoros: Itsamia: FMNH: 2 [2] - Nioumachoua: FMNH: 1 [1] - Nioumachoua Public Primary School: FMNH: 7 [7 - **10** - **10**].
3 December 2006: Comoros: Bandakalala Cave: FMNH: 1 [1] - Itsamia: FMNH: 10 [10 - **11** - **11**].
6 December 2006: Comoros: Panga Milembeni: FMNH: 1 [1 - **1** - **1**].
1 January 2007: South Africa: Marloth Park: FMNH: 4 [4 - **4** - **4**].
2 January 2007: South Africa: Marloth Park: FMNH: 10 [10 - **10** - **10**].
3 January 2007: South Africa: Marloth Park: FMNH: 18 [18 - **18** - **18**].
4 January 2007: South Africa: Ingwenya Farm: FMNH: 7 [7] - Marloth Park: FMNH: 3 [3 - **10** - **10**].
20 February 2007: Madagascar: Cascade de Manantantely: FMNH: 1 [1 - **1** - **1**].
27 February 2007: Mayotte: Coconi: FMNH: 6 [6] - Poroani: FMNH: 1 [1 - **7** - **7**].
1 March 2007: Mayotte: Bouyouni: FMNH: 2 [2] - Longoni: FMNH: 1 [1] - Poroani: FMNH: 5 [5 - **8** - **8**].
19 March 2007: South Africa: Vredefort Dome World Heritage Site: FMNH: 5 [5 - **5** - **5**].
20 March 2007: South Africa: Vredefort Dome World Heritage Site: FMNH: 20 [20 - **20** - **20**].
21 March 2007: South Africa: Vredefort Dome World Heritage Site: FMNH: 15 [15 - **15** - **15**].
28 March 2007: Comoros: Moroni oasis: FMNH: 6 [6 - **6** - **6**].
29 March 2007: Comoros: Chamle Primary School: FMNH: 10 [10] - Hahaia Primary School: FMNH: 7 [7 - **17** - **17**].
31 March 2007: Comoros: Mohoro Cultural Center: FMNH: 7 [7 - **7** - **7**].
1 April 2007: Comoros: Dima Primary School: FMNH: 6 [6 - **6** - **6**].
2 April 2007: Comoros: Hahaia Primary School: FMNH: 1 [1 - **1** - **1**].
1 January 2012: Madagascar: Unknown locality: UADBA: 30 [30] - Ambovondramanesy: UADBA: 1 [1] - Ankililoaka: UADBA: 1 [1] - Ankily: UADBA: 1 [1] - Betioky Sud: UADBA: 1 [1] - Grotte d'Ambahibe: UADBA: 1 [1] - Grotte d'Ambatoharanana: UADBA: 2 [2] - Grotte d'Andranoilovy: UADBA: 3 [3] - Grotte d'Anjohikely: UADBA: 1 [1] - Grotte de Tanambao: UADBA: 1 [1] - Grotte de Vintane: UADBA: 1 [1] - Grotte des chauves-souris: UADBA: 5 [5] - Grotte des chauves-souris/makis: UADBA: 1 [1] - Grotte du troisième canyon: UADBA: 5 [5] - Mahabo: UADBA: 1 [1] - Marofandilia: UADBA: 3 [3] - Sakaraha: UADBA: 1 [1] - Tsimafana: UADBA: 1 [1 - **60** - **60**].
1 January 2013: Madagascar: Unknown locality: UADBA: 2 [2] - Ihosy: UADBA: 1 [1 - **3** - **3**].
1 January 2014: Madagascar: Grotte des chauves-souris: UADBA: 1 [1 - **1** - **1**].

Total Specimens for Goodman, Steven M.: 731

Goodman, Steven M.; Atkinson, R.

11 February 2005: Mauritius: Camp Thorel Cave: FMNH: 25 [25 - **25** - **25**].

Total Specimens for Goodman, Steven M.; Atkinson, R.: 25

Goodman, Steven M.; Florens, V.

11 January 2005: Mauritius: Kanaka Bat Cave: FMNH: 23 [23 - **23** - **23**].
11 June 2005: Mauritius: Caverne Trois Bras: FMNH: 19 [19] - Twilight Cave: FMNH: 23 [23 - **42** - **42**].
29 October 2006: Mauritius: Palma Cave: FMNH: 22 [22 - **22** - **22**].

Total Specimens for Goodman, Steven M.; Florens, V.: 87

Goodman, Steven M.; Monadjem, Ara

9 October 2010: Mozambique: Bamboo Inn: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Goodman, Steven M.; Monadjem, Ara: 2

Goodman, Steven M.; Probst, Jean-Michel

25 September 2006: Réunion: Pont de Balthazar: FMNH: 10 [10 - **10** - **10**].
26 September 2006: Réunion: Le Cap Méchant: FMNH: 4 [4] - Ravine des Trois Bassins: FMNH: 19 [19 - **23** - **23**].

Total Specimens for Goodman, Steven M.; Probst, Jean-Michel: 33

Goodman, Steven M.; Ramasindrazana, Beza

Collection Date Unknown: Madagascar: Brickaville, 9.5 km W: FMNH: 1 [1] - Foret de Sahafina: FMNH: 3 [3 - **4** - **4**].
7 April 2014: Madagascar: Grotte des chauves-souris: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Goodman, Steven M.; Ramasindrazana, Beza: 5

Goodman, Steven M.; Ratrimomanarivo, Fania H.

Collection Date Unknown: Madagascar: Marovaza: FMNH: 2 [2 - **2** - **2**].
11 December 2004: Madagascar: Marovaza: FMNH: 1 [1 - **1** - **1**].
21 April 2005: Madagascar: Marovaza: FMNH: 2 [2 - **2** - **2**].
25 September 2005: Madagascar: FOFIFA Station: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Goodman, Steven M.; Ratrimomanarivo, Fania H.: 7

Goodman, Steven M.; Razolozaka, I.N.

17 April 1993: Madagascar: unspecified locality: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Goodman, Steven M.; Razolozaka, I.N.: 1

Goodman, Steven M.; Ruedi, Manuel; Weyeneth, N.

25 November 2007: Madagascar: along Androka River: FMNH: 1 [1 - **1** - **1**].
9 December 2007: Madagascar: Foret de Sahafina: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Goodman, Steven M.; Ruedi, Manuel; Weyeneth, N.: 2

Goodman, Steven M.; Schoeman, M. Corrie

Collection Date Unknown: Madagascar: Ambatoharanana cave: FMNH: 5 [5 - **5** - **5**].
2 November 2010: Madagascar: Ambatoharanana cave: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Goodman, Steven M.; Schoeman, M. Corrie: 6

Goodman, Steven M.; Schoeman, M. Corrie; Le Minter, Gildas

2 May 2015: Mozambique: Chihalatan cave: FMNH: 6 [6] - Malashane cave: FMNH: 23 [23 - **29** - **29**].

Total Specimens for Goodman, Steven M.; Schoeman, M. Corrie; Le Minter, Gildas: 29

Goodman, Steven M.; Stanley, William T. [=Bill]

14 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
4 August 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Goodman, Steven M.; Stanley, William T. [=Bill]: 2

Goodwin, George G.

26 April 1938: Kenya: Voi: AMNH: 3 [3 - **3** - **3**].
27 April 1938: Kenya: Voi: AMNH: 1 [1 - **1** - **1**].
28 April 1938: Kenya: Voi: AMNH: 3 [3 - **3** - **3**].
29 April 1938: Kenya: Voi: AMNH: 2 [2 - **2** - **2**].
30 April 1938: Kenya: Voi: AMNH: 3 [3 - **3** - **3**].
1 May 1938: Kenya: Voi: AMNH: 17 [17 - **17** - **17**].
2 May 1938: Kenya: Voi: AMNH: 7 [7 - **7** - **7**].
5 May 1938: Kenya: Kiabasi: AMNH: 1 [1 - **1** - **1**].
6 May 1938: Kenya: Kiabasi: AMNH: 2 [2 - **2** - **2**].
9 May 1938: Kenya: Kiabasi: AMNH: 1 [1 - **1** - **1**].
18 May 1938: Kenya: Voi: AMNH: 1 [1 - **1** - **1**].
27 May 1938: Kenya: Moctow, 50 mi S [=Maktau, 50 mi S]: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Goodwin, George G.: 42

Goodwin, Robert E.

10 July 1984: Botswana: Xugana Island: AMNH: 1 [1] - Xugana Island, Splash Camp: AMNH: 5 [5 - **6** - **6**].
15 July 1984: Botswana: Xugana Island: AMNH: 7 [7 - **7** - **7**].
18 July 1984: Botswana: Xugana Island: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Goodwin, Robert E.: 15

Göpfert, M.; Ludwar, B.

11 January 1996: Madagascar: Unknown locality: SMF: 1 [1 - **1** - **1**].

Total Specimens for Göpfert, M.; Ludwar, B.: 1

Gordon

25 August 1985: South Africa: Pigeon Valley: TM: 1 [1 - **1** - **1**].

Total Specimens for Gordon: 1

Gotsch

Collection Date Unknown: Algeria: Algiers: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Gotsch: 1

Götze

Collection Date Unknown: "Africa": Ukuguru: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Götze: 1

Goudswaard, P.C. [Kees]

2 March 1984: Tanzania: Nyegezi: ZMA: 1 [1 - **1** - **1**].
1 January 1985: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
10 February 1985: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
11 February 1985: Tanzania: Mwanza: ZMA: 3 [3 - **3** - **3**].
13 February 1985: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
17 February 1985: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
18 February 1985: Tanzania: Mwanza: ZMA: 2 [2 - **2** - **2**].
19 February 1985: Tanzania: Mwanza: ZMA: 4 [4 - **4** - **4**].
20 February 1985: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
21 February 1985: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
22 February 1985: Tanzania: Mwanza: ZMA: 2 [2 - **2** - **2**].
24 February 1985: Tanzania: Mwanza: ZMA: 3 [3 - **3** - **3**].
26 February 1985: Tanzania: Mwanza: ZMA: 3 [3 - **3** - **3**].
3 March 1985: Tanzania: Mwanza: ZMA: 2 [2 - **2** - **2**].
11 March 1985: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
15 March 1985: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
16 March 1985: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
17 March 1985: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
26 March 1985: Tanzania: Mwanza: ZMA: 6 [6 - **6** - **6**].

24 August 1985: Tanzania: Kibarra: ZMA: 1 [1 - **1** - **1**].
25 August 1985: Tanzania: Kibarra: ZMA: 7 [7 - **7** - **7**].
26 August 1985: Tanzania: Kibarra: ZMA: 1 [1 - **1** - **1**].
10 February 1987: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
11 February 1987: Tanzania: Nyegezi: ZMA: 1 [1 - **1** - **1**].
18 February 1987: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
22 March 1987: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
28 October 1988: Tanzania: Nyegezi: ZMA: 3 [3 - **3** - **3**].

Total Specimens for Goudswaard, P.C. [Kees]: 52

Gould, E.

27 April 1967: Madagascar: Analamazaotra forest, Périnet: ROM: 1 [1 - **1** - **1**].
8 May 1967: Madagascar: Antsingy Forest: ROM: 1 [1 - **1** - **1**].

Total Specimens for Gould, E.: 2

Goussard, S.W.

Collection Date Unknown: Botswana: Sepopa: USNM: 1 [1] - Shakawe: USNM: 4 [4 - **5**].
Zimbabwe: Henderson Research Station: USNM: 1 [1 - **1** - **6**].
18 April 1967: Botswana: Sepopa: USNM: 1 [1 - **1** - **1**].
26 April 1967: Botswana: Tsodilo Hills: USNM: 4 [4 - **4** - **4**].
27 April 1967: Botswana: Tsodilo Hills: USNM: 1 [1 - **1** - **1**].
1 May 1967: Botswana: Tsodilo Hills: USNM: 3 [3 - **3** - **3**].
5 May 1967: Botswana: Shakawe: USNM: 1 [1 - **1** - **1**].
6 May 1967: Botswana: Shakawe: USNM: 1 [1 - **1** - **1**].
10 May 1967: Botswana: Shakawe: USNM: 1 [1 - **1** - **1**].
23 May 1967: Botswana: Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S: USNM: 1 [1 - **1** - **1**].
24 May 1967: Botswana: Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S: USNM: 2 [2 - **2** - **2**].
28 May 1967: Botswana: Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S: USNM: 17 [17 - **17** - **17**].
29 May 1967: Botswana: Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S: USNM: 4 [4 - **4** - **4**].
8 June 1967: Botswana: Drotsky's [= Drodsky] Caves: USNM: 103 [103 - **103** - **103**].
22 June 1967: Botswana: Nokaneng, 15 mi N: USNM: 1 [1 - **1** - **1**].
24 June 1967: Botswana: Nokaneng, 15 mi N: USNM: 1 [1 - **1** - **1**].
25 June 1967: Botswana: Nokaneng, 15 mi N: USNM: 3 [3 - **3** - **3**].
8 July 1967: Botswana: Drotsky's [= Drodsky] Caves: USNM: 1 [1 - **1** - **1**].
13 October 1967: Zimbabwe: Henderson Research Station: USNM: 1 [1 - **1** - **1**].
16 November 1967: Zimbabwe: Martin Forest Reserve: USNM: 1 [1 - **1** - **1**].
17 November 1967: Zimbabwe: Martin Forest Reserve: USNM: 2 [2 - **2** - **2**].
26 November 1967: Zimbabwe: Ngorima Reserve: USNM: 10 [10 - **10** - **10**].
1 December 1967: Zimbabwe: Ngorima Reserve: USNM: 1 [1 - **1** - **1**].
10 December 1967: Zimbabwe: Kyle Game Reserve: USNM: 2 [2 - **2** - **2**].
11 December 1967: Zimbabwe: Kyle Game Reserve: USNM: 1 [1 - **1** - **1**].
12 December 1967: Zimbabwe: Kyle Game Reserve: USNM: 1 [1 - **1** - **1**].
16 December 1967: Zimbabwe: Kyle Game Reserve: USNM: 8 [8 - **8** - **8**].

Total Specimens for Goussard, S.W.: 178

Govt. Agent, Kota-Kota

Collection Date Unknown: Malawi: Kota Kota: NHMZ: 7 [7 - **7** - **7**].
10 March 1964: Malawi: Kota Kota: BMNH: 46 [46 - **46** - **46**].

Total Specimens for Govt. Agent, Kota-Kota: 53

Gow, C.

Collection Date Unknown: South Africa: Middelburg: SAMC: 1 [1 - **1** - **1**].

Total Specimens for Gow, C.: 1

Graham, K.

Collection Date Unknown: South Africa: Grahamstown: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Graham, K.: 1

Graham, R.

1 January 1915: South Africa: Grahamstown: TM: 1 [1 - **1** - **1**].

Total Specimens for Graham, R.: 1

Grahamstown Museum, The

Collection Date Unknown: South Africa: Grahamstown: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Grahamstown Museum, The: 2

Grainger, W.E.

26 August 1965: Kenya: Murka mine: ROM: 2 [2 - **2** - **2**].

Total Specimens for Grainger, W.E.: 2

Granchi, E.

22 August 1962: Somalia: Eggi, 4 km S: MZUF: 1 [1 - **1** - **1**].

Total Specimens for Granchi, E.: 1

Granchi, E.; Lanza, Benedetto Giuseppe Antonio; Innoc…

4 August 1970: Somalia: Giohar: MZUF: 1 [1 - **1** - **1**].

Total Specimens for Granchi, E.; Lanza, Benedetto Giuseppe Antonio; Innoc…: 1

Grandidier Collection, The

Collection Date Unknown: "Africa": Riva, near: MCZ: 1 [1 - **1**].
Ethiopia: Warras: MCZ: 1 [1 - **1**].
Madagascar: Unknown locality: MCZ: 5, MNHN: 1 [6] - Andrahomana cave: MCZ: 3 [3] - Ankavandra, near: MCZ: 1 [1] - Great forest of the East [=Grande forêt de l'Est]: MCZ: 1 [1] - High Fanjahira, valley: MCZ: 1 [1] - Lower Fiherenana Valley: MCZ: 4 [4] - Mandritsara, N of: MCZ: 2 [2] - Sambirano River, lower: MCZ: 2 [2] - Tsiombe-Androy: MCZ: 1 [1 - **21**].
Uganda: Entebbe: MCZ: 1 [1 - **1** - **24**].
1 November 1894: Madagascar: Ambohimitombo [= Ambohimitombo]: MCZ: 1 [1 - **1** - **1**].
15 February 1895: Madagascar: Ambositra: MCZ: 1 [1 - **1** - **1**].
1 June 1895: Madagascar: Anibohimasina: MCZ: 1 [1 - **1** - **1**].
3 July 1895: Madagascar: Imasindrary [= Masindary]: MCZ: 1 [1 - **1** - **1**].
1 January 1901: Madagascar: Cape Saint Vincent: MCZ: 1 [1] - Cape Saint Vincent, near: MCZ: 1 [1] - West Coast: MCZ: 2 [2 - **4** - **4**].
1 June 1910: Madagascar: Rodo valley: MCZ: 1 [1 - **1** - **1**].
22 September 1910: Cameroon: Bitye: MCZ: 1 [1 - **1** - **1**].
1 January 1912: Madagascar: Lower Fiherenana Valley: MCZ: 1 [1 - **1** - **1**].
1 January 1913: Madagascar: Forêt d'Analalava: MCZ: 1 [1 - **1** - **1**].
1 January 1917: Madagascar: "probably côte est": MCZ: 2 [2] - Beforona: MCZ: 1 [1] - east coast of Madagascar: MCZ: 3 [3] - Great Forest: MCZ: 8 [8] - Great forest of the East: MCZ: 1 [1 - **15** - **15**].
28 August 1925: Madagascar: Vondrozo, cave N of: MCZ: 1 [1 - **1** - **1**].
1 January 1927: Madagascar: Fianarantsoa, near: MCZ: 1 [1] - Mandritsara, N of: MCZ: 2 [2 - **3** - **3**].
1 January 1928: Madagascar: Fort Carnot [=Ikongo]: MCZ: 1 [1 - **1** - **1**].
1 March 1928: Madagascar: Great Forest: MCZ: 1 [1 - **1** - **1**].
1 May 1928: Madagascar: Roqez, near: MCZ: 1 [1 - **1** - **1**].
1 July 1928: Madagascar: Brickaville District: MCZ: 1 [1 - **1** - **1**].
1 January 1929: Madagascar: Fort Carnot [=Ikongo]: MCZ: 1 [1 - **1** - **1**].
1 February 1930: Madagascar: Moramanga: MCZ: 3 [3 - **3** - **3**].
1 January 1932: Madagascar: High Fanjahira, valley: MCZ: 5 [5] - Tranoroa: MCZ: 1 [1] - Tsiombe-Androy: MCZ: 1 [1 - **7** - **7**].
1 March 1935: Congo (Democratic Republic of the): Kampala: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Grandidier Collection, The: 72

Grandidier Collection, The; de Kerveg, R.

Collection Date Unknown: Réunion: Réunion Island: MCZ: 6 [6 - **6** - **6**].

Total Specimens for Grandidier Collection, The; de Kerveg, R.: 6

Grandidier Collection, The; Decary, Raymond

Collection Date Unknown: Madagascar: Ambovombe: MCZ: 1 [1] - Andrahomana cave: MCZ: 3 [3] - Ankavandra, N of: MCZ: 4 [4] - Fort Dauphin: MCZ: 1 [1] - Fort Dauphin, near: MCZ: 2 [2] - Tananarive, near: MCZ: 1 [1 - **12** - **12**].

Total Specimens for Grandidier Collection, The; Decary, Raymond: 12

Grandidier, Alfred
(20 December 1836 - 13 September 1921)

Collection Date Unknown: Madagascar: Miari [probably Miary, near Tuléar]: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Grandidier, Alfred: 1

Grandidier, Guillaume
(1873 - 1957)

Collection Date Unknown: Madagascar: Unknown locality: MCZ: 1 [1 - **1** - **1**].
1 January 1864: Tanzania: Zanzibar: MNHN: 1 [1 - **1** - **1**].
19 May 1898: Madagascar: Grotte de Sarondrana [= Sarodrano]: MNHN: 9, MSNG: 2 [11] - Sarodrano caves: MNHN: 3 [3 - **14** - **14**].
1 June 1910: Madagascar: near Matsaborimanga, Ankarana, N of: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Grandidier, Guillaume: 17

Grandidier, Guillaume; l'Académie Malgache

1 January 1917: Madagascar: Eastern Madagascar: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Grandidier, Guillaume; l'Académie Malgache: 2

Grandison, Alice Georgie Cruickshank
(1927 -)

6 September 1962: Nigeria: Birninkudu: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Grandison, Alice Georgie Cruickshank: 1

Granger, W.E.

26 August 1965: Kenya: Murka Mine: WAM: 1 [1 - **1** - **1**].

Total Specimens for Granger, W.E.: 1

Granger, Walter

7 July 1963: Kenya: Ngombeni [caves]: USNM: 2 [2 - **2** - **2**].
12 July 1963: Kenya: Ngombeni [caves]: USNM: 3 [3] - Ngomeni: USNM: 1 [1 - **4** - **4**].
25 July 1963: Kenya: Moto cave: ROM: 3, USNM: 9 [12 - **12** - **12**].
26 July 1963: Kenya: Ngombeni [caves]: ROM: 1, USNM: 2 [3 - **3** - **3**].

Total Specimens for Granger, Walter: 21

Grant, Claude Henry Baxter
(1878 - 1958)

Collection Date Unknown: Mozambique: Tete: TM: 1 [1 - **1**].
Tanzania: Kasulu: BMNH: 1 [1 - **1** - **2**].
26 October 1904: South Africa: Ngoye hills: BMNH: 1 [1 - **1** - **1**].
3 April 1905: South Africa: Knysna: TM: 2 [2 - **2** - **2**].
22 July 1905: South Africa: Klein Letaba: TM: 1 [1 - **1** - **1**].

Total Specimens for Grant, Claude Henry Baxter: 6

Grant, Claude Henry Baxter; Rudd Expedition, The

17 November 1903: South Africa: Jususie valley [=Insuzi valley]: BMNH: 1 [1 - **1** - **1**].
2 September 1907: Mozambique: Tete: TM: 1 [1 - **1** - **1**].
6 April 1996: South Africa: Esperanza [=Beneva] Tunnel: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Grant, Claude Henry Baxter; Rudd Expedition, The: 3

Grant, Claude Henry Baxter; Rudd, C.D.

Collection Date Unknown: Mozambique: Tette: BMNH: 3 [3 - **3**].
South Africa: Insuzi river: BMNH: 1 [1 - **1** - **4**].
14 April 1903: South Africa: Klein Namaqualand, Klipfontein: BMNH: 1 [1 - **1** - **1**].
17 April 1903: South Africa: Klein Namaqualand, Klipfontein: BMNH: 1 [1 - **1** - **1**].
15 February 1904: South Africa: Eshowe: BMNH: 1 [1 - **1** - **1**].
3 August 1905: South Africa: Klein Letaba: BMNH: 2 [2 - **2** - **2**].
18 August 1905: South Africa: Klein Letaba: BMNH: 1 [1 - **1** - **1**].
24 September 1905: South Africa: Klein Letaba: BMNH: 1 [1 - **1** - **1**].
26 July 1906: Mozambique: Coguno: BMNH: 1 [1 - **1** - **1**].
28 July 1906: Mozambique: Coguno: BMNH: 1 [1 - **1** - **1**].
9 August 1906: Mozambique: Inhambane: BMNH: 1 [1 - **1** - **1**].
11 August 1906: Mozambique: Inhambane: BMNH: 1 [1 - **1** - **1**].

8 September 1906: Mozambique: Coguno: BMNH: 1 [1 - **1** - **1**].
8 May 1907: Mozambique: Tambarara: BMNH: 6 [6 - **6** - **6**].
10 September 1907: Mozambique: Tette: BMNH: 3 [3 - **3** - **3**].
23 August 1908: Mozambique: Tete: BMNH: 2 [2 - **2** - **2**].
24 August 1908: Mozambique: Coguno: BMNH: 1 [1 - **1** - **1**].
29 August 1908: Mozambique: Coguno: BMNH: 1 [1] - Tete: BMNH: 1 [1 - **2** - **2**].
13 September 1908: Mozambique: Tete: BMNH: 1 [1 - **1** - **1**].
14 September 1908: Mozambique: Tete: BMNH: 1 [1 - **1** - **1**].
10 December 1953: South Africa: Insuzi river: BMNH: 2 [2 - **2** - **2**].
11 December 1953: South Africa: Insuzi river: BMNH: 5 [5 - **5** - **5**].

Total Specimens for Grant, Claude Henry Baxter; Rudd, C.D.: 39

Grant, K.

10 March 1987: South Africa: Pilanesberg-NP: TM: 2 [2 - **2** - **2**].

Total Specimens for Grant, K.: 2

Graub

1 February 1910: Congo (Democratic Republic of the): Uvira: NMW: 1 [1 - **1** - **1**].

Total Specimens for Graub: 1

Grauer, Rudolf
(1870 -)

Collection Date Unknown: "Africa": Karagwa: ZMB: 6 [6 - **6**].
Burundi: Russissi, bank [=Rusizi delta]: ZMB: 2 [2 - **2**].
Congo (Democratic Republic of the): Baraka: ZMB: 1 [1] - Beni: NMW: 1 [1] - Kindu: ZMB: 1 [1] - lake Tanganyika, NW bank: ZMB: 1 [1] - Moera: NMW: 1 [1] - Rutshuru: NMW: 1 [1] - Ukaika: NMW: 5 [5] - Uvira: NMW: 2, ZMB: 4 [6 - **17**].
Tanzania: Tanganyika, lake: ZMB: 2 [2] - Usambara [mountains]: ZMB: 3 [3 - **5** - **30**].

Total Specimens for Grauer, Rudolf: 30

Grauer, Rudolf; Rolle, Hermann

Collection Date Unknown: Congo (Democratic Republic of the): Ruwenzori: ZMB: 1 [1 - **1**].
Uganda: Entebbe: ZMB: 2 [2 - **2** - **3**].

Total Specimens for Grauer, Rudolf; Rolle, Hermann: 3

Graupner, O.F.

19 January 1969: South Africa: Stolzenfels, Orange R: USNM: 2 [2 - **2** - **2**].
15 April 1969: South Africa: Buffelshoek Farm 446 KQ: USNM: 31 [31 - **31** - **31**].
16 April 1969: South Africa: Buffelshoek Farm 446 KQ: USNM: 5 [5 - **5** - **5**].
17 April 1969: South Africa: Buffelshoek Farm 446 KQ: USNM: 1 [1 - **1** - **1**].
22 April 1969: South Africa: Buffelshoek Farm 446 KQ: USNM: 11 [11] - Thabazimbi, 16 mi SE [=Waterval Farm]: USNM: 38 [38] - Thabazimbi, 20 km SE: USNM: 2 [2 - **51** - **51**].

Total Specimens for Graupner, O.F.: 90

Grauvet, R.

1 January 1941: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Grauvet, R.: 1

Gray, M.

1 January 1961: Tanzania: Unknown locality: MSB: 2 [2 - **2** - **2**].

Total Specimens for Gray, M.: 2

Great Abbai Expedition, The

Collection Date Unknown: Ethiopia: Unknown locality: BMNH: 47 [47 - **47** - **47**].

Total Specimens for Great Abbai Expedition, The: 47

Greaves; Richardson

20 December 1998: South Africa: Burman Bush Nature Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Greaves; Richardson: 1

Green, Arthur A.

Collection Date Unknown: Benin: Pendjari Park: ROM: 4 [4 - **4** - **4**].
9 July 1978: Benin: Pendjari Park: ROM: 1 [1 - **1** - **1**].
10 July 1978: Benin: Pendjari Park: ROM: 1 [1 - **1** - **1**].
11 July 1978: Benin: Pendjari Park: ROM: 1 [1 - **1** - **1**].
14 July 1978: Benin: Pendjari Park: ROM: 1 [1 - **1** - **1**].
20 July 1978: Benin: Pendjari Park: ROM: 2 [2 - **2** - **2**].
22 July 1978: Benin: Pendjari Park: ROM: 3 [3 - **3** - **3**].
23 July 1978: Benin: Pendjari Park: ROM: 1 [1 - **1** - **1**].

Total Specimens for Green, Arthur A.: 14

Green, R.

4 May 1994: South Africa: Tshokwane, 10 km S: KNP: 1 [1 - **1** - **1**].

Total Specimens for Green, R.: 1

Greenberg, Stuart N.

10 January 1958: Uganda: Katwe: CAS: 1 [1 - **1** - **1**].
14 July 1958: Uganda: Katwe: CAS: 1 [1 - **1** - **1**].
22 July 1958: Kenya: Molo river: CAS: 1 [1 - **1** - **1**].
18 August 1958: Kenya: Nairobi: CAS: 1 [1 - **1** - **1**].

Total Specimens for Greenberg, Stuart N.: 4

Grey, G.L.

31 October 1961: Zimbabwe: Southerton: ROM: 1 [1 - **1** - **1**].

Total Specimens for Grey, G.L.: 1

Greyling, A.

Collection Date Unknown: South Africa: Elandsklip, P.K. Santa: TM: 1 [1 - **1** - **1**].

Total Specimens for Greyling, A.: 1

Griesel, W.J.H.J.

1 June 1987: South Africa: Farm Katrina: TM: 1 [1 - **1** - **1**].

Total Specimens for Griesel, W.J.H.J.: 1

Griffin, M.R.

18 April 1975: Namibia: Autabib 100: LACM: 3 [3 - **3** - **3**].
17 September 1983: Namibia: Gam Waterhole: USNM: 5 [5 - **5** - **5**].

Total Specimens for Griffin, M.R.: 8

Griffin, M.R.; Wallis, V.

13 November 1983: Namibia: Dosa: USNM: 1 [1 - **1** - **1**].

Total Specimens for Griffin, M.R.; Wallis, V.: 1

Grimbeek, Anton

28 May 1984: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].

Total Specimens for Grimbeek, Anton: 1

Grimwood

Collection Date Unknown: Zambia: Lukanga Swamp: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Grimwood: 2

Grindley, J.

5 August 1956: South Africa: Table Mountain, Wynberg cave: TM: 1 [1 - **1** - **1**].

Total Specimens for Grindley, J.: 1

Grindly, J.R.

5 August 1956: South Africa: Table Mountain, Wynberg cave: TM: 2 [2 - **2** - **2**].

Total Specimens for Grindly, J.R.: 2

Groenewald

23 October 1978: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].

Total Specimens for Groenewald: 1

Groschaft, J.; Ryšavý, B.

19 July 1971: Egypt: Abu Rawash: NMP: 3 [3 - **3** - **3**].

Total Specimens for Groschaft, J.; Ryšavý, B.: 3

Grossmann, H.

29 August 1985: Tanzania: Mazumbai Forest Reserve: SMF: 1 [1 - **1** - **1**].

Total Specimens for Grossmann, H.: 1

Grote, Hermann
(1882 - 1951)

Collection Date Unknown: Tanzania: Mikindani: ZMB: 10 [10 - **10** - **10**].

Total Specimens for Grote, Hermann: 10

Grubb, Peter

7 November 1971: Ghana: Kwabenya: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Grubb, Peter: 1

Grützner

Collection Date Unknown: South Africa: Gerlachshoop: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Grützner: 1

Gruvel, Abel
(1870 - 1941)

9 May 1910: Congo (Democratic Republic of the): Banana: MNHN: 4 [4 - **4** - **4**].

Total Specimens for Gruvel, Abel: 4

Gruwell, J.A.

17 September 1971: Ghana: Accra, 9 mi [=14.5 km] NE: CM: 1 [1 - **1** - **1**].
23 October 1971: Côte d'Ivoire: Lakota, 15 km N: CM: 1 [1 - **1** - **1**].
31 October 1971: Côte d'Ivoire: Bouaké, 25 km N: CM: 1 [1 - **1** - **1**].
12 November 1971: Côte d'Ivoire: Abidjan, 15 km NW: CM: 1 [1 - **1** - **1**].
5 December 1971: Cameroon: Mamfe, 12 km SE: TTU: 4 [4 - **4** - **4**].
6 December 1971: Cameroon: Mamfe, 15 km SE: TTU: 8 [8 - **8** - **8**].
7 December 1971: Cameroon: Mamfe, 15 km SE: TTU: 2 [2 - **2** - **2**].
8 December 1971: Cameroon: Mamfe, 15 km SE: TTU: 1 [1 - **1** - **1**].
9 December 1971: Cameroon: Mamfe, 15 km SE: TTU: 3 [3 - **3** - **3**].
15 December 1971: Cameroon: Bamenda, 14 km E: TTU: 3 [3 - **3** - **3**].
16 December 1971: Cameroon: Bamenda, 14 km E: TTU: 3 [3 - **3** - **3**].
21 January 1972: Cameroon: Okola: TTU: 4 [4 - **4** - **4**].
22 January 1972: Cameroon: Okola: TTU: 1 [1 - **1** - **1**].
13 February 1972: Cameroon: Obala, 55 km NE: TTU: 1 [1 - **1** - **1**].
14 February 1972: Cameroon: Obala, 82 km NE: TTU: 2 [2 - **2** - **2**].

18 February 1972: Cameroon: Nanga-Eboko, 30 km E: TTU: 13 [13 - **13** - **13**].
19 February 1972: Cameroon: Nanga-Eboko, 30 km E: TTU: 3 [3 - **3** - **3**].
1 March 1972: Cameroon: Bertoua, 25 km NE: TTU: 3 [3 - **3** - **3**].
9 April 1972: Cameroon: Ngaoundéré, 14 km S: TTU: 2 [2 - **2** - **2**].
19 April 1972: Cameroon: Bertoua, 30 km W: TTU: 1 [1 - **1** - **1**].
20 April 1972: Cameroon: Bertoua, 30 km W: TTU: 12 [12 - **12** - **12**].
22 April 1972: Cameroon: Bertoua, 30 km W: TTU: 2 [2 - **2** - **2**].
18 November 1972: Cameroon: Eseka, 9 km N: TTU: 1 [1] - Eséka, 9 km N: TTU: 2 [2 - **3** - **3**].

Total Specimens for Gruwell, J.A.: 75

Guarre

Collection Date Unknown: Congo (Democratic Republic of the): Elizabethville: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Guarre: 1

Gueinzius

Collection Date Unknown: South Africa: Port Natal [=Durban]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Gueinzius: 1

Guilbormod, Jacot

15 November 1932: Lesotho: Teyateyaneng: TM: 2 [2 - **2** - **2**].

Total Specimens for Guilbormod, Jacot: 2

Guirol

Collection Date Unknown: Equatorial Guinea: Benito River: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Guirol: 1

Guissart, André
(1949 - 11 April 2002)

1 January 1972: Congo (Democratic Republic of the): Musingi: RMCA: 10 [10 - **10** - **10**].

Total Specimens for Guissart, André: 10

Gulliver, J.

Collection Date Unknown: Mauritius: Rodrigues: BMNH: 3 [3] - Rodrigues Island: BMNH: 1, SMF: 1 [2 - **5** - **5**].

Total Specimens for Gulliver, J.: 5

Gunning, A.

Collection Date Unknown: Tanzania: Pemba island: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Gunning, A.: 3

Gustin, Gustave
(1867: Linière - 1911: Pania Mutombo)

1 October 1945: Congo (Democratic Republic of the): Inongo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Gustin, Gustave: 1

Gutteling

15 April 1970: South Africa: Ndumu Game Reserve: TM: 2 [2 - **2** - **2**].

Total Specimens for Gutteling: 2

Guy, G.L.

9 July 1961: Zimbabwe: Penrose Farm, Mvurwi: USNM: 1 [1 - **1** - **1**].
7 September 1961: Zimbabwe: Chinoyi, Orchid Cave: USNM: 1 [1 - **1** - **1**].
31 October 1961: Zimbabwe: Salisbury: ROM: 1 [1] - Southerton: FMNH: 2, USNM: 1 [3 - **4** - **4**].
20 August 1962: Zimbabwe: Zambesi-Chewore junction: HZM: 1 [1 - **1** - **1**].
24 August 1962: Zimbabwe: Zambezi-Cherowe Junction: HZM: 1 [1 - **1** - **1**].

Total Specimens for Guy, G.L.: 8

Guyton, Jennifer Anna

21 April 2013: Mozambique: Gorge Rim, Site 1: TM: 1 [1 - **1** - **1**].
24 April 2015: Mozambique: Bunga Inselberg: DNSM: 5 [5 - **5** - **5**].
25 April 2015: Mozambique: Bunga Inselberg: DNSM: 1 [1 - **1** - **1**].
2 May 2015: Mozambique: Bunga Inselberg: DNSM: 1 [1 - **1** - **1**].
1 July 2015: Mozambique: Cheringoma plateau: TM: 2 [2] - Chitengo Camp: TM: 2 [2 - **4** - **4**].
21 July 2015: Mozambique: Gorongosa National Park: DNSM: 1 [1 - **1** - **1**].
22 July 2015: Mozambique: Bunga Inselberg: DNSM: 1 [1 - **1** - **1**].
5 November 2015: Mozambique: Gorongosa National Park: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Guyton, Jennifer Anna: 15

Gyamgzi

Collection Date Unknown: Nigeria: Jos: ZMA: 2 [2 - **2** - **2**].
25 June 1976: Nigeria: Zawan: ZMA: 1 [1 - **1** - **1**].
28 June 1976: Nigeria: Zawan: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Gyamgzi: 5

Gyldenstolpe, Nils Carl Gustaf Fersen; Swiss Mission

12 May 1921: Congo (Democratic Republic of the): Moera: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Gyldenstolpe, Nils Carl Gustaf Fersen; Swiss Mission: 1

Haacke, W.D.

22 October 1965: Namibia: Namibia Desert Research Station [= DERU]: TM: 1 [1 - **1** - **1**].
25 September 1968: South Africa: old mine near Doodskloof river: TM: 2 [2 - **2** - **2**].
16 September 1969: South Africa: Gasdrift, Nabas: TM: 1 [1 - **1** - **1**].
12 April 1970: Namibia: Poppa rapids: TM: 1 [1 - **1** - **1**].

Total Specimens for Haacke, W.D.: 5

Haacke, W.D.; Prozesky, O.P.M.

Collection Date Unknown: Botswana: Drotsky's [= Drodsky] Caves: USNM: 3 [3 - **3** - **3**].
25 September 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 1 [1 - **1** - **1**].
27 September 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 1 [1 - **1** - **1**].
2 October 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 10 [10 - **10** - **10**].
3 October 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 2 [2 - **2** - **2**].
1 November 1961: Botswana: Camp 7: USNM: 5 [5 - **5** - **5**].
18 November 1961: Botswana: Tsane, Camp 8: USNM: 1 [1 - **1** - **1**].
19 November 1961: Botswana: Tsane, Camp 8: USNM: 8 [8 - **8** - **8**].
20 November 1961: Botswana: Tsane, Camp 8: USNM: 10 [10 - **10** - **10**].

Total Specimens for Haacke, W.D.; Prozesky, O.P.M.: 41

Haagner, Alwin Karl
(1880 - 15 September 1962)

Collection Date Unknown: South Africa: Pretoria: TM: 2 [2 - **2** - **2**].
1 May 1927: South Africa: Pretoria district: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Haagner, Alwin Karl: 3

Haagner, G.

15 June 1986: South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: TM: 1 [1 - **1** - **1**].
17 June 1986: South Africa: Gazankulu, Manyeleti, Hermitagie Camp: TM: 1 [1 - **1** - **1**].
14 December 1986: South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: TM: 1 [1 - **1** - **1**].
14 February 1987: South Africa: Gazankulu, Manyeleti Game Reserve: TM: 1 [1 - **1** - **1**].
19 April 1987: South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: TM: 1 [1 - **1** - **1**].
21 April 1987: South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: TM: 1 [1 - **1** - **1**].

Total Specimens for Haagner, G.: 6

Haagner, Sigmund

Collection Date Unknown: Namibia: Keetmanshoop district [= Damaraland]: TM: 1 [1 - **1** - **1**].

Total Specimens for Haagner, Sigmund: 1

Haas, A.

15 December 1913: Cameroon: Douala: SMF: 1 [1] - Ibid: SMF: 1 [1 - **2** - **2**].

Total Specimens for Haas, A.: 2

Haas, F.

10 September 1931: South Africa: Letaba Ranch: SMF: 1 [1 - **1** - **1**].
10 November 1931: Zambia: Nsombo: SMF: 2 [2 - **2** - **2**].

Total Specimens for Haas, F.: 3

Haberer

Collection Date Unknown: Cameroon: Unknown locality: ZMB: 7 [7] - Yaounde: ZMB: 4 [4 - **11** - **11**].

Total Specimens for Haberer: 11

Hackars, Henri Martin
(1881 - 1940)

1 January 1925: Congo (Democratic Republic of the): Ruwenzori, foothills: RMCA: 1 [1 - **1** - **1**].
1 October 1932: Congo (Democratic Republic of the): Beni: RMCA: 1 [1 - **1** - **1**].
20 October 1932: Congo (Democratic Republic of the): Beni: RMCA: 1 [1 - **1** - **1**].
1 October 1933: Congo (Democratic Republic of the): Vitshumbi: RMCA: 2 [2 - **2** - **2**].
1 November 1933: Rwanda: Bugoye Kisenyi: RMCA: 3 [3 - **3** - **3**].
1 January 1937: Congo (Democratic Republic of the): Mutwanga: RMCA: 2 [2 - **2** - **2**].
1 August 1937: Congo (Democratic Republic of the): Mutwanga: RMCA: 1 [1 - **1** - **1**].
1 September 1937: Congo (Democratic Republic of the): Mutwanga: RMCA: 2 [2 - **2** - **2**].
1 November 1937: Congo (Democratic Republic of the): Mutwanga: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Hackars, Henri Martin: 14

Hackars, Henri Martin; Marlier, Georges

1 August 1932: Congo (Democratic Republic of the): Semliki River, banks: RMCA: 1 [1 - **1** - **1**].
20 April 1933: Congo (Democratic Republic of the): Katanda: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Hackars, Henri Martin; Marlier, Georges: 2

Haft, J.

Collection Date Unknown: São Tomé and Principé: Cascata: SMNS: 2 [2 - **2** - **2**].

Total Specimens for Haft, J.: 2

Hahn

Collection Date Unknown: Namibia: Gross Barmen: ZMB: 1 [1] - Otjimbingue: ZMB: 12 [12 - **13** - **13**].

Total Specimens for Hahn: 13

Hahn, W.L.

Collection Date Unknown: South Africa: Durban: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Hahn, W.L.: 1

Hall, B.P.

2 August 1957: Angola: Lucano: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hall, B.P.: 1

Hall, Eugene Raymond
(11 May 1902: Imes - 1986)

1 September 1919: Zambia: North Sumbu Island: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Hall, Eugene Raymond: 1

Hamilton, J.M.

19 February 1918: South Sudan: Mongalla: FMNH: 1 [1 - **1** - **1**].
21 February 1918: South Sudan: Mongalla: FMNH: 1 [1 - **1** - **1**].
25 March 1918: South Sudan: Kongor: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Hamilton, J.M.: 4

Hamilton, J.M. or J.V.

19 February 1918: South Sudan: Mongalla: USNM: 1 [1 - **1** - **1**].
23 February 1918: South Sudan: Mongalla: USNM: 1 [1 - **1** - **1**].

Total Specimens for Hamilton, J.M. or J.V.: 2

Hamilton, J.S.

11 May 1906: Mozambique: Sabi river: BMNH: 1 [1 - **1** - **1**].
21 May 1906: Mozambique: Sabi river: BMNH: 1 [1 - **1** - **1**].
24 March 1918: South Sudan: Kongor: BMNH: 1 [1 - **1** - **1**].
25 March 1918: South Sudan: Kongor: BMNH: 3, KM: 2 [5 - **5** - **5**].
28 March 1918: South Sudan: Kongor: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hamilton, J.S.: 9

Hamilton, J.V.

3 May 1918: South Sudan: Bor: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Hamilton, J.V.: 1

Hamilton, W.

12 April 1918: South Sudan: Duk Fagul: USNM: 1 [1 - **1** - **1**].

Total Specimens for Hamilton, W.: 1

Hamilton, William J.
(13 November 1931: Ithaca - 24 April 2006)

1 January 1967: Kenya: Mount Suswa: MVZ: 1 [1 - **1** - **1**].
13 May 1967: Kenya: University of Nairobi: MVZ: 1 [1 - **1** - **1**].
19 May 1967: Kenya: University of Nairobi: MVZ: 1 [1 - **1** - **1**].
22 May 1967: Kenya: University of Nairobi: MVZ: 2 [2 - **2** - **2**].
23 May 1967: Kenya: University of Nairobi: MVZ: 2 [2 - **2** - **2**].
29 May 1967: Kenya: University of Nairobi: MVZ: 2 [2 - **2** - **2**].
30 May 1967: Kenya: University of Nairobi: MVZ: 4 [4 - **4** - **4**].
31 May 1967: Kenya: University of Nairobi: MVZ: 3 [3 - **3** - **3**].
3 June 1967: Kenya: University of Nairobi: MVZ: 3 [3 - **3** - **3**].
5 June 1967: Kenya: University of Nairobi: MVZ: 5 [5 - **5** - **5**].
6 June 1967: Kenya: University of Nairobi: MVZ: 3 [3 - **3** - **3**].
7 June 1967: Kenya: University of Nairobi: MVZ: 2 [2 - **2** - **2**].
8 June 1967: Kenya: University of Nairobi: MVZ: 3 [3 - **3** - **3**].
13 June 1967: Kenya: University of Nairobi: MVZ: 4 [4 - **4** - **4**].
14 June 1967: Kenya: University of Nairobi: MVZ: 1 [1 - **1** - **1**].
22 June 1967: Kenya: University of Nairobi: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Hamilton, William J.: 38

Hammer

Collection Date Unknown: Malawi: Nchalo: HZM: 2 [2 - **2** - **2**].

Total Specimens for Hammer: 2

Hamon

14 May 1966: Burkina Faso: Bobo-Dioulasso: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Hamon: 1

Hanchuan

17 December 1934: South Africa: Alice: KM: 1 [1 - **1** - **1**].

Total Specimens for Hanchuan: 1

Handley, Charles O.

19 August 1952: Namibia: Gam: USNM: 1 [1 - **1** - **1**].
26 August 1952: Namibia: Gam: USNM: 1 [1 - **1** - **1**].

Total Specimens for Handley, Charles O.: 2

Handwerk, Johannes

3 December 1986: Egypt: Maidum pyramids: ZFMK: 1 [1 - **1** - **1**].
8 August 1988: Egypt: Gebel el Lahun: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for Handwerk, Johannes: 4

Hanks, J.

7 November 1970: Zambia: Mt. Makulu: NMZL: 2 [2 - **2** - **2**].

Total Specimens for Hanks, J.: 2

Hanney, Peter W.

Collection Date Unknown: Malawi: Mandala: NMMB: 2 [2 - **2** - **2**].
15 October 1960: Malawi: Blantyre: NMMB: 1 [1 - **1** - **1**].
11 November 1960: Malawi: Blantyre, Mandala: NMMB: 1 [1 - **1** - **1**].
7 May 1961: Malawi: Chimpini Farm: MCZ: 1 [1 - **1** - **1**].
24 May 1961: Malawi: Karonga: NMMB: 9 [9 - **9** - **9**].

Total Specimens for Hanney, Peter W.: 14

Happold, David C.D.

Collection Date Unknown: Nigeria: Obudu: BMNH: 1 [1] - Shasha Forest Reserve: ZMUI: 1 [1 - **2** - **2**].
4 December 1966: Nigeria: Gambari Forest Reserve: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Happold, David C.D.: 3

Happold, David C.D.; Happold, Meridith [=Meri]

Collection Date Unknown: Malawi: Unknown locality: BMNH: 3 [3] - Bangula swamp: DCDH: 1 [1] - Thondwe: BMNH: 1 [1 - **5** - **5**].
6 October 1984: Malawi: Zomba town: DCDH: 1 [1 - **1** - **1**].
9 October 1984: Malawi: Zomba town: DCDH: 7 [7 - **7** - **7**].
14 October 1984: Malawi: Zomba town: DCDH: 1 [1 - **1** - **1**].
20 October 1984: Malawi: Zomba town: DCDH: 8 [8 - **8** - **8**].
31 October 1984: Malawi: Zomba town: DCDH: 1 [1 - **1** - **1**].
4 November 1984: Malawi: Zomba town: DCDH: 1 [1 - **1** - **1**].
7 November 1984: Malawi: Zomba town: BMNH: 1 [1 - **1** - **1**].
12 November 1984: Malawi: Liwonde National Park: DCDH: 1 [1 - **1** - **1**].
13 November 1984: Malawi: Liwonde National Park: DCDH: 1 [1 - **1** - **1**].
16 November 1984: Malawi: Zomba town: DCDH: 1 [1 - **1** - **1**].
17 November 1984: Malawi: Zomba town: DCDH: 1 [1 - **1** - **1**].
24 November 1984: Malawi: Bone's Garden, 16th Avenue: DCDH: 1 [1 - **1** - **1**].
7 December 1984: Malawi: Zomba town: BMNH: 1, DCDH: 1 [2 - **2** - **2**].
9 December 1984: Malawi: Zomba town: DCDH: 1 [1 - **1** - **1**].
10 December 1984: Malawi: Zomba town: BMNH: 2 [2 - **2** - **2**].
11 December 1984: Malawi: Liwonde National Park: DCDH: 1 [1 - **1** - **1**].
12 December 1984: Malawi: Liwonde National Park: BMNH: 1 [1 - **1** - **1**].
19 December 1984: Malawi: Lengwe National Park: DCDH: 1 [1 - **1** - **1**].
27 December 1984: Malawi: Zomba town: BMNH: 2, DCDH: 2 [4 - **4** - **4**].
30 December 1984: Malawi: Zomba town: BMNH: 1, DCDH: 2 [3 - **3** - **3**].
31 December 1984: Malawi: Zomba town: BMNH: 1 [1 - **1** - **1**].
1 January 1985: Malawi: Zomba town: BMNH: 1 [1 - **1** - **1**].
22 January 1985: Malawi: Thondwe: BMNH: 1 [1 - **1** - **1**].
25 January 1985: Malawi: Zomba town: DCDH: 1 [1 - **1** - **1**].
30 January 1985: Malawi: Bone's Garden, 16th Avenue: DCDH: 1 [1 - **1** - **1**].
5 February 1985: Malawi: Liwonde National Park: DCDH: 1 [1 - **1** - **1**].
11 February 1985: Malawi: Luwawa dam: DCDH: 1 [1 - **1** - **1**].
2 March 1985: Malawi: Zomba town: DCDH: 2 [2 - **2** - **2**].
18 March 1985: Malawi: Zomba Plateau: DCDH: 1 [1 - **1** - **1**].
20 March 1985: Malawi: Trout Ponds: BMNH: 2 [2] - Zomba Plateau: DCDH: 3 [3 - **5** - **5**].

21 March 1985: Malawi: Trout Ponds: BMNH: 1 [1] - Zomba Plateau: DCDH: 2 [2 - **3** - **3**].
24 March 1985: Malawi: Zomba Plateau: DCDH: 2 [2 - **2** - **2**].
26 March 1985: Malawi: Zomba town: DCDH: 1 [1 - **1** - **1**].
7 April 1985: Malawi: Liwonde National Park: DCDH: 1 [1 - **1** - **1**].
18 April 1985: Malawi: Kasungu-NP: BMNH: 1 [1 - **1** - **1**].
20 April 1985: Malawi: Kasungu-NP: BMNH: 1 [1 - **1** - **1**].
21 April 1985: Malawi: Kasungu-NP: DCDH: 2 [2 - **2** - **2**].
28 April 1985: Malawi: Chelinda: BMNH: 1, DCDH: 2 [3 - **3** - **3**].
29 April 1985: Malawi: Chelinda: BMNH: 1, DCDH: 1 [2] - Nyika-NP: DCDH: 1 [1 - **3** - **3**].
7 May 1985: Malawi: Chelinda: DCDH: 1 [1 - **1** - **1**].
11 May 1985: Malawi: Luwawa dam: DCDH: 6 [6] - Zomba town: DCDH: 1 [1 - **7** - **7**].
12 May 1985: Malawi: Luwawa dam: DCDH: 1 [1 - **1** - **1**].
16 May 1985: Malawi: Bone's Garden, 16th Avenue: DCDH: 1 [1 - **1** - **1**].
1 June 1985: Malawi: Zomba town: DCDH: 2 [2 - **2** - **2**].
10 September 1993: Malawi: Kapalasa Farm: DCDH: 2 [2 - **2** - **2**].
16 September 1993: Malawi: Mpalanganga Dam: DCDH: 1 [1] - Thondwe: DCDH: 2 [2 - **3** - **3**].
19 September 1993: Malawi: Kapalasa Farm: DCDH: 1 [1 - **1** - **1**].
21 September 1993: Malawi: Zomba Plateau: DCDH: 2 [2 - **2** - **2**].
25 September 1993: Malawi: Zomba town: DCDH: 7 [7 - **7** - **7**].
26 September 1993: Malawi: Kapalasa Farm: DCDH: 2 [2 - **2** - **2**].
14 October 1993: Malawi: Kapalasa Farm: DCDH: 1 [1 - **1** - **1**].
23 October 1993: Malawi: Kapalasa Farm: DCDH: 2 [2 - **2** - **2**].
27 October 1993: Malawi: Kapalasa Farm: DCDH: 1 [1 - **1** - **1**].
2 November 1993: Malawi: Ntchisi Forest Reserve: DCDH: 1 [1 - **1** - **1**].
3 November 1993: Malawi: Ntchisi Forest Reserve: DCDH: 8 [8 - **8** - **8**].
4 November 1993: Malawi: Ntchisi Forest Reserve: DCDH: 1 [1 - **1** - **1**].
8 November 1993: Malawi: Chipata Camp: DCDH: 1 [1 - **1** - **1**].
9 November 1993: Malawi: Nkhotakota: DCDH: 3 [3 - **3** - **3**].
10 November 1993: Malawi: Nkhotakota: DCDH: 1 [1 - **1** - **1**].
5 December 1993: Malawi: Kapalasa Farm: DCDH: 2 [2 - **2** - **2**].
8 December 1993: Malawi: Liwonde National Park: DCDH: 1 [1 - **1** - **1**].
12 December 1993: Malawi: Kapalasa Farm: DCDH: 1 [1 - **1** - **1**].
21 December 1993: Malawi: Kapalasa Farm: DCDH: 2 [2 - **2** - **2**].
30 December 1993: Malawi: Kapalasa Farm: DCDH: 1 [1 - **1** - **1**].
19 January 1994: Malawi: Zomba Plateau: DCDH: 4 [4 - **4** - **4**].
22 January 1994: Malawi: Chagwa dam: DCDH: 1 [1] - Zomba Plateau: DCDH: 7 [7 - **8** - **8**].
3 February 1994: Malawi: Chimpeni Estate: DCDH: 2 [2 - **2** - **2**].
7 February 1994: Malawi: Kapalasa Farm: DCDH: 1 [1] - Kapino dam: DCDH: 1 [1 - **2** - **2**].
10 February 1994: Malawi: Kapalasa Farm: DCDH: 1 [1 - **1** - **1**].
15 February 1994: Malawi: Liwonde National Park: DCDH: 2 [2 - **2** - **2**].
22 March 1994: Malawi: Thyolo, mount: DCDH: 6 [6 - **6** - **6**].
31 March 1994: Malawi: Thyolo, mount: DCDH: 1 [1 - **1** - **1**].
8 April 1994: Malawi: Chiromo: DCDH: 2 [2 - **2** - **2**].
17 April 1994: Malawi: Dzalanyama Forest Reserve: DCDH: 3 [3 - **3** - **3**].
4 May 1994: Malawi: Liwonde National Park: DCDH: 1 [1 - **1** - **1**].
6 May 1994: Malawi: Liwonde National Park: DCDH: 1 [1 - **1** - **1**].
11 May 1994: Malawi: Zomba Plateau: DCDH: 5 [5 - **5** - **5**].

Total Specimens for Happold, David C.D.; Happold, Meridith [=Meri]: 170

Harding, M.

16 May 1991: South Africa: Transvaal Museum workshop: TM: 1 [1 - **1** - **1**].

Total Specimens for Harding, M.: 1

Hardy, A.R.

29 July 1964: Mozambique: Muchena: USNM: 10 [10 - **10** - **10**].
7 August 1964: Mozambique: Furancungo, 30 mi NNW: USNM: 4 [4 - **4** - **4**].
9 August 1964: Mozambique: Vila Gamito, 10 km N: USNM: 58 [58 - **58** - **58**].
30 August 1964: Mozambique: Manica and Sofala: USNM: 5 [5] - Vila de Manica, 10 km N: USNM: 8 [8 - **13** - **13**].
15 September 1964: Mozambique: Vila Machado: USNM: 22 [22 - **22** - **22**].
28 October 1964: Mozambique: Beira,10 km N: USNM: 1 [1 - **1** - **1**].
30 October 1964: Mozambique: Beira,10 km N: USNM: 12 [12 - **12** - **12**].
5 November 1964: Mozambique: Dondo: USNM: 10 [10 - **10** - **10**].
10 April 1965: Botswana: Drotsky's [= Drodsky] Caves: USNM: 13 [13 - **13** - **13**].

Total Specimens for Hardy, A.R.: 143

Harford

Collection Date Unknown: Congo (Democratic Republic of the): Mongbwalu: RMCA: 4 [4 - **4** - **4**].

Total Specimens for Harford: 4

Harger

4 July 1910: Malawi: Port Herald: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Harger: 1

Harley, G.W.

1 August 1932: Liberia: Ganta: AMNH: 3 [3 - **3** - **3**].
10 September 1932: Liberia: Ganta: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Harley, G.W.: 4

Harney, Barbara A.

27 October 1994: Uganda: Maramagambo Forest Reserve South: FMNH: 1 [1 - **1** - **1**].
28 October 1994: Uganda: Maramagambo Forest Reserve South: FMNH: 1 [1 - **1** - **1**].
17 November 1994: Uganda: Bwambara, 8 km N, below Bwentale Camp: FMNH: 2 [2 - **2** - **2**].
26 November 1994: Uganda: Ishasha, 5 km E: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Harney, Barbara A.: 6

Harnold, Copley; Meester, Jurgens Anthonie Janse [=Waldo]

31 August 1957: South Africa: Skurweberg cave: TM: 1 [1 - **1** - **1**].

Total Specimens for Harnold, Copley; Meester, Jurgens Anthonie Janse [=Waldo]: 1

Harper, J.

15 August 1954: Kenya: Ngong: USNM: 1 [1 - **1** - **1**].
20 August 1954: Kenya: Kitale: USNM: 1 [1 - **1** - **1**].

Total Specimens for Harper, J.: 2

Harris, William Cornwallis
(1807 - 9 October 1848: Poona)

Collection Date Unknown: Ethiopia: Shoa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Harris, William Cornwallis: 1

Harrison, David Lakin
(1 October 1926: Sevenoaks - 19 March 2015)

Collection Date Unknown: Kenya: Nakuru: ROM: 1 [1 - **1** - **1**].
11 September 1949: "Africa": Unknown locality: HZM: 1 [1 - **1** - **1**].
20 June 1950: "Africa": Unknown locality: HZM: 2 [2 - **2** - **2**].
23 June 1950: "Africa": Unknown locality: HZM: 1 [1 - **1** - **1**].
14 September 1951: South Africa: Pietermaritzburg: ROM: 1 [1 - **1** - **1**].
10 June 1953: South Sudan: Lokomanyang [=Lokomarinyang] Marsh: BMNH: 1 [1 - **1** - **1**].
5 August 1957: Tanzania: Kilwa: AMNH: 1 [1 - **1** - **1**].
7 February 1958: Tanzania: Mawarenge: AMNH: 6 [6 - **6** - **6**].
4 June 1958: Tanzania: Liwale: ROM: 1 [1 - **1** - **1**].
10 June 1958: Tanzania: Mbemba: ROM: 1, SMF: 1 [2 - **2** - **2**].
16 June 1958: Tanzania: Nachingwea: ROM: 1 [1 - **1** - **1**].
30 June 1958: Tanzania: Nachingwea: ROM: 1 [1 - **1** - **1**].
6 July 1958: Tanzania: Nachingwea: ROM: 1 [1 - **1** - **1**].
7 July 1958: Tanzania: Kilwa: ROM: 2 [2 - **2** - **2**].
11 July 1958: Tanzania: Mararenge: ROM: 2 [2 - **2** - **2**].
1 August 1958: Kenya: Kitale, 25 mi NW: SMF: 2 [2 - **2** - **2**].
7 August 1958: Tanzania: Kilwa: SMF: 2 [2 - **2** - **2**].
15 August 1958: Tanzania: Kilwa: ROM: 2 [2 - **2** - **2**].
10 September 1958: Tanzania: Madaba: SMF: 1 [1 - **1** - **1**].
18 March 1959: Tanzania: Moshi: HNHM: 1 [1 - **1** - **1**].
8 May 1959: Tanzania: Ingalala: ROM: 1 [1 - **1** - **1**].
12 May 1959: Kenya: Nairobi: HNHM: 1 [1 - **1** - **1**].
1 June 1959: Kenya: Lake Elementeita: ROM: 1 [1 - **1** - **1**].
11 August 1959: Tanzania: Kiraboga: SMF: 1 [1 - **1** - **1**].
30 January 1960: Tanzania: Newala: ROM: 2 [2 - **2** - **2**].
3 May 1960: Tanzania: Kilosa: FMNH: 2 [2 - **2** - **2**].
30 May 1960: Tanzania: Kidodi: SMF: 1 [1 - **1** - **1**].
29 September 1960: Tanzania: Kilosa: ROM: 1 [1 - **1** - **1**].
1 January 1961: Uganda: Kampala: ROM: 1 [1 - **1** - **1**].

7 March 1961: Sudan: Jebel El Airag: ROM: 1 [1 - **1** - **1**].
23 February 1962: Tanzania: Mahenge: ROM: 1 [1 - **1** - **1**].
16 July 1962: Kenya: Voi: ROM: 1 [1 - **1** - **1**].
19 July 1962: Kenya: Kilifi: ROM: 1 [1 - **1** - **1**].
18 October 1962: Kenya: Athi river: ROM: 1 [1 - **1** - **1**].
15 February 1963: Zambia: Missale: ROM: 3 [3 - **3** - **3**].
23 September 1966: Tunisia: Enfidaville: HZM: 1 [1 - **1** - **1**].
3 October 1966: Tunisia: Wadi Zriba: HZM: 1 [1 - **1** - **1**].
17 March 1971: Tanzania: Ndala: SMF: 1 [1 - **1** - **1**].

Total Specimens for Harrison, David Lakin: 54

Harrison, David Lakin; Bates, Paul J.J.

7 August 1981: Malawi: Likabula river: HZM: 1 [1 - **1** - **1**].
8 August 1984: Malawi: Likabula river: HZM: 1 [1 - **1** - **1**].
23 August 1984: Malawi: Likwenu river: HZM: 1 [1 - **1** - **1**].

Total Specimens for Harrison, David Lakin; Bates, Paul J.J.: 3

Harrison, David Lakin; Schwartz, A.

9 January 1959: Tanzania: Mahenge: KU: 1 [1 - **1** - **1**].

Total Specimens for Harrison, David Lakin; Schwartz, A.: 1

Harrison, G

1 March 1961: Malawi: Chileka: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Harrison, G: 1

Harrison, J.J.

21 February 1900: "Africa": between Lakes Zwai and Margherita,Walamo: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Harrison, J.J.: 1

Harrison, James

14 January 2004: South Africa: 27 Arnold Road: TM: 1 [1 - **1** - **1**].
15 February 2004: South Africa: 27 Arnold Road: TM: 1 [1 - **1** - **1**].

Total Specimens for Harrison, James: 2

Harrison, James du G

9 October 2003: South Africa: Irene: TM: 1 [1 - **1** - **1**].
17 April 2005: South Africa: Irene: TM: 2 [2 - **2** - **2**].

Total Specimens for Harrison, James du G: 3

Hart

1 May 1964: Zambia: Kalabo: HZM: 1 [1 - **1** - **1**].

Total Specimens for Hart: 1

Hart, A.

4 October 1978: South Africa: Nahoon Point, 5 km S, 7.5 km W: MSB: 1 [1 - **1** - **1**].
1 January 1979: South Africa: King William's Town: MSB: 1 [1 - **1** - **1**].
14 August 1991: Tanzania: Genda Genda South Forest Reserve: SMF: 1 [1 - **1** - **1**].

Total Specimens for Hart, A.: 3

Hart, A.H.

Collection Date Unknown: South Africa: Nahoon Point, 5 km S, 7.5 km W: TTU: 1 [1 - **1** - **1**].

Total Specimens for Hart, A.H.: 1

Hart, John A.

21 April 1981: Congo (Democratic Republic of the): Epulu: FMNH: 2 [2 - **2** - **2**].
26 April 1981: Congo (Democratic Republic of the): Epulu, 13 km E: FMNH: 1 [1 - **1** - **1**].
6 June 1981: Congo (Democratic Republic of the): Epulu, 6 km S, 2 km W: FMNH: 1 [1 - **1** - **1**].
20 June 1981: Congo (Democratic Republic of the): Epulu: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Hart, John A.: 5

Hart, R.C.

24 December 1963: Zambia: Kalabo: NMZL: 4 [4 - **4** - **4**].

Total Specimens for Hart, R.C.: 4

Hartert, Ernst Johnann Otto
(1859 - 11 November 1933)

16 May 1912: Algeria: El Golea: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hartert, Ernst Johnann Otto: 1

Hartman, D.S.

27 May 1966: Kenya: Nairobi, 6 mi N: CUMV: 1 [1 - **1** - **1**].

Total Specimens for Hartman, D.S.: 1

Hartmann, von Barnim

Collection Date Unknown: Egypt: Denderah [=Dandarah]: ZMB: 6 [6 - **6** - **6**].

Total Specimens for Hartmann, von Barnim: 6

Hartroll, R.

7 January 1971: Tanzania: Dar es Salaam: USNM: 1 [1 - **1** - **1**].

Total Specimens for Hartroll, R.: 1

Harvard African Expedition, The

16 July 1926: Liberia: Monrovia: MCZ: 9 [9 - **9** - **9**].
21 July 1926: Liberia: Monrovia: MCZ: 3 [3 - **3** - **3**].
27 July 1926: Liberia: Unknown locality: MCZ: 2 [2 - **2** - **2**].
1 August 1926: Liberia: Unknown locality: MCZ: 1 [1 - **1** - **1**].
23 October 1926: Liberia: Unknown locality: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Harvard African Expedition, The: 16

Harvard University, Museum of Comparative Zoology

Collection Date Unknown: Cameroon: Ebolowa: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Harvard University, Museum of Comparative Zoology: 1

Harvey, D.E.

18 November 1966: Mauritania: Akjoujt: USNM: 15 [15] - Magrein Copper Mine: USNM: 41 [41 - **56** - **56**].
21 November 1966: Mauritania: Akjoujt: USNM: 3 [3] - Magrein Copper Mine: USNM: 17 [17 - **20** - **20**].
22 November 1966: Mauritania: Akjoujt: USNM: 2 [2] - Magrein Copper Mine: USNM: 2 [2 - **4** - **4**].
12 April 1967: Mauritania: Rosso: USNM: 1 [1] - Tiguent: USNM: 2 [2 - **3** - **3**].
18 April 1967: Mauritania: Garak: USNM: 1 [1 - **1** - **1**].
28 April 1967: Mauritania: Rosso: USNM: 53 [53 - **53** - **53**].
1 May 1967: Mauritania: Garak: USNM: 3 [3 - **3** - **3**].
6 May 1967: Mauritania: Boghé, 8 km N: USNM: 1 [1 - **1** - **1**].
16 May 1967: Mauritania: Aleg, 3 km S: USNM: 20 [20 - **20** - **20**].
30 May 1967: Mauritania: Passe de Soufa: USNM: 2 [2 - **2** - **2**].

Total Specimens for Harvey, D.E.: 163

Hassanin, Alexandre

21 November 2007: Cameroon: Nkoélon-Mvini: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Hassanin, Alexandre: 1

Hassanin, Alexandre; Nakouné, Emmanuel; Nesi, Nicolas; Ngoagouni, Carine

16 November 2008: Central African Republic: Kpoka cave: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Hassanin, Alexandre; Nakouné, Emmanuel; Nesi, Nicolas; Ngoagouni, Carine: 1

Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier

20 September 2009: Congo (Democratic Republic of the): Kasombo: MNHN: 1 [1 - **1** - **1**].
21 September 2009: Congo (Democratic Republic of the): Luena: MNHN: 1 [1 - **1** - **1**].
22 September 2009: Congo (Democratic Republic of the): Mukulakulu: MNHN: 49 [49 - **49** - **49**].
23 September 2009: Congo (Democratic Republic of the): Luena: MNHN: 1 [1 - **1** - **1**].
24 September 2009: Congo (Democratic Republic of the): Kitombongo: MNHN: 11 [11 - **11** - **11**].
25 September 2009: Congo (Democratic Republic of the): Kitombongo: MNHN: 5 [5] - Upemba National Park: MNHN: 4 [4 - **9** - **9**].
26 September 2009: Congo (Democratic Republic of the): Kitombongo: MNHN: 6 [6 - **6** - **6**].
28 September 2009: Congo (Democratic Republic of the): Lubumbashi: MNHN: 5 [5 - **5** - **5**].
1 October 2009: Congo (Democratic Republic of the): Katwé: MNHN: 2 [2 - **2** - **2**].
2 October 2009: Congo (Democratic Republic of the): Katwé: MNHN: 1 [1 - **1** - **1**].
3 October 2009: Congo (Democratic Republic of the): Kaloba, 5 km from: MNHN: 14 [14 - **14** - **14**].
4 October 2009: Congo (Democratic Republic of the): Eidolon land: MNHN: 15 [15 - **15** - **15**].
8 October 2009: Congo (Democratic Republic of the): Muvule, cave 4 km from: MNHN: 6 [6 - **6** - **6**].
9 October 2009: Congo (Democratic Republic of the): Muvule, cave 4 km from: MNHN: 3 [3 - **3** - **3**].
11 October 2009: Congo (Democratic Republic of the): Pandé, forest N of: MNHN: 19 [19 - **19** - **19**].
12 October 2009: Congo (Democratic Republic of the): Lubumbashi: MNHN: 7 [7 - **7** - **7**].

Total Specimens for Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: 150

Hasselquist

Collection Date Unknown: Egypt: Giza: ZMUC: 1 [1 - **1** - **1**].

Total Specimens for Hasselquist: 1

Hatton, R.S.

15 July 1976: Zimbabwe: Victoria Falls: KU: 1 [1 - **1** - **1**].

Total Specimens for Hatton, R.S.: 1

Hatward, B J

25 May 1975: Tunisia: Stil Date Grove: TTU: 1 [1 - **1** - **1**].

Total Specimens for Hatward, B J: 1

Haug

14 October 1906: Gabon: N'gomo-Ogooué: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Haug: 1

Hautmann

Collection Date Unknown: Congo (Democratic Republic of the): Costermansville: RMCA: 1 [1] - Matale: RMCA: 1 [1 - **2** - **2**].
1 January 1945: Congo (Democratic Republic of the): Kabinda: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Hautmann: 4

Hawker, R. McDonald

Collection Date Unknown: South Sudan: Kaka: BMNH: 2 [2 - **2** - **2**].
14 November 1897: Somalia: Hargeisa: BMNH: 1 [1 - **1** - **1**].
19 March 1901: South Sudan: Renk: BMNH: 3 [3 - **3** - **3**].
13 May 1901: South Sudan: Renk: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hawker, R. McDonald: 7

Hawkes, T.

1 January 1962: Uganda: Budongo Forest: ROM: 3 [3] - Bunyoro: ROM: 1 [1 - **4** - **4**].

Total Specimens for Hawkes, T.: 4

Hawkins, James D.

Collection Date Unknown: Kenya: Nambale, 10 mi [= 16 km] N: CAS: 1 [1 - **1**].
Uganda: Pope Pius X Seminary: CAS: 6 [6 - **6** - **7**].
29 March 1967: Uganda: Unknown locality: ZMA: 1 [1 - **1** - **1**].
21 March 1970: Kenya: Amukura: ROM: 12 [12] - Saint Paul's Akukura Secondary School: ROM: 1 [1 - **13** - **13**].
22 March 1970: Uganda: Tororo: ROM: 13 [13 - **13** - **13**].
25 March 1970: Uganda: Tororo: CAS: 1 [1 - **1** - **1**].
28 March 1970: Uganda: Pope Pius X Seminary: CAS: 1 [1 - **1** - **1**].
4 April 1970: Uganda: Manjasi High School: CAS: 4 [4 - **4** - **4**].
13 April 1970: Uganda: Sukuli Hills: ROM: 41 [41 - **41** - **41**].
16 April 1970: Uganda: Sukuli Hills: ROM: 2 [2 - **2** - **2**].
13 May 1970: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
14 May 1970: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
15 May 1970: Uganda: Sukuli Hills: CAS: 2 [2 - **2** - **2**].
16 May 1970: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
19 May 1970: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
21 May 1970: Uganda: Manjasi High School: CAS: 1 [1 - **1** - **1**].
25 May 1970: Uganda: Manjasi High School: CAS: 1 [1 - **1** - **1**].
28 May 1970: Uganda: Sukuli Hills: CAS: 2, ROM: 14 [16 - **16** - **16**].
1 June 1970: Uganda: Manjasi High School: CAS: 1 [1 - **1** - **1**].
2 June 1970: Uganda: Manjasi High School: CAS: 2 [2 - **2** - **2**].
4 June 1970: Uganda: Tororo, 10 km SSW: ROM: 1 [1 - **1** - **1**].
5 June 1970: Uganda: Mulanda: CAS: 1 [1 - **1** - **1**].
16 June 1970: Uganda: Mulanda: CAS: 2 [2 - **2** - **2**].
17 June 1970: Uganda: Mulanda: CAS: 2 [2 - **2** - **2**].
18 June 1970: Uganda: Mulanda: CAS: 1 [1 - **1** - **1**].
24 June 1970: Uganda: Mulanda: CAS: 1 [1 - **1** - **1**].
25 June 1970: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1] - Mulanda: CAS: 1 [1 - **2** - **2**].
6 July 1970: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1] - Tororo, 10 km SSW: ROM: 3 [3 - **4** - **4**].
7 July 1970: Uganda: Tororo, 10 km SSW: ROM: 12 [12 - **12** - **12**].
8 July 1970: Uganda: Tororo, 10 km SSW: ROM: 6 [6 - **6** - **6**].
9 July 1970: Uganda: Tororo, 10 km SSW: ROM: 9 [9 - **9** - **9**].
10 July 1970: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1] - Tororo, 10 km SSW: ROM: 9 [9 - **10** - **10**].
11 July 1970: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1 - **1** - **1**].
13 July 1970: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1 - **1** - **1**].
16 July 1970: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1 - **1** - **1**].
20 July 1970: Uganda: Tororo, 10 km SSW: ROM: 1 [1 - **1** - **1**].
22 July 1970: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1 - **1** - **1**].
27 August 1970: Uganda: Pope Pius X Seminary: CAS: 1 [1 - **1** - **1**].
1 September 1970: Uganda: Sukuli Hills: ROM: 2 [2 - **2** - **2**].
2 September 1970: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
6 September 1970: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
10 September 1970: Uganda: Tororo, 10 km SSW: ROM: 2 [2 - **2** - **2**].
16 September 1970: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1 - **1** - **1**].
1 October 1970: Uganda: Sukuli Hills: CAS: 3, ROM: 4 [7 - **7** - **7**].
2 October 1970: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
17 October 1970: Kenya: Aitong: CAS: 2 [2 - **2** - **2**].
22 October 1970: Tanzania: Rohero mine: CAS: 2 [2 - **2** - **2**].
24 October 1970: Kenya: Lake Magadi, cave near: CAS: 2 [2 - **2**].
Tanzania: Milimafedha mine: ROM: 1 [1 - **1** - **3**].
25 October 1970: Tanzania: Milimafedha mine: ROM: 1 [1] - Rohogo mine: ROM: 5 [5 - **6** - **6**].
5 November 1970: Uganda: Sukuli Hills: CAS: 2 [2 - **2** - **2**].
9 November 1970: Uganda: Tororo: CAS: 1 [1 - **1** - **1**].
10 November 1970: Uganda: Tororo: CAS: 1 [1 - **1** - **1**].
11 November 1970: Uganda: Tororo: CAS: 2 [2 - **2** - **2**].
12 November 1970: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
13 November 1970: Uganda: Sukuli Hills: CAS: 1, ROM: 4 [5 - **5** - **5**].
18 November 1970: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
24 November 1970: Kenya: Ahero, cave near: CAS: 1 [1] - Kisii, 10 mi N: ROM: 13 [13 - **14** - **14**].
25 November 1970: Kenya: Ahero, cave near: CAS: 4 [4] - Kisii: CAS: 2 [2 - **6** - **6**].
30 November 1970: Uganda: Sipi cave: ROM: 12 [12 - **12** - **12**].
23 January 1971: Uganda: Lugala: ROM: 3 [3 - **3** - **3**].
10 February 1971: Uganda: Sukuli Hills: ROM: 7 [7 - **7** - **7**].
15 February 1971: Kenya: Kaimosi: CAS: 1 [1 - **1** - **1**].
16 February 1971: Uganda: Sukuli Hills: CAS: 2, ROM: 4 [6 - **6** - **6**].
18 February 1971: Uganda: Sukuli Hills: CAS: 2 [2 - **2** - **2**].
19 February 1971: Uganda: Lugala: ROM: 18 [18 - **18** - **18**].
20 February 1971: Uganda: Lugala: ROM: 5 [5] - Sukuli Hills: ROM: 2 [2 - **7** - **7**].
24 February 1971: Uganda: Lugala: ROM: 2 [2] - Sukuli Hills: ROM: 6 [6 - **8** - **8**].
25 February 1971: Kenya: Amukura Mission: ROM: 9 [9 - **9** - **9**].
26 February 1971: Kenya: Amukura Mission: ROM: 1 [1] - Amukura Secondary School: CAS: 4 [4 - **5** - **5**].
1 March 1971: Uganda: Sukuli Hills: CAS: 6 [6 - **6** - **6**].
2 March 1971: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].

3 March 1971: Uganda: Sukuli Hills: ROM: 8 [8 - **8** - **8**].
5 March 1971: Uganda: Lugala: ROM: 12 [12 - **12** - **12**].
9 March 1971: Uganda: Lugala: ROM: 7 [7 - **7** - **7**].
12 March 1971: Kenya: Amukura Secondary School: CAS: 1 [1 - **1** - **1**].
13 March 1971: Kenya: Amukura Mission: ROM: 3 [3 - **3** - **3**].
14 March 1971: Uganda: Sukuli Hills: CAS: 3 [3 - **3** - **3**].
15 March 1971: Uganda: Sukuli Hills: CAS: 2, ROM: 7 [9 - **9** - **9**].
16 March 1971: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1] - Sukuli Hills: CAS: 4 [4 - **5** - **5**].
17 March 1971: Uganda: Tororo: CAS: 2 [2 - **2** - **2**].
18 March 1971: Uganda: Tororo: CAS: 2 [2 - **2** - **2**].
19 March 1971: Uganda: Sukuli Hills: CAS: 2 [2 - **2** - **2**].
22 March 1971: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1 - **1** - **1**].
23 March 1971: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
24 March 1971: Uganda: Ngongera, Bukedi, Pope Pious X Seminary: ROM: 4 [4] - Pope Pius X Seminary: CAS: 1 [1 - **5** - **5**].
25 March 1971: Uganda: Tororo: CAS: 1 [1 - **1** - **1**].
27 March 1971: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
14 April 1971: Tanzania: Banagi: CAS: 4, ROM: 6 [10 - **10** - **10**].
16 April 1971: Tanzania: Banagi: CAS: 6 [6 - **6** - **6**].
21 April 1971: Uganda: Kabanyolo [mission]: CAS: 1 [1 - **1** - **1**].
22 April 1971: Uganda: Kabanyolo [mission]: CAS: 3 [3 - **3** - **3**].
24 April 1971: Uganda: Kabanyolo [mission]: CAS: 4 [4 - **4** - **4**].
27 April 1971: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
5 May 1971: Uganda: Sukuli Hills: CAS: 6, ROM: 8 [14 - **14** - **14**].
6 May 1971: Uganda: Sukuli Hills: CAS: 1 [1 - **1** - **1**].
13 May 1971: Uganda: Nyero: CAS: 1 [1] - Serere Agricultural Research Station: CAS: 1 [1 - **2** - **2**].
14 May 1971: Uganda: Serere Agricultural Research Station: CAS: 2 [2 - **2** - **2**].
18 May 1971: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1 - **1** - **1**].
20 May 1971: Uganda: Kapchorwa, cave: CAS: 2 [2 - **2** - **2**].
26 May 1971: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1 - **1** - **1**].
27 May 1971: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1] - Lugala: ROM: 1 [1 - **2** - **2**].
29 June 1971: Uganda: Teso: ROM: 12 [12 - **12** - **12**].
30 June 1971: Uganda: Teso: ROM: 30 [30 - **30** - **30**].
1 July 1971: Uganda: Teso: ROM: 2 [2 - **2** - **2**].
2 July 1971: Uganda: Teso: ROM: 1 [1 - **1** - **1**].
3 July 1971: Uganda: Teso: ROM: 3 [3 - **3** - **3**].
10 July 1971: Uganda: Sukuli Hills: ROM: 3 [3 - **3** - **3**].
12 July 1971: Uganda: Bukedi: ROM: 2 [2 - **2** - **2**].
21 July 1971: Uganda: Kawanda, Agriculture Research Station: CAS: 1 [1 - **1** - **1**].
22 July 1971: Uganda: Kawanda, Agriculture Research Station: CAS: 6 [6 - **6** - **6**].
23 July 1971: Uganda: Kawanda, Agriculture Research Station: CAS: 2 [2 - **2** - **2**].
24 July 1971: Uganda: Kawanda, Agriculture Research Station: CAS: 3, ROM: 7 [10] - Tororo: CAS: 1 [1 - **11** - **11**].
26 July 1971: Uganda: Tororo: CAS: 2 [2 - **2** - **2**].
27 July 1971: Uganda: Tororo: CAS: 3 [3 - **3** - **3**].
28 July 1971: Uganda: Tororo: CAS: 2 [2 - **2** - **2**].
8 August 1971: Uganda: Sukuli Hills: CAS: 2 [2 - **2** - **2**].
1 September 1971: Uganda: Tororo: CAS: 2 [2 - **2** - **2**].
7 September 1971: Uganda: Tororo: CAS: 2, ROM: 1 [3 - **3** - **3**].
8 September 1971: Uganda: Tororo: CAS: 1 [1 - **1** - **1**].
11 September 1971: Uganda: Tororo: CAS: 2 [2 - **2** - **2**].
16 September 1971: Uganda: E.A.T.R.O. Field Station: CAS: 2 [2 - **2** - **2**].
17 September 1971: Uganda: E.A.T.R.O. Field Station: CAS: 2 [2 - **2** - **2**].
23 September 1971: Uganda: E.A.T.R.O. Field Station: CAS: 2 [2 - **2** - **2**].
24 September 1971: Uganda: E.A.T.R.O. Field Station: CAS: 1 [1 - **1** - **1**].
29 September 1971: Uganda: Sebei College, cave 1 mi [= 1.6 km] SW: CAS: 2 [2] - Sebei College, cave 2 mi [= 3.2 km] SW: CAS: 1 [1 - **3** - **3**].
1 October 1971: Uganda: Tororo: CAS: 3 [3 - **3** - **3**].
4 October 1971: Uganda: Sebei College, cave 1 mi [= 1.6 km] SW: CAS: 1 [1 - **1** - **1**].
12 November 1971: Uganda: Tororo: CAS: 1 [1 - **1** - **1**].
19 November 1971: Uganda: Kawanda, Agriculture Research Station: CAS: 4 [4 - **4** - **4**].
20 November 1971: Uganda: Kawanda, Agriculture Research Station: CAS: 3 [3 - **3** - **3**].
21 November 1971: Uganda: Kawanda, Agriculture Research Station: CAS: 6 [6 - **6** - **6**].
22 November 1971: Uganda: Kawanda, Agriculture Research Station: CAS: 2 [2 - **2** - **2**].
23 November 1971: Uganda: Kawanda, Agriculture Research Station: CAS: 4 [4 - **4** - **4**].

Total Specimens for Hawkins, James D.: 550

Hawkins, James D.; Van der Vegten, J.

1 March 1970: Uganda: Manjasi High School: ZMA: 1 [1 - **1** - **1**].
5 March 1970: Uganda: Manjasi High School: ZMA: 2 [2 - **2** - **2**].
8 March 1970: Uganda: Manjasi High School: ZMA: 10 [10 - **10** - **10**].
29 March 1970: Uganda: Pope Pius X Seminary: ZMA: 23 [23 - **23** - **23**].

Total Specimens for Hawkins, James D.; Van der Vegten, J.: 36

Haydock, E.L.

26 May 1952: Zambia: Luanshya: USNM: 1 [1 - **1** - **1**].

Total Specimens for Haydock, E.L.: 1

Hayes, Benjamin

29 July 2012: Congo: Lekoumou, airport road: HZM: 8 [8 - **8** - **8**].
30 July 2012: Congo: Lekoumou, Lebayi cave: HZM: 6 [6 - **6** - **6**].
1 August 2012: Congo: Lekoumou, airport: HZM: 1 [1 - **1** - **1**].
3 August 2012: Congo: Lekoumou, Lebayi cave: HZM: 3 [3 - **3** - **3**].
4 August 2012: Congo: Lekoumou, Forest trails: HZM: 3 [3] - Lekoumou, Waterfall forest: HZM: 1 [1 - **4** - **4**].
7 August 2012: Congo: Lekoumou, Forest corridor: HZM: 2 [2 - **2** - **2**].

Total Specimens for Hayes, Benjamin: 24

Haylock, J.

15 May 1966: Botswana: Kasungula: ROM: 1 [1 - **1** - **1**].
5 June 1966: Botswana: Chobe NP, Kasane: ROM: 1 [1 - **1** - **1**].

Total Specimens for Haylock, J.: 2

Haylock, R.E.

Collection Date Unknown: Botswana: Kasane: ROM: 5 [5 - **5** - **5**].
12 May 1966: Botswana: Chobe NP, Kasane: ROM: 1 [1 - **1** - **1**].
13 May 1966: Botswana: Chobe NP, Kasane: ROM: 11 [11 - **11** - **11**].
14 May 1966: Botswana: Chobe NP, Kasane: ROM: 6 [6 - **6** - **6**].

Total Specimens for Haylock, R.E.: 23

Hayman, Robert William
(11 November 1905 - February 1975: Ottery St. Mary)

Collection Date Unknown: Congo (Democratic Republic of the): Mboga: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hayman, Robert William: 1

Hayward, Bruce Joliffe
(13 April 1928 - 3 August 2011: Silver City)

Collection Date Unknown: Ghana: Jukwa: USNM: 4 [4] - Legon: USNM: 8 [8 - **12**].
Kenya: Athi river, 6 mi S: USNM: 1 [1] - Elgon, Mount: WNMU: 1 [1] - Hoey's bridge: USNM: 18 [18] - Karen: USNM: 1 [1] - Kiboko: USNM: 3 [3] - Kibwezi: USNM: 4 [4] - Kitale, 12 mi W: USNM: 12 [12] - Kitale, 20 mi SW: MSB: 1 [1] - Kongelai, 12 mi W: USNM: 7 [7] - Kongelai, 3 mi S: USNM: 4 [4] - Nakuchett: USNM: 1 [1] - Nakuru, 2 mi S: USNM: 1 [1] - Sigor, 2 mi [=3.2 km] S: WNMU: 1 [1] - Taka Unka, Ungu Palm Grove on Coast: TTU: 1 [1] - Vipingoni: FMNH: 2 [2 - **58**].
South Africa: Uvongo: WNMU: 4 [4 - **4**].
Uganda: Amudat: USNM: 3 [3 - **3** - **77**].
7 January 1962: Kenya: Nairobi: FMNH: 1 [1 - **1** - **1**].
22 May 1962: Kenya: Chep Tulel: FMNH: 1 [1 - **1** - **1**].
18 June 1963: Kenya: Menengai Crater: FMNH: 4 [4] - Menengai Crater, Mengengai cave: FMNH: 1 [1 - **5** - **5**].
1 July 1963: Kenya: Mt Elgon foothills, Barberton farm: FMNH: 1 [1 - **1** - **1**].
7 July 1963: Kenya: Isiolo: FMNH: 4 [4 - **4** - **4**].
11 July 1963: Kenya: Lake Naivasha, E shore: FMNH: 9 [9 - **9** - **9**].
18 July 1963: Kenya: Legatet Hill cave: FMNH: 11 [11 - **11** - **11**].
19 July 1963: Tanzania: Rungwa: FMNH: 1 [1 - **1** - **1**].
21 July 1963: Kenya: Kakamega Forest Mine: FMNH: 4 [4 - **4** - **4**].
22 July 1963: Kenya: Kakamega Forest Station, 1 mi NE: FMNH: 4 [4 - **4** - **4**].
23 July 1963: Kenya: Kakamega Forest Station, 1 mi NE: FMNH: 5, TTU: 1 [6 - **6** - **6**].
24 July 1963: Kenya: Kakamega forest station: FMNH: 3 [3 - **3** - **3**].
25 July 1963: Kenya: Mt Elgon foothills, Barberton farm: FMNH: 13 [13 - **13** - **13**].
26 July 1963: Kenya: Mt Elgon foothills, Barberton farm: FMNH: 6 [6 - **6** - **6**].
27 July 1963: Kenya: Mt Elgon foothills, Barberton farm: FMNH: 6 [6 - **6** - **6**].
28 July 1963: Kenya: Devil's cave: FMNH: 1, WNMU: 1 [2] - Elgon, Mount: WNMU: 1 [1] - Mt Elgon foothills, Barberton farm: FMNH: 12 [12 - **15**].
Tanzania: Tanga: FMNH: 3 [3 - **3** - **18**].
29 July 1963: Kenya: Mt Elgon foothills, Barberton farm: FMNH: 2 [2 - **2** - **2**].
30 July 1963: Kenya: Kitale: WAM: 2 [2] - Mt Elgon foothills, Barberton farm: FMNH: 9 [9 - **11** - **11**].
31 July 1963: Kenya: Mt Elgon foothills, Barberton farm: FMNH: 1 [1 - **1** - **1**].
1 August 1963: Kenya: Hoey's bridge: FMNH: 3, TTU: 1 [4 - **4**].
Tanzania: Tanga: FMNH: 3 [3 - **3** - **7**].
3 August 1963: Kenya: Bowker Farm: FMNH: 1 [1] - Menengai Crater: FMNH: 4 [4] - Mount Suswa cave: FMNH: 1 [1 - **6** - **6**].

4 August 1963: Kenya: Nakuru, 4 mi [= 6.4 km] E: FMNH: 1 [1 - **1** - **1**].
5 August 1963: Kenya: Mount Suswa cave: FMNH: 4, TTU: 1 [5 - **5** - **5**].
10 August 1963: Kenya: Kiboko, 2 mi [= 3.2 km] NW: FMNH: 4 [4 - **4** - **4**].
12 August 1963: Kenya: Shimoni: FMNH: 1 [1 - **1** - **1**].
13 August 1963: Kenya: Shimoni: FMNH: 6 [6] - Shimoni cave: USNM: 2 [2 - **8** - **8**].
15 August 1963: Kenya: Moto cave: FMNH: 19 [19] - Ngombeni [caves]: FMNH: 6, USNM: 2 [8 - **27** - **27**].
18 August 1963: Kenya: Vipingoni cave: FMNH: 15 [15 - **15** - **15**].
19 August 1963: Kenya: Kiboko, 10 mi [= 16 km] S: USNM: 1 [1] - Kilifi: FMNH: 1, WNMU: 1 [2] - Kilifi: FMNH: 3 [3] - Kilifi cave: USNM: 1 [1] - Kilifi Creek: FMNH: 2 [2] - Kilifi Creek, head of: FMNH: 1 [1] - Kilifi, 1 mi [= 1.6 km] N: FMNH: 1 [1] - Kilifi, near: FMNH: 1 [1 - **12** - **12**].
20 August 1963: Kenya: Kilifi, 1 mi [= 1.6 km] N: FMNH: 2 [2] - Kilifi, near: FMNH: 1 [1 - **3** - **3**].
22 August 1963: Kenya: Kiboko, 1 mi [= 1.6 km] W: FMNH: 3 [3] - Kiboko, 2 mi [= 3.2 km] NW: FMNH: 1 [1] - Kiboko, 2 mi [=3.2 km] NW: FMNH: 1 [1 - **5** - **5**].
23 August 1963: Kenya: Kiboko, 10 mi [= 16 km] N: FMNH: 4, TTU: 1 [5 - **5** - **5**].
24 August 1963: Kenya: Athi river: FMNH: 3 [3 - **3** - **3**].
25 August 1963: Kenya: Athi River Town, 1 mi S: USNM: 3 [3 - **3** - **3**].
26 August 1963: Kenya: Nairobi: FMNH: 3 [3 - **3** - **3**].
28 August 1963: Kenya: Kalamou: FMNH: 8 [8] - Nairobi: FMNH: 1, WNMU: 1 [2 - **10** - **10**].
9 September 1963: Kenya: Mount Ololdiani: FMNH: 1 [1 - **1** - **1**].
20 April 1964: Kenya: Ferguson's Gulf: CM: 4 [4 - **4** - **4**].
23 May 1965: Kenya: Tororo, 30 mi [= 48 km] E: FMNH: 2 [2 - **2** - **2**].
1 June 1965: Kenya: Sigor, 2 mi [=3.2 km] S: FMNH: 1 [1 - **1** - **1**].
10 June 1965: Kenya: Naivasha, 2 mi [= 3.2 km] SE: FMNH: 20, WNMU: 1 [21 - **21** - **21**].
11 June 1965: Kenya: Naivasha, 2 mi [= 3.2 km] SE: FMNH: 1 [1] - Naivasha, 7 mi [=11 km] SE: FMNH: 9 [9 - **10** - **10**].
13 June 1965: Kenya: Naivasha, 7 mi [=11 km] SE: FMNH: 1 [1 - **1** - **1**].
15 June 1965: Kenya: Magadi: FMNH: 1, WNMU: 1 [2] - Ngong: FMNH: 2 [2 - **4** - **4**].
17 June 1965: Kenya: Magadi: USNM: 1 [1 - **1** - **1**].
20 June 1965: Kenya: Kiboko, 3 mi [= 4.8 km] W: FMNH: 14 [14] - Ngong: FMNH: 4 [4 - **18** - **18**].
21 June 1965: Kenya: Nairobi: FMNH: 3 [3 - **3** - **3**].
22 June 1965: Kenya: Ngong: FMNH: 1 [1 - **1** - **1**].
23 June 1965: Kenya: Karen: FMNH: 4 [4 - **4** - **4**].
29 June 1965: Kenya: Lukenia: FMNH: 1 [1 - **1** - **1**].
3 July 1965: Kenya: Nakuru, 2 mi [= 3.2 km] W: FMNH: 8 [8 - **8** - **8**].
7 July 1965: Uganda: Budongo Forest: FMNH: 1 [1 - **1** - **1**].
8 July 1965: Uganda: Budongo Forest: FMNH: 4 [4 - **4** - **4**].
9 July 1965: Uganda: Budongo Forest: FMNH: 6 [6 - **6** - **6**].
10 July 1965: Kenya: Lake Naivasha, E shore: FMNH: 1 [1] - Machakos, 15 mi [= 24 km] SE: FMNH: 1 [1] - Machakos, 15 mi SW: WNMU: 3 [3] - Naivasha, 2 mi [= 3.2 km] SE: WNMU: 1 [1 - **6**].
Uganda: Budongo Forest: FMNH: 4 [4 - **4** - **10**].
11 July 1965: Uganda: Budongo Forest: FMNH: 3 [3 - **3** - **3**].
12 July 1965: Uganda: Budongo Forest: FMNH: 10 [10 - **10** - **10**].
13 July 1965: Uganda: Budongo Forest: FMNH: 5 [5 - **5** - **5**].
15 July 1965: Uganda: Budongo Forest: FMNH: 1 [1 - **1** - **1**].
18 July 1965: Kenya: Devil's cave: WNMU: 1 [1] - Elgon, Mount: WNMU: 1 [1] - Kitale, 20 mi SW: FMNH: 7 [7] - Mt Elgon foothills, Barberton farm: FMNH: 7 [7 - **16** - **16**].
20 July 1965: Kenya: Kongelai Escarpment, Tambala Falls: FMNH: 3 [3 - **3** - **3**].
22 July 1965: Kenya: Kapenguria: FMNH: 1 [1 - **1** - **1**].
24 July 1965: Kenya: Kongelai Escarpment, Tambala Falls: FMNH: 7 [7 - **7** - **7**].
25 July 1965: Kenya: Kongelai: FMNH: 3 [3 - **3** - **3**].
26 July 1965: Kenya: Kapenguria: FMNH: 1 [1 - **1** - **1**].
27 July 1965: Kenya: Sigor, 2 mi [=3.2 km] S: FMNH: 14, ROM: 1, WNMU: 1 [16 - **16** - **16**].
28 July 1965: Kenya: Sigor, 2 mi [=3.2 km] S: FMNH: 7 [7 - **7** - **7**].
29 July 1965: Kenya: Sigor, 2 mi [=3.2 km] S: FMNH: 17, WNMU: 1 [18 - **18** - **18**].
31 July 1965: Kenya: Cherangany: FMNH: 5 [5] - Lake Magadi: FMNH: 1 [1] - Sigor, 2 mi [=3.2 km] S: FMNH: 1 [1 - **7** - **7**].
1 August 1965: Kenya: Cherangany: FMNH: 4 [4] - West Nyanza district: FMNH: 1 [1 - **5** - **5**].
2 August 1965: Kenya: Cherangany: FMNH: 2 [2] - Stoneham Museum: FMNH: 13, TTU: 1 [14 - **16** - **16**].
5 August 1965: Ghana: Nkawkaw, 1 mi [=1.6 km] N: USNM: 1 [1 - **1**].
Kenya: Kakamega Forest Station, 1 mi NE: FMNH: 8 [8] - Kakamega Forest Station, 4 mi E: FMNH: 10 [10] - Kilifi, 1 mi [= 1.6 km] N: USNM: 1 [1] - Kilifi, 1.5 mi [= 2.4 km] N: FMNH: 7 [7 - **26** - **27**].
9 August 1965: Kenya: Kilifi, 1.5 mi [= 2.4 km] N: FMNH: 1 [1] - National Museums of Kenya: FMNH: 2 [2 - **3** - **3**].
11 August 1965: Kenya: Kilifi Creek, head of: FMNH: 15 [15 - **15** - **15**].
12 August 1965: Kenya: Vipingoni: FMNH: 3 [3] - Vipingoni cave: FMNH: 6, TTU: 1, WNMU: 2 [9 - **12** - **12**].
14 August 1965: Kenya: Taka Ungu: TTU: 1 [1] - Takaungu: FMNH: 2 [2 - **3** - **3**].
15 August 1965: Kenya: Maweni River: FMNH: 2 [2] - Takaungu: FMNH: 5 [5 - **7** - **7**].
16 August 1965: Kenya: Kilifi, 2 mi N: FMNH: 10, WNMU: 1 [11 - **11** - **11**].
17 August 1965: Kenya: Takaungu: FMNH: 1 [1 - **1** - **1**].
20 August 1965: Kenya: Kitale, 20 mi S: FMNH: 3 [3 - **3** - **3**].
22 August 1965: Kenya: Kitale, 20 mi S: FMNH: 1 [1] - Kitale, 20 mi SW: FMNH: 5 [5 - **6** - **6**].
24 August 1965: Kenya: Kitale, 20 mi SW: FMNH: 13 [13 - **13** - **13**].
25 August 1965: Kenya: Kitale, 20 mi S: FMNH: 1 [1] - Kitale, 20 mi SW: FMNH: 5 [5 - **6** - **6**].
26 August 1965: Kenya: Central island: FMNH: 4 [4] - Kitale, 20 mi SW: FMNH: 8 [8] - Murka Mine: FMNH: 8 [8 - **20** - **20**].
27 August 1965: Kenya: Ferguson's Gulf: CM: 1 [1] - Kitale, 20 mi SW: FMNH: 5 [5 - **6** - **6**].
28 August 1965: Kenya: Baringo, lake: FMNH: 7 [7] - Kitale, 20 mi SW: FMNH: 5 [5 - **12** - **12**].
29 August 1965: Kenya: Baringo, lake: FMNH: 1 [1 - **1** - **1**].
30 August 1965: Kenya: Rongai, 5 mi SW: FMNH: 6 [6 - **6** - **6**].
31 August 1965: Kenya: Menengai Crater: FMNH: 3 [3 - **3** - **3**].

11 April 1967: Ghana: Nkawkaw: USNM: 1 [1 - **1** - **1**].
16 July 1967: Ghana: Bator: USNM: 60 [60 - **60** - **60**].
18 July 1967: Ghana: University of Ghana: USNM: 13 [13 - **13** - **13**].
19 July 1967: Ghana: Legon: USNM: 2 [2] - University of Ghana: USNM: 2 [2 - **4** - **4**].
20 July 1967: Ghana: University of Ghana: USNM: 17 [17 - **17** - **17**].
21 July 1967: Ghana: University of Ghana: USNM: 7 [7 - **7** - **7**].
22 July 1967: Ghana: Legon: USNM: 5 [5] - University of Ghana: USNM: 18 [18 - **23** - **23**].
23 July 1967: Ghana: Legon: USNM: 5 [5] - University of Ghana: USNM: 12 [12 - **17** - **17**].
24 July 1967: Ghana: University of Ghana: USNM: 6 [6 - **6** - **6**].
25 July 1967: Ghana: Legon: USNM: 1 [1] - University of Ghana: USNM: 11 [11 - **12** - **12**].
26 July 1967: Ghana: Legon: USNM: 1 [1] - University of Ghana: USNM: 12 [12 - **13** - **13**].
27 July 1967: Ghana: Legon: USNM: 10 [10] - University of Ghana: USNM: 1 [1 - **11** - **11**].
28 July 1967: Ghana: Achimota Forest Reserve: USNM: 9 [9] - Legon: USNM: 4 [4 - **13** - **13**].
30 July 1967: Ghana: Achimota Forest Reserve: USNM: 7 [7] - University of Ghana: USNM: 1 [1 - **8** - **8**].
31 July 1967: Ghana: Aburi Hills: USNM: 1 [1 - **1** - **1**].
1 August 1967: Ghana: Legon: USNM: 1 [1] - University of Ghana: USNM: 10 [10 - **11** - **11**].
2 August 1967: Ghana: Legon: USNM: 2 [2] - University of Ghana: USNM: 21 [21 - **23** - **23**].
5 August 1967: Ghana: Nkawkaw, 1 mi [=1.6 km] N: USNM: 12 [12 - **12** - **12**].
6 August 1967: Ghana: Nkawkaw, 1 mi [=1.6 km] N: USNM: 4 [4 - **4** - **4**].
9 August 1967: Ghana: Nkawkaw, 1 mi [=1.6 km] N: USNM: 4 [4 - **4** - **4**].
10 August 1967: Ghana: Nkawkaw, 1 mi [=1.6 km] N: USNM: 12 [12 - **12** - **12**].
11 August 1967: Ghana: Nkawkaw, 1 mi [=1.6 km] N: USNM: 4 [4 - **4** - **4**].
12 August 1967: Ghana: Nkawkaw, 1 mi [=1.6 km] N: USNM: 11 [11 - **11** - **11**].
17 August 1967: Ghana: Jukwa: USNM: 45 [45] - Saruwi river: USNM: 2 [2 - **47** - **47**].
18 August 1967: Ghana: Jukwa: USNM: 13 [13] - Saruwi river: USNM: 2 [2 - **15** - **15**].
19 August 1967: Ghana: Cape Coast Castle: USNM: 1 [1] - Jukwa: USNM: 13 [13] - Saruwi river: USNM: 1 [1 - **15** - **15**].
20 August 1967: Ghana: Elemina: USNM: 19 [19] - Jukwa: USNM: 7 [7 - **26** - **26**].
21 August 1967: Ghana: Jukwa: USNM: 24 [24 - **24** - **24**].
23 August 1967: Ghana: Prince's Town, 7 mi N: USNM: 5 [5 - **5** - **5**].
24 August 1967: Ghana: Prince's Town, 7 mi [=11.3 km] N: USNM: 1 [1] - Prince's Town, 7 mi N: USNM: 1 [1 - **2** - **2**].
25 August 1967: Ghana: Axim: USNM: 18 [18] - Prince's Town, 7 mi N: USNM: 4 [4 - **22** - **22**].
26 August 1967: Ghana: Anima Krom: USNM: 10 [10 - **10** - **10**].
28 August 1967: Ghana: Legon, 1 mi [=1.6 km] N: USNM: 5 [5] - Legon, 1 mi N: USNM: 3 [3 - **8** - **8**].
29 August 1967: Ghana: Anum: USNM: 5 [5] - Anum, 4 mi S: USNM: 7 [7] - Bame: USNM: 5 [5 - **17** - **17**].
30 August 1967: Ghana: Amedzofe: USNM: 6 [6 - **6** - **6**].
31 August 1967: Ghana: Denu: USNM: 31 [31] - Keta: USNM: 11 [11 - **42** - **42**].
3 December 1967: Ghana: University of Ghana: USNM: 2 [2 - **2** - **2**].
23 June 1968: Kenya: Naivasha, 10 mi [=16 km] W: USNM: 5 [5 - **5** - **5**].
24 June 1968: Kenya: Athi River, 6 mi SE: USNM: 10 [10 - **10** - **10**].
27 June 1968: Kenya: Athi River, 6 mi SE: USNM: 9 [9 - **9** - **9**].
29 June 1968: Kenya: Karen: USNM: 5 [5 - **5** - **5**].
1 July 1968: Kenya: Athi river: USNM: 4 [4 - **4** - **4**].
2 July 1968: Kenya: Athi river: USNM: 7 [7 - **7** - **7**].
3 July 1968: Kenya: Kiambu: USNM: 1 [1] - Kiboko: USNM: 15 [15 - **16** - **16**].
4 July 1968: Kenya: Kiambu: USNM: 7 [7] - Kiboko: USNM: 58 [58] - Kiboko, 12 mi [= 19 km] S: USNM: 36 [36 - **101** - **101**].
5 July 1968: Kenya: Kiboko: USNM: 8 [8 - **8** - **8**].
6 July 1968: Kenya: Kiboko: USNM: 7 [7 - **7** - **7**].
7 July 1968: Kenya: Mtito Andei: USNM: 1 [1 - **1** - **1**].
8 July 1968: Kenya: Mtito Andei: USNM: 49 [49] - Mtito, Andei, 4 mi N: USNM: 1 [1 - **50** - **50**].
9 July 1968: Kenya: Mtito Andei: USNM: 38 [38 - **38** - **38**].
10 July 1968: Kenya: Irima: USNM: 20 [20] - Kitale, 12 mi W: USNM: 1 [1] - Voi: USNM: 5 [5] - Voi, 2 mi [= 3.2 km] N: USNM: 2 [2 - **28** - **28**].
11 July 1968: Kenya: Voi: USNM: 4 [4 - **4** - **4**].
12 July 1968: Kenya: Kibwezi: USNM: 20 [20 - **20** - **20**].
13 July 1968: Kenya: Kiboko: USNM: 36 [36] - Kiboko station: USNM: 1 [1 - **37** - **37**].
16 July 1968: Kenya: Karen: USNM: 16 [16] - Karen, 10 mi]=16 km] SW: USNM: 2 [2 - **18** - **18**].
18 July 1968: Kenya: Karen: USNM: 8 [8] - Karen, 10 mi]=16 km] SW: USNM: 25 [25 - **33** - **33**].
22 July 1968: Kenya: Menengai Crater, Mengengai cave: USNM: 29 [29 - **29** - **29**].
23 July 1968: Kenya: Menengai Crater: USNM: 1 [1] - Menengai Crater, Mengengai cave: USNM: 11 [11 - **12** - **12**].
24 July 1968: Kenya: Kitale: USNM: 2 [2 - **2** - **2**].
25 July 1968: Kenya: Kitale: USNM: 3 [3] - Saboti, 3 mi [= 4.8 km] SE: USNM: 52 [52 - **55** - **55**].
27 July 1968: Kenya: Hoey's bridge: USNM: 1 [1] - Kitale: USNM: 2 [2] - Sigor, 2 mi [=3.2 km] S: FMNH: 3 [3 - **6** - **6**].
29 July 1968: Kenya: Kitale, 12 mi W: USNM: 9 [9 - **9** - **9**].
30 July 1968: Kenya: Kitale, 12 mi W: USNM: 48 [48 - **48** - **48**].
1 August 1968: Kenya: Kitale: USNM: 1 [1] - Kitale, 12 mi W: USNM: 12 [12 - **13** - **13**].
2 August 1968: Kenya: Kongelai, 3 mi S: USNM: 14 [14 - **14** - **14**].
3 August 1968: Kenya: Kongelai, 3 mi S: USNM: 8 [8 - **8** - **8**].
4 August 1968: Kenya: Nakuchett: USNM: 5 [5 - **5** - **5**].
5 August 1968: Uganda: Amudat: USNM: 9 [9 - **9** - **9**].
6 August 1968: Uganda: Amudat: USNM: 2 [2 - **2** - **2**].
7 August 1968: Kenya: Endebess, 3 mi W: USNM: 51 [51 - **51** - **51**].
8 August 1968: Kenya: Endebess, 3 mi W: USNM: 1 [1] - Kitale, 12 mi W: USNM: 3 [3] - Kongelai, 12 mi W: USNM: 1 [1 - **5** - **5**].
10 August 1968: Kenya: Kitale: USNM: 11 [11] - Kitale, 12 mi W: USNM: 1 [1] - Kongelai, 12 mi W: USNM: 4 [4 - **16** - **16**].
11 August 1968: Kenya: Hoey's bridge: USNM: 1 [1] - Kitale: USNM: 7 [7 - **8** - **8**].
12 August 1968: Kenya: Kitale, 25 mi [=40 km] NW: USNM: 2 [2 - **2** - **2**].

13 August 1968: Kenya: Kitale: USNM: 11 [11] - Kitale, 12 mi W: USNM: 3 [3 - **14** - **14**].
14 August 1968: Kenya: Mole: USNM: 1 [1 - **1** - **1**].
17 August 1968: Kenya: Molo, 4 mi [=6.4 km] E: USNM: 2 [2 - **2** - **2**].
19 August 1968: Kenya: Nakuru: USNM: 13 [13 - **13** - **13**].
20 August 1968: Kenya: Nakuru: USNM: 47 [47] - Nakuru, 2 mi S: USNM: 1 [1 - **48** - **48**].
21 August 1968: Kenya: Molo, 4 mi [=6.4 km] E: USNM: 5 [5 - **5** - **5**].
22 August 1968: Kenya: Mogotio, 3 mi [= 4.8 km] N: USNM: 4 [4 - **4** - **4**].
23 August 1968: Kenya: Lake Hannigton, 3 mi W: USNM: 4 [4] - Maji Moto: USNM: 11 [11 - **15** - **15**].
24 August 1968: Kenya: Lake Hannigton, 3 mi W: USNM: 1 [1] - Maji Mota: USNM: 2 [2] - Maji Moto: USNM: 24 [24 - **27** - **27**].
25 August 1968: Kenya: Maji Mota: USNM: 1 [1] - Maji Moto: USNM: 24 [24 - **25** - **25**].
26 August 1968: Kenya: Kampi Ya Samaki: USNM: 6 [6] - Kampy Ya Samaki, near: USNM: 9 [9] - Kornpuoamaki: USNM: 1 [1] - Maragat, 15 mi [= 24 km] N: USNM: 15 [15] - Marigat: USNM: 3 [3 - **34** - **34**].
27 August 1968: Kenya: Kampi Ya Samaki: USNM: 35 [35] - Maragat, 15 mi [= 24 km] N: USNM: 4 [4 - **39** - **39**].
9 July 1969: Kenya: Mtito Andei: USNM: 4 [4 - **4** - **4**].
17 August 1971: South Africa: Rhenlagen: FMNH: 1 [1] - Uvongo: WNMU: 2 [2] - Uvongo Beach: FMNH: 9 [9] - Uvongo Beach, in Eucalyptus plantation: FMNH: 1 [1 - **13** - **13**].
18 August 1971: South Africa: Uvongo: FMNH: 11 [11] - Uvongo Beach: FMNH: 1 [1 - **12** - **12**].
21 August 1971: South Africa: Uvongo: WNMU: 2 [2] - Uvongo Beach: FMNH: 2 [2 - **4** - **4**].
22 August 1971: South Africa: Uvongo Beach: FMNH: 2 [2 - **2** - **2**].
23 August 1971: South Africa: Uvongo: WNMU: 1 [1] - Uvongo Beach: FMNH: 5 [5 - **6** - **6**].
27 August 1971: South Africa: Uvongo Beach: FMNH: 1 [1 - **1** - **1**].
29 August 1971: South Africa: Uvongo: WNMU: 2 [2] - Uvongo Beach: FMNH: 2 [2 - **4** - **4**].
30 August 1971: South Africa: Uvongo: WNMU: 1 [1] - Uvongo Beach: FMNH: 2 [2 - **3** - **3**].
31 August 1971: South Africa: Uvongo: WNMU: 2 [2] - Uvongo Beach: FMNH: 6 [6 - **8** - **8**].
3 July 1974: Kenya: Bushwacker's Safari Camp: FMNH: 2 [2 - **2** - **2**].
25 July 1974: Zambia: Choma, 12 mi [= 19 km] NW: FMNH: 9 [9 - **9** - **9**].
26 July 1974: Zambia: Choma, 12 mi [= 19 km] NW: FMNH: 5 [5 - **5** - **5**].
1 August 1974: Zimbabwe: Wankie-NP: FMNH: 24 [24 - **24** - **24**].
3 August 1974: Zimbabwe: Dahlia, 4 mi [=6.5 km] E: FMNH: 1 [1] - Wankie-NP: FMNH: 2 [2 - **3** - **3**].
4 August 1974: Zimbabwe: Dahlia, 4 mi [=6.5 km] E: FMNH: 3 [3 - **3** - **3**].
5 August 1974: Zimbabwe: Dett: FMNH: 31 [31 - **31** - **31**].
6 August 1974: Zimbabwe: Wankie-NP: FMNH: 19, WNMU: 4 [23 - **23** - **23**].
7 August 1974: Zimbabwe: Wankie-NP: FMNH: 2 [2 - **2** - **2**].
8 August 1974: Zimbabwe: Dahlia, 5 mi [= 8 km] W: FMNH: 33 [33 - **33** - **33**].
13 August 1974: Zimbabwe: Zimbabwe National Park, 4 mi [=7.2 km] S: FMNH: 11 [11 - **11** - **11**].
4 May 1975: Tunisia: Cape Bon: WNMU: 1 [1 - **1** - **1**].
9 May 1975: Tunisia: Djebel Besass: FMNH: 3 [3 - **3** - **3**].
11 May 1975: Tunisia: Nefza, 6 km W: FMNH: 2, TTU: 1 [3 - **3** - **3**].
25 May 1975: Tunisia: Tozeur, 12 km N: FMNH: 2 [2 - **2** - **2**].
27 May 1975: Tunisia: near Aioun Ameur: FMNH: 3 [3] - on road to Aioun Ameur, cave with mine, mistnetted at high roost: TTU: 1 [1] - on road to Aioun Ameur, night roost in escarpment: TTU: 1 [1] - Redeyef, 4 km S: TTU: 4 [4 - **9** - **9**].
8 August 1975: Zimbabwe: Dahlia, 5 mi [= 8 km] W: FMNH: 1 [1 - **1** - **1**].
5 February 1997: Uganda: Ruhiza: FMNH: 6 [6 - **6** - **6**].
6 February 1997: Uganda: Ruhiza: FMNH: 1 [1 - **1** - **1**].
23 February 1997: Uganda: Bwindi-Impenetrable National Park: FMNH: 4 [4 - **4** - **4**].
24 February 1997: Uganda: Bwindi-Impenetrable National Park: FMNH: 1 [1 - **1** - **1**].
25 February 1997: Uganda: Bwindi-Impenetrable National Park: FMNH: 2 [2 - **2** - **2**].
26 February 1997: Uganda: Bwindi-Impenetrable National Park: FMNH: 3 [3 - **3** - **3**].
28 February 1997: Uganda: Bwindi-Impenetrable National Park: FMNH: 3 [3 - **3** - **3**].
1 March 1997: Uganda: Bwindi-Impenetrable National Park: FMNH: 4 [4 - **4** - **4**].
2 March 1997: Uganda: Bwindi-Impenetrable National Park: FMNH: 1 [1 - **1** - **1**].
5 March 1997: Uganda: Byumba: FMNH: 5 [5 - **5** - **5**].
6 March 1997: Uganda: Byumba: FMNH: 7 [7 - **7** - **7**].
7 March 1997: Uganda: Byumba: FMNH: 5 [5 - **5** - **5**].
8 March 1997: Uganda: Byumba: FMNH: 1 [1 - **1** - **1**].
9 March 1997: Uganda: Byumba: FMNH: 2 [2 - **2** - **2**].
10 March 1997: Uganda: Byumba: FMNH: 9 [9 - **9** - **9**].
11 March 1997: Uganda: Byumba: FMNH: 6 [6 - **6** - **6**].
12 March 1997: Uganda: Byumba: FMNH: 3 [3 - **3** - **3**].

Total Specimens for Hayward, Bruce Joliffe: 2412

Hayward, Bruce Joliffe; Harrington, L.

23 August 1968: Kenya: Maji Moto, 3 mi W: USNM: 1 [1 - **1** - **1**].

Total Specimens for Hayward, Bruce Joliffe; Harrington, L.: 1

Hayward, Bruce Joliffe; Start, Anthony N.

31 August 1965: Kenya: Menengai Crater, cave at S rim: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Hayward, Bruce Joliffe; Start, Anthony N.: 2

Haywood, B.

19 August 1967: Ghana: Cape Coast Castle: USNM: 1 [1 - **1** - **1**].
20 August 1967: Ghana: Elemina: USNM: 1 [1 - **1** - **1**].

Total Specimens for Haywood, B.: 2

Hearst, M.G.

25 October 1969: Morocco: Tanger, 13 km W: USNM: 8 [8 - **8** - **8**].
5 November 1969: Morocco: Assa: USNM: 11 [11 - **11** - **11**].
23 February 1970: Morocco: Ouarzazate, 6 km N: USNM: 2 [2 - **2** - **2**].
24 February 1970: Morocco: Ouarzazate, 5 km S: USNM: 2 [2 - **2** - **2**].
26 February 1970: Morocco: Ouarzazate, 9 km SE: USNM: 1 [1 - **1** - **1**].
4 March 1970: Morocco: Ouarzazate, 3 km NW: USNM: 2 [2] - Tazarine: USNM: 1 [1] - Tazarine, 3 km NW: USNM: 1 [1 - **4** - **4**].
5 March 1970: Morocco: Tazarine, 3 km NW: USNM: 20 [20 - **20** - **20**].
10 March 1970: Morocco: Foum Zguid: USNM: 2 [2] - Foum Zguid, 4 km S: USNM: 1 [1 - **3** - **3**].
16 March 1970: Morocco: Tata, 15 km S: USNM: 1 [1] - Tata, 8 km N: USNM: 6 [6 - **7** - **7**].
17 March 1970: Morocco: Tata, 15 km S: USNM: 2 [2 - **2** - **2**].
15 April 1970: Morocco: Safi, 13 km S: USNM: 5 [5 - **5** - **5**].
18 April 1970: Morocco: Safi, 13 km S: USNM: 1 [1 - **1** - **1**].
22 April 1970: Morocco: Mechra Benabbou, 11 km SE: USNM: 32 [32 - **32** - **32**].
5 May 1970: Morocco: Tiflet, 21 km W: USNM: 5 [5 - **5** - **5**].
6 May 1970: Morocco: Tiflet, 15 km W: USNM: 6 [6 - **6** - **6**].
11 May 1970: Morocco: Larache, 20 km S: USNM: 1 [1 - **1** - **1**].
13 May 1970: Morocco: Hercules caves: USNM: 41 [41 - **41** - **41**].
14 May 1970: Morocco: Hercules caves: USNM: 47 [47 - **47** - **47**].
21 May 1970: Morocco: Chechaouen: USNM: 22 [22 - **22** - **22**].
25 May 1970: Morocco: Chechaouen: USNM: 5 [5 - **5** - **5**].
28 May 1970: Morocco: Al Hoceima, 9 km SE: USNM: 3 [3 - **3** - **3**].
30 May 1970: Morocco: Al Hoceima: USNM: 45 [45 - **45** - **45**].
3 June 1970: Morocco: Taforalt, 3 km NE: USNM: 2 [2] - Taforalt, 9 km NE: USNM: 30 [30 - **32** - **32**].
5 June 1970: Morocco: Taforalt, 9 km NE: USNM: 57 [57 - **57** - **57**].
16 June 1970: Morocco: Taza, 13 km S: USNM: 1 [1 - **1** - **1**].
28 June 1970: Morocco: Missour: USNM: 1 [1 - **1** - **1**].
29 June 1970: Morocco: Missour, 15 km SW: USNM: 1 [1 - **1** - **1**].
1 July 1970: Morocco: Missour, 15 km SW: USNM: 3 [3 - **3** - **3**].
2 July 1970: Morocco: Anoual: USNM: 2 [2 - **2** - **2**].
16 July 1970: Morocco: Tata, 8 km N: USNM: 1 [1 - **1** - **1**].
18 July 1970: Morocco: Ouarzazate, 19 km E: USNM: 28 [28] - Ouarzazate, 5 km SE: USNM: 6 [6 - **34** - **34**].
19 July 1970: Morocco: Ouarzazate, 19 km E: USNM: 17 [17 - **17** - **17**].
18 September 1970: Morocco: Ouarzazate, 19 km E: USNM: 1 [1 - **1** - **1**].

Total Specimens for Hearst, M.G.: 423

Hecq, Célestin
(1859: Alost - 1910: Liège)

Collection Date Unknown: Congo (Democratic Republic of the): Albertville: RMCA: 3 [3] - Tanganyika: RMCA: 1 [1 - **4** - **4**].
29 March 1953: Congo (Democratic Republic of the): Mahagi Port: BMNH: 1, RMCA: 1 [2 - **2** - **2**].
19 May 1953: Congo (Democratic Republic of the): Nioka: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Hecq, Célestin: 7

Hedenborg

Collection Date Unknown: Sudan: Sennar: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Hedenborg: 1

Hediger; Verschuren, Jacques

5 April 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
9 April 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
16 April 1948: Congo (Democratic Republic of the): Wilibadi river: RBINS: 4 [4 - **4** - **4**].
6 May 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].
7 May 1948: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Hediger; Verschuren, Jacques: 8

Heidenreich, Chris E.

12 November 1973: Congo (Democratic Republic of the): Kabwe: WNMU: 1 [1 - **1** - **1**].

Total Specimens for Heidenreich, Chris E.: 1

Heim de Balsac, Henri
(1 January 1899: Paris - 27 November 1979: Paris)

Collection Date Unknown: "Africa": Unknown locality: MNHN: 1 [1 - **1** - **1**].
1 August 1931: "Africa": Unknown locality: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Heim de Balsac, Henri: 3

Heinrich, Gerd H.
(1896 -)

Collection Date Unknown: Angola: N'zeto: FMNH: 10 [10 - **10**].
Tanzania: Dar es Salaam, 9 mi [= 14.5 km] N: YPM: 1 [1 - **1** - **11**].
1 January 1954: Angola: Canzele: FMNH: 1 [1] - Luhanda: FMNH: 13 [13] - N'zeto: FMNH: 4 [4 - **18** - **18**].
26 January 1954: Angola: Nóqui: FMNH: 12 [12 - **12** - **12**].
1 February 1954: Angola: N'zeto: FMNH: 3 [3 - **3** - **3**].
2 March 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
5 March 1954: Angola: Canzele: FMNH: 4 [4 - **4** - **4**].
8 March 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
9 March 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
10 March 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
13 March 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
14 March 1954: Angola: Canzele: FMNH: 4 [4 - **4** - **4**].
15 March 1954: Angola: Canzele: FMNH: 2 [2 - **2** - **2**].
19 March 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
23 March 1954: Angola: Canzele: FMNH: 2 [2 - **2** - **2**].
25 March 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
27 March 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
28 March 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
29 March 1954: Angola: Canzele: FMNH: 2 [2 - **2** - **2**].
1 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
3 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
4 April 1954: Angola: Jau: FMNH: 1 [1 - **1** - **1**].
5 April 1954: Angola: Canzele: FMNH: 3 [3 - **3** - **3**].
6 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
8 April 1954: Angola: Canzele: FMNH: 3 [3 - **3** - **3**].
9 April 1954: Angola: Canzele: FMNH: 11 [11 - **11** - **11**].
10 April 1954: Angola: Canzele: FMNH: 5 [5 - **5** - **5**].
11 April 1954: Angola: Canzele: FMNH: 3 [3 - **3** - **3**].
12 April 1954: Angola: Canzele: FMNH: 3 [3 - **3** - **3**].
13 April 1954: Angola: Canzele: FMNH: 6 [6 - **6** - **6**].
14 April 1954: Angola: Canzele: FMNH: 2 [2 - **2** - **2**].
15 April 1954: Angola: Canzele: FMNH: 6 [6 - **6** - **6**].
17 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
19 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
23 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
24 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
26 April 1954: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
28 April 1954: Angola: Huila: FMNH: 1 [1 - **1** - **1**].
1 June 1954: Angola: Duque de Braganca, 25 km N, 15 km E: FMNH: 1 [1 - **1** - **1**].
17 June 1954: Angola: Luhanda: FMNH: 1 [1 - **1** - **1**].
18 June 1954: Angola: Luhanda: FMNH: 2 [2 - **2** - **2**].
20 June 1954: Angola: Luhanda: FMNH: 1 [1 - **1** - **1**].
23 June 1954: Angola: Luhanda: FMNH: 1 [1 - **1** - **1**].
15 July 1954: Angola: Mucoso: FMNH: 39 [39 - **39** - **39**].
20 July 1954: Angola: Gabela, 30 km S: FMNH: 1 [1 - **1** - **1**].
27 July 1954: Angola: Gabela, 30 km S: FMNH: 2 [2 - **2** - **2**].
29 July 1954: Angola: Gabela, 30 km S: FMNH: 1 [1 - **1** - **1**].
24 August 1954: Angola: Monte Soque: FMNH: 1 [1 - **1** - **1**].
25 August 1954: Angola: Monte Soque: FMNH: 1 [1 - **1** - **1**].
26 August 1954: Angola: Monte Soque: FMNH: 1 [1 - **1** - **1**].
27 August 1954: Angola: Monte Soque: FMNH: 2 [2 - **2** - **2**].
28 August 1954: Angola: Monte Soque: FMNH: 1 [1 - **1** - **1**].
30 August 1954: Angola: Monte Soque: FMNH: 1 [1 - **1** - **1**].
31 August 1954: Angola: Monte Soque: FMNH: 1 [1 - **1** - **1**].
3 September 1954: Angola: Monte Soque: FMNH: 1 [1 - **1** - **1**].
3 October 1954: Angola: Moco, mount: FMNH: 1 [1 - **1** - **1**].
9 October 1954: Angola: Moco, mount: FMNH: 1 [1 - **1** - **1**].
10 October 1954: Angola: Moco, mount: FMNH: 1 [1 - **1** - **1**].
26 November 1954: Angola: Huila: FMNH: 4 [4 - **4** - **4**].
30 November 1954: Angola: Huila: FMNH: 13 [13 - **13** - **13**].
2 December 1954: Angola: Huila: FMNH: 9 [9 - **9** - **9**].
4 December 1954: Angola: Huila: FMNH: 1 [1] - Jau: FMNH: 51 [51 - **52** - **52**].
28 December 1954: Angola: Huila: FMNH: 1 [1 - **1** - **1**].
29 December 1954: Angola: Huila: FMNH: 1 [1 - **1** - **1**].

30 December 1954: Angola: Huila: FMNH: 2 [2 - **2** - **2**].
31 December 1954: Angola: Huila: FMNH: 8 [8 - **8** - **8**].
23 January 1955: Angola: Dondo: FMNH: 1 [1 - **1** - **1**].
2 April 1955: Angola: Canzele: FMNH: 1 [1 - **1** - **1**].
26 November 1955: Angola: Huila: FMNH: 1 [1 - **1** - **1**].
18 September 1957: Angola: Roça Cansele: YPM: 2 [2 - **2** - **2**].
29 November 1957: Angola: Duque de Braganca, 42 km N: YPM: 1 [1 - **1** - **1**].
15 January 1958: Angola: Calulo, 40 km E: YPM: 1 [1 - **1** - **1**].
15 February 1958: Angola: Rio Luachimo: YPM: 1 [1 - **1** - **1**].
25 February 1958: Angola: Rio Luachimo: YPM: 1 [1 - **1** - **1**].
26 February 1958: Angola: Rio Luachimo: YPM: 2 [2 - **2** - **2**].
28 February 1958: Angola: Rio Luachimo: YPM: 1 [1 - **1** - **1**].
1 March 1958: Angola: Rio Luachimo: YPM: 1 [1 - **1** - **1**].
8 March 1958: Angola: Cambo, 60 km N: YPM: 1 [1 - **1** - **1**].
21 March 1958: Angola: Carumba lake: YPM: 1 [1 - **1** - **1**].
11 April 1958: Angola: Rio Kassai: YPM: 1 [1 - **1** - **1**].
5 October 1961: Tanzania: Dar es Salaam, 9 mi [= 14.5 km] N: YPM: 2 [2 - **2** - **2**].
25 October 1961: Tanzania: Dar es Salaam, 5 mi [= 8 km] NW: YPM: 1 [1 - **1** - **1**].
15 December 1961: Tanzania: Uluguru mountains: YPM: 1 [1 - **1** - **1**].
29 December 1961: Tanzania: Morogoro, near: YPM: 1 [1 - **1** - **1**].
16 March 1962: Tanzania: Shume, near: YPM: 1 [1 - **1** - **1**].
4 April 1962: Tanzania: Amani: YPM: 1 [1 - **1** - **1**].
11 April 1962: Tanzania: Amani: YPM: 2 [2 - **2** - **2**].
18 April 1962: Tanzania: Amani: YPM: 1 [1 - **1** - **1**].
29 April 1962: Tanzania: Amani: YPM: 1 [1 - **1** - **1**].
3 May 1962: Tanzania: Morogoro, near: YPM: 1 [1 - **1** - **1**].
4 June 1962: Tanzania: Amani: YPM: 1 [1 - **1** - **1**].
15 September 1962: Tanzania: Itanga: YPM: 1 [1 - **1** - **1**].
22 September 1962: Tanzania: Itanga: YPM: 1 [1 - **1** - **1**].
9 October 1962: Tanzania: Mdandu Forest: YPM: 1 [1 - **1** - **1**].
8 January 1963: Tanzania: Chimala: YPM: 3 [3 - **3** - **3**].
12 January 1963: Tanzania: Chimala: YPM: 1 [1 - **1** - **1**].

Total Specimens for Heinrich, Gerd H.: 306

Heist, T.A.

22 April 1964: South Africa: Mkuzi Game Reserve: USNM: 1 [1 - **1** - **1**].
4 May 1964: South Africa: Manguzi village: USNM: 1 [1 - **1** - **1**].

Total Specimens for Heist, T.A.: 2

Heisterberg, B.L.

19 November 1974: Burkina Faso: Nobéré, 12 km S: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Heisterberg, B.L.: 1

Heisterberg, Jon F.

30 August 1972: Burkina Faso: Nobéré, 1 km S: USNM: 1 [1 - **1** - **1**].
31 August 1972: Burkina Faso: Nobéré, 1 km S: USNM: 1 [1 - **1** - **1**].
1 September 1972: Burkina Faso: Nobéré, 1 km S: AMNH: 1, USNM: 1 [2 - **2** - **2**].
4 September 1972: Burkina Faso: Nobéré, 1 km S: AMNH: 1 [1 - **1** - **1**].
7 September 1972: Burkina Faso: Nobéré, 1 km S: AMNH: 1 [1 - **1** - **1**].
12 September 1972: Burkina Faso: Nobéré, 1 km S: USNM: 1 [1 - **1** - **1**].
17 November 1972: Burkina Faso: Nobéré, 1 km S: USNM: 1 [1 - **1** - **1**].
27 November 1972: Burkina Faso: Nobéré, 1 km S: USNM: 6 [6 - **6** - **6**].
1 December 1972: Burkina Faso: Nobéré, 1 km S: USNM: 3 [3 - **3** - **3**].
4 December 1972: Burkina Faso: Nobéré, 1 km S: USNM: 1 [1 - **1** - **1**].
14 December 1972: Burkina Faso: Nobéré, 1 km S: USNM: 1 [1 - **1** - **1**].
29 December 1972: Burkina Faso: Boromo: USNM: 5 [5 - **5** - **5**].
8 November 1973: Burkina Faso: Nobéré, 1 km S: AMNH: 1 [1 - **1** - **1**].
15 November 1973: Burkina Faso: Nobéré, 1 km S: AMNH: 1 [1 - **1** - **1**].
24 November 1973: Burkina Faso: Nobéré, 1 km S: AMNH: 1 [1 - **1** - **1**].
23 February 1974: Burkina Faso: Nobéré, 1 km S: AMNH: 1 [1 - **1** - **1**].
20 January 1975: Burkina Faso: Red Volta River: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Heisterberg, Jon F.: 29

Helgen, Kristofer M.

Collection Date Unknown: Botswana: Jao [Camp]: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Helgen, Kristofer M.: 2

Heller, Edmund
(21 May 1875: Freepont - 18 July 1939;)

Collection Date Unknown: Kenya: Kijabe: AMNH: 1 [1] - Marsabit road: USNM: 1 [1] - Taita: USNM: 1 [1 - **3** - **3**].
22 November 1905: Kenya: Athi river: FMNH: 1 [1 - **1** - **1**].
24 November 1905: Kenya: Athi river: FMNH: 3 [3 - **3** - **3**].
8 December 1905: Kenya: Lukenya, mount: FMNH: 1 [1 - **1** - **1**].
14 December 1905: Kenya: Lukenya, mount: FMNH: 1 [1 - **1** - **1**].
26 December 1905: Kenya: Lukenya, mount: FMNH: 1 [1 - **1** - **1**].
27 December 1905: Kenya: Lukenya, mount: FMNH: 1 [1 - **1** - **1**].
12 January 1906: Kenya: Kijabe: AMNH: 1, FMNH: 12 [13 - **13** - **13**].
15 April 1906: Kenya: Sagalla: FMNH: 1 [1 - **1** - **1**].
31 March 1909: Kenya: Nairobi: USNM: 1 [1 - **1** - **1**].
23 May 1909: Kenya: Katalembo: USNM: 1 [1 - **1** - **1**].
31 May 1909: Kenya: Nairobi: USNM: 2 [2 - **2** - **2**].
20 June 1909: Kenya: Guaso Nyiro: USNM: 21 [21] - Sotik: USNM: 2 [2 - **23** - **23**].
3 July 1909: Kenya: Sotik: USNM: 1 [1 - **1** - **1**].
18 July 1909: Kenya: Lake Naivasha: USNM: 8 [8 - **8** - **8**].
20 July 1909: Kenya: Lake Naivasha: USNM: 3 [3 - **3** - **3**].
24 July 1909: Kenya: Lake Naivasha: USNM: 1 [1 - **1** - **1**].
27 August 1909: Kenya: Mount Kenya, W side: USNM: 1 [1 - **1** - **1**].
12 November 1909: Kenya: Guas Ngishu plateau: USNM: 1 [1 - **1** - **1**].
7 February 1910: South Sudan: Nimule: USNM: 1 [1 - **1** - **1**].
16 February 1910: South Sudan: Nimule: USNM: 5 [5 - **5** - **5**].
28 February 1910: South Sudan: Mongalla: USNM: 8 [8 - **8** - **8**].
1 March 1910: South Sudan: Bor: USNM: 5 [5 - **5** - **5**].
2 March 1910: South Sudan: Bor: USNM: 4 [4] - Shambe: USNM: 2 [2 - **6** - **6**].
22 March 1910: Sudan: Khartoum: USNM: 7 [7 - **7** - **7**].
19 February 1911: Kenya: Kisumu district: USNM: 1 [1 - **1** - **1**].
8 April 1911: Kenya: Mtito Andei: FMNH: 1, USNM: 16 [17 - **17** - **17**].
4 May 1911: Kenya: Sotik: USNM: 1 [1 - **1** - **1**].
24 May 1911: Kenya: Sotik: USNM: 3 [3 - **3** - **3**].
7 July 1911: Kenya: Lakiundu River: USNM: 2 [2 - **2** - **2**].
8 July 1911: Kenya: Lakiundu River: USNM: 1 [1 - **1** - **1**].
10 July 1911: Kenya: Guaso Nyiro: USNM: 1 [1] - Lakiundu River: USNM: 1 [1 - **2** - **2**].
11 July 1911: Kenya: Lakiundu River: USNM: 5 [5 - **5** - **5**].
12 July 1911: Kenya: Lakiundu River: USNM: 6 [6 - **6** - **6**].
14 July 1911: Kenya: Lakiundu River: USNM: 4 [4 - **4** - **4**].
16 July 1911: Kenya: Lakiundu River: USNM: 5 [5 - **5** - **5**].
18 July 1911: Kenya: Archer's Post: USNM: 3 [3 - **3** - **3**].
20 July 1911: Kenya: Marsabit road: USNM: 4 [4 - **4** - **4**].
22 July 1911: Kenya: Merelle Water: USNM: 1 [1 - **1** - **1**].
26 July 1911: Kenya: Marsabit road: USNM: 3 [3 - **3** - **3**].
28 July 1911: Kenya: Marsabit road: USNM: 4 [4 - **4** - **4**].
31 July 1911: Kenya: Marsabit road: USNM: 1 [1] - Northern Guaso Nyiro: USNM: 1 [1 - **2** - **2**].
4 August 1911: Kenya: Marsabit road: USNM: 2 [2 - **2** - **2**].
13 August 1911: Kenya: Archer's Post: USNM: 1 [1 - **1** - **1**].
14 August 1911: Kenya: Archer's Post: USNM: 1 [1 - **1** - **1**].
15 August 1911: Kenya: Archer's Post: USNM: 1 [1 - **1** - **1**].
16 August 1911: Kenya: Archer's Post: USNM: 7 [7 - **7** - **7**].
19 August 1911: Kenya: Archer's Post: USNM: 4 [4 - **4** - **4**].
26 August 1911: Kenya: Gargues, mount [summit]: USNM: 5 [5 - **5** - **5**].
31 August 1911: Kenya: Archer's Post: USNM: 1 [1 - **1** - **1**].
22 September 1911: Kenya: Mount Lolokwi: USNM: 3 [3 - **3** - **3**].
2 October 1911: Kenya: Turah: USNM: 1 [1 - **1** - **1**].
4 October 1911: Kenya: Lower Ngare Nyuki: USNM: 11 [11] - Northern Guaso Nyiro: USNM: 4 [4 - **15** - **15**].
29 October 1911: Kenya: Voi: USNM: 1 [1 - **1** - **1**].
27 December 1911: Kenya: Mazeras: USNM: 3 [3 - **3** - **3**].
9 February 1912: Kenya: Kisumu: USNM: 2 [2 - **2** - **2**].
19 February 1912: Kenya: Kisumu: USNM: 4 [4 - **4** - **4**].
28 February 1924: Congo (Democratic Republic of the): Walikale: USNM: 1 [1 - **1** - **1**].
23 March 1924: Congo (Democratic Republic of the): Musenge village: FMNH: 1 [1 - **1** - **1**].
24 March 1924: Congo (Democratic Republic of the): Musenge village: FMNH: 1 [1 - **1** - **1**].
15 June 1924: Congo (Democratic Republic of the): Moera's Village: FMNH: 2 [2 - **2** - **2**].
27 July 1924: Congo (Democratic Republic of the): Catchpole's Farm: FMNH: 1 [1 - **1** - **1**].
28 July 1924: Congo (Democratic Republic of the): Catchpole's Farm: FMNH: 1 [1 - **1** - **1**].
29 July 1924: Congo (Democratic Republic of the): Catchpole's Farm: FMNH: 1 [1 - **1** - **1**].
27 August 1924: Congo (Democratic Republic of the): Catchpole's Farm: FMNH: 1 [1 - **1** - **1**].
28 August 1924: Congo (Democratic Republic of the): Catchpole's Farm: FMNH: 1 [1 - **1** - **1**].
24 October 1924: Congo (Democratic Republic of the): Catchpole's Farm: FMNH: 1 [1 - **1** - **1**].
30 November 1924: Congo (Democratic Republic of the): Irumu: FMNH: 1 [1 - **1** - **1**].
10 December 1924: Congo (Democratic Republic of the): Irumu: FMNH: 1 [1 - **1** - **1**].
2 January 1925: Uganda: Lake Bunyoni: USNM: 1 [1 - **1** - **1**].
21 January 1925: Congo (Democratic Republic of the): Kalonge: FMNH: 1 [1 - **1** - **1**].

1 February 1925: Congo (Democratic Republic of the): Old Kalonge: FMNH: 1 [1 - **1** - **1**].
2 February 1925: Congo (Democratic Republic of the): Old Kalonge: FMNH: 1 [1 - **1** - **1**].
3 February 1925: Congo (Democratic Republic of the): Old Kalonge: FMNH: 2 [2 - **2** - **2**].
4 February 1925: Congo (Democratic Republic of the): Old Kalonge: FMNH: 2 [2 - **2** - **2**].
5 February 1925: Congo (Democratic Republic of the): Old Kalonge: USNM: 1 [1 - **1** - **1**].
8 February 1925: Congo (Democratic Republic of the): Old Kalonge: FMNH: 2 [2 - **2** - **2**].
8 March 1925: Congo (Democratic Republic of the): Beni: FMNH: 3, MCZ: 1 [4 - **4** - **4**].
9 March 1925: Congo (Democratic Republic of the): Beni: FMNH: 1 [1] - Mambabwanga Hill: FMNH: 1 [1 - **2** - **2**].
11 March 1925: Congo (Democratic Republic of the): Beni: FMNH: 1 [1 - **1** - **1**].
18 March 1925: Congo (Democratic Republic of the): Beni: FMNH: 1 [1 - **1** - **1**].
22 March 1925: Congo (Democratic Republic of the): Beni: FMNH: 2 [2 - **2** - **2**].
24 March 1925: Congo (Democratic Republic of the): Beni: FMNH: 2 [2 - **2** - **2**].
28 March 1925: Congo (Democratic Republic of the): Beni: FMNH: 6 [6 - **6** - **6**].
13 April 1925: Congo (Democratic Republic of the): Batala's Village: FMNH: 11 [11 - **11** - **11**].
16 April 1925: Congo (Democratic Republic of the): Batala's Village: FMNH: 27, ZMUC: 3 [30 - **30** - **30**].
30 July 1925: Congo (Democratic Republic of the): Rutshuru: FMNH: 1 [1 - **1** - **1**].
31 July 1925: Congo (Democratic Republic of the): Rutshuru: FMNH: 1 [1 - **1** - **1**].
1 August 1925: Congo (Democratic Republic of the): Rutshuru: FMNH: 2 [2 - **2** - **2**].
3 August 1925: Congo (Democratic Republic of the): Rutshuru: FMNH: 3 [3 - **3** - **3**].
9 August 1925: Congo (Democratic Republic of the): Rutshuru: FMNH: 2 [2 - **2** - **2**].
23 August 1925: Congo (Democratic Republic of the): Rutshuru: FMNH: 1 [1 - **1** - **1**].
30 August 1925: Congo (Democratic Republic of the): Rutshuru: FMNH: 2 [2 - **2** - **2**].
15 November 1925: Uganda: Lake Bunyoni: FMNH: 7, MCZ: 1 [8 - **8** - **8**].
16 November 1925: Uganda: Lake Bunyoni: FMNH: 17, USNM: 1 [18 - **18** - **18**].
18 November 1925: Uganda: Lake Bunyoni: FMNH: 1 [1 - **1** - **1**].
11 January 1926: Uganda: Kisolo: FMNH: 5, USNM: 4 [9] - Lake Mutanda: FMNH: 32 [32 - **41** - **41**].

Total Specimens for Heller, Edmund: 377

Heller, Klaus-Gerhard; Volleth, Marianne

11 March 1990: Congo (Democratic Republic of the): Irangi: SMF: 2 [2 - **2** - **2**].
13 March 1990: Congo (Democratic Republic of the): Irangi: SMF: 3 [3 - **3** - **3**].
20 March 1990: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
28 March 1990: Rwanda: Nyungwe forest reserve: SMF: 1 [1 - **1** - **1**].

Total Specimens for Heller, Klaus-Gerhard; Volleth, Marianne: 7

Helmy, Ibrahim

4 July 1979: Egypt: Edfu: CM: 7 [7 - **7** - **7**].
8 August 1979: Egypt: Edfu: CM: 2 [2 - **2** - **2**].

Total Specimens for Helmy, Ibrahim: 9

Helmy, Ibrahim; Kock, Dieter

14 June 1971: Egypt: Saqqara: SMF: 1 [1 - **1** - **1**].

Total Specimens for Helmy, Ibrahim; Kock, Dieter: 1

Helmy, Ibrahim; Maser, Christopher

4 November 1963: Egypt: Saqqara: YPM: 1 [1 - **1** - **1**].
21 December 1963: Egypt: Aswan Tombs: YPM: 11 [11 - **11** - **11**].

Total Specimens for Helmy, Ibrahim; Maser, Christopher: 12

Hemprich, Friedrich Wilhelm
(1796 - 1825)

Collection Date Unknown: Egypt: Unknown locality: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Hemprich, Friedrich Wilhelm: 1

Hemprich, Wilhelm; Ehrenberg, Christian Gottfried

Collection Date Unknown: Egypt: Unknown locality: ZMB: 23 [23] - Saqqara: ZMB: 2 [2 - **25** - **25**].
1 April 1821: Egypt: Saqqara: ZMB: 2 [2 - **2** - **2**].
1 September 1821: Egypt: Aswan [in Egypt and Chondek, Northern Province in Sudan]: ZMB: 1 [1] - the Nile valley between Aswan, Egypt, and Khondek, Sudan: ZMB: 1 [1 - **2** - **2**].

Total Specimens for Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: 29

Hendricks, F.L.

Collection Date Unknown: Congo (Democratic Republic of the): Mulungu: RMCA: 11 [11 - **11** - **11**].
8 October 1942: Congo (Democratic Republic of the): Kakonda: AMNH: 4 [4 - **4** - **4**].
1 December 1946: Congo (Democratic Republic of the): Kakondo: RBINS: 3, RMCA: 1 [4] - Kakondo cave: RMCA: 2 [2 - **6** - **6**].
24 December 1946: Congo (Democratic Republic of the): Buta: RBINS: 2 [2] - Kakondo: RMCA: 2 [2 - **4** - **4**].
6 January 1947: Congo (Democratic Republic of the): Mulungu Miti: RMCA: 1 [1 - **1** - **1**].
12 February 1947: Congo (Democratic Republic of the): Mulungu: RMCA: 1 [1 - **1** - **1**].
1 January 1948: Congo (Democratic Republic of the): Mulungu: RMCA: 4 [4 - **4** - **4**].
16 September 1950: Congo (Democratic Republic of the): Tshibinda: RMCA: 1 [1 - **1** - **1**].
1 January 1951: Congo (Democratic Republic of the): Nyamunyunye: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Hendricks, F.L.: 35

Hendunan

19 December 1934: South Africa: Alice: KM: 1 [1 - **1** - **1**].

Total Specimens for Hendunan: 1

Hendy, Q.B.

Collection Date Unknown: South Africa: Republic of South Africa: OSU: 1 [1 - **1** - **1**].

Total Specimens for Hendy, Q.B.: 1

Hengsterberg

26 April 1964: Ethiopia: Lake Langano: SMF: 2 [2 - **2** - **2**].

Total Specimens for Hengsterberg: 2

Henrion, A.

Collection Date Unknown: Congo (Democratic Republic of the): Isato: RBINS: 1 [1] - Léopoldville: RBINS: 2 [2 - **3** - **3**].

Total Specimens for Henrion, A.: 3

Henrion, M.

Collection Date Unknown: Congo (Democratic Republic of the): Nepoko Bomili: RMCA: 2 [2 - **2** - **2**].
1 January 1946: Congo (Democratic Republic of the): Léopoldville: RMCA: 2 [2] - Nepoko Bomili: RMCA: 1 [1 - **3** - **3**].
16 June 1946: Congo (Democratic Republic of the): Léopoldville: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Henrion, M.: 7

Henry, T.

22 April 1964: South Africa: Mkuzi Game Reserve: USNM: 25 [25 - **25** - **25**].

Total Specimens for Henry, T.: 25

Hepplewhite, R.D.

24 November 1965: Botswana: Tshana: USNM: 2 [2 - **2** - **2**].
25 November 1965: Botswana: Tshana: USNM: 2 [2 - **2** - **2**].
1 September 1966: South Africa: Kuruman, 3 mi [= 4.8 km] E: USNM: 4 [4] - Kuruman, the Eye: USNM: 11 [11 - **15** - **15**].
26 September 1966: South Africa: Nelspruit, 4 mi E, 2 mi S: USNM: 18 [18 - **18** - **18**].

Total Specimens for Hepplewhite, R.D.: 37

Hepplewhite, R.D.; Liversedge, T.N.

1 October 1965: South Africa: Fountains: USNM: 2 [2 - **2** - **2**].
5 October 1965: South Africa: Fountains: USNM: 2 [2 - **2** - **2**].

Total Specimens for Hepplewhite, R.D.; Liversedge, T.N.: 4

Herbert, H.J.

Collection Date Unknown: Botswana: Drotsky's [= Drodsky] Caves: USNM: 7 [7 - **7**].
Mozambique: Mague [= Mphende]: USNM: 1 [1] - Mague, new: USNM: 3 [3 - **4**].
Nigeria: Sokoto: USNM: 1 [1] - Zaria, 15 mi NW: USNM: 2 [2 - **3** - **14**].
21 July 1964: Mozambique: Tete, 2 mi SE: USNM: 1 [1] - Vila Machado: USNM: 2 [2 - **3** - **3**].

23 July 1964: Mozambique: Tete, 2 mi SE: USNM: 20 [20 - **20** - **20**].
29 July 1964: Mozambique: Muchena: USNM: 19 [19 - **19** - **19**].
7 August 1964: Mozambique: Furancungo, 30 mi NNW: USNM: 4 [4 - **4** - **4**].
9 August 1964: Mozambique: Vila Gamito: USNM: 6 [6] - Vila Gamito, 10 km N: USNM: 6 [6 - **12** - **12**].
17 August 1964: Mozambique: Chicona, 14 mi ESE: USNM: 1 [1 - **1** - **1**].
22 August 1964: Mozambique: Mague: USNM: 2 [2 - **2** - **2**].
23 August 1964: Mozambique: Mague: USNM: 27 [27] - Tete, 2 mi SE: USNM: 2 [2 - **29** - **29**].
22 September 1964: Mozambique: Aldeia Chiuta [= Chiuta, Chuta]: USNM: 37 [37] - Chiutu: USNM: 1 [1 - **38** - **38**].
8 October 1964: Mozambique: Vila Coutinho: USNM: 2 [2 - **2** - **2**].
10 October 1964: Mozambique: Vila Coutinho, 93 km S: USNM: 1 [1 - **1** - **1**].
24 January 1965: Botswana: Chobe NP, Kasane: USNM: 8 [8 - **8** - **8**].
26 January 1965: Botswana: Chobe NP, Kasane: USNM: 14 [14 - **14** - **14**].
3 March 1965: Botswana: Maun: USNM: 2 [2 - **2** - **2**].
4 March 1965: Botswana: Maun: USNM: 10 [10 - **10** - **10**].
7 March 1965: Botswana: Sehitwa,10 mi [=16 km] SW: USNM: 7 [7 - **7** - **7**].
9 March 1965: Botswana: Sehitwa,10 mi [=16 km] SW: USNM: 4 [4 - **4** - **4**].
11 March 1965: Botswana: Sehitwa,10 mi [=16 km] SW: USNM: 2 [2 - **2** - **2**].
14 March 1965: Botswana: Mabeleapudi: USNM: 1 [1 - **1** - **1**].
20 March 1965: Botswana: Tsau: USNM: 3 [3 - **3** - **3**].
22 March 1965: Botswana: Tsau: USNM: 3 [3 - **3** - **3**].
24 March 1965: Botswana: Tsau: USNM: 1 [1 - **1** - **1**].
25 March 1965: Botswana: Tsau: USNM: 1 [1 - **1** - **1**].
27 March 1965: Botswana: Tsau: USNM: 4 [4 - **4** - **4**].
10 April 1965: Botswana: Aha Hills, 10 mi [=16 km] N: USNM: 1 [1] - Drotsky's [= Drodsky] Caves: USNM: 24 [24 - **25** - **25**].
25 April 1965: Botswana: Nata: USNM: 1 [1 - **1** - **1**].
26 April 1965: Botswana: Nata: USNM: 2 [2 - **2** - **2**].
2 November 1965: Nigeria: Ibadan University College: USNM: 1 [1 - **1** - **1**].
14 December 1965: Nigeria: Kabwir, 1 mi S: USNM: 1 [1 - **1** - **1**].
28 December 1965: Nigeria: Benin, 30 mi W: USNM: 3 [3 - **3** - **3**].
29 December 1965: Nigeria: Benin, 30 mi W: USNM: 2 [2 - **2** - **2**].
31 December 1965: Nigeria: Ibadan: USNM: 5 [5 - **5** - **5**].
17 January 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
20 January 1966: Nigeria: Ibadan University College: USNM: 7 [7 - **7** - **7**].
24 January 1966: Nigeria: Ibadan University College: USNM: 26 [26 - **26** - **26**].
1 February 1966: Nigeria: Oyo, 7 mi [= 11 km] W: USNM: 64 [64 - **64** - **64**].
5 February 1966: Nigeria: Oyo, 7 mi [= 11 km] W: USNM: 6 [6 - **6** - **6**].
18 February 1966: Nigeria: Asaba, 5 mi [=8 km] N: USNM: 22 [22 - **22** - **22**].
19 February 1966: Nigeria: Ibadan University College: USNM: 19 [19 - **19** - **19**].
20 February 1966: Nigeria: Aguleri, 1.5 mi E: USNM: 1 [1 - **1** - **1**].
23 February 1966: Nigeria: Aguleri, 1.5 mi E: USNM: 4 [4 - **4** - **4**].
24 February 1966: Nigeria: Aguleri, 1.5 mi E: USNM: 7 [7 - **7** - **7**].
26 February 1966: Nigeria: Aguleri, 1.5 mi E: USNM: 2 [2 - **2** - **2**].
10 March 1966: Nigeria: Calabar, 15 mi [=24 km] N: USNM: 1 [1] - Calabar, 15 mi N: USNM: 12 [12 - **13** - **13**].
15 March 1966: Nigeria: Oban, 14 [= 22.5 km] mi S: USNM: 1 [1 - **1** - **1**].
16 March 1966: Nigeria: Oban, 14 [= 22.5 km] mi S: USNM: 1 [1 - **1** - **1**].
8 April 1966: Nigeria: Dikwa, 31 mi NE: USNM: 2 [2 - **2** - **2**].
10 April 1966: Nigeria: Dikwa, 31 mi NE: USNM: 14 [14 - **14** - **14**].
19 April 1966: Nigeria: Bichi, 1 mi W: USNM: 3 [3 - **3** - **3**].
20 April 1966: Nigeria: Bichi, 1 mi W: USNM: 1 [1 - **1** - **1**].
25 April 1966: Nigeria: Zaria, 5 mi [= 8 km] NW: USNM: 13 [13 - **13** - **13**].
26 April 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
27 April 1966: Nigeria: Zaria, 15 mi NW: USNM: 1 [1 - **1** - **1**].
28 April 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
29 April 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
2 May 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
3 May 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
5 May 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
9 May 1966: Nigeria: Kware: USNM: 2 [2] - Sokoto, 12 mi N: USNM: 2 [2 - **4** - **4**].
10 May 1966: Nigeria: Sokoto, 12 mi N: USNM: 4 [4 - **4** - **4**].
11 May 1966: Nigeria: Kware: USNM: 1 [1 - **1** - **1**].
13 May 1966: Nigeria: Kware: USNM: 6 [6 - **6** - **6**].
15 May 1966: Nigeria: Zaria, 7 mi NW: USNM: 17 [17 - **17** - **17**].
22 May 1966: Nigeria: Fika: USNM: 3 [3 - **3** - **3**].
23 May 1966: Nigeria: Fika: USNM: 12 [12 - **12** - **12**].
26 May 1966: Nigeria: Zungeru: USNM: 62 [62 - **62** - **62**].
10 June 1966: Nigeria: Shagunu: USNM: 66 [66 - **66** - **66**].
12 June 1966: Nigeria: Shagunu: USNM: 21 [21 - **21** - **21**].
26 June 1966: Nigeria: Ibadan: USNM: 1 [1 - **1** - **1**].
10 July 1966: Nigeria: Sapoba Forest Reserve: USNM: 2 [2 - **2** - **2**].
11 July 1966: Nigeria: Sapoba Forest Reserve: USNM: 2 [2 - **2** - **2**].
11 April 1967: South Africa: Newington, 11 km N: TM: 1 [1 - **1** - **1**].
1 May 1967: South Africa: Newington, 7 mi N: TM: 1 [1 - **1** - **1**].
30 May 1967: Nigeria: Dada: USNM: 1 [1 - **1** - **1**].
19 June 1967: South Africa: Acornhoek: TM: 1 [1 - **1** - **1**].
20 March 1972: Zimbabwe: Wankie-NP: NHMZ: 1 [1 - **1** - **1**].
17 July 1979: Libya: Kouf Park lodge, 3 km S: CM: 1 [1 - **1** - **1**].

Total Specimens for Herbert, H.J.: 670

Herdson, D.

Collection Date Unknown: Senegal: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Herdson, D.: 1

Herholdt, E.M.

27 February 1990: South Africa: Entabeni State Forest: TM: 10 [10 - **10** - **10**].

Total Specimens for Herholdt, E.M.: 10

Herholdt, E.M.; Weber, S.

2 March 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].
2 March 1989: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 3 [3 - **3** - **3**].

Total Specimens for Herholdt, E.M.; Weber, S.: 4

Herholdt, K.

8 June 1994: South Africa: Shashi-Limpopo River confluence: TM: 3 [3 - **3** - **3**].

Total Specimens for Herholdt, K.: 3

Herselman, J.C.

Collection Date Unknown: South Africa: Norlim mine [=Buxton mine]: KM: 5 [5] - Rocher Pan Nature Reserve [=Rocher pan, Rocherpan]: KM: 1 [1 - **6** - **6**].
1 August 1978: South Africa: Goegab: KM: 1 [1 - **1** - **1**].
1 November 1978: South Africa: De Hoop Nature Reserve, De Hoop Guano Cave: TM: 1 [1] - De Hoop Provincial Nature Reserve: TM: 11 [11 - **12** - **12**].
1 September 1979: South Africa: Cederberg, Algeria State Forest: KM: 3 [3] - Goegab: KM: 10 [10] - Mitchells Pass: KM: 1 [1 - **14** - **14**].

Total Specimens for Herselman, J.C.: 33

Herselman, J.C.; Norton, Peter M.

Collection Date Unknown: South Africa: Goegab: KM: 2 [2] - Jonkershoek: KM: 1 [1] - Mazelsfontein: KM: 1 [1] - Rocherpan: KM: 1 [1] - Steyerskraal: KM: 3 [3 - **8** - **8**].

Total Specimens for Herselman, J.C.; Norton, Peter M.: 8

Herz, A.F.M.

20 April 1911: Chad: Melfi Mountains: SMF: 2 [2 - **2** - **2**].

Total Specimens for Herz, A.F.M.: 2

Herzog, A.T.M.

1 December 1910: Chad: Chari delta: SMF: 1 [1 - **1** - **1**].
20 April 1911: Chad: Melfi: SMF: 5 [5 - **5** - **5**].
13 May 1911: Cameroon: Marua: SMF: 1 [1 - **1** - **1**].
1 September 1911: Congo (Democratic Republic of the): Duma: SMF: 1 [1 - **1** - **1**].

Total Specimens for Herzog, A.T.M.: 8

Hesse, P.

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: SMF: 17 [17] - Banana: SMF: 5 [5] - Banana or Netonna: SMF: 3 [3 - **25** - **25**].
1 April 1800: Congo (Democratic Republic of the): Unknown locality: SMF: 6 [6] - Netonna: SMF: 7 [7 - **13** - **13**].
1 March 1887: Congo (Democratic Republic of the): Boma: SMF: 1 [1 - **1** - **1**].
1 January 1889: Congo (Democratic Republic of the): Banana: SMF: 2 [2] - Netonna: SMF: 2 [2 - **4** - **4**].
8 June 1890: Congo (Democratic Republic of the): Netonna: SMF: 1 [1 - **1** - **1**].

Total Specimens for Hesse, P.: 44

Hesselbarth

Collection Date Unknown: Cameroon: Victoria: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Hesselbarth: 1

Heuglin, Martin Theodor von
(1824 - 1876)

Collection Date Unknown: Egypt: Unknown locality: NMW: 1 [1 - **1**].
Eritrea: Bogos: SMNS: 1 [1] - Keren: SMNS: 2, ZMB: 1 [3 - **4**].
Ethiopia: Unknown locality: RMNH: 1 [1] - Abyssinia: ZMB: 3 [3] - Adowa: SMNS: 2 [2] - Bellegas-Thal zwischen Simehn und Woggara [=Tal des Belegaz/Belghe]: NMW: 1 [1 - **7**].
Sudan: Sennar: ZMB: 1 [1 - **1** - **13**].
1 January 1852: Eritrea: Cheren [=Keren]: ZMB: 1 [1 - **1** - **1**].
1 August 1853: Sudan: Sennaar: NMW: 1 [1 - **1** - **1**].
1 January 1861: Eritrea: Keren: SMNS: 9 [9 - **9** - **9**].
1 January 1862: Ethiopia: Adowa: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Heuglin, Martin Theodor von: 25

Heusgens

1 January 1930: Congo (Democratic Republic of the): Mweka Kasai: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Heusgens: 2

Heymons

Collection Date Unknown: Algeria: Biskra: ZMB: 4 [4 - **4** - **4**].

Total Specimens for Heymons: 4

Heyneke, B.R.T.

18 June 1940: South Africa: Wildeharthoek: TM: 1 [1 - **1** - **1**].

Total Specimens for Heyneke, B.R.T.: 1

Hickman, J.

Collection Date Unknown: Sierra Leone: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hickman, J.: 1

Hiernaux, Jean
(1921 - 2007)

Collection Date Unknown: Congo (Democratic Republic of the): Kasenyi: RMCA: 1 [1 - **1** - **1**].
12 September 1946: Congo (Democratic Republic of the): Teturi: RBINS: 1 [1 - **1** - **1**].
23 March 1947: Congo (Democratic Republic of the): Teturi: RBINS: 1 [1 - **1** - **1**].
24 March 1947: Congo (Democratic Republic of the): Teturi: RBINS: 2 [2 - **2** - **2**].
30 July 1947: Congo (Democratic Republic of the): Yolokafiri: RBINS: 1 [1 - **1** - **1**].
31 July 1947: Congo (Democratic Republic of the): Butembo region: RBINS: 1 [1 - **1** - **1**].
10 August 1947: Congo (Democratic Republic of the): Matata Cave: RBINS: 1 [1] - Mt Hoyo: RBINS: 1 [1 - **2** - **2**].
12 August 1947: Congo (Democratic Republic of the): Hoyo, Mount: RMCA: 1 [1] - Mount Hoyo: RBINS: 6 [6 - **7** - **7**].
16 August 1947: Congo (Democratic Republic of the): Butembo: RBINS: 1 [1 - **1** - **1**].
17 August 1947: Congo (Democratic Republic of the): Kabambi: RBINS: 1 [1] - Mount Hoyo caves: RBINS: 1 [1 - **2** - **2**].
24 May 1948: Congo (Democratic Republic of the): Teturi: RBINS: 1 [1 - **1** - **1**].
25 May 1948: Congo (Democratic Republic of the): Teturi: RBINS: 1 [1 - **1** - **1**].
17 September 1948: Congo (Democratic Republic of the): Teturi: RBINS: 1 [1 - **1** - **1**].
16 April 1949: Congo (Democratic Republic of the): Kilo mines: RMCA: 1 [1 - **1** - **1**].
17 April 1949: Congo (Democratic Republic of the): Hoyo, Mount: RMCA: 2 [2] - Kilo mines: RMCA: 1 [1 - **3** - **3**].
20 April 1949: Congo (Democratic Republic of the): Kilo mines: RMCA: 5 [5 - **5** - **5**].
21 April 1949: Congo (Democratic Republic of the): Kilo [mines]: RMCA: 1 [1] - Kilo mines: RMCA: 1 [1 - **2** - **2**].

Total Specimens for Hiernaux, Jean: 33

Higgins

Collection Date Unknown: Namibia: Damaraland: ZMB: 3 [3 - **3** - **3**].

Total Specimens for Higgins: 3

Hildebrandt, Johann Maria
(1847 - 1881)

Collection Date Unknown: Comoros: Anjouan Island: ZMB: 3 [3] - Comoro Islands: ZMB: 1 [1 - **4**].
Kenya: Kitui: ZMB: 4 [4] - Mombas [=Mombassa]: ZMB: 9 [9] - Ndi: ZMB: 8 [8] - Taita: BMNH: 2 [2] - Ukamba [=Kitui]: ZMB: 2 [2 - **25**].
Madagascar: Anteseranana: ZMB: 3 [3] - Betsileo: ZMB: 3 [3] - NW Madagascar: ZMB: 1 [1 - **7**].
Somalia: Barawa: ZMB: 1 [1 - **1**].
Tanzania: Kotur: ZMB: 2 [2] - Ukambesi: ZMB: 1 [1] - Zanzibar: ZMB: 1 [1 - **4** - **41**].
1 January 1877: Angola: Biballe and Rio Coroca, Caconda: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hildebrandt, Johann Maria: 42

Hillenius, Dick
(29 May 1927: Amsterdam - 4 May 1987: Amsterdam)

9 March 1974: Kenya: Lake Nakuru: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Hillenius, Dick: 1

Himmelheber, Hans
(1908 -)

21 September 1960: Liberia: Kpeaple: SMF: 4 [4] - Tappita: SMF: 1 [1 - **5** - **5**].

Total Specimens for Himmelheber, Hans: 5

Hinde, Hildegarde

3 January 1901: Kenya: Kitui: BMNH: 1 [1 - **1** - **1**].
25 January 1902: Kenya: Fort Hall: BMNH: 1 [1 - **1** - **1**].
17 October 1902: Kenya: Fort Hall: BMNH: 1 [1 - **1** - **1**].
1 January 1903: Kenya: Fort Hall: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hinde, Hildegarde: 4

Hinde, Sidney Langford
(1863 - 1930)

Collection Date Unknown: Kenya: Fort Hall: BMNH: 1 [1] - Gedi National Park: FMNH: 1 [1] - Machakos district: BMNH: 1 [1] - Muranga: BMNH: 3 [3 - **6** - **6**].
26 November 1900: Kenya: Kitui: BMNH: 1 [1 - **1** - **1**].
7 January 1901: Kenya: Kitui: BMNH: 1 [1 - **1** - **1**].
14 February 1901: Kenya: Kitui: BMNH: 1 [1 - **1** - **1**].
11 July 1901: Kenya: Machakos district: BMNH: 1 [1 - **1** - **1**].
26 January 1902: Kenya: Fort Hall: BMNH: 1 [1 - **1** - **1**].
6 February 1902: Kenya: Fort Hall [=Muranga]: BMNH: 1 [1 - **1** - **1**].
20 November 1902: Kenya: Muranga: BMNH: 1 [1 - **1** - **1**].
18 April 1903: Kenya: Muranga: BMNH: 1 [1 - **1** - **1**].
12 June 1903: Kenya: Muranga: BMNH: 1 [1 - **1** - **1**].
20 June 1903: Kenya: Muranga: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hinde, Sidney Langford: 16

Hintz

Collection Date Unknown: Guinea-Bissau: Bissau [island]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Hintz: 1

Hirsch, U.

Collection Date Unknown: Kenya: Mombas [=Mombassa]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Hirsch, U.: 1

Hirst, A.S.

Collection Date Unknown: Egypt: Luxor: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hirst, A.S.: 1

Hist, H.

25 October 1926: Ethiopia: Sanfords Ranch: TM: 1 [1 - **1** - **1**].

Total Specimens for Hist, H.: 1

HJH

11 April 1967: South Africa: Newington, 7 mi N: TM: 1 [1 - **1** - **1**].

Total Specimens for HJH: 1

Hobbard, C.H.

20 September 1961: Tanzania: Amani: TM: 1 [1 - **1** - **1**].

Total Specimens for Hobbard, C.H.: 1

Hobson, L.; Shortridge, Guy Chester (Captain)

Collection Date Unknown: South Africa: Louisvale: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hobson, L.; Shortridge, Guy Chester (Captain): 1

Hodgson, Duncan M.; Coultas, William F.

16 August 1938: Congo (Democratic Republic of the): Bomili: MCZ: 1 [1 - **1** - **1**].
17 August 1938: Congo (Democratic Republic of the): Bomili: MCZ: 1 [1 - **1** - **1**].
14 October 1938: Burundi: Usumbura: MCZ: 1 [1 - **1** - **1**].
19 December 1938: Congo (Democratic Republic of the): Kisiki: MCZ: 1 [1 - **1** - **1**].
22 December 1938: Congo (Democratic Republic of the): Kisiki: MCZ: 1 [1 - **1** - **1**].
11 January 1939: Congo (Democratic Republic of the): Stanleyville: MCZ: 1 [1 - **1** - **1**].
17 January 1939: Congo (Democratic Republic of the): Banalia: MCZ: 1 [1 - **1** - **1**].
26 January 1939: Congo (Democratic Republic of the): Banalia: MCZ: 1 [1 - **1** - **1**].
28 January 1939: Congo (Democratic Republic of the): Banalia: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Hodgson, Duncan M.; Coultas, William F.: 10

Hoepen, V.

24 November 1921: South Africa: American cave: TM: 1 [1 - **1** - **1**].

Total Specimens for Hoepen, V.: 1

Hoesch, W.

Collection Date Unknown: Namibia: Unknown locality: FMNH: 7 [7] - Kaoko Veld, southern part: FMNH: 17 [17 - **24** - **24**].
8 November 1933: Namibia: Otjosongombe: BMNH: 1 [1 - **1** - **1**].
15 March 1934: Namibia: Okahandja: ZFMK: 1 [1 - **1** - **1**].
31 March 1934: Namibia: Okahandja: ZFMK: 1 [1 - **1** - **1**].
3 April 1934: Namibia: Okahandja: ZFMK: 1 [1 - **1** - **1**].
4 April 1934: Namibia: Okahandja: ZFMK: 1 [1 - **1** - **1**].
26 October 1936: Namibia: Onguma: MCZ: 1 [1 - **1** - **1**].
29 November 1936: Namibia: Otjosangombe: MCZ: 3 [3 - **3** - **3**].
30 November 1936: Namibia: Otjosangombe: MCZ: 1 [1] - Waterberg Plateau Park: MCZ: 1 [1 - **2** - **2**].
3 December 1936: Namibia: Otjosangombe: MCZ: 3 [3 - **3** - **3**].
15 December 1936: Namibia: Otjosangombe: MCZ: 1 [1 - **1** - **1**].
3 January 1937: Namibia: Otjosangombe: MCZ: 1 [1 - **1** - **1**].
1 January 1950: Namibia: Okahandja: FMNH: 14 [14 - **14** - **14**].
10 September 1950: Namibia: Omaruru: FMNH: 1 [1 - **1** - **1**].
10 December 1950: Namibia: Rehoboth: FMNH: 1 [1 - **1** - **1**].
1 February 1951: Namibia: Okahandja: FMNH: 2 [2 - **2** - **2**].
1 March 1951: Namibia: Osjitambi farm: FMNH: 2 [2 - **2** - **2**].
1 April 1951: Namibia: Okahandja: FMNH: 11 [11 - **11** - **11**].
1 May 1951: Namibia: Mount Raupenhelm, near: FMNH: 12 [12 - **12** - **12**].
30 October 1953: Namibia: Twee Koppies: AMNH: 1 [1 - **1** - **1**].
9 November 1953: Namibia: Okadjessoambo: FMNH: 1 [1 - **1** - **1**].
15 February 1954: Namibia: Kriess/white Rand: FMNH: 1 [1 - **1** - **1**].
1 January 1955: Namibia: Friedrichswald: FMNH: 9 [9 - **9** - **9**].
16 February 1959: Namibia: Felseneck/Naukluft: ZFMK: 1 [1 - **1** - **1**].
18 February 1959: Namibia: Felseneck/Naukluft: ZFMK: 4 [4 - **4** - **4**].

Total Specimens for Hoesch, W.: 100

Hoevers, L.G.

1 January 1978: Kenya: Chemilil: CAS: 2 [2 - **2** - **2**].

Total Specimens for Hoevers, L.G.: 2

Hoffman

12 December 1928: Sierra Leone: Freetown: ZMH: 1 [1 - **1** - **1**].

Total Specimens for Hoffman: 1

Hoffmann

Collection Date Unknown: Tanzania: Tumbatu Island: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Hoffmann: 1

Hoffmann, Federico G.

1 January 2002: Gabon: Ogooue-Maritime province: USNM: 8 [8 - **8** - **8**].
23 February 2002: Gabon: Ossengue Camp site: USNM: 4 [4 - **4** - **4**].
25 February 2002: Gabon: M'Bari site: USNM: 1 [1 - **1** - **1**].
26 February 2002: Gabon: Rabi Oil Field, 3 km N airport terminal: USNM: 2 [2 - **2** - **2**].
4 March 2002: Gabon: Ossengue Camp site: USNM: 2 [2] - Toucan Site: USNM: 1 [1 - **3** - **3**].
8 March 2002: Gabon: Rabi 59 site: USNM: 1 [1 - **1** - **1**].
10 March 2002: Gabon: M'Bari site: USNM: 2 [2 - **2** - **2**].
12 March 2002: Gabon: M'Bari site: USNM: 3 [3 - **3** - **3**].
13 March 2002: Gabon: Ossengue Camp site: USNM: 1 [1 - **1** - **1**].

Total Specimens for Hoffmann, Federico G.: 25

Hofmann, K

1 January 1933: Mozambique: Inhaminga: SMF: 1 [1 - **1** - **1**].

Total Specimens for Hofmann, K: 1

Hogan, L.

29 March 1994: South Africa: Durban North: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Hogan, L.: 1

Hollander, H.; Van der Glas, M.

7 June 1991: Seychelles: Mahe Island: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Hollander, H.; Van der Glas, M.: 2

Holliday, C.S.

20 November 1950: South Africa: Pietermaritzburg: USNM: 1 [1 - **1** - **1**].
15 June 1959: Tanzania: Kalambo Falls: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Holliday, C.S.: 2

Holloway, Geoffrey

12 July 1958: South Africa: Makapansgat, Historic Cave: TM: 1 [1 - **1** - **1**].

Total Specimens for Holloway, Geoffrey: 1

Holub, Emil
(7 October 1847: Holice - 21 Dec/Feb 1902: Vienna)

Collection Date Unknown: Zimbabwe: Zambesidal: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Holub, Emil: 1

Hood, David

10 August 2002: South Africa: Timbavati: TM: 1 [1 - **1** - **1**].
10 September 2002: South Africa: Timbavati: TM: 1 [1 - **1** - **1**].

Total Specimens for Hood, David: 2

Hoogmoed, M.S.

11 May 1972: Ghana: Kpaudu: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Hoogmoed, M.S.: 1

Hoogstraal, Harry H.
(24 February 1917: Chicago - 24 February 1986: Cairo)

Collection Date Unknown: Egypt: Unknown locality: FMNH: 125, USNM: 117 [242] - Abu Rawash: FMNH: 8, USNM: 19 [27] - Abu Rawash, 2 km N: FMNH: 1 [1] - Gizeh: FMNH: 14, USNM: 6 [20] - Helwân: FMNH: 8 [8] - Kafr Dawud: USNM: 5 [5] - Kom Hamada: USNM: 5 [5] - Kom O Shim: USNM: 2 [2] - Saqqara: USNM: 8 [8 - **318**].
South Sudan: Imurok: USNM: 4 [4] - Torit: FMNH: 1, USNM: 6 [7] - Torit district: FMNH: 6 [6 - **17**].
Sudan: Unknown locality: AMNH: 5 [5 - **5**].
Tanzania: Tengeru: FMNH: 5 [5 - **5** - **345**].
1 January 1948: South Sudan: Malakal: FMNH: 4 [4 - **4**].
Sudan: Wad Medani: FMNH: 7 [7 - **7** - **11**].
15 March 1948: South Sudan: Kapoeta: FMNH: 1 [1 - **1** - **1**].
15 April 1948: South Sudan: Kapoeta: USNM: 2 [2 - **2** - **2**].
16 April 1948: South Sudan: Kapoeta: FMNH: 1 [1 - **1** - **1**].
15 May 1948: South Sudan: Juba: USNM: 1 [1 - **1** - **1**].
7 June 1948: Kenya: Njoro: FMNH: 7 [7 - **7** - **7**].
8 June 1948: Kenya: Menengai Crater: FMNH: 17, USNM: 1 [18] - Mount Menengai: FMNH: 21 [21 - **39** - **39**].
2 August 1948: South Sudan: Torit: USNM: 1 [1 - **1** - **1**].
8 August 1948: Kenya: Mount Menengai: FMNH: 1 [1 - **1** - **1**].
27 October 1948: Madagascar: Ambohimahavelona: FMNH: 1 [1 - **1** - **1**].
28 October 1948: Madagascar: Ambohimahavelona: FMNH: 3 [3 - **3** - **3**].
30 October 1948: Madagascar: Ambohimahavelona: FMNH: 1 [1 - **1** - **1**].
16 November 1948: Madagascar: Fort Dauphin, 8 km N: FMNH: 1 [1 - **1** - **1**].
23 November 1948: Madagascar: Bemangidy: FMNH: 1 [1 - **1** - **1**].
28 November 1948: Madagascar: Bemangidy: FMNH: 2 [2] - Manantenina: USNM: 1 [1 - **3** - **3**].
17 December 1948: Madagascar: Bemangidy: FMNH: 4 [4 - **4** - **4**].
25 December 1948: Madagascar: Bemangidy: FMNH: 3 [3 - **3** - **3**].
22 October 1949: South Sudan: Torit: FMNH: 4 [4] - Torit district: USNM: 1 [1 - **5** - **5**].
23 October 1949: South Sudan: Torit: FMNH: 6 [6 - **6** - **6**].
24 October 1949: South Sudan: Torit: FMNH: 3 [3 - **3** - **3**].
25 October 1949: South Sudan: Torit: FMNH: 3, USNM: 1 [4 - **4** - **4**].
26 October 1949: South Sudan: Torit: FMNH: 18 [18] - Torit district: USNM: 5 [5 - **23** - **23**].
27 October 1949: South Sudan: Torit: FMNH: 6 [6 - **6** - **6**].
28 October 1949: South Sudan: Torit: FMNH: 10, USNM: 2 [12] - Torit district: USNM: 3 [3 - **15** - **15**].
29 October 1949: South Sudan: Torit: FMNH: 4, USNM: 1 [5 - **5** - **5**].
1 November 1949: South Sudan: Torit: FMNH: 2, USNM: 2 [4 - **4** - **4**].
6 November 1949: South Sudan: Torit: FMNH: 5 [5] - Torit district: USNM: 5 [5 - **10** - **10**].
8 November 1949: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
12 November 1949: South Sudan: Ikoto: FMNH: 1 [1 - **1** - **1**].
16 November 1949: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
17 November 1949: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
23 November 1949: South Sudan: Lafon: FMNH: 13, USNM: 6 [19] - Torit: FMNH: 1, USNM: 1 [2 - **21**].
Sudan: Lafoon: FMNH: 6 [6 - **6** - **27**].
26 November 1949: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
27 November 1949: South Sudan: Torit: FMNH: 3 [3 - **3** - **3**].
28 November 1949: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
29 November 1949: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
2 December 1949: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
4 December 1949: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
5 December 1949: South Sudan: Torit: FMNH: 3 [3 - **3** - **3**].
7 December 1949: South Sudan: Torit: FMNH: 4 [4 - **4** - **4**].
8 December 1949: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
12 December 1949: South Sudan: Southern Region: USNM: 1 [1] - Torit: FMNH: 6 [6] - Torit district: USNM: 3 [3 - **10** - **10**].
28 December 1949: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
1 January 1950: South Sudan: Torit district: USNM: 1 [1 - **1**].
Sudan: Wad Medani: FMNH: 3 [3 - **3** - **4**].
2 January 1950: South Sudan: Torit: FMNH: 10 [10] - Torit district: USNM: 1 [1 - **11** - **11**].
3 January 1950: South Sudan: Torit: FMNH: 7 [7] - Torit district: USNM: 1 [1 - **8** - **8**].
4 January 1950: South Sudan: Torit: FMNH: 3 [3 - **3** - **3**].
7 January 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
8 January 1950: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
12 January 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
15 January 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
19 January 1950: South Sudan: Torit: FMNH: 4 [4] - Torit district: USNM: 3 [3 - **7** - **7**].
21 January 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
24 January 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].

25 January 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
26 January 1950: South Sudan: Torit: FMNH: 1, USNM: 1 [2 - **2** - **2**].
28 January 1950: South Sudan: Torit: FMNH: 1 [1] - Torit district: USNM: 2 [2 - **3** - **3**].
30 January 1950: South Sudan: Lodwara: FMNH: 7, USNM: 3 [10 - **10** - **10**].
31 January 1950: Sudan: Wad Medani: USNM: 3 [3 - **3** - **3**].
1 February 1950: South Sudan: Torit: FMNH: 3 [3 - **3** - **3**].
2 February 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
8 February 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
9 February 1950: South Sudan: Torit: FMNH: 3 [3] - Torit district: USNM: 1 [1 - **4** - **4**].
13 February 1950: South Sudan: Kotokeinyang: USNM: 7 [7] - Sunnat: FMNH: 21 [21] - Torit: FMNH: 2 [2] - Torit district: USNM: 1 [1 - **31** - **31**].
16 February 1950: South Sudan: Ikoto: FMNH: 1 [1 - **1** - **1**].
22 February 1950: South Sudan: Sunnat: FMNH: 2, USNM: 1 [3] - Torit: FMNH: 1 [1 - **4** - **4**].
23 February 1950: South Sudan: Sunnat: FMNH: 4, USNM: 4 [8 - **8** - **8**].
24 February 1950: South Sudan: Torit: FMNH: 2 [2] - Torit district: USNM: 1 [1 - **3** - **3**].
28 February 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
1 March 1950: South Sudan: Imurok: FMNH: 9 [9 - **9** - **9**].
30 March 1950: South Sudan: Lafon: FMNH: 3 [3 - **3** - **3**].
7 April 1950: South Sudan: Lotti forest: FMNH: 1 [1 - **1** - **1**].
12 May 1950: Egypt: Abu Rawash: FMNH: 13, USNM: 12 [25] - Giza pyramid, 2 km from: FMNH: 9, USNM: 10 [19 - **44** - **44**].
20 May 1950: Egypt: Giza Pyramids: FMNH: 1 [1] - Saqqara: FMNH: 23, USNM: 3 [26 - **27** - **27**].
21 May 1950: Egypt: Giza Pyramids: FMNH: 2, USNM: 2 [4 - **4** - **4**].
27 May 1950: Egypt: Kom O Shim: FMNH: 30 [30 - **30** - **30**].
28 May 1950: Egypt: Giza pyramid, 2 km from: FMNH: 6 [6] - Saqqara: FMNH: 1 [1] - Wadi el Natroun: FMNH: 12, USNM: 1 [13 - **20** - **20**].
3 June 1950: Egypt: Kom O Shim: FMNH: 2 [2 - **2** - **2**].
4 June 1950: Egypt: Wardan: FMNH: 29 [29 - **29** - **29**].
11 June 1950: Egypt: Lake Qarun, near: FMNH: 18 [18 - **18** - **18**].
16 June 1950: Egypt: Kafr Dawud: FMNH: 29, USNM: 16 [45 - **45** - **45**].
18 June 1950: Egypt: Kafr Dawud: FMNH: 1 [1] - Kom Hamada: FMNH: 40, USNM: 34 [74 - **75** - **75**].
25 June 1950: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2] - Kom Hamada: FMNH: 1 [1 - **3** - **3**].
4 July 1950: Djibouti: Djibouti: FMNH: 1 [1 - **1** - **1**].
6 July 1950: Djibouti: Ali-Sabieh: FMNH: 6 [6 - **6** - **6**].
18 July 1950: Egypt: Kom Hamada: USNM: 1 [1 - **1** - **1**].
28 July 1950: Egypt: Sinai, Wadi El Feiran: FMNH: 10 [10 - **10** - **10**].
21 September 1950: Egypt: Abu Rawash: FMNH: 1 [1] - Saqqara: FMNH: 1 [1 - **2** - **2**].
20 October 1950: Egypt: Saqqara: FMNH: 32, USNM: 1 [33 - **33** - **33**].
21 October 1950: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2] - Saqqara: FMNH: 1, USNM: 1 [2 - **4** - **4**].
23 February 1951: Eritrea: Asmara, 6 mi W: FMNH: 7 [7 - **7** - **7**].
1 March 1951: Egypt: Saqqara: FMNH: 1 [1 - **1** - **1**].
12 March 1951: Egypt: Abu Rawash: FMNH: 18, USNM: 2 [20 - **20** - **20**].
14 March 1951: Egypt: Abu Rawash: FMNH: 2, USNM: 2 [4] - Giza Pyramids: FMNH: 4, USNM: 3 [7 - **11** - **11**].
16 March 1951: Egypt: Saqqara: FMNH: 1 [1 - **1** - **1**].
18 March 1951: Egypt: Abu Rawash: FMNH: 28 [28 - **28** - **28**].
6 April 1951: Egypt: Abu Sir: FMNH: 27 [27 - **27** - **27**].
7 April 1951: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
22 April 1951: Egypt: Abu Rawash: FMNH: 6, USNM: 3 [9] - Abu Sir: FMNH: 3 [3 - **12** - **12**].
3 May 1951: Egypt: Gizeh: FMNH: 17, USNM: 15 [32 - **32** - **32**].
12 May 1951: Egypt: Saqqara: FMNH: 23, USNM: 22 [45 - **45** - **45**].
19 May 1951: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
21 May 1951: Egypt: Abu Rawash: FMNH: 4, USNM: 4 [8 - **8** - **8**].
23 May 1951: Egypt: Abu Rawash: FMNH: 3, USNM: 3 [6 - **6** - **6**].
25 May 1951: Egypt: El Mansuriya, 4 km W: FMNH: 23 [23 - **23** - **23**].
28 May 1951: Egypt: El Mansuriya: FMNH: 2 [2] - El Mansuriya, 4 km W: FMNH: 9 [9 - **11** - **11**].
29 May 1951: Egypt: El Mansuriya, 4 km W: FMNH: 1 [1] - Saqqara: FMNH: 34, USNM: 23 [57 - **58** - **58**].
30 May 1951: Egypt: El Mansuriya, 4 km W: FMNH: 10 [10 - **10** - **10**].
14 June 1951: Egypt: Al Jiza governorate: FLMNH: 1 [1] - Giza Pyramids: FMNH: 102, USNM: 2 [104 - **105** - **105**].
21 June 1951: Egypt: Burgh-El-Arab: FMNH: 3 [3 - **3** - **3**].
28 June 1951: Eritrea: Sembel: FMNH: 1 [1 - **1** - **1**].
29 June 1951: Eritrea: Sembel: FMNH: 1 [1 - **1** - **1**].
1 July 1951: Egypt: El Mansuriya: FMNH: 4, USNM: 4 [8 - **8** - **8**].
1 August 1951: Egypt: El Arish: FMNH: 3 [3 - **3** - **3**].
3 August 1951: Egypt: Giza pyramids area: FMNH: 14, USNM: 1 [15 - **15** - **15**].
7 August 1951: Egypt: Kom O Shim: FMNH: 8, USNM: 6 [14 - **14** - **14**].
9 August 1951: Egypt: Giza pyramids area: FMNH: 1, USNM: 1 [2 - **2** - **2**].
20 September 1951: Egypt: Giza Pyramids: FMNH: 134, USNM: 112 [246] - Giza pyramids area: FMNH: 8, USNM: 4 [12 - **258** - **258**].
24 September 1951: Egypt: Abu Rawash: FMNH: 12 [12] - Giza Pyramids: USNM: 12 [12 - **24** - **24**].
25 September 1951: Egypt: Abu Rawash: FMNH: 2 [2 - **2** - **2**].
4 October 1951: Egypt: Wadi Digla: FMNH: 2 [2 - **2** - **2**].
6 October 1951: Egypt: Abu Rawash: FMNH: 7 [7 - **7** - **7**].
10 October 1951: Egypt: Wadi el Natroun: FMNH: 1 [1 - **1** - **1**].
12 October 1951: Egypt: Abu Rawash: FMNH: 6 [6 - **6** - **6**].
23 October 1951: Egypt: Abu Rawash: FMNH: 3 [3 - **3** - **3**].
26 October 1951: Egypt: Kom O Shim: FMNH: 2, USNM: 2 [4 - **4** - **4**].
1 January 1952: Egypt: Abu Rawash: FMNH: 4 [4 - **4** - **4**].

20 January 1952: South Sudan: Lawudo: FMNH: 1 [1 - **1** - **1**].
14 February 1952: Egypt: Giza Pyramids: FMNH: 1 [1 - **1** - **1**].
11 March 1952: Egypt: Saqqara: FMNH: 5, USNM: 1 [6 - **6** - **6**].
26 March 1952: Egypt: Siwa Oasis: FMNH: 5 [5 - **5** - **5**].
30 March 1952: Egypt: El Khatatba: FMNH: 35 [35 - **35** - **35**].
6 April 1952: Egypt: Kom O Shim: FMNH: 1, USNM: 1 [2 - **2** - **2**].
7 April 1952: Egypt: Abu Rawash: FMNH: 30, USNM: 2 [32] - Abu Sir: FMNH: 12, USNM: 28 [40 - **72** - **72**].
16 April 1952: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
23 April 1952: Egypt: Giza Pyramids: FMNH: 1, USNM: 1 [2 - **2** - **2**].
24 May 1952: Egypt: Giza Pyramids: FMNH: 1, USNM: 1 [2 - **2** - **2**].
25 May 1952: Egypt: El Lahun: FMNH: 2 [2 - **2** - **2**].
10 June 1952: Egypt: Abu Rawash: FMNH: 12, USNM: 11 [23 - **23** - **23**].
21 July 1952: Egypt: Tora: FMNH: 2 [2 - **2** - **2**].
9 August 1952: Egypt: Abu Rawash: FMNH: 1 [1] - Abu Rawash, 5 km W: FMNH: 3, USNM: 3 [6 - **7** - **7**].
20 August 1952: Egypt: Abu Rawash: FMNH: 1 [1] - Cairo Citadel: FMNH: 9 [9 - **10** - **10**].
22 August 1952: Egypt: Abu Rawash: FMNH: 28, USNM: 28 [56] - Tora: FMNH: 1 [1 - **57** - **57**].
25 August 1952: Egypt: Cairo, 20 mi E: FMNH: 1 [1 - **1** - **1**].
26 August 1952: Egypt: Abu Rawash, 5 km W: FMNH: 1, USNM: 1 [2 - **2** - **2**].
2 September 1952: Egypt: Giza Pyramids: FMNH: 3, USNM: 1 [4] - Tora: FMNH: 1 [1 - **5** - **5**].
4 September 1952: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
8 September 1952: Egypt: Giza pyramid, 1 km N: FMNH: 1 [1 - **1** - **1**].
11 September 1952: Egypt: Abu Rawash: FMNH: 2 [2 - **2** - **2**].
18 September 1952: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
22 September 1952: Egypt: Abu Rawash: FMNH: 4 [4 - **4** - **4**].
29 September 1952: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
1 October 1952: Egypt: Abu Rawash: FMNH: 5, USNM: 4 [9 - **9** - **9**].
2 October 1952: Egypt: Cairo Citadel: FMNH: 2 [2] - Tora: FMNH: 1 [1] - Wadi el Natroun: FMNH: 10 [10 - **13** - **13**].
8 October 1952: Egypt: Abu Rawash: FMNH: 7, USNM: 7 [14 - **14** - **14**].
28 October 1952: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
31 October 1952: Egypt: Abu Rawash: FMNH: 2, USNM: 2 [4 - **4** - **4**].
3 November 1952: Egypt: Abu Rawash: FMNH: 2, USNM: 2 [4 - **4** - **4**].
18 December 1952: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
19 December 1952: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
23 December 1952: Egypt: Giza Pyramids: FMNH: 1 [1 - **1** - **1**].
12 January 1953: Egypt: Abu Rawash: FMNH: 5, USNM: 5 [10 - **10** - **10**].
13 January 1953: Egypt: Abu Sir: FMNH: 14 [14 - **14** - **14**].
20 January 1953: Egypt: Saqqara: FMNH: 4, USNM: 4 [8 - **8** - **8**].
26 January 1953: Egypt: Abu Sir: FMNH: 1 [1 - **1** - **1**].
27 January 1953: Egypt: Giza Pyramids: FMNH: 7 [7 - **7** - **7**].
5 February 1953: Egypt: Abu Rawash: FMNH: 2 [2 - **2** - **2**].
16 March 1953: Egypt: Gebel el Ahmar: FMNH: 1 [1] - Jebel Ahmar: USNM: 1 [1 - **2** - **2**].
26 March 1953: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
6 April 1953: Egypt: Isna: FMNH: 11, USNM: 3 [14 - **14** - **14**].
28 April 1953: Egypt: Wadi el Natroun: FMNH: 2 [2 - **2** - **2**].
6 May 1953: Egypt: Burgh-El-Arab: FMNH: 2, USNM: 2 [4 - **4** - **4**].
9 May 1953: Egypt: Abu Rawash: FMNH: 9 [9] - Giza Pyramids: FMNH: 10 [10 - **19** - **19**].
21 May 1953: Egypt: Sinai, Wadi El Feiran: FMNH: 1 [1 - **1** - **1**].
22 May 1953: Egypt: El-'Aiyat: FMNH: 15 [15] - Saqqara: FMNH: 1, USNM: 16 [17 - **32** - **32**].
27 May 1953: Egypt: El-'Aiyat: FMNH: 19 [19] - Saqqara: USNM: 6 [6 - **25** - **25**].
9 June 1953: Egypt: Giza Pyramids: FMNH: 1 [1 - **1** - **1**].
10 June 1953: Egypt: Abu Rawash: FMNH: 5 [5] - Giza Pyramids: FMNH: 1, USNM: 1 [2 - **7** - **7**].
11 June 1953: Egypt: Giza Pyramids: FMNH: 16 [16 - **16** - **16**].
12 June 1953: Egypt: Giza Pyramids: USNM: 6 [6 - **6** - **6**].
24 June 1953: Egypt: Abu Rawash: FMNH: 4, USNM: 7 [11 - **11** - **11**].
26 June 1953: Egypt: Al Jiza governorate: FLMNH: 1 [1 - **1** - **1**].
27 June 1953: Egypt: Abu Rawash: FMNH: 4 [4 - **4** - **4**].
7 July 1953: Egypt: Sinnuris: FMNH: 2 [2 - **2** - **2**].
13 October 1953: Egypt: Abu Rawash: FMNH: 6, USNM: 1 [7 - **7** - **7**].
15 October 1953: Egypt: Abu Rawash: FMNH: 9 [9 - **9** - **9**].
16 October 1953: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
22 October 1953: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
25 October 1953: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
27 October 1953: Egypt: Abu Rawash: FMNH: 3, USNM: 4 [7 - **7** - **7**].
5 November 1953: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
9 November 1953: Egypt: Saqqara: FMNH: 6, USNM: 6 [12 - **12** - **12**].
12 November 1953: Egypt: Giza Pyramids: FMNH: 6 [6 - **6** - **6**].
15 December 1953: Egypt: Giza Pyramids: FMNH: 2, USNM: 2 [4 - **4** - **4**].
16 December 1953: Egypt: Abu Sir: FMNH: 1, USNM: 1 [2 - **2** - **2**].
12 January 1954: Egypt: Cairo Citadel: FMNH: 1 [1 - **1** - **1**].
24 February 1954: Egypt: Bir Abraq: FMNH: 1 [1 - **1** - **1**].
25 February 1954: Egypt: Bir Abraq: FMNH: 3 [3 - **3** - **3**].
26 February 1954: Egypt: Bir Abraq: FMNH: 4, USNM: 1 [5 - **5** - **5**].
8 April 1954: Egypt: Abu Rawash: FMNH: 2, USNM: 2 [4 - **4** - **4**].
4 May 1954: Egypt: Abu Rawash: FMNH: 3, USNM: 5 [8 - **8** - **8**].
12 May 1954: Egypt: Abu Rawash: FMNH: 2 [2 - **2** - **2**].
23 August 1954: Egypt: Saqqara: FMNH: 1, USNM: 1 [2 - **2** - **2**].

2 January 1955: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
7 January 1955: Egypt: Abu Rawash: USNM: 1 [1 - **1** - **1**].
17 January 1955: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
4 February 1955: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
18 February 1955: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
27 May 1955: Egypt: Abu Rawash: FMNH: 5, USNM: 5 [10 - **10** - **10**].
20 June 1955: Egypt: Abu Rawash: FMNH: 6 [6 - **6** - **6**].
11 March 1956: Egypt: El Qasr: FMNH: 3 [3 - **3** - **3**].
9 April 1956: Egypt: Bakkari: FMNH: 54, USNM: 60 [114 - **114** - **114**].
25 April 1956: Tanzania: Karema: FMNH: 1 [1] - Kigoma: FMNH: 1 [1 - **2** - **2**].
5 May 1956: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
2 July 1956: Tanzania: Karema: FMNH: 1 [1 - **1** - **1**].
4 July 1956: Kenya: Kiboko: FMNH: 1 [1 - **1** - **1**].
6 July 1956: Tanzania: Karema: FMNH: 10 [10 - **10** - **10**].
7 July 1956: Kenya: Kabete: FMNH: 8 [8 - **8** - **8**].
9 July 1956: Tanzania: Karema: FMNH: 3 [3 - **3** - **3**].
15 July 1956: Kenya: Tiwi: FMNH: 1 [1 - **1** - **1**].
16 July 1956: Kenya: Tiwi: FMNH: 2 [2 - **2** - **2**].
17 July 1956: Kenya: Ngombeni [caves]: FMNH: 46 [46] - Tiwi: FMNH: 3 [3 - **49** - **49**].
23 July 1956: Tanzania: Tengeru: FMNH: 1 [1 - **1** - **1**].
24 July 1956: Tanzania: Arusha, 6 mi S: FMNH: 5 [5 - **5** - **5**].
26 July 1956: Tanzania: Tengeru: FMNH: 1 [1 - **1** - **1**].
27 July 1956: Tanzania: Tengeru: FMNH: 34 [34 - **34** - **34**].
28 July 1956: Tanzania: Arusha, 6 mi S: FMNH: 1 [1] - Ol Donyo Sambu: FMNH: 5 [5] - Tengeru: FMNH: 2 [2 - **8** - **8**].
2 August 1956: Tanzania: Sigi River: FMNH: 57 [57 - **57** - **57**].
13 August 1956: Kenya: Kiambu: FMNH: 10 [10 - **10** - **10**].
24 August 1956: Kenya: Subukia: FMNH: 7 [7 - **7** - **7**].
25 September 1956: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
27 September 1956: Egypt: Saqqara: FMNH: 1 [1 - **1** - **1**].
28 March 1957: Egypt: Durunka: FMNH: 3 [3 - **3** - **3**].
30 March 1957: Egypt: Beheira governate: FLMNH: 1 [1 - **1** - **1**].
2 April 1957: Egypt: El Wilidiya: FMNH: 3 [3 - **3** - **3**].
20 June 1957: Egypt: Abu Rawash: FMNH: 2 [2 - **2** - **2**].
21 June 1957: Egypt: Abu Rawash: FMNH: 2 [2 - **2** - **2**].
26 June 1957: Egypt: Abu Rawash: FMNH: 6 [6 - **6** - **6**].
10 October 1957: Egypt: Abu Rawash: FMNH: 2 [2 - **2** - **2**].
23 October 1957: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
27 October 1957: Egypt: Saqqara: FMNH: 22 [22 - **22** - **22**].
27 December 1957: Egypt: Saqqara: FMNH: 2 [2 - **2** - **2**].
1 January 1958: Egypt: Abu Rawash: FMNH: 2 [2] - Gizeh: FMNH: 2, USNM: 2 [4 - **6** - **6**].
29 April 1958: Egypt: Abu Rawash: FMNH: 4, USNM: 4 [8 - **8** - **8**].
16 June 1958: Egypt: Abu Rawash: FMNH: 6, USNM: 6 [12 - **12** - **12**].
17 June 1958: Egypt: Abu Rawash: FMNH: 14, USNM: 14 [28 - **28** - **28**].
19 June 1958: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
20 June 1958: Egypt: Abu Rawash: FMNH: 2, USNM: 2 [4 - **4** - **4**].
8 July 1958: Egypt: Gizeh: FMNH: 6 [6 - **6** - **6**].
18 December 1958: Egypt: El Qatta: FMNH: 2 [2 - **2** - **2**].
28 December 1958: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
30 December 1958: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
2 January 1959: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
10 March 1959: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
20 March 1959: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
25 March 1959: Egypt: Abu Rawash: USNM: 8 [8] - Abu Rawash, 2 km N: FMNH: 14 [14 - **22** - **22**].
27 March 1959: Egypt: Abu Rawash: FMNH: 1, USNM: 1 [2 - **2** - **2**].
1 April 1959: Egypt: Abu Rawash: USNM: 2 [2] - Abu Rawash, 2 km N: FMNH: 1 [1 - **3** - **3**].
22 April 1959: Egypt: Abu Rawash: FMNH: 6, USNM: 3 [9 - **9** - **9**].
28 April 1959: Egypt: El Guan: USNM: 6 [6] - El Sheikh Salem: FMNH: 12 [12 - **18** - **18**].
8 May 1959: Egypt: Abu Rawash: FMNH: 4, USNM: 4 [8 - **8** - **8**].
1 June 1959: Egypt: Gizeh: FMNH: 2 [2 - **2** - **2**].
9 June 1959: Egypt: Giza Pyramids: USNM: 1 [1 - **1** - **1**].
12 June 1959: Egypt: Abu Rawash: FMNH: 4, USNM: 2 [6 - **6** - **6**].
15 June 1959: Egypt: Abu Rawash: FMNH: 9, USNM: 1 [10 - **10** - **10**].
21 June 1959: Egypt: Abu Rawash: USNM: 3 [3 - **3** - **3**].
22 June 1959: Egypt: Abu Rawash: FMNH: 7, USNM: 2 [9] - Gizeh: FMNH: 3, USNM: 1 [4] - Sultan Hassan Mosque: FMNH: 7 [7 - **20** - **20**].
23 June 1959: Egypt: Abu Rawash: FMNH: 2 [2 - **2** - **2**].
10 July 1959: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
13 July 1959: Egypt: Abu Rawash: USNM: 1 [1 - **1** - **1**].
24 July 1959: Egypt: Old Cairo: FMNH: 1 [1 - **1** - **1**].
1 August 1959: Egypt: Abu Rawash: FMNH: 2, USNM: 1 [3 - **3** - **3**].
5 August 1959: Egypt: Marsa Matruh, 20 mi W: FMNH: 9, USNM: 5 [14 - **14** - **14**].
13 August 1959: Egypt: Abu Rawash: FMNH: 1 [1] - Old Cairo: FMNH: 2 [2 - **3** - **3**].
17 August 1959: Egypt: Old Cairo: FMNH: 13, USNM: 8 [21 - **21** - **21**].
2 September 1959: Egypt: Maadi: FMNH: 1 [1 - **1** - **1**].
23 September 1959: Egypt: Mersa Matruh, near: USNM: 38 [38] - Zawyet Umm el Rakham, 0.5 mi from: FMNH: 76 [76 - **114** - **114**].

27 September 1959: Egypt: Maadi: FMNH: 1 [1 - **1** - **1**].
1 January 1960: Egypt: Abu Rawash: FMNH: 5 [5 - **5** - **5**].
3 February 1960: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
6 February 1960: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
8 February 1960: Egypt: Abu Rawash: FMNH: 5 [5 - **5** - **5**].
16 February 1960: Egypt: Abu Rawash: FMNH: 2, USNM: 1 [3 - **3** - **3**].
26 February 1960: Egypt: Cairo, 5 km E: FMNH: 4, USNM: 2 [6 - **6** - **6**].
1 March 1960: Egypt: Abu Rawash: FMNH: 4 [4 - **4** - **4**].
8 March 1960: Egypt: Abu Rawash: USNM: 4 [4 - **4** - **4**].
7 August 1960: Egypt: Abu Rawash: FMNH: 9, USNM: 5 [14 - **14** - **14**].
27 September 1960: Egypt: Zawyet Umm el Rakham, 0.5 mi from: FMNH: 82, USNM: 29 [111 - **111** - **111**].
8 October 1960: Egypt: Zawyet Umm el Rakham, 0.5 mi from: FMNH: 22, USNM: 20 [42 - **42** - **42**].
11 October 1960: Egypt: Zawyet Umm el Rakham, 0.5 mi from: USNM: 1 [1 - **1** - **1**].
21 October 1960: Egypt: Zawyet Umm el Rakham, 0.5 mi from: FMNH: 9, USNM: 6 [15 - **15** - **15**].
7 December 1960: South Sudan: Malakal: FMNH: 1 [1 - **1** - **1**].
18 December 1960: South Sudan: Malakal: FMNH: 12 [12 - **12** - **12**].
1 January 1961: South Sudan: Northern District: FMNH: 8 [8 - **8** - **8**].
5 January 1961: South Sudan: Niayok: FMNH: 3 [3 - **3** - **3**].
14 January 1961: South Sudan: Niayok: FMNH: 2 [2 - **2** - **2**].
19 January 1961: South Sudan: Malakal: FMNH: 4 [4 - **4** - **4**].
23 January 1961: South Sudan: Malakal: FMNH: 1 [1 - **1** - **1**].
27 January 1961: South Sudan: Malakal, 4 mi N: FMNH: 1 [1 - **1** - **1**].
1 February 1961: South Sudan: Malakal: FMNH: 10 [10 - **10** - **10**].
17 January 1962: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
16 March 1962: South Sudan: Malakal: FMNH: 1 [1 - **1** - **1**].
12 April 1962: South Sudan: Malakal: FMNH: 10 [10 - **10** - **10**].
23 April 1962: South Sudan: Malakal, 50 mi N: FMNH: 1 [1 - **1** - **1**].
9 May 1962: Egypt: Bahig: FMNH: 1 [1 - **1** - **1**].
18 October 1962: Egypt: Marsa Matruh: FMNH: 1 [1 - **1** - **1**].
5 December 1962: Egypt: Abu Rawash: FMNH: 2 [2 - **2** - **2**].
16 July 1963: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
30 October 1963: Egypt: Port Said, 10 mi S: FMNH: 3 [3 - **3** - **3**].
5 November 1963: Egypt: Gebel el Ahmar: FMNH: 1 [1 - **1** - **1**].
24 September 1964: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
1 October 1964: Egypt: Aswan: FMNH: 2 [2 - **2** - **2**].
10 October 1964: Egypt: Aswan: FMNH: 6 [6 - **6** - **6**].
1 December 1964: Egypt: Abu Rawash: FMNH: 8 [8 - **8** - **8**].
19 December 1964: Egypt: Alexandria: FMNH: 1 [1 - **1** - **1**].
29 December 1964: Egypt: Burgh-El-Arab: FMNH: 1 [1 - **1** - **1**].
11 January 1965: Egypt: Dahshur: FMNH: 21 [21 - **21** - **21**].
16 February 1965: Egypt: Valley of the Kings: FMNH: 3 [3 - **3** - **3**].
17 February 1965: Egypt: Queen Hatchipsat Tomb: FMNH: 20 [20 - **20** - **20**].
12 March 1965: Egypt: Abu Rawash: FMNH: 13 [13 - **13** - **13**].
23 March 1965: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
26 March 1965: Egypt: Wadi el Qreiya: FMNH: 1 [1 - **1** - **1**].
13 August 1965: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].
25 February 1966: Egypt: Aswan: FMNH: 6 [6 - **6** - **6**].
8 September 1966: Egypt: Denderah Temple: FMNH: 19 [19 - **19** - **19**].
21 October 1966: Egypt: Mandisha: FMNH: 31 [31 - **31** - **31**].
30 November 1966: Egypt: Kharga Oasis, Temple of Hibis: FMNH: 1 [1 - **1** - **1**].
3 December 1966: Egypt: Dush Temple: FMNH: 14 [14 - **14** - **14**].
18 February 1967: Sudan: Telaweit: FMNH: 1 [1 - **1** - **1**].
21 February 1967: Sudan: Telaweit: FMNH: 3 [3 - **3** - **3**].
23 February 1967: Sudan: Telaweit: FMNH: 1 [1 - **1** - **1**].
24 February 1967: Sudan: Telaweit: FMNH: 2 [2 - **2** - **2**].
27 February 1967: Sudan: Telaweit: FMNH: 1 [1 - **1** - **1**].
28 February 1967: Sudan: Telaweit: FMNH: 1 [1 - **1** - **1**].
16 May 1967: Egypt: Burgh-El-Arab: FMNH: 1 [1 - **1** - **1**].
24 September 1967: Egypt: Zawyet Umm El Rakham: FMNH: 40 [40 - **40** - **40**].
27 November 1972: Sudan: Telaweit: FMNH: 2 [2 - **2** - **2**].
5 December 1972: Sudan: Telaweit: FMNH: 1 [1 - **1** - **1**].
12 December 1972: Sudan: Telaweit: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Hoogstraal, Harry H.: 3589

Hoogstraal, Harry H.; *et al.*

8 June 1948: Kenya: Menengai Crater: FMNH: 36 [36] - Mount Menengai: FMNH: 20 [20 - **56** - **56**].

Total Specimens for Hoogstraal, Harry H.; *et al.*: 56

Hoogstraal, Harry H.; Alison, R.

Collection Date Unknown: South Sudan: Malakal: USNM: 2 [2 - **2** - **2**].
4 May 1948: South Sudan: Li Rangu: FMNH: 1 [1 - **1** - **1**].

7 June 1948: Kenya: Njoro: USNM: 7 [7 - **7** - **7**].
8 June 1948: Kenya: Menengai Crater: USNM: 2 [2 - **2** - **2**].
28 October 1948: Madagascar: Ambohimahavelona: USNM: 1 [1 - **1** - **1**].
22 November 1948: Madagascar: Bemangidy: USNM: 1 [1 - **1** - **1**].
17 December 1948: Madagascar: Bemangidy: USNM: 1 [1 - **1** - **1**].

Total Specimens for Hoogstraal, Harry H.; Alison, R.: 15

Hoogstraal, Harry H.; Alison, R.; Evans, C.

8 June 1948: Kenya: Menengai Crater: USNM: 35 [35 - **35** - **35**].

Total Specimens for Hoogstraal, Harry H.; Alison, R.; Evans, C.: 35

Hoogstraal, Harry H.; Gabor, S.

14 December 1960: South Sudan: Melut: FMNH: 1 [1 - **1** - **1**].
25 January 1961: South Sudan: Malakal: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Hoogstraal, Harry H.; Gabor, S.: 3

Hoogstraal, Harry H.; Ionides, Constantine J.P.

6 July 1956: Tanzania: Karema: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Hoogstraal, Harry H.; Ionides, Constantine J.P.: 2

Hoogstraal, Harry H.; Kaiser, M.N.

11 March 1956: Egypt: El Qasr: FMNH: 3 [3 - **3** - **3**].
3 May 1956: Egypt: Abu Rawash: USNM: 1 [1 - **1** - **1**].
25 September 1956: Egypt: Abu Rawash: USNM: 1 [1 - **1** - **1**].
27 September 1956: Egypt: Saqqara: USNM: 1 [1 - **1** - **1**].
26 January 1957: Egypt: Abu Rawash: USNM: 1 [1 - **1** - **1**].
20 June 1957: Egypt: Abu Rawash: USNM: 2 [2 - **2** - **2**].
21 June 1957: Egypt: Abu Rawash: USNM: 2 [2 - **2** - **2**].
26 June 1957: Egypt: Abu Rawash: USNM: 5 [5 - **5** - **5**].
10 October 1957: Egypt: Abu Rawash: USNM: 2 [2 - **2** - **2**].
23 October 1957: Egypt: Abu Rawash: USNM: 1 [1 - **1** - **1**].
27 October 1957: Egypt: Al Jiza governorate: FLMNH: 1 [1] - Saqqara: USNM: 2 [2 - **3** - **3**].
2 December 1957: Egypt: Abu Rawash: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Hoogstraal, Harry H.; Kaiser, M.N.: 23

Hoogstraal, Harry H.; Uilenberg, G.

13 May 1968: Madagascar: Ampara Fara: FMNH: 1 [1 - **1** - **1**].
14 May 1968: Madagascar: Ampara Fara: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Hoogstraal, Harry H.; Uilenberg, G.: 3

Hopkins, G.H.E.

12 April 1943: Uganda: Mbale: AMNH: 3 [3 - **3** - **3**].

Total Specimens for Hopkins, G.H.E.: 3

Hopper, L.

1 January 1948: South Africa: Excelcior: HZM: 2 [2 - **2** - **2**].

Total Specimens for Hopper, L.: 2

Horn, A.

5 April 1909: Tanzania: Tanzania: NMW: 1 [1 - **1** - **1**].

Total Specimens for Horn, A.: 1

Horne, J.; Howell, Kim M.

Collection Date Unknown: Kenya: Ferguson's Gulf: BMNH: 1 [1 - **1** - **1**].
30 June 1972: Kenya: Central island: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Horne, J.; Howell, Kim M.: 2

Hornung

Collection Date Unknown: Egypt: Cairo, 20 km S: CAS: 1 [1 - **1** - **1**].

Total Specimens for Hornung: 1

Horwood, Keith; Fernsby, Nigel

12 June 2005: South Africa: Chartwell: TM: 1 [1 - **1** - **1**].

Total Specimens for Horwood, Keith; Fernsby, Nigel: 1

Hösemann

Collection Date Unknown: Tanzania: Ujiji: ZMB: 5 [5 - **5** - **5**].

Total Specimens for Hösemann: 5

Houg

1 November 1912: Cameroon: Njia, SW: SMF: 1 [1 - **1** - **1**].

Total Specimens for Houg: 1

Houy

Collection Date Unknown: Central African Republic: Njia: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Houy: 1

Houy; Lagone; Grenz

Collection Date Unknown: Chad: Goré: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Houy; Lagone; Grenz: 1

Houy; Meyer

Collection Date Unknown: Tanzania: Ussagara [=Usagara]: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Houy; Meyer: 2

Hovel, H.

11 April 1980: South Africa: Matafalu River: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Hovel, H.: 1

Howard, J.A.

1 October 1913: Congo (Democratic Republic of the): Avakubi: KU: 1 [1 - **1** - **1**].
6 March 1914: Congo (Democratic Republic of the): Avakubi: KU: 1 [1 - **1** - **1**].
4 March 1933: Angola: Chitau: KU: 1 [1 - **1** - **1**].

Total Specimens for Howard, J.A.: 3

Howell, Kim M.

Collection Date Unknown: Tanzania: Unknown locality: SMF: 1 [1] - Kimboza Forest Reserve: FMNH: 1 [1] - Kisarawe, near: USNM: 42 [42] - Lindi: SMF: 1 [1] - Lindi region: SMF: 4 [4] - Magrotto Hill: FMNH: 2 [2] - Morogoro region: SMF: 1 [1] - Nambiga Forest Reserve: FMNH: 2 [2 - **54** - **54**].
21 February 1967: Tanzania: Kisarawe, near: USNM: 1 [1 - **1** - **1**].
26 March 1970: Tanzania: Kisarawe, near: USNM: 1 [1 - **1** - **1**].
9 January 1971: Tanzania: Kisarawe, near: USNM: 9 [9 - **9** - **9**].
5 February 1971: Tanzania: Kisarawe, near: USNM: 13 [13 - **13** - **13**].
9 March 1971: Tanzania: Kisarawe: USNM: 1 [1] - Kisarawe, near: USNM: 28 [28 - **29** - **29**].
26 March 1971: Tanzania: Kisarawe, near: USNM: 20 [20 - **20** - **20**].
1 June 1971: Tanzania: Kisarawe, near: USNM: 15 [15 - **15** - **15**].
23 June 1971: Tanzania: Kisarawe, near: USNM: 5 [5 - **5** - **5**].
13 August 1971: Tanzania: Kisarawe, near: USNM: 22 [22 - **22** - **22**].
7 September 1971: Tanzania: Oyster Bay: FMNH: 2 [2 - **2** - **2**].
17 September 1971: Tanzania: Oyster Bay: FMNH: 1 [1 - **1** - **1**].

1 October 1971: Tanzania: Kisarawe, near: USNM: 30 [30 - **30** - **30**].
11 November 1971: Tanzania: Kisarawe, near: USNM: 21 [21 - **21** - **21**].
2 December 1971: Tanzania: Kisarawe: BMNH: 3 [3] - Kisarawe, near: USNM: 15 [15 - **18** - **18**].
15 December 1971: Tanzania: Kisarawe: MCZ: 2 [2] - Kisarawe, near: USNM: 22 [22 - **24** - **24**].
30 December 1971: Tanzania: Kisarawe, near: USNM: 17 [17 - **17** - **17**].
10 January 1972: Tanzania: Kisarawe: BMNH: 1 [1] - Kisarawe, near: USNM: 3 [3 - **4** - **4**].
7 February 1972: Tanzania: Kisarawe, near: TTU: 2 [2 - **2** - **2**].
21 March 1972: Tanzania: Kisarawe, near: USNM: 1 [1 - **1** - **1**].
3 May 1972: Tanzania: Kisarawe, near: USNM: 1 [1 - **1** - **1**].
15 June 1972: Tanzania: Kisarawe, near: USNM: 5 [5 - **5** - **5**].
5 October 1972: Tanzania: Kisarawe, near: USNM: 3 [3 - **3** - **3**].
16 November 1972: Tanzania: Kisarawe, near: USNM: 15 [15 - **15** - **15**].
14 December 1972: Tanzania: Kisarawe, near: USNM: 5 [5 - **5** - **5**].
18 January 1973: Tanzania: Kisarawe, near: USNM: 6 [6 - **6** - **6**].
22 February 1973: Tanzania: Kisarawe, near: USNM: 2 [2 - **2** - **2**].
16 March 1973: Tanzania: Kisarawe, near: USNM: 1 [1 - **1** - **1**].
26 July 1973: Tanzania: Kisarawe, near: USNM: 9 [9 - **9** - **9**].
20 September 1973: Tanzania: Kisarawe, near: USNM: 7 [7 - **7** - **7**].
19 December 1973: Tanzania: Kisarawe, near: USNM: 5 [5 - **5** - **5**].
21 February 1974: Tanzania: Kisarawe, near: USNM: 33 [33 - **33** - **33**].
30 June 1974: Tanzania: Kisarawe, near: USNM: 14 [14 - **14** - **14**].
26 July 1974: Tanzania: Kisarawe, near: USNM: 24 [24 - **24** - **24**].
6 November 1975: Tanzania: Shinyanga region: SMF: 1 [1 - **1** - **1**].
17 June 1976: Tanzania: Kisarawe, near: USNM: 16 [16 - **16** - **16**].
23 July 1976: Tanzania: Kisarawe, near: USNM: 43 [43 - **43** - **43**].
21 July 1978: Tanzania: Dar es Salaam University: FMNH: 1 [1 - **1** - **1**].
11 November 1978: Tanzania: Dar es Salaam: FMNH: 1 [1 - **1** - **1**].
7 December 1979: Tanzania: Dar es Salaam University: FMNH: 1 [1 - **1** - **1**].
2 September 1980: Tanzania: Dar es Salaam University: FMNH: 3 [3 - **3** - **3**].
1 January 1981: Tanzania: Mazumbai Forest Reserve: FMNH: 1 [1 - **1** - **1**].
11 January 1981: Tanzania: Mwanihana forest: SMF: 2 [2 - **2** - **2**].
25 January 1981: Tanzania: Mazumbai Forest Reserve: FMNH: 1 [1 - **1** - **1**].
28 January 1981: Tanzania: Mazumbai Forest Reserve: FMNH: 1 [1 - **1** - **1**].
29 January 1981: Tanzania: Mazumbai Forest Reserve: FMNH: 1 [1 - **1** - **1**].
20 February 1981: Tanzania: Ambangulu Estate: SMF: 1 [1 - **1** - **1**].
23 February 1981: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
23 October 1981: Tanzania: Dar es Salaam University: FMNH: 1 [1 - **1** - **1**].
31 August 1982: Tanzania: Dar es Salaam University: FMNH: 1 [1 - **1** - **1**].
10 April 1983: Tanzania: Mikumi National Park, H.Q.: SMF: 1 [1 - **1** - **1**].
17 April 1984: Tanzania: Mwanihana forest: SMF: 1 [1 - **1** - **1**].
1 September 1984: Tanzania: Gibbs farm: SMF: 1 [1 - **1** - **1**].
28 August 1985: Tanzania: Mazumbai Forest Reserve: FMNH: 3 [3 - **3** - **3**].
16 April 1986: Tanzania: Mikumi National Park, H.Q.: SMF: 1 [1 - **1** - **1**].
11 May 1986: Tanzania: Lake Manyara National Park: SMF: 1 [1] - Manyara, Lake: SMF: 1 [1 - **2** - **2**].
12 May 1986: Tanzania: Lake Manyara National Park: SMF: 2 [2 - **2** - **2**].
28 July 1986: Tanzania: Mangola: SMF: 1 [1 - **1** - **1**].
22 August 1986: Tanzania: Kizara logging site: FMNH: 1 [1 - **1** - **1**].
17 July 1987: Tanzania: Minziro Forest Reserve: SMF: 1 [1 - **1** - **1**].
1 July 1990: Tanzania: Kiwengoma Forest Reserve: FMNH: 2 [2 - **2** - **2**].
21 August 1990: Tanzania: Mchungu Forest Reserve: FMNH: 1 [1 - **1** - **1**].
22 August 1990: Tanzania: Mchungu Forest Reserve: FMNH: 3 [3 - **3** - **3**].
26 October 1990: Tanzania: Mlola Forest: FMNH: 2 [2 - **2** - **2**].
18 November 1990: Tanzania: Kilindoni Forest strip: SMF: 1 [1 - **1** - **1**].
26 November 1990: Tanzania: Kilindoni: SMF: 1 [1 - **1** - **1**].
18 January 1991: Tanzania: Kazimzumbwi forest reserve: FMNH: 1 [1 - **1** - **1**].
10 February 1991: Tanzania: Kazimzumbwi forest reserve: FMNH: 1 [1 - **1** - **1**].
23 February 1991: Tanzania: Ruvu South Forest Reserve: FMNH: 1 [1 - **1** - **1**].
13 November 1991: Tanzania: Tanga: SMF: 1 [1 - **1** - **1**].
1 May 1992: Tanzania: Mafia Island: SMF: 3 [3 - **3** - **3**].
14 May 1992: Tanzania: Kanga Ngome Forest: FMNH: 1, SMF: 2 [3 - **3** - **3**].
24 July 1992: Tanzania: Somanga: FMNH: 1 [1 - **1** - **1**].
1 August 1992: Tanzania: Tong'omba Forest Reserve: FMNH: 1 [1 - **1** - **1**].
7 August 1992: Tanzania: Tong'omba Forest Reserve: FMNH: 1 [1 - **1** - **1**].
8 August 1992: Tanzania: Tong'omba Forest Reserve: FMNH: 1 [1 - **1** - **1**].
12 August 1992: Tanzania: Tong'omba Forest Reserve: FMNH: 1 [1 - **1** - **1**].
30 August 1992: Tanzania: Namakutwa Forest Reserve: FMNH: 3 [3] - Tong'omba Forest Reserve: FMNH: 1 [1 - **4** - **4**].
22 October 1992: Tanzania: Tong'amba forest reserve: SMF: 1 [1 - **1** - **1**].
12 March 1993: Tanzania: Dar es Salaam University: FMNH: 1 [1 - **1** - **1**].
2 February 1994: Tanzania: Kimboza Forest Reserve: FMNH: 2 [2 - **2** - **2**].
3 February 1994: Tanzania: Kimboza Forest Reserve: FMNH: 3 [3 - **3** - **3**].
4 February 1994: Tanzania: Kimboza Forest Reserve: FMNH: 2 [2 - **2** - **2**].
18 February 1994: Tanzania: Kimboza Forest Reserve: FMNH: 1 [1 - **1** - **1**].
19 February 1994: Tanzania: Ruvu South Forest Reserve: FMNH: 1 [1 - **1** - **1**].
1 March 1994: Tanzania: Kimboza Forest Reserve: FMNH: 1 [1 - **1** - **1**].
16 October 1994: Tanzania: Mlumbaji Stream camp: FMNH: 1 [1 - **1** - **1**].
17 October 1994: Tanzania: Kihansi Stream area: FMNH: 1 [1 - **1** - **1**].

21 October 1994: Tanzania: Kihansi Airstrip: FMNH: 1 [1 - **1** - **1**].
23 October 1994: Tanzania: Kihansi Airstrip: FMNH: 1 [1 - **1** - **1**].
20 February 1995: Tanzania: Kwambumi Forest Reserve: FMNH: 1 [1 - **1** - **1**].
4 March 1995: Tanzania: Kimboza Forest Reserve: FMNH: 1 [1 - **1** - **1**].
8 March 1995: Tanzania: Kwambumi Forest Reserve: FMNH: 2 [2 - **2** - **2**].
21 March 1995: Tanzania: Kwambumi Forest Reserve: FMNH: 1 [1 - **1** - **1**].
27 April 1995: Tanzania: Dar es Salaam University: FMNH: 2 [2 - **2** - **2**].
14 June 1995: Tanzania: Tong'omba Forest Reserve: FMNH: 3 [3 - **3** - **3**].
28 November 1995: Tanzania: Mlola Forest: FMNH: 5 [5 - **5** - **5**].
23 May 1997: Tanzania: Bulyanhulu: FMNH: 1 [1 - **1** - **1**].
30 June 1997: Tanzania: Mikumi National Park: FMNH: 1 [1 - **1** - **1**].
13 April 1998: Tanzania: Kilombero Valley: FMNH: 1 [1 - **1** - **1**].
19 April 1998: Tanzania: Ashanti-Geita: FMNH: 1 [1 - **1** - **1**].
22 April 1998: Tanzania: Kilombero Valley: FMNH: 4 [4 - **4** - **4**].
24 April 1998: Tanzania: Ashanti-Geita: FMNH: 4 [4 - **4** - **4**].
25 April 1998: Tanzania: Kilombero Valley: FMNH: 1 [1 - **1** - **1**].
29 April 1998: Tanzania: Kilombero Valley: FMNH: 1 [1 - **1** - **1**].
5 May 1998: Tanzania: Kilombero Valley: FMNH: 1 [1 - **1** - **1**].
9 May 1998: Tanzania: Kilombero Valley: FMNH: 2 [2 - **2** - **2**].
19 August 1998: Tanzania: Ashanti-Geita: FMNH: 2 [2 - **2** - **2**].
1 January 2000: Tanzania: Udzungwa mountains: FMNH: 1 [1 - **1** - **1**].
22 January 2000: Tanzania: Mafinji Camp: FMNH: 1 [1 - **1** - **1**].
1 February 2000: Tanzania: Utete: FMNH: 1 [1 - **1** - **1**].
7 June 2000: Tanzania: Utete: FMNH: 1 [1 - **1** - **1**].
10 July 2000: Tanzania: Mkungwe Forest Reserve: FMNH: 1 [1 - **1** - **1**].
22 July 2000: Tanzania: Udzungwa Mts, West Kilombero Scarp Forest Reserve, Ndundulu Forest: FMNH: 1 [1 - **1** - **1**].
23 July 2000: Tanzania: Mvuha Forest Reserve: FMNH: 1 [1 - **1** - **1**].
2 August 2000: Tanzania: Kasanga Forest Reserve: FMNH: 1 [1 - **1** - **1**].
4 August 2000: Tanzania: Nyumbanitu Forest: FMNH: 1 [1 - **1** - **1**].
6 August 2000: Tanzania: Nyumbanitu Forest: FMNH: 1 [1 - **1** - **1**].
12 August 2000: Tanzania: Mkungwe Forest Reserve: FMNH: 2 [2 - **2** - **2**].
15 August 2000: Tanzania: Nyumbanitu Forest: FMNH: 1 [1 - **1** - **1**].
17 August 2000: Tanzania: Nyumbanitu Forest: FMNH: 1 [1 - **1** - **1**].
18 August 2000: Tanzania: Nyumbanitu Forest: FMNH: 1 [1 - **1** - **1**].
21 August 2000: Tanzania: Milaliwila Forest Reserve: FMNH: 1 [1] - Ngambaula Forest Reserve: FMNH: 1 [1 - **2** - **2**].
27 August 2000: Tanzania: Nyumbanitu Forest: FMNH: 3 [3 - **3** - **3**].
22 October 2000: Tanzania: New Dabaga/Ulangambi Forest Reserve: FMNH: 1 [1 - **1** - **1**].
1 November 2000: Tanzania: New Dabaga/Ulangambi Forest Reserve: FMNH: 4 [4 - **4** - **4**].
2 November 2000: Tanzania: New Dabaga/Ulangambi Forest Reserve: FMNH: 1 [1 - **1** - **1**].
16 November 2000: Tanzania: Nyumbanitu Forest: FMNH: 4 [4 - **4** - **4**].
27 November 2000: Tanzania: Ukami Forest: FMNH: 2 [2 - **2** - **2**].
1 January 2003: Tanzania: Nyumbanitu Forest Reserve: FMNH: 4 [4] - Ukami Forest Reserve: FMNH: 5 [5 - **9** - **9**].
24 January 2003: Tanzania: Nawenge Forest Reserve: FMNH: 1 [1 - **1** - **1**].
30 January 2003: Tanzania: Nawenge Forest Reserve: FMNH: 1 [1 - **1** - **1**].
1 February 2003: Tanzania: Ukami Forest Reserve: FMNH: 9 [9 - **9** - **9**].
16 February 2003: Tanzania: Mahenge Scarp Forest Reserve: FMNH: 1 [1 - **1** - **1**].
19 February 2003: Tanzania: Mahenge Scarp Forest Reserve: FMNH: 1 [1 - **1** - **1**].
20 February 2003: Tanzania: Mahenge Scarp Forest Reserve: FMNH: 2 [2 - **2** - **2**].
23 February 2003: Tanzania: Mahenge Scarp Forest Reserve: FMNH: 4 [4 - **4** - **4**].
24 February 2003: Tanzania: Mahenge Scarp Forest Reserve: FMNH: 1 [1 - **1** - **1**].
1 March 2003: Tanzania: Ukami Forest Reserve: FMNH: 2 [2 - **2** - **2**].
15 April 2007: Tanzania: Mwofwomero Forest: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Howell, Kim M.: 652

Howell, Kim M.; Harly

3 September 1984: Tanzania: Mongola: SMF: 1 [1 - **1** - **1**].

Total Specimens for Howell, Kim M.; Harly: 1

Howell, Kim M.; Mihok, S

24 April 1980: Tanzania: Morningside: SMF: 1 [1 - **1** - **1**].

Total Specimens for Howell, Kim M.; Mihok, S: 1

Howell, Kim M.; Msuya, C.A.

Collection Date Unknown: Tanzania: Kisarawe: USNM: 1 [1] - Pugu forest: ZMUC: 10 [10 - **11** - **11**].
9 January 1971: Tanzania: Kisarawe, near: USNM: 3 [3 - **3** - **3**].
5 February 1971: Tanzania: Kisarawe, near: USNM: 7 [7 - **7** - **7**].
11 November 1971: Tanzania: Kisarawe, near: USNM: 17 [17 - **17** - **17**].
17 January 1972: Tanzania: Kisarawe: USNM: 1 [1 - **1** - **1**].
16 February 1972: Tanzania: Kisarawe: USNM: 1 [1 - **1** - **1**].

17 August 1972: Tanzania: Kisarawe, near: USNM: 3 [3 - **3** - **3**].
7 September 1972: Tanzania: Kisarawe, near: USNM: 3 [3 - **3** - **3**].
5 October 1972: Tanzania: Kisarawe, near: USNM: 6 [6 - **6** - **6**].
5 November 1972: Tanzania: Kisarawe, near: USNM: 1 [1 - **1** - **1**].
16 November 1972: Tanzania: Kisarawe, near: USNM: 8 [8 - **8** - **8**].
18 January 1973: Tanzania: Kisarawe: USNM: 1 [1] - Kisarawe, near: USNM: 10 [10 - **11** - **11**].
15 February 1973: Tanzania: Kisarawe, near: USNM: 5 [5 - **5** - **5**].
22 February 1973: Tanzania: Kisarawe: USNM: 2 [2] - Kisarawe, near: USNM: 15 [15 - **17** - **17**].
16 March 1973: Tanzania: Kisarawe, near: USNM: 21 [21 - **21** - **21**].
30 April 1973: Tanzania: Kisarawe, near: USNM: 9 [9 - **9** - **9**].
10 May 1973: Tanzania: Kisarawe, near: USNM: 16 [16 - **16** - **16**].
21 June 1973: Tanzania: Kisarawe, near: USNM: 20 [20 - **20** - **20**].
26 June 1973: Tanzania: Kisarawe, near: USNM: 6 [6 - **6** - **6**].
26 July 1973: Tanzania: Kisarawe, near: USNM: 23 [23 - **23** - **23**].
8 August 1973: Tanzania: Kisarawe, near: USNM: 12 [12 - **12** - **12**].
23 August 1973: Tanzania: Kisarawe, near: USNM: 14 [14 - **14** - **14**].
20 September 1973: Tanzania: Kisarawe, near: USNM: 19 [19 - **19** - **19**].
25 October 1973: Tanzania: Kisarawe, near: USNM: 23 [23 - **23** - **23**].
22 November 1973: Tanzania: Kisarawe, near: USNM: 24 [24 - **24** - **24**].
19 December 1973: Tanzania: Kisarawe, near: USNM: 11 [11 - **11** - **11**].
21 February 1974: Tanzania: Kisarawe, near: USNM: 15 [15 - **15** - **15**].
18 January 1978: Tanzania: Kisarawe, near: USNM: 1 [1 - **1** - **1**].
11 May 1986: Tanzania: Lake Manyara National Park: SMF: 1 [1 - **1** - **1**].

Total Specimens for Howell, Kim M.; Msuya, C.A.: 309

Howell, Kim M.; Otindo, B.L.

25 June 1972: Tanzania: Dar es Salaam: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Howell, Kim M.; Otindo, B.L.: 1

Howell, Kim M.; Stuart, S.N.

Collection Date Unknown: Tanzania: Amani West Forest Reserve: BMNH: 1 [1 - **1** - **1**].
21 January 1981: Tanzania: Mazumba Estate: SMF: 1 [1 - **1** - **1**].

Total Specimens for Howell, Kim M.; Stuart, S.N.: 2

Howell, Kim M.; Wrangham, R.W.

12 December 1970: Tanzania: Gombe Stream National Park: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Howell, Kim M.; Wrangham, R.W.: 1

Howes, C.

Collection Date Unknown: South Africa: Table Mountain, Platteklip: SAMC: 1 [1 - **1** - **1**].

Total Specimens for Howes, C.: 1

Hoyt, R.

11 August 1977: Niger: Maradi: TTU: 1 [1 - **1** - **1**].

Total Specimens for Hoyt, R.: 1

Hrdlicka, Aleš
(30 March 1869: Humpolec - 5 September 1943: Washington)

Collection Date Unknown: Egypt: El Lisht: FMNH: 3 [3] - Kharga Oasis, City of Deads: USNM: 12 [12] - Lisht: USNM: 23 [23 - **38** - **38**].
1 January 1909: Egypt: Lisht: USNM: 1 [1 - **1** - **1**].

Total Specimens for Hrdlicka, Aleš: 39

Hubbard, C. Andresen

4 April 1962: Tanzania: Amani: TM: 1 [1 - **1** - **1**].
1 May 1962: Tanzania: Amani: TM: 2 [2 - **2** - **2**].

Total Specimens for Hubbard, C. Andresen: 3

Huberth, E.; Mayer, Anton; Spitzenberger, Frederike; Wirth, Josef

16 August 1979: Morocco: Kef Azigza Cave: NMW: 36 [36 - **36** - **36**].

Total Specimens for Huberth, E.; Mayer, Anton; Spitzenberger, Frederike; Wirth, Josef: 36

Hughes, D.L.

28 March 1961: Zambia: Chilanga cave: USNM: 2 [2 - **2** - **2**].
8 December 1964: Zimbabwe: Gurungwe: USNM: 1 [1 - **1** - **1**].
13 December 1965: Botswana: Chobe NP, Kasane: USNM: 1 [1 - **1** - **1**].
10 January 1966: Botswana: Chobe NP, Kasane: USNM: 1 [1 - **1** - **1**].
10 November 1966: Botswana: Chobe NP, Kasane: USNM: 2 [2 - **2** - **2**].
5 December 1966: Botswana: Chobe NP, Kasane: USNM: 1 [1 - **1** - **1**].

Total Specimens for Hughes, D.L.: 8

Hughes, G.

24 April 1964: South Africa: Makatini Flats, 20 mi [=32 km] E: USNM: 1 [1 - **1** - **1**].
4 May 1964: South Africa: Maputa: USNM: 3 [3 - **3** - **3**].

Total Specimens for Hughes, G.: 4

Huhndorf, Michael H.

9 July 2001: Congo (Democratic Republic of the): Lwiro: FMNH: 3 [3 - **3** - **3**].
13 July 2001: Congo (Democratic Republic of the): Lwiro: FMNH: 2 [2 - **2** - **2**].
19 July 2001: Congo (Democratic Republic of the): Washiha Forest: FMNH: 2 [2 - **2** - **2**].
25 July 2002: Congo (Democratic Republic of the): Mugeri: FMNH: 6 [6 - **6** - **6**].
29 July 2002: Congo (Democratic Republic of the): Lwiro: FMNH: 4 [4 - **4** - **4**].
31 July 2002: Congo (Democratic Republic of the): Lwiro: FMNH: 2 [2 - **2** - **2**].
16 February 2007: Congo (Democratic Republic of the): Kabobo Forest: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Huhndorf, Michael H.: 20

Hulselmans, Jan; De Vree, Frits; Geeraerts

Collection Date Unknown: Cameroon: Unknown locality: RMCA: 4 [4] - Waza: RMCA: 32 [32] - Yagoua: RMCA: 1 [1 - **37** - **37**].
7 August 1972: Cameroon: Poli: RMCA: 1 [1 - **1** - **1**].
8 August 1972: Cameroon: Poli: RMCA: 5 [5 - **5** - **5**].
9 August 1972: Cameroon: Poli: RMCA: 9 [9 - **9** - **9**].
11 August 1972: Cameroon: Poli: RMCA: 3 [3 - **3** - **3**].
12 August 1972: Cameroon: Poli: RMCA: 14 [14 - **14** - **14**].
13 August 1972: Cameroon: Poli: RMCA: 8 [8 - **8** - **8**].
14 August 1972: Cameroon: Poli: RMCA: 24 [24 - **24** - **24**].
15 August 1972: Cameroon: Poli: RMCA: 26 [26 - **26** - **26**].
18 August 1972: Cameroon: Boukma: RMCA: 1 [1 - **1** - **1**].
19 August 1972: Cameroon: Boukma: RMCA: 2 [2 - **2** - **2**].
20 August 1972: Cameroon: Boukma: RMCA: 1 [1 - **1** - **1**].
24 August 1972: Cameroon: Waza: RMCA: 6 [6 - **6** - **6**].
25 August 1972: Cameroon: Waza: RMCA: 12 [12 - **12** - **12**].
26 August 1972: Cameroon: Waza: RMCA: 35 [35 - **35** - **35**].
27 August 1972: Cameroon: Waza: RMCA: 116 [116 - **116** - **116**].
28 August 1972: Cameroon: Waza: RMCA: 12 [12 - **12** - **12**].
29 August 1972: Cameroon: Waza: RMCA: 34 [34 - **34** - **34**].
30 August 1972: Cameroon: Waza: RMCA: 63 [63 - **63** - **63**].
31 August 1972: Cameroon: Waza: RMCA: 24 [24 - **24** - **24**].
3 September 1972: Cameroon: Yagoua: RMCA: 5 [5 - **5** - **5**].
4 September 1972: Cameroon: Yagoua: RMCA: 39 [39 - **39** - **39**].
5 September 1972: Cameroon: Yagoua: RMCA: 28 [28 - **28** - **28**].
6 September 1972: Cameroon: Yagoua: RMCA: 6 [6 - **6** - **6**].
7 September 1972: Cameroon: Yagoua: RMCA: 26 [26 - **26** - **26**].
8 September 1972: Cameroon: Yagoua: RMCA: 49 [49 - **49** - **49**].
9 September 1972: Cameroon: Yagoua: RMCA: 7 [7 - **7** - **7**].
16 September 1972: Cameroon: Wakwa: RMCA: 7 [7 - **7** - **7**].
17 September 1972: Cameroon: Wakwa: RMCA: 19 [19 - **19** - **19**].
18 September 1972: Cameroon: Wakwa: RMCA: 29 [29 - **29** - **29**].
19 September 1972: Cameroon: Wakwa: RMCA: 9 [9 - **9** - **9**].
20 September 1972: Cameroon: Wakwa: RMCA: 14 [14 - **14** - **14**].
21 September 1972: Cameroon: Wakwa: RMCA: 7 [7 - **7** - **7**].
23 September 1972: Cameroon: Meïganga: RMCA: 2 [2 - **2** - **2**].
24 September 1972: Cameroon: Meïganga: RMCA: 6 [6 - **6** - **6**].
25 September 1972: Cameroon: Meïganga: RMCA: 1 [1 - **1** - **1**].
26 September 1972: Cameroon: Meïganga: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Hulselmans, Jan; De Vree, Frits; Geeraerts: 689

Hulselmans, Jan; Louette, Michel

1 January 1974: Cameroon: Unknown locality: RMCA: 3 [3 - **3** - **3**].
1 August 1974: Cameroon: Unknown locality: RMCA: 1 [1 - **1** - **1**].
25 August 1974: Cameroon: Eseka: RMCA: 1 [1 - **1** - **1**].
27 August 1974: Cameroon: Eseka: RMCA: 1 [1 - **1** - **1**].
28 August 1974: Cameroon: Eseka: RMCA: 1 [1 - **1** - **1**].
29 August 1974: Cameroon: Eseka: RMCA: 1 [1 - **1** - **1**].
30 August 1974: Cameroon: Eseka: RMCA: 3 [3 - **3** - **3**].
31 August 1974: Cameroon: Eseka: RMCA: 1 [1 - **1** - **1**].
1 September 1974: Cameroon: Eseka: RMCA: 3 [3 - **3** - **3**].
2 September 1974: Cameroon: Eseka: RMCA: 2 [2 - **2** - **2**].
3 September 1974: Cameroon: Eseka: RMCA: 9 [9 - **9** - **9**].
4 September 1974: Cameroon: Eseka: RMCA: 4 [4 - **4** - **4**].
5 September 1974: Cameroon: Eseka: RMCA: 3 [3 - **3** - **3**].
12 September 1974: Cameroon: Koza: RMCA: 1 [1 - **1** - **1**].
13 September 1974: Cameroon: Koza: RMCA: 8 [8 - **8** - **8**].
14 September 1974: Cameroon: Koza: RMCA: 8 [8 - **8** - **8**].
15 September 1974: Cameroon: Koza: RMCA: 2 [2 - **2** - **2**].
16 September 1974: Cameroon: Koza: RMCA: 8 [8 - **8** - **8**].
17 September 1974: Cameroon: Koza: RMCA: 21 [21 - **21** - **21**].
18 September 1974: Cameroon: Koza: RMCA: 2 [2 - **2** - **2**].
19 September 1974: Cameroon: Koza: RMCA: 7 [7 - **7** - **7**].
20 September 1974: Cameroon: Koza: RMCA: 1 [1 - **1** - **1**].
21 September 1974: Cameroon: Koza: RMCA: 6 [6 - **6** - **6**].
28 September 1974: Cameroon: Tello: RMCA: 1 [1 - **1** - **1**].
2 October 1974: Cameroon: Tello: RMCA: 1 [1 - **1** - **1**].
12 October 1974: Cameroon: Bini, lake: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Hulselmans, Jan; Louette, Michel: 101

Hulstaert, Gustaaf
(5 July 1899: Melsele - 1990)

26 May 1928: Congo (Democratic Republic of the): Flandria: RMCA: 1 [1 - **1** - **1**].
27 August 1929: Congo (Democratic Republic of the): Flandria: RMCA: 1 [1 - **1** - **1**].
1 January 1930: Congo (Democratic Republic of the): Flandria: RMCA: 1 [1 - **1** - **1**].
20 March 1956: Congo (Democratic Republic of the): Bamania: RMCA: 1 [1 - **1** - **1**].
1 January 1974: Congo (Democratic Republic of the): Bamania: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Hulstaert, Gustaaf: 5

Humblot, Léon

Collection Date Unknown: "Africa": Unknown locality: MNHN: 1 [1 - **1**].
Comoros: Anjouan Island: MNHN: 4 [4] - Grand Comoro Island: MNHN: 2 [2] - Grande Comore: MNHN: 6 [6 - **12**].
Madagascar: Unknown locality: MNHN: 17 [17 - **17**].
Mayotte: Mayotte: MNHN: 6 [6 - **6** - **36**].
1 January 1880: Madagascar: Eastern Madagascar: MNHN: 10 [10 - **10** - **10**].

Total Specimens for Humblot, Léon: 46

Humboldt, Friedrich Wilhelm Heinrich Alexander
(14 September 1769: Berlin - 6 May 1859: Berlin)

Collection Date Unknown: Comoros: Anjouan Island: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Humboldt, Friedrich Wilhelm Heinrich Alexander: 1

Humes, Arthur Grover; Berger, J.

21 July 1964: Madagascar: Hellville, 3 km E: USNM: 1 [1 - **1** - **1**].

Total Specimens for Humes, Arthur Grover; Berger, J.: 1

Humphreys, Eddie

15 January 2004: South Africa: Rietondale, 177 Lys Street: TM: 1 [1 - **1** - **1**].

Total Specimens for Humphreys, Eddie: 1

Hunter in house

9 February 1992: Egypt: Abu Rawash: CM: 2 [2 - **2** - **2**].

Total Specimens for Hunter in house: 2

Hunter, G.

13 October 1971: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].

Total Specimens for Hunter, G.: 1

Hunter, H.C.V.

Collection Date Unknown: Kenya: Tana River: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hunter, H.C.V.: 1

Hupfer

Collection Date Unknown: Gabon: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Hupfer: 1

Hürstel

Collection Date Unknown: Tanzania: Dar es Salaam: MZS: 1 [1 - **1** - **1**].

Total Specimens for Hürstel: 1

Hutereau, M.

Collection Date Unknown: Congo (Democratic Republic of the): Dungu: RMCA: 9 [9] - Uele: RMCA: 1 [1 - **10** - **10**].
28 April 1914: Congo (Democratic Republic of the): Uele: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Hutereau, M.: 11

Hutsebaut, Jozef
(1886 - 1954)

Collection Date Unknown: Congo (Democratic Republic of the): Buta: RMCA: 68 [68] - Dilolo: RMCA: 2 [2] - Ibembo: RMCA: 7 [7 - **77** - **77**].
1 January 1925: Congo (Democratic Republic of the): Buta: RMCA: 2 [2 - **2** - **2**].
1 December 1927: Congo (Democratic Republic of the): Buta: MCZ: 1 [1] - Uele: MCZ: 1 [1 - **2** - **2**].
20 February 1928: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
1 January 1930: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
1 January 1932: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
1 June 1934: Congo (Democratic Republic of the): Buta: RMCA: 10 [10 - **10** - **10**].
1 December 1934: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
1 January 1935: Congo (Democratic Republic of the): Buta: RMCA: 2 [2 - **2** - **2**].
11 March 1935: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
8 January 1936: Congo (Democratic Republic of the): Buta: RMCA: 3 [3 - **3** - **3**].
13 January 1936: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
19 January 1936: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
12 June 1936: Congo (Democratic Republic of the): Buta: RMCA: 2 [2 - **2** - **2**].
14 August 1938: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
12 September 1939: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
10 May 1940: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
2 August 1940: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
12 January 1944: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
12 March 1945: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
2 February 1948: Congo (Democratic Republic of the): Dilolo: RMCA: 1 [1 - **1** - **1**].
9 February 1948: Congo (Democratic Republic of the): Dilolo: RMCA: 2 [2 - **2** - **2**].
7 March 1948: Congo (Democratic Republic of the): Sakania: RMCA: 1 [1 - **1** - **1**].
5 May 1948: Congo (Democratic Republic of the): Baudouinville: RMCA: 1 [1 - **1** - **1**].
20 June 1949: Congo (Democratic Republic of the): Buta: RMCA: 6 [6 - **6** - **6**].
1 July 1949: Congo (Democratic Republic of the): Buta: RMCA: 2 [2 - **2** - **2**].
1 September 1949: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
10 September 1949: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
20 September 1949: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
1 November 1949: Congo (Democratic Republic of the): Ibembo: BMNH: 2, RMCA: 1 [3 - **3** - **3**].
10 February 1950: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
13 February 1950: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
20 February 1950: Congo (Democratic Republic of the): Ibembo: RMCA: 2 [2 - **2** - **2**].
21 February 1950: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].

1 July 1950: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
20 July 1950: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
17 September 1950: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
1 December 1950: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
25 January 1951: Congo (Democratic Republic of the): Ibembo: RMCA: 2 [2 - **2** - **2**].
6 June 1951: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
1 November 1951: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
20 December 1951: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
21 December 1951: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
1 October 1952: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
1 December 1952: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Hutsebaut, Jozef: 147

Hutson, Anthony Michael

Collection Date Unknown: Seychelles: South Island, Takamaka Grove: BMNH: 5 [5 - **5** - **5**].
12 February 1968: "Africa": Takamaka: BMNH: 1 [1 - **1** - **1**].
14 February 1968: "Africa": Takamaka Grove: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Hutson, Anthony Michael: 9

Hutson, Anthony Michael; Berger, J.

20 March 1968: Seychelles: Dune Jean Louis: USNM: 1 [1 - **1** - **1**].

Total Specimens for Hutson, Anthony Michael; Berger, J.: 1

Hutton-Seed, R.

Collection Date Unknown: Kenya: Maungu: ROM: 1 [1] - Rumuruti, 45 km N: ROM: 1 [1 - **2** - **2**].
27 December 1963: Kenya: Archer's Post: ROM: 1 [1 - **1** - **1**].
25 December 1965: Kenya: Central island: ROM: 1 [1 - **1** - **1**].
3 March 1973: Kenya: Nanyuki, 27 mi [= 43 km] NW: ROM: 1 [1 - **1** - **1**].
15 March 1973: Kenya: Maungu Hill: ROM: 5 [5 - **5** - **5**].
29 March 1973: Kenya: Maungu Hill: ROM: 2 [2 - **2** - **2**].
2 April 1973: Kenya: Maungu Hill: ROM: 2 [2 - **2** - **2**].
3 April 1973: Kenya: Maungu Hill: ROM: 1 [1 - **1** - **1**].
7 April 1973: Kenya: Maungu Hill: ROM: 3 [3 - **3** - **3**].
12 April 1973: Kenya: Wangala Station: ROM: 2 [2 - **2** - **2**].
13 May 1973: Kenya: Wangala: ROM: 2 [2 - **2** - **2**].
20 May 1973: Kenya: Kiambu, 4 mi [=6 km] NW: ROM: 1 [1 - **1** - **1**].
30 May 1973: Kenya: Kiambu, 4 mi [=6 km] NW: ROM: 2 [2 - **2** - **2**].
31 May 1973: Kenya: Kiambu, 4 mi [=6 km] NW: ROM: 1 [1 - **1** - **1**].
3 June 1973: Kenya: Thika, 6 km N: ROM: 1 [1 - **1** - **1**].
4 June 1973: Kenya: Kiambu, 4 mi [=6 km] NW: ROM: 1 [1 - **1** - **1**].
1 October 1976: Kenya: Maungu: ROM: 2 [2] - Voi, 30 km SE: ROM: 1 [1 - **3** - **3**].
18 October 1976: Kenya: Rumuruti, 45 km N: ROM: 2 [2 - **2** - **2**].
20 October 1976: Kenya: Isiolo, 18 km SE: ROM: 5 [5 - **5** - **5**].
21 October 1976: Kenya: Maungu: ROM: 1 [1 - **1** - **1**].
22 October 1976: Kenya: Voi, 30 km SE: ROM: 1 [1 - **1** - **1**].
27 October 1976: Kenya: Maungu: ROM: 1 [1] - Voi, 30 km SE: ROM: 1 [1 - **2** - **2**].
30 October 1976: Kenya: Maungu: ROM: 2 [2] - Voi, 30 km SE: ROM: 2 [2 - **4** - **4**].
21 November 1976: Kenya: Maungu: ROM: 3 [3] - Voi, 30 km SE: ROM: 2 [2 - **5** - **5**].
22 November 1976: Kenya: Maungu: ROM: 4 [4] - Voi, 30 km SE: ROM: 4 [4 - **8** - **8**].
1 December 1976: Kenya: Voi, 30 km SE: ROM: 1 [1 - **1** - **1**].

Total Specimens for Hutton-Seed, R.: 60

Hutton-Seed, R.; Williams, A.E.

9 April 1973: Kenya: Kampi Ya Samaki: ROM: 1 [1 - **1** - **1**].
3 May 1973: Kenya: Ortum: ROM: 1 [1 - **1** - **1**].
10 May 1973: Kenya: Maungu: ROM: 5 [5] - Maungu Hill: ROM: 7 [7 - **12** - **12**].
11 May 1973: Kenya: Maungu: ROM: 7 [7] - Maungu Hill: ROM: 8 [8 - **15** - **15**].
12 May 1973: Kenya: Maungu Hill: ROM: 2 [2 - **2** - **2**].
3 October 1973: Kenya: Marigat: ROM: 1 [1 - **1** - **1**].
3 May 1974: Kenya: Marigat, Perakera River: ROM: 1 [1] - near Marigat, Perakera River: ROM: 1 [1 - **2** - **2**].

Total Specimens for Hutton-Seed, R.; Williams, A.E.: 34

Huyn, Ludwig von
(14 September 1896 - 20 May 1946)

Collection Date Unknown: Ethiopia: Garairobi Lake: ZMB: 1 [1 - **1** - **1**].

25 October 1930: Ethiopia: Addis Abeba: ZFMK: 1 [1 - **1** - **1**].
5 February 1931: Ethiopia: Harairobo, lake: ZFMK: 5 [5 - **5** - **5**].

Total Specimens for Huyn, Ludwig von: 7

Huypens

6 August 1947: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Huypens: 1

Hygiene Services of the Congo, The

28 December 1955: Congo (Democratic Republic of the): Mumene: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Hygiene Services of the Congo, The: 2

I.P.N.C.

9 February 1960: Rwanda: Gabiro: RMCA: 52 [52 - **52** - **52**].

Total Specimens for I.P.N.C.: 52

Ibáñez Uargui, Carlos J.; Expedition 8/87, The

11 May 1987: Morocco: Jebel Tisouka: EBD: 6 [6 - **6** - **6**].
12 May 1987: Morocco: Puente Fomento: EBD: 6 [6 - **6** - **6**].
13 May 1987: Morocco: Oued Laou, near: EBD: 1 [1 - **1** - **1**].
14 May 1987: Morocco: Tétouan, cave 6 km E: EBD: 24 [24 - **24** - **24**].
15 May 1987: Morocco: Moulay Abdeslam, 5 km W: EBD: 3 [3] - Tétouan, cave 6 km E: EBD: 1 [1 - **4** - **4**].
16 May 1987: Morocco: Moulay Abdeslam, 5 km W: EBD: 20 [20 - **20** - **20**].
17 May 1987: Morocco: Moulay Abdeslam, 5 km W: EBD: 5 [5 - **5** - **5**].
9 May 1997: Morocco: Bou Akden mine: EBD: 2 [2 - **2** - **2**].
11 May 1997: Morocco: Tiguerte cave: EBD: 2 [2 - **2** - **2**].

Total Specimens for Ibáñez Uargui, Carlos J.; Expedition 8/87, The: 70

Ibáñez Uargui, Carlos J.; Juste, Javier

13 July 2002: Morocco: Jorf El Roumi Nsebis cave: EBD: 1 [1 - **1** - **1**].

Total Specimens for Ibáñez Uargui, Carlos J.; Juste, Javier: 1

Ibáñez Uargui, Carlos J.; Juste, Javier; Garrido, J.A.; Quetglas, Juan

30 April 2000: Morocco: Kef Azigza cave: EBD: 1 [1 - **1** - **1**].

Total Specimens for Ibáñez Uargui, Carlos J.; Juste, Javier; Garrido, J.A.; Quetglas, Juan: 1

Ibáñez Uargui, Carlos J.; Juste, Javier; Quetglas, Juan

30 April 2000: Morocco: Kef Azigza cave: EBD: 15 [15 - **15** - **15**].
1 May 2000: Morocco: Kef Azigza cave: EBD: 2 [2 - **2** - **2**].

Total Specimens for Ibáñez Uargui, Carlos J.; Juste, Javier; Quetglas, Juan: 17

Ife University, The

12 June 1965: Nigeria: Ibadan: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Ife University, The: 2

Ifuta, Ndey B.

Collection Date Unknown: Congo (Democratic Republic of the): Masako: RMCA: 44 [44 - **44** - **44**].
1 October 1985: Congo (Democratic Republic of the): Kisangani: RMCA: 4 [4 - **4** - **4**].
1 April 1986: Congo (Democratic Republic of the): Kisangani: RMCA: 2 [2 - **2** - **2**].
22 May 1986: Congo (Democratic Republic of the): Kisangani: RMCA: 1 [1] - Masako: RMCA: 5 [5 - **6** - **6**].
24 November 1987: Congo (Democratic Republic of the): Masako: RMCA: 22 [22 - **22** - **22**].
25 November 1987: Congo (Democratic Republic of the): Masako: RMCA: 9 [9 - **9** - **9**].
26 November 1987: Congo (Democratic Republic of the): Masako: RMCA: 12 [12 - **12** - **12**].
27 November 1987: Congo (Democratic Republic of the): Masako: RMCA: 10 [10 - **10** - **10**].
28 November 1987: Congo (Democratic Republic of the): Masako: RMCA: 10 [10 - **10** - **10**].
29 November 1987: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].

30 November 1987: Congo (Democratic Republic of the): Masako: RMCA: 17 [17 - **17** - **17**].
16 December 1987: Congo (Democratic Republic of the): Masako: RMCA: 15 [15 - **15** - **15**].
17 December 1987: Congo (Democratic Republic of the): Masako: RMCA: 11 [11 - **11** - **11**].
18 December 1987: Congo (Democratic Republic of the): Masako: RMCA: 12 [12 - **12** - **12**].
19 December 1987: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
20 December 1987: Congo (Democratic Republic of the): Masako: RMCA: 10 [10 - **10** - **10**].
21 December 1987: Congo (Democratic Republic of the): Masako: RMCA: 9 [9 - **9** - **9**].
22 December 1987: Congo (Democratic Republic of the): Masako: RMCA: 10 [10 - **10** - **10**].
13 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].
15 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
20 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 14 [14 - **14** - **14**].
21 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 4 [4 - **4** - **4**].
22 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 5 [5 - **5** - **5**].
23 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
24 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 4 [4 - **4** - **4**].
25 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 5 [5 - **5** - **5**].
26 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
27 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
30 January 1988: Congo (Democratic Republic of the): Masako: RMCA: 7 [7 - **7** - **7**].
21 February 1988: Congo (Democratic Republic of the): Masako: RMCA: 15 [15 - **15** - **15**].
23 March 1988: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
22 April 1988: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
28 June 1988: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
26 August 1988: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].
14 September 1988: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].
15 September 1988: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
30 April 1989: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].
1 May 1989: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
22 May 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
23 May 1989: Congo (Democratic Republic of the): Masako: RMCA: 5 [5 - **5** - **5**].
24 May 1989: Congo (Democratic Republic of the): Masako: RMCA: 5 [5 - **5** - **5**].
25 May 1989: Congo (Democratic Republic of the): Masako: RMCA: 4 [4 - **4** - **4**].
11 June 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
16 July 1989: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].
11 August 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
25 August 1989: Congo (Democratic Republic of the): Masako: RMCA: 4 [4 - **4** - **4**].
26 August 1989: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].
27 August 1989: Congo (Democratic Republic of the): Masako: RMCA: 7 [7 - **7** - **7**].
28 August 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
29 August 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
30 August 1989: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
14 September 1989: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
16 September 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
18 September 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
1 October 1989: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
21 November 1989: Congo (Democratic Republic of the): Masako: RMCA: 7 [7 - **7** - **7**].
24 November 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
28 November 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
12 December 1989: Congo (Democratic Republic of the): Masako: RMCA: 4 [4 - **4** - **4**].
17 December 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
19 December 1989: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
22 December 1989: Congo (Democratic Republic of the): Masako: RMCA: 5 [5 - **5** - **5**].
28 December 1989: Congo (Democratic Republic of the): Masako: RMCA: 6 [6 - **6** - **6**].
7 January 1990: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
21 January 1990: Congo (Democratic Republic of the): Masako: RMCA: 8 [8 - **8** - **8**].
24 January 1990: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
25 January 1990: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
26 January 1990: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
27 January 1990: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
28 January 1990: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].
29 January 1990: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
10 February 1990: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
13 February 1990: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
14 February 1990: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
16 February 1990: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].
17 February 1990: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
27 February 1990: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
28 February 1990: Congo (Democratic Republic of the): Masako: RMCA: 4 [4 - **4** - **4**].
17 March 1990: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].
22 March 1990: Congo (Democratic Republic of the): Masako: RMCA: 3 [3 - **3** - **3**].
23 March 1990: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
25 March 1990: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].
29 April 1990: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
27 October 1990: Congo (Democratic Republic of the): Masako: RMCA: 1 [1 - **1** - **1**].
30 October 1990: Congo (Democratic Republic of the): Masako: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Ifuta, Ndey B.: 406

Ignesti, Ugo

1 October 1937: Eritrea: Asmara: MZUF: 1 [1 - **1** - **1**].

Total Specimens for Ignesti, Ugo: 1

Imperial Ethiopian Lightway Authority, The

Collection Date Unknown: Ethiopia: Vicinity of Addis Ababa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Imperial Ethiopian Lightway Authority, The: 1

Imray

13 October 1961: Malawi: Mandala: NMMB: 1 [1 - **1** - **1**].

Total Specimens for Imray: 1

Ingersol, R.H.

Collection Date Unknown: Ethiopia: Dire Dawa, 3 km S: OSU: 3 [3 - **3** - **3**].
8 July 1962: Ethiopia: Jigiga Road, 16 km S: MVZ: 1 [1 - **1** - **1**].
21 July 1962: Ethiopia: Alemaya: MVZ: 1 [1 - **1** - **1**].
12 December 1962: Ethiopia: Jigiga Road bridge, 0.5 km E: MVZ: 1 [1 - **1** - **1**].
29 December 1962: Ethiopia: Errer valley: OSU: 1 [1 - **1** - **1**].
31 December 1962: Ethiopia: Errer valley: OSU: 3 [3 - **3** - **3**].
6 January 1964: Ethiopia: Jigiga Road bridge: MVZ: 1 [1 - **1** - **1**].
3 March 1968: Ghana: Pulima: USNM: 1 [1 - **1** - **1**].

Total Specimens for Ingersol, R.H.: 12

Ingle, W.J.E.

2 November 1970: Kenya: Kisii: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Ingle, W.J.E.: 1

Ingles, Jane M.

18 July 1962: Zambia: Chibembe pontoon, 1/2 mi S: BMNH: 1 [1 - **1** - **1**].
20 July 1962: Zambia: Chibembe pontoon, 1/2 mi S: BMNH: 3 [3 - **3** - **3**].
3 October 1965: Tanzania: Grummetti: BMNH: 1 [1 - **1** - **1**].
12 October 1965: Tanzania: Seronera: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Ingles, Jane M.: 6

Innes, Walter F.

1 January 1885: Egypt: Cairo, 20 km S: BMNH: 1 [1 - **1** - **1**].
15 March 1906: Egypt: Cairo, near: MSNG: 1 [1 - **1** - **1**].
5 May 1906: Egypt: Saqqara: MSNG: 1 [1 - **1** - **1**].
15 July 1906: Egypt: Cairo, near: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Innes, Walter F.: 4

Institut des Parcs nationaux du Congo belge, l'

1 June 1947: Congo (Democratic Republic of the): Pelenge, gorges: RBINS: 1 [1 - **1** - **1**].
14 July 1947: Congo (Democratic Republic of the): Kafwe: RBINS: 1 [1 - **1** - **1**].
28 July 1947: Congo (Democratic Republic of the): Mabwe: RBINS: 1 [1 - **1** - **1**].
21 August 1947: Congo (Democratic Republic of the): Mabwe: RBINS: 1 [1 - **1** - **1**].
26 November 1947: Congo (Democratic Republic of the): Kateke: RBINS: 1 [1 - **1** - **1**].
1 December 1947: Congo (Democratic Republic of the): Kateke: RBINS: 1 [1 - **1** - **1**].
12 January 1948: Congo (Democratic Republic of the): Kipangaribwe river: RBINS: 1 [1 - **1** - **1**].
18 June 1948: Congo (Democratic Republic of the): Munoi: RBINS: 1 [1 - **1** - **1**].
7 July 1948: Congo (Democratic Republic of the): Kiamokoto: RBINS: 1 [1 - **1** - **1**].
8 July 1948: Congo (Democratic Republic of the): Kiamokoto: RBINS: 1 [1 - **1** - **1**].
12 October 1948: Congo (Democratic Republic of the): Masombwe: RBINS: 1 [1 - **1** - **1**].
13 December 1948: Congo (Democratic Republic of the): Mabwe: RBINS: 1 [1 - **1** - **1**].
3 April 1949: Congo (Democratic Republic of the): Kabenge: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Institut des Parcs nationaux du Congo belge, l': 13

Institut für Tropenkrankheiten, Das

2 January 1907: "Africa": Tropical Africa: ZMH: 2 [2 - **2** - **2**].

Total Specimens for Institut für Tropenkrankheiten, Das: 2

Institut Pasteur Dakar, l'

Collection Date Unknown: "Africa": "Senegal or Mauritania": MNHN: 15 [15 - **15** - **15**].

Total Specimens for Institut Pasteur Dakar, l': 15

Institut Pasteur, l'

Collection Date Unknown: Central African Republic: Bangui: MNHN: 1 [1 - **1** - **1**].
1 January 1956: Morocco: Nafifik forest: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Institut Pasteur, l': 2

Institute of Tropical Medicine "Prince Leopold"

Collection Date Unknown: Congo (Democratic Republic of the): Boma: RMCA: 6 [6 - **6** - **6**].

Total Specimens for Institute of Tropical Medicine "Prince Leopold": 6

Ionides, Constantine J.P.
(22 September 1968; Nairobi)

Collection Date Unknown: Tanzania: Inwale: BMNH: 1 [1] - Karema: FMNH: 3 [3] - Likawage: BMNH: 1 [1] - Mwaya: BMNH: 1 [1] - Southern province: BMNH: 2 [2 - **8** - **8**].
11 September 1950: Tanzania: Songea: BMNH: 1 [1 - **1** - **1**].
11 December 1951: Tanzania: Liwale: HZM: 2 [2 - **2** - **2**].
1 February 1953: Tanzania: Liwale: BMNH: 1 [1 - **1** - **1**].
4 June 1953: Tanzania: Liwale: BMNH: 1 [1 - **1** - **1**].
9 July 1953: Tanzania: Noamania: BMNH: 1 [1] - Zinga: BMNH: 1 [1 - **2** - **2**].
13 July 1953: Tanzania: Southern province: BMNH: 2 [2] - Zinga: BMNH: 1 [1 - **3** - **3**].
5 November 1953: Tanzania: Mbarangandu: BMNH: 1 [1 - **1** - **1**].
19 December 1953: Tanzania: Tandamanga: BMNH: 3 [3 - **3** - **3**].
11 January 1954: Tanzania: Namumbulu: BMNH: 4 [4 - **4** - **4**].
13 January 1954: Tanzania: Likawage: BMNH: 6 [6 - **6** - **6**].
16 January 1954: Tanzania: Mangangachi: BMNH: 1 [1 - **1** - **1**].
20 January 1954: Tanzania: Songomano: BMNH: 1 [1 - **1** - **1**].
1 February 1954: Tanzania: Nakibou: BMNH: 1 [1 - **1** - **1**].
3 February 1954: Tanzania: Namithu Kilwa: BMNH: 1 [1 - **1** - **1**].
6 February 1954: Tanzania: Liwale: BMNH: 1 [1 - **1** - **1**].
10 April 1954: Tanzania: Liwale: SMF: 1 [1 - **1** - **1**].
13 May 1954: Tanzania: Liwale: BMNH: 2 [2 - **2** - **2**].
3 October 1955: Tanzania: Nanguale: BMNH: 3 [3 - **3** - **3**].
7 January 1956: Tanzania: Korogwe: FMNH: 1 [1 - **1** - **1**].
9 July 1956: Tanzania: Karema: FMNH: 1 [1 - **1** - **1**].
9 August 1956: Tanzania: Karema: FMNH: 2 [2 - **2** - **2**].
26 May 1957: Tanzania: Liwale: HZM: 1 [1 - **1** - **1**].
26 January 1958: Tanzania: Rondo Flat [Forest Reserve]: HZM: 1 [1 - **1** - **1**].
1 November 1958: Tanzania: Liwale: HZM: 1 [1 - **1** - **1**].
9 November 1958: Tanzania: Liwale: HZM: 1 [1 - **1** - **1**].
11 February 1959: Tanzania: Rondo Flat [Forest Reserve]: HZM: 2 [2 - **2** - **2**].
25 September 1959: Kenya: Kakamega: HZM: 1 [1 - **1** - **1**].
27 December 1959: Tanzania: Newala: HZM: 3 [3 - **3** - **3**].
12 November 1960: Tanzania: Newala: HZM: 2 [2 - **2** - **2**].
12 December 1960: Tanzania: Newala: HZM: 1 [1 - **1** - **1**].

Total Specimens for Ionides, Constantine J.P.: 60

Ionides,Constantine J.P.

3 July 1957: Tanzania: Nachingwea: WAM: 1 [1 - **1** - **1**].

Total Specimens for Ionides,Constantine J.P.: 1

Ipa; Shortridge, Guy Chester (Captain)

Collection Date Unknown: Namibia: Ombombo: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Ipa; Shortridge, Guy Chester (Captain): 1

Ipa; Uhlenhuth

Collection Date Unknown: Ethiopia: Dire Dawa: ZMB: 3 [3 - **3** - **3**].

Total Specimens for Ipa; Uhlenhuth: 3

Irvine, F.R.

Collection Date Unknown: Ghana: Accra: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Irvine, F.R.: 1

Irwin, Michael P. Stuart

19 March 1970: Zimbabwe: Unknown locality: HZM: 1, NHMZ: 5 [6] - Gleneagles: ZMA: 1 [1 - **7** - **7**].

Total Specimens for Irwin, Michael P. Stuart: 7

Irwin, Michael P. Stuart; *et al.*

19 March 1970: Zimbabwe: Gleneagles: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Irwin, Michael P. Stuart; *et al.*: 1

Irwin, R.J.

20 December 1968: Malawi: Nsanje: KU: 2 [2 - **2** - **2**].
21 December 1968: Malawi: Nsanje: KU: 1 [1 - **1** - **1**].
14 October 1969: Malawi: Nsanje: KU: 20 [20 - **20** - **20**].

Total Specimens for Irwin, R.J.: 23

Irwin, S.

19 March 1970: Zimbabwe: Gleneagles: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Irwin, S.: 1

Issel

Collection Date Unknown: Eritrea: Massaua: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Issel: 1

Issel, W.

22 April 1961: Tunisia: Al Huwwariyah cave: ROM: 1 [1] - El Huaria cave: AMNH: 1 [1] - Hoble: ROM: 1 [1 - **3** - **3**].

Total Specimens for Issel, W.: 3

Ithia, Julius M.K.

Collection Date Unknown: Kenya: Gedeh: LACM: 2 [2] - Lukore: LACM: 4 [4] - Mbero area: LACM: 2 [2] - Mkanda River: LACM: 5 [5] - Shimba Hills Settlement: LACM: 5 [5] - Shimoni cave: ROM: 1 [1 - **19** - **19**].
12 July 1968: Kenya: Mbero Rocks: LACM: 1 [1 - **1** - **1**].
13 July 1968: Kenya: Kalama, Mbero Rock: LACM: 1 [1] - Mbero Rock: LACM: 4 [4 - **5** - **5**].
17 August 1968: Kenya: Kalama: LACM: 1 [1] - Mbero Rock: LACM: 1 [1 - **2** - **2**].
13 September 1968: Kenya: Mbero Rock: LACM: 1 [1 - **1** - **1**].
15 September 1968: Kenya: Mbero Rock: LACM: 2 [2] - Mbero Rocks: LACM: 1 [1 - **3** - **3**].
3 August 1969: Kenya: Kyengole: LACM: 1 [1 - **1** - **1**].
15 September 1969: Kenya: Mbero Rock: LACM: 2 [2 - **2** - **2**].
15 November 1969: Kenya: Makueni Loc.: LACM: 1 [1 - **1** - **1**].
15 January 1970: Kenya: Mbero area: LACM: 7 [7 - **7** - **7**].
17 January 1970: Kenya: Mbero area: LACM: 11 [11 - **11** - **11**].
18 January 1970: Kenya: Mbero area: LACM: 5 [5 - **5** - **5**].
22 March 1970: Kenya: Kamuani: LACM: 1 [1 - **1** - **1**].
24 March 1970: Kenya: Kyanguli: LACM: 2 [2 - **2** - **2**].
18 May 1970: Kenya: Kyengole Rocks: LACM: 7 [7 - **7** - **7**].
20 May 1970: Kenya: Kyengole Rocks: LACM: 9 [9 - **9** - **9**].
21 May 1970: Kenya: Mbero Rocks: LACM: 6 [6 - **6** - **6**].
20 November 1970: Kenya: Pango La Mwana Moto: CUMV: 1 [1 - **1** - **1**].
27 November 1970: Kenya: Pango La Mwana Moto: CUMV: 1 [1 - **1** - **1**].
23 July 1972: Kenya: Kakamega Forest: LACM: 1 [1 - **1** - **1**].
17 May 1973: Kenya: Arabuko-Sokoke Forest: LACM: 1 [1 - **1** - **1**].

22 February 1974: Kenya: Lukore area: CUMV: 2 [2 - **2** - **2**].
24 February 1974: Kenya: Lukore area: CUMV: 1 [1 - **1** - **1**].
26 February 1974: Kenya: Lukore area: CUMV: 2 [2 - **2** - **2**].
27 February 1974: Kenya: Lukore area: CUMV: 1 [1 - **1** - **1**].
6 March 1974: Kenya: Kibuyuni area: CUMV: 2 [2 - **2** - **2**].
30 May 1974: Kenya: Kyamunyu: CUMV: 2 [2 - **2** - **2**].
3 August 1974: Kenya: Mbebo Hill: ROM: 7 [7 - **7** - **7**].
16 August 1974: Kenya: Nyaami: CUMV: 1 [1 - **1** - **1**].
26 October 1974: Kenya: Mukanda Stream: ROM: 1 [1 - **1** - **1**].
27 October 1974: Kenya: Mukanda Stream: ROM: 4 [4 - **4** - **4**].
28 October 1974: Kenya: Kakamega Forest: CUMV: 1 [1] - Mukanda Stream: ROM: 1 [1 - **2** - **2**].
3 November 1974: Kenya: Mukanda Stream: ROM: 2 [2 - **2** - **2**].
5 November 1974: Kenya: Kakamega Forest: CUMV: 1 [1] - Kyanguli area: CUMV: 1 [1 - **2** - **2**].
6 November 1974: Kenya: Kakamega Forest: CUMV: 1 [1 - **1** - **1**].
9 November 1974: Kenya: Lukore area: CUMV: 1 [1 - **1** - **1**].
2 January 1975: Kenya: Mukanda Stream: ROM: 3 [3] - Shimoni: ROM: 20 [20 - **23** - **23**].
3 January 1975: Kenya: Mukanda Stream: ROM: 34 [34 - **34** - **34**].
10 May 1975: Kenya: Konza area: CUMV: 1 [1 - **1** - **1**].
16 May 1975: Kenya: Kamuani: CUMV: 1 [1] - Kamuani Area: CUMV: 3 [3 - **4** - **4**].
12 June 1975: Kenya: Kamuani: CUMV: 1 [1] - Kamuani Area: CUMV: 1 [1 - **2** - **2**].
18 September 1975: Kenya: Kamuani Area: CUMV: 5 [5] - Kyanguli: CUMV: 1 [1 - **6** - **6**].
19 September 1975: Kenya: Kamuani: CUMV: 7 [7] - Kyanguli: CUMV: 1 [1 - **8** - **8**].
20 September 1975: Kenya: Kyanguli: CUMV: 1 [1 - **1** - **1**].
23 September 1975: Kenya: Kamuani: CUMV: 1 [1 - **1** - **1**].
18 December 1975: Kenya: Kichaka Simba: CUMV: 1 [1] - Kichakasimba: CUMV: 9 [9] - Mukanda river: CUMV: 3 [3] - Mukanda Stream: CUMV: 9 [9 - **22** - **22**].
19 December 1975: Kenya: Kichaka Simba: CUMV: 6 [6] - Kichakasimba: CUMV: 5 [5] - Mukanda river: CUMV: 3 [3] - Mukanda Stream: CUMV: 10 [10 - **24** - **24**].
20 December 1975: Kenya: Mukanda river: CUMV: 1 [1 - **1** - **1**].
7 March 1976: Kenya: Kyanguli: CUMV: 1 [1 - **1** - **1**].
17 April 1976: Kenya: Mbevo Hills: CUMV: 1 [1 - **1** - **1**].
4 May 1976: Kenya: Kamuuani: CUMV: 7 [7 - **7** - **7**].
5 May 1976: Kenya: Mbevo Hills: CUMV: 22 [22 - **22** - **22**].
8 May 1976: Kenya: Konza Farm: CUMV: 15 [15 - **15** - **15**].
23 July 1976: Kenya: Mukanda Stream: ROM: 19 [19 - **19** - **19**].
24 July 1976: Kenya: Lukore area: ROM: 1 [1] - Mukanda Stream: ROM: 14 [14 - **15** - **15**].
26 July 1976: Kenya: Mukanda one cave: ROM: 7 [7] - Mukanda Stream: ROM: 4 [4 - **11** - **11**].
27 July 1976: Kenya: Shimoni cave: ROM: 28 [28 - **28** - **28**].
28 July 1976: Kenya: Shimoni cave: ROM: 46 [46 - **46** - **46**].
29 July 1976: Kenya: Shimoni cave: ROM: 21 [21 - **21** - **21**].
30 July 1976: Kenya: Shimoni cave: ROM: 10 [10 - **10** - **10**].
31 July 1976: Kenya: Shimoni cave: ROM: 22 [22 - **22** - **22**].
16 August 1976: Kenya: Shimba Hills: CUMV: 3 [3 - **3** - **3**].
17 August 1976: Kenya: Shimba Hills: CUMV: 3 [3 - **3** - **3**].
18 August 1976: Kenya: Shimba Hills: CUMV: 1 [1 - **1** - **1**].
10 November 1976: Kenya: Kambu: ROM: 1 [1] - Konza Hill: ROM: 2 [2 - **3** - **3**].
11 November 1976: Kenya: Unknown locality: RMNH: 1 [1] - Mbebo Hill: ROM: 15 [15 - **16** - **16**].
12 November 1976: Kenya: Unknown locality: RMNH: 6 [6 - **6** - **6**].
10 January 1977: Kenya: Unknown locality: RMNH: 15 [15 - **15** - **15**].
17 January 1977: Kenya: Mbebo Hill: ROM: 5 [5 - **5** - **5**].
24 January 1977: Kenya: Kamuuani: ROM: 5 [5 - **5** - **5**].
2 February 1977: Kenya: Kamuuani: ROM: 1 [1 - **1** - **1**].
7 February 1977: Kenya: Konza Farm: ROM: 5 [5 - **5** - **5**].
14 May 1977: Kenya: Kamuuani: CUMV: 1 [1 - **1** - **1**].
27 May 1977: Kenya: Kamuuani: CUMV: 1 [1 - **1** - **1**].
10 September 1977: Kenya: Katuaa Market: CUMV: 15 [15 - **15** - **15**].
13 September 1977: Kenya: Kamuuani: CUMV: 3 [3 - **3** - **3**].
14 September 1977: Kenya: Kamuuani: CUMV: 1 [1 - **1** - **1**].
26 November 1977: Kenya: Unknown locality: RMNH: 5 [5 - **5** - **5**].
19 December 1977: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
18 February 1978: Kenya: Mbevo Hills: CUMV: 7 [7 - **7** - **7**].
21 April 1978: Kenya: Unknown locality: RMNH: 10 [10 - **10** - **10**].
22 April 1978: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
24 April 1978: Kenya: Unknown locality: RMNH: 20 [20 - **20** - **20**].
25 April 1978: Kenya: Unknown locality: RMNH: 24 [24 - **24** - **24**].
26 April 1978: Kenya: Katuaa Market: CUMV: 14 [14 - **14** - **14**].
18 June 1978: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
21 June 1978: Kenya: Muumandu: CUMV: 1 [1 - **1** - **1**].
6 February 1979: Kenya: Unknown locality: RMNH: 9 [9 - **9** - **9**].
7 February 1979: Kenya: Unknown locality: RMNH: 10 [10 - **10** - **10**].
8 February 1979: Kenya: Unknown locality: RMNH: 7 [7 - **7** - **7**].
9 February 1979: Kenya: Unknown locality: RMNH: 14 [14 - **14** - **14**].
6 September 1979: Kenya: Mbeva Hill: LACM: 18 [18] - Mbeyo Hill, near machakos: LACM: 7 [7 - **25** - **25**].
27 October 1979: Kenya: Muumandu: CUMV: 1 [1 - **1** - **1**].
29 December 1979: Kenya: Kamuuani: CUMV: 1 [1 - **1** - **1**].
6 January 1980: Kenya: Mbevo Hills: CUMV: 8 [8 - **8** - **8**].

7 January 1980: Kenya: Mbevo Hills: CUMV: 13 [13 - **13** - **13**].
16 February 1980: Kenya: Konza Farm: CUMV: 1 [1 - **1** - **1**].
5 April 1980: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
11 April 1980: Kenya: Unknown locality: RMNH: 1 [1] - Muumandu: RMNH: 1 [1 - **2** - **2**].
17 May 1980: Kenya: Unknown locality: RMNH: 21 [21 - **21** - **21**].
18 May 1980: Kenya: Unknown locality: RMNH: 16 [16 - **16** - **16**].
19 May 1980: Kenya: Unknown locality: RMNH: 20 [20 - **20** - **20**].
12 July 1982: Kenya: Mbevo Hills: LACM: 12 [12 - **12** - **12**].
17 July 1982: Kenya: Ndauni area: LACM: 2 [2 - **2** - **2**].
18 July 1982: Kenya: Ndauni area: LACM: 1 [1 - **1** - **1**].
12 November 1982: Kenya: Ianzoni: ROM: 1 [1 - **1** - **1**].
11 January 1983: Kenya: Konza Farm: ROM: 19 [19 - **19** - **19**].
12 January 1983: Kenya: Kamuuani: ROM: 5 [5 - **5** - **5**].
13 January 1983: Kenya: Konza Farm: ROM: 6 [6 - **6** - **6**].
14 January 1983: Kenya: Konza Farm: ROM: 7 [7 - **7** - **7**].
5 February 1983: Kenya: Kamuuani: ROM: 1 [1] - Kyanguli: ROM: 3 [3 - **4** - **4**].
6 February 1983: Kenya: Kyanguli: ROM: 1 [1] - Mbebo Hill: ROM: 2 [2] - Mbevo Hills: ROM: 9 [9 - **12** - **12**].
11 February 1983: Kenya: Kamuuani: ROM: 1 [1 - **1** - **1**].
26 March 1984: Kenya: Muumandu: ROM: 12 [12 - **12** - **12**].
27 March 1984: Kenya: Muumandu: ROM: 3 [3 - **3** - **3**].
12 April 1984: Kenya: Muumandu: ROM: 15 [15 - **15** - **15**].
16 April 1984: Kenya: Muumandu Hill: ROM: 1 [1 - **1** - **1**].
17 April 1984: Kenya: Muumandu Hill: ROM: 5 [5 - **5** - **5**].
18 April 1984: Kenya: Muumandu Hill: ROM: 2 [2 - **2** - **2**].
22 June 1984: Kenya: Muumandu Market: ROM: 1 [1 - **1** - **1**].
21 August 1984: Kenya: Muumandu Market: ROM: 6 [6 - **6** - **6**].
23 August 1984: Kenya: Muumandu: ROM: 2 [2 - **2** - **2**].
24 August 1984: Kenya: Muumandu: ROM: 1 [1 - **1** - **1**].
25 August 1984: Kenya: Muumandu: ROM: 3 [3 - **3** - **3**].
13 October 1984: Kenya: Muumandu Hill: ROM: 6 [6 - **6** - **6**].
15 November 1984: Kenya: Mbevo Hills: ROM: 16 [16 - **16** - **16**].
31 December 1984: Kenya: Makindu: ROM: 31 [31 - **31** - **31**].
12 February 1985: Kenya: Makindu: CUMV: 7 [7 - **7** - **7**].
13 February 1985: Kenya: Makindu: CUMV: 2 [2 - **2** - **2**].
18 March 1985: Kenya: Makindu: CUMV: 10 [10 - **10** - **10**].
19 March 1985: Kenya: Makindu: CUMV: 8 [8 - **8** - **8**].
20 March 1985: Kenya: Makindu: CUMV: 10 [10 - **10** - **10**].
10 June 1985: Kenya: Kibwezi: ROM: 41 [41 - **41** - **41**].
11 June 1985: Kenya: Kibwezi: ROM: 36 [36 - **36** - **36**].
6 August 1985: Kenya: Muumandu: HZM: 1 [1 - **1** - **1**].
16 August 1985: Kenya: Kamuuani: HZM: 1 [1 - **1** - **1**].
7 February 1986: Kenya: Kamuuani: HZM: 1 [1 - **1** - **1**].
1 January 1991: Kenya: Kamuuani: ROM: 1 [1] - Mbevo Hills: ROM: 1 [1 - **2** - **2**].
3 April 1991: Kenya: Kamuuani: ROM: 2 [2 - **2** - **2**].
4 April 1991: Kenya: Kamuuani: ROM: 8 [8 - **8** - **8**].
5 April 1991: Kenya: Kyamunyuu: ROM: 1 [1 - **1** - **1**].
6 April 1991: Kenya: Kalonduni: ROM: 6 [6] - Kamuuani: ROM: 4 [4] - Kyamunyuu: ROM: 10 [10 - **20** - **20**].
20 April 1991: Kenya: Kamuuani: ROM: 1 [1 - **1** - **1**].
25 April 1991: Kenya: Kamuuani: ROM: 1 [1 - **1** - **1**].
30 May 1991: Kenya: Kamuuani: ROM: 6 [6 - **6** - **6**].
1 June 1991: Kenya: Kyamunyuu: ROM: 6 [6] - Kyanguli: ROM: 5 [5 - **11** - **11**].
2 June 1991: Kenya: Kamuuani: ROM: 1 [1] - Kyamunyuu: ROM: 1 [1] - Muumandu: ROM: 3 [3 - **5** - **5**].
30 June 1991: Kenya: Kyanguli: ROM: 10 [10 - **10** - **10**].
1 July 1991: Kenya: Kalonduni: ROM: 3 [3 - **3** - **3**].
2 July 1991: Kenya: Kalonduni: ROM: 1 [1 - **1** - **1**].
8 August 1991: Kenya: Aiuumandu Hills: ROM: 1 [1 - **1** - **1**].
19 September 1991: Kenya: Kyanguli: ROM: 3 [3 - **3** - **3**].
19 October 1991: Kenya: Mbevo Hills: ROM: 7 [7 - **7** - **7**].
20 October 1991: Kenya: Mbevo Hills: ROM: 6 [6 - **6** - **6**].
21 October 1991: Kenya: Mbevo Hills: ROM: 4 [4 - **4** - **4**].
10 November 1991: Kenya: Mbevo Hills: ROM: 5 [5] - Muumandu: ROM: 1 [1 - **6** - **6**].
20 November 1991: Kenya: Muumandu Market: ROM: 1 [1 - **1** - **1**].
21 November 1991: Kenya: Kyanguli: ROM: 1 [1 - **1** - **1**].
12 December 1991: Kenya: Kalanzoni: ROM: 9 [9 - **9** - **9**].
13 December 1991: Kenya: Kalanzoni: ROM: 11 [11 - **11** - **11**].
16 December 1991: Kenya: Kamuuani: ROM: 3 [3] - Konza Farm: ROM: 19 [19] - Muumandu Market: ROM: 21 [21 - **43** - **43**].
17 December 1991: Kenya: Eastern [former] province: ROM: 1 [1] - Muumandu Market: ROM: 8 [8 - **9** - **9**].
20 December 1991: Kenya: Muumandu Market: ROM: 10 [10 - **10** - **10**].
14 September 1999: Kenya: Mbero Rock: LACM: 1 [1 - **1** - **1**].

Total Specimens for Ithia, Julius M.K.: 1254

Jabbal, I.

5 September 1966: Kenya: Tsavo East-NP, Mudanda Rock Crevices: ROM: 1 [1 - **1** - **1**].

Total Specimens for Jabbal, I.: 1

Jachmann, Hugo

8 January 1982: Malawi: Lifupa Camp: ZMA: 2 [2 - **2** - **2**].
9 January 1982: Malawi: Lifupa Camp: ZMA: 1 [1 - **1** - **1**].
19 January 1982: Malawi: Lifupa Camp: ZMA: 1 [1 - **1** - **1**].
20 January 1982: Malawi: Lifupa Camp: ZMA: 1 [1 - **1** - **1**].
22 January 1982: Malawi: Lifupa Camp: ZMA: 1 [1 - **1** - **1**].
24 January 1982: Malawi: Administration Camp: ZMA: 4 [4 - **4** - **4**].
25 January 1982: Malawi: Administration Camp: ZMA: 2 [2 - **2** - **2**].
29 January 1982: Malawi: Administration Camp: ZMA: 1 [1 - **1** - **1**].
20 February 1982: Malawi: Lingadzi River Valley: ZMA: 1 [1 - **1** - **1**].
21 February 1982: Malawi: Lisanthu, 15 mi [=24 km] NE: ZMA: 1 [1 - **1** - **1**].
22 February 1982: Malawi: Lisanthu, 15 mi [=24 km] NE: ZMA: 1 [1 - **1** - **1**].
4 March 1982: Malawi: Vitanda: ZMA: 1 [1 - **1** - **1**].
6 March 1982: Malawi: Lisanthu: ZMA: 2 [2 - **2** - **2**].
7 March 1982: Malawi: Lisanthu: ZMA: 1 [1 - **1** - **1**].
8 March 1982: Malawi: Lisanthu: ZMA: 1 [1 - **1** - **1**].
9 March 1982: Malawi: Lisanthu: ZMA: 1 [1 - **1** - **1**].
10 March 1982: Malawi: Lisanthu: ZMA: 1 [1 - **1** - **1**].
13 March 1982: Malawi: Lisanthu: ZMA: 2 [2 - **2** - **2**].
19 March 1982: Malawi: Lisanthu: ZMA: 2 [2 - **2** - **2**].
20 March 1982: Malawi: Lisanthu: ZMA: 1 [1 - **1** - **1**].
11 October 1983: Malawi: Mwabvi Rest Camp: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Jachmann, Hugo: 29

Jackson, F.J.

Collection Date Unknown: Kenya: Turkwell Gorge: BMNH: 1 [1 - **1**].
Uganda: Entebbe: BMNH: 1 [1 - **1** - **2**].
5 April 1893: Uganda: Entebbe: BMNH: 1 [1 - **1** - **1**].
10 December 1897: Uganda: Mengo: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Jackson, F.J.: 4

Jacobs

26 June 1959: Congo (Democratic Republic of the): Gemena: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Jacobs: 1

Jacobs, David S.

24 April 2006: South Africa: Sugarloaf Camp Site: TM: 1 [1 - **1** - **1**].

Total Specimens for Jacobs, David S.: 1

Jacobs, M.

25 January 1988: South Africa: Umhlanga Rocks: TM: 1 [1 - **1** - **1**].

Total Specimens for Jacobs, M.: 1

Jacobs, Sgts.

20 July 2001: South Africa: Komatipoort: TM: 3 [3 - **3** - **3**].

Total Specimens for Jacobs, Sgts.: 3

Jacobsen, N.J.

27 July 1973: South Africa: The Downs: TM: 1 [1 - **1** - **1**].
28 July 1973: South Africa: The Downs: TM: 1 [1 - **1** - **1**].
1 June 1975: South Africa: The Downs: TM: 1 [1 - **1** - **1**].
25 June 1975: South Africa: Nylsvlei Nature Reserve: TM: 1 [1 - **1** - **1**].
16 June 1977: South Africa: Farm Modderfontein, Howel Davies Caves: TM: 3 [3 - **3** - **3**].
18 April 1978: South Africa: Brits: TM: 1 [1 - **1** - **1**].

26 February 1985: South Africa: Pilanesburg Nature Reserve, Old mine audit: TM: 1 [1 - **1** - **1**].

Total Specimens for Jacobsen, N.J.: 9

James, D.K.

Collection Date Unknown: Algeria: Pool: BMNH: 1 [1 - **1** - **1**].
27 February 1979: Algeria: Pool: BMNH: 3 [3 - **3** - **3**].
26 May 1984: South Africa: Taung: ZMA: 2 [2 - **2** - **2**].
27 May 1984: South Africa: Taung: ZMA: 4 [4 - **4** - **4**].
10 April 1985: South Africa: Taung: ZMA: 3 [3 - **3** - **3**].
13 April 1985: South Africa: Buxton Mine: ZMA: 1 [1] - Norlim mine [=Buxton mine]: ZMA: 3 [3 - **4** - **4**].
19 April 1985: South Africa: Taung: ZMA: 3 [3 - **3** - **3**].
23 April 1985: South Africa: Taung: ZMA: 1 [1 - **1** - **1**].
6 May 1985: South Africa: Taung: ZMA: 1 [1 - **1** - **1**].
10 May 1985: South Africa: Buxton Mine: ZMA: 1 [1] - Norlim mine [=Buxton mine]: ZMA: 11 [11 - **12** - **12**].
23 May 1985: South Africa: Taung: ZMA: 1 [1 - **1** - **1**].
5 July 1985: South Africa: Thomeng: ZMA: 1 [1 - **1** - **1**].

Total Specimens for James, D.K.: 36

James, M.C.

9 July 1921: South Africa: Zwolls Estate: AMNH: 1 [1 - **1** - **1**].

Total Specimens for James, M.C.: 1

Jameson

22 October 1907: South Africa: Tzaneen Estates: TM: 1 [1 - **1** - **1**].

Total Specimens for Jameson: 1

Jameson, E.

Collection Date Unknown: South Africa: Potchefstroom: BMNH: 1 [1] - Soutpansberg: BMNH: 2 [2 - **3** - **3**].

Total Specimens for Jameson, E.: 3

Jameson, Henry Paul William Lyster
(1875: Pontypass - 22 February 1922: West Mersea)

Collection Date Unknown: South Africa: Malvern: TM: 5 [5 - **5** - **5**].
12 December 1902: South Africa: Gat Koppies: TM: 1 [1 - **1** - **1**].
21 April 1906: South Africa: Potchefstroom: TM: 1 [1 - **1** - **1**].
21 September 1906: South Africa: Farm Wonderfontein 103IQ: TM: 2 [2] - Potchefstroom: TM: 2 [2 - **4** - **4**].
23 September 1906: South Africa: Farm Wonderfontein 103IQ: TM: 2 [2 - **2** - **2**].
26 September 1906: South Africa: Potchefstroom: TM: 1 [1 - **1** - **1**].
27 September 1906: South Africa: Chilanga cave: USNM: 1 [1] - Farm Wonderfontein, River cave: TM: 7 [7 - **8** - **8**].
28 September 1906: South Africa: Potchefstroom: TM: 1 [1 - **1** - **1**].
30 September 1906: South Africa: Wonderboom cave: USNM: 2 [2 - **2** - **2**].
12 October 1906: South Africa: Krugersdorp: TM: 1 [1 - **1** - **1**].
13 October 1906: South Africa: OFD workings: TM: 1 [1 - **1** - **1**].
19 October 1906: South Africa: Johannesburg: TM: 1 [1 - **1** - **1**].
24 October 1906: South Africa: Johannesburg: TM: 1 [1 - **1** - **1**].
10 March 1907: South Africa: Fountains: TM: 2 [2] - Fountains Grove: TM: 1 [1 - **3** - **3**].
14 March 1907: South Africa: Fountains: TM: 1 [1 - **1** - **1**].
22 April 1907: South Africa: Farm Wonderfontein: TM: 1 [1 - **1** - **1**].
26 April 1907: South Africa: Chilanga cave: USNM: 2 [2] - Farm Wonderfontein: TM: 2 [2] - Farm Wonderfontein 103IQ: TM: 3 [3] - Farm Wonderfontein, River cave: TM: 5 [5 - **12** - **12**].
17 July 1907: South Africa: Tzaneen: TM: 1 [1 - **1** - **1**].
12 August 1907: South Africa: Potchefstroom: TM: 9 [9 - **9** - **9**].
20 August 1907: South Africa: Potchefstroom: TM: 2, USNM: 1 [3 - **3** - **3**].
22 August 1907: South Africa: Potchefstroom: TM: 2 [2 - **2** - **2**].
25 October 1907: South Africa: Florida: TM: 3 [3 - **3** - **3**].
9 November 1907: South Africa: Farm Makapansgat 39, Makapan cave: TM: 2 [2 - **2** - **2**].
12 December 1907: South Africa: Chilanga cave: USNM: 1 [1 - **1** - **1**].
14 December 1907: South Africa: Chilanga cave: USNM: 1 [1] - Gatkoppies: TM: 6 [6 - **7** - **7**].
1 January 1908: South Africa: Malvern: USNM: 2 [2 - **2** - **2**].
2 January 1908: South Africa: Tzaneen Governamental Estate: TM: 1 [1 - **1** - **1**].
10 January 1908: South Africa: Malvern: TM: 1 [1 - **1** - **1**].
11 January 1908: South Africa: Malvern: TM: 1 [1 - **1** - **1**].

Total Specimens for Jameson, Henry Paul William Lyster: 79

Janesch

Collection Date Unknown: Tanzania: Tendaguru [=Tendaguro]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Janesch: 1

Jans, E.

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 6 [6] - Bokoro: RMCA: 4 [4] - Makaw: RMCA: 4 [4 - **14** - **14**].
1 January 1931: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1 - **1** - **1**].
1 January 1952: Congo (Democratic Republic of the): Bokoro: RMCA: 1 [1 - **1** - **1**].
4 July 1958: Congo (Democratic Republic of the): Unknown locality: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Jans, E.: 18

Janssens

30 May 1939: Congo (Democratic Republic of the): Mongbwalu: RMCA: 2 [2 - **2** - **2**].
7 June 1939: Congo (Democratic Republic of the): Mongbwalu: RMCA: 1 [1 - **1** - **1**].
14 August 1939: Congo (Democratic Republic of the): Mongbwalu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Janssens: 4

Japp, M.

Collection Date Unknown: Zambia: Kalabo: BMNH: 1, NHMZ: 1 [2 - **2** - **2**].
4 May 1965: Zambia: Kalabo: BMNH: 2 [2 - **2** - **2**].
16 September 1966: Zambia: Kalabo: BMNH: 1 [1] - Wenela: BMNH: 2 [2 - **3** - **3**].
14 December 1966: Zambia: Wenela: BMNH: 1 [1 - **1** - **1**].
18 September 1967: Zambia: Wenela: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Japp, M.: 10

Jaubert

21 October 1970: South Africa: Pongola, 9 Jan Kemlaan: TM: 1 [1 - **1** - **1**].

Total Specimens for Jaubert: 1

Jawsens

26 April 1907: South Africa: Farm Wonderfontein: TM: 1 [1 - **1** - **1**].

Total Specimens for Jawsens: 1

Jeffrey, Sonia M.

Collection Date Unknown: Ghana: Pampramase: BMNH: 1 [1 - **1** - **1**].
25 May 1971: Ghana: Pampramase: BMNH: 1 [1 - **1** - **1**].
1 February 1972: Ghana: Asenparage garden: RMCA: 2 [2 - **2** - **2**].
3 February 1972: Ghana: Sefwi Asenparage: RMCA: 1 [1 - **1** - **1**].
4 February 1972: Ghana: Sefwi Asenparage: RMCA: 1 [1 - **1** - **1**].
18 October 1972: Ghana: Sefwi Asenparage: RMCA: 2 [2 - **2** - **2**].
31 October 1972: Ghana: Asenparage garden: RMCA: 1 [1 - **1** - **1**].
10 November 1972: Ghana: Asenparage garden: RMCA: 1 [1 - **1** - **1**].
22 January 1973: Ghana: Sefwi Mafra: BMNH: 4 [4 - **4** - **4**].

Total Specimens for Jeffrey, Sonia M.: 14

Jenkins, Richard K.B.

Collection Date Unknown: Madagascar: Analamangabe: UADBA: 2 [2] - Anjohimbovonomby: UADBA: 1 [1] - PK 9 and PK 10, between: FMNH: 1, UADBA: 1 [2 - **5** - **5**].
25 August 2002: Madagascar: Amboasary: UADBA: 1 [1 - **1** - **1**].

Total Specimens for Jenkins, Richard K.B.: 6

Jenkins, Richard K.B.; Ratrimomanarivo, Fania H.

27 July 2003: Madagascar: Bekopake, 1.8 km SE and 0.6 km NE Andadoany: UADBA: 1 [1 - **1** - **1**].

Total Specimens for Jenkins, Richard K.B.; Ratrimomanarivo, Fania H.: 1

Jennings, M.C.

5 March 1982: Egypt: Ataka Mountains: HZM: 1 [1 - **1** - **1**].

Total Specimens for Jennings, M.C.: 1

Jennings, N.

14 January 1982: Egypt: Suez: LACM: 1 [1 - **1** - **1**].

Total Specimens for Jennings, N.: 1

Jeppe, Carl

1 October 1918: South Africa: Farm Waterval: TM: 1 [1 - **1** - **1**].

Total Specimens for Jeppe, Carl: 1

Jobaert, A.J.

Collection Date Unknown: Congo (Democratic Republic of the): Lula: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Jobaert, A.J.: 3

Jocque

12 January 1978: Malawi: Chintheche: RMCA: 2 [2 - **2** - **2**].
24 January 1978: Malawi: Chintheche: RMCA: 1 [1 - **1** - **1**].
22 February 1978: Malawi: Chintheche: RMCA: 1 [1 - **1** - **1**].
6 August 1998: Côte d'Ivoire: Unknown locality: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Jocque: 5

Johnson

Collection Date Unknown: Liberia: Unknown locality: RMCA: 1 [1 - **1** - **1**].
10 February 1970: Liberia: Belle Yella: RMCA: 3 [3 - **3** - **3**].
1 May 1970: Liberia: Baloma: RMCA: 1 [1] - Zorzor: RMCA: 1 [1 - **2** - **2**].
16 September 1970: Liberia: Suehn: RMCA: 3 [3 - **3** - **3**].
10 October 1970: Liberia: Mano river: RMCA: 3 [3 - **3** - **3**].
21 January 1971: Liberia: Zomai: RMCA: 5 [5 - **5** - **5**].
22 January 1971: Liberia: Zomai: RMCA: 3 [3 - **3** - **3**].
23 January 1971: Liberia: Zomai: RMCA: 1 [1 - **1** - **1**].
24 January 1971: Liberia: Zomai: RMCA: 1 [1 - **1** - **1**].
25 January 1971: Liberia: Zomai: RMCA: 1 [1 - **1** - **1**].
29 January 1971: Liberia: Kpawolozu: RMCA: 1 [1 - **1** - **1**].
11 August 1972: Liberia: Sinoe county: RMCA: 2 [2 - **2** - **2**].
19 May 1973: Liberia: Degie: RMCA: 1 [1 - **1** - **1**].
9 January 1974: Liberia: Mano river: RMCA: 1 [1 - **1** - **1**].
22 March 1978: Liberia: Sinoe county: RMCA: 1 [1 - **1** - **1**].
18 May 1980: Liberia: Paul Town: RMCA: 2 [2 - **2** - **2**].
20 May 1980: Liberia: Paul Town: RMCA: 2 [2 - **2** - **2**].
3 June 1980: Liberia: Suehn: RMCA: 1 [1 - **1** - **1**].
4 June 1980: Liberia: Paul Town: RMCA: 1 [1 - **1** - **1**].
15 June 1980: Liberia: Gomutown: RMCA: 1 [1 - **1** - **1**].
22 July 1980: Liberia: Bopolu: RMCA: 3 [3 - **3** - **3**].
23 July 1980: Liberia: Gbarnqay: RMCA: 2 [2 - **2** - **2**].
24 July 1980: Liberia: Bopolu: RMCA: 3 [3 - **3** - **3**].
26 July 1980: Liberia: Bopolu: RMCA: 2 [2 - **2** - **2**].
27 July 1980: Liberia: Gbarnqay: RMCA: 1 [1 - **1** - **1**].
29 July 1980: Liberia: Bopolu: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Johnson: 49

Johnson, E.D.W.

Collection Date Unknown: Algeria: Béni Abbès: BMNH: 1 [1 - **1**].
Morocco: Figuig: BMNH: 10 [10 - **10** - **11**].

Total Specimens for Johnson, E.D.W.: 11

Johnson, P.

26 January 1979: Somalia: Mareri: CAS: 1 [1 - **1** - **1**].

Total Specimens for Johnson, P.: 1

Johnson, S.E.

20 April 1936: Cameroon: Yaoude, due S: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Johnson, S.E.: 1

Johnston, H.B.

6 October 1926: Sudan: Aroma Madart, 13 mi [= 21 km] SSE: USNM: 1 [1] - Kassala: FMNH: 1 [1 - **2** - **2**].

Total Specimens for Johnston, H.B.: 2

Johnston, Harry H.

Collection Date Unknown: Malawi: Likablila Mission: BMNH: 1 [1] - Somba: HNHM: 1 [1] - Zomba: BMNH: 1 [1] - Zomba town: BMNH: 1 [1 - **4**].
Sierra Leone: Freetown: BMNH: 1 [1 - **1**].
Uganda: Point Alice: BMNH: 1 [1 - **1** - **6**].
10 December 1891: Malawi: Zomba Plateau: BMNH: 1 [1 - **1** - **1**].
1 February 1892: Malawi: Zomba town: BMNH: 1 [1 - **1** - **1**].
19 October 1900: Kenya: Lake Naivasha: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Johnston, Harry H.: 9

Johnston, W.E.

29 April 1913: Cameroon: Elat: CM: 1 [1 - **1** - **1**].

Total Specimens for Johnston, W.E.: 1

Jolly, Clifford J.

26 November 1965: Uganda: Mabira Forest: ROM: 1 [1 - **1** - **1**].
4 December 1965: Uganda: Namulonge: ROM: 12 [12 - **12** - **12**].
30 January 1966: Uganda: Namagunga, Buganda: ROM: 22 [22 - **22** - **22**].
24 February 1966: Uganda: Arua: ROM: 6 [6 - **6** - **6**].
4 March 1966: Uganda: Katalemura: ROM: 1 [1 - **1** - **1**].
7 March 1966: Uganda: Namagunga, Buganda: ROM: 1 [1 - **1** - **1**].
10 March 1966: Uganda: Katalemura: ROM: 1 [1] - Namagunga, Buganda: ROM: 1 [1 - **2** - **2**].
16 March 1966: Uganda: Namulonge: ROM: 1 [1 - **1** - **1**].
18 March 1966: Uganda: Katalemura: ROM: 1 [1] - Katalemwa: ROM: 3 [3 - **4** - **4**].
15 May 1966: Uganda: Katalemwa: ROM: 1 [1 - **1** - **1**].
16 May 1966: Uganda: Katalemwa: ROM: 3 [3 - **3** - **3**].
17 May 1966: Uganda: Katalemwa: ROM: 1 [1 - **1** - **1**].
18 May 1966: Uganda: Katalemwa: ROM: 2 [2 - **2** - **2**].
19 May 1966: Uganda: Katalemwa: ROM: 6 [6 - **6** - **6**].
6 June 1966: Uganda: Katalemwa: ROM: 3 [3 - **3** - **3**].
10 June 1966: Uganda: Kampala: ROM: 4 [4 - **4** - **4**].
12 June 1966: Uganda: Katalemwa: ROM: 2 [2 - **2** - **2**].
18 July 1966: Uganda: Katalemwa: ROM: 1 [1 - **1** - **1**].
5 August 1966: Uganda: Bunyoro: ROM: 1 [1 - **1** - **1**].
7 August 1966: Uganda: Budongo Forest: ROM: 2 [2] - Bunyoro: ROM: 1 [1 - **3** - **3**].
12 September 1966: Uganda: Kabei cave: ROM: 14 [14 - **14** - **14**].
13 September 1966: Uganda: Katalemwa: ROM: 1 [1 - **1** - **1**].
16 September 1966: Uganda: Katalemwa: ROM: 1 [1 - **1** - **1**].
24 September 1966: Uganda: Katalemwa: ROM: 1 [1 - **1** - **1**].

Total Specimens for Jolly, Clifford J.: 94

Jonathan, J.

27 April 1970: Tanzania: Nkome: ROM: 15 [15 - **15** - **15**].
29 April 1970: Tanzania: Isamico: ROM: 5 [5 - **5** - **5**].
16 May 1970: Tanzania: Chandege: ROM: 1 [1 - **1** - **1**].
17 May 1970: Tanzania: Mara: ROM: 5 [5] - Mugeta: ROM: 4 [4 - **9** - **9**].
18 May 1970: Tanzania: Mara: ROM: 1 [1] - Mwanihana forest: ROM: 1 [1 - **2** - **2**].
26 May 1970: Tanzania: Rubondo [island]: ROM: 2 [2 - **2** - **2**].
27 May 1970: Tanzania: Rubondo [island]: ROM: 2 [2 - **2** - **2**].
29 May 1970: Tanzania: Nkome: ROM: 7 [7 - **7** - **7**].

30 May 1970: Tanzania: Nyamboge: ROM: 21 [21 - **21** - **21**].

Total Specimens for Jonathan, J.: 64

Jones, Clyde
(3 March 1935; Scottsbluff - 6 April 2015;)

Collection Date Unknown: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
10 August 1966: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
4 March 1967: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
8 March 1967: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
15 March 1967: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
13 April 1967: Equatorial Guinea: Mount Borg: MSB: 1 [1 - **1** - **1**].
15 May 1967: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
1 June 1967: Equatorial Guinea: Evuenam: MSB: 1 [1 - **1** - **1**].
9 June 1967: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
10 June 1967: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
29 June 1967: Equatorial Guinea: Moka: MSB: 1 [1 - **1** - **1**].
30 June 1967: Equatorial Guinea: Moka: MSB: 1 [1 - **1** - **1**].
13 July 1967: Equatorial Guinea: Moka: MSB: 2, USNM: 2 [4 - **4** - **4**].
2 August 1967: Equatorial Guinea: Moka: MSB: 1 [1 - **1** - **1**].
10 August 1967: Equatorial Guinea: Aninzok, 4 km W: MSB: 2 [2 - **2** - **2**].
4 September 1967: Equatorial Guinea: Mokula: MSB: 1 [1 - **1** - **1**].
6 September 1967: Equatorial Guinea: Mokula: MSB: 1 [1 - **1** - **1**].
14 September 1967: Equatorial Guinea: Aninzok: MSB: 1 [1 - **1** - **1**].
16 October 1967: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
30 October 1967: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
6 November 1967: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
16 February 1968: "Africa": Dipker Island: MSB: 2 [2 - **2** - **2**].
14 March 1968: Equatorial Guinea: Bolondo: MSB: 1 [1 - **1** - **1**].
20 March 1968: Equatorial Guinea: Engong: MSB: 3 [3 - **3** - **3**].
21 March 1968: Equatorial Guinea: Engong: MSB: 4 [4 - **4** - **4**].
31 March 1968: Equatorial Guinea: Bata: MSB: 1 [1 - **1** - **1**].
5 April 1968: Equatorial Guinea: Engong: MSB: 1 [1 - **1** - **1**].

Total Specimens for Jones, Clyde: 37

Jones, E.M.

26 February 1988: South Africa: Lapalala Wilderness Area, confluence of Palala-Koedoesloop Rivers, Farm New Belgium 608 [= RR Ranch]: TM: 2 [2] - Lapalala Wilderness area, Farm Dubbelwater: TM: 1 [1 - **3** - **3**].
15 March 1988: South Africa: Wakkerstroom: TM: 1 [1 - **1** - **1**].
17 March 1988: South Africa: Wakkerstroom: TM: 1 [1 - **1** - **1**].

Total Specimens for Jones, E.M.: 5

Jones, E.M.; Pallett, J.

26 February 1988: South Africa: Lapalala Wilderness Area, confluence of Palala-Koedoesloop Rivers, Farm New Belgium 608 [= RR Ranch]: TM: 1 [1] - Waterberg, Lapalala Wilderness area: TM: 1 [1 - **2** - **2**].

Total Specimens for Jones, E.M.; Pallett, J.: 2

Jones, John

1 February 1966: Kenya: Wei Wei River: ROM: 2 [2 - **2** - **2**].
10 June 1967: Kenya: Nyeri: ROM: 1 [1 - **1** - **1**].

Total Specimens for Jones, John: 3

Jones, John Knox
(16 March 1929: Lincoln - 15 November 1992: Lubbock)

11 August 1977: Niger: Maradi: TTU: 14 [14 - **14** - **14**].
12 August 1977: Niger: Maradi: TTU: 5 [5 - **5** - **5**].

Total Specimens for Jones, John Knox: 19

Jones, Theo Simpson
(1923 - 1996)

Collection Date Unknown: Cameroon: Bimbia: ROM: 38 [38] - Bokwango: ROM: 14 [14] - Bota: ROM: 7 [7] - Buea, near: ROM: 6 [6] - Buta: ROM: 1 [1] - Ekona: ROM: 1 [1] - Essosong: ROM: 55 [55] - Gwando: ROM: 74 [74] - Idenao: ROM: 3 [3] - Indian Estates: BMNH: 2 [2] - Limbe: ROM: 1 [1] - Mabetta [= Maneta]: ROM: 1 [1] - M'Bonge: ROM: 1 [1] - Mukonje: ROM: 98 [98] - Mukowje: ROM: 1 [1] - Tombel: ROM: 4 [4] - West Cameroon: ROM: 1 [1 - **308**].

Nigeria: Numan: BMNH: 3 [3] - Yo: BMNH: 4 [4 - **7**].
Sierra Leone: Bonthe: BMNH: 2 [2] - Freetown: BMNH: 1 [1] - Njala: BMNH: 6 [6] - Saltpan, near: BMNH: 1 [1] - Scaries river: BMNH: 1 [1] - Sierra Leone: BMNH: 1 [1] - Waterloo: BMNH: 2 [2 - **14**].
Uganda: Amiel: BMNH: 3 [3] - Bukalasa: BMNH: 5 [5] - Burisifwe Gombolola: BMNH: 1 [1] - Kama tin mine: BMNH: 1 [1] - Moyo: BMNH: 1 [1] - Pajule: BMNH: 1 [1] - Serere: BMNH: 1 [1] - Yumbe: BMNH: 1 [1 - **14** - **343**].

1 January 1946: Sierra Leone: Njala: ROM: 2 [2 - **2** - **2**].
3 March 1946: Sierra Leone: Njala: ROM: 1 [1 - **1** - **1**].
12 November 1946: Sierra Leone: Makeni: ROM: 2 [2 - **2** - **2**].
21 November 1946: Sierra Leone: Makeni: ROM: 1 [1 - **1** - **1**].
30 January 1947: Sierra Leone: Njala: ROM: 1 [1 - **1** - **1**].
9 July 1947: Sierra Leone: Njala: ROM: 1 [1 - **1** - **1**].
14 July 1947: Sierra Leone: Njala: BMNH: 2 [2 - **2** - **2**].
25 July 1947: Sierra Leone: Njala: ROM: 1 [1 - **1** - **1**].
8 January 1948: Sierra Leone: Bonthe: BMNH: 1 [1 - **1** - **1**].
31 July 1948: Sierra Leone: Freetown: BMNH: 1 [1 - **1** - **1**].
26 August 1948: Sierra Leone: Bonthe: ROM: 1 [1 - **1** - **1**].
21 November 1948: Sierra Leone: Yile Island: ROM: 1 [1 - **1** - **1**].
24 November 1948: Sierra Leone: Bonthe: ROM: 1 [1 - **1** - **1**].
7 July 1949: Sierra Leone: Njala: AMNH: 1, ROM: 2 [3 - **3** - **3**].
23 January 1951: Sierra Leone: Rokupr: MCZ: 2 [2 - **2** - **2**].
17 October 1954: Sierra Leone: Mongberi: BMNH: 1 [1 - **1** - **1**].
1 January 1962: Uganda: Moyo: ROM: 1 [1] - Moyo, near: ROM: 11 [11 - **12** - **12**].
28 July 1962: Uganda: Kinyala: ROM: 1 [1 - **1** - **1**].
1 August 1962: Uganda: Metu: ROM: 3 [3] - Metu Rest Camp: BMNH: 9 [9 - **12** - **12**].
5 May 1963: Uganda: Namulere: BMNH: 1 [1] - West Mengo: ROM: 1 [1 - **2** - **2**].
1 June 1963: Uganda: Navtakwai: ROM: 1 [1] - West Mengo: ROM: 1 [1 - **2** - **2**].
1 July 1963: Uganda: Entebbe: BMNH: 1, ROM: 1 [2 - **2** - **2**].
4 July 1963: Uganda: Old Entebbe: ROM: 1 [1 - **1** - **1**].
20 July 1963: Uganda: Bukulasa: ROM: 1 [1 - **1** - **1**].
28 July 1963: Uganda: Sipi cave: ROM: 1 [1 - **1** - **1**].
1 August 1963: Uganda: Metu: ROM: 1 [1 - **1** - **1**].
2 November 1963: Uganda: Karamoja district, S of: BMNH: 1 [1 - **1** - **1**].
26 January 1964: Uganda: Entebbe: ROM: 2 [2 - **2** - **2**].
28 July 1964: Uganda: Entebbe: BMNH: 1 [1 - **1** - **1**].
9 August 1964: Kenya: Kimilili, near: ROM: 19 [19 - **19** - **19**].
15 February 1965: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
1 March 1965: Cameroon: Ekona: ROM: 5 [5 - **5** - **5**].
3 March 1965: Cameroon: Tombel: ROM: 2 [2 - **2** - **2**].
1 May 1965: Cameroon: Ekona: ROM: 4 [4 - **4** - **4**].
1 June 1965: Cameroon: Bota: ROM: 1 [1] - Moliwe: ROM: 4 [4 - **5** - **5**].
8 October 1965: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
10 October 1965: Cameroon: Bimbia: BMNH: 1 [1 - **1** - **1**].
26 October 1965: Cameroon: Tombel: ROM: 2 [2 - **2** - **2**].
5 November 1965: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
10 November 1965: Cameroon: Tombel: ROM: 1 [1 - **1** - **1**].
16 November 1965: Cameroon: Mbonge: BMNH: 1 [1 - **1** - **1**].
20 November 1965: Cameroon: M'bonge: ROM: 1 [1 - **1** - **1**].
10 December 1965: Cameroon: Mukonje: ROM: 4 [4 - **4** - **4**].
12 December 1965: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
22 December 1965: Cameroon: Mukonje: ROM: 1 [1 - **1** - **1**].
7 January 1966: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
9 January 1966: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
10 January 1966: Cameroon: Bimbia: ROM: 1 [1] - Bota: ROM: 2 [2 - **3** - **3**].
11 January 1966: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
20 January 1966: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
22 January 1966: Cameroon: Tombel: ROM: 3 [3 - **3** - **3**].
23 January 1966: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
25 January 1966: Cameroon: Mabetta [= Maneta]: ROM: 4 [4 - **4** - **4**].
7 February 1966: Cameroon: Tombel: ROM: 2 [2 - **2** - **2**].
8 February 1966: Cameroon: Essosong: ROM: 1 [1 - **1** - **1**].
12 February 1966: Cameroon: Mukonje: ROM: 3 [3 - **3** - **3**].
22 February 1966: Cameroon: Tombel: ROM: 9 [9 - **9** - **9**].
4 March 1966: Cameroon: Tombel: ROM: 13 [13 - **13** - **13**].
8 March 1966: Cameroon: Tombel: ROM: 19 [19 - **19** - **19**].
9 March 1966: Cameroon: Tombel: ROM: 3 [3 - **3** - **3**].
14 March 1966: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
18 March 1966: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
10 April 1966: Cameroon: Tombel: ROM: 3 [3 - **3** - **3**].
12 April 1966: Cameroon: Tombel: ROM: 7 [7 - **7** - **7**].
14 April 1966: Cameroon: Tombel: ROM: 14 [14 - **14** - **14**].
15 April 1966: Cameroon: Tombel: ROM: 1 [1 - **1** - **1**].
17 April 1966: Cameroon: Tombel: ROM: 33 [33 - **33** - **33**].
23 April 1966: Cameroon: Tombel: ROM: 1 [1 - **1** - **1**].
3 May 1966: Cameroon: Tombel: ROM: 1 [1 - **1** - **1**].
12 May 1966: Cameroon: Tombel: ROM: 5 [5 - **5** - **5**].
23 May 1966: Cameroon: Tombel: ROM: 5 [5 - **5** - **5**].

3 June 1966: Cameroon: Bota: ROM: 2 [2] - Tombel: ROM: 7 [7 - **9** - **9**].
8 June 1966: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
23 September 1966: Cameroon: Tombel: ROM: 28 [28 - **28** - **28**].
1 November 1966: Cameroon: Bota: BMNH: 1 [1] - Mabetta [= Maneta]: ROM: 2 [2] - Muyuka [= Muea]: ROM: 2 [2 - **5** - **5**].
7 November 1966: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
10 November 1966: Cameroon: Bota: ROM: 2 [2] - Tombel: ROM: 1 [1 - **3** - **3**].
15 November 1966: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
18 November 1966: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
20 November 1966: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
24 November 1966: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
26 November 1966: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
1 December 1966: Cameroon: Kumba: ROM: 1 [1 - **1** - **1**].
27 December 1966: Cameroon: Limbe: BMNH: 1 [1 - **1** - **1**].
1 January 1967: Cameroon: Mabetta [= Maneta]: ROM: 3 [3 - **3** - **3**].
16 January 1967: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
20 January 1967: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
21 January 1967: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
22 January 1967: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
27 February 1967: Cameroon: Idenao: ROM: 22 [22 - **22** - **22**].
12 March 1967: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
1 July 1967: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
1 August 1967: Cameroon: Batoke: ROM: 1 [1] - Bota: ROM: 2 [2 - **3** - **3**].
29 September 1967: Cameroon: Buea, near: ROM: 2 [2 - **2** - **2**].
1 October 1967: Cameroon: Ekona: ROM: 2 [2 - **2** - **2**].
23 October 1967: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
26 October 1967: Cameroon: Bota: ROM: 10 [10 - **10** - **10**].
12 November 1967: Cameroon: Buea, near: ROM: 11 [11 - **11** - **11**].
16 November 1967: Cameroon: Tombel: ROM: 1 [1 - **1** - **1**].
9 December 1967: Cameroon: Tiko: ROM: 1 [1 - **1** - **1**].
10 December 1967: Cameroon: Tiko, near: ROM: 3 [3 - **3** - **3**].
25 December 1967: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
1 January 1968: Cameroon: Ekona: ROM: 4 [4] - Meanja: ROM: 1 [1 - **5** - **5**].
4 January 1968: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
5 January 1968: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
6 January 1968: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
9 January 1968: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
11 January 1968: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
29 January 1968: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
2 February 1968: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
4 February 1968: Cameroon: Buea, near: ROM: 14 [14 - **14** - **14**].
10 February 1968: Cameroon: Tombel: ROM: 1 [1 - **1** - **1**].
11 February 1968: Cameroon: Bota: ROM: 5 [5 - **5** - **5**].
1 March 1968: Cameroon: Bisoro Balve: ROM: 57 [57] - Ekona: ROM: 2 [2 - **59** - **59**].
17 March 1968: Cameroon: Buea, near: ROM: 3 [3 - **3** - **3**].
19 March 1968: Cameroon: Likomba: ROM: 10 [10 - **10** - **10**].
1 April 1968: Cameroon: Bimbia: ROM: 6 [6] - Saxenhof: ROM: 3 [3 - **9** - **9**].
1 May 1968: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
2 May 1968: Cameroon: Indian Estates: ROM: 8 [8 - **8** - **8**].
14 May 1968: Cameroon: Saxenhof: ROM: 1 [1 - **1** - **1**].
19 May 1968: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
20 May 1968: Cameroon: Tombel: ROM: 1 [1 - **1** - **1**].
21 May 1968: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
22 May 1968: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
24 May 1968: Cameroon: Bota: ROM: 1 [1 - **1** - **1**].
26 May 1968: Cameroon: Bota: ROM: 2 [2 - **2** - **2**].
29 October 1968: Nigeria: Yo: ROM: 22 [22 - **22** - **22**].
16 November 1969: Cameroon: Tombel: ROM: 1 [1 - **1** - **1**].
6 December 1970: Nigeria: Odukpani: BMNH: 1 [1 - **1** - **1**].
28 February 1971: Nigeria: Maiduguri, NE of: ROM: 1 [1 - **1** - **1**].
12 November 1971: Swaziland: Tshaneni: ROM: 1 [1 - **1** - **1**].
6 January 1972: Swaziland: Tshaneni: ROM: 2 [2 - **2** - **2**].
12 January 1972: Swaziland: Balagane: ROM: 5 [5 - **5** - **5**].
3 February 1972: Swaziland: Mhlumeni: ROM: 3 [3] - Tshaneni: ROM: 1 [1 - **4** - **4**].
26 March 1972: Swaziland: Tshaneni: ROM: 3 [3 - **3** - **3**].
2 April 1972: Swaziland: Tshaneni: ROM: 1 [1 - **1** - **1**].
6 April 1972: Swaziland: Tshaneni: ROM: 21 [21 - **21** - **21**].
8 April 1972: Mozambique: Rio das Pedras: ROM: 5 [5 - **5** - **5**].
13 June 1972: Swaziland: Tshaneni: ROM: 1 [1 - **1** - **1**].
20 July 1972: South Africa: Tshaneni: BMNH: 1 [1 - **1** - **1**].
19 August 1972: Swaziland: Tshaneni: ROM: 16 [16 - **16** - **16**].
4 December 1972: Swaziland: Balagane: ROM: 1 [1 - **1** - **1**].
23 December 1972: Swaziland: Balagane: ROM: 1 [1 - **1** - **1**].
4 January 1973: Swaziland: Balagane: ROM: 1 [1 - **1** - **1**].
1 April 1973: Swaziland: Tshaneni: ROM: 1 [1 - **1** - **1**].
5 May 1974: Swaziland: Balegane: BMNH: 1 [1 - **1** - **1**].

1 March 1988: Congo: Kunda: HZM: 3 [3 - **3** - **3**].

Total Specimens for Jones, Theo Simpson: 944

Jones, Theo Simpson; Shepherd, C.

Collection Date Unknown: Uganda: Mbale: BMNH: 3 [3 - **3** - **3**].
1 July 1962: Uganda: Bulaganya, cave 3 mi S: BMNH: 2 [2 - **2** - **2**].
26 July 1962: Uganda: Bulaganya, cave 3 mi S: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Jones, Theo Simpson; Shepherd, C.: 6

Jones, Theo Simpson; Williams, John George

7 January 1967: Kenya: Tiwi: ROM: 1 [1 - **1** - **1**].

Total Specimens for Jones, Theo Simpson; Williams, John George: 1

Jones, W.E.

7 August 1914: South Africa: Mtongori: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Jones, W.E.: 2

Jones; Vaughan, T.G.C.

16 July 1936: Zambia: Balovale: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Jones; Vaughan, T.G.C.: 1

Jooris

22 November 1977: Malawi: Chintheche: RMCA: 1 [1 - **1** - **1**].
24 March 1981: Cameroon: Buéa: RMCA: 3 [3 - **3** - **3**].
1 January 1990: Cameroon: Bele / Adjola: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Jooris: 5

Jordan, Karl
(1861: Hildersheim - 12 January 1959)

21 February 1920: Algeria: Djamaa: MNHN: 1 [1 - **1** - **1**].
25 February 1920: Algeria: Djamaa: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Jordan, Karl: 2

Jordan, Robert G.; Smail, A.B.

5 June 1973: Tunisia: Tatahouine: TTU: 2 [2 - **2** - **2**].

Total Specimens for Jordan, Robert G.; Smail, A.B.: 2

Jordens

Collection Date Unknown: Congo (Democratic Republic of the): Mongbwalu: RMCA: 1 [1 - **1** - **1**].
13 February 1934: Congo (Democratic Republic of the): Mongbwalu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Jordens: 2

Jörgens

Collection Date Unknown: Tanzania: Iringa: ZMB: 3 [3] - Mtandika: ZMB: 6 [6] - Utengule: ZMB: 2 [2 - **11** - **11**].

Total Specimens for Jörgens: 11

Joubert, K.

3 November 1982: Namibia: Farm Ombarahewa 22: KM: 8 [8] - Farm Schwarzerfels 33: KM: 4 [4 - **12** - **12**].
4 November 1982: Namibia: Farm Ombarahewa 22: KM: 1 [1] - Farm Schwarzerfels 33: KM: 6 [6 - **7** - **7**].

Total Specimens for Joubert, K.: 19

Joubert, P.

Collection Date Unknown: South Africa: West Coast National Park, Geelbek: TM: 2 [2 - **2** - **2**].
25 January 1987: South Africa: Geelbek: TM: 1 [1 - **1** - **1**].

Total Specimens for Joubert, P.: 3

Joubert, R.

20 December 1911: South Africa: Komati River: TM: 1 [1 - **1** - **1**].

Total Specimens for Joubert, R.: 1

Jousseaume

Collection Date Unknown: Djibouti: Obock: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Jousseaume: 1

Julio

16 July 1987: Canary Islands (Spain): Cuevas de Marcos: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Julio: 1

Junod

1 January 1903: South Africa: Shilouwan: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Junod: 1

Juritz

Collection Date Unknown: South Africa: Cape of Good Hope: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Juritz: 1

Juste, Javier

11 August 1992: Angola: Natundabala River [=Tunda Vala gorge]: EBD: 8 [8 - **8** - **8**].
19 August 1992: Angola: Capelopopo: EBD: 3 [3 - **3** - **3**].
29 August 1992: Angola: Kissama [=Quiçama] cave: EBD: 3 [3 - **3** - **3**].
13 January 2000: Ethiopia: Addis Abeba: EBD: 2 [2] - Lalibela: EBD: 1 [1 - **3** - **3**].
20 January 2000: Ethiopia: Lalibela: EBD: 2 [2 - **2** - **2**].
26 January 2000: Ethiopia: Abune Yosef, mountain: EBD: 4 [4 - **4** - **4**].
30 January 2000: Ethiopia: Abiyacula: EBD: 12 [12 - **12** - **12**].
31 January 2000: Ethiopia: Abiyacula: EBD: 1 [1] - Lalibela: EBD: 3 [3 - **4** - **4**].
1 February 2000: Ethiopia: Lalibela: EBD: 1 [1 - **1** - **1**].
3 February 2000: Ethiopia: Medague: EBD: 2 [2 - **2** - **2**].

Total Specimens for Juste, Javier: 42

Juste, Javier; Ayong, Antonio

22 April 1988: São Tomé and Principé: Praia das Conchas: EBD: 2 [2 - **2** - **2**].

Total Specimens for Juste, Javier; Ayong, Antonio: 2

Juste, Javier; Castelo, Ramon

13 February 1987: Cameroon: Ma'an: EBD: 13 [13 - **13** - **13**].

Total Specimens for Juste, Javier; Castelo, Ramon: 13

Juste, Javier; Ibáñez Uargui, Carlos J.

4 April 1988: São Tomé and Principé: Santa Catarina, in a cave near the seashore: EBD: 1 [1 - **1** - **1**].
11 April 1988: São Tomé and Principé: Agua-Ize: EBD: 1 [1 - **1** - **1**].

Total Specimens for Juste, Javier; Ibáñez Uargui, Carlos J.: 2

Juste, Javier; Quetglas, Juan; Ibáñez Uargui, Carlos J.; Garrido, H.

30 April 2000: Morocco: Kef Azigza cave: EBD: 2 [2 - **2** - **2**].

2 May 2000: Morocco: Afnourir, lake: EBD: 2 [2 - **2** - **2**].

Total Specimens for Juste, Javier; Quetglas, Juan; Ibáñez Uargui, Carlos J.; Garrido, H.: 4

Kabuye, S.

5 August 1966: Uganda: Kampala: ROM: 12 [12 - **12** - **12**].

Total Specimens for Kabuye, S.: 12

Kahindo, C.

17 February 2007: Congo (Democratic Republic of the): Kabobo Forest: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Kahindo, C.: 1

Kahl, M.P.

23 March 1964: Uganda: Kampala: ROM: 1 [1 - **1** - **1**].
8 May 1964: Uganda: Kampala: ROM: 2 [2] - Makerere Hill: ROM: 1 [1 - **3** - **3**].

Total Specimens for Kahl, M.P.: 4

Kaiser

Collection Date Unknown: Cameroon: Klein Batonga: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Kaiser: 1

Kaiser, M.N.

27 November 1972: Sudan: Telaweit: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Kaiser, M.N.: 1

Kalchreuter

14 February 1966: Tanzania: Mwela: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Kalchreuter: 1

Kaleme, Prince Kiswele

5 June 2004: Congo (Democratic Republic of the): Mount Tshiabirimu: FMNH: 3 [3 - **3** - **3**].
16 February 2007: Congo (Democratic Republic of the): Kabobo Forest: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Kaleme, Prince Kiswele: 4

Kambamba, B.

Collection Date Unknown: Congo: Unknown locality: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Kambamba, B.: 1

Kamitongo, Ngenge Masumbuko

Collection Date Unknown: Congo (Democratic Republic of the): Lwana River: ZMA: 1 [1 - **1** - **1**].
16 October 1990: Congo (Democratic Republic of the): Lwana: ZMA: 1 [1 - **1** - **1**].
3 April 1992: Congo (Democratic Republic of the): Karambi: ZMA: 2 [2 - **2** - **2**].
4 April 1992: Congo (Democratic Republic of the): Karambi: ZMA: 1 [1 - **1** - **1**].
6 April 1992: Congo (Democratic Republic of the): Karambi: ZMA: 2 [2 - **2** - **2**].
19 April 1992: Congo (Democratic Republic of the): Lwana River: ZMA: 1 [1 - **1** - **1**].
20 April 1992: Congo (Democratic Republic of the): Malembe: ZMA: 1 [1 - **1** - **1**].
28 April 1992: Congo (Democratic Republic of the): Lai Lay: ZMA: 2 [2 - **2** - **2**].
1 May 1992: Congo (Democratic Republic of the): Musenge: ZMA: 2 [2 - **2** - **2**].
2 May 1992: Congo (Democratic Republic of the): Musenge: ZMA: 2 [2 - **2** - **2**].
3 May 1992: Congo (Democratic Republic of the): Musenge: ZMA: 1 [1 - **1** - **1**].
6 May 1992: Congo (Democratic Republic of the): Musenge: ZMA: 2 [2 - **2** - **2**].
12 June 1992: Congo (Democratic Republic of the): Lwana: ZMA: 1 [1 - **1** - **1**].
17 November 1993: Congo (Democratic Republic of the): Kumbi: ZMA: 1 [1 - **1** - **1**].
25 November 1993: Congo (Democratic Republic of the): Kumbi: ZMA: 2 [2 - **2** - **2**].
7 December 1993: Congo (Democratic Republic of the): Kumbi: ZMA: 2 [2 - **2** - **2**].

9 December 1993: Congo (Democratic Republic of the): Kumbi: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Kamitongo, Ngenge Masumbuko: 26

Kaoshagen, B.H.

10 August 1927: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Kaoshagen, B.H.: 1

Kathke

Collection Date Unknown: Cameroon: Bipindihof nr Kribi: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Kathke: 1

Kayango, R.

25 April 1967: Kenya: Keyanguli: ROM: 1 [1 - **1** - **1**].

Total Specimens for Kayango, R.: 1

KB

Collection Date Unknown: Botswana: Kasane: ROM: 2 [2 - **2** - **2**].

Total Specimens for KB: 2

KEA-Mission, The

2 January 1953: Congo (Democratic Republic of the): Vitshumbi: RBINS: 1 [1 - **1** - **1**].
10 March 1953: Congo (Democratic Republic of the): Goma: RBINS: 1 [1 - **1** - **1**].
1 May 1953: Congo (Democratic Republic of the): Kivu, lake: RBINS: 1 [1 - **1** - **1**].
27 November 1953: Congo (Democratic Republic of the): Kyavinionge: RBINS: 1 [1 - **1** - **1**].
5 December 1953: Congo (Democratic Republic of the): Goma: RBINS: 1 [1 - **1** - **1**].
25 February 1954: Congo (Democratic Republic of the): Kasenyi: RBINS: 1 [1 - **1** - **1**].

Total Specimens for KEA-Mission, The: 6

Kearney, R.

24 October 1998: South Africa: Unknown locality: MMK: 1 [1] - Clarens: DNSM: 1 [1 - **2** - **2**].

Total Specimens for Kearney, R.: 2

Kearney, Teresa Catherine

Collection Date Unknown: South Africa: Bonamanzi Game Reserve: DNSM: 1 [1] - Durban: DNSM: 1 [1] - Merrivale: DNSM: 1 [1] - Scottburgh: DNSM: 1 [1] - Yellow Wood Park: DNSM: 1 [1 - **5** - **5**].
27 August 1982: Zimbabwe: Chingamwe Estates: DNSM: 1 [1 - **1** - **1**].
18 April 1995: South Africa: Bonamanzi Game Reserve: DNSM: 1 [1] - Lalapanzi Pan: DNSM: 1 [1 - **2** - **2**].
26 April 1995: South Africa: American cave: DNSM: 1 [1 - **1** - **1**].
15 May 1995: South Africa: University of Natal: DNSM: 1 [1 - **1** - **1**].
13 August 1995: South Africa: Mkuzi Game Reserve: DNSM: 4 [4 - **4** - **4**].
23 August 1995: South Africa: Jozini Dam: DNSM: 1 [1 - **1** - **1**].
28 September 1995: South Africa: Ithala [=Itala] Game Reserve, Main camp: DNSM: 1 [1 - **1** - **1**].
8 January 1996: South Africa: Harold Johnson Nature Reserve: DNSM: 1 [1 - **1** - **1**].
11 January 1996: South Africa: Badplaas: DNSM: 2 [2 - **2** - **2**].
22 January 1996: South Africa: Sarnia road, 28: DNSM: 1 [1 - **1** - **1**].
15 February 1996: South Africa: Game Valley Estates: DNSM: 1 [1 - **1** - **1**].
14 March 1996: South Africa: Dlinza Forest: DNSM: 11 [11] - Harold Johnson Nature Reserve: DNSM: 1 [1 - **12** - **12**].
13 April 1996: South Africa: North Park Nature Reserve: DNSM: 2 [2 - **2** - **2**].
14 April 1996: South Africa: Natal Midlands: DNSM: 1 [1 - **1** - **1**].
20 April 1996: South Africa: Pigeon Valley Park: DNSM: 2 [2 - **2** - **2**].
26 April 1996: South Africa: Harold Johnson Nature Reserve: DNSM: 2 [2 - **2** - **2**].
14 May 1996: South Africa: Game Valley Estates: DNSM: 1 [1 - **1** - **1**].
12 October 1996: South Africa: Empisini Nature Reserve: DNSM: 3 [3] - Renishaw: DNSM: 2 [2 - **5** - **5**].
16 November 1996: Zimbabwe: Rhodes Nyanga-NP: DNSM: 1 [1 - **1** - **1**].
21 November 1996: South Africa: Messina Nature Reserve: DNSM: 5 [5 - **5** - **5**].
22 November 1996: South Africa: Messina Nature Reserve: DNSM: 9 [9 - **9** - **9**].
24 November 1996: South Africa: Messina Nature Reserve: DNSM: 2 [2 - **2** - **2**].
15 February 1997: South Africa: Kenneth Stainbank Nature Reserve: DNSM: 4 [4 - **4** - **4**].
18 June 1997: South Africa: Twin Streams: DNSM: 1 [1 - **1** - **1**].
1 November 1997: South Africa: Addington: DNSM: 1 [1 - **1** - **1**].
8 November 1997: South Africa: Krantzkloof Nature Reserve: DNSM: 2 [2 - **2** - **2**].

9 December 1997: South Africa: Inanda Dam: DNSM: 3 [3 - **3** - **3**].
1 January 1998: South Africa: Hillary area, probably: DNSM: 1 [1 - **1** - **1**].
11 February 1998: South Africa: Westriding: DNSM: 2 [2 - **2** - **2**].
14 February 1998: South Africa: Westriding: DNSM: 1 [1 - **1** - **1**].
15 February 1998: South Africa: Doornkraal campsite: DNSM: 2 [2] - Ithala Game Reserve: DNSM: 4 [4 - **6** - **6**].
19 February 1998: South Africa: Ithala Game Reserve: DNSM: 1 [1 - **1** - **1**].
20 February 1998: South Africa: Ithala Game Reserve: DNSM: 3 [3 - **3** - **3**].
21 February 1998: South Africa: Doornkraal campsite: DNSM: 3 [3] - Ithala Game Reserve: DNSM: 1 [1 - **4** - **4**].
9 April 1998: South Africa: Cowies Hill Park: DNSM: 1 [1] - Sugar Research Association Estate: DNSM: 1 [1 - **2** - **2**].
17 August 1998: South Africa: University of Durban: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Kearney, Teresa Catherine: 95

Kearney, Teresa Catherine; Bogdanowicz, Wieslaw; Watson, Johan

Collection Date Unknown: South Africa: Farm Schaapplaats 930: TM: 1 [1 - **1** - **1**].

Total Specimens for Kearney, Teresa Catherine; Bogdanowicz, Wieslaw; Watson, Johan: 1

Kearney, Teresa Catherine; Ndhlovu, Captain

19 September 2002: South Africa: Farm Blaauwbank 168JS: TM: 2 [2 - **2** - **2**].
13 November 2002: South Africa: Farm Onverwacht 544JT, Sjonajona: TM: 2 [2 - **2** - **2**].
16 February 2004: South Africa: Tswaing Crater, reception area: TM: 1 [1 - **1** - **1**].

Total Specimens for Kearney, Teresa Catherine; Ndhlovu, Captain: 5

Kearney, Teresa Catherine; Seamark, Ernest Charles James

Collection Date Unknown: South Africa: Cederberg, Algeria State Forest, campsite: SAMC: 2 [2 - **2** - **2**].
10 November 1997: South Africa: Krantzkloof Nature Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Kearney, Teresa Catherine; Seamark, Ernest Charles James: 3

Kearney, Teresa Catherine; Taylor, Peter John

19 March 1997: South Africa: Farm Kersefontein [=Berg River]: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Kearney, Teresa Catherine; Taylor, Peter John: 1

Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David

Collection Date Unknown: Zambia: Lufupa camp [site 1]: NMZL: 1 [1 - **1** - **1**].
18 January 2008: Zambia: Lufupa camp [site 1]: NMZL: 5 [5 - **5** - **5**].
19 January 2008: Zambia: Lufupa camp [site 1]: NMZL: 1 [1 - **1** - **1**].
21 January 2008: Zambia: Lufupa camp [site 2]: NMZL: 8 [8 - **8** - **8**].
22 January 2008: Zambia: Lufupa camp [site 2]: NMZL: 1 [1 - **1** - **1**].
23 January 2008: Zambia: Lufupa camp [site 2]: NMZL: 1 [1] - Lufupa camp [site3]: NMZL: 4 [4 - **5** - **5**].
25 January 2008: Zambia: Lufupa camp, open woodland adjacent to flooded grassland [site 4]: NMZL: 6 [6 - **6** - **6**].
28 January 2008: Zambia: Lufupa camp, around thatched buildings [site 6]: NMZL: 4 [4 - **4** - **4**].

Total Specimens for Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: 31

Keilhack, L.

Collection Date Unknown: Togo: Aného: ZMB: 1 [1] - Haubinda: ZMB: 1 [1] - Lomé: ZMB: 2 [2 - **4** - **4**].
16 April 1914: Togo: Lomé: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Keilhack, L.: 5

Keith, G.S.

Collection Date Unknown: Zambia: Nyika Plateau: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Keith, G.S.: 1

Keith, S.

7 March 1962: Kenya: Kikuyu: AMNH: 1 [1 - **1** - **1**].
3 June 1962: Uganda: Kitumetira: AMNH: 1 [1 - **1** - **1**].
26 June 1962: Uganda: Ishasha River: AMNH: 1 [1 - **1** - **1**].
27 June 1962: Uganda: Ishasha River: AMNH: 2 [2 - **2** - **2**].
28 June 1962: Uganda: Ishasha River: AMNH: 1 [1 - **1** - **1**].
6 October 1962: Tanzania: Amani Forest: AMNH: 2 [2 - **2** - **2**].
7 December 1962: Kenya: Tana River: AMNH: 4 [4 - **4** - **4**].

12 December 1962: Kenya: Makere: AMNH: 3 [3 - **3** - **3**].
13 December 1962: Kenya: Makere: AMNH: 4 [4 - **4** - **4**].
17 December 1962: Kenya: Garsen, 6 mi E: AMNH: 1 [1 - **1** - **1**].
19 December 1962: Kenya: Utwani Forest Reserve: AMNH: 3 [3 - **3** - **3**].

Total Specimens for Keith, S.: 23

Kelly, P.J.

27 June 1965: Kenya: Saboti: ROM: 1 [1 - **1** - **1**].
16 July 1965: Kenya: Saboti: ROM: 1 [1 - **1** - **1**].
21 July 1965: Kenya: Saboti caves: ROM: 2 [2 - **2** - **2**].
22 July 1965: Kenya: Saboti caves: ROM: 6 [6 - **6** - **6**].
23 July 1965: Kenya: Saboti: ROM: 2 [2 - **2** - **2**].
24 July 1965: Kenya: Saboti caves: ROM: 1 [1 - **1** - **1**].
26 July 1965: Kenya: Saboti: ROM: 1 [1 - **1** - **1**].
4 August 1965: Kenya: Mount Elgon, S face: ROM: 26 [26] - South Elgon: ROM: 10 [10 - **36** - **36**].
6 August 1965: Kenya: Saboti: ROM: 1 [1 - **1** - **1**].
7 August 1965: Kenya: Saboti: ROM: 2 [2 - **2** - **2**].
18 September 1965: Kenya: Mount Elgon Caves: ROM: 1 [1 - **1** - **1**].
20 October 1965: Kenya: Mount Elgon: ROM: 19 [19] - Mount Elgon Caves: ROM: 38 [38 - **57** - **57**].
28 October 1965: Kenya: Cherangani Hills: ROM: 1 [1 - **1** - **1**].
31 October 1965: Kenya: Cherangani Hills: ROM: 1 [1 - **1** - **1**].
1 November 1965: Kenya: Cherangani Hills: ROM: 1 [1 - **1** - **1**].
2 November 1965: Kenya: Cherangani Hills: ROM: 1 [1 - **1** - **1**].
13 November 1965: Kenya: Elgon Forest: ROM: 1 [1 - **1** - **1**].
14 November 1965: Kenya: Elgon Forest: ROM: 2 [2 - **2** - **2**].
15 November 1965: Kenya: Elgon Forest: ROM: 1 [1 - **1** - **1**].
16 November 1965: Kenya: Elgon Forest: ROM: 4 [4 - **4** - **4**].
17 November 1965: Kenya: Elgon Forest: ROM: 2 [2 - **2** - **2**].
18 November 1965: Kenya: Elgon Forest: ROM: 1 [1 - **1** - **1**].
22 November 1965: Kenya: Elgon Forest: ROM: 1 [1] - Mount Elgon Caves: ROM: 1 [1 - **2** - **2**].
23 November 1965: Kenya: Elgon Forest: ROM: 1 [1 - **1** - **1**].
24 November 1965: Kenya: Elgon Forest: ROM: 5 [5 - **5** - **5**].
29 January 1966: Kenya: North Cherangani: ROM: 3 [3 - **3** - **3**].
30 January 1966: Kenya: North Cherangani: ROM: 1 [1 - **1** - **1**].
4 February 1966: Kenya: Cherangani Hills: ROM: 1 [1 - **1** - **1**].
11 February 1966: Kenya: North Cherangani: ROM: 2 [2 - **2** - **2**].
23 February 1966: Kenya: Mount Elgon: ROM: 3 [3 - **3** - **3**].
2 May 1966: Kenya: Kabras Forest: ROM: 16 [16 - **16** - **16**].
9 July 1966: Kenya: Cherangani Hills: ROM: 4 [4] - Kapolet River, Cherangani, 7: ROM: 1 [1] - Kobolet river: ROM: 1 [1] - North Cherangani: ROM: 1 [1 - **7** - **7**].
17 July 1966: Kenya: Kongelai Escarpment: ROM: 20 [20] - Suyani, 10 km N: SAMA: 1 [1] - West Pokot Escarpement: ROM: 83 [83 - **104** - **104**].

Total Specimens for Kelly, P.J.: 271

Kemp, A.C.

Collection Date Unknown: Kenya: Mout Elgon: BMNH: 1 [1 - **1** - **1**].
22 September 1961: Zimbabwe: Norton, 18 mi W: HZM: 1 [1 - **1** - **1**].
21 February 1976: South Africa: Farm Tweepoort 404: TM: 1 [1 - **1** - **1**].
7 October 1987: South Africa: Newton Park: TM: 1 [1 - **1** - **1**].

Total Specimens for Kemp, A.C.: 4

Kemp, G.E.

30 March 1969: Nigeria: Malamfatori: USNM: 2 [2 - **2** - **2**].

Total Specimens for Kemp, G.E.: 2

Kemp, H.

29 September 1970: Namibia: Kongola ferry area: TM: 1 [1 - **1** - **1**].

Total Specimens for Kemp, H.: 1

Kemp, Robin

Collection Date Unknown: Kenya: Elgon, Mount: BMNH: 1 [1 - **1** - **1**].
25 August 1905: Nigeria: Aguleri: BMNH: 1 [1 - **1** - **1**].
16 September 1909: Uganda: Mount Elgon: BMNH: 1 [1 - **1** - **1**].
7 April 1910: Kenya: Taveta: BMNH: 1 [1 - **1** - **1**].
12 April 1910: Kenya: Ndara hills: BMNH: 2 [2 - **2** - **2**].

8 May 1910: Kenya: Taveta: BMNH: 3 [3 - **3** - **3**].
14 May 1910: Kenya: Taveta: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Kemp, Robin: 10

Kemp, Robin; Rudd, C.D.

2 January 1910: Kenya: Mumias: BMNH: 1 [1 - **1** - **1**].
12 April 1910: Kenya: Ndara hills: BMNH: 1 [1 - **1** - **1**].
2 July 1910: Kenya: Mazeras: BMNH: 3 [3 - **3** - **3**].
10 July 1910: Kenya: Mazeras: BMNH: 1 [1 - **1** - **1**].
11 July 1910: Kenya: Mazeras: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Kemp, Robin; Rudd, C.D.: 7

Kemp, S.

13 August 2001: South Africa: Van Reenen: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Kemp, S.: 1

Kerbis Peterhans, Julian C.

5 January 1983: Kenya: Talek Gate, 4.3 km NW: FMNH: 6 [6 - **6** - **6**].
21 January 1983: Kenya: Talek Gate, 4.3 km NW: FMNH: 4 [4 - **4** - **4**].
22 January 1983: Kenya: Talek Gate, 4.3 km NW: FMNH: 7 [7 - **7** - **7**].
1 January 1988: Kenya: Unknown locality: FMNH: 1 [1 - **1** - **1**].
10 March 1990: Burundi: Teza, 2.3 km N, 0.7 km W: FMNH: 1 [1 - **1** - **1**].
14 March 1990: Burundi: Teza, 2.3 km N, 0.7 km W: FMNH: 2 [2 - **2** - **2**].
16 March 1990: Burundi: Teza, 2.3 km N, 0.7 km W: FMNH: 2 [2 - **2** - **2**].
19 March 1990: Burundi: Teza, 2.3 km N, 0.7 km W: FMNH: 2 [2 - **2** - **2**].
26 March 1990: Burundi: Teza, 2.3 km N, 0.7 km W: FMNH: 1 [1 - **1** - **1**].
28 March 1990: Burundi: Teza, 2.3 km N, 0.7 km W: FMNH: 1 [1 - **1** - **1**].
16 April 1990: Uganda: Kalangala, 1.0 km N, 0.5 km E: FMNH: 2 [2 - **2** - **2**].
17 April 1990: Uganda: Kalangala, 1.0 km N, 0.5 km E: FMNH: 3 [3 - **3** - **3**].
19 April 1990: Uganda: Kalangala: FMNH: 2 [2 - **2** - **2**].
20 April 1990: Uganda: Kalangala, 1.0 km N, 0.5 km E: FMNH: 1 [1 - **1** - **1**].
21 April 1990: Uganda: Kalangala: FMNH: 5 [5 - **5** - **5**].
23 April 1990: Uganda: Kalangala, 1.0 km N, 0.5 km E: FMNH: 5 [5 - **5** - **5**].
24 April 1990: Uganda: Kalangala, 1.0 km N, 0.5 km E: FMNH: 3 [3] - Kalangala, 1.0 km S: FMNH: 7 [7 - **10** - **10**].
13 April 1991: Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: FMNH: 1 [1 - **1** - **1**].
19 April 1991: Uganda: Mubuk river, right bank: FMNH: 1 [1] - Nyabitaba Hut: FMNH: 2 [2 - **3** - **3**].
20 April 1991: Uganda: Nyabitaba Hut: FMNH: 1 [1 - **1** - **1**].
22 April 1991: Uganda: Nyabitaba Hut: FMNH: 1 [1 - **1** - **1**].
26 April 1991: Uganda: John Mate Camp: FMNH: 7 [7 - **7** - **7**].
27 April 1991: Uganda: John Mate Camp: FMNH: 13 [13 - **13** - **13**].
29 April 1991: Uganda: John Mate Camp: FMNH: 3 [3 - **3** - **3**].
27 June 1991: Congo (Democratic Republic of the): Epulu: FMNH: 1 [1] - Epulu, 2 km W: FMNH: 2 [2 - **3** - **3**].
28 June 1991: Congo (Democratic Republic of the): Epulu, 2 km W: FMNH: 1 [1 - **1** - **1**].
29 June 1991: Congo (Democratic Republic of the): Epulu, 2 km W: FMNH: 2 [2 - **2** - **2**].
2 July 1991: Congo (Democratic Republic of the): Epulu, 2 km W: FMNH: 7 [7 - **7** - **7**].
3 July 1991: Congo (Democratic Republic of the): Epulu, 2 km W: FMNH: 2 [2 - **2** - **2**].
4 July 1991: Congo (Democratic Republic of the): Epulu, 2 km W: FMNH: 2 [2 - **2** - **2**].
6 July 1991: Congo (Democratic Republic of the): Epulu: FMNH: 10 [10] - Epulu, 2 km W: FMNH: 1 [1 - **11** - **11**].
30 July 1991: Burundi: Giserama Colline: FMNH: 3 [3 - **3** - **3**].
31 July 1991: Burundi: Giserama Colline: FMNH: 3 [3 - **3** - **3**].
2 August 1991: Burundi: Giserama Colline: FMNH: 2 [2 - **2** - **2**].
3 August 1991: Burundi: Giserama Colline: FMNH: 1 [1 - **1** - **1**].
10 August 1991: Burundi: Giserama Colline: FMNH: 1 [1 - **1** - **1**].
11 August 1991: Burundi: Giserama Colline: FMNH: 1 [1 - **1** - **1**].
12 August 1991: Burundi: Giserama Colline: FMNH: 1 [1 - **1** - **1**].
23 August 1991: Burundi: Giserama Colline: FMNH: 1 [1 - **1** - **1**].
24 February 1997: Uganda: Bwindi-Impenetrable National Park: FMNH: 2 [2 - **2** - **2**].
25 February 1997: Uganda: Bwindi-Impenetrable National Park: FMNH: 9 [9 - **9** - **9**].
27 February 1997: Uganda: Omubiyanja Swamp: FMNH: 12 [12 - **12** - **12**].
1 March 1997: Uganda: Omubiyanja Swamp: FMNH: 3 [3 - **3** - **3**].
2 March 1997: Uganda: Omubiyanja Swamp: FMNH: 10 [10 - **10** - **10**].
10 March 1997: Uganda: Byumba: FMNH: 1 [1 - **1** - **1**].
11 March 1997: Uganda: Byumba: FMNH: 3 [3 - **3** - **3**].
12 March 1997: Uganda: Byumba: FMNH: 4 [4 - **4** - **4**].
13 March 1997: Uganda: Byumba: FMNH: 5 [5 - **5** - **5**].
15 March 1997: Uganda: Ngoto Swamp: FMNH: 6 [6 - **6** - **6**].
16 March 1997: Uganda: Ngoto Swamp: FMNH: 1 [1 - **1** - **1**].
17 March 1997: Uganda: Ngoto Swamp: FMNH: 2 [2 - **2** - **2**].
18 March 1997: Uganda: Ngoto Swamp: FMNH: 2 [2 - **2** - **2**].

10 April 1997: Uganda: Echuya Forest Reserve: FMNH: 3 [3 - **3** - **3**].
11 April 1997: Uganda: Echuya Forest Reserve: FMNH: 13 [13 - **13** - **13**].
12 April 1997: Uganda: Echuya Forest Reserve: FMNH: 8 [8 - **8** - **8**].
16 April 1997: Uganda: Echuya Forest Reserve: FMNH: 3 [3 - **3** - **3**].
17 April 1997: Uganda: Echuya Forest Reserve: FMNH: 7 [7 - **7** - **7**].
15 May 1997: Uganda: Nteko Parish: FMNH: 1 [1 - **1** - **1**].
16 May 1997: Uganda: Nteko Parish: FMNH: 2 [2 - **2** - **2**].
10 May 2003: Mozambique: Gurue, 2.9 km N, 8.9 km E: FMNH: 26 [26 - **26** - **26**].
11 May 2003: Mozambique: Gurue, 2.9 km N, 8.9 km E: FMNH: 2 [2 - **2** - **2**].
12 May 2003: Mozambique: Murabue: FMNH: 3 [3 - **3** - **3**].
24 June 2003: Mozambique: Vilanculos: FMNH: 10 [10 - **10** - **10**].
25 June 2003: Mozambique: Vilanculos: FMNH: 7 [7 - **7** - **7**].
9 July 2003: Mozambique: Murabue: FMNH: 1 [1] - Muresi Swamp, E of: FMNH: 2 [2 - **3** - **3**].
19 July 2003: Mozambique: Gurue, ca 8 km N, 8 km E: FMNH: 1 [1 - **1** - **1**].
25 July 2003: Mozambique: Gurue, 7.6 km N, 7.2 km E: FMNH: 1 [1 - **1** - **1**].
26 July 2003: Mozambique: Gurue, 7.6 km N, 7.2 km E: FMNH: 1 [1 - **1** - **1**].
30 July 2003: Mozambique: Gurue, 7.6 km N, 7.2 km E: FMNH: 1 [1 - **1** - **1**].
1 August 2003: Mozambique: Murabue: FMNH: 2 [2 - **2** - **2**].
2 August 2003: Mozambique: Gurue, 2.9 km N, 8.9 km E: FMNH: 2 [2 - **2** - **2**].
3 August 2003: Mozambique: Murabue: FMNH: 1 [1 - **1** - **1**].
4 August 2003: Mozambique: Murabue: FMNH: 1 [1 - **1** - **1**].
5 August 2003: Mozambique: Murabue: FMNH: 5 [5 - **5** - **5**].
6 August 2003: Mozambique: Murabue: FMNH: 4 [4 - **4** - **4**].
7 August 2003: Mozambique: Murabue: FMNH: 6 [6 - **6** - **6**].
8 August 2003: Mozambique: Gurue, 2.9 km N, 8.9 km E: FMNH: 32 [32] - Murabue: FMNH: 4 [4 - **36** - **36**].
9 August 2003: Mozambique: Murabue: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Kerbis Peterhans, Julian C.: 336

Kerkvoorde

1 January 1933: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Kerkvoorde: 1

Keymer, I.F.

Collection Date Unknown: Zambia: Luangwa Valley: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Keymer, I.F.: 1

Khadhari, Dridi

30 April 1975: Tunisia: Djebel Zaghouan, 4 km W Poste Optique: TTU: 2 [2 - **2** - **2**].
11 May 1975: Tunisia: Nefza, 6 km W: TTU: 1 [1] - Ras Rajel Cemetery: TTU: 6 [6 - **7** - **7**].
27 May 1975: Tunisia: Redeyef, 4 km S: TTU: 6 [6 - **6** - **6**].

Total Specimens for Khadhari, Dridi: 15

Kiara, S.K.

5 September 1966: Kenya: Tsavo East-NP, Mudanda Rock Crevices: ROM: 1 [1] - Tsavo East-NP, Rhino Corner: ROM: 2 [2 - **3** - **3**].

Total Specimens for Kiara, S.K.: 3

Kibwana, V.

25 April 1958: Uganda: Kasenyi: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Kibwana, V.: 1

Kibwana, V.; Longhurst, William M.

25 April 1958: Uganda: Kasenyi: MVZ: 1 [1 - **1** - **1**].
17 May 1958: Uganda: Nyanugasani River: MVZ: 1 [1 - **1** - **1**].
18 May 1958: Uganda: Nyanugasani River: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Kibwana, V.; Longhurst, William M.: 3

Kiekebusch, S.

8 April 1915: Liberia: Cape Palmas, near: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Kiekebusch, S.: 1

Kiepenhauer; Linsenmair; U.S. Navy Medical Research Unit 3 (NaMRU 3), The

10 July 1963: Egypt: Sultan Hassan Mosque: SMF: 19 [19 - **19** - **19**].
1 August 1963: Egypt: Saqqara: SMF: 9 [9 - **9** - **9**].
18 August 1963: Egypt: Edfu: SMF: 29 [29 - **29** - **29**].
16 August 1965: Egypt: Bahig: SMF: 1 [1 - **1** - **1**].

Total Specimens for Kiepenhauer; Linsenmair; U.S. Navy Medical Research Unit 3 (NaMRU 3), The: 58

Killango, A.B.C.

30 October 1975: Uganda: Kisoro: SMF: 2 [2 - **2** - **2**].
31 October 1975: Uganda: Kisoro: SMF: 1 [1 - **1** - **1**].

Total Specimens for Killango, A.B.C.: 3

Kilpatrick, C. William

26 November 1999: Ghana: Adanka Village, near: USNM: 2 [2 - **2** - **2**].

Total Specimens for Kilpatrick, C. William: 2

Kimbembi-ma-Ibaka, A.

Collection Date Unknown: "Africa": Unknown locality: ZMA: 4 [4 - **4**].
Congo (Democratic Republic of the): Kavuaya: RMCA: 2 [2] - Lukatu cave: RMCA: 11 [11 - **13** - **17**].
1 January 2002: Congo (Democratic Republic of the): Cave C.8.1: ZMA: 1 [1] - Cave C.8.2: ZMA: 1 [1] - Mani cave or Nkela cave: RMCA: 3 [3] - Ntoto cave: RMCA: 1 [1 - **6** - **6**].

Total Specimens for Kimbembi-ma-Ibaka, A.: 23

Kingdon, Jonathan

Collection Date Unknown: Tanzania: Ruanda farm: HZM: 4 [4 - **4**].
Uganda: Budongo: BMNH: 10 [10 - **10** - **14**].
12 December 1970: Tanzania: Ruanda farm: HZM: 3 [3 - **3** - **3**].
13 December 1970: Tanzania: Ruanda farm: HZM: 1 [1 - **1** - **1**].
17 December 1970: Tanzania: Ruanda farm: HZM: 1 [1 - **1** - **1**].
12 March 1971: Uganda: Budo: BMNH: 1, HZM: 1 [2 - **2** - **2**].
19 June 1971: Uganda: Ruhizha area: HZM: 1 [1 - **1** - **1**].
8 February 1972: "Africa": Unknown locality: HZM: 1 [1 - **1** - **1**].

Total Specimens for Kingdon, Jonathan: 23

Kinunke

1 January 1911: Uganda: Buhivu: NMW: 1 [1 - **1** - **1**].

Total Specimens for Kinunke: 1

Kirk, John
(1832 - 1922)

Collection Date Unknown: Comoros: Grand Comoro Island: BMNH: 2 [2] - Moheli Island: BMNH: 1 [1 - **3**].
Mozambique: Shupanga: BMNH: 2 [2 - **2**].
Zambia: Shupanga: BMNH: 1 [1 - **1** - **6**].

Total Specimens for Kirk, John: 6

Kirkham; Williams, A.E.

4 March 1969: Kenya: Tiwi: ROM: 2 [2 - **2** - **2**].
17 May 1969: Kenya: Nairobi: ROM: 3 [3 - **3** - **3**].

Total Specimens for Kirkham; Williams, A.E.: 5

Kisakye, John Joseph

20 June 1998: Uganda: Nyabyeya Forestry College: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Kisakye, John Joseph: 1

Kiss

Collection Date Unknown: Burundi: Bujumbura: RMCA: 145 [145 - **145** - **145**].
16 January 1962: Congo (Democratic Republic of the): Lwiro: RMCA: 4 [4 - **4** - **4**].
23 January 1962: Congo (Democratic Republic of the): Uvira: RMCA: 1 [1 - **1** - **1**].
3 February 1962: Congo (Democratic Republic of the): Uvira: RMCA: 1 [1 - **1** - **1**].
1 June 1969: Rwanda: Ihema, lake: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Kiss: 154

Kistel

Collection Date Unknown: Egypt: Cairo, 20 km S: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Kistel: 1

Kithia, J. M.

12 May 1973: Kenya: Mida: LACM: 1 [1 - **1** - **1**].

Total Specimens for Kithia, J. M.: 1

Kitson, A.E.

Collection Date Unknown: Nigeria: Western province: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Kitson, A.E.: 1

Kittenberger, K.

Collection Date Unknown: Tanzania: Unknown locality: HNHM: 1 [1] - Arusha: HNHM: 9 [9] - Moshi Voi: HNHM: 1 [1 - **11** - **11**].
1 March 1903: Tanzania: Kibosho: HNHM: 3 [3 - **3** - **3**].
21 October 1903: Tanzania: Lake Jipe: HNHM: 1 [1 - **1** - **1**].
7 January 1904: Tanzania: Arusha: HNHM: 1 [1 - **1** - **1**].
20 March 1904: Tanzania: Arusha: HNHM: 1 [1 - **1** - **1**].
6 July 1908: Eritrea: Assab: HNHM: 3 [3] - Gibdo: HNHM: 1 [1 - **4** - **4**].

Total Specimens for Kittenberger, K.: 21

Kityo, Robert N.

18 May 1990: Uganda: Tende: FMNH: 5 [5 - **5** - **5**].
19 May 1990: Uganda: Tende: FMNH: 2 [2 - **2** - **2**].
20 May 1990: Uganda: Tende: FMNH: 8 [8 - **8** - **8**].
21 May 1990: Uganda: Tende: FMNH: 2 [2 - **2** - **2**].
22 May 1990: Uganda: Tende: FMNH: 1 [1 - **1** - **1**].
28 May 1990: Uganda: Bufumira Island: FMNH: 3 [3 - **3** - **3**].
29 May 1990: Uganda: Bufumira Island: FMNH: 2 [2 - **2** - **2**].
8 July 1990: Uganda: Bukakata: FMNH: 1 [1 - **1** - **1**].
20 July 1990: Uganda: Bukakata: FMNH: 1 [1 - **1** - **1**].
22 July 1990: Uganda: Bukakata: FMNH: 1 [1 - **1** - **1**].
23 July 1990: Uganda: Bukakata: FMNH: 3 [3 - **3** - **3**].
25 July 1990: Uganda: Bukakata: FMNH: 2 [2 - **2** - **2**].
26 July 1990: Uganda: Bukakata: FMNH: 1 [1 - **1** - **1**].
6 August 1990: Uganda: Ajumani: FMNH: 2 [2 - **2** - **2**].
9 August 1990: Uganda: Metu: FMNH: 2 [2 - **2** - **2**].
10 August 1990: Uganda: Metu: FMNH: 12 [12 - **12** - **12**].
11 August 1990: Uganda: Metu: FMNH: 1 [1 - **1** - **1**].
13 August 1990: Uganda: Dufile: FMNH: 9 [9 - **9** - **9**].
5 March 1997: Uganda: Byumba: FMNH: 1 [1 - **1** - **1**].
6 March 1997: Uganda: Byumba: FMNH: 7 [7 - **7** - **7**].
15 May 1997: Uganda: Nteko Parish: FMNH: 1 [1 - **1** - **1**].
16 May 1997: Uganda: Nteko Parish: FMNH: 2 [2 - **2** - **2**].
17 May 1997: Uganda: Nteko Parish: FMNH: 7 [7 - **7** - **7**].
18 May 1997: Uganda: Nteko Parish: FMNH: 7 [7 - **7** - **7**].
19 May 1997: Uganda: Nteko Parish: FMNH: 10 [10 - **10** - **10**].
20 May 1997: Uganda: Nteko Parish: FMNH: 4 [4 - **4** - **4**].
21 May 1997: Uganda: Nteko Parish: FMNH: 10 [10 - **10** - **10**].
22 May 1997: Uganda: Nteko Parish: FMNH: 9 [9 - **9** - **9**].
6 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 1 [1 - **1** - **1**].
7 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 1 [1 - **1** - **1**].
11 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 2 [2 - **2** - **2**].
12 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 3 [3 - **3** - **3**].
13 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 6 [6 - **6** - **6**].
14 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 1 [1 - **1** - **1**].

15 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 3 [3 - **3** - **3**].
16 June 1998: Uganda: Budongo Forest Royal mile: FMNH: 2 [2] - Nyabyeya Forestry College: FMNH: 8 [8 - **10** - **10**].
17 June 1998: Uganda: Budongo Forest Royal mile: FMNH: 5 [5 - **5** - **5**].
18 June 1998: Uganda: Budongo Forest Royal mile: FMNH: 1 [1] - Budongo Forest Royal mile Forest: FMNH: 4 [4 - **5** - **5**].
19 June 1998: Uganda: Budongo Forest Royal mile Forest: FMNH: 5 [5] - Nyabyeya Forestry College: FMNH: 2 [2 - **7** - **7**].
20 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 1 [1 - **1** - **1**].
23 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 4 [4 - **4** - **4**].
24 June 1998: Uganda: Nyabyeya Forestry College: FMNH: 1 [1 - **1** - **1**].
25 June 1998: Uganda: Budongo Forest: FMNH: 5 [5] - Budongo Forest Nature Reserve: FMNH: 10 [10 - **15** - **15**].
26 June 1998: Uganda: Budongo Forest Nature Reserve: FMNH: 2 [2 - **2** - **2**].
27 June 1998: Uganda: Budongo Forest Nature Reserve: FMNH: 2 [2 - **2** - **2**].
2 July 1998: Uganda: Busingiro area: FMNH: 8 [8 - **8** - **8**].
3 July 1998: Uganda: Busingiro area: FMNH: 3 [3 - **3** - **3**].

Total Specimens for Kityo, Robert N.: 196

Kityo, Robert N.; ATBP Mammal Team

13 June 1998: Uganda: Nyabyeya Forestry College: MCZ: 1 [1 - **1** - **1**].
16 June 1998: Uganda: Nyabyeya Forestry College: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Kityo, Robert N.; ATBP Mammal Team: 2

Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team

16 June 1998: Uganda: Budongo Forest Royal mile area: MCZ: 1 [1 - **1** - **1**].
17 June 1998: Uganda: Budongo Forest Royal mile area: MCZ: 1 [1 - **1** - **1**].
19 June 1998: Uganda: Budongo Forest Royal mile area: MCZ: 1 [1 - **1** - **1**].
23 June 1998: Uganda: Nyabyeya Forestry College: MCZ: 1 [1 - **1** - **1**].
25 June 1998: Uganda: Budongo Forest: MCZ: 1 [1 - **1** - **1**].
3 July 1998: Uganda: Busingiro area: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: 6

Kizungu, R.

22 July 2007: Congo (Democratic Republic of the): Kahuzi, W slope of mount: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Kizungu, R.: 1

Kjellesvig-Waering, Erik Norman
(9 February 1912: Havana - 16 July 1979: Marco Island)

13 December 1971: Mozambique: Matola: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Kjellesvig-Waering, Erik Norman: 1

Klaptocs, A.

Collection Date Unknown: Guinea: Ouassou: NMW: 1 [1 - **1** - **1**].

Total Specimens for Klaptocs, A.: 1

Kleinschmidt, Otto; Floericke, Kurt

Collection Date Unknown: Morocco: Tanger: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Kleinschmidt, Otto; Floericke, Kurt: 1

Klemens, Michael W.; Moehlman, Patricia D.

22 February 1993: Tanzania: Ruaha National Park: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Klemens, Michael W.; Moehlman, Patricia D.: 1

Kleyn, L.J.K.

18 April 1998: Benin: Porto-Novo: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Kleyn, L.J.K.: 2

Kloppers, J.J.

14 November 1959: South Africa: Tshokwane: KNP: 1 [1 - **1** - **1**].

8 June 1962: South Africa: Xixengendzini road: KNP: 1 [1 - **1** - **1**].

Total Specimens for Kloppers, J.J.: 2

Kloppers, J.J.; Pienaar, Uys de Villiers

17 December 1959: South Africa: Tshokwane: KNP: 1 [1 - **1** - **1**].

Total Specimens for Kloppers, J.J.; Pienaar, Uys de Villiers: 1

Klunzinger

Collection Date Unknown: Egypt: Al Bahr Al Ahmar: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Klunzinger: 2

Knipper

22 October 1952: Tanzania: Chimala: SMNS: 4 [4 - **4** - **4**].
4 June 1962: Tanzania: Chimala: LNK: 11 [11 - **11** - **11**].
23 July 1962: Tanzania: Iringa, near: LNK: 1 [1 - **1** - **1**].

Total Specimens for Knipper: 16

Knorr, Hans

Collection Date Unknown: Guinea: Tahiré: ZFMK: 1 [1 - **1** - **1**].
3 October 1956: Guinea: Tahiré: SMNS: 2 [2 - **2** - **2**].
5 October 1956: Guinea: Tahiré: ZFMK: 1 [1] - Tahire, big cave near: SMNS: 1 [1 - **2** - **2**].
11 October 1956: Guinea: Kindia: ZFMK: 1 [1] - Tahiré: SMNS: 1 [1 - **2** - **2**].
15 November 1956: Guinea: Salung Plateau, cave near Nyembaro: SMNS: 3, ZFMK: 4 [7 - **7** - **7**].
19 November 1956: Guinea: Kolenté, 10 km W: SMNS: 9 [9] - Salung Plateau, cave near Nyembaro: ZFMK: 1 [1 - **10** - **10**].
23 November 1956: Guinea: Kankuya Plateau, cave near Nyembaro: ZFMK: 1 [1] - Nyembaro: ZFMK: 1 [1 - **2** - **2**].
24 November 1956: Guinea: Kolente: ZFMK: 2 [2] - Nyembaro: SMF: 2, SMNS: 8 [10 - **12** - **12**].
27 November 1956: Guinea: Kolente: SMF: 1 [1] - Kolenté, 10 km W: SMNS: 1 [1 - **2** - **2**].

Total Specimens for Knorr, Hans: 40

Koch, K.L.

Collection Date Unknown: Madagascar: Unknown locality: FMNH: 1 [1 - **1** - **1**].
18 June 1953: Madagascar: Betroka: FMNH: 1 [1 - **1** - **1**].
15 July 1953: Madagascar: Antanandava: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Koch, K.L.: 4

Koch-Weser, Sylvia

Collection Date Unknown: Burkina Faso: Soum province: SMF: 1 [1 - **1** - **1**].
28 January 1980: Burkina Faso: Unknown locality: SMF: 2 [2 - **2** - **2**].
23 June 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
24 June 1980: Burkina Faso: Unknown locality: SMF: 2 [2 - **2** - **2**].
28 June 1980: Burkina Faso: Unknown locality: SMF: 6 [6 - **6** - **6**].
5 July 1980: Burkina Faso: Unknown locality: SMF: 2 [2 - **2** - **2**].
6 July 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
9 July 1980: Burkina Faso: Unknown locality: SMF: 3 [3 - **3** - **3**].
12 July 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
14 July 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
16 July 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
19 July 1980: Burkina Faso: Unknown locality: SMF: 4 [4 - **4** - **4**].
2 August 1980: Burkina Faso: Kénédougou province: SMF: 2 [2 - **2** - **2**].
3 August 1980: Burkina Faso: Unknown locality: SMF: 2 [2] - Kénédougou province: SMF: 3 [3 - **5** - **5**].
7 August 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
14 August 1980: Burkina Faso: Tambao: SMF: 1 [1 - **1** - **1**].
16 August 1980: Burkina Faso: Unknown locality: SMF: 17 [17] - Tambao: SMF: 1 [1 - **18** - **18**].
22 August 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1**].
Niger: Saba: SMF: 1 [1 - **1** - **2**].
23 August 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
31 August 1980: Burkina Faso: Unknown locality: SMF: 3 [3 - **3** - **3**].
3 September 1980: Burkina Faso: Kadiogo province: SMF: 1 [1 - **1** - **1**].
6 September 1980: Burkina Faso: Kadiogo province: SMF: 1 [1 - **1** - **1**].
8 September 1980: Burkina Faso: Diebougou: SMF: 10 [10 - **10** - **10**].
10 September 1980: Burkina Faso: Unknown locality: SMF: 3 [3 - **3** - **3**].
11 September 1980: Burkina Faso: Diebougou: SMF: 1 [1 - **1** - **1**].
13 September 1980: Burkina Faso: Bougouriba province: SMF: 5 [5 - **5** - **5**].

14 September 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
20 September 1980: Burkina Faso: Unknown locality: SMF: 2 [2 - **2** - **2**].
21 September 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
25 September 1980: Burkina Faso: Soum province: SMF: 1 [1 - **1** - **1**].
26 September 1980: Burkina Faso: Unknown locality: SMF: 2 [2 - **2** - **2**].
27 September 1980: Burkina Faso: Bam province: SMF: 1 [1 - **1** - **1**].
6 October 1980: Burkina Faso: Unknown locality: SMF: 2 [2] - Dionga: SMF: 1 [1 - **3** - **3**].
7 October 1980: Burkina Faso: Unknown locality: SMF: 1 [1] - Dionga: SMF: 1 [1 - **2** - **2**].
8 October 1980: Burkina Faso: Séno province: SMF: 1 [1 - **1** - **1**].
12 October 1980: Burkina Faso: Unknown locality: SMF: 3 [3 - **3** - **3**].
20 October 1980: Burkina Faso: Unknown locality: SMF: 1 [1 - **1** - **1**].
31 October 1980: Burkina Faso: Unknown locality: SMF: 2 [2 - **2** - **2**].
4 November 1980: Burkina Faso: Unknown locality: SMF: 1 [1] - Kossi province: SMF: 3 [3] - Nouna: SMF: 2 [2 - **6** - **6**].
5 November 1980: Burkina Faso: Unknown locality: SMF: 10 [10 - **10** - **10**].
9 November 1980: Burkina Faso: Kadiogo province: SMF: 1 [1] - Ouagadougou: SMF: 3 [3 - **4** - **4**].
14 November 1980: Burkina Faso: Unknown locality: SMF: 7 [7 - **7** - **7**].
24 November 1980: Burkina Faso: Unknown locality: SMF: 2 [2 - **2** - **2**].
7 December 1980: Burkina Faso: Kadiogo province: SMF: 1 [1 - **1** - **1**].
2 January 1981: Burkina Faso: Unknown locality: SMF: 2 [2 - **2** - **2**].
3 January 1981: Burkina Faso: Unknown locality: SMF: 1 [1] - Nahouri province: SMF: 1 [1 - **2** - **2**].
10 January 1981: Burkina Faso: Unknown locality: SMF: 3 [3] - Tambao: SMF: 2 [2 - **5** - **5**].
19 July 1981: Burkina Faso: Tambao: SMF: 1 [1 - **1** - **1**].

Total Specimens for Koch-Weser, Sylvia: 139

Kock, Dieter

6 June 1961: Ethiopia: Bahar Dar: SMF: 3 [3 - **3** - **3**].
12 June 1962: South Sudan: Nzara: SMF: 1 [1 - **1** - **1**].
17 October 1962: Sudan: Buram: SMF: 1 [1 - **1** - **1**].
28 October 1962: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
2 November 1962: Sudan: Buram: SMF: 5 [5] - Kadugli: SMF: 1 [1 - **6** - **6**].
10 December 1962: Sudan: Kadugli: SMF: 6 [6 - **6** - **6**].
16 December 1962: Sudan: Kadugli: SMF: 2 [2 - **2** - **2**].
4 January 1963: Sudan: Kadugli: SMF: 2 [2 - **2** - **2**].
9 January 1963: Sudan: Rheika: SMF: 1 [1 - **1** - **1**].
23 February 1963: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
8 March 1963: Sudan: Kadugli: SMF: 2 [2 - **2** - **2**].
9 March 1963: Sudan: Kadugli: SMF: 2 [2 - **2** - **2**].
13 March 1963: Sudan: Kadugli: SMF: 1 [1 - **1** - **1**].
2 April 1963: Sudan: Subeigh Forest Reserve: SMF: 3 [3 - **3** - **3**].
12 December 1964: Sudan: Kadugli: SMF: 2 [2 - **2** - **2**].
25 December 1964: Sudan: Tadoro: SMF: 1 [1 - **1** - **1**].
26 December 1964: Sudan: Tadoro: SMF: 1 [1 - **1** - **1**].
6 January 1965: Sudan: Jebel Talao: SMF: 3 [3 - **3** - **3**].
25 January 1965: Sudan: Jebel Toro: SMF: 4 [4 - **4** - **4**].
26 January 1965: Sudan: Buram: SMF: 10 [10] - Subeigh Forest Reserve: SMF: 3 [3 - **13** - **13**].
2 February 1965: Sudan: Tadoro: SMF: 1 [1 - **1** - **1**].
3 March 1965: Sudan: Buram: SMF: 24 [24 - **24** - **24**].
6 March 1965: Sudan: Tadoro: SMF: 1 [1 - **1** - **1**].
11 March 1965: Sudan: Buram: SMF: 1 [1] - Rheika: SMF: 3 [3] - South Darfur state: SMF: 1 [1 - **5** - **5**].
24 March 1965: Sudan: Rheika: SMF: 3 [3 - **3** - **3**].
28 March 1965: Sudan: Angolo: SMF: 7 [7 - **7** - **7**].
11 April 1970: Kenya: Aruba Lodge: SMF: 2 [2 - **2** - **2**].
23 December 1970: Kenya: Ithundu cave: ROM: 5 [5 - **5** - **5**].
30 January 1971: Kenya: Leopard Rock Lodge: SMF: 1 [1 - **1** - **1**].
7 February 1971: Kenya: Aruba Lodge: SMF: 1 [1 - **1** - **1**].
24 February 1971: Kenya: Elgon, Mount: SMF: 1 [1 - **1** - **1**].
6 June 1971: Ethiopia: Bahar Dar: SMF: 2 [2 - **2** - **2**].
16 June 1971: Egypt: Saqqara: SMF: 2 [2 - **2** - **2**].
31 January 1975: Morocco: Dcheira: SMF: 3 [3 - **3** - **3**].
22 September 1975: Kenya: Ruaraka: SMF: 1 [1 - **1** - **1**].
30 October 1976: Niger: Maradi: SMF: 5 [5 - **5** - **5**].
31 October 1976: Niger: Maradi: SMF: 2 [2 - **2** - **2**].
28 August 1977: Kenya: Katilo: BMNH: 1 [1 - **1** - **1**].
29 April 1994: Tunisia: Unknown locality: SMF: 1 [1 - **1** - **1**].

Total Specimens for Kock, Dieter: 124

Kock, Dieter; Mumford, Russell E.

28 September 1975: Kenya: Buffalo Springs natural reserve: SMF: 1 [1 - **1** - **1**].

Total Specimens for Kock, Dieter; Mumford, Russell E.: 1

Koechlin, Bernard
(1928 - 15 June 2007: Villers-sur-Mer)

Collection Date Unknown: Madagascar: Kinakina: MNHN: 1 [1 - **1** - **1**].
7 August 1968: Madagascar: Mistinjo: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Koechlin, Bernard: 2

Koekemoer, D.

18 February 1982: South Africa: Verwoerdburg: TM: 1 [1] - Verwoerdburg, suburban garden: TM: 1 [1 - **2** - **2**].

Total Specimens for Koekemoer, D.: 2

Koeman, J.H.

1 June 1970: Niger: Unknown locality: ZMA: 1 [1 - **1** - **1**].
1 September 1970: Nigeria: Darazo, 6 km E: ZMA: 1 [1 - **1** - **1**].
9 July 1971: Nigeria: Darazo, 6 km E: ZMA: 1 [1 - **1** - **1**].
1 February 1977: Benin: Park W[est]: ZMA: 1 [1 - **1** - **1**].
28 February 1977: Nigeria: Rafin Dinya: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Koeman, J.H.: 5

Koenig, Alexander Ferdinand
(1858 - 1940)

Collection Date Unknown: Sudan: Bahr el Shagal: ZMB: 1 [1 - **1** - **1**].
1 January 1892: Algeria: Biskra: ZFMK: 3 [3 - **3** - **3**].
15 February 1910: Sudan: Jebel Aulia: ZFMK: 2 [2 - **2** - **2**].
31 March 1910: South Sudan: Abu Doleb: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Koenig, Alexander Ferdinand: 7

Kofi, A.

20 August 1967: Ghana: Elemina: USNM: 43 [43 - **43** - **43**].
31 August 1967: Ghana: Denu: USNM: 61 [61 - **61** - **61**].

Total Specimens for Kofi, A.: 104

Kofron, Christopher P.

20 November 1988: Liberia: Hendi: AMNH: 2 [2 - **2** - **2**].
27 November 1988: Liberia: Cuttington University College: AMNH: 1 [1 - **1** - **1**].
1 December 1988: Liberia: Cuttington University College: AMNH: 1 [1 - **1** - **1**].
5 December 1988: Liberia: Cuttington University College: AMNH: 1 [1 - **1** - **1**].
7 December 1988: Liberia: Cuttington University College: AMNH: 5 [5 - **5** - **5**].
30 December 1988: Liberia: Cuttington University College: AMNH: 1 [1] - Kpatwee Falls: AMNH: 17 [17 - **18** - **18**].
31 December 1988: Liberia: Kpatwee Falls: AMNH: 1 [1 - **1** - **1**].
1 January 1989: Liberia: Kpatwee Falls: AMNH: 1 [1 - **1** - **1**].
2 January 1989: Liberia: Kpatwee Falls: AMNH: 1 [1 - **1** - **1**].
8 January 1989: Liberia: Cuttington University College: AMNH: 1 [1 - **1** - **1**].
10 January 1989: Liberia: Zorzor: AMNH: 2 [2 - **2** - **2**].
12 January 1989: Liberia: Zorzor: AMNH: 1 [1 - **1** - **1**].
16 February 1989: Liberia: Robertsport: AMNH: 8 [8 - **8** - **8**].
17 February 1989: Liberia: Robertsport: AMNH: 5 [5 - **5** - **5**].
25 March 1989: Liberia: Cuttington University College: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Kofron, Christopher P.: 49

Köhl

Collection Date Unknown: Rwanda: Kissenji [=Gisenyi]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Köhl: 1

Kohl-Larsen expedition, The

Collection Date Unknown: Tanzania: Iraka landscape: SMF: 5 [5] - Iraku: SMF: 5 [5 - **10** - **10**].
17 October 1938: Tanzania: Matete river: SMF: 1 [1 - **1** - **1**].

Total Specimens for Kohl-Larsen expedition, The: 11

Kolenati, Friedrich Anton
(1812: Prague - 1864: Praded)

Collection Date Unknown: Sudan: Khartoum: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Kolenati, Friedrich Anton: 1

Kompanje, Erwin J.O.

1 July 1991: Namibia: Windhoek: NMR: 2 [2 - **2** - **2**].
6 November 1996: Egypt: Cairo: NMR: 1 [1 - **1** - **1**].
1 August 1998: Mozambique: Mkuzi Reserve: NMR: 1 [1 - **1** - **1**].

Total Specimens for Kompanje, Erwin J.O.: 4

Konietzko

Collection Date Unknown: Cameroon: Balue mountains: ZMB: 4 [4 - **4** - **4**].

Total Specimens for Konietzko: 4

Koopman, Karl Friedrich
(1 January 1920 - 20 or 22 September 1997)

Collection Date Unknown: Kenya: Shimoni: AMNH: 2 [2] - Thika road: AMNH: 2 [2 - **4**].
South Africa: Punda Maria Camp, 2 km N: AMNH: 7 [7 - **7** - **11**].
25 September 1975: Kenya: Kiboko: AMNH: 1 [1 - **1** - **1**].
28 September 1975: Kenya: Kiboko: AMNH: 2 [2] - Shimoni: AMNH: 3 [3 - **5** - **5**].
29 September 1975: Kenya: Similani cave: AMNH: 17 [17 - **17** - **17**].
2 September 1981: Nigeria: Ife University Conference Center, ca. 5 mi SW: AMNH: 1 [1 - **1** - **1**].
3 September 1981: Nigeria: Ife Botanical gardens: AMNH: 1 [1 - **1** - **1**].
4 July 1987: South Africa: Pafuri area: AMNH: 1 [1 - **1** - **1**].
18 January 1988: South Africa: Fig Tree Camp: AMNH: 1 [1 - **1** - **1**].
19 January 1988: South Africa: Fig Tree Camp: AMNH: 8 [8] - Pafuri: AMNH: 3 [3] - Pafuri area: AMNH: 2 [2] - Pafuri area, Mockford's Garden: AMNH: 6 [6 - **19** - **19**].
20 January 1988: South Africa: Pafuri area: AMNH: 2 [2] - Punda Maria, 15 km E: AMNH: 3 [3 - **5** - **5**].
21 January 1988: South Africa: Punda Maria Camp, 2 km N: AMNH: 4 [4 - **4** - **4**].
22 January 1988: South Africa: Fig Tree Camp: AMNH: 1 [1] - Pafuri: AMNH: 1 [1] - Pafuri area: AMNH: 3 [3] - Pafuri area, Mockford's Garden: AMNH: 6 [6] - Skukuza: AMNH: 1 [1 - **12** - **12**].
23 January 1988: South Africa: Fig Tree Camp: AMNH: 1 [1] - Pafuri area: AMNH: 3 [3] - Pafuri area, Mockford's Garden: AMNH: 2 [2 - **6** - **6**].
24 January 1988: South Africa: Letaba: AMNH: 2 [2] - Letaba Highwater Bridge: AMNH: 6 [6] - Letaba Rest Camp, 1 km SE: AMNH: 1 [1 - **9** - **9**].
25 January 1988: South Africa: Letaba Rest Camp, 1 km SE: AMNH: 4 [4 - **4** - **4**].
26 January 1988: South Africa: Olifants [see Olifants Ruskamp, see also: Olifants River Rest Camp, Olifants River Ruskamp, Olifantsrivierruskamp]: AMNH: 3 [3] - Olifants, 7 km W: AMNH: 5 [5] - Satara Rest Camp: AMNH: 6 [6 - **14** - **14**].
27 January 1988: South Africa: Letaba, 5 km E: AMNH: 2 [2 - **2** - **2**].
28 January 1988: South Africa: Pafuri area, Mockford's Garden: AMNH: 1 [1 - **1** - **1**].
29 January 1988: South Africa: Letaba, 8 km SE: AMNH: 2 [2] - Nhlanganindam. [see Nhlanganini dam, see also: Hlanganini dam]: AMNH: 1 [1 - **3** - **3**].
30 January 1988: South Africa: Letaba: AMNH: 2 [2] - Nwanedzi River, old bridge over: AMNH: 5 [5] - Satara Rest Camp: AMNH: 1 [1 - **8** - **8**].
31 January 1988: South Africa: Nwanedzi River, old bridge over: AMNH: 1 [1 - **1** - **1**].
1 February 1988: South Africa: Nwanetzi: AMNH: 2 [2] - Nwanetzi, 1 km N: AMNH: 8 [8 - **10** - **10**].
3 February 1988: South Africa: Orpen Gate, 14 km N: AMNH: 3 [3] - Roodevaal Private Camp, 2 km SE: AMNH: 7 [7 - **10** - **10**].
4 February 1988: South Africa: Letaba-Olifants confluence, 2 km E: AMNH: 1 [1 - **1** - **1**].
6 February 1988: South Africa: Satara Rest Camp: AMNH: 4 [4] - Skukuza: AMNH: 1 [1 - **5** - **5**].
7 February 1988: South Africa: Skukuza: AMNH: 9 [9 - **9** - **9**].
8 February 1988: South Africa: Satara Rest Camp: AMNH: 1 [1 - **1** - **1**].
9 February 1988: South Africa: Letaba-Olifants confluence, 2 km E: AMNH: 1 [1 - **1** - **1**].
10 February 1988: South Africa: Skukuza: AMNH: 2 [2] - Tshokwani: AMNH: 2 [2 - **4** - **4**].
15 February 1988: South Africa: Malelane: AMNH: 2 [2] - Malelane, 11 km ENE: AMNH: 16 [16] - Malelane, 3 km NNE: AMNH: 2 [2 - **20** - **20**].

Total Specimens for Koopman, Karl Friedrich: 187

Korn

9 March 1983: South Africa: Nylsvlei Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Korn: 1

Kosten, Stan

22 November 1976: Benin: Mékrou river: ZMA: 3 [3] - Park W[est]: ZMA: 1 [1 - **4** - **4**].

16 March 1977: Niger: Park West: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Kosten, Stan: 5

Kotschy, Th.

Collection Date Unknown: Sudan: Khartoum or Sennaar: NMW: 1 [1] - Kordofan: BMNH: 1 [1 - **2** - **2**].

Total Specimens for Kotschy, Th.: 2

Kotschy, Th.; Parrey

Collection Date Unknown: Sudan: Kordofan: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Kotschy, Th.; Parrey: 1

Kowalski, Kazimierz

16 December 1981: Algeria: Sétif: HZM: 1 [1 - **1** - **1**].
30 April 1982: Algeria: Sebdou: HZM: 1 [1 - **1** - **1**].
2 June 1982: Algeria: Misserghin: HZM: 1 [1 - **1** - **1**].
8 June 1982: Algeria: Oued Tlélat: HZM: 1 [1 - **1** - **1**].
22 June 1982: Algeria: Misserghin: HZM: 1 [1 - **1** - **1**].
8 October 1982: Algeria: Les Andalouses: HZM: 1 [1 - **1** - **1**].
8 November 1982: Algeria: Les Andalouses: HZM: 3 [3 - **3** - **3**].
12 November 1982: Algeria: Les Andalouses: HZM: 2 [2 - **2** - **2**].
24 March 1983: Algeria: Les Andalouses: HZM: 1 [1 - **1** - **1**].
13 August 1983: Algeria: Tikjda: HZM: 1 [1 - **1** - **1**].

Total Specimens for Kowalski, Kazimierz: 13

Kowalski, Kazimierz; Rzebik-Kowalska, Barbara

Collection Date Unknown: Algeria: Unknown locality: ISEA: 1 [1 - **1** - **1**].
31 October 1981: Algeria: Brezina: ISEA: 1 [1] - Brezina cave: ISEA: 2 [2 - **3** - **3**].
6 November 1981: Algeria: Sebdou, 20 km NW: ISEA: 1 [1 - **1** - **1**].
14 December 1982: Algeria: Misserghin: ISEA: 1 [1 - **1** - **1**].
4 January 1983: Algeria: Sig: ISEA: 1 [1 - **1** - **1**].
25 January 1983: Algeria: Sig: ISEA: 1 [1 - **1** - **1**].
19 July 1983: Algeria: Benni Abbes: ISEA: 1 [1 - **1** - **1**].

Total Specimens for Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: 9

Kramer, H.H.

11 October 1978: South Africa: Schurweberg: TM: 1 [1 - **1** - **1**].

Total Specimens for Kramer, H.H.: 1

Kraus, F.

1 January 1862: Eritrea: Bogos: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Kraus, F.: 1

Krauss

Collection Date Unknown: Nigeria: Yoruba: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Krauss: 1

Krebs

Collection Date Unknown: South Africa: Cape of Good Hope: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Krebs: 2

Krebs, John W.

11 April 1978: Sierra Leone: Bumban, 1 mi E: USNM: 2 [2 - **2** - **2**].
18 April 1978: Sierra Leone: Fadugu: USNM: 4 [4 - **4** - **4**].
25 April 1978: Sierra Leone: Hanjama, 1 mi [= 1.6 km] W: USNM: 29 [29] - Hanjama, 1 mi S: USNM: 1 [1 - **30** - **30**].
26 April 1978: Sierra Leone: Segbwema: USNM: 6 [6] - Segbwemba: USNM: 2 [2 - **8** - **8**].
4 May 1978: Sierra Leone: Segbwema: USNM: 7 [7] - Segbwemba: USNM: 1 [1 - **8** - **8**].

16 May 1978: Sierra Leone: Konia, 5 mi SE: USNM: 1 [1 - **1** - **1**].
1 June 1978: Sierra Leone: Segbwema, 1 mi [= 1.6 km]SE: USNM: 44 [44 - **44** - **44**].
16 June 1978: Sierra Leone: Yengewa, 0.5 mi E: USNM: 2 [2 - **2** - **2**].
7 July 1978: Sierra Leone: Panguma, 10 mi [=16 km]N: USNM: 2 [2] - Panguma, 10 mi N: USNM: 3 [3 - **5** - **5**].
12 July 1978: Sierra Leone: Panguma, 10 mi N: USNM: 2 [2 - **2** - **2**].
18 August 1978: Sierra Leone: Fadugu: USNM: 1 [1 - **1** - **1**].
25 September 1978: Sierra Leone: Serabu: USNM: 3 [3 - **3** - **3**].
17 October 1978: Sierra Leone: Panguma, 10 mi [=16 km]N: USNM: 1 [1] - Panguma, 10 mi N: USNM: 2 [2 - **3** - **3**].
18 October 1978: Sierra Leone: Panguma, 10 mi N: USNM: 2 [2 - **2** - **2**].
22 October 1978: Sierra Leone: Panguma, 10 mi N: USNM: 2 [2 - **2** - **2**].
23 October 1978: Sierra Leone: Panguma, 10 mi N: USNM: 1 [1 - **1** - **1**].
24 October 1978: Sierra Leone: Panguma, 10 mi N: USNM: 3 [3 - **3** - **3**].
25 October 1978: Sierra Leone: Panguma, 10 mi N: USNM: 1 [1 - **1** - **1**].
15 December 1978: Sierra Leone: Yengema: USNM: 17 [17 - **17** - **17**].
16 December 1978: Sierra Leone: Panguma, 10 mi [=16 km]N: USNM: 1 [1 - **1** - **1**].
20 January 1979: Sierra Leone: Panguma, 10 mi N: USNM: 1 [1 - **1** - **1**].
22 January 1979: Sierra Leone: Panguma, 10 mi N: USNM: 1 [1 - **1** - **1**].
23 January 1979: Sierra Leone: Panguma, 10 mi N: USNM: 1 [1 - **1** - **1**].
25 January 1979: Sierra Leone: Panguma, 10 mi N: USNM: 2 [2 - **2** - **2**].
27 January 1979: Sierra Leone: Panguma, 10 mi N: USNM: 1 [1 - **1** - **1**].
29 January 1979: Sierra Leone: Panguma, 10 mi N: USNM: 1 [1 - **1** - **1**].
2 February 1980: Sierra Leone: Segbwema: USNM: 1 [1 - **1** - **1**].
6 February 1980: Sierra Leone: Segbwema: USNM: 2 [2 - **2** - **2**].
7 February 1980: Sierra Leone: Segbwema: USNM: 1 [1 - **1** - **1**].
24 February 1980: Sierra Leone: Lalehun: USNM: 1 [1 - **1** - **1**].
27 January 1981: Sierra Leone: Gola Forest Camp: USNM: 14 [14 - **14** - **14**].
28 January 1981: Sierra Leone: Gola Forest Camp: USNM: 8 [8 - **8** - **8**].
30 January 1981: Sierra Leone: Gola Forest Camp: USNM: 1 [1 - **1** - **1**].

Total Specimens for Krebs, John W.: 175

Kristensen, G.

19 January 1912: Ethiopia: Harrar [=Harar]: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Kristensen, G.: 1

Krone

Collection Date Unknown: Cameroon: Victoria: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Krone: 1

Krüger, G.

1 March 1926: Libya: Giarabub Oasis: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Krüger, G.: 1

Kruskop, Sergey V.

19 December 1995: Ethiopia: Harenna Forest: ZMMU: 1 [1 - **1** - **1**].

Total Specimens for Kruskop, Sergey V.: 1

Kubierke, H.

9 January 1988: South Africa: Bredill: TM: 1 [1 - **1** - **1**].

Total Specimens for Kubierke, H.: 1

Kuhn

1 October 1905: Namibia: Karibib: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Kuhn: 1

Kühn

Collection Date Unknown: Namibia: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Kühn: 1

KUL-expedition (Katholieke Universiteit Leuven), The

2 April 1978: Senegal: Ba Foula Bé: RMCA: 2 [2 - **2** - **2**].
3 April 1978: Senegal: Badi: RMCA: 1 [1 - **1** - **1**].
26 December 1980: Senegal: Nieki-Ko: RMCA: 1 [1 - **1** - **1**].
30 December 1980: Senegal: Goulombo: RMCA: 2 [2 - **2** - **2**].
31 December 1980: Senegal: Kounkané: RMCA: 1 [1 - **1** - **1**].

Total Specimens for KUL-expedition (Katholieke Universiteit Leuven), The: 7

Kulzer, Edwin

Collection Date Unknown: Egypt: Cairo: SMF: 4 [4 - **4** - **4**].
17 July 1954: Kenya: Ngombeni [caves]: AMNH: 1 [1 - **1** - **1**].
1 January 1955: Egypt: Cairo: SMF: 4 [4] - Cairo, 20 km S: SMF: 7 [7 - **11** - **11**].
26 September 1955: Egypt: Gizeh: HZM: 1 [1 - **1** - **1**].
26 July 1956: Tanzania: Arusha: SMF: 2 [2] - Ol Donyo Sambu: SMF: 7 [7 - **9** - **9**].
1 January 1959: Egypt: Gizeh: SMF: 1 [1 - **1** - **1**].
1 January 1966: Egypt: Cairo, 20 km S: SMF: 30 [30 - **30** - **30**].

Total Specimens for Kulzer, Edwin: 57

Kunkel, P.

Collection Date Unknown: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
24 March 1963: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
30 May 1963: Congo (Democratic Republic of the): Katana: SMF: 1 [1 - **1** - **1**].
25 June 1963: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
28 June 1963: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
1 July 1963: Congo (Democratic Republic of the): Kivu region: SMF: 2 [2 - **2** - **2**].
22 July 1963: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
1 August 1963: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
13 August 1963: Congo (Democratic Republic of the): Kakondo: SMF: 1 [1 - **1** - **1**].
8 September 1963: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
10 September 1963: Congo (Democratic Republic of the): Kakondo: SMF: 2 [2 - **2** - **2**].
12 September 1963: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
24 September 1963: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
25 September 1963: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
27 September 1963: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
29 September 1963: Congo (Democratic Republic of the): Fomulac-Katana: SMF: 1 [1] - Kivu region: SMF: 3 [3 - **4** - **4**].
30 September 1963: Congo (Democratic Republic of the): Fomulac-Katana: SMF: 1 [1] - Kivu region: SMF: 1 [1 - **2** - **2**].
1 October 1963: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
2 October 1963: Congo (Democratic Republic of the): Fomulac-Katana: SMF: 1 [1] - Kivu region: SMF: 1 [1 - **2** - **2**].
3 October 1963: Congo (Democratic Republic of the): Fomulac-Katana: SMF: 1 [1 - **1** - **1**].
23 November 1963: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
8 March 1964: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
11 March 1964: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
16 March 1964: Congo (Democratic Republic of the): Irangi: SMF: 1 [1] - Kivu region: SMF: 1 [1 - **2** - **2**].
28 May 1964: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
2 June 1964: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
4 June 1964: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
10 July 1964: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
19 July 1964: Congo (Democratic Republic of the): Kivu: SMF: 1 [1 - **1** - **1**].
17 August 1964: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
24 December 1964: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
1 January 1965: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
22 June 1965: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
1 July 1965: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
16 October 1965: Congo (Democratic Republic of the): Kahuzi: SMF: 1 [1 - **1** - **1**].
23 October 1965: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
28 October 1965: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
20 December 1965: Congo (Democratic Republic of the): Lwiro: SMF: 1 [1 - **1** - **1**].
20 April 1966: Congo (Democratic Republic of the): Kahuzi: SMF: 1 [1 - **1** - **1**].
21 April 1966: Congo (Democratic Republic of the): Kahuzi: SMF: 1 [1 - **1** - **1**].

Total Specimens for Kunkel, P.: 48

Kuntz, Robert E.

2 July 1950: Egypt: Wadi Faran: USNM: 4 [4 - **4** - **4**].
5 September 1950: Egypt: Saqqara: USNM: 5 [5 - **5** - **5**].
15 May 1951: Egypt: Gizeh: USNM: 13 [13 - **13** - **13**].
19 June 1951: Egypt: Abu Rawash: USNM: 25 [25 - **25** - **25**].

2 October 1952: Egypt: Wadi el Natroun: USNM: 5 [5 - **5** - **5**].

Total Specimens for Kuntz, Robert E.: 52

Kurta, Allen

Collection Date Unknown: Ethiopia: Unknown locality: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Kurta, Allen: 1

Kuzmin, Ivan V.

Collection Date Unknown: Kenya: Coast province: CDC: 17 [17 - **17** - **17**].

Total Specimens for Kuzmin, Ivan V.: 17

Kverno, Nelson B.

10 November 1979: Comoros: Fomboni, 1 km N: USNM: 1 [1 - **1** - **1**].

Total Specimens for Kverno, Nelson B.: 1

Kyle, R.

Collection Date Unknown: South Africa: Nhlange, Lake: WAM: 10 [10 - **10** - **10**].

Total Specimens for Kyle, R.: 10

Kyongo, Robert N.

Collection Date Unknown: Kenya: Unknown locality: RMNH: 1 [1] - Kichaka Simba: LACM: 9 [9] - Mbero: LACM: 1 [1] - unspecified locality: LACM: 1 [1 - **12** - **12**].
1 May 1953: Egypt: Gizeh: OMNH: 2 [2 - **2** - **2**].
13 July 1968: Kenya: Kivokwe Rock: LACM: 4 [4 - **4** - **4**].
7 August 1968: Kenya: Mbero Rock: LACM: 1 [1] - Mbero Rocks: LACM: 2 [2 - **3** - **3**].
20 April 1969: Kenya: Archer's Post: ROM: 11 [11 - **11** - **11**].
12 July 1969: Kenya: Mbero Rock: LACM: 1 [1 - **1** - **1**].
13 July 1969: Kenya: Kivokwe Rock: LACM: 1 [1] - Mbero Rock: LACM: 2 [2 - **3** - **3**].
15 July 1969: Kenya: Mbero Rock: LACM: 2 [2 - **2** - **2**].
7 August 1969: Kenya: Lake Elementeita: ROM: 1 [1 - **1** - **1**].
19 September 1969: Kenya: Mbero Rock: LACM: 2 [2 - **2** - **2**].
20 January 1970: Kenya: Kalama Hills: LACM: 16 [16 - **16** - **16**].
23 January 1970: Kenya: Mbero Rocks: LACM: 2 [2 - **2** - **2**].
25 January 1970: Kenya: Mbero Rocks: LACM: 3 [3 - **3** - **3**].
26 January 1970: Kenya: Mbero Rocks: LACM: 1 [1 - **1** - **1**].
26 October 1970: Kenya: Ukunda: LACM: 1 [1 - **1** - **1**].
11 April 1972: Kenya: Mwingi: LACM: 1 [1 - **1** - **1**].
27 January 1973: Kenya: Thika, 16 km N: ROM: 1 [1 - **1** - **1**].
1 February 1973: Kenya: Thika, 16 km N: ROM: 1 [1 - **1** - **1**].
5 May 1973: Kenya: Gedeh: LACM: 1 [1 - **1** - **1**].
12 May 1973: Kenya: Mida: LACM: 1 [1 - **1** - **1**].
27 October 1973: Kenya: Kilongo Hills: CUMV: 1 [1 - **1** - **1**].
9 November 1973: Kenya: Mbondoni: CUMV: 1 [1 - **1** - **1**].
10 November 1973: Kenya: Mbondoni: CUMV: 1 [1 - **1** - **1**].
18 April 1975: Kenya: Kyamunyu: CUMV: 1 [1 - **1** - **1**].
1 December 1976: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
4 December 1976: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
5 December 1976: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
6 December 1976: Kenya: Inyokomi: RMNH: 1 [1 - **1** - **1**].
7 December 1976: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
9 February 1977: Kenya: Unknown locality: RMNH: 2 [2 - **2** - **2**].
22 February 1977: Kenya: Unknown locality: RMNH: 12 [12 - **12** - **12**].
23 February 1977: Kenya: Unknown locality: RMNH: 2 [2 - **2** - **2**].
21 March 1977: Kenya: Unknown locality: RMNH: 3 [3 - **3** - **3**].
22 April 1977: Kenya: Unknown locality: RMNH: 8 [8 - **8** - **8**].
23 April 1977: Kenya: Unknown locality: RMNH: 6 [6 - **6** - **6**].
26 April 1977: Kenya: Unknown locality: RMNH: 9 [9 - **9** - **9**].
12 May 1977: Kenya: Muumandu: RMNH: 1 [1 - **1** - **1**].
22 May 1977: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
23 May 1977: Kenya: Unknown locality: RMNH: 2 [2] - Mukanda river: RMNH: 7 [7 - **9** - **9**].
24 May 1977: Kenya: Unknown locality: RMNH: 2 [2] - Mukanda river: RMNH: 9 [9 - **11** - **11**].
25 May 1977: Kenya: Konza: RMNH: 1 [1 - **1** - **1**].
27 May 1977: Kenya: Mukanda river: RMNH: 1 [1] - Shimba Hills Nature Reserve: RMNH: 1 [1 - **2** - **2**].
28 May 1977: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
30 May 1977: Kenya: Unknown locality: RMNH: 7 [7] - Mukanda river: RMNH: 11 [11 - **18** - **18**].

1 June 1977: Kenya: Unknown locality: RMNH: 1 [1] - Mukanda river: RMNH: 1 [1] - Shimba Hills Nature Reserve: RMNH: 2 [2 - **4** - **4**].
23 June 1977: Kenya: Unknown locality: RMNH: 1 [1] - Kiu: RMNH: 1 [1 - **2** - **2**].
26 June 1977: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
19 October 1977: Kenya: Unknown locality: RMNH: 11 [11 - **11** - **11**].
26 November 1977: Kenya: Unknown locality: RMNH: 3 [3] - Muumandu: RMNH: 1 [1 - **4** - **4**].
27 November 1977: Kenya: Unknown locality: RMNH: 2 [2] - Muumandu: RMNH: 4 [4 - **6** - **6**].
28 November 1977: Kenya: Muumandu: RMNH: 1 [1 - **1** - **1**].
29 November 1977: Kenya: Muumandu: RMNH: 1 [1 - **1** - **1**].
9 December 1977: Kenya: Unknown locality: RMNH: 2 [2 - **2** - **2**].
13 December 1977: Kenya: Unknown locality: RMNH: 3 [3] - Kiboko: RMNH: 2 [2 - **5** - **5**].
14 December 1977: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
15 December 1977: Kenya: Unknown locality: RMNH: 9 [9] - Kiboko: RMNH: 1 [1 - **10** - **10**].
16 December 1977: Kenya: Unknown locality: RMNH: 1 [1] - Kiboko: RMNH: 1 [1 - **2** - **2**].
18 June 1978: Kenya: Kyangili: RMNH: 1 [1 - **1** - **1**].
20 July 1978: Kenya: Shimba Hills Nature Reserve: RMNH: 1 [1 - **1** - **1**].
25 July 1978: Kenya: Unknown locality: RMNH: 5 [5] - Mukanda river: RMNH: 3 [3 - **8** - **8**].
26 July 1978: Kenya: Unknown locality: RMNH: 8 [8 - **8** - **8**].
28 July 1978: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
29 July 1978: Kenya: Unknown locality: RMNH: 4 [4] - Shimba Hills Nature Reserve: RMNH: 2 [2 - **6** - **6**].
30 July 1978: Kenya: Unknown locality: RMNH: 2 [2] - Coast [former] province: RMNH: 1 [1] - Shimba Hills Nature Reserve: RMNH: 1 [1 - **4** - **4**].
28 September 1978: Kenya: Shimba Hills Nature Reserve: RMNH: 1 [1 - **1** - **1**].
10 October 1978: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
11 October 1978: Kenya: Unknown locality: RMNH: 9 [9 - **9** - **9**].
12 October 1978: Kenya: Unknown locality: RMNH: 3 [3 - **3** - **3**].
30 October 1978: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
24 January 1979: Kenya: Unknown locality: RMNH: 3 [3 - **3** - **3**].
31 January 1979: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
4 March 1979: Kenya: Unknown locality: RMNH: 5 [5 - **5** - **5**].
5 March 1979: Kenya: Unknown locality: RMNH: 13 [13 - **13** - **13**].
6 March 1979: Kenya: Unknown locality: RMNH: 22 [22 - **22** - **22**].
7 March 1979: Kenya: Unknown locality: RMNH: 28 [28 - **28** - **28**].
8 March 1979: Kenya: Unknown locality: RMNH: 1 [1] - Konza: RMNH: 1 [1 - **2** - **2**].
14 March 1979: Kenya: Unknown locality: RMNH: 18 [18 - **18** - **18**].
15 March 1979: Kenya: Unknown locality: RMNH: 4 [4 - **4** - **4**].
18 March 1979: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].
30 May 1979: Kenya: Unknown locality: RMNH: 30 [30 - **30** - **30**].
2 December 1979: Kenya: Unknown locality: RMNH: 2 [2] - Lukore area: RMNH: 1 [1 - **3** - **3**].
6 December 1979: Kenya: Unknown locality: RMNH: 5 [5 - **5** - **5**].
7 December 1979: Kenya: Unknown locality: RMNH: 3 [3 - **3** - **3**].
11 April 1980: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Kyongo, Robert N.: 397

Kyongo, Robert N.; Williams, A.

28 October 1974: Kenya: Rondo forest: ROM: 1 [1 - **1** - **1**].
6 November 1974: Kenya: Rondo forest: ROM: 1 [1 - **1** - **1**].
13 November 1974: Kenya: Rondo forest: ROM: 1 [1 - **1** - **1**].

Total Specimens for Kyongo, Robert N.; Williams, A.: 3

Laarman, J.J.

Collection Date Unknown: Congo: Unknown locality: RMNH: 1 [1 - **1**].
Congo (Democratic Republic of the): Eastern Congo: RMNH: 1 [1] - How…: RMNH: 1 [1] - Katana: RMNH: 10 [10] - Lwiro: RMNH: 1 [1 - **13** - **14**].
27 September 1953: Congo (Democratic Republic of the): Karambi: RMNH: 1 [1 - **1** - **1**].
1 January 1955: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].
5 January 1955: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].
6 January 1955: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 July 1955: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].
25 July 1955: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 August 1955: Congo (Democratic Republic of the): Lwiro: RMNH: 1 [1 - **1** - **1**].
14 August 1955: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].
23 August 1955: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].
3 October 1955: Congo (Democratic Republic of the): Irangi: RMNH: 2 [2 - **2** - **2**].
14 November 1955: Congo (Democratic Republic of the): Irangi: RMNH: 1 [1 - **1** - **1**].
14 December 1955: Congo (Democratic Republic of the): Irsac labo: RMNH: 1 [1 - **1** - **1**].
1 January 1956: Congo: Unknown locality: RMNH: 57 [57 - **57** - **57**].
6 January 1956: Congo: Unknown locality: RMNH: 2 [2 - **2** - **2**].
7 January 1956: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].
16 January 1956: Congo (Democratic Republic of the): Unknown locality: RMNH: 1 [1] - Kahitumba: RMNH: 9 [9 - **10** - **10**].
8 March 1956: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].

12 March 1956: Congo (Democratic Republic of the): Unknown locality: RMNH: 1 [1 - **1** - **1**].
11 May 1956: Congo (Democratic Republic of the): Lwiro: RMNH: 1 [1 - **1** - **1**].
8 June 1956: Congo: Unknown locality: RMNH: 2 [2 - **2** - **2**].
15 August 1956: Congo (Democratic Republic of the): Irangi: RMNH: 1 [1 - **1** - **1**].
1 October 1956: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].
3 January 1957: Congo (Democratic Republic of the): Irangi: RMNH: 1 [1 - **1** - **1**].
31 January 1957: Congo (Democratic Republic of the): Irangi: RMNH: 1 [1 - **1** - **1**].
11 March 1957: Congo (Democratic Republic of the): Kisala: RMNH: 1 [1 - **1** - **1**].
1 June 1957: Congo: Unknown locality: RMNH: 1 [1 - **1** - **1**].
3 July 1957: Congo (Democratic Republic of the): Kawezi-Uvira road: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Laarman, J.J.: 109

Laatz, I.

17 September 1988: South Africa: Farm Liverpool 202: TM: 1 [1 - **1** - **1**].

Total Specimens for Laatz, I.: 1

Lademann

Collection Date Unknown: Angola: Litambo: ZMB: 5 [5 - **5**].
Congo (Democratic Republic of the): Sombe: ZMB: 1 [1 - **1**].
Tanzania: Mpapua [=Mpwapwa]: ZMB: 1 [1] - Utete: ZMB: 2 [2 - **3** - **9**].
29 November 1912: Tanzania: Lindi: ZMB: 1 [1 - **1** - **1**].
20 January 1914: Namibia: Litembo: ZMB: 5 [5 - **5** - **5**].

Total Specimens for Lademann: 15

Laenen, J.

1 July 1949: Algeria: Ghardaia: FMNH: 2 [2 - **2** - **2**].
18 July 1950: Algeria: Djelfa: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Laenen, J.: 3

Laglaize

Collection Date Unknown: Gabon: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Laglaize: 1

Lake Rudolf Rift Valley Expedition 1934, The

28 April 1934: Kenya: Bat island: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Lake Rudolf Rift Valley Expedition 1934, The: 2

Lambert, R.R.K.

2 March 1975: Tanzania: Ilonga Research and Training Centre: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Lambert, R.R.K.: 1

Lamborn

Collection Date Unknown: Malawi: Karonga: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Lamborn: 2

Lambrecht, F.L.

1 April 1951: Congo (Democratic Republic of the): Uvira: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Lambrecht, F.L.: 1

Lambrechts, A.V.W.

14 March 1968: Lesotho: Fort Hartley, 10 mi NE [=Quthing, 10 mi NE]: USNM: 1 [1 - **1** - **1**].
15 March 1968: Lesotho: Fort Hartley, 10 mi NE [=Quthing, 10 mi NE]: USNM: 16 [16 - **16** - **16**].
23 March 1968: South Africa: Norvalspont: USNM: 6 [6 - **6** - **6**].
19 April 1968: South Africa: Graaff Reinet, 23 mi SE: USNM: 1 [1 - **1** - **1**].
2 June 1968: South Africa: Boegoeberg Dam, 0.5 mi E: USNM: 1 [1 - **1** - **1**].
26 November 1968: South Africa: Kalahari-Gemsbok NP, Nossob Camp: USNM: 1 [1 - **1** - **1**].

25 January 1969: South Africa: Good house Bay: USNM: 12 [12 - **12** - **12**].

Total Specimens for Lambrechts, A.V.W.: 38

Lammers, R.

27 April 1976: Mauritius: Cascade river: SMF: 1 [1 - **1** - **1**].

Total Specimens for Lammers, R.: 1

Lamont, R.A.

Collection Date Unknown: Tanzania: Urambo: BMNH: 5 [5 - **5** - **5**].

Total Specimens for Lamont, R.A.: 5

Lamoral

1 January 1930: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Lamoral: 1

Lamotte, M.

Collection Date Unknown: Côte d'Ivoire: Unknown locality: MNHN: 1 [1 - **1** - **1**].
15 April 1957: Guinea: Zouguépo: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Lamotte, M.: 2

Lampe, E.

Collection Date Unknown: Cameroon: Bibundi: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Lampe, E.: 1

Lancaster, D. Gordon

Collection Date Unknown: Zambia: Chilanga: KM: 2 [2] - Chipata: BMNH: 1, KM: 4 [5] - Fort Jameson district: KM: 2 [2] - Luangwa valley, Lunzi river: BMNH: 1 [1] - Mbala: KM: 1 [1] - Mporokoso: KM: 1 [1] - Nsadzu: BMNH: 1 [1] - Petauke: KM: 1 [1 - **14** - **14**].
1 May 1932: Zambia: Chipata: KM: 1 [1 - **1** - **1**].
1 December 1943: Zambia: Abercorn: KM: 1 [1 - **1** - **1**].
1 May 1944: Zambia: Kituta Bay, LakeTanganyika: KM: 1 [1 - **1** - **1**].

Total Specimens for Lancaster, D. Gordon: 17

Landau, Irène; Chabaud, Alain Gabriel

Collection Date Unknown: Central African Republic: Bangui: MNHN: 1 [1] - La Maboké: MNHN: 1 [1 - **2** - **2**].

Total Specimens for Landau, Irène; Chabaud, Alain Gabriel: 2

Lang, Herbert

16 March 1910: Congo (Democratic Republic of the): Medje: FMNH: 2 [2 - **2** - **2**].
2 May 1910: Congo (Democratic Republic of the): Bafwabaka: FMNH: 1 [1 - **1** - **1**].
8 September 1910: Congo (Democratic Republic of the): Medje: FMNH: 2 [2 - **2** - **2**].
16 November 1910: Congo (Democratic Republic of the): Niangara: FMNH: 1 [1 - **1** - **1**].
6 December 1910: Congo (Democratic Republic of the): Niangara: FMNH: 1 [1 - **1** - **1**].
14 March 1911: Congo (Democratic Republic of the): Faradje: FMNH: 1 [1 - **1** - **1**].
20 February 1913: Congo (Democratic Republic of the): Faradje: FMNH: 2 [2 - **2** - **2**].
1 May 1913: Congo (Democratic Republic of the): Dungu: FMNH: 2 [2 - **2** - **2**].
26 January 1914: Congo (Democratic Republic of the): Avakubi: FMNH: 1 [1 - **1** - **1**].
10 July 1927: South Africa: Hennops River: FMNH: 5 [5 - **5** - **5**].
31 July 1927: South Africa: Wonderboom: FMNH: 1 [1 - **1** - **1**].
15 July 1930: Botswana: Goha Hills: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Lang, Herbert: 20

Lang, Herbert; Boulton, W. Rudyerd (Jr.)

8 January 1925: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].
15 May 1925: Angola: Hanha: AMNH: 1 [1 - **1** - **1**].
16 May 1925: Angola: Hanha: AMNH: 4 [4] - Lobito Bay: AMNH: 1 [1 - **5** - **5**].

17 May 1925: Angola: Hanha: AMNH: 1 [1 - **1** - **1**].
18 May 1925: Angola: Hanha: AMNH: 3 [3 - **3** - **3**].
13 July 1925: Angola: Capelongo: AMNH: 1 [1 - **1** - **1**].
17 July 1925: Angola: Capelongo: AMNH: 1 [1 - **1** - **1**].
20 July 1925: Angola: Capelongo: AMNH: 1 [1 - **1** - **1**].
5 August 1925: Angola: Chitau: AMNH: 2 [2 - **2** - **2**].
6 August 1925: Angola: Chitau: AMNH: 2 [2 - **2** - **2**].
9 August 1925: Angola: Chitau: AMNH: 2 [2 - **2** - **2**].
12 August 1925: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].
6 August 1926: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Lang, Herbert; Boulton, W. Rudyerd (Jr.): 22

Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: AMNH: 6 [6] - Aba: AMNH: 2 [2 - **8** - **8**].
2 July 1905: Congo (Democratic Republic of the): Thysville: AMNH: 2 [2 - **2** - **2**].
2 May 1909: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
2 July 1909: Congo (Democratic Republic of the): Kinshasa: AMNH: 1 [1 - **1** - **1**].
8 July 1909: Congo (Democratic Republic of the): Léopoldville: AMNH: 1 [1 - **1** - **1**].
10 July 1909: Congo (Democratic Republic of the): Léopoldville: AMNH: 1 [1 - **1** - **1**].
8 August 1909: Congo (Democratic Republic of the): Stanleyville: AMNH: 2 [2 - **2** - **2**].
18 August 1909: Congo (Democratic Republic of the): Stanleyville: AMNH: 3 [3 - **3** - **3**].
25 August 1909: Congo (Democratic Republic of the): Stanleyville: AMNH: 5 [5 - **5** - **5**].
5 September 1909: Congo (Democratic Republic of the): Stanleyville: AMNH: 1 [1 - **1** - **1**].
9 September 1909: Congo (Democratic Republic of the): Risimu zone: AMNH: 1 [1] - Stanleyville: AMNH: 1 [1 - **2** - **2**].
29 September 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
1 October 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 1, MCZ: 1 [2 - **2** - **2**].
13 October 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
15 November 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
16 November 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
17 November 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
18 November 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
20 November 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 37, RMCA: 3 [40 - **40** - **40**].
21 November 1909: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
22 November 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 1, MCZ: 1 [2 - **2** - **2**].
24 November 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
27 November 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
28 November 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
1 December 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
2 December 1909: Congo (Democratic Republic of the): Avakubi: AMNH: 3 [3 - **3** - **3**].
14 December 1909: Congo (Democratic Republic of the): M'Gayu: RMCA: 1 [1] - N'Gayu area: AMNH: 3 [3 - **4** - **4**].
17 December 1909: Congo (Democratic Republic of the): M'Gayu: RMCA: 1 [1] - Ngayu: AMNH: 3 [3] - N'Gayu area: AMNH: 3 [3 - **7** - **7**].
18 December 1909: Congo (Democratic Republic of the): N'Gayu area: AMNH: 5 [5 - **5** - **5**].
28 December 1909: Congo (Democratic Republic of the): Bafwaboka: AMNH: 1 [1 - **1** - **1**].
4 January 1910: Congo (Democratic Republic of the): Bafuaboka: AMNH: 3 [3] - Bafwaboka: AMNH: 4 [4 - **7** - **7**].
5 January 1910: Congo (Democratic Republic of the): Bafuaboka: AMNH: 10 [10] - Bafwaboka: AMNH: 5, RMCA: 1 [6 - **16** - **16**].
6 January 1910: Congo (Democratic Republic of the): Bafuaboka: AMNH: 2 [2] - Bafwaboka: AMNH: 1 [1 - **3** - **3**].
7 January 1910: Congo (Democratic Republic of the): Bafuaboka: AMNH: 6 [6] - Bafwaboka: AMNH: 9 [9 - **15** - **15**].
14 January 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
15 January 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
16 January 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
18 January 1910: Congo (Democratic Republic of the): Medje: RMCA: 1 [1 - **1** - **1**].
19 January 1910: Congo (Democratic Republic of the): Medje: AMNH: 2 [2 - **2** - **2**].
20 January 1910: Congo (Democratic Republic of the): Medje: AMNH: 2 [2 - **2** - **2**].
21 January 1910: Congo (Democratic Republic of the): Medje: AMNH: 2 [2 - **2** - **2**].
22 January 1910: Congo (Democratic Republic of the): Medje: AMNH: 4 [4 - **4** - **4**].
24 January 1910: Congo (Democratic Republic of the): Medje: AMNH: 2 [2 - **2** - **2**].
25 January 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
18 February 1910: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
27 February 1910: Congo (Democratic Republic of the): Gamangui: AMNH: 1 [1 - **1** - **1**].
2 March 1910: Congo (Democratic Republic of the): Bafwaboka: AMNH: 1 [1 - **1** - **1**].
6 March 1910: Congo (Democratic Republic of the): Medje: RMCA: 1 [1 - **1** - **1**].
16 March 1910: Congo (Democratic Republic of the): Medje: AMNH: 21 [21 - **21** - **21**].
21 March 1910: Congo (Democratic Republic of the): Medje: AMNH: 2 [2 - **2** - **2**].
23 March 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
26 March 1910: Congo (Democratic Republic of the): Medje: AMNH: 3 [3 - **3** - **3**].
16 April 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
22 April 1910: Congo (Democratic Republic of the): Medje: AMNH: 1, RMCA: 1 [2 - **2** - **2**].
27 April 1910: Congo (Democratic Republic of the): Medje: AMNH: 5 [5 - **5** - **5**].
2 May 1910: Congo (Democratic Republic of the): Bafwaboka: AMNH: 4, RMCA: 1 [5 - **5** - **5**].
6 May 1910: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1] - Faradje: AMNH: 1 [1] - Malela: AMNH: 3 [3 - **5** - **5**].
6 June 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].

26 June 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
27 June 1910: Congo (Democratic Republic of the): Medje: AMNH: 2, RMCA: 1 [3 - **3** - **3**].
3 August 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
3 September 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
6 September 1910: Congo (Democratic Republic of the): Medje: AMNH: 2 [2 - **2** - **2**].
7 September 1910: Congo (Democratic Republic of the): Medje: AMNH: 5 [5 - **5** - **5**].
8 September 1910: Congo (Democratic Republic of the): Medje: AMNH: 39, BMNH: 1, RMCA: 2 [42 - **42** - **42**].
12 September 1910: Congo (Democratic Republic of the): Medje: RMCA: 1 [1 - **1** - **1**].
14 September 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
15 September 1910: Congo (Democratic Republic of the): Medje: AMNH: 3 [3 - **3** - **3**].
16 September 1910: Congo (Democratic Republic of the): Medje: AMNH: 3, RMCA: 1 [4 - **4** - **4**].
2 October 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
7 October 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1] - Niangara: AMNH: 1 [1 - **2** - **2**].
11 October 1910: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
11 November 1910: Congo (Democratic Republic of the): Niangara: AMNH: 3 [3 - **3** - **3**].
14 November 1910: Congo (Democratic Republic of the): Niangara: AMNH: 6, RMCA: 1 [7 - **7** - **7**].
16 November 1910: Congo (Democratic Republic of the): Niangara: AMNH: 3, FMNH: 1, RMCA: 1 [5 - **5** - **5**].
18 November 1910: Congo (Democratic Republic of the): Niangara: AMNH: 2 [2 - **2** - **2**].
19 November 1910: Congo (Democratic Republic of the): Niangara: AMNH: 1 [1 - **1** - **1**].
20 November 1910: Congo (Democratic Republic of the): Niangara: AMNH: 1 [1 - **1** - **1**].
25 November 1910: Congo (Democratic Republic of the): Niangara: AMNH: 1 [1 - **1** - **1**].
26 November 1910: Congo (Democratic Republic of the): Niangara: AMNH: 3 [3 - **3** - **3**].
3 December 1910: Congo (Democratic Republic of the): Niangara: AMNH: 1 [1 - **1** - **1**].
6 December 1910: Congo (Democratic Republic of the): Niangara: AMNH: 3 [3 - **3** - **3**].
10 December 1910: Congo (Democratic Republic of the): Niangara: AMNH: 1 [1 - **1** - **1**].
12 December 1910: Congo (Democratic Republic of the): Aba: AMNH: 5 [5] - Niangara: AMNH: 9, FMNH: 2 [11 - **16** - **16**].
16 December 1910: Congo (Democratic Republic of the): Niangara: AMNH: 1 [1 - **1** - **1**].
26 December 1910: Congo (Democratic Republic of the): Niangara: AMNH: 7 [7 - **7** - **7**].
27 December 1910: Congo (Democratic Republic of the): Niangara: AMNH: 2 [2 - **2** - **2**].
13 January 1911: Congo (Democratic Republic of the): Aba: AMNH: 1 [1 - **1** - **1**].
6 February 1911: Congo (Democratic Republic of the): Faradje: RMCA: 1 [1 - **1** - **1**].
18 February 1911: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
21 February 1911: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
25 February 1911: Congo (Democratic Republic of the): Faradje: AMNH: 2, RMCA: 1 [3 - **3** - **3**].
1 March 1911: Congo (Democratic Republic of the): Faradje: AMNH: 6 [6 - **6** - **6**].
2 March 1911: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
7 March 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
14 March 1911: Congo (Democratic Republic of the): Faradje: AMNH: 8 [8 - **8** - **8**].
15 March 1911: Congo (Democratic Republic of the): Faradje: AMNH: 7, RMCA: 1 [8 - **8** - **8**].
25 March 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
29 March 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
30 March 1911: Congo (Democratic Republic of the): Faradje: AMNH: 5, RMCA: 1 [6] - Thysville: AMNH: 1 [1 - **7** - **7**].
1 April 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
4 April 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
7 April 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
11 April 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
23 April 1911: Congo (Democratic Republic of the): Faradje: AMNH: 3 [3 - **3** - **3**].
26 April 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
17 May 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
20 May 1911: Congo (Democratic Republic of the): Faradje: AMNH: 4, MCZ: 1 [5 - **5** - **5**].
28 May 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
7 June 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1, RMCA: 1 [2 - **2** - **2**].
2 July 1911: Congo (Democratic Republic of the): Faradje: RMCA: 1 [1 - **1** - **1**].
11 July 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
2 August 1911: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
8 August 1911: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
5 September 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
25 September 1911: Congo (Democratic Republic of the): Faradje: RMCA: 1 [1 - **1** - **1**].
26 October 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
3 November 1911: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1] - Yakuluku: AMNH: 1 [1 - **2** - **2**].
5 November 1911: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
6 November 1911: Congo (Democratic Republic of the): Faradje: AMNH: 11 [11 - **11** - **11**].
15 November 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
20 November 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
22 November 1911: Congo (Democratic Republic of the): Faradje: AMNH: 4, RMCA: 1 [5 - **5** - **5**].
24 November 1911: Congo (Democratic Republic of the): Faradje: AMNH: 3 [3 - **3** - **3**].
3 December 1911: Congo (Democratic Republic of the): Aba: RMCA: 1 [1 - **1** - **1**].
13 December 1911: Congo (Democratic Republic of the): Aba: AMNH: 49, RMCA: 2 [51 - **51** - **51**].
15 December 1911: Congo (Democratic Republic of the): Aba: AMNH: 9, RMCA: 1 [10 - **10** - **10**].
16 December 1911: Congo (Democratic Republic of the): Aba: AMNH: 33, RMCA: 3 [36 - **36** - **36**].
17 December 1911: Congo (Democratic Republic of the): Aba: AMNH: 27, RMCA: 2 [29 - **29** - **29**].
18 December 1911: Congo (Democratic Republic of the): Aba: AMNH: 4 [4 - **4** - **4**].
23 December 1911: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
1 January 1912: Congo (Democratic Republic of the): Faradje: AMNH: 3 [3 - **3** - **3**].
2 January 1912: Congo (Democratic Republic of the): Faradje: AMNH: 5, RMCA: 1 [6 - **6** - **6**].
18 February 1912: Congo (Democratic Republic of the): Faradje: AMNH: 3 [3] - Faradje territory: AMNH: 1 [1 - **4** - **4**].

23 February 1912: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
25 February 1912: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
1 March 1912: Congo (Democratic Republic of the): Faradje: AMNH: 3 [3 - **3** - **3**].
5 March 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
6 March 1912: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
7 March 1912: Congo (Democratic Republic of the): Faradje: AMNH: 6 [6 - **6** - **6**].
9 March 1912: Congo (Democratic Republic of the): Faradje: AMNH: 5, MCZ: 1 [6 - **6** - **6**].
14 March 1912: Congo (Democratic Republic of the): Garamba National Park: AMNH: 1 [1 - **1** - **1**].
15 March 1912: Congo (Democratic Republic of the): Garamba National Park: AMNH: 1 [1 - **1** - **1**].
26 March 1912: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
17 April 1912: Congo (Democratic Republic of the): Vankerkhovenville: AMNH: 1 [1 - **1** - **1**].
18 April 1912: Congo (Democratic Republic of the): Vankerkhovenville: AMNH: 4 [4 - **4** - **4**].
21 May 1912: Congo (Democratic Republic of the): Faradje: AMNH: 3 [3 - **3** - **3**].
1 June 1912: Congo (Democratic Republic of the): Garamba National Park: AMNH: 1 [1 - **1** - **1**].
16 September 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
29 September 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
14 October 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
21 October 1912: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
22 October 1912: Congo (Democratic Republic of the): Faradje: AMNH: 4 [4 - **4** - **4**].
24 October 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
25 October 1912: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
4 November 1912: Congo (Democratic Republic of the): Yakuluku: AMNH: 1 [1 - **1** - **1**].
5 November 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
11 November 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
12 November 1912: Congo (Democratic Republic of the): Faradje: AMNH: 3 [3 - **3** - **3**].
13 November 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
28 November 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
2 December 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
3 December 1912: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
5 December 1912: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
7 December 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
15 December 1912: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
16 December 1912: Congo (Democratic Republic of the): Faradje: AMNH: 2, MCZ: 1 [3 - **3** - **3**].
17 December 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
29 December 1912: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
5 January 1913: Congo (Democratic Republic of the): Faradje: AMNH: 1, MCZ: 1 [2 - **2** - **2**].
12 January 1913: Congo (Democratic Republic of the): Faradje: AMNH: 2 [2 - **2** - **2**].
13 January 1913: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
20 February 1913: Congo (Democratic Republic of the): Faradje: AMNH: 23, MCZ: 1, RMCA: 1 [25 - **25** - **25**].
1 March 1913: Congo (Democratic Republic of the): Dungu: AMNH: 8, MCZ: 1, RMCA: 1 [10 - **10** - **10**].
26 March 1913: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
27 March 1913: Congo (Democratic Republic of the): Niangara: AMNH: 3 [3 - **3** - **3**].
27 May 1913: Congo (Democratic Republic of the): Niangara: AMNH: 3 [3 - **3** - **3**].
31 May 1913: Congo (Democratic Republic of the): Niangara: AMNH: 1 [1 - **1** - **1**].
2 June 1913: Congo (Democratic Republic of the): Niangara: AMNH: 1 [1 - **1** - **1**].
20 June 1913: Congo (Democratic Republic of the): Niangara: AMNH: 1 [1 - **1** - **1**].
3 July 1913: Congo (Democratic Republic of the): Isiro: AMNH: 1 [1 - **1** - **1**].
28 July 1913: Congo (Democratic Republic of the): Rungu: AMNH: 1 [1 - **1** - **1**].
1 August 1913: Congo (Democratic Republic of the): Poko: AMNH: 1 [1 - **1** - **1**].
22 August 1913: Congo (Democratic Republic of the): Poko: AMNH: 1 [1 - **1** - **1**].
30 August 1913: Congo (Democratic Republic of the): Poko: AMNH: 2 [2] - Poko zone: AMNH: 1 [1 - **3** - **3**].
1 September 1913: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
9 September 1913: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
24 September 1913: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
1 October 1913: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
5 October 1913: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
7 October 1913: Congo (Democratic Republic of the): Akenge: AMNH: 2 [2 - **2** - **2**].
14 October 1913: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
5 November 1913: Congo (Democratic Republic of the): Faradje: AMNH: 1 [1 - **1** - **1**].
2 December 1913: Congo (Democratic Republic of the): Niapu: AMNH: 1 [1 - **1** - **1**].
4 December 1913: Congo (Democratic Republic of the): Niapu: AMNH: 2 [2 - **2** - **2**].
10 December 1913: Congo (Democratic Republic of the): Avakubi: AMNH: 1, MCZ: 1 [2 - **2** - **2**].
15 December 1913: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
23 December 1913: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
28 December 1913: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
15 January 1914: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
17 January 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
24 January 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
27 January 1914: Congo (Democratic Republic of the): Niapu: AMNH: 9 [9 - **9** - **9**].
28 January 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1] - Niapu: AMNH: 2 [2 - **3** - **3**].
13 February 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
21 February 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
24 February 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
26 February 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
27 February 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1] - Niapu: MCZ: 1 [1 - **2** - **2**].
28 February 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].

1 March 1914: Congo (Democratic Republic of the): Medje: AMNH: 2 [2 - **2** - **2**].
3 March 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
5 March 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
6 March 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 2 [2 - **2** - **2**].
11 March 1914: Congo (Democratic Republic of the): Medje: AMNH: 2 [2 - **2** - **2**].
14 March 1914: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
19 March 1914: Congo (Democratic Republic of the): Medje: AMNH: 2 [2 - **2** - **2**].
22 March 1914: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
27 March 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
4 April 1914: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
7 April 1914: Congo (Democratic Republic of the): Medje: AMNH: 1, RMCA: 1 [2 - **2** - **2**].
14 April 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
21 April 1914: Congo (Democratic Republic of the): Penge: AMNH: 1 [1 - **1** - **1**].
28 April 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
7 May 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
11 May 1914: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
12 May 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
13 May 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
14 May 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
15 May 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 3 [3 - **3** - **3**].
16 May 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
18 May 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
20 May 1914: Congo (Democratic Republic of the): Medje: AMNH: 2 [2 - **2** - **2**].
22 May 1914: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
23 May 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
27 May 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
28 May 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
5 June 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 5 [5 - **5** - **5**].
17 June 1914: Congo (Democratic Republic of the): Medje: AMNH: 1 [1 - **1** - **1**].
15 August 1914: Congo (Democratic Republic of the): Avakubi: RMCA: 1 [1 - **1** - **1**].
18 September 1914: Congo (Democratic Republic of the): Panga: AMNH: 1 [1 - **1** - **1**].
10 December 1914: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
16 December 1914: Congo (Democratic Republic of the): Stanleyville: AMNH: 1 [1 - **1** - **1**].
22 December 1914: Congo (Democratic Republic of the): Kinshasa: AMNH: 2 [2 - **2** - **2**].
1 January 1915: Congo (Democratic Republic of the): Stanleyville: AMNH: 1 [1 - **1** - **1**].
25 January 1915: Congo (Democratic Republic of the): Boma: AMNH: 1 [1 - **1** - **1**].
26 January 1915: Congo (Democratic Republic of the): Boma: AMNH: 1 [1 - **1** - **1**].
27 January 1915: Congo (Democratic Republic of the): Boma: AMNH: 3 [3 - **3** - **3**].
29 January 1915: Congo (Democratic Republic of the): Boma: AMNH: 1 [1 - **1** - **1**].
10 February 1915: Congo (Democratic Republic of the): Cape Lopez: AMNH: 1 [1 - **1** - **1**].
28 February 1915: Congo (Democratic Republic of the): Avakubi: AMNH: 1 [1 - **1** - **1**].
4 May 1915: Congo (Democratic Republic of the): Stanleyville: AMNH: 1 [1 - **1** - **1**].
2 June 1915: Congo (Democratic Republic of the): Thysville: AMNH: 8, MCZ: 1 [9 - **9** - **9**].
15 June 1915: Congo (Democratic Republic of the): Boma: AMNH: 1 [1 - **1** - **1**].
21 June 1915: Congo (Democratic Republic of the): Thysville: AMNH: 1 [1 - **1** - **1**].
1 July 1915: Congo (Democratic Republic of the): Stanleyville: AMNH: 1 [1 - **1** - **1**].
8 July 1915: Congo (Democratic Republic of the): Malela: AMNH: 20, MCZ: 2 [22 - **22** - **22**].

Total Specimens for Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: 840

Lang, Herbert; Chapman; Loveridge, Arthur

25 June 1917: Tanzania: Morogoro: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Lang, Herbert; Chapman; Loveridge, Arthur: 2

Lang, Herbert; Vernay Expedition, The

Collection Date Unknown: Botswana: Chobe-NP, Goho Hills: TM: 1 [1 - **1** - **1**].
2 May 1930: Namibia: Gemsbok Pan: TM: 1 [1 - **1** - **1**].
5 May 1930: Botswana: Maun: FMNH: 1 [1 - **1** - **1**].
28 May 1930: Botswana: Maun: FMNH: 2 [2 - **2** - **2**].
29 May 1930: Botswana: Maun: FMNH: 3 [3 - **3** - **3**].
31 May 1930: Botswana: Maun: FMNH: 2 [2 - **2** - **2**].
4 June 1930: Botswana: Chobe-NP, Mababe Flats: FMNH: 1 [1] - Maun: FMNH: 1 [1 - **2** - **2**].
7 June 1930: Botswana: Chobe-NP, north of Tsotsoroga Pan, Zweizwe [= Zweizwi River] Waterhole: FMNH: 1 [1 - **1** - **1**].
15 July 1930: "Africa": Goho Hills: TM: 1 [1 - **1** - **1**].
1 August 1930: Botswana: N'kata: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Lang, Herbert; Vernay Expedition, The: 15

Lang, Herbert; Vernay Kalahari Expedition, The

28 May 1930: Botswana: Maun: TM: 1 [1 - **1** - **1**].
30 May 1930: Botswana: Maun: AMNH: 1 [1 - **1** - **1**].

4 June 1930: Botswana: Maun: TM: 1 [1 - **1** - **1**].

Total Specimens for Lang, Herbert; Vernay Kalahari Expedition, The: 3

Langan, Esther M.

6 June 2013: South Sudan: Yambio, FFI: USNM: 1 [1 - **1** - **1**].
7 June 2013: South Sudan: Namaku Boma: USNM: 2 [2 - **2** - **2**].

Total Specimens for Langan, Esther M.: 3

Lange, K.L.

Collection Date Unknown: Madagascar: Montagne d'Ambre: USNM: 6 [6 - **6** - **6**].
4 September 1962: Madagascar: Andreba, Railroad Station: USNM: 1 [1 - **1** - **1**].
5 September 1962: Madagascar: Andreba [railroad station]: USNM: 17 [17 - **17** - **17**].
30 September 1962: Madagascar: Didy, 7 km N: USNM: 1 [1 - **1** - **1**].
3 November 1962: Madagascar: Andraina, 2 km W: USNM: 5 [5 - **5** - **5**].
7 December 1962: Madagascar: Tisihombe: USNM: 6 [6] - Tsihombe: USNM: 6 [6 - **12** - **12**].
22 December 1962: Madagascar: Betroka: USNM: 1 [1 - **1** - **1**].
11 March 1963: Madagascar: Ampijoroa: USNM: 36 [36 - **36** - **36**].
22 March 1963: Madagascar: Hellville: USNM: 1 [1 - **1** - **1**].
24 March 1963: Madagascar: Hellville: USNM: 1 [1 - **1** - **1**].
26 March 1963: Madagascar: Ambanja, 6 km SE: USNM: 17 [17 - **17** - **17**].
27 March 1963: Madagascar: Ambanja, 6 km SE: USNM: 4 [4 - **4** - **4**].
28 March 1963: Madagascar: Ambanja: USNM: 3 [3] - Ambanja, 6 km SE: USNM: 8 [8 - **11** - **11**].
2 April 1963: Madagascar: Joffreville, 6 mi S: USNM: 8 [8] - Montagne d'Ambre: USNM: 1 [1 - **9** - **9**].
7 April 1963: Madagascar: Joffreville: USNM: 1 [1 - **1** - **1**].
10 April 1963: Madagascar: Diego-Suarez, 36 km S: USNM: 1 [1 - **1** - **1**].
3 May 1963: Madagascar: Périnet, 3 km E: USNM: 2 [2 - **2** - **2**].

Total Specimens for Lange, K.L.: 126

Langheld

Collection Date Unknown: Tanzania: Bagamoyo: ZMB: 4 [4] - Mohorro [=Mohoro plantation]: ZMB: 1 [1 - **5** - **5**].

Total Specimens for Langheld: 5

Langridge, William ("Bill")
(1911 -)

16 February 1963: Kenya: Kedong Valley: ROM: 1 [1] - Mount Suswa: USNM: 3 [3] - Mount Suswa cave: USNM: 1 [1 - **5** - **5**].
20 March 1963: Kenya: Mount Suswa: USNM: 2 [2 - **2** - **2**].
31 July 1965: Kenya: Homa Bay county: WNMU: 1 [1 - **1** - **1**].

Total Specimens for Langridge, William ("Bill"): 8

Lantz, M.

Collection Date Unknown: Réunion: Réunion Island: MNHN: 3 [3 - **3** - **3**].

Total Specimens for Lantz, M.: 3

Lanz

Collection Date Unknown: Seychelles: Mahe Island: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Lanz: 1

Lanza, Benedetto Giuseppe Antonio
(24 May 1924: Florence - 10 March 2016: Florence)

25 April 1968: Somalia: Giohar: MZUF: 1 [1 - **1** - **1**].
3 November 1968: Kenya: Kilifi: MZUF: 1 [1 - **1** - **1**].

Total Specimens for Lanza, Benedetto Giuseppe Antonio: 2

Lanza, Benedetto Giuseppe Antonio; Azzaroli Puccetti, Maria E.

10 July 1974: Somalia: Galgalo Oase: MZUF: 15 [15 - **15** - **15**].

Total Specimens for Lanza, Benedetto Giuseppe Antonio; Azzaroli Puccetti, Maria E.: 15

Largen, Clark

9 March 1971: Ethiopia: Yavello, 25 km N: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Largen, Clark: 1

Largen, M.J.

Collection Date Unknown: Ethiopia: Arba Minch: SMF: 1 [1] - Bahadu: BMNH: 1 [1] - Bulcha Forest: BMNH: 5 [5] - Didessa river bridge: BMNH: 2 [2] - Gambela: BMNH: 1 [1] - Langano, W coast lake: BMNH: 1 [1 - **11** - **11**].
1 January 1969: Ethiopia: Abiata, Lake, E coast: SMF: 1 [1 - **1** - **1**].
25 May 1969: Ethiopia: Abella: BMNH: 1 [1 - **1** - **1**].
8 July 1969: Ethiopia: Rudolf, lake, 10 km NE: BMNH: 1 [1 - **1** - **1**].
13 August 1969: Ethiopia: Abaya, lake, West bank: BMNH: 1 [1 - **1** - **1**].
13 December 1969: Ethiopia: Bulcha Forest: BMNH: 3 [3 - **3** - **3**].
13 February 1970: Ethiopia: Gambela: BMNH: 1 [1 - **1** - **1**].
1 March 1970: Ethiopia: Didessa River: BMNH: 10 [10] - Didessa river bridge: BMNH: 1 [1 - **11** - **11**].
17 October 1970: Ethiopia: Abiata, Lake, E coast: BMNH: 2 [2 - **2** - **2**].
21 October 1970: Ethiopia: Abiata, Lake, E coast: BMNH: 2 [2 - **2** - **2**].
27 October 1970: Ethiopia: Abiata, Lake, E coast: BMNH: 1 [1 - **1** - **1**].
20 January 1971: Ethiopia: Bahadu: BMNH: 4 [4 - **4** - **4**].
5 March 1971: Ethiopia: Koka: SMF: 2 [2 - **2** - **2**].
18 March 1971: Ethiopia: Koka: SMF: 1 [1 - **1** - **1**].
2 April 1971: Ethiopia: Koka: SMF: 1 [1 - **1** - **1**].
3 May 1971: Ethiopia: Bahadu: SMF: 21 [21 - **21** - **21**].
7 May 1971: Ethiopia: Bahadu: ZMA: 1 [1 - **1** - **1**].
28 July 1971: Ethiopia: Gambela: SMF: 1 [1 - **1** - **1**].
23 August 1972: Ethiopia: Pokwo: SMF: 2 [2 - **2** - **2**].
22 September 1974: Ethiopia: Abaya, lake, West bank: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Largen, M.J.: 69

Largen, P.M.J.

10 April 1972: Ethiopia: Mui: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Largen, P.M.J.: 1

Larson, Thomas ("Tom")

Collection Date Unknown: Botswana: Maun: AMNH: 1 [1] - Mohembo: MVZ: 2 [2] - Molepolole: MVZ: 16 [16 - **19**].
South Africa: Unknown locality: AMNH: 9 [9 - **9**].
Zambia: Luanshya: AMNH: 1 [1 - **1** - **29**].
22 April 1920: Botswana: Molepolole: MVZ: 1 [1 - **1** - **1**].
21 August 1947: South Africa: Maitland mine: MVZ: 22 [22 - **22** - **22**].
26 August 1947: South Africa: Amanzi Estate: MVZ: 1 [1 - **1** - **1**].
29 August 1947: South Africa: St. George's Park: MVZ: 3 [3 - **3** - **3**].
31 August 1947: South Africa: Maitland mine: MVZ: 5 [5 - **5** - **5**].
1 September 1947: South Africa: St. George's Park: MVZ: 1 [1 - **1** - **1**].
9 September 1947: South Africa: Pickford Farm: MVZ: 2 [2 - **2** - **2**].
27 September 1947: South Africa: Klein Namaqualand, Garies: MVZ: 4 [4 - **4** - **4**].
18 November 1947: Namibia: Oshikango: MVZ: 15 [15 - **15** - **15**].
7 December 1947: Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: MVZ: 9 [9 - **9** - **9**].
11 December 1947: Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: MVZ: 2 [2 - **2** - **2**].
12 December 1947: Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: MVZ: 1 [1 - **1** - **1**].
13 December 1947: Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: MVZ: 1 [1 - **1** - **1**].
25 December 1947: Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: MVZ: 1 [1 - **1** - **1**].
4 January 1948: Namibia: Hohewarte Farm: MVZ: 22 [22 - **22** - **22**].
23 January 1948: Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: MVZ: 2 [2 - **2** - **2**].
28 February 1948: South Africa: Vrede Farm: MVZ: 1 [1 - **1** - **1**].
14 March 1948: South Africa: Gladysvale Farm: MVZ: 16 [16 - **16** - **16**].
16 March 1948: South Africa: Gladysvale Farm: MVZ: 9 [9 - **9** - **9**].
27 March 1948: South Africa: Gladysvale Farm: AMNH: 3, MVZ: 2 [5 - **5** - **5**].
10 May 1948: South Africa: Mathae Ranch: MVZ: 8 [8 - **8** - **8**].
17 May 1948: Mozambique: Maputo, 2 mi [= 3.2 km] N: MVZ: 9 [9 - **9** - **9**].
29 June 1948: South Africa: Nico Smith Farm, 20 mi W Port Elizabeth: AMNH: 1 [1 - **1** - **1**].
2 August 1948: South Africa: Nico Smith Farm, 20 mi W Port Elizabeth: MVZ: 3 [3 - **3** - **3**].
9 August 1948: South Africa: Nico Smith Farm, 20 mi W Port Elizabeth: MVZ: 7 [7 - **7** - **7**].
23 November 1948: Zambia: Luanshya: AMNH: 1 [1 - **1** - **1**].
20 December 1948: Zambia: Luanshya: AMNH: 1 [1 - **1** - **1**].
17 January 1949: Zambia: Luanshya: AMNH: 1 [1 - **1** - **1**].
19 January 1949: Zambia: Luanshya: AMNH: 1, MVZ: 13 [14 - **14** - **14**].
21 January 1949: Zambia: Luanshya: AMNH: 2, MVZ: 10 [12] - Mufulira: AMNH: 1 [1 - **13** - **13**].
26 April 1949: South Africa: van Staaden River Pass, 26 mi W. Port Elizabeth: AMNH: 2 [2 - **2** - **2**].
1 July 1949: South Africa: Nico Smith Farm, 20 mi W Port Elizabeth: AMNH: 2 [2 - **2** - **2**].

21 July 1949: South Africa: Mine at Nababeep: AMNH: 26 [26] - Nababeep mine: MVZ: 12 [12 - **38** - **38**].
29 July 1949: South Africa: Nico Smith Farm, 20 mi W Port Elizabeth: MVZ: 3 [3 - **3** - **3**].
5 December 1949: South Africa: King William's Town: AMNH: 1 [1 - **1** - **1**].
30 April 1950: Botswana: Molepolole: MVZ: 1 [1 - **1** - **1**].
7 May 1950: Botswana: Molepolole: AMNH: 1 [1 - **1** - **1**].
12 May 1950: Botswana: Molepolole: AMNH: 13, MVZ: 5 [18 - **18** - **18**].
15 May 1950: Botswana: Molepolole: AMNH: 2 [2 - **2** - **2**].
16 June 1950: Botswana: Molepolole: MVZ: 1 [1 - **1** - **1**].
25 June 1950: Botswana: Molepolole: MVZ: 1 [1 - **1** - **1**].
26 June 1950: Botswana: Molepolole: MVZ: 2 [2 - **2** - **2**].
27 June 1950: Botswana: Molepolole: MVZ: 3 [3 - **3** - **3**].
18 July 1950: Botswana: Molepolole: MVZ: 1 [1 - **1** - **1**].
13 September 1950: Botswana: Maun: AMNH: 1 [1 - **1** - **1**].
26 September 1950: Botswana: Maun: AMNH: 62, KU: 2, MVZ: 10 [74 - **74** - **74**].
28 September 1950: Botswana: Maun: AMNH: 1 [1 - **1** - **1**].
5 October 1950: Botswana: Shakawe: AMNH: 1 [1 - **1** - **1**].
10 October 1950: Botswana: Molepolole: AMNH: 1 [1] - Shakawe: KU: 1 [1 - **2** - **2**].
20 October 1950: Botswana: Maun: AMNH: 1 [1 - **1** - **1**].
25 November 1950: Botswana: Shakawe: AMNH: 3 [3 - **3** - **3**].
29 November 1950: Botswana: Maun: AMNH: 1 [1 - **1** - **1**].
1 December 1950: Botswana: Mohembo: AMNH: 2 [2 - **2** - **2**].
9 December 1950: Botswana: Mohembo: AMNH: 10, KU: 4 [14 - **14** - **14**].
12 May 1951: Botswana: Livingstone Cave: AMNH: 4 [4] - Molepolole: AMNH: 30 [30 - **34** - **34**].
27 June 1951: Botswana: Livingstone Cave: AMNH: 2 [2 - **2** - **2**].
5 February 1969: Botswana: Ngamiland: AMNH: 1 [1] - Shakawe: AMNH: 18 [18] - Shakawe, near: AMNH: 7 [7 - **26** - **26**].
8 December 1979: South Africa: King Williamstown: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Larson, Thomas ("Tom"): 449

Larsus, R.

30 January 1981: South Africa: Westville: TM: 11 [11 - **11** - **11**].

Total Specimens for Larsus, R.: 11

Lataste collection, The

Collection Date Unknown: France: St. Paterna: MNHN: 1 [1 - **1**].
Senegal: Bakel: BMNH: 1 [1 - **1**].
Tunisia: Nefzaoua: MNHN: 2 [2 - **2** - **4**].
1 January 1880: Algeria: Laghouat: MNHN: 1 [1] - Ouargla: MNHN: 1 [1 - **2** - **2**].

Total Specimens for Lataste collection, The: 6

Lataste, Fernand

8 April 1880: Algeria: Ouargla: BMNH: 1, MSNG: 1 [2 - **2** - **2**].

Total Specimens for Lataste, Fernand: 2

Laudisoit, Anne; *et al.*

20 October 2015: Congo (Democratic Republic of the): Rethy: UNIKIS: 2 [2 - **2** - **2**].
22 October 2015: Congo (Democratic Republic of the): Rethy: UNIKIS: 1 [1 - **1** - **1**].
23 October 2015: Congo (Democratic Republic of the): Rethy: UNIKIS: 5 [5 - **5** - **5**].

Total Specimens for Laudisoit, Anne; *et al.*: 8

Laumanns, Michael

11 December 2004: Rwanda: Ubuvumo lava hole: SMF: 1 [1 - **1** - **1**].

Total Specimens for Laumanns, Michael: 1

Laurent

30 January 1950: Congo (Democratic Republic of the): Katshungu: RMCA: 3 [3 - **3** - **3**].
4 May 1950: Congo (Democratic Republic of the): Uvira: RMCA: 1 [1 - **1** - **1**].
28 August 1950: Congo (Democratic Republic of the): Lubuka cave: RMCA: 2 [2 - **2** - **2**].
29 January 1952: Burundi: Nyanza territory: RMCA: 1 [1 - **1** - **1**].
11 March 1952: Burundi: Nyankende: RMCA: 1 [1 - **1** - **1**].
19 March 1952: Burundi: Ruyigi: RMCA: 1 [1 - **1** - **1**].
1 April 1952: Rwanda: Astrida: RMCA: 1 [1 - **1** - **1**].
16 October 1952: Rwanda: Tshyohaha, lake: RMCA: 1 [1 - **1** - **1**].
1 August 1954: Congo (Democratic Republic of the): Lwiro Katana: RMCA: 1 [1 - **1** - **1**].

24 May 1956: Burundi: Bururi: RMCA: 1 [1 - **1** - **1**].
5 September 1956: Congo (Democratic Republic of the): Uvira: RMCA: 4 [4 - **4** - **4**].
1 November 1956: Congo (Democratic Republic of the): Lemera: RMCA: 1 [1] - Uvira: RMCA: 1 [1 - **2** - **2**].
1 December 1958: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 1 [1 - **1** - **1**].
5 July 1959: Congo (Democratic Republic of the): Omaniumdu: RMCA: 1 [1 - **1** - **1**].
27 July 1959: Congo (Democratic Republic of the): Omaniumdu: RMCA: 3 [3 - **3** - **3**].
1 August 1959: Tanzania: Bukoba: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Laurent: 25

Laurent, P.

1 May 1937: Algeria: El Golea: FMNH: 2 [2 - **2** - **2**].
19 December 1937: Algeria: Algiers: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Laurent, P.: 4

Laurent, R.

Collection Date Unknown: Morocco: Oued Korifla: MNHN: 1 [1 - **1** - **1**].
8 August 1927: Morocco: Oued Korifla: MNHN: 1 [1 - **1** - **1**].
1 January 1938: Algeria: Ouarsenis, Djebel: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Laurent, R.: 3

Laurie, J.J.

18 April 1953: Somalia: Hargeisa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Laurie, J.J.: 1

LaVal, Margareth L.

2 November 1974: South Africa: St. Lucia: KU: 1 [1 - **1** - **1**].

Total Specimens for LaVal, Margareth L.: 1

LaVal, Richard K.

Collection Date Unknown: South Africa: Mission Rocks: KU: 1 [1 - **1** - **1**].
28 March 1923: South Africa: Pietermaritzburg, 16 km NNE: KU: 1 [1 - **1** - **1**].
27 June 1974: South Africa: Umdoni Park: KU: 1 [1 - **1** - **1**].
28 June 1974: South Africa: Umdoni Park: KU: 1 [1 - **1** - **1**].
7 July 1974: South Africa: St Lucia Estuary, 8 mi N: KU: 2 [2 - **2** - **2**].
17 July 1974: South Africa: Umdoni Park: KU: 1 [1 - **1** - **1**].
18 July 1974: South Africa: Umdoni Park: KU: 2 [2 - **2** - **2**].
19 July 1974: South Africa: Doornhoek mine: KU: 1 [1 - **1** - **1**].
25 August 1974: South Africa: Umdoni Park: KU: 2 [2 - **2** - **2**].
6 September 1974: South Africa: Pietermaritzburg: KU: 2 [2 - **2** - **2**].
10 September 1974: South Africa: Port Durnford: KU: 1 [1 - **1** - **1**].
11 September 1974: South Africa: Estuary Forest Reserve: KU: 1 [1 - **1** - **1**].
15 September 1974: South Africa: Charter's Creek: TM: 1 [1 - **1** - **1**].
10 October 1974: South Africa: Pietermaritzburg: KU: 1 [1 - **1** - **1**].
20 October 1974: South Africa: Pietermaritzburg: KU: 2 [2 - **2** - **2**].
23 October 1974: South Africa: Umdoni Park: KU: 2 [2 - **2** - **2**].
28 October 1974: South Africa: Port Durnford: KU: 3 [3 - **3** - **3**].
31 October 1974: South Africa: Nyalazi Forest Reserve: KU: 2 [2 - **2** - **2**].
2 November 1974: South Africa: St. Lucia: KU: 1 [1 - **1** - **1**].
15 November 1974: South Africa: Umdoni Park: KU: 1 [1 - **1** - **1**].
21 November 1974: South Africa: Umdoni Park: KU: 2 [2 - **2** - **2**].
22 November 1974: South Africa: Umdoni Park: TM: 1 [1 - **1** - **1**].
23 November 1974: South Africa: Umdoni, near: KU: 1 [1 - **1** - **1**].
2 January 1975: South Africa: Letaba: KU: 6 [6 - **6** - **6**].
10 January 1975: South Africa: Umdoni Park: KU: 1 [1 - **1** - **1**].
18 January 1975: South Africa: Mission Rocks Bat Cave: KU: 1 [1 - **1** - **1**].
19 January 1975: South Africa: Mission Rocks Bat Cave: KU: 1 [1 - **1** - **1**].
18 February 1975: South Africa: Eshowe: KU: 1 [1 - **1** - **1**].
23 February 1975: South Africa: Port Durnford Forest Reserve: KU: 1 [1 - **1** - **1**].
6 March 1975: South Africa: Umdoni Park: KU: 1 [1 - **1** - **1**].
16 March 1975: South Africa: Nyalazi Forest Reserve: KU: 1 [1 - **1** - **1**].
23 March 1975: South Africa: Pietermaritzburg: KU: 1 [1 - **1** - **1**].
9 April 1975: South Africa: Port Durnford Forest Reserve: KU: 2 [2 - **2** - **2**].
12 April 1975: South Africa: Nyalazi Forest Reserve: KU: 2 [2 - **2** - **2**].
24 April 1975: Zimbabwe: Wankie-NP: KU: 1 [1 - **1** - **1**].

1 May 1975: Zimbabwe: Mutare: KU: 8 [8 - **8** - **8**].

Total Specimens for LaVal, Richard K.: 60

Laviolette, S.

Collection Date Unknown: Ghana: Axim: ROM: 7 [7] - Boti Falls: ROM: 3 [3] - Nuanga Road: ROM: 2 [2] - Oda: ROM: 1 [1] - Somanya, 3.2 km E: ROM: 5 [5 - **18** - **18**].
30 November 1969: Ghana: Achimota: ROM: 7 [7 - **7** - **7**].
5 December 1969: Ghana: Achimota: ROM: 17 [17 - **17** - **17**].
6 December 1969: Ghana: Achimota: ROM: 3 [3 - **3** - **3**].
7 December 1969: Ghana: Achimota: ROM: 9 [9 - **9** - **9**].
10 December 1969: Ghana: Boti Falls: ROM: 7 [7 - **7** - **7**].
11 December 1969: Ghana: Accra: ROM: 1 [1 - **1** - **1**].
17 December 1969: Ghana: Achimota: ROM: 1 [1 - **1** - **1**].
25 December 1969: Ghana: Ajemera: ROM: 1 [1 - **1** - **1**].
3 January 1970: Ghana: Larteh, 5 km S: ROM: 3 [3 - **3** - **3**].
4 January 1970: Ghana: Somanya, 3.2 km E: ROM: 1 [1 - **1** - **1**].
5 January 1970: Ghana: Accra: ROM: 1 [1] - Larteh Junction: ROM: 21 [21] - Larteh, 3 km S: ROM: 1 [1] - Shai Hills: ROM: 1 [1 - **24** - **24**].
6 January 1970: Ghana: Larteh Junction: ROM: 1 [1 - **1** - **1**].
7 January 1970: Ghana: Shai Hills: ROM: 5 [5 - **5** - **5**].

Total Specimens for Laviolette, S.: 98

Laviolette, S.; *et al.*

14 September 1969: Morocco: Ijoukak: ROM: 1 [1 - **1** - **1**].
26 October 1969: Niger: Nim tree Forest: ROM: 1 [1 - **1** - **1**].
28 October 1969: Niger: Niamey, 8 km W: ROM: 18 [18 - **18** - **18**].
29 October 1969: Niger: Niamey: ROM: 2 [2 - **2** - **2**].
30 October 1969: Niger: Niamey: ROM: 1 [1 - **1** - **1**].
31 October 1969: Niger: Niamey: ROM: 5 [5 - **5** - **5**].
1 November 1969: Niger: Niamey: ROM: 3 [3 - **3** - **3**].
2 November 1969: Niger: Niamey: ROM: 7 [7 - **7** - **7**].
3 November 1969: Niger: Niamey: ROM: 9 [9 - **9** - **9**].

Total Specimens for Laviolette, S.; *et al.*: 47

Laviolette, S.; Cunningham, G.

Collection Date Unknown: Algeria: Bechar, 8 km NE: ROM: 1 [1] - Colomb Bechar: ROM: 4 [4 - **5** - **5**].
11 January 1969: Niger: Niamey: ROM: 1 [1 - **1** - **1**].
10 March 1969: Algeria: Colomb Bechar: ROM: 4 [4 - **4** - **4**].
10 April 1969: Algeria: Colomb Bechar: ROM: 12 [12 - **12** - **12**].
19 September 1969: Morocco: Tan Tan Plage, 30 km SE: ROM: 1 [1 - **1** - **1**].
9 October 1969: Morocco: Rabat, 17 km SE: ROM: 1 [1 - **1** - **1**].
30 October 1969: Niger: Niamey: ROM: 1 [1 - **1** - **1**].
31 October 1969: Niger: Niamey: ROM: 2 [2 - **2** - **2**].
1 November 1969: Niger: Niamey: ROM: 1 [1 - **1** - **1**].
9 November 1969: Morocco: Rabat, 17 km SE: ROM: 1 [1 - **1** - **1**].
28 November 1969: Niger: Niamey, 12.9 km W: ROM: 1 [1 - **1** - **1**].

Total Specimens for Laviolette, S.; Cunningham, G.: 30

Lavrenchenko, Leonid A.

Collection Date Unknown: Ethiopia: Godare forest: ZMMU: 2 [2] - Godjeb valley, middle: ZMMU: 1 [1] - Hirna and Deder, between: ZMMU: 2 [2] - Koi area: ZMMU: 1 [1] - Sheko area: ZMMU: 1 [1 - **7**].
Tanzania: Victoria, lake: ZMMU: 1 [1 - **1** - **8**].
17 April 1997: Ethiopia: Beletta forest: ZMMU: 1 [1 - **1** - **1**].

Total Specimens for Lavrenchenko, Leonid A.: 9

Lawler, R.S.

Collection Date Unknown: Cameroon: Barombi Kang: ROM: 7 [7] - Kumba: ROM: 52 [52] - Lolodort: ROM: 1 [1 - **60**].
Ghana: Accra-Kade Road: ROM: 1 [1] - Kade Agricultural Research Station: ROM: 2 [2] - Legon: ROM: 11 [11 - **14** - **74**].
18 December 1965: "Africa": Mahi Adar des Ifothas: ROM: 1 [1 - **1** - **1**].
30 January 1966: Ghana: Kade Agricultural Research Station: ROM: 4 [4] - Kade Agricultural Research Station, SE: ROM: 1 [1 - **5** - **5**].
10 February 1966: Cameroon: Kribi: ROM: 1 [1 - **1** - **1**].
17 February 1966: Cameroon: Barombi Kang: ROM: 1 [1] - Kumba: ROM: 11 [11 - **12** - **12**].
19 February 1966: Cameroon: Kumba: ROM: 2 [2 - **2** - **2**].
20 February 1966: Cameroon: Barombi Kang: ROM: 1 [1 - **1** - **1**].

21 February 1966: Cameroon: Barombi Kang: ROM: 4 [4] - Kumba: ROM: 2 [2 - **6** - **6**].
23 February 1966: Cameroon: Kumba: ROM: 3 [3 - **3** - **3**].
24 February 1966: Cameroon: Barombi Kang: ROM: 8 [8 - **8** - **8**].
28 February 1966: Cameroon: Douala airport: ROM: 6 [6 - **6** - **6**].
1 March 1966: Cameroon: Douala airport: ROM: 2 [2 - **2** - **2**].
2 March 1966: Cameroon: Douala airport: ROM: 4 [4 - **4** - **4**].
3 March 1966: Cameroon: Douala airport: ROM: 2 [2 - **2** - **2**].
11 March 1966: Cameroon: Douala airport, 5 km E: ROM: 3 [3 - **3** - **3**].
22 March 1966: Cameroon: Lolodort: ROM: 5 [5 - **5** - **5**].
23 March 1966: Cameroon: Lolodort: ROM: 2 [2 - **2** - **2**].
5 April 1966: Ghana: Legon University: ROM: 1 [1 - **1** - **1**].
7 April 1966: Ghana: Legon university: ROM: 2 [2 - **2** - **2**].
10 April 1966: Ghana: Legon University: ROM: 2 [2 - **2** - **2**].
11 April 1966: Ghana: Legon University: ROM: 1 [1 - **1** - **1**].
12 April 1966: Ghana: Legon University: ROM: 1 [1 - **1** - **1**].
13 April 1966: Ghana: Legon University: ROM: 1 [1 - **1** - **1**].
14 April 1966: Ghana: Kade Agricultural Research Station: ROM: 13 [13 - **13** - **13**].
15 April 1966: Ghana: Kade Agricultural Research Station: ROM: 5 [5 - **5** - **5**].
16 April 1966: Ghana: Kade Agricultural Research Station: ROM: 6 [6 - **6** - **6**].
17 April 1966: Ghana: Kade Agricultural Research Station: ROM: 8 [8 - **8** - **8**].
25 April 1966: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
5 May 1966: Ghana: Unknown locality: ROM: 1 [1] - Nungua: ROM: 2 [2 - **3** - **3**].
7 May 1966: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
8 May 1966: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
9 May 1966: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
12 May 1966: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
2 June 1966: Ghana: Nungua: ROM: 2 [2 - **2** - **2**].
6 June 1966: Ghana: Afloa, 105 km W: ROM: 1 [1] - Afloa, 72 km W: ROM: 5 [5 - **6** - **6**].
17 February 1970: Cameroon: Kumba: ROM: 1 [1 - **1** - **1**].

Total Specimens for Lawler, R.S.: 199

Lawrence, F.G.

15 August 1932: South Africa: Frederikstad: TM: 1 [1 - **1** - **1**].

Total Specimens for Lawrence, F.G.: 1

Layard, Edgar Leopold
(23 July 1824: Florence - 1 January 1900: Budleigh Salterton)

Collection Date Unknown: South Africa: "Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: MCZ: 1 [1] - Cape Town: MCZ: 3 [3 - **4** - **4**].

Total Specimens for Layard, Edgar Leopold: 4

Le Dun, J.W.

27 February 1969: Côte d'Ivoire: Niébé: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Le Dun, J.W.: 1

le Roux, P.L.

Collection Date Unknown: Zambia: Muzubuku: TM: 1 [1 - **1** - **1**].

Total Specimens for le Roux, P.L.: 1

Leaket

22 August 1964: Tanzania: Natron, W side lake: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Leaket: 2

Leakey, P.

22 August 1964: Tanzania: Lake Natron: BMNH: 4 [4 - **4** - **4**].

Total Specimens for Leakey, P.: 4

Leakey, S.H.E.

9 January 1966: Kenya: Gibraltar island: ROM: 1 [1 - **1** - **1**].

Total Specimens for Leakey, S.H.E.: 1

Lebrun, Jean
(1906 - 1985)

Collection Date Unknown: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
13 August 1919: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
30 August 1919: Congo (Democratic Republic of the): Ibembo: RMCA: 2 [2 - **2** - **2**].
16 September 1919: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].
22 September 1919: Congo (Democratic Republic of the): Ibembo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Lebrun, Jean: 6

Leche, W.

Collection Date Unknown: Madagascar: Unknown locality: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Leche, W.: 1

Lecocq

25 June 1931: Congo (Democratic Republic of the): Lukolela: RMCA: 1 [1 - **1** - **1**].
31 July 1931: Congo (Democratic Republic of the): Lukolela: RMCA: 1 [1 - **1** - **1**].
15 November 1932: Congo (Democratic Republic of the): Lukolela: RMCA: 1 [1 - **1** - **1**].
14 March 1933: Congo (Democratic Republic of the): Lukolela: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Lecocq: 4

LeDuc, James W.

Collection Date Unknown: Benin: Nikki: USNM: 1 [1 - **1**].
Côte d'Ivoire: Kong: USNM: 1 [1] - Yapo-Sud: USNM: 3 [3 - **4**].
Ghana: Legon: USNM: 4 [4 - **4**].
Togo: Gbatope: USNM: 2 [2] - Pagala: USNM: 1 [1 - **3** - **12**].
27 September 1967: Ghana: University of Ghana: USNM: 3 [3 - **3** - **3**].
30 September 1967: Ghana: Legon: USNM: 1 [1] - University of Ghana: USNM: 7 [7 - **8** - **8**].
9 October 1967: Ghana: Berekuso, 1 mi N: USNM: 2 [2 - **2** - **2**].
11 October 1967: Ghana: Berekuso, 1 mi N: USNM: 1 [1 - **1** - **1**].
16 October 1967: Ghana: Berekuso, 1 mi N: USNM: 2 [2 - **2** - **2**].
18 October 1967: Ghana: Achimota: USNM: 4 [4 - **4** - **4**].
3 November 1967: Ghana: Achimota: USNM: 8 [8 - **8** - **8**].
14 November 1967: Ghana: Doyum: USNM: 16 [16 - **16** - **16**].
16 November 1967: Ghana: Achimota: USNM: 1 [1 - **1** - **1**].
24 November 1967: Ghana: Legon: USNM: 2 [2 - **2** - **2**].
26 November 1967: Ghana: Teshi: USNM: 33 [33 - **33** - **33**].
2 December 1967: Ghana: Akwamufe, 1 mi N: USNM: 6 [6] - Tsibu, 7 mi N: USNM: 6 [6] - University of Ghana: USNM: 11 [11 - **23** - **23**].
4 December 1967: Ghana: Achimota: USNM: 6 [6 - **6** - **6**].
5 December 1967: Ghana: Achimota: USNM: 1 [1] - University of Ghana: USNM: 19 [19 - **20** - **20**].
10 December 1967: Cameroon: Mamfe: USNM: 15 [15 - **15**].
Ghana: Adawaso, 4.7 mi E: USNM: 4 [4] - Adawaso, 5.7 mi E: USNM: 2 [2] - Okorasi: USNM: 15 [15 - **21** - **36**].
17 December 1967: Ghana: Weija: USNM: 17 [17 - **17** - **17**].
16 January 1968: Benin: Diho: USNM: 1 [1 - **1** - **1**].
19 January 1968: Benin: Bimbereke: USNM: 2 [2] - Bimbéréké: USNM: 9 [9] - Diho: USNM: 1 [1 - **12** - **12**].
20 January 1968: Benin: Bimbereke: USNM: 12 [12] - Diho: USNM: 1 [1 - **13** - **13**].
21 January 1968: Benin: Bimbereke: USNM: 15 [15 - **15** - **15**].
22 January 1968: Benin: Bimbereke: USNM: 10 [10 - **10** - **10**].
29 January 1968: Benin: Diho: USNM: 1 [1] - Guéné: USNM: 39 [39 - **40** - **40**].
31 January 1968: Benin: Guéné: USNM: 15 [15 - **15** - **15**].
22 February 1968: Benin: Nikki: USNM: 2 [2 - **2** - **2**].
24 February 1968: Benin: Guéné - Nikki road: USNM: 1 [1] - Nikki: USNM: 9 [9 - **10** - **10**].
27 February 1968: Benin: Parakou: USNM: 7 [7 - **7** - **7**].
28 February 1968: Benin: Parakou: USNM: 5 [5 - **5** - **5**].
29 February 1968: Benin: Tourou: USNM: 20 [20 - **20** - **20**].
5 March 1968: Benin: Kétou: USNM: 2 [2 - **2** - **2**].
6 March 1968: Benin: Kétou: USNM: 18 [18 - **18** - **18**].
7 March 1968: Benin: Kétou: USNM: 11 [11 - **11** - **11**].
14 April 1968: Benin: Zizonkame: USNM: 12 [12 - **12** - **12**].
15 April 1968: Benin: Zizonkame: USNM: 5 [5 - **5** - **5**].
16 April 1968: Benin: Zizonkame: USNM: 9 [9 - **9** - **9**].
17 April 1968: Benin: no specific locality: USNM: 1 [1 - **1** - **1**].
18 April 1968: Benin: Zizonkame: USNM: 9 [9] - Zizonkamé: USNM: 1 [1 - **10** - **10**].
21 April 1968: Benin: Soubroukou: USNM: 7 [7 - **7** - **7**].
24 April 1968: Benin: Soubroukou: USNM: 7 [7] - Zizonkame: USNM: 1 [1 - **8** - **8**].
26 April 1968: Benin: Kouande: USNM: 6 [6 - **6** - **6**].
29 April 1968: Benin: Kouande: USNM: 1 [1 - **1** - **1**].

2 May 1968: Benin: Porga: USNM: 1 [1 - **1** - **1**].
5 May 1968: Benin: Porga: USNM: 37 [37 - **37** - **37**].
6 May 1968: Benin: Porga: USNM: 38 [38 - **38** - **38**].
7 May 1968: Benin: Porga: USNM: 109 [109 - **109** - **109**].
9 May 1968: Togo: Dapango: USNM: 13 [13 - **13** - **13**].
10 May 1968: Togo: Dapango: USNM: 6 [6 - **6** - **6**].
11 May 1968: Togo: Dapango: USNM: 10 [10 - **10** - **10**].
12 May 1968: Togo: Dapango: USNM: 1 [1 - **1** - **1**].
16 May 1968: Togo: Padori: USNM: 32 [32 - **32** - **32**].
19 May 1968: Togo: Padori: USNM: 12 [12 - **12** - **12**].
22 May 1968: Togo: Péwa: USNM: 11 [11 - **11** - **11**].
24 May 1968: Togo: Péwa: USNM: 7 [7 - **7** - **7**].
25 May 1968: Togo: Péwa: USNM: 39 [39 - **39** - **39**].
17 June 1968: Benin: Ayitedjou: USNM: 1 [1 - **1** - **1**].
21 June 1968: Benin: Kpodave: USNM: 3 [3 - **3** - **3**].
22 June 1968: Benin: Kpodave: USNM: 28 [28 - **28** - **28**].
27 June 1968: Togo: Gbatope: USNM: 28 [28 - **28** - **28**].
28 June 1968: Togo: Gbatope: USNM: 20 [20 - **20** - **20**].
30 June 1968: Benin: Kpodave: USNM: 1 [1 - **1**].
Togo: Ezimé: USNM: 2 [2 - **2** - **3**].
1 July 1968: Togo: Ezimé: USNM: 4 [4 - **4** - **4**].
2 July 1968: Togo: Ezimé: USNM: 12 [12 - **12** - **12**].
5 July 1968: Togo: Ezimé: USNM: 3 [3 - **3** - **3**].
8 July 1968: Togo: Agou: USNM: 1 [1 - **1** - **1**].
11 July 1968: Togo: Agou: USNM: 19 [19 - **19** - **19**].
13 October 1968: Ghana: Oda: USNM: 16 [16 - **16** - **16**].
28 November 1968: Côte d'Ivoire: Banco, forêt de: USNM: 6 [6 - **6** - **6**].
30 November 1968: Côte d'Ivoire: Banco Forest: USNM: 1 [1 - **1** - **1**].
6 December 1968: Côte d'Ivoire: Adiopodoumé: USNM: 1 [1 - **1** - **1**].
19 December 1968: Côte d'Ivoire: Anda: RMCA: 1 [1 - **1** - **1**].
22 December 1968: Côte d'Ivoire: Jacqueville: USNM: 2 [2 - **2** - **2**].
10 January 1969: Côte d'Ivoire: Ehania: RMCA: 1 [1 - **1** - **1**].
12 January 1969: Côte d'Ivoire: Ehania: USNM: 2 [2 - **2** - **2**].
18 January 1969: Côte d'Ivoire: Blékoum: USNM: 1 [1 - **1** - **1**].
21 January 1969: Côte d'Ivoire: Blékoum: USNM: 2 [2 - **2** - **2**].
29 January 1969: Côte d'Ivoire: Lamto: USNM: 1 [1 - **1** - **1**].
25 February 1969: Côte d'Ivoire: Niébé: USNM: 1 [1 - **1** - **1**].
26 February 1969: Côte d'Ivoire: Niébé: USNM: 1 [1 - **1** - **1**].
1 March 1969: Côte d'Ivoire: Kahin: USNM: 1 [1 - **1** - **1**].
3 March 1969: Côte d'Ivoire: Duékoué: ORSTOM: 1, ZMA: 1 [2 - **2** - **2**].
5 March 1969: Côte d'Ivoire: Kahin: USNM: 1 [1 - **1** - **1**].
7 March 1969: Côte d'Ivoire: Tyenko: USNM: 2 [2 - **2** - **2**].
14 March 1969: Côte d'Ivoire: Sienso: USNM: 1 [1 - **1** - **1**].
19 March 1969: Côte d'Ivoire: Yama: RMCA: 2 [2 - **2** - **2**].
20 March 1969: Côte d'Ivoire: Yama: ZMA: 1 [1 - **1** - **1**].
22 April 1969: Côte d'Ivoire: Adiopodoumé: USNM: 1 [1 - **1** - **1**].
3 May 1969: Burkina Faso: Oulo: USNM: 1 [1 - **1** - **1**].
12 May 1969: Côte d'Ivoire: Tule: USNM: 1 [1 - **1** - **1**].
15 May 1969: Côte d'Ivoire: Kong: USNM: 26 [26 - **26** - **26**].
29 May 1969: Côte d'Ivoire: Banco, forêt de: USNM: 1 [1 - **1** - **1**].
2 December 1969: Côte d'Ivoire: Diala: USNM: 1 [1 - **1** - **1**].

Total Specimens for LeDuc, James W.: 949

LeDuc, James W.; Robbins, Lynn W.

Collection Date Unknown: Côte d'Ivoire: Lamto: USNM: 4 [4] - Niébé: USNM: 3 [3 - **7** - **7**].

Total Specimens for LeDuc, James W.; Robbins, Lynn W.: 7

Leech, Robin E.; Ross, Edward S.

Collection Date Unknown: Namibia: Okambe, 10 mi NE: CAS: 1 [1] - Okambe, 10 miles NE: CAS: 1 [1 - **2**].
Zambia: Kanona, 32 mi NE: CAS: 1 [1] - Kanona, 42 mi SW: CAS: 1 [1 - **2**].
Zimbabwe: Kanona, 32 mi NE: CAS: 1 [1] - Kanona, 42 mi SW: CAS: 1 [1 - **2** - **6**].
10 January 1957: Congo (Democratic Republic of the): Baraka, 5 mi N: CAS: 2 [2 - **2** - **2**].
8 August 1957: Congo (Democratic Republic of the): Kilembe, 52 mi [=84 km] S: CAS: 2 [2 - **2** - **2**].
3 October 1957: Tanzania: Seronera: CAS: 1 [1 - **1** - **1**].
5 October 1957: Congo (Democratic Republic of the): Hoyo, Mount: CAS: 1 [1] - Mount Hoyo caves: CAS: 7 [7 - **8** - **8**].
23 October 1957: Tanzania: Seronera: CAS: 3 [3 - **3** - **3**].
11 November 1957: Tanzania: Amboni Cave Forest: CAS: 2 [2 - **2** - **2**].
2 December 1957: Congo (Democratic Republic of the): Kasenyi: CAS: 1 [1 - **1**].
Uganda: Kasenju: CAS: 2 [2 - **2** - **3**].
6 January 1958: "Africa": Urundi: CAS: 7 [7 - **7** - **7**].
6 February 1958: Congo (Democratic Republic of the): Kakontwe cave: CAS: 7 [7 - **7** - **7**].

9 March 1958: Zimbabwe: Sinela caves: CAS: 2 [2] - Sinoia caves: CAS: 6 [6 - **8** - **8**].
17 May 1958: Namibia: Oshikango: CAS: 1 [1 - **1**].
Uganda: Oshikango: CAS: 4 [4 - **4** - **5**].

Total Specimens for Leech, Robin E.; Ross, Edward S.: 54

Leeuwenberg, Antonius Josephus Martinus ("Toon")
(11 August 1930: Amsterdam - 2010)

4 June 1962: South Africa: Branfort: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Leeuwenberg, Antonius Josephus Martinus ("Toon"): 1

Lefébure, R.P.

1 May 1939: Congo (Democratic Republic of the): Kanzenze mission: RBINS: 1 [1 - **1** - **1**].
14 July 1947: Congo (Democratic Republic of the): Kanzenze mission: RBINS: 1 [1 - **1** - **1**].
22 November 1949: Congo (Democratic Republic of the): M'Pala, Kazenze: RBINS: 5 [5 - **5** - **5**].

Total Specimens for Lefébure, R.P.: 7

Lefebvre, A.

Collection Date Unknown: Egypt: Unknown locality: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Lefebvre, A.: 1

Legwai, J.

15 November 2002: South Africa: Farm Onverwacht 544JT, Sjonajona: TM: 1 [1 - **1** - **1**].

Total Specimens for Legwai, J.: 1

Leinweber

Collection Date Unknown: Namibia: Bethanien district: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Leinweber: 1

Leirs, Herwig

Collection Date Unknown: Tanzania: Unknown locality: RMCA: 1 [1 - **1** - **1**].
9 September 1987: Tanzania: Mikumi National Park, H.Q.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Leirs, Herwig: 2

Leirs, Herwig; *et al.* (1995 Kikwit expedition)

10 June 1995: Congo (Democratic Republic of the): Kikwit: RMCA: 1 [1 - **1** - **1**].
20 June 1995: Congo (Democratic Republic of the): Mbwambala: RMCA: 3 [3 - **3** - **3**].
21 June 1995: Congo (Democratic Republic of the): Mbwambala: MSB: 1, RMCA: 2 [3 - **3** - **3**].
23 June 1995: Congo (Democratic Republic of the): Mbwambala: MSB: 4 [4 - **4** - **4**].
29 June 1995: Congo (Democratic Republic of the): Mbwambala: MSB: 1, RMCA: 3 [4 - **4** - **4**].
1 July 1995: Congo (Democratic Republic of the): Mbwambala: RMCA: 1 [1 - **1** - **1**].
2 July 1995: Congo (Democratic Republic of the): Mbwambala: MSB: 1 [1 - **1** - **1**].
3 July 1995: Congo (Democratic Republic of the): Mbwambala: RMCA: 2 [2 - **2** - **2**].
4 July 1995: Congo (Democratic Republic of the): Mbwambala: MSB: 1, RMCA: 1 [2 - **2** - **2**].
6 July 1995: Congo (Democratic Republic of the): Kikwit: MSB: 14, RMCA: 15 [29] - Mbwambala: MSB: 1 [1 - **30** - **30**].
7 July 1995: Congo (Democratic Republic of the): Mbwambala: RMCA: 2 [2 - **2** - **2**].
9 July 1995: Congo (Democratic Republic of the): Mbwambala: MSB: 1, RMCA: 1 [2 - **2** - **2**].
11 July 1995: Congo (Democratic Republic of the): Mbwambala: MSB: 1 [1 - **1** - **1**].
12 July 1995: Congo (Democratic Republic of the): Kikwit: MSB: 3, RMCA: 4 [7 - **7** - **7**].
14 July 1995: Congo (Democratic Republic of the): Kikwit: MSB: 28, RMCA: 28 [56 - **56** - **56**].
15 July 1995: Congo (Democratic Republic of the): Kikwit: MSB: 5, RMCA: 5 [10 - **10** - **10**].
19 July 1995: Congo (Democratic Republic of the): Mbalaka: MSB: 2, RMCA: 3 [5] - Mbwambala: MSB: 1 [1 - **6** - **6**].
20 July 1995: Congo (Democratic Republic of the): Kimbinga market: MSB: 4, RMCA: 2 [6] - Mbalaka: MSB: 1 [1 - **7** - **7**].
21 July 1995: Congo (Democratic Republic of the): Mbalaka: MSB: 1, RMCA: 3 [4 - **4** - **4**].
23 July 1995: Congo (Democratic Republic of the): Athens mission: MSB: 3, RMCA: 4 [7] - Mbalaka: MSB: 1, RMCA: 3 [4 - **11** - **11**].
24 July 1995: Congo (Democratic Republic of the): Kinzambi mission: MSB: 5, RMCA: 6 [11] - Mbalaka: RMCA: 1 [1 - **12** - **12**].
25 July 1995: Congo (Democratic Republic of the): Kinzambi mission: MSB: 4, RMCA: 5 [9 - **9** - **9**].
26 July 1995: Congo (Democratic Republic of the): Kinzambi mission: MSB: 12, RMCA: 11 [23] - Luanu: MSB: 2, RMCA: 4 [6 - **29** - **29**].
27 July 1995: Congo (Democratic Republic of the): Kinzambi mission: MSB: 24, RMCA: 23 [47] - Trappist mission: MSB: 22, RMCA: 22 [44 - **91** - **91**].

28 July 1995: Congo (Democratic Republic of the): Kinzambi mission: MSB: 3, RMCA: 11 [14 - **14** - **14**].
30 July 1995: Congo (Democratic Republic of the): Kinzambi mission: MSB: 9, RMCA: 12 [21 - **21** - **21**].
31 July 1995: Congo (Democratic Republic of the): Kinzambi mission: MSB: 25, RMCA: 29 [54 - **54** - **54**].
1 August 1995: Congo (Democratic Republic of the): Kikwit ITPK: MSB: 10, RMCA: 7 [17] - Mbalaka: RMCA: 1 [1 - **18** - **18**].
2 August 1995: Congo (Democratic Republic of the): Sacred Heart mission: MSB: 40, RMCA: 41 [81 - **81** - **81**].
3 August 1995: Congo (Democratic Republic of the): Kikwit: MSB: 6 [6] - Kikwit ITPK: MSB: 1, RMCA: 8 [9 - **15** - **15**].
5 August 1995: Congo (Democratic Republic of the): Kakoi: MSB: 1 [1 - **1** - **1**].
6 August 1995: Congo (Democratic Republic of the): Trappist mission: MSB: 12, RMCA: 11 [23 - **23** - **23**].

Total Specimens for Leirs, Herwig; *et al.* (1995 Kikwit expedition): 525

Lejeune, M.

Collection Date Unknown: Congo (Democratic Republic of the): Lulimbi: RMCA: 1 [1 - **1** - **1**].
26 December 1968: Congo (Democratic Republic of the): Ishango River: RMCA: 70 [70 - **70** - **70**].
17 February 1971: Rwanda: Butare INRS: RMCA: 14 [14 - **14** - **14**].
20 February 1971: Rwanda: Butare INRS: RMCA: 1 [1 - **1** - **1**].
22 April 1971: Rwanda: Butare INRS: RMCA: 1 [1 - **1** - **1**].
17 October 1971: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
1 November 1971: Congo (Democratic Republic of the): Butembo: RMCA: 4 [4 - **4** - **4**].
17 May 1975: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
20 May 1975: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
21 May 1975: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
25 May 1975: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
1 June 1975: Congo (Democratic Republic of the): Butembo: RMCA: 1 [1 - **1** - **1**].
7 June 1975: Congo (Democratic Republic of the): Butembo: RMCA: 2 [2 - **2** - **2**].
1 January 1976: Congo (Democratic Republic of the): Unknown locality: RMCA: 99 [99] - Lulimbi: RMCA: 129 [129 - **228** - **228**].

Total Specimens for Lejeune, M.: 327

Leleup, Narcisse
(1912 - 2001)

Collection Date Unknown: Congo (Democratic Republic of the): Uvira: RMCA: 6 [6 - **6** - **6**].
5 July 1948: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 2 [2 - **2** - **2**].
15 August 1948: Congo (Democratic Republic of the): Kakontwe: RMCA: 16 [16 - **16** - **16**].
1 September 1948: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 2 [2 - **2** - **2**].
19 September 1948: Congo (Democratic Republic of the): Defrenne cave: RMCA: 16 [16] - Kakontwe cave: RMCA: 1 [1 - **17** - **17**].
25 September 1948: Congo (Democratic Republic of the): Defrenne cave: RMCA: 23 [23 - **23** - **23**].
27 September 1948: Congo (Democratic Republic of the): Tamba Tamba cave b 12: RMCA: 14 [14 - **14** - **14**].
1 November 1948: Congo (Democratic Republic of the): Lubudi, large cave: RMCA: 4 [4] - Lubudi, small cave: RMCA: 9 [9 - **13** - **13**].
28 November 1948: Congo (Democratic Republic of the): Kanzenze mission: BMNH: 1, RMCA: 2 [3 - **3** - **3**].
1 December 1948: Congo (Democratic Republic of the): Kanzenze mission: RMCA: 1 [1 - **1** - **1**].
23 May 1949: Congo (Democratic Republic of the): Thysville, cave b 13 a: RMCA: 1 [1 - **1** - **1**].
30 May 1949: Congo (Democratic Republic of the): Thysville, cave b 12 a: RMCA: 2 [2 - **2** - **2**].
15 June 1949: Congo (Democratic Republic of the): Banza Nfinda cave: RMCA: 8 [8] - Barafinda, cave b 13: RMCA: 7 [7 - **15** - **15**].
1 July 1949: Congo (Democratic Republic of the): Thysville, cave b 13 a: RMCA: 2 [2 - **2** - **2**].
13 July 1949: Congo (Democratic Republic of the): Thysville: RMCA: 4 [4 - **4** - **4**].
23 July 1949: Congo (Democratic Republic of the): Thysville: RMCA: 26 [26 - **26** - **26**].
1 August 1949: Congo (Democratic Republic of the): Thysville: RMCA: 31 [31 - **31** - **31**].
8 August 1949: Congo (Democratic Republic of the): Thysville: RMCA: 10 [10 - **10** - **10**].
17 August 1949: Congo (Democratic Republic of the): Thysville, cave b 13 a: RMCA: 2 [2 - **2** - **2**].
18 August 1949: Congo (Democratic Republic of the): Thysville: RMCA: 14 [14 - **14** - **14**].
12 September 1951: Congo (Democratic Republic of the): Uvira: RMCA: 18 [18 - **18** - **18**].
23 September 1954: Congo (Democratic Republic of the): Uvira: RMCA: 1 [1 - **1** - **1**].
24 October 1954: Congo (Democratic Republic of the): Mwanakusu cave: RMCA: 6 [6 - **6** - **6**].
27 October 1954: Congo (Democratic Republic of the): Musenge village: RMCA: 4 [4 - **4** - **4**].
24 December 1954: Congo (Democratic Republic of the): Mwanakusu cave: RMCA: 6 [6 - **6** - **6**].
1 March 1955: Congo (Democratic Republic of the): Uvira: RMCA: 5 [5 - **5** - **5**].
2 March 1955: Congo (Democratic Republic of the): Uvira: RMCA: 7 [7 - **7** - **7**].
3 March 1955: Congo (Democratic Republic of the): Uvira: RMCA: 4 [4 - **4** - **4**].
1 April 1955: Congo (Democratic Republic of the): Uvira: RMCA: 1 [1 - **1** - **1**].
1 January 1957: Congo (Democratic Republic of the): Irangi Forest: RMCA: 3 [3 - **3** - **3**].
1 September 1957: Rwanda: Bugesera: RMCA: 2 [2 - **2** - **2**].
10 September 1957: Congo (Democratic Republic of the): Grand ebouli de Lemera: RMCA: 1 [1 - **1** - **1**].
1 July 1958: Congo (Democratic Republic of the): Kiwakishi cave: RMCA: 2 [2 - **2** - **2**].
1 September 1958: Burundi: Rubindi: RMCA: 4 [4 - **4** - **4**].
24 December 1958: Congo (Democratic Republic of the): Irangi: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Leleup, Narcisse: 269

Lemaire, Charles
(1863: Cuesmes - 1926: Brussels)

Collection Date Unknown: Congo (Democratic Republic of the): Katanga: RMCA: 10 [10] - Moliro: RMCA: 2 [2 - **12** - **12**].

Total Specimens for Lemaire, Charles: 12

Lennon

Collection Date Unknown: Malawi: Zomba town: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Lennon: 1

Leonet

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1 - **1** - **1**].
1 January 1952: Congo (Democratic Republic of the): Bamania: RMCA: 1 [1 - **1** - **1**].
16 April 1952: Congo (Democratic Republic of the): Bamania: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Leonet: 3

Leontovitch

10 June 1937: Congo (Democratic Republic of the): Libenge: RMCA: 1 [1 - **1** - **1**].
10 April 1938: Congo (Democratic Republic of the): Libenge: RMCA: 1 [1 - **1** - **1**].
13 February 1939: Congo (Democratic Republic of the): Gemena: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Leontovitch: 3

Leopold prince of Belgium

1 January 1926: Congo (Democratic Republic of the): Irumu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Leopold prince of Belgium: 1

Lepersonne

Collection Date Unknown: Congo (Democratic Republic of the): Léopoldville: RMCA: 2 [2] - Mahagi Port: RMCA: 1 [1 - **3** - **3**].
21 July 1939: Congo (Democratic Republic of the): Mongbwalu: RMCA: 4 [4 - **4** - **4**].
31 October 1939: Congo (Democratic Republic of the): Kasenyi: RMCA: 1 [1 - **1** - **1**].
14 February 1945: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].
18 May 1945: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Lepersonne: 10

Lepez

Collection Date Unknown: Congo (Democratic Republic of the): Zambi: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Lepez: 1

Lepsius

Collection Date Unknown: Egypt: no specific locality: ZMB: 2 [2 - **2**].
Sudan: Khartoum: ZMB: 1 [1 - **1** - **3**].

Total Specimens for Lepsius: 3

Le-Roi, Otto
(1878 - 1916)

9 February 1910: Egypt: Abu Simbel: ZFMK: 1 [1 - **1** - **1**].
23 February 1910: South Sudan: No, lake: ZFMK: 1 [1 - **1** - **1**].
11 March 1910: Ethiopia: Lado: ZFMK: 1 [1 - **1** - **1**].
22 March 1910: South Sudan: Hellet Nuer: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Le-Roi, Otto: 4

Leroy, J.V.

1 June 1935: Congo (Democratic Republic of the): Mulungu: RMCA: 1 [1 - **1** - **1**].
1 April 1948: Rwanda: Rwankwi: RMCA: 4 [4 - **4** - **4**].

Total Specimens for Leroy, J.V.: 5

Lescure

1 August 1913: Madagascar: Fiherenana River, lower valley: MCZ: 2 [2] - Toliary province: MCZ: 1 [1] - Tsiombe-Androy: MCZ: 13 [13 - **16** - **16**].
1 January 1914: Madagascar: Mozambique Channel at N end of St. Augustin Bay: MCZ: 3 [3 - **3** - **3**].

Total Specimens for Lescure: 19

Lester, L.A.

Collection Date Unknown: Namibia: Unknown locality: LACM: 1 [1] - E. Kamombonde 86: LACM: 1 [1] - Farm Okandukaseibe 27: LACM: 1 [1] - Omaruru, 37 km N, 27 km W and 100 km W Eausiro: LACM: 2 [2 - **5** - **5**].
14 October 1972: Namibia: Farm Welverdiend 328: LACM: 3 [3 - **3** - **3**].
15 October 1972: Namibia: Farm Welverdiend 328: LACM: 3 [3 - **3** - **3**].
10 November 1972: Namibia: Farm Okandukaseibe 27: LACM: 1 [1 - **1** - **1**].
19 November 1972: Namibia: Farm Okosongomingo 148: LACM: 1 [1 - **1** - **1**].
23 November 1972: Namibia: Farm Ghaub 47: LACM: 1 [1 - **1** - **1**].
27 November 1972: Namibia: Farm Ghaub 47: LACM: 10 [10 - **10** - **10**].
6 January 1975: Namibia: E Kamombonde 86: LACM: 6 [6] - E. Kamombonde 86: AMNH: 1 [1 - **7** - **7**].
7 January 1975: Namibia: E Kamombonde 86: LACM: 9 [9 - **9** - **9**].
9 January 1975: Namibia: Eausiro W 100: LACM: 1 [1 - **1** - **1**].
6 October 1977: Namibia: Okatumba SA197 [Farmstead]: AMNH: 2 [2] - Omuramba Khaundum, S Fork near junction with N Fork: LACM: 1 [1] - Otjihua 180: LACM: 30 [30] - Otjihua 182: LACM: 1 [1] - Otjihua 185: LACM: 16 [16] - Windhoek: LACM: 1 [1 - **51** - **51**].
4 November 1977: Namibia: Rundu, 66 km S, 113 km E: AMNH: 1 [1 - **1** - **1**].
5 November 1977: Namibia: Rundu, 66 km S, 113 km E: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Lester, L.A.: 94

Lestrade

1 January 1931: Rwanda: Rubengera: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Lestrade: 1

Letourneau, Charles
(1831 - 21 February 1902)

Collection Date Unknown: Egypt: Unknown locality: MNHN: 1 [1] - Maréotis lake, SW of: MNHN: 1 [1 - **2** - **2**].

Total Specimens for Letourneau, Charles: 2

Lewall

1 July 1968: Burundi: Bujumbura: RMCA: 5 [5 - **5** - **5**].
10 November 1968: Burundi: Bujumbura: RMCA: 1 [1 - **1** - **1**].
16 November 1968: Burundi: Russissi, bank [=Rusizi delta]: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Lewall: 7

Lewis, D.J.

28 October 1943: Sudan: Wad Medani: BMNH: 1 [1 - **1** - **1**].
1 January 1950: Sudan: Wad Medani: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Lewis, D.J.: 2

Lewis, E.

Collection Date Unknown: South Africa: Kaapse Hoop, Farm Drysdale: TM: 1 [1 - **1** - **1**].

Total Specimens for Lewis, E.: 1

Lewis, J.M.

1 January 1892: Congo (Democratic Republic of the): Mouth of Congo: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Lewis, J.M.: 1

Lim, Burton K.

13 February 1992: Côte d'Ivoire: Parc National de Tai: ROM: 4 [4 - **4** - **4**].
15 February 1992: Côte d'Ivoire: Parc National de Tai: ROM: 1 [1 - **1** - **1**].

16 February 1992: Côte d'Ivoire: Parc National de Tai: ROM: 4 [4 - **4** - **4**].
17 February 1992: Côte d'Ivoire: Parc National de Tai: ROM: 2 [2 - **2** - **2**].
18 February 1992: Côte d'Ivoire: Parc National de Tai: ROM: 2 [2 - **2** - **2**].
21 February 1992: Côte d'Ivoire: Parc National de Mont Peko: ROM: 19 [19 - **19** - **19**].
22 February 1992: Côte d'Ivoire: Parc National de Mont Peko: ROM: 7 [7 - **7** - **7**].
23 February 1992: Côte d'Ivoire: Parc National de Mont Peko: ROM: 5 [5 - **5** - **5**].
24 February 1992: Côte d'Ivoire: Parc National de Mont Peko: ROM: 11 [11 - **11** - **11**].
27 February 1992: Côte d'Ivoire: Parc National de Tai: ROM: 2 [2 - **2** - **2**].

Total Specimens for Lim, Burton K.: 57

Lindeman, A. or G.

Collection Date Unknown: Congo (Democratic Republic of the): Iringi: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Lindeman, A. or G.: 2

Linder, David H.

1 January 1927: Congo (Democratic Republic of the): Bumba: MCZ: 1 [1 - **1** - **1**].
24 February 1927: Congo (Democratic Republic of the): Rutshuru: MCZ: 2 [2 - **2** - **2**].
25 February 1927: Congo (Democratic Republic of the): Rutshuru: MCZ: 1 [1 - **1** - **1**].
1 April 1927: Congo (Democratic Republic of the): Unknown locality: MCZ: 1 [1] - Rutshuru: MCZ: 1 [1 - **2** - **2**].

Total Specimens for Linder, David H.: 6

Lingebach, J.C.

21 July 1964: Mozambique: Tete, 2 mi SE: USNM: 11 [11 - **11** - **11**].
22 July 1964: Mozambique: Tete, 2 mi SE: USNM: 10 [10 - **10** - **10**].
23 July 1964: Mozambique: Tete, 2 mi SE: USNM: 30 [30 - **30** - **30**].
29 July 1964: Mozambique: Muchena: USNM: 20 [20 - **20** - **20**].
7 August 1964: Mozambique: Furancungo, 30 mi NNW: USNM: 5 [5 - **5** - **5**].
9 August 1964: Mozambique: Vila Gamito, 10 km N: USNM: 20 [20 - **20** - **20**].
17 August 1964: Mozambique: Mungari, 5 km N: USNM: 1 [1 - **1** - **1**].
24 August 1964: Mozambique: Vila Gouveia: USNM: 7 [7 - **7** - **7**].
25 August 1964: Mozambique: Vila Gouveia: USNM: 1 [1 - **1** - **1**].

Total Specimens for Lingebach, J.C.: 105

Linnaea

Collection Date Unknown: Togo: Klein-Popo [=Aného]: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Linnaea: 2

Linstrom, A.

7 February 1996: South Africa: Lydenberg Vissery [=Fisheries]: TM: 1 [1 - **1** - **1**].

Total Specimens for Linstrom, A.: 1

Lips, M.

18 May 1955: Congo (Democratic Republic of the): Madimao: RMCA: 6 [6 - **6** - **6**].
3 September 1955: Congo (Democratic Republic of the): Karavia [mine]: RMCA: 1 [1 - **1** - **1**].
21 September 1955: Congo (Democratic Republic of the): Kiswishi [river]: RMCA: 3 [3 - **3** - **3**].
23 September 1955: Congo (Democratic Republic of the): Kikanda: RMCA: 2 [2 - **2** - **2**].
27 September 1955: Congo (Democratic Republic of the): Shindaika: RMCA: 4 [4] - Tshisangwe: RMCA: 3 [3 - **7** - **7**].
30 September 1955: Congo (Democratic Republic of the): Karavia [mine]: RMCA: 1 [1 - **1** - **1**].
7 October 1955: Congo (Democratic Republic of the): Kapaso: RMCA: 1 [1 - **1** - **1**].
11 October 1955: Congo (Democratic Republic of the): Kiswishi [river]: RMCA: 4 [4 - **4** - **4**].
14 October 1955: Congo (Democratic Republic of the): Kaponda: RMCA: 1 [1 - **1** - **1**].
16 October 1955: Congo (Democratic Republic of the): Mukuta: RMCA: 8 [8 - **8** - **8**].
24 October 1955: Congo (Democratic Republic of the): Nakilubo: RMCA: 1 [1 - **1** - **1**].
25 October 1955: Congo (Democratic Republic of the): Kinke: RMCA: 1 [1 - **1** - **1**].
27 October 1955: Congo (Democratic Republic of the): Keyberg: RMCA: 3 [3 - **3** - **3**].
7 November 1955: Congo (Democratic Republic of the): Karavia [mine]: RMCA: 8 [8 - **8** - **8**].
14 November 1955: Congo (Democratic Republic of the): Nakilubo: RMCA: 3 [3 - **3** - **3**].
28 November 1955: Congo (Democratic Republic of the): Lubwe: RMCA: 2 [2 - **2** - **2**].
13 December 1955: Congo (Democratic Republic of the): Kifumwanshi: RMCA: 1 [1 - **1** - **1**].
19 December 1955: Congo (Democratic Republic of the): Keyberg: RMCA: 8 [8 - **8** - **8**].
20 December 1955: Congo (Democratic Republic of the): Keyberg: RMCA: 2 [2 - **2** - **2**].
22 December 1955: Congo (Democratic Republic of the): Elisabethville: RMCA: 4 [4 - **4** - **4**].
23 December 1955: Congo (Democratic Republic of the): Kinke: RMCA: 6 [6 - **6** - **6**].

27 December 1955: Congo (Democratic Republic of the): Musonge: RMCA: 1 [1 - **1** - **1**].
28 December 1955: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1] - Mumene: RMCA: 5 [5 - **6** - **6**].
29 December 1955: Congo (Democratic Republic of the): Elisabethville: RMCA: 2 [2] - Musonge: RMCA: 1 [1 - **3** - **3**].
10 January 1956: Congo (Democratic Republic of the): Kasongo: RMCA: 1 [1 - **1** - **1**].
2 February 1956: Congo (Democratic Republic of the): Kikanda: RMCA: 3 [3 - **3** - **3**].
6 February 1956: Congo (Democratic Republic of the): Kikanda: RMCA: 4 [4] - Kipushi, road to: RMCA: 1 [1 - **5** - **5**].
10 May 1956: Congo (Democratic Republic of the): Kasenga road, km 106: RMCA: 1 [1 - **1** - **1**].
14 May 1956: Congo (Democratic Republic of the): Grotte de Baya: RMCA: 3 [3 - **3** - **3**].
4 June 1956: Congo (Democratic Republic of the): Keyberg: RMCA: 1 [1 - **1** - **1**].
8 June 1956: Congo (Democratic Republic of the): Kasenga road, km 37: RMCA: 1 [1 - **1** - **1**].
12 July 1956: Congo (Democratic Republic of the): Grotte de Baya: RMCA: 3 [3] - Mukween [= Mukwena]: RMCA: 1 [1 - **4** - **4**].
13 July 1956: Congo (Democratic Republic of the): Grotte de Baya: RMCA: 1 [1 - **1** - **1**].
30 July 1956: Congo (Democratic Republic of the): Kisiushi: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Lips, M.: 104

Lisfranc

Collection Date Unknown: Congo (Democratic Republic of the): Beni: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Lisfranc: 2

Little, Luther

1 February 1934: Cameroon: Ebolowa: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Little, Luther: 1

Liverseage, T.M.

Collection Date Unknown: Botswana: Sepope: USNM: 1 [1 - **1** - **1**].

Total Specimens for Liverseage, T.M.: 1

Liversedge, S.J.

Collection Date Unknown: South Africa: Barberton, 14 km NW: USNM: 2 [2 - **2** - **2**].
19 April 1968: South Africa: Graaff Reinet, 23 mi SE: USNM: 1 [1 - **1** - **1**].
12 October 1969: South Africa: Barberton, 14 mi [= 22 km] W: USNM: 21 [21 - **21** - **21**].

Total Specimens for Liversedge, S.J.: 24

Liversedge, T.N.

Collection Date Unknown: Botswana: Sepopa: USNM: 1 [1] - Shakawe: USNM: 6 [6 - **7**].
Zimbabwe: Sabi-Lundi [= Save-Runde] R Confluence: USNM: 1 [1] - Sabi-Lundi junction: USNM: 1 [1 - **2** - **9**].
24 November 1965: Botswana: Tshana: USNM: 3 [3 - **3** - **3**].
25 November 1965: Botswana: Tshana: USNM: 3 [3 - **3** - **3**].
7 December 1965: South Africa: Weinek Farm: USNM: 2 [2 - **2** - **2**].
10 December 1965: South Africa: Nylstroom: USNM: 2 [2 - **2** - **2**].
18 February 1966: Botswana: Kwebe Hills, 18 mi [=26 km] NW: USNM: 1 [1 - **1** - **1**].
19 February 1966: Botswana: Dautsa Flats: USNM: 3 [3 - **3** - **3**].
20 February 1966: Botswana: Dautsa Flats: USNM: 4 [4 - **4** - **4**].
15 April 1966: Botswana: Zelu, 3 mi [=4.8 km] W: USNM: 1 [1 - **1** - **1**].
20 May 1966: Botswana: Gaberones, 5 mi W: USNM: 1 [1 - **1** - **1**].
29 May 1966: Botswana: Lobatsi: USNM: 3 [3 - **3** - **3**].
30 May 1966: Botswana: Lobatsi: USNM: 1 [1 - **1** - **1**].
1 June 1966: Botswana: Lobatsi: USNM: 1 [1 - **1** - **1**].
18 June 1966: Botswana: Digomo De Kai: USNM: 1 [1 - **1** - **1**].
10 July 1966: Botswana: Ghanzi, 20 mi NE: USNM: 1 [1 - **1** - **1**].
4 September 1966: Botswana: Tamafupi: USNM: 2 [2 - **2** - **2**].
23 January 1967: Botswana: Mamuno [= Mamono], 150 mi S: USNM: 2 [2 - **2** - **2**].
24 January 1967: Botswana: Mamuno [= Mamono], 150 mi S: USNM: 2 [2 - **2** - **2**].
29 January 1967: Botswana: Tsane, 25 mi ENE: USNM: 2 [2 - **2** - **2**].
17 April 1967: Botswana: Sepopa: USNM: 2 [2 - **2** - **2**].
19 April 1967: Botswana: Sepopa: USNM: 1 [1 - **1** - **1**].
20 April 1967: Botswana: Sepopa: USNM: 1 [1 - **1** - **1**].
22 April 1967: Botswana: Sepopa: USNM: 1 [1 - **1** - **1**].
26 April 1967: Botswana: Tsodilo Hills: USNM: 4 [4 - **4** - **4**].
27 April 1967: Botswana: Tsodilo Hills: USNM: 1 [1 - **1** - **1**].
29 April 1967: Botswana: Tsodilo Hills: USNM: 2 [2 - **2** - **2**].
30 April 1967: Botswana: Tsodilo Hills: USNM: 4 [4 - **4** - **4**].
1 May 1967: Botswana: Tsodilo Hills: USNM: 3 [3 - **3** - **3**].
5 May 1967: Botswana: Shakawe: USNM: 2 [2 - **2** - **2**].
7 May 1967: Botswana: Shakawe: USNM: 6 [6 - **6** - **6**].

8 May 1967: Botswana: Shakawe: USNM: 1 [1 - **1** - **1**].
10 May 1967: Botswana: Shakawe: USNM: 2 [2 - **2** - **2**].
28 May 1967: Botswana: Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S: USNM: 8 [8 - **8** - **8**].
8 June 1967: Botswana: Drotsky's [= Drodsky] Caves: USNM: 53 [53 - **53** - **53**].
9 June 1967: Botswana: Drotsky's [= Drodsky] Caves: USNM: 25 [25 - **25** - **25**].
17 June 1967: Botswana: Maun: USNM: 2 [2 - **2** - **2**].
20 June 1967: Botswana: Maun: USNM: 2 [2 - **2** - **2**].
25 June 1967: Botswana: Nokaneng, 15 mi N: USNM: 2 [2 - **2** - **2**].
15 January 1968: Zimbabwe: Sabi-Lundi [= Save-Runde] R Confluence: USNM: 3 [3] - Sabi-Lundi confluence: ROM: 1 [1 - **4** - **4**].
16 January 1968: Zimbabwe: Sabi-Lundi [= Save-Runde] R Confluence: USNM: 1 [1 - **1** - **1**].
17 January 1968: Zimbabwe: Sabi-Lundi [= Save-Runde] R Confluence: USNM: 1 [1 - **1** - **1**].

Total Specimens for Liversedge, T.N.: 172

Livingstone, David

Collection Date Unknown: Comoros: Anjouan Island: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Livingstone, David: 2

Loat, W.L.S.

Collection Date Unknown: South Sudan: Mangala [=Mongalla]: BMNH: 1 [1] - Mongalla: BMNH: 3 [3 - **4** - **4**].

Total Specimens for Loat, W.L.S.: 4

Lobao Tello, José L.P.

Collection Date Unknown: Mozambique: Nogochene caves: AMNH: 11 [11 - **11** - **11**].
3 May 1972: Mozambique: Zinave: ROM: 4 [4 - **4** - **4**].
4 May 1972: Mozambique: Covane: ROM: 6 [6] - Macovane: ROM: 2 [2 - **8** - **8**].

Total Specimens for Lobao Tello, José L.P.: 23

Local, by

20 August 1963: Kenya: Kilifi: ROM: 1 [1 - **1** - **1**].

Total Specimens for Local, by: 1

Loder or Lorder

Collection Date Unknown: Uganda: Nabumali: BMNH: 1 [1 - **1** - **1**].
11 January 1965: Uganda: Nabumali: BMNH: 1 [1 - **1** - **1**].
11 March 1965: Uganda: Mbale: BMNH: 1 [1 - **1** - **1**].
29 March 1965: Uganda: Mbale: BMNH: 1 [1] - Nabumali: BMNH: 1 [1 - **2** - **2**].
5 April 1965: Uganda: Mbale: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Loder or Lorder: 6

Logier, E.B.S.

1 January 1931: Côte d'Ivoire: Bouaké: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Logier, E.B.S.: 1

Lohr, R.

11 April 1914: Egypt: Unknown locality: NMW: 1 [1 - **1** - **1**].

Total Specimens for Lohr, R.: 1

Long, Douglas J.

12 April 2001: São Tomé and Principé: Fundo de Igresa valley: CAS: 10 [10] - Ribeira Piexe: CAS: 2 [2 - **12** - **12**].
15 April 2001: São Tomé and Principé: Rio Contador valley, S side: CAS: 10 [10 - **10** - **10**].
20 April 2001: São Tomé and Principé: San Antonio: CAS: 33 [33 - **33** - **33**].
27 April 2001: São Tomé and Principé: Ponta Barra Bobo and Praia da Mutamba, coast road between: CAS: 11 [11] - Praia da Mutamba, 50 m inland coast road: CAS: 2 [2 - **13** - **13**].
29 April 2001: São Tomé and Principé: Fernandina Coco palm plantation: CAS: 4 [4 - **4** - **4**].

Total Specimens for Long, Douglas J.: 72

Long, H.

2 December 1932: South Africa: Punda Milia Camp: TM: 1 [1 - **1** - **1**].

Total Specimens for Long, H.: 1

Longhurst, William M.

11 January 1958: Uganda: Kasenyi: MVZ: 1 [1 - **1** - **1**].
19 January 1958: Uganda: Bukorwe Ridge: MVZ: 1 [1 - **1** - **1**].
21 January 1958: Uganda: Mweya: MVZ: 1 [1 - **1** - **1**].
24 January 1958: Uganda: Mweya: MVZ: 2 [2 - **2** - **2**].
1 February 1958: Uganda: Miveya: MVZ: 1 [1 - **1** - **1**].
22 February 1967: Uganda: Kampala: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Longhurst, William M.: 7

Loomis, Henry

28 August 1959: Tanzania: Grumetti: AMNH: 3 [3] - Ikoma: AMNH: 1 [1 - **4** - **4**].

Total Specimens for Loomis, Henry: 4

Lootens, P.

Collection Date Unknown: Congo (Democratic Republic of the): Boende: RMCA: 8 [8] - Bokuma: RMCA: 19 [19] - Bumba: RMCA: 1 [1] - Ikela: RMCA: 15 [15] - Wafanya: RMCA: 35 [35 - **78**].
Namibia: Unknown locality: RMCA: 2 [2] - Okatana: RMCA: 1 [1 - **3** - **81**].
1 January 1931: Congo (Democratic Republic of the): Boende: RMCA: 1 [1] - Bokuma: RMCA: 4 [4] - Ikela: RMCA: 2 [2 - **7** - **7**].
1 October 1950: Congo (Democratic Republic of the): Bokuma: RMCA: 2 [2 - **2** - **2**].
2 October 1950: Congo (Democratic Republic of the): Bokuma: RMCA: 1 [1 - **1** - **1**].
4 October 1950: Congo (Democratic Republic of the): Bokuma: RMCA: 1 [1 - **1** - **1**].
16 October 1950: Congo (Democratic Republic of the): Bokuma: RMCA: 3 [3 - **3** - **3**].
22 October 1950: Congo (Democratic Republic of the): Bokuma: RMCA: 1 [1 - **1** - **1**].
15 March 1951: Congo (Democratic Republic of the): Bongale: RMCA: 1 [1 - **1** - **1**].
22 March 1951: Congo (Democratic Republic of the): Bongale: RMCA: 1 [1 - **1** - **1**].
18 May 1951: Congo (Democratic Republic of the): Bokuma: RMCA: 1 [1 - **1** - **1**].
6 June 1951: Congo (Democratic Republic of the): Bokuma: RMCA: 1 [1 - **1** - **1**].
1 January 1952: Congo (Democratic Republic of the): Bokuma: RMCA: 1 [1 - **1** - **1**].
30 January 1952: Congo (Democratic Republic of the): Bokuma: RMCA: 3 [3 - **3** - **3**].
7 February 1952: Congo (Democratic Republic of the): Bokuma: RMCA: 4 [4 - **4** - **4**].
2 March 1952: Congo (Democratic Republic of the): Bokuma: RMCA: 5 [5 - **5** - **5**].
7 March 1952: Congo (Democratic Republic of the): Bokuma: RMCA: 1 [1 - **1** - **1**].
15 March 1952: Congo (Democratic Republic of the): Bokuma: RMCA: 3 [3 - **3** - **3**].
23 March 1952: Congo (Democratic Republic of the): Bokuma: RMCA: 3 [3 - **3** - **3**].
20 July 1952: Congo (Democratic Republic of the): Bokuma: RMCA: 1 [1 - **1** - **1**].
25 July 1952: Congo (Democratic Republic of the): Bokuma: RMCA: 2 [2 - **2** - **2**].
14 December 1952: Congo (Democratic Republic of the): Bokuma: RMCA: 1 [1 - **1** - **1**].
1 June 1953: Congo (Democratic Republic of the): Bokuma: RMCA: 11 [11 - **11** - **11**].
1 January 1954: Congo (Democratic Republic of the): Bokuma: RMCA: 37 [37 - **37** - **37**].
1 February 1954: Congo (Democratic Republic of the): Bokuma: RMCA: 2 [2 - **2** - **2**].
23 February 1954: Congo (Democratic Republic of the): Bokuma: RMCA: 3 [3 - **3** - **3**].
10 March 1954: Congo (Democratic Republic of the): Bokuma: RMCA: 1 [1 - **1** - **1**].
3 June 1955: Congo (Democratic Republic of the): Ikela: RMCA: 1 [1 - **1** - **1**].
1 January 1960: Congo (Democratic Republic of the): Tshuapa district: RMCA: 19 [19 - **19** - **19**].
1 January 1966: Congo (Democratic Republic of the): Boende: RMCA: 88 [88 - **88** - **88**].
18 November 1966: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].
1 January 1967: Congo (Democratic Republic of the): Boende: RMCA: 83 [83 - **83** - **83**].
1 January 1969: Congo (Democratic Republic of the): Boende: RMCA: 4 [4 - **4** - **4**].
8 January 1969: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].
11 January 1969: Congo (Democratic Republic of the): Boende: RMCA: 2 [2 - **2** - **2**].
1 October 1969: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].
1 November 1969: Congo (Democratic Republic of the): Boende: RMCA: 28 [28 - **28** - **28**].
1 December 1969: Congo (Democratic Republic of the): Boende: RMCA: 3 [3 - **3** - **3**].
1 January 1970: Congo (Democratic Republic of the): Boende: RMCA: 3 [3 - **3** - **3**].
1 February 1970: Congo (Democratic Republic of the): Boende: RMCA: 3 [3 - **3** - **3**].
1 August 1972: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].
1 January 1973: Congo (Democratic Republic of the): Boende: RMCA: 2 [2 - **2** - **2**].
1 January 1974: Congo (Democratic Republic of the): Boende: RMCA: 14 [14 - **14** - **14**].
22 July 1984: Congo (Democratic Republic of the): Boteka: RMCA: 1 [1 - **1** - **1**].
26 August 1984: Congo (Democratic Republic of the): Boteka: RMCA: 1 [1 - **1** - **1**].
1 February 1985: Congo (Democratic Republic of the): Boteka: RMCA: 10 [10 - **10** - **10**].
16 February 1985: Congo (Democratic Republic of the): Boteka: RMCA: 1 [1 - **1** - **1**].
31 March 1985: Congo (Democratic Republic of the): Boteka: RMCA: 1 [1 - **1** - **1**].
10 October 1985: Congo (Democratic Republic of the): Boteka: RMCA: 1 [1 - **1** - **1**].

14 October 1985: Congo (Democratic Republic of the): Boteka: RMCA: 1 [1 - **1** - **1**].
20 October 1985: Congo (Democratic Republic of the): Boteka: RMCA: 1 [1 - **1** - **1**].
25 October 1985: Congo (Democratic Republic of the): Boteka: RMCA: 1 [1 - **1** - **1**].
1 January 1986: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
1 December 1986: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
1 January 1987: Congo (Democratic Republic of the): Imbonga: RMCA: 2 [2 - **2** - **2**].
1 August 1987: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
1 October 1987: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
21 November 1987: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
25 November 1987: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
28 November 1987: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
5 December 1987: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
3 January 1988: Congo (Democratic Republic of the): Wafanya: RMCA: 5 [5 - **5** - **5**].
15 April 1988: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
1 May 1988: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
1 June 1988: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
30 September 1988: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
8 October 1988: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
20 November 1988: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
3 December 1988: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
5 December 1988: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
10 December 1988: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
1 January 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 7 [7 - **7** - **7**].
1 February 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
1 March 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
1 April 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
1 May 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 7 [7 - **7** - **7**].
1 July 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
1 August 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
10 August 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
17 August 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
29 August 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
30 August 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
2 September 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
4 September 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 4 [4 - **4** - **4**].
7 September 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
12 September 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 4 [4 - **4** - **4**].
14 September 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 3 [3 - **3** - **3**].
17 September 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
20 September 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
23 September 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
25 September 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 7 [7 - **7** - **7**].
3 October 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
7 October 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
10 October 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
11 October 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
12 October 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 9 [9 - **9** - **9**].
14 October 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
16 October 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
17 October 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
1 November 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 5 [5 - **5** - **5**].
1 December 1991: Congo (Democratic Republic of the): Wafanya: RMCA: 15 [15 - **15** - **15**].
1 January 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 6 [6 - **6** - **6**].
10 February 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
1 March 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 15 [15 - **15** - **15**].
5 March 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
20 March 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 6 [6 - **6** - **6**].
1 April 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 9 [9 - **9** - **9**].
8 April 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
15 April 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
18 April 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
20 April 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
21 April 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
26 April 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 3 [3 - **3** - **3**].
27 April 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 3 [3 - **3** - **3**].
28 April 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 8 [8 - **8** - **8**].
29 April 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
1 May 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 4 [4 - **4** - **4**].
4 May 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
8 May 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
10 May 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
12 May 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].
18 May 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 2 [2 - **2** - **2**].
19 May 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 3 [3 - **3** - **3**].
26 May 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 8 [8 - **8** - **8**].
28 May 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 1 [1 - **1** - **1**].

29 May 1992: Congo (Democratic Republic of the): Wafanya: RMCA: 11 [11 - **11** - **11**].
27 March 1993: Namibia: Windhoek: RMCA: 2 [2 - **2** - **2**].
1 April 1993: Namibia: Goas: RMCA: 1 [1] - Richthoven: RMCA: 2 [2 - **3** - **3**].
20 December 1994: Namibia: Oakwengaga: RMCA: 5 [5 - **5** - **5**].
21 December 1994: Namibia: Okatana: RMCA: 2 [2 - **2** - **2**].
1 May 1995: Namibia: Okatana: RMCA: 2 [2 - **2** - **2**].
12 May 1995: Namibia: Okatana: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Lootens, P.: 682

Lorch

Collection Date Unknown: Namibia: Nuichan [=Nuitsas]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Lorch: 1

Loring, John Alden
(1871 or 1872 - 1947)

Collection Date Unknown: South Sudan: Gondokoro: USNM: 1 [1 - **1**].
Uganda: Kampala: USNM: 3 [3 - **3** - **4**].
1 January 1909: South Sudan: Gondokoro: MCZ: 2 [2 - **2** - **2**].
18 May 1909: Kenya: Jula Farm: USNM: 1 [1 - **1** - **1**].
31 May 1909: Kenya: Nairobi: USNM: 1 [1 - **1** - **1**].
5 June 1909: Kenya: East Kyabe: USNM: 1 [1] - Kijabe Station: FMNH: 2 [2] - Kyabe Station: USNM: 7 [7] - Nairobi: USNM: 10 [10 - **20** - **20**].
12 June 1909: Kenya: South Nguasso Nyiro river: USNM: 3 [3 - **3** - **3**].
13 June 1909: Kenya: South Nguasso Nyiro river: USNM: 4 [4 - **4** - **4**].
14 June 1909: Kenya: South Nguasso Nyiro river: USNM: 4 [4 - **4** - **4**].
15 June 1909: Kenya: South Nguasso Nyiro river: USNM: 2 [2 - **2** - **2**].
21 June 1909: Kenya: South Nguasso Nyiro river: USNM: 1 [1 - **1** - **1**].
2 July 1909: Kenya: Engare Narok river: USNM: 1 [1 - **1** - **1**].
13 July 1909: Kenya: Lake Naivasha: USNM: 1 [1 - **1** - **1**].
18 July 1909: Kenya: Lake Naivasha: USNM: 6 [6] - Lake Naivasha, cave near: USNM: 7 [7 - **13** - **13**].
19 July 1909: Kenya: Lake Naivasha: USNM: 1 [1 - **1** - **1**].
20 July 1909: Kenya: Lake Naivasha: USNM: 1 [1] - South Nguasso Nyiro river: USNM: 2 [2 - **3** - **3**].
21 July 1909: Kenya: Lake Naivasha, E shore: USNM: 1 [1 - **1** - **1**].
5 August 1909: Kenya: Naivasha: USNM: 3 [3] - Naivasha Station: USNM: 1 [1 - **4** - **4**].
7 August 1909: Kenya: Naivasha Station: USNM: 6 [6 - **6** - **6**].
9 August 1909: Kenya: Naivasha Station: FMNH: 1 [1 - **1** - **1**].
10 August 1909: Kenya: Naivasha: USNM: 1 [1] - Naivasha Station: USNM: 3 [3 - **4** - **4**].
11 August 1909: Kenya: Fort Hall [=Muranga]: USNM: 1 [1 - **1** - **1**].
19 August 1909: Kenya: Lake Naivasha: USNM: 1 [1 - **1** - **1**].
11 September 1909: Kenya: Fort Hall [=Muranga]: USNM: 4 [4 - **4** - **4**].
12 September 1909: Kenya: Fort Hall [=Muranga]: USNM: 2 [2 - **2** - **2**].
9 November 1909: Kenya: Nairobi: USNM: 1 [1 - **1** - **1**].
16 November 1909: Kenya: Athi Station: USNM: 1 [1 - **1** - **1**].
27 November 1909: Kenya: Ulucania Hills: USNM: 3 [3 - **3** - **3**].
28 November 1909: Kenya: Ulucania Hills: USNM: 1 [1 - **1** - **1**].
29 November 1909: Kenya: Ulucania Hills: USNM: 3 [3 - **3** - **3**].
22 December 1909: Uganda: Kampala: USNM: 8 [8 - **8** - **8**].
10 January 1910: Uganda: Rhino Camp: USNM: 1 [1 - **1** - **1**].
13 January 1910: Uganda: Rhino Camp: USNM: 4 [4 - **4** - **4**].
15 January 1910: South Sudan: Ledgus: USNM: 1 [1 - **1** - **1**].
25 January 1910: Uganda: Rhino Camp: USNM: 23 [23 - **23** - **23**].
2 February 1910: Uganda: Rhino Camp: USNM: 1 [1 - **1** - **1**].
12 February 1910: South Sudan: Mnyouri Jardin: USNM: 1 [1 - **1** - **1**].
15 February 1910: South Sudan: Ledgus: USNM: 2 [2 - **2** - **2**].
19 February 1910: South Sudan: Gondokoro: USNM: 1 [1 - **1** - **1**].
20 February 1910: South Sudan: Gondokoro: USNM: 4 [4 - **4** - **4**].
21 February 1910: South Sudan: Gondokoro: USNM: 6 [6 - **6** - **6**].
22 February 1910: South Sudan: Gondokoro: USNM: 2 [2 - **2** - **2**].
23 February 1910: South Sudan: Gondokoro: USNM: 1 [1 - **1** - **1**].
24 February 1910: South Sudan: Gondokoro: USNM: 1 [1 - **1** - **1**].
25 February 1910: South Sudan: Gondokoro: FMNH: 6, USNM: 92 [98 - **98** - **98**].
28 February 1910: South Sudan: Gondokoro: USNM: 15 [15 - **15** - **15**].
21 March 1910: Sudan: Khartoum: USNM: 2 [2 - **2** - **2**].

Total Specimens for Loring, John Alden: 265

Louette, Michel

Collection Date Unknown: Morocco: Unknown locality: RMCA: 11 [11 - **11** - **11**].
22 July 1971: Morocco: Ifrane: RMCA: 1 [1 - **1** - **1**].
28 July 1971: Morocco: Meski: RMCA: 1 [1 - **1** - **1**].

1 August 1981: Comoros: La Coulée: RMCA: 3 [3 - **3** - **3**].
14 August 1981: Comoros: La Convalescence: RMCA: 1 [1 - **1** - **1**].
15 August 1981: Comoros: La Convalescence: RMCA: 1 [1 - **1** - **1**].
19 August 1981: Comoros: La Grille: RMCA: 24 [24 - **24** - **24**].
6 February 2010: Congo (Democratic Republic of the): Kikondja: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Louette, Michel: 43

Louides, G.J.P.

Collection Date Unknown: Tanzania: South Province: CAWM: 2 [2 - **2** - **2**].

Total Specimens for Louides, G.J.P.: 2

Loure; Hickmans

Collection Date Unknown: Zimbabwe: Salisbury: USNM: 1 [1 - **1** - **1**].

Total Specimens for Loure; Hickmans: 1

Lourens, J.H.

1 July 1970: Chad: Bébédjia: AMNH: 6 [6 - **6** - **6**].
10 July 1970: Chad: Bébédjia: ZMA: 1 [1 - **1** - **1**].
13 July 1970: Chad: Bébédjia: ZMA: 3 [3 - **3** - **3**].
14 July 1970: Chad: Bébédjia: ZMA: 1 [1 - **1** - **1**].
15 July 1970: Chad: Bébédjia: AMNH: 1, ZMA: 3 [4 - **4** - **4**].
17 July 1970: Chad: Bébédjia: AMNH: 1, ZMA: 20 [21 - **21** - **21**].
19 July 1970: Chad: Bébédjia: AMNH: 1 [1 - **1** - **1**].
24 July 1970: Chad: Bébédjia: ZMA: 1 [1 - **1** - **1**].
1 August 1970: Chad: Bébédjia: ZMA: 1 [1 - **1** - **1**].
2 August 1970: Chad: Bébédjia: ZMA: 1 [1 - **1** - **1**].
3 August 1970: Chad: Bébédjia: ZMA: 2 [2 - **2** - **2**].
5 August 1970: Chad: Bébédjia: ZMA: 1 [1 - **1** - **1**].
13 August 1970: Chad: Bébédjia: ZMA: 2 [2 - **2** - **2**].
15 August 1970: Chad: Bébédjia: ZMA: 1 [1 - **1** - **1**].
19 August 1970: Chad: Bébédjia: ZMA: 2 [2 - **2** - **2**].
20 August 1970: Chad: Bébédjia: ZMA: 1 [1 - **1** - **1**].
21 August 1970: Chad: Bébédjia: ZMA: 4 [4 - **4** - **4**].
8 July 1971: Chad: Bébédjia: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Lourens, J.H.: 54

Louwdes, C.J.P.

Collection Date Unknown: Tanzania: Liwale: CAWM: 1 [1 - **1** - **1**].

Total Specimens for Louwdes, C.J.P.: 1

Loveridge, Arthur
(1891 - 16 February 1980)

Collection Date Unknown: "Africa": East Africa: BMNH: 1 [1 - **1**].
Kenya: Mombasa: MCZ: 1 [1] - Ngatana: MCZ: 5 [5 - **6**].
Mozambique: Unknown locality: BMNH: 1 [1] - Lumbo: BMNH: 3 [3 - **4**].
Tanzania: Bagilo: MCZ: 4 [4] - Dar es Salaam: BMNH: 5 [5] - Dodoma: USNM: 1 [1] - Kilosa: BMNH: 1 [1] - Mbiji: BMNH: 2 [2] - Morogoro: BMNH: 8, USNM: 1 [9] - Ole: BMNH: 3 [3 - **25**].
Uganda: Mabira Forest: MCZ: 1 [1 - **1** - **37**].
25 October 1915: Kenya: Kabete: MCZ: 1 [1 - **1** - **1**].
11 January 1917: Tanzania: Morogoro: MCZ: 1 [1 - **1** - **1**].
17 January 1917: Tanzania: Morogoro: MCZ: 2 [2 - **2** - **2**].
14 February 1917: Tanzania: Morogoro: MCZ: 2 [2 - **2** - **2**].
29 March 1917: Tanzania: Morogoro: MCZ: 1 [1 - **1** - **1**].
2 April 1917: Tanzania: Morogoro: MCZ: 1 [1 - **1** - **1**].
3 April 1917: Tanzania: Morogoro: BMNH: 1, MCZ: 1 [2 - **2** - **2**].
21 April 1917: Tanzania: Kongwa: MCZ: 2 [2 - **2** - **2**].
13 July 1917: Tanzania: Morogoro: MCZ: 2 [2 - **2** - **2**].
15 September 1917: Tanzania: Morogoro: BMNH: 1 [1 - **1** - **1**].
8 October 1917: Tanzania: Morogoro: MCZ: 2 [2 - **2** - **2**].
11 November 1917: Tanzania: Morogoro: MCZ: 1 [1 - **1** - **1**].
11 January 1918: Kenya: Maragoro: AMNH: 1 [1 - **1** - **1**].
13 February 1918: Tanzania: Morogoro: USNM: 4 [4 - **4** - **4**].
6 April 1918: Kenya: Norogoro: USNM: 2 [2 - **2** - **2**].
20 May 1918: Kenya: Frere Town: MCZ: 2 [2] - Mombasa: MCZ: 1 [1 - **3** - **3**].
30 May 1918: Kenya: Mombasa: MCZ: 1 [1 - **1** - **1**].

25 June 1918: Tanzania: Dar es Salaam: MCZ: 1 [1 - **1** - **1**].
20 July 1918: Mozambique: Lumbo: BMNH: 2, MCZ: 1 [3 - **3** - **3**].
22 November 1918: Tanzania: Morogoro: BMNH: 1 [1 - **1** - **1**].
9 December 1918: Tanzania: Tabora: BMNH: 1 [1 - **1** - **1**].
20 January 1919: Tanzania: Dar es Salaam: BMNH: 2, MCZ: 2 [4 - **4** - **4**].
10 May 1920: Tanzania: Kilosa: KM: 2 [2 - **2** - **2**].
23 August 1920: Tanzania: Kilossa: AMNH: 1 [1 - **1** - **1**].
31 August 1920: Tanzania: Kilossa: AMNH: 1 [1 - **1** - **1**].
21 December 1920: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
8 January 1921: Tanzania: Kilossa: AMNH: 12 [12 - **12** - **12**].
26 January 1921: Tanzania: Kilossa: AMNH: 1 [1 - **1** - **1**].
4 February 1921: Tanzania: Kilossa: AMNH: 1 [1 - **1** - **1**].
17 February 1921: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
24 February 1921: Tanzania: Kilossa: AMNH: 1 [1 - **1** - **1**].
26 February 1921: Tanzania: Kilosa: MCZ: 5 [5 - **5** - **5**].
1 March 1921: Tanzania: Kilosa: MCZ: 1 [1] - Uluguru mountains: MCZ: 13 [13 - **14** - **14**].
26 March 1921: Tanzania: Kilossa: AMNH: 1 [1 - **1** - **1**].
1 April 1921: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
7 June 1921: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
8 June 1921: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
17 June 1921: Tanzania: Kilosa: MCZ: 2 [2] - Kilossa: AMNH: 1 [1 - **3** - **3**].
23 June 1921: Tanzania: Kilossa: AMNH: 1 [1 - **1** - **1**].
15 July 1921: Tanzania: Kilossa: AMNH: 1 [1 - **1** - **1**].
1 August 1921: Tanzania: Kilosa: MCZ: 7 [7 - **7** - **7**].
15 August 1921: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
1 September 1921: Tanzania: Kilosa: MCZ: 4 [4 - **4** - **4**].
28 October 1921: Tanzania: Mkalama: MCZ: 1 [1 - **1** - **1**].
17 November 1921: Tanzania: Kilosa: MCZ: 10 [10 - **10** - **10**].
18 January 1922: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
24 January 1922: Tanzania: Tindiga: BMNH: 1 [1 - **1** - **1**].
12 March 1922: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
6 May 1922: Tanzania: Bagilo: MCZ: 1, USNM: 1 [2 - **2** - **2**].
8 June 1922: Tanzania: Zanzibar: MCZ: 1 [1 - **1** - **1**].
6 July 1922: Tanzania: Bagilo: MCZ: 1 [1 - **1** - **1**].
3 October 1922: Tanzania: Ikungi: BMNH: 1 [1] - Suna: BMNH: 1 [1 - **2** - **2**].
20 October 1922: Tanzania: Muansa [=Mwanza]: MCZ: 2 [2 - **2** - **2**].
30 October 1922: Tanzania: Muansa [=Mwanza]: MCZ: 2 [2 - **2** - **2**].
4 November 1922: Tanzania: Sagaya: BMNH: 5 [5 - **5** - **5**].
19 November 1922: Kenya: Kisumu: FMNH: 1, MCZ: 1 [2 - **2** - **2**].
1 January 1923: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
23 February 1923: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
27 February 1923: Tanzania: Imbala: KU: 1 [1] - Kilosa: MCZ: 5 [5] - Mbala: USNM: 1 [1 - **7** - **7**].
23 April 1923: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
1 May 1923: Tanzania: Kilosa: FMNH: 2, MCZ: 2, USNM: 1 [5 - **5** - **5**].
3 May 1923: Tanzania: Kilosa: FMNH: 1 [1 - **1** - **1**].
4 May 1923: Tanzania: Kilosa: BMNH: 1, USNM: 1 [2 - **2** - **2**].
8 May 1923: Tanzania: Kilosa: BMNH: 1, FMNH: 8, MCZ: 3, USNM: 3 [15 - **15** - **15**].
10 May 1923: Tanzania: Kilosa: BMNH: 3, FMNH: 3, MCZ: 1 [7 - **7** - **7**].
3 June 1923: Tanzania: Kilosa: MCZ: 1 [1 - **1** - **1**].
17 August 1923: Tanzania: Pemba island: MCZ: 1 [1] - Zanzibar: MCZ: 2 [2 - **3** - **3**].
18 August 1923: Tanzania: Inkoani: BMNH: 1 [1 - **1** - **1**].
15 September 1923: Tanzania: Chakechake: BMNH: 1 [1 - **1** - **1**].
17 September 1923: Tanzania: Pemba island: MCZ: 1 [1 - **1** - **1**].
20 September 1923: Tanzania: Ole: MCZ: 1 [1 - **1** - **1**].
7 November 1923: Tanzania: Gulwe Station: BMNH: 1 [1 - **1** - **1**].
14 November 1923: Tanzania: Itende: BMNH: 1 [1 - **1** - **1**].
1 January 1926: Tanzania: Unknown locality: USNM: 1 [1 - **1** - **1**].
11 September 1926: Tanzania: Bagilo: MCZ: 8 [8 - **8** - **8**].
12 September 1926: Tanzania: Bagilo: MCZ: 3 [3 - **3** - **3**].
13 September 1926: Tanzania: Bagilo: MCZ: 3 [3 - **3** - **3**].
14 September 1926: Tanzania: Bagilo: MCZ: 9 [9 - **9** - **9**].
15 September 1926: Tanzania: Bagilo: MCZ: 20 [20 - **20** - **20**].
20 September 1926: Tanzania: Bagilo: FMNH: 2 [2 - **2** - **2**].
27 September 1926: Tanzania: Bagilo: MCZ: 9 [9 - **9** - **9**].
2 October 1926: Tanzania: Nyanga: MCZ: 1 [1 - **1** - **1**].
12 October 1926: Tanzania: Makangazi: MCZ: 4 [4] - Makarazi: MCZ: 1 [1] - Mkangasi: MCZ: 9 [9 - **14** - **14**].
25 October 1926: Tanzania: Bagilo: MCZ: 1 [1 - **1** - **1**].
28 October 1926: Tanzania: Bagilo: MCZ: 1 [1 - **1** - **1**].
21 November 1926: Tanzania: Amani: MCZ: 1 [1 - **1** - **1**].
23 November 1926: Tanzania: Amani: MCZ: 1 [1 - **1** - **1**].
24 November 1926: Tanzania: Amana reef: MCZ: 1 [1] - Amani: MCZ: 1 [1 - **2** - **2**].
29 November 1926: Tanzania: Amana reef: MCZ: 1 [1 - **1** - **1**].
8 December 1926: Tanzania: Kiserui: MCZ: 2 [2] - Kizerui: MCZ: 1 [1 - **3** - **3**].
22 December 1926: Tanzania: Philipstrof: MCZ: 1 [1 - **1** - **1**].
15 September 1927: Tanzania: Bagilo: MCZ: 4 [4 - **4** - **4**].
7 December 1929: Tanzania: Unyanganyi: FMNH: 2, MCZ: 28 [30] - Unyang'anyi: MCZ: 4 [4 - **34** - **34**].

17 December 1929: Tanzania: Savanda: MCZ: 4 [4 - **4** - **4**].
24 January 1930: Tanzania: Madehani: MCZ: 1 [1 - **1** - **1**].
25 January 1930: Tanzania: Madehani: MCZ: 2 [2 - **2** - **2**].
24 February 1930: Tanzania: Madehani: MCZ: 8 [8 - **8** - **8**].
25 February 1930: Tanzania: Madehani: MCZ: 2 [2 - **2** - **2**].
5 March 1930: Tanzania: Mwaya: MCZ: 1 [1] - Mwaya, southwestern: MCZ: 1 [1 - **2** - **2**].
6 March 1930: Tanzania: Mwaya, southwestern: MCZ: 2 [2] - Rungwa mountains: MCZ: 1 [1 - **3** - **3**].
7 March 1930: Tanzania: Mwaya: MCZ: 8 [8] - Rungwa mountains: MCZ: 2 [2 - **10** - **10**].
31 March 1930: Tanzania: Ilolo: MCZ: 1 [1 - **1** - **1**].
30 April 1930: Tanzania: Igala: MCZ: 1 [1 - **1** - **1**].
15 May 1930: Tanzania: Kitungulu, southwestern: MCZ: 1 [1 - **1** - **1**].
16 May 1930: Tanzania: Kasanga: MCZ: 1 [1 - **1** - **1**].
17 May 1930: Tanzania: Kasanga: MCZ: 9 [9 - **9** - **9**].
23 May 1930: Tanzania: Ujiji: MCZ: 1 [1 - **1** - **1**].
24 May 1930: Tanzania: Ujiji: FMNH: 1, MCZ: 12 [13 - **13** - **13**].
26 May 1930: Tanzania: Ujiji: MCZ: 2 [2 - **2** - **2**].
27 May 1930: Tanzania: Ujiji: MCZ: 2 [2 - **2** - **2**].
6 June 1930: Tanzania: Geita district: FMNH: 1 [1] - Muansa [=Mwanza]: MCZ: 14 [14 - **15** - **15**].
7 June 1930: Tanzania: Muansa [=Mwanza]: FMNH: 1, MCZ: 1 [2 - **2** - **2**].
10 June 1930: Tanzania: Ukerewe island: MCZ: 20 [20 - **20** - **20**].
14 June 1930: Tanzania: Ukerewe island: MCZ: 6 [6 - **6** - **6**].
18 June 1930: Tanzania: Ukerewe island: MCZ: 3 [3 - **3** - **3**].
13 November 1933: Uganda: Mount Debasien: MCZ: 1 [1 - **1** - **1**].
7 December 1933: Uganda: Sebei: MCZ: 2 [2 - **2** - **2**].
18 December 1933: Uganda: Sipi: MCZ: 6 [6 - **6** - **6**].
21 December 1933: Uganda: Sipi: MCZ: 6 [6 - **6** - **6**].
23 December 1933: Uganda: Sipi: MCZ: 1 [1 - **1** - **1**].
4 January 1934: Kenya: Mount Elgon: MCZ: 1 [1 - **1** - **1**].
7 January 1934: Kenya: Lamu Island, Southeast Coast: MCZ: 1 [1 - **1** - **1**].
8 January 1934: Kenya: Lamu Island: MCZ: 5 [5] - Lamu Island, Southeast Coast: MCZ: 3 [3 - **8** - **8**].
9 January 1934: Kenya: Kaimosi: MCZ: 2 [2 - **2** - **2**].
10 January 1934: Uganda: Butandiga: MCZ: 1 [1 - **1** - **1**].
12 January 1934: Kenya: Kaimosi: MCZ: 1 [1 - **1** - **1**].
13 January 1934: Kenya: Kaimosi: MCZ: 1 [1 - **1** - **1**].
18 January 1934: Kenya: Golbanti: MCZ: 1 [1] - Kitau: MCZ: 1 [1 - **2** - **2**].
20 January 1934: Kenya: Kaimosi: MCZ: 1 [1 - **1** - **1**].
23 January 1934: Kenya: Kirui: MCZ: 11 [11] - Mount Elgon: MCZ: 2 [2 - **13** - **13**].
24 January 1934: Kenya: Mount Elgon: MCZ: 1 [1 - **1** - **1**].
25 January 1934: Kenya: Kaimosi: MCZ: 1 [1 - **1** - **1**].
26 January 1934: Kenya: Kaimosi: MCZ: 1 [1 - **1** - **1**].
27 January 1934: Kenya: Kaimosi: MCZ: 3 [3 - **3** - **3**].
28 January 1934: Kenya: Kaimosi: MCZ: 1 [1 - **1** - **1**].
29 January 1934: Kenya: Kirui: MCZ: 1 [1] - Mkonumbi: MCZ: 1 [1 - **2** - **2**].
4 February 1934: Kenya: Mount Elgon: MCZ: 2 [2 - **2** - **2**].
5 February 1934: Kenya: Mount Elgon: MCZ: 1 [1 - **1** - **1**].
25 February 1934: Kenya: Kaimosi: MCZ: 1 [1 - **1** - **1**].
26 February 1934: Kenya: Kaimosi: MCZ: 2 [2 - **2** - **2**].
27 February 1934: Kenya: Kaimosi: MCZ: 2 [2] - Kakamega: CM: 1 [1 - **3** - **3**].
1 March 1934: Kenya: Kaimosi: MCZ: 1 [1 - **1** - **1**].
14 March 1934: Kenya: Kikuyu: MCZ: 12, USNM: 1 [13 - **13** - **13**].
30 March 1934: Kenya: Tsavo: MCZ: 7 [7 - **7** - **7**].
7 April 1934: Kenya: Voi: MCZ: 1 [1 - **1** - **1**].
11 April 1934: Kenya: Voi: MCZ: 1 [1 - **1** - **1**].
23 April 1934: Kenya: Mbololo, mount: CM: 1, MCZ: 7 [8 - **8** - **8**].
7 May 1934: Kenya: Lamu Island, Southeast Coast: MCZ: 5 [5 - **5** - **5**].
8 May 1934: Kenya: Lamu Island: FMNH: 1, MCZ: 6 [7] - Lamu Island, Southeast Coast: MCZ: 2 [2 - **9** - **9**].
1 June 1934: Kenya: Ngatana: MCZ: 5 [5] - Witu: MCZ: 2 [2 - **7** - **7**].
5 June 1934: Kenya: Ngatana: MCZ: 1 [1 - **1** - **1**].
14 June 1934: Kenya: Ngatana: MCZ: 11 [11 - **11** - **11**].
22 June 1934: Kenya: Mbololo, mount: MCZ: 1 [1 - **1** - **1**].
5 November 1938: Uganda: Budongo Forest: MCZ: 1 [1 - **1** - **1**].
24 November 1938: Uganda: Buchanan Sawmills: MCZ: 22 [22] - Budongo Forest: MCZ: 1 [1 - **23** - **23**].
26 November 1938: Uganda: Budongo Forest: MCZ: 9 [9 - **9** - **9**].
2 December 1938: Uganda: Budongo Forest: MCZ: 1 [1 - **1** - **1**].
19 December 1938: Uganda: Kibale Forest: MCZ: 5 [5 - **5** - **5**].
1 January 1939: Uganda: Mihunga: MCZ: 1 [1 - **1** - **1**].
12 January 1939: Uganda: Minunga: MCZ: 1 [1 - **1** - **1**].
4 March 1939: Congo (Democratic Republic of the): Idjwi, Island: MCZ: 4 [4 - **4** - **4**].
3 April 1939: Tanzania: Kitaya: MCZ: 11 [11 - **11** - **11**].
15 April 1939: Tanzania: Mikindani: MCZ: 2 [2 - **2** - **2**].
26 April 1939: Tanzania: Mbanja [= Mbangala]: MCZ: 3 [3 - **3** - **3**].
28 April 1939: Tanzania: Mbanja [= Mbangala]: MCZ: 1 [1 - **1** - **1**].
3 May 1939: Tanzania: Mbanja [= Mbangala]: MCZ: 1 [1 - **1** - **1**].
4 May 1939: Tanzania: Mbanja [= Mbangala]: MCZ: 14 [14 - **14** - **14**].
6 June 1939: Tanzania: Siga caves: MCZ: 25 [25 - **25** - **25**].
8 June 1939: Tanzania: Siga caves: MCZ: 53 [53] - Tanga, near: MCZ: 13 [13 - **66** - **66**].

9 June 1939: Tanzania: Tanga, near: MCZ: 1 [1 - **1** - **1**].
10 June 1939: Tanzania: Siga caves: MCZ: 3 [3 - **3** - **3**].
14 June 1939: Tanzania: Siga caves: MCZ: 1 [1 - **1** - **1**].
26 June 1939: Tanzania: Magrotto Estate: MCZ: 1 [1 - **1** - **1**].
29 June 1939: Tanzania: Magrotto Estate: MCZ: 9 [9 - **9** - **9**].
1 July 1939: Tanzania: Magrotto mountains: MCZ: 10 [10 - **10** - **10**].
11 July 1939: Tanzania: Magrotto Estate: MCZ: 19 [19 - **19** - **19**].
13 July 1939: Tanzania: Magrotto Estate: MCZ: 1 [1 - **1** - **1**].
20 July 1948: Malawi: Chitala River: MCZ: 1 [1 - **1** - **1**].
29 July 1948: Malawi: Likabula river: MCZ: 5 [5 - **5** - **5**].
3 August 1948: Malawi: Likabula river: MCZ: 1 [1 - **1** - **1**].
3 September 1948: Malawi: Zomba Plateau: MCZ: 6 [6 - **6** - **6**].
25 September 1948: Malawi: Matipa-Wilindi Ridge: MCZ: 6 [6 - **6** - **6**].
13 December 1948: Malawi: Chitala River: MCZ: 26 [26 - **26** - **26**].
14 December 1948: Malawi: Chitala River: MCZ: 10 [10 - **10** - **10**].
16 December 1948: Malawi: Chitala River: MCZ: 1 [1 - **1** - **1**].
15 January 1949: Mozambique: Tete, near: MCZ: 1 [1 - **1** - **1**].
20 January 1949: Mozambique: Tete, near: MCZ: 1 [1 - **1** - **1**].
25 January 1949: Mozambique: Kasumbadedza: MCZ: 1 [1] - Tete, near: MCZ: 4 [4 - **5** - **5**].
15 February 1949: Malawi: Tembuka: MCZ: 1 [1 - **1** - **1**].
16 February 1949: Malawi: Fort Johnston [= Mangochi]: MCZ: 1 [1] - Tembuka: MCZ: 1 [1 - **2** - **2**].
18 February 1949: Malawi: Tembuka: MCZ: 1 [1 - **1** - **1**].
25 February 1949: Malawi: Kausi: MCZ: 1 [1] - Tembuka: MCZ: 1 [1 - **2** - **2**].
28 February 1949: Malawi: Tembuka: MCZ: 1 [1 - **1** - **1**].
1 March 1949: Malawi: Tembuka: MCZ: 2 [2 - **2** - **2**].
3 March 1949: Malawi: Tembuka: MCZ: 1 [1 - **1** - **1**].
4 March 1949: Malawi: Tembuka: MCZ: 2 [2 - **2** - **2**].
18 March 1949: Malawi: Cholo, mount: MCZ: 1 [1 - **1** - **1**].
21 March 1949: Malawi: Cholo, mount: MCZ: 1 [1 - **1** - **1**].
1 April 1949: Malawi: Mlanje: MCZ: 2 [2 - **2** - **2**].
19 September 1987: Kenya: Mount Elgon: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Loveridge, Arthur: 869

Loveridge, Arthur; Swaythling, Ld.

20 May 1918: Kenya: Mombassa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Loveridge, Arthur; Swaythling, Ld.: 1

Lovett, J.C.

24 March 1987: Tanzania: Ngwazi Estate: SMF: 1 [1 - **1** - **1**].

Total Specimens for Lovett, J.C.: 1

Lowe, Willoughby P.

Collection Date Unknown: Sierra Leone: Tasso island: BMNH: 1 [1 - **1** - **1**].
31 December 1912: Kenya: Baringo, 30 mi NW: BMNH: 1 [1 - **1** - **1**].
13 December 1913: Sudan: Sennaar, 20 mi [=30 km] above: BMNH: 1 [1 - **1** - **1**].
27 January 1914: Sudan: Fashoda, near: BMNH: 1 [1 - **1** - **1**].
3 February 1914: South Sudan: Bahr-el-Zeraf, near mouth: BMNH: 1 [1 - **1** - **1**].
26 December 1919: Nigeria: Lagos: BMNH: 1 [1 - **1** - **1**].
7 January 1920: Nigeria: Lagos: BMNH: 1 [1 - **1** - **1**].
28 May 1921: Sudan: Zalingei: BMNH: 1 [1 - **1** - **1**].
30 May 1921: Sudan: Zalingei: BMNH: 1 [1 - **1** - **1**].
31 May 1921: Sudan: Zalingei: BMNH: 1 [1 - **1** - **1**].
7 December 1934: Ghana: Goaso: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Lowe, Willoughby P.: 11

Lowery, R.

9 April 1968: Seychelles: Picard Island: USNM: 1 [1 - **1** - **1**].

Total Specimens for Lowery, R.: 1

Lübbert

Collection Date Unknown: Namibia: Windhoek: ZMB: 4 [4 - **4** - **4**].

Total Specimens for Lübbert: 4

Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko

27 December 1990: Congo (Democratic Republic of the): Nyabiondo: ZMA: 1 [1 - **1** - **1**].
28 December 1990: Congo (Democratic Republic of the): Nyabiondo: ZMA: 2 [2 - **2** - **2**].
29 December 1990: Congo (Democratic Republic of the): Nyabiondo: ZMA: 1 [1 - **1** - **1**].
30 December 1990: Congo (Democratic Republic of the): Nyabiondo: ZMA: 3 [3 - **3** - **3**].
1 January 1991: Congo (Democratic Republic of the): Nyabiondo: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko: 9

Lucan, Radek K.

6 December 2010: Egypt: Hindaw: NMP: 1 [1 - **1** - **1**].
13 October 2011: Egypt: Al Rashda: NMP: 4 [4 - **4** - **4**].
17 October 2011: Egypt: Al Bahariya: NMP: 3 [3 - **3** - **3**].

Total Specimens for Lucan, Radek K.: 8

Lühe

Collection Date Unknown: Tunisia: Mu'tamadiyat: ZMB: 1 [1] - Tebourba: ZMB: 59 [59] - Tebourba, cave near: ZMB: 15 [15] - Tunis: ZMB: 19 [19 - **94** - **94**].
12 March 1898: Tunisia: Tebourba: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Lühe: 96

Luies, D.D.

Collection Date Unknown: Kenya: Shikusa: NMK: 2 [2 - **2** - **2**].

Total Specimens for Luies, D.D.: 2

Luja

Collection Date Unknown: Congo (Democratic Republic of the): Kondue: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Luja: 2

Lukamba, P.

Collection Date Unknown: "Africa": Unknown locality: ZMA: 4 [4 - **4** - **4**].
17 September 2005: Congo (Democratic Republic of the): Forest NE of Luki Biosphere Reserve: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Lukamba, P.: 5

Lumsden, W.H.R.

Collection Date Unknown: Tanzania: Mgogoni: BMNH: 5 [5 - **5** - **5**].
25 August 1954: Tanzania: Barawa: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Lumsden, W.H.R.: 8

Lunde, Darrin P.

2 July 1996: Uganda: Enkombe Sawmill: FMNH: 1 [1] - Maramagambo Forest: AMNH: 2 [2 - **3** - **3**].
3 July 1996: Uganda: Maramagambo Forest: AMNH: 1 [1 - **1** - **1**].
6 July 1996: Uganda: Enkombe Sawmill: FMNH: 1 [1] - Maramagambo Forest: AMNH: 2 [2 - **3** - **3**].
13 July 1996: Uganda: Enkombe Sawmill: FMNH: 2 [2] - Maramagambo Forest: AMNH: 2 [2 - **4** - **4**].
14 July 1996: Uganda: Enkombe Sawmill: FMNH: 1 [1] - Maramagambo Forest: AMNH: 2 [2 - **3** - **3**].
15 July 1996: Uganda: Enkombe Sawmill: FMNH: 5 [5] - Maramagambo Forest: AMNH: 12 [12 - **17** - **17**].
16 July 1996: Uganda: Maramagambo Forest: AMNH: 1 [1 - **1** - **1**].
19 July 1996: Uganda: Maramagambo Forest: AMNH: 1 [1 - **1** - **1**].
20 July 1996: Uganda: Maramagambo Forest: AMNH: 1 [1 - **1** - **1**].
1 November 1996: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
19 November 1996: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].
20 November 1996: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
22 November 1996: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
27 November 1996: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
30 November 1996: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].
2 December 1996: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
3 December 1996: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
7 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 3 [3 - **3** - **3**].
8 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].
9 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].
10 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].

12 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
14 July 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Lunde, Darrin P.: 55

Lundell, H.W.

Collection Date Unknown: Ethiopia: Bilo: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Lundell, H.W.: 1

Lundholm, B.

4 August 1949: South Africa: Sterkfontein caves: TM: 4 [4 - **4** - **4**].

Total Specimens for Lundholm, B.: 4

Luttik, R.

13 December 1982: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
29 January 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
31 January 1983: Tanzania: Capri Point: ZMA: 2 [2 - **2** - **2**].
8 February 1983: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
12 February 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
26 February 1983: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
1 March 1983: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
29 March 1983: Tanzania: Dar es Salaam: ZMA: 2 [2 - **2** - **2**].
3 April 1983: Tanzania: Unknown locality: ZMA: 1 [1 - **1** - **1**].
10 April 1983: Tanzania: Isamilo: ZMA: 4 [4 - **4** - **4**].
17 April 1983: Tanzania: Isamilo: ZMA: 1 [1 - **1** - **1**].
21 April 1983: Tanzania: Isamilo: ZMA: 4 [4 - **4** - **4**].
22 April 1983: Tanzania: Isamilo: ZMA: 1 [1 - **1** - **1**].
30 April 1983: Tanzania: Dar es Salaam: ZMA: 1 [1 - **1** - **1**].
3 May 1983: Tanzania: Isamilo: ZMA: 1 [1 - **1** - **1**].
6 May 1983: Tanzania: Isamilo: ZMA: 3 [3 - **3** - **3**].
14 May 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
15 May 1983: Tanzania: Capri Point: ZMA: 2 [2 - **2** - **2**].
17 May 1983: Tanzania: Capri Point: ZMA: 10 [10 - **10** - **10**].
18 May 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
19 May 1983: Tanzania: Capri Point: ZMA: 3 [3 - **3** - **3**].
23 May 1983: Tanzania: Capri Point: ZMA: 2 [2 - **2** - **2**].
30 May 1983: Tanzania: Nyegezi: ZMA: 1 [1 - **1** - **1**].
19 June 1983: Tanzania: Capri Point: ZMA: 1 [1] - Mwanza: ZMA: 1 [1 - **2** - **2**].
27 June 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
11 September 1983: Tanzania: Mwanza: ZMA: 2 [2 - **2** - **2**].
13 September 1983: Tanzania: Nyegezi: ZMA: 8 [8 - **8** - **8**].
4 November 1983: Tanzania: Capri Point: ZMA: 3 [3 - **3** - **3**].
6 November 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
10 November 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
11 November 1983: Tanzania: Capri Point: ZMA: 2 [2 - **2** - **2**].
12 November 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
13 November 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
14 November 1983: Tanzania: Capri Point: ZMA: 2 [2 - **2** - **2**].
15 November 1983: Tanzania: Capri Point: ZMA: 3 [3 - **3** - **3**].
18 November 1983: Tanzania: Capri Point: ZMA: 3 [3 - **3** - **3**].
19 November 1983: Tanzania: Capri Point: ZMA: 4 [4 - **4** - **4**].
20 November 1983: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
24 November 1983: Tanzania: Capri Point: ZMA: 2 [2] - Nyegezi: ZMA: 1 [1 - **3** - **3**].
25 November 1983: Tanzania: Sengerema: ZMA: 3 [3 - **3** - **3**].
26 November 1983: Tanzania: Sengerema: ZMA: 1 [1 - **1** - **1**].
29 November 1983: Tanzania: Bwiru: ZMA: 2 [2] - Capri Point: ZMA: 1 [1] - Wiru: ZMA: 2 [2 - **5** - **5**].
1 December 1983: Tanzania: Capri Point: ZMA: 1 [1] - Mwanza: ZMA: 2 [2 - **3** - **3**].
21 December 1983: Tanzania: Kamanga: ZMA: 2 [2 - **2** - **2**].
31 December 1983: Tanzania: Kamanga: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Luttik, R.: 99

Lynes, Hubert
(1874 - 1942)

5 April 1914: Sudan: Erkovit: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Lynes, Hubert: 1

Lynes, Hubert; Lowe, Willoughby P.

5 April 1921: Sudan: Jebel Marra, S foothills: BMNH: 1 [1 - **1** - **1**].
30 May 1921: Sudan: Zalingei: BMNH: 1 [1 - **1** - **1**].
31 May 1921: Sudan: Zalingei: BMNH: 1 [1 - **1** - **1**].
3 April 1924: Sudan: S Jebel Marra, foothills: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Lynes, Hubert; Lowe, Willoughby P.: 4

Lynes, J.

21 February 1920: Sudan: Khor Mallum: USNM: 1 [1 - **1** - **1**].

Total Specimens for Lynes, J.: 1

Maberly, C.J. Ashley

Collection Date Unknown: South Africa: Farm Duiwelskloof 376 [=Mokeetsi]: TM: 1 [1 - **1** - **1**].

Total Specimens for Maberly, C.J. Ashley: 1

MacFadyen, D.; Kone, J.

24 November 2000: South Africa: Pafuri: TM: 25 [25 - **25** - **25**].

Total Specimens for MacFadyen, D.; Kone, J.: 25

MacFayden, W.A.

21 January 1948: Somalia: Hargeisa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for MacFayden, W.A.: 1

MacGillivray, William S.
(1796 - 1852)

Collection Date Unknown: Madeira (Portugal): Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for MacGillivray, William S.: 1

Machakos

28 August 1983: Kenya: Kiboko: HZM: 1 [1 - **1** - **1**].

Total Specimens for Machakos: 1

Machris-Knudsen Expedition, the

16 March 1963: Kenya: Tana River: LACM: 1 [1 - **1** - **1**].
2 May 1963: Uganda: Budongo Forest: LACM: 3 [3 - **3** - **3**].

Total Specimens for Machris-Knudsen Expedition, the: 4

Mack

Collection Date Unknown: Cameroon: Mamfe: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Mack: 1

MacKilligan, Arthur M.

Collection Date Unknown: Ghana: Unknown locality: BMNH: 1 [1 - **1** - **1**].
3 August 1903: Egypt: Eastern desert of Egypt: BMNH: 1 [1 - **1** - **1**].
12 August 1903: Sudan: Wadi Alagi: BMNH: 1 [1 - **1** - **1**].
14 August 1903: Sudan: Wadi Alagi: BMNH: 1 [1 - **1** - **1**].

Total Specimens for MacKilligan, Arthur M.: 4

Maclatchy, Alain

8 July 1948: Gabon: Mouila: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Maclatchy, Alain: 1

Maclatchy, Alain; Malbrant, René

Collection Date Unknown: Congo: Brazzaville: AMNH: 2 [2] - Ewo: AMNH: 1 [1] - Kango: AMNH: 1 [1 - **4**].
Gabon: Booué: MNHN: 1 [1] - Kango: AMNH: 8, MNHN: 4 [12 - **13** - **17**].
12 May 1942: Congo: Mouyondzi: AMNH: 5 [5 - **5** - **5**].
18 June 1942: Congo: Komono: AMNH: 10 [10 - **10** - **10**].
1 November 1942: Congo: Brazzaville: AMNH: 11 [11] - Brazzaville, near: AMNH: 3 [3 - **14** - **14**].
1 January 1943: Congo: Kinkala: AMNH: 1 [1] - Mouyondzi: AMNH: 6 [6 - **7** - **7**].
16 January 1943: Congo: Pointe-Noire: AMNH: 4 [4 - **4** - **4**].
7 April 1943: Congo: N'Gabi: AMNH: 3 [3 - **3** - **3**].
9 April 1943: Congo: N'Gabi: AMNH: 1 [1 - **1** - **1**].
14 April 1943: Congo: N'Gabi: AMNH: 3 [3 - **3** - **3**].
20 April 1943: Congo: N'Gabi: AMNH: 1 [1 - **1** - **1**].
22 April 1943: Congo: N'Gabi: AMNH: 3 [3 - **3** - **3**].
6 May 1943: Congo: N'Gabi: AMNH: 7 [7 - **7** - **7**].
18 May 1943: Congo: Brazzaville: AMNH: 4 [4] - N'Gabi: AMNH: 2 [2 - **6** - **6**].
1 August 1943: Congo: Brazzaville: AMNH: 3 [3] - Kelé: AMNH: 1 [1 - **4** - **4**].
18 November 1943: Congo: Brazzaville: AMNH: 3 [3] - Brazzaville, near: AMNH: 2 [2 - **5** - **5**].
25 April 1945: Gabon: Lastoursville: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Maclatchy, Alain; Malbrant, René: 91

Maclaud, C.

1 January 1896: Guinea: Conakry Island: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Maclaud, C.: 1

Maclure, J.P.

8 June 1966: Uganda: near Arua: ROM: 3 [3 - **3** - **3**].
28 June 1966: Uganda: Arua: ROM: 2 [2 - **2** - **2**].
30 June 1966: Uganda: Arua: ROM: 1 [1 - **1** - **1**].
1 July 1966: Uganda: Arua: ROM: 2 [2] - near Arua: ROM: 2 [2 - **4** - **4**].
4 July 1966: Uganda: near Arua: ROM: 3 [3 - **3** - **3**].
5 July 1966: Uganda: near Arua: ROM: 3 [3 - **3** - **3**].
6 July 1966: Uganda: near Arua: ROM: 1 [1 - **1** - **1**].
7 July 1966: Uganda: Arua: ROM: 1 [1] - near Arua: ROM: 1 [1 - **2** - **2**].
8 July 1966: Uganda: near Arua: ROM: 1 [1 - **1** - **1**].
9 July 1966: Uganda: Arua: ROM: 1 [1] - near Arua: ROM: 2 [2 - **3** - **3**].
10 July 1966: Uganda: near Arua: ROM: 2 [2 - **2** - **2**].
11 July 1966: Uganda: Arua: ROM: 1 [1] - near Arua: ROM: 1 [1 - **2** - **2**].
13 July 1966: Uganda: near Arua: ROM: 1 [1 - **1** - **1**].
9 August 1966: Uganda: Arua: ROM: 1 [1] - Goli: ROM: 4 [4 - **5** - **5**].
11 August 1966: Uganda: Arua: ROM: 2 [2] - near Arua: ROM: 1 [1 - **3** - **3**].
12 August 1966: Uganda: near Arua: ROM: 3 [3 - **3** - **3**].
13 August 1966: Uganda: Arua: ROM: 1 [1 - **1** - **1**].
16 August 1966: Uganda: Arua: ROM: 2 [2 - **2** - **2**].
17 August 1966: Uganda: Arua: ROM: 1 [1 - **1** - **1**].
18 August 1966: Uganda: Arua: ROM: 12 [12 - **12** - **12**].
7 September 1966: Uganda: Arua: ROM: 1 [1 - **1** - **1**].
13 September 1966: Uganda: Arua, 32 km N: ROM: 1 [1] - Mount Wati: ROM: 14 [14 - **15** - **15**].

Total Specimens for Maclure, J.P.: 71

Madkour, Gamal

15 December 1965: Egypt: Abu Rawash: CM: 2 [2 - **2** - **2**].
27 March 1966: Egypt: Abu Rawash: CM: 1 [1 - **1** - **1**].
16 December 1966: Egypt: Abu Rawash: CM: 1 [1 - **1** - **1**].
23 January 1967: Egypt: Abu Rawash: CM: 1 [1 - **1** - **1**].

Total Specimens for Madkour, Gamal: 5

Madsen, Harry

21 May 1927: Mali: Mopti: FMNH: 1 [1 - **1** - **1**].
24 May 1927: Mali: Mopti: FMNH: 1 [1 - **1** - **1**].
6 June 1927: Mali: Timbuktu: FMNH: 2 [2 - **2** - **2**].
9 June 1927: Mali: Timbuktu: ZMUC: 8 [8 - **8** - **8**].
7 November 1927: Niger: Zinder: FMNH: 3 [3 - **3** - **3**].
17 November 1927: Niger: Zinder: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Madsen, Harry: 16

Maes

Collection Date Unknown: Congo (Democratic Republic of the): Bokala: RMCA: 1 [1] - Mpe: RMCA: 2 [2] - Oshwe: RMCA: 16 [16 - **19** - **19**].

Total Specimens for Maes: 19

Maes, Vedast (Gaston Alfons)
(10 May 1906 - 14 February 1994)

1 July 1961: Congo (Democratic Republic of the): Bwamanda: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Maes, Vedast (Gaston Alfons): 2

Maillard, M.

Collection Date Unknown: Réunion: Réunion Island: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Maillard, M.: 1

Major, Charles Immanuel Forsyth
(15 August 1843: Glasgow - 1923)

Collection Date Unknown: Madagascar: Ampitambé: BMNH: 1 [1] - Ivokimanitra: BMNH: 1 [1] - Madagascar: BMNH: 1 [1 - **3** - **3**].
1 January 1895: Madagascar: Ambohimitombo [= Ambohimitombo]: FMNH: 1 [1 - **1** - **1**].
2 February 1895: Madagascar: Ambositra: BMNH: 1 [1 - **1** - **1**].
3 July 1895: Madagascar: Fandriana region: BMNH: 1 [1] - Imasindrary [=Sahamananina]: BMNH: 1 [1 - **2** - **2**].
23 March 1896: Madagascar: Ampitambé: FMNH: 1 [1 - **1** - **1**].
8 April 1896: Madagascar: Ambositra: BMNH: 2 [2 - **2** - **2**].
6 June 1896: Madagascar: Amboasary: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Major, Charles Immanuel Forsyth: 11

Makawa, J.

Collection Date Unknown: Zambia: Bulaya: BMNH: 1 [1] - Salujinga: NHMZ: 3 [3 - **4** - **4**].

Total Specimens for Makawa, J.: 4

Malakatis, G.M.

30 April 1951: Egypt: Wadi el Natroun: USNM: 3 [3 - **3** - **3**].

Total Specimens for Malakatis, G.M.: 3

Malakatis, G.M.; Kuntz, Robert E.

8 June 1951: Egypt: Abu Rawash: USNM: 1 [1 - **1** - **1**].
21 March 1952: Egypt: Siwa Oasis: USNM: 6 [6 - **6** - **6**].
1 January 1953: Egypt: Gizeh: OMNH: 2 [2 - **2** - **2**].

Total Specimens for Malakatis, G.M.; Kuntz, Robert E.: 9

Malaurent

10 December 1891: Madagascar: Unknown locality: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Malaurent: 1

Malawi Mammal Expedition, The

7 July 2004: Malawi: Zovo Chipolo Forest: FMNH: 1 [1 - **1** - **1**].
8 July 2004: Malawi: Lake Kaulime: FMNH: 1 [1 - **1** - **1**].
10 July 2004: Malawi: Zovo Chipolo Forest: FMNH: 1 [1 - **1** - **1**].
14 July 2004: Malawi: Zovo Chipolo Forest: FMNH: 1 [1 - **1** - **1**].
15 July 2004: Malawi: Zovo Chipolo Forest: FMNH: 1 [1 - **1** - **1**].
27 July 2004: Malawi: Chilinda Camp: FMNH: 3 [3 - **3** - **3**].
28 July 2004: Malawi: Chilinda Camp: FMNH: 1 [1 - **1** - **1**].
1 August 2004: Malawi: Chilinda Camp: FMNH: 1 [1 - **1** - **1**].
18 September 2005: Malawi: Chongoni Forest Reserve: FMNH: 5 [5 - **5** - **5**].
20 September 2005: Malawi: Chongoni Forest Reserve: FMNH: 1 [1 - **1** - **1**].
24 September 2005: Malawi: Ntchisi Forest Reserve: FMNH: 1 [1 - **1** - **1**].
25 September 2005: Malawi: Ntchisi Forest Reserve: FMNH: 8 [8 - **8** - **8**].

27 September 2005: Malawi: Ntchisi Forest Reserve: FMNH: 7 [7 - **7** - **7**].
28 September 2005: Malawi: Ntchisi Forest Reserve: FMNH: 1 [1 - **1** - **1**].
29 September 2005: Malawi: Ntchisi Forest Reserve: FMNH: 3 [3 - **3** - **3**].
30 September 2005: Malawi: Ntchisi Forest Reserve: FMNH: 9 [9 - **9** - **9**].
1 October 2005: Malawi: Ntchisi Forest Reserve: FMNH: 3 [3 - **3** - **3**].
2 October 2005: Malawi: Ntchisi Forest Reserve: FMNH: 2 [2 - **2** - **2**].
3 October 2005: Malawi: Ntchisi Forest Reserve: FMNH: 1 [1 - **1** - **1**].
4 October 2005: Malawi: Ntchisi Forest Reserve: FMNH: 3 [3 - **3** - **3**].
5 October 2005: Malawi: Ntchisi Forest Reserve: FMNH: 4 [4 - **4** - **4**].
6 October 2005: Malawi: Ntchisi Forest Reserve: FMNH: 8 [8 - **8** - **8**].
9 October 2005: Malawi: Dzalanyama Forest Reserve: FMNH: 1 [1 - **1** - **1**].
18 June 2006: Malawi: Tinyade Estate: FMNH: 1 [1 - **1** - **1**].
19 June 2006: Malawi: Tinyade Estate: FMNH: 1 [1 - **1** - **1**].
1 July 2006: Malawi: Likhubula Camp: FMNH: 1 [1] - Likhubula Camp, 1.5 km E: FMNH: 1 [1 - **2** - **2**].
10 July 2006: Malawi: Lujeri Tea Estate: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Malawi Mammal Expedition, The: 72

Malbrant, René

Collection Date Unknown: Chad: Fort Lamy: USNM: 5 [5] - N'Djamena: USNM: 2 [2 - **7** - **7**].
2 March 1936: Chad: N'Djamena: USNM: 1 [1 - **1** - **1**].

Total Specimens for Malbrant, René: 8

Maleka, Anna; Ndhlovu, Captain

Collection Date Unknown: South Africa: city centre: TM: 1 [1 - **1** - **1**].

Total Specimens for Maleka, Anna; Ndhlovu, Captain: 1

Maleka, Anna; Ndhlovu, Captain; Kearney, Teresa Catherine

25 November 2002: South Africa: Tswaing Crater: TM: 1 [1 - **1** - **1**].
25 November 2003: South Africa: Tswaing Crater: TM: 2 [2 - **2** - **2**].

Total Specimens for Maleka, Anna; Ndhlovu, Captain; Kearney, Teresa Catherine: 3

Malekani, André

25 August 2015: Congo (Democratic Republic of the): Epulu: UNIKIS: 5 [5 - **5** - **5**].
26 August 2015: Congo (Democratic Republic of the): Epulu: UNIKIS: 7 [7 - **7** - **7**].
27 August 2015: Congo (Democratic Republic of the): Epulu: UNIKIS: 4 [4 - **4** - **4**].
29 August 2015: Congo (Democratic Republic of the): Epulu: UNIKIS: 19 [19 - **19** - **19**].
30 August 2015: Congo (Democratic Republic of the): Epulu: UNIKIS: 10 [10 - **10** - **10**].
31 August 2015: Congo (Democratic Republic of the): Epulu: UNIKIS: 8 [8 - **8** - **8**].

Total Specimens for Malekani, André: 53

Malzy, P.

Collection Date Unknown: Mali: Bamako: MNHN: 7 [7 - **7** - **7**].

Total Specimens for Malzy, P.: 7

Maness, S.J.

11 August 1973: Ghana: Achimota College: FMNH: 6 [6 - **6** - **6**].
14 August 1973: Ghana: Kade Agricultural Research Station: FMNH: 1 [1 - **1** - **1**].
19 August 1973: Ghana: Upper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Maness, S.J.: 8

Mangold-Fraas

Collection Date Unknown: Egypt: Queir: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Mangold-Fraas: 1

Mann

Collection Date Unknown: Nigeria: Yoruba: SMNS: 1 [1 - **1** - **1**].
21 February 1904: Cameroon: Kribi: ZMH: 1 [1 - **1** - **1**].

Total Specimens for Mann: 2

Mann, W.F.

Collection Date Unknown: South Africa: Cape Division: SAMC: 1 [1 - **1** - **1**].

Total Specimens for Mann, W.F.: 1

Mann, William M.
(1886 -)

Collection Date Unknown: Liberia: Harbel: USNM: 1 [1 - **1** - **1**].
1 January 1940: Liberia: Harbel: USNM: 1 [1 - **1** - **1**].

Total Specimens for Mann, William M.: 2

Mansfeld

Collection Date Unknown: Cameroon: Ossidinge [=Mamfe]: ZMB: 9 [9 - **9** - **9**].

Total Specimens for Mansfeld: 9

Manzaranes, A.

16 July 1986: Morocco: Ain Chkef, Junto camping: EBD: 65 [65 - **65** - **65**].
22 July 1986: Morocco: Ouazarzate: EBD: 1 [1] - Ourika, cascade: EBD: 2 [2 - **3** - **3**].

Total Specimens for Manzaranes, A.: 68

Marais, Hannes

19 February 1971: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].
18 March 1971: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].
20 June 2002: South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: TM: 1 [1 - **1** - **1**].

Total Specimens for Marais, Hannes: 3

Marche, Alfred A.
(1844 - 1898)

Collection Date Unknown: Gabon: Ogoue: MNHN: 1 [1 - **1** - **1**].
2 December 1875: Gabon: Lac Zedee: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Marche, Alfred A.: 2

Mare, D.

21 June 1934: South Africa: Farm Mokeetsi 376: TM: 1 [1 - **1** - **1**].
21 June 1939: South Africa: Mokeetsi: TM: 1 [1 - **1** - **1**].

Total Specimens for Mare, D.: 2

Marie, J.

Collection Date Unknown: Liberia: Tapeta: YPM: 6 [6 - **6** - **6**].

Total Specimens for Marie, J.: 6

Marinkelle, Cornelis Johannes
(1 July 1925;Vienna - 18 January 2012;Bogotá)

3 July 1958: Tunisia: Nabeul: FMNH: 11 [11 - **11** - **11**].
18 July 1958: Tunisia: Gabès: FMNH: 2 [2 - **2** - **2**].
16 August 1958: Tunisia: Sfax: FMNH: 3 [3 - **3** - **3**].
21 August 1958: Tunisia: Tunis: FMNH: 9 [9 - **9** - **9**].

Total Specimens for Marinkelle, Cornelis Johannes: 25

Maristes

Collection Date Unknown: Congo (Democratic Republic of the): Bunia: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Maristes: 3

Marks, B.D.

14 February 2007: Congo (Democratic Republic of the): Kabobo Forest: FMNH: 2 [2 - **2** - **2**].
16 February 2007: Congo (Democratic Republic of the): Kabobo Forest: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Marks, B.D.: 3

Marks, S.

Collection Date Unknown: Congo (Democratic Republic of the): Lubondai-Tshimbulu: RMCA: 1 [1 - **1**].
Zambia: Nabwalia Village: UZMZ: 1 [1 - **1** - **2**].
1 January 1953: Congo (Democratic Republic of the): Lubondai-Tshimbulu: RMCA: 3 [3 - **3** - **3**].
1 January 1955: Congo (Democratic Republic of the): Lubondai-Tshimbulu: RMCA: 1 [1 - **1** - **1**].
12 December 1955: Congo (Democratic Republic of the): Lubondai-Tshimbulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Marks, S.: 7

Markus, M.B.

30 April 1967: South Africa: Lywood: ROM: 2 [2 - **2** - **2**].

Total Specimens for Markus, M.B.: 2

Marlier, Georges
(1917 -)

Collection Date Unknown: Congo (Democratic Republic of the): Uvira: RMCA: 3 [3 - **3** - **3**].
17 June 1958: Congo (Democratic Republic of the): Uvira: RMCA: 1 [1 - **1** - **1**].
12 July 1958: Congo (Democratic Republic of the): Kalimabenge river: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Marlier, Georges: 5

Marrogordato, J.G.

1 March 1961: Sudan: Jebel el Azraq: HZM: 9 [9 - **9** - **9**].

Total Specimens for Marrogordato, J.G.: 9

Marshal, Guy A.R.

26 August 1982: Zimbabwe: Sailsbury: SAMC: 1 [1 - **1** - **1**].

Total Specimens for Marshal, Guy A.R.: 1

Marshall Expedition, The

27 September 1961: Botswana: Drotsky's [= Drodsky] Caves: TM: 1 [1 - **1** - **1**].
29 October 1966: Botswana: Drotsky's [= Drodsky] Caves: TM: 1 [1 - **1** - **1**].

Total Specimens for Marshall Expedition, The: 2

Marshall, A.G.

11 July 1974: Ghana: Mole Game Reserve, river below Headquarters: AMNH: 1 [1 - **1** - **1**].
13 July 1974: Ghana: Konkori, NE escarpment top: AMNH: 1 [1 - **1** - **1**].
16 July 1974: Ghana: Mole Motel, 2nd dam below: AMNH: 1 [1 - **1** - **1**].
17 July 1974: Ghana: Mole Motel: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Marshall, A.G.: 4

Marshall, G.A.K.

Collection Date Unknown: Zimbabwe: Umfuli River: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Marshall, G.A.K.: 1

Martens, G.H.

16 June 1902: Algeria: Biskra: ZMH: 11 [11 - **11** - **11**].

Total Specimens for Martens, G.H.: 11

Martienssen

Collection Date Unknown: Cameroon: Unknown locality: ZMB: 1 [1 - **1**].
Tanzania: Ambangulu Estate: ZMB: 8 [8] - Magrotto mountains: ZMB: 6 [6] - Tanga: ZMB: 15 [15 - **29** - **30**].

Total Specimens for Martienssen: 30

Martin, P.L.; Williams, A.

24 January 1968: Kenya: Kilifi: LACM: 1 [1 - **1** - **1**].
26 January 1968: Kenya: Sokoke Forest: LACM: 1 [1] - Takaungu: LACM: 5 [5 - **6** - **6**].

Total Specimens for Martin, P.L.; Williams, A.: 7

Martin, Peter

13 September 1958: Uganda: Bwamba Forest: LACM: 1 [1 - **1** - **1**].
19 November 1960: Tanzania: Nguru Mountains: LACM: 1 [1 - **1** - **1**].
22 January 1961: Kenya: Garissa: LACM: 1 [1 - **1** - **1**].

Total Specimens for Martin, Peter: 3

Martorell, F.

19 December 1964: Equatorial Guinea: Bata: RMCA: 2 [2 - **2** - **2**].
20 December 1964: Equatorial Guinea: Bata: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Martorell, F.: 4

Maseko, S.

11 May 1952: South Africa: Sterkfontein caves: TM: 1 [1 - **1** - **1**].
28 September 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 1 [1 - **1** - **1**].
29 September 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 8 [8 - **8** - **8**].

Total Specimens for Maseko, S.: 10

Maser, Christopher

23 September 1966: Egypt: Abu Rawash: YPM: 1 [1] - Gizeh: YPM: 1 [1 - **2** - **2**].

Total Specimens for Maser, Christopher: 2

Maser, Christopher; Seymour, Charles

20 January 1964: Egypt: Gebel Adda: YPM: 3 [3 - **3** - **3**].
7 February 1964: Egypt: Gebel Adda: YPM: 2 [2 - **2** - **2**].
9 February 1964: Egypt: Gebel Adda: YPM: 4 [4 - **4** - **4**].
10 February 1964: Egypt: Gebel Adda: YPM: 1 [1 - **1** - **1**].

Total Specimens for Maser, Christopher; Seymour, Charles: 10

Maslin, Thomas Paul
(1909: Hankow - 1984)

12 March 1969: Tunisia: Bled Douarah: UCM: 5 [5 - **5** - **5**].

Total Specimens for Maslin, Thomas Paul: 5

Mason, G.E.

Collection Date Unknown: Comoros: Johanna Island [=Anjouan Island]: ZMB: 1 [1 - **1**].
Mauritius: Unknown locality: ZMB: 1 [1] - Rodrigues: BMNH: 2 [2 - **3** - **4**].

Total Specimens for Mason, G.E.: 4

Mason, G.W.E.

Collection Date Unknown: Madagascar: Unknown locality: RMNH: 1 [1 - **1**].
Malawi: Unknown locality: RMNH: 1 [1 - **1**].
Seychelles: Unknown locality: RMNH: 1 [1] - Praslin island: ZMA: 1 [1 - **2** - **4**].

Total Specimens for Mason, G.W.E.: 4

Massyn, William

19 March 1973: South Africa: Pretoriuskop: KNP: 1 [1 - **1** - **1**].
13 March 1979: South Africa: Kruger National Park: KNP: 1 [1 - **1** - **1**].
15 March 1979: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].

Total Specimens for Massyn, William: 3

Masterson, H.B.

Collection Date Unknown: Zimbabwe: Chikupo Caves: TM: 1 [1 - **1** - **1**].
10 July 1945: Zimbabwe: Chikupo Caves: TM: 1 [1 - **1** - **1**].

Total Specimens for Masterson, H.B.: 2

Matashiya-Tshinyenye

Collection Date Unknown: Congo (Democratic Republic of the): Kinshasa: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Matashiya-Tshinyenye: 1

Mateo, J.A.; Expedition 4/87, The

3 May 1987: Morocco: Merzouga dunes: EBD: 9 [9 - **9** - **9**].
4 May 1987: Morocco: Merzouga dunes: EBD: 1 [1 - **1** - **1**].

Total Specimens for Mateo, J.A.; Expedition 4/87, The: 10

Mateo, J.A.; Parreño, F.; EBD Expedition, The

2 June 1986: Morocco: Frmane cave: EBD: 1 [1 - **1** - **1**].
7 June 1986: Algeria: M'Sila forest: EBD: 1 [1 - **1** - **1**].
15 June 1986: Algeria: Aokas cave: EBD: 26 [26 - **26** - **26**].

Total Specimens for Mateo, J.A.; Parreño, F.; EBD Expedition, The: 28

Mathias, L.

2 June 1985: South Africa: Weenen Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Mathias, L.: 1

Mathis, M.

Collection Date Unknown: Tunisia: Unknown locality: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Mathis, M.: 1

Matsie, F.

1 September 1988: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].

Total Specimens for Matsie, F.: 1

Matthes

12 January 1967: Zambia: Chiniyka bay: RMCA: 1 [1 - **1** - **1**].
24 August 1967: Zambia: Musende Show: RMCA: 1 [1 - **1** - **1**].
11 October 1967: Zambia: Abercorn: RMCA: 1 [1 - **1** - **1**].
1 September 1969: Mali: Mopti: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Matthes: 5

Matthews, L. Harrison

Collection Date Unknown: Tanzania: Mto-Wa-Mbo: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Matthews, L. Harrison: 1

Matthias

28 September 1969: Togo: Agadji: RMCA: 4 [4 - **4** - **4**].
29 September 1969: Togo: Agadji: RMCA: 4 [4 - **4** - **4**].
30 September 1969: Togo: Agadji: RMCA: 6 [6 - **6** - **6**].

1 October 1969: Togo: Agadji: RMCA: 18 [18 - **18** - **18**].
2 October 1969: Togo: Agadji: RMCA: 9 [9 - **9** - **9**].
3 October 1969: Togo: Agadji: RMCA: 7 [7 - **7** - **7**].
4 October 1969: Togo: Agadji: RMCA: 9 [9 - **9** - **9**].
5 October 1969: Togo: Agadji: RMCA: 2 [2] - Dédomé: RMCA: 7 [7 - **9** - **9**].
6 October 1969: Togo: Dédomé: RMCA: 5 [5 - **5** - **5**].
7 October 1969: Togo: Dédomé: RMCA: 5 [5 - **5** - **5**].
9 October 1969: Togo: Dédomé: RMCA: 2 [2 - **2** - **2**].
10 October 1969: Togo: Dédomé: RMCA: 1 [1 - **1** - **1**].
15 October 1969: Togo: Dédomé: RMCA: 7 [7 - **7** - **7**].
16 October 1969: Togo: Dédomé: RMCA: 10 [10 - **10** - **10**].
17 October 1969: Togo: Dédomé: RMCA: 1 [1] - Odjolo: RMCA: 13 [13 - **14** - **14**].
18 October 1969: Togo: Odjolo: RMCA: 5 [5 - **5** - **5**].
19 October 1969: Togo: Odjolo: RMCA: 4 [4 - **4** - **4**].
21 October 1969: Togo: Odjolo: RMCA: 4 [4 - **4** - **4**].
23 October 1969: Togo: Odjolo: RMCA: 5 [5 - **5** - **5**].
24 October 1969: Togo: Odjolo: RMCA: 7 [7 - **7** - **7**].
25 October 1969: Togo: Odjolo: RMCA: 2 [2 - **2** - **2**].
26 October 1969: Togo: Odjolo: RMCA: 3 [3 - **3** - **3**].
27 October 1969: Togo: Odjolo: RMCA: 1 [1 - **1** - **1**].
28 October 1969: Togo: Odjolo: RMCA: 2 [2 - **2** - **2**].
29 October 1969: Togo: Odjolo: RMCA: 3 [3 - **3** - **3**].
30 October 1969: Togo: Odjolo: RMCA: 7 [7 - **7** - **7**].
31 October 1969: Togo: Ihounabe: RMCA: 3 [3] - Odjolo: RMCA: 3 [3 - **6** - **6**].
1 November 1969: Togo: Ihounabe: RMCA: 8 [8 - **8** - **8**].
2 November 1969: Togo: Ihounabe: RMCA: 16 [16 - **16** - **16**].
3 November 1969: Togo: Azafi: RMCA: 10 [10] - Ihounabe: RMCA: 1 [1 - **11** - **11**].
4 November 1969: Togo: Azafi: RMCA: 3 [3 - **3** - **3**].
5 November 1969: Togo: Azafi: RMCA: 7 [7] - Ebéva: RMCA: 3 [3 - **10** - **10**].
6 November 1969: Togo: Ebéva: RMCA: 8 [8 - **8** - **8**].
7 November 1969: Togo: Ebéva: RMCA: 6 [6 - **6** - **6**].
8 November 1969: Togo: Ebéva: RMCA: 8 [8 - **8** - **8**].
9 November 1969: Togo: Ebéva: RMCA: 8 [8 - **8** - **8**].
10 November 1969: Togo: Ebéva: RMCA: 5 [5 - **5** - **5**].
11 November 1969: Togo: Ebéva: RMCA: 12 [12 - **12** - **12**].
12 November 1969: Togo: Ebéva: RMCA: 14 [14 - **14** - **14**].
13 November 1969: Togo: Ebéva: RMCA: 10 [10 - **10** - **10**].
14 November 1969: Togo: Ebéva: RMCA: 10 [10 - **10** - **10**].
15 November 1969: Togo: Ebéva: RMCA: 17 [17 - **17** - **17**].
16 November 1969: Togo: Ebéva: RMCA: 18 [18 - **18** - **18**].
17 November 1969: Togo: Ebéva: RMCA: 12 [12 - **12** - **12**].
18 November 1969: Togo: Ebéva: RMCA: 17 [17 - **17** - **17**].
19 November 1969: Togo: Ebéva: RMCA: 8 [8 - **8** - **8**].
20 November 1969: Togo: Ebéva: RMCA: 10 [10 - **10** - **10**].
21 November 1969: Togo: Ebéva: RMCA: 4 [4 - **4** - **4**].
22 November 1969: Togo: Ebéva: RMCA: 4 [4 - **4** - **4**].
23 November 1969: Togo: Ebéva: RMCA: 3 [3 - **3** - **3**].
24 November 1969: Togo: Ebéva: RMCA: 3 [3 - **3** - **3**].
25 November 1969: Togo: Ebéva: RMCA: 11 [11 - **11** - **11**].
26 November 1969: Togo: Ebéva: RMCA: 18 [18 - **18** - **18**].
27 November 1969: Togo: Ebéva: RMCA: 14 [14 - **14** - **14**].
28 November 1969: Togo: Ebéva: RMCA: 15 [15 - **15** - **15**].
29 November 1969: Togo: Ebéva: RMCA: 2 [2 - **2** - **2**].
30 November 1969: Togo: Ebéva: RMCA: 12 [12 - **12** - **12**].

Total Specimens for Matthias: 456

Matthysse, John G.

21 June 1966: Uganda: Unknown locality: CUMV: 1 [1 - **1** - **1**].

Total Specimens for Matthysse, John G.: 1

Mayer, Anton; Spitzenberger, Frederike; Weiss, Edmund

6 August 1981: Libya: Wadi Jarjaroma: NMW: 2 [2 - **2** - **2**].
9 August 1981: Libya: Wadi al Kuf: NMW: 8 [8 - **8** - **8**].
18 August 1981: Libya: Wadi al Kuf: NMW: 1 [1 - **1** - **1**].
22 August 1981: Libya: Wadi al Kuf: NMW: 2 [2 - **2** - **2**].

Total Specimens for Mayer, Anton; Spitzenberger, Frederike; Weiss, Edmund: 13

Mayer, F.X.

Collection Date Unknown: Tanzania: Dar es Salaam: NMW: 1 [1 - **1** - **1**].

Total Specimens for Mayer, F.X.: 1

Mayné

Collection Date Unknown: Congo (Democratic Republic of the): Congo da Lemba: RMCA: 9 [9] - Eala: RMCA: 1 [1 - **10** - **10**].
1 January 1912: Congo (Democratic Republic of the): Congo da Lemba: RMCA: 1 [1 - **1** - **1**].
1 May 1913: Congo (Democratic Republic of the): Benza Masola: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Mayné: 14

Mazières

1 January 1910: Madagascar: Diégo-Suarez, near: MCZ: 1 [1 - **1** - **1**].
1 January 1911: Madagascar: Maevatanana: MCZ: 2 [2 - **2** - **2**].
1 January 1913: Benin: Porto-Novo: MCZ: 7 [7 - **7** - **7**].

Total Specimens for Mazières: 10

MBizi expedition, The

20 April 1949: Congo (Democratic Republic of the): Banana creek: RBINS: 1 [1 - **1** - **1**].

Total Specimens for MBizi expedition, The: 1

McCaul, J.

23 October 1994: Uganda: Ishasha Road, 0.5 km S: FMNH: 1 [1 - **1** - **1**].

Total Specimens for McCaul, J.: 1

McCloy, A.

Collection Date Unknown: Liberia: Grand Bassa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for McCloy, A.: 1

McCoe

Collection Date Unknown: Liberia: Mount Nimba: BMNH: 2 [2 - **2** - **2**].

Total Specimens for McCoe: 2

McDulling, M.

15 December 1988: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].

Total Specimens for McDulling, M.: 1

McInnery

1 September 1985: Tanzania: Amani: BMNH: 1 [1 - **1** - **1**].

Total Specimens for McInnery: 1

McIntyre, T.J.

Collection Date Unknown: Côte d'Ivoire: Bouna: USNM: 3 [3 - **3** - **3**].
15 May 1969: Côte d'Ivoire: Soubre: USNM: 2 [2 - **2** - **2**].
30 May 1969: Côte d'Ivoire: Banco Forest: USNM: 1 [1 - **1** - **1**].
12 June 1969: Côte d'Ivoire: Soubre, 10 mi WNW: USNM: 1 [1 - **1** - **1**].
5 July 1969: Côte d'Ivoire: Bouna: USNM: 4 [4 - **4** - **4**].
16 July 1969: Côte d'Ivoire: Fetekro: USNM: 3 [3 - **3** - **3**].
17 July 1969: Côte d'Ivoire: Fetekro: USNM: 2 [2 - **2** - **2**].
9 August 1969: Ghana: Adamso: USNM: 4 [4 - **4** - **4**].
17 August 1969: Ghana: Damongo: USNM: 6 [6 - **6** - **6**].

Total Specimens for McIntyre, T.J.: 26

McIntyre, T.J.; Robbins, Lynn W.

6 August 1969: Côte d'Ivoire: Guitri: USNM: 2 [2 - **2** - **2**].

Total Specimens for McIntyre, T.J.; Robbins, Lynn W.: 2

McLean, S.

Collection Date Unknown: South Africa: Dugundhlovu camp site: TM: 1 [1 - **1** - **1**].
20 July 1986: South Africa: St. Lucia Village: TM: 1 [1 - **1** - **1**].
1 April 1987: South Africa: St. Lucia Estuary: TM: 1 [1 - **1** - **1**].

Total Specimens for McLean, S.: 3

McLellan, L.J.

26 July 1991: Kenya: Tiwi Beach: USNM: 2 [2 - **2** - **2**].
28 July 1991: Kenya: Tiwi Beach: USNM: 2 [2 - **2** - **2**].
9 July 1992: Kenya: Tiwi Beach: USNM: 2 [2 - **2** - **2**].
11 July 1993: Kenya: Lake Jipe: USNM: 5 [5 - **5** - **5**].

Total Specimens for McLellan, L.J.: 11

McLeod, J.

Collection Date Unknown: Zambia: Mazabuka: BMNH: 7 [7 - **7** - **7**].
26 December 1966: Zambia: Mazabuka: BMNH: 1 [1 - **1** - **1**].

Total Specimens for McLeod, J.: 8

McWilliam, A.N.

10 July 1974: Ghana: Mole Game Reserve, River below headquarters: AMNH: 3 [3 - **3** - **3**].
11 July 1974: Ghana: Mole Game Reserve, River below headquarters: AMNH: 1 [1 - **1** - **1**].
12 July 1974: Ghana: Mole Game Reserve, River below headquarters: AMNH: 2 [2 - **2** - **2**].
13 July 1974: Ghana: Konkori, NE escarpment top: AMNH: 2 [2 - **2** - **2**].
15 July 1974: Ghana: Mole National Park HeadquarterS: AMNH: 1 [1 - **1** - **1**].
16 July 1974: Ghana: Mole Motel: AMNH: 2 [2 - **2** - **2**].
25 July 1974: Ghana: Larabanga, near: AMNH: 1 [1 - **1** - **1**].
30 July 1974: Ghana: Bungueli, near: AMNH: 9 [9 - **9** - **9**].
1 March 1977: Kenya: Kivondo Forest: BMNH: 1 [1 - **1** - **1**].
20 October 1979: Kenya: Similani cave: ZMA: 5 [5 - **5** - **5**].

Total Specimens for McWilliam, A.N.: 27

McWilliam, A.N.; Marshall, A.G.

10 July 1974: Ghana: Mole National Park: BMNH: 2 [2 - **2** - **2**].
24 July 1974: Ghana: Samole Motel Camp: BMNH: 1 [1 - **1** - **1**].
30 July 1974: Ghana: Bangweli Camp: BMNH: 1 [1 - **1** - **1**].

Total Specimens for McWilliam, A.N.; Marshall, A.G.: 4

MCZ Paleological Expedition, The

24 June 1964: Kenya: Akuryo waterhole, near: MCZ: 16 [16 - **16** - **16**].
5 July 1964: Kenya: Renshaw Barberton Farm: MCZ: 37 [37 - **37** - **37**].
16 August 1964: Kenya: Akuryo waterhole, near: MCZ: 6 [6 - **6** - **6**].
5 September 1964: Kenya: Renshaw Barberton Farm: MCZ: 14 [14 - **14** - **14**].

Total Specimens for MCZ Paleological Expedition, The: 73

Mduma

6 August 1986: Tanzania: Dar es Salaam: SMF: 1 [1 - **1** - **1**].

Total Specimens for Mduma: 1

Mearns, Edgar Alexander
(11 September 1856: Highland Falls - 1 November 1916: Walter Reed hospital)

Collection Date Unknown: Kenya: Lake Naivasha: USNM: 2 [2] - Nairobi River: USNM: 1 [1 - **3**].
Uganda: Kampala: USNM: 1 [1 - **1** - **4**].
24 May 1909: Kenya: Jula Farm: USNM: 1 [1 - **1** - **1**].

1 June 1909: Kenya: Nairobi: USNM: 4 [4 - **4** - **4**].
2 June 1909: Kenya: Nairobi: USNM: 1 [1 - **1** - **1**].
15 June 1909: Kenya: South Nguasso Nyiro river: USNM: 1 [1 - **1** - **1**].
16 June 1909: Kenya: South Nguasso Nyiro river: USNM: 1 [1 - **1** - **1**].
18 June 1909: Kenya: Ewaso Ngi'ro: USNM: 1 [1 - **1** - **1**].
19 June 1909: Kenya: Lake Naivasha, E shore: USNM: 1 [1] - South Nguasso Nyiro river: USNM: 3 [3 - **4** - **4**].
23 June 1909: Kenya: South Nguasso Nyiro river: USNM: 1 [1 - **1** - **1**].
1 July 1909: Kenya: South Nguasso Nyiro river: USNM: 1 [1 - **1** - **1**].
18 July 1909: Kenya: Lake Naivasha: USNM: 2 [2 - **2** - **2**].
19 July 1909: Kenya: Lake Naivasha, E shore: USNM: 1 [1 - **1** - **1**].
31 August 1909: Kenya: Nairobi Station: USNM: 2 [2 - **2** - **2**].
3 September 1909: Kenya: Nairobi: USNM: 1 [1 - **1** - **1**].
19 November 1909: Kenya: Nairobi: USNM: 1 [1 - **1** - **1**].
21 December 1909: Uganda: Kampala: USNM: 1 [1 - **1** - **1**].
11 January 1910: Uganda: Rhino Camp: USNM: 1 [1 - **1** - **1**].
12 January 1910: Uganda: Rhino Camp: USNM: 4 [4 - **4** - **4**].
14 January 1910: Uganda: Rhino Camp: USNM: 2 [2 - **2** - **2**].
16 January 1910: Uganda: Rhino Camp: USNM: 1 [1 - **1** - **1**].
20 January 1910: Uganda: Rhino Camp: USNM: 8 [8 - **8** - **8**].
21 January 1910: Uganda: Rhino Camp: USNM: 3 [3 - **3** - **3**].
25 January 1910: Uganda: Rhino Camp: USNM: 1 [1 - **1** - **1**].
10 February 1910: South Sudan: Uma River: USNM: 1 [1 - **1** - **1**].
19 February 1910: South Sudan: Gondokoro: USNM: 1 [1 - **1** - **1**].
8 March 1910: South Sudan: Lake No, below: USNM: 2 [2 - **2** - **2**].
11 March 1910: South Sudan: Renk: USNM: 2 [2 - **2** - **2**].
2 March 1976: Kenya: Nairobi: USNM: 1 [1 - **1** - **1**].

Total Specimens for Mearns, Edgar Alexander: 54

Mechow

Collection Date Unknown: Angola: Malange [= Malanje]: ZMB: 4 [4 - **4**].
Congo (Democratic Republic of the): Malandje: ZMB: 1 [1 - **1** - **5**].

Total Specimens for Mechow: 5

Meckelenburg, Adolf Fritz z.
(1873 -)

Collection Date Unknown: Chad: Melfi: ZMH: 1 [1 - **1**].
Tanzania: Bukoba: ZMB: 7 [7 - **7**].
Togo: Kadjamba: ZMB: 4 [4 - **4** - **12**].

Total Specimens for Meckelenburg, Adolf Fritz z.: 12

Mees, Gerolf Fokko
(1926 -)

Collection Date Unknown: Nigeria: Bacita: RMNH: 21 [21 - **21** - **21**].
29 November 1973: Nigeria: Bacita: RMNH: 1 [1 - **1** - **1**].
6 December 1973: Nigeria: Bacita: RMNH: 1 [1 - **1** - **1**].
11 December 1973: Nigeria: Bacita: RMNH: 1 [1 - **1** - **1**].
21 December 1973: Nigeria: Bacita: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Mees, Gerolf Fokko: 25

Meester, Jurgens Anthonie Janse [=Waldo]
(20 May 1931; - 7 October 1994;)

Collection Date Unknown: South Africa: Bishopstowe cave: TM: 2 [2] - Mariepskop: TM: 1 [1] - Port St. Johns: TM: 3 [3 - **6** - **6**].
17 March 1955: South Africa: Bishopstowe cave: TM: 6 [6 - **6** - **6**].
13 September 1956: South Africa: Skurweberg cave: TM: 1 [1 - **1** - **1**].
13 November 1956: South Africa: Skurweberg cave: TM: 10 [10 - **10** - **10**].
16 November 1956: South Africa: Skurweberg cave: TM: 1 [1 - **1** - **1**].
12 January 1957: South Africa: Skurweberg cave: TM: 1 [1 - **1** - **1**].
14 January 1957: South Africa: Skurweberg cave: TM: 1 [1 - **1** - **1**].
19 January 1958: South Africa: Uitkomst, Farm 499: SMF: 1 [1 - **1** - **1**].
12 January 1959: South Africa: Skurweberg cave: TM: 1 [1 - **1** - **1**].
10 March 1959: South Africa: Mariepskop: TM: 12 [12 - **12** - **12**].
17 March 1959: South Africa: Bishopstowe cave: TM: 1 [1 - **1** - **1**].
21 April 1961: South Africa: Skukuza: TM: 1 [1] - Skukuza Koppies: TM: 1 [1 - **2** - **2**].
22 April 1961: South Africa: Skukuza: TM: 1 [1 - **1** - **1**].
23 April 1961: South Africa: Skukuza Koppies: TM: 5 [5 - **5** - **5**].
11 July 1976: South Africa: Pietermaritzburg: SMF: 1 [1 - **1** - **1**].

18 July 1976: South Africa: Pietermaritzburg: SMF: 1 [1 - **1** - **1**].
21 July 1976: South Africa: Pietermaritzburg: SMF: 1 [1 - **1** - **1**].

Total Specimens for Meester, Jurgens Anthonie Janse [=Waldo]: 52

Meester, Jurgens Anthonie Janse [=Waldo]; *et al.*

4 March 1967: South Africa: John Nash Nature Reserve: ROM: 1 [1 - **1** - **1**].

Total Specimens for Meester, Jurgens Anthonie Janse [=Waldo]; *et al.*: 1

Meester, Jurgens Anthonie Janse [=Waldo]; Coetzee, C.G.

17 May 1961: South Africa: Skurweberg cave: TM: 1 [1 - **1** - **1**].

Total Specimens for Meester, Jurgens Anthonie Janse [=Waldo]; Coetzee, C.G.: 1

Meester, Jurgens Anthonie Janse [=Waldo]; Rautenbach, Ignatius Lourens [=Naas]; Mumford, Russell E.

4 March 1967: South Africa: John Nash Nature Reserve: ROM: 1 [1 - **1** - **1**].

Total Specimens for Meester, Jurgens Anthonie Janse [=Waldo]; Rautenbach, Ignatius Lourens [=Naas]; Mumford, Russell E.: 1

Meester, Jurgens Anthonie Janse [=Waldo]; Stegman, D.

27 April 1961: South Africa: Makupana cave: TM: 2 [2 - **2** - **2**].

Total Specimens for Meester, Jurgens Anthonie Janse [=Waldo]; Stegman, D.: 2

Meester, Jurgens Anthonie Janse [=Waldo]; Steyman, D.

27 April 1961: South Africa: Matupa Cave: TM: 1 [1 - **1** - **1**].

Total Specimens for Meester, Jurgens Anthonie Janse [=Waldo]; Steyman, D.: 1

Meier, Florian

7 July 1976: Congo (Democratic Republic of the): Mandima: MHNG: 5 [5 - **5** - **5**].
8 July 1976: Congo (Democratic Republic of the): Mandima: MHNG: 2 [2 - **2** - **2**].
15 July 1976: Congo (Democratic Republic of the): Mandima: MHNG: 1 [1 - **1** - **1**].
21 July 1976: Congo (Democratic Republic of the): Mandima: MHNG: 2 [2 - **2** - **2**].
24 July 1976: Congo (Democratic Republic of the): Mandima: MHNG: 1 [1 - **1** - **1**].
29 July 1976: Congo (Democratic Republic of the): Mandima: MHNG: 2 [2 - **2** - **2**].
31 July 1976: Congo (Democratic Republic of the): Mandima: MHNG: 1 [1 - **1** - **1**].
1 August 1976: Congo (Democratic Republic of the): Mandima: MHNG: 2 [2 - **2** - **2**].
5 August 1976: Congo (Democratic Republic of the): Alambi: MHNG: 2 [2] - Paoni [=Pahoni]: MHNG: 1 [1 - **3** - **3**].
6 August 1976: Congo (Democratic Republic of the): Alambi: MHNG: 2 [2] - Paoni [=Pahoni]: MHNG: 3 [3 - **5** - **5**].
7 August 1976: Congo (Democratic Republic of the): Alambi: MHNG: 2 [2 - **2** - **2**].
16 August 1976: Congo (Democratic Republic of the): Nyankunde: MHNG: 3 [3 - **3** - **3**].
18 August 1976: Congo (Democratic Republic of the): Nyankunde: MHNG: 1 [1 - **1** - **1**].
21 August 1976: Congo (Democratic Republic of the): Komanda: MHNG: 11 [11 - **11** - **11**].
2 September 1976: Congo (Democratic Republic of the): Rwindi: MHNG: 1 [1 - **1** - **1**].
4 September 1976: Congo (Democratic Republic of the): Jomba: MHNG: 29 [29 - **29** - **29**].
5 September 1976: Congo (Democratic Republic of the): Jomba: MHNG: 3 [3 - **3** - **3**].
6 September 1976: Congo (Democratic Republic of the): Jomba: MHNG: 2 [2 - **2** - **2**].
20 September 1976: Rwanda: Ruhengeri: MHNG: 9 [9 - **9** - **9**].
12 October 1976: Rwanda: Astrida: MHNG: 5 [5 - **5** - **5**].
13 October 1976: Rwanda: Astrida: MHNG: 5 [5 - **5** - **5**].
14 October 1976: Rwanda: Astrida: MHNG: 1 [1 - **1** - **1**].
18 October 1976: Rwanda: Nyungwe forest reserve: MHNG: 2 [2 - **2** - **2**].
15 June 1979: Congo (Democratic Republic of the): Yalosemba: MHNG: 1 [1 - **1** - **1**].
18 June 1979: Congo (Democratic Republic of the): Yalosemba: MHNG: 3 [3 - **3** - **3**].
19 June 1979: Congo (Democratic Republic of the): Bombia Bonelu: MHNG: 1 [1] - Yamazo Yamono: MHNG: 1 [1 - **2** - **2**].
20 June 1979: Congo (Democratic Republic of the): Yambomba: MHNG: 1 [1 - **1** - **1**].
23 June 1979: Congo (Democratic Republic of the): Yalosemba: MHNG: 1 [1 - **1** - **1**].
30 June 1979: Congo (Democratic Republic of the): Bwandza: MHNG: 3 [3] - Yalosemba: MHNG: 2 [2 - **5** - **5**].
9 July 1979: Congo (Democratic Republic of the): Yalosemba: ZMMU: 1 [1 - **1** - **1**].
11 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 1 [1 - **1** - **1**].
12 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 1 [1 - **1** - **1**].
13 July 1979: Congo (Democratic Republic of the): Bonzale: MHNG: 1 [1 - **1** - **1**].
16 July 1979: Congo (Democratic Republic of the): Tandala: MHNG: 1 [1 - **1** - **1**].
20 July 1979: Congo (Democratic Republic of the): Bozade: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Meier, Florian: 117

Meirte, Danny

28 September 1980: Rwanda: Butare: RMCA: 1 [1 - **1** - **1**].
30 September 1980: Rwanda: Kigali: RMCA: 12 [12 - **12** - **12**].
2 October 1980: Rwanda: Gisovu: RMCA: 1 [1 - **1** - **1**].
3 October 1980: Rwanda: Gisovu: RMCA: 1 [1 - **1** - **1**].
6 October 1980: Rwanda: Kibuye: RMCA: 1 [1 - **1** - **1**].
7 October 1980: Rwanda: Kibuye: RMCA: 7 [7 - **7** - **7**].
8 October 1980: Rwanda: Kibuye: RMCA: 2 [2 - **2** - **2**].
9 October 1980: Rwanda: Kibuye: RMCA: 2 [2] - Mabanza: RMCA: 40 [40 - **42** - **42**].
10 October 1980: Rwanda: Mabanza: RMCA: 3 [3 - **3** - **3**].
12 October 1980: Rwanda: Murunda: RMCA: 23 [23 - **23** - **23**].
14 October 1980: Rwanda: Murunda: RMCA: 1 [1 - **1** - **1**].
15 October 1980: Rwanda: Murunda: RMCA: 3 [3 - **3** - **3**].
17 October 1980: Rwanda: Nyundo: RMCA: 2 [2 - **2** - **2**].
18 October 1980: Rwanda: Nyundo: RMCA: 1 [1 - **1** - **1**].
19 October 1980: Rwanda: Nyundo: RMCA: 1 [1 - **1** - **1**].
20 October 1980: Rwanda: Nyundo: RMCA: 4 [4 - **4** - **4**].
21 October 1980: Rwanda: Gisenyi: RMCA: 15 [15 - **15** - **15**].
22 October 1980: Rwanda: Nyundo: RMCA: 15 [15 - **15** - **15**].
23 October 1980: Rwanda: Nyundo: RMCA: 1 [1 - **1** - **1**].
25 October 1980: Rwanda: Musanze: RMCA: 11 [11 - **11** - **11**].
26 October 1980: Rwanda: Kigali: RMCA: 3 [3 - **3** - **3**].
27 October 1980: Rwanda: Kigali: RMCA: 7 [7 - **7** - **7**].
31 October 1980: Rwanda: Gisovu: RMCA: 1 [1 - **1** - **1**].
1 November 1980: Rwanda: Kibuye: RMCA: 10 [10 - **10** - **10**].
6 November 1980: Rwanda: Kayonza: RMCA: 3 [3 - **3** - **3**].
1 April 1982: Burundi: Bujumbura: RMCA: 1 [1 - **1** - **1**].
21 April 1982: Burundi: Bujumbura: RMCA: 9 [9 - **9** - **9**].
22 April 1982: Burundi: Bujumbura: RMCA: 15 [15 - **15** - **15**].
23 April 1982: Burundi: Bujumbura: RMCA: 26 [26 - **26** - **26**].
24 April 1982: Burundi: Bujumbura: RMCA: 19 [19] - Kigwena Hill: RMCA: 2 [2 - **21** - **21**].
25 April 1982: Burundi: Bujumbura: RMCA: 9 [9 - **9** - **9**].
26 April 1982: Burundi: Bujumbura: RMCA: 48 [48 - **48** - **48**].
27 April 1982: Burundi: Bujumbura: RMCA: 16 [16] - Russissi, bank [=Rusizi delta]: RMCA: 8 [8 - **24** - **24**].
28 April 1982: Burundi: Bujumbura: RMCA: 1 [1 - **1** - **1**].
29 April 1982: Burundi: Bujumbura: RMCA: 2 [2 - **2** - **2**].
18 November 1989: Comoros: Lima Mani: RMCA: 9 [9 - **9** - **9**].
19 November 1989: Comoros: Lima Mani: RMCA: 4 [4 - **4** - **4**].
22 November 1989: Comoros: La Grille: RMCA: 2 [2 - **2** - **2**].
24 November 1989: Comoros: La Grille: RMCA: 11 [11 - **11** - **11**].
10 December 1989: Comoros: Malakoff: RMCA: 4 [4] - Miringoni: RMCA: 1 [1 - **5** - **5**].
11 December 1989: Comoros: St Antoine: RMCA: 6 [6 - **6** - **6**].
12 December 1989: Comoros: St Antoine: RMCA: 5 [5 - **5** - **5**].
13 December 1989: Comoros: Itsandra: RMCA: 3 [3] - Miringoni: RMCA: 1 [1 - **4** - **4**].

Total Specimens for Meirte, Danny: 373

Melchow

Collection Date Unknown: Cameroon: Malanga: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Melchow: 1

Mendelsohn, J.

5 May 1967: South Africa: Warmbad, 2 mi E: ROM: 2 [2 - **2** - **2**].
22 June 1967: South Africa: Pretoria: ROM: 1 [1 - **1** - **1**].
18 July 1967: South Africa: Warmbad: ROM: 1 [1 - **1** - **1**].
19 July 1967: South Africa: Warmbad: ROM: 5 [5 - **5** - **5**].
23 July 1967: South Africa: Warmbad: ROM: 1 [1 - **1** - **1**].

Total Specimens for Mendelsohn, J.: 10

Mensah, G.A.

30 March 1997: Benin: Savé: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Mensah, G.A.: 1

Mensah, P.E.

Collection Date Unknown: Ghana: Unknown locality: ROM: 35 [35] - Ash Mampong: ROM: 3 [3] - Babiana: ROM: 4 [4] - Bechem: ROM: 3 [3] - Bibiani Mines: ROM: 9 [9] - Bogoso: ROM: 4 [4] - Bogoso Mines: ROM: 3 [3] - Busunu: ROM: 6

[6] - Damango Scarps: ROM: 6 [6] - Elemina: ROM: 1 [1] - Ho: ROM: 6 [6] - Impriso: ROM: 18 [18] - Kadjebi [= Kajiebi]: ROM: 17 [17] - Konongo: ROM: 7 [7] - Kumasi: ROM: 3 [3] - Kumasi area: ROM: 2 [2] - Kumasi, UST Agricultural Farm: ROM: 6 [6] - Kusasi area: ROM: 1 [1] - Kuuni, 48 km: ROM: 15 [15] - Kuuni, 48 mi [=77 km] from: ROM: 3 [3] - Mampong: ROM: 14 [14] - Mapon: ROM: 1 [1] - Masabia Hshubi: ROM: 1 [1] - Mpesetia: ROM: 24 [24] - Mpisalia: ROM: 1 [1] - Mpraeso: ROM: 2 [2] - Nkaw Nkaw: ROM: 4 [4] - Nkawkaw: ROM: 2 [2] - Ntronang [= Ntronane, Ntronan]: ROM: 17 [17] - Oboasi: ROM: 8 [8] - Oboasi Mines: ROM: 12 [12] - Obomen: ROM: 3 [3] - Oda: ROM: 10 [10] - Oda and Akim, between: ROM: 1 [1] - Pristia Mines: ROM: 19 [19] - Setwi, Base Camp: ROM: 2 [2] - Sewhi Wiaso: ROM: 2 [2] - Takwa Mines: ROM: 19 [19] - undefined locality: ROM: 2 [2] - Wenchi: ROM: 2 [2 - **298** - **298**].
13 January 1964: Ghana: MomPort: ROM: 1 [1 - **1** - **1**].
8 August 1968: Ghana: Abodomasi: ROM: 2 [2] - Kumasi Agricultural Station: ROM: 1 [1 - **3** - **3**].
15 August 1968: Ghana: Forest Reserve Ksi, town 5 km from: ROM: 2 [2 - **2** - **2**].
28 August 1968: Ghana: Busunu: ROM: 1 [1 - **1** - **1**].
17 November 1968: Ghana: Wenchi: ROM: 7 [7 - **7** - **7**].
22 December 1968: Ghana: Ankasi: ROM: 12 [12 - **12** - **12**].
30 December 1968: Ghana: Wenchi: ROM: 1 [1 - **1** - **1**].
3 January 1969: Ghana: Legon university: ROM: 1 [1 - **1** - **1**].
5 January 1969: Ghana: Bekwai Ash: ROM: 6 [6 - **6** - **6**].
11 January 1969: Ghana: Wenchi: ROM: 1 [1 - **1** - **1**].
13 January 1969: Ghana: Unknown locality: ROM: 1 [1] - Kumasi, 17 mi [=27 km] from: ROM: 1 [1 - **2** - **2**].
15 January 1969: Ghana: MomPort: ROM: 1 [1 - **1** - **1**].
16 January 1969: Ghana: Kumasi, 17 mi [=27 km] from: ROM: 2 [2 - **2** - **2**].
14 March 1969: Ghana: Kumasi Agricultural Station: ROM: 1 [1 - **1** - **1**].
17 March 1969: Ghana: Kumasi Agricultural Station: ROM: 1 [1 - **1** - **1**].
28 June 1969: Ghana: Bibiani: ROM: 2 [2 - **2** - **2**].
19 September 1969: Ghana: Kuuni, 48 mi [=77 km] from: ROM: 1 [1 - **1** - **1**].
30 September 1969: Ghana: Wenchi: ROM: 10 [10 - **10** - **10**].
1 October 1969: Ghana: Bechem: ROM: 4 [4 - **4** - **4**].
30 October 1969: Ghana: Koforidua: ROM: 1 [1 - **1** - **1**].
1 January 1970: Ghana: Akim Oda, near: AMNH: 5 [5] - Lake Bosumtivi Konlanasi: AMNH: 1 [1 - **6** - **6**].
20 January 1970: Ghana: Elemina: ROM: 1 [1 - **1** - **1**].
30 January 1970: Ghana: Elemina: ROM: 1 [1 - **1** - **1**].
1 September 1970: Ghana: Wenchi: AMNH: 3 [3 - **3** - **3**].
12 September 1970: Ghana: Sewhi Wiaso: ROM: 1 [1 - **1** - **1**].
18 September 1970: Ghana: Oboasi: AMNH: 10 [10 - **10** - **10**].
24 September 1970: Ghana: Kumasi Agricultural Station: AMNH: 4 [4 - **4** - **4**].
10 October 1970: Ghana: Kongo mines: AMNH: 3 [3] - Kumasi, near: AMNH: 2 [2 - **5** - **5**].
25 October 1970: Ghana: Mpasaatia: AMNH: 7 [7 - **7** - **7**].
28 October 1970: Ghana: Wora Wora: AMNH: 2 [2 - **2** - **2**].
1 November 1970: Ghana: Kumasi University: AMNH: 1 [1 - **1** - **1**].
24 December 1970: Ghana: Oda and Akim, between: ROM: 3 [3 - **3** - **3**].
10 September 1971: Ghana: Kumasi Agricultural Station: ROM: 1 [1] - Kumasi area: ROM: 1 [1] - Kumawu: ROM: 1 [1 - **3** - **3**].
14 September 1971: Ghana: Wenchi: ROM: 5 [5 - **5** - **5**].
15 September 1971: Ghana: Wenchi: ROM: 1 [1 - **1** - **1**].
19 October 1971: Ghana: Ho: ROM: 7 [7 - **7** - **7**].
3 December 1971: Ghana: Juaso: ROM: 1 [1 - **1** - **1**].

Total Specimens for Mensah, P.E.: 419

Menzies, James Ian

Collection Date Unknown: Sierra Leone: Kassewa Forest Reserve: BMNH: 2 [2 - **2** - **2**].
30 December 1966: Nigeria: Shagunu Borgu: FMNH: 12 [12 - **12** - **12**].
1 July 1976: Nigeria: Shagunu: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Menzies, James Ian: 15

Merenski

Collection Date Unknown: South Africa: Botshabelo: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Merenski: 1

Merfield, F.G.

Collection Date Unknown: Cameroon: Batouri district: BMNH: 2, PCMB: 4 [6] - Lomié district: BMNH: 1 [1 - **7** - **7**].
31 May 1932: Cameroon: Lumbindu: BMNH: 1 [1 - **1** - **1**].
16 June 1932: Cameroon: Kanyol Village: BMNH: 1 [1 - **1** - **1**].
11 July 1932: Cameroon: Mey Joss Village: BMNH: 1 [1 - **1** - **1**].
11 March 1933: Cameroon: Obala: PCMB: 1 [1 - **1** - **1**].
2 May 1933: Cameroon: Obala: PCMB: 1 [1 - **1** - **1**].

Total Specimens for Merfield, F.G.: 12

Merkl, O.

26 January 1992: Kenya: Mt. Elgon-NP, Chepnyalil Cave: HNHM: 5 [5 - **5** - **5**].

Total Specimens for Merkl, O.: 5

Mertens, Robert
(1894: St. Petersburg - 23 August 1975)

28 October 1937: Cameroon: Unknown locality: SMF: 1 [1 - **1** - **1**].
29 September 1952: Namibia: Windhoek: SMF: 1 [1 - **1** - **1**].

Total Specimens for Mertens, Robert: 2

Mesmaekers, Is.

18 August 1951: Congo (Democratic Republic of the): Banana: RMCA: 3 [3 - **3** - **3**].
16 December 1951: Congo (Democratic Republic of the): Banana - Boma road km 74, 25 km from coast in forest: RMCA: 11 [11 - **11** - **11**].
1 January 1952: Congo (Democratic Republic of the): Banana: RMCA: 5 [5 - **5** - **5**].
13 March 1952: Congo (Democratic Republic of the): Banana: RMCA: 10 [10 - **10** - **10**].
12 April 1952: Congo (Democratic Republic of the): Banana: BMNH: 1, RMCA: 16 [17 - **17** - **17**].
1 May 1952: Congo (Democratic Republic of the): Banana: RMCA: 12 [12 - **12** - **12**].
1 August 1952: Congo (Democratic Republic of the): Banana: RMCA: 2 [2 - **2** - **2**].
1 February 1955: Congo (Democratic Republic of the): Boma: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Mesmaekers, Is.: 62

Messedaglia, Giacomo Bartolomeo
(1846: Italy - 1893 or 1896: Italy)

Collection Date Unknown: Egypt: Korosko: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Messedaglia, Giacomo Bartolomeo: 1

Metherell, A.D.

30 September 1980: South Africa: Broughton: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Metherell, A.D.: 1

Methner

Collection Date Unknown: Tanzania: Nangoma cave?: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Methner: 2

Meyer, Andre

15 December 1973: South Africa: Farm Klipfontein 407, Echo caves: TM: 5 [5 - **5** - **5**].

Total Specimens for Meyer, Andre: 5

Meyer, R.

1 January 1960: Nigeria: Ogoja County: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Meyer, R.: 1

Miceli, F.

1 February 1885: Tunisia: Tunis: SMF: 2 [2 - **2** - **2**].

Total Specimens for Miceli, F.: 2

Micha, M.

26 November 1947: Congo (Democratic Republic of the): Gangala na Bodio: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Micha, M.: 1

Michahelles, Karl
(1807 - 1834)

Collection Date Unknown: Egypt: Unknown locality: ZMB: 3 [3] - no specific locality: ZMB: 3 [3 - **6** - **6**].

Total Specimens for Michahelles, Karl: 6

Michielsen

2 May 1952: Congo (Democratic Republic of the): Iyonda: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Michielsen: 1

Middleton

4 August 1963: Kenya: Kitale, 20 mi SW: USNM: 2 [2 - **2** - **2**].

Total Specimens for Middleton: 2

Milet-Horsin, M.

4 February 1921: Niger: Unknown locality: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Milet-Horsin, M.: 1

Mill, T.A.

Collection Date Unknown: Zambia: Samfya: HNHM: 1 [1 - **1** - **1**].
16 November 1973: Zambia: Kilwa Island: NMZL: 1 [1 - **1** - **1**].

Total Specimens for Mill, T.A.: 2

Miller, Charles D.

Collection Date Unknown: Cameroon: Unknown locality: YPM: 20 [20] - Kumba: YPM: 4 [4 - **24** - **24**].
7 December 1972: Cameroon: Muyuka [= Muea]: YPM: 1 [1 - **1** - **1**].
14 January 1973: Cameroon: Kumba: YPM: 1 [1 - **1** - **1**].
27 May 1973: Cameroon: Banga Bakundu: YPM: 1 [1 - **1** - **1**].

Total Specimens for Miller, Charles D.: 27

Miller, N.C.E.

10 June 1947: Zimbabwe: Umtali Old Mine: BMNH: 1 [1 - **1** - **1**].
19 October 1948: Zimbabwe: Odzi district: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Miller, N.C.E.: 2

Millot, Jacques
(9 July 1897 - 23 January 1980)

1 January 1949: Madagascar: Maromandia, NW: FMNH: 3 [3 - **3** - **3**].

Total Specimens for Millot, Jacques: 3

Milton

18 September 1949: Malawi: Mwaya: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Milton: 1

Minter, D.M.

18 April 1963: Kenya: Lake Naivasha: USNM: 6 [6 - **6** - **6**].
24 May 1963: Kenya: Lake Naivasha: USNM: 2 [2] - Naivasha: ROM: 1 [1 - **3** - **3**].

Total Specimens for Minter, D.M.: 9

Mischlich

Collection Date Unknown: "Africa": Napa-ire: ZMB: 1 [1 - **1**].
Ghana: Kete Krachi: ZMB: 1 [1 - **1** - **2**].

20 December 1900: Ghana: Bimbila: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Mischlich: 3

Misonne, Xavier
(15 August 2007: Génèbrières)

1 January 1961: Congo (Democratic Republic of the): Léopoldville: RBINS: 1 [1 - **1** - **1**].
23 February 1966: Congo (Democratic Republic of the): Kakontwe: RMCA: 50 [50 - **50** - **50**].
25 March 1966: Congo (Democratic Republic of the): M'Baya cave: RMCA: 141 [141 - **141** - **141**].
26 March 1966: Congo (Democratic Republic of the): Lubumbashi: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Misonne, Xavier: 194

Misselhorn, R.

8 July 1992: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].

Total Specimens for Misselhorn, R.: 1

Mission Biologique au Gabon, La

Collection Date Unknown: Gabon: Unknown locality: ZMA: 1 [1] - Makokou: ZMA: 1 [1 - **2** - **2**].
17 June 1952: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
1 January 1962: Gabon: Makokou, near: ZMA: 1 [1 - **1** - **1**].
18 January 1962: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
12 February 1962: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
26 April 1962: Gabon: Makokou: ZMA: 4 [4 - **4** - **4**].
1 December 1962: Gabon: Bélinga: ZMA: 2 [2 - **2** - **2**].
9 December 1962: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
26 December 1962: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
27 December 1962: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
28 December 1962: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
1 January 1963: Gabon: Bélinga: ZMA: 7 [7 - **7** - **7**].
4 January 1963: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
5 January 1963: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
27 January 1963: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
1 February 1963: Gabon: Bélinga: ZMA: 12 [12 - **12** - **12**].
16 February 1963: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
18 February 1963: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
22 February 1963: Gabon: Bélinga: ZMA: 3 [3 - **3** - **3**].
1 March 1963: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
20 April 1963: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
20 June 1963: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
25 June 1963: Gabon: Bélinga: ZMA: 6 [6 - **6** - **6**].
1 July 1963: Gabon: Bélinga: ZMA: 3 [3] - Nwadi: ZMA: 2 [2 - **5** - **5**].
22 July 1963: Gabon: Batouala: ZMA: 14 [14 - **14** - **14**].
24 July 1963: Gabon: Batouala: ZMA: 1 [1 - **1** - **1**].
25 July 1963: Gabon: Batouala: ZMA: 1 [1] - Batouala, near: ZMA: 1 [1] - Makokou: ZMA: 3 [3 - **5** - **5**].
1 August 1963: Gabon: Bélinga: ZMA: 2 [2] - Nwadi: ZMA: 1 [1 - **3** - **3**].
1 December 1963: Gabon: Makokou: ZMA: 2 [2 - **2** - **2**].
12 December 1963: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
1 January 1964: Gabon: Bélinga: ZMA: 7 [7] - Bélinga, near: ZMA: 2 [2] - Makokou and Bélinga, between: ZMA: 1 [1 - **10** - **10**].
1 February 1964: Gabon: Bélinga: ZMA: 4 [4 - **4** - **4**].
7 February 1964: Gabon: Makokou: ZMA: 2 [2 - **2** - **2**].
12 February 1964: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
14 February 1964: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
20 February 1964: Gabon: Bélinga: ZMA: 1 [1] - Grottes de Massa: ZMA: 2 [2 - **3** - **3**].
25 February 1964: Gabon: Makokou: ZMA: 2 [2 - **2** - **2**].
1 March 1964: Gabon: Bélinga: ZMA: 2 [2 - **2** - **2**].
10 April 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
21 April 1964: Gabon: Bélinga: ZMA: 2 [2 - **2** - **2**].
1 January 1965: Gabon: Oyem: ZMA: 7 [7 - **7** - **7**].
18 February 1965: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
1 October 1965: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
15 November 1965: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
25 November 1965: Gabon: Loa-loa: ZMA: 2 [2 - **2** - **2**].
5 December 1965: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
10 December 1965: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
15 December 1965: Gabon: Batouala: ZMA: 1 [1] - Bengoué: ZMA: 2 [2] - Makokou: ZMA: 1 [1 - **4** - **4**].
20 May 1987: Gabon: Batouala: ZMA: 1 [1 - **1** - **1**].
17 September 1987: Gabon: Unknown locality: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Mission Biologique au Gabon, La: 131

Mission F.A.A., La

5 August 1929: Madagascar: Mistinjo: MNHN: 1 [1 - **1** - **1**].
20 February 1930: Madagascar: Tsimanampetsotsa, lake: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Mission F.A.A., La: 3

Mission Frantf…, La

Collection Date Unknown: "Africa": Northern Africa: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Mission Frantf…, La: 1

Mission Hydrobiol. Lac Tanganiyka, La

12 November 1946: Congo (Democratic Republic of the): Albertville: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Mission Hydrobiol. Lac Tanganiyka, La: 1

Mission Saharienne, La

1 June 1928: Mali: Bourèm: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Mission Saharienne, La: 1

Mission Scientifique Suisse à Angola, La

Collection Date Unknown: Angola: Unknown locality: MHNN: 1 [1] - Kuvango: MHNN: 1 [1 - **2** - **2**].

Total Specimens for Mission Scientifique Suisse à Angola, La: 2

Mission Université Libre de Bruxelles

1 July 1966: Seychelles: Mahé: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Mission Université Libre de Bruxelles: 2

Mission zoologique Belge, La

29 September 1983: Comoros: St Antoine: RMCA: 3 [3 - **3** - **3**].
1 October 1983: Comoros: St Antoine: RMCA: 2 [2 - **2** - **2**].
7 October 1983: Comoros: Chiconi: RMCA: 1 [1 - **1** - **1**].
23 October 1983: Comoros: Mtsangamouthoum: RMCA: 1 [1 - **1** - **1**].
24 October 1983: Comoros: Mtsangamouthoum: RMCA: 1 [1 - **1** - **1**].
25 October 1983: Comoros: Adda Doueni: RMCA: 1 [1] - Moroni: RMCA: 10 [10 - **11** - **11**].
26 October 1983: Comoros: Mtsangamouthoum: RMCA: 1 [1 - **1** - **1**].
28 October 1983: Comoros: Moroni: RMCA: 1 [1 - **1** - **1**].
8 November 1983: Comoros: St Antoine: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Mission zoologique Belge, La: 23

Mission Zoologique Franco-Anglo-Americaine, La

25 May 1930: Madagascar: Maroantsetra [= Bevato], 40 km NW: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Mission Zoologique Franco-Anglo-Americaine, La: 1

Missione Biologica Somalia, La

26 August 1962: Somalia: Villabruzzi [=Villa del dottore Abruzzi]: MZUF: 1 [1 - **1** - **1**].

Total Specimens for Missione Biologica Somalia, La: 1

Mitchell, 1

29 November 1961: Zimbabwe: Miami, 4 mi E: HZM: 1 [1 - **1** - **1**].

Total Specimens for Mitchell, 1: 1

Mitchell, J.P.

4 June 1922: Ethiopia: Bahr dar Giorgis: BMNH: 1 [1] - Bahr der Giorgis: BMNH: 1 [1 - **2** - **2**].

Total Specimens for Mitchell, J.P.: 2

Mittendorf, H.

22 August 1967: Namibia: Karibib: ZFMK: 1 [1 - **1** - **1**].
27 August 1967: Namibia: Karibib: ZFMK: 3 [3 - **3** - **3**].
9 March 1969: Namibia: Windhoek: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for Mittendorf, H.: 7

Möbius

Collection Date Unknown: Mauritius: Unknown locality: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Möbius: 2

Mochaki, Stephina

25 September 2002: South Africa: Shoshanguve: TM: 1 [1 - **1** - **1**].

Total Specimens for Mochaki, Stephina: 1

Mockford, H.H.; Nel, P.

1 December 1978: South Africa: W.N.L.A. Garden, Pafuri: KNP: 1 [1 - **1** - **1**].

Total Specimens for Mockford, H.H.; Nel, P.: 1

Modha

5 September 1966: Kenya: Tsavo East-NP, Mudanda Rock Crevices: ROM: 1 [1 - **1** - **1**].

Total Specimens for Modha: 1

Moehlman, Patricia D.

22 June 1995: Tanzania: Mangula: FMNH: 3 [3 - **3** - **3**].
23 June 1995: Tanzania: Mangula: FMNH: 3 [3 - **3** - **3**].
28 June 1995: Tanzania: Udzungwa National Park: FMNH: 4 [4 - **4** - **4**].
29 June 1995: Tanzania: Udzungwa National Park: FMNH: 1 [1 - **1** - **1**].
1 July 1995: Tanzania: Udzungwa National Park: FMNH: 3 [3 - **3** - **3**].

Total Specimens for Moehlman, Patricia D.: 14

Mohr, Richard

Collection Date Unknown: Ghana: Begoro: SMNS: 1 [1 - **1**].
South Africa: Port Natal [=Durban]: ZMB: 1 [1 - **1** - **2**].

Total Specimens for Mohr, Richard: 2

Möhres

Collection Date Unknown: Egypt: Gizeh: SMNS: 2 [2 - **2** - **2**].

Total Specimens for Möhres: 2

Moloney, Alfred

Collection Date Unknown: Nigeria: Lagos: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Moloney, Alfred: 1

Monadjem, Ara

Collection Date Unknown: Swaziland: Forbes Gold Mine [=Forbes Reef Gold Mine]: TM: 1 [1] - Luyengo: TM: 1 [1] - Malalotja Cottage: TM: 1 [1 - **3** - **3**].
1 March 1994: Swaziland: Mlawula Nature Reserve: TM: 1 [1 - **1** - **1**].
2 April 1994: Swaziland: Mlawula Nature Reserve: TM: 1 [1 - **1** - **1**].
16 April 1994: Swaziland: Luyengo: TM: 1 [1 - **1** - **1**].
4 July 1995: Swaziland: Hlane [2]: TM: 1 [1 - **1** - **1**].
7 July 1995: Swaziland: Hlane [2]: TM: 1 [1 - **1** - **1**].
2 August 1995: Swaziland: Dinedor: TM: 1 [1 - **1** - **1**].
25 January 1996: Swaziland: Luyengo: TM: 1 [1 - **1** - **1**].
6 February 1996: Swaziland: Nsoko [=Forbes Ranch]: TM: 1 [1 - **1** - **1**].

12 February 1996: Swaziland: Byrhytes mine: TM: 1 [1 - **1** - **1**].
15 March 1996: Swaziland: Ekuphakameni High School: TM: 1 [1 - **1** - **1**].
16 March 1996: Swaziland: Ngcoseni Primary: TM: 1 [1 - **1** - **1**].
17 March 1996: Swaziland: Ngcoseni Primary: TM: 3 [3 - **3** - **3**].
18 March 1996: Swaziland: Ngcoseni Primary: TM: 5 [5 - **5** - **5**].
20 March 1996: Swaziland: Bethlehem Mission: TM: 2 [2 - **2** - **2**].
26 March 1996: Swaziland: Dwalile Primary School: TM: 2 [2 - **2** - **2**].
6 December 1997: Swaziland: Byrhytes mine: DNSM: 1 [1 - **1** - **1**].
8 January 2005: Swaziland: Wylesdale Gold Mine: DNSM: 2 [2 - **2** - **2**].
15 January 2005: Swaziland: Rosecraft: TM: 1 [1 - **1** - **1**].
21 September 2005: Swaziland: Forbes Gold Mine [=Forbes Reef Gold Mine]: TM: 3 [3 - **3** - **3**].
26 September 2005: Swaziland: Ebaleni: TM: 2 [2 - **2** - **2**].
15 October 2005: Swaziland: Rosecraft: TM: 3 [3 - **3** - **3**].
17 October 2005: Swaziland: Bhubesi Camp: TM: 2 [2 - **2** - **2**].
19 January 2006: Swaziland: Mlawula Nature Reserve: TM: 2 [2 - **2** - **2**].
15 June 2006: Mozambique: Chinizuia Forest: DNSM: 1 [1 - **1** - **1**].
23 June 2006: Mozambique: Pemba, SW of: DNSM: 1 [1 - **1** - **1**].
1 July 2006: Mozambique: Maputo Camp: DNSM: 1 [1 - **1** - **1**].
23 December 2010: Liberia: Yiti River: DNSM: 1 [1 - **1** - **1**].
23 December 2011: Liberia: Mount Nimba: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Monadjem, Ara: 47

Monadjem, Ara; Kearney, Teresa Catherine; Seamark Ernest Charles James

2 February 2006: Swaziland: Mlawula Nature Reserve, site 1: TM: 6 [6 - **6** - **6**].
3 February 2006: Swaziland: Mlawula Nature Reserve, site 1: TM: 2 [2 - **2** - **2**].

Total Specimens for Monadjem, Ara; Kearney, Teresa Catherine; Seamark Ernest Charles James: 8

Monadjem, Ara; Le Minter, Gildas; Lagadec, Erwan

1 July 2015: Mozambique: Gorongosa National Park: DNSM: 12 [12 - **12** - **12**].

Total Specimens for Monadjem, Ara; Le Minter, Gildas; Lagadec, Erwan: 12

Monard, Albert
(1886 - 1952)

Collection Date Unknown: Angola: Unknown locality: MHNG: 1 [1] - Humbe: MHNG: 1 [1] - Kuvango Mission: MHNN: 1 [1] - Sangueve: MHNG: 1 [1 - **4**].
Guinea-Bissau: Contubo-el: MHNC: 5, RMCA: 1 [6] - Madina Boé: MNHN: 1, RMCA: 1 [2] - Mansoa: RMCA: 1 [1] - Ponta Robalo: MHNG: 2 [2 - **11** - **15**].
1 June 1932: Angola: Cambisa: RMCA: 1 [1 - **1** - **1**].
3 January 1933: Angola: Kuvangu Mission: MHNG: 1 [1 - **1** - **1**].
2 March 1933: Angola: Kuvango Mission: RMCA: 1 [1 - **1** - **1**].
1 January 1937: Guinea-Bissau: Mansoa: RMCA: 1 [1 - **1** - **1**].
24 November 1937: Guinea-Bissau: Ponta Robalo: MHNG: 1 [1 - **1** - **1**].
25 November 1937: Guinea-Bissau: Bissalanca: RMCA: 2 [2 - **2** - **2**].
1 December 1937: Guinea-Bissau: Mansoa: RMCA: 1 [1 - **1** - **1**].
11 December 1937: Guinea-Bissau: Mansoa: NMBA: 1 [1 - **1** - **1**].
12 December 1937: Guinea-Bissau: Mansoa: MHNC: 1, NMBA: 2 [3 - **3** - **3**].
14 December 1937: Guinea-Bissau: Mansoa: MHNG: 1 [1 - **1** - **1**].
17 December 1937: Guinea-Bissau: Mansoa: NMBA: 1 [1 - **1** - **1**].
20 January 1938: Guinea-Bissau: Sama: MHNC: 1 [1 - **1** - **1**].
5 March 1938: Guinea-Bissau: Madina Boé: NMBA: 2, RMCA: 1 [3 - **3** - **3**].
9 March 1938: Guinea-Bissau: Madina Boé: NMBA: 2, RMCA: 1 [3 - **3** - **3**].

Total Specimens for Monard, Albert: 36

Monks, D.; Foster, J.B.

8 September 1966: Kenya: Voi: ROM: 2 [2 - **2** - **2**].

Total Specimens for Monks, D.; Foster, J.B.: 2

Monod, Th.

6 January 1928: Mali: Bourem: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Monod, Th.: 1

Monteiro, J.J.

Collection Date Unknown: Angola: Benguela: BMNH: 1, ZMB: 7 [8 - **8** - **8**].

Total Specimens for Monteiro, J.J.: 8

Mook

6 June 1880: Egypt: Cairo, near: NMW: 1 [1 - **1** - **1**].

Total Specimens for Mook: 1

Mook; Schneider; Basel

Collection Date Unknown: Egypt: Helonan [=Helouan, Helwan]: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Mook; Schneider; Basel: 2

Moore, A.L.

6 February 1964: Mozambique: Massangena: USNM: 1 [1 - **1** - **1**].
8 February 1964: Mozambique: Massangena: USNM: 4 [4 - **4** - **4**].
25 February 1964: Mozambique: Chimonzo: USNM: 4 [4 - **4** - **4**].

Total Specimens for Moore, A.L.: 9

Morales, A.

17 August 1932: Morocco: Xerafat: USNM: 1 [1 - **1** - **1**].

Total Specimens for Morales, A.: 1

Moreau, R.E.

Collection Date Unknown: Tanzania: Mafia Island: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Moreau, R.E.: 1

Morel, G.

Collection Date Unknown: Réunion: Réunion Island: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Morel, G.: 2

Morgen

Collection Date Unknown: Cameroon: Kribi: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Morgen: 1

Moritz, Laura J.

Collection Date Unknown: Sudan: Unknown locality: MSU: 1 [1 - **1** - **1**].
1 January 1982: Sudan: Unknown locality: MSU: 4 [4 - **4** - **4**].
4 July 1982: Sudan: Khartoum: MSU: 1 [1 - **1** - **1**].
5 July 1982: Sudan: Khartoum: MSU: 1 [1 - **1** - **1**].
8 July 1982: South Sudan: Wau: MSU: 1 [1 - **1** - **1**].
14 July 1982: South Sudan: Wau: MSU: 1 [1 - **1** - **1**].
15 July 1982: South Sudan: Wau: MSU: 4 [4 - **4** - **4**].
16 July 1982: South Sudan: Wau: MSU: 2 [2 - **2** - **2**].
20 July 1982: South Sudan: Wau: MSU: 23 [23 - **23** - **23**].
25 July 1982: South Sudan: Wau: MSU: 8 [8 - **8** - **8**].
2 August 1982: South Sudan: Wau: MSU: 2 [2] - Wau, 3 mi S: MSU: 1 [1 - **3** - **3**].
5 August 1982: South Sudan: Wau: MSU: 9 [9 - **9** - **9**].
12 August 1982: South Sudan: Wau: MSU: 13 [13 - **13** - **13**].
17 August 1982: South Sudan: Wau: MSU: 10 [10 - **10** - **10**].
18 August 1982: South Sudan: Wau: MSU: 10 [10 - **10** - **10**].
22 August 1982: South Sudan: Wau: MSU: 4 [4 - **4** - **4**].
26 August 1982: South Sudan: Wau: MSU: 1 [1 - **1** - **1**].
28 August 1982: South Sudan: Wau: MSU: 6 [6 - **6** - **6**].
5 September 1982: South Sudan: Agok: MSU: 8 [8] - Wau: MSU: 1 [1 - **9** - **9**].
10 September 1982: South Sudan: Mbili: MSU: 9 [9 - **9** - **9**].
17 September 1982: South Sudan: Wau: MSU: 3 [3 - **3** - **3**].
20 September 1982: South Sudan: Ngohalima: MSU: 3 [3] - Ngohalima, on Busseri River: MSU: 4 [4 - **7** - **7**].

23 September 1982: South Sudan: Wau: MSU: 4 [4 - **4** - **4**].
26 September 1982: South Sudan: Ngosulugu: MSU: 2 [2 - **2** - **2**].
2 October 1982: South Sudan: Raffili: MSU: 5 [5 - **5** - **5**].
5 October 1982: South Sudan: Agok: MSU: 1 [1] - Along Busseri River, Agok mango grove: MSU: 1 [1] - Wau: MSU: 1 [1 - **3** - **3**].
15 October 1982: South Sudan: Wau: MSU: 6 [6 - **6** - **6**].
20 October 1982: South Sudan: Wau: MSU: 1 [1 - **1** - **1**].
21 October 1982: South Sudan: Wau: MSU: 2 [2 - **2** - **2**].
23 October 1982: Kenya: Lamu town, NW of: MSU: 1 [1 - **1**].
South Sudan: Wau-Agok: MSU: 2 [2 - **2** - **3**].
28 October 1982: South Sudan: Wau: MSU: 5 [5 - **5** - **5**].
30 October 1982: South Sudan: Wau: MSU: 3 [3 - **3** - **3**].
5 November 1982: South Sudan: Rumbeck: MSU: 1 [1 - **1** - **1**].
6 November 1982: South Sudan: Wau: MSU: 1 [1 - **1** - **1**].
18 November 1982: Kenya: Lamu town, NW of: MSU: 1 [1 - **1** - **1**].
20 November 1982: South Sudan: Mbili: MSU: 1 [1 - **1** - **1**].
26 November 1982: South Sudan: Dem Zubeir: MSU: 2 [2] - Mbili: MSU: 1 [1 - **3** - **3**].
27 November 1982: South Sudan: Raga: MSU: 3 [3] - Wau: MSU: 1 [1 - **4** - **4**].
28 November 1982: South Sudan: Raga: MSU: 5 [5 - **5** - **5**].
5 December 1982: South Sudan: Rumbeck: MSU: 1 [1 - **1** - **1**].
7 December 1982: South Sudan: Mandri: MSU: 2 [2] - Mundri: MSU: 4 [4 - **6** - **6**].
14 December 1982: Kenya: Lamu town, NW of: MSU: 4 [4 - **4** - **4**].
15 December 1982: Kenya: Lamu town, NW of: MSU: 2 [2 - **2** - **2**].
16 December 1982: Kenya: Lamu town, NW of: MSU: 7 [7] - Matondoni: MSU: 2 [2 - **9** - **9**].
2 January 1983: South Sudan: Juba: MSU: 3 [3 - **3** - **3**].
25 January 1983: South Sudan: Wau: MSU: 2 [2 - **2** - **2**].

Total Specimens for Moritz, Laura J.: 207

Morris, B.

Collection Date Unknown: Malawi: Zoa Tea Estate: NMMB: 3 [3 - **3** - **3**].

Total Specimens for Morris, B.: 3

Morris, P.

21 August 1968: Ethiopia: Azir River mouth: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Morris, P.: 3

Morris, P.; Great Abbai Expedition, the

Collection Date Unknown: Ethiopia: Fincha River, mouth: BMNH: 2 [2 - **2** - **2**].
15 August 1968: Ethiopia: Mabil, 10 km W: BMNH: 2 [2 - **2** - **2**].
18 August 1968: Ethiopia: Mabil: BMNH: 5 [5] - Mabil, 10 km W: BMNH: 1 [1 - **6** - **6**].
19 August 1968: Ethiopia: Mabil, 10 km W: BMNH: 2 [2 - **2** - **2**].
25 September 1968: Ethiopia: Awash National Park: BMNH: 2 [2 - **2** - **2**].
27 September 1968: Ethiopia: Awash National Park: BMNH: 1 [1 - **1** - **1**].
28 September 1968: Ethiopia: Awash National Park: BMNH: 4 [4 - **4** - **4**].

Total Specimens for Morris, P.; Great Abbai Expedition, the: 19

Mothlasedi, S.

14 March 1988: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
15 March 1988: South Africa: Wakkerstroom: TM: 1 [1 - **1** - **1**].

Total Specimens for Mothlasedi, S.: 2

Mounier, M.

1 January 1913: Madagascar: Forêt d'Analalava: MCZ: 14 [14 - **14** - **14**].
1 October 1913: Madagascar: Forêt d'Analalava: MCZ: 3 [3 - **3** - **3**].

Total Specimens for Mounier, M.: 17

Moyer, D.C.

18 March 1982: Tanzania: Tatanda: SMF: 3 [3 - **3** - **3**].
12 July 1998: Tanzania: Udzungwa Mts, Udzungwa Scarp Forest Reserve, Kihanga: FMNH: 1 [1 - **1** - **1**].
24 October 1998: Tanzania: Kele: FMNH: 1 [1 - **1** - **1**].
8 April 2002: Tanzania: Kigwembinbi: FMNH: 1 [1 - **1** - **1**].
10 November 2004: Tanzania: Kigwembinbi: FMNH: 1 [1 - **1** - **1**].
2 January 2006: Tanzania: Matema village: FMNH: 1 [1 - **1** - **1**].

5 February 2006: Tanzania: Kangwena: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Moyer, D.C.: 9

Mpumalanga Parks Board, The

Collection Date Unknown: "Africa": Unknown locality: TM: 4 [4 - **4** - **4**].

Total Specimens for Mpumalanga Parks Board, The: 4

MSS Cameroun

13 September 1947: Cameroon: Rei Bouba: MHNC: 2 [2 - **2** - **2**].

Total Specimens for MSS Cameroun: 2

Msuya, C.A.

Collection Date Unknown: Tanzania: Songo Songo Island: FMNH: 1 [1 - **1** - **1**].
1 June 1977: Tanzania: Behobeho: SMF: 1 [1 - **1** - **1**].
24 July 1982: Tanzania: Mwanihana forest: SMF: 1 [1 - **1** - **1**].

Total Specimens for Msuya, C.A.: 3

Mturi, F.A.

19 March 1995: Tanzania: Arusha National Park: AMNH: 8 [8] - Tanangire National Park: AMNH: 1 [1 - **9** - **9**].

Total Specimens for Mturi, F.A.: 9

Muche, B.

21 August 1965: Botswana: Francistown: HZM: 2, ZFMK: 3 [5 - **5** - **5**].
22 August 1965: Botswana: Francistown: HZM: 1 [1 - **1** - **1**].
23 August 1965: Botswana: Francistown: ZFMK: 1 [1 - **1** - **1**].
8 September 1965: Botswana: Francistown: ZFMK: 1 [1 - **1** - **1**].
9 September 1965: Botswana: Francistown: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Muche, B.: 9

Muir, G.J.

Collection Date Unknown: Kenya: Malindi: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Muir, G.J.: 1

Mulie, C.

1 January 1876: Madagascar: Unknown locality: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Mulie, C.: 1

Müller

Collection Date Unknown: Somalia: Mogadischu [=Mogadishiu =Moqdisho]: ZMB: 48 [48] - no specific locality: ZMB: 4 [4 - **52** - **52**].

Total Specimens for Müller: 52

Muller, H.

10 March 1988: South Africa: Ngome Forest Reserve: TM: 5 [5 - **5** - **5**].

Total Specimens for Muller, H.: 5

Muller, H.P.

15 May 1960: Tunisia: El Haouaria cave: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Muller, H.P.: 1

Muller, P.

21 February 1988: South Africa: Farm Roodekopjes: LACM: 1 [1 - **1** - **1**].

Total Specimens for Muller, P.: 1

Mulumbu, T.

Collection Date Unknown: Zambia: Sumbu: NMZL: 3 [3 - **3** - **3**].
21 April 1972: Zambia: Sumbu: NMZL: 1 [1 - **1** - **1**].

Total Specimens for Mulumbu, T.: 4

Mumba, D.; Hanney, Peter W.

24 May 1961: Malawi: Karonga: NMMB: 2 [2 - **2** - **2**].

Total Specimens for Mumba, D.; Hanney, Peter W.: 2

Mumford, Russell E.

Collection Date Unknown: Burkina Faso: Nobere, 1 km S: ROM: 3 [3] - Nobere, 1.5 km S: ROM: 12 [12 - **15**].
Kenya: Unknown locality: ROM: 1 [1] - Barberton Cave: USNM: 2 [2] - Barberton Farm: USNM: 2 [2] - Kakamega Forest: USNM: 1 [1] - Kitale, 7 mi E: USNM: 1 [1] - Ngong Hills: USNM: 2 [2 - **9** - **24**].
7 June 1948: Kenya: Nairobi: USNM: 2 [2 - **2** - **2**].
17 December 1958: Zambia: Kabompo district: ROM: 1 [1 - **1** - **1**].
10 May 1960: Kenya: Karen: ROM: 1 [1 - **1** - **1**].
16 May 1960: Kenya: Karen: ROM: 1 [1 - **1** - **1**].
27 May 1961: South Africa: Uitkomst, Farm 499: ROM: 1 [1 - **1** - **1**].
22 June 1962: South Africa: John Nash Nature Reserve: ROM: 1 [1 - **1** - **1**].
1 January 1963: Kenya: Nairobi: ROM: 1, USNM: 1 [2 - **2** - **2**].
1 March 1963: Kenya: Kedong Valley: ROM: 3 [3] - Mount Suswa cave: USNM: 1 [1 - **4** - **4**].
31 March 1963: Kenya: Mount Suswa: USNM: 1 [1 - **1** - **1**].
4 April 1963: Kenya: Mount Suswa cave: USNM: 2 [2 - **2** - **2**].
16 April 1963: Kenya: Nairobi: USNM: 1 [1 - **1** - **1**].
28 May 1963: Kenya: Garissa: ROM: 1 [1 - **1** - **1**].
6 June 1963: Kenya: Menengai Crater, Mengengai cave: USNM: 1 [1 - **1** - **1**].
7 June 1963: Kenya: Nairobi: ROM: 24, USNM: 20 [44] - Ngong: ROM: 1, USNM: 1 [2 - **46** - **46**].
8 June 1963: Kenya: Lake Naivasha: ROM: 32, USNM: 26 [58] - Lake Naivasha, E shore: USNM: 1 [1] - Menengai Crater, Mengengai cave: USNM: 6 [6 - **65** - **65**].
9 June 1963: Kenya: Lake Naivasha: USNM: 1 [1] - Menengai Crater, Mengengai cave: ROM: 1, USNM: 4 [5] - Nakuru: ROM: 4 [4 - **10** - **10**].
10 June 1963: Kenya: Kakamega Forest: ROM: 2 [2 - **2** - **2**].
11 June 1963: Kenya: Kakamega Forest, 12.8 km SE: USNM: 1 [1] - Lake Naivasha: ROM: 5 [5 - **6** - **6**].
12 June 1963: Kenya: Kakamega Forest, 12.8 km SE: ROM: 2 [2] - Nairobi province: USNM: 2 [2 - **4** - **4**].
13 June 1963: Kenya: Kakamega Forest: ROM: 1 [1] - Kakamega forest, 8 mi SE: USNM: 1 [1 - **2** - **2**].
14 June 1963: Kenya: Kakamega Forest, 12.8 km SE: USNM: 2 [2 - **2** - **2**].
15 June 1963: Kenya: Kakamega: USNM: 10 [10] - Kakamega Forest: ROM: 3, USNM: 1 [4] - Kakamega Forest Mine: ROM: 15 [15] - Kakamega Forest, 12.8 km SE: ROM: 15, USNM: 18 [33] - Kakamega Forest, 8 mi [= 12.8 km] SE: ROM: 1 [1] - Kakamege, 8 mi [= 12.8 km] S: USNM: 6 [6] - Nairobi: USNM: 2 [2 - **71** - **71**].
16 June 1963: Kenya: Kakamega forest, 8 mi SE: ROM: 1, USNM: 1 [2 - **2** - **2**].
17 June 1963: Kenya: Kakamega forest, 8 mi SE: USNM: 1 [1 - **1** - **1**].
18 June 1963: Kenya: Legatet Hill: ROM: 1 [1] - Legatet Hill cave: ROM: 9 [9] - Menengai: USNM: 2 [2] - Menengai Crater: USNM: 1 [1] - Menengai Crater, Mengengai cave: ROM: 12, USNM: 9 [21] - Nakuru: ROM: 1 [1 - **35** - **35**].
19 June 1963: Kenya: Isiolo: ROM: 2 [2 - **2** - **2**].
20 June 1963: Tanzania: Tanga: ROM: 1 [1 - **1** - **1**].
21 June 1963: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].
23 June 1963: Kenya: Kiboko: ROM: 1 [1 - **1** - **1**].
27 June 1963: Kenya: Langata: USNM: 6 [6] - Langata cemetery: ROM: 9 [9 - **15** - **15**].
28 June 1963: Kenya: Maningi: ROM: 3, USNM: 1 [4 - **4** - **4**].
29 June 1963: Kenya: Ngong: ROM: 2 [2] - Ngong Hills: USNM: 1 [1 - **3** - **3**].
1 July 1963: Kenya: Ngong: USNM: 4 [4] - Ngong Hills: USNM: 1 [1 - **5** - **5**].
3 July 1963: Kenya: Jagartek and Talek rivers junction, 8 km above: ROM: 2 [2] - Ngong: ROM: 1, USNM: 1 [2] - Talek Gate, near: USNM: 1 [1 - **5** - **5**].
7 July 1963: Kenya: Athi river: ROM: 1 [1] - Isiolo: ROM: 8 [8] - Ngong: ROM: 1 [1] - Sultan Hamud: ROM: 2, USNM: 1 [3 - **13** - **13**].
8 July 1963: Kenya: 15 mi up from Tanganyika border, Mara river, 15 mi up: USNM: 2 [2 - **2** - **2**].
9 July 1963: Kenya: Lemek hill: USNM: 1 [1 - **1** - **1**].
11 July 1963: Kenya: Lake Naivasha: ROM: 3, USNM: 7 [10] - Lake Naivasha, E shore: USNM: 2 [2 - **12** - **12**].
12 July 1963: Tanzania: Tanga: ROM: 1 [1 - **1** - **1**].
16 July 1963: Kenya: Mau Forest: USNM: 2 [2] - Njoro River: USNM: 2 [2 - **4** - **4**].
18 July 1963: Kenya: Barberton Cave: USNM: 1 [1] - Koru: USNM: 3 [3] - Koru, 10 km ENE: ROM: 1 [1] - Koru, 3 mi N: USNM: 2 [2] - Legatet Hill: ROM: 15, USNM: 11 [26] - Legatet Hill cave: ROM: 5, USNM: 6 [11] - Suam River, Korau: ROM: 2 [2 - **46** - **46**].
20 July 1963: Kenya: Sagana River: ROM: 1 [1 - **1** - **1**].

21 July 1963: Kenya: Kakamega Forest: ROM: 1 [1] - Kakamega Forest Mine: ROM: 8 [8] - Kakamega Forest, 12.8 km SE: USNM: 8 [8] - Lukenia: ROM: 1, USNM: 1 [2 - **19** - **19**].
22 July 1963: Kenya: Kakamega Forest: ROM: 3, USNM: 3 [6 - **6**].
Tanzania: Magamba: ROM: 1 [1 - **1** - **7**].
23 July 1963: Kenya: Kakamega: USNM: 1 [1] - Kakamega Forest: ROM: 1, USNM: 2 [3] - Kakamega Forest, 12.8 km SE: USNM: 1 [1 - **5** - **5**].
24 July 1963: Kenya: Barberton farm cave: ROM: 1 [1] - Kakamega Forest: USNM: 2 [2] - Ngong: ROM: 1 [1] - Ngong Hills: USNM: 1 [1 - **5** - **5**].
25 July 1963: Kenya: Barberton Cave: ROM: 4, USNM: 7 [11] - Barberton Farm: ROM: 1 [1] - Kitale, 20 mi SW: USNM: 2 [2] - Mt Elgon foothills, Barberton farm: ROM: 2 [2 - **16** - **16**].
26 July 1963: Kenya: Barberton Farm: USNM: 2 [2] - Barberton Farm pool: ROM: 3, USNM: 6 [9] - Kitale, 20 mi SW: USNM: 1 [1] - Mt Elgon foothills, Barberton farm: ROM: 1 [1 - **13** - **13**].
27 July 1963: Kenya: Barberton Cave: USNM: 1 [1] - Barberton farm: ROM: 1 [1] - Barberton Farm pool: ROM: 3, USNM: 1 [4] - Kitale, 20 mi SW: USNM: 1 [1] - Mt Elgon foothills, Barberton farm: ROM: 1, USNM: 1 [2 - **9**].
Uganda: Gulu: USNM: 1 [1 - **1** - **10**].
28 July 1963: Kenya: Barberton Cave: USNM: 3 [3] - Barberton Farm: ROM: 2, USNM: 1 [3] - Barberton Farm pool: ROM: 2 [2] - Devil's cave: USNM: 1 [1] - Kitale: LACM: 1 [1] - Kitale, 20 mi SW: USNM: 2 [2] - Mt Elgon foothills, Barberton farm: ROM: 1 [1 - **13**].
Tanzania: Tanga: ROM: 1 [1 - **1** - **14**].
29 July 1963: Kenya: Barberton Cave: USNM: 2 [2] - Barberton Farm: ROM: 1 [1] - Mt Elgon foothills, Barberton farm: USNM: 1 [1] - Ngong: ROM: 1 [1 - **5** - **5**].
30 July 1963: Kenya: Barberton Farm: ROM: 1 [1] - Kitale, 20 mi SW: USNM: 4 [4] - Mt Elgon foothills, Barberton farm: ROM: 4, USNM: 2 [6 - **11** - **11**].
31 July 1963: Kenya: Mt Elgon foothills, Barberton farm: ROM: 1 [1 - **1** - **1**].
1 August 1963: Kenya: Kakamega Forest: USNM: 1 [1 - **1** - **1**].
3 August 1963: Kenya: Kit Rawlins Farm: USNM: 1 [1] - Menengai Crater: ROM: 1 [1] - Menengai Crater, Mengengai cave: ROM: 2, USNM: 5 [7] - Nakuru: ROM: 2 [2 - **11** - **11**].
4 August 1963: Kenya: Barberton Farm: ROM: 1 [1] - Kitale, 20 mi SW: USNM: 1 [1] - Nakuru, 6 km E: ROM: 1 [1 - **3** - **3**].
5 August 1963: Kenya: Mount Suswa cave: USNM: 1 [1 - **1** - **1**].
10 August 1963: Kenya: Kiboko: USNM: 1 [1] - Kiboko, 3 mi E: USNM: 2 [2] - Kiboko, 3 mi W: ROM: 1, USNM: 3 [4] - Kiboko, 5 km W: ROM: 1 [1] - Nairobi: ROM: 1 [1 - **9** - **9**].
12 August 1963: Kenya: Kilifi: ROM: 1 [1] - Kilifi, 10 km S: ROM: 2 [2 - **3** - **3**].
13 August 1963: Kenya: Shimani: USNM: 5 [5] - Shimoni: ROM: 5, USNM: 3 [8] - Shimoni cave: USNM: 1 [1 - **14** - **14**].
14 August 1963: Kenya: Kilifi: USNM: 1 [1] - Ngombeni [caves]: USNM: 1 [1] - Ngong Hills: USNM: 1 [1 - **3** - **3**].
15 August 1963: Kenya: Diani: ROM: 16, USNM: 20 [36] - Diani cave: ROM: 3 [3] - Ngombeni [caves]: ROM: 2, USNM: 4 [6] - Oloitokitok: USNM: 2 [2 - **47** - **47**].
18 August 1963: Kenya: Kilifi: USNM: 1 [1] - Mombasa, 22 mi N: USNM: 1 [1] - Vipingo cave: ROM: 15, USNM: 14 [29] - Vipingoni: ROM: 5 [5 - **36** - **36**].
19 August 1963: Kenya: Kilifi: ROM: 3, USNM: 4 [7] - Kilifi cave: ROM: 1 [1 - **8** - **8**].
20 August 1963: Kenya: Kilifi: ROM: 2, USNM: 3 [5] - Kilifi cave: USNM: 1 [1] - Ndi: USNM: 1 [1 - **7** - **7**].
21 August 1963: Kenya: Kilifi: USNM: 1 [1 - **1** - **1**].
22 August 1963: Kenya: Kiboko: ROM: 1, USNM: 1 [2] - Kiboko, 1 mi [= 1.6 km] E: USNM: 1 [1] - Kiboko, 4 mi [= 6.4 km] E: USNM: 1 [1] - Kiboko, 5 km W: ROM: 1 [1 - **5** - **5**].
23 August 1963: Kenya: Kiboko: ROM: 2, USNM: 1 [3] - Kiboko, 10 mi [= 16 km] E: ROM: 2, USNM: 4 [6] - Kiboko, 10 mi [= 16 km] W: USNM: 2 [2 - **11** - **11**].
25 August 1963: Kenya: Athi river: ROM: 2 [2] - Athi Station: ROM: 1 [1 - **3** - **3**].
26 August 1963: Kenya: Kiambu: USNM: 11 [11 - **11** - **11**].
9 September 1963: Uganda: Tororo, 64 km SW: ROM: 1 [1 - **1** - **1**].
11 March 1964: Kenya: Cherangani Hills: ROM: 1 [1 - **1** - **1**].
17 August 1965: Kenya: Takaungu: ROM: 2 [2 - **2** - **2**].
28 August 1965: Kenya: Baringo, lake: ROM: 1 [1 - **1** - **1**].
15 October 1965: Kenya: Similani cave: ROM: 1 [1 - **1** - **1**].
25 December 1965: Kenya: Bat island: ROM: 1 [1 - **1** - **1**].
23 January 1967: South Africa: Kalahari Gemsbok NP: ROM: 2 [2 - **2** - **2**].
4 March 1967: South Africa: John Nash Nature Reserve: ROM: 1 [1 - **1** - **1**].
19 March 1967: South Africa: Warmbad: ROM: 1 [1 - **1** - **1**].
12 April 1967: South Africa: St. Lucia: ROM: 1 [1 - **1** - **1**].
13 April 1967: South Africa: John Nash Nature Reserve: ROM: 14 [14 - **14** - **14**].
15 April 1967: South Africa: Warmbad, 2 mi E: ROM: 1 [1 - **1** - **1**].
16 April 1967: South Africa: Warmbad, 2 mi E: ROM: 1 [1 - **1** - **1**].
11 May 1967: South Africa: John Nash Nature Reserve: ROM: 1 [1] - Uitkomst, Farm 499: ROM: 8 [8 - **9** - **9**].
25 May 1967: Namibia: Uis tin mine: ROM: 3 [3 - **3** - **3**].
3 June 1967: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: FMNH: 1, ROM: 1 [2] - Warmbad, 40 mi WNW: ROM: 6 [6 - **8** - **8**].
11 June 1967: South Africa: Mtubatua, 18 mi [= 29 km] N: ROM: 6 [6 - **6** - **6**].
12 June 1967: South Africa: Masinda Camp: ROM: 3 [3 - **3** - **3**].
13 June 1967: South Africa: Masinda Camp: ROM: 2 [2 - **2** - **2**].
14 June 1967: South Africa: Durban, 48 km NW: ROM: 5 [5] - Umgeni Fish Hatchery: ROM: 29 [29 - **34** - **34**].
20 June 1967: South Africa: Pretoria: ROM: 1 [1] - Pretoria Boy's School: ROM: 6 [6] - Umgeni Fish Hatchery: ROM: 1 [1 - **8** - **8**].
22 June 1967: South Africa: Pretoria: ROM: 1 [1] - Pretoria Boy's School: ROM: 4 [4] - Pretoria, 30 mi [= 48 km] SW: ROM: 7 [7] - Uitkomst, Farm 499: FMNH: 1, ROM: 4 [5 - **17** - **17**].
16 July 1967: South Africa: Sabie River, Lower: ROM: 1 [1 - **1** - **1**].
20 July 1967: South Africa: Pretoria, 30 mi [= 48 km] SW: ROM: 1 [1] - Uitkomst, Farm 499: ROM: 2 [2 - **3** - **3**].
27 July 1967: South Africa: Uitkomst, Farm 499: ROM: 3 [3 - **3** - **3**].
30 August 1972: Burkina Faso: Nobere, 1 km S: ROM: 1 [1] - Nobéré, 1 km S: ROM: 1 [1 - **2** - **2**].

1 September 1972: Burkina Faso: Nobéré, 1 km S: ROM: 1 [1 - **1** - **1**].
2 September 1972: Burkina Faso: Nobéré, 1 km S: ROM: 1 [1 - **1** - **1**].
4 September 1972: Burkina Faso: Nobéré, 1 km S: ROM: 1 [1 - **1** - **1**].
12 September 1972: Burkina Faso: Nobéré, 1 km S: ROM: 1 [1 - **1** - **1**].
13 September 1972: Burkina Faso: Nobere, 1 km S: ROM: 1 [1 - **1** - **1**].
14 September 1972: Burkina Faso: Nobéré, 1 km S: ROM: 1 [1 - **1** - **1**].
30 January 1973: Burkina Faso: Arly National Park: ROM: 1 [1 - **1** - **1**].
3 February 1973: Burkina Faso: Arly National Park: ROM: 1 [1 - **1** - **1**].
8 November 1973: Burkina Faso: Nobéré, 1 km S: ROM: 1 [1 - **1** - **1**].
17 November 1973: Burkina Faso: Nobere, 1.5 km S: ROM: 1 [1 - **1** - **1**].
18 November 1973: Burkina Faso: Nobéré, 1 km S: ROM: 1 [1] - Nobere, 1.5 km S: ROM: 2 [2 - **3** - **3**].
19 November 1973: Burkina Faso: Nobéré, 1 km S: ROM: 1 [1 - **1** - **1**].
24 November 1973: Burkina Faso: Nobéré, 1 km S: ROM: 1 [1 - **1** - **1**].
4 April 1974: Burkina Faso: Nobéré, 1 km S: ROM: 1 [1] - Nobere, 1.5 km S: ROM: 1 [1 - **2** - **2**].
6 October 1974: Burkina Faso: Piyiri, 7 km N: ROM: 3 [3 - **3** - **3**].
12 October 1974: Burkina Faso: Nobéré, 2 km S: ROM: 1 [1 - **1** - **1**].
30 October 1974: Burkina Faso: Nobéré, 2 km S: ROM: 1 [1 - **1** - **1**].
19 November 1974: Burkina Faso: Nobere, 12 km S: ROM: 3 [3 - **3** - **3**].
20 November 1974: Burkina Faso: Nobere, 12 km S: ROM: 4 [4 - **4** - **4**].
1 January 1975: Kenya: Kakamega Forest: ROM: 3 [3 - **3** - **3**].
16 January 1975: Burkina Faso: Nobere, 11 km S: ROM: 1 [1 - **1** - **1**].
20 January 1975: Burkina Faso: Park National de Pô: ROM: 2 [2 - **2** - **2**].
21 January 1975: Burkina Faso: Park National de Pô: ROM: 4 [4 - **4** - **4**].
22 January 1975: Burkina Faso: Nobéré, 2 km S: ROM: 1 [1 - **1** - **1**].
25 January 1975: Burkina Faso: Nobéré, 2 km S: ROM: 1 [1 - **1** - **1**].
23 September 1975: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].
25 September 1975: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].
5 October 1975: Kenya: Menengai Crater, Mengengai cave: ROM: 1 [1] - Njoro: ROM: 1 [1 - **2** - **2**].
7 October 1975: Kenya: Nakuru, 5 km WSW: ROM: 1 [1 - **1** - **1**].
10 October 1975: Kenya: Ruiru: ROM: 6 [6 - **6** - **6**].
12 October 1975: Kenya: Kiboko cave: ROM: 2 [2] - Makindu cave: ROM: 9 [9 - **11** - **11**].
13 October 1975: Kenya: Tiwi: ROM: 3 [3 - **3** - **3**].
14 October 1975: Kenya: Tiwi: ROM: 16 [16 - **16** - **16**].
15 October 1975: Kenya: Gazi: ROM: 3 [3] - Similani cave: ROM: 10 [10 - **13** - **13**].
16 October 1975: Kenya: Tiwi: ROM: 14 [14 - **14** - **14**].
20 November 1975: Kenya: Kakamega Forest, 12.8 km SE: ROM: 1 [1 - **1** - **1**].
21 November 1975: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
23 November 1975: Kenya: Kakamega Forest: ROM: 2 [2 - **2** - **2**].

Total Specimens for Mumford, Russell E.: 926

Mumford, Russell E.; *et al.*

4 March 1967: South Africa: John Nash Nature Reserve: ROM: 2 [2 - **2** - **2**].
16 October 1975: Kenya: Tiwi Beach: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Mumford, Russell E.; *et al.*: 3

Mumford, Russell E.; Copley, R.B.

3 June 1967: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: ROM: 31 [31 - **31** - **31**].

Total Specimens for Mumford, Russell E.; Copley, R.B.: 31

Mundt

Collection Date Unknown: South Africa: Cape of Good Hope: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Mundt: 1

Mundt; Maire

Collection Date Unknown: South Africa: Cape of Good Hope: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Mundt; Maire: 1

Muray, R.

Collection Date Unknown: Tanzania: Usa River: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Muray, R.: 1

Murdoch, W.P.

9 August 1969: Ghana: Adamso: USNM: 3 [3 - **3** - **3**].

17 August 1969: Ghana: Damongo: USNM: 5 [5 - **5** - **5**].

Total Specimens for Murdoch, W.P.: 8

Musaba Akawa, Prescott

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 5 [5] - Djabir: RMCA: 7 [7] - Kona: RMCA: 1 [1] - Yoko: RMCA: 6 [6 - **19** - **19**].
8 May 2011: Congo (Democratic Republic of the): Djabir: RMCA: 8 [8 - **8** - **8**].
9 May 2011: Congo (Democratic Republic of the): Djabir: RMCA: 17 [17 - **17** - **17**].
10 May 2011: Congo (Democratic Republic of the): Djabir: RMCA: 15 [15 - **15** - **15**].
12 May 2011: Congo (Democratic Republic of the): Djabir: RMCA: 13 [13 - **13** - **13**].
15 January 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 4 [4 - **4** - **4**].
19 February 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 1 [1 - **1** - **1**].
20 February 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 2 [2 - **2** - **2**].
24 February 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 3 [3 - **3** - **3**].
25 February 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 6 [6 - **6** - **6**].
31 March 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 1 [1 - **1** - **1**].
13 April 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 1 [1 - **1** - **1**].
14 April 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 1 [1 - **1** - **1**].
31 May 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 2 [2 - **2** - **2**].
26 July 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 1 [1 - **1** - **1**].
16 August 2012: Congo (Democratic Republic of the): Uma: RMCA: 6 [6 - **6** - **6**].
17 August 2012: Congo (Democratic Republic of the): Uma: RMCA: 1 [1 - **1** - **1**].
18 August 2012: Congo (Democratic Republic of the): Uma: RMCA: 2 [2 - **2** - **2**].
23 August 2012: Congo (Democratic Republic of the): Unknown locality: RMCA: 2 [2 - **2** - **2**].
4 September 2012: Congo (Democratic Republic of the): Yoko: RMCA: 6 [6 - **6** - **6**].
5 September 2012: Congo (Democratic Republic of the): Yoko: RMCA: 2 [2 - **2** - **2**].
7 September 2012: Congo (Democratic Republic of the): Yoko: RMCA: 3 [3 - **3** - **3**].
5 April 2014: Congo (Democratic Republic of the): Yoko: UNIKIS: 1 [1 - **1** - **1**].
19 April 2014: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
20 April 2014: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 2 [2 - **2** - **2**].
21 April 2014: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
9 June 2014: Congo (Democratic Republic of the): Kisangani: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for Musaba Akawa, Prescott: 122

Musaba Akawa, Prescott; *et al.*

19 February 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 1 [1 - **1** - **1**].
25 February 2012: Congo (Democratic Republic of the): île Mbiye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Musaba Akawa, Prescott; *et al.*: 2

Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale

6 May 2015: Congo (Democratic Republic of the): Luvungi: UNIKIS: 21 [21 - **21** - **21**].
7 May 2015: Congo (Democratic Republic of the): Luvungi: UNIKIS: 24 [24 - **24** - **24**].
13 May 2015: Congo (Democratic Republic of the): Sange: UNIKIS: 8 [8 - **8** - **8**].
14 May 2015: Congo (Democratic Republic of the): Sange: UNIKIS: 9 [9 - **9** - **9**].
15 May 2015: Congo (Democratic Republic of the): Sange: UNIKIS: 11 [11 - **11** - **11**].
17 May 2015: Congo (Democratic Republic of the): Luvungi: UNIKIS: 1 [1 - **1** - **1**].
10 June 2015: Congo (Democratic Republic of the): Masako: UNIKIS: 3 [3 - **3** - **3**].
11 June 2015: Congo (Democratic Republic of the): Masako: UNIKIS: 1 [1 - **1** - **1**].
12 June 2015: Congo (Democratic Republic of the): Masako: UNIKIS: 2 [2 - **2** - **2**].
13 June 2015: Congo (Democratic Republic of the): Masako: UNIKIS: 9 [9 - **9** - **9**].
27 June 2015: Congo (Democratic Republic of the): Kikwit: UNIKIS: 11 [11 - **11** - **11**].
28 June 2015: Congo (Democratic Republic of the): Kikwit: UNIKIS: 2 [2 - **2** - **2**].
29 June 2015: Congo (Democratic Republic of the): Kikwit: UNIKIS: 8 [8 - **8** - **8**].
7 August 2015: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
8 August 2015: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 6 [6 - **6** - **6**].
9 August 2015: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 3 [3 - **3** - **3**].
10 August 2015: Congo (Democratic Republic of the): Université de Kisangani, Faculté des Sciences: UNIKIS: 1 [1 - **1** - **1**].
11 August 2015: Congo (Democratic Republic of the): Université de Kisangani, Faculté des Sciences: UNIKIS: 4 [4 - **4** - **4**].
24 December 2015: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1] - Zookis: UNIKIS: 12 [12 - **13** - **13**].
25 December 2015: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 4 [4 - **4** - **4**].
26 December 2015: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
28 December 2015: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 2 [2 - **2** - **2**].
8 January 2016: Congo (Democratic Republic of the): Île Mafi: UNIKIS: 1 [1] - île Mbiye: UNIKIS: 3 [3 - **4** - **4**].

Total Specimens for Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: 149

Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph

Collection Date Unknown: Congo (Democratic Republic of the): Kikwit: UNIKIS: 1 [1 - **1** - **1**].
19 February 2012: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
24 February 2012: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
25 February 2012: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 2 [2 - **2** - **2**].
19 April 2014: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 2 [2 - **2** - **2**].
21 April 2014: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 2 [2 - **2** - **2**].
22 June 2014: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
23 June 2014: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 4 [4 - **4** - **4**].

Total Specimens for Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: 14

Musaba Akawa, Prescott; Kosele, Jonathan

8 May 2011: Congo (Democratic Republic of the): Djabir: UNIKIS: 27 [27 - **27** - **27**].
9 May 2011: Congo (Democratic Republic of the): Djabir: UNIKIS: 26 [26 - **26** - **26**].
10 May 2011: Congo (Democratic Republic of the): Djabir: UNIKIS: 16 [16 - **16** - **16**].
11 May 2011: Congo (Democratic Republic of the): Djabir: UNIKIS: 1 [1 - **1** - **1**].
12 May 2011: Congo (Democratic Republic of the): Djabir: UNIKIS: 10 [10 - **10** - **10**].
13 May 2011: Congo (Democratic Republic of the): Djabir: UNIKIS: 17 [17 - **17** - **17**].

Total Specimens for Musaba Akawa, Prescott; Kosele, Jonathan: 97

Musaba Akawa, Prescott; Malekani, André

4 February 2013: Congo (Democratic Republic of the): Obenge: UNIKIS: 1 [1 - **1** - **1**].
5 February 2013: Congo (Democratic Republic of the): Obenge: UNIKIS: 13 [13 - **13** - **13**].
6 February 2013: Congo (Democratic Republic of the): Obenge: UNIKIS: 7 [7 - **7** - **7**].
7 February 2013: Congo (Democratic Republic of the): Obenge: UNIKIS: 21 [21 - **21** - **21**].
8 February 2013: Congo (Democratic Republic of the): Obenge: UNIKIS: 7 [7 - **7** - **7**].
16 February 2013: Congo (Democratic Republic of the): Zookis: UNIKIS: 6 [6 - **6** - **6**].
10 April 2014: Congo (Democratic Republic of the): Uma: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for Musaba Akawa, Prescott; Malekani, André: 56

Musaba Akawa, Prescott; Tembele,; Boketshu, Marc

15 January 2012: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
16 January 2012: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 2 [2 - **2** - **2**].
18 February 2012: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
19 February 2012: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
20 February 2012: Congo (Democratic Republic of the): Île Mafi: UNIKIS: 1 [1 - **1** - **1**].
24 February 2012: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 1 [1 - **1** - **1**].
25 February 2012: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 2 [2 - **2** - **2**].
29 March 2012: Congo (Democratic Republic of the): Île Mafi: UNIKIS: 3 [3 - **3** - **3**].
30 March 2012: Congo (Democratic Republic of the): île Mbiye: UNIKIS: 3 [3 - **3** - **3**].
31 March 2012: Congo (Democratic Republic of the): Île Mafi: UNIKIS: 1 [1] - île Mbiye: UNIKIS: 11 [11 - **12** - **12**].
15 April 2012: Congo (Democratic Republic of the): Île Mafi: UNIKIS: 1 [1] - île Mbiye: UNIKIS: 1 [1 - **2** - **2**].
4 September 2012: Congo (Democratic Republic of the): Yoko: UNIKIS: 7 [7 - **7** - **7**].
5 September 2012: Congo (Democratic Republic of the): Yoko: UNIKIS: 9 [9 - **9** - **9**].
6 September 2012: Congo (Democratic Republic of the): Yoko: UNIKIS: 1 [1 - **1** - **1**].
7 September 2012: Congo (Democratic Republic of the): Kisangani: UNIKIS: 1 [1] - Yoko: UNIKIS: 3 [3 - **4** - **4**].

Total Specimens for Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: 50

Museum Expedition, The

8 March 1939: South Africa: Farm Secheili's Oude Stad 6: TM: 1 [1 - **1** - **1**].

Total Specimens for Museum Expedition, The: 1

Muséum Nationale d'Histoire Naturelle

Collection Date Unknown: Madagascar: Unknown locality: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Muséum Nationale d'Histoire Naturelle: 1

Musin, Abdel; Hamid

Collection Date Unknown: Sudan: Khartoum, University Campus: SMF: 1 [1 - **1** - **1**].

Total Specimens for Musin, Abdel; Hamid: 1

Mutashia, M.

17 May 1980: Congo (Democratic Republic of the): Kikole-Pecheur: SMF: 16 [16 - **16** - **16**].

Total Specimens for Mutashia, M.: 16

Mutashiya, Tsh

Collection Date Unknown: Congo (Democratic Republic of the): Kimpoko: MNHN: 4 [4 - **4** - **4**].
22 June 1979: Congo (Democratic Republic of the): Kimpoko: NMW: 1 [1 - **1** - **1**].

Total Specimens for Mutashiya, Tsh: 5

Mutere, Festo Abby
(1929: Musanda -)

17 December 1961: Uganda: Bukalasa: SMF: 1 [1 - **1** - **1**].
17 February 1964: Uganda: Entebbe: BMNH: 1 [1 - **1** - **1**].
18 November 1966: Uganda: Jubiya Forest: SMF: 1 [1 - **1** - **1**].

Total Specimens for Mutere, Festo Abby: 3

Mutuku Mutinga, John
(?: Machakos -)

13 December 1970: Kenya: Naibei's Great Cave: SMF: 1 [1 - **1** - **1**].
16 December 1970: Kenya: Naibei's Great Cave: SMF: 1 [1 - **1** - **1**].
17 May 1971: Kenya: Naibei's Great Cave: SMF: 1 [1 - **1** - **1**].

Total Specimens for Mutuku Mutinga, John: 3

Myers, John Golding
(22 October 1897: near Rugby - 1942)

18 November 1940: South Sudan: Kagelu: AMNH: 1 [1 - **1** - **1**].
7 December 1940: South Sudan: Mount Otogo, summit: AMNH: 1 [1 - **1** - **1**].
10 December 1940: South Sudan: Kagelu: AMNH: 1 [1 - **1** - **1**].
12 December 1940: South Sudan: Kagelu: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Myers, John Golding: 4

Nagel; Schubert; Vesmanis, Indulis Evalds

15 May 1960: Tunisia: El Haouaria cave: SMF: 17 [17 - **17** - **17**].
12 March 1963: Tunisia: El Haouaria cave: SMF: 5 [5 - **5** - **5**].
18 February 1971: Tunisia: Nefzaoua: SMF: 3 [3 - **3** - **3**].
25 March 1971: Tunisia: El Haouaria cave: SMF: 15 [15 - **15** - **15**].
29 August 1972: Tunisia: El Haouaria cave: SMF: 8 [8 - **8** - **8**].

Total Specimens for Nagel; Schubert; Vesmanis, Indulis Evalds: 48

Nagtglas, C.J.M.

Collection Date Unknown: Ghana: Unknown locality: RMNH: 2 [2 - **2** - **2**].
1 January 1860: Ghana: Côte d'Or: RMNH: 2 [2 - **2** - **2**].
1 January 1863: Ghana: Gold Coast [=Goldküste]: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Nagtglas, C.J.M.: 5

Namete, P.

15 November 1926: South Africa: Ladyselborne: TM: 3 [3 - **3** - **3**].

Total Specimens for Namete, P.: 3

Nanni, R.

10 December 1987: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Nanni, R.: 1

Nash, T.A.

Collection Date Unknown: Nigeria: Zaria: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Nash, T.A.: 1

National Museum Bulawayo, the

27 March 1951: Zimbabwe: Gourlays Block: BMNH: 1 [1 - **1** - **1**].

Total Specimens for National Museum Bulawayo, the: 1

National Museums of Kenya, The

15 February 1990: Kenya: Galana Game Scheme [= Galana Ranch]: UWBM: 4 [4 - **4** - **4**].
17 February 1990: Kenya: Galana Game Scheme [= Galana Ranch]: UWBM: 4 [4 - **4** - **4**].

Total Specimens for National Museums of Kenya, The: 8

NATURE ???

5 May 1940: Congo (Democratic Republic of the): Unknown locality: TM: 1 [1 - **1** - **1**].

Total Specimens for NATURE ???: 1

Naude, J.J.C.

15 March 1971: South Africa: Bronkhorstspruit: TM: 1 [1 - **1** - **1**].

Total Specimens for Naude, J.J.C.: 1

Naude, P.

1 October 1918: South africa: Lydenburg: TM: 1 [1 - **1** - **1**].

Total Specimens for Naude, P.: 1

Naumann; Eichert

14 July 1931: Tanzania: Lipumba: SMTD: 1 [1 - **1** - **1**].

Total Specimens for Naumann; Eichert: 1

Neave, S.A.

Collection Date Unknown: Congo (Democratic Republic of the): Dikul River: BMNH: 2 [2] - Lufira River, upper: BMNH: 3 [3 - **5** - **5**].
16 May 1904: Zimbabwe: Kapovka, mount: BMNH: 1 [1 - **1** - **1**].
6 February 1907: Congo (Democratic Republic of the): Kambove: BMNH: 1 [1 - **1** - **1**].
2 March 1908: Zambia: Loangwa valley: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Neave, S.A.: 8

Nederlandse Biologische Exc.

30 November 1938: Guinea-Bissau: Unknown locality: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Nederlandse Biologische Exc.: 1

Nehring, Alfred
(1904)

Collection Date Unknown: Algeria: Algiers: ZMB: 2 [2 - **2**].
Egypt: Unknown locality: ZMB: 1 [1 - **1** - **3**].

Total Specimens for Nehring, Alfred: 3

Nel, D.J.

27 September 1960: South Africa: Farm Geluk: TM: 1 [1 - **1** - **1**].

Total Specimens for Nel, D.J.: 1

Nel, Flip

15 October 1974: South Africa: Loskop Dam Nature Reserve: TM: 1 [1] - Loskopdam Nature Reserve: TM: 3 [3 - **4** - **4**].
27 January 1982: South Africa: Levuvhu Hippopool: TM: 1 [1 - **1** - **1**].

Total Specimens for Nel, Flip: 5

Nelson, H.

21 March 1938: Egypt: Luxor: FMNH: 2 [2 - **2** - **2**].
25 March 1938: Egypt: Luxor: FMNH: 6 [6 - **6** - **6**].
26 March 1938: Egypt: Luxor: FMNH: 13 [13 - **13** - **13**].
27 September 1938: Egypt: Luxor, near: FMNH: 7 [7 - **7** - **7**].
3 October 1938: Egypt: Luxor, near: FMNH: 13 [13 - **13** - **13**].
1 November 1938: Egypt: Luxor, near: WAM: 2 [2 - **2** - **2**].
22 November 1938: Egypt: Luxor, near: FMNH: 4 [4 - **4** - **4**].
2 December 1938: Egypt: Luxor, near: FMNH: 2 [2 - **2** - **2**].
9 December 1938: Egypt: Luxor, near: FMNH: 6 [6 - **6** - **6**].
10 December 1938: Egypt: Luxor, near: FMNH: 1 [1 - **1** - **1**].
14 December 1938: Egypt: Luxor, near: FMNH: 4 [4 - **4** - **4**].
27 December 1938: Egypt: Luxor, near: FMNH: 1 [1 - **1** - **1**].
30 December 1938: Egypt: Luxor, near: FMNH: 1 [1 - **1** - **1**].
27 January 1939: Egypt: Luxor, near: FMNH: 5 [5 - **5** - **5**].
4 March 1939: Egypt: Luxor, near: FMNH: 1 [1 - **1** - **1**].
17 April 1939: Egypt: Luxor, near: FMNH: 19 [19 - **19** - **19**].

Total Specimens for Nelson, H.: 87

Nelson, Kimberlyn (Kim)

3 October 1985: Kenya: Ndabibi cave: MCZ: 5 [5 - **5** - **5**].
5 October 1985: Kenya: Lion Hill cave: MCZ: 6 [6] - Nakuru Prison cave: MCZ: 1 [1 - **7** - **7**].
7 October 1985: Kenya: Nakuru, 12 km S, 4 km E: CM: 2, MCZ: 2 [4 - **4** - **4**].
8 October 1985: Kenya: Njoro River: CM: 1, MCZ: 3 [4 - **4** - **4**].
12 October 1985: Kenya: Mwele Forest: MCZ: 2 [2 - **2** - **2**].
13 October 1985: Kenya: Makandara picnic site: MCZ: 8 [8 - **8** - **8**].
15 October 1985: Kenya: Makandara picnic site: AMNH: 1, MCZ: 1 [2] - Shimba Hills Nature Reserve: MCZ: 3 [3 - **5** - **5**].
16 October 1985: Kenya: Makandara picnic site: MCZ: 2 [2] - Shimba Hills Nature Reserve: MCZ: 1 [1 - **3** - **3**].
17 October 1985: Kenya: Ukunda, 1 km S, 0.5 km E: MCZ: 3 [3] - Ukunda, 3 km E: MCZ: 8 [8 - **11** - **11**].
18 October 1985: Kenya: Moana Marine Station: MCZ: 15 [15 - **15** - **15**].
19 October 1985: Kenya: Tiwi, 1 km N: MCZ: 10 [10 - **10** - **10**].

Total Specimens for Nelson, Kimberlyn (Kim): 74

Neser, N.

20 January 1990: Zimbabwe: Sentinal Ranch: TM: 1 [1 - **1** - **1**].

Total Specimens for Neser, N.: 1

Neser, Walter

Collection Date Unknown: South Africa: Grootkloof: TM: 1 [1 - **1** - **1**].
12 July 1989: South Africa: Farm Tangala 87: TM: 1 [1 - **1** - **1**].
9 October 1989: South Africa: Farm Zanrivier: TM: 1 [1 - **1** - **1**].
5 December 1989: South Africa: Luipershoek: TM: 1 [1 - **1** - **1**].
20 January 1990: Zimbabwe: Sentinal Ranch: TM: 5 [5] - Sentinel Ranch: TM: 1 [1 - **6** - **6**].
10 February 1990: Zimbabwe: Sentinal Ranch: TM: 1 [1 - **1** - **1**].

Total Specimens for Neser, Walter: 11

Nesi, Nicolas; Kadjo, Blaise; Denys, Christiane

1 May 2010: Congo (Democratic Republic of the): Unknown locality: MNHN: 5 [5 - **5** - **5**].

Total Specimens for Nesi, Nicolas; Kadjo, Blaise; Denys, Christiane: 5

Neugebauer, P.

Collection Date Unknown: Ghana: Bunso: NMW: 1 [1 - **1** - **1**].
5 May 1973: Ghana: Bunso: NMW: 1 [1 - **1** - **1**].
10 May 1973: Ghana: Tamale: NMW: 20, ZMA: 10 [30 - **30** - **30**].

Total Specimens for Neugebauer, P.: 32

Neumann

Collection Date Unknown: "Africa": Unknown locality: ZMB: 4 [4] - Eastern Africa: ZMB: 1 [1] - Galpa river: ZMB: 1 [1] - Kwa Kitoto and Mengo: ZMB: 1 [1 - **7**].
Ethiopia: Galana river: ZMB: 2 [2] - Gofa: ZMB: 1 [1 - **3**].
Kenya: Kavirondo [Gulf]: ZMB: 1 [1] - Nguruman Escarpment: ZMB: 2 [2 - **3**].
Tanzania: Mojoni [=Muyuni]: ZMB: 11 [11] - Moshi: ZMB: 1 [1] - Muansa [=Mwanza]: ZMB: 1 [1] - Ngoroine [=Nguruimi]: ZMB: 2 [2] - Tanga: ZMB: 5 [5] - Tanga, hole/cave near: ZMB: 5 [5] - Usandawe [=Sandawe]: ZMB: 2 [2] - Zanzibar: ZMB: 3 [3 - **30** - **43**].
1 February 1901: Ethiopia: Djala: ZMB: 1 [1 - **1** - **1**].
1 April 1901: Ethiopia: Djiren [=Jiren]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Neumann: 45

Neumann, Oscar Rudolph
(1867 - 17 May 1946)

Collection Date Unknown: Tanzania: Moshi: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Neumann, Oscar Rudolph: 1

Neumann; Uhlenhut

Collection Date Unknown: Ethiopia: Dire Dawa: ZMB: 4 [4 - **4** - **4**].

Total Specimens for Neumann; Uhlenhut: 4

Neuve

Collection Date Unknown: Congo (Democratic Republic of the): Dikulwe river: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Neuve: 1

Newberry

12 March 1965: South Africa: King Williamstown: KM: 1 [1 - **1** - **1**].

Total Specimens for Newberry: 1

Newbery, C.

21 March 1993: South Africa: S A Lombaard Nature reserve: TM: 1 [1 - **1** - **1**].
11 March 1996: South Africa: Molopo Nature Reserve: TM: 1 [1 - **1** - **1**].
28 April 1996: South Africa: Rustenburg Nature Reserve: TM: 1 [1 - **1** - **1**].
24 September 1996: South Africa: Molopo Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Newbery, C.: 4

Newbury, R.

21 July 1981: South Africa: Farm River 141 MS: TM: 1 [1 - **1** - **1**].
23 November 1981: South Africa: Farm Rhenosterspruit 59JQ: TM: 2 [2 - **2** - **2**].
20 May 1982: South Africa: Farm Zusterstroom 447JR: TM: 1 [1 - **1** - **1**].

Total Specimens for Newbury, R.: 4

Newman, D.H.

5 July 1962: Zambia: Lusingazi Game Camp: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Newman, D.H.: 1

Newmark, William D.

1 September 1993: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Newmark, William D.: 1

Newton, E.

Collection Date Unknown: Mauritius: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Newton, E.: 1

Newton, F.; Pires

1 January 1868: São Tomé and Principé: São Tomé Island: MLZA: 1 [1 - **1** - **1**].

Total Specimens for Newton, F.; Pires: 1

Ngam, V.N.

Collection Date Unknown: Cameroon: Barombi-Mbo Lake shore, Kumba: ROM: 2 [2] - Big farm, Mungo River, east bank: ROM: 3 [3] - Boteke Village: ROM: 29 [29] - Bova Village: ROM: 3 [3] - Buéa: ROM: 37 [37] - Buea Station area, small Sopo: ROM: 16 [16] - Buea station, 2 km S: ROM: 7 [7] - Ekona: ROM: 4 [4] - Great Soppo: ROM: 2 [2] - in forest across Mungo River: ROM: 1 [1] - Kumba region: ROM: 20 [20] - Malende swamp area: ROM: 9 [9] - Mawutu Village: ROM: 6 [6] - Meanja: ROM: 1 [1] - Mengeme Village: ROM: 1 [1] - Moliko: ROM: 1 [1] - Moliko, CDC Banana plantation: ROM: 2 [2] - Mountain Hut 1: ROM: 1 [1] - Mpundu: ROM: 1 [1] - Muyuka [= Muea]: ROM: 7 [7] - small Soppo: ROM: 9 [9] - small Soppo forest: ROM: 1 [1] - village dump: ROM: 1 [1 - **164** - **164**].
30 May 1967: Cameroon: Basal Mission: ROM: 1 [1 - **1** - **1**].
16 April 1969: Cameroon: Kumba region: ROM: 1 [1 - **1** - **1**].
25 April 1969: Cameroon: Kumba region: ROM: 2 [2 - **2** - **2**].
6 May 1969: Cameroon: Kloa: ROM: 1 [1 - **1** - **1**].
7 May 1969: Cameroon: Kumba region: ROM: 1 [1 - **1** - **1**].
8 May 1969: Cameroon: Kumba region: ROM: 9 [9 - **9** - **9**].
9 May 1969: Cameroon: Basal Mission: ROM: 9 [9 - **9** - **9**].
10 May 1969: Cameroon: Basal Mission: ROM: 7 [7 - **7** - **7**].
12 May 1969: Cameroon: Basal Mission: ROM: 5 [5 - **5** - **5**].
13 May 1969: Cameroon: Basal Mission: ROM: 5 [5 - **5** - **5**].
14 May 1969: Cameroon: Basal Mission: ROM: 1 [1] - Kumba: ROM: 2 [2] - Kumba region: ROM: 4 [4 - **7** - **7**].
15 May 1969: Cameroon: Kumba region: ROM: 7 [7 - **7** - **7**].
16 May 1969: Cameroon: Kumba region: ROM: 5 [5 - **5** - **5**].
17 May 1969: Cameroon: Kumba region: ROM: 6 [6 - **6** - **6**].
18 May 1969: Cameroon: Kumba: ROM: 1 [1] - Kumba region: ROM: 8 [8 - **9** - **9**].
22 May 1969: Cameroon: Basal Mission: ROM: 4 [4] - Kumba region: ROM: 8 [8 - **12** - **12**].
27 May 1969: Cameroon: Basal Mission: ROM: 5 [5 - **5** - **5**].
30 May 1969: Cameroon: Kumba region: ROM: 2 [2 - **2** - **2**].
1 June 1969: Cameroon: Basal Mission: ROM: 2 [2 - **2** - **2**].
2 June 1969: Cameroon: Kumba region: ROM: 4 [4 - **4** - **4**].
5 June 1969: Cameroon: Kumba region: ROM: 1 [1 - **1** - **1**].
6 June 1969: Cameroon: Kumba region: ROM: 8 [8 - **8** - **8**].
7 June 1969: Cameroon: Kumba region: ROM: 5 [5 - **5** - **5**].
8 June 1969: Cameroon: Kumba region: ROM: 5 [5 - **5** - **5**].
10 June 1969: Cameroon: Kumba region: ROM: 2 [2 - **2** - **2**].
15 June 1969: Cameroon: Barombi-Mbo, lake: ROM: 1 [1] - Kumba: ROM: 9 [9 - **10** - **10**].
19 June 1969: Cameroon: Kumba: ROM: 1 [1 - **1** - **1**].
21 June 1969: Cameroon: Kumba: ROM: 4 [4 - **4** - **4**].
24 June 1969: Cameroon: Basal Mission: ROM: 1 [1] - Kumba: ROM: 5 [5 - **6** - **6**].
25 June 1969: Cameroon: Kumba: ROM: 4 [4 - **4** - **4**].
21 August 1969: Cameroon: Great Soppo: ROM: 3 [3] - Great Soppo Forest: ROM: 2 [2 - **5** - **5**].
23 August 1969: Cameroon: Great Soppo: ROM: 8 [8] - Great Soppo Forest: ROM: 1 [1 - **9** - **9**].
17 September 1969: Cameroon: Great Soppo: ROM: 6 [6] - Great Soppo Forest: ROM: 3 [3 - **9** - **9**].
26 September 1969: Cameroon: Great Soppo: ROM: 2 [2 - **2** - **2**].
2 October 1969: Cameroon: Great Soppo: ROM: 5 [5] - Great Soppo Forest: ROM: 1 [1 - **6** - **6**].
8 October 1969: Cameroon: Moliko: ROM: 2 [2] - Moliko, CDC Banana plantation: ROM: 1 [1 - **3** - **3**].
11 October 1969: Cameroon: Moliko: ROM: 2 [2] - Moliko, CDC Banana plantation: ROM: 13 [13 - **15** - **15**].
1 January 1970: Cameroon: Unknown locality: ROM: 1 [1] - Buéa Station area: ROM: 1 [1 - **2** - **2**].
5 January 1970: Cameroon: Mount Cameroon: ROM: 1 [1 - **1** - **1**].
15 March 1970: Cameroon: Buéa: ROM: 1 [1 - **1** - **1**].
22 March 1970: Cameroon: Great Soppo Forest: ROM: 3 [3 - **3** - **3**].
25 March 1970: Cameroon: Great Soppo Forest: ROM: 3 [3 - **3** - **3**].
27 March 1970: Cameroon: Great Soppo Forest: ROM: 10 [10 - **10** - **10**].
28 March 1970: Cameroon: Great Soppo Forest: ROM: 8 [8 - **8** - **8**].
29 March 1970: Cameroon: Mpundu: ROM: 9 [9 - **9** - **9**].
30 April 1970: Cameroon: Buéa: ROM: 4 [4] - Cameroon Mountain Cave: ROM: 1 [1 - **5** - **5**].
8 May 1970: Cameroon: Buéa: ROM: 1 [1] - Buea Town Forest: ROM: 2 [2 - **3** - **3**].
13 May 1970: Cameroon: Great Soppo Forest: ROM: 11 [11 - **11** - **11**].
15 May 1970: Cameroon: Tote Tea Forest: ROM: 5 [5 - **5** - **5**].
22 May 1970: Cameroon: Unknown locality: ROM: 1 [1] - Tote Tea Forest: ROM: 4 [4 - **5** - **5**].
24 May 1970: Cameroon: small Soppo: ROM: 1 [1 - **1** - **1**].
25 May 1970: Cameroon: Buéa: ROM: 5 [5 - **5** - **5**].
26 May 1970: Cameroon: Buéa: ROM: 2 [2 - **2** - **2**].
27 May 1970: Cameroon: Buéa: ROM: 2 [2 - **2** - **2**].
28 May 1970: Cameroon: Buéa: ROM: 1 [1 - **1** - **1**].
1 June 1970: Cameroon: Buéa: ROM: 3 [3 - **3** - **3**].
3 June 1970: Cameroon: CDC Banana Research Station: ROM: 1 [1 - **1** - **1**].
6 June 1970: Cameroon: Buéa: ROM: 4 [4 - **4** - **4**].
7 June 1970: Cameroon: Buéa: ROM: 4 [4 - **4** - **4**].
9 June 1970: Cameroon: Buéa: ROM: 3 [3] - small Soppo: ROM: 2 [2 - **5** - **5**].

26 June 1970: Cameroon: Muyuka [= Muea]: ROM: 2 [2 - **2** - **2**].
27 June 1970: Cameroon: Muyuka [= Muea]: ROM: 6 [6 - **6** - **6**].
28 June 1970: Cameroon: Muyuka [= Muea]: ROM: 2 [2 - **2** - **2**].
29 June 1970: Cameroon: Muyuna Town: ROM: 1 [1 - **1** - **1**].
1 July 1970: Cameroon: CDC Banana Research Station: ROM: 4 [4 - **4** - **4**].
2 July 1970: Cameroon: CDC Banana Research Station: ROM: 12 [12 - **12** - **12**].
3 July 1970: Cameroon: CDC Banana Research Station: ROM: 7 [7 - **7** - **7**].
4 July 1970: Cameroon: CDC Banana Research Station: ROM: 21 [21 - **21** - **21**].
5 July 1970: Cameroon: CDC Banana Research Station: ROM: 20 [20 - **20** - **20**].
6 July 1970: Cameroon: Muyuka [= Muea]: ROM: 2 [2 - **2** - **2**].
7 July 1970: Cameroon: Chop farm: ROM: 2 [2] - Ekona: ROM: 1 [1 - **3** - **3**].
13 July 1970: Cameroon: Unknown locality: ROM: 1 [1 - **1** - **1**].
25 July 1970: Cameroon: Mpundu: ROM: 1 [1 - **1** - **1**].
7 December 1970: Cameroon: Big farm, Mungo River, east bank: ROM: 10 [10 - **10** - **10**].
8 December 1970: Cameroon: Big farm, Mungo River, east bank: ROM: 5 [5] - Mangamba: ROM: 1 [1 - **6** - **6**].
10 December 1970: Cameroon: Malende Swamp area: ROM: 4 [4 - **4** - **4**].
12 December 1970: Cameroon: Big farm, Mungo River, east bank: ROM: 1 [1 - **1** - **1**].
13 December 1970: Cameroon: Big farm, Mungo River, east bank: ROM: 6 [6] - Mangamba: ROM: 2 [2 - **8** - **8**].
14 December 1970: Cameroon: Big farm, Mungo River, east bank: ROM: 7 [7 - **7** - **7**].
17 December 1970: Cameroon: Big farm, Mungo River, east bank: ROM: 2 [2 - **2** - **2**].
19 December 1970: Cameroon: Big farm, Mungo River, east bank: ROM: 2 [2 - **2** - **2**].
20 December 1970: Cameroon: Big farm, Mungo River, east bank: ROM: 2 [2] - Mangamba: ROM: 1 [1 - **3** - **3**].
23 December 1970: Cameroon: Big farm, Mungo River, east bank: ROM: 1 [1 - **1** - **1**].
6 April 1971: Cameroon: Buéa West Farm: ROM: 1 [1 - **1** - **1**].
10 April 1971: Cameroon: Buea station, 2 km S: ROM: 18 [18 - **18** - **18**].
11 April 1971: Cameroon: Buea station, 2 km S: ROM: 6 [6] - small Soppo: ROM: 1 [1 - **7** - **7**].
12 April 1971: Cameroon: Buea station, 2 km S: ROM: 2 [2 - **2** - **2**].
4 May 1971: Cameroon: Buéa Station, 3 km SW: ROM: 19 [19 - **19** - **19**].
15 August 1971: Cameroon: Great Soppo: ROM: 1 [1 - **1** - **1**].
13 February 1972: Cameroon: Meanja: FMNH: 4 [4 - **4** - **4**].
8 December 1972: Cameroon: Big farm, Mungo River, east bank: ROM: 1 [1 - **1** - **1**].
3 February 1973: Cameroon: Great Soppo: FMNH: 4 [4 - **4** - **4**].
13 February 1973: Cameroon: Meanja: FMNH: 1 [1] - Mpundu: FMNH: 1 [1 - **2** - **2**].
4 March 1973: Cameroon: Mpundu: ROM: 2 [2 - **2** - **2**].
7 March 1973: Cameroon: Mpundu: ROM: 1 [1 - **1** - **1**].
8 April 1973: Cameroon: Great Soppo: FMNH: 3, ROM: 1 [4 - **4** - **4**].
11 April 1973: Cameroon: Great Soppo: ROM: 1 [1 - **1** - **1**].
14 April 1973: Cameroon: Great Soppo: ROM: 2 [2 - **2** - **2**].
17 April 1973: Cameroon: Great Soppo: ROM: 1 [1 - **1** - **1**].
23 April 1973: Cameroon: Buéa Station, 2 km W: ROM: 6 [6 - **6** - **6**].
24 April 1973: Cameroon: Buéa Station, 2 km W: ROM: 2 [2 - **2** - **2**].
30 April 1973: Cameroon: small Soppo: ROM: 7 [7 - **7** - **7**].
5 May 1973: Cameroon: small Soppo: ROM: 9 [9 - **9** - **9**].
9 May 1973: Cameroon: Bokwango: ROM: 2 [2 - **2** - **2**].
12 May 1973: Cameroon: Boteke Village: ROM: 9 [9 - **9** - **9**].
13 May 1973: Cameroon: Boteke Village: ROM: 1 [1 - **1** - **1**].
16 May 1973: Cameroon: Boteke Village: ROM: 3 [3 - **3** - **3**].
18 May 1973: Cameroon: Boteke Village: ROM: 3 [3 - **3** - **3**].
19 May 1973: Cameroon: Boteke Village: ROM: 1 [1 - **1** - **1**].
21 May 1973: Cameroon: Bunduma Village: ROM: 1 [1 - **1** - **1**].
27 May 1973: Cameroon: Meanja: ROM: 5 [5 - **5** - **5**].
9 June 1973: Cameroon: Mawutu Village: ROM: 38 [38 - **38** - **38**].

Total Specimens for Ngam, V.N.: 736

Ngam, V.N.; Glen, Robert M.

Collection Date Unknown: Cameroon: Lomié, 10 km SE: ROM: 26 [26] - Njombo River: ROM: 1 [1 - **27** - **27**].
18 June 1970: Cameroon: Lomié, 40 km N: ROM: 2 [2 - **2** - **2**].

Total Specimens for Ngam, V.N.; Glen, Robert M.: 29

Ngwe

Collection Date Unknown: Congo (Democratic Republic of the): Bolobo: RMCA: 5 [5] - Kunungu: RMCA: 53 [53] - Ndwa: RMCA: 2 [2 - **60** - **60**].
1 January 1922: Congo (Democratic Republic of the): Kunungu: RMCA: 25 [25 - **25** - **25**].
11 December 1927: Congo (Democratic Republic of the): Kunungu: RMCA: 1 [1 - **1** - **1**].
1 January 1938: Congo (Democratic Republic of the): Ndwa: RMCA: 1 [1 - **1** - **1**].
1 October 1949: Congo (Democratic Republic of the): Bokalakala: RMCA: 1 [1 - **1** - **1**].
1 October 1950: Congo (Democratic Republic of the): Ndwa: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Ngwe: 91

Nicoll, Michael John
(1880 - 1925)

Collection Date Unknown: Egypt: Gizeh: BMNH: 1 [1 - **1** - **1**].
1 January 1906: Mayotte: Mayotte: SMF: 1 [1 - **1** - **1**].
16 October 1908: Egypt: Gizeh: BMNH: 4 [4 - **4** - **4**].
17 November 1908: Egypt: Giza, near: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Nicoll, Michael John: 7

Nicolosi, G.

1 January 1908: Sudan: Port Sudan: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Nicolosi, G.: 1

Nield, M.

31 July 1963: Kenya: Kitale, 29 km SW: ROM: 1 [1 - **1** - **1**].
2 August 1963: Kenya: Hoey's bridge: USNM: 2 [2 - **2** - **2**].

Total Specimens for Nield, M.: 3

Nielsen

Collection Date Unknown: Nigeria: Ibadan: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Nielsen: 1

Niethammer, Günther
(1908 - 1974)

Collection Date Unknown: Namibia: Okahandja: ZFMK: 1 [1 - **1** - **1**].
9 September 1938: Namibia: Otjimbojo: ZFMK: 2 [2 - **2** - **2**].
16 February 1959: Namibia: De Valle: ZFMK: 5 [5 - **5** - **5**].

Total Specimens for Niethammer, Günther: 8

Nikolaus, Gerhard

Collection Date Unknown: Ethiopia: Gambela: ZFMK: 20 [20] - Gambela, 15 km E: SMNS: 2 [2 - **22**].
South Sudan: Boma Mountains, Western foothills: SMNS: 6 [6] - Gilo: SMNS: 17 [17] - Juba: SMNS: 1 [1] - Kajiko North: SMNS: 8 [8] - Katire: SMNS: 1 [1] - Nagishot: SMNS: 1 [1 - **34**].
Sudan: Unknown locality: SMNS: 1 [1 - **1** - **57**].
1 January 1972: Ethiopia: Gambela: SMF: 4 [4 - **4** - **4**].
24 February 1972: Ethiopia: Gambela: ZFMK: 1 [1 - **1** - **1**].
22 June 1972: Ethiopia: Gambela: ZFMK: 1 [1 - **1** - **1**].
24 June 1972: Ethiopia: Gambela: ZFMK: 1 [1 - **1** - **1**].
26 June 1972: Ethiopia: Gambela: ZFMK: 4 [4 - **4** - **4**].
30 June 1972: Ethiopia: Gambela: ZFMK: 2 [2 - **2** - **2**].
1 July 1972: Ethiopia: Gambela: ZFMK: 1 [1 - **1** - **1**].
4 July 1972: Ethiopia: Gambela: ZFMK: 1 [1 - **1** - **1**].
14 July 1972: Ethiopia: Gambela: ZFMK: 1 [1 - **1** - **1**].
24 July 1972: Ethiopia: Gambela: ZFMK: 1 [1 - **1** - **1**].
28 July 1972: Ethiopia: Gambela: ZFMK: 1 [1 - **1** - **1**].
2 August 1972: Ethiopia: Gambela: ZFMK: 2 [2 - **2** - **2**].
3 August 1972: Ethiopia: Gambela: ZFMK: 2 [2 - **2** - **2**].
8 August 1972: Ethiopia: Gambela: ZFMK: 1 [1 - **1** - **1**].
24 August 1972: Ethiopia: Gambela: ZFMK: 2 [2 - **2** - **2**].
6 November 1972: Ethiopia: Gambela: ZFMK: 2 [2 - **2** - **2**].
20 December 1972: Ethiopia: Gambela: ZFMK: 1 [1 - **1** - **1**].
27 September 1975: Ethiopia: Koka: SMF: 1 [1 - **1** - **1**].
30 September 1975: Ethiopia: Afdem: SMF: 2 [2 - **2** - **2**].
12 October 1975: Ethiopia: Afdem: SMF: 1 [1 - **1** - **1**].
19 October 1975: Ethiopia: Jimma, 5 km E: SMF: 4 [4 - **4** - **4**].
27 October 1975: Ethiopia: Doki River Bridge: SMF: 1 [1 - **1** - **1**].
29 October 1975: Ethiopia: Doki River Bridge: SMF: 5 [5 - **5** - **5**].
5 November 1975: Ethiopia: Jimma, 5 km E: SMF: 1 [1 - **1** - **1**].
19 November 1975: Ethiopia: Didessa river bridge: SMF: 3 [3 - **3** - **3**].
29 January 1976: Ethiopia: Bulcha Forest: SMNS: 1 [1 - **1** - **1**].
4 February 1976: Ethiopia: Bulcha Forest: SMNS: 2 [2 - **2** - **2**].
15 February 1976: Ethiopia: Baro: SMNS: 1 [1] - Gambela, 60 km E: SMNS: 3 [3 - **4** - **4**].
19 February 1976: Ethiopia: Bulcha Forest: SMNS: 1 [1] - Gambela, 15 km E: SMNS: 1 [1 - **2** - **2**].
20 February 1976: Ethiopia: Bulcha Forest: SMNS: 1 [1 - **1** - **1**].
23 February 1976: Ethiopia: Jikaw: SMNS: 1 [1 - **1** - **1**].

14 April 1976: Ethiopia: Doki River: SMNS: 1 [1 - **1** - **1**].
7 May 1976: Ethiopia: Shifra: SMNS: 1 [1 - **1** - **1**].
9 May 1976: Ethiopia: Shifra: SMNS: 1 [1 - **1** - **1**].
6 June 1976: Ethiopia: Abore: SMNS: 2 [2] - Abore, lake: SMNS: 1 [1 - **3** - **3**].
19 August 1976: Botswana: Toteng: SMNS: 1 [1 - **1** - **1**].
13 January 1977: South Sudan: Juba: SMNS: 1 [1 - **1** - **1**].
21 January 1977: South Sudan: Tonj: SMNS: 1 [1 - **1** - **1**].
22 January 1977: South Sudan: Tonj: SMNS: 1 [1 - **1** - **1**].
2 February 1977: Sudan: Tambura, 45 km N: SMNS: 2 [2 - **2** - **2**].
7 February 1977: Sudan: Maridi: SMNS: 2 [2 - **2** - **2**].
13 December 1977: South Sudan: Torit: SMNS: 1 [1] - Torit, 80 km E: SMNS: 1 [1 - **2** - **2**].
15 December 1977: South Sudan: Kapoeta: SMNS: 1 [1] - Torit, 80 km E: SMNS: 1 [1 - **2** - **2**].
17 December 1977: South Sudan: Kapoeta: SMNS: 1 [1 - **1** - **1**].
31 December 1977: South Sudan: Nagishot: SMNS: 1 [1 - **1** - **1**].
4 January 1978: South Sudan: Gilo: SMNS: 1 [1 - **1** - **1**].
5 January 1978: South Sudan: Gilo: SMNS: 1 [1 - **1** - **1**].
8 April 1978: South Sudan: Gilo: SMNS: 1 [1 - **1** - **1**].
10 April 1978: South Sudan: Gilo: SMNS: 1 [1 - **1** - **1**].
1 July 1978: South Sudan: Talanga Forest: SMNS: 1 [1 - **1** - **1**].
2 July 1978: South Sudan: Talanga forest: SMNS: 2 [2 - **2** - **2**].
17 July 1978: South Sudan: Kajiko North: SMNS: 2 [2 - **2** - **2**].
18 July 1978: South Sudan: Kajiko South: SMNS: 1 [1 - **1** - **1**].
19 July 1978: South Sudan: Kajiko North: SMNS: 1 [1 - **1** - **1**].
20 July 1978: South Sudan: Kajiko South: SMNS: 1 [1 - **1** - **1**].
25 July 1978: South Sudan: Kajo Kaji, 10 mi W: SMNS: 3 [3 - **3**].
Sudan: Kajo Kaji, 10 km W: SMNS: 6 [6 - **6** - **9**].
27 July 1978: South Sudan: Korobi, mount: SMNS: 2 [2 - **2** - **2**].
7 August 1978: South Sudan: Maridi: SMNS: 1 [1 - **1**].
Sudan: Maridi: SMNS: 1 [1 - **1** - **2**].
13 September 1978: Sudan: Raffile: SMNS: 1 [1] - Sue River: SMNS: 1 [1 - **2** - **2**].
26 November 1978: Kenya: Langata forest: SMNS: 1 [1 - **1** - **1**].
5 February 1979: South Sudan: Didinga mountains, western foothils: SMNS: 1 [1 - **1** - **1**].
7 February 1979: South Sudan: Didinga mountains, western foothils: SMNS: 1 [1 - **1** - **1**].
17 February 1979: South Sudan: Jebel Kasangor: SMNS: 1 [1 - **1** - **1**].
23 February 1979: South Sudan: Boma Mountains, Western foothills: SMNS: 1 [1 - **1** - **1**].
31 March 1979: South Sudan: Boro river: SMNS: 1 [1] - Boro river, 25 km N: SMNS: 5 [5 - **6** - **6**].
5 April 1979: Sudan: Rikki river: SMNS: 1 [1 - **1** - **1**].
5 September 1979: South Sudan: Imatong: SMNS: 3 [3 - **3** - **3**].
7 September 1979: South Sudan: Imatong: SMNS: 1 [1 - **1** - **1**].
24 September 1979: South Sudan: Kajiko North: SMNS: 1 [1 - **1** - **1**].
8 October 1979: South Sudan: Lotti forest: SMNS: 1 [1 - **1** - **1**].
25 October 1979: South Sudan: Juba: SMNS: 1 [1 - **1** - **1**].
28 January 1980: South Sudan: Juba: SMNS: 1 [1 - **1** - **1**].
28 June 1983: Sudan: Suni: SMNS: 1 [1 - **1** - **1**].
25 March 1988: Nigeria: Chappal Waddi: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Nikolaus, Gerhard: 183

Niort, P.L.

1 January 1900: Burundi: Busiga: MHNG: 1 [1] - Muyebe: MHNG: 1 [1 - **2** - **2**].
1 January 1965: Burundi: Unknown locality: MHNG: 1 [1 - **1** - **1**].
3 March 1965: Burundi: Unknown locality: MHNG: 2 [2 - **2** - **2**].
25 October 1967: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
26 October 1967: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
29 October 1967: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
6 November 1967: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
9 November 1967: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
11 November 1967: Burundi: Bujumbura: MHNG: 4 [4 - **4** - **4**].
22 November 1967: Burundi: Bujumbura: MHNG: 5 [5 - **5** - **5**].
29 November 1967: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
1 December 1967: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
5 December 1967: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
14 December 1967: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
15 December 1967: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
29 December 1967: Burundi: Gitega: MHNG: 1 [1 - **1** - **1**].
1 January 1968: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
12 January 1968: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
13 January 1968: Burundi: Bujumbura: MHNG: 3 [3 - **3** - **3**].
17 April 1968: Rwanda: Astrida: MHNG: 2 [2 - **2** - **2**].
6 June 1968: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
18 October 1968: Burundi: Bujumbura: MHNG: 4 [4 - **4** - **4**].
23 October 1968: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
1 November 1968: Burundi: Bujumbura: MHNG: 2 [2] - Gitega: MHNG: 2 [2 - **4** - **4**].
9 November 1968: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].

12 November 1968: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
5 December 1968: Burundi: Bujumbura: MHNG: 3 [3 - **3** - **3**].
6 December 1968: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
13 December 1968: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
26 December 1968: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
31 December 1968: Burundi: Mpinga cave: MHNG: 2 [2 - **2** - **2**].
1 January 1969: Burundi: Mpinga cave: MHNG: 10 [10 - **10** - **10**].
3 January 1969: Burundi: Kibimba: MHNG: 2 [2] - Nyankanda: MHNG: 3 [3 - **5** - **5**].
31 January 1969: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
8 March 1969: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
3 April 1969: Burundi: Rwintare: MHNG: 1 [1 - **1** - **1**].
8 April 1969: Burundi: Gifuruzi: MHNG: 1 [1 - **1** - **1**].
9 April 1969: Burundi: Makamba: MHNG: 3 [3] - Rubindi cave: MHNG: 9 [9 - **12** - **12**].
10 April 1969: Burundi: Makamba: MHNG: 2 [2] - Makamba mission: MHNG: 1 [1 - **3** - **3**].
25 April 1969: Burundi: Rwegura: MHNG: 1 [1 - **1** - **1**].
20 May 1969: Burundi: Bujumbura: MHNG: 3 [3 - **3** - **3**].
5 June 1969: Burundi: Busiga: MHNG: 7 [7 - **7** - **7**].
6 June 1969: Burundi: Kanyinya: MHNG: 7 [7 - **7** - **7**].
7 June 1969: Burundi: Rugari mission: MHNG: 4 [4 - **4** - **4**].
8 June 1969: Burundi: Rugari mission: MHNG: 1 [1 - **1** - **1**].
19 June 1969: Burundi: Rwintare Mission: MHNG: 1 [1 - **1** - **1**].
1 August 1969: Burundi: Rumonge: MHNG: 2 [2 - **2** - **2**].
1 October 1969: Burundi: Rugari Mission: MHNG: 1 [1 - **1** - **1**].
3 October 1969: Burundi: Karonge: MHNG: 8 [8 - **8** - **8**].
10 October 1969: Burundi: Kanyosha: MHNG: 4 [4 - **4** - **4**].
12 October 1969: Burundi: Karonge: MHNG: 8 [8] - Karonge mine, galery: MHNG: 1 [1 - **9** - **9**].
13 October 1969: Burundi: Zimet Quarter: MHNG: 4 [4 - **4** - **4**].
21 October 1969: Burundi: Kanyosha: MHNG: 1 [1 - **1** - **1**].
25 October 1969: Burundi: Zimet Quarter: MHNG: 2 [2 - **2** - **2**].
3 November 1969: Burundi: Rumonge: MHNG: 1 [1 - **1** - **1**].
12 November 1969: Burundi: Bujumbura: MHNG: 5 [5] - Rushubi mine: MHNG: 1 [1 - **6** - **6**].
14 November 1969: Burundi: Bujumbura: MHNG: 3 [3 - **3** - **3**].
15 November 1969: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
16 November 1969: Burundi: Rushubi mine: MHNG: 1 [1] - Rushubi Mission, abandoned mine 2 km from: MHNG: 1 [1 - **2** - **2**].
29 November 1969: Burundi: Zimet Quarter: MHNG: 1 [1 - **1** - **1**].
10 December 1969: Burundi: Zimet Quarter: MHNG: 2 [2 - **2** - **2**].
31 December 1969: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
5 January 1970: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
6 January 1970: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
7 January 1970: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
9 January 1970: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
18 January 1970: Burundi: Gihanga: MHNG: 2 [2 - **2** - **2**].
24 January 1970: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
25 January 1970: Burundi: Gihanga: MHNG: 10 [10 - **10** - **10**].
26 January 1970: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
1 February 1970: Burundi: Rwintare: MHNG: 3 [3 - **3** - **3**].
2 February 1970: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
17 February 1970: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
26 February 1970: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
8 March 1970: Burundi: Rubindi cave: MHNG: 11 [11 - **11** - **11**].
10 March 1970: Burundi: Bujumbura: MHNG: 3 [3 - **3** - **3**].
23 March 1970: Burundi: Makamba: MHNG: 5 [5 - **5** - **5**].
25 March 1970: Burundi: Mpinga cave: MHNG: 8 [8 - **8** - **8**].
26 March 1970: Burundi: Mpinga mission: MHNG: 1 [1 - **1** - **1**].
8 April 1970: Burundi: Gihanga: MHNG: 5 [5 - **5** - **5**].
11 April 1970: Burundi: Gihanga: MHNG: 2 [2 - **2** - **2**].
14 April 1970: Burundi: Kanyosha: MHNG: 1 [1 - **1** - **1**].
20 May 1970: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
21 May 1970: Burundi: Gihanga: MHNG: 6 [6 - **6** - **6**].
2 June 1970: Burundi: Buhonga: MHNG: 1 [1 - **1** - **1**].
1 November 1970: Burundi: Gihanga: MHNG: 1 [1 - **1** - **1**].
2 November 1970: Burundi: Gihanga: MHNG: 1 [1 - **1** - **1**].
15 November 1970: Burundi: Gihanga: MHNG: 1 [1 - **1** - **1**].
26 November 1970: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
20 December 1970: Burundi: Mabaye: MHNG: 2 [2 - **2** - **2**].
21 December 1970: Burundi: Buhoro: MHNG: 8 [8 - **8** - **8**].
24 January 1971: Burundi: Gihanga: MHNG: 2 [2 - **2** - **2**].
28 January 1971: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
29 January 1971: Burundi: Bujumbura: MHNG: 1 [1] - Gihanga: MHNG: 1 [1 - **2** - **2**].
17 February 1971: Burundi: Gihanga: MHNG: 1 [1 - **1** - **1**].
10 March 1971: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
12 March 1971: Burundi: Gitega: MHNG: 1 [1 - **1** - **1**].
13 March 1971: Burundi: Gitega: MHNG: 1 [1 - **1** - **1**].
14 March 1971: Burundi: Gitega: MHNG: 1 [1 - **1** - **1**].
23 March 1971: Burundi: Gihanga: MHNG: 1 [1 - **1** - **1**].
29 April 1971: Burundi: Mweya: MHNG: 5 [5 - **5** - **5**].

27 May 1971: Burundi: Murore: MHNG: 4 [4 - **4** - **4**].
3 June 1971: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
4 June 1971: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
25 August 1971: Burundi: Gitega: MHNG: 1 [1 - **1** - **1**].
10 December 1971: Burundi: Mabaye: MHNG: 20 [20 - **20** - **20**].
1 January 1972: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
5 January 1972: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
24 January 1972: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
31 January 1972: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
6 February 1972: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
30 March 1972: Burundi: Bujumbura: MHNG: 2 [2 - **2** - **2**].
17 June 1972: Burundi: Bukara: MHNG: 1 [1 - **1** - **1**].
15 August 1972: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
17 September 1972: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
16 November 1972: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
22 November 1972: Burundi: Gihanga: MHNG: 1 [1 - **1** - **1**].
19 December 1972: Burundi: Mweya: MHNG: 7 [7 - **7** - **7**].
24 January 1973: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
3 February 1973: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
12 February 1973: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
14 March 1973: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
18 May 1973: Burundi: Gihanga: MHNG: 3 [3 - **3** - **3**].
12 July 1973: Burundi: Bujumbura: MHNG: 2 [2] - Mabaye: MHNG: 1 [1 - **3** - **3**].
19 July 1973: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
10 February 1974: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
11 February 1974: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
13 February 1974: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].
17 February 1974: Burundi: Bujumbura: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Niort, P.L.: 329

Nitsche

6 April 1893: France: St. Paterna: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Nitsche: 1

N'Kele

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1] - Bolobo: RMCA: 15 [15] - Keseki: RMCA: 3 [3] - Kunungu: RMCA: 17 [17 - **36** - **36**].
1 January 1931: Congo (Democratic Republic of the): Bolobo: RMCA: 1 [1 - **1** - **1**].
19 November 1937: Congo (Democratic Republic of the): Kunungu: RMCA: 1 [1 - **1** - **1**].
13 August 1958: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1 - **1** - **1**].
25 April 1959: Congo (Democratic Republic of the): Bokalakala: RMCA: 6 [6 - **6** - **6**].
8 May 1959: Congo (Democratic Republic of the): Bokalakala: RMCA: 1 [1 - **1** - **1**].
13 October 1959: Congo (Democratic Republic of the): Bokalakala: RMCA: 1 [1 - **1** - **1**].
23 October 1959: Congo (Democratic Republic of the): Bokalakala: RMCA: 1 [1 - **1** - **1**].
18 November 1959: Congo (Democratic Republic of the): Bokalakala: RMCA: 1 [1 - **1** - **1**].

Total Specimens for N'Kele: 49

NMR

26 June 1967: Botswana: Serula: USNM: 2 [2 - **2** - **2**].

Total Specimens for NMR: 2

Nobis, G.

1 January 1985: Tunisia: Matmata, near: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Nobis, G.: 1

Nomo

Collection Date Unknown: Cameroon: Lékoun: RMCA: 2 [2 - **2** - **2**].
11 June 1970: Cameroon: Eyen Meyong: RMCA: 4 [4 - **4** - **4**].
12 June 1970: Cameroon: Lékoun: RMCA: 8 [8 - **8** - **8**].
29 June 1970: Cameroon: Lékoun: RMCA: 6 [6 - **6** - **6**].
25 July 1970: Cameroon: Lékoun: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Nomo: 21

Noome White Expedition, The

30 June 1935: South Africa: Motale River: TM: 1 [1 - **1** - **1**].
4 July 1935: South Africa: Motale river: TM: 1 [1 - **1** - **1**].

Total Specimens for Noome White Expedition, The: 2

Noome, F.O.

Collection Date Unknown: South Africa: Olifants River: TM: 1 [1] - Pretoria: TM: 1 [1 - **2** - **2**].
5 May 1916: South Africa: Mayville: TM: 1 [1 - **1** - **1**].
9 February 1932: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
24 April 1933: South Africa: Pretoria: TM: 4 [4 - **4** - **4**].

Total Specimens for Noome, F.O.: 8

Northern Areas Bat Intrest Group, The

20 September 2003: South Africa: Farm Makapansgat 39KS: TM: 1 [1 - **1** - **1**].

Total Specimens for Northern Areas Bat Intrest Group, The: 1

Norton, G.; Roertgen, B.

Collection Date Unknown: Tanzania: Mikumi National Park, H.Q.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Norton, G.; Roertgen, B.: 1

Norton, Peter M.

9 May 1975: South Africa: Farm Sparta: KNP: 1 [1 - **1** - **1**].
20 June 1975: South Africa: American cave: TM: 4 [4 - **4** - **4**].

Total Specimens for Norton, Peter M.: 5

Novick, Alvin

1 May 1956: Congo (Democratic Republic of the): Mabali: MCZ: 3 [3 - **3** - **3**].
1 June 1956: Congo (Democratic Republic of the): Unknown locality: MCZ: 3 [3] - Equateur province: MCZ: 1 [1] - Mabali: MCZ: 16 [16 - **20** - **20**].
14 June 1956: Congo (Democratic Republic of the): Lake Tumba, Island in: MCZ: 1 [1 - **1** - **1**].
18 June 1956: Congo (Democratic Republic of the): Mabali: MCZ: 4 [4 - **4** - **4**].
21 June 1956: Congo (Democratic Republic of the): Mabali: MCZ: 1 [1 - **1** - **1**].
22 June 1956: Congo (Democratic Republic of the): Equateur province: MCZ: 1 [1] - Mabali: MCZ: 1 [1 - **2** - **2**].
25 June 1956: Congo (Democratic Republic of the): Bikoro: MCZ: 6 [6 - **6** - **6**].
27 June 1956: Congo (Democratic Republic of the): Mabali: MCZ: 1 [1 - **1** - **1**].
11 July 1956: "Africa": Unknown locality: MCZ: 2 [2 - **2**].
Congo (Democratic Republic of the): Katana: MCZ: 10 [10 - **10** - **12**].
13 July 1956: Congo (Democratic Republic of the): Lwiro: MCZ: 2 [2 - **2** - **2**].
19 July 1956: Congo (Democratic Republic of the): Ituri Forest: MCZ: 9 [9 - **9** - **9**].
26 July 1956: Congo (Democratic Republic of the): Uvira: MCZ: 1 [1 - **1** - **1**].
27 July 1956: Congo (Democratic Republic of the): Uvira: MCZ: 18 [18 - **18** - **18**].
1 August 1956: Congo (Democratic Republic of the): Bushokwe Caves: MCZ: 2 [2 - **2** - **2**].
17 June 1965: Congo (Democratic Republic of the): Lake Tumba, Island in: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Novick, Alvin: 83

Ntotoji

15 March 1987: Congo (Democratic Republic of the): Matadi: RMCA: 1 [1 - **1** - **1**].
16 March 1987: Congo (Democratic Republic of the): Matadi: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Ntotoji: 4

O.W.H.

12 July 1979: Congo (Democratic Republic of the): Tandala: TTU: 1 [1 - **1** - **1**].

Total Specimens for O.W.H.: 1

Obertin

Collection Date Unknown: South Africa: KwaZulu-Natal province: USNM: 1 [1 - **1** - **1**].

Total Specimens for Obertin: 1

O'Brien, Carrie J.

10 June 2002: Gabon: Toucan Site: USNM: 1 [1 - **1** - **1**].

Total Specimens for O'Brien, Carrie J.: 1

Ogilvie, M.B.

29 January 1962: Tanzania: Minaki, St. Andrews College: KU: 1 [1 - **1** - **1**].
30 January 1962: Tanzania: Minaki, St. Andrews College: KU: 2 [2 - **2** - **2**].
24 February 1962: Tanzania: Minaki, St. Andrews College: KU: 1 [1 - **1** - **1**].
2 March 1962: Tanzania: Minaki, St. Andrews College: KU: 1 [1 - **1** - **1**].
3 March 1962: Tanzania: Minaki, St. Andrews College: KU: 1 [1 - **1** - **1**].
26 May 1962: Tanzania: Minaki, St. Andrews College: KU: 1 [1 - **1** - **1**].

Total Specimens for Ogilvie, M.B.: 7

Ogilvie, M.B. (or Philip W.)

28 January 1962: Tanzania: Minaki, St. Andrews College: KU: 1 [1 - **1** - **1**].
3 March 1962: Tanzania: Minaki, St. Andrews College: KU: 1 [1 - **1** - **1**].
15 March 1962: Tanzania: Minaki, St. Andrews College: KU: 1 [1 - **1** - **1**].

Total Specimens for Ogilvie, M.B. (or Philip W.): 3

Ogilvie, Philip W.

18 September 1961: Tanzania: Minaki, St. Andrews College: KU: 1 [1 - **1** - **1**].
21 September 1961: Tanzania: Minaki, St. Andrews College: KU: 1 [1 - **1** - **1**].
29 January 1962: Tanzania: Minaki, St. Andrews College: KU: 2 [2 - **2** - **2**].
30 January 1962: Tanzania: Minaki, St. Andrews College: KU: 6 [6 - **6** - **6**].
10 December 1962: Uganda: Kangole R.C.Mission: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Ogilvie, Philip W.: 11

Olivier, Z.; Barry, Thomas H.

Collection Date Unknown: South Africa: Tierkloof, Bushcamp: SAMC: 2 [2 - **2** - **2**].

Total Specimens for Olivier, Z.; Barry, Thomas H.: 2

Olson, Storrs L.

5 April 1983: South Africa: Cape Town: USNM: 1 [1 - **1** - **1**].

Total Specimens for Olson, Storrs L.: 1

Onon, M.A.

4 November 1949: Mauritius: Rose Hill: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Onon, M.A.: 1

Oosthuizen, A.

27 July 1967: South Africa: Oliphantspoort, Olifantspruit: ROM: 1 [1 - **1** - **1**].
31 July 1967: South Africa: Oliphantspoort, Olifantspruit: ROM: 1 [1 - **1** - **1**].

Total Specimens for Oosthuizen, A.: 2

Oram, R.H.

1 January 1956: Malawi: Karonga: HZM: 3 [3 - **3** - **3**].
4 January 1956: Malawi: Karonga: HZM: 1 [1 - **1** - **1**].
24 June 1957: Malawi: Karonga: HZM: 1 [1 - **1** - **1**].
9 December 1957: Malawi: Karonga: HZM: 2 [2 - **2** - **2**].

Total Specimens for Oram, R.H.: 7

ORSTOM

Collection Date Unknown: Côte d'Ivoire: Unknown locality: RMCA: 101 [101] - Adiopodoumé: RMCA: 1 [1] - Blodi: RMCA: 2 [2] - Duékoué: RMCA: 13 [13] - Guéboua: RMCA: 3 [3] - Lamto: ZMA: 4 [4 - **124** - **124**].
9 July 1963: Côte d'Ivoire: I.D.E.R.T.: RMCA: 1 [1 - **1** - **1**].
26 March 1964: Côte d'Ivoire: I.D.E.R.T.: RMCA: 1 [1 - **1** - **1**].
30 May 1964: "Africa": Unknown locality: ZMA: 1 [1 - **1** - **1**].
3 June 1964: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
22 December 1966: Côte d'Ivoire: Adiopodoumé: RMCA: 2, ZMA: 1 [3 - **3** - **3**].
26 April 1968: Côte d'Ivoire: Lamto: RMCA: 1 [1 - **1** - **1**].
9 March 1969: Côte d'Ivoire: Ehania: RMCA: 2 [2 - **2** - **2**].
10 October 1969: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
30 January 1970: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
23 March 1970: Côte d'Ivoire: Lamto: RMCA: 1 [1 - **1** - **1**].
31 March 1970: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
25 June 1970: Côte d'Ivoire: Guéboua: ZMA: 1 [1 - **1** - **1**].
1 July 1970: Côte d'Ivoire: Lamto: RMCA: 3 [3 - **3** - **3**].
2 July 1970: Côte d'Ivoire: Lamto: RMCA: 2 [2 - **2** - **2**].
4 July 1970: Côte d'Ivoire: Lamto: RMCA: 2 [2 - **2** - **2**].
5 July 1970: Côte d'Ivoire: Lamto: RMCA: 2 [2 - **2** - **2**].
10 July 1970: Côte d'Ivoire: Adiopodoumé: RMCA: 5 [5 - **5** - **5**].
11 July 1970: Côte d'Ivoire: Adiopodoumé: RMCA: 23 [23 - **23** - **23**].
15 July 1970: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
14 August 1970: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
1 September 1970: Côte d'Ivoire: Kanan-Koffi-Kro: RMCA: 12 [12 - **12** - **12**].
17 October 1970: Côte d'Ivoire: Guéboua: RMCA: 2 [2 - **2** - **2**].
29 October 1970: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2 - **2** - **2**].
8 November 1970: Côte d'Ivoire: Adiopodoumé: ZMA: 1 [1 - **1** - **1**].
28 December 1970: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
21 January 1971: Côte d'Ivoire: Lamto: RMCA: 1 [1 - **1** - **1**].
31 March 1971: Senegal: Bafoulabé: MNHN: 4 [4 - **4** - **4**].
28 May 1971: Côte d'Ivoire: Oumé: RMCA: 1 [1 - **1** - **1**].
1 January 1972: Côte d'Ivoire: Unknown locality: RMCA: 1 [1] - Adiopodoumé: ZMA: 2 [2 - **3** - **3**].
24 January 1972: Côte d'Ivoire: Matonguiné: RMCA: 1 [1 - **1** - **1**].
24 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 33 [33 - **33** - **33**].
27 October 1980: Côte d'Ivoire: Adiopodoumé: ZMA: 1 [1 - **1** - **1**].

Total Specimens for ORSTOM: 240

Osborn, Dale James
(10 May 1922: Hemet - 20 August 2004: Praha)

30 May 1984: Egypt: Bir Kohila: NMP: 5 [5] - Bir Nagat: NMP: 1 [1 - **6** - **6**].
2 June 1984: Egypt: Bir Nagat: NMP: 1 [1 - **1** - **1**].
4 June 1984: Egypt: Bir Nagat: NMP: 1 [1 - **1** - **1**].

Total Specimens for Osborn, Dale James: 8

Osborne, T.O.

Collection Date Unknown: Zambia: Ngwerere cave: CAS: 8 [8] - Nyika Plateau: NMZL: 3 [3 - **11** - **11**].
26 August 1971: Zambia: Ngwerere cave: CAS: 1, TTU: 8 [9 - **9** - **9**].
1 September 1971: Zambia: Chipongwe Cave: CAS: 8, TTU: 8 [16 - **16** - **16**].
2 September 1971: Zambia: Lusaka: TTU: 1 [1 - **1** - **1**].
18 October 1971: Tanzania: Mbizi Forest: NMZL: 1 [1 - **1** - **1**].
4 February 2011: Namibia: Windpoort Farm 428, Tandala Ridge: CAS: 7 [7 - **7** - **7**].
25 December 2011: Namibia: Windpoort Farm 428, Tandala Ridge: CAS: 1 [1 - **1** - **1**].
17 January 2012: Namibia: Windpoort Farm 428, Tandala Ridge: CAS: 5 [5 - **5** - **5**].

Total Specimens for Osborne, T.O.: 51

Osgood, Wilfred Hudson
(1875 - 1947)

5 March 1927: Ethiopia: Debre Marcos, near: FMNH: 1 [1 - **1** - **1**].
18 April 1927: Ethiopia: Metemma, near: FMNH: 6 [6 - **6** - **6**].

Total Specimens for Osgood, Wilfred Hudson: 7

O'Shea, Thomas J.

1 October 1973: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].
6 October 1973: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].
28 October 1973: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].

30 October 1973: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].
1 November 1973: Kenya: Kibwezi: WAM: 2 [2 - **2** - **2**].
5 November 1973: Kenya: Kibwezi: WAM: 2 [2 - **2** - **2**].
18 November 1973: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].
31 December 1973: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].
15 March 1974: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].
30 March 1974: Kenya: Kibwezi: WAM: 2 [2 - **2** - **2**].
22 May 1974: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].
6 July 1974: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].
7 July 1974: Kenya: Kibwezi: WAM: 1 [1] - Kibwezi, 6.5 mi N, 10.5 mi E: NAU: 1 [1 - **2** - **2**].
8 July 1974: Kenya: Kibwezi: WAM: 2 [2] - Kibwezi, 6.5 mi N, 10.5 mi E: NAU: 1 [1 - **3** - **3**].
9 July 1974: Kenya: Kibwezi: WAM: 1 [1] - Kibwezi, 6.5 mi N, 10.5 mi E: NAU: 1 [1 - **2** - **2**].
10 July 1974: Kenya: Kibwezi: WAM: 1 [1] - Kibwezi, 6.5 mi N, 10.5 mi E: NAU: 2 [2 - **3** - **3**].
11 July 1974: Kenya: Kibwezi: WAM: 1 [1] - Kibwezi, 6.5 mi N, 10.5 mi E: NAU: 1 [1 - **2** - **2**].
12 July 1974: Kenya: Kibwezi, 6.5 mi N, 10.5 mi E: NAU: 3 [3 - **3** - **3**].
14 July 1974: Kenya: Kibwezi, 6.5 mi N, 10.5 mi E: NAU: 1 [1 - **1** - **1**].
22 July 1974: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].

Total Specimens for O'Shea, Thomas J.: 32

Osler, H.S.

1 January 1924: Sudan: White Nile: ROM: 1 [1 - **1** - **1**].

Total Specimens for Osler, H.S.: 1

Osman Hill, W.C.; Tribe, A.R.

Collection Date Unknown: Somalia: Hargeisa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Osman Hill, W.C.; Tribe, A.R.: 1

Othegraven

Collection Date Unknown: Congo: Oubangi: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Othegraven: 1

Otuba, J.E.

29 May 1965: Kenya: Tsavo East-NP, Rhino Corner: ROM: 1 [1 - **1** - **1**].

Total Specimens for Otuba, J.E.: 1

Owen, C.R.

31 July 1961: Malawi: Chikwawa: NMMB: 3 [3 - **3** - **3**].
18 October 1961: Malawi: Liwonde: NMMB: 1 [1 - **1** - **1**].

Total Specimens for Owen, C.R.: 4

Owen, G.F.

Collection Date Unknown: Senegal: Dialocote: BMNH: 2 [2 - **2** - **2**].
7 March 1910: Senegal: Dialocote: BMNH: 1 [1 - **1** - **1**].
9 March 1910: Senegal: Dialocote: BMNH: 1 [1 - **1** - **1**].
7 May 1910: Senegal: Dialocote: BMNH: 1 [1 - **1** - **1**].
8 February 1911: Senegal: Badi: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Owen, G.F.: 6

Owen, J.S.

Collection Date Unknown: South Sudan: Nagishot: FMNH: 1 [1] - Talanga forest: FMNH: 1 [1 - **2**].
Sudan: Barakat: FMNH: 1 [1] - Loki: FMNH: 5 [5 - **6** - **8**].
28 February 1949: South Sudan: Lafon: ZMUC: 2 [2 - **2** - **2**].
5 March 1949: South Sudan: Torit: ZMUC: 1 [1 - **1** - **1**].
18 March 1949: Sudan: Luem: ZMUC: 1 [1 - **1** - **1**].
30 July 1949: South Sudan: Torit: ZMUC: 1 [1 - **1** - **1**].
12 December 1949: South Sudan: Torit: ZMUC: 1 [1 - **1** - **1**].
20 December 1949: South Sudan: Lafon: ZMUC: 2 [2 - **2** - **2**].
1 January 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
2 January 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
5 January 1950: South Sudan: Torit: ZMUC: 4 [4 - **4** - **4**].
12 January 1950: South Sudan: Lobira: ZMUC: 3 [3 - **3** - **3**].

14 January 1950: South Sudan: Issore: FMNH: 1 [1 - **1** - **1**].
15 January 1950: South Sudan: Issore: FMNH: 1 [1 - **1** - **1**].
23 January 1950: South Sudan: Ikoto: FMNH: 1 [1 - **1** - **1**].
15 February 1950: South Sudan: Mongalla: FMNH: 1 [1 - **1** - **1**].
27 February 1950: South Sudan: Imatong: ZMUC: 1 [1 - **1** - **1**].
13 March 1950: South Sudan: Mongalla: ZMUC: 3 [3 - **3** - **3**].
15 March 1950: South Sudan: Mongalla: ZMUC: 1 [1 - **1** - **1**].
16 March 1950: South Sudan: Loa: ZMUC: 1 [1 - **1** - **1**].
17 March 1950: South Sudan: Mongalla: ZMUC: 1 [1] - Nimule: FMNH: 1 [1 - **2** - **2**].
25 March 1950: South Sudan: Longairo: FMNH: 1 [1 - **1** - **1**].
29 March 1950: South Sudan: Mura: FMNH: 6 [6 - **6** - **6**].
30 March 1950: South Sudan: Lafon: FMNH: 5 [5 - **5** - **5**].
12 April 1950: South Sudan: Lafon: FMNH: 1 [1 - **1** - **1**].
17 April 1950: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
20 April 1950: South Sudan: Loa: FMNH: 2 [2 - **2** - **2**].
21 April 1950: South Sudan: Loa: FMNH: 3 [3 - **3** - **3**].
30 April 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
1 May 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
5 May 1950: South Sudan: Ikoto: FMNH: 4 [4 - **4** - **4**].
9 May 1950: South Sudan: Chalamni: FMNH: 1 [1] - Murukurun: FMNH: 5 [5 - **6** - **6**].
10 May 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
12 May 1950: South Sudan: Imurok: FMNH: 8 [8] - Torit: FMNH: 1 [1 - **9** - **9**].
13 May 1950: South Sudan: Juba: FMNH: 2 [2] - Torit: FMNH: 6 [6 - **8** - **8**].
17 May 1950: South Sudan: Imurok: FMNH: 3 [3 - **3** - **3**].
20 May 1950: South Sudan: Kerripi: FMNH: 2 [2] - Nimule: FMNH: 2 [2 - **4** - **4**].
23 May 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
26 May 1950: South Sudan: Torit: FMNH: 8 [8 - **8** - **8**].
1 June 1950: South Sudan: Katire: FMNH: 9 [9] - Loelli: FMNH: 8 [8 - **17** - **17**].
17 June 1950: South Sudan: Bor: FMNH: 4 [4] - Talanga forest: FMNH: 4 [4 - **8** - **8**].
19 June 1950: South Sudan: Torit: FMNH: 5 [5 - **5** - **5**].
20 June 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
23 June 1950: South Sudan: Juba: FMNH: 12 [12 - **12** - **12**].
1 July 1950: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
6 July 1950: South Sudan: Torit: FMNH: 5 [5 - **5** - **5**].
7 July 1950: South Sudan: Torit: FMNH: 3 [3 - **3** - **3**].
13 July 1950: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
16 July 1950: South Sudan: Nimule: FMNH: 7 [7 - **7** - **7**].
21 July 1950: South Sudan: Loa: FMNH: 1 [1 - **1** - **1**].
28 July 1950: South Sudan: Loqutor: FMNH: 4 [4 - **4** - **4**].
30 July 1950: South Sudan: Torit: FMNH: 10 [10 - **10** - **10**].
4 August 1950: South Sudan: Torit: FMNH: 3 [3 - **3** - **3**].
5 August 1950: South Sudan: Okaru: FMNH: 15 [15 - **15** - **15**].
6 August 1950: South Sudan: Lowai: FMNH: 1 [1 - **1** - **1**].
9 August 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
14 August 1950: South Sudan: Tirangole: FMNH: 5 [5 - **5** - **5**].
15 August 1950: South Sudan: Torit: FMNH: 5 [5 - **5** - **5**].
18 August 1950: South Sudan: Imurok: FMNH: 4 [4 - **4** - **4**].
21 August 1950: South Sudan: Torit: FMNH: 4 [4 - **4** - **4**].
23 August 1950: South Sudan: Lafon: FMNH: 2 [2 - **2** - **2**].
29 August 1950: South Sudan: Nimule: FMNH: 5 [5 - **5** - **5**].
31 August 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
2 September 1950: South Sudan: Imurok: FMNH: 4 [4 - **4** - **4**].
5 September 1950: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
7 September 1950: South Sudan: Tirangole: FMNH: 9 [9 - **9** - **9**].
1 October 1950: South Sudan: Katire: FMNH: 1 [1 - **1** - **1**].
13 November 1950: South Sudan: Lawudo: FMNH: 2 [2 - **2** - **2**].
16 November 1950: South Sudan: Torit: FMNH: 3 [3 - **3** - **3**].
17 November 1950: South Sudan: Torit: FMNH: 3 [3 - **3** - **3**].
19 November 1950: South Sudan: Lawudo: FMNH: 1 [1 - **1** - **1**].
23 November 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
28 November 1950: South Sudan: Gilo: FMNH: 6 [6 - **6** - **6**].
3 December 1950: South Sudan: Katuluru: FMNH: 3 [3 - **3** - **3**].
7 December 1950: South Sudan: Chalamni: FMNH: 7 [7 - **7** - **7**].
11 December 1950: South Sudan: Shukoli: FMNH: 7 [7 - **7** - **7**].
19 December 1950: South Sudan: Imurok: FMNH: 11 [11 - **11** - **11**].
20 December 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
22 December 1950: South Sudan: Gilo: FMNH: 1 [1 - **1** - **1**].
23 December 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
24 December 1950: South Sudan: Nagishot: FMNH: 5 [5 - **5** - **5**].
25 December 1950: South Sudan: Nagishot: FMNH: 4 [4 - **4** - **4**].
26 December 1950: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
28 December 1950: South Sudan: Torit: FMNH: 11 [11 - **11** - **11**].
30 December 1950: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
31 December 1950: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
1 January 1951: South Sudan: Amadi: FMNH: 3 [3] - Ngop: FMNH: 3 [3] - Yirol: FMNH: 2 [2 - **8** - **8**].
2 January 1951: South Sudan: Torit: FMNH: 6 [6 - **6** - **6**].

3 January 1951: South Sudan: Ikoto: FMNH: 5 [5 - **5** - **5**].
4 January 1951: South Sudan: Logirim: FMNH: 3 [3 - **3** - **3**].
7 January 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
16 January 1951: South Sudan: Issore: FMNH: 3 [3 - **3** - **3**].
20 January 1951: South Sudan: Torit: FMNH: 4 [4 - **4** - **4**].
23 January 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
24 January 1951: South Sudan: Torit: FMNH: 9 [9 - **9** - **9**].
25 January 1951: South Sudan: Katuluru: FMNH: 4 [4] - Torit: FMNH: 3, ZMUC: 1 [4 - **8** - **8**].
26 January 1951: South Sudan: Torit: FMNH: 2 [2] - Yirol: FMNH: 1 [1 - **3** - **3**].
28 January 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
29 January 1951: South Sudan: Loa: FMNH: 1 [1 - **1** - **1**].
30 January 1951: South Sudan: Loa: FMNH: 2, ZMUC: 1 [3] - Loelli: FMNH: 3 [3 - **6** - **6**].
5 February 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
6 February 1951: South Sudan: Katire: FMNH: 3 [3] - Lokwi: FMNH: 1 [1 - **4** - **4**].
7 February 1951: South Sudan: Katire: FMNH: 3 [3 - **3** - **3**].
9 February 1951: South Sudan: Lokwi: FMNH: 9 [9 - **9** - **9**].
15 February 1951: South Sudan: Issore: FMNH: 6 [6 - **6** - **6**].
16 February 1951: South Sudan: Issore: FMNH: 1 [1 - **1** - **1**].
24 February 1951: South Sudan: Molongori: FMNH: 5 [5 - **5** - **5**].
26 February 1951: South Sudan: Katire: FMNH: 1 [1 - **1** - **1**].
17 March 1951: South Sudan: Lofi: FMNH: 6 [6] - Lokwi: FMNH: 1 [1 - **7** - **7**].
18 March 1951: South Sudan: Latome: FMNH: 1 [1 - **1** - **1**].
20 March 1951: South Sudan: Latome: FMNH: 1 [1 - **1** - **1**].
22 March 1951: South Sudan: Lofi: FMNH: 5 [5 - **5** - **5**].
26 March 1951: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
31 March 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
4 April 1951: South Sudan: Lafon: ZMUC: 3 [3 - **3** - **3**].
7 April 1951: South Sudan: Katire: FMNH: 1 [1 - **1** - **1**].
9 April 1951: South Sudan: Katire: FMNH: 4 [4 - **4** - **4**].
12 April 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
14 April 1951: South Sudan: Palwar: FMNH: 2 [2 - **2** - **2**].
18 April 1951: South Sudan: Katire: FMNH: 2 [2 - **2** - **2**].
19 April 1951: South Sudan: Katire: FMNH: 1 [1 - **1** - **1**].
3 May 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
4 May 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
6 May 1951: South Sudan: Ikoto: FMNH: 1 [1 - **1** - **1**].
7 May 1951: South Sudan: Ikoto: FMNH: 2 [2 - **2** - **2**].
9 May 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
14 May 1951: South Sudan: Katire: FMNH: 1 [1 - **1** - **1**].
20 May 1951: South Sudan: Katire: FMNH: 1 [1 - **1** - **1**].
26 May 1951: South Sudan: Torit: FMNH: 3 [3 - **3** - **3**].
27 May 1951: South Sudan: Torit: ZMUC: 5 [5 - **5** - **5**].
31 May 1951: South Sudan: Katire: FMNH: 1 [1 - **1** - **1**].
6 June 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
12 June 1951: South Sudan: Katire: FMNH: 1 [1 - **1** - **1**].
13 June 1951: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
14 June 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
21 June 1951: South Sudan: Lokwi: FMNH: 3 [3 - **3** - **3**].
1 July 1951: South Sudan: Loelli: FMNH: 1 [1] - Lokwi: FMNH: 1 [1 - **2** - **2**].
7 July 1951: South Sudan: Torit: ZMUC: 2 [2 - **2** - **2**].
9 July 1951: South Sudan: Nagishot: ZMUC: 1 [1 - **1** - **1**].
10 July 1951: South Sudan: Lokwi: FMNH: 1 [1 - **1** - **1**].
31 July 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
1 August 1951: South Sudan: Kapoeta: FMNH: 1 [1 - **1** - **1**].
3 August 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
7 August 1951: South Sudan: Ikoto: FMNH: 3 [3] - Lokwi: FMNH: 2 [2 - **5** - **5**].
8 August 1951: South Sudan: Ikoto: FMNH: 1 [1] - Lokwi: FMNH: 2 [2 - **3** - **3**].
15 August 1951: South Sudan: Katire: FMNH: 1 [1] - Lokwi: FMNH: 1 [1 - **2** - **2**].
23 August 1951: South Sudan: Fula Rapids: FMNH: 1 [1] - Nimule: FMNH: 4 [4 - **5** - **5**].
2 September 1951: South Sudan: Nagishot: FMNH: 8 [8 - **8** - **8**].
7 September 1951: South Sudan: Lokwi: FMNH: 4 [4 - **4** - **4**].
12 September 1951: South Sudan: Ngangala, 20 mi [=32 km]N: FMNH: 1 [1 - **1** - **1**].
19 September 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
26 September 1951: South Sudan: Lafon: FMNH: 4 [4 - **4** - **4**].
29 September 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
30 September 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
19 October 1951: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
10 November 1951: South Sudan: Lokwi: FMNH: 1 [1 - **1** - **1**].
11 November 1951: South Sudan: Gilo: FMNH: 6 [6 - **6** - **6**].
12 November 1951: South Sudan: Lokwi: FMNH: 9 [9 - **9** - **9**].
14 November 1951: South Sudan: Lokwi: FMNH: 1 [1 - **1** - **1**].
10 December 1951: South Sudan: Lokwi: FMNH: 3 [3 - **3** - **3**].
13 December 1951: South Sudan: Gilo: FMNH: 1 [1 - **1** - **1**].
1 January 1952: South Sudan: Katire: FMNH: 2 [2 - **2** - **2**].
20 January 1952: South Sudan: Lafon: FMNH: 1 [1] - Palwar: FMNH: 10 [10 - **11** - **11**].
28 January 1952: South Sudan: Katire: FMNH: 3 [3] - Torit: FMNH: 1 [1 - **4** - **4**].

30 January 1952: South Sudan: Loa: FMNH: 2 [2 - **2** - **2**].
17 February 1952: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
22 February 1952: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
25 February 1952: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
28 February 1952: South Sudan: Torit: FMNH: 22 [22 - **22** - **22**].
29 February 1952: South Sudan: Magwe: FMNH: 4 [4 - **4** - **4**].
1 March 1952: South Sudan: Katire: FMNH: 2 [2] - Lokwi: FMNH: 1 [1 - **3** - **3**].
2 March 1952: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
3 March 1952: South Sudan: Katuluru: FMNH: 2 [2 - **2** - **2**].
4 March 1952: South Sudan: Lowai: FMNH: 2 [2 - **2** - **2**].
6 March 1952: South Sudan: Torit: FMNH: 4 [4 - **4** - **4**].
1 June 1952: South Sudan: Lokwi: FMNH: 10 [10 - **10** - **10**].
6 August 1952: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
12 August 1952: South Sudan: Juba: FMNH: 2 [2 - **2** - **2**].
21 August 1952: South Sudan: Torit: FMNH: 2 [2 - **2** - **2**].
26 September 1952: South Sudan: Katire: FMNH: 5 [5 - **5** - **5**].
4 October 1952: South Sudan: Torit: FMNH: 1 [1 - **1** - **1**].
24 December 1952: South Sudan: Lokwi: FMNH: 10 [10 - **10** - **10**].
29 December 1952: South Sudan: Lokwi: FMNH: 1 [1 - **1** - **1**].
31 December 1952: South Sudan: Imatong mountains: FMNH: 1 [1] - Jebel Goumia: FMNH: 21 [21 - **22** - **22**].
2 April 1953: Sudan: Khartoum: FMNH: 2 [2 - **2** - **2**].
3 April 1953: Sudan: Khartoum: FMNH: 2 [2 - **2** - **2**].
6 April 1953: Sudan: Barakat: FMNH: 1 [1 - **1** - **1**].
7 April 1953: Sudan: Sennar: FMNH: 1 [1 - **1** - **1**].
10 April 1953: Sudan: Khartoum: FMNH: 4 [4 - **4** - **4**].
25 August 1953: South Sudan: Yambio: FMNH: 2 [2 - **2** - **2**].
9 October 1953: South Sudan: Mupoi cave: FMNH: 6 [6 - **6** - **6**].
1 January 1954: South Sudan: Wau, 100 mi N: FMNH: 6 [6 - **6** - **6**].
25 March 1954: Sudan: Khartoum: FMNH: 1 [1 - **1** - **1**].
1 April 1954: Sudan: Jebel el Azraq: FMNH: 1 [1 - **1** - **1**].
8 April 1954: South Sudan: Mbarianga Cave: FMNH: 1 [1 - **1** - **1**].
15 April 1954: Sudan: Jebel el Azraq: FMNH: 3 [3 - **3** - **3**].
16 April 1954: South Sudan: Mupoi cave: FMNH: 4 [4 - **4** - **4**].
28 April 1954: Sudan: Khartoum: FMNH: 3 [3 - **3** - **3**].
1 May 1954: Sudan: Khartoum: FMNH: 1 [1 - **1** - **1**].
1 June 1954: Sudan: Khartoum: FMNH: 2 [2 - **2** - **2**].
2 June 1954: South Sudan: Marangu cave: FMNH: 4 [4 - **4** - **4**].

Total Specimens for Owen, J.S.: 685

Owen, T.R.H.

Collection Date Unknown: Zambia: Kariba, lake, north shore: NHMZ: 5 [5 - **5** - **5**].

Total Specimens for Owen, T.R.H.: 5

Owre, Oscar T.

26 September 1953: Kenya: Ferguson's Gulf: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Owre, Oscar T.: 1

Oxford University Expedition to Mount Nimba, The

Collection Date Unknown: Liberia: Unknown locality: BMNH: 4 [4] - Mount Nimba: BMNH: 2 [2 - **6** - **6**].
12 July 1978: Liberia: Tokadeh: BMNH: 3 [3 - **3** - **3**].
10 August 1978: Liberia: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Oxford University Expedition to Mount Nimba, The: 10

Pachinger, R.

Collection Date Unknown: Tanzania: Dar es Salaam: NMW: 1 [1 - **1** - **1**].

Total Specimens for Pachinger, R.: 1

Pakenham, Richard Hercules Wingfield
(1906 - 1979)

Collection Date Unknown: Tanzania: Bet El Ras: BMNH: 5 [5] - Bugagi: BMNH: 1 [1] - Bumbwini: MCZ: 4 [4] - Bungi: BMNH: 2 [2] - Kizimkazi: BMNH: 2 [2] - Marahubi Mlangoni: BMNH: 1 [1] - Mbweni: BMNH: 2 [2] - Mizi Miombe Hill: BMNH: 2 [2] - Mwiti Mkuu: BMNH: 1 [1] - Shakani: BMNH: 2 [2 - **22** - **22**].
4 November 1938: Tanzania: Kizimkazi: BMNH: 5 [5 - **5** - **5**].
27 November 1938: Tanzania: Kizimkazi: BMNH: 1 [1 - **1** - **1**].
8 December 1938: Tanzania: Mbweni: BMNH: 1 [1 - **1** - **1**].

23 January 1939: Tanzania: Pemba island: MCZ: 2 [2 - **2** - **2**].
24 May 1939: Tanzania: Mkoani: BMNH: 1 [1 - **1** - **1**].
26 July 1939: Tanzania: Mkvani: MCZ: 3 [3 - **3** - **3**].
29 July 1939: Tanzania: Mkvani: MCZ: 2 [2 - **2** - **2**].
4 August 1939: Tanzania: Mkanyagini: MCZ: 1 [1 - **1** - **1**].
24 October 1939: Tanzania: Wetu: MCZ: 1 [1 - **1** - **1**].
12 November 1939: Tanzania: Niete: MCZ: 1 [1 - **1** - **1**].
21 November 1939: Tanzania: Mangapwani: MCZ: 6 [6 - **6** - **6**].
14 January 1940: Tanzania: Fondo Island: MCZ: 4 [4 - **4** - **4**].
22 January 1940: Tanzania: Maziwa ya Ngombe: MCZ: 5 [5] - Maziwangombe: MCZ: 3 [3] - Pemba island: MCZ: 1 [1 - **9** - **9**].
23 January 1940: Tanzania: Bumbwini: MCZ: 6 [6 - **6** - **6**].
26 January 1941: Tanzania: Chake Chake: MCZ: 1 [1 - **1** - **1**].
7 April 1944: Tanzania: Zanzibar: BMNH: 1 [1 - **1** - **1**].
22 November 1945: Ghana: Winneba: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Pakenham, Richard Hercules Wingfield: 68

Paling van Veen, W.

3 July 1952: "Africa": Aoule: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Paling van Veen, W.: 1

Pallary, Paul
(1869 - 1942)

Collection Date Unknown: Algeria: Oran: MNHN: 1 [1 - **1** - **1**].
20 July 1914: Morocco: Unknown locality: MCZ: 6 [6 - **6** - **6**].

Total Specimens for Pallary, Paul: 7

Pallett, J.R.

9 April 1990: Namibia: Omega: SMW: 1 [1] - Western Caprivi, Omega: SMW: 1 [1 - **2** - **2**].
9 April 1999: Namibia: Omega, 12 km E: SMW: 3 [3 - **3** - **3**].

Total Specimens for Pallett, J.R.: 5

Pallett, J.R.; Maluleke, Elvis

3 March 1989: Namibia: Eiseb R: SMW: 2 [2 - **2** - **2**].
4 March 1989: Namibia: Eiseb R: SMW: 4 [4 - **4** - **4**].
5 March 1989: Namibia: Eiseb R: SMW: 4 [4 - **4** - **4**].
8 March 1989: Namibia: Eiseb R, Therosvallei: SMW: 2 [2 - **2** - **2**].

Total Specimens for Pallett, J.R.; Maluleke, Elvis: 12

Palmer, Guy

Collection Date Unknown: South Africa: Bergplaas: SAMC: 1 [1] - De Hoek: SAMC: 1 [1 - **2** - **2**].

Total Specimens for Palmer, Guy: 2

Parcon, K.

Collection Date Unknown: Seychelles: Amirante Island: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Parcon, K.: 1

Pareiß

Collection Date Unknown: Egypt: Unknown locality: ZMB: 1 [1] - no specific locality: ZMB: 1 [1 - **2** - **2**].

Total Specimens for Pareiß: 2

Parelius, Daniel Arthur
(1949 -)

18 June 1964: Côte d'Ivoire: Korhogo: FMNH: 1 [1 - **1** - **1**].
4 December 1964: Côte d'Ivoire: Bouaké: FMNH: 1 [1 - **1** - **1**].
29 January 1965: Côte d'Ivoire: Bouaké: FMNH: 2 [2 - **2** - **2**].
5 February 1965: Côte d'Ivoire: Bouaké: FMNH: 1 [1 - **1** - **1**].
12 February 1965: Côte d'Ivoire: Bouaké: FMNH: 1 [1 - **1** - **1**].
13 February 1965: Côte d'Ivoire: Bouaké: FMNH: 1 [1 - **1** - **1**].
1 April 1965: Côte d'Ivoire: Bouaké: FMNH: 1 [1 - **1** - **1**].

16 April 1965: Côte d'Ivoire: Bouaké: FMNH: 2 [2 - **2** - **2**].
19 April 1965: Côte d'Ivoire: Bouaké: FMNH: 2 [2 - **2** - **2**].
24 May 1965: Côte d'Ivoire: Bouaké: FMNH: 1 [1 - **1** - **1**].
24 June 1965: Côte d'Ivoire: Abidjan: FMNH: 1 [1 - **1** - **1**].
1 January 1969: Côte d'Ivoire: Unknown locality: FMNH: 6 [6] - Kadioa, near: FMNH: 2 [2 - **8** - **8**].
22 June 1969: Côte d'Ivoire: Duékoué: FMNH: 2 [2 - **2** - **2**].
23 June 1969: Côte d'Ivoire: Duékoué: FMNH: 2 [2 - **2** - **2**].
24 June 1969: Côte d'Ivoire: Duékoué: FMNH: 2 [2 - **2** - **2**].
25 June 1969: Côte d'Ivoire: Duékoué: FMNH: 2 [2 - **2** - **2**].
28 June 1969: Côte d'Ivoire: Déoulé: FMNH: 7 [7 - **7** - **7**].
29 June 1969: Côte d'Ivoire: Déoulé: FMNH: 4 [4 - **4** - **4**].
2 July 1969: Côte d'Ivoire: Madinani mountains, E of: FMNH: 4 [4 - **4** - **4**].
3 July 1969: Côte d'Ivoire: Madinani mountains, E of: FMNH: 8 [8] - Séguélo: FMNH: 1 [1 - **9** - **9**].
4 July 1969: Côte d'Ivoire: Madinani mountains, E of: FMNH: 11 [11 - **11** - **11**].
5 July 1969: Côte d'Ivoire: Madinani mountains, E of: FMNH: 7 [7 - **7** - **7**].
6 July 1969: Côte d'Ivoire: Madinani mountains, E of: FMNH: 1 [1 - **1** - **1**].
7 July 1969: Côte d'Ivoire: Madinani mountains, E of: FMNH: 7 [7 - **7** - **7**].
8 July 1969: Côte d'Ivoire: Madinani mountains, E of: FMNH: 7 [7 - **7** - **7**].
11 July 1969: Côte d'Ivoire: Torgokaha: FMNH: 8 [8 - **8** - **8**].
12 July 1969: Côte d'Ivoire: Torgokaha: FMNH: 1 [1 - **1** - **1**].
13 July 1969: Côte d'Ivoire: Torgokaha: FMNH: 4 [4 - **4** - **4**].
15 July 1969: Côte d'Ivoire: Torgokaha: FMNH: 4 [4 - **4** - **4**].
16 July 1969: Côte d'Ivoire: Boundiali: FMNH: 2 [2 - **2** - **2**].
17 July 1969: Côte d'Ivoire: Dabakala: FMNH: 11 [11 - **11** - **11**].
18 July 1969: Côte d'Ivoire: Banama Blanc: FMNH: 1 [1] - Dabakala: FMNH: 12 [12 - **13** - **13**].
19 July 1969: Côte d'Ivoire: Dabakala: FMNH: 2 [2 - **2** - **2**].
20 July 1969: Côte d'Ivoire: Dabakala: FMNH: 5 [5 - **5** - **5**].
21 July 1969: Côte d'Ivoire: Dabakala: FMNH: 2 [2 - **2** - **2**].
24 July 1969: Côte d'Ivoire: Banama Blanc: FMNH: 7 [7 - **7** - **7**].
25 July 1969: Côte d'Ivoire: Banama Blanc: FMNH: 10 [10 - **10** - **10**].
26 July 1969: Côte d'Ivoire: Banama Blanc: FMNH: 6 [6 - **6** - **6**].
28 July 1969: Côte d'Ivoire: Banama Blanc: FMNH: 3 [3 - **3** - **3**].
29 July 1969: Côte d'Ivoire: Banama Blanc: FMNH: 1 [1 - **1** - **1**].
31 July 1969: Côte d'Ivoire: Kadioa, near: FMNH: 10 [10 - **10** - **10**].
2 August 1969: Côte d'Ivoire: Kadioa, near: FMNH: 1 [1 - **1** - **1**].
3 August 1969: Côte d'Ivoire: Kadioa, near: FMNH: 1 [1 - **1** - **1**].
7 August 1969: Côte d'Ivoire: Kadioa, near: FMNH: 1 [1 - **1** - **1**].
16 August 1969: Côte d'Ivoire: Boundiali: FMNH: 20 [20 - **20** - **20**].

Total Specimens for Parelius, Daniel Arthur: 199

Parent

Collection Date Unknown: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].
26 June 1962: Congo (Democratic Republic of the): Baya carrière: RMCA: 1 [1 - **1** - **1**].
26 June 1963: Congo (Democratic Republic of the): Baya carrière: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Parent: 5

Parker

1 February 1958: Kenya: Coast [former] province: SMF: 2 [2 - **2** - **2**].
15 August 1970: Kenya: Kilifi: ROM: 1 [1 - **1** - **1**].

Total Specimens for Parker: 3

Parker, Ian

12 February 1958: Kenya: Lualeni Borehole: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Parker, Ian: 1

Parker, Noel

11 October 1931: South Africa: Fir Glen: TM: 1 [1 - **1** - **1**].

Total Specimens for Parker, Noel: 1

Parker, P.

1 February 1958: Azores (Portugal): Terceira Island: USNM: 1 [1 - **1** - **1**].

Total Specimens for Parker, P.: 1

Parker; Williams, A.E.

15 August 1970: Kenya: Kilifi: ROM: 2 [2 - **2** - **2**].

Total Specimens for Parker; Williams, A.E.: 2

Parks

2 September 1903: Portugal: São Miguel Island: USNM: 1 [1 - **1** - **1**].

Total Specimens for Parks: 1

Paschen

Collection Date Unknown: Cameroon: Longji: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Paschen: 1

Pasha, Emin

Collection Date Unknown: Congo (Democratic Republic of the): Usambiers: BMNH: 1 [1 - **1** - **1**].
20 August 1890: Tanzania: Ngerengere River: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Pasha, Emin: 2

Patrizi Montoro, Saverio
(11 January 1902: Sasso Furbara - 21 February 1957)

1 December 1912: Eritrea: Gaare: MSNG: 1 [1 - **1** - **1**].
1 February 1929: Eritrea: Assab: MSNG: 1 [1 - **1** - **1**].
1 December 1929: Eritrea: Gaare: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Patrizi Montoro, Saverio: 3

Patterson, Bruce D.

Collection Date Unknown: Kenya: Unknown locality: FMNH: 6 [6 - **6** - **6**].

Total Specimens for Patterson, Bruce D.: 6

Patterson, P.

15 July 1963: Kenya: Ngong: ROM: 2, USNM: 1 [3 - **3** - **3**].
15 August 1963: Kenya: Ngong Hills: USNM: 2 [2 - **2** - **2**].

Total Specimens for Patterson, P.: 5

Patton, James L.
(21 June 1941: St. Louis -)

30 May 2000: Cameroon: Sakbayémé, 26 km NE: MVZ: 3 [3 - **3** - **3**].
1 June 2000: Cameroon: Obala, 6 km E: MVZ: 3 [3 - **3** - **3**].
26 February 2006: Madagascar: Andriamamovoka: MVZ: 2 [2 - **2** - **2**].
10 October 2007: Malawi: Ntchisi Forest Reserve: MVZ: 1 [1 - **1** - **1**].
25 October 2007: Malawi: Ntchisi Forest Reserve: MVZ: 5 [5 - **5** - **5**].
26 October 2007: Malawi: Ntchisi Forest Reserve: MVZ: 3 [3 - **3** - **3**].
27 October 2007: Malawi: Ntchisi Forest Reserve: MVZ: 4 [4 - **4** - **4**].
28 October 2007: Malawi: Ntchisi Forest Reserve: MVZ: 1 [1 - **1** - **1**].
29 October 2007: Malawi: Ntchisi Forest Reserve: MVZ: 25 [25 - **25** - **25**].
30 October 2007: Malawi: Ntchisi Forest Reserve: MVZ: 3 [3 - **3** - **3**].
31 October 2007: Malawi: Ntchisi Forest Reserve: MVZ: 5 [5 - **5** - **5**].
1 November 2007: Malawi: Ntchisi Forest Reserve: MVZ: 1 [1 - **1** - **1**].
2 November 2007: Malawi: Ntchisi Forest Reserve: MVZ: 2 [2 - **2** - **2**].
11 November 2007: Malawi: Likabula river: MVZ: 3 [3 - **3** - **3**].
12 November 2007: Malawi: Likabula river: MVZ: 3 [3 - **3** - **3**].
13 November 2007: Malawi: Likabula river: MVZ: 1 [1 - **1** - **1**].
14 November 2007: Malawi: Likabula river: MVZ: 1 [1 - **1** - **1**].
15 November 2007: Malawi: Likabula river: MVZ: 1 [1 - **1** - **1**].
20 November 2007: Malawi: Likabula river: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Patton, James L.: 68

Paulian, Renaud
(1913 - 2003)

Collection Date Unknown: Madagascar: Anjoky cave: MNHN: 2 [2] - Faux Cap: USNM: 5 [5] - Mikea Forest, Grotte d'Andalambezo: MNHN: 6 [6 - **13** - **13**].
1 September 1952: Madagascar: Mistinjo: MNHN: 1 [1] - Namoroka, Réserve Naturelle: MNHN: 1 [1 - **2** - **2**].

Total Specimens for Paulian, Renaud: 15

Paulian, Renaud; Lepesme, Pierre

1 December 1939: Central African Republic: Bangui: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Paulian, Renaud; Lepesme, Pierre: 1

Paulson, Dennis R.

27 October 1958: Kenya: Loiyangalani, 29 mi N: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Paulson, Dennis R.: 1

Paulson, Robert C.

22 September 1967: Ghana: Oda Secondary School: MSU: 1 [1 - **1** - **1**].
22 March 1968: Ghana: Oda Secondary School: MSU: 1 [1 - **1** - **1**].

Total Specimens for Paulson, Robert C.: 2

Pavey, T.D.K.

24 September 1962: Zimbabwe: Sinoia: BMNH: 1 [1 - **1** - **1**].
1 January 1965: Zimbabwe: Chipinga: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Pavey, T.D.K.: 2

Payne-Smit, H.A.W.

24 February 1961: Zimbabwe: Fort Cottage: ZMA: 1 [1 - **1** - **1**].
1 September 1961: Zimbabwe: Fort Cottage: ZMA: 1 [1 - **1** - **1**].
29 March 1962: Zimbabwe: Inyanga: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Payne-Smit, H.A.W.: 3

Peabody, Frank Elmer
(28 August 1914 - 27 June 1958)

5 September 1947: South Africa: Rotterdam Farm: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Peabody, Frank Elmer: 1

Peake

Collection Date Unknown: Madagascar: Fianarantsoa[, Fianarantsoa province]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Peake: 1

Pearse, A.S.

Collection Date Unknown: Nigeria: Lagos: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Pearse, A.S.: 1

Peek, J.R.

2 December 1979: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].
3 December 1979: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 2 [2 - **2** - **2**].
9 December 1979: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 2 [2 - **2** - **2**].
12 December 1979: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 3 [3 - **3** - **3**].
8 December 1980: Zimbabwe: Chizarira-Mcheni Gorge: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Peek, J.R.: 9

Peelman

6 July 1970: Congo (Democratic Republic of the): Lubumbashi: RBINS: 4 [4 - **4** - **4**].

Total Specimens for Peelman: 4

Peinke, Dean M.

15 November 2001: South Africa: Suikerbosrand [=Suikerboschrand] Nature Reserve: TM: 1 [1 - **1** - **1**].
14 May 2005: South Africa: Minaars cave: TM: 1 [1 - **1** - **1**].
13 September 2005: South Africa: Gatkop: TM: 2 [2 - **2** - **2**].
7 October 2005: South Africa: Farm Bolts Farm: TM: 1 [1 - **1** - **1**].
24 November 2005: South Africa: Gauteng province: TM: 1 [1 - **1** - **1**].
1 February 2006: South Africa: Farm Tweefontein 523 JQ: TM: 1 [1 - **1** - **1**].

Total Specimens for Peinke, Dean M.: 7

Pel, H.S.

Collection Date Unknown: "Africa": Unknown locality: RMNH: 1 [1 - **1**].
Ghana: Unknown locality: RMNH: 5 [5] - Gold Coast [=Goldküste]: ZMB: 1 [1 - **6**].
Guinea: Unknown locality: ZMB: 3 [3 - **3** - **10**].

Total Specimens for Pel, H.S.: 10

Peña, Jesus

27 July 1986: Morocco: Laachaich: EBD: 6 [6 - **6** - **6**].

Total Specimens for Peña, Jesus: 6

Peña, Jesus; Jiménez, Antonio

10 August 1986: Morocco: Oued Siglone: EBD: 4 [4 - **4** - **4**].
11 August 1986: Morocco: Boudman: EBD: 1 [1 - **1** - **1**].
12 August 1986: Morocco: Duea Seglaon: EBD: 2 [2 - **2** - **2**].
13 August 1986: Morocco: Duea Seglaon: EBD: 2 [2 - **2** - **2**].

Total Specimens for Peña, Jesus; Jiménez, Antonio: 9

Penrith, M.J.

19 May 1980: Namibia: Pioniers Park: SMW: 1 [1 - **1** - **1**].

Total Specimens for Penrith, M.J.: 1

Penther, A.

Collection Date Unknown: South Africa: Port Alfred: NMW: 1 [1 - **1** - **1**].

Total Specimens for Penther, A.: 1

Penzhorn, B.L.; Kilian, J.A.

23 November 1985: South Africa: Pafuri area, Mockford's Garden: TM: 1 [1 - **1** - **1**].

Total Specimens for Penzhorn, B.L.; Kilian, J.A.: 1

Peper

10 February 1950: Ethiopia: Wadere: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Peper: 1

Percival, Arthur Blayney
(1875 - 1941)

Collection Date Unknown: Kenya: Malindi: BMNH: 1 [1] - Takaunga: BMNH: 1 [1] - Takaungu: BMNH: 1 [1 - **3**].
Tanzania: Tanzania: BMNH: 1 [1 - **1** - **4**].
20 October 1900: Kenya: Takaungu: BMNH: 1 [1 - **1** - **1**].
15 February 1901: Kenya: Rabai: BMNH: 1 [1 - **1** - **1**].
8 August 1911: Kenya: Euaso Nyiro: USNM: 1 [1 - **1** - **1**].
18 August 1911: Kenya: Ewaso Ngi'ro: BMNH: 1 [1 - **1** - **1**].
4 September 1911: Kenya: Ewaso Ngi'ro: BMNH: 1 [1 - **1** - **1**].

30 September 1911: Kenya: Ewaso Ngi'ro: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Percival, Arthur Blayney: 10

Percy, P.C.

29 October 1951: Congo (Democratic Republic of the): Kamituga and Kampene, road between: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Percy, P.C.: 1

Perez, L.M.

30 January 1968: Zambia: Samfya: UZMZ: 1 [1 - **1** - **1**].

Total Specimens for Perez, L.M.: 1

Perramon, A

Collection Date Unknown: Equatorial Guinea: Unknown locality: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Perramon, A: 1

Perret, J.L.

23 December 1952: Cameroon: Foulassi: MHNG: 2 [2 - **2** - **2**].
3 January 1953: Cameroon: Foulassi: MHNG: 1 [1 - **1** - **1**].
8 January 1953: Cameroon: Ngam: ZFMK: 1 [1 - **1** - **1**].
14 February 1953: Cameroon: Foulassi: MHNG: 1 [1 - **1** - **1**].
25 March 1953: Cameroon: Mintjaminyumin: ZFMK: 1 [1 - **1** - **1**].
24 April 1953: Cameroon: Foulassi: MHNG: 1 [1 - **1** - **1**].
30 November 1953: Cameroon: Foulassi: MHNG: 1 [1 - **1** - **1**].
3 December 1953: Cameroon: Foulassi: MHNG: 1 [1 - **1** - **1**].
10 December 1953: Cameroon: Ngam: MHNG: 1 [1 - **1** - **1**].
12 March 1954: Cameroon: Foulassi: MHNG: 1 [1 - **1** - **1**].
14 June 1954: Cameroon: Foulassi: MHNG: 1 [1 - **1** - **1**].
1 January 1955: Cameroon: Ebolowa: HNHM: 2 [2 - **2** - **2**].

Total Specimens for Perret, J.L.: 14

Perry, R.C.

23 August 1951: Kenya: Ijara: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Perry, R.C.: 3

Pestalozzi, Guilio
(? Beirut - 1930: Rome)

1 July 1893: Eritrea: Assab: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Pestalozzi, Guilio: 1

Peters, Wilhelm Carl Hartwig
(1815 - 1884)

Collection Date Unknown: Comoros: Anjouan Island: ZMB: 2 [2 - **2**].
Mozambique: Unknown locality: ZMB: 3 [3] - Boror: BMNH: 1, RMNH: 1, ZMB: 5 [7] - Cabaceira: ZMB: 1 [1] - Ibo: ZMB: 3 [3] - Inhambane: BMNH: 3, NMW: 1, ZMB: 3 [7] - Mozambique Island: ZMB: 1 [1] - Sena: ZMB: 4 [4] - Tette [=Tete]: ZMB: 15 [15 - **41** - **43**].
1 January 1843: Mozambique: Inhambane: ZMB: 4 [4] - Mozambique Island: ZMB: 3 [3] - Tette [=Tete]: ZMB: 1 [1 - **8** - **8**].
1 March 1845: Mozambique: Tette [=Tete]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Peters, Wilhelm Carl Hartwig: 52

Peterson, Randolph L.

Collection Date Unknown: Cameroon: Bipindi, 10 km W: ROM: 1 [1] - Keboko, 8 km W: ROM: 3 [3] - Kiribi, 14 km N: ROM: 2 [2] - Kiribi, 4 km E: ROM: 1 [1] - Kiribi, 7 km E: ROM: 1 [1] - Kiribi, 9 km N: ROM: 1 [1] - Kumba: ROM: 22 [22] - Kumba, 15 km S: ROM: 4 [4] - Lake Barombi, west side: ROM: 1 [1] - Lower Ekona: ROM: 3 [3] - Malako River: ROM: 2 [2] - Man O'War Bay: ROM: 1 [1] - Metchum River: ROM: 1 [1] - Mkwikane cave: ROM: 8 [8] - Mvengue [=Mvengu], 3 km W, 1 km N: ROM: 11 [11] - Ndjole, 4 km N: ROM: 1 [1] - Ndjole, 6 km N: ROM: 1 [1] - Nojole, 12 km S: ROM: 1 [1] - Nojole, 6 km N: ROM: 1 [1] - Obala, 12 km S, 11 km E: ROM: 4 [4] - Obala, 12 km S, 4 km E: ROM: 5 [5] - Ongoo: ROM: 1 [1] - Ongoo near Mukono: ROM: 20 [20] - Ongoonear Mukono, Kumba: ROM: 5 [5] - Sou Mou River: ROM: 1 [1] - Soumo River: ROM: 3 [3] - Soumou River: ROM: 2 [2] - Tibati: ROM: 36 [36] - Yoko, 34 km S: ROM: 3 [3 - **146**].
Madagascar: Grotte de Sarondrana [= Sarodrano]: SAMA: 1 [1 - **1**].

Zimbabwe: Retreat Farm: ROM: 1 [1 - **1** - **148**].
18 January 1970: Cameroon: Keboko, 8 km W: ROM: 8 [8] - Obala, 12 km S, 4 km E: ROM: 1 [1 - **9** - **9**].
19 January 1970: Cameroon: Obala, 12 km S, 4 km E: ROM: 13 [13 - **13** - **13**].
20 January 1970: Cameroon: Obala, 12 km S, 4 km E: ROM: 5 [5 - **5** - **5**].
22 January 1970: Cameroon: Kumba: ROM: 4 [4 - **4** - **4**].
23 January 1970: Cameroon: Kumba: ROM: 4 [4 - **4** - **4**].
24 January 1970: Cameroon: Kumba: ROM: 2 [2] - Ongoo near Mukono: ROM: 15 [15 - **17** - **17**].
25 January 1970: Cameroon: Kumba: ROM: 9 [9] - Kumba, 15 km S: ROM: 8 [8 - **17** - **17**].
26 January 1970: Cameroon: Man O'War Bay: ROM: 6 [6 - **6** - **6**].
27 January 1970: Cameroon: Kumba, 15 km S: ROM: 9 [9 - **9** - **9**].
28 January 1970: Cameroon: Kumba: ROM: 1 [1 - **1** - **1**].
29 January 1970: Cameroon: Mbouda, 15 km SSE: ROM: 14 [14 - **14** - **14**].
30 January 1970: Cameroon: Mbouda, 15 km SSE: ROM: 2 [2 - **2** - **2**].
31 January 1970: Cameroon: Mbouda, 15 km SSE: ROM: 2 [2] - Metchum River: ROM: 6 [6 - **8** - **8**].
1 February 1970: Cameroon: Agyati: ROM: 2 [2] - Bafut: ROM: 5 [5] - Bafut Agyati, 2 km E: ROM: 4 [4 - **11** - **11**].
2 February 1970: Cameroon: Bafut: ROM: 1 [1 - **1** - **1**].
3 February 1970: Cameroon: Mayo Darle, 6 km N: ROM: 11 [11 - **11** - **11**].
4 February 1970: Cameroon: Banyo, 30 km ESE: ROM: 9 [9] - Mayo Darle, 10 km N: ROM: 5 [5 - **14** - **14**].
5 February 1970: Cameroon: Banyo, 30 km ESE: ROM: 28 [28 - **28** - **28**].
6 February 1970: Cameroon: Meng River: ROM: 2 [2] - Tibati air strip: ROM: 34 [34 - **36** - **36**].
7 February 1970: Cameroon: Meng River: ROM: 11 [11] - Tibati air strip: ROM: 46 [46 - **57** - **57**].
8 February 1970: Cameroon: Meng River: ROM: 9 [9 - **9** - **9**].
9 February 1970: Cameroon: Yoko, 34 km S: ROM: 1 [1 - **1** - **1**].
10 February 1970: Cameroon: Ndjole, 6 km N: ROM: 1 [1 - **1** - **1**].
11 February 1970: Cameroon: Malako River: ROM: 14 [14 - **14** - **14**].
12 February 1970: Cameroon: Bipindi, 10 km W: ROM: 1 [1] - Obala, 12 km S, 11 km E: ROM: 5 [5] - Obala, 12 km S, 4 km E: ROM: 15 [15 - **21** - **21**].
13 February 1970: Cameroon: Obala, 12 km S, 11 km E: ROM: 1 [1] - Obala, 12 km S, 4 km E: ROM: 5 [5] - Sou Mou River: ROM: 2 [2 - **8** - **8**].
14 February 1970: Cameroon: Sou Mou River: ROM: 5 [5 - **5** - **5**].
15 February 1970: Cameroon: Sou Mou River: ROM: 8 [8 - **8** - **8**].
16 February 1970: Cameroon: Mvenge, 6 km W: ROM: 1 [1] - Sou Mou River: ROM: 4 [4 - **5** - **5**].
17 February 1970: Cameroon: Mvenge, 6 km W: ROM: 5 [5 - **5** - **5**].
18 February 1970: Cameroon: Bipindi, 10 km W: ROM: 1 [1] - Mvenge, 6 km W: ROM: 4 [4] - Mvengue, 3 km W, 1 km N: ROM: 3 [3 - **8** - **8**].
19 February 1970: Cameroon: Bipindi, 10 km W: ROM: 9 [9 - **9** - **9**].
20 February 1970: Cameroon: Bipindi, 10 km W: ROM: 3 [3] - Kiribi, 14 km N: ROM: 3 [3] - Kiribi, 4 km E: ROM: 1 [1] - Kiribi, 7 km E: ROM: 1 [1 - **8** - **8**].
21 February 1970: Cameroon: Kiribi, 14 km N: ROM: 3 [3] - Kiribi, 9 km N: ROM: 2 [2] - Kiribi, 9 km W: ROM: 2 [2] - Kribi: ROM: 1 [1 - **8** - **8**].
22 February 1970: Cameroon: Kiribi, 14 km N: ROM: 1 [1] - Kiribi, 9 km N: ROM: 1 [1] - Kribi, 8 km SE: ROM: 3 [3 - **5** - **5**].
11 May 1972: Zimbabwe: Chikupo caves area: ROM: 1 [1 - **1** - **1**].
2 June 1972: Zimbabwe: Retreat Farm: ROM: 1 [1 - **1** - **1**].

Total Specimens for Peterson, Randolph L.: 532

Peterson, Randolph L.; *et al.*

10 April 1967: Madagascar: Antanarivo [= Tananarive]: ROM: 1 [1 - **1** - **1**].
19 April 1967: Madagascar: Antanarivo [= Tananarive]: ROM: 1 [1 - **1** - **1**].
21 April 1967: Madagascar: Southern Tanatarive: ROM: 1 [1 - **1** - **1**].
25 April 1967: Madagascar: Ambodiriana: ROM: 19 [19 - **19** - **19**].
23 January 1970: Cameroon: Kumba: ROM: 1 [1 - **1** - **1**].
25 January 1970: Cameroon: Kumba, 15 km S: ROM: 11 [11 - **11** - **11**].
27 January 1970: Cameroon: Kumba, 15 km S: ROM: 11 [11 - **11** - **11**].
1 February 1970: Cameroon: Bafut: ROM: 2 [2 - **2** - **2**].
12 February 1970: Cameroon: Obala, 12 km S, 4 km E: ROM: 2 [2 - **2** - **2**].
19 February 1970: Cameroon: Bipindi, 10 km W: ROM: 1 [1 - **1** - **1**].
22 February 1970: Cameroon: Kribi, 8 km SE: ROM: 1 [1 - **1** - **1**].
21 June 1970: Cameroon: Njombo River: ROM: 1 [1 - **1** - **1**].
18 May 1972: Zimbabwe: Lanninghurst mine: ROM: 28 [28 - **28** - **28**].
19 May 1972: Zimbabwe: Atlantica Ecological Research Station: ROM: 2 [2 - **2** - **2**].
20 May 1972: Zimbabwe: Kilworth Estate: ROM: 14 [14 - **14** - **14**].
21 May 1972: Zimbabwe: Mutare: ROM: 2 [2 - **2** - **2**].
22 May 1972: Zimbabwe: Mutare: ROM: 12 [12 - **12** - **12**].
23 May 1972: Zimbabwe: Mutare: ROM: 8 [8 - **8** - **8**].
24 May 1972: Zimbabwe: Birchenough Bridge Hotel: ROM: 1 [1] - Birchenough Bridge Hotel, 11 km W: ROM: 18 [18 - **19** - **19**].
26 May 1972: Zimbabwe: Nuanetsi Ranch Headquarters: ROM: 1 [1] - Nuanetsi Ranch Headquarters, 18 km W: ROM: 2 [2 - **3** - **3**].
27 May 1972: Zimbabwe: Nuanetsi Ranch Headquarters: ROM: 27 [27] - Nungu Dam: ROM: 2 [2 - **29** - **29**].
28 May 1972: Zimbabwe: Nuanetsi Ranch Headquarters: ROM: 3 [3] - Nungu Dam: ROM: 1 [1 - **4** - **4**].
29 May 1972: Zimbabwe: Nuanetsi Ranch Headquarters, 1.6 km W: ROM: 2 [2] - Nuanetsi Ranch Headquarters, 26 km W: ROM: 2 [2 - **4** - **4**].
30 May 1972: Zimbabwe: Great Zimbabwe, Garden Cave: ROM: 11 [11] - Retreat Farm: ROM: 2 [2] - Zimbabwe National Park: ROM: 1 [1 - **14** - **14**].

31 May 1972: Zimbabwe: Retreat Farm: ROM: 1 [1] - Zimbabwe National Park: ROM: 2 [2 - **3** - **3**].
1 June 1972: Zimbabwe: Retreat Farm: ROM: 6 [6 - **6** - **6**].
2 June 1972: Zimbabwe: Retreat Farm: ROM: 8 [8 - **8** - **8**].

Total Specimens for Peterson, Randolph L.; *et al.*: 208

Peterson, Randolph L.; Glen, Robert M.

29 January 1970: Cameroon: Mbouda, 15 km SSE: ROM: 13 [13 - **13** - **13**].
30 January 1970: Cameroon: Mbouda, 15 km SSE: ROM: 11 [11 - **11** - **11**].
7 February 1970: Cameroon: Tibati air strip: ROM: 1 [1 - **1** - **1**].
1 January 1972: Kenya: Rondo forest: ROM: 3 [3 - **3** - **3**].

Total Specimens for Peterson, Randolph L.; Glen, Robert M.: 28

Peterson, Randolph L.; Glen, Robert M.; Curry, Noreen

23 January 1970: Cameroon: Kumba: ROM: 1 [1 - **1** - **1**].

Total Specimens for Peterson, Randolph L.; Glen, Robert M.; Curry, Noreen: 1

Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip

Collection Date Unknown: Cameroon: Soumou River: ROM: 1 [1 - **1** - **1**].
13 February 1970: Cameroon: Sou Mou River: ROM: 1 [1 - **1** - **1**].
15 February 1970: Cameroon: Sou Mou River: ROM: 2 [2 - **2** - **2**].
16 February 1970: Cameroon: Sou Mou River: ROM: 1 [1 - **1** - **1**].
19 February 1970: Cameroon: Bipindi, 10 km W: ROM: 1 [1 - **1** - **1**].

Total Specimens for Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: 6

Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.

Collection Date Unknown: Kenya: Donyo Sabuk: ROM: 2 [2 - **2** - **2**].
9 October 1971: Kenya: Donyo Sabuk: ROM: 1 [1 - **1** - **1**].
1 January 1972: Kenya: Kisumu: ROM: 75 [75] - Rondo forest: ROM: 25 [25 - **100** - **100**].
14 January 1972: Kenya: Langata: ROM: 4 [4 - **4** - **4**].
28 January 1972: Kenya: Donyo Sabuk: ROM: 4 [4 - **4** - **4**].
29 January 1972: Kenya: Donyo Sabuk: ROM: 3 [3 - **3** - **3**].
1 February 1972: Kenya: Donyo Sabuk: ROM: 5 [5 - **5** - **5**].
10 February 1972: Kenya: Donyo Sabuk: ROM: 2 [2 - **2** - **2**].
12 February 1972: Kenya: Donyo Sabuk: ROM: 1 [1] - Kayata area: ROM: 8 [8 - **9** - **9**].
27 April 1972: Kenya: Donyo Sabuk, 3.2 km SE: ROM: 2 [2] - Makindu: ROM: 2 [2] - Makindu, 19 km W: ROM: 24 [24 - **28** - **28**].
28 April 1972: Kenya: Donyo Sabuk, 3.2 km SE: ROM: 39 [39] - Makindu, 13 km NW: ROM: 3 [3] - Makindu, 16 km NW: ROM: 4 [4 - **46** - **46**].
29 April 1972: Kenya: Langata: ROM: 6 [6 - **6** - **6**].

Total Specimens for Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: 210

Peterson, Randolph L.; Turner, G.E.

19 December 1971: Zimbabwe: Atlantica Ecological Research Station: ROM: 1 [1 - **1** - **1**].
1 May 1972: Zimbabwe: Singereri Hills: ROM: 51 [51 - **51** - **51**].
2 May 1972: Zimbabwe: Unknown locality: ROM: 1 [1] - Singereri Hills: ROM: 3 [3 - **4** - **4**].
4 May 1972: Zimbabwe: Rusper Farm: ROM: 6 [6 - **6** - **6**].
6 May 1972: Zimbabwe: near Lake McIlwaine, Triumph mine: ROM: 1 [1] - Triumph Mine: ROM: 16 [16 - **17** - **17**].
7 May 1972: Zimbabwe: near Lake McIlwaine, Triumph mine: ROM: 1 [1] - Triumph Mine: ROM: 30 [30 - **31** - **31**].
8 May 1972: Zimbabwe: Chikupo Caves: ROM: 1 [1 - **1** - **1**].
9 May 1972: Zimbabwe: Chikupo Caves: ROM: 5 [5 - **5** - **5**].
10 May 1972: Zimbabwe: Chikupo cave, 19 km W: ROM: 1 [1] - Chikupo Caves: ROM: 5 [5 - **6** - **6**].
11 May 1972: Zimbabwe: Chikupo Caves: ROM: 38 [38 - **38** - **38**].
14 May 1972: Zimbabwe: Happy Valley Farm: ROM: 5 [5 - **5** - **5**].
15 May 1972: Zimbabwe: Happy Valley Farm: ROM: 16 [16 - **16** - **16**].
16 May 1972: Zimbabwe: Happy Valley Farm: ROM: 21 [21 - **21** - **21**].
17 May 1972: Zimbabwe: Lanninghurst mine: ROM: 23 [23] - West Nicholson: ROM: 1 [1 - **24** - **24**].
18 May 1972: Zimbabwe: Lanninghurst mine: ROM: 3 [3 - **3** - **3**].
25 May 1972: Zimbabwe: Nuanetsi Ranch Headquarters: ROM: 1 [1 - **1** - **1**].
27 May 1972: Zimbabwe: Nuanetsi Ranch Headquarters: ROM: 4 [4 - **4** - **4**].
2 June 1972: Zimbabwe: Retreat Farm: ROM: 5 [5 - **5** - **5**].
3 June 1972: Zimbabwe: Retreat Farm: ROM: 1 [1 - **1** - **1**].

Total Specimens for Peterson, Randolph L.; Turner, G.E.: 240

Peterson, Randolph L.; Turner, G.E; Fenton, Melville Brock

22 May 1972: Zimbabwe: Mutare: ROM: 5 [5 - **5** - **5**].
23 May 1972: Zimbabwe: Mutare: ROM: 17 [17 - **17** - **17**].
24 May 1972: Zimbabwe: Mutare: ROM: 2 [2 - **2** - **2**].

Total Specimens for Peterson, Randolph L.; Turner, G.E; Fenton, Melville Brock: 24

Peterson, Randolph L.; Williams, John George; Glen, Robert M.

21 March 1967: Madagascar: Analamazaotra forest, Périnet: ROM: 1 [1 - **1** - **1**].
9 April 1967: Kenya: Lake Naivasha: ROM: 3 [3 - **3** - **3**].
11 April 1967: Kenya: Kedong Valley: ROM: 15 [15] - Lake Naivasha: ROM: 2 [2] - Mount Suswa: ROM: 11 [11 - **28** - **28**].
19 April 1967: Madagascar: Antanarivo [= Tananarive]: ROM: 7 [7 - **7** - **7**].
20 April 1967: Madagascar: Ambohijoky: ROM: 11 [11] - Antanarivo [= Tananarive]: ROM: 25 [25] - Palace Rock: ROM: 1 [1 - **37** - **37**].
22 April 1967: Madagascar: Antanarivo [= Tananarive]: ROM: 15 [15 - **15** - **15**].
23 April 1967: Madagascar: Analamazaotra forest, Périnet: ROM: 1 [1] - Périnet, 8 km S: ROM: 33 [33 - **34** - **34**].
24 April 1967: Madagascar: Analamazaotra forest, Périnet: ROM: 3 [3] - Périnet, 5 km S: ROM: 12 [12 - **15** - **15**].
25 April 1967: Madagascar: Ambodiriana: ROM: 19 [19] - Analamazaotra forest, Périnet: ROM: 13 [13 - **32** - **32**].
26 April 1967: Madagascar: Analamazaotra forest, Périnet: ROM: 19 [19] - Junok: ROM: 290 [290 - **309** - **309**].
27 April 1967: Madagascar: Ambila-Lemaitso: ROM: 3 [3 - **3** - **3**].
28 April 1967: Madagascar: Ambila-Lemaitso: ROM: 8 [8 - **8** - **8**].
1 May 1967: Madagascar: Carion: ROM: 12 [12 - **12** - **12**].
3 May 1967: Madagascar: Fianarantsoa: ROM: 2 [2 - **2** - **2**].
4 May 1967: Madagascar: Fianarantsoa, 18 km SW: ROM: 6 [6 - **6** - **6**].
5 May 1967: Madagascar: Fianarantsoa: ROM: 38 [38 - **38** - **38**].
6 May 1967: Madagascar: Fianarantsoa: ROM: 8 [8 - **8** - **8**].
7 May 1967: Madagascar: Sakaraha: ROM: 18 [18 - **18** - **18**].
8 May 1967: Madagascar: Sakaraha: ROM: 4 [4 - **4** - **4**].
9 May 1967: Madagascar: in a marine cave between Sarodrano and Saint-Augustin: ROM: 26 [26] - Pointe Sarodrano: ROM: 35 [35 - **61** - **61**].
10 May 1967: Madagascar: Pointe Sarodrano: ROM: 18 [18] - Sarodrano: ROM: 19 [19 - **37** - **37**].
11 May 1967: Madagascar: Grotte de Sarondrana [= Sarodrano]: ROM: 1 [1] - Pointe Sarodrano: ROM: 6 [6] - Sarodrano: ROM: 3 [3] - Tuléar airport: ROM: 43 [43 - **53** - **53**].
12 May 1967: Madagascar: Pointe Sarodrano: ROM: 1 [1] - Sarodrano: ROM: 2 [2 - **3** - **3**].
13 May 1967: Madagascar: Maninday: ROM: 2 [2 - **2** - **2**].
14 May 1967: Madagascar: Ihosy, 30 km N: ROM: 4 [4 - **4** - **4**].
16 May 1967: Madagascar: Caves of Manandona, high on mountain side: ROM: 10 [10 - **10** - **10**].
9 August 1967: Kenya: Lake Naivasha: ROM: 64 [64 - **64** - **64**].

Total Specimens for Peterson, Randolph L.; Williams, John George; Glen, Robert M.: 814

Pethneck

Collection Date Unknown: Sudan: Khartoum: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Pethneck: 1

Petiniot

20 September 1973: Niger: Zinder: RMCA: 5 [5 - **5** - **5**].

Total Specimens for Petiniot: 5

Petiniot; Verheyen, Walter N.

25 January 1973: Morocco: Akka: RMCA: 42 [42 - **42** - **42**].
16 February 1973: Algeria: Béni Abbès, 15 km N: RMCA: 1 [1 - **1** - **1**].
16 March 1973: Niger: I-N-Gall: RMCA: 78 [78 - **78** - **78**].
17 March 1973: Niger: I-N-Gall: RMCA: 1 [1 - **1** - **1**].
18 March 1973: Niger: I-N-Gall: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Petiniot; Verheyen, Walter N.: 123

petit Seminaire de St. Francois de Sales

14 July 1953: Congo (Democratic Republic of the): Kakanda Mutaka: RMCA: 2 [2 - **2** - **2**].

Total Specimens for petit Seminaire de St. Francois de Sales: 2

Petit, F.

Collection Date Unknown: Congo: Majumba: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Petit, F.: 1

Petit; Quartier-Dillon

Collection Date Unknown: Ethiopia: Abyssinia: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Petit; Quartier-Dillon: 1

Petrides, George A.
(1 August 1916 - 9 November 2011)

11 May 1957: Uganda: Lake Katwe: MSU: 1 [1 - **1** - **1**].

Total Specimens for Petrides, George A.: 1

Pfleiderer, M.

25 February 1993: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].

Total Specimens for Pfleiderer, M.: 1

Philippart de Foy, Guy

Collection Date Unknown: Cameroon: Dimako: RMCA: 2 [2] - Ngoumé: RMCA: 1 [1 - **3** - **3**].
21 April 1971: Cameroon: Ngoumé: RMCA: 1 [1 - **1** - **1**].
27 June 1971: Cameroon: Ngoumé: RMCA: 1 [1 - **1** - **1**].
6 March 1977: Cameroon: Mesea: RMCA: 12 [12 - **12** - **12**].
7 March 1977: Cameroon: Mesea: RMCA: 4 [4 - **4** - **4**].
10 March 1977: Cameroon: Mesea: RMCA: 1 [1 - **1** - **1**].
13 March 1977: Cameroon: Mesea: RMCA: 2 [2 - **2** - **2**].
14 March 1977: Cameroon: Mesea: RMCA: 1 [1 - **1** - **1**].
17 March 1977: Cameroon: Mesea: RMCA: 2 [2 - **2** - **2**].
18 March 1977: Cameroon: Mesea: RMCA: 1 [1 - **1** - **1**].
27 March 1977: Cameroon: Mesea: RMCA: 6 [6] - Nguilili: RMCA: 1 [1 - **7** - **7**].
28 March 1977: Cameroon: Nguilili: RMCA: 6 [6 - **6** - **6**].
29 March 1977: Cameroon: Nguilili: RMCA: 2 [2 - **2** - **2**].
30 March 1977: Cameroon: Nguilili: RMCA: 1 [1 - **1** - **1**].
31 March 1977: Cameroon: Nguilili: RMCA: 1 [1 - **1** - **1**].
1 April 1977: Cameroon: Nguilili: RMCA: 2 [2 - **2** - **2**].
2 April 1977: Cameroon: Nguilili: RMCA: 2 [2 - **2** - **2**].
21 April 1977: Cameroon: Ngoumé: RMCA: 1 [1 - **1** - **1**].
22 April 1977: Cameroon: Ngoumé: RMCA: 2 [2 - **2** - **2**].
25 April 1977: Cameroon: Ngoumé: RMCA: 2 [2 - **2** - **2**].
26 April 1977: Cameroon: Ngoumé: RMCA: 3 [3 - **3** - **3**].
27 April 1977: Cameroon: Ngoumé: RMCA: 1 [1 - **1** - **1**].
11 May 1977: Cameroon: Dimako: RMCA: 3 [3 - **3** - **3**].
13 May 1977: Cameroon: Dimako: RMCA: 1 [1 - **1** - **1**].
14 May 1977: Cameroon: Dimako: RMCA: 2 [2 - **2** - **2**].
15 May 1977: Cameroon: Dimako: RMCA: 5 [5 - **5** - **5**].
16 May 1977: Cameroon: Dimako: RMCA: 2 [2 - **2** - **2**].
17 May 1977: Cameroon: Dimako: RMCA: 2 [2 - **2** - **2**].
18 May 1977: Cameroon: Dimako: RMCA: 1 [1 - **1** - **1**].
20 May 1977: Cameroon: Dimako: RMCA: 3 [3 - **3** - **3**].
22 May 1977: Cameroon: Dimako: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Philippart de Foy, Guy: 80

Phillips, E.

Collection Date Unknown: Sudan: Wagga, mount: BMNH: 4 [4 - **4** - **4**].
2 March 1897: Sudan: Wagga, mount: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Phillips, E.: 7

Phillips, E.I.

Collection Date Unknown: South Africa: Montague caves: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Phillips, E.I.: 1

Phillips, John Charles
(1876 - 1938)

Collection Date Unknown: Uganda: Kampala: MCZ: 2 [2 - **2** - **2**].
28 January 1913: Sudan: Magangani: MCZ: 1 [1 - **1** - **1**].
1 January 1923: Uganda: Kampala: MCZ: 5 [5] - Lake Edward: MCZ: 2 [2 - **7** - **7**].

Total Specimens for Phillips, John Charles: 10

Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the

13 December 1912: Egypt: Giza: MCZ: 3 [3] - Gizeh: AMNH: 1, FMNH: 1 [2 - **5** - **5**].
28 December 1912: Sudan: Singa: MCZ: 1 [1 - **1** - **1**].
8 January 1913: Sudan: El Garef: MCZ: 1 [1 - **1** - **1**].
9 January 1913: Sudan: El Garef: FMNH: 1, MCZ: 1 [2 - **2** - **2**].
10 January 1913: Sudan: El Garef: MCZ: 3 [3 - **3** - **3**].
16 January 1913: Sudan: Fazogli: MCZ: 1 [1 - **1** - **1**].
19 January 1913: Sudan: Fazogli: MCZ: 3 [3 - **3** - **3**].
20 January 1913: Sudan: Fazogli: MCZ: 1 [1 - **1** - **1**].
22 January 1913: Sudan: Aradeiba: MCZ: 2 [2 - **2** - **2**].
25 January 1913: Sudan: Mangangani: AMNH: 1 [1 - **1** - **1**].
29 January 1913: Sudan: Magangani: MCZ: 1 [1 - **1** - **1**].
1 February 1913: Sudan: El Garef: MCZ: 1 [1 - **1** - **1**].
3 February 1913: Sudan: Bados: MCZ: 1 [1 - **1** - **1**].
4 February 1913: Sudan: Abu Zor: FMNH: 1, MCZ: 3 [4 - **4** - **4**].
5 February 1913: Sudan: Abu Zor: MCZ: 1 [1 - **1** - **1**].
13 December 1913: Egypt: Gizeh: MCZ: 4 [4 - **4** - **4**].

Total Specimens for Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: 32

Phipps; Bradley, Lee S.

29 November 1932: Angola: Humpata: AMNH: 1 [1 - **1** - **1**].
11 February 1933: Angola: Chitau: AMNH: 2 [2 - **2** - **2**].
12 February 1933: Angola: Chitau: AMNH: 1 [1 - **1** - **1**].
13 February 1933: Angola: Chitau: AMNH: 2 [2 - **2** - **2**].
21 February 1933: Angola: Chitau: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Phipps; Bradley, Lee S.: 8

Pickering, F.E.

Collection Date Unknown: Mauritius: Rodrigues: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Pickering, F.E.: 2

Pickford

31 December 1954: Kenya: Kitale: USNM: 1 [1 - **1** - **1**].

Total Specimens for Pickford: 1

Pickwood, R.H.

1 July 1909: Seychelles: Unknown locality: SMF: 1 [1 - **1** - **1**].

Total Specimens for Pickwood, R.H.: 1

Pienaar, Anton; Fernsby, Nigel

18 October 2005: South Africa: Drakensig: TM: 2 [2 - **2** - **2**].

Total Specimens for Pienaar, Anton; Fernsby, Nigel: 2

Pienaar, Uys de Villiers

30 May 1906: South Africa: Matupa Koppie: KNP: 1 [1 - **1** - **1**].
10 November 1959: South Africa: Shingwedzi camp: KNP: 2 [2] - Xingwedzi Rest Camp: KNP: 1 [1 - **3** - **3**].
6 January 1960: South Africa: Hartbees Fontein Camp: KNP: 1 [1 - **1** - **1**].
8 January 1960: South Africa: Punda Maria Rest Camp: KNP: 3 [3 - **3** - **3**].
21 January 1960: South Africa: Pretoriuskop Rest Camp: KNP: 2 [2 - **2** - **2**].
17 March 1960: South Africa: Letaba Restcamp: KNP: 1 [1 - **1** - **1**].
30 May 1960: South Africa: Matupa Koppie: KNP: 3 [3] - Pretoriuskop Section: KNP: 1 [1 - **4** - **4**].
5 June 1960: South Africa: Mbangari Crevice: KNP: 1 [1 - **1** - **1**].
13 December 1960: South Africa: Skukuza: KNP: 4 [4 - **4** - **4**].

17 February 1961: South Africa: Punda Maria: KNP: 1 [1 - **1** - **1**].
25 February 1961: South Africa: Punda Maria: KNP: 3 [3 - **3** - **3**].
22 April 1961: South Africa: Bangu Poort, cave near: KNP: 2 [2 - **2** - **2**].
25 April 1961: South Africa: Matshitshindzudzi: KNP: 1 [1 - **1** - **1**].
18 January 1972: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].
9 March 1979: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].

Total Specimens for Pienaar, Uys de Villiers: 29

Pienaar, Uys de Villiers; Brain, C.K.

24 March 1960: South Africa: Punda Maria: KNP: 2 [2 - **2** - **2**].

Total Specimens for Pienaar, Uys de Villiers; Brain, C.K.: 2

Pienaar, Uys de Villiers; Brynard, A.M.

2 August 1958: South Africa: Xingomeni: KNP: 1 [1 - **1** - **1**].
16 August 1958: South Africa: Skukuza River Bank Rondawels: KNP: 1 [1 - **1** - **1**].
5 September 1958: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].
22 October 1958: South Africa: Machindzweni: KNP: 1 [1 - **1** - **1**].
25 February 1959: South Africa: Skukuza Village: KNP: 1 [1 - **1** - **1**].
26 February 1959: South Africa: Nsemani Windmill: KNP: 1 [1 - **1** - **1**].
1 August 1959: South Africa: Xingomeni: KNP: 1 [1 - **1** - **1**].
2 August 1959: South Africa: Xingomeni: KNP: 2 [2 - **2** - **2**].
3 August 1959: South Africa: N'Wambiya Pan: KNP: 1 [1 - **1** - **1**].

Total Specimens for Pienaar, Uys de Villiers; Brynard, A.M.: 10

Pienaar, Uys de Villiers; Brynard, A.M.; Kloppers, J.J.

7 August 1959: South Africa: Tshokwane: KNP: 3 [3 - **3** - **3**].
8 August 1959: South Africa: Tshokwane: KNP: 1 [1 - **1** - **1**].
25 August 1959: South Africa: Ntswiriri Dam: KNP: 1 [1 - **1** - **1**].
22 October 1959: South Africa: Munywini Cave: KNP: 3 [3 - **3** - **3**].

Total Specimens for Pienaar, Uys de Villiers; Brynard, A.M.; Kloppers, J.J.: 8

Pienaar, Uys de Villiers; Brynard, A.M.; M.O.S.

1 September 1959: South Africa: Skukuza Staff Village: KNP: 3 [3 - **3** - **3**].

Total Specimens for Pienaar, Uys de Villiers; Brynard, A.M.; M.O.S.: 3

Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.

8 June 1959: South Africa: N'Wambu Windmill: KNP: 2 [2 - **2** - **2**].
16 June 1959: South Africa: Byaxixi: KNP: 1 [1 - **1** - **1**].
2 July 1959: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].
5 August 1959: South Africa: N'Wambiya Pan: KNP: 1 [1 - **1** - **1**].
3 September 1959: South Africa: Pretoriuskop: KNP: 1 [1 - **1** - **1**].

Total Specimens for Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: 6

Pienaar, Uys de Villiers; Joubert, S.

6 September 1978: South Africa: Punda Maria Shop: KNP: 1 [1 - **1** - **1**].

Total Specimens for Pienaar, Uys de Villiers; Joubert, S.: 1

Pienaar, Uys de Villiers; Mockford, H.H.

13 February 1961: South Africa: W.N.L.A. Garden, Pafuri: KNP: 1 [1 - **1** - **1**].
23 February 1961: South Africa: W.N.L.A. Garden, Pafuri: KNP: 2 [2 - **2** - **2**].

Total Specimens for Pienaar, Uys de Villiers; Mockford, H.H.: 3

Pienaar, Uys de Villiers; O.P.

Collection Date Unknown: South Africa: Satara Rest Camp: KNP: 1 [1 - **1** - **1**].
20 December 1959: South Africa: Nsemani Windmill: KNP: 1 [1] - Satara Rest Camp: KNP: 1 [1 - **2** - **2**].

Total Specimens for Pienaar, Uys de Villiers; O.P.: 3

Pienaar, Uys de Villiers; P.L.

26 January 1906: South Africa: Hartbees Fontein Camp: KNP: 1 [1 - **1** - **1**].

Total Specimens for Pienaar, Uys de Villiers; P.L.: 1

Pienaar, Uys de Villiers; Stegmann, D.O.

2 April 1959: South Africa: Skukuza staff village: KNP: 1 [1 - **1** - **1**].
9 May 1959: South Africa: Skukuza Koppies: KNP: 1 [1 - **1** - **1**].
15 May 1959: South Africa: Skukuza Koppies: KNP: 3 [3 - **3** - **3**].
13 June 1959: South Africa: Mahlangeni: KNP: 1 [1 - **1** - **1**].
1 July 1959: South Africa: Pretoriuskop Rest Camp: KNP: 4 [4 - **4** - **4**].
24 July 1959: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].

Total Specimens for Pienaar, Uys de Villiers; Stegmann, D.O.: 11

Pienaar, Uys de Villiers; Stegmann, D.O.; Fairall, N.

9 August 1959: South Africa: Pafuri area: KNP: 3 [3 - **3** - **3**].
10 August 1959: South Africa: Punda Maria Rest Camp: KNP: 1 [1 - **1** - **1**].

Total Specimens for Pienaar, Uys de Villiers; Stegmann, D.O.; Fairall, N.: 4

Pierce, R.J.

23 March 1977: Kenya: Kunumara Conference Center: MVZ: 2 [2 - **2** - **2**].

Total Specimens for Pierce, R.J.: 2

Pierrard

Collection Date Unknown: Congo (Democratic Republic of the): Irumu, 25 km W: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Pierrard: 1

Pierrepont, R.S.

20 June 1934: Congo (Democratic Republic of the): Pania-Mutombo: MCZ: 1 [1 - **1** - **1**].
26 June 1934: Congo (Democratic Republic of the): Kasende: MCZ: 1 [1 - **1** - **1**].
5 July 1934: Congo (Democratic Republic of the): Kasende: MCZ: 1 [1 - **1** - **1**].
6 July 1934: Congo (Democratic Republic of the): Kasende: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Pierrepont, R.S.: 4

Pierson, Elizabeth D.

7 August 1984: Egypt: Giza pyramids area: MVZ: 28 [28 - **28** - **28**].

Total Specimens for Pierson, Elizabeth D.: 28

Pietersen, Darren

16 March 2003: South Africa: Farm Fleur de Lys 195KU: TM: 1 [1 - **1** - **1**].

Total Specimens for Pietersen, Darren: 1

Piggott, D.W.I.

1 January 1941: Tanzania: Mafia Island: NMK: 1 [1 - **1** - **1**].

Total Specimens for Piggott, D.W.I.: 1

Pike, A.

Collection Date Unknown: Tanzania: Zanzibar: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Pike, A.: 1

Pike, Nicolas
(26 January 1818: Newburyport - 1905)

Collection Date Unknown: Mauritius: Unknown locality: MCZ: 3 [3 - **3** - **3**].

Total Specimens for Pike, Nicolas: 3

Pilette, André

Collection Date Unknown: "Africa": Unknown locality: RMCA: 1 [1 - **1**].
Congo (Democratic Republic of the): Katanga: RMCA: 4 [4] - Kilomamensa: RMCA: 1 [1 - **5** - **6**].
10 April 1912: Congo (Democratic Republic of the): Boga: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Pilette, André: 7

Pine, R.H.

Collection Date Unknown: Kenya: Masabubu: AMNH: 6 [6 - **6** - **6**].
13 June 1960: Kenya: Galma Galla, 1.5 mi W: AMNH: 3 [3 - **3** - **3**].
18 June 1960: Kenya: Ijara, 4.5 mi SW: AMNH: 5 [5 - **5** - **5**].
21 June 1960: Kenya: Masabubu: AMNH: 2 [2] - Masabubu, 0.5 mi. N-NE: AMNH: 1 [1 - **3** - **3**].
22 June 1960: Kenya: Masabubu, 0.5 mi E: AMNH: 14 [14 - **14** - **14**].
25 June 1960: Kenya: Masabubu: AMNH: 1 [1 - **1** - **1**].
26 June 1960: Kenya: Masabubu: AMNH: 1 [1 - **1** - **1**].
27 June 1960: Kenya: Masabubu: AMNH: 3 [3 - **3** - **3**].
29 June 1960: Kenya: Masabubu: AMNH: 2 [2 - **2** - **2**].
30 June 1960: Kenya: Masabubu: AMNH: 1 [1 - **1** - **1**].
29 July 1960: Kenya: Mwingi, 10 mi. E: AMNH: 6 [6 - **6** - **6**].
5 August 1960: Kenya: Galma Galla, 1 mi W: AMNH: 1 [1 - **1** - **1**].
9 August 1960: Kenya: Galma Galla, 1 mi W: AMNH: 1 [1 - **1** - **1**].
12 August 1960: Kenya: Galma Galla [waterholes]: AMNH: 6 [6 - **6** - **6**].
17 August 1960: Kenya: Malindi: AMNH: 18 [18 - **18** - **18**].

Total Specimens for Pine, R.H.: 71

Pitman, Charles Robert Senhouse
(19 March 1890; Bombay - 18 September 1975)

Collection Date Unknown: Kenya: Trans-Nzoia district: BMNH: 1 [1 - **1**].
Zimbabwe: Malve: BMNH: 1 [1 - **1** - **2**].
9 February 1929: Kenya: Kerio Suk river: BMNH: 1 [1 - **1** - **1**].
3 February 1931: Zambia: Broken Hill: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Pitman, Charles Robert Senhouse: 4

Pitt, D.

31 January 1970: Sierra Leone: Murray Town: ROM: 1 [1 - **1** - **1**].
6 February 1970: Sierra Leone: Kent: ROM: 1 [1 - **1** - **1**].
8 February 1970: Sierra Leone: Kent: ROM: 1 [1 - **1** - **1**].
12 February 1970: Sierra Leone: Kent: ROM: 1 [1 - **1** - **1**].
22 February 1970: Sierra Leone: York: ROM: 1 [1 - **1** - **1**].
14 July 1970: Sierra Leone: Wellington Village: ROM: 3 [3 - **3** - **3**].
15 July 1970: Sierra Leone: Wellington Village: ROM: 1 [1 - **1** - **1**].
6 August 1970: Sierra Leone: Lunsar: ROM: 2 [2 - **2** - **2**].
8 August 1970: Sierra Leone: Lunsar: ROM: 2 [2 - **2** - **2**].
9 August 1970: Sierra Leone: Lunsar: ROM: 1 [1 - **1** - **1**].
15 August 1970: Sierra Leone: Lunsar: ROM: 1 [1 - **1** - **1**].
30 August 1970: Sierra Leone: Aberdeen Village: ROM: 1 [1 - **1** - **1**].
8 September 1970: Sierra Leone: Freetown: ROM: 2 [2 - **2** - **2**].
9 September 1970: Sierra Leone: Freetown: ROM: 1 [1 - **1** - **1**].
14 September 1970: Sierra Leone: Freetown: ROM: 1 [1 - **1** - **1**].
22 September 1970: Sierra Leone: Freetown: ROM: 1 [1 - **1** - **1**].
20 November 1970: Sierra Leone: Lumley Village: ROM: 1 [1 - **1** - **1**].
21 November 1970: Sierra Leone: Lumley Village: ROM: 2 [2 - **2** - **2**].
22 November 1970: Sierra Leone: Lumley Village: ROM: 1 [1 - **1** - **1**].
25 November 1970: Sierra Leone: Mount Aureol: ROM: 5 [5 - **5** - **5**].
26 November 1970: Sierra Leone: Freetown: ROM: 1 [1 - **1** - **1**].
27 November 1970: Sierra Leone: Mount Aureol: ROM: 1 [1 - **1** - **1**].
1 December 1970: Sierra Leone: Cole Farm: ROM: 3 [3 - **3** - **3**].
2 December 1970: Sierra Leone: Cole Farm: ROM: 1 [1 - **1** - **1**].
5 December 1970: Sierra Leone: Cole Farm: ROM: 2 [2 - **2** - **2**].
9 December 1970: Sierra Leone: Cole Farm: ROM: 1 [1 - **1** - **1**].
22 December 1970: Sierra Leone: Freetown: ROM: 1 [1 - **1** - **1**].
3 January 1971: Sierra Leone: 4 Kendall Street: ROM: 1 [1] - Freetown: ROM: 3 [3 - **4** - **4**].

6 January 1971: Sierra Leone: Freetown: ROM: 2 [2 - **2** - **2**].
18 February 1971: Sierra Leone: Freetown: ROM: 1 [1 - **1** - **1**].
1 March 1971: Sierra Leone: Freetown: ROM: 1 [1 - **1** - **1**].
10 March 1971: Sierra Leone: Kissy Village: ROM: 2 [2 - **2** - **2**].
1 July 1971: Sierra Leone: Freetown: ROM: 1 [1 - **1** - **1**].
20 July 1971: Sierra Leone: Freetown: ROM: 1 [1 - **1** - **1**].
3 August 1971: Sierra Leone: Kent: ROM: 1 [1 - **1** - **1**].
5 August 1971: Sierra Leone: Kent: ROM: 2 [2 - **2** - **2**].
6 February 1975: Sierra Leone: Aberdeen Village: ROM: 5 [5 - **5** - **5**].
2 June 1976: Sierra Leone: Glote Village: ROM: 12 [12 - **12** - **12**].
15 July 1976: Sierra Leone: Russel village: ROM: 12 [12 - **12** - **12**].
1 January 1977: Sierra Leone: Hamilton Village: ROM: 17 [17 - **17** - **17**].

Total Specimens for Pitt, D.: 101

Plate

Collection Date Unknown: "Africa": Musa: ZMB: 1 [1 - **1**].
Egypt: "Tor Sinai": ZMB: 1 [1 - **1** - **2**].

Total Specimens for Plate: 2

Pletts, R.E.

28 July 1964: Zimbabwe: Fern Valley: HZM: 1 [1 - **1** - **1**].

Total Specimens for Pletts, R.E.: 1

Plisnier, J.

7 October 1960: Tanzania: Handajega: RBINS: 1 [1 - **1** - **1**].
24 September 1961: Tanzania: Seronera: RBINS: 1 [1 - **1** - **1**].
4 August 1962: Tanzania: Musabi Special Camp: RBINS: 2 [2 - **2** - **2**].
23 August 1962: Tanzania: Grummetti: RBINS: 1 [1 - **1** - **1**].
4 September 1962: Tanzania: Bologonja: RBINS: 1 [1 - **1** - **1**].
5 September 1962: Tanzania: Ngelehek: RBINS: 1 [1 - **1** - **1**].
28 October 1963: Tanzania: Handajega: RBINS: 2 [2 - **2** - **2**].
16 November 1963: Tanzania: Banagi: RBINS: 1 [1 - **1** - **1**].
18 December 1963: Tanzania: Banagi: RBINS: 5 [5 - **5** - **5**].
24 December 1963: Tanzania: Banagi: RBINS: 3 [3 - **3** - **3**].

Total Specimens for Plisnier, J.: 18

Plumptre, A.J.; Mulungu, E.A.

28 February 2007: Congo (Democratic Republic of the): Misotschi-Kabogo highlands: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Plumptre, A.J.; Mulungu, E.A.: 1

Pobéguin, Charles-Henri
(25 February 1856: Valence - 25 June 1951: La-Varenne-Saint-Hilaire)

Collection Date Unknown: Congo (Democratic Republic of the): Bata: MNHN: 1 [1 - **1**].
Guinea: Kouroussa: MNHN: 1 [1 - **1** - **2**].
17 March 1905: Guinea: Kouroussa: MNHN: 2 [2 - **2** - **2**].
27 July 1910: Guinea: Fouta-Djallon: MNHN: 1 [1] - Pita: MNHN: 1 [1] - Pita area: MNHN: 1 [1 - **3** - **3**].

Total Specimens for Pobéguin, Charles-Henri: 7

Pöch, Rudolf

Collection Date Unknown: Namibia: Oas: NMW: 2 [2 - **2** - **2**].
28 March 1908: Namibia: Oas: NMW: 1 [1 - **1** - **1**].

Total Specimens for Pöch, Rudolf: 3

Pöche, R.M.

Collection Date Unknown: Niger: Tapoa: USNM: 1 [1 - **1** - **1**].
19 February 1971: Niger: Tapoa, 29 km S: UCM: 1 [1 - **1** - **1**].
18 February 1972: Niger: Tapoa, 29 km S: UCM: 2 [2 - **2** - **2**].
19 February 1972: Niger: Tapoa, 29 km S: USNM: 1 [1 - **1** - **1**].
22 February 1972: Niger: Tapoa, 1 km N: UCM: 1 [1 - **1** - **1**].
23 February 1972: Niger: Tapoa, 28 km S: UCM: 1 [1 - **1** - **1**].
25 February 1972: Niger: Tapoa: UCM: 1 [1 - **1** - **1**].

7 March 1972: Niger: Tapoa, 21 km E: USNM: 1 [1] - Tapoa, 21 km S: UCM: 1 [1 - **2** - **2**].
9 March 1972: Niger: Talantégou: UCM: 1 [1 - **1** - **1**].
10 March 1972: Niger: Talantégou: USNM: 1 [1 - **1** - **1**].
13 March 1972: Niger: Tapoa: USNM: 1 [1 - **1** - **1**].
15 March 1972: Niger: Talantégou: UCM: 1, USNM: 1 [2] - Tapoa: USNM: 1 [1 - **3** - **3**].
20 March 1972: Niger: Tapoa: UCM: 1 [1 - **1** - **1**].
23 March 1972: Niger: Talantégou: USNM: 1 [1] - Tapoa: UCM: 1, USNM: 3 [4 - **5** - **5**].
24 March 1972: Niger: Tapoa: USNM: 1 [1 - **1** - **1**].
12 April 1972: Niger: Park West: MVZ: 2 [2 - **2** - **2**].
2 May 1972: Niger: Park West: UCM: 1 [1 - **1** - **1**].
6 May 1972: Niger: Park West: UCM: 1, USNM: 2 [3 - **3** - **3**].
12 May 1972: Niger: Tapoa, 2 km E: USNM: 2 [2 - **2** - **2**].
14 May 1972: Niger: Tapoa: USNM: 1 [1 - **1** - **1**].
17 May 1972: Niger: Tapoa, 21 km E: UCM: 1, USNM: 2 [3 - **3** - **3**].
19 May 1972: Niger: Tapoa, 2 km E: UCM: 1, USNM: 4 [5] - Toudou mines: MVZ: 2 [2 - **7** - **7**].
30 January 1977: Niger: Tenda: MVZ: 13 [13 - **13** - **13**].
12 May 1977: Niger: Bolsi, 6 km NW: MVZ: 3 [3] - Toudou mines: MVZ: 11 [11 - **14** - **14**].
25 May 1977: Niger: Niamey: MVZ: 8 [8 - **8** - **8**].
24 July 1977: Niger: Niamey: MVZ: 2 [2 - **2** - **2**].
4 August 1977: Niger: Niamey: MVZ: 3 [3 - **3** - **3**].

Total Specimens for Pöche, R.M.: 82

Pócs, Tamas

Collection Date Unknown: Tanzania: Morogoro: HNHM: 10 [10 - **10** - **10**].

Total Specimens for Pócs, Tamas: 10

Poelman, J.

22 August 1969: Congo (Democratic Republic of the): Kasapa: RBINS: 4 [4 - **4** - **4**].

Total Specimens for Poelman, J.: 4

Poelman, L.

Collection Date Unknown: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 12 [12 - **12** - **12**].
24 March 1966: Congo (Democratic Republic of the): Lubumbashi: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Poelman, L.: 13

Pole Evans, G.E.

2 July 1947: South Africa: Dongolakop: TM: 1 [1 - **1** - **1**].

Total Specimens for Pole Evans, G.E.: 1

Pole Evans, I.B.

Collection Date Unknown: South Africa: Dongolakop: TM: 1 [1 - **1** - **1**].
30 July 1945: South Africa: Dongolakop: TM: 1 [1 - **1** - **1**].
2 July 1947: South Africa: Dongolakop: TM: 1 [1 - **1** - **1**].

Total Specimens for Pole Evans, I.B.: 3

Poll, Max

27 June 1947: Congo (Democratic Republic of the): Maka: RMCA: 1 [1 - **1** - **1**].
16 July 1947: Congo (Democratic Republic of the): Elila: RMCA: 1 [1 - **1** - **1**].
1 August 1956: Congo (Democratic Republic of the): Lula: RMCA: 16 [16 - **16** - **16**].
6 August 1956: Congo (Democratic Republic of the): Lula: RMCA: 3 [3 - **3** - **3**].
10 August 1956: Congo (Democratic Republic of the): Lula: RMCA: 7 [7 - **7** - **7**].
25 August 1956: Congo (Democratic Republic of the): Tshibaka: RMCA: 1 [1 - **1** - **1**].
1 September 1956: Congo (Democratic Republic of the): Epulu: RMCA: 5 [5 - **5** - **5**].
21 September 1956: Congo (Democratic Republic of the): Epulu: RMCA: 3 [3 - **3** - **3**].
24 September 1956: Congo (Democratic Republic of the): Epulu: RMCA: 1 [1 - **1** - **1**].
1 October 1956: Congo (Democratic Republic of the): Epulu: RMCA: 2 [2 - **2** - **2**].
1 November 1956: Congo (Democratic Republic of the): Gangala na Bodio: RMCA: 4 [4 - **4** - **4**].
14 November 1956: Congo (Democratic Republic of the): Gangala na Bodio: RMCA: 1 [1 - **1** - **1**].
1 December 1956: Congo (Democratic Republic of the): Gangala na Bodio: RMCA: 4 [4 - **4** - **4**].
6 December 1956: Congo (Democratic Republic of the): Gangala na Bodio: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Poll, Max: 50

Pollen, F.

Collection Date Unknown: Mayotte: Mayotte: RMNH: 1, ZMB: 2 [3 - **3**].
Réunion: Réunion Island: ZMB: 2 [2 - **2** - **5**].

Total Specimens for Pollen, F.: 5

Pomeroy, A.W.J.

6 June 1910: Tanzania: Dar es Salaam: FMNH: 1 [1 - **1** - **1**].
6 June 1918: Tanzania: Dar es Salaam: RMCA: 4 [4 - **4** - **4**].

Total Specimens for Pomeroy, A.W.J.: 5

Poppleton, F.

30 October 1959: Uganda: Mweya: HZM: 2 [2 - **2** - **2**].

Total Specimens for Poppleton, F.: 2

Porter, B.

22 February 1996: South Africa: Hella Hella Game Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Porter, B.: 1

Porter, Calvin A.

1 January 2002: Gabon: Ossengue Camp site: USNM: 1 [1 - **1** - **1**].
20 February 2002: Gabon: Ossengue Camp site: USNM: 3 [3 - **3** - **3**].
22 February 2002: Gabon: Ossengue Camp site: USNM: 3 [3] - Rabi Oil Field: USNM: 3 [3 - **6** - **6**].
24 February 2002: Gabon: M'Bari site: USNM: 1 [1 - **1** - **1**].
25 February 2002: Gabon: M'Bari site: USNM: 1 [1] - Rabi Oil Field, 3 km N airport terminal: USNM: 1 [1 - **2** - **2**].
26 February 2002: Gabon: Rabi Oil Field, 3 km N airport terminal: USNM: 5 [5 - **5** - **5**].
27 February 2002: Gabon: Rabi Oil Field: USNM: 1 [1] - Rabi Oil Field, 3 km N airport terminal: USNM: 1 [1] - Rabi Oil Field, 6 km N airport terminal: USNM: 1 [1 - **3** - **3**].
2 March 2002: Gabon: Rabi Oil Field: USNM: 1 [1] - Toucan Site: USNM: 2 [2 - **3** - **3**].
4 March 2002: Gabon: Toucan Site: USNM: 3 [3 - **3** - **3**].
6 March 2002: Gabon: Rabi 59 site: USNM: 1 [1 - **1** - **1**].
7 March 2002: Gabon: Rabi 59 site: USNM: 3 [3 - **3** - **3**].
10 March 2002: Gabon: Rabi Oil Field, 6 km N airport terminal: USNM: 3 [3 - **3** - **3**].
11 March 2002: Gabon: Ossengue Camp site: USNM: 4 [4 - **4** - **4**].
14 March 2002: Gabon: M'Bari site: USNM: 1 [1] - Ossengue Camp site: USNM: 1 [1 - **2** - **2**].

Total Specimens for Porter, Calvin A.: 40

Porter, I.M.

25 December 1984: South Africa: Lister Point: TM: 1 [1 - **1** - **1**].

Total Specimens for Porter, I.M.: 1

Porter, R.N.

Collection Date Unknown: South Africa: Craigadam: TM: 1 [1 - **1** - **1**].
26 June 1987: South Africa: Hilton: TM: 1 [1 - **1** - **1**].

Total Specimens for Porter, R.N.: 2

Porzecanski, Ana Luz

16 June 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
23 June 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].
26 June 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Porzecanski, Ana Luz: 4

Potgieter

7 April 1970: South Africa: midtown: TM: 1 [1 - **1** - **1**].

Total Specimens for Potgieter: 1

Poulay

Collection Date Unknown: Comoros: Anjouan Island: NMW: 2 [2 - **2** - **2**].

Total Specimens for Poulay: 2

Poutrin, Léon
(1880 - 11 November 1918)

Collection Date Unknown: Chad: Zamia: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Poutrin, Léon: 1

Powell, W.

11 March 1915: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
19 April 1915: South Africa: Farm Rooikrans [=Rooikranz] 538: TM: 1 [1 - **1** - **1**].
21 April 1915: South Africa: Farm Rooikrans [=Rooikranz] 538: TM: 1 [1 - **1** - **1**].
22 April 1915: South Africa: Farm Rooikranz 538: TM: 1 [1 - **1** - **1**].
23 April 1915: South Africa: Farm Rooikrans [=Rooikranz] 538: TM: 1 [1 - **1** - **1**].
25 April 1915: South Africa: Farm Rooikrans [=Rooikranz] 538: TM: 2 [2 - **2** - **2**].
26 April 1915: South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: TM: 1 [1] - Farm Rooikrans [=Rooikranz] 538: TM: 4 [4 - **5** - **5**].
20 May 1915: South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: TM: 1 [1 - **1** - **1**].
24 May 1915: South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: TM: 1 [1 - **1** - **1**].
25 May 1915: South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: TM: 1 [1 - **1** - **1**].
26 May 1915: South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: TM: 8 [8 - **8** - **8**].
27 May 1915: South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: TM: 2 [2 - **2** - **2**].
28 May 1915: South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: TM: 7 [7 - **7** - **7**].
29 May 1915: South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: TM: 3 [3 - **3** - **3**].
25 June 1915: South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: TM: 1 [1 - **1** - **1**].
19 July 1915: South Africa: Farm Fairfield 306: TM: 1 [1 - **1** - **1**].
29 July 1915: South Africa: Farm Fairfield 306: TM: 1 [1 - **1** - **1**].

Total Specimens for Powell, W.: 38

Powell; Shortridge, Guy Chester

Collection Date Unknown: Zambia: Monze: BMNH: 4, KM: 5 [9 - **9** - **9**].

Total Specimens for Powell; Shortridge, Guy Chester: 9

Powell-Cotton Museum, The

25 May 1935: Cameroon: Batowri district: BMNH: 5 [5 - **5** - **5**].

Total Specimens for Powell-Cotton Museum, The: 5

Powell-Cotton, Percy Horace Gordon
(20 September 1866: Garlinge - 24 June 1940)

23 September 1932: Cameroon: Batouri district: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Powell-Cotton, Percy Horace Gordon: 2

Praed

Collection Date Unknown: "Africa": Isavo swamp: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Praed: 1

Prep Lab Catalogue

8 February 1995: Uganda: Bwindi-Impenetrable National Park: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Prep Lab Catalogue: 1

Pretorius, B.

29 November 1978: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].

Total Specimens for Pretorius, B.: 1

Pretorius, H.

Collection Date Unknown: South Africa: Potgietersrus: TM: 2 [2 - **2** - **2**].

Total Specimens for Pretorius, H.: 2

Pretorius, J.J.L.

31 March 1969: South Africa: Zwartkop cave: USNM: 1 [1 - **1** - **1**].
1 April 1969: South Africa: Groenkloof: USNM: 1 [1 - **1** - **1**].
11 April 1969: South Africa: Farm Commissiesdrift 327JQ [=Commisiondrift]: USNM: 9 [9 - **9** - **9**].
25 April 1969: South Africa: Kleinfontein: USNM: 8 [8 - **8** - **8**].
27 April 1969: South Africa: Kleinfontein: USNM: 2 [2 - **2** - **2**].
19 May 1969: South Africa: Gardenia: USNM: 8 [8] - Newcastle, 10 mi S: USNM: 37 [37 - **45** - **45**].
17 June 1969: South Africa: Onderdownes Wes: USNM: 1 [1 - **1** - **1**].
27 September 1969: South Africa: Farm Tenbosch 112JU: USNM: 8 [8 - **8** - **8**].

Total Specimens for Pretorius, J.J.L.: 75

Preuss, P.

Collection Date Unknown: Cameroon: Unknown locality: ZMB: 2 [2] - Buéa: ZMB: 2 [2] - Victoria: ZMB: 33 [33 - **37** - **37**].

Total Specimens for Preuss, P.: 37

Prévost, J.

Collection Date Unknown: Cameroon: Buéa: MNHN: 1 [1] - Kribi: MNHN: 10 [10] - Mount Manengouba: MNHN: 10 [10] - Yaounde: MNHN: 37 [37] - Yoko, 5 km S: MNHN: 3 [3 - **61**].
Sudan: Sennar: RBINS: 1 [1 - **1** - **62**].
28 February 1973: Cameroon: Yaounde: MNHN: 24 [24 - **24** - **24**].
5 March 1973: Cameroon: Yaounde: MNHN: 9 [9 - **9** - **9**].
16 April 1973: Cameroon: Kribi: MNHN: 1 [1 - **1** - **1**].
17 April 1973: Cameroon: Kribi: MNHN: 2 [2 - **2** - **2**].
5 May 1973: Cameroon: Nkolbisson: MNHN: 2 [2 - **2** - **2**].
19 May 1973: Cameroon: Koutaba: MNHN: 2 [2 - **2** - **2**].
20 May 1973: Cameroon: Koutaba: MNHN: 2 [2 - **2** - **2**].
22 May 1973: Cameroon: Kounden: MNHN: 1 [1 - **1** - **1**].
2 October 1973: Cameroon: Buéa: MNHN: 10 [10 - **10** - **10**].
23 October 1973: Cameroon: Yaounde: MNHN: 1 [1 - **1** - **1**].
28 October 1973: Cameroon: Buéa: MNHN: 1 [1 - **1** - **1**].
11 November 1973: Cameroon: Ntui: MNHN: 5 [5] - Ntui, 11 km N: MNHN: 2 [2] - Ntui, 7 km N: MNHN: 4 [4 - **11** - **11**].
23 November 1973: Cameroon: Yaounde: MNHN: 1 [1 - **1** - **1**].
30 November 1973: Cameroon: Mount Manengouba: MNHN: 1 [1 - **1** - **1**].
19 January 1974: Cameroon: Yoko, 5 km S: MNHN: 3 [3 - **3** - **3**].
22 January 1974: Cameroon: Yoko, 15 km S: MNHN: 1 [1 - **1** - **1**].
4 September 1978: Cameroon: Mount Manengouba: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Prévost, J.: 135

Prigogine, Alexandre
(1913 - May 1991)

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1] - Butembo: RMCA: 7 [7 - **8** - **8**].
30 January 1949: Congo (Democratic Republic of the): Karibumba: RMCA: 4 [4 - **4** - **4**].
30 March 1949: Congo (Democratic Republic of the): Lutunguru: RMCA: 1 [1 - **1** - **1**].
5 April 1949: Congo (Democratic Republic of the): Lutunguru: RMCA: 1 [1 - **1** - **1**].
6 July 1949: Congo (Democratic Republic of the): Lutunguru: RMCA: 1 [1 - **1** - **1**].
4 August 1949: Congo (Democratic Republic of the): Lutunguru: RMCA: 1 [1 - **1** - **1**].
25 May 1950: Congo (Democratic Republic of the): Lubango: RMCA: 1 [1 - **1** - **1**].
24 July 1950: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
13 September 1950: Congo (Democratic Republic of the): Luiko: RMCA: 1 [1 - **1** - **1**].
2 December 1950: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
21 December 1950: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
19 April 1951: Congo (Democratic Republic of the): Kitwabaluzi: RMCA: 2 [2 - **2** - **2**].
16 February 1952: Congo (Democratic Republic of the): Lutunguru: RMCA: 1 [1 - **1** - **1**].
20 July 1952: Congo (Democratic Republic of the): Kagada: RMCA: 1 [1 - **1** - **1**].
9 October 1953: Congo (Democratic Republic of the): Lulimba: RMCA: 1 [1 - **1** - **1**].

4 July 1954: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
2 August 1954: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
20 August 1954: Congo (Democratic Republic of the): Miki: RMCA: 1 [1 - **1** - **1**].
1 December 1956: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
18 February 1957: Congo (Democratic Republic of the): Kabobo, mount: RMCA: 1 [1 - **1** - **1**].
11 July 1958: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
24 February 1960: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
14 March 1960: Congo (Democratic Republic of the): Kitutu: RMCA: 1 [1 - **1** - **1**].
25 May 1960: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
1 November 1961: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
5 April 1962: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
9 November 1962: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
24 November 1962: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
26 November 1962: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
2 February 1963: Congo (Democratic Republic of the): Kiloboze: RMCA: 1 [1 - **1** - **1**].
26 July 1963: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
15 November 1963: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
11 December 1963: Congo (Democratic Republic of the): Kamituga: RMCA: 4 [4 - **4** - **4**].
6 January 1964: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
11 January 1964: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
12 January 1964: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
17 January 1964: Congo (Democratic Republic of the): Isoga: RMCA: 1 [1 - **1** - **1**].
31 January 1964: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
1 February 1964: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
6 February 1964: Congo (Democratic Republic of the): Kitutu: RMCA: 1 [1 - **1** - **1**].
14 February 1964: Congo (Democratic Republic of the): Kitutu: RMCA: 1 [1 - **1** - **1**].
15 February 1964: Congo (Democratic Republic of the): Kitutu: RMCA: 1 [1 - **1** - **1**].
17 February 1964: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
20 February 1964: Congo (Democratic Republic of the): Kamituga: RMCA: 5 [5 - **5** - **5**].
21 February 1964: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
1 March 1964: Congo (Democratic Republic of the): Kitutu: RMCA: 1 [1 - **1** - **1**].
6 March 1964: Congo (Democratic Republic of the): Kailo: RMCA: 1 [1 - **1** - **1**].
20 March 1964: Congo (Democratic Republic of the): Kamituga: RMCA: 2 [2 - **2** - **2**].
24 May 1964: Congo (Democratic Republic of the): Kiliza: RMCA: 1 [1 - **1** - **1**].
25 May 1964: Congo (Democratic Republic of the): Kiliza: RMCA: 3 [3 - **3** - **3**].
26 May 1964: Congo (Democratic Republic of the): Kiliza: RMCA: 2 [2 - **2** - **2**].
3 June 1964: Congo (Democratic Republic of the): Kitongo: RMCA: 1 [1 - **1** - **1**].
4 June 1964: Congo (Democratic Republic of the): Kitongo: RMCA: 1 [1 - **1** - **1**].
10 June 1964: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
16 July 1964: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
9 August 1964: Congo (Democratic Republic of the): Kakanda cave: RMCA: 1 [1 - **1** - **1**].
12 August 1964: Congo (Democratic Republic of the): Kakanda cave: RMCA: 1 [1 - **1** - **1**].
13 August 1964: Congo (Democratic Republic of the): Kakanda cave: RMCA: 1 [1 - **1** - **1**].
21 August 1964: Congo (Democratic Republic of the): Kakanda cave: RMCA: 1 [1 - **1** - **1**].
29 August 1964: Congo (Democratic Republic of the): Kakanda cave: RMCA: 1 [1 - **1** - **1**].
11 December 1964: Congo (Democratic Republic of the): Kamituga: RMCA: 2 [2 - **2** - **2**].
22 January 1965: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
24 January 1965: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
28 January 1965: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
22 February 1965: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
24 February 1965: Congo (Democratic Republic of the): Mbelekelo: RMCA: 1 [1 - **1** - **1**].
17 March 1965: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
19 July 1965: Congo (Democratic Republic of the): Idjwi, Island: RMCA: 2 [2 - **2** - **2**].
8 October 1965: Congo (Democratic Republic of the): Mulungu: RMCA: 1 [1 - **1** - **1**].
31 December 1965: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
17 January 1966: Congo (Democratic Republic of the): Kiliza: RMCA: 1 [1 - **1** - **1**].
11 March 1966: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
22 March 1966: Congo (Democratic Republic of the): Kakanda cave: RMCA: 3 [3 - **3** - **3**].
10 June 1966: Congo (Democratic Republic of the): Topetope: RMCA: 1 [1 - **1** - **1**].
18 June 1966: Congo (Democratic Republic of the): Topetope: RMCA: 1 [1 - **1** - **1**].
4 July 1966: Congo (Democratic Republic of the): Topetope: RMCA: 1 [1 - **1** - **1**].
5 July 1966: Congo (Democratic Republic of the): Topetope: RMCA: 1 [1 - **1** - **1**].
8 July 1966: Congo (Democratic Republic of the): Topetope: RMCA: 1 [1 - **1** - **1**].
9 July 1966: Congo (Democratic Republic of the): Topetope: RMCA: 2 [2 - **2** - **2**].
10 July 1966: Congo (Democratic Republic of the): Topetope: RMCA: 1 [1 - **1** - **1**].
13 July 1966: Congo (Democratic Republic of the): Kamituga: RMCA: 2 [2 - **2** - **2**].
23 August 1966: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
21 September 1966: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
23 September 1966: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
6 October 1966: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
25 October 1966: Congo (Democratic Republic of the): Kilemue: RMCA: 2 [2 - **2** - **2**].
4 February 1967: Congo (Democratic Republic of the): Mwenge: RMCA: 1 [1 - **1** - **1**].
5 February 1967: Congo (Democratic Republic of the): Mwenge: RMCA: 1 [1 - **1** - **1**].
8 February 1967: Congo (Democratic Republic of the): Mwenge: RMCA: 1 [1 - **1** - **1**].
21 March 1967: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
25 March 1967: Congo (Democratic Republic of the): Kamituga: RMCA: 2 [2 - **2** - **2**].

26 March 1967: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
27 March 1967: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
30 March 1967: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
31 March 1967: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
1 April 1967: Congo (Democratic Republic of the): Lwiro: RMCA: 1 [1 - **1** - **1**].
4 April 1967: Congo (Democratic Republic of the): Lwiro: RMCA: 1 [1 - **1** - **1**].
6 April 1967: Congo (Democratic Republic of the): Lwiro: RMCA: 2 [2 - **2** - **2**].
28 April 1967: Congo (Democratic Republic of the): Lwiro: RMCA: 1 [1 - **1** - **1**].
7 June 1967: Congo (Democratic Republic of the): Mumba: RMCA: 1 [1 - **1** - **1**].
3 March 1968: Zambia: Fort Roseberry - Lubumbashi, between: RMCA: 1 [1 - **1** - **1**].
11 November 1968: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
4 December 1968: Congo (Democratic Republic of the): Kingulube: RMCA: 1 [1 - **1** - **1**].
14 December 1968: Congo (Democratic Republic of the): Kingulube: RMCA: 1 [1 - **1** - **1**].
25 July 1969: Congo (Democratic Republic of the): Idjwi, Island: RMCA: 1 [1 - **1** - **1**].
23 August 1969: Congo (Democratic Republic of the): Idjwi, Island: RMCA: 1 [1 - **1** - **1**].
26 August 1969: Congo (Democratic Republic of the): Idjwi, Island: RMCA: 1 [1 - **1** - **1**].
16 September 1969: Congo (Democratic Republic of the): Idjwi, Island: RMCA: 1 [1 - **1** - **1**].
8 January 1970: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
13 January 1970: Congo (Democratic Republic of the): Kasebere: RMCA: 1 [1 - **1** - **1**].
14 February 1970: Congo (Democratic Republic of the): Kasebere: RMCA: 2 [2 - **2** - **2**].
4 May 1970: Congo (Democratic Republic of the): Mule: RMCA: 1 [1 - **1** - **1**].
12 May 1970: Congo (Democratic Republic of the): Mule: RMCA: 1 [1 - **1** - **1**].
12 June 1970: Congo (Democratic Republic of the): Bitale: RMCA: 1 [1 - **1** - **1**].
14 June 1970: Congo (Democratic Republic of the): Bitale: RMCA: 2 [2 - **2** - **2**].
18 June 1970: Congo (Democratic Republic of the): Kasebere: RMCA: 1 [1 - **1** - **1**].
21 June 1970: Congo (Democratic Republic of the): Bitale: RMCA: 1 [1 - **1** - **1**].
25 June 1970: Congo (Democratic Republic of the): Kasebere: RMCA: 1 [1 - **1** - **1**].
12 October 1970: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
16 November 1970: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
1 December 1970: Congo (Democratic Republic of the): Kasebere: RMCA: 1 [1] - Maboya: RMCA: 1 [1 - **2** - **2**].
2 December 1970: Congo (Democratic Republic of the): Kasebere: RMCA: 1 [1 - **1** - **1**].
3 December 1970: Congo (Democratic Republic of the): Kasebere: RMCA: 1 [1 - **1** - **1**].
8 December 1970: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
25 December 1970: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
9 January 1971: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
21 January 1971: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
22 January 1971: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
23 January 1971: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
31 January 1971: Congo (Democratic Republic of the): Maboya: RMCA: 2 [2 - **2** - **2**].
2 February 1971: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
14 February 1971: Congo (Democratic Republic of the): Maboya: RMCA: 2 [2 - **2** - **2**].
7 March 1971: Congo (Democratic Republic of the): Masibingi: RMCA: 1 [1 - **1** - **1**].
9 March 1971: Congo (Democratic Republic of the): Luberezi: RMCA: 1 [1 - **1** - **1**].
10 March 1971: Congo (Democratic Republic of the): Maboya: RMCA: 1 [1 - **1** - **1**].
16 March 1971: Congo (Democratic Republic of the): Ndomo: RMCA: 1 [1 - **1** - **1**].
18 March 1971: Congo (Democratic Republic of the): Ndomo: RMCA: 1 [1 - **1** - **1**].
20 March 1971: Congo (Democratic Republic of the): Masibingi: RMCA: 1 [1 - **1** - **1**].
24 April 1971: Congo (Democratic Republic of the): Kasebere: RMCA: 1 [1 - **1** - **1**].
1 July 1971: Congo (Democratic Republic of the): Bukavu: RMCA: 1 [1 - **1** - **1**].
11 September 1971: Congo (Democratic Republic of the): Kakanda cave: RMCA: 1 [1 - **1** - **1**].
29 November 1971: Congo (Democratic Republic of the): Mwenga: RMCA: 1 [1 - **1** - **1**].
4 January 1972: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
10 January 1972: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
12 January 1973: Congo (Democratic Republic of the): Kiloboze: RMCA: 1 [1 - **1** - **1**].
16 January 1973: Congo (Democratic Republic of the): Byonga: RMCA: 1 [1 - **1** - **1**].
11 February 1973: Congo (Democratic Republic of the): Kamusimbi: RMCA: 1 [1 - **1** - **1**].
6 April 1973: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
26 April 1973: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
11 July 1974: Congo (Democratic Republic of the): Kamituga: RMCA: 1 [1 - **1** - **1**].
11 February 1975: Congo (Democratic Republic of the): Kiligi: RMCA: 2 [2 - **2** - **2**].
12 April 1975: Congo (Democratic Republic of the): Kilibozi: RMCA: 1 [1 - **1** - **1**].
15 May 1975: Congo (Democratic Republic of the): Kibanda: RMCA: 2 [2 - **2** - **2**].
22 April 1978: Congo (Democratic Republic of the): Munga: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Prigogine, Alexandre: 192

Pringle, J.A.

1 March 1939: South Africa: Uitenhage district: HZM: 1 [1 - **1** - **1**].
29 June 1940: South Africa: Port Elizabeth: HZM: 1 [1 - **1** - **1**].
1 July 1940: South Africa: Port Elizabeth: HZM: 1 [1 - **1** - **1**].

Total Specimens for Pringle, J.A.: 3

Prior, K.H.

30 June 1936: Angola: Dondi: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Prior, K.H.: 1

Project Beatra

10 July 2005: Congo (Democratic Republic of the): Lurhogole Swamp area: FMNH: 1 [1 - **1** - **1**].
21 July 2005: Congo (Democratic Republic of the): Musisi Swamp area: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Project Beatra: 2

Prozesky, Hans

27 September 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 10 [10 - **10** - **10**].
28 September 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 22 [22 - **22** - **22**].

Total Specimens for Prozesky, Hans: 32

Prozesky, O.P.M.

29 September 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 9 [9 - **9** - **9**].
3 October 1961: Botswana: Drotsky's [= Drodsky] Caves: USNM: 6 [6 - **6** - **6**].
18 February 1965: South Africa: Farm Rykvoorby 96: TM: 1 [1 - **1** - **1**].
1 July 1974: South Africa: Tambotieskloof, Farm 601: TM: 1 [1 - **1** - **1**].

Total Specimens for Prozesky, O.P.M.: 17

Prozesky, O.P.M.;Coetzee, C.G.;White, A.G.;Haacke, W.;Goode, G.;Stenyard, U.;Tuli Block Exp., the

16 June 1964: Botswana: Tuli Block, Gesond Ltd: TM: 1 [1 - **1** - **1**].
17 June 1964: Botswana: Tuli Block, Gesond Ltd: TM: 3 [3 - **3** - **3**].
19 June 1964: Botswana: Tuli Block, Gesond Ltd: TM: 1 [1 - **1** - **1**].

Total Specimens for Prozesky, O.P.M.;Coetzee, C.G.;White, A.G.;Haacke, W.;Goode, G.;Stenyard, U.;Tuli Block Exp., the: 5

Puissant

Collection Date Unknown: Congo (Democratic Republic of the): Luluabourg: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Puissant: 1

Pujol, Raymond

Collection Date Unknown: Central African Republic: Boukoko: MNHN: 1 [1] - La Maboké: MNHN: 3 [3] - M'Baiki: HNHM: 1 [1 - **5** - **5**].
1 November 1964: Central African Republic: Boukoko: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Pujol, Raymond: 7

Pujol, Raymond; Teocchi, Pierre

10 May 1966: Central African Republic: La Maboké: MNHN: 44 [44 - **44** - **44**].

Total Specimens for Pujol, Raymond; Teocchi, Pierre: 44

Pulitzer, Ralph

17 January 1931: Angola: Chitau: CM: 1 [1 - **1** - **1**].

Total Specimens for Pulitzer, Ralph: 1

Purnell, W.

22 August 1931: South Africa: Kleinpoort: TM: 1 [1 - **1** - **1**].

Total Specimens for Purnell, W.: 1

Purvis, Martin

Collection Date Unknown: Kenya: Lake Naivasha: LACM: 2 [2] - Nairobi: LACM: 1 [1] - Rift Valley: LACM: 1 [1 - **4** - **4**].

Total Specimens for Purvis, Martin: 4

Püschel

Collection Date Unknown: Namibia: Spitzkopje: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Püschel: 1

Putnam

Collection Date Unknown: Congo (Democratic Republic of the): Bunia: RMCA: 6 [6 - **6** - **6**].

Total Specimens for Putnam: 6

Puylaert, Firmin A.; Elsen, P.

22 July 1971: Cameroon: Garoua: RMCA: 26 [26 - **26** - **26**].
26 July 1971: Cameroon: Waza: RMCA: 36 [36 - **36** - **36**].
27 July 1971: Cameroon: Waza: RMCA: 33 [33 - **33** - **33**].
28 July 1971: Cameroon: Waza: RMCA: 65 [65 - **65** - **65**].
29 July 1971: Cameroon: Waza: RMCA: 37 [37 - **37** - **37**].
30 July 1971: Cameroon: Waza: RMCA: 1 [1 - **1** - **1**].
3 August 1971: Cameroon: Yagoua: RMCA: 14 [14 - **14** - **14**].
4 August 1971: Cameroon: Yagoua: RMCA: 11 [11 - **11** - **11**].
5 August 1971: Cameroon: Yagoua: RMCA: 35 [35 - **35** - **35**].
6 August 1971: Cameroon: Yagoua: RMCA: 22 [22 - **22** - **22**].
7 August 1971: Cameroon: Ngaoundéré: RMCA: 1 [1] - Yagoua: RMCA: 13 [13 - **14** - **14**].
15 August 1971: Cameroon: Galim: RMCA: 10 [10 - **10** - **10**].
16 August 1971: Cameroon: Galim: RMCA: 12 [12 - **12** - **12**].
17 August 1971: Cameroon: Galim: RMCA: 5 [5 - **5** - **5**].
18 August 1971: Cameroon: Galim: RMCA: 7 [7 - **7** - **7**].
19 August 1971: Cameroon: Galim: RMCA: 15 [15 - **15** - **15**].
20 August 1971: Cameroon: Galim: RMCA: 5 [5 - **5** - **5**].
21 August 1971: Cameroon: Galim: RMCA: 8 [8 - **8** - **8**].
22 August 1971: Cameroon: Galim: RMCA: 12 [12 - **12** - **12**].
23 August 1971: Cameroon: Galim: RMCA: 8 [8 - **8** - **8**].
24 August 1971: Cameroon: Galim: RMCA: 6 [6 - **6** - **6**].
25 August 1971: Cameroon: Galim: RMCA: 9 [9 - **9** - **9**].
26 August 1971: Cameroon: Galim: RMCA: 14 [14 - **14** - **14**].
31 August 1971: Cameroon: Djohong: RMCA: 1 [1 - **1** - **1**].
2 September 1971: Cameroon: Djohong: RMCA: 2 [2 - **2** - **2**].
3 September 1971: Cameroon: Djohong: RMCA: 8 [8 - **8** - **8**].
4 September 1971: Cameroon: Djohong: RMCA: 35 [35 - **35** - **35**].
5 September 1971: Cameroon: Djohong: RMCA: 28 [28 - **28** - **28**].
6 September 1971: Cameroon: Djohong: RMCA: 1 [1 - **1** - **1**].
12 September 1971: Cameroon: Olounou: RMCA: 1 [1 - **1** - **1**].
13 September 1971: Cameroon: Olounou: RMCA: 1 [1 - **1** - **1**].
14 September 1971: Cameroon: Olounou: RMCA: 3 [3 - **3** - **3**].
16 September 1971: Cameroon: Olounou: RMCA: 1 [1 - **1** - **1**].
17 September 1971: Cameroon: Olounou: RMCA: 2 [2 - **2** - **2**].
18 September 1971: Cameroon: Olounou: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Puylaert, Firmin A.; Elsen, P.: 489

Pye, J.D.

1 January 1965: Uganda: Kampala: BMNH: 1 [1 - **1** - **1**].
1 November 1965: Nigeria: Ibadan: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Pye, J.D.: 2

Quarré

Collection Date Unknown: Congo (Democratic Republic of the): Elisabethville: RMCA: 3 [3 - **3** - **3**].
1 March 1932: Congo (Democratic Republic of the): Lovoi: RMCA: 1 [1 - **1** - **1**].
1 January 1934: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Quarré: 5

Queeny, Edgar M.

Collection Date Unknown: Kenya: Mara River: AMNH: 3 [3 - **3**].
South Sudan: Juba: AMNH: 3 [3 - **3** - **6**].
10 January 1950: Kenya: Mara River: AMNH: 8 [8 - **8** - **8**].
11 January 1950: Kenya: Mara River: AMNH: 1 [1 - **1** - **1**].
24 January 1950: Kenya: Kibwezi, 30 mi NNE: AMNH: 1 [1] - Kibwezi, near: AMNH: 10 [10 - **11** - **11**].
25 January 1950: Kenya: Kibwezi: AMNH: 2 [2] - Kibwezi, 30 mi NNE: AMNH: 1 [1] - Kibwezi, near: AMNH: 4 [4 - **7** - **7**].
5 February 1950: Kenya: Namanga: AMNH: 1 [1] - Namanga, near: AMNH: 1 [1 - **2** - **2**].
6 February 1950: Kenya: Namanga, near: AMNH: 1 [1 - **1** - **1**].
8 February 1950: Kenya: Namanga: AMNH: 1 [1 - **1** - **1**].
12 February 1950: Kenya: Bahati [policepost]: AMNH: 9 [9 - **9** - **9**].
13 February 1950: Kenya: Busia: AMNH: 13 [13 - **13** - **13**].
16 February 1950: Uganda: Entebbe: AMNH: 2 [2] - Entebbe, near: AMNH: 1 [1 - **3** - **3**].
17 February 1950: Uganda: Entebbe: AMNH: 1 [1] - Entebbe, near: AMNH: 2 [2 - **3** - **3**].
23 February 1950: Uganda: Kichwamba, near: AMNH: 1 [1 - **1** - **1**].
1 March 1950: South Sudan: Nyibor, Lake: AMNH: 24 [24 - **24** - **24**].
5 March 1950: South Sudan: Torit: AMNH: 1 [1 - **1** - **1**].
6 March 1950: South Sudan: Torangole: AMNH: 3 [3 - **3** - **3**].
8 March 1950: South Sudan: Torit District: AMNH: 13 [13] - Torit, near: AMNH: 1 [1 - **14** - **14**].
16 March 1950: South Sudan: Nimule: AMNH: 2 [2] - Torit District: AMNH: 1 [1 - **3**].
Uganda: Nimule: AMNH: 19 [19 - **19** - **22**].
20 March 1950: South Sudan: Juba: AMNH: 1 [1] - Nimule: AMNH: 1 [1 - **2** - **2**].
24 March 1950: South Sudan: Yirol District: AMNH: 12 [12 - **12** - **12**].
25 March 1950: South Sudan: Nyibor, Lake: AMNH: 17 [17 - **17** - **17**].
27 March 1950: South Sudan: Nyibor, Lake: AMNH: 9 [9 - **9** - **9**].
28 March 1950: South Sudan: Nyibor, Lake: AMNH: 8 [8 - **8** - **8**].
29 March 1950: South Sudan: Nyibor, Lake: AMNH: 5 [5 - **5** - **5**].
30 March 1950: South Sudan: Nyibor, Lake: AMNH: 8 [8 - **8** - **8**].
31 March 1950: South Sudan: Nyibor, Lake: AMNH: 6 [6 - **6** - **6**].
1 April 1950: South Sudan: Nyibor, Lake: AMNH: 2 [2 - **2** - **2**].
2 August 1950: Kenya: Namanga: AMNH: 1 [1 - **1** - **1**].
31 March 1951: South Sudan: Nyibor, Lake: AMNH: 3 [3 - **3** - **3**].

Total Specimens for Queeny, Edgar M.: 203

Qumsiyeh, Mazin B.

14 March 1981: Libya: Kuf-NP: CM: 1 [1 - **1** - **1**].
15 March 1981: Libya: Kuf-NP: CM: 3 [3 - **3** - **3**].
16 March 1981: Libya: Kuf-NP: CM: 1 [1 - **1** - **1**].
21 March 1981: Libya: Baida, 4 km S: CM: 1 [1 - **1** - **1**].
22 March 1981: Libya: Baida, 4 km S: CM: 1 [1 - **1** - **1**].
27 March 1981: Libya: Kuf-NP: CM: 5 [5 - **5** - **5**].
29 March 1981: Libya: Kuf-NP: CM: 1 [1 - **1** - **1**].
3 April 1981: Libya: Haniya, 8 km SSE: CM: 1 [1 - **1** - **1**].
9 April 1981: Libya: Kuf-NP: CM: 1 [1 - **1** - **1**].
3 May 1981: Libya: Sabratah: CM: 1 [1 - **1** - **1**].
16 May 1981: Algeria: Wadi Sauria: CM: 6 [6 - **6** - **6**].
19 May 1981: Algeria: Mouzdjadjo: CM: 2 [2 - **2** - **2**].
23 May 1981: Algeria: Oued Rhumel: CM: 1 [1 - **1** - **1**].
24 May 1981: Algeria: Oued Rhumel: CM: 1 [1 - **1** - **1**].
29 May 1981: Algeria: In Saleh: CM: 1 [1 - **1** - **1**].
1 June 1981: Algeria: Tamanrasset: CM: 1 [1 - **1** - **1**].
3 June 1981: Algeria: Tamanrasset: CM: 7 [7 - **7** - **7**].
5 June 1981: Algeria: Sétif: CM: 1 [1 - **1** - **1**].
30 June 1981: Algeria: Ain Oussera: CM: 1 [1 - **1** - **1**].
1 July 1981: Algeria: Ain Oussera: CM: 14 [14 - **14** - **14**].
14 July 1981: Egypt: Saqqara: CM: 2 [2 - **2** - **2**].
18 July 1981: Egypt: Denderah [=Dandarah]: CM: 3 [3 - **3** - **3**].
19 July 1981: Egypt: Denderah [=Dandarah]: CM: 2 [2 - **2** - **2**].
27 July 1981: Egypt: Abu Ghaleb, 2 km N: CM: 7 [7 - **7** - **7**].

Total Specimens for Qumsiyeh, Mazin B.: 65

R.S.E.S

5 May 1960: Zimbabwe: Sentinel Ranch: HZM: 1 [1 - **1** - **1**].
2 June 1960: Zimbabwe: Sentinel Ranch: HZM: 1 [1 - **1** - **1**].

Total Specimens for R.S.E.S: 2

Racey, Paul A.

Collection Date Unknown: Seychelles: Grand Anse: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Racey, Paul A.: 2

Radinsky, Leonard B.

Collection Date Unknown: South Africa: Unknown locality: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Radinsky, Leonard B.: 1

Radna

1 January 1931: Congo (Democratic Republic of the): Pawa: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Radna: 1

Ragaeczi

Collection Date Unknown: Ethiopia: Saati: AMNH: 3 [3 - **3** - **3**].

Total Specimens for Ragaeczi: 3

Ragazzi, Vincenzo
(1856 -)

1 January 1902: Eritrea: Saati: USNM: 4 [4 - **4** - **4**].

Total Specimens for Ragazzi, Vincenzo: 4

Rahm, Uwe

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1] - Bulundu: BMNH: 1 [1] - Irangi: BMNH: 1 [1] - Niambasha: RMCA: 1 [1] - Shabunda: BMNH: 1 [1 - **5** - **5**].
20 January 1952: Congo (Democratic Republic of the): Keyberg: RMCA: 2 [2 - **2** - **2**].
1 May 1953: Congo (Democratic Republic of the): Camp Putnam: RMCA: 1 [1 - **1** - **1**].
8 October 1953: Côte d'Ivoire: Adiopodoumé: MHNG: 1 [1 - **1** - **1**].
4 June 1956: Congo (Democratic Republic of the): Lwiro: RMCA: 1 [1 - **1** - **1**].
1 August 1956: Congo (Democratic Republic of the): Niambasha: RMCA: 1 [1 - **1** - **1**].
18 September 1957: Congo (Democratic Republic of the): Kiumba: RMCA: 2 [2 - **2** - **2**].
8 July 1958: Congo (Democratic Republic of the): Lwiro: RMCA: 1 [1 - **1** - **1**].
9 October 1958: Congo (Democratic Republic of the): Mabali: RMCA: 2 [2 - **2** - **2**].
29 October 1958: Congo (Democratic Republic of the): Mabali: RMCA: 1 [1 - **1** - **1**].
14 January 1959: Congo (Democratic Republic of the): Kakondo: RMCA: 4 [4 - **4** - **4**].
30 January 1959: Congo (Democratic Republic of the): Niambasha: RMCA: 4 [4 - **4** - **4**].
6 February 1959: Congo (Democratic Republic of the): Utu: RMCA: 2 [2 - **2** - **2**].
21 February 1959: Congo (Democratic Republic of the): Lwiro: RMCA: 1 [1 - **1** - **1**].
2 March 1959: Congo (Democratic Republic of the): Uvira: RMCA: 1 [1 - **1** - **1**].
5 March 1959: Congo (Democratic Republic of the): Uvira: RMCA: 1 [1 - **1** - **1**].
12 March 1959: Congo (Democratic Republic of the): Kabira: RMCA: 1 [1] - Mwanda: RMCA: 3 [3 - **4** - **4**].
15 March 1959: Congo (Democratic Republic of the): Kabira: RMCA: 1 [1 - **1** - **1**].
19 March 1959: Congo (Democratic Republic of the): Kabira: RMCA: 1 [1 - **1** - **1**].
27 March 1959: Congo (Democratic Republic of the): Murambi: RMCA: 1 [1 - **1** - **1**].
7 April 1959: Congo (Democratic Republic of the): Lwiro: RMCA: 1 [1 - **1** - **1**].
8 April 1959: Congo (Democratic Republic of the): Lwiro: RMCA: 2 [2 - **2** - **2**].
29 April 1959: Congo (Democratic Republic of the): Uvira: RMCA: 2 [2 - **2** - **2**].
2 May 1959: Congo (Democratic Republic of the): Uvira: RMCA: 2 [2 - **2** - **2**].
6 May 1959: Congo (Democratic Republic of the): Nkene: RMCA: 1 [1 - **1** - **1**].
20 June 1959: Congo (Democratic Republic of the): Bushushu: RMCA: 1 [1 - **1** - **1**].
26 June 1959: Congo (Democratic Republic of the): Bushushu: RMCA: 1 [1 - **1** - **1**].
21 August 1959: Congo (Democratic Republic of the): Irangi: RMCA: 1 [1 - **1** - **1**].
24 August 1959: Congo (Democratic Republic of the): Irangi: RMCA: 4 [4 - **4** - **4**].
16 September 1959: Congo (Democratic Republic of the): Irangi: BMNH: 1 [1 - **1** - **1**].
16 December 1959: Congo (Democratic Republic of the): Rambira: RMCA: 1 [1 - **1** - **1**].
14 January 1960: Congo (Democratic Republic of the): Idjwi, Island: RMCA: 2 [2 - **2** - **2**].
15 March 1960: Congo (Democratic Republic of the): Mulolo: BMNH: 1 [1 - **1** - **1**].
18 March 1960: Congo (Democratic Republic of the): Mulolo-Kisanga: BMNH: 1 [1 - **1** - **1**].
22 April 1960: Congo (Democratic Republic of the): Kisanga: BMNH: 2 [2 - **2** - **2**].
25 April 1960: Congo (Democratic Republic of the): Kisanga: BMNH: 1 [1 - **1** - **1**].
23 June 1961: Congo (Democratic Republic of the): Irangi: BMNH: 1 [1 - **1** - **1**].
11 July 1961: Congo (Democratic Republic of the): Irangi: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Rahm, Uwe: 63

Rahm, Uwe; Aellen, Villy

3 September 1953: Côte d'Ivoire: Adiopodoumé: MHNG: 1 [1 - **1** - **1**].
8 September 1953: Côte d'Ivoire: Asakra: MHNG: 3 [3 - **3** - **3**].
15 January 1954: Côte d'Ivoire: Adiopodoumé: MHNG: 1 [1 - **1** - **1**].
28 September 1954: Côte d'Ivoire: Tiegba [5 locs]: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Rahm, Uwe; Aellen, Villy: 6

Rakotonandrasana, E.; Ratrimomanarivo, Fania H.

22 May 2005: Madagascar: Kianjavato: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Rakotonandrasana, E.; Ratrimomanarivo, Fania H.: 1

Ralph, C.V.

Collection Date Unknown: Ghana: Legon: ROM: 1 [1 - **1** - **1**].

Total Specimens for Ralph, C.V.: 1

Ralph, Clement John

Collection Date Unknown: Ghana: Unknown locality: MVZ: 1, ROM: 2 [3] - Kade, 11 km NE: ROM: 1 [1] - Kade, 7 mi [=11.3 km] NE: ROM: 3 [3 - **7** - **7**].
7 July 1965: Ghana: Legon: MVZ: 20 [20 - **20** - **20**].
19 July 1965: Ghana: Legon: ROM: 1 [1 - **1** - **1**].
22 July 1965: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
23 July 1965: Ghana: Legon: ROM: 6 [6 - **6** - **6**].
25 July 1965: Ghana: Legon: ROM: 3 [3 - **3** - **3**].
27 July 1965: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
28 July 1965: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
29 July 1965: Ghana: Legon: ROM: 3 [3 - **3** - **3**].
31 July 1965: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
1 August 1965: Ghana: Kade, 11 km NE: ROM: 4 [4 - **4** - **4**].
2 August 1965: Ghana: Kade, 11 km NE: ROM: 2 [2 - **2** - **2**].
3 August 1965: Ghana: Kade, 11 km NE: ROM: 2 [2] - Legon: ROM: 8 [8 - **10** - **10**].
4 August 1965: Ghana: Kade, 11 km NE: ROM: 2 [2 - **2** - **2**].
5 August 1965: Ghana: Legon: ROM: 6 [6 - **6** - **6**].
7 August 1965: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
8 August 1965: Ghana: Kade, 11 km NE: ROM: 5 [5] - Kade, 7 mi [=11.3 km] NE: MVZ: 3 [3] - Legon: MVZ: 14, ROM: 3 [17 - **25** - **25**].
9 August 1965: Ghana: Kade, 11 km NE: ROM: 1 [1 - **1** - **1**].
10 August 1965: Ghana: Kade, 11 km NE: ROM: 5 [5 - **5** - **5**].
12 August 1965: Ghana: Kade, 11 km NE: ROM: 7 [7 - **7** - **7**].
13 August 1965: Ghana: Kade, 11 km NE: ROM: 3 [3 - **3** - **3**].
14 August 1965: Ghana: 0609N 0045W: CAS: 1 [1] - Kade, 11 km NE: ROM: 2 [2 - **3** - **3**].
15 August 1965: Ghana: Kade, 11 km NE: ROM: 1 [1 - **1** - **1**].
16 August 1965: Ghana: Kade, 11 km NE: ROM: 4 [4 - **4** - **4**].
29 August 1965: Ghana: Legon: ROM: 1 [1 - **1** - **1**].
1 September 1965: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
2 September 1965: Ghana: Legon: ROM: 4 [4 - **4** - **4**].
3 September 1965: Ghana: Legon: ROM: 1 [1 - **1** - **1**].
4 September 1965: Ghana: Kade, 11 km NE: ROM: 1 [1] - Legon: ROM: 3, USNM: 1 [4 - **5** - **5**].
5 September 1965: Ghana: Kade, 11 km NE: ROM: 1 [1 - **1** - **1**].
6 September 1965: Ghana: Legon: ROM: 2 [2 - **2** - **2**].
8 September 1965: Ghana: Kade, 11 km NE: ROM: 1 [1 - **1** - **1**].
9 September 1965: Ghana: Kade, 7 mi [=11.3 km] NE: MVZ: 3 [3] - Legon: MVZ: 1 [1 - **4** - **4**].
10 September 1965: Ghana: Kade, 11 km NE: ROM: 1 [1 - **1** - **1**].
15 September 1965: Ghana: Kade, 11 km NE: ROM: 1 [1 - **1** - **1**].
16 September 1965: Ghana: Kade, 11 km NE: ROM: 1 [1 - **1** - **1**].
17 September 1965: Ghana: Kade, 11 km NE: ROM: 4 [4 - **4** - **4**].
18 September 1965: Ghana: Kade, 11 km NE: ROM: 2 [2 - **2** - **2**].
19 September 1965: Ghana: Kade, 11 km NE: ROM: 1 [1 - **1** - **1**].
20 September 1965: Ghana: Kade, 11 km NE: ROM: 12 [12 - **12** - **12**].
21 September 1965: Ghana: Kade, 11 km NE: ROM: 4 [4 - **4** - **4**].
23 September 1965: Ghana: Kade, 11 km NE: ROM: 5 [5 - **5** - **5**].
26 September 1965: Ghana: Kade, 11 km NE: ROM: 3 [3 - **3** - **3**].
27 September 1965: Ghana: Kade, 11 km NE: ROM: 5 [5 - **5** - **5**].
28 September 1965: Ghana: Kade, 11 km NE: ROM: 3 [3 - **3** - **3**].
29 September 1965: Ghana: Kade, 11 km NE: ROM: 2 [2 - **2** - **2**].
30 September 1965: Ghana: Kade, 11 km NE: ROM: 6 [6 - **6** - **6**].
15 October 1965: Ghana: Kade, 11 km NE: ROM: 4 [4 - **4** - **4**].
19 October 1965: Ghana: Kade, 11 km NE: ROM: 2 [2 - **2** - **2**].
21 October 1965: Ghana: Kade, 11 km NE: ROM: 1 [1] - Legon: ROM: 2 [2 - **3** - **3**].

23 October 1965: Ghana: Kade, 11 km NE: ROM: 3 [3 - **3** - **3**].
12 December 1965: Ghana: Legon: MVZ: 23 [23 - **23** - **23**].

Total Specimens for Ralph, Clement John: 229

Ranck, G.L.

29 May 1962: Libya: Bahr El Tubat: USNM: 1 [1 - **1** - **1**].

Total Specimens for Ranck, G.L.: 1

Ranck, G.L.; Shaw, J.H.

29 May 1962: Libya: Bahr El Tubat: USNM: 1 [1 - **1** - **1**].
8 June 1962: Libya: Labraq, 5 km SW: USNM: 1 [1 - **1** - **1**].

Total Specimens for Ranck, G.L.; Shaw, J.H.: 2

Rand, Austin Loomer
(16 December 1905: Kentville - 6 November 1982)

23 May 1923: Madagascar: Monjakatompo: AMNH: 1 [1 - **1** - **1**].
24 May 1929: Madagascar: Monjakatompo: AMNH: 1 [1 - **1** - **1**].
16 June 1929: Madagascar: Amorontsanga: AMNH: 1 [1] - Ivohibe: AMNH: 2 [2 - **3** - **3**].
14 August 1929: Madagascar: Ivohibe: AMNH: 2 [2 - **2** - **2**].
23 October 1929: Madagascar: Tulear, 80 km E: AMNH: 1 [1 - **1** - **1**].
25 March 1930: Madagascar: Ampotaka: AMNH: 2 [2 - **2** - **2**].
31 May 1930: Madagascar: Maroantsetra, 40 km NW: AMNH: 1 [1 - **1** - **1**].
31 January 1931: Madagascar: Maromandia: AMNH: 1 [1 - **1** - **1**].
6 March 1931: Madagascar: Namoroka: FMNH: 2 [2 - **2** - **2**].
7 March 1931: Madagascar: Unknown locality: AMNH: 2 [2 - **2** - **2**].
24 May 1932: Madagascar: Mongakatompo: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Rand, Austin Loomer: 18

Rand, Austin Loomer; Du Mont, Philip A.; Mission Zoologique Franco-Anglo-Americaine, La

6 March 1931: Madagascar: Namoroka: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Rand, Austin Loomer; Du Mont, Philip A.; Mission Zoologique Franco-Anglo-Americaine, La: 1

Ränge

Collection Date Unknown: Namibia: Kuibis: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Ränge: 1

Ranivo, Julie; Ratrimomanarivo, Fania H.

25 September 2003: Madagascar: Ampidiranamhaja cave: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Ranivo, Julie; Ratrimomanarivo, Fania H.: 1

Rankwa

21 September 1962: Mozambique: Beira, 20 mi N: HZM: 1 [1 - **1** - **1**].

Total Specimens for Rankwa: 1

Ranniger

1 January 1905: Tanzania: Marienhof: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Ranniger: 1

Rasolozaka, I.N.; Goodman, Steven M.

15 April 1993: Madagascar: unspecified locality: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Rasolozaka, I.N.; Goodman, Steven M.: 1

Ratcliffe, H.

9 May 2000: South Africa: Waterfall: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Ratcliffe, H.: 1

Rathborne, J.C.; Carr, P.S.

Collection Date Unknown: Kenya: Unknown locality: YPM: 1 [1 - **1** - **1**].

Total Specimens for Rathborne, J.C.; Carr, P.S.: 1

Rathbun, Galen B.

1 April 1971: Kenya: Gedi National Park: SMF: 1 [1 - **1** - **1**].

Total Specimens for Rathbun, Galen B.: 1

Ratrimomanarivo, Fania H.

26 April 2005: Madagascar: Collegèges d'Enseignement Général: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Ratrimomanarivo, Fania H.: 1

Ratrimomanarivo, Fania H.; Rakotomavo, J.

11 November 2004: Madagascar: Andranomilitry, cave: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Ratrimomanarivo, Fania H.; Rakotomavo, J.: 2

RatZooMan [=Rodent Zoonosis Management] project, The

Collection Date Unknown: Tanzania: Unknown locality: RMCA: 1 [1 - **1** - **1**].
27 February 2006: Tanzania: Magamba: RMCA: 1 [1 - **1** - **1**].

Total Specimens for RatZooMan [=Rodent Zoonosis Management] project, The: 2

Rau, R.

1 June 1960: Namibia: Marienthal: SMF: 1 [1 - **1** - **1**].
1 January 1962: South Africa: Bredasdorp: SMF: 3 [3 - **3** - **3**].
7 July 1962: South Africa: "Onmeetbare" cave: SMF: 4 [4 - **4** - **4**].
5 September 1962: Egypt: between Cairo and Ismailia: SMF: 1 [1] - Cairo and Ismaila, between: SMF: 1 [1 - **2** - **2**].
16 July 1964: Namibia: Karakuwisa: SMF: 1 [1 - **1** - **1**].

Total Specimens for Rau, R.: 11

Rautenbach, Anita

20 January 2008: South Africa: Sibengu Lodge: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Rautenbach, Anita: 1

Rautenbach, Ignatius Lourens [=Naas]

Collection Date Unknown: Namibia: Unknown locality: MMK: 1, TM: 4 [5] - Klein Aus Farm 8: TM: 1 [1 - **6**].
South Africa: Unknown locality: TM: 2 [2] - Buzzard Mountain Retreat: TM: 1 [1] - D'Nyala Provincial Nature Reserve: TM: 1 [1] - Farm Mooigenoeg 83: TM: 1 [1] - Farm Mooiplaas 94: TM: 2 [2] - Farm Welgevonden 449: TM: 1 [1] - Figtree camp: TM: 2 [2] - Kalahari Gemsbok-NP, Kameelsleep: TM: 1 [1] - Letaba Ranch: TM: 1 [1] - Ndumu Game Reserve: TM: 1 [1] - Pafuri area, Mockford's Garden: TM: 1 [1] - Picnic site: TM: 1 [1] - Rhenosterkoppies: TM: 2 [2] - Rissik Private Nature Reserve: TM: 8 [8] - Tembe Elephant Park: TM: 1 [1] - Witrivier, 11 mi W: USNM: 1 [1 - **27** - **33**].
8 February 1947: South Africa: Farm Keikamspoort 71: TM: 1 [1 - **1** - **1**].
2 February 1965: South Africa: Culling camp: TM: 1 [1 - **1** - **1**].
16 November 1966: South Africa: Barberton, 2 mi [= 3.2 km] SW: USNM: 23 [23 - **23** - **23**].
27 November 1966: South Africa: Malelane, 7 mi [= 11 km] SW: USNM: 1 [1 - **1** - **1**].
30 November 1966: South Africa: Malelane, 7 mi [= 11 km] SW: USNM: 5 [5 - **5** - **5**].
2 December 1966: South Africa: Malelane, 7 mi [= 11 km] SW: USNM: 1 [1 - **1** - **1**].
11 December 1966: South Africa: Witrivier, 11 mi W: AMNH: 1 [1 - **1** - **1**].
13 December 1966: South Africa: Witrivier, 11 mi W: USNM: 1 [1 - **1** - **1**].
17 December 1966: South Africa: Mariepskop: USNM: 2 [2 - **2** - **2**].
18 December 1966: South Africa: Mariepskop: USNM: 12 [12 - **12** - **12**].
9 January 1967: South Africa: Tshipise, 1 mi NE: USNM: 1 [1 - **1** - **1**].
10 January 1967: South Africa: Tshipise, 1 mi NE: USNM: 2 [2 - **2** - **2**].
12 January 1967: South Africa: Tshipise, 1 mi NE: USNM: 1 [1 - **1** - **1**].

15 January 1967: South Africa: Tshipise: USNM: 4 [4] - Tshipise, 1 mi NE: USNM: 9 [9 - **13** - **13**].
28 January 1967: South Africa: Houtbosdorp, 2 mi E: USNM: 7 [7 - **7** - **7**].
8 February 1967: South Africa: Tzaneen, 6 mi [= 9.7 km] NE: USNM: 1 [1 - **1** - **1**].
11 April 1967: South Africa: Old Figtree forest: TM: 1 [1 - **1** - **1**].
24 November 1967: South Africa: Kalahari Gemsbok-NP: TM: 1 [1] - Kamferboom: TM: 2 [2 - **3** - **3**].
7 October 1970: Namibia: Sangwali: TM: 1 [1 - **1** - **1**].
3 August 1972: South Africa: Monument Park, Monument Park caves: TM: 5 [5 - **5** - **5**].
25 August 1972: South Africa: Monument Park: TM: 1 [1 - **1** - **1**].
14 January 1973: South Africa: Farm Welgevonden 449: TM: 1 [1 - **1** - **1**].
6 February 1973: South Africa: Maria van Riebeeck Nature Reserve: TM: 4 [4 - **4** - **4**].
9 February 1973: South Africa: Mmabolela Estates [=Mmqbolela Estates]: TM: 1 [1 - **1** - **1**].
13 February 1973: South Africa: Farm Olifantspoort 328 [=Retiefkloof]: TM: 3 [3 - **3** - **3**].
15 February 1973: South Africa: Farm Olifantspoort 328 [=Retiefkloof]: TM: 1 [1 - **1** - **1**].
19 February 1973: South Africa: Farm Olifantspoort 328 [=Retiefkloof]: TM: 1 [1 - **1** - **1**].
8 March 1973: South Africa: Mmabolela Estates [=Mmqbolela Estates]: TM: 1 [1 - **1** - **1**].
9 March 1973: South Africa: Farm Mooigenoeg 83: TM: 1 [1 - **1** - **1**].
17 March 1973: South Africa: Rissik Private Nature Reserve: TM: 1 [1 - **1** - **1**].
4 April 1973: South Africa: Loskopdam Nature Reserve: TM: 1 [1 - **1** - **1**].
3 May 1973: South Africa: D'Nyala Provincial Nature Reserve: TM: 1 [1 - **1** - **1**].
4 May 1973: South Africa: D'Nyala Provincial Nature Reserve: TM: 5 [5 - **5** - **5**].
8 May 1973: South Africa: D'Nyala Provincial Nature Reserve: TM: 1 [1 - **1** - **1**].
11 May 1973: South Africa: Farm Buffelspoort 149 JQ: TM: 1 [1] - Farm Randstephane 455 KQ [=Farm Donkerpoort 448]: TM: 1 [1 - **2** - **2**].
14 May 1973: South Africa: Greefswald [= Mapungubwe]: TM: 1 [1 - **1** - **1**].
5 August 1973: South Africa: Farm Scrutton 23MT: TM: 1 [1 - **1** - **1**].
7 August 1973: South Africa: Farm Scrutton 23MT: TM: 6 [6 - **6** - **6**].
9 August 1973: South Africa: Farm Greefswald 37MS: TM: 1 [1] - Farm Greefswald 37MS, Shashi-Limpopo confluence: TM: 1 [1] - Greefswald [= Mapungubwe]: TM: 1 [1 - **3** - **3**].
14 August 1973: South Africa: Greefswald [= Mapungubwe]: TM: 2 [2 - **2** - **2**].
18 August 1973: South Africa: Farm Greefswald 37MS, Shashi-Limpopo confluence: TM: 4 [4] - Greefswald [= Mapungubwe]: TM: 4 [4 - **8** - **8**].
7 September 1973: South Africa: Farm Mooiplaas 94: TM: 12 [12 - **12** - **12**].
13 September 1973: South Africa: Farm Rykvoorby 96: TM: 3 [3 - **3** - **3**].
4 October 1973: South Africa: Farm Randstephane 455 KQ [=Farm Donkerpoort 448]: TM: 12 [12 - **12** - **12**].
10 October 1973: South Africa: Rissik Private Nature Reserve: TM: 4 [4 - **4** - **4**].
14 October 1973: South Africa: Rissik Private Nature Reserve: TM: 1 [1 - **1** - **1**].
15 December 1973: South Africa: Farm Randstephane 455 KQ [=Farm Donkerpoort 448]: TM: 1 [1 - **1** - **1**].
11 January 1974: South Africa: Farm Welgevonden 449: TM: 5 [5 - **5** - **5**].
16 January 1974: South Africa: Farm Nicorel 343: TM: 1 [1 - **1** - **1**].
18 January 1974: South Africa: Farm Groothoek 99: TM: 3 [3 - **3** - **3**].
21 January 1974: South Africa: Farm Groothoek 99: TM: 1 [1 - **1** - **1**].
23 January 1974: South Africa: Farm Groothoek 99: TM: 13 [13 - **13** - **13**].
11 February 1974: South Africa: Barberspan Provincial Nature Reserve: TM: 6 [6 - **6** - **6**].
12 February 1974: South Africa: Barberspan Provincial Nature Reserve: TM: 2 [2] - Farm Grootsuikerboschkop 124: TM: 1 [1 - **3** - **3**].
16 February 1974: South Africa: Blyde River Canyon [=Blyderivier Blyderivierspoort] Nature Reserve: TM: 1 [1 - **1** - **1**].
17 February 1974: South Africa: Farm Witpoort 419: TM: 1 [1 - **1** - **1**].
18 February 1974: South Africa: Farm Witpoort 419: TM: 2 [2 - **2** - **2**].
7 March 1974: South Africa: Farm Mooigenoeg 83: TM: 1 [1 - **1** - **1**].
8 March 1974: South Africa: Farm Mooigenoeg 83: TM: 1 [1 - **1** - **1**].
9 March 1974: South Africa: Farm Mooigenoeg 83: TM: 4 [4 - **4** - **4**].
3 May 1974: South Africa: Farms Grootsuikerboschkop & Elandslaagte: TM: 6 [6 - **6** - **6**].
4 May 1974: South Africa: Farms Grootsuikerboschkop & Elandslaagte: TM: 1 [1 - **1** - **1**].
15 May 1974: South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: TM: 1 [1 - **1** - **1**].
1 July 1974: South Africa: Blouberg Private Nature Reserve]: TM: 8 [8 - **8** - **8**].
2 July 1974: South Africa: Blouberg Private Nature Reserve]: TM: 2 [2 - **2** - **2**].
9 July 1974: South Africa: Blijdschap PNR: TM: 1 [1 - **1** - **1**].
17 July 1974: South Africa: Farm Rhoda 9: TM: 1 [1] - Farm Rhoda 9, old mica mine: TM: 3 [3 - **4** - **4**].
14 September 1974: South Africa: Hans Merensky Nature Reserve: TM: 1 [1 - **1** - **1**].
15 September 1974: South Africa: Hans Merensky Nature Reserve: TM: 3 [3 - **3** - **3**].
21 September 1974: South Africa: Mimbo, on Limpopo: TM: 1 [1 - **1** - **1**].
13 October 1974: South Africa: Farm Dordrecht: TM: 2 [2 - **2** - **2**].
15 October 1974: South Africa: Waterberg, Farm Platbos: TM: 1 [1 - **1** - **1**].
16 October 1974: South Africa: Waterberg, Farm Platbos: TM: 1 [1 - **1** - **1**].
18 October 1974: South Africa: Waterberg, Farm Platbos: TM: 1 [1 - **1** - **1**].
9 November 1974: South Africa: Ten Bosch Estates: TM: 8 [8 - **8** - **8**].
10 November 1974: South Africa: Ten Bosch Estates: TM: 4 [4 - **4** - **4**].
11 November 1974: South Africa: Ten Bosch Estates: TM: 1 [1 - **1** - **1**].
14 November 1974: South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: TM: 1 [1 - **1** - **1**].
17 November 1974: South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: TM: 3 [3 - **3** - **3**].
19 November 1974: South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: TM: 1 [1 - **1** - **1**].
9 February 1975: South Africa: Farm Naerina: TM: 2 [2 - **2** - **2**].
11 February 1975: South Africa: Farm Cyprus 68: TM: 1 [1 - **1** - **1**].
12 February 1975: South Africa: Farm Cyprus 68: TM: 5 [5 - **5** - **5**].
15 February 1975: South Africa: Stormsriver State Forest Station: TM: 1 [1 - **1** - **1**].
16 February 1975: South Africa: De Hoop Private Nature Reserve: TM: 11 [11 - **11** - **11**].

15 April 1975: South Africa: Letaba Ranch: TM: 1 [1 - **1** - **1**].
16 April 1975: South Africa: Letaba Ranch: TM: 9 [9 - **9** - **9**].
17 April 1975: South Africa: Letaba Ranch: TM: 1 [1 - **1** - **1**].
19 April 1975: South Africa: Letaba Ranch: TM: 1 [1 - **1** - **1**].
25 June 1975: South Africa: Nylsvlei Nature Reserve: TM: 1 [1 - **1** - **1**].
24 January 1976: South Africa: Lake Sibaya Reserve Station: TM: 2 [2 - **2** - **2**].
1 February 1976: South Africa: Shihangwane: TM: 1 [1 - **1** - **1**].
21 February 1976: South Africa: Vendabind, on Levuvhu river: TM: 1 [1 - **1** - **1**].
28 March 1976: South Africa: Entabeni State Forest: TM: 1 [1 - **1** - **1**].
8 January 1977: South Africa: Farm Keikamspoort 71: TM: 2 [2 - **2** - **2**].
4 February 1977: South Africa: Farm Keikamspoort 71: TM: 4 [4 - **4** - **4**].
6 February 1977: South Africa: Farm Keikamspoort 71: TM: 14 [14] - Pafuri area, Mockford's Garden: TM: 1 [1 - **15** - **15**].
7 February 1977: South Africa: Farm Keikamspoort 71: TM: 4 [4 - **4** - **4**].
8 February 1977: South Africa: Farm Keikamspoort 71: TM: 1 [1 - **1** - **1**].
12 February 1977: South Africa: Goraas, Farm FrQ 2.9: TM: 1 [1 - **1** - **1**].
13 February 1977: South Africa: Goraas, Farm FrQ 2.9: TM: 6 [6 - **6** - **6**].
13 March 1977: South Africa: Goraas, Farm FrQ 2.9: TM: 1 [1 - **1** - **1**].
26 March 1977: South Africa: D'Nyala Provincial Nature Reserve: TM: 2 [2 - **2** - **2**].
1 April 1978: South Africa: Kabusi Forest station: TM: 1 [1 - **1** - **1**].
1 June 1978: Namibia: Bats Hole: TM: 1 [1 - **1** - **1**].
13 January 1979: South Africa: Mahogany Drive: KNP: 1 [1 - **1** - **1**].
6 May 1979: South Africa: Pafuri: TM: 2 [2] - Pafuri area, Mockford's Garden: TM: 1 [1] - Pafuriv area: KNP: 3 [3 - **6** - **6**].
7 May 1979: South Africa: Pafuri: TM: 1 [1] - Pafuri area, Mockford's Garden: TM: 1 [1] - Pafuriv area: KNP: 2 [2 - **4** - **4**].
8 May 1979: South Africa: Pafuri: TM: 2 [2] - Pafuri area, Mockford's Garden: TM: 6 [6] - Pafuriv area: KNP: 2 [2 - **10** - **10**].
9 May 1979: South Africa: Pafuri: TM: 4 [4 - **4** - **4**].
10 May 1979: South Africa: Pafuri: TM: 1 [1] - Pafuri area, Mockford's Garden: TM: 2 [2] - Pafuriv area: KNP: 2 [2 - **5** - **5**].
11 May 1979: South Africa: Kruger-NP, WNLA HQ: TM: 3 [3] - Pafuri: TM: 1 [1] - Pafuri area, Mockford's Garden: TM: 2 [2] - Pafuriv area: KNP: 1 [1 - **7** - **7**].
12 May 1979: South Africa: Pafuri: TM: 1 [1] - Pafuri area, Mockford's Garden: TM: 3 [3 - **4** - **4**].
13 May 1979: South Africa: Mahogany Drive: KNP: 1, TM: 4 [5 - **5** - **5**].
14 May 1979: South Africa: Mahogany Drive: KNP: 1, TM: 1 [2 - **2** - **2**].
15 May 1979: South Africa: Matukwala Dam: TM: 1 [1] - Matukwaladam: TM: 1 [1] - Matukwale Dam: KNP: 1 [1 - **3** - **3**].
16 May 1979: South Africa: Matukwala Dam: TM: 3 [3] - Punda Malia: TM: 5 [5] - Punda Milia Camp: TM: 2 [2] - Punda Milia, pumphouse: TM: 3 [3] - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein]: TM: 1 [1 - **14** - **14**].
17 May 1979: South Africa: Dzundwini: TM: 1 [1 - **1** - **1**].
8 June 1979: South Africa: Pafuri: TM: 1 [1] - Pafuri area, Mockford's Garden: TM: 2 [2 - **3** - **3**].
8 July 1979: South Africa: Malalane area: TM: 2 [2] - Malelane: TM: 1 [1 - **3** - **3**].
9 July 1979: South Africa: Malelane: TM: 1 [1 - **1** - **1**].
11 July 1979: South Africa: Stoltzneck dam: TM: 2 [2 - **2** - **2**].
14 July 1979: South Africa: Skukuza: TM: 6 [6 - **6** - **6**].
15 July 1979: South Africa: Skukuza: TM: 6 [6] - Skukuza, dam at golf course: TM: 1 [1 - **7** - **7**].
9 October 1979: South Africa: Mkuzi River: TM: 1 [1 - **1** - **1**].
19 May 1980: South Africa: Farm Evergreen: TM: 2 [2 - **2** - **2**].
30 January 1982: South Africa: WNLA Garden, Crooks Corner: KNP: 1 [1 - **1** - **1**].
15 September 1982: South Africa: Ndumu Game Reserve: TM: 1 [1 - **1** - **1**].
16 September 1982: South Africa: Ndumu Game Reserve: TM: 4 [4 - **4** - **4**].
19 September 1982: South Africa: Ndumu Game Reserve: TM: 2 [2 - **2** - **2**].
21 September 1982: South Africa: Malibali pan: TM: 15 [15] - Wardens house: TM: 5 [5 - **20** - **20**].
22 September 1982: South Africa: Nhlonhela pan: TM: 5 [5] - Wardens house: TM: 3 [3 - **8** - **8**].
23 September 1982: South Africa: Mkuzi River: TM: 16 [16 - **16** - **16**].
24 September 1982: South Africa: Bube pan: TM: 26 [26] - Mkuzi Game Reserve: TM: 1 [1] - Msinga pan: TM: 9 [9] - Wardens house: TM: 2 [2 - **38** - **38**].
25 September 1982: South Africa: Bube pan: TM: 14 [14] - Malibali pan: TM: 4 [4] - Mkuzi River: TM: 1 [1 - **19** - **19**].
2 February 1983: South Africa: Farm Grootfontein: TM: 1 [1 - **1** - **1**].
5 February 1983: South Africa: Kalahari Gemsbok-NP, Leeuwdril: TM: 8 [8] - Kalahari Gemsbok-NP, Rooikop: TM: 11 [11] - Marie se Gat: TM: 2 [2 - **21** - **21**].
6 February 1983: South Africa: Kalahari Gemsbok-NP, Rooikop: TM: 20 [20] - Marie se Gat: TM: 16 [16 - **36** - **36**].
7 February 1983: South Africa: Kuruman: TM: 1 [1] - Marie se Gat: TM: 15 [15 - **16** - **16**].
9 February 1983: South Africa: Kalahari Gemsbok-NP, Bayip: TM: 1 [1] - Kalahari Gemsbok-NP, Dankbaar: TM: 1 [1 - **2** - **2**].
10 February 1983: South Africa: Kalahari Gemsbok-NP, Bayip: TM: 1 [1] - Kalahari Gemsbok-NP, Dankbaar: TM: 5 [5 - **6** - **6**].
13 February 1983: South Africa: Farm Randstephane 455 KQ [=Farm Donkerpoort 448]: TM: 2 [2] - Farm Woodstock: TM: 22 [22] - Kuruman: TM: 1 [1] - Manxeba windmill: TM: 1 [1] - Picnic site: TM: 1 [1 - **27** - **27**].
14 February 1983: South Africa: Farm Woodstock: TM: 21 [21 - **21** - **21**].
15 February 1983: South Africa: Kuruman: TM: 9 [9] - Pafuri area, Mockford's Garden: TM: 1 [1 - **10** - **10**].
16 February 1983: South Africa: Kuruman: TM: 21 [21 - **21** - **21**].
17 February 1983: South Africa: Kuruman: TM: 19 [19 - **19** - **19**].
19 February 1983: South Africa: Farm Grootfontein: TM: 6 [6 - **6** - **6**].
20 February 1983: South Africa: Farm Grootfontein: TM: 7 [7 - **7** - **7**].
21 February 1983: South Africa: Farm Grootfontein: TM: 5 [5 - **5** - **5**].
22 February 1983: South Africa: Farm Grootfontein: TM: 16 [16 - **16** - **16**].
23 February 1983: South Africa: Norlim mine [=Buxton mine]: TM: 19 [19 - **19** - **19**].
16 September 1983: South Africa: Sandile's Cave: TM: 5 [5 - **5** - **5**].
28 September 1983: South Africa: Figtree camp: TM: 1 [1 - **1** - **1**].
30 September 1983: South Africa: Anthrax camp: TM: 1 [1 - **1** - **1**].
25 October 1983: South Africa: Old Picnic Site: TM: 8 [8 - **8** - **8**].
27 October 1983: South Africa: Figtree camp: TM: 4 [4 - **4** - **4**].

28 October 1983: South Africa: Erfplaas windmill: TM: 11 [11 - **11** - **11**].
27 November 1983: South Africa: Pafuri area, Mockford's Garden: TM: 3 [3 - **3** - **3**].
28 November 1983: South Africa: Figtree camp: TM: 3 [3 - **3** - **3**].
29 November 1983: South Africa: Figtree camp: TM: 6 [6 - **6** - **6**].
30 November 1983: South Africa: Anthrax camp: TM: 7 [7] - Old Picnic Site: TM: 7 [7 - **14** - **14**].
26 January 1984: South Africa: Figtree camp: TM: 4 [4] - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein]: TM: 1 [1 - **5** - **5**].
27 January 1984: South Africa: Figtree camp: TM: 5 [5 - **5** - **5**].
1 February 1984: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].
28 February 1984: South Africa: Anthrax camp: TM: 23 [23 - **23** - **23**].
29 February 1984: South Africa: Anthrax camp: TM: 3 [3 - **3** - **3**].
1 March 1984: South Africa: Figtree camp: TM: 3 [3 - **3** - **3**].
2 March 1984: South Africa: Figtree camp: TM: 2 [2] - Gwalali Army camp: TM: 5 [5 - **7** - **7**].
3 March 1984: South Africa: Gwalali Army camp: TM: 2 [2] - Pafuri area, Mockford's Garden: TM: 1 [1 - **3** - **3**].
4 March 1984: South Africa: Mashikiri windmill: TM: 2 [2 - **2** - **2**].
6 March 1984: South Africa: Kruger-NP, Bangu gorge caves: TM: 2 [2 - **2** - **2**].
31 March 1984: South Africa: Anthrax camp: TM: 3 [3 - **3** - **3**].
1 April 1984: South Africa: Figtree camp: TM: 7 [7 - **7** - **7**].
2 April 1984: South Africa: Figtree camp: TM: 8 [8 - **8** - **8**].
3 April 1984: South Africa: Figtree camp: TM: 3 [3 - **3** - **3**].
12 April 1984: South Africa: Nyala and Main Roads junction: TM: 1 [1 - **1** - **1**].
19 April 1984: South Africa: Old Picnic Site: TM: 2 [2 - **2** - **2**].
22 April 1984: South Africa: Gwalali Army camp: TM: 5 [5] - Limpopo-Levuvhu river confluence: TM: 2 [2] - Limpopo-Levuvhu Rivers confluence: TM: 3 [3 - **10** - **10**].
23 April 1984: South Africa: Mashikiri windmill: TM: 2 [2 - **2** - **2**].
24 April 1984: South Africa: Figtree camp: TM: 12 [12] - Levuvhu Bridge: TM: 1 [1 - **13** - **13**].
25 April 1984: South Africa: Levuvhu bridge: CM: 1 [1 - **1** - **1**].
26 April 1984: South Africa: Old Picnic Site: TM: 5 [5 - **5** - **5**].
27 July 1984: South Africa: Old Culling camp: TM: 1 [1 - **1** - **1**].
28 July 1984: South Africa: New Figtree Forest: TM: 1 [1 - **1** - **1**].
29 July 1984: South Africa: Magamba windmill: TM: 4 [4 - **4** - **4**].
30 July 1984: South Africa: Manxeba windmill: TM: 2 [2 - **2** - **2**].
29 August 1984: South Africa: Figtree camp: TM: 4 [4 - **4** - **4**].
30 August 1984: South Africa: Manxeba windmill: TM: 1 [1 - **1** - **1**].
31 August 1984: South Africa: Manditobe dam: TM: 4 [4 - **4** - **4**].
4 September 1984: South Africa: Rhenosterkoppies: TM: 1 [1 - **1** - **1**].
14 September 1984: South Africa: Figtree camp: TM: 1 [1 - **1** - **1**].
24 September 1984: South Africa: Figtree camp: TM: 9 [9 - **9** - **9**].
25 September 1984: South Africa: Pafuri,Figtree Forest, downstream: TM: 3 [3 - **3** - **3**].
30 October 1984: Namibia: Klein Aus Farm 8: TM: 8 [8 - **8** - **8**].
31 October 1984: Namibia: Klein Aus Farm 8: TM: 10 [10 - **10** - **10**].
1 November 1984: Namibia: Klein Aus Farm 8: TM: 6 [6 - **6** - **6**].
3 November 1984: Namibia: Farm Zwartmodder 101: TM: 32 [32 - **32** - **32**].
4 November 1984: Namibia: Farm Zwartmodder 101: TM: 1 [1 - **1** - **1**].
5 November 1984: Namibia: Farm Zwartmodder 101: TM: 13 [13 - **13** - **13**].
7 November 1984: Namibia: Farm Zwartmodder 101: TM: 1 [1 - **1** - **1**].
9 November 1984: Namibia: Farm Otjikoko Sud 61 [Pipistrelle Cave]: TM: 10 [10] - Otjikoko Sud 61: TM: 2 [2 - **12** - **12**].
20 January 1985: South Africa: Shingwedzi camp: TM: 1 [1 - **1** - **1**].
31 January 1985: South Africa: Anthrax camp: TM: 4 [4 - **4** - **4**].
1 February 1985: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].
2 February 1985: South Africa: Culling camp: TM: 9 [9 - **9** - **9**].
3 February 1985: South Africa: Fig Tree Camp: TM: 1 [1] - Figtree camp: TM: 2 [2 - **3** - **3**].
4 February 1985: South Africa: Pafuri area, Mockford's Garden: TM: 2 [2 - **2** - **2**].
5 February 1985: South Africa: New Figtree Forest: TM: 1 [1 - **1** - **1**].
6 February 1985: South Africa: Anthrax camp: TM: 3 [3] - Pafuri, Bridge: TM: 2 [2 - **5** - **5**].
11 April 1985: South Africa: Levuvhu river: TM: 1 [1] - New Figtree Forest: TM: 6 [6 - **7** - **7**].
12 April 1985: South Africa: Old Picnic Site: TM: 8 [8 - **8** - **8**].
13 April 1985: South Africa: Culling camp: TM: 3 [3] - Old Picnic Site: TM: 5 [5 - **8** - **8**].
14 April 1985: South Africa: Manxeba windmill: TM: 1 [1 - **1** - **1**].
15 April 1985: South Africa: Manxeba windmill: TM: 1 [1 - **1** - **1**].
16 April 1985: South Africa: Figtree forest: TM: 1 [1 - **1** - **1**].
3 November 1985: Namibia: Farm Zwartmodder 101: TM: 1 [1 - **1** - **1**].
6 November 1985: South Africa: Gwalali Army camp: TM: 1 [1 - **1** - **1**].
8 November 1985: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].
24 November 1985: South Africa: Pafuri: TM: 1 [1 - **1** - **1**].
4 March 1986: South Africa: Cederberg, Algeria State Forest, campsite: TM: 9 [9 - **9** - **9**].
6 March 1986: South Africa: Cederberg, Algeria State Forest, campsite: TM: 4 [4 - **4** - **4**].
7 March 1986: South Africa: Cederberg, Algeria State Forest, campsite: TM: 8 [8 - **8** - **8**].
6 May 1986: South Africa: Fig Tree Camp: CM: 2 [2 - **2** - **2**].
7 May 1986: South Africa: Fig Tree Camp: CM: 4 [4 - **4** - **4**].
8 May 1986: South Africa: Maditobepan: CM: 11 [11 - **11** - **11**].
9 May 1986: South Africa: Maditobe Pan [=Maditobepan]: TM: 4 [4] - Old Picnic Site: CM: 1 [1 - **5** - **5**].
11 May 1986: South Africa: Pafuri area, Mockford's Garden: TM: 2 [2 - **2** - **2**].
20 July 1986: South Africa: Figtree camp: TM: 2 [2] - Figtree forest: TM: 1 [1 - **3** - **3**].
22 July 1986: South Africa: Pafuri area, Mockford's Garden: TM: 2 [2 - **2** - **2**].
24 July 1986: South Africa: New Figtree Forest: LACM: 1 [1 - **1** - **1**].

16 October 1986: South Africa: Figtree camp: TM: 3 [3 - **3** - **3**].
19 October 1986: South Africa: Figtree camp: TM: 1 [1] - Pafuri, Research camp: TM: 2 [2 - **3** - **3**].
20 October 1986: South Africa: Gwalali Army camp: TM: 2 [2 - **2** - **2**].
21 October 1986: South Africa: Gwalali Army camp: TM: 2 [2] - Pafuri, upstream site: TM: 1 [1 - **3** - **3**].
26 April 1987: South Africa: Ngome Forest Reserve: TM: 1 [1 - **1** - **1**].
29 October 1987: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 11 [11 - **11** - **11**].
1 January 1988: South Africa: Maditobe [= Witsand] Dam: TM: 1 [1 - **1** - **1**].
14 January 1988: South Africa: Letaba Highwater Bridge: TM: 1 [1 - **1** - **1**].
19 January 1988: South Africa: Figtree camp: TM: 3 [3] - Pafuri area, Mockford's Garden: TM: 1 [1 - **4** - **4**].
21 January 1988: South Africa: Maditobe [= Witsand] Dam: TM: 16 [16] - Maditobe Witsand Dam: TM: 4 [4 - **20** - **20**].
24 January 1988: South Africa: Letaba Highwater Bridge: TM: 7 [7] - Old Picnic Site: TM: 7 [7 - **14** - **14**].
25 January 1988: South Africa: Letaba Rest Camp, 1 km SE: TM: 8 [8 - **8** - **8**].
26 January 1988: South Africa: Olifants Rest Camp, 7 km W: TM: 7 [7 - **7** - **7**].
27 January 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].
29 January 1988: South Africa: Letaba, 8 km SE: TM: 2 [2 - **2** - **2**].
30 January 1988: South Africa: Nwanedzi River, old bridge over: TM: 5 [5 - **5** - **5**].
1 February 1988: South Africa: Skukuza: TM: 1 [1] - WNLA Dam: TM: 14 [14 - **15** - **15**].
2 February 1988: South Africa: WNLA Dam: TM: 1 [1 - **1** - **1**].
4 February 1988: South Africa: Lebombo Ironwood forest: TM: 6 [6 - **6** - **6**].
5 February 1988: South Africa: Sabie River, north bank: TM: 4 [4 - **4** - **4**].
6 February 1988: South Africa: Loskop windmill: TM: 1 [1 - **1** - **1**].
7 February 1988: South Africa: Rhenosterkoppies: TM: 16 [16 - **16** - **16**].
10 February 1988: South Africa: Sabie River, north bank: TM: 2 [2 - **2** - **2**].
15 February 1988: South Africa: Crocodile River: TM: 2 [2] - Thornhill Farm 171 JU, Figaro mine: TM: 9 [9 - **11** - **11**].
8 March 1988: South Africa: Old Picnic Site: TM: 3 [3 - **3** - **3**].
17 November 1988: South Africa: Tsitsikama-NP, 2 km S Stormsriver Mouth, Guono Cave: TM: 1 [1 - **1** - **1**].
25 November 1988: South Africa: Battelary: TM: 1 [1 - **1** - **1**].
5 December 1988: South Africa: Farm Koegelbeen / Farm Brakfontein, Koegelbeen cave: TM: 11 [11 - **11** - **11**].
6 February 1989: South Africa: Old Figtree forest: TM: 1 [1 - **1** - **1**].
8 February 1989: South Africa: Anthrax camp: TM: 2 [2] - Bobomeni research camp [=Bobomene]: TM: 7 [7 - **9** - **9**].
1 October 1989: South Africa: Figaro Mine: TM: 11 [11 - **11** - **11**].
1 November 1989: South Africa: Farm Olivewood 284: TM: 8 [8 - **8** - **8**].
2 November 1989: South Africa: Farm Olivewood 284: TM: 8 [8 - **8** - **8**].
21 November 1989: South Africa: Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence: TM: 9 [9 - **9** - **9**].
30 December 1989: South Africa: Postberg Nature Reserve: TM: 2 [2 - **2** - **2**].
3 March 1990: South Africa: Bobomeni research camp [=Bobomene]: KNP: 6, TM: 1 [7 - **7** - **7**].
4 March 1990: South Africa: Malitube Dam: KNP: 2 [2 - **2** - **2**].
7 March 1990: South Africa: Picnic site: TM: 8 [8 - **8** - **8**].
9 April 1990: South Africa: Malitube Dam: KNP: 1 [1 - **1** - **1**].
20 May 1990: Malawi: Likabula mission: TM: 1 [1 - **1** - **1**].
1 July 1990: Zimbabwe: Mana Pools National Park: TM: 1 [1] - Mana Pools National Park, HQ: TM: 1 [1 - **2** - **2**].
22 October 1990: South Africa: Bobomeni research camp [=Bobomene]: TM: 4 [4 - **4** - **4**].
23 October 1990: South Africa: Old Figtree forest: TM: 1 [1 - **1** - **1**].
24 October 1990: South Africa: Anthrax camp: TM: 3 [3] - Manxeba windmill: TM: 1 [1 - **4** - **4**].
20 January 1991: South Africa: Sabie river bank: TM: 4 [4 - **4** - **4**].
21 January 1991: South Africa: Sabie river bank: TM: 1 [1 - **1** - **1**].
16 April 1991: South Africa: Skukuza staff village: TM: 3 [3 - **3** - **3**].
6 March 1992: South Africa: Skukuza, 7 km E: TM: 1 [1 - **1** - **1**].
13 March 1992: South Africa: Skukuza Staff Picnic site: TM: 1 [1 - **1** - **1**].
20 January 1993: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].
19 November 1994: Zimbabwe: Mana Pools-NP, Mondo River, S boundary: TM: 2 [2 - **2** - **2**].
28 November 1994: Zimbabwe: Tetse fly gate: TM: 1 [1 - **1** - **1**].
5 November 1995: South Africa: Buzzard Mountain Retreat: TM: 2 [2 - **2** - **2**].
25 November 1996: South Africa: Farm Rietfontein 404: TM: 5 [5 - **5** - **5**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]: 1440

Rautenbach, Ignatius Lourens [=Naas]; *et al.*

Collection Date Unknown: Malawi: Likabula mission: TM: 1 [1 - **1**].
South Africa: Levuvhu Hippopool: TM: 2 [2 - **2** - **3**].
23 May 1980: Malawi: Likabula mission: TM: 2 [2 - **2** - **2**].
26 October 1981: Zimbabwe: Unknown locality: MMK: 1 [1] - Sengwa Wildlife Research Station: TM: 3 [3 - **4** - **4**].
27 October 1981: Zimbabwe: Sengwa Wildlife Research Station: TM: 2 [2 - **2** - **2**].
28 October 1981: Zimbabwe: Sengwa Wildlife Research Station: TM: 6 [6 - **6** - **6**].
1 November 1981: Zimbabwe: Rhodes Matopos -Nature Park [=Matobo National Park]: TM: 4 [4 - **4** - **4**].
2 November 1981: Zimbabwe: Rhodes Matopos -Nature Park [=Matobo National Park]: TM: 4 [4 - **4** - **4**].
23 January 1982: South Africa: Levuvhu Hippopool: TM: 1 [1 - **1** - **1**].
26 January 1982: South Africa: Levuvhu Hippopool: TM: 1 [1 - **1** - **1**].
27 January 1982: South Africa: Levuvhu Hippopool: KNP: 1, TM: 15 [16 - **16** - **16**].
28 January 1982: South Africa: Levuvhu Hippopool: TM: 10 [10 - **10** - **10**].
29 January 1982: South Africa: Levuvhu Hippopool: TM: 16 [16 - **16** - **16**].
22 November 1988: South Africa: Jonkershoek Nature Conservation Research Station: TM: 1 [1 - **1** - **1**].
23 November 1988: South Africa: Jonkershoek Nature Conservation Research Station: TM: 3 [3 - **3** - **3**].
20 May 1990: Malawi: Likabula mission: TM: 1 [1 - **1** - **1**].

21 May 1990: Malawi: Likabula mission: TM: 4 [4 - **4** - **4**].
22 May 1990: Malawi: Likabula mission: TM: 2 [2 - **2** - **2**].
23 May 1990: Malawi: Likabula mission: TM: 2 [2 - **2** - **2**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; *et al.*: 82

Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.)

Collection Date Unknown: Mozambique: Muchena: TM: 1 [1 - **1** - **1**].
7 October 1981: Zimbabwe: Umtali mine adit: TM: 1 [1 - **1** - **1**].
15 September 1987: South Africa: Farm Oograbies West 153: TM: 1 [1 - **1** - **1**].
1 December 1988: South Africa: Cederberg, Algeria State Forest, campsite: TM: 4 [4 - **4** - **4**].
2 December 1988: South Africa: Cederberg, Algeria State Forest, campsite: TM: 7 [7 - **7** - **7**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): 14

Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Weber

1 October 1987: South Africa: Farm Wagondrift 230: TM: 3 [3 - **3** - **3**].
2 October 1987: South Africa: Farm Wagondrift 230: TM: 7 [7 - **7** - **7**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Weber: 10

Rautenbach, Ignatius Lourens [=Naas]; Coetzee, C.G.

30 May 1978: Namibia: Namib Park, Ganab water hole: TM: 2 [2 - **2** - **2**].
31 May 1978: Namibia: Namib Park, Ganab water hole: TM: 2 [2 - **2** - **2**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Coetzee, C.G.: 4

Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.

28 March 1976: South Africa: Entabeni State Forest: TM: 1 [1] - Soutpansberg [= Zoutpansberg],Entabeni State Forest: TM: 1 [1 - **2** - **2**].
30 January 1979: South Africa: Karoo-NP: TM: 1 [1 - **1** - **1**].
15 February 1979: South Africa: Stormsriver State Forest Station: TM: 6 [6 - **6** - **6**].
16 February 1979: South Africa: Stormsriver State Forest Station: TM: 7 [7 - **7** - **7**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: 16

Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.; de Graaff

22 January 1979: South Africa: Karoo-NP: TM: 2 [2 - **2** - **2**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.; de Graaff: 2

Rautenbach, Ignatius Lourens [=Naas]; Lombard, L.J.

27 January 1970: South Africa: Augrabies Falls-NP: TM: 1 [1 - **1** - **1**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Lombard, L.J.: 1

Rautenbach, Ignatius Lourens [=Naas]; Nel

Collection Date Unknown: South Africa: Craigadam: TM: 5 [5 - **5** - **5**].
3 February 1978: South Africa: Craigadam: TM: 1 [1 - **1** - **1**].
3 February 1980: South Africa: Craigadam: TM: 15 [15 - **15** - **15**].
6 February 1980: South Africa: Craigadam: TM: 12 [12 - **12** - **12**].
9 February 1980: South Africa: Doornkraal campsite: TM: 3 [3 - **3** - **3**].
11 February 1980: South Africa: Farm Doornkraal: TM: 2 [2] - Farm Doornpan: TM: 5 [5 - **7** - **7**].
14 February 1980: South Africa: Farm Doornpan: TM: 3 [3 - **3** - **3**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Nel: 46

Rautenbach, Ignatius Lourens [=Naas]; Nel, Flip

27 January 1982: South Africa: Levuvhu Hippopool: TM: 1 [1 - **1** - **1**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Nel, Flip: 1

Rautenbach, Ignatius Lourens [=Naas]; Nel, J.

8 February 1978: Mozambique: Muchena: TM: 2 [2 - **2**].
South Africa: Unknown locality: TM: 1 [1] - Cederberg, Algeria State Forest, campsite: TM: 6 [6 - **7** - **9**].

9 February 1978: Mozambique: Muchena: TM: 1 [1 - **1**].
South Africa: Cederberg, Algeria State Forest, campsite: TM: 4 [4 - **4** - **5**].
10 February 1978: South Africa: Unknown locality: TM: 1 [1] - Cederberg, Algeria State Forest, campsite: TM: 5 [5] - Pafuri area, Mockford's Garden: TM: 1 [1 - **7** - **7**].
11 February 1978: South Africa: Cederberg, Algeria State Forest, campsite: TM: 2 [2 - **2** - **2**].
7 February 1980: South Africa: Craigadam: TM: 1 [1 - **1** - **1**].
9 February 1980: South Africa: Doornkraal campsite: TM: 1 [1 - **1** - **1**].
14 February 1980: South Africa: Farm Doornpan: TM: 4 [4 - **4** - **4**].
30 October 1980: South Africa: Unknown locality: TM: 1 [1 - **1** - **1**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: 30

Rautenbach, Ignatius Lourens [=Naas]; Nel; van der Merwe, Mac.

25 January 1984: South Africa: Fig Tree Camp: TM: 1 [1 - **1** - **1**].
28 January 1984: South Africa: Mashikiri windmill: TM: 4 [4 - **4** - **4**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Nel; van der Merwe, Mac.: 5

Rautenbach, Ignatius Lourens [=Naas]; Nel; Wolhuter, David A.

1 September 1983: South Africa: Leuvuhu River: TM: 1 [1 - **1** - **1**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Nel; Wolhuter, David A.: 1

Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert

8 May 1977: South Africa: Augrabies Falls-NP: TM: 1 [1 - **1** - **1**].
8 September 1977: South Africa: Unknown locality: MMK: 1 [1] - Augrabies Falls-NP: TM: 1 [1 - **2** - **2**].
11 September 1979: South Africa: Levuvhu Hippopool: TM: 23 [23 - **23** - **23**].
12 September 1979: South Africa: Levuvhu Hippopool: TM: 13 [13 - **13** - **13**].
13 September 1979: South Africa: Levuvhu Hippopool: TM: 1 [1] - Pafuri area, Mockford's Garden: TM: 2 [2 - **3** - **3**].
14 September 1979: South Africa: Levuvhu Hippopool: TM: 14 [14 - **14** - **14**].
15 September 1979: South Africa: Levuvhu Hippopool: TM: 6 [6] - Pafuri area, Mockford's Garden: TM: 2 [2 - **8** - **8**].
16 September 1979: South Africa: Stangene Dam: TM: 2 [2 - **2** - **2**].
20 September 1979: South Africa: Mahembane: TM: 2 [2 - **2** - **2**].
21 September 1979: South Africa: Punda Maria Camp: TM: 9 [9] - Punda Milia: TM: 2 [2] - Punda Milia Camp: TM: 17 [17] - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein]: TM: 10 [10 - **38** - **38**].
22 September 1979: South Africa: Punda Milia: TM: 7 [7] - Punda Milia Camp: TM: 11 [11] - Shashanga windmill: TM: 1 [1 - **19** - **19**].
23 September 1979: South Africa: Shashanga windmill: TM: 23 [23 - **23** - **23**].
30 September 1979: South Africa: Mahembane: TM: 1 [1 - **1** - **1**].
18 November 1988: South Africa: Natures Valley Village: TM: 3 [3 - **3** - **3**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: 152

Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac

25 January 1984: South Africa: Figtree camp: TM: 13 [13 - **13** - **13**].
26 January 1984: South Africa: Figtree camp: TM: 2 [2] - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein]: TM: 6 [6 - **8** - **8**].
27 January 1984: South Africa: Figtree camp: TM: 3 [3 - **3** - **3**].
18 November 1988: South Africa: Natures Valley Village: TM: 1 [1 - **1** - **1**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: 25

Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.

7 October 1980: South Africa: Farm Nydas [=Cnydas]: TM: 11 [11] - Venterskroon: TM: 1 [1 - **12** - **12**].
9 October 1980: South Africa: Farm Nydas [=Cnydas]: TM: 7 [7 - **7** - **7**].
10 October 1980: South Africa: Farm Nydas [=Cnydas]: TM: 2 [2 - **2** - **2**].
12 October 1980: Namibia: Farm Rheinvels: TM: 1 [1 - **1** - **1**].
13 October 1980: Namibia: Farm Rheinvels: TM: 4 [4 - **4** - **4**].
14 October 1980: Namibia: Farm Rheinvels: TM: 3 [3 - **3** - **3**].
28 October 1980: Namibia: Swartkop: TM: 1 [1 - **1** - **1**].
30 October 1980: Namibia: Unknown locality: MMK: 2, TM: 1 [3] - Rosh Pinah: TM: 17 [17 - **20**].
South Africa: Farm Modderfontein, Howel Davies Caves: TM: 1 [1 - **1** - **21**].
31 October 1980: Namibia: Unknown locality: MMK: 1 [1] - Farm Huns 106: TM: 3 [3 - **4** - **4**].
11 November 1980: South Africa: Farm Nydas [=Cnydas]: TM: 1 [1 - **1** - **1**].
29 August 1983: South Africa: Figtree camp: TM: 2 [2 - **2** - **2**].
1 September 1983: South Africa: Figtree camp: TM: 12 [12 - **12** - **12**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: 70

Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Coetzee, C.G.

28 October 1980: Namibia: Swartkop: TM: 2 [2 - **2** - **2**].
30 October 1980: Namibia: Rosh Pinah: SMW: 7 [7 - **7** - **7**].
31 October 1980: Namibia: Farm Huns 106: SMW: 3 [3 - **3** - **3**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Coetzee, C.G.: 12

Rautenbach, Ignatius Lourens [=Naas]; Wright, Peter J.

23 October 1981: Zimbabwe: Sengwa Wildlife Research Station: TM: 16 [16 - **16** - **16**].
24 October 1981: Zimbabwe: Sengwa Wildlife Research Station: TM: 1 [1 - **1** - **1**].
2 November 1981: Zimbabwe: Rhodes Matopos -Nature Park [=Matobo National Park]: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Rautenbach, Ignatius Lourens [=Naas]; Wright, Peter J.: 18

Rautenberg

8 February 1899: Tanzania: Dar es Salaam: ZMH: 1 [1 - **1** - **1**].

Total Specimens for Rautenberg: 1

Raven, Henry Cushier
(1889 - 1944)

19 October 1919: South Africa: Ottoshoop: USNM: 75 [75 - **75** - **75**].
20 October 1919: South Africa: Ottershoop: USNM: 1 [1 - **1** - **1**].
4 November 1919: Zimbabwe: Victoria Falls: USNM: 1 [1 - **1** - **1**].
6 November 1919: Zimbabwe: Victoria Falls: USNM: 1 [1 - **1** - **1**].
11 November 1919: Zambia: Livingstone: USNM: 1 [1 - **1** - **1**].
14 November 1919: Zimbabwe: Victoria Falls: USNM: 6 [6 - **6** - **6**].
28 February 1920: Burundi: Nyanza: USNM: 1 [1 - **1** - **1**].
2 April 1920: Tanzania: Dar es Salaam: USNM: 1 [1 - **1** - **1**].
17 April 1920: Tanzania: Kilimanjaro, Mount: USNM: 1 [1 - **1** - **1**].
7 June 1920: Uganda: Masindi: USNM: 1 [1 - **1** - **1**].
9 July 1920: Uganda: Unknown locality: USNM: 1 [1] - Nabea: USNM: 1 [1 - **2** - **2**].
11 July 1920: Uganda: Nabea: USNM: 13 [13 - **13** - **13**].
12 July 1920: Uganda: Nabea: USNM: 6 [6 - **6** - **6**].
13 July 1920: Uganda: Nabea: USNM: 9 [9 - **9** - **9**].
14 July 1920: Uganda: Nabea: USNM: 5 [5 - **5** - **5**].
1 August 1930: Cameroon: Djaposten: AMNH: 8 [8 - **8** - **8**].

Total Specimens for Raven, Henry Cushier: 132

Ravoahangy, A,

25 May 2003: Madagascar: Ibity Massif, Tombamnoanjo: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Ravoahangy, A,: 2

Rawlins, K.

28 July 1958: Kenya: Menengai Crater, Mengengai cave: MCZ: 6 [6 - **6** - **6**].
8 August 1963: Kenya: Nakuru: ROM: 1 [1 - **1** - **1**].

Total Specimens for Rawlins, K.: 7

Rawlins, N.

Collection Date Unknown: Kenya: Menengai Crater, wall: LACM: 1 [1 - **1** - **1**].

Total Specimens for Rawlins, N.: 1

Razakarivony, Vola

11 November 2002: Madagascar: Belo sur Mer: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Razakarivony, Vola: 1

Razakarivony, Vola; Cardiff, Scott G.

8 April 2002: Madagascar: Réserve Spéciale d'Ankarana, Canyon d'Antsiroandoa Centre: FMNH: 6 [6 - **6** - **6**].

Total Specimens for Razakarivony, Vola; Cardiff, Scott G.: 6

Reade, H.O.

1 January 1930: Zambia: Unknown locality: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Reade, H.O.: 2

Reck

Collection Date Unknown: Tanzania: Tendaguru [=Tendaguro]: ZMB: 1 [1] - Tendoguru: ZMB: 2 [2 - **3** - **3**].

Total Specimens for Reck: 3

Reed, C.A.

Collection Date Unknown: Egypt: Unknown locality: YPM: 10 [10 - **10** - **10**].
4 January 1964: Egypt: Nag Hammadi, 16 km S: YPM: 6 [6 - **6** - **6**].

Total Specimens for Reed, C.A.: 16

Reeder, DeeAnn M.

4 August 2010: South Sudan: Jebel Gire, Base Camp: USNM: 1 [1 - **1** - **1**].
12 August 2010: South Sudan: Mundari Civil Hospital: USNM: 1 [1 - **1** - **1**].
16 September 2011: South Sudan: Mogiri, NW of town: USNM: 1 [1 - **1** - **1**].
4 October 2011: South Sudan: Kabi stream: USNM: 1 [1 - **1** - **1**].
9 October 2011: South Sudan: Kinyiba-Bekat, approximately 1 km west of town center: USNM: 7 [7] - Kinyiba-Bekat, ca. 1 km W of town center: USNM: 1 [1 - **8** - **8**].
21 July 2012: South Sudan: Bangangai Game Reserve, location 1: USNM: 6 [6 - **6** - **6**].
25 July 2012: South Sudan: Bangangai Game Reserve, location 6: USNM: 2 [2 - **2** - **2**].

Total Specimens for Reeder, DeeAnn M.: 20

Rees, A.F.

Collection Date Unknown: Tanzania: Kilosa: HZM: 1 [1] - Mahenge: BMNH: 2, HZM: 3 [5 - **6** - **6**].
19 October 1958: Tanzania: Nachingwea: HZM: 6 [6 - **6** - **6**].
9 February 1959: Tanzania: Mahenge: ROM: 1 [1 - **1** - **1**].
17 February 1959: Tanzania: Mwasa: FMNH: 1 [1 - **1** - **1**].
7 May 1959: Tanzania: Igalula: HZM: 1 [1 - **1** - **1**].
26 June 1960: Tanzania: Kilosa: ROM: 1 [1 - **1** - **1**].
4 October 1961: Tanzania: Lukoga: HZM: 1 [1 - **1** - **1**].

Total Specimens for Rees, A.F.: 17

Rees, A.F.; Start, Anthony N.

26 February 1964: Tanzania: Muhange: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Rees, A.F.; Start, Anthony N.: 1

Rees, A.F.?

10 June 1958: Tanzania: Mbemba: SMF: 1 [1 - **1** - **1**].
19 December 1958: Tanzania: Kilosa: HZM: 1 [1 - **1** - **1**].
17 January 1959: Tanzania: Kilosa: HZM: 1 [1 - **1** - **1**].
7 February 1959: Tanzania: Kichanjane: HZM: 1 [1 - **1** - **1**].
4 October 1961: Tanzania: Lukoga: HZM: 1 [1 - **1** - **1**].
24 January 1962: Tanzania: Kilosa: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Rees, A.F.?: 6

Regner

Collection Date Unknown: Tanzania: Pangani river: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Regner: 1

Reichenow, Anton
(1 August 1874: Berlin - 6 July 1941: Berlin)

Collection Date Unknown: Cameroon: Unknown locality: ZMB: 1 [1] - Ajos Höhe [=Ayos Heights]: ZMB: 2 [2 - **3**].
Ghana: Abokobi: ZMB: 3 [3] - Accra: ZMB: 5 [5] - Aguapim: ZMB: 1 [1 - **9** - **12**].

Total Specimens for Reichenow, Anton: 12

Reid, C.J.

29 January 1978: Nigeria: Alimbo Ferry Road: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Reid, C.J.: 1

Reimer

Collection Date Unknown: Tanzania: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Reimer: 1

Reis, J.A.

Collection Date Unknown: Cameroon: Lolodorf: CM: 9 [9 - **9** - **9**].
20 March 1914: Cameroon: Lolodorf: CM: 1 [1 - **1** - **1**].
14 May 1918: Cameroon: Lolodorf: CM: 2 [2 - **2** - **2**].
17 February 1920: Cameroon: Kribi: CM: 1 [1 - **1** - **1**].
18 January 1922: Cameroon: Edéa: FMNH: 1 [1 - **1** - **1**].
3 March 1922: Cameroon: Edéa: FMNH: 1 [1 - **1** - **1**].
8 November 1922: Cameroon: Edéa: FMNH: 1 [1 - **1** - **1**].
21 August 1924: Cameroon: Sakbayeme: FMNH: 3 [3 - **3** - **3**].
27 April 1931: Cameroon: Sakbayeme: FMNH: 1 [1 - **1** - **1**].
13 June 1931: Cameroon: Sakbayeme: FMNH: 1 [1 - **1** - **1**].
29 July 1931: Cameroon: Sakbayeme: FMNH: 1 [1 - **1** - **1**].
7 August 1931: Cameroon: Sakbayeme: FMNH: 1 [1 - **1** - **1**].
12 August 1931: Cameroon: Sakbayeme, Masok: FMNH: 8 [8 - **8** - **8**].
11 September 1931: Cameroon: Ngobilo: FMNH: 1 [1 - **1** - **1**].
16 September 1931: Cameroon: Son Jem: FMNH: 4 [4 - **4** - **4**].
3 December 1932: Cameroon: Sakbayeme: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Reis, J.A.: 37

Reitter

Collection Date Unknown: Congo (Democratic Republic of the): Ibambi: RMCA: 8 [8] - Pawa: RMCA: 3 [3 - **11** - **11**].

Total Specimens for Reitter: 11

Remaele

1 June 1932: Congo (Democratic Republic of the): Lukulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Remaele: 1

Rendall, Percy

Collection Date Unknown: South Africa: Kaap river: BMNH: 1 [1 - **1**].
The Gambia: Unknown locality: BMNH: 1 [1] - Banjul: BMNH: 1 [1] - Bathurst [=Banjul]: BMNH: 3 [3 - **5** - **6**].
4 April 1839: The Gambia: Gambia river, lower: BMNH: 2 [2 - **2** - **2**].
25 April 1895: Malawi: Fort Johnston: BMNH: 1 [1 - **1** - **1**].
28 April 1895: Malawi: Fort Johnston: BMNH: 1 [1 - **1** - **1**].
14 June 1895: Malawi: Shire river, upper: SMTD: 1 [1 - **1** - **1**].
28 June 1895: Malawi: Upper Shire River: FMNH: 1 [1 - **1** - **1**].
5 September 1895: Malawi: Shire river, upper: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Rendall, Percy: 13

Retzlaff, M.

17 June 1910: Cameroon: Bibundi: ZMH: 1 [1 - **1** - **1**].
16 July 1911: Cameroon: Bibundi: ZMH: 2 [2 - **2** - **2**].
2 December 1914: Cameroon: Isongo: ZMH: 1 [1 - **1** - **1**].

Total Specimens for Retzlaff, M.: 4

Revoil

Collection Date Unknown: Djibouti: Djibouti: MCZ: 1 [1 - **1**].
Somalia: Somalia: MNHN: 4 [4 - **4** - **5**].

Total Specimens for Revoil: 5

Rex, J.H.

Collection Date Unknown: South Africa: Knysna: TM: 5 [5 - **5** - **5**].
1 February 1909: South Africa: Knysna: TM: 1 [1 - **1** - **1**].

Total Specimens for Rex, J.H.: 6

Rhode

1 January 1905: Cameroon: Murkoryé: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Rhode: 1

Richard

Collection Date Unknown: Congo (Democratic Republic of the): Bas Congo: RMCA: 1 [1] - Elisabethville: RMCA: 1 [1 - **2** - **2**].
1 March 1934: Congo (Democratic Republic of the): Dilolo station: RMCA: 1 [1 - **1** - **1**].
1 August 1934: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].
1 January 1949: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Richard: 5

Richards, G.

19 August 1982: South Africa: Gillets: DNSM: 2 [2 - **2** - **2**].

Total Specimens for Richards, G.: 2

Richards, Jh.C.N.

Collection Date Unknown: Sierra Leone: Levuma: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Richards, Jh.C.N.: 1

Richards, Leigh R.

1 April 2014: South Africa: Entumeni Nature Reserve: DNSM: 2 [2 - **2** - **2**].
7 April 2016: South Africa: Sandile's Rest Trout and Forest Country Estate: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Richards, Leigh R.: 3

Richardson, C.E.

9 September 1961: Malawi: Sunnyside: NMMB: 1 [1 - **1** - **1**].

Total Specimens for Richardson, C.E.: 1

Richardson, E.

13 March 1996: South Africa: Pinetown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Richardson, E.: 1

Richardson, E.J.

19 July 1983: South Africa: University of Natal: DNSM: 1 [1 - **1** - **1**].
2 November 2010: South Africa: Ntsizwe mine: DNSM: 3 [3 - **3** - **3**].

Total Specimens for Richardson, E.J.: 4

Richardson, Jenness

23 December 1912: Kenya: Uasin Gishu District: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Richardson, Jenness: 2

Richardson, P.

1 August 1977: Namibia: Namibia Desert Research Station [= DERU]: TM: 12 [12 - **12** - **12**].

Total Specimens for Richardson, P.: 12

Richardson; Kearney, Teresa Catherine

6 January 2000: South Africa: Pietermaritzburg: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Richardson; Kearney, Teresa Catherine: 1

Richardson; Mari

13 May 1996: South Africa: Westville: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Richardson; Mari: 1

Richers

Collection Date Unknown: Togo: Kadjamba: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Richers: 1

Rift Valley Expedition, The

Collection Date Unknown: Kenya: Unknown locality: BMNH: 1 [1 - **1**].
Sudan: Unknown locality: BMNH: 1 [1 - **1**].
Uganda: Unknown locality: BMNH: 2 [2] - Turkwell River: BMNH: 1 [1 - **3** - **5**].

Total Specimens for Rift Valley Expedition, The: 5

Rigaux, P.; Louette, Michel

27 February 1980: Liberia: Unknown locality: RMCA: 1 [1] - L.T.C.: RMCA: 1 [1 - **2** - **2**].
29 February 1980: Liberia: L.T.C.: RMCA: 1 [1 - **1** - **1**].
3 March 1980: Liberia: L.T.C.: RMCA: 1 [1 - **1** - **1**].
8 March 1980: Liberia: Grassfield: RMCA: 4 [4 - **4** - **4**].
9 March 1980: Liberia: Grassfield: RMCA: 1 [1 - **1** - **1**].
10 March 1980: Liberia: Grassfield: RMCA: 1 [1 - **1** - **1**].
11 March 1980: Liberia: Grassfield: RMCA: 1 [1 - **1** - **1**].
12 March 1980: Liberia: Grassfield: RMCA: 1 [1 - **1** - **1**].
13 March 1980: Liberia: Grassfield: RMCA: 2 [2 - **2** - **2**].
15 March 1980: Liberia: Grassfield: RMCA: 1 [1 - **1** - **1**].
16 March 1980: Liberia: Grassfield: RMCA: 5 [5 - **5** - **5**].
22 March 1980: Liberia: C.L.C.: RMCA: 3 [3 - **3** - **3**].
23 March 1980: Liberia: Sweaken: RMCA: 3 [3 - **3** - **3**].
24 March 1980: Liberia: Duo Town: RMCA: 1 [1] - Sweaken: RMCA: 3 [3 - **4** - **4**].
25 March 1980: Liberia: Duo Town: RMCA: 1 [1 - **1** - **1**].
26 March 1980: Liberia: Duo Town: RMCA: 1 [1 - **1** - **1**].
27 March 1980: Liberia: Duo Town: RMCA: 2 [2 - **2** - **2**].
28 March 1980: Liberia: Duo Town: RMCA: 1 [1 - **1** - **1**].
29 March 1980: Liberia: Duo Town: RMCA: 3 [3 - **3** - **3**].
30 March 1980: Liberia: Duo Town: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Rigaux, P.; Louette, Michel: 39

Riggenbach

Collection Date Unknown: Cameroon: Unknown locality: ZMB: 2 [2 - **2**].
Senegal: Unknown locality: ZMB: 1 [1] - Ndoro: ZMB: 2 [2] - Thiès: ZMB: 4 [4 - **7** - **9**].

Total Specimens for Riggenbach: 9

Riney, Thane H.

Collection Date Unknown: Eritrea: Sciumagalle Mine: MVZ: 31 [31 - **31** - **31**].

Total Specimens for Riney, Thane H.: 31

Rippenbach

Collection Date Unknown: Senegal: Thiès: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Rippenbach: 1

Risser, A.C.

28 August 1963: South Africa: Neiman's Farm: USNM: 1 [1 - **1** - **1**].
2 November 1963: South Africa: Uitkomst, Farm 499: USNM: 10 [10 - **10** - **10**].
3 November 1963: South Africa: Uitkomst, Farm 499: USNM: 9 [9 - **9** - **9**].
4 November 1963: South Africa: Uitkomst, Farm 499: USNM: 18 [18 - **18** - **18**].
20 November 1963: Namibia: Namibia Desert Research Station [= DERU]: USNM: 2 [2 - **2** - **2**].
8 December 1963: South Africa: Modderfontein, farm: USNM: 1 [1] - Springbok, 7 mi W: USNM: 4 [4 - **5** - **5**].
10 December 1963: South Africa: Modderfontein, farm: USNM: 4 [4 - **4** - **4**].
11 December 1963: South Africa: Modderfontein, farm: USNM: 2 [2 - **2** - **2**].
12 December 1963: South Africa: Modderfontein, farm: USNM: 1 [1] - Springbok, 7 mi W: USNM: 1 [1 - **2** - **2**].
24 January 1964: South Africa: Brakfontein: USNM: 9 [9 - **9** - **9**].
26 January 1964: South Africa: De Hoop Provincial Nature Reserve: USNM: 3 [3 - **3** - **3**].
28 January 1964: South Africa: De Hoop Provincial Nature Reserve: USNM: 1 [1] - De Hoop, 24 km NNE: USNM: 1 [1 - **2** - **2**].
29 January 1964: South Africa: De Hoop Provincial Nature Reserve: USNM: 5 [5 - **5** - **5**].
1 February 1964: South Africa: Deelfontein, Farm: USNM: 7 [7 - **7** - **7**].
2 February 1964: South Africa: Deelfontein, Farm: USNM: 5 [5 - **5** - **5**].
15 February 1964: South Africa: Coloniesplaats: USNM: 5 [5 - **5** - **5**].
24 February 1964: South Africa: Pirie Trout hatchery: USNM: 3 [3 - **3** - **3**].
12 March 1964: South Africa: Knoffelfontein: USNM: 1 [1 - **1** - **1**].
14 March 1964: South Africa: Knoffelfontein: USNM: 4 [4 - **4** - **4**].
19 March 1964: South Africa: Glen: USNM: 22 [22 - **22** - **22**].
20 March 1964: South Africa: Glen: USNM: 9 [9 - **9** - **9**].
22 March 1964: South Africa: Glen: USNM: 3 [3 - **3** - **3**].
25 April 1964: South Africa: Makatini Flats, 20 mi [=32 km] E: USNM: 1 [1 - **1** - **1**].
26 April 1964: South Africa: Makatini Flats, 20 mi [=32 km] E: USNM: 2 [2 - **2** - **2**].
4 May 1964: South Africa: Maputa: USNM: 4 [4 - **4** - **4**].
5 May 1964: South Africa: Maputa: USNM: 13 [13 - **13** - **13**].
7 May 1964: South Africa: Kosi Bay: USNM: 1 [1] - Maputa: USNM: 1 [1 - **2** - **2**].
24 January 1966: South Africa: Brakfontein: USNM: 3 [3 - **3** - **3**].

Total Specimens for Risser, A.C.: 156

RN

3 September 1963: Botswana: Maun: FMNH: 1 [1 - **1** - **1**].
20 June 1970: Botswana: Maun: FMNH: 1 [1 - **1** - **1**].

Total Specimens for RN: 2

Robb, A.

Collection Date Unknown: Nigeria: Calabar: BMNH: 3 [3] - Elem Kalabari [= Old Calabar]: BMNH: 1 [1 - **4**].
Tanzania: Zanzibar: BMNH: 4 [4 - **4** - **8**].

Total Specimens for Robb, A.: 8

Robbins

19 December 1968: Côte d'Ivoire: Anda: RMCA: 1 [1 - **1** - **1**].
18 January 1969: Côte d'Ivoire: Blékoum: RMCA: 1 [1 - **1** - **1**].
1 November 1973: Cameroon: Eseka: RMCA: 4 [4 - **4** - **4**].

Total Specimens for Robbins: 6

Robbins, C. Brian

Collection Date Unknown: Ghana: Legon: USNM: 9 [9 - **9**].
Togo: Gbatope: USNM: 1 [1] - Pagala: USNM: 1 [1 - **2** - **11**].
13 April 1967: Mauritania: Tiguent: USNM: 2 [2 - **2** - **2**].
16 April 1967: Mauritania: Garak: USNM: 177 [177 - **177** - **177**].
28 April 1967: Mauritania: Rosso: USNM: 50 [50 - **50** - **50**].
1 May 1967: Mauritania: Garak: USNM: 2 [2 - **2** - **2**].
2 May 1967: Mauritania: Garak: USNM: 1 [1 - **1** - **1**].
8 May 1967: Mauritania: Boghé, 8 km N: USNM: 1 [1 - **1** - **1**].
12 May 1967: Mauritania: Aleg, 3 km S: USNM: 2 [2 - **2** - **2**].
16 May 1967: Mauritania: Aleg, 3 km S: USNM: 25 [25 - **25** - **25**].
24 June 1967: Senegal: Ranerou: USNM: 1 [1 - **1** - **1**].
25 June 1967: Senegal: Ranerou, 13 km NW: USNM: 17 [17 - **17** - **17**].

26 June 1967: Senegal: Ranerou, 13 km NW: USNM: 17 [17] - Ranerou, 7 km SE: USNM: 2 [2 - **19** - **19**].
27 June 1967: Senegal: Ranerou, 7 km SE: USNM: 22 [22 - **22** - **22**].
27 July 1967: Senegal: Ranerou, 7 km SE: USNM: 28 [28 - **28** - **28**].
26 September 1967: Ghana: University of Ghana: USNM: 11 [11 - **11** - **11**].
9 October 1967: Ghana: Berekuso, 1 mi N: USNM: 2 [2 - **2** - **2**].
16 October 1967: Ghana: Berekuso, 1 mi N: USNM: 2 [2 - **2** - **2**].
18 October 1967: Ghana: Achimota: USNM: 5 [5 - **5** - **5**].
28 October 1967: Ghana: Kade, 6 mi [=9.7 km] NW: USNM: 1 [1 - **1** - **1**].
16 November 1967: Ghana: Doyum: USNM: 25 [25 - **25** - **25**].
23 November 1967: Ghana: Teshi: USNM: 27 [27 - **27** - **27**].
25 November 1967: Ghana: Teshi: USNM: 27 [27 - **27** - **27**].
26 November 1967: Ghana: Teshi: USNM: 43 [43 - **43** - **43**].
28 November 1967: Ghana: Legon: USNM: 1 [1] - University of Ghana: USNM: 9 [9 - **10** - **10**].
30 November 1967: Ghana: Akosombo: USNM: 11 [11] - University of Ghana: USNM: 2 [2 - **13** - **13**].
1 December 1967: Ghana: University of Ghana: USNM: 5 [5 - **5** - **5**].
17 December 1967: Ghana: Weija: USNM: 29 [29 - **29** - **29**].
14 January 1968: Benin: Diho: USNM: 4 [4 - **4** - **4**].
16 January 1968: Benin: Diho: USNM: 1 [1 - **1** - **1**].
19 January 1968: Benin: Bimbereke: USNM: 4 [4] - Bimbéréké: USNM: 4 [4 - **8** - **8**].
20 January 1968: Benin: Bimbereke: USNM: 10 [10] - Bimbéréké: USNM: 6 [6 - **16** - **16**].
21 January 1968: Benin: Bimbereke: USNM: 11 [11 - **11** - **11**].
22 January 1968: Benin: Bimbereke: USNM: 20 [20 - **20** - **20**].
23 January 1968: Benin: Bimbereke: USNM: 10 [10 - **10** - **10**].
29 January 1968: Benin: Guéné: USNM: 41 [41 - **41** - **41**].
31 January 1968: Benin: Guéné: USNM: 18 [18 - **18** - **18**].
1 February 1968: Benin: Guéné: USNM: 9 [9 - **9** - **9**].
13 February 1968: Benin: Segbana: USNM: 4 [4] - Ségbana: USNM: 3 [3 - **7** - **7**].
15 February 1968: Benin: Segbana: USNM: 14 [14 - **14** - **14**].
16 February 1968: Benin: Nikki: USNM: 1 [1] - Segbana: USNM: 18 [18] - Ségbana: USNM: 2 [2 - **21** - **21**].
19 February 1968: Benin: Nikki: USNM: 5 [5 - **5** - **5**].
22 February 1968: Benin: Nikki: USNM: 1 [1 - **1** - **1**].
24 February 1968: Benin: Nikki: USNM: 12 [12 - **12** - **12**].
27 February 1968: Benin: Parakou: USNM: 4 [4 - **4** - **4**].
28 February 1968: Benin: Parakou: USNM: 1 [1 - **1** - **1**].
29 February 1968: Benin: Parakou: USNM: 3 [3] - Tourou: USNM: 20 [20 - **23** - **23**].
5 March 1968: Benin: Kétou: USNM: 3 [3 - **3** - **3**].
6 March 1968: Benin: Kétou: USNM: 19 [19 - **19** - **19**].
7 March 1968: Benin: Kétou: USNM: 2 [2 - **2** - **2**].
14 April 1968: Benin: Zizonkame: USNM: 6 [6 - **6** - **6**].
15 April 1968: Benin: Zizonkame: USNM: 10 [10 - **10** - **10**].
16 April 1968: Benin: Zizonkame: USNM: 3 [3 - **3** - **3**].
17 April 1968: Benin: Zizonkame: USNM: 5 [5 - **5** - **5**].
18 April 1968: Benin: Zizonkame: USNM: 1 [1 - **1** - **1**].
21 April 1968: Benin: Soubroukou: USNM: 5 [5 - **5** - **5**].
22 April 1968: Benin: Soubroukou: USNM: 2 [2 - **2** - **2**].
23 April 1968: Benin: Soubroukou: USNM: 7 [7 - **7** - **7**].
24 April 1968: Benin: Soubroukou: USNM: 15 [15 - **15** - **15**].
26 April 1968: Benin: Kouande: USNM: 2 [2 - **2** - **2**].
29 April 1968: Benin: Kouande: USNM: 1 [1 - **1** - **1**].
5 May 1968: Benin: Porga: USNM: 17 [17 - **17** - **17**].
6 May 1968: Benin: Porga: USNM: 67 [67 - **67** - **67**].
7 May 1968: Benin: Porga: USNM: 106 [106 - **106** - **106**].
9 May 1968: Togo: Dapango: USNM: 15 [15 - **15** - **15**].
10 May 1968: Togo: Dapango: USNM: 13 [13 - **13** - **13**].
11 May 1968: Togo: Dapango: USNM: 7 [7 - **7** - **7**].
16 May 1968: Togo: Padori: USNM: 25 [25 - **25** - **25**].
19 May 1968: Togo: Padori: USNM: 10 [10 - **10** - **10**].
22 May 1968: Togo: Péwa: USNM: 5 [5 - **5** - **5**].
24 May 1968: Togo: Péwa: USNM: 1 [1 - **1** - **1**].
25 May 1968: Togo: Péwa: USNM: 37 [37 - **37** - **37**].
27 May 1968: Togo: Pagala: USNM: 3 [3 - **3** - **3**].
29 May 1968: Togo: Pagala: USNM: 6 [6 - **6** - **6**].
30 May 1968: Togo: Pagala: USNM: 1 [1 - **1** - **1**].
31 May 1968: Togo: Pagala: USNM: 1 [1 - **1** - **1**].
16 June 1968: Benin: Ayitedjou: USNM: 1 [1 - **1** - **1**].
17 June 1968: Benin: Ayitedjou: USNM: 1 [1 - **1** - **1**].
21 June 1968: Benin: Kpodave: USNM: 9 [9 - **9** - **9**].
22 June 1968: Benin: Kpodave: USNM: 31 [31 - **31** - **31**].
23 June 1968: Benin: Kpodave: USNM: 1 [1 - **1** - **1**].
24 June 1968: Benin: Kpodave: USNM: 2 [2] - Mono province: USNM: 1 [1 - **3** - **3**].
27 June 1968: Togo: Gbatope: USNM: 32 [32 - **32** - **32**].
28 June 1968: Togo: Gbatope: USNM: 17 [17 - **17** - **17**].
1 July 1968: Togo: Ezimé: USNM: 10 [10 - **10** - **10**].
2 July 1968: Togo: Ezimé: USNM: 8 [8 - **8** - **8**].
4 July 1968: Togo: Ezimé: USNM: 8 [8 - **8** - **8**].
5 July 1968: Togo: Ezimé: USNM: 11 [11 - **11** - **11**].

7 July 1968: Togo: Agou: USNM: 1 [1 - **1** - **1**].
11 July 1968: Togo: Agou: USNM: 18 [18 - **18** - **18**].
11 October 1968: Ghana: Oda: USNM: 1 [1 - **1** - **1**].
16 May 1971: Mauritania: Aleg, 3 km S: USNM: 1 [1 - **1** - **1**].
1 June 1979: Congo (Democratic Republic of the): Yalosemba: MHNG: 2 [2 - **2** - **2**].
11 June 1979: Congo (Democratic Republic of the): Tandala: USNM: 1 [1 - **1** - **1**].
12 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 2 [2 - **2** - **2**].
13 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 2 [2 - **2** - **2**].
15 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 1 [1 - **1** - **1**].
16 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 1 [1 - **1** - **1**].
17 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 37 [37 - **37** - **37**].
18 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 1 [1 - **1** - **1**].
19 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 5 [5] - Yamazo Yamono: USNM: 4 [4 - **9** - **9**].
20 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 1 [1 - **1** - **1**].
21 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 2 [2 - **2** - **2**].
22 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 5 [5 - **5** - **5**].
23 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 2 [2 - **2** - **2**].
26 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 2 [2 - **2** - **2**].
27 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 6 [6 - **6** - **6**].
28 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 6 [6 - **6** - **6**].
30 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 1 [1 - **1** - **1**].
6 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 1 [1 - **1** - **1**].
7 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 5 [5 - **5** - **5**].
10 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 1 [1 - **1** - **1**].
11 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 1 [1 - **1** - **1**].
12 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 19 [19 - **19** - **19**].
13 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 4 [4 - **4** - **4**].
14 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 1 [1 - **1** - **1**].
16 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 7 [7 - **7** - **7**].
18 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 3 [3 - **3** - **3**].
19 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 2 [2 - **2** - **2**].
20 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 1 [1 - **1** - **1**].
21 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 8 [8 - **8** - **8**].
20 April 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 8 [8 - **8** - **8**].
29 April 1984: Sierra Leone: Outamba-Kilimi-NP, Kilimi section: USNM: 2 [2 - **2** - **2**].
16 May 1984: Sierra Leone: Outamba-Kilimi-NP, Outamba section: USNM: 7 [7 - **7** - **7**].
17 May 1984: Sierra Leone: Outamba-Kilimi-NP, Outamba section: USNM: 2 [2 - **2** - **2**].
18 May 1984: Sierra Leone: Outamba-Kilimi-NP, Outamba section: USNM: 3 [3 - **3** - **3**].
19 May 1984: Sierra Leone: Outamba-Kilimi-NP, Outamba section: USNM: 1 [1 - **1** - **1**].
22 May 1984: Sierra Leone: Outamba-Kilimi-NP: USNM: 11 [11 - **11** - **11**].
23 May 1984: Sierra Leone: Outamba-Kilimi-NP: USNM: 8 [8 - **8** - **8**].
24 May 1984: Sierra Leone: Outamba-Kilimi-NP: USNM: 5 [5 - **5** - **5**].
25 May 1984: Sierra Leone: Outamba-Kilimi-NP: USNM: 1 [1 - **1** - **1**].
26 May 1984: Sierra Leone: Outamba-Kilimi-NP: USNM: 1 [1 - **1** - **1**].

Total Specimens for Robbins, C. Brian: 1515

Robbins, C. Brian; Schmidt, D.F.

16 April 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 10 [10 - **10** - **10**].
30 April 1984: Sierra Leone: Outamba-Kilimi-NP, Kilimi section: USNM: 3 [3 - **3** - **3**].
15 May 1984: Sierra Leone: Outamba-Kilimi-NP, Outamba section: USNM: 8 [8 - **8** - **8**].

Total Specimens for Robbins, C. Brian; Schmidt, D.F.: 21

Robbins, Lynn W.

Collection Date Unknown: Cameroon: Eseka, 5 km SW: CM: 12 [12 - **12**].
Central African Republic: Bangassou: CM: 5 [5] - M'Baiki: CM: 3 [3 - **8**].
Côte d'Ivoire: Adiopodoumé: AMNH: 2 [2] - Bouaké: AMNH: 1 [1] - Bouna: USNM: 3 [3] - Sassandra River: ZMA: 2 [2] - Toumodi, 5 km SE: AMNH: 14 [14 - **22**].
Malawi: MacLear, cape: CM: 3 [3 - **3**].
South Africa: Barberton, 14 km NW: CM: 1 [1] - Pennington: CM: 2 [2 - **3** - **48**].
16 July 1967: Congo (Democratic Republic of the): Tandala: USNM: 1 [1 - **1** - **1**].
13 September 1968: Ghana: Legon: USNM: 1 [1 - **1** - **1**].
23 September 1968: Ghana: Legon: USNM: 5 [5 - **5** - **5**].
24 September 1968: Ghana: Legon: USNM: 6 [6 - **6** - **6**].
25 September 1968: Ghana: Legon: USNM: 2 [2 - **2** - **2**].
28 September 1968: Ghana: Legon: USNM: 1 [1 - **1** - **1**].
7 October 1968: Ghana: Legon: USNM: 11 [11 - **11** - **11**].
10 October 1968: Ghana: Oda: USNM: 3 [3 - **3** - **3**].
11 October 1968: Ghana: Oda: USNM: 1 [1 - **1** - **1**].
13 October 1968: Ghana: Oda: USNM: 7 [7 - **7** - **7**].
15 October 1968: Ghana: Oda: USNM: 7 [7 - **7** - **7**].
11 December 1968: Côte d'Ivoire: Yapo-Sud: USNM: 3 [3 - **3** - **3**].

13 December 1968: Côte d'Ivoire: Yapo-Sud: USNM: 1 [1 - **1** - **1**].
10 January 1969: Côte d'Ivoire: Ehania: RMCA: 1 [1 - **1** - **1**].
12 January 1969: Côte d'Ivoire: Ehania: RMCA: 1, USNM: 1 [2 - **2** - **2**].
14 January 1969: Côte d'Ivoire: Ehania: RMCA: 1 [1 - **1** - **1**].
27 February 1969: Côte d'Ivoire: Niébé: USNM: 1 [1 - **1** - **1**].
3 March 1969: Côte d'Ivoire: Duékoué: ORSTOM: 1 [1] - Kahin: USNM: 1 [1 - **2** - **2**].
5 March 1969: Côte d'Ivoire: Kahin: USNM: 1 [1 - **1** - **1**].
18 April 1969: Côte d'Ivoire: Adiopodoumé: USNM: 1 [1 - **1** - **1**].
22 April 1969: Côte d'Ivoire: Adiopodoumé: USNM: 1 [1 - **1** - **1**].
15 May 1969: Côte d'Ivoire: Kong: USNM: 1 [1 - **1** - **1**].
19 May 1969: Côte d'Ivoire: Kong: USNM: 2 [2 - **2** - **2**].
29 May 1969: Côte d'Ivoire: Banco Forest: USNM: 2 [2] - Banco, forêt de: USNM: 1 [1 - **3** - **3**].
12 June 1969: Côte d'Ivoire: Soubre, 10 mi WNW: USNM: 1 [1 - **1** - **1**].
13 June 1969: Côte d'Ivoire: Soubre, 10 mi WNW: USNM: 1 [1 - **1** - **1**].
14 June 1969: Côte d'Ivoire: Saubre: USNM: 1 [1 - **1** - **1**].
1 July 1969: Côte d'Ivoire: Bouna: USNM: 1 [1] - Douna: USNM: 1 [1 - **2** - **2**].
5 July 1969: Côte d'Ivoire: Bouna: USNM: 4 [4 - **4** - **4**].
14 July 1969: Côte d'Ivoire: Fetekro: USNM: 1 [1 - **1** - **1**].
16 July 1969: Côte d'Ivoire: Fetekro: USNM: 2 [2 - **2** - **2**].
20 October 1969: Morocco: Asni, 2 km N: USNM: 1 [1 - **1** - **1**].
25 October 1969: Morocco: Tanger, 13 km W: USNM: 13 [13 - **13** - **13**].
5 November 1969: Morocco: Assa: USNM: 10 [10 - **10** - **10**].
30 November 1969: Côte d'Ivoire: Banco Forest: USNM: 1 [1 - **1** - **1**].
23 February 1970: Morocco: Ouarzazate, 5 km S: USNM: 2 [2] - Ouarzazate, 6 km N: USNM: 1 [1 - **3** - **3**].
24 February 1970: Morocco: Ouarzazate, 5 km S: USNM: 1 [1 - **1** - **1**].
26 February 1970: Morocco: Ouarzazate, 9 km SE: USNM: 1 [1 - **1** - **1**].
4 March 1970: Morocco: Tazarine: USNM: 2 [2] - Tazarine, 3 km NW: USNM: 2 [2 - **4** - **4**].
5 March 1970: Morocco: Tazarine, 3 km NW: USNM: 15 [15 - **15** - **15**].
10 March 1970: Morocco: Foum Zguid: USNM: 2 [2] - Foum Zguid, 4 km S: USNM: 1 [1 - **3** - **3**].
11 March 1970: Morocco: Foum Zguid, 4 km S: USNM: 2 [2 - **2** - **2**].
16 March 1970: Morocco: Tata, 15 km S: USNM: 2 [2] - Tata, 8 km N: USNM: 6 [6 - **8** - **8**].
17 March 1970: Morocco: Tata, 15 km S: USNM: 1 [1 - **1** - **1**].
15 April 1970: Morocco: Safi, 13 km S: USNM: 6 [6 - **6** - **6**].
22 April 1970: Morocco: Mechra Benabbou, 11 km SE: USNM: 31 [31 - **31** - **31**].
5 May 1970: Morocco: Tiflet, 21 km W: USNM: 5 [5 - **5** - **5**].
6 May 1970: Morocco: Tiflet, 15 km W: USNM: 6 [6 - **6** - **6**].
13 May 1970: Morocco: Hercules caves: USNM: 35 [35 - **35** - **35**].
14 May 1970: Morocco: Hercules caves: USNM: 47 [47 - **47** - **47**].
21 May 1970: Morocco: Chechaouen: USNM: 19 [19 - **19** - **19**].
24 May 1970: Morocco: Chechaouen: USNM: 1 [1 - **1** - **1**].
28 May 1970: Morocco: Al Hoceima, 9 km SE: USNM: 3 [3 - **3** - **3**].
30 May 1970: Morocco: Al Hoceima: USNM: 43 [43 - **43** - **43**].
3 June 1970: Morocco: Taforalt, 9 km NE: USNM: 30 [30 - **30** - **30**].
5 June 1970: Morocco: Taforalt, 9 km NE: USNM: 57 [57 - **57** - **57**].
16 June 1970: Morocco: Taza, 13 km S: USNM: 1 [1 - **1** - **1**].
29 June 1970: Morocco: Missour, 15 km SW: USNM: 1 [1 - **1** - **1**].
30 June 1970: Morocco: Missour: USNM: 1 [1 - **1** - **1**].
1 July 1970: Morocco: Missour, 15 km SW: USNM: 2 [2 - **2** - **2**].
2 July 1970: Morocco: Anoual: USNM: 1 [1 - **1** - **1**].
18 July 1970: Morocco: Ouarzazate, 19 km E: USNM: 29 [29] - Ouarzazate, 5 km SE: USNM: 2 [2] - Ouarzazate, 5 km SW: USNM: 4 [4 - **35** - **35**].
19 July 1970: Morocco: Ouarzazate, 19 km E: USNM: 17 [17 - **17** - **17**].
12 March 1971: Algeria: Tamanrasset, 110 km NW: USNM: 1 [1 - **1** - **1**].
19 March 1971: Algeria: Tamanrasset, 55 km N: USNM: 1 [1 - **1** - **1**].
11 June 1971: Côte d'Ivoire: Lakota, 15 km N: AMNH: 13 [13 - **13** - **13**].
12 June 1971: Côte d'Ivoire: Guéboua: AMNH: 2 [2] - Lakota, 15 km N: AMNH: 1 [1 - **3** - **3**].
12 July 1971: Côte d'Ivoire: Lakota, 15 km N: AMNH: 3 [3 - **3** - **3**].
31 July 1971: Liberia: Tchien, 25 km N: AMNH: 6 [6 - **6** - **6**].
1 August 1971: Liberia: Tars Town: AMNH: 1 [1] - Tchien: AMNH: 1 [1] - Tchien, 25 km N: AMNH: 4 [4 - **6** - **6**].
3 August 1971: Liberia: Tchien: AMNH: 1 [1 - **1** - **1**].
4 August 1971: Liberia: Tchien, 7 km N: AMNH: 2 [2 - **2** - **2**].
12 August 1971: Côte d'Ivoire: Adiopodoumé: AMNH: 4 [4 - **4** - **4**].
15 August 1971: Côte d'Ivoire: Adiopodoumé: AMNH: 1 [1 - **1** - **1**].
19 August 1971: Côte d'Ivoire: Toumodi: AMNH: 2 [2 - **2** - **2**].
20 August 1971: Côte d'Ivoire: Toumodi, 5 km SE: AMNH: 1 [1 - **1** - **1**].
24 August 1971: Côte d'Ivoire: Adiopodoumé: AMNH: 1 [1 - **1** - **1**].
3 September 1971: Ghana: Bimbilla, 15 mi [=24 km] S: AMNH: 21 [21 - **21** - **21**].
4 September 1971: Ghana: Bimbilla, 15 mi [=24 km] S: AMNH: 4 [4 - **4** - **4**].
6 September 1971: Ghana: Bimbilla, 15 mi [=24 km] S: AMNH: 2 [2 - **2** - **2**].
17 September 1971: Ghana: Accra, 9 mi [=14.5 km] NE: AMNH: 6 [6 - **6** - **6**].
1 October 1971: Côte d'Ivoire: Abidjan, 17 km W: AMNH: 2 [2 - **2** - **2**].
12 November 1971: Côte d'Ivoire: Abidjan, 15 km NW: AMNH: 4 [4 - **4** - **4**].
4 December 1971: Cameroon: Mamfe, 12 km SE: AMNH: 4 [4 - **4** - **4**].
5 December 1971: Cameroon: Mamfe, 12 km SE: AMNH: 4 [4 - **4** - **4**].
6 December 1971: Cameroon: Mamfe, 12 km SE: AMNH: 7 [7] - Mamfe, 15 km SE: AMNH: 1 [1 - **8** - **8**].
7 December 1971: Cameroon: Mamfe, 15 km SE: AMNH: 2 [2 - **2** - **2**].

9 December 1971: Cameroon: Mamfe, 15 km SE: AMNH: 3 [3 - **3** - **3**].
10 December 1971: Cameroon: Mamfe, 15 km SE: AMNH: 1 [1 - **1** - **1**].
15 December 1971: Cameroon: Bamenda, 14 km E: AMNH: 8 [8 - **8** - **8**].
16 December 1971: Cameroon: Bamenda, 14 km E: AMNH: 5 [5 - **5** - **5**].
21 January 1972: Cameroon: Okola: AMNH: 8 [8 - **8** - **8**].
22 January 1972: Cameroon: Okola: AMNH: 2 [2 - **2** - **2**].
13 February 1972: Cameroon: Obala, 55 km NE: AMNH: 4 [4 - **4** - **4**].
14 February 1972: Cameroon: Obala, 55 km NE: AMNH: 1 [1] - Obala, 82 km NE: AMNH: 4 [4 - **5** - **5**].
15 February 1972: Cameroon: Nanga-Eboko, 82 km NE: AMNH: 1 [1 - **1** - **1**].
18 February 1972: Cameroon: Eséka, 9 km SE: AMNH: 1 [1] - Nanga-Eboko, 30 km E: AMNH: 18 [18 - **19** - **19**].
19 February 1972: Cameroon: Nanga-Eboko, 30 km E: AMNH: 3 [3 - **3** - **3**].
25 February 1972: Cameroon: Bertoua, 30 km W: AMNH: 1 [1 - **1** - **1**].
1 March 1972: Cameroon: Bertoua, 25 km NE: AMNH: 4 [4 - **4** - **4**].
6 April 1972: Cameroon: Ngaoundéré, 14 km N: AMNH: 1 [1] - Ngaoundéré, 14 km S: AMNH: 2 [2 - **3** - **3**].
7 April 1972: Cameroon: Ngaoundéré, 14 km S: AMNH: 2 [2 - **2** - **2**].
12 April 1972: Cameroon: Ngaoundéré, 14 km S: AMNH: 1 [1 - **1** - **1**].
17 April 1972: Cameroon: Bertoua, 30 km W: AMNH: 5 [5 - **5** - **5**].
19 April 1972: Cameroon: Bertoua, 30 km W: AMNH: 2 [2 - **2** - **2**].
20 April 1972: Cameroon: Bertoua, 30 km W: AMNH: 15 [15 - **15** - **15**].
22 April 1972: Cameroon: Bertoua, 30 km W: AMNH: 5 [5 - **5** - **5**].
23 April 1972: Cameroon: Bertoua, 30 km W: AMNH: 3 [3 - **3** - **3**].
24 June 1972: Cameroon: Eséka: AMNH: 1 [1 - **1** - **1**].
3 November 1972: Cameroon: Eséka, 7 km N: AMNH: 4 [4 - **4** - **4**].
18 November 1972: Cameroon: Eséka, 9 km N: AMNH: 2 [2] - Eséka, 9 km SE: AMNH: 7 [7 - **9** - **9**].
24 March 1973: Cameroon: Ébam, 15 km SE: AMNH: 2 [2 - **2** - **2**].
27 March 1973: Cameroon: Ébam, 15 km SE: AMNH: 1 [1 - **1** - **1**].
16 April 1973: Cameroon: Mbokaon: AMNH: 1 [1 - **1** - **1**].
17 April 1973: Cameroon: Mbokaon: AMNH: 1 [1 - **1** - **1**].
6 May 1973: Cameroon: Eséka: AMNH: 7 [7 - **7** - **7**].
16 June 1973: Cameroon: Eséka: AMNH: 9 [9 - **9** - **9**].
20 June 1973: Cameroon: Eséka: AMNH: 5 [5 - **5** - **5**].
14 August 1973: Cameroon: Eséka: AMNH: 1 [1 - **1** - **1**].
24 February 1974: Cameroon: Eséka, 15 km SW: AMNH: 1 [1 - **1** - **1**].
3 March 1974: Cameroon: Eséka: AMNH: 2 [2 - **2** - **2**].
31 May 1974: Cameroon: Eséka, 6 km SE: AMNH: 6 [6 - **6** - **6**].
7 June 1974: Cameroon: Eséka, 6 km SE: AMNH: 2 [2 - **2** - **2**].
8 June 1974: Cameroon: Eséka, 6 km SE: AMNH: 1 [1 - **1** - **1**].
10 June 1974: Cameroon: Eséka, 15 km W: AMNH: 5 [5 - **5** - **5**].
12 June 1974: Cameroon: Eséka, 6 km SE: AMNH: 2 [2 - **2** - **2**].
22 June 1974: Cameroon: Eséka, 8 km SW: AMNH: 1 [1 - **1** - **1**].
23 June 1974: Cameroon: Eseka: AMNH: 1, CM: 1 [2] - Eséka: AMNH: 1 [1 - **3** - **3**].
24 June 1974: Cameroon: Eseka: CM: 1 [1] - Eséka: AMNH: 2 [2] - Eséka, 8 km SW: AMNH: 2 [2 - **5** - **5**].
26 June 1974: Cameroon: Eséka, 5 km SW: AMNH: 2 [2 - **2** - **2**].
28 June 1974: Cameroon: Eséka, 5 km SW: AMNH: 3 [3 - **3** - **3**].
29 June 1974: Cameroon: Eséka: AMNH: 1 [1] - Eséka, 5 km SW: AMNH: 6 [6 - **7** - **7**].
30 June 1974: Cameroon: Eséka: AMNH: 2 [2] - Eseka, 5 km SW: AMNH: 1 [1] - Eséka, 5 km SW: AMNH: 2 [2 - **5** - **5**].
2 July 1974: Cameroon: Eséka: AMNH: 2 [2] - Eséka, 5 km SW: AMNH: 1 [1 - **3** - **3**].
3 July 1974: Cameroon: Eseka, 5 km SW: CM: 1 [1] - Eséka, 5 km SW: AMNH: 6 [6] - Eséka, 6 km SE: AMNH: 1 [1 - **8** - **8**].
4 July 1974: Cameroon: Eséka, 5 km SW: AMNH: 3 [3 - **3** - **3**].
9 July 1974: Cameroon: Eséka, 6 km SE: AMNH: 7 [7 - **7** - **7**].
11 July 1974: Cameroon: Eséka, 6 km SE: AMNH: 2 [2 - **2** - **2**].
12 July 1974: Cameroon: Eséka: AMNH: 2 [2 - **2** - **2**].
13 July 1974: Cameroon: Eseka: CM: 1 [1] - Eséka: AMNH: 1 [1 - **2** - **2**].
14 July 1974: Cameroon: Eséka: AMNH: 2 [2 - **2** - **2**].
14 August 1974: Cameroon: Eséka: AMNH: 1 [1 - **1** - **1**].
9 September 1974: Cameroon: Eséka, 6 km SE: AMNH: 4 [4 - **4** - **4**].
10 December 1974: Central African Republic: M'Baikie: CM: 4 [4 - **4** - **4**].
12 December 1974: Central African Republic: M'Baikie: CM: 2 [2 - **2** - **2**].
27 December 1974: Central African Republic: Bangassou: CM: 1 [1 - **1** - **1**].
30 May 1975: Malawi: Cape Maclear: CM: 7, FMNH: 5 [12] - MacLear, cape: CM: 2 [2 - **14** - **14**].
31 May 1975: Malawi: Cape Maclear: FMNH: 1 [1 - **1** - **1**].
15 June 1975: Zimbabwe: Concession, 10 km NW: CM: 2 [2] - Kariba, 6 km E: CM: 2 [2 - **4** - **4**].
18 June 1975: Zimbabwe: Kariba, 6 km E: CM: 1 [1 - **1** - **1**].
20 November 1975: South Africa: Barberton, 14 km NW: CM: 1 [1 - **1** - **1**].
21 November 1975: South Africa: Barberton, 14 km NW: CM: 3 [3 - **3** - **3**].
22 November 1975: South Africa: Barberton, 14 km NW: CM: 1 [1 - **1** - **1**].
2 December 1975: South Africa: Shepstone, 48 km NE: CM: 2 [2 - **2** - **2**].
3 December 1975: South Africa: Pennington: CM: 4 [4 - **4** - **4**].
4 December 1975: South Africa: Pennington: CM: 4 [4 - **4** - **4**].
10 December 1975: South Africa: Fort Beaufort, 14 km W: CM: 1 [1 - **1** - **1**].
12 December 1975: South Africa: Cradock, 25 km SE: CM: 1 [1 - **1** - **1**].
14 December 1975: South Africa: Cradock, 25 km SE: CM: 3 [3] - Cradock, 40 km NW: CM: 6 [6 - **9** - **9**].
9 January 1976: South Africa: Lamberts Bay, 6 km E: CM: 8 [8] - Lamberts Bay, 8 km E: CM: 1 [1 - **9** - **9**].
28 June 1978: Cameroon: Yaoundé, 9 km S, 10 km W: CM: 1 [1 - **1** - **1**].
7 July 1978: Cameroon: Yaoundé, 7 km S, 8 km W: CM: 1 [1 - **1** - **1**].
17 July 1978: Cameroon: Ngaoundéré, 13 km S: CM: 1 [1 - **1** - **1**].

22 July 1978: Cameroon: Garoua, 24 km S, 13 km E: CM: 1 [1 - **1** - **1**].
1 August 1978: Cameroon: Ambam, 13 km S, 5 km E: CM: 2 [2 - **2** - **2**].
8 August 1978: Cameroon: Yaoundé, 23 km S, 1 km E: CM: 1 [1 - **1** - **1**].
13 August 1978: Cameroon: Eseka, 3 km S, 3 km W: CM: 1 [1 - **1** - **1**].
16 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 1 [1 - **1** - **1**].
26 June 1979: Congo (Democratic Republic of the): Yalosemba: USNM: 1 [1 - **1** - **1**].
30 June 1979: Congo (Democratic Republic of the): Yalosemba: TTU: 1 [1 - **1** - **1**].
4 July 1979: Egypt: Aswan: CM: 1 [1 - **1** - **1**].
13 July 1979: Congo (Democratic Republic of the): Tandala: USNM: 1 [1 - **1** - **1**].
6 August 1979: Egypt: Saqqara: CM: 9, TTU: 2 [11 - **11** - **11**].
7 August 1979: Egypt: Giza: TTU: 2 [2 - **2** - **2**].
8 August 1979: Egypt: Edfu: CM: 2 [2 - **2** - **2**].
8 July 1980: Egypt: Abu Rawash: CM: 1 [1] - Saqqara: CM: 1 [1 - **2** - **2**].
6 October 1982: Kenya: Ukunda, 2.5 km E: TTU: 10 [10 - **10** - **10**].

Total Specimens for Robbins, Lynn W.: 953

Robbins, Lynn W.; Robbins, C. Brian

10 June 1979: Congo (Democratic Republic of the): Yalosemba: CM: 1 [1 - **1** - **1**].
17 June 1979: Congo (Democratic Republic of the): Yalosemba: CM: 1 [1 - **1** - **1**].
23 June 1979: Congo (Democratic Republic of the): Yalosemba: CM: 1 [1 - **1** - **1**].
28 June 1979: Congo (Democratic Republic of the): Yalosemba: CM: 1 [1 - **1** - **1**].
7 July 1979: Congo (Democratic Republic of the): Tandala: CM: 2 [2 - **2** - **2**].
9 July 1979: Congo (Democratic Republic of the): Tandala: CM: 3 [3 - **3** - **3**].
10 July 1979: Congo (Democratic Republic of the): Tandala: CM: 3 [3 - **3** - **3**].
11 July 1979: Congo (Democratic Republic of the): Tandala: CM: 1 [1 - **1** - **1**].
12 July 1979: Congo (Democratic Republic of the): Tandala: CM: 1 [1 - **1** - **1**].
13 July 1979: Congo (Democratic Republic of the): Tandala: CM: 3 [3 - **3** - **3**].
16 July 1979: Congo (Democratic Republic of the): Tandala: CM: 4 [4 - **4** - **4**].
20 July 1979: Congo (Democratic Republic of the): Tandala: CM: 4 [4 - **4** - **4**].

Total Specimens for Robbins, Lynn W.; Robbins, C. Brian: 25

Robbins, Lynn W.; Robbins, R. Laurie

28 June 1978: Cameroon: Yaoundé, 9 km S, 10 km W: CM: 11 [11 - **11** - **11**].
4 July 1978: Cameroon: Obala, 30 km N, 40 km E: CM: 1 [1 - **1** - **1**].
7 July 1978: Cameroon: Yaoundé, 7 km S, 8 km W: CM: 4 [4 - **4** - **4**].
1 August 1978: Cameroon: Ambam, 13 km S, 5 km E: CM: 5 [5 - **5** - **5**].
6 August 1978: Cameroon: Yaoundé, 25 km S 3 km E: CM: 1 [1 - **1** - **1**].
7 August 1978: Cameroon: Yaoundé, 7 km S, 8 km W: CM: 1 [1 - **1** - **1**].
8 August 1978: Cameroon: Yaoundé, 23 km S, 1 km E: CM: 4 [4 - **4** - **4**].
13 August 1978: Cameroon: Eseka, 3 km S, 3 km W: CM: 2 [2 - **2** - **2**].

Total Specimens for Robbins, Lynn W.; Robbins, R. Laurie: 29

Robbins, Lynn W.; Williams, Stephen L.

28 June 1978: Cameroon: Yaoundé, 9 km S, 10 km W: CM: 2 [2 - **2** - **2**].

Total Specimens for Robbins, Lynn W.; Williams, Stephen L.: 2

Roberts

28 March 1920: South Africa: Louw's [=Lowes] Creek, Imperial mine: TM: 1 [1 - **1** - **1**].
27 May 1964: Kenya: Mombasa, S of: USNM: 1 [1 - **1** - **1**].
11 June 1964: Kenya: Mombasa, cave near: USNM: 2 [2 - **2** - **2**].
12 May 1986: South Africa: Hazelmere Dam: TM: 1 [1 - **1** - **1**].

Total Specimens for Roberts: 5

Roberts, Austin
(1883 - 1948)

Collection Date Unknown: "Africa": Nieri river: BMNH: 1 [1 - **1**].
South Africa: 38 Andries Street: TM: 1 [1] - Msikaba river mouth: TM: 1 [1] - Sunnyside: TM: 1 [1] - Umhlumi: TM: 1 [1] - Umzigaba River mouth: TM: 1 [1] - Wonderboom: USNM: 1 [1 - **6** - **7**].
24 February 1909: South Africa: Venterskroon: TM: 2 [2 - **2** - **2**].
14 March 1909: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
24 December 1910: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
29 June 1911: South Africa: Wonderboom cave: FMNH: 1 [1 - **1** - **1**].
4 September 1911: South Africa: Farm Vygeboschlaagte 236JQ: TM: 1 [1 - **1** - **1**].
20 December 1911: South Africa: Inkomati River: TM: 4 [4 - **4** - **4**].
16 August 1913: Zimbabwe: Bezwe river: TM: 1 [1 - **1** - **1**].

3 June 1914: South Africa: Barberton: TM: 1 [1 - **1** - **1**].
20 May 1915: South Africa: Steynsdorp: TM: 1 [1 - **1** - **1**].
29 May 1916: Swaziland: Wyldesdale: TM: 3 [3] - Wyldesdale, in old mine drive: TM: 2 [2 - **5** - **5**].
7 June 1916: South Africa: Cinnabar mine: TM: 5 [5 - **5** - **5**].
9 June 1916: South Africa: Buffalo mine: TM: 1 [1 - **1** - **1**].
30 June 1916: South Africa: Horo, in old mine drive: TM: 2 [2 - **2** - **2**].
28 February 1917: South Africa: Venterskroon: TM: 1 [1 - **1** - **1**].
25 March 1917: South Africa: Venterskroon: TM: 2 [2 - **2** - **2**].
30 March 1917: South Africa: Venterskroon: TM: 5 [5 - **5** - **5**].
9 June 1917: South Africa: Farm Baviaanspoort 330: TM: 5 [5 - **5** - **5**].
14 June 1917: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
29 June 1917: South Africa: Wonderboom Cave: TM: 2 [2 - **2** - **2**].
31 March 1919: South Africa: Garsfontein: TM: 1 [1 - **1** - **1**].
6 September 1919: South Africa: Pretoria: TM: 2 [2 - **2** - **2**].
31 December 1919: South Africa: Garsfontein: TM: 17 [17 - **17** - **17**].
14 March 1920: South Africa: Louw's Creek: TM: 1 [1 - **1** - **1**].
28 March 1920: South Africa: Louw's [=Lowes] Creek: TM: 1 [1] - Louw's [=Lowes] Creek, Imperial mine: TM: 5 [5 - **6** - **6**].
30 March 1920: South Africa: Kruger-N.P., Malelane: TM: 1 [1] - Malelane Estate: TM: 1 [1 - **2** - **2**].
10 June 1920: South Africa: Bothaville: TM: 1 [1 - **1** - **1**].
9 August 1921: South Africa: Farm Baviaanspoort 330: TM: 1 [1 - **1** - **1**].
20 October 1921: South Africa: New Mucelneuck: TM: 1 [1 - **1** - **1**].
3 January 1922: South Africa: Groenkloof: TM: 4 [4 - **4** - **4**].
20 January 1922: South Africa: Kastrol Nek: TM: 3 [3 - **3** - **3**].
3 May 1922: South Africa: Loster: TM: 1 [1 - **1** - **1**].
8 June 1922: South Africa: Mtambanana: TM: 1 [1 - **1** - **1**].
18 June 1922: South Africa: Umfolozi Game Reserve: TM: 1 [1 - **1** - **1**].
20 June 1922: South Africa: Umfolozi Game Reserve: TM: 2 [2 - **2** - **2**].
16 January 1923: "Africa": Woodbush: TM: 1 [1 - **1** - **1**].
7 February 1924: South Africa: Wonderboom: TM: 2 [2 - **2** - **2**].
21 October 1924: "Africa": Kester, Kosterfontein: TM: 1 [1 - **1** - **1**].
11 December 1924: South Africa: Farm Makapansgat 39: TM: 6 [6] - Farm Makapansgat 39, Makapan cave: TM: 1 [1 - **7** - **7**].
23 July 1925: South Africa: Vryburg: TM: 1 [1 - **1** - **1**].
6 December 1925: South Africa: Benghensdorp: TM: 1 [1] - Burgersdorp: TM: 1 [1 - **2** - **2**].
11 June 1926: South Africa: Wonderboom cave: LACM: 1 [1 - **1** - **1**].
30 September 1926: South Africa: Brooklyn: TM: 2 [2 - **2** - **2**].
23 July 1928: South Africa: Vryburg: TM: 5 [5 - **5** - **5**].
3 November 1928: South Africa: Mkuzi River: TM: 4 [4 - **4** - **4**].
11 June 1929: South Africa: Wonderboom cave: LACM: 1 [1 - **1** - **1**].
30 November 1929: South Africa: Manaba: TM: 1 [1 - **1** - **1**].
8 December 1929: South Africa: Namaba: TM: 1 [1 - **1** - **1**].
22 July 1931: South Africa: Grahamstown: TM: 1 [1] - Kleinpoort: TM: 4 [4 - **5** - **5**].
24 July 1931: South Africa: Kleinpoort: TM: 5 [5 - **5** - **5**].
27 July 1931: South Africa: Kleinpoort: TM: 2 [2 - **2** - **2**].
8 October 1931: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].
1 November 1931: South Africa: Garsfontein: TM: 1 [1 - **1** - **1**].
15 August 1933: South Africa: Ingwavuma: TM: 1 [1 - **1** - **1**].
4 September 1933: South Africa: Ingwavuma, village: TM: 1 [1 - **1** - **1**].
7 September 1933: South Africa: Ingwavumia: TM: 6 [6 - **6** - **6**].
8 September 1933: South Africa: Ingwavumia: TM: 1 [1 - **1** - **1**].
7 October 1940: "Africa": Unknown locality: NHMZ: 1 [1 - **1**].
South Africa: Mitchells Pass: TM: 1 [1 - **1** - **2**].
5 November 1940: South Africa: Grootvadersbosch: TM: 1 [1 - **1** - **1**].
6 November 1940: South Africa: Grootvadersbosch: TM: 4 [4 - **4** - **4**].
7 November 1940: South Africa: Mitchells Pass: TM: 1 [1 - **1** - **1**].
9 November 1940: South Africa: Stillbaai: TM: 1 [1 - **1** - **1**].
14 September 1941: Namibia: Ombu: TM: 3 [3 - **3** - **3**].
17 September 1941: Namibia: Ombu: TM: 2 [2 - **2** - **2**].
18 September 1941: Namibia: Ombu: FMNH: 1, TM: 2 [3 - **3**].
South Africa: Venterskroon: TM: 1 [1 - **1** - **4**].
19 September 1941: Namibia: Unknown locality: TM: 1 [1] - Ombu: TM: 4 [4 - **5** - **5**].
20 September 1941: Namibia: Ombu: TM: 3 [3 - **3** - **3**].
22 September 1941: Namibia: Ombu: SMF: 1, TM: 10 [11 - **11** - **11**].
28 September 1941: Namibia: Omaruru: TM: 1 [1 - **1** - **1**].
14 September 1944: Namibia: Omburo [=Omburu]: TM: 1 [1 - **1** - **1**].

Total Specimens for Roberts, Austin: 184

Roberts, Austin; Adendorff

Collection Date Unknown: South Africa: Ceres, near: TM: 1 [1 - **1** - **1**].
16 September 1917: South Africa: Lormarins: TM: 1 [1 - **1** - **1**].
29 September 1917: South Africa: Klaver: TM: 1 [1 - **1** - **1**].
30 September 1917: South Africa: Klaver: TM: 1 [1 - **1** - **1**].
1 October 1917: South Africa: Klaver: TM: 1 [1 - **1** - **1**].
10 October 1917: South Africa: Klaver: TM: 1 [1 - **1** - **1**].

15 November 1917: South Africa: Saldanha Bay: TM: 3 [3 - **3** - **3**].

Total Specimens for Roberts, Austin; Adendorff: 9

Roberts, Austin; Bedford, G.A.H.

18 October 1931: South Africa: Pretoria: TM: 3 [3 - **3** - **3**].

Total Specimens for Roberts, Austin; Bedford, G.A.H.: 3

Roberts, Austin; Coombs, C.

17 March 1923: South Africa: Farm 489, Hennops River: TM: 1 [1 - **1** - **1**].

Total Specimens for Roberts, Austin; Coombs, C.: 1

Roberts, Austin; Wilson, B.

7 September 1933: South Africa: Ingwavumia: TM: 2 [2 - **2** - **2**].

Total Specimens for Roberts, Austin; Wilson, B.: 2

Roberts, Austin; Wilson, R.

7 September 1933: South Africa: Ingwavumia: TM: 1 [1 - **1** - **1**].

Total Specimens for Roberts, Austin; Wilson, R.: 1

Roberts, Dr.

Collection Date Unknown: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].

Total Specimens for Roberts, Dr.: 1

Roberts, J.

Collection Date Unknown: Kenya: Coast [former] province: USNM: 1 [1 - **1** - **1**].
1 January 1962: Kenya: Coast [former] province: USNM: 1 [1] - Mombasa, cave near: USNM: 1 [1 - **2** - **2**].
29 September 1962: Kenya: Ngombeni [caves]: USNM: 1 [1 - **1** - **1**].
1 January 1963: Kenya: Mombasa, cave near: USNM: 5 [5 - **5** - **5**].
3 November 1963: Kenya: Ngombeni [caves]: USNM: 8 [8 - **8** - **8**].
11 June 1964: Kenya: Mombasa, cave near: USNM: 12 [12] - Mombasa, well S: USNM: 1 [1 - **13** - **13**].
18 June 1964: Kenya: Ukunda, cave: USNM: 1 [1 - **1** - **1**].
31 July 1964: Kenya: Ngombeni [caves]: USNM: 2 [2 - **2** - **2**].

Total Specimens for Roberts, J.: 33

Roberts, R.A.

20 February 1946: South Africa: New Muckleneuk: TM: 1 [1 - **1** - **1**].

Total Specimens for Roberts, R.A.: 1

Roberts, V.

20 May 1931: South Africa: New Mucelneuck: TM: 1 [1 - **1** - **1**].

Total Specimens for Roberts, V.: 1

Roberts, V.H.A.

1 December 1934: South Africa: Townlands: CM: 1 [1 - **1** - **1**].
8 April 1935: South Africa: Brooklyn: CM: 1 [1 - **1** - **1**].

Total Specimens for Roberts, V.H.A.: 2

Roberts, W.W.

4 March 1925: South Africa: Unknown locality: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Roberts, W.W.: 1

Robertson

1 April 1979: Congo (Democratic Republic of the): Bena Tshiadi: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Robertson: 1

Robertson, I.A.D.

13 July 1955: Tanzania: Kafukola: HZM: 1 [1 - **1** - **1**].
5 August 1955: Tanzania: Kafukola: HZM: 1 [1 - **1** - **1**].
15 August 1955: Tanzania: Kafukola: HZM: 1 [1 - **1** - **1**].
16 August 1955: Tanzania: Kafukola: BMNH: 1 [1 - **1** - **1**].
3 September 1955: Tanzania: Kafukola: HZM: 1 [1 - **1** - **1**].
22 October 1955: Tanzania: Kafukola: HZM: 1 [1 - **1** - **1**].
10 February 1956: Tanzania: Kafukola: HZM: 1 [1 - **1** - **1**].
10 April 1956: Tanzania: Kalembo: HZM: 1 [1 - **1** - **1**].
16 April 1956: Tanzania: Kafukola: HZM: 1 [1 - **1** - **1**].
6 June 1956: Tanzania: Kafukola: HZM: 1 [1 - **1** - **1**].
6 July 1956: Tanzania: Kafukola: HZM: 1 [1 - **1** - **1**].

Total Specimens for Robertson, I.A.D.: 11

Robillard

Collection Date Unknown: Mauritius: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Robillard: 1

Robinson, A.

Collection Date Unknown: Madagascar: Montagne des Français: MNHN: 3 [3 - **3** - **3**].
25 June 1947: South Africa: Sterkfontein caves: TM: 1 [1 - **1** - **1**].

Total Specimens for Robinson, A.: 4

Robinson, G.G.

1 July 1944: Zambia: Lunyuwi river: HZM: 1 [1 - **1** - **1**].

Total Specimens for Robinson, G.G.: 1

Robinson, Phillip T.

14 April 1968: Sierra Leone: Forestry Training School, near: MSU: 1 [1 - **1** - **1**].

Total Specimens for Robinson, Phillip T.: 1

Robson, M.U.; Start, Anthony N.

15 August 1964: Kenya: Laikipia ranch: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Robson, M.U.; Start, Anthony N.: 1

Robson, M.W.

20 August 1964: Kenya: Kipkabus: WAM: 1 [1 - **1** - **1**].

Total Specimens for Robson, M.W.: 1

Robsory

1 December 1967: South Africa: Krugersdorp: ROM: 5 [5 - **5** - **5**].
1 August 1969: Mozambique: Beira: ROM: 6 [6 - **6** - **6**].

Total Specimens for Robsory: 11

Robwell, L.J.

5 December 1971: Cameroon: Mamfe, 12 km SE: TTU: 1 [1 - **1** - **1**].
6 December 1971: Cameroon: Mamfe, 15 km SE: TTU: 2 [2 - **2** - **2**].
9 December 1971: Cameroon: Mamfe, 15 km SE: TTU: 1 [1 - **1** - **1**].
16 December 1971: Cameroon: Bamenda, 14 km E: TTU: 2 [2 - **2** - **2**].
21 January 1972: Cameroon: Okola: TTU: 5 [5 - **5** - **5**].
22 January 1972: Cameroon: Okola: TTU: 4 [4 - **4** - **4**].

13 February 1972: Cameroon: Obala, 55 km NE: TTU: 1 [1 - **1** - **1**].
14 February 1972: Cameroon: Obala, 82 km NE: TTU: 1 [1 - **1** - **1**].
24 February 1972: Cameroon: Bertoua, 30 km W: TTU: 1 [1 - **1** - **1**].
20 April 1972: Cameroon: Bertoua, 30 km W: TTU: 2 [2 - **2** - **2**].
23 April 1972: Cameroon: Bertoua, 30 km W: TTU: 2 [2 - **2** - **2**].

Total Specimens for Robwell, L.J.: 22

Roche, Jean

8 November 1959: Guinea: Balouma: MNHN: 1 [1 - **1** - **1**].
18 December 1959: Guinea: Sérédou: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Roche, Jean: 2

Rockefeller, J. Sterling

10 March 1929: Congo (Democratic Republic of the): Lubenge: AMNH: 1 [1 - **1** - **1**].
13 March 1929: Congo (Democratic Republic of the): Lubenge: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Rockefeller, J. Sterling: 2

Rode, Paul
(1901 - 1948)

Collection Date Unknown: Mali: Bamako: MNHN: 10 [10 - **10** - **10**].
1 February 1936: Mali: Bamako: MNHN: 5 [5 - **5** - **5**].

Total Specimens for Rode, Paul: 15

Rodhain, J.

Collection Date Unknown: Congo (Democratic Republic of the): Boma: RMCA: 7 [7] - Ibembo: RMCA: 2 [2 - **9** - **9**].
15 August 1922: Congo (Democratic Republic of the): Boma: RMCA: 4 [4 - **4** - **4**].
1 November 1922: Congo (Democratic Republic of the): Kikwit: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Rodhain, J.: 15

Roer, Hubert

14 March 1959: Tunisia: Cartago: ZFMK: 3 [3 - **3** - **3**].
15 March 1959: Tunisia: Cartago: ZFMK: 5 [5 - **5** - **5**].
15 April 1959: Egypt: Abu Rawash: NMP: 1, ZFMK: 24 [25 - **25** - **25**].
27 February 1972: Namibia: Namibia Desert Research Station [= DERU]: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Roer, Hubert: 34

Roest, F.C.

13 November 1978: Burundi: Unknown locality: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Roest, F.C.: 1

Roger

Collection Date Unknown: Ethiopia: Abyssinia: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Roger: 1

Roger, C.F.E.

9 December 1982: Tanzania: Capri Point: ZMA: 1 [1 - **1** - **1**].
30 May 1983: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Roger, C.F.E.: 2

Rohde

Collection Date Unknown: Cameroon: Edéa: ZMB: 5 [5] - Ossa, Lake: ZMB: 1 [1 - **6** - **6**].

Total Specimens for Rohde: 6

Roiseux

Collection Date Unknown: Congo (Democratic Republic of the): Djeka: RMCA: 3 [3 - **3** - **3**].
29 May 1955: Congo (Democratic Republic of the): Djeka: RMCA: 4 [4 - **4** - **4**].

Total Specimens for Roiseux: 7

Roland

1 November 1957: Congo (Democratic Republic of the): Bondo: RMCA: 5 [5 - **5** - **5**].

Total Specimens for Roland: 5

Rolle, Hermann

Collection Date Unknown: Cameroon: Sangmelima: ZMB: 1 [1 - **1**].
Uganda: Entebbe: ZMB: 1 [1 - **1** - **2**].
1 January 1912: Kenya: Taita: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Rolle, Hermann: 3

Romero, Pedro

12 August 1983: Morocco: Hercules caves: EBD: 24 [24 - **24** - **24**].

Total Specimens for Romero, Pedro: 24

Romieux, Jean
(1893 - 1951: Marseille)

Collection Date Unknown: Congo (Democratic Republic of the): Pande: MHNG: 1 [1 - **1** - **1**].
1 January 1932: Congo (Democratic Republic of the): Luluabourg: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Romieux, Jean: 2

Roodenburg, W.F.

15 April 1971: Ghana: Afegame, 3 mi [=4.8 km]E: RMNH: 1 [1 - **1** - **1**].
1 May 1971: Ghana: Unknown locality: RMNH: 1 [1 - **1** - **1**].
16 August 1971: Ghana: Elima and Cape Coast, between: RMNH: 1 [1 - **1** - **1**].
10 November 1971: Ghana: Unknown locality: RMNH: 1 [1 - **1** - **1**].
5 July 1973: Ghana: Unknown locality: RMNH: 1 [1 - **1** - **1**].
2 January 1974: Ghana: Kpaudu: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Roodenburg, W.F.: 6

Roosevelt, Kenneth (Kermit)
(10 October 1889: Oyster Bay - 4 June 1943: Alaska)

Collection Date Unknown: Kenya: Northern Guaso Nyiro: USNM: 1 [1 - **1** - **1**].

Total Specimens for Roosevelt, Kenneth (Kermit): 1

Roosevelt, Theodore (Teddy)
(27 October 1858: New York - 6 January 1919: Oyster Bay)

10 December 1872: Egypt: Cairo, 20 km S: USNM: 1 [1 - **1** - **1**].
8 February 1873: Egypt: Hersneh: USNM: 1 [1 - **1** - **1**].

Total Specimens for Roosevelt, Theodore (Teddy): 2

Rooyakkers

13 December 1956: Congo (Democratic Republic of the): Baye via Bondo: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Rooyakkers: 3

Rosenberg

Collection Date Unknown: Cameroon: Bitye: ZMB: 2 [2 - **2**].
Uganda: Ruwenzori East: RMCA: 9 [9] - Ruwenzori SE: RMCA: 5 [5 - **14** - **16**].
20 January 1906: Uganda: Ruwenzori East: RMCA: 1 [1 - **1** - **1**].
21 January 1906: Uganda: Ruwenzori East: RMCA: 1 [1 - **1** - **1**].

22 January 1906: Uganda: Ruwenzori East: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Rosenberg: 19

Rosenberg, G.

1 January 1914: "Africa": Baruma: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Rosenberg, G.: 1

Rosenberg, W.F.H.

Collection Date Unknown: Madagascar: Beroroha: BMNH: 2 [2 - **2** - **2**].
1 January 1914: Cameroon: Bitye: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Rosenberg, W.F.H.: 3

Rosevear, Donovan Reginald
(28 November 1900: Chelsea - 1986)

Collection Date Unknown: Nigeria: Ibadan: BMNH: 1 [1 - **1** - **1**].
6 April 1935: Cameroon: Victoria: BMNH: 1 [1 - **1** - **1**].
9 February 1948: Benin: no specific locality: BMNH: 1 [1 - **1** - **1**].
27 June 1948: Nigeria: Maiduguri: BMNH: 1 [1 - **1** - **1**].
8 July 1948: Nigeria: Maiduguri: BMNH: 2 [2 - **2** - **2**].
9 July 1948: Nigeria: Maiduguri: BMNH: 5 [5 - **5** - **5**].
11 July 1948: Nigeria: Maiduguri: BMNH: 1 [1 - **1** - **1**].
14 January 1996: South Africa: Sabi & White Sands rivers confluence: DNSM: 1 [1 - **1** - **1**].
6 April 1996: South Africa: Esperanza [=Beneva] Tunnel: DNSM: 1 [1 - **1** - **1**].
16 September 2001: South Africa: Waterberg Game Farm, at small man-made ponds within camp: TM: 1 [1 - **1** - **1**].

Total Specimens for Rosevear, Donovan Reginald: 15

Ross, Edward S.; Lorenzen, Kenneth

7 December 1966: Angola: Robert Williams, 6 mi S: CAS: 1 [1 - **1** - **1**].

Total Specimens for Ross, Edward S.; Lorenzen, Kenneth: 1

Rothschild, H.

Collection Date Unknown: Egypt: Cairo, near: USNM: 1 [1 - **1** - **1**].

Total Specimens for Rothschild, H.: 1

Rothschild, Nathanial Charles
(1877 - 1923)

Collection Date Unknown: Egypt: Luxor: BMNH: 2, ZMA: 1 [3 - **3**].
Sudan: Unknown locality: BMNH: 1 [1] - Shendy: USNM: 3 [3 - **4** - **7**].
5 March 1904: Sudan: Kerma: MCZ: 1 [1 - **1** - **1**].
15 March 1904: Sudan: Merowe: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Rothschild, Nathanial Charles: 10

Rothschild, Nathanial Charles; Wollaster, A.F.R.

10 March 1901: Sudan: Shendi: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Rothschild, Nathanial Charles; Wollaster, A.F.R.: 2

Rotterdamse Diergaarde, The

4 June 1992: Congo (Democratic Republic of the): Haute Congo: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Rotterdamse Diergaarde, The: 1

Rougeot, P.

1 June 1947: Gabon: Mouila: MNHN: 1 [1 - **1** - **1**].
1 May 1957: Gabon: Lastourville: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Rougeot, P.: 2

Roux, Francis

Collection Date Unknown: Gabon: Anengué Lake: MNHN: 1 [1] - Anengué, lake: MNHN: 1 [1 - **2** - **2**].
1 September 1958: Senegal: Richard Toll: MNHN: 1 [1 - **1** - **1**].
24 April 1964: Senegal: Richard Toll: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Roux, Francis: 4

Royal Army Medical College, The

Collection Date Unknown: Sierra Leone: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Royal Army Medical College, The: 1

Royal Museum of Central Africa (RMCA), The

Collection Date Unknown: Congo (Democratic Republic of the): Albertville: BMNH: 1 [1] - Beno: BMNH: 2 [2] - Bolobo: BMNH: 2 [2] - Bossafinda: BMNH: 5 [5] - Kabongo: BMNH: 1 [1] - Kakanda cave: BMNH: 1 [1] - Kakontwe: BMNH: 5 [5] - Kakontwe cave: BMNH: 3 [3] - Kinke: BMNH: 1 [1] - Ko[g]enga: BMNH: 3 [3] - Muradingusha: BMNH: 4 [4] - Pimpin cave: BMNH: 2 [2] - Sakania: BMNH: 3 [3] - Tamba Tamba cave b 12: BMNH: 2 [2] - Thysville: BMNH: 11 [11 - **46** - **46**].

Total Specimens for Royal Museum of Central Africa (RMCA), The: 46

RSVS

21 August 1974: Zimbabwe: Shinda Estates: NHMZ: 1 [1 - **1** - **1**].
15 February 1998: South Africa: Doornkraal Camp Site: DNSM: 1 [1 - **1** - **1**].

Total Specimens for RSVS: 2

Rudd, C.D.

Collection Date Unknown: Mozambique: Inhambane: BMNH: 1 [1] - Masembeti: BMNH: 2 [2] - Tete: BMNH: 1 [1 - **4** - **4**].
16 September 1909: Kenya: southern slopes Mt …: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Rudd, C.D.: 5

Ruedi, Manuel; Arlettaz, Raphaël

18 April 1990: Rwanda: Byumba: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Ruedi, Manuel; Arlettaz, Raphaël: 1

Ruedi, Manuel; Goodman, Steven M.

24 November 2007: Madagascar: Poste Forestier de Farankaraina: FMNH: 3 [3 - **3** - **3**].

Total Specimens for Ruedi, Manuel; Goodman, Steven M.: 3

Rupp, Hans

29 July 1973: Ethiopia: Arba Minch: SMF: 1 [1 - **1** - **1**].
4 August 1973: Ethiopia: Afeworks Farm: SMF: 1 [1 - **1** - **1**].
17 August 1973: Ethiopia: Gojeb River: SMF: 1 [1 - **1** - **1**].
2 September 1973: Ethiopia: Awasa, lake: SMF: 13, ZMA: 1 [14 - **14** - **14**].
11 September 1973: Ethiopia: Lava-Dom: SMF: 7 [7 - **7** - **7**].
27 February 1974: Ethiopia: Shigella: SMF: 1 [1 - **1** - **1**].
3 March 1974: Ethiopia: Harre river: SMF: 7 [7 - **7** - **7**].
14 March 1974: Ethiopia: Dorsey: SMF: 3 [3 - **3** - **3**].
16 March 1974: Ethiopia: Chamo, lake: SMF: 2 [2] - Chamo, S bank of lake: SMF: 1 [1 - **3** - **3**].
1 April 1974: Ethiopia: Metahara, 1 km W: SMF: 28 [28 - **28** - **28**].
19 July 1974: Ethiopia: Forty Springs: SMF: 22 [22 - **22** - **22**].
5 September 1974: Ethiopia: Didessa settlement: SMF: 1 [1] - Ghimbi: SMF: 2 [2 - **3** - **3**].
1 January 1976: Ethiopia: Unknown locality: SMNS: 4 [4] - Bulcha Forest: SMNS: 1 [1 - **5** - **5**].
11 October 1976: Ethiopia: Koka: SMNS: 1 [1 - **1** - **1**].
19 October 1976: Ethiopia: Gowane: SMNS: 2 [2 - **2** - **2**].
22 October 1976: Ethiopia: Gowane: SMNS: 4 [4 - **4** - **4**].

Total Specimens for Rupp, Hans: 103

Rüppell, Wilhem Peter Edward Simon
(20 November 1794: Frankfurt-am-Main - 10 December 1884: Frankfurt-am-Main)

Collection Date Unknown: "Africa": Unknown locality: RMNH: 1 [1] - Red Sea: RMNH: 2 [2 - **3**].

Egypt: Unknown locality: RMNH: 6, SMF: 10 [16] - Giza Pyramid: SMF: 4 [4 - **20**].
Ethiopia: Unknown locality: RMNH: 1 [1] - Abyssinia: RMNH: 1 [1] - Shoa: SMF: 1 [1] - Shoa province: SMF: 1 [1 - **4**].
Sudan: Kordofan: RMNH: 1, SMF: 3 [4] - Nubia: SMF: 1 [1 - **5** - **32**].
1 January 1822: Egypt: Unknown locality: SMF: 2 [2 - **2** - **2**].
1 January 1824: Egypt: Giza: SMF: 1 [1 - **1**].
Sudan: Shendi: SMF: 2 [2 - **2** - **3**].
1 January 1831: Egypt: Unknown locality: SMF: 1 [1 - **1** - **1**].
1 July 1834: Ethiopia: Simien mountains: SMF: 1 [1 - **1** - **1**].
1 January 1840: Sudan: Sennar: SMF: 1 [1 - **1** - **1**].
1 January 1841: Ethiopia: Shoa: SMF: 1 [1 - **1** - **1**].
1 January 1842: Ethiopia: Shoa province: SMF: 2 [2 - **2** - **2**].
1 January 1860: Egypt: Arabia Petraea: SMF: 1 [1 - **1** - **1**].

Total Specimens for Rüppell, Wilhem Peter Edward Simon: 44

Rushworth, I.

20 February 1993: South Africa: Mantuma Camp: DNSM: 1 [1 - **1** - **1**].
11 May 1993: South Africa: Mantuma Camp: DNSM: 1 [1 - **1** - **1**].
6 April 1996: South Africa: Esperanza [=Beneva] Tunnel: DNSM: 1 [1 - **1** - **1**].
14 February 1998: South Africa: Doornkraal Camp Site: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Rushworth, I.: 4

Ruspoli, L.

1 January 1892: Ethiopia: Ogaden: USNM: 2 [2 - **2** - **2**].

Total Specimens for Ruspoli, L.: 2

Rutledge, W.

20 January 1927: Sudan: Kadugli: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Rutledge, W.: 1

Ruwenzori Expedition, The

Collection Date Unknown: Congo (Democratic Republic of the): St[uri] Forest [=Ituri Forest?]: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Ruwenzori Expedition, The: 2

Ryšavý, B.

15 June 1971: Egypt: Abu Rawash: IVB: 17 [17 - **17** - **17**].
25 July 1971: Egypt: El Faiyum: NMP: 4 [4 - **4** - **4**].

Total Specimens for Ryšavý, B.: 21

Saint-Girons, Marie-Charlotte
(1923: Brest - 1995)

1 January 1960: Gabon: Makokou, near: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Saint-Girons, Marie-Charlotte: 1

Salewski, V.; Ueberschaer, K.

15 February 1998: South Africa: Doornkraal Camp Site: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Salewski, V.; Ueberschaer, K.: 1

Salicini, Irene

18 July 2011: Morocco: Mizu-Tétouan: EBD: 4 [4 - **4** - **4**].

Total Specimens for Salicini, Irene: 4

Salimbeni, Augusto
(1847 - 1895)

1 January 1893: Ethiopia: Harrar: MSNG: 2 [2 - **2** - **2**].

Total Specimens for Salimbeni, Augusto: 2

Salmin

Collection Date Unknown: Nigeria: Lagos: ZMB: 3 [3 - **3**].
Tanzania: Zanzibar: USNM: 1, ZMB: 1 [2 - **2** - **5**].

Total Specimens for Salmin: 5

Samedi, U.

4 September 2004: Seychelles: Aldabra Station: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Samedi, U.: 1

Sammicheli, A.

1 January 1957: Somalia: Genale: MZUF: 3 [3 - **3** - **3**].
1 September 1958: Somalia: Afgoi: MZUF: 1 [1 - **1** - **1**].
9 August 1959: Somalia: Pozzi di Mahas: MZUF: 1 [1 - **1** - **1**].

Total Specimens for Sammicheli, A.: 5

Sandee, H.

26 July 1983: Tanzania: Kilimatinde Hospital: ZMA: 1 [1 - **1** - **1**].
28 July 1983: Tanzania: Kilimatinde Hospital: ZMA: 4 [4 - **4** - **4**].
29 July 1983: Tanzania: Kilimatinde Hospital: ZMA: 5 [5 - **5** - **5**].
3 August 1983: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].
6 August 1983: Tanzania: Mwanza: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Sandee, H.: 12

Sanderson, Ivan T.

Collection Date Unknown: Cameroon: Bamumbo: BMNH: 1 [1] - Bashauo: BMNH: 5 [5] - Besogabang: BMNH: 3 [3] - Mamfe: BMNH: 1 [1 - **10**].
Nigeria: Ikotmbo: BMNH: 2 [2 - **2** - **12**].
2 February 1932: Cameroon: Besogabang: BMNH: 1 [1 - **1** - **1**].
18 September 1932: Nigeria: Ikotmbo: BMNH: 1 [1 - **1** - **1**].
10 December 1932: Cameroon: Mamfe: BMNH: 1 [1 - **1** - **1**].
21 January 1933: Cameroon: Eshobi: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Sanderson, Ivan T.: 17

Sandground, Jack Henry
(1899: Johannesburg - 1976)

Collection Date Unknown: Zimbabwe: Chirinda: MCZ: 1 [1] - Selinda, mount: MCZ: 7 [7 - **8** - **8**].
1 January 1928: Zambia: Chikore: MCZ: 7 [7 - **7** - **7**].

Total Specimens for Sandground, Jack Henry: 15

Sandhurst Ethiopia Expedition 1966, The

Collection Date Unknown: Ethiopia: Chamo, NE of lake: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Sandhurst Ethiopia Expedition 1966, The: 2

SANTI

19 September 2001: South Africa: Waterberg Game Farm, at small man-made ponds within camp: TM: 1 [1 - **1** - **1**].
2 August 2002: South Africa: Mafikeng, 5 km outside: TM: 1 [1 - **1** - **1**].

Total Specimens for SANTI: 2

Santos, Jaime V.

6 November 1957: Angola: Nova Lisboa: CZL: 1 [1 - **1** - **1**].

Total Specimens for Santos, Jaime V.: 1

Sapsworth, A.D.

Collection Date Unknown: Seychelles: Mahé: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Sapsworth, A.D.: 2

Sapwell, J.

Collection Date Unknown: Ghana: Dormaa Ahenkro: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Sapwell, J.: 3

Sárvári, M.

Collection Date Unknown: Algeria: Gran Cabilia: HNHM: 1 [1] - Gran Cabilia, Sea-Atlas: HNHM: 2 [2 - **3** - **3**].

Total Specimens for Sárvári, M.: 3

SAS

27 August 1974: South Africa: Karkloof Forests: TM: 1 [1 - **1** - **1**].
6 April 1996: South Africa: Esperanza [=Beneva] Tunnel: DNSM: 1 [1 - **1** - **1**].

Total Specimens for SAS: 2

Sassi, Moritz
(1880 -)

11 February 1905: South Sudan: Khor Attar: NMW: 1 [1 - **1** - **1**].
27 March 1905: South Sudan: Mongalla: NMW: 3 [3 - **3** - **3**].

Total Specimens for Sassi, Moritz: 4

Sauvage, R.

26 August 1963: Kenya: Kalimoni: USNM: 44 [44] - Kiambu: ROM: 30 [30] - Nairobi: USNM: 1 [1 - **75** - **75**].

Total Specimens for Sauvage, R.: 75

Savage, F.T.

1 January 1962: Somalia: Villagio Duca delgli Abbruzzi: AMNH: 6 [6 - **6** - **6**].

Total Specimens for Savage, F.T.: 6

Sayer, J.A.

1 March 1971: Zambia: Escape Farm: NMZL: 1 [1 - **1** - **1**].
5 March 1971: Zambia: Lukusuzi-NP: NMZL: 2 [2 - **2** - **2**].
30 April 1971: Zambia: Lochinvar: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Sayer, J.A.: 4

Scharpe

Collection Date Unknown: Liberia: Fanti: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Scharpe: 1

Scheffler

Collection Date Unknown: Kenya: Kibwesi: ZMB: 8 [8 - **8**].
Tanzania: Amani: ZMB: 1 [1 - **1** - **9**].

Total Specimens for Scheffler: 9

Schepens

22 September 1952: Congo (Democratic Republic of the): Lundjulu: RMCA: 1 [1 - **1** - **1**].
14 October 1952: Congo (Democratic Republic of the): Lundjulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Schepens: 2

Scheppe, W.

6 September 1967: Zambia: Blue Lagoon ranch: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Scheppe, W.: 1

Scherer

Collection Date Unknown: Senegal: Unknown locality: ZMB: 12 [12 - **12** - **12**].

Total Specimens for Scherer: 12

Schettler

Collection Date Unknown: Kenya: Kibwesi: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Schettler: 1

Schilling

Collection Date Unknown: Gabon: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Schilling: 1

Schilling, K.

Collection Date Unknown: Tanzania: Masimani: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Schilling, K.: 1

Schillings

Collection Date Unknown: Tanzania: Masimani: ZMB: 1 [1] - Mikindani: ZMB: 1 [1] - Pangani river: ZMB: 1 [1 - **3**].
Uganda: Yumbe: ZMB: 1 [1 - **1** - **4**].

Total Specimens for Schillings: 4

Schinz, Heinrich Rudolph
(1777 - 1861)

Collection Date Unknown: Namibia: Omburo [=Omburu]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Schinz, Heinrich Rudolph: 1

Schipper

Collection Date Unknown: "Africa": Dume: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Schipper: 1

Schlechter, Max

4 April 1898: South Africa: Steinkopf: SAMC: 1 [1 - **1** - **1**].
26 April 1996: South Africa: Harold Johnson Nature Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Schlechter, Max: 2

Schlegel, Hermann
(1804 - 17 January 1884)

Collection Date Unknown: Guinea: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Schlegel, Hermann: 1

Schlieffen, Afred von
(1833 - 1913)

Collection Date Unknown: Egypt: Unknown locality: ZMB: 1 [1] - Cairo: ZMB: 3 [3] - Cairo, 20 km S: ZMB: 3 [3 - **7** - **7**].

Total Specimens for Schlieffen, Afred von: 7

Schlitter, Duane Albert

Collection Date Unknown: Ethiopia: Koka: CM: 1 [1 - **1**].
Ghana: Legon: CM: 7 [7 - **7**].
Kenya: Kakamega, 5 km S, 16 km E: CM: 1 [1] - Kathekani: CM: 2 [2] - Moane: CM: 5 [5] - Shimba Hills Nature Reserve: CM: 1 [1] - Sigor: CM: 2 [2] - Talek Gate: CM: 10 [10] - Taveta Sisal Estate: CM: 2, MCZ: 1 [3] - Taveta, 3 km E: CM: 1 [1] - Tiwi, NW of: CM: 2 [2] - Wei Wei River: CM: 8 [8 - **35**].
Liberia: Tars Town: USNM: 7 [7 - **7**].
Namibia: Ganab Waterhole: USNM: 1 [1] - Gobabeb: USNM: 1 [1 - **2**].
Somalia: Bulo Burti: CM: 25 [25] - Jamaame: CM: 18 [18] - Libsoma farm: CM: 34 [34] - Snai Sugar Plantation: CM: 71 [71 - **148**].
South Africa: Pafuri: CM: 2 [2] - Simuwana: CM: 1 [1 - **3** - **203**].
25 October 1969: Morocco: Tanger, 13 km W: USNM: 9 [9 - **9** - **9**].
5 November 1969: Morocco: Assa: USNM: 8 [8 - **8** - **8**].
3 December 1969: Namibia: Ganab Waterhole: USNM: 4 [4 - **4** - **4**].
6 December 1969: Namibia: Gobabeb: USNM: 4 [4 - **4** - **4**].
8 December 1969: Namibia: Gobabeb: USNM: 2 [2] - Namib Desert Research Station: USNM: 1 [1 - **3** - **3**].
11 December 1969: Namibia: Namib Desert Research Station: USNM: 1 [1 - **1** - **1**].
14 June 1971: Liberia: Paynesville: USNM: 1 [1 - **1** - **1**].
2 July 1971: Liberia: Tars Town: USNM: 8 [8 - **8** - **8**].
9 July 1971: Liberia: Tars Town: USNM: 4 [4 - **4** - **4**].
12 July 1971: Liberia: Tars Town: USNM: 1 [1 - **1** - **1**].
14 July 1971: Liberia: Tars Town: USNM: 2 [2 - **2** - **2**].
15 July 1971: Liberia: Tars Town: USNM: 2 [2 - **2** - **2**].
16 July 1971: Liberia: Tars Town: USNM: 1 [1 - **1** - **1**].
19 July 1971: Liberia: Tars Town: USNM: 2 [2 - **2** - **2**].
20 July 1971: Liberia: Tars Town: USNM: 2 [2 - **2** - **2**].
21 July 1971: Liberia: Tars Town: USNM: 1 [1 - **1** - **1**].
22 July 1971: Liberia: Tars Town: USNM: 1 [1 - **1** - **1**].
24 July 1971: Liberia: Tars Town: USNM: 7 [7 - **7** - **7**].
25 July 1971: Liberia: Tars Town: USNM: 14 [14 - **14** - **14**].
26 July 1971: Liberia: Tars Town: USNM: 8 [8 - **8** - **8**].
27 July 1971: Liberia: Tars Town: USNM: 6 [6 - **6** - **6**].
28 July 1971: Liberia: Tars Town: USNM: 2 [2 - **2** - **2**].
29 July 1971: Liberia: Tars Town: USNM: 9 [9 - **9** - **9**].
30 July 1971: Liberia: Tars Town: USNM: 5 [5 - **5** - **5**].
17 September 1971: Ghana: Accra, 9 mi [=14.5 km] NE: CM: 4 [4 - **4** - **4**].
26 March 1977: South Africa: Huwi Private Nature Reserve: CM: 1 [1 - **1** - **1**].
27 April 1977: Namibia: Farm Kanaän: CM: 1 [1 - **1** - **1**].
28 April 1977: Namibia: Farm Kanaän: CM: 2 [2 - **2** - **2**].
29 April 1977: Namibia: Farm Kanaän: CM: 5 [5 - **5** - **5**].
30 April 1977: Namibia: Farm Kanaän: CM: 2 [2 - **2** - **2**].
3 May 1977: Namibia: Farm Kanaän: TM: 2 [2 - **2** - **2**].
8 August 1978: Cameroon: Yaoundé, 16 km S, 2 km E: CM: 1 [1 - **1** - **1**].
11 August 1978: Cameroon: Eseka, 3 km S, 3 km W: CM: 1 [1 - **1** - **1**].
8 September 1978: Ghana: Legon: CM: 1 [1 - **1** - **1**].
13 September 1978: Ghana: Nkawkaw, 3.25 km N, 1.33 km W: CM: 4 [4 - **4** - **4**].
11 September 1979: South Africa: Levuvhu Hippopool: CM: 2 [2 - **2** - **2**].
12 September 1979: South Africa: Levuvhu Hippopool: CM: 1 [1 - **1** - **1**].
14 September 1979: South Africa: Pafuri area, Mockford's Garden: CM: 1 [1 - **1** - **1**].
18 September 1979: South Africa: Longtoon dam: CM: 2 [2 - **2** - **2**].
21 September 1979: South Africa: Punda Milia Camp: CM: 3 [3 - **3** - **3**].
22 September 1979: South Africa: Punda Milia Camp: CM: 2 [2 - **2** - **2**].
23 September 1979: South Africa: Shashanga windmill: CM: 15 [15 - **15** - **15**].
10 March 1980: Somalia: Jamaame, 4 km S, 4 km W: CM: 1 [1 - **1** - **1**].
11 March 1980: Somalia: Jamaame, 4 km S, 4 km W: CM: 1 [1 - **1** - **1**].
12 March 1980: Somalia: Jamaame, 4 km S, 4 km W: CM: 3 [3 - **3** - **3**].
13 March 1980: Somalia: Jamaame, 4 km S, 4 km W: CM: 2 [2 - **2** - **2**].
25 September 1980: Somalia: Libsoma Farm: BRTC: 1 [1 - **1** - **1**].
28 September 1980: Somalia: Libsoma Farm: BRTC: 1, TTU: 1 [2 - **2** - **2**].
30 September 1980: Somalia: Libsoma Farm: BRTC: 1 [1 - **1** - **1**].
8 October 1980: Somalia: Bulo Burti: CM: 1 [1 - **1** - **1**].
18 October 1980: Somalia: Snai Sugar Plantation: BRTC: 1, TTU: 1 [2 - **2** - **2**].
19 October 1980: Somalia: Snai Sugar Plantation: CM: 1 [1 - **1** - **1**].
20 October 1980: Somalia: Snai Sugar Plantation: BRTC: 1 [1 - **1** - **1**].
21 October 1980: Somalia: Snai Sugar Plantation: CM: 2 [2 - **2** - **2**].
22 October 1980: Somalia: Snai Sugar Plantation: BRTC: 2, CM: 9 [11 - **11** - **11**].
23 October 1980: Somalia: Snai Sugar Plantation: CM: 2 [2 - **2** - **2**].
24 October 1980: Somalia: Snai Sugar Plantation: CM: 4, TTU: 1 [5 - **5** - **5**].
25 October 1980: Somalia: Snai Sugar Plantation: CM: 2 [2 - **2** - **2**].
3 November 1980: Somalia: El Amha Cave: BRTC: 1 [1 - **1** - **1**].
4 November 1980: Somalia: El Amba cave: TTU: 1 [1 - **1** - **1**].
10 November 1980: Somalia: El Amba cave: TTU: 1 [1 - **1** - **1**].
11 November 1980: Somalia: El Amha Cave: BRTC: 1 [1 - **1** - **1**].
11 March 1982: Somalia: Jamaame, 4 km S, 4 km W: CM: 4 [4 - **4** - **4**].

12 March 1982: Somalia: Jamaame, 4 km S, 4 km W: CM: 1 [1 - **1** - **1**].
13 March 1982: Somalia: Jamaame, 4 km S, 4 km W: CM: 1 [1 - **1** - **1**].
14 March 1982: Somalia: Jamaame, 5 km S, 7.5 km W: CM: 2 [2 - **2** - **2**].
17 March 1982: Somalia: Wadajir, 8 km N, 4.5 km E: CM: 2 [2 - **2** - **2**].
18 October 1982: Gabon: Cap Esterias: CM: 1 [1 - **1** - **1**].
3 August 1984: South Africa: Pafuri area, Mockford's Garden: CM: 1 [1 - **1** - **1**].
11 August 1984: Namibia: Welverdien Farm 328: CM: 1 [1 - **1** - **1**].
22 August 1984: Namibia: Farm Ombonde 616: SMW: 1 [1] - Ombonde Farm 616: CM: 2 [2 - **3** - **3**].
23 August 1984: Namibia: Ombonde Farm 616: CM: 2 [2 - **2** - **2**].
24 August 1984: Namibia: Ombonde Farm 616: CM: 2 [2 - **2** - **2**].
1 November 1984: Namibia: Klein Aus Farm 8: CM: 1 [1 - **1** - **1**].
30 September 1985: Kenya: Hells Gate Canyon: CM: 1, MCZ: 1 [2 - **2** - **2**].
3 October 1985: Kenya: Ndabibi cave: MCZ: 2 [2 - **2** - **2**].
6 October 1985: Kenya: Diatomite mine: MCZ: 2 [2 - **2** - **2**].
14 October 1985: Kenya: Makandara picnic site: MCZ: 2 [2 - **2** - **2**].
17 October 1985: Kenya: Ukunda, 3.5 km S, 1 km E: MCZ: 1 [1 - **1** - **1**].
18 October 1985: Kenya: Moana Marine Station: CM: 3 [3] - Ngombeni [caves]: MCZ: 2 [2 - **5** - **5**].
4 November 1985: Kenya: Kakamega, 6 km S, 16 km E: MCZ: 2 [2 - **2** - **2**].
5 November 1985: Kenya: Kakamega forest station: MCZ: 2 [2 - **2** - **2**].
6 November 1985: Kenya: Kakamega forest station: MCZ: 1 [1 - **1** - **1**].
8 November 1985: Kenya: Ikuywa River Bridge: CM: 2 [2 - **2** - **2**].
5 August 1987: Kenya: Ikuywa river bridge: CM: 2, MCZ: 3 [5 - **5** - **5**].
10 August 1987: Kenya: Talek Gate: CM: 1 [1 - **1** - **1**].
13 August 1987: Kenya: Talek Gate: CM: 1 [1 - **1** - **1**].
18 August 1987: Kenya: Makandara picnic site: CM: 2 [2 - **2** - **2**].
31 August 1987: Kenya: Buffalo Springs natural reserve: CM: 4 [4 - **4** - **4**].
2 September 1987: Kenya: Buffalo Springs natural reserve: CM: 4 [4 - **4** - **4**].
11 September 1987: Kenya: Sigor: CM: 1, MCZ: 1 [2 - **2** - **2**].
13 September 1987: Kenya: Sigor: CM: 2 [2 - **2** - **2**].
19 September 1987: Kenya: Taveta Sisal Estate: MCZ: 1 [1 - **1** - **1**].
20 September 1987: Kenya: Taveta, 3 km E: CM: 3, MCZ: 3 [6 - **6** - **6**].
22 September 1987: Kenya: Ngangas Forest: MCZ: 1 [1] - Taita hills, Ngangao forest: CM: 4 [4 - **5** - **5**].
3 October 1987: Kenya: Taita hills, Ngangao forest: CM: 1 [1 - **1** - **1**].
18 November 1988: South Africa: Natures Valley Village: CM: 3 [3 - **3** - **3**].
22 November 1988: South Africa: Jonkershoek research station: CM: 1 [1 - **1** - **1**].
23 November 1988: South Africa: Jonkershoek research station: CM: 1 [1 - **1** - **1**].
24 November 1988: South Africa: Jonkershoek research station: CM: 2 [2 - **2** - **2**].
1 December 1988: South Africa: Cederberg, Algeria State Forest: CM: 1 [1 - **1** - **1**].
2 December 1988: South Africa: Cederberg, Algeria State Forest: CM: 2 [2 - **2** - **2**].
3 December 1988: South Africa: Cederberg, Algeria State Forest: CM: 2 [2 - **2** - **2**].
1 November 1989: South Africa: Farm Olivewood 284: CM: 4 [4 - **4** - **4**].
2 November 1989: South Africa: Farm Olivewood 284: CM: 5 [5 - **5** - **5**].
19 November 1989: South Africa: Farm Greefswald 37MS, Shashi-Limpopo confluence: CM: 7 [7 - **7** - **7**].
20 November 1989: South Africa: Farm Greefswald 37MS, Shashi-Limpopo confluence: CM: 6 [6 - **6** - **6**].
22 November 1989: South Africa: Farm Greefswald 37MS, Shashi-Limpopo confluence: CM: 9 [9 - **9** - **9**].
10 June 1991: Cameroon: Bake river bridge: CM: 2 [2 - **2** - **2**].
12 June 1993: Congo: Epéna: CM: 8 [8 - **8** - **8**].
13 June 1993: Congo: Epéna: CM: 11 [11] - Voka: CM: 1 [1 - **12** - **12**].
2 April 1995: Ethiopia: Wereta-Weldiya Road: CM: 1 [1 - **1** - **1**].
15 February 1998: South Africa: Doornkraal Camp Site: DNSM: 2 [2 - **2** - **2**].
29 January 2001: Ethiopia: Koha Dairy Development: BRTC: 3 [3 - **3** - **3**].
21 February 2001: Ethiopia: Dogy River Bridge: BRTC: 1 [1 - **1** - **1**].
23 February 2001: Ethiopia: Dogy River Bridge: BRTC: 1 [1 - **1** - **1**].

Total Specimens for Schlitter, Duane Albert: 549

Schlitter, Duane Albert, *et al.*

Collection Date Unknown: Kenya: Ikuywa River Bridge: CM: 1 [1] - Shimba Hills Nature Reserve: CM: 1 [1 - **2** - **2**].
30 September 1985: Kenya: Hells Gate Canyon: CM: 1 [1 - **1** - **1**].
3 October 1985: Kenya: Hells Gate Canyon: CM: 2 [2 - **2** - **2**].
7 October 1985: Kenya: Nakuru, 12 km S, 4 km E: CM: 2 [2 - **2** - **2**].
14 October 1985: Kenya: Makandara picnic site: CM: 1 [1 - **1** - **1**].
15 October 1985: Kenya: Makandara picnic site: CM: 4 [4 - **4** - **4**].
16 October 1985: Kenya: Shimba Hills Nature Reserve: CM: 1 [1 - **1** - **1**].
17 October 1985: Kenya: Tiwi, 1 km N: CM: 1 [1 - **1** - **1**].
19 October 1985: Kenya: Tiwi, 1 km N: CM: 2 [2 - **2** - **2**].
23 October 1985: Kenya: Bushwacker's Safari Camp: CM: 2 [2 - **2** - **2**].
24 October 1985: Kenya: Bushwacker's Safari Camp: CM: 1 [1 - **1** - **1**].
25 October 1985: Kenya: Bushwacker's Safari Camp: CM: 1 [1 - **1** - **1**].
27 October 1985: Kenya: Bushwacker's Safari Camp: CM: 5 [5 - **5** - **5**].
5 November 1985: Kenya: Kakamega forest station: CM: 3 [3 - **3** - **3**].
6 November 1985: Kenya: Kakamega forest station: CM: 1 [1 - **1** - **1**].

8 November 1985: Kenya: Ikuywa River Bridge: CM: 2 [2 - **2** - **2**].

Total Specimens for Schlitter, Duane Albert, *et al.*: 31

Schlitter, Duane Albert; Coetzee, C.G.

22 August 1984: Namibia: Farm Ombonde 616: SMW: 3 [3 - **3** - **3**].
23 August 1984: Namibia: Farm Ombonde 616: SMW: 2 [2 - **2** - **2**].

Total Specimens for Schlitter, Duane Albert; Coetzee, C.G.: 5

Schlitter, Duane Albert; Williams, Stephen L.

4 August 1978: Cameroon: Yaoundé, 7 km S, 8 km W: CM: 2 [2 - **2** - **2**].
6 August 1978: Cameroon: Yaoundé, 16 km S, 2 km E: CM: 1 [1 - **1** - **1**].
7 August 1978: Cameroon: Yaoundé, 7 km S, 8 km W: CM: 1 [1 - **1** - **1**].
8 August 1978: Cameroon: Yaoundé, 16 km S, 2 km E: CM: 2 [2 - **2** - **2**].

Total Specimens for Schlitter, Duane Albert; Williams, Stephen L.: 6

Schluter

1 January 1871: South Africa: Durban: SMNS: 1 [1 - **1** - **1**].
28 February 1907: Uganda: Entebbe: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Schluter: 2

Schlüter, A.

Collection Date Unknown: Gabon: Unknown locality: ZMB: 1 [1 - **1**].
South Africa: Port Natal [=Durban]: ZMB: 1 [1 - **1**].
Tanzania: Kinole: ZMB: 1 [1 - **1**].
Uganda: Entebbe: ZMB: 4 [4 - **4** - **7**].

Total Specimens for Schlüter, A.: 7

Schlüter, Wilhelm
(1828 - 25 April 1919)

Collection Date Unknown: Egypt: Unknown locality: USNM: 1 [1] - Sinai: USNM: 3 [3 - **4**].
Liberia: Unknown locality: USNM: 1 [1 - **1** - **5**].
1 January 1871: South Africa: KwaZulu-Natal province: SMNS: 1 [1 - **1** - **1**].
1 January 1894: Egypt: Unknown locality: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Schlüter, Wilhelm: 7

Schmidt

Collection Date Unknown: Togo: Atakpamé: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Schmidt: 1

Schmidt, A.
(1860 - 1936)

Collection Date Unknown: The Gambia: Unknown locality: BMNH: 1 [1 - **1** - **1**].
22 February 1892: Gabon: Ogowe: ZMH: 1 [1 - **1** - **1**].

Total Specimens for Schmidt, A.: 2

Schmidt, Brian K.

1 June 2002: Gabon: Ossengue Camp site: USNM: 1 [1 - **1** - **1**].

Total Specimens for Schmidt, Brian K.: 1

Schmidt, D.F.

20 April 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 3 [3 - **3** - **3**].
13 May 1984: Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: USNM: 1 [1 - **1** - **1**].

Total Specimens for Schmidt, D.F.: 4

Schmitt, Carl Gregory

21 March 1990: Liberia: Ziggida, 13 km N, 1 km E: AMNH: 5 [5 - **5** - **5**].
22 March 1990: Liberia: Ziggida, 13 km N, 1 km E: AMNH: 3 [3 - **3** - **3**].

Total Specimens for Schmitt, Carl Gregory: 8

Schmitt, Waldo LaSalle
(1887: Washington - 5 August 1977)

16 May 1955: Congo (Democratic Republic of the): Lwiro: USNM: 2 [2 - **2** - **2**].

Total Specimens for Schmitt, Waldo LaSalle: 2

Schmitt, Waldo LaSalle; Baker, E.

Collection Date Unknown: Congo (Democratic Republic of the): Uvira: USNM: 2 [2 - **2** - **2**].
4 May 1955: Congo (Democratic Republic of the): Mount Hoyo caves: USNM: 18 [18 - **18** - **18**].
6 May 1955: Congo (Democratic Republic of the): Lwiro: USNM: 1 [1 - **1** - **1**].
16 May 1955: Congo (Democratic Republic of the): Lwiro: USNM: 6 [6 - **6** - **6**].
25 May 1955: Congo (Democratic Republic of the): Uvira: USNM: 2 [2 - **2** - **2**].

Total Specimens for Schmitt, Waldo LaSalle; Baker, E.: 29

Schmutter, H.; Kock, Dieter

22 February 1970: Kenya: Unknown locality: SMF: 1 [1 - **1** - **1**].
15 February 1998: South Africa: Doornkraal Camp Site: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Schmutter, H.; Kock, Dieter: 2

Schneider

Collection Date Unknown: Ghana: Accra: ZMB: 3 [3 - **3**].
Guinea: Unknown locality: ZMB: 1 [1 - **1**].
Madagascar: Fort Dauphin: MZUF: 1 [1] - no specific locality: ZMB: 1 [1 - **2**].
Mauritius: Unknown locality: ZMB: 2 [2 - **2**].
Sudan: Upper White Nile: ZMB: 1 [1 - **1** - **9**].

Total Specimens for Schneider: 9

Schneider, G.

Collection Date Unknown: Mauritius: Unknown locality: RMNH: 2 [2 - **2** - **2**].
1 January 1945: Egypt: Unknown locality: MHNG: 2 [2 - **2** - **2**].

Total Specimens for Schneider, G.: 4

Schoeman, M. Corrie

13 October 1996: South Africa: Empisini Nature Reserve: DNSM: 1 [1 - **1** - **1**].
17 August 2003: South Africa: Johannesburg: TM: 1 [1 - **1** - **1**].
8 February 2010: South Africa: Ferncliff Bat Cave: DNSM: 1 [1 - **1** - **1**].
9 May 2012: South Africa: Ferncliff Bat Cave: DNSM: 2 [2 - **2** - **2**].

Total Specimens for Schoeman, M. Corrie: 5

Schoeman, M. Corrie; *et al.*

17 February 1998: South Africa: Wondermine: DNSM: 2 [2 - **2** - **2**].
16 December 2002: South Africa: Miggiesgat cave: TM: 1 [1 - **1** - **1**].
18 December 2002: South Africa: Sudwala Cave: TM: 2 [2 - **2** - **2**].
19 December 2002: South Africa: Miggiesgat cave: TM: 1 [1 - **1** - **1**].

Total Specimens for Schoeman, M. Corrie; *et al.*: 6

Schoeman, M. Corrie; Seamark, Ernest Charles James

12 October 2003: South Africa: Sudwala Mine 2: TM: 3 [3 - **3** - **3**].

Total Specimens for Schoeman, M. Corrie; Seamark, Ernest Charles James: 3

Scholtz, C.

Collection Date Unknown: South Africa: Farm Ferndale: TM: 1 [1 - **1** - **1**].
30 December 1973: South Africa: Farm Ferndale: TM: 1 [1 - **1** - **1**].
6 April 1996: South Africa: Empisini Nature Reserve: DNSM: 1 [1 - **1** - **1**].
27 April 1996: South Africa: Harold Johnson Nature Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Scholtz, C.: 4

Schönheit

Collection Date Unknown: Tanzania: Morogoro: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Schönheit: 1

Schoorl, J.

1 December 1987: Congo (Democratic Republic of the): Goma: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Schoorl, J.: 1

Schouteden, Henri
(3 May 1881: Ixelles - 15 November 1972: Auderghem)

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1] - Arebi Bondo Mabe: RMCA: 2 [2] - Boma: RMCA: 1 [1] - Kabalo: RMCA: 13 [13] - Kunungu: RMCA: 1 [1] - Léopoldville: RMCA: 1 [1] - N'Gombe: RMCA: 1 [1] - Tembwe: RMCA: 3 [3 - **23**].
Rwanda: Kisenyi: RMCA: 1 [1 - **1** - **24**].
5 July 1920: Congo (Democratic Republic of the): Boma: RMCA: 2 [2 - **2** - **2**].
25 July 1920: Congo (Democratic Republic of the): Banana: RMCA: 2 [2 - **2** - **2**].
26 July 1920: Congo (Democratic Republic of the): Banana: RMCA: 1 [1 - **1** - **1**].
1 August 1920: Congo (Democratic Republic of the): Boma: RMCA: 4 [4 - **4** - **4**].
18 August 1920: Congo (Democratic Republic of the): Moanda: RMCA: 3 [3 - **3** - **3**].
19 August 1920: Congo (Democratic Republic of the): Moanda: RMCA: 1 [1 - **1** - **1**].
21 August 1920: Congo (Democratic Republic of the): Moanda: RMCA: 3 [3 - **3** - **3**].
1 October 1920: Congo (Democratic Republic of the): Boma: RMCA: 2 [2] - Moanda: RMCA: 1 [1 - **3** - **3**].
16 October 1920: Congo (Democratic Republic of the): Kisala: RMCA: 1 [1 - **1** - **1**].
20 November 1920: Congo (Democratic Republic of the): Boma: RMCA: 2 [2 - **2** - **2**].
21 November 1920: Congo (Democratic Republic of the): Boma: RMCA: 3 [3 - **3** - **3**].
23 November 1920: Congo (Democratic Republic of the): Boma: RMCA: 14 [14 - **14** - **14**].
24 November 1920: Congo (Democratic Republic of the): Boma: RMCA: 7 [7 - **7** - **7**].
25 November 1920: Congo (Democratic Republic of the): Boma: RMCA: 1 [1 - **1** - **1**].
26 November 1920: Congo (Democratic Republic of the): Boma: RMCA: 1 [1 - **1** - **1**].
28 November 1920: Congo (Democratic Republic of the): Boma: RMCA: 1 [1 - **1** - **1**].
11 December 1920: Congo (Democratic Republic of the): Kisantu: RMCA: 4 [4 - **4** - **4**].
12 December 1920: Congo (Democratic Republic of the): Kisantu: RMCA: 4 [4 - **4** - **4**].
15 December 1920: Congo (Democratic Republic of the): Kisantu: RMCA: 5 [5 - **5** - **5**].
18 December 1920: Congo (Democratic Republic of the): Kisantu: RMCA: 1 [1 - **1** - **1**].
19 December 1920: Congo (Democratic Republic of the): Kisantu: RMCA: 3 [3 - **3** - **3**].
27 December 1920: Congo (Democratic Republic of the): Kisantu: RMCA: 1 [1 - **1** - **1**].
1 January 1921: Congo (Democratic Republic of the): Eala: RMCA: 1 [1] - N'Gombe: RMCA: 2 [2] - Tshikapa: RMCA: 1 [1 - **4** - **4**].
2 January 1921: Congo (Democratic Republic of the): Eala: RMCA: 2 [2 - **2** - **2**].
3 January 1921: Congo (Democratic Republic of the): Eala: RMCA: 1 [1 - **1** - **1**].
4 January 1921: Congo (Democratic Republic of the): Eala: RMCA: 4 [4 - **4** - **4**].
5 January 1921: Congo (Democratic Republic of the): Eala: RMCA: 2 [2 - **2** - **2**].
24 January 1921: Congo (Democratic Republic of the): Eala: RMCA: 1 [1 - **1** - **1**].
15 February 1921: Congo (Democratic Republic of the): Ikengo: RMCA: 1 [1 - **1** - **1**].
16 February 1921: Congo (Democratic Republic of the): Ikengo: RMCA: 1 [1 - **1** - **1**].
19 February 1921: Congo (Democratic Republic of the): Tondu: RMCA: 1 [1 - **1** - **1**].
23 February 1921: Congo (Democratic Republic of the): Tondu: RMCA: 1 [1 - **1** - **1**].
24 February 1921: Congo (Democratic Republic of the): Tondu: RMCA: 7 [7 - **7** - **7**].
27 February 1921: Congo (Democratic Republic of the): Bikoro: RMCA: 7 [7] - Bokungu: RMCA: 1 [1 - **8** - **8**].
1 March 1921: Congo (Democratic Republic of the): Kunungu: RMCA: 2 [2 - **2** - **2**].
2 March 1921: Congo (Democratic Republic of the): Bikoro: RMCA: 1 [1 - **1** - **1**].
15 March 1921: Congo (Democratic Republic of the): Eala: RMCA: 2 [2 - **2** - **2**].
27 March 1921: Congo (Democratic Republic of the): Bolobo: RMCA: 12 [12 - **12** - **12**].
9 April 1921: Congo (Democratic Republic of the): Kunungu: RMCA: 14 [14 - **14** - **14**].
11 April 1921: Congo (Democratic Republic of the): Mongende: RMCA: 3 [3 - **3** - **3**].
24 May 1921: Congo (Democratic Republic of the): Kwamouth: RMCA: 3 [3 - **3** - **3**].
29 May 1921: Congo (Democratic Republic of the): Kwamouth: RMCA: 1 [1 - **1** - **1**].
2 June 1921: Congo (Democratic Republic of the): Kwamouth: RMCA: 2 [2 - **2** - **2**].
17 June 1921: Congo (Democratic Republic of the): Kwamouth: RMCA: 1 [1 - **1** - **1**].
19 July 1921: Congo (Democratic Republic of the): Basongo: RMCA: 2 [2 - **2** - **2**].
19 August 1921: Congo (Democratic Republic of the): Luebo: RMCA: 4 [4 - **4** - **4**].

21 August 1921: Congo (Democratic Republic of the): Luebo: RMCA: 1 [1 - **1** - **1**].
26 August 1921: Congo (Democratic Republic of the): Luebo: RMCA: 1 [1 - **1** - **1**].
10 September 1921: Congo (Democratic Republic of the): Luebo: RMCA: 1 [1 - **1** - **1**].
21 September 1921: Congo (Democratic Republic of the): Macaco: RMCA: 1 [1 - **1** - **1**].
29 September 1921: Congo (Democratic Republic of the): Macaco: RMCA: 1 [1 - **1** - **1**].
16 October 1921: Congo (Democratic Republic of the): Kabambaie: RMCA: 2 [2 - **2** - **2**].
25 October 1921: Congo (Democratic Republic of the): Tshikapa: RMCA: 4 [4 - **4** - **4**].
9 November 1921: Congo (Democratic Republic of the): N'Gombe: RMCA: 7 [7 - **7** - **7**].
10 November 1921: Congo (Democratic Republic of the): N'Gombe: RMCA: 1 [1 - **1** - **1**].
12 November 1921: Congo (Democratic Republic of the): N'Gombe: RMCA: 2 [2 - **2** - **2**].
16 November 1921: Congo (Democratic Republic of the): Tshikapa: RMCA: 1 [1 - **1** - **1**].
20 November 1921: Congo (Democratic Republic of the): Tshikapa: RMCA: 1 [1 - **1** - **1**].
24 November 1921: Congo (Democratic Republic of the): Tshikapa: RMCA: 1 [1 - **1** - **1**].
26 November 1921: Congo (Democratic Republic of the): Tshikapa: RMCA: 5 [5 - **5** - **5**].
28 November 1921: Congo (Democratic Republic of the): Tshikapa: RMCA: 1 [1 - **1** - **1**].
13 December 1921: Congo (Democratic Republic of the): Luebo: RMCA: 11 [11 - **11** - **11**].
15 December 1921: Congo (Democratic Republic of the): Luebo: RMCA: 2 [2 - **2** - **2**].
16 December 1921: Congo (Democratic Republic of the): Luebo: RMCA: 5 [5 - **5** - **5**].
17 December 1921: Congo (Democratic Republic of the): Luebo: RMCA: 1 [1 - **1** - **1**].
19 December 1921: Congo (Democratic Republic of the): Luebo: RMCA: 7 [7 - **7** - **7**].
1 January 1922: Congo (Democratic Republic of the): Boma: RMCA: 3 [3] - Kunungu: RMCA: 1 [1] - Makaia N'Tete: RMCA: 8 [8 - **12** - **12**].
17 February 1922: Congo (Democratic Republic of the): Kidada: RMCA: 1 [1 - **1** - **1**].
20 February 1922: Congo (Democratic Republic of the): Kidada: RMCA: 2 [2 - **2** - **2**].
21 February 1922: Congo (Democratic Republic of the): Kidada: RMCA: 1 [1 - **1** - **1**].
8 March 1922: Congo (Democratic Republic of the): Temvo: RMCA: 1 [1 - **1** - **1**].
30 March 1922: Congo (Democratic Republic of the): Makaia N'Tete: RMCA: 10 [10 - **10** - **10**].
1 December 1924: Congo (Democratic Republic of the): Djamba: RMCA: 1 [1] - Koteli: RMCA: 4 [4 - **5** - **5**].
19 December 1924: Congo (Democratic Republic of the): Djamba: RMCA: 1 [1 - **1** - **1**].
20 December 1924: Congo (Democratic Republic of the): Djamba: RMCA: 1 [1 - **1** - **1**].
1 January 1925: Congo (Democratic Republic of the): Koteli: RMCA: 1 [1] - N'Goma: RMCA: 1 [1 - **2** - **2**].
2 January 1925: Congo (Democratic Republic of the): Koteli: RMCA: 2 [2 - **2** - **2**].
3 January 1925: Congo (Democratic Republic of the): Koteli: RMCA: 1 [1 - **1** - **1**].
15 January 1925: Congo (Democratic Republic of the): Koteli: RMCA: 1 [1 - **1** - **1**].
23 January 1925: Congo (Democratic Republic of the): Koteli: RMCA: 3 [3 - **3** - **3**].
29 January 1925: Congo (Democratic Republic of the): Buta: RMCA: 1 [1 - **1** - **1**].
26 February 1925: Congo (Democratic Republic of the): Mauda: RMCA: 2 [2 - **2** - **2**].
1 March 1925: Congo (Democratic Republic of the): Mauda: RMCA: 1 [1 - **1** - **1**].
2 March 1925: Congo (Democratic Republic of the): Mauda: RMCA: 1 [1 - **1** - **1**].
16 March 1925: Congo (Democratic Republic of the): Mauda: RMCA: 3 [3 - **3** - **3**].
18 March 1925: Congo (Democratic Republic of the): Mauda: RMCA: 2 [2 - **2** - **2**].
19 March 1925: Congo (Democratic Republic of the): Dika: RMCA: 2 [2 - **2** - **2**].
21 March 1925: Congo (Democratic Republic of the): Mauda: RMCA: 2 [2 - **2** - **2**].
1 April 1925: Congo (Democratic Republic of the): Dungu: RMCA: 1 [1 - **1** - **1**].
18 April 1925: Congo (Democratic Republic of the): Dramba: RMCA: 1 [1 - **1** - **1**].
5 May 1925: Congo (Democratic Republic of the): Mahagi Port: RMCA: 4 [4 - **4** - **4**].
10 May 1925: Congo (Democratic Republic of the): Mahagi Port: RMCA: 1 [1 - **1** - **1**].
13 May 1925: Congo (Democratic Republic of the): Mahagi Port: RMCA: 2 [2 - **2** - **2**].
14 May 1925: Congo (Democratic Republic of the): Mahagi Port: RMCA: 1 [1 - **1** - **1**].
16 May 1925: Congo (Democratic Republic of the): Mahagi Port: RMCA: 2 [2 - **2** - **2**].
1 June 1925: Congo (Democratic Republic of the): Niarembe: RMCA: 1 [1 - **1** - **1**].
21 June 1925: Congo (Democratic Republic of the): Abimva: RMCA: 1 [1 - **1** - **1**].
22 June 1925: Congo (Democratic Republic of the): Abimva: RMCA: 5 [5 - **5** - **5**].
23 June 1925: Congo (Democratic Republic of the): Abimva: RMCA: 5 [5 - **5** - **5**].
1 July 1925: Congo (Democratic Republic of the): Faradje: RMCA: 5 [5 - **5** - **5**].
5 July 1925: Congo (Democratic Republic of the): Faradje: RMCA: 1 [1 - **1** - **1**].
6 July 1925: Congo (Democratic Republic of the): Faradje: RMCA: 3 [3 - **3** - **3**].
7 July 1925: Congo (Democratic Republic of the): Faradje: RMCA: 3 [3 - **3** - **3**].
11 July 1925: Congo (Democratic Republic of the): Faradje: RMCA: 1 [1 - **1** - **1**].
19 July 1925: Congo (Democratic Republic of the): Arebi Bondo Mabe: RMCA: 4 [4 - **4** - **4**].
1 August 1925: Congo (Democratic Republic of the): Rungu: RMCA: 1 [1 - **1** - **1**].
25 August 1925: Congo (Democratic Republic of the): Medje: RMCA: 1 [1 - **1** - **1**].
1 September 1925: Congo (Democratic Republic of the): Panga: RMCA: 17 [17 - **17** - **17**].
13 November 1925: Congo (Democratic Republic of the): Lulenga: RMCA: 1 [1 - **1** - **1**].
24 November 1925: Congo (Democratic Republic of the): Lulenga: RMCA: 1 [1 - **1** - **1**].
28 November 1925: Congo (Democratic Republic of the): Lulenga: RMCA: 1 [1 - **1** - **1**].
1 January 1926: Rwanda: Kisenyi: RMCA: 2 [2] - Shangugu: RMCA: 2 [2 - **4** - **4**].
1 March 1926: Congo (Democratic Republic of the): Elisabethville: RMCA: 2 [2] - Kabalo: RMCA: 1 [1] - Kadia: RMCA: 1 [1 - **4** - **4**].
1 April 1926: Congo (Democratic Republic of the): Elisabethville: RMCA: 6 [6 - **6** - **6**].
1 May 1926: Congo (Democratic Republic of the): Stanleyville: RMCA: 2 [2 - **2** - **2**].
1 January 1931: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Schouteden, Henri: 364

Schrader

Collection Date Unknown: Egypt: Sharqiya: ZMB: 3 [3 - **3**].
Ethiopia: Abyssinia: ZMB: 1 [1 - **1** - **4**].

Total Specimens for Schrader: 4

Schribante, Mrs.

16 January 1995: South Africa: Queenswood: TM: 1 [1 - **1** - **1**].
26 April 1996: South Africa: Harold Johnson Nature Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Schribante, Mrs.: 2

Schrieber, A.

14 March 1979: South Africa: Mangadyane Koppies: KNP: 1 [1 - **1** - **1**].

Total Specimens for Schrieber, A.: 1

Schröder, F.

17 June 1904: Ghana: Ho: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Schröder, F.: 2

Schroder, G.

17 November 1879: Egypt: Dahshur: USNM: 1 [1 - **1** - **1**].

Total Specimens for Schroder, G.: 1

Schubolz, H.

Collection Date Unknown: "Africa": Bornili an the Amwini river: ZMB: 2 [2 - **2**].
Congo (Democratic Republic of the): Kasindi: ZMB: 1 [1 - **1**].
Rwanda: Mugarura: ZMB: 3 [3 - **3** - **6**].
1 October 1910: Central African Republic: Badingua: SMF: 2 [2 - **2** - **2**].
12 October 1910: Congo (Democratic Republic of the): Duma: SMF: 1 [1 - **1** - **1**].
1 March 1911: Chad: Fort Archambault: SMF: 2 [2 - **2** - **2**].
1 June 1911: Congo (Democratic Republic of the): Unknown locality: SMF: 1 [1] - Koloka: SMF: 2 [2 - **3** - **3**].

Total Specimens for Schubolz, H.: 14

Schuck, V.

Collection Date Unknown: South Africa: Somkele: USNM: 1 [1] - Umteriumi: USNM: 1 [1 - **2** - **2**].

Total Specimens for Schuck, V.: 2

Schultze

Collection Date Unknown: "Africa": Kubub: ZMB: 1 [1] - S-Africa: ZMB: 2 [2 - **3**].
South Africa: Lobatsi [intermittent stream]: ZMB: 1 [1 - **1** - **4**].

Total Specimens for Schultze: 4

Schultze, A.; Herz, A.F.M.; Expedition 1910/11, the

Collection Date Unknown: Cameroon: Fenda: SMF: 1 [1 - **1** - **1**].

Total Specimens for Schultze, A.; Herz, A.F.M.; Expedition 1910/11, the: 1

Schuster, Karl J.

Collection Date Unknown: Tanzania: Li Junge, mountain: ZMB: 1 [1] - Li Tunge: ZMB: 1 [1 - **2** - **2**].

Total Specimens for Schuster, Karl J.: 2

Schüz

1 October 1967: Ethiopia: Tana, lake: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Schüz: 1

Schwab, George W.

Collection Date Unknown: Cameroon: Unknown locality: MCZ: 4 [4] - Sakbayeme: MCZ: 2 [2 - **6** - **6**].
1 January 1911: Cameroon: Kribi: MCZ: 2 [2 - **2** - **2**].
1 January 1913: Cameroon: Ebolowa: AMNH: 4, MCZ: 29 [33] - Mbalmayo, probably near: MCZ: 18 [18] - Metet: AMNH: 1, MCZ: 35 [36] - Nyong River, near: MCZ: 1 [1 - **88** - **88**].
1 April 1916: Cameroon: Metet: MCZ: 1 [1 - **1** - **1**].
2 June 1916: Cameroon: Metet: MCZ: 1 [1 - **1** - **1**].
1 January 1920: Cameroon: Sakbayeme: FMNH: 1, MCZ: 13 [14 - **14** - **14**].
17 September 1920: Cameroon: Sakbayeme: MCZ: 1 [1 - **1** - **1**].
1 January 1922: Cameroon: Sakbayeme: MCZ: 2 [2 - **2** - **2**].
1 January 1924: Cameroon: Sakbayeme: MCZ: 2 [2 - **2** - **2**].
28 October 1924: Cameroon: Sousak: MCZ: 1 [1 - **1** - **1**].
11 November 1924: Cameroon: Sousak: MCZ: 1 [1 - **1** - **1**].
1 January 1925: Cameroon: Sakbayeme: MCZ: 1 [1 - **1** - **1**].
27 May 1925: Cameroon: Sakbayeme: MCZ: 1 [1 - **1** - **1**].
9 September 1925: Cameroon: Sakbayeme: MCZ: 1 [1 - **1** - **1**].
13 July 1926: Cameroon: Sakbayeme: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Schwab, George W.: 123

Schwäbish; Thollon, R.

Collection Date Unknown: Gabon: Franceville: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Schwäbish; Thollon, R.: 2

Schwan, Tom G.

26 January 1976: Kenya: Makalia Falls: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Schwan, Tom G.: 1

Schwartz, A.

15 August 1939: Kenya: Elgon cave: KU: 1 [1 - **1** - **1**].
18 September 1940: Uganda: Kagolomolo-Busi island: KU: 1 [1 - **1** - **1**].
10 July 1944: Kenya: Ng'enyi: KU: 1 [1 - **1** - **1**].

Total Specimens for Schwartz, A.: 3

Schwartz, A.; Ansell, William Frank Harding

20 August 1957: Zambia: Lunga Game Reserve: KU: 1 [1 - **1** - **1**].

Total Specimens for Schwartz, A.; Ansell, William Frank Harding: 1

Schwartz, A.; Cade, C.E.

30 August 1950: Kenya: Thika: KU: 1 [1 - **1** - **1**].

Total Specimens for Schwartz, A.; Cade, C.E.: 1

Schwartz, A.; Porter, R.N.

2 May 1951: Congo (Democratic Republic of the): Epulu: KU: 4 [4 - **4** - **4**].
3 May 1951: Congo (Democratic Republic of the): Epulu: KU: 2 [2 - **2** - **2**].

Total Specimens for Schwartz, A.; Porter, R.N.: 6

Schwartz, A.; Williams, John George

18 December 1949: Kenya: Bahati [policepost]: KU: 1 [1 - **1** - **1**].

Total Specimens for Schwartz, A.; Williams, John George: 1

Schwarz

Collection Date Unknown: South Sudan: Bahr el Jebel: ZMB: 1 [1] - Taufikia: ZMB: 1 [1 - **2**].
Sudan: Djebel Zeraf [=Zeraf Jebel]: ZMB: 1 [1 - **1** - **3**].

Total Specimens for Schwarz: 3

Schweinfurth, Georg
(1836: Riga - 1925: Berlin)

Collection Date Unknown: Ethiopia: Fashodo: ZMB: 1 [1 - **1**].
South Sudan: Seriba Ghatta: ZMB: 11 [11 - **11**].
Sudan: Weißer Nil [=Bahr-el-Abyat]: ZMB: 3 [3 - **3** - **15**].

Total Specimens for Schweinfurth, Georg: 15

Schwetz

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 2 [2] - Banana: RMCA: 2 [2] - Banjan caves: RMCA: 1 [1] - Stanleyville: RMCA: 1 [1] - Thysville, cave: RMCA: 2 [2 - **8** - **8**].
21 June 1931: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].
1 April 1936: Congo (Democratic Republic of the): Boma: RMCA: 8 [8 - **8** - **8**].
1 July 1936: Congo (Democratic Republic of the): Kasanga: RMCA: 1 [1 - **1** - **1**].
1 September 1936: Congo (Democratic Republic of the): Kimbemba cataracts: RMCA: 1 [1 - **1** - **1**].
10 August 1939: Congo (Democratic Republic of the): Kabare: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Schwetz: 20

Scimund, E.

20 February 1904: Equatorial Guinea: Bilelepe: USNM: 1 [1 - **1** - **1**].

Total Specimens for Scimund, E.: 1

Sclater, William Lutley
(1863 - 1944)

15 March 1906: South Africa: Kenilworth: MSNG: 1 [1 - **1** - **1**].

Total Specimens for Sclater, William Lutley: 1

Scortecci, G.

Collection Date Unknown: Somalia: Bender Cassim: MSNM: 4 [4 - **4** - **4**].
5 July 1953: Somalia: Mijertein province: MSNM: 1 [1 - **1** - **1**].
21 July 1953: Somalia: Candala: MSNM: 1 [1 - **1** - **1**].

Total Specimens for Scortecci, G.: 6

Scott

23 November 1911: "Africa": Unknown locality: BMNH: 1 [1] - Jala plains: BMNH: 2 [2 - **3** - **3**].

Total Specimens for Scott: 3

Scott Elliot, G.

Collection Date Unknown: Sierra Leone: Scaries river: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Scott Elliot, G.: 2

Scott, E.

Collection Date Unknown: South Africa: Kyalami Kennels: TM: 1 [1 - **1** - **1**].
15 February 1998: South Africa: Doornkraal Camp Site: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Scott, E.: 2

Scott, Norman J.

21 November 1975: Cameroon: Lombé: MSB: 2, USNM: 4 [6 - **6** - **6**].
22 November 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 2 [2 - **2** - **2**].
24 November 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 2 [2] - Lombé: MSB: 1 [1 - **3** - **3**].
25 November 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 1 [1] - Lombé: MSB: 1 [1 - **2** - **2**].
27 November 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 1 [1] - Lombé: MSB: 1 [1 - **2** - **2**].
28 November 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 1 [1 - **1** - **1**].
29 November 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 1 [1 - **1** - **1**].
30 November 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 1 [1] - Lombé: MSB: 1 [1 - **2** - **2**].
1 December 1975: Cameroon: Lombé: MSB: 1 [1 - **1** - **1**].
2 December 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 3 [3 - **3** - **3**].
3 December 1975: Cameroon: Lombé: MSB: 2 [2 - **2** - **2**].

4 December 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 2 [2 - **2** - **2**].

Total Specimens for Scott, Norman J.: 27

Scott, Norman J.; Ekondo, S.

30 November 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 6 [6] - Lombé: USNM: 1 [1 - **7** - **7**].
2 December 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 1 [1 - **1** - **1**].
3 December 1975: Cameroon: Douala-Edéa Game Reserve: MSB: 3 [3 - **3** - **3**].

Total Specimens for Scott, Norman J.; Ekondo, S.: 11

Scott-Martin, P.

Collection Date Unknown: Zimbabwe: Hatfield: USNM: 1 [1 - **1** - **1**].

Total Specimens for Scott-Martin, P.: 1

Seamark, Ernest Charles James

9 February 1995: South Africa: Renishaw: DNSM: 1 [1 - **1** - **1**].
16 June 1995: South Africa: Happy Thoughts Gold Mine: DNSM: 2 [2 - **2** - **2**].
29 September 1995: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
6 April 1996: South Africa: Empisini Nature Reserve: DNSM: 1 [1] - Esperanza [=Beneva] Tunnel: DNSM: 1 [1 - **2** - **2**].
7 April 1996: South Africa: Empisini Nature Reserve: DNSM: 2 [2 - **2** - **2**].
27 April 1996: South Africa: Harold Johnson Nature Reserve: DNSM: 1 [1 - **1** - **1**].
6 May 1996: South Africa: Empisini Nature Reserve: DNSM: 1 [1 - **1** - **1**].
15 February 1998: South Africa: Doornkraal Camp Site: DNSM: 4 [4 - **4** - **4**].
17 February 1998: South Africa: Nguhbu Picnic: DNSM: 1 [1] - Wondermine: DNSM: 1 [1 - **2** - **2**].
20 February 1998: South Africa: Doornkraal Camp Site: DNSM: 1 [1 - **1** - **1**].
16 September 2001: South Africa: Waterberg Game Farm, at small man-made ponds within camp: TM: 1 [1] - Waterberg, Waterberg Game Farm, Dassie Cave: TM: 1 [1 - **2** - **2**].
17 September 2001: South Africa: Waterberg Game Farm, at small man-made ponds within camp: TM: 3 [3 - **3** - **3**].
18 September 2001: South Africa: Waterberg, Waterberg Game Farm, Dassie Cave: TM: 2 [2 - **2** - **2**].
5 February 2005: South Africa: Cederberg, Pakhuis Pass, Kliphuis camp site: TM: 7 [7 - **7** - **7**].
8 February 2005: South Africa: Khamkirri Private Game Reserve, site 1: TM: 6 [6 - **6** - **6**].
9 February 2005: South Africa: Khamkirri Private Game Reserve, site 2: TM: 1 [1 - **1** - **1**].
10 February 2005: South Africa: Khamkirri Private Game Reserve, site 2: TM: 1 [1 - **1** - **1**].
31 December 2010: Zambia: Lufupa Camp: NMZL: 1 [1 - **1** - **1**].

Total Specimens for Seamark, Ernest Charles James: 40

Seamark, Ernest Charles James; Kearney, Teresa Catherine

Collection Date Unknown: Botswana: Gomoti River, Highbanks: TM: 1 [1 - **1**].
South Africa: Farm Northern Kakamas, behind cottages at Khamkirri: TM: 4 [4 - **4** - **5**].
15 August 1994: South Africa: Doornkraal Camp Site: DNSM: 1 [1 - **1** - **1**].
16 June 1995: South Africa: Happy Thoughts Gold Mine: DNSM: 3 [3] - Oribi Gorge Nature Reserve: DNSM: 2 [2 - **5** - **5**].
18 June 1995: South Africa: Sezela: DNSM: 7 [7] - Umtamvuna Gorge Nature Reserve: DNSM: 1 [1 - **8** - **8**].
17 January 1996: South Africa: Sanbonani: DNSM: 1 [1 - **1** - **1**].
19 January 1996: South Africa: Fairview mine: DNSM: 1 [1 - **1** - **1**].
2 March 1996: South Africa: Umtamvuna Gorge Nature Reserve: DNSM: 2 [2 - **2** - **2**].
13 March 1996: South Africa: Dlinza Forest: DNSM: 1 [1] - Eshowe: DNSM: 1 [1] - Mooiplaas, SAPPI: DNSM: 15 [15 - **17** - **17**].
14 March 1996: South Africa: Dlinza Forest: DNSM: 2 [2 - **2** - **2**].
22 March 1996: South Africa: Umtamvuna Gorge Nature Reserve: DNSM: 1 [1 - **1** - **1**].
23 March 1996: South Africa: Umtamvuna Gorge Nature Reserve: DNSM: 1 [1 - **1** - **1**].
15 May 1996: South Africa: Hella-Hella Game Valley Estates: DNSM: 1 [1 - **1** - **1**].
20 May 1996: South Africa: Stainbank Nature Reserve: DNSM: 3 [3 - **3** - **3**].
14 June 1996: South Africa: Umlalazi Nature Reserve: DNSM: 1 [1 - **1** - **1**].
16 June 1996: South Africa: Umlalazi Nature Reserve: DNSM: 2 [2 - **2** - **2**].
13 June 1998: South Africa: Game Valley Estates: DNSM: 2 [2 - **2** - **2**].
14 June 1998: South Africa: Hella Hella Game Valley Estates: DNSM: 2 [2 - **2** - **2**].
18 June 1998: South Africa: Hella-Hella Game Valley Estates: DNSM: 1 [1 - **1** - **1**].
3 February 2004: South Africa: Waterberg Game Farm: TM: 3 [3] - Waterberg Game Farm, at small man-made ponds within camp: TM: 1 [1 - **4** - **4**].
5 February 2004: South Africa: Waterberg Game Farm: TM: 1 [1 - **1** - **1**].
19 September 2008: Namibia: Evergreen Campsite: TM: 3 [3 - **3** - **3**].
9 April 2009: Botswana: Gomoti River, Film Camp: TM: 1 [1 - **1** - **1**].
11 April 2009: Botswana: Gomoti River, Highbanks: TM: 1 [1 - **1** - **1**].
1 December 2011: South Africa: Gatkop cave: TM: 15 [15 - **15** - **15**].
16 December 2011: South Africa: Gatkop cave: TM: 2 [2 - **2** - **2**].
18 December 2011: South Africa: Gatkop cave: TM: 8 [8 - **8** - **8**].

Total Specimens for Seamark, Ernest Charles James; Kearney, Teresa Catherine: 91

Seamark, Ernest Charles James; Monadjem, Ara

2 February 2006: Swaziland: Mlawula Nature Reserve, site 1: TM: 2 [2 - **2** - **2**].
4 February 2006: Swaziland: Mlawula Nature Reserve, site 1: TM: 1 [1 - **1** - **1**].

Total Specimens for Seamark, Ernest Charles James; Monadjem, Ara: 3

Seed, F.G.

18 February 1964: Kenya: Nyama Yango: WNMU: 1 [1 - **1** - **1**].
2 March 1964: Kenya: Nyama Yango: WNMU: 1 [1 - **1** - **1**].
28 April 1964: Kenya: El Molo Island: ROM: 1 [1 - **1** - **1**].
4 January 1965: Kenya: El Molo Island: WNMU: 1 [1 - **1** - **1**].
8 January 1965: Kenya: El Molo Island: ROM: 2 [2 - **2** - **2**].
24 February 1965: Kenya: Kilanguni Lodge: WNMU: 1 [1 - **1** - **1**].

Total Specimens for Seed, F.G.: 7

Seed, R.H.; Williams, A.

12 May 1973: Kenya: Maungu: ROM: 2 [2 - **2** - **2**].

Total Specimens for Seed, R.H.; Williams, A.: 2

Seed, Rhutton

15 March 1973: Kenya: Maungu Hill: ROM: 2 [2 - **2** - **2**].
5 April 1973: Kenya: Kanawa: ROM: 1 [1 - **1** - **1**].
15 April 1973: Kenya: Kanawa: ROM: 1 [1 - **1** - **1**].

Total Specimens for Seed, Rhutton: 4

Seed, Robin D.

14 November 1963: Kenya: Donyo Sabuk: WNMU: 1 [1 - **1** - **1**].
20 November 1963: Kenya: Mathaiga: WNMU: 1 [1 - **1** - **1**].
24 November 1963: Kenya: Ol Donyo Sapuk, mount: WNMU: 1 [1 - **1** - **1**].
23 December 1963: Kenya: Cherangani Hills: ROM: 1 [1 - **1** - **1**].
20 April 1964: Kenya: Archer's Post: CM: 1 [1 - **1** - **1**].
20 December 1964: Kenya: Bat island: WNMU: 1 [1 - **1** - **1**].
27 December 1964: Kenya: Central island: SMF: 2 [2 - **2** - **2**].
28 December 1965: Kenya: Central island: WNMU: 1 [1 - **1** - **1**].

Total Specimens for Seed, Robin D.: 9

Seete, J.

28 December 1959: South Africa: Harrismith: TM: 1 [1 - **1** - **1**].

Total Specimens for Seete, J.: 1

Segers; Benoit Mission

25 July 1959: Congo (Democratic Republic of the): Kasongo: RMCA: 1 [1 - **1** - **1**].
23 August 1959: Congo (Democratic Republic of the): Kasongo: RMCA: 2 [2] - Mwanakusu cave: RMCA: 1 [1 - **3** - **3**].
28 August 1959: Congo (Democratic Republic of the): Mwanakusu cave: RMCA: 2 [2 - **2** - **2**].
17 September 1959: Congo (Democratic Republic of the): Mwanakusu: RMCA: 4 [4 - **4** - **4**].
22 September 1959: Congo (Democratic Republic of the): Kasongo Samba: RMCA: 1 [1 - **1** - **1**].
23 October 1959: Congo (Democratic Republic of the): Kasongo: RMCA: 1 [1 - **1** - **1**].
13 November 1959: Congo (Democratic Republic of the): Kasongo: RMCA: 5 [5 - **5** - **5**].

Total Specimens for Segers; Benoit Mission: 17

Seibt; Wickler

1 January 1974: Kenya: Kikambala: SMF: 2 [2 - **2** - **2**].

Total Specimens for Seibt; Wickler: 2

Seimund, E.

Collection Date Unknown: Equatorial Guinea: Bubi Town: BMNH: 1 [1 - **1** - **1**].

2 January 1904: Equatorial Guinea: Fish Town: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Seimund, E.: 2

Selchow, Donald H.

Collection Date Unknown: Zambia: Northwestern Zambia: YPM: 1 [1 - **1** - **1**].
4 March 1930: Zambia: Lusiwashi valley: YPM: 1 [1 - **1** - **1**].

Total Specimens for Selchow, Donald H.: 2

SENG

8 July 1988: Zimbabwe: Angwa bridge, 7 km SW: MNHN: 1 [1 - **1** - **1**].

Total Specimens for SENG: 1

Senna, Angelo

1 January 1885: Egypt: El Maabdeh cave: USNM: 1 [1 - **1** - **1**].

Total Specimens for Senna, Angelo: 1

service de l'hygiene publique

6 February 1956: Congo (Democratic Republic of the): Keyberg: RMCA: 2 [2 - **2** - **2**].
14 February 1956: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for service de l'hygiene publique: 3

service hygiene publique albertville

Collection Date Unknown: Congo (Democratic Republic of the): Albertville: RMCA: 2 [2 - **2** - **2**].

Total Specimens for service hygiene publique albertville: 2

Setzer, Henry W.

Collection Date Unknown: Ghana: Legon: USNM: 15 [15] - University of Ghana: USNM: 1 [1 - **16**].
Zimbabwe: Chirinda Forest: USNM: 1 [1] - Salisbury: USNM: 1 [1 - **2** - **18**].
31 March 1961: Chad: Ounianga Kébir: USNM: 4 [4 - **4** - **4**].
28 June 1964: Mozambique: Muchena: USNM: 1 [1 - **1** - **1**].
13 July 1964: Mozambique: Boane, 10 km N: USNM: 2 [2 - **2** - **2**].
20 July 1964: Mozambique: Tete, 2 mi SE: USNM: 2 [2 - **2** - **2**].
21 July 1964: Mozambique: Tete, 2 mi SE: USNM: 19 [19 - **19** - **19**].
22 July 1964: Mozambique: Tete, 2 mi SE: USNM: 14 [14 - **14** - **14**].
23 July 1964: Mozambique: Tete, 2 mi SE: USNM: 14 [14 - **14** - **14**].
27 July 1964: Mozambique: Muchena: USNM: 1 [1 - **1** - **1**].
28 July 1964: Mozambique: Muchena: USNM: 10 [10 - **10** - **10**].
29 July 1964: Mozambique: Muchena: USNM: 35 [35 - **35** - **35**].
5 August 1964: Mozambique: Furancungo, 30 mi NNW: USNM: 1 [1 - **1** - **1**].
9 August 1964: Mozambique: Vila Gamito: USNM: 7 [7] - Vila Gamito, 10 km N: USNM: 30 [30 - **37** - **37**].
24 November 1965: Botswana: Tshana: USNM: 8 [8 - **8** - **8**].
25 November 1965: Botswana: Lethlaking, 17 km SE: USNM: 2 [2] - Tshana: USNM: 2 [2 - **4** - **4**].
10 December 1965: Nigeria: Panyam , 2 mi [= 3.2 km] N: USNM: 1 [1 - **1** - **1**].
26 September 1966: South Africa: Nelspruit, 4 mi E, 2 mi S: USNM: 11 [11 - **11** - **11**].
10 October 1966: Nigeria: Ibadan University College: USNM: 3 [3 - **3** - **3**].
13 October 1966: Nigeria: Ibadan: USNM: 2 [2 - **2** - **2**].
14 October 1966: Nigeria: Ibadan: USNM: 4 [4 - **4** - **4**].
15 October 1966: Nigeria: Ibadan: USNM: 3 [3 - **3** - **3**].
16 October 1966: Nigeria: Ibadan: USNM: 3 [3 - **3** - **3**].
21 October 1966: Nigeria: Igbo-ora: USNM: 5 [5 - **5** - **5**].
22 October 1966: Nigeria: Igbo-ora: USNM: 4 [4 - **4** - **4**].
23 October 1966: Nigeria: Igbo-ora: USNM: 12 [12 - **12** - **12**].
24 October 1966: Nigeria: Igbo-ora: USNM: 6 [6 - **6** - **6**].
25 October 1966: Nigeria: Idere: USNM: 26 [26] - Igbo-ora: USNM: 5 [5 - **31** - **31**].
26 October 1966: Nigeria: Idere: USNM: 8 [8 - **8** - **8**].
20 September 1967: Zimbabwe: Leopard Rock Hotel: USNM: 3 [3 - **3** - **3**].
24 September 1967: Zimbabwe: Chirinda Forest: NHMZ: 3, USNM: 21 [24 - **24** - **24**].
29 September 1967: Zimbabwe: Chirinda Forest: USNM: 7 [7 - **7** - **7**].
30 September 1967: Zimbabwe: Chirinda Forest: USNM: 9 [9 - **9** - **9**].
1 October 1967: Zimbabwe: Chirinda Forest: USNM: 1 [1 - **1** - **1**].
3 October 1967: Zimbabwe: Selinda, mount: USNM: 1 [1 - **1** - **1**].
5 October 1967: Zimbabwe: Chirinda Forest: USNM: 23 [23 - **23** - **23**].
26 October 1967: Ghana: Achimota: USNM: 2 [2 - **2** - **2**].

29 October 1967: Ghana: Kade, 6 mi [=9.7 km] NW: USNM: 4 [4 - **4** - **4**].
30 October 1967: Ghana: Kade, 6 mi [=9.7 km] NW: USNM: 6 [6 - **6** - **6**].
31 October 1967: Ghana: Kade, 6 mi [=9.7 km] NW: USNM: 8 [8 - **8** - **8**].
1 November 1967: Ghana: Kade, 6 mi [=9.7 km] NW: USNM: 12 [12 - **12** - **12**].
2 November 1967: Ghana: Kade, 6 mi [=9.7 km] NW: USNM: 14 [14 - **14** - **14**].
5 November 1967: Ghana: Berekuso, 1 mi N: USNM: 10 [10 - **10** - **10**].
9 November 1967: Ghana: University of Ghana: USNM: 2 [2 - **2** - **2**].
11 November 1967: Ghana: Aiyikuma: USNM: 34 [34 - **34** - **34**].
14 November 1967: Ghana: Achimota: USNM: 3 [3] - Doyum: USNM: 36 [36 - **39** - **39**].
16 November 1967: Ghana: Doyum: USNM: 26 [26 - **26** - **26**].
23 November 1967: Ghana: Teshi: USNM: 30 [30 - **30** - **30**].
25 November 1967: Ghana: Teshi: USNM: 54 [54 - **54** - **54**].
26 November 1967: Ghana: Teshi: USNM: 20 [20 - **20** - **20**].
28 November 1967: Ghana: Legon: USNM: 9 [9] - Teshi: USNM: 1 [1 - **10** - **10**].
30 November 1967: Ghana: Akosombo: USNM: 10 [10] - University of Ghana: USNM: 4 [4 - **14** - **14**].
1 December 1967: Ghana: University of Ghana: USNM: 3 [3 - **3** - **3**].
2 December 1967: Ghana: Akwamufe: USNM: 4 [4] - Akwamufe, 1 mi N: USNM: 4 [4] - Asikuma, 1 mi N: USNM: 4 [4] - Tsibu, 2 mi SSW: USNM: 2 [2] - University of Ghana: USNM: 5 [5 - **19** - **19**].
3 December 1967: Ghana: University of Ghana: USNM: 5 [5 - **5** - **5**].
5 December 1967: Ghana: Legon: USNM: 2 [2] - University of Ghana: USNM: 18 [18 - **20** - **20**].
6 December 1967: Ghana: Legon: USNM: 4 [4] - University of Ghana: USNM: 25 [25 - **29** - **29**].
7 December 1967: Ghana: Legon: USNM: 5 [5] - University of Ghana: USNM: 22 [22 - **27** - **27**].
8 December 1967: Ghana: Legon: USNM: 5 [5] - University of Ghana: USNM: 15 [15 - **20** - **20**].
9 December 1967: Ghana: Legon: USNM: 3 [3] - University of Ghana: USNM: 8 [8 - **11** - **11**].
10 December 1967: Ghana: Adawaso: USNM: 14 [14] - Adawaso, 1 mi E: USNM: 2 [2] - Adawaso, 1.9 mi NW: USNM: 1 [1] - Nankasi: USNM: 1 [1] - Tutu: USNM: 1 [1 - **19** - **19**].
31 December 1967: Ghana: University of Ghana: USNM: 1 [1 - **1** - **1**].
10 January 1968: Ghana: Prestea, 32 mi W: USNM: 1 [1 - **1** - **1**].
9 October 1968: Ghana: Oda: USNM: 1 [1 - **1** - **1**].
10 October 1968: Ghana: Oda: USNM: 2 [2 - **2** - **2**].
11 October 1968: Ghana: Oda: USNM: 2 [2 - **2** - **2**].
12 October 1968: Ghana: Oda: USNM: 2 [2 - **2** - **2**].
13 October 1968: Ghana: Oda: USNM: 7 [7 - **7** - **7**].
14 October 1968: Ghana: Oda: USNM: 2 [2 - **2** - **2**].
8 November 1968: Burkina Faso: Nobéré, 9 mi S: USNM: 2 [2 - **2** - **2**].
12 October 1969: Morocco: Sidi Sibara, 3 km SW: USNM: 4 [4 - **4** - **4**].
5 November 1969: Morocco: Assa: USNM: 11 [11 - **11** - **11**].

Total Specimens for Setzer, Henry W.: 804

Seydel

Collection Date Unknown: Congo (Democratic Republic of the): Elisabethville: RMCA: 1 [1 - **1** - **1**].
19 May 1919: Congo (Democratic Republic of the): Kalutenge: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Seydel: 2

Seymour, Charles

12 February 1964: Egypt: Nag Misaw: YPM: 2 [2 - **2** - **2**].
16 February 1964: Egypt: Nag Misaw: YPM: 3 [3 - **3** - **3**].
17 February 1964: Egypt: Nag Misaw: YPM: 2 [2 - **2** - **2**].
18 February 1964: Egypt: Nag Misaw: YPM: 1 [1 - **1** - **1**].
4 April 1964: Egypt: Abu Sir cave: YPM: 1 [1 - **1** - **1**].

Total Specimens for Seymour, Charles: 9

Seymour, Charles; Mathiasson, S.

4 April 1964: Egypt: Abu Sir cave: YPM: 12 [12 - **12** - **12**].

Total Specimens for Seymour, Charles; Mathiasson, S.: 12

Shakmat, A.J.

9 July 1973: Libya: Benghazi: HZM: 1 [1 - **1** - **1**].

Total Specimens for Shakmat, A.J.: 1

Sharpe

Collection Date Unknown: Liberia: Fanti: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Sharpe: 1

Shaw, A.

13 March 1915: South Sudan: Nile, upper: BMNH: 1 [1 - **1** - **1**].
21 April 1921: South Sudan: Mongalla: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Shaw, A.: 3

Shaw, J.H.

5 September 1962: Madagascar: Andreba [railroad station]: USNM: 16 [16 - **16** - **16**].
25 October 1962: Madagascar: Boanamary, 3 km NE: USNM: 1 [1 - **1** - **1**].
27 October 1962: Madagascar: Grotte d'Anjohibe: USNM: 7 [7 - **7** - **7**].
9 November 1962: Madagascar: Ambalantanakomby, 25 km SW: USNM: 8 [8 - **8** - **8**].
11 November 1962: Madagascar: Ambalantanakomby, 25 km SW: USNM: 3 [3 - **3** - **3**].
27 October 1963: Madagascar: Androhibe caves: USNM: 3 [3 - **3** - **3**].

Total Specimens for Shaw, J.H.: 38

Shaw, J.H.; Lange, K.L.

4 September 1962: Madagascar: Andreba, Railroad Station: USNM: 1 [1 - **1** - **1**].

Total Specimens for Shaw, J.H.; Lange, K.L.: 1

Sheppe, Walter A.

Collection Date Unknown: Zambia: CE Ltd., cave: CAS: 1 [1] - Chipongwe Cave: UZMZ: 10 [10] - Leopard's Hill Cave: UZMZ: 7 [7] - Naleza: UZMZ: 3 [3 - **21** - **21**].
9 January 1967: Zambia: Chipongwe Cave: CAS: 1 [1 - **1** - **1**].
6 September 1967: Zambia: Blue Lagoon ranch: CAS: 1 [1 - **1** - **1**].
9 September 1967: Zambia: Blue Lagoon ranch: CAS: 1, HZM: 1 [2 - **2** - **2**].
7 October 1967: Zambia: Blue Lagoon ranch: CAS: 1 [1 - **1** - **1**].
21 October 1967: Zambia: Kapongo cave: CAS: 1 [1 - **1** - **1**].
28 October 1967: Zambia: Lochinvar ranch: CAS: 1 [1 - **1** - **1**].
13 December 1967: Zambia: Leopard's Hill Cave: CAS: 1 [1] - Lusaka, 18 mi [= 29 km] S: CAS: 1 [1 - **2** - **2**].
30 December 1967: Zambia: Leopard's Hill Cave: CAS: 1 [1 - **1** - **1**].
10 January 1968: Zambia: Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: CAS: 1 [1 - **1** - **1**].

Total Specimens for Sheppe, Walter A.: 32

Shillcock, N.H.

1 July 1987: Morocco: Rabat: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Shillcock, N.H.: 2

Shone, A.P.

14 July 1962: Zimbabwe: Salisbury: HZM: 1 [1 - **1** - **1**].
17 July 1962: Zimbabwe: Salisbury: HZM: 1 [1 - **1** - **1**].

Total Specimens for Shone, A.P.: 2

Shortridge, Guy Chester
(1880 - 1949)

Collection Date Unknown: "Africa": Unknown locality: BMNH: 2 [2 - **2**].
Malawi: Nkhota-Kota: KM: 1 [1 - **1**].
Namibia: Unknown locality: SAMC: 1 [1] - Berseba: BMNH: 2 [2] - Cunene Falls: BMNH: 2 [2] - Etosha Pan: BMNH: 4 [4] - Great Brukoros Mountains: BMNH: 1 [1] - Karibib: BMNH: 5 [5] - Klein Namutoni [=Sandup]: BMNH: 1 [1] - Mbambi: BMNH: 1 [1] - Oas: BMNH: 2 [2] - Ondongera: BMNH: 1 [1] - Ondongwa: BMNH: 7 [7] - Otjumbumbi: BMNH: 2, KM: 1 [3] - Ukualuisi: BMNH: 6 [6] - Ukualukasi: BMNH: 15 [15] - Windhoek: BMNH: 1 [1] - Windhuk: BMNH: 1 [1 - **53**].
South Africa: Louisvale: BMNH: 1, KM: 1 [2] - Ngqeleni district: TM: 1 [1] - Port Nolloth, 15 mi inland: KM: 1 [1 - **4**].
Zambia: Balovale: KM: 1 [1] - Mongu: KM: 1 [1 - **2** - **62**].
22 August 1902: South Africa: Port St. Johns: SAMC: 1 [1 - **1** - **1**].
10 August 1903: South Africa: Hanover: SAMC: 1 [1 - **1** - **1**].
14 February 1919: Zambia: Ndola: BMNH: 1 [1 - **1** - **1**].
22 April 1919: Zambia: Ndola: BMNH: 1 [1 - **1** - **1**].
29 April 1919: Zambia: Ndola: BMNH: 1 [1 - **1** - **1**].
18 June 1919: Zambia: Ndola: TM: 1 [1 - **1** - **1**].
26 March 1922: South Africa: King Williamstown: KM: 1 [1 - **1** - **1**].
13 December 1922: South Africa: Orange River, near south bank: MCZ: 1 [1 - **1** - **1**].
29 October 1923: Namibia: Karibib: KM: 1 [1 - **1** - **1**].
9 November 1923: Namibia: Karibib: KM: 1 [1 - **1** - **1**].
15 November 1923: Namibia: Windhoek: KM: 1 [1 - **1** - **1**].

6 July 1924: South Africa: Louisvale: BMNH: 2 [2 - **2** - **2**].
27 July 1924: Namibia: Ukualuisi: KM: 2 [2 - **2** - **2**].
24 September 1924: Namibia: Otjumbumbi: BMNH: 1 [1] - Ukualukasi: BMNH: 1 [1 - **2** - **2**].
26 September 1924: Namibia: Cunene River: BMNH: 1 [1 - **1** - **1**].
6 October 1924: Namibia: Ukualukasi: BMNH: 1 [1 - **1** - **1**].
7 October 1924: Namibia: Ukualukasi: BMNH: 2 [2 - **2** - **2**].
8 October 1924: Namibia: Ukualukasi: BMNH: 2, KM: 4 [6 - **6** - **6**].
9 October 1924: Namibia: Ukualukasi: KM: 1 [1 - **1** - **1**].
12 October 1924: Namibia: Ukualukasi: BMNH: 1, KM: 3 [4 - **4** - **4**].
14 October 1924: Namibia: Ukualuisi: KM: 1 [1 - **1** - **1**].
17 October 1924: Namibia: Ondangua: BMNH: 1 [1 - **1** - **1**].
24 October 1924: Namibia: Ondangua: BMNH: 1 [1 - **1** - **1**].
26 October 1924: Namibia: Ondangua: BMNH: 1, KM: 1 [2 - **2** - **2**].
17 October 1925: Namibia: Karolinenhof: BMNH: 1 [1 - **1** - **1**].
6 November 1925: Namibia: Sandfontein: KM: 1 [1 - **1** - **1**].
16 December 1925: Namibia: Karolinenhof: KM: 2 [2 - **2** - **2**].
17 December 1925: Namibia: Karolinenhof: BMNH: 1 [1 - **1** - **1**].
22 March 1927: Namibia: Qoabendus: FMNH: 1 [1 - **1** - **1**].
30 April 1927: Namibia: Otjitundua: KM: 1 [1 - **1** - **1**].
1 May 1927: Namibia: Otjitundua: BMNH: 3 [3 - **3** - **3**].
2 May 1927: Namibia: Otjitundua: BMNH: 5, FMNH: 1, KM: 5 [11 - **11** - **11**].
3 May 1927: Namibia: Otjitundua: BMNH: 1, FMNH: 2, KM: 1 [4 - **4** - **4**].
6 May 1927: Namibia: Otjitundua: BMNH: 4, KM: 1, MCZ: 1 [6 - **6** - **6**].
7 May 1927: Namibia: Otjitundua: BMNH: 1, KM: 1 [2 - **2** - **2**].
8 May 1927: Namibia: Otjitundua: BMNH: 1 [1 - **1** - **1**].
12 May 1927: Namibia: Otjitundua: BMNH: 1 [1 - **1** - **1**].
15 May 1927: Namibia: Otjitundua: BMNH: 1, KM: 1, MCZ: 1 [3 - **3** - **3**].
16 May 1927: Namibia: Otjitundua: FMNH: 1, MCZ: 1 [2 - **2** - **2**].
17 May 1927: Namibia: Otjitundua: BMNH: 3 [3 - **3** - **3**].
20 May 1927: Namibia: Otjitundua: BMNH: 4, FMNH: 1, KM: 1 [6 - **6** - **6**].
30 May 1927: Namibia: Ombombo: FMNH: 1 [1 - **1** - **1**].
31 May 1927: Namibia: Ombombo: FMNH: 1 [1 - **1** - **1**].
2 June 1927: Namibia: Ombombo: BMNH: 1 [1 - **1** - **1**].
7 June 1927: Namibia: Ombombo: FMNH: 1 [1 - **1** - **1**].
12 June 1927: Namibia: Ombombo: BMNH: 1 [1 - **1** - **1**].
28 June 1927: Namibia: Kaoko Otavi: FMNH: 1 [1 - **1** - **1**].
1 July 1927: Namibia: Kaoko Otavi: FMNH: 1 [1 - **1** - **1**].
3 July 1927: Namibia: Kaoko Otavi: FMNH: 1 [1 - **1** - **1**].
9 July 1927: Namibia: Okorosave: FMNH: 1 [1 - **1** - **1**].
12 July 1927: Namibia: Okorosave: FMNH: 2 [2 - **2** - **2**].
13 July 1927: Namibia: Okorosave: FMNH: 1 [1 - **1** - **1**].
25 July 1927: Namibia: Tshimhaka: BMNH: 2 [2 - **2** - **2**].
27 July 1927: Namibia: Swartbooisdrift: KM: 2 [2] - Tshimhaka: FMNH: 1 [1 - **3** - **3**].
27 August 1927: Namibia: Swartbooisdrift: BMNH: 1, KM: 1 [2] - Tshimhaka: FMNH: 1 [1 - **3** - **3**].
3 September 1927: Namibia: Ehomba: FMNH: 1 [1 - **1** - **1**].
18 September 1927: Namibia: Great Ombathu: BMNH: 1 [1 - **1** - **1**].
27 September 1927: Namibia: Kaoko-Otavi: KM: 1 [1 - **1** - **1**].
22 March 1929: Namibia: Nuichan [=Nuitsas]: MCZ: 1 [1] - Nuitsas: BMNH: 3, KM: 2 [5 - **6** - **6**].
23 March 1929: Namibia: Nuitsas: BMNH: 2, KM: 4 [6 - **6** - **6**].
24 March 1929: Namibia: Nuitsas: BMNH: 2, KM: 1 [3 - **3** - **3**].
26 March 1929: Namibia: Nuitsas: BMNH: 2 [2 - **2** - **2**].
31 March 1929: Namibia: Nuitsas: BMNH: 1, KM: 1 [2 - **2** - **2**].
10 April 1929: Namibia: Kano valley: BMNH: 1 [1 - **1** - **1**].
26 April 1929: Namibia: Karakuwisa: BMNH: 1 [1 - **1** - **1**].
29 May 1929: Namibia: Ssanukanu: BMNH: 1 [1 - **1** - **1**].
1 June 1929: Namibia: Ssanukanu: FMNH: 1 [1 - **1** - **1**].
2 June 1929: Namibia: Ssanukanu: BMNH: 1 [1 - **1** - **1**].
3 June 1929: Namibia: Ssanukanu: BMNH: 2 [2 - **2** - **2**].
4 June 1929: Namibia: Ssanukanu: BMNH: 1 [1 - **1** - **1**].
5 June 1929: Namibia: Ssanukanu: BMNH: 1, FMNH: 1 [2 - **2** - **2**].
9 June 1929: Namibia: Ssanukanu: BMNH: 1 [1 - **1** - **1**].
10 June 1929: Namibia: Ssanukanu: BMNH: 1, FMNH: 1 [2 - **2** - **2**].
11 June 1929: Namibia: Ssanukanu: FMNH: 1 [1 - **1** - **1**].
13 June 1929: Namibia: Ssannakanu village: FMNH: 1 [1] - Ssanukanu: BMNH: 1 [1 - **2** - **2**].
1 July 1929: Namibia: Okavango-Omataka junction: BMNH: 1 [1 - **1** - **1**].
20 October 1936: South Africa: Witwater, 25 mi W: MCZ: 4 [4 - **4** - **4**].
16 December 1936: South Africa: Klein Namaqualand, Garies: KM: 1 [1 - **1** - **1**].
27 December 1936: South Africa: Good house Bay: MCZ: 1 [1 - **1** - **1**].
29 December 1936: South Africa: Farm Goodhouse 23: KM: 1 [1] - Goodhouse: KM: 2 [2 - **3** - **3**].
30 December 1936: South Africa: Farm Goodhouse 23: KM: 1 [1 - **1** - **1**].
31 December 1936: South Africa: Farm Goodhouse 23: KM: 1 [1] - Goodhouse: KM: 5 [5 - **6** - **6**].
2 January 1937: Namibia: Goodhouse: MCZ: 1 [1 - **1** - **1**].
3 January 1937: South Africa: Farm Goodhouse 23: KM: 1 [1] - Goodhouse: KM: 1 [1 - **2** - **2**].
19 January 1938: South Africa: Compagnies Drift: MCZ: 1 [1 - **1** - **1**].
20 January 1938: South Africa: Compagnies Drift: MCZ: 1 [1 - **1** - **1**].
20 January 1939: South Africa: Compagnies Drift: HZM: 1 [1 - **1** - **1**].

26 June 1946: Malawi: Mulanje: KM: 1 [1 - **1** - **1**].
10 July 1946: Malawi: Kota Kota: KM: 2 [2 - **2** - **2**].
8 August 1946: Malawi: Nkhota-Kota: KM: 1 [1 - **1** - **1**].
10 August 1946: Malawi: Kota Kota: KM: 1 [1 - **1** - **1**].
12 August 1946: Malawi: Nkhota-Kota: KM: 2 [2 - **2** - **2**].
15 August 1946: Malawi: Nkhota-Kota: KM: 2 [2 - **2** - **2**].
17 August 1946: Malawi: Kota Kota: KM: 1 [1 - **1** - **1**].
26 August 1982: South Africa: Port St. Johns: SAMC: 1 [1 - **1** - **1**].

Total Specimens for Shortridge, Guy Chester: 240

Shortridge, Guy Chester; Carter, T. Donald

28 December 1937: South Africa: Hex River Estates: KM: 1 [1 - **1** - **1**].
3 January 1938: South Africa: Hex River Estates: KM: 1 [1 - **1** - **1**].
12 October 1938: Zambia: Balovale: NMZL: 1 [1 - **1** - **1**].

Total Specimens for Shortridge, Guy Chester; Carter, T. Donald: 3

Shortridge, Guy Chester; Sladen, Percy

29 October 1923: Namibia: Karibib: BMNH: 2 [2 - **2** - **2**].
14 November 1923: Namibia: Windhoek: BMNH: 1 [1 - **1** - **1**].
27 August 1924: Namibia: Ukualuisi: BMNH: 1 [1 - **1** - **1**].
14 October 1924: Namibia: Ukualuisi: BMNH: 2 [2 - **2** - **2**].
26 October 1924: Namibia: Ondangua: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Shortridge, Guy Chester; Sladen, Percy: 7

Shortridge, Guy Chester; Williams

27 March 1925: South Africa: King Williamstown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Shortridge, Guy Chester; Williams: 1

Shortt, Terence Michael
(1 March 1911: Winnipeg - 28 December 1986: Toronto)

6 June 1968: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].

Total Specimens for Shortt, Terence Michael: 1

Shortt, Terence Michael; Williams, A.E.

4 June 1968: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].
10 June 1968: Uganda: Budongo Forest: ROM: 2 [2 - **2** - **2**].
12 June 1968: Uganda: Bunyoro: ROM: 2 [2 - **2** - **2**].
15 June 1968: Uganda: Waisoke river: ROM: 1 [1 - **1** - **1**].
18 June 1968: Uganda: Bunyoro: ROM: 2 [2 - **2** - **2**].
19 June 1968: Uganda: Sonsor river: ROM: 11 [11 - **11** - **11**].
20 June 1968: Uganda: Budongo Forest: ROM: 1 [1] - Bunyoro: ROM: 1 [1] - Sonsor river: ROM: 6 [6 - **8** - **8**].
21 June 1968: Uganda: Budongo Forest: ROM: 2 [2 - **2** - **2**].
22 June 1968: Uganda: Bunyoro: ROM: 14 [14 - **14** - **14**].
23 June 1968: Uganda: Bunyoro: ROM: 11 [11 - **11** - **11**].
24 June 1968: Uganda: Bunyoro: ROM: 20 [20 - **20** - **20**].
25 June 1968: Uganda: Bunyoro: ROM: 2 [2 - **2** - **2**].

Total Specimens for Shortt, Terence Michael; Williams, A.E.: 76

Shrimplin, J.

30 April 1975: Tunisia: Djebel Zaghouan, cave at Poste Optique: TTU: 1 [1 - **1** - **1**].

Total Specimens for Shrimplin, J.: 1

Siachoono, Stanford M.

17 April 1989: Zambia: Chirundu: WAM: 2 [2 - **2** - **2**].

Total Specimens for Siachoono, Stanford M.: 2

Sibley, Charles Gald
(7 August 1917 - 12 April 1998)

2 November 1964: Ghana: Abetifi: CUMV: 1 [1 - **1** - **1**].

Total Specimens for Sibley, Charles Gald: 1

Sibley, Fred C.

Collection Date Unknown: Nigeria: Ibadan: BMNH: 3 [3 - **3** - **3**].
16 November 1959: Nigeria: Ibadan University College: AMNH: 1 [1 - **1** - **1**].
18 November 1959: Nigeria: Ibadan University College: AMNH: 1 [1 - **1** - **1**].
20 November 1959: Nigeria: Ibadan University College: AMNH: 1 [1 - **1** - **1**].
21 November 1959: Nigeria: Ibadan University College: AMNH: 1 [1 - **1** - **1**].
4 December 1959: Nigeria: Ibadan University College: AMNH: 1 [1 - **1** - **1**].
21 May 1960: Nigeria: Pategi: AMNH: 4 [4 - **4** - **4**].
20 June 1960: Nigeria: Ibadan University College: AMNH: 1 [1 - **1** - **1**].
24 December 1960: Nigeria: Ibadan: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Sibley, Fred C.: 14

Sicard

1 January 1922: Tunisia: Gabès: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Sicard: 1

Sieber

Collection Date Unknown: Mauritius: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Sieber: 1

Siépi, Paul

Collection Date Unknown: "Africa": Unknown locality: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Siépi, Paul: 1

Siépy

1 January 1891: Egypt: Alexandria: MNHN: 3 [3 - **3** - **3**].

Total Specimens for Siépy: 3

Sikombe, S.W.

15 November 1990: Tanzania: Songwe Valley, Tegemo farm: SMF: 1 [1 - **1** - **1**].

Total Specimens for Sikombe, S.W.: 1

Silberstein, A.R.

25 March 1966: Namibia: Kobos: USNM: 2 [2 - **2** - **2**].
28 August 1966: South Africa: Louisvale, Orange R. 1 mi N: USNM: 1 [1 - **1** - **1**].
1 September 1966: South Africa: Kuruman, 3 mi [= 4.8 km] E: USNM: 8 [8] - Kuruman, the Eye: USNM: 19 [19 - **27** - **27**].
16 November 1966: South Africa: Barberton, 2 mi [= 3.2 km] SW: USNM: 20 [20 - **20** - **20**].
30 November 1966: South Africa: Malelane, 7 mi [= 11 km] SW: USNM: 6 [6 - **6** - **6**].
13 December 1966: South Africa: Witrivier, 11 mi W: USNM: 1 [1 - **1** - **1**].
17 December 1966: South Africa: Mariepskop: USNM: 1 [1 - **1** - **1**].
18 December 1966: South Africa: Mariepskop: USNM: 11 [11 - **11** - **11**].
7 January 1967: South Africa: Tshipise, 1 mi NE: USNM: 2 [2 - **2** - **2**].
9 January 1967: South Africa: Tshipise, 1 mi NE: USNM: 1 [1 - **1** - **1**].
12 January 1967: South Africa: Tshipise, 1 mi NE: USNM: 2 [2 - **2** - **2**].
15 January 1967: South Africa: Tshipise: USNM: 9 [9] - Tshipise, 1 mi NE: USNM: 3 [3 - **12** - **12**].
28 January 1967: South Africa: Houtbosdorp, 2 mi E: USNM: 6 [6 - **6** - **6**].

Total Specimens for Silberstein, A.R.: 92

Sillu, David M.

Collection Date Unknown: Kenya: Unknown locality: RMCA: 2 [2] - Shimba Hills Nature Reserve: MWSU: 1 [1 - **3** - **3**].
25 September 1965: Kenya: Shimba Hills: ROM: 1 [1 - **1** - **1**].
26 September 1965: Kenya: Shimba Hills: ROM: 1 [1 - **1** - **1**].

12 January 1966: Kenya: Kiu: ROM: 2 [2 - **2** - **2**].
27 January 1966: Kenya: Kiu: ROM: 3 [3 - **3** - **3**].
2 February 1966: Kenya: Muumandu: RMCA: 2 [2 - **2** - **2**].
2 March 1966: Kenya: Muumandu: UMMZ: 1 [1 - **1** - **1**].
17 November 1966: Kenya: Shimba Hills: ROM: 1 [1 - **1** - **1**].
18 November 1966: Kenya: Shimba Hills: RMCA: 1 [1 - **1** - **1**].
19 November 1966: Kenya: Shimba Hills: RMCA: 1, ROM: 1 [2 - **2** - **2**].
20 November 1966: Kenya: Shimba Hills: ROM: 1 [1 - **1** - **1**].
21 November 1966: Kenya: Shimba Hills: ROM: 2 [2 - **2** - **2**].
22 November 1966: Kenya: Shimba Hills: ROM: 2 [2 - **2** - **2**].
23 November 1966: Kenya: Shimba Hills: ROM: 2 [2 - **2** - **2**].
24 November 1966: Kenya: Shimba Hills: RMCA: 1 [1 - **1** - **1**].
25 November 1966: Kenya: Shimba Hills: RMCA: 2, ROM: 1 [3] - Shimba Hills Nature Reserve: ROM: 1 [1 - **4** - **4**].
30 November 1966: Kenya: Shimba Hills: RMCA: 1 [1 - **1** - **1**].
3 December 1966: Kenya: Shimba Hills: RMCA: 1 [1 - **1** - **1**].
7 December 1966: Kenya: Shimba Hills: RMCA: 1, ROM: 1 [2 - **2** - **2**].
9 December 1966: Kenya: Shimba Hills: RMCA: 1, ROM: 1 [2 - **2** - **2**].
10 December 1966: Kenya: Shimba Hills: ROM: 1 [1 - **1** - **1**].
11 December 1966: Kenya: Shimba Hills: RMCA: 1 [1 - **1** - **1**].
12 December 1966: Kenya: Shimba Hills: ROM: 2 [2 - **2** - **2**].
16 December 1966: Kenya: Shimba Hills: RMCA: 1 [1 - **1** - **1**].
17 December 1966: Kenya: Shimba Hills: RMCA: 1 [1 - **1** - **1**].
19 December 1966: Kenya: Shimba Hills: RMCA: 2 [2 - **2** - **2**].
22 January 1967: Kenya: Shimba Hills: ROM: 1 [1 - **1** - **1**].
28 January 1967: Kenya: Nairobi area: ROM: 1 [1 - **1** - **1**].
1 February 1967: Kenya: Nairobi area: ROM: 1 [1 - **1** - **1**].
12 February 1967: Kenya: Muumandu: ROM: 9 [9 - **9** - **9**].
12 April 1967: Kenya: Kinu: RMCA: 1 [1 - **1** - **1**].
5 May 1967: Kenya: Yatter: RMCA: 1 [1 - **1** - **1**].
22 August 1967: Kenya: Muumandu: RMCA: 2 [2 - **2** - **2**].
1 January 1968: Kenya: Kiriri: RMCA: 1 [1 - **1** - **1**].
11 July 1968: Kenya: Kinu: RMCA: 4 [4 - **4** - **4**].
13 July 1968: Kenya: Kalama: RMCA: 4 [4 - **4** - **4**].
14 July 1968: Kenya: Kalama: RMCA: 1 [1] - Machakos district: RMCA: 2 [2 - **3** - **3**].
7 August 1968: Kenya: Kalama: RMCA: 1 [1 - **1** - **1**].
22 July 1970: Kenya: Kinu: RMCA: 6 [6 - **6** - **6**].
27 September 1970: Kenya: Shimoni cave: RMCA: 5 [5 - **5** - **5**].
19 October 1970: Kenya: Ithundu cave: RMCA: 6 [6 - **6** - **6**].

Total Specimens for Sillu, David M.: 89

Simoes, A.P.

4 October 1977: Namibia: Okatumba Sud: SMW: 4 [4 - **4** - **4**].
1 July 1978: Namibia: Farm Etaneno 44: SMW: 2 [2] - Farm Etaneo 44: SMW: 1 [1 - **3** - **3**].
21 March 1979: Namibia: Sesfontein: SMW: 4 [4 - **4** - **4**].
22 March 1979: Namibia: Sesfontein: SMW: 1 [1 - **1** - **1**].
23 March 1979: Namibia: Sesfontein: SMW: 4 [4 - **4** - **4**].
23 May 1979: Namibia: Sesfontein: SMW: 1 [1 - **1** - **1**].

Total Specimens for Simoes, A.P.: 17

Simonkovitch, E.

Collection Date Unknown: Senegal: Saboya: MNHN: 1 [1 - **1** - **1**].
26 August 1971: Senegal: Saboya: MNHN: 8 [8 - **8** - **8**].
1 September 1971: Senegal: Saboya: MNHN: 3 [3 - **3** - **3**].

Total Specimens for Simonkovitch, E.: 12

Simons, J.W.

22 March 1964: Kenya: Mount Suswa: FMNH: 6 [6 - **6** - **6**].

Total Specimens for Simons, J.W.: 6

Simpson, R.

Collection Date Unknown: Ghana: Achimota: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Simpson, R.: 1

Singerhoff, E.

30 December 1996: Tanzania: Northern Matema: SMF: 2 [2 - **2** - **2**].

4 January 1997: Tanzania: Songwe Bat Cave: SMF: 1 [1 - **1** - **1**].

Total Specimens for Singerhoff, E.: 3

Sinsin, B.

6 April 1997: Benin: Lokossa, 10 mi [=16 km] S: ZMA: 5 [5] - Lokossa, S of: ZMA: 1 [1 - **6** - **6**].

Total Specimens for Sinsin, B.: 6

Sintenis

Collection Date Unknown: Ghana: Gold Coast [=Goldküste]: ZMB: 4 [4 - **4** - **4**].

Total Specimens for Sintenis: 4

Siya, S.

Collection Date Unknown: Egypt: Bulaq: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Siya, S.: 1

Sjöstedt, Bror Yngve
(3 August 1866 - 1948)

Collection Date Unknown: Cameroon: Bipindi, Kribi, Bez: ZMB: 1 [1] - Bonge: ZMB: 3 [3] - Huki: ZMB: 1 [1] - Ndian [river]: ZMB: 3 [3 - **8**].
Tanzania: Tanga: ZMB: 1 [1 - **1** - **9**].
1 June 1905: Tanzania: Mkulumsi: MNHN: 1 [1 - **1** - **1**].
1 November 1905: Tanzania: Kibonato: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Sjöstedt, Bror Yngve: 11

Skea, K.

26 September 1995: South Africa: Transvaal Museum workshop: TM: 1 [1 - **1** - **1**].

Total Specimens for Skea, K.: 1

Skelbrin, A.; Wolff, U.

3 December 1960: South Africa: Hatfield, Hatfield Primary School: TM: 1 [1 - **1** - **1**].

Total Specimens for Skelbrin, A.; Wolff, U.: 1

Skirron, M.

29 January 1964: Nigeria: Idere: HZM: 3 [3 - **3** - **3**].

Total Specimens for Skirron, M.: 3

Šklíba, Jan

8 July 2008: Malawi: Ntchisi Forest Reserve: NMP: 1 [1 - **1** - **1**].
9 July 2008: Malawi: Ntchisi Forest Reserve: NMP: 2 [2 - **2** - **2**].

Total Specimens for Šklíba, Jan: 3

Slater, Henry H.
(1851 - 26 November 1934: Bishop's Lydeard)

Collection Date Unknown: Mauritius: Unknown locality: BMNH: 1 [1] - Rodrigues: BMNH: 2 [2 - **3** - **3**].

Total Specimens for Slater, Henry H.: 3

Smail, A.B.

12 October 1973: Tunisia: El Ouidiane abandoned coal mine: TTU: 1 [1 - **1** - **1**].
25 April 1975: Tunisia: Djebel Zaghouan, cave at Poste Optique: TTU: 1 [1 - **1** - **1**].
30 April 1975: Tunisia: Djebel Zaghouan, 4 km W Poste Optique: TTU: 1 [1] - Djebel Zaghouan, cave at Poste Optique: TTU: 1 [1 - **2** - **2**].
8 May 1975: Tunisia: Djebel Rassas: TTU: 4 [4 - **4** - **4**].
11 May 1975: Tunisia: Ain Draham, 5 km NE: TTU: 1 [1] - Ras Rajel cemetery, mine at W edge: TTU: 7 [7 - **8** - **8**].
27 May 1975: Tunisia: on road to Aioun Ameur, cave with mine: TTU: 1 [1] - Redeyef, 4 km S: TTU: 2 [2 - **3** - **3**].

28 May 1975: Tunisia: Hadjeb el Aioun pool, near: TTU: 2 [2 - **2** - **2**].

Total Specimens for Smail, A.B.: 21

Small, J.; Small, G.

13 March 1987: Somalia: Bender Geoid: USNM: 7 [7 - **7** - **7**].

Total Specimens for Small, J.; Small, G.: 7

Smart, C.

Collection Date Unknown: South Africa: KwaZulu-Natal province: HNHM: 1 [1 - **1** - **1**].
8 February 1999: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Smart, C.: 2

Smart, R.

27 June 1963: Uganda: Gulu: ROM: 3 [3 - **3** - **3**].

Total Specimens for Smart, R.: 3

Smeenk, Chris
(6 July 1942: Oost- en West-Souburg - 23 March 2017)

Collection Date Unknown: Kenya: Unknown locality: RMNH: 16 [16 - **16** - **16**].
3 October 1979: Kenya: Watamu: RMNH: 1 [1 - **1** - **1**].
6 October 1979: Kenya: Sokoke Forest: RMNH: 1 [1 - **1** - **1**].
11 October 1979: Kenya: Sokoke Forest: RMNH: 1 [1 - **1** - **1**].
14 October 1979: Kenya: Sokoke Forest: RMNH: 1 [1 - **1** - **1**].
17 October 1979: Kenya: Diani Forest: RMNH: 2 [2 - **2** - **2**].
19 October 1979: Kenya: Diani Forest: RMNH: 1 [1 - **1** - **1**].
24 October 1979: Kenya: Shimba Hills Nature Reserve: RMNH: 1 [1 - **1** - **1**].
25 October 1979: Kenya: Mukanda river: RMNH: 1 [1 - **1** - **1**].
26 October 1979: Kenya: Shimba Hills Nature Reserve: RMNH: 7 [7 - **7** - **7**].
10 December 1979: Kenya: Diani Forest: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Smeenk, Chris: 33

Smeenk, Chris; Smeenk, Nellie

6 April 1974: Nigeria: Unknown locality: RMNH: 1 [1 - **1** - **1**].
2 December 1975: Nigeria: Pandam Wildlife Park: RMNH: 1 [1 - **1** - **1**].
17 April 1976: Nigeria: Lake Pandam: RMNH: 1 [1 - **1** - **1**].
14 June 1976: Nigeria: Lake Pandam: RMNH: 1 [1 - **1** - **1**].
15 June 1976: Nigeria: Lake Pandam: RMNH: 3 [3 - **3** - **3**].

Total Specimens for Smeenk, Chris; Smeenk, Nellie: 7

Smeenk, Chris; Van de Blom, K.

Collection Date Unknown: Kenya: Unknown locality: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Smeenk, Chris; Van de Blom, K.: 1

Smend

Collection Date Unknown: Togo: Missahohé: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Smend: 1

Smit, H.A.W.

Collection Date Unknown: South Africa: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 September 1959: South Africa: De Hoop, wildproefplaats: ZMA: 3 [3 - **3** - **3**].
1 June 1960: Madagascar: Lac Alaotra, near: ZMA: 2 [2 - **2** - **2**].
22 August 1960: Zimbabwe: Fort Cottage: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Smit, H.A.W.: 7

Smith, 1

3 January 1953: Tanzania: Ukara island: BMNH: 1 [1 - **1** - **1**].

1 March 1953: Tanzania: Ukara island: BMNH: 1 [1 - **1** - **1**].
26 April 1970: Mozambique: Luabo: HZM: 1 [1 - **1** - **1**].

Total Specimens for Smith, 1: 3

Smith, A.

Collection Date Unknown: South Africa: Swellidam: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Smith, A.: 1

Smith, Andrew
(3 December 1797: Heronhall - 12 August 1872: London)

Collection Date Unknown: South Africa: Cape Town: BMNH: 1 [1 - **1**].
Tanzania: Ukara island: BMNH: 1 [1 - **1** - **2**].

Total Specimens for Smith, Andrew: 2

Smith, David C.

Collection Date Unknown: Kenya: Nairobi: YPM: 5 [5 - **5** - **5**].
28 July 1967: Kenya: "Olorgesailie": YPM: 1 [1 - **1** - **1**].

Total Specimens for Smith, David C.: 6

Smith, Dwight

14 July 1970: Nigeria: ACWA: ROM: 1 [1 - **1** - **1**].
26 July 1970: Nigeria: ACWA: ROM: 1 [1 - **1** - **1**].
29 July 1970: Nigeria: ACWA: MSB: 1 [1 - **1** - **1**].

Total Specimens for Smith, Dwight: 3

Smith, F.C.

Collection Date Unknown: Sierra Leone: no specific locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Smith, F.C.: 1

Smith, J.

20 March 1963: Madagascar: Sakaraha: YPM: 1 [1 - **1** - **1**].
13 May 1963: Madagascar: Analamazaotra forest, Périnet: YPM: 10 [10 - **10** - **10**].
17 May 1963: Madagascar: Analamazaotra forest, Périnet: YPM: 1 [1 - **1** - **1**].

Total Specimens for Smith, J.: 12

Smith, J.A.

Collection Date Unknown: South Africa: Grahamstown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Smith, J.A.: 1

Smith, K.A.C.

7 July 1965: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
18 July 1965: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
20 July 1965: Malawi: Chileka: ROM: 6 [6 - **6** - **6**].
21 July 1965: Malawi: Chileka: ROM: 2 [2 - **2** - **2**].
22 July 1965: Malawi: Chileka: ROM: 8 [8 - **8** - **8**].
25 July 1965: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
28 July 1965: Malawi: Chileka: ROM: 2 [2 - **2** - **2**].
3 November 1965: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
20 December 1965: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
22 December 1965: Malawi: Chileka: ROM: 3 [3 - **3** - **3**].
23 December 1965: Malawi: Chileka: ROM: 2 [2 - **2** - **2**].
1 January 1966: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
7 January 1966: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
12 January 1966: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
13 January 1966: Malawi: Chileka: ROM: 2 [2 - **2** - **2**].
14 January 1966: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
16 January 1966: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
20 January 1966: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
24 January 1966: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].

31 January 1966: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].
12 February 1966: Malawi: Chileka: ROM: 1 [1 - **1** - **1**].

Total Specimens for Smith, K.A.C.: 39

Smith, L.; Smith, D.

4 March 1932: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].

Total Specimens for Smith, L.; Smith, D.: 1

Smith, Steven A.

24 August 1974: South Africa: Farm Strathfieldsaye: TM: 1 [1 - **1** - **1**].
25 August 1974: South Africa: Cato Ridge, 3 km NE: TM: 1 [1 - **1** - **1**].
27 August 1974: South Africa: Karkloof Forests: TM: 1 [1 - **1** - **1**].
22 September 1974: South Africa: Mid-Illovo: TM: 1 [1] - Umbumbulu: TM: 1 [1 - **2** - **2**].

Total Specimens for Smith, Steven A.: 5

Smith, W.; Baker, E.

4 May 1955: Congo (Democratic Republic of the): Mount Hoyo caves: USNM: 4 [4 - **4** - **4**].

Total Specimens for Smith, W.; Baker, E.: 4

Smithers, Reay Henry Noble
(1907 - 1987)

Collection Date Unknown: Botswana: Chobe NP, Kasane: ROM: 8 [8 - **8** - **8**].
17 July 1952: Namibia: Lisikili, lake: TM: 1 [1 - **1** - **1**].
3 March 1957: Zimbabwe: Wallaby Claims: BMNH: 1 [1 - **1** - **1**].
7 June 1957: Botswana: Tsane, Camp 8: HZM: 1 [1 - **1** - **1**].
18 June 1960: Zimbabwe: Umtali: HZM: 1 [1 - **1** - **1**].
19 June 1960: Zimbabwe: Umtali Old Mine: HZM: 1 [1 - **1** - **1**].
12 December 1960: Zimbabwe: Umtali Old Mine: HZM: 1 [1 - **1** - **1**].
23 January 1961: Botswana: Tsane, Camp 8: HZM: 1 [1 - **1** - **1**].
3 February 1961: Zimbabwe: Greendale: ROM: 1 [1 - **1** - **1**].
24 February 1961: Botswana: Tsane, Camp 8: HZM: 1 [1 - **1** - **1**].
6 October 1961: Zimbabwe: Hatfield: AMNH: 1 [1 - **1** - **1**].
20 October 1961: Zimbabwe: Highlands: AMNH: 1 [1] - Salisbury: HZM: 1 [1 - **2** - **2**].
3 December 1961: Zimbabwe: Thornpark Estate: HZM: 1 [1 - **1** - **1**].
30 March 1962: Zimbabwe: Avondale: AMNH: 1 [1 - **1** - **1**].
27 August 1962: Zimbabwe: Zambezi - Chewore junction: AMNH: 1 [1 - **1** - **1**].
10 February 1963: Zimbabwe: Hunyani Dam: AMNH: 1 [1 - **1** - **1**].
27 July 1963: Zimbabwe: Highlands: AMNH: 1 [1 - **1** - **1**].
20 October 1963: Zimbabwe: Salisbury: HZM: 2 [2 - **2** - **2**].
9 November 1963: Zimbabwe: Wessex Farm Ruwa: AMNH: 1 [1 - **1** - **1**].
18 November 1963: Zimbabwe: Mazoe: AMNH: 1 [1 - **1** - **1**].
21 February 1964: Botswana: Shakawe: HZM: 1 [1 - **1** - **1**].
16 June 1964: Zimbabwe: Karoi: AMNH: 2 [2 - **2** - **2**].
1 July 1964: Botswana: Tamafuhi: HZM: 1 [1] - Tamafupi: HZM: 2 [2 - **3** - **3**].
23 November 1964: Zimbabwe: Waterfalls: AMNH: 1 [1 - **1** - **1**].
31 December 1964: Zimbabwe: Penalice Farm: HNHM: 1 [1 - **1** - **1**].
8 February 1965: Angola: Cassai: HZM: 1 [1 - **1** - **1**].
23 April 1965: Zimbabwe: Braeside: AMNH: 1 [1 - **1** - **1**].
17 September 1965: Zambia: Zambezi rapids: HZM: 1 [1 - **1** - **1**].
11 November 1965: Zimbabwe: Hatfield: AMNH: 1 [1 - **1** - **1**].
3 December 1965: Botswana: Kasane: AMNH: 1 [1 - **1** - **1**].
6 December 1965: Botswana: Kasane: AMNH: 1 [1 - **1** - **1**].
9 December 1965: Botswana: Kasane: AMNH: 4 [4 - **4** - **4**].
11 December 1965: Botswana: Chobe NP, Kasane: ROM: 1 [1] - Kasane: AMNH: 1 [1 - **2** - **2**].
3 May 1966: Zimbabwe: Eyerston Farm: AMNH: 1 [1 - **1** - **1**].
4 December 1966: Botswana: Serowe, 40 mi NW: HZM: 2 [2 - **2** - **2**].
10 December 1966: "Africa": Malingwe Pan: HZM: 1 [1 - **1** - **1**].
7 June 1967: Botswana: Chobe NP, Kasane: ROM: 3 [3 - **3** - **3**].
25 June 1967: Botswana: Selinda Spillway: ROM: 1 [1 - **1** - **1**].
3 September 1967: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
19 September 1967: Botswana: Maun: SMF: 1 [1 - **1** - **1**].
20 September 1967: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
30 November 1967: Botswana: Maun: ROM: 2 [2 - **2** - **2**].
3 December 1967: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
21 December 1967: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
6 March 1968: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
16 May 1968: Botswana: Maun: ROM: 2 [2 - **2** - **2**].

17 May 1968: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
20 May 1968: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
28 March 1969: Botswana: Livingstone Cave: HNHM: 1 [1 - **1** - **1**].
22 April 1969: Botswana: Maun: ROM: 1 [1 - **1** - **1**].
6 May 1969: Zimbabwe: Mashunga Hande Dam: HZM: 1 [1 - **1** - **1**].
18 February 1970: Zimbabwe: Peterhouse School: HZM: 1 [1 - **1** - **1**].
18 November 1970: Zimbabwe: Rainham: HZM: 1 [1 - **1** - **1**].
7 December 1975: Botswana: Four Rivers Camp: HZM: 1 [1 - **1** - **1**].

Total Specimens for Smithers, Reay Henry Noble: 75

Smitz, A.

5 August 1952: Congo (Democratic Republic of the): Elisabethville: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Smitz, A.: 1

soeur de notre dame de Bethanie

Collection Date Unknown: Congo (Democratic Republic of the): Katanga: RMCA: 1 [1 - **1** - **1**].

Total Specimens for soeur de notre dame de Bethanie: 1

Sokolowski

Collection Date Unknown: Senegal: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Sokolowski: 1

Solomon, M.T.

Collection Date Unknown: Uganda: Busingiro Camp Site: FMNH: 1 [1 - **1** - **1**].
27 June 1998: Uganda: Nyafungo Nature Reserve: FMNH: 1 [1 - **1** - **1**].
2 July 1998: Uganda: Busingiro Camp Site: FMNH: 2 [2 - **2** - **2**].
3 July 1998: Uganda: Busingiro Camp Site: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Solomon, M.T.: 5

Sopper, H.

8 February 1941: South Africa: Mazelfontein: TM: 1 [1 - **1** - **1**].

Total Specimens for Sopper, H.: 1

Sordahl, L.O.

Collection Date Unknown: Namibia: Berseba: USNM: 1 [1 - **1** - **1**].
8 March 1930: Namibia: Mount Brukaros: USNM: 1 [1 - **1** - **1**].
25 March 1930: Namibia: Mount Brukaros: USNM: 1 [1 - **1** - **1**].
14 May 1930: Namibia: Mount Brukaros: USNM: 4 [4 - **4** - **4**].
29 October 1930: Namibia: Berseba: USNM: 4 [4 - **4** - **4**].
14 May 1931: Namibia: Mount Brukaros: USNM: 5 [5 - **5** - **5**].
20 May 1931: Namibia: Keetmannshoop: USNM: 1 [1 - **1** - **1**].

Total Specimens for Sordahl, L.O.: 17

Southampton University Expedition, The

Collection Date Unknown: Madagascar: Unknown locality: BMNH: 6 [6 - **6**].
Uganda: Unknown locality: BMNH: 17 [17] - Bukasa Island: BMNH: 3 [3 - **20** - **26**].

Total Specimens for Southampton University Expedition, The: 26

Sowler, G.A.

3 January 1977: South Africa: Vernon Crooks Nature Reserve: TM: 1 [1 - **1** - **1**].
2 January 1978: South Africa: Vernon Crooks Nature Reserve: TM: 1 [1 - **1** - **1**].
3 January 1978: South Africa: Vernon Crooks Nature Reserve: TM: 18 [18 - **18** - **18**].
4 January 1978: South Africa: Vernon Crooks Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Sowler, G.A.: 21

Sowler, G.A.; Sowler, S.G.

24 January 1982: South Africa: Oribi-Lind Valley Game Ranch: TM: 8 [8 - **8** - **8**].

Total Specimens for Sowler, G.A.; Sowler, S.G.: 8

Sowler, S.G.

20 November 1977: South Africa: Umkomaas: ZMA: 1 [1 - **1** - **1**].
22 November 1977: South Africa: Roseneath: ZMA: 1 [1 - **1** - **1**].
17 February 1978: South Africa: Roseneath: ZMA: 1 [1 - **1** - **1**].
4 April 1978: South Africa: Roseneath: ZMA: 1 [1 - **1** - **1**].
6 April 1978: South Africa: Ellingham: ZMA: 1 [1 - **1** - **1**].
29 April 1978: South Africa: Ellingham: ZMA: 1 [1 - **1** - **1**].
26 June 1978: South Africa: Roseneath: ZMA: 1 [1 - **1** - **1**].
13 July 1978: South Africa: Greenpoint Lighthouse: ZMA: 1 [1 - **1** - **1**].
21 September 1978: South Africa: Ellingham: ZMA: 1 [1] - Umkomaas: ZMA: 1 [1 - **2** - **2**].
9 November 1978: South Africa: Ellingham: ZMA: 1 [1 - **1** - **1**].
1 January 1979: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
8 February 1979: South Africa: Scottburgh: ZMA: 1 [1 - **1** - **1**].
9 February 1979: South Africa: Scottburgh: ZMA: 1 [1 - **1** - **1**].
28 February 1979: South Africa: Greenpoint Lighthouse: ZMA: 1 [1 - **1** - **1**].
13 March 1979: South Africa: Scottburgh: ZMA: 1 [1 - **1** - **1**].
29 March 1979: South Africa: Umkomaas: ZMA: 1 [1 - **1** - **1**].
2 April 1979: South Africa: Ellingham: ZMA: 1 [1 - **1** - **1**].
6 April 1979: South Africa: Ellingham: ZMA: 2 [2 - **2** - **2**].
18 April 1979: South Africa: Umkomaas: ZMA: 1 [1 - **1** - **1**].
29 May 1979: South Africa: Greenpoint Lighthouse: ZMA: 1 [1 - **1** - **1**].
3 June 1979: South Africa: St. Lucia: ZMA: 2 [2 - **2** - **2**].
5 June 1979: South Africa: Greenpoint Lighthouse: ZMA: 2 [2 - **2** - **2**].
22 June 1979: South Africa: Greenpoint Lighthouse: ZMA: 1 [1 - **1** - **1**].
26 June 1979: South Africa: Greenpoint Lighthouse: ZMA: 1 [1 - **1** - **1**].
13 July 1979: South Africa: Umkomaas: ZMA: 2 [2 - **2** - **2**].
27 July 1979: South Africa: Renie Park: ZMA: 1 [1] - Renishaw: ZMA: 1 [1 - **2** - **2**].
31 July 1979: South Africa: Renie Park: ZMA: 3 [3 - **3** - **3**].
3 August 1979: South Africa: Amanzimtoti: ZMA: 1 [1] - Renie Park: ZMA: 3 [3 - **4** - **4**].
21 August 1979: South Africa: Renie Park: ZMA: 2 [2 - **2** - **2**].
14 September 1979: South Africa: Renie Park: ZMA: 1 [1 - **1** - **1**].
18 September 1979: South Africa: Renie Park: ZMA: 2 [2 - **2** - **2**].
20 September 1979: South Africa: Umkomaas: ZMA: 1 [1 - **1** - **1**].
24 September 1979: South Africa: Renie Park: ZMA: 2 [2 - **2** - **2**].
18 October 1979: South Africa: Ellingham: ZMA: 1 [1] - Rynie Park: ZMA: 1 [1 - **2** - **2**].
19 October 1979: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
24 October 1979: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
30 October 1979: South Africa: Umkomaas: ZMA: 1 [1 - **1** - **1**].
10 November 1979: South Africa: Rynie Park: ZMA: 2 [2 - **2** - **2**].
12 November 1979: South Africa: Rynie Park: ZMA: 2 [2 - **2** - **2**].
26 November 1979: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
8 December 1979: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
11 December 1979: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
15 December 1979: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
9 January 1980: South Africa: Rynie Park: ZMA: 1 [1] - Umkomaas: ZMA: 1 [1 - **2** - **2**].
12 January 1980: South Africa: Rynie Park: ZMA: 2 [2 - **2** - **2**].
17 January 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
19 January 1980: South Africa: Umkomaas: ZMA: 1 [1 - **1** - **1**].
11 February 1980: South Africa: Rynie Park: ZMA: 4 [4 - **4** - **4**].
21 February 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
26 March 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
28 March 1980: South Africa: Rynie Park: ZMA: 4 [4 - **4** - **4**].
15 April 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
28 April 1980: South Africa: Rynie Park: ZMA: 3 [3 - **3** - **3**].
29 April 1980: South Africa: Rynie Park: ZMA: 3 [3 - **3** - **3**].
6 May 1980: South Africa: Rynie Park: ZMA: 2 [2 - **2** - **2**].
19 May 1980: South Africa: Rynie Park: ZMA: 4 [4] - Umkomaas: ZMA: 1 [1 - **5** - **5**].
23 June 1980: South Africa: Rynie Park: ZMA: 4 [4 - **4** - **4**].
24 June 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
30 June 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
10 July 1980: South Africa: Rynie Park: ZMA: 3 [3 - **3** - **3**].
28 July 1980: South Africa: Rynie Park: ZMA: 4 [4 - **4** - **4**].
18 August 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
27 August 1980: South Africa: Rynie Park: ZMA: 2 [2 - **2** - **2**].
28 August 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
11 September 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
20 September 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
23 September 1980: South Africa: Rynie Park: ZMA: 5 [5 - **5** - **5**].

24 September 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
28 October 1980: South Africa: Rynie Park: ZMA: 6 [6 - **6** - **6**].
10 November 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
24 November 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
27 November 1980: South Africa: Amanzimtoti: ZMA: 1 [1] - Rynie Park: ZMA: 2 [2 - **3** - **3**].
10 December 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
22 December 1980: South Africa: Amanzimtoti: ZMA: 1 [1] - Rynie Park: ZMA: 3 [3 - **4** - **4**].
28 December 1980: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
8 January 1981: South Africa: Rynie Park: ZMA: 3 [3 - **3** - **3**].
9 January 1981: South Africa: Rynie Park: ZMA: 2 [2 - **2** - **2**].
14 January 1981: South Africa: Westville: TM: 4 [4 - **4** - **4**].
16 January 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
20 January 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
12 February 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
14 March 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
30 April 1981: South Africa: Rynie Park: ZMA: 2 [2 - **2** - **2**].
11 May 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
4 June 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
10 June 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
17 June 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
20 June 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
24 June 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
27 June 1981: South Africa: Rynie Park: ZMA: 2 [2 - **2** - **2**].
20 July 1981: South Africa: Rynie Park: ZMA: 2 [2 - **2** - **2**].
13 August 1981: South Africa: Rynie Park: ZMA: 4 [4 - **4** - **4**].
17 August 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].
24 August 1981: South Africa: Rynie Park: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Sowler, S.G.: 163

Soyaux, H.

21 January 1885: Gabon: Ssibange [Sibange] farm: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Soyaux, H.: 1

Spatz

Collection Date Unknown: Algeria: Ain Mokra: ZMB: 3 [3] - Algiers: ZMB: 5 [5 - **8**].
Senegal: Dagana: ZMB: 15 [15] - Mbout [=Mbeute]: ZMB: 20 [20 - **35**].
Tunisia: Gabès: ZMB: 2 [2 - **2** - **45**].

Total Specimens for Spatz: 45

Spaute, L.

12 January 1952: Congo (Democratic Republic of the): Kabanga: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Spaute, L.: 1

Spelbrink, C.; Koch, U.

1 July 1987: Canary Islands (Spain): Laurisilva Forest: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Spelbrink, C.; Koch, U.: 1

Spinage, C.A.

Collection Date Unknown: Central African Republic: Bamingui-Bangoran National Park: BMNH: 2 [2 - **2** - **2**].
18 June 1979: Central African Republic: Badingua: BMNH: 1 [1 - **1** - **1**].
20 June 1979: Central African Republic: Bamingui: BMNH: 2 [2 - **2** - **2**].
17 January 1980: Central African Republic: Bamingui-Bangoran National Park: BMNH: 1 [1 - **1** - **1**].
19 January 1980: Central African Republic: Bamingui-Bangoran National Park: BMNH: 1 [1 - **1** - **1**].
24 January 1980: Central African Republic: Bamingui-Bangoran National Park: BMNH: 1 [1 - **1** - **1**].
9 February 1980: Central African Republic: Bamingui-Bangoran National Park: BMNH: 1 [1 - **1** - **1**].
7 April 1980: Central African Republic: Bamingui-Bangoran National Park: BMNH: 1 [1 - **1** - **1**].
9 April 1980: Central African Republic: Bamingui-Bangoran National Park: BMNH: 2 [2 - **2** - **2**].
20 July 1980: Central African Republic: Bamingui-Bangoran National Park: BMNH: 4 [4 - **4** - **4**].
27 December 1981: Central African Republic: Kaja Nze: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Spinage, C.A.: 17

Spitzenberger, Frederike; Herzig, Barbara

4 December 1975: South Africa: Tsitsikamma Guano cave: NMW: 7 [7 - **7** - **7**].

Total Specimens for Spitzenberger, Frederike; Herzig, Barbara: 7

Sporneck

Collection Date Unknown: Namibia: Koës: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Sporneck: 1

Spurrell, H.G.F.

Collection Date Unknown: Ghana: Bibianaha: BMNH: 2 [2 - **2**].
Nigeria: Old Calabar: BMNH: 1 [1 - **1** - **3**].
7 December 1910: Ghana: Bibianaha: BMNH: 1 [1 - **1** - **1**].
8 December 1910: Ghana: Bibianaha: BMNH: 1 [1 - **1** - **1**].
24 April 1912: Ghana: Bibianaha: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Spurrell, H.G.F.: 6

Squire, H.H.

Collection Date Unknown: Nigeria: Benin: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Squire, H.H.: 1

Stager, Kenneth E.

Collection Date Unknown: Kenya: Kairuni: LACM: 3 [3] - Lake Paradise: LACM: 11 [11] - NE base along the Wei Wei River: LACM: 37 [37 - **51**].
Tanzania: Bunduki: LACM: 7 [7 - **7** - **58**].
9 January 1964: Tanzania: Bunduki: LACM: 2 [2 - **2** - **2**].
18 May 1968: Kenya: Kejengole Route: LACM: 4 [4 - **4** - **4**].
19 May 1968: Kenya: Kejengole Route: LACM: 2 [2 - **2** - **2**].
20 May 1968: Kenya: Kejengole Route: LACM: 3 [3 - **3** - **3**].
4 June 1968: Kenya: Mount Nyiro: LACM: 1 [1 - **1** - **1**].
17 September 1969: Kenya: NE Base Wei Wei River, West Pokot: LACM: 4 [4] - West Pokot: LACM: 3 [3 - **7** - **7**].
19 September 1969: Kenya: NE Base Wei Wei River, West Pokot: LACM: 1 [1 - **1** - **1**].
23 September 1969: Kenya: NE Base Wei Wei River, West Pokot: LACM: 1 [1 - **1** - **1**].
6 March 1973: Kenya: Boni Forest: LACM: 4 [4 - **4** - **4**].
7 March 1973: Kenya: Boni Forest: LACM: 3 [3 - **3** - **3**].
8 March 1973: Kenya: Boni Forest: LACM: 2 [2 - **2** - **2**].
11 March 1973: Kenya: Bodhai: LACM: 1 [1] - Witu Forest: LACM: 6 [6 - **7** - **7**].
20 September 1973: Kenya: Kairuni: LACM: 8 [8 - **8** - **8**].
26 March 1982: Kenya: Muumandu: HZM: 2 [2 - **2** - **2**].
1 June 1982: Kenya: Kamuani Area: HZM: 2 [2 - **2** - **2**].
30 September 1982: Zambia: Luangwa River: LACM: 5 [5] - Luangwa River, base camp: LACM: 1 [1 - **6** - **6**].
1 October 1982: Zambia: Luangwa River: LACM: 11 [11] - Luangwa River, base camp: LACM: 4 [4 - **15** - **15**].
2 October 1982: Zambia: Luangwa River: LACM: 11 [11] - Luangwa River, base camp: LACM: 4 [4 - **15** - **15**].
3 October 1982: Zambia: Luangwa River: LACM: 6 [6] - Luangwa River, base camp: LACM: 1 [1 - **7** - **7**].
4 October 1982: Zambia: Luangwa River: LACM: 1 [1] - Luangwa River, base camp: LACM: 4 [4 - **5** - **5**].
5 October 1982: Zambia: Luangwa River: LACM: 3 [3] - Luangwa River, base camp: LACM: 2 [2 - **5** - **5**].
6 October 1982: Zambia: Luangwa River: LACM: 2 [2] - Luangwa River, base camp: LACM: 3 [3 - **5** - **5**].
7 October 1982: Zambia: Luangwa River, base camp: LACM: 2 [2 - **2** - **2**].
8 October 1982: Zambia: Luangwa River, base camp: LACM: 4 [4 - **4** - **4**].
12 October 1982: Zambia: Luangwa River, base camp: LACM: 4 [4 - **4** - **4**].
13 October 1982: Zambia: Luangwa River, base camp: LACM: 3 [3 - **3** - **3**].

Total Specimens for Stager, Kenneth E.: 178

Stampfli, F.X.

Collection Date Unknown: Liberia: Unknown locality: RMNH: 4 [4 - **4** - **4**].
22 July 1884: Liberia: Schieffelinsville: RMNH: 1 [1 - **1** - **1**].
14 August 1884: Liberia: Schieffelinsville: RMNH: 1 [1 - **1** - **1**].
11 July 1885: Liberia: Schieffelinsville: RMNH: 1 [1 - **1** - **1**].
9 September 1885: Liberia: Schieffelinsville: RMNH: 1 [1 - **1** - **1**].
1 July 1887: Liberia: Farmington river: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Stampfli, F.X.: 9

Stampfli, F.X.; Büttikofer, Johan

Collection Date Unknown: Liberia: Unknown locality: RMNH: 3 [3 - **3** - **3**].
1 June 1988: Liberia: Hilltown: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Stampfli, F.X.; Büttikofer, Johan: 4

Stanley, William ("Bill") T.
(ca 1957: Beirut - 6 October 2015: Ethiopia)

Collection Date Unknown: Tanzania: Kideke: FMNH: 2 [2 - **2** - **2**].
11 November 1990: Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: FMNH: 1 [1 - **1** - **1**].
14 November 1990: Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: FMNH: 1 [1 - **1** - **1**].
15 November 1990: Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: FMNH: 1 [1 - **1** - **1**].
16 November 1990: Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: FMNH: 2 [2 - **2** - **2**].
17 November 1990: Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: FMNH: 1 [1 - **1** - **1**].
22 November 1990: Uganda: Mubuku - Mahoma River confluence, above: FMNH: 1 [1 - **1** - **1**].
24 November 1990: Uganda: Mubuku - Mahoma River confluence, above: FMNH: 1 [1 - **1** - **1**].
25 November 1990: Uganda: Mubuku - Mahoma River confluence, above: FMNH: 2 [2 - **2** - **2**].
26 November 1990: Uganda: Mubuku - Mahoma River confluence, above: FMNH: 14 [14 - **14** - **14**].
27 November 1990: Uganda: Mubuku - Mahoma River confluence, above: FMNH: 6 [6 - **6** - **6**].
28 November 1990: Uganda: Mubuku - Mahoma River confluence, above: FMNH: 1 [1 - **1** - **1**].
29 November 1990: Uganda: Mubuku - Mahoma River confluence, above: FMNH: 3 [3 - **3** - **3**].
30 November 1990: Uganda: Mubuku - Mahoma River confluence, above: FMNH: 2 [2 - **2** - **2**].
4 December 1990: Uganda: Nyabitaba Hut: FMNH: 3 [3 - **3** - **3**].
5 December 1990: Uganda: Nyabitaba Hut: FMNH: 2 [2 - **2** - **2**].
7 December 1990: Uganda: Nyabitaba Hut: FMNH: 1 [1 - **1** - **1**].
9 December 1990: Uganda: Nyabitaba Hut: FMNH: 1 [1 - **1** - **1**].
11 December 1990: Uganda: Nyabitaba Hut: FMNH: 1 [1 - **1** - **1**].
25 July 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
26 July 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
27 July 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
2 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
4 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 2 [2 - **2** - **2**].
5 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 2 [2 - **2** - **2**].
10 August 1992: Tanzania: Bulwa Tea Estate: FMNH: 2 [2 - **2** - **2**].
11 August 1992: Tanzania: Bulwa Tea Estate: FMNH: 1 [1 - **1** - **1**].
17 August 1992: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
29 August 1992: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
30 August 1992: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
1 September 1992: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
2 September 1992: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
3 September 1992: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
4 September 1992: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
18 July 1993: Tanzania: Bombo, 7 km S: FMNH: 1 [1 - **1** - **1**].
23 July 1993: Tanzania: Bombo, 7 km S: FMNH: 1 [1 - **1** - **1**].
24 July 1993: Tanzania: Bombo, 7 km S: FMNH: 1 [1 - **1** - **1**].
2 August 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 2 [2 - **2** - **2**].
3 August 1993: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 2 [2 - **2** - **2**].
18 August 1993: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
19 August 1993: Tanzania: Ambangulu Estate: FMNH: 1 [1 - **1** - **1**].
22 August 1993: Tanzania: Ambangulu Estate: FMNH: 10 [10 - **10** - **10**].
25 August 1993: Tanzania: Gonja Forest Reserve: FMNH: 6 [6] - Gonja Maore: FMNH: 3 [3 - **9** - **9**].
26 August 1993: Tanzania: Gonja Forest Reserve: FMNH: 6 [6 - **6** - **6**].
27 August 1993: Tanzania: Gonja Forest Reserve: FMNH: 7 [7 - **7** - **7**].
28 August 1993: Tanzania: Gonja Forest Reserve: FMNH: 6 [6 - **6** - **6**].
30 August 1993: Tanzania: Gonja Maore: FMNH: 3 [3 - **3** - **3**].
18 July 1994: Tanzania: Kwambumi Forest Reserve: FMNH: 1 [1 - **1** - **1**].
19 July 1994: Tanzania: Kwambumi Forest Reserve: FMNH: 1 [1 - **1** - **1**].
20 July 1994: Tanzania: Kwambumi Forest Reserve: FMNH: 2 [2 - **2** - **2**].
22 July 1994: Tanzania: Kwambumi Forest Reserve: FMNH: 2 [2 - **2** - **2**].
3 August 1994: Tanzania: Chita, 3 km N: FMNH: 4 [4 - **4** - **4**].
6 August 1994: Tanzania: Chita, 3 km N: FMNH: 2 [2 - **2** - **2**].
7 August 1994: Tanzania: Chita, 3 km N: FMNH: 3 [3 - **3** - **3**].
8 August 1994: Tanzania: Chita, 3 km N: FMNH: 1 [1 - **1** - **1**].
22 August 1994: Tanzania: South Pare Mts, Chome Forest Reserve: FMNH: 1 [1 - **1** - **1**].
25 August 1994: Tanzania: South Pare Mts, Chome Forest Reserve: FMNH: 1 [1 - **1** - **1**].
26 August 1994: Tanzania: South Pare Mts, Chome Forest Reserve: FMNH: 1 [1 - **1** - **1**].
27 August 1994: Tanzania: South Pare Mts, Chome Forest Reserve: FMNH: 2 [2 - **2** - **2**].
3 August 1995: Tanzania: Chita, 1.7 km N, 3.5 km W: FMNH: 1 [1 - **1** - **1**].
4 August 1995: Tanzania: Chita, 1.7 km N, 3.5 km W: FMNH: 4 [4 - **4** - **4**].
24 August 1995: Tanzania: Chita, 4.5 km W: FMNH: 3 [3 - **3** - **3**].
25 August 1995: Tanzania: Chita, 4.5 km W: FMNH: 1 [1 - **1** - **1**].
26 August 1995: Tanzania: Chita, 4.5 km W: FMNH: 1 [1 - **1** - **1**].
15 September 1995: Tanzania: Pugu Hills: FMNH: 72 [72 - **72** - **72**].

17 July 1996: Tanzania: Mbuya Mingi Campsite, near: FMNH: 2 [2 - **2** - **2**].
19 July 1996: Tanzania: Tarangire National Park: FMNH: 10 [10 - **10** - **10**].
29 July 1996: Tanzania: Uluguru Mts, Uluguru North Forest Reserve: FMNH: 1 [1 - **1** - **1**].
3 August 1996: Tanzania: Uluguru Mts, Uluguru North Forest Reserve: FMNH: 5 [5 - **5** - **5**].
4 August 1996: Tanzania: Uluguru Mts, Uluguru North Forest Reserve: FMNH: 4 [4 - **4** - **4**].
31 August 1996: Tanzania: Pugu Hills: FMNH: 86 [86 - **86** - **86**].
22 July 1997: Tanzania: Manyangu Forest Reserve: FMNH: 1 [1 - **1** - **1**].
15 August 1997: Tanzania: Nguru South Forest Reserve: FMNH: 1 [1 - **1** - **1**].
25 August 1997: Tanzania: Nguru South Forest Reserve: FMNH: 2 [2 - **2** - **2**].
1 October 1998: Tanzania: Dar es Salaam University: FMNH: 3 [3 - **3** - **3**].
25 August 1999: Tanzania: Mulenge Forest: FMNH: 2 [2 - **2** - **2**].
6 August 2000: Tanzania: Nguru North Forest Reserve: FMNH: 2 [2 - **2** - **2**].
18 August 2000: Tanzania: East Usambara Mts, Monga Tea Estate: FMNH: 1 [1 - **1** - **1**].
31 August 2000: Tanzania: Kibebe farms: FMNH: 2 [2 - **2** - **2**].
2 August 2001: Tanzania: Mbizi Forest Reserve: FMNH: 1 [1 - **1** - **1**].
9 August 2001: Tanzania: Kibebe farms: FMNH: 2 [2 - **2** - **2**].
22 July 2002: Tanzania: Maua, 7 km N, 2.5 km W: FMNH: 1 [1 - **1** - **1**].
23 July 2002: Tanzania: Maua, 7 km N, 2.5 km W: FMNH: 1 [1 - **1** - **1**].
28 August 2002: Tanzania: Maua, 4 km N, 1.5 km W: FMNH: 2 [2 - **2** - **2**].
26 July 2003: Tanzania: Udzungwa Mts, West Kilombero Scarp Forest Reserve, Ndundulu Forest: FMNH: 1 [1 - **1** - **1**].
2 August 2003: Tanzania: Kibebe farms: FMNH: 1 [1 - **1** - **1**].
10 August 2003: Tanzania: Kalilani village: FMNH: 11 [11 - **11** - **11**].
30 August 2003: Tanzania: Nkungwe Hill summit, 0.5 km NW: FMNH: 2 [2 - **2** - **2**].
31 August 2003: Tanzania: Nkungwe Hill summit, 0.5 km NW: FMNH: 1 [1 - **1** - **1**].
17 July 2004: Tanzania: Mikumi National Park: FMNH: 13 [13 - **13** - **13**].
4 August 2004: Malawi: Lujeri Tea Estate: FMNH: 6 [6 - **6** - **6**].
5 August 2004: Malawi: Lujeri Tea Estate: FMNH: 4 [4 - **4** - **4**].
7 August 2004: Malawi: Lujeri Tea Estate: FMNH: 1 [1 - **1** - **1**].
3 July 2005: Tanzania: Foley's Camp: FMNH: 5 [5 - **5** - **5**].
4 July 2005: Tanzania: Tarangire National Park: FMNH: 1 [1 - **1** - **1**].
6 July 2005: Tanzania: Foley's Camp: FMNH: 9 [9] - Tarangire National Park: FMNH: 1 [1 - **10** - **10**].
7 July 2005: Tanzania: Foley's Camp: FMNH: 3 [3 - **3** - **3**].
8 July 2005: Tanzania: Foley's Camp: FMNH: 4 [4 - **4** - **4**].
29 July 2005: Tanzania: Mikumi National Park: FMNH: 1 [1 - **1** - **1**].
5 August 2005: Tanzania: Utende: FMNH: 1 [1 - **1** - **1**].
6 August 2005: Tanzania: Mlola Forest: FMNH: 4 [4 - **4** - **4**].
7 August 2005: Tanzania: Mlola Forest: FMNH: 29 [29 - **29** - **29**].
8 August 2005: Tanzania: Mlola Forest: FMNH: 1 [1 - **1** - **1**].
9 August 2005: Tanzania: Mlola Forest: FMNH: 2 [2 - **2** - **2**].
11 August 2005: Tanzania: Chole Island: FMNH: 2 [2 - **2** - **2**].
12 August 2005: Tanzania: Kua ruins: FMNH: 4 [4 - **4** - **4**].
14 August 2005: Tanzania: Juani Island: FMNH: 9 [9 - **9** - **9**].
15 August 2005: Tanzania: Juani village: FMNH: 8 [8 - **8** - **8**].
16 August 2005: Tanzania: Utende: FMNH: 1 [1 - **1** - **1**].
17 August 2005: Tanzania: Ras Kisimani, near: FMNH: 1 [1] - Utende: FMNH: 1 [1 - **2** - **2**].
10 June 2006: Tanzania: Kibebe farms: FMNH: 1 [1 - **1** - **1**].
18 July 2006: Tanzania: Kindoroko Forest Reserve: FMNH: 7 [7 - **7** - **7**].
19 July 2006: Tanzania: Kindoroko Forest Reserve: FMNH: 1 [1 - **1** - **1**].
20 July 2006: Tanzania: Kindoroko Forest Reserve: FMNH: 1 [1 - **1** - **1**].
21 July 2006: Tanzania: Kindoroko Forest Reserve: FMNH: 3 [3 - **3** - **3**].
3 August 2006: Tanzania: Kijijini village: FMNH: 27 [27] - Ngezi Forest: FMNH: 1 [1 - **28** - **28**].
4 August 2006: Tanzania: Ngezi Forest: FMNH: 3 [3 - **3** - **3**].
5 August 2006: Tanzania: Kibatini village: FMNH: 1 [1] - Kipangani village: FMNH: 6 [6] - Ngezi Forest: FMNH: 2 [2 - **9** - **9**].
6 August 2006: Tanzania: Chonja village: FMNH: 3 [3] - Kipangani village: FMNH: 26 [26 - **29** - **29**].
9 August 2006: Tanzania: Ngezi Forest: FMNH: 5 [5 - **5** - **5**].
10 August 2006: Tanzania: Maziwa ya Ngombe: FMNH: 16 [16 - **16** - **16**].
11 August 2006: Tanzania: Maruwa Jongo cave: FMNH: 2 [2] - Mbuyuni village: FMNH: 9 [9] - Mwanamakuku cave: FMNH: 3 [3] - Ngezi Forest: FMNH: 1 [1 - **15** - **15**].
12 August 2006: Tanzania: Kijijini village: FMNH: 9 [9 - **9** - **9**].
20 August 2006: Tanzania: Minziro Forest Reserve: FMNH: 8 [8 - **8** - **8**].
21 August 2006: Tanzania: Minziro Forest Reserve: FMNH: 7 [7 - **7** - **7**].
22 August 2006: Tanzania: Minziro Forest Reserve: FMNH: 20 [20 - **20** - **20**].
23 August 2006: Tanzania: Minziro Forest Reserve: FMNH: 23 [23 - **23** - **23**].
25 July 2007: Tanzania: Chugu Peak, near: FMNH: 3 [3 - **3** - **3**].
26 July 2007: Tanzania: Chugu Peak, near: FMNH: 3 [3 - **3** - **3**].
27 July 2007: Tanzania: Chugu Peak, near: FMNH: 1 [1 - **1** - **1**].
10 August 2007: Tanzania: Amboni Cave Forest: FMNH: 67 [67 - **67** - **67**].
22 August 2007: Tanzania: Kiwengwa, near: FMNH: 6 [6] - Kiwengwa-Pongwe Forest Reserve cave: FMNH: 15 [15 - **21** - **21**].
23 August 2007: Tanzania: Kiwengwa: FMNH: 8 [8 - **8** - **8**].
24 August 2007: Tanzania: Pashuni cave: FMNH: 34 [34 - **34** - **34**].
25 August 2007: Tanzania: Dayte cave: FMNH: 10 [10 - **10** - **10**].
27 August 2007: Tanzania: Bungi-Gurunsini: FMNH: 9 [9] - Masingini Forest Station: FMNH: 9 [9] - Nyambiza Village: FMNH: 21 [21 - **39** - **39**].
28 August 2007: Tanzania: Kwabaniani caves: FMNH: 3 [3 - **3** - **3**].
29 August 2007: Tanzania: Machaga cave: FMNH: 3 [3] - Pange Juu cave: FMNH: 5 [5 - **8** - **8**].
2 September 2008: Tanzania: Songwe caves: FMNH: 2 [2 - **2** - **2**].

26 July 2009: Tanzania: Fig Tree Arch: FMNH: 1 [1 - **1** - **1**].
18 August 2009: Tanzania: Meru Crater: FMNH: 1 [1 - **1** - **1**].
3 June 2012: Congo (Democratic Republic of the): Kisantu: FMNH: 19 [19 - **19** - **19**].
7 June 2012: Congo (Democratic Republic of the): Baliko: FMNH: 2 [2 - **2** - **2**].
10 June 2012: Congo (Democratic Republic of the): Baliko: FMNH: 2 [2 - **2** - **2**].
11 June 2012: Congo (Democratic Republic of the): Baliko: FMNH: 7 [7 - **7** - **7**].
12 June 2012: Congo (Democratic Republic of the): Baliko: FMNH: 6 [6 - **6** - **6**].
13 June 2012: Congo (Democratic Republic of the): Baliko: FMNH: 2 [2 - **2** - **2**].
14 June 2012: Congo (Democratic Republic of the): Baliko: FMNH: 2 [2 - **2** - **2**].
15 June 2012: Congo (Democratic Republic of the): Baliko: FMNH: 2 [2] - Quatorze: FMNH: 1 [1 - **3** - **3**].
23 June 2013: Congo (Democratic Republic of the): Quatorze: FMNH: 1 [1 - **1** - **1**].
25 June 2013: Congo (Democratic Republic of the): Quatorze: FMNH: 3 [3 - **3** - **3**].
27 June 2013: Congo (Democratic Republic of the): Boende: FMNH: 4 [4] - Quatorze: FMNH: 2 [2 - **6** - **6**].
28 June 2013: Congo (Democratic Republic of the): Quatorze: FMNH: 1 [1 - **1** - **1**].
29 June 2013: Congo (Democratic Republic of the): Quatorze: FMNH: 4 [4 - **4** - **4**].
30 June 2013: Congo (Democratic Republic of the): Quatorze: FMNH: 1 [1 - **1** - **1**].
1 July 2013: Congo (Democratic Republic of the): Quatorze: FMNH: 3 [3 - **3** - **3**].
2 July 2013: Congo (Democratic Republic of the): Quatorze: FMNH: 1 [1 - **1** - **1**].
4 July 2013: Congo (Democratic Republic of the): Boende: FMNH: 4 [4 - **4** - **4**].
6 July 2013: Congo (Democratic Republic of the): Boende: FMNH: 4 [4 - **4** - **4**].
13 July 2013: Congo (Democratic Republic of the): Luki Biosphere Reserve: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Stanley, William ("Bill") T.: 932

Stanley, William T. [=Bill]; Goodman, Steven M.

11 August 1992: Tanzania: Bulwa Tea Estate: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Stanley, William T. [=Bill]; Goodman, Steven M.: 1

Stappers, Louis
(2 May 1883: Hasselt - 30 December 1916: Calais)

20 November 1911: Congo (Democratic Republic of the): Lukonzolwa: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Stappers, Louis: 1

Starrett, Andrew

24 June 1965: Kenya: Daren: LACM: 1 [1 - **1** - **1**].
7 July 1965: Uganda: Budongo: LACM: 1 [1 - **1** - **1**].
12 July 1965: Uganda: Budongo Forest: LACM: 1 [1 - **1** - **1**].

Total Specimens for Starrett, Andrew: 3

Start, Anthony N.

Collection Date Unknown: Ghana: Damongo: BMNH: 1 [1 - **1**].
Kenya: Unknown locality: BMNH: 2 [2] - Baringo, lake: BMNH: 12 [12] - Kilifi: BMNH: 3 [3] - Molo river: BMNH: 1 [1] - Turkana, lake: BMNH: 4 [4] - Wei Wei River: BMNH: 1 [1 - **23**].
Rwanda: Unknown locality: BMNH: 2 [2 - **2** - **26**].
19 August 1963: Kenya: Kilifi: WAM: 1 [1 - **1** - **1**].
20 August 1963: Kenya: Kilifi: WAM: 1 [1 - **1** - **1**].
21 August 1963: Kenya: Kilifi: WAM: 1 [1 - **1** - **1**].
22 August 1963: Kenya: Kilifi: BMNH: 1 [1 - **1** - **1**].
27 August 1963: Kenya: Kilifi: BMNH: 1 [1 - **1** - **1**].
28 August 1963: Uganda: Queen Elizabeth National Park: WAM: 1 [1 - **1** - **1**].
9 September 1963: Kenya: Mount Loldiani: WAM: 1 [1 - **1** - **1**].
15 November 1963: Kenya: Karen: BMNH: 1 [1 - **1** - **1**].
16 November 1963: Kenya: Karen: BMNH: 1 [1 - **1** - **1**].
17 November 1963: Kenya: Karen: BMNH: 1 [1 - **1** - **1**].
1 February 1964: Kenya: Nairobi: WAM: 1 [1 - **1** - **1**].
26 May 1964: Kenya: Garibete Water Hole: SMF: 1 [1 - **1** - **1**].
31 May 1964: Kenya: Koru: WAM: 1 [1 - **1** - **1**].
1 August 1964: Kenya: Kilifi: WAM: 1 [1] - Shimoni: WAM: 1 [1 - **2** - **2**].
16 August 1964: Kenya: Shimoni: WNMU: 1 [1] - Sultan Hamud: WNMU: 1 [1 - **2** - **2**].
27 August 1964: Kenya: Shimoni: WNMU: 1 [1 - **1** - **1**].
30 August 1964: Kenya: Sultan Hamud: BMNH: 1 [1 - **1** - **1**].
1 October 1964: Kenya: Coast: WAM: 1 [1 - **1** - **1**].
10 October 1964: Kenya: Mount Suswa cave: FMNH: 1 [1 - **1** - **1**].
18 October 1964: Kenya: Mount Suswa: WAM: 3, WNMU: 1 [4 - **4** - **4**].
3 November 1964: Kenya: Unknown locality: BMNH: 1 [1 - **1** - **1**].
27 January 1965: Kenya: Nairobi: WAM: 1 [1 - **1** - **1**].
1 February 1965: Kenya: Karen: BMNH: 1, WAM: 2 [3] - Nairobi: WAM: 1 [1 - **4** - **4**].
8 July 1965: Kenya: Kilifi: BMNH: 9 [9 - **9** - **9**].

6 August 1965: Kenya: Kakamega: WAM: 3 [3 - **3** - **3**].
15 August 1965: Kenya: Unknown locality: WAM: 2 [2] - Rongai: BMNH: 1 [1 - **3** - **3**].
29 August 1965: Kenya: Lesukut island: HZM: 2, SMF: 2, WAM: 1 [5 - **5** - **5**].
31 August 1965: Kenya: Menengai Crater: BMNH: 10 [10] - Nakuru: WAM: 1 [1 - **11** - **11**].
1 October 1966: Kenya: Wei Wei River: BMNH: 25 [25 - **25** - **25**].
21 October 1966: Kenya: Wei Wei River: BMNH: 1 [1 - **1** - **1**].
1 January 1967: Kenya: Wei Wei River: BMNH: 2 [2 - **2** - **2**].
15 July 1967: Kenya: Molo: WAM: 1 [1 - **1** - **1**].
22 July 1967: Kenya: Kampi ya Moto: WAM: 2 [2 - **2** - **2**].
2 August 1967: Kenya: Kiboko: SMF: 1 [1 - **1** - **1**].
6 August 1967: Kenya: Gedi: WAM: 1 [1 - **1** - **1**].
12 August 1967: Kenya: Unknown locality: WAM: 1 [1] - Garsen: BMNH: 1 [1 - **2** - **2**].
13 August 1967: Kenya: Malindi, 30 mi N: BMNH: 7 [7 - **7** - **7**].
20 August 1967: Kenya: Endebess: BMNH: 1 [1 - **1** - **1**].
21 August 1967: Kenya: Suam River: WAM: 1 [1 - **1** - **1**].
22 August 1967: Kenya: Wei Wei River: BMNH: 1 [1 - **1** - **1**].
25 August 1967: Kenya: Kongelai: BMNH: 1 [1] - Wei Wei River: BMNH: 1 [1 - **2** - **2**].
27 August 1967: Kenya: Tamkal Camp: BMNH: 1 [1 - **1** - **1**].
3 September 1967: Kenya: Sultan Hamud: SMF: 1 [1 - **1** - **1**].
25 August 1968: Kenya: Baringo: WAM: 2 [2] - Lake Hannington: WAM: 2 [2 - **4** - **4**].
27 August 1968: Kenya: Kampi Ya Samaki: WAM: 1 [1 - **1** - **1**].
14 September 1969: Kenya: Oleibortoto river: BMNH: 8 [8] - River Olebortoto: BMNH: 2 [2 - **10** - **10**].
15 September 1969: Kenya: Undefined locality: WAM: 1 [1 - **1** - **1**].
1 December 1969: Kenya: Karen: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Start, Anthony N.: 154

Start, Anthony N.; *et al.*

20 December 1964: Kenya: Lake Naivasha: WAM: 1 [1 - **1** - **1**].

Total Specimens for Start, Anthony N.; *et al.*: 1

Start, Anthony N.; Start, J.D.

17 March 1965: Kenya: Ngong: WAM: 1 [1 - **1** - **1**].

Total Specimens for Start, Anthony N.; Start, J.D.: 1

Start, Anthony N.; Taylor, I.

26 August 1969: Ghana: Mole Motel: BMNH: 4 [4 - **4** - **4**].
1 September 1969: Ghana: Mole Motel: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Start, Anthony N.; Taylor, I.: 7

Start, Anthony N.; Temple, A.M.G.

28 March 1964: Kenya: Hoey's bridge: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Start, Anthony N.; Temple, A.M.G.: 1

Start, Anthony N.; Watson, M.

Collection Date Unknown: Nigeria: Kaduna: BMNH: 1 [1 - **1** - **1**].
21 December 1965: Nigeria: Kaduna: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Start, Anthony N.; Watson, M.: 2

Start, J.D.

26 August 1966: Kenya: Nakuru: WAM: 1 [1 - **1** - **1**].
21 October 1966: Kenya: Cherangani Hills: WAM: 1 [1 - **1** - **1**].

Total Specimens for Start, J.D.: 2

Start, P.A.N.

Collection Date Unknown: Kenya: Kambiti W.H.: BMNH: 4 [4 - **4** - **4**].

Total Specimens for Start, P.A.N.: 4

Station de domestication des okapis Epulu

4 March 1957: Congo (Democratic Republic of the): Epulu: RMCA: 1 [1 - **1** - **1**].

9 May 1957: Congo (Democratic Republic of the): Epulu: RMCA: 2 [2 - **2** - **2**].
17 May 1957: Congo (Democratic Republic of the): Epulu: RMCA: 1 [1 - **1** - **1**].
26 May 1958: Congo (Democratic Republic of the): Epulu: RMCA: 1 [1 - **1** - **1**].
16 June 1958: Congo (Democratic Republic of the): Epulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Station de domestication des okapis Epulu: 6

Stebbins, Robert Cyril
(31 March 1915: Chico -)

20 January 1959: South Africa: Lessingshoogte: MVZ: 2 [2 - **2** - **2**].

Total Specimens for Stebbins, Robert Cyril: 2

Steele, Th.R.

Collection Date Unknown: Liberia: Cape Palmas: USNM: 2 [2 - **2** - **2**].

Total Specimens for Steele, Th.R.: 2

Stegmann, D.O.

13 March 1962: South Africa: Skukuza: KNP: 2 [2 - **2** - **2**].

Total Specimens for Stegmann, D.O.: 2

Stegmann-Stein

Collection Date Unknown: Rwanda: Kissenji [=Gisenyi]: ZMB: 5 [5] - Mugarura: ZMB: 10 [10 - **15**].
Tanzania: Unknown locality: ZMB: 1 [1] - no specific locality: ZMB: 2 [2] - Tanganyika, lake: ZMB: 6 [6 - **9** - **24**].

Total Specimens for Stegmann-Stein: 24

Steindachner, Franz
(1834 - 1919)

Collection Date Unknown: Senegal: Unknown locality: MCZ: 1 [1] - Richard Toll: MCZ: 1 [1 - **2** - **2**].

Total Specimens for Steindachner, Franz: 2

Steiner, H.

Collection Date Unknown: Sudan: Dongola: ZMB: 1 [1 - **1** - **1**].
2 July 1999: Madagascar: Unknown locality: SMF: 1 [1 - **1** - **1**].

Total Specimens for Steiner, H.: 2

Steinmann

1 January 1840: The Gambia: Unknown locality: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Steinmann: 1

Stendel

Collection Date Unknown: Tanzania: Bagamoyo: SMNS: 1 [1 - **1** - **1**].

Total Specimens for Stendel: 1

Stephan, Heinz

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 17 [17] - Gangala: RMCA: 1 [1] - Irangi: SMF: 1 [1 - **19** - **19**].
27 December 1956: Congo (Democratic Republic of the): Irangi: RMCA: 2 [2 - **2** - **2**].
30 December 1956: Congo (Democratic Republic of the): Irangi: RMCA: 1 [1 - **1** - **1**].
31 December 1956: Congo (Democratic Republic of the): Tschambutscha: RMCA: 1 [1 - **1** - **1**].
3 January 1957: Congo (Democratic Republic of the): Irangi: RMCA: 2 [2 - **2** - **2**].
4 January 1957: Congo (Democratic Republic of the): Irangi: RMCA: 1 [1 - **1** - **1**].
8 January 1957: Congo (Democratic Republic of the): Irangi: RMCA: 1 [1 - **1** - **1**].
15 January 1957: Congo (Democratic Republic of the): Muhulu: RMCA: 9 [9 - **9** - **9**].
16 January 1957: Congo (Democratic Republic of the): Muhulu: RMCA: 1 [1 - **1** - **1**].
23 January 1957: Congo (Democratic Republic of the): Katana cave: RMCA: 1 [1 - **1** - **1**].
4 March 1957: Congo (Democratic Republic of the): Epulu: RMCA: 2 [2 - **2** - **2**].
23 March 1957: Congo (Democratic Republic of the): Gangala: RMCA: 1 [1 - **1** - **1**].

24 March 1957: Congo (Democratic Republic of the): Gangala: RMCA: 9 [9 - **9** - **9**].
25 March 1957: Congo (Democratic Republic of the): Gangala: RMCA: 3 [3 - **3** - **3**].
26 March 1957: Congo (Democratic Republic of the): Gangala: RMCA: 2 [2 - **2** - **2**].
27 March 1957: Congo (Democratic Republic of the): Gangala: RMCA: 1 [1 - **1** - **1**].
28 February 1979: Burundi: Resha: SMF: 3 [3 - **3** - **3**].
1 March 1979: Burundi: Resha: SMF: 3 [3 - **3** - **3**].
2 March 1979: Burundi: Resha: SMF: 2 [2 - **2** - **2**].
3 March 1979: Burundi: Unknown locality: SMF: 3 [3] - Nyanza Lac: SMF: 2 [2] - Nyanza Lac, 10 km N: SMF: 3 [3] - Resha: SMF: 1 [1 - **9** - **9**].
4 March 1979: Burundi: Rutana: SMF: 1 [1 - **1** - **1**].
6 March 1979: Burundi: Rutana: SMF: 2 [2 - **2** - **2**].
8 March 1979: Burundi: Giheta: SMF: 1 [1 - **1** - **1**].
9 March 1979: Burundi: Kirundo province: SMF: 1 [1] - Lake Cohoha: SMF: 4 [4 - **5** - **5**].
10 March 1979: Burundi: Lake Cohoha: SMF: 2 [2 - **2** - **2**].
11 March 1979: Burundi: Lake Cohoha: SMF: 1 [1 - **1** - **1**].
12 March 1979: Burundi: Kayanza: SMF: 5 [5 - **5** - **5**].
13 March 1979: Burundi: Ngozi province: SMF: 1 [1 - **1** - **1**].
14 March 1979: Burundi: Gihanga: SMF: 2 [2 - **2** - **2**].
15 March 1979: Burundi: Unknown locality: SMF: 1 [1] - Resha: SMF: 2 [2 - **3** - **3**].
16 March 1979: Burundi: Resha: SMF: 1 [1 - **1** - **1**].
17 March 1979: Burundi: Resha: SMF: 1 [1 - **1** - **1**].
21 March 1979: Burundi: Bujumbura, 7 km NW: SMF: 4 [4 - **4** - **4**].
26 March 1979: Burundi: Kayanza: SMF: 4 [4 - **4** - **4**].
27 March 1979: Burundi: Kayanza: SMF: 4 [4 - **4** - **4**].
30 March 1979: Burundi: Resha: SMF: 1 [1 - **1** - **1**].
2 April 1979: Burundi: Resha: SMF: 1 [1 - **1** - **1**].
3 April 1979: Burundi: Resha: SMF: 8 [8 - **8** - **8**].
4 April 1979: Burundi: Resha: SMF: 3 [3 - **3** - **3**].
5 April 1979: Burundi: Resha: SMF: 2 [2 - **2** - **2**].
15 April 1979: Kenya: Karen: SMF: 1 [1 - **1** - **1**].
23 April 1979: Kenya: Diani Beach Centre, 10 km S: SMF: 1 [1 - **1** - **1**].
24 April 1979: Kenya: Diani Beach, 10 km S: SMF: 4 [4 - **4** - **4**].
26 April 1979: Kenya: Bushwacker's Safari Camp: SMF: 2 [2 - **2** - **2**].
3 May 1979: Kenya: Kakamega Forest: SMF: 3 [3 - **3** - **3**].
16 June 1979: Burundi: Resha: SMF: 1 [1 - **1** - **1**].
11 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 5 [5 - **5** - **5**].
12 January 1984: Congo (Democratic Republic of the): Kivu region: SMF: 1 [1 - **1** - **1**].
17 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 3 [3 - **3** - **3**].
18 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 2 [2 - **2** - **2**].
20 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 2 [2 - **2** - **2**].
21 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 2 [2 - **2** - **2**].
22 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
24 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
25 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
26 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 2 [2 - **2** - **2**].
28 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
29 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 9 [9 - **9** - **9**].
31 January 1984: Congo (Democratic Republic of the): Irangi: SMF: 2 [2 - **2** - **2**].
1 February 1984: Congo (Democratic Republic of the): Irangi: SMF: 2 [2 - **2** - **2**].
2 February 1984: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
5 February 1984: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
6 February 1984: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
8 February 1984: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
11 February 1984: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
13 February 1984: Congo (Democratic Republic of the): Irangi: SMF: 1 [1 - **1** - **1**].
15 February 1984: Congo (Democratic Republic of the): Irangi: SMF: 2 [2 - **2** - **2**].
17 February 1984: Congo (Democratic Republic of the): Irangi: SMF: 6 [6 - **6** - **6**].
18 February 1984: Congo (Democratic Republic of the): Irangi: SMF: 2 [2 - **2** - **2**].

Total Specimens for Stephan, Heinz: 187

Stequert, B.

Collection Date Unknown: Madagascar: Nossi-Be: ZMA: 2 [2 - **2** - **2**].
1 July 1975: Madagascar: Nosy Be, Centre ORSTOM: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Stequert, B.: 4

Steudner

Collection Date Unknown: Tanzania: Makullo [=Makulo]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Steudner: 1

Stevenart

27 January 1952: Congo (Democratic Republic of the): Yokamba Elongo: RMCA: 1 [1 - **1** - **1**].
28 June 1954: Congo (Democratic Republic of the): Yokamba Elongo: RMCA: 1 [1 - **1** - **1**].
1 May 1956: Congo (Democratic Republic of the): Bolafa: RMCA: 6 [6 - **6** - **6**].

Total Specimens for Stevenart: 8

Stevenson, A.

28 September 1963: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].

Total Specimens for Stevenson, A.: 1

Stevenson, Roy Hew Russell
(14 March 1879 -)

Collection Date Unknown: Zimbabwe: Selukwe: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Stevenson, Roy Hew Russell: 1

Stierling

Collection Date Unknown: Tanzania: no specific locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Stierling: 1

Stift

Collection Date Unknown: Cameroon: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Stift: 1

Stockholm museum, The

Collection Date Unknown: South Africa: Interior of Caffraria: BMNH: 1 [1 - **1** - **1**].
1 January 1967: South Africa: Republic of South Africa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Stockholm museum, The: 2

Stockley, C.H.

10 July 1951: Kenya: Kenya, mount: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Stockley, C.H.: 1

Stoffberg, Samantha

28 August 2006: Mozambique: Gerhard's Cave: DNSM: 1 [1 - **1** - **1**].
3 October 2007: Mozambique: Gerhard's Cave: DNSM: 4 [4 - **4** - **4**].

Total Specimens for Stoffberg, Samantha: 5

Stoffberg, Samantha; Cohen, Lientjie

27 September 2009: South Africa: Barberton: DNSM: 2 [2 - **2** - **2**].

Total Specimens for Stoffberg, Samantha; Cohen, Lientjie: 2

Stoffberg, Samantha; Schoeman, M. Corrie

23 July 2004: South Africa: Kokstad Mine: DNSM: 2 [2 - **2** - **2**].

Total Specimens for Stoffberg, Samantha; Schoeman, M. Corrie: 2

Stoffels

1 January 1970: Togo: Agou: RMCA: 6 [6 - **6** - **6**].

Total Specimens for Stoffels: 6

Stopp, K.; Mumford, Russell E.

Collection Date Unknown: South Africa: KwaZulu-Natal province: ROM: 1 [1 - **1** - **1**].

Total Specimens for Stopp, K.; Mumford, Russell E.: 1

Stout, A.

16 August 1963: Kenya: Kilifi: ROM: 1 [1 - **1** - **1**].

Total Specimens for Stout, A.: 1

Strauss, H.

Collection Date Unknown: Namibia: Alte Feste: SMW: 5 [5 - **5** - **5**].

Total Specimens for Strauss, H.: 5

Strauss; West Africa Expedition, the

12 April 1934: Mali: Sotuba: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Strauss; West Africa Expedition, the: 1

Streeter, D.D.

25 May 1912: Algeria: Sidi Okba: USNM: 33 [33 - **33** - **33**].

Total Specimens for Streeter, D.D.: 33

Streeter, F.

Collection Date Unknown: South Africa: Farm Hectorspruit: TM: 1 [1] - Hectorspruit: TM: 2 [2 - **3** - **3**].
7 February 1910: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
7 March 1910: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
19 March 1910: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
22 May 1911: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
10 December 1911: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
19 April 1913: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
17 October 1913: South Africa: Hectorspruit: TM: 1 [1 - **1** - **1**].
1 June 1915: South Africa: Malensons Shingwidzi Game Reserve: TM: 1 [1 - **1** - **1**].
23 December 1918: South Africa: Shingwedzi camp: TM: 1 [1] - Shingwidzi Game Reserve: TM: 1 [1 - **2** - **2**].
6 February 1919: South Africa: Shingwedzi camp: TM: 1 [1 - **1** - **1**].
3 July 1920: South Africa: Farm Nakaetsi 376: TM: 1 [1 - **1** - **1**].
17 July 1920: South Africa: Farm Duiwelskloof 376 [=Mokeetsi]: TM: 1 [1 - **1** - **1**].
16 September 1921: South Africa: Farm Duiwelskloof 376 [=Mokeetsi]: TM: 4 [4 - **4** - **4**].
24 February 1922: South Africa: Farm Nakaetsi 376: TM: 1 [1 - **1** - **1**].
24 March 1922: South Africa: Farm Duiwelskloof 376 [=Mokeetsi]: TM: 1 [1 - **1** - **1**].
28 March 1922: South Africa: Moketsi: TM: 1 [1 - **1** - **1**].
25 September 1923: Zimbabwe: Silinda, mount: TM: 1 [1 - **1** - **1**].

Total Specimens for Streeter, F.: 24

Streeter, J.

27 March 1908: South Africa: Farm Hectorspruit: TM: 1 [1 - **1** - **1**].
22 December 1909: South Africa: Farm Hectorspruit: TM: 1 [1 - **1** - **1**].
7 February 1911: South Africa: Farm Hectorspruit: TM: 1 [1 - **1** - **1**].
9 February 1911: South Africa: Farm Hectorspruit: TM: 4 [4 - **4** - **4**].
17 September 1911: South Africa: Farm Hectorspruit: TM: 1 [1 - **1** - **1**].
18 September 1911: South Africa: Farm Hectorspruit: TM: 1 [1 - **1** - **1**].
15 October 1913: South Africa: Farm Hectorspruit: TM: 4 [4 - **4** - **4**].
16 October 1913: South Africa: Farm Hectorspruit: TM: 1 [1 - **1** - **1**].
3 May 1920: South Africa: Birthday Goldmine: TM: 1 [1 - **1** - **1**].
22 September 1923: Zimbabwe: Selenda, mount: TM: 1 [1 - **1** - **1**].

Total Specimens for Streeter, J.: 16

Strickland

Collection Date Unknown: Cameroon: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Strickland: 1

Strinati, Pierre

17 August 1951: Algeria: Ténès: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Strinati, Pierre: 1

Strinati, Pierre; Aellen, Villy

Collection Date Unknown: Morocco: Ras el Oued, cave: MHNG: 1 [1 - **1** - **1**].
5 September 1950: Morocco: Rasel Oued cave: AMNH: 1 [1 - **1** - **1**].
4 August 1957: Gabon: N'Dumbu cave: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Strinati, Pierre; Aellen, Villy: 3

Struhsaker, Thomas T.
(1938 -)

13 May 1964: Kenya: Ol Tukai lodge: MSU: 2 [2 - **2** - **2**].
17 May 1964: Kenya: Ol Tukai lodge: MSU: 3 [3 - **3** - **3**].
7 June 1964: Kenya: Ol Tukai lodge: MSU: 1 [1 - **1** - **1**].

Total Specimens for Struhsaker, Thomas T.: 6

Strunck

Collection Date Unknown: Cameroon: Unknown locality: ZMB: 1 [1] - Victoria: ZMB: 2 [2 - **3** - **3**].

Total Specimens for Strunck: 3

Strydom, G.

5 December 1991: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].

Total Specimens for Strydom, G.: 1

Stuart Irwin, M.P.

16 August 1958: Zimbabwe: Ingwesi Ranch: HZM: 1 [1 - **1** - **1**].

Total Specimens for Stuart Irwin, M.P.: 1

Stuart, C.T.

4 May 1986: South Africa: Levuvhu River, opposite Shilawee stream: TM: 2 [2 - **2** - **2**].
4 September 1986: South Africa: Elim hospital: TM: 1 [1 - **1** - **1**].
4 November 1986: South Africa: Elim hospital: TM: 1 [1 - **1** - **1**].

Total Specimens for Stuart, C.T.: 4

Stuart, S.N.

17 September 1981: Tanzania: Morogoro region: SMF: 1 [1] - Mwanihana Forest Reserve: SMF: 1 [1 - **2** - **2**].

Total Specimens for Stuart, S.N.: 2

Stubbefield, L.; Howell, Kim M.

10 December 1992: Tanzania: Kisiju island: SMF: 2 [2 - **2** - **2**].

Total Specimens for Stubbefield, L.; Howell, Kim M.: 2

Stubblefield, L.

25 February 1992: Tanzania: Amboni Cave Forest: SMF: 1 [1 - **1** - **1**].
27 February 1992: Tanzania: Amboni Cave Forest: SMF: 1 [1 - **1** - **1**].

Total Specimens for Stubblefield, L.: 2

Stubblefield, L.; Frontier-Project, the

Collection Date Unknown: Tanzania: Unknown locality: SMF: 1 [1 - **1** - **1**].
15 August 1992: Tanzania: Tong'omba Forest Reserve: SMF: 1 [1 - **1** - **1**].

Total Specimens for Stubblefield, L.; Frontier-Project, the: 2

Stuhlmann, Franz Ludwig
(1863 -)

Collection Date Unknown: "Africa": Kirimba: ZMB: 1 [1 - **1**].
Congo (Democratic Republic of the): Kasaka: ZMB: 2 [2 - **2**].
Egypt: Cairo: ZMH: 1 [1 - **1**].
Kenya: Ushindo [=Ushingo]: ZMB: 1 [1 - **1**].
Mozambique: Quilimane: ZMH: 1 [1 - **1**].
Tanzania: Dar es Salaam: ZMB: 9 [9] - Morogoro: ZMB: 1 [1] - Vikindo [forest]: ZMB: 8 [8] - Zanzibar: ZMB: 2 [2 - **20** - **26**].
1 March 1891: Egypt: Cairo, 20 km S: ZMH: 1 [1 - **1** - **1**].
11 January 1894: Tanzania: Vikindo [forest]: ZMB: 1 [1 - **1** - **1**].
19 January 1894: Tanzania: Ushindo: ZMB: 1 [1 - **1** - **1**].
3 June 1989: Egypt: Cairo, 20 km S: ZMH: 1 [1 - **1** - **1**].

Total Specimens for Stuhlmann, Franz Ludwig: 30

Styczynski

6 April 1913: Congo (Democratic Republic of the): Boma: RMCA: 1 [1 - **1** - **1**].
3 September 1913: Congo (Democratic Republic of the): Boma: RMCA: 1 [1 - **1** - **1**].
7 October 1913: Congo (Democratic Republic of the): Boma: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Styczynski: 4

Sutton, J.

23 June 1973: Kenya: Kinna: ROM: 4 [4 - **4** - **4**].
24 June 1973: Kenya: Kinna: ROM: 4 [4 - **4** - **4**].
25 June 1973: Kenya: Kinna: ROM: 4 [4 - **4** - **4**].
26 June 1973: Kenya: Kinna: ROM: 2 [2 - **2** - **2**].
27 June 1973: Kenya: Benane: ROM: 2 [2 - **2** - **2**].
28 June 1973: Kenya: Benane: ROM: 3 [3 - **3** - **3**].
29 June 1973: Kenya: Benane: ROM: 1 [1 - **1** - **1**].
6 July 1973: Kenya: Magadi: ROM: 3 [3 - **3** - **3**].
8 July 1973: Kenya: Magadi: ROM: 3 [3 - **3** - **3**].
10 July 1973: Kenya: Magadi: ROM: 2 [2 - **2** - **2**].
19 July 1973: Kenya: Ngaranyiru: ROM: 3 [3 - **3** - **3**].
22 July 1973: Kenya: Ngaranyiru: ROM: 1 [1 - **1** - **1**].
23 July 1973: Kenya: Ngaranyiru: ROM: 3 [3 - **3** - **3**].
24 July 1973: Kenya: Ngaranyiru: ROM: 4 [4 - **4** - **4**].

Total Specimens for Sutton, J.: 39

Sutton, J.; Archer, T.

27 February 1974: South Sudan: Tonj: ROM: 6 [6 - **6** - **6**].
2 March 1974: South Sudan: Tonj: ROM: 1 [1 - **1**].
Sudan: Wanalerel: ROM: 1 [1 - **1** - **2**].
3 March 1974: South Sudan: Tonj: ROM: 4 [4 - **4** - **4**].
4 March 1974: South Sudan: Tonj: ROM: 5 [5 - **5** - **5**].
5 March 1974: South Sudan: Tonj: ROM: 2 [2 - **2** - **2**].
15 March 1974: South Sudan: Yambio: ROM: 7 [7 - **7** - **7**].
16 March 1974: South Sudan: Yambio: ROM: 3 [3 - **3** - **3**].
20 March 1974: South Sudan: Yambio: ROM: 1 [1 - **1** - **1**].
21 March 1974: South Sudan: Yambio: ROM: 3 [3 - **3** - **3**].
22 March 1974: South Sudan: Yambio: ROM: 5 [5 - **5** - **5**].
23 March 1974: South Sudan: Yambio: ROM: 1 [1 - **1** - **1**].

Total Specimens for Sutton, J.; Archer, T.: 39

Svepel

Collection Date Unknown: Rwanda: Gakoma: ZMZ: 1 [1 - **1** - **1**].
22 June 1964: Congo (Democratic Republic of the): Lwiro: ZMZ: 1 [1 - **1** - **1**].
10 July 1964: Congo (Democratic Republic of the): Lwiro: ZMZ: 1 [1 - **1** - **1**].
14 July 1964: Congo (Democratic Republic of the): Ibebero: ZMZ: 1 [1] - Lwiro: ZMZ: 2 [2 - **3** - **3**].
15 July 1964: Congo (Democratic Republic of the): Lwiro: ZMZ: 1 [1 - **1** - **1**].
17 July 1964: Congo (Democratic Republic of the): Lwiro: ZMZ: 1 [1 - **1** - **1**].
20 September 1964: Rwanda: Gakoma: ZMZ: 1 [1 - **1** - **1**].
21 September 1964: Rwanda: Gakoma: ZMZ: 1 [1 - **1** - **1**].
27 September 1964: Rwanda: Gakoma: ZMZ: 1 [1 - **1** - **1**].
28 September 1964: Rwanda: Gakoma: ZMZ: 2 [2 - **2** - **2**].
4 November 1964: Rwanda: Mimuli: ZMZ: 1 [1 - **1** - **1**].

5 November 1964: Rwanda: Mimuli: ZMZ: 1 [1 - **1** - **1**].
6 November 1964: Rwanda: Mimuli: ZMZ: 1 [1 - **1** - **1**].
10 November 1964: Rwanda: Mimuli: ZMZ: 2 [2 - **2** - **2**].
27 November 1964: Congo (Democratic Republic of the): Lwiro: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for Svepel: 19

Swanepoel, Pierre

Collection Date Unknown: South Africa: Unknown locality: TTU: 2 [2 - **2** - **2**].
22 October 1982: Namibia: Farm Geduld 111: KM: 1 [1 - **1** - **1**].
23 October 1982: Namibia: Farm Musterland 113: KM: 1 [1 - **1** - **1**].
26 October 1982: Namibia: Farm Otjitambi 25: KM: 6 [6 - **6** - **6**].
27 October 1982: Namibia: Farm Otjitambi 25: KM: 3 [3 - **3** - **3**].
28 October 1982: Namibia: Farm Otjitambi 25: KM: 13 [13 - **13** - **13**].
2 November 1982: Namibia: Farm Schwarzerfels 33: KM: 1 [1 - **1** - **1**].
3 November 1982: Namibia: Farm Schwarzerfels 33: KM: 3 [3 - **3** - **3**].
5 November 1982: Namibia: Farm Ombarahewa 22: KM: 1 [1 - **1** - **1**].
9 May 1983: Namibia: Farm Opelo Sud 39: KM: 2 [2 - **2** - **2**].
10 May 1983: Namibia: Farm Opelo Sud 39: KM: 1 [1 - **1** - **1**].
11 May 1983: Namibia: Farm Opelo Sud 39: KM: 1 [1 - **1** - **1**].
13 May 1983: Namibia: Farm Opelo Sud 39: KM: 1 [1 - **1** - **1**].

Total Specimens for Swanepoel, Pierre: 36

Swanepoel, Pierre; Wingate, Lloyd R.

26 April 1979: South Africa: Bat's Cave: ZMA: 4 [4 - **4** - **4**].

Total Specimens for Swanepoel, Pierre; Wingate, Lloyd R.: 4

Swanepoel, Robert (Bob)

24 January 1996: Congo (Democratic Republic of the): Mwebe bridge: TM: 4 [4 - **4** - **4**].
25 January 1996: Congo (Democratic Republic of the): Kikwit: TM: 3 [3] - Menga: TM: 2 [2 - **5** - **5**].
28 January 1996: Congo (Democratic Republic of the): Kikwit: TM: 1 [1 - **1** - **1**].
14 May 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 4 [4 - **4** - **4**].
17 May 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 46 [46 - **46** - **46**].
18 May 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 22 [22 - **22** - **22**].
19 May 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 52 [52 - **52** - **52**].
18 October 1999: Congo (Democratic Republic of the): Geology House: TM: 1 [1 - **1** - **1**].
19 October 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 14 [14 - **14** - **14**].
20 October 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 35 [35 - **35** - **35**].
21 October 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 37 [37 - **37** - **37**].
22 October 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 69 [69 - **69** - **69**].
23 October 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 44 [44 - **44** - **44**].
24 October 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 53 [53 - **53** - **53**].
25 October 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 50 [50 - **50** - **50**].
27 October 1999: Congo (Democratic Republic of the): Goroumbwa Mine: TM: 78 [78 - **78** - **78**].

Total Specimens for Swanepoel, Robert (Bob): 515

Swart, D.

23 June 1969: South Africa: N'Waswitshaka Experimental Burn Plots: KNP: 1 [1 - **1** - **1**].

Total Specimens for Swart, D.: 1

Swart, J.

26 March 1979: South Africa: Phalaborwa Staff Village: KNP: 2 [2 - **2** - **2**].

Total Specimens for Swart, J.: 2

Swaythling, Ld.

Collection Date Unknown: Tanzania: Dar es Salaam: BMNH: 1 [1] - Morogoro: BMNH: 1 [1] - Tabora: BMNH: 1 [1 - **3** - **3**].

Total Specimens for Swaythling, Ld.: 3

Sweet, Paul R.

9 June 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].
11 June 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 2 [2 - **2** - **2**].
13 June 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 3 [3 - **3** - **3**].

14 June 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
15 June 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].
26 June 1998: Central African Republic: Dzanga-Sangha Forest Reserve: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Sweet, Paul R.: 10

Swin

1 April 1959: Nigeria: Sokoto: HZM: 1 [1 - **1** - **1**].

Total Specimens for Swin: 1

Swinny, H.H.

Collection Date Unknown: South Africa: Port St. Johns: TM: 6 [6 - **6**].
Tanzania: Chuaka: BMNH: 1 [1 - **1** - **7**].
22 February 1908: South Africa: Ngqeleni District: TM: 1 [1 - **1** - **1**].
23 February 1908: South Africa: Ngqeleni District: TM: 1 [1 - **1** - **1**].
20 April 1908: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
5 March 1909: South Africa: Port St Johns: TM: 1 [1 - **1** - **1**].
21 March 1909: South Africa: Port St Johns: TM: 1 [1 - **1** - **1**].
5 January 1910: South Africa: Port St Johns: TM: 1 [1 - **1** - **1**].
11 February 1910: South Africa: Port St Johns: TM: 1 [1 - **1** - **1**].
24 March 1910: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
26 February 1911: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
30 April 1911: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
12 June 1911: South Africa: Port St. Johns: TM: 2 [2 - **2** - **2**].
23 June 1911: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
27 April 1936: South Africa: Port St. Johns: TM: 1 [1 - **1** - **1**].
30 April 1936: South Africa: Port St Johns: TM: 1 [1] - Port St. Johns: TM: 1 [1 - **2** - **2**].

Total Specimens for Swinny, H.H.: 23

Swire, Pamela

7 October 1958: Nigeria: Sokoto: HZM: 1 [1 - **1** - **1**].
13 October 1958: Nigeria: Sokoto: HZM: 1 [1 - **1** - **1**].
1 November 1958: Nigeria: Sokoto: HZM: 1 [1 - **1** - **1**].

Total Specimens for Swire, Pamela: 3

Swoboda

23 September 1886: Sierra Leone: Freetown: NMW: 1 [1 - **1** - **1**].

Total Specimens for Swoboda: 1

Swynnerton, G.H.

13 September 1948: Tanzania: Banagi: BMNH: 2 [2 - **2** - **2**].
23 September 1952: Tanzania: Kilindoni: BMNH: 1 [1 - **1** - **1**].
25 September 1952: Tanzania: Kilindoni: BMNH: 3 [3 - **3** - **3**].
27 September 1952: Tanzania: Ngombeni: CAWM: 1 [1 - **1** - **1**].
10 October 1952: Tanzania: Kua: BMNH: 3 [3 - **3** - **3**].
2 November 1952: Tanzania: Trina: AMNH: 1 [1 - **1** - **1**].
18 January 1953: Tanzania: Ngaruka: AMNH: 1 [1 - **1** - **1**].
31 January 1953: Tanzania: Banagi: BMNH: 1 [1 - **1** - **1**].
2 February 1953: Tanzania: Kampi Ya Mawe: BMNH: 4 [4 - **4** - **4**].
16 February 1953: Tanzania: Karugu: BMNH: 4 [4 - **4** - **4**].
21 February 1953: Tanzania: Bukova T.T.: AMNH: 2 [2 - **2** - **2**].
23 March 1953: Tanzania: Tenguru: BMNH: 1 [1 - **1** - **1**].
20 July 1953: Tanzania: Tengeru: AMNH: 1 [1 - **1** - **1**].
12 February 1954: Tanzania: Liwale T.T.: AMNH: 1 [1 - **1** - **1**].
28 March 1954: Tanzania: Liwale T.T.: AMNH: 1 [1 - **1** - **1**].
26 April 1954: Tanzania: Mto wa Mbu: AMNH: 1 [1 - **1** - **1**].
1 May 1954: Tanzania: Kilwa T.T.: AMNH: 2 [2 - **2** - **2**].
8 January 1955: Tanzania: Engaruka: SMF: 1 [1 - **1** - **1**].
17 April 1956: Tanzania: Mbeya Township: AMNH: 5 [5] - Nyamirembe: AMNH: 1 [1 - **6** - **6**].

Total Specimens for Swynnerton, G.H.: 37

Swynnerton, G.H.; Brooks

27 January 1953: Tanzania: Liwale: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Swynnerton, G.H.; Brooks: 1

Symons, R.E.

10 August 1925: Angola: Giante's Castle: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Symons, R.E.: 1

Szántó, E.

1 July 1906: Ethiopia: Harar: NMW: 1 [1 - **1** - **1**].

Total Specimens for Szántó, E.: 1

Szunyoghy, J.

Collection Date Unknown: Tanzania: Unknown locality: HNHM: 1 [1] - Arusha: HNHM: 12 [12 - **13** - **13**].
19 April 1965: Tanzania: Makoa Caves: HNHM: 13 [13 - **13** - **13**].

Total Specimens for Szunyoghy, J.: 26

Szunyoghy, J.; Sáska, G.

Collection Date Unknown: Tanzania: Arusha: HNHM: 5 [5 - **5** - **5**].

Total Specimens for Szunyoghy, J.; Sáska, G.: 5

Tait, H.

Collection Date Unknown: Zambia: Kasama: NHMZ: 1 [1 - **1** - **1**].
28 February 1966: Zambia: Natural Resources Development College: NMZL: 1 [1 - **1** - **1**].

Total Specimens for Tait, H.: 2

Takata, Steve

4 April 1996: Kenya: Mpala Research Center: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Takata, Steve: 1

Talbot, P.A.

Collection Date Unknown: Nigeria: Kwa River: BMNH: 1 [1] - Oban: BMNH: 2 [2 - **3** - **3**].

Total Specimens for Talbot, P.A.: 3

Talloen

Collection Date Unknown: "Africa": Unknown locality: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Talloen: 1

Tate, George Henry Hamilton
(1894: London - 24 December 1953)

15 September 1939: Cameroon: Bipindi: AMNH: 1 [1 - **1** - **1**].
22 September 1939: Cameroon: Bipindi: AMNH: 1 [1 - **1** - **1**].
26 September 1939: Cameroon: Bipindi: AMNH: 2 [2 - **2** - **2**].
1 October 1939: Cameroon: Bipindi: AMNH: 1 [1 - **1** - **1**].
28 June 1940: Liberia: Duside Plantation: AMNH: 3 [3 - **3** - **3**].
30 June 1940: Liberia: Duside Plantation: AMNH: 1 [1 - **1** - **1**].
7 August 1940: Liberia: Duside Plantation: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Tate, George Henry Hamilton: 10

Tattersall, Ian
(1945: England -)

1 November 1978: Egypt: Denderah Temple: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Tattersall, Ian: 2

Taubert; Chodat

1 January 1918: Libya: Tripoli: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Taubert; Chodat: 1

Taufflieb, R.

Collection Date Unknown: Senegal: Unknown locality: MNHN: 5 [5 - **5** - **5**].
25 May 1960: Congo: Kila N'Tari cave: MNHN: 1 [1 - **1** - **1**].
1 July 1961: Congo: Meya-Nzouari,cave: MHNG: 1 [1 - **1** - **1**].
1 January 1963: Central African Republic: Unknown locality: MNHN: 1 [1 - **1** - **1**].
20 June 1964: Congo: Brazzaville: MHNG: 1 [1] - Loudima cave: MHNG: 2 [2 - **3** - **3**].
2 September 1964: Congo: Loudima cave: ZMA: 2 [2 - **2** - **2**].
11 November 1965: Senegal: Bandia: MHNG: 2 [2 - **2** - **2**].
29 December 1965: Senegal: N'Goyé: MHNG: 1 [1 - **1** - **1**].
28 April 1966: Senegal: Saboya: MHNG: 1 [1 - **1** - **1**].
9 May 1966: Senegal: Saboya: MHNG: 2 [2 - **2** - **2**].

Total Specimens for Taufflieb, R.: 19

Taylor, Edward Harrison
(23 April 1889: Maysville - 1978)

29 October 1964: Liberia: Harbel: KU: 1 [1 - **1** - **1**].
1 July 1968: Liberia: Harbel: KU: 1 [1 - **1** - **1**].

Total Specimens for Taylor, Edward Harrison: 2

Taylor, I.

Collection Date Unknown: Ghana: unspecified locality: WAM: 1 [1 - **1** - **1**].
1 August 1969: Ghana: Accra: WAM: 2 [2 - **2** - **2**].
3 September 1969: Ghana: Unknown locality: WAM: 1 [1 - **1** - **1**].

Total Specimens for Taylor, I.: 4

Taylor, K.D.

Collection Date Unknown: Nigeria: Ibadan: BMNH: 2 [2 - **2** - **2**].
17 June 1961: Nigeria: Ibadan: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Taylor, K.D.: 3

Taylor, Peter John

Collection Date Unknown: South Africa: Durban: HNHM: 1 [1 - **1** - **1**].
24 January 1992: South Africa: Garden Castle Nature Reserve: DNSM: 2 [2 - **2** - **2**].
22 January 1994: South Africa: Shongweni Resources Reserve: DNSM: 3 [3 - **3** - **3**].
1 April 1995: South Africa: Kamberg Nature Reserve: DNSM: 1 [1 - **1** - **1**].
9 October 1995: South Africa: Kumsinga Hide: DNSM: 1 [1 - **1** - **1**].
11 November 1997: South Africa: Durban: DNSM: 1 [1 - **1** - **1**].
17 March 2000: South Africa: Spionkop Lodge: DNSM: 4 [4 - **4** - **4**].
30 September 2000: South Africa: Mount Edgecombe: HNHM: 2 [2 - **2** - **2**].
3 March 2001: South Africa: Insizwe Mine: DNSM: 1 [1 - **1** - **1**].
30 November 2002: South Africa: Umbogontwini Nature Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Taylor, Peter John: 17

Taylor, Peter John; *et al.*

Collection Date Unknown: South Africa: Melmoth: DNSM: 1 [1 - **1** - **1**].
10 August 1995: South Africa: Bube pan: DNSM: 7 [7 - **7** - **7**].
11 August 1995: South Africa: Bube pan: DNSM: 2 [2] - Ghost Mountain: DNSM: 2 [2 - **4** - **4**].
12 August 1995: South Africa: Bube pan: DNSM: 4 [4] - Msinga Hide: DNSM: 2 [2 - **6** - **6**].
13 August 1995: South Africa: Msinga Hide: DNSM: 4 [4 - **4** - **4**].
14 August 1995: South Africa: Pongolapoort Dam: DNSM: 11 [11 - **11** - **11**].
28 June 2000: South Africa: Hells Gate Military Base: HNHM: 6 [6 - **6** - **6**].

14 May 2005: South Africa: Fort Yellond Farm: DNSM: 3 [3] - Melmoth: DNSM: 3 [3 - **6** - **6**].

Total Specimens for Taylor, Peter John; *et al.*: 45

Taylor, Peter John; Jacobs, David S.; *et al.*

28 November 1997: South Africa: Pongolapoort Dam: DNSM: 6 [6 - **6** - **6**].
29 November 1997: South Africa: Mpalane Lodge: DNSM: 5 [5 - **5** - **5**].
30 November 1997: South Africa: Pongola River Bridge, on Jozini - Kosi Road: DNSM: 5 [5 - **5** - **5**].
1 December 1997: South Africa: Pongola River Bridge, on Jozini - Kosi Road: DNSM: 13 [13 - **13** - **13**].

Total Specimens for Taylor, Peter John; Jacobs, David S.; *et al.*: 29

Taylor, Peter John; Kearney, Teresa Catherine

5 May 1995: South Africa: Pietermaritzburg: DNSM: 2 [2 - **2** - **2**].
10 May 1995: South Africa: Umhlanga Rocks: DNSM: 4 [4 - **4** - **4**].
7 June 1995: South Africa: Melmoth: DNSM: 1 [1] - Mooiplaas, SAPPI: DNSM: 7 [7 - **8** - **8**].
1 October 1995: South Africa: Tembe Elephant Park: DNSM: 4 [4 - **4** - **4**].
30 August 1996: South Africa: Mountain Lakes Adventure Campsite: DNSM: 4 [4 - **4** - **4**].
31 August 1996: South Africa: Jozini Dam: DNSM: 2 [2] - Pongolapoort Dam: DNSM: 2 [2 - **4** - **4**].
17 March 1997: South Africa: Jonkershoek Nature Reserve: DNSM: 4 [4 - **4** - **4**].
19 March 1997: South Africa: Farm Kersefontein [=Berg River]: DNSM: 2 [2 - **2** - **2**].
5 September 1998: South Africa: Eshowe: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Taylor, Peter John; Kearney, Teresa Catherine: 33

Taylor, Peter John; Kearney, Teresa Catherine; Mari

18 April 1995: South Africa: Bonamanzi Game Reserve: DNSM: 11 [11 - **11** - **11**].
19 April 1995: South Africa: Mission Rocks Bat Cave: DNSM: 7 [7 - **7** - **7**].

Total Specimens for Taylor, Peter John; Kearney, Teresa Catherine; Mari: 18

Taylor, Peter John; Rahman

4 August 1999: South Africa: Albert Falls Nature Reserve: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Taylor, Peter John; Rahman: 1

Taylor, Peter John; White, Wendy

12 August 2003: South Africa: Mantuma Camp: DNSM: 1 [1 - **1** - **1**].
15 April 2004: South Africa: Nkandla Forest Reserve: DNSM: 2 [2 - **2** - **2**].

Total Specimens for Taylor, Peter John; White, Wendy: 3

Taylor, R.H.

18 November 1961: Zambia: Sikongo: FMNH: 1 [1 - **1** - **1**].
5 December 1961: Zambia: Sihole: FMNH: 1 [1 - **1** - **1**].
4 April 1965: Tanzania: Amani: TM: 1 [1 - **1** - **1**].
8 June 1965: Tanzania: Mkomazi: PSM: 1 [1 - **1** - **1**].
19 July 1965: Tanzania: Ambani caves: TM: 3 [3 - **3** - **3**].

Total Specimens for Taylor, R.H.: 7

Telford, Steve

Collection Date Unknown: Tanzania: Unknown locality: RMCA: 2 [2 - **2** - **2**].
1 January 1981: Tanzania: Morogoro: RMCA: 1 [1 - **1** - **1**].
28 August 1981: Tanzania: Morogoro: RMCA: 1 [1 - **1** - **1**].
27 September 1981: Tanzania: Morogoro: RMCA: 2 [2 - **2** - **2**].
27 December 1981: Tanzania: Morogoro: RMCA: 2 [2 - **2** - **2**].
22 September 1982: Tanzania: Morningside: RMCA: 3 [3 - **3** - **3**].
24 September 1982: Tanzania: Msongozi: RMCA: 1 [1 - **1** - **1**].
29 September 1982: Tanzania: Amani: RMCA: 1 [1 - **1** - **1**].
30 September 1982: Tanzania: Amani: RMCA: 2 [2] - Amani Chemka: RMCA: 2 [2 - **4** - **4**].
1 October 1982: Tanzania: Morogoro: RMCA: 1 [1 - **1** - **1**].
1 April 1983: Tanzania: Morogoro: RMCA: 1 [1 - **1** - **1**].
10 May 1983: Tanzania: Morogoro: RMCA: 1 [1 - **1** - **1**].
17 September 1983: Tanzania: Uluguru mountains: RMCA: 1 [1 - **1** - **1**].
24 February 1984: Tanzania: Mgudeni: RMCA: 4 [4 - **4** - **4**].
11 July 1984: Tanzania: Morogoro: RMCA: 1 [1 - **1** - **1**].

17 September 1985: Tanzania: Uluguru mountains: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Telford, Steve: 27

Tembo, I.

22 January 1979: South Africa: Langebaanweg, Chemfos mine: SAMC: 1 [1 - **1** - **1**].

Total Specimens for Tembo, I.: 1

Temple, A.M.G.

1 August 1963: Kenya: Hoey's bridge: WAM: 1 [1 - **1** - **1**].
7 April 1964: Kenya: Kitale: WAM: 1 [1 - **1** - **1**].
25 May 1964: Kenya: Cherangani Hills: WAM: 1 [1 - **1** - **1**].
1 July 1965: Kenya: Cherangani Hills: WAM: 1 [1 - **1** - **1**].

Total Specimens for Temple, A.M.G.: 4

Temple, Alexander

11 March 1964: Kenya: Cherangani Hills: WNMU: 1 [1 - **1** - **1**].

Total Specimens for Temple, Alexander: 1

Terlingen, Robert

13 November 1973: South Africa: Bryanston, 883 Lowndees Road: TM: 1 [1 - **1** - **1**].

Total Specimens for Terlingen, Robert: 1

Tessmann

Collection Date Unknown: Cameroon: Bafia area: ZMB: 1 [1] - Bebai: ZMB: 2 [2 - **3**].
Central African Republic: Buar: ZMB: 1 [1] - Uam: ZMB: 8 [8 - **9**].
Equatorial Guinea: Nkolentangan: ZMB: 2 [2 - **2**].
Ghana: Kojali Bach: ZMB: 1 [1 - **1** - **15**].

Total Specimens for Tessmann: 15

Teugels, Guy G.

28 August 1985: Côte d'Ivoire: Niakaramandougou: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Teugels, Guy G.: 1

The Mines, L.; Smith, D.

4 March 1932: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].

Total Specimens for The Mines, L.; Smith, D.: 1

Thelie

Collection Date Unknown: Congo (Democratic Republic of the): Kilo [mines]: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Thelie: 1

Thellon, M.

Collection Date Unknown: "Africa": "Congo": MNHN: 2 [2 - **2** - **2**].

Total Specimens for Thellon, M.: 2

Théoneste

1 January 1985: Rwanda: Ruboma Ruhashya: RMCA: 1 [1] - Rubona: RMCA: 3 [3 - **4** - **4**].
5 February 1985: Rwanda: Mugogwe: RMCA: 22 [22 - **22** - **22**].
7 February 1985: Rwanda: Gafumba: RMCA: 60 [60] - Gafumba Musuga: RMCA: 1 [1 - **61** - **61**].
1 March 1985: Rwanda: Butare: RMCA: 8 [8 - **8** - **8**].
8 April 1985: Rwanda: Cyili: RMCA: 10 [10 - **10** - **10**].
13 April 1985: Rwanda: Cyili: RMCA: 9 [9 - **9** - **9**].
21 April 1985: Rwanda: Cyili: RMCA: 6 [6] - Cyili Ntyano: RMCA: 1 [1 - **7** - **7**].

2 May 1985: Rwanda: Cyili: RMCA: 11 [11] - Cyili Ntyano: RMCA: 1 [1 - **12** - **12**].

Total Specimens for Théoneste: 133

Theunissen

Collection Date Unknown: Congo (Democratic Republic of the): Kalina: RMCA: 6 [6 - **6** - **6**].

Total Specimens for Theunissen: 6

Thewys, G.

Collection Date Unknown: Morocco: Unknown locality: RMNH: 2 [2 - **2** - **2**].

Total Specimens for Thewys, G.: 2

Thibault, Gustave

20 July 1906: Seychelles: Aldabra: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Thibault, Gustave: 1

Thierry, Gaston
(1866 - 1904)

Collection Date Unknown: Congo (Democratic Republic of the): Gandu: ZMB: 1 [1 - **1**].
Togo: Mango: ZMB: 2 [2 - **2** - **3**].

Total Specimens for Thierry, Gaston: 3

Thollon

Collection Date Unknown: Congo: Dimonika: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Thollon: 1

Thomas

Collection Date Unknown: Kenya: Takaungu: ZMB: 6 [6 - **6** - **6**].
21 August 1979: Côte d'Ivoire: Foro Foro: HZM: 2 [2 - **2** - **2**].

Total Specimens for Thomas: 8

Thomas, D.

Collection Date Unknown: Côte d'Ivoire: Unknown locality: ROM: 3 [3] - Ouangofétini: ROM: 7 [7 - **10** - **10**].
23 August 1979: Côte d'Ivoire: Ouangofétini: ROM: 4 [4 - **4** - **4**].
1 February 1980: Côte d'Ivoire: Lamto: ROM: 2 [2 - **2** - **2**].

Total Specimens for Thomas, D.: 16

Thomas, Felix

23 April 1903: Kenya: Nairobi: NMW: 1 [1 - **1** - **1**].

Total Specimens for Thomas, Felix: 1

Thomasset, H.P.

28 February 1907: Seychelles: Cascade Estate: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Thomasset, H.P.: 1

Thys Van den Audenaerde, Dirk

Collection Date Unknown: Cameroon: Ekongolo Sanaga: RMCA: 1 [1 - **1** - **1**].
1 June 1960: Congo (Democratic Republic of the): Kipopo: RMCA: 1 [1 - **1** - **1**].
22 September 1964: Cameroon: Mbalmayo: RMCA: 1 [1 - **1** - **1**].
15 November 1964: Gabon: Lambarene: RMCA: 2 [2 - **2** - **2**].
12 October 1966: Benin: Whedda: RMCA: 7 [7 - **7** - **7**].
11 April 1969: Sierra Leone: Njala Taja River: RMCA: 1 [1 - **1** - **1**].
13 April 1969: Sierra Leone: Njala Taja River: RMCA: 1 [1 - **1** - **1**].
3 May 1969: Liberia: Bendu: RMCA: 1 [1 - **1** - **1**].
6 May 1969: Liberia: Gwene Town: RMCA: 1 [1 - **1** - **1**].

14 May 1969: Liberia: Coffee, Mount: RMCA: 1 [1 - **1** - **1**].
30 March 1973: Cameroon: Ebogo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Thys Van den Audenaerde, Dirk: 18

Thys Van den Audenaerde, Dirk; Opdenbosch, Armand

Collection Date Unknown: Togo: Korrekope: RMCA: 1 [1 - **1** - **1**].
1 January 1970: Cameroon: Unknown locality: RMCA: 1 [1] - Tonde: RMCA: 1 [1 - **2** - **2**].
12 March 1970: Togo: Korrekope: RMCA: 4 [4 - **4** - **4**].
4 April 1970: Cameroon: Tonde: RMCA: 1 [1 - **1** - **1**].
11 April 1970: Cameroon: Melen: RMCA: 1 [1 - **1** - **1**].
15 April 1970: Cameroon: Yabassi: RMCA: 3 [3 - **3** - **3**].
18 April 1970: Cameroon: Yabassi: RMCA: 1 [1 - **1** - **1**].
24 April 1970: Cameroon: Mamfe: RMCA: 3 [3 - **3** - **3**].
1 May 1970: Cameroon: Bélabo: RMCA: 1 [1 - **1** - **1**].
3 May 1970: Cameroon: Dokoa: RMCA: 4 [4 - **4** - **4**].
6 May 1970: Cameroon: Dokoa: RMCA: 2 [2 - **2** - **2**].
9 May 1970: Cameroon: Nachtigal: RMCA: 8 [8 - **8** - **8**].
11 May 1970: Cameroon: Nachtigal: RMCA: 12 [12 - **12** - **12**].
12 May 1970: Cameroon: Nachtigal: RMCA: 18 [18 - **18** - **18**].
20 May 1970: Cameroon: Ebogo: RMCA: 2 [2 - **2** - **2**].
26 May 1970: Cameroon: Ebogo: RMCA: 8 [8 - **8** - **8**].

Total Specimens for Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: 71

Thys Van den Audenaerde, Dirk; Petiniot

16 May 1973: Niger: Agadem: RMCA: 21 [21 - **21** - **21**].

Total Specimens for Thys Van den Audenaerde, Dirk; Petiniot: 21

Thys Van den Audenaerde, Dirk; Robbins

14 March 1973: Cameroon: Mbakaou: RMCA: 6 [6 - **6** - **6**].
16 March 1973: Cameroon: Mbakaou: RMCA: 11 [11 - **11** - **11**].
17 March 1973: Cameroon: Mbakaou: RMCA: 3 [3 - **3** - **3**].
18 March 1973: Cameroon: Alen: RMCA: 2 [2] - Mbakaou: RMCA: 7 [7 - **9** - **9**].
19 March 1973: Cameroon: Alen: RMCA: 3 [3 - **3** - **3**].
20 March 1973: Cameroon: Alen: RMCA: 2 [2 - **2** - **2**].
21 March 1973: Cameroon: Alen: RMCA: 3 [3 - **3** - **3**].
23 March 1973: Cameroon: Meyo Nkoulou: RMCA: 3 [3 - **3** - **3**].
24 March 1973: Cameroon: Meyo Nkoulou: RMCA: 21 [21 - **21** - **21**].
25 March 1973: Cameroon: Meyo Nkoulou: RMCA: 9 [9 - **9** - **9**].
27 March 1973: Cameroon: Meyo Nkoulou: RMCA: 11 [11 - **11** - **11**].
30 March 1973: Cameroon: Ebogo: RMCA: 1 [1 - **1** - **1**].
1 April 1973: Cameroon: Ebogo: RMCA: 3 [3 - **3** - **3**].
2 April 1973: Cameroon: Ebogo: RMCA: 3 [3 - **3** - **3**].
4 April 1973: Cameroon: Oveng: RMCA: 16 [16 - **16** - **16**].
5 April 1973: Cameroon: Aboulou: RMCA: 10 [10 - **10** - **10**].
6 April 1973: Cameroon: Aboulou: RMCA: 8 [8 - **8** - **8**].
7 April 1973: Cameroon: Aboulou: RMCA: 2 [2 - **2** - **2**].
13 April 1973: Cameroon: Tibati: RMCA: 11 [11 - **11** - **11**].
3 May 1973: Cameroon: Unknown locality: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Thys Van den Audenaerde, Dirk; Robbins: 136

Thys Van den Audenaerde, Dirk; Van Der Veken

9 February 1975: Cameroon: Zoulabot II: RMCA: 4 [4 - **4** - **4**].
10 February 1975: Cameroon: Zoulabot II: RMCA: 8 [8 - **8** - **8**].
12 February 1975: Cameroon: Zoulabot II: RMCA: 5 [5 - **5** - **5**].
14 February 1975: Cameroon: Zoulabot II: RMCA: 5 [5 - **5** - **5**].
16 February 1975: Cameroon: Zoulabot II: RMCA: 2 [2 - **2** - **2**].
19 February 1975: Cameroon: Mang: RMCA: 9 [9 - **9** - **9**].
20 February 1975: Cameroon: Mang: RMCA: 5 [5 - **5** - **5**].
21 February 1975: Cameroon: Mang: RMCA: 3 [3 - **3** - **3**].
22 February 1975: Cameroon: Mang: RMCA: 5 [5 - **5** - **5**].
23 February 1975: Cameroon: Mang: RMCA: 4 [4 - **4** - **4**].
24 February 1975: Cameroon: Mang: RMCA: 4 [4 - **4** - **4**].
2 March 1975: Cameroon: Lomié: RMCA: 1 [1 - **1** - **1**].
4 March 1975: Cameroon: Lomié: RMCA: 2 [2 - **2** - **2**].
7 March 1975: Cameroon: Djaposten: RMCA: 12 [12 - **12** - **12**].
8 March 1975: Cameroon: Djaposten: RMCA: 4 [4 - **4** - **4**].
16 March 1975: Cameroon: Campo: RMCA: 33 [33 - **33** - **33**].

17 March 1975: Cameroon: Campo: RMCA: 11 [11 - **11** - **11**].

Total Specimens for Thys Van den Audenaerde, Dirk; Van Der Veken: 117

Tibesti Expedition, The

2 June 1961: Chad: Tibesti: RMCA: 1 [1 - **1** - **1**].
15 June 1961: Chad: Zouarké, well: RMCA: 1 [1 - **1** - **1**].
24 August 1961: Chad: Tibesti: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Tibesti Expedition, The: 4

Tiessler

Collection Date Unknown: "Africa": Chifumbaze: ZMB: 3 [3 - **3** - **3**].

Total Specimens for Tiessler: 3

Timm, Robert M.

13 April 2004: South Africa: De Hoop Guano Cave: KU: 1 [1 - **1** - **1**].

Total Specimens for Timm, Robert M.: 1

Timmins, R.J.

11 August 1990: Ethiopia: Kulfo river: HZM: 1 [1 - **1** - **1**].

Total Specimens for Timmins, R.J.: 1

Tinant

Collection Date Unknown: Congo (Democratic Republic of the): Elisabetha: RMCA: 2 [2 - **2** - **2**].
1 February 1929: Congo (Democratic Republic of the): Leverville: RMCA: 8 [8 - **8** - **8**].

Total Specimens for Tinant: 10

Tippett, M.J.

21 July 1966: Kenya: Kanapoi: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Tippett, M.J.: 1

Tipton, V.J.

7 December 1951: Madagascar: Andrandoka: USNM: 6 [6 - **6** - **6**].

Total Specimens for Tipton, V.J.: 6

Todd, A.

Collection Date Unknown: Sierra Leone: Bo: HZM: 1 [1 - **1** - **1**].

Total Specimens for Todd, A.: 1

Tomes Collection, The

Collection Date Unknown: "Africa": Unknown locality: BMNH: 2 [2 - **2**].
Canary Islands (Spain): La Palma: BMNH: 1 [1 - **1**].
The Gambia: Unknown locality: BMNH: 1 [1 - **1** - **4**].
1 January 1856: The Gambia: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Tomes Collection, The: 5

Tomich, P. Quentin

Collection Date Unknown: Egypt: Giza Pyramids: MVZ: 1 [1 - **1** - **1**].
1 January 1946: Egypt: Giza Pyramids: USNM: 2 [2 - **2** - **2**].
12 July 1946: Egypt: Giza Pyramids: USNM: 8 [8 - **8** - **8**].
17 July 1946: Egypt: Giza Pyramids: USNM: 6 [6 - **6** - **6**].
18 July 1946: Egypt: Giza Pyramids: USNM: 2 [2 - **2** - **2**].
20 July 1946: Egypt: Giza Pyramids: USNM: 1 [1 - **1** - **1**].
25 July 1946: Egypt: Maadi: USNM: 1 [1 - **1** - **1**].
31 July 1946: Egypt: Giza Pyramids: USNM: 1 [1 - **1** - **1**].

20 August 1946: Egypt: Giza Pyramids: USNM: 4 [4 - **4** - **4**].
2 October 1946: Egypt: Gezira Island: MVZ: 1, USNM: 7 [8 - **8** - **8**].
22 November 1946: Egypt: Giza Pyramids: USNM: 3 [3 - **3** - **3**].
27 December 1946: Egypt: Abu Rawash: MVZ: 1, USNM: 14 [15 - **15** - **15**].
31 January 1947: Egypt: Saqqara: MVZ: 1, USNM: 12 [13] - Saqqara pyramids: MVZ: 1 [1 - **14** - **14**].
26 February 1947: Egypt: Simbilawein, 5 mi W: MVZ: 1, USNM: 6 [7 - **7** - **7**].

Total Specimens for Tomich, P. Quentin: 73

Tomkinson, T.

15 December 1983: South Africa: Mkuzi Game Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Tomkinson, T.: 1

Topál, György
(1931 - 14 February 2016)

17 March 1973: Ghana: Aburi: HNHM: 9 [9] - Aburi Botanic Garden: HNHM: 1 [1] - Achwerase: HNHM: 2 [2 - **12** - **12**].
30 March 1973: Ghana: Fort St. George: HNHM: 15 [15 - **15** - **15**].
31 March 1973: Ghana: Fort St. George: HNHM: 2 [2 - **2** - **2**].
1 April 1973: Ghana: Cape Coast Castle: HNHM: 1 [1] - Fort St. George: HNHM: 12 [12 - **13** - **13**].

Total Specimens for Topál, György: 42

Torfs

Collection Date Unknown: Congo (Democratic Republic of the): Manono Katanga: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Torfs: 2

Tose, Frank

6 September 1930: Zambia: Chambezi: CAS: 2 [2 - **2** - **2**].

Total Specimens for Tose, Frank: 2

Touborg, Jens

1 January 1962: Kenya: Galana River: MSU: 1 [1 - **1** - **1**].

Total Specimens for Touborg, Jens: 1

Toulson

Collection Date Unknown: Angola: no specific locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Toulson: 1

Toussaint

1 January 1914: Madagascar: Ambatondrazaka: MCZ: 27 [27 - **27** - **27**].

Total Specimens for Toussaint: 27

Toussaint, L.

7 August 1951: Congo (Democratic Republic of the): Yangambi: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Toussaint, L.: 1

Tousseaume.

1 January 1895: Djibouti: Obock: MNHN: 3 [3 - **3** - **3**].

Total Specimens for Tousseaume.: 3

TPA Nature Conservation

18 June 1989: South Africa: Hans Merensky Nature Reserve: TM: 4 [4 - **4** - **4**].
26 April 1990: South Africa: Boskop Dam Nature Reserve: TM: 2 [2 - **2** - **2**].
6 June 1994: South Africa: Shashi-Limpopo River confluence: TM: 1 [1 - **1** - **1**].

8 June 1994: South Africa: Shashi-Limpopo River confluence: TM: 2 [2 - **2** - **2**].

Total Specimens for TPA Nature Conservation: 9

Tr. z. U., Ad.

1 October 1910: Congo (Democratic Republic of the): Duma: ZMH: 2 [2 - **2** - **2**].

Total Specimens for Tr. z. U., Ad.: 2

Train, R.

20 July 1958: Kenya: Lake Magadi, near: USNM: 1 [1 - **1** - **1**].
21 July 1958: Kenya: Lake Magadi, near: USNM: 2 [2 - **2** - **2**].
22 July 1958: Kenya: Lake Magadi, 3 mi E: USNM: 3 [3 - **3** - **3**].
23 July 1958: Kenya: Lake Magadi, near: USNM: 2 [2 - **2** - **2**].
24 July 1958: Kenya: Lake Magadi, near: USNM: 1 [1 - **1** - **1**].

Total Specimens for Train, R.: 9

Tranier, Michel; *et al.*

12 February 1994: Mali: Samaya: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Tranier, Michel; *et al.*: 1

Transvaal Museum, The

7 June 1973: South Africa: Transvaal Museum workshop: TM: 1 [1 - **1** - **1**].

Total Specimens for Transvaal Museum, The: 1

Transvaal Museum Expedition, The

Collection Date Unknown: Zimbabwe: Rusito forest, Rustio River: TM: 1 [1 - **1** - **1**].
8 March 1939: South Africa: Farm Secheili's Oude Stad 6: TM: 1 [1 - **1** - **1**].
2 October 1981: Zimbabwe: Zimbabwe ruins: TM: 1 [1 - **1** - **1**].
5 October 1981: Zimbabwe: Chirinda forest: TM: 1 [1 - **1** - **1**].
7 October 1981: Zimbabwe: Umtali mine adit: TM: 26 [26 - **26** - **26**].
15 October 1981: Zimbabwe: Rusito forest, Rustio River: TM: 1 [1 - **1** - **1**].
17 October 1981: Zimbabwe: Umtali mine adit: TM: 4 [4 - **4** - **4**].
21 October 1981: Zimbabwe: Chikupo Caves: TM: 1 [1 - **1** - **1**].
17 November 1981: Zimbabwe: Umtali mine adit: TM: 8 [8 - **8** - **8**].

Total Specimens for Transvaal Museum Expedition, The: 44

Traub, Robert

Collection Date Unknown: Ethiopia: Koka: CM: 7 [7 - **7** - **7**].

Total Specimens for Traub, Robert: 7

Traub, Robert; Ash, J.S.

Collection Date Unknown: Ethiopia: Koka: CM: 5 [5 - **5** - **5**].
24 February 1973: Ethiopia: Koka: CM: 1 [1 - **1** - **1**].
25 February 1973: Ethiopia: Koka: CM: 1 [1 - **1** - **1**].

Total Specimens for Traub, Robert; Ash, J.S.: 7

Traylor, Melvin ("Mel") Alvah
(1915 - 11 February 2008)

7 November 1961: Zambia: Luachi River: FMNH: 1 [1 - **1** - **1**].
8 November 1961: Zambia: Luachi River: FMNH: 1 [1 - **1** - **1**].
18 November 1961: Zambia: Sikongo: FMNH: 2 [2 - **2** - **2**].
19 November 1961: Zambia: Sikongo: FMNH: 1 [1 - **1** - **1**].
20 November 1961: Zambia: Sikongo: FMNH: 2 [2 - **2** - **2**].
30 November 1961: Zambia: Lueti River, S: FMNH: 1 [1 - **1** - **1**].
6 December 1961: Zambia: Sihole: FMNH: 4 [4 - **4** - **4**].
8 December 1961: Zambia: Sihole: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Traylor, Melvin ("Mel") Alvah: 14

Tree, A.J.

Collection Date Unknown: Namibia: Klein Windhoek: SMW: 1 [1 - **1**].
Zambia: Kafue River: NHMZ: 4 [4] - Lochinvar ranch: NHMZ: 2 [2] - Mindolo dam: NHMZ: 2 [2] - Mkwisi: NHMZ: 3 [3] - Mwekera: NHMZ: 2 [2] - Pwira Pan: BMNH: 1, NHMZ: 5 [6] - Wusikili Bridge: NHMZ: 1 [1 - **20** - **21**].
2 September 1962: Zambia: Nkane-Kitwe: NHMZ: 1 [1 - **1** - **1**].
23 February 1963: Zambia: Kafue River: FMNH: 1 [1 - **1** - **1**].
17 August 1963: Zambia: Pwira Pan: BMNH: 1 [1 - **1** - **1**].
18 August 1963: Zambia: Pwira Pan: BMNH: 1 [1 - **1** - **1**].
25 August 1963: Zambia: Machiya ferry: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Tree, A.J.: 26

Trelease, W.

11 July 1894: Azores (Portugal): Terceira Island: USNM: 1 [1 - **1** - **1**].

Total Specimens for Trelease, W.: 1

Trevor-Roper, G.D.

Collection Date Unknown: Kenya: Kilifi: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Trevor-Roper, G.D.: 1

Tribe, A.R.

Collection Date Unknown: Somalia: Dowa: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Tribe, A.R.: 3

Tristram, Henry Baker J.
(11 May 1822: Eglingham Vicarage - 8 March 1906: Durham)

Collection Date Unknown: Egypt: Jabal Musa: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Tristram, Henry Baker J.: 1

Trudinger, R.

Collection Date Unknown: South Sudan: Melut: SAMA: 1 [1 - **1** - **1**].

Total Specimens for Trudinger, R.: 1

Trujillo, Domingo

1 September 1987: Spain: Barranco de La Cantera: MNH: 1 [1 - **1** - **1**].

Total Specimens for Trujillo, Domingo: 1

Trujillo, Domingo; Ibáñez Uargui, Carlos J.; Barone, E.

15 September 1987: Spain: Agulo: EBD: 2, MNH: 2 [4 - **4** - **4**].

Total Specimens for Trujillo, Domingo; Ibáñez Uargui, Carlos J.; Barone, E.: 4

Tshinyenye

Collection Date Unknown: Congo (Democratic Republic of the): Unknown locality: RMCA: 3 [3] - Kingabwa: RMCA: 1 [1 - **4** - **4**].
19 December 1975: Congo (Democratic Republic of the): Kingabwa: RMCA: 1 [1 - **1** - **1**].
31 December 1975: Congo (Democratic Republic of the): Kingabwa: RMCA: 2 [2 - **2** - **2**].
22 August 1976: Congo (Democratic Republic of the): Kimpoko: RMCA: 1 [1 - **1** - **1**].
27 August 1976: Congo (Democratic Republic of the): Kimpoko: RMCA: 1 [1 - **1** - **1**].
28 August 1976: Congo (Democratic Republic of the): Kimpoko: RMCA: 1 [1 - **1** - **1**].
30 August 1976: Congo (Democratic Republic of the): Kimpoko: RMCA: 1 [1 - **1** - **1**].
27 September 1976: Congo (Democratic Republic of the): Masaba: RMCA: 1 [1 - **1** - **1**].
14 October 1976: Congo (Democratic Republic of the): Kimpoko: RMCA: 1 [1 - **1** - **1**].
15 October 1976: Congo (Democratic Republic of the): Kimpoko: RMCA: 2 [2 - **2** - **2**].
31 October 1976: Congo (Democratic Republic of the): Kimpoko: RMCA: 2 [2 - **2** - **2**].
1 November 1976: Congo (Democratic Republic of the): Kimpoko: RMCA: 3 [3 - **3** - **3**].
24 December 1976: Congo (Democratic Republic of the): Kimpoko: RMCA: 1 [1 - **1** - **1**].
28 December 1976: Congo (Democratic Republic of the): Bengale: RMCA: 2 [2] - Benzale: RMCA: 1 [1 - **3** - **3**].
29 December 1976: Congo (Democratic Republic of the): Kwango: RMCA: 3 [3 - **3** - **3**].

4 January 1977: Congo (Democratic Republic of the): Kuili: RMCA: 2 [2 - **2** - **2**].
5 January 1977: Congo (Democratic Republic of the): Kuili Ngongo: RMCA: 2 [2 - **2** - **2**].
6 January 1977: Congo (Democratic Republic of the): Kuili Ngongo: RMCA: 1 [1 - **1** - **1**].
7 January 1977: Congo (Democratic Republic of the): Kiulu Mgemgo: RMCA: 1 [1 - **1** - **1**].
1 March 1977: Congo (Democratic Republic of the): Ngula: RMCA: 2 [2 - **2** - **2**].
5 March 1977: Congo (Democratic Republic of the): Ngula: RMCA: 1 [1 - **1** - **1**].
6 March 1977: Congo (Democratic Republic of the): Ngula: RMCA: 5 [5 - **5** - **5**].
8 March 1977: Congo (Democratic Republic of the): Ngula: RMCA: 6 [6 - **6** - **6**].
11 March 1977: Congo (Democratic Republic of the): Ngula: RMCA: 1 [1 - **1** - **1**].
12 March 1977: Congo (Democratic Republic of the): Ngula: RMCA: 1 [1 - **1** - **1**].
6 September 1978: Congo (Democratic Republic of the): Kimpoko: RMCA: 4 [4 - **4** - **4**].
7 September 1978: Congo (Democratic Republic of the): Kimpoko: RMCA: 1 [1 - **1** - **1**].
7 November 1978: Congo (Democratic Republic of the): Kimpoko: RMCA: 1 [1 - **1** - **1**].
25 August 1979: Congo (Democratic Republic of the): Kimpoko: RMCA: 8 [8 - **8** - **8**].
1 December 1979: Congo (Democratic Republic of the): Kitimi: RMCA: 3 [3 - **3** - **3**].
20 January 1980: Congo (Democratic Republic of the): Kimpoko: RMCA: 2 [2 - **2** - **2**].
27 April 1980: Congo (Democratic Republic of the): Kimpoko: RMCA: 4 [4 - **4** - **4**].
28 September 1980: Congo (Democratic Republic of the): Nkiene: RMCA: 6 [6 - **6** - **6**].
29 September 1980: Congo (Democratic Republic of the): Nkiene: RMCA: 1 [1 - **1** - **1**].
30 September 1980: Congo (Democratic Republic of the): Nkiene: RMCA: 5 [5 - **5** - **5**].
1 July 1989: Congo (Democratic Republic of the): Make: RMCA: 2 [2 - **2** - **2**].
1 August 1989: Congo (Democratic Republic of the): Make: RMCA: 1 [1 - **1** - **1**].
1 January 1992: Congo (Democratic Republic of the): Make: RMCA: 1 [1 - **1** - **1**].
12 August 1992: Congo (Democratic Republic of the): Make: RMCA: 1 [1 - **1** - **1**].
20 August 1992: Congo (Democratic Republic of the): Bombo Lumene: RMCA: 5 [5 - **5** - **5**].
30 October 1992: Congo (Democratic Republic of the): Make: RMCA: 1 [1 - **1** - **1**].
1 November 1992: Congo (Democratic Republic of the): Make: RMCA: 1 [1 - **1** - **1**].
17 November 1992: Congo (Democratic Republic of the): Make: RMCA: 1 [1 - **1** - **1**].
2 January 1993: Congo (Democratic Republic of the): Kinshasa: RMCA: 1 [1 - **1** - **1**].
24 January 1993: Congo (Democratic Republic of the): Kinshasa: RMCA: 2 [2 - **2** - **2**].
3 February 1993: Congo (Democratic Republic of the): Kinshasa: RMCA: 1 [1 - **1** - **1**].
5 February 1993: Congo (Democratic Republic of the): Kinshasa: RMCA: 1 [1 - **1** - **1**].
19 February 1993: Congo (Democratic Republic of the): Kinshasa: RMCA: 1 [1 - **1** - **1**].
22 February 1993: Congo (Democratic Republic of the): Kinshasa: RMCA: 1 [1 - **1** - **1**].
19 March 1993: Congo (Democratic Republic of the): Ndjili: RMCA: 1 [1 - **1** - **1**].
22 March 1993: Congo (Democratic Republic of the): Ndjili: RMCA: 1 [1 - **1** - **1**].
4 April 1993: Congo (Democratic Republic of the): Ndjili: RMCA: 7 [7 - **7** - **7**].
15 April 1993: Congo (Democratic Republic of the): Ndjili: RMCA: 1 [1 - **1** - **1**].
18 April 1993: Congo (Democratic Republic of the): Make: RMCA: 1 [1 - **1** - **1**].
26 June 1993: Congo (Democratic Republic of the): Make: RMCA: 1 [1 - **1** - **1**].
23 July 1993: Congo (Democratic Republic of the): Make: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Tshinyenye: 117

Tucker, J.J.

27 April 1972: Zambia: Munali: NMZL: 1 [1 - **1** - **1**].
19 January 1973: Zambia: Kabulonga: HZM: 1 [1 - **1** - **1**].

Total Specimens for Tucker, J.J.: 2

Turco

1 January 1950: Congo (Democratic Republic of the): Kere Kere: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Turco: 3

Turnbull, Jack K.

27 September 1931: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].
28 September 1931: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].
2 October 1931: South Africa: King William's Town: MCZ: 2 [2 - **2** - **2**].
3 October 1931: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].
10 October 1931: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].
14 October 1931: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].
24 November 1931: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].
24 January 1932: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].
29 March 1932: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].
23 December 1932: South Africa: Bedford: MCZ: 1 [1 - **1** - **1**].
29 December 1932: South Africa: Kaggasmoudt: NM: 1 [1 - **1** - **1**].
7 January 1933: South Africa: Kaggasmoudt: KM: 1 [1 - **1** - **1**].
11 January 1933: South Africa: Kaggasmoudt: KM: 9 [9 - **9** - **9**].
6 November 1936: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].

27 September 1938: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Turnbull, Jack K.: 24

Turner, A.

Collection Date Unknown: Kenya: Yala river: NRM: 1 [1 - **1** - **1**].
5 October 1915: Kenya: Yale River: NMK: 2 [2 - **2** - **2**].
20 October 1915: Kenya: Yale River: NMK: 3 [3 - **3** - **3**].
9 November 1915: Kenya: Yala river: NRM: 1 [1 - **1** - **1**].
10 November 1915: Kenya: Yala river: NRM: 3 [3 - **3** - **3**].
11 November 1915: Kenya: Yala river: NRM: 1 [1 - **1** - **1**].
12 November 1915: Kenya: Yala river: NRM: 1 [1 - **1** - **1**].
13 November 1915: Kenya: Yala river: NRM: 4 [4 - **4** - **4**].
19 November 1915: Kenya: Yala river: NRM: 2 [2 - **2** - **2**].
30 November 1915: Kenya: Yala river: NRM: 1 [1 - **1** - **1**].

Total Specimens for Turner, A.: 19

Turner, C.

3 October 1904: South Africa: Estcourt: USNM: 1 [1 - **1** - **1**].
12 March 1905: South Africa: Estcourt: USNM: 2 [2 - **2** - **2**].

Total Specimens for Turner, C.: 3

Turner, H.J.A.

9 November 1913: Kenya: Yala river: BMNH: 1 [1 - **1** - **1**].
13 November 1913: Kenya: Yala river: USNM: 1 [1 - **1** - **1**].
16 November 1913: Kenya: Yala river: USNM: 1 [1 - **1** - **1**].
18 November 1913: Kenya: Yala river: USNM: 2 [2 - **2** - **2**].
20 November 1913: Kenya: Yala river: USNM: 1 [1 - **1** - **1**].
23 November 1913: Kenya: Yala river: USNM: 1 [1 - **1** - **1**].
24 November 1913: Kenya: Yala river: USNM: 1 [1 - **1** - **1**].
25 November 1913: Kenya: Yala river: USNM: 3 [3 - **3** - **3**].
29 November 1913: Kenya: Yala river: USNM: 1 [1 - **1** - **1**].
1 December 1913: Kenya: Yala river: USNM: 2 [2 - **2** - **2**].
2 December 1913: Kenya: Yala river: USNM: 1 [1 - **1** - **1**].
2 July 1932: South Africa: Port St Johns: KM: 1 [1 - **1** - **1**].

Total Specimens for Turner, H.J.A.: 16

Tweedie

21 April 1958: Kenya: Endebess: HZM: 1 [1 - **1** - **1**].
30 June 1963: Kenya: Endeblsa: USNM: 1 [1 - **1** - **1**].

Total Specimens for Tweedie: 2

Twomey, A.C.

Collection Date Unknown: Kenya: Unknown locality: AMNH: 2 [2] - Kalipti: AMNH: 1 [1] - Karibiti: CM: 3 [3] - Shimoni: AMNH: 2, CM: 1 [3] - Sultan Hamud: AMNH: 1 [1 - **10** - **10**].
23 July 1960: Uganda: Bwamba Forest: CM: 2 [2 - **2** - **2**].
15 September 1960: Tanzania: Morogoro, 20 mi N: CM: 1 [1 - **1** - **1**].

Total Specimens for Twomey, A.C.: 13

Tyres, R.F.Major

1 September 1971: Kenya: Lake Naivasha: WAM: 1 [1 - **1** - **1**].

Total Specimens for Tyres, R.F.Major: 1

Tzaneen Estate, The

23 October 1907: South Africa: Tzaneen Estate: TM: 1 [1 - **1** - **1**].

Total Specimens for Tzaneen Estate, The: 1

Udelhoven, Jay L.

9 March 1993: Burundi: Ruhinga Hill: FMNH: 5 [5 - **5** - **5**].
10 March 1993: Burundi: Ruhinga Hill: FMNH: 2 [2 - **2** - **2**].

11 March 1993: Burundi: Ruhinga Hill: FMNH: 6 [6 - **6** - **6**].
12 March 1993: Burundi: Ruhinga Hill: FMNH: 8 [8 - **8** - **8**].
13 March 1993: Burundi: Ruhinga Hill: FMNH: 6 [6 - **6** - **6**].
17 August 1993: Burundi: Mumushwizi Valley: FMNH: 1 [1 - **1** - **1**].
18 August 1993: Burundi: Mumushwizi Valley: FMNH: 1 [1 - **1** - **1**].
23 August 1993: Burundi: Mumushwizi Valley: FMNH: 2 [2 - **2** - **2**].
24 August 1993: Burundi: Mumushwizi Valley: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Udelhoven, Jay L.: 33

Ugandan forestry department, The

20 January 1993: Uganda: Mbale: FMNH: 2 [2 - **2** - **2**].

Total Specimens for Ugandan forestry department, The: 2

Uhlenhuth

Collection Date Unknown: Ethiopia: Dire Dawa: ZMB: 2 [2 - **2** - **2**].
6 April 1936: Ethiopia: Dire Daoua: RMCA: 1 [1 - **1** - **1**].
16 April 1936: Ethiopia: Dire Daoua: RMCA: 1 [1 - **1** - **1**].
21 June 1936: Ethiopia: Dire Daoua: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Uhlenhuth: 5

Umlauff

Collection Date Unknown: Gabon: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Umlauff: 1

Umlauff Museum (Hamburg), The

Collection Date Unknown: "Africa": Unknown locality: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Umlauff Museum (Hamburg), The: 1

Umzambi, M.S.

25 February 1926: South Africa: Umzumbi Mission: CUMV: 1 [1 - **1** - **1**].

Total Specimens for Umzambi, M.S.: 1

Unger

Collection Date Unknown: Ghana: Accra: ZMB: 6 [6 - **6** - **6**].

Total Specimens for Unger: 6

Unife

7 June 1965: Nigeria: Ibadan: FMNH: 1 [1 - **1** - **1**].
8 June 1965: Nigeria: Ibadan: FMNH: 7 [7 - **7** - **7**].
9 June 1965: Nigeria: Ibadan: FMNH: 3 [3 - **3** - **3**].
12 June 1965: Nigeria: Ibadan: FMNH: 7 [7 - **7** - **7**].
14 June 1965: Nigeria: Ibadan: FMNH: 5 [5 - **5** - **5**].
15 June 1965: Nigeria: Ibadan: FMNH: 4 [4 - **4** - **4**].
16 June 1965: Nigeria: Ibadan: FMNH: 1 [1 - **1** - **1**].
17 June 1965: Nigeria: Ibadan: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Unife: 29

University of Cape Town, The

5 August 1966: South Africa: Wynberg cave: SAMC: 1 [1 - **1** - **1**].

Total Specimens for University of Cape Town, The: 1

University Venda Staff, The

5 July 1986: South Africa: Huhea cave: TM: 3 [3 - **3** - **3**].

Total Specimens for University Venda Staff, The: 3

Uys, J.C.

20 March 1973: South Africa: Rochdale, Farm: TM: 1 [1 - **1** - **1**].

Total Specimens for Uys, J.C.: 1

Uys, J.M.C.

Collection Date Unknown: Zambia: Kaungashi stream, source of: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Uys, J.M.C.: 1

Uys, K.

10 July 1997: South Africa: Cape Vidal Nature Reserve, E shores: DNSM: 2 [2 - **2** - **2**].

Total Specimens for Uys, K.: 2

Uys, P.J.

6 April 1973: South Africa: Bordeaux, Farm: TM: 1 [1 - **1** - **1**].
8 April 1973: South Africa: Bordeaux, Farm: TM: 4 [4 - **4** - **4**].

Total Specimens for Uys, P.J.: 5

V.L.K.E.

Collection Date Unknown: Botswana: Maun: TM: 1 [1 - **1** - **1**].

Total Specimens for V.L.K.E.: 1

Vacha, S.D.

1 January 1954: Madagascar: Unknown locality: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Vacha, S.D.: 2

Vachaudez

Collection Date Unknown: Congo (Democratic Republic of the): Kaniama: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Vachaudez: 1

Vaden, R.E.

Collection Date Unknown: Morocco: Chichaoua: USNM: 7 [7 - **7** - **7**].
25 January 1968: Burkina Faso: Tatarko: USNM: 1 [1 - **1** - **1**].
23 September 1968: Ghana: Legon: USNM: 6 [6] - University of Ghana: USNM: 1 [1 - **7** - **7**].
24 September 1968: Ghana: Legon: USNM: 7 [7 - **7** - **7**].
25 September 1968: Ghana: Legon: USNM: 3 [3 - **3** - **3**].
1 October 1968: Ghana: Legon: USNM: 3 [3 - **3** - **3**].
7 October 1968: Ghana: Legon: USNM: 7 [7 - **7** - **7**].
10 October 1968: Ghana: Oda: USNM: 3 [3 - **3** - **3**].
11 October 1968: Ghana: Oda: USNM: 3 [3 - **3** - **3**].
13 October 1968: Ghana: Oda: USNM: 7 [7 - **7** - **7**].
14 October 1968: Ghana: Oda: USNM: 5 [5 - **5** - **5**].
15 October 1968: Ghana: Oda: USNM: 7 [7 - **7** - **7**].
17 October 1968: Ghana: Achimota: USNM: 1 [1 - **1** - **1**].
9 November 1968: Burkina Faso: Nobéré, 9 mi S: USNM: 4 [4 - **4** - **4**].
10 November 1968: Burkina Faso: Nobéré, 9 mi S: USNM: 3 [3 - **3** - **3**].
13 November 1968: Burkina Faso: Arly: USNM: 1, ZMA: 1 [2 - **2** - **2**].
14 November 1968: Burkina Faso: Arly: RMCA: 1, USNM: 41 [42] - Arly National Park: USNM: 39 [39 - **81** - **81**].
18 November 1968: Burkina Faso: Goden: RMCA: 1, USNM: 32 [33 - **33** - **33**].
19 November 1968: Burkina Faso: Goden: RMCA: 4, USNM: 53 [57 - **57** - **57**].
9 December 1968: Burkina Faso: Natiaboani: RMCA: 3, USNM: 1 [4 - **4** - **4**].
10 December 1968: Burkina Faso: Natiaboani: RMCA: 2, USNM: 24 [26 - **26** - **26**].
11 December 1968: Burkina Faso: Natiaboani: RMCA: 1, USNM: 39 [40 - **40** - **40**].
12 December 1968: Burkina Faso: Natiaboani: USNM: 67 [67 - **67** - **67**].
14 December 1968: Burkina Faso: Natiaboani: USNM: 4, ZMA: 1 [5 - **5** - **5**].
15 January 1969: Burkina Faso: Ouagadougou: USNM: 14 [14 - **14** - **14**].
16 January 1969: Burkina Faso: Ouagadougou: USNM: 10 [10 - **10** - **10**].
17 January 1969: Burkina Faso: Ouagadougou: USNM: 2 [2 - **2** - **2**].
25 January 1969: Burkina Faso: Tatarko: RMCA: 1, USNM: 18 [19 - **19** - **19**].
26 January 1969: Burkina Faso: Tatarko: USNM: 1 [1 - **1** - **1**].
27 January 1969: Burkina Faso: Tatarko: USNM: 1 [1 - **1** - **1**].

30 January 1969: Burkina Faso: Pétoye: USNM: 45 [45 - **45** - **45**].
4 February 1969: Burkina Faso: Markoye, 30 km N: USNM: 1 [1 - **1** - **1**].
8 February 1969: Burkina Faso: Gorgadji, 17 km E: USNM: 6 [6 - **6** - **6**].
10 February 1969: Burkina Faso: Gorgadji, 17 km E: USNM: 5 [5 - **5** - **5**].
12 February 1969: Burkina Faso: Boussouma, 5 km N: USNM: 3 [3 - **3** - **3**].
22 February 1969: Burkina Faso: Dio: USNM: 10 [10 - **10** - **10**].
1 March 1969: Burkina Faso: Barga, 9 km NE: USNM: 2 [2 - **2** - **2**].
2 March 1969: Burkina Faso: Barga, 9 km NE: RMCA: 2, USNM: 26 [28 - **28** - **28**].
7 March 1969: Burkina Faso: Seguenega, 6 km SE: USNM: 1 [1 - **1** - **1**].
11 March 1969: Burkina Faso: Cella, 1 km N: RMCA: 1, USNM: 16 [17 - **17** - **17**].
13 March 1969: Burkina Faso: Cella, 1 km N: USNM: 10 [10 - **10** - **10**].
14 March 1969: Burkina Faso: Cella, 1 km N: USNM: 8 [8 - **8** - **8**].
15 March 1969: Burkina Faso: Cella, 1 km N: USNM: 5 [5 - **5** - **5**].
17 March 1969: Burkina Faso: Nayouré: RMCA: 1, USNM: 1 [2] - Nayouré, 3 km SE: USNM: 60 [60 - **62** - **62**].
23 March 1969: Burkina Faso: Ougarou: USNM: 14 [14 - **14** - **14**].
24 March 1969: Burkina Faso: Ougarou: USNM: 1 [1 - **1** - **1**].
25 March 1969: Burkina Faso: Ougarou: USNM: 9 [9 - **9** - **9**].
27 April 1969: Burkina Faso: Ouagadougou: USNM: 8 [8 - **8** - **8**].
3 May 1969: Burkina Faso: Oulo: USNM: 85 [85 - **85** - **85**].
4 May 1969: Burkina Faso: Oulo: USNM: 39 [39 - **39** - **39**].
6 May 1969: Burkina Faso: Konankira: USNM: 44 [44] - Oulo: USNM: 1 [1 - **45** - **45**].
7 May 1969: Burkina Faso: Konankira: USNM: 5 [5 - **5** - **5**].
8 May 1969: Burkina Faso: Konankira: USNM: 3 [3 - **3** - **3**].
12 May 1969: Burkina Faso: Cella, 1 km N: USNM: 1 [1] - Founzan: USNM: 1 [1 - **2** - **2**].
13 May 1969: Burkina Faso: Founzan: USNM: 10 [10 - **10** - **10**].
14 May 1969: Burkina Faso: Founzan: USNM: 60 [60 - **60** - **60**].
15 May 1969: Burkina Faso: Founzan: USNM: 1 [1 - **1** - **1**].
16 May 1969: Burkina Faso: Founzan: USNM: 4 [4 - **4** - **4**].
17 May 1969: Burkina Faso: Founzan: USNM: 6 [6 - **6** - **6**].
11 June 1969: Burkina Faso: Fô: USNM: 22 [22 - **22** - **22**].
14 June 1969: Burkina Faso: Fô: USNM: 27 [27 - **27** - **27**].
17 June 1969: Burkina Faso: Orodara, 27 km ENE: USNM: 1 [1 - **1** - **1**].
18 June 1969: Burkina Faso: Orodara, 27 km ENE: USNM: 19 [19 - **19** - **19**].
19 June 1969: Burkina Faso: Orodara, 27 km ENE: USNM: 16 [16 - **16** - **16**].
20 June 1969: Burkina Faso: Orodara, 27 km ENE: USNM: 36 [36 - **36** - **36**].
22 June 1969: Burkina Faso: Koutoura, 5 km SW: USNM: 20 [20 - **20** - **20**].
23 June 1969: Burkina Faso: Koutoura, 5 km SW: USNM: 10 [10 - **10** - **10**].
24 June 1969: Burkina Faso: Koutoura, 5 km SW: USNM: 1 [1 - **1** - **1**].
25 June 1969: Burkina Faso: Koutoura, 5 km SW: USNM: 5 [5 - **5** - **5**].
29 June 1969: Burkina Faso: Sideradougou: USNM: 15 [15] - Sidéradougou: USNM: 1 [1 - **16** - **16**].
30 June 1969: Burkina Faso: Pétoye: RMCA: 2 [2] - Sideradougou: USNM: 13 [13] - Sidéradougou: USNM: 5 [5 - **20** - **20**].
1 July 1969: Burkina Faso: Sidéradougou: USNM: 21 [21 - **21** - **21**].
2 July 1969: Burkina Faso: Sideradougou: USNM: 1 [1] - Sidéradougou: USNM: 2 [2 - **3** - **3**].
8 July 1969: Burkina Faso: Djipologo: USNM: 21 [21 - **21** - **21**].
9 July 1969: Burkina Faso: Djipologo: USNM: 27 [27 - **27** - **27**].
10 July 1969: Burkina Faso: Djipologo: USNM: 4 [4 - **4** - **4**].
12 July 1969: Burkina Faso: Djipologo: USNM: 4 [4 - **4** - **4**].
25 October 1969: Morocco: Tanger, 13 km W: USNM: 8 [8 - **8** - **8**].
5 November 1969: Morocco: Assa: USNM: 9 [9 - **9** - **9**].
13 April 1970: Morocco: Chichaoua, 20 km S: USNM: 23 [23 - **23** - **23**].
8 May 1970: Morocco: Taounate, 15 km WSW: USNM: 5 [5 - **5** - **5**].
9 May 1970: Morocco: Taounate, 15 km WSW: USNM: 6 [6 - **6** - **6**].
11 May 1970: Morocco: Taounate, 15 km WSW: USNM: 4 [4 - **4** - **4**].
12 May 1970: Morocco: Taounate, 15 km WSW: USNM: 1 [1 - **1** - **1**].
22 May 1970: Morocco: Nador, 20 km SE: USNM: 28 [28 - **28** - **28**].
23 May 1970: Morocco: Nador, 20 km SE: USNM: 14 [14 - **14** - **14**].
24 May 1970: Morocco: Nador, 20 km SE: USNM: 8 [8 - **8** - **8**].
25 May 1970: Morocco: Nador, 20 km SE: USNM: 10 [10 - **10** - **10**].
26 May 1970: Morocco: Nador, 20 km SE: USNM: 4 [4 - **4** - **4**].
2 June 1970: Morocco: Ouezzane, 10 km W: USNM: 1 [1 - **1** - **1**].

Total Specimens for Vaden, R.E.: 1319

Vaillemans

2 August 1957: Congo (Democratic Republic of the): Katende falls: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Vaillemans: 1

Valley, O.

1 January 1907: Cameroon: Victoria: SMF: 3 [3 - **3** - **3**].

Total Specimens for Valley, O.: 3

Van Barneveld, H.W.P.

Collection Date Unknown: "Africa": Unknown locality: RMNH: 1 [1 - **1**].
Tanzania: Unknown locality: RMNH: 84 [84] - Bagamoyo: RMNH: 9 [9 - **93** - **94**].
1 January 1956: Tanzania: Bagamoyo: RMNH: 7 [7 - **7** - **7**].
9 December 1956: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
1 January 1957: Tanzania: Unknown locality: RMNH: 6 [6 - **6** - **6**].
1 February 1957: Tanzania: Unknown locality: RMNH: 8 [8 - **8** - **8**].
10 April 1957: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
1 August 1957: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 September 1957: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 October 1957: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 December 1957: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
3 December 1957: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
4 December 1957: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
5 December 1957: Tanzania: Bagamoyo: RMNH: 3 [3 - **3** - **3**].
6 December 1957: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
7 December 1957: Tanzania: Bagamoyo: RMNH: 3 [3 - **3** - **3**].
9 December 1957: Tanzania: Bagamoyo: RMNH: 2 [2 - **2** - **2**].
11 December 1957: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
1 January 1958: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 February 1958: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 March 1958: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 April 1958: Tanzania: Unknown locality: RMNH: 4 [4 - **4** - **4**].
1 May 1958: Tanzania: Unknown locality: RMNH: 3 [3 - **3** - **3**].
1 June 1958: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 July 1958: Tanzania: Unknown locality: RMNH: 2 [2 - **2** - **2**].
2 July 1958: Tanzania: Bagamoyo: RMNH: 11 [11 - **11** - **11**].
6 July 1958: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
1 August 1958: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 September 1958: Tanzania: Unknown locality: RMNH: 2 [2 - **2** - **2**].
1 October 1958: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
8 December 1958: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
12 December 1958: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
1 January 1959: Tanzania: Unknown locality: RMNH: 4 [4 - **4** - **4**].
1 February 1959: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 March 1959: Tanzania: Unknown locality: RMNH: 2 [2 - **2** - **2**].
1 April 1959: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 August 1959: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 November 1959: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
2 December 1959: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].
6 December 1959: Tanzania: Bagamoyo: RMNH: 9 [9 - **9** - **9**].
1 April 1960: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 May 1960: Tanzania: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 June 1960: Tanzania: Unknown locality: RMNH: 5 [5] - Bagamoyo: RMNH: 6 [6 - **11** - **11**].
3 July 1961: Tanzania: Bagamoyo: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Van Barneveld, H.W.P.: 198

Van Bellighen, Paul
(1858: Haacht - 1931: Brussels)

Collection Date Unknown: Congo (Democratic Republic of the): Congo da Lemba: RMCA: 3 [3 - **3** - **3**].
13 January 1900: Congo (Democratic Republic of the): Congo da Lemba: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Van Bellighen, Paul: 5

Van Boven, R.P.

7 February 1942: Congo (Democratic Republic of the): Yangambi: RMCA: 1 [1 - **1** - **1**].
5 July 1949: Congo (Democratic Republic of the): Yaosuka: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Van Boven, R.P.: 2

Van Bree, Peter Johannes Hendrikus
(17 September 1927: Tebing Tinggi - 24 February 2011)

Collection Date Unknown: Gabon: Bélinga: ZMA: 2 [2 - **2** - **2**].
24 February 1963: Gabon: Grotte de Faucon: ZMA: 2 [2 - **2** - **2**].
23 July 1963: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
5 December 1963: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
7 December 1963: Gabon: Makokou: ZMA: 5 [5 - **5** - **5**].
15 December 1963: Gabon: Makokou: ZMA: 10 [10 - **10** - **10**].
19 December 1963: Gabon: Batouala: ZMA: 8 [8] - Bélinga: ZMA: 1 [1 - **9** - **9**].
22 December 1963: Gabon: Bélinga: ZMA: 1 [1] - Makokou: ZMA: 4 [4 - **5** - **5**].

23 December 1963: Gabon: Makokou: ZMA: 7 [7 - **7** - **7**].
24 December 1963: Gabon: Makokou: ZMA: 3 [3 - **3** - **3**].
1 January 1964: Gabon: Grottes de Massa: ZMA: 1 [1 - **1** - **1**].
2 January 1964: Gabon: Makokou: ZMA: 7 [7 - **7** - **7**].
5 January 1964: Gabon: Makokou: ZMA: 1 [1 - **1** - **1**].
7 January 1964: Gabon: Bélinga: ZMA: 9 [9] - Grotte de Faucon: ZMA: 1 [1] - Grottes de Massa: ZMA: 15 [15 - **25** - **25**].
9 January 1964: Gabon: Grotte de Faucon: ZMA: 47 [47 - **47** - **47**].
12 January 1964: Gabon: Bélinga: ZMA: 1 [1] - Grottes de Massa: ZMA: 1 [1 - **2** - **2**].
25 January 1964: Gabon: Bélinga: ZMA: 3 [3 - **3** - **3**].
26 January 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
27 January 1964: Gabon: Bélinga: ZMA: 2 [2 - **2** - **2**].
28 January 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
29 January 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
31 January 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
1 February 1964: Gabon: Bélinga: ZMA: 3 [3 - **3** - **3**].
3 February 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
4 February 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
11 February 1964: Gabon: Bélinga: ZMA: 2 [2 - **2** - **2**].
12 February 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
14 February 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
15 February 1964: Gabon: Grottes de Massa: ZMA: 1 [1 - **1** - **1**].
18 February 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
22 February 1964: Gabon: Bélinga: ZMA: 2 [2 - **2** - **2**].
13 October 1964: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
27 October 1964: Gabon: Bélinga: ZMA: 2 [2 - **2** - **2**].
17 August 1965: Gabon: Bélinga: ZMA: 1 [1 - **1** - **1**].
4 May 1980: Kenya: Ngombeni [caves]: ZMA: 17 [17 - **17** - **17**].
8 May 1980: Kenya: Diani Beach: ZMA: 7 [7] - Tiwi Beach: ZMA: 2 [2 - **9** - **9**].
13 May 1980: Kenya: Kilaguni Lodge: ZMA: 3 [3] - Tsavo West National Park, NW of Kilaguni Lodge: ZMA: 5 [5 - **8** - **8**].

Total Specimens for Van Bree, Peter Johannes Hendrikus: 188

Van Cools, G.

7 January 1947: Congo (Democratic Republic of the): Nyarusambo: RBINS: 3 [3 - **3** - **3**].

Total Specimens for Van Cools, G.: 3

Van Dam, G.P.

16 January 1915: South Africa: Griffin mine: TM: 1 [1 - **1** - **1**].
17 January 1915: South Africa: Griffin mine: TM: 1 [1 - **1** - **1**].
21 July 1915: Mozambique: Mazambo: TM: 1 [1 - **1** - **1**].
3 August 1915: Mozambique: Guya: TM: 1 [1] - unspecified locality: TM: 1 [1 - **2** - **2**].
2 February 1917: South Africa: Bleskop: TM: 1 [1 - **1** - **1**].
11 February 1921: South Africa: Leydsdorp, unspecified location: TM: 1 [1 - **1** - **1**].
23 July 1921: South Africa: Rosslyn: TM: 1 [1 - **1** - **1**].
26 April 1922: South Africa: Koster Cave: TM: 1 [1 - **1** - **1**].
18 October 1922: South Africa: Barberton [=Umhlumna]: TM: 1 [1 - **1** - **1**].
4 April 1924: South Africa: Gravelotte mines: TM: 5 [5 - **5** - **5**].
5 April 1924: South Africa: Gravelotte mines: TM: 3 [3 - **3** - **3**].
8 February 1927: South Africa: Leydsdorp: TM: 1 [1 - **1** - **1**].
11 February 1927: South Africa: Leydsdorp, unspecified location: TM: 2 [2 - **2** - **2**].

Total Specimens for Van Dam, G.P.: 21

Van de Kellen, P.J.

1 June 1987: Angola: Otjipomenima: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Van de Kellen, P.J.: 1

Van De Merwe, P.

14 July 1959: South Africa: Punda Maria: KNP: 1 [1 - **1** - **1**].

Total Specimens for Van De Merwe, P.: 1

Van de Wal, M.

31 May 1988: Burkina Faso: Nazinga: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Van de Wal, M.: 1

Van Delft

Collection Date Unknown: Congo (Democratic Republic of the): Kasongo: RMCA: 1 [1] - Lemba plain: RMCA: 1 [1 - **2** - **2**].
3 July 1929: Congo (Democratic Republic of the): Lemba plain: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Van Delft: 3

Van den Put

Collection Date Unknown: Congo (Democratic Republic of the): Binga: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Van den Put: 1

Van der Brink, J.N.; Graaf, P.

16 February 1965: Uganda: Amuria: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Van der Brink, J.N.; Graaf, P.: 1

Van der Kellen, C.E.

Collection Date Unknown: Angola: Unknown locality: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Van der Kellen, C.E.: 1

Van der Linde, J.A.

1 June 1970: South Africa: Brandfort: TM: 1 [1 - **1** - **1**].

Total Specimens for Van der Linde, J.A.: 1

van der Merwe, G.

8 April 1983: Namibia: Halali Camp: TM: 2 [2 - **2** - **2**].

Total Specimens for van der Merwe, G.: 2

van der Merwe, J.

Collection Date Unknown: South Africa: Blyde River Canyon [=Blyderivier Blyderivierspoort] Nature Reserve: TM: 1 [1] - Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve: TM: 1 [1 - **2** - **2**].
28 March 1988: South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Chester 235, dam on Blyde River: TM: 1 [1 - **1** - **1**].
29 March 1988: South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: TM: 1 [1 - **1** - **1**].
6 April 1988: South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: TM: 1 [1 - **1** - **1**].
7 April 1988: South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: TM: 1 [1 - **1** - **1**].
19 April 1988: South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: TM: 1 [1 - **1** - **1**].

Total Specimens for van der Merwe, J.: 7

van der Merwe, J.; Bronner, Gary Neil

6 April 1988: South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: TM: 1 [1 - **1** - **1**].
8 April 1988: South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: TM: 2 [2 - **2** - **2**].
9 April 1988: South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: TM: 1 [1 - **1** - **1**].

Total Specimens for van der Merwe, J.; Bronner, Gary Neil: 4

van der Merwe, Mac

29 April 1968: Zimbabwe: Umtali mine adit: TM: 1 [1 - **1** - **1**].
21 November 1974: South Africa: Farm Randstephane 455 KQ [=Farm Donkerpoort 448], Zandspruit Caves: TM: 1 [1 - **1** - **1**].
6 November 1987: South Africa: Farm Hartebeesthoek: TM: 6 [6 - **6** - **6**].
2 December 1987: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 16 [16 - **16** - **16**].
7 January 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 24 [24 - **24** - **24**].
27 January 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 6 [6 - **6** - **6**].
27 May 1988: South Africa: Irene, Irene cave: TM: 5 [5 - **5** - **5**].

5 July 1988: South Africa: American cave: TM: 3 [3 - **3** - **3**].
6 July 1988: South Africa: American cave: TM: 3 [3 - **3** - **3**].
2 November 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 14 [14 - **14** - **14**].
13 April 1989: South Africa: Irene, Irene cave: TM: 1 [1 - **1** - **1**].
28 September 1989: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 47 [47 - **47** - **47**].

Total Specimens for van der Merwe, Mac: 127

van der Merwe, Mac; Jones, E.M.

27 January 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].
28 January 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 2 [2 - **2** - **2**].

Total Specimens for van der Merwe, Mac; Jones, E.M.: 3

Van der Straeten, Erik

1 February 2005: South Africa: Mata Mata camp: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Van der Straeten, Erik: 1

Van der Wal, M.

1 May 1988: Burkina Faso: Nazinga: ZMA: 3 [3 - **3** - **3**].
31 May 1988: Burkina Faso: Nazinga: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Van der Wal, M.: 4

van der Westhuizen, P.

3 February 1982: South Africa: Hester Malan Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for van der Westhuizen, P.: 1

Van der Zon, A.P.M.

1 March 1985: Cameroon: Hippopotamus Campside: ZMA: 2 [2 - **2** - **2**].
4 February 1986: Cameroon: Mayo Vaimba river: ZMA: 1 [1 - **1** - **1**].
4 November 1986: Cameroon: Mayo Vaimba river: ZMA: 4 [4 - **4** - **4**].
10 February 1987: Cameroon: Somalomo: ZMA: 6 [6 - **6** - **6**].
11 February 1987: Cameroon: Somalomo: ZMA: 2 [2 - **2** - **2**].
12 February 1987: Cameroon: Somalomo: ZMA: 5 [5 - **5** - **5**].
19 March 1987: Cameroon: Lolabé: ZMA: 2 [2 - **2** - **2**].
20 September 1988: Cameroon: Kalamaloué forest and game reserve: ZMA: 1 [1 - **1** - **1**].
18 January 1989: Cameroon: Somalomo: ZMA: 2 [2 - **2** - **2**].
20 January 1989: Cameroon: Somalomo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Van der Zon, A.P.M.: 26

Van Ee, W.F.

22 January 1951: South Africa: Bloemfontein: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Van Ee, W.F.: 1

Van Gelder, Richard George
(1928 - 1994)

7 October 1968: Mozambique: Zinave: AMNH: 2 [2 - **2** - **2**].
11 October 1968: Mozambique: Zinave: AMNH: 1 [1 - **1** - **1**].
12 October 1968: Mozambique: Gupata, ca. 50 mi. NE. Zinave: AMNH: 1 [1] - Nogochene caves: AMNH: 29 [29] - Zinave, 30 mi NE: AMNH: 1 [1 - **31** - **31**].
17 October 1968: Mozambique: Zinave: AMNH: 1 [1 - **1** - **1**].
14 October 1970: Namibia: Rehderstal ranch: AMNH: 3 [3 - **3** - **3**].

Total Specimens for Van Gelder, Richard George: 38

van Hoepen

24 November 1921: South Africa: American cave: TM: 2 [2 - **2** - **2**].

Total Specimens for van Hoepen: 2

Van Hoof

Collection Date Unknown: Congo (Democratic Republic of the): Mutwanga: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Van Hoof: 1

Van Iseghem

20 October 1955: Congo (Democratic Republic of the): Kashiobwe: RMCA: 17 [17 - **17** - **17**].
28 December 1956: Congo (Democratic Republic of the): Kasenga mission: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Van Iseghem: 18

Van Neer, Wim

22 June 1988: Gabon: Booué: RMCA: 1 [1 - **1** - **1**].
5 November 2001: Egypt: Shenhour: RMCA: 3 [3 - **3** - **3**].
2 February 2002: Egypt: Hierakopolis: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Van Neer, Wim: 7

Van Neer, Wim; Doutrelepont, Hughes

26 January 1992: Cameroon: Bali: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Van Neer, Wim; Doutrelepont, Hughes: 1

Van Noten, Francis

6 May 1964: Zambia: Lochinvar: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Van Noten, Francis: 1

Van Oordt, Gregorius Johannes
(19 March 1892: Arnhem - 22 April 1963: Bilthoven)

17 September 1938: South Africa: Millwood goldmine: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Van Oordt, Gregorius Johannes: 1

Van Oost

26 January 1958: Congo (Democratic Republic of the): Bunkeya: RMCA: 1 [1 - **1** - **1**].
24 March 1958: Congo (Democratic Republic of the): Bunkeya: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Van Oost: 2

Van Orshoven, Jo

Collection Date Unknown: Guinea: Kankasili: ZMA: 55 [55 - **55** - **55**].
23 April 1963: Congo (Democratic Republic of the): Lovanium university: ZMA: 1 [1 - **1** - **1**].
23 November 1963: Congo (Democratic Republic of the): Lovanium university: ZMA: 1 [1 - **1** - **1**].
21 April 1964: Congo (Democratic Republic of the): Kinshasa: ZMA: 1 [1 - **1** - **1**].
2 May 1964: Congo (Democratic Republic of the): Kinshasa: ZMA: 1 [1 - **1** - **1**].
8 July 1964: Congo (Democratic Republic of the): Lovanium university: ZMA: 1 [1 - **1** - **1**].
26 November 1966: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
1 December 1966: Guinea: Kankasili: ZMA: 2 [2 - **2** - **2**].
12 December 1966: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
14 December 1966: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
15 December 1966: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
16 December 1966: Guinea: Kankasili: ZMA: 2 [2 - **2** - **2**].
19 December 1966: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
20 December 1966: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
22 December 1966: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
23 December 1966: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
24 December 1966: Guinea: Kankasili: ZMA: 2 [2 - **2** - **2**].
31 December 1966: Guinea: Kankasili: ZMA: 2 [2 - **2** - **2**].
1 January 1967: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
2 January 1967: Guinea: Kankasili: ZMA: 2 [2 - **2** - **2**].
3 January 1967: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
4 January 1967: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
5 January 1967: Guinea: Kankasili: ZMA: 2 [2 - **2** - **2**].
6 January 1967: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
7 January 1967: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
8 January 1967: Guinea: Kankasili: ZMA: 4 [4 - **4** - **4**].

16 January 1967: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
20 January 1967: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
22 January 1967: Guinea: Kankasili: ZMA: 3 [3 - **3** - **3**].
1 February 1967: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
8 February 1967: Guinea: Kankasili: ZMA: 3 [3 - **3** - **3**].
9 February 1967: Guinea: Kankasili: ZMA: 5 [5 - **5** - **5**].
10 February 1967: Guinea: Kankasili: ZMA: 3 [3 - **3** - **3**].
11 February 1967: Guinea: Kankasili: ZMA: 2 [2 - **2** - **2**].
12 February 1967: Guinea: Kankasili: ZMA: 2 [2 - **2** - **2**].
15 February 1967: Guinea: Kankasili: ZMA: 3 [3 - **3** - **3**].
25 February 1967: Guinea: Kankasili: ZMA: 18 [18 - **18** - **18**].
1 March 1967: Guinea: Kankasili: ZMA: 9 [9 - **9** - **9**].
24 December 1967: Guinea: Kankasili: ZMA: 1 [1 - **1** - **1**].
14 November 1968: Guinea: Kankasili and Souguéta, between: ZMA: 1 [1 - **1** - **1**].
1 December 1968: Guinea: Kankasili and Souguéta, between: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Van Orshoven, Jo: 143

Van Parijs

20 February 1962: Rwanda: Astrida: RMCA: 4 [4 - **4** - **4**].
1 March 1962: Rwanda: Astrida: RMCA: 16 [16] - Nyakibanda: RMCA: 12 [12 - **28** - **28**].
15 May 1962: Rwanda: Astrida: RMCA: 14 [14 - **14** - **14**].

Total Specimens for Van Parijs: 46

Van Parreyss

Collection Date Unknown: Sudan: Sennaar: NMW: 1 [1 - **1** - **1**].

Total Specimens for Van Parreyss: 1

Van Praet

15 August 1971: Cameroon: Yagoua or Waza: RMCA: 5 [5 - **5** - **5**].

Total Specimens for Van Praet: 5

van Rhyn, J.

4 November 1987: South Africa: Nelspruit: TM: 1 [1 - **1** - **1**].

Total Specimens for van Rhyn, J.: 1

Van Riel

Collection Date Unknown: Congo (Democratic Republic of the): Boma: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Van Riel: 2

Van Saceghem, R.
(1884 - 1965)

Collection Date Unknown: Congo (Democratic Republic of the): Zambi: RMCA: 4 [4 - **4**].
Rwanda: Kisenyi: RMCA: 1 [1 - **1** - **5**].
1 January 1926: Congo (Democratic Republic of the): Katentania: RMCA: 1 [1 - **1** - **1**].
1 January 1942: Rwanda: Kisenyi: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Van Saceghem, R.: 7

Van Schalkwyk, Oldrich; Gaigher, Ian

30 January 2014: South Africa: Lajuma Research Center: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Van Schalkwyk, Oldrich; Gaigher, Ian: 1

van Son, G.

6 January 1922: South Africa: Farm Uitkyk: TM: 1 [1 - **1** - **1**].
5 April 1924: South Africa: Gravelotte mines: TM: 1 [1 - **1** - **1**].
5 January 1933: South Africa: Farm Uitkyk: TM: 2 [2 - **2** - **2**].
6 January 1933: South Africa: Farm Uitkyk: TM: 2 [2] - Mogale City [=Krugersdorp]: TM: 1 [1 - **3** - **3**].
7 January 1933: South Africa: Farm Uitkyk: TM: 2 [2] - Mogale City [=Krugersdorp]: TM: 2 [2 - **4** - **4**].

30 January 1933: South Africa: Farm Uitkyk: TM: 6 [6] - Mogale City [=Krugersdorp]: TM: 1 [1 - **7** - **7**].

Total Specimens for van Son, G.: 18

Van Strien, Nico J.

Collection Date Unknown: Malawi: Unknown locality: RMNH: 1 [1 - **1** - **1**].
1 December 1967: Malawi: Nsanje: ZMA: 1 [1 - **1** - **1**].
1 July 1986: Malawi: Unknown locality: ZMA: 2 [2 - **2** - **2**].
2 March 1987: Malawi: Balaka, 20 km N: ZMA: 3 [3 - **3** - **3**].
13 June 1987: Malawi: Zomba: ZMA: 1 [1 - **1** - **1**].
16 June 1987: Malawi: Zomba: ZMA: 1 [1 - **1** - **1**].
8 September 1987: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
10 September 1987: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
20 October 1987: Malawi: Mpyupyu Prison Farm: ZMA: 3 [3 - **3** - **3**].
21 October 1987: Malawi: Mpyupyu Prison Farm: ZMA: 3 [3 - **3** - **3**].
24 October 1987: Malawi: Mvu Camp: ZMA: 1 [1 - **1** - **1**].
30 October 1987: Malawi: Namazo Bay: ZMA: 3 [3 - **3** - **3**].
31 October 1987: Malawi: Namazo Bay: ZMA: 1 [1 - **1** - **1**].
8 December 1987: Malawi: Mulunguzi Road, 10: ZMA: 4 [4 - **4** - **4**].
11 December 1987: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
23 December 1987: Malawi: Ntchisi Forest guesthouse: ZMA: 1 [1] - Ntchisi Forestry Resthouse: ZMA: 3 [3 - **4** - **4**].
24 December 1987: Malawi: Ntchisi Forest guesthouse: ZMA: 2 [2 - **2** - **2**].
10 January 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
22 January 1988: Malawi: Mulunguzi Road, 10: ZMA: 2 [2 - **2** - **2**].
23 January 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
25 January 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
14 February 1988: Malawi: Kalimbuka: ZMA: 1 [1 - **1** - **1**].
19 February 1988: Malawi: Kalimbuka: ZMA: 1 [1 - **1** - **1**].
24 February 1988: Malawi: Zomba: ZMA: 1 [1 - **1** - **1**].
4 March 1988: Malawi: Namazo Bay: ZMA: 3 [3 - **3** - **3**].
12 March 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
18 March 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
8 April 1988: Malawi: Namazo Bay: ZMA: 1 [1 - **1** - **1**].
9 April 1988: Malawi: Namazo Bay: ZMA: 1 [1 - **1** - **1**].
24 April 1988: Malawi: Chimpeni farm: ZMA: 2 [2] - Chipeni Farm: ZMA: 2 [2 - **4** - **4**].
14 May 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
18 May 1988: Malawi: Lifupa Camp: ZMA: 2 [2 - **2** - **2**].
19 May 1988: Malawi: Lifupa Camp: ZMA: 2 [2 - **2** - **2**].
20 May 1988: Malawi: Ntchisi Forest guesthouse: ZMA: 2 [2 - **2** - **2**].
23 May 1988: Malawi: Bua Camp, Guard houses: ZMA: 1 [1 - **1** - **1**].
4 June 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
10 June 1988: Malawi: Lengwe National Park, near pool along link road, Tourist Camp, 3 km W: ZMA: 2 [2 - **2** - **2**].
14 June 1988: Malawi: Chingwe's Hole: ZMA: 5 [5 - **5** - **5**].
15 June 1988: Malawi: Mulunguzi-dam: ZMA: 1 [1 - **1** - **1**].
1 July 1988: Malawi: Lengwe National Park: ZMA: 2 [2 - **2** - **2**].
2 July 1988: Malawi: Lengwe National Park, near pool along link road, Tourist Camp, 3 km W: ZMA: 1 [1 - **1** - **1**].
3 July 1988: Malawi: Lengwe National Park, near pool along link road, Tourist Camp, 3 km W: ZMA: 1 [1 - **1** - **1**].
10 July 1988: Malawi: Monkey Bay, 4-5 km from: ZMA: 1 [1 - **1** - **1**].
4 August 1988: Malawi: Namazo Bay: ZMA: 1 [1 - **1** - **1**].
1 September 1988: Malawi: Malosa: ZMA: 4 [4 - **4** - **4**].
5 October 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
27 October 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
6 November 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
25 November 1988: Malawi: Mulunguzi Road, 10: ZMA: 2 [2 - **2** - **2**].
30 November 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
6 December 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
7 December 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
11 December 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
13 December 1988: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
15 December 1988: Malawi: Mulunguzi Road, 10: ZMA: 4 [4 - **4** - **4**].
24 December 1988: Malawi: Namazo Bay: ZMA: 3 [3 - **3** - **3**].
25 December 1988: Malawi: Monkey Bay, 4-5 km from: ZMA: 8 [8 - **8** - **8**].
26 December 1988: Malawi: Namazo Bay: ZMA: 2 [2 - **2** - **2**].
29 December 1988: Malawi: Zomba plateau, foot of: ZMA: 1 [1 - **1** - **1**].
30 December 1988: Malawi: Mulunguzi-dam: ZMA: 2 [2 - **2** - **2**].
31 December 1988: Malawi: Malosa: ZMA: 1 [1 - **1** - **1**].
9 February 1989: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
10 February 1989: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
14 February 1989: Malawi: Malosa: ZMA: 1 [1 - **1** - **1**].
22 February 1989: Malawi: Mulunguzi Road, 10: ZMA: 2 [2 - **2** - **2**].
1 March 1989: Malawi: Muona Mission: ZMA: 1 [1 - **1** - **1**].
2 March 1989: Malawi: Mpherere Mission: ZMA: 1 [1 - **1** - **1**].
23 March 1989: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
24 March 1989: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].

25 March 1989: Malawi: Mulunguzi Road, 10: ZMA: 2 [2 - **2** - **2**].
10 May 1989: Malawi: Blantyre and Zomba, between: ZMA: 1 [1 - **1** - **1**].
21 June 1989: Malawi: Golden Sands Camp: ZMA: 3 [3 - **3** - **3**].
6 July 1989: Malawi: Livingstonia Beach: ZMA: 3 [3 - **3** - **3**].
7 July 1989: Malawi: Salima-Senga Bay: ZMA: 1 [1 - **1** - **1**].
25 October 1989: Malawi: Nkhata Bay: ZMA: 2 [2 - **2** - **2**].
5 November 1989: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
10 November 1989: Malawi: Chinguni Resthouse: ZMA: 1 [1 - **1** - **1**].
21 November 1989: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
17 December 1989: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
23 December 1989: Malawi: Nkhota Bay: ZMA: 2 [2 - **2** - **2**].
24 December 1989: Malawi: Nkhata Bay: BDUMZ: 1, ZMA: 2 [3 - **3** - **3**].
25 December 1989: Malawi: Nkhata Bay: ZMA: 1 [1 - **1** - **1**].
27 December 1989: Malawi: Vwaza Marsh Game Park: ZMA: 1 [1 - **1** - **1**].
29 December 1989: Malawi: Karonga, 10 km W: ZMA: 2 [2 - **2** - **2**].
21 January 1990: Malawi: Mulunguzi Road, 10: ZMA: 1 [1 - **1** - **1**].
6 April 1990: Malawi: Mbalame Mountain: ZMA: 4 [4 - **4** - **4**].
21 June 1990: Malawi: Misuku-Mughese Mission: ZMA: 11 [11 - **11** - **11**].
22 June 1990: Malawi: Misuku-Mughese Mission: ZMA: 1 [1 - **1** - **1**].
23 June 1990: Malawi: Misuku-Mughese Mission: ZMA: 2 [2 - **2** - **2**].
29 December 1990: Malawi: Chilinda Camp: ZMA: 1 [1 - **1** - **1**].
30 December 1990: Malawi: Karonga beach: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Van Strien, Nico J.: 166

Van Vegten, J.

17 May 1966: Kenya: Rocky Island, Uhaya Bay: ZMA: 1 [1 - **1** - **1**].
27 July 1966: Kenya: Bondo: ZMA: 2 [2 - **2** - **2**].
28 July 1966: Kenya: Bondo, 4 mi [=6.4 km] W: ZMA: 1 [1 - **1** - **1**].
19 August 1966: Kenya: Bondo: ZMA: 1 [1 - **1** - **1**].
18 February 1967: Kenya: Bikobo, lava cave: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Van Vegten, J.: 7

Van Woensel, R.P.

18 April 1946: Congo (Democratic Republic of the): Zobia: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Van Woensel, R.P.: 1

van Woersem, I.

Collection Date Unknown: Benin: Unknown locality: RMNH: 44 [44 - **44** - **44**].
1 January 1985: Benin: Bodjecali: ZMA: 8 [8] - Parakou and Malanville, road between: ZMA: 1 [1 - **9** - **9**].
1 March 1986: Benin: Bodjecali: ZMA: 1 [1 - **1** - **1**].
1 June 1986: Benin: Garou: ZMA: 1 [1 - **1** - **1**].
1 October 1986: Benin: Malanville: ZMA: 3 [3 - **3** - **3**].
1 November 1986: Benin: Parakou: ZMA: 1 [1 - **1** - **1**].
1 March 1987: Benin: Garou: ZMA: 5 [5 - **5** - **5**].
11 March 1987: Benin: Garou: ZMA: 4 [4 - **4** - **4**].
16 April 1987: Benin: Angaradébou: ZMA: 2 [2 - **2** - **2**].
21 April 1987: Benin: Bodjécali: ZMA: 1 [1 - **1** - **1**].
1 November 1988: Benin: Kandi and Malanville, road between: ZMA: 1 [1 - **1** - **1**].
1 May 1991: Mali: Niono: ZMA: 1 [1 - **1** - **1**].

Total Specimens for van Woersem, I.: 73

Vandenbranden

Collection Date Unknown: Congo (Democratic Republic of the): Léopoldville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Vandenbranden: 1

Vanderborght

Collection Date Unknown: Congo (Democratic Republic of the): Kasaka: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Vanderborght: 1

Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.

20 August 1971: Rwanda: Muhasi: RMCA: 1 [1 - **1** - **1**].
23 August 1971: Rwanda: Muhasi: RMCA: 2 [2 - **2** - **2**].
25 August 1971: Rwanda: Muhasi: RMCA: 4 [4 - **4** - **4**].

19 November 1971: Rwanda: Kigali: RMCA: 1 [1] - Masaka - Kigali: RMCA: 3 [3 - **4** - **4**].
2 December 1971: Rwanda: Kibuye: RMCA: 1 [1 - **1** - **1**].
3 December 1971: Rwanda: Kibuye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: 13

Vanderijst, R.P.

Collection Date Unknown: Congo (Democratic Republic of the): Kisantu: RMCA: 3 [3 - **3** - **3**].
1 January 1920: Congo (Democratic Republic of the): Kikwit: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Vanderijst, R.P.: 4

Vandeventer, W.

Collection Date Unknown: South Africa: King Williamstown: CM: 1 [1 - **1** - **1**].

Total Specimens for Vandeventer, W.: 1

Varty, Nigel

Collection Date Unknown: Somalia: Unknown locality: BMNH: 22 [22] - Jubba Valley, Shonto Forest: BMNH: 1 [1] - Shoonto forest: BMNH: 1 [1 - **24** - **24**].

Total Specimens for Varty, Nigel: 24

Vasenkov, Denis A.; Lavrenchenko, Leonid A.

22 March 2010: Ethiopia: Gelego: ZMMU: 2 [2 - **2** - **2**].
23 March 2010: Ethiopia: Gelego: ZMMU: 1 [1 - **1** - **1**].
24 March 2010: Ethiopia: Gelego: ZMMU: 1 [1 - **1** - **1**].
25 March 2010: Ethiopia: Gelego: ZMMU: 1 [1 - **1** - **1**].
26 March 2010: Ethiopia: Gelego: ZMMU: 21 [21 - **21** - **21**].
27 March 2010: Ethiopia: Gelego: ZMMU: 5 [5 - **5** - **5**].
29 March 2010: Ethiopia: Amjale: ZMMU: 1 [1 - **1** - **1**].
30 March 2010: Ethiopia: Amjale: ZMMU: 6 [6 - **6** - **6**].
31 March 2010: Ethiopia: Amjale: ZMMU: 3 [3 - **3** - **3**].
2 April 2010: Ethiopia: Amjale: ZMMU: 4 [4 - **4** - **4**].
3 April 2010: Ethiopia: Amjale: ZMMU: 11 [11 - **11** - **11**].
4 April 2010: Ethiopia: Amjale: ZMMU: 11 [11 - **11** - **11**].
5 April 2010: Ethiopia: Amjale: ZMMU: 3 [3 - **3** - **3**].
7 April 2010: Ethiopia: Amjale: ZMMU: 2 [2] - Bermil: ZMMU: 1 [1 - **3** - **3**].
8 April 2010: Ethiopia: Bermil: ZMMU: 5 [5 - **5** - **5**].
9 April 2010: Ethiopia: Bermil: ZMMU: 6 [6 - **6** - **6**].
10 April 2010: Ethiopia: Bermil: ZMMU: 3 [3 - **3** - **3**].
11 April 2010: Ethiopia: Bermil: ZMMU: 5 [5 - **5** - **5**].
14 April 2010: Ethiopia: Grara: ZMMU: 9 [9 - **9** - **9**].
15 April 2010: Ethiopia: Grara: ZMMU: 5 [5 - **5** - **5**].
17 April 2010: Ethiopia: Megenagne: ZMMU: 1 [1 - **1** - **1**].
18 April 2010: Ethiopia: Megenagne: ZMMU: 5 [5 - **5** - **5**].
19 April 2010: Ethiopia: Megenagne: ZMMU: 3 [3 - **3** - **3**].
21 April 2010: Ethiopia: Megenagne: ZMMU: 2 [2 - **2** - **2**].

Total Specimens for Vasenkov, Denis A.; Lavrenchenko, Leonid A.: 117

Vaughan, Terry A.

4 November 1973: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].
6 November 1973: Kenya: Kibwezi: WAM: 1 [1 - **1** - **1**].

Total Specimens for Vaughan, Terry A.: 2

Vaughan, Tom; Vaughan, Pamela

2 November 1972: Tunisia: El Hauaria, 1.5 km NE: TTU: 15 [15 - **15** - **15**].
8 November 1972: Tunisia: Bat cave: TTU: 17 [17 - **17** - **17**].
19 November 1972: Tunisia: Bulla Regia: TTU: 6 [6] - Chemtou: TTU: 5 [5 - **11** - **11**].
25 February 1973: Tunisia: on GP 3 in underground aquduct: TTU: 27 [27 - **27** - **27**].
25 April 1973: Tunisia: Sidi Hassen Ayet memorial building: TTU: 7 [7 - **7** - **7**].
27 April 1973: Tunisia: on GP 3 in underground aquduct: TTU: 8 [8 - **8** - **8**].
4 May 1973: Tunisia: Bat cave: TTU: 2 [2 - **2** - **2**].
31 May 1973: Tunisia: Toujane, 3 km NW: TTU: 11 [11 - **11** - **11**].
4 June 1973: Tunisia: Tatahouine: TTU: 1 [1 - **1** - **1**].
5 June 1973: Tunisia: Foum Tatahouine, 2 km S: TTU: 6 [6] - Tatahouine: TTU: 1 [1 - **7** - **7**].
6 September 1973: Tunisia: Grombalia, 10 km W: TTU: 1 [1 - **1** - **1**].

11 September 1973: Tunisia: Entouna mine: TTU: 6 [6 - **6** - **6**].
3 October 1973: Tunisia: Sidi Tayeaa: TTU: 4 [4 - **4** - **4**].
4 October 1973: Tunisia: Zaghouan, 3 km S: TTU: 10 [10 - **10** - **10**].
5 October 1973: Tunisia: Zaghouan, 3 km S: TTU: 22 [22 - **22** - **22**].
12 October 1973: Tunisia: El Ouidiane abandoned coal mine: TTU: 12 [12 - **12** - **12**].
17 October 1973: Tunisia: Sidi Mansour area: TTU: 1 [1 - **1** - **1**].
25 October 1973: Tunisia: Sidi Messaoud, mine tunnel near: TTU: 1 [1 - **1** - **1**].
26 December 1973: Tunisia: Bulla Regia: TTU: 1 [1 - **1** - **1**].
17 January 1974: Tunisia: Zaghouan, 3 km S: TTU: 4 [4 - **4** - **4**].
28 January 1974: Tunisia: Scarna mine: TTU: 2 [2 - **2** - **2**].
26 February 1974: Tunisia: Zaghouan, 3 km S: TTU: 10 [10 - **10** - **10**].
2 March 1974: Tunisia: Chemtou: TTU: 1 [1 - **1** - **1**].
10 May 1974: Tunisia: Entouna mine: TTU: 4 [4 - **4** - **4**].
26 May 1974: Tunisia: Tatahouine: TTU: 1 [1 - **1** - **1**].
27 May 1974: Tunisia: Tatahouine: TTU: 1 [1 - **1** - **1**].
28 May 1974: Tunisia: Toujane, 3 km NW: TTU: 10 [10 - **10** - **10**].
7 June 1974: Tunisia: Mezel Temime, 3 km SE: TTU: 1 [1 - **1** - **1**].
9 June 1974: Tunisia: El Haouaria, 2 km N: TTU: 3 [3] - El Haouaria, 2 km NE: TTU: 8 [8 - **11** - **11**].
8 July 1974: Tunisia: Tamerza oasis: TTU: 1 [1 - **1** - **1**].
10 July 1974: Tunisia: Redeyef, 4 km S: TTU: 9 [9 - **9** - **9**].
12 July 1974: Tunisia: Djebel Ank mine: TTU: 7 [7 - **7** - **7**].
14 July 1974: Tunisia: M'Dilla abandoned Phosphate mines: TTU: 6 [6 - **6** - **6**].
16 July 1974: Tunisia: Djebel Trozza mine: TTU: 3 [3] - Sbeitla, pool 40 km NW: TTU: 15 [15 - **18** - **18**].
17 July 1974: Tunisia: Sbeitla, pool 40 km NW: TTU: 2 [2 - **2** - **2**].
26 July 1974: Tunisia: Scarna mine: TTU: 22 [22 - **22** - **22**].
28 July 1974: Tunisia: Scarna mine: TTU: 3 [3 - **3** - **3**].
29 July 1974: Tunisia: Djebel Oust: TTU: 5 [5 - **5** - **5**].
31 July 1974: Tunisia: Maktar ruins: TTU: 6 [6 - **6** - **6**].
7 August 1974: Tunisia: Djebel Rassas: TTU: 1 [1 - **1** - **1**].
12 August 1974: Tunisia: Djebel Rassas: TTU: 1 [1 - **1** - **1**].
14 August 1974: Tunisia: Zaghouan, 3 km S: TTU: 1 [1 - **1** - **1**].
16 August 1974: Tunisia: Hammam Djedidi, mine tunnel: TTU: 1 [1 - **1** - **1**].
23 August 1974: Tunisia: Djebel Rassas: TTU: 4 [4 - **4** - **4**].
24 October 1974: Tunisia: Djebel Rassas: TTU: 18 [18 - **18** - **18**].
13 November 1974: Tunisia: Kheredine: TTU: 1 [1 - **1** - **1**].
5 January 1975: Tunisia: Utica ruins: TTU: 3 [3 - **3** - **3**].
13 January 1975: Tunisia: Zaghouan, 3 km S: TTU: 4 [4 - **4** - **4**].
21 January 1975: Tunisia: Oudna Station, 1 km SE: TTU: 3 [3 - **3** - **3**].
26 February 1975: Tunisia: Zaghouan, 3 km S: TTU: 1 [1 - **1** - **1**].
3 April 1975: Tunisia: Entouna mine: TTU: 1 [1 - **1** - **1**].
19 April 1975: Tunisia: Ain Draham, 5 km NE: TTU: 7 [7 - **7** - **7**].
26 April 1975: Tunisia: Djebel Zaghouan, 4 km W Poste Optique: TTU: 8 [8] - Djebel Zaghouan, cave at Poste Optique: TTU: 1 [1] - Zaghouan, 3 km S: TTU: 4 [4 - **13** - **13**].
30 April 1975: Tunisia: Djebel Zaghouan, cave at Poste Optique: TTU: 8 [8] - Zaghouan, 3 km S: TTU: 4 [4 - **12** - **12**].
4 May 1975: Tunisia: Bat cave: TTU: 2 [2] - El Haouaria, 4 km NE: USNM: 1 [1 - **3** - **3**].
8 May 1975: Tunisia: Djebel Rassas: TTU: 12 [12 - **12** - **12**].
27 May 1975: Tunisia: on road to Aioun Ameur, cave with mine: TTU: 4 [4] - Redeyef, 4 km S: TTU: 6 [6 - **10** - **10**].
12 August 1975: Tunisia: Djebel Rassas: TTU: 2 [2 - **2** - **2**].

Total Specimens for Vaughan, Tom; Vaughan, Pamela: 386

Vaughan-Kirby, Frederick; Roberts, Austin

27 October 1908: Mozambique: Norture Boror: TM: 1 [1 - **1** - **1**].

Total Specimens for Vaughan-Kirby, Frederick; Roberts, Austin: 1

Veerkamp

1 August 1986: Comoros: Mutsamudu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Veerkamp: 1

Venter

11 January 1965: South Africa: Hennops river: TM: 1 [1 - **1** - **1**].

Total Specimens for Venter: 1

Venter, F.

8 January 1991: South Africa: Skukuza: KNP: 1 [1 - **1** - **1**].

Total Specimens for Venter, F.: 1

Venter, J.

23 March 1938: South Africa: Waterberg, Vaalwater: TM: 1 [1 - **1** - **1**].

Total Specimens for Venter, J.: 1

Verbuyt, P.

17 April 1954: Congo (Democratic Republic of the): Boangi: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Verbuyt, P.: 2

Vercammen, P.G.

Collection Date Unknown: Congo (Democratic Republic of the): Bukavu: RMCA: 2 [2 - **2**].
Rwanda: Astrida: RMCA: 1 [1 - **1** - **3**].
1 January 1952: Congo (Democratic Republic of the): Bukavu: RMCA: 1 [1 - **1** - **1**].
2 May 1952: Rwanda: Astrida: RMCA: 1 [1 - **1** - **1**].
13 May 1952: Rwanda: Astrida: RMCA: 2 [2 - **2** - **2**].
16 August 1952: Congo (Democratic Republic of the): Bukavu: RMCA: 4 [4] - Shabunda: RMCA: 2 [2 - **6** - **6**].

Total Specimens for Vercammen, P.G.: 13

Verdick, Edgar
(1868: Brussels - 1827: Brussels)

Collection Date Unknown: Congo (Democratic Republic of the): Lofoi: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verdick, Edgar: 1

Verhagen, Ron; Leirs, Herwig

7 July 1988: Tanzania: Mkundi: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verhagen, Ron; Leirs, Herwig: 1

Verheyden; Fairon, Jacques

9 November 1970: Algeria: Hassi Kalifa: RBINS: 1 [1 - **1** - **1**].

Total Specimens for Verheyden; Fairon, Jacques: 1

Verheyen, Walter N.

Collection Date Unknown: Côte d'Ivoire: Unknown locality: RMCA: 1 [1 - **1** - **1**].
1 December 1962: Congo (Democratic Republic of the): Baya carrière: RMCA: 5 [5 - **5** - **5**].
17 May 1965: Congo (Democratic Republic of the): Baya carrière: RMCA: 68 [68 - **68** - **68**].
1 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
4 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2 - **2** - **2**].
5 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 5 [5 - **5** - **5**].
8 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 3 [3 - **3** - **3**].
11 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 4 [4 - **4** - **4**].
12 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 8 [8 - **8** - **8**].
22 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 3 [3 - **3** - **3**].
23 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
24 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 5 [5 - **5** - **5**].
3 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 6 [6 - **6** - **6**].
19 November 1975: Burundi: Tora: RMCA: 1 [1 - **1** - **1**].
22 January 1976: Cameroon: Koum: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verheyen, Walter N.: 114

Verheyen, Walter N.; André

1 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
23 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Verheyen, Walter N.; André: 3

Verheyen, Walter N.; De Roo, Antoon Emeric Marcel

Collection Date Unknown: Togo: Badou - Anonoe: RMCA: 1 [1] - Nanergou: RMCA: 1 [1] - no specific locality: RMCA: 2 [2 - **4** - **4**].
20 June 1968: Togo: Paio: RMCA: 1 [1 - **1** - **1**].

30 June 1968: Togo: Porto Séguro: RMCA: 4 [4 - **4** - **4**].
2 July 1968: Togo: Porto Séguro: RMCA: 2 [2 - **2** - **2**].
6 July 1968: Togo: Porto Séguro: RMCA: 4 [4 - **4** - **4**].
10 July 1968: Togo: Nuatja: RMCA: 3 [3 - **3** - **3**].
11 July 1968: Togo: Nuatja: RMCA: 13 [13 - **13** - **13**].
12 July 1968: Togo: Nuatja: RMCA: 2 [2 - **2** - **2**].
13 July 1968: Togo: Nuatja: RMCA: 2 [2 - **2** - **2**].
14 July 1968: Togo: Atakpamé: RMCA: 28 [28 - **28** - **28**].
15 July 1968: Togo: Atakpamé: RMCA: 1 [1 - **1** - **1**].
16 July 1968: Togo: Badou - Anonoe: RMCA: 21 [21 - **21** - **21**].
17 July 1968: Togo: Badou - Anonoe: RMCA: 40 [40 - **40** - **40**].
18 July 1968: Togo: Badou - Anonoe: RMCA: 17 [17 - **17** - **17**].
19 July 1968: Togo: Badou - Anonoe: RMCA: 27 [27 - **27** - **27**].
20 July 1968: Togo: Atakpamé: RMCA: 1 [1] - Badou - Anonoe: RMCA: 9 [9 - **10** - **10**].
24 July 1968: Togo: Aledjo: RMCA: 3 [3 - **3** - **3**].
25 July 1968: Togo: Aledjo: RMCA: 11 [11 - **11** - **11**].
26 July 1968: Togo: Aledjo: RMCA: 43 [43 - **43** - **43**].
27 July 1968: Togo: Aledjo: RMCA: 3 [3 - **3** - **3**].
28 July 1968: Togo: Aledjo: RMCA: 16 [16 - **16** - **16**].
29 July 1968: Togo: Aledjo: RMCA: 6 [6 - **6** - **6**].
30 July 1968: Togo: Aledjo: RMCA: 9 [9 - **9** - **9**].
31 July 1968: Togo: Aledjo: RMCA: 4 [4 - **4** - **4**].
1 August 1968: Togo: Aledjo: RMCA: 3 [3 - **3** - **3**].
13 August 1968: Togo: Nanergou: RMCA: 6 [6 - **6** - **6**].
14 August 1968: Togo: Nanergou: RMCA: 63 [63 - **63** - **63**].
15 August 1968: Togo: Nanergou: RMCA: 28 [28 - **28** - **28**].
16 August 1968: Togo: Nanergou: RMCA: 11 [11 - **11** - **11**].
17 August 1968: Togo: Dapango: RMCA: 1 [1] - Nanergou: RMCA: 1 [1] - Sansanné-Mango: RMCA: 19 [19 - **21** - **21**].
18 August 1968: Togo: Sansanné-Mango: RMCA: 1 [1 - **1** - **1**].
21 August 1968: Togo: Paio: RMCA: 5 [5 - **5** - **5**].
22 August 1968: Togo: Baoulé: RMCA: 1 [1] - Paio: RMCA: 11 [11 - **12** - **12**].
23 August 1968: Togo: Paio: RMCA: 4 [4 - **4** - **4**].
29 August 1968: Togo: Binaparba: RMCA: 8 [8 - **8** - **8**].
30 August 1968: Togo: Binaparba: RMCA: 6 [6 - **6** - **6**].
31 August 1968: Togo: Malfakassa: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: 443

Verheyen, Walter N.; De Vree, Frits

9 November 1970: Cameroon: Nkometou: RMCA: 2 [2 - **2** - **2**].
10 November 1970: Cameroon: Nkometou: RMCA: 5 [5 - **5** - **5**].
11 November 1970: Cameroon: Nkometou: RMCA: 2 [2 - **2** - **2**].
12 November 1970: Cameroon: Nkometou: RMCA: 3 [3 - **3** - **3**].
13 November 1970: Cameroon: Nkometou: RMCA: 5 [5 - **5** - **5**].
23 November 1970: Cameroon: Guemé: RMCA: 146 [146 - **146** - **146**].
24 November 1970: Cameroon: Yagoua: RMCA: 1 [1 - **1** - **1**].
25 November 1970: Cameroon: Yagoua: RMCA: 5 [5 - **5** - **5**].
26 November 1970: Cameroon: Guemé: RMCA: 2 [2] - Yagoua: RMCA: 10 [10 - **12** - **12**].
27 November 1970: Cameroon: Yagoua: RMCA: 16 [16 - **16** - **16**].
28 November 1970: Cameroon: Yagoua: RMCA: 11 [11 - **11** - **11**].
30 November 1970: Cameroon: Yagoua: RMCA: 61 [61 - **61** - **61**].
1 December 1970: Cameroon: Yagoua: RMCA: 15 [15 - **15** - **15**].
2 December 1970: Cameroon: Yagoua: RMCA: 26 [26 - **26** - **26**].
3 December 1970: Cameroon: Yagoua: RMCA: 39 [39 - **39** - **39**].
4 December 1970: Cameroon: Yagoua: RMCA: 5 [5 - **5** - **5**].
12 December 1970: Cameroon: Sir: RMCA: 1 [1 - **1** - **1**].
13 December 1970: Cameroon: Sir: RMCA: 22 [22 - **22** - **22**].
15 December 1970: Cameroon: Mokolo: RMCA: 16 [16] - Mokolo - Mayo Louti: RMCA: 3 [3] - Sir: RMCA: 4 [4 - **23** - **23**].
16 December 1970: Cameroon: Mokolo: RMCA: 2 [2] - Mokolo - Mayo Louti: RMCA: 2 [2 - **4** - **4**].
17 December 1970: Cameroon: Mokolo: RMCA: 15 [15] - Mokolo - Mayo Louti: RMCA: 10 [10 - **25** - **25**].
18 December 1970: Cameroon: Mokolo: RMCA: 2 [2] - Mokolo - Mayo Louti: RMCA: 17 [17 - **19** - **19**].
19 December 1970: Cameroon: Mokolo: RMCA: 3 [3] - Mokolo - Mayo Louti: RMCA: 17 [17 - **20** - **20**].
20 December 1970: Cameroon: Mokolo - Mayo Louti: RMCA: 5 [5 - **5** - **5**].
21 December 1970: Cameroon: Mokolo - Mayo Louti: RMCA: 1 [1 - **1** - **1**].
27 December 1970: Cameroon: Waza: RMCA: 11 [11 - **11** - **11**].
28 December 1970: Cameroon: Waza: RMCA: 18 [18 - **18** - **18**].
29 December 1970: Cameroon: Waza: RMCA: 26 [26 - **26** - **26**].
30 December 1970: Cameroon: Waza: RMCA: 56 [56 - **56** - **56**].
31 December 1970: Cameroon: Waza: RMCA: 19 [19 - **19** - **19**].

Total Specimens for Verheyen, Walter N.; De Vree, Frits: 604

Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.

Collection Date Unknown: Togo: Aledjo: RMCA: 1 [1] - no specific locality: RMCA: 2 [2 - **3** - **3**].
13 July 1969: Togo: Pogan: RMCA: 17 [17 - **17** - **17**].
18 July 1969: Togo: Aledjo: RMCA: 11 [11 - **11** - **11**].
19 July 1969: Togo: Aledjo: RMCA: 26 [26 - **26** - **26**].
20 July 1969: Togo: Aledjo: RMCA: 10 [10] - Péwa: RMCA: 3 [3 - **13** - **13**].
21 July 1969: Togo: Aledjo: RMCA: 12 [12] - Niamtougou: RMCA: 1 [1 - **13** - **13**].
22 July 1969: Togo: Niamtougou: RMCA: 1 [1 - **1** - **1**].
23 July 1969: Togo: Niamtougou: RMCA: 16 [16 - **16** - **16**].
24 July 1969: Togo: Niamtougou: RMCA: 8 [8 - **8** - **8**].
25 July 1969: Togo: Niamtougou: RMCA: 4 [4 - **4** - **4**].
27 July 1969: Togo: Namoundjoga: RMCA: 52 [52 - **52** - **52**].
28 July 1969: Togo: Namoundjoga: RMCA: 10 [10 - **10** - **10**].
29 July 1969: Togo: Namoundjoga: RMCA: 5 [5 - **5** - **5**].
30 July 1969: Togo: Dapango: RMCA: 13 [13] - Namoundjoga: RMCA: 22 [22 - **35** - **35**].
31 July 1969: Togo: Namoundjoga: RMCA: 20 [20 - **20** - **20**].
1 August 1969: Togo: Namoundjoga: RMCA: 10 [10 - **10** - **10**].
2 August 1969: Togo: Namoundjoga: RMCA: 8 [8 - **8** - **8**].
3 August 1969: Togo: Aledjo: RMCA: 18 [18 - **18** - **18**].
6 August 1969: Togo: Missahohé: RMCA: 2 [2 - **2** - **2**].
7 August 1969: Togo: Missahohé: RMCA: 4 [4 - **4** - **4**].
8 August 1969: Togo: Missahohé: RMCA: 35 [35] - Tomegbé: RMCA: 13 [13 - **48** - **48**].
9 August 1969: Togo: Missahohé: RMCA: 8 [8 - **8** - **8**].
10 August 1969: Togo: Missahohé: RMCA: 6 [6 - **6** - **6**].
11 August 1969: Togo: Missahohé: RMCA: 4 [4 - **4** - **4**].
20 August 1969: Togo: Fazao: RMCA: 2 [2 - **2** - **2**].
21 August 1969: Togo: Fazao: RMCA: 33 [33 - **33** - **33**].
22 August 1969: Togo: Fazao: RMCA: 29 [29 - **29** - **29**].
23 August 1969: Togo: Fazao: RMCA: 65 [65 - **65** - **65**].
24 August 1969: Togo: Fazao: RMCA: 24 [24 - **24** - **24**].
27 August 1969: Togo: Kolokopé: RMCA: 14 [14 - **14** - **14**].
28 August 1969: Togo: Kolokopé: RMCA: 27 [27 - **27** - **27**].
29 August 1969: Togo: Kolokopé: RMCA: 16 [16 - **16** - **16**].
30 August 1969: Togo: Kolokopé: RMCA: 13 [13 - **13** - **13**].
31 August 1969: Togo: Kolokopé: RMCA: 11 [11 - **11** - **11**].
1 September 1969: Togo: Kolokopé: RMCA: 10 [10 - **10** - **10**].
3 September 1969: Togo: Tététou: RMCA: 1 [1 - **1** - **1**].
4 September 1969: Togo: Tététou: RMCA: 7 [7 - **7** - **7**].
5 September 1969: Togo: Tététou: RMCA: 6 [6 - **6** - **6**].
6 September 1969: Togo: Tététou: RMCA: 9 [9 - **9** - **9**].
11 September 1969: Togo: Togoville: RMCA: 16 [16 - **16** - **16**].
12 September 1969: Togo: Togoville: RMCA: 26 [26 - **26** - **26**].
13 September 1969: Togo: Togoville: RMCA: 20 [20 - **20** - **20**].
14 September 1969: Togo: Togoville: RMCA: 8 [8 - **8** - **8**].
15 September 1969: Togo: Togoville: RMCA: 14 [14 - **14** - **14**].
16 September 1969: Togo: Togoville: RMCA: 8 [8 - **8** - **8**].
17 September 1969: Togo: Togoville: RMCA: 6 [6 - **6** - **6**].

Total Specimens for Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: 707

Verheyen, Walter N.; Leirs, Herwig

Collection Date Unknown: Tanzania: Mnara: RMCA: 3 [3 - **3** - **3**].
3 July 1987: Tanzania: Rondo Flat [Forest Reserve]: RMCA: 1 [1 - **1** - **1**].
5 July 1987: Tanzania: Mnara: RMCA: 49 [49 - **49** - **49**].
7 July 1987: Tanzania: Rondo Flat [Forest Reserve]: RMCA: 3 [3] - Rondo Forest Reserve: RMCA: 1 [1 - **4** - **4**].
15 July 1987: Tanzania: Ruangwa: RMCA: 1 [1 - **1** - **1**].
17 July 1987: Tanzania: Ruangwa: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verheyen, Walter N.; Leirs, Herwig: 59

Verheyen, Walter N.; Lucien

14 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 38 [38 - **38** - **38**].
15 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 22 [22 - **22** - **22**].
18 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 37 [37 - **37** - **37**].
22 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2 - **2** - **2**].
23 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
24 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2 - **2** - **2**].
9 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2 - **2** - **2**].
11 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verheyen, Walter N.; Lucien: 105

Verheyen, Walter N.; Michel

16 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 7 [7 - **7** - **7**].
17 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2 - **2** - **2**].
18 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Verheyen, Walter N.; Michel: 11

Verheyen, Walter N.; Michiels; Selens, M.

28 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verheyen, Walter N.; Michiels; Selens, M.: 1

Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel

1 January 1975: Cameroon: Unknown locality: RMCA: 2 [2 - **2** - **2**].
9 August 1975: Cameroon: Touroua: RMCA: 2 [2 - **2** - **2**].
14 December 1975: Cameroon: Unknown locality: RMCA: 3 [3] - Kounden: RMCA: 2 [2 - **5** - **5**].
26 December 1975: Cameroon: Kounden: RMCA: 6 [6 - **6** - **6**].
27 December 1975: Cameroon: Kounden: RMCA: 4 [4 - **4** - **4**].
29 December 1975: Cameroon: Kounden: RMCA: 1 [1 - **1** - **1**].
30 December 1975: Cameroon: Kounden: RMCA: 1 [1 - **1** - **1**].
1 January 1976: Cameroon: Kounden: RMCA: 3 [3 - **3** - **3**].
2 January 1976: Cameroon: Kounden: RMCA: 1 [1 - **1** - **1**].
9 January 1976: Cameroon: Touroua: RMCA: 1 [1 - **1** - **1**].
10 January 1976: Cameroon: Touroua: RMCA: 1 [1 - **1** - **1**].
11 January 1976: Cameroon: Touroua: RMCA: 4 [4 - **4** - **4**].
12 January 1976: Cameroon: Touroua: RMCA: 2 [2 - **2** - **2**].
14 January 1976: Cameroon: Touroua: RMCA: 2 [2 - **2** - **2**].
15 January 1976: Cameroon: Touroua: RMCA: 1 [1 - **1** - **1**].
28 January 1976: Cameroon: Miéri: RMCA: 5 [5 - **5** - **5**].
30 January 1976: Cameroon: Miéri: RMCA: 3 [3 - **3** - **3**].
1 February 1976: Cameroon: Kounden: RMCA: 1 [1] - Miéri: RMCA: 25 [25 - **26** - **26**].
2 February 1976: Cameroon: Kombé-Tiko: RMCA: 5 [5 - **5** - **5**].
4 February 1976: Cameroon: Kombé-Tiko: RMCA: 3 [3 - **3** - **3**].
5 February 1976: Cameroon: Kombé-Tiko: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: 79

Verheyen, Walter N.; Sehibi

10 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
17 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
22 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 4 [4 - **4** - **4**].
23 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Verheyen, Walter N.; Sehibi: 9

Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc

19 September 1987: Tanzania: Suma: RMCA: 2 [2 - **2** - **2**].
20 September 1987: Tanzania: Rungwe District: RMCA: 5 [5 - **5** - **5**].
21 September 1987: Tanzania: Rungwe District: RMCA: 2 [2 - **2** - **2**].
22 September 1987: Tanzania: Rungwe District: RMCA: 2 [2 - **2** - **2**].
23 September 1987: Tanzania: Rungwe District: RMCA: 4 [4 - **4** - **4**].
24 September 1987: Tanzania: Rungwe District: RMCA: 3 [3 - **3** - **3**].
25 September 1987: Tanzania: Rungwe District: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: 21

Verheyen, Walter N.; Thys Van den Audenaerde, Dirk

Collection Date Unknown: Côte d'Ivoire: Adiopodoumé: RMCA: 27 [27 - **27** - **27**].
2 June 1964: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
1 January 1965: Côte d'Ivoire: Buyo, 15 km from: RMCA: 1 [1 - **1** - **1**].
2 June 1966: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
16 July 1966: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
20 July 1966: Côte d'Ivoire: Flampleu: RMCA: 2 [2 - **2** - **2**].
25 July 1966: Côte d'Ivoire: Flampleu: RMCA: 2 [2 - **2** - **2**].
1 August 1966: Côte d'Ivoire: Toyébli: RMCA: 8 [8 - **8** - **8**].
2 August 1966: Côte d'Ivoire: Saibly: RMCA: 1 [1] - Toyébli: RMCA: 1 [1 - **2** - **2**].
3 August 1966: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2] - Toyébli: RMCA: 2 [2 - **4** - **4**].
23 August 1966: Côte d'Ivoire: Bouna: RMCA: 19 [19 - **19** - **19**].
24 August 1966: Côte d'Ivoire: Doropo: RMCA: 1 [1 - **1** - **1**].

26 August 1966: Côte d'Ivoire: Doropo: RMCA: 1 [1 - **1** - **1**].
27 August 1966: Côte d'Ivoire: Ouango Fetini: RMCA: 2 [2 - **2** - **2**].
12 October 1966: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: 73

Verheyen, Walter N.; Yao

14 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1] - Bouaké: RMCA: 1 [1 - **2** - **2**].
15 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 4 [4 - **4** - **4**].
18 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
22 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2 - **2** - **2**].
23 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 12 [12 - **12** - **12**].
4 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 2 [2] - Lallie, lake: RMCA: 1 [1 - **3** - **3**].
13 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verheyen, Walter N.; Yao: 25

Verheyen, Walter N.; Yapi

26 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 4 [4 - **4** - **4**].
28 February 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 11 [11 - **11** - **11**].
1 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 1 [1 - **1** - **1**].
3 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 8 [8 - **8** - **8**].
11 March 1972: Côte d'Ivoire: Adiopodoumé: RMCA: 8 [8 - **8** - **8**].

Total Specimens for Verheyen, Walter N.; Yapi: 32

Verhoustraete, G.

6 February 1957: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 1 [1 - **1** - **1**].
8 February 1957: Congo (Democratic Republic of the): Kakontwe cave: RMCA: 1 [1 - **1** - **1**].
2 April 1957: Congo (Democratic Republic of the): Defrenne cave: RMCA: 1 [1 - **1** - **1**].
3 April 1957: Congo (Democratic Republic of the): Defrenne cave: RMCA: 1 [1 - **1** - **1**].
2 April 1960: Congo (Democratic Republic of the): Albertville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Verhoustraete, G.: 5

Verhulst

Collection Date Unknown: Rwanda: Gabiro: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Verhulst: 2

Verlaine

Collection Date Unknown: Congo (Democratic Republic of the): Eala: RMCA: 1 [1 - **1** - **1**].
1 January 1921: Congo (Democratic Republic of the): Unknown locality: RMCA: 1 [1] - Eala: RMCA: 1 [1] - Equateur province: RMCA: 15 [15 - **17** - **17**].
20 November 1988: Congo (Democratic Republic of the): Unknown locality: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Verlaine: 20

Vernay, Arthur S.

8 January 1925: Angola: Chitau: AMNH: 14 [14 - **14** - **14**].
1 August 1925: Angola: Dande [= Dando], 35 km E: AMNH: 1 [1] - Dando, 35 km E: AMNH: 1 [1 - **2** - **2**].

Total Specimens for Vernay, Arthur S.: 16

Vernay, Arthur S.; Lang, Herbert

Collection Date Unknown: Tanzania: Mawere: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Vernay, Arthur S.; Lang, Herbert: 1

Vernay-Lang Kalahari Expedition 1930, The

Collection Date Unknown: Botswana: Kwai Mababe Flats: TM: 1 [1] - Maun: TM: 1 [1 - **2** - **2**].
29 March 1930: Botswana: Central Kalahari-GR, Kuke pan: TM: 1 [1 - **1** - **1**].
4 May 1930: Botswana: Gemsbok Pan: FMNH: 1 [1 - **1** - **1**].
23 May 1930: Botswana: Maun: FMNH: 2 [2 - **2** - **2**].
25 May 1930: Botswana: Maun: FMNH: 2, TM: 1 [3 - **3** - **3**].
29 May 1930: Botswana: Maun: TM: 1 [1 - **1** - **1**].
1 June 1930: Botswana: Kwai Mababe Flats: FMNH: 1 [1 - **1** - **1**].

7 June 1930: Botswana: Chobe-NP, north of Tsotsoroga Pan, Zweizwe [= Zweizwi River] Waterhole: TM: 1 [1 - **1**].
South Africa: Umfolozi Game Reserve: TM: 1 [1 - **1** - **2**].
17 June 1930: Botswana: Chobe-NP, Tsotsoroga Pan: FMNH: 2 [2 - **2** - **2**].
18 June 1930: Botswana: Chobe-NP, Tsotsoroga Pan: AMNH: 1, FMNH: 1, TM: 1 [3 - **3** - **3**].
19 June 1930: Botswana: Chobe-NP, Tsotsoroga Pan: FMNH: 3, TM: 2 [5 - **5** - **5**].
29 June 1930: Botswana: Chobe-NP, Tsotsoroga Pan: TM: 1 [1 - **1** - **1**].
8 July 1930: Botswana: Chobe-NP, Tsotsoroga Pan: FMNH: 1 [1 - **1** - **1**].
10 July 1930: Botswana: Goho Hills: FMNH: 4 [4 - **4** - **4**].
15 July 1930: Botswana: Goho Hills: FMNH: 1 [1 - **1** - **1**].
16 August 1930: Botswana: Nekate [= N'kate, Nekati]: TM: 1 [1 - **1** - **1**].
25 September 1930: Zambia: Kazungula: FMNH: 3 [3 - **3** - **3**].

Total Specimens for Vernay-Lang Kalahari Expedition 1930, The: 34

Veronese, C.

Collection Date Unknown: Togo: Unknown locality: RMCA: 358 [358] - Atakpamé: RMCA: 38 [38] - Evou or Atakpamé: RMCA: 8 [8] - no specific locality: RMCA: 2 [2 - **406** - **406**].
11 March 1961: Togo: Atakpamé: RMCA: 16 [16 - **16** - **16**].
12 March 1961: Togo: Atakpamé: RMCA: 22 [22 - **22** - **22**].
13 March 1961: Togo: Atakpamé: RMCA: 24 [24 - **24** - **24**].
14 March 1961: Togo: Atakpamé: RMCA: 22 [22 - **22** - **22**].
15 March 1961: Togo: Atakpamé: RMCA: 26 [26 - **26** - **26**].
16 March 1961: Togo: Atakpamé: RMCA: 8 [8 - **8** - **8**].
14 August 1968: Togo: no specific locality: RMCA: 1 [1 - **1** - **1**].
7 September 1968: Togo: Atakpamé: RMCA: 8 [8 - **8** - **8**].
8 September 1968: Togo: Atakpamé: RMCA: 4 [4 - **4** - **4**].
9 September 1968: Togo: Atakpamé: RMCA: 10 [10 - **10** - **10**].
10 September 1968: Togo: Atakpamé: RMCA: 6 [6 - **6** - **6**].
11 September 1968: Togo: Atakpamé: RMCA: 2 [2 - **2** - **2**].
12 September 1968: Togo: Atakpamé: RMCA: 7 [7 - **7** - **7**].
13 September 1968: Togo: Atakpamé: RMCA: 3 [3 - **3** - **3**].
14 September 1968: Togo: Atakpamé: RMCA: 2 [2 - **2** - **2**].
15 September 1968: Togo: Tchonou: RMCA: 9 [9 - **9** - **9**].
16 September 1968: Togo: Tchonou: RMCA: 8 [8 - **8** - **8**].
17 September 1968: Togo: Atakpamé: RMCA: 5 [5] - Tchonou: RMCA: 11 [11 - **16** - **16**].
18 September 1968: Togo: Atakpamé: RMCA: 5 [5] - Tchonou: RMCA: 6 [6 - **11** - **11**].
19 September 1968: Togo: Atakpamé: RMCA: 3 [3] - Tchonou: RMCA: 6 [6 - **9** - **9**].
20 September 1968: Togo: Atakpamé: RMCA: 2 [2] - Tchonou: RMCA: 2 [2 - **4** - **4**].
22 September 1968: Togo: Adjido: RMCA: 28 [28 - **28** - **28**].
23 September 1968: Togo: Adjido: RMCA: 20 [20] - Atakpamé: RMCA: 3 [3 - **23** - **23**].
24 September 1968: Togo: Adjido: RMCA: 5 [5] - Atakpamé: RMCA: 5 [5 - **10** - **10**].
25 September 1968: Togo: Atakpamé: RMCA: 2 [2 - **2** - **2**].
28 September 1968: Togo: Atakpamé: RMCA: 4 [4] - Témédja: RMCA: 6 [6 - **10** - **10**].
29 September 1968: Togo: Kamina: RMCA: 14 [14] - Témédja: RMCA: 7 [7 - **21** - **21**].
30 September 1968: Togo: Kamina: RMCA: 7 [7] - Témédja: RMCA: 4 [4 - **11** - **11**].
1 October 1968: Togo: Atakpamé: RMCA: 3 [3] - Evou: RMCA: 14 [14] - Témédja: RMCA: 3 [3 - **20** - **20**].
2 October 1968: Togo: Atakpamé: RMCA: 1 [1] - Evou: RMCA: 9 [9] - Témédja: RMCA: 6 [6 - **16** - **16**].
3 October 1968: Togo: Evou: RMCA: 14 [14] - Témédja: RMCA: 2 [2 - **16** - **16**].
4 October 1968: Togo: Atakpamé: RMCA: 2 [2] - Evou: RMCA: 5 [5] - Témédja: RMCA: 8 [8 - **15** - **15**].
5 October 1968: Togo: Ebéva: RMCA: 14 [14 - **14** - **14**].
7 October 1968: Togo: Ebéva: RMCA: 2 [2 - **2** - **2**].
8 October 1968: Togo: Ebéva: RMCA: 1 [1 - **1** - **1**].
9 October 1968: Togo: Ebéva: RMCA: 3 [3 - **3** - **3**].
12 October 1968: Togo: Atakpamé: RMCA: 5 [5 - **5** - **5**].
13 October 1968: Togo: Lomnava: RMCA: 14 [14 - **14** - **14**].
15 October 1968: Togo: Atakpamé: RMCA: 22 [22 - **22** - **22**].
16 October 1968: Togo: Atakpamé: RMCA: 18 [18 - **18** - **18**].
17 October 1968: Togo: Kamina: RMCA: 7 [7 - **7** - **7**].
18 October 1968: Togo: Kamina: RMCA: 3 [3 - **3** - **3**].
19 October 1968: Togo: Kamina: RMCA: 8 [8 - **8** - **8**].
20 October 1968: Togo: Kamina: RMCA: 11 [11 - **11** - **11**].
24 October 1968: Togo: Atakpamé: RMCA: 4 [4 - **4** - **4**].
26 October 1968: Togo: Akposso: RMCA: 13 [13 - **13** - **13**].
27 October 1968: Togo: Akposso: RMCA: 12 [12 - **12** - **12**].
28 October 1968: Togo: Akposso: RMCA: 16 [16 - **16** - **16**].
29 October 1968: Togo: Akposso: RMCA: 33 [33 - **33** - **33**].
5 November 1968: Togo: Atakpamé: RMCA: 59 [59 - **59** - **59**].
11 November 1968: Togo: Atakpamé: RMCA: 2 [2] - Evou - Akodegbe: RMCA: 14 [14 - **16** - **16**].
12 November 1968: Togo: Atakpamé: RMCA: 8 [8 - **8** - **8**].
13 November 1968: Togo: Evou - Akodegbe: RMCA: 17 [17 - **17** - **17**].
14 November 1968: Togo: Evou - Akodegbe: RMCA: 10 [10 - **10** - **10**].
15 November 1968: Togo: Kodegbe: RMCA: 11 [11 - **11** - **11**].
16 November 1968: Togo: Evou - Akodegbe: RMCA: 1 [1] - Kodegbe: RMCA: 3 [3 - **4** - **4**].
17 November 1968: Togo: Adina: RMCA: 16 [16 - **16** - **16**].

18 November 1968: Togo: Adina: RMCA: 9 [9 - **9** - **9**].
19 November 1968: Togo: Adina: RMCA: 11 [11 - **11** - **11**].
20 November 1968: Togo: Adina: RMCA: 2 [2 - **2** - **2**].
21 November 1968: Togo: Adina: RMCA: 7 [7 - **7** - **7**].
22 November 1968: Togo: Adina: RMCA: 6 [6 - **6** - **6**].
23 November 1968: Togo: Adina: RMCA: 13 [13 - **13** - **13**].
24 November 1968: Togo: Adina: RMCA: 25 [25 - **25** - **25**].
25 November 1968: Togo: Adina: RMCA: 8 [8 - **8** - **8**].
26 November 1968: Togo: Adina: RMCA: 15 [15 - **15** - **15**].
27 November 1968: Togo: Adina: RMCA: 3 [3] - Ezimé: RMCA: 36 [36 - **39** - **39**].
28 November 1968: Togo: Ezimé: RMCA: 32 [32 - **32** - **32**].
29 November 1968: Togo: Ezimé: RMCA: 10 [10 - **10** - **10**].
30 November 1968: Togo: Ezimé: RMCA: 14 [14 - **14** - **14**].
1 December 1968: Togo: Koutoukpa: RMCA: 7 [7 - **7** - **7**].
2 December 1968: Togo: Koutoukpa: RMCA: 5 [5 - **5** - **5**].
3 December 1968: Togo: Koutoukpa: RMCA: 17 [17 - **17** - **17**].
4 December 1968: Togo: Unknown locality: RMCA: 1 [1] - Koutoukpa: RMCA: 11 [11 - **12** - **12**].
5 December 1968: Togo: Edifou: RMCA: 8 [8] - Koutoukpa: RMCA: 6 [6 - **14** - **14**].
6 December 1968: Togo: Edifou: RMCA: 25 [25] - Koutoukpa: RMCA: 8 [8 - **33** - **33**].
7 December 1968: Togo: Edifou: RMCA: 15 [15 - **15** - **15**].
8 December 1968: Togo: Edifou: RMCA: 18 [18 - **18** - **18**].
9 December 1968: Togo: Edifou: RMCA: 18 [18 - **18** - **18**].
10 December 1968: Togo: Edifou: RMCA: 14 [14 - **14** - **14**].
11 December 1968: Togo: Edifou: RMCA: 13 [13 - **13** - **13**].
12 December 1968: Togo: Edifou: RMCA: 22 [22 - **22** - **22**].
13 December 1968: Togo: Edifou: RMCA: 10 [10 - **10** - **10**].
14 December 1968: Togo: Edifou: RMCA: 15 [15 - **15** - **15**].
15 December 1968: Togo: Edifou: RMCA: 7 [7 - **7** - **7**].
16 December 1968: Togo: Edifou: RMCA: 8 [8 - **8** - **8**].
17 December 1968: Togo: Edifou: RMCA: 12 [12 - **12** - **12**].
18 December 1968: Togo: Edifou: RMCA: 11 [11 - **11** - **11**].
19 December 1968: Togo: Edifou: RMCA: 11 [11 - **11** - **11**].
20 December 1968: Togo: Adina: RMCA: 6 [6 - **6** - **6**].
21 December 1968: Togo: Adina: RMCA: 4 [4 - **4** - **4**].
22 December 1968: Togo: Adina: RMCA: 7 [7 - **7** - **7**].
23 December 1968: Togo: Adina: RMCA: 2 [2 - **2** - **2**].
4 January 1969: Togo: Atakpamé: RMCA: 24 [24 - **24** - **24**].
1 February 1969: Togo: Atakpamé: RMCA: 10 [10 - **10** - **10**].
4 February 1969: Togo: Odjolo: RMCA: 15 [15 - **15** - **15**].
5 February 1969: Togo: Mono-Atchinedji: RMCA: 1 [1] - Odjolo: RMCA: 16 [16 - **17** - **17**].
6 February 1969: Togo: Odjolo: RMCA: 14 [14 - **14** - **14**].
7 February 1969: Togo: Odjolo: RMCA: 29 [29 - **29** - **29**].
8 February 1969: Togo: Odjolo: RMCA: 27 [27 - **27** - **27**].
9 February 1969: Togo: Odjolo: RMCA: 42 [42 - **42** - **42**].
10 February 1969: Togo: Odjolo: RMCA: 19 [19 - **19** - **19**].
11 February 1969: Togo: Odjolo: RMCA: 22 [22 - **22** - **22**].
12 February 1969: Togo: Odjolo: RMCA: 7 [7 - **7** - **7**].
13 February 1969: Togo: Odjolo: RMCA: 8 [8 - **8** - **8**].
14 February 1969: Togo: Odjolo: RMCA: 2 [2 - **2** - **2**].
19 February 1969: Togo: Evou: RMCA: 1 [1 - **1** - **1**].
20 February 1969: Togo: Evou: RMCA: 13 [13 - **13** - **13**].
21 February 1969: Togo: Evou: RMCA: 10 [10 - **10** - **10**].
22 February 1969: Togo: Evou: RMCA: 23 [23 - **23** - **23**].
23 February 1969: Togo: Evou: RMCA: 25 [25 - **25** - **25**].
24 February 1969: Togo: Evou: RMCA: 18 [18 - **18** - **18**].
25 February 1969: Togo: Evou: RMCA: 13 [13 - **13** - **13**].
26 February 1969: Togo: Evou: RMCA: 19 [19 - **19** - **19**].
27 February 1969: Togo: Evou: RMCA: 23 [23 - **23** - **23**].
28 February 1969: Togo: Evou: RMCA: 16 [16 - **16** - **16**].
1 March 1969: Togo: Evou: RMCA: 9 [9 - **9** - **9**].
2 March 1969: Togo: Evou: RMCA: 7 [7 - **7** - **7**].
3 March 1969: Togo: Evou: RMCA: 8 [8 - **8** - **8**].
4 March 1969: Togo: Evou: RMCA: 5 [5 - **5** - **5**].
5 March 1969: Togo: Evou: RMCA: 5 [5 - **5** - **5**].
6 March 1969: Togo: Evou: RMCA: 6 [6 - **6** - **6**].
7 March 1969: Togo: Evou: RMCA: 4 [4 - **4** - **4**].
8 March 1969: Togo: Evou: RMCA: 3 [3 - **3** - **3**].
11 March 1969: Togo: Atakpamé: RMCA: 64 [64 - **64** - **64**].

Total Specimens for Veronese, C.: 2103

Verreaux, Jules Pierre
(24 August 1807 - 7 September 1873)

Collection Date Unknown: "Africa": Northern Africa: AMNH: 1 [1 - **1**].

Algeria: Algiers: ZMB: 2 [2] - no specific locality: ZMB: 1 [1 - **3**].
Ethiopia: Abyssinia: BMNH: 1 [1 - **1**].
Réunion: Bourbon, île [=Réunion]: ZMB: 2 [2 - **2**].
South Africa: "Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: MNHN: 4 [4 - **4**].
Sudan: Nubia: ZMB: 1 [1 - **1** - **12**].

Total Specimens for Verreaux, Jules Pierre: 12

Verroux, W.

1 January 1837: South Africa: Unknown locality: SMF: 1 [1 - **1** - **1**].

Total Specimens for Verroux, W.: 1

Verschuren, Jacques

Collection Date Unknown: Burundi: Bujumbura: RBINS: 1 [1 - **1**].
Congo (Democratic Republic of the): Abialosa river: INPBC: 1 [1] - Amangundu: INPBC: 1 [1] - Amatupi river: INPBC: 1 [1] - Bukavu: INPBC: 1 [1] - Djelube river, middle: INPBC: 6 [6] - Djumma river, upper: INPBC: 1 [1] - Dumma river, middle: INPBC: 1 [1] - Inangongo: INPBC: 1 [1] - Ishango river: INPBC: 1 [1] - Kamande: INPBC: 1 [1] - Kitonga: INPBC: 1 [1] - Makayova river, lower: INPBC: 2 [2] - Ruanoli-Mavea confluence: INPBC: 4 [4] - Rutshuru: INPBC: 3 [3] - Rwindi: INPBC: 1 [1] - Sinda river: INPBC: 3 [3] - Tumbwe: INPBC: 1 [1] - Virunga National Park: INPBC: 10, RBINS: 1 [11 - **41**].
Liberia: Unknown locality: RBINS: 8 [8] - Iti: RBINS: 9 [9] - Mount Nimba: RBINS: 121 [121] - Mount Nimba East: RBINS: 3 [3] - Mount Nimba West: RBINS: 33 [33] - Nimba East: RBINS: 6 [6] - Nimba West: RBINS: 4 [4] - Yekepa: RBINS: 3 [3 - **187**].
Rwanda: Kakitumba: INPBC: 1 [1] - Kionja: INPBC: 2 [2] - Muluchu: INPBC: 7 [7 - **10**].
Senegal: Missirah Saloum: RBINS: 1 [1 - **1** - **240**].
15 July 1946: Burundi: Kigamba: RBINS: 3 [3 - **3** - **3**].
1 January 1948: Congo (Democratic Republic of the): Djugu forest: RBINS: 1 [1] - Fatakit: RBINS: 2 [2 - **3** - **3**].
1 January 1965: Liberia: Mount Nimba: RBINS: 1 [1 - **1** - **1**].
1 July 1965: Liberia: Unknown locality: RBINS: 1 [1 - **1** - **1**].
2 August 1965: Liberia: Mount Nimba: RBINS: 1 [1 - **1** - **1**].
15 December 1965: Liberia: Mount Nimba: RBINS: 1 [1 - **1** - **1**].
18 December 1965: Liberia: Gbapa: RBINS: 1 [1 - **1** - **1**].
25 December 1965: Liberia: Mount Nimba: RBINS: 1 [1 - **1** - **1**].
7 January 1966: Guinea: Mont Richard Molard: RBINS: 1 [1 - **1** - **1**].
17 January 1966: Liberia: Mount Nimba: RBINS: 1 [1 - **1** - **1**].
19 January 1966: Liberia: Mount Nimba: RBINS: 1 [1 - **1** - **1**].
20 January 1966: Liberia: Mount Nimba: RBINS: 1 [1 - **1** - **1**].
22 January 1966: Liberia: Mount Nimba: RBINS: 1 [1 - **1** - **1**].
30 January 1966: Liberia: Mount Nimba: RBINS: 3 [3 - **3** - **3**].
31 January 1966: Liberia: Iti Riviere: RBINS: 1 [1 - **1** - **1**].
2 February 1966: Liberia: Nimba East: RBINS: 1 [1 - **1** - **1**].
6 February 1966: Liberia: Mount Nimba: RBINS: 1 [1] - Mount Nimba West: RBINS: 1 [1 - **2** - **2**].
12 February 1966: Liberia: Iti: RBINS: 1 [1 - **1** - **1**].
2 March 1966: Liberia: Nimba, mount: RBINS: 1 [1 - **1** - **1**].
2 August 1966: Liberia: Mount Nimba: RBINS: 1 [1 - **1** - **1**].
1 May 1975: Senegal: Missirah Saloum: RBINS: 9 [9 - **9** - **9**].
15 July 1976: Burundi: Kigamba: RBINS: 35 [35 - **35** - **35**].
29 July 1976: Burundi: Bweru: RBINS: 1 [1 - **1** - **1**].
1 August 1976: Burundi: Bujumbura: RBINS: 6 [6 - **6** - **6**].
1 May 1977: Burundi: Bujumbura: RBINS: 2 [2 - **2**].
Senegal: Missirah Saloum: RBINS: 13 [13 - **13** - **15**].

Total Specimens for Verschuren, Jacques: 333

Vesey-FitzGerald, Leslie Desmond Edward Foster
(c 1910 - 1974)

Collection Date Unknown: Zambia: Mweru Wantipa: HZM: 1 [1 - **1** - **1**].
20 February 1950: Mozambique: Milepa: BMNH: 1 [1 - **1** - **1**].
5 January 1953: Zambia: Abercorn: HZM: 1 [1 - **1** - **1**].
16 April 1954: Tanzania: Rukwa: HZM: 1 [1 - **1** - **1**].
24 April 1954: Zambia: Abercorn: HZM: 1 [1 - **1** - **1**].
18 December 1957: Zambia: Abercorn: HZM: 1 [1 - **1** - **1**].
29 January 1958: Zambia: Mbesuma: HZM: 1 [1 - **1** - **1**].
31 January 1958: Zambia: Mbesuma: HZM: 1 [1 - **1** - **1**].
25 April 1958: Tanzania: Kafukola: HZM: 1 [1 - **1** - **1**].
29 September 1958: Zambia: Abercorn: HZM: 1 [1 - **1** - **1**].
14 November 1958: Zambia: Abercorn: HZM: 1 [1 - **1** - **1**].
1 December 1958: Zambia: Abercorn: HZM: 1 [1 - **1** - **1**].
16 December 1960: Zambia: Mweru Wantipa: HZM: 1 [1 - **1** - **1**].
6 April 1964: Zambia: Abercorn: BMNH: 1 [1 - **1** - **1**].

11 October 1968: Tanzania: Arusha-NP, Mt. Meru, Ngongargare Forest: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Vesey-FitzGerald, Leslie Desmond Edward Foster: 16

Veterinary Research Lab, The

Collection Date Unknown: South Africa: Onderstepoort: TM: 1 [1 - **1** - **1**].

Total Specimens for Veterinary Research Lab, The: 1

Véto, Dr.; Moutou, F.

23 March 1979: Réunion: Etang Salé: MNHN: 1 [1 - **1** - **1**].
1 August 1980: Réunion: Falaise de Saint Gilles: MNHN: 6 [6 - **6** - **6**].

Total Specimens for Véto, Dr.; Moutou, F.: 7

Vickers, H.

13 February 1996: South Africa: Mount Moreland: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Vickers, H.: 1

Vickers, M.E.H.

27 May 1959: Kenya: Nyamindi: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Vickers, M.E.H.: 1

Vielliard, Jacques Marie Edme
(1944 - 9 August 2010: Belém)

1 January 1970: Chad: Djiboulboul: MHNG: 3 [3 - **3** - **3**].
10 January 1970: Chad: Djiboulboul: MHNG: 2 [2 - **2** - **2**].
11 February 1970: Chad: Léré: MHNG: 2 [2 - **2** - **2**].
3 March 1970: Chad: Djiboulboul: MHNG: 3 [3 - **3** - **3**].
18 March 1970: Chad: Irtou: MHNG: 1 [1 - **1** - **1**].
25 March 1970: Chad: Maïlao [3 locs]: MHNG: 1 [1 - **1** - **1**].
31 May 1970: Nigeria: Baga-Kawa: MHNG: 1 [1 - **1** - **1**].
26 July 1970: Chad: Fort Archambault: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Vielliard, Jacques Marie Edme: 14

Viereck, A.

Collection Date Unknown: Namibia: Neuhof-Kowas Farm: SMF: 2 [2 - **2** - **2**].

Total Specimens for Viereck, A.: 2

Vierhaus, Henning

12 August 1992: Guinea: Guinée Forestière, border of "Réserve de la Biosphère du Massif du Ziama": ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Vierhaus, Henning: 1

Villiers, A.

14 April 1954: Guinea: Grotte Garrigues: IFAN: 1 [1 - **1** - **1**].
16 April 1954: Guinea: Grotte du Marché: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Villiers, A.: 2

Vine, James

19 June 1989: South Africa: Craigieburn [Farmstead]: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Vine, James: 1

Vinter, H.

28 May 1984: South Africa: Levuvhu River: TM: 1 [1 - **1** - **1**].

Total Specimens for Vinter, H.: 1

Vissault, Jacques

Collection Date Unknown: "Africa": Unknown locality: ZMA: 1 [1 - **1**].
Burundi: Imbo: MNHN: 1 [1 - **1**].
Côte d'Ivoire: Unknown locality: ZMA: 2 [2] - Adiopodoumé: ZMA: 3, ZMB: 1 [4] - Bolo: ZMA: 7 [7] - Lamto: ZMA: 14 [14] - Matonguiné: ZMA: 2 [2 - **29** - **31**].
1 January 1963: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
30 May 1964: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
26 June 1964: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
3 November 1969: Côte d'Ivoire: Adiopodoumé: ZMA: 1 [1 - **1** - **1**].
27 February 1970: Côte d'Ivoire: Lamto: ZMA: 2 [2 - **2** - **2**].
23 April 1970: Côte d'Ivoire: Lamto: ZMA: 2 [2 - **2** - **2**].
24 April 1970: Côte d'Ivoire: Lamto: ZMA: 2 [2 - **2** - **2**].
25 April 1970: Côte d'Ivoire: Lamto: ZMA: 5 [5 - **5** - **5**].
27 April 1970: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
15 May 1970: Côte d'Ivoire: Adiopodoumé: ZMA: 6 [6 - **6** - **6**].
25 May 1970: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
1 July 1970: Côte d'Ivoire: Lamto: ZMA: 2 [2 - **2** - **2**].
30 July 1970: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
31 July 1970: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
1 August 1970: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
11 August 1970: Côte d'Ivoire: Unknown locality: ZMA: 1 [1 - **1** - **1**].
27 August 1970: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
1 September 1970: Côte d'Ivoire: Konankoffikro: ZMA: 11 [11 - **11** - **11**].
2 October 1970: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
3 October 1970: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
28 October 1970: Côte d'Ivoire: Adiopodoumé: ZMA: 1 [1 - **1** - **1**].
14 November 1970: Côte d'Ivoire: Adiopodoumé: ZMA: 4 [4 - **4** - **4**].
16 November 1970: Côte d'Ivoire: Adiopodoumé: ZMA: 2 [2 - **2** - **2**].
6 December 1970: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
10 December 1970: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
8 March 1971: Côte d'Ivoire: Adzopé: ZMA: 2 [2 - **2** - **2**].
3 August 1971: Côte d'Ivoire: Adzopé: ZMA: 5 [5 - **5** - **5**].
20 February 1972: Côte d'Ivoire: Lamto: ZMA: 1 [1 - **1** - **1**].
18 April 1972: Côte d'Ivoire: Adiopodoumé: ZMA: 1 [1 - **1** - **1**].
19 April 1972: Côte d'Ivoire: Adiopodoumé: ZMA: 2 [2 - **2** - **2**].
26 September 1972: Côte d'Ivoire: Adiopodoumé: ZMA: 3 [3 - **3** - **3**].
28 September 1972: Côte d'Ivoire: Adiopodoumé: ZMA: 4 [4 - **4** - **4**].
5 October 1972: Côte d'Ivoire: Adiopodoumé: ZMA: 1 [1 - **1** - **1**].
3 November 1972: Côte d'Ivoire: Adiopodoumé: ZMA: 2 [2 - **2** - **2**].
22 November 1972: Côte d'Ivoire: Ahiérémou: ZMA: 1 [1 - **1** - **1**].
23 November 1972: Côte d'Ivoire: Ahiérémou: ZMA: 2 [2 - **2** - **2**].
25 November 1972: Côte d'Ivoire: Ahiérémou: ZMA: 3 [3 - **3** - **3**].
1 January 1973: Côte d'Ivoire: Unknown locality: ZMA: 8 [8 - **8** - **8**].
17 January 1973: Côte d'Ivoire: Matonguiné: ZMA: 9 [9 - **9** - **9**].
18 January 1973: Côte d'Ivoire: Matonguiné: ZMA: 7 [7 - **7** - **7**].
19 January 1973: Côte d'Ivoire: Matonguiné: ZMA: 8 [8 - **8** - **8**].
20 January 1973: Côte d'Ivoire: Matonguiné: ZMA: 9 [9 - **9** - **9**].
21 January 1973: Côte d'Ivoire: Matonguiné: ZMA: 50 [50 - **50** - **50**].
31 January 1973: Côte d'Ivoire: Bolo: ZMA: 3 [3 - **3** - **3**].
1 February 1973: Côte d'Ivoire: Bolo: ZMA: 2 [2 - **2** - **2**].
2 February 1973: Côte d'Ivoire: Bolo: ZMA: 2 [2 - **2** - **2**].
24 February 1973: Côte d'Ivoire: Abidjan Plateau: ZMA: 58 [58 - **58** - **58**].
16 April 1973: Côte d'Ivoire: Adiopodoumé: ZMA: 13 [13 - **13** - **13**].
18 May 1973: Côte d'Ivoire: Guéboua: ZMA: 1 [1 - **1** - **1**].
6 March 1990: Côte d'Ivoire: Unknown locality: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Vissault, Jacques: 281

Vissens

1 July 1982: Burundi: Bujumbura: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Vissens: 2

Visser, David

17 July 1982: South Africa: Nwanedi: TM: 6 [6 - **6** - **6**].

Total Specimens for Visser, David: 6

Visser, John

Collection Date Unknown: South Africa: Clanwilliam: AMNH: 1 [1] - Durban, near: AMNH: 2 [2] - Matubatuba: TM: 1 [1] - Wynberg: TM: 1 [1 - **5** - **5**].

1 December 1963: South Africa: Simonstown: AMNH: 1 [1 - **1** - **1**].
3 March 1972: Angola: Caimbambo: FMNH: 1 [1 - **1** - **1**].
1 January 1973: South Africa: Cathcart: AMNH: 2 [2 - **2** - **2**].
16 January 1973: South Africa: Cathcart: AMNH: 1 [1 - **1** - **1**].
1 September 1974: South Africa: Durban: AMNH: 2 [2 - **2** - **2**].
1 January 1975: South Africa: Durbanville: AMNH: 1 [1] - Hout Bay: AMNH: 1 [1 - **2** - **2**].
3 January 1975: South Africa: Victoria West: AMNH: 2 [2 - **2** - **2**].
26 February 1975: South Africa: Victoria West: AMNH: 1 [1 - **1** - **1**].
3 March 1975: Angola: Caimbambo: AMNH: 3 [3 - **3**].
South Africa: Hout Bay: AMNH: 1 [1 - **1** - **4**].
1 June 1975: South Africa: Stellenbosch: AMNH: 2 [2 - **2** - **2**].
15 April 1976: South Africa: Trichardstal: FMNH: 1 [1 - **1** - **1**].
16 April 1976: Swaziland: T'shaneni: FMNH: 1 [1 - **1** - **1**].
24 August 1976: South Africa: Mkuzi Game Reserve: FMNH: 1 [1 - **1** - **1**].
22 September 1978: South Africa: Springbok, 14 km N, 44 km W: KM: 1 [1 - **1** - **1**].
20 June 1980: South Africa: Stolznek house: TM: 2 [2 - **2** - **2**].
30 June 1981: South Africa: Musina [=Messina], 4 km E: TM: 1 [1 - **1** - **1**].
1 September 1981: Namibia: Aus, 1 km W: TM: 1 [1 - **1** - **1**].

Total Specimens for Visser, John: 31

Viviers, L.

28 August 1989: South Africa: American cave: TM: 13 [13 - **13** - **13**].

Total Specimens for Viviers, L.: 13

Vleeschouwers, C.
(1925? - 1956?)

Collection Date Unknown: Congo (Democratic Republic of the): Vaku: RMCA: 3 [3 - **3** - **3**].
19 February 1939: Congo (Democratic Republic of the): Kimvuadu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Vleeschouwers, C.: 4

Vlir/Aketi

21 June 2015: Congo (Democratic Republic of the): Aketi: UNIKIS: 3 [3 - **3** - **3**].
22 June 2015: Congo (Democratic Republic of the): Aketi: UNIKIS: 5 [5 - **5** - **5**].
23 June 2015: Congo (Democratic Republic of the): Aketi: UNIKIS: 7 [7 - **7** - **7**].
25 June 2015: Congo (Democratic Republic of the): Aketi: UNIKIS: 3 [3 - **3** - **3**].
26 June 2015: Congo (Democratic Republic of the): Aketi: UNIKIS: 3 [3 - **3** - **3**].
27 June 2015: Congo (Democratic Republic of the): Aketi: UNIKIS: 1 [1 - **1** - **1**].
26 August 2015: Congo (Democratic Republic of the): Aketi: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for Vlir/Aketi: 23

Voeltzkow, Alfred
(1860 - 1947)

Collection Date Unknown: Comoros: Anjouan Island: ZMB: 7 [7] - Bambao: ZMB: 1 [1] - Comoro Islands: ZMB: 1 [1] - Grand Comoro Island: ZMB: 4 [4 - **13**].
Kenya: Manda island: ZMB: 1 [1] - Patta [=Pate, island]: ZMB: 4 [4 - **5**].
Madagascar: Unknown locality: ZMB: 1 [1] - Andrahaha Cave: ZMB: 1 [1] - Andranohinaly: ZMB: 1 [1] - on Onilahy river, Androbaha cave [=Grotte d'Androbaha]: ZMB: 6 [6] - Sainte Marie: ZMB: 1 [1] - Sakana: ZMB: 21 [21] - Tamatave: ZMB: 1 [1] - Tuléar: ZMB: 3 [3 - **35**].
Tanzania: Kokotoni: NMW: 1, ZMB: 1 [2] - Kokotoni [=Mkokotoni]: ZMB: 2 [2] - Pemba island: ZMB: 6 [6 - **10** - **63**].
12 March 1903: Tanzania: Fufuni: ZMB: 1 [1 - **1** - **1**].
13 March 1903: Tanzania: Fufuni: ZMB: 4 [4 - **4** - **4**].
10 October 1903: Comoros: Anjouan Island: ZMB: 1 [1] - Cercle de Bambao: ZMB: 1 [1 - **2** - **2**].
11 October 1903: Comoros: Anjouan Island: ZMA: 2 [2 - **2** - **2**].

Total Specimens for Voeltzkow, Alfred: 72

Voigt, G.

19 August 1983: South Africa: Farm Okhotso Boekenhoutskloof: TM: 1 [1 - **1** - **1**].

Total Specimens for Voigt, G.: 1

Voisin

1 January 1882: Sudan: Khartoum: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Voisin: 1

Volkmann

Collection Date Unknown: Namibia: Grootfontein: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Volkmann: 2

Volz, W.

Collection Date Unknown: Sierra Leone: Bonthe: NMBE: 6 [6 - **6** - **6**].

Total Specimens for Volz, W.: 6

von Barnim, Hartmann

Collection Date Unknown: Egypt: Denderah [=Dandarah]: ZMB: 1 [1 - **1**].
Sudan: Sennar: ZMB: 1 [1 - **1** - **2**].

Total Specimens for von Barnim, Hartmann: 2

von Blottnitz, Axel

24 July 2005: South Africa: Groenkloof: TM: 1 [1 - **1** - **1**].

Total Specimens for von Blottnitz, Axel: 1

von Brandis, R.

25 January 1996: South Africa: Klaserie Private Nature Reserve: TM: 1 [1 - **1** - **1**].
26 January 1996: South Africa: Klaserie Private Nature Reserve: TM: 1 [1 - **1** - **1**].
23 April 1996: South Africa: Klaserie Private Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for von Brandis, R.: 3

von der Decken, Karl Klaus
(8 August 1833: Kotzen - 2 October 1865: near Bardera)

Collection Date Unknown: "Africa": Angasilha [=?Angaziga]: ZMB: 2 [2] - Eastern Africa: ZMB: 1 [1 - **3**].
Tanzania: Zanzibar: ZMB: 7 [7 - **7** - **10**].

Total Specimens for von der Decken, Karl Klaus: 10

von Erlanger, C.

Collection Date Unknown: "Africa": Daba: ZMB: 2 [2] - Daroli: ZMB: 1 [1] - Jub: ZMB: 1 [1] - Webi: ZMB: 1 [1 - **5**].
Chad: Korkoru [=Korkoro ?]: ZMB: 1 [1 - **1**].
Ethiopia: Abaya, lake: ZMB: 3 [3] - Anole Wells: ZMB: 2 [2] - Bottego Highlands: ZMB: 2 [2] - Sheik Hussein: ZMB: 2 [2 - **9**].
Somalia: Kismaju [=Kismayu]: ZMB: 2 [2] - Zeila [=Saylac]: ZMB: 2 [2 - **4**].
Tanzania: Mfulu: ZMB: 1 [1 - **1**].
Tunisia: Tunis: ZMB: 1 [1 - **1** - **21**].

Total Specimens for von Erlanger, C.: 21

von Erlanger, C.; Neumann

Collection Date Unknown: Ethiopia: Harar: ZMB: 2 [2 - **2** - **2**].

Total Specimens for von Erlanger, C.; Neumann: 2

Von Geyr, H.

Collection Date Unknown: Algeria: Algerian Sahara: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Von Geyr, H.: 1

Von Helversen, Otto
(1943: Sofia - 2 March 2009: Erlangen)

1 May 1972: Kenya: Baharini Farm: SMF: 1 [1 - **1** - **1**].
18 May 1972: Kenya: Kakamega Forest: SMF: 1 [1 - **1** - **1**].

Total Specimens for Von Helversen, Otto: 2

Von Heuglin, Theodor

Collection Date Unknown: Egypt: Unknown locality: NMW: 2 [2 - **2**].
Sudan: Bahr el Abiad: SMF: 1 [1] - Batn el Hajjar: NMW: 1 [1 - **2** - **4**].
3 April 1854: Ethiopia: Bellegaz valley: NMW: 1 [1 - **1** - **1**].
1 January 1855: Sudan: Bellegas: SMNS: 1 [1 - **1** - **1**].
2 March 1856: Ethiopia: Abyssinia: NMW: 1 [1 - **1** - **1**].
1 October 1863: South Sudan: Bongo: SMNS: 2 [2 - **2** - **2**].
11 June 1962: Ethiopia: Azum: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Von Heuglin, Theodor: 10

von Ludwig

Collection Date Unknown: South Africa: Cape: SMNS: 2 [2 - **2** - **2**].

Total Specimens for von Ludwig: 2

Von Marno, E.

Collection Date Unknown: Sudan: Gallabat: NMW: 3 [3] - Khartoum: NMW: 15 [15 - **18** - **18**].

Total Specimens for Von Marno, E.: 18

von Marwitz

Collection Date Unknown: Tanzania: Unknown locality: ZMB: 3 [3 - **3** - **3**].

Total Specimens for von Marwitz: 3

von Müller

Collection Date Unknown: Egypt: Unknown locality: SMNS: 1 [1 - **1** - **1**].

Total Specimens for von Müller: 1

Von Nagy

19 August 1954: Tanzania: Kidugallo: ZFMK: 1 [1 - **1** - **1**].
28 June 1962: Tanzania: Usa: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for Von Nagy: 2

Von Örtzen

Collection Date Unknown: Cameroon: Basho: ZMB: 2 [2 - **2** - **2**].

Total Specimens for Von Örtzen: 2

von Sack, Gustav
(1860 - 1935)

Collection Date Unknown: Egypt: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for von Sack, Gustav: 1

von Schweppenburg, G.

31 March 1914: Algeria: Hoggar, Oued Igharghar: ZMB: 1 [1 - **1** - **1**].

Total Specimens for von Schweppenburg, G.: 1

Voros, Andrew S.

Collection Date Unknown: Liberia: Unknown locality: AMNH: 1 [1] - Bomi Wood Concession: AMNH: 4 [4] - Kluga: AMNH: 2 [2] - Saniquellie: AMNH: 1 [1 - **8** - **8**].
16 December 1982: Liberia: Ngilima: AMNH: 3 [3 - **3** - **3**].
15 April 1983: Liberia: Elwa Swamp: AMNH: 8 [8] - Zozoma: AMNH: 1 [1 - **9** - **9**].
28 April 1983: Liberia: Kluga mountains: AMNH: 1 [1 - **1** - **1**].
6 May 1983: Liberia: Ngilima: AMNH: 1 [1 - **1** - **1**].
24 July 1983: Liberia: Saniquellie: AMNH: 2 [2 - **2** - **2**].
25 July 1983: Liberia: Saniquellie: AMNH: 2 [2] - Sanniquellie: AMNH: 1 [1 - **3** - **3**].
7 August 1983: Liberia: Kluga: AMNH: 1 [1] - Kluga Mountains: AMNH: 1 [1 - **2** - **2**].
11 August 1983: Liberia: Ngilima: AMNH: 1 [1 - **1** - **1**].

3 September 1983: Liberia: John Hegbe farm: AMNH: 1 [1] - John Town: AMNH: 1 [1] - Kluga Mountains: AMNH: 1 [1] - Zozoma: AMNH: 16 [16 - **19** - **19**].
8 October 1983: Liberia: Zozoma: AMNH: 1 [1 - **1** - **1**].
4 November 1983: Liberia: Ceasar's Beach, near: AMNH: 2 [2 - **2** - **2**].
5 November 1983: Liberia: Ceasar's Beach: AMNH: 3 [3 - **3** - **3**].
15 November 1983: Liberia: Zozoma: AMNH: 1 [1 - **1** - **1**].
2 January 1984: Liberia: Zozoma: AMNH: 26 [26 - **26** - **26**].
15 April 1984: Liberia: Elwa Swamp: AMNH: 2 [2] - Elwa Swamp, near: AMNH: 1 [1 - **3** - **3**].
16 May 1984: Liberia: Juarzon: AMNH: 4 [4 - **4** - **4**].
17 May 1984: Liberia: Juarzon: AMNH: 4 [4 - **4** - **4**].
10 November 1985: Liberia: Bomi Wood Concession: AMNH: 2 [2 - **2** - **2**].
1 December 1985: Liberia: Bomi Wood Concession: AMNH: 5 [5 - **5** - **5**].
11 December 1985: Liberia: Bomi Wood Concession: AMNH: 1 [1] - Bomi Wood Concession, near: AMNH: 4 [4 - **5** - **5**].
31 January 1986: Liberia: Boni Hills logging concession: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Voros, Andrew S.: 107

Vossler

Collection Date Unknown: Tanzania: Amani: ZMB: 8 [8] - Kwamkoro [Forest Reserve]: ZMB: 1 [1 - **9** - **9**].

Total Specimens for Vossler: 9

Voyage de Mac…, Le

Collection Date Unknown: Réunion: Réunion Island: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Voyage de Mac…, Le: 1

Vrijdagh, J.M.

18 March 1937: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
1 June 1937: Congo (Democratic Republic of the): Bambesa: RMCA: 7 [7 - **7** - **7**].
1 April 1938: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
29 May 1938: Congo (Democratic Republic of the): Alipago: RMCA: 2 [2 - **2** - **2**].
3 June 1938: Congo (Democratic Republic of the): Bambesa: RMCA: 2 [2 - **2** - **2**].
22 June 1938: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
26 June 1938: Congo (Democratic Republic of the): Kuleponge: RMCA: 6 [6 - **6** - **6**].
27 August 1938: Congo (Democratic Republic of the): Bambesa: RMCA: 2 [2 - **2** - **2**].
18 September 1939: Congo (Democratic Republic of the): Yangambi: RMCA: 1 [1 - **1** - **1**].
23 November 1939: Congo (Democratic Republic of the): Bambesa: RMCA: 3 [3 - **3** - **3**].
22 April 1940: Congo (Democratic Republic of the): Bambesa: RMCA: 2 [2 - **2** - **2**].
24 April 1940: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
30 July 1940: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
24 August 1940: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
27 August 1940: Congo (Democratic Republic of the): Bambesa: RMCA: 2 [2 - **2** - **2**].
18 October 1940: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
12 April 1941: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
13 April 1941: Congo (Democratic Republic of the): Ango cave: RMCA: 3 [3 - **3** - **3**].
14 April 1941: Congo (Democratic Republic of the): Ango: RMCA: 1 [1 - **1** - **1**].
29 April 1941: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
2 May 1941: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
14 May 1941: Congo (Democratic Republic of the): Bambesa: RMCA: 1 [1 - **1** - **1**].
19 October 1941: Congo (Democratic Republic of the): Bosodula: RMCA: 1 [1 - **1** - **1**].
20 April 1942: Congo (Democratic Republic of the): Mahagi: RMCA: 1 [1 - **1** - **1**].
24 April 1942: Congo (Democratic Republic of the): Ogondjo: RMCA: 1 [1 - **1** - **1**].
5 August 1942: Congo (Democratic Republic of the): Yangambi: RMCA: 1 [1 - **1** - **1**].
1 September 1942: Congo (Democratic Republic of the): Mvuazi: RMCA: 1 [1 - **1** - **1**].
25 October 1942: Congo (Democratic Republic of the): Bosodula: RMCA: 1 [1 - **1** - **1**].
22 July 1944: Burundi: Rumonge: RMCA: 3 [3 - **3** - **3**].

Total Specimens for Vrijdagh, J.M.: 51

Vuattoux, René

Collection Date Unknown: Côte d'Ivoire: "piste de Lamtu": MNHN: 1 [1 - **1** - **1**].
13 January 1975: Côte d'Ivoire: Lamto: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Vuattoux, René: 2

Vunja, M.

13 October 1963: Malawi: Mandala: NMMB: 2 [2 - **2** - **2**].

Total Specimens for Vunja, M.: 2

VZZ / ReRe Expedition, The

20 February 2005: Benin: Ouari-Maro forest: ZMA: 2 [2 - **2** - **2**].

Total Specimens for VZZ / ReRe Expedition, The: 2

W

8 October 1975: Zimbabwe: Bembesi: FMNH: 15 [15 - **15** - **15**].

Total Specimens for W: 15

Waddell, Keith M.

24 August 1965: Uganda: Nyabirongo: ROM: 1 [1 - **1** - **1**].
28 October 1965: Uganda: Nyabirongo: ROM: 1 [1 - **1** - **1**].
2 August 1966: Uganda: Nyabirongo: ROM: 1 [1 - **1** - **1**].
4 August 1966: Uganda: Nyabirongo: ROM: 2 [2 - **2** - **2**].
6 August 1966: Uganda: Nyabirongo: ROM: 2 [2 - **2** - **2**].
9 August 1966: Uganda: Nyabirongo: ROM: 1 [1 - **1** - **1**].
11 August 1966: Uganda: Nyabirongo: ROM: 1 [1 - **1** - **1**].
12 August 1966: Uganda: Nyabirongo: ROM: 2 [2 - **2** - **2**].
13 August 1966: Uganda: Nyabirongo: ROM: 3 [3 - **3** - **3**].

Total Specimens for Waddell, Keith M.: 14

Wagner, Johann Andreas
(1797 - 1861)

Collection Date Unknown: Algeria: Oran: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Wagner, Johann Andreas: 1

Wahlberg, Johan August
(6 March 1856)

Collection Date Unknown: "Africa": Caffraria?: ZMB: 1 [1 - **1**].
South Africa: Durban: BMNH: 1 [1 - **1** - **2**].
25 April 1840: South Africa: Port Natal: NRM: 1 [1 - **1** - **1**].
18 April 1841: South Africa: Caffer: NRM: 1 [1 - **1** - **1**].
27 November 1842: South Africa: Tugela river: NRM: 1 [1 - **1** - **1**].
1 January 1888: South Africa: Krokodil river: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Wahlberg, Johan August: 6

Walch, K.

6 March 1961: Tunisia: Cartago: SMF: 1 [1 - **1** - **1**].

Total Specimens for Walch, K.: 1

Walen, A.

Collection Date Unknown: Kenya: Menengai: ZMB: 1 [1 - **1** - **1**].
20 December 1978: South Sudan: Malakal: ZMA: 2 [2 - **2** - **2**].
24 December 1978: South Sudan: Malakal: ZMA: 1 [1 - **1** - **1**].
16 January 1979: Kenya: Kariandusi mines: ZMA: 2 [2 - **2** - **2**].
22 January 1979: Kenya: Menengai: ZMA: 1 [1] - Menengai Crater: ZMA: 4 [4 - **5** - **5**].
23 January 1979: Kenya: Menengai Caldera: ZMA: 1 [1] - Menengai Crater: ZMA: 2 [2 - **3** - **3**].
20 December 1979: South Sudan: Malakal: ZMA: 1 [1 - **1** - **1**].
18 January 1982: Kenya: Westwood Park Hotel: ZMA: 9 [9 - **9** - **9**].
23 January 1982: Kenya: Ngobi Forest: ZMA: 1 [1 - **1** - **1**].
26 January 1982: Kenya: Talek Gate: ZMA: 2 [2] - Talek Gate, near: ZMA: 1 [1 - **3** - **3**].
27 January 1982: Kenya: Sand River: ZMA: 4 [4 - **4** - **4**].
18 February 1982: Kenya: Lamu: ZMA: 1 [1 - **1** - **1**].
23 February 1982: Kenya: Lukore: ZMA: 2 [2 - **2** - **2**].
26 February 1982: Kenya: Mukanda Bridge: ZMA: 2 [2] - Mukanda river, near bridge 2: ZMA: 5 [5 - **7** - **7**].
7 January 1984: Egypt: Sultan Hassan Mosque: ZMA: 7 [7 - **7** - **7**].
3 March 1984: Sudan: Khartoum: ZMA: 1 [1 - **1** - **1**].
11 March 1984: Sudan: Khuwei, 7 mi N: ZMA: 6 [6 - **6** - **6**].
14 March 1984: Sudan: Khartoum: ZMA: 15 [15 - **15** - **15**].
20 May 1987: Kenya: Mount Suswa: ZMA: 1 [1] - Mount Suswa cave: ZMA: 2 [2 - **3** - **3**].
22 July 1987: Kenya: Mount Suswa: ZMA: 1 [1 - **1** - **1**].

22 January 1988: Kenya: Mount Suswa cave: ZMA: 34 [34 - **34** - **34**].

Total Specimens for Walen, A.: 109

Walker, B.

20 April 1960: Kenya: Kilifi: CAS: 1 [1 - **1** - **1**].
27 April 1960: Kenya: Rumuruti: CAS: 1 [1 - **1** - **1**].
10 May 1960: Kenya: Karen, near: CAS: 1 [1 - **1** - **1**].
23 January 1961: Kenya: Nairobi: CAS: 1 [1 - **1** - **1**].

Total Specimens for Walker, B.: 4

Wallach, V.

15 April 1980: Congo (Democratic Republic of the): TASOK: ZMA: 1 [1 - **1** - **1**].
15 August 1980: Congo (Democratic Republic of the): Kinkole: ZMA: 3 [3 - **3** - **3**].

Total Specimens for Wallach, V.: 4

Wallin, R.P.

Collection Date Unknown: Congo (Democratic Republic of the): Karawa: RMCA: 2 [2 - **2** - **2**].

Total Specimens for Wallin, R.P.: 2

Wallis; Haraseb; Eiseb; Coetzee, C.G.

27 October 1982: Namibia: Farm Otjitambi 25: SMW: 1 [1 - **1** - **1**].

Total Specimens for Wallis; Haraseb; Eiseb; Coetzee, C.G.: 1

Ward, C?

Collection Date Unknown: Ethiopia: Gondar: BMNH: 2 [2 - **2**].
Somalia: Chisimaio: BMNH: 2 [2 - **2** - **4**].
11 October 1959: Ethiopia: Gondar: BMNH: 1 [1 - **1** - **1**].
8 December 1959: Ethiopia: Gondar: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Ward, C?: 6

Ward, D.

Collection Date Unknown: Zimbabwe: Highlands: USNM: 1 [1 - **1** - **1**].

Total Specimens for Ward, D.: 1

Ward, Henry Augustus
(1834: Rochester - 4 July 1906: Buffalo)

Collection Date Unknown: "Africa": Unknown locality: MCZ: 1 [1 - **1**].
Egypt: Unknown locality: MCZ: 1 [1 - **1**].
Gabon: Unknown locality: MCZ: 1 [1 - **1**].
Mauritius: Unknown locality: MCZ: 1 [1 - **1**].
South Africa: "Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: MCZ: 1 [1 - **1** - **5**].
6 August 1883: South Africa: Kaap provincie [=Cape province]: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Ward, Henry Augustus: 6

Ward's Natural Sciences Estabishment, The

Collection Date Unknown: "Africa": West Africa: FMNH: 1 [1 - **1**].
Egypt: Unknown locality: MCZ: 1 [1] - North Egypt: MCZ: 1 [1 - **2**].
Mauritius: Unknown locality: FMNH: 1 [1 - **1** - **4**].

Total Specimens for Ward's Natural Sciences Estabishment, The: 4

Washington (Expedition), Barry W.

Collection Date Unknown: Swaziland: Big Bend: TM: 1 [1 - **1** - **1**].

Total Specimens for Washington (Expedition), Barry W.: 1

Wassif, Kamal

31 August 1951: Egypt: El Arish: USNM: 3 [3 - **3** - **3**].
1 January 1975: Egypt: Abbassia: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Wassif, Kamal: 4

Waterlot, G.

Collection Date Unknown: Benin: "Dahomey": MNHN: 1 [1 - **1** - **1**].
24 April 1912: Benin: Porto-Novo or Abomey: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Waterlot, G.: 2

Watson, N.A.C.

1 August 1966: Nigeria: Kaduna: WAM: 1 [1 - **1** - **1**].
23 August 1966: Nigeria: Kaduna: WAM: 1 [1 - **1** - **1**].

Total Specimens for Watson, N.A.C.: 2

Weavers

20 August 1977: Kenya: Katilo: BMNH: 5 [5 - **5** - **5**].

Total Specimens for Weavers: 5

Webala, Paul W.

31 July 2014: Kenya: Water treatment site: MMU: 2 [2 - **2** - **2**].
1 August 2014: Kenya: Water treatment site: MMU: 1 [1 - **1** - **1**].
2 August 2014: Kenya: Kiboko Campsite: MMU: 10 [10 - **10** - **10**].
3 August 2014: Kenya: Kiboko Campsite: MMU: 8 [8 - **8** - **8**].
4 August 2014: Kenya: Kiboko Campsite: MMU: 5 [5 - **5** - **5**].
6 August 2014: Kenya: Ol Jogi Dam: MMU: 2 [2 - **2** - **2**].
7 August 2014: Kenya: Ol Jogi Dam: MMU: 3 [3 - **3** - **3**].
8 August 2014: Kenya: Pyramid Camp: MMU: 9 [9 - **9** - **9**].
11 August 2014: Kenya: Kariandusi mines: MMU: 31 [31] - Mau Mau cave: MMU: 28 [28 - **59** - **59**].
12 August 2014: Kenya: Jaika cave: MMU: 13 [13] - Pipeline cave: MMU: 20 [20 - **33** - **33**].
13 August 2014: Kenya: Diatomite mine: MMU: 32 [32 - **32** - **32**].
15 September 2014: Kenya: Kariandusi mines: MMU: 19 [19 - **19** - **19**].
16 September 2014: Kenya: Jaika cave: MMU: 24 [24] - Pipeline cave: MMU: 10 [10 - **34** - **34**].
17 September 2014: Kenya: Diatomite mine: MMU: 16 [16 - **16** - **16**].
19 September 2014: Kenya: Colobus Circuit 1: MMU: 3 [3] - Mungokho Village: MMU: 1 [1 - **4** - **4**].
20 September 2014: Kenya: Lirhanda Cave: MMU: 1 [1 - **1** - **1**].
21 September 2014: Kenya: Salazar Trail: MMU: 4 [4 - **4** - **4**].
22 September 2014: Kenya: Ikhondo Camp: MMU: 1 [1] - Salazar Trail: MMU: 1 [1 - **2** - **2**].
24 September 2014: Kenya: Mukangu Village: MMU: 7 [7 - **7** - **7**].
25 September 2014: Kenya: Mahiakalo Cave: MMU: 26 [26 - **26** - **26**].
26 September 2014: Kenya: Lirhanda Cave: MMU: 17 [17 - **17** - **17**].
28 September 2014: Kenya: Kit Mikayi: MMU: 8 [8] - State Loge Campsite: MMU: 8 [8 - **16** - **16**].
29 September 2014: Kenya: State Loge Campsite: MMU: 3 [3 - **3** - **3**].
30 September 2014: Kenya: State Loge Campsite: MMU: 3 [3 - **3** - **3**].
1 October 2014: Kenya: State Loge Campsite: MMU: 4 [4 - **4** - **4**].

Total Specimens for Webala, Paul W.: 320

Webb, G.S.

7 January 1937: Ghana: Mampong: BMNH: 1 [1 - **1** - **1**].
22 March 1937: Ghana: Prang: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Webb, G.S.: 3

Webber, W.A.

26 April 1952: Chad: Fort Archambault: USNM: 1 [1 - **1** - **1**].

Total Specimens for Webber, W.A.: 1

Weber, Neal A.

29 February 1948: Congo (Democratic Republic of the): Niangara: AMNH: 2 [2 - **2** - **2**].

Total Specimens for Weber, Neal A.: 2

Weber, S.; Gerrans, R.

25 April 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 24 [24 - **24** - **24**].
25 May 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 6 [6 - **6** - **6**].
19 September 1988: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 3 [3 - **3** - **3**].
2 March 1989: South Africa: Waterberg, Farm Klipfontein 54JS: TM: 1 [1 - **1** - **1**].

Total Specimens for Weber, S.; Gerrans, R.: 34

Weber, W.

Collection Date Unknown: Chad: Guidari: USNM: 2 [2 - **2** - **2**].
26 April 1952: Chad: Fort Archambault: USNM: 1 [1 - **1** - **1**].
3 June 1952: Chad: Guidari: USNM: 1 [1 - **1** - **1**].

Total Specimens for Weber, W.: 4

Weidholz, Alfred

Collection Date Unknown: Senegal: Tabadienke: NMW: 6 [6 - **6** - **6**].

Total Specimens for Weidholz, Alfred: 6

Wellcome Research Laboratories, The

13 June 1918: South Sudan: Mongalla: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Wellcome Research Laboratories, The: 1

Wellman, F.C.

Collection Date Unknown: Angola: Benguela: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Wellman, F.C.: 1

Wells

1 June 1974: Zambia: Magoye research station: HZM: 1 [1 - **1** - **1**].

Total Specimens for Wells: 1

Wells, A.A.

Collection Date Unknown: Kenya: Malindi: CM: 2 [2 - **2** - **2**].

Total Specimens for Wells, A.A.: 2

Wells, W.; Randall, B.

Collection Date Unknown: Egypt: Giza Pyramids: USNM: 1 [1 - **1** - **1**].

Total Specimens for Wells, W.; Randall, B.: 1

Wells, W.H.

1 March 1950: Egypt: Zokila: USNM: 4 [4 - **4** - **4**].
8 May 1950: Egypt: Al Jiza province: USNM: 1 [1 - **1** - **1**].

Total Specimens for Wells, W.H.: 5

Wells, W.H.; Kuntz, Robert E.

Collection Date Unknown: Egypt: Wadi Netroon: OMNH: 18 [18 - **18** - **18**].
10 October 1949: Egypt: Giza Pyramids: USNM: 1 [1 - **1** - **1**].
26 January 1950: Egypt: Fayoum, caves: USNM: 1 [1 - **1** - **1**].
27 January 1950: Egypt: Fayoum, caves: USNM: 2 [2 - **2** - **2**].
30 January 1950: Egypt: Abu Rawash: USNM: 2 [2 - **2** - **2**].
15 March 1950: Egypt: Giza Pyramids: USNM: 3 [3 - **3** - **3**].
16 March 1950: Egypt: Giza Pyramids: USNM: 3 [3 - **3** - **3**].
24 May 1950: Egypt: Kom O Shim: USNM: 1 [1 - **1** - **1**].
6 June 1950: Egypt: Saqqara: USNM: 4 [4 - **4** - **4**].
30 April 1951: Egypt: Wadi el Natroun: USNM: 2 [2 - **2** - **2**].

6 July 1952: Djibouti: Ali Sabiet and Dikkit: USNM: 2 [2 - **2** - **2**].

Total Specimens for Wells, W.H.; Kuntz, Robert E.: 39

Welwitsch, F.M.

Collection Date Unknown: Angola: Golungo Alto: BMNH: 1 [1] - no specific locality: ZMB: 1 [1 - **2** - **2**].

Total Specimens for Welwitsch, F.M.: 2

Wenke

2 March 1913: Cameroon: Bibundi: ZMH: 1 [1 - **1** - **1**].

Total Specimens for Wenke: 1

Werner, Franz

16 April 1916: South Sudan: Tonga: NMW: 2 [2 - **2** - **2**].

Total Specimens for Werner, Franz: 2

Wernham, J. or G.

4 March 1922: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
10 April 1922: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].
23 February 1923: Cameroon: Bitye: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Wernham, J. or G.: 3

Werth

Collection Date Unknown: Tanzania: Dar es Salaam: ZMB: 4 [4 - **4** - **4**].

Total Specimens for Werth: 4

Werther

Collection Date Unknown: Tanzania: Zanzibar: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Werther: 1

Wessel

Collection Date Unknown: Tanzania: Zanzibar: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Wessel: 1

Wessels

20 September 1970: South Africa: Pongoland: TM: 2 [2 - **2** - **2**].

Total Specimens for Wessels: 2

West, Sean D.

22 February 1993: South Africa: Doorndraai Dam Nature Reserve: TM: 1 [1 - **1** - **1**].
23 February 1993: South Africa: Doorndraai Dam Nature Reserve: TM: 1 [1 - **1** - **1**].
11 March 1993: South Africa: Hans Strydom Dam Nature Reserve: TM: 2 [2 - **2** - **2**].
15 March 1993: South Africa: Messina Nature Reserve, banks of the Sand River: TM: 2 [2 - **2** - **2**].
16 March 1993: South Africa: Messina Nature Reserve, banks of the Sand River: TM: 1 [1 - **1** - **1**].
17 March 1993: South Africa: Messina Nature Reserve, in holow Baobab: TM: 1 [1 - **1** - **1**].
18 March 1993: South Africa: Percy Fyfe Nature Reserve: TM: 2 [2 - **2** - **2**].
19 March 1993: South Africa: Percy Fyfe Nature Reserve: TM: 1 [1 - **1** - **1**].
20 March 1993: South Africa: Percy Fyfe Nature Reserve: TM: 1 [1 - **1** - **1**].
1 April 1993: South Africa: Farm Rhenosterfontein: TM: 1 [1 - **1** - **1**].
8 September 1993: South Africa: Doorndraai Dam Nature Reserve: TM: 1 [1 - **1** - **1**].
24 January 1994: South Africa: Wonderkop Nature Reserve: TM: 1 [1 - **1** - **1**].
25 January 1994: South Africa: Wonderkop Nature Reserve: TM: 1 [1 - **1** - **1**].
16 June 1994: South Africa: Farm Wonderfontein 103IQ, Abe Baily Nature Reserve: TM: 1 [1 - **1** - **1**].
16 September 1994: South Africa: Suikerbosrand [=Suikerboschrand] Nature Reserve: TM: 1 [1 - **1** - **1**].
25 January 1995: South Africa: Wolwespruit Nature Reserve: TM: 1 [1 - **1** - **1**].
21 February 1995: South Africa: Rooiberg, Tin mine: TM: 1 [1 - **1** - **1**].
27 January 2003: South Africa: Groenkloof: TM: 1 [1 - **1** - **1**].

20 February 2003: South Africa: Muldersdrift, near: TM: 1 [1 - **1** - **1**].
9 April 2003: South Africa: Bronkhorstspruit Dam Nature Reserve: TM: 1 [1 - **1** - **1**].
28 January 2004: South Africa: Irene, Agricultural Research Council [= ARC] grounds: TM: 1 [1 - **1** - **1**].

Total Specimens for West, Sean D.: 24

Western New Mexico University

27 April 1960: Kenya: Rumuruti, 40 mi N: FMNH: 1 [1 - **1** - **1**].
23 August 1963: Kenya: Nyama Yango: FMNH: 1 [1 - **1** - **1**].
14 November 1963: Kenya: Ol Donyo Sapuk, mount: FMNH: 1 [1 - **1** - **1**].
20 November 1963: Kenya: Muthaiga: FMNH: 1 [1 - **1** - **1**].
22 November 1963: Kenya: Ngong: FMNH: 2 [2 - **2** - **2**].
24 November 1963: Kenya: Ol Donyo Sapuk, mount: FMNH: 2 [2 - **2** - **2**].
12 December 1963: Kenya: Nyama Yango: FMNH: 2 [2 - **2** - **2**].
20 December 1963: Kenya: Nyama Yango: FMNH: 3 [3 - **3** - **3**].
22 December 1963: Kenya: Archer's Post: FMNH: 4 [4 - **4** - **4**].
27 December 1963: Kenya: Archer's Post: FMNH: 2 [2 - **2** - **2**].
29 December 1963: Kenya: Kaptagat: FMNH: 2 [2 - **2** - **2**].
9 January 1964: Kenya: Rongai: FMNH: 1 [1 - **1** - **1**].
11 March 1964: Kenya: Cherangany: FMNH: 1 [1 - **1** - **1**].
29 March 1964: Kenya: Archer's Post: FMNH: 2 [2 - **2** - **2**].
28 April 1964: Kenya: Loyangalani, 4 mi [= 6 km] from: FMNH: 1 [1 - **1** - **1**].
16 June 1964: Kenya: Mount Ololdiani: FMNH: 1 [1] - Naivasha, 2 mi [= 3.2 km] SE: FMNH: 1 [1] - Nyama Yango: FMNH: 1 [1 - **3** - **3**].
11 July 1964: Kenya: Ngong: FMNH: 1 [1 - **1** - **1**].
14 August 1964: Kenya: Shimoni: FMNH: 4 [4 - **4** - **4**].
24 August 1964: Kenya: Sokoke Forest: FMNH: 1 [1 - **1** - **1**].
27 August 1964: Kenya: Shimoni: FMNH: 1 [1 - **1** - **1**].
6 September 1964: Kenya: Kipkabus: FMNH: 1 [1 - **1** - **1**].
16 November 1964: Kenya: Mount Ololdiani: FMNH: 1 [1 - **1** - **1**].
24 November 1964: Kenya: Ol Donyo Sapuk, mount: FMNH: 1 [1 - **1** - **1**].
14 December 1964: Kenya: Nanyuki: FMNH: 1 [1 - **1** - **1**].
28 December 1964: Kenya: Bat island: FMNH: 2 [2] - Central island: FMNH: 2 [2 - **4** - **4**].
8 January 1965: Kenya: El Molo Island, E side: FMNH: 3 [3 - **3** - **3**].
24 February 1965: Kenya: Kilanguni Lodge: FMNH: 1 [1 - **1** - **1**].
20 June 1966: Kenya: Kakamega forest station: FMNH: 1 [1 - **1** - **1**].
25 June 1966: Kenya: Kakamega forest station: FMNH: 1 [1 - **1** - **1**].
1 July 1966: Kenya: Kakamega forest station: FMNH: 1 [1 - **1** - **1**].
14 July 1966: Kenya: Kilifi Creek: FMNH: 3 [3 - **3** - **3**].
16 July 1966: Kenya: Kilifi Creek: FMNH: 1 [1] - Kilifi, 2 mi W: FMNH: 1 [1 - **2** - **2**].
17 July 1966: Kenya: Kilifi, 2 mi W: FMNH: 2 [2 - **2** - **2**].
18 July 1966: Kenya: Kilifi, 2 mi W: FMNH: 2 [2 - **2** - **2**].
21 July 1966: Kenya: Kilifi, 2 mi W: FMNH: 1 [1] - Sokoke Forest: FMNH: 3 [3 - **4** - **4**].
23 July 1966: Kenya: Kilifi, 2 mi W: FMNH: 1 [1 - **1** - **1**].
19 July 1967: Kenya: Sokoke Forest: FMNH: 1 [1 - **1** - **1**].
3 November 1973: Congo (Democratic Republic of the): Mbuji-Mayi: FMNH: 1 [1 - **1** - **1**].
12 November 1973: Congo (Democratic Republic of the): Kabwe: FMNH: 3 [3 - **3** - **3**].
30 November 1973: Congo (Democratic Republic of the): Kananga: FMNH: 1 [1 - **1** - **1**].
3 December 1973: Congo (Democratic Republic of the): Kapushia: FMNH: 1 [1 - **1** - **1**].
27 December 1973: Congo (Democratic Republic of the): Mbuji-Mayi: FMNH: 2 [2 - **2** - **2**].
4 January 1974: Congo (Democratic Republic of the): Kananga: FMNH: 1 [1 - **1** - **1**].
25 February 1974: Congo (Democratic Republic of the): Mbuji-Mayi, 32 km SE: FMNH: 3 [3 - **3** - **3**].

Total Specimens for Western New Mexico University: 78

Western New Mexico University; Mumford, Russell E.

3 June 1967: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Western New Mexico University; Mumford, Russell E.: 1

Wettstein, Otto Ritter von Westersheim
(7 August 1892: Vienna - 10 July 1967: Vienna)

Collection Date Unknown: South Sudan: Tonga: NMW: 12 [12 - **12** - **12**].
16 March 1914: Sudan: En Nabbaka: NMW: 1 [1 - **1** - **1**].
20 March 1914: Sudan: Nuba Mountains, N edge: NMW: 1 [1 - **1** - **1**].
11 April 1914: South Sudan: Tonga: BMNH: 1, NMW: 1 [2 - **2** - **2**].

Total Specimens for Wettstein, Otto Ritter von Westersheim: 16

Weyer, A.E.

19 July 1963: Liberia: Firestone Plantation: AMNH: 7 [7 - **7** - **7**].

Total Specimens for Weyer, A.E.: 7

Weyer, D.

30 January 1963: Liberia: Harbel, Firestone Plantations: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Weyer, D.: 1

Weyns

Collection Date Unknown: Congo (Democratic Republic of the): Banana: RMCA: 3 [3] - Stanleyville: RMCA: 10 [10 - **13** - **13**].
6 October 1910: Congo (Democratic Republic of the): Stanleyville: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Weyns: 14

Whitaker, Joseph Isaac Spadafora
(1850 - 1936)

30 May 1901: Libya: Murzuk: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Whitaker, Joseph Isaac Spadafora: 1

White, A.

1 July 1896: Malawi: Fort Hill [=Chitipa]: BMNH: 1 [1 - **1** - **1**].

Total Specimens for White, A.: 1

White, A.G.

3 July 1931: South Africa: Sheila No. 10: TM: 1 [1 - **1** - **1**].
6 July 1931: South Africa: Sheila No. 10: TM: 1 [1 - **1** - **1**].
25 April 1933: South Africa: Pretoria: MCZ: 1 [1] - Rosslyn: MCZ: 1 [1 - **2** - **2**].
26 April 1933: South Africa: Pretoria: MCZ: 2 [2] - Rosslyn: MCZ: 2 [2 - **4** - **4**].
12 July 1935: South Africa: Sibasa: TM: 16 [16 - **16** - **16**].
9 December 1935: Zimbabwe: Melsetter district: TM: 2 [2] - Selinda: TM: 1 [1] - Silinda, mount: TM: 2 [2 - **5** - **5**].
1 June 1937: South Africa: Ranshas Ld: BRTC: 1 [1 - **1**].
Swaziland: Ranches LTD: MCZ: 2 [2 - **2** - **3**].
14 December 1937: Zimbabwe: Vumba: MCZ: 2, TM: 3 [5 - **5** - **5**].
22 December 1937: Zimbabwe: Selinda, mount: MCZ: 1 [1] - Silinda, mount: TM: 1 [1 - **2** - **2**].
11 January 1938: Zimbabwe: Birchenough Bridge, 11.2 km W: TM: 6 [6 - **6** - **6**].
12 January 1938: Zimbabwe: Birchenough Bridge, 11.2 km W: TM: 2 [2 - **2** - **2**].
14 December 1939: Zimbabwe: Vumba: TM: 1 [1 - **1** - **1**].
21 May 1965: Namibia: Kuiseb River: TM: 1 [1 - **1** - **1**].
27 October 1965: Namibia: Kuiseb River: TM: 1 [1 - **1** - **1**].
1 April 1970: South Africa: Komatipoort: TM: 1 [1] - Komatipoort, 3.2 km N: TM: 1 [1 - **2** - **2**].
24 July 1970: South Africa: TSD Sugar Estate No.3 Section: TM: 23 [23 - **23** - **23**].
27 July 1970: South Africa: TSD Sugar Estate No.3 Section: TM: 1 [1 - **1** - **1**].

Total Specimens for White, A.G.: 76

White, A.G.;Prozesky, O.P.M.

1 November 1960: South Africa: Kranskop: TM: 1 [1 - **1** - **1**].

Total Specimens for White, A.G.;Prozesky, O.P.M.: 1

White, Charles Matthew Newton
(1914 - 7 September 1978)

Collection Date Unknown: Zambia: Mwinilunga: AMNH: 3 [3 - **3** - **3**].
1 June 1939: Zambia: Luakela River: AMNH: 21 [21 - **21** - **21**].
1 July 1939: Zambia: Luakela River: AMNH: 1 [1] - Mwinilunga: AMNH: 11 [11 - **12** - **12**].
1 August 1939: Zambia: Mwinilunga district: AMNH: 2 [2 - **2** - **2**].
1 November 1939: Zambia: Cave near Mujimbe Hill: AMNH: 8 [8 - **8** - **8**].

Total Specimens for White, Charles Matthew Newton: 46

White, G.

1 January 1905: South Africa: Brakkloof: MCZ: 1 [1] - Grahamstown: MCZ: 1 [1 - **2** - **2**].
30 June 1940: Zambia: Luakela River: USNM: 1 [1 - **1** - **1**].

Total Specimens for White, G.: 3

White, Wendy

12 August 2003: South Africa: Mkuzi Game Reserve: DNSM: 1 [1 - **1** - **1**].
21 August 2003: South Africa: Mkuze River: DNSM: 1 [1] - Mkuzi Game Reserve: DNSM: 1 [1 - **2** - **2**].

Total Specimens for White, Wendy: 3

Whitehead, C.

11 July 1988: Zambia: Livingstone: WAM: 2 [2 - **2** - **2**].
18 July 1988: Zambia: Livingstone: WAM: 1 [1 - **1** - **1**].
19 July 1988: Zambia: Livingstone: WAM: 1 [1 - **1** - **1**].
25 July 1988: Zambia: Livingstone: WAM: 1 [1 - **1** - **1**].

Total Specimens for Whitehead, C.: 5

Whitelaw, J.J.

4 May 1977: Seychelles: Aldabra Research Station, near: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Whitelaw, J.J.: 1

Whitely, H.

Collection Date Unknown: Mauritius: Unknown locality: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Whitely, H.: 1

Whitfield, E.A.

27 October 1977: South Africa: N'Wanetsi Gorge: KNP: 3 [3 - **3** - **3**].

Total Specimens for Whitfield, E.A.: 3

Whitfield, S.

5 November 1996: South Africa: Nkaya Pan: KNP: 1 [1 - **1** - **1**].

Total Specimens for Whitfield, S.: 1

Whitfield, T.

12 August 1979: South Africa: Satara Rest Camp: TM: 1 [1 - **1** - **1**].

Total Specimens for Whitfield, T.: 1

Whiting, M.J.; Branch, W.R;.Branch, T.C.

16 September 1994: Mozambique: Moebase: TM: 1 [1 - **1** - **1**].

Total Specimens for Whiting, M.J.; Branch, W.R;.Branch, T.C.: 1

Whitley, J. C.

Collection Date Unknown: Nigeria: Benin-City: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Whitley, J. C.: 1

WHO; Colyn, Marc

1 January 1985: Congo (Democratic Republic of the): Unknown locality: RMCA: 2 [2] - Bodjoki - Bumba: RMCA: 1 [1 - **3** - **3**].
1 January 1986: Congo (Democratic Republic of the): Bodjoki - Bumba: RMCA: 1 [1] - Bombanga - Bumba: RMCA: 1 [1 - **2** - **2**].
24 June 1986: Congo (Democratic Republic of the): Yayama: RMCA: 1 [1 - **1** - **1**].
20 July 1986: Congo (Democratic Republic of the): Lodja: RMCA: 1 [1 - **1** - **1**].
7 August 1986: Congo (Democratic Republic of the): Bombanga - Bumba: RMCA: 1 [1] - Mosenge: RMCA: 1 [1 - **2** - **2**].
11 August 1986: Congo (Democratic Republic of the): Mosenge: RMCA: 2 [2 - **2** - **2**].
14 August 1986: Congo (Democratic Republic of the): Mosenge: RMCA: 1 [1 - **1** - **1**].

15 August 1986: Congo (Democratic Republic of the): Mosenge: RMCA: 5 [5 - **5** - **5**].
1 April 1987: Congo (Democratic Republic of the): Kinshasa: RMCA: 1 [1 - **1** - **1**].
1 June 1987: Zimbabwe: Victoria Falls: RMCA: 1 [1 - **1** - **1**].
1 October 1987: Congo (Democratic Republic of the): Kinshasa: RMCA: 3 [3 - **3** - **3**].

Total Specimens for WHO; Colyn, Marc: 22

Whyte, Alex

18 December 1891: Malawi: Mulanje Plateau: BMNH: 1 [1 - **1** - **1**].
1 January 1893: Malawi: Zomba: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Whyte, Alex: 2

Wiersema, G.J.

24 March 1975: Tunisia: Grotte aux Chauves-souris: ZMA: 1 [1 - **1** - **1**].

Total Specimens for Wiersema, G.J.: 1

Wijnant, E.P.

25 September 1939: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Wijnant, E.P.: 1

Wilcke

Collection Date Unknown: Sudan: Dongola: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Wilcke: 1

Wilde, H.

Collection Date Unknown: South Africa: Tzaneen Governamental Estate: TM: 1 [1 - **1** - **1**].

Total Specimens for Wilde, H.: 1

Wiles, Gary J.

21 July 1954: Seychelles: La Dique Island: AMNH: 1 [1 - **1** - **1**].

Total Specimens for Wiles, Gary J.: 1

Wilhelm

Collection Date Unknown: Angola: Concórdia: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Wilhelm: 1

Wilkes, L.W.

1 August 1964: Liberia: Monrovia: HZM: 4 [4 - **4** - **4**].

Total Specimens for Wilkes, L.W.: 4

Wilkinson, Roger

12 December 1979: Nigeria: Kano: ROM: 1 [1 - **1** - **1**].

Total Specimens for Wilkinson, Roger: 1

Willard, David E.

17 June 1998: Uganda: Nyafungo Nature Reserve: MCZ: 1 [1 - **1** - **1**].
24 June 1998: Uganda: Nyafungo Nature Reserve: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Willard, David E.: 2

Willard, David E.; Marks, B.

29 June 1998: Uganda: Busingiro Camp Site: MCZ: 1 [1 - **1** - **1**].

30 June 1998: Uganda: Businguiro Camp Site: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Willard, David E.; Marks, B.: 2

Willems

Collection Date Unknown: Tanzania: Unknown locality: ZMB: 1 [1] - Dar es Salaam: ZMB: 1 [1 - **2** - **2**].

Total Specimens for Willems: 2

Williams

Collection Date Unknown: Uganda: Budongo Forest: LACM: 16 [16 - **16** - **16**].
9 June 1963: Kenya: Lake Naivasha: ROM: 1 [1 - **1** - **1**].
17 October 1963: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].
27 March 1964: Kenya: Kapenguria: ROM: 1 [1 - **1** - **1**].
18 October 1964: Kenya: Kedong Valley: RMCA: 1 [1 - **1** - **1**].
17 January 1966: Uganda: Toro: ROM: 1 [1 - **1** - **1**].
22 June 1966: Uganda: Budongo Forest: LACM: 1 [1 - **1** - **1**].
10 May 1967: Madagascar: Grotte de Sarondrana [= Sarodrano]: FMNH: 2 [2 - **2** - **2**].
25 August 1967: Kenya: Sigor: ROM: 1 [1 - **1** - **1**].
26 July 1968: Kenya: Lake Naivasha: ROM: 3 [3 - **3** - **3**].
13 February 1969: Kenya: Lutore forest: ROM: 5 [5 - **5** - **5**].
3 March 1969: Kenya: Tiwi: ROM: 8 [8 - **8** - **8**].
4 March 1969: Kenya: Tiwi: ROM: 1 [1 - **1** - **1**].
5 March 1969: Kenya: Diani: ROM: 4 [4] - Mwapewa caves: ROM: 3 [3] - Tiwi: ROM: 3 [3 - **10** - **10**].
5 November 1969: Kenya: Diani: ROM: 1 [1 - **1** - **1**].
17 November 1969: Uganda: Masindi, near: ROM: 1 [1 - **1** - **1**].
26 November 1969: Uganda: Moyo, 10 mi [=16 km] E: ROM: 4 [4 - **4** - **4**].
27 November 1969: Uganda: Moyo, 10 mi [=16 km] E: ROM: 1 [1 - **1** - **1**].
3 October 1970: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].
26 November 1975: Kenya: Kongelai: ROM: 2 [2 - **2** - **2**].
8 July 1978: Kenya: Lutore forest: ROM: 1 [1 - **1** - **1**].
2 May 1984: The Gambia: Banjul: HZM: 1 [1 - **1** - **1**].

Total Specimens for Williams: 64

Williams, A.

Collection Date Unknown: Uganda: Ruhizha: LACM: 9 [9 - **9** - **9**].
31 August 1962: Kenya: Nakuru: USNM: 1 [1 - **1** - **1**].
5 February 1963: Kenya: Lake Magadi: ROM: 1 [1 - **1** - **1**].
1 August 1963: Kenya: Kilifi: ROM: 1 [1 - **1** - **1**].
12 August 1963: Kenya: Kilifi, 6 mi S: USNM: 1 [1 - **1** - **1**].
25 January 1964: Kenya: Nairobi: LACM: 1 [1 - **1** - **1**].
18 October 1964: Kenya: Mount Suswa: MCZ: 1 [1] - Mount Suswa cave: USNM: 3 [3 - **4** - **4**].
5 August 1965: Kenya: Kilifi, 1 mi [= 1.6 km] N: USNM: 1 [1] - Kilifi, 1.5 mi [= 2.4 km] N: USNM: 1 [1 - **2** - **2**].
10 January 1966: Kenya: Ngore Ngore: MSU: 2 [2 - **2** - **2**].
11 January 1966: Kenya: Ngore Ngore: MSU: 1 [1 - **1** - **1**].
6 February 1966: Kenya: Lake Jipe: MSU: 2 [2 - **2** - **2**].
19 March 1967: Uganda: Ruhizha area: LACM: 3 [3 - **3** - **3**].
27 March 1967: Uganda: Itama area: LACM: 1 [1 - **1** - **1**].
25 January 1968: Kenya: Kilifi: LACM: 2 [2 - **2** - **2**].
30 January 1968: Kenya: Sokoke Forest: LACM: 1 [1 - **1** - **1**].
4 November 1968: Uganda: Mongiro: LACM: 1 [1 - **1** - **1**].
7 November 1968: Uganda: Ntandi: LACM: 1 [1 - **1** - **1**].
8 November 1968: Uganda: Ntandi: LACM: 1 [1 - **1** - **1**].
4 December 1968: Uganda: Bwamba Forest, Humia: LACM: 5 [5 - **5** - **5**].
29 May 1969: Uganda: Bwindi area: LACM: 1 [1 - **1** - **1**].
22 June 1969: Uganda: Itama area: LACM: 1 [1 - **1** - **1**].
30 October 1969: Uganda: Kalinzu Forest: LACM: 1 [1 - **1** - **1**].
23 January 1974: Ethiopia: Giner, 48 km N: ROM: 1 [1 - **1** - **1**].

Total Specimens for Williams, A.: 44

Williams, A.E.

Collection Date Unknown: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 3 [3] - Sof Omar cave: ROM: 1 [1 - **4** - **4**].
10 August 1953: Kenya: Kilifi: USNM: 1 [1 - **1** - **1**].
30 May 1964: Kenya: Lake Naivasha: ROM: 1 [1 - **1** - **1**].
18 October 1964: Kenya: Mount Suswa: ROM: 1 [1 - **1** - **1**].
6 January 1965: Tanzania: Kawe: LACM: 2 [2 - **2** - **2**].
4 April 1965: Kenya: Lake Naivasha: ROM: 1 [1 - **1** - **1**].
2 September 1965: Kenya: Gibraltar island: ROM: 6 [6 - **6** - **6**].
16 June 1966: Kenya: Trans-Nzoia district: ROM: 1 [1 - **1** - **1**].

23 August 1967: Kenya: Sigor: ROM: 7 [7 - **7** - **7**].
24 August 1967: Kenya: Sigor: ROM: 3 [3 - **3** - **3**].
25 August 1967: Kenya: Sigor: ROM: 7 [7 - **7** - **7**].
18 September 1967: Kenya: Baringo, lake: ROM: 2 [2 - **2** - **2**].
26 January 1968: Kenya: Takaungu: LACM: 5 [5 - **5** - **5**].
7 March 1968: Kenya: Olorgasailie: ROM: 1 [1 - **1** - **1**].
28 March 1968: Kenya: Kericho: ROM: 3 [3 - **3** - **3**].
1 June 1968: Madagascar: Périnet, 1 mi S: ROM: 1 [1 - **1** - **1**].
2 June 1968: Madagascar: Périnet, 1 mi S: ROM: 2 [2 - **2** - **2**].
3 June 1968: Madagascar: Périnet, 1 mi S: ROM: 4 [4 - **4** - **4**].
10 June 1968: Madagascar: Analamazaotra forest, Périnet: ROM: 1 [1] - Saint Augustin: ROM: 20 [20 - **21** - **21**].
15 June 1968: Madagascar: Fort Dauphin, 32 km NE: ROM: 1 [1] - Mandromondromotra River: ROM: 2 [2 - **3** - **3**].
16 June 1968: Madagascar: Fort Dauphin, 13 km NE: ROM: 7 [7 - **7** - **7**].
7 August 1968: Kenya: Lake Bogoria: ROM: 2 [2 - **2** - **2**].
11 February 1969: Kenya: Lutore forest: ROM: 1 [1 - **1** - **1**].
5 March 1969: Kenya: Diani: ROM: 1 [1 - **1** - **1**].
6 December 1972: Madagascar: North West Madagascar: ROM: 2 [2 - **2** - **2**].
9 April 1973: Kenya: Kampi ya Samaki: ROM: 3 [3 - **3** - **3**].
21 April 1973: Kenya: Kampi ya Samaki: ROM: 1 [1 - **1** - **1**].
2 May 1973: Kenya: Kampi ya Samaki: ROM: 1 [1 - **1** - **1**].
28 October 1973: Kenya: Rongai, 5 km S: ROM: 3 [3 - **3** - **3**].
24 December 1973: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 4 [4] - Ginir, 49 km N: ROM: 1 [1] - Jarra: ROM: 5 [5 - **10** - **10**].
28 December 1973: Ethiopia: Giner, 48 km N: ROM: 1 [1] - Ginir, 49 km N: ROM: 1 [1 - **2** - **2**].
29 December 1973: Ethiopia: Jarra: ROM: 2 [2 - **2** - **2**].
30 December 1973: Ethiopia: Giner, 48 km N: ROM: 1 [1] - Ginir, 49 km N: ROM: 1 [1] - Jarra: ROM: 2 [2 - **4** - **4**].
1 January 1974: Ethiopia: Giner, 48 km N: ROM: 2 [2] - Ginir, 30 mi [=48 km] N: ROM: 2 [2 - **4** - **4**].
2 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 1 [1] - Ginir, 49 km N: ROM: 1 [1 - **2** - **2**].
4 January 1974: Ethiopia: Giner, 48 km N: ROM: 1 [1] - Ginir, 49 km N: ROM: 1 [1] - Jarra: ROM: 1 [1 - **3** - **3**].
5 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 2 [2 - **2** - **2**].
6 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 1 [1] - Jarra: ROM: 7 [7 - **8** - **8**].
7 January 1974: Ethiopia: Giner, 48 km N: ROM: 2 [2] - Jarra: ROM: 4 [4 - **6** - **6**].
8 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 2 [2] - Jarra: ROM: 5 [5 - **7** - **7**].
10 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 2 [2] - Jarra: ROM: 2 [2 - **4** - **4**].
12 January 1974: Ethiopia: Giner, 48 km N: ROM: 1 [1] - Ginir, 30 mi [=48 km] N: ROM: 3 [3] - Jarra: ROM: 1 [1 - **5** - **5**].
13 January 1974: Ethiopia: Jarra: ROM: 2 [2 - **2** - **2**].
15 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 3 [3] - Ginir, 49 km N: ROM: 1 [1] - Jarra: ROM: 3 [3 - **7** - **7**].
16 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 3 [3] - Jarra: ROM: 2 [2 - **5** - **5**].
18 January 1974: Ethiopia: Jarra: ROM: 5 [5 - **5** - **5**].
19 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 5 [5 - **5** - **5**].
20 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 4 [4] - Jarra: ROM: 2 [2 - **6** - **6**].
21 January 1974: Ethiopia: Jarra: ROM: 3 [3 - **3** - **3**].
22 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 5 [5 - **5** - **5**].
23 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 2 [2 - **2** - **2**].
24 January 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 1 [1] - Jarra: ROM: 1 [1 - **2** - **2**].
5 February 1974: Ethiopia: Sof Omar cave: ROM: 5 [5 - **5** - **5**].
7 February 1974: Ethiopia: Ginir, 30 mi [=48 km] N: ROM: 1 [1 - **1** - **1**].
24 February 1974: Ethiopia: Addis Ababa, 24 km E: ROM: 3 [3 - **3** - **3**].
25 February 1974: Ethiopia: Addis Ababa, 24 km E: ROM: 1 [1 - **1** - **1**].
27 February 1974: Ethiopia: Melka Were: ROM: 7 [7 - **7** - **7**].
3 March 1974: Ethiopia: Melka Were: ROM: 1 [1 - **1** - **1**].
4 March 1974: Ethiopia: Melka Were: ROM: 3 [3 - **3** - **3**].
5 March 1974: Ethiopia: Melka Were: ROM: 11 [11 - **11** - **11**].
6 March 1974: Ethiopia: Melka Were: ROM: 5 [5 - **5** - **5**].
8 March 1974: Ethiopia: Melka Were: ROM: 5 [5 - **5** - **5**].
9 March 1974: Ethiopia: Melka Were: ROM: 7 [7 - **7** - **7**].
10 March 1974: Ethiopia: Melka Were: ROM: 11 [11 - **11** - **11**].
11 March 1974: Ethiopia: Melka Were: ROM: 11 [11 - **11** - **11**].
12 March 1974: Ethiopia: Melka Were: ROM: 14 [14 - **14** - **14**].
14 March 1974: Ethiopia: Melka Were: ROM: 8 [8 - **8** - **8**].
15 March 1974: Ethiopia: Melka Were: ROM: 5 [5 - **5** - **5**].
16 March 1974: Ethiopia: Melka Were: ROM: 4 [4 - **4** - **4**].
17 March 1974: Ethiopia: Melka Were: ROM: 4 [4 - **4** - **4**].
18 March 1974: Ethiopia: Melka Were: ROM: 4 [4 - **4** - **4**].
19 March 1974: Ethiopia: Melka Sadi: ROM: 3 [3 - **3** - **3**].
20 March 1974: Ethiopia: Melka Sadi: ROM: 2 [2 - **2** - **2**].
23 October 1974: Kenya: Njoro, 3 mi [= 4.8 km] W: ROM: 2 [2 - **2** - **2**].
24 October 1974: Kenya: Menengai Crater: ROM: 6 [6 - **6** - **6**].
10 November 1974: Kenya: Morok River: ROM: 8 [8 - **8** - **8**].
11 November 1974: Kenya: Morok River: ROM: 11 [11 - **11** - **11**].
26 November 1974: Kenya: Marigat: ROM: 11 [11 - **11** - **11**].
28 November 1974: Kenya: Marigat: ROM: 9 [9] - Marigat, Perakera River: ROM: 3 [3] - Ngambo: ROM: 16 [16 - **28** - **28**].
29 November 1974: Kenya: Kampy Ya Samaki, 2 mi S: ROM: 1 [1] - Ngambo: ROM: 1 [1 - **2** - **2**].
1 December 1974: Kenya: Molo river: ROM: 31 [31 - **31** - **31**].

Total Specimens for Williams, A.E.: 412

Williams, A.E.; Jones

1 February 1966: Kenya: Sigor: ROM: 5 [5 - **5** - **5**].

Total Specimens for Williams, A.E.; Jones: 5

Williams, A.E.; Kyongo, Robert N.

28 June 1974: Kenya: Ramu: ROM: 1 [1 - **1** - **1**].
24 October 1974: Kenya: Menengai Crater: ROM: 9 [9 - **9** - **9**].
28 October 1974: Kenya: Kakamega Forest: ROM: 9 [9 - **9** - **9**].
1 November 1974: Kenya: Kakamega Forest: ROM: 2 [2 - **2** - **2**].
4 November 1974: Kenya: Kakamega Forest: ROM: 8 [8 - **8** - **8**].
5 November 1974: Kenya: Kakamega Forest: ROM: 11 [11 - **11** - **11**].
6 November 1974: Kenya: Kakamega Forest: ROM: 6 [6 - **6** - **6**].
13 November 1974: Kenya: Kakamega Forest: ROM: 10 [10 - **10** - **10**].

Total Specimens for Williams, A.E.; Kyongo, Robert N.: 56

Williams, A.E.; Williams, John George

10 July 1958: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
14 August 1963: Kenya: Kedong Valley: ROM: 1 [1 - **1** - **1**].
8 September 1963: Kenya: Archer's Post: ROM: 2 [2 - **2** - **2**].
20 November 1963: Kenya: Ngomeni: ROM: 3 [3 - **3** - **3**].
2 February 1964: Kenya: Karen: ROM: 1 [1 - **1** - **1**].
27 February 1964: Kenya: Mount Marsabit: ROM: 1 [1 - **1** - **1**].
29 February 1964: Kenya: Mount Marsabit: ROM: 5 [5 - **5** - **5**].
3 March 1964: Kenya: Sirmai: ROM: 2 [2 - **2**].
Tanzania: Mombo: ROM: 1 [1 - **1** - **3**].
4 March 1964: Kenya: Kapenguria: ROM: 1 [1 - **1** - **1**].
7 March 1964: Kenya: Olorgasailie: ROM: 1 [1 - **1** - **1**].
10 March 1964: Kenya: Kapenguria: ROM: 1 [1 - **1** - **1**].
18 March 1964: Kenya: Kapenguria: ROM: 1 [1 - **1** - **1**].
2 April 1964: Tanzania: Tanga: ROM: 2 [2 - **2** - **2**].
4 April 1964: Kenya: Ngong: ROM: 3 [3 - **3** - **3**].
5 April 1964: Kenya: Ulu: ROM: 1 [1 - **1** - **1**].
15 April 1964: Kenya: Cherangani Hills: ROM: 1 [1 - **1** - **1**].
21 April 1964: Kenya: Kilifi: ROM: 2 [2 - **2** - **2**].
11 June 1965: Kenya: Loiya: ROM: 1 [1 - **1** - **1**].
18 April 1966: Kenya: Kilifi: ROM: 1 [1 - **1** - **1**].
19 April 1966: Kenya: Kilifi: ROM: 3 [3 - **3** - **3**].
21 April 1966: Kenya: Kilifi: ROM: 4 [4 - **4** - **4**].
2 July 1966: Uganda: Budongo Forest: LACM: 1 [1 - **1** - **1**].
30 April 1973: Kenya: Kilimani Estate: ROM: 6 [6 - **6** - **6**].
2 May 1973: Kenya: Kampi Ya Samaki: ROM: 2 [2 - **2** - **2**].
10 May 1973: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
13 May 1973: Kenya: Maungu: ROM: 4 [4 - **4** - **4**].
28 August 1973: Kenya: Shimoni: ROM: 4 [4 - **4** - **4**].
29 August 1973: Kenya: Shimoni: ROM: 4 [4 - **4** - **4**].
30 August 1973: Kenya: Shimoni: ROM: 9 [9 - **9** - **9**].
9 October 1973: Kenya: Njoro: ROM: 2 [2 - **2** - **2**].
27 October 1973: Kenya: Rongai, 5 km S: ROM: 2 [2 - **2** - **2**].
28 October 1973: Kenya: Rongai, 5 km S: ROM: 1 [1 - **1** - **1**].
29 October 1973: Kenya: Njoro: ROM: 1 [1 - **1** - **1**].
7 November 1973: Kenya: Lake Naivasha: ROM: 7 [7 - **7** - **7**].
10 November 1973: Kenya: Kilimani Estate: ROM: 9 [9 - **9** - **9**].

Total Specimens for Williams, A.E.; Williams, John George: 92

Williams, A.E.; Williams, John George; Kyongo, Robert N.

10 December 1973: Kenya: Hunter's Lodge, near: ROM: 1 [1 - **1** - **1**].
5 July 1974: Kenya: Ramu: ROM: 2 [2 - **2** - **2**].
9 July 1974: Kenya: Ramu: ROM: 1 [1 - **1** - **1**].
11 July 1974: Kenya: Ramu: ROM: 1 [1 - **1** - **1**].
12 July 1974: Kenya: Ramu: ROM: 1 [1 - **1** - **1**].
1 November 1974: Kenya: Njoro, 3 mi [= 4.8 km] W: ROM: 1 [1 - **1** - **1**].
18 July 1975: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].

Total Specimens for Williams, A.E.; Williams, John George; Kyongo, Robert N.: 8

Williams, D.C.

25 March 1925: South Africa: King William's Town: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Williams, D.C.: 1

Williams, J.

Collection Date Unknown: Tanzania: Ugala River: MNHN: 4 [4 - **4** - **4**].
7 February 1959: Kenya: Barberton Cave: LACM: 1 [1 - **1** - **1**].
22 May 1959: Kenya: Kiambu: LACM: 1 [1 - **1** - **1**].
3 June 1963: Kenya: Nairobi province: USNM: 1 [1 - **1** - **1**].
7 June 1963: Kenya: Menengai Crater: USNM: 1 [1 - **1** - **1**].
8 June 1963: Kenya: Lake Naivasha: USNM: 1 [1 - **1** - **1**].
9 June 1963: Kenya: Lake Naivasha: USNM: 4 [4 - **4** - **4**].
18 June 1963: Kenya: Menengai Crater: USNM: 3 [3 - **3** - **3**].
19 August 1963: Kenya: NFD, Isiolo: LACM: 1 [1 - **1** - **1**].
6 September 1963: Tanzania: Tabora: LACM: 1 [1] - unspecified locality: LACM: 1 [1 - **2** - **2**].
10 October 1963: Tanzania: Tanga region: LACM: 1 [1 - **1** - **1**].
20 October 1963: Kenya: Loitokitok: LACM: 1 [1 - **1** - **1**].
5 November 1963: Kenya: NFD, Isiolo: LACM: 1 [1 - **1** - **1**].
12 December 1965: Kenya: Tambala Falls: ROM: 1 [1 - **1** - **1**].
18 August 1994: South Africa: Wonderkop Nature Reserve: TM: 1 [1 - **1** - **1**].

Total Specimens for Williams, J.: 24

Williams, J.; Geraghty, P.; Shortt, Terence Michael

22 June 1968: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].

Total Specimens for Williams, J.; Geraghty, P.; Shortt, Terence Michael: 1

Williams, J.C.

10 November 1945: Uganda: Bwainba: FMNH: 1 [1 - **1** - **1**].
11 October 1951: Kenya: Shimoni: FMNH: 4 [4 - **4** - **4**].
15 January 1952: Kenya: Kiambu, near: FMNH: 7 [7 - **7** - **7**].
1 June 1952: Uganda: Soroti: FMNH: 2 [2 - **2** - **2**].
7 July 1952: Tanzania: Simiyu river: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Williams, J.C.: 15

Williams, John George
(1913 - 28 December 1997)

Collection Date Unknown: Kenya: Guaso Nyiro River: LACM: 8 [8] - Kakamega Forest: LACM: 2 [2] - Kilifi: LACM: 2 [2] - Londiani: HNHM: 1 [1] - Namanga: HZM: 2 [2] - Ngong: ROM: 1 [1] - Sigor: ROM: 1 [1] - Sokoke Forest: AMNH: 1 [1 - **18** - **18**].
1 November 1945: Uganda: Toro: ROM: 2 [2 - **2** - **2**].
5 December 1949: Kenya: Unknown locality: UCLA: 1 [1 - **1** - **1**].
1 June 1952: Uganda: Soroti: FMNH: 2 [2 - **2** - **2**].
10 July 1952: Tanzania: Simiyu river: FMNH: 1 [1 - **1** - **1**].
10 December 1952: Kenya: Namanga: HZM: 1 [1 - **1** - **1**].
2 May 1953: Kenya: southeast slopes: HZM: 5 [5 - **5** - **5**].
10 June 1953: South Sudan: Lokomarinyang Marsh: BMNH: 1 [1] - Lokomorinyang: HZM: 1 [1 - **2** - **2**].
5 October 1953: Kenya: Lodwar: AMNH: 1 [1 - **1** - **1**].
15 December 1956: Kenya: Lirandha Hill: HZM: 7 [7 - **7** - **7**].
9 June 1958: Kenya: unspecified locality: LACM: 1 [1 - **1** - **1**].
1 July 1958: Uganda: Toro: ROM: 1 [1 - **1** - **1**].
12 May 1959: Kenya: Nairobi: LACM: 1 [1 - **1** - **1**].
1 July 1959: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
8 July 1960: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
23 September 1960: Tanzania: Amani: ROM: 1 [1 - **1** - **1**].
27 November 1960: Uganda: Mweya: AMNH: 1 [1 - **1** - **1**].
1 December 1960: Tanzania: Lake Tanganyika, Tanganyika: ROM: 1 [1 - **1**].
Uganda: Masindi: ROM: 5 [5 - **5** - **6**].
1 January 1962: Uganda: Bunyoro: ROM: 2 [2 - **2** - **2**].
1 August 1962: Uganda: Metu Rest Camp: ROM: 2 [2 - **2** - **2**].
24 December 1962: Kenya: Kakamega Forest: LACM: 1 [1 - **1** - **1**].
2 May 1963: Uganda: Bunyoro: ROM: 1 [1 - **1** - **1**].
8 May 1963: Uganda: Bunyoro: ROM: 1 [1 - **1** - **1**].
9 June 1963: Kenya: Lake Naivasha: ROM: 5 [5 - **5** - **5**].
7 July 1963: Kenya: Isiolo: ROM: 5 [5 - **5** - **5**].
12 July 1963: Tanzania: Tanga: ROM: 1 [1 - **1** - **1**].
3 August 1963: Kenya: Kedong Valley: AMNH: 1 [1 - **1** - **1**].

10 August 1963: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
13 August 1963: Kenya: Shimoni: ROM: 2 [2 - **2** - **2**].
1 September 1963: Tanzania: Tanga: AMNH: 2 [2 - **2** - **2**].
1 December 1963: Kenya: Hoey's bridge: ROM: 1 [1 - **1** - **1**].
1 January 1964: Tanzania: Tanga: ROM: 4 [4 - **4** - **4**].
2 January 1964: Kenya: Kaptagat: ROM: 1 [1 - **1** - **1**].
27 February 1964: Kenya: Marsabit mountain: YPM: 1 [1 - **1** - **1**].
10 March 1964: Kenya: Kapenguria: ROM: 2 [2] - Sigor: LACM: 2 [2 - **4** - **4**].
20 March 1964: Kenya: Archer's Post: ROM: 3 [3 - **3** - **3**].
21 March 1964: Kenya: Archer's Post: ROM: 1 [1 - **1** - **1**].
1 April 1964: Tanzania: Tanga: ROM: 3 [3 - **3** - **3**].
5 April 1964: Kenya: Ngong: ROM: 1 [1 - **1** - **1**].
9 April 1964: Kenya: Ngong: HZM: 1, ROM: 1 [2 - **2** - **2**].
11 April 1964: Kenya: Cherangani Hills: ROM: 1 [1 - **1** - **1**].
12 April 1964: Tanzania: Tanga: LACM: 1, ROM: 3 [4 - **4** - **4**].
20 April 1964: Kenya: Archer's Post: CM: 1, HZM: 4, ROM: 3 [8 - **8** - **8**].
11 May 1964: Kenya: Ngong: ROM: 2 [2 - **2** - **2**].
20 May 1964: Tanzania: Tanga: ROM: 1 [1 - **1** - **1**].
30 May 1964: Kenya: Lake Naivasha: ROM: 4 [4 - **4** - **4**].
31 May 1964: Kenya: Granite Hills, Mombaso Road: ROM: 10 [10] - Simba River: ROM: 3 [3 - **13** - **13**].
2 June 1964: Kenya: Koru: ROM: 12 [12 - **12** - **12**].
5 June 1964: Kenya: Ngong: ROM: 2 [2 - **2** - **2**].
13 June 1964: Kenya: Kampi ya Samaki: AMNH: 1 [1 - **1** - **1**].
14 June 1964: Kenya: Baringo, lake: ROM: 1 [1 - **1** - **1**].
1 July 1964: Kenya: Escarpment Kampi ya Samaki: ROM: 1 [1] - Kongelai Escarpment, Tambala Falls: ROM: 2 [2 - **3** - **3**].
2 July 1964: Kenya: Magadi: ROM: 1 [1 - **1** - **1**].
3 July 1964: Kenya: Magadi: ROM: 1 [1 - **1** - **1**].
6 July 1964: Kenya: Lake Magadi: ROM: 1 [1 - **1** - **1**].
13 July 1964: Kenya: Kampi Ya Samalei: MCZ: 1 [1] - Kampiva Samdet, near: YPM: 2 [2 - **3** - **3**].
14 July 1964: Kenya: Lake Baringo Escarpment: LACM: 3 [3] - Lake Baringo, Escarpment: ROM: 1 [1 - **4** - **4**].
15 July 1964: Kenya: Escarpment Kampi ya Samaki: LACM: 1 [1 - **1** - **1**].
21 July 1964: Kenya: Kampi Ya Samaki: ROM: 1 [1] - Lake Baringo: ROM: 1 [1 - **2** - **2**].
22 July 1964: Kenya: Kongelai: ROM: 1 [1] - Kongelai Escarpment: LACM: 2 [2 - **3** - **3**].
23 July 1964: Kenya: Kongelai Escarpment, Tambala Falls: ROM: 2 [2 - **2** - **2**].
24 July 1964: Kenya: Kongelai Escarpment: ROM: 1 [1] - Kongelai Escarpment, Tambala Falls: ROM: 2 [2 - **3** - **3**].
1 August 1964: Kenya: Baringo, lake: ROM: 5 [5 - **5** - **5**].
10 August 1964: Kenya: Baringo, lake: ROM: 1 [1 - **1** - **1**].
18 October 1964: Kenya: Kedong Valley: ROM: 7 [7] - Mount Suswa cave: ROM: 1 [1 - **8** - **8**].
22 December 1964: Malawi: Chitale: ROM: 2 [2 - **2** - **2**].
27 December 1964: Kenya: Bat island: ROM: 1 [1 - **1** - **1**].
28 December 1964: Kenya: Malindi: ROM: 1 [1 - **1** - **1**].
29 December 1964: Kenya: Archer's Post: ROM: 4 [4 - **4** - **4**].
1 January 1965: Kenya: Nogmein: ROM: 1 [1 - **1**].
Tanzania: Tanga: ROM: 1 [1 - **1** - **2**].
6 January 1965: Tanzania: Kawe: ROM: 1 [1 - **1** - **1**].
15 January 1965: Somalia: Mogadiscio: ROM: 1 [1 - **1** - **1**].
15 March 1965: Kenya: Kilifi: ROM: 1 [1 - **1** - **1**].
23 March 1965: Kenya: Nairobi: ROM: 5 [5 - **5** - **5**].
4 April 1965: Kenya: Lake Naivasha: ROM: 1 [1 - **1** - **1**].
10 April 1965: Kenya: Njoro: ROM: 1 [1 - **1** - **1**].
21 May 1965: Kenya: Ukwala: ROM: 1 [1 - **1** - **1**].
23 May 1965: Kenya: Tororo, 30 mi [= 48 km] E: ROM: 7 [7 - **7** - **7**].
24 May 1965: Kenya: Tororo, 30 mi [= 48 km] E: ROM: 5 [5] - Tororo, 30 mi E: ROM: 2 [2 - **7** - **7**].
1 June 1965: Kenya: Kanyangareng: ROM: 1 [1] - Machakos: ROM: 1 [1] - Magadi: ROM: 1 [1] - Sigor: ROM: 13 [13] - Thika: ROM: 1 [1] - Ulu: ROM: 1 [1 - **18** - **18**].
5 June 1965: Kenya: Ngong: ROM: 1 [1 - **1** - **1**].
11 June 1965: Kenya: Ngong: ROM: 2 [2 - **2** - **2**].
15 June 1965: Kenya: Ngong: ROM: 3 [3 - **3** - **3**].
17 June 1965: Kenya: Nakuru: ROM: 4 [4 - **4** - **4**].
20 June 1965: Kenya: Granite Hills, Mombaso Road: ROM: 6 [6] - on Mombaso Road, Simba: ROM: 1 [1 - **7** - **7**].
24 June 1965: Kenya: Kilanguni Lodge: ROM: 2 [2 - **2** - **2**].
3 July 1965: Kenya: Machakos, 15 mi [= 24 km] SE: ROM: 6 [6 - **6** - **6**].
4 July 1965: Kenya: Koran Badas: ROM: 2 [2] - Korau: ROM: 5 [5] - Suam River, Korau: ROM: 8 [8 - **15** - **15**].
7 July 1965: Kenya: Langata forest: ROM: 1 [1] - Suam River, Korau: ROM: 3 [3 - **4** - **4**].
9 July 1965: Kenya: Kanyangareng: ROM: 14 [14 - **14** - **14**].
10 July 1965: Kenya: Diatomite mine: ROM: 21 [21] - Gilgil: ROM: 1 [1 - **22** - **22**].
17 July 1965: Kenya: Lake Naivasha: ROM: 20 [20 - **20** - **20**].
18 July 1965: Kenya: Kedong Valley: ROM: 1 [1 - **1** - **1**].
22 July 1965: Kenya: Makoyeti Gorge: ROM: 1 [1 - **1** - **1**].
24 July 1965: Kenya: Kilanguni Lodge: ROM: 4 [4 - **4** - **4**].
26 July 1965: Kenya: Amboseli: ROM: 5 [5 - **5** - **5**].
31 July 1965: Kenya: Lake Magadi: ROM: 3 [3 - **3** - **3**].
1 August 1965: Kenya: Kilifi: ROM: 2 [2] - Takaungu: ROM: 19 [19 - **21** - **21**].
4 August 1965: Kenya: Kilifi: ROM: 1 [1] - Ngong: ROM: 1 [1 - **2** - **2**].
10 August 1965: Kenya: Kedong Valley: ROM: 1 [1] - Lake Naivasha: ROM: 2 [2 - **3** - **3**].
13 August 1965: Kenya: Kilanguni Lodge: ROM: 1 [1 - **1** - **1**].

15 August 1965: Kenya: Kilifi: ROM: 13 [13] - Vipingo cave: ROM: 5 [5 - **18** - **18**].
16 August 1965: Kenya: Keekevok: ROM: 1 [1] - Kilifi: ROM: 8 [8 - **9** - **9**].
17 August 1965: Kenya: Kilifi: ROM: 1 [1] - Takaungu: ROM: 4 [4 - **5** - **5**].
19 August 1965: Kenya: Kilifi: ROM: 4 [4 - **4** - **4**].
20 August 1965: Kenya: Ukwala: ROM: 5 [5 - **5** - **5**].
21 August 1965: Kenya: Ukwala: ROM: 1 [1 - **1** - **1**].
24 August 1965: Kenya: Kaiboni River: ROM: 1 [1 - **1** - **1**].
25 August 1965: Kenya: Kongelai: ROM: 1 [1] - Murka mine: ROM: 7 [7 - **8** - **8**].
26 August 1965: Kenya: Ngong: ROM: 1 [1 - **1** - **1**].
28 August 1965: Kenya: Barberton Farm: ROM: 1 [1] - Nakuru, near: ROM: 1 [1 - **2** - **2**].
1 September 1965: Kenya: Baringo, lake: ROM: 4 [4 - **4** - **4**].
2 September 1965: Kenya: Gibraltar island: ROM: 16 [16 - **16** - **16**].
3 September 1965: Kenya: Baringo, lake: ROM: 10 [10] - Ngong: ROM: 1 [1 - **11** - **11**].
4 September 1965: Kenya: Baringo, lake: ROM: 2 [2 - **2** - **2**].
12 September 1965: Kenya: Lumbwa: ROM: 1 [1 - **1** - **1**].
16 September 1965: Kenya: Keekevok: ROM: 1 [1 - **1** - **1**].
20 September 1965: Kenya: Ukwala: ROM: 5 [5 - **5** - **5**].
27 September 1965: Kenya: Kaiboni River: ROM: 2 [2 - **2** - **2**].
28 September 1965: Kenya: Ortum: ROM: 1 [1 - **1** - **1**].
14 October 1965: Kenya: Ngong: ROM: 1 [1 - **1** - **1**].
20 October 1965: Kenya: Langata: ROM: 1 [1 - **1** - **1**].
1 November 1965: Kenya: Kamama: ROM: 1 [1 - **1** - **1**].
11 November 1965: Uganda: Katwe, near: ROM: 1 [1 - **1** - **1**].
12 November 1965: Uganda: Katwe: ROM: 1 [1] - Katwe, near: ROM: 1 [1 - **2** - **2**].
13 November 1965: Uganda: Katwe, near: ROM: 1 [1 - **1** - **1**].
14 November 1965: Uganda: Entebbe: ROM: 2 [2 - **2** - **2**].
18 November 1965: Kenya: Namanga: ROM: 1 [1 - **1** - **1**].
21 November 1965: Tanzania: Seronera: ROM: 1 [1 - **1** - **1**].
11 December 1965: Kenya: Mitunbur: ROM: 7 [7] - Sigor: ROM: 12 [12] - Wei Wei River: ROM: 2 [2 - **21** - **21**].
12 December 1965: Kenya: Tambalal Falls: ROM: 1 [1 - **1** - **1**].
13 December 1965: Kenya: Kongelai: ROM: 2 [2] - Suam river: ROM: 2 [2 - **4** - **4**].
16 December 1965: Kenya: Alamer: ROM: 2 [2] - Kolossia: ROM: 1 [1 - **3** - **3**].
17 December 1965: Kenya: Sigor: ROM: 10 [10] - Wei Wei River: ROM: 1 [1 - **11** - **11**].
23 December 1965: Kenya: Kongelai: ROM: 2 [2] - Kongelai Escarpment, Tambala Falls: ROM: 1 [1 - **3** - **3**].
5 January 1966: Kenya: Samburu Game Lodge: ROM: 2 [2] - Samburu Lodge, Vasio Nyiro River: ROM: 4 [4 - **6** - **6**].
12 January 1966: Kenya: Baringo, lake: ROM: 1 [1 - **1** - **1**].
18 January 1966: Kenya: Mtito Andei: ROM: 1 [1 - **1** - **1**].
19 January 1966: Kenya: Mtito Andei: ROM: 2 [2 - **2** - **2**].
24 January 1966: Uganda: Toro: ROM: 1 [1 - **1** - **1**].
25 January 1966: Uganda: Bwamba Forest: ROM: 1 [1 - **1** - **1**].
5 February 1966: Uganda: Soroti: ROM: 9 [9 - **9** - **9**].
26 March 1966: Kenya: Nakuru: ROM: 4 [4 - **4** - **4**].
13 April 1966: Kenya: Shimoni: ROM: 13 [13 - **13** - **13**].
17 April 1966: Kenya: Kilifi Creek, head of: ROM: 2 [2 - **2** - **2**].
20 April 1966: Kenya: Shimoni: ROM: 1 [1] - Sokoke Forest: ROM: 2 [2 - **3** - **3**].
21 April 1966: Kenya: Kilifi Creek, head of: ROM: 13 [13 - **13** - **13**].
22 April 1966: Kenya: Kilifi: ROM: 4 [4 - **4** - **4**].
15 May 1966: Kenya: West Lands: ROM: 1 [1 - **1** - **1**].
17 May 1966: Kenya: West Lands: ROM: 2 [2 - **2** - **2**].
1 July 1966: Kenya: Sigor: ROM: 4 [4 - **4** - **4**].
3 July 1966: Kenya: Masol Location: ROM: 4 [4 - **4** - **4**].
4 July 1966: Kenya: Masol Location: ROM: 3 [3 - **3** - **3**].
7 July 1966: Kenya: Masol Location: ROM: 4 [4] - Sigor: ROM: 3 [3 - **7** - **7**].
12 July 1966: Kenya: Sigor: ROM: 2 [2 - **2** - **2**].
13 July 1966: Kenya: Sigor: ROM: 13 [13 - **13** - **13**].
14 July 1966: Kenya: Sigor: ROM: 3 [3 - **3** - **3**].
19 July 1966: Kenya: Sigor: ROM: 1 [1 - **1** - **1**].
20 July 1966: Kenya: Sigor: ROM: 6 [6 - **6** - **6**].
21 July 1966: Kenya: Sigor: ROM: 2 [2 - **2** - **2**].
22 July 1966: Kenya: Kaputir: ROM: 2 [2 - **2** - **2**].
24 July 1966: Kenya: Mtembur: ROM: 2 [2 - **2** - **2**].
3 August 1966: Kenya: Barberton Cave: ROM: 3 [3 - **3** - **3**].
8 August 1966: Kenya: Kanyangareng: ROM: 5 [5 - **5** - **5**].
9 August 1966: Kenya: Kanyangareng: ROM: 2 [2 - **2** - **2**].
10 August 1966: Kenya: Kanyangareng: ROM: 8 [8 - **8** - **8**].
11 August 1966: Kenya: Diani: ROM: 1 [1] - Kanyangareng: ROM: 5 [5 - **6** - **6**].
16 August 1966: Kenya: Kapenguria: ROM: 1 [1 - **1**].
Uganda: Buligi: ROM: 1 [1 - **1** - **2**].
17 August 1966: Kenya: Kapenguria: ROM: 2 [2 - **2** - **2**].
18 August 1966: Kenya: Kapenguria: ROM: 1 [1 - **1** - **1**].
22 August 1966: Kenya: Samokitok: ROM: 1 [1] - Sigor: ROM: 4 [4 - **5** - **5**].
23 August 1966: Kenya: Sigor: ROM: 4 [4 - **4** - **4**].
24 August 1966: Kenya: Sigor: ROM: 2 [2 - **2** - **2**].
26 August 1966: Kenya: Kapenguria: ROM: 1 [1 - **1** - **1**].
27 August 1966: Kenya: Kapenguria: ROM: 1 [1 - **1** - **1**].
31 August 1966: Kenya: Barberton Cave: ROM: 7 [7 - **7** - **7**].

1 September 1966: Uganda: Murchison Falls-NP [= Murchison Falls Park]: ROM: 1 [1 - **1** - **1**].
2 September 1966: Kenya: Barberton Cave: ROM: 20 [20 - **20** - **20**].
3 September 1966: Kenya: Barberton Cave: ROM: 4 [4 - **4** - **4**].
8 September 1966: Kenya: Kanyangareng: ROM: 1 [1] - Kapenguria: ROM: 1 [1 - **2** - **2**].
9 September 1966: Kenya: Kapenguria: ROM: 1 [1] - Shimoni: ROM: 1 [1 - **2** - **2**].
10 September 1966: Kenya: Shimoni: ROM: 1 [1 - **1** - **1**].
13 September 1966: Kenya: Turkwell Gorge: ROM: 3 [3 - **3** - **3**].
16 September 1966: Uganda: Bunyoro: ROM: 4 [4 - **4** - **4**].
17 September 1966: Kenya: Masol Location: ROM: 1 [1 - **1**].
Uganda: Budongo Forest: ROM: 9 [9] - Bunyoro: ROM: 2 [2 - **11** - **12**].
18 September 1966: Uganda: Budongo Forest: ROM: 2 [2 - **2** - **2**].
20 September 1966: Kenya: Sigor: ROM: 2 [2 - **2** - **2**].
26 September 1966: Kenya: Kapenguria: ROM: 1 [1 - **1** - **1**].
9 October 1966: Kenya: Kanyangareng: ROM: 1 [1 - **1** - **1**].
1 November 1966: Uganda: Masindi, near: ROM: 1 [1 - **1** - **1**].
26 January 1967: Uganda: Paraa: ROM: 1 [1 - **1** - **1**].
27 January 1967: Uganda: Fort Portal: ROM: 1 [1 - **1** - **1**].
31 January 1967: Uganda: Lake Edward: ROM: 1 [1 - **1** - **1**].
5 February 1967: Kenya: Mara River: ROM: 3 [3 - **3**].
Uganda: Bunyoro: ROM: 1 [1 - **1** - **4**].
6 February 1967: Kenya: Mard River: ROM: 1 [1 - **1** - **1**].
28 March 1967: Kenya: Kilanguni Lodge: ROM: 1 [1 - **1** - **1**].
11 May 1967: South Africa: Uitkomst, Farm 499: ROM: 1 [1 - **1** - **1**].
3 June 1967: South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: ROM: 1 [1 - **1** - **1**].
10 July 1967: Uganda: Mweya: ROM: 1 [1 - **1** - **1**].
15 August 1967: Kenya: Kilifi: ROM: 1 [1] - Sokoke Forest: ROM: 1 [1 - **2** - **2**].
27 August 1967: Kenya: Sigor: ROM: 1 [1 - **1** - **1**].
8 September 1967: Kenya: Archer's Post: ROM: 2 [2 - **2** - **2**].
18 September 1967: Kenya: Baringo, lake: ROM: 1 [1 - **1** - **1**].
30 September 1967: Kenya: Kilanguni Lodge: ROM: 1 [1 - **1** - **1**].
11 December 1967: Kenya: Barberton Cave: ROM: 2 [2 - **2** - **2**].
1 January 1968: Kenya: Makindu, 19 km W: ROM: 14 [14 - **14**].
Tanzania: Muansa [=Mwanza]: ROM: 1 [1 - **1** - **15**].
18 February 1968: Kenya: Mtito Andei, near: AMNH: 9 [9 - **9**].
Tanzania: Kilimanjaro, Mount: AMNH: 1 [1 - **1** - **10**].
23 February 1968: Tanzania: Kilimanjaro, Mount: AMNH: 13 [13 - **13** - **13**].
26 February 1968: Kenya: Amboseli: AMNH: 1 [1 - **1** - **1**].
2 March 1968: Kenya: Lake Elementeita: ROM: 1 [1 - **1** - **1**].
13 March 1968: Kenya: Nairobi, 30 mi [= 48 km] E: ROM: 44 [44 - **44** - **44**].
17 March 1968: Kenya: Nairobi, 30 mi [= 48 km] E: ROM: 5 [5 - **5** - **5**].
21 March 1968: Kenya: Archer's Post: ROM: 3 [3 - **3** - **3**].
25 March 1968: Kenya: Mtito Andei: ROM: 2 [2] - Rumurati, 64 km NW: ROM: 1 [1 - **3** - **3**].
1 April 1968: Kenya: Kericho: ROM: 2 [2 - **2**].
Uganda: Katwe: ROM: 12 [12 - **12** - **14**].
1 June 1968: Kenya: Nyeri: ROM: 1 [1 - **1** - **1**].
2 June 1968: Uganda: Budongo Forest: ROM: 3 [3 - **3** - **3**].
3 June 1968: Uganda: Budongo Forest: ROM: 7 [7] - Bunyoro: ROM: 4 [4 - **11** - **11**].
4 June 1968: Uganda: Budongo Forest: ROM: 1 [1] - Bunyoro: ROM: 3 [3 - **4** - **4**].
6 June 1968: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].
10 June 1968: Madagascar: Saint Augustin: ROM: 1 [1 - **1** - **1**].
19 June 1968: Uganda: Sonsor river: ROM: 1 [1 - **1** - **1**].
30 June 1968: Kenya: Lake Naivasha: ROM: 22 [22 - **22** - **22**].
15 July 1968: Kenya: Elgon, Mount: ROM: 1 [1 - **1** - **1**].
21 July 1968: Kenya: Kampi Ya Samaki: ROM: 2 [2] - Kilanguni Lodge: ROM: 10 [10 - **12** - **12**].
23 July 1968: Kenya: Tsavo-East-NP: ROM: 1 [1 - **1** - **1**].
30 July 1968: Kenya: Meru: ROM: 1 [1 - **1** - **1**].
8 August 1968: Kenya: Igembe: ROM: 41 [41 - **41** - **41**].
12 August 1968: Kenya: Igembe: ROM: 6 [6] - Kilanguni Lodge: ROM: 1 [1 - **7** - **7**].
15 August 1968: Kenya: Cherangani Hills: ROM: 10 [10 - **10** - **10**].
23 August 1968: Kenya: Cherangani Mountains, Tangasia [= Tangasha] River: ROM: 5 [5 - **5** - **5**].
25 August 1968: Kenya: Cherangani Mountains, Tangasia [= Tangasha] River: ROM: 6 [6 - **6** - **6**].
30 August 1968: Kenya: Igembe: ROM: 15 [15 - **15** - **15**].
10 September 1968: Kenya: Kaibibich: ROM: 1 [1] - Marun River: ROM: 1 [1 - **2** - **2**].
17 September 1968: Uganda: Bunyoro: ROM: 2 [2 - **2** - **2**].
18 September 1968: Uganda: Karamoja: ROM: 36 [36 - **36** - **36**].
21 October 1968: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].
22 October 1968: Uganda: Bunyoro: ROM: 2 [2 - **2** - **2**].
15 November 1968: Uganda: Ntandi: ROM: 1 [1 - **1** - **1**].
9 February 1969: Kenya: Mukanda river: ROM: 4 [4 - **4** - **4**].
17 February 1969: Kenya: Mukanda river: ROM: 1 [1 - **1** - **1**].
18 February 1969: Kenya: Mukanda river: ROM: 1 [1 - **1** - **1**].
4 March 1969: Kenya: Tiwi: ROM: 2 [2] - Tiwi Beach: ROM: 1 [1 - **3** - **3**].
5 March 1969: Kenya: Mukanda river: ROM: 1 [1 - **1** - **1**].
9 March 1969: Kenya: Mukanda river: ROM: 1 [1 - **1** - **1**].
22 June 1969: Kenya: Nakuru: AMNH: 1 [1 - **1** - **1**].
10 July 1969: Kenya: Lake Magadi, 40 km W: ROM: 2 [2 - **2** - **2**].

20 October 1969: Uganda: Mount Moroto: ROM: 12 [12 - **12** - **12**].
14 November 1969: Uganda: Semliki flats: ROM: 1 [1 - **1** - **1**].
17 November 1969: Uganda: Budongo Forest: ROM: 1 [1] - Masindi, near: ROM: 1 [1 - **2** - **2**].
26 November 1969: Uganda: Moyo, 10 mi [=16 km] E: ROM: 7 [7 - **7** - **7**].
27 November 1969: Uganda: Moyo, 10 mi [=16 km] E: ROM: 8, SMF: 1 [9 - **9** - **9**].
30 November 1969: Uganda: Masindi, near: ROM: 1 [1 - **1** - **1**].
10 July 1970: Kenya: Diani Beach: ROM: 1 [1] - Moto cave: ROM: 1 [1 - **2** - **2**].
2 October 1970: Uganda: Budongo Forest: ROM: 1 [1] - Masindi, near: ROM: 1 [1 - **2** - **2**].
3 October 1970: Uganda: Budongo Forest: ROM: 5 [5] - Masindi, near: ROM: 2 [2 - **7** - **7**].
4 October 1970: Uganda: 25 km NW Masindi: ROM: 1 [1] - Budongo Forest: ROM: 4 [4] - Masindi, near: ROM: 1 [1 - **6** - **6**].
5 October 1970: Uganda: Budongo Forest: ROM: 7 [7] - Bunyoro: ROM: 1 [1 - **8** - **8**].
20 October 1970: Uganda: Kayonza Forest: ROM: 1 [1 - **1** - **1**].
13 November 1970: Kenya: Archer's Post: AMNH: 1 [1 - **1** - **1**].
18 November 1970: Kenya: Gibraltar island: AMNH: 2 [2] - Lake Baringo: AMNH: 4 [4 - **6** - **6**].
23 November 1970: Uganda: Ruhiza: AMNH: 21 [21 - **21** - **21**].
25 November 1970: Uganda: Mweya: AMNH: 1 [1 - **1** - **1**].
26 November 1970: Uganda: Mweya: AMNH: 6 [6 - **6** - **6**].
27 November 1970: Uganda: Fort Portal: AMNH: 1 [1 - **1** - **1**].
29 November 1970: Uganda: Budongo Forest: AMNH: 2 [2 - **2** - **2**].
30 November 1970: Uganda: Budongo Forest: AMNH: 17 [17 - **17** - **17**].
10 December 1970: Kenya: Lake Nakuru: ROM: 5 [5 - **5** - **5**].
23 December 1970: Kenya: Ithundu cave: ROM: 1 [1 - **1** - **1**].
28 December 1970: Kenya: Makindu: ROM: 1 [1] - Makindu River: ROM: 4 [4 - **5** - **5**].
29 December 1970: Kenya: Makindu River: ROM: 4 [4 - **4** - **4**].
5 January 1971: Kenya: Nakuru: ROM: 3 [3 - **3** - **3**].
14 January 1971: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
15 January 1971: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
20 January 1971: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
21 January 1971: Kenya: Kakamega Forest: ROM: 2 [2 - **2** - **2**].
22 January 1971: Kenya: Kakamega Forest: ROM: 3 [3 - **3** - **3**].
23 January 1971: Kenya: Kakamega Forest: ROM: 9 [9 - **9** - **9**].
24 January 1971: Kenya: Kakamega Forest: ROM: 6 [6 - **6** - **6**].
25 January 1971: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].
26 January 1971: Kenya: Kakamega Forest: ROM: 4 [4 - **4** - **4**].
27 January 1971: Kenya: Kakamega Forest: ROM: 10 [10 - **10** - **10**].
28 January 1971: Kenya: Kakamega Forest: ROM: 7 [7 - **7** - **7**].
29 January 1971: Kenya: Kakamega Forest: ROM: 13 [13 - **13** - **13**].
30 January 1971: Kenya: Kakamega Forest: ROM: 7 [7 - **7** - **7**].
20 February 1971: Kenya: Ithundu cave: ROM: 4 [4] - Mount Suswa: ROM: 2 [2 - **6** - **6**].
8 March 1971: Kenya: Saiwa river: ROM: 17 [17 - **17** - **17**].
11 March 1971: Kenya: Ortum: ROM: 7 [7 - **7** - **7**].
12 March 1971: Kenya: Ortum: ROM: 2 [2 - **2** - **2**].
13 March 1971: Kenya: Ortum: ROM: 1 [1 - **1** - **1**].
14 March 1971: Kenya: Ortum: ROM: 3 [3 - **3** - **3**].
15 March 1971: Kenya: Ortum: ROM: 4 [4 - **4** - **4**].
16 March 1971: Kenya: Ortum: ROM: 1 [1 - **1** - **1**].
18 March 1971: Kenya: Ortum: ROM: 1 [1] - Sigor: ROM: 3 [3 - **4** - **4**].
19 March 1971: Kenya: Baringo, lake: ROM: 9 [9 - **9** - **9**].
20 March 1971: Kenya: Baringo, lake: ROM: 7 [7 - **7** - **7**].
21 March 1971: Kenya: Baringo, lake: ROM: 2 [2 - **2** - **2**].
23 March 1971: Kenya: Kapenguria: ROM: 2 [2] - Saiwa river: ROM: 5 [5 - **7** - **7**].
24 March 1971: Kenya: Baringo, lake: ROM: 1 [1] - Kapsaina: ROM: 2 [2] - Lake Baringo: ROM: 2 [2] - Markwijit: ROM: 1 [1] - Ortum: ROM: 3 [3 - **9** - **9**].
25 March 1971: Kenya: Markwijit: ROM: 2 [2] - Markwijt: ROM: 4 [4 - **6** - **6**].
26 March 1971: Kenya: Markwijit: ROM: 1 [1 - **1** - **1**].
29 March 1971: Kenya: Markwijt: ROM: 1 [1 - **1** - **1**].
7 September 1971: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].
3 October 1971: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].
29 December 1971: Kenya: Makindu River: ROM: 1 [1 - **1** - **1**].
10 May 1972: Kenya: Molo: ROM: 1 [1 - **1** - **1**].
2 June 1972: Kenya: Koru: ROM: 6 [6 - **6** - **6**].
19 October 1972: Kenya: Thika, near: ROM: 1 [1 - **1** - **1**].
24 October 1972: Kenya: Thika, near: ROM: 1 [1 - **1** - **1**].
27 October 1972: Kenya: Thika, near: ROM: 1 [1 - **1** - **1**].
7 December 1972: Kenya: Kampi ya Moto: ROM: 7 [7 - **7** - **7**].
27 January 1973: Kenya: Thika, 16 km N: ROM: 2 [2 - **2** - **2**].
28 January 1973: Kenya: Thika, 16 km N: ROM: 8 [8 - **8** - **8**].
29 January 1973: Kenya: Thika, 16 km N: ROM: 5 [5 - **5** - **5**].
30 January 1973: Kenya: Thika, 16 km N: ROM: 1 [1 - **1** - **1**].
31 January 1973: Kenya: Thika, 16 km N: ROM: 4 [4 - **4** - **4**].
1 February 1973: Kenya: Thika, 16 km N: ROM: 11 [11 - **11** - **11**].
2 February 1973: Kenya: Thika, 16 km N: ROM: 1 [1 - **1** - **1**].
4 February 1973: Kenya: Isiolo: ROM: 1 [1 - **1** - **1**].
10 February 1973: Kenya: Mara River: ROM: 1 [1] - South West Kenya, Mara River: ROM: 1 [1 - **2** - **2**].
28 February 1973: Kenya: Machakos: ROM: 1 [1 - **1** - **1**].
3 March 1973: Kenya: Marigat, Perakera River: ROM: 1 [1 - **1** - **1**].

30 March 1973: Kenya: Machakos: ROM: 4 [4 - **4** - **4**].
31 March 1973: Kenya: Machakos: ROM: 1 [1 - **1** - **1**].
6 April 1973: Kenya: Machakos: ROM: 1 [1 - **1** - **1**].
9 April 1973: Kenya: Kampi Ya Samaki: ROM: 17 [17 - **17** - **17**].
10 April 1973: Kenya: Kampi Ya Samaki: ROM: 3 [3] - Karpeddo: ROM: 13 [13 - **16** - **16**].
11 April 1973: Kenya: Kampi ya Samaki: ROM: 11 [11 - **11** - **11**].
12 April 1973: Kenya: Kampi Ya Samaki: ROM: 9 [9 - **9** - **9**].
13 April 1973: Kenya: Kampi Ya Samaki: ROM: 2 [2 - **2** - **2**].
14 April 1973: Kenya: Njoro: ROM: 5 [5 - **5** - **5**].
16 April 1973: Kenya: Kampi Ya Samaki: ROM: 2 [2 - **2** - **2**].
17 April 1973: Kenya: Kampi ya Samaki: ROM: 1 [1] - Nairobi: ROM: 1 [1 - **2** - **2**].
18 April 1973: Kenya: Kampi Ya Samaki: ROM: 1 [1 - **1** - **1**].
19 April 1973: Kenya: Nairobi: ROM: 5 [5 - **5** - **5**].
20 April 1973: Kenya: Nairobi: ROM: 4 [4 - **4** - **4**].
22 April 1973: Kenya: Kampi Ya Samaki: ROM: 1 [1 - **1** - **1**].
24 April 1973: Kenya: Kampi Ya Samaki: ROM: 1 [1 - **1** - **1**].
25 April 1973: Kenya: Athi river: ROM: 5 [5] - Kampi Ya Samaki: ROM: 2 [2 - **7** - **7**].
26 April 1973: Kenya: Kampi Ya Samaki: ROM: 2 [2 - **2** - **2**].
28 April 1973: Kenya: Nairobi: ROM: 3 [3 - **3** - **3**].
1 May 1973: Kenya: Kampi Ya Samaki: ROM: 2 [2 - **2** - **2**].
2 May 1973: Kenya: Kampi ya Samaki: ROM: 15 [15] - Lake Baringo: ROM: 1 [1 - **16** - **16**].
3 May 1973: Kenya: Kampi ya Samaki: ROM: 1 [1] - Marigat: ROM: 1 [1] - Marigat, Perakera River: ROM: 8 [8] - near Marigat, Perakera River: ROM: 1 [1 - **11** - **11**].
12 May 1973: Kenya: Maungu: ROM: 2 [2 - **2** - **2**].
13 May 1973: Kenya: Wangala: ROM: 33 [33 - **33** - **33**].
15 July 1973: Kenya: Kailpos Hill: ROM: 1 [1 - **1** - **1**].
20 August 1973: Kenya: Shimoni: ROM: 1 [1 - **1** - **1**].
27 August 1973: Kenya: Shimoni: ROM: 1 [1 - **1** - **1**].
29 August 1973: Kenya: Shimoni: ROM: 2 [2 - **2** - **2**].
30 August 1973: Kenya: Shimoni cave: ROM: 1 [1 - **1** - **1**].
15 January 1974: Kenya: Nguruman Escarpment: ROM: 1 [1 - **1** - **1**].
29 September 1975: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].
30 September 1975: Kenya: Nairobi: ROM: 1 [1 - **1** - **1**].
6 October 1975: Kenya: Karen: ROM: 5 [5 - **5** - **5**].
10 October 1975: Kenya: Ruiru: ROM: 7 [7 - **7** - **7**].
12 October 1975: Kenya: Hunter's Lodge, near: ROM: 3 [3] - Makindu: ROM: 1 [1 - **4** - **4**].
13 October 1975: Kenya: Tiwi: ROM: 4 [4 - **4** - **4**].
14 October 1975: Kenya: Tiwi: ROM: 15 [15 - **15** - **15**].
15 October 1975: Kenya: Gazi: ROM: 2 [2] - Similani cave: ROM: 41 [41 - **43** - **43**].
16 October 1975: Kenya: Tiwi: ROM: 9 [9 - **9** - **9**].
22 October 1975: Kenya: Naro Moru: ROM: 1 [1 - **1** - **1**].
18 November 1975: Kenya: Kakamega Forest: AMNH: 1, ROM: 5 [6 - **6** - **6**].
19 November 1975: Kenya: Kakamega Forest: AMNH: 1, ROM: 7 [8 - **8** - **8**].
20 November 1975: Kenya: Kakamega Forest: AMNH: 1, ROM: 18 [19 - **19** - **19**].
21 November 1975: Kenya: Kakamega Forest: ROM: 2 [2 - **2** - **2**].
22 November 1975: Kenya: Kakamega Forest: ROM: 6 [6 - **6** - **6**].
23 November 1975: Kenya: Kakamega Forest: AMNH: 1, ROM: 2 [3 - **3** - **3**].
24 November 1975: Kenya: Kongelai: ROM: 1 [1] - NE Cherangani Hills, Kipsain river: ROM: 18 [18 - **19** - **19**].
26 November 1975: Kenya: Kongelai: ROM: 11 [11 - **11** - **11**].
27 November 1975: Kenya: Kongelai: ROM: 2 [2 - **2** - **2**].
28 November 1975: Kenya: Kongelai: ROM: 2 [2 - **2** - **2**].
8 January 1976: Kenya: Kongelai: ROM: 1 [1 - **1** - **1**].
9 January 1976: Kenya: Kongelai: ROM: 3 [3 - **3** - **3**].
13 April 1976: Kenya: Kilanguni: ROM: 1 [1 - **1** - **1**].
17 April 1976: Kenya: Shimba Hills: ROM: 2 [2 - **2** - **2**].
14 May 1984: The Gambia: Walli Kunda, near: HZM: 2 [2 - **2** - **2**].

Total Specimens for Williams, John George: 1760

Williams, John George; *et al.*

5 June 1968: Uganda: Bunyoro: ROM: 1 [1 - **1** - **1**].
19 June 1968: Uganda: Sonsor river: ROM: 2 [2 - **2** - **2**].
22 June 1968: Uganda: Bunyoro: ROM: 1 [1 - **1** - **1**].
23 June 1968: Uganda: Bunyoro: ROM: 5 [5 - **5** - **5**].
24 June 1968: Uganda: Bunyoro: ROM: 5 [5 - **5** - **5**].
25 June 1968: Uganda: Masindi, near: ROM: 1 [1 - **1** - **1**].

Total Specimens for Williams, John George; *et al.*: 15

Williams, John George; Glen, Robert M.

9 January 1966: Uganda: Budongo Forest: ROM: 1 [1] - Masindi, near: ROM: 1 [1 - **2** - **2**].
16 January 1966: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].
27 January 1966: Kenya: Kiuu: ROM: 1 [1 - **1** - **1**].

1 October 1975: Kenya: Ithundu cave: ROM: 2 [2 - **2** - **2**].

Total Specimens for Williams, John George; Glen, Robert M.: 6

Williams, John George; Jones, J.

Collection Date Unknown: Kenya: Cherangani Mountain: ROM: 1 [1 - **1** - **1**].
17 January 1966: Kenya: Cherangani Mountain: ROM: 1 [1 - **1** - **1**].
1 February 1966: Kenya: Sigor: ROM: 17 [17] - Wei Wei River: ROM: 4 [4 - **21** - **21**].

Total Specimens for Williams, John George; Jones, J.: 23

Williams, John George; Kyongo, Robert N.

7 August 1969: Kenya: Lake Elementeita: ROM: 10 [10 - **10** - **10**].

Total Specimens for Williams, John George; Kyongo, Robert N.: 10

Williams, John George; Mumford, Russell E.

20 April 1964: Kenya: Archer's Post: ROM: 1 [1 - **1** - **1**].

Total Specimens for Williams, John George; Mumford, Russell E.: 1

Williams, John George; Shortt, Terence Michael

2 June 1968: Uganda: Bunyoro: ROM: 3 [3 - **3** - **3**].
4 June 1968: Uganda: Bunyoro: ROM: 7 [7 - **7** - **7**].
5 June 1968: Uganda: Bunyoro: ROM: 9 [9 - **9** - **9**].
6 June 1968: Uganda: Bunyoro: ROM: 3 [3 - **3** - **3**].
7 June 1968: Uganda: Budongo Forest: ROM: 10 [10] - Bunyoro: ROM: 1 [1 - **11** - **11**].
8 June 1968: Uganda: Budongo Forest: ROM: 1 [1] - Bunyoro: ROM: 1 [1 - **2** - **2**].
9 June 1968: Uganda: Budongo Forest: ROM: 4 [4 - **4** - **4**].
10 June 1968: Uganda: Budongo Forest: ROM: 16 [16] - Bunyoro: ROM: 3 [3 - **19** - **19**].
11 June 1968: Uganda: Budongo Forest: ROM: 23 [23] - Bunyoro: ROM: 3 [3 - **26** - **26**].
13 June 1968: Uganda: Budongo Forest: ROM: 1 [1] - Butiaba: ROM: 18 [18 - **19** - **19**].
14 June 1968: Uganda: Budongo Forest: ROM: 1 [1] - Bunyoro: ROM: 1 [1 - **2** - **2**].
15 June 1968: Uganda: Waisoke river: ROM: 8 [8 - **8** - **8**].
16 June 1968: Uganda: Bunyoro: ROM: 16 [16 - **16** - **16**].
17 June 1968: Uganda: Bunyoro: ROM: 1 [1 - **1** - **1**].
18 June 1968: Uganda: Sonsor river: ROM: 1 [1 - **1** - **1**].
19 June 1968: Uganda: Budongo Forest: ROM: 3 [3] - Sonsor river: ROM: 7 [7 - **10** - **10**].
20 June 1968: Uganda: Budongo Forest: ROM: 1 [1] - Bunyoro: ROM: 1 [1 - **2** - **2**].
21 June 1968: Uganda: Budongo Forest: ROM: 2 [2] - Bunyoro: ROM: 1 [1 - **3** - **3**].
22 June 1968: Uganda: Budongo Forest: ROM: 16 [16] - Bunyoro: ROM: 10 [10 - **26** - **26**].
23 June 1968: Uganda: Budongo Forest: ROM: 5 [5] - Bunyoro: ROM: 4 [4] - Masindi: ROM: 2 [2 - **11** - **11**].
24 June 1968: Uganda: Budongo Forest: ROM: 6 [6] - Bunyoro: ROM: 2 [2] - Masindi: ROM: 1 [1 - **9** - **9**].
25 June 1968: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].
19 September 1968: Uganda: Sonsor river: ROM: 1 [1 - **1** - **1**].

Total Specimens for Williams, John George; Shortt, Terence Michael: 194

Williams, John George; Sillu, David M.

12 January 1966: Kenya: Kiuu: ROM: 3 [3 - **3** - **3**].
27 January 1966: Kenya: Kiuu: ROM: 1 [1 - **1** - **1**].

Total Specimens for Williams, John George; Sillu, David M.: 4

Williams, L.

23 September 1961: Kenya: Nairobi: SMF: 2 [2 - **2** - **2**].

Total Specimens for Williams, L.: 2

Williams, R.; Glen, Robert M.

Collection Date Unknown: Uganda: Ntandi: LACM: 1 [1 - **1** - **1**].

Total Specimens for Williams, R.; Glen, Robert M.: 1

Williams, S.H.

Collection Date Unknown: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].
23 June 1968: Uganda: Budongo Forest: ROM: 1 [1 - **1** - **1**].

14 July 1978: Cameroon: Ngaoundéré: CM: 1 [1 - **1** - **1**].

Total Specimens for Williams, S.H.: 3

Williams, Stephen L.
(1948: Midland -)

7 July 1978: Cameroon: Yaoundé, 7 km S, 8 km W: CM: 1 [1 - **1** - **1**].
3 August 1978: Cameroon: Ambam, 10 km S, 5 km E: CM: 1 [1 - **1** - **1**].
6 August 1978: Cameroon: Yaoundé, 16 km S, 2 km E: CM: 1 [1 - **1** - **1**].
8 August 1978: Cameroon: Yaoundé, 16 km S, 2 km E: CM: 2 [2 - **2** - **2**].

Total Specimens for Williams, Stephen L.: 5

Wills, J.

Collection Date Unknown: Madagascar: Imerina, forest, E of: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Wills, J.: 1

Wilms, Friedrich
(1838 - 1919)

Collection Date Unknown: South Africa: Lydenburg: ZMB: 7 [7 - **7** - **7**].

Total Specimens for Wilms, Friedrich: 7

Wilson, Don Ellis
(1942 -)

24 October 1975: Cameroon: Kumba: USNM: 4 [4 - **4** - **4**].
25 October 1975: Cameroon: Kumba: USNM: 4 [4] - Lake Barombi: USNM: 1 [1 - **5** - **5**].
26 October 1975: Cameroon: Kumba: USNM: 5 [5 - **5** - **5**].
27 October 1975: Cameroon: Kumba, 19 km S: USNM: 6 [6 - **6** - **6**].
10 November 1975: Cameroon: Tisongo, Lake: USNM: 1 [1 - **1** - **1**].
12 November 1975: Cameroon: Kumba: USNM: 1 [1] - Tisongo, Lake: USNM: 9 [9 - **10** - **10**].
13 November 1975: Cameroon: Tisongo, Lake: USNM: 5 [5 - **5** - **5**].
14 November 1975: Cameroon: Tisongo, Lake: USNM: 3 [3 - **3** - **3**].
15 November 1975: Cameroon: Tisongo, Lake: USNM: 4 [4 - **4** - **4**].

Total Specimens for Wilson, Don Ellis: 43

Wilson, H.

Collection Date Unknown: Congo (Democratic Republic of the): Inkongo: BMNH: 1 [1 - **1** - **1**].
5 June 1907: South Africa: Langlaagte: TM: 1 [1 - **1** - **1**].
27 January 1923: Congo (Democratic Republic of the): Inkongo: RMCA: 2 [2 - **2** - **2**].
2 February 1923: Congo (Democratic Republic of the): Inkongo: RMCA: 1 [1 - **1** - **1**].
10 November 1932: Congo (Democratic Republic of the): Inkongo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Wilson, H.: 6

Wilson, J.

Collection Date Unknown: Zambia: Chipengali area: BMNH: 2 [2 - **2** - **2**].
21 September 1975: Seychelles: Aldabra Research Station: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Wilson, J.: 3

Wilson, J.R.; Hutson, Anthony Michael

9 December 1991: Rwanda: Kibumbu crater, caves 2 and 3: BMNH: 13 [13 - **13** - **13**].

Total Specimens for Wilson, J.R.; Hutson, Anthony Michael: 13

Wilson, R.

26 May 1980: Seychelles: Anse au Pins: RMNH: 1 [1 - **1** - **1**].

Total Specimens for Wilson, R.: 1

Wilson, Vivian J.

Collection Date Unknown: Zambia: Chipengali area: NHMZ: 1 [1] - Luangwa Valley: NHMZ: 1 [1] - Masali Mine: BMNH: 13 [13] - Sasare old mine: NHMZ: 1 [1 - **16** - **16**].
15 May 1962: Zambia: Chilanga: AMNH: 1 [1 - **1** - **1**].
13 June 1962: Zambia: Luangwa Valley: ROM: 10 [10 - **10** - **10**].
15 January 1963: Zambia: Chilanga: AMNH: 1 [1 - **1** - **1**].
18 January 1963: Zambia: Fort Jameson: AMNH: 1 [1 - **1** - **1**].
28 March 1963: Zambia: Chipengali: NHMZ: 1 [1 - **1** - **1**].
17 May 1963: Zambia: Lusaka: AMNH: 2 [2 - **2** - **2**].
29 May 1963: Zambia: Sasare Old Mine: ROM: 10 [10 - **10** - **10**].
10 August 1963: Zambia: Chipongwe [see also: Chipongwe West]: AMNH: 1 [1 - **1** - **1**].
18 November 1963: Zambia: Fort Jameson: AMNH: 1 [1 - **1** - **1**].
6 February 1964: Zambia: Chipengali Area: AMNH: 2 [2 - **2** - **2**].
17 February 1964: Zambia: Lutembue river E.: AMNH: 1 [1 - **1** - **1**].
4 March 1964: Zambia: Mpomwa Hills, below: BMNH: 1 [1 - **1** - **1**].
15 March 1964: Zambia: Choma district: AMNH: 1 [1 - **1** - **1**].
28 December 1964: Zimbabwe: Baruka caveS: AMNH: 1 [1 - **1** - **1**].
29 December 1964: Zimbabwe: Baruka caveS: AMNH: 5 [5 - **5** - **5**].
19 September 1967: Botswana: Maun: AMNH: 1 [1 - **1** - **1**].
21 September 1967: Botswana: Maun: AMNH: 1 [1 - **1** - **1**].
28 March 1968: Botswana: Maun: AMNH: 2 [2 - **2** - **2**].
29 March 1968: Botswana: Maun: AMNH: 2 [2 - **2** - **2**].
16 May 1968: Botswana: Maun: AMNH: 7 [7 - **7** - **7**].
17 May 1968: Botswana: Maun: AMNH: 1 [1 - **1** - **1**].
20 May 1968: Botswana: Maun: AMNH: 2 [2 - **2** - **2**].
5 April 1971: Zimbabwe: Wankie-NP, Maduni Dumela: NHMZ: 1 [1 - **1** - **1**].
27 May 1972: Zimbabwe: Wankie-NP, Makalowa: NHMZ: 1 [1] - Wankie-NP, Ngamo Pans: NHMZ: 1 [1] - Wankie-NP, Ngweshla: NHMZ: 1 [1 - **3** - **3**].
28 May 1972: Zimbabwe: Wankie-NP, Makalowa: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Wilson, Vivian J.: 76

Wilson, W.J.

19 November 1970: Malawi: Misuku-Mughese Mission: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Wilson, W.J.: 1

Wing

6 October 1964: South Africa: Spring Grove: NM: 1 [1 - **1** - **1**].

Total Specimens for Wing: 1

Wingate, Lloyd R.

24 May 1970: South Africa: Pietermaritzburg University Campus: TM: 1 [1 - **1** - **1**].
4 May 1972: Mozambique: Macovane: AMNH: 10 [10 - **10** - **10**].
17 May 1972: South Africa: Town Bush Valley, Town Bush Cave: TM: 3 [3 - **3** - **3**].
18 May 1972: South Africa: Ashburton, farm: TM: 1 [1 - **1** - **1**].
24 May 1972: South Africa: Pietermaritzburg University Campus: AMNH: 1, TM: 2 [3 - **3** - **3**].
6 February 1973: South Africa: Town Bush Valley, Town Bush Cave: AMNH: 7 [7 - **7** - **7**].
24 February 1973: South Africa: Town Bush Valley, Town Bush Cave: AMNH: 1, TM: 4 [5 - **5** - **5**].
6 November 1973: South Africa: Town Bush Valley, Town Bush Cave: TM: 5 [5 - **5** - **5**].
24 November 1973: South Africa: Town Bush Valley, Town Bush Cave: TM: 6 [6 - **6** - **6**].
4 October 1978: South Africa: Nahoon Point, 5 km S, 7.5 km W: MSB: 1 [1 - **1** - **1**].
9 January 1979: South Africa: King Williamstown: KM: 1 [1 - **1** - **1**].
15 January 1979: South Africa: King Williamstown: KM: 1 [1 - **1** - **1**].
16 July 1979: South Africa: King Williamstown: KM: 1 [1 - **1** - **1**].
1 March 1980: South Africa: Rhodes: MSB: 1 [1 - **1** - **1**].
10 November 1988: South Africa: Sandile's Cave: TM: 4 [4 - **4** - **4**].

Total Specimens for Wingate, Lloyd R.: 50

Wingate, Lloyd R.; Shei, C.

9 January 1979: South Africa: King William's Town: TTU: 1 [1 - **1** - **1**].

Total Specimens for Wingate, Lloyd R.; Shei, C.: 1

Wingate, Lloyd R.; Wright, Peter J.

17 May 1981: Zimbabwe: Umtali mine adit: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Wingate, Lloyd R.; Wright, Peter J.: 1

Wirminghaus, J. Olaf

10 August 1986: South Africa: Grahamstown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Wirminghaus, J. Olaf: 1

Wirminghaus, J.O.

20 March 1988: South Africa: Otto's Bluff Farm: TM: 1 [1 - **1** - **1**].

Total Specimens for Wirminghaus, J.O.: 1

Withenshaw, G.

Collection Date Unknown: Zambia: Ndola: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Withenshaw, G.: 1

Witter, Dean

1 January 1951: Uganda: Nimule, near: CAS: 1 [1 - **1** - **1**].

Total Specimens for Witter, Dean: 1

Wolbach, Simeon Burt
(1880: Grand Island - 1954)

25 March 1905: The Gambia: Unknown locality: MCZ: 1 [1 - **1** - **1**].
10 April 1911: The Gambia: Maka: MCZ: 1 [1 - **1** - **1**].

Total Specimens for Wolbach, Simeon Burt: 2

Wolff, U.; *et al.*

1 December 1966: South Africa: Hatfield, Hatfield Primary School: TM: 1 [1 - **1** - **1**].

Total Specimens for Wolff, U.; *et al.*: 1

Wolff, V.; *et al.*

18 December 1960: South Africa: Hatfield, Hatfield Primary School: TM: 1 [1 - **1** - **1**].

Total Specimens for Wolff, V.; *et al.*: 1

Wolhuter, David A.

Collection Date Unknown: South Africa: Umdoni Park: TM: 3 [3 - **3** - **3**].
5 February 1978: South Africa: Dumisa Gold Mine: TM: 1 [1 - **1** - **1**].
13 July 1978: South Africa: Kok's farm: TM: 1 [1 - **1** - **1**].
1 August 1978: South Africa: Town Bush Valley, Town Bush Cave: TM: 1 [1 - **1** - **1**].
9 January 1979: South Africa: Farm Goedhoek [=Goudhoek]: TM: 2 [2 - **2** - **2**].
29 January 1979: South Africa: Dumisa Gold Mine: TM: 2 [2 - **2** - **2**].
9 February 1979: South Africa: Farm Goedhoek [=Goudhoek]: TM: 4 [4 - **4** - **4**].
28 February 1979: South Africa: Town Bush Valley, Town Bush Cave: TM: 1 [1 - **1** - **1**].
14 April 1979: South Africa: Ngubevu mine: TM: 4 [4 - **4** - **4**].
3 May 1979: South Africa: Town Bush Valley, Town Bush Cave: TM: 2 [2 - **2** - **2**].
30 May 1979: South Africa: Dumisa Gold Mine: TM: 1 [1 - **1** - **1**].
6 June 1979: South Africa: Umdoni Park: TM: 2 [2 - **2** - **2**].
10 January 1980: South Africa: Otto's Bluff Farm: AMNH: 3 [3 - **3** - **3**].
11 May 1982: South Africa: on Molopo Rd, Farm Ohkotso [=Voigt's]: TM: 1 [1 - **1** - **1**].
14 September 1983: South Africa: Dumisa Gold Mine: TM: 1 [1 - **1** - **1**].
27 May 1984: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].
31 October 1984: South Africa: Figtree camp: CM: 1 [1 - **1** - **1**].
3 June 1985: South Africa: Culling camp: TM: 1 [1 - **1** - **1**].
24 August 1985: South Africa: Figtree camp: TM: 1 [1 - **1** - **1**].
29 August 1985: South Africa: Manxeba windmill: TM: 2 [2 - **2** - **2**].

Total Specimens for Wolhuter, David A.: 35

Wolhuter, David A.; *et al.*

Collection Date Unknown: South Africa: Fig Tree Camp: TM: 1 [1] - Old Picnic Site: TM: 1 [1 - **2** - **2**].
29 January 1983: South Africa: Leuvuhu River: TM: 1 [1 - **1** - **1**].
29 September 1983: South Africa: Leuvuhu River: TM: 2 [2] - Old Picnic Site: TM: 1 [1 - **3** - **3**].
30 September 1983: South Africa: Leuvuhu River: TM: 12 [12 - **12** - **12**].
30 November 1983: South Africa: Leuvuhu River: TM: 1 [1 - **1** - **1**].
28 December 1983: South Africa: Culling camp: TM: 10 [10 - **10** - **10**].
29 December 1983: South Africa: Figtree camp: TM: 10 [10 - **10** - **10**].
27 May 1984: South Africa: Old Picnic Site: TM: 6 [6 - **6** - **6**].
28 May 1984: South Africa: Old Picnic Site: TM: 5 [5 - **5** - **5**].
29 May 1984: South Africa: Old Picnic Site: TM: 3 [3 - **3** - **3**].
28 October 1984: South Africa: Manxeba windmill: TM: 1 [1 - **1** - **1**].
27 November 1984: South Africa: Culling camp: TM: 1 [1 - **1** - **1**].
28 November 1984: South Africa: Manxeba windmill: TM: 8 [8 - **8** - **8**].
4 June 1985: South Africa: Maditobe Witsand Dam: TM: 1 [1 - **1** - **1**].
24 August 1985: South Africa: Figtree camp: TM: 3 [3 - **3** - **3**].
25 August 1985: South Africa: Old Picnic Site: TM: 1 [1 - **1** - **1**].
29 August 1985: South Africa: Manxeba windmill: TM: 4 [4 - **4** - **4**].
30 August 1985: South Africa: Figtree camp: TM: 1 [1 - **1** - **1**].

Total Specimens for Wolhuter, David A.; *et al.*: 73

Wolhuter, David A.; Cassidy, R.J.

19 August 1982: South Africa: Unknown locality: TM: 2 [2] - Cederberg, Algeria State Forest, campsite: TM: 1 [1 - **3** - **3**].
22 August 1982: South Africa: Cederberg, Algeria State Forest, campsite: TM: 1 [1 - **1** - **1**].
23 August 1982: South Africa: Cederberg, Algeria State Forest, campsite: TM: 2 [2 - **2** - **2**].
24 August 1982: South Africa: Cederberg, Algeria State Forest, campsite: TM: 4 [4 - **4** - **4**].
25 August 1982: South Africa: Cederberg, Algeria State Forest, campsite: TM: 2 [2 - **2** - **2**].
26 August 1982: South Africa: Cederberg, Algeria State Forest, campsite: TM: 3 [3 - **3** - **3**].
27 August 1982: "Africa": Unknown locality: NHMZ: 1 [1 - **1**].
Mozambique: Muchena: TM: 1 [1 - **1**].
South Africa: Cederberg, Algeria State Forest, campsite: TM: 9 [9 - **9** - **11**].
28 August 1982: South Africa: Cederberg, Algeria State Forest, campsite: TM: 3 [3 - **3** - **3**].
7 September 1983: South Africa: Nqubevu mine: TM: 59 [59 - **59** - **59**].
9 September 1983: South Africa: Northern Sewage Works: TM: 1 [1 - **1** - **1**].
10 September 1983: South Africa: Doornhoek mine: TM: 7 [7 - **7** - **7**].
11 September 1983: South Africa: Hilton Railway tunnel: TM: 15 [15] - Town Bush Valley, Town Bush Cave: TM: 17 [17 - **32** - **32**].
14 September 1983: South Africa: Dumisa Gold Mine: TM: 20 [20 - **20** - **20**].
24 September 1983: South Africa: Farm Goedhoek [=Goudhoek]: TM: 11 [11 - **11** - **11**].
25 September 1983: South Africa: Farm Goedhoek [=Goudhoek]: TM: 5 [5 - **5** - **5**].
1 October 1983: South Africa: Levuvhu Hippopool: TM: 1 [1 - **1** - **1**].
2 October 1983: South Africa: Old Picnic Site: KNP: 2, TM: 1 [3 - **3** - **3**].
18 February 1993: South Africa: Queen Elizabeth Park: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Wolhuter, David A.; Cassidy, R.J.: 169

Wolhuter, David A.; Cassidy, R.J.; TS; LB

30 September 1983: South Africa: Leuvuhu River: TM: 3 [3 - **3** - **3**].

Total Specimens for Wolhuter, David A.; Cassidy, R.J.; TS; LB: 3

Wolhuter, David A.; Coetzer, D.J.

23 June 1984: South Africa: Figtree forest: TM: 3 [3 - **3** - **3**].
24 June 1984: South Africa: Figtree forest: TM: 3 [3 - **3** - **3**].
25 June 1984: South Africa: Anthrax camp: TM: 3 [3 - **3** - **3**].
26 June 1984: South Africa: Manxeba windmill: TM: 3 [3 - **3** - **3**].

Total Specimens for Wolhuter, David A.; Coetzer, D.J.: 12

Wolhuter, David A.; van der Merwe, N.J.

Collection Date Unknown: South Africa: Figtree forest: TM: 1 [1 - **1** - **1**].
29 October 1984: South Africa: Figtree camp: TM: 5 [5 - **5** - **5**].
30 October 1984: South Africa: Fig forest, Left-hand bank: TM: 1 [1] - Figtree forest: TM: 4 [4] - Figtree forest, 4.8 km downstream: TM: 1 [1 - **6** - **6**].
31 October 1984: South Africa: Figtree forest: TM: 5 [5 - **5** - **5**].

Total Specimens for Wolhuter, David A.; van der Merwe, N.J.: 17

Wollwitsch

Collection Date Unknown: Angola: Unknown locality: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Wollwitsch: 2

Wolton, R.J.; Oxford University Expedition to Mount Nimba, the

Collection Date Unknown: Liberia: Old Mine Road: BMNH: 10 [10] - Teayee: BMNH: 1 [1 - **11** - **11**].
8 July 1978: Liberia: Sanniquellie, 5 mi S: BMNH: 1 [1 - **1** - **1**].
11 July 1978: Liberia: Grassfield: BMNH: 1 [1 - **1** - **1**].
26 July 1978: Liberia: Grassfield: BMNH: 1 [1 - **1** - **1**].
27 July 1978: Liberia: South Nimba: BMNH: 1 [1 - **1** - **1**].
2 August 1978: Liberia: Tokaden, mount: BMNH: 1 [1 - **1** - **1**].
16 August 1978: Liberia: South Nimba: BMNH: 1 [1 - **1** - **1**].
26 August 1978: Liberia: North Beeton: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: 18

Wonder, Frank C.

Collection Date Unknown: Senegal: Kedougou: USNM: 1 [1 - **1** - **1**].
19 February 1934: Senegal: Fatick: FMNH: 27 [27 - **27** - **27**].
21 March 1934: Mali: Sotuba: FMNH: 3 [3 - **3** - **3**].
24 March 1934: Mali: Bamako: FMNH: 1 [1] - Sotuba: FMNH: 1 [1 - **2** - **2**].
25 March 1934: Mali: Sotuba: FMNH: 2 [2 - **2** - **2**].
27 March 1934: Mali: Sotuba: FMNH: 7 [7 - **7** - **7**].
28 March 1934: Mali: Sotuba: FMNH: 15 [15 - **15** - **15**].
30 March 1934: Mali: Sotuba: FMNH: 1 [1 - **1** - **1**].
5 April 1934: Mali: Sotuba: FMNH: 3 [3 - **3** - **3**].
6 April 1934: Mali: Moribabougou: FMNH: 1 [1] - Sotuba: FMNH: 22 [22 - **23** - **23**].
7 April 1934: Mali: Bamako, 7 km E: MCZ: 1 [1] - Sotuba: FMNH: 8 [8 - **9** - **9**].
8 April 1934: Mali: Sotuba: FMNH: 4 [4 - **4** - **4**].
11 April 1934: Mali: Sotuba: FMNH: 11 [11 - **11** - **11**].
12 April 1934: Mali: Sotuba: FMNH: 16 [16 - **16** - **16**].
13 April 1934: Mali: Sotuba: FMNH: 4 [4 - **4** - **4**].
19 April 1934: Senegal: Fatick: FMNH: 2 [2 - **2** - **2**].
18 May 1934: Senegal: Kedougou: FMNH: 6 [6] - Tambacounda: FMNH: 1 [1 - **7** - **7**].
19 May 1934: Senegal: Kedougou: FMNH: 3, USNM: 1 [4 - **4** - **4**].
20 May 1934: Senegal: Kedougou: FMNH: 34, MCZ: 2, USNM: 2 [38 - **38** - **38**].

Total Specimens for Wonder, Frank C.: 179

Wood Jones, Frederic
(23 January 1879; Hackney - 29 September 1954; London)

1 April 1908: Egypt: Dihmit: SAMA: 26 [26 - **26** - **26**].

Total Specimens for Wood Jones, Frederic: 26

Wood, J.E.

1 November 2003: South Africa: Greytown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for Wood, J.E.: 1

Wood, Rodney C.

Collection Date Unknown: Malawi: Chiromo: BMNH: 11, KU: 17 [28] - Cholo: BMNH: 1, KU: 1 [2] - Thyolo: CM: 1 [1 - **31** - **31**].
1 November 1913: Zambia: Chilanga: BMNH: 1 [1 - **1** - **1**].
18 May 1916: Malawi: Chiromo, mount: BMNH: 1 [1 - **1** - **1**].
27 May 1916: Malawi: Chiromo: BMNH: 1 [1 - **1** - **1**].
1 June 1916: Malawi: Chiromo: BMNH: 2 [2 - **2** - **2**].
3 June 1916: Malawi: Chiromo: FMNH: 1 [1 - **1** - **1**].
4 June 1916: Malawi: Chiromo: FMNH: 1 [1 - **1** - **1**].
5 June 1916: Malawi: Chiromo: FMNH: 1 [1 - **1** - **1**].
7 June 1916: Malawi: Chiromo: BMNH: 1, FMNH: 1 [2 - **2** - **2**].
8 June 1916: Malawi: Chiromo: BMNH: 1, FMNH: 2 [3 - **3** - **3**].
17 June 1916: Malawi: Chiromo: BMNH: 1 [1 - **1** - **1**].
19 July 1916: Malawi: Chiromo: BMNH: 2 [2 - **2** - **2**].
23 July 1916: Malawi: Chiromo: BMNH: 1, KU: 1 [2 - **2** - **2**].
26 July 1916: Malawi: Chiromo: KU: 1 [1 - **1** - **1**].
1 August 1916: Malawi: Chiromo: KU: 1 [1 - **1** - **1**].
2 October 1916: Malawi: Chiromo: BMNH: 1 [1 - **1** - **1**].
18 December 1916: Malawi: Chiromo: BMNH: 1 [1 - **1** - **1**].

15 January 1917: Malawi: Chiromo: KU: 1 [1 - **1** - **1**].
16 January 1917: Malawi: Chiromo: KU: 1 [1 - **1** - **1**].
26 January 1917: Malawi: Chiromo: KU: 1 [1 - **1** - **1**].
6 February 1917: Malawi: Chiromo: KU: 1 [1 - **1** - **1**].
8 March 1917: Malawi: Chiromo: FMNH: 1 [1 - **1** - **1**].
23 March 1917: Malawi: Chiromo: BMNH: 2 [2 - **2** - **2**].
7 May 1918: Malawi: Chiromo: BMNH: 1 [1 - **1** - **1**].
26 August 1918: Malawi: Chiromo: KU: 1 [1 - **1** - **1**].
3 August 1919: Malawi: Chiromo: BMNH: 1 [1 - **1** - **1**].
28 January 1920: Malawi: Thyolo: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Wood, Rodney C.: 64

Woosnam, R.B.

Collection Date Unknown: Botswana: Ngami, lake: BMNH: 1 [1 - **1** - **1**].
19 April 1904: South Africa: Kuruman: BMNH: 1 [1 - **1** - **1**].
22 January 1906: Uganda: Ruwenzori East: USNM: 1 [1 - **1** - **1**].
11 May 1906: Uganda: Ruwenzori SE: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Woosnam, R.B.: 4

Workman

10 April 1967: South Africa: University of Pretoria, Zoology Building: ROM: 1 [1 - **1** - **1**].

Total Specimens for Workman: 1

Worth

Collection Date Unknown: Tanzania: Dar es Salaam: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Worth: 1

Wortzel, J.

12 June 1934: South Africa: Pretoria: TM: 1 [1 - **1** - **1**].

Total Specimens for Wortzel, J.: 1

Wright

4 October 1965: Seychelles: East Channel, E Shore: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Wright: 1

Wright, A.E.; Cambridge Africa Expedition 1959, The

14 September 1959: Congo (Democratic Republic of the): Matupi Cave: BMNH: 3 [3 - **3** - **3**].

Total Specimens for Wright, A.E.; Cambridge Africa Expedition 1959, The: 3

Wright, John W.

1 January 1970: Kenya: Sigor, 1 mi [= 1.6 km] SE: MVZ: 1 [1 - **1** - **1**].
7 March 1970: Kenya: Sigor, 1 mi [= 1.6 km] SE: MVZ: 3 [3 - **3** - **3**].
8 March 1970: Kenya: Sigor, 1 mi [= 1.6 km] SE: MVZ: 1 [1 - **1** - **1**].
7 May 1970: Kenya: Sigor, 1 mi [= 1.6 km] SE: MVZ: 1 [1 - **1** - **1**].

Total Specimens for Wright, John W.: 6

Wright, Peter J.

17 March 1972: Zimbabwe: Zimbabwe National Park: ROM: 1 [1 - **1** - **1**].
5 August 1972: Zimbabwe: Zimbabwe National Park: AMNH: 1 [1 - **1** - **1**].
26 October 1972: Zimbabwe: Zimbabwe National Park: AMNH: 1 [1 - **1** - **1**].
28 October 1972: Zimbabwe: Zimbabwe National Park: AMNH: 3 [3 - **3** - **3**].
30 October 1972: Zimbabwe: Zimbabwe National Park: AMNH: 1 [1 - **1** - **1**].
3 November 1972: Zimbabwe: Zimbabwe National Park: AMNH: 6 [6 - **6** - **6**].
4 November 1972: Zimbabwe: Zimbabwe National Park: AMNH: 1 [1 - **1** - **1**].
5 November 1972: Zimbabwe: Zimbabwe National Park: AMNH: 3 [3 - **3** - **3**].
7 November 1972: Zimbabwe: Zimbabwe National Park: AMNH: 4 [4 - **4** - **4**].
14 November 1972: Zimbabwe: Zimbabwe National Park: AMNH: 2 [2 - **2** - **2**].
14 December 1972: Zimbabwe: Zimbabwe National Park: AMNH: 1 [1 - **1** - **1**].
18 December 1972: Zimbabwe: Zimbabwe National Park: AMNH: 3 [3 - **3** - **3**].

17 January 1973: Zimbabwe: Zimbabwe National Park: ROM: 4 [4 - **4** - **4**].
18 January 1973: Zimbabwe: Le Rhone Lodge, Lake Kyle: ROM: 4 [4] - Zimbabwe National Park: ROM: 10 [10 - **14** - **14**].
13 March 1973: Zimbabwe: Zimbabwe National Park: ROM: 1 [1 - **1** - **1**].
18 March 1973: Zimbabwe: Malapati Game Reserve: ROM: 2 [2 - **2** - **2**].
23 March 1973: Zimbabwe: Zimbabwe National Park: ROM: 3 [3 - **3** - **3**].
27 March 1973: Zimbabwe: Zimbabwe National Park: ROM: 3 [3 - **3** - **3**].
29 March 1973: Zimbabwe: Zimbabwe National Park: ROM: 2 [2 - **2** - **2**].
2 April 1973: Zimbabwe: Netridge Farm: ROM: 3 [3] - Zimbabwe National Park: ROM: 1 [1 - **4** - **4**].
13 April 1973: Zimbabwe: Netridge Farm: ROM: 11 [11 - **11** - **11**].
17 May 1973: Zimbabwe: Zimbabwe National Park: ROM: 1 [1 - **1** - **1**].
12 June 1973: Zimbabwe: Zimbabwe National Park: ROM: 1 [1 - **1** - **1**].
15 June 1973: Zimbabwe: Zimbabwe National Park: ROM: 1 [1 - **1** - **1**].
18 September 1973: Zimbabwe: Le Rhone Lodge, Lake Kyle: ROM: 1 [1 - **1** - **1**].
12 October 1973: Zimbabwe: Zimbabwe National Park: ROM: 1 [1 - **1** - **1**].
28 February 1975: Namibia: Namibia Desert Research Station [= DERU]: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Wright, Peter J.: 77

Wright; Rautenbach, Ignatius Lourens [=Naas]

15 October 1981: Zimbabwe: Rusito forest, Rustio River: TM: 1 [1 - **1** - **1**].
16 October 1981: Zimbabwe: Rusito forest, Rustio River: TM: 1 [1 - **1** - **1**].
17 October 1981: Zimbabwe: Umtali mine adit: TM: 2 [2 - **2** - **2**].
26 October 1981: Zimbabwe: Chirisa cave: TM: 1 [1] - Sengwa Wildlife Research Area: NHMZ: 1 [1] - Sengwa Wildlife Research Station: TM: 1 [1 - **3** - **3**].
29 October 1981: Zimbabwe: Falls road: TM: 16 [16 - **16** - **16**].
1 November 1981: Zimbabwe: Rhodes Matopos -Nature Park [=Matobo National Park]: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Wright; Rautenbach, Ignatius Lourens [=Naas]: 24

Wulsin, Frederik Roelker
(8 July 1891 - 26 February 1961)

23 November 1914: Kenya: Tana River: MCZ: 2 [2 - **2** - **2**].
14 December 1914: Kenya: Kenia Forest: MCZ: 1 [1 - **1** - **1**].
5 January 1915: Kenya: Guaso Nyiro: MCZ: 1 [1] - Northern Guaso Nyiro: AMNH: 1 [1 - **2** - **2**].
2 March 1915: Kenya: Kazita River: MCZ: 1 [1 - **1** - **1**].
3 March 1915: Kenya: Kazita River: MCZ: 1 [1 - **1** - **1**].
8 March 1915: Kenya: Kazita River: MCZ: 1 [1 - **1** - **1**].
28 March 1915: Kenya: Northern Guaso Nyiro: MCZ: 2 [2 - **2** - **2**].
28 April 1915: Kenya: Kavirondo Bay: MCZ: 1 [1 - **1** - **1**].
30 April 1915: Kenya: Kavirondo Bay: MCZ: 1 [1 - **1** - **1**].
1 June 1915: Madagascar: Tamatave [=Toamasina]: MCZ: 2 [2 - **2** - **2**].
25 June 1915: Madagascar: Miandrivazo: MCZ: 1 [1 - **1** - **1**].
3 July 1915: Madagascar: Bemara Gorges: MCZ: 1 [1] - Siribihina River, Upper: MCZ: 1 [1 - **2** - **2**].
8 July 1915: Madagascar: Tsiribihina River: FMNH: 1 [1 - **1** - **1**].
9 July 1915: Madagascar: Berevo: MCZ: 1 [1 - **1** - **1**].
11 July 1915: Madagascar: Berevo: MCZ: 1 [1 - **1** - **1**].
1 December 1915: Madagascar: Antanarivo [= Tananarive]: MCZ: 2 [2 - **2** - **2**].

Total Specimens for Wulsin, Frederik Roelker: 22

Wynants, R.P.

Collection Date Unknown: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].
1 January 1931: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].
23 May 1939: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].
4 June 1939: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].
15 March 1940: Congo (Democratic Republic of the): Boende: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Wynants, R.P.: 5

Yalden, Derek; Morris, P.; Largen, M.J.

26 December 1970: Ethiopia: Filwoha Awash: BMNH: 1 [1 - **1** - **1**].
29 December 1970: Ethiopia: Metahara, 1 km W: BMNH: 1 [1 - **1** - **1**].
29 October 1971: Ethiopia: Omar limestone cave, S of: BMNH: 1 [1 - **1** - **1**].
1 January 1975: Ethiopia: Sidon: BMNH: 2 [2 - **2** - **2**].

Total Specimens for Yalden, Derek; Morris, P.; Largen, M.J.: 5

Yedmans

30 December 1963: Namibia: Windhoek: SMW: 1 [1 - **1** - **1**].

Total Specimens for Yedmans: 1

Young, E.

1 March 1966: South Africa: Letaba Camp: KNP: 2 [2 - **2** - **2**].

Total Specimens for Young, E.: 2

Yunker, C.E.; Hoogstraal, Harry H.

22 August 1956: Uganda: Kigumba: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Yunker, C.E.; Hoogstraal, Harry H.: 1

Zalira, Dayes

6 April 1961: Malawi: Manyowa Hill, Mitsidi: NMMB: 2 [2 - **2** - **2**].

Total Specimens for Zalira, Dayes: 2

Zaphiro, Ph.C.

Collection Date Unknown: Ethiopia: Addis Ababa and Lake Rudolf, between: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Zaphiro, Ph.C.: 1

Zech, Johann Nepomuk
(1868 - 1914)

Collection Date Unknown: Ghana: Kete Krachi: ZMB: 6 [6 - **6**].
Togo: no specific locality: ZMB: 12 [12 - **12** - **18**].
20 June 1899: Ghana: Kete Krachi: ZMB: 5 [5 - **5** - **5**].

Total Specimens for Zech, Johann Nepomuk: 23

Zedlitz

Collection Date Unknown: Algeria: Umasch [=Oumach]: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Zedlitz: 1

Zeller, Leydig

Collection Date Unknown: Guinea: Unknown locality: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Zeller, Leydig: 1

Zenker, Georg August
(1855 - 1922)

Collection Date Unknown: Cameroon: Unknown locality: ZMB: 4 [4] - Bipindi: ZMB: 1 [1] - Bipindi, Kribi, Bez: ZMB: 47 [47] - Yaounde: ZMB: 5 [5 - **57** - **57**].

Total Specimens for Zenker, Georg August: 57

Zentai, Z.

18 September 2004: Madagascar: Ankarana-NP, Bat Cave: HNHM: 1 [1 - **1** - **1**].

Total Specimens for Zentai, Z.: 1

Zerny, Hans
(11 June 1887: Vienna - 14 September 1945: Vienna)

1 January 1935: Tanzania: Ugano: NMW: 1 [1 - **1** - **1**].
1 January 1936: Tanzania: Ugano plantation: NMW: 1 [1 - **1** - **1**].

Total Specimens for Zerny, Hans: 2

Zimmer, John Todd
(1889 - 1957)

22 May 1926: Tanzania: Dar es Salaam: FMNH: 1 [1 - **1** - **1**].
14 August 1926: Tanzania: Dar es Salaam: FMNH: 4 [4 - **4** - **4**].
18 October 1926: Tanzania: Ulanga: FMNH: 1 [1 - **1** - **1**].
23 October 1926: Tanzania: Kilosa: FMNH: 1 [1 - **1** - **1**].
31 October 1926: Tanzania: Kilosa: FMNH: 1 [1 - **1** - **1**].
17 November 1926: Congo (Democratic Republic of the): Kabalo: FMNH: 1 [1 - **1** - **1**].
27 November 1926: Congo (Democratic Republic of the): Katobwe: FMNH: 1 [1 - **1** - **1**].
28 November 1926: Congo (Democratic Republic of the): Katobwe: FMNH: 2 [2 - **2** - **2**].
30 November 1926: Congo (Democratic Republic of the): Katobwe: FMNH: 1 [1 - **1** - **1**].
1 December 1926: Congo (Democratic Republic of the): Katobwe: FMNH: 3 [3 - **3** - **3**].
4 December 1926: Congo (Democratic Republic of the): Katobwe: FMNH: 2 [2 - **2** - **2**].
5 December 1926: Congo (Democratic Republic of the): Katobwe: FMNH: 1 [1 - **1** - **1**].
7 December 1926: Congo (Democratic Republic of the): Katobwe: FMNH: 3 [3 - **3** - **3**].
9 December 1926: Congo (Democratic Republic of the): Katobwe: FMNH: 1 [1 - **1** - **1**].
13 December 1926: Congo (Democratic Republic of the): Kabengere: FMNH: 1 [1 - **1** - **1**].
22 December 1926: Congo (Democratic Republic of the): Kabengere: FMNH: 12 [12 - **12** - **12**].
24 December 1926: Congo (Democratic Republic of the): Kabengere: FMNH: 9 [9 - **9** - **9**].
27 December 1926: Congo (Democratic Republic of the): Kabengere: FMNH: 3 [3] - Katapena: FMNH: 1 [1 - **4** - **4**].
28 December 1926: Congo (Democratic Republic of the): Kabengere: FMNH: 3 [3 - **3** - **3**].
22 March 1927: Uganda: Masindi: FMNH: 1 [1 - **1** - **1**].
28 March 1927: Uganda: Rhino Camp: FMNH: 3 [3 - **3** - **3**].
31 March 1927: Uganda: Rhino Camp: FMNH: 1 [1 - **1** - **1**].
24 June 1938: Tanzania: Ugano plantation: NMW: 1 [1 - **1** - **1**].

Total Specimens for Zimmer, John Todd: 58

Zimmerman, Dale Allen
(1928 -)

21 July 1963: Kenya: Kakamega Forest: ROM: 1 [1 - **1** - **1**].

Total Specimens for Zimmerman, Dale Allen: 1

Zink, G.

Collection Date Unknown: Tanzania: Makoa: SMNS: 10 [10 - **10** - **10**].
27 May 1952: Tanzania: Usangi: SMNS: 2 [2 - **2** - **2**].
28 May 1952: Tanzania: Usangi: SMNS: 1 [1 - **1** - **1**].
30 May 1952: Tanzania: Usangi: SMNS: 1 [1 - **1** - **1**].
14 July 1952: Tanzania: Misingi: SMNS: 1 [1 - **1** - **1**].
9 September 1952: Tanzania: Nashallo: SMNS: 2 [2 - **2** - **2**].

Total Specimens for Zink, G.: 17

Zoological Garden Antwerp

Collection Date Unknown: "Africa": Unknown locality: RMCA: 1 [1 - **1** - **1**].
2 October 1991: "Africa": Unknown locality: RMCA: 1 [1 - **1** - **1**].
6 February 1992: "Africa": Unknown locality: RMCA: 1 [1 - **1** - **1**].
12 October 1992: "Africa": Unknown locality: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Zoological Garden Antwerp: 4

Zoological Survey, The

30 September 1937: South Africa: Onderstepoort: TM: 1 [1 - **1** - **1**].
28 September 1939: South Africa: Onderstepoort: TM: 1 [1 - **1** - **1**].

Total Specimens for Zoological Survey, The: 2

Zug, George R.

23 June 1990: Seychelles: Valle Riche: USNM: 1 [1 - **1** - **1**].

Total Specimens for Zug, George R.: 1

Zumpt, Frits Konrad Ernst
(1908 - 1985)

Collection Date Unknown: Namibia: Unknown locality: SMNS: 3 [3] - Outjo: BMNH: 3, SMNS: 2 [5 - **8**].
Tanzania: Kondoa: ZMB: 2 [2 - **2** - **10**].
1 January 1949: South Africa: Nelspruit: SMNS: 1 [1 - **1** - **1**].

1 March 1952: South Africa: Marone: BMNH: 1 [1 - **1** - **1**].
27 December 1952: South Africa: Rhin Z: SMF: 1 [1 - **1** - **1**].
1 January 1953: South Africa: Nelspruit: SMNS: 1 [1 - **1** - **1**].
25 April 1953: South Africa: Nelspruit: SMNS: 1 [1 - **1** - **1**].
29 December 1955: Botswana: Maun: SMNS: 1 [1 - **1** - **1**].
19 January 1956: Botswana: Dibete: SMNS: 1 [1 - **1** - **1**].
1 March 1956: Botswana: Kanye: BMNH: 1 [1 - **1** - **1**].
1 January 1958: Botswana: Kanye: ZFMK: 4 [4 - **4** - **4**].
15 April 1961: Namibia: Windhoek: ZFMK: 2 [2 - **2** - **2**].
9 March 1965: South Africa: Hluhluwe Game Reserve: ZFMK: 1 [1 - **1** - **1**].
5 April 1965: South Africa: Hluhluwe Game Reserve: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for Zumpt, Frits Konrad Ernst: 27

Zway, P.

14 March 1979: South Africa: Shingomeni Out Post: KNP: 2 [2 - **2** - **2**].
15 July 1979: South Africa: Xirhombe Pan: KNP: 4 [4 - **4** - **4**].

Total Specimens for Zway, P.: 6

Zyskowski, Kristof

29 March 2003: Equatorial Guinea: Obamicu: YPM: 1 [1 - **1** - **1**].

Total Specimens for Zyskowski, Kristof: 1

Zyskowski, Kristof; Rice, Nathan H.

22 March 2003: Equatorial Guinea: Litoral province: YPM: 1 [1 - **1** - **1**].

Total Specimens for Zyskowski, Kristof; Rice, Nathan H.: 1

Grand total: 129845

Appendix 4b: Chronological

This appendix is sorted by collection date, country and locality and collector.

The underlined numbers indicate the number of specimens for the collector. The **bold numbers** represent the number of specimens for the locality and the **bold and underlined numbers** the totals for the specific country.

Collection Date Unknown

"Africa": Unknown locality: ?: Collector Unknown: AMS: 13, BMNH: 15, CM: 7, DNSM: 1, FMNH: 2, HNHM: 1, HZM: 23, KM: 6, MCZ: 3, MHNC: 1, MMK: 54, MNHN: 238, MZUSP: 7, NHMZ: 42, NMB: 2, NMK: 1, ORSTOM: 10, RBINS: 2, RMCA: 24, RMNH: 4, ROM: 1, SAMC: 22, SMF: 8, SMG: 24, TM: 196, UADBA: 1, UCT: 1, UNSW: 1, USNM: 18, YPM: 10, ZFMK: 1, ZMA: 65, ZMB: 11, ZMUC: 15 [830]; : AMNH: 1, NMBE: 6, SMW: 1 [8]; Alexander-Gosling Expedition, The: BMNH: 7 [7]; Ansell, William Frank Harding: BMNH: 1 [1]; Babault, Guy: MNHN: 5 [5]; Bates, George Latimer: MCZ: 1 [1]; Brewster, W.: MCZ: 1 [1]; Christy, Cuthbert: RMCA: 1 [1]; Earl, P.: RBINS: 1 [1]; Ernst, C.H.: NCSM: 1 [1]; Galton, Francis: BMNH: 1 [1]; Gierra, M.C.: MNHN: 1 [1]; Heim de Balsac, Henri: MNHN: 1 [1]; Humblot, Léon: MNHN: 1 [1]; Kimbembi-ma-Ibaka, A.: ZMA: 4 [4]; Lukamba, P.: ZMA: 4 [4]; Mpumalanga Parks Board, The: TM: 4 [4]; Neumann: ZMB: 4 [4]; Pel, H.S.: RMNH: 1 [1]; Pilette, André: RMCA: 1 [1]; Rüppell, Wilhem Peter Edward Simon: RMNH: 1 [1]; Shortridge, Guy Chester: BMNH: 2 [2]; Siépi, Paul: MNHN: 1 [1]; Talloen: RMCA: 1 [1]; Tomes Collection, The: BMNH: 2 [2]; Umlauff Museum (Hamburg), The: ZMA: 1 [1]; Van Barneveld, H.W.P.: RMNH: 1 [1]; Vissault, Jacques: ZMA: 1 [1]; Ward, Henry Augustus: MCZ: 1 [1]; Zoological Garden Antwerp: RMCA: 1 [1 - **890**] - "Congo": ?: Collector Unknown: MIZT: 1 [1]; Thellon, M.: MNHN: 2 [2 - **3**] - "Lobito Voay": Chapman, Jan: SAMC: 1 [1 - **1**] - "Senegal or Mauritania": Institut Pasteur Dakar, l': MNHN: 15 [15 - **15**] - Africa: de Selys-Longschamps, Edmond: RBINS: 1 [1 - **1**] - Angasilha [=?Angaziga]: von der Decken, Karl Klaus: ZMB: 2 [2 - **2**] - Bengale: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Biala-Fouanga cave: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Bornili an the Amwini river: Schubolz, H.: ZMB: 2 [2 - **2**] - but almost certainly from Kashmir or N India: Gerard, E.: BMNH: 1 [1 - **1**] - but more probably from Kashmir: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Caffraria?: Wahlberg, Johan August: ZMB: 1 [1 - **1**] - Central Africa: ?: Collector Unknown: NMBE: 7 [7 - **7**] - Chifumbaze: Tiessler: ZMB: 3 [3 - **3**] - Congo: ?: Collector Unknown: BMNH: 11 [11 - **11**] - Cretschna: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Daba: von Erlanger, C.: ZMB: 2 [2 - **2**] - Dakoro, 10 km W: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Daroli: von Erlanger, C.: ZMB: 1 [1 - **1**] - Dume: Freyer: ZMB: 1 [1]; Schipper: ZMB: 1 [1 - **2**] - East Africa: ?: Collector Unknown: BMNH: 2 [2]; Loveridge, Arthur: BMNH: 1 [1 - **3**] - East coast of Africa: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Eastern Africa: ?: Collector Unknown: NMW: 1 [1]; Glauning: ZMB: 1 [1]; Neumann: ZMB: 1 [1]; von der Decken, Karl Klaus: ZMB: 1 [1 - **4**] - Engeremgere: Emin Pascha / Pasha / Bey: ZMB: 2 [2 - **2**] - Epoulan: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Galpa river: Neumann: ZMB: 1 [1 - **1**] - Gambi Kayes: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Great lakes area, East Africa: ?: Collector Unknown: MNHN: 3 [3]; For, M.: MNHN: 1 [1 - **4**] - Igo Island: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Isavo swamp: Praed: BMNH: 1 [1 - **1**] - Itimaire River: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Jub: von Erlanger, C.: ZMB: 1 [1 - **1**] - Karagwa: Grauer, Rudolf: ZMB: 6 [6 - **6**] - Kesine: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Kha Principé: Dohrn, Felix Anton: ZMB: 1 [1 - **1**] - Kimpoko: Büttner: ZMB: 1 [1 - **1**] - Kirimba: Stuhlmann, Franz Ludwig: ZMB: 1 [1 - **1**] - Kubondo: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Kubub: Schultze: ZMB: 1 [1 - **1**] - Kwa Kitoto and Mengo: Neumann: ZMB: 1 [1 - **1**] - Lealné district: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Mafouta: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Mafouta village: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Maldachi: Fischer: ZMB: 1 [1 - **1**] - Musa: Plate: ZMB: 1 [1 - **1**] - Napa-ire: Mischlich: ZMB: 1 [1 - **1**] - Niamniam: Bohndorff: ZMB: 1 [1 - **1**] - Niary or Niasy cave: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Nieri river: Roberts, Austin: BMNH: 1 [1 - **1**] - Nile River, near: ?: Collector Unknown: MNHN: 2 [2 - **2**] - North Africa: : AMNH: 2 [2 - **2**] - Northeastern Africa: Ehrenberg, Christian Gottfried: ZMB: 1 [1 - **1**] - Northern Africa: Gerrard, Edward: MCZ: 1 [1]; Mission Frantf…, La: SMNS: 1 [1]; Verreaux, Jules Pierre: AMNH: 1 [1 - **3**] - Red Sea: Rüppell, Wilhem Peter Edward Simon: RMNH: 2 [2 - **2**] - Riva, near: Grandidier Collection, The: MCZ: 1 [1 - **1**] - Rotsédy country, NE: ?: Collector Unknown: MNHN: 3 [3 - **3**] - S-Africa: Schultze: ZMB: 2 [2 - **2**] - Sahara: ?: Collector Unknown: MHNG: 1 [1 - **1**] - Sampi: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Sanaga Nyong-Dja: ?: Collector Unknown: MNHN: 6 [6 - **6**] - Saulale: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Settlement: : BMNH: 1 [1 - **1**] - Ténéré: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ternata: Forster: ZMB: 1 [1 - **1**] - Tschaka: Fischer: ZMB: 1 [1 - **1**] - Ukondjo: Emin Pascha / Pasha / Bey: ZMB: 1 [1]; Emin Pascha or Büttner: ZMB: 1 [1 - **2**] - Ukuguru: Götze: ZMB: 1 [1 - **1**] - Unknown locality: ?: Collector Unknown: TM: 1 [1 - **1**] - Webi: von Erlanger, C.: ZMB: 1 [1 - **1**] - West Africa: ?: Collector Unknown: TM: 2 [2]; Bates, George Latimer: MCZ: 1 [1]; Ward's Natural Sciences Estabishment, The: FMNH: 1 [1 - **4**] - West coast of Africa: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Zambezi, Upper: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1044**].

Algeria: Unknown locality: ?: Collector Unknown: BMNH: 43, MNHN: 11, RMNH: 1 [55]; : AMNH: 1 [1]; Dobson, George Edward: USNM: 1 [1]; Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **58**] - Ain Mokra: Spatz: ZMB: 3 [3 - **3**] - Aïn Sefra: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Aïn-Sefra: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Algerian Sahara: Von Geyr, H.: ZMB: 1 [1 - **1**] - Algiers: ?: Collector Unknown: NMV: 1 [1]; Gotsch: ZMB: 1 [1]; Nehring, Alfred: ZMB: 2 [2]; Spatz: ZMB: 5 [5]; Verreaux, Jules Pierre: ZMB: 2 [2 - **11**] - Annaba: ?: Collector Unknown: UANK: 2 [2 - **2**] - Aurès mountains: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bechar, 8 km NE: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1**] - Béni Abbès: ?: Collector Unknown: MNHN: 34 [34]; Johnson, E.D.W.: BMNH: 1 [1 - **35**] - Biskra: Heymons: ZMB: 4 [4 - **4**] - Blida: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Boghar: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bône, near: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Cap Aokas: ?: Collector Unknown: MCZ: 1 [1 - **1**] - Chaegga: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Colomb Bechar: Laviolette, S.; Cunningham, G.: ROM: 4 [4 - **4**] - Dellys: ?: Collector Unknown: MCZ: 1 [1 - **1**] - Djamaa: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Djanet: ?: Collector Unknown: MNHN: 8 [8 - **8**] - El Goléa: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Gran Cabilia: Sárvári, M.: HNHM: 1 [1 - **1**] - Gran Cabilia, Sea-Atlas: Sárvári, M.: HNHM: 2 [2 - **2**] - Hassi Fokra: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Hedjani: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Hoggar: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Lions cave: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Marhouma: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Misserghin Gorge, cave of 4th source: ?: Collector Unknown: MNHN: 2 [2 - **2**] - no

specific locality: Doria, Giacomo: ZMB: 4 [4]; Verreaux, Jules Pierre: ZMB: 1 [1 - **5**] - Oran: Pallary, Paul: MNHN: 1 [1]; Wagner, Johann Andreas: ZMB: 1 [1 - **2**] - Ouarsenis: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Oumash: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Pool: James, D.K.: BMNH: 1 [1 - **1**] - Tafna: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Tamanrasset: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Tamanrasset, near: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Tassili N'Ajer: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Taya: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Tit: Back, H.E.: ZFMK: 1 [1 - **1**] - Touareg Sahara: ?: Collector Unknown: MNHN: 11 [11 - **11**] - Umasch [=Oumach]: Zedlitz: ZMB: 1 [1 - **1** - **189**].

Angola: Unknown locality: ?: Collector Unknown: BMNH: 79, RMNH: 1 [80]; : BMNH: 1 [1]; Anchieta, José Alberto de Oliveira: RMNH: 1 [1]; Bradley, Lee S.: AMNH: 1 [1]; Chatelain, Héli: USNM: 1 [1]; Mission Scientifique Suisse à Angola, La: MHNN: 1 [1]; Monard, Albert: MHNG: 1 [1]; Van der Kellen, C.E.: RMNH: 1 [1]; Wollwitsch: BMNH: 2 [2 - **89**] - Agronomic station: ?: Collector Unknown: IICA: 1 [1 - **1**] - Alto Chicapa: ?: Collector Unknown: BMNH: 1, MDL: 9 [10 - **10**] - Alto Chicapa, R. Luica, affluent of R. Cuango-Muqué: ?: Collector Unknown: MDL: 1 [1 - **1**] - Alto Cuilo: ?: Collector Unknown: MDL: 1 [1 - **1**] - Alto Zambeze, Calunda: ?: Collector Unknown: MDL: 2 [2 - **2**] - Angola: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Baia Farta: ?: Collector Unknown: IICA: 1 [1 - **1**] - Ballundo: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Benguela: ?: Collector Unknown: ZMB: 1 [1]; Bocage, José Vicente Barboza du: MZUF: 1 [1]; Monteiro, J.J.: BMNH: 1, ZMB: 7 [8]; Wellman, F.C.: BMNH: 1 [1 - **11**] - Benguella [= Benguela]: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Bungo: Ansorge, William John: BMNH: 1 [1 - **1**] - Cabiri: ?: Collector Unknown: USNM: 1 [1]; Ansorge, William John: MCZ: 1 [1 - **2**] - Cabuta: ?: Collector Unknown: IICA: 3 [3 - **3**] - Caconda: ?: Collector Unknown: BMNH: 1 [1]; Anchieta, José Alberto de Oliveira: BMNH: 1 [1 - **2**] - Caconda [= Cuango]: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Cacuaco: ?: Collector Unknown: IICA: 1 [1 - **1**] - Cahata: ?: Collector Unknown: BMNH: 1 [1]; Anchieta, José Alberto de Oliveira: MNHN: 1 [1 - **2**] - Calunda: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Campale [= Kapala]: ?: Collector Unknown: IICA: 1 [1 - **1**] - Canhoca: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1 - **2**] - Canzele: Blazer, brothers: RMNH: 1 [1 - **1**] - Capolopop: ?: Collector Unknown: IICA: 3 [3 - **3**] - Capolopopo: ?: Collector Unknown: IICA: 1 [1 - **1**] - Cariango: ?: Collector Unknown: IICA: 1 [1 - **1**] - Catete: ?: Collector Unknown: NMBA: 1 [1]; : NMBA: 2 [2 - **3**] - Catete road: ?: Collector Unknown: IICA: 1 [1 - **1**] - Catumbella: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Chinchoxo: Afrikanische Gesellschaft, Die: ZMB: 8 [8]; Falkenstein: ZMB: 10 [10 - **18**] - Chitado: ?: Collector Unknown: IICA: 1 [1 - **1**] - Chitau: ?: Collector Unknown: CM: 1 [1 - **1**] - Concórdia: Wilhelm: ZMB: 1 [1 - **1**] - Congulu: : BMNH: 4 [4 - **4**] - Courrier de Humpata, Fazenda Bumbo: ?: Collector Unknown: MDL: 2 [2 - **2**] - Cuango: ?: Collector Unknown: IICA: 1 [1 - **1**] - Cuchi: ?: Collector Unknown: IICA: 1 [1 - **1**] - Dando: ?: Collector Unknown: CZL: 2, IICA: 2 [4 - **4**] - Dolondolo: ?: Collector Unknown: SMW: 4 [4 - **4**] - Dondo: Ansorge, William John: BMNH: 3 [3 - **3**] - Dundo: ?: Collector Unknown: BMNH: 1, MDL: 141 [142]; : MDL: 1 [1 - **143**] - Dundo Lundo: ?: Collector Unknown: BMNH: 2 [2]; Dundo Museum, the: BMNH: 4 [4 - **6**] - Duque de Bragança: Ansorge, William John: BMNH: 1 [1 - **1**] - Duque de Bragança [=Calandula]: ?: Collector Unknown: ZMB: 1 [1]; Bocage, José Vicente Barboza du: ZMB: 1 [1 - **2**] - Equlnlma: ?: Collector Unknown: IICA: 1 [1 - **1**] - Fazenda Bumbo: ?: Collector Unknown: MDL: 1 [1 - **1**] - Fazenda Cacanda: ?: Collector Unknown: IICA: 1 [1 - **1**] - Gabela: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Galanga: ?: Collector Unknown: MNHN: 1 [1]; Anchieta, José Alberto de Oliveira: MNHN: 2 [2 - **3**] - Golungo: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Golungo Alto: ?: Collector Unknown: BMNH: 2 [2]; Welwitsch, F.M.: BMNH: 1 [1 - **3**] - Hoque: ?: Collector Unknown: IICA: 1 [1 - **1**] - Huila: ?: Collector Unknown: IICA: 2 [2 - **2**] - Humbe: ?: Collector Unknown: IICA: 1 [1]; Anchieta, José Alberto de Oliveira: MSNG: 1 [1]; Bocage, José Vicente Barboza du: ZMB: 1 [1]; Monard, Albert: MHNG: 1 [1 - **4**] - Humpata: ?: Collector Unknown: IICA: 1 [1 - **1**] - Jau: ?: Collector Unknown: IICA: 1 [1 - **1**] - Kalonga [= Calonga]: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Kissama NP: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kuvango: ?: Collector Unknown: MCZ: 1 [1]; Mission Scientifique Suisse à Angola, La: MHNN: 1 [1 - **2**] - Kuvango Mission: Monard, Albert: MHNN: 1 [1 - **1**] - Lago Calundo: Dundo Museum, The: BMNH: 1 [1 - **1**] - Lago Dilolo: ?: Collector Unknown: CZL: 1 [1 - **1**] - Lake Calundo [= Lac Calundo]: ?: Collector Unknown: BMNH: 2, MDL: 5 [7 - **7**] - Lândana: ?: Collector Unknown: RBINS: 3, ZMA: 1 [4 - **4**] - Litambo: Lademann: ZMB: 5 [5 - **5**] - Loango: Bocage, José Vicente Barboza du: ZMB: 1 [1 - **1**] - Luanda: ?: Collector Unknown: IICA: 4 [4]; Gleim: ZMB: 1 [1 - **5**] - Luiana Camp: Doutt, J. Kenneth: CM: 2 [2 - **2**] - Lulana Camp: ?: Collector Unknown: CM: 1 [1 - **1**] - Luso [= Moxico]: ?: Collector Unknown: CZL: 1 [1 - **1**] - Malange [= Malanje]: Ansorge, William John: BMNH: 1 [1]; Buchner: ZMB: 1 [1]; Mechow: ZMB: 4 [4 - **6**] - Marco de Canavezes: ?: Collector Unknown: MDL: 1 [1 - **1**] - Massano de Amorim: ?: Collector Unknown: IICA: 1 [1 - **1**] - Mavoio: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Missongue, near Cuanza R.: ?: Collector Unknown: IICA: 1 [1 - **1**] - Moks, mount: Burrard, C.; Jordan, Karl: BMNH: 1 [1 - **1**] - Mulundo: ?: Collector Unknown: IICA: 1 [1 - **1**] - Mumbondo: ?: Collector Unknown: IICA: 1 [1 - **1**] - Mussende: ?: Collector Unknown: IICA: 2 [2 - **2**] - Namibe [=syn Mossamedes, Mocamedes]: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Naulila: ?: Collector Unknown: IICA: 1 [1 - **1**] - Naulila, 25 km E: ?: Collector Unknown: IICA: 1 [1 - **1**] - N'Kuta, Loango: Ansorge, William John: ZMB: 1 [1 - **1**] - no specific locality: ?: Collector Unknown: ZMB: 1 [1]; Toulson: ZMB: 1 [1]; Welwitsch, F.M.: ZMB: 1 [1 - **3**] - Nova Lisboa [= Huambo]: ?: Collector Unknown: CZL: 1 [1 - **1**] - Novo Redondo, near: ?: Collector Unknown: IICA: 1 [1 - **1**] - NovoRed'1ndo: ?: Collector Unknown: IICA: 1 [1 - **1**] - N'zeto: Heinrich, Gerd H.: FMNH: 10 [10 - **10**] - Oncocua: ?: Collector Unknown: IICA: 1 [1 - **1**] - Pedra Grande, Caraculo: ?: Collector Unknown: IICA: 2 [2 - **2**] - Pungo Andongo: ?: Collector Unknown: BMNH: 1 [1]; Anchieta, José Alberto de Oliveira: BMNH: 1 [1 - **2**] - Pungo Andongo [Quibula, Cahata]: Falkenstein: ZMB: 1 [1 - **1**] - Quimbango: ?: Collector Unknown: IICA: 1 [1 - **1**] - Quipungo: ?: Collector Unknown: IICA: 1 [1 - **1**] - Quiteve: ?: Collector Unknown: IICA: 2 [2 - **2**] - Rio Coroca: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Rio Corvea: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Sá da Bandeira: ?: Collector Unknown: IICA: 6 [6 - **6**] - Sa da Bandeira [= Lubango], 20 km W: ?: Collector Unknown: IICA: 1 [1 - **1**] - Salazar [= N'Dalatando], Agronomic Station: ?: Collector Unknown: IICA: 3, NHMZ: 1 [4 - **4**] - Sangueve: Monard, Albert: MHNG: 1 [1 - **1**] - Santo Antonlodo Zalre [= Soyo]: ?: Collector Unknown: CZL: 1 [1 - **1**] - Silva Porto [= Kuito]: ?: Collector Unknown: CZL: 1 [1 - **1**] - Tchivinguiro: ?: Collector Unknown: IICA: 3, SMW: 3 [6 - **6**] - Tshiumbe [=syn Tyihumbwe, Tyhumbwe, Chiumbe] river, tributary of Kasai river: ?: Collector Unknown: AMNH: 1, MHNC: 2 [3 - **3**] - Tshiumbe [=syn. Tyihumbwe, Tyhumbwe, Chiumbe] river, tributary of Kasai river: ?: Collector Unknown: MHNC: 1 [1 - **1**] - Vila Arriaga: ?: Collector Unknown: IICA: 1, SMW: 1 [2 - **2** - **464**].

Azores (Portugal): Unknown locality: ?: Collector Unknown: BMNH: 14, SMF: 1 [15 - **15**] - St Michael: DuCane Godman, Frederick: BMNH: 1 [1 - **1** - **16**].

Benin: Unknown locality: ?: Collector Unknown: MNHN: 9, ZMA: 2 [11]; van Woersem, I.: RMNH: 44 [44 - **55**] - "Dahomey": ?: Collector Unknown: MNHN: 1 [1]; : BMNH: 2 [2]; Waterlot, G.: MNHN: 1 [1 - **4**] - Agouagon: ?: Collector Unknown: MNHN: 8 [8 - **8**] - Agouve [=Agoué?]: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Ajargon [=Ajougon = Agouagon?]: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Awaya: ?: Collector Unknown: NMP: 7 [7 - **7**] - Groß-Popo [= Grand-Popo]: Bloess: ZMB: 1 [1 - **1**] - Manigri: ?: Collector Unknown: NMP: 1 [1 - **1**] - Nikki: LeDuc, James W.: USNM: 1 [1 - **1**] - Pendjari Park: Green, Arthur A.: ROM: 4 [4 - **4**] - Tagayé: ?: Collector Unknown: NMP: 1 [1 - **1** - **86**].

Botswana: Unknown locality: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Chobe NP, Kasane: ?: Collector Unknown: NHMZ: 6, USNM: 2 [8]; Smithers, Reay Henry Noble: ROM: 8 [8 - **16**] - Chobe NP, Serondela: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chobe NR, Kasane: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2 - **2**] - Chobe-NP, Goho Hills: Lang, Herbert; Vernay Expedition, The: TM: 1 [1 - **1**] - Dikomo Di Kai: ?: Collector Unknown: USNM: 2 [2 - **2**] - Drotsky Cave: ?: Collector Unknown: NHMZ: 2, USNM: 1 [3 - **3**] - Drotsky's [= Drodsky] Caves: ?: Collector Unknown: NHMZ: 14, USNM: 1 [15]; Haacke, W.D.; Prozesky, O.P.M.: USNM: 3 [3]; Herbert, H.J.: USNM: 7 [7 - **25**] - First Pole Bridge: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Fort Rictfontein, 33 km SSE: ?: Collector Unknown: USNM: 1 [1 - **1**] - Four Rivers Camp: ?: Collector Unknown: NHMZ: 15 [15 - **15**] - Francis Town, 20 km N: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Francistown: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Francistown, 18 km S: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Francistown, 32 km N: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Francistown-Nata: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ghanzi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ghanzi, 45 km S: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gomoti R: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Gomoti R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gomoti River, Highbanks: ?: Collector Unknown: FMNH: 1 [1]; Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 1 [1 - **2**] - Jao [Camp]: Helgen, Kristofer M.: MCZ: 2 [2 - **2**] - Kaikai, 35 km SE: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2 - **2**] - Kaporota Training Camp [site 2]: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Kaporota Training Camp, 5.7 km N: ?: Collector Unknown: TM: 1 [1 - **1**] - Kasane: ?: Collector Unknown: MNHN: 2 [2]; Elder, William Hanna: ROM: 2 [2]; Haylock, R.E.: ROM: 5 [5]; KB: ROM: 2 [2 - **11**] - Khuis: ?: Collector Unknown: NHMZ: 2, USNM: 1 [3 - **3**] - Khutse: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kurunxaraga: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Kwai Mababe Flats: Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **1**] - Kwando R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kwebe Hills, 26 km NW: ?: Collector Unknown: NHMZ: 1, USNM: 2 [3 - **3**] - Lethlaking, 17 km SE: ?: Collector Unknown: USNM: 1 [1 - **1**] - Livingstone Cave: ?: Collector Unknown: HZM: 1 [1 - **1**] - Livingstone's cave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mabeleapudi: ?: Collector Unknown: USNM: 1 [1 - **1**] - Makalamabedi Resource Area: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Masetsi Bridge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Maun: ?: Collector Unknown: MNHN: 2, NHMZ: 4, ROM: 12, USNM: 4 [22]; Archer, T.: ROM: 1 [1]; Larson, Thomas ("Tom"): AMNH: 1 [1]; V.L.K.E.: TM: 1 [1]; Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **26**] - Maun, 12 km NE: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Maun,12 km NE: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mohembo: Larson, Thomas ("Tom"): MVZ: 2 [2 - **2**] - Molepolole: Larson, Thomas ("Tom"): MVZ: 16 [16 - **16**] - Mopipi: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Moremi Game Reserve: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Moremi GR, Khwai R.: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Mumpswe Pan: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Musu: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nata: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2 - **2**] - Nata R: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Nata R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ngami, lake: Woosnam, R.B.: BMNH: 1 [1 - **1**] - Ngoma, Chobe R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nitani: ?: Collector Unknown: TM: 1 [1 - **1**] - Nokaneng, 21 km N: ?: Collector Unknown: NHMZ: 1, USNM: 2 [3 - **3**] - Nthane: ?: Collector Unknown: NHMZ: 11 [11 - **11**] - Nunga: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Nxai Pan: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Pandamatenga, 130 km SW: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Pandamatenga, 140 km SW: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Pom Pom: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Pom Pom Okovango: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Savuti R: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Savuti R.: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Sehitwa, 16 km SW: ?: Collector Unknown: USNM: 3 [3 - **3**] - Sehitwa, 22 km W: ?: Collector Unknown: NHMZ: 3, USNM: 2 [5 - **5**] - Sehitwa,16 km SW: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Selinda Spillway: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Sepopa: ?: Collector Unknown: NHMZ: 4, USNM: 1 [5]; Goussard, S.W.: USNM: 1 [1]; Liversedge, T.N.: USNM: 1 [1 - **7**] - Sepope: Liverseage, T.M.: USNM: 1 [1 - **1**] - Seronga, 72 km ESE: Archer, T.: ROM: 1 [1 - **1**] - Serowe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Serowe, 40 km NW: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Serowe,40 km NW: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Shakawe: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2]; Goussard, S.W.: USNM: 4 [4]; Liversedge, T.N.: USNM: 6 [6 - **12**] - Shakawe, 15 mi [=24 km] S: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Shakawe, 70 km SW: ?: Collector Unknown: NHMZ: 4, USNM: 3 [7 - **7**] - Shishikofa: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Shorobe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sokwana: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sukwane, Botletle R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sumsum: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Tamafupi, 33 km N: ?: Collector Unknown: NHMZ: 2, USNM: 3 [5 - **5**] - Toromoja: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Toten: ?: Collector Unknown: USNM: 1 [1 - **1**] - Tsabong: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Tsane: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Tsane, 32 km ENE: ?: Collector Unknown: USNM: 1 [1 - **1**] - Tsanogo: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Tsau: ?: Collector Unknown: USNM: 1 [1 - **1**] - Tsigara: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Tsodilo Hills: ?: Collector Unknown: USNM: 1 [1 - **1**] - Tsodilo Hills: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Tsodllo Hills: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Tsum Tsum: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Vloorskop: ?: Collector Unknown: USNM: 1 [1 - **1**] - Xugana: ?: Collector Unknown: USNM: 11 [11]; Archer, A.L.: USNM: 2 [2]; Carter, W.T.: USNM: 5 [5 - **18**] - Xugana, 11 km W: ?: Collector Unknown: USNM: 1 [1 - **1**] - Xugana, 17 km N: ?: Collector Unknown: USNM: 2 [2 - **2** - **320**].

Burkina Faso: Unknown locality: ?: Collector Unknown: BMNH: 9, SMF: 2 [11 - **11**] - Bontioli: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Comoe River: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Fada Ngourma: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Koumbia: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Lawra: Cansdale, George Soper: BMNH: 2 [2 - **2**] - Nobere, 1 km S: Mumford, Russell E.: ROM: 3 [3 - **3**] - Nobere, 1.5 km S: Mumford, Russell E.: ROM: 12 [12 - **12**] - Ouagadougou: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ouagadougou and Bobodioulasso, village between: ?: Collector Unknown: MNHN: 11 [11 - **11**] - Oursi: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Soum province: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - Tazawat: ?: Collector Unknown: MNHN: 1 [1 - **1** - **54**].

Burundi: Bujumbura: : SMF: 1 [1]; Kiss: RMCA: 145 [145]; Verschuren, Jacques: RBINS: 1 [1 - **147**] - Imbo: Vissault, Jacques: MNHN: 1 [1 - **1**] - Russissi, bank [=Rusizi delta]: Grauer, Rudolf: ZMB: 2 [2 - **2** - **150**].

Cameroon: Unknown locality: ?: Collector Unknown: BMNH: 147, MNHN: 15, USNM: 1, ZMB: 1 [164]; Bates, George Latimer: MCZ: 1 [1]; Buchholz: ZMB: 4 [4]; Conradt: ZMB: 1 [1]; Haberer: ZMB: 7 [7]; Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 4 [4]; Martienssen: ZMB: 1 [1]; Miller, Charles D.: YPM: 20 [20]; Preuss, P.: ZMB: 2 [2]; Reichenow, Anton: ZMB: 1 [1]; Riggenbach: ZMB: 2 [2]; Schwab, George W.: MCZ: 4 [4]; Stift: ZMB: 1 [1]; Strickland: BMNH: 1 [1]; Strunck: ZMB: 1 [1]; Zenker, Georg August: ZMB: 4 [4 - **218**] - above Buea, Larger I: Eisentraut, Martin: ZFMK: 8 [8 - **8**] - Above Mueli: Eisentraut, Martin: ZFMK: 2 [2 - **2**] - Ajos Höhe [=Ayos Heights]: Reichenow, Anton: ZMB: 2 [2 - **2**] - Akonolinga: Freyer: ZMB: 1 [1 - **1**] - Amban, 13 km S, 8 km E: ?: Collector Unknown: CM: 1 [1 - **1**] - Ayos: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ayos Road, Mvoutesi II [= MVE II]: ?: Collector Unknown: ROM: 6 [6]; Glen, Robert M.: ROM: 4 [4 - **10**] - Bafia area: Tessmann: ZMB: 1 [1 - **1**] - Bake River Bridge: ?: Collector Unknown: CM: 1 [1 - **1**] - Balue mountains: Konietzko: ZMB: 4 [4 - **4**] - Bamenda: Glauning: ZMB: 1 [1 - **1**] - Bamumbo: Sanderson, Ivan T.: BMNH: 1 [1 - **1**] - Bamundjinda: Adametz: ZMB: 1 [1 - **1**] - Bana: Glauning: ZMB: 1 [1 - **1**] - Banjun: Glauning: ZMB: 2 [2 - **2**] - Baro: ?: Collector Unknown: CM: 1 [1 - **1**] - Barombi Kang: Lawler, R.S.: ROM: 7 [7 - **7**] - Barombi-Mbo Lake shore, Kumba: Ngam, V.N.: ROM: 2 [2 - **2**] - Bashauo: Sanderson, Ivan T.: BMNH: 5 [5 - **5**] - Basho: ?: Collector Unknown: ZMB: 1 [1]; Von Örtzen: ZMB: 2 [2

- **3**] - Batanga: Cox, Newman Hall Dervis: USNM: 1 [1]; Good, A.I.: CM: 1 [1 - **2**] - Batouri district: ?: Collector Unknown: NMV: 2 [2]; Merfield, F.G.: BMNH: 2, PCMB: 4 [6 - **8**] - Bebai: Tessmann: ZMB: 2 [2 - **2**] - Besogabang: Sanderson, Ivan T.: BMNH: 3 [3 - **3**] - Bibundi: Lampe, E.: BMNH: 1 [1 - **1**] - Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 3 [3 - **3**] - Biggil: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bimbia: Eisentraut, Martin: ZMB: 19 [19]; Jones, Theo Simpson: ROM: 38 [38 - **57**] - Bipindi: Zenker, Georg August: ZMB: 1 [1 - **1**] - Bipindi, 10 km W: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Bipindi, Kribi, Bez: Sjöstedt, Bror Yngve: ZMB: 1 [1]; Zenker, Georg August: ZMB: 47 [47 - **48**] - Bipindihof nr Kribi: Kathke: ZMB: 1 [1 - **1**] - Bitye: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1]; Bates, George Latimer: BMNH: 9, MCZ: 1, RMCA: 4 [14]; Bates, George Latimer; Rosenberg, G.: ZMB: 1 [1]; Rosenberg: ZMB: 2 [2 - **19**] - Bokwango: Jones, Theo Simpson: ROM: 14 [14 - **14**] - Bokwango, near: : BMNH: 1 [1 - **1**] - Bonge: Sjöstedt, Bror Yngve: ZMB: 3 [3 - **3**] - Bota: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1]; Jones, Theo Simpson: ROM: 7 [7 - **9**] - Boteke Village: Ngam, V.N.: ROM: 29 [29 - **29**] - Bova Village: Ngam, V.N.: ROM: 3 [3 - **3**] - Buéa: ?: Collector Unknown: BMNH: 2, ZMB: 1 [3]; Eisentraut, Martin: ZMB: 5 [5]; Ngam, V.N.: ROM: 37 [37]; Preuss, P.: ZMB: 2 [2]; Prévost, J.: MNHN: 1 [1 - **48**] - Buea Station area, small Sopo: Ngam, V.N.: ROM: 16 [16 - **16**] - Buea station, 2 km S: Ngam, V.N.: ROM: 7 [7 - **7**] - Buea, near: : BMNH: 6 [6]; Jones, Theo Simpson: ROM: 6 [6 - **12**] - Buta: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Campo: ?: Collector Unknown: MNHN: 2 [2 - **2**] - CDC Rest House: Glen, Robert M.: ROM: 1 [1 - **1**] - Dijgan: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Dimako: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - Douala: : SMNS: 1 [1 - **1**] - Ebolowa: Harvard University, Museum of Comparative Zoology: FMNH: 1 [1 - **1**] - Edéa: Rohde: ZMB: 5 [5 - **5**] - Efulan: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Efulén: ?: Collector Unknown: NMV: 1 [1]; Bates, George Latimer: BMNH: 7, RMCA: 1 [8 - **9**] - Ekona: Jones, Theo Simpson: ROM: 1 [1]; Ngam, V.N.: ROM: 4 [4 - **5**] - Ekongolo Sanaga: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1**] - Eseka: : AMNH: 1 [1 - **1**] - Eseka, 5 km SW: Robbins, Lynn W.: CM: 12 [12 - **12**] - Eshobe: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Essosong: Jones, Theo Simpson: ROM: 55 [55 - **55**] - Fenda: ?: Collector Unknown: SMF: 1 [1]; : SMF: 3 [3]; Schultze, A.; Herz, A.F.M.; Expedition 1910/11, the: SMF: 1 [1 - **5**] - Garoua, 25 mi S: Bates, George Latimer: BMNH: 1 [1 - **1**] - Great Soppo: Ngam, V.N.: ROM: 2 [2 - **2**] - Gwando: Jones, Theo Simpson: ROM: 74 [74 - **74**] - Huki: Sjöstedt, Bror Yngve: ZMB: 1 [1 - **1**] - Idenao: Jones, Theo Simpson: ROM: 3 [3 - **3**] - in forest across Mungo River: Ngam, V.N.: ROM: 1 [1 - **1**] - Indian Estates: Jones, Theo Simpson: BMNH: 2 [2 - **2**] - Isobi, Larger VI: Eisentraut, Martin: ZFMK: 17 [17 - **17**] - Isongo: : ZMH: 1 [1 - **1**] - Isongo [=Izongo]: Eisentraut, Martin: ZMB: 19 [19 - **19**] - Keboko, 8 km W: Peterson, Randolph L.: ROM: 3 [3 - **3**] - Kiribi, 14 km N: Peterson, Randolph L.: ROM: 2 [2 - **2**] - Kiribi, 4 km E: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Kiribi, 7 km E: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Kiribi, 9 km N: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Klein Batonga: Kaiser: ZMB: 1 [1 - **1**] - Kong: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Korup National Park: ?: Collector Unknown: CM: 1 [1 - **1**] - Kousri: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kribi: ?: Collector Unknown: MNHN: 7 [7]; Glen, Robert M.: ROM: 1 [1]; Morgen: ZMB: 1 [1]; Prévost, J.: MNHN: 10 [10 - **19**] - Kribi, 7 mi N: Glen, Robert M.: ROM: 1 [1 - **1**] - Kumba: ?: Collector Unknown: ROM: 2 [2]; Lawler, R.S.: ROM: 52 [52]; Miller, Charles D.: YPM: 4 [4]; Peterson, Randolph L.: ROM: 22 [22 - **80**] - Kumba region: Ngam, V.N.: ROM: 20 [20 - **20**] - Kumba, 15 km S: ?: Collector Unknown: ROM: 1 [1]; Peterson, Randolph L.: ROM: 4 [4 - **5**] - Kundja [=Koundja]: ?: Collector Unknown: ZMB: 2 [2 - **2**] - Kupe: Eisentraut, Martin: ZFMK: 2 [2 - **2**] - Lake Barombi, west side: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Lake Baromi,Johan-Albrechtshöhe: Conradt: ZMB: 1 [1 - **1**] - Lékoun: Nomo: RMCA: 2 [2 - **2**] - Limbe: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Lobe: : BMNH: 1 [1 - **1**] - Lolodorf: Good, A.I.: CM: 2 [2]; Reis, J.A.: CM: 9 [9 - **11**] - Lolodort: Lawler, R.S.: ROM: 1 [1 - **1**] - Lomié: ?: Collector Unknown: ROM: 1 [1]; Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **2**] - Lomié district: Merfield, F.G.: BMNH: 1 [1 - **1**] - Lomié, 10 km SE: Ngam, V.N.; Glen, Robert M.: ROM: 26 [26 - **26**] - Lomié, 40 km N: ?: Collector Unknown: ROM: 1 [1 - **1**] - Longji: Paschen: ZMB: 1 [1 - **1**] - Lower Ekona: Peterson, Randolph L.: ROM: 3 [3 - **3**] - Lulu: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Mabetta [= Maneta]: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Malako River: Peterson, Randolph L.: ROM: 2 [2 - **2**] - Malanga: Melchow: ZMB: 1 [1 - **1**] - Malende swamp area: Ngam, V.N.: ROM: 9 [9 - **9**] - Mamfe: : BMNH: 2 [2]; Mack: ZMB: 1 [1]; Sanderson, Ivan T.: BMNH: 1 [1 - **4**] - Man O'War Bay: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Manengouba, mount: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Mawutu Village: ?: Collector Unknown: ROM: 2 [2]; Ngam, V.N.: ROM: 6 [6 - **8**] - Mayuka: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mbalmayo road: ?: Collector Unknown: MNHN: 9 [9 - **9**] - M'Bonge: Jones, Theo Simpson: ROM: 1 [1 - **1**] - M'Boumo: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Meanja: Ngam, V.N.: ROM: 1 [1 - **1**] - Mengeme Village: Ngam, V.N.: ROM: 1 [1 - **1**] - Metchum River: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Metet: ?: Collector Unknown: FMNH: 1 [1]; : AMNH: 1 [1 - **2**] - Mkwikane cave: Peterson, Randolph L.: ROM: 8 [8 - **8**] - Moba [stream]: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Moliko: Ngam, V.N.: ROM: 1 [1 - **1**] - Moliko, CDC Banana plantation: Ngam, V.N.: ROM: 2 [2 - **2**] - Mount Cameroon: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mount Kupe: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - Mount Manengouba: Prévost, J.: MNHN: 10 [10 - **10**] - Mountain Hut 1: Ngam, V.N.: ROM: 1 [1 - **1**] - Mpundu: Ngam, V.N.: ROM: 1 [1 - **1**] - Mubange [=Mobange-Isongo]: Eisentraut, Martin: ZMB: 2 [2 - **2**] - Mueli, Lager V: Eisentraut, Martin: ZFMK: 11 [11 - **11**] - Mukonje: Eisentraut, Martin: ZMB: 13 [13]; Jones, Theo Simpson: ROM: 98 [98 - **111**] - Mukowje: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Mungo Anchoncho [Moungo river?]: Buchholz: ZMB: 5 [5 - **5**] - Musaké: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Muyuka [= Muea]: Ngam, V.N.: ROM: 7 [7 - **7**] - Mvengue [=Mvengu], 3 km W, 1 km N: Peterson, Randolph L.: ROM: 11 [11 - **11**] - Ndian [river]: Sjöstedt, Bror Yngve: ZMB: 3 [3 - **3**] - Ndjolé: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ndjole, 4 km N: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Ndjole, 6 km N: Peterson, Randolph L.: ROM: 1 [1 - **1**] - near Lake Koto Barombi, Larger IV: Eisentraut, Martin: ZFMK: 3 [3 - **3**] - Ngaoundéré, 85 km S: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ngoumé: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - Njombo River: ?: Collector Unknown: ROM: 7 [7]; Glen, Robert M.; Ngam, V.N.: ROM: 1 [1]; Ngam, V.N.; Glen, Robert M.: ROM: 1 [1 - **9**] - Nki National Park: ?: Collector Unknown: HNHM: 1 [1 - **1**] - Nojole, 12 km S: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Nojole, 6 km N: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Nsannakang [=Nsanakang]: Diehl, E.: ZMB: 4 [4 - **4**] - Obala, 12 km S, 11 km E: Peterson, Randolph L.: ROM: 4 [4 - **4**] - Obala, 12 km S, 4 km E: ?: Collector Unknown: ROM: 2 [2]; Peterson, Randolph L.: ROM: 5 [5 - **7**] - Ongoo: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Ongoo near Mukono: Peterson, Randolph L.: ROM: 20 [20 - **20**] - Ongoonear Mukono, Kumba: Peterson, Randolph L.: ROM: 5 [5 - **5**] - Ossa, Lake: Rohde: ZMB: 1 [1 - **1**] - Ossidinge [=Mamfe]: Mansfeld: ZMB: 9 [9 - **9**] - Ototomo: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Rumysi Hilus: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - Sakbayeme: Schwab, George W.: MCZ: 2 [2 - **2**] - Sangmelima: Good, A.I.: CM: 3 [3]; Rolle, Hermann: ZMB: 1 [1 - **4**] - small Soppo: Ngam, V.N.: ROM: 9 [9 - **9**] - small Soppo forest: Ngam, V.N.: ROM: 1 [1 - **1**] - Sou Mou River: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Soumo River: Peterson, Randolph L.: ROM: 3 [3 - **3**] - Soumou River: Peterson, Randolph L.: ROM: 2 [2]; Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: ROM: 1 [1 - **3**] - Tibati: : BMNH: 1 [1]; Peterson, Randolph L.: ROM: 36 [36 - **37**] - Tombel: : BMNH: 1 [1]; Jones, Theo Simpson: ROM: 4 [4 - **5**] - Victoria: : BMNH: 2 [2]; Böttcher: ZMB: 1 [1]; Glen, Robert M.: ROM: 1 [1]; Hesselbarth: ZMB: 1 [1]; Krone: ZMB: 1 [1]; Preuss, P.: ZMB: 33 [33]; Strunck: ZMB: 2 [2 - **41**] - village dump: Ngam, V.N.: ROM: 1 [1 - **1**] - Waza: ?: Collector Unknown: MNHN: 1 [1]; Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 32 [32 - **33**] - West Cameroon: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Yagoua:

Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 1 [1 - **1**] - Yaounde: : ZMB: 1 [1]; Carnap-Querheimb: ZMB: 1 [1]; Haberer: ZMB: 4 [4]; Prévost, J.: MNHN: 37 [37]; Zenker, Georg August: ZMB: 5 [5 - **48**] - Yaoundé: ?: Collector Unknown: MNHN: 14 [14 - **14**] - Yaoundé, 150 km from, on Yoko road: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Yokadouma, near: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Yoko, 34 km S: ?: Collector Unknown: ROM: 1 [1]; Peterson, Randolph L.: ROM: 3 [3 - **4**] - Yoko, 5 km from: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Yoko, 5 km S: ?: Collector Unknown: MNHN: 1 [1]; Prévost, J.: MNHN: 3 [3 - **4** - **1506**].

Canary Islands (Spain): Unknown locality: ?: Collector Unknown: BMNH: 11 [11 - **11**] - La Palma: Tomes Collection, The: BMNH: 1 [1 - **1**] - Reserva Los Tilos: ?: Collector Unknown: EBD: 1 [1 - **1** - **13**].

Cape Verde: Fogo isalnd: ?: Collector Unknown: BMNH: 2, MZUF: 2 [4 - **4**] - Maio Island: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Pedra Badejo: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Santiago island, Trindade: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Santo Antão island, Ribeira Grande: ?: Collector Unknown: MZUF: 2 [2 - **2**] - São Vicente island: ?: Collector Unknown: MZUF: 3 [3 - **3**] - St. Filippe: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Vila do Maio, 2 km N: ?: Collector Unknown: MNHN: 1 [1 - **1** - **17**].

Central African Republic: Unknown locality: ?: Collector Unknown: BMNH: 13, MNHN: 9 [22 - **22**] - Bambari: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Bamingui-Bangoran National Park: Spinage, C.A.: BMNH: 2 [2 - **2**] - Bangassou: Robbins, Lynn W.: CM: 5 [5 - **5**] - Bangoran: ?: Collector Unknown: MNHN: 34 [34 - **34**] - Bangui: ?: Collector Unknown: MNHN: 482 [482]; : LACM: 1 [1]; Chippaux, A.: MNHN: 3 [3]; Institut Pasteur, l': MNHN: 1 [1]; Landau, Irène; Chabaud, Alain Gabriel: MNHN: 1 [1 - **488**] - Bangui area: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bangui or Boukoko: ?: Collector Unknown: MNHN: 37 [37 - **37**] - Bolé cave: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Boukoko: ?: Collector Unknown: MNHN: 76 [76]; Pujol, Raymond: MNHN: 1 [1 - **77**] - Boukoko or La Maboké: ?: Collector Unknown: MNHN: 139 [139 - **139**] - Bozo: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Buar: Tessmann: ZMB: 1 [1 - **1**] - Dzanga-Sangha Forest Reserve: ?: Collector Unknown: AMNH: 1, MNHN: 1 [2 - **2**] - Fort Lamy province: Barton, Otis J.: AMNH: 1 [1 - **1**] - Gordil: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Gounda: ?: Collector Unknown: MNHN: 8 [8 - **8**] - Kemo, Upper: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kodou: Baudon, A.: AMNH: 3 [3 - **3**] - Koumbala: ?: Collector Unknown: MNHN: 39 [39 - **39**] - La Landjia: Gillet, Hubert: MNHN: 1 [1 - **1**] - La Maboké: ?: Collector Unknown: LER: 1, MNHN: 135 [136]; Landau, Irène; Chabaud, Alain Gabriel: MNHN: 1 [1]; Pujol, Raymond: MNHN: 3 [3 - **140**] - La Maboké area: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Loango: Baudon, A.: AMNH: 2 [2 - **2**] - Manovo: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Mbaéré-Bodingué Reserve: ?: Collector Unknown: MNHN: 1 [1 - **1**] - M'Baiki: ?: Collector Unknown: MNHN: 4 [4]; Pujol, Raymond: HNHM: 1 [1]; Robbins, Lynn W.: CM: 3 [3 - **8**] - N'Delé: ?: Collector Unknown: MNHN: 1 [1 - **1**] - N'Délé: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Ngotto forest: ?: Collector Unknown: Rennes: 1 [1 - **1**] - Njia: Houy: ZMB: 1 [1 - **1**] - Nola: Barton, Otis J.: AMNH: 1 [1 - **1**] - Nola region: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Nzouani-Muya cave: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Oubangui, Upper: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ouham, near: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Roubi River banks: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Salo: Barton, Otis J.: AMNH: 2 [2 - **2**] - Sangha: ?: Collector Unknown: MNHN: 92 [92 - **92**] - Uam: Tessmann: ZMB: 8 [8 - **8**] - Zouari-Muyo cave: ?: Collector Unknown: MNHN: 3 [3 - **3** - **1149**].

Chad: Unknown locality: ?: Collector Unknown: BMNH: 2, SMF: 3 [5 - **5**] - Ennedi: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Fort Archambault: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Fort Archambault, 30 mi [=48 km]N: Carter, T. Donald: AMNH: 2 [2 - **2**] - Fort Lamy: ?: Collector Unknown: MNHN: 9 [9]; Malbrant, René: USNM: 5 [5 - **14**] - Goré: Houy; Lagone; Grenz: ZMB: 1 [1 - **1**] - Guidari: Weber, W.: USNM: 2 [2 - **2**] - Korkoru [=Korkoro ?]: von Erlanger, C.: ZMB: 1 [1 - **1**] - Kyabe: Barton, Otis J.: AMNH: 1 [1 - **1**] - Lake Lere: Carter, T. Donald: AMNH: 4 [4 - **4**] - Melfi: : SMF: 1 [1]; Meckelenburg, Adolf Fritz z.: ZMH: 1 [1 - **2**] - N'Djamena: ?: Collector Unknown: MNHN: 4 [4]; Malbrant, René: USNM: 2 [2 - **6**] - Sarh: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Zamia: Poutrin, Léon: MNHN: 1 [1 - **1** - **45**].

Comoros: Unknown locality: ?: Collector Unknown: FMNH: 3, MNHN: 2 [5]; Clark, K.M.: AMNH: 2 [2]; Frank: RMNH: 1 [1]; Goodman, Steven M.: FMNH: 9 [9 - **17**] - along Mroni Koki River: : MHNG: 1 [1 - **1**] - Anjouan Island: ?: Collector Unknown: FMNH: 1, MHNG: 1, MNHN: 8, ZMB: 1 [11]; : BMNH: 7 [7]; Barrow, J.: BMNH: 1 [1]; Clark, K.M.: AMNH: 7 [7]; Deloye, M.: BMNH: 2 [2]; Frank: BMNH: 2, RMNH: 2, ZMB: 1 [5]; Hildebrandt, Johann Maria: ZMB: 3 [3]; Humblot, Léon: MNHN: 4 [4]; Humboldt, Friedrich Wilhelm Heinrich Alexander: ZMB: 1 [1]; Livingstone, David: BMNH: 2 [2]; Peters, Wilhelm Carl Hartwig: ZMB: 2 [2]; Poulay: NMW: 2 [2]; Voeltzkow, Alfred: ZMB: 7 [7 - **54**] - Bambao: Voeltzkow, Alfred: ZMB: 1 [1 - **1**] - between Moya and Pomoni, Bouélaouvanga Tunnel along RN 23: : FMNH: 1 [1 - **1**] - Boboni, cave near: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - Comoro Islands: Hildebrandt, Johann Maria: ZMB: 1 [1]; Voeltzkow, Alfred: ZMB: 1 [1 - **2**] - couloir souterrain et grotte sous coulée de Lave Niombadjée: : HZM: 2 [2 - **2**] - Fassi: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Grand Comoro Island: ?: Collector Unknown: BMNH: 1 [1]; Clark, K.M.: AMNH: 69 [69]; Coyler, F.: BMNH: 1 [1]; Humblot, Léon: MNHN: 2 [2]; Kirk, John: BMNH: 2 [2]; Voeltzkow, Alfred: ZMB: 4 [4 - **79**] - Grande Comore: Humblot, Léon: MNHN: 6 [6 - **6**] - Johanna Island [=Anjouan Island]: Frank: ZMB: 1 [1]; Mason, G.E.: ZMB: 1 [1 - **2**] - Moheli Island: Clark, K.M.: AMNH: 11 [11]; Kirk, John: BMNH: 1 [1 - **12**] - Nioumbadjou cave: ?: Collector Unknown: MNHN: 5 [5]; : MNHN: 5 [5 - **10**] - no specific locality: ?: Collector Unknown: BMNH: 3 [3 - **3**] - Panga Chilamoviani, cave: ?: Collector Unknown: EBD: 2 [2 - **2**] - Union des Comores: ?: Collector Unknown: FMNH: 8 [8 - **8** - **203**].

Congo: Unknown locality: ?: Collector Unknown: MHNG: 1, MNHN: 2, SMF: 198 [201]; Adam, Jean-Paul: MNHN: 1 [1]; Ballay: MNHN: 1 [1]; Bentley, M.: HNHM: 1 [1]; Bergmans, Wim: ZMA: 1 [1]; Bouillon, A.: RMNH: 5 [5]; de Brazza, Pierre Paul François Camille Savorgnan: MNHN: 4 [4]; Kambamba, B.: ZMA: 1 [1]; Laarman, J.J.: RMNH: 1 [1 - **216**] - Boulankio: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Brazzaville: ?: Collector Unknown: MNHN: 51 [51]; Maclatchy, Alain; Malbrant, René: AMNH: 2 [2 - **53**] - Dimonika: ?: Collector Unknown: MNHN: 43, UMNG: 7 [50]; Thollon: MNHN: 1 [1 - **51**] - Doumboula [cave]: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Ewo: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1**] - Grotte de Kimanika: Adam, Jean-Paul: HNHM: 1 [1 - **1**] - Grotte du Viaduc: Adam, Jean-Paul: MNHN: 1 [1 - **1**] - Inhumbane: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Kango: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1**] - Kimanika: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Kimanika cave: ?: Collector Unknown: MNHN: 10 [10 - **10**] - Majumba: ?: Collector Unknown: MNHN: 3 [3]; Petit, F.: MNHN: 1 [1 - **4**] - Matounidi cave: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Maya cave: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Mbamou Island: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Mboko: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Meya: Endrödy-Younga, Sebastian: HNHM: 1 [1 - **1**] - Méya cave: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Meya-Nzouari,cave: ?: Collector Unknown: MNHN: 10 [10]; Adam, Jean-Paul: HNHM: 1 [1 - **11**] - Mossake: Beatty, Harry A.: FMNH: 1 [1 - **1**] - OdzalaNational Park: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Oubangi: Othegraven: ZMB: 1 [1 - **1**] - Pointe-Noire: : ZMA: 1 [1 - **1**] - Sibiti: ?: Collector Unknown: MNHN: 12 [12 - **12**] - Stanley pool: ?: Collector Unknown: MNHN: 10 [10 - **10**] - Tschiloango [=Tchilounga]: Ansorge, William John: ZMB: 1 [1 - **1** - **402**].

Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: BMNH: 54, MNHN: 2, RBINS: 13, RMNH: 1, UNIKIS: 58 [128]; Alexander-Gosling Expedition, The: BMNH: 1 [1]; Anciaux de Faveaux, Félix / Michel: RMCA: 6 [6]; Betu Nsankulu: RMCA: 1 [1]; Christy, Cuthbert: RMCA: 1 [1]; De Roo, Antoon Emeric Marcel: RMCA: 14 [14]; De Semeries: RMCA: 1 [1]; Dyleff, P.: RMCA: 2 [2]; Fain, Alexandre: RMCA: 7 [7]; Gembu Tungaluna, Guy-Crispin: RMCA: 33 [33]; Hesse, P.: SMF: 17 [17]; Jans, E.: RMCA: 6 [6]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 6 [6]; Leonet: RMCA: 1 [1]; Musaba Akawa, Prescott: RMCA: 5 [5]; N'Kele: RMCA: 1 [1]; Prigogine, Alexandre: RMCA: 1 [1]; Rahm, Uwe: RMCA: 1 [1]; Schouteden, Henri: RMCA: 1 [1]; Schwetz: RMCA: 2 [2]; Stephan, Heinz: RMCA: 17 [17]; Tshinyenye: RMCA: 3 [3 - **255**] - 40 mi [=64 km] SW Irumu: de Walden, Howard: BMNH: 1 [1 - **1**] - Aba: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - Abatupi river: ?: Collector Unknown: INPBC: 12 [12 - **12**] - Abialosa river: Verschuren, Jacques: INPBC: 1 [1 - **1**] - Albert National Park: ?: Collector Unknown: INPBC: 38 [38]; de Witte, Gaston-François: RMCA: 2 [2 - **40**] - Albertville: ?: Collector Unknown: RBINS: 1 [1]; Bomans, H.: RMCA: 14 [14]; De Roo, Antoon Emeric Marcel: RMCA: 2 [2]; Hecq, Célestin: RMCA: 3 [3]; Royal Museum of Central Africa (RMCA), The: BMNH: 1 [1]; service hygiene publique albertville: RMCA: 2 [2 - **23**] - Amangundu: Verschuren, Jacques: INPBC: 1 [1 - **1**] - Amatupi river: ?: Collector Unknown: INPBC: 1 [1]; Verschuren, Jacques: INPBC: 1 [1 - **2**] - Arebi Bondo Mabe: Schouteden, Henri: RMCA: 2 [2 - **2**] - Avakubi: : NMW: 1 [1]; Christy, Cuthbert: BMNH: 1, RMCA: 1 [2 - **3**] - Bagbele: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Bagbele Moko: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Bagunda: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Baliko: Gembu Tungaluna, Guy-Crispin: RMCA: 12 [12 - **12**] - Bambesa: Bredo, H.J.: RMCA: 1 [1 - **1**] - Banana: Hesse, P.: SMF: 5 [5]; Schwetz: RMCA: 2 [2]; Weyns: RMCA: 3 [3 - **10**] - Banana or Netonna: Hesse, P.: SMF: 3 [3 - **3**] - Banjan caves: Schwetz: RMCA: 1 [1 - **1**] - Baraka: Belgian Hydrobiological Expedition to Tanganyika, the: BMNH: 3 [3]; Grauer, Rudolf: ZMB: 1 [1 - **4**] - Bas Congo: Cabra, Alphonse: RMCA: 6 [6]; Richard: RMCA: 1 [1 - **7**] - Bata: Pobéguin, Charles-Henri: MNHN: 1 [1 - **1**] - Bauelendu: ?: Collector Unknown: INPBC: 2 [2 - **2**] - Baya caves: Anciaux de Faveaux, Félix / Michel: MNHN: 3 [3 - **3**] - Beni: Bonnevie: RMCA: 6 [6]; Grauer, Rudolf: NMW: 1 [1]; Lisfranc: RMCA: 2 [2 - **9**] - Beno: Bayet, P.: BMNH: 1, RMCA: 7 [8]; Royal Museum of Central Africa (RMCA), The: BMNH: 2 [2 - **10**] - Biangolo: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Binga: Van den Put: RMCA: 1 [1 - **1**] - Bitshumbi: de Witte, Gaston-François: RMCA: 5 [5 - **5**] - Boende: Lootens, P.: RMCA: 8 [8]; Wynants, R.P.: RMCA: 1 [1 - **9**] - Bokala: Maes: RMCA: 1 [1 - **1**] - Bokoro: Jans, E.: RMCA: 4 [4 - **4**] - Bokuma: Lootens, P.: RMCA: 19 [19 - **19**] - Bokungu: Dupuis, L.: RMCA: 8 [8 - **8**] - Bolobo: Ngwe: RMCA: 5 [5]; N'Kele: RMCA: 15 [15]; Royal Museum of Central Africa (RMCA), The: BMNH: 2 [2 - **22**] - Boma: Barthélemy: RMCA: 1 [1]; Colsoulle: RMCA: 54 [54]; Dartevelle: RMCA: 14 [14]; Gerard: RMCA: 1 [1]; Institute of Tropical Medicine "Prince Leopold": RMCA: 6 [6]; Rodhain, J.: RMCA: 7 [7]; Schouteden, Henri: RMCA: 1 [1]; Van Riel: RMCA: 2 [2 - **86**] - Bongandjola: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Bongeya river: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Bossafinda: Royal Museum of Central Africa (RMCA), The: BMNH: 5 [5 - **5**] - Bugara: ?: Collector Unknown: INPBC: 10 [10 - **10**] - Bukama: Brien: RMCA: 16 [16 - **16**] - Bukavu: Camerman: RMCA: 3 [3]; Vercammen, P.G.: RMCA: 2 [2]; Verschuren, Jacques: INPBC: 1 [1 - **6**] - Bulaya: ?: Collector Unknown: INPBC: 10 [10 - **10**] - Bulundu: Rahm, Uwe: BMNH: 1 [1 - **1**] - Bumali: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Bumba: Lootens, P.: RMCA: 1 [1 - **1**] - Bunia: Maristes: RMCA: 3 [3]; Putnam: RMCA: 6 [6 - **9**] - Bunyangura: ?: Collector Unknown: INPBC: 33 [33 - **33**] - Bunyenzi: ?: Collector Unknown: INPBC: 23 [23 - **23**] - Busholinka river: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Buta: Hutsebaut, Jozef: RMCA: 68 [68 - **68**] - Butembo: Dyleff, P.: RMCA: 73 [73]; Prigogine, Alexandre: RMCA: 7 [7 - **80**] - Bwirina: ?: Collector Unknown: INPBC: 7 [7 - **7**] - Cape Cassa Mabongo: Belgian Hydrobiological Expedition to Tanganyika, the: BMNH: 8 [8 - **8**] - Cel I: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Cel II: ?: Collector Unknown: INPBC: 10, RBINS: 1 [11 - **11**] - Congo da Lemba: Mayné: RMCA: 9 [9]; Van Bellighen, Paul: RMCA: 3 [3 - **12**] - Congo river, 75 mi up: Bates, George Latimer: USNM: 2 [2 - **2**] - Costermansville: Bomans, H.: RMCA: 1 [1]; Hautmann: RMCA: 1 [1 - **2**] - Dikul River: Neave, S.A.: BMNH: 2 [2 - **2**] - Dikulwe river: Neuve: BMNH: 1 [1 - **1**] - Dilolo: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - Djabir: Musaba Akawa, Prescott: RMCA: 7 [7 - **7**] - Djeka: Roiseux: RMCA: 3 [3 - **3**] - Djelube river, lower: ?: Collector Unknown: INPBC: 2, RBINS: 1 [3 - **3**] - Djelube river, middle: ?: Collector Unknown: INPBC: 2 [2]; Verschuren, Jacques: INPBC: 6 [6 - **8**] - Djemba: ?: Collector Unknown: INPBC: 18 [18 - **18**] - Djomba: ?: Collector Unknown: INPBC: 13 [13 - **13**] - Djumma river, upper: ?: Collector Unknown: INPBC: 1 [1]; Verschuren, Jacques: INPBC: 1 [1 - **2**] - Dumma river, middle: Verschuren, Jacques: INPBC: 1 [1 - **1**] - Dungu: ?: Collector Unknown: RBINS: 18 [18]; Hutereau, M.: RMCA: 9 [9 - **27**] - Eala: Mayné: RMCA: 1 [1]; Verlaine: RMCA: 1 [1 - **2**] - Eastern Congo: Laarman, J.J.: RMNH: 1 [1 - **1**] - Edouard,lac: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Elisabetha: Tinant: RMCA: 2 [2 - **2**] - Elisabethville: Anciaux de Faveaux, Félix / Michel: MNHN: 3 [3]; Bequaert, J.: RMCA: 1 [1]; Parent: RMCA: 1 [1]; Quarré: RMCA: 3 [3]; Richard: RMCA: 1 [1]; Seydel: RMCA: 1 [1 - **10**] - Elizabethville: Guarre: BMNH: 1 [1 - **1**] - Epulu: Bijnens, Luc: RMCA: 8 [8 - **8**] - Equateur: ?: Collector Unknown: SMF: 5 [5 - **5**] - Faradje: ?: Collector Unknown: UNIKIS: 18 [18 - **18**] - Fort Beni: Dent, R.E.: BMNH: 1 [1 - **1**] - Fuko: ?: Collector Unknown: INPBC: 4 [4 - **4**] - Gahama: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Gandu: Thierry, Gaston: ZMB: 1 [1 - **1**] - Gangala: Stephan, Heinz: RMCA: 1 [1 - **1**] - Gangala na Bodio: ?: Collector Unknown: INPBC: 1, RBINS: 2 [3 - **3**] - Garamba National Park: ?: Collector Unknown: INPBC: 1 [1]; de Saeger, H.: RMCA: 2 [2 - **3**] - Geramihasha: ?: Collector Unknown: INPBC: 1 [1 - **1**] - How…: Laarman, J.J.: RMNH: 1 [1 - **1**] - Hoyo, Mount: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Ibambi: Degotte: RMCA: 1 [1]; Reitter: RMCA: 8 [8 - **9**] - Ibembo: Hutsebaut, Jozef: RMCA: 7 [7]; Lebrun, Jean: RMCA: 1 [1]; Rodhain, J.: RMCA: 2 [2 - **10**] - Ihunga-Semliki confluence: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Ikela: ?: Collector Unknown: BMNH: 1 [1]; Lootens, P.: RMCA: 15 [15 - **16**] - Ilimba: ?: Collector Unknown: INPBC: 10 [10 - **10**] - Inangongo: Verschuren, Jacques: INPBC: 1 [1 - **1**] - Inkongo: : BMNH: 1 [1]; Wilson, H.: BMNH: 1 [1 - **2**] - Irangi: : SMF: 1 [1]; Fain, Alexandre: BMNH: 1 [1]; Rahm, Uwe: BMNH: 1 [1]; Stephan, Heinz: SMF: 1 [1 - **4**] - Irebu: Camp, J.: USNM: 2 [2 - **2**] - Iringi: Lindeman, A. or G.: RMCA: 2 [2 - **2**] - Irsac labo: Andersen, Th.: ZFMK: 1 [1]; Bredo, H.J.: ZFMK: 2 [2 - **3**] - Irumu: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Irumu, 25 km W: Pierrard: RMCA: 1 [1 - **1**] - Irumu, 40 mi [=64 km] SW: de Walden, Howard: BMNH: 7 [7 - **7**] - Isai River: Gallagher, Michael D.: HZM: 1 [1 - **1**] - Isato: Henrion, A.: RBINS: 1 [1 - **1**] - Ishango river: ?: Collector Unknown: INPBC: 148 [148]; Verschuren, Jacques: INPBC: 1 [1 - **149**] - Ishango-Nyakazi: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Issehe river: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Ituri Forest: : BMNH: 1 [1]; de Walden, Howard: BMNH: 1 [1]; Dent, R.E.; Woosnam, R.B.: BMNH: 1 [1 - **3**] - Ituri ht: Christy, Cuthbert: RMCA: 1 [1 - **1**] - Ituri River: : BMNH: 3 [3]; de Walden, Howard: BMNH: 1 [1 - **4**] - Jiba Risasi: Fain, Alexandre: BMNH: 1 [1 - **1**] - Kabakuli river: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Kabalo: Schouteden, Henri: RMCA: 13 [13 - **13**] - Kabambi: ?: Collector Unknown: INPBC: 4 [4 - **4**] - Kabatibi Cave: Cambridge East Africa Expedition 1959, The: BMNH: 4 [4 - **4**] - Kabemba: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Kabongo: Dierckx, M.: RMCA: 3 [3]; Royal Museum of Central Africa (RMCA), The: BMNH: 1 [1 - **4**] - Kaboyaboya cave: ?: Collector Unknown: MHNG: 1 [1 - **1**] - Kadehe: ?: Collector Unknown: INPBC: 19 [19 - **19**] - Kadjidji: ?: Collector Unknown: MNHN: 1 [1]; Babault, Guy: MNHN: 15 [15 - **16**] - Kadjudju: Babault, Guy: RMCA: 9 [9 - **9**] - Kahama: ?: Collector Unknown: INPBC: 15 [15 - **15**] - Kakanda cave: de Caters, Th.: BMNH: 1 [1]; Royal Museum of Central Africa (RMCA), The: BMNH:

1 [1 - **2**] - Kakondo: ?: Collector Unknown: NMP: 1 [1 - **1**] - Kakontwe: Royal Museum of Central Africa (RMCA), The: BMNH: 5 [5 - **5**] - Kakontwe cave: Poelman, L.: RMCA: 12 [12]; Royal Museum of Central Africa (RMCA), The: BMNH: 3 [3 - **15**] - Kakontwé caves: Anciaux de Faveaux, Félix / Michel: MNHN: 1 [1 - **1**] - Kalehe territory: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Kalenda [Kasai]: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Kalina: Dartevelle: RMCA: 1 [1]; Deheyn, Jean Jacques: RMCA: 2 [2]; Theunissen: RMCA: 6 [6 - **9**] - Kalonge: de Witte, Gaston-François: RBINS: 2 [2 - **2**] - Kalulako: Anciaux de Faveaux, Félix / Michel: MNHN: 1 [1 - **1**] - Kamande: ?: Collector Unknown: INPBC: 1 [1]; Verschuren, Jacques: INPBC: 1 [1 - **2**] - Kambemba: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Kambukabakali: ?: Collector Unknown: INPBC: 19 [19 - **19**] - Kamikoni: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Kamohorora: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Kando, cave: ?: Collector Unknown: MHNG: 1 [1 - **1**] - Kaniama: Vachaudez: RMCA: 1 [1 - **1**] - Kantundwe: ?: Collector Unknown: INPBC: 31 [31 - **31**] - Kanyatsi: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Kanyawamukunzi river: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Kanzarue river: ?: Collector Unknown: INPBC: 9 [9 - **9**] - Kanzenze mission: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Kapanga: Allaer, J.: RMCA: 1 [1 - **1**] - Kapolowe: De Smet: RMCA: 2 [2 - **2**] - Karawa: Wallin, R.P.: RMCA: 2 [2 - **2**] - Kasai: Betu Nsankulu: RMCA: 3 [3]; Compagnie du Kassai, La: RMCA: 9 [9 - **12**] - Kasai, eastern: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Kasaji: Fisher: RMCA: 1 [1]; Fisher, W.S.: CM: 1 [1 - **2**] - Kasaji Malonga: Fisher: RMCA: 1 [1 - **1**] - Kasaka: ?: Collector Unknown: INPBC: 1 [1]; Stuhlmann, Franz Ludwig: ZMB: 2 [2]; Vanderborght: RMCA: 1 [1 - **4**] - Kasenyi: ?: Collector Unknown: INPBC: 1 [1]; Hiernaux, Jean: RMCA: 1 [1 - **2**] - Kashwa: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Kasindi: ?: Collector Unknown: INPBC: 3 [3]; Schubolz, H.: ZMB: 1 [1 - **4**] - Kasongo: Van Delft: RMCA: 1 [1 - **1**] - Kassi river: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Katana: ?: Collector Unknown: MNHN: 2 [2]; Laarman, J.J.: RMNH: 10 [10 - **12**] - Katanda: ?: Collector Unknown: INPBC: 6 [6 - **6**] - Katanga: Anciaux de Faveaux, Félix / Michel: MNHN: 4 [4]; Lemaire, Charles: RMCA: 10 [10]; Pilette, André: RMCA: 4 [4]; soeur de notre dame de Bethanie: RMCA: 1 [1 - **19**] - Katanga, near: Anciaux de Faveaux, Félix / Michel: MNHN: 1 [1 - **1**] - Kavuaya: Kimbembi-ma-Ibaka, A.: RMCA: 2 [2 - **2**] - Keseki: N'Kele: RMCA: 3 [3 - **3**] - Keyberg: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Kiambi: Gerard: RMCA: 2 [2 - **2**] - Kiavikire: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Kikanda: Anciaux de Faveaux, Félix / Michel: MNHN: 1 [1 - **1**] - Kikura: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Kikwit: ?: Collector Unknown: TM: 20 [20]; : TM: 3 [3]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 1 [1 - **24**] - Kilia Kaparata: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Kilinga: ?: Collector Unknown: INPBC: 7 [7 - **7**] - Kilo [mines]: Thelie: RMCA: 1 [1 - **1**] - Kilo mines: du Soleil: RMCA: 1 [1 - **1**] - Kilomamensa: Pilette, André: RMCA: 1 [1 - **1**] - Kimpoko: Mutashiya, Tsh: MNHN: 4 [4 - **4**] - Kimuenza cave: Fain, Alexandre: RMCA: 1 [1 - **1**] - Kindu: Grauer, Rudolf: ZMB: 1 [1 - **1**] - Kingabwa: Tshinyenye: RMCA: 1 [1 - **1**] - Kinke: Royal Museum of Central Africa (RMCA), The: BMNH: 1 [1 - **1**] - Kinshasa: Matashiya-Tshinyenye: FMNH: 1 [1 - **1**] - Kisala: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Kisangani: De Vos, Luc; Kimbembi; Vandelanoote, Alain: RMCA: 2 [2 - **2**] - Kisantu: Dumont: RMCA: 1 [1]; Vanderijst, R.P.: RMCA: 3 [3 - **4**] - Kisisile: ?: Collector Unknown: INPBC: 17 [17 - **17**] - Kitonga: Verschuren, Jacques: INPBC: 1 [1 - **1**] - Kivu: Babault, Guy: MNHN: 1 [1 - **1**] - Kivu mountains: Babault, Guy: MNHN: 2 [2 - **2**] - Kivu region: Babault, Guy: MNHN: 18 [18 - **18**] - Kivu, near: Babault, Guy: MNHN: 12 [12 - **12**] - Ko[g]enga: Royal Museum of Central Africa (RMCA), The: BMNH: 3 [3 - **3**] - Koloka: ?: Collector Unknown: ZMH: 1 [1 - **1**] - Kona: Musaba Akawa, Prescott: RMCA: 1 [1 - **1**] - Kondue: Luja: RMCA: 2 [2 - **2**] - Konyola: De Vos, Luc; Kimbembi; Vandelanoote, Alain: RMCA: 4 [4 - **4**] - Kumi: ?: Collector Unknown: RMNH: 1 [1 - **1**] - Kunungu: Ngwe: RMCA: 53 [53]; N'Kele: RMCA: 17 [17]; Schouteden, Henri: RMCA: 1 [1 - **71**] - Kyavinionge: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Lake Moero: ?: Collector Unknown: RMCA: 1 [1 - **1**] - lake Tanganyika, NW bank: Grauer, Rudolf: ZMB: 1 [1 - **1**] - Lemba plain: Van Delft: RMCA: 1 [1 - **1**] - Leopold 2nd Lake: : BMNH: 1 [1 - **1**] - Léopoldville: Babault, Guy: MNHN: 1 [1]; Camp, J.: USNM: 12 [12]; Christy, Cuthbert: BMNH: 2, RMCA: 6 [8]; De Roo, Antoon Emeric Marcel; Deheegher, Jan: RMCA: 4 [4]; Henrion, A.: RBINS: 2 [2]; Lepersonne: RMCA: 2 [2]; Schouteden, Henri: RMCA: 1 [1]; Vandenbranden: RMCA: 1 [1 - **31**] - Lesse: Bonnevie: RMCA: 1 [1 - **1**] - Lisala: Babilon: RMCA: 2 [2 - **2**] - Lofoi: Verdick, Edgar: RMCA: 1 [1 - **1**] - Lomera: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Lonzo: ?: Collector Unknown: INPBC: 14 [14 - **14**] - Lovanium university: De Bont: RMCA: 1 [1 - **1**] - Luanza mission: de Paoli: RMCA: 1 [1 - **1**] - Lubondai-Tshimbulu: Marks, S.: RMCA: 1 [1 - **1**] - Lubumbashi: Bequaert, J.: RMCA: 1 [1 - **1**] - Lufira River, upper: Neave, S.A.: BMNH: 3 [3 - **3**] - Lufu: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Luisa: Achten: RMCA: 1 [1 - **1**] - Lukatu cave: Kimbembi-ma-Ibaka, A.: RMCA: 11 [11 - **11**] - Lukoi River: Fraser, D.: BMNH: 1 [1 - **1**] - Lukolela: Ghesquière, J.: RMCA: 1 [1 - **1**] - Lula: Jobaert, A.J.: RMCA: 3 [3 - **3**] - Lulimbi: Lejeune, M.: RMCA: 1 [1 - **1**] - Luluabourg: ?: Collector Unknown: ZMB: 2 [2]; : BMNH: 4 [4]; Callewaert, Richard: BMNH: 76, RMCA: 13 [89]; Cambier: RMCA: 2 [2]; De Roo, Antoon Emeric Marcel: RMCA: 18 [18]; Deheegher, Jan: RMCA: 19 [19]; Puissant: RMCA: 1 [1 - **135**] - Lume river, near: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Luputa: Bouvier: RMCA: 1 [1 - **1**] - Lusambo: Ghesquière, J.: RMCA: 3 [3 - **3**] - Lusanga Mwanza: Dartevelle: RMCA: 14 [14 - **14**] - Lusano & KKK Zones: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Lwana River: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1**] - Lwiro: Kunkel, P.: SMF: 1 [1]; Laarman, J.J.: RMNH: 1 [1 - **2**] - Mabereri river: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Maganga: Bijnens, Luc: RMCA: 1 [1 - **1**] - Maginda: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Mahagi Port: Lepersonne: RMCA: 1 [1 - **1**] - Mahysha cave: Fain, Alexandre: RMCA: 1 [1 - **1**] - Mahyusa Cave: : BMNH: 2 [2 - **2**] - Makaw: Jans, E.: RMCA: 4 [4 - **4**] - Makayova river: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Makayova river, lower: ?: Collector Unknown: INPBC: 2 [2]; Verschuren, Jacques: INPBC: 2 [2 - **4**] - Malandje: Mechow: ZMB: 1 [1 - **1**] - Malulu: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Mambaka: Christy, Cuthbert: BMNH: 1 [1 - **1**] - Mamudioma: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Mangbwelu river: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Manono Katanga: Torfs: RMCA: 2 [2 - **2**] - Marion, lake: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Marungu: ?: Collector Unknown: NMZL: 2 [2]; Böhm, Richard: ZMB: 1 [1 - **3**] - Masako: Ifuta, Ndey B.: RMCA: 44 [44 - **44**] - Masimengo: ?: Collector Unknown: INPBC: 2 [2 - **2**] - Masombwe: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Matadi: Dartevelle: RMCA: 1 [1 - **1**] - Matale: Hautmann: RMCA: 1 [1 - **1**] - Matupi Cave: ?: Collector Unknown: INPBC: 1 [1]; Cambridge East Africa Expedition 1959, The: BMNH: 1 [1 - **2**] - Mayumbe: ?: Collector Unknown: MNHN: 1, RBINS: 1, RMCA: 2 [4]; De Pauw: RMCA: 1 [1]; Gilson, Georges: RMCA: 2 [2 - **7**] - Mbandaka: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Mbiye, island: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Mboga: : BMNH: 6 [6]; de Walden, Howard: BMNH: 9 [9]; Hayman, Robert William: BMNH: 1 [1 - **16**] - Medje: Christy, Cuthbert: BMNH: 2 [2 - **2**] - Melume: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Moba: Bomans, H.: BMNH: 1 [1 - **1**] - Moera: Grauer, Rudolf: NMW: 1 [1 - **1**] - Moliro: Lemaire, Charles: RMCA: 2 [2 - **2**] - Mongbwalu: Harford: RMCA: 4 [4]; Jordens: RMCA: 1 [1 - **5**] - Mount Hoyo: Cambridge East Africa Expedition 1959, The: BMNH: 5 [5 - **5**] - Mount Wago: ?: Collector Unknown: RBINS: 3 [3]; Fain, Alexandre: BMNH: 9, RMCA: 6 [15 - **18**] - Mpala: ?: Collector Unknown: INPBC: 2, RBINS: 2 [4 - **4**] - Mpe: Maes: RMCA: 2 [2 - **2**] - Mugongo: ?: Collector Unknown: INPBC: 2 [2 - **2**] - Mugunga, Lake: de Witte, Gaston-François: RMCA: 3 [3]; de Witte, Gaston-François; *et al.*: RBINS: 2 [2 - **5**] - Mukwande river: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Mulala: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Mulongo: Gerard: RMCA: 4 [4 - **4**] - Mulungu: Hendricks, F.L.: RMCA: 11 [11 - **11**] - Mulungwishi: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Muradingusha: Royal Museum of Central Africa (RMCA), The: BMNH: 4 [4 - **4**] - Murambi: ?: Collector Unknown: INPBC:

18 [18 - **18**] - Musanze-Djomba: ?: Collector Unknown: INPBC: 9 [9 - **9**] - Museya: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Musonge: ?: Collector Unknown: SMF: 1 [1 - **1**] - Musugeriza river: ?: Collector Unknown: INPBC: 7 [7 - **7**] - Mutsora: ?: Collector Unknown: INPBC: 11 [11 - **11**] - Mutwanga: ?: Collector Unknown: INPBC: 1 [1]; Van Hoof: RMCA: 1 [1 - **2**] - Muvo, mount: ?: Collector Unknown: INPBC: 5 [5 - **5**] - Muyrimbo: ?: Collector Unknown: INPBC: 35 [35 - **35**] - Mwera: de Caters, Th.: RMCA: 1 [1 - **1**] - Mwiga: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Nagero: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Nakpanga: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Nambiliki / Dungu: ?: Collector Unknown: INPBC: 2 [2 - **2**] - Nasosurro River: Babault, Guy: MNHN: 1 [1 - **1**] - Ndote: ?: Collector Unknown: INPBC: 2 [2 - **2**] - Ndotwe: ?: Collector Unknown: INPBC: 2 [2 - **2**] - Ndwa: Ngwe: RMCA: 2 [2 - **2**] - Né, mount: Fain, Alexandre: BMNH: 1 [1 - **1**] - Nepoko Bomili: Henrion, M.: RMCA: 2 [2 - **2**] - N'Gombe: Schouteden, Henri: RMCA: 1 [1 - **1**] - Niambasha: Rahm, Uwe: RMCA: 1 [1 - **1**] - Niam-Niam: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Nord Kivu province: Celis, M.J.; Lejeune, M.: RMCA: 1 [1 - **1**] - N'soro: : BMNH: 1 [1 - **1**] - Nyabikere: ?: Collector Unknown: INPBC: 40 [40 - **40**] - Nyabitembe river: ?: Collector Unknown: INPBC: 6 [6 - **6**] - Nzulu: de Witte, Gaston-François; *et al.*: RBINS: 2 [2 - **2**] - N'Zulu: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Ondo, lake: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Oshwe: Maes: RMCA: 16 [16 - **16**] - Pande: Romieux, Jean: MHNG: 1 [1 - **1**] - Pawa: Degotte: RMCA: 3 [3]; Dubois, Albert: RMCA: 1 [1]; Reitter: RMCA: 3 [3 - **7**] - Pimpin cave: Royal Museum of Central Africa (RMCA), The: BMNH: 2 [2 - **2**] - Poko: Christy, Cuthbert: BMNH: 2 [2 - **2**] - Pweto: Gerard: RMCA: 2 [2 - **2**] - Rodahira: ?: Collector Unknown: INPBC: 13 [13 - **13**] - Ruanoli-Mavea confluence: ?: Collector Unknown: INPBC: 2 [2]; Verschuren, Jacques: INPBC: 4 [4 - **6**] - Rumangabo: ?: Collector Unknown: INPBC: 8 [8 - **8**] - Rumanura river: ?: Collector Unknown: INPBC: 7 [7 - **7**] - Rumoka: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Rutshuru: ?: Collector Unknown: INPBC: 462, RBINS: 1 [463]; de Witte, Gaston-François: RMCA: 2 [2]; de Witte, Gaston-François; *et al.*: RBINS: 1 [1]; Grauer, Rudolf: NMW: 1 [1]; Verschuren, Jacques: INPBC: 3 [3 - **470**] - Ruwenzori: Grauer, Rudolf; Rolle, Hermann: ZMB: 1 [1 - **1**] - Rwere Rwindi: ?: Collector Unknown: INPBC: 3 [3 - **3**] - Rwindi: ?: Collector Unknown: INPBC: 50 [50]; Verschuren, Jacques: INPBC: 1 [1 - **51**] - Sakania: Coulon: RMCA: 1 [1]; De Smet: RMCA: 10 [10]; Royal Museum of Central Africa (RMCA), The: BMNH: 3 [3 - **14**] - Saliboko: Fain, Alexandre: BMNH: 1 [1 - **1**] - Samboko river: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Semmio: Bohndorff: ZMB: 3 [3 - **3**] - Senga: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Shabunda: Braun: RMCA: 5 [5]; Rahm, Uwe: BMNH: 1 [1 - **6**] - Sinda river: Verschuren, Jacques: INPBC: 3 [3 - **3**] - Sombe: Lademann: ZMB: 1 [1 - **1**] - St Joseph mission: Callewaert, Richard: BMNH: 1 [1 - **1**] - St. Jos: Callewaert, Richard: AMNH: 2 [2 - **2**] - St[uri] Forest [=Ituri Forest?]: Ruwenzori Expedition, The: BMNH: 2 [2 - **2**] - Stanleyville: Christy, Cuthbert: BMNH: 1, RMCA: 2 [3]; Collart: RMCA: 1 [1]; Schwetz: RMCA: 1 [1]; Weyns: RMCA: 10 [10 - **15**] - Sukisa: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Taere river: ?: Collector Unknown: INPBC: 1 [1 - **1**] - Talatala: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Tamba Tamba cave b 12: Royal Museum of Central Africa (RMCA), The: BMNH: 2 [2 - **2**] - Tanganyika: Hecq, Célestin: RMCA: 1 [1 - **1**] - Tanganyika, Congo shore of lake: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Tantara cave: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Tembwe: Schouteden, Henri: RMCA: 3 [3 - **3**] - Thysville: De Roo, Antoon Emeric Marcel: RMCA: 1 [1]; Royal Museum of Central Africa (RMCA), The: BMNH: 11 [11 - **12**] - Thysville, cave: Golenvaux: RMCA: 1 [1]; Schwetz: RMCA: 2 [2 - **3**] - Tingasi: Emin Pascha / Pasha / Bey: BMNH: 1 [1 - **1**] - Tore: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Tshebahu: ?: Collector Unknown: INPBC: 2 [2 - **2**] - Tshoppo Falls: Christy, Cuthbert: RMCA: 1 [1 - **1**] - Tumbwe: Verschuren, Jacques: INPBC: 1 [1 - **1**] - Uele: Antwerp Zoo, The: RMCA: 1 [1]; Hutereau, M.: RMCA: 1 [1 - **2**] - Ukaika: Grauer, Rudolf: NMW: 5 [5 - **5**] - Umangi: de la Kethulle de Ryhove, Charles: RMCA: 6 [6 - **6**] - Upper Congo: Carruthers, Alexander Douglas Mitchell: BMNH: 16 [16 - **16**] - Usambiers: Pasha, Emin: BMNH: 1 [1 - **1**] - Uvira: Grauer, Rudolf: NMW: 2, ZMB: 4 [6]; Leleup, Narcisse: RMCA: 6 [6]; Marlier, Georges: RMCA: 3 [3]; Schmitt, Waldo LaSalle; Baker, E.: USNM: 2 [2 - **17**] - Vaku: Vleeschouwers, C.: RMCA: 3 [3 - **3**] - Vankerkhovenville: Alexander-Gosling Expedition, The: BMNH: 1 [1 - **1**] - Virunga National Park: Verschuren, Jacques: INPBC: 10, RBINS: 1 [11 - **11**] - Vitshumbi: ?: Collector Unknown: RBINS: 3 [3]; de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **4**] - Volcan du Kivu: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Wafanya: Lootens, P.: RMCA: 35 [35 - **35**] - Wago: Fain, Alexandre: RMCA: 3 [3 - **3**] - Wasa: Fain, Alexandre: RMCA: 1 [1 - **1**] - Wasa Wago Forest: Fain, Alexandre: BMNH: 3 [3 - **3**] - Yaengo: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Yalosemba: ?: Collector Unknown: CM: 3 [3 - **3**] - Yatolema: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Yema: Cabra, Alphonse: RMCA: 1 [1 - **1**] - Yoko: ?: Collector Unknown: MNHN: 5, UNIKIS: 4 [9]; Musaba Akawa, Prescott: RMCA: 6 [6 - **15**] - Zambi: Derscheid, J.M.: RMCA: 4 [4]; Lepez: RMCA: 1 [1]; Van Saceghem, R.: RMCA: 4 [4 - **9**] - Zemio: : RBINS: 1 [1 - **1**] - Zobia: ?: Collector Unknown: RBINS: 13 [13 - **13** - **3156**].

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: BMNH: 2, HZM: 2, MHNG: 1, MNHN: 105, ORSTOM: 10, SMF: 20, USNM: 7 [147]; Lamotte, M.: MNHN: 1 [1]; ORSTOM: RMCA: 101 [101]; Thomas, D.: ROM: 3 [3]; Verheyen, Walter N.: RMCA: 1 [1]; Vissault, Jacques: ZMA: 2 [2 - **255**] - "piste de Lamtu": Vuattoux, René: MNHN: 1 [1 - **1**] - Abengourou: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Abidjan: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Adiopodoumé: ?: Collector Unknown: MNHN: 25 [25]; Bellier, Louis: RMCA: 4 [4]; Doucet, J.: MHNG: 1 [1]; ORSTOM: RMCA: 1 [1]; Robbins, Lynn W.: AMNH: 2 [2]; Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 27 [27]; Vissault, Jacques: ZMA: 3, ZMB: 1 [4 - **64**] - Assinie: ?: Collector Unknown: MNHN: 8 [8 - **8**] - Azagny National Park: ?: Collector Unknown: MNHN: 10 [10 - **10**] - Banco Forest: : USNM: 5 [5 - **5**] - Bingerville: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Blodi: ORSTOM: RMCA: 2 [2 - **2**] - Bolo: ?: Collector Unknown: MNHN: 5, ORSTOM: 11 [16]; Vissault, Jacques: ZMA: 7 [7 - **23**] - Bouaké: ?: Collector Unknown: MNHN: 1 [1]; Robbins, Lynn W.: AMNH: 1 [1 - **2**] - Bouna: : USNM: 1 [1]; McIntyre, T.J.: USNM: 3 [3]; Robbins, Lynn W.: USNM: 3 [3 - **7**] - Divo: ?: Collector Unknown: MNHN: 13 [13 - **13**] - Duekoué: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Duékoué: : USNM: 1, ZMA: 1 [2]; ORSTOM: RMCA: 13 [13 - **15**] - Fetekro: : USNM: 1 [1 - **1**] - Gboyo village: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Gopoupleu: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Guéboua: ORSTOM: RMCA: 3 [3 - **3**] - Guidéko: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ivory Coast: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Jackeville-Bingerville: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Japo Sud: : USNM: 1 [1 - **1**] - Kahin: : USNM: 1 [1 - **1**] - Konankoffikro: ?: Collector Unknown: MNHN: 6, ORSTOM: 14 [20 - **20**] - Kong: LeDuc, James W.: USNM: 1 [1 - **1**] - Kpaboko: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Lamto: ?: Collector Unknown: HZM: 1 [1]; Bellier, Louis: ZMA: 6 [6]; LeDuc, James W.; Robbins, Lynn W.: USNM: 4 [4]; ORSTOM: ZMA: 4 [4]; Vissault, Jacques: ZMA: 14 [14 - **29**] - Lamto Ecology Station: ?: Collector Unknown: MNHN: 102, ORSTOM: 1 [103]; Bellier, Louis: ZMB: 1 [1 - **104**] - Lamto Reserve: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Lamto, 3 km from: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Matonguiné: Vissault, Jacques: ZMA: 2 [2 - **2**] - Mount Nimba: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Niébé: LeDuc, James W.; Robbins, Lynn W.: USNM: 3 [3 - **3**] - Ouangofétini: Thomas, D.: ROM: 7 [7 - **7**] - Pakobo: ?: Collector Unknown: MNHN: 6 [6 - **6**] - Parc National de Mont Peko: ?: Collector Unknown: ROM: 1 [1 - **1**] - Parc National de Tai: ?: Collector Unknown: ROM: 1 [1 - **1**] - Pelotes: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Sassandra River: : USNM: 11 [11]; Robbins, Lynn W.: ZMA: 2 [2 - **13**] - Sibabli: : ROM: 2 [2 - **2**] - Toumodi, 5 km SE: Robbins, Lynn W.: AMNH: 14 [14 - **14**] - Tule: : USNM: 1 [1 - **1**] - Yabrasso: : USNM: 1 [1 - **1**] - Yapo-Sud: LeDuc, James W.: USNM: 3 [3 - **3**] - Zebé or Zégbé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **641**].

Djibouti: Unknown locality: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Ambouli State Gardens: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Djibouti: Revoil: MCZ: 1 [1 - **1**] - no specific locality: Biedermann: ZMB: 1 [1 - **1**] - Obock: ?: Collector Unknown: MNHN: 5 [5]; Jousseaume: MNHN: 1 [1 - **6**] - Somali française: ?: Collector Unknown: MNHN: 1 [1 - **1** - **13**].

Egypt: Unknown locality: ?: Collector Unknown: BMNH: 259, HNHM: 1, MNHN: 17, OMNH: 4, RMNH: 21, SAMA: 1, SMF: 14, SMTD: 1, WAM: 2, YPM: 7, ZMA: 1, ZMB: 2 [330]; : SMF: 9, SMNS: 4, ZMH: 1 [14]; Anderson, John: MCZ: 1 [1]; Bennwarth: SMF: 1 [1]; Brongersma, Leo Daniel: RMNH: 1 [1]; Christie, J.: BMNH: 2 [2]; Clot, Antoine Barthélémy: RMNH: 2 [2]; de Selys-Longschamps, Edmond: RBINS: 1 [1]; Dobson, George Edward: BMNH: 1 [1]; Doria, Giacomo: ZMB: 6 [6]; Effeld: ZMB: 8 [8]; Ehrenberg, Christian Gottfried: ZMB: 1 [1]; Fritsch: ZMB: 1 [1]; Geoffroy-Saint-Hilaire, Etienne: RMNH: 1 [1]; Hemprich, Friedrich Wilhelm: RMNH: 1 [1]; Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: ZMB: 23 [23]; Heuglin, Martin Theodor von: NMW: 1 [1]; Hoogstraal, Harry H.: FMNH: 125, USNM: 117 [242]; Lefebvre, A.: MNHN: 1 [1]; Letourneau, Charles: MNHN: 1 [1]; Michahelles, Karl: ZMB: 3 [3]; Nehring, Alfred: ZMB: 1 [1]; Pareiß: ZMB: 1 [1]; Reed, C.A.: YPM: 10 [10]; Rüppell, Wilhem Peter Edward Simon: RMNH: 6, SMF: 10 [16]; Schlieffen, Afred von: ZMB: 1 [1]; Schlüter, Wilhelm: USNM: 1 [1]; Von Heuglin, Theodor: NMW: 2 [2]; von Müller: SMNS: 1 [1]; von Sack, Gustav: ZMB: 1 [1]; Ward, Henry Augustus: MCZ: 1 [1]; Ward's Natural Sciences Estabishment, The: MCZ: 1 [1 - **678**] - "Tor Sinai": Plate: ZMB: 1 [1 - **1**] - Abu Rawash: Hoogstraal, Harry H.: FMNH: 8, USNM: 19 [27 - **27**] - Abu Rawash, 2 km N: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Abu Rihal, W of: ?: Collector Unknown: NMP: 1 [1 - **1**] - Abu Roash: : SMF: 4 [4 - **4**] - Al Bahr Al Ahmar: Klunzinger: ZMB: 2 [2 - **2**] - Assuan: Anderson, John: ZMA: 1 [1 - **1**] - Aswan: Anderson, John: BMNH: 1 [1 - **1**] - Baryeh Oasis: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Bawiti: ?: Collector Unknown: NMP: 2 [2 - **2**] - Beltim: Anderson; Anderson, John: BMNH: 1 [1 - **1**] - Bulaq: Siya, S.: BMNH: 1 [1 - **1**] - Cairo: ?: Collector Unknown: BMNH: 1, NMV: 1, SAMA: 2 [4]; : BMNH: 3, SMF: 1 [4]; Kulzer, Edwin: SMF: 4 [4]; Schlieffen, Afred von: ZMB: 3 [3]; Stuhlmann, Franz Ludwig: ZMH: 1 [1 - **16**] - Cairo, 20 km S: Beccari, Odoardo: ZMB: 1 [1]; Hornung: CAS: 1 [1]; Kistel: ZMB: 1 [1]; Schlieffen, Afred von: ZMB: 3 [3 - **6**] - Cairo, Gizeh and Theben, between: Anderson, John: BMNH: 2 [2 - **2**] - Cairo, near: Rothschild, H.: USNM: 1 [1 - **1**] - Denderah [=Dandarah]: Hartmann, von Barnim: ZMB: 6 [6]; von Barnim, Hartmann: ZMB: 1 [1 - **7**] - El A'aqab: ?: Collector Unknown: NMP: 1 [1 - **1**] - El Lisht: Hrdlicka, Aleš: FMNH: 3 [3 - **3**] - El Tur: ?: Collector Unknown: ZMB: 1 [1]; Anderson, John: BMNH: 1 [1 - **2**] - Giza: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 4 [4]; Geoffroy-Saint-Hilaire, Etienne: MNHN: 1 [1]; Hasselquist: ZMUC: 1 [1 - **7**] - Giza [=Gizeh]: Restricted from "Egypt" to Giza: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Giza Pyramid: ?: Collector Unknown: MNHN: 1 [1]; Rüppell, Wilhem Peter Edward Simon: SMF: 4 [4 - **5**] - Giza Pyramids: ?: Collector Unknown: CAS: 5 [5]; Doria, Giacomo: USNM: 1 [1]; Tomich, P. Quentin: MVZ: 1 [1]; Wells, W.; Randall, B.: USNM: 1 [1 - **8**] - Gizeh: ?: Collector Unknown: BMNH: 1, CM: 1, MCZ: 2 [4]; Bonhote, John James Lewis; Flower, Stanley Smyth: BMNH: 1 [1]; Dodson, W.: BMNH: 3 [3]; Hoogstraal, Harry H.: FMNH: 14, USNM: 6 [20]; Möhres: SMNS: 2 [2]; Nicoll, Michael John: BMNH: 1 [1 - **31**] - Gizeh pyramids: Anderson, John: BMNH: 1 [1 - **1**] - Helonan [=Helouan, Helwan]: Mook; Schneider; Basel: ZMB: 2 [2 - **2**] - Helvan [=Helwan]: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Helwân: Hoogstraal, Harry H.: FMNH: 8 [8 - **8**] - Jabal Musa: Tristram, Henry Baker J.: BMNH: 1 [1 - **1**] - Kafr Dawud: Hoogstraal, Harry H.: USNM: 5 [5 - **5**] - Karnak: Anderson, John: BMNH: 2 [2 - **2**] - Kharga Oasis, City of Deads: Hrdlicka, Aleš: USNM: 12 [12 - **12**] - Kharga Oasis, Temple of Hibis: Goodman, Steven M.: UMMZ: 1 [1 - **1**] - Khayzan: Anderson, John: BMNH: 1 [1 - **1**] - Kings graves near Deir al Bahari: Fritsch: ZMB: 1 [1 - **1**] - Kom Hamada: Hoogstraal, Harry H.: USNM: 5 [5 - **5**] - Kom O Shim: Hoogstraal, Harry H.: USNM: 2 [2 - **2**] - Kom Ombo: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Korosko: Messedaglia, Giacomo Bartolomeo: MSNG: 1 [1 - **1**] - Lisht: Hrdlicka, Aleš: USNM: 23 [23 - **23**] - Luxor: Hirst, A.S.: BMNH: 1 [1]; Rothschild, Nathanial Charles: BMNH: 2, ZMA: 1 [3 - **4**] - Luxor, near: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Maréotis lake, SW of: Letourneau, Charles: MNHN: 1 [1 - **1**] - Medinet el Fayum: Brown, R.H.: ZMA: 1 [1 - **1**] - Nile: ?: Collector Unknown: BMNH: 4, USNM: 1 [5 - **5**] - Nile Valley between Qena and Aswan: Christie, Turnbell: BMNH: 1 [1 - **1**] - no specific locality: Effeld: ZMB: 1 [1]; Lepsius: ZMB: 2 [2]; Michahelles, Karl: ZMB: 3 [3]; Pareiß: ZMB: 1 [1 - **7**] - North Egypt: Ward's Natural Sciences Estabishment, The: MCZ: 1 [1 - **1**] - Queir: Mangold-Fraas: SMNS: 1 [1 - **1**] - Saqqara: Doria, Giacomo: USNM: 1 [1]; Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: ZMB: 2 [2]; Hoogstraal, Harry H.: USNM: 8 [8 - **11**] - Sharqiya: Schrader: ZMB: 3 [3 - **3**] - Sinai: Schlüter, Wilhelm: USNM: 3 [3 - **3**] - Siwa Oasis: ?: Collector Unknown: NMP: 1 [1]; Anderson, John: BMNH: 2 [2]; Cooper, O.: BMNH: 1 [1 - **4**] - Suez: ?: Collector Unknown: HZM: 1 [1]; : SMF: 1 [1 - **2**] - Suez, Isthmus: ?: Collector Unknown: MNHN: 1 [1]; Edwards; *et al.*: MNHN: 1 [1 - **2**] - Thebe: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Thebes: ?: Collector Unknown: MNHN: 5, SAMA: 6 [11 - **11**] - Um Hashiba: ?: Collector Unknown: TAU: 1 [1 - **1**] - Upper Egypt: ?: Collector Unknown: BMNH: 1, NMW: 1 [2 - **2**] - Wadi Netroon: Wells, W.H.; Kuntz, Robert E.: OMNH: 18 [18 - **18** - **961**].

Equatorial Guinea: Unknown locality: ?: Collector Unknown: BMNH: 14, MNHN: 2 [16]; Basilio, Aurelio: RMCA: 5 [5]; Escherich: ZMB: 1 [1]; Perramon, A: RMCA: 1 [1 - **23**] - Attogondama: Escherich: ZMB: 4 [4 - **4**] - Banapa: Basilio, Aurelio: AMNH: 1 [1 - **1**] - Banlesbeni: ?: Collector Unknown: BMNH: 4 [4 - **4**] - Bata: Jones, Clyde: MSB: 1 [1 - **1**] - Benito: : BMNH: 1 [1 - **1**] - Benito River: ?: Collector Unknown: BMNH: 1 [1]; Bates, George Latimer: BMNH: 5 [5]; Guirol: MNHN: 1 [1 - **7**] - Benito River, 15 km from mouth: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Benito River, 15 mi [= 24 km] from mouth: Bates, George Latimer: BMNH: 1 [1 - **1**] - Beoken Noja [?=Noya river]: Escherich: ZMB: 1 [1 - **1**] - Bilelifri: : BMNH: 1 [1 - **1**] - Bioko Island: ?: Collector Unknown: BMNH: 2, SMF: 2 [4]; Basilio, Aurelio: AMNH: 4 [4]; Bowens, E.: BMNH: 1 [1]; Buchholz: ZMB: 1 [1]; Eidmann, H.: ZMB: 1 [1]; Eisentraut, Martin: ZFMK: 1 [1 - **12**] - Bubi Town: Seimund, E.: BMNH: 1 [1 - **1**] - Ekododo: Escherich: ZMB: 2 [2 - **2**] - Elloby: : BMNH: 1 [1 - **1**] - Fernando Po: ?: Collector Unknown: SMF: 1, ZFMK: 1 [2 - **2**] - Fernando Poo: : BMNH: 14 [14]; Bisthegy: NMW: 2 [2 - **16**] - Malabo: : EBD: 1 [1 - **1**] - Niefang: ?: Collector Unknown: EBD: 1 [1 - **1**] - Nkolentangan: Tessmann: ZMB: 2 [2 - **2**] - Nvuba river: ?: Collector Unknown: EBD: 2 [2 - **2**] - Río Muni: : EBD: 2 [2 - **2**] - Río Nocong: ?: Collector Unknown: EBD: 2 [2 - **2**] - San Benito: ?: Collector Unknown: MNHN: 1 [1 - **1**] - San Carlos: Eisentraut, Martin: ZFMK: 10 [10 - **10**] - San Joaquin de Ndyiacon: ?: Collector Unknown: EBD: 1 [1 - **1**] - Santa Isabel: : BMNH: 2 [2 - **2**] - Victoria: ?: Collector Unknown: MNHN: 1 [1 - **1** - **104**].

Eritrea: Unknown locality: ?: Collector Unknown: BMNH: 4, MCZ: 1 [5]; : USNM: 1 [1 - **6**] - Adi Kaie [= Adi Caie]: ?: Collector Unknown: MZUF: 4 [4 - **4**] - Agordat: ?: Collector Unknown: MZUF: 7 [7 - **7**] - Asmara: Gerrard, Edward: MCZ: 1 [1 - **1**] - Bogos: Heuglin, Martin Theodor von: SMNS: 1 [1 - **1**] - Bogos country: Gerrard: ZMB: 1 [1 - **1**] - Dongollo Basso: ?: Collector Unknown: MZUF: 1 [1 - **1**] - Keren: : MSNG: 1 [1]; Cecconi, G.: ZMB: 2 [2]; Heuglin, Martin Theodor von: SMNS: 2, ZMB: 1 [3 - **6**] - Massaua: Biedermann: ZMB: 2 [2]; Issel: ZMB: 1 [1 - **3**] - Massawa: : BMNH: 1 [1 - **1**] - Sciumagalle Mine: Riney, Thane H.: MVZ: 31 [31 - **31**] - Zeriba Ambarab: : MSNG: 1 [1 - **1** - **63**].

Ethiopia: Unknown locality: ?: Collector Unknown: BMNH: 680, MCZ: 2, MNHN: 5, RMNH: 1, SMF: 5, USNM: 1 [694]; Ash, John S.: USNM: 2 [2]; Great Abbai Expedition, The: BMNH: 47 [47]; Heuglin, Martin Theodor von: RMNH: 1 [1]; Kurta, Allen: MCZ: 1 [1]; Rüppell, Wilhem Peter Edward Simon: RMNH: 1 [1 - **746**] - Abaya lake, W bank: ?: Collector Unknown: MNHN: 14 [14 - **14**] - Abaya, lake: ?: Collector Unknown: MNHN: 1 [1]; von Erlanger, C.: ZMB: 3 [3 - **4**] - Abiata, Lake, E coast: Ash, John S.: USNM: 6 [6 - **6**] - Abyssinia: ?: Collector Unknown: MNHN: 7, ZMB: 2 [9]; : SMF: 1 [1]; Beccari,

Odoardo: ZMB: 1 [1]; Doria, Giacomo: ZMB: 1 [1]; Gerrard: ZMB: 1 [1]; Heuglin, Martin Theodor von: ZMB: 3 [3]; Petit; Quartier-Dillon: MNHN: 1 [1]; Roger: MNHN: 1 [1]; Rüppell, Wilhem Peter Edward Simon: RMNH: 1 [1]; Schrader: ZMB: 1 [1]; Verreaux, Jules Pierre: BMNH: 1 [1 - **21**] - Addis Ababa and Lake Rudolf, between: ?: Collector Unknown: USNM: 1 [1]; Zaphiro, Ph.C.: BMNH: 1 [1 - **2**] - Addis Abeba: ?: Collector Unknown: BMNH: 1, MNHN: 1 [2 - **2**] - Addis Alem: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Adowa: Heuglin, Martin Theodor von: SMNS: 2 [2 - **2**] - Afallo: ?: Collector Unknown: MHNG: 1 [1 - **1**] - Alemaya: ?: Collector Unknown: ROM: 8 [8 - **8**] - Anole Wells: von Erlanger, C.: ZMB: 2 [2 - **2**] - Arba Minch: Largen, M.J.: SMF: 1 [1 - **1**] - Aselle [= Aseita]: Ash, John S.: USNM: 8 [8 - **8**] - Awash: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Bahadu: Ash, John S.: USNM: 21 [21]; Largen, M.J.: BMNH: 1 [1 - **22**] - Beletta forest: ?: Collector Unknown: ZMMU: 2 [2 - **2**] - Bellegas-Thal zwischen Simehn und Woggara [=Tal des Belegaz/Belghe]: Heuglin, Martin Theodor von: NMW: 1 [1 - **1**] - between Shoa and Lake Rudolf: : BMNH: 1 [1 - **1**] - Bilo: Lundell, H.W.: BMNH: 1 [1 - **1**] - Bishan Waka Lake, E side shore: ?: Collector Unknown: BRTC: 1 [1 - **1**] - Bottego Highlands: von Erlanger, C.: ZMB: 2 [2 - **2**] - Bulcha Forest: ?: Collector Unknown: BMNH: 4 [4]; Ash, John S.: USNM: 9 [9]; Largen, M.J.: BMNH: 5 [5 - **18**] - Chamo, NE of lake: Sandhurst Ethiopia Expedition 1966, The: BMNH: 2 [2 - **2**] - Coccia: : ZMMU: 1 [1 - **1**] - Dag Island: : BMNH: 1 [1 - **1**] - Dangila: Cheesman, Robert Ernest: BMNH: 6 [6 - **6**] - Desea Forest: Benda, Petr: NMP: 1 [1 - **1**] - Didessa River: ?: Collector Unknown: BMNH: 3 [3]; : BMNH: 3 [3 - **6**] - Didessa river bridge: Largen, M.J.: BMNH: 2 [2 - **2**] - Didessa River mouth: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Didessa settlement: Ash, John S.: USNM: 1 [1 - **1**] - Dinsho: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Dire Dawa: Biedermann: ZMB: 2 [2]; Ipa; Uhlenhuth: ZMB: 3 [3]; Neumann; Uhlenhut: ZMB: 4 [4]; Uhlenhuth: ZMB: 2 [2 - **11**] - Dire Dawa, 3 km S: Ingersol, R.H.: OSU: 3 [3 - **3**] - Djem-djem Forest: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Dobleh: Delamere: BMNH: 1 [1 - **1**] - Donkam River: : BMNH: 2 [2 - **2**] - Fashodo: Schweinfurth, Georg: ZMB: 1 [1 - **1**] - Fincha River, mouth: Morris, P.; Great Abbai Expedition, the: BMNH: 2 [2 - **2**] - Galana river: Neumann: ZMB: 2 [2 - **2**] - Gambela: ?: Collector Unknown: BMNH: 22 [22]; : ZFMK: 2 [2]; Largen, M.J.: BMNH: 1 [1]; Nikolaus, Gerhard: ZFMK: 20 [20 - **45**] - Gambela Hizboch region [=Gambela region]: ?: Collector Unknown: SMF: 2 [2 - **2**] - Gambela, 15 km E: Nikolaus, Gerhard: SMNS: 2 [2 - **2**] - Garairobi Lake: Huyn, Ludwig von: ZMB: 1 [1 - **1**] - Ghinda: : MSNG: 1 [1 - **1**] - Ghinir, 10 km from: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ghinir, 7 km from: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 3 [3 - **3**] - Goba: ?: Collector Unknown: NMP: 1 [1 - **1**] - Goba, 3 mi S: : BMNH: 1 [1 - **1**] - Godare forest: Lavrenchenko, Leonid A.: ZMMU: 2 [2 - **2**] - Godjeb valley, middle: Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1**] - Gofa: Neumann: ZMB: 1 [1 - **1**] - Gondar: ?: Collector Unknown: MNHN: 3 [3]; Ward, C?: BMNH: 2 [2 - **5**] - Harar: von Erlanger, C.; Neumann: ZMB: 2 [2 - **2**] - Harle: Benda, Petr: NMP: 1 [1 - **1**] - Harrar: Felter, Pietro: MSNG: 1 [1 - **1**] - Harrena Forest: ?: Collector Unknown: NMP: 1 [1 - **1**] - Hirna: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Hirna and Deder, between: Lavrenchenko, Leonid A.: ZMMU: 2 [2 - **2**] - Kapseta: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Koffolé: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Koi area: Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1**] - Koka: ?: Collector Unknown: BMNH: 6 [6]; Ash, John S.: USNM: 19 [19]; Schlitter, Duane Albert: CM: 1 [1]; Traub, Robert: CM: 7 [7]; Traub, Robert; Ash, J.S.: CM: 5 [5 - **38**] - Korem: Benda, Petr: NMP: 1 [1 - **1**] - Kulfo river: : HZM: 3 [3 - **3**] - Lalibéla: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Langano, W coast lake: Largen, M.J.: BMNH: 1 [1 - **1**] - Let Marefia: : MSNG: 1 [1 - **1**] - Makalle: Aschemeier, Charles R.: USNM: 1 [1 - **1**] - Menagesha Forest: Benda, Petr: NMP: 3 [3 - **3**] - Metu: ?: Collector Unknown: NMP: 2 [2 - **2**] - Nechisar National Park: ?: Collector Unknown: HZM: 1 [1 - **1**] - Negheli: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Neghelli: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Omo valley: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Poi, 2 mi N: Cifelli, R.L.: USNM: 1 [1 - **1**] - Saati: Ragaeczi: AMNH: 3 [3 - **3**] - Schoa: : SMF: 2 [2 - **2**] - Sheik Hussein: von Erlanger, C.: ZMB: 2 [2 - **2**] - Sheko area: Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1**] - Shibe-Tolley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Shoa: : BMNH: 1 [1]; Harris, William Cornwallis: BMNH: 1 [1]; Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **3**] - Shoa province: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1**] - Sidam-Bale bridge: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Simien Mountains National Park: Benda, Petr: NMP: 1 [1 - **1**] - Sirba: : BMNH: 2 [2 - **2**] - Sof Omar cave: ?: Collector Unknown: HZM: 6, NMP: 8 [14]; Benda, Petr; Obuch, Ján: NMP: 11 [11]; Williams, A.E.: ROM: 1 [1 - **26**] - Sof-Omar: ?: Collector Unknown: MNHN: 9 [9 - **9**] - Sorobo: Benda, Petr: NMP: 1 [1 - **1**] - Vicinity of Addis Ababa: Imperial Ethiopian Lightway Authority, The: BMNH: 1 [1 - **1**] - Warras: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1115**].

France: Charlemont: ?: Collector Unknown: MNHN: 1 [1 - **1**] - St. Paterna: Lataste collection, The: MNHN: 1 [1 - **1** - **2**].

Gabon: Unknown locality: ?: Collector Unknown: AMNH: 1, BMNH: 9, DNSM: 1, MCZ: 2, MNHN: 2, SMF: 1, ZMA: 1 [17]; : BMNH: 1 [1]; Büttner: ZMB: 1 [1]; Hupfer: ZMB: 1 [1]; Laglaize: BMNH: 1 [1]; Mission Biologique au Gabon, La: ZMA: 1 [1]; Schilling: ZMB: 1 [1]; Schlüter, A.: ZMB: 1 [1]; Umlauff: ZMB: 1 [1]; Ward, Henry Augustus: MCZ: 1 [1 - **26**] - "Gabon": Franquet: MNHN: 1 [1 - **1**] - Anengué Lake: Roux, Francis: MNHN: 1 [1 - **1**] - Anengué, lake: ?: Collector Unknown: MNHN: 2 [2]; Roux, Francis: MNHN: 1 [1 - **3**] - Bas Ogooué: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Batouala: ?: Collector Unknown: MNHN: 16 [16 - **16**] - Batouala cave: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Batouala or Bélinga: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bélinga: ?: Collector Unknown: MNHN: 76 [76]; : ZMA: 1 [1]; Brosset, André: MNHN: 1 [1]; Chabaud, Alain Gabriel: MNHN: 7 [7]; Dragesco, Jean: ZMA: 9 [9]; Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **96**] - Bengoué: ?: Collector Unknown: MNHN: 13 [13 - **13**] - Booué: ?: Collector Unknown: MNHN: 4 [4]; : BMNH: 2 [2]; Maclatchy, Alain; Malbrant, René: MNHN: 1 [1 - **7**] - Cape Lopez: ?: Collector Unknown: USNM: 2 [2]; Buchholz: ZMB: 1 [1 - **3**] - Cette Cama: Gerard, E.; Rudd, C.D.: BMNH: 1 [1 - **1**] - CNRS Lek: Bradbury, Jack W.: CUMV: 1 [1 - **1**] - Como River: ?: Collector Unknown: MNHN: 3, ROM: 1 [4]; Bates, George Latimer: BMNH: 1 [1 - **5**] - Dongila [=Donguila]: Buchholz: ZMB: 2 [2 - **2**] - Estuaire Province: ?: Collector Unknown: CM: 1 [1 - **1**] - Fernan Vaz: : FMNH: 1 [1 - **1**] - Franceville: ?: Collector Unknown: MNHN: 2 [2]; Schwäbish; Thollon, R.: MNHN: 2 [2 - **4**] - Franceville, near: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Grotte de Faucon: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Ivindo National Park: ?: Collector Unknown: MNHN: 15 [15 - **15**] - Kango: ?: Collector Unknown: MNHN: 1 [1]; Maclatchy, Alain; Malbrant, René: AMNH: 8, MNHN: 4 [12 - **13**] - La Mouila: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Lambarene: ?: Collector Unknown: MNHN: 1 [1]; : BMNH: 1 [1]; Buchholz: ZMB: 1 [1 - **3**] - Lambaréné: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Lastoursville: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Makob: Bradbury, Jack W.: CUMV: 1 [1 - **1**] - Makokou: ?: Collector Unknown: MNHN: 29 [29]; : ZMA: 1 [1]; Chabaud, Alain Gabriel: MNHN: 1 [1]; Mission Biologique au Gabon, La: ZMA: 1 [1 - **32**] - Makokou, near: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Malimba: : SMNS: 1 [1 - **1**] - Mekouba: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Mitzic: : BMNH: 4 [4 - **4**] - Mouila: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Nehali: Ansorge, William John: BMNH: 1 [1 - **1**] - Ngomo: ?: Collector Unknown: MNHN: 1 [1 - **1**] - N'gomo-Ogooué: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ogewa: Ansorge, William John: ZMB: 2 [2 - **2**] - Ogooué, near: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Ogoue: Marche, Alfred A.: MNHN: 1 [1 - **1**] - Omboue: Aschemeier, Charles R.: USNM: 15 [15 - **15**] - Samkitta: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Sette Cama: ?: Collector Unknown: MNHN: 1 [1 - **1** - **302**].

Ghana: Unknown locality: ?: Collector Unknown: BMNH: 281, CUMV: 1, SMF: 11 [293]; Boakye, A.K.: ROM: 1 [1]; Booth, Angus H.: BMNH: 2 [2]; Dobson, George Edward: USNM: 1 [1]; MacKilligan, Arthur M.: BMNH: 1 [1]; Mensah, P.E.: ROM: 35 [35]; Nagtglas, C.J.M.: RMNH: 2 [2]; Pel, H.S.: RMNH: 5 [5]; Ralph, Clement John: MVZ: 1, ROM: 2 [3 - **343**] - Abokobi:

Reichenow, Anton: ZMB: 3 [3 - **3**] - Aburi: : BMNH: 3 [3 - **3**] - Accra: Irvine, F.R.: BMNH: 1 [1]; Reichenow, Anton: ZMB: 5 [5]; Schneider: ZMB: 3 [3]; Unger: ZMB: 6 [6 - **15**] - Accra-Kade Road: Lawler, R.S.: ROM: 1 [1 - **1**] - Achimota: : BMNH: 1 [1]; Simpson, R.: BMNH: 1 [1 - **2**] - Agogo: : BMNH: 2 [2 - **2**] - Agogo, 1 mi W: : BMNH: 1 [1 - **1**] - Aguapim: Reichenow, Anton: ZMB: 1 [1 - **1**] - Ahiriso: ?: Collector Unknown: USNM: 1 [1 - **1**] - Akeniem: Booth, Angus H.: BMNH: 3 [3 - **3**] - Akoso Mbo: : BMNH: 3 [3 - **3**] - Apesokubi, 4.5 km N: ?: Collector Unknown: SMF: 2 [2 - **2**] - Archimota: Fischer, H.: MVZ: 3 [3 - **3**] - Ash Mampong: Mensah, P.E.: ROM: 3 [3 - **3**] - Avetile: ?: Collector Unknown: USNM: 2 [2 - **2**] - Axim: Laviolette, S.: ROM: 7 [7 - **7**] - Babiana: Mensah, P.E.: ROM: 4 [4 - **4**] - Banda: : BMNH: 3 [3 - **3**] - Bechem: Mensah, P.E.: ROM: 3 [3 - **3**] - Begoro: Mohr, Richard: SMNS: 1 [1 - **1**] - Berekuso, 1 mi N: ?: Collector Unknown: USNM: 1 [1 - **1**] - Bibianaha: ?: Collector Unknown: BMNH: 3 [3]; : BMNH: 1 [1]; Spurrell, H.G.F.: BMNH: 2 [2 - **6**] - Bibiani: : BMNH: 1 [1 - **1**] - Bibiani Mines: Mensah, P.E.: ROM: 9 [9 - **9**] - Bimpong Forest Reserve: : BMNH: 1 [1 - **1**] - Bogoso: Mensah, P.E.: ROM: 4 [4 - **4**] - Bogoso Mines: Mensah, P.E.: ROM: 3 [3 - **3**] - Boi-Tano FR, cocoa plantation adjacent to forest edge: ?: Collector Unknown: ZFMK: 5 [5 - **5**] - Boi-Tano FR, reserve boundary line: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - Boti Falls: Laviolette, S.: ROM: 3 [3 - **3**] - Boutry River: ?: Collector Unknown: RMNH: 1 [1 - **1**] - Bunso: Neugebauer, P.: NMW: 1 [1 - **1**] - Busunu: Mensah, P.E.: ROM: 6 [6 - **6**] - Butre: ?: Collector Unknown: USNM: 4 [4 - **4**] - Cape Coast: : BMNH: 1 [1 - **1**] - Dadoya, 7 mi W: : BMNH: 3 [3 - **3**] - Damango Scarps: Mensah, P.E.: ROM: 6 [6 - **6**] - Damango, near: Fenton, Melville Brock; Taylor, M.E.: ROM: 1 [1 - **1**] - Damongo: Start, Anthony N.: BMNH: 1 [1 - **1**] - Dormaa Ahenkro: Sapwell, J.: BMNH: 3 [3 - **3**] - Doyum: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2**] - Draw River Forest Reserve: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - Draw River FR: ?: Collector Unknown: ZFMK: 4 [4 - **4**] - Dunkwa: ?: Collector Unknown: ROM: 1 [1 - **1**] - Elemina: Mensah, P.E.: ROM: 1 [1 - **1**] - Elmina: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Gambaga: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1 - **2**] - Gold Coast [=Goldküste]: ?: Collector Unknown: ZMB: 2 [2]; Bunting: BMNH: 1 [1]; Dobson, George Edward: USNM: 1 [1]; Finsch, Friedrich Hermann Otto: ZMB: 1 [1]; Freeman, R.A.: BMNH: 3 [3]; Pel, H.S.: ZMB: 1 [1]; Sintenis: ZMB: 4 [4 - **13**] - Greate Accra Region: ?: Collector Unknown: CM: 3 [3 - **3**] - Gukstenar: ?: Collector Unknown: BMNH: 2 [2]; : BMNH: 1 [1 - **3**] - Han, ca 25 mi SE: Fischer, R.V.: USNM: 4 [4 - **4**] - Ho: Mensah, P.E.: ROM: 6 [6 - **6**] - Impriso: Mensah, P.E.: ROM: 18 [18 - **18**] - Javiefe: : BMNH: 1 [1 - **1**] - Jukwa: : BMNH: 4 [4]; Hayward, Bruce Joliffe: USNM: 4 [4 - **8**] - Kade Agricultural Research Station: Lawler, R.S.: ROM: 2 [2 - **2**] - Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1**] - Kade, 6 mi [=9.7 km] N: ?: Collector Unknown: USNM: 1 [1 - **1**] - Kade, 6 mi [=9.7 km] NW: ?: Collector Unknown: USNM: 2 [2 - **2**] - Kade, 7 mi [=11.3 km] NE: Ralph, Clement John: ROM: 3 [3 - **3**] - Kadjebi [= Kajiebi]: Mensah, P.E.: ROM: 17 [17 - **17**] - Kete: Baumann: ZMB: 2 [2 - **2**] - Kete Krachi: Baumann: ZMB: 1 [1]; Mischlich: ZMB: 1 [1]; Zech, Johann Nepomuk: ZMB: 6 [6 - **8**] - Kintampo: Cansdale, George Soper: BMNH: 1 [1 - **1**] - Kojali Bach: Tessmann: ZMB: 1 [1 - **1**] - Kononge: Mensah, P.E.: ROM: 7 [7 - **7**] - Krokosua Hills Forest Reserve: ?: Collector Unknown: ZFMK: 8 [8 - **8**] - Kumasi: ?: Collector Unknown: BMNH: 8 [8]; : BMNH: 9, NMBA: 1 [10]; Allison: BMNH: 2 [2]; Barry, D.H.: BMNH: 10 [10]; Mensah, P.E.: ROM: 3 [3 - **33**] - Kumasi area: Mensah, P.E.: ROM: 2 [2 - **2**] - Kumasi, UST Agricultural Farm: Mensah, P.E.: ROM: 6 [6 - **6**] - Kusasi area: Mensah, P.E.: ROM: 1 [1 - **1**] - Kuuni, 48 km: Mensah, P.E.: ROM: 15 [15 - **15**] - Kuuni, 48 mi [=77 km] from: Mensah, P.E.: ROM: 3 [3 - **3**] - Kwabenya: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Legion Folly: : BMNH: 1 [1 - **1**] - Legon: Geest, Julius C.: USNM: 13 [13]; Hayward, Bruce Joliffe: USNM: 8 [8]; Lawler, R.S.: ROM: 11 [11]; LeDuc, James W.: USNM: 4 [4]; Ralph, C.V.: ROM: 1 [1]; Robbins, C. Brian: USNM: 9 [9]; Schlitter, Duane Albert: CM: 7 [7]; Setzer, Henry W.: USNM: 15 [15 - **68**] - Mampong: Mensah, P.E.: ROM: 14 [14 - **14**] - Mapon: Mensah, P.E.: ROM: 1 [1 - **1**] - Masabia Hshubi: Mensah, P.E.: ROM: 1 [1 - **1**] - Mole National Park: ?: Collector Unknown: BMNH: 4 [4 - **4**] - Mpesetia: Mensah, P.E.: ROM: 24 [24 - **24**] - Mpisalia: Mensah, P.E.: ROM: 1 [1 - **1**] - Mpraeso: Mensah, P.E.: ROM: 2 [2 - **2**] - Nkaw Nkaw: Mensah, P.E.: ROM: 4 [4 - **4**] - Nkawkaw: : USNM: 6 [6]; Mensah, P.E.: ROM: 2 [2 - **8**] - Nkawkaw, 1 mi [=1.6 km] N: ?: Collector Unknown: USNM: 1 [1 - **1**] - Northern Region: ?: Collector Unknown: CM: 4 [4 - **4**] - Ntronang [= Ntronane, Ntronan]: Mensah, P.E.: ROM: 17 [17 - **17**] - Nuanga Road: Laviolette, S.: ROM: 2 [2 - **2**] - Oboasi: Mensah, P.E.: ROM: 8 [8 - **8**] - Oboasi Mines: Mensah, P.E.: ROM: 12 [12 - **12**] - Obomen: Mensah, P.E.: ROM: 3 [3 - **3**] - Oda: ?: Collector Unknown: BMNH: 1, USNM: 45 [46]; Cansdale, George Soper: BMNH: 6 [6]; Laviolette, S.: ROM: 1 [1]; Mensah, P.E.: ROM: 10 [10 - **63**] - Oda and Akim, between: Mensah, P.E.: ROM: 1 [1 - **1**] - Ofinsu: Cansdale, George Soper: BMNH: 1 [1 - **1**] - Pampramase: Jeffrey, Sonia M.: BMNH: 1 [1 - **1**] - Pong-Tamale: Barry, D.H.: BMNH: 1 [1 - **1**] - Prestea, 32 mi W: ?: Collector Unknown: USNM: 1 [1]; Geest, Julius C.: USNM: 19 [19 - **20**] - Pristia Mines: Mensah, P.E.: ROM: 19 [19 - **19**] - Pulima: Geest, Julius C.: USNM: 3 [3 - **3**] - Sakpa: ?: Collector Unknown: USNM: 2 [2 - **2**] - Samole Motel Camp: Cheke, R.A.: BMNH: 1 [1 - **1**] - Sefwi Asemparaye: ?: Collector Unknown: BMNH: 14 [14 - **14**] - Setwi, Base Camp: Mensah, P.E.: ROM: 2 [2 - **2**] - Sewhi Wiaso: Mensah, P.E.: ROM: 2 [2 - **2**] - Shai Hills Resources Reserve, North End: ?: Collector Unknown: CM: 7 [7 - **7**] - Sogakofe: : BMNH: 1 [1 - **1**] - Somanya, 3.2 km E: Laviolette, S.: ROM: 5 [5 - **5**] - St. George d'Elmina: : ZMA: 1 [1 - **1**] - Suhum, 2.4 mi E: ?: Collector Unknown: USNM: 1 [1 - **1**] - Takoradi: : BMNH: 4 [4]; Barry, D.H.: BMNH: 1 [1 - **5**] - Takwa Mines: Mensah, P.E.: ROM: 19 [19 - **19**] - Tinkong, 3 mi NW: ?: Collector Unknown: USNM: 1 [1 - **1**] - Todzi: : BMNH: 2 [2 - **2**] - undefined locality: Mensah, P.E.: ROM: 2 [2 - **2**] - University of Ghana: Setzer, Henry W.: USNM: 1 [1 - **1**] - unspecified locality: ?: Collector Unknown: WAM: 1 [1]; Taylor, I.: WAM: 1 [1 - **2**] - Wenchi: Mensah, P.E.: ROM: 2 [2 - **2**] - Winneba: Cansdale, George Soper: BMNH: 1 [1 - **1** - **1004**].

Guinea: Unknown locality: ?: Collector Unknown: MNHN: 3 [3]; Ferencz, Károly: HNHM: 1 [1]; Finsch, Friedrich Hermann Otto: ZMB: 1 [1]; Pel, H.S.: ZMB: 3 [3]; Schlegel, Hermann: ZMB: 1 [1]; Schneider: ZMB: 1 [1]; Zeller, Leydig: ZMB: 1 [1 - **11**] - Conakry: ?: Collector Unknown: MNHN: 12 [12 - **12**] - Gbié: Denys, Christiane: MNHN: 1 [1 - **1**] - Kankasili: Van Orshoven, Jo: ZMA: 55 [55 - **55**] - Keoulenta: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kindia: ?: Collector Unknown: MNHN: 9 [9 - **9**] - Kouroussa: ?: Collector Unknown: MNHN: 2 [2]; Pobéguin, Charles-Henri: MNHN: 1 [1 - **3**] - Kouroussa region: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kouroussa, near: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Macenta: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Mamou: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Mount Nimba: ?: Collector Unknown: MNHN: 18 [18 - **18**] - Mount Nimba?: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Mt. Nimba: ?: Collector Unknown: MHNG: 3 [3 - **3**] - Niomouya River: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ouassou: Klaptocs, A.: NMW: 1 [1 - **1**] - Park National du Haut Niger: ?: Collector Unknown: ZFMK: 7 [7 - **7**] - Sérédou: ?: Collector Unknown: MNHN: 16 [16 - **16**] - Soumba o Dubreka: ?: Collector Unknown: EBD: 3 [3 - **3**] - Tahiré: Knorr, Hans: ZFMK: 1 [1 - **1**] - Yomou: ?: Collector Unknown: MNHN: 6 [6 - **6**] - Ziéla: ?: Collector Unknown: MNHN: 35 [35 - **35**] - Zouguépo: ?: Collector Unknown: MNHN: 6 [6 - **6** - **197**].

Guinea-Bissau: "Bissao Senegambia": ?: Collector Unknown: BMNH: 1 [1 - **1**] - Bissau [island]: Bocage, José Vicente Barboza du: ZMB: 1 [1]; Hintz: ZMB: 1 [1 - **2**] - Bolama: da Costa, D.: MLZA: 1 [1]; Fea, Leonardo: USNM: 1 [1 - **2**] - Contubo-el: Monard, Albert: MHNC: 5, RMCA: 1 [6 - **6**] - Enchalé: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Madina Boé: ?: Collector Unknown: MNHN: 2 [2]; Monard, Albert: MNHN: 1, RMCA: 1 [2 - **4**] - Mansoa: ?: Collector Unknown: MNHN: 2 [2]; Monard, Albert: RMCA: 1 [1 - **3**] - Ponta Robalo: Monard, Albert: MHNG: 2 [2 - **2**] - Sama: ?: Collector Unknown: MNHN: 1 [1 - **1** - **22**].

Israel: West Bank: ?: Collector Unknown: TTU: 1 [1 - **1** - **1**].

Italy: "Italy": Blasius, Johan Heinrich: ZMB: 1 [1 - **1**] - Pisa: Bonaparte, Charles Lucien (Carlo) Jules Laurent: BMNH: 1 [1 - **1** - **2**].

Kenya: Unknown locality: ?: Collector Unknown: BMNH: 891, DNSM: 1, FMNH: 5, KU: 1, MNHN: 9, RMNH: 14, ROM: 1, SMF: 25, USNM: 10, WAM: 1, YPM: 9 [967]; : BMNH: 1, SMF: 1 [2]; Bekker, Jan Piet: ZMA: 1 [1]; Cambridge University Kenya Expedition 1977, The: BMNH: 2 [2]; Foster, B.: ROM: 1 [1]; Glen, Robert M.: ROM: 1 [1]; Kyongo, Robert N.: RMNH: 1 [1]; Mumford, Russell E.: ROM: 1 [1]; Patterson, Bruce D.: FMNH: 6 [6]; Rathborne, J.C.; Carr, P.S.: YPM: 1 [1]; Rift Valley Expedition, The: BMNH: 1 [1]; Sillu, David M.: RMCA: 2 [2]; Smeenk, Chris: RMNH: 16 [16]; Smeenk, Chris; Van de Blom, K.: RMNH: 1 [1]; Start, Anthony N.: BMNH: 2 [2]; Twomey, A.C.: AMNH: 2 [2 - **1007**] - Arabuko-Sokoke Forest: : LACM: 3 [3 - **3**] - Athi river, 6 mi S: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Barberton Cave: Mumford, Russell E.: USNM: 2 [2 - **2**] - Barberton Farm: Mumford, Russell E.: USNM: 2 [2 - **2**] - Baringo, 30 mi NW: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Baringo, lake: Start, Anthony N.: BMNH: 12 [12 - **12**] - Bura: : LACM: 13 [13 - **13**] - Bushwacker's Safari Camp: ?: Collector Unknown: CM: 3 [3 - **3**] - Central island: Foster, J.B.: ROM: 19 [19 - **19**] - Chanler Falls [=Chandler's Falls]: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Cherangani Hills: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Cherangani Mountain: Williams, John George; Jones, J.: ROM: 1 [1 - **1**] - Chyulu Hills National Park: ?: Collector Unknown: SMNS: 2 [2 - **2**] - Coast [former] province: ?: Collector Unknown: CM: 2 [2]; Roberts, J.: USNM: 1 [1 - **3**] - Coast province: Kuzmin, Ivan V.: CDC: 17 [17 - **17**] - Donyo Sabuk: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 2 [2 - **2**] - Eastern [former] province: ?: Collector Unknown: CM: 1, SMF: 1 [2]; : CM: 1 [1 - **3**] - Elgon, Mount: Hayward, Bruce Joliffe: WNMU: 1 [1]; Kemp, Robin: BMNH: 1 [1 - **2**] - Endoposei river: Eger, Judith L.: ROM: 1 [1 - **1**] - Ferguson's Gulf: Horne, J.; Howell, Kim M.: BMNH: 1 [1 - **1**] - Fort Hall: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - Fort Hall [=Muranga]: ?: Collector Unknown: USNM: 1 [1 - **1**] - Gedeh: Ithia, Julius M.K.: LACM: 2 [2 - **2**] - Gedi: ?: Collector Unknown: WAM: 1 [1 - **1**] - Gedi National Park: Hinde, Sidney Langford: FMNH: 1 [1 - **1**] - Gilgil river: Delamere: BMNH: 1 [1 - **1**] - Guaso Nyiro: Cosins: BMNH: 1 [1 - **1**] - Guaso Nyiro River: Williams, John George: LACM: 8 [8 - **8**] - Hoey's bridge: ?: Collector Unknown: BMNH: 6 [6]; Hayward, Bruce Joliffe: USNM: 18 [18 - **24**] - Ikuywa River Bridge: Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **1**] - Isiolo: ?: Collector Unknown: LACM: 1, ROM: 1 [2 - **2**] - Ithundu cave: ?: Collector Unknown: NMK: 6 [6 - **6**] - Kaibibich: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Kairuni: Stager, Kenneth E.: LACM: 3 [3 - **3**] - Kakamega district: ?: Collector Unknown: CM: 5 [5 - **5**] - Kakamega Forest: ?: Collector Unknown: HZM: 1, ROM: 3 [4]; : LACM: 7 [7]; Mumford, Russell E.: USNM: 1 [1]; Williams, John George: LACM: 2 [2 - **14**] - Kakamega, 5 km S, 16 km E: ?: Collector Unknown: CM: 2 [2]; Schlitter, Duane Albert: CM: 1 [1 - **3**] - Kalipti: Twomey, A.C.: AMNH: 1 [1 - **1**] - Kambiti W.H.: Start, P.A.N.: BMNH: 4 [4 - **4**] - Kampi ya Moto: ?: Collector Unknown: HZM: 1 [1 - **1**] - Kangatet: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Kanyangareng: ?: Collector Unknown: ROM: 2 [2 - **2**] - Kapenguria: Glen, Robert M.: ROM: 1 [1 - **1**] - Kapseta: ?: Collector Unknown: MNHN: 9 [9 - **9**] - Kapsowar: ?: Collector Unknown: HZM: 1 [1 - **1**] - Karen: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Karibiti: ?: Collector Unknown: CM: 4 [4]; Twomey, A.C.: CM: 3 [3 - **7**] - Kathekani: Schlitter, Duane Albert: CM: 2 [2 - **2**] - Kau [Osi river]: Fischer: ZMB: 1 [1 - **1**] - Kavirondo [Gulf]: Neumann: ZMB: 1 [1 - **1**] - Kavirongo Gulf, S coast: Bell; Leakey: BMNH: 1 [1 - **1**] - Kedong Valley: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Kiboboko River: ?: Collector Unknown: ROM: 1 [1 - **1**] - Kiboko: Hayward, Bruce Joliffe: USNM: 3 [3 - **3**] - Kibwesi: Scheffler: ZMB: 8 [8]; Schettler: ZMB: 1 [1 - **9**] - Kibwezi: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - Kibwezi, near: ?: Collector Unknown: HZM: 1 [1 - **1**] - Kichaka Simba: Kyongo, Robert N.: LACM: 9 [9 - **9**] - Kijabe: Heller, Edmund: AMNH: 1 [1 - **1**] - Kilaguni Lodge: ?: Collector Unknown: ROM: 1 [1 - **1**] - Kilifi: Start, Anthony N.: BMNH: 3 [3]; Trevor-Roper, G.D.: BMNH: 1 [1]; Williams, John George: LACM: 2 [2 - **6**] - Kinna: ?: Collector Unknown: CAS: 1 [1]; : LACM: 5 [5 - **6**] - Kisumu: ?: Collector Unknown: MNHN: 1 [1]; Glen, Robert M.: ROM: 12 [12 - **13**] - Kitale, 12 mi W: Hayward, Bruce Joliffe: USNM: 12 [12 - **12**] - Kitale, 20 mi SW: Hayward, Bruce Joliffe: MSB: 1 [1 - **1**] - Kitale, 25 mi [=40 km] NW: ?: Collector Unknown: CAS: 2 [2 - **2**] - Kitale, 7 mi E: Mumford, Russell E.: USNM: 1 [1 - **1**] - Kitui: Hildebrandt, Johann Maria: ZMB: 4 [4 - **4**] - Kitum cave: : SMF: 1 [1 - **1**] - Kongelai, 12 mi W: Hayward, Bruce Joliffe: USNM: 7 [7 - **7**] - Kongelai, 3 mi S: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - Koru: ?: Collector Unknown: BMGD: 1 [1 - **1**] - Kwale district: ?: Collector Unknown: CM: 1, TTU: 1 [2 - **2**] - Kwale, 7 km S, 8 km W: ?: Collector Unknown: CM: 1 [1 - **1**] - Kyanbym: : BMNH: 1 [1 - **1**] - Lake Baringo: : NMK: 1 [1 - **1**] - Lake Hannington: ?: Collector Unknown: WAM: 2 [2 - **2**] - Lake Naivasha: Mearns, Edgar Alexander: USNM: 2 [2]; Purvis, Martin: LACM: 2 [2 - **4**] - Lake Paradise: Stager, Kenneth E.: LACM: 11 [11 - **11**] - Lake Victoria: : BMNH: 1 [1 - **1**] - Lesukut Island: ?: Collector Unknown: WAM: 1 [1 - **1**] - Lokori: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Londiani: Williams, John George: HNHM: 1 [1 - **1**] - Lukenya, mount: ?: Collector Unknown: WAM: 1 [1 - **1**] - Lukore: Ithia, Julius M.K.: LACM: 4 [4 - **4**] - Machakos district: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - Makandara picnic site: ?: Collector Unknown: CM: 1 [1 - **1**] - Makindu, 35 km E: ?: Collector Unknown: ROM: 1 [1 - **1**] - Makindu, Upper cave: ?: Collector Unknown: ROM: 1 [1 - **1**] - Malindi: ?: Collector Unknown: USNM: 1 [1]; Muir, G.J.: BMNH: 1 [1]; Percival, Arthur Blayney: BMNH: 1 [1]; Wells, A.A.: CM: 2 [2 - **5**] - Malindi, 30 mi N: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Manda island: Voeltzkow, Alfred: ZMB: 1 [1 - **1**] - Mara River: ?: Collector Unknown: ROM: 4 [4]; Queeny, Edgar M.: AMNH: 3 [3 - **7**] - Marsabit road: Heller, Edmund: USNM: 1 [1 - **1**] - Masabubu: Pine, R.H.: AMNH: 6 [6 - **6**] - Masai Mara-NP: Bankovics, A.: HNHM: 1 [1 - **1**] - Masol Location: ?: Collector Unknown: ROM: 1 [1 - **1**] - Maungu: ?: Collector Unknown: ROM: 1 [1]; Hutton-Seed, R.: ROM: 1 [1 - **2**] - Maungu [= Marungu]: ?: Collector Unknown: ROM: 2 [2 - **2**] - Maungu Hill: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mbero: Kyongo, Robert N.: LACM: 1 [1 - **1**] - Mbero area: Ithia, Julius M.K.: LACM: 2 [2 - **2**] - Menengai: Walen, A.: ZMB: 1 [1 - **1**] - Menengai Crater, wall: Rawlins, N.: LACM: 1 [1 - **1**] - Mkanda River: Ithia, Julius M.K.: LACM: 5 [5 - **5**] - Moane: Schlitter, Duane Albert: CM: 5 [5 - **5**] - Molo river: Start, Anthony N.: BMNH: 1 [1 - **1**] - Mombas [=Mombassa]: Hildebrandt, Johann Maria: ZMB: 9 [9]; Hirsch, U.: ZMB: 1 [1 - **10**] - Mombasa: ?: Collector Unknown: BMNH: 8, MNHN: 4 [12]; Loveridge, Arthur: MCZ: 1 [1 - **13**] - Mombasa, 6.4 km S: Foster, J.B.: ROM: 1 [1 - **1**] - Mombasa, 8 km S: Foster, J.B.: ROM: 1 [1 - **1**] - Mombasa, S of: Foster, J.B.: ROM: 1 [1 - **1**] - Mombassa: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Morok River: ?: Collector Unknown: ROM: 1 [1 - **1**] - Mout Elgon: Kemp, A.C.: BMNH: 1 [1 - **1**] - Mt. Elgon: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mukanda Stream: ?: Collector Unknown: ROM: 1 [1 - **1**] - Muranga: Hinde, Sidney Langford: BMNH: 3 [3 - **3**] - Murri: Battersby, Jessamy C.: BMNH: 1 [1 - **1**] - Nairobi: ?: Collector Unknown: CAS: 1, MNHN: 1 [2]; Purvis, Martin: LACM: 1 [1]; Smith, David C.: YPM: 5 [5 - **8**] - Nairobi River: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - Nairobi-Mombassa road, mile 96 [= km 154]: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Nakuchett: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Nakuru: ?: Collector Unknown: CAS: 2 [2]; Harrison, David Lakin: ROM: 1 [1 - **3**] - Nakuru, 2 mi S: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Namanga: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: HZM: 2 [2 - **3**] - Nambale, 10 mi [= 16 km] N: Hawkins, James D.: CAS: 1 [1 - **1**] - Nanyuki: ?: Collector Unknown: CM: 1, ROM: 1 [2 - **2**] - Ndi: ?: Collector Unknown: BMNH: 1 [1]; Hildebrandt, Johann Maria: ZMB: 8 [8 - **9**] - NE base along the Wei Wei River: Stager, Kenneth E.: LACM: 37 [37 - **37**] - NE Cherangani Hills, Kipsain river: ?: Collector Unknown: HZM: 1 [1 - **1**] - Ngatana: Loveridge, Arthur: MCZ: 5 [5 - **5**] - Ngombeni: : SMF: 23 [23 - **23**] - Ngong: Williams, John George: ROM: 1 [1 - **1**] - Ngong Hills:

Mumford, Russell E.: USNM: 2 [2 - **2**] - Nguruman Escarpment: ?: Collector Unknown: ZMB: 2 [2]; Neumann: ZMB: 2 [2 - **4**] - North Nandi Forest: ?: Collector Unknown: NMW: 1 [1 - **1**] - Northern Guaso Nyiro: ?: Collector Unknown: BMNH: 1 [1]; Roosevelt, Kenneth (Kermit): USNM: 1 [1 - **2**] - Northern Guaso Nyiro, Nanyuki river: ?: Collector Unknown: USNM: 1 [1 - **1**] - Nyeri: ?: Collector Unknown: HZM: 2 [2 - **2**] - Ortum: ?: Collector Unknown: ROM: 11 [11 - **11**] - Patta [=Pate, island]: Voeltzkow, Alfred: ZMB: 4 [4 - **4**] - Rabai: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Rift Valley: ?: Collector Unknown: CM: 2 [2]; Purvis, Martin: LACM: 1 [1 - **3**] - Rondo forest: Glen, Robert M.: ROM: 13 [13 - **13**] - Rongai: Fowler, J.P.: HZM: 1 [1 - **1**] - Rongai, 5 km S: ?: Collector Unknown: ROM: 1 [1 - **1**] - Rumuruti, 45 km N: Hutton-Seed, R.: ROM: 1 [1 - **1**] - Sabatia: : NMK: 1 [1 - **1**] - Shikusa: Luies, D.D.: NMK: 2 [2 - **2**] - Shimba Hills Nature Reserve: Schlitter, Duane Albert: CM: 1 [1]; Schlitter, Duane Albert, *et al.*: CM: 1 [1]; Sillu, David M.: MWSU: 1 [1 - **3**] - Shimba Hills Settlement: Ithia, Julius M.K.: LACM: 5 [5 - **5**] - Shimoni: Koopman, Karl Friedrich: AMNH: 2 [2]; Twomey, A.C.: AMNH: 2, CM: 1 [3 - **5**] - Shimoni cave: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - Shimu Na Kitu: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Sigor: ?: Collector Unknown: CM: 2, WAM: 1 [3]; Schlitter, Duane Albert: CM: 2 [2]; Williams, John George: ROM: 1 [1 - **6**] - Sigor, 2 mi [=3.2 km] S: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - Sokoke Forest: ?: Collector Unknown: WNMU: 1 [1]; Williams, John George: AMNH: 1 [1 - **2**] - Suam River: ?: Collector Unknown: ROM: 4 [4 - **4**] - Sultan Hamud: Twomey, A.C.: AMNH: 1 [1 - **1**] - Suswa caves: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Taita: Baagøe, Hans J.: BMNH: 1 [1]; Heller, Edmund: USNM: 1 [1]; Hildebrandt, Johann Maria: BMNH: 2 [2 - **4**] - Taka Unka, Ungu Palm Grove on Coast: Hayward, Bruce Joliffe: TTU: 1 [1 - **1**] - Takaunga: Percival, Arthur Blayney: BMNH: 1 [1 - **1**] - Takaungu: Percival, Arthur Blayney: BMNH: 1 [1]; Thomas: ZMB: 6 [6 - **7**] - Talek Gate: Schlitter, Duane Albert: CM: 10 [10 - **10**] - Tambalal Falls: ?: Collector Unknown: ROM: 6 [6 - **6**] - Tana River: ?: Collector Unknown: LACM: 2 [2]; Chandler, W.A.: USNM: 2 [2]; Hunter, H.C.V.: BMNH: 1 [1 - **5**] - Taveta: Abbott, William Louis: USNM: 2 [2 - **2**] - Taveta Sisal Estate: Schlitter, Duane Albert: CM: 2, MCZ: 1 [3 - **3**] - Taveta, 3 km E: ?: Collector Unknown: CM: 2 [2]; Schlitter, Duane Albert: CM: 1 [1 - **3**] - Thika road: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Tiwi, NW of: Schlitter, Duane Albert: CM: 2 [2 - **2**] - Trans Nzoia district: ?: Collector Unknown: NMK: 1 [1 - **1**] - Trans-Nzoia district: Pitman, Charles Robert Senhouse: BMNH: 1 [1 - **1**] - Turkana, lake: Start, Anthony N.: BMNH: 4 [4 - **4**] - Turkwell: : BMNH: 2 [2 - **2**] - Turkwell Gorge: ?: Collector Unknown: ROM: 1 [1]; Jackson, F.J.: BMNH: 1 [1 - **2**] - Ukamba [=Kitui]: Hildebrandt, Johann Maria: ZMB: 2 [2 - **2**] - unspecified locality: Kyongo, Robert N.: LACM: 1 [1 - **1**] - Ushindo [=Ushingo]: Stuhlmann, Franz Ludwig: ZMB: 1 [1 - **1**] - Vipingoni: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - Voi, 30 km SE: ?: Collector Unknown: ROM: 2 [2 - **2**] - Wacoumbas cave: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Watamu: ?: Collector Unknown: AMS: 1 [1 - **1**] - Wei Wei River: ?: Collector Unknown: BMNH: 5, LACM: 4, ROM: 5 [14]; Schlitter, Duane Albert: CM: 8 [8]; Start, Anthony N.: BMNH: 1 [1 - **23**] - Wei Wei River bridge: ?: Collector Unknown: CM: 2 [2 - **2**] - Western: ?: Collector Unknown: CM: 1 [1 - **1**] - Western province: ?: Collector Unknown: CM: 1 [1 - **1**] - Yala river: ?: Collector Unknown: BMNH: 5 [5]; Turner, A.: NRM: 1 [1 - **6** - **1690**].

Lesotho: Unknown locality: ?: Collector Unknown: BMNH: 9 [9 - **9**] - Botsoela [= Malealea]: ?: Collector Unknown: NMB: 2 [2 - **2**] - Holomo: ?: Collector Unknown: NMB: 2 [2 - **2**] - Marakabei: ?: Collector Unknown: NMB: 2 [2 - **2**] - Quthing: ?: Collector Unknown: NMB: 7 [7 - **7** - **22**].

Liberia: Unknown locality: ?: Collector Unknown: BMNH: 142, DNSM: 16, RMNH: 1, SMF: 32, ZMA: 1 [192]; Büttikofer, Johan: RMNH: 4 [4]; Büttikofer, Johan; Sala, C.F.: RMNH: 1 [1]; Cooper, G.P.: YPM: 1 [1]; Demery, Jackson: RMNH: 1 [1]; Johnson: RMCA: 1 [1]; Oxford University Expedition to Mount Nimba, The: BMNH: 4 [4]; Schlüter, Wilhelm: USNM: 1 [1]; Stampfli, F.X.: RMNH: 4 [4]; Stampfli, F.X.; Büttikofer, Johan: RMNH: 3 [3]; Verschuren, Jacques: RBINS: 8 [8]; Voros, Andrew S.: AMNH: 1 [1 - **221**] - Barclay, mount [see Rosevear: Burting (or Bunting), R.K. (or R.H.): BMNH: 1 [1 - **1**] - Bentor: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Bomi Wood Concession: Voros, Andrew S.: AMNH: 4 [4 - **4**] - Camp III: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Cape Palmas: Steele, Th.R.: USNM: 2 [2 - **2**] - Fanti: Scharpe: ZMB: 1 [1]; Sharpe: ZMB: 1 [1 - **2**] - Gabagea River: Dickerman, Robert W.: AMNH: 5 [5 - **5**] - Grand Bassa: : BMNH: 1 [1]; McCloy, A.: BMNH: 1 [1 - **2**] - Harbel: : LACM: 1 [1]; Mann, William M.: USNM: 1 [1 - **2**] - Iti: Verschuren, Jacques: RBINS: 9 [9 - **9**] - Kluga: Voros, Andrew S.: AMNH: 2 [2 - **2**] - Mount Nimba: ?: Collector Unknown: AMS: 1, BMNH: 2, DNSM: 25, MNHN: 4 [32]; : RBINS: 3 [3]; Coe, Malcolm J.: BMNH: 15 [15]; McCoe: BMNH: 2 [2]; Oxford University Expedition to Mount Nimba, The: BMNH: 2 [2]; Verschuren, Jacques: RBINS: 121 [121 - **175**] - Mount Nimba East: Verschuren, Jacques: RBINS: 3 [3 - **3**] - Mount Nimba West: Verschuren, Jacques: RBINS: 33 [33 - **33**] - Nanna Kru: : BMNH: 2 [2 - **2**] - New Camp Forest: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Nimba East: Verschuren, Jacques: RBINS: 6 [6 - **6**] - Nimba West: Verschuren, Jacques: RBINS: 4 [4 - **4**] - Old Mine Road: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 10 [10 - **10**] - Saniquellie: Voros, Andrew S.: AMNH: 1 [1 - **1**] - St. Paul's River: Cook, Orator Fuller: USNM: 1 [1 - **1**] - Tapeta: Marie, J.: YPM: 6 [6 - **6**] - Tars Town: Schlitter, Duane Albert: USNM: 7 [7 - **7**] - Teayee: ?: Collector Unknown: BMNH: 3 [3]; Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **4**] - Wreppoosta: : ZMB: 1 [1 - **1**] - Yekepa: Verschuren, Jacques: RBINS: 3 [3 - **3**] - Yekepa, near: ?: Collector Unknown: DNSM: 1 [1 - **1** - **511**].

Libya: Unknown locality: ?: Collector Unknown: BMNH: 12, NMP: 2 [14 - **14**] - Ain Az Zarqa: ?: Collector Unknown: NMP: 1 [1 - **1**] - Al Abyar: ?: Collector Unknown: NMP: 1 [1 - **1**] - Al Fjayj: ?: Collector Unknown: NMP: 1 [1 - **1**] - Ar Sharsharah: ?: Collector Unknown: NMP: 2 [2 - **2**] - Beida: ?: Collector Unknown: NMW: 13 [13 - **13**] - Brak: Elgadi, Ahmed: NMP: 1 [1 - **1**] - Gabrun: ?: Collector Unknown: NMP: 5 [5 - **5**] - Germa: ?: Collector Unknown: NMP: 1 [1 - **1**] - Karkurah: ?: Collector Unknown: NMP: 1 [1 - **1**] - Leptis Magna: ?: Collector Unknown: NMP: 2 [2 - **2**] - Murzuk: : SMF: 1 [1 - **1**] - Nanatalah: ?: Collector Unknown: NMP: 2 [2 - **2**] - Quasr Shadane: ?: Collector Unknown: NMW: 4 [4 - **4**] - Sabratah: ?: Collector Unknown: NMP: 3 [3 - **3**] - Tokrah: ?: Collector Unknown: NMP: 1 [1 - **1**] - Tripoli: Frank: RBINS: 1 [1 - **1** - **54**].

Macedonia: Unknown locality: : MHNG: 1 [1 - **1** - **1**].

Madagascar: Unknown locality: ?: Collector Unknown: AMNH: 1, BMNH: 32, FMNH: 50, MCZ: 1, MNHN: 12, SMF: 7, TM: 2, UADBA: 199, USNM: 1, ZMB: 2 [307]; : BMNH: 5, FMNH: 1, RMNH: 6 [12]; Audebert, Jean Baptiste: RMNH: 2 [2]; Bartlett: ZMB: 2 [2]; Bluntschli, Hans Georg Hermann: SMF: 1 [1]; Crossley, Alfred: ZMB: 1 [1]; Cutte: ZMB: 1 [1]; Decary, Raymond: MNHN: 6 [6]; Gerrard: ZMB: 3 [3]; Gerrard, Edward: MCZ: 3 [3]; Godeffroy Museum, The: RMNH: 1 [1]; Goodman, Steven M.: FMNH: 11, UADBA: 11 [22]; Grandidier Collection, The: MCZ: 5, MNHN: 1 [6]; Grandidier, Guillaume: MCZ: 1 [1]; Humblot, Léon: MNHN: 17 [17]; Koch, K.L.: FMNH: 1 [1]; Leche, W.: AMNH: 1 [1]; Mason, G.W.E.: RMNH: 1 [1]; Muséum Nationale d'Histoire Naturelle: FMNH: 1 [1]; Southampton University Expedition, The: BMNH: 6 [6]; Voeltzkow, Alfred: ZMB: 1 [1 - **396**] - along Antsahabe River: : FMNH: 1 [1 - **1**] - Ambadiramique: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ambalavao: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Ambanizana: ?: Collector Unknown: FMNH: 9 [9 - **9**] - Ambatobe, W slope mount: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Ambatofinandra: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ambatoharanana cave: ?: Collector Unknown: FMNH: 11 [11]; Cardiff, Scott G.: FMNH: 1 [1]; Goodman, Steven M.; Schoeman, M. Corrie: FMNH: 5 [5 - **17**] - Ambatolampy: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ambinany-Lalangy: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Ambinda: ?: Collector Unknown: FMNH: 8, UADBA: 6 [14]; Goodman, Steven M.: UADBA: 1 [1 - **15**] - Amboasary: Bluntschli, Hans Georg Hermann: ZMB: 2 [2 - **2**] - Ambodi

Mangy: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ambodiamontana: : FMNH: 1 [1 - **1**] - Ambodiriana: : ROM: 2 [2 - **2**] - Ambohijanahary Mountain: : FMNH: 1, UADBA: 1 [2 - **2**] - Ambohimirija caves: ?: Collector Unknown: MNHN: 16 [16 - **16**] - Ambohitantely: ?: Collector Unknown: FMNH: 4, UADBA: 8 [12]; Goodman, Steven M.: UADBA: 2 [2 - **14**] - Ambohitantely Special Reserve: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Ambondramamy: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Ambositra: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Ambotelafer: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ambovombe: Grandidier Collection, The; Decary, Raymond: MCZ: 1 [1 - **1**] - Ambovondramanesy: ?: Collector Unknown: UADBA: 2 [2 - **2**] - Ambre, mount: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ampijoroa: ?: Collector Unknown: MNHN: 8, UADBA: 1 [9 - **9**] - Ampijoroa forest: ?: Collector Unknown: MNHN: 14 [14 - **14**] - Ampijoroa, lake: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ampitabe: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Ampitambé: Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **1**] - Ampotaka: : BMNH: 2 [2 - **2**] - Analamangabe: Jenkins, Richard K.B.: UADBA: 2 [2 - **2**] - Analamazaotra forest, Périnet: ?: Collector Unknown: MNHN: 1, ROM: 1 [2]; Chabaud, Alain Gabriel: MNHN: 4 [4 - **6**] - Andakaty, cave [=Grotte d'Andakaty]: ?: Collector Unknown: FMNH: 8 [8 - **8**] - Andalabezo cave: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Andalambeze cave: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Andapa: : FMNH: 1 [1 - **1**] - Andasibe: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Andavadrano: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Andavakoera: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Andlavaka: : FMNH: 1 [1 - **1**] - Andlavakarano: : FMNH: 1 [1 - **1**] - Andlavakarano: : FMNH: 2 [2 - **2**] - Andrafiabe, 3.5 km SE: ?: Collector Unknown: FMNH: 6 [6 - **6**] - Andrahaha Cave: Voeltzkow, Alfred: ZMB: 1 [1 - **1**] - Andrahomana cave: Grandidier Collection, The: MCZ: 3 [3]; Grandidier Collection, The; Decary, Raymond: MCZ: 3 [3 - **6**] - Andranohinaly: Voeltzkow, Alfred: ZMB: 1 [1 - **1**] - Andranomandroy: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Andranomathy cave: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Andranomboalavo: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Andrarabarikely: : FMNH: 9 [9 - **9**] - Andringitra National Park: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Androimpano caves: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Angodongodona, 6.5 km ESE: : FMNH: 1 [1 - **1**] - Anjajavy, 18.5 km S: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Anjajavy, 26.5 km SW: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Anjajavy, 3 km NE: ?: Collector Unknown: FMNH: 7 [7 - **7**] - Anjajavy, 4 km NE: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Anjanaharibe sud: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Anjiro: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Anjohibe cave: ?: Collector Unknown: UADBA: 2 [2 - **2**] - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], NCC-1 deposit: ?: Collector Unknown: UA: 5 [5 - **5**] - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], OLD SE deposit: ?: Collector Unknown: UA: 19 [19 - **19**] - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], SS2 deposit: ?: Collector Unknown: UA: 9 [9 - **9**] - Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], TW-10 deposit: ?: Collector Unknown: UA: 629 [629 - **629**] - Anjohimbovonomby: Jenkins, Richard K.B.: UADBA: 1 [1 - **1**] - Anjohitantely: ?: Collector Unknown: UADBA: 3 [3 - **3**] - Anjoky cave: ?: Collector Unknown: MNHN: 1 [1]; Paulian, Renaud: MNHN: 2 [2 - **3**] - Anjozorobe, 13 km SE: Goodman, Steven M.: NMV: 5 [5 - **5**] - Ankarana: ?: Collector Unknown: FMNH: 2, MNHN: 3, UADBA: 5 [10 - **10**] - Ankarara forest: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ankavandra, N of: Grandidier Collection, The; Decary, Raymond: MCZ: 4 [4 - **4**] - Ankavandra, near: Grandidier Collection, The: MCZ: 1 [1 - **1**] - Ankazoata, W of: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ankazobe: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Ankazomborona: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Ankidrodoa: ?: Collector Unknown: FMNH: 7 [7 - **7**] - Ankiliabo, 11 km SSE: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Anorontsanga: : BMNH: 3 [3 - **3**] - Anorotsangana: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Antafinimihakatra: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Antanamarina: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Antananarivo: ?: Collector Unknown: ROM: 1 [1 - **1**] - Antanimbary: ?: Collector Unknown: FMNH: 1 [1]; : FMNH: 1 [1 - **2**] - Anteseranana: Hildebrandt, Johann Maria: ZMB: 3 [3 - **3**] - Antsahabe forest: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Antsahabe River, near village of Ankijabe: : FMNH: 2 [2 - **2**] - Antsiran: Alluaud, Ch.: MNHN: 2 [2 - **2**] - Antsiranana: Ardouin: FMNH: 1 [1 - **1**] - Antsiranana province: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Antsiranana, near: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Antsohihy: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Anzahameru: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Bas Mangoky agricultural station: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Beanka forest: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Beforona, bureau de poste: : FMNH: 10 [10 - **10**] - Beforona, école CEG: : FMNH: 2 [2 - **2**] - Beforona, ex hotel villa Martin'son: : FMNH: 4 [4 - **4**] - Befotaka: ?: Collector Unknown: FMNH: 4 [4]; : FMNH: 9 [9 - **13**] - Behara, scientific institute: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bekopaka, 3.5 km E: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Belobaka: ?: Collector Unknown: FMNH: 2, UADBA: 7 [9 - **9**] - Beloboka grotte No 1: : FMNH: 3 [3 - **3**] - Bemaraha: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Bémaraha cave: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Beratro: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Berivotra: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Béroboka: ?: Collector Unknown: MNHN: 8 [8 - **8**] - Beroroha: Rosenberg, W.F.H.: BMNH: 2 [2 - **2**] - Bétafo: : BMNH: 1 [1 - **1**] - Betsileo: ?: Collector Unknown: NMW: 1 [1]; Hildebrandt, Johann Maria: ZMB: 3 [3 - **4**] - Binara, forest [=Forêt de Binara]: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Boeni: ?: Collector Unknown: MNHN: 12 [12 - **12**] - Bosianoremane: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Brickaville: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Brickaville, 9.5 km W: Goodman, Steven M.; Ramasindrazana, Beza: FMNH: 1 [1 - **1**] - Brickaville, bureau commune: : FMNH: 1 [1 - **1**] - bureau circonscription scolaire: : FMNH: 10 [10 - **10**] - Campement Matsaborymadio: : FMNH: 1 [1 - **1**] - Canyon des Singes: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Cascade de Manantantely: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Cascade Sahanalaotra, near: ?: Collector Unknown: FMNH: 10 [10]; : FMNH: 1 [1 - **11**] - Causse de Namoroka: ?: Collector Unknown: MNHN: 15 [15 - **15**] - Caves of Manandona, high on mountain side: ?: Collector Unknown: ROM: 9 [9 - **9**] - Centre National de Recherche Océanographique: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Collegèges d'Enseignement Général: : FMNH: 9 [9 - **9**] - Commune Ampahatelo, maison du domaine d'Akamasoa: : FMNH: 4 [4 - **4**] - Commune Mahabo, chalet de marché: : FMNH: 10 [10 - **10**] - Daraina: ?: Collector Unknown: FMNH: 1, UADBA: 1 [2 - **2**] - Diego Suarez: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Diego-Suarez: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Dispensaire public, Ampasy: : FMNH: 10 [10 - **10**] - d'Itremo, 2.5km W: ?: Collector Unknown: FMNH: 8 [8 - **8**] - Dronibe: ?: Collector Unknown: MNHN: 2 [2 - **2**] - École Lycée, salle I: : FMNH: 10 [10 - **10**] - Fanandrana, EPP: : FMNH: 7 [7 - **7**] - Fandanana: ?: Collector Unknown: FMNH: 16, UADBA: 15 [31]; : FMNH: 1 [1]; Goodman, Steven M.: UADBA: 3 [3 - **35**] - Fandriana: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Farankaraina: ?: Collector Unknown: FMNH: 2 [2]; : FMNH: 1 [1 - **3**] - Faravohitra: ?: Collector Unknown: MNHN: 8 [8 - **8**] - Faux Cap: ?: Collector Unknown: MNHN: 10 [10]; Paulian, Renaud: USNM: 5 [5 - **15**] - Fianarantsoa: ?: Collector Unknown: FMNH: 2, UADBA: 1, USNM: 1 [4]; Cowan, W. Deans: BMNH: 1 [1 - **5**] - Fianarantsoa province: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Fianarantsoa: Minharisoa: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Fianarantsoa[, Fianarantsoa province]: Peake: ZMB: 1 [1 - **1**] - Fiherenana River, lower valley: ?: Collector Unknown: FMNH: 1, MNHN: 1 [2 - **2**] - Forêt d'Ampidirabe: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Forêt d'Ampirojoa: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Forêt d'Ampitiliantsambo: : FMNH: 4 [4 - **4**] - Forêt d'Analabe: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Forêt d'Analalava: ?: Collector Unknown: FMNH: 2, USNM: 1 [3 - **3**] - Forêt de Beanka: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Forêt de Binara, near Analamazava River: : FMNH: 4 [4 - **4**] - Forêt de Mahejebi: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Forêt de Mamakibetro: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Foret de Sahafina: Goodman, Steven M.; Ramasindrazana, Beza: FMNH: 3 [3 - **3**] - Forêt de Tampolo: ?: Collector Unknown:

FMNH: 3 [3 - **3**] - Forêt des Mikea: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Forêt des Mikea: ?: Collector Unknown: FMNH: 2 [2 - **2** [1 - **1**] - Fort Dauphin: : BMNH: 1 [1]; Grandidier Collection, The; Decary, Raymond: MCZ: 1 [1]; Schneider: MZUF: 1 [1 - **3**] - Fort Dauphin, near: Grandidier Collection, The; Decary, Raymond: MCZ: 2 [2 - **2**] - Fort-Dauphin: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Foulepointe and lake Alaoutre, between: ?: Collector Unknown: MNHN: 9 [9 - **9**] - Grand Lac: ?: Collector Unknown: FMNH: 1 [1 - **1**] - granite caves of Angavokely: ?: Collector Unknown: BMNH: 3 [3 - **3**] - Great forest of the East [=Grande forêt de l'Est]: Grandidier Collection, The: MCZ: 1 [1 - **1**] - grotte: : FMNH: 4 [4 - **4**] - Grotte Boribe: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Grotte d'Anjohibe: : FMNH: 3 [3 - **3**] - Grotte d'Ankelimahogo: : FMNH: 5 [5 - **5**] - Grotte d'Ambanilia: ?: Collector Unknown: FMNH: 8 [8 - **8**] - Grotte d'Andrafiabe, forêt près: ?: Collector Unknown: FMNH: 7 [7]; : FMNH: 6 [6 - **13**] - Grotte d'Anjohibe: ?: Collector Unknown: FMNH: 5 [5]; : FMNH: 5 [5 - **10**] - Grotte d'Anjohikely: : FMNH: 7 [7 - **7**] - Grotte d'Anjohimbazimba: ?: Collector Unknown: FMNH: 6 [6 - **6**] - Grotte d'Ankelimahogo: ?: Collector Unknown: FMNH: 1 [1]; : FMNH: 12 [12 - **13**] - Grotte d'Antsiroandoha: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Grotte de Bazaribe: ?: Collector Unknown: FMNH: 7 [7]; : FMNH: 15 [15 - **22**] - Grotte de Bekapity: ?: Collector Unknown: FMNH: 3, UADBA: 1 [4]; Goodman, Steven M.: UADBA: 5 [5 - **9**] - Grotte de Bishiko: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Grotte de Bisihiko: ?: Collector Unknown: FMNH: 10 [10 - **10**] - Grotte de Fandanana: : FMNH: 1 [1 - **1**] - Grotte de Marondavenoka, near the village of Enato: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Grotte de Mitaho, près: ?: Collector Unknown: FMNH: 6 [6 - **6**] - Grotte de Sarondrana [= Sarodrano]: Peterson, Randolph L.: SAMA: 1 [1 - **1**] - Grotte de Tanambao: ?: Collector Unknown: UADBA: 2 [2 - **2**] - Grotte des chauves-souris/makis: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Grotte du troisième canyon: : FMNH: 4 [4 - **4**] - Grottes d'Anjohibe: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Hiaraka: ?: Collector Unknown: MNHN: 2 [2 - **2**] - High Fanjahira, valley: Grandidier Collection, The: MCZ: 1 [1 - **1**] - Hôpital CSB II Mazavatakona: : FMNH: 10 [10 - **10**] - Ifanadiana: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Ifandanana: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Ikongo: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ikongo forest: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Ile Sainte Marie: : FMNH: 28 [28 - **28**] - Imasindrary: ?: Collector Unknown: BMNH: 8 [8]; : NMW: 1 [1 - **9**] - Imasindrary [= Masindary]: ?: Collector Unknown: BMNH: 4 [4 - **4**] - Imerina, forest, E of: Wills, J.: BMNH: 1 [1 - **1**] - Isalo National Park: ?: Collector Unknown: FMNH: 1, UADBA: 1 [2 - **2**] - Itampolo: ?: Collector Unknown: FMNH: 3, UADBA: 2 [5 - **5**] - Itapera: ?: Collector Unknown: USNM: 1 [1 - **1**] - Itaranta: ?: Collector Unknown: USNM: 1 [1 - **1**] - Itremo: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Ivohibe: ?: Collector Unknown: AMNH: 1, MNHN: 1 [2]; : BMNH: 1 [1 - **3**] - Ivokimanitra: Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **1**] - Joffreville, 5.5 km SW: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Kandreho: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Kianjavato: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Kinakina: Koechlin, Bernard: MNHN: 1 [1 - **1**] - Kirindy Forest: ?: Collector Unknown: FMNH: 1, UADBA: 13 [14 - **14**] - Kyma Kyma: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Les Roussettes: ?: Collector Unknown: MNHN: 9 [9 - **9**] - Lotry, lake: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Lower Fiherenana Valley: Grandidier Collection, The: MCZ: 4 [4 - **4**] - Madagascar: ?: Collector Unknown: BMNH: 1, MNHN: 1 [2]; Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **3**] - Mahafaly: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Mahajanga: ?: Collector Unknown: FMNH: 1 [1]; : FMNH: 1 [1 - **2**] - maison d'habitation: : FMNH: 11 [11 - **11**] - Majunga: ?: Collector Unknown: MNHN: 5, NMW: 1 [6]; Bastard, Eugène Joseph: MNHN: 1 [1 - **7**] - Manahy, 0.75 km SW: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Manakara be, EPP Tanambe, salle A: : FMNH: 13 [13 - **13**] - Manambato: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Mananara: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Mananaro: Audebert, Jean Baptiste: ZMB: 1 [1 - **1**] - Mananjary: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Manantantely: ?: Collector Unknown: USNM: 1 [1 - **1**] - Mandritsara, N of: Grandidier Collection, The: MCZ: 2 [2 - **2**] - Maroantsetra: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Maroantsétra, 2 days NE: ?: Collector Unknown: MNHN: 18 [18 - **18**] - Maroantsetra, 20 km SW: ?: Collector Unknown: MNHN: 66 [66]; : BMNH: 2 [2 - **68**] - Maroantsetra, 40 km NW: ?: Collector Unknown: MNHN: 19 [19 - **19**] - Maroantsetra, near: ?: Collector Unknown: MNHN: 11 [11 - **11**] - Marojejy: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Marojéjy: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Maromandia: ?: Collector Unknown: MNHN: 2 [2]; : BMNH: 2 [2 - **4**] - Maromandia cave: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Maromandia, NW: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Marovatanana: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Marovaza: ?: Collector Unknown: FMNH: 3 [3]; Goodman, Steven M.; Ratrimomanarivo, Fania H.: FMNH: 2 [2 - **5**] - Marovoay: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Marovony Forest: ?: Collector Unknown: USNM: 2 [2 - **2**] - Marozevo, maison d'habitation II: : FMNH: 3 [3 - **3**] - Matsaborimadio, at edge of: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Matsaborymadio: : FMNH: 1 [1 - **1**] - Mevatanana: ?: Collector Unknown: MNHN: 6 [6 - **6**] - Miari [probably Miary, near Tuléar]: Grandidier, Alfred: MNHN: 1 [1 - **1**] - Miari [probably Miary, near Tuléar]: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Miary: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Mikea Forest: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Mikea Forest, Grotte d'Andalambezo: Paulian, Renaud: MNHN: 6 [6 - **6**] - Mistinjo: ?: Collector Unknown: MNHN: 97 [97]; Catta, M.: MNHN: 1 [1]; Decary, Raymond: MNHN: 1 [1 - **99**] - Montagne d'Ambre: ?: Collector Unknown: USNM: 9 [9]; Lange, K.L.: USNM: 6 [6 - **15**] - Montagne des Français: Robinson, A.: MNHN: 3 [3 - **3**] - Moramanga: : FMNH: 1 [1 - **1** [9 - **9** [10 - **10** [10 - **10**] - Morondava: ?: Collector Unknown: MNHN: 8 [8 - **8**] - Mount Ambre: ?: Collector Unknown: MNHN: 23 [23 - **23**] - Mpasibola: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Nahampoana: ?: Collector Unknown: UADBA: 1, USNM: 8 [9 - **9**] - Namoroka: ?: Collector Unknown: FMNH: 3, MNHN: 6 [9]; : AMNH: 1 [1 - **10**] - Namoroka village, 2 km SE: ?: Collector Unknown: FMNH: 1 [1 - **1**] - National Park de Zombitse-Vhibasia: ?: Collector Unknown: FMNH: 1 [1 - **1**] - near Itaranta River: ?: Collector Unknown: USNM: 2 [2 - **2**] - no specific locality: ?: Collector Unknown: MNHN: 2 [2]; Schneider: ZMB: 1 [1 - **3**] - Nossi Be island: ?: Collector Unknown: SMF: 1 [1 - **1**] - Nossi-Be: Stequert, B.: ZMA: 2 [2 - **2**] - Nossibé: ?: Collector Unknown: MNHN: 6 [6 - **6**] - Nosy Be: : FMNH: 34 [34]; Goodman, Steven M.: UADBA: 5 [5 - **39**] - Nosy Bé: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Nosy Komba: : FMNH: 12 [12]; Goodman, Steven M.: UADBA: 4 [4 - **16**] - NW Madagascar: Hildebrandt, Johann Maria: ZMB: 1 [1 - **1**] - on Onilahy river, Androbaha cave [=Grotte d'Androbaha]: Voeltzkow, Alfred: ZMB: 6 [6 - **6**] - Parc National de la Montagne d'Ambre: ?: Collector Unknown: FMNH: 1, UADBA: 12 [13 - **13**] - Parc National de la Montagne d'Ambre, Station des Roussettes: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Parc National de Mantadia: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Périnet [= Andasibe] cité CIBA: : FMNH: 3 [3 - **3**] - Périnet [= Andasibe], CIBA: : FMNH: 5 [5 - **5**] - Périnet [= Andasibe], cité CIBA: : FMNH: 10 [10 - **10**] - Périnet, 3 km E: : USNM: 8 [8 - **8**] - Périnet-Analamazaotra: : BMNH: 2 [2 - **2**] - PK 9 and PK 10, between: Jenkins, Richard K.B.: FMNH: 1, UADBA: 1 [2 - **2**] - PN d'Andohahela, 8 km NW Eminiminy: : FMNH: 2 [2 - **2**] - PN d'Andringitra: : FMNH: 1 [1 - **1**] - PN de Bemaraha, Ankidrodroa: : FMNH: 27 [27 - **27**] - PN de Bemaraha, Foret d'Andranogidro: : FMNH: 1 [1 - **1**] - PN de Bemaraha, Grotte d'Anjohimbazimba: : FMNH: 1 [1 - **1**] - PN de Bemaraha, south bank Manambolo River, near Tombeau Vazimba: : FMNH: 5 [5 - **5**] - PN de Bemaraha, Zohy Atsimo: : FMNH: 20 [20 - **20**] - PN de la Montagne d'Ambre, Station Forestiére des Roussettes: : FMNH: 7 [7 - **7**] - Point de la Fièvre: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Rakotoniaine: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ramara: Bluntschli, Hans Georg Hermann: ZMB: 1 [1 - **1**] - Ranhira, 7.8 km N: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Ranobe: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Ranohira: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Ranohira, 3.8 km NW: ?: Collector Unknown: FMNH: 2, UADBA: 1 [3]; Goodman, Steven M.: UADBA: 1 [1 - **4**] - Ranohira, appr. 10.5 km SW: ?: Collector Unknown: FMNH:

1 [1 - **1**] - Ranomafana hôpital CSB II: : FMNH: 10 [10 - **10**] - Ranomafana, Église catholique: : FMNH: 4 [4 - **4**] - Reserve Speciale d'Ankarana, Ambahibe, cave [=Grotte d'Ambahibe]: ?: Collector Unknown: FMNH: 5 [5 - **5**] - Reserve Speciale d'Ankarana, Andrafiabe Cave, forest near [=forêt près de la grotte d'Andrafiabe]: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Reserve Speciale d'Ankarana, Antsirondoha Cave, west [=Ouest de la grotte d'Antsirondoha]: ?: Collector Unknown: FMNH: 2 [2 - **2**] - RNI d'Andohahela [= PN d'Andohahela], parcel 1: : FMNH: 2 [2 - **2**] - RNI de Namoroka, along Ampandra River: : FMNH: 13 [13 - **13**] - RNI de Namoroka, Forêt d'Ambovonomby: : FMNH: 2 [2 - **2**] - RNI de Namoroka, Grotte d'Ampidiranamhaja: : FMNH: 3 [3 - **3**] - RNI de Namoroka, Grotte d'Andriabe: : FMNH: 4 [4 - **4**] - RNI de Namoroka, near source of Mandevy River: : FMNH: 14 [14 - **14**] - RNI de Namoroka, site d'Andriabe: : FMNH: 1 [1 - **1**] - RNI de Namoroka,Forêt d'Ambovonomby: : FMNH: 5 [5 - **5**] - Rogez: ?: Collector Unknown: MNHN: 11 [11 - **11**] - RS d'Anjanaharibe-Sud, Marolakana River: : FMNH: 1 [1 - **1**] - RS d'Ankarana, 3.5 km SE Andrafiabe: : FMNH: 1 [1 - **1**] - RS d'Ankarana, Grotte des Chauves-souris: : FMNH: 11 [11 - **11**] - RS d'Ankarana, Grotte Milaintety: : FMNH: 1 [1 - **1**] - RS d'Ankarana, Ambahibe Cave: : FMNH: 3 [3 - **3**] - RS d'Ankarana, Andavaka Ankohatra: : FMNH: 1 [1 - **1**] - RS d'Ankarana, Antsironandoha Cave: : FMNH: 10 [10 - **10**] - RS d'Ankarana, Campement des Anglais [= Anilotra]: : FMNH: 2 [2 - **2**] - RS d'Ankarana, Canyon d'Antsiroandoa Centre: : FMNH: 7 [7 - **7**] - RS d'Ankarana, Grotte Boribe: : FMNH: 3 [3 - **3**] - RS d'Ankarana, Grotte d'Ambatoharanana: : FMNH: 1 [1 - **1**] - RS d'Ankarana, Grotte des Chauves-souris: : FMNH: 17 [17 - **17**] - RS d'Ankarana, in forest near Andrafiabe Cave: : FMNH: 1 [1 - **1**] - RS d'Ankarana, Lavaka Ambitsokotsoka: : FMNH: 4 [4 - **4**] - RS d'Ankarana, Sentier Botanique: : FMNH: 2 [2 - **2**] - Sabotsy Anjiro, Andranoalina, maison d'habitation No. 3: : FMNH: 10 [10 - **10**] - Sabotsy Anjiro, maison d'habitation: : FMNH: 7 [7 - **7**] - Sabotsy Anjiro, maison d'habitation No. 2: : FMNH: 9 [9 - **9**] - Sahafina: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Sahamalaza: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Sainte Marie: Voeltzkow, Alfred: ZMB: 1 [1 - **1**] - Sainte-Marie: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Sakana: Voeltzkow, Alfred: ZMB: 21 [21 - **21**] - Sakaraha: ?: Collector Unknown: FMNH: 2, MNHN: 84 [86 - **86**] - Sakoandrano cave: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Sambirano River, lower: Grandidier Collection, The: MCZ: 2 [2 - **2**] - Sarodrano: ?: Collector Unknown: FMNH: 5, UADBA: 3 [8]; Goodman, Steven M.: UADBA: 1 [1 - **9**] - Sarondrano: ?: Collector Unknown: MNHN: 14 [14 - **14**] - Sarondrano caves: ?: Collector Unknown: MNHN: 9 [9 - **9**] - SF de Tampolo: : FMNH: 1 [1 - **1**] - Sianaka forest: ?: Collector Unknown: MNHN: 1 [1 - **1**] - St Augustin caves: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Station Forestière d'Ivoloina, près du gîte Mahatsinjo: : UADBA: 2 [2 - **2**] - Tabulayi to Ankazoabo: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Tahiky: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Tamatave: ?: Collector Unknown: ZMB: 1 [1]; Voeltzkow, Alfred: ZMB: 1 [1 - **2**] - Tamatave, N of: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Tampina: Bluntschli, Hans Georg Hermann: ZMB: 1 [1 - **1**] - Tananarive: ?: Collector Unknown: MNHN: 18 [18 - **18**] - Tananarive, near: Grandidier Collection, The; Decary, Raymond: MCZ: 1 [1 - **1**] - Tananarivo [=Antananarivo]: Caldwell, Sclater: ZMB: 1 [1 - **1**] - Toamasina: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Toamasina: : FMNH: 10 [10 - **10** [7 - **7**] - Toliara: ?: Collector Unknown: FMNH: 1 [1]; : FMNH: 3 [3 - **4**] - Toliara province: ?: Collector Unknown: FMNH: 2, UADBA: 2 [4 - **4**] - Toliary province: ?: Collector Unknown: FMNH: 4, UADBA: 4 [8 - **8**] - Tsaratanana: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Tsimanampetsotsa: ?: Collector Unknown: FMNH: 5 [5]; Goodman, Steven M.: UADBA: 2 [2 - **7**] - Tsimanampetsotsa, lake: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Tsimbazaza, lake: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Tsinjoarivo, 10 km SE: ?: Collector Unknown: FMNH: 6 [6]; Goodman, Steven M.: UADBA: 2 [2 - **8**] - Tsiombe-Androy: Grandidier Collection, The: MCZ: 1 [1 - **1**] - Tuléar: ?: Collector Unknown: MNHN: 1 [1]; Voeltzkow, Alfred: ZMB: 3 [3 - **4**] - Tulear region: : RMNH: 1 [1 - **1**] - Tuléar, 80 km E: ?: Collector Unknown: MNHN: 1 [1 - **1**] - un named cave: : FMNH: 2 [2 - **2**] - Unknown locality: : FMNH: 221, UADBA: 6, USNM: 5 [232]; Goodman, Steven M.: UADBA: 2 [2 - **234**] - unnamed cave: ?: Collector Unknown: FMNH: 10 [10]; : FMNH: 4 [4 - **14**] - unspecified locality: Goodman, Steven M.: FMNH: 2 [2 - **2**] - Vinanitelo: ?: Collector Unknown: BMNH: 3, MNHN: 1 [4 - **4**] - Vinanitelo [= Vinantelo]: : BMNH: 2, NMW: 2 [4 - **4**] - Vitane: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Vohemar: Brebner, C.W.: RMNH: 1 [1]; Crossley, Alfred: BMNH: 1 [1 - **2**] - Vohipeno, Commune Vohitrindry, Quartier Fenoarivo, grenier N. 1: : FMNH: 10 [10 - **10**] - Vohipeno, quartier Ambohimanarivo, bureau de Fivondronana: : FMNH: 13 [13 - **13**] - Zazafotsy: ?: Collector Unknown: FMNH: 4 [4 - **4** - **3223**].

Madeira (Portugal): Madeira: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Unknown locality: ?: Collector Unknown: BMNH: 2 [2]; MacGillivray, William S.: BMNH: 1 [1 - **3** - **6**].

Malawi: Unknown locality: ?: Collector Unknown: BMNH: 171, MNHN: 5, SMF: 4 [180]; Burda, H.: SMF: 1 [1]; Chimimba, Christian Timonthy: WAM: 5 [5]; Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 3 [3]; Mason, G.W.E.: RMNH: 1 [1]; Van Strien, Nico J.: RMNH: 1 [1 - **191**] - Bangula swamp: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - Bangweolo and Lake Nyasa, between: : BMNH: 1 [1 - **1**] - Blantyre: : KM: 1 [1 - **1**] - Cape Maclear: ?: Collector Unknown: CM: 1 [1 - **1**] - Chileka: ?: Collector Unknown: ROM: 1 [1 - **1**] - Chipanzi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chipeta Village: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chiromo: ?: Collector Unknown: BMNH: 13 [13]; Wood, Rodney C.: BMNH: 11, KU: 17 [28 - **41**] - Chitale: ?: Collector Unknown: ROM: 1 [1 - **1**] - Cholo: ?: Collector Unknown: BMNH: 1 [1]; Wood, Rodney C.: BMNH: 1, KU: 1 [2 - **3**] - Ciwale Hill: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Fort Johnston [= Mangochi]: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Karonga: ?: Collector Unknown: HZM: 2 [2]; Lamborn: BMNH: 2 [2 - **4**] - Kasungu NP: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Kota Kota: ?: Collector Unknown: KM: 9 [9]; Ansell, William Frank Harding: AMNH: 2 [2]; Govt. Agent, Kota-Kota: NHMZ: 7 [7 - **18**] - Likablila Mission: Johnston, Harry H.: BMNH: 1 [1 - **1**] - Likabula mission: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 1 [1 - **6**] - Likabula river: ?: Collector Unknown: HZM: 1 [1 - **1**] - Likwenu R: ?: Collector Unknown: HZM: 1 [1 - **1**] - Livingstonia: ?: Collector Unknown: BMNH: 1, NHMZ: 1 [2 - **2**] - Liwonde National Park: ?: Collector Unknown: BMNH: 1 [1 - **1**] - MacLear, cape: ?: Collector Unknown: CM: 1 [1]; Robbins, Lynn W.: CM: 3 [3 - **4**] - Malema: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Mandala: Hanney, Peter W.: NMMB: 2 [2 - **2**] - Mangochi Mountain: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Monkey Bay: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Mount Malosa: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mughese Forest: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Mulanje: ?: Collector Unknown: BMNH: 1 [1]; : KM: 3 [3 - **4**] - Mulanje Mountain Conservation Trust: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mulanje, Chipoka village: ?: Collector Unknown: NMP: 1 [1 - **1**] - Mulanje-Chitakali: ?: Collector Unknown: NMP: 1 [1 - **1**] - Nchalo: Hammer: HZM: 2 [2 - **2**] - Ncheu [=Ntcheu]: : TM: 1 [1 - **1**] - Nkhotakota: ?: Collector Unknown: NHMZ: 2 [2]; : KM: 5 [5 - **7**] - Nkhota-Kota: Shortridge, Guy Chester: KM: 1 [1 - **1**] - Nsanje: ?: Collector Unknown: ROM: 1 [1]; : KM: 3 [3 - **4**] - Ntchisi, mount: : KM: 1 [1 - **1**] - Nyasa: : BMNH: 2 [2 - **2**] - Nyika-Jallawe valley: ?: Collector Unknown: NMP: 1 [1 - **1**] - Somba: Johnston, Harry H.: HNHM: 1 [1 - **1**] - Thondwe: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1**] - Thyolo: ?: Collector Unknown: BMNH: 1 [1]; : KM: 1 [1]; Wood, Rodney C.: CM: 1 [1 - **3**] - Viphya Plateau: ?: Collector Unknown: DCDH: 1 [1 - **1**] - Wilindi Forest: ?: Collector Unknown: NMZL: 3 [3]; Dowsett, Robert Jack: NMZL: 4 [4 - **7**] - Zoa Estate: ?: Collector Unknown: NMMB: 1 [1 - **1**] - Zoa Tea Estate: Morris, B.: NMMB: 3 [3 - **3**] - Zomba: ?: Collector Unknown: BMNH: 2 [2]; : BMNH: 1 [1]; Johnston, Harry H.: BMNH: 1 [1 - **4**] - Zomba Plateau: ?: Collector Unknown: KM: 6 [6]; : KM: 3 [3 - **9**] - Zomba town: Johnston, Harry H.: BMNH: 1 [1]; Lennon: BMNH: 1 [1 - **2** - **355**].

Mali: Unknown locality: ?: Collector Unknown: MNHN: 4, SMF: 2 [6 - **6**] - Adrar: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Adrar des Iforas: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Badalabougou: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ballassientu: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bamako: ?: Collector Unknown: MNHN: 2 [2]; Malzy, P.: MNHN: 7 [7]; Rode, Paul: MNHN: 10 [10 - **19**] - Dialagou: ?: Collector Unknown: MNHN: 14 [14 - **14**] - Djenné: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Dogon country: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ibdekène valley: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Mandingues mountains Reserve: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Ménaka: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Samaya: ?: Collector Unknown: MNHN: 11 [11 - **11**] - Selangor: ?: Collector Unknown: MNHN: 6 [6 - **6**] - Sélingué: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Ticufales or Tieufola cave: ?: Collector Unknown: MNHN: 8 [8 - **8**] - Timbuktu: ?: Collector Unknown: BMNH: 1 [1 - **1** - **85**].

Malta: Malta: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Mauritania: Unknown locality: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Aleg post office: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Atar: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Bat cave: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Boutilimit: ?: Collector Unknown: MNHN: 38 [38 - **38**] - Dar-el-Salam: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Guelb Moghrein: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ma?moûdé, lake: ?: Collector Unknown: EBD: 3 [3 - **3**] - Mauritanian Sahara: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Moudjéria fortress: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Terjit: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Touareg Sahara: ?: Collector Unknown: MNHN: 1 [1 - **1** - **55**].

Mauritius: Unknown locality: ?: Collector Unknown: AMNH: 19, BMNH: 7, MNHN: 7, RMNH: 1, SMF: 1, USNM: 2, WAM: 1, ZMB: 4 [42]; : RMNH: 2 [2]; Desjardins, M.: MNHN: 1 [1]; Deyrolle, P.: MNHN: 1 [1]; Gere, C.: MNHN: 1 [1]; Mason, G.E.: ZMB: 1 [1]; Möbius: ZMB: 2 [2]; Newton, E.: BMNH: 1 [1]; Pike, Nicolas: MCZ: 3 [3]; Robillard: ZMB: 1 [1]; Schneider: ZMB: 2 [2]; Schneider, G.: RMNH: 2 [2]; Sieber: ZMB: 1 [1]; Slater, Henry H.: BMNH: 1 [1]; Ward, Henry Augustus: MCZ: 1 [1]; Ward's Natural Sciences Estabishment, The: FMNH: 1 [1]; Whitely, H.: BMNH: 1 [1 - **64**] - Camp Thorel cave: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Cascade river: : ZMA: 1 [1]; Durrell, G.: ZMA: 1 [1 - **2**] - Le Reduit, ravines: : BMNH: 3 [3 - **3**] - Majastre: Carie, P.: MNHN: 2 [2 - **2**] - Mascarene Islands: ?: Collector Unknown: MNHN: 9 [9 - **9**] - Palma cave: ?: Collector Unknown: FMNH: 5 [5 - **5**] - Port Louis: : MNHN: 1 [1 - **1**] - Rodrigues: Bellairs, H. A.: RMNH: 2 [2]; Gulliver, J.: BMNH: 3 [3]; Mason, G.E.: BMNH: 2 [2]; Pickering, F.E.: BMNH: 2 [2]; Slater, Henry H.: BMNH: 2 [2 - **11**] - Rodrigues Island: Gulliver, J.: BMNH: 1, SMF: 1 [2 - **2**] - Round island [Rond Islet, Ronde Ile], La Ronde: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Senneville: ?: Collector Unknown: AMS: 1 [1 - **1**] - Trois Bras cave: ?: Collector Unknown: FMNH: 2 [2 - **2** - **104**].

Mayotte: Mayotte: ?: Collector Unknown: MNHN: 2 [2]; : RMNH: 2 [2]; Clark, K.M.: AMNH: 5 [5]; Humblot, Léon: MNHN: 6 [6]; Pollen, F.: RMNH: 1, ZMB: 2 [3 - **18** - **18**].

Morocco: Unknown locality: ?: Collector Unknown: BMNH: 17, MHNG: 1, MNHN: 1, SMF: 2 [21]; Albaceta, Rosa: EBD: 2 [2]; Louette, Michel: RMCA: 11 [11]; Thewys, G.: RMNH: 2 [2 - **36**] - Agadir, 30 km NW: : EBD: 1 [1 - **1**] - Ain Leuh: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Assa: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Berkane: ?: Collector Unknown: MNHN: 3, NMP: 2 [5 - **5**] - Bou Izakarne: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Chichaoua: Vaden, R.E.: USNM: 7 [7 - **7**] - Defilia Oasis: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Djebel Moussa, Great Cave: ?: Collector Unknown: MNHN: 6 [6 - **6**] - Essaouira [= Mogador]: ?: Collector Unknown: MCZ: 6, MNCN: 2 [8 - **8**] - Figuig: ?: Collector Unknown: BMNH: 1, MNHN: 5 [6]; Johnson, E.D.W.: BMNH: 10 [10 - **16**] - Goulimine: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Ha-ha: de la Escalera, D. Manuel M.: BMNH: 1 [1 - **1**] - Hercules caves: ?: Collector Unknown: MNHN: 14 [14 - **14**] - Kef-el-Rhar, cave [=Grotte de Kef-el-Rhar]: ?: Collector Unknown: NMW: 1 [1 - **1**] - Khenifra: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kik plateau cave: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ksar-es-Souk: ?: Collector Unknown: NMW: 10 [10 - **10**] - Lead mine [=Mine de Plomb]: ?: Collector Unknown: NMW: 1 [1 - **1**] - Mapti Endé: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Marrakesh, E of: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Meknès: ?: Collector Unknown: MNHN: 18 [18 - **18**] - Meknés-Tafialet: ?: Collector Unknown: MHNG: 1 [1 - **1**] - Mogador [=Essaouira]: de la Escolera, F.M.: ZMB: 2 [2 - **2**] - Oued Drâa: ?: Collector Unknown: NMP: 2 [2 - **2**] - Oued Korifla: Laurent, R.: MNHN: 1 [1 - **1**] - Ras el Oued, cave: Strinati, Pierre; Aellen, Villy: MHNG: 1 [1 - **1**] - Samsa: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Samsa cave: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Sidi Binzarne: : NMP: 2 [2 - **2**] - Sidi Moussa: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Taddert: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Tagonidert: de la Escolera, F.M.: BMNH: 1 [1 - **1**] - Tagouidert: de la Escolera, F.M.: ZMB: 1 [1 - **1**] - Talkout: ?: Collector Unknown: NMP: 1 [1 - **1**] - Tamtattouchte: ?: Collector Unknown: NMP: 1 [1 - **1**] - Tanger: ?: Collector Unknown: MNHN: 3 [3]; Floericke, Kurt: ZMB: 1 [1]; Kleinschmidt, Otto; Floericke, Kurt: ZMB: 1 [1 - **5**] - Tangiers: Floericke, Kurt: ZMB: 2 [2 - **2**] - Tazarine: ?: Collector Unknown: MNHN: 9 [9 - **9**] - Tazarine cave: ?: Collector Unknown: MNHN: 6 [6 - **6**] - Zegzel cave: ?: Collector Unknown: MNHN: 2 [2 - **2** - **191**].

Mozambique: Unknown locality: ?: Collector Unknown: BMNH: 18, MNHN: 4, SMF: 7 [29]; Blazer, brothers: RMNH: 1 [1]; Loveridge, Arthur: BMNH: 1 [1]; Peters, Wilhelm Carl Hartwig: ZMB: 3 [3 - **34**] - Amamba: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Beira: ?: Collector Unknown: BMNH: 3, NHMZ: 1, USNM: 1 [5 - **5**] - Beira, 10 km N: ?: Collector Unknown: USNM: 2 [2]; Davis, R.M.: USNM: 1 [1 - **3**] - Beira,10 km N: ?: Collector Unknown: USNM: 1 [1 - **1**] - Boane: ?: Collector Unknown: CZL: 2, USNM: 1 [3 - **3**] - Boror: ?: Collector Unknown: BMNH: 1 [1]; Peters, Wilhelm Carl Hartwig: BMNH: 1, RMNH: 1, ZMB: 5 [7 - **8**] - Cabaceira: Peters, Wilhelm Carl Hartwig: ZMB: 1 [1 - **1**] - Changalane [= Estatuane]: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chemezi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chicoa, 20 km ESE: ?: Collector Unknown: USNM: 1 [1 - **1**] - Chicona, 14 mi ESE: ?: Collector Unknown: USNM: 1 [1 - **1**] - Chicualacuala: ?: Collector Unknown: CZL: 2 [2 - **2**] - Chigubo: ?: Collector Unknown: USNM: 1 [1 - **1**] - Chimonzo: ?: Collector Unknown: USNM: 1 [1]; Cole, Ronald E.: USNM: 2 [2 - **3**] - Chiniziwa District: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chitengo, 100 km E: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chiutu: ?: Collector Unknown: USNM: 5 [5 - **5**] - Coguno: ?: Collector Unknown: USNM: 3 [3 - **3**] - Coquno [= Coguno?]: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Covane: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Cruz Dabacua Setache: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Cruz Dabacua Setache, Zinave: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Dabacua Setache: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Dondo: ?: Collector Unknown: USNM: 1 [1 - **1**] - Envirotrade site: : DNSM: 1 [1 - **1**] - Estatuane: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Furancungo, 40 km NNW: ?: Collector Unknown: USNM: 1 [1 - **1**] - Gerhard's Cave: : TM: 1 [1 - **1**] - Gondola: ?: Collector Unknown: CZL: 1 [1 - **1**] - Gorongosa NR: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gorongoza Mountain: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Gruta Magochene: ?: Collector Unknown: NHMZ: 9, ROM: 8 [17 - **17**] - Ibo: Peters, Wilhelm Carl Hartwig: ZMB: 3 [3 - **3**] - Inhaca Island: : KM: 1 [1 - **1**] - Inhambane: Peters, Wilhelm Carl Hartwig: BMNH: 3, NMW: 1, ZMB: 3 [7]; Rudd, C.D.: BMNH: 1 [1 - **8**] - Inhaminga: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Inyoka Mountain: ?: Collector Unknown: USNM: 1 [1 - **1**] - Javane: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Jongamo: Cole, Ronald E.: USNM: 3 [3 - **3**] - Kanganatole, 8 km N: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lorenzo Marques [= Maputo]: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Lumbo: Loveridge, Arthur: BMNH: 3 [3 - **3**] - Magude: ?: Collector Unknown: USNM: 1 [1 - **1**] - Mague [= Mphende]: ?: Collector Unknown: USNM: 2 [2]; Herbert, H.J.: USNM: 1 [1 - **3**] - Mague, new: Herbert, H.J.: USNM: 3 [3 - **3**] - Malacus: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Malucas: ?: Collector Unknown: NHMZ: 4 [4 - **4**] -

Manho Forest: ?: Collector Unknown: DNSM: 5 [5 - **5**] - Manica: ?: Collector Unknown: CZL: 2 [2 - **2**] - Mapinhane: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Maputo: ?: Collector Unknown: CZL: 1, NHMZ: 1 [2 - **2**] - Maputo Camp: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Maputo Special Reserve: : TM: 3 [3 - **3**] - Marine Research Station: ?: Collector Unknown: USNM: 1 [1 - **1**] - Marromeu Town: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Marromeu, 40 km W: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Marromeu, Coutada 1: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Marromeu, Coutada 11 HQ: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Marromeu,Coutada 1: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Masembeti: Rudd, C.D.: BMNH: 2 [2 - **2**] - Massamba, 16 km E: ?: Collector Unknown: USNM: 6 [6 - **6**] - Massamba,16 km E: ?: Collector Unknown: USNM: 1 [1 - **1**] - Massangena: ?: Collector Unknown: USNM: 2 [2]; Cole, Ronald E.: USNM: 1 [1 - **3**] - Massinga: ?: Collector Unknown: USNM: 2 [2 - **2**] - Massinga, 2 km S: Cole, Ronald E.: USNM: 2 [2 - **2**] - Mehave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Moamba: ?: Collector Unknown: USNM: 4 [4 - **4**] - Mongue: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mount Jao: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mount Mabu: ?: Collector Unknown: DNSM: 3, MHNG: 1 [4 - **4**] - Mozambique Island: ?: Collector Unknown: BMNH: 1 [1]; Peters, Wilhelm Carl Hartwig: ZMB: 1 [1 - **2**] - Muchena: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): TM: 1 [1 - **1**] - Mucrera R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mungari, 5 km N: ?: Collector Unknown: USNM: 3 [3 - **3**] - Nabaunama River: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nogochene caves: Lobao Tello, José L.P.: AMNH: 11 [11 - **11**] - Nyaboa Caves: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Pamzila: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Panda: ?: Collector Unknown: USNM: 2 [2]; Cole, Ronald E.: USNM: 7 [7 - **9**] - Posto Inhaca: Cole, Ronald E.: USNM: 4 [4 - **4**] - Quilimane: Stuhlmann, Franz Ludwig: ZMH: 1 [1 - **1**] - Ressano Garcia, 10 km SSE: ?: Collector Unknown: NHMZ: 4, NMZL: 1 [5 - **5**] - Save River Bridge, 30 km N?: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Sena: Peters, Wilhelm Carl Hartwig: ZMB: 4 [4 - **4**] - Shupanga: ?: Collector Unknown: BMNH: 1 [1]; Kirk, John: BMNH: 2 [2 - **3**] - Shupanga: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Shupanga [=Chupanga]: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Sofala province: ?: Collector Unknown: SMF: 6 [6 - **6**] - Tete: ?: Collector Unknown: BMNH: 2, ZMB: 1 [3]; Alexander, Boyd Francis: BMNH: 1 [1]; Grant, Claude Henry Baxter: TM: 1 [1]; Rudd, C.D.: BMNH: 1 [1 - **6**] - Tete district: ?: Collector Unknown: TM: 2 [2 - **2**] - Tete, 3 km E: ?: Collector Unknown: USNM: 7 [7 - **7**] - Tete, near: Alexander, Boyd Francis: BMNH: 1 [1 - **1**] - Tette: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 3 [3 - **3**] - Tette [=Tete]: Peters, Wilhelm Carl Hartwig: ZMB: 15 [15 - **15**] - Ukalini Forest: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Vila Gamlto, 10 km N: ?: Collector Unknown: USNM: 4 [4 - **4**] - Vila de Manica [= Manica], 10 km N: ?: Collector Unknown: USNM: 1 [1 - **1**] - Vila de Manica [= Manlca], 10 km N: ?: Collector Unknown: USNM: 2 [2 - **2**] - Vila Gamito,10 km N: ?: Collector Unknown: USNM: 2 [2 - **2**] - Vila Gouveia: ?: Collector Unknown: NHMZ: 1, USNM: 2 [3 - **3**] - Vila Gouveia, S: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Vila Gouvela: ?: Collector Unknown: USNM: 1 [1 - **1**] - Vilanculos: ?: Collector Unknown: CZL: 1, USNM: 1 [2 - **2**] - Zavora: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Zinave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Zinave NP: ?: Collector Unknown: NHMZ: 9 [9 - **9**] - Zinave NP, 3 km SSW: ?: Collector Unknown: NHMZ: 11 [11 - **11**] - Zinave NP, 9 km SSW: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Zinave NR: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Zinave, 2 km S: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Zinave-NP: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Zlnave NP: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **343**].

Namibia: Unknown locality: ?: Collector Unknown: BMNH: 9, SMF: 7, SMW: 2 [18]; Hoesch, W.: FMNH: 7 [7]; Kühn: ZMB: 1 [1]; Lester, L.A.: LACM: 1 [1]; Lootens, P.: RMCA: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: MMK: 1, TM: 4 [5]; Shortridge, Guy Chester: SAMC: 1 [1]; Zumpt, Frits Konrad Ernst: SMNS: 3 [3 - **38**] - Algamas cave, Grootfontein: ?: Collector Unknown: SMW: 1 [1 - **1**] - Alte Feste: Strauss, H.: SMW: 5 [5 - **5**] - Andara, Okavango: ?: Collector Unknown: SMW: 1 [1 - **1**] - Andara,Okavango: ?: Collector Unknown: SMW: 1 [1 - **1**] - Andorosa Falls: ?: Collector Unknown: SMW: 1 [1 - **1**] - Ariemsvlei: ?: Collector Unknown: SMW: 1 [1 - **1**] - Arnhem cave: ?: Collector Unknown: MNHN: 9, SMW: 7 [16 - **16**] - Arnhem, 80 km E: ?: Collector Unknown: TM: 5 [5 - **5**] - Aus, 22 km E: ?: Collector Unknown: SMW: 1 [1 - **1**] - Aus, 3 km W: ?: Collector Unknown: SMW: 3 [3 - **3**] - Beenbreck: ?: Collector Unknown: SMW: 1 [1 - **1**] - Berseba: Shortridge, Guy Chester: BMNH: 2 [2]; Sordahl, L.O.: USNM: 1 [1 - **3**] - Bethanie, E: : KM: 1 [1 - **1**] - Bethanien district: Leinweber: ZMB: 1 [1 - **1**] - Bezarode Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Buffalo Camp, Kavango R.: ?: Collector Unknown: SMW: 1 [1 - **1**] - Cunene Falls: Shortridge, Guy Chester: BMNH: 2 [2 - **2**] - Daan Viljoen NP: ?: Collector Unknown: SMW: 2 [2 - **2**] - Damaraland: Alexander: BMNH: 1 [1]; Beck: ZMB: 1 [1]; Higgins: ZMB: 3 [3 - **5**] - Dante Cave: ?: Collector Unknown: SMW: 1 [1 - **1**] - De Start 1014: ?: Collector Unknown: SMW: 1 [1 - **1**] - De Valle: ?: Collector Unknown: SMW: 3 [3 - **3**] - Diamond Area 1: ?: Collector Unknown: SMW: 2 [2 - **2**] - Diyogha: Benda, Petr: NMP: 2 [2 - **2**] - Dose Pan: ?: Collector Unknown: SMW: 3, USNM: 1 [4 - **4**] - Driekrone 516: ?: Collector Unknown: SMW: 1 [1 - **1**] - E. Kamombonde 86: Lester, L.A.: LACM: 1 [1 - **1**] - Eenhana: ?: Collector Unknown: NMP: 1 [1 - **1**] - Eindopaal: ?: Collector Unknown: SMW: 1 [1 - **1**] - Eiseb R: ?: Collector Unknown: SMW: 2 [2 - **2**] - Eliem 163: ?: Collector Unknown: SMW: 1 [1 - **1**] - Elseb R.: ?: Collector Unknown: SMW: 1 [1 - **1**] - Erongorus Usakos: ?: Collector Unknown: TM: 1 [1 - **1**] - Etaneno 44: ?: Collector Unknown: SMW: 1 [1 - **1**] - Etosha NP: ?: Collector Unknown: SMW: 1 [1 - **1**] - Etosha NP, Halali: ?: Collector Unknown: SMW: 3 [3 - **3**] - Etosha NP, Namutoni: ?: Collector Unknown: SMW: 2 [2 - **2**] - Etosha NP, Okaukuejo: ?: Collector Unknown: SMW: 3 [3 - **3**] - Etosha NP, Ombika Gate: ?: Collector Unknown: SMW: 1 [1 - **1**] - Etosha NP,Okaukuejo: ?: Collector Unknown: SMW: 2 [2 - **2**] - Etosha Pan: Shortridge, Guy Chester: BMNH: 4 [4 - **4**] - Etosha-NP, Okaukuejo: ?: Collector Unknown: SMW: 1 [1 - **1**] - Evergreen campsite: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm 397: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Aandster 147: : SMW: 1 [1 - **1**] - Farm Okandukaseibe 27: Lester, L.A.: LACM: 1 [1 - **1**] - Farm Rheinvels: ?: Collector Unknown: TM: 3 [3 - **3**] - Farm Sandfontein 468: ?: Collector Unknown: KM: 13 [13 - **13**] - Farm Zwartmodder 101: ?: Collector Unknown: TM: 5 [5 - **5**] - Fish River Canyon: ?: Collector Unknown: KM: 1 [1 - **1**] - Gam: ?: Collector Unknown: USNM: 1 [1 - **1**] - Gam Waterhole: ?: Collector Unknown: USNM: 1 [1 - **1**] - Ganab Waterhole: ?: Collector Unknown: USNM: 1 [1]; Schlitter, Duane Albert: USNM: 1 [1 - **2**] - Gaucha: ?: Collector Unknown: USNM: 1 [1 - **1**] - Gcangcu: Benda, Petr: NMP: 1 [1 - **1**] - Geiersberg: ?: Collector Unknown: SMW: 1 [1 - **1**] - Ghaub Farm: Benda, Petr: NMP: 1 [1 - **1**] - Gobabeb: Schlitter, Duane Albert: USNM: 1 [1 - **1**] - Gobabeb, Namib Desert: ?: Collector Unknown: NHMZ: 2, SMW: 3, USNM: 1 [6 - **6**] - Gobabis: : KM: 2 [2 - **2**] - Gobabls: : KM: 1 [1 - **1**] - Gobabls, 70 km NE: ?: Collector Unknown: LACM: 2 [2 - **2**] - Gorraris 99: ?: Collector Unknown: SMW: 1 [1 - **1**] - Gorrarts 99: ?: Collector Unknown: SMW: 1 [1 - **1**] - Great Brukoros Mountains: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - Grootfontein: Volkmann: ZMB: 2 [2 - **2**] - Grootfontein, 25 km SE: ?: Collector Unknown: LACM: 1 [1 - **1**] - Grootfontein, 40 km WNW: ?: Collector Unknown: LACM: 4 [4 - **4**] - Grootfontein, NE: ?: Collector Unknown: SMW: 1 [1 - **1**] - Grootfontein, NW: : KM: 2 [2 - **2**] - Gross Barmen: Hahn: ZMB: 1 [1 - **1**] - Helmeringshausen: ?: Collector Unknown: TM: 1 [1 - **1**] - Hoasas: ?: Collector Unknown: SMW: 2 [2 - **2**] - Hoba 322: ?: Collector Unknown: SMW: 1 [1 - **1**] - Hoba 322, Grootfontein: ?: Collector Unknown: SMW: 1 [1 - **1**] - Kake, Okavango: ?: Collector Unknown: SMW: 1 [1 - **1**] - Kaoko Veld, southern part: Hoesch, W.: FMNH: 17 [17 - **17**] - Karibib: ?: Collector Unknown: BMNH: 1 [1]; : KM: 1 [1]; Shortridge, Guy Chester: BMNH: 5 [5 - **7**] - Karochos: ?: Collector Unknown: TM: 1 [1 - **1**] - Katima Mulilo: ?: Collector Unknown: SMW: 1 [1]; : KM: 1 [1 - **2**] - Katima Mulllo: : KM: 1 [1 - **1**] - Katimo Mulllo: ?: Collector Unknown: NHMZ: 1 [1

- **1**] - Kaudom GR: ?: Collector Unknown: USNM: 1 [1 - **1**] - Keetmanshoop: : KM: 1 [1 - **1**] - Keetmanshoop district [= Damaraland]: Haagner, Sigmund: TM: 1 [1 - **1**] - Keetmanshoop, 35 km SSW: : TM: 1 [1 - **1**] - Kleepfortella: ?: Collector Unknown: SMW: 1 [1 - **1**] - Klein Aus Farm 8: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **3**] - Klein Namutoni [=Sandup]: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - Klein Okombhe, Omaruru: ?: Collector Unknown: SMW: 1 [1 - **1**] - Klein Windhoek: ?: Collector Unknown: BMNH: 1 [1]; Tree, A.J.: SMW: 1 [1 - **2**] - Kochina: ?: Collector Unknown: TM: 1 [1 - **1**] - Koës: Sporneck: ZMB: 1 [1 - **1**] - Koes, 89 km ENE: ?: Collector Unknown: LACM: 1 [1 - **1**] - Kuibis: Ränge: ZMB: 1 [1 - **1**] - Kwetche, Kavango R: ?: Collector Unknown: SMW: 1 [1 - **1**] - Lianshulu: ?: Collector Unknown: SMW: 2 [2 - **2**] - Liebig's Ranch: ?: Collector Unknown: TM: 2 [2 - **2**] - Makuri pan, 9 km W: ?: Collector Unknown: TM: 1 [1 - **1**] - Makuri Pan, Bushmanland: ?: Collector Unknown: SMW: 1 [1 - **1**] - Maltahohe: ?: Collector Unknown: SMW: 1 [1 - **1**] - Maltahohe district: : CM: 1 [1 - **1**] - Maltahohe, 110 km WSW: ?: Collector Unknown: USNM: 2 [2 - **2**] - Mbambi: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - Muckwe: : KM: 3 [3 - **3**] - Mudumu NP, Horseshoe Bend: ?: Collector Unknown: SMW: 1 [1 - **1**] - Munsterland: ?: Collector Unknown: SMW: 1 [1 - **1**] - Nama pan [=Nama dam]: ?: Collector Unknown: TM: 2 [2 - **2**] - Nama Pan, Bushmanland: ?: Collector Unknown: SMW: 1 [1 - **1**] - Namibia Desert Research Station [= DERU]: ?: Collector Unknown: NHMZ: 11 [11 - **11**] - Namibi-Naukluft NR: ?: Collector Unknown: SMW: 1 [1 - **1**] - Namib-Naukluft NP, Bat's Hole: ?: Collector Unknown: SMW: 2 [2 - **2**] - Nassengehöhle: Glauning: ZMB: 1 [1 - **1**] - Neuhof-Kowas Farm: Viereck, A.: SMF: 2 [2 - **2**] - Ngweze: Balme, F.N.: KM: 1 [1 - **1**] - Nuichan [=Nuitsas]: Lorch: ZMB: 1 [1 - **1**] - Nuitsas Farm: Fock: ZMH: 1 [1 - **1**] - Numkaub: ?: Collector Unknown: USNM: 1 [1 - **1**] - Nyangana: Benda, Petr: NMP: 2 [2 - **2**] - Oas: Pöch, Rudolf: NMW: 2 [2]; Shortridge, Guy Chester: BMNH: 2 [2 - **4**] - Oberdorf, Bethanie: ?: Collector Unknown: SMW: 1 [1 - **1**] - Ohopoho: ?: Collector Unknown: SMW: 1 [1 - **1**] - Okahandja: ?: Collector Unknown: SMF: 1 [1]; Dinter: ZMB: 2 [2]; Fock: ZMH: 1 [1]; Gaerdes, F.: SMF: 1 [1]; Niethammer, Günther: ZFMK: 1 [1 - **6**] - Okakarara: ?: Collector Unknown: SMW: 1 [1 - **1**] - Okambe, 10 mi NE: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1**] - Okambe, 10 miles NE: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1**] - Okashana: Benda, Petr: NMP: 1 [1 - **1**] - Okatana: Lootens, P.: RMCA: 1 [1 - **1**] - Okatjiho,Okahandja: ?: Collector Unknown: SMW: 1 [1 - **1**] - Okavango-Omatako Junction: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Okongava: ?: Collector Unknown: SMW: 4 [4 - **4**] - Olifants Vlei: Anderson, 1: BMNH: 1 [1 - **1**] - Omaruru: : KM: 2 [2 - **2**] - Omaruru, 10 km SE: ?: Collector Unknown: LACM: 1 [1 - **1**] - Omaruru, 30 km NW: ?: Collector Unknown: LACM: 4 [4 - **4**] - Omaruru, 37 km N, 27 km W and 100 km W Eausiro: Lester, L.A.: LACM: 2 [2 - **2**] - Ombalantu: ?: Collector Unknown: SMW: 3 [3]; : TM: 1 [1 - **4**] - Ombika: ?: Collector Unknown: SMW: 1 [1 - **1**] - Ombombo: Ipa; Shortridge, Guy Chester (Captain): ZMB: 1 [1 - **1**] - Ombonde: ?: Collector Unknown: SMW: 4 [4 - **4**] - Ombu: ?: Collector Unknown: AMNH: 1 [1 - **1**] - Omburo [=Omburu]: Schinz, Heinrich Rudolph: ZMB: 1 [1 - **1**] - Omega: ?: Collector Unknown: SMW: 4, TM: 1 [5 - **5**] - Ondongera: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - Ondongwa: Shortridge, Guy Chester: BMNH: 7 [7 - **7**] - Opuwo: : KM: 1 [1 - **1**] - Opuwo, 70 km NW: ?: Collector Unknown: LACM: 1 [1 - **1**] - Opuwo, 70 km S: ?: Collector Unknown: LACM: 6 [6 - **6**] - Opuwo, E: : KM: 1 [1 - **1**] - Opuwo, N: : KM: 2 [2 - **2**] - Opuwo, S: : KM: 3 [3 - **3**] - Opuwo, SE: : KM: 2 [2 - **2**] - Orongo Water Camp: ?: Collector Unknown: SMW: 1 [1 - **1**] - Orumpembe: ?: Collector Unknown: LACM: 1 [1 - **1**] - Otavi, 8 km S: ?: Collector Unknown: LACM: 1 [1 - **1**] - Otgrot: ?: Collector Unknown: SMW: 1 [1 - **1**] - Otjihavera: ?: Collector Unknown: SMW: 1 [1 - **1**] - Otjikoko: ?: Collector Unknown: SMW: 1 [1 - **1**] - Otjikoko-Sud: ?: Collector Unknown: SMW: 2 [2 - **2**] - Otjimbingue: Hahn: ZMB: 12 [12 - **12**] - Otjitotongwe Farm: Benda, Petr: NMP: 1 [1 - **1**] - Otjiwarongo: : KM: 4 [4 - **4**] - Otjiwarongo, 60 km SE: ?: Collector Unknown: LACM: 1 [1 - **1**] - Otjlhauera: ?: Collector Unknown: SMW: 1 [1 - **1**] - Otjoro [=Otjihoro]: ?: Collector Unknown: BMNH: 2 [2]; Andersson; Tomes: ZMB: 1 [1 - **3**] - Otjosongombe, Waterberg: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Otjovasando: ?: Collector Unknown: SMW: 1 [1 - **1**] - Otjozondjupa: ?: Collector Unknown: KM: 2 [2 - **2**] - Otjumbumbi: Shortridge, Guy Chester: BMNH: 2, KM: 1 [3 - **3**] - Outjo: : KM: 1 [1]; Zumpt, Frits Konrad Ernst: BMNH: 3, SMNS: 2 [5 - **6**] - Outjo, 40 km NE: ?: Collector Unknown: LACM: 1 [1 - **1**] - Outjo, NW: : KM: 2 [2 - **2**] - Outjo, SW: ?: Collector Unknown: SMW: 2 [2]; : KM: 2 [2 - **4**] - Outjo, W: : KM: 2 [2 - **2**] - Pipistrelle Cave: ?: Collector Unknown: SMW: 2 [2 - **2**] - Quickborn: ?: Collector Unknown: TM: 2 [2]; Bradfield, R.D.: TM: 1 [1 - **3**] - Rehoboth: ?: Collector Unknown: USNM: 1 [1 - **1**] - Rehoboth, 20 km NW: ?: Collector Unknown: LACM: 3 [3 - **3**] - Rooibank: ?: Collector Unknown: SMW: 1 [1 - **1**] - Ruacana: ?: Collector Unknown: SMW: 1 [1 - **1**] - Rundu [=Grootfontein] district: ?: Collector Unknown: KM: 3 [3 - **3**] - Rundu, 66 km S: ?: Collector Unknown: LACM: 1 [1 - **1**] - Rundu, 75 km S: ?: Collector Unknown: LACM: 1 [1 - **1**] - Rundu, 75 km SE: ?: Collector Unknown: LACM: 1 [1 - **1**] - Rundu, E: : KM: 1 [1 - **1**] - Rundu, S: : KM: 3 [3 - **3**] - Rundu, SE: : KM: 4, TM: 1 [5 - **5**] - Samsitu campsite: ?: Collector Unknown: TM: 1 [1 - **1**] - San Michelle: ?: Collector Unknown: SMW: 5 [5 - **5**] - Sesfontein: ?: Collector Unknown: SMW: 1 [1]; Benda, Petr: NMP: 1 [1 - **2**] - Sinclair Mine: ?: Collector Unknown: SMW: 3 [3 - **3**] - Sinclair Mine, Luderitz: ?: Collector Unknown: SMW: 1 [1 - **1**] - Skeleton Coast NP: ?: Collector Unknown: SMW: 1 [1 - **1**] - Sonnleiten 78: ?: Collector Unknown: SMW: 1 [1 - **1**] - Spitzkopje: Püschel: ZMB: 1 [1 - **1**] - Ssannakanu village: ?: Collector Unknown: KM: 8 [8 - **8**] - Swartbooisdrift: ?: Collector Unknown: SMW: 1 [1 - **1**] - Swartkop: ?: Collector Unknown: TM: 5 [5 - **5**] - Talana: ?: Collector Unknown: SMW: 1 [1 - **1**] - Terrace Bay: ?: Collector Unknown: SMW: 1 [1 - **1**] - Tsumamas,Outjo: ?: Collector Unknown: SMW: 1 [1 - **1**] - Tsumkwe: ?: Collector Unknown: SMW: 1 [1 - **1**] - Uis: ?: Collector Unknown: SMW: 2 [2 - **2**] - Ukualuisi: Shortridge, Guy Chester: BMNH: 6 [6 - **6**] - Ukualukasi: Shortridge, Guy Chester: BMNH: 15 [15 - **15**] - Walfischbay [=Walvis Bay]: Belk: ZMB: 1 [1 - **1**] - Waterberg: ?: Collector Unknown: SMW: 1 [1 - **1**] - Waterberg 416: ?: Collector Unknown: SMW: 1 [1 - **1**] - Waterberg, 416: ?: Collector Unknown: SMW: 2 [2 - **2**] - Welverdiend 328: ?: Collector Unknown: SMW: 1 [1 - **1**] - West End: ?: Collector Unknown: SMW: 1 [1 - **1**] - Wilhelmstal, 47 km S: ?: Collector Unknown: LACM: 1 [1 - **1**] - Windhoek: ?: Collector Unknown: SMW: 3 [3]; : KM: 1 [1]; Lübbert: ZMB: 4 [4]; Shortridge, Guy Chester: BMNH: 1 [1 - **9**] - Windhoek, 81 km SW: ?: Collector Unknown: LACM: 1 [1 - **1**] - Windhuk: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - Witvlei: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Xnmakora: ?: Collector Unknown: SMW: 1 [1 - **1**] - Zwartmodder 101: ?: Collector Unknown: SMW: 3 [3 - **3** - **516**].

Niger: Unknown locality: ?: Collector Unknown: BMNH: 3 [3 - **3**] - Arlit: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Batrakum: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bilma: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bourem: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Chirfa: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Niamey: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Tapoa: Pöche, R.M.: USNM: 1 [1 - **1**] - Tillaberi region: ?: Collector Unknown: SMF: 2 [2 - **2**] - Zinder, near: ?: Collector Unknown: MNHN: 2 [2 - **2** - **21**].

Nigeria: Unknown locality: ?: Collector Unknown: BMNH: 219, ZMA: 10 [229]; : BMNH: 1 [1]; Bergmans, Wim: ZMA: 1 [1]; Beron, Petar: ZMA: 5 [5 - **236**] - Abo: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Abonnema: Ansorge, William John: BMNH: 3 [3 - **3**] - Abulschi: : BMNH: 1 [1 - **1**] - Afon: Geest, Julius C.: USNM: 12 [12 - **12**] - Alabe: Ebungbola, L.D.: BMNH: 1 [1 - **1**] - Apapa: ?: Collector Unknown: HZM: 1 [1 - **1**] - Araba: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Arusua: Bergmans, Wim: ZMA: 4 [4 - **4**] - Asaba: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 2 [2]; Crofse, H.: BMNH: 1 [1 - **4**] - Bacita: Mees, Gerolf Fokko: RMNH: 21 [21 - **21**] - Benin: Squire, H.H.: BMNH: 1 [1 - **1**] - Benin [City]: Allison, F.R.: BMNH: 1 [1 - **1**] - Benin-City: Whitley, J. C.: BMNH: 1 [1 - **1**] - Borgu Game Reserve: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Calabar: :

BMNH: 1 [1]; Bergmans, Wim: ZMA: 2 [2]; Robb, A.: BMNH: 3 [3 - **6**] - Chappal Waddi: ?: Collector Unknown: SMNS: 2, ZFMK: 1 [3 - **3**] - Elem Kalabari [= Old Calabar]: Robb, A.: BMNH: 1 [1 - **1**] - Felele: Geest, Julius C.: USNM: 3 [3 - **3**] - Gangirwal: ?: Collector Unknown: SMNS: 2, ZFMK: 2 [4 - **4**] - Gudi, 3 mi E: Geest, Julius C.: USNM: 2 [2 - **2**] - Ibadan: : BMNH: 7, ZMUI: 17 [24]; Akpan, S.B.: USNM: 1 [1]; Bergmans, Wim: ZMA: 7 [7]; Cozens, A.B.: BMNH: 1 [1]; Geest, Julius C.: USNM: 1 [1]; Nielsen: BMNH: 1 [1]; Rosevear, Donovan Reginald: BMNH: 1 [1]; Sibley, Fred C.: BMNH: 3 [3]; Taylor, K.D.: BMNH: 2 [2 - **41**] - Ife: Bergmans, Wim: ZMA: 2 [2 - **2**] - Igbetti: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Ikotmbo: Sanderson, Ivan T.: BMNH: 2 [2 - **2**] - Jauro Masali: ?: Collector Unknown: SMNS: 5, ZFMK: 5 [10 - **10**] - Jebba: Abadic: BMNH: 1 [1 - **1**] - Jos: ?: Collector Unknown: BMNH: 1 [1]; Bergmans, Wim: ZMA: 4 [4]; Beron, Petar: ZMA: 80 [80]; Gyamgzi: ZMA: 2 [2 - **87**] - Kabwir: ?: Collector Unknown: BMNH: 1 [1]; Fox, G.J.: BMNH: 1 [1 - **2**] - Kaduna: Start, Anthony N.; Watson, M.: BMNH: 1 [1 - **1**] - Kano: Buchanan, Angus: BMNH: 1 [1 - **1**] - Karaduwa: Geest, Julius C.: USNM: 4 [4 - **4**] - Kudu: Geest, Julius C.: USNM: 8 [8 - **8**] - Kwa River: Talbot, P.A.: BMNH: 1 [1 - **1**] - Lagos: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1]; Dobson, George Edward: BMNH: 1 [1]; Gerrard: ZMB: 2 [2]; Moloney, Alfred: BMNH: 1 [1]; Pearse, A.S.: BMNH: 1 [1]; Salmin: ZMB: 3 [3 - **10**] - Leekie: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Leinde Fadali: ?: Collector Unknown: SMNS: 2, ZFMK: 1 [3 - **3**] - Maiduguru: : BMNH: 3 [3 - **3**] - Makurdi: Beron, Petar: ZMA: 2 [2 - **2**] - Mianga, road: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mkar: Bergmans, Wim: ZMA: 2 [2 - **2**] - Molai Forest Reserve: ?: Collector Unknown: HZM: 1 [1 - **1**] - Nassarawa: Cator, D.: BMNH: 1 [1 - **1**] - Niger River, lower: ?: Collector Unknown: USNM: 1 [1 - **1**] - N'ko: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Numan: ?: Collector Unknown: BMNH: 1 [1]; Jones, Theo Simpson: BMNH: 3 [3 - **4**] - Oban: : BMNH: 1 [1]; Delamere: BMNH: 1 [1]; Talbot, P.A.: BMNH: 2 [2 - **4**] - Obudu: Happold, David C.D.: BMNH: 1 [1 - **1**] - Ogbunike: Awachie, J.B.E.: BMNH: 1 [1 - **1**] - Old Calabar: ?: Collector Unknown: BMNH: 1, NMV: 1 [2]; Spurrell, H.G.F.: BMNH: 1 [1 - **3**] - Old Calabar river: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Pandam Wildlife Park: Bergmans, Wim: ZMA: 33 [33 - **33**] - Panyam [Fish Farm]: Fox, G.J.: BMNH: 1 [1]; Geest, Julius C.: USNM: 2 [2 - **3**] - Parniso: Geest, Julius C.: USNM: 4 [4 - **4**] - Plateau state: ?: Collector Unknown: SMF: 11 [11 - **11**] - Shagamu: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Shasha Forest Reserve: Happold, David C.D.: ZMUI: 1 [1 - **1**] - Sokoto: ?: Collector Unknown: BMNH: 1 [1]; Herbert, H.J.: USNM: 1 [1 - **2**] - Tangaza: Geest, Julius C.: USNM: 5 [5 - **5**] - Tsanchaga: Geest, Julius C.: USNM: 3 [3 - **3**] - Umuahia: ?: Collector Unknown: BMNH: 2 [2]; : BMNH: 1 [1]; Cozens, A.B.: BMNH: 2 [2 - **5**] - Wase Rock: Dunger, G.T.: BMNH: 1 [1 - **1**] - West province: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Western province: Kitson, A.E.: BMNH: 1 [1 - **1**] - Yelwa: ?: Collector Unknown: SMNS: 4, ZFMK: 4 [8 - **8**] - Yo: Jones, Theo Simpson: BMNH: 4 [4 - **4**] - Yoruba: Krauss: ZMB: 1 [1]; Mann: SMNS: 1 [1 - **2**] - Zaria: Nash, T.A.: BMNH: 1 [1 - **1**] - Zaria province: Francis, A.C.: BMNH: 1 [1 - **1**] - Zaria, 15 mi NW: Herbert, H.J.: USNM: 2 [2 - **2** - **598**].

Portugal: São Miguel Island: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Réunion: Bourbon, île [=Réunion]: ?: Collector Unknown: ZMB: 1 [1]; Boucard, Adolphe: ZMB: 2 [2]; Verreaux, Jules Pierre: ZMB: 2 [2 - **5**] - Réunion and Madagascar: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Réunion Island: ?: Collector Unknown: MNHN: 8 [8]; Grandidier Collection, The; de Kerveg, R.: MCZ: 6 [6]; Lantz, M.: MNHN: 3 [3]; Maillard, M.: MNHN: 1 [1]; Morel, G.: FMNH: 2 [2]; Pollen, F.: ZMB: 2 [2]; Voyage de Mac…, Le: RMNH: 1 [1 - **23**] - Saint-Gilles: ?: Collector Unknown: MNHN: 8 [8 - **8**] - St Benoit, near: ?: Collector Unknown: MNHN: 2 [2 - **2** - **39**].

Rwanda: Unknown locality: ?: Collector Unknown: BMNH: 2 [2]; Start, Anthony N.: BMNH: 2 [2 - **4**] - Astrida: Antwerp Zoo, The: RMCA: 1 [1]; Fain, Alexandre: BMNH: 1, MHNG: 1, RMCA: 1 [3]; Vercammen, P.G.: RMCA: 1 [1 - **5**] - Bilalu: ?: Collector Unknown: INPBC: 2 [2 - **2**] - Butare: Baeten, Benny: RMCA: 11 [11]; Fain, Alexandre: RMCA: 1 [1 - **12**] - Cyili: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1**] - Gabiro: ?: Collector Unknown: INPBC: 78, RBINS: 1 [79]; Verhulst: RMCA: 2 [2 - **81**] - Gafunzo: Baeten, Benny; Janssens, Luc: RMCA: 13 [13 - **13**] - Gakoma: Svepel: ZMZ: 1 [1 - **1**] - Gihinga: ?: Collector Unknown: INPBC: 58 [58 - **58**] - Kagera National Park: ?: Collector Unknown: INPBC: 1, RBINS: 1 [2 - **2**] - Kakitumba: Verschuren, Jacques: INPBC: 1 [1 - **1**] - Kidaho: Baeten, Benny: RMCA: 18 [18 - **18**] - Kionja: Verschuren, Jacques: INPBC: 2 [2 - **2**] - Kisenyi: ?: Collector Unknown: INPBC: 1 [1]; Schouteden, Henri: RMCA: 1 [1]; Van Saceghem, R.: RMCA: 1 [1 - **3**] - Kissenji [=Gisenyi]: Köhl: ZMB: 1 [1]; Stegmann-Stein: ZMB: 5 [5 - **6**] - Lugarama: ?: Collector Unknown: INPBC: 24 [24 - **24**] - Magachi: ?: Collector Unknown: INPBC: 9 [9 - **9**] - Mihindi, lake: ?: Collector Unknown: INPBC: 87 [87 - **87**] - Mugarura: Schubolz, H.: ZMB: 3 [3]; Stegmann-Stein: ZMB: 10 [10 - **13**] - Muluchu: Verschuren, Jacques: INPBC: 7 [7 - **7**] - Mutura: Baeten, Benny; Janssens, Luc: RMCA: 2 [2 - **2**] - Nyakichozi: ?: Collector Unknown: INPBC: 2 [2 - **2**] - Nyumba cave: Fain, Alexandre: BMNH: 6 [6 - **6**] - Rwankalo: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Shyanda: Baeten, Benny; Janssens, Luc: RMCA: 3 [3 - **3** - **363**].

São Tomé and Principé: Unknown locality: ?: Collector Unknown: BMNH: 5, MNHN: 3 [8 - **8**] - Bóbó Cativo: ?: Collector Unknown: EBD: 1 [1 - **1**] - Cascata: Haft, J.: SMNS: 2 [2 - **2**] - Generosa: ?: Collector Unknown: SMTD: 1 [1 - **1**] - Macambrara: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Port Sao Tome: : BMNH: 1 [1 - **1**] - Praia das Conchas: Feiler, Alfred; Günther, R.: ZMB: 6 [6 - **6**] - Principé: : BMNH: 3 [3 - **3**] - Principé Island: : EBD: 1 [1]; Dohrn, Felix Anton: ZMB: 1 [1 - **2**] - San Antonio: ?: Collector Unknown: EBD: 1 [1 - **1**] - San Nicolas: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Santo Amaro: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Sao Tome: : BMNH: 2, USNM: 1 [3 - **3**] - São Tomé island: : BMNH: 1, EBD: 1 [2 - **2** - **33**].

Saudi Arabia: Al Muwaylih [=Mohila]: ?: Collector Unknown: SMF: 1 [1 - **1**] - Dhahran: ?: Collector Unknown: CAS: 1 [1 - **1** - **2**].

Senegal: Unknown locality: ?: Collector Unknown: BMNH: 10, FMNH: 2, MNHN: 31, RBINS: 2 [45]; : RMNH: 2, ZMA: 1 [3]; Cabot, M.: FMNH: 5 [5]; de Selys-Longschamps, Edmond: RBINS: 1 [1]; Doria, Giacomo: ZMB: 1 [1]; Herdson, D.: BMNH: 1 [1]; Riggenbach: ZMB: 1 [1]; Scherer: ZMB: 12 [12]; Sokolowski: ZMB: 1 [1]; Steindachner, Franz: MCZ: 1 [1]; Taufflieb, R.: MNHN: 5 [5 - **76**] - Adiaré: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Assirik: ?: Collector Unknown: IVB: 1 [1]; : IVB: 1 [1 - **2**] - Bakel: ?: Collector Unknown: BMNH: 1 [1]; Lataste collection, The: BMNH: 1 [1 - **2**] - Bandia: ?: Collector Unknown: MNHN: 156 [156 - **156**] - Bow: ?: Collector Unknown: MNHN: 10 [10 - **10**] - Dagana: Spatz: ZMB: 15 [15 - **15**] - Dakar: ?: Collector Unknown: MNHN: 1 [1]; Davis, R.M.: USNM: 2 [2 - **3**] - Dakar Pasteur institute: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Diabane: Ames, P.L.: FMNH: 1 [1]; Cabot, M.: FMNH: 1 [1 - **2**] - Diadam: ?: Collector Unknown: IVB: 2 [2 - **2**] - Dialocote: Davis, R.M.: USNM: 17 [17]; Owen, G.F.: BMNH: 2 [2 - **19**] - Dindefelo: ?: Collector Unknown: IVB: 4 [4 - **4**] - Dindéfélo: ?: Collector Unknown: IVB: 2 [2 - **2**] - Diogué: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Diourbel: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ebarak: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Etiesse: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Gamon: Davis, R.M.: USNM: 1 [1 - **1**] - Goudiri: Davis, R.M.: USNM: 5 [5 - **5**] - Kaffrine: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kassas forest: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kedougou: Wonder, Frank C.: USNM: 1 [1 - **1**] - Kédougou: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Khombeul: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Koular: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Koutango: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Lagbar, 10 km S: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Lagbar, 10 km SE: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Lodé: ?: Collector Unknown: MNHN: 8 [8 - **8**] - Matam: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Mbout [=Mbeute]: Spatz: ZMB: 20 [20 - **20**] - Missirah Saloum: Verschuren, Jacques: RBINS: 1 [1 - **1**] - Mount Assirik: ?: Collector Unknown:

IVB: 1 [1 - **1**] - Ndoro: Riggenbach: ZMB: 2 [2 - **2**] - N'gari: ?: Collector Unknown: MNHN: 12 [12]; Chateau, R.: MHNG: 1 [1 - **13**] - Niangné: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Niokolo Koba NP, Dar Salam: ?: Collector Unknown: IVB: 3 [3 - **3**] - Niokolo Koba NP, Dindefelo: ?: Collector Unknown: IVB: 2 [2 - **2**] - Niokolo Koba NP, Simenti: ?: Collector Unknown: IVB: 6 [6 - **6**] - Niokolo-Koba: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Pete Ole: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Pire Gouveye: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Richard Toll: ?: Collector Unknown: MNHN: 53 [53]; Steindachner, Franz: MCZ: 1 [1 - **54**] - Richard-Toll: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Saboya: ?: Collector Unknown: MNHN: 32 [32]; Simonkovitch, E.: MNHN: 1 [1 - **33**] - Sangalkam: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Sénégal River: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Senegal, Upper: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Silacounta: ?: Collector Unknown: MNHN: 53 [53 - **53**] - Snake Island: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Tabadienke: Weidholz, Alfred: NMW: 6 [6 - **6**] - Thiès: Riggenbach: ZMB: 4 [4]; Rippenbach: BMNH: 1 [1 - **5**] - Touré: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Yonofere: ?: Collector Unknown: MNHN: 4 [4 - **4** - **568**].

Seychelles: Unknown locality: ?: Collector Unknown: BMNH: 5, MNHN: 4, ZMB: 2 [11]; Mason, G.W.E.: RMNH: 1 [1 - **12**] - Aldabra: : FMNH: 2 [2 - **2**] - Aldabra Island: Abbott, William Louis: USNM: 4 [4 - **4**] - Amirante Island: ?: Collector Unknown: BMNH: 1 [1]; Parcon, K.: BMNH: 1 [1 - **2**] - Grand Anse: : BMNH: 3 [3]; Racey, Paul A.: BMNH: 2 [2 - **5**] - Grande Anse: ?: Collector Unknown: BMNH: 15 [15 - **15**] - La Digue: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mahé: ?: Collector Unknown: MNHN: 2 [2]; Sapsworth, A.D.: BMNH: 2 [2 - **4**] - Mahe Island: ?: Collector Unknown: BMNH: 1, MNHN: 4 [5]; Lanz: MNHN: 1 [1 - **6**] - Mariane: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Marianne Island: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Praslin island: ?: Collector Unknown: BMNH: 2 [2]; : BMNH: 6 [6]; Mason, G.W.E.: ZMA: 1 [1 - **9**] - Seychelles, small islands near: Abbott, William Louis: USNM: 3 [3 - **3**] - Silhouette: : BMNH: 2 [2]; Gardiner, J. Stanley: BMNH: 1 [1 - **3**] - Silhouette Island: ?: Collector Unknown: BMNH: 8 [8]; Gardiner, J. Stanley: BMNH: 1 [1 - **9**] - South Island, Takamaka Grove: Hutson, Anthony Michael: BMNH: 5 [5 - **5** - **83**].

Sierra Leone: Unknown locality: ?: Collector Unknown: BMNH: 223, USNM: 112 [335]; : BMNH: 5 [5]; Burton, M.: MCZ: 1 [1]; Dobson, George Edward: USNM: 1 [1]; Hickman, J.: BMNH: 1 [1]; Royal Army Medical College, The: BMNH: 1 [1 - **344**] - 100 miles off the coast of Sierra Leone: : BMNH: 1 [1 - **1**] - Bo: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1]; Todd, A.: HZM: 1 [1 - **3**] - Bo School: ?: Collector Unknown: HZM: 1 [1 - **1**] - Bonthe: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 2 [2]; Jones, Theo Simpson: BMNH: 2 [2]; Volz, W.: NMBE: 6 [6 - **11**] - Freetown: Johnston, Harry H.: BMNH: 1 [1]; Jones, Theo Simpson: BMNH: 1 [1 - **2**] - Kabala: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kassewa Forest Reserve: Menzies, James Ian: BMNH: 2 [2 - **2**] - Levuma: Richards, Jh.C.N.: ZMA: 1 [1 - **1**] - Makeni: ?: Collector Unknown: BMNH: 1 [1]; Allison, F.R.: BMNH: 2 [2 - **3**] - Musaia: Allison, F.R.: BMNH: 2 [2 - **2**] - Newton: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Njala: Jones, Theo Simpson: BMNH: 6 [6 - **6**] - no specific locality: ?: Collector Unknown: BMNH: 1 [1]; Smith, F.C.: BMNH: 1 [1 - **2**] - Outamba-Kilimi-NP: ?: Collector Unknown: USNM: 3 [3 - **3**] - Rokupr: : BMNH: 1 [1 - **1**] - Saltpan, near: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - Scaries river: Jones, Theo Simpson: BMNH: 1 [1]; Scott Elliot, G.: BMNH: 2 [2 - **3**] - Sierra Leone: Dobson, A.F.: ZFMK: 1 [1]; Jones, Theo Simpson: BMNH: 1 [1 - **2**] - Tasso island: ?: Collector Unknown: BMNH: 1 [1]; Lowe, Willoughby P.: BMNH: 1 [1 - **2**] - Tonkilili district: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Waterloo: Jones, Theo Simpson: BMNH: 2 [2 - **2** - **395**].

Somalia: Unknown locality: ?: Collector Unknown: BMNH: 26 [26]; Varty, Nigel: BMNH: 22 [22 - **48**] - Afgoi: ?: Collector Unknown: MNHN: 2 [2]; de Selys-Longschamps, Edmond: USNM: 1 [1 - **3**] - Afmadu: ?: Collector Unknown: MZUF: 2 [2 - **2**] - Barawa: Hildebrandt, Johann Maria: ZMB: 1 [1 - **1**] - Bender Cassim: Scortecci, G.: MSNM: 4 [4 - **4**] - Bulo Burti: Schlitter, Duane Albert: CM: 25 [25 - **25**] - Burao: Berry, G.W.: BMNH: 1 [1 - **1**] - Callis: ?: Collector Unknown: MZUF: 3 [3 - **3**] - Chisimaio: Ward, C?: BMNH: 2 [2 - **2**] - Dowa: Tribe, A.R.: BMNH: 3 [3 - **3**] - El-Bur: Bovone, E.: MSNM: 1 [1 - **1**] - Giohar: ?: Collector Unknown: MZUF: 1 [1 - **1**] - Grotta di Showli Berdi: ?: Collector Unknown: MZUF: 9 [9 - **9**] - Hargeisa: Osman Hill, W.C.; Tribe, A.R.: BMNH: 1 [1 - **1**] - Jamaame: Schlitter, Duane Albert: CM: 18 [18 - **18**] - Jubba Valley, Shonto Forest: Varty, Nigel: BMNH: 1 [1 - **1**] - Kismaju [=Kismayu]: von Erlanger, C.: ZMB: 2 [2 - **2**] - Libsoma farm: Schlitter, Duane Albert: CM: 34 [34 - **34**] - Mogadischu [=Mogadishiu =Moqdisho]: Müller: ZMB: 48 [48 - **48**] - Mogadiscio: ?: Collector Unknown: MSNM: 1 [1 - **1**] - Mount Fink: ?: Collector Unknown: MNHN: 5 [5 - **5**] - no specific locality: ?: Collector Unknown: ZMB: 1 [1]; Müller: ZMB: 4 [4 - **5**] - Pozzi Meddo Erelle: Bottego, Vittorio: MSNG: 1 [1 - **1**] - Ruspoli: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Shoonto forest: Varty, Nigel: BMNH: 1 [1 - **1**] - Snai Sugar Plantation: Schlitter, Duane Albert: CM: 71 [71 - **71**] - Somalia: ?: Collector Unknown: MZUF: 1 [1]; Chandler, W.A.: USNM: 1 [1]; Revoil: MNHN: 4 [4 - **6**] - Unknown locality: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Upper Sheikh: ?: Collector Unknown: BMNH: 1 [1]; Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **2**] - Zeila [=Saylac]: von Erlanger, C.: ZMB: 2 [2 - **2** - **303**].

South Africa: Unknown locality: ?: Collector Unknown: BMNH: 105, DNSM: 1, HZM: 1, MSNG: 1, RMNH: 2, SAMC: 1, SMF: 1, SRSITE: 1, TM: 2 [115]; : AMNH: 1 [1]; Brandt: ZMB: 1 [1]; Larson, Thomas ("Tom"): AMNH: 9 [9]; Radinsky, Leonard B.: FMNH: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2]; Smit, H.A.W.: RMNH: 1 [1]; Swanepoel, Pierre: TTU: 2 [2 - **132**] - "Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: ?: Collector Unknown: BMNH: 1 [1]; Boncard, A.: MSNG: 1 [1]; Layard, Edgar Leopold: MCZ: 1 [1]; Verreaux, Jules Pierre: MNHN: 4 [4]; Ward, Henry Augustus: MCZ: 1 [1 - **8**] - 13 km E Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 38 Andries Street: Roberts, Austin: TM: 1 [1 - **1**] - 5 km N Potgietersrus: ?: Collector Unknown: TM: 2 [2 - **2**] - Aberdeen: : KM: 2 [2 - **2**] - Albany district: ?: Collector Unknown: SAMC: 1 [1]; : KM: 7 [7 - **8**] - Alexandria: : KM: 2 [2 - **2**] - Algeria Forest Research Station: ?: Collector Unknown: MMK: 1 [1 - **1**] - Alma: ?: Collector Unknown: TM: 2 [2 - **2**] - American cave: ?: Collector Unknown: TM: 1 [1 - **1**] - Anthrax camp: ?: Collector Unknown: TM: 3 [3 - **3**] - Augrabies Falls NR: ?: Collector Unknown: MMK: 1 [1 - **1**] - Augrabies Falls-NP: ?: Collector Unknown: MMK: 1 [1 - **1**] - Augrabies Falls-NP, causway: ?: Collector Unknown: MMK: 1 [1 - **1**] - Babanango: : KM: 2 [2 - **2**] - Barberton: ?: Collector Unknown: TM: 2 [2 - **2**] - Barberton, 14 km NW: Liversedge, S.J.: USNM: 2 [2]; Robbins, Lynn W.: CM: 1 [1 - **3**] - Barberton, 3 km SW: ?: Collector Unknown: USNM: 1 [1 - **1**] - Barkley East: : KM: 3 [3 - **3**] - Barkley West: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Bassoutos country: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bassutoland: Christol, Frédéric: MNHN: 1 [1 - **1**] - Bathurst: : KM: 3 [3 - **3**] - Bedford: : KM: 2, TM: 1 [3 - **3**] - Bedford, SE: : KM: 2 [2 - **2**] - Belvedere: ?: Collector Unknown: NRM: 1 [1 - **1**] - Bergplaas: Palmer, Guy: SAMC: 1 [1 - **1**] - Bishopstowe cave: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 2 [2 - **2**] - Blaney Nature Reserve: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Bloemfontein, 21 km N: ?: Collector Unknown: USNM: 1 [1 - **1**] - Bloemhoef District: : TM: 1 [1 - **1**] - Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Blyde River Canyon [=Blyderivier Blyderivierspoort] Nature Reserve: van der Merwe, J.: TM: 1 [1 - **1**] - Blyde River Canyon [=Blyderivier, Blyderiverspoort] Nature Reserve: van der Merwe, J.: TM: 1 [1 - **1**] - Blyderivierspoort Nature Reserve, Bourkes Luck: ?: Collector Unknown: TM: 2 [2 - **2**] - Bonamanzi Game Reserve: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Bontebok NP: : KM: 1 [1 - **1**] - Botshabelo: Merenski: ZMB: 1 [1 - **1**] - Brakfontein, 18 km N: ?: Collector Unknown: USNM: 2 [2 - **2**] - Brakkloof: ?: Collector Unknown: TM: 1 [1 - **1**] - Brandfort: ?: Collector Unknown: TM: 5 [5 - **5**] - Bredasdorp: ?: Collector Unknown: NHMZ: 2 [2]; : KM: 1 [1 - **3**] - Bredasdorp, NW: : KM: 2 [2 - **2**] - Brits: ?: Collector Unknown: USNM: 1 [1 - **1**] - Buffelshoek, 22 km SE: ?: Collector Unknown: USNM: 1 [1 - **1**] - Buffelskloof Private Nature Reserve: Burrows, John; Cohen, Lientjie; Fernsby,

Nigel: TM: 1 [1 - **1**] - Bushman Cave: ?: Collector Unknown: SAMC: 3 [3 - **3**] - Bushman Cave, Montagu: : KM: 1 [1 - **1**] - Buzzard Mountain Retreat: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Caffraria: ?: Collector Unknown: MNHN: 1 [1]; Degrolle: ZMB: 1 [1 - **2**] - Calvinia: : KM: 2 [2 - **2**] - Camps Bay: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Cape: : BMNH: 1, SMF: 1 [2]; von Ludwig: SMNS: 2 [2 - **4**] - Cape Division: Frere, Bartle: SAMC: 1 [1]; Mann, W.F.: SAMC: 1 [1 - **2**] - Cape of Good Hope: ?: Collector Unknown: MNHN: 9, ZMB: 1 [10]; Bergius: ZMB: 1 [1]; Ecklon: ZMB: 1 [1]; Gerrard: ZMB: 1 [1]; Juritz: ZMB: 1 [1]; Krebs: ZMB: 2 [2]; Mundt: ZMB: 1 [1]; Mundt; Maire: ZMB: 1 [1 - **18**] - Cape province: ?: Collector Unknown: BMNH: 1 [1]; : AMNH: 1 [1 - **2**] - Cape Town: ?: Collector Unknown: DNSM: 1 [1]; : BMNH: 6 [6]; Layard, Edgar Leopold: MCZ: 3 [3]; Smith, Andrew: BMNH: 1 [1 - **11**] - Cape Town, 200 mi [=322 km] E: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Cape Town, Rondebosch: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Carter's Nurseries: : HZM: 2 [2 - **2**] - Cederberg, Algeria State Forest, campsite: ?: Collector Unknown: SAMC: 5, TM: 2 [7]; Kearney, Teresa Catherine; Seamark, Ernest Charles James: SAMC: 2 [2 - **9**] - Cederberg, Pakhuis Pass, Kliphuis camp site: ?: Collector Unknown: KM: 1, SAMC: 2 [3 - **3**] - Ceres, near: Roberts, Austin; Adendorff: TM: 1 [1 - **1**] - city centre: Maleka, Anna; Ndhlovu, Captain: TM: 1 [1 - **1**] - ClanwIlliam: : KM: 3 [3]; Visser, John: AMNH: 1 [1 - **4**] - Clanwilllam, NE: : KM: 1 [1 - **1**] - Craigadam: Porter, R.N.: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 5 [5 - **6**] - Culling camp: ?: Collector Unknown: TM: 2 [2 - **2**] - Cypris: ?: Collector Unknown: YPM: 1 [1 - **1**] - Danielskuil: ?: Collector Unknown: MMK: 2 [2 - **2**] - Danielskuil, 10 km N: ?: Collector Unknown: MMK: 3 [3 - **3**] - De Aar: : KM: 2 [2 - **2**] - de Hoek: ?: Collector Unknown: NHMZ: 1 [1]; Palmer, Guy: SAMC: 1 [1 - **2**] - De Hoek, Skeleton Cave: ?: Collector Unknown: TM: 6 [6 - **6**] - De Hoop, 24 km NNE: ?: Collector Unknown: USNM: 1 [1 - **1**] - De Hoop, 25 km NNE: ?: Collector Unknown: USNM: 1 [1 - **1**] - De Hoop, NR: ?: Collector Unknown: MMK: 1, SAMC: 4 [5 - **5**] - D'Nyala Provincial Nature Reserve: de Beer, T.: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2**] - Dongolakop: Pole Evans, I.B.: TM: 1 [1 - **1**] - Doornsloot: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Drakenburg Mountains: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Drakensig: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Dugundhlovu camp site: McLean, S.: TM: 1 [1 - **1**] - Dukuduku Forest: ?: Collector Unknown: TM: 2 [2]; Bronner, Gary Neil; *et al.*: TM: 1 [1 - **3**] - Dumisa Gold Mine: : KM: 1 [1 - **1**] - Durban: ?: Collector Unknown: BMNH: 3, DNSM: 2, KZNM: 2, MNHN: 1 [8]; Hahn, W.L.: ZMB: 1 [1]; Kearney, Teresa Catherine: DNSM: 1 [1]; Taylor, Peter John: HNHM: 1 [1]; Wahlberg, Johan August: BMNH: 1 [1 - **12**] - Durban North: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Durban North Area: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Durban, near: Visser, John: AMNH: 2 [2 - **2**] - Durban, probably: ?: Collector Unknown: DNSM: 11 [11 - **11**] - East London: ?: Collector Unknown: TM: 1 [1]; : KM: 4 [4 - **5**] - Elandsklip, P.K. Santa: Greyling, A.: TM: 1 [1 - **1**] - Elliotdale [= Xhora]: : KM: 1 [1 - **1**] - Ellisras, 8 km NE: ?: Collector Unknown: USNM: 1 [1 - **1**] - Encobo: : KM: 1 [1 - **1**] - Entumeni Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Escombe: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Estcourt: : KM: 1 [1 - **1**] - Farm Aasvogelrand-Oost 291: ?: Collector Unknown: NMB: 9 [9 - **9**] - Farm Berlin 446JT: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Buffel Rivier Poort: ?: Collector Unknown: KM: 5 [5 - **5**] - Farm Deelfontein: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Farm Duiwelskloof 376 [=Mokeetsi]: Maberly, C.J. Ashley: TM: 1 [1 - **1**] - Farm Faust 743: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Ferndale: Scholtz, C.: TM: 1 [1 - **1**] - Farm Florisbad 686: ?: Collector Unknown: NMB: 18 [18 - **18**] - Farm Gouna: ?: Collector Unknown: KM: 6 [6 - **6**] - Farm Harmony 140KT: ?: Collector Unknown: TM: 2 [2 - **2**] - Farm Hectorspruit: Streeter, F.: TM: 1 [1 - **1**] - Farm Helena 780: ?: Collector Unknown: NMB: 1 [1 - **1**] - Farm Kersefontein [=Berg River]: ?: Collector Unknown: TM: 3 [3 - **3**] - Farm Makapansgat, Makapan cave: ?: Collector Unknown: TM: 15 [15 - **15**] - Farm Makapansgat, Pepercorn's cave: ?: Collector Unknown: TM: 29 [29 - **29**] - Farm Modderfontein, Howel Davies Caves: ?: Collector Unknown: TM: 2 [2 - **2**] - Farm Mooigenoeg 83: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Farm Mooiplaas 94: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Farm Narap: ?: Collector Unknown: TM: 2 [2 - **2**] - Farm Northern Kakamas, behind cottages at Khamkirri: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 4 [4 - **4**] - Farm Ratsegaai 204: ?: Collector Unknown: TM: 14 [14 - **14**] - Farm Rietfontein, pt 16: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Rotspruit: ?: Collector Unknown: TM: 3 [3 - **3**] - Farm Schaapplaas 1785: ?: Collector Unknown: NMB: 2 [2 - **2**] - Farm Schaapplaats 930: Kearney, Teresa Catherine; Bogdanowicz, Wieslaw; Watson, Johan: TM: 1 [1 - **1**] - Farm Sterkfontein 173 IQ: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Sudwalaskraal 271JT: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Tygerkloof 354: ?: Collector Unknown: TM: 3 [3 - **3**] - Farm Uitkyk: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Welgedaan 292: ?: Collector Unknown: TM: 10 [10 - **10**] - Farm Welgevonden 449: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Farm Wonderfontein 103IQ: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Wonderfontein 103IQ, Wonderfontein Cave: ?: Collector Unknown: TM: 2 [2 - **2**] - Farm Zeekoegats Drift: ?: Collector Unknown: KM: 5 [5 - **5**] - Fauresmith District: ?: Collector Unknown: NM: 1 [1 - **1**] - Feather River: Fernsby, Nigel; Peinke, Dean M.; Peinke, Sacha: TM: 1 [1 - **1**] - Fig Tree Camp: ?: Collector Unknown: TM: 1 [1]; Wolhuter, David A.; *et al.*: TM: 1 [1 - **2**] - Figtree camp: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **5**] - Figtree forest: ?: Collector Unknown: TM: 2 [2]; Wolhuter, David A.; van der Merwe, N.J.: TM: 1 [1 - **3**] - Figtree forest, 4.8 km down stream of bridge: ?: Collector Unknown: TM: 2 [2 - **2**] - Flagstaff: : KM: 1 [1 - **1**] - Folderia: ?: Collector Unknown: TM: 2 [2 - **2**] - Fort Beaufort: : KM: 1 [1 - **1**] - Fort Hoek Trading store: ?: Collector Unknown: SAMC: 2 [2 - **2**] - Fountains: ?: Collector Unknown: USNM: 3 [3 - **3**] - Fram Middelwater 750: ?: Collector Unknown: NMB: 9 [9 - **9**] - Gamsberg Inselberg, Aggeneys: ?: Collector Unknown: MMK: 1 [1 - **1**] - Ganyesa: ?: Collector Unknown: MMK: 1 [1 - **1**] - Garsfontein: ?: Collector Unknown: TM: 1 [1 - **1**] - Gattis koppies: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Gerlachshoop: Grützner: ZMB: 1 [1 - **1**] - Gloria: ?: Collector Unknown: NMB: 5 [5 - **5**] - Goegab: Herselman, J.C.; Norton, Peter M.: KM: 2 [2 - **2**] - Goegap NR: ?: Collector Unknown: MMK: 1 [1 - **1**] - Goodhouse: ?: Collector Unknown: KM: 8, USNM: 1 [9 - **9**] - Graaff Reinet, 30 km SE: ?: Collector Unknown: USNM: 2 [2 - **2**] - Graaff Reinet, 40 km N: ?: Collector Unknown: USNM: 1 [1 - **1**] - Grahams Town: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Graham's Town: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Grahamstown: ?: Collector Unknown: BMNH: 1, MCZ: 5, MNHN: 1, NHMZ: 1, TM: 2 [10]; : ZMB: 1 [1]; Graham, K.: MCZ: 1 [1]; Grahamstown Museum, The: BMNH: 2 [2]; Smith, J.A.: BMNH: 1 [1 - **15**] - Grahamstown District: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Grahamstown, 12 km NW: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Grahamstown, 17 km SSW: ?: Collector Unknown: USNM: 1 [1 - **1**] - Greenwood Park: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Griekwastad, 25 km NNE: ?: Collector Unknown: MMK: 4 [4 - **4**] - Groendal Wilderness Area: ?: Collector Unknown: TM: 2 [2 - **2**] - Groot Marico, 8 km SE: : TM: 1 [1 - **1**] - Grootkloof: Neser, Walter: TM: 1 [1 - **1**] - Hagesdam: ?: Collector Unknown: NMB: 1 [1 - **1**] - Hankey: : KM: 3 [3 - **3**] - Hartebeestpoort Dam: : TM: 1 [1 - **1**] - Hatfield: ?: Collector Unknown: TM: 1 [1 - **1**] - Hectorspruit: ?: Collector Unknown: SAMC: 1, TM: 1 [2]; Streeter, F.: TM: 2 [2 - **4**] - Heidelberg: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Hennops River: ?: Collector Unknown: TM: 3 [3 - **3**] - Hillcrest: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Hlabisa: : KM: 7 [7 - **7**] - Hluhluwe Game Reserve: ?: Collector Unknown: NM: 1 [1 - **1**] - Hluhluwe Game Reserve, Research camp: ?: Collector Unknown: TM: 1 [1]; Bronner, Gary Neil: TM: 2 [2 - **3**] - Hoedspruit: ?: Collector Unknown: TM: 1 [1 - **1**] - Hondeklipbaai: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Honingkloof Farm: ?: Collector Unknown: NMB: 1 [1 - **1**] - Hopetown, near: : KM: 1 [1 - **1**] - Horo: ?: Collector Unknown: TM: 1 [1 - **1**] - Hotazel, 15 km WNW: ?: Collector Unknown: MMK: 1 [1 - **1**] - Humansdorp: : KM: 6 [6 - **6**] - Ingwavuma: ?: Collector

Unknown: TM: 1 [1]; Cooper, R.L.: TM: 1 [1 - **2**] - Insuzi river: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - Interior of Caffraria: ?: Collector Unknown: BMNH: 1, RMNH: 1 [2]; Stockholm museum, The: BMNH: 1 [1 - **3**] - Irene: ?: Collector Unknown: TM: 2 [2 - **2**] - Itala Game Reserve, sandstone cave: ?: Collector Unknown: TM: 12 [12 - **12**] - Itala Nature Reserve: : TM: 1 [1 - **1**] - Jagersfontein Commonage, Disused mine: ?: Collector Unknown: NMB: 44 [44 - **44**] - Jansenville, 12 km E: ?: Collector Unknown: USNM: 1 [1 - **1**] - Johannesburg: ?: Collector Unknown: TM: 1 [1 - **1**] - John Nash Nature Reserve: ?: Collector Unknown: USNM: 2 [2 - **2**] - Jonkershoek: Herselman, J.C.; Norton, Peter M.: KM: 1 [1 - **1**] - Kaap provincie [=Cape province]: Ecklon: NMW: 1 [1 - **1**] - Kaap river: Rendall, Percy: BMNH: 1 [1 - **1**] - Kaapse Hoop, Farm Drysdale: Lewis, E.: TM: 1 [1 - **1**] - Kabbefontein: ?: Collector Unknown: TM: 5 [5 - **5**] - Kaffaria: : KM: 1 [1 - **1**] - Kaffraria: ?: Collector Unknown: KM: 1 [1 - **1**] - Kaggasmoudt: ?: Collector Unknown: KM: 4 [4 - **4**] - Kakamas, 47 km NW: ?: Collector Unknown: MMK: 1 [1 - **1**] - Kalahari Gemsbok NP: ?: Collector Unknown: MMK: 2 [2 - **2**] - Kalahari Gemsbok-NP, Kameelsleep: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Kalahari-Gemsbok NP, Nossob: ?: Collector Unknown: USNM: 1 [1 - **1**] - Kanaan: ?: Collector Unknown: TM: 1 [1 - **1**] - Karoo-NP: ?: Collector Unknown: TM: 2 [2 - **2**] - Kenneth Stainbank Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Kgaswana Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1**] - Kimberley: ?: Collector Unknown: MMK: 1 [1 - **1**] - King WilIlam's Town: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - King William's Town: ?: Collector Unknown: KM: 15, NHMZ: 2, SAMC: 3 [20]; : KM: 5 [5 - **25**] - King William's Town, 18 km NW: ?: Collector Unknown: USNM: 2 [2 - **2**] - King Williamstown: ?: Collector Unknown: KM: 5 [5]; Vandeventer, W.: CM: 1 [1 - **6**] - King WilIlam's Town: : KM: 3 [3 - **3**] - King WIlllam's Town, 18 km NW: ?: Collector Unknown: USNM: 1 [1 - **1**] - King Wlillam's Town: : KM: 1 [1 - **1**] - King's Beach: : KM: 1 [1 - **1**] - Kingsburgh: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Klipfontein, Waterberg: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Knoffelfontein, 22 km S: ?: Collector Unknown: USNM: 1 [1 - **1**] - Knysna: ?: Collector Unknown: BMNH: 1, MNHN: 1, NHMZ: 1, SAMC: 2, TM: 11 [16]; : BMNH: 8, KM: 3 [11]; Rex, J.H.: TM: 5 [5 - **32**] - Koegelbeen Cave: ?: Collector Unknown: MMK: 4 [4 - **4**] - Koegelbeen Cave, near: ?: Collector Unknown: MMK: 1 [1 - **1**] - Komatipoort: ?: Collector Unknown: USNM: 1 [1 - **1**] - Komgha: : KM: 1 [1 - **1**] - Kosi Lake: Bronner, Gary Neil; *et al.*: TM: 1 [1 - **1**] - Kosi Lake, Department of Health Camp: ?: Collector Unknown: TM: 2 [2 - **2**] - Koster Caves: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Kranskloof Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1**] - Kruger National Park: ?: Collector Unknown: KNP: 1 [1 - **1**] - Kruger NP, Levuvhu Bridge: : KM: 3 [3 - **3**] - Kruger NP, Mockford's orchard, on Levubu River: : SNP: 6, TM: 1 [7 - **7**] - Kruger NR, Pafur: : KM: 1 [1 - **1**] - Kruger-NP: ?: Collector Unknown: SNP: 1 [1 - **1**] - Kruger-NP, Nwaswitshaka: ?: Collector Unknown: SNP: 1 [1 - **1**] - Kruger-NP, unspecified locality: ?: Collector Unknown: SNP: 1 [1 - **1**] - Krugersdorp: : KM: 2 [2 - **2**] - Kuruman: ?: Collector Unknown: BMNH: 1, MMK: 1, USNM: 1 [3]; Dent, R.E.: BMNH: 1 [1]; Fritsche: ZMB: 3 [3 - **7**] - Kuruman, 10 km SW: ?: Collector Unknown: MMK: 1 [1 - **1**] - Kuruman, 26 km S: ?: Collector Unknown: MMK: 1 [1 - **1**] - Kuruman, 29 km NW: ?: Collector Unknown: MMK: 1 [1 - **1**] - Kuruman, 44 km SSE: ?: Collector Unknown: MMK: 2 [2 - **2**] - Kuruman, the Eye: ?: Collector Unknown: MMK: 1, USNM: 1 [2 - **2**] - KwaZulu-Natal province: ?: Collector Unknown: BMNH: 6, CM: 3, DNSM: 2, MNHN: 1 [12]; Abraham, Sarah: MCZ: 1, YPM: 1 [2]; Obertin: USNM: 1 [1]; Smart, C.: HNHM: 1 [1]; Stopp, K.; Mumford, Russell E.: ROM: 1 [1 - **17**] - Kyalami Kennels: Scott, E.: TM: 1 [1 - **1**] - l'extérieur de l'Áfrique méridionale: ?: Collector Unknown: RMNH: 1 [1 - **1**] - La Montagne, 280 Rotsvygie Street: ?: Collector Unknown: TM: 1 [1 - **1**] - Ladismith: : KM: 1 [1 - **1**] - Lambert's Bay: : KM: 1 [1 - **1**] - Le Roux Farm: ?: Collector Unknown: TM: 1 [1 - **1**] - Legogot: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Lesetlheng: ?: Collector Unknown: NMP: 1 [1 - **1**] - Letaba Camp: ?: Collector Unknown: TM: 2 [2 - **2**] - Letaba Highwater Bridge: : TM: 1 [1 - **1**] - Letaba Ranch: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Levuvhu Hippopool: ?: Collector Unknown: TM: 26 [26]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 2 [2 - **28**] - Limpopo province: ?: Collector Unknown: TM: 7 [7 - **7**] - Lobatsi [intermittent stream]: Schultze: ZMB: 1 [1 - **1**] - Logogotu [=Legogot]: ?: Collector Unknown: BMNH: 3 [3 - **3**] - Loskopdam Nature Reserve: Cohen, Lientjie: TM: 1 [1 - **1**] - Louisvale: Hobson, L.; Shortridge, Guy Chester (Captain): BMNH: 1 [1]; Shortridge, Guy Chester: BMNH: 1, KM: 1 [2 - **3**] - Louisvale, Orange R. 2 km N: ?: Collector Unknown: USNM: 1 [1 - **1**] - Louws Creek: ?: Collector Unknown: USNM: 1 [1 - **1**] - Luchoff: ?: Collector Unknown: USNM: 1 [1 - **1**] - Lusikisiki: : KM: 4 [4 - **4**] - Lydenburg: Bachmann: ZMB: 3 [3]; Wilms, Friedrich: ZMB: 7 [7 - **10**] - Lydenburg Krantz: ?: Collector Unknown: TM: 7 [7 - **7**] - Lydenburg, 80 km ENE: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Lynnwood Glen, Delaware Street: ?: Collector Unknown: TM: 1 [1 - **1**] - Madikwe GR: ?: Collector Unknown: TM: 4 [4 - **4**] - Madimbo Military area: Ellis, S.: TM: 9 [9 - **9**] - Maditobe [= Witsand] Dam: ?: Collector Unknown: TM: 1 [1 - **1**] - Mahagala: ?: Collector Unknown: NMP: 1 [1 - **1**] - Malelane: ?: Collector Unknown: TM: 3 [3 - **3**] - Malelane, 12 km SW: ?: Collector Unknown: USNM: 3 [3 - **3**] - Malvern: ?: Collector Unknown: TM: 5 [5]; Jameson, Henry Paul William Lyster: TM: 5 [5 - **10**] - Manxeba windmill: ?: Collector Unknown: TM: 1 [1 - **1**] - Manzengwenya Forest Station: ?: Collector Unknown: TM: 4 [4 - **4**] - Maputa: ?: Collector Unknown: USNM: 2 [2 - **2**] - Margate, near: ?: Collector Unknown: HZM: 2 [2 - **2**] - Marie se Gat: ?: Collector Unknown: TM: 18 [18]; : TM: 1 [1 - **19**] - Mariepskop: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - Mariepskop Research Station: ?: Collector Unknown: TM: 5 [5 - **5**] - Marydale, 31 km NE: ?: Collector Unknown: MMK: 3 [3 - **3**] - Mata Mata camp: ?: Collector Unknown: MMK: 2 [2 - **2**] - Matubatuba: Visser, John: TM: 1 [1 - **1**] - Mazelsfontein: Herselman, J.C.; Norton, Peter M.: KM: 1 [1 - **1**] - Melmoth: Taylor, Peter John; *et al.*: DNSM: 1 [1 - **1**] - Merrivale: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Mfongosi: ?: Collector Unknown: SAMC: 3 [3 - **3**] - Mhlabatini: : KM: 1 [1 - **1**] - Mhlopeni Ranch: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Middelburg: Gow, C.: SAMC: 1 [1 - **1**] - Mission Rocks: LaVal, Richard K.: KU: 1 [1 - **1**] - Modderfontein, 3 km N: ?: Collector Unknown: USNM: 1 [1 - **1**] - Modimolle, 3 km NW: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mogale City [=Krugersdorp]: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Mokeetsi: ?: Collector Unknown: TM: 1 [1 - **1**] - Molopo Nature Reserve, swimming tank: ?: Collector Unknown: MMK: 2 [2 - **2**] - Molteno: : KM: 1 [1 - **1**] - Montagu: : KM: 2 [2 - **2**] - Montague caves: Dawson, F.: MCZ: 1 [1]; Phillips, E.I.: MCZ: 1 [1 - **2**] - Mooi River district: ?: Collector Unknown: NM: 3 [3 - **3**] - Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mosdene Private Nature Reserve: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Mount Ayliff: : KM: 1 [1 - **1**] - Mpofu Pan: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mqanduli: : KM: 1 [1 - **1**] - Msikaba river mouth: Roberts, Austin: TM: 1 [1 - **1**] - Msinga Pan: ?: Collector Unknown: NM: 1, USNM: 1 [2 - **2**] - Muggiesgat Cave: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Murraysburg, E: : KM: 1 [1 - **1**] - Murraysburg, NW of: ?: Collector Unknown: KM: 16 [16 - **16**] - Murraysburg, SW: : KM: 1 [1 - **1**] - Nahoon Point, 5 km S, 7.5 km W: Hart, A.H.: TTU: 1 [1 - **1**] - Namaqualand: : KM: 5 [5 - **5**] - Ndumu Game Reserve: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **6**] - near Stutterheim: ?: Collector Unknown: KM: 1 [1 - **1**] - Nelspruit: ?: Collector Unknown: TM: 3 [3]; Breyer, H.G.: TM: 1 [1 - **4**] - Nelspruit, 4 mi E, 2 mi S: ?: Collector Unknown: USNM: 1 [1 - **1**] - Nelspruit, 7 km E: ?: Collector Unknown: USNM: 1 [1 - **1**] - Nelspruit, near: Douglas, R.: TM: 1 [1 - **1**] - New Figtree Forest: ?: Collector Unknown: TM: 4 [4 - **4**] - New Mucklenuek, 351 Rey Street: ?: Collector Unknown: TM: 1 [1 - **1**] - Ngome Forest Reserve: ?: Collector Unknown: TM: 10 [10 - **10**] - Ngqeleni: ?: Collector Unknown: TM: 1 [1]; : KM: 3 [3 - **4**] - Ngqeleni district: Shortridge, Guy Chester: TM: 1 [1 - **1**] - Ngwavuma: : KM: 2 [2 - **2**] - Ngwenya Lodge: : TM: 1 [1 - **1**] - Nhlange, Lake: Kyle, R.: WAM: 10 [10 - **10**] - Nkandla Forest Reserve: : KM: 3 [3 - **3**] - Nongoma: : KM: 1 [1]; Erasmus, E.: TM: 2 [2 - **3**] - Norlim mine [=Buxton

mine]: Herselman, J.C.: KM: 5 [5 - **5**] - Nwanedzi River, old bridge over: ?: Collector Unknown: TM: 1 [1 - **1**] - Old Picnic Site: ?: Collector Unknown: TM: 8 [8]; Wolhuter, David A.; *et al.*: TM: 1 [1 - **9**] - Olifants River: ?: Collector Unknown: MMK: 2 [2]; Noome, F.O.: TM: 1 [1 - **3**] - Omdraaivlei: ?: Collector Unknown: TM: 1 [1 - **1**] - Onderstepoort: Veterinary Research Lab, The: TM: 1 [1 - **1**] - Orange River confluence: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Orange River, near south bank: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Oribi Gorge Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1**] - Ottoshoop: ?: Collector Unknown: USNM: 1 [1 - **1**] - Oviston NR: ?: Collector Unknown: MMK: 1 [1 - **1**] - Pafuri: ?: Collector Unknown: TM: 19 [19]; Schlitter, Duane Albert: CM: 2 [2 - **21**] - Pafuri area, Mockford's Garden: ?: Collector Unknown: TM: 11 [11]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **12**] - Pamfret, 18 km W: ?: Collector Unknown: MMK: 1 [1 - **1**] - Papkuil: ?: Collector Unknown: MMK: 1 [1 - **1**] - Pennington: ?: Collector Unknown: CM: 1 [1]; Robbins, Lynn W.: CM: 2 [2 - **3**] - Philipstown: : KM: 3 [3 - **3**] - Picnic site: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2**] - Piet Retief: : KM: 1 [1 - **1**] - Pietermaritzburg: ?: Collector Unknown: DNSM: 1, TM: 1 [2]; : KM: 5 [5]; Frichmunn, H.: USNM: 1 [1 - **8**] - Pietermaritzburg area: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Pietersburg: ?: Collector Unknown: TM: 2 [2 - **2**] - Pigeon Valley: ?: Collector Unknown: TM: 1 [1 - **1**] - Piquetburg: : KM: 3 [3 - **3**] - Piquetburg, N: : KM: 1 [1 - **1**] - Pirie Mission: ?: Collector Unknown: SAMC: 1, USNM: 1 [2]; : KM: 1 [1 - **3**] - Pirie, Pirie Mission: Godfrey, R.: SAMC: 7 [7 - **7**] - Plettenberg Bay: ?: Collector Unknown: NHMZ: 1, SAMC: 1 [2 - **2**] - Pofadder,42 km NE: ?: Collector Unknown: MMK: 1 [1 - **1**] - Pondoland: Bachmann: ZMB: 1 [1 - **1**] - Port Alfred: Penther, A.: NMW: 1 [1 - **1**] - Port Edward area: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Port Elisabeth: Braune: NMW: 1 [1 - **1**] - Port Elizabeth, King's Beach: ?: Collector Unknown: HZM: 1 [1 - **1**] - Port Elizabeth, S: : KM: 1 [1 - **1**] - Port Natal [=Durban]: Gueinzius: ZMB: 1 [1]; Mohr, Richard: ZMB: 1 [1]; Schlüter, A.: ZMB: 1 [1 - **3**] - Port Natal [=Durban], near: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Port Nolloth, 15 mi inland: Shortridge, Guy Chester: KM: 1 [1 - **1**] - Port St Johns: ?: Collector Unknown: SAMC: 2 [2]; : KM: 2 [2 - **4**] - Port St. Johns: ?: Collector Unknown: NHMZ: 1, SAMC: 3, TM: 7 [11]; Meester, Jurgens Anthonie Janse [=Waldo]: TM: 3 [3]; Swinny, H.H.: TM: 6 [6 - **20**] - Postmasburg, 21 km NNE: ?: Collector Unknown: MMK: 1 [1 - **1**] - Postmasburg, 24 km WSW: ?: Collector Unknown: MMK: 1 [1 - **1**] - Postmasburg, 25 km ENE: ?: Collector Unknown: MMK: 4 [4 - **4**] - Postmasburg, 6 km NE: ?: Collector Unknown: MMK: 3 [3 - **3**] - Potchefstroom: ?: Collector Unknown: SAMC: 2, TM: 1, USNM: 1 [4]; Jameson, E.: BMNH: 1 [1 - **5**] - Potgietersrus: Pretorius, H.: TM: 2 [2 - **2**] - Potgietersrus [= Mokopane], 25 km ESE: : TM: 1 [1 - **1**] - Pretoria: ?: Collector Unknown: TM: 4 [4]; : KM: 1 [1]; Haagner, Alwin Karl: TM: 2 [2]; Noome, F.O.: TM: 1 [1]; Roberts, Dr.: TM: 1 [1 - **9**] - Pretoria Zoo: ?: Collector Unknown: TM: 1 [1 - **1**] - Pretoria Zoological Gardens, near: Fernsby, Nigel: TM: 2 [2 - **2**] - Pretrusburg: ?: Collector Unknown: NMB: 1 [1 - **1**] - Prieska, 23 km NNW: ?: Collector Unknown: MMK: 3 [3 - **3**] - Prieska, 26 km NW: ?: Collector Unknown: MMK: 1 [1 - **1**] - Prieska, 4 km W: ?: Collector Unknown: MMK: 2 [2 - **2**] - Prieska, near: ?: Collector Unknown: MMK: 1 [1 - **1**] - Prince Albert: : KM: 2 [2 - **2**] - Punda Maria Camp: ?: Collector Unknown: TM: 1 [1 - **1**] - Punda Maria Camp, 2 km N: Koopman, Karl Friedrich: AMNH: 7 [7 - **7**] - Queensburgh: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ: Fernsby, Nigel: TM: 1 [1 - **1**] - Republic of South Africa: Hendy, Q.B.: OSU: 1 [1 - **1**] - Rhenosterkoppies: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **7**] - Richmond: : KM: 1 [1 - **1**] - Rissik Private Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8**] - Riversdale: : KM: 1 [1 - **1**] - Robertson: : KM: 1 [1 - **1**] - Rocher Pan Nature Reserve [=Rocher pan, Rocherpan]: Herselman, J.C.: KM: 1 [1 - **1**] - Rocherpan: Herselman, J.C.; Norton, Peter M.: KM: 1 [1 - **1**] - Rockcliff farm: ?: Collector Unknown: TM: 1 [1 - **1**] - Roodevaal Private Camp, 2 km SE: ?: Collector Unknown: TM: 2 [2 - **2**] - Roossenekal: : TM: 1 [1 - **1**] - Rundie Olds: ?: Collector Unknown: MMK: 1 [1 - **1**] - Rustenberg, 3 km E: ?: Collector Unknown: USNM: 1 [1 - **1**] - Sabie: ?: Collector Unknown: TM: 1 [1 - **1**] - Satara Rest Camp: ?: Collector Unknown: TM: 2 [2]; Pienaar, Uys de Villiers; O.P.: KNP: 1 [1 - **3**] - Schaapplaats, Farm 930: ?: Collector Unknown: TM: 1 [1 - **1**] - Schaapsplaats: ?: Collector Unknown: TM: 1 [1 - **1**] - Schutse Kama, Riet R: ?: Collector Unknown: MMK: 1 [1 - **1**] - Scottburgh: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - SE Elandsbaai, Farm Groote Drift: ?: Collector Unknown: KM: 6 [6 - **6**] - Shashi-Limpopo River confluence: : TM: 1 [1 - **1**] - Shepston Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1**] - Shingwedzi camp: ?: Collector Unknown: TM: 5 [5 - **5**] - Sibaya: Cooper, R.: TM: 2 [2 - **2**] - Simuwana: Schlitter, Duane Albert: CM: 1 [1 - **1**] - Skoenmakerskop: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Skukuza: : SNP: 1 [1 - **1**] - Skukuza Camp: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Skukuza camp, Sabie River: ?: Collector Unknown: TM: 2 [2 - **2**] - Skukuza staff village: ?: Collector Unknown: TM: 2 [2 - **2**] - Skukuza, 1.5 km NW: ?: Collector Unknown: TM: 1 [1]; Bronner, Gary Neil: TM: 1 [1 - **2**] - Smithfield: ?: Collector Unknown: NMB: 1 [1 - **1**] - Soetfontein Cave: ?: Collector Unknown: MMK: 1 [1 - **1**] - Somerset East: : KM: 3 [3 - **3**] - Somkele: Schuck, V.: USNM: 1 [1 - **1**] - South Africa: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Soutpansberg: : KM: 2 [2]; Jameson, E.: BMNH: 2 [2 - **4**] - Springbok, 10 km: ?: Collector Unknown: USNM: 1 [1 - **1**] - Springbok, 14 km W: ?: Collector Unknown: USNM: 1 [1 - **1**] - Sprinkbok, near: ?: Collector Unknown: MMK: 1 [1 - **1**] - St. Lucia: ?: Collector Unknown: TM: 1 [1 - **1**] - Stellenbosch: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Sterkfontein caves: Brain, C.K.: TM: 3 [3 - **3**] - Sterkfontein Dam: ?: Collector Unknown: TM: 1 [1 - **1**] - Sterkfontein Dam Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1**] - Steyerskraal: Herselman, J.C.; Norton, Peter M.: KM: 3 [3 - **3**] - Steynsburg: : KM: 1 [1 - **1**] - Stilbaai: ?: Collector Unknown: TM: 7 [7 - **7**] - Stockenstrom: : KM: 2 [2 - **2**] - Stolzenfels, Orange R: ?: Collector Unknown: USNM: 1 [1 - **1**] - Storms R Gorge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Stutterheim: : KM: 3 [3 - **3**] - Stutterheim, W: : KM: 1 [1 - **1**] - Sudwala Cave: ?: Collector Unknown: TM: 1 [1 - **1**] - Sudwala Mines: ?: Collector Unknown: TM: 1 [1 - **1**] - Sunnyside: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin: TM: 1 [1 - **2**] - Sunnyside, 34 Palmcourt South: ?: Collector Unknown: TM: 1 [1 - **1**] - Swellidam: Smith, A.: BMNH: 1 [1 - **1**] - Table Farm, Salerm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Table Mountain, Platteklip: Howes, C.: SAMC: 1 [1 - **1**] - Tankwa Karoo NP, near: ?: Collector Unknown: MMK: 1 [1 - **1**] - Taung: ?: Collector Unknown: TM: 1 [1 - **1**] - Taung World Heritage Site: ?: Collector Unknown: TM: 1 [1 - **1**] - Tembe Elephant Park: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **3**] - Tembe National Park: ?: Collector Unknown: MNHN: 6 [6 - **6**] - Tha Banchu: ?: Collector Unknown: NMB: 1 [1 - **1**] - Thabaphaswa: ?: Collector Unknown: TM: 1 [1 - **1**] - Thabazimbi: : TM: 1 [1 - **1**] - The Cape: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Tierkloof: Barry, Thomas H.: SAMC: 2 [2 - **2**] - Tierkloof, Bushcamp: Olivier, Z.; Barry, Thomas H.: SAMC: 2 [2 - **2**] - Todcaster: ?: Collector Unknown: MMK: 1 [1 - **1**] - Town Bush: ?: Collector Unknown: USNM: 1 [1]; : KM: 2 [2 - **3**] - Transvaal: ?: Collector Unknown: BMNH: 1, RMNH: 1 [2]; Breyer, H.G.: ZMA: 3 [3]; Distant, W.L.: BMNH: 1 [1 - **6**] - Transvaal province: ?: Collector Unknown: CM: 1, MCZ: 1 [2]; Darlington, Philip Jackson: MCZ: 1 [1 - **3**] - Tshipise, 2 km NE: ?: Collector Unknown: USNM: 1 [1 - **1**] - Tylden: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Tzaneen Estate: ?: Collector Unknown: TM: 1 [1 - **1**] - Tzaneen Governamental Estate: Wilde, H.: TM: 1 [1 - **1**] - Tzaneen Government Estate: ?: Collector Unknown: TM: 1 [1 - **1**] - Ubombo: : KM: 1 [1 - **1**] - Uitenhage: : KM: 1 [1 - **1**] - Umdoni Park: Wolhuter, David A.: TM: 3 [3 - **3**] - Umhlanga Rocks: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Umhlatusi River: ?: Collector Unknown: TM: 1 [1 - **1**] - Umhlumi: Roberts, Austin: TM: 1 [1 - **1**] - Umkomaas: ?: Collector Unknown: BMNH: 3 [3 - **3**] - Umlalazi Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1**] - Umpila Cave: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Umtata: ?: Collector Unknown: SAMC: 1 [1]; : KM: 1 [1 - **2**] -

Umteriumi: Schuck, V.: USNM: 1 [1 - **1**] - Umzigaba River mouth: Roberts, Austin: TM: 1 [1 - **1**] - Uniondale: : KM: 1 [1 - **1**] - unspecieifed location: ?: Collector Unknown: LACM: 1 [1 - **1**] - Upington, 100 km NNE: ?: Collector Unknown: MMK: 1 [1 - **1**] - Upington, near: : KM: 1 [1 - **1**] - Uvongo: Hayward, Bruce Joliffe: WNMU: 4 [4 - **4**] - Van Rhynsdorp, 7 km SE: ?: Collector Unknown: USNM: 1 [1 - **1**] - Van Rhynsdorp, NE: : KM: 2 [2 - **2**] - Venterskroon, 1.8 km NW: ?: Collector Unknown: TM: 2 [2 - **2**] - Venterskroon, 3 km NNE: ?: Collector Unknown: TM: 2 [2 - **2**] - VerlorenValei NR: ?: Collector Unknown: TM: 1 [1 - **1**] - Victoria East: : KM: 1 [1 - **1**] - Victoria West: : KM: 2 [2 - **2**] - Vredefort Road: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Vredendal: : KM: 2 [2 - **2**] - Vrolijkheid Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Warmbaths: ?: Collector Unknown: TM: 1 [1 - **1**] - Warner Beach area: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Warrenton, 47 km W: ?: Collector Unknown: MMK: 2 [2 - **2**] - Waterberg, Farm Klipfontein 54JS: ?: Collector Unknown: TM: 15 [15 - **15**] - Waterpoort: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Wentworth: ?: Collector Unknown: HZM: 1 [1 - **1**] - West Coast National Park, Geelbek: Joubert, P.: TM: 2 [2 - **2**] - Westville: ?: Collector Unknown: DNSM: 2 [2 - **2**] - White River, 17 km W: ?: Collector Unknown: USNM: 1 [1 - **1**] - William's Town, S: : KM: 1 [1 - **1**] - Williston, 45 km ENE: ?: Collector Unknown: MMK: 1 [1 - **1**] - Willowvale: : KM: 1 [1 - **1**] - Wilro Park: ?: Collector Unknown: TM: 1 [1 - **1**] - Witrivier, 11 mi W: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1 - **1**] - Witwatersrand, Langlaagte: ?: Collector Unknown: TM: 1 [1 - **1**] - WNLA Dam: ?: Collector Unknown: TM: 5 [5 - **5**] - Wodehouse: : KM: 1 [1 - **1**] - Wonderboom: Roberts, Austin: USNM: 1 [1 - **1**] - Wonderwerk Cave: ?: Collector Unknown: MMK: 4 [4 - **4**] - Woodlands Herberts Hope: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Worcester Division: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Wynberg: Visser, John: TM: 1 [1 - **1**] - Wynberg Hill: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Yellow Wood Park: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Zululand: : KM: 1 [1 - **1**] - Zweiltsha: : KM: 1 [1 - **1**] - Zwelitsha: : KM: 3 [3 - **3** - **1574**].

South Sudan: Bahr el Jebel: ?: Collector Unknown: ZMB: 1 [1]; Schwarz: ZMB: 1 [1 - **2**] - Bahr el Zaraf: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Boma Mountains, Western foothills: Nikolaus, Gerhard: SMNS: 6 [6 - **6**] - Fashoda, near: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Gilo: ?: Collector Unknown: SMNS: 1 [1]; Nikolaus, Gerhard: SMNS: 17 [17 - **18**] - Gondokoro: ?: Collector Unknown: BMNH: 2 [2]; Berger: ZMB: 1 [1]; Loring, John Alden: USNM: 1 [1 - **4**] - Imurok: Hoogstraal, Harry H.: USNM: 4 [4 - **4**] - Juba: Nikolaus, Gerhard: SMNS: 1 [1]; Queeny, Edgar M.: AMNH: 3 [3 - **4**] - Kajiko North: Nikolaus, Gerhard: SMNS: 8 [8 - **8**] - Kaka: Hawker, R. McDonald: BMNH: 2 [2 - **2**] - Katire: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - Lado [=Lado, Jabal, Mount Lado]: Berger: ZMB: 3 [3 - **3**] - Malakal: ?: Collector Unknown: USNM: 4 [4]; Hoogstraal, Harry H.; Alison, R.: USNM: 2 [2 - **6**] - Mangala [=Mongalla]: Loat, W.L.S.: BMNH: 1 [1 - **1**] - Melut: Trudinger, R.: SAMA: 1 [1 - **1**] - Mongalla: ?: Collector Unknown: BMNH: 1 [1]; Anthony, Harold Elmer: AMNH: 1 [1]; Loat, W.L.S.: BMNH: 3 [3 - **5**] - Nagishot: Nikolaus, Gerhard: SMNS: 1 [1]; Owen, J.S.: FMNH: 1 [1 - **2**] - Nzara West: ?: Collector Unknown: BMNH: 5 [5 - **5**] - Seriba Ghatta: Schweinfurth, Georg: ZMB: 11 [11 - **11**] - Talanga forest: Owen, J.S.: FMNH: 1 [1 - **1**] - Taufikia: Schwarz: ZMB: 1 [1 - **1**] - Tonga: ?: Collector Unknown: ZIUE: 1 [1]; Wettstein, Otto Ritter von Westersheim: NMW: 12 [12 - **13**] - Torit: Hoogstraal, Harry H.: FMNH: 1, USNM: 6 [7 - **7**] - Torit district: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - Unknown province: ?: Collector Unknown: USNM: 1 [1 - **1**] - Yambio: ?: Collector Unknown: ROM: 2 [2 - **2**] - Yirol: Cade, C.E.: FMNH: 1 [1 - **1** - **118**].

Spain: Las Palmas: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Menorca Island: ?: Collector Unknown: MNCN: 1 [1 - **1**] - Tenerife: ?: Collector Unknown: MNHN: 1, SMF: 1 [2 - **2** - **4**].

Sudan: Unknown locality: ?: Collector Unknown: BMNH: 149, MNHN: 1, SMF: 2, ZFMK: 3, ZMB: 2 [157]; : BMNH: 1 [1]; El Rayah, M.A.: ROM: 1 [1]; Hoogstraal, Harry H.: AMNH: 5 [5]; Moritz, Laura J.: MSU: 1 [1]; Nikolaus, Gerhard: SMNS: 1 [1]; Rift Valley Expedition, The: BMNH: 1 [1]; Rothschild, Nathanial Charles: BMNH: 1 [1 - **168**] - 5th cataract of the Nile: Galton, Francis: BMNH: 1 [1 - **1**] - Abu Zeit: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Bahr el Abiad: : BMNH: 4 [4]; Von Heuglin, Theodor: SMF: 1 [1 - **5**] - Bahr el Shagal: Koenig, Alexander Ferdinand: ZMB: 1 [1 - **1**] - Barakat: Owen, J.S.: FMNH: 1 [1 - **1**] - Batn el Hajjar: Von Heuglin, Theodor: NMW: 1 [1 - **1**] - Djebel Zeraf [=Zeraf Jebel]: Schwarz: ZMB: 1 [1 - **1**] - Dongola: Steiner, H.: ZMB: 1 [1]; Wilcke: ZMB: 1 [1 - **2**] - Erkovit: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Gallabat: Cheeseman, W.: BMNH: 2 [2]; Von Marno, E.: NMW: 3 [3 - **5**] - Jebel Aulia: Anderson; Witherby, H.F.: BMNH: 2 [2 - **2**] - Jebel el Funj: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Jebel Maba: Flower, Stanley Smyth: BMNH: 2 [2 - **2**] - Jebel Marra, S foothills: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Jebel Moba: Butler, J.: BMNH: 1 [1 - **1**] - Jebelein: Anthony, Harold Elmer: AMNH: 35 [35 - **35**] - Kamisu: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Kanisa Janu: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Khartoum: ?: Collector Unknown: BMNH: 1, MNHN: 2, ZMB: 1 [4]; : BMNH: 1 [1]; Kolenati, Friedrich Anton: SMNS: 1 [1]; Lepsius: ZMB: 1 [1]; Pethneck: BMNH: 1 [1]; Von Marno, E.: NMW: 15 [15 - **23**] - Khartoum or Sennaar: Kotschy, Th.: NMW: 1 [1 - **1**] - Khartoum, University Campus: Musin, Abdel; Hamid: SMF: 1 [1 - **1**] - Kordofan: : SMF: 1 [1]; Kotschy, Th.: BMNH: 1 [1]; Kotschy, Th.; Parrey: BMNH: 1 [1]; Rüppell, Wilhem Peter Edward Simon: RMNH: 1, SMF: 3 [4 - **7**] - Kordofan province: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Loki: Owen, J.S.: FMNH: 5 [5 - **5**] - Nubia: ?: Collector Unknown: MNHN: 2, NMV: 1 [3]; de Selys-Longschamps, Edmond: RBINS: 1 [1]; Doria, Giacomo: ZMB: 1 [1]; Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1]; Verreaux, Jules Pierre: ZMB: 1 [1 - **7**] - Nubian Desert: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Sennaar: Van Parreyss: NMW: 1 [1 - **1**] - Sennar: ?: Collector Unknown: MNHN: 5 [5]; : BMNH: 1, SMF: 1 [2]; Anatomische Sammlung, Die: ZMB: 3 [3]; Hedenborg: ZMB: 1 [1]; Heuglin, Martin Theodor von: ZMB: 1 [1]; Prévost, J.: RBINS: 1 [1]; von Barnim, Hartmann: ZMB: 1 [1 - **14**] - Sennar state: ?: Collector Unknown: SMF: 1 [1 - **1**] - Shendy: ?: Collector Unknown: BMNH: 1 [1]; Rothschild, Nathanial Charles: USNM: 3 [3 - **4**] - Upper White Nile: Schneider: ZMB: 1 [1 - **1**] - Wad Medani: ?: Collector Unknown: USNM: 3 [3 - **3**] - Wadi Halfa: Bona, F.: MHNG: 3 [3 - **3**] - Wagga, mount: Phillips, E.: BMNH: 4 [4 - **4**] - Weißer Nil [=Bahr-el-Abyat]: Schweinfurth, Georg: ZMB: 3 [3 - **3**] - White Nile: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Zeraf, Jebel [=mountain]: ?: Collector Unknown: ZMB: 1 [1 - **1** - **318**].

Swaziland: Unknown locality: ?: Collector Unknown: BMNH: 15 [15 - **15**] - Big Bend: Washington (Expedition), Barry W.: TM: 1 [1 - **1**] - Forbes Gold Mine [=Forbes Reef Gold Mine]: Monadjem, Ara: TM: 1 [1 - **1**] - Hlumi Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Luyengo: Monadjem, Ara: TM: 1 [1 - **1**] - Malalotja Cottage: Monadjem, Ara: TM: 1 [1 - **1**] - Malolotja Game Reserve: ?: Collector Unknown: TM: 1 [1 - **1**] - Maloma Primary School: ?: Collector Unknown: TM: 1 [1 - **1**] - Mbabane: ?: Collector Unknown: TM: 1 [1 - **1**] - Mkhaya Game Reserve: ?: Collector Unknown: TM: 1 [1]; : TM: 1 [1 - **2**] - Mlawula Nature Reserve: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mlilwane GR.: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Nottinghill Mine: ?: Collector Unknown: TM: 1 [1 - **1**] - Nsoko [=Forbes Ranch]: ?: Collector Unknown: TM: 3 [3 - **3**] - Our Lady of Sorrows: ?: Collector Unknown: TM: 2 [2 - **2**] - Siphiso campsite: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Sundwini: : TM: 1 [1 - **1**] - Wylesdale Gold Mine: : DNSM: 1 [1 - **1** - **36**].

Tanzania: Unknown locality: ?: Collector Unknown: BMNH: 465, FMNH: 2, HNHM: 1, MCZ: 1, SMF: 25, WAM: 1 [495]; : BMNH: 1, SMF: 3 [4]; Carnochan, Frederic Grosvenor: MCZ: 2 [2]; Cooke, Caleb: MCZ: 3 [3]; Glauning: ZMB: 1 [1]; Howell, Kim M.: SMF: 1 [1]; Kittenberger, K.: HNHM: 1 [1]; Leirs, Herwig: RMCA: 1 [1]; RatZooMan [=Rodent Zoonosis Management] project, The: RMCA: 1 [1]; Reimer: ZMB: 1 [1]; Stegmann-Stein: ZMB: 1 [1]; Stubblefield, L.; Frontier-Project, the: SMF: 1 [1]; Szunyoghy, J.: HNHM: 1 [1]; Telford, Steve: RMCA: 2 [2]; Van Barneveld, H.W.P.: RMNH: 84 [84]; von Marwitz:

ZMB: 3 [3]; Willems: ZMB: 1 [1 - **603**] - Amani: ?: Collector Unknown: LACM: 1, TM: 1, ZMB: 3 [5]; : BMNH: 2 [2]; Awernizew: ZMB: 1 [1]; Scheffler: ZMB: 1 [1]; Vossler: ZMB: 8 [8 - **17**] - Amani West Forest Reserve: Howell, Kim M.; Stuart, S.N.: BMNH: 1 [1 - **1**] - Ambangulu Estate: ?: Collector Unknown: ZMB: 3 [3]; Martienssen: ZMB: 8 [8 - **11**] - Amboni cave: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Arusha: Kittenberger, K.: HNHM: 9 [9]; Szunyoghy, J.: HNHM: 12 [12]; Szunyoghy, J.; Sáska, G.: HNHM: 5 [5 - **26**] - Arusha region: ?: Collector Unknown: SMF: 3 [3 - **3**] - Bagamoyo: ?: Collector Unknown: MNHN: 11, ZMB: 2 [13]; Fischer: ZMB: 12 [12]; Gierra, A.: MNHN: 2 [2]; Langheld: ZMB: 4 [4]; Stendel: SMNS: 1 [1]; Van Barneveld, H.W.P.: RMNH: 9 [9 - **41**] - Bagilo: Loveridge, Arthur: MCZ: 4 [4 - **4**] - Bet El Ras: Pakenham, Richard Hercules Wingfield: BMNH: 5 [5 - **5**] - Bismarckburg [=Kasanga]: Fromm: ZMB: 1 [1 - **1**] - btw. Kipara and Ikulia Rivers: ?: Collector Unknown: HZM: 1 [1 - **1**] - Bugagi: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1**] - Bukoba: Carl, J.: MHNG: 6 [6]; Eggert: ZMB: 1 [1]; Emin Pascha / Pasha / Bey: ZMB: 4 [4]; Meckelenburg, Adolf Fritz z.: ZMB: 7 [7 - **18**] - Bukoba district: : BMNH: 1 [1 - **1**] - Bumbwini: Pakenham, Richard Hercules Wingfield: MCZ: 4 [4 - **4**] - Bunduki: Stager, Kenneth E.: LACM: 7 [7 - **7**] - Bungi: Pakenham, Richard Hercules Wingfield: BMNH: 2 [2 - **2**] - Chai camp: Davison, F.T.: AMNH: 1 [1 - **1**] - Chuaka: Swinny, H.H.: BMNH: 1 [1 - **1**] - Dar es Salaam: ?: Collector Unknown: BMNH: 1, WAM: 10, ZMB: 5 [16]; : ZMB: 3 [3]; Biedermann: ZMB: 2 [2]; Hürstel: MZS: 1 [1]; Loveridge, Arthur: BMNH: 5 [5]; Mayer, F.X.: NMW: 1 [1]; Pachinger, R.: NMW: 1 [1]; Stuhlmann, Franz Ludwig: ZMB: 9 [9]; Swaythling, Ld.: BMNH: 1 [1]; Werth: ZMB: 4 [4]; Willems: ZMB: 1 [1]; Worth: ZMB: 1 [1 - **45**] - Dar es Salaam, 9 mi [= 14.5 km] N: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - Dodoma: ?: Collector Unknown: BMNH: 1 [1]; Loveridge, Arthur: USNM: 1 [1 - **2**] - Ikau: ?: Collector Unknown: HZM: 1 [1 - **1**] - Inwale: Ionides, Constantine J.P.: BMNH: 1 [1 - **1**] - Iraka landscape: Kohl-Larsen expedition, The: SMF: 5 [5 - **5**] - Iraku: Kohl-Larsen expedition, the: SMF: 5 [5 - **5**] - Iringa: Jörgens: ZMB: 3 [3 - **3**] - Itumba: ?: Collector Unknown: HZM: 2 [2 - **2**] - Karema: Fromm: ZMB: 1 [1]; Ionides, Constantine J.P.: FMNH: 3 [3 - **4**] - Kasulu: Grant, Claude Henry Baxter: BMNH: 1 [1 - **1**] - Kebandio island: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Kiboscho: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kideke: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - Kigoma: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Kilimanjaro region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Kilosa: Loveridge, Arthur: BMNH: 1 [1]; Rees, A.F.: HZM: 1 [1 - **2**] - Kilossa, weitere Umgebuhg [=near Kilosa]: Fachlehrer, A. Horn: NMW: 1 [1 - **1**] - Kilwa: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Kimboza Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1**] - Kinole: Schlüter, A.: ZMB: 1 [1 - **1**] - Kisaki: Buchanan, Angus: BMNH: 1 [1 - **1**] - Kisarawe: ?: Collector Unknown: ZFMK: 1 [1]; Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **2**] - Kisarawe, near: Howell, Kim M.: USNM: 42 [42 - **42**] - Kissaki: Buchanan, Angus: BMNH: 1 [1 - **1**] - Kiswawe: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - Kiwengwa: ?: Collector Unknown: NMP: 1 [1 - **1**] - Kizimkazi: Pakenham, Richard Hercules Wingfield: BMNH: 2 [2 - **2**] - Kokotoni: Voeltzkow, Alfred: NMW: 1, ZMB: 1 [2 - **2**] - Kokotoni [=Mkokotoni]: Voeltzkow, Alfred: ZMB: 2 [2 - **2**] - Kondoa: ?: Collector Unknown: MNHN: 4 [4]; Zumpt, Frits Konrad Ernst: ZMB: 2 [2 - **6**] - Kononge: Glauning: ZMB: 4 [4 - **4**] - Korogwe: Bohndorff: ZMB: 1 [1 - **1**] - Kotur: Hildebrandt, Johann Maria: ZMB: 2 [2 - **2**] - Kua: : BMNH: 2 [2 - **2**] - Kulumuzi: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kulumuzi cave: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Kulumuzi caves: ?: Collector Unknown: MNHN: 6 [6]; Alluaud, Ch.: MNHN: 13 [13 - **19**] - Kwamkoro [Forest Reserve]: Vossler: ZMB: 1 [1 - **1**] - Lake Duluti: Clarke, C.H.D.: ROM: 1 [1 - **1**] - Langenburg [=?Ikombe]: Fülleborn: ZMB: 4 [4 - **4**] - Li Junge, mountain: Schuster, Karl J.: ZMB: 1 [1 - **1**] - Li Tunge: Schuster, Karl J.: ZMB: 1 [1 - **1**] - Likawage: Ionides, Constantine J.P.: BMNH: 1 [1 - **1**] - Lindi: Fülleborn: ZMB: 7 [7]; Howell, Kim M.: SMF: 1 [1 - **8**] - Lindi region: ?: Collector Unknown: SMF: 20 [20]; Howell, Kim M.: SMF: 4 [4 - **24**] - Liwale: ?: Collector Unknown: BMNH: 6, HZM: 1 [7]; Louwdes, C.J.P.: CAWM: 1 [1 - **8**] - Lugerungjere river: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Mafia: Bojer, W.: NMW: 1 [1 - **1**] - Mafia Island: Moreau, R.E.: BMNH: 1 [1 - **1**] - Magrotto Hill: Howell, Kim M.: FMNH: 2 [2 - **2**] - Magrotto mountains: Martienssen: ZMB: 6 [6 - **6**] - Mahenge: Rees, A.F.: BMNH: 2, HZM: 3 [5 - **5**] - Makoa: Zink, G.: SMNS: 10 [10 - **10**] - Makullo [=Makulo]: Steudner: ZMB: 1 [1 - **1**] - Malindi: Fischer: ZMB: 4 [4 - **4**] - Manyara, Lake: Cooper, B.: BMNH: 3 [3 - **3**] - Marahubi Mlangoni: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1**] - Marungu: Böhm, Richard: ZMB: 5 [5 - **5**] - Masimani: Schilling, K.: ZMB: 1 [1]; Schillings: ZMB: 1 [1 - **2**] - Matumbi-Berge [=Matumbi Hishlands]: ?: Collector Unknown: ZMB: 3 [3 - **3**] - Mawere: Vernay, Arthur S.; Lang, Herbert: AMNH: 1 [1 - **1**] - Mazumba Estate: Baagøe, Hans J.: ZMUC: 11 [11 - **11**] - Mbeya: : BMNH: 1 [1 - **1**] - Mbeya region: ?: Collector Unknown: SMF: 8 [8 - **8**] - Mbiji: Loveridge, Arthur: BMNH: 2 [2 - **2**] - Mbweni: Pakenham, Richard Hercules Wingfield: BMNH: 2 [2 - **2**] - Mfulu: von Erlanger, C.: ZMB: 1 [1 - **1**] - Mgogoni: Lumsden, W.H.R.: BMNH: 5 [5 - **5**] - Mikindani: Andersen, Th.: SMF: 1 [1]; Grote, Hermann: ZMB: 10 [10]; Schillings: ZMB: 1 [1 - **12**] - Mikumi National Park, H.Q.: Norton, G.; Roertgen, B.: BMNH: 1 [1 - **1**] - Mizi Miombe Hill: Pakenham, Richard Hercules Wingfield: BMNH: 2 [2 - **2**] - Mnara: Verheyen, Walter N.; Leirs, Herwig: RMCA: 3 [3 - **3**] - Mohorro [=Mohoro plantation]: Langheld: ZMB: 1 [1 - **1**] - Mojoni [=Muyuni]: Neumann: ZMB: 11 [11 - **11**] - Morogoro: : BMNH: 1 [1]; Loveridge, Arthur: BMNH: 8, USNM: 1 [9]; Pócs, Tamas: HNHM: 10 [10]; Schönheit: ZMB: 1 [1]; Stuhlmann, Franz Ludwig: ZMB: 1 [1]; Swaythling, Ld.: BMNH: 1 [1 - **23**] - Morogoro region: ?: Collector Unknown: SMF: 23 [23]; Howell, Kim M.: SMF: 1 [1 - **24**] - Moshi: Baxter: BMNH: 1 [1]; Neumann: ZMB: 1 [1]; Neumann, Oscar Rudolph: ZMB: 1 [1 - **3**] - Moshi Voi: Kittenberger, K.: HNHM: 1 [1 - **1**] - Mount Usambara: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Mpapua [=Mpwapwa]: Lademann: ZMB: 1 [1 - **1**] - Mtandika: Jörgens: ZMB: 6 [6 - **6**] - Mtira: Fülleborn: ZMB: 1 [1 - **1**] - Mtondo River: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mto-Wa-Mbo: Corbet, Gordon B.; Ingles, Jane M.: BMNH: 1 [1]; Matthews, L. Harrison: BMNH: 1 [1 - **2**] - Muanibunge: Glauning: ZMB: 1 [1 - **1**] - Muansa [=Mwanza]: Neumann: ZMB: 1 [1 - **1**] - Mwanza region: ?: Collector Unknown: SMF: 3 [3 - **3**] - Mwaya: Ionides, Constantine J.P.: BMNH: 1 [1 - **1**] - Mwazye: Fromm: ZMB: 1 [1 - **1**] - Mwiti Mkuu: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1**] - Mwsamwilager: Fromm: ZMB: 1 [1 - **1**] - Namanjere [=Namanyere]: Fromm: ZMB: 1 [1 - **1**] - Nambiga Forest Reserve: Howell, Kim M.: FMNH: 2 [2 - **2**] - Nangoma cave?: Methner: ZMB: 2 [2 - **2**] - Ndala: ?: Collector Unknown: HZM: 3 [3 - **3**] - Ngombeni: : BMNH: 1 [1 - **1**] - Ngoroine [=Nguruimi]: Neumann: ZMB: 2 [2 - **2**] - Ngorongoro: ?: Collector Unknown: TM: 1 [1]; Broom: TM: 1 [1 - **2**] - no specific locality: Fülleborn: ZMB: 1 [1]; Stegmann-Stein: ZMB: 2 [2]; Stierling: ZMB: 1 [1 - **4**] - N-slope Uluguru Mts., Kinole: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Ole: Loveridge, Arthur: BMNH: 3 [3 - **3**] - Pangani Falls: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Pangani river: Gerrard: ZMB: 1 [1]; Regner: ZMB: 1 [1]; Schillings: ZMB: 1 [1 - **3**] - Pemba Island: ?: Collector Unknown: MNHN: 1 [1]; Dt. Theater Berlin: ZMB: 1 [1]; Gunning, A.: BMNH: 3 [3]; Voeltzkow, Alfred: ZMB: 6 [6 - **11**] - Pugu forest: Howell, Kim M.; Msuya, C.A.: ZMUC: 10 [10 - **10**] - Pwani region: ?: Collector Unknown: SMF: 16 [16 - **16**] - Rondo Forest Reserve: ?: Collector Unknown: HZM: 2 [2 - **2**] - Ruanda farm: Kingdon, Jonathan: HZM: 4 [4 - **4**] - Rungwe Mts., Mwatesi Stream: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Rutenganio [Mission]: Fülleborn: ZMB: 1 [1 - **1**] - Shakani: Pakenham, Richard Hercules Wingfield: BMNH: 2 [2 - **2**] - Singida: Fliegner: ZMB: 2 [2 - **2**] - Slave Cave: ?: Collector Unknown: NMP: 2 [2 - **2**] - Songo Songo Island: Msuya, C.A.: FMNH: 1 [1 - **1**] - South Province: Louides, G.J.P.: CAWM: 2 [2 - **2**] - Southern province: Ionides, Constantine J.P.: BMNH: 2 [2 - **2**] - Tabora: ?: Collector Unknown: ZMB: 1 [1]; : LACM: 3 [3]; Diesener: ZMB: 6 [6]; Swaythling, Ld.: BMNH: 1 [1 - **11**] - Tanga: ?: Collector Unknown: MNHN: 3 [3]; : LACM: 4 [4]; Bampton, I.: USNM: 3 [3]; Frontier-Project, The: SMF: 1 [1]; Martienssen: ZMB: 15 [15]; Neumann: ZMB: 5 [5]; Sjöstedt, Bror Yngve: ZMB: 1 [1 - **32**] - Tanga region: ?: Collector Unknown: SMF: 129 [129]; Funnell, E., Frontier-Project, The: SMF: 1 [1 - **130**] -

Tanga, Grotte de Kulumuzi: Alluaud, Ch.: MNHN: 5 [5 - **5**] - Tanga, hole/cave near: Neumann: ZMB: 5 [5 - **5**] - Tanganyika: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Tanganyika, lake: Grauer, Rudolf: ZMB: 2 [2]; Stegmann-Stein: ZMB: 6 [6 - **8**] - Tanzania: Percival, Arthur Blayney: BMNH: 1 [1 - **1**] - Tendaguro: British Museum East Africa Expedition, the: BMNH: 2 [2 - **2**] - Tendaguru [=Tendaguro]: Janesch: ZMB: 1 [1]; Reck: ZMB: 1 [1 - **2**] - Tendoguru: Reck: ZMB: 2 [2 - **2**] - Tengeru: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - Tumbatu Island: Dt. Theater Berlin: ZMB: 1 [1]; Hoffmann: ZMB: 1 [1 - **2**] - Ugala River: Williams, J.: MNHN: 4 [4 - **4**] - Ugano Plantation: ?: Collector Unknown: NMW: 1 [1 - **1**] - Ujiji: Hösemann: ZMB: 5 [5 - **5**] - Ukambesi: Hildebrandt, Johann Maria: ZMB: 1 [1 - **1**] - Ukara island: Smith, Andrew: BMNH: 1 [1 - **1**] - Urambo: ?: Collector Unknown: BMNH: 3 [3]; Lamont, R.A.: BMNH: 5 [5 - **8**] - Usa River: Muray, R.: HNHM: 1 [1 - **1**] - Usambara [mountains]: Grauer, Rudolf: ZMB: 3 [3 - **3**] - Usambara mountains: ?: Collector Unknown: MNHN: 26 [26]; Gierra, A.: MNHN: 5 [5 - **31**] - Usandawe [=Sandawe]: Neumann: ZMB: 2 [2 - **2**] - Ussagara [=Usagara]: Houy; Meyer: ZMB: 2 [2 - **2**] - Ussuwi: : ZMB: 6 [6 - **6**] - Utengule: Jörgens: ZMB: 2 [2 - **2**] - Utete: Lademann: ZMB: 2 [2 - **2**] - Uto farm: ?: Collector Unknown: ZMZ: 1 [1 - **1**] - Victoria, lake: Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1**] - Vikindo [forest]: Stuhlmann, Franz Ludwig: ZMB: 8 [8 - **8**] - Wembere river: ?: Collector Unknown: ZMB: 2 [2 - **2**] - Weru Weru river: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 2 [2 - **3**] - Zanguébar: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Zanzibar: ?: Collector Unknown: BMNH: 2, MNHN: 31, SMF: 1, ZMB: 5 [39]; Alexandre: MNHN: 2 [2]; Anatomische Sammlung, Die: ZMB: 1 [1]; Cooke, Caleb: MCZ: 10 [10]; De Ville: RBINS: 2 [2]; Dobson, George Edward: USNM: 1 [1]; Fischer: ZMB: 1 [1]; Gerrard: ZMB: 1 [1]; Hildebrandt, Johann Maria: ZMB: 1 [1]; Neumann: ZMB: 3 [3]; Pike, A.: MCZ: 1 [1]; Robb, A.: BMNH: 4 [4]; Salmin: USNM: 1, ZMB: 1 [2]; Stuhlmann, Franz Ludwig: ZMB: 2 [2]; von der Decken, Karl Klaus: ZMB: 7 [7]; Werther: ZMB: 1 [1]; Wessel: ZMB: 1 [1 - **79**] - Zanzibar, W coast: Cooke, Caleb: MCZ: 6 [6 - **6** - **1612**].

The Gambia: Unknown locality: ?: Collector Unknown: BMNH: 51, SMF: 1 [52]; : BMNH: 2 [2]; Dalton: USNM: 1 [1]; Derby, Edward Smith Stanley: BMNH: 1 [1]; Gerrard: BMNH: 1 [1]; Rendall, Percy: BMNH: 1 [1]; Schmidt, A.: BMNH: 1 [1]; Tomes Collection, The: BMNH: 1 [1 - **60**] - Abuko Nature Reserve: : SMF: 4 [4 - **4**] - Banjul: ?: Collector Unknown: BMNH: 1 [1]; : SMF: 1 [1]; Rendall, Percy: BMNH: 1 [1 - **3**] - Basse: : BMNH: 1 [1 - **1**] - Bathurst: : BMNH: 1 [1 - **1**] - Bathurst [=Banjul]: Rendall, Percy: BMNH: 3 [3 - **3**] - Bathurst, 8 mi W: : USNM: 1 [1 - **1**] - Gambia river, lower: Buxton, A.P.; Oxford University Expedition, The: BMNH: 1 [1 - **1**] - Kontaur: ?: Collector Unknown: BMNH: 1 [1]; Buxton, A.P.; Oxford University Expedition, The: BMNH: 1 [1 - **2**] - Kuntaur, 10 mi [16 km] SE: : BMNH: 1 [1 - **1**] - Kuntaur, 5 mi N: Buxton, A.P.; Oxford University Expedition, The: BMNH: 2 [2 - **2**] - Lamin: : SMF: 1 [1 - **1**] - Makka: Buxton, A.P.; Oxford University Expedition, The: BMNH: 1 [1 - **1**] - Toniataba: Davis, R.M.: USNM: 1 [1 - **1** - **82**].

Togo: Unknown locality: Veronese, C.: RMCA: 358 [358 - **358**] - Aledjo: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 1 [1 - **1**] - Amoussokopé: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Aného: Keilhack, L.: ZMB: 1 [1 - **1**] - Atakpamé: ?: Collector Unknown: MNHN: 3 [3]; Schmidt: ZMB: 1 [1]; Veronese, C.: RMCA: 38 [38 - **42**] - Badou - Anonoe: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Bismarckburg [=Adéle]: Büttner: ZMB: 6 [6]; Conradt: ZMB: 2 [2 - **8**] - Borgou: De Vree, Frits: RMCA: 1 [1 - **1**] - Evou or Atakpamé: Veronese, C.: RMCA: 8 [8 - **8**] - Gbatope: LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 1 [1 - **3**] - Haubinda: Keilhack, L.: ZMB: 1 [1 - **1**] - Kadjamba: Meckelenburg, Adolf Fritz z.: ZMB: 4 [4]; Richers: ZMB: 1 [1 - **5**] - Klein-Popo [=Aného]: Linnaea: ZMB: 2 [2 - **2**] - Korrekope: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1**] - Lomé: Keilhack, L.: ZMB: 2 [2 - **2**] - Mango: Thierry, Gaston: ZMB: 2 [2 - **2**] - Maritime province: ?: Collector Unknown: SMF: 3 [3 - **3**] - Missahohé: Baumann: ZMB: 8 [8]; Smend: ZMB: 1 [1 - **9**] - Nanergou: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - no specific locality: ?: Collector Unknown: BMNH: 2, ZMB: 2 [4]; Chabaud, Alain Gabriel: MNHN: 1 [1]; Conradt: ZMB: 2 [2]; De Vree, Frits; Van der Straeten, Erik: RMCA: 17 [17]; Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 2 [2]; Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 2 [2]; Veronese, C.: RMCA: 2 [2]; Zech, Johann Nepomuk: ZMB: 12 [12 - **42**] - Oti: : ZMB: 1 [1 - **1**] - Pagala: LeDuc, James W.: USNM: 1 [1]; Robbins, C. Brian: USNM: 1 [1 - **2**] - Palimé: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Papase: ?: Collector Unknown: BMNH: 1 [1 - **1** - **500**].

Tunisia: Unknown locality: ?: Collector Unknown: BMNH: 12, MNHN: 8, SMF: 61 [81]; Mathis, M.: MNHN: 1 [1 - **82**] - Aïn Draham: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Djebel Gloub cave: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Djerba: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Djerba island: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Douirat: ?: Collector Unknown: BMNH: 5 [5 - **5**] - Feriana: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Gabès: Spatz: ZMB: 2 [2 - **2**] - Gafsa: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Ghar Tabouda: ?: Collector Unknown: MHNG: 1 [1 - **1**] - Glong, Jebel: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Kaphza [=Gafsa]: Bodemeyer: ZMB: 2 [2 - **2**] - Kaphza [=Gafsa], cave near: Bodemeyer: ZMB: 2 [2 - **2**] - Kasserine caves: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Mu'tamadiyat: Lühe: ZMB: 1 [1 - **1**] - Nefzaoua: ?: Collector Unknown: MNHN: 1 [1]; Lataste collection, The: MNHN: 2 [2 - **3**] - Oasis Tozeur: ?: Collector Unknown: LACM: 4 [4 - **4**] - Sidi Bou Zid governorate: : TTU: 1 [1 - **1**] - Sousse: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Tatahouine: ?: Collector Unknown: MNHN: 3 [3 - **3**] - Tebourba: Lühe: ZMB: 59 [59 - **59**] - Tebourba, cave near: Lühe: ZMB: 15 [15 - **15**] - Therma: Blanc, G.: NRM: 2 [2 - **2**] - Tunis: ?: Collector Unknown: MNHN: 5, USNM: 7, ZMB: 1 [13]; Doria, Giacomo: USNM: 1, ZMB: 1 [2]; Lühe: ZMB: 19 [19]; von Erlanger, C.: ZMB: 1 [1 - **35** - **232**].

Uganda: Unknown locality: ?: Collector Unknown: BMNH: 390, SMF: 1, USNM: 2 [393]; Cambridge University Geological Expedition 1934, The: BMNH: 1 [1]; Rift Valley Expedition, The: BMNH: 2 [2]; Southampton University Expedition, The: BMNH: 17 [17 - **413**] - 25 km NW Masindi: ?: Collector Unknown: LACM: 4 [4 - **4**] - Amiel: Jones, Theo Simpson: BMNH: 3 [3 - **3**] - Amudat: Hayward, Bruce Joliffe: USNM: 3 [3 - **3**] - Budongo: ?: Collector Unknown: AMS: 2 [2]; Kingdon, Jonathan: BMNH: 10 [10 - **12**] - Budongo Forest: ?: Collector Unknown: LACM: 1 [1]; : LACM: 25 [25]; Bampton, I.: LACM: 17 [17]; Williams: LACM: 16 [16]; Williams, S.H.: ROM: 1 [1 - **60**] - Bugala island: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Bugoma Forest: Archer, A.L.: LACM: 3 [3 - **3**] - Bukalasa: Jones, Theo Simpson: BMNH: 5 [5 - **5**] - Bukasa Island: : BMNH: 1 [1]; Southampton University Expedition, The: BMNH: 3 [3 - **4**] - Bunyoro: ?: Collector Unknown: ROM: 2 [2 - **2**] - Burisifwe Gombolola: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - Busingiro Camp Site: Solomon, M.T.: FMNH: 1 [1 - **1**] - Bussu: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Butiaba: Berger: ZMB: 2 [2 - **2**] - Bwamba Forest: : LACM: 2 [2 - **2**] - Bwindi Swamp: Glen, Robert M.: LACM: 4 [4 - **4**] - Daniba island: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Entebbe: ?: Collector Unknown: BMNH: 7, MNHN: 2 [9]; Berti, Carolina: RMCA: 1, ZMB: 2 [3]; Carl, J.: MHNG: 1 [1]; Degen, E.: BMNH: 1 [1]; Grandidier Collection, The: MCZ: 1 [1]; Grauer, Rudolf; Rolle, Hermann: ZMB: 2 [2]; Jackson, F.J.: BMNH: 1 [1]; Rolle, Hermann: ZMB: 1 [1]; Schlüter, A.: ZMB: 4 [4 - **23**] - Gonda: Böhm, Richard: ZMB: 6 [6 - **6**] - Gulu: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Impenetrable Forest: ?: Collector Unknown: LACM: 1 [1]; Archer, A.L.: LACM: 2 [2 - **3**] - Itama area: : LACM: 9 [9 - **9**] - Itama Mine: : LACM: 11 [11 - **11**] - Ithama mine: : LACM: 4 [4 - **4**] - Kaborole: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Kama tin mine: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - Kampala: ?: Collector Unknown: BMNH: 2, USNM: 5 [7]; : USNM: 5 [5]; Buxton, A.P.: AMNH: 1 [1]; Loring, John Alden: USNM: 3 [3]; Mearns, Edgar Alexander: USNM: 1 [1]; Phillips, John Charles: MCZ: 2 [2 - **19**] - Katera: Archer, A.L.: LACM: 6 [6 - **6**] - Kayonza Forest: : LACM: 3 [3 - **3**] - Kibale Forest: : LACM: 15 [15 - **15**] - Kiriamo: : BMNH: 1 [1 - **1**] - Kyagwe county: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Lake Nabugabo: : BMNH: 2 [2 - **2**] - Mabira Forest: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Makerere: ?:

Collector Unknown: AMS: 1 [1 - **1**] - Malabigambo Forest: Archer, A.L.: LACM: 8 [8 - **8**] - Masindi: Brooks, A.C.: BMNH: 1 [1 - **1**] - Mbale: ?: Collector Unknown: BMNH: 1 [1]; Jones, Theo Simpson; Shepherd, C.: BMNH: 3 [3 - **4**] - Mongiro: : LACM: 4 [4]; Glen, Robert M.: LACM: 2 [2 - **6**] - Moroto: Cosins: BMNH: 1 [1 - **1**] - Mount Elgon: ?: Collector Unknown: BMNH: 8 [8]; : BMNH: 8 [8 - **16**] - Moyo: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - Mubuku Valley: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Murchison Falls: ?: Collector Unknown: CAS: 2 [2 - **2**] - Mwela: Archer, A.L.: LACM: 5 [5 - **5**] - Nabumali: ?: Collector Unknown: BMNH: 1 [1]; Loder or Lorder: BMNH: 1 [1 - **2**] - no specific locality: ?: Collector Unknown: ZMB: 1 [1 - **1**] - Ntandi: ?: Collector Unknown: LACM: 1 [1]; : LACM: 26 [26]; Glen, Robert M.: LACM: 3 [3]; Williams, R.; Glen, Robert M.: LACM: 1 [1 - **31**] - Pajule: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - Point Alice: Johnston, Harry H.: BMNH: 1 [1 - **1**] - Pope Pius X Seminary: Hawkins, James D.: CAS: 6 [6 - **6**] - Ruhizha: Williams, A.: LACM: 9 [9 - **9**] - Ruhizha area: Glen, Robert M.: LACM: 2 [2 - **2**] - Ruwenzori: Dent, R.E.: BMNH: 1 [1 - **1**] - Ruwenzori East: Eisentraut, Martin: BMNH: 5 [5]; Rosenberg: RMCA: 9 [9 - **14**] - Ruwenzori SE: ?: Collector Unknown: BMNH: 2 [2]; Dent, R.E.: BMNH: 3 [3]; Rosenberg: RMCA: 5 [5 - **10**] - Rwenzori Mountains: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Serere: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - Sukulu Hill: : NMK: 2 [2 - **2**] - Toro: ?: Collector Unknown: MIZT: 1 [1 - **1**] - Turkwell River: Rift Valley Expedition, The: BMNH: 1 [1 - **1**] - Victoria Nyanza [=Lake Victoria]: Bayon, E.: AMNH: 1 [1 - **1**] - Wasa River: ?: Collector Unknown: BMNH: 3 [3 - **3**] - West Madi: ?: Collector Unknown: BMNH: 3 [3 - **3**] - Yumbe: ?: Collector Unknown: ZMB: 1 [1]; Jones, Theo Simpson: BMNH: 1 [1]; Schillings: ZMB: 1 [1 - **3** - **770**].

Zambia: Unknown locality: ?: Collector Unknown: BMNH: 285, SMF: 17, TM: 3 [305]; Black, Hal L.: HZM: 1 [1 - **306**] - Abercorn: ?: Collector Unknown: BMNH: 1, HZM: 2 [3]; : BMNH: 6, HZM: 5, KM: 4 [15]; Bredo, H.J.: RBINS: 1 [1 - **19**] - Baiovale [= Zambezi]: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Balovale: ?: Collector Unknown: BMNH: 6, KM: 18, MMK: 1 [25]; : KM: 5 [5]; Carter, T. Donald; Shortridge, Guy Chester (Captain); Vernay Kaffrarian Museum Expedition, The: KM: 1 [1]; Shortridge, Guy Chester: KM: 1 [1 - **32**] - Blue Lagoon Ranch: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Broken Hill: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Bulaya: ?: Collector Unknown: HZM: 1 [1]; Makawa, J.: BMNH: 1 [1 - **2**] - Bwana Mkubwa: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - CE Ltd., cave: Sheppe, Walter A.: CAS: 1 [1 - **1**] - Chadiza: : KM: 3 [3 - **3**] - Chavuma area: ?: Collector Unknown: HZM: 2, NHMZ: 2 [4 - **4**] - Chief Chlawa's: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chikwa, Lundazi: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Chilanga: ?: Collector Unknown: BMNH: 1, FMNH: 1, NHMZ: 5, NMZL: 1 [8]; Ansell, P.D.H.: AMS: 1 [1]; Benson, Constantine ("Con") Walter: NHMZ: 2 [2]; Lancaster, D. Gordon: KM: 2 [2 - **13**] - Chilanga Cave: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2 - **2**] - Chilanga-NR, Chilanga Caves: ?: Collector Unknown: NHMZ: 8 [8 - **8**] - Chilwa Island: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - Ching, Chavuma: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chingi, Chavuma: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chingola: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chingola, Mushishima Farm: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chinzombo: ?: Collector Unknown: HZM: 1 [1 - **1**] - Chipanga, Chipata: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chipangali, Chipata: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Chipata: Lancaster, D. Gordon: BMNH: 1, KM: 4 [5 - **5**] - Chipengali area: ?: Collector Unknown: NHMZ: 5 [5]; Wilson, J.: BMNH: 2 [2]; Wilson, Vivian J.: NHMZ: 1 [1 - **8**] - Chipongwe Cave: ?: Collector Unknown: BMNH: 1, CAS: 1, NHMZ: 5 [7]; Ansell, William Frank Harding: BMNH: 1, NMZL: 1 [2]; Sheppe, Walter A.: UZMZ: 10 [10 - **19**] - Chisela Dambo, Mporokoso: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chishela dambo: Dalhousie: NHMZ: 1 [1 - **1**] - Choma: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Choma district: Benson, Constantine ("Con") Walter: NHMZ: 2 [2 - **2**] - Fort Jameson: ?: Collector Unknown: KM: 1, NHMZ: 11 [12]; Ansell, William Frank Harding: NHMZ: 1 [1 - **13**] - Fort Jameson [= Chipata]: ?: Collector Unknown: NHMZ: 4 [4]; : KM: 7 [7 - **11**] - Fort Jameson [= Chlpata]: : KM: 2 [2 - **2**] - Fort Jameson [=Chipata]: ?: Collector Unknown: NHMZ: 1 [1]; : KM: 2 [2 - **3**] - Fort Jameson District: ?: Collector Unknown: KM: 1, NHMZ: 1 [2]; Lancaster, D. Gordon: KM: 2 [2 - **4**] - Hillwood Farm: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Ikelenge: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - in house: Dowsett, Robert Jack: BMNH: 3 [3 - **3**] - Ipombe Stream: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Jimbe Stream: ?: Collector Unknown: NHMZ: 1, NMZL: 1 [2 - **2**] - Jumbe: ?: Collector Unknown: NHMZ: 1 [1]; Dowsett, Robert Jack: NHMZ: 5 [5 - **6**] - Kabompo [=Kabompo Boma]: ?: Collector Unknown: NHMZ: 9 [9 - **9**] - Kabompo Boma: ?: Collector Unknown: HZM: 1, NHMZ: 11 [12 - **12**] - Kabompo, NE: ?: Collector Unknown: HZM: 1 [1 - **1**] - Kabompo, near: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kafue: ?: Collector Unknown: USNM: 1 [1 - **1**] - Kafue Gorge: ?: Collector Unknown: BMNH: 1, HZM: 12, NHMZ: 7 [20 - **20**] - Kafue NP, Chunga: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kafue NP, Ngoma: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kafue R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kafue R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kafue River: Tree, A.J.: NHMZ: 4 [4 - **4**] - Kalabo: Japp, M.: BMNH: 1, NHMZ: 1 [2 - **2**] - Kalene Mission: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kalichero: ?: Collector Unknown: NHMZ: 4 [4]; Edwards, P.W.: NHMZ: 2 [2 - **6**] - Kalomo: ?: Collector Unknown: TM: 1 [1 - **1**] - Kalomo District: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kalomo R: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Kalomo, 24 km E: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kanona, 32 mi NE: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1**] - Kanona, 42 mi SW: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1**] - Kanyale Stream: ?: Collector Unknown: ROM: 1 [1 - **1**] - Karabe, Lake Tanganylka: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kariba, lake, north shore: Owen, T.R.H.: NHMZ: 5 [5 - **5**] - Kasama: ?: Collector Unknown: BMNH: 1 [1]; : KM: 7 [7]; Tait, H.: NHMZ: 1 [1 - **9**] - Kasama, E: : KM: 1 [1 - **1**] - Kasama, N: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Kasanka National Park: ?: Collector Unknown: DNSM: 2, NHMZ: 1 [3 - **3**] - Kasempa Boma: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kasempa, S: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kaungashi stream, source of: Uys, J.M.C.: BMNH: 1 [1 - **1**] - Kawambwa: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kilwa Island: ?: Collector Unknown: HZM: 1, NMZL: 3 [4 - **4**] - Kunyale Stream: ?: Collector Unknown: HZM: 1 [1 - **1**] - Leopard's Hill Cave: ?: Collector Unknown: UZMZ: 1 [1]; Sheppe, Walter A.: UZMZ: 7 [7 - **8**] - Limulunga: ?: Collector Unknown: MMK: 2 [2 - **2**] - Livingston [1752S 2551E] and Lochinvar [1551S 2714E], between: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Livingstone: ?: Collector Unknown: NMP: 1, NMZL: 2 [3]; : KM: 2 [2 - **5**] - Lochinvar: ?: Collector Unknown: NMZL: 6 [6]; : NMZL: 4 [4]; Dowsett, Robert Jack: NMZL: 1 [1 - **11**] - Lochinvar Kafue Flats: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Lochinvar Ranch: ?: Collector Unknown: UZMZ: 1 [1]; Dowsett, Robert Jack: NHMZ: 2 [2]; Tree, A.J.: NHMZ: 2 [2 - **5**] - lsoka: : KM: 1 [1 - **1**] - Luambe Game Camp: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Luangwa NP, Nsefu: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Luangwa River: ?: Collector Unknown: LACM: 8, NHMZ: 1 [9 - **9**] - Luangwa Valley: ?: Collector Unknown: LACM: 3, NHMZ: 2 [5]; Keymer, I.F.: NHMZ: 1 [1]; Wilson, Vivian J.: NHMZ: 1 [1 - **7**] - Luangwa valley, Lunzi river: Lancaster, D. Gordon: BMNH: 1 [1 - **1**] - Luangwa Valley, Mfuwe: ?: Collector Unknown: NHMZ: 2 [2]; : NMZL: 1 [1 - **3**] - Luangwa Valley, Nsefu: ?: Collector Unknown: HZM: 1 [1 - **1**] - Luangwa Valley, Petauke: ?: Collector Unknown: BMNH: 2 [2]; : KM: 3 [3 - **5**] - Luanshya: ?: Collector Unknown: BMNH: 1, USNM: 1 [2]; Larson, Thomas ("Tom"): AMNH: 1 [1 - **3**] - Luanshya, 6 mi S: ?: Collector Unknown: HZM: 3 [3]; Ansell, William Frank Harding: HZM: 1 [1 - **4**] - Lufupa camp [site 1]: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 1 [1 - **1**] - Lukanga Swamp: Grimwood: BMNH: 2 [2 - **2**] - Lundazi: ?: Collector Unknown: HZM: 1, NHMZ: 1 [2]; : KM: 1 [1 - **3**] - Lusaka: ?: Collector Unknown: NHMZ: 1 [1]; : TM: 1 [1 - **2**] - Lutembwe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mafinga Mountains: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Makeni Farm: Benson, Constantine ("Con") Walter: NHMZ: 1 [1 - **1**] - Makutu Mountains: ?: Collector Unknown: NMZL: 1 [1 - **1**]

- Mandala Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Masali Mine: Wilson, Vivian J.: BMNH: 13 [13 - **13**] - Mazabuka: ?: Collector Unknown: BMNH: 1, NMZL: 1 [2]; Ansell, William Frank Harding: BMNH: 4 [4]; McLeod, J.: BMNH: 7 [7 - **13**] - Mazabuka Boma: Ansell, William Frank Harding: BMNH: 13 [13 - **13**] - Mbala: Lancaster, D. Gordon: KM: 1 [1 - **1**] - Mblundu River: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Mfuwe Game Camp: ?: Collector Unknown: NHMZ: 7 [7 - **7**] - Mindolo dam: Tree, A.J.: NHMZ: 2 [2 - **2**] - Missale Customs Post: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Missale Old Mine: ?: Collector Unknown: BMNH: 4, NHMZ: 37 [41]; Ansell, William Frank Harding: BMNH: 17 [17 - **58**] - Mkwisi: : KM: 1 [1]; Tree, A.J.: NHMZ: 3 [3 - **4**] - Mongu: : KM: 3 [3]; Shortridge, Guy Chester: KM: 1 [1 - **4**] - Monze: Powell; Shortridge, Guy Chester: BMNH: 4, KM: 5 [9 - **9**] - Mount Makulu: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Mount Makulu Research Station: Benson, Constantine ("Con") Walter: NHMZ: 1 [1 - **1**] - Mpika: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mpomwa Hills: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mpomwa Hills, Chipata: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mporokoso: ?: Collector Unknown: KM: 2 [2]; : KM: 1 [1]; Lancaster, D. Gordon: KM: 1 [1 - **4**] - Muckle Neuk: ?: Collector Unknown: NMZL: 3 [3 - **3**] - Mumbwa Caves: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Munali: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Mundwiji Plain: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Muozi [= Mwoji] R: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Muozi Stream, near: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - Muozj [=Mwoji] R.: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mushishima Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Muyombe: Ansell, P.D.H.: HZM: 1 [1 - **1**] - Muzubuku: le Roux, P.L.: TM: 1 [1 - **1**] - Mwanya: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - Mwekera: Tree, A.J.: NHMZ: 2 [2 - **2**] - Mweru Wantipa: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1**] - Mwinilunga: ?: Collector Unknown: BMNH: 1 [1]; White, Charles Matthew Newton: AMNH: 3 [3 - **4**] - Nabwalia Village: Marks, S.: UZMZ: 1 [1 - **1**] - Naleza: ?: Collector Unknown: CAS: 1, UZMZ: 2 [3]; Sheppe, Walter A.: UZMZ: 3 [3 - **6**] - Namantombwa Hill: ?: Collector Unknown: UZMZ: 1 [1 - **1**] - Nansai Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nansai Farm, Choma: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Nchelenge: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Ndanda Dambo: ?: Collector Unknown: NHMZ: 14 [14 - **14**] - Ndanda School: ?: Collector Unknown: NHMZ: 13 [13 - **13**] - Ndola: ?: Collector Unknown: BMNH: 3, HZM: 1 [4]; : KM: 1 [1]; Withenshaw, G.: NHMZ: 1 [1 - **6**] - Ngwerere cave: ?: Collector Unknown: HZM: 1, NMZL: 5, ROM: 1, UZMZ: 1 [8]; Osborne, T.O.: CAS: 8 [8 - **16**] - Ngwerere Siding: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Nkambwa Hill: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - North Luangwa National Park: ?: Collector Unknown: NMP: 1 [1 - **1**] - Northwestern Zambia: Selchow, Donald H.: YPM: 1 [1 - **1**] - Nsadzu: Lancaster, D. Gordon: BMNH: 1 [1 - **1**] - Nsefu Game Camp: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Nsumbu, N Lake Bangweulu: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Nyika NP: ?: Collector Unknown: NMZL: 2 [2 - **2**] - Nyika Plateau: Keith, G.S.: BMNH: 1 [1]; Osborne, T.O.: NMZL: 3 [3 - **4**] - Nylka NR: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Petauke: Lancaster, D. Gordon: KM: 1 [1 - **1**] - Pwira Pan: ?: Collector Unknown: NHMZ: 2 [2]; Tree, A.J.: BMNH: 1, NHMZ: 5 [6 - **8**] - Pwlra Pan: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Reitfontein: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Sakeji Mavunda: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sakeji School: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Sakeji Stream: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sakeji Stream, headwaters: ?: Collector Unknown: NMZL: 2, ROM: 1 [3 - **3**] - Salujinga: ?: Collector Unknown: BMNH: 2 [2]; Benson, Constantine ("Con") Walter: NHMZ: 4 [4]; Makawa, J.: NHMZ: 3 [3 - **9**] - Samfya: ?: Collector Unknown: NHMZ: 1, NMZL: 1 [2]; Mill, T.A.: HNHM: 1 [1 - **3**] - Sasare Old Mine: ?: Collector Unknown: NHMZ: 17 [17]; Ansell, William Frank Harding: BMNH: 9 [9]; Wilson, Vivian J.: NHMZ: 1 [1 - **27**] - Sasare Old Mine, Petauke: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Senenga, 50 km NE: ?: Collector Unknown: NHMZ: 8 [8 - **8**] - Senenga, 50km NE: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Senenga, 59 km NE: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Senenga, S km NE: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Seneriga, 50 km NE: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Serenje: : KM: 2 [2 - **2**] - Shupanga: Kirk, John: BMNH: 1 [1 - **1**] - Sililo: Benson, Constantine ("Con") Walter: BMNH: 1 [1 - **1**] - Sioma Bush Camp: ?: Collector Unknown: NMP: 2 [2 - **2**] - Solwezi: : KM: 1 [1 - **1**] - Solwezi: ?: Collector Unknown: HZM: 4, NHMZ: 5 [9 - **9**] - Solwezi Boma: Ansell, William Frank Harding: BMNH: 5 [5 - **5**] - South Luangwa Valley, Mfuwe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - South Luangwa Valley, Mfuwe: ?: Collector Unknown: BMNH: 1, NMZL: 1 [2 - **2**] - Sumbu: ?: Collector Unknown: NHMZ: 1 [1]; Mulumbu, T.: NMZL: 3 [3 - **4**] - Sunza [=Sunzu] Mountain: ?: Collector Unknown: KM: 1 [1 - **1**] - Tembwe Village: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Waterfall Farm: ?: Collector Unknown: NMZL: 1 [1 - **1**] - Wusikili Bridge: Tree, A.J.: NHMZ: 1 [1 - **1**] - Zambezi: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Zambezi Rapids Ikelenge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Zambezi River plains: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Zambezi River, middle, N of: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Zimba,19 km away: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1028**].

Zimbabwe: Unknown locality: ?: Collector Unknown: BMNH: 146, HZM: 1, MMK: 1, MNHN: 8, NHMZ: 1, SMF: 2, TM: 1 [160 - **160**] - 3rd Street: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ada Estates: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Alfafa Ranch Lonely Mine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Angwa: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Angwa River: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Arcturus: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Atlantica Research Station: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Avondale: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Baines Ave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Banket: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Barberton Ranch: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Baruka cave: ?: Collector Unknown: USNM: 1 [1 - **1**] - Bashungwe Cave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Batoka Gorge: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Beacon Hill: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Beitbridge: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Benzie's Bridge, Shangani R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Benzie's Bridge, Shangani R: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Benzie's Bridge, Shangani R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Benzie's Bridge, Shanganl R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Benzje's Bridge, Shangani R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Birchenough Bridge: ?: Collector Unknown: ROM: 1 [1 - **1**] - Bonda Mission: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Bopoma River Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Bopoma River Camp, Chimanda: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Borrowdale: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Bridge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Bubye R: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Bubye R, Chikwarakwara: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Bubye R., Chikwarakwara: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Buchwa Iron Mine: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Buffalo Bend: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Buffalo Range, Field station: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Bulawayo: ?: Collector Unknown: BMNH: 1, NHMZ: 22, USNM: 1 [24]; Chubb, Ernest Charles: USNM: 3 [3 - **27**] - Bulawayo Natural History Museum: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Bulawayo Swamps: Chubb, Ernest Charles: USNM: 2 [2 - **2**] - Bulawayo, 20 km N: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Bulawayo, Industrial Site: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Bulawayo, Lakeside: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Bulldog Mine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Bumbusie Gorge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Bushtick Mine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Busi R, Manjolo: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Camp-Katembora: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Carrick Creagh Farm: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chamatema Dam: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chenahunga, Bumi R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chesengu Valley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chete: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chete Safari Area, Eastern Section: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chete, Chifumbi Spring:

?: Collector Unknown: NHMZ: 3 [3 - **3**] - Chete, Eastern Section: ?: Collector Unknown: NHMZ: 8 [8 - **8**] - Chete, Kabaya Bay: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chewore R, Mkanga Bridge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chewore/Zambezi Confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chibero: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chikombedzi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chikupo Caves: ?: Collector Unknown: TM: 2 [2]; Masterson, H.B.: TM: 1 [1 - **3**] - Chikupu [=Chikupo] Caves: ?: Collector Unknown: NHMZ: 34, ROM: 6 [40 - **40**] - Chikwarakwara: ?: Collector Unknown: NHMZ: 22 [22 - **22**] - Chikwarakwara Irrigation Scheme: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Chikwarakwara, Pesu R Gorge: ?: Collector Unknown: NHMZ: 7 [7 - **7**] - Chikwarakwara, Pesu R. Gorge: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chilo Cave, Lone Star Ranch: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chimanda CL: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chimanimani, Corner: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chinanga Dam: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Chinanga Dam, Maramba: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Chinhoyi Caves: ?: Collector Unknown: HZM: 1, NHMZ: 4 [5 - **5**] - Chinhoyi, Badze Cave: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Chinhoyi, Baruka Cave: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chinhoyi, Bashungwe Cave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chinhoyi, Orchard Cave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chinoyi: ?: Collector Unknown: HZM: 4, NHMZ: 2 [6 - **6**] - Chinoyi, Orchid Cave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chipangayi: ?: Collector Unknown: HZM: 1 [1 - **1**] - Chipinda Pools: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chipingayi Bridge, Save Valley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chiredzi: ?: Collector Unknown: NHMZ: 9 [9 - **9**] - Chiredzi Research Station: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Chiredzi, 24 km E: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Chiredzi, Lone Star Ranch: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Chiribira Falls: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chirinda: ?: Collector Unknown: NHMZ: 1 [1]; Sandground, Jack Henry: MCZ: 1 [1 - **2**] - Chirinda Forest: ?: Collector Unknown: NHMZ: 2, TM: 2, USNM: 1 [5]; Setzer, Henry W.: USNM: 1 [1 - **6**] - Chirinda Forest, Gungunyama: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chirisa Cave: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Chirisa SA, Magurazino R: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Chirisa SA, Magurazjno R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chishakwe Camp, 2 km E: ?: Collector Unknown: NHMZ: 7 [7 - **7**] - Chishakwe Camp, 3 km E: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Chishakwe Ranch: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chisuma, Dibutibu R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chisuma, Dibutibu R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chitove Tsetse Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chitowe Camp, Runde R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chivi: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Chivi Communal Land: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Chizarira NP, HQ: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chizarira NP, Manzituba: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chizarira NP, Mchesu R: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Chizarira NP, Mucheni Gorge: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Chizarira-NP, Baruri Gorge: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chizarira-NP, Manzituba: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Chizarira-NP, Mchesu River: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chizarlra NP, Manzituba: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chlkwarakwara: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chlkwarakwara, Pesu R Gorge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chlredzi Research Station: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Chlshawasha: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Chori Dam: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Chori Dam, Tokwa Ngarwe: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Chori Dam,Tokwa Ngarwe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Christon Bank: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Civic Centre: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Cleveden Farm, Mangwe: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Cleveland Dam: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Colleen Bawn: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Concession: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Cotswold farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Cotter Marondera: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Crowborough Sewage Works: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Crowborough SewageWorks: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Dagati Pan: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Dam-Wall-G/S-Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Darwendale: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Davimbi School, 5 km N: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Dawn Hill Mine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Deka-Zambezi R Confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Deka-Zambezi R Confluence: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Denja Camp, Matetsi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Dete: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Dibutibu R: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Dibutibu R, Batoka: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Dichwe: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Dick's Mine, Mutanda: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Dinosaur Trackway: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Doddieburn: Crowcroft, W.P.: BMNH: 1 [1 - **1**] - Doddieburn Ranch: ?: Collector Unknown: BMNH: 1, NHMZ: 4 [5 - **5**] - Dorowa Mine: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Douglasdale: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Dumbu Pan: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Dunblaine Martin Forest: ?: Collector Unknown: USNM: 1 [1 - **1**] - Dwala Ranch: ?: Collector Unknown: NHMZ: 7 [7 - **7**] - Dwala Ranch, Bubiana: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Dwala Ranch, Bubiana River: ?: Collector Unknown: NHMZ: 8 [8 - **8**] - Eirene farm: ?: Collector Unknown: NHMZ: 13 [13 - **13**] - Elrene Farm, Marondera: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Enyandeni: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Esigodini: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Esigodini, Falcon College: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Esigodini, Willow Park: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Esigodlni, Willow Park: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Essexvale Ranch: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2 - **2**] - Fairbridge Park: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Falcon College: ?: Collector Unknown: NHMZ: 9 [9 - **9**] - Falcon College, Bushtick Mine: ?: Collector Unknown: NHMZ: 96 [96 - **96**] - Farm 26, Kwekwe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Fern Valley: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Feruka: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Filabusi, 14 km W: ?: Collector Unknown: HZM: 1 [1 - **1**] - Fishans, Lower Runde R: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Forest Hill: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Forest Hill, Lupane: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Fort Rixon: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Fortune's Gate: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Frog Mine: ?: Collector Unknown: NHMZ: 12 [12 - **12**] - Frog Mine, Mupfure R: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Gatshe Gatshe Bay: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Gem Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gem Farm, Beitbridge: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Gimboki: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gleneagles: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Glenisla, Marondera: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gokwe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gonarezhou NP, Chipinda Pools: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gonarezhou NP, Chipinda Pools: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Gonarezhou NP, Mabalauta: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Gonarezhou NP, Nyabungwe Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gonarezhou NP,Chipinda Pools: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - GonareZhou-NP, Guluene Corridor South: ?: Collector Unknown: NHMZ: 23 [23 - **23**] - GonareZhou-NP, Mabalauta Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gordon Park: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Goromonzi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gowlay Block Lonely Mine: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Graveshead Farm, Bembesi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Great Zimbabwe: ?: Collector Unknown: NHMZ: 41 [41 - **41**] - Great Zimbabwe, Garden Cave: ?: Collector Unknown: ROM: 5 [5 - **5**] - GreatZimbabwe: ?: Collector Unknown: NHMZ: 11, ROM: 1, USNM: 1 [13 - **13**] - Greystone Park: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Groenko Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Guhudza Mountain, Chivi: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Guluene: ?: Collector Unknown:

NHMZ: 1 [1 - **1**] - Gumela Farm, Kezi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gutu Mission: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Gwaai Reserve, Nata R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gwabalanda: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gwanda: ?: Collector Unknown: NHMZ: 3 [3]; Carruthers, R.: BMNH: 2 [2 - **5**] - Gwayi R Bridge: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Gwayi R Bridge, 2 km N: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gwayi River, 1 km N: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gweru: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Gweru Teachers Training College: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gweru, E: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Gwingingwi farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Haig Park: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Happy Valley Farm: ?: Collector Unknown: ROM: 27 [27 - **27**] - Harare: ?: Collector Unknown: HZM: 2, NHMZ: 30, SAMC: 1, USNM: 1 [34 - **34**] - Harare [=Salisbury]: ?: Collector Unknown: TM: 1 [1 - **1**] - Harare [=Salisbury], Thornpark: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Harare Centre: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Harare, 19 km NW: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Harare, Atlantica Research Station: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Harare, Borrowdale: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Harare, Borrowdale Brook: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Harare, Christon Bank: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Harare, Civic Centre: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Harare, Cleveland Dam: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Harare, Cranborne: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Harare,16 km NE: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Harare,19 km NW: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Harare. Cleveland Dam: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Haroni Forest: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Haroni Valley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Haroni-Lusitu Beacon 74: ?: Collector Unknown: HZM: 1 [1 - **1**] - Haroni-Rus~u R Confluence,: ?: Collector Unknown: HZM: 1 [1 - **1**] - Haroni-Rusitu R Confluence: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Hatfield: Scott-Martin, P.: USNM: 1 [1 - **1**] - Hazeldene: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Heany: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Helensvale: ?: Collector Unknown: HZM: 1 [1 - **1**] - Henderson Research Station: ?: Collector Unknown: USNM: 1 [1]; Goussard, S.W.: USNM: 1 [1 - **2**] - High School Marondera: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Highlands: Ward, D.: USNM: 1 [1 - **1**] - Highlands School: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hillandale, Kwekwe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hillside: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Hippo Valley, Cistrus Estates: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Hippo Valley, Kutanga Estates: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Hippo Valley, Old Village: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Homestead Mine: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Honde-Mtarazi R confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hope Fountain Mission: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Hospital: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hostes Nicoll Research Institute: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hoya River Camp: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Hoya River Camp, Muzarabani: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Humani Ranch: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Hwange NP, Bumbusle: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange NP, Dete area: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange NP, Inyantue: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange NP, Kapami: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange NP, Main Camp: ?: Collector Unknown: NHMZ: 11 [11 - **11**] - Hwange NP, Makalowa Pan: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Hwange NP, Mandundumela Pan: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange NP, Ngamo Pan: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Hwange NP, Ngweshla Pan: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange NP, Shapi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange NP, Shumba Pan: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange NP, Umtshibi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange NR Main Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange NR, Ngamo Pan: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange Safari Lodge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hwange-NP, Main Camp: ?: Collector Unknown: HZM: 1, NHMZ: 2 [3 - **3**] - Hwange-NP, Ngamo Pan: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ingezi River: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ingwe Mine: ?: Collector Unknown: NHMZ: 14 [14 - **14**] - Insuza Vlei, Gwaai Forest: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Inwesi Ranch Syringa: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Inyankuni: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Inyati Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Jeff Estate: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Juliasdale: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kabuba Camp: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Kabuba Camp, Manjolo: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Kambuzuma: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kandaha: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kanjedza River: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Kanona, 32 mi NE: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1**] - Kanona, 42 mi SW: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1**] - Kanyati: : TM: 1 [1 - **1**] - Kanyemba: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Kariba: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Kariba, island in: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kariba, lake: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Kariba, Mopane Bay: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Karna Block Ranch: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Karoi: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Katombora Rapids: ?: Collector Unknown: NHMZ: 39 [39 - **39**] - Kaukua Cave: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Kazangula: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Kingsway: ?: Collector Unknown: HZM: 1 [1 - **1**] - Kudu Asbestos Mine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kudzwé [dam]: ?: Collector Unknown: MNHN: 8 [8 - **8**] - Kudzwe River, near: ?: Collector Unknown: MNHN: 8 [8 - **8**] - Kwekwe Ranch: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Kwizizi R, Deka Valley: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Lake Kariba: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Lake Kariba Game Camp: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Lake Kariba Heights: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lake Kariba, Gatshe Gatshe Bay: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Lake Kariba, Kanyati Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lake Kariba, Mwenda: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lake Kyle NP: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Lake Kyle NR: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lake McIlwaine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lake McIlwaine: ?: Collector Unknown: NHMZ: 15 [15 - **15**] - Lakeside: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lannerhurst Mine: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Lannerhurst Mine, West Nicolson: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Limestone Cave, Kyle: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Limpopo R: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Limpopo Valley, Sentinal Ranch: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Limpopo-Shashi R Confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lion and Cheetah Park: ?: Collector Unknown: TM: 2 [2 - **2**] - lngwe Mine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - lngwe Safari: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - lnsuza Vlei, Gwaai Forest: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lomagundi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lone Star Ranch: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Lucilia Port, Shurugwi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lumane Valley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lunare valley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lundi [= Runde] R: ?: Collector Unknown: HZM: 1 [1 - **1**] - Lusuiu Tsetse Station, Sebungwe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lusulu Tsetse Station: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Lusulu Tsetse Station, Sebungwe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lutope and Sengwa Rivers confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lutope Ngolangola Confluence: ?: Collector Unknown: NHMZ: 23 [23 - **23**] - Lutope-Ngoiangola R Confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lutope-Ngolangola R Confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Lutope-Ngolangola R Confluence: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Mabalanta Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mabura , Cave, Ngondoma R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mabura 1 Cave: ?: Collector Unknown: NHMZ: 82 [82 - **82**] - Mabura 1 Cave, Ngondoma R: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Mabura 2 Cave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mabura 2 Cave, Munyati R: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Mabura 2 Cave, Munyati

R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - MacDougall's Tunnel: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - MacDougall's Tunnel, Triangle: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Mafungabusi Forest: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Magurazino River: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mahenge, Lower Save: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Maiugwe Pan: ?: Collector Unknown: HZM: 1 [1 - **1**] - Majorca Ranch, Kwekwe: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Makonde Hill, Save Valley: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Makurupini: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Makwiro: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Malapati: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Malapati Nuanetsi River: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Malilangwe Conservancy [=Lone Star Ranch]: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Malipati: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Malugwe Pan: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Malve: Pitman, Charles Robert Senhouse: BMNH: 1 [1 - **1**] - Mana Pools NP: ?: Collector Unknown: HZM: 1, NHMZ: 4 [5 - **5**] - Mana Pools NP, Nyamepi: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Mana Pools NP, Sapi R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mana Pools NR, Nyamepi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mana Pools-NP: ?: Collector Unknown: HZM: 1, TM: 6 [7 - **7**] - Mana Pools-NP, Nyamepi Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mangwe, Vashu Farm: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Mangwe,Vashu Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mangwindi Gorge, Mtillkwe R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Manyambara: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Manyeringa Farm, Guruve: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Manyima River: ?: Collector Unknown: NHMZ: 15 [15 - **15**] - Marivaile Ranch: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Marivalle Ranch: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Marlborough Sewage Works: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Marondera: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Martin Forest Reserve: ?: Collector Unknown: USNM: 1 [1 - **1**] - Marymount mission: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mashonaland West province: ?: Collector Unknown: SMF: 8 [8 - **8**] - Mashumbi Pools: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Masingwa R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Masingwa River: ?: Collector Unknown: HZM: 1, NHMZ: 9 [10 - **10**] - Masvingo, 160 km NE: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Masvingo, 30 km SE: ?: Collector Unknown: ROM: 1 [1 - **1**] - Masvingo,16 km W: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matabeie Sheba Mine, Esigodini: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matabele Sheba Mine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matema Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matetsi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matetsi SA, HQ: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matetsi SA, Tshope vlei: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Matobo Hills: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Matobo Hills, Amalinda Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo Hills, Bale Hill Cave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo Hills, Diana's Pool: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo Hills, Diana's Pool: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Matobo Hills, Lumane Valley: ?: Collector Unknown: NHMZ: 7 [7 - **7**] - Matobo Hills, Mtshavezi Valley: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Matobo Hills, Mtshavezi Valley,: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo Hills, Mtshelele Valley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo Hills, Shambanyama R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo Hills, Tendele R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo Hills, Totololo R: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Matobo Hills, Totololo R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo Hllis, Lumane Valley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo NP: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Matobo NP, Gordon Park: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo NP, Lower Outspan: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Matobo NP, Maleme Dam: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo NP, Whitewaters Dam: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Matobo NR, Whitewaters Dam: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matobo Research Station: ?: Collector Unknown: NHMZ: 7 [7 - **7**] - Matopo Hills, Lumane Falls: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Matopo Hills, Maleme Valley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Matopo, Mtshabezi Valley: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Mavuradonha Wilderness Area: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mazoe: ?: Collector Unknown: BMNH: 1, NHMZ: 1 [2]; Darling, J.ff.: BMNH: 3 [3 - **5**] - Mazoe R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mazowe: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Mbalabala: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Mberengwa Mountain: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Mcheni Gorge: ?: Collector Unknown: BMNH: 3 [3 - **3**] - Mcllwaine, lake: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Merrywaters: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mhangura, 8 km N: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mill's Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mkota NR: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Monavale: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Morgenster Mission: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Mount Selinda: ?: Collector Unknown: USNM: 1 [1 - **1**] - Mrewa: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Msandane Hill, Shashi R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Msitive and Mtoroshanga rivers, confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mtshabezi Bridge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mtshavezi valley: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Munyati: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Munyati Bridge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Munyati R: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Munyati, Rhino [=Chimsoro] Cave: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Murehwa Caves: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Musemu Farm: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Musemu Farm, Norton: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Musengezi River: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Musengezi River Confluence: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Mushandike NP: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Mushandike NR Matema Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mushandike-NP: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mushandike-NP, Matema Camp: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Mushandlke NP: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mutambaramwe Cave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mutanda: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Mutanda Hills, Save Drift: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Mutare: ?: Collector Unknown: HZM: 1, NHMZ: 64, ROM: 37 [102 - **102**] - Mutare Asbestos Mine: ?: Collector Unknown: NHMZ: 39 [39 - **39**] - Mutare Boys High School: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mutare Museum: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mutare,15 km W: ?: Collector Unknown: NHMZ: 11 [11 - **11**] - Mutoko Communal Land, Nyandia Dam: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Muzarabani Clinic: ?: Collector Unknown: NHMZ: 17 [17 - **17**] - Muzarabani, Arda Office: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Muzarabani, Staff House: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Muzvezve Communal Land: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Muzvezve NR: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Muzvezve Resettlement Scheme: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mvuma: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Mvuma, 6 km SW: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mvurwi: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Mzankwe Bridge, 3 km N: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Mzola Camp: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Nampini: Arends, Nicholas P.: AMNH: 1 [1 - **1**] - N'dola: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Netridge Farm: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Netridge Farm, Calcite Cave: ?: Collector Unknown: ROM: 1 [1 - **1**] - Ngamo Gwaai Reserve: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Ngondoma, Mabura 1 Cave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ngorima Reserve: ?: Collector Unknown: USNM: 2 [2 - **2**] - No 2 Adit: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Norah Valley Bromley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nottingham Estates: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Ntabanende farm, Esigodini: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nwanetsi: ?: Collector Unknown: TM: 3 [3 - **3**] - Nyadire River Camp: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Nyadire River Camp, Pfungwe: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Nyadiri R: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Nyadiri R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nyadiri River: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nyadiri River, near

bridge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nyadlre River Camp, Pfungwe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nyagui R: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Nyagui R, 2 km N of Chenjerai confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nyagui R,2 km N of Chenjerai confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Nyajena: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Nyamandhlovu: ?: Collector Unknown: NHMZ: 10 [10 - **10**] - Nyamunyeche: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Nyamunyeche, Mvurwi: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Nyandia Dam: ?: Collector Unknown: NHMZ: 13 [13 - **13**] - Nyanga: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Nyanumi River: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Nyashato Dam: ?: Collector Unknown: NHMZ: 35 [35 - **35**] - Nyazura: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Odzi: ?: Collector Unknown: BMNH: 1, NHMZ: 4 [5 - **5**] - Odzi district: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Old Umtali: ?: Collector Unknown: HZM: 1 [1 - **1**] - Orchard Cave: ?: Collector Unknown: HZM: 1, NHMZ: 2 [3 - **3**] - Parkmeadowland: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Peak Mine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Peak Mine, Belingwe: ?: Collector Unknown: HZM: 1 [1 - **1**] - Penhalonga: ?: Collector Unknown: NHMZ: 10 [10 - **10**] - Penrose Farm,: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Penrose Farm, Mvurwi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Pesu R Gorge: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Pesu River Gorge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Peterhouse School: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Plumtree School: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Porte Angwa Junction: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Princess Farm: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Princess Farm,: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Princess Farm, Shurugwi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Pungwe River: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Pungwe-Rwera R Confluence: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Quagga Mine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Quaggas Hoek: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Radio Mine: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Rainham: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ramofu Cave: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Ranelia: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Razi Chibi: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Red Hill Mine: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Redbank, Nyamandlovu: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Redrups Kop Mine: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Retreat Farm: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Rhodes Inyanga National Park: ?: Collector Unknown: TM: 2 [2 - **2**] - Rifle Range: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Rifle Range, Kwekwe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - River Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ruenya R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Rungwe R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Rupisi Hot Spring: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Rusape-Nyanga: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Rusito forest, Rustio River: ?: Collector Unknown: NHMZ: 1, TM: 6 [7]; Transvaal Museum Expedition, The: TM: 1 [1 - **8**] - Rusitu Forest: ?: Collector Unknown: NHMZ: 10 [10 - **10**] - Ruya R: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Ruya R,: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ruya R.: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Sabi [= Save] R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sabi-Lundi [= Save-Runde] R Confluence: ?: Collector Unknown: NHMZ: 4, USNM: 2 [6]; Liversedge, T.N.: USNM: 1 [1 - **7**] - Sabi-Lundi junction: Carp, B.: KM: 1 [1]; Liversedge, T.N.: USNM: 1 [1 - **2**] - Sable Peak Farm, Concession: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Safari Farm: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Saffron Walde R, Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Saffron Walden, Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Salisbury: Loure; Hickmans: USNM: 1 [1]; Setzer, Henry W.: USNM: 1 [1 - **2**] - Salisbury Street: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Salisbury, Borrowdale Road: Brown, H.D.: TM: 1 [1 - **1**] - Samalanga Pan: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Samalema Gorge, Mwenezi R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Samalema Gorge, Mwenezi R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Samba Ranch: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sandstone Fissure: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sanyati West Camp: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Sauerstown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Save Valley: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Save Valley, Chipingayi Bridge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Save Valley, Makonde Hill: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Save-Lunde R Confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Save-Lunde R Confluence, Marhumbini: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Save-Lunde R Confluence, Marhumbinl: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sebakwe River: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Selinda, mount: Sandground, Jack Henry: MCZ: 7 [7 - **7**] - Selous: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Selukwe: Stevenson, Roy Hew Russell: AMNH: 1 [1 - **1**] - Sengereri Hills: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sengereri Hills: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Sengwa Wildlife Research Area: ?: Collector Unknown: HZM: 1, NHMZ: 17, ROM: 1 [19 - **19**] - Sengwa Wildlife Research Station: ?: Collector Unknown: NHMZ: 28, ROM: 33, TM: 32 [93 - **93**] - Sengwe Wildlife Research Area: Bell, G.P.: ROM: 1 [1 - **1**] - Sentinal Ranch: ?: Collector Unknown: NHMZ: 15, TM: 1 [16 - **16**] - Sentinel Ranc!1, Tongani R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Sentinel Ranch: ?: Collector Unknown: HZM: 1, NHMZ: 62 [63 - **63**] - Shabani [= Zvishavane], 24 km N: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Shambayetu Farm: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Shamva, 48 km NE: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Shangani Bridge, Lubimbi: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Shangani R, Mzola Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Shangani R., Mzola Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Shangani River: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Shashe: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Shashi Rocks: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Shinda Estates: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Shurugwi: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - Shurugwi, 2 km E: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Singama: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Singereri Hills: ?: Collector Unknown: NHMZ: 6, ROM: 1 [7 - **7**] - Sohwe River: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - St Carera Farm: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - St James Mission: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - St James Mission, Nyamandlovu: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Stratton Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Strickland Lodge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Tanganda Bridge: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Tashinga: ?: Collector Unknown: NHMZ: 12 [12 - **12**] - Terendali Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - The Homestead: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - The Park: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Thompark: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Thornpark: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Tingwa R: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Tingwa R, Mavuradonha: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Tingwa River: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Toronto: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Torre: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Torre, Marondera: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Triangle: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Triangle Game Park: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Triangle, MacDougall's Tunnel: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Triangle, near: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Triumph Mine: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Trumph Mine: ?: Collector Unknown: ROM: 1 [1 - **1**] - Tshakabika: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Tsungwesi Guano Cave: ?: Collector Unknown: NHMZ: 14 [14 - **14**] - Tuli Camp: ?: Collector Unknown: NHMZ: 27 [27 - **27**] - Tuli Safari Area: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Tupton, Marondera: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Twentydales: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Umfuleni Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Umfuli River: Marshall, G.A.K.: BMNH: 1 [1 - **1**] - Umkhondo Mine: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Umtali mine adit: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Umtali Old Mine: ?: Collector Unknown: USNM: 1 [1 - **1**] - Umtali, 3 mi from, on Uumbra road: ?: Collector Unknown: USNM: 1 [1 - **1**] - Umzingwane R.: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Union Avenue: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Unknown locality: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Urungwe Safari Area: : TM: 1 [1 - **1**] - Vashu Farm: ?: Collector

Unknown: NHMZ: 1 [1 - **1**] - Victoria Falls: ?: Collector Unknown: NHMZ: 11 [11 - **11**] - Victoria Falls, Lodge 18: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Victoria Falls, Zambezi Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Victory Cave: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Virginia Farm, Glendale: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Viro Hill: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Viro Hill, Kachuta Mhangura: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Volunteer Farm: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Volunteer Farm, Main Camp: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - Volunteer Farm, Main Dam: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Volunteer Farm, Zwikungwa: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Volunteer farms: ?: Collector Unknown: NHMZ: 7 [7 - **7**] - Vumba: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - Vumba National Park: ?: Collector Unknown: USNM: 1 [1 - **1**] - Wallaby Claims: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Warren Hills: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - West Nicholson: ?: Collector Unknown: BMNH: 1 [1 - **1**] - West Nicholson, 5 km W: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Westwood Lodge: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - Westwood Vlei: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Wilderness Area: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Wildwood Sanctuary: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Willow Park: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Willow Park: ?: Collector Unknown: NHMZ: 10 [10 - **10**] - Wolfshaw Pass: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Zambesidal: Holub, Emil: SMNS: 1 [1 - **1**] - Zambezi R: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Zambezi Valley: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Zambezi-Chwore R Confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Zambezi-Namakunda R Confluence, Katombora: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Ziwa Nyanga: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Zvarayi Cave: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2458**].

Total Specimens for Collection Date Unknown: 31554

1 April 1800

Congo (Democratic Republic of the): Unknown locality: Hesse, P.: SMF: 6 [6 - **6**] - Netonna: Hesse, P.: SMF: 7 [7 - **7** - **13**].

Total Specimens for 1 April 1800: 13

1 April 1821

Egypt: Saqqara: Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: ZMB: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1821: 2

1 September 1821

Egypt: Aswan [in Egypt and Chondek, Northern Province in Sudan]: Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: ZMB: 1 [1 - **1**] - the Nile valley between Aswan, Egypt, and Khondek, Sudan: Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: ZMB: 1 [1 - **1** - **2**].

Total Specimens for 1 September 1821: 2

1 January 1822

Egypt: Unknown locality: Rüppell, Wilhem Peter Edward Simon: SMF: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1822: 2

1 January 1824

Egypt: Giza: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1** - **1**].
Sudan: Sennar: : SMF: 2 [2 - **2**] - Shendi: Rüppell, Wilhem Peter Edward Simon: SMF: 2 [2 - **2** - **4**].

Total Specimens for 1 January 1824: 5

1 January 1825

Sudan: Kordofan: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1825: 1

1 February 1825

Sudan: Kordofan: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1825: 1

1 January 1826

Sudan: Kordofan: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1826: 1

1 January 1827

Eritrea: Massaua: : SMF: 2 [2 - **2**] - Massawa: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Mauritius: Unknown locality: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1827: 5

1 January 1831

Egypt: Unknown locality: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1831: 1

1 January 1834

Eritrea: Massaua: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1834: 2

1 July 1834

Ethiopia: Simien mountains: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1834: 1

1 January 1837

South Africa: Unknown locality: Verroux, W.: SMF: 1 [1 - **1**] - Cape: : SMF: 1 [1 - **1** - **2**].
Sudan: Sennar: Botta, Paolo Emilio: RMNH: 1 [1 - **1** - **1**].
Yemen: no specific locality: Botta, Paolo Emilio: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1837: 4

17 July 1838

Botswana: Artesia: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1838: 1

4 April 1839

The Gambia: Gambia river, lower: Rendall, Percy: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 4 April 1839: 2

1 January 1840

Sudan: Sennar: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1** - **1**].
The Gambia: Unknown locality: Steinmann: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1840: 2

25 April 1840

South Africa: Port Natal: Wahlberg, Johan August: NRM: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1840: 1

1 January 1841

Ethiopia: Shoa: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1**] - Shoa province: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1841: 2

18 April 1841

South Africa: Caffer: Wahlberg, Johan August: NRM: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1841: 1

1 January 1842

Ethiopia: Shoa province: Rüppell, Wilhem Peter Edward Simon: SMF: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1842: 2

27 November 1842

South Africa: Tugela river: Wahlberg, Johan August: NRM: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1842: 1

1 January 1843

Egypt: Unknown locality: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].
Mozambique: Inhambane: Peters, Wilhelm Carl Hartwig: ZMB: 4 [4 - **4**] - Mozambique Island: Peters, Wilhelm Carl Hartwig: ZMB: 3 [3 - **3**] - Tette [=Tete]: Peters, Wilhelm Carl Hartwig: ZMB: 1 [1 - **1** - **8**].

Total Specimens for 1 January 1843: 9

27 November 1843

South Africa: Tugela river: ?: Collector Unknown: NRM: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1843: 1

1 March 1845

Mozambique: Tette [=Tete]: Peters, Wilhelm Carl Hartwig: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1845: 1

1 January 1851

Egypt: Nile: ?: Collector Unknown: USNM: 4 [4 - **4** - **4**].

Total Specimens for 1 January 1851: 4

1 January 1852

Equatorial Guinea: Fernando Poo: Cuming, W.: SMF: 1 [1 - **1** - **1**].
Eritrea: Cheren [=Keren]: Heuglin, Martin Theodor von: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1852: 2

1 January 1853

Egypt: Unknown locality: ?: Collector Unknown: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1853: 2

1 August 1853

Sudan: Sennaar: Heuglin, Martin Theodor von: NMW: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1853: 1

3 April 1854

Ethiopia: Bellegaz valley: Von Heuglin, Theodor: NMW: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1854: 1

1 January 1855

Benin: Kunjuruma: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Sudan: Bellegas: Von Heuglin, Theodor: SMNS: 1 [1 - **1**] - Sennar: : SMF: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1855: 3

1 January 1856

The Gambia: Unknown locality: Tomes Collection, The: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1856: 1

2 March 1856

Ethiopia: Abyssinia: Von Heuglin, Theodor: NMW: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1856: 1

8 August 1859

Namibia: Olifant's Vlei [= Elephant Vlei / Vley]: Andersson, C.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1859: 1

10 August 1859

Namibia: Olifant's Vlei [= Elephant Vlei / Vley]: Andersson, C.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1859: 1

1 December 1859

Namibia: Unknown locality: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1859: 1

1 January 1860

Algeria: Ouargla: Fatio, Victor: MHNG: 1 [1 - **1** - **1**].
Egypt: Arabia Petraea: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1** - **1**].
Ghana: Côte d'Or: Nagtglas, C.J.M.: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1860: 4

1 January 1861

Eritrea: Keren: Heuglin, Martin Theodor von: SMNS: 9 [9 - **9** - **9**].

Total Specimens for 1 January 1861: 9

1 January 1862

Eritrea: Bogos: Kraus, F.: RMNH: 1 [1 - **1** - **1**].
Ethiopia: Adowa: Heuglin, Martin Theodor von: SMNS: 1 [1 - **1** - **1**].
Tanzania: Zanzibar: Cooke, Caleb: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1862: 4

1 January 1863

Ghana: Gold Coast [=Goldküste]: Nagtglas, C.J.M.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1863: 1

1 October 1863

South Sudan: Bongo: Von Heuglin, Theodor: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 1 October 1863: 2

1 January 1864

Tanzania: Zanzibar: Grandidier, Guillaume: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1864: 1

23 July 1865

Madagascar: North-west coast: : RMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1865: 1

30 July 1865

Madagascar: Nossi-Be: : RMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1865: 1

11 August 1865

Madagascar: Amballiala: : RMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1865: 1

17 August 1865

Madagascar: Nossi-Be: : RMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1865: 1

4 October 1865

Madagascar: Nossi Tany Kely: : RMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 October 1865: 1

1 January 1866

Egypt: Unknown locality: ?: Collector Unknown: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1866: 1

1 January 1868

São Tomé and Principé: São Tomé Island: Newton, F.; Pires: MLZA: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1868: 1

1 January 1871

South Africa: Durban: Schluter: SMNS: 1 [1 - **1**] - KwaZulu-Natal province: Schlüter, Wilhelm: SMNS: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1871: 2

10 December 1872

Egypt: Cairo, 20 km S: Roosevelt, Theodore (Teddy): USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1872: 1

8 February 1873

Egypt: Hersneh: Roosevelt, Theodore (Teddy): USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1873: 1

1 January 1875

"Africa": "Liberia ??": ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1875: 1

23 January 1875

Egypt: Denderah Temple: Cory, Charles Barney: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1875: 1

2 December 1875

Gabon: Lac Zedee: Marche, Alfred A.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1875: 1

1 January 1876

Madagascar: Unknown locality: Mulie, C.: RMNH: 1 [1 - **1** - **1**].
Mauritius: Mare au Songes: : ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1876: 2

1 January 1877

Angola: Biballe and Rio Coroca, Caconda: Hildebrandt, Johann Maria: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1877: 1

4 September 1879

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1879: 1

17 November 1879

Egypt: Dahshur: Schroder, G.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1879: 1

1 January 1880

Algeria: Laghouat: Lataste collection, The: MNHN: 1 [1 - **1**] - Ouargla: Lataste collection, The: MNHN: 1 [1 - **1** - **2**].
Madagascar: Eastern Madagascar: Humblot, Léon: MNHN: 10 [10 - **10** - **10**].

Total Specimens for 1 January 1880: 12

8 April 1880

Algeria: Ouargla: Lataste, Fernand: BMNH: 1, MSNG: 1 [2 - **2** - **2**].

Total Specimens for 8 April 1880: 2

6 June 1880

Egypt: Cairo, near: Mook: NMW: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1880: 1

19 October 1880

Liberia: Muhlenberg Mission: Büttikofer, Johan; Sala, C.F.: RMNH: 1 [1 - **1**] - Mühlenburg-Mission: Büttikofer, Johan; Sala, C.F.: RMNH: 1 [1 - **1** - **2**].

Total Specimens for 19 October 1880: 2

19 April 1881

Liberia: Buluma: : RMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1881: 1

24 June 1881

Tanzania: Zanzibar: De Ville: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 24 June 1881: 2

1 January 1882

Sudan: Khartoum: Voisin: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1882: 1

28 February 1882

Egypt: Thebes: Chiappa, B.: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1882: 1

9 December 1882

Tanzania: Zanzibar: de Ville: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1882: 1

28 February 1883

Congo (Democratic Republic of the): Semmio: Bohndorff: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1883: 1

6 August 1883

South Africa: Kaap provincie [=Cape province]: Ward, Henry Augustus: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1883: 1

29 October 1883

Congo (Democratic Republic of the): Tingasi: : BMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 October 1883: 2

1 January 1884

Congo (Democratic Republic of the): Banana: Anema, L.: ZMA: 1 [1 - **1**] - Semmio: Bohndorff: RMNH: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1884: 2

17 June 1884

Congo (Democratic Republic of the): Niam-Niam: Bohndorff: RBINS: 3 [3 - **3** - **3**].

Total Specimens for 17 June 1884: 3

22 July 1884

Liberia: Schieffelinsville: Stampfli, F.X.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1884: 1

14 August 1884

Liberia: Schieffelinsville: Stampfli, F.X.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1884: 1

30 November 1884

Ethiopia: Let Marafi: Antinori, Orazio: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1884: 1

1 January 1885

Egypt: Cairo, 20 km S: Innes, Walter F.: BMNH: 1 [1 - **1**] - El Maabdeh cave: Senna, Angelo: USNM: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1885: 2

21 January 1885

Gabon: Ssibange [Sibange] farm: Soyaux, H.: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1885: 1

1 February 1885

Algeria: Biskra: : SMF: 1 [1 - **1** - **1**].
Tunisia: Tunis: : SMF: 1 [1]; Miceli, F.: SMF: 2 [2 - **3** - **3**].

Total Specimens for 1 February 1885: 4

11 July 1885

Liberia: Schieffelinsville: Stampfli, F.X.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1885: 1

9 September 1885

Liberia: Schieffelinsville: Stampfli, F.X.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1885: 1

23 September 1886

Sierra Leone: Freetown: Swoboda: NMW: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1886: 1

1 January 1887

Sudan: Nubia: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1887: 1

11 January 1887

Liberia: Schieffelinsville: Büttikofer, Johan; Sala, C.F.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1887: 1

1 March 1887

Congo (Democratic Republic of the): Boma: Hesse, P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1887: 1

3 April 1887

Canary Islands (Spain): Orotava: Gomez, Ramon: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1887: 1

1 July 1887

Liberia: Farmington river: Stampfli, F.X.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1887: 1

1 November 1887

Liberia: Schieffelinsville: Büttikofer, Johan; Sala, C.F.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1887: 1

1 January 1888

South Africa: Krokodil river: Wahlberg, Johan August: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1888: 1

1 June 1888

Tanzania: Bagamoyo: ?: Collector Unknown: ZMH: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1888: 1

1 January 1889

Congo (Democratic Republic of the): Banana: Hesse, P.: SMF: 2 [2 - **2**] - Netonna: Hesse, P.: SMF: 2 [2 - **2** - **4**].
Kenya: Masailand: Fischer: RMNH: 1 [1 - **1**] - Taveta: Abbott, William Louis: USNM: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1889: 6

1 June 1889

Cape Verde: Fogo isalnd: ?: Collector Unknown: USNM: 1 [1]; Foa, L.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 1 June 1889: 2

9 September 1889

Tanzania: "Mosambiro", but actually Usambiro: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1889: 1

1 December 1889

Angola: Cunga: Brown, W.: USNM: 7 [7 - **7** - **7**].

Total Specimens for 1 December 1889: 7

25 December 1889

Angola: Cunga: ?: Collector Unknown: USNM: 1 [1]; Brown, W.: USNM: 5 [5 - **6** - **6**].

Total Specimens for 25 December 1889: 6

20 February 1890

Tanzania: Bagamoyo: Emin Pascha / Pasha / Bey: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 February 1890: 2

4 April 1890

Seychelles: Mahe Island: Abbott, William Louis: USNM: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1890: 1

2 May 1890

Eritrea: Massaua: Doria, Giacomo: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1890: 1

8 June 1890

Congo (Democratic Republic of the): Netonna: Hesse, P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1890: 1

20 August 1890

Tanzania: Ngerengere River: Pasha, Emin: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1890: 1

1 January 1891

Angola: Pungo Andongo: Anchieta, José Alberto de Oliveira: MLZA: 2 [2 - **2** - **2**].
Egypt: Alexandria: Siépy: MNHN: 3 [3 - **3** - **3**].
Lesotho: Hermon: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1891: 6

15 January 1891

Uganda: Soweh Island: Emin Pascha / Pasha / Bey: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1891: 1

1 March 1891

Egypt: Cairo, 20 km S: Stuhlmann, Franz Ludwig: ZMH: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1891: 1

1 April 1891

Angola: Ambriz: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1891: 1

15 June 1891

Madagascar: Morondava: Doulist, M.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1891: 1

1 October 1891

Lesotho: Hermon: Christol, Frédéric: MSNG: 3 [3 - **3** - **3**].

Total Specimens for 1 October 1891: 3

5 December 1891

Central African Republic: Mpoko: Dybowski, Jean: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1891: 1

10 December 1891

Madagascar: Unknown locality: Malaurent: RBINS: 1 [1 - **1** - **1**].
Malawi: Zomba Plateau: Johnston, Harry H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1891: 2

16 December 1891

Egypt: Gizeh: Anderson, John: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1891: 1

18 December 1891

Malawi: Mulanje Plateau: Whyte, Alex: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1891: 1

1 January 1892

Algeria: Biskra: Koenig, Alexander Ferdinand: ZFMK: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Mouth of Congo: Lewis, J.M.: BMNH: 1 [1 - **1** - **1**].
Ethiopia: Ogaden: Ruspoli, L.: USNM: 2 [2 - **2** - **2**].
Seychelles: Aldabra Island: Abbott, William Louis: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1892: 7

1 February 1892

Malawi: Zomba town: Johnston, Harry H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1892: 1

22 February 1892

Gabon: Ogowe: Schmidt, A.: ZMH: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1892: 1

1 April 1892

Central African Republic: Kemo, Upper: Dybowski, Jean: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1892: 1

1 June 1892

Liberia: Unknown locality: Cook, Orator Fuller: USNM: 1 [1 - **1**] - St. Paul's River: Cook, Orator Fuller: USNM: 1 [1 - **1** - **2**].

Total Specimens for 1 June 1892: 2

28 June 1892

Liberia: Grand Lapin: Demery, Jackson: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1892: 1

26 September 1892

Seychelles: Aldabra Island: Abbott, William Louis: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1892: 1

17 October 1892

Seychelles: Aldabra Island: Abbott, William Louis: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1892: 1

1 November 1892

Kenya: Unknown locality: Chandler, W.A.: USNM: 1 [1 - **1**] - Tana river: Chandler, W.A.: USNM: 4 [4 - **4** - **5**].

Total Specimens for 1 November 1892: 5

1 January 1893

Ethiopia: Harrar: Salimbeni, Augusto: MSNG: 2 [2 - **2** - **2**].
Lesotho: Seribe: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Malawi: Zomba: Whyte, Alex: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1893: 4

5 April 1893

Uganda: Entebbe: Jackson, F.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1893: 1

6 April 1893

France: St. Paterna: Nitsche: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1893: 1

15 May 1893

Zimbabwe: Mashonaland province: Brown, Harvey: CM: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1893: 1

1 July 1893

Eritrea: Assab: Pestalozzi, Guilio: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1893: 1

17 July 1893

Namibia: De Valle: Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]; Erasmus, H.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1893: 1

8 November 1893

Congo (Democratic Republic of the): Léopoldville: Camp, J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1893: 1

1 January 1894

Egypt: Unknown locality: Schlüter, Wilhelm: ZFMK: 1 [1 - **1** - **1**].
Ghana: Kete: Baumann: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1894: 2

11 January 1894

Tanzania: Vikindo [forest]: Stuhlmann, Franz Ludwig: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1894: 1

19 January 1894

Tanzania: Ushindo: Stuhlmann, Franz Ludwig: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1894: 1

1 May 1894

Liberia: Coffee, Mount: Cook, Orator Fuller: USNM: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1894: 2

11 July 1894

Azores (Portugal): Terceira Island: Trelease, W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1894: 1

1 November 1894

Madagascar: Ambohimitombo [= Ambohimitombo]: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1894: 1

1 January 1895

Djibouti: Obock: Tousseaume.: MNHN: 3 [3 - **3** - **3**].
Madagascar: Ambohimitombo [= Ambohimitombo]: Major, Charles Immanuel Forsyth: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1895: 4

13 January 1895

Zimbabwe: Mazoe: Darling, J.ff.: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 13 January 1895: 4

2 February 1895

Madagascar: Ambositra: Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1895: 1

15 February 1895

Madagascar: Ambositra: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1895: 1

25 April 1895

Malawi: Fort Johnston: Rendall, Percy: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1895: 1

28 April 1895

Malawi: Fort Johnston: Rendall, Percy: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1895: 1

1 May 1895

Madagascar: Mahanoro: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1895: 1

11 May 1895

Madagascar: Sakaleo River: Abbott, William Louis: USNM: 2 [2 - **2** - **2**].

Total Specimens for 11 May 1895: 2

12 May 1895

Madagascar: Sakaleo River: Abbott, William Louis: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1895: 1

1 June 1895

Madagascar: Anibohimasina: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1895: 1

13 June 1895

Zimbabwe: Mazoe: Darling, J.ff.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1895: 1

14 June 1895

Cameroon: Efulén: Bates, George Latimer: USNM: 2 [2 - **2** - **2**].
Malawi: Shire river, upper: Rendall, Percy: SMTD: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1895: 3

28 June 1895

Malawi: Upper Shire River: Rendall, Percy: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1895: 1

3 July 1895

Madagascar: Fandriana region: Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **1**] - Imasindrary [= Masindary]: Grandidier Collection, The: MCZ: 1 [1 - **1**] - Imasindrary [=Sahamananina]: Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **1** - **3**].

Total Specimens for 3 July 1895: 3

5 September 1895

Malawi: Shire river, upper: Rendall, Percy: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1895: 1

1 January 1896

Guinea: Conakry Island: Maclaud, C.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1896: 1

23 March 1896

Madagascar: Ampitambé: Major, Charles Immanuel Forsyth: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1896: 1

8 April 1896

Madagascar: Ambositra: Major, Charles Immanuel Forsyth: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 April 1896: 2

26 May 1896

Madagascar: Vinanitelo [= Vinantelo]: : FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1896: 1

6 June 1896

Madagascar: Amboasary: Major, Charles Immanuel Forsyth: FMNH: 1 [1 - **1**] - Itambelo: : BMNH: 1 [1 - **1** - **2**].

Total Specimens for 6 June 1896: 2

1 July 1896

Malawi: Fort Hill [=Chitipa]: White, A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1896: 1

28 September 1896

South Africa: Albany district: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1896: 1

1 January 1897

Liberia: Mount Coffee: Cook, Orator Fuller; Collins, Guy N.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1897: 1

3 January 1897

Liberia: Mount Coffee: Currie, Rolla Patterson: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1897: 1

23 February 1897

Liberia: Mount Coffee: Currie, Rolla Patterson: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1897: 1

2 March 1897

Sudan: Wagga, mount: Phillips, E.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 2 March 1897: 3

24 March 1897

Kenya: Maungu: Britton, C.S.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1897: 1

27 March 1897

Liberia: Mount Coffee: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1897: 1

1 April 1897

Liberia: Mount Coffee: Currie, Rolla Patterson: USNM: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1897: 2

6 April 1897

Egypt: Saqqara: : ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 6 April 1897: 2

16 April 1897

Liberia: Mount Coffee: Currie, Rolla Patterson: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1897: 1

22 April 1897

Liberia: Mount Coffee: Currie, Rolla Patterson: USNM: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1897: 1

3 June 1897

Gabon: Como River: Bates, George Latimer: BMNH: 1, ROM: 1 [2 - **2** - **2**].

Total Specimens for 3 June 1897: 2

6 July 1897

Gabon: Como River: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1897: 1

1 August 1897

Congo (Democratic Republic of the): Congo river, 75 mi up: ?: Collector Unknown: USNM: 3 [3]; Bates, George Latimer: USNM: 1 [1 - **4** - **4**].

Total Specimens for 1 August 1897: 4

14 November 1897

Somalia: Hargeisa: Hawker, R. McDonald: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1897: 1

10 December 1897

Uganda: Mengo: Jackson, F.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1897: 1

11 December 1897

Equatorial Guinea: Benito River: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1897: 1

22 January 1898

Equatorial Guinea: Benito River: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1898: 1

12 March 1898

Tunisia: Tebourba: Lühe: ZMB: 2 [2 - **2** - **2**].

Total Specimens for 12 March 1898: 2

25 March 1898

South Africa: Lydenburg Krantz: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1898: 1

4 April 1898

South Africa: Steinkopf: Schlechter, Max: SAMC: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1898: 1

29 April 1898

Madagascar: Mahabo: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1898: 1

4 May 1898

Madagascar: Ankiliabo: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1898: 1

19 May 1898

Madagascar: Grotte de Sarondrana [= Sarodrano]: Grandidier, Guillaume: MNHN: 9, MSNG: 2 [11 - **11**] - Sarodrano caves: Grandidier, Guillaume: MNHN: 3 [3 - **3** - **14**].

Total Specimens for 19 May 1898: 14

20 August 1898

Ghana: Gambaga: Giffard, W.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1898: 1

1 January 1899

Togo: Lomé: : SMF: 1, SMNS: 3 [4 - **4** - **4**].

Total Specimens for 1 January 1899: 4

9 January 1899

Ghana: Gambaga: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1899: 1

27 January 1899

Ghana: Fra Fra Country: Giffard, W.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1899: 1

1 February 1899

Equatorial Guinea: 15 mi: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].
Guinea-Bissau: Unknown locality: Fea, Leonardo: USNM: 2 [2 - **2**] - Bissau: Fea, Leonardo: AMNH: 1 [1 - **1** - **3**].

Total Specimens for 1 February 1899: 4

8 February 1899

Tanzania: Dar es Salaam: Rautenberg: ZMH: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1899: 1

11 March 1899

Madagascar: Tamatave: Flemming, G.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1899: 1

20 June 1899

Ghana: Kete Krachi: Zech, Johann Nepomuk: ZMB: 5 [5 - **5** - **5**].

Total Specimens for 20 June 1899: 5

11 July 1899

Namibia: Waterberg district: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1899: 1

4 September 1899

Equatorial Guinea: Benito River, 30 mi from mouth: Bates, George Latimer: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1899: 1

7 September 1899

Equatorial Guinea: Benito River: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 September 1899: 1

1 November 1899

Namibia: Olifants Vlei: Anderson, 1: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1899: 1

31 December 1899

Liberia: Roberts Port: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1899: 1

1 January 1900

Burundi: Busiga: Niort, P.L.: MHNG: 1 [1 - **1**] - Muyebe: Niort, P.L.: MHNG: 1 [1 - **1** - **2**].
Madagascar: Meratanana: Decorse, J.: FMNH: 1 [1 - **1** - **1**].
South Africa: Grahamstown: ?: Collector Unknown: USNM: 5 [5 - **5**] - Kaap provincie [=Cape province]: ?: Collector Unknown: USNM: 1 [1 - **1** - **6**].

Total Specimens for 1 January 1900: 9

13 January 1900

Congo (Democratic Republic of the): Congo da Lemba: Van Bellighen, Paul: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 13 January 1900: 2

21 February 1900

"Africa": between Lakes Zwai and Margherita,Walamo: Harrison, J.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1900: 1

25 March 1900

South Africa: Lydenburg: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1900: 1

10 May 1900

Sudan: Jebel Aulia: Anderson; Witherby, H.F.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1900: 1

12 May 1900

Sudan: Wad Marium: Anderson; Witherby, H.F.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1900: 1

4 June 1900

Guinea-Bissau: Gunnal: Ansorge, William John: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1900: 1

5 June 1900

Mozambique: Beira: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1900: 1

29 June 1900

South Africa: Middletown: ?: Collector Unknown: USNM: 3 [3 - **3** - **3**].

Total Specimens for 29 June 1900: 3

19 October 1900

Kenya: Lake Naivasha: Johnston, Harry H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1900: 1

20 October 1900

Kenya: Takaungu: Percival, Arthur Blayney: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1900: 1

26 November 1900

Kenya: Kitui: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1900: 1

7 December 1900

Zimbabwe: Mazoe: Darling, J.ff.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1900: 1

20 December 1900

Ghana: Bimbila: Mischlich: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1900: 1

1 January 1901

Madagascar: Cape Saint Vincent: Grandidier Collection, The: MCZ: 1 [1 - **1**] - Cape Saint Vincent, near: Grandidier Collection, The: MCZ: 1 [1 - **1**] - West Coast: Grandidier Collection, The: MCZ: 2 [2 - **2** - **4**].

Total Specimens for 1 January 1901: 4

3 January 1901

Kenya: Kitui: Hinde, Hildegarde: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1901: 1

7 January 1901

Kenya: Kitui: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1901: 1

1 February 1901

Ethiopia: Djala: Neumann: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1901: 1

14 February 1901

Kenya: Kitui: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1901: 1

15 February 1901

Kenya: Rabai: Percival, Arthur Blayney: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1901: 1

10 March 1901

Sudan: Shendi: Rothschild, Nathanial Charles; Wollaster, A.F.R.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 March 1901: 2

19 March 1901

South Sudan: Renk: Hawker, R. McDonald: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 19 March 1901: 3

1 April 1901

Ethiopia: Djiren [=Jiren]: Neumann: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1901: 1

13 May 1901

South Sudan: Renk: Hawker, R. McDonald: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1901: 1

30 May 1901

Libya: Murzuk: Whitaker, Joseph Isaac Spadafora: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1901: 1

11 July 1901

Kenya: Machakos district: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1901: 1

24 July 1901

Cameroon: Efulén: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1901: 1

14 August 1901

Cameroon: Efulén: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1901: 1

1 December 1901

Eritrea: Adi Ugri: Andreini: MZUF: 10 [10 - **10** - **10**].

Total Specimens for 1 December 1901: 10

1 January 1902

Eritrea: Saati: Ragazzi, Vincenzo: USNM: 4 [4 - **4** - **4**].

Total Specimens for 1 January 1902: 4

10 January 1902

Ethiopia: Harar: Degen, E.: BMNH: 1 [1 - **1**] - Harrar [=Harar]: Degen, E.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 10 January 1902: 2

25 January 1902

Kenya: Fort Hall: Hinde, Hildegarde: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1902: 1

26 January 1902

Kenya: Fort Hall: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1902: 1

6 February 1902

Kenya: Fort Hall [=Muranga]: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1902: 1

16 June 1902

Algeria: Biskra: Martens, G.H.: ZMH: 11 [11 - **11** - **11**].

Total Specimens for 16 June 1902: 11

24 June 1902

South Africa: Port St Johns: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1902: 1

25 June 1902

South Africa: Port St Johns: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1902: 1

22 August 1902

South Africa: Port St. Johns: Shortridge, Guy Chester: SAMC: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1902: 1

17 October 1902

Kenya: Fort Hall: Hinde, Hildegarde: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1902: 1

20 November 1902

Kenya: Muranga: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1902: 1

12 December 1902

South Africa: Gat Koppies: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1902: 1

1 January 1903

Kenya: Fort Hall: Hinde, Hildegarde: BMNH: 1 [1 - **1** - **1**].
South Africa: Shilouwan: Junod: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1903: 2

24 February 1903

Tunisia: Tunis: Biró, L.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1903: 1

27 February 1903

Egypt: Abu Roash: Flower, Stanley Smyth: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 February 1903: 2

1 March 1903

Tanzania: Kibosho: Kittenberger, K.: HNHM: 3 [3 - **3** - **3**].

Total Specimens for 1 March 1903: 3

7 March 1903

Morocco: Hercules caves: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1903: 1

8 March 1903

Azores (Portugal): Ribeira Grande, road to: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1903: 1

12 March 1903

Tanzania: Fufuni: Voeltzkow, Alfred: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1903: 1

13 March 1903

Tanzania: Fufuni: Voeltzkow, Alfred: ZMB: 4 [4 - **4** - **4**].

Total Specimens for 13 March 1903: 4

18 March 1903

Azores (Portugal): Lake Furnas: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1903: 1

31 March 1903

Egypt: Abu Roash: Flower, Stanley Smyth: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 31 March 1903: 4

14 April 1903

South Africa: Klein Namaqualand, Klipfontein: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1903: 1

17 April 1903

South Africa: Klein Namaqualand, Klipfontein: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 April 1903: 1

18 April 1903

Kenya: Muranga: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1903: 1

23 April 1903

Kenya: Nairobi: Thomas, Felix: NMW: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1903: 1

29 May 1903

Cameroon: Efulén: Bates, George Latimer: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 May 1903: 1

12 June 1903

Kenya: Muranga: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 June 1903: 1

18 June 1903

Angola: Pungo Andongo [Quibula, Cahata]: Ansorge, William John: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1903: 1

20 June 1903

Kenya: Muranga: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1903: 1

3 August 1903

Egypt: Eastern desert of Egypt: MacKilligan, Arthur M.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1903: 1

10 August 1903

South Africa: Hanover: Shortridge, Guy Chester: SAMC: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1903: 1

12 August 1903

Sudan: Wadi Alagi: MacKilligan, Arthur M.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1903: 1

14 August 1903

Sudan: Wadi Alagi: MacKilligan, Arthur M.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1903: 1

2 September 1903

Portugal: São Miguel Island: Parks: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1903: 1

9 September 1903

Cameroon: Efulén: Bates, George Latimer: USNM: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1903: 1

10 October 1903

Comoros: Anjouan Island: Voeltzkow, Alfred: ZMB: 1 [1 - **1**] - Cercle de Bambao: Voeltzkow, Alfred: ZMB: 1 [1 - **1** - **2**].

Total Specimens for 10 October 1903: 2

11 October 1903

Comoros: Anjouan Island: Voeltzkow, Alfred: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 11 October 1903: 2

21 October 1903

Tanzania: Lake Jipe: Kittenberger, K.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1903: 1

17 November 1903

South Africa: Jususie valley [=Insuzi valley]: Grant, Claude Henry Baxter; Rudd Expedition, The: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1903: 1

21 December 1903

Comoros: Boboni, cave near: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 December 1903: 1

1 January 1904

Morocco: Hercules caves: Buchet: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1904: 2

2 January 1904

Equatorial Guinea: Fish Town: Seimund, E.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1904: 1

7 January 1904

Tanzania: Arusha: Kittenberger, K.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1904: 1

24 January 1904

South Africa: Kuruman: Dent, R.E.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1904: 1

15 February 1904

South Africa: Eshowe: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1904: 1

20 February 1904

Equatorial Guinea: Bilelepe: Scimund, E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1904: 1

21 February 1904

Cameroon: Kribi: Mann: ZMH: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1904: 1

5 March 1904

Sudan: Kerma: Rothschild, Nathanial Charles: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1904: 1

7 March 1904

South Africa: Kuruman: Dent, R.E.; Woosnam, R.B.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1904: 1

15 March 1904

Sudan: Merowe: Rothschild, Nathanial Charles: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 15 March 1904: 2

20 March 1904

Tanzania: Arusha: Kittenberger, K.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1904: 1

26 March 1904

Greece: Mount Gova: Bate, Dorothy M.A.: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1904: 1

19 April 1904

South Africa: Kuruman: Woosnam, R.B.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1904: 1

16 May 1904

Zimbabwe: Kapovka, mount: Neave, S.A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1904: 1

17 June 1904

Ghana: Ho: Schröder, F.: ZMB: 2 [2 - **2** - **2**].

Total Specimens for 17 June 1904: 2

3 October 1904

South Africa: Estcourt: Turner, C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1904: 1

26 October 1904

South Africa: Ngoye hills: Grant, Claude Henry Baxter: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1904: 1

1 January 1905

Cameroon: Murkoryé: Rhode: MHNG: 1 [1 - **1** - **1**].
South Africa: Brakkloof: White, G.: MCZ: 1 [1 - **1**] - Grahamstown: ?: Collector Unknown: MCZ: 1 [1]; White, G.: MCZ: 1 [1 - **2** - **3**].
Tanzania: Marienhof: Ranniger: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1905: 5

11 February 1905

South Sudan: Khor Attar: Sassi, Moritz: NMW: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1905: 1

7 March 1905

South Africa: Knysna: Daneel, W.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1905: 1

11 March 1905

Tanzania: Usambara mountains: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 11 March 1905: 2

12 March 1905

South Africa: Estcourt: Turner, C.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 12 March 1905: 2

17 March 1905

Guinea: Kouroussa: Pobéguin, Charles-Henri: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 17 March 1905: 2

24 March 1905

Benin: Ajougon: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1905: 1

25 March 1905

The Gambia: Unknown locality: Wolbach, Simeon Burt: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1905: 1

27 March 1905

South Sudan: Mongalla: Sassi, Moritz: NMW: 3 [3 - **3** - **3**].

Total Specimens for 27 March 1905: 3

3 April 1905

South Africa: Knysna: ?: Collector Unknown: BMNH: 1, TM: 1 [2]; Grant, Claude Henry Baxter: TM: 2 [2 - **4** - **4**].

Total Specimens for 3 April 1905: 4

7 April 1905

Madagascar: Ankarana caves: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1905: 1

10 April 1905

Congo (Democratic Republic of the): Kivu: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 10 April 1905: 4

12 April 1905

Madagascar: Sianaka forest: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1905: 1

16 April 1905

Congo (Democratic Republic of the): Kadjudju: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1905: 1

11 May 1905

Guinea: Sérédou: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1905: 1

15 May 1905

Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Gabon: Makokou, near: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Madagascar: Maroantsetra NW of: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Maroantsetra, 40 km NW: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].

Total Specimens for 15 May 1905: 8

16 May 1905

Ethiopia: Addis Abeba: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Gabon: Bélinga: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 16 May 1905: 3

17 May 1905

Central African Republic: Bangui: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ethiopia: Manera forest: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1905: 2

18 May 1905

Guinea: Sérédou: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1905: 1

19 May 1905

Liberia: Mount Nimba: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 19 May 1905: 4

27 May 1905

Cameroon: Yaoundé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1905: 1

31 May 1905

Réunion: St Benoit, near: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1905: 1

1 June 1905

Tanzania: Mkulumsi: Sjöstedt, Bror Yngve: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1905: 1

8 June 1905

Zimbabwe: Kudzwe River, near: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1905: 1

9 June 1905

Zimbabwe: Angwa River: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 9 June 1905: 1

10 June 1905

Zimbabwe: Angwa River: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].

Total Specimens for 10 June 1905: 7

15 June 1905

Cameroon: Efulén: Bates, George Latimer: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1905: 1

16 June 1905

Uganda: Entebbe: Degen, E.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1905: 2

18 June 1905

Malawi: Lilongwe, 50 km E on Salima road: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Zambezi River, left bank: ?: Collector Unknown: MNHN: 1 [1 - **1** - **3**].

Total Specimens for 18 June 1905: 3

22 June 1905

Congo: Dimonika: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1905: 1

2 July 1905

Congo (Democratic Republic of the): Thysville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 July 1905: 2

3 July 1905

Madagascar: Sarondrano: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1905: 1

22 July 1905

South Africa: Klein Letaba: Grant, Claude Henry Baxter: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1905: 1

3 August 1905

South Africa: Klein Letaba: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 August 1905: 2

6 August 1905

Angola: Catumbella [= Benguella]: Ausoy?, K.J: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1905: 1

18 August 1905

South Africa: Klein Letaba: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1905: 1

25 August 1905

Nigeria: Aguleri: Kemp, Robin: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1905: 1

10 September 1905

Angola: Huxe: Ansorge, William John: USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1905: 1

24 September 1905

South Africa: Klein Letaba: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1905: 1

1 October 1905

Namibia: Karibib: Kuhn: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1905: 1

1 November 1905

Tanzania: Kibonato: Sjöstedt, Bror Yngve: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1905: 1

12 November 1905

Morocco: Essaouira [= Mogador]: de la Escalera, D. Manuel M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1905: 1

22 November 1905

Kenya: Athi river: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1905: 1

24 November 1905

Kenya: Athi river: Heller, Edmund: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 24 November 1905: 3

8 December 1905

Kenya: Lukenya, mount: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1905: 1

14 December 1905

Kenya: Lukenya, mount: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1905: 1

26 December 1905

Kenya: Lukenya, mount: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1905: 1

27 December 1905

Kenya: Lukenya, mount: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1905: 1

1 January 1906

Mayotte: Mayotte: Nicoll, Michael John: SMF: 1 [1 - **1** - **1**].
South Africa: Ookiep: ?: Collector Unknown: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1906: 2

12 January 1906

Kenya: Kijabe: Heller, Edmund: AMNH: 1, FMNH: 12 [13 - **13** - **13**].

Total Specimens for 12 January 1906: 13

20 January 1906

Uganda: Ruwenzori East: Rosenberg: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1906: 1

21 January 1906

Uganda: Ruwenzori East: Rosenberg: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1906: 1

22 January 1906

Uganda: Ruwenzori East: Rosenberg: RMCA: 1 [1]; Woosnam, R.B.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 22 January 1906: 2

23 January 1906

Cameroon: Dja river: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1906: 1

26 January 1906

South Africa: Hartbees Fontein Camp: Pienaar, Uys de Villiers; P.L.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1906: 1

19 February 1906

Congo (Democratic Republic of the): Lobi: : BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1906: 1

13 March 1906

Uganda: Mount Ruwenzori: Daut, M.: USNM: 1 [1 - **1**] - Ruwenzori East: Dent, R.E.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 13 March 1906: 2

15 March 1906

Egypt: Cairo, near: Innes, Walter F.: MSNG: 1 [1 - **1** - **1**].

South Africa: Kenilworth: Sclater, William Lutley: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1906: 2

1 April 1906

Kenya: Sagalla: Akeley, Carl Ethan: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 1 April 1906: 11

15 April 1906

Kenya: Sagalla: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1906: 1

18 April 1906

Congo (Democratic Republic of the): Likandi river: Alexander-Gosling Expedition, The: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 April 1906: 2

21 April 1906

South Africa: Potchefstroom: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1906: 1

22 April 1906

Congo (Democratic Republic of the): Angu, near: : BMNH: 1 [1 - **1** - **1**].
Kenya: Sagalla: Akeley, Carl Ethan: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1906: 2

1 May 1906

Egypt: Gizeh: Bey, W.J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1906: 1

5 May 1906

Egypt: Saqqara: Innes, Walter F.: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1906: 1

11 May 1906

Angola: Bungo: Ansorge, William John: BMNH: 3 [3 - **3** - **3**].
Mozambique: Sabi river: Hamilton, J.S.: BMNH: 1 [1 - **1** - **1**].
Uganda: Ruwenzori SE: Woosnam, R.B.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1906: 5

18 May 1906

Tunisia: Djebel Gloub: Gadeau de Kerville, Henri: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 18 May 1906: 2

21 May 1906

Mozambique: Sabi river: Hamilton, J.S.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1906: 1

24 May 1906

Cameroon: Bitye: Bates, George Latimer; Rosenberg, G.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1906: 1

30 May 1906

South Africa: Matupa Koppie: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1906: 1

17 June 1906

Uganda: Ruwenzori SE: Dent, R.E.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1906: 1

1 July 1906

Ethiopia: Harar: Szántó, E.: NMW: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1906: 1

15 July 1906

Egypt: Cairo, near: Innes, Walter F.: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1906: 1

20 July 1906

Seychelles: Aldabra: Thibault, Gustave: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1906: 1

23 July 1906

"Africa": Unknown locality: ?: Collector Unknown: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1906: 1

26 July 1906

Mozambique: Coguno: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1906: 1

28 July 1906

Mozambique: Coguno: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1906: 1

1 August 1906

Eritrea: Assab: Felter, Pietro: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1906: 1

8 August 1906

Congo (Democratic Republic of the): Beni: Dent, R.E.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 August 1906: 2

9 August 1906

Mozambique: Inhambane: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1906: 1

11 August 1906

Mozambique: Inhambane: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1906: 1

26 August 1906

Congo (Democratic Republic of the): Jaima: Alexander-Gosling Expedition, The: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1906: 1

8 September 1906

Mozambique: Coguno: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1906: 1

21 September 1906

South Africa: Farm Wonderfontein 103IQ: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2**] - Potchefstroom: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2** - **4**].

Total Specimens for 21 September 1906: 4

23 September 1906

South Africa: Farm Wonderfontein 103IQ: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2** - **2**].

Total Specimens for 23 September 1906: 2

26 September 1906

South Africa: Potchefstroom: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1906: 1

27 September 1906

South Africa: Chilanga cave: Jameson, Henry Paul William Lyster: USNM: 1 [1 - **1**] - Farm Wonderfontein, River cave: Jameson, Henry Paul William Lyster: TM: 7 [7 - **7** - **8**].

Total Specimens for 27 September 1906: 8

28 September 1906

South Africa: Potchefstroom: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1906: 1

30 September 1906

South Africa: Wonderboom cave: Jameson, Henry Paul William Lyster: USNM: 2 [2 - **2** - **2**].

Total Specimens for 30 September 1906: 2

12 October 1906

South Africa: Krugersdorp: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1906: 1

13 October 1906

South Africa: OFD workings: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1906: 1

14 October 1906

Gabon: N'gomo-Ogooué: Haug: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1906: 1

19 October 1906

South Africa: Johannesburg: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1906: 1

23 October 1906

Congo (Democratic Republic of the): Albert, lake: Carruthers, Alexander Douglas Mitchell: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 October 1906: 2

24 October 1906

South Africa: Johannesburg: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1906: 1

25 October 1906

Madagascar: Bétafo: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1906: 1

1 November 1906

Cameroon: Bitye: ?: Collector Unknown: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1906: 1

1 January 1907

Cameroon: Victoria: : SMF: 1 [1]; Valley, O.: SMF: 3 [3 - **4** - **4**].
Uganda: Entebbe: : SMF: 2 [2]; Bayon, E.: RMCA: 2 [2]; Berti, Carolina: RMCA: 4 [4 - **8** - **8**].

Total Specimens for 1 January 1907: 12

2 January 1907

"Africa": Tropical Africa: Institut für Tropenkrankheiten, Das: ZMH: 2 [2 - **2** - **2**].

Total Specimens for 2 January 1907: 2

6 February 1907

Congo (Democratic Republic of the): Kambove: Neave, S.A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1907: 1

28 February 1907

Seychelles: Cascade Estate: Thomasset, H.P.: RMNH: 1 [1 - **1** - **1**].
Uganda: Entebbe: Schluter: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1907: 2

9 March 1907

South Africa: Fountein Grove: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1907: 1

10 March 1907

South Africa: Fountains: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2**] - Fountains Grove: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **3**].

Total Specimens for 10 March 1907: 3

14 March 1907

South Africa: Fountains: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1907: 1

29 March 1907

Sudan: Dad Majok: Butler, A.L.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 March 1907: 2

5 April 1907

Zimbabwe: Bulawayo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1907: 1

7 April 1907

South Africa: Louw's Creek: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1907: 1

22 April 1907

South Africa: Farm Wonderfontein: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1907: 1

26 April 1907

South Africa: Chilanga cave: Jameson, Henry Paul William Lyster: USNM: 2 [2 - **2**] - Farm Wonderfontein: Jameson, Henry Paul William Lyster: TM: 2 [2]; Jawsens: TM: 1 [1 - **3**] - Farm Wonderfontein 103IQ: ?: Collector Unknown: TM: 1 [1]; Jameson, Henry Paul William Lyster: TM: 3 [3 - **4**] - Farm Wonderfontein, River cave: Jameson, Henry Paul William Lyster: TM: 5 [5 - **5** - **14**].

Total Specimens for 26 April 1907: 14

1 May 1907

South Africa: Pretoria: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1907: 2

8 May 1907

Mozambique: Tambarara: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 6 [6 - **6** - **6**].

Total Specimens for 8 May 1907: 6

5 June 1907

South Africa: Langlaagte: Wilson, H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1907: 1

19 June 1907

Eritrea: Saganeiti: Capomazza, I.: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1907: 1

17 July 1907

South Africa: Tzaneen: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1907: 1

12 August 1907

South Africa: Potchefstroom: ?: Collector Unknown: TM: 2 [2]; Jameson, Henry Paul William Lyster: TM: 9 [9 - **11** - **11**].

Total Specimens for 12 August 1907: 11

20 August 1907

South Africa: Potchefstroom: Jameson, Henry Paul William Lyster: TM: 2, USNM: 1 [3 - **3** - **3**].

Total Specimens for 20 August 1907: 3

22 August 1907

South Africa: Potchefstroom: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2** - **2**].

Total Specimens for 22 August 1907: 2

24 August 1907

Somalia: Upper Sheikh: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1907: 1

2 September 1907

Mozambique: Tete: Grant, Claude Henry Baxter; Rudd Expedition, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1907: 1

10 September 1907

Mozambique: Muchena: ?: Collector Unknown: TM: 1 [1 - **1**] - Tette: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 3 [3 - **3** - **4**].

Total Specimens for 10 September 1907: 4

22 October 1907

South Africa: Tzaneen Estates: Jameson: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1907: 1

23 October 1907

South Africa: Tzaneen Estate: ?: Collector Unknown: TM: 1 [1]; Tzaneen Estate, The: TM: 1 [1 - **2** - **2**].

Total Specimens for 23 October 1907: 2

25 October 1907

South Africa: Florida: Jameson, Henry Paul William Lyster: TM: 3 [3 - **3** - **3**].

Total Specimens for 25 October 1907: 3

9 November 1907

South Africa: Farm Makapansgat 39, Makapan cave: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2** - **2**].

Total Specimens for 9 November 1907: 2

12 December 1907

South Africa: Chilanga cave: Jameson, Henry Paul William Lyster: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1907: 1

14 December 1907

South Africa: Chilanga cave: Jameson, Henry Paul William Lyster: USNM: 1 [1 - **1**] - Gatkoppies: Jameson, Henry Paul William Lyster: TM: 6 [6 - **6** - **7**].

Total Specimens for 14 December 1907: 7

1 January 1908

"Africa": Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
South Africa: Malvern: Jameson, Henry Paul William Lyster: USNM: 2 [2 - **2** - **2**].
Sudan: Port Sudan: Nicolosi, G.: MSNG: 1 [1 - **1** - **1**].
Uganda: Bugala island: Bayon, E.: SMF: 1 [1 - **1**] - Victoria Nyanza [=Lake Victoria]: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1908: 7

2 January 1908

South Africa: Tzaneen Governamental Estate: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1908: 1

5 January 1908

South Africa: Malvern: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1908: 1

10 January 1908

South Africa: Malvern: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1908: 1

11 January 1908

South Africa: Malvern: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1908: 1

12 January 1908

South Africa: Malvern: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1908: 1

22 February 1908

South Africa: Ngqeleni District: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1908: 1

23 February 1908

South Africa: Ngqeleni District: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1908: 1

25 February 1908

Uganda: Entebbe: Berti, Carolina: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1908: 1

2 March 1908

Zambia: Loangwa valley: Neave, S.A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1908: 1

27 March 1908

South Africa: Farm Hectorspruit: Streeter, J.: TM: 1 [1 - **1**] - Ngqeleni: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 27 March 1908: 2

28 March 1908

Namibia: Oas: Pöch, Rudolf: NMW: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1908: 1

30 March 1908

South Africa: Sabie: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1908: 1

1 April 1908

Egypt: Dihmit: Wood Jones, Frederic: SAMA: 26 [26 - **26** - **26**].

Total Specimens for 1 April 1908: 26

14 April 1908

South Africa: Grahamstown: ?: Collector Unknown: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1908: 1

20 April 1908

South Africa: Port St. Johns: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1908: 1

26 April 1908

Mozambique: Beira: ?: Collector Unknown: TM: 2 [2 - **2**] - Zimbiti: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

Total Specimens for 26 April 1908: 3

1 May 1908

Tanzania: Unknown locality: ?: Collector Unknown: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1908: 2

2 May 1908

Mozambique: Beira: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1908: 1

14 May 1908

Mozambique: Beira: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1908: 1

1 July 1908

Uganda: Bugala Island: Bayon, E.: AMNH: 1 [1 - **1**] - Nyanga: Bayon, E.: RMCA: 4 [4 - **4** - **5**].

Total Specimens for 1 July 1908: 5

6 July 1908

Eritrea: Assab: Kittenberger, K.: HNHM: 3 [3 - **3**] - Gibdo: Kittenberger, K.: HNHM: 1 [1 - **1** - **4**].

Total Specimens for 6 July 1908: 4

8 July 1908

Angola: Cassoalalla: Ansorge, William John: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1908: 1

14 July 1908

Cameroon: Unknown locality: Bates, George Latimer: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1908: 1

27 July 1908

Nigeria: Yola: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1908: 1

23 August 1908

Mozambique: Tete: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 2 [2 - **2** - **2**].
South Africa: Ngqeleni: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1908: 3

24 August 1908

Mozambique: Coguno: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1908: 1

29 August 1908

Mozambique: Coguno: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - Tete: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 29 August 1908: 2

10 September 1908

Uganda: Entebbe: Bayon, E.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1908: 1

13 September 1908

Mozambique: Tete: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].
Seychelles: Aldabra Atoll: Fryer, J.C.F.: BMNH: 2, CUMZ: 2 [4 - **4** - **4**].

Total Specimens for 13 September 1908: 5

14 September 1908

Mozambique: Tete: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1908: 1

16 October 1908

Egypt: Gizeh: Nicoll, Michael John: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 16 October 1908: 4

27 October 1908

Mozambique: Norture Boror: Vaughan-Kirby, Frederick; Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1908: 1

1 November 1908

Tanzania: Kisikka: Carl, J.: MHNG: 8 [8 - **8** - **8**].

Total Specimens for 1 November 1908: 8

5 November 1908

Mozambique: Unknown locality: ?: Collector Unknown: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1908: 1

17 November 1908

Egypt: Giza, near: Nicoll, Michael John: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1908: 1

5 December 1908

South Africa: Malvern: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1908: 1

1 January 1909

Egypt: Lisht: Hrdlicka, Aleš: USNM: 1 [1 - **1** - **1**].
Kenya: Elgon Caves: Akeley, Carl Ethan: AMNH: 1 [1 - **1** - **1**].
South Sudan: Gondokoro: Loring, John Alden: MCZ: 2 [2 - **2** - **2**].
Uganda: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Bussu: Bayon, E.: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 1 January 1909: 7

7 January 1909

"Africa": Chad, lake: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1909: 1

10 January 1909

Ethiopia: Haza Boran: Brockman, D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1909: 1

1 February 1909

South Africa: Knysna: Rex, J.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1909: 1

11 February 1909

South Africa: Knysna: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 11 February 1909: 2

18 February 1909

South Africa: Knysna: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1909: 1

24 February 1909

South Africa: Venterskroon: Roberts, Austin: TM: 2 [2 - **2** - **2**].

Total Specimens for 24 February 1909: 2

3 March 1909

Egypt: Abu Rawash: Bonhote, John James Lewis; Flower, Stanley Smyth: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1909: 1

5 March 1909

South Africa: Port St Johns: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1909: 1

6 March 1909

Namibia: Keetmannshoop: Burmester: ZMH: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1909: 1

13 March 1909

Egypt: Lake Moeris: Bonhote, John James Lewis; Flower, Stanley Smyth: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1909: 1

14 March 1909

South Africa: Pretoria: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1909: 1

21 March 1909

South Africa: Port St Johns: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 March 1909: 1

31 March 1909

Kenya: Nairobi: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1909: 1

5 April 1909

Tanzania: Tanzania: Horn, A.: NMW: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1909: 1

26 April 1909

South Africa: Modderfontein: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1909: 1

1 May 1909

"Africa": Africa: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1909: 1

2 May 1909

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1909: 1

18 May 1909

Kenya: Jula Farm: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1909: 1

23 May 1909

Kenya: Katalembo: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1909: 1

24 May 1909

Kenya: Jula Farm: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1909: 1

31 May 1909

Kenya: Nairobi: Heller, Edmund: USNM: 2 [2]; Loring, John Alden: USNM: 1 [1 - **3** - **3**].

Total Specimens for 31 May 1909: 3

1 June 1909

Kenya: Nairobi: Mearns, Edgar Alexander: USNM: 4 [4 - **4** - **4**].

Total Specimens for 1 June 1909: 4

2 June 1909

Kenya: Nairobi: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1909: 1

5 June 1909

Kenya: East Kyabe: Loring, John Alden: USNM: 1 [1 - **1**] - Kijabe Station: Loring, John Alden: FMNH: 2 [2 - **2**] - Kyabe Station: Loring, John Alden: USNM: 7 [7 - **7**] - Nairobi: Loring, John Alden: USNM: 10 [10 - **10** - **20**].

Total Specimens for 5 June 1909: 20

11 June 1909

Tanzania: Kulumusi caves: Alluaud, Ch.: FMNH: 2 [2 - **2**] - Kulumuzi caves: ?: Collector Unknown: MNHN: 4 [4]; Alluaud, Ch.: MNHN: 2 [2 - **6** - **8**].

Total Specimens for 11 June 1909: 8

12 June 1909

Kenya: South Nguasso Nyiro river: Loring, John Alden: USNM: 3 [3 - **3** - **3**].

Total Specimens for 12 June 1909: 3

13 June 1909

Kenya: South Nguasso Nyiro river: Loring, John Alden: USNM: 4 [4 - **4** - **4**].

Total Specimens for 13 June 1909: 4

14 June 1909

Kenya: South Nguasso Nyiro river: Loring, John Alden: USNM: 4 [4 - **4** - **4**].

Total Specimens for 14 June 1909: 4

15 June 1909

Kenya: South Nguasso Nyiro river: Loring, John Alden: USNM: 2 [2]; Mearns, Edgar Alexander: USNM: 1 [1 - **3** - **3**].

Total Specimens for 15 June 1909: 3

16 June 1909

Kenya: South Nguasso Nyiro river: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1909: 1

18 June 1909

Kenya: Ewaso Ngi'ro: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1909: 1

19 June 1909

Kenya: Lake Naivasha, E shore: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - South Nguasso Nyiro river: Mearns, Edgar Alexander: USNM: 3 [3 - **3** - **4**].

Total Specimens for 19 June 1909: 4

20 June 1909

Kenya: Guaso Nyiro: Heller, Edmund: USNM: 21 [21 - **21**] - Sotik: Heller, Edmund: USNM: 2 [2 - **2** - **23**].

Total Specimens for 20 June 1909: 23

21 June 1909

Kenya: South Nguasso Nyiro river: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1909: 1

23 June 1909

Kenya: South Nguasso Nyiro river: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1909: 1

1 July 1909

Kenya: South Nguasso Nyiro river: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].
Seychelles: Unknown locality: Pickwood, R.H.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1909: 2

2 July 1909

Congo (Democratic Republic of the): Kinshasa: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
Kenya: Engare Narok river: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1909: 2

3 July 1909

Kenya: Sotik: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1909: 1

8 July 1909

Congo (Democratic Republic of the): Léopoldville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1909: 1

10 July 1909

Congo (Democratic Republic of the): Léopoldville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1909: 1

12 July 1909

Kenya: Guaso Nyiro: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1909: 1

13 July 1909

Kenya: Lake Naivasha: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1909: 1

16 July 1909

Kenya: Guaso Nyiro, plains: Allen, Glover Morrill: MCZ: 4 [4 - **4** - **4**].

Total Specimens for 16 July 1909: 4

17 July 1909

Kenya: Guaso Nyiro, plains: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1909: 1

18 July 1909

Kenya: Lake Naivasha: Heller, Edmund: USNM: 8 [8]; Loring, John Alden: USNM: 6 [6]; Mearns, Edgar Alexander: USNM: 2 [2 - **16**] - Lake Naivasha, cave near: Loring, John Alden: USNM: 7 [7 - **7** - **23**].

Total Specimens for 18 July 1909: 23

19 July 1909

Kenya: Guaso Nyiro, plains: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - Lake Naivasha: Loring, John Alden: USNM: 1 [1 - **1**] - Lake Naivasha, E shore: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **3**].

Total Specimens for 19 July 1909: 3

20 July 1909

Kenya: Lake Naivasha: Heller, Edmund: USNM: 3 [3]; Loring, John Alden: USNM: 1 [1 - **4**] - South Nguasso Nyiro river: Loring, John Alden: USNM: 2 [2 - **2** - **6**].

Total Specimens for 20 July 1909: 6

21 July 1909

Kenya: Lake Naivasha, E shore: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1909: 1

23 July 1909

Kenya: Guaso Nyiro: Allen, Glover Morrill: MCZ: 4 [4 - **4** - **4**].

Total Specimens for 23 July 1909: 4

24 July 1909

Kenya: Lake Naivasha: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1909: 1

1 August 1909

Kenya: Guaso Nyiro: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - Meru: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **3**].

Total Specimens for 1 August 1909: 3

2 August 1909

Kenya: Guaso Nyiro, above junction with Meru river: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1909: 1

5 August 1909

Kenya: Naivasha: Loring, John Alden: USNM: 3 [3 - **3**] - Naivasha Station: Loring, John Alden: USNM: 1 [1 - **1** - **4**].

Total Specimens for 5 August 1909: 4

6 August 1909

Kenya: Meru River: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1909: 1

7 August 1909

Kenya: Meru river: Allen, Glover Morrill: AMNH: 1, MCZ: 4 [5 - **5**] - Mweru River: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - Naivasha Station: Loring, John Alden: USNM: 6 [6 - **6** - **13**].

Total Specimens for 7 August 1909: 13

8 August 1909

Congo (Democratic Republic of the): Stanleyville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 August 1909: 2

9 August 1909

Kenya: Naivasha Station: Loring, John Alden: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1909: 1

10 August 1909

Kenya: Naivasha: Loring, John Alden: USNM: 1 [1 - **1**] - Naivasha Station: Loring, John Alden: USNM: 3 [3 - **3** - **4**].

Total Specimens for 10 August 1909: 4

11 August 1909

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].
Kenya: Fort Hall [=Muranga]: Loring, John Alden: USNM: 1 [1 - **1**] - Meru River: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - Mweru River: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **3**].

Total Specimens for 11 August 1909: 4

17 August 1909

Kenya: Mweru River: Allen, Glover Morrill: MCZ: 5 [5 - **5** - **5**].

Tanzania: Meru River: Allen, Glover Morrill: MCZ: 5 [5 - **5** - **5**].

Total Specimens for 17 August 1909: 10

18 August 1909

Congo (Democratic Republic of the): Stanleyville: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **4** - **4**].

Total Specimens for 18 August 1909: 4

19 August 1909

Kenya: Lake Naivasha: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1909: 1

25 August 1909

Congo (Democratic Republic of the): Stanleyville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 25 August 1909: 5

27 August 1909

Kenya: Mount Kenya, W side: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1909: 1

31 August 1909

Kenya: Nairobi Station: Mearns, Edgar Alexander: USNM: 2 [2 - **2** - **2**].

Total Specimens for 31 August 1909: 2

3 September 1909

Kenya: Nairobi: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1909: 1

5 September 1909

Congo (Democratic Republic of the): Stanleyville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1909: 1

8 September 1909

Kenya: Thekla River: Clark, James ("Jamie") L.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1909: 1

9 September 1909

Congo (Democratic Republic of the): Risimu zone: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Stanleyville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 9 September 1909: 2

11 September 1909

Kenya: Fort Hall [=Muranga]: Loring, John Alden: USNM: 4 [4 - **4** - **4**].

Total Specimens for 11 September 1909: 4

12 September 1909

Kenya: Fort Hall [=Muranga]: Loring, John Alden: USNM: 2 [2 - **2** - **2**].

Total Specimens for 12 September 1909: 2

16 September 1909

Kenya: southern slopes Mt …: Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].
Uganda: Mount Elgon: Kemp, Robin: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1909: 2

26 September 1909

Kenya: Mombasa: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1909: 1

29 September 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1909: 1

1 October 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 1 October 1909: 2

10 October 1909

Somalia: Upper Sheikh: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1909: 1

13 October 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 October 1909: 2

9 November 1909

Kenya: Nairobi: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1909: 1

12 November 1909

Kenya: Guas Ngishu plateau: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1909: 1

15 November 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 15 November 1909: 2

16 November 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
Kenya: Athi Station: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1909: 2

17 November 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 17 November 1909: 2

18 November 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1909: 1

19 November 1909

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].
Kenya: Nairobi: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].
Somalia: Upper Sheikh: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1909: 3

20 November 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 37, RMCA: 3 [40 - **40** - **40**].

Total Specimens for 20 November 1909: 40

21 November 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1909: 1

22 November 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 22 November 1909: 2

24 November 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 24 November 1909: 2

27 November 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].
Kenya: Ulucania Hills: Loring, John Alden: USNM: 3 [3 - **3** - **3**].

Total Specimens for 27 November 1909: 5

28 November 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].
Kenya: Ulucania Hills: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1909: 3

29 November 1909

Kenya: Ulucania Hills: Loring, John Alden: USNM: 3 [3 - **3** - **3**].

Total Specimens for 29 November 1909: 3

30 November 1909

Kenya: Elgon Caves: Akeley, Carl Ethan: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 30 November 1909: 3

1 December 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 December 1909: 2

2 December 1909

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 2 December 1909: 3

5 December 1909

Somalia: Upper Sheikh: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1909: 1

7 December 1909

South Africa: Port St. Johns: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1909: 1

14 December 1909

Congo (Democratic Republic of the): M'Gayu: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - N'Gayu area: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **4**].

Total Specimens for 14 December 1909: 4

17 December 1909

Congo (Democratic Republic of the): M'Gayu: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - Ngayu: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - N'Gayu area: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **7**].

Total Specimens for 17 December 1909: 7

18 December 1909

Congo (Democratic Republic of the): N'Gayu area: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5** - **5**].
Somalia: Upper Sheikh: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1909: 6

21 December 1909

Uganda: Kampala: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 December 1909: 1

22 December 1909

South Africa: Farm Hectorspruit: Streeter, J.: TM: 1 [1 - **1** - **1**].
Uganda: Kampala: Loring, John Alden: USNM: 8 [8 - **8** - **8**].

Total Specimens for 22 December 1909: 9

28 December 1909

Congo (Democratic Republic of the): Bafwaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1909: 1

1 January 1910

Madagascar: Diégo-Suarez, near: Mazières: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1910: 1

2 January 1910

Kenya: Mumias: Kemp, Robin; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1910: 1

4 January 1910

Congo (Democratic Republic of the): Bafuaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - Bafwaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4 [4 - **4** - **7**].

Total Specimens for 4 January 1910: 7

5 January 1910

Congo (Democratic Republic of the): Bafuaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 10 [10 - **10**] - Bafwaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5, RMCA: 1 [6 - **6** - **16**].
South Africa: Port St Johns: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1910: 17

6 January 1910

Congo (Democratic Republic of the): Bafuaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - Bafwabaka: ?: Collector Unknown: MCZ: 1 [1 - **1**] - Bafwaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **4**].

Total Specimens for 6 January 1910: 4

7 January 1910

Congo (Democratic Republic of the): Bafuaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 6 [6 - **6**] - Bafwaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 9 [9 - **9** - **15**].

Total Specimens for 7 January 1910: 15

10 January 1910

Uganda: Rhino Camp: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1910: 1

11 January 1910

Somalia: Upper Sheikh: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1** - **1**].
Uganda: Rhino Camp: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1910: 2

12 January 1910

Uganda: Rhino Camp: Mearns, Edgar Alexander: USNM: 4 [4 - **4** - **4**].

Total Specimens for 12 January 1910: 4

13 January 1910

Uganda: Rhino Camp: Loring, John Alden: USNM: 4 [4 - **4** - **4**].

Total Specimens for 13 January 1910: 4

14 January 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Uganda: Rhino Camp: Mearns, Edgar Alexander: USNM: 2 [2 - **2** - **2**].

Total Specimens for 14 January 1910: 3

15 January 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
South Sudan: Ledgus: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1910: 2

16 January 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
Uganda: Rhino Camp: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1910: 2

18 January 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1910: 1

19 January 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 January 1910: 2

20 January 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].
Uganda: Rhino Camp: Mearns, Edgar Alexander: USNM: 8 [8 - **8** - **8**].

Total Specimens for 20 January 1910: 10

21 January 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].
Uganda: Rhino Camp: Mearns, Edgar Alexander: USNM: 3 [3 - **3** - **3**].

Total Specimens for 21 January 1910: 5

22 January 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 22 January 1910: 4

24 January 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 24 January 1910: 2

25 January 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
Uganda: Rhino Camp: Loring, John Alden: USNM: 23 [23]; Mearns, Edgar Alexander: USNM: 1 [1 - **24** - **24**].

Total Specimens for 25 January 1910: 25

27 January 1910

South Africa: Pretoria: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1910: 1

28 January 1910

South Africa: Hectorspruit: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1910: 1

30 January 1910

South Africa: Hectorspruit: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 30 January 1910: 3

1 February 1910

Congo (Democratic Republic of the): Uvira: Graub: NMW: 1 [1 - **1** - **1**].
South Africa: Hectorspruit: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1910: 2

2 February 1910

Uganda: Rhino Camp: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1910: 1

7 February 1910

South Africa: Hectorspruit: Streeter, F.: TM: 1 [1 - **1** - **1**].
South Sudan: Nimule: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1910: 2

9 February 1910

Egypt: Abu Simbel: Le-Roi, Otto: ZFMK: 1 [1 - **1** - **1**].
South Africa: Hectorspruit: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1910: 2

10 February 1910

South Sudan: Uma River: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1910: 1

11 February 1910

South Africa: Port St Johns: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1910: 1

12 February 1910

South Sudan: Mnyouri Jardin: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1910: 1

15 February 1910

South Sudan: Ledgus: Loring, John Alden: USNM: 2 [2 - **2** - **2**].
Sudan: Jebel Aulia: Koenig, Alexander Ferdinand: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 15 February 1910: 4

16 February 1910

South Sudan: Nimule: Heller, Edmund: USNM: 5 [5 - **5** - **5**].

Total Specimens for 16 February 1910: 5

17 February 1910

Mozambique: Maputo: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Somalia: Upper Sheikh: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1910: 2

18 February 1910

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 February 1910: 2

19 February 1910

South Sudan: Gondokoro: Loring, John Alden: USNM: 1 [1]; Mearns, Edgar Alexander: USNM: 1 [1 - **2** - **2**].

Total Specimens for 19 February 1910: 2

20 February 1910

South Sudan: Gondokoro: Loring, John Alden: USNM: 4 [4 - **4** - **4**].

Total Specimens for 20 February 1910: 4

21 February 1910

South Sudan: Gondokoro: Loring, John Alden: USNM: 6 [6 - **6** - **6**].

Total Specimens for 21 February 1910: 6

22 February 1910

South Sudan: Gondokoro: Loring, John Alden: USNM: 2 [2 - **2** - **2**].

Total Specimens for 22 February 1910: 2

23 February 1910

South Sudan: Gondokoro: Loring, John Alden: USNM: 1 [1 - **1**] - No, lake: Le-Roi, Otto: ZFMK: 1 [1 - **1** - **2**].

Total Specimens for 23 February 1910: 2

24 February 1910

South Sudan: Gondokoro: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1910: 1

25 February 1910

South Sudan: Gondokoro: Loring, John Alden: FMNH: 6, USNM: 92 [98 - **98** - **98**].

Total Specimens for 25 February 1910: 98

27 February 1910

Congo (Democratic Republic of the): Gamangui: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 February 1910: 1

28 February 1910

South Sudan: Gondokoro: Loring, John Alden: USNM: 15 [15 - **15**] - Mongalla: Heller, Edmund: USNM: 8 [8 - **8** - **23**].

Total Specimens for 28 February 1910: 23

1 March 1910

South Sudan: Bor: Heller, Edmund: USNM: 5 [5 - **5** - **5**].

Total Specimens for 1 March 1910: 5

2 March 1910

Congo (Democratic Republic of the): Bafwaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
South Sudan: Bor: Heller, Edmund: USNM: 4 [4 - **4**] - Shambe: Heller, Edmund: USNM: 2 [2 - **2** - **6**].

Total Specimens for 2 March 1910: 7

6 March 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1910: 1

7 March 1910

Senegal: Dialocote: Owen, G.F.: BMNH: 1 [1 - **1** - **1**].
South Africa: Hectorspruit: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1910: 2

8 March 1910

South Sudan: Lake No, below: Mearns, Edgar Alexander: USNM: 2 [2 - **2** - **2**].

Total Specimens for 8 March 1910: 2

9 March 1910

Senegal: Dialocote: Owen, G.F.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1910: 1

11 March 1910

Ethiopia: Lado: Le-Roi, Otto: ZFMK: 1 [1 - **1** - **1**].
South Sudan: Renk: Mearns, Edgar Alexander: USNM: 2 [2 - **2** - **2**].

Total Specimens for 11 March 1910: 3

16 March 1910

Congo (Democratic Republic of the): Medje: ?: Collector Unknown: MCZ: 2 [2]; Lang, Herbert: FMNH: 2 [2]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 21 [21 - **25** - **25**].

Total Specimens for 16 March 1910: 25

19 March 1910

South Africa: Hectorspruit: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 March 1910: 1

21 March 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].
Sudan: Khartoum: Loring, John Alden: USNM: 2 [2 - **2** - **2**].

Total Specimens for 21 March 1910: 4

22 March 1910

South Sudan: Hellet Nuer: Le-Roi, Otto: ZFMK: 1 [1 - **1** - **1**].

Sudan: Khartoum: Heller, Edmund: USNM: 7 [7 - **7** - **7**].

Total Specimens for 22 March 1910: 8

23 March 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1910: 1

24 March 1910

South Africa: Port St. Johns: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1910: 1

26 March 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 26 March 1910: 3

31 March 1910

South Sudan: Abu Doleb: Koenig, Alexander Ferdinand: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1910: 1

7 April 1910

Kenya: Taveta: Kemp, Robin: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1910: 1

12 April 1910

Kenya: Ndara hills: Kemp, Robin: BMNH: 2 [2]; Kemp, Robin; Rudd, C.D.: BMNH: 1 [1 - **3** - **3**].

Total Specimens for 12 April 1910: 3

16 April 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1910: 1

22 April 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, RMCA: 1 [2 - **2** - **2**].

Total Specimens for 22 April 1910: 2

27 April 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 27 April 1910: 5

2 May 1910

Congo (Democratic Republic of the): Bafwabaka: Lang, Herbert: FMNH: 1 [1 - **1**] - Bafwaboka: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4, RMCA: 1 [5 - **5** - **6**].

Total Specimens for 2 May 1910: 6

6 May 1910

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Malela: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **5**].

Total Specimens for 6 May 1910: 5

7 May 1910

Senegal: Dialocote: Owen, G.F.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1910: 1

8 May 1910

Kenya: Taveta: Kemp, Robin: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 8 May 1910: 3

9 May 1910

Congo (Democratic Republic of the): Banana: Gruvel, Abel: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 9 May 1910: 4

14 May 1910

Kenya: Taveta: Kemp, Robin: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1910: 1

15 May 1910

Nigeria: Kabir: Fox, G.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1910: 1

21 May 1910

Benin: Agouagon: Bouet: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1910: 1

1 June 1910

Madagascar: near Matsaborimanga, Ankarana, N of: Grandidier, Guillaume: MCZ: 1 [1 - **1**] - Rodo valley: Grandidier Collection, The: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 1 June 1910: 2

5 June 1910

São Tomé and Principé: Unknown locality: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1910: 1

6 June 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
Tanzania: Dar es Salaam: Pomeroy, A.W.J.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1910: 2

17 June 1910

Cameroon: Bibundi: Retzlaff, M.: ZMH: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1910: 1

26 June 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1910: 1

27 June 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2, RMCA: 1 [3 - **3** - **3**].

Total Specimens for 27 June 1910: 3

30 June 1910

Zimbabwe: Selukwe: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1910: 1

2 July 1910

Kenya: Mazeras: Kemp, Robin; Rudd, C.D.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 2 July 1910: 3

4 July 1910

Malawi: Port Herald: Harger: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1910: 1

10 July 1910

Kenya: Mazeras: Kemp, Robin; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1910: 1

11 July 1910

Kenya: Mazeras: Kemp, Robin; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1910: 1

27 July 1910

Guinea: Fouta Djallon: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Fouta-Djallon: Pobéguin, Charles-Henri: MNHN: 1 [1 - **1**] - Pita: Pobéguin, Charles-Henri: MNHN: 1 [1 - **1**] - Pita area: Pobéguin, Charles-Henri: MNHN: 1 [1 - **1** - **4**].

Total Specimens for 27 July 1910: 4

3 August 1910

Congo (Democratic Republic of the): Medje: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 3 August 1910: 2

12 August 1910

Benin: Agouagon: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Agouagou: Bouet: MNHN: 1 [1 - **1** - **3**].

Total Specimens for 12 August 1910: 3

29 August 1910

Egypt: Gizeh: Flower, Stanley Smyth: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1910: 1

3 September 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1910: 1

5 September 1910

Angola: Cabiri: Ansorge, William John: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1910: 1

6 September 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 September 1910: 2

7 September 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 7 September 1910: 5

8 September 1910

Congo (Democratic Republic of the): Medje: ?: Collector Unknown: MCZ: 3 [3]; Lang, Herbert: FMNH: 2 [2]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 39, BMNH: 1, RMCA: 2 [42 - **47** - **47**].

Total Specimens for 8 September 1910: 47

12 September 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 September 1910: 1

14 September 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1910: 1

15 September 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 15 September 1910: 3

16 September 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3, RMCA: 1 [4 - **4** - **4**].

Total Specimens for 16 September 1910: 4

22 September 1910

Cameroon: Bitye: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1910: 1

1 October 1910

Central African Republic: Badingua: Schubolz, H.: SMF: 2 [2 - **2** - **2**].
Chad: Fort Archambault: : SMF: 1 [1 - **1** - **1**].

Congo (Democratic Republic of the): Duma: ?: Collector Unknown: SMF: 1 [1]; : SMF: 1 [1]; Tr. z. U., Ad.: ZMH: 2 [2 - **4** - **4**].

Total Specimens for 1 October 1910: 7

2 October 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1910: 1

6 October 1910

Congo (Democratic Republic of the): Stanleyville: Weyns: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1910: 1

7 October 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 7 October 1910: 2

11 October 1910

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1910: 1

12 October 1910

Congo (Democratic Republic of the): Duma: : SMF: 2 [2]; Schubolz, H.: SMF: 1 [1 - **3** - **3**].

Total Specimens for 12 October 1910: 3

24 October 1910

Somalia: Zeyla: Drake-Brockman, Ralph Evelyn: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 24 October 1910: 4

29 October 1910

Somalia: Zeyla: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1910: 1

9 November 1910

South Africa: Transvaal province: ?: Collector Unknown: MCZ: 6 [6 - **6** - **6**].

Total Specimens for 9 November 1910: 6

11 November 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 11 November 1910: 3

14 November 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 6, RMCA: 1 [7 - **7** - **7**].

Total Specimens for 14 November 1910: 7

16 November 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert: FMNH: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3, FMNH: 1, RMCA: 1 [5 - **6** - **6**].

Total Specimens for 16 November 1910: 6

18 November 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 November 1910: 2

19 November 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1910: 1

20 November 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1910: 1

25 November 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1910: 1

26 November 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 26 November 1910: 3

1 December 1910

Chad: Chari delta: Herzog, A.T.M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1910: 1

2 December 1910

Madagascar: Tananarive: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1910: 1

3 December 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1910: 1

6 December 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert: FMNH: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **4** - **4**].

Total Specimens for 6 December 1910: 4

7 December 1910

Ghana: Bibianaha: Spurrell, H.G.F.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1910: 1

8 December 1910

Ghana: Bibianaha: Spurrell, H.G.F.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1910: 1

10 December 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1910: 1

12 December 1910

Congo (Democratic Republic of the): Aba: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5**] - Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 9, FMNH: 2 [11 - **11** - **16**].

Total Specimens for 12 December 1910: 16

16 December 1910

Congo (Democratic Republic of the): Niangara: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 16 December 1910: 2

23 December 1910

South Africa: Port St. Johns: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 23 December 1910: 2

24 December 1910

South Africa: Pretoria: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1910: 1

26 December 1910

Congo (Democratic Republic of the): Niangara: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 7 [7 - **8** - **8**].

Total Specimens for 26 December 1910: 8

27 December 1910

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 December 1910: 2

1 January 1911

"Africa": Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].
Cameroon: Kribi: Schwab, George W.: MCZ: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Madagascar: Maevatanana: Mazières: MCZ: 2 [2 - **2** - **2**].
Uganda: Buhivu: Kinunke: NMW: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1911: 7

7 January 1911

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1911: 1

13 January 1911

Congo (Democratic Republic of the): Aba: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1911: 1

1 February 1911

Chad: Fort Archambault: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 1 February 1911: 2

4 February 1911

South Africa: Farm Makapansgat, Makapan cave: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 4 February 1911: 2

6 February 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1911: 1

7 February 1911

South Africa: Farm Hectorspruit: Streeter, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1911: 1

8 February 1911

Senegal: Badi: Owen, G.F.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1911: 1

9 February 1911

South Africa: Farm Hectorspruit: Streeter, J.: TM: 4 [4 - **4**] - Hectorspruit: ?: Collector Unknown: TM: 1 [1 - **1** - **5**].

Total Specimens for 9 February 1911: 5

18 February 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 February 1911: 2

19 February 1911

Kenya: Kisumu district: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1911: 1

21 February 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 February 1911: 2

25 February 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2, RMCA: 1 [3 - **3** - **3**].

Total Specimens for 25 February 1911: 3

26 February 1911

South Africa: Port St. Johns: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1911: 1

1 March 1911

Chad: Fort Archambault: Schubolz, H.: SMF: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 1 March 1911: 8

2 March 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 March 1911: 2

7 March 1911

Congo (Democratic Republic of the): Faradje: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 7 March 1911: 2

14 March 1911

Congo (Democratic Republic of the): Faradje: ?: Collector Unknown: MCZ: 2 [2]; Lang, Herbert: FMNH: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 8 [8 - **11** - **11**].

Total Specimens for 14 March 1911: 11

15 March 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 7, RMCA: 1 [8 - **8** - **8**].

Total Specimens for 15 March 1911: 8

20 March 1911

Kenya: Luazomela: ?: Collector Unknown: NRM: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1911: 1

25 March 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1911: 1

29 March 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1911: 1

30 March 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5, RMCA: 1 [6 - **6**] - Thysville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **7**].

Total Specimens for 30 March 1911: 7

1 April 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1911: 1

4 April 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1911: 1

7 April 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1911: 1

8 April 1911

Kenya: Mtito Andei: Heller, Edmund: FMNH: 1, USNM: 16 [17 - **17** - **17**].

Total Specimens for 8 April 1911: 17

10 April 1911

The Gambia: Maka: Wolbach, Simeon Burt: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1911: 1

11 April 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1911: 1

12 April 1911

South Africa: Pretoria: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 12 April 1911: 2

20 April 1911

Chad: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Melfi: : SMF: 8 [8]; Herzog, A.T.M.: SMF: 5 [5 - **13**] - Melfi Mountains: Herz, A.F.M.: SMF: 2 [2 - **2** - **16**].

Total Specimens for 20 April 1911: 16

23 April 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 23 April 1911: 3

26 April 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1911: 1

30 April 1911

South Africa: Port St. Johns: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1911: 1

2 May 1911

Uganda: Taken 20 mi S of East of Center of Albert N: Akeley, Carl Ethan: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1911: 1

4 May 1911

Kenya: Sotik: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1911: 1

8 May 1911

South Africa: Barberton: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1911: 1

13 May 1911

Cameroon: Marua: : SMF: 1 [1]; Herzog, A.T.M.: SMF: 1 [1 - **2** - **2**].

Total Specimens for 13 May 1911: 2

17 May 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1911: 1

20 May 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4, MCZ: 1 [5 - **5** - **5**].

Total Specimens for 20 May 1911: 5

22 May 1911

South Africa: Hectorspruit: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1911: 1

24 May 1911

Kenya: Sotik: Heller, Edmund: USNM: 3 [3 - **3** - **3**].

Total Specimens for 24 May 1911: 3

28 May 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 May 1911: 1

1 June 1911

Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: SMF: 2 [2]; Schubolz, H.: SMF: 1 [1 - **3**] - Koloka: : SMF: 1 [1]; Schubolz, H.: SMF: 2 [2 - **3** - **6**].

Total Specimens for 1 June 1911: 6

7 June 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, RMCA: 1 [2 - **2** - **2**].

Total Specimens for 7 June 1911: 2

12 June 1911

South Africa: Port St. Johns: Swinny, H.H.: TM: 2 [2 - **2** - **2**].

Total Specimens for 12 June 1911: 2

18 June 1911

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1911: 1

23 June 1911

South Africa: Port St. Johns: Swinny, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1911: 1

29 June 1911

South Africa: Wonderboom cave: Roberts, Austin: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 June 1911: 1

2 July 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1911: 1

7 July 1911

Kenya: Lakiundu River: Heller, Edmund: USNM: 2 [2 - **2** - **2**].

Total Specimens for 7 July 1911: 2

8 July 1911

Kenya: Lakiundu River: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1911: 1

10 July 1911

Kenya: Guaso Nyiro: Heller, Edmund: USNM: 1 [1 - **1**] - Lakiundu River: Heller, Edmund: USNM: 1 [1 - **1** - **2**].

Total Specimens for 10 July 1911: 2

11 July 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
Kenya: Lakiundu River: Heller, Edmund: USNM: 5 [5 - **5** - **5**].

Total Specimens for 11 July 1911: 6

12 July 1911

Kenya: Lakiundu River: Heller, Edmund: USNM: 6 [6 - **6** - **6**].

Total Specimens for 12 July 1911: 6

14 July 1911

Kenya: Lakiundu River: Heller, Edmund: USNM: 4 [4 - **4** - **4**].

Total Specimens for 14 July 1911: 4

16 July 1911

Cameroon: Bibundi: Retzlaff, M.: ZMH: 2 [2 - **2** - **2**].

Kenya: Lakiundu River: Heller, Edmund: USNM: 5 [5 - **5** - **5**].

Total Specimens for 16 July 1911: 7

18 July 1911

Kenya: Archer's Post: Heller, Edmund: USNM: 3 [3 - **3** - **3**].

Total Specimens for 18 July 1911: 3

20 July 1911

Kenya: Marsabit road: Heller, Edmund: USNM: 4 [4 - **4** - **4**].

Total Specimens for 20 July 1911: 4

22 July 1911

Kenya: Merelle Water: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1911: 1

26 July 1911

Kenya: Marsabit road: Heller, Edmund: USNM: 3 [3 - **3** - **3**].

Total Specimens for 26 July 1911: 3

28 July 1911

Kenya: Marsabit road: Heller, Edmund: USNM: 4 [4 - **4** - **4**].

Total Specimens for 28 July 1911: 4

31 July 1911

Kenya: Marsabit road: Heller, Edmund: USNM: 1 [1 - **1**] - Northern Guaso Nyiro: Heller, Edmund: USNM: 1 [1 - **1** - **2**].

Total Specimens for 31 July 1911: 2

2 August 1911

Congo (Democratic Republic of the): Faradje: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3** - **3**].

Total Specimens for 2 August 1911: 3

4 August 1911

Kenya: Marsabit road: Heller, Edmund: USNM: 2 [2 - **2** - **2**].

Total Specimens for 4 August 1911: 2

8 August 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].
Kenya: Euaso Nyiro: Percival, Arthur Blayney: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1911: 3

13 August 1911

Kenya: Archer's Post: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1911: 1

14 August 1911

Kenya: Archer's Post: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1911: 1

15 August 1911

Kenya: Archer's Post: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1911: 1

16 August 1911

Kenya: Archer's Post: Heller, Edmund: USNM: 7 [7 - **7** - **7**].

Total Specimens for 16 August 1911: 7

18 August 1911

Kenya: Ewaso Ngi'ro: Percival, Arthur Blayney: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1911: 1

19 August 1911

Kenya: Archer's Post: Heller, Edmund: USNM: 4 [4 - **4** - **4**].

Total Specimens for 19 August 1911: 4

26 August 1911

Kenya: Gargues, mount [summit]: Heller, Edmund: USNM: 5 [5 - **5** - **5**].

Total Specimens for 26 August 1911: 5

31 August 1911

Kenya: Archer's Post: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1911: 1

1 September 1911

Congo (Democratic Republic of the): Duma: Herzog, A.T.M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1911: 1

4 September 1911

Kenya: Ewaso Ngi'ro: Percival, Arthur Blayney: BMNH: 1 [1 - **1** - **1**].
South Africa: Farm Vygeboschlaagte 236JQ: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1911: 2

5 September 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1911: 1

11 September 1911

Equatorial Guinea: Annobon Island: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 September 1911: 1

17 September 1911

South Africa: Farm Hectorspruit: Streeter, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1911: 1

18 September 1911

South Africa: Farm Hectorspruit: Streeter, J.: TM: 1 [1 - **1**] - Hectorspruit: ?: Collector Unknown: TM: 3 [3 - **3** - **4**].

Total Specimens for 18 September 1911: 4

22 September 1911

Kenya: Mount Lolokwi: Heller, Edmund: USNM: 3 [3 - **3** - **3**].

Total Specimens for 22 September 1911: 3

25 September 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 September 1911: 1

30 September 1911

Kenya: Ewaso Ngi'ro: Percival, Arthur Blayney: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1911: 1

2 October 1911

Kenya: Turah: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1911: 1

4 October 1911

Kenya: Lower Ngare Nyuki: Heller, Edmund: USNM: 11 [11 - **11**] - Northern Guaso Nyiro: Heller, Edmund: USNM: 4 [4 - **4** - **15**].

Total Specimens for 4 October 1911: 15

17 October 1911

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1911: 1

26 October 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1911: 1

29 October 1911

Kenya: Voi: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1911: 1

1 November 1911

Tanzania: Zanzibar: ?: Collector Unknown: USNM: 10 [10 - **10** - **10**].

Total Specimens for 1 November 1911: 10

3 November 1911

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Yakuluku: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 3 November 1911: 2

5 November 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 November 1911: 2

6 November 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 11 [11 - **11** - **11**].

Total Specimens for 6 November 1911: 11

15 November 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1911: 1

20 November 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Lukonzolwa: Stappers, Louis: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 20 November 1911: 2

22 November 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4, RMCA: 1 [5 - **5** - **5**].

Total Specimens for 22 November 1911: 5

23 November 1911

"Africa": Unknown locality: Scott: BMNH: 1 [1 - **1**] - Jala plains: ?: Collector Unknown: BMNH: 1 [1]; Scott: BMNH: 2 [2 - **3** - **4**].

Total Specimens for 23 November 1911: 4

24 November 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 24 November 1911: 3

3 December 1911

Congo (Democratic Republic of the): Aba: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1911: 1

10 December 1911

South Africa: Hectorspruit: ?: Collector Unknown: TM: 2 [2]; Streeter, F.: TM: 1 [1 - **3** - **3**].

Total Specimens for 10 December 1911: 3

11 December 1911

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1911: 1

13 December 1911

Congo (Democratic Republic of the): Aba: ?: Collector Unknown: MCZ: 2, TM: 1 [3]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 49, RMCA: 2 [51 - **54**] - Orientale: ?: Collector Unknown: SMF: 1 [1 - **1** - **55**].

Total Specimens for 13 December 1911: 55

15 December 1911

Congo (Democratic Republic of the): Aba: ?: Collector Unknown: MCZ: 2 [2]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 9, RMCA: 1 [10 - **12** - **12**].

Total Specimens for 15 December 1911: 12

16 December 1911

Congo (Democratic Republic of the): Aba: ?: Collector Unknown: MCZ: 3 [3]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 33, RMCA: 3 [36 - **39** - **39**].

Total Specimens for 16 December 1911: 39

17 December 1911

Congo (Democratic Republic of the): Aba: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 27, RMCA: 2 [29 - **30** - **30**].

Total Specimens for 17 December 1911: 30

18 December 1911

Congo (Democratic Republic of the): Aba: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 18 December 1911: 4

20 December 1911

South Africa: Inkomati River: Roberts, Austin: TM: 4 [4 - **4**] - Komati River: Joubert, R.: TM: 1 [1 - **1** - **5**].

Total Specimens for 20 December 1911: 5

23 December 1911

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1911: 1

27 December 1911

Kenya: Mazeras: Heller, Edmund: USNM: 3 [3 - **3** - **3**].

Total Specimens for 27 December 1911: 3

1 January 1912

Congo (Democratic Republic of the): Congo da Lemba: Mayné: RMCA: 1 [1 - **1**] - Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **4**].
Gabon: Ogoou, near: : AMNH: 2 [2 - **2**] - Ogowe: Ford, E.A.: AMNH: 1 [1 - **1** - **3**].
Kenya: Taita: Rolle, Hermann: SMNS: 1 [1 - **1** - **1**].
Madagascar: Lower Fiherenana Valley: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Morocco: Unknown locality: de la Escalera, D. Manuel M.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1912: 11

2 January 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5, RMCA: 1 [6 - **6** - **6**].

Total Specimens for 2 January 1912: 6

5 January 1912

Congo (Democratic Republic of the): Lukula: Daniel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1912: 1

7 January 1912

Congo (Democratic Republic of the): Avakubi: Christy, Cuthbert: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1912: 1

17 January 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 17 January 1912: 2

19 January 1912

Ethiopia: Harrar [=Harar]: Kristensen, G.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1912: 1

28 January 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1912: 1

30 January 1912

Tanzania: Kibata: Bickel: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 30 January 1912: 2

9 February 1912

Kenya: Kisumu: Heller, Edmund: USNM: 2 [2 - **2** - **2**].
Malawi: Mlanje: Eton East African Research Committee, The; Neave, S.A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1912: 3

16 February 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1912: 1

18 February 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - Faradje territory: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **4**].

Total Specimens for 18 February 1912: 4

19 February 1912

Kenya: Kisumu: Heller, Edmund: USNM: 4 [4 - **4** - **4**].

Total Specimens for 19 February 1912: 4

23 February 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 February 1912: 2

24 February 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1912: 1

25 February 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 February 1912: 2

1 March 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 March 1912: 3

5 March 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1912: 1

6 March 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 March 1912: 2

7 March 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 7 March 1912: 6

9 March 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5, MCZ: 1 [6 - **6** - **6**].

Total Specimens for 9 March 1912: 6

14 March 1912

Congo (Democratic Republic of the): Garamba National Park: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1912: 1

15 March 1912

Congo (Democratic Republic of the): Garamba National Park: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1912: 1

26 March 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 26 March 1912: 2

5 April 1912

Congo (Democratic Republic of the): Léopoldville: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1912: 1

10 April 1912

Congo (Democratic Republic of the): Boga: Pilette, André: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1912: 1

11 April 1912

Congo (Democratic Republic of the): Léopoldville: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1912: 1

15 April 1912

South Africa: Hillary: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 15 April 1912: 3

16 April 1912

Congo (Democratic Republic of the): Léopoldville: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1912: 1

17 April 1912

Congo (Democratic Republic of the): Vankerkhovenville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 April 1912: 1

18 April 1912

Congo (Democratic Republic of the): Vankerkhovenville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 18 April 1912: 4

24 April 1912

Benin: "Dahomey": ?: Collector Unknown: MNHN: 2 [2 - **2**] - Porto-Novo or Abomey: Waterlot, G.: MNHN: 1 [1 - **1** - **3**].
Ghana: Bibianaha: Spurrell, H.G.F.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1912: 4

26 April 1912

Congo (Democratic Republic of the): Stanleyville: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1912: 1

15 May 1912

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1912: 1

16 May 1912

Algeria: El Golea: Hartert, Ernst Johnann Otto: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1912: 1

21 May 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 May 1912: 3

25 May 1912

Algeria: Sidi Okba: Streeter, D.D.: USNM: 33 [33 - **33** - **33**].

Total Specimens for 25 May 1912: 33

26 May 1912

Congo (Democratic Republic of the): Stanleyville: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1912: 1

1 June 1912

Congo (Democratic Republic of the): Garamba National Park: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1912: 1

5 June 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1912: 1

10 June 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1912: 1

26 June 1912

Congo (Democratic Republic of the): Stanleyville: Christy, Cuthbert: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 26 June 1912: 5

2 July 1912

Congo (Democratic Republic of the): Stanleyville: Christy, Cuthbert: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 2 July 1912: 2

4 July 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1912: 1

5 July 1912

Congo (Democratic Republic of the): Stanleyville: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1912: 1

20 July 1912

Congo (Democratic Republic of the): Stanleyville: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1912: 1

22 July 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1912: 1

6 August 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1912: 1

29 August 1912

South Africa: Pretoria: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1912: 1

3 September 1912

Cameroon: Bitye: Bates, George Latimer: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 September 1912: 2

7 September 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 September 1912: 1

16 September 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1912: 1

17 September 1912

Congo (Democratic Republic of the): Avakubi: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1912: 1

18 September 1912

Congo (Democratic Republic of the): Avakubi: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1912: 1

23 September 1912

Cameroon: Bitye: Bates, George Latimer: FMNH: 1, RMCA: 1 [2 - **2** - **2**].

Total Specimens for 23 September 1912: 2

26 September 1912

Congo (Democratic Republic of the): Avakubi: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1912: 1

29 September 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1912: 1

30 September 1912

Congo (Democratic Republic of the): Avakubi: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1912: 1

1 October 1912

Congo (Democratic Republic of the): Avakubi: Christy, Cuthbert: RMCA: 4 [4 - **4** - **4**].
South Africa: Beaumont: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1912: 5

14 October 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1912: 1

20 October 1912

Cameroon: Bitye: Bates, George Latimer: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1912: 1

21 October 1912

Congo (Democratic Republic of the): Faradje: ?: Collector Unknown: KU: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3** - **3**].

Total Specimens for 21 October 1912: 3

22 October 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 22 October 1912: 4

24 October 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1912: 1

25 October 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 October 1912: 2

30 October 1912

Congo (Democratic Republic of the): Avakubi: ?: Collector Unknown: BMNH: 1 [1]; Christy, Cuthbert: RMCA: 1 [1 - **2** - **2**].

Total Specimens for 30 October 1912: 2

31 October 1912

Congo (Democratic Republic of the): Avakubi: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1912: 1

1 November 1912

Cameroon: Njia, SW: Houg: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1912: 1

4 November 1912

Congo (Democratic Republic of the): Yakuluku: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1912: 1

5 November 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1912: 1

7 November 1912

Cameroon: Bitye: Bates, George Latimer: RMCA: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Avakubi: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1912: 2

11 November 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1912: 1

12 November 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 12 November 1912: 3

13 November 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1912: 1

14 November 1912

Nigeria: Kabwir: Fox, J.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1912: 1

16 November 1912

Congo (Democratic Republic of the): Fundi: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1912: 1

23 November 1912

South Africa: Hectorspruit: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1912: 1

28 November 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1912: 1

29 November 1912

Tanzania: Lindi: Lademann: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1912: 1

1 December 1912

Eritrea: Gaare: Patrizi Montoro, Saverio: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1912: 1

2 December 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1912: 1

3 December 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - Makala: Christy, Cuthbert: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 3 December 1912: 3

4 December 1912

Congo (Democratic Republic of the): Makala: Christie, J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1912: 1

5 December 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - Makala: Christy, Cuthbert: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 5 December 1912: 3

7 December 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1912: 1

13 December 1912

Egypt: Giza: ?: Collector Unknown: MCZ: 4 [4]; Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 3 [3 - **7**] - Gizeh: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: AMNH: 1, FMNH: 1 [2 - **2** - **9**].

Total Specimens for 13 December 1912: 9

15 December 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 15 December 1912: 2

16 December 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2, MCZ: 1 [3 - **3**] - Pili Pili: Christy, Cuthbert: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 16 December 1912: 4

17 December 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1912: 1

19 December 1912

Congo (Democratic Republic of the): Pili Pili: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1912: 1

23 December 1912

Kenya: Uasin Gishu District: Richardson, Jenness: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 December 1912: 2

28 December 1912

Sudan: Singa: ?: Collector Unknown: MCZ: 1 [1]; Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **2** - **2**].

Total Specimens for 28 December 1912: 2

29 December 1912

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1912: 1

31 December 1912

Kenya: Baringo, 30 mi NW: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1912: 1

1 January 1913

Benin: Porto-Novo: Mazières: MCZ: 7 [7 - **7** - **7**].
Cameroon: Ebolowa: Schwab, George W.: AMNH: 4, MCZ: 29 [33 - **33**] - Mbalmayo, probably near: Schwab, George W.: MCZ: 18 [18 - **18**] - Metet: Schwab, George W.: AMNH: 1, MCZ: 35 [36 - **36**] - Nyong River, near: Schwab, George W.: MCZ: 1 [1 - **1** - **88**].
Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 2 [2 - **2** - **2**].
Kenya: Yala river: Gerard, E.; Turner, H.J.A.(?): BMNH: 1 [1 - **1** - **1**].
Madagascar: Forêt d'Analalava: Grandidier Collection, The: MCZ: 1 [1]; Mounier, M.: MCZ: 14 [14 - **15** - **15**].

Total Specimens for 1 January 1913: 113

4 January 1913

Kenya: Port Dawnford: ?: Collector Unknown: NMK: 11 [11 - **11** - **11**].

Total Specimens for 4 January 1913: 11

5 January 1913

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 5 January 1913: 2

6 January 1913

Sudan: Bados: Allen, Glover Morrill: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1913: 1

8 January 1913

Sudan: El Garef: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1913: 1

9 January 1913

Sudan: El Garef: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: FMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 9 January 1913: 2

10 January 1913

Sudan: El Garef: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 10 January 1913: 3

12 January 1913

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 12 January 1913: 2

13 January 1913

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1913: 1

14 January 1913

Sudan: Aradeiba: Allen, Glover Morrill; Phillips Sudan Expedition, The: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1913: 1

16 January 1913

Sudan: Fazogli: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1913: 1

17 January 1913

Congo (Democratic Republic of the): Mambaka: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1913: 1

19 January 1913

Sudan: Fazogli: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 19 January 1913: 3

20 January 1913

Congo (Democratic Republic of the): Mambaka: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].
Sudan: Aradeiba: Allen, Glover Morrill; Phillips Sudan Expedition, The: MCZ: 1 [1 - **1**] - Fazogli: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 20 January 1913: 3

21 January 1913

Congo (Democratic Republic of the): Mambaka: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1913: 1

22 January 1913

Congo (Democratic Republic of the): Mambaka: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].
Sudan: Aradeiba: Allen, Glover Morrill; Phillips Sudan Expedition, The: MCZ: 1 [1]; Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 2 [2 - **3**] - Roseires: ?: Collector Unknown: MCZ: 1 [1 - **1** - **4**].

Total Specimens for 22 January 1913: 5

25 January 1913

Sudan: Mangangani: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1913: 1

28 January 1913

Sudan: Magangani: ?: Collector Unknown: MCZ: 2 [2]; Phillips, John Charles: MCZ: 1 [1 - **3** - **3**].

Total Specimens for 28 January 1913: 3

29 January 1913

Sudan: Magangani: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1913: 1

1 February 1913

Sudan: El Garef: ?: Collector Unknown: MCZ: 1 [1]; Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **2** - **2**].

Total Specimens for 1 February 1913: 2

2 February 1913

Sudan: Bados: ?: Collector Unknown: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1913: 1

3 February 1913

Sudan: Bados: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1913: 1

4 February 1913

Sudan: Abu Zor: ?: Collector Unknown: MCZ: 11 [11]; Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: FMNH: 1, MCZ: 3 [4 - **15** - **15**].

Total Specimens for 4 February 1913: 15

5 February 1913

Sudan: Abu Zor: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1913: 1

6 February 1913

Sudan: El Garef: ?: Collector Unknown: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 6 February 1913: 2

14 February 1913

Sudan: El Abrad: ?: Collector Unknown: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 14 February 1913: 2

20 February 1913

Congo (Democratic Republic of the): Faradje: Lang, Herbert: FMNH: 2 [2]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 23, MCZ: 1, RMCA: 1 [25 - **27** - **27**].

Total Specimens for 20 February 1913: 27

1 March 1913

Congo (Democratic Republic of the): Dungu: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 8, MCZ: 1, RMCA: 1 [10 - **10** - **10**].

Total Specimens for 1 March 1913: 10

2 March 1913

Cameroon: Bibundi: Wenke: ZMH: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1913: 1

10 March 1913

Sudan: Bahr el Zeraf, Gebel Geraf: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1913: 1

12 March 1913

Congo (Democratic Republic of the): Léopoldville: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1913: 1

26 March 1913

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1913: 1

27 March 1913

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 27 March 1913: 3

1 April 1913

South Africa: Mosely: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1913: 1

6 April 1913

Congo (Democratic Republic of the): Boma: Styczynski: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1913: 1

19 April 1913

South Africa: Hectorspruit: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1913: 1

26 April 1913

South Africa: Berea: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1913: 1

29 April 1913

Cameroon: Elat: Johnston, W.E.: CM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1913: 1

1 May 1913

Congo (Democratic Republic of the): Benza Masola: Mayné: RMCA: 3 [3 - **3**] - Dungu: Lang, Herbert: FMNH: 2 [2 - **2** - **5**].

Total Specimens for 1 May 1913: 5

27 May 1913

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 27 May 1913: 3

31 May 1913

Congo (Democratic Republic of the): Niangara: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 31 May 1913: 2

2 June 1913

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1913: 1

4 June 1913

Mozambique: Vumba: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1913: 1

12 June 1913

Mozambique: Vumba: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 June 1913: 1

20 June 1913

Congo (Democratic Republic of the): Niangara: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1913: 1

1 July 1913

Kenya: Sebaki river: Bayer: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 1 July 1913: 3

3 July 1913

Congo (Democratic Republic of the): Isiro: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1913: 1

8 July 1913

Gabon: Mitzic: Davies, J.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1913: 1

27 July 1913

Tanzania: Tundau: : BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1913: 1

28 July 1913

Congo (Democratic Republic of the): Rungu: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1913: 1

1 August 1913

Congo (Democratic Republic of the): Poko: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
Madagascar: Fiherenana River, lower valley: Lescure: MCZ: 2 [2 - **2**] - Toliary province: Lescure: MCZ: 1 [1 - **1**] - Tsiombe-Androy: Lescure: MCZ: 13 [13 - **13** - **16**].

Total Specimens for 1 August 1913: 17

8 August 1913

Congo (Democratic Republic of the): Mawambi: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1913: 1

13 August 1913

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1913: 1

16 August 1913

Zimbabwe: Bezwe river: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1913: 1

22 August 1913

Congo (Democratic Republic of the): Poko: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1913: 1

29 August 1913

South Africa: Mosely: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1913: 1

30 August 1913

Congo (Democratic Republic of the): Poko: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - Poko zone: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **3**].

Total Specimens for 30 August 1913: 3

1 September 1913

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1913: 1

3 September 1913

Congo (Democratic Republic of the): Boma: Styczynski: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1913: 1

9 September 1913

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 September 1913: 2

24 September 1913

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1913: 1

1 October 1913

Congo (Democratic Republic of the): Avakubi: Howard, J.A.: KU: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3** - **3**].
Madagascar: Forêt d'Analalava: Mounier, M.: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 1 October 1913: 6

5 October 1913

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 October 1913: 1

7 October 1913

Congo (Democratic Republic of the): Akenge: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - Boma: Styczynski: RMCA: 2 [2 - **2** - **4**].

Total Specimens for 7 October 1913: 4

8 October 1913

Cameroon: Lolodorf: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1913: 1

14 October 1913

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1913: 1

15 October 1913

South Africa: Farm Hectorspruit: Streeter, J.: TM: 4 [4 - **4** - **4**].

Total Specimens for 15 October 1913: 4

16 October 1913

South Africa: Farm Hectorspruit: Streeter, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 October 1913: 1

17 October 1913

South Africa: Hectorspruit: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1913: 1

21 October 1913

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1913: 1

1 November 1913

Algeria: road between Sétif and Annaba: ?: Collector Unknown: ZFMK: 2 [2 - **2** - **2**].
Zambia: Chilanga: Wood, Rodney C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1913: 3

4 November 1913

Congo (Democratic Republic of the): Lesse: Bonnevie: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 4 November 1913: 3

5 November 1913

Congo (Democratic Republic of the): Faradje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1913: 1

7 November 1913

Cameroon: Bitye: Bates, George Latimer: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1913: 1

9 November 1913

Kenya: Yala river: Turner, H.J.A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1913: 1

13 November 1913

Kenya: Yala river: Turner, H.J.A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1913: 1

16 November 1913

Kenya: Yala river: Gerard, E.; Turner, H.J.A.(?): BMNH: 1 [1]; Turner, H.J.A.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 16 November 1913: 2

17 November 1913

South Africa: Insusie Valley: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1913: 1

18 November 1913

Congo (Democratic Republic of the): Batoko: Bequaert, J.: RMCA: 1 [1 - **1** - **1**].
Kenya: Yala river: Turner, H.J.A.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 18 November 1913: 3

20 November 1913

Kenya: Yala river: Turner, H.J.A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1913: 1

23 November 1913

Kenya: Yala river: Gerard, E.; Turner, H.J.A.(?): BMNH: 1 [1]; Turner, H.J.A.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 23 November 1913: 2

24 November 1913

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].
Kenya: Yala river: Turner, H.J.A.: USNM: 1 [1 - **1** - **1**].
South Africa: Estcourt: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1913: 3

25 November 1913

Kenya: Yala river: Turner, H.J.A.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 25 November 1913: 3

29 November 1913

Kenya: Yala river: Turner, H.J.A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1913: 1

1 December 1913

Kenya: Yala river: Gerard, E.; Turner, H.J.A.(?): BMNH: 1 [1]; Turner, H.J.A.: USNM: 2 [2 - **3** - **3**].

Total Specimens for 1 December 1913: 3

2 December 1913

Congo (Democratic Republic of the): Niapu: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
Kenya: Yala river: Turner, H.J.A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1913: 2

4 December 1913

Congo (Democratic Republic of the): Niapu: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 4 December 1913: 2

5 December 1913

South Africa: Estcourt: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1913: 1

10 December 1913

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 10 December 1913: 2

13 December 1913

Egypt: Gizeh: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 4 [4 - **4** - **4**].
Sudan: Sennaar, 20 mi [=30 km] above: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1913: 5

15 December 1913

Cameroon: Douala: Haas, A.: SMF: 1 [1 - **1**] - Ibid: Haas, A.: SMF: 1 [1 - **1** - **2**].
Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1913: 3

19 December 1913

Congo (Democratic Republic of the): Pili Pili: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1913: 1

20 December 1913

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1913: 1

23 December 1913

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 December 1913: 2

28 December 1913

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1913: 1

1 January 1914

"Africa": Baruma: Rosenberg, G.: ZFMK: 1 [1 - **1** - **1**].
Cameroon: Bitye: Rosenberg, W.F.H.: ZFMK: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Avakubi: Bequaert, J.: RMCA: 1 [1 - **1**] - Funda Biabo: de Baillet Latour: RMCA: 1 [1 - **1** - **2**].
Madagascar: Ambatondrazaka: Toussaint: MCZ: 27 [27 - **27**] - Mozambique Channel at N end of St. Augustin Bay: Lescure: MCZ: 3 [3 - **3** - **30**].

Total Specimens for 1 January 1914: 34

2 January 1914

Congo (Democratic Republic of the): Mambaka: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1914: 1

15 January 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1914: 1

16 January 1914

Congo (Democratic Republic of the): Avakubi: Bequaert, J.: RMCA: 1 [1 - **1** - **1**].
South Africa: Pietersburg, farm near: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1914: 2

17 January 1914

Congo (Democratic Republic of the): Avakubi: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3** - **3**].

Total Specimens for 17 January 1914: 3

20 January 1914

Congo (Democratic Republic of the): Mambaka: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].
Namibia: Litembo: Lademann: ZMB: 5 [5 - **5** - **5**].

Total Specimens for 20 January 1914: 6

24 January 1914

Congo (Democratic Republic of the): Avakubi: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3** - **3**].

Total Specimens for 24 January 1914: 3

26 January 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1914: 1

27 January 1914

Congo (Democratic Republic of the): Niapu: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 9 [9 - **9** - **9**].
Sudan: Fashoda, near: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1914: 10

28 January 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Niapu: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **3**].

Total Specimens for 28 January 1914: 3

1 February 1914

Congo (Democratic Republic of the): Funda Biabo: Charliers: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1914: 1

3 February 1914

South Sudan: Bahr-el-Zeraf, near mouth: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1914: 1

13 February 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1914: 1

21 February 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1914: 1

24 February 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1914: 1

25 February 1914

Congo (Democratic Republic of the): Poko: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1914: 1

26 February 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 26 February 1914: 2

27 February 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Niapu: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 27 February 1914: 2

28 February 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1914: 1

1 March 1914

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].
Egypt: Aburoash: Bonhote, John James Lewis: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1914: 3

3 March 1914

Congo (Democratic Republic of the): Avakubi: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 3 March 1914: 2

5 March 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1914: 1

6 March 1914

Congo (Democratic Republic of the): Avakubi: Howard, J.A.: KU: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3** - **3**].

Total Specimens for 6 March 1914: 3

11 March 1914

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - Yambata: De Giorgi: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 11 March 1914: 3

14 March 1914

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1914: 1

16 March 1914

Sudan: En Nabbaka: Wettstein, Otto Ritter von Westersheim: NMW: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1914: 1

19 March 1914

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 March 1914: 2

20 March 1914

Cameroon: Lolodorf: Reis, J.A.: CM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Funda Biabo: Charliers: RMCA: 1 [1 - **1** - **1**].
Sudan: Nuba Mountains, N edge: Wettstein, Otto Ritter von Westersheim: NMW: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1914: 3

22 March 1914

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1914: 1

26 March 1914

Congo (Democratic Republic of the): Funda Biabo: Charliers: RMCA: 1 [1 - **1**] - Medje: Christy, Cuthbert: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 26 March 1914: 2

27 March 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1914: 1

31 March 1914

Algeria: Hoggar, Oued Igharghar: von Schweppenburg, G.: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1914: 1

1 April 1914

Congo (Democratic Republic of the): Funda Biabo: Charliers: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1914: 1

4 April 1914

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1914: 1

5 April 1914

Sudan: Erkovit: Lynes, Hubert: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1914: 1

6 April 1914

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1914: 1

7 April 1914

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, RMCA: 1 [2 - **2** - **2**].

Total Specimens for 7 April 1914: 2

8 April 1914

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1914: 1

9 April 1914

Congo (Democratic Republic of the): Medje: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 9 April 1914: 1

11 April 1914

Egypt: Unknown locality: Lohr, R.: NMW: 1 [1 - **1** - **1**].
South Sudan: Tonga: Wettstein, Otto Ritter von Westersheim: BMNH: 1, NMW: 1 [2 - **2** - **2**].

Total Specimens for 11 April 1914: 3

14 April 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1914: 1

16 April 1914

Togo: Lomé: Keilhack, L.: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1914: 1

21 April 1914

Congo (Democratic Republic of the): Penge: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1914: 1

25 April 1914

Congo (Democratic Republic of the): Medje: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1914: 1

28 April 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Uele: Hutereau, M.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 28 April 1914: 2

7 May 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1914: 1

11 May 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1914: 1

12 May 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Medje: Christy, Cuthbert: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 12 May 1914: 2

13 May 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1914: 1

14 May 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1914: 1

15 May 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 15 May 1914: 3

16 May 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1914: 1

18 May 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1914: 1

20 May 1914

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 May 1914: 2

22 May 1914

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1914: 1

23 May 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1914: 1

27 May 1914

Congo (Democratic Republic of the): Avakubi: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 27 May 1914: 2

28 May 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 May 1914: 1

2 June 1914

Congo (Democratic Republic of the): Beni: Bonnevie: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1914: 1

3 June 1914

South Africa: Barberton: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1914: 1

4 June 1914

Cameroon: Lolodorf: Good, A.I.: CM: 1 [1 - **1** - **1**].
Kenya: Kerio river: Bayer: RMCA: 24 [24 - **24** - **24**].

Total Specimens for 4 June 1914: 25

5 June 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 5 June 1914: 5

15 June 1914

Kenya: Baringo: Bayer: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1914: 1

17 June 1914

Congo (Democratic Republic of the): Medje: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - Poko: Christy, Cuthbert: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 17 June 1914: 3

20 June 1914

Kenya: Baringo, lake: Bayer: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 20 June 1914: 2

24 June 1914

Congo (Democratic Republic of the): Poko: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1914: 1

1 July 1914

Congo (Democratic Republic of the): Poko: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1914: 1

12 July 1914

Congo (Democratic Republic of the): Poko: Christy, Cuthbert: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 12 July 1914: 2

16 July 1914

Congo (Democratic Republic of the): Poko: Christy, Cuthbert: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1914: 1

17 July 1914

Congo (Democratic Republic of the): Poko: Christy, Cuthbert: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 17 July 1914: 4

20 July 1914

Morocco: Unknown locality: Pallary, Paul: MCZ: 6 [6 - **6** - **6**].
Sierra Leone: Njala: Burting (or Bunting), R.K. (or R.H.): BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1914: 7

21 July 1914

Congo (Democratic Republic of the): Poko: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1914: 1

23 July 1914

Congo (Democratic Republic of the): Poko: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1914: 1

2 August 1914

Congo (Democratic Republic of the): Poko: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1914: 1

7 August 1914

South Africa: Mtongori: Jones, W.E.: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 7 August 1914: 2

15 August 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1914: 1

18 September 1914

Congo (Democratic Republic of the): Panga: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1914: 1

22 September 1914

Congo (Democratic Republic of the): Kitundu Kinda: de Baillet Latour: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 22 September 1914: 8

30 September 1914

Ethiopia: Awash: : BMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1914: 1

1 October 1914

Congo (Democratic Republic of the): Muezi Lupungu: de Baillet Latour: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 1 October 1914: 8

9 October 1914

Cameroon: Bitye: Bates, George Latimer: USNM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1914: 1

23 November 1914

Kenya: Tana River: Wulsin, Frederik Roelker: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 23 November 1914: 2

1 December 1914

Congo (Democratic Republic of the): Panga: Bequaert, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1914: 1

2 December 1914

Cameroon: Isongo: Retzlaff, M.: ZMH: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1914: 1

10 December 1914

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1914: 1

14 December 1914

Kenya: Kenia Forest: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1914: 1

16 December 1914

Congo (Democratic Republic of the): Stanleyville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1914: 1

22 December 1914

Congo (Democratic Republic of the): Kinshasa: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 22 December 1914: 2

1 January 1915

Congo (Democratic Republic of the): Stanleyville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

South Africa: Grahamstown: Graham, R.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1915: 2

5 January 1915

Kenya: Guaso Nyiro: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1**] - Northern Guaso Nyiro: : AMNH: 1 [1]; Wulsin, Frederik Roelker: AMNH: 1 [1 - **2** - **3**].

Total Specimens for 5 January 1915: 3

16 January 1915

South Africa: Griffin mine: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1915: 1

17 January 1915

South Africa: Griffin mine: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1915: 1

25 January 1915

Congo (Democratic Republic of the): Boma: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
South Africa: Gravelotte Mine: ?: Collector Unknown: TM: 21 [21 - **21** - **21**].

Total Specimens for 25 January 1915: 22

26 January 1915

Congo (Democratic Republic of the): Boma: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1915: 1

27 January 1915

Congo (Democratic Republic of the): Boma: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 27 January 1915: 3

29 January 1915

Congo (Democratic Republic of the): Boma: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
South Africa: Gravelotte Mine: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 29 January 1915: 3

10 February 1915

Congo (Democratic Republic of the): Cape Lopez: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1915: 1

28 February 1915

Congo (Democratic Republic of the): Avakubi: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1915: 1

2 March 1915

Kenya: Kazita River: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1915: 1

3 March 1915

Kenya: Kazita River: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1915: 1

5 March 1915

South Africa: Pretoria: Frans: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1915: 1

8 March 1915

Kenya: Kazita River: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1915: 1

11 March 1915

South Africa: Pretoria: Frans: TM: 1 [1]; Powell, W.: TM: 1 [1 - **2** - **2**].

Total Specimens for 11 March 1915: 2

13 March 1915

South Sudan: Nile, upper: Shaw, A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1915: 1

28 March 1915

Kenya: Northern Guaso Nyiro: Wulsin, Frederik Roelker: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 28 March 1915: 2

8 April 1915

Liberia: Cape Palmas, near: Kiekebusch, S.: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1915: 1

19 April 1915

South Africa: Farm Rooikrans [=Rooikranz] 538: Powell, W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1915: 1

21 April 1915

South Africa: Farm Rooikrans [=Rooikranz] 538: Powell, W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1915: 1

22 April 1915

South Africa: Farm Rooikranz 538: Powell, W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1915: 1

23 April 1915

South Africa: Farm Rooikrans [=Rooikranz] 538: Powell, W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1915: 1

25 April 1915

South Africa: Farm Rooikrans [=Rooikranz] 538: Powell, W.: TM: 2 [2 - **2** - **2**].

Total Specimens for 25 April 1915: 2

26 April 1915

South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: Powell, W.: TM: 1 [1 - **1**] - Farm Rooikrans [=Rooikranz] 538: Powell, W.: TM: 4 [4 - **4** - **5**].

Total Specimens for 26 April 1915: 5

28 April 1915

Cameroon: Bitye: : ZMB: 1 [1 - **1** - **1**].
Kenya: Kavirondo Bay: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1915: 2

30 April 1915

Kenya: Kavirondo Bay: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1915: 1

4 May 1915

Congo (Democratic Republic of the): Stanleyville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1915: 1

20 May 1915

South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: Powell, W.: TM: 1 [1 - **1**] - Steynsdorp: Roberts, Austin: TM: 1 [1 - **1** - **2**].

Total Specimens for 20 May 1915: 2

24 May 1915

South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: Powell, W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1915: 1

25 May 1915

South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: Powell, W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1915: 1

26 May 1915

South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: Powell, W.: TM: 8 [8 - **8** - **8**].

Total Specimens for 26 May 1915: 8

27 May 1915

South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: Powell, W.: TM: 2 [2 - **2** - **2**].

Total Specimens for 27 May 1915: 2

28 May 1915

South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: Powell, W.: TM: 7 [7 - **7** - **7**].

Total Specimens for 28 May 1915: 7

29 May 1915

South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: Powell, W.: TM: 3 [3 - **3** - **3**].

Total Specimens for 29 May 1915: 3

1 June 1915

Madagascar: Tamatave [=Toamasina]: Wulsin, Frederik Roelker: MCZ: 2 [2 - **2** - **2**].
South Africa: Malensons Shingwidzi Game Reserve: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1915: 3

2 June 1915

Congo (Democratic Republic of the): Thysville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 8, MCZ: 1 [9 - **9** - **9**].

Total Specimens for 2 June 1915: 9

15 June 1915

Congo (Democratic Republic of the): Boma: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1915: 1

16 June 1915

Somalia: Burao: Brockman, D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1915: 1

21 June 1915

Congo (Democratic Republic of the): Thysville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1915: 1

25 June 1915

Madagascar: Miandrivazo: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].
South Africa: Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: Powell, W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1915: 2

27 June 1915

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 June 1915: 1

1 July 1915

Congo (Democratic Republic of the): Stanleyville: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
South Africa: Ngxwala Hill: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1915: 2

3 July 1915

Madagascar: Bemara Gorges: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1**] - Siribihina River, Upper: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 3 July 1915: 2

8 July 1915

Congo (Democratic Republic of the): Malela: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 20, MCZ: 2 [22 - **22** - **22**].

Madagascar: Tsiribihina River: Wulsin, Frederik Roelker: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1915: 23

9 July 1915

Madagascar: Berevo: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1915: 1

11 July 1915

Madagascar: Berevo: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1915: 1

12 July 1915

South Africa: Ngxwala Hill: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1915: 1

13 July 1915

South Africa: Ngxwala Hill: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 13 July 1915: 2

14 July 1915

South Africa: Ngxwala Hill: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 14 July 1915: 3

19 July 1915

South Africa: Farm Fairfield 306: Powell, W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1915: 1

21 July 1915

Mozambique: Mazambo: ?: Collector Unknown: BRTC: 1 [1]; Van Dam, G.P.: TM: 1 [1 - **2**] - Mzambo: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

Total Specimens for 21 July 1915: 3

29 July 1915

South Africa: Farm Fairfield 306: Powell, W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1915: 1

3 August 1915

Mozambique: Guya: Van Dam, G.P.: TM: 1 [1 - **1**] - unspecified locality: Van Dam, G.P.: TM: 1 [1 - **1** - **2**].

Total Specimens for 3 August 1915: 2

16 August 1915

Madagascar: Tolear, E of: ?: Collector Unknown: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1915: 1

27 September 1915

Canary Islands (Spain): Agaete: Amory, H.R.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1915: 1

5 October 1915

Kenya: Yale River: Turner, A.: NMK: 2 [2 - **2** - **2**].

Total Specimens for 5 October 1915: 2

20 October 1915

Kenya: Yale River: Turner, A.: NMK: 3 [3 - **3** - **3**].

Total Specimens for 20 October 1915: 3

25 October 1915

Kenya: Kabete: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1915: 1

8 November 1915

Kenya: Yala river: de Sudermanie: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1915: 1

9 November 1915

Kenya: Yala river: de Sudermanie: RMCA: 1 [1]; Turner, A.: NRM: 1 [1 - **2** - **2**].

Total Specimens for 9 November 1915: 2

10 November 1915

Kenya: Yala river: de Sudermanie: RMCA: 1 [1]; Turner, A.: NRM: 3 [3 - **4** - **4**].

Total Specimens for 10 November 1915: 4

11 November 1915

Kenya: Yala river: de Sudermanie: RMCA: 1 [1]; Turner, A.: NRM: 1 [1 - **2** - **2**].

Total Specimens for 11 November 1915: 2

12 November 1915

Kenya: Yala river: Turner, A.: NRM: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1915: 1

13 November 1915

Kenya: Yala river: Turner, A.: NRM: 4 [4 - **4** - **4**].

Total Specimens for 13 November 1915: 4

19 November 1915

Kenya: Yala river: Turner, A.: NRM: 2 [2 - **2** - **2**].

Total Specimens for 19 November 1915: 2

30 November 1915

Kenya: Yala river: Turner, A.: NRM: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1915: 1

1 December 1915

Madagascar: Antanarivo [= Tananarive]: Wulsin, Frederik Roelker: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 1 December 1915: 2

5 December 1915

Kenya: Yala river: Allen, H.J.; Turner, H.J.A.: NRM: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1915: 1

26 March 1916

South Africa: Buffelsdraai: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1916: 1

1 April 1916

Cameroon: Metet: Schwab, George W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1916: 1

3 April 1916

South Africa: Farm Rietfontein: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1916: 1

16 April 1916

South Sudan: Tonga: Werner, Franz: NMW: 2 [2 - **2** - **2**].

Total Specimens for 16 April 1916: 2

5 May 1916

South Africa: Mayville: Noome, F.O.: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1916: 1

18 May 1916

Malawi: Chiromo, mount: Wood, Rodney C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1916: 1

23 May 1916

Swaziland: Piggs Peak: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 23 May 1916: 2

27 May 1916

Malawi: Chiromo: Wood, Rodney C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1916: 1

29 May 1916

Swaziland: Wyldesdale: ?: Collector Unknown: TM: 2 [2]; Roberts, Austin: TM: 3 [3 - **5**] - Wyldesdale, in old mine drive: Roberts, Austin: TM: 2 [2 - **2** - **7**].

Total Specimens for 29 May 1916: 7

31 May 1916

South Africa: Horo: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1916: 1

1 June 1916

Malawi: Chiromo: Wood, Rodney C.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 June 1916: 2

2 June 1916

Cameroon: Metet: Schwab, George W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1916: 1

3 June 1916

Malawi: Chiromo: Wood, Rodney C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1916: 1

4 June 1916

Malawi: Chiromo: Wood, Rodney C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1916: 1

5 June 1916

Malawi: Chiromo: Wood, Rodney C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1916: 1

7 June 1916

Malawi: Chiromo: Wood, Rodney C.: BMNH: 1, FMNH: 1 [2 - **2** - **2**].
South Africa: Cinnabar mine: Roberts, Austin: TM: 5 [5 - **5** - **5**].

Total Specimens for 7 June 1916: 7

8 June 1916

Malawi: Chiromo: Wood, Rodney C.: BMNH: 1, FMNH: 2 [3 - **3** - **3**].

Total Specimens for 8 June 1916: 3

9 June 1916

South Africa: Buffalo mine: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 June 1916: 1

17 June 1916

Malawi: Chiromo: Wood, Rodney C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1916: 1

30 June 1916

South Africa: Horo, in old mine drive: Roberts, Austin: TM: 2 [2 - **2** - **2**].

Total Specimens for 30 June 1916: 2

19 July 1916

Malawi: Chiromo: Wood, Rodney C.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 July 1916: 2

23 July 1916

Malawi: Chiromo: Wood, Rodney C.: BMNH: 1, KU: 1 [2 - **2** - **2**].

Total Specimens for 23 July 1916: 2

26 July 1916

Malawi: Chiromo: Wood, Rodney C.: KU: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1916: 1

1 August 1916

Malawi: Chiromo: Wood, Rodney C.: KU: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1916: 1

2 August 1916

South Africa: Mooivlei: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1916: 1

15 August 1916

South Africa: Mooivlei: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1916: 1

10 September 1916

Ghana: Tamale: Armitage: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1916: 1

2 October 1916

Malawi: Chiromo: Wood, Rodney C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1916: 1

18 December 1916

Malawi: Chiromo: Wood, Rodney C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1916: 1

1 January 1917

Madagascar: "probably côte est": Grandidier Collection, The: MCZ: 2 [2 - **2**] - Beforona: Grandidier Collection, The: MCZ: 1 [1 - **1**] - east coast of Madagascar: Grandidier Collection, The: MCZ: 3 [3 - **3**] - Eastern Madagascar: Grandidier, Guillaume; l'Académie Malgache: MCZ: 2 [2 - **2**] - Great Forest: Grandidier Collection, The: MCZ: 8 [8 - **8**] - Great forest of the East: Grandidier Collection, The: MCZ: 1 [1 - **1** - **17**].

Total Specimens for 1 January 1917: 17

11 January 1917

Tanzania: Morogoro: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1917: 1

15 January 1917

Malawi: Chiromo: Wood, Rodney C.: KU: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1917: 1

16 January 1917

Malawi: Chiromo: Wood, Rodney C.: KU: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1917: 1

17 January 1917

Tanzania: Morogoro: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 17 January 1917: 2

20 January 1917

Tanzania: Myaiai: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1917: 1

26 January 1917

Malawi: Chiromo: Wood, Rodney C.: KU: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1917: 1

2 February 1917

South Africa: Bleskop: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1917: 1

6 February 1917

Malawi: Chiromo: Wood, Rodney C.: KU: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1917: 1

8 February 1917

Tanzania: Dar es Salaam: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1917: 1

11 February 1917

South Africa: Leydsdorp: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1917: 1

14 February 1917

Tanzania: Morogoro: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 14 February 1917: 2

28 February 1917

South Africa: Venterskroon: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1917: 1

8 March 1917

Malawi: Chiromo: Wood, Rodney C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1917: 1

23 March 1917

Malawi: Chiromo: Wood, Rodney C.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 March 1917: 2

24 March 1917

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1917: 1

25 March 1917

South Africa: Venterskroon: Roberts, Austin: TM: 2 [2 - **2** - **2**].

Total Specimens for 25 March 1917: 2

29 March 1917

Tanzania: Morogoro: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1917: 1

30 March 1917

South Africa: Venterskroon: ?: Collector Unknown: TM: 10 [10]; Roberts, Austin: TM: 5 [5 - **15** - **15**].

Total Specimens for 30 March 1917: 15

2 April 1917

Tanzania: Morogoro: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1917: 1

3 April 1917

Tanzania: Morogoro: Loveridge, Arthur: BMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 3 April 1917: 2

21 April 1917

Tanzania: Kongwa: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 21 April 1917: 2

5 June 1917

South Africa: Fountains: ?: Collector Unknown: TM: 3 [3 - **3**] - Fountains Valley: ?: Collector Unknown: TM: 1 [1 - **1** - **4**].

Total Specimens for 5 June 1917: 4

6 June 1917

South Africa: Irene: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Total Specimens for 6 June 1917: 4

9 June 1917

South Africa: Farm Baviaanspoort: ?: Collector Unknown: TM: 7 [7 - **7**] - Farm Baviaanspoort 330: Roberts, Austin: TM: 5 [5 - **5** - **12**].

Total Specimens for 9 June 1917: 12

14 June 1917

South Africa: Pretoria: Roberts, Austin: TM: 1 [1 - **1**] - Schurweberg: ?: Collector Unknown: TM: 5 [5 - **5**] - Wolvegatten: ?: Collector Unknown: TM: 1 [1 - **1** - **7**].

Total Specimens for 14 June 1917: 7

19 June 1917

Gabon: Omboue: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1917: 1

20 June 1917

Gabon: Omboue: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1917: 1

25 June 1917

Tanzania: Morogoro: Lang, Herbert; Chapman; Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 25 June 1917: 2

29 June 1917

South Africa: Wonderboom Cave: Roberts, Austin: TM: 2 [2 - **2** - **2**].

Total Specimens for 29 June 1917: 2

5 July 1917

Gabon: Omboue: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1917: 1

13 July 1917

Tanzania: Morogoro: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 13 July 1917: 2

17 July 1917

South Africa: Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1917: 1

24 July 1917

South Africa: Tweespruit: Carlisle, J.S.: TM: 5 [5 - **5** - **5**].

Total Specimens for 24 July 1917: 5

6 August 1917

Gabon: Omboue: Aschemeier, Charles R.: USNM: 12 [12 - **12** - **12**].

Total Specimens for 6 August 1917: 12

7 August 1917

Gabon: Omboue: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1917: 1

12 August 1917

Malawi: Mitondo [= Mtondo]: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1917: 1

16 August 1917

Gabon: Omboue: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1917: 1

1 September 1917

South Africa: Farm Baviaanspoort: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1917: 1

15 September 1917

Tanzania: Morogoro: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1917: 1

16 September 1917

South Africa: Lormarins: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin; Adendorff: TM: 1 [1 - **2** - **2**].

Total Specimens for 16 September 1917: 2

29 September 1917

South Africa: Klaver: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin; Adendorff: TM: 1 [1 - **2** - **2**].

Total Specimens for 29 September 1917: 2

30 September 1917

South Africa: Klaver: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin; Adendorff: TM: 1 [1 - **2** - **2**].

Total Specimens for 30 September 1917: 2

1 October 1917

South Africa: Klaver: Roberts, Austin; Adendorff: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1917: 1

4 October 1917

South Africa: Klaver: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 4 October 1917: 3

8 October 1917

Tanzania: Morogoro: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 8 October 1917: 2

10 October 1917

Gabon: Omboue: Aschemeier, Charles R.: USNM: 4 [4 - **4** - **4**].
South Africa: Klaver: Roberts, Austin; Adendorff: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1917: 5

11 October 1917

Gabon: Omboue: Aschemeier, Charles R.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 11 October 1917: 4

12 October 1917

Gabon: Omboue: Aschemeier, Charles R.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 12 October 1917: 10

25 October 1917

Gabon: Fernan Vaz: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1917: 1

1 November 1917

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1917: 1

4 November 1917

South Africa: Klaver: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1917: 1

11 November 1917

Tanzania: Morogoro: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1917: 1

15 November 1917

South Africa: Saldanha Bay: Roberts, Austin; Adendorff: TM: 3 [3 - **3** - **3**].

Total Specimens for 15 November 1917: 3

16 November 1917

Gabon: Rembo Kotou: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1917: 1

21 November 1917

South Africa: Berg River: ?: Collector Unknown: TM: 4 [4 - **4**] - Farm Kersefontein [=Berg River]: ?: Collector Unknown: TM: 1 [1 - **1** - **5**].

Total Specimens for 21 November 1917: 5

23 November 1917

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1917: 1

16 December 1917

Gabon: Mperi: Aschemeier, Charles R.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 16 December 1917: 2

1 January 1918

Libya: Tripoli: Taubert; Chodat: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1918: 1

11 January 1918

Kenya: Maragoro: Loveridge, Arthur: AMNH: 1 [1 - **1** - **1**].
Tanzania: Morogoro: Beebe, Charles William ("Will"): AMNH: 2 [2 - **2** - **2**].

Total Specimens for 11 January 1918: 3

8 February 1918

Gabon: Ntyonga: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1918: 1

13 February 1918

Tanzania: Morogoro: Loveridge, Arthur: USNM: 4 [4 - **4** - **4**].

Total Specimens for 13 February 1918: 4

14 February 1918

South Africa: KwaZulu-Natal province: Bell, H.W.; Karley: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1918: 1

19 February 1918

South Sudan: Mongalla: Hamilton, J.M.: FMNH: 1 [1]; Hamilton, J.M. or J.V.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 19 February 1918: 2

21 February 1918

South Sudan: Mongalla: Hamilton, J.M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1918: 1

23 February 1918

South Sudan: Mongalla: Hamilton, J.M. or J.V.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1918: 1

10 March 1918

Tanzania: Morogoro: Beebe, Charles William ("Will"): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1918: 1

24 March 1918

South Sudan: Kongor: Hamilton, J.S.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1918: 1

25 March 1918

Gabon: Ntyonga: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].
South Sudan: Kongor: Hamilton, J.M.: FMNH: 2 [2]; Hamilton, J.S.: BMNH: 3, KM: 2 [5 - **7** - **7**].

Total Specimens for 25 March 1918: 8

28 March 1918

South Sudan: Kongor: Hamilton, J.S.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1918: 1

6 April 1918

Kenya: Norogoro: Loveridge, Arthur: USNM: 2 [2 - **2** - **2**].
Tanzania: Morogoro: Beebe, Charles William ("Will"): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1918: 3

12 April 1918

South Sudan: Duk Fagul: Hamilton, W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1918: 1

2 May 1918

South Sudan: Bor: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1918: 1

3 May 1918

South Sudan: Bor: Hamilton, J.V.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1918: 1

7 May 1918

Malawi: Chiromo: Wood, Rodney C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1918: 1

14 May 1918

Cameroon: Lolodorf: Reis, J.A.: CM: 2 [2 - **2** - **2**].

Total Specimens for 14 May 1918: 2

20 May 1918

Kenya: Frere Town: Loveridge, Arthur: MCZ: 2 [2 - **2**] - Mombasa: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Mombassa: Loveridge, Arthur; Swaythling, Ld.: BMNH: 1 [1 - **1** - **4**].

Total Specimens for 20 May 1918: 4

30 May 1918

Kenya: Mombasa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1918: 1

6 June 1918

Tanzania: Dar es Salaam: Pomeroy, A.W.J.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 6 June 1918: 4

13 June 1918

South Sudan: Mongalla: Wellcome Research Laboratories, The: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1918: 1

25 June 1918

Tanzania: Dar es Salaam: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1918: 1

6 July 1918

Gabon: Anguanamo: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1918: 1

18 July 1918

Tanzania: Morogoro: Beebe, Charles William ("Will"): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1918: 1

20 July 1918

Mozambique: Lumbo: Loveridge, Arthur: BMNH: 2, MCZ: 1 [3 - **3** - **3**].

Total Specimens for 20 July 1918: 3

29 July 1918

Gabon: Anguanamo: Aschemeier, Charles R.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 29 July 1918: 3

26 August 1918

Malawi: Chiromo: Wood, Rodney C.: KU: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1918: 1

1 October 1918

South Africa: Farm Waterval: Jeppe, Carl: TM: 1 [1 - **1**] - Lydenburg: Naude, P.: TM: 1 [1 - **1** - **2**].

Total Specimens for 1 October 1918: 2

12 October 1918

Namibia: Namutoni: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1918: 1

22 November 1918

Tanzania: Morogoro: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1918: 1

9 December 1918

Tanzania: Tabora: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1918: 1

23 December 1918

South Africa: Shingwedzi camp: Streeter, F.: TM: 1 [1 - **1**] - Shingwidzi Game Reserve: Streeter, F.: TM: 1 [1 - **1** - **2**].

Total Specimens for 23 December 1918: 2

15 January 1919

Congo (Democratic Republic of the): Léopoldville: Fiasse, R.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 January 1919: 2

20 January 1919

Tanzania: Dar es Salaam: Loveridge, Arthur: BMNH: 2, MCZ: 2 [4 - **4** - **4**].

Total Specimens for 20 January 1919: 4

6 February 1919

South Africa: Shingwedzi camp: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1919: 1

14 February 1919

Zambia: Ndola: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1919: 1

13 March 1919

Gabon: Cape Lopez: Aschemeier, Charles R.: USNM: 89 [89 - **89** - **89**].

Total Specimens for 13 March 1919: 89

30 March 1919

South Africa: Venterskroon: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 30 March 1919: 2

31 March 1919

South Africa: Garsfontein: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1919: 1

2 April 1919

Namibia: Namutoni: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1919: 1

22 April 1919

Zambia: Ndola: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1919: 1

29 April 1919

Zambia: Ndola: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1919: 1

19 May 1919

Congo (Democratic Republic of the): Kalutenge: Seydel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1919: 1

18 June 1919

Zambia: Ndola: Shortridge, Guy Chester: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1919: 1

26 July 1919

Equatorial Guinea: Malabo, Basilé, San Fernando cave: de la Escalera, D. Manuel M.: MNCN: 2 [2 - **2** - **2**].

Total Specimens for 26 July 1919: 2

3 August 1919

Malawi: Chiromo: Wood, Rodney C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1919: 1

13 August 1919

Congo (Democratic Republic of the): Ibembo: Lebrun, Jean: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1919: 1

30 August 1919

Congo (Democratic Republic of the): Ibembo: Lebrun, Jean: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 30 August 1919: 2

1 September 1919

Zambia: North Sumbu Island: Hall, Eugene Raymond: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1919: 1

6 September 1919

South Africa: Pretoria: Roberts, Austin: TM: 2 [2 - **2** - **2**].

Total Specimens for 6 September 1919: 2

8 September 1919

Tanzania: Kisarawe: Cozens, G.P.; Swinny, H.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1919: 1

16 September 1919

Congo (Democratic Republic of the): Ibembo: Lebrun, Jean: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1919: 1

22 September 1919

Congo (Democratic Republic of the): Ibembo: Lebrun, Jean: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1919: 1

19 October 1919

South Africa: Ottoshoop: Raven, Henry Cushier: USNM: 75 [75 - **75** - **75**].

Total Specimens for 19 October 1919: 75

20 October 1919

South Africa: Ottershoop: Raven, Henry Cushier: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1919: 1

4 November 1919

Zimbabwe: Victoria Falls: Raven, Henry Cushier: USNM: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1919: 1

6 November 1919

Zimbabwe: Victoria Falls: Raven, Henry Cushier: USNM: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1919: 1

11 November 1919

Zambia: Livingstone: Raven, Henry Cushier: USNM: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1919: 1

14 November 1919

Zimbabwe: Victoria Falls: Raven, Henry Cushier: USNM: 6 [6 - **6** - **6**].

Total Specimens for 14 November 1919: 6

29 November 1919

Uganda: Entebbe, 60 mi [=90 km] W: Dent, R.E.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1919: 1

17 December 1919

South Africa: Potgietersrus: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1919: 1

19 December 1919

Nigeria: Parniso: Buchanan, Angus: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1919: 1

23 December 1919

Nigeria: Farniso: Buchanan, Angus: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1919: 1

26 December 1919

Nigeria: Lagos: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1919: 1

31 December 1919

South Africa: Garsfontein: ?: Collector Unknown: TM: 18 [18]; Roberts, Austin: TM: 17 [17 - **35** - **35**].

Total Specimens for 31 December 1919: 35

1 January 1920

Cameroon: Sakbayeme: Schwab, George W.: FMNH: 1, MCZ: 13 [14 - **14** - **14**].
Congo (Democratic Republic of the): Kikwit: Vanderijst, R.P.: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Dire Dawa: Brown, Barnum: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1920: 16

7 January 1920

Nigeria: Lagos: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1920: 1

28 January 1920

Malawi: Thyolo: Wood, Rodney C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1920: 1

30 January 1920

Niger: Zinder: Buchanan, Angus: BMNH: 1 [1]; Buchanan, Angus; Rothschild, Nathanial Charles: BMNH: 2 [2 - **3** - **3**].

Total Specimens for 30 January 1920: 3

16 February 1920

South Africa: Garsfontein: ?: Collector Unknown: TM: 7 [7 - **7** - **7**].

Total Specimens for 16 February 1920: 7

17 February 1920

Cameroon: Kribi: Reis, J.A.: CM: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1920: 1

21 February 1920

Algeria: Djamaa: Jordan, Karl: MNHN: 1 [1 - **1** - **1**].
Sudan: Khor Mallum: Lynes, J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1920: 2

25 February 1920

Algeria: Djamaa: Jordan, Karl: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1920: 1

28 February 1920

Burundi: Nyanza: Raven, Henry Cushier: USNM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1920: 1

14 March 1920

South Africa: Louw's Creek: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1920: 1

19 March 1920

South Africa: Barberton: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 19 March 1920: 3

20 March 1920

South Africa: Barberton: ?: Collector Unknown: TM: 2 [2 - **2**] - Malelane: ?: Collector Unknown: TM: 1 [1 - **1**] - Potgietersrus: ?: Collector Unknown: TM: 1 [1 - **1** - **4**].

Total Specimens for 20 March 1920: 4

23 March 1920

South Africa: Barberton: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 23 March 1920: 2

26 March 1920

South Africa: Louw's Creek: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1920: 1

28 March 1920

South Africa: Louw's [=Lowes] Creek: Roberts, Austin: TM: 1 [1 - **1**] - Louw's [=Lowes] Creek, Imperial mine: Roberts: TM: 1 [1]; Roberts, Austin: TM: 5 [5 - **6**] - Louw's Creek: ?: Collector Unknown: TM: 12 [12 - **12**] - Louw's Creek, Imperial Mine: ?: Collector Unknown: TM: 4 [4 - **4** - **23**].

Total Specimens for 28 March 1920: 23

29 March 1920

South Africa: Louw's Creek: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 29 March 1920: 2

30 March 1920

South Africa: Kruger-N.P., Malelane: Roberts, Austin: TM: 1 [1 - **1**] - Malelane: ?: Collector Unknown: TM: 12 [12 - **12**] - Malelane Estate: Roberts, Austin: TM: 1 [1 - **1** - **14**].

Total Specimens for 30 March 1920: 14

2 April 1920

Tanzania: Dar es Salaam: Raven, Henry Cushier: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1920: 1

6 April 1920

Congo (Democratic Republic of the): Nyangwe: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1920: 1

17 April 1920

Tanzania: Kilimanjaro, Mount: Raven, Henry Cushier: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 April 1920: 1

22 April 1920

Botswana: Molepolole: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1920: 1

3 May 1920

South Africa: Birthday Goldmine: Streeter, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1920: 1

10 May 1920

Tanzania: Kilosa: Loveridge, Arthur: KM: 2 [2 - **2** - **2**].

Total Specimens for 10 May 1920: 2

27 May 1920

South Africa: Nelspruit: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1920: 1

7 June 1920

Uganda: Masindi: Raven, Henry Cushier: USNM: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1920: 1

10 June 1920

South Africa: Bothaville: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1920: 1

3 July 1920

South Africa: Farm Nakaetsi 376: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1920: 1

5 July 1920

Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 5 July 1920: 2

9 July 1920

Uganda: Unknown locality: Raven, Henry Cushier: USNM: 1 [1 - **1**] - Nabea: Raven, Henry Cushier: USNM: 1 [1 - **1** - **2**].

Total Specimens for 9 July 1920: 2

11 July 1920

Uganda: Nabea: Raven, Henry Cushier: USNM: 13 [13 - **13** - **13**].

Total Specimens for 11 July 1920: 13

12 July 1920

Uganda: Nabea: Raven, Henry Cushier: USNM: 6 [6 - **6** - **6**].

Total Specimens for 12 July 1920: 6

13 July 1920

Uganda: Nabea: Raven, Henry Cushier: USNM: 9 [9 - **9** - **9**].

Total Specimens for 13 July 1920: 9

14 July 1920

Uganda: Nabea: Raven, Henry Cushier: USNM: 5 [5 - **5** - **5**].

Total Specimens for 14 July 1920: 5

17 July 1920

South Africa: Farm Duiwelskloof 376 [=Mokeetsi]: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1920: 1

25 July 1920

Congo (Democratic Republic of the): Banana: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 July 1920: 2

26 July 1920

Congo (Democratic Republic of the): Banana: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1920: 1

1 August 1920

Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 1 August 1920: 4

2 August 1920

Ethiopia: Addis Abeba: Brown, Barnum: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 August 1920: 2

18 August 1920

Congo (Democratic Republic of the): Moanda: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 18 August 1920: 3

19 August 1920

Congo (Democratic Republic of the): Moanda: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1920: 1

20 August 1920

Cameroon: Lolodorf: Good, A.I.: CM: 2 [2 - **2** - **2**].

Total Specimens for 20 August 1920: 2

21 August 1920

Congo (Democratic Republic of the): Moanda: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 21 August 1920: 3

23 August 1920

Tanzania: Kilossa: Loveridge, Arthur: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1920: 1

31 August 1920

Tanzania: Kilossa: Loveridge, Arthur: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1920: 1

17 September 1920

Cameroon: Sakbayeme: Schwab, George W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1920: 1

20 September 1920

Ethiopia: Dire Dawa: Brown, Barnum: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1920: 1

1 October 1920

Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 2 [2 - **2**] - Moanda: Schouteden, Henri: RMCA: 1 [1 - **1** - **3**].
Ethiopia: Barzala CavE: Brown, Barnum: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1920: 4

7 October 1920

Ethiopia: Barzala CavE: Brown, Barnum: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 7 October 1920: 2

16 October 1920

Congo (Democratic Republic of the): Kisala: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 October 1920: 1

5 November 1920

Ethiopia: Harrar: Brown, Barnum: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 November 1920: 2

20 November 1920

Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 20 November 1920: 2

21 November 1920

Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 21 November 1920: 3

23 November 1920

Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 14 [14 - **14** - **14**].
Egypt: Gizeh: Gizya, E.Z.S.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1920: 15

24 November 1920

Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 24 November 1920: 7

25 November 1920

Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1920: 1

26 November 1920

Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1920: 1

28 November 1920

Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1920: 1

30 November 1920

South Africa: Malelane: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1920: 1

11 December 1920

Congo (Democratic Republic of the): Kisantu: Schouteden, Henri: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 11 December 1920: 4

12 December 1920

Congo (Democratic Republic of the): Kisantu: Schouteden, Henri: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 12 December 1920: 4

15 December 1920

Congo (Democratic Republic of the): Kisantu: Schouteden, Henri: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 15 December 1920: 5

18 December 1920

Congo (Democratic Republic of the): Kisantu: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1920: 1

19 December 1920

Congo (Democratic Republic of the): Kisantu: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 19 December 1920: 3

20 December 1920

Somalia: Hargeisa: Brown, Barnum: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1920: 1

21 December 1920

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 21 December 1920: 1

27 December 1920

Congo (Democratic Republic of the): Kisantu: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1920: 1

1 January 1921

Congo (Democratic Republic of the): Unknown locality: Verlaine: RMCA: 1 [1 - **1**] - Eala: Schouteden, Henri: RMCA: 1 [1]; Verlaine: RMCA: 1 [1 - **2**] - Equateur province: Verlaine: RMCA: 15 [15 - **15**] - N'Gombe: Schouteden, Henri: RMCA: 2 [2 - **2**] - Tshikapa: Schouteden, Henri: RMCA: 1 [1 - **1** - **21**].

Total Specimens for 1 January 1921: 21

2 January 1921

Congo (Democratic Republic of the): Eala: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 2 January 1921: 2

3 January 1921

Congo (Democratic Republic of the): Eala: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1921: 1

4 January 1921

Congo (Democratic Republic of the): Eala: Schouteden, Henri: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 4 January 1921: 4

5 January 1921

Congo (Democratic Republic of the): Eala: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 5 January 1921: 2

8 January 1921

Tanzania: Kilossa: Loveridge, Arthur: AMNH: 12 [12 - **12** - **12**].

Total Specimens for 8 January 1921: 12

24 January 1921

Congo (Democratic Republic of the): Eala: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1921: 1

26 January 1921

Tanzania: Kilossa: Loveridge, Arthur: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1921: 1

4 February 1921

Niger: Unknown locality: Milet-Horsin, M.: MNHN: 1 [1 - **1** - **1**].
Tanzania: Kilossa: Loveridge, Arthur: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1921: 2

11 February 1921

South Africa: Leydsdorp, unspecified location: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1921: 1

15 February 1921

Congo (Democratic Republic of the): Ikengo: Schouteden, Henri: RMCA: 1 [1 - **1**] - Lubumbashi: Bequaert, J.: RMCA: 5 [5 - **5** - **6**].

Total Specimens for 15 February 1921: 6

16 February 1921

Congo (Democratic Republic of the): Ikengo: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1921: 1

17 February 1921

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1921: 1

19 February 1921

Congo (Democratic Republic of the): Tondu: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1921: 1

23 February 1921

Congo (Democratic Republic of the): Tondu: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1921: 1

24 February 1921

Congo (Democratic Republic of the): Tondu: Schouteden, Henri: RMCA: 7 [7 - **7** - **7**].
Tanzania: Kilossa: Loveridge, Arthur: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1921: 8

26 February 1921

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 5 [5 - **5** - **5**].

Total Specimens for 26 February 1921: 5

27 February 1921

Congo (Democratic Republic of the): Bikoro: Schouteden, Henri: RMCA: 7 [7 - **7**] - Bokungu: Schouteden, Henri: RMCA: 1 [1 - **1** - **8**].

Total Specimens for 27 February 1921: 8

1 March 1921

Congo (Democratic Republic of the): Eala: ?: Collector Unknown: RMCA: 1 [1 - **1**] - Kunungu: Schouteden, Henri: RMCA: 2 [2 - **2** - **3**].
Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Uluguru mountains: Loveridge, Arthur: MCZ: 13 [13 - **13** - **14**].

Total Specimens for 1 March 1921: 17

2 March 1921

Congo (Democratic Republic of the): Bikoro: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1921: 1

15 March 1921

Congo (Democratic Republic of the): Eala: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 March 1921: 2

26 March 1921

Tanzania: Kilossa: Loveridge, Arthur: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1921: 1

27 March 1921

Congo (Democratic Republic of the): Bolobo: Schouteden, Henri: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 27 March 1921: 12

1 April 1921

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1921: 1

5 April 1921

Sudan: Jebel Marra, S foothills: Lynes, Hubert; Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1921: 1

9 April 1921

Congo (Democratic Republic of the): Kunungu: Schouteden, Henri: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 9 April 1921: 14

11 April 1921

Congo (Democratic Republic of the): Mongende: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 11 April 1921: 3

16 April 1921

South Africa: Knysna: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1921: 1

21 April 1921

South Sudan: Mongalla: Shaw, A.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 April 1921: 2

1 May 1921

South Africa: Farm Mokeetsi 376: ?: Collector Unknown: TM: 2 [2 - **2**] - Pietersburg: ?: Collector Unknown: TM: 2 [2 - **2** - **4**].

Total Specimens for 1 May 1921: 4

12 May 1921

Congo (Democratic Republic of the): Moera: Gyldenstolpe, Nils Carl Gustaf Fersen; Swiss Mission: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1921: 1

20 May 1921

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 May 1921: 1

24 May 1921

Congo (Democratic Republic of the): Kwamouth: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 24 May 1921: 3

28 May 1921

Sudan: Zalingei: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 May 1921: 1

29 May 1921

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kwamouth: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 May 1921: 2

30 May 1921

Sudan: Zalingei: Lowe, Willoughby P.: BMNH: 1 [1]; Lynes, Hubert; Lowe, Willoughby P.: BMNH: 1 [1 - **2** - **2**].

Total Specimens for 30 May 1921: 2

31 May 1921

Sudan: Zalingei: Lowe, Willoughby P.: BMNH: 1 [1]; Lynes, Hubert; Lowe, Willoughby P.: BMNH: 1 [1 - **2** - **2**].

Total Specimens for 31 May 1921: 2

2 June 1921

Congo (Democratic Republic of the): Kwamouth: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 2 June 1921: 2

7 June 1921

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1921: 1

8 June 1921

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1921: 1

17 June 1921

Congo (Democratic Republic of the): Kwamouth: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].
Tanzania: Kilosa: Loveridge, Arthur: MCZ: 2 [2 - **2**] - Kilossa: Loveridge, Arthur: AMNH: 1 [1 - **1** - **3**].

Total Specimens for 17 June 1921: 4

23 June 1921

Tanzania: Kilossa: Loveridge, Arthur: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1921: 1

9 July 1921

South Africa: Zwolls Estate: James, M.C.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1921: 1

15 July 1921

Tanzania: Kilossa: Loveridge, Arthur: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1921: 1

19 July 1921

Congo (Democratic Republic of the): Basongo: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 19 July 1921: 2

23 July 1921

South Africa: Rosslyn: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1921: 1

1 August 1921

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 7 [7 - **7** - **7**].

Total Specimens for 1 August 1921: 7

9 August 1921

South Africa: Farm Baviaanspoort 330: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1921: 1

15 August 1921

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1921: 1

19 August 1921

Congo (Democratic Republic of the): Luebo: Schouteden, Henri: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 19 August 1921: 4

21 August 1921

Congo (Democratic Republic of the): Luebo: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1921: 1

26 August 1921

Congo (Democratic Republic of the): Luebo: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1921: 1

1 September 1921

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 4 [4 - **4** - **4**].

Total Specimens for 1 September 1921: 4

10 September 1921

Congo (Democratic Republic of the): Luebo: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1921: 1

16 September 1921

South Africa: Farm Duiwelskloof 376 [=Mokeetsi]: Streeter, F.: TM: 4 [4 - **4** - **4**].

Total Specimens for 16 September 1921: 4

21 September 1921

Congo (Democratic Republic of the): Macaco: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1921: 1

29 September 1921

Congo (Democratic Republic of the): Macaco: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1921: 1

16 October 1921

Congo (Democratic Republic of the): Kabambaie: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 16 October 1921: 2

20 October 1921

South Africa: New Mucelneuck: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1921: 1

25 October 1921

Congo (Democratic Republic of the): Tshikapa: Schouteden, Henri: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 25 October 1921: 4

28 October 1921

Tanzania: Mkalama: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1921: 1

31 October 1921

Central African Republic: Ouham area: Baudon, A.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1921: 1

1 November 1921

South Africa: Garsfontein: ?: Collector Unknown: TM: 9 [9 - **9** - **9**].

Total Specimens for 1 November 1921: 9

9 November 1921

Congo (Democratic Republic of the): N'Gombe: Schouteden, Henri: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 9 November 1921: 7

10 November 1921

Congo (Democratic Republic of the): N'Gombe: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1921: 1

12 November 1921

Congo (Democratic Republic of the): N'Gombe: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 12 November 1921: 2

16 November 1921

Congo (Democratic Republic of the): Tshikapa: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1921: 1

17 November 1921

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 10 [10 - **10** - **10**].

Total Specimens for 17 November 1921: 10

20 November 1921

Congo (Democratic Republic of the): Tshikapa: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1921: 1

24 November 1921

Congo (Democratic Republic of the): Tshikapa: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].
South Africa: American cave: Hoepen, V.: TM: 1 [1]; van Hoepen: TM: 2 [2 - **3**] - John Nash Nature Reserve: ?: Collector Unknown: TM: 4 [4 - **4** - **7**].

Total Specimens for 24 November 1921: 8

25 November 1921

South Africa: Pretoria North: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1921: 1

26 November 1921

Congo (Democratic Republic of the): Tshikapa: Schouteden, Henri: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 26 November 1921: 5

28 November 1921

Congo (Democratic Republic of the): Tshikapa: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1921: 1

1 December 1921

Congo (Democratic Republic of the): Lusambo: Ghesquière, J.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 1 December 1921: 4

3 December 1921

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1921: 1

11 December 1921

South Africa: Brooklyn: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 11 December 1921: 2

13 December 1921

Congo (Democratic Republic of the): Luebo: Schouteden, Henri: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 13 December 1921: 11

15 December 1921

Congo (Democratic Republic of the): Luebo: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 December 1921: 2

16 December 1921

Congo (Democratic Republic of the): Luebo: Schouteden, Henri: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 16 December 1921: 5

17 December 1921

Congo (Democratic Republic of the): Luebo: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1921: 1

19 December 1921

Congo (Democratic Republic of the): Luebo: Schouteden, Henri: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 19 December 1921: 7

25 December 1921

Congo (Democratic Republic of the): Lusambo: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 December 1921: 1

1 January 1922

Cameroon: Sakbayeme: Schwab, George W.: MCZ: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Boma: Schouteden, Henri: RMCA: 3 [3 - **3**] - Kunungu: Ngwe: RMCA: 25 [25]; Schouteden, Henri: RMCA: 1 [1 - **26**] - Lusambo: Ghesquière, J.: RMCA: 1 [1 - **1**] - Makaia N'Tete: Schouteden, Henri: RMCA: 8 [8 - **8** - **38**].
Tunisia: Gabès: Sicard: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1922: 41

3 January 1922

South Africa: Groenkloof: Roberts, Austin: TM: 4 [4 - **4** - **4**].

Total Specimens for 3 January 1922: 4

6 January 1922

South Africa: Farm Mokeetsi 376: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Uitkyk: van Son, G.: TM: 1 [1 - **1**] - Soutpansberg: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

Total Specimens for 6 January 1922: 3

18 January 1922

Cameroon: Edéa: Reis, J.A.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1922: 2

20 January 1922

South Africa: Kastrol Nek: Roberts, Austin: TM: 3 [3 - **3** - **3**].

Total Specimens for 20 January 1922: 3

24 January 1922

Tanzania: Tindiga: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1922: 1

6 February 1922

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1922: 1

16 February 1922

South Africa: Durban: Bell, H.W.; Karley: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1922: 1

17 February 1922

Congo (Democratic Republic of the): Kidada: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1922: 1

18 February 1922

Cameroon: Bitye: Bates, George Latimer; Rosenberg, G.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1922: 1

19 February 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1922: 1

20 February 1922

Congo (Democratic Republic of the): Kidada: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 20 February 1922: 2

21 February 1922

Congo (Democratic Republic of the): Kidada: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1922: 1

24 February 1922

South Africa: Farm Nakaetsi 376: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1922: 1

3 March 1922

Cameroon: Edéa: Reis, J.A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1922: 1

4 March 1922

Cameroon: Bitye: Wernham, J. or G.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 March 1922: 1

8 March 1922

Congo (Democratic Republic of the): Temvo: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1922: 1

12 March 1922

South Africa: Brooklyn: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1922: 2

22 March 1922

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].
Egypt: Gîza: Flower, Stanley Smyth: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1922: 2

24 March 1922

South Africa: Farm Duiwelskloof 376 [=Mokeetsi]: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1922: 1

26 March 1922

South Africa: King Williamstown: Shortridge, Guy Chester: KM: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1922: 1

28 March 1922

Cameroon: Bitye: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].
Egypt: Gîza: Flower, Stanley Smyth: BMNH: 1 [1 - **1** - **1**].
South Africa: Moketsi: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1922: 3

30 March 1922

Congo (Democratic Republic of the): Makaia N'Tete: Schouteden, Henri: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 30 March 1922: 10

5 April 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1922: 1

10 April 1922

Cameroon: Bitye: Wernham, J. or G.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1922: 1

13 April 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1922: 1

15 April 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 15 April 1922: 4

16 April 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 16 April 1922: 2

26 April 1922

South Africa: Koster Cave: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1922: 1

3 May 1922

South Africa: Loster: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1922: 1

5 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 5 May 1922: 5

6 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].
South Africa: Farm Mokeetsi 376: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Tanzania: Bagilo: Loveridge, Arthur: MCZ: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 6 May 1922: 5

8 May 1922

South Africa: Farm Mokeetsi 376: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1922: 1

9 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1922: 1

10 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1922: 1

11 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 11 May 1922: 4

15 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1922: 1

16 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 16 May 1922: 2

19 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1922: 1

22 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1922: 1

28 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: BMNH: 1, RMCA: 3 [4 - **4** - **4**].

Total Specimens for 28 May 1922: 4

29 May 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 May 1922: 1

3 June 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1922: 1

4 June 1922

Ethiopia: Bahr dar Giorgis: Mitchell, J.P.: BMNH: 1 [1 - **1**] - Bahr der Giorgis: Mitchell, J.P.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 4 June 1922: 2

6 June 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1922: 1

7 June 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 7 June 1922: 2

8 June 1922

South Africa: Mtambanana: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Tanzania: Zanzibar: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1922: 2

11 June 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 11 June 1922: 4

13 June 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 13 June 1922: 2

16 June 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].
South Africa: Ntambanana: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1922: 2

18 June 1922

South Africa: Umfolozi Game Reserve: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin: TM: 1 [1 - **2** - **2**].

Total Specimens for 18 June 1922: 2

19 June 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].
South Africa: Umfolozi Game Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1922: 2

20 June 1922

South Africa: Umfolozi Game Reserve: Roberts, Austin: TM: 2 [2 - **2** - **2**].

Total Specimens for 20 June 1922: 2

22 June 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1922: 1

26 June 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 26 June 1922: 2

28 June 1922

South Africa: Umfolozi Game Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1922: 1

4 July 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1922: 1

6 July 1922

Tanzania: Bagilo: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1922: 1

17 July 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 3 [3 - **3** - **3**].
South Africa: Umfolozi River: ?: Collector Unknown: TM: 1 [1 - **1**] - White Umfolosi River: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 17 July 1922: 5

18 July 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1922: 1

19 July 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1922: 1

20 July 1922

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1922: 1

27 July 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].
Niger: Tebeig Asben: Buchanan, Angus: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1922: 2

15 August 1922

Congo (Democratic Republic of the): Boma: Rodhain, J.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 15 August 1922: 4

19 September 1922

South Africa: Umfolozi Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 September 1922: 1

23 September 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1922: 1

26 September 1922

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1922: 1

3 October 1922

Tanzania: Ikungi: Loveridge, Arthur: BMNH: 1 [1 - **1**] - Suna: Loveridge, Arthur: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 3 October 1922: 2

17 October 1922

Namibia: Quickborn: Bradfield, R.D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1922: 1

18 October 1922

South Africa: Barberton [=Umhlumna]: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1922: 1

20 October 1922

Tanzania: Muansa [=Mwanza]: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 20 October 1922: 2

30 October 1922

Tanzania: Muansa [=Mwanza]: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 30 October 1922: 2

1 November 1922

Congo (Democratic Republic of the): Kikwit: Rodhain, J.: RMCA: 2 [2 - **2** - **2**].
Namibia: Quickborn: Bradfield, R.D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1922: 3

4 November 1922

Tanzania: Sagaya: Loveridge, Arthur: BMNH: 5 [5 - **5** - **5**].

Total Specimens for 4 November 1922: 5

8 November 1922

Cameroon: Edéa: Reis, J.A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1922: 1

19 November 1922

Kenya: Kisumu: Loveridge, Arthur: FMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 19 November 1922: 2

23 November 1922

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 23 November 1922: 4

26 November 1922

Congo (Democratic Republic of the): Luluabourg: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 26 November 1922: 2

9 December 1922

Cameroon: Lolodorf: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1922: 1

13 December 1922

South Africa: Orange River, near south bank: Shortridge, Guy Chester: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1922: 1

1 January 1923

Congo (Democratic Republic of the): Luisa: Achten: RMCA: 1 [1 - **1** - **1**].
Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Mbulu: Clark, James ("Jamie") L.: AMNH: 1 [1 - **1** - **2**].
Uganda: Kampala: Phillips, John Charles: MCZ: 5 [5 - **5**] - Lake Edward: Phillips, John Charles: MCZ: 2 [2 - **2** - **7**].
Zimbabwe: Selukwe: Ellenberger, B.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1923: 11

6 January 1923

Ethiopia: Torat: ?: Collector Unknown: MSNM: 2 [2 - **2** - **2**].

Total Specimens for 6 January 1923: 2

16 January 1923

"Africa": Woodbush: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1923: 1

27 January 1923

Congo (Democratic Republic of the): Inkongo: Wilson, H.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 27 January 1923: 2

2 February 1923

Congo (Democratic Republic of the): Inkongo: Wilson, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1923: 1

4 February 1923

South Africa: Greytown: Bell, H.W.; Karley: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1923: 1

6 February 1923

Ethiopia: Torat: ?: Collector Unknown: MSNM: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1923: 1

15 February 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 February 1923: 2

17 February 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1923: 1

19 February 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 6 [6 - **6** - **6**].

South Sudan: Mongalla: El Rayah, M.A.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 19 February 1923: 8

23 February 1923

Cameroon: Bitye: Wernham, J. or G.: BMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].
Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1923: 3

26 February 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1923: 1

27 February 1923

Tanzania: Imbala: Loveridge, Arthur: KU: 1 [1 - **1**] - Kilosa: Loveridge, Arthur: MCZ: 5 [5 - **5**] - Mbala: Loveridge, Arthur: USNM: 1 [1 - **1** - **7**].

Total Specimens for 27 February 1923: 7

11 March 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1923: 1

12 March 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].
South Sudan: Mongalla: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1923: 2

17 March 1923

South Africa: Farm 489, Hennops River: Roberts, Austin; Coombs, C.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1923: 1

27 March 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1923: 1

28 March 1923

South Africa: Pietermaritzburg, 16 km NNE: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1923: 1

31 March 1923

Namibia: Quickborn: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1923: 1

5 April 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1923: 1

11 April 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1923: 1

23 April 1923

Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1923: 1

1 May 1923

Tanzania: Kilosa: Loveridge, Arthur: FMNH: 2, MCZ: 2, USNM: 1 [5 - **5** - **5**].

Total Specimens for 1 May 1923: 5

3 May 1923

Tanzania: Kilosa: Loveridge, Arthur: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1923: 1

4 May 1923

Tanzania: Kilosa: Loveridge, Arthur: BMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 4 May 1923: 2

5 May 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1923: 1

8 May 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].
Tanzania: Kilosa: Loveridge, Arthur: BMNH: 1, FMNH: 8, MCZ: 3, USNM: 3 [15 - **15** - **15**].

Total Specimens for 8 May 1923: 16

10 May 1923

Tanzania: Kilosa: Loveridge, Arthur: BMNH: 3, FMNH: 3, MCZ: 1 [7 - **7** - **7**].

Total Specimens for 10 May 1923: 7

19 May 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1923: 1

22 May 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1923: 1

23 May 1923

Madagascar: Monjakatompo: Rand, Austin Loomer: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1923: 1

31 May 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1923: 1

1 June 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1923: 1

2 June 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1923: 1

3 June 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].
Tanzania: Kilosa: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1923: 2

7 June 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1923: 1

19 June 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 19 June 1923: 2

27 June 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 27 June 1923: 3

28 June 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1923: 1

1 August 1923

Congo (Democratic Republic of the): Lukolela: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1923: 1

17 August 1923

Tanzania: Pemba island: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Zanzibar: Loveridge, Arthur: MCZ: 2 [2 - **2** - **3**].

Total Specimens for 17 August 1923: 3

18 August 1923

Tanzania: Inkoani: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1923: 1

21 August 1923

South Africa: Farm 489, Hennops River: Coombs, C.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1923: 1

1 September 1923

Congo (Democratic Republic of the): Lukolela: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1923: 1

15 September 1923

Tanzania: Chakechake: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1923: 1

17 September 1923

Tanzania: Pemba island: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1923: 1

20 September 1923

Tanzania: Ole: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1923: 1

22 September 1923

Zimbabwe: Selenda, mount: Streeter, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1923: 1

25 September 1923

Zimbabwe: Silinda, mount: Streeter, F.: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 September 1923: 1

2 October 1923

Egypt: Seila: Flower, Stanley Smyth; Giza Zoological Museum, The: BMNH: 8 [8 - **8** - **8**].

Total Specimens for 2 October 1923: 8

12 October 1923

South Africa: Pretoria North: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1923: 1

19 October 1923

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1923: 1

29 October 1923

Namibia: Karibib: Shortridge, Guy Chester: KM: 1 [1]; Shortridge, Guy Chester; Sladen, Percy: BMNH: 2 [2 - **3** - **3**].

Total Specimens for 29 October 1923: 3

7 November 1923

Tanzania: Gulwe Station: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1923: 1

9 November 1923

Namibia: Karibib: Shortridge, Guy Chester: KM: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1923: 1

14 November 1923

Namibia: Windhoek: Shortridge, Guy Chester; Sladen, Percy: BMNH: 1 [1 - **1** - **1**].
Tanzania: Itende: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1923: 2

15 November 1923

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: RMCA: 1 [1 - **1** - **1**].
Namibia: Windhoek: Shortridge, Guy Chester: KM: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1923: 2

28 November 1923

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1923: 1

6 December 1923

Sudan: Wad Medani: Bowe, W.W.: ROM: 1 [1]; El Rayah, M.A.: ROM: 2 [2 - **3** - **3**].

Total Specimens for 6 December 1923: 3

22 December 1923

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1923: 1

1 January 1924

Cameroon: Sakbayeme: Schwab, George W.: MCZ: 2 [2 - **2** - **2**].
Sudan: White Nile: Osler, H.S.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1924: 3

6 February 1924

South Africa: Pretoria hospital: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1924: 1

7 February 1924

South Africa: Wonderboom: Roberts, Austin: TM: 2 [2 - **2** - **2**].

Total Specimens for 7 February 1924: 2

28 February 1924

Congo (Democratic Republic of the): Walikale: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1924: 1

23 March 1924

Congo (Democratic Republic of the): Musenge village: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1924: 1

24 March 1924

Congo (Democratic Republic of the): Musenge village: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1924: 1

31 March 1924

Congo (Democratic Republic of the): Kananga: Callewaert, P.: NMBA: 2 [2 - **2** - **2**].

Total Specimens for 31 March 1924: 2

1 April 1924

Congo (Democratic Republic of the): Stanleyville: Ghesquière, J.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1924: 2

3 April 1924

Sudan: S Jebel Marra, foothills: Lynes, Hubert; Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1924: 1

4 April 1924

Egypt: Abu Rawash: Alexander, Annie Montague: MVZ: 8 [8 - **8** - **8**].
South Africa: Gravelotte mines: Van Dam, G.P.: TM: 5 [5 - **5** - **5**].

Total Specimens for 4 April 1924: 13

5 April 1924

South Africa: Gravelotte mines: Van Dam, G.P.: TM: 3 [3]; van Son, G.: TM: 1 [1 - **4** - **4**].

Total Specimens for 5 April 1924: 4

14 April 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1**] - St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 14 April 1924: 2

15 April 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 3 [3 - **3** - **3**].
Namibia: Quickborn: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1924: 4

16 April 1924

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Callewaert, Richard: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1924: 1

18 April 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1924: 1

5 May 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 5 May 1924: 3

6 May 1924

Sudan: Khartoum: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1924: 1

8 May 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 May 1924: 2

10 May 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 May 1924: 2

20 May 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 May 1924: 1

28 May 1924

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: AMNH: 1 [1 - **1**] - St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 28 May 1924: 2

31 May 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 31 May 1924: 3

15 June 1924

Congo (Democratic Republic of the): Moera's Village: Heller, Edmund: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 15 June 1924: 2

19 June 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 20 [20 - **20** - **20**].

Total Specimens for 19 June 1924: 20

25 June 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1924: 1

6 July 1924

South Africa: Louisvale: Shortridge, Guy Chester: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 July 1924: 2

8 July 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1924: 1

27 July 1924

Congo (Democratic Republic of the): Catchpole's Farm: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].
Namibia: Ukualuisi: Shortridge, Guy Chester: KM: 2 [2 - **2** - **2**].

Total Specimens for 27 July 1924: 3

28 July 1924

Congo (Democratic Republic of the): Catchpole's Farm: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1924: 1

29 July 1924

Congo (Democratic Republic of the): Catchpole's Farm: Heller, Edmund: FMNH: 1 [1 - **1**] - St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 29 July 1924: 2

2 August 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 August 1924: 2

5 August 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 August 1924: 2

7 August 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 7 August 1924: 2

15 August 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1924: 1

21 August 1924

Cameroon: Sakbayeme: Reis, J.A.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 August 1924: 3

27 August 1924

Congo (Democratic Republic of the): Catchpole's Farm: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].
Namibia: Ukualuisi: Shortridge, Guy Chester; Sladen, Percy: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1924: 2

28 August 1924

Congo (Democratic Republic of the): Catchpole's Farm: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1924: 1

29 August 1924

Congo (Democratic Republic of the): Catchpole's Farm: Collins, Alfred Morris: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1924: 1

9 September 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1924: 1

24 September 1924

Namibia: Otjumbumbi: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - Ukualukasi: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 24 September 1924: 2

26 September 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].
Namibia: Cunene River: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1924: 2

5 October 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 October 1924: 1

6 October 1924

Namibia: Ukualukasi: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1924: 1

7 October 1924

Namibia: Ukualukasi: Shortridge, Guy Chester: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 7 October 1924: 2

8 October 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].
Namibia: Ukualukasi: Shortridge, Guy Chester: BMNH: 2, KM: 4 [6 - **6** - **6**].

Total Specimens for 8 October 1924: 7

9 October 1924

Namibia: Ukualukasi: Shortridge, Guy Chester: KM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1924: 1

10 October 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1924: 1

12 October 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].
Namibia: Ukualukasi: Shortridge, Guy Chester: BMNH: 1, KM: 3 [4 - **4** - **4**].

Total Specimens for 12 October 1924: 5

14 October 1924

Namibia: Ukualuisi: Shortridge, Guy Chester: KM: 1 [1]; Shortridge, Guy Chester; Sladen, Percy: BMNH: 2 [2 - **3** - **3**].

Total Specimens for 14 October 1924: 3

17 October 1924

Namibia: Ondangua: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].
Zimbabwe: Bulawayo: Durant: HZM: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1924: 2

18 October 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1924: 1

19 October 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1924: 1

21 October 1924

"Africa": Kester, Kosterfontein: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1924: 1

23 October 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 October 1924: 1

24 October 1924

Congo (Democratic Republic of the): Catchpole's Farm: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].
Namibia: Ondangua: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1924: 2

26 October 1924

Namibia: Ondangua: Shortridge, Guy Chester: BMNH: 1, KM: 1 [2]; Shortridge, Guy Chester; Sladen, Percy: BMNH: 1 [1 - **3** - **3**].

Total Specimens for 26 October 1924: 3

27 October 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1924: 1

28 October 1924

Cameroon: Sousak: Schwab, George W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1924: 1

29 October 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 October 1924: 2

30 October 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1924: 1

3 November 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 3 November 1924: 3

11 November 1924

Cameroon: Sousak: Schwab, George W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1924: 1

14 November 1924

Congo (Democratic Republic of the): St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1924: 1

30 November 1924

Congo (Democratic Republic of the): Irumu: Heller, Edmund: FMNH: 1 [1 - **1**] - St. Jos: Callewaert, Richard: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 30 November 1924: 2

1 December 1924

Congo (Democratic Republic of the): Djamba: Schouteden, Henri: RMCA: 1 [1 - **1**] - Koteli: Schouteden, Henri: RMCA: 4 [4 - **4** - **5**].

Total Specimens for 1 December 1924: 5

10 December 1924

Congo (Democratic Republic of the): Irumu: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1924: 1

11 December 1924

South Africa: Farm Makapansgat: ?: Collector Unknown: TM: 2 [2 - **2**] - Farm Makapansgat 39: Roberts, Austin: TM: 6 [6 - **6**] - Farm Makapansgat 39, Makapan cave: Roberts, Austin: TM: 1 [1 - **1**] - Farm Makapansgat, Makapan cave: ?: Collector Unknown: TM: 1 [1 - **1** - **10**].

Total Specimens for 11 December 1924: 10

19 December 1924

Congo (Democratic Republic of the): Djamba: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1924: 1

20 December 1924

Congo (Democratic Republic of the): Djamba: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1924: 1

31 December 1924

Cameroon: Lolodorf: Good, A.I.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1924: 1

1 January 1925

Cameroon: Sakbayeme: Schwab, George W.: MCZ: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - Koteli: Schouteden, Henri: RMCA: 1 [1 - **1**] - N'Goma: Schouteden, Henri: RMCA: 1 [1 - **1**] - Ruwenzori, foothills: Hackars, Henri Martin: RMCA: 1 [1 - **1** - **5**].
Kenya: Unknown locality: Akeley, D.J.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1925: 8

2 January 1925

Congo (Democratic Republic of the): Koteli: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].
Uganda: Lake Bunyoni: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1925: 3

3 January 1925

Congo (Democratic Republic of the): Koteli: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1925: 1

8 January 1925

Angola: Chitau: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1]; Vernay, Arthur S.: AMNH: 14 [14 - **15** - **15**].

Total Specimens for 8 January 1925: 15

15 January 1925

Congo (Democratic Republic of the): Koteli: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1925: 1

21 January 1925

Congo (Democratic Republic of the): Kalonge: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1925: 1

23 January 1925

Congo (Democratic Republic of the): Koteli: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 23 January 1925: 3

29 January 1925

Congo (Democratic Republic of the): Buta: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1925: 1

1 February 1925

Congo (Democratic Republic of the): Old Kalonge: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1925: 1

2 February 1925

Congo (Democratic Republic of the): Old Kalonge: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1925: 1

3 February 1925

Congo (Democratic Republic of the): Old Kalonge: Heller, Edmund: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 February 1925: 2

4 February 1925

Congo (Democratic Republic of the): Old Kalonge: Heller, Edmund: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 4 February 1925: 2

5 February 1925

Congo (Democratic Republic of the): Old Kalonge: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1925: 1

8 February 1925

Congo (Democratic Republic of the): Old Kalonge: Heller, Edmund: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 February 1925: 2

26 February 1925

Congo (Democratic Republic of the): Mauda: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 26 February 1925: 2

1 March 1925

Congo (Democratic Republic of the): Mauda: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1925: 1

2 March 1925

Congo (Democratic Republic of the): Mauda: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1925: 1

4 March 1925

South Africa: Unknown locality: Roberts, W.W.: MCZ: 1 [1 - **1**] - Mqanduli: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 4 March 1925: 2

8 March 1925

Congo (Democratic Republic of the): Beni: Heller, Edmund: FMNH: 3, MCZ: 1 [4 - **4** - **4**].
Zimbabwe: Victoria Falls: Brooks, Winthrop Sprague: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1925: 5

9 March 1925

Congo (Democratic Republic of the): Beni: Heller, Edmund: FMNH: 1 [1 - **1**] - Mambabwanga Hill: Heller, Edmund: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 9 March 1925: 2

11 March 1925

Congo (Democratic Republic of the): Beni: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1925: 1

16 March 1925

Congo (Democratic Republic of the): Mauda: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 16 March 1925: 3

18 March 1925

Congo (Democratic Republic of the): Beni: Heller, Edmund: FMNH: 1 [1 - **1**] - Mauda: Schouteden, Henri: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 18 March 1925: 3

19 March 1925

Congo (Democratic Republic of the): Dika: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 19 March 1925: 2

21 March 1925

Congo (Democratic Republic of the): Mauda: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 21 March 1925: 2

22 March 1925

Congo (Democratic Republic of the): Beni: Heller, Edmund: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 22 March 1925: 2

24 March 1925

Congo (Democratic Republic of the): Beni: Heller, Edmund: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 24 March 1925: 2

25 March 1925

South Africa: King William's Town: Williams, D.C.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1925: 1

27 March 1925

South Africa: King Williamstown: Shortridge, Guy Chester; Williams: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1925: 1

28 March 1925

Congo (Democratic Republic of the): Beni: Heller, Edmund: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 28 March 1925: 6

1 April 1925

Congo (Democratic Republic of the): Dungu: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1925: 1

13 April 1925

Congo (Democratic Republic of the): Batala's Village: Heller, Edmund: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 13 April 1925: 11

15 April 1925

Kenya: Taveta: Friedmann, Herbert: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 15 April 1925: 2

16 April 1925

Congo (Democratic Republic of the): Batala's Village: Heller, Edmund: FMNH: 27, ZMUC: 3 [30 - **30** - **30**].

Total Specimens for 16 April 1925: 30

18 April 1925

Congo (Democratic Republic of the): Dramba: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1925: 1

3 May 1925

Congo (Democratic Republic of the): Nionga: de Witte, Gaston-François: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 3 May 1925: 4

5 May 1925

Congo (Democratic Republic of the): Mahagi Port: Schouteden, Henri: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 5 May 1925: 4

10 May 1925

Congo (Democratic Republic of the): Mahagi Port: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1925: 1

13 May 1925

Congo (Democratic Republic of the): Mahagi Port: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 13 May 1925: 2

14 May 1925

Congo (Democratic Republic of the): Mahagi Port: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1925: 1

15 May 1925

Angola: Hanha: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1925: 1

16 May 1925

Angola: Hanha: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 4 [4 - **4**] - Lobito Bay: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1** - **5**].
Congo (Democratic Republic of the): Mahagi Port: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 16 May 1925: 7

17 May 1925

Angola: Hanha: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1925: 1

18 May 1925

Angola: Hanha: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 3 [3 - **3** - **3**].

Total Specimens for 18 May 1925: 3

27 May 1925

Cameroon: Sakbayeme: Schwab, George W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1925: 1

28 May 1925

Sudan: Khartoum: El Rayah, M.A.: ROM: 1 [1 - **1**] - Khartoum state: El Rayah, M.A.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 28 May 1925: 2

1 June 1925

Congo (Democratic Republic of the): Niarembe: Schouteden, Henri: RMCA: 1 [1 - **1**] - Tshuapa river, upper: Ghesquière, J.: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 1 June 1925: 3

21 June 1925

Congo (Democratic Republic of the): Abimva: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1925: 1

22 June 1925

Congo (Democratic Republic of the): Abimva: Schouteden, Henri: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 22 June 1925: 5

23 June 1925

Congo (Democratic Republic of the): Abimva: Schouteden, Henri: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 23 June 1925: 5

1 July 1925

Congo (Democratic Republic of the): Faradje: Schouteden, Henri: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 1 July 1925: 5

5 July 1925

Congo (Democratic Republic of the): Faradje: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1925: 1

6 July 1925

Congo (Democratic Republic of the): Faradje: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 6 July 1925: 3

7 July 1925

Congo (Democratic Republic of the): Faradje: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 7 July 1925: 3

11 July 1925

Congo (Democratic Republic of the): Faradje: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1925: 1

13 July 1925

Angola: Capelongo: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1925: 1

17 July 1925

Angola: Capelongo: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1925: 1

19 July 1925

Congo (Democratic Republic of the): Arebi Bondo Mabe: Schouteden, Henri: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 19 July 1925: 4

20 July 1925

Angola: Capelongo: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1925: 1

23 July 1925

South Africa: Vryburg: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1925: 1

30 July 1925

Congo (Democratic Republic of the): Rutshuru: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1925: 1

31 July 1925

Congo (Democratic Republic of the): Rutshuru: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1925: 1

1 August 1925

Angola: Dande [= Dando], 35 km E: Vernay, Arthur S.: AMNH: 1 [1 - **1**] - Dando, 35 km E: Vernay, Arthur S.: AMNH: 1 [1 - **1** - **2**].
Congo (Democratic Republic of the): Rungu: Schouteden, Henri: RMCA: 1 [1 - **1**] - Rutshuru: Heller, Edmund: FMNH: 2 [2 - **2** - **3**].

Total Specimens for 1 August 1925: 5

3 August 1925

Congo (Democratic Republic of the): Rutshuru: Heller, Edmund: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 3 August 1925: 3

5 August 1925

Angola: Chitau: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 August 1925: 2

6 August 1925

Angola: Chitau: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1925: 2

9 August 1925

Angola: Chitau: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 2 [2 - **2** - **2**].

Congo (Democratic Republic of the): Rutshuru: Heller, Edmund: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 August 1925: 4

10 August 1925

Angola: Giante's Castle: Symons, R.E.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1925: 1

12 August 1925

Angola: Chitau: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1925: 1

23 August 1925

Congo (Democratic Republic of the): Rutshuru: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1925: 1

25 August 1925

Congo (Democratic Republic of the): Medje: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1925: 1

28 August 1925

Madagascar: Vondrozo, cave N of: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1925: 1

30 August 1925

Congo (Democratic Republic of the): Rutshuru: Heller, Edmund: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 30 August 1925: 2

1 September 1925

Congo (Democratic Republic of the): Panga: Schouteden, Henri: RMCA: 17 [17 - **17** - **17**].

Total Specimens for 1 September 1925: 17

9 September 1925

Cameroon: Sakbayeme: Schwab, George W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1925: 1

17 October 1925

Namibia: Karolinenhof: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1925: 1

6 November 1925

Namibia: Sandfontein: Shortridge, Guy Chester: KM: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1925: 1

12 November 1925

Namibia: Sandfontein: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1925: 1

13 November 1925

Congo (Democratic Republic of the): Lulenga: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1925: 1

15 November 1925

Uganda: Lake Bunyoni: ?: Collector Unknown: FMNH: 2 [2]; Heller, Edmund: FMNH: 7, MCZ: 1 [8 - **10** - **10**].

Total Specimens for 15 November 1925: 10

16 November 1925

Uganda: Lake Bunyoni: Heller, Edmund: FMNH: 17, USNM: 1 [18 - **18** - **18**].

Total Specimens for 16 November 1925: 18

18 November 1925

Uganda: Lake Bunyoni: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1925: 1

24 November 1925

Congo (Democratic Republic of the): Lulenga: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1925: 1

28 November 1925

Congo (Democratic Republic of the): Lulenga: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1925: 1

2 December 1925

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: BMNH: 1 [1 - **1** - **1**].
South Sudan: Sobat River: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1925: 2

6 December 1925

South Africa: Benghensdorp: Roberts, Austin: TM: 1 [1 - **1**] - Burgersdorp: Roberts, Austin: TM: 1 [1 - **1** - **2**].

Total Specimens for 6 December 1925: 2

10 December 1925

Namibia: Karolinenhof: ?: Collector Unknown: KM: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1925: 1

16 December 1925

Namibia: Karolinenhof: Shortridge, Guy Chester: KM: 2 [2 - **2** - **2**].

Total Specimens for 16 December 1925: 2

17 December 1925

Namibia: Karolinenhof: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1925: 1

1 January 1926

Congo (Democratic Republic of the): Irumu: Leopold prince of Belgium: RMCA: 1 [1 - **1**] - Katentania: Van Saceghem, R.: RMCA: 1 [1 - **1** - **2**].
Rwanda: Kisenyi: Schouteden, Henri: RMCA: 2 [2 - **2**] - Shangugu: Schouteden, Henri: RMCA: 2 [2 - **2** - **4**].

Tanzania: Unknown locality: Loveridge, Arthur: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1926: 7

11 January 1926

Uganda: Kisolo: Heller, Edmund: FMNH: 5, USNM: 4 [9 - **9**] - Kisoro: ?: Collector Unknown: FMNH: 4 [4 - **4**] - Lake Mutanda: Heller, Edmund: FMNH: 32 [32 - **32** - **45**].

Total Specimens for 11 January 1926: 45

21 January 1926

Sudan: Gallabat: Cheesman, Robert Ernest: FMNH: 1 [1 - **1** - **1**].
Uganda: Katwe: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 January 1926: 3

22 January 1926

Sudan: Gallabat: Cheesman, Robert Ernest: FMNH: 2, USNM: 1 [3 - **3** - **3**].

Total Specimens for 22 January 1926: 3

1 February 1926

Sudan: Gallabat: Cheesman, Robert Ernest: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1926: 1

5 February 1926

South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 February 1926: 2

6 February 1926

Sudan: Gallabat: Cheesman, Robert Ernest: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1926: 1

15 February 1926

South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1926: 1

25 February 1926

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: BMNH: 1 [1 - **1** - **1**].
South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 1 [1]; Umzambi, M.S.: CUMV: 1 [1 - **2** - **2**].

Total Specimens for 25 February 1926: 3

1 March 1926

Congo (Democratic Republic of the): Elisabethville: Schouteden, Henri: RMCA: 2 [2 - **2**] - Kabalo: Schouteden, Henri: RMCA: 1 [1 - **1**] - Kadia: Schouteden, Henri: RMCA: 1 [1 - **1** - **4**].
Libya: Giarabub Oasis: Krüger, G.: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1926: 5

2 March 1926

South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1926: 1

7 March 1926

South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1926: 1

11 March 1926

Congo (Democratic Republic of the): Luluabourg: Callewaert, Richard: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 11 March 1926: 2

19 March 1926

South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 March 1926: 1

26 March 1926

Kenya: Mombasa: Chapin, James Paul: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 26 March 1926: 2

1 April 1926

Congo (Democratic Republic of the): Elisabethville: Schouteden, Henri: RMCA: 6 [6 - **6**] - Lubumbashi: Bequaert, J.: RMCA: 1 [1 - **1** - **7**].

Total Specimens for 1 April 1926: 7

26 April 1926

Congo (Democratic Republic of the): Rutshuru: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1926: 1

1 May 1926

Congo (Democratic Republic of the): Stanleyville: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1926: 2

19 May 1926

South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1926: 1

22 May 1926

Tanzania: Dar es Salaam: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1926: 1

1 June 1926

Kenya: Nairobi: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1926: 1

10 June 1926

South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1926: 1

11 June 1926

South Africa: Wonderboom cave: Roberts, Austin: LACM: 1 [1 - **1** - **1**].

Total Specimens for 11 June 1926: 1

1 July 1926

Liberia: Monrovia: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].
Madagascar: Beloha: Decary, Raymond: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1926: 2

4 July 1926

Kenya: Tsavo: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1926: 1

10 July 1926

South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1926: 1

13 July 1926

Cameroon: Sakbayeme: Schwab, George W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1926: 1

15 July 1926

Liberia: Monrovia: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1926: 1

16 July 1926

Liberia: Monrovia: Allen, Glover Morrill: FMNH: 2 [2]; Harvard African Expedition, The: MCZ: 9 [9 - **11** - **11**].

Total Specimens for 16 July 1926: 11

17 July 1926

Tanzania: Dodoma: Carnochan, Frederic Grosvenor: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1926: 1

18 July 1926

South Africa: Adams M.S.: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1926: 1

21 July 1926

Liberia: Monrovia: Harvard African Expedition, The: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 21 July 1926: 3

26 July 1926

Uganda: Toro: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1926: 1

27 July 1926

Liberia: Unknown locality: Harvard African Expedition, The: MCZ: 2 [2 - **2**] - Du River: Allen, Glover Morrill: MCZ: 2 [2 - **2** - **4**].

Total Specimens for 27 July 1926: 4

1 August 1926

Liberia: Unknown locality: Harvard African Expedition, The: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1926: 1

2 August 1926

Liberia: Du River: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1926: 1

6 August 1926

Angola: Chitau: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1** - **1**].
Liberia: Du River: Allen, Glover Morrill: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1926: 3

7 August 1926

Liberia: Du River: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].
Uganda: Haima, 28 mi S: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1926: 2

11 August 1926

Liberia: Firestone: Allen, Glover Morrill: MCZ: 5 [5 - **5** - **5**].

Total Specimens for 11 August 1926: 5

13 August 1926

Liberia: Du River: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - Lengatown: Allen, Glover Morrill: MCZ: 2 [2 - **2** - **3**].
Tanzania: Dar es Salaam: Conover, (Henry) Boardman: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1926: 4

14 August 1926

Liberia: Du River: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].
Tanzania: Dar es Salaam: Zimmer, John Todd: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 14 August 1926: 5

17 August 1926

Ethiopia: Dangila: Cheesman, Robert Ernest: BMNH: 3 [3 - **3** - **3**].
Liberia: Lengatown: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1926: 4

18 August 1926

Liberia: Lengatown: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1926: 1

22 August 1926

Congo (Democratic Republic of the): Kasengi: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1926: 1

23 August 1926

Congo (Democratic Republic of the): Kasengi: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1926: 1

26 August 1926

Congo (Democratic Republic of the): Keri river: Fraser, D.: BMNH: 1 [1 - **1** - **1**].
Liberia: Reppo Town: ?: Collector Unknown: MCZ: 22 [22 - **22** - **22**].

Total Specimens for 26 August 1926: 23

27 August 1926

Congo (Democratic Republic of the): Kasengi: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1926: 1

29 August 1926

Liberia: Miamu: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - Monrovia: Allen, Glover Morrill: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 29 August 1926: 3

1 September 1926

Liberia: Miamu: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1926: 1

2 September 1926

Congo (Democratic Republic of the): Kasengi: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1926: 1

11 September 1926

Tanzania: Bagilo: Loveridge, Arthur: MCZ: 8 [8 - **8** - **8**].

Total Specimens for 11 September 1926: 8

12 September 1926

Tanzania: Bagilo: Loveridge, Arthur: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 12 September 1926: 3

13 September 1926

South Africa: Pretoria North: Carlisle, M.: TM: 1 [1 - **1** - **1**].
Tanzania: Bagilo: Loveridge, Arthur: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 13 September 1926: 4

14 September 1926

Congo (Democratic Republic of the): Irumu: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].
Tanzania: Bagilo: Loveridge, Arthur: MCZ: 9 [9 - **9** - **9**].

Total Specimens for 14 September 1926: 10

15 September 1926

Tanzania: Bagilo: Loveridge, Arthur: MCZ: 20 [20 - **20** - **20**].

Total Specimens for 15 September 1926: 20

17 September 1926

Liberia: Gbarnga: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1926: 1

20 September 1926

Tanzania: Bagilo: Loveridge, Arthur: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 September 1926: 2

22 September 1926

South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1926: 1

26 September 1926

Tanzania: Matanilas: Conover, (Henry) Boardman: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1926: 1

27 September 1926

Tanzania: Bagilo: Loveridge, Arthur: MCZ: 9 [9 - **9** - **9**].

Total Specimens for 27 September 1926: 9

28 September 1926

Congo (Democratic Republic of the): Irumu: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 2 [2 - **2** - **2**].
Liberia: Kassata: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1926: 3

30 September 1926

South Africa: Brooklyn: Roberts, Austin: TM: 2 [2 - **2** - **2**].

Total Specimens for 30 September 1926: 2

1 October 1926

Congo (Democratic Republic of the): New Beni: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 5 [5 - **5** - **5**].
Liberia: Bangah: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - Paiata: Allen, Glover Morrill; Linder, David H.: MCZ: 1 [1 - **1** - **3**].
Tanzania: Matanilas: Conover, (Henry) Boardman: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1926: 9

2 October 1926

Tanzania: Nyanga: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1926: 1

6 October 1926

Sudan: Aroma Madart, 13 mi [= 21 km] SSE: Johnston, H.B.: USNM: 1 [1 - **1**] - Kassala: El Rayah, M.A.: ROM: 1 [1]; Johnston, H.B.: FMNH: 1 [1 - **2** - **3**].

Total Specimens for 6 October 1926: 3

8 October 1926

Liberia: Peahtah: Allen, Glover Morrill; Linder, David H.: MCZ: 1 [1 - **1** - **1**].
South Africa: Umzumbi Mission: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1926: 2

9 October 1926

Sudan: Kassala: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1926: 1

11 October 1926

Ethiopia: Addis Abeba: Bailey, Alfred Marshall: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1926: 1

12 October 1926

Tanzania: Makangazi: Loveridge, Arthur: MCZ: 4 [4 - **4**] - Makarazi: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Mkangasi: Loveridge, Arthur: MCZ: 9 [9 - **9** - **14**].

Total Specimens for 12 October 1926: 14

14 October 1926

South Africa: Marquard: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1926: 1

18 October 1926

Tanzania: Ulanga: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1926: 1

21 October 1926

Liberia: Bangah: Allen, Glover Morrill: FMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 21 October 1926: 2

23 October 1926

Liberia: Unknown locality: Harvard African Expedition, The: MCZ: 1 [1 - **1** - **1**].
Tanzania: Kilosa: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 October 1926: 2

25 October 1926

Congo (Democratic Republic of the): New Beni: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].
Ethiopia: Sandford's Ranch: ?: Collector Unknown: FMNH: 1 [1]; Bailey, Alfred Marshall: FMNH: 6 [6 - **7**] - Sanfords Ranch: Hist, H.: TM: 1 [1 - **1** - **8**].
Tanzania: Bagilo: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1926: 10

28 October 1926

Tanzania: Bagilo: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1926: 1

31 October 1926

Tanzania: Kilosa: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1926: 1

15 November 1926

Angola: Mount Verdun: Chapman, C.P.: AMNH: 1 [1 - **1** - **1**].
South Africa: Ladyselborne: ?: Collector Unknown: TM: 1 [1]; Namete, P.: TM: 3 [3 - **4** - **4**].

Total Specimens for 15 November 1926: 5

17 November 1926

Congo (Democratic Republic of the): Kabalo: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1926: 1

21 November 1926

Tanzania: Amani: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1926: 1

23 November 1926

Angola: Mount Verdun: Chapman, C.P.: AMNH: 1 [1 - **1** - **1**].
Tanzania: Amani: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1926: 2

24 November 1926

Tanzania: Amana reef: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Amani: Loveridge, Arthur: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 24 November 1926: 2

27 November 1926

Congo (Democratic Republic of the): Katobwe: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1926: 1

28 November 1926

Congo (Democratic Republic of the): Katobwe: Zimmer, John Todd: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 28 November 1926: 2

29 November 1926

Tanzania: Amana reef: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1926: 1

30 November 1926

Congo (Democratic Republic of the): Katobwe: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1926: 1

1 December 1926

Congo (Democratic Republic of the): Katobwe: Zimmer, John Todd: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 December 1926: 3

4 December 1926

Congo (Democratic Republic of the): Katobwe: Zimmer, John Todd: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 4 December 1926: 2

5 December 1926

Congo (Democratic Republic of the): Katobwe: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1926: 1

7 December 1926

Congo (Democratic Republic of the): Katobwe: Zimmer, John Todd: FMNH: 3 [3 - **3** - **3**].
Libya: Giarabub Oasis: Confalonieri, Carlo: MSNG: 4 [4 - **4** - **4**].

Total Specimens for 7 December 1926: 7

8 December 1926

Tanzania: Kiserui: Loveridge, Arthur: MCZ: 2 [2 - **2**] - Kizerui: Loveridge, Arthur: MCZ: 1 [1 - **1** - **3**].

Total Specimens for 8 December 1926: 3

9 December 1926

Congo (Democratic Republic of the): Katobwe: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1926: 1

13 December 1926

Congo (Democratic Republic of the): Kabengere: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1926: 1

22 December 1926

Congo (Democratic Republic of the): Kabengere: Zimmer, John Todd: FMNH: 12 [12 - **12**] - Kalonge: Chapin, James Paul: AMNH: 1 [1 - **1** - **13**].
Tanzania: Philipstrof: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1926: 14

24 December 1926

Congo (Democratic Republic of the): Butagu Valley: Chapin, James Paul: AMNH: 2 [2]; Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **3**] - Kabengere: Zimmer, John Todd: FMNH: 9 [9 - **9**] - W slope of Mount Ruwenzori, Butahu valley, cave: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **13**].

Total Specimens for 24 December 1926: 13

27 December 1926

Congo (Democratic Republic of the): Kabengere: Zimmer, John Todd: FMNH: 3 [3 - **3**] - Katapena: Zimmer, John Todd: FMNH: 1 [1 - **1** - **4**].

Total Specimens for 27 December 1926: 4

28 December 1926

Congo (Democratic Republic of the): Kabengere: Zimmer, John Todd: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 December 1926: 3

30 December 1926

Congo (Democratic Republic of the): Belgian River: ?: Collector Unknown: MCZ: 1 [1 - **1**] - Bumba: ?: Collector Unknown: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 30 December 1926: 2

1 January 1927

Congo (Democratic Republic of the): Bumba: Coolidge, Harold Jefferson: MCZ: 1 [1]; Linder, David H.: MCZ: 1 [1 - **2**] - Nsiana: Cadgepole: MCZ: 1 [1 - **1** - **3**].
Madagascar: Andrahomana cave: Decary, Raymond: MCZ: 1 [1 - **1**] - Fianarantsoa, near: Grandidier Collection, The: MCZ: 1 [1 - **1**] - Mandritsara, N of: Grandidier Collection, The: MCZ: 2 [2 - **2** - **4**].

Total Specimens for 1 January 1927: 7

13 January 1927

Congo (Democratic Republic of the): Stanleyville: Coolidge, Harold Jefferson; Whitman, L.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1927: 1

17 January 1927

Sudan: Khartoum, 100 mi S of: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1927: 1

20 January 1927

Sudan: El Dueim: Anthony, Harold Elmer: AMNH: 1 [1 - **1**] - Kadugli: Rutledge, W.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 20 January 1927: 2

21 January 1927

Sudan: Kosti: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1927: 1

23 January 1927

Sudan: Musran Island: Anthony, Harold Elmer: AMNH: 8 [8 - **8**] - Musran Island, North end: Anthony, Harold Elmer: AMNH: 6 [6 - **6** - **14**].

Total Specimens for 23 January 1927: 14

24 January 1927

Sudan: Musran Island, North end: Anthony, Harold Elmer: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 24 January 1927: 2

26 January 1927

Sudan: Al Jabalayn: Anthony, Harold Elmer: WAM: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1927: 1

4 February 1927

Sudan: Talodi: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1927: 1

8 February 1927

South Africa: Leydsdorp: ?: Collector Unknown: TM: 1 [1]; Van Dam, G.P.: TM: 1 [1 - **2** - **2**].
South Sudan: Akona, W. bank: Anthony, Harold Elmer: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 February 1927: 4

11 February 1927

South Africa: Leydsdorp: ?: Collector Unknown: TM: 1 [1 - **1**] - Leydsdorp, unspecified location: Van Dam, G.P.: TM: 2 [2 - **2** - **3**].
South Sudan: Akona, E. bank: Anthony, Harold Elmer: AMNH: 1 [1 - **1**] - Akona, W. bank: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 11 February 1927: 5

20 February 1927

Tanzania: Katungulu: Conover, (Henry) Boardman: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1927: 1

23 February 1927

Tanzania: Katungulu: Conover, (Henry) Boardman: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1927: 1

24 February 1927

Congo (Democratic Republic of the): Rutshuru: Linder, David H.: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 24 February 1927: 2

25 February 1927

Congo (Democratic Republic of the): Rutshuru: Linder, David H.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1927: 1

27 February 1927

Algeria: Gorges de la Chiffa: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 27 February 1927: 1

5 March 1927

Ethiopia: Debre Marcos, near: Osgood, Wilfred Hudson: FMNH: 1 [1 - **1**] - Wahina: Bailey, Alfred Marshall: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 5 March 1927: 2

8 March 1927

South Sudan: Sim Sima: Anthony, Harold Elmer: AMNH: 1 [1 - **1**] - Sim Sima: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 8 March 1927: 2

17 March 1927

Ethiopia: Fatam R Big Abbai: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1927: 1

22 March 1927

Namibia: Qoabendus: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].
Uganda: Masindi: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1927: 2

23 March 1927

Congo (Democratic Republic of the): Luofu: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1927: 1

28 March 1927

Uganda: Rhino Camp: Zimmer, John Todd: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 March 1927: 3

31 March 1927

Ethiopia: Dungulbar, near: Daily News Abyssinia expedition, The: FMNH: 1 [1 - **1** - **1**].
Uganda: Rhino Camp: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1927: 2

1 April 1927

Congo (Democratic Republic of the): Unknown locality: Linder, David H.: MCZ: 1 [1 - **1**] - Bunia: Coolidge, Harold Jefferson: MCZ: 3 [3 - **3**] - Rutshuru: Linder, David H.: MCZ: 1 [1 - **1** - **5**].

Total Specimens for 1 April 1927: 5

5 April 1927

Ethiopia: Gondar, 15 mi NE: Bailey, Alfred Marshall: FMNH: 7 [7 - **7**] - Gondur, 15 mi NE: ?: Collector Unknown: TM: 1 [1 - **1** - **8**].

Total Specimens for 5 April 1927: 8

14 April 1927

Congo (Democratic Republic of the): Rutshuru: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1927: 1

18 April 1927

Ethiopia: Metemma, near: Osgood, Wilfred Hudson: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 18 April 1927: 6

30 April 1927

Namibia: Otjitundua: Shortridge, Guy Chester: KM: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1927: 1

1 May 1927

Namibia: Otjitundua: Shortridge, Guy Chester: BMNH: 3 [3 - **3** - **3**].
South Africa: Pretoria district: Haagner, Alwin Karl: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1927: 4

2 May 1927

Namibia: Otjitundua: ?: Collector Unknown: DNSM: 1 [1]; Shortridge, Guy Chester: BMNH: 5, FMNH: 1, KM: 5 [11 - **12** - **12**].

Total Specimens for 2 May 1927: 12

3 May 1927

Namibia: Otjitundua: Shortridge, Guy Chester: BMNH: 1, FMNH: 2, KM: 1 [4 - **4** - **4**].

Total Specimens for 3 May 1927: 4

6 May 1927

Namibia: Otjitundua: Shortridge, Guy Chester: BMNH: 4, KM: 1, MCZ: 1 [6 - **6** - **6**].

Total Specimens for 6 May 1927: 6

7 May 1927

Namibia: Otjitundua: Shortridge, Guy Chester: BMNH: 1, KM: 1 [2 - **2** - **2**].

Total Specimens for 7 May 1927: 2

8 May 1927

Namibia: Otjitundua: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1927: 1

10 May 1927

Congo (Democratic Republic of the): Kabale: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1927: 1

11 May 1927

Congo (Democratic Republic of the): Kabale: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1927: 1

12 May 1927

Namibia: Otjitundua: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1927: 1

15 May 1927

Namibia: Otjitundua: ?: Collector Unknown: DNSM: 1 [1]; Shortridge, Guy Chester: BMNH: 1, KM: 1, MCZ: 1 [3 - **4** - **4**].

Total Specimens for 15 May 1927: 4

16 May 1927

Namibia: Otjitundua: Shortridge, Guy Chester: FMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 16 May 1927: 2

17 May 1927

Namibia: Otjitundua: Shortridge, Guy Chester: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 17 May 1927: 3

20 May 1927

Namibia: Otjitundua: Shortridge, Guy Chester: BMNH: 4, FMNH: 1, KM: 1 [6 - **6** - **6**].

Total Specimens for 20 May 1927: 6

21 May 1927

Mali: Mopti: Madsen, Harry: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1927: 1

23 May 1927

Congo (Democratic Republic of the): Rutshuru: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1927: 1

24 May 1927

Mali: Mopti: Madsen, Harry: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1927: 1

30 May 1927

Namibia: Ombombo: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1927: 1

31 May 1927

Namibia: Ombombo: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1927: 1

2 June 1927

Namibia: Ombombo: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1927: 1

6 June 1927

Mali: Timbuktu: Madsen, Harry: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 June 1927: 2

7 June 1927

Namibia: Ombombo: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1927: 1

9 June 1927

Mali: Timbuktu: Madsen, Harry: ZMUC: 8 [8 - **8** - **8**].

Total Specimens for 9 June 1927: 8

12 June 1927

Namibia: Ombombo: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 June 1927: 1

17 June 1927

Namibia: Kaoko-Otavi: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1927: 1

28 June 1927

Namibia: Kaoko Otavi: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1927: 1

1 July 1927

Namibia: Kaoko Otavi: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1927: 1

3 July 1927

Namibia: Kaoko Otavi: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].
South Africa: Farm Zwarthoek 794: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1927: 2

5 July 1927

Rwanda: Kisenyi: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 July 1927: 2

9 July 1927

Namibia: Okorosave: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1927: 1

10 July 1927

South Africa: Hennops River: Lang, Herbert: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 10 July 1927: 5

12 July 1927

Namibia: Okorosave: Shortridge, Guy Chester: FMNH: 2 [2 - **2** - **2**].
Sudan: Delami: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1927: 3

13 July 1927

Namibia: Okorosave: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1927: 1

16 July 1927

Congo (Democratic Republic of the): Lemera, SW of: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1927: 1

25 July 1927

Congo (Democratic Republic of the): Luebo: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Namibia: Tshimhaka: Shortridge, Guy Chester: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 July 1927: 3

27 July 1927

Namibia: Swartbooisdrift: Shortridge, Guy Chester: KM: 2 [2 - **2**] - Tshimhaka: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 27 July 1927: 3

31 July 1927

South Africa: Wonderboom: Lang, Herbert: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1927: 1

8 August 1927

Morocco: Oued Korifla: Laurent, R.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1927: 1

10 August 1927

South Africa: King William's Town: Kaoshagen, B.H.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1927: 1

12 August 1927

South Africa: Weenen: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1927: 1

27 August 1927

Namibia: Swartbooisdrift: Shortridge, Guy Chester: BMNH: 1, KM: 1 [2 - **2**] - Tshimhaka: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 27 August 1927: 3

1 September 1927

Congo (Democratic Republic of the): Befale: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].
South Africa: King William's Town: Donion, A.C.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1927: 2

2 September 1927

South Africa: King William's Town: Donion, A.C.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1927: 1

3 September 1927

Namibia: Ehomba: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1927: 1

15 September 1927

Tanzania: Bagilo: Loveridge, Arthur: MCZ: 4 [4 - **4** - **4**].

Total Specimens for 15 September 1927: 4

16 September 1927

Rwanda: Kisenyi: Douce: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1927: 1

18 September 1927

Namibia: Great Ombathu: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1927: 1

26 September 1927

Cameroon: Lolodorf: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1927: 1

27 September 1927

Namibia: Kaoko-Otavi: Shortridge, Guy Chester: KM: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1927: 1

7 November 1927

Niger: Zinder: Madsen, Harry: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 7 November 1927: 3

17 November 1927

Niger: Zinder: Madsen, Harry: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1927: 1

1 December 1927

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: MCZ: 1 [1 - **1**] - Mukishi: Becquet: RMCA: 1 [1 - **1**] - Uele: Hutsebaut, Jozef: MCZ: 1 [1 - **1** - **3**].

Total Specimens for 1 December 1927: 3

11 December 1927

Congo (Democratic Republic of the): Kunungu: Ngwe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1927: 1

22 December 1927

South Africa: Sycamore Station: Bedford, J.A.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1927: 1

29 December 1927

Congo (Democratic Republic of the): Mukishi: Becquet: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1927: 1

1 January 1928

Burundi: Bujumbura: Douce: RMCA: 1 [1 - **1** - **1**].
Madagascar: Fort Carnot [=Ikongo]: Decary, Raymond: MCZ: 2 [2]; Grandidier Collection, The: MCZ: 1 [1 - **3**] - Tanala: Decary, Raymond: MCZ: 1 [1 - **1** - **4**].
Zambia: Chikore: Sandground, Jack Henry: MCZ: 7 [7 - **7** - **7**].

Total Specimens for 1 January 1928: 12

6 January 1928

Mali: Bourem: Monod, Th.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1928: 1

8 January 1928

Niger: Bourem: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1928: 1

22 January 1928

South Africa: Gilletts: Bell-Marley, H.W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1928: 1

5 February 1928

Congo (Democratic Republic of the): Stanleyville: Collart: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1928: 1

17 February 1928

South Sudan: Kaka: Brown, W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1928: 1

20 February 1928

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1928: 1

24 February 1928

South Sudan: Abukika: Brown, W.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 24 February 1928: 3

27 February 1928

South Sudan: Gemeiza: Brown, W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 27 February 1928: 2

28 February 1928

South Sudan: Terrakka: Brown, W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1928: 1

1 March 1928

Congo (Democratic Republic of the): Stanleyville: Collart: RMCA: 1 [1 - **1** - **1**].
Madagascar: Great Forest: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1928: 2

4 March 1928

Congo (Democratic Republic of the): Stanleyville: Collart: RMCA: 1 [1 - **1** - **1**].
Sudan: Dulaba: Brown, W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 4 March 1928: 2

11 March 1928

South Sudan: Kaka: Brown, W.: USNM: 3 [3 - **3**] - Kaka, 7 mi [= 11 km] S: Brown, W.: USNM: 1 [1 - **1** - **4**].

Total Specimens for 11 March 1928: 4

12 March 1928

South Sudan: Umbarbit: Brown, W.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 12 March 1928: 4

5 April 1928

Congo (Democratic Republic of the): Stanleyville: Collart: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1928: 1

1 May 1928

Madagascar: Roqez, near: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1928: 1

26 May 1928

Congo (Democratic Republic of the): Flandria: Hulstaert, Gustaaf: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1928: 1

1 June 1928

Mali: Bourèm: Mission Saharienne, La: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1928: 1

16 June 1928

São Tomé and Principé: Unknown locality: : AMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1928: 2

1 July 1928

Madagascar: Brickaville District: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1928: 1

16 July 1928

Congo (Democratic Republic of the): Stanleyville: Collart: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1928: 1

23 July 1928

South Africa: Vryburg: Roberts, Austin: TM: 5 [5 - **5** - **5**].

Total Specimens for 23 July 1928: 5

1 August 1928

Congo (Democratic Republic of the): Boma: Gerard: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 1 August 1928: 12

19 September 1928

Ethiopia: Dangila: Cheesman, Robert Ernest: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 September 1928: 2

18 October 1928

Ethiopia: Dangila: Cheesman, Robert Ernest: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1928: 1

21 October 1928

Namibia: Hot Spring: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1928: 1

3 November 1928

South Africa: Mkuzi River: Roberts, Austin: TM: 4 [4 - **4** - **4**].

Total Specimens for 3 November 1928: 4

28 November 1928

South Africa: Emseleni: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 28 November 1928: 3

12 December 1928

Sierra Leone: Freetown: Hoffman: ZMH: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1928: 1

1 January 1929

Madagascar: Fort Carnot [=Ikongo]: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Somalia: Oddur: Brozzi, N. Mosconi: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1929: 2

4 January 1929

Tanzania: Muansa [=Mwanza]: Carnochan, Frederic Grosvenor: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1929: 1

9 January 1929

Tanzania: Mwansomanos: : AMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 January 1929: 2

10 January 1929

Ethiopia: Addis Abeba: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].
Tanzania: Muansa [=Mwanza]: Carnochan, Frederic Grosvenor: MCZ: 2 [2 - **2**] - Mwansomanos: : AMNH: 1 [1 - **1** - **3**].

Total Specimens for 10 January 1929: 4

11 January 1929

Tanzania: Mwansomanos: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1929: 1

12 January 1929

Tanzania: Muansa [=Mwanza]: Carnochan, Frederic Grosvenor: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1929: 1

1 February 1929

Congo (Democratic Republic of the): Leverville: Tinant: RMCA: 8 [8 - **8** - **8**].
Eritrea: Assab: Patrizi Montoro, Saverio: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1929: 9

9 February 1929

Kenya: Kerio Suk river: Pitman, Charles Robert Senhouse: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1929: 1

1 March 1929

Congo (Democratic Republic of the): Stanleyville: Collart: RMCA: 1 [1 - **1** - **1**].

Equatorial Guinea: St. Thomas, Island: Correia, José G. d.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 March 1929: 4

10 March 1929

Congo (Democratic Republic of the): Lubenge: Rockefeller, J. Sterling: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1929: 1

13 March 1929

Congo (Democratic Republic of the): Lubenge: Rockefeller, J. Sterling: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1929: 1

22 March 1929

Namibia: Nuichan [=Nuitsas]: Shortridge, Guy Chester: MCZ: 1 [1 - **1**] - Nuitsas: Shortridge, Guy Chester: BMNH: 3, KM: 2 [5 - **5** - **6**].

Total Specimens for 22 March 1929: 6

23 March 1929

Namibia: Nuitsas: Shortridge, Guy Chester: BMNH: 2, KM: 4 [6 - **6** - **6**].

Total Specimens for 23 March 1929: 6

24 March 1929

Namibia: Nuitsas: Shortridge, Guy Chester: BMNH: 2, KM: 1 [3 - **3** - **3**].

Total Specimens for 24 March 1929: 3

26 March 1929

Namibia: Nuitsas: Shortridge, Guy Chester: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 26 March 1929: 2

31 March 1929

Namibia: Nuitsas: Shortridge, Guy Chester: BMNH: 1, KM: 1 [2 - **2** - **2**].

Total Specimens for 31 March 1929: 2

1 April 1929

Madagascar: Mistinjo: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1929: 2

10 April 1929

Namibia: Kano valley: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1929: 1

13 April 1929

Ethiopia: Lake Abaya: Carter, T. Donald: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 April 1929: 2

24 April 1929

Congo (Democratic Republic of the): Stanleyville: Geldof: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1929: 1

26 April 1929

Namibia: Karakuwisa: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1929: 1

12 May 1929

Equatorial Guinea: Basoalo: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1929: 1

19 May 1929

Equatorial Guinea: Basoalo: : AMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 May 1929: 2

24 May 1929

Madagascar: Monjakatompo: Rand, Austin Loomer: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1929: 1

29 May 1929

Namibia: Ssanukanu: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 May 1929: 1

1 June 1929

Namibia: Ssanukanu: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1929: 1

2 June 1929

Namibia: Ssanukanu: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].
Tanzania: Rungwe District: Boulton, Rudyerd; Boulton, Laura: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 June 1929: 3

3 June 1929

Namibia: Ssanukanu: Shortridge, Guy Chester: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 June 1929: 2

4 June 1929

Namibia: Ssanukanu: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1929: 1

5 June 1929

Namibia: Ssanukanu: Shortridge, Guy Chester: BMNH: 1, FMNH: 1 [2 - **2** - **2**].

Total Specimens for 5 June 1929: 2

6 June 1929

Tanzania: Rungwe District: Boulton, Rudyerd; Boulton, Laura: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 6 June 1929: 3

7 June 1929

Tanzania: Rungwe District: Boulton, Rudyerd; Boulton, Laura: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 7 June 1929: 2

9 June 1929

Namibia: Ssanukanu: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 June 1929: 1

10 June 1929

Namibia: Ssanukanu: Shortridge, Guy Chester: BMNH: 1, FMNH: 1 [2 - **2** - **2**].

Total Specimens for 10 June 1929: 2

11 June 1929

Namibia: Ssanukanu: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].
South Africa: Wonderboom cave: Roberts, Austin: LACM: 1 [1 - **1** - **1**].
Tanzania: Rungwe District: Boulton, Rudyerd; Boulton, Laura: AMNH: 9 [9 - **9** - **9**].

Total Specimens for 11 June 1929: 11

13 June 1929

Namibia: Ssannakanu village: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - Ssanukanu: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 13 June 1929: 2

16 June 1929

Madagascar: Amorontsanga: Rand, Austin Loomer: AMNH: 1 [1 - **1**] - Ivohibe: Rand, Austin Loomer: AMNH: 2 [2 - **2**] - Tsiroanomandidy: ?: Collector Unknown: MNHN: 1 [1]; : BMNH: 1 [1 - **2** - **5**].
Tanzania: Rungwe District: Boulton, Rudyerd; Boulton, Laura: AMNH: 10 [10 - **10** - **10**].

Total Specimens for 16 June 1929: 15

18 June 1929

Tanzania: Rungwe District: Boulton, Rudyerd; Boulton, Laura: AMNH: 22 [22 - **22** - **22**].

Total Specimens for 18 June 1929: 22

28 June 1929

South Africa: Eshowe: Chivers, C.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1929: 1

1 July 1929

Namibia: Okavango-Omataka junction: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1929: 1

2 July 1929

Congo (Democratic Republic of the): Stanleyville: Collart: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1929: 1

3 July 1929

Congo (Democratic Republic of the): Lemba plain: Van Delft: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1929: 1

16 July 1929

Madagascar: Tsiandro: Delacour, Jean B. Theodore; Lowe: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1929: 1

19 July 1929

Madagascar: Tsiandro: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1929: 1

5 August 1929

Madagascar: Mistinjo: Mission F.A.A., La: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1929: 1

8 August 1929

Cameroon: Olangina: : PCMB: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1929: 1

14 August 1929

Madagascar: Ivohibe: ?: Collector Unknown: MNHN: 4 [4]; Rand, Austin Loomer: AMNH: 2 [2 - **6** - **6**].

Total Specimens for 14 August 1929: 6

27 August 1929

Congo (Democratic Republic of the): Flandria: Hulstaert, Gustaaf: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1929: 1

1 September 1929

Madagascar: Mistinjo: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 1 September 1929: 2

30 September 1929

Tanzania: Mwansomanos: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1929: 1

10 October 1929

Tanzania: Mwansomanos: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1929: 1

23 October 1929

Madagascar: Tulear, 80 km E: ?: Collector Unknown: MNHN: 1 [1]; : BMNH: 1 [1]; Rand, Austin Loomer: AMNH: 1 [1 - **3** - **3**].

Total Specimens for 23 October 1929: 3

10 November 1929

Madagascar: Taluky: ?: Collector Unknown: MNHN: 1 [1]; : BMNH: 1 [1 - **2** - **2**].

Total Specimens for 10 November 1929: 2

22 November 1929

Madagascar: Befandriana: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1929: 1

24 November 1929

Zimbabwe: Selinda, mount: Boulton, Rudyerd; Boulton, Laura: CM: 3, MCZ: 2 [5 - **5** - **5**].

Total Specimens for 24 November 1929: 5

26 November 1929

Zimbabwe: Selinda, mount: Boulton, Rudyerd; Boulton, Laura: CM: 6 [6 - **6** - **6**].

Total Specimens for 26 November 1929: 6

30 November 1929

South Africa: Manaba: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1929: 1

1 December 1929

Eritrea: Gaare: Patrizi Montoro, Saverio: MSNG: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1929: 1

7 December 1929

Tanzania: Unyanganyi: Loveridge, Arthur: FMNH: 2, MCZ: 28 [30 - **30**] - Unyang'anyi: Loveridge, Arthur: MCZ: 4 [4 - **4** - **34**].

Total Specimens for 7 December 1929: 34

8 December 1929

South Africa: Namaba: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1929: 1

17 December 1929

Tanzania: Savanda: Loveridge, Arthur: MCZ: 4 [4 - **4** - **4**].

Total Specimens for 17 December 1929: 4

1 January 1930

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - Elisabethville: : RBINS: 1 [1]; Bredo, H.J.: ZMA: 1 [1]; Lamoral: RMCA: 1 [1 - **3**] - Flandria: Hulstaert, Gustaaf: RMCA: 1 [1 - **1**] - Kataye Sukunga: Fourche: RMCA: 1 [1 - **1**] - Kilo [mines]: du Soleil: RMCA: 1 [1 - **1**] - Mweka Kasai: Heusgens: RMCA: 2 [2 - **2** - **9**].
Madagascar: Mistinjo: Decary, Raymond: MNHN: 2 [2 - **2** - **2**].
Zambia: Unknown locality: Reade, H.O.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1930: 13

10 January 1930

Congo (Democratic Republic of the): Mulungwishi: de Witte, Gaston-François: RMCA: 27 [27 - **27** - **27**].

Total Specimens for 10 January 1930: 27

24 January 1930

Tanzania: Madehani: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1930: 1

25 January 1930

Tanzania: Madehani: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 25 January 1930: 2

1 February 1930

Madagascar: Moramanga: Grandidier Collection, The: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 1 February 1930: 3

19 February 1930

Uganda: Wasa River: de Walden, Howard; Hayman, Robert William: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1930: 1

20 February 1930

Madagascar: Tsimanampetsotsa, lake: Mission F.A.A., La: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 20 February 1930: 2

24 February 1930

Tanzania: Madehani: Loveridge, Arthur: MCZ: 8 [8 - **8** - **8**].

Total Specimens for 24 February 1930: 8

25 February 1930

Tanzania: Madehani: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 25 February 1930: 2

1 March 1930

Madagascar: Calata cave: Decary, Raymond: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1930: 1

4 March 1930

Zambia: Lusiwashi valley: Selchow, Donald H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 4 March 1930: 1

5 March 1930

Tanzania: Mwaya: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Mwaya, southwestern: Loveridge, Arthur: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 5 March 1930: 2

6 March 1930

Tanzania: Mwaya, southwestern: Loveridge, Arthur: MCZ: 2 [2 - **2**] - Rungwa mountains: Loveridge, Arthur: MCZ: 1 [1 - **1** - **3**].

Total Specimens for 6 March 1930: 3

7 March 1930

Tanzania: Mwaya: Loveridge, Arthur: MCZ: 8 [8 - **8**] - Rungwa mountains: Loveridge, Arthur: MCZ: 2 [2 - **2** - **10**].

Total Specimens for 7 March 1930: 10

8 March 1930

Namibia: Mount Brukaros: Sordahl, L.O.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1930: 1

25 March 1930

Madagascar: Ampotaka: ?: Collector Unknown: MNHN: 2 [2]; Rand, Austin Loomer: AMNH: 2 [2 - **4** - **4**].
Namibia: Mount Brukaros: Sordahl, L.O.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1930: 5

29 March 1930

Botswana: Central Kalahari-GR, Kuke pan: Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1930: 1

31 March 1930

Tanzania: Ilolo: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1930: 1

14 April 1930

Congo (Democratic Republic of the): Elisabethville: De Riemaecker, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1930: 1

24 April 1930

Congo (Democratic Republic of the): Ituri Forest: de Walden, Howard: BMNH: 5 [5 - **5** - **5**].

Total Specimens for 24 April 1930: 5

30 April 1930

Tanzania: Igala: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1930: 1

2 May 1930

Namibia: Gemsbok Pan: Lang, Herbert; Vernay Expedition, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1930: 1

4 May 1930

Botswana: Gemsbok Pan: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1930: 1

5 May 1930

Botswana: Maun: Lang, Herbert; Vernay Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1930: 1

14 May 1930

Namibia: Mount Brukaros: Sordahl, L.O.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 14 May 1930: 4

15 May 1930

Tanzania: Kitungulu, southwestern: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1930: 1

16 May 1930

Tanzania: Kasanga: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1930: 1

17 May 1930

Tanzania: Kasanga: Loveridge, Arthur: MCZ: 9 [9 - **9** - **9**].

Total Specimens for 17 May 1930: 9

20 May 1930

Madagascar: Maroantsetra [= Bevato], 40 km NW: Delacour, Jean B. Theodore: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 20 May 1930: 5

23 May 1930

Botswana: Maun: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 2 [2 - **2** - **2**].
Tanzania: Ujiji: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1930: 3

24 May 1930

Tanzania: Ujiji: Loveridge, Arthur: FMNH: 1, MCZ: 12 [13 - **13** - **13**].

Total Specimens for 24 May 1930: 13

25 May 1930

Botswana: Maun: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 2, TM: 1 [3 - **3** - **3**].
Madagascar: Maroantsetra [= Bevato], 40 km NW: Mission Zoologique Franco-Anglo-Americaine, La: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1930: 4

26 May 1930

Tanzania: Ujiji: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 26 May 1930: 2

27 May 1930

Tanzania: Ujiji: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 27 May 1930: 2

28 May 1930

Botswana: Maun: Lang, Herbert; Vernay Expedition, The: FMNH: 2 [2]; Lang, Herbert; Vernay Kalahari Expedition, The: TM: 1 [1 - **3** - **3**].

Total Specimens for 28 May 1930: 3

29 May 1930

Botswana: Maun: Lang, Herbert; Vernay Expedition, The: FMNH: 3 [3]; Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **4**] - Mawn: ?: Collector Unknown: MCZ: 1 [1 - **1** - **5**].

Total Specimens for 29 May 1930: 5

30 May 1930

Botswana: Maun: Lang, Herbert; Vernay Kalahari Expedition, The: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1930: 1

31 May 1930

Botswana: Maun: Lang, Herbert; Vernay Expedition, The: FMNH: 2 [2 - **2** - **2**].
Madagascar: Maroantsetra, 40 km NW: Rand, Austin Loomer: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1930: 3

1 June 1930

Botswana: Kwai Mababe Flats: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 1 [1 - **1** - **1**].
Madagascar: Maroantsetra, 20 km SW: ?: Collector Unknown: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 1 June 1930: 7

4 June 1930

Botswana: Chobe-NP, Mababe Flats: Lang, Herbert; Vernay Expedition, The: FMNH: 1 [1 - **1**] - Maun: Lang, Herbert; Vernay Expedition, The: FMNH: 1 [1]; Lang, Herbert; Vernay Kalahari Expedition, The: TM: 1 [1 - **2** - **3**].

Total Specimens for 4 June 1930: 3

6 June 1930

Tanzania: Geita district: Loveridge, Arthur: FMNH: 1 [1 - **1**] - Muansa [=Mwanza]: Loveridge, Arthur: MCZ: 14 [14 - **14** - **15**].

Total Specimens for 6 June 1930: 15

7 June 1930

Botswana: Chobe-NP, north of Tsotsoroga Pan, Zweizwe [= Zweizwi River] Waterhole: Lang, Herbert; Vernay Expedition, The: FMNH: 1 [1]; Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **2** - **2**].
South Africa: Umfolozi Game Reserve: Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **1** - **1**].
Tanzania: Muansa [=Mwanza]: Loveridge, Arthur: FMNH: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 7 June 1930: 5

10 June 1930

Madagascar: Bevato: Archbold, Richard A.; Rand, Austin Loomer; Du Mont, Philip A.; Mission Franco-Anglo-Amér Madagascar: MNHN: 5 [5 - **5**] - Bevato or Namoroka: Archbold, Richard A.; Rand, Austin Loomer; Du Mont, Philip A.; Mission Franco-Anglo-Amér Madagascar: ZMA: 1 [1 - **1** - **6**].
Tanzania: Ukerewe island: Loveridge, Arthur: MCZ: 20 [20 - **20** - **20**].

Total Specimens for 10 June 1930: 26

14 June 1930

Tanzania: Ukerewe island: Loveridge, Arthur: MCZ: 6 [6 - **6** - **6**].

Total Specimens for 14 June 1930: 6

17 June 1930

Botswana: Chobe-NP, Tsotsoroga Pan: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 17 June 1930: 2

18 June 1930

Botswana: Chobe-NP, Tsotsoroga Pan: Vernay-Lang Kalahari Expedition 1930, The: AMNH: 1, FMNH: 1, TM: 1 [3 - **3** - **3**].
Tanzania: Ukerewe island: Loveridge, Arthur: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 18 June 1930: 6

19 June 1930

Botswana: Chobe-NP, Tsotsoroga Pan: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 3, TM: 2 [5 - **5**] - Tsohorogo: ?: Collector Unknown: MCZ: 1 [1 - **1** - **6**].

Total Specimens for 19 June 1930: 6

29 June 1930

Botswana: Chobe-NP, Tsotsoroga Pan: Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 June 1930: 1

8 July 1930

Botswana: Chobe-NP, Tsotsoroga Pan: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1930: 1

10 July 1930

Botswana: Goho Hills: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 4 [4 - **4** - **4**].
Madagascar: Ankilizato: Decary, Raymond: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1930: 5

15 July 1930

"Africa": Goho Hills: Lang, Herbert; Vernay Expedition, The: TM: 1 [1 - **1** - **1**].

Botswana: Goha Hills: Lang, Herbert: AMNH: 1 [1 - **1**] - Goho Hills: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 15 July 1930: 3

23 July 1930

Congo (Democratic Republic of the): Mistandunga: Chapin, James Paul: AMNH: 1 [1]; Edson, Franklin: AMNH: 2 [2 - **3** - **3**].

Total Specimens for 23 July 1930: 3

25 July 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1]; Edson, Franklin: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 25 July 1930: 2

28 July 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 28 July 1930: 2

1 August 1930

Botswana: N'kata: Lang, Herbert; Vernay Expedition, The: FMNH: 1 [1 - **1** - **1**].
Cameroon: Djaposten: Raven, Henry Cushier: AMNH: 8 [8 - **8** - **8**].
Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 August 1930: 11

3 August 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1930: 1

4 August 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1930: 1

6 August 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 2 [2]; Edson, Franklin: AMNH: 1 [1 - **3** - **3**].

Total Specimens for 6 August 1930: 3

11 August 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1930: 1

12 August 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1]; Edson, Franklin: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 12 August 1930: 2

13 August 1930

Congo (Democratic Republic of the): Lukolela: Edson, Franklin: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1930: 1

16 August 1930

Botswana: Nekate [= N'kate, Nekati]: Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1930: 1

17 August 1930

Congo (Democratic Republic of the): Lukolela: Edson, Franklin: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1930: 1

18 August 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1]; Edson, Franklin: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 18 August 1930: 2

19 August 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 8 [8]; Edson, Franklin: AMNH: 3 [3 - **11** - **11**].

Total Specimens for 19 August 1930: 11

28 August 1930

Congo (Democratic Republic of the): Lukolela: Edson, Franklin: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1930: 1

29 August 1930

Congo (Democratic Republic of the): Lukolela: Edson, Franklin: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1930: 1

31 August 1930

Congo (Democratic Republic of the): Lukolela: Edson, Franklin: AMNH: 1 [1 - **1**] - Lukolela 4 mi from: Chapin, James Paul: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 31 August 1930: 2

4 September 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 2 [2]; Edson, Franklin: AMNH: 3 [3 - **5** - **5**].

Total Specimens for 4 September 1930: 5

6 September 1930

Zambia: Chambezi: Tose, Frank: CAS: 2 [2 - **2** - **2**].

Total Specimens for 6 September 1930: 2

14 September 1930

Congo (Democratic Republic of the): Lukolela: Edson, Franklin: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 14 September 1930: 2

25 September 1930

Zambia: Kazungula: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 25 September 1930: 3

26 September 1930

Mozambique: Beira, near: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1930: 1

27 September 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1930: 1

30 September 1930

Angola: Benguela: Blazer, brothers: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1930: 1

1 October 1930

Madagascar: Andriafavelo: Aubert de la Rue, Edgar: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 1 October 1930: 2

10 October 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 October 1930: 2

19 October 1930

Congo (Democratic Republic of the): Sakania mission: De Riemaecker, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1930: 1

25 October 1930

Ethiopia: Addis Abeba: Huyn, Ludwig von: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1930: 1

29 October 1930

Namibia: Berseba: Sordahl, L.O.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 29 October 1930: 4

3 November 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1930: 1

7 November 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1930: 1

13 November 1930

Congo (Democratic Republic of the): Kakyelo: de Witte, Gaston-François; de Crawhez: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 13 November 1930: 9

15 November 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 15 November 1930: 2

16 November 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1930: 1

21 November 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 November 1930: 2

29 November 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1930: 1

1 December 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1930: 1

20 December 1930

Congo (Democratic Republic of the): Lukafu: de Witte, Gaston-François; de Crawhez: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 20 December 1930: 4

24 December 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1930: 1

27 December 1930

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1930: 1

30 December 1930

Congo (Democratic Republic of the): Bumba: ?: Collector Unknown: MCZ: 5 [5 - **5**] - Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **6**].

Total Specimens for 30 December 1930: 6

1 January 1931

Congo (Democratic Republic of the): Unknown locality: Jans, E.: RMCA: 1 [1 - **1**] - Boende: Lootens, P.: RMCA: 1 [1]; Wynants, R.P.: RMCA: 1 [1 - **2**] - Bokuma: Lootens, P.: RMCA: 4 [4 - **4**] - Bolobo: N'Kele: RMCA: 1 [1 - **1**] - Elisabethville: Schouteden, Henri: RMCA: 1 [1 - **1**] - Ikela: Lootens, P.: RMCA: 2 [2 - **2**] - Kimilolo: De Smet: RMCA: 1 [1 - **1**] - Luluabourg: Deheegher, Jan: RMCA: 1 [1 - **1**] - Mushie: Christy, Cuthbert: RMCA: 1 [1 - **1**] - Pawa: Radna: RMCA: 1 [1 - **1** - **15**].
Côte d'Ivoire: Bouaké: Logier, E.B.S.: MNHN: 1 [1 - **1** - **1**].
Egypt: Thebe: ?: Collector Unknown: MHNG: 1 [1 - **1** - **1**].
Gabon: Bengoué: Brosset, André: MHNG: 1 [1 - **1**] - Makokou: Brosset, André: MHNG: 1 [1 - **1** - **2**].
Madagascar: Tampina: Bluntschli, Hans Georg Hermann: AMNH: 7 [7 - **7** - **7**].
Rwanda: Rubengera: Lestrade: RMCA: 1 [1 - **1** - **1**].
Senegal: Richard Toll: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Tunisia: Metlaoui and Redeyef, between: Babault, Guy: MNHN: 1 [1 - **1**] - Redeyef: Babault, Guy: MNHN: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1931: 30

3 January 1931

Angola: Gauca river: Boulton, Rudyerd; Boulton, Laura: CM: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1931: 1

4 January 1931

Angola: Gauca river: Boulton, Rudyerd; Boulton, Laura: CM: 2 [2 - **2** - **2**].

Total Specimens for 4 January 1931: 2

12 January 1931

Angola: Chitau: Boulton, Rudyerd; Boulton, Laura: CM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1931: 1

17 January 1931

Angola: Chitau: Boulton, Rudyerd; Boulton, Laura: CM: 1 [1]; Pulitzer, Ralph: CM: 1 [1 - **2** - **2**].

Total Specimens for 17 January 1931: 2

31 January 1931

Madagascar: Maromandia: Rand, Austin Loomer: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1931: 1

1 February 1931

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 February 1931: 3

3 February 1931

Zambia: Broken Hill: Pitman, Charles Robert Senhouse: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1931: 1

5 February 1931

Ethiopia: Harairobo, lake: Huyn, Ludwig von: ZFMK: 5 [5 - **5** - **5**].

Total Specimens for 5 February 1931: 5

16 February 1931

Congo (Democratic Republic of the): Lukonzolwa: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1931: 1

20 February 1931

Congo (Democratic Republic of the): Kiamanwa: Bredo, H.J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1931: 1

28 February 1931

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1931: 1

6 March 1931

Madagascar: Namoroka: Rand, Austin Loomer: FMNH: 2 [2]; Rand, Austin Loomer; Du Mont, Philip A.; Mission Zoologique Franco-Anglo-Americaine, La: MNHN: 1 [1 - **3** - **3**].

Total Specimens for 6 March 1931: 3

7 March 1931

Madagascar: Unknown locality: Rand, Austin Loomer: AMNH: 2 [2 - **2**] - Namoroka: ?: Collector Unknown: MNHN: 1 [1 - **1** - **3**].

Total Specimens for 7 March 1931: 3

17 March 1931

Congo (Democratic Republic of the): Lukolela: Chapin, James Paul: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 17 March 1931: 6

31 March 1931

Madagascar: Soalala: Delacour, Jean B. Theodore: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1931: 1

3 April 1931

Cameroon: Batanga: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1931: 1

20 April 1931

Congo (Democratic Republic of the): Ganda-Sundi: Chapin, James Paul: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 April 1931: 2

27 April 1931

Cameroon: Sakbayeme: Reis, J.A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 April 1931: 1

7 May 1931

Congo (Democratic Republic of the): Kiambi: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1931: 1

14 May 1931

Namibia: Mount Brukaros: Sordahl, L.O.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 14 May 1931: 5

20 May 1931

Namibia: Keetmannshoop: Sordahl, L.O.: USNM: 1 [1 - **1** - **1**].
South Africa: New Mucelneuck: Roberts, V.: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 May 1931: 2

1 June 1931

Madagascar: Tampina: Bluntschli, Hans Georg Hermann: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 1 June 1931: 6

5 June 1931

Madagascar: Tampina: Bluntschli, Hans Georg Hermann: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1931: 1

13 June 1931

Cameroon: Sakbayeme: Reis, J.A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1931: 1

18 June 1931

Madagascar: Tampina: Bluntschli, Hans Georg Hermann: AMNH: 9 [9 - **9** - **9**].

Total Specimens for 18 June 1931: 9

21 June 1931

Congo (Democratic Republic of the): Stanleyville: Schwetz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1931: 1

25 June 1931

Congo (Democratic Republic of the): Lukolela: Lecocq: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1931: 1

1 July 1931

Congo (Democratic Republic of the): Kadia: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Madagascar: Behara: Decary, Raymond: MCZ: 12 [12 - **12** - **12**].

Total Specimens for 1 July 1931: 13

3 July 1931

South Africa: Sheila No. 10: White, A.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1931: 1

6 July 1931

South Africa: Sheila No. 10: White, A.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1931: 1

10 July 1931

Egypt: Cairo: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1931: 1

14 July 1931

Tanzania: Lipumba: Naumann; Eichert: SMTD: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1931: 1

22 July 1931

South Africa: Grahamstown: Roberts, Austin: TM: 1 [1 - **1**] - Kleinpoort: Roberts, Austin: TM: 4 [4 - **4** - **5**].

Total Specimens for 22 July 1931: 5

24 July 1931

South Africa: Kleinpoort: Roberts, Austin: TM: 5 [5 - **5** - **5**].

Total Specimens for 24 July 1931: 5

27 July 1931

South Africa: Kleinpoort: Roberts, Austin: TM: 2 [2 - **2** - **2**].

Total Specimens for 27 July 1931: 2

29 July 1931

Cameroon: Sakbayeme: Reis, J.A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1931: 1

31 July 1931

Congo (Democratic Republic of the): Lukolela: Lecocq: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1931: 1

1 August 1931

"Africa": Unknown locality: Heim de Balsac, Henri: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 1 August 1931: 2

4 August 1931

Sudan: Fung: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1931: 1

7 August 1931

Cameroon: Sakbayeme: Reis, J.A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1931: 1

12 August 1931

Cameroon: Sakbayeme, Masok: Reis, J.A.: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 12 August 1931: 8

16 August 1931

Namibia: Omatagous: Chapman, C.P.: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1931: 1

20 August 1931

South Africa: Lower Sabi Camp: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1931: 1

21 August 1931

South Africa: Lower Sabi Camp: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1931: 1

22 August 1931

South Africa: Kleinpoort: Purnell, W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1931: 1

10 September 1931

South Africa: Letaba Ranch: Haas, F.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1931: 1

11 September 1931

Cameroon: Ngobilo: Reis, J.A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 September 1931: 1

16 September 1931

Cameroon: Son Jem: Reis, J.A.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 16 September 1931: 4

27 September 1931

South Africa: King William's Town: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1931: 1

28 September 1931

South Africa: King William's Town: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1931: 1

2 October 1931

South Africa: King William's Town: Turnbull, Jack K.: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 2 October 1931: 2

3 October 1931

South Africa: King William's Town: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1931: 1

8 October 1931

South Africa: Pretoria: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1931: 1

10 October 1931

South Africa: King William's Town: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1931: 1

11 October 1931

South Africa: Fir Glen: Parker, Noel: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1931: 1

14 October 1931

South Africa: King William's Town: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1931: 1

18 October 1931

South Africa: Pretoria: Roberts, Austin; Bedford, G.A.H.: TM: 3 [3 - **3** - **3**].

Total Specimens for 18 October 1931: 3

26 October 1931

South Africa: Irene: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1931: 1

1 November 1931

South Africa: Garsfontein: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1931: 1

3 November 1931

South Africa: Pretoria: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1931: 1

10 November 1931

Zambia: Nsombo: ?: Collector Unknown: SMF: 1 [1]; Haas, F.: SMF: 2 [2 - **3** - **3**].

Total Specimens for 10 November 1931: 3

16 November 1931

Madagascar: Amboasary: Bluntschli, Hans Georg Hermann: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1931: 1

24 November 1931

South Africa: King William's Town: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1931: 1

10 December 1931

South Africa: Pretoria: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1931: 1

23 December 1931

South Africa: Zoetvlei: Bradfield: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1931: 1

1 January 1932

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - Dilolo: Delvaux: RMCA: 1 [1 - **1**] - Luluabourg: Romieux, Jean: MHNG: 1 [1 - **1** - **3**].
Madagascar: High Fanjahira, valley: Grandidier Collection, The: MCZ: 5 [5 - **5**] - Mistinjo: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Morondava: Darcis, Georges: MCZ: 2 [2 - **2**] - Tranoroa: Grandidier Collection, The: MCZ: 1 [1 - **1**] - Tsiombe-Androy: Grandidier Collection, The: MCZ: 1 [1 - **1** - **10**].

Total Specimens for 1 January 1932: 13

14 January 1932

Congo (Democratic Republic of the): Dubulu: Bredo, H.J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1932: 1

24 January 1932

South Africa: King William's Town: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1932: 1

1 February 1932

Madagascar: Moramanga: Decary, Raymond: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 1 February 1932: 2

2 February 1932

Cameroon: Besogabang: Sanderson, Ivan T.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1932: 1

4 February 1932

South Africa: Pretoria: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1932: 1

9 February 1932

South Africa: Pretoria: Noome, F.O.: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1932: 1

1 March 1932

Congo (Democratic Republic of the): Lovoi: Quarré: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1932: 1

4 March 1932

South Africa: Pretoria: Smith, L.; Smith, D.: TM: 1 [1]; The Mines, L.; Smith, D.: TM: 1 [1 - **2** - **2**].

Total Specimens for 4 March 1932: 2

29 March 1932

South Africa: King William's Town: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1932: 1

4 April 1932

Madagascar: Tsiombe-Androy: Decary, Raymond: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1932: 1

1 May 1932

Madagascar: Fort Dauphin, near: Decary, Raymond: MCZ: 2 [2 - **2** - **2**].
Zambia: Chipata: Lancaster, D. Gordon: KM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1932: 3

24 May 1932

Madagascar: Mongakatompo: Rand, Austin Loomer: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 24 May 1932: 2

31 May 1932

Cameroon: Lumbindu: Merfield, F.G.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1932: 1

1 June 1932

Angola: Cambisa: Monard, Albert: RMCA: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Lukulu: Remaele: RMCA: 1 [1 - **1** - **1**].
Madagascar: Tranoroa: Decary, Raymond: MCZ: 12 [12 - **12**] - Tsimilofo: Decary, Raymond: MCZ: 3 [3 - **3** - **15**].

Total Specimens for 1 June 1932: 17

16 June 1932

Cameroon: Kanyol Village: Merfield, F.G.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1932: 1

1 July 1932

Madagascar: Lower Fiherenana Valley: Decary, Raymond: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1932: 1

2 July 1932

South Africa: Port St Johns: Turner, H.J.A.: KM: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1932: 1

11 July 1932

Cameroon: Mey Joss Village: Merfield, F.G.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1932: 1

25 July 1932

Egypt: Unknown locality: de Selys-Longschamps, Edmond: RBINS: 1 [1 - **1** - **1**].
South Africa: Durban: de Selys-Longschamps, Edmond: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1932: 2

1 August 1932

Congo (Democratic Republic of the): Semliki River, banks: Hackars, Henri Martin; Marlier, Georges: RMCA: 1 [1 - **1** - **1**].

Liberia: Ganta: Harley, G.W.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 August 1932: 4

7 August 1932

South Africa: 40 miles W of War Grave, Molopo River: Chivers, U.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1932: 1

15 August 1932

South Africa: Frederikstad: Lawrence, F.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1932: 1

17 August 1932

Morocco: Xerafat: Morales, A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1932: 1

10 September 1932

Liberia: Ganta: Harley, G.W.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1932: 1

14 September 1932

Congo (Democratic Republic of the): Katanda Road, km 411: Burgeon: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1932: 1

18 September 1932

Nigeria: Ikotmbo: Sanderson, Ivan T.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1932: 1

23 September 1932

Cameroon: Batouri district: Powell-Cotton, Percy Horace Gordon: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 23 September 1932: 2

1 October 1932

Congo (Democratic Republic of the): Beni: Hackars, Henri Martin: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1932: 1

20 October 1932

Congo (Democratic Republic of the): Beni: Hackars, Henri Martin: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1932: 1

29 October 1932

Congo (Democratic Republic of the): Katana: Burgeon: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1932: 1

10 November 1932

Congo (Democratic Republic of the): Inkongo: Wilson, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1932: 1

15 November 1932

Congo (Democratic Republic of the): Lukolela: Lecocq: RMCA: 1 [1 - **1** - **1**].

Lesotho: Teyateyaneng: Guilbormod, Jacot: TM: 2 [2 - **2** - **2**].

Total Specimens for 15 November 1932: 3

23 November 1932

Angola: Humpata: Bradley, Lee S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1932: 1

24 November 1932

Angola: Humpata: Bradley, Lee S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1932: 1

29 November 1932

Angola: Humpata: Phipps; Bradley, Lee S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1932: 1

2 December 1932

South Africa: Punda Milia Camp: Long, H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1932: 1

3 December 1932

Cameroon: Sakbayeme: Reis, J.A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1932: 1

10 December 1932

Cameroon: Mamfe: Sanderson, Ivan T.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1932: 1

15 December 1932

Congo (Democratic Republic of the): Luvungi: Burgeon: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1932: 1

23 December 1932

South Africa: Bedford: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1932: 1

28 December 1932

Burundi: Nyanza-Lac: Burgeon: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1932: 1

29 December 1932

South Africa: Kaggasmoudt: Turnbull, Jack K.: NM: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1932: 1

1 January 1933

Cameroon: Lélo: ?: Collector Unknown: NMV: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Elisabethville: Kerkvoorde: RMCA: 1 [1 - **1**] - Vista: Dartevelle: RMCA: 1 [1 - **1** - **2**].
Madagascar: Fort Dauphin: Decary, Raymond: MCZ: 11 [11 - **11** - **11**].
Mozambique: Inhaminga: : SMF: 1 [1]; Hofmann, K: SMF: 1 [1 - **2** - **2**].
Rwanda: Kigali: Becquet: RMCA: 1 [1 - **1** - **1**].
South Africa: Natal: Coghill, D.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1933: 19

3 January 1933

Angola: Kuvangu Mission: Monard, Albert: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1933: 1

5 January 1933

South Africa: Farm Uitkyk: van Son, G.: TM: 2 [2 - **2** - **2**].

Total Specimens for 5 January 1933: 2

6 January 1933

South Africa: Farm Uitkyk: ?: Collector Unknown: TM: 2 [2]; van Son, G.: TM: 2 [2 - **4**] - Mogale City [=Krugersdorp]: van Son, G.: TM: 1 [1 - **1** - **5**].

Total Specimens for 6 January 1933: 5

7 January 1933

South Africa: Farm Uitkyk: ?: Collector Unknown: TM: 2 [2]; van Son, G.: TM: 2 [2 - **4**] - Kaggasmoudt: Turnbull, Jack K.: KM: 1 [1 - **1**] - Mogale City [=Krugersdorp]: van Son, G.: TM: 2 [2 - **2** - **7**].

Total Specimens for 7 January 1933: 7

10 January 1933

Central African Republic: Bozoum: Blancou, Lucien: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1933: 1

11 January 1933

South Africa: Kaggasmoudt: Turnbull, Jack K.: KM: 9 [9 - **9** - **9**].

Total Specimens for 11 January 1933: 9

21 January 1933

Cameroon: Eshobi: Sanderson, Ivan T.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 January 1933: 2

23 January 1933

South Africa: Tzaneen: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 23 January 1933: 2

30 January 1933

South Africa: Farm Uitkyk: van Son, G.: TM: 6 [6 - **6**] - Mogale City [=Krugersdorp]: van Son, G.: TM: 1 [1 - **1**] - Witkhyk [=Uitkyk, Farm]: ?: Collector Unknown: BRTC: 1 [1 - **1** - **8**].

Total Specimens for 30 January 1933: 8

31 January 1933

South Africa: Tzaneen: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 31 January 1933: 2

9 February 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1933: 1

11 February 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 1 [1]; Phipps; Bradley, Lee S.: AMNH: 2 [2 - **3** - **3**].

Total Specimens for 11 February 1933: 3

12 February 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 1 [1]; Phipps; Bradley, Lee S.: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 12 February 1933: 2

13 February 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 4 [4]; Buchanan, W.J.: AMNH: 1 [1]; Phipps; Bradley, Lee S.: AMNH: 2 [2 - **7** - **7**].

Total Specimens for 13 February 1933: 7

14 February 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1933: 1

16 February 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 16 February 1933: 6

17 February 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 17 February 1933: 5

21 February 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 1 [1]; Phipps; Bradley, Lee S.: AMNH: 2 [2 - **3** - **3**].

Total Specimens for 21 February 1933: 3

27 February 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 February 1933: 1

2 March 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 5 [5 - **5**] - Kuvango Mission: Monard, Albert: RMCA: 1 [1 - **1** - **6**].

Total Specimens for 2 March 1933: 6

4 March 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 10 [10]; Howard, J.A.: KU: 1 [1 - **11** - **11**].

Total Specimens for 4 March 1933: 11

6 March 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 9 [9 - **9** - **9**].

Total Specimens for 6 March 1933: 9

7 March 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1933: 1

9 March 1933

Angola: Chitau: Bradley, Lee S.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 March 1933: 2

11 March 1933

Cameroon: Obala: Merfield, F.G.: PCMB: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1933: 1

14 March 1933

Congo (Democratic Republic of the): Lukolela: Lecocq: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1933: 1

30 March 1933

Cameroon: Sangmelima: Good, A.I.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1933: 1

20 April 1933

Congo (Democratic Republic of the): Katanda: Hackars, Henri Martin; Marlier, Georges: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1933: 1

24 April 1933

South Africa: Pretoria: Noome, F.O.: TM: 4 [4 - **4** - **4**].

Total Specimens for 24 April 1933: 4

25 April 1933

South Africa: Pretoria: White, A.G.: MCZ: 1 [1 - **1**] - Rosslyn: White, A.G.: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 25 April 1933: 2

26 April 1933

South Africa: Pretoria: White, A.G.: MCZ: 2 [2 - **2**] - Rosslyn: White, A.G.: MCZ: 2 [2 - **2** - **4**].

Total Specimens for 26 April 1933: 4

2 May 1933

Cameroon: Obala: Merfield, F.G.: PCMB: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1933: 1

14 May 1933

Cameroon: Sangmelima: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1933: 1

22 May 1933

Cameroon: Sangmelima: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1933: 1

10 July 1933

Congo (Democratic Republic of the): Bobandana: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1933: 1

19 July 1933

South Africa: Msinyini pan: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 19 July 1933: 2

27 July 1933

Tanzania: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 27 July 1933: 2

28 July 1933

South Africa: Klaserie-Olifant River Confluence: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1933: 1

6 August 1933

South Africa: Ingwavuma: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1933: 1

7 August 1933

South Africa: Ingwavuma: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 7 August 1933: 2

15 August 1933

South Africa: Ingwavuma: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1933: 1

4 September 1933

South Africa: Ingwavuma, village: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1933: 1

7 September 1933

South Africa: Ingwavumia: Roberts, Austin: TM: 6 [6]; Roberts, Austin; Wilson, B.: TM: 2 [2]; Roberts, Austin; Wilson, R.: TM: 1 [1 - **9** - **9**].

Total Specimens for 7 September 1933: 9

8 September 1933

South Africa: Ingwavumia: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1933: 1

22 September 1933

South Africa: Ndumu store: ?: Collector Unknown: TM: 16 [16 - **16** - **16**].

Total Specimens for 22 September 1933: 16

28 September 1933

Congo (Democratic Republic of the): Vitshumbi: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1933: 1

1 October 1933

Congo (Democratic Republic of the): Vitshumbi: Hackars, Henri Martin: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 October 1933: 2

11 October 1933

Namibia: Klein Windhoek: Burrard, C.; Jordan, Karl: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 11 October 1933: 2

1 November 1933

Rwanda: Bugoye Kisenyi: Hackars, Henri Martin: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 1 November 1933: 3

8 November 1933

Namibia: Otjosongombe: Hoesch, W.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1933: 1

10 November 1933

Congo (Democratic Republic of the): Tshambi: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 10 November 1933: 2

13 November 1933

Uganda: Mount Debasien: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1933: 1

1 December 1933

Madagascar: Lower Fiherenana Valley: Decary, Raymond: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1933: 1

7 December 1933

Uganda: Sebei: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 7 December 1933: 2

18 December 1933

Uganda: Sipi: Loveridge, Arthur: MCZ: 6 [6 - **6** - **6**].

Total Specimens for 18 December 1933: 6

21 December 1933

Uganda: Sipi: Loveridge, Arthur: MCZ: 6 [6 - **6** - **6**].

Total Specimens for 21 December 1933: 6

23 December 1933

Uganda: Sipi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1933: 1

1 January 1934

Algeria: Djanet: Foley, Henry: MNHN: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Elisabethville: Quarré: RMCA: 1 [1 - **1**] - Kivu region: Babault, Guy: MCZ: 6 [6 - **6**] - Lake Kivu, near: Babault, Guy: MCZ: 2 [2 - **2** - **9**].

Total Specimens for 1 January 1934: 12

4 January 1934

Kenya: Mount Elgon: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1934: 1

7 January 1934

Kenya: Lamu Island, Southeast Coast: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1934: 1

8 January 1934

Kenya: Lamu Island: Loveridge, Arthur: MCZ: 5 [5 - **5**] - Lamu Island, Southeast Coast: Loveridge, Arthur: MCZ: 3 [3 - **3** - **8**].

Total Specimens for 8 January 1934: 8

9 January 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 9 January 1934: 2

10 January 1934

Uganda: Butandiga: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1934: 1

12 January 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1934: 1

13 January 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1934: 1

18 January 1934

Kenya: Golbanti: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Kitau: Loveridge, Arthur: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 18 January 1934: 2

20 January 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1934: 1

23 January 1934

Kenya: Kirui: Loveridge, Arthur: MCZ: 11 [11 - **11**] - Mount Elgon: Loveridge, Arthur: MCZ: 2 [2 - **2** - **13**].

Total Specimens for 23 January 1934: 13

24 January 1934

Kenya: Mount Elgon: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1934: 1

25 January 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1934: 1

26 January 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1934: 1

27 January 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 27 January 1934: 3

28 January 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1934: 1

29 January 1934

Kenya: Kirui: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Mkonumbi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 29 January 1934: 2

1 February 1934

Cameroon: Ebolowa: Little, Luther: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1934: 1

4 February 1934

Kenya: Mount Elgon: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 4 February 1934: 2

5 February 1934

Kenya: Mount Elgon: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1934: 1

6 February 1934

Cameroon: Sangmelima: Good, A.I.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1934: 1

9 February 1934

South Africa: Pretoria: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1934: 1

13 February 1934

Congo (Democratic Republic of the): Mongbwalu: Jordens: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1934: 1

19 February 1934

Senegal: Fatick: Wonder, Frank C.: FMNH: 27 [27 - **27** - **27**].

Total Specimens for 19 February 1934: 27

25 February 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1934: 1

26 February 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 26 February 1934: 2

27 February 1934

Kenya: Kaimosi: Loveridge, Arthur: MCZ: 2 [2 - **2**] - Kakamega: Loveridge, Arthur: CM: 1 [1 - **1** - **3**].

Total Specimens for 27 February 1934: 3

1 March 1934

Congo (Democratic Republic of the): Dilolo station: Richard: RMCA: 1 [1 - **1** - **1**].
Kenya: Kaimosi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1934: 2

14 March 1934

Kenya: Kikuyu: Loveridge, Arthur: MCZ: 12, USNM: 1 [13 - **13** - **13**].

Total Specimens for 14 March 1934: 13

15 March 1934

Namibia: Okahandja: Hoesch, W.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1934: 1

21 March 1934

Mali: Sotuba: Wonder, Frank C.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 March 1934: 3

24 March 1934

Mali: Bamako: Wonder, Frank C.: FMNH: 1 [1 - **1**] - Sotuba: Wonder, Frank C.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 24 March 1934: 2

25 March 1934

Mali: Sotuba: Wonder, Frank C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 March 1934: 2

27 March 1934

Mali: Sotuba: Wonder, Frank C.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 27 March 1934: 7

28 March 1934

Mali: Sotuba: Wonder, Frank C.: FMNH: 15 [15 - **15** - **15**].

Total Specimens for 28 March 1934: 15

30 March 1934

Kenya: Tsavo: Loveridge, Arthur: MCZ: 7 [7 - **7** - **7**].
Mali: Sotuba: Wonder, Frank C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1934: 8

31 March 1934

Namibia: Okahandja: Hoesch, W.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1934: 1

3 April 1934

Namibia: Okahandja: Hoesch, W.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1934: 1

4 April 1934

Namibia: Okahandja: Hoesch, W.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1934: 1

5 April 1934

Mali: Sotuba: Wonder, Frank C.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 5 April 1934: 3

6 April 1934

Mali: Moribabougou: Wonder, Frank C.: FMNH: 1 [1 - **1**] - Sotuba: Wonder, Frank C.: FMNH: 22 [22 - **22** - **23**].

Total Specimens for 6 April 1934: 23

7 April 1934

Kenya: Voi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Mali: Bamako, 7 km E: Wonder, Frank C.: MCZ: 1 [1 - **1**] - Sotuba: Wonder, Frank C.: FMNH: 8 [8 - **8** - **9**].

Total Specimens for 7 April 1934: 10

8 April 1934

Mali: Sotuba: Wonder, Frank C.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 8 April 1934: 4

11 April 1934

Kenya: Voi: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Mali: Sotuba: Wonder, Frank C.: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 11 April 1934: 12

12 April 1934

Mali: Sotuba: Strauss; West Africa Expedition, the: FMNH: 1 [1]; Wonder, Frank C.: FMNH: 16 [16 - **17** - **17**].

Total Specimens for 12 April 1934: 17

13 April 1934

Mali: Sotuba: Wonder, Frank C.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 13 April 1934: 4

19 April 1934

Senegal: Fatick: Wonder, Frank C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 April 1934: 2

23 April 1934

Kenya: Mbololo, mount: Loveridge, Arthur: CM: 1, MCZ: 7 [8 - **8** - **8**].

Total Specimens for 23 April 1934: 8

28 April 1934

Kenya: Bat island: Lake Rudolf Rift Valley Expedition 1934, The: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 28 April 1934: 2

1 May 1934

Congo (Democratic Republic of the): Molindi river: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1934: 1

3 May 1934

Cameroon: Sangmelima: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1934: 1

7 May 1934

Kenya: Lamu Island, Southeast Coast: Loveridge, Arthur: MCZ: 5 [5 - **5** - **5**].

Total Specimens for 7 May 1934: 5

8 May 1934

Kenya: Lamu Island: Loveridge, Arthur: FMNH: 1, MCZ: 6 [7 - **7**] - Lamu Island, Southeast Coast: Loveridge, Arthur: MCZ: 2 [2 - **2** - **9**].

Total Specimens for 8 May 1934: 9

18 May 1934

Senegal: Kedougou: Wonder, Frank C.: FMNH: 6 [6 - **6**] - Tambacounda: Wonder, Frank C.: FMNH: 1 [1 - **1** - **7**].

Total Specimens for 18 May 1934: 7

19 May 1934

Senegal: Kedougou: Wonder, Frank C.: FMNH: 3, USNM: 1 [4 - **4** - **4**].

Total Specimens for 19 May 1934: 4

20 May 1934

Senegal: Kedougou: ?: Collector Unknown: FMNH: 2 [2]; Wonder, Frank C.: FMNH: 34, MCZ: 2, USNM: 2 [38 - **40** - **40**].

Total Specimens for 20 May 1934: 40

1 June 1934

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 10 [10 - **10** - **10**].
Kenya: Ngatana: Loveridge, Arthur: MCZ: 5 [5 - **5**] - Witu: Loveridge, Arthur: MCZ: 2 [2 - **2** - **7**].

Total Specimens for 1 June 1934: 17

5 June 1934

Kenya: Ngatana: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1934: 1

12 June 1934

South Africa: Pretoria: Wortzel, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 June 1934: 1

14 June 1934

Kenya: Ngatana: Loveridge, Arthur: MCZ: 11 [11 - **11** - **11**].

Total Specimens for 14 June 1934: 11

20 June 1934

Congo (Democratic Republic of the): Pania-Mutombo: Pierrepont, R.S.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1934: 1

21 June 1934

Cameroon: Buéa: Boulton, Rudyerd: FMNH: 2 [2 - **2**] - Mount Cameroon: Boulton, Rudyerd: FMNH: 3 [3 - **3** - **5**].
South Africa: Farm Mokeetsi 376: Mare, D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1934: 6

22 June 1934

Kenya: Mbololo, mount: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1934: 1

26 June 1934

Congo (Democratic Republic of the): Kasende: Pierrepont, R.S.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1934: 1

2 July 1934

Cameroon: Buéa: Boulton, Rudyerd: FMNH: 3 [3 - **3**] - Mount Cameroon: Boulton, Rudyerd: FMNH: 10 [10 - **10** - **13**].

Total Specimens for 2 July 1934: 13

5 July 1934

Congo (Democratic Republic of the): Kasende: Pierrepont, R.S.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1934: 1

6 July 1934

Congo (Democratic Republic of the): Kasende: Pierrepont, R.S.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1934: 1

15 July 1934

Cameroon: Buea: Boulton, Rudyerd: USNM: 1 [1 - **1**] - Buéa: Boulton, Rudyerd: FMNH: 8 [8 - **8** - **9**].

Total Specimens for 15 July 1934: 9

1 August 1934

Congo (Democratic Republic of the): Elisabethville: Richard: RMCA: 1 [1 - **1**] - Kalanda: Bennett, B.L.: MCZ: 1 [1 - **1**] - Vitshumbi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **3**].

Total Specimens for 1 August 1934: 3

5 August 1934

Nigeria: Ifon: Boulton, Rudyerd: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 August 1934: 2

6 August 1934

Nigeria: Ifon: Boulton, Rudyerd: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 6 August 1934: 3

7 August 1934

Congo (Democratic Republic of the): Kalanda: Bennett, B.L.: MCZ: 1 [1 - **1** - **1**].
Nigeria: Ifon: Boulton, Rudyerd: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 7 August 1934: 4

8 August 1934

Congo (Democratic Republic of the): Kalanda: Bennett, B.L.: MCZ: 1 [1 - **1** - **1**].
Nigeria: Ifon: Boulton, Rudyerd: FMNH: 6 [6]; Boulton, Rudyerd; Boulton, Laura: MCZ: 1 [1 - **7** - **7**].

Total Specimens for 8 August 1934: 8

15 August 1934

Cameroon: Sangmelima: Good, A.I.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1934: 1

17 August 1934

Cameroon: Sangmelima: Good, A.I.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1934: 1

18 October 1934

South Africa: Eshowe: de Meillon, B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1934: 1

1 November 1934

Congo (Democratic Republic of the): Rwindi: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 November 1934: 2

5 November 1934

Congo (Democratic Republic of the): May Ya Moto: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 5 November 1934: 2

15 November 1934

South Africa: Eshowe: de Meillon, B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1934: 1

1 December 1934

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].
South Africa: Townlands: Roberts, V.H.A.: CM: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1934: 2

7 December 1934

Ghana: Goaso: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].
South Africa: Eshowe: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1934: 2

11 December 1934

South Africa: Eshowe: de Meillon, B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1934: 1

17 December 1934

South Africa: Alice: Hanchuan: KM: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1934: 1

18 December 1934

South Africa: Eshowe: de Meillon, B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1934: 1

19 December 1934

Congo (Democratic Republic of the): Kamande: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
South Africa: Alice: Hendunan: KM: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1934: 2

1 January 1935

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - Kampala: Babault, Guy: MCZ: 1 [1 - **1**] - Lake Kivu, near: Babault, Guy: MCZ: 4 [4 - **4** - **7**].
Tanzania: Ugano: Zerny, Hans: NMW: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1935: 8

20 January 1935

Tanzania: Mawere: Carnochan, Frederic Grosvenor: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1935: 1

1 March 1935

Congo (Democratic Republic of the): Kampala: Grandidier Collection, The: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 1 March 1935: 2

11 March 1935

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1935: 1

17 March 1935

Kenya: Voi: Benzon, Boye: ZMUC: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1935: 1

6 April 1935

Cameroon: Victoria: Rosevear, Donovan Reginald: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1935: 1

8 April 1935

South Africa: Brooklyn: Roberts, V.H.A.: CM: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1935: 1

11 May 1935

South Africa: Eshowe: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1935: 1

25 May 1935

Cameroon: Batowri district: Powell-Cotton Museum, The: BMNH: 5 [5 - **5** - **5**].

Total Specimens for 25 May 1935: 5

1 June 1935

Congo (Democratic Republic of the): Mulungu: Leroy, J.V.: RMCA: 1 [1 - **1**] - Rutshuru: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 1 June 1935: 2

26 June 1935

South Africa: Mutale River: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1935: 1

30 June 1935

South Africa: Motale River: Noome White Expedition, The: TM: 1 [1 - **1**] - Mutale River: ?: Collector Unknown: TM: 2 [2 - **2** - **3**].

Total Specimens for 30 June 1935: 3

1 July 1935

Congo (Democratic Republic of the): Eala: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1935: 1

4 July 1935

South Africa: Motale river: Noome White Expedition, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1935: 1

12 July 1935

South Africa: Sibasa: White, A.G.: TM: 16 [16 - **16** - **16**].

Total Specimens for 12 July 1935: 16

11 September 1935

Congo (Democratic Republic of the): Kivu: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 11 September 1935: 2

27 September 1935

"Africa": Unknown locality: Espie, Ian W.: KU: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1935: 1

22 October 1935

Tanzania: Dar es Salaam: Dinkelacker: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1935: 1

28 October 1935

South Africa: Irene: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1935: 1

1 November 1935

Congo (Democratic Republic of the): Thysville: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 1 November 1935: 2

5 December 1935

South Africa: Sikangwana: Bell-Marley, H.W.: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1935: 1

9 December 1935

Zimbabwe: Melsetter district: White, A.G.: TM: 2 [2 - **2**] - Selinda: White, A.G.: TM: 1 [1 - **1**] - Silinda, mount: White, A.G.: TM: 2 [2 - **2** - **5**].

Total Specimens for 9 December 1935: 5

1 January 1936

Tanzania: Ugano plantation: Zerny, Hans: NMW: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1936: 1

8 January 1936

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 8 January 1936: 3

13 January 1936

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1936: 1

17 January 1936

South Africa: Onderstepoort: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1936: 1

19 January 1936

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1936: 1

28 January 1936

Cameroon: Lolodorf: Good, A.I.: CM: 2 [2 - **2** - **2**].

Total Specimens for 28 January 1936: 2

1 February 1936

Mali: Bamako: Rode, Paul: MNHN: 5 [5 - **5** - **5**].

Total Specimens for 1 February 1936: 5

26 February 1936

South Africa: Pretoria: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1936: 1

2 March 1936

Chad: N'Djamena: Malbrant, René: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1936: 1

29 March 1936

Kenya: Guaso Nyro River, 10 mi SW: Christensen, Gardell D.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1936: 1

1 April 1936

Congo (Democratic Republic of the): Boma: Schwetz: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 1 April 1936: 8

6 April 1936

Ethiopia: Dire Daoua: Uhlenhuth: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1936: 1

16 April 1936

Ethiopia: Dire Daoua: Uhlenhuth: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1936: 1

20 April 1936

Cameroon: Yaoude, due S: Johnson, S.E.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1936: 1

27 April 1936

South Africa: Port St. Johns: ?: Collector Unknown: TM: 1 [1]; Swinny, H.H.: TM: 1 [1 - **2** - **2**].

Total Specimens for 27 April 1936: 2

28 April 1936

South Africa: Port St. Johns: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1936: 1

30 April 1936

South Africa: Port St Johns: Swinny, H.H.: TM: 1 [1 - **1**] - Port St. Johns: ?: Collector Unknown: TM: 1 [1]; Swinny, H.H.: TM: 1 [1 - **2** - **3**].

Total Specimens for 30 April 1936: 3

1 May 1936

South Africa: Port St. Johns: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1936: 1

2 May 1936

South Africa: Port St. Johns: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1936: 1

3 May 1936

South Africa: Port St. Johns: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1936: 1

12 June 1936

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 12 June 1936: 2

21 June 1936

Ethiopia: Dire Daoua: Uhlenhuth: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1936: 1

30 June 1936

Angola: Dondi: Prior, K.H.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1936: 1

1 July 1936

Congo (Democratic Republic of the): Kasanga: Schwetz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1936: 1

16 July 1936

Zambia: Balovale: Jones; Vaughan, T.G.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1936: 1

1 August 1936

Congo (Democratic Republic of the): Eala: Ghesquière, J.: RMCA: 2 [2 - **2** - **2**].
Zimbabwe: Lunzi River: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1936: 3

1 September 1936

Congo (Democratic Republic of the): Kimbemba cataracts: Schwetz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1936: 1

20 October 1936

South Africa: Witwater, 25 mi W: Shortridge, Guy Chester: MCZ: 4 [4 - **4** - **4**].

Total Specimens for 20 October 1936: 4

26 October 1936

Namibia: Onguma: Hoesch, W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1936: 1

6 November 1936

South Africa: King William's Town: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1936: 1

29 November 1936

Namibia: Otjosangombe: Hoesch, W.: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 29 November 1936: 3

30 November 1936

Namibia: Otjosangombe: Hoesch, W.: MCZ: 1 [1 - **1**] - Waterberg Plateau Park: Hoesch, W.: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 30 November 1936: 2

3 December 1936

Namibia: Otjosangombe: Hoesch, W.: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 3 December 1936: 3

15 December 1936

Namibia: Otjosangombe: Hoesch, W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1936: 1

16 December 1936

South Africa: Klein Namaqualand, Garies: Shortridge, Guy Chester: KM: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1936: 1

27 December 1936

South Africa: Good house Bay: Shortridge, Guy Chester: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1936: 1

29 December 1936

South Africa: Farm Goodhouse 23: Shortridge, Guy Chester: KM: 1 [1 - **1**] - Goodhouse: Shortridge, Guy Chester: KM: 2 [2 - **2** - **3**].

Total Specimens for 29 December 1936: 3

30 December 1936

South Africa: Farm Goodhouse 23: Shortridge, Guy Chester: KM: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1936: 1

31 December 1936

Congo (Democratic Republic of the): Pawa: Degotte: RMCA: 2 [2 - **2** - **2**].
South Africa: Farm Goodhouse 23: Shortridge, Guy Chester: KM: 1 [1 - **1**] - Goodhouse: Shortridge, Guy Chester: KM: 5 [5 - **5** - **6**].

Total Specimens for 31 December 1936: 8

1 January 1937

Congo (Democratic Republic of the): Mutwanga: Hackars, Henri Martin: RMCA: 2 [2 - **2** - **2**].
Ethiopia: Lake Tana: Dainelli, Giotto: MZUF: 1 [1 - **1** - **1**].
Guinea-Bissau: Mansoa: Monard, Albert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1937: 4

2 January 1937

Namibia: Goodhouse: Shortridge, Guy Chester: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1937: 1

3 January 1937

Namibia: Otjosangombe: Hoesch, W.: MCZ: 1 [1 - **1** - **1**].
South Africa: Farm Goodhouse 23: Shortridge, Guy Chester: KM: 1 [1 - **1**] - Goodhouse: Shortridge, Guy Chester: KM: 1 [1 - **1** - **2**].

Total Specimens for 3 January 1937: 3

7 January 1937

Ghana: Mampong: Webb, G.S.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1937: 1

16 January 1937

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1937: 1

1 March 1937

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1937: 1

13 March 1937

Ethiopia: Gorgora: Dainelli, Giotto: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1937: 1

18 March 1937

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1937: 1

22 March 1937

Ghana: Prang: Webb, G.S.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 22 March 1937: 2

24 March 1937

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1937: 1

25 March 1937

Ethiopia: Gorgorá, Lago di Tana: Castelli: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1937: 1

30 March 1937

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1937: 1

1 May 1937

Algeria: El Golea: Laurent, P.: FMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1937: 3

29 May 1937

Namibia: Oshikanga: Barlow: TM: 1 [1]; Barlow TM-Expedition, the: TM: 4 [4 - **5** - **5**].

Total Specimens for 29 May 1937: 5

1 June 1937

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 7 [7 - **7**] - Bukama: Brien: RMCA: 1 [1 - **1** - **8**].
South Africa: Ranshas Ld: White, A.G.: BRTC: 1 [1 - **1** - **1**].
Swaziland: Ranches LTD: ?: Collector Unknown: TM: 7 [7]; White, A.G.: MCZ: 2 [2 - **9** - **9**].

Total Specimens for 1 June 1937: 18

10 June 1937

Congo (Democratic Republic of the): Libenge: Leontovitch: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1937: 1

1 July 1937

Congo (Democratic Republic of the): Angumu: Chapin, James Paul: AMNH: 1 [1 - **1**] - Rutshuru: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 1 July 1937: 2

9 July 1937

Namibia: Liebig's Ranch: Barlow: TM: 3 [3 - **3** - **3**].

Total Specimens for 9 July 1937: 3

15 July 1937

Namibia: Windhoek: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1937: 1

1 August 1937

Congo (Democratic Republic of the): Mutwanga: Hackars, Henri Martin: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1937: 1

5 August 1937

Tanzania: Mbulu: Cooper, B.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 August 1937: 2

10 August 1937

Namibia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Kochina: ?: Collector Unknown: BRTC: 1, TM: 8 [9 - **9** - **10**].

Total Specimens for 10 August 1937: 10

15 August 1937

South Africa: Farm Goodhouse 23: Barlow TM-Expedition, the: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1937: 1

31 August 1937

South Africa: Van Wyksvlei: Barlow TM-Expedition, the: TM: 6 [6 - **6** - **6**].

Total Specimens for 31 August 1937: 6

1 September 1937

Congo (Democratic Republic of the): Mutwanga: Hackars, Henri Martin: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 September 1937: 2

30 September 1937

South Africa: Onderstepoort: Zoological Survey, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1937: 1

1 October 1937

Eritrea: Asmara: Ignesti, Ugo: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1937: 1

10 October 1937

Congo (Democratic Republic of the): Gumba: Deheyn, Jean Jacques: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 10 October 1937: 2

15 October 1937

Cameroon: Lolodorf: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 15 October 1937: 1

28 October 1937

Cameroon: Unknown locality: Mertens, Robert: SMF: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1937: 1

1 November 1937

Congo (Democratic Republic of the): Mutwanga: Hackars, Henri Martin: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1937: 1

19 November 1937

Congo (Democratic Republic of the): Kunungu: N'Kele: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1937: 1

24 November 1937

Guinea-Bissau: Ponta Robalo: Monard, Albert: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1937: 1

25 November 1937

Guinea-Bissau: Bissalanca: Monard, Albert: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 November 1937: 2

1 December 1937

Guinea-Bissau: Mansoa: Monard, Albert: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1937: 1

5 December 1937

Congo (Democratic Republic of the): Tshapona: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1937: 1

11 December 1937

Guinea-Bissau: Mansoa: Monard, Albert: NMBA: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1937: 1

12 December 1937

Guinea-Bissau: Mansoa: Monard, Albert: MHNC: 1, NMBA: 2 [3 - **3** - **3**].

Total Specimens for 12 December 1937: 3

14 December 1937

Guinea-Bissau: Mansoa: Monard, Albert: MHNG: 1 [1 - **1** - **1**].
Zimbabwe: Vumba: White, A.G.: MCZ: 2, TM: 3 [5 - **5** - **5**].

Total Specimens for 14 December 1937: 6

17 December 1937

Guinea-Bissau: Mansoa: Monard, Albert: NMBA: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1937: 1

19 December 1937

Algeria: Algiers: Laurent, P.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 December 1937: 2

21 December 1937

South Africa: Daspoort: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 December 1937: 1

22 December 1937

Zimbabwe: Selinda, mount: White, A.G.: MCZ: 1 [1 - **1**] - Silinda, mount: White, A.G.: TM: 1 [1 - **1** - **2**].

Total Specimens for 22 December 1937: 2

28 December 1937

South Africa: Hex River Estates: Shortridge, Guy Chester; Carter, T. Donald: KM: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1937: 1

1 January 1938

Algeria: Ouarsenis, Djebel: Laurent, R.: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kilwa: Bredo, H.J.: RMCA: 1 [1 - **1**] - Ndwa: Ngwe: RMCA: 1 [1 - **1**] - Yangambi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **3**].
Madagascar: Ankarafantsika Forest: Decary, Raymond: MCZ: 2 [2 - **2**] - Western Madagascar: Decary, Raymond: FMNH: 2 [2 - **2** - **4**].

Total Specimens for 1 January 1938: 8

3 January 1938

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].
South Africa: Hex River Estates: Shortridge, Guy Chester; Carter, T. Donald: KM: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1938: 2

6 January 1938

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1938: 1

8 January 1938

Congo (Democratic Republic of the): Rutshuru: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1938: 1

10 January 1938

Congo (Democratic Republic of the): Rutshuru: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1938: 1

11 January 1938

Zimbabwe: Birchenough Bridge: ?: Collector Unknown: TM: 1 [1 - **1**] - Birchenough Bridge, 11.2 km W: White, A.G.: TM: 6 [6 - **6** - **7**].

Total Specimens for 11 January 1938: 7

12 January 1938

Zimbabwe: Birchenough Bridge, 11.2 km W: White, A.G.: TM: 2 [2 - **2** - **2**].

Total Specimens for 12 January 1938: 2

14 January 1938

Rwanda: Gabiro: Frechkop, Serge: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 January 1938: 2

15 January 1938

Rwanda: Kagera National Park: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 15 January 1938: 2

16 January 1938

Rwanda: Gabiro: ?: Collector Unknown: RBINS: 1 [1]; Frechkop, Serge: RMCA: 2 [2 - **3** - **3**].

Total Specimens for 16 January 1938: 3

19 January 1938

Rwanda: Gabiro: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Kagera National Park: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].
South Africa: Compagnies Drift: Shortridge, Guy Chester: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1938: 3

20 January 1938

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].
Guinea-Bissau: Sama: Monard, Albert: MHNC: 1 [1 - **1** - **1**].
South Africa: Compagnies Drift: Shortridge, Guy Chester: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1938: 3

25 January 1938

Congo (Democratic Republic of the): Rutshuru: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1938: 1

1 February 1938

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1938: 1

4 February 1938

Cameroon: Bimbia: Eisentraut, Martin: ZMB: 4 [4 - **4** - **4**].

Total Specimens for 4 February 1938: 4

10 February 1938

South Africa: Het Kruis: Geldenhuys, P.J.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1938: 1

15 February 1938

South Africa: Het Kruis: Geldenhuys, P.J.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1938: 1

21 February 1938

Cameroon: Tombel: Eisentraut, Martin: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1938: 1

24 February 1938

Congo (Democratic Republic of the): Rutshuru: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1938: 1

26 February 1938

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1938: 1

1 March 1938

Congo (Democratic Republic of the): Rutshuru: Frechkop, Serge: RMCA: 1 [1]; Ghesquière, J.: RMCA: 1 [1 - **2** - **2**].

Total Specimens for 1 March 1938: 2

3 March 1938

Cameroon: Mobange-Isongo: Eisentraut, Martin: SMNS: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].
Madagascar: Antananarivo: Decary, Raymond: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 3 March 1938: 5

4 March 1938

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 4 March 1938: 2

5 March 1938

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].
Guinea-Bissau: Madina Boé: Monard, Albert: NMBA: 2, RMCA: 1 [3 - **3** - **3**].

Total Specimens for 5 March 1938: 4

7 March 1938

Congo (Democratic Republic of the): Vitshumbi: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 7 March 1938: 2

9 March 1938

Cameroon: Mobange-Isongo: Eisentraut, Martin: SMNS: 3 [3 - **3** - **3**].
Guinea-Bissau: Madina Boé: Monard, Albert: NMBA: 2, RMCA: 1 [3 - **3** - **3**].

Total Specimens for 9 March 1938: 6

10 March 1938

Congo (Democratic Republic of the): Rutshuru: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 10 March 1938: 2

21 March 1938

Egypt: Luxor: Nelson, H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 March 1938: 2

23 March 1938

South Africa: Waterberg, Vaalwater: Venter, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1938: 1

24 March 1938

Congo (Democratic Republic of the): Rutshuru: Ghesquière, J.: RMCA: 2 [2 - **2** - **2**].
South Africa: Pirie Forest: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1938: 3

25 March 1938

Egypt: Luxor: Nelson, H.: FMNH: 6 [6 - **6** - **6**].
South Africa: Pirie Forest: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1938: 7

26 March 1938

Egypt: Luxor: Nelson, H.: FMNH: 13 [13 - **13** - **13**].

Total Specimens for 26 March 1938: 13

28 March 1938

South Africa: Pirie Forest: Carter, T. Donald: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 28 March 1938: 4

31 March 1938

Congo (Democratic Republic of the): Rutshuru: Frechkop, Serge: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1938: 1

1 April 1938

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1938: 1

4 April 1938

South Africa: King William's Town: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1938: 1

8 April 1938

Cameroon: Lolodorf: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1938: 1

10 April 1938

Congo (Democratic Republic of the): Libenge: Leontovitch: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1938: 1

26 April 1938

Kenya: Voi: Goodwin, George G.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 26 April 1938: 3

27 April 1938

Kenya: Voi: Goodwin, George G.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 April 1938: 1

28 April 1938

Kenya: Voi: Goodwin, George G.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 April 1938: 3

29 April 1938

Kenya: Voi: Goodwin, George G.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 April 1938: 2

30 April 1938

Congo (Democratic Republic of the): Rutshuru: Frechkop, Serge: RBINS: 1 [1 - **1** - **1**].
Kenya: Voi: Goodwin, George G.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 30 April 1938: 4

1 May 1938

Kenya: Voi: Goodwin, George G.: AMNH: 17 [17 - **17** - **17**].

Total Specimens for 1 May 1938: 17

2 May 1938

Kenya: Voi: Goodwin, George G.: AMNH: 7 [7 - **7** - **7**].

Total Specimens for 2 May 1938: 7

5 May 1938

Kenya: Kiabasi: Goodwin, George G.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1938: 1

6 May 1938

Kenya: Kiabasi: Goodwin, George G.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 May 1938: 2

7 May 1938

Congo (Democratic Republic of the): Kyniamahura: Frechkop, Serge: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 7 May 1938: 2

8 May 1938

Congo (Democratic Republic of the): Kinyamahura: Frechkop, Serge: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 8 May 1938: 2

9 May 1938

Kenya: Kiabasi: Goodwin, George G.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1938: 1

11 May 1938

South Africa: Eshowe: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1938: 1

18 May 1938

Kenya: Voi: Goodwin, George G.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1938: 1

27 May 1938

Kenya: Moctow, 50 mi S [=Maktau, 50 mi S]: Goodwin, George G.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1938: 1

29 May 1938

Congo (Democratic Republic of the): Alipago: Vrijdagh, J.M.: RMCA: 2 [2 - **2**] - Rutshuru: Frechkop, Serge: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 29 May 1938: 3

31 May 1938

Congo (Democratic Republic of the): Rutshuru: Frechkop, Serge: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1938: 1

3 June 1938

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 3 June 1938: 2

10 June 1938

Rwanda: Katjumbura: Frechkop, Serge: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1938: 1

22 June 1938

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1938: 1

24 June 1938

Tanzania: Ugano: : NMW: 1 [1 - **1**] - Ugano plantation: Zimmer, John Todd: NMW: 1 [1 - **1** - **2**].

Total Specimens for 24 June 1938: 2

26 June 1938

Congo (Democratic Republic of the): Kuleponge: Vrijdagh, J.M.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 26 June 1938: 6

12 July 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 1 [1 - **1**] - Limulunga: : AMNH: 1 [1]; Carter, T. Donald: AMNH: 1 [1 - **2** - **3**].

Total Specimens for 12 July 1938: 3

13 July 1938

Zambia: Limulunga: : AMNH: 9 [9]; Carter, T. Donald: AMNH: 15 [15 - **24** - **24**].

Total Specimens for 13 July 1938: 24

14 July 1938

Zambia: Limulunga: : AMNH: 14 [14 - **14** - **14**].

Total Specimens for 14 July 1938: 14

15 July 1938

Zambia: Limulunga: : AMNH: 3 [3 - **3** - **3**].

Total Specimens for 15 July 1938: 3

16 July 1938

Zambia: Limulunga: : AMNH: 3 [3 - **3** - **3**].

Total Specimens for 16 July 1938: 3

17 July 1938

Zambia: Limulunga: : AMNH: 7 [7 - **7** - **7**].

Total Specimens for 17 July 1938: 7

18 July 1938

Zambia: Limulunga: : AMNH: 7 [7 - **7** - **7**].

Total Specimens for 18 July 1938: 7

19 July 1938

Zambia: Limulunga: : AMNH: 12 [12 - **12** - **12**].

Total Specimens for 19 July 1938: 12

20 July 1938

Zambia: Limulunga: : AMNH: 7 [7 - **7** - **7**].

Total Specimens for 20 July 1938: 7

21 July 1938

Zambia: Limulunga: : AMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 July 1938: 2

22 July 1938

Zambia: Limulunga: : AMNH: 4 [4 - **4** - **4**].

Total Specimens for 22 July 1938: 4

24 July 1938

Zambia: Limulunga: : AMNH: 5 [5 - **5** - **5**].

Total Specimens for 24 July 1938: 5

29 July 1938

Sierra Leone: Rokupr: Glanville, R.R.: BMNH: 1 [1 - **1** - **1**].
Zambia: Limulunga: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1938: 2

1 August 1938

Zambia: Limulunga: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1938: 1

2 August 1938

Cameroon: Lolodorf: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1938: 1

3 August 1938

Zambia: Limulunga: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1938: 1

14 August 1938

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1938: 1

15 August 1938

Cameroon: Lolodorf: Good, A.I.: CM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1938: 1

16 August 1938

Congo (Democratic Republic of the): Bomili: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1938: 1

17 August 1938

Congo (Democratic Republic of the): Bomili: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1938: 1

18 August 1938

Congo (Democratic Republic of the): Kele cave 1: Bequaert, J.: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 18 August 1938: 9

24 August 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1938: 1

27 August 1938

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 27 August 1938: 2

2 September 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1938: 1

5 September 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1938: 1

9 September 1938

Namibia: Otjimbojo: Niethammer, Günther: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 9 September 1938: 2

10 September 1938

Cameroon: Lolodorf: Good, A.I.: MCZ: 1 [1 - **1** - **1**].
Sierra Leone: Petifu: Glanville, R.R.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 September 1938: 3

16 September 1938

Zambia: Balovale: Carter, T. Donald; Shortridge, Guy Chester (Captain); Vernay Kaffrarian Museum Expedition, The: KM: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1938: 1

17 September 1938

South Africa: Millwood goldmine: Van Oordt, Gregorius Johannes: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1938: 1

18 September 1938

South Africa: Lignite cave: Engel, H.C.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 18 September 1938: 2

20 September 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1938: 1

21 September 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 September 1938: 3

23 September 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 23 September 1938: 4

24 September 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 10 [10 - **10** - **10**].

Total Specimens for 24 September 1938: 10

25 September 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 15 [15 - **15** - **15**].

Total Specimens for 25 September 1938: 15

26 September 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 26 September 1938: 4

27 September 1938

Egypt: Luxor, near: Nelson, H.: FMNH: 7 [7 - **7** - **7**].
South Africa: King William's Town: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1938: 8

28 September 1938

Zambia: Balovale: Carter, T. Donald; Shortridge, Guy Chester (Captain); Vernay Kaffrarian Museum Expedition, The: KM: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1938: 1

30 September 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1938: 1

1 October 1938

Zambia: Balovale: : AMNH: 7 [7 - **7** - **7**].

Total Specimens for 1 October 1938: 7

2 October 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1938: 1

3 October 1938

Egypt: Luxor, near: Nelson, H.: FMNH: 13 [13 - **13** - **13**].
Zambia: Balovale: : AMNH: 4 [4]; Carter, T. Donald: AMNH: 2 [2 - **6** - **6**].

Total Specimens for 3 October 1938: 19

5 October 1938

Zambia: Balovale: : AMNH: 3 [3]; Carter, T. Donald: AMNH: 1 [1 - **4** - **4**].

Total Specimens for 5 October 1938: 4

6 October 1938

Zambia: Balovale: : AMNH: 1 [1]; Carter, T. Donald: AMNH: 8 [8 - **9** - **9**].

Total Specimens for 6 October 1938: 9

8 October 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 7 [7 - **7** - **7**].

Total Specimens for 8 October 1938: 7

9 October 1938

South Africa: Nyellele River: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Zambia: Balovale: : AMNH: 1 [1]; Carter, T. Donald: AMNH: 9, HZM: 1 [10 - **11** - **11**].

Total Specimens for 9 October 1938: 12

10 October 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 1 [1]; Carter, T. Donald; Shortridge, Guy Chester (Captain); Vernay Kaffrarian Museum Expedition, The: SMF: 1 [1 - **2** - **2**].

Total Specimens for 10 October 1938: 2

11 October 1938

Zambia: Balovale: : AMNH: 6 [6 - **6** - **6**].

Total Specimens for 11 October 1938: 6

12 October 1938

Sudan: Wad Medani: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].
Zambia: Balovale: : AMNH: 2 [2]; Carter, T. Donald: AMNH: 6 [6]; Shortridge, Guy Chester; Carter, T. Donald: NMZL: 1 [1 - **9** - **9**].

Total Specimens for 12 October 1938: 10

13 October 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 13 October 1938: 3

14 October 1938

Burundi: Usumbura: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1938: 1

16 October 1938

Zambia: Balovale: Carter, T. Donald: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 October 1938: 2

17 October 1938

Tanzania: Matete river: Kohl-Larsen expedition, the: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1938: 1

1 November 1938

Egypt: Luxor, near: Nelson, H.: WAM: 2 [2 - **2** - **2**].

Total Specimens for 1 November 1938: 2

4 November 1938

Tanzania: Kizimkazi: Pakenham, Richard Hercules Wingfield: BMNH: 5 [5 - **5** - **5**].

Total Specimens for 4 November 1938: 5

5 November 1938

Congo (Democratic Republic of the): Busu Mokalu: Baudart: RMCA: 6 [6 - **6** - **6**].
Uganda: Budongo Forest: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1938: 7

8 November 1938

Congo (Democratic Republic of the): Pawa: Degotte: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1938: 1

10 November 1938

Congo (Democratic Republic of the): Ibambi: Degotte: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1938: 1

11 November 1938

Congo (Democratic Republic of the): Ibambi: Degotte: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1938: 1

22 November 1938

Egypt: Luxor, near: Nelson, H.: FMNH: 4 [4 - **4** - **4**].
Zambia: Livingstone: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1938: 5

24 November 1938

Uganda: Buchanan Sawmills: Loveridge, Arthur: MCZ: 22 [22 - **22**] - Budongo Forest: Loveridge, Arthur: MCZ: 1 [1 - **1** - **23**].

Total Specimens for 24 November 1938: 23

26 November 1938

Uganda: Budongo Forest: Loveridge, Arthur: MCZ: 9 [9 - **9** - **9**].

Total Specimens for 26 November 1938: 9

27 November 1938

Tanzania: Kizimkazi: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1938: 1

30 November 1938

Guinea-Bissau: Unknown locality: Nederlandse Biologische Exc.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1938: 1

1 December 1938

Congo (Democratic Republic of the): Kasongo: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Kasongo Mwana: ?: Collector Unknown: RBINS: 19 [19 - **19** - **20**].

Total Specimens for 1 December 1938: 20

2 December 1938

Egypt: Luxor, near: Nelson, H.: FMNH: 2 [2 - **2** - **2**].
Uganda: Budongo Forest: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1938: 3

8 December 1938

Tanzania: Mbweni: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1938: 1

9 December 1938

Egypt: Luxor, near: Nelson, H.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 9 December 1938: 6

10 December 1938

Egypt: Luxor, near: Nelson, H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1938: 1

14 December 1938

Egypt: Luxor, near: Nelson, H.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 14 December 1938: 4

19 December 1938

Congo (Democratic Republic of the): Kisiki: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **1**].
Uganda: Kibale Forest: Loveridge, Arthur: MCZ: 5 [5 - **5** - **5**].

Total Specimens for 19 December 1938: 6

22 December 1938

Congo (Democratic Republic of the): Kisiki: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1938: 1

27 December 1938

Egypt: Luxor, near: Nelson, H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1938: 1

30 December 1938

Egypt: Luxor, near: Nelson, H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1938: 1

1 January 1939

Uganda: Mihunga: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1939: 1

11 January 1939

Congo (Democratic Republic of the): Stanleyville: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1939: 1

12 January 1939

Uganda: Minunga: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1939: 1

17 January 1939

Congo (Democratic Republic of the): Banalia: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1939: 1

20 January 1939

South Africa: Compagnies Drift: Shortridge, Guy Chester: HZM: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1939: 1

23 January 1939

Tanzania: Pemba island: Pakenham, Richard Hercules Wingfield: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 23 January 1939: 2

26 January 1939

Congo (Democratic Republic of the): Banalia: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1939: 1

27 January 1939

Egypt: Luxor, near: Nelson, H.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 27 January 1939: 5

28 January 1939

Congo (Democratic Republic of the): Banalia: Hodgson, Duncan M.; Coultas, William F.: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 28 January 1939: 2

13 February 1939

Congo (Democratic Republic of the): Gemena: Leontovitch: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1939: 1

15 February 1939

Sierra Leone: Makeni: Glanville, R.R.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1939: 1

19 February 1939

Congo (Democratic Republic of the): Kimvuadu: Vleeschouwers, C.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1939: 1

1 March 1939

South Africa: Uitenhage district: Pringle, J.A.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1939: 1

4 March 1939

Congo (Democratic Republic of the): Idjwi, Island: Loveridge, Arthur: MCZ: 4 [4 - **4** - **4**].
Egypt: Luxor, near: Nelson, H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 March 1939: 5

7 March 1939

South Africa: Farm Secheili's Oude Stad 6: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1939: 1

8 March 1939

South Africa: Farm Secheili's Oude Stad 6: Museum Expedition, The: TM: 1 [1]; Transvaal Museum Expedition, The: TM: 1 [1 - **2** - **2**].

Total Specimens for 8 March 1939: 2

3 April 1939

Tanzania: Kitaya: Loveridge, Arthur: MCZ: 11 [11 - **11** - **11**].

Total Specimens for 3 April 1939: 11

6 April 1939

South Africa: King Williamstown: ?: Collector Unknown: KM: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1939: 1

15 April 1939

Tanzania: Mikindani: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 15 April 1939: 2

17 April 1939

Egypt: Luxor, near: Nelson, H.: FMNH: 19 [19 - **19** - **19**].

Total Specimens for 17 April 1939: 19

26 April 1939

Tanzania: Mbanja [= Mbangala]: Loveridge, Arthur: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 26 April 1939: 3

28 April 1939

Tanzania: Mbanja [= Mbangala]: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1939: 1

1 May 1939

Congo (Democratic Republic of the): Kanzenze mission: ?: Collector Unknown: RBINS: 1 [1]; Lefébure, R.P.: RBINS: 1 [1 - **2** - **2**].

Total Specimens for 1 May 1939: 2

2 May 1939

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Deheyn, Jean Jacques: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 2 May 1939: 3

3 May 1939

Tanzania: Mbanja [= Mbangala]: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1939: 1

4 May 1939

Tanzania: Mbanja [= Mbangala]: Loveridge, Arthur: MCZ: 14 [14 - **14** - **14**].

Total Specimens for 4 May 1939: 14

6 May 1939

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Deheyn, Jean Jacques: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 6 May 1939: 2

7 May 1939

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Deheyn, Jean Jacques: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1939: 1

23 May 1939

Congo (Democratic Republic of the): Boende: Wynants, R.P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1939: 1

24 May 1939

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: Deheyn, Jean Jacques: RMCA: 1 [1 - **1** - **1**].
Tanzania: Mkoani: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1939: 2

30 May 1939

Congo (Democratic Republic of the): Mongbwalu: Janssens: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 30 May 1939: 2

1 June 1939

Cameroon: Musaké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Bukama: Brien: RMCA: 1 [1 - **1**] - Katanga: ?: Collector Unknown: RBINS: 1 [1 - **1** - **3**].
Swaziland: Ranches LTD: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Zambia: Luakela River: White, Charles Matthew Newton: AMNH: 21 [21 - **21**] - Luakera River: : SMF: 1 [1 - **1** - **22**].

Total Specimens for 1 June 1939: 28

4 June 1939

Congo (Democratic Republic of the): Boende: Wynants, R.P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1939: 1

6 June 1939

Tanzania: Siga caves: Loveridge, Arthur: MCZ: 25 [25 - **25** - **25**].

Total Specimens for 6 June 1939: 25

7 June 1939

Congo (Democratic Republic of the): Mongbwalu: Janssens: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1939: 1

8 June 1939

Tanzania: Siga caves: Loveridge, Arthur: MCZ: 53 [53 - **53**] - Tanga, near: Loveridge, Arthur: MCZ: 13 [13 - **13** - **66**].

Total Specimens for 8 June 1939: 66

9 June 1939

Tanzania: Tanga, near: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 9 June 1939: 1

10 June 1939

Tanzania: Siga caves: Loveridge, Arthur: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 10 June 1939: 3

14 June 1939

Tanzania: Siga caves: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1939: 1

21 June 1939

South Africa: Mokeetsi: Mare, D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1939: 1

26 June 1939

Tanzania: Magrotto Estate: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1939: 1

29 June 1939

Tanzania: Magrotto Estate: Loveridge, Arthur: MCZ: 9 [9 - **9** - **9**].

Total Specimens for 29 June 1939: 9

1 July 1939

Tanzania: Magrotto mountains: Loveridge, Arthur: MCZ: 10 [10 - **10** - **10**].
Zambia: Luakela River: White, Charles Matthew Newton: AMNH: 1 [1 - **1**] - Mwinilunga: White, Charles Matthew Newton: AMNH: 11 [11 - **11** - **12**].

Total Specimens for 1 July 1939: 22

11 July 1939

Malawi: Ncheu [=Ntcheu]: Benson, Constantine ("Con") Walter: TM: 1 [1 - **1** - **1**].
Tanzania: Magrotto Estate: Loveridge, Arthur: MCZ: 19 [19 - **19** - **19**].

Total Specimens for 11 July 1939: 20

12 July 1939

Kenya: Shimba Hills: ?: Collector Unknown: KU: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1939: 1

13 July 1939

Tanzania: Magrotto Estate: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1939: 1

21 July 1939

Congo (Democratic Republic of the): Mongbwalu: Lepersonne: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 21 July 1939: 4

26 July 1939

Tanzania: Mkvani: Pakenham, Richard Hercules Wingfield: MCZ: 3 [3 - **3** - **3**].

Total Specimens for 26 July 1939: 3

29 July 1939

Tanzania: Mkvani: Pakenham, Richard Hercules Wingfield: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 29 July 1939: 2

1 August 1939

Zambia: Mwinilunga district: White, Charles Matthew Newton: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 August 1939: 2

4 August 1939

Tanzania: Mkanyagini: Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1939: 1

10 August 1939

Congo (Democratic Republic of the): Kabare: Schwetz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1939: 1

14 August 1939

Congo (Democratic Republic of the): Mongbwalu: Janssens: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1939: 1

15 August 1939

Kenya: Elgon cave: Schwartz, A.: KU: 1 [1 - **1** - **1**].
Malawi: Ncheu [=Ntcheu]: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1939: 2

25 August 1939

Malawi: Ncheu [=Ntcheu]: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1939: 1

1 September 1939

South Africa: Hilgobbin Dargler: Frannin, G.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1939: 1

9 September 1939

Equatorial Guinea: Musola: Eidmann, H.: ZMB: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1939: 1

12 September 1939

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 September 1939: 1

15 September 1939

Cameroon: Bipindi: Tate, George Henry Hamilton: AMNH: 1 [1 - **1** - **1**].
Malawi: Ncheu [=Ntcheu]: Benson, Constantine ("Con") Walter: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1939: 2

16 September 1939

Malawi: Ncheu [=Ntcheu]: Benson, Constantine ("Con") Walter: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1939: 1

18 September 1939

Congo (Democratic Republic of the): Yangambi: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1939: 1

20 September 1939

Malawi: Ncheu [=Ntcheu]: Benson: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1939: 1

21 September 1939

Malawi: Ncheu [=Ntcheu]: ?: Collector Unknown: TM: 1 [1]; Benson, Constantine ("Con") Walter: TM: 2 [2 - **3** - **3**].

Total Specimens for 21 September 1939: 3

22 September 1939

Cameroon: Bipindi: Tate, George Henry Hamilton: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1939: 1

25 September 1939

Congo (Democratic Republic of the): Boende: Wijnant, E.P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 September 1939: 1

26 September 1939

Cameroon: Bipindi: Tate, George Henry Hamilton: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 26 September 1939: 2

27 September 1939

Malawi: Ncheu [=Ntcheu]: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1939: 1

28 September 1939

South Africa: Onderstepoort: Zoological Survey, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1939: 1

1 October 1939

Cameroon: Bipindi: Tate, George Henry Hamilton: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1939: 1

24 October 1939

Tanzania: Wetu: Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1939: 1

26 October 1939

Malawi: Ncheu [=Ntcheu]: ?: Collector Unknown: TM: 2 [2]; Benson: TM: 1 [1]; Benson, Constantine ("Con") Walter: TM: 1 [1 - **4** - **4**].

Total Specimens for 26 October 1939: 4

31 October 1939

Congo (Democratic Republic of the): Kasenyi: Lepersonne: RMCA: 1 [1 - **1** - **1**].
Malawi: Ncheu [=Ntcheu]: Benson, Constantine ("Con") Walter: TM: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1939: 2

1 November 1939

Zambia: Cave near Mujimbe Hill: White, Charles Matthew Newton: AMNH: 8 [8 - **8** - **8**].

Total Specimens for 1 November 1939: 8

8 November 1939

Malawi: Ncheu [=Ntcheu]: Benson, Constantine ("Con") Walter: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1939: 1

12 November 1939

Tanzania: Niete: Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1939: 1

21 November 1939

Tanzania: Mangapwani: Pakenham, Richard Hercules Wingfield: MCZ: 6 [6 - **6** - **6**].

Total Specimens for 21 November 1939: 6

22 November 1939

Malawi: Ncheu [=Ntcheu]: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1939: 1

23 November 1939

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 23 November 1939: 3

1 December 1939

Central African Republic: Bangui: Paulian, Renaud; Lepesme, Pierre: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1939: 1

5 December 1939

Malawi: Chinteche: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1939: 1

14 December 1939

Zimbabwe: Vumba: White, A.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1939: 1

1 January 1940

Liberia: Harbel: Mann, William M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1940: 1

14 January 1940

Tanzania: Fondo Island: Pakenham, Richard Hercules Wingfield: MCZ: 4 [4 - **4** - **4**].

Total Specimens for 14 January 1940: 4

22 January 1940

Tanzania: Maziwa ya Ngombe: Pakenham, Richard Hercules Wingfield: MCZ: 5 [5 - **5**] - Maziwangombe: Pakenham, Richard Hercules Wingfield: MCZ: 3 [3 - **3**] - Pemba island: Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **1** - **9**].

Total Specimens for 22 January 1940: 9

23 January 1940

Tanzania: Bumbwini: Pakenham, Richard Hercules Wingfield: MCZ: 6 [6 - **6** - **6**].

Total Specimens for 23 January 1940: 6

9 February 1940

Malawi: Chinteche: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].

Total Specimens for 9 February 1940: 6

15 March 1940

Congo (Democratic Republic of the): Boende: Wynants, R.P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1940: 1

22 April 1940

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 22 April 1940: 2

24 April 1940

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1940: 1

5 May 1940

Congo (Democratic Republic of the): Unknown locality: NATURE ???: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1940: 1

10 May 1940

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1940: 1

1 June 1940

Congo (Democratic Republic of the): Musosa, near: ?: Collector Unknown: RBINS: 3 [3]; Bredo, H.J.: RBINS: 1 [1 - **4** - **4**].

Total Specimens for 1 June 1940: 4

18 June 1940

South Africa: Wildeharthoek: Heyneke, B.R.T.: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1940: 1

28 June 1940

Liberia: Duside Plantation: Tate, George Henry Hamilton: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 June 1940: 3

29 June 1940

South Africa: Port Elizabeth: Pringle, J.A.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 29 June 1940: 1

30 June 1940

Liberia: Duside Plantation: Tate, George Henry Hamilton: AMNH: 1 [1 - **1** - **1**].
Zambia: Luakela River: White, G.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1940: 2

1 July 1940

Chad: Fort Archambault: Fogle, F.L.: FMNH: 2 [2 - **2** - **2**].
South Africa: Port Elizabeth: Pringle, J.A.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1940: 3

30 July 1940

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1940: 1

2 August 1940

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1940: 1

7 August 1940

Liberia: Duside Plantation: Tate, George Henry Hamilton: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1940: 1

18 August 1940

Sudan: Barakat: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1940: 1

24 August 1940

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1940: 1

27 August 1940

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 27 August 1940: 2

18 September 1940

Madagascar: Causse de Namoroka: : FMNH: 3 [3]; Decary, Raymond: FMNH: 3 [3 - **6** - **6**].
Uganda: Kagolomolo-Busi island: Schwartz, A.: KU: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1940: 7

7 October 1940

"Africa": Unknown locality: Roberts, Austin: NHMZ: 1 [1 - **1** - **1**].
South Africa: Mitchells Pass: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1940: 2

18 October 1940

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1940: 1

26 October 1940

South Africa: Zoetendalsvlei: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1940: 1

5 November 1940

South Africa: Grootvadersbosch: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin: TM: 1 [1 - **2** - **2**].

Total Specimens for 5 November 1940: 2

6 November 1940

South Africa: Grootvadersbosch: ?: Collector Unknown: BRTC: 1, TM: 2 [3]; Roberts, Austin: TM: 4 [4 - **7** - **7**].

Total Specimens for 6 November 1940: 7

7 November 1940

South Africa: Mitchells Pass: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1940: 1

9 November 1940

South Africa: Stillbaai: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1940: 1

18 November 1940

South Sudan: Kagelu: Myers, John Golding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1940: 1

7 December 1940

South Sudan: Mount Otogo, summit: Myers, John Golding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1940: 1

10 December 1940

South Sudan: Kagelu: Myers, John Golding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1940: 1

12 December 1940

South Sudan: Kagelu: Myers, John Golding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1940: 1

16 December 1940

Kenya: Isiola: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1940: 1

1 January 1941

Congo (Democratic Republic of the): Kipangaribwe river: Grauvet, R.: RBINS: 1 [1 - **1**] - Musosa, near: ?: Collector Unknown: RBINS: 1 [1]; Bredo, H.J.: RBINS: 2 [2 - **3** - **4**].
Niger: Maradi: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Tanzania: Mafia Island: Piggott, D.W.I.: NMK: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1941: 7

26 January 1941

Tanzania: Chake Chake: Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1941: 1

8 February 1941

South Africa: Mazelfontein: Sopper, H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1941: 1

12 April 1941

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1941: 1

13 April 1941

Congo (Democratic Republic of the): Ango cave: Vrijdagh, J.M.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 13 April 1941: 3

14 April 1941

Congo (Democratic Republic of the): Ango: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1941: 1

29 April 1941

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1941: 1

1 May 1941

Congo (Democratic Republic of the): Musosa, near: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1941: 2

2 May 1941

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1941: 1

14 May 1941

Congo (Democratic Republic of the): Bambesa: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1941: 1

15 May 1941

Zambia: Mweru Wantipa: Bredo, H.J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1941: 1

10 August 1941

Namibia: Oserikari: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1941: 1

14 August 1941

Sudan: Wad Medani: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1941: 1

23 August 1941

South Africa: King Williamstown: Benkenstein: KM: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1941: 1

14 September 1941

Namibia: Ombu: Barlow TM-Expedition, The; Roberts, Austin: TM: 2 [2]; Roberts, Austin: TM: 3 [3 - **5** - **5**].

Total Specimens for 14 September 1941: 5

17 September 1941

Namibia: Ombu: Barlow TM-Expedition, The; Roberts, Austin: TM: 2 [2]; Roberts, Austin: TM: 2 [2 - **4** - **4**].

Total Specimens for 17 September 1941: 4

18 September 1941

Namibia: Ombu: ?: Collector Unknown: BRTC: 1 [1]; : SMF: 1 [1]; Barlow TM-Expedition, The; Roberts, Austin: TM: 4 [4]; Roberts, Austin: FMNH: 1, TM: 2 [3 - **9** - **9**].
South Africa: Venterskroon: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1941: 10

19 September 1941

Namibia: Unknown locality: Roberts, Austin: TM: 1 [1 - **1**] - Ombu: ?: Collector Unknown: TM: 1 [1]; Barlow TM-Expedition, The; Roberts, Austin: TM: 3 [3]; Roberts, Austin: TM: 4 [4 - **8** - **9**].

Total Specimens for 19 September 1941: 9

20 September 1941

Namibia: Ombu: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin: TM: 3 [3 - **4** - **4**].

Total Specimens for 20 September 1941: 4

22 September 1941

Botswana: Kanye: Arnold, H.J.: TM: 1 [1 - **1** - **1**].
Namibia: Ombu: Roberts, Austin: SMF: 1, TM: 10 [11 - **11** - **11**].

Total Specimens for 22 September 1941: 12

28 September 1941

Namibia: Omaruru: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1941: 1

30 September 1941

Congo (Democratic Republic of the): Léopoldville: Fiasse, R.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 30 September 1941: 2

13 October 1941

Namibia: New Dam: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1941: 1

19 October 1941

Congo (Democratic Republic of the): Bosodula: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1941: 1

1 January 1942

Congo (Democratic Republic of the): Léopoldville: Fiasse, R.: RMCA: 1 [1 - **1** - **1**].
Rwanda: Kisenyi: Van Saceghem, R.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1942: 2

1 February 1942

Congo (Democratic Republic of the): Léopoldville: Becquet: RMCA: 2 [2]; Fiasse, R.: RMCA: 1 [1 - **3** - **3**].

Total Specimens for 1 February 1942: 3

7 February 1942

Congo (Democratic Republic of the): Yangambi: Van Boven, R.P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1942: 1

1 March 1942

Congo (Democratic Republic of the): Léopoldville: Fiasse, R.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1942: 1

27 March 1942

Cameroon: Ebolowa: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1942: 1

20 April 1942

Congo (Democratic Republic of the): Mahagi: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1942: 1

24 April 1942

Congo (Democratic Republic of the): Ogondjo: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1942: 1

9 May 1942

Sudan: Wad Medani: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1942: 1

12 May 1942

Congo: Mouyondzi: Maclatchy, Alain; Malbrant, René: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 12 May 1942: 5

18 June 1942

Congo: Komono: Maclatchy, Alain; Malbrant, René: AMNH: 10 [10 - **10** - **10**].

Total Specimens for 18 June 1942: 10

16 July 1942

Congo (Democratic Republic of the): Léopoldville: Colback: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 16 July 1942: 2

5 August 1942

Congo (Democratic Republic of the): Yangambi: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1942: 1

1 September 1942

Congo (Democratic Republic of the): Mvuazi: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1942: 1

8 October 1942

Congo (Democratic Republic of the): Kakonda: Hendricks, F.L.: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 8 October 1942: 4

25 October 1942

Congo (Democratic Republic of the): Bosodula: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1942: 1

1 November 1942

Congo: Brazzaville: Maclatchy, Alain; Malbrant, René: AMNH: 11 [11 - **11**] - Brazzaville, near: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3** - **14**].
Congo (Democratic Republic of the): Léopoldville: Fiasse, R.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1942: 15

12 November 1942

Congo (Democratic Republic of the): Léopoldville: Fiasse, R.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1942: 1

1 January 1943

Congo: Kinkala: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1**] - Mouyondzi: Maclatchy, Alain; Malbrant, René: AMNH: 6 [6 - **6** - **7**].

Total Specimens for 1 January 1943: 7

5 January 1943

Congo (Democratic Republic of the): Ngerere Lepi: de Wilde, J.: RBINS: 4 [4 - **4** - **4**].

Total Specimens for 5 January 1943: 4

6 January 1943

Congo (Democratic Republic of the): Ngerere Lepi: de Wilde, J.: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 6 January 1943: 2

14 January 1943

South Africa: Cares: Colback: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 January 1943: 2

16 January 1943

Congo: Pointe-Noire: Maclatchy, Alain; Malbrant, René: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 16 January 1943: 4

15 March 1943

Congo (Democratic Republic of the): Léopoldville: Colback: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1943: 1

7 April 1943

Congo: N'Gabi: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 7 April 1943: 3

9 April 1943

Congo: N'Gabi: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 April 1943: 1

12 April 1943

Uganda: Mbale: Hopkins, G.H.E.: AMNH: 3 [3 - **3** - **3**].
Zambia: Kasempa: Button, E.J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1943: 4

14 April 1943

Congo: N'Gabi: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 14 April 1943: 3

20 April 1943

Congo: N'Gabi: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1943: 1

22 April 1943

Congo: N'Gabi: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 22 April 1943: 3

6 May 1943

Congo: N'Gabi: Maclatchy, Alain; Malbrant, René: AMNH: 7 [7 - **7** - **7**].

Total Specimens for 6 May 1943: 7

18 May 1943

Congo: Brazzaville: Maclatchy, Alain; Malbrant, René: AMNH: 4 [4 - **4**] - N'Gabi: Maclatchy, Alain; Malbrant, René: AMNH: 2 [2 - **2** - **6**].

Total Specimens for 18 May 1943: 6

27 May 1943

South Africa: King Williamstown: ?: Collector Unknown: KM: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1943: 1

1 June 1943

Congo (Democratic Republic of the): Musosa, near: ?: Collector Unknown: RBINS: 1 [1]; Bredo, H.J.: RBINS: 1 [1 - **2** - **2**].

Total Specimens for 1 June 1943: 2

8 June 1943

Congo (Democratic Republic of the): Léopoldville: Fiasse, R.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1943: 1

1 August 1943

Congo: Brazzaville: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3**] - Kelé: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1** - **4**].

Total Specimens for 1 August 1943: 4

1 October 1943

Zambia: Luangwa Valley, Petauke: : KM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1943: 1

28 October 1943

Sudan: Wad Medani: Lewis, D.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1943: 1

18 November 1943

Congo: Brazzaville: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3**] - Brazzaville, near: Maclatchy, Alain; Malbrant, René: AMNH: 2 [2 - **2** - **5**].

Total Specimens for 18 November 1943: 5

1 December 1943

Zambia: Abercorn: Lancaster, D. Gordon: KM: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1943: 1

6 December 1943

South Africa: King Williamstown: Domion: KM: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1943: 1

12 January 1944

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1944: 1

7 April 1944

Tanzania: Zanzibar: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1944: 1

29 April 1944

South Africa: King William's Town: Arends, Nicholas P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1944: 1

1 May 1944

Zambia: Kituta Bay, LakeTanganyika: Lancaster, D. Gordon: KM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1944: 1

2 May 1944

Liberia: Division 24 Camp [see: Division Twenty-Four [Labor] Camp]: Burgess,H.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1944: 1

29 May 1944

South Africa: King William's Town: : HZM: 1 [1 - **1** - **1**].

Total Specimens for 29 May 1944: 1

1 July 1944

Zambia: Lunyuwi river: Robinson, G.G.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1944: 1

6 July 1944

Congo (Democratic Republic of the): Musosa, near: Bredo, H.J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1944: 1

10 July 1944

Kenya: Ng'enyi: Schwartz, A.: KU: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1944: 1

22 July 1944

Burundi: Rumonge: Vrijdagh, J.M.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 22 July 1944: 3

14 September 1944

Namibia: Omburo [=Omburu]: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1944: 1

15 September 1944

Ghana: Accra: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1944: 1

1 January 1945

Congo (Democratic Republic of the): Kabinda: Hautmann: RMCA: 2 [2 - **2** - **2**].
Egypt: Unknown locality: Schneider, G.: MHNG: 2 [2 - **2** - **2**].
Ghana: Oda: Cansdale, George Soper: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1945: 6

3 January 1945

Guinea-Bissau: Ponta de Marques Mano: Frade, F.: CZL: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1945: 1

18 January 1945

South Africa: Pretoria: Colback: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1945: 1

19 January 1945

South Africa: Pretoria: Colback: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1945: 1

14 February 1945

Congo (Democratic Republic of the): Léopoldville: Lepersonne: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1945: 1

1 March 1945

Congo (Democratic Republic of the): Loondo Mugunga: Expédition au Lac Tumba (Congo Belge), l': RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1945: 1

12 March 1945

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1945: 1

8 April 1945

Congo (Democratic Republic of the): Gangala na Bodio: ?: Collector Unknown: RBINS: 4 [4 - **4** - **4**].

Total Specimens for 8 April 1945: 4

17 April 1945

Congo (Democratic Republic of the): Aba: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 17 April 1945: 1

25 April 1945

Gabon: Lastoursville: Maclatchy, Alain; Malbrant, René: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1945: 1

18 May 1945

Congo (Democratic Republic of the): Léopoldville: Lepersonne: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1945: 1

2 July 1945

Uganda: Entebbe: Cade, C.E.: FMNH: 1 [1 - **1**] - Entebbe, near: Cade, C.E.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 2 July 1945: 2

10 July 1945

Zimbabwe: Chikupo Caves: Masterson, H.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1945: 1

12 July 1945

Uganda: Entebbe: Cade, C.E.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 12 July 1945: 4

17 July 1945

Uganda: Entebbe, near: Cade, C.E.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 17 July 1945: 4

30 July 1945

South Africa: Dongolakop: Pole Evans, I.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1945: 1

7 August 1945

Uganda: Entebbe, near: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1945: 1

12 August 1945

Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 1 [1 - **1**] - Zomba Plateau: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **2**].
Uganda: Entebbe: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1945: 3

14 August 1945

Zimbabwe: Bindura: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Total Specimens for 14 August 1945: 4

22 August 1945

Congo (Democratic Republic of the): Gangala na Bodio: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1945: 1

24 August 1945

Uganda: Entebbe: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1945: 1

26 August 1945

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1945: 1

2 September 1945

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1945: 1

19 September 1945

Ghana: Oda: Cansdale, George Soper: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 September 1945: 1

21 September 1945

Ghana: Oda: ?: Collector Unknown: FMNH: 1 [1]; Cansdale, George Soper: BMNH: 1 [1 - **2** - **2**].

Total Specimens for 21 September 1945: 2

1 October 1945

Congo (Democratic Republic of the): Inongo: Gustin, Gustave: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1945: 1

21 October 1945

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1945: 1

1 November 1945

Uganda: Toro: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 1 November 1945: 2

2 November 1945

South Africa: Farm Duiwelskloof 376 [=Mokeetsi]: Ashley Maberly: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1945: 1

3 November 1945

Ghana: Oda: Cansdale, George Soper: BMNH: 1, FMNH: 2 [3 - **3** - **3**].

Total Specimens for 3 November 1945: 3

10 November 1945

Uganda: Bwainba: Williams, J.C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1945: 1

12 November 1945

Congo (Democratic Republic of the): Léopoldville: Deheyn, Jean Jacques: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 12 November 1945: 2

14 November 1945

Ghana: Oda: Cansdale, George Soper: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1945: 1

16 November 1945

Congo (Democratic Republic of the): Lamya Valley: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].
Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1945: 2

17 November 1945

Ghana: Oda: Cansdale, George Soper: BMNH: 1, FMNH: 1 [2 - **2** - **2**].

Total Specimens for 17 November 1945: 2

21 November 1945

Ghana: Winneba: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1945: 1

22 November 1945

Ghana: Oda: Cansdale, George Soper: MCZ: 1 [1 - **1**] - Winneba: Cansdale, George Soper: FMNH: 1 [1]; Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **2** - **3**].

Total Specimens for 22 November 1945: 3

25 November 1945

Ghana: Anamabu Castle: Cansdale, George Soper: FMNH: 1 [1 - **1**] - Anomabu: Cansdale, George Soper: FMNH: 1 [1 - **1**] - Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 25 November 1945: 3

27 November 1945

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1945: 1

7 December 1945

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1945: 1

18 December 1945

Ghana: Anamabu Castle: Cansdale, George Soper: FMNH: 1 [1 - **1**] - Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 18 December 1945: 2

24 December 1945

Ghana: Oda: Cansdale, George Soper: BMNH: 1, FMNH: 1 [2 - **2** - **2**].

Total Specimens for 24 December 1945: 2

27 December 1945

Guinea-Bissau: Bissoram: ?: Collector Unknown: CZL: 1 [1 - **1**] - Mansoa: Frade, F.: CZL: 1 [1 - **1** - **2**].

Total Specimens for 27 December 1945: 2

1 January 1946

Congo (Democratic Republic of the): Ikela: Dupuis, L.: RMCA: 2 [2 - **2**] - Léopoldville: Henrion, M.: RMCA: 2 [2 - **2**] - Nepoko Bomili: Henrion, M.: RMCA: 1 [1 - **1**] - Tanganyika, Congo shore of lake: ?: Collector Unknown: RBINS: 9 [9 - **9** - **14**].
Egypt: Giza Pyramids: Tomich, P. Quentin: USNM: 2 [2 - **2** - **2**].
Ghana: Oda: Cansdale, George Soper: BMNH: 1, FMNH: 2 [3 - **3** - **3**].
Liberia: Firestone Plantation: Beatty, Harry A.: MVZ: 2 [2 - **2** - **2**].
Sierra Leone: Njala: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1946: 23

4 January 1946

Congo (Democratic Republic of the): Mwenda-Katuka piste: ?: Collector Unknown: RBINS: 5 [5]; de Wilde, J.: RBINS: 16 [16 - **21** - **21**].

Total Specimens for 4 January 1946: 21

5 January 1946

Liberia: Firestone Plantation: Beatty, Harry A.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1946: 1

18 January 1946

Ghana: Winneba: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1946: 1

21 January 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1946: 1

20 February 1946

South Africa: New Muckleneuk: Roberts, R.A.: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1946: 1

2 March 1946

Ghana: Sekondi: Dadson, J.E.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1946: 1

3 March 1946

Liberia: Firestone Plantation: Beatty, Harry A.: MVZ: 4 [4 - **4** - **4**].
Sierra Leone: Njala: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1946: 5

6 March 1946

Guinea-Bissau: Catió: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1946: 1

20 March 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1946: 1

28 March 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1946: 1

3 April 1946

Guinea-Bissau: Pitche: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1946: 1

11 April 1946

Ghana: Oda: Cansdale, George Soper: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1946: 1

18 April 1946

Congo (Democratic Republic of the): Zobia: ?: Collector Unknown: RBINS: 1 [1]; Van Woensel, R.P.: RBINS: 1 [1 - **2** - **2**].
Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1946: 3

29 April 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1946: 1

3 May 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 May 1946: 2

4 May 1946

Ghana: Oda: ?: Collector Unknown: FMNH: 3 [3]; Cansdale, George Soper: FMNH: 10 [10 - **13** - **13**].

Total Specimens for 4 May 1946: 13

17 May 1946

Ghana: Oda: ?: Collector Unknown: FMNH: 1 [1]; Cansdale, George Soper: MCZ: 1 [1 - **2** - **2**].

Total Specimens for 17 May 1946: 2

1 June 1946

Liberia: Firestone Plantation: Beatty, Harry A.: FMNH: 2 [2 - **2** - **2**].
Malawi: Zomba: Anthony, Harold Elmer: AMNH: 25 [25 - **25** - **25**].

Total Specimens for 1 June 1946: 27

3 June 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1946: 1

7 June 1946

Malawi: Zomba Plateau: Anthony, Harold Elmer: AMNH: 20 [20 - **20** - **20**].

Total Specimens for 7 June 1946: 20

8 June 1946

Malawi: Zomba Plateau: Anthony, Harold Elmer: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 8 June 1946: 6

9 June 1946

Malawi: Zomba Plateau: Anthony, Harold Elmer: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 9 June 1946: 4

10 June 1946

Uganda: Soroti, 25 mi [= 40 km] N: Cade, C.E.: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 10 June 1946: 11

16 June 1946

Congo (Democratic Republic of the): Léopoldville: Henrion, M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1946: 2

17 June 1946

Malawi: Blantyre: Anthony, Harold Elmer: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 17 June 1946: 4

21 June 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1946: 1

26 June 1946

Malawi: Likabula: Anthony, Harold Elmer: AMNH: 3 [3 - **3**] - Mulanje: Shortridge, Guy Chester: KM: 1 [1 - **1** - **4**].

Total Specimens for 26 June 1946: 4

2 July 1946

Malawi: Likabula: Anthony, Harold Elmer: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 2 July 1946: 4

7 July 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 7 July 1946: 2

10 July 1946

Malawi: Kota Kota: Shortridge, Guy Chester: KM: 2 [2 - **2** - **2**].

Total Specimens for 10 July 1946: 2

12 July 1946

Egypt: Giza Pyramids: Tomich, P. Quentin: USNM: 8 [8 - **8** - **8**].

Total Specimens for 12 July 1946: 8

15 July 1946

Burundi: Kigamba: Verschuren, Jacques: RBINS: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Mutwanga: de Wilde, J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1946: 4

17 July 1946

Egypt: Giza Pyramids: Tomich, P. Quentin: USNM: 6 [6 - **6** - **6**].

Total Specimens for 17 July 1946: 6

18 July 1946

Egypt: Giza Pyramids: Tomich, P. Quentin: USNM: 2 [2 - **2** - **2**].

Total Specimens for 18 July 1946: 2

19 July 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1946: 1

20 July 1946

Egypt: Giza Pyramids: Tomich, P. Quentin: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1946: 1

25 July 1946

Egypt: Maadi: Tomich, P. Quentin: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1946: 1

29 July 1946

Congo (Democratic Republic of the): Yangambi: Gilbert, G.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1946: 1

31 July 1946

Egypt: Giza Pyramids: Tomich, P. Quentin: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1946: 1

8 August 1946

Congo (Democratic Republic of the): Yangambi: ?: Collector Unknown: RBINS: 1 [1]; Gilbert, G.: RBINS: 1 [1 - **2**] - Yangambi division forest: Gilbert, G.: RMCA: 1 [1 - **1** - **3**].
Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 9 [9 - **9**] - Nkhota-Kota: Shortridge, Guy Chester: KM: 1 [1 - **1** - **10**].

Total Specimens for 8 August 1946: 13

9 August 1946

Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 13 [13 - **13** - **13**].

Total Specimens for 9 August 1946: 13

10 August 1946

Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 4 [4]; Shortridge, Guy Chester: KM: 1 [1 - **5** - **5**].

Total Specimens for 10 August 1946: 5

11 August 1946

Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 9 [9 - **9** - **9**].

Total Specimens for 11 August 1946: 9

12 August 1946

Congo (Democratic Republic of the): Lusilubi valley: de Wilde, J.: RBINS: 1 [1 - **1** - **1**].
Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 9 [9 - **9**] - Nkhota-Kota: Shortridge, Guy Chester: KM: 2 [2 - **2** - **11**].

Total Specimens for 12 August 1946: 12

13 August 1946

Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 9 [9 - **9** - **9**].

Total Specimens for 13 August 1946: 9

14 August 1946

Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 14 August 1946: 6

15 August 1946

Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 1 [1 - **1**] - Nkhota-Kota: Shortridge, Guy Chester: KM: 2 [2 - **2** - **3**].

Total Specimens for 15 August 1946: 3

16 August 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 2 [2 - **2** - **2**].
Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 August 1946: 4

17 August 1946

Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 10 [10]; Shortridge, Guy Chester: KM: 1 [1 - **11** - **11**].

Total Specimens for 17 August 1946: 11

18 August 1946

Malawi: Kota Kota: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1946: 1

20 August 1946

Egypt: Giza Pyramids: Tomich, P. Quentin: USNM: 4 [4 - **4** - **4**].
South Sudan: Torit, 36 mi S: Anderson, A.B.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1946: 5

21 August 1946

Malawi: Kasungu: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1946: 1

23 August 1946

South Sudan: Torit, 36 mi S: Anderson, A.B.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1946: 1

28 August 1946

Somalia: Burao: Glover, P.E.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1946: 1

1 September 1946

Ghana: Oda: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1946: 1

12 September 1946

Congo (Democratic Republic of the): Teturi: Hiernaux, Jean: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 12 September 1946: 1

27 September 1946

Malawi: Cholo, mount: Anthony, Harold Elmer: AMNH: 2 [2 - **2**] - Kota Kota: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **3**].

Total Specimens for 27 September 1946: 3

1 October 1946

Angola: Dundo: de Barros Machado, A.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Mulungu: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1946: 2

2 October 1946

Egypt: Gezira Island: Tomich, P. Quentin: MVZ: 1, USNM: 7 [8 - **8** - **8**].

Total Specimens for 2 October 1946: 8

12 November 1946

Congo (Democratic Republic of the): Albertville: Mission Hydrobiol. Lac Tanganiyka, La: RBINS: 1 [1 - **1** - **1**].
Sierra Leone: Makeni: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].

Total Specimens for 12 November 1946: 3

20 November 1946

Congo (Democratic Republic of the): Albertville: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1946: 1

21 November 1946

Sierra Leone: Makeni: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1946: 1

22 November 1946

Egypt: Giza Pyramids: Tomich, P. Quentin: USNM: 3 [3 - **3** - **3**].

Total Specimens for 22 November 1946: 3

28 November 1946

Tanzania: Mtowamba: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1946: 1

1 December 1946

Congo (Democratic Republic of the): Kakondo: ?: Collector Unknown: RBINS: 1 [1]; Hendricks, F.L.: RBINS: 3, RMCA: 1 [4 - **5**] - Kakondo cave: Hendricks, F.L.: RMCA: 2 [2 - **2** - **7**].

Total Specimens for 1 December 1946: 7

10 December 1946

Congo (Democratic Republic of the): Buta: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1946: 1

11 December 1946

Congo (Democratic Republic of the): Makengo: Dartevelle: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 11 December 1946: 11

22 December 1946

Tanzania: Kondoa, 100 mi E: Carter, T. Donald: AMNH: 13 [13 - **13** - **13**].

Total Specimens for 22 December 1946: 13

24 December 1946

Congo (Democratic Republic of the): Buta: Hendricks, F.L.: RBINS: 2 [2 - **2**] - Kakondo: Hendricks, F.L.: RMCA: 2 [2 - **2** - **4**].

Total Specimens for 24 December 1946: 4

26 December 1946

South Sudan: Juba, 400 mi [= 640 km] W: Anderson, A.B.: FMNH: 1 [1 - **1** - **1**].
Sudan: Tadoro: : SMF: 3 [3 - **3** - **3**].

Total Specimens for 26 December 1946: 4

27 December 1946

Egypt: Abu Rawash: Tomich, P. Quentin: MVZ: 1, USNM: 14 [15 - **15** - **15**].

Total Specimens for 27 December 1946: 15

30 December 1946

Congo (Democratic Republic of the): Mutsora: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1946: 1

1 January 1947

Congo (Democratic Republic of the): Ituri Forest: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Ituri, south: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Mabwe: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Paulis: Abbeloos: RMCA: 5 [5 - **5** - **9**].
Madagascar: Andreaba: Delacour, Jean B. Theodore: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1947: 10

2 January 1947

Congo (Democratic Republic of the): Gangala na Bodio: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1947: 1

5 January 1947

Liberia: Firestone Plantation: Beatty, Harry A.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1947: 1

6 January 1947

Congo (Democratic Republic of the): Mulungu Miti: Hendricks, F.L.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1947: 1

7 January 1947

Congo (Democratic Republic of the): Nyarusambo: Van Cools, G.: RBINS: 3 [3 - **3** - **3**].

Total Specimens for 7 January 1947: 3

14 January 1947

Cameroon: Kribi: Aellen, Villy; Monard, Albert: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1947: 1

20 January 1947

Congo (Democratic Republic of the): Léopoldville: Dartevelle: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 20 January 1947: 2

30 January 1947

Sierra Leone: Njala: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 January 1947: 1

31 January 1947

Egypt: Saqqara: Tomich, P. Quentin: MVZ: 1, USNM: 12 [13 - **13**] - Saqqara pyramids: Tomich, P. Quentin: MVZ: 1 [1 - **1** - **14**].
South Africa: King Williamstown: ?: Collector Unknown: KM: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1947: 15

6 February 1947

Congo (Democratic Republic of the): Teturi: : RBINS: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1947: 1

8 February 1947

South Africa: Farm Keikamspoort 71: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1947: 1

12 February 1947

Congo (Democratic Republic of the): Mulungu: Hendricks, F.L.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1947: 1

20 February 1947

Congo (Democratic Republic of the): Mutsora: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1947: 1

26 February 1947

Egypt: Simbilawein, 5 mi W: Tomich, P. Quentin: MVZ: 1, USNM: 6 [7 - **7** - **7**].

Total Specimens for 26 February 1947: 7

4 March 1947

Congo (Democratic Republic of the): Albertville: : RBINS: 1 [1 - **1**] - Yangambi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 4 March 1947: 2

8 March 1947

Ghana: Lawra: Cansdale, George Soper: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1947: 1

10 March 1947

Ghana: Lawra: Cansdale, George Soper: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1947: 1

13 March 1947

Congo (Democratic Republic of the): Yangambi: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 13 March 1947: 2

23 March 1947

Congo (Democratic Republic of the): Teturi: Hiernaux, Jean: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1947: 1

24 March 1947

Congo (Democratic Republic of the): Teturi: Hiernaux, Jean: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 24 March 1947: 2

1 April 1947

Congo (Democratic Republic of the): Thysville, cave: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1947: 1

4 April 1947

Congo (Democratic Republic of the): Pelenge, gorges: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1947: 1

14 April 1947

Congo (Democratic Republic of the): Bela: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1947: 1

16 April 1947

Congo (Democratic Republic of the): Baraka: ?: Collector Unknown: BMNH: 1, RBINS: 3 [4]; : RBINS: 1 [1]; Belgian Hydrobiological Expedition to Tanganyika, the: BMNH: 1 [1 - **6** - **6**].

Total Specimens for 16 April 1947: 6

26 April 1947

Ghana: Lawra: Cansdale, George Soper: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1947: 1

28 April 1947

Congo (Democratic Republic of the): Paulis: Abbeloos: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 28 April 1947: 2

20 May 1947

Cameroon: Tibati: : MHNC: 9 [9 - **9** - **9**].

Total Specimens for 20 May 1947: 9

26 May 1947

South Africa: Bloemfontein: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1947: 1

1 June 1947

Congo (Democratic Republic of the): Pelenge, gorges: ?: Collector Unknown: RBINS: 4 [4]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **5** - **5**].
Gabon: Mouila: Rougeot, P.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1947: 6

4 June 1947

Congo (Democratic Republic of the): Pelenge, gorges: ?: Collector Unknown: RBINS: 4 [4]; de Witte, Gaston-François: RBINS: 1 [1 - **5** - **5**].

Total Specimens for 4 June 1947: 5

5 June 1947

Congo (Democratic Republic of the): Albertville: : RBINS: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1947: 1

10 June 1947

Zimbabwe: Umtali Old Mine: Miller, N.C.E.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1947: 1

12 June 1947

Congo (Democratic Republic of the): Lusinga: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 12 June 1947: 1

14 June 1947

Congo (Democratic Republic of the): Munoi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1947: 1

15 June 1947

Liberia: Firestone Plantation: Beatty, Harry A.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1947: 1

21 June 1947

Liberia: Firestone Plantation: Beatty, Harry A.: MVZ: 9 [9 - **9** - **9**].

Total Specimens for 21 June 1947: 9

25 June 1947

South Africa: Sterkfontein caves: Robinson, A.: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1947: 1

27 June 1947

Congo (Democratic Republic of the): Maka: Poll, Max: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 June 1947: 1

30 June 1947

Congo (Democratic Republic of the): Teturi: : RBINS: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1947: 1

2 July 1947

South Africa: Dongolakop: Pole Evans, G.E.: TM: 1 [1]; Pole Evans, I.B.: TM: 1 [1 - **2** - **2**].

Total Specimens for 2 July 1947: 2

9 July 1947

Sierra Leone: Njala: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1947: 1

11 July 1947

Cameroon: Ngaaouyanga: Aellen, Villy; Monard, Albert: MHNC: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1947: 1

14 July 1947

Congo (Democratic Republic of the): Kafwe: ?: Collector Unknown: RBINS: 18 [18]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **19**] - Kanzenze mission: Lefébure, R.P.: RBINS: 1 [1 - **1** - **20**].
Sierra Leone: Njala: Jones, Theo Simpson: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 14 July 1947: 22

16 July 1947

Congo (Democratic Republic of the): Elila: Poll, Max: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1947: 1

17 July 1947

Congo (Democratic Republic of the): Lusinga: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1947: 1

18 July 1947

Congo (Democratic Republic of the): Kipangaribwe river: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 18 July 1947: 2

25 July 1947

Sierra Leone: Njala: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1947: 1

28 July 1947

Congo (Democratic Republic of the): Mabwe: Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1947: 1

30 July 1947

Congo (Democratic Republic of the): Yolokafiri: Hiernaux, Jean: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1947: 1

31 July 1947

Congo (Democratic Republic of the): Butembo region: Hiernaux, Jean: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1947: 1

1 August 1947

Congo (Democratic Republic of the): Bela: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1947: 1

5 August 1947

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Teturi: ?: Collector Unknown: RBINS: 2 [2 - **2** - **4**].

Total Specimens for 5 August 1947: 4

6 August 1947

Congo (Democratic Republic of the): Boende: Huypens: RMCA: 1 [1 - **1**] - Mabwe: ?: Collector Unknown: RBINS: 2 [2 - **2** - **3**].

Total Specimens for 6 August 1947: 3

7 August 1947

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 3 [3 - **3** - **3**].

Total Specimens for 7 August 1947: 3

8 August 1947

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 8 August 1947: 2

10 August 1947

Congo (Democratic Republic of the): Butembo: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Hoyo, Mount: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Matata Cave: Hiernaux, Jean: RBINS: 1 [1 - **1**] - Mt Hoyo: Hiernaux, Jean: RBINS: 1 [1 - **1**] - Saga Saga, cave: ?: Collector Unknown: RBINS: 1 [1 - **1** - **6**].

Total Specimens for 10 August 1947: 6

11 August 1947

Congo (Democratic Republic of the): Hoyo, Mount: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Talatala: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 11 August 1947: 2

12 August 1947

Congo (Democratic Republic of the): Butembo: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Hoyo, Mount: Hiernaux, Jean: RMCA: 1 [1 - **1**] - Mabwe: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Mount Hoyo: ?: Collector Unknown: RBINS: 1 [1]; Hiernaux, Jean: RBINS: 6 [6 - **7** - **11**].

Total Specimens for 12 August 1947: 11

14 August 1947

Congo (Democratic Republic of the): Butembo: ?: Collector Unknown: RBINS: 5 [5 - **5**] - Hoyo, Mount: ?: Collector Unknown: RBINS: 3 [3 - **3**] - Kabambi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **9**].

Total Specimens for 14 August 1947: 9

16 August 1947

Congo (Democratic Republic of the): Butembo: Hiernaux, Jean: RBINS: 1 [1 - **1**] - Hoyo, Mount: ?: Collector Unknown: RBINS: 4 [4 - **4**] - Matupi Cave: ?: Collector Unknown: RBINS: 1 [1 - **1** - **6**].

Total Specimens for 16 August 1947: 6

17 August 1947

Congo (Democratic Republic of the): Kabambi: Hiernaux, Jean: RBINS: 1 [1 - **1**] - Mount Hoyo caves: Hiernaux, Jean: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 17 August 1947: 2

21 August 1947

Congo (Democratic Republic of the): Mabwe: Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **1**] - Teturi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].
South Africa: Maitland mine: Larson, Thomas ("Tom"): MVZ: 22 [22 - **22** - **22**].

Total Specimens for 21 August 1947: 24

22 August 1947

Congo (Democratic Republic of the): Yangambi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1947: 1

24 August 1947

Congo (Democratic Republic of the): Kivulo: ?: Collector Unknown: RBINS: 4 [4 - **4** - **4**].

Total Specimens for 24 August 1947: 4

26 August 1947

South Africa: Amanzi Estate: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1947: 1

29 August 1947

South Africa: St. George's Park: Larson, Thomas ("Tom"): MVZ: 3 [3 - **3** - **3**].

Total Specimens for 29 August 1947: 3

31 August 1947

Congo (Democratic Republic of the): Yolokafiri: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
South Africa: Maitland mine: Larson, Thomas ("Tom"): MVZ: 5 [5 - **5** - **5**].

Total Specimens for 31 August 1947: 6

1 September 1947

South Africa: St. George's Park: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1947: 1

4 September 1947

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1947: 1

5 September 1947

South Africa: Rotterdam Farm: Peabody, Frank Elmer: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1947: 1

9 September 1947

South Africa: Pickford Farm: Larson, Thomas ("Tom"): MVZ: 2 [2 - **2** - **2**].

Total Specimens for 9 September 1947: 2

13 September 1947

Cameroon: Rei Bouba: MSS Cameroun: MHNC: 2 [2 - **2** - **2**].

Total Specimens for 13 September 1947: 2

16 September 1947

Cameroon: Rei Bouba: Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1947: 1

19 September 1947

Congo (Democratic Republic of the): Albertville: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 19 September 1947: 1

27 September 1947

South Africa: Klein Namaqualand, Garies: Larson, Thomas ("Tom"): MVZ: 4 [4 - **4** - **4**].

Total Specimens for 27 September 1947: 4

1 October 1947

Congo (Democratic Republic of the): Kaswabilenga: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1**] - Kipangaribwe river: ?: Collector Unknown: RBINS: 3 [3 - **3** - **4**].

Total Specimens for 1 October 1947: 4

6 October 1947

Congo (Democratic Republic of the): Kaswabilenga: ?: Collector Unknown: RBINS: 1 [1]; de Witte, Gaston-François: RBINS: 3 [3 - **4** - **4**].

Total Specimens for 6 October 1947: 4

7 October 1947

Congo (Democratic Republic of the): Kaswabilenga: ?: Collector Unknown: RBINS: 1 [1]; de Witte, Gaston-François: RBINS: 1 [1 - **2** - **2**].

Total Specimens for 7 October 1947: 2

8 October 1947

Congo (Democratic Republic of the): Kaswabilenga: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1947: 1

9 October 1947

Congo (Democratic Republic of the): Kaswabilenga: ?: Collector Unknown: RBINS: 4 [4 - **4** - **4**].

Total Specimens for 9 October 1947: 4

25 October 1947

Congo (Democratic Republic of the): Yangambi: Germain, Rodolphe: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1947: 1

1 November 1947

Congo (Democratic Republic of the): Paulis: Abbeloos: RMCA: 1 [1 - **1** - **1**].
Liberia: Firestone Plantation: Beatty, Harry A.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1947: 2

4 November 1947

Congo (Democratic Republic of the): Kaswabilenga: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1947: 1

10 November 1947

Congo (Democratic Republic of the): Yangambi: Gilbert, G.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1947: 1

13 November 1947

Congo (Democratic Republic of the): Gangala na Bodio: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1947: 1

17 November 1947

Congo (Democratic Republic of the): Kibanga: ?: Collector Unknown: RBINS: 4 [4 - **4** - **4**].

Total Specimens for 17 November 1947: 4

18 November 1947

Namibia: Oshikango: Larson, Thomas ("Tom"): MVZ: 15 [15 - **15** - **15**].

Total Specimens for 18 November 1947: 15

22 November 1947

Congo (Democratic Republic of the): Gangala na Bodio: : RBINS: 2 [2 - **2** - **2**].

Total Specimens for 22 November 1947: 2

25 November 1947

Congo (Democratic Republic of the): Kateke: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1947: 1

26 November 1947

Congo (Democratic Republic of the): Gangala na Bodio: ?: Collector Unknown: RBINS: 1 [1]; Micha, M.: RBINS: 1 [1 - **2**] - Kateke: de Witte, Gaston-François; *et al.*: RBINS: 5 [5]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **6** - **8**].

Total Specimens for 26 November 1947: 8

27 November 1947

Congo (Democratic Republic of the): Kateke: de Witte, Gaston-François; *et al.*: RBINS: 9 [9 - **9** - **9**].

Total Specimens for 27 November 1947: 9

1 December 1947

Angola: Dundo: de Barros Machado, A.: FMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Kateke: ?: Collector Unknown: RBINS: 1 [1]; de Witte, Gaston-François; *et al.*: RBINS: 8 [8]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **10** - **10**].
Egypt: Kom O Shim: Field, Henry: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 December 1947: 15

3 December 1947

Angola: Dundo: de Barros Machado, A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1947: 1

4 December 1947

Congo (Democratic Republic of the): Kateke: ?: Collector Unknown: RBINS: 3 [3]; de Witte, Gaston-François; *et al.*: RBINS: 9 [9 - **12** - **12**].

Total Specimens for 4 December 1947: 12

7 December 1947

Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: Larson, Thomas ("Tom"): MVZ: 9 [9 - **9** - **9**].

Total Specimens for 7 December 1947: 9

10 December 1947

Congo (Democratic Republic of the): Kipangaribwe river: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1947: 1

11 December 1947

Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: Larson, Thomas ("Tom"): MVZ: 2 [2 - **2** - **2**].

Total Specimens for 11 December 1947: 2

12 December 1947

Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1947: 1

13 December 1947

Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1947: 1

16 December 1947

South Africa: King Williamstown: Arends, Nicholas P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1947: 1

17 December 1947

Congo (Democratic Republic of the): Kipangaribwe river: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1947: 1

23 December 1947

Congo (Democratic Republic of the): Isato: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 23 December 1947: 2

25 December 1947

Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].

Total Specimens for 25 December 1947: 1

28 December 1947

Congo (Democratic Republic of the): Yangambi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1947: 1

29 December 1947

Angola: Dundo: de Barros Machado, A.: FMNH: 3 [3 - **3** - **3**].
South Africa: Pretoria: Broom, R.: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1947: 4

31 December 1947

Congo (Democratic Republic of the): Kipangaribwe river: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1947: 1

1 January 1948

Angola: Dundo: de Barros Machado, A.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: RBINS: 10 [10 - **10**] - Bambu: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Djugu forest: Verschuren, Jacques: RBINS: 1 [1 - **1**] - Fatakit: ?: Collector Unknown: RBINS: 26 [26]; Verschuren, Jacques: RBINS: 2 [2 - **28**] - Garamba National Park: ?: Collector Unknown: RBINS: 4 [4 - **4**] - Mulungu: Hendricks, F.L.: RMCA: 4 [4 - **4** - **48**].
Rwanda: Astrida: Fain, Alexandre: RMCA: 4 [4 - **4** - **4**].
South Africa: Excelcior: Hopper, L.: HZM: 2 [2 - **2** - **2**].
South Sudan: Malakal: Hoogstraal, Harry H.: FMNH: 4 [4 - **4** - **4**].
Sudan: Wad Medani: Hoogstraal, Harry H.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 1 January 1948: 66

3 January 1948

Congo (Democratic Republic of the): Kipangaribwe river: ?: Collector Unknown: RBINS: 1 [1]; de Witte, Gaston-François: RBINS: 1 [1 - **2** - **2**].

Total Specimens for 3 January 1948: 2

4 January 1948

Namibia: Hohewarte Farm: Larson, Thomas ("Tom"): MVZ: 22 [22 - **22** - **22**].

Total Specimens for 4 January 1948: 22

5 January 1948

Angola: Dundo: de Barros Machado, A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1948: 1

8 January 1948

Sierra Leone: Bonthe: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1948: 1

12 January 1948

Congo (Democratic Republic of the): Kipangaribwe river: ?: Collector Unknown: RBINS: 1 [1]; de Witte, Gaston-François: RBINS: 1 [1]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **3** - **3**].

Total Specimens for 12 January 1948: 3

14 January 1948

Congo (Democratic Republic of the): Kipangaribwe river: de Witte, Gaston-François: RBINS: 1 [1]; de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **2** - **2**].

Total Specimens for 14 January 1948: 2

17 January 1948

Congo (Democratic Republic of the): Kipangaribwe river: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1948: 1

19 January 1948

Congo (Democratic Republic of the): Kipangaribwe river: de Witte, Gaston-François: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 19 January 1948: 2

21 January 1948

Somalia: Hargeisa: MacFayden, W.A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1948: 1

23 January 1948

Angola: Dundo: de Barros Machado, A.: FMNH: 1 [1 - **1** - **1**].
Namibia: 12 mi [= 19 km] E Windhoek,Finkenstein Farm: Larson, Thomas ("Tom"): MVZ: 2 [2 - **2** - **2**].

Total Specimens for 23 January 1948: 3

1 February 1948

Angola: Dundo: de Barros Machado, A.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 February 1948: 3

2 February 1948

Congo (Democratic Republic of the): Dilolo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1948: 1

5 February 1948

Zambia: Abercorn: Bredo, H.J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1948: 1

9 February 1948

Benin: no specific locality: Rosevear, Donovan Reginald: BMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Dilolo: Hutsebaut, Jozef: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 9 February 1948: 3

19 February 1948

Zambia: Kasempa Boma: Ansell, William Frank Harding: KM: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1948: 1

24 February 1948

Congo (Democratic Republic of the): Yangambi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1948: 1

28 February 1948

South Africa: Vrede Farm: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1948: 1

29 February 1948

Congo (Democratic Republic of the): Niangara: Weber, Neal A.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 February 1948: 2

1 March 1948

Angola: Dundo: de Barros Machado, A.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 1 March 1948: 6

7 March 1948

Congo (Democratic Republic of the): Sakania: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1948: 1

12 March 1948

Angola: Dundo: de Barros Machado, A.: FMNH: 22 [22 - **22** - **22**].

Total Specimens for 12 March 1948: 22

14 March 1948

South Africa: Gladysvale Farm: Larson, Thomas ("Tom"): MVZ: 16 [16 - **16** - **16**].

Total Specimens for 14 March 1948: 16

15 March 1948

Congo (Democratic Republic of the): Teturi: : RBINS: 1 [1 - **1** - **1**].
South Sudan: Kapoeta: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1948: 2

16 March 1948

South Africa: Gladysvale Farm: Larson, Thomas ("Tom"): MVZ: 9 [9 - **9** - **9**].

Total Specimens for 16 March 1948: 9

20 March 1948

Central African Republic: Birao: Clark, James ("Jamie") L.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 March 1948: 2

26 March 1948

Congo (Democratic Republic of the): Mbuye-Bala river: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1948: 1

27 March 1948

South Africa: Gladysvale Farm: Larson, Thomas ("Tom"): AMNH: 3, MVZ: 2 [5 - **5** - **5**].

Total Specimens for 27 March 1948: 5

1 April 1948

Rwanda: Rwankwi: Leroy, J.V.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 1 April 1948: 4

5 April 1948

Congo (Democratic Republic of the): Gangala na Bodio: Hediger; Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1948: 1

9 April 1948

Congo (Democratic Republic of the): Gangala na Bodio: ?: Collector Unknown: RBINS: 11 [11]; : RBINS: 1 [1]; de Saeger, H.; *et al.*: RBINS: 5 [5]; Hediger; Verschuren, Jacques: RBINS: 1 [1 - **18** - **18**].

Total Specimens for 9 April 1948: 18

10 April 1948

Congo (Democratic Republic of the): Gangala na Bodio: ?: Collector Unknown: RBINS: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2** - **2**].

Total Specimens for 10 April 1948: 2

12 April 1948

Congo (Democratic Republic of the): Aba: ?: Collector Unknown: RBINS: 4 [4 - **4** - **4**].

Total Specimens for 12 April 1948: 4

13 April 1948

Congo (Democratic Republic of the): Gangala na Bodio: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1948: 1

14 April 1948

Congo (Democratic Republic of the): Munoi: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1948: 1

15 April 1948

South Sudan: Kapoeta: Hoogstraal, Harry H.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 15 April 1948: 2

16 April 1948

Congo (Democratic Republic of the): Wilibadi river: Hediger; Verschuren, Jacques: RBINS: 4 [4 - **4** - **4**].
South Sudan: Kapoeta: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1948: 5

1 May 1948

Congo (Democratic Republic of the): Dungu: ?: Collector Unknown: RBINS: 16 [16 - **16**] - Gangala na Bodio: ?: Collector Unknown: RBINS: 4 [4 - **4** - **20**].

Total Specimens for 1 May 1948: 20

3 May 1948

South Sudan: Equatoria Province: Alison, R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1948: 1

4 May 1948

South Sudan: Li Rangu: Alison, R.: USNM: 2 [2]; Hoogstraal, Harry H.; Alison, R.: FMNH: 1 [1 - **3** - **3**].

Total Specimens for 4 May 1948: 3

5 May 1948

Congo (Democratic Republic of the): Baudouinville: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - Gangala na Bodio: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 5 May 1948: 2

6 May 1948

Congo (Democratic Republic of the): Gangala na Bodio: Hediger; Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1948: 1

7 May 1948

Congo (Democratic Republic of the): Gangala na Bodio: Hediger; Verschuren, Jacques: RBINS: 1 [1 - **1**] - Kiamokoto: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 7 May 1948: 2

10 May 1948

South Africa: Mathae Ranch: Larson, Thomas ("Tom"): MVZ: 8 [8 - **8** - **8**].

Total Specimens for 10 May 1948: 8

11 May 1948

Congo (Democratic Republic of the): Gangala na Bodio: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 11 May 1948: 2

15 May 1948

South Sudan: Juba: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1948: 1

17 May 1948

Mozambique: Maputo, 2 mi [= 3.2 km] N: Larson, Thomas ("Tom"): MVZ: 9 [9 - **9** - **9**].

Total Specimens for 17 May 1948: 9

24 May 1948

Congo (Democratic Republic of the): Teturi: Hiernaux, Jean: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1948: 1

25 May 1948

Congo (Democratic Republic of the): Gangala na Bodio: : RBINS: 1 [1 - **1**] - Teturi: Hiernaux, Jean: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 25 May 1948: 2

31 May 1948

Congo (Democratic Republic of the): Gangala na Bodio: : RBINS: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1948: 1

1 June 1948

Congo (Democratic Republic of the): Banana: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Kanzenze mission: ?: Collector Unknown: RBINS: 2 [2 - **2** - **3**].

Total Specimens for 1 June 1948: 3

2 June 1948

Congo (Democratic Republic of the): Munoi confluence: de Witte, Gaston-François; *et al.*: RBINS: 3 [3 - **3** - **3**].

Total Specimens for 2 June 1948: 3

7 June 1948

Kenya: Nairobi: Mumford, Russell E.: USNM: 2 [2 - **2**] - Njoro: Hoogstraal, Harry H.: FMNH: 7 [7]; Hoogstraal, Harry H.; Alison, R.: USNM: 7 [7 - **14** - **16**].

Total Specimens for 7 June 1948: 16

8 June 1948

Kenya: Menengai Crater: Hoogstraal, Harry H.: FMNH: 17, USNM: 1 [18]; Hoogstraal, Harry H.; *et al.*: FMNH: 36 [36]; Hoogstraal, Harry H.; Alison, R.: USNM: 2 [2]; Hoogstraal, Harry H.; Alison, R.; Evans, C.: USNM: 35 [35 - **91**] - Mount Menengai: Hoogstraal, Harry H.: FMNH: 21 [21]; Hoogstraal, Harry H.; *et al.*: FMNH: 20 [20 - **41** - **132**].

Total Specimens for 8 June 1948: 132

15 June 1948

Congo (Democratic Republic of the): Teturi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1948: 1

18 June 1948

Congo (Democratic Republic of the): Munoi: Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1948: 1

27 June 1948

Nigeria: Maiduguri: Rosevear, Donovan Reginald: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 June 1948: 1

29 June 1948

South Africa: Nico Smith Farm, 20 mi W Port Elizabeth: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 June 1948: 1

30 June 1948

Congo (Democratic Republic of the): Bokungu: Dupuis, L.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1948: 1

1 July 1948

Angola: Dundo: ?: Collector Unknown: FMNH: 1 [1]; de Barros Machado, A.: FMNH: 10 [10 - **11** - **11**].
Rwanda: Gabiro: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1948: 12

2 July 1948

Congo (Democratic Republic of the): Zongo: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1948: 1

5 July 1948

Congo (Democratic Republic of the): Kafwe: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Kakontwe cave: Leleup, Narcisse: RMCA: 2 [2 - **2** - **3**].
Liberia: Harbel: Beatty, Harry A.: MVZ: 2 [2 - **2** - **2**].

Total Specimens for 5 July 1948: 5

7 July 1948

Congo (Democratic Republic of the): Kiamokoto: ?: Collector Unknown: RBINS: 1 [1]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **2** - **2**].

Total Specimens for 7 July 1948: 2

8 July 1948

Congo (Democratic Republic of the): Kiamokoto: ?: Collector Unknown: RBINS: 1 [1]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **2** - **2**].
Gabon: Mouila: Maclatchy, Alain: MNHN: 1 [1 - **1** - **1**].
Nigeria: Maiduguri: Rosevear, Donovan Reginald: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 July 1948: 5

9 July 1948

Nigeria: Maiduguri: Rosevear, Donovan Reginald: BMNH: 5 [5 - **5** - **5**].

Total Specimens for 9 July 1948: 5

11 July 1948

Nigeria: Maiduguri: Rosevear, Donovan Reginald: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1948: 1

20 July 1948

Malawi: Chitala River: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1948: 1

23 July 1948

Congo (Democratic Republic of the): Kilwezi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1948: 1

29 July 1948

Malawi: Likabula river: Loveridge, Arthur: MCZ: 5 [5 - **5** - **5**].

Total Specimens for 29 July 1948: 5

31 July 1948

Sierra Leone: Freetown: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
The Gambia: Makka: Buxton, A.P.; Oxford University Expedition, The: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1948: 2

2 August 1948

South Africa: Nico Smith Farm, 20 mi W Port Elizabeth: Larson, Thomas ("Tom"): MVZ: 3 [3 - **3** - **3**].
South Sudan: Torit: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1948: 4

3 August 1948

Malawi: Likabula river: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1948: 1

6 August 1948

Congo (Democratic Republic of the): Kilwezi: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1948: 1

7 August 1948

Congo (Democratic Republic of the): Kiamokoto: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1948: 1

8 August 1948

Congo (Democratic Republic of the): Kiamokoto: ?: Collector Unknown: RBINS: 4 [4 - **4** - **4**].
Kenya: Mount Menengai: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1948: 5

9 August 1948

Congo (Democratic Republic of the): Kilwezi: ?: Collector Unknown: RBINS: 4 [4 - **4** - **4**].
South Africa: Nico Smith Farm, 20 mi W Port Elizabeth: Larson, Thomas ("Tom"): MVZ: 7 [7 - **7** - **7**].

Total Specimens for 9 August 1948: 11

15 August 1948

Congo (Democratic Republic of the): Kakontwe: Leleup, Narcisse: RMCA: 16 [16 - **16** - **16**].

Total Specimens for 15 August 1948: 16

20 August 1948

Congo (Democratic Republic of the): Kilwezi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1948: 1

24 August 1948

The Gambia: Kuntaur, 10 mi [=16 km]SE: Buxton, A.P.; Oxford University Expedition, The: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1948: 1

26 August 1948

Sierra Leone: Bonthe: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1948: 1

1 September 1948

Angola: Dundo: de Barros Machado, A.: FMNH: 13 [13 - **13**] - Sombo: de Barros Machado, A.: FMNH: 1 [1 - **1** - **14**].

Congo (Democratic Republic of the): Kakontwe cave: Leleup, Narcisse: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 September 1948: 16

3 September 1948

Malawi: Zomba Plateau: Loveridge, Arthur: MCZ: 6 [6 - **6** - **6**].

Total Specimens for 3 September 1948: 6

13 September 1948

Tanzania: Banagi: Swynnerton, G.H.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 September 1948: 2

17 September 1948

Congo (Democratic Republic of the): Teturi: Hiernaux, Jean: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1948: 1

19 September 1948

Congo (Democratic Republic of the): Defrenne cave: Leleup, Narcisse: RMCA: 16 [16 - **16**] - Kakontwe cave: Leleup, Narcisse: RMCA: 1 [1 - **1** - **17**].

Total Specimens for 19 September 1948: 17

20 September 1948

Congo (Democratic Republic of the): Masombwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1948: 1

23 September 1948

Rwanda: Gabiro: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1948: 1

25 September 1948

Congo (Democratic Republic of the): Defrenne cave: Leleup, Narcisse: RMCA: 23 [23 - **23** - **23**].
Malawi: Matipa-Wilindi Ridge: Loveridge, Arthur: MCZ: 6 [6 - **6** - **6**].

Total Specimens for 25 September 1948: 29

27 September 1948

Congo (Democratic Republic of the): Tamba Tamba cave b 12: Leleup, Narcisse: RMCA: 14 [14 - **14** - **14**].
Rwanda: Gabiro: ?: Collector Unknown: RBINS: 8 [8 - **8** - **8**].

Total Specimens for 27 September 1948: 22

1 October 1948

Angola: Dundo: de Barros Machado, A.: FMNH: 5 [5 - **5** - **5**].
Congo (Democratic Republic of the): Gandajika: ?: Collector Unknown: RBINS: 2 [2]; de Francquen, P.: RBINS: 1 [1 - **3**] - Kanzenze mission: ?: Collector Unknown: RBINS: 3 [3 - **3** - **6**].

Total Specimens for 1 October 1948: 11

4 October 1948

Congo (Democratic Republic of the): Kiamokoto: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 4 October 1948: 2

10 October 1948

Congo (Democratic Republic of the): Masombwe: ?: Collector Unknown: RBINS: 15 [15 - **15** - **15**].

Total Specimens for 10 October 1948: 15

12 October 1948

Congo (Democratic Republic of the): Lukobwe: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Masombwe: ?: Collector Unknown: RBINS: 3 [3]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **4** - **5**].

Total Specimens for 12 October 1948: 5

19 October 1948

Congo (Democratic Republic of the): Masombwe: ?: Collector Unknown: RBINS: 5 [5 - **5** - **5**].
Zimbabwe: Odzi district: Miller, N.C.E.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1948: 6

27 October 1948

Congo (Democratic Republic of the): Kisanga: de Wilde, J.: RBINS: 2 [2 - **2** - **2**].
Madagascar: Ambohimahavelona: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1948: 3

28 October 1948

Madagascar: Ambohimahavelona: Hoogstraal, Harry H.: FMNH: 3 [3]; Hoogstraal, Harry H.; Alison, R.: USNM: 1 [1 - **4** - **4**].

Total Specimens for 28 October 1948: 4

30 October 1948

Madagascar: Ambohimahavelona: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1948: 1

1 November 1948

Congo (Democratic Republic of the): Lubudi, large cave: Leleup, Narcisse: RMCA: 4 [4 - **4**] - Lubudi, small cave: Leleup, Narcisse: RMCA: 9 [9 - **9** - **13**].

Total Specimens for 1 November 1948: 13

12 November 1948

Mozambique: Manhiça: ?: Collector Unknown: CZL: 2 [2 - **2** - **2**].

Total Specimens for 12 November 1948: 2

16 November 1948

Madagascar: Fort Dauphin, 8 km N: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1948: 1

19 November 1948

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1948: 1

21 November 1948

Sierra Leone: Yile Island: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1948: 1

22 November 1948

Madagascar: Bemangidy: Hoogstraal, Harry H.; Alison, R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1948: 1

23 November 1948

Madagascar: Bemangidy: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Zambia: Luanshya: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1948: 2

24 November 1948

Sierra Leone: Bonthe: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1948: 1

28 November 1948

Congo (Democratic Republic of the): Kanzenze mission: Leleup, Narcisse: BMNH: 1, RMCA: 2 [3 - **3** - **3**].
Madagascar: Bemangidy: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - Manantenina: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **3**].

Total Specimens for 28 November 1948: 6

1 December 1948

Congo (Democratic Republic of the): Kanzenze mission: Leleup, Narcisse: RMCA: 1 [1 - **1** - **1**].
Namibia: Okahandja: Gaerdes, F.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1948: 2

2 December 1948

Congo (Democratic Republic of the): Bokungu: Dupuis, L.: RMCA: 1 [1 - **1**] - Mabwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 2 December 1948: 2

11 December 1948

Congo (Democratic Republic of the): Bokungu: Dupuis, L.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1948: 1

13 December 1948

Congo (Democratic Republic of the): Mabwe: Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **1** - **1**].
Malawi: Chitala River: Loveridge, Arthur: MCZ: 26 [26 - **26** - **26**].

Total Specimens for 13 December 1948: 27

14 December 1948

Malawi: Chitala River: Loveridge, Arthur: MCZ: 10 [10 - **10** - **10**].

Total Specimens for 14 December 1948: 10

16 December 1948

Malawi: Chitala River: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1948: 1

17 December 1948

Madagascar: Bemangidy: Hoogstraal, Harry H.: FMNH: 4 [4]; Hoogstraal, Harry H.; Alison, R.: USNM: 1 [1 - **5** - **5**].

Total Specimens for 17 December 1948: 5

20 December 1948

Zambia: Luanshya: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1948: 1

22 December 1948

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1948: 1

23 December 1948

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1948: 1

24 December 1948

Congo (Democratic Republic of the): Masombwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1948: 1

25 December 1948

Congo (Democratic Republic of the): Bokungu: Dupuis, L.: RMCA: 2 [2 - **2** - **2**].
Madagascar: Bemangidy: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 25 December 1948: 5

1 January 1949

Angola: Dundo: ?: Collector Unknown: FMNH: 1 [1]; de Barros Machado, A.: FMNH: 30 [30 - **31** - **31**].
Congo (Democratic Republic of the): Beno: Bayet, P.: BMNH: 4, RMCA: 27 [31 - **31**] - Bokungu: Dupuis, L.: RMCA: 2 [2 - **2**] - Garamba National Park: de Saeger, H.: RMCA: 1 [1 - **1**] - Léopoldville: Richard: RMCA: 1 [1 - **1** - **35**].
Madagascar: Maromandia, NW: Millot, Jacques: FMNH: 3 [3 - **3** - **3**].
South Africa: Nelspruit: Zumpt, Frits Konrad Ernst: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1949: 70

6 January 1949

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
South Africa: King William's Town: Arends, Nicholas P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1949: 2

15 January 1949

Mozambique: Tete, near: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1949: 1

17 January 1949

Zambia: Luanshya: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1949: 1

18 January 1949

Kenya: Nakuru, near: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1949: 1

19 January 1949

Zambia: Luanshya: Larson, Thomas ("Tom"): AMNH: 1, MVZ: 13 [14 - **14** - **14**].

Total Specimens for 19 January 1949: 14

20 January 1949

Mozambique: Tete, near: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1949: 1

21 January 1949

Zambia: Luanshya: Larson, Thomas ("Tom"): AMNH: 2, MVZ: 10 [12 - **12**] - Mufulira: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **13**].

Total Specimens for 21 January 1949: 13

25 January 1949

Mozambique: Kasumbadedza: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Tete, near: Loveridge, Arthur: MCZ: 4 [4 - **4** - **5**].

Total Specimens for 25 January 1949: 5

30 January 1949

Congo (Democratic Republic of the): Karibumba: Prigogine, Alexandre: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 30 January 1949: 4

31 January 1949

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1949: 1

11 February 1949

Congo (Democratic Republic of the): Mabwe river: de Witte, Gaston-François; *et al.*: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 11 February 1949: 2

15 February 1949

Malawi: Tembuka: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1949: 1

16 February 1949

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].
Kenya: Molo: Cade, C.E.: FMNH: 2 [2 - **2** - **2**].
Malawi: Fort Johnston [= Mangochi]: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Tembuka: Loveridge, Arthur: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 16 February 1949: 6

18 February 1949

Malawi: Tembuka: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1949: 1

25 February 1949

Malawi: Kausi: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Tembuka: Loveridge, Arthur: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 25 February 1949: 2

28 February 1949

Malawi: Tembuka: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
South Sudan: Lafon: Owen, J.S.: ZMUC: 2 [2 - **2** - **2**].

Total Specimens for 28 February 1949: 3

1 March 1949

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 3 [3 - **3**] - Mabwe river: de Witte, Gaston-François; *et al.*: RBINS: 6 [6 - **6** - **9**].
Malawi: Tembuka: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].
Uganda: Ngora: Bradley, J.C.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1949: 12

3 March 1949

Malawi: Tembuka: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1949: 1

4 March 1949

Malawi: Tembuka: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 4 March 1949: 2

5 March 1949

South Sudan: Torit: Owen, J.S.: ZMUC: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1949: 1

18 March 1949

Malawi: Cholo, mount: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Sudan: Luem: Owen, J.S.: ZMUC: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1949: 2

21 March 1949

Malawi: Cholo, mount: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 21 March 1949: 1

30 March 1949

Congo (Democratic Republic of the): Lutunguru: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1949: 1

1 April 1949

Malawi: Mlanje: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1949: 2

3 April 1949

Congo (Democratic Republic of the): Kabenge: ?: Collector Unknown: RBINS: 3 [3]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **4** - **4**].

Total Specimens for 3 April 1949: 4

5 April 1949

Congo (Democratic Republic of the): Lutunguru: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1949: 1

16 April 1949

Congo (Democratic Republic of the): Kilo mines: Hiernaux, Jean: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1949: 1

17 April 1949

Congo (Democratic Republic of the): Hoyo, Mount: Hiernaux, Jean: RMCA: 2 [2 - **2**] - Kilo mines: Hiernaux, Jean: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 17 April 1949: 3

20 April 1949

Congo (Democratic Republic of the): Banana creek: MBizi expedition, The: RBINS: 1 [1 - **1**] - Kilo mines: Hiernaux, Jean: RMCA: 5 [5 - **5** - **6**].

Total Specimens for 20 April 1949: 6

21 April 1949

Congo (Democratic Republic of the): Kilo [mines]: Hiernaux, Jean: RMCA: 1 [1 - **1**] - Kilo mines: Hiernaux, Jean: RMCA: 1 [1 - **1** - **2**].

South Sudan: Nimule: Cade, C.E.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 April 1949: 4

24 April 1949

South Sudan: Nimule: Cade, C.E.: FMNH: 12 [12 - **12** - **12**].
Uganda: Soroti, 25 mi [= 40 km] N: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1949: 13

26 April 1949

South Africa: van Staaden River Pass, 26 mi W. Port Elizabeth: Larson, Thomas ("Tom"): AMNH: 2 [2 - **2** - **2**].
South Sudan: Nimule: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1949: 3

1 May 1949

Congo (Democratic Republic of the): Paulis: Abbeloos: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1949: 1

6 May 1949

Congo (Democratic Republic of the): Kipangaribwe river: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1949: 1

10 May 1949

Tanzania: Pugu Hills: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1949: 1

22 May 1949

Congo (Democratic Republic of the): Mount Sombwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1949: 1

23 May 1949

Congo (Democratic Republic of the): Murambi: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Thysville, cave b 13 a: Leleup, Narcisse: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 23 May 1949: 2

30 May 1949

Congo (Democratic Republic of the): Thysville, cave b 12 a: Leleup, Narcisse: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 30 May 1949: 2

1 June 1949

South Africa: Pirie Forest: Arends, Nicholas P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1949: 1

14 June 1949

Congo (Democratic Republic of the): Bokungu: Dupuis, L.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1949: 1

15 June 1949

Congo (Democratic Republic of the): Banza Nfinda cave: Leleup, Narcisse: RMCA: 8 [8 - **8**] - Barafinda, cave b 13: Leleup, Narcisse: RMCA: 7 [7 - **7** - **15**].

Total Specimens for 15 June 1949: 15

20 June 1949

Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 20 June 1949: 6

28 June 1949

Congo (Democratic Republic of the): Ganza: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1949: 1

1 July 1949

Algeria: Ghardaia: Laenen, J.: FMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Buta: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - Thysville, cave b 13 a: Leleup, Narcisse: RMCA: 2 [2 - **2** - **4**].
South Africa: Nico Smith Farm, 20 mi W Port Elizabeth: Larson, Thomas ("Tom"): AMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 July 1949: 8

3 July 1949

Zambia: Lunga pontoon: Ansell, William Frank Harding: BMNH: 2, KM: 2 [4 - **4** - **4**].

Total Specimens for 3 July 1949: 4

4 July 1949

Angola: Dundo: de Barros Machado, A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1949: 1

5 July 1949

Congo (Democratic Republic of the): Yaosuka: Van Boven, R.P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1949: 1

6 July 1949

Congo (Democratic Republic of the): Lutunguru: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1949: 1

7 July 1949

Namibia: Nampini: Carp, B.: KM: 1 [1 - **1** - **1**].
Sierra Leone: Njala: Jones, Theo Simpson: AMNH: 1, ROM: 2 [3 - **3** - **3**].

Total Specimens for 7 July 1949: 4

12 July 1949

Tanzania: Rukwa: Bredo, H.J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1949: 1

13 July 1949

Congo (Democratic Republic of the): Thysville: Leleup, Narcisse: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 13 July 1949: 4

17 July 1949

Mozambique: Inhaca Island: Foster, C.A.: FMNH: 19 [19 - **19** - **19**].

Total Specimens for 17 July 1949: 19

18 July 1949

Cameroon: Ngaaouyanga: Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1949: 1

21 July 1949

South Africa: Mine at Nababeep: Larson, Thomas ("Tom"): AMNH: 26 [26 - **26**] - Nababeep mine: Larson, Thomas ("Tom"): MVZ: 12 [12 - **12** - **38**].

Total Specimens for 21 July 1949: 38

23 July 1949

Congo (Democratic Republic of the): Thysville: Leleup, Narcisse: RMCA: 26 [26 - **26** - **26**].

Total Specimens for 23 July 1949: 26

29 July 1949

South Africa: Nico Smith Farm, 20 mi W Port Elizabeth: Larson, Thomas ("Tom"): MVZ: 3 [3 - **3** - **3**].

Total Specimens for 29 July 1949: 3

30 July 1949

South Sudan: Torit: Owen, J.S.: ZMUC: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1949: 1

1 August 1949

Congo (Democratic Republic of the): Thysville: Leleup, Narcisse: RMCA: 31 [31 - **31** - **31**].

Total Specimens for 1 August 1949: 31

4 August 1949

Congo (Democratic Republic of the): Lutunguru: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
South Africa: Sterkfontein caves: ?: Collector Unknown: TM: 1 [1]; Lundholm, B.: TM: 4 [4 - **5** - **5**].

Total Specimens for 4 August 1949: 6

7 August 1949

Namibia: Nampini: Carp, B.: TM: 1 [1 - **1** - **1**].
Zimbabwe: Nampini: Carp, B.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1949: 2

8 August 1949

Congo (Democratic Republic of the): Thysville: Leleup, Narcisse: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 8 August 1949: 10

9 August 1949

Namibia: Chobe River Farm: Carp, B.: TM: 1 [1 - **1**] - Nampini: ?: Collector Unknown: TM: 1 [1]; Arends, Nicholas P.: AMNH: 1 [1]; Carp, B.: KM: 1, TM: 3 [4 - **6** - **7**].

Total Specimens for 9 August 1949: 7

10 August 1949

Congo (Democratic Republic of the): Mabwe: ?: Collector Unknown: RBINS: 10 [10 - **10**] - Mabwe river: de Witte, Gaston-François; *et al.*: RBINS: 6 [6 - **6** - **16**].

Total Specimens for 10 August 1949: 16

12 August 1949

Rwanda: Gakoma: Aureliaan: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1949: 1

13 August 1949

Congo (Democratic Republic of the): Mutsora: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1949: 1

17 August 1949

Congo (Democratic Republic of the): Thysville, cave b 13 a: Leleup, Narcisse: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 17 August 1949: 2

18 August 1949

Congo (Democratic Republic of the): Thysville: Leleup, Narcisse: RMCA: 14 [14 - **14** - **14**].
Kenya: Lamu Island: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1949: 15

22 August 1949

Congo (Democratic Republic of the): May ya Moto, sources chaudes: de Wilde, J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1949: 1

29 August 1949

Kenya: Elmenteita, near: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1949: 1

1 September 1949

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1949: 1

10 September 1949

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1949: 1

11 September 1949

"Africa": Unknown locality: Harrison, David Lakin: HZM: 1 [1 - **1** - **1**].

Total Specimens for 11 September 1949: 1

16 September 1949

Uganda: Entebbe, near: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1949: 1

18 September 1949

Malawi: Mwaya: Milton: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1949: 1

19 September 1949

Congo (Democratic Republic of the): Eringete: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 19 September 1949: 1

20 September 1949

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1949: 1

27 September 1949

Congo (Democratic Republic of the): Mutsora: de Wilde, J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1949: 1

1 October 1949

Congo (Democratic Republic of the): Bokalakala: Ngwe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1949: 1

10 October 1949

Egypt: Giza Pyramids: Wells, W.H.; Kuntz, Robert E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1949: 1

14 October 1949

South Africa: King William's Town: Arends, Nicholas P.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 14 October 1949: 2

19 October 1949

Kenya: Mombasa: Cade, C.E.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 October 1949: 2

22 October 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - Torit district: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **5**].

Total Specimens for 22 October 1949: 5

23 October 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 23 October 1949: 6

24 October 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 24 October 1949: 3

25 October 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 3, USNM: 1 [4 - **4** - **4**].

Total Specimens for 25 October 1949: 4

26 October 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 18 [18 - **18**] - Torit district: Hoogstraal, Harry H.: USNM: 5 [5 - **5** - **23**].

Total Specimens for 26 October 1949: 23

27 October 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 27 October 1949: 6

28 October 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 10, USNM: 2 [12 - **12**] - Torit district: Hoogstraal, Harry H.: USNM: 3 [3 - **3** - **15**].

Total Specimens for 28 October 1949: 15

29 October 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 4, USNM: 1 [5 - **5** - **5**].

Total Specimens for 29 October 1949: 5

31 October 1949

South Africa: King William's Town: Arends, Nicholas P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1949: 1

1 November 1949

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: BMNH: 2, RMCA: 1 [3 - **3** - **3**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4** - **4**].

Total Specimens for 1 November 1949: 7

4 November 1949

Congo (Democratic Republic of the): Mutsora: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Mauritius: Rose Hill: Onon, M.A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1949: 2

6 November 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - Torit district: Hoogstraal, Harry H.: USNM: 5 [5 - **5** - **10**].

Total Specimens for 6 November 1949: 10

7 November 1949

Congo (Democratic Republic of the): Gangala na Bodio: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1949: 1

8 November 1949

Congo (Democratic Republic of the): Gangala na Bodio: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1949: 3

12 November 1949

South Sudan: Ikoto: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1949: 1

14 November 1949

South Africa: King William's Town: Arends, Nicholas P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1949: 1

16 November 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1949: 1

17 November 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1949: 1

18 November 1949

Congo (Democratic Republic of the): Bagbele Moko: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1949: 1

22 November 1949

Congo (Democratic Republic of the): M'Pala, Kazenze: Lefébure, R.P.: RBINS: 5 [5 - **5** - **5**].

Total Specimens for 22 November 1949: 5

23 November 1949

South Sudan: Lafon: Hoogstraal, Harry H.: FMNH: 13, USNM: 6 [19 - **19**] - Torit: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **21**].
Sudan: Lafoon: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 23 November 1949: 27

26 November 1949

Kenya: Machakos, near: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1949: 2

27 November 1949

Kenya: Machakos, near: Cade, C.E.: FMNH: 2 [2 - **2** - **2**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 27 November 1949: 5

28 November 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1949: 1

29 November 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1949: 1

30 November 1949

Kenya: Ngong: Cade, C.E.: KU: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1949: 1

2 December 1949

Kenya: Karura Forest: Cade, C.E.: KU: 1 [1 - **1** - **1**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1949: 2

4 December 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1949: 1

5 December 1949

Kenya: Unknown locality: Williams, John George: UCLA: 1 [1 - **1**] - Ngong: Cade, C.E.: KU: 1 [1 - **1** - **2**].

South Africa: King William's Town: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 5 December 1949: 6

7 December 1949

Kenya: Machakos, near: Cade, C.E.: KU: 1 [1 - **1**] - Nairobi, 10 mi [= 16 km] below: Cade, C.E.: FMNH: 2 [2 - **2** - **3**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 7 December 1949: 7

8 December 1949

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 December 1949: 2

10 December 1949

Kenya: Lake Elementeita: Cade, C.E.: CAS: 1 [1 - **1**] - Nanyuki: Cade, C.E.: FMNH: 1 [1 - **1**] - Nanyuki [=Nanguki], near: Cade, C.E.: KU: 1 [1 - **1** - **3**].

Total Specimens for 10 December 1949: 3

12 December 1949

South Sudan: Southern Region: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - Torit: Hoogstraal, Harry H.: FMNH: 6 [6]; Owen, J.S.: ZMUC: 1 [1 - **7**] - Torit district: Hoogstraal, Harry H.: USNM: 3 [3 - **3** - **11**].

Total Specimens for 12 December 1949: 11

14 December 1949

Kenya: Ngong: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1949: 1

15 December 1949

Kenya: Nairobi, 10 mi [= 16 km] below: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1949: 1

16 December 1949

Kenya: Nairobi, 10 mi [= 16 km] below: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1949: 1

18 December 1949

Kenya: Bahati [policepost]: Schwartz, A.; Williams, John George: KU: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1949: 1

20 December 1949

South Sudan: Lafon: Owen, J.S.: ZMUC: 2 [2 - **2** - **2**].

Total Specimens for 20 December 1949: 2

24 December 1949

Congo (Democratic Republic of the): Gangala na Bodio: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3** - **3**].

Total Specimens for 24 December 1949: 3

28 December 1949

Kenya: Athi river: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1949: 2

29 December 1949

"Africa": Unknown locality: Felten, Heinz: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1949: 1

1 January 1950

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Dedegwa river: de Saeger, H.: RMCA: 1 [1 - **1**] - Garamba National Park: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 4 [4 - **6**] - Kere Kere: Turco: RMCA: 3 [3 - **3**] - Né, mount: Fain, Alexandre: RMCA: 1 [1 - **1**] - Paulis: Abbeloos: RMCA: 1 [1 - **1** - **13**].
Egypt: Faiyoum: ?: Collector Unknown: OMNH: 11 [11 - **11** - **11**].
Namibia: Okahandja: Hoesch, W.: FMNH: 14 [14 - **14** - **14**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1**] - Torit district: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **2**].
Sudan: Wad Medani: Hoogstraal, Harry H.: FMNH: 3 [3]; Lewis, D.J.: FMNH: 1 [1 - **4** - **4**].

Total Specimens for 1 January 1950: 44

2 January 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 10 [10]; Owen, J.S.: FMNH: 1 [1 - **11**] - Torit district: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **12**].

Total Specimens for 2 January 1950: 12

3 January 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 7 [7 - **7**] - Torit district: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **8**].

Total Specimens for 3 January 1950: 8

4 January 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 4 January 1950: 3

5 January 1950

Congo (Democratic Republic of the): Paulis: Abbeloos: RMCA: 1 [1 - **1** - **1**].
South Sudan: Torit: Owen, J.S.: ZMUC: 4 [4 - **4** - **4**].

Total Specimens for 5 January 1950: 5

7 January 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1950: 1

8 January 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 January 1950: 2

10 January 1950

Kenya: Diani Beach: Cade, C.E.: FMNH: 4 [4 - **4**] - Kibwezi, near: Cade, C.E.: FMNH: 2 [2 - **2**] - Mara River: Queeny, Edgar M.: AMNH: 8 [8 - **8** - **14**].

Total Specimens for 10 January 1950: 14

11 January 1950

Kenya: Mara River: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1950: 1

12 January 1950

Kenya: Diani Beach: Cade, C.E.: FMNH: 2 [2 - **2** - **2**].
South Sudan: Lobira: Owen, J.S.: ZMUC: 3 [3 - **3**] - Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **4**].

Total Specimens for 12 January 1950: 6

14 January 1950

South Sudan: Issore: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1950: 1

15 January 1950

South Sudan: Issore: Owen, J.S.: FMNH: 1 [1 - **1**] - Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 15 January 1950: 2

19 January 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - Torit district: Hoogstraal, Harry H.: USNM: 3 [3 - **3** - **7**].

Total Specimens for 19 January 1950: 7

21 January 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1950: 1

23 January 1950

South Sudan: Ikoto: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1950: 1

24 January 1950

Kenya: Kibwezi, 30 mi NNE: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - Kibwezi, near: Cade, C.E.: FMNH: 1 [1]; Queeny, Edgar M.: AMNH: 10 [10 - **11** - **12**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1950: 13

25 January 1950

Kenya: Kibwezi: Queeny, Edgar M.: AMNH: 2 [2 - **2**] - Kibwezi, 30 mi NNE: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - Kibwezi, near: Queeny, Edgar M.: AMNH: 4 [4 - **4** - **7**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1950: 8

26 January 1950

Egypt: Fayoum, caves: Wells, W.H.; Kuntz, Robert E.: USNM: 1 [1 - **1** - **1**].
Kenya: Kibwezi, near: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 26 January 1950: 4

27 January 1950

Egypt: Fayoum, caves: Wells, W.H.; Kuntz, Robert E.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 27 January 1950: 2

28 January 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Torit district: Hoogstraal, Harry H.: USNM: 2 [2 - **2** - **3**].

Total Specimens for 28 January 1950: 3

30 January 1950

Congo (Democratic Republic of the): Katshungu: Laurent: RMCA: 3 [3 - **3** - **3**].
Egypt: Abu Rawash: Wells, W.H.; Kuntz, Robert E.: USNM: 2 [2 - **2** - **2**].
South Sudan: Lodwara: Hoogstraal, Harry H.: FMNH: 7, USNM: 3 [10 - **10** - **10**].

Total Specimens for 30 January 1950: 15

31 January 1950

Sudan: Wad Medani: Hoogstraal, Harry H.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 31 January 1950: 3

1 February 1950

Congo (Democratic Republic of the): Buta: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Cel I: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **2**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 February 1950: 5

2 February 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1950: 1

4 February 1950

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1950: 1

5 February 1950

Kenya: Namanga: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - Namanga, near: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 5 February 1950: 2

6 February 1950

Kenya: Namanga, near: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1950: 1

8 February 1950

Kenya: Namanga: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **1**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1950: 2

9 February 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - Torit district: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **4**].

Total Specimens for 9 February 1950: 4

10 February 1950

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Wadere: Peper: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1950: 2

12 February 1950

Congo (Democratic Republic of the): Cel I: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].
Kenya: Bahati [policepost]: Queeny, Edgar M.: AMNH: 9 [9 - **9** - **9**].

Total Specimens for 12 February 1950: 10

13 February 1950

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].
Kenya: Busia: Queeny, Edgar M.: AMNH: 13 [13 - **13** - **13**].
South Sudan: Kotokeinyang: Hoogstraal, Harry H.: USNM: 7 [7 - **7**] - Sunnat: Hoogstraal, Harry H.: FMNH: 21 [21 - **21**] - Torit: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - Torit district: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **31**].

Total Specimens for 13 February 1950: 45

15 February 1950

South Sudan: Mongalla: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1950: 1

16 February 1950

South Sudan: Ikoto: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Uganda: Entebbe: Queeny, Edgar M.: AMNH: 2 [2 - **2**] - Entebbe, near: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **3**].

Total Specimens for 16 February 1950: 4

17 February 1950

Uganda: Entebbe: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - Entebbe, near: Queeny, Edgar M.: AMNH: 2 [2 - **2** - **3**].

Total Specimens for 17 February 1950: 3

20 February 1950

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 2 [2 - **2** - **2**].
Mozambique: Milepa: Vesey-FitzGerald, Leslie Desmond Edward Foster: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1950: 3

21 February 1950

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1950: 1

22 February 1950

South Sudan: Sunnat: Hoogstraal, Harry H.: FMNH: 2, USNM: 1 [3 - **3**] - Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **4**].

Total Specimens for 22 February 1950: 4

23 February 1950

South Sudan: Sunnat: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8** - **8**].
Uganda: Kichwamba, near: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1950: 9

24 February 1950

Congo (Democratic Republic of the): Bagbele Moko: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Cel I: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2** - **3**].
South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - Torit district: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **3**].

Total Specimens for 24 February 1950: 6

27 February 1950

South Sudan: Imatong: Owen, J.S.: ZMUC: 1 [1 - **1** - **1**].

Total Specimens for 27 February 1950: 1

28 February 1950

South Sudan: Torit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1950: 1

1 March 1950

Egypt: Zokila: Wells, W.H.: USNM: 4 [4 - **4** - **4**].
South Sudan: Imurok: Hoogstraal, Harry H.: FMNH: 9 [9 - **9**] - Nyibor, Lake: Queeny, Edgar M.: AMNH: 24 [24 - **24** - **33**].

Total Specimens for 1 March 1950: 37

5 March 1950

South Sudan: Torit: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1950: 1

6 March 1950

South Sudan: Torangole: Queeny, Edgar M.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 6 March 1950: 3

8 March 1950

South Sudan: Torit District: Queeny, Edgar M.: AMNH: 13 [13 - **13**] - Torit, near: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **14**].

Total Specimens for 8 March 1950: 14

13 March 1950

South Sudan: Mongalla: Owen, J.S.: ZMUC: 3 [3 - **3** - **3**].

Total Specimens for 13 March 1950: 3

15 March 1950

Egypt: Giza Pyramids: Wells, W.H.; Kuntz, Robert E.: USNM: 3 [3 - **3** - **3**].
South Sudan: Mongalla: Owen, J.S.: ZMUC: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1950: 4

16 March 1950

Egypt: Giza Pyramids: ?: Collector Unknown: OMNH: 9 [9]; Wells, W.H.; Kuntz, Robert E.: USNM: 3 [3 - **12** - **12**].
South Sudan: Loa: Owen, J.S.: ZMUC: 1 [1 - **1**] - Nimule: Queeny, Edgar M.: AMNH: 2 [2 - **2**] - Torit District: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **4**].
Uganda: Nimule: Queeny, Edgar M.: AMNH: 19 [19 - **19** - **19**].

Total Specimens for 16 March 1950: 35

17 March 1950

South Sudan: Mongalla: Owen, J.S.: ZMUC: 1 [1 - **1**] - Nimule: Owen, J.S.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 17 March 1950: 2

20 March 1950

South Sudan: Juba: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - Nimule: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 20 March 1950: 2

24 March 1950

South Sudan: Yirol District: Queeny, Edgar M.: AMNH: 12 [12 - **12** - **12**].

Total Specimens for 24 March 1950: 12

25 March 1950

South Sudan: Longairo: Owen, J.S.: FMNH: 1 [1 - **1**] - Nyibor, Lake: Queeny, Edgar M.: AMNH: 17 [17 - **17** - **18**].

Total Specimens for 25 March 1950: 18

27 March 1950

South Sudan: Nyibor, Lake: Queeny, Edgar M.: AMNH: 9 [9 - **9** - **9**].

Total Specimens for 27 March 1950: 9

28 March 1950

South Sudan: Nyibor, Lake: Queeny, Edgar M.: AMNH: 8 [8 - **8** - **8**].

Total Specimens for 28 March 1950: 8

29 March 1950

South Sudan: Mura: Owen, J.S.: FMNH: 6 [6 - **6**] - Nyibor, Lake: Queeny, Edgar M.: AMNH: 5 [5 - **5** - **11**].

Total Specimens for 29 March 1950: 11

30 March 1950

South Sudan: Lafon: Hoogstraal, Harry H.: FMNH: 3 [3]; Owen, J.S.: FMNH: 5 [5 - **8**] - Nyibor, Lake: Queeny, Edgar M.: AMNH: 8 [8 - **8** - **16**].

Total Specimens for 30 March 1950: 16

31 March 1950

Congo (Democratic Republic of the): Etembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
South Sudan: Nyibor, Lake: Queeny, Edgar M.: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 31 March 1950: 7

1 April 1950

South Sudan: Nyibor, Lake: Queeny, Edgar M.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1950: 2

2 April 1950

Congo (Democratic Republic of the): Ruvara: de Wilde, J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1950: 1

3 April 1950

Congo (Democratic Republic of the): Bagbele Moko: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3**] - Cel I: de Saeger, H.: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 3 April 1950: 4

7 April 1950

South Sudan: Lotti forest: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1950: 1

11 April 1950

Congo (Democratic Republic of the): Mutsora Station: de Wilde, J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1950: 1

12 April 1950

South Sudan: Lafon: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1950: 1

13 April 1950

Congo (Democratic Republic of the): Bagbele: de Saeger, H.; *et al.*: RBINS: 4 [4 - **4**] - Bagbele Moko: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **6**].

Total Specimens for 13 April 1950: 6

15 April 1950

Congo (Democratic Republic of the): Bagbele: de Saeger, H.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 15 April 1950: 4

17 April 1950

Congo (Democratic Republic of the): Nagbarama: de Saeger, H.: RMCA: 2 [2 - **2** - **2**].
South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 17 April 1950: 4

19 April 1950

Congo (Democratic Republic of the): Bagbele Moko: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1950: 1

20 April 1950

South Sudan: Loa: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 April 1950: 2

21 April 1950

South Sudan: Loa: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 April 1950: 3

30 April 1950

Botswana: Molepolole: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Bagbele: de Saeger, H.: RMCA: 3 [3 - **3** - **3**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1950: 5

1 May 1950

Congo (Democratic Republic of the): Costermansville: Babilon: RMCA: 1 [1 - **1** - **1**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1950: 2

3 May 1950

Rwanda: Astrida: Aureliaan: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 3 May 1950: 2

4 May 1950

Congo (Democratic Republic of the): Uvira: Laurent: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1950: 1

5 May 1950

South Sudan: Ikoto: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 5 May 1950: 4

7 May 1950

Botswana: Molepolole: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1950: 1

8 May 1950

Egypt: Al Jiza governorate: ?: Collector Unknown: OMNH: 13 [13 - **13**] - Al Jiza province: Wells, W.H.: USNM: 1 [1 - **1** - **14**].

Total Specimens for 8 May 1950: 14

9 May 1950

South Sudan: Chalamni: Owen, J.S.: FMNH: 1 [1 - **1**] - Murukurun: Owen, J.S.: FMNH: 5 [5 - **5** - **6**].

Total Specimens for 9 May 1950: 6

10 May 1950

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1950: 1

12 May 1950

Botswana: Molepolole: Larson, Thomas ("Tom"): AMNH: 13, MVZ: 5 [18 - **18** - **18**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 13, USNM: 12 [25 - **25**] - Giza pyramid, 2 km from: Hoogstraal, Harry H.: FMNH: 9, USNM: 10 [19 - **19** - **44**].
South Sudan: Imurok: Owen, J.S.: FMNH: 8 [8 - **8**] - Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **9**].

Total Specimens for 12 May 1950: 71

13 May 1950

South Sudan: Juba: Owen, J.S.: FMNH: 2 [2 - **2**] - Torit: Owen, J.S.: FMNH: 6 [6 - **6** - **8**].

Total Specimens for 13 May 1950: 8

14 May 1950

Egypt: Unknown locality: ?: Collector Unknown: OMNH: 4 [4 - **4** - **4**].

Total Specimens for 14 May 1950: 4

15 May 1950

Botswana: Molepolole: Larson, Thomas ("Tom"): AMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Aka: de Saeger, H.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 15 May 1950: 8

17 May 1950

Congo (Democratic Republic of the): Cel I: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
South Sudan: Imurok: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 17 May 1950: 4

20 May 1950

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Saqqara: Hoogstraal, Harry H.: FMNH: 23, USNM: 3 [26 - **26** - **27**].
South Sudan: Kerripi: Owen, J.S.: FMNH: 2 [2 - **2**] - Nimule: Owen, J.S.: FMNH: 2 [2 - **2** - **4**].

Total Specimens for 20 May 1950: 31

21 May 1950

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4** - **4**].

Total Specimens for 21 May 1950: 4

23 May 1950

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1950: 1

24 May 1950

Egypt: Kom O Shim: Wells, W.H.; Kuntz, Robert E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1950: 1

25 May 1950

Congo (Democratic Republic of the): Lubango: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1950: 1

26 May 1950

South Sudan: Torit: Owen, J.S.: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 26 May 1950: 8

27 May 1950

Egypt: Kom O Shim: Hoogstraal, Harry H.: FMNH: 30 [30 - **30** - **30**].

Total Specimens for 27 May 1950: 30

28 May 1950

Egypt: Giza pyramid, 2 km from: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - Saqqara: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Wadi el Natroun: Hoogstraal, Harry H.: FMNH: 12, USNM: 1 [13 - **13** - **20**].

Total Specimens for 28 May 1950: 20

1 June 1950

South Sudan: Katire: Owen, J.S.: FMNH: 9 [9 - **9**] - Loelli: Owen, J.S.: FMNH: 8 [8 - **8** - **17**].

Total Specimens for 1 June 1950: 17

3 June 1950

Egypt: Kom O Shim: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 June 1950: 2

4 June 1950

Egypt: Wardan: Hoogstraal, Harry H.: FMNH: 29 [29 - **29** - **29**].
Zimbabwe: Sabi-Lundi River, S junction: Carp Expedition, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1950: 30

5 June 1950

Congo (Democratic Republic of the): Cel I: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].
Zimbabwe: Sabi-Lundi junction: Carp, B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1950: 2

6 June 1950

Egypt: Saqqara: Wells, W.H.; Kuntz, Robert E.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 6 June 1950: 4

7 June 1950

Senegal: Camp Leclerc: Estanove, Guy: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1950: 1

10 June 1950

Kenya: Nanyuki: Cade, C.E.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 June 1950: 2

11 June 1950

Egypt: Lake Qarun, near: Hoogstraal, Harry H.: FMNH: 18 [18 - **18** - **18**].

Total Specimens for 11 June 1950: 18

16 June 1950

Botswana: Molepolole: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].
Egypt: Kafr Dawud: Hoogstraal, Harry H.: FMNH: 29, USNM: 16 [45 - **45** - **45**].

Total Specimens for 16 June 1950: 46

17 June 1950

South Sudan: Bor: Owen, J.S.: FMNH: 4 [4 - **4**] - Talanga forest: Owen, J.S.: FMNH: 4 [4 - **4** - **8**].

Total Specimens for 17 June 1950: 8

18 June 1950

Egypt: Kafr Dawud: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Kom Hamada: Hoogstraal, Harry H.: FMNH: 40, USNM: 34 [74 - **74** - **75**].

Total Specimens for 18 June 1950: 75

19 June 1950

South Sudan: Torit: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 19 June 1950: 5

20 June 1950

"Africa": Unknown locality: Harrison, David Lakin: HZM: 2 [2 - **2** - **2**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1950: 3

23 June 1950

"Africa": Unknown locality: Harrison, David Lakin: HZM: 1 [1 - **1** - **1**].
South Sudan: Juba: Owen, J.S.: FMNH: 12 [12 - **12** - **12**].

Total Specimens for 23 June 1950: 13

25 June 1950

Botswana: Molepolole: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - Kom Hamada: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 25 June 1950: 4

26 June 1950

Botswana: Molepolole: Larson, Thomas ("Tom"): MVZ: 2 [2 - **2** - **2**].

Total Specimens for 26 June 1950: 2

27 June 1950

Botswana: Molepolole: Larson, Thomas ("Tom"): MVZ: 3 [3 - **3** - **3**].

Total Specimens for 27 June 1950: 3

1 July 1950

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].
South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 July 1950: 3

2 July 1950

Egypt: Wadi Faran: Kuntz, Robert E.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 2 July 1950: 4

4 July 1950

Djibouti: Djibouti: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1950: 1

6 July 1950

Djibouti: Ali-Sabieh: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].
South Sudan: Torit: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 6 July 1950: 11

7 July 1950

South Sudan: Torit: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 7 July 1950: 3

11 July 1950

Tanzania: Rukwa: Bredo, H.J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1950: 1

13 July 1950

South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 July 1950: 2

16 July 1950

South Sudan: Nimule: Owen, J.S.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 16 July 1950: 7

18 July 1950

Algeria: Djelfa: Laenen, J.: ZFMK: 1 [1 - **1** - **1**].
Botswana: Molepolole: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].
Egypt: Kom Hamada: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1950: 3

19 July 1950

Congo (Democratic Republic of the): Cel I: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1950: 1

20 July 1950

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1950: 1

21 July 1950

South Sudan: Loa: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1950: 1

24 July 1950

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1950: 1

28 July 1950

Egypt: Sinai, Wadi El Feiran: Hoogstraal, Harry H.: FMNH: 10 [10 - **10** - **10**].
South Sudan: Loqutor: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 28 July 1950: 14

30 July 1950

South Sudan: Torit: Owen, J.S.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 30 July 1950: 10

2 August 1950

Kenya: Namanga: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1950: 1

4 August 1950

South Sudan: Torit: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 4 August 1950: 3

5 August 1950

South Sudan: Okaru: Owen, J.S.: FMNH: 15 [15 - **15** - **15**].

Total Specimens for 5 August 1950: 15

6 August 1950

South Sudan: Lowai: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1950: 1

8 August 1950

Uganda: Entebbe: Buxton, A.P.: AMNH: 9 [9 - **9** - **9**].

Total Specimens for 8 August 1950: 9

9 August 1950

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1950: 1

14 August 1950

South Sudan: Tirangole: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 14 August 1950: 5

15 August 1950

South Sudan: Torit: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 15 August 1950: 5

18 August 1950

Congo (Democratic Republic of the): Nambiliki / Dungu: de Saeger, H.: RMCA: 36 [36]; de Saeger, H.; *et al.*: RBINS: 11 [11 - **47** - **47**].
South Sudan: Imurok: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 18 August 1950: 51

20 August 1950

Egypt: Saqqara: ?: Collector Unknown: OMNH: 8 [8 - **8** - **8**].

Total Specimens for 20 August 1950: 8

21 August 1950

South Sudan: Torit: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 21 August 1950: 4

23 August 1950

South Sudan: Lafon: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 August 1950: 2

27 August 1950

Kenya: Lake Magadi: Cade, C.E.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 27 August 1950: 3

28 August 1950

Congo (Democratic Republic of the): Lubuka cave: Laurent: RMCA: 2 [2 - **2** - **2**].
Kenya: Thika: Cade, C.E.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 August 1950: 5

29 August 1950

South Sudan: Nimule: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 29 August 1950: 5

30 August 1950

Kenya: Thika: Schwartz, A.; Cade, C.E.: KU: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1950: 1

31 August 1950

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1950: 1

1 September 1950

Egypt: Saqqara: ?: Collector Unknown: OMNH: 5 [5 - **5** - **5**].

Total Specimens for 1 September 1950: 5

2 September 1950

South Sudan: Imurok: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 2 September 1950: 4

4 September 1950

Kenya: Kibwezi, near: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Morocco: Ras El Oued, cave: ?: Collector Unknown: BRTC: 2 [2 - **2** - **2**].

Total Specimens for 4 September 1950: 3

5 September 1950

Egypt: Saqqara: Kuntz, Robert E.: USNM: 5 [5 - **5** - **5**].
Morocco: Rasel Oued cave: Strinati, Pierre; Aellen, Villy: AMNH: 1 [1 - **1** - **1**].
South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 September 1950: 8

6 September 1950

Kenya: Lake Naivasha, near: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1950: 1

7 September 1950

Kenya: Athi river: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].
South Sudan: Tirangole: Owen, J.S.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 7 September 1950: 10

9 September 1950

Kenya: South-East slope of Mount Elgon: Cade, C.E.: FMNH: 14 [14 - **14** - **14**].

Total Specimens for 9 September 1950: 14

10 September 1950

Kenya: South-East slope of Mount Elgon: Cade, C.E.: FMNH: 20 [20 - **20** - **20**].
Namibia: Omaruru: Hoesch, W.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1950: 21

11 September 1950

Kenya: South-East slope of Mount Elgon: Cade, C.E.: FMNH: 13 [13 - **13** - **13**].
Tanzania: Songea: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 September 1950: 14

13 September 1950

Botswana: Maun: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Luiko: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 September 1950: 2

16 September 1950

Congo (Democratic Republic of the): Tshibinda: Hendricks, F.L.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1950: 1

17 September 1950

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1950: 1

21 September 1950

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Saqqara: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **2**].
Kenya: Nairobi, 10 mi [= 16 km] below: Cade, C.E.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 21 September 1950: 6

26 September 1950

Botswana: Maun: Larson, Thomas ("Tom"): AMNH: 62, KU: 2, MVZ: 10 [74 - **74** - **74**].

Total Specimens for 26 September 1950: 74

28 September 1950

Botswana: Maun: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1950: 1

1 October 1950

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 2 [2 - **2**] - Kawa: Fain, Alexandre: RMCA: 1 [1 - **1**] - Ndwa: Ngwe: RMCA: 3 [3 - **3** - **6**].
South Sudan: Katire: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1950: 7

2 October 1950

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1950: 1

4 October 1950

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 October 1950: 1

5 October 1950

Botswana: Shakawe: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Dungu: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 5 October 1950: 2

7 October 1950

Congo (Democratic Republic of the): Léopoldville: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1950: 1

10 October 1950

Botswana: Molepolole: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - Shakawe: Larson, Thomas ("Tom"): KU: 1 [1 - **1** - **2**].

Total Specimens for 10 October 1950: 2

16 October 1950

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 16 October 1950: 3

17 October 1950

Congo (Democratic Republic of the): Unknown locality: Antwerp Zoo, The: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1950: 1

20 October 1950

Botswana: Maun: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].
Egypt: Saqqara: Hoogstraal, Harry H.: FMNH: 32, USNM: 1 [33 - **33** - **33**].

Total Specimens for 20 October 1950: 34

21 October 1950

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - Saqqara: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **4**].

Total Specimens for 21 October 1950: 4

22 October 1950

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1950: 1

31 October 1950

Congo (Democratic Republic of the): Cel I: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1950: 1

1 November 1950

South Africa: Maritzburg: Friedmann, Herbert: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1950: 1

9 November 1950

Uganda: Entebbe: Buxton, A.P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1950: 1

13 November 1950

South Sudan: Lawudo: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 November 1950: 2

16 November 1950

South Sudan: Torit: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 16 November 1950: 3

17 November 1950

South Sudan: Torit: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 17 November 1950: 3

19 November 1950

South Sudan: Lawudo: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1950: 1

20 November 1950

South Africa: Pietermaritzburg: Holliday, C.S.: USNM: 1 [1 - **1**] - Pietermartizburg: Clancey, Phillip Alexander: HZM: 1 [1 - **1** - **2**].
Sudan: Dongola: El Rayah, M.A.: ROM: 1 [1 - **1**] - Old Dongola: El Rayah, M.A.: ROM: 3 [3 - **3** - **4**].

Total Specimens for 20 November 1950: 6

22 November 1950

Congo (Democratic Republic of the): Cel I: de Saeger, H.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 22 November 1950: 2

23 November 1950

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1950: 1

25 November 1950

Botswana: Shakawe: Larson, Thomas ("Tom"): AMNH: 3 [3 - **3** - **3**].
Tanzania: Turiani: Cade, C.E.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 25 November 1950: 6

28 November 1950

South Sudan: Gilo: Owen, J.S.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 28 November 1950: 6

29 November 1950

Botswana: Maun: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1950: 1

1 December 1950

Botswana: Mohembo: Larson, Thomas ("Tom"): AMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - Mount Wago: Fain, Alexandre: RMCA: 7 [7 - **7** - **8**].

Total Specimens for 1 December 1950: 10

2 December 1950

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1950: 1

3 December 1950

South Sudan: Katuluru: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 3 December 1950: 3

6 December 1950

Congo (Democratic Republic of the): Buta: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Cel I: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 6 December 1950: 2

7 December 1950

South Sudan: Chalamni: Owen, J.S.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 7 December 1950: 7

9 December 1950

Botswana: Mohembo: Larson, Thomas ("Tom"): AMNH: 10, KU: 4 [14 - **14** - **14**].

Total Specimens for 9 December 1950: 14

10 December 1950

Congo (Democratic Republic of the): Paulis: Abbeloos: RMCA: 2 [2 - **2** - **2**].
Namibia: Rehoboth: Hoesch, W.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1950: 3

11 December 1950

South Sudan: Shukoli: Owen, J.S.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 11 December 1950: 7

12 December 1950

Congo (Democratic Republic of the): Cel I: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1950: 1

19 December 1950

South Sudan: Imurok: Owen, J.S.: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 19 December 1950: 11

20 December 1950

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1950: 1

21 December 1950

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 December 1950: 1

22 December 1950

South Africa: Onderstepoort: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
South Sudan: Gilo: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1950: 2

23 December 1950

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1950: 1

24 December 1950

South Sudan: Nagishot: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 24 December 1950: 5

25 December 1950

South Sudan: Nagishot: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 25 December 1950: 4

26 December 1950

Rwanda: Astrida: Aureliaan: RMCA: 1 [1 - **1** - **1**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1950: 2

27 December 1950

Congo (Democratic Republic of the): Garamba National Park: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1950: 1

28 December 1950

South Sudan: Torit: Owen, J.S.: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 28 December 1950: 11

29 December 1950

Kenya: Nakuru, near: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1950: 1

30 December 1950

South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 30 December 1950: 2

31 December 1950

South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 31 December 1950: 2

1 January 1951

Congo (Democratic Republic of the): Bunia: Fain, Alexandre: RMCA: 1 [1 - **1**] - Kawa forest: Fain, Alexandre: RMCA: 1 [1 - **1**] - Mount Wago: Fain, Alexandre: RMCA: 21 [21 - **21**] - Nyamunyunye: Hendricks, F.L.: RMCA: 3 [3 - **3**] - Wago: Fain, Alexandre: RMCA: 10 [10 - **10**] - Wasa: Fain, Alexandre: RMCA: 1 [1 - **1** - **37**].
Rwanda: Astrida: Aureliaan: RMCA: 1 [1 - **1** - **1**].
South Sudan: Amadi: Owen, J.S.: FMNH: 3 [3 - **3**] - Ngop: Owen, J.S.: FMNH: 3 [3 - **3**] - Yirol: Owen, J.S.: FMNH: 2 [2 - **2** - **8**].
Uganda: Nimule, near: Witter, Dean: CAS: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1951: 47

2 January 1951

South Sudan: Torit: Owen, J.S.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 2 January 1951: 6

3 January 1951

South Sudan: Ikoto: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 3 January 1951: 5

4 January 1951

South Sudan: Logirim: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 4 January 1951: 3

7 January 1951

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].
Zimbabwe: Gorgman: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1951: 2

10 January 1951

Rwanda: Astrida: Aureliaan: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1951: 1

16 January 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
South Sudan: Issore: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 16 January 1951: 4

18 January 1951

Congo (Democratic Republic of the): Bagunda: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3**] - Garamba National Park: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **4**].
Zimbabwe: Inyanga: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1951: 5

19 January 1951

Congo (Democratic Republic of the): Bagunda: de Saeger, H.; *et al.*: RBINS: 7 [7 - **7** - **7**].

Total Specimens for 19 January 1951: 7

20 January 1951

Rwanda: Astrida: Aureliaan: RMCA: 1 [1 - **1** - **1**].
South Sudan: Torit: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 20 January 1951: 5

22 January 1951

South Africa: Bloemfontein: Van Ee, W.F.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1951: 1

23 January 1951

Sierra Leone: Rokupr: Jones, Theo Simpson: MCZ: 2 [2 - **2** - **2**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1951: 3

24 January 1951

South Sudan: Torit: Owen, J.S.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 24 January 1951: 9

25 January 1951

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **3**].
South Sudan: Katuluru: Owen, J.S.: FMNH: 4 [4 - **4**] - Torit: Owen, J.S.: FMNH: 3, ZMUC: 1 [4 - **4** - **8**].

Total Specimens for 25 January 1951: 11

26 January 1951

South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2**] - Yirol: Owen, J.S.: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 26 January 1951: 3

27 January 1951

South Africa: Town Bush Valley cave: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1951: 1

28 January 1951

Gabon: Cap Esterias: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1951: 2

29 January 1951

South Sudan: Loa: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1951: 1

30 January 1951

Congo (Democratic Republic of the): Wilibadi river: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
South Sudan: Loa: Owen, J.S.: FMNH: 2, ZMUC: 1 [3 - **3**] - Loelli: Owen, J.S.: FMNH: 3 [3 - **3** - **6**].

Total Specimens for 30 January 1951: 7

1 February 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
Namibia: Okahandja: Hoesch, W.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 February 1951: 3

2 February 1951

South Africa: Pietermaritzburg: Clancey, Phillip Alexander: HZM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1951: 1

5 February 1951

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1951: 1

6 February 1951

South Sudan: Katire: Owen, J.S.: FMNH: 3 [3 - **3**] - Lokwi: Owen, J.S.: FMNH: 1 [1 - **1** - **4**].

Total Specimens for 6 February 1951: 4

7 February 1951

South Sudan: Katire: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 7 February 1951: 3

8 February 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1951: 1

9 February 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Maleli: de Saeger, H.; *et al.*: RBINS: 6 [6 - **6** - **7**].
South Sudan: Lokwi: Owen, J.S.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 9 February 1951: 16

13 February 1951

South Africa: Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1951: 1

15 February 1951

South Sudan: Issore: Owen, J.S.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 15 February 1951: 6

16 February 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Garamba National Park: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **2**].
South Sudan: Issore: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1951: 3

20 February 1951

Congo (Democratic Republic of the): Biadimbi: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 4 [4 - **5** - **5**].

Total Specimens for 20 February 1951: 5

21 February 1951

Congo (Democratic Republic of the): Biadimbi: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
South Africa: Pretoria: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1951: 2

23 February 1951

Congo (Democratic Republic of the): Bamangwa: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3**] - Bamongwa: de Saeger, H.: RMCA: 2 [2 - **2** - **5**].
Eritrea: Asmara, 6 mi W: Hoogstraal, Harry H.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 23 February 1951: 12

24 February 1951

South Sudan: Molongori: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 24 February 1951: 5

26 February 1951

South Sudan: Katire: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1951: 1

1 March 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **4** - **4**].
Egypt: Saqqara: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Namibia: Osjitambi farm: Hoesch, W.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 March 1951: 7

3 March 1951

South Africa: Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1951: 1

4 March 1951

Sudan: Sherkeila: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 March 1951: 1

7 March 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1951: 1

8 March 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 8 March 1951: 2

12 March 1951

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 18, USNM: 2 [20 - **20** - **20**].

Total Specimens for 12 March 1951: 20

14 March 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - Giza Pyramids: Hoogstraal, Harry H.: FMNH: 4, USNM: 3 [7 - **7** - **11**].

Total Specimens for 14 March 1951: 12

15 March 1951

Congo (Democratic Republic of the): Bongale: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1951: 1

16 March 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 10 [10]; de Saeger, H.; *et al.*: RBINS: 5 [5 - **15** - **15**].
Egypt: Saqqara: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1951: 16

17 March 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3** - **3**].
South Sudan: Lofi: Owen, J.S.: FMNH: 6 [6 - **6**] - Lokwi: Owen, J.S.: FMNH: 1 [1 - **1** - **7**].

Total Specimens for 17 March 1951: 10

18 March 1951

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 28 [28 - **28** - **28**].
South Sudan: Latome: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1951: 29

20 March 1951

South Sudan: Latome: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1951: 1

22 March 1951

Congo (Democratic Republic of the): Bongale: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
South Sudan: Lofi: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 22 March 1951: 6

26 March 1951

South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 26 March 1951: 2

27 March 1951

Zimbabwe: Gourlays Block: National Museum Bulawayo, the: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1951: 1

30 March 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **3**] - Garamba National Park: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **5**].

Total Specimens for 30 March 1951: 5

31 March 1951

South Sudan: Nyibor, Lake: Queeny, Edgar M.: AMNH: 3 [3 - **3**] - Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **4**].

Total Specimens for 31 March 1951: 4

1 April 1951

Congo (Democratic Republic of the): Uvira: Lambrecht, F.L.: RMCA: 1 [1 - **1** - **1**].
Namibia: Okahandja: Hoesch, W.: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 1 April 1951: 12

2 April 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 6 [6]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **8** - **8**].

Total Specimens for 2 April 1951: 8

4 April 1951

Congo (Democratic Republic of the): Mutsora: Christiaens, R.: RBINS: 1 [1 - **1** - **1**].
Gabon: Port Gentile: Beatty, Harry A.: FMNH: 5 [5 - **5** - **5**].
South Sudan: Lafon: Owen, J.S.: ZMUC: 3 [3 - **3** - **3**].

Total Specimens for 4 April 1951: 9

5 April 1951

Congo (Democratic Republic of the): Kassi river: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1951: 1

6 April 1951

Egypt: Abu Sir: Hoogstraal, Harry H.: FMNH: 27 [27 - **27** - **27**].

Total Specimens for 6 April 1951: 27

7 April 1951

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
South Sudan: Katire: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1951: 2

8 April 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1951: 1

9 April 1951

South Sudan: Katire: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 9 April 1951: 4

10 April 1951

Gabon: Port Gentile: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1951: 1

12 April 1951

Congo (Democratic Republic of the): Maleli: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1951: 2

14 April 1951

South Sudan: Palwar: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 14 April 1951: 2

18 April 1951

South Sudan: Katire: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 April 1951: 2

19 April 1951

Congo (Democratic Republic of the): Kitwabaluzi: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].
South Sudan: Katire: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1951: 3

22 April 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 6, USNM: 3 [9 - **9**] - Abu Sir: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **12**].

Total Specimens for 22 April 1951: 13

30 April 1951

Egypt: Wadi el Natroun: Malakatis, G.M.: USNM: 3 [3]; Wells, W.H.; Kuntz, Robert E.: USNM: 2 [2 - **5** - **5**].

Total Specimens for 30 April 1951: 5

1 May 1951

Namibia: Mount Raupenhelm, near: Hoesch, W.: FMNH: 12 [12 - **12** - **12**].

Total Specimens for 1 May 1951: 12

2 May 1951

Congo (Democratic Republic of the): Epulu: Schwartz, A.; Porter, R.N.: KU: 4 [4 - **4** - **4**].

Total Specimens for 2 May 1951: 4

3 May 1951

Congo (Democratic Republic of the): Epulu: Schwartz, A.; Porter, R.N.: KU: 2 [2 - **2** - **2**].
Egypt: Gizeh: Hoogstraal, Harry H.: FMNH: 17, USNM: 15 [32 - **32** - **32**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1951: 35

4 May 1951

Congo (Democratic Republic of the): Gangala na Bodio: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Nagero: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 4 [4 - **6**] - Paulis: Abbeloos: RMCA: 1 [1 - **1** - **8**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1951: 9

6 May 1951

South Sudan: Ikoto: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1951: 1

7 May 1951

South Sudan: Ikoto: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 7 May 1951: 2

9 May 1951

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1951: 1

10 May 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 13 [13 - **16** - **16**].

Total Specimens for 10 May 1951: 16

12 May 1951

Botswana: Livingstone Cave: Larson, Thomas ("Tom"): AMNH: 4 [4 - **4**] - Molepolole: Larson, Thomas ("Tom"): AMNH: 30 [30 - **30** - **34**].
Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - Garamba National Park: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **3**].
Egypt: Saqqara: Hoogstraal, Harry H.: FMNH: 23, USNM: 22 [45 - **45** - **45**].
Gabon: Ogooue-Maritime province: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1951: 83

13 May 1951

Congo (Democratic Republic of the): Maleli: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1951: 1

14 May 1951

Egypt: Giza Pyramids: ?: Collector Unknown: OMNH: 17 [17 - **17**] - Gizeh: ?: Collector Unknown: OMNH: 8 [8 - **8** - **25**].
South Sudan: Katire: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1951: 26

15 May 1951

Egypt: Gizeh: ?: Collector Unknown: OMNH: 1 [1]; Kuntz, Robert E.: USNM: 13 [13 - **14** - **14**].

Total Specimens for 15 May 1951: 14

16 May 1951

Congo: Bongolo: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1951: 1

18 May 1951

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1951: 1

19 May 1951

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].
Uganda: Kampala: Buxton, A.P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1951: 3

20 May 1951

Gabon: Mouila: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].
South Sudan: Katire: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 May 1951: 2

21 May 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 3 [3 - **4** - **4**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8** - **8**].
Uganda: Kampala: Buxton, A.P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1951: 13

22 May 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 22 May 1951: 2

23 May 1951

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 3, USNM: 3 [6 - **6** - **6**].

Total Specimens for 23 May 1951: 6

25 May 1951

Egypt: El Mansuriya, 4 km W: Hoogstraal, Harry H.: FMNH: 23 [23 - **23** - **23**].

Total Specimens for 25 May 1951: 23

26 May 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

South Sudan: Torit: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 26 May 1951: 4

27 May 1951

South Sudan: Torit: Owen, J.S.: ZMUC: 5 [5 - **5** - **5**].

Total Specimens for 27 May 1951: 5

28 May 1951

Egypt: El Mansuriya: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - El Mansuriya, 4 km W: Hoogstraal, Harry H.: FMNH: 9 [9 - **9** - **11**].

Total Specimens for 28 May 1951: 11

29 May 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
Egypt: El Mansuriya, 4 km W: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Saqqara: Hoogstraal, Harry H.: FMNH: 34, USNM: 23 [57 - **57** - **58**].

Total Specimens for 29 May 1951: 59

30 May 1951

Egypt: El Mansuriya, 4 km W: Hoogstraal, Harry H.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 30 May 1951: 10

31 May 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 3 [3 - **3** - **3**].
South Sudan: Katire: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1951: 4

1 June 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Né, mount: Fain, Alexandre: RMCA: 1 [1 - **1** - **2**].
Kenya: Machakos: Cade, C.E.: CAS: 1 [1 - **1** - **1**].
Namibia: Kako, Otavi: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
South Africa: Pietermartizburg: Clancey, Phillip Alexander: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1951: 5

3 June 1951

Gabon: Mount Tandou: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1951: 1

6 June 1951

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 1 [1 - **1**] - Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **2**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1951: 3

8 June 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Malakatis, G.M.; Kuntz, Robert E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1951: 2

10 June 1951

Congo (Democratic Republic of the): Maleli: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1951: 1

11 June 1951

Congo (Democratic Republic of the): Maleli: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 11 June 1951: 2

12 June 1951

South Sudan: Katire: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].
Uganda: V.R.I.: Buxton, A.P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 June 1951: 2

13 June 1951

Congo (Democratic Republic of the): Maleli: de Saeger, H.; *et al.*: RBINS: 7 [7 - **7**] - Malili: de Saeger, H.: RMCA: 8 [8 - **8**] - Marari: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Morubia: de Saeger, H.: RMCA: 1 [1 - **1** - **17**].
South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 June 1951: 19

14 June 1951

Congo (Democratic Republic of the): Maleli: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - Malili: de Saeger, H.: RMCA: 4 [4 - **4**] - Morubia: de Saeger, H.: RMCA: 1 [1 - **1** - **7**].
Egypt: Al Jiza governorate: Hoogstraal, Harry H.: FLMNH: 1 [1 - **1**] - Giza Pyramids: Hoogstraal, Harry H.: FMNH: 102, USNM: 2 [104 - **104** - **105**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1951: 113

16 June 1951

Congo (Democratic Republic of the): Mutsora: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1951: 1

18 June 1951

Namibia: Kaoko Otavi: Carp Expedition 1951, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1951: 1

19 June 1951

Egypt: Abu Rawash: Kuntz, Robert E.: USNM: 25 [25 - **25** - **25**].
Uganda: V.R.I.: Buxton, A.P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1951: 26

20 June 1951

South Africa: Stellenbosch Flats: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 20 June 1951: 2

21 June 1951

Egypt: Burgh-El-Arab: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].
South Sudan: Lokwi: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 June 1951: 6

23 June 1951

Congo: Bongolo: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].
Namibia: Swartbooisdrift: Carp, B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1951: 2

25 June 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

Uganda: V.R.I.: Buxton, A.P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1951: 3

27 June 1951

Botswana: Livingstone Cave: Larson, Thomas ("Tom"): AMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 June 1951: 2

28 June 1951

Eritrea: Sembel: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1951: 1

29 June 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].
Eritrea: Sembel: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Namibia: Ohopoho: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 June 1951: 3

30 June 1951

Congo (Democratic Republic of the): Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1951: 1

1 July 1951

Congo (Democratic Republic of the): Mount Wago: ?: Collector Unknown: RBINS: 1 [1]; Fain, Alexandre: RMCA: 5 [5 - **6**] - Wago: Fain, Alexandre: RMCA: 5 [5 - **5** - **11**].
Egypt: El Mansuriya: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8** - **8**].
Rwanda: Astrida: Aureliaan: RMCA: 1 [1 - **1** - **1**].
South Sudan: Loelli: Owen, J.S.: FMNH: 1 [1 - **1**] - Lokwi: Owen, J.S.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 1 July 1951: 22

3 July 1951

Congo (Democratic Republic of the): Mutsora: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1951: 1

7 July 1951

South Sudan: Torit: Owen, J.S.: ZMUC: 2 [2 - **2** - **2**].

Total Specimens for 7 July 1951: 2

8 July 1951

Congo (Democratic Republic of the): Mogbwamu river: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2** - **2**].

Total Specimens for 8 July 1951: 2

9 July 1951

South Sudan: Nagishot: Owen, J.S.: ZMUC: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1951: 1

10 July 1951

Congo (Democratic Republic of the): Makpe river, upper: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
Kenya: Kenya, mount: Stockley, C.H.: BMNH: 1 [1 - **1** - **1**].
South Sudan: Lokwi: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1951: 3

12 July 1951

Congo (Democratic Republic of the): Buluku river: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Makpe: de Saeger, H.: RMCA: 2 [2 - **2**] - Makpe river, upper: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **4**].

Total Specimens for 12 July 1951: 4

13 July 1951

Congo (Democratic Republic of the): Makpe: de Saeger, H.: RMCA: 1 [1 - **1**] - Makpe river, upper: de Saeger, H.; *et al.*: RBINS: 5 [5 - **5** - **6**].

Total Specimens for 13 July 1951: 6

14 July 1951

Congo (Democratic Republic of the): Makpe: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1951: 1

19 July 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 3 [3 - **4** - **4**].

Total Specimens for 19 July 1951: 4

21 July 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **4**] - Garamba National Park: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **5**].

Total Specimens for 21 July 1951: 5

23 July 1951

Congo: Bongolo: Beatty, Harry A.: FMNH: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **3**].
Gabon: Port Gentile: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1951: 7

24 July 1951

Congo (Democratic Republic of the): Kawa: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1951: 1

29 July 1951

Congo (Democratic Republic of the): Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1951: 1

30 July 1951

Congo (Democratic Republic of the): Kasenyi: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1951: 1

31 July 1951

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1951: 1

1 August 1951

Egypt: El Arish: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].
South Sudan: Kapoeta: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1951: 4

3 August 1951

Egypt: Giza pyramids area: Hoogstraal, Harry H.: FMNH: 14, USNM: 1 [15 - **15** - **15**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1951: 16

7 August 1951

Congo (Democratic Republic of the): Yangambi: Toussaint, L.: RBINS: 1 [1 - **1** - **1**].
Egypt: Kom O Shim: Hoogstraal, Harry H.: FMNH: 8, USNM: 6 [14 - **14** - **14**].
South Sudan: Ikoto: Owen, J.S.: FMNH: 3 [3 - **3**] - Lokwi: Owen, J.S.: FMNH: 2 [2 - **2** - **5**].

Total Specimens for 7 August 1951: 20

8 August 1951

Congo (Democratic Republic of the): Makpe: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
Kenya: Ruiru: Cade, C.E.: CAS: 1 [1 - **1** - **1**].
South Sudan: Ikoto: Owen, J.S.: FMNH: 1 [1 - **1**] - Lokwi: Owen, J.S.: FMNH: 2 [2 - **2** - **3**].

Total Specimens for 8 August 1951: 5

9 August 1951

Egypt: Giza pyramids area: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 9 August 1951: 2

10 August 1951

Congo (Democratic Republic of the): Aba: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3** - **3**].

Total Specimens for 10 August 1951: 3

15 August 1951

Kenya: Kiambu: Cade, C.E.: CAS: 1 [1 - **1** - **1**].
South Sudan: Katire: Owen, J.S.: FMNH: 1 [1 - **1**] - Lokwi: Owen, J.S.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 15 August 1951: 3

16 August 1951

Kenya: Ngong: Cade, C.E.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1951: 1

17 August 1951

Algeria: Ténès: Strinati, Pierre: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1951: 1

18 August 1951

Congo (Democratic Republic of the): Banana: Mesmaekers, Is.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 18 August 1951: 3

23 August 1951

Kenya: Ijara: Perry, R.C.: BMNH: 3 [3 - **3** - **3**].
South Sudan: Fula Rapids: Owen, J.S.: FMNH: 1 [1 - **1**] - Nimule: Owen, J.S.: FMNH: 4 [4 - **4** - **5**].

Total Specimens for 23 August 1951: 8

24 August 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1951: 1

31 August 1951

Egypt: El Arish: Wassif, Kamal: USNM: 3 [3 - **3** - **3**].

Total Specimens for 31 August 1951: 3

1 September 1951

Congo (Democratic Republic of the): Matupi Cave: Fain, Alexandre: RMCA: 2 [2 - **2**] - Yolohotiri cave: Fain, Alexandre: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 1 September 1951: 3

2 September 1951

South Sudan: Nagishot: Owen, J.S.: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 2 September 1951: 8

6 September 1951

Egypt: Abu Rawash: ?: Collector Unknown: OMNH: 3 [3 - **3** - **3**].

Total Specimens for 6 September 1951: 3

7 September 1951

South Sudan: Lokwi: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 7 September 1951: 4

12 September 1951

Congo (Democratic Republic of the): Uvira: Leleup, Narcisse: RMCA: 18 [18 - **18** - **18**].
South Sudan: Ngangala, 20 mi [=32 km]N: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 September 1951: 19

14 September 1951

South Africa: Pietermaritzburg: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1951: 1

19 September 1951

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 September 1951: 1

20 September 1951

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 134, USNM: 112 [246 - **246**] - Giza pyramids area: Hoogstraal, Harry H.: FMNH: 8, USNM: 4 [12 - **12** - **258**].

Total Specimens for 20 September 1951: 258

24 September 1951

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 12 [12 - **12**] - Giza Pyramids: Hoogstraal, Harry H.: USNM: 12 [12 - **12** - **24**].

Total Specimens for 24 September 1951: 24

25 September 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 September 1951: 4

26 September 1951

Gabon: Mouila: Beatty, Harry A.: FMNH: 2 [2 - **2** - **2**].

South Sudan: Lafon: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 26 September 1951: 6

29 September 1951

Gabon: Mouila: Beatty, Harry A.: FMNH: 3 [3 - **3** - **3**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1951: 4

30 September 1951

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1951: 1

4 October 1951

Egypt: Wadi Digla: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 4 October 1951: 2

5 October 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 5 October 1951: 1

6 October 1951

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 6 October 1951: 7

10 October 1951

Egypt: Wadi el Natroun: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1951: 1

11 October 1951

Kenya: Shimoni: Williams, J.C.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 11 October 1951: 4

12 October 1951

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 12 October 1951: 6

16 October 1951

Congo: Djambala: Beatty, Harry A.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 October 1951: 2

17 October 1951

Congo: Djambala: Beatty, Harry A.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 17 October 1951: 2

19 October 1951

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1951: 1

23 October 1951

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 23 October 1951: 3

25 October 1951

Congo (Democratic Republic of the): Korovi, mount: Fain, Alexandre: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 25 October 1951: 4

26 October 1951

Egypt: Kom O Shim: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4** - **4**].

Total Specimens for 26 October 1951: 4

29 October 1951

Congo (Democratic Republic of the): Kamituga and Kampene, road between: Percy, P.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1951: 1

1 November 1951

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - Irumu: Fain, Alexandre: BMNH: 1, RMCA: 1 [2 - **2**] - Mount Wago: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Wago: Fain, Alexandre: RMCA: 3 [3 - **3** - **8**].

Total Specimens for 1 November 1951: 8

2 November 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1951: 1

7 November 1951

Congo (Democratic Republic of the): Wago: Fain, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 7 November 1951: 2

10 November 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
South Sudan: Lokwi: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1951: 2

11 November 1951

South Sudan: Gilo: Owen, J.S.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 11 November 1951: 6

12 November 1951

South Sudan: Lokwi: Owen, J.S.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 12 November 1951: 9

14 November 1951

South Sudan: Lokwi: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1951: 1

16 November 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3** - **3**].

Total Specimens for 16 November 1951: 3

19 November 1951

Congo: Djambala: Beatty, Harry A.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 19 November 1951: 5

25 November 1951

Congo (Democratic Republic of the): Korovi, mount: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1951: 1

26 November 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **4** - **4**].

Total Specimens for 26 November 1951: 4

28 November 1951

Guinea: Zié cave: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Total Specimens for 28 November 1951: 3

3 December 1951

Congo (Democratic Republic of the): Ndelele: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1951: 1

7 December 1951

Madagascar: Andrandoka: Tipton, V.J.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 7 December 1951: 6

10 December 1951

Congo (Democratic Republic of the): Gandajika: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
South Sudan: Lokwi: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 10 December 1951: 4

11 December 1951

Tanzania: Liwale: Ionides, Constantine J.P.: HZM: 2 [2 - **2** - **2**].

Total Specimens for 11 December 1951: 2

12 December 1951

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2** - **2**].

Total Specimens for 12 December 1951: 2

13 December 1951

South Sudan: Gilo: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1951: 1

16 December 1951

Congo (Democratic Republic of the): Banana - Boma road km 74, 25 km from coast in forest: Mesmaekers, Is.: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 16 December 1951: 11

20 December 1951

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1951: 1

21 December 1951

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 December 1951: 1

27 December 1951

Congo (Democratic Republic of the): Nagero: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1951: 1

1 January 1952

Burundi: Vumbi: Fain, Alexandre: RMCA: 4 [4 - **4** - **4**].
Congo (Democratic Republic of the): Bamania: Leonet: RMCA: 1 [1 - **1**] - Banana: Mesmaekers, Is.: RMCA: 5 [5 - **5**] - Bokoro: Jans, E.: RMCA: 1 [1 - **1**] - Bokuma: Lootens, P.: RMCA: 1 [1 - **1**] - Bukavu: Vercammen, P.G.: RMCA: 1 [1 - **1**] - Djugu forest: Fain, Alexandre: RMCA: 1 [1 - **1**] - Kabongo: Dierckx, M.: RMCA: 2 [2 - **2**] - Kawa: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Mount Wago: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Sankuru: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1** - **15**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 4 [4 - **4** - **4**].
Namibia: Karibib or Okahandja: Gaerdes, F.: SMF: 1 [1 - **1** - **1**].
South Sudan: Katire: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1952: 26

12 January 1952

Congo (Democratic Republic of the): Kabanga: Spaute, L.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1952: 1

15 January 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **3**].
Kenya: Kiambu, near: Williams, J.C.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 15 January 1952: 10

19 January 1952

Congo (Democratic Republic of the): Bokungu: Dupuis, L.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 19 January 1952: 2

20 January 1952

Congo (Democratic Republic of the): Keyberg: Rahm, Uwe: RMCA: 2 [2 - **2** - **2**].
South Sudan: Lafon: Owen, J.S.: FMNH: 1 [1 - **1**] - Lawudo: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Palwar: Owen, J.S.: FMNH: 10 [10 - **10** - **12**].

Total Specimens for 20 January 1952: 14

22 January 1952

Congo (Democratic Republic of the): Mpaza: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1952: 1

24 January 1952

Congo (Democratic Republic of the): Mpaza: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 6 [6 - **8** - **8**].

Total Specimens for 24 January 1952: 8

27 January 1952

Congo (Democratic Republic of the): Yokamba Elongo: Stevenart: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1952: 1

28 January 1952

South Sudan: Katire: Owen, J.S.: FMNH: 3 [3 - **3**] - Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **4**].

Total Specimens for 28 January 1952: 4

29 January 1952

Burundi: Nyanza territory: Laurent: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1952: 1

30 January 1952

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 3 [3 - **3** - **3**].
South Sudan: Loa: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 30 January 1952: 5

31 January 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 5 [5]; de Saeger, H.; *et al.*: RBINS: 4 [4 - **9** - **9**].

Total Specimens for 31 January 1952: 9

1 February 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2** - **2**].

Total Specimens for 1 February 1952: 2

4 February 1952

Congo (Democratic Republic of the): Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 4 February 1952: 2

7 February 1952

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 4 [4 - **4**] - Garamba National Park: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - PFNK.15: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - PFNK.16: de Saeger, H.: RMCA: 1 [1 - **1**] - PNFK.16: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **12**].

Total Specimens for 7 February 1952: 12

8 February 1952

Congo (Democratic Republic of the): Ndelele: de Saeger, H.: RMCA: 9 [9]; de Saeger, H.; *et al.*: RBINS: 9 [9 - **18** - **18**].

Total Specimens for 8 February 1952: 18

12 February 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 12 February 1952: 2

14 February 1952

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1952: 1

16 February 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Lutunguru: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 16 February 1952: 2

17 February 1952

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1952: 1

18 February 1952

Congo: Epéna: Beatty, Harry A.: FMNH: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3** - **3**].

Total Specimens for 18 February 1952: 6

21 February 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1952: 1

22 February 1952

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1952: 1

25 February 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].
South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 February 1952: 3

26 February 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3** - **3**].

Total Specimens for 26 February 1952: 3

27 February 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 27 February 1952: 1

28 February 1952

South Sudan: Torit: Owen, J.S.: FMNH: 22 [22 - **22** - **22**].

Total Specimens for 28 February 1952: 22

29 February 1952

South Sudan: Magwe: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 29 February 1952: 4

1 March 1952

South Africa: Marone: Zumpt, Frits Konrad Ernst: BMNH: 1 [1 - **1** - **1**].
South Sudan: Katire: Owen, J.S.: FMNH: 2 [2 - **2**] - Lokwi: Owen, J.S.: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 1 March 1952: 4

2 March 1952

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 5 [5 - **5**] - Ndelele: de Saeger, H.: RMCA: 1 [1 - **1** - **6**].
South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1952: 7

3 March 1952

Congo (Democratic Republic of the): Ndelele: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3** - **3**].

South Sudan: Katuluru: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 March 1952: 5

4 March 1952

Congo (Democratic Republic of the): Iso: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 8 [8 - **10**] - Iso.4: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **11**].
South Sudan: Lowai: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 4 March 1952: 13

6 March 1952

Congo (Democratic Republic of the): Liki: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Nampume: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - Nampune: de Saeger, H.: RMCA: 1 [1 - **1** - **4**].
South Sudan: Torit: Owen, J.S.: FMNH: 4 [4 - **4**] - Tungu, mount: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **5**].

Total Specimens for 6 March 1952: 9

7 March 1952

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 1 [1 - **1**] - Cel II: de Saeger, H.: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 7 March 1952: 3

8 March 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - Mogbwamu river: de Saeger, H.: RMCA: 9 [9]; de Saeger, H.; *et al.*: RBINS: 10 [10 - **19**] - Ndelele: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **22**].

Total Specimens for 8 March 1952: 22

10 March 1952

Congo (Democratic Republic of the): Nadegbe river: de Saeger, H.: RMCA: 2 [2 - **2**] - Taere river: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3**] - Tayele: de Saeger, H.: RMCA: 1 [1 - **1** - **6**].

Total Specimens for 10 March 1952: 6

11 March 1952

Burundi: Nyankende: Laurent: RMCA: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Ndelele: de Saeger, H.: RMCA: 5 [5]; de Saeger, H.; *et al.*: RBINS: 6 [6 - **11** - **11**].
Egypt: Saqqara: Hoogstraal, Harry H.: FMNH: 5, USNM: 1 [6 - **6** - **6**].
Zambia: Solwezi Boma: Ansell, William Frank Harding: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 11 March 1952: 20

13 March 1952

Congo (Democratic Republic of the): Banana: Mesmaekers, Is.: RMCA: 10 [10 - **10**] - Ndelele: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **11**].

Total Specimens for 13 March 1952: 11

15 March 1952

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 3 [3 - **3**] - PFSK 8: de Saeger, H.: RMCA: 2 [2 - **2** - **5**].

Total Specimens for 15 March 1952: 5

18 March 1952

Congo (Democratic Republic of the): Garamba National Park: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Maleli: de Saeger, H.; *et al.*: RBINS: 27 [27 - **27**] - Malili: de Saeger, H.: RMCA: 6 [6 - **6**] - Morubia: de Saeger, H.: RMCA: 1 [1 - **1**] - PPK.78: de Saeger, H.: RMCA: 3 [3 - **3** - **38**].

Total Specimens for 18 March 1952: 38

19 March 1952

Burundi: Ruyigi: Laurent: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 March 1952: 1

21 March 1952

Egypt: Siwa Oasis: Malakatis, G.M.; Kuntz, Robert E.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 21 March 1952: 6

22 March 1952

Congo (Democratic Republic of the): Tore: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1952: 1

23 March 1952

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 23 March 1952: 3

24 March 1952

Congo (Democratic Republic of the): Nagero: de Saeger, H.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 24 March 1952: 4

25 March 1952

Congo (Democratic Republic of the): PFSK 8: de Saeger, H.: RMCA: 3 [3 - **3**] - PFSK.8: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3** - **6**].

Total Specimens for 25 March 1952: 6

26 March 1952

Congo (Democratic Republic of the): Nagero: de Saeger, H.: RMCA: 1 [1 - **1**] - PFSK.17: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **2**].
Egypt: Siwa Oasis: Hoogstraal, Harry H.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 26 March 1952: 7

30 March 1952

Egypt: El Khatatba: Hoogstraal, Harry H.: FMNH: 35 [35 - **35** - **35**].

Total Specimens for 30 March 1952: 35

31 March 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **4** - **4**].

Total Specimens for 31 March 1952: 4

1 April 1952

Congo (Democratic Republic of the): Faradje: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 6 [6 - **8** - **8**].
Rwanda: Astrida: Laurent: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1952: 9

2 April 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 3 [3 - **4**] - Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - PPK.51: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **7**].

Total Specimens for 2 April 1952: 7

3 April 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1952: 1

4 April 1952

Nigeria: Umuahia: Cozens, A.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1952: 1

6 April 1952

Egypt: Kom O Shim: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 6 April 1952: 2

7 April 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **4**] - Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **5**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 30, USNM: 2 [32 - **32**] - Abu Sir: Hoogstraal, Harry H.: FMNH: 12, USNM: 28 [40 - **40** - **72**].

Total Specimens for 7 April 1952: 77

8 April 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **5** - **5**].

Total Specimens for 8 April 1952: 5

12 April 1952

Congo (Democratic Republic of the): Banana: Mesmaekers, Is.: BMNH: 1, RMCA: 16 [17 - **17** - **17**].

Total Specimens for 12 April 1952: 17

15 April 1952

Gabon: Tchibanga: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1952: 1

16 April 1952

Congo (Democratic Republic of the): Bamania: Leonet: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1952: 2

18 April 1952

Congo (Democratic Republic of the): Nakpanga: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3**] - Nakpanga river: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **4**].
Tanzania: Tenguru: Brooks, A.C.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 18 April 1952: 7

19 April 1952

Congo (Democratic Republic of the): Bagisana: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Embe: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Kokodo river: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - Kokodu: de Saeger, H.: RMCA: 1 [1 - **1** - **5**].

Total Specimens for 19 April 1952: 5

20 April 1952

Congo (Democratic Republic of the): Embe: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Meridi river: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2** - **3**].

Total Specimens for 20 April 1952: 3

21 April 1952

Congo (Democratic Republic of the): Bagisana: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Keroma: de Saeger, H.: RMCA: 136 [136]; de Saeger, H.; *et al.*: RBINS: 229 [229 - **365** - **368**].

Total Specimens for 21 April 1952: 368

23 April 1952

Congo (Democratic Republic of the): Aka: de Saeger, H.; *et al.*: RBINS: 8 [8 - **8**] - Pidigala Nord river: de Saeger, H.; *et al.*: RBINS: 6 [6 - **6**] - Pidigala river: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 11 [11 - **13** - **27**].
Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 23 April 1952: 29

24 April 1952

Congo (Democratic Republic of the): Pidigala Nord river: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - Pidigala river: de Saeger, H.: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 24 April 1952: 3

26 April 1952

Chad: Fort Archambault: Carter, T. Donald: AMNH: 1 [1]; Webber, W.A.: USNM: 1 [1]; Weber, W.: USNM: 1 [1 - **3** - **3**].

Total Specimens for 26 April 1952: 3

27 April 1952

Chad: Fort Archambault: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Byangore river: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 27 April 1952: 2

28 April 1952

Congo (Democratic Republic of the): Bokungu: Dupuis, L.: RMCA: 1 [1 - **1** - **1**].
Zambia: Solwezi Boma: Ansell, William Frank Harding: BMNH: 2, USNM: 1 [3 - **3** - **3**].

Total Specimens for 28 April 1952: 4

29 April 1952

Cameroon: Buéa: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].
Chad: Fort Archambault: Carter, T. Donald: AMNH: 7 [7 - **7** - **7**].

Total Specimens for 29 April 1952: 8

30 April 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 4 [4]; de Saeger, H.; *et al.*: RBINS: 8 [8 - **12** - **12**].

Total Specimens for 30 April 1952: 12

1 May 1952

Congo (Democratic Republic of the): Banana: Mesmaekers, Is.: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 1 May 1952: 12

2 May 1952

Congo (Democratic Republic of the): Iyonda: Michielsen: RMCA: 1 [1 - **1** - **1**].
Rwanda: Astrida: Vercammen, P.G.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1952: 2

3 May 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1952: 1

8 May 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3**] - Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **4**].

Total Specimens for 8 May 1952: 4

10 May 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 10 May 1952: 2

11 May 1952

South Africa: Sterkfontein caves: Maseko, S.: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1952: 1

13 May 1952

Rwanda: Astrida: Vercammen, P.G.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 13 May 1952: 2

14 May 1952

Chad: Kosakobo: Carter, T. Donald: AMNH: 5 [5 - **5** - **5**].
Congo (Democratic Republic of the): Aka: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 3 [3 - **4**] - Mutsora: ?: Collector Unknown: RBINS: 1 [1 - **1** - **5**].

Total Specimens for 14 May 1952: 10

15 May 1952

Congo (Democratic Republic of the): Aka: de Saeger, H.: RMCA: 4 [4]; de Saeger, H.; *et al.*: RBINS: 13 [13 - **17**] - Aka-Inimvua confluence: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **3**] - Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Inimvua: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 5 [5 - **7** - **28**].

Total Specimens for 15 May 1952: 28

16 May 1952

Congo (Democratic Republic of the): Aka: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 16 May 1952: 2

18 May 1952

Chad: Kosakobo: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1952: 1

19 May 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1 - **1**] - Dedegwa river: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 9 [9 - **12** - **13**].

Total Specimens for 19 May 1952: 13

20 May 1952

Congo (Democratic Republic of the): Congo-Nil-Aka: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Soudan river: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **3**].

Total Specimens for 20 May 1952: 3

22 May 1952

Congo (Democratic Republic of the): Aka river: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Buluku river: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 5 [5 - **8**] - Makpe river, upper: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **11**].

Total Specimens for 22 May 1952: 11

24 May 1952

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 24 May 1952: 2

25 May 1952

Chad: Fort Archambault: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Egypt: El Lahun: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 May 1952: 3

26 May 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
Zambia: Luanshya: Haydock, E.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1952: 2

27 May 1952

Tanzania: Usangi: Zink, G.: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 27 May 1952: 2

28 May 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **3**].
Tanzania: Usangi: Zink, G.: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 28 May 1952: 4

30 May 1952

Tanzania: Usangi: Zink, G.: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1952: 1

1 June 1952

South Sudan: Lokwi: Owen, J.S.: FMNH: 10 [10 - **10** - **10**].
Uganda: Soroti: Williams, J.C.: FMNH: 2 [2]; Williams, John George: FMNH: 2 [2 - **4** - **4**].

Total Specimens for 1 June 1952: 14

2 June 1952

Chad: Guidari: Carter, T. Donald: AMNH: 7 [7 - **7** - **7**].

Total Specimens for 2 June 1952: 7

3 June 1952

Chad: Guidari: Carter, T. Donald: AMNH: 7 [7]; Weber, W.: USNM: 1 [1 - **8** - **8**].

Total Specimens for 3 June 1952: 8

5 June 1952

Chad: Lai: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1952: 1

9 June 1952

Chad: Guidari: Carter, T. Donald: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 June 1952: 2

10 June 1952

Congo (Democratic Republic of the): Utukuru: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 12, USNM: 11 [23 - **23** - **23**].

Total Specimens for 10 June 1952: 24

11 June 1952

Congo (Democratic Republic of the): Kalikimvua: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 11 June 1952: 1

14 June 1952

Congo (Democratic Republic of the): Kawa: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1952: 1

16 June 1952

Congo (Democratic Republic of the): PFSK.20: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1952: 1

17 June 1952

Gabon: Makokou: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
South Sudan: Tungu, mount: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 17 June 1952: 3

19 June 1952

Congo (Democratic Republic of the): Ndelele: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1952: 1

20 June 1952

Congo (Democratic Republic of the): Moko river: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 20 June 1952: 2

1 July 1952

Congo (Democratic Republic of the): Mount Wago: Fain, Alexandre: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 1 July 1952: 5

3 July 1952

"Africa": Aoule: Paling van Veen, W.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1952: 1

4 July 1952

Morocco: Taza province: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 4 July 1952: 2

6 July 1952

Djibouti: Ali Sabiet and Dikkit: Wells, W.H.; Kuntz, Robert E.: USNM: 2 [2 - **2** - **2**].
Malawi: Ufudu Village: Carr, Archie Fairly: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1952: 3

7 July 1952

Senegal: Saint-Louis: Constantine, Denny G.: MVZ: 1 [1 - **1** - **1**].

Tanzania: Simiyu river: Williams, J.C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 July 1952: 2

9 July 1952

Congo (Democratic Republic of the): Blukwa: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1952: 1

10 July 1952

Congo (Democratic Republic of the): Edouard,lac: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Tanzania: Simiyu river: Williams, John George: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1952: 2

11 July 1952

Congo (Democratic Republic of the): Mutsora: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1952: 1

14 July 1952

Tanzania: Misingi: Zink, G.: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1952: 1

16 July 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - Kawa: Fain, Alexandre: BMNH: 1, RMCA: 1 [2 - **2** - **4**].
Egypt: Idfina: ?: Collector Unknown: OMNH: 4 [4 - **4** - **4**].

Total Specimens for 16 July 1952: 8

17 July 1952

Congo (Democratic Republic of the): Kawa: Fain, Alexandre: BMNH: 1 [1 - **1** - **1**].
Namibia: Lisikili, lake: Smithers, Reay Henry Noble: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1952: 2

19 July 1952

Congo (Democratic Republic of the): Kawa: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1952: 1

20 July 1952

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 1 [1 - **1**] - Kagada: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 20 July 1952: 2

21 July 1952

Egypt: Tora: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 July 1952: 2

23 July 1952

Congo (Democratic Republic of the): Uduku: de Saeger, H.; *et al.*: RBINS: 4 [4 - **4** - **4**].

Total Specimens for 23 July 1952: 4

24 July 1952

Congo (Democratic Republic of the): Kawa: Fain, Alexandre: RMCA: 3 [3 - **3**] - Uduku: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 3 [3 - **4**] - Uduku Moke: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **5** - **12**].

Total Specimens for 24 July 1952: 12

25 July 1952

Congo (Democratic Republic of the): Bagbele Moke: de Saeger, H.: RMCA: 1 [1 - **1**] - Bokuma: Lootens, P.: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 25 July 1952: 3

26 July 1952

Congo (Democratic Republic of the): Bagbele Moke: de Saeger, H.: RMCA: 17 [17 - **17**] - Bagbele Moko: de Saeger, H.; *et al.*: RBINS: 27 [27 - **27** - **44**].

Total Specimens for 26 July 1952: 44

29 July 1952

Congo (Democratic Republic of the): Mount Wago: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1952: 1

30 July 1952

Zambia: Senanza: Carp Expedition, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1952: 1

31 July 1952

Congo (Democratic Republic of the): Ndelele: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1952: 1

1 August 1952

Congo (Democratic Republic of the): Banana: Mesmaekers, Is.: RMCA: 2 [2 - **2**] - Jiba: Fain, Alexandre: RMCA: 3 [3 - **3**] - Jiba Trisasi: Fain, Alexandre: RMCA: 1 [1 - **1**] - Kalenda: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Mabanga: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3**] - Mount Wago: Fain, Alexandre: BMNH: 1 [1 - **1**] - Wasa: Fain, Alexandre: RMCA: 1 [1 - **1**] - Wasa Wago Forest: Fain, Alexandre: RMCA: 1 [1 - **1** - **13**].

Total Specimens for 1 August 1952: 13

2 August 1952

Congo (Democratic Republic of the): PPK.10: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3** - **3**].

Total Specimens for 2 August 1952: 3

3 August 1952

Congo (Democratic Republic of the): Misu: Fain, Alexandre: RMCA: 3 [3 - **3**] - Wasa: Fain, Alexandre: RMCA: 2 [2 - **2** - **5**].

Total Specimens for 3 August 1952: 5

5 August 1952

Congo (Democratic Republic of the): Elisabethville: Smitz, A.: RBINS: 1 [1 - **1**] - Kawa: Fain, Alexandre: BMNH: 1 [1 - **1**] - Saliboko: Fain, Alexandre: RMCA: 1 [1 - **1** - **3**].
Gabon: N'dende: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1952: 4

6 August 1952

South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1952: 2

7 August 1952

Congo (Democratic Republic of the): Kawa: Fain, Alexandre: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1952: 1

9 August 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Abu Rawash, 5 km W: Hoogstraal, Harry H.: FMNH: 3, USNM: 3 [6 - **6** - **7**].

Total Specimens for 9 August 1952: 7

12 August 1952

South Sudan: Juba: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 12 August 1952: 2

16 August 1952

Congo (Democratic Republic of the): Bukavu: Vercammen, P.G.: RMCA: 4 [4 - **4**] - Shabunda: Vercammen, P.G.: RMCA: 2 [2 - **2** - **6**].

Total Specimens for 16 August 1952: 6

19 August 1952

Namibia: Gam: Handley, Charles O.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1952: 1

20 August 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Cairo Citadel: Hoogstraal, Harry H.: FMNH: 9 [9 - **9** - **10**].

Total Specimens for 20 August 1952: 10

21 August 1952

Nigeria: Umuahia: Cozens, A.B.: BMNH: 2 [2 - **2** - **2**].
South Sudan: Torit: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 August 1952: 4

22 August 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 28, USNM: 28 [56 - **56**] - Tora: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **57**].
Uganda: Mahoma river, cave near: Evans, G. Owen: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1952: 58

25 August 1952

Egypt: Cairo, 20 mi E: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1952: 1

26 August 1952

Egypt: Abu Rawash, 5 km W: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].
Namibia: Gam: Handley, Charles O.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1952: 3

28 August 1952

Congo (Democratic Republic of the): Wago: Fain, Alexandre: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 28 August 1952: 3

29 August 1952

Congo (Democratic Republic of the): Né, mount: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1952: 1

30 August 1952

Congo (Democratic Republic of the): Né, mount: Fain, Alexandre: RMCA: 2 [2 - **2**] - Wago: Fain, Alexandre: RMCA: 11 [11 - **11** - **13**].

Total Specimens for 30 August 1952: 13

1 September 1952

Madagascar: Mistinjo: Paulian, Renaud: MNHN: 1 [1 - **1**] - Namoroka, Réserve Naturelle: Paulian, Renaud: MNHN: 1 [1 - **1** - **2**].
South Africa: Durban: ?: Collector Unknown: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1952: 3

2 September 1952

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 3, USNM: 1 [4 - **4**] - Tora: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **5**].

Total Specimens for 2 September 1952: 5

3 September 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 6 [6 - **9** - **9**].

Total Specimens for 3 September 1952: 9

4 September 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1952: 1

8 September 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - Kalenda [Kasai]: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].
Egypt: Giza pyramid, 1 km N: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1952: 3

9 September 1952

Tanzania: Nashallo: Zink, G.: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 9 September 1952: 2

11 September 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 11 September 1952: 2

13 September 1952

Congo (Democratic Republic of the): Mount Wago: Fain, Alexandre: RMCA: 10 [10 - **10**] - Wago: Fain, Alexandre: RMCA: 2 [2 - **2** - **12**].

Total Specimens for 13 September 1952: 12

15 September 1952

Cameroon: Ebolowa: Good, A.I.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1952: 1

16 September 1952

Congo (Democratic Republic of the): Mount Wago: Fain, Alexandre: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 16 September 1952: 3

17 September 1952

Congo (Democratic Republic of the): Mount Wago: ?: Collector Unknown: RBINS: 1 [1]; Fain, Alexandre: RMCA: 1 [1 - **2**] - Wago: Fain, Alexandre: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 17 September 1952: 3

18 September 1952

Congo (Democratic Republic of the): Mount Wago: ?: Collector Unknown: RBINS: 1 [1]; Fain, Alexandre: RMCA: 1 [1 - **2** - **2**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1952: 3

21 September 1952

Congo (Democratic Republic of the): Mount Wago: Fain, Alexandre: RMCA: 1 [1 - **1**] - Wago: Fain, Alexandre: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 21 September 1952: 2

22 September 1952

Congo (Democratic Republic of the): Drodro: Fain, Alexandre: MHNG: 1 [1 - **1**] - Lundjulu: Schepens: RMCA: 1 [1 - **1**] - Saliboko: ?: Collector Unknown: RBINS: 1 [1]; Fain, Alexandre: RMCA: 4 [4 - **5** - **7**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 22 September 1952: 11

23 September 1952

Congo (Democratic Republic of the): Mount Wago: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].
Tanzania: Kilindoni: Swynnerton, G.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1952: 2

25 September 1952

Congo (Democratic Republic of the): Mont Ne: Fain, Alexandre: MHNG: 1 [1 - **1**] - Né, mount: Fain, Alexandre: BMNH: 1, RMCA: 1 [2 - **2** - **3**].
Tanzania: Kilindoni: Swynnerton, G.H.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 25 September 1952: 6

26 September 1952

South Sudan: Katire: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 26 September 1952: 5

27 September 1952

Tanzania: Ngombeni: ?: Collector Unknown: BRTC: 1 [1]; Swynnerton, G.H.: CAWM: 1 [1 - **2** - **2**].

Total Specimens for 27 September 1952: 2

29 September 1952

Congo (Democratic Republic of the): Né, mount: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Namibia: Windhoek: Mertens, Robert: SMF: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1952: 3

1 October 1952

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 5, USNM: 4 [9 - **9** - **9**].

South Africa: Colesburg: Badenhorst,M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1952: 11

2 October 1952

Egypt: Cairo Citadel: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - Tora: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Wadi el Natroun: Hoogstraal, Harry H.: FMNH: 10 [10]; Kuntz, Robert E.: USNM: 5 [5 - **15** - **18**].

Total Specimens for 2 October 1952: 18

3 October 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **4**] - Parc National de Garamba: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **5**].

Total Specimens for 3 October 1952: 5

4 October 1952

South Sudan: Torit: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 October 1952: 1

8 October 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 7, USNM: 7 [14 - **14** - **14**].
Nigeria: Umuahia: Cozens, A.B.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1952: 15

10 October 1952

Tanzania: Kua: Swynnerton, G.H.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 10 October 1952: 3

14 October 1952

Congo (Democratic Republic of the): Lundjulu: Schepens: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1952: 1

16 October 1952

Rwanda: Tshyohaha, lake: Laurent: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 October 1952: 1

22 October 1952

Congo (Democratic Republic of the): Cel II: de Saeger, H.: RMCA: 2 [2 - **2** - **2**].
Tanzania: Chimala: Knipper: SMNS: 4 [4 - **4** - **4**].

Total Specimens for 22 October 1952: 6

24 October 1952

"Africa": Unknown locality: ?: Collector Unknown: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1952: 1

28 October 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 28 October 1952: 2

31 October 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4** - **4**].

Total Specimens for 31 October 1952: 4

1 November 1952

Congo (Democratic Republic of the): Mount Wago: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1952: 1

2 November 1952

Tanzania: Trina: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1952: 1

3 November 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4** - **4**].

Total Specimens for 3 November 1952: 4

5 November 1952

Cameroon: Ebolowa: Good, A.I.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 5 November 1952: 5

18 November 1952

Cameroon: Ebolowa: Good, A.I.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1952: 1

19 November 1952

Congo (Democratic Republic of the): Mutsora: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Ndelele: de Saeger, H.; *et al.*: RBINS: 4 [4 - **4** - **5**].

Total Specimens for 19 November 1952: 5

25 November 1952

Zambia: Mazabuka Boma: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1952: 1

26 November 1952

Congo (Democratic Republic of the): Goma: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1952: 1

1 December 1952

Congo (Democratic Republic of the): Ibembo: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - Thysville: Basilewsky, P.: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 1 December 1952: 2

9 December 1952

Congo (Democratic Republic of the): Goma: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1952: 1

10 December 1952

Kenya: Namanga: Williams, John George: HZM: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1952: 1

14 December 1952

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1952: 1

15 December 1952

Congo (Democratic Republic of the): Mutsora: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1952: 1

18 December 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1952: 1

19 December 1952

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 19 December 1952: 2

23 December 1952

Cameroon: Foulassi: Perret, J.L.: MHNG: 2 [2 - **2** - **2**].
Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1952: 3

24 December 1952

Congo (Democratic Republic of the): Goma: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
South Sudan: Lokwi: Owen, J.S.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 24 December 1952: 11

26 December 1952

Congo (Democratic Republic of the): Mondombe: Dupuis, L.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1952: 1

27 December 1952

South Africa: Rhin Z: Zumpt, Frits Konrad Ernst: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1952: 1

29 December 1952

Cameroon: Ebolowa: Good, A.I.: FMNH: 1 [1 - **1** - **1**].
South Sudan: Lokwi: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Bagamoyo: Brooks, A.C.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 December 1952: 4

30 December 1952

Cameroon: Ebolowa: Good, A.I.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1952: 1

31 December 1952

South Sudan: Imatong mountains: Owen, J.S.: FMNH: 1 [1 - **1**] - Jebel Goumia: Owen, J.S.: FMNH: 21 [21 - **21** - **22**].

Total Specimens for 31 December 1952: 22

1 January 1953

Botswana: Tsau: Cope, J.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Ambarau: Dewulf, H.: RMCA: 1 [1 - **1**] - Lubondai-Tshimbulu: Marks, S.: RMCA: 3 [3 - **3**] - Mondombe: Dupuis, L.: RMCA: 1 [1 - **1** - **5**].
Egypt: Gizeh: Malakatis, G.M.; Kuntz, Robert E.: OMNH: 2 [2 - **2** - **2**].
Morocco: Berkane: Brosset, André: MNHN: 1 [1 - **1**] - Grotte de Zegzel: ?: Collector Unknown: ZMA: 1 [1 - **1** - **2**].
Nigeria: Ibadan: Clausen, H.S.: ZMUC: 2 [2 - **2** - **2**].
Rwanda: Astrida: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

South Africa: Nelspruit: Zumpt, Frits Konrad Ernst: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1953: 14

2 January 1953

Congo (Democratic Republic of the): Vitshumbi: KEA-Mission, The: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1953: 1

3 January 1953

Cameroon: Foulassi: Perret, J.L.: MHNG: 1 [1 - **1** - **1**].
Tanzania: Ukara island: Smith, 1: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1953: 2

5 January 1953

Burundi: Kinazi: Basilewsky, P.: RMCA: 3 [3 - **3** - **3**].
Zambia: Abercorn: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1953: 4

8 January 1953

Cameroon: Ngam: Perret, J.L.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1953: 1

12 January 1953

Congo (Democratic Republic of the): Vitshumbi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 5, USNM: 5 [10 - **10** - **10**].

Total Specimens for 12 January 1953: 11

13 January 1953

Egypt: Abu Sir: Hoogstraal, Harry H.: FMNH: 14 [14 - **14** - **14**].

Total Specimens for 13 January 1953: 14

16 January 1953

Cameroon: Ebolowa: Good, A.I.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 January 1953: 2

18 January 1953

Tanzania: Ngaruka: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1953: 1

20 January 1953

Egypt: Saqqara: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8** - **8**].

Total Specimens for 20 January 1953: 8

23 January 1953

Congo (Democratic Republic of the): Kalonge: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1953: 1

26 January 1953

Egypt: Abu Sir: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1953: 1

27 January 1953

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 7 [7 - **7** - **7**].
Tanzania: Liwale: Swynnerton, G.H.; Brooks: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1953: 8

28 January 1953

Congo (Democratic Republic of the): Kalonge: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1953: 1

30 January 1953

Tanzania: Banagi: Brooks, A.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 January 1953: 1

31 January 1953

Tanzania: Banagi: Brooks, A.C.: BMNH: 1 [1]; Swynnerton, G.H.: BMNH: 1 [1 - **2** - **2**].

Total Specimens for 31 January 1953: 2

1 February 1953

Tanzania: Liwale: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1953: 1

2 February 1953

Tanzania: Kampi Ya Mawe: Swynnerton, G.H.: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 2 February 1953: 4

5 February 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 February 1953: 2

9 February 1953

Cameroon: Ebolowa: Good, A.I.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1953: 1

10 February 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1953: 1

11 February 1953

Tanzania: Banagi: Brooks, A.C.: BMNH: 1 [1 - **1** - **1**].
Zambia: Mazabuka Boma: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1953: 2

14 February 1953

Cameroon: Foulassi: Perret, J.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1953: 1

16 February 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Tanzania: Karugu: Swynnerton, G.H.: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 16 February 1953: 5

21 February 1953

Tanzania: Bukova T.T.: Swynnerton, G.H.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 February 1953: 2

22 February 1953

Congo (Democratic Republic of the): Kalonge: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1953: 1

26 February 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 26 February 1953: 2

1 March 1953

Tanzania: Ukara island: Smith, 1: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1953: 1

2 March 1953

Tanzania: Banagi: Brooks, A.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1953: 1

5 March 1953

Tanzania: Banagi: Brooks, A.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1953: 1

10 March 1953

Congo (Democratic Republic of the): Goma: KEA-Mission, The: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1953: 1

13 March 1953

Congo (Democratic Republic of the): Edouard,lac: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Ishango River: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Kasaji: Fisher: RMCA: 2 [2 - **2** - **4**].

Total Specimens for 13 March 1953: 4

15 March 1953

South Africa: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1953: 1

16 March 1953

Congo (Democratic Republic of the): Katanda: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Egypt: Gebel el Ahmar: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Jebel Ahmar: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **2**].

Total Specimens for 16 March 1953: 3

17 March 1953

Congo (Democratic Republic of the): Ishango River: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1953: 1

18 March 1953

Congo (Democratic Republic of the): Kasindi-port: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1953: 1

21 March 1953

Congo (Democratic Republic of the): Ngokai: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Tanzania: Banagi: Brooks, A.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 March 1953: 2

23 March 1953

Tanzania: Tenguru: Swynnerton, G.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1953: 1

25 March 1953

Cameroon: Mintjaminyumin: Perret, J.L.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1953: 1

26 March 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Kenya: Thika: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1953: 2

29 March 1953

Congo (Democratic Republic of the): Mahagi Port: Hecq, Célestin: BMNH: 1, RMCA: 1 [2 - **2** - **2**].

Total Specimens for 29 March 1953: 2

1 April 1953

Egypt: Gizeh: ?: Collector Unknown: OMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1953: 2

2 April 1953

Sudan: Khartoum: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 April 1953: 2

3 April 1953

Sudan: Khartoum: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 April 1953: 2

6 April 1953

Egypt: Isna: Hoogstraal, Harry H.: FMNH: 11, USNM: 3 [14 - **14** - **14**].
Sudan: Barakat: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1953: 15

7 April 1953

Sudan: Sennar: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1953: 1

10 April 1953

Sudan: Khartoum: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].
Tanzania: Tenguru: Brooks, A.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1953: 5

18 April 1953

Somalia: Hargeisa: Laurie, J.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1953: 1

21 April 1953

Congo (Democratic Republic of the): Vitshumbi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1953: 1

24 April 1953

Cameroon: Foulassi: Perret, J.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1953: 1

25 April 1953

South Africa: Nelspruit: Zumpt, Frits Konrad Ernst: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1953: 1

27 April 1953

Kenya: Nairobi: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 27 April 1953: 1

28 April 1953

Egypt: Wadi el Natroun: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 28 April 1953: 2

1 May 1953

Congo (Democratic Republic of the): Camp Putnam: Rahm, Uwe: RMCA: 1 [1 - **1**] - Kivu, lake: KEA-Mission, The: RBINS: 1 [1 - **1** - **2**].
Egypt: Gizeh: Kyongo, Robert N.: OMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1953: 4

2 May 1953

Kenya: southeast slopes: Williams, John George: HZM: 5 [5 - **5** - **5**].

Total Specimens for 2 May 1953: 5

6 May 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 10 [10 - **10** - **10**].
Egypt: Burgh-El-Arab: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4** - **4**].

Total Specimens for 6 May 1953: 14

9 May 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 9 [9 - **9**] - Giza Pyramids: Hoogstraal, Harry H.: FMNH: 10 [10 - **10** - **19**].

Total Specimens for 9 May 1953: 19

11 May 1953

Congo (Democratic Republic of the): Rutshuru: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1953: 1

13 May 1953

Côte d'Ivoire: Duékoué: Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1953: 1

19 May 1953

Congo (Democratic Republic of the): Nioka: Hecq, Célestin: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1953: 1

21 May 1953

Egypt: Sinai, Wadi El Feiran: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1953: 1

22 May 1953

Egypt: El-'Aiyat: Hoogstraal, Harry H.: FMNH: 15 [15 - **15**] - Saqqara: Hoogstraal, Harry H.: FMNH: 1, USNM: 16 [17 - **17** - **32**].

Total Specimens for 22 May 1953: 32

27 May 1953

Egypt: El-'Aiyat: Hoogstraal, Harry H.: FMNH: 19 [19 - **19**] - Saqqara: Hoogstraal, Harry H.: USNM: 6 [6 - **6** - **25**].

Total Specimens for 27 May 1953: 25

1 June 1953

Angola: Dundo: de Barros Machado, A.: BMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 1 June 1953: 12

4 June 1953

Tanzania: Liwale: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1953: 1

9 June 1953

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 June 1953: 1

10 June 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - Giza Pyramids: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **7**].
South Sudan: Lokomanyang [=Lokomarinyang] Marsh: Harrison, David Lakin: BMNH: 1 [1 - **1**] - Lokomarinyang Marsh: Williams, John George: BMNH: 1 [1 - **1**] - Lokomorinyang: Williams, John George: HZM: 1 [1 - **1** - **3**].

Total Specimens for 10 June 1953: 10

11 June 1953

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 16 [16 - **16** - **16**].

Total Specimens for 11 June 1953: 16

12 June 1953

Egypt: Giza Pyramids: Hoogstraal, Harry H.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 12 June 1953: 6

15 June 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: ?: Collector Unknown: OMNH: 1 [1 - **1**] - Giza Pyramids: ?: Collector Unknown: CAS: 3 [3 - **3**] - Gizeh: ?: Collector Unknown: OMNH: 1 [1 - **1** - **5**].

Total Specimens for 15 June 1953: 6

18 June 1953

Madagascar: Betroka: Koch, K.L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1953: 1

20 June 1953

Tanzania: Tenguru: Brooks, A.C.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 June 1953: 2

24 June 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 4, USNM: 7 [11 - **11** - **11**].

Total Specimens for 24 June 1953: 11

26 June 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Yalokele: Dupuis, L.: RMCA: 2 [2 - **2** - **3**].
Côte d'Ivoire: Adiopodoumé: Aellen, Villy: MHNG: 1 [1 - **1** - **1**].
Egypt: Al Jiza governorate: Hoogstraal, Harry H.: FLMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1953: 5

27 June 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 4 [4 - **4** - **4**].
Rwanda: Bugarura island: ?: Collector Unknown: RBINS: 6 [6 - **6** - **6**].

Total Specimens for 27 June 1953: 10

5 July 1953

Somalia: Mijertein province: Scortecci, G.: MSNM: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1953: 1

7 July 1953

Egypt: Sinnuris: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 7 July 1953: 2

8 July 1953

Congo (Democratic Republic of the): Makisabu: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1953: 1

9 July 1953

Tanzania: Noamania: Ionides, Constantine J.P.: BMNH: 1 [1 - **1**] - Zinga: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 9 July 1953: 2

11 July 1953

Congo (Democratic Republic of the): Kalenda [Kasai]: Bouillon, A.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1953: 1

13 July 1953

Tanzania: Southern province: Ionides, Constantine J.P.: BMNH: 2 [2 - **2**] - Zinga: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **3**].

Total Specimens for 13 July 1953: 3

14 July 1953

Congo (Democratic Republic of the): Kakanda Mutaka: petit Seminaire de St. Francois de Sales: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 July 1953: 2

15 July 1953

Côte d'Ivoire: Adiopodoumé: Aellen, Villy: MHNG: 1 [1 - **1** - **1**].
Madagascar: Antanandava: Koch, K.L.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 15 July 1953: 3

16 July 1953

Côte d'Ivoire: Banco, forêt de: Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1953: 1

20 July 1953

Côte d'Ivoire: Adiopodoumé: Aellen, Villy: MHNG: 2 [2 - **2** - **2**].
Tanzania: Tengeru: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1953: 3

21 July 1953

Somalia: Candala: Scortecci, G.: MSNM: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1953: 1

24 July 1953

Côte d'Ivoire: Cosrou: Aellen, Villy: MHNG: 2 [2 - **2** - **2**].
Zambia: Sakeji Stream, headwaters: Ansell, P.D.H.: AMS: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1953: 3

4 August 1953

Congo (Democratic Republic of the): Zeya: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1953: 1

10 August 1953

Kenya: Kilifi: Williams, A.E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1953: 1

14 August 1953

Côte d'Ivoire: Adiopodoumé: Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1953: 1

15 August 1953

Congo (Democratic Republic of the): Yalokele: Dupuis, L.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 August 1953: 2

17 August 1953

Congo (Democratic Republic of the): Biyonga: Dupuis, L.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1953: 1

18 August 1953

Côte d'Ivoire: Adiopodoumé: Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1953: 1

19 August 1953

Côte d'Ivoire: Cosrou: Aellen, Villy: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 19 August 1953: 2

20 August 1953

Côte d'Ivoire: Adiopodoumé: Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1953: 1

24 August 1953

Congo (Democratic Republic of the): Vieux Beni: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1953: 1

25 August 1953

South Sudan: Yambio: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 August 1953: 2

26 August 1953

Congo (Democratic Republic of the): Kilinga: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1953: 1

27 August 1953

Congo (Democratic Republic of the): Murambi: de Witte, Gaston-François: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 27 August 1953: 6

28 August 1953

Congo (Democratic Republic of the): Yalokele: Dupuis, L.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1953: 1

30 August 1953

Congo (Democratic Republic of the): Mount Wago: Fain, Alexandre: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1953: 1

3 September 1953

Côte d'Ivoire: Adiopodoumé: Rahm, Uwe; Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1953: 1

7 September 1953

Congo (Democratic Republic of the): Kanzarue river: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 September 1953: 1

8 September 1953

Côte d'Ivoire: Asakra: Rahm, Uwe; Aellen, Villy: MHNG: 3 [3 - **3** - **3**].

Total Specimens for 8 September 1953: 3

15 September 1953

Congo (Democratic Republic of the): Bunyenzi: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 September 1953: 2

16 September 1953

Congo (Democratic Republic of the): Kanyatsi: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Rutshuru: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 16 September 1953: 3

17 September 1953

Congo (Democratic Republic of the): Bunyenzi: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1953: 1

18 September 1953

Congo (Democratic Republic of the): Kadehe: de Witte, Gaston-François: RMCA: 3 [3 - **3**] - Kantundwe: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 18 September 1953: 4

21 September 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Murambi: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 21 September 1953: 3

22 September 1953

Congo (Democratic Republic of the): Kasindi-port: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Rusenyi river: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 22 September 1953: 3

23 September 1953

Congo (Democratic Republic of the): Museya: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1953: 1

24 September 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 3 [3 - **3** - **3**].

Total Specimens for 24 September 1953: 3

26 September 1953

Congo (Democratic Republic of the): Kinawa passage: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Ngeze Kidoko: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].
Kenya: Ferguson's Gulf: Owre, Oscar T.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1953: 3

27 September 1953

Congo (Democratic Republic of the): Karambi: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1953: 1

30 September 1953

Congo (Democratic Republic of the): Murambi: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 30 September 1953: 2

1 October 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1953: 1

5 October 1953

Kenya: Lodwar: Williams, John George: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 October 1953: 1

8 October 1953

Côte d'Ivoire: Adiopodoumé: Rahm, Uwe: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1953: 1

9 October 1953

Congo (Democratic Republic of the): Lomera: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Lulimba: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].
South Sudan: Mupoi cave: Owen, J.S.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 9 October 1953: 8

13 October 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 6, USNM: 1 [7 - **7** - **7**].

Total Specimens for 13 October 1953: 7

15 October 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 15 October 1953: 9

16 October 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 October 1953: 1

20 October 1953

Congo (Democratic Republic of the): Bushanganya: De Schrijver: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1953: 1

22 October 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 22 October 1953: 2

25 October 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 25 October 1953: 2

27 October 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 3, USNM: 4 [7 - **7** - **7**].

Total Specimens for 27 October 1953: 7

28 October 1953

Congo (Democratic Republic of the): Rodahira: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1953: 1

30 October 1953

Namibia: Twee Koppies: Hoesch, W.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1953: 1

1 November 1953

Congo (Democratic Republic of the): Nyabikere: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 November 1953: 2

4 November 1953

Angola: Dundo: ?: Collector Unknown: MDL: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1953: 1

5 November 1953

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].
Tanzania: Mbarangandu: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1953: 3

6 November 1953

South Africa: Stokenstrom: Arends, Nicholas P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1953: 1

9 November 1953

Egypt: Saqqara: Hoogstraal, Harry H.: FMNH: 6, USNM: 6 [12 - **12** - **12**].
Namibia: Okadjessoambo: Hoesch, W.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1953: 13

12 November 1953

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 12 November 1953: 6

19 November 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Moba: Bomans, H.: BMNH: 1, RMCA: 1 [2 - **2** - **3**].

Total Specimens for 19 November 1953: 3

20 November 1953

Congo (Democratic Republic of the): Kasenyi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1953: 1

21 November 1953

Congo (Democratic Republic of the): Sabe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1953: 1

23 November 1953

Congo (Democratic Republic of the): Kakungu: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Kasenyi: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 23 November 1953: 2

26 November 1953

Congo (Democratic Republic of the): Moba: Bomans, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1953: 1

27 November 1953

Congo (Democratic Republic of the): Kyavinionge: KEA-Mission, The: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1953: 1

30 November 1953

Cameroon: Foulassi: Perret, J.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1953: 1

1 December 1953

Congo (Democratic Republic of the): Nagero: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1953: 1

3 December 1953

Cameroon: Foulassi: Perret, J.L.: MHNG: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Bugara: de Witte, Gaston-François: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 3 December 1953: 12

5 December 1953

Congo (Democratic Republic of the): Goma: KEA-Mission, The: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1953: 1

9 December 1953

Congo (Democratic Republic of the): Bunyangura: de Witte, Gaston-François: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 9 December 1953: 11

10 December 1953

Cameroon: Ngam: Perret, J.L.: MHNG: 1 [1 - **1** - **1**].
South Africa: Insuzi river: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 December 1953: 3

11 December 1953

Congo (Democratic Republic of the): Mutsora: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
South Africa: Insuzi river: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 5 [5 - **5** - **5**].

Total Specimens for 11 December 1953: 6

12 December 1953

Congo (Democratic Republic of the): Baudouinville: Bomans, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1953: 1

15 December 1953

Egypt: Giza Pyramids: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4** - **4**].

Total Specimens for 15 December 1953: 4

16 December 1953

Egypt: Abu Sir: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 16 December 1953: 2

19 December 1953

Tanzania: Tandamanga: Ionides, Constantine J.P.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 19 December 1953: 3

30 December 1953

Somalia: Berbera, near: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1953: 1

31 December 1953

Congo (Democratic Republic of the): Nagero: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1953: 1

1 January 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - Duque de Braganca, 25 km N, 15 km E: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Luhanda: Heinrich, Gerd H.: FMNH: 13 [13 - **13**] - N'zeto: Heinrich, Gerd H.: FMNH: 4 [4 - **4** - **19**].
Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 37 [37 - **37** - **37**].
Madagascar: Unknown locality: Vacha, S.D.: AMNH: 2 [2 - **2** - **2**].
Rwanda: Astrida: Fain, Alexandre: RMCA: 7 [7 - **7**] - Nyumba cave: Fain, Alexandre: MHNG: 2 [2 - **2**] - Rwamagana, NE: Fain, Alexandre: MHNG: 1 [1 - **1** - **10**].
South Sudan: Wau, 100 mi N: Owen, J.S.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 1 January 1954: 74

2 January 1954

Congo (Democratic Republic of the): Dikuluwe cave: de Caters, Th.: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 2 January 1954: 12

11 January 1954

Tanzania: Namumbulu: Ionides, Constantine J.P.: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 11 January 1954: 4

12 January 1954

Egypt: Cairo Citadel: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1954: 1

13 January 1954

Tanzania: Likawage: Ionides, Constantine J.P.: BMNH: 6 [6 - **6** - **6**].

Total Specimens for 13 January 1954: 6

15 January 1954

Côte d'Ivoire: Adiopodoumé: Rahm, Uwe; Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1954: 1

16 January 1954

Congo (Democratic Republic of the): Kikango: Bomans, H.: RMCA: 1 [1 - **1** - **1**].
Tanzania: Mangangachi: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1954: 2

20 January 1954

Congo (Democratic Republic of the): Rutshuru: de Witte, Gaston-François: RMCA: 9 [9 - **9** - **9**].
Tanzania: Songomano: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1954: 10

26 January 1954

Angola: Nóqui: Heinrich, Gerd H.: FMNH: 12 [12 - **12** - **12**].

Congo (Democratic Republic of the): Edouard,lac: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 26 January 1954: 14

29 January 1954

Congo (Democratic Republic of the): Moba: Bomans, H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1954: 1

1 February 1954

Angola: N'zeto: Heinrich, Gerd H.: FMNH: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 2 [2 - **2**] - Nyabikere: de Witte, Gaston-François: RMCA: 10 [10 - **10** - **12**].
Tanzania: Nakibou: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1954: 16

3 February 1954

Congo (Democratic Republic of the): Bunyenzi: de Witte, Gaston-François: RMCA: 16 [16 - **16** - **16**].
Tanzania: Namithu Kilwa: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1954: 17

6 February 1954

Congo (Democratic Republic of the): Kakanda Mutaka: de Caters, Th.: RMCA: 2 [2 - **2**] - Moba: Bomans, H.: RMCA: 1 [1 - **1** - **3**].
Tanzania: Liwale: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1954: 4

9 February 1954

Congo (Democratic Republic of the): Rutshuru: de Witte, Gaston-François: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 9 February 1954: 6

10 February 1954

Congo (Democratic Republic of the): Nyakaliba: de Witte, Gaston-François: RBINS: 1 [1 - **1**] - Nyakariba river: de Witte, Gaston-François: RMCA: 4 [4 - **4** - **5**].

Total Specimens for 10 February 1954: 5

12 February 1954

Tanzania: Liwale T.T.: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1954: 1

13 February 1954

Congo (Democratic Republic of the): Mutsora: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1954: 1

15 February 1954

Congo (Democratic Republic of the): Kasebaya river: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Namibia: Kriess/white Rand: Hoesch, W.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1954: 2

17 February 1954

Congo (Democratic Republic of the): Kasenye, 10 km N: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1954: 1

18 February 1954

Congo (Democratic Republic of the): Busholinka river: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 18 February 1954: 2

19 February 1954

Congo (Democratic Republic of the): Kasenyi: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1954: 1

23 February 1954

Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 23 February 1954: 3

24 February 1954

Egypt: Bir Abraq: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1954: 1

25 February 1954

Congo (Democratic Republic of the): Kasenyi: KEA-Mission, The: RBINS: 1 [1 - **1** - **1**].
Egypt: Bir Abraq: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 25 February 1954: 4

26 February 1954

Congo (Democratic Republic of the): Moba: Bomans, H.: RMCA: 1 [1 - **1** - **1**].
Egypt: Bir Abraq: Hoogstraal, Harry H.: FMNH: 4, USNM: 1 [5 - **5** - **5**].

Total Specimens for 26 February 1954: 6

1 March 1954

Congo (Democratic Republic of the): Loondo Mugunga: de Loneux, Gonze: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1954: 1

2 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1954: 1

3 March 1954

Congo (Democratic Republic of the): Kasenye, 10 km N: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1954: 1

5 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 5 March 1954: 4

6 March 1954

Congo (Democratic Republic of the): Kasenye, 10 km N: Expédition Atlantique Sud 1955, l': RBINS: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1954: 1

8 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1954: 1

9 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1954: 1

10 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Bokuma: Lootens, P.: RMCA: 1 [1 - **1**] - Kasenye, 10 km N: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Rusenyi river: de Witte, Gaston-François: RMCA: 7 [7 - **7** - **9**].

Total Specimens for 10 March 1954: 10

11 March 1954

Congo (Democratic Republic of the): Nagero: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1954: 1

12 March 1954

Cameroon: Foulassi: Perret, J.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1954: 1

13 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1954: 1

14 March 1954

Angola: Canzele: ?: Collector Unknown: FMNH: 2 [2]; Heinrich, Gerd H.: FMNH: 4 [4 - **6** - **6**].

Total Specimens for 14 March 1954: 6

15 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Kilinga: de Witte, Gaston-François: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 15 March 1954: 5

17 March 1954

Congo (Democratic Republic of the): Kasenye, 10 km N: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1954: 1

19 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kantundwe: de Witte, Gaston-François: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 19 March 1954: 8

20 March 1954

Congo (Democratic Republic of the): Kasenye, 10 km N: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1954: 1

22 March 1954

Congo (Democratic Republic of the): Geramihasha: de Witte, Gaston-François: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 22 March 1954: 3

23 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 March 1954: 2

25 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Sudan: Khartoum: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1954: 2

27 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Rutshuru: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1954: 2

28 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Liwale T.T.: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1954: 2

29 March 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 March 1954: 2

30 March 1954

Congo (Democratic Republic of the): Kantundwe: de Witte, Gaston-François: RMCA: 3 [3 - **3**] - Kasenye, 10 km N: ?: Collector Unknown: RBINS: 2 [2 - **2** - **5**].

Total Specimens for 30 March 1954: 5

1 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Sudan: Jebel el Azraq: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1954: 2

3 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1954: 1

4 April 1954

Angola: Jau: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1954: 1

5 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): May Ya Moto: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1954: 4

6 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1954: 1

7 April 1954

Angola: Canzele: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Fuko: de Witte, Gaston-François: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 7 April 1954: 4

8 April 1954

Angola: Canzele: ?: Collector Unknown: FMNH: 1 [1]; Heinrich, Gerd H.: FMNH: 3 [3 - **4** - **4**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4** - **4**].
South Sudan: Mbarianga Cave: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1954: 9

9 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 11 [11 - **11** - **11**].
Congo (Democratic Republic of the): Nyabitembe river: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
South Africa: Unknown locality: ?: Collector Unknown: TM: 1 [1 - **1**] - Ndumu Police Station: ?: Collector Unknown: NM: 1 [1 - **1** - **2**].

Total Specimens for 9 April 1954: 14

10 April 1954

Angola: Canzele: ?: Collector Unknown: FMNH: 1 [1]; Heinrich, Gerd H.: FMNH: 5 [5 - **6** - **6**].
Tanzania: Liwale: Ionides, Constantine J.P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1954: 7

11 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 11 April 1954: 3

12 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 12 April 1954: 3

13 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 13 April 1954: 6

14 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 2 [2 - **2** - **2**].
Guinea: Grotte Garrigues: Villiers, A.: IFAN: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1954: 3

15 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 6 [6 - **6** - **6**].
Ghana: Akeniem: Booth, Angus H.: BMNH: 1 [1 - **1** - **1**].
Sudan: Jebel el Azraq: ?: Collector Unknown: FMNH: 2 [2]; Owen, J.S.: FMNH: 3 [3 - **5** - **5**].

Total Specimens for 15 April 1954: 12

16 April 1954

Guinea: Grotte du Marché: Villiers, A.: MHNG: 1 [1 - **1** - **1**].
South Sudan: Mupoi cave: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].
Tanzania: Rukwa: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1954: 6

17 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Boangi: Verbuyt, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 17 April 1954: 3

19 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1954: 1

21 April 1954

Congo (Democratic Republic of the): Kakanda cave: de Caters, Th.: RMCA: 43 [43 - **43** - **43**].

Total Specimens for 21 April 1954: 43

22 April 1954

Congo (Democratic Republic of the): Rutshuru: de Witte, Gaston-François: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 22 April 1954: 4

23 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Albertville-Moba: Bomans, H.: RMCA: 1 [1 - **1**] - Moba: Bomans, H.: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 23 April 1954: 4

24 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Zambia: Abercorn: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1954: 2

25 April 1954

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 3 [3 - **3** - **3**].
Morocco: Tata, near: Dorst, Jean Pierre: MNHN: 8 [8 - **8** - **8**].

Total Specimens for 25 April 1954: 11

26 April 1954

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Mto wa Mbu: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1954: 2

27 April 1954

Angola: Canzele: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 April 1954: 1

28 April 1954

Angola: Huila: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Sudan: Khartoum: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 April 1954: 4

29 April 1954

Cameroon: Buea: Eisentraut, Martin: SMNS: 3 [3 - **3** - **3**].

Total Specimens for 29 April 1954: 3

30 April 1954

Congo (Democratic Republic of the): Rumanura river: de Witte, Gaston-François: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 30 April 1954: 5

1 May 1954

Sudan: Khartoum: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Kilwa T.T.: Swynnerton, G.H.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1954: 3

3 May 1954

Congo (Democratic Republic of the): Geramihasha: de Witte, Gaston-François: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 3 May 1954: 4

4 May 1954

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 3, USNM: 5 [8 - **8** - **8**].

Total Specimens for 4 May 1954: 8

11 May 1954

Congo (Democratic Republic of the): Kyavinionge: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1954: 1

12 May 1954

Congo (Democratic Republic of the): Katanda: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].
Seychelles: Aldabra: Cherbonnier, Gustave: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1954: 4

13 May 1954

Congo (Democratic Republic of the): Kasindi: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Tanzania: Liwale: Ionides, Constantine J.P.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 May 1954: 3

18 May 1954

Namibia: Harisib: ?: Collector Unknown: TM: 1 [1 - **1**] - Nasib: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 18 May 1954: 2

20 May 1954

Congo (Democratic Republic of the): Kyavinionge: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 May 1954: 1

21 May 1954

Congo (Democratic Republic of the): Kyavinionge: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1954: 1

1 June 1954

Angola: Duque de Braganca, 25 km N, 15 km E: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Sudan: Khartoum: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 June 1954: 3

2 June 1954

South Sudan: Marangu cave: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 2 June 1954: 4

4 June 1954

Congo (Democratic Republic of the): Nagero: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1954: 1

10 June 1954

Congo (Democratic Republic of the): Kantundwe: de Witte, Gaston-François: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 10 June 1954: 7

14 June 1954

Cameroon: Foulassi: Perret, J.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1954: 1

17 June 1954

Angola: Luhanda: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1954: 1

18 June 1954

Angola: Luhanda: Heinrich, Gerd H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 June 1954: 2

20 June 1954

Angola: Luhanda: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1954: 1

21 June 1954

Sudan: Jebel el Azraq: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1954: 1

23 June 1954

Angola: Luhanda: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1954: 1

24 June 1954

Chad: Fort Lamy: : RBINS: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1954: 1

25 June 1954

Angola: Alto Chicapa: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1954: 1

28 June 1954

Congo (Democratic Republic of the): Geramihasha: de Witte, Gaston-François: RMCA: 4 [4 - **4**] - Yokamba Elongo: Stevenart: RMCA: 1 [1 - **1** - **5**].

Total Specimens for 28 June 1954: 5

1 July 1954

Congo (Democratic Republic of the): Kapolowe: De Smet: RMCA: 2 [2 - **2**] - Kasenga: De Smet: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 1 July 1954: 3

2 July 1954

Rwanda: Kiziguru: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1954: 1

3 July 1954

Congo (Democratic Republic of the): Ilimba: de Witte, Gaston-François: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 3 July 1954: 8

4 July 1954

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1954: 1

5 July 1954

Congo (Democratic Republic of the): Kantundwe: de Witte, Gaston-François: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 5 July 1954: 7

12 July 1954

Angola: Alto Chicapa: ?: Collector Unknown: MDL: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1954: 1

15 July 1954

Angola: Mucoso: Heinrich, Gerd H.: FMNH: 39 [39 - **39** - **39**].

Total Specimens for 15 July 1954: 39

16 July 1954

Congo (Democratic Republic of the): Rodahira: de Witte, Gaston-François: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 16 July 1954: 6

17 July 1954

Kenya: Ngombeni [caves]: Kulzer, Edwin: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1954: 1

19 July 1954

Ghana: Akeniem: Booth, Angus H.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1954: 1

20 July 1954

Angola: Gabela, 30 km S: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1954: 1

21 July 1954

Congo (Democratic Republic of the): Ndama: de Wilde, C.F.: RBINS: 1 [1 - **1** - **1**].
Seychelles: La Dique Island: Wiles, Gary J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1954: 2

22 July 1954

Congo (Democratic Republic of the): Katana: Chapin, James Paul: AMNH: 3 [3 - **3**] - Nagero: ?: Collector Unknown: RBINS: 1 [1 - **1** - **4**].

Total Specimens for 22 July 1954: 4

23 July 1954

Angola: Gabela, 30 km S: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1954: 1

27 July 1954

Angola: Gabela, 30 km S: ?: Collector Unknown: FMNH: 1 [1]; Heinrich, Gerd H.: FMNH: 2 [2 - **3** - **3**].

Total Specimens for 27 July 1954: 3

29 July 1954

Angola: Gabela, 30 km S: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Rwanda: Astrida: Fain, Alexandre: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1954: 2

31 July 1954

Rwanda: Kiziguru: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1954: 1

1 August 1954

Congo (Democratic Republic of the): Lwiro Katana: Laurent: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1954: 1

2 August 1954

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Mutsora: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].
Rwanda: Kiziguru: Fain, Alexandre: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1954: 3

3 August 1954

Congo (Democratic Republic of the): Kitubulushi: De Smet: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 3 August 1954: 4

4 August 1954

Congo (Democratic Republic of the): Mutsora: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1954: 1

6 August 1954

Rwanda: Astrida: Fain, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1954: 2

7 August 1954

Rwanda: Astrida: Fain, Alexandre: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 7 August 1954: 3

12 August 1954

Congo (Democratic Republic of the): Kipushi: De Smet: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1954: 1

15 August 1954

Kenya: Ngong: Harper, J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1954: 1

18 August 1954

Congo (Democratic Republic of the): Nyabikere: de Witte, Gaston-François: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 18 August 1954: 14

19 August 1954

Tanzania: Kidugallo: Von Nagy: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1954: 1

20 August 1954

Congo (Democratic Republic of the): Miki: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Kitale: Harper, J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1954: 2

22 August 1954

Tanzania: Kidugallo: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1954: 1

23 August 1954

Egypt: Saqqara: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 23 August 1954: 2

24 August 1954

Angola: Monte Soque: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1954: 1

25 August 1954

Angola: Monte Soque: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kamp U.M.H.K.: De Smet: RMCA: 1 [1 - **1** - **1**].
Tanzania: Barawa: Lumsden, W.H.R.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 25 August 1954: 5

26 August 1954

Angola: Monte Soque: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1954: 1

27 August 1954

Angola: Monte Soque: Heinrich, Gerd H.: FMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Kamp U.M.H.K.: De Smet: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 27 August 1954: 4

28 August 1954

Angola: Monte Soque: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Congo (Democratic Republic of the): Kamp U.M.H.K.: De Smet: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1954: 2

30 August 1954

Angola: Monte Soque: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Rutshuru: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 30 August 1954: 3

31 August 1954

Angola: Monte Soque: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Tshibambo: De Smet: RMCA: 7 [7 - **7** - **7**].
Kenya: Nairobi: Fowler, J.P.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1954: 9

1 September 1954

Congo (Democratic Republic of the): Boma: Cassart: RMCA: 1 [1 - **1**] - Mutsora: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 1 September 1954: 2

2 September 1954

Congo (Democratic Republic of the): Elisabethville: De Smet: RMCA: 1 [1 - **1**] - Kamp U.M.H.K.: De Smet: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 2 September 1954: 2

3 September 1954

Angola: Monte Soque: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1954: 1

17 September 1954

Congo (Democratic Republic of the): Kantundwe: de Witte, Gaston-François: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 17 September 1954: 3

19 September 1954

Rwanda: Nyarutovu: Fain, Alexandre: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 19 September 1954: 1

20 September 1954

Rwanda: Nyarutovu: Fain, Alexandre: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1954: 1

23 September 1954

Congo (Democratic Republic of the): Uvira: Leleup, Narcisse: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1954: 1

28 September 1954

Côte d'Ivoire: Tiegba [5 locs]: Rahm, Uwe; Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1954: 1

3 October 1954

Angola: Moco, mount: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1954: 1

9 October 1954

Angola: Moco, mount: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1954: 1

10 October 1954

Angola: Moco, mount: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1954: 1

15 October 1954

Congo (Democratic Republic of the): Kilinga: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 October 1954: 1

17 October 1954

Sierra Leone: Mongberi: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1954: 1

23 October 1954

Congo (Democratic Republic of the): Kambukabakali: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 23 October 1954: 2

24 October 1954

Congo (Democratic Republic of the): Mwanakusu cave: Leleup, Narcisse: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 24 October 1954: 6

25 October 1954

Rwanda: Astrida: Fain, Alexandre: MHNG: 2, RMCA: 1 [3 - **3** - **3**].

Total Specimens for 25 October 1954: 3

26 October 1954

Rwanda: Astrida: Fain, Alexandre: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 26 October 1954: 3

27 October 1954

Congo (Democratic Republic of the): Kambukabakali: de Witte, Gaston-François: RMCA: 3 [3 - **3**] - Lomera: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Musenge village: Leleup, Narcisse: RMCA: 4 [4 - **4** - **8**].
Rwanda: Astrida: Fain, Alexandre: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1954: 9

28 October 1954

Rwanda: Astrida: Fain, Alexandre: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 28 October 1954: 4

29 October 1954

Congo (Democratic Republic of the): Kambukabakali: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 29 October 1954: 2

3 November 1954

Congo (Democratic Republic of the): Kantundwe: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 3 November 1954: 2

4 November 1954

Congo (Democratic Republic of the): Kambukabakali: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1954: 1

5 November 1954

Congo (Democratic Republic of the): Kambukabakali: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 5 November 1954: 2

8 November 1954

Congo (Democratic Republic of the): Mutwanga: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1954: 1

9 November 1954

Congo (Democratic Republic of the): Mabali: Chapin, James Paul: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 9 November 1954: 3

10 November 1954

Congo (Democratic Republic of the): Liki: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 10 November 1954: 2

11 November 1954

Congo (Democratic Republic of the): Edouard,lac: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1954: 1

15 November 1954

Congo (Democratic Republic of the): Lake Tumba: Chapin, James Paul: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 15 November 1954: 3

18 November 1954

Congo (Democratic Republic of the): Liki: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 18 November 1954: 2

22 November 1954

Congo (Democratic Republic of the): Bunyangura: de Witte, Gaston-François: RMCA: 6 [6 - **6**] - Kasenye, 10 km N: ?: Collector Unknown: RBINS: 13 [13 - **13** - **19**].

Total Specimens for 22 November 1954: 19

23 November 1954

Congo (Democratic Republic of the): Kasenye, 10 km N: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Losho: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 23 November 1954: 3

24 November 1954

Congo (Democratic Republic of the): Kiavikire: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1954: 1

26 November 1954

Angola: Huila: Heinrich, Gerd H.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 26 November 1954: 4

30 November 1954

Angola: Huila: Heinrich, Gerd H.: FMNH: 13 [13 - **13** - **13**].

Total Specimens for 30 November 1954: 13

1 December 1954

Congo (Democratic Republic of the): Elisabethville: De Smet: RMCA: 2 [2 - **2** - **2**].
Kenya: Vasco de Gama Point: Fowler, J.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1954: 3

2 December 1954

Angola: Huila: Heinrich, Gerd H.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 2 December 1954: 9

3 December 1954

Congo (Democratic Republic of the): Kishero: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - Rumanura river: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **4**].

Total Specimens for 3 December 1954: 4

4 December 1954

Angola: Huila: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - Jau: Heinrich, Gerd H.: FMNH: 51 [51 - **51** - **52**].

Total Specimens for 4 December 1954: 52

6 December 1954

Congo (Democratic Republic of the): Marumbi: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1954: 1

11 December 1954

Congo (Democratic Republic of the): Ishango River: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1954: 1

13 December 1954

Rwanda: Colline Musha: Fain, Alexandre: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1954: 1

18 December 1954

Kenya: Malindi: Fowler, J.P.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1954: 1

24 December 1954

Congo (Democratic Republic of the): Kasenye, 10 km N: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Mwanakusu cave: Leleup, Narcisse: RMCA: 6 [6 - **6** - **8**].

Total Specimens for 24 December 1954: 8

28 December 1954

Angola: Huila: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1954: 1

29 December 1954

Angola: Huila: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1954: 1

30 December 1954

Angola: Huila: Heinrich, Gerd H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 30 December 1954: 2

31 December 1954

Angola: Huila: Heinrich, Gerd H.: FMNH: 8 [8 - **8** - **8**].
Kenya: Kitale: Pickford: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1954: 9

1 January 1955

Cameroon: Ebolowa: Perret, J.L.: HNHM: 2 [2 - **2** - **2**].
Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Lubondai-Tshimbulu: Marks, S.: RMCA: 1 [1 - **1** - **1**].
Egypt: Cairo: Kulzer, Edwin: SMF: 4 [4 - **4**] - Cairo, 20 km S: Kulzer, Edwin: SMF: 7 [7 - **7** - **11**].
Namibia: Friedrichswald: Hoesch, W.: FMNH: 9 [9 - **9** - **9**].
Rwanda: Rukara: Fain, Alexandre: RMCA: 5 [5 - **5** - **5**].
Tunisia: Sidi Bou Zid valley: Brosset, André: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1955: 30

2 January 1955

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 2 January 1955: 2

3 January 1955

Zambia: Mazabuka Boma: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1955: 1

5 January 1955

Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1955: 1

6 January 1955

Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1955: 1

7 January 1955

Congo (Democratic Republic of the): Mutsora: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **1**].
Tanzania: Tengeru: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 7 January 1955: 4

8 January 1955

Tanzania: Engaruka: Swynnerton, G.H.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1955: 1

11 January 1955

Congo (Democratic Republic of the): Bunyangura: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1955: 1

17 January 1955

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1955: 1

23 January 1955

Angola: Dondo: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1955: 1

26 January 1955

Congo (Democratic Republic of the): Kasuo cave Kabwe ka: Bergmans, Wim; Collard: RMCA: 3 [3 - **3**] - Kibwe Lya Mikako cave: Bergmans, Wim; Collard: RMCA: 6 [6 - **6** - **9**].

Total Specimens for 26 January 1955: 9

31 January 1955

Congo (Democratic Republic of the): Bauelendu: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1955: 1

1 February 1955

Burundi: Rumonge: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Boma: Mesmaekers, Is.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 February 1955: 3

2 February 1955

Congo (Democratic Republic of the): Bauelendu: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - Mutsora: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 2 February 1955: 2

4 February 1955

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 4 February 1955: 2

7 February 1955

Congo (Democratic Republic of the): Nyabikere: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 7 February 1955: 2

18 February 1955

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1955: 1

19 February 1955

Congo (Democratic Republic of the): Kasenyi: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1955: 1

22 February 1955

Malawi: Lilongwe: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1955: 1

1 March 1955

Congo (Democratic Republic of the): Uvira: Leleup, Narcisse: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 1 March 1955: 5

2 March 1955

Congo (Democratic Republic of the): Uvira: Leleup, Narcisse: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 2 March 1955: 7

3 March 1955

Congo (Democratic Republic of the): Uvira: Leleup, Narcisse: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 3 March 1955: 4

17 March 1955

South Africa: Bishopstowe cave: ?: Collector Unknown: TM: 4 [4]; Meester, Jurgens Anthonie Janse [=Waldo]: TM: 6 [6 - **10**] - Durban: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **11**].

Total Specimens for 17 March 1955: 11

1 April 1955

Congo (Democratic Republic of the): Uvira: Leleup, Narcisse: RMCA: 1 [1 - **1** - **1**].
Rwanda: Nyakibanda: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1955: 2

2 April 1955

Angola: Canzele: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1955: 1

20 April 1955

Congo (Democratic Republic of the): Lwiro: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1955: 1

21 April 1955

Congo (Democratic Republic of the): Kakanda cave: de Caters, Th.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 21 April 1955: 6

1 May 1955

Rwanda: Astrida: Fain, Alexandre: MHNG: 2 [2 - **2**] - Colline Musha: Fain, Alexandre: MHNG: 1 [1 - **1**] - Musha: Fain, Alexandre: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 1 May 1955: 4

4 May 1955

Congo (Democratic Republic of the): Mount Hoyo caves: Schmitt, Waldo LaSalle; Baker, E.: USNM: 18 [18]; Smith, W.; Baker, E.: USNM: 4 [4 - **22** - **22**].

Total Specimens for 4 May 1955: 22

6 May 1955

Congo (Democratic Republic of the): Lwiro: Schmitt, Waldo LaSalle; Baker, E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1955: 1

10 May 1955

Kenya: Kiega Hill: Dyson, W.G.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1955: 1

16 May 1955

Congo (Democratic Republic of the): Lwiro: Schmitt, Waldo LaSalle: USNM: 2 [2]; Schmitt, Waldo LaSalle; Baker, E.: USNM: 6 [6 - **8**] - Mai-ya-Moto: Chapin, James Paul: AMNH: 2 [2 - **2** - **10**].

Total Specimens for 16 May 1955: 10

18 May 1955

Congo (Democratic Republic of the): Madimao: Lips, M.: RMCA: 6 [6 - **6** - **6**].
Rwanda: Nyarutovu: Fain, Alexandre: MHNG: 1, RMCA: 1 [2 - **2** - **2**].

Total Specimens for 18 May 1955: 8

25 May 1955

Congo (Democratic Republic of the): Uvira: Schmitt, Waldo LaSalle; Baker, E.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 25 May 1955: 2

27 May 1955

Congo (Democratic Republic of the): Rutshuru: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 5, USNM: 5 [10 - **10** - **10**].

Total Specimens for 27 May 1955: 11

29 May 1955

Congo (Democratic Republic of the): Djeka: Roiseux: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 29 May 1955: 4

3 June 1955

Congo (Democratic Republic of the): Ikela: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1955: 1

9 June 1955

Congo (Democratic Republic of the): Kahama: de Witte, Gaston-François: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 9 June 1955: 6

13 June 1955

Congo (Democratic Republic of the): Kwama Kwama, cave: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 13 June 1955: 2

20 June 1955

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 20 June 1955: 6

1 July 1955

Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1955: 2

4 July 1955

Sudan: Khartoum: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1955: 1

6 July 1955

Kenya: Hoey's bridge: Fowler, J.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1955: 1

12 July 1955

Congo (Democratic Republic of the): Tsebahu: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1955: 1

13 July 1955

Congo (Democratic Republic of the): Kabambi: de Witte, Gaston-François: RMCA: 3 [3 - **3** - **3**].
Tanzania: Kafukola: Robertson, I.A.D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1955: 4

16 July 1955

Congo (Democratic Republic of the): Saga Saga, cave: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 16 July 1955: 2

17 July 1955

Tanzania: Kafukola: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1955: 1

25 July 1955

Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1955: 1

27 July 1955

Congo (Democratic Republic of the): Kabambi: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 27 July 1955: 2

1 August 1955

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1**] - Lwiro: Laarman, J.J.: RMNH: 1 [1 - **1** - **2**].

Total Specimens for 1 August 1955: 2

4 August 1955

Congo (Democratic Republic of the): Matupi Cave: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1955: 1

5 August 1955

Congo (Democratic Republic of the): Rodahira: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].
Tanzania: Kafukola: Robertson, I.A.D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1955: 3

10 August 1955

Rwanda: Nyarutovu: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1955: 1

13 August 1955

Tanzania: Kafukola: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1955: 1

14 August 1955

Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1955: 1

15 August 1955

Tanzania: Kafukola: Robertson, I.A.D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1955: 1

16 August 1955

Tanzania: Kafukola: Robertson, I.A.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1955: 1

20 August 1955

Tanzania: Kafukola: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1955: 1

23 August 1955

Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].
Tanzania: Kafukola: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1955: 2

24 August 1955

Congo (Democratic Republic of the): Kashwa: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 24 August 1955: 2

25 August 1955

Congo (Democratic Republic of the): Murambi: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 August 1955: 2

27 August 1955

Rwanda: Rukara: Fain, Alexandre: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 27 August 1955: 5

30 August 1955

Congo (Democratic Republic of the): Nyabikere: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1955: 1

3 September 1955

Congo (Democratic Republic of the): Karavia [mine]: Lips, M.: RMCA: 1 [1 - **1** - **1**].
Tanzania: Kafukola: Robertson, I.A.D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1955: 2

4 September 1955

Senegal: Badi: ?: Collector Unknown: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1955: 1

12 September 1955

Rwanda: Rukara: Fain, Alexandre: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 12 September 1955: 5

13 September 1955

Rwanda: Rukara: Fain, Alexandre: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 13 September 1955: 4

15 September 1955

Rwanda: Rukara: Fain, Alexandre: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 15 September 1955: 6

16 September 1955

Rwanda: Rukara: Fain, Alexandre: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 16 September 1955: 7

19 September 1955

Congo (Democratic Republic of the): Mount Hoyo caves: Chapin, James Paul: AMNH: 4 [4 - **4**] - Rutshuru: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **5**].

Total Specimens for 19 September 1955: 5

21 September 1955

Congo (Democratic Republic of the): Katanga: ?: Collector Unknown: SMF: 2 [2 - **2**] - Kiswishi [river]: Lips, M.: RMCA: 3 [3 - **3** - **5**].

Total Specimens for 21 September 1955: 5

22 September 1955

Congo (Democratic Republic of the): Kasenye, 10 km N: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1955: 1

23 September 1955

Congo (Democratic Republic of the): Kikanda: Lips, M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 23 September 1955: 2

26 September 1955

Egypt: Gizeh: Kulzer, Edwin: HZM: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1955: 1

27 September 1955

Congo (Democratic Republic of the): Shindaika: Lips, M.: RMCA: 4 [4 - **4**] - Tshisangwe: Lips, M.: RMCA: 3 [3 - **3** - **7**].

Total Specimens for 27 September 1955: 7

28 September 1955

Congo (Democratic Republic of the): Mahagi Port: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1955: 1

29 September 1955

Congo (Democratic Republic of the): Banana: Expédition Atlantique Sud 1955, l': RBINS: 2 [2 - **2** - **2**].

Total Specimens for 29 September 1955: 2

30 September 1955

Congo (Democratic Republic of the): Karavia [mine]: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1955: 1

3 October 1955

Congo (Democratic Republic of the): Irangi: Laarman, J.J.: RMNH: 2 [2 - **2** - **2**].
Tanzania: Nanguale: Ionides, Constantine J.P.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 3 October 1955: 5

7 October 1955

Congo (Democratic Republic of the): Kapaso: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1955: 1

8 October 1955

Rwanda: Nyarutovu: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1955: 1

10 October 1955

Rwanda: Nyarutovu: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1955: 1

11 October 1955

Congo (Democratic Republic of the): Kiswishi [river]: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2]; Lips, M.: RMCA: 4 [4 - **6** - **6**].

Total Specimens for 11 October 1955: 6

14 October 1955

Congo (Democratic Republic of the): Kaponda: Lips, M.: RMCA: 1 [1 - **1** - **1**].
Rwanda: Astrida: Fain, Alexandre: RMCA: 1 [1 - **1**] - Nyakibanda: Fain, Alexandre: RMCA: 7 [7 - **7** - **8**].

Total Specimens for 14 October 1955: 9

15 October 1955

Rwanda: Nyakibanda: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 October 1955: 1

16 October 1955

Congo (Democratic Republic of the): Mukuta: Lips, M.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 16 October 1955: 8

17 October 1955

Rwanda: Musha: Fain, Alexandre: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 17 October 1955: 3

20 October 1955

Congo (Democratic Republic of the): Kashiobwe: Van Iseghem: RMCA: 17 [17 - **17**] - Kashiobwe mission: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **19**].

Total Specimens for 20 October 1955: 19

22 October 1955

Tanzania: Kafukola: Robertson, I.A.D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1955: 1

24 October 1955

Congo (Democratic Republic of the): Nakilubo: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1955: 1

25 October 1955

Congo (Democratic Republic of the): Kinke: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1955: 1

27 October 1955

Congo (Democratic Republic of the): Keyberg: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1]; Lips, M.: RMCA: 3 [3 - **4** - **4**].

Total Specimens for 27 October 1955: 4

30 October 1955

Congo (Democratic Republic of the): Kashiobwe: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1955: 1

1 November 1955

Congo (Democratic Republic of the): Irangi Forest: Fain, Alexandre: RMCA: 1 [1 - **1**] - Popokabaka: Close, René: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 1 November 1955: 2

7 November 1955

Congo (Democratic Republic of the): Karavia [mine]: Lips, M.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 7 November 1955: 8

14 November 1955

Congo (Democratic Republic of the): Irangi: Laarman, J.J.: RMNH: 1 [1 - **1**] - Nakilubo: Lips, M.: RMCA: 3 [3 - **3** - **4**].
Rwanda: Musha: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1955: 5

18 November 1955

Congo (Democratic Republic of the): Vinamont farm: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1955: 1

19 November 1955

Rwanda: Bufundi: Fain, Alexandre: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 19 November 1955: 4

21 November 1955

Congo (Democratic Republic of the): Unknown locality: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1955: 1

26 November 1955

Angola: Huila: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1955: 1

27 November 1955

"Africa": Takamaka: Fryer, J.C.F.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 November 1955: 2

28 November 1955

Congo (Democratic Republic of the): Lubwe: Lips, M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 28 November 1955: 2

29 November 1955

Congo (Democratic Republic of the): Unknown locality: Fain, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 29 November 1955: 2

30 November 1955

Congo (Democratic Republic of the): Kipopo: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1]; Anciaux de Faveaux, Michel: SMF: 1 [1]; De Bont: RMCA: 4 [4 - **6** - **6**].
Tanzania: Bagamoyo: ?: Collector Unknown: RMNH: 8 [8 - **8** - **8**].

Total Specimens for 30 November 1955: 14

5 December 1955

Congo (Democratic Republic of the): Rutshuru: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 5 December 1955: 2

12 December 1955

Congo (Democratic Republic of the): Lubondai-Tshimbulu: Marks, S.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1955: 1

13 December 1955

Congo (Democratic Republic of the): Kifumwanshi: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1955: 1

14 December 1955

Congo (Democratic Republic of the): Irsac labo: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1955: 1

15 December 1955

Congo (Democratic Republic of the): Panda: De Smet: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1955: 1

19 December 1955

Congo (Democratic Republic of the): Elisabethville: : SMF: 1 [1 - **1**] - Keyberg: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2]; Lips, M.: RMCA: 8 [8 - **10** - **11**].

Total Specimens for 19 December 1955: 11

20 December 1955

Congo (Democratic Republic of the): Keyberg: Lips, M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 20 December 1955: 2

22 December 1955

Congo (Democratic Republic of the): Elisabethville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1]; Lips, M.: RMCA: 4 [4 - **5** - **5**].

Total Specimens for 22 December 1955: 5

23 December 1955

Congo (Democratic Republic of the): Kinke: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1]; Lips, M.: RMCA: 6 [6 - **7**] - Lubumbashi: : SMF: 1 [1 - **1** - **8**].

Total Specimens for 23 December 1955: 8

27 December 1955

Congo (Democratic Republic of the): Mumene: ?: Collector Unknown: SMF: 1 [1 - **1**] - Musonge: ?: Collector Unknown: BMNH: 1 [1]; Lips, M.: RMCA: 1 [1 - **2** - **3**].

Total Specimens for 27 December 1955: 3

28 December 1955

Congo (Democratic Republic of the): Elisabethville: Lips, M.: RMCA: 1 [1 - **1**] - Mumene: ?: Collector Unknown: BMNH: 1, SMF: 1 [2]; Hygiene Services of the Congo, The: BMNH: 2 [2]; Lips, M.: RMCA: 5 [5 - **9** - **10**].

Total Specimens for 28 December 1955: 10

29 December 1955

Botswana: Maun: Zumpt, Frits Konrad Ernst: SMNS: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Elisabethville: Lips, M.: RMCA: 2 [2 - **2**] - Musonge: Lips, M.: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 29 December 1955: 4

1 January 1956

Congo: Unknown locality: Laarman, J.J.: RMNH: 57 [57 - **57** - **57**].
Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 8 [8 - **8** - **8**].
Malawi: Karonga: Oram, R.H.: HZM: 3 [3 - **3** - **3**].
Morocco: Nafifik forest: Institut Pasteur, l': MNHN: 1 [1 - **1** - **1**].
Rwanda: Masha: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].
Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 7 [7 - **7** - **7**].

Total Specimens for 1 January 1956: 78

2 January 1956

Angola: Dundo Lundo: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1956: 1

4 January 1956

Congo (Democratic Republic of the): Mimbulu: D'Haenens: RMCA: 2 [2 - **2** - **2**].
Malawi: Karonga: Oram, R.H.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1956: 3

5 January 1956

Congo (Democratic Republic of the): Kalulako: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1]; D'Haenens: RMCA: 1 [1 - **2**] - Kilobelobe: D'Haenens: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 5 January 1956: 3

6 January 1956

Congo: Unknown locality: Laarman, J.J.: RMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Kilobelobe: D'Haenens: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 6 January 1956: 4

7 January 1956

Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].
Tanzania: Korogwe: Ionides, Constantine J.P.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1956: 2

9 January 1956

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1956: 1

10 January 1956

Congo (Democratic Republic of the): Kasongo: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1956: 1

12 January 1956

Congo (Democratic Republic of the): Elisabethville: Anciaux de Faveaux, Félix / Michel: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1956: 1

14 January 1956

Zambia: Mazabuka Boma: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1956: 1

16 January 1956

Congo (Democratic Republic of the): Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1**] - Kahitumba: Laarman, J.J.: RMNH: 9 [9 - **9** - **10**].

Total Specimens for 16 January 1956: 10

19 January 1956

Botswana: Dibete: Zumpt, Frits Konrad Ernst: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1956: 1

28 January 1956

Congo (Democratic Republic of the): Panda: De Smet: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1956: 1

31 January 1956

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 31 January 1956: 3

1 February 1956

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 February 1956: 2

2 February 1956

Congo (Democratic Republic of the): Kikanda: Lips, M.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 2 February 1956: 3

3 February 1956

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - Kibanda: Anciaux de Faveaux, Félix / Michel: MHNG: 3 [3 - **3**] - Kikanda: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **6**].

Total Specimens for 3 February 1956: 6

4 February 1956

Congo (Democratic Republic of the): Keyberg: Anciaux de Faveaux, Félix / Michel: MHNG: 2, RMCA: 2 [4 - **4**] - Kokonde: : SMF: 1 [1 - **1** - **5**].

Total Specimens for 4 February 1956: 5

6 February 1956

Congo (Democratic Republic of the): Keyberg: Anciaux de Faveaux, Félix / Michel: MHNG: 2, RMCA: 7 [9]; service de l'hygiene publique: RMCA: 2 [2 - **11**] - Kikanda: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1]; Lips, M.: RMCA: 4 [4 - **5**] - Kipushi, 15 km from: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2**] - Kipushi, road to: Lips, M.: RMCA: 1 [1 - **1**] - Wasseige farm: Anciaux de Faveaux, Félix / Michel: RMCA: 4 [4 - **4** - **23**].

Total Specimens for 6 February 1956: 23

9 February 1956

Congo (Democratic Republic of the): Keyberg: Anciaux de Faveaux, Félix / Michel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 9 February 1956: 4

10 February 1956

Tanzania: Kafukola: Robertson, I.A.D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1956: 1

11 February 1956

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 11 February 1956: 6

14 February 1956

Congo (Democratic Republic of the): Elisabethville: service de l'hygiene publique: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1956: 1

16 February 1956

Congo (Democratic Republic of the): Kapolowe mission: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].
Uganda: Lotome: Dyson-Hudson, Neville (?) or R. (?): AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1956: 3

17 February 1956

Congo (Democratic Republic of the): Keyberg: Anciaux de Faveaux, Félix / Michel: MHNG: 3, RMCA: 5 [8 - **8** - **8**].

Total Specimens for 17 February 1956: 8

21 February 1956

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 21 February 1956: 3

26 February 1956

Congo (Democratic Republic of the): Kenya: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 26 February 1956: 2

1 March 1956

Botswana: Kanye: Zumpt, Frits Konrad Ernst: BMNH: 1 [1 - **1** - **1**].
Liberia: Marshall Territory: Bray, R.S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1956: 2

8 March 1956

Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1956: 1

10 March 1956

Congo (Democratic Republic of the): Elisabethville: Anciaux de Faveaux, Félix / Michel: MHNG: 1, RMCA: 1 [2 - **2** - **2**].

Total Specimens for 10 March 1956: 2

11 March 1956

Egypt: El Qasr: Hoogstraal, Harry H.: FMNH: 3 [3]; Hoogstraal, Harry H.; Kaiser, M.N.: FMNH: 3 [3 - **6** - **6**].
South Africa: Pinetown: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 11 March 1956: 8

12 March 1956

Congo (Democratic Republic of the): Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1**] - Baga Cave: Anciaux de Faveaux, Félix / Michel: HNHM: 2 [2 - **2**] - Baya caves: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2**] - Grotte de Baya: Anciaux de Faveaux, Félix / Michel: MHNG: 11 [11 - **11**] - Pierkat quarry: Anciaux de Faveaux, Félix / Michel: RMCA: 51 [51 - **51** - **67**].

Total Specimens for 12 March 1956: 67

15 March 1956

Congo (Democratic Republic of the): Elisabethville: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 March 1956: 2

17 March 1956

Congo (Democratic Republic of the): Keyberg: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1956: 1

18 March 1956

Congo (Democratic Republic of the): Grotte de Baya: Anciaux de Faveaux, Félix / Michel: MHNG: 2 [2 - **2**] - Katana: Chapin, James Paul: AMNH: 1 [1 - **1**] - Pierkat quarry: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 18 March 1956: 4

20 March 1956

Congo (Democratic Republic of the): Bamania: Hulstaert, Gustaaf: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1956: 1

26 March 1956

Congo (Democratic Republic of the): Bulaga: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1956: 1

31 March 1956

Congo (Democratic Republic of the): Kyasala cave: Anciaux de Faveaux, Félix / Michel: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 31 March 1956: 10

1 April 1956

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Madagascar: Bas Mangoky agricultural station: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Rwanda: Nyakibanda: Fain, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1956: 4

6 April 1956

Congo (Democratic Republic of the): Elisabethville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1956: 1

9 April 1956

Egypt: Bakkari: Hoogstraal, Harry H.: FMNH: 54, USNM: 60 [114 - **114** - **114**].

Total Specimens for 9 April 1956: 114

10 April 1956

Tanzania: Kalembo: Robertson, I.A.D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1956: 1

15 April 1956

Congo (Democratic Republic of the): Kyasala cave: Anciaux de Faveaux, Félix / Michel: MHNG: 4, RMCA: 5 [9 - **9**] - May Ya Moto: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **10**].

Total Specimens for 15 April 1956: 10

16 April 1956

Congo (Democratic Republic of the): Kapolowe: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - Kapolowe mission: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **2**].
Tanzania: Kafukola: Robertson, I.A.D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1956: 3

17 April 1956

Tanzania: Mbeya Township: Swynnerton, G.H.: AMNH: 5 [5 - **5**] - Nyamirembe: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **6**].

Total Specimens for 17 April 1956: 6

22 April 1956

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1**] - Elisabethville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - Kasapa: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 22 April 1956: 3

25 April 1956

Tanzania: Karema: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Kigoma: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 25 April 1956: 2

28 April 1956

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1956: 1

29 April 1956

Congo (Democratic Republic of the): Kasapa: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1956: 1

1 May 1956

Congo (Democratic Republic of the): Bolafa: Stevenart: RMCA: 6 [6 - **6**] - Mabali: Novick, Alvin: MCZ: 3 [3 - **3** - **9**].

Total Specimens for 1 May 1956: 9

3 May 1956

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Egypt: Abu Rawash: Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1956: 2

5 May 1956

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1956: 1

8 May 1956

Zambia: Ndola: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1956: 1

10 May 1956

Congo (Democratic Republic of the): Kasenga road, km 106: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1956: 1

11 May 1956

Congo (Democratic Republic of the): Lwiro: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1956: 1

14 May 1956

Congo (Democratic Republic of the): Grotte de Baya: Anciaux de Faveaux, Félix / Michel: MHNG: 3 [3]; Lips, M.: RMCA: 3 [3 - **6**] - Pierkat quarry: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **7**].

Total Specimens for 14 May 1956: 7

22 May 1956

Congo (Democratic Republic of the): Grotte de Baya: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1956: 1

24 May 1956

Burundi: Bururi: Laurent: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1956: 1

1 June 1956

Congo (Democratic Republic of the): Unknown locality: Novick, Alvin: MCZ: 3 [3 - **3**] - Butembo: Dyleff, P.: RMCA: 4 [4 - **4**] - Equateur province: Novick, Alvin: MCZ: 1 [1 - **1**] - Mabali: Novick, Alvin: MCZ: 16 [16 - **16** - **24**].

Total Specimens for 1 June 1956: 24

4 June 1956

Congo (Democratic Republic of the): Keyberg: Lips, M.: RMCA: 1 [1 - **1**] - Lwiro: Rahm, Uwe: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 4 June 1956: 2

6 June 1956

Tanzania: Kafukola: Robertson, I.A.D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1956: 1

7 June 1956

Congo (Democratic Republic of the): Kakontwe Camp: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1956: 1

8 June 1956

Congo: Unknown locality: Laarman, J.J.: RMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Kasenga road, km 37: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1956: 3

14 June 1956

Congo (Democratic Republic of the): Lake Tumba, Island in: Novick, Alvin: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1956: 1

18 June 1956

Congo (Democratic Republic of the): Mabali: Novick, Alvin: MCZ: 4 [4 - **4** - **4**].

Total Specimens for 18 June 1956: 4

21 June 1956

Congo (Democratic Republic of the): Mabali: Novick, Alvin: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1956: 1

22 June 1956

Congo (Democratic Republic of the): Equateur province: Novick, Alvin: MCZ: 1 [1 - **1**] - Mabali: Novick, Alvin: MCZ: 1 [1 - **1** - **2**].

Total Specimens for 22 June 1956: 2

24 June 1956

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].
Kenya: Kabete: ?: Collector Unknown: SMF: 10 [10 - **10**] - Nairobi: ?: Collector Unknown: SMF: 2 [2 - **2** - **12**].

Total Specimens for 24 June 1956: 13

25 June 1956

Congo (Democratic Republic of the): Bikoro: Novick, Alvin: MCZ: 6 [6 - **6** - **6**].

Total Specimens for 25 June 1956: 6

26 June 1956

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: MHNG: 1, RMCA: 5 [6 - **6** - **6**].

Total Specimens for 26 June 1956: 6

27 June 1956

Congo (Democratic Republic of the): Mabali: Novick, Alvin: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 27 June 1956: 1

28 June 1956

Congo (Democratic Republic of the): Mulungwishi cave: Anciaux de Faveaux, Félix / Michel: MHNG: 1, RMCA: 5 [6 - **6** - **6**].

Total Specimens for 28 June 1956: 6

1 July 1956

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 1 July 1956: 10

2 July 1956

Tanzania: Karema: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1956: 1

3 July 1956

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1956: 1

4 July 1956

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].
Kenya: Kiboko: : SMF: 12 [12]; Hoogstraal, Harry H.: FMNH: 1 [1 - **13** - **13**].

Total Specimens for 4 July 1956: 15

6 July 1956

Tanzania: Kafukola: Robertson, I.A.D.: HZM: 1 [1 - **1**] - Karema: Hoogstraal, Harry H.: FMNH: 10 [10]; Hoogstraal, Harry H.; Ionides, Constantine J.P.: FMNH: 2 [2 - **12** - **13**].

Total Specimens for 6 July 1956: 13

7 July 1956

Kenya: Kabete: Hoogstraal, Harry H.: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 7 July 1956: 8

9 July 1956

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].
Tanzania: Karema: Hoogstraal, Harry H.: FMNH: 3 [3]; Ionides, Constantine J.P.: FMNH: 1 [1 - **4** - **4**].

Total Specimens for 9 July 1956: 5

10 July 1956

Congo (Democratic Republic of the): Elisabethville: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 10 July 1956: 2

11 July 1956

"Africa": Unknown locality: Novick, Alvin: MCZ: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Katana: Novick, Alvin: MCZ: 10 [10 - **10** - **10**].

Total Specimens for 11 July 1956: 12

12 July 1956

Congo (Democratic Republic of the): Grotte de Baya: Lips, M.: RMCA: 3 [3 - **3**] - Mukween [= Mukwena]: Lips, M.: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 12 July 1956: 4

13 July 1956

Congo (Democratic Republic of the): Grotte de Baya: Lips, M.: RMCA: 1 [1 - **1**] - Lwiro: Novick, Alvin: MCZ: 2 [2 - **2** - **3**].

Total Specimens for 13 July 1956: 3

15 July 1956

Kenya: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Tiwi: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 15 July 1956: 3

16 July 1956

Kenya: Tiwi: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 July 1956: 2

17 July 1956

Kenya: Unknown locality: ?: Collector Unknown: SMF: 25 [25 - **25**] - Coast [former] province: ?: Collector Unknown: SMF: 8 [8 - **8**] - Ngombeni: : SMF: 2 [2 - **2**] - Ngombeni [caves]: Hoogstraal, Harry H.: FMNH: 46 [46 - **46**] - Tiwi: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **84**].

Total Specimens for 17 July 1956: 84

19 July 1956

Congo (Democratic Republic of the): Ituri Forest: Novick, Alvin: MCZ: 9 [9 - **9** - **9**].

Total Specimens for 19 July 1956: 9

23 July 1956

Tanzania: Tengeru: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1956: 1

24 July 1956

Tanzania: Arusha region: ?: Collector Unknown: SMF: 4 [4 - **4**] - Arusha, 6 mi S: Hoogstraal, Harry H.: FMNH: 5 [5 - **5** - **9**].

Total Specimens for 24 July 1956: 9

26 July 1956

Congo (Democratic Republic of the): Uvira: Novick, Alvin: MCZ: 1 [1 - **1** - **1**].
Tanzania: Arusha: Kulzer, Edwin: SMF: 2 [2 - **2**] - Ol Donyo Sambu: Kulzer, Edwin: SMF: 7 [7 - **7**] - Tengeru: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **10**].

Total Specimens for 26 July 1956: 11

27 July 1956

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1**] - Uvira: Novick, Alvin: MCZ: 18 [18 - **18** - **19**].
Tanzania: Tengeru: Hoogstraal, Harry H.: FMNH: 34 [34 - **34** - **34**].

Total Specimens for 27 July 1956: 53

28 July 1956

Tanzania: Arusha, 6 mi S: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Ol Donyo Sambu: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - Tengeru: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **8**].

Total Specimens for 28 July 1956: 8

30 July 1956

Congo (Democratic Republic of the): Kisiushi: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1956: 1

1 August 1956

Congo (Democratic Republic of the): Bushokwe Caves: Novick, Alvin: MCZ: 2 [2 - **2**] - Lula: Poll, Max: RMCA: 16 [16 - **16**] - Niambasha: Rahm, Uwe: RMCA: 1 [1 - **1** - **19**].

Total Specimens for 1 August 1956: 19

2 August 1956

Tanzania: Sigi River: Hoogstraal, Harry H.: FMNH: 57 [57 - **57** - **57**].

Total Specimens for 2 August 1956: 57

3 August 1956

Tanzania: Tanga region: ?: Collector Unknown: SMF: 17 [17 - **17** - **17**].

Total Specimens for 3 August 1956: 17

5 August 1956

South Africa: Table Mountain, Wynberg cave: Grindley, J.: TM: 1 [1]; Grindly, J.R.: TM: 2 [2 - **3** - **3**].

Total Specimens for 5 August 1956: 3

6 August 1956

Congo (Democratic Republic of the): Lula: Poll, Max: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 6 August 1956: 3

9 August 1956

Tanzania: Karema: Ionides, Constantine J.P.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 August 1956: 2

10 August 1956

Congo (Democratic Republic of the): Lula: Poll, Max: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 10 August 1956: 7

13 August 1956

Congo (Democratic Republic of the): Butembo: De Semeries: RMCA: 1 [1 - **1** - **1**].
Kenya: Unknown locality: ?: Collector Unknown: SMF: 6 [6 - **6**] - Central [former] province: ?: Collector Unknown: SMF: 2 [2 - **2**] - Kiambu: Hoogstraal, Harry H.: FMNH: 10 [10 - **10** - **18**].

Total Specimens for 13 August 1956: 19

15 August 1956

Congo (Democratic Republic of the): Irangi: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1956: 1

21 August 1956

Kenya: Unknown locality: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 21 August 1956: 4

22 August 1956

Uganda: Kigumba: Yunker, C.E.; Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1956: 1

24 August 1956

Kenya: Subukia: Hoogstraal, Harry H.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 24 August 1956: 7

25 August 1956

Congo (Democratic Republic of the): Tshibaka: Poll, Max: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1956: 1

1 September 1956

Congo (Democratic Republic of the): Epulu: Poll, Max: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 1 September 1956: 5

5 September 1956

Congo (Democratic Republic of the): Uvira: Laurent: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 5 September 1956: 4

13 September 1956

South Africa: Skurweberg cave: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 September 1956: 1

20 September 1956

Zimbabwe: Bulawayo: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1956: 1

21 September 1956

Congo (Democratic Republic of the): Epulu: Poll, Max: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 21 September 1956: 3

24 September 1956

Congo (Democratic Republic of the): Epulu: Poll, Max: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1956: 1

25 September 1956

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 25 September 1956: 2

27 September 1956

Egypt: Saqqara: Hoogstraal, Harry H.: FMNH: 1 [1]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 27 September 1956: 2

1 October 1956

Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Epulu: Poll, Max: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 October 1956: 3

3 October 1956

Guinea: Tahiré: Knorr, Hans: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 3 October 1956: 2

5 October 1956

Guinea: Tahiré: Knorr, Hans: ZFMK: 1 [1 - **1**] - Tahire, big cave near: Knorr, Hans: SMNS: 1 [1 - **1** - **2**].

Total Specimens for 5 October 1956: 2

9 October 1956

South Africa: Sterkfontein caves: Brain, C.K.: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1956: 1

11 October 1956

Guinea: Kindia: Knorr, Hans: ZFMK: 1 [1 - **1**] - Tahiré: Knorr, Hans: SMNS: 1 [1 - **1** - **2**].

Total Specimens for 11 October 1956: 2

18 October 1956

Congo (Democratic Republic of the): St Gerard mission: Anciaux de Faveaux, Félix / Michel: RMCA: 4, SMF: 1 [5 - **5** - **5**].

Total Specimens for 18 October 1956: 5

20 October 1956

Congo (Democratic Republic of the): Kakonde: Anciaux de Faveaux, Félix / Michel: RMCA: 7, SMF: 2 [9 - **9**] - Katanga: ?: Collector Unknown: SMF: 1 [1 - **1** - **10**].

Total Specimens for 20 October 1956: 10

1 November 1956

Congo (Democratic Republic of the): Gangala na Bodio: Poll, Max: RMCA: 4 [4 - **4**] - Lemera: Laurent: RMCA: 1 [1 - **1**] - Uvira: Laurent: RMCA: 1 [1 - **1** - **6**].

Total Specimens for 1 November 1956: 6

2 November 1956

Congo (Democratic Republic of the): Elisabethville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1956: 1

4 November 1956

Congo (Democratic Republic of the): Kalulako: D'Haenens: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 4 November 1956: 6

13 November 1956

South Africa: Skurweberg cave: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 10 [10 - **10** - **10**].

Total Specimens for 13 November 1956: 10

14 November 1956

Congo (Democratic Republic of the): Elisabethville: : SMF: 1 [1 - **1**] - Gangala na Bodio: Poll, Max: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 14 November 1956: 2

15 November 1956

Guinea: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Salung Plateau, cave near Nyembaro: Knorr, Hans: SMNS: 3, ZFMK: 4 [7 - **7** - **8**].

Total Specimens for 15 November 1956: 8

16 November 1956

South Africa: Skurweberg cave: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1956: 1

19 November 1956

Guinea: Kolenté, 10 km W: Knorr, Hans: SMNS: 9 [9 - **9**] - Salung Plateau, cave near Nyembaro: Knorr, Hans: ZFMK: 1 [1 - **1** - **10**].

Total Specimens for 19 November 1956: 10

20 November 1956

Tanzania: Nachingwea: ?: Collector Unknown: BRTC: 1 [1]; : SMF: 1 [1 - **2** - **2**].

Total Specimens for 20 November 1956: 2

22 November 1956

Congo (Democratic Republic of the): Ngwiro: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1956: 1

23 November 1956

Guinea: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Kankuya Plateau, cave near Nyembaro: Knorr, Hans: ZFMK: 1 [1 - **1**] - Nyembaro: Knorr, Hans: ZFMK: 1 [1 - **1** - **3**].

Total Specimens for 23 November 1956: 3

24 November 1956

Guinea: Kolente: Knorr, Hans: ZFMK: 2 [2 - **2**] - Nyembaro: Knorr, Hans: SMF: 2, SMNS: 8 [10 - **10** - **12**].

Total Specimens for 24 November 1956: 12

27 November 1956

Guinea: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Kolente: Knorr, Hans: SMF: 1 [1 - **1**] - Kolenté, 10 km W: Knorr, Hans: SMNS: 1 [1 - **1** - **3**].

Total Specimens for 27 November 1956: 3

1 December 1956

Congo (Democratic Republic of the): Gangala na Bodio: Poll, Max: RMCA: 4 [4 - **4**] - Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **5**].

Total Specimens for 1 December 1956: 5

2 December 1956

Tanzania: Bagamoyo: ?: Collector Unknown: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 December 1956: 2

3 December 1956

South Africa: Pretoria: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1956: 1

4 December 1956

Tanzania: Bagamoyo: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1956: 1

6 December 1956

Congo (Democratic Republic of the): Gangala na Bodio: Poll, Max: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1956: 1

9 December 1956

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1956: 1

13 December 1956

Congo (Democratic Republic of the): Baye via Bondo: Rooyakkers: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 13 December 1956: 3

15 December 1956

Kenya: Lirandha Hill: Williams, John George: HZM: 7 [7 - **7** - **7**].

Total Specimens for 15 December 1956: 7

27 December 1956

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 27 December 1956: 2

28 December 1956

Congo (Democratic Republic of the): Kasenga mission: Van Iseghem: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1956: 1

30 December 1956

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1956: 1

31 December 1956

Congo (Democratic Republic of the): Tschambutscha: Stephan, Heinz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1956: 1

1 January 1957

Congo (Democratic Republic of the): Irangi Forest: Leleup, Narcisse: RMCA: 3 [3 - **3**] - Oso river: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2** - **5**].
Kenya: Nakuru: ?: Collector Unknown: CAS: 2 [2 - **2** - **2**].
Madagascar: Tananarive: Chabaud, Alain Gabriel: MNHN: 1 [1 - **1** - **1**].
Morocco: Berkane: Brosset, André: MNHN: 1 [1 - **1** - **1**].
Rwanda: Unknown locality: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].
Somalia: Genale: Sammicheli, A.: MZUF: 3 [3 - **3** - **3**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 6 [6 - **6** - **6**].

Total Specimens for 1 January 1957: 22

3 January 1957

Congo (Democratic Republic of the): Irangi: Laarman, J.J.: RMNH: 1 [1]; Stephan, Heinz: RMCA: 2 [2 - **3** - **3**].

Total Specimens for 3 January 1957: 3

4 January 1957

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1957: 1

5 January 1957

Zambia: Luanshya: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1957: 1

8 January 1957

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1957: 1

10 January 1957

Congo (Democratic Republic of the): Baraka, 5 mi N: Leech, Robin E.; Ross, Edward S.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 10 January 1957: 2

12 January 1957

South Africa: Skurweberg cave: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1** - **1**].
Zambia: Luanshya: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1957: 2

14 January 1957

South Africa: Skurweberg cave: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1** - **1**].

Zambia: Luanshya, 6 mi S: Ansell, William Frank Harding: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1957: 2

15 January 1957

Congo (Democratic Republic of the): Muhulu: Stephan, Heinz: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 15 January 1957: 9

16 January 1957

Congo (Democratic Republic of the): Muhulu: Stephan, Heinz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1957: 1

23 January 1957

Congo (Democratic Republic of the): Katana cave: Stephan, Heinz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1957: 1

26 January 1957

Egypt: Abu Rawash: Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1957: 1

31 January 1957

Congo (Democratic Republic of the): Irangi: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1957: 1

1 February 1957

Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 8 [8 - **8** - **8**].

Total Specimens for 1 February 1957: 8

6 February 1957

Congo (Democratic Republic of the): Kakontwe cave: Verhoustraete, G.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1957: 1

7 February 1957

Kenya: Nairobi: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1957: 1

8 February 1957

Congo (Democratic Republic of the): Kakontwe cave: Verhoustraete, G.: RMCA: 1 [1 - **1**] - St Therese mission: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **2**].
Zambia: Chizera: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1957: 3

13 February 1957

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 13 February 1957: 7

18 February 1957

Congo (Democratic Republic of the): Kabobo, mount: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1957: 1

1 March 1957

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - Yalusaka: Carbone, F.: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 1 March 1957: 2

3 March 1957

Zimbabwe: Wallaby Claims: Smithers, Reay Henry Noble: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1957: 1

4 March 1957

Congo (Democratic Republic of the): Epulu: Station de domestication des okapis Epulu: RMCA: 1 [1]; Stephan, Heinz: RMCA: 2 [2 - **3** - **3**].

Total Specimens for 4 March 1957: 3

11 March 1957

Congo (Democratic Republic of the): Kisala: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1957: 1

23 March 1957

Congo (Democratic Republic of the): Gangala: Stephan, Heinz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1957: 1

24 March 1957

Congo (Democratic Republic of the): Gangala: Stephan, Heinz: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 24 March 1957: 9

25 March 1957

Congo (Democratic Republic of the): Gangala: Stephan, Heinz: RMCA: 3 [3 - **3**] - St Therese mission: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 25 March 1957: 4

26 March 1957

Congo (Democratic Republic of the): Gangala: Stephan, Heinz: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 26 March 1957: 2

27 March 1957

Congo (Democratic Republic of the): Gangala: Stephan, Heinz: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1957: 1

28 March 1957

Egypt: Durunka: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - Jebel Drunka: ?: Collector Unknown: FMNH: 1 [1 - **1** - **4**].

Total Specimens for 28 March 1957: 4

30 March 1957

Egypt: Beheira governate: Hoogstraal, Harry H.: FLMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1957: 1

1 April 1957

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 1 April 1957: 3

2 April 1957

Congo (Democratic Republic of the): Defrenne cave: Verhoustraete, G.: RMCA: 1 [1 - **1** - **1**].
Egypt: El Wilidiya: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 2 April 1957: 4

3 April 1957

Congo (Democratic Republic of the): Defrenne cave: Verhoustraete, G.: RMCA: 1 [1 - **1**] - Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 9 [9 - **9** - **10**].

Total Specimens for 3 April 1957: 10

7 April 1957

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1957: 1

10 April 1957

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1957: 1

15 April 1957

Guinea: Zouguépo: Lamotte, M.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1957: 1

22 April 1957

Zambia: Ndola: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1957: 1

28 April 1957

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: MHNG: 7 [7 - **7** - **7**].

Total Specimens for 28 April 1957: 7

1 May 1957

Gabon: Lastourville: Rougeot, P.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1957: 1

6 May 1957

Tanzania: Lembeni: Andersen: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1957: 1

7 May 1957

Tanzania: Bunduki: Basilewsky, P.; Leleup, Narcisse: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1957: 1

9 May 1957

Congo (Democratic Republic of the): Epulu: Station de domestication des okapis Epulu: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 9 May 1957: 2

11 May 1957

Uganda: Lake Katwe: Petrides, George A.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1957: 1

16 May 1957

Kenya: Wajir: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1957: 1

17 May 1957

Congo (Democratic Republic of the): Epulu: Station de domestication des okapis Epulu: RMCA: 1 [1 - **1**] - Kantundwe: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 17 May 1957: 2

26 May 1957

Tanzania: Liwale: Ionides, Constantine J.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1957: 1

1 June 1957

Congo: Unknown locality: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1957: 1

3 June 1957

Congo (Democratic Republic of the): Bushokwe Caves: Dubois, Jean: MCZ: 12 [12 - **12**] - Tungudu: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **13**].
Tanzania: Lembeni: Andersen: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 3 June 1957: 15

7 June 1957

Botswana: Tsane, Camp 8: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1957: 1

11 June 1957

Tanzania: Lembeni: Andersen: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 11 June 1957: 1

17 June 1957

Congo (Democratic Republic of the): Ngamaye: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Tanzania: Lembeni: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1957: 2

19 June 1957

Congo (Democratic Republic of the): Defrenne cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - Pempere cave: Anciaux de Faveaux, Félix / Michel: RMCA: 13 [13 - **13**] - Pempéré cave: Anciaux de Faveaux, Félix / Michel: MHNG: 5 [5 - **5** - **19**].

Total Specimens for 19 June 1957: 19

20 June 1957

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2 [2]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 2 [2 - **4** - **4**].

Total Specimens for 20 June 1957: 4

21 June 1957

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2 [2]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 2 [2 - **4** - **4**].
Tanzania: Lembeni: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1957: 5

24 June 1957

Malawi: Karonga: Oram, R.H.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1957: 1

26 June 1957

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 6 [6]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 5 [5 - **11** - **11**].

Total Specimens for 26 June 1957: 11

30 June 1957

Congo (Democratic Republic of the): Kakontwe: Anciaux de Faveaux, Félix / Michel: MHNG: 1, RMCA: 2 [3 - **3** - **3**].

Total Specimens for 30 June 1957: 3

3 July 1957

Congo (Democratic Republic of the): Kawezi-Uvira road: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].
Tanzania: Nachingwea: Ionides,Constantine J.P.: WAM: 1 [1 - **1**] - Sam Deli: Andersen: ZFMK: 1 [1 - **1** - **2**].

Total Specimens for 3 July 1957: 3

8 July 1957

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 3 [3 - **3**] - Kakontwe cave: Anciaux de Faveaux, Félix / Michel: MHNG: 5, RMCA: 10 [15 - **15** - **18**].

Total Specimens for 8 July 1957: 18

10 July 1957

Tanzania: Same: Andersen, Th.: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1957: 1

11 July 1957

Tanzania: Dali: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1957: 1

12 July 1957

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: MHNG: 7, RMCA: 32 [39 - **39** - **39**].
Tanzania: Dali: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1957: 40

16 July 1957

Congo (Democratic Republic of the): Mwadingusha: Anciaux de Faveaux, Félix / Michel: MHNG: 4, RMCA: 16 [20 - **20** - **20**].

Total Specimens for 16 July 1957: 20

24 July 1957

South Africa: Sterkfontein caves: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1957: 1

25 July 1957

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1**] - Kandu cave: Anciaux de Faveaux, Félix / Michel: MHNG: 6, RMCA: 28 [34 - **34** - **35**].

Total Specimens for 25 July 1957: 35

27 July 1957

South Africa: Skurweberg cave: Copley, A.: TM: 2 [2 - **2** - **2**].

Total Specimens for 27 July 1957: 2

28 July 1957

Congo (Democratic Republic of the): Kyasala cave: Anciaux de Faveaux, Félix / Michel: MHNG: 2, RMCA: 18 [20 - **20**] - Kyasala grande grotte: Anciaux de Faveaux, Félix / Michel: MHNG: 7 [7 - **7**] - Lusolo cave: Anciaux de Faveaux, Félix / Michel: MHNG: 7, RMCA: 25 [32 - **32** - **59**].

Total Specimens for 28 July 1957: 59

29 July 1957

Congo (Democratic Republic of the): Kyantapo cave: Anciaux de Faveaux, Félix / Michel: MHNG: 2, RMCA: 4 [6 - **6** - **6**].

Total Specimens for 29 July 1957: 6

30 July 1957

Congo (Democratic Republic of the): Mulonga cave: Anciaux de Faveaux, Félix / Michel: MHNG: 5, RMCA: 6 [11 - **11** - **11**].

Total Specimens for 30 July 1957: 11

1 August 1957

Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1957: 1

2 August 1957

Angola: Lucano: Hall, B.P.: BMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Katende falls: Vaillemans: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1957: 2

4 August 1957

Gabon: N'Dumbu cave: Strinati, Pierre; Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1957: 1

5 August 1957

Tanzania: Kilwa: Harrison, David Lakin: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1957: 1

8 August 1957

Congo (Democratic Republic of the): Kilembe, 52 mi [=84 km] S: Leech, Robin E.; Ross, Edward S.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 8 August 1957: 2

20 August 1957

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Zambia: Lunga Game Reserve: Schwartz, A.; Ansell, William Frank Harding: KU: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1957: 2

23 August 1957

Tanzania: Lembeni: Andersen, Th.: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1957: 1

25 August 1957

Congo (Democratic Republic of the): Tshamalenge cave: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1957: 1

26 August 1957

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Tanzania: Lembeni: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1957: 2

30 August 1957

Congo (Democratic Republic of the): Mulonga cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1957: 1

31 August 1957

South Africa: Skurweberg cave: Harnold, Copley; Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1957: 1

1 September 1957

Rwanda: Bugesera: Leleup, Narcisse: RMCA: 2 [2 - **2** - **2**].
South Africa: Skurweberg cave: Arnold, H.; *et al.*: TM: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].
Uganda: Semliki Game Reserve: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1957: 5

5 September 1957

Tanzania: Lembeni: Andersen: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1957: 1

8 September 1957

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1957: 1

10 September 1957

Congo (Democratic Republic of the): Grand ebouli de Lemera: Leleup, Narcisse: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1957: 1

18 September 1957

Angola: Roça Cansele: Heinrich, Gerd H.: YPM: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Kiumba: Rahm, Uwe: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 18 September 1957: 4

22 September 1957

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1** - **1**].
Mozambique: Marine Research Station: ?: Collector Unknown: TM: 9 [9 - **9** - **9**].

Total Specimens for 22 September 1957: 10

23 September 1957

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1957: 1

24 September 1957

Mozambique: Marine Research Station: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].

Total Specimens for 24 September 1957: 6

25 September 1957

Mozambique: Marine Research Station: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 September 1957: 1

27 September 1957

Egypt: Between Abu-Rawash and the pyramids: Dely, O.Gy.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1957: 1

28 September 1957

Congo (Democratic Republic of the): Yalusaka: Carbone, F.: RMCA: 1 [1 - **1** - **1**].
Uganda: Masindi: Brooks, A.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1957: 2

29 September 1957

Congo (Democratic Republic of the): Dethioux farm cave: Anciaux de Faveaux, Félix / Michel: MHNG: 7 [7 - **7**] - Tantara cave: Anciaux de Faveaux, Félix / Michel: RMCA: 5 [5 - **5** - **12**].

Total Specimens for 29 September 1957: 12

1 October 1957

Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1957: 1

3 October 1957

Tanzania: Seronera: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1957: 1

5 October 1957

Congo (Democratic Republic of the): Hoyo, Mount: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1**] - Mount Hoyo caves: Leech, Robin E.; Ross, Edward S.: CAS: 7 [7 - **7** - **8**].

Total Specimens for 5 October 1957: 8

10 October 1957

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2 [2]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 2 [2 - **4** - **4**].

Total Specimens for 10 October 1957: 4

11 October 1957

Botswana: Kanye: Arnold, H.J.: TM: 2 [2 - **2** - **2**].

Total Specimens for 11 October 1957: 2

20 October 1957

Congo (Democratic Republic of the): Pempere cave: Anciaux de Faveaux, Félix / Michel: RMCA: 26 [26 - **26**] - Pempéré cave: Anciaux de Faveaux, Félix / Michel: MHNG: 2 [2 - **2** - **28**].

Total Specimens for 20 October 1957: 28

23 October 1957

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 1 [1 - **2** - **2**].

Tanzania: Seronera: Leech, Robin E.; Ross, Edward S.: CAS: 3 [3 - **3** - **3**].

Total Specimens for 23 October 1957: 5

27 October 1957

Egypt: Al Jiza governorate: Hoogstraal, Harry H.; Kaiser, M.N.: FLMNH: 1 [1 - **1**] - Saqqara: Hoogstraal, Harry H.: FMNH: 22 [22]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 2 [2 - **24** - **25**].

Total Specimens for 27 October 1957: 25

31 October 1957

Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 31 October 1957: 2

1 November 1957

Congo (Democratic Republic of the): Bondo: Roland: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 1 November 1957: 5

4 November 1957

Tanzania: Lembeni: Andersen: SMNS: 1 [1]; Andersen, Th.: SMNS: 2 [2 - **3** - **3**].

Total Specimens for 4 November 1957: 3

6 November 1957

Angola: Nova Lisboa: Santos, Jaime V.: CZL: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1957: 1

11 November 1957

Congo (Democratic Republic of the): Tantara cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].
Tanzania: Amboni Cave Forest: Leech, Robin E.; Ross, Edward S.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 11 November 1957: 3

27 November 1957

Uganda: Toro: Foster, J.B.; Bateman, R.M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1957: 1

29 November 1957

Angola: Duque de Braganca, 42 km N: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1957: 1

30 November 1957

Uganda: Entebbe: Foster, J.B.; Bateman, R.M.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 30 November 1957: 2

1 December 1957

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 4 [4 - **4**] - Kalumbu cave: Anciaux de Faveaux, Félix / Michel: RMCA: 19 [19 - **19**] - Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3** - **26**].
Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].
Uganda: Entebbe: Foster, J.B.; Bateman, R.M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1957: 28

2 December 1957

Congo (Democratic Republic of the): Kasenyi: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.; Kaiser, M.N.: FMNH: 1 [1 - **1** - **1**].
Kenya: Mount Kenya, W side: : SMF: 1 [1 - **1** - **1**].

Uganda: Kasenju: Leech, Robin E.; Ross, Edward S.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 2 December 1957: 5

3 December 1957

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1957: 1

4 December 1957

Kenya: Rumuruti: Foster, J.B.; Bateman, R.M.: ROM: 2 [2 - **2** - **2**].
Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1957: 3

5 December 1957

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 3 [3 - **3** - **3**].

Total Specimens for 5 December 1957: 3

6 December 1957

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1957: 1

7 December 1957

Kenya: Nairobi: Foster, J.B.; Bateman, R.M.: ROM: 3 [3 - **3** - **3**].
Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 3 [3 - **3**] - Kidugallo: Andersen, Th.: SMNS: 1 [1 - **1** - **4**].

Total Specimens for 7 December 1957: 7

8 December 1957

Cameroon: Malende Swamp area: Eisentraut, Martin: SMNS: 1, ZFMK: 2 [3 - **3** - **3**].
Tanzania: Kidugallo: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1957: 4

9 December 1957

Malawi: Karonga: Oram, R.H.: HZM: 2 [2 - **2** - **2**].
Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 December 1957: 4

10 December 1957

Cameroon: Malende Swamp area: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 7 [7 - **7**] - Jadoville: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2** - **9**].

Total Specimens for 10 December 1957: 10

11 December 1957

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1957: 1

17 December 1957

Tanzania: Lembeni: Andersen: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1957: 1

18 December 1957

Congo (Democratic Republic of the): Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3**] - Mwadingusha: Anciaux de Faveaux, Félix / Michel: RMCA: 5 [5 - **5** - **8**].

Tanzania: Manyara, Lake: Foster, J.B.; Bateman, R.M.: ROM: 4 [4 - **4** - **4**].
Zambia: Abercorn: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1957: 13

20 December 1957

Tanzania: Manyara, Lake: Foster, J.B.; Bateman, R.M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1957: 1

23 December 1957

Tanzania: Kidugallo: Andersen, Th.: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1957: 1

27 December 1957

Egypt: Saqqara: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 December 1957: 2

28 December 1957

Tanzania: Kidugallo: Andersen: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1957: 1

1 January 1958

Botswana: Kanye: Zumpt, Frits Konrad Ernst: ZFMK: 4 [4 - **4** - **4**].
Cameroon: Kumba: Eisentraut, Martin: USNM: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - Gizeh: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4** - **6**].
Kenya: Nakuru: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].
South Africa: Grahamstown: Ewer, R.F.: ROM: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1958: 14

5 January 1958

Cameroon: Camp III: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1958: 1

6 January 1958

"Africa": Urundi: Leech, Robin E.; Ross, Edward S.: CAS: 7 [7 - **7** - **7**].
Cameroon: Buéa: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].
South Africa: Zebedula: Copley, R.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1958: 9

7 January 1958

Cameroon: Camp III: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].
South Africa: Farm Modderfontein, Howel Davies Caves: Copley, R.B.: TM: 4 [4 - **4**] - Howell Davies Caves: ?: Collector Unknown: TM: 22 [22 - **22**] - Zebedielo: Copley, R.B.: SMF: 1 [1 - **1** - **27**].

Total Specimens for 7 January 1958: 28

8 January 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
South Africa: Farm Modderfontein, Howel Davies Caves: Copley, R.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1958: 2

10 January 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Uganda: Katwe: Greenberg, Stuart N.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1958: 2

11 January 1958

Uganda: Kasenyi: Longhurst, William M.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1958: 1

12 January 1958

Kenya: Nairobi Area: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1958: 1

13 January 1958

South Africa: Farm Makapansgat 39KS, Ficus cave: Copley, R.B.: TM: 3 [3 - **3**] - Farm Makapansgat, Ficus cave: ?: Collector Unknown: TM: 5 [5 - **5** - **8**].

Total Specimens for 13 January 1958: 8

15 January 1958

Angola: Calulo, 40 km E: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1958: 2

19 January 1958

South Africa: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Uitkomst, Farm 499: Meester, Jurgens Anthonie Janse [=Waldo]: SMF: 1 [1 - **1** - **2**].
Uganda: Bukorwe Ridge: Longhurst, William M.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1958: 3

20 January 1958

Congo (Democratic Republic of the): St Therese mission: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1958: 1

21 January 1958

Uganda: Mweya: Longhurst, William M.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1958: 1

22 January 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1958: 1

24 January 1958

Uganda: Mweya: Longhurst, William M.: MVZ: 2 [2 - **2** - **2**].

Total Specimens for 24 January 1958: 2

26 January 1958

Congo (Democratic Republic of the): Bunkeya: Van Oost: RMCA: 1 [1 - **1** - **1**].
Tanzania: Rondo Flat [Forest Reserve]: Ionides, Constantine J.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1958: 2

29 January 1958

Zambia: Mbesuma: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1958: 1

31 January 1958

Zambia: Mbesuma: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1958: 1

1 February 1958

Azores (Portugal): Terceira Island: Parker, P.: USNM: 1 [1 - **1** - **1**].
Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Kenya: Coast [former] province: Parker: SMF: 2 [2 - **2** - **2**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].
Uganda: Miveya: Longhurst, William M.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1958: 6

3 February 1958

Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1958: 1

5 February 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1958: 1

6 February 1958

Cameroon: Mount Cameroon: Eisentraut, Martin: USNM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kakontwe cave: Leech, Robin E.; Ross, Edward S.: CAS: 7 [7 - **7**] - Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2** - **9**].

Total Specimens for 6 February 1958: 10

7 February 1958

Tanzania: Mawarenge: Harrison, David Lakin: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 7 February 1958: 6

9 February 1958

Cameroon: above Mueli: Eisentraut, Martin: RBINS: 1 [1 - **1** - **1**].
South Africa: Cave of Death: Copley, R.B.: TM: 1 [1 - **1**] - Irene, Cave of Death: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 9 February 1958: 3

10 February 1958

Cameroon: Camp V, Mueli: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1958: 1

12 February 1958

Kenya: Lualeni Borehole: Parker, Ian: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1958: 1

15 February 1958

Angola: Rio Luachimo: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].
South Africa: Blurweberg cave: Copley, R.B.: TM: 2 [2 - **2** - **2**].

Total Specimens for 15 February 1958: 3

17 February 1958

South Africa: Blurweberg cave: Copley, R.B.: TM: 3 [3 - **3**] - Skurweberg cave: Copley, R.B.: TM: 1 [1 - **1** - **4**].

Total Specimens for 17 February 1958: 4

20 February 1958

Cameroon: Mueli, Lager V: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1958: 1

21 February 1958

Kenya: Ngare Ndare [Farm]: Carter, T. Donald: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 February 1958: 3

23 February 1958

Cameroon: Kumba: Eisentraut, Martin: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1958: 1

25 February 1958

Angola: Rio Luachimo: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1958: 1

26 February 1958

Angola: Rio Luachimo: Heinrich, Gerd H.: YPM: 2 [2 - **2** - **2**].

Total Specimens for 26 February 1958: 2

27 February 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 February 1958: 1

28 February 1958

Angola: Rio Luachimo: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1958: 1

1 March 1958

Angola: Rio Luachimo: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kolwezi: ?: Collector Unknown: OSU: 1 [1 - **1** - **1**].
Kenya: Voi: : SMF: 2 [2 - **2** - **2**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1958: 5

5 March 1958

Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1958: 1

6 March 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1958: 1

8 March 1958

Angola: Cambo, 60 km N: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1958: 1

9 March 1958

Zimbabwe: Sinela caves: Leech, Robin E.; Ross, Edward S.: CAS: 2 [2 - **2**] - Sinoia caves: Leech, Robin E.; Ross, Edward S.: CAS: 6 [6 - **6** - **8**].

Total Specimens for 9 March 1958: 8

10 March 1958

Congo (Democratic Republic of the): Yalusaka: Carbone, F.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1958: 1

11 March 1958

Cameroon: Isobi: Eisentraut, Martin: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1958: 1

12 March 1958

Cameroon: Mount Cameroon: Eisentraut, Martin: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1958: 1

16 March 1958

Congo (Democratic Republic of the): Yalusaka: Carbone, F.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 16 March 1958: 10

18 March 1958

Cameroon: Mount Cameroon: Eisentraut, Martin: USNM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1958: 2

21 March 1958

Angola: Carumba lake: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 21 March 1958: 1

24 March 1958

Congo (Democratic Republic of the): Bunkeya: Van Oost: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1958: 1

1 April 1958

Congo (Democratic Republic of the): Panda Camp: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 4 [4 - **4** - **4**].

Total Specimens for 1 April 1958: 5

2 April 1958

South Africa: Farm Modderfontein, Howell Davies Cave: Copley, R.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1958: 1

4 April 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1958: 1

7 April 1958

South Africa: Farm Modderfontein, Howel Davies Caves: Copley, R.B.: TM: 2 [2 - **2** - **2**].

Total Specimens for 7 April 1958: 2

8 April 1958

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 8 April 1958: 2

9 April 1958

South Africa: Farm Modderfontein, Howel Davies Caves: Copley, R.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 April 1958: 1

10 April 1958

South Africa: Farm Makapansgat 39, Peppercorn Cave [=Peppercorn's, Peppercorn]: Copley, R.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1958: 1

11 April 1958

Angola: Rio Kassai: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1958: 1

14 April 1958

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 6 [6 - **6** - **6**].

Total Specimens for 14 April 1958: 6

15 April 1958

South Africa: Farm Modderfontein, Howel Davies Caves: Copley, R.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1958: 1

16 April 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1958: 1

18 April 1958

Kenya: Nakuru: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1958: 1

21 April 1958

Congo (Democratic Republic of the): Pempere cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].
Kenya: Endebess: Tweedie: HZM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1958: 2

23 April 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1958: 1

24 April 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1958: 1

25 April 1958

Tanzania: Kafukola: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].
Uganda: Kasenyi: Kibwana, V.: MVZ: 1 [1]; Kibwana, V.; Longhurst, William M.: MVZ: 1 [1 - **2** - **2**].

Total Specimens for 25 April 1958: 3

27 April 1958

South Africa: West Driefontein caves: Copley, R.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 April 1958: 1

28 April 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 28 April 1958: 3

29 April 1958

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8** - **8**].

Total Specimens for 29 April 1958: 8

1 May 1958

Congo (Democratic Republic of the): Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - Swanepoel I cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - Swanepoel II abyss: Anciaux de Faveaux, Félix / Michel: RMCA: 8 [8 - **8** - **11**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 May 1958: 14

5 May 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1958: 1

14 May 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1958: 1

16 May 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 16 May 1958: 2

17 May 1958

Namibia: Oshikango: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **1**].
Uganda: Nyanugasani River: Kibwana, V.; Longhurst, William M.: MVZ: 1 [1 - **1**] - Oshikango: Leech, Robin E.; Ross, Edward S.: CAS: 4 [4 - **4** - **5**].

Total Specimens for 17 May 1958: 6

18 May 1958

Uganda: Nyanugasani River: Kibwana, V.; Longhurst, William M.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1958: 1

26 May 1958

Congo (Democratic Republic of the): Epulu: Station de domestication des okapis Epulu: RMCA: 1 [1 - **1** - **1**].
Kenya: Gilgil, near: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1958: 2

30 May 1958

Kenya: Nairobi: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1958: 1

1 June 1958

Kenya: Lukenia: ?: Collector Unknown: CAS: 2 [2 - **2** - **2**].
South Africa: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1958: 4

2 June 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1**] - Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **2**].
Kenya: Athi river: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1958: 3

3 June 1958

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 7 [7 - **7**] - Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3** - **10**].

Total Specimens for 3 June 1958: 10

4 June 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Tanzania: Liwale: : SMF: 2 [2]; Harrison, David Lakin: ROM: 1 [1 - **3** - **3**].

Total Specimens for 4 June 1958: 4

5 June 1958

Kenya: Lukenia: ?: Collector Unknown: CAS: 10 [10 - **10** - **10**].

Total Specimens for 5 June 1958: 10

7 June 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 7 June 1958: 2

8 June 1958

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 8 June 1958: 2

9 June 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Kenya: unspecified locality: Williams, John George: LACM: 1 [1 - **1** - **1**].

Total Specimens for 9 June 1958: 2

10 June 1958

Tanzania: Mbemba: Harrison, David Lakin: ROM: 1, SMF: 1 [2]; Rees, A.F.?: SMF: 1 [1 - **3** - **3**].

Total Specimens for 10 June 1958: 3

11 June 1958

Congo (Democratic Republic of the): Pempere cave: Anciaux de Faveaux, Félix / Michel: RMCA: 4, SMF: 4 [8 - **8** - **8**].
Kenya: Nyeri: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 11 June 1958: 9

12 June 1958

Kenya: Langata: ?: Collector Unknown: CAS: 3 [3 - **3**] - Nairobi: ?: Collector Unknown: CAS: 5 [5 - **5** - **8**].

Total Specimens for 12 June 1958: 8

14 June 1958

South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: Copley, R.B.: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1958: 1

15 June 1958

Congo (Democratic Republic of the): Dethioux farm, cave I: Anciaux de Faveaux, Félix / Michel: RMCA: 7 [7 - **7**] - Dethioux farm, cave II: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **8**].
Kenya: Lake Naivasha: ?: Collector Unknown: CAS: 5 [5 - **5**] - South Kinangop plateau: ?: Collector Unknown: CAS: 1 [1 - **1** - **6**].

Total Specimens for 15 June 1958: 14

16 June 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1**] - Epulu: Station de domestication des okapis Epulu: RMCA: 1 [1 - **1** - **2**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 6, USNM: 6 [12 - **12** - **12**].
South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: Copley, R.B.: TM: 1 [1 - **1** - **1**].
Tanzania: Nachingwea: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1958: 16

17 June 1958

Congo (Democratic Republic of the): Uvira: Marlier, Georges: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 14, USNM: 14 [28 - **28** - **28**].
Kenya: Voi: ?: Collector Unknown: CAS: 5 [5 - **5** - **5**].

Total Specimens for 17 June 1958: 34

18 June 1958

Kenya: Nairobi: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1958: 1

19 June 1958

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 19 June 1958: 2

20 June 1958

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4** - **4**].
Kenya: Lake Naivasha: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1958: 5

21 June 1958

Kenya: Limuru: ?: Collector Unknown: CAS: 11 [11 - **11** - **11**].

Total Specimens for 21 June 1958: 11

22 June 1958

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1958: 1

30 June 1958

South Africa: Farm Modderfontein, Howel Davies Caves: Copley, R.B.: TM: 3 [3 - **3** - **3**].
Tanzania: Nachingwea: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1958: 4

1 July 1958

Congo (Democratic Republic of the): Kiwakishi cave: Leleup, Narcisse: RMCA: 2 [2 - **2** - **2**].

Kenya: Lake Naivasha: Cottrell, G. William: MCZ: 11 [11 - **11** - **11**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 2 [2 - **2** - **2**].
Uganda: Toro: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1958: 16

2 July 1958

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 11 [11 - **11** - **11**].

Total Specimens for 2 July 1958: 11

3 July 1958

Tunisia: Nabeul: Marinkelle, Cornelis Johannes: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 3 July 1958: 11

4 July 1958

Congo (Democratic Republic of the): Unknown locality: Jans, E.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 4 July 1958: 2

5 July 1958

Uganda: Entebbe: Cottrell, G. William: MCZ: 7 [7 - **7** - **7**].

Total Specimens for 5 July 1958: 7

6 July 1958

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - Nachingwea: Harrison, David Lakin: ROM: 1 [1 - **1** - **2**].

Total Specimens for 6 July 1958: 2

7 July 1958

Tanzania: Kilwa: Harrison, David Lakin: ROM: 2 [2 - **2** - **2**].
Uganda: Mubende: Cottrell, G. William: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 7 July 1958: 4

8 July 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1**] - Lwiro: Rahm, Uwe: RMCA: 1 [1 - **1** - **2**].
Egypt: Gizeh: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 8 July 1958: 8

10 July 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Kenya: Kakamega Forest: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1958: 2

11 July 1958

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Lake Naivasha: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].
Tanzania: Lindi region: ?: Collector Unknown: SMF: 3 [3 - **3**] - Mararenge: Harrison, David Lakin: ROM: 2 [2 - **2** - **5**].

Total Specimens for 11 July 1958: 7

12 July 1958

Congo (Democratic Republic of the): Kalimabenge river: Marlier, Georges: RMCA: 1 [1 - **1** - **1**].
South Africa: Makapansgat, Historic Cave: Holloway, Geoffrey: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1958: 2

14 July 1958

Uganda: Katwe: Greenberg, Stuart N.: CAS: 1 [1 - **1**] - Mweya: Cottrell, G. William: MCZ: 4 [4 - **4** - **5**].

Total Specimens for 14 July 1958: 5

15 July 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Kenya: South Kinangop plateau: ?: Collector Unknown: CAS: 3 [3 - **3** - **3**].

Total Specimens for 15 July 1958: 4

18 July 1958

Tunisia: Gabès: Marinkelle, Cornelis Johannes: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 July 1958: 2

20 July 1958

Kenya: Lake Magadi, near: Train, R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1958: 1

21 July 1958

Kenya: Lake Magadi, near: Train, R.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 21 July 1958: 2

22 July 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 2 [2 - **2** - **2**].
Kenya: Lake Magadi, 3 mi E: Train, R.: USNM: 3 [3 - **3**] - Molo river: Greenberg, Stuart N.: CAS: 1 [1 - **1** - **4**].

Total Specimens for 22 July 1958: 6

23 July 1958

Congo (Democratic Republic of the): Mufunga: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].
Kenya: Lake Magadi, near: Train, R.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 23 July 1958: 3

24 July 1958

Kenya: Lake Magadi, near: Train, R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1958: 1

28 July 1958

Kenya: Menengai Crater, Mengengai cave: Rawlins, K.: MCZ: 6 [6 - **6** - **6**].

Total Specimens for 28 July 1958: 6

29 July 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1958: 1

1 August 1958

Angola: Dundo Lundo: de Barros Machado, A.: BMNH: 1 [1 - **1** - **1**].
Kenya: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Karura Forest: Fleetwood, J.D.L.: HZM: 1 [1 - **1**] - Kitale, 25 mi NW: Harrison, David Lakin: SMF: 2 [2 - **2**] - Lake Naivasha: ?: Collector Unknown: CAS: 1 [1 - **1** - **6**].
Somalia: Hargeisa: ?: Collector Unknown: CAS: 3 [3 - **3** - **3**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].
Uganda: Murchinson Falls: ?: Collector Unknown: CAS: 2 [2 - **2** - **2**].

Total Specimens for 1 August 1958: 13

2 August 1958

Kenya: Kitale, 25 mi [=40 km] NW: ?: Collector Unknown: CAS: 3 [3 - **3** - **3**].
South Africa: Xingomeni: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1958: 4

4 August 1958

Kenya: Nakuru: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1958: 1

7 August 1958

Tanzania: Kilwa: Harrison, David Lakin: SMF: 2 [2 - **2** - **2**].

Total Specimens for 7 August 1958: 2

9 August 1958

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1958: 1

10 August 1958

Somalia: Hargeisa: ?: Collector Unknown: CAS: 5 [5 - **5** - **5**].

Total Specimens for 10 August 1958: 5

12 August 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1958: 1

13 August 1958

Congo (Democratic Republic of the): Unknown locality: N'Kele: RMCA: 1 [1 - **1**] - Butembo: Dyleff, P.: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 13 August 1958: 3

14 August 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1958: 1

15 August 1958

Kenya: Nakuru: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].
Tanzania: Kilwa: Harrison, David Lakin: ROM: 2 [2 - **2** - **2**].

Total Specimens for 15 August 1958: 3

16 August 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
South Africa: Skukuza River Bank Rondawels: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1** - **1**].
Tunisia: Sfax: Marinkelle, Cornelis Johannes: FMNH: 3 [3 - **3** - **3**].
Zimbabwe: Ingwesi Ranch: Stuart Irwin, M.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1958: 6

18 August 1958

Kenya: Nairobi: ?: Collector Unknown: CAS: 1 [1]; Greenberg, Stuart N.: CAS: 1 [1 - **2** - **2**].

Total Specimens for 18 August 1958: 2

19 August 1958

Kenya: Kakamega: Fleetwood, J.D.L.: HZM: 1 [1 - **1** - **1**].

Tanzania: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1958: 2

20 August 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1958: 1

21 August 1958

Tunisia: Tunis: Marinkelle, Cornelis Johannes: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 21 August 1958: 9

27 August 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Kenya: Kitale, 25 mi [=40 km] NW: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1958: 2

31 August 1958

Congo (Democratic Republic of the): Defrenne cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **2**].
Kenya: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Nakuru: ?: Collector Unknown: CAS: 1 [1 - **1**] - Rongai: ?: Collector Unknown: CAS: 1 [1 - **1** - **4**].

Total Specimens for 31 August 1958: 6

1 September 1958

Burundi: Rubindi: Leleup, Narcisse: RMCA: 4 [4 - **4** - **4**].
Senegal: Richard Toll: Roux, Francis: MNHN: 1 [1 - **1** - **1**].
Somalia: Afgoi: Sammicheli, A.: MZUF: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 September 1958: 8

4 September 1958

Kenya: Lake Naivasha: ?: Collector Unknown: CAS: 7 [7 - **7** - **7**].

Total Specimens for 4 September 1958: 7

5 September 1958

South Africa: Skukuza: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1958: 1

10 September 1958

Kenya: Molo: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].
Tanzania: Madaba: Harrison, David Lakin: SMF: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1958: 2

13 September 1958

Uganda: Bwamba Forest: Martin, Peter: LACM: 1 [1 - **1** - **1**].

Total Specimens for 13 September 1958: 1

14 September 1958

Kenya: Magadi, near: ?: Collector Unknown: CAS: 2 [2 - **2** - **2**].

Total Specimens for 14 September 1958: 2

17 September 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 17 September 1958: 2

29 September 1958

Zambia: Abercorn: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1958: 1

1 October 1958

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1958: 2

7 October 1958

Nigeria: Sokoto: Swire, Pamela: HZM: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1958: 1

9 October 1958

Congo (Democratic Republic of the): Mabali: Rahm, Uwe: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 9 October 1958: 2

13 October 1958

Nigeria: Sokoto: Swire, Pamela: HZM: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1958: 1

15 October 1958

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 October 1958: 1

19 October 1958

Tanzania: Nachingwea: Rees, A.F.: HZM: 6 [6 - **6** - **6**].

Total Specimens for 19 October 1958: 6

22 October 1958

South Africa: Machindzweni: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1958: 1

27 October 1958

Kenya: Loiyangalani, 29 mi N: Paulson, Dennis R.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1958: 1

29 October 1958

Congo (Democratic Republic of the): Mabali: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1958: 1

1 November 1958

Nigeria: Sokoto: Swire, Pamela: HZM: 1 [1 - **1** - **1**].
South Africa: Grahamstown: Ewer, R.F.; Churcher, C.S.: ROM: 1 [1 - **1** - **1**].
Tanzania: Liwale: Ionides, Constantine J.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1958: 3

6 November 1958

Congo (Democratic Republic of the): Kakontwe cave: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 6 November 1958: 2

9 November 1958

Tanzania: Liwale: Ionides, Constantine J.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1958: 1

10 November 1958

Ghana: Sogakofe: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1958: 1

14 November 1958

Zambia: Abercorn: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1958: 1

1 December 1958

Congo (Democratic Republic of the): Kakontwe cave: Laurent: RMCA: 1 [1 - **1** - **1**].
Zambia: Abercorn: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1958: 2

2 December 1958

Tanzania: Bagamoyo: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1958: 1

8 December 1958

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1958: 1

12 December 1958

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1958: 1

17 December 1958

Zambia: Kabompo district: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1958: 1

18 December 1958

Egypt: El Qatta: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 December 1958: 2

19 December 1958

Congo (Democratic Republic of the): Mabali: Baer, Jean Georges: MHNG: 1 [1 - **1** - **1**].
South Africa: Lombardy Willows: Crack, I.J.: TM: 2 [2 - **2**] - Sunnyside: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].
Tanzania: Kilosa: Rees, A.F.?: HZM: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1958: 5

24 December 1958

Congo (Democratic Republic of the): Irangi: Leleup, Narcisse: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1958: 1

28 December 1958

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1958: 1

29 December 1958

South Africa: Irene: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1958: 1

30 December 1958

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Zambia: Kabompo [=Kabompo Boma]: Ansell, William Frank Harding: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1958: 2

1 January 1959

Egypt: Gizeh: Kulzer, Edwin: SMF: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 4 [4 - **4** - **4**].

Total Specimens for 1 January 1959: 5

2 January 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1959: 1

9 January 1959

Tanzania: Mahenge: Harrison, David Lakin; Schwartz, A.: KU: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1959: 1

12 January 1959

South Africa: Skurweberg cave: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1959: 1

14 January 1959

Congo (Democratic Republic of the): Kakondo: Rahm, Uwe: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 14 January 1959: 4

17 January 1959

Tanzania: Kilosa: Rees, A.F.?: HZM: 1 [1 - **1**] - Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 17 January 1959: 2

20 January 1959

South Africa: Lessingshoogte: Stebbins, Robert Cyril: MVZ: 2 [2 - **2** - **2**].
Zambia: Manyinga River: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1959: 3

30 January 1959

Congo (Democratic Republic of the): Niambasha: Rahm, Uwe: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 30 January 1959: 4

1 February 1959

Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - Kilosa: ?: Collector Unknown: KU: 1 [1 - **1** - **2**].

Total Specimens for 1 February 1959: 2

6 February 1959

Congo (Democratic Republic of the): Utu: Rahm, Uwe: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 6 February 1959: 2

7 February 1959

Kenya: Barberton Cave: Williams, J.: LACM: 1 [1 - **1** - **1**].
Tanzania: Kichanjane: Rees, A.F.?: HZM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1959: 2

9 February 1959

Tanzania: Mahenge: Rees, A.F.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1959: 1

11 February 1959

Tanzania: Rondo Flat [Forest Reserve]: Ionides, Constantine J.P.: HZM: 2 [2 - **2** - **2**].

Total Specimens for 11 February 1959: 2

13 February 1959

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1959: 1

15 February 1959

Congo (Democratic Republic of the): Alima: Dyleff, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 February 1959: 2

16 February 1959

Namibia: De Valle: Niethammer, Günther: ZFMK: 5 [5 - **5**] - Felseneck/Naukluft: Hoesch, W.: ZFMK: 1 [1 - **1** - **6**].

Total Specimens for 16 February 1959: 6

17 February 1959

Tanzania: Mwasa: Rees, A.F.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1959: 1

18 February 1959

Namibia: Felseneck/Naukluft: Hoesch, W.: ZFMK: 4 [4 - **4** - **4**].

Total Specimens for 18 February 1959: 4

21 February 1959

Congo (Democratic Republic of the): Lwiro: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1959: 1

25 February 1959

South Africa: Skukuza Village: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1959: 1

26 February 1959

South Africa: Nsemani Windmill: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1959: 1

1 March 1959

Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 March 1959: 2

2 March 1959

Congo (Democratic Republic of the): Uvira: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1959: 1

3 March 1959

Zambia: Balovale: Ansell, William Frank Harding: BMNH: 2 [2 - **2**] - Chavuma Area: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **3**].

Total Specimens for 3 March 1959: 3

5 March 1959

Congo (Democratic Republic of the): Alima: Dyleff, P.: RMCA: 1 [1 - **1**] - Uvira: Rahm, Uwe: RMCA: 1 [1 - **1** - **2**].
Uganda: Moruita: Brooks, A.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1959: 3

10 March 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].
South Africa: Mariepskop: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 12 [12 - **12** - **12**].

Total Specimens for 10 March 1959: 14

12 March 1959

Congo (Democratic Republic of the): Kabira: Rahm, Uwe: RMCA: 1 [1 - **1**] - Mwanda: Rahm, Uwe: RMCA: 3 [3 - **3** - **4**].

Total Specimens for 12 March 1959: 4

14 March 1959

Tunisia: Cartago: Roer, Hubert: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 14 March 1959: 3

15 March 1959

Congo (Democratic Republic of the): Kabira: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].
Tunisia: Cartago: Roer, Hubert: ZFMK: 5 [5 - **5** - **5**].

Total Specimens for 15 March 1959: 6

16 March 1959

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 16 March 1959: 9

17 March 1959

South Africa: Bishopstowe cave: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1959: 1

18 March 1959

Tanzania: Moshi: Harrison, David Lakin: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1959: 1

19 March 1959

Congo (Democratic Republic of the): Kabira: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 March 1959: 1

20 March 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1959: 1

25 March 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: USNM: 8 [8 - **8**] - Abu Rawash, 2 km N: Hoogstraal, Harry H.: FMNH: 14 [14 - **14** - **22**].

Total Specimens for 25 March 1959: 22

26 March 1959

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 26 March 1959: 6

27 March 1959

Congo (Democratic Republic of the): Murambi: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 27 March 1959: 3

30 March 1959

Tanzania: Nachingwea: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1959: 1

31 March 1959

Zambia: Kabompo Boma: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1959: 1

1 April 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: USNM: 2 [2 - **2**] - Abu Rawash, 2 km N: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **3**].
Nigeria: Sokoto: Swin: HZM: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - Lindi region: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].

Total Specimens for 1 April 1959: 7

2 April 1959

South Africa: Skukuza staff village: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1959: 1

7 April 1959

Congo (Democratic Republic of the): Lwiro: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1959: 1

8 April 1959

Congo (Democratic Republic of the): Lwiro: Rahm, Uwe: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 8 April 1959: 2

12 April 1959

South Africa: Underberg, Trout hatchery: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1959: 1

15 April 1959

Egypt: Abu Rawash: Roer, Hubert: NMP: 1, ZFMK: 24 [25 - **25** - **25**].

Total Specimens for 15 April 1959: 25

22 April 1959

Congo (Democratic Republic of the): Kakanda cave: Anciaux de Faveaux, Félix / Michel: RMCA: 35 [35 - **35** - **35**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 6, USNM: 3 [9 - **9** - **9**].

Total Specimens for 22 April 1959: 44

25 April 1959

Congo (Democratic Republic of the): Bokalakala: N'Kele: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 25 April 1959: 6

28 April 1959

Egypt: El Guan: Hoogstraal, Harry H.: USNM: 6 [6 - **6**] - El Sheikh Salem: Hoogstraal, Harry H.: FMNH: 12 [12 - **12** - **18**].

Total Specimens for 28 April 1959: 18

29 April 1959

Congo (Democratic Republic of the): Uvira: Rahm, Uwe: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 29 April 1959: 2

1 May 1959

Congo (Democratic Republic of the): Mulonga cave: Anciaux de Faveaux, Félix / Michel: RMCA: 5 [5 - **5** - **5**].
Zambia: Kabompo Boma: Ansell, William Frank Harding: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1959: 6

2 May 1959

Congo (Democratic Republic of the): Mpopola cave: Anciaux de Faveaux, Félix / Michel: RMCA: 12 [12 - **12**] - Uvira: Rahm, Uwe: RMCA: 2 [2 - **2** - **14**].

Total Specimens for 2 May 1959: 14

6 May 1959

Congo (Democratic Republic of the): Nkene: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1959: 1

7 May 1959

Tanzania: Igalula: Rees, A.F.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1959: 1

8 May 1959

Congo (Democratic Republic of the): Bokalakala: N'Kele: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8** - **8**].

Tanzania: Ingalala: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1959: 10

9 May 1959

South Africa: Skukuza Koppies: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1959: 1

10 May 1959

Namibia: Swakopmund: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1959: 1

12 May 1959

Kenya: Nairobi: : SMF: 1 [1]; Harrison, David Lakin: HNHM: 1 [1]; Williams, John George: LACM: 1 [1 - **3** - **3**].

Total Specimens for 12 May 1959: 3

13 May 1959

Zambia: Kafue Gorge: Ansell, William Frank Harding: HZM: 11, RMCA: 2 [13 - **13**] - Kafue Gorge, near: Ansell, William Frank Harding: BMNH: 2 [2 - **2** - **15**].

Total Specimens for 13 May 1959: 15

15 May 1959

South Africa: Skukuza Koppies: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 3 [3 - **3** - **3**].

Total Specimens for 15 May 1959: 3

16 May 1959

Tanzania: Unknown locality: Colley, W.: SMF: 2 [2 - **2**] - Moshi: Colley, W.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 16 May 1959: 3

19 May 1959

Namibia: Rooibank: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1959: 1

20 May 1959

Congo (Democratic Republic of the): Mwadingusha: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 20 May 1959: 2

22 May 1959

Kenya: Kiambu: Williams, J.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1959: 1

25 May 1959

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1959: 1

27 May 1959

Kenya: Nyamindi: Vickers, M.E.H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1959: 1

1 June 1959

Egypt: Gizeh: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Kenya: Lake Elementeita: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1959: 3

2 June 1959

Zambia: Kabompo Boma: Ansell, William Frank Harding: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1959: 1

8 June 1959

South Africa: N'Wambu Windmill: Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: KNP: 2 [2 - **2** - **2**].

Total Specimens for 8 June 1959: 2

9 June 1959

Egypt: Giza Pyramids: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 9 June 1959: 1

12 June 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 4, USNM: 2 [6 - **6** - **6**].

Total Specimens for 12 June 1959: 6

13 June 1959

South Africa: Mahlangeni: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1959: 1

14 June 1959

Zambia: Chingi: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1959: 1

15 June 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 9, USNM: 1 [10 - **10** - **10**].
Tanzania: Kalambo Falls: Holliday, C.S.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1959: 11

16 June 1959

South Africa: Byaxixi: Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1959: 1

20 June 1959

Congo (Democratic Republic of the): Bushushu: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1959: 1

21 June 1959

Congo (Democratic Republic of the): Defrenne cave: Anciaux de Faveaux, Félix / Michel: RMCA: 107 [107 - **107** - **107**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 21 June 1959: 110

22 June 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 7, USNM: 2 [9 - **9**] - Gizeh: Hoogstraal, Harry H.: FMNH: 3, USNM: 1 [4 - **4**] - Sultan Hassan Mosque: Hoogstraal, Harry H.: FMNH: 7 [7 - **7** - **20**].

Total Specimens for 22 June 1959: 20

23 June 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 June 1959: 2

26 June 1959

Congo (Democratic Republic of the): Bushushu: Rahm, Uwe: RMCA: 1 [1 - **1**] - Gemena: Jacobs: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 26 June 1959: 2

30 June 1959

South Africa: Ndumo Police Post: Dixon, J.; Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1959: 1

1 July 1959

Congo (Democratic Republic of the): Kalumbu cave: Anciaux de Faveaux, Félix / Michel: RMCA: 3 [3 - **3** - **3**].
Kenya: Kakamega Forest: Williams, John George: ROM: 1 [1 - **1** - **1**].
South Africa: Pretoriuskop Rest Camp: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 4 [4 - **4** - **4**].

Total Specimens for 1 July 1959: 8

2 July 1959

South Africa: Skukuza: Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1959: 1

5 July 1959

Congo (Democratic Republic of the): Omaniumdu: Laurent: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Ghibbey valley: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1959: 2

9 July 1959

Tanzania: Tabora: ?: Collector Unknown: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1959: 1

10 July 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1959: 1

12 July 1959

South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: Copley, R.B.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 12 July 1959: 2

13 July 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1959: 1

14 July 1959

South Africa: Punda Maria: Van De Merwe, P.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1959: 1

16 July 1959

Ethiopia: Robi: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1959: 1

21 July 1959

South Africa: Kaggasmoudt: ?: Collector Unknown: NM: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1959: 1

24 July 1959

Egypt: Old Cairo: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
South Africa: Skukuza: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 1 [1 - **1** - **1**].
Zambia: Kasompe camp: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1959: 3

25 July 1959

Congo (Democratic Republic of the): Kasongo: Segers; Benoit Mission: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1959: 1

27 July 1959

Congo (Democratic Republic of the): Omaniumdu: Laurent: RMCA: 3 [3 - **3** - **3**].
Sudan: Khartoum: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1959: 4

1 August 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2, USNM: 1 [3 - **3** - **3**].
South Africa: Xingomeni: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - Bukoba: Laurent: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 1 August 1959: 6

2 August 1959

South Africa: Xingomeni: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 2 [2 - **2** - **2**].

Total Specimens for 2 August 1959: 2

3 August 1959

South Africa: N'Wambiya Pan: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1959: 1

5 August 1959

Egypt: Marsa Matruh, 20 mi W: Hoogstraal, Harry H.: FMNH: 9, USNM: 5 [14 - **14** - **14**].
South Africa: N'Wambiya Pan: Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1959: 15

7 August 1959

South Africa: Tshokwane: Pienaar, Uys de Villiers; Brynard, A.M.; Kloppers, J.J.: KNP: 3 [3 - **3** - **3**].

Total Specimens for 7 August 1959: 3

8 August 1959

Somalia: Afgoi: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].
South Africa: Tshokwane: Pienaar, Uys de Villiers; Brynard, A.M.; Kloppers, J.J.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1959: 2

9 August 1959

Somalia: Pozzi di Mahas: Sammicheli, A.: MZUF: 1 [1 - **1** - **1**].
South Africa: Pafuri area: Pienaar, Uys de Villiers; Stegmann, D.O.; Fairall, N.: KNP: 3 [3 - **3** - **3**].

Total Specimens for 9 August 1959: 4

10 August 1959

South Africa: Punda Maria Rest Camp: Pienaar, Uys de Villiers; Stegmann, D.O.; Fairall, N.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1959: 1

11 August 1959

Tanzania: Kiraboga: Harrison, David Lakin: SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1959: 1

13 August 1959

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - Old Cairo: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **3**].
Somalia: El-Bur: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 13 August 1959: 6

17 August 1959

Egypt: Old Cairo: Hoogstraal, Harry H.: FMNH: 13, USNM: 8 [21 - **21** - **21**].
Kenya: Nakuru: : SMF: 1 [1 - **1** - **1**].
Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1959: 23

20 August 1959

Somalia: El Bur to El Der, road between: ?: Collector Unknown: TM: 2 [2 - **2**] - El-Bur: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

Total Specimens for 20 August 1959: 3

21 August 1959

Congo (Democratic Republic of the): Irangi: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1959: 1

23 August 1959

Congo (Democratic Republic of the): Kasongo: Segers; Benoit Mission: RMCA: 2 [2 - **2**] - Mwanakusu cave: Segers; Benoit Mission: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 23 August 1959: 3

24 August 1959

Congo (Democratic Republic of the): Irangi: Rahm, Uwe: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 24 August 1959: 4

25 August 1959

South Africa: Ntswiriri Dam: Pienaar, Uys de Villiers; Brynard, A.M.; Kloppers, J.J.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1959: 1

28 August 1959

Congo (Democratic Republic of the): Mwanakusu cave: Segers; Benoit Mission: RMCA: 2 [2 - **2** - **2**].
Tanzania: Grumetti: Loomis, Henry: AMNH: 3 [3 - **3**] - Ikoma: Loomis, Henry: AMNH: 1 [1 - **1** - **4**].

Total Specimens for 28 August 1959: 6

1 September 1959

Congo (Democratic Republic of the): Kasongo: Benoit: RMCA: 1 [1 - **1**] - Mwanakusu cave: Benoit: RMCA: 1 [1 - **1** - **2**].
Equatorial Guinea: Bioko Island: Basilio, Aurelio: AMNH: 1 [1 - **1** - **1**].
Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: De Hoop, wildproefplaats: Smit, H.A.W.: ZMA: 3 [3 - **3**] - Skukuza Staff Village: Pienaar, Uys de Villiers; Brynard, A.M.; M.O.S.: KNP: 3 [3 - **3** - **6**].

South Sudan: Amadi: ?: Collector Unknown: ZMUC: 3 [3 - **3** - **3**].

Total Specimens for 1 September 1959: 13

2 September 1959

Egypt: Maadi: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1959: 1

3 September 1959

South Africa: Pretoriuskop: Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1959: 1

4 September 1959

Somalia: Gelib: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].
South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1959: 2

5 September 1959

Somalia: Genale: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1959: 1

6 September 1959

Somalia: Genale: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1959: 1

7 September 1959

Kenya: Langata: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 September 1959: 1

14 September 1959

Congo (Democratic Republic of the): Matupi Cave: Wright, A.E.; Cambridge Africa Expedition 1959, The: BMNH: 3 [3 - **3** - **3**].
Kenya: Langata forest: Browl, D.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1959: 4

16 September 1959

Congo (Democratic Republic of the): Irangi: Rahm, Uwe: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1959: 1

17 September 1959

Congo (Democratic Republic of the): Mwanakusu: Segers; Benoit Mission: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 17 September 1959: 4

18 September 1959

Kenya: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1959: 1

20 September 1959

Somalia: Afgoi: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].
South Africa: Scottburgh: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 20 September 1959: 3

22 September 1959

Congo (Democratic Republic of the): Kasongo Samba: Segers; Benoit Mission: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1959: 1

23 September 1959

Congo (Democratic Republic of the): Alima: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Egypt: Mersa Matruh, near: Hoogstraal, Harry H.: USNM: 38 [38 - **38**] - Zawyet Umm el Rakham, 0.5 mi from: Hoogstraal, Harry H.: FMNH: 76 [76 - **76** - **114**].

Total Specimens for 23 September 1959: 115

25 September 1959

Kenya: Kakamega: Ionides, Constantine J.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 25 September 1959: 1

27 September 1959

Egypt: Maadi: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1959: 1

1 October 1959

Kenya: Londiani: Browl, D.: MSU: 2 [2 - **2** - **2**].

Total Specimens for 1 October 1959: 2

2 October 1959

Ethiopia: Woliso: Allison, F.R.: HZM: 1 [1 - **1** - **1**].
South Africa: Ndumo Police Post: Dixon, J.; Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1959: 2

5 October 1959

South Africa: Shingwedzi: Fairall, N.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 5 October 1959: 1

11 October 1959

Ethiopia: Gondar: Ward, C?: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1959: 1

13 October 1959

Congo (Democratic Republic of the): Bokalakala: N'Kele: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1959: 1

14 October 1959

Ethiopia: Woliso: Allison, F.R.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1959: 1

20 October 1959

South Africa: Ndumo Police Post: Dixon, J.; Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1959: 1

22 October 1959

South Africa: Munywini Cave: Pienaar, Uys de Villiers; Brynard, A.M.; Kloppers, J.J.: KNP: 3 [3 - **3** - **3**].

Total Specimens for 22 October 1959: 3

23 October 1959

Congo (Democratic Republic of the): Bokalakala: N'Kele: RMCA: 1 [1 - **1**] - Kasongo: Segers; Benoit Mission: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 23 October 1959: 2

30 October 1959

Uganda: Mweya: Poppleton, F.: HZM: 2 [2 - **2** - **2**].

Total Specimens for 30 October 1959: 2

1 November 1959

Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1959: 1

8 November 1959

Guinea: Balouma: Roche, Jean: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1959: 1

10 November 1959

South Africa: Shingwedzi camp: Pienaar, Uys de Villiers: KNP: 2 [2 - **2**] - Xingwedzi Rest Camp: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **3**].

Total Specimens for 10 November 1959: 3

11 November 1959

Congo (Democratic Republic of the): Mwela-Panda cave: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1959: 1

13 November 1959

Congo (Democratic Republic of the): Kasongo: Segers; Benoit Mission: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 13 November 1959: 5

14 November 1959

South Africa: Tshokwane: Kloppers, J.J.: KNP: 1 [1 - **1** - **1**].
Zambia: Kabompo [=Kabompo Boma]: Ansell, William Frank Harding: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1959: 2

16 November 1959

Nigeria: Ibadan University College: Sibley, Fred C.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1959: 1

18 November 1959

Congo (Democratic Republic of the): Bokalakala: N'Kele: RMCA: 1 [1 - **1** - **1**].
Nigeria: Ibadan University College: Sibley, Fred C.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1959: 2

20 November 1959

Nigeria: Ibadan University College: Sibley, Fred C.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1959: 1

21 November 1959

Nigeria: Ibadan University College: Sibley, Fred C.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1959: 1

27 November 1959

Zambia: Kabompo Boma: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1959: 1

30 November 1959

Tanzania: Bagamoyo: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1959: 1

1 December 1959

Kenya: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 1 December 1959: 2

2 December 1959

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1959: 1

4 December 1959

Nigeria: Ibadan University College: Sibley, Fred C.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1959: 1

5 December 1959

Congo (Democratic Republic of the): Mwela-Panda cave: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1959: 1

6 December 1959

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2**] - Mwela-Panda cave: ?: Collector Unknown: RBINS: 10 [10 - **10**] - Tenke: ?: Collector Unknown: RBINS: 1 [1 - **1** - **13**].
Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 9 [9 - **9** - **9**].

Total Specimens for 6 December 1959: 22

8 December 1959

Ethiopia: Gondar: Ward, C?: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1959: 1

16 December 1959

Congo (Democratic Republic of the): Jadotville: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Rambira: Rahm, Uwe: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 16 December 1959: 3

17 December 1959

South Africa: Tshokwane: Kloppers, J.J.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1959: 1

18 December 1959

Congo (Democratic Republic of the): Jadotville: ?: Collector Unknown: RBINS: 1 [1]; Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **2** - **2**].

Guinea: Sérédou: Roche, Jean: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1959: 3

20 December 1959

South Africa: Nsemani Windmill: Pienaar, Uys de Villiers; O.P.: KNP: 1 [1 - **1**] - Satara Rest Camp: Pienaar, Uys de Villiers; O.P.: KNP: 1 [1 - **1** - **2**].

Total Specimens for 20 December 1959: 2

27 December 1959

Congo (Democratic Republic of the): Mulungwishi: ?: Collector Unknown: RBINS: 11 [11 - **11** - **11**].
Tanzania: Newala: Ionides, Constantine J.P.: HZM: 3 [3 - **3**] - Tambi: ?: Collector Unknown: LACM: 1 [1 - **1** - **4**].

Total Specimens for 27 December 1959: 15

28 December 1959

South Africa: Harrismith: Seete, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1959: 1

30 December 1959

South Africa: Harrismith: ?: Collector Unknown: TM: 1 [1 - **1**] - Harrismith district: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 30 December 1959: 2

1 January 1960

Congo (Democratic Republic of the): Tshuapa district: Lootens, P.: RMCA: 19 [19 - **19** - **19**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 5 [5 - **5** - **5**].
Gabon: Makokou, near: Saint-Girons, Marie-Charlotte: ZMA: 1 [1 - **1** - **1**].
Nigeria: Ogoja County: Meyer, R.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1960: 26

3 January 1960

Kenya: Songhor: Ellis, W.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1960: 1

6 January 1960

South Africa: Hartbees Fontein Camp: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1960: 1

8 January 1960

South Africa: Punda Maria Rest Camp: Pienaar, Uys de Villiers: KNP: 3 [3 - **3** - **3**].

Total Specimens for 8 January 1960: 3

14 January 1960

Congo (Democratic Republic of the): Idjwi, Island: Rahm, Uwe: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 January 1960: 2

21 January 1960

South Africa: Pretoriuskop Rest Camp: Pienaar, Uys de Villiers: KNP: 2 [2 - **2** - **2**].
Tanzania: Lembeni: Andersen: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1960: 3

23 January 1960

Tanzania: Mtwara region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1960: 1

30 January 1960

South Africa: Girivana Cave: G.M.A.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].
Tanzania: Newala: Harrison, David Lakin: ROM: 2 [2 - **2** - **2**].

Total Specimens for 30 January 1960: 3

1 February 1960

Congo (Democratic Republic of the): Kasongo Baza: Faber: RMCA: 1 [1 - **1** - **1**].
South Sudan: Mongalla: Archer, T.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1960: 2

3 February 1960

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1960: 1

6 February 1960

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1960: 1

8 February 1960

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 8 February 1960: 5

9 February 1960

Rwanda: Gabiro: I.P.N.C.: RMCA: 52 [52 - **52** - **52**].

Total Specimens for 9 February 1960: 52

12 February 1960

Congo (Democratic Republic of the): Alima: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1960: 1

14 February 1960

Cameroon: Nyasoso: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1960: 1

16 February 1960

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2, USNM: 1 [3 - **3** - **3**].

Total Specimens for 16 February 1960: 3

24 February 1960

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1960: 1

25 February 1960

Tanzania: Isongo: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1960: 1

26 February 1960

Egypt: Cairo, 5 km E: Hoogstraal, Harry H.: FMNH: 4, USNM: 2 [6 - **6** - **6**].

Total Specimens for 26 February 1960: 6

28 February 1960

Tanzania: Isongo: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1960: 1

1 March 1960

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 1 March 1960: 4

8 March 1960

Egypt: Abu Rawash: Hoogstraal, Harry H.: USNM: 4 [4 - **4** - **4**].
South Africa: Nqutu: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1960: 5

10 March 1960

Nigeria: Abeotuka: Brown: HZM: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1960: 1

14 March 1960

Congo (Democratic Republic of the): Kitutu: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Nigeria: Abeokuta: Brown, G.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1960: 2

15 March 1960

Congo (Democratic Republic of the): Mulolo: Rahm, Uwe: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1960: 1

17 March 1960

South Africa: Letaba Restcamp: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].
Tanzania: Lembeni: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1960: 2

18 March 1960

Congo (Democratic Republic of the): Mulolo-Kisanga: Rahm, Uwe: BMNH: 1 [1 - **1** - **1**].
Tanzania: Lembeni: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1960: 2

21 March 1960

Tanzania: Lembeni: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 21 March 1960: 1

23 March 1960

South Africa: Punda Malia: ?: Collector Unknown: TM: 2 [2 - **2**] - Punda Milia Camp: Brain, C.K.: TM: 1 [1 - **1** - **3**].

Total Specimens for 23 March 1960: 3

24 March 1960

South Africa: Punda Maria: Pienaar, Uys de Villiers; Brain, C.K.: KNP: 2 [2 - **2**] - Punda Milia Camp: ?: Collector Unknown: TM: 3 [3 - **3**] - Punda Milia Police post: ?: Collector Unknown: TM: 2 [2 - **2** - **7**].

Total Specimens for 24 March 1960: 7

25 March 1960

South Africa: Satara Rest Camp: G.M.A.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1960: 1

27 March 1960

South Africa: Punda Milia Camp: Brain, C.K.: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1960: 1

29 March 1960

South Africa: Matlepits Valley: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1960: 1

31 March 1960

Uganda: Moroto: Brooks, A.C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1960: 1

1 April 1960

Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1960: 1

2 April 1960

Congo (Democratic Republic of the): Albertville: Verhoustraete, G.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1960: 1

4 April 1960

Congo (Democratic Republic of the): Jadotville: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1960: 1

15 April 1960

Nigeria: Ibadan: David: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1960: 1

18 April 1960

Tanzania: Lembeni: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1960: 1

20 April 1960

Kenya: Kilifi: Walker, B.: CAS: 1 [1 - **1** - **1**].
South Africa: Scottburgh: ?: Collector Unknown: DNSM: 9 [9 - **9** - **9**].

Total Specimens for 20 April 1960: 10

22 April 1960

Congo (Democratic Republic of the): Kisanga: Rahm, Uwe: BMNH: 2 [2 - **2** - **2**].
South Africa: Gorge Restcamp: G.M.A.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1960: 3

23 April 1960

Tanzania: Lembeni: Andersen: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1960: 1

25 April 1960

Congo (Democratic Republic of the): Kisanga: Rahm, Uwe: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1960: 1

27 April 1960

Kenya: Rumuruti: Walker, B.: CAS: 1 [1 - **1**] - Rumuruti, 40 mi N: Western New Mexico University: FMNH: 1 [1 - **1** - **2**].
Tanzania: Lembeni: Andersen, Th.: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 27 April 1960: 4

1 May 1960

Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1960: 1

2 May 1960

Tanzania: Lembeni: Andersen: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 2 May 1960: 3

3 May 1960

Tanzania: Kilosa: Harrison, David Lakin: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 May 1960: 2

5 May 1960

Zimbabwe: Sentinel Ranch: R.S.E.S: HZM: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1960: 1

10 May 1960

Kenya: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Karen: ?: Collector Unknown: FMNH: 1, WNMU: 1 [2]; Browl, D.: MSU: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **4**] - Karen, near: Walker, B.: CAS: 1 [1 - **1** - **7**].

Total Specimens for 10 May 1960: 7

11 May 1960

Tanzania: Lembeni: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1960: 1

15 May 1960

Tunisia: El Haouaria cave: Muller, H.P.: ZMA: 1 [1]; Nagel; Schubert; Vesmanis, Indulis Evalds: SMF: 17 [17 - **18**] - Nabeul governorate: ?: Collector Unknown: SMF: 12 [12 - **12** - **30**].

Total Specimens for 15 May 1960: 30

16 May 1960

Kenya: Karen: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1960: 1

17 May 1960

Congo (Democratic Republic of the): Kamikoni: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1960: 1

21 May 1960

Nigeria: Pategi: Sibley, Fred C.: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 21 May 1960: 4

22 May 1960

Kenya: Rumuruti: Glen, Robert M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1960: 1

23 May 1960

Uganda: Mbarara: Brooks, A.C.; Mills, J.R.F.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1960: 1

25 May 1960

Congo: Kila N'Tari cave: ?: Collector Unknown: MNHN: 1 [1]; Taufflieb, R.: MNHN: 1 [1 - **2** - **2**].
Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1960: 3

30 May 1960

South Africa: Matupa Koppie: Pienaar, Uys de Villiers: KNP: 3 [3 - **3**] - Pretoriuskop Section: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **4**].
Tanzania: Kidodi: Harrison, David Lakin: SMF: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1960: 5

1 June 1960

Congo (Democratic Republic of the): Kipopo: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Kenya: Central [former] province: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].
Madagascar: Lac Alaotra, near: Smit, H.A.W.: ZMA: 2 [2 - **2** - **2**].
Namibia: Marienthal: Rau, R.: SMF: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: Van Barneveld, H.W.P.: RMNH: 5 [5 - **5**] - Bagamoyo: Van Barneveld, H.W.P.: RMNH: 6 [6 - **6** - **11**].

Total Specimens for 1 June 1960: 19

2 June 1960

Zimbabwe: Sentinel Ranch: R.S.E.S: HZM: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1960: 1

4 June 1960

Congo (Democratic Republic of the): Dethiox caves: Anciaux de Faveaux, Félix / Michel: SMF: 10 [10 - **10**] - Detioux Cave: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - Mulungwishi: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Tantara cave: ?: Collector Unknown: RBINS: 8 [8 - **8** - **20**].

Total Specimens for 4 June 1960: 20

5 June 1960

South Africa: Mbangari Crevice: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1960: 1

11 June 1960

Congo (Democratic Republic of the): Kalomoni cave: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3**] - Salomoni cave: ?: Collector Unknown: RBINS: 5 [5 - **5** - **9**].

Total Specimens for 11 June 1960: 9

13 June 1960

Kenya: Galma Galla, 1.5 mi W: Pine, R.H.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 13 June 1960: 3

18 June 1960

Kenya: Ijara, 2.5 mi SW: Blagden, H.H.: AMNH: 1 [1 - **1**] - Ijara, 4.5 mi SW: Pine, R.H.: AMNH: 5 [5 - **5** - **6**].
Zimbabwe: Umtali: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1960: 7

19 June 1960

Zimbabwe: Umtali Old Mine: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1960: 1

20 June 1960

Nigeria: Ibadan University College: Sibley, Fred C.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1960: 1

21 June 1960

Kenya: Masabubu: Barrington, F.M.; Pine, R.H.: CM: 1 [1]; Pine, R.H.: AMNH: 2 [2 - **3**] - Masabubu, 0.5 mi. N-NE: Pine, R.H.: AMNH: 1 [1 - **1** - **4**].

Total Specimens for 21 June 1960: 4

22 June 1960

Kenya: Masabubu, 0.5 mi E: Blagden, H.H.: AMNH: 7 [7]; Pine, R.H.: AMNH: 14 [14 - **21** - **21**].

Total Specimens for 22 June 1960: 21

23 June 1960

Kenya: Masabubu, 0.5 mi E: Blagden, H.H.: AMNH: 5 [5 - **5**] - Masabubu, 1.5 mi E: Blagden, H.H.: CM: 1 [1 - **1** - **6**].

Total Specimens for 23 June 1960: 6

24 June 1960

Kenya: Masabubu, 0.5 mi E: Blagden, H.H.: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 24 June 1960: 6

25 June 1960

Kenya: Masabubu: Pine, R.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1960: 1

26 June 1960

Kenya: Masabubu: Pine, R.H.: AMNH: 1 [1 - **1** - **1**].
Tanzania: Kilosa: Rees, A.F.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1960: 2

27 June 1960

Kenya: Masabubu: Pine, R.H.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 27 June 1960: 3

28 June 1960

Congo (Democratic Republic of the): Jadotville: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 4 [4 - **4**] - Salomoni cave: ?: Collector Unknown: RBINS: 4 [4 - **4** - **10**].
Kenya: Masabubu: Blagden, H.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1960: 11

29 June 1960

Kenya: Masabubu: Pine, R.H.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 June 1960: 2

30 June 1960

Kenya: Masabubu: Pine, R.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1960: 1

1 July 1960

South Sudan: Nimule: Betts, A.; Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1960: 1

8 July 1960

Kenya: Kakamega Forest: Williams, John George: ROM: 1 [1 - **1** - **1**].
Tanzania: Soga: Andersen: ZFMK: 2 [2]; Andersen, Th.: ZFMK: 1 [1 - **3** - **3**].

Total Specimens for 8 July 1960: 4

9 July 1960

Tanzania: Soga: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1960: 1

10 July 1960

Tanzania: Soga: Andersen: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1960: 1

11 July 1960

Tanzania: Soga: Andersen: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 11 July 1960: 2

14 July 1960

Tanzania: Soga: Andersen: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1960: 1

16 July 1960

Tanzania: Soga: Andersen: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1960: 1

17 July 1960

Tanzania: Kugulwira: Andersen, Th.: NMBE: 1 [1 - **1**] - Morogoro: Andersen, Th.: ZFMK: 3 [3 - **3** - **4**].

Total Specimens for 17 July 1960: 4

18 July 1960

Zambia: Chilanga: Ansell, William Frank Harding: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1960: 1

19 July 1960

Tanzania: Soga: Andersen: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1960: 1

20 July 1960

Tanzania: Soga: Andersen: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1960: 1

21 July 1960

Tanzania: Kisarawe: Andersen, Th.: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 21 July 1960: 2

23 July 1960

Uganda: Bwamba Forest: Twomey, A.C.: CM: 2 [2 - **2** - **2**].

Total Specimens for 23 July 1960: 2

25 July 1960

Tanzania: Dar es Salaam: Andersen: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 25 July 1960: 3

26 July 1960

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
South Africa: Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Soga: Andersen: ZFMK: 4 [4 - **4** - **4**].

Total Specimens for 26 July 1960: 6

27 July 1960

Tanzania: Soga: Andersen: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 27 July 1960: 2

29 July 1960

Kenya: Mwingi, 10 mi. E: Pine, R.H.: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 29 July 1960: 6

30 July 1960

Tanzania: Soga: Andersen: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1960: 1

1 August 1960

Tanzania: Soga: Andersen, Th.: ZFMK: 4 [4 - **4** - **4**].

Total Specimens for 1 August 1960: 4

2 August 1960

Congo (Democratic Republic of the): Alima: Dyleff, P.: RMCA: 1 [1 - **1**] - Shinkolobwe: Anciaux de Faveaux, Félix / Michel: RBINS: 3, SMF: 2 [5 - **5** - **6**].

Tanzania: Soga: Andersen, Th.: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 2 August 1960: 9

4 August 1960

Tanzania: Soga: Andersen, Th.: NMBE: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1960: 1

5 August 1960

Kenya: Galma Galla, 1 mi W: Pine, R.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1960: 1

7 August 1960

Congo (Democratic Republic of the): Defrenne cave: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2** - **2**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 9, USNM: 5 [14 - **14** - **14**].

Total Specimens for 7 August 1960: 16

9 August 1960

Kenya: Galma Galla, 1 mi W: Pine, R.H.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1960: 1

12 August 1960

Kenya: Galma Galla [waterholes]: Pine, R.H.: AMNH: 6 [6 - **6** - **6**].
South Africa: Xitangeni Windmill: Fairall, N.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1960: 7

17 August 1960

Kenya: Malindi: Pine, R.H.: AMNH: 18 [18 - **18** - **18**].

Total Specimens for 17 August 1960: 18

18 August 1960

Tanzania: Kisarawe: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1960: 1

21 August 1960

Mozambique: Bela Vista: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 21 August 1960: 3

22 August 1960

Tanzania: Mwaya: Conicks: HZM: 1 [1 - **1** - **1**].
Zimbabwe: Fort Cottage: Smit, H.A.W.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1960: 2

24 August 1960

Sierra Leone: Musaia: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1960: 1

31 August 1960

Mozambique: Chimonzo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1960: 1

1 September 1960

Mozambique: Chimonzo: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 September 1960: 2

5 September 1960

Mozambique: Chimonzo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1960: 1

6 September 1960

Tanzania: Kisarawe: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1960: 1

15 September 1960

Tanzania: Morogoro, 20 mi N: Twomey, A.C.: CM: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1960: 1

21 September 1960

Congo (Democratic Republic of the): Kakanda cave: ?: Collector Unknown: RBINS: 6 [6]; Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **8**] - Kondo cave: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2** - **10**].
Liberia: Kpeaple: Himmelheber, Hans: SMF: 4 [4 - **4**] - Tappita: Himmelheber, Hans: SMF: 1 [1 - **1** - **5**].

Total Specimens for 21 September 1960: 15

22 September 1960

Congo (Democratic Republic of the): Kakanda cave: ?: Collector Unknown: RBINS: 1 [1]; Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **3** - **3**].

Total Specimens for 22 September 1960: 3

23 September 1960

Tanzania: Amani: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1960: 1

27 September 1960

Egypt: Zawyet Umm el Rakham, 0.5 mi from: Hoogstraal, Harry H.: FMNH: 82, USNM: 29 [111 - **111** - **111**].
South Africa: Farm Geluk: Nel, D.J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1960: 112

28 September 1960

Kenya: Port Reitz: Corbet, Gordon B.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1960: 1

29 September 1960

Congo (Democratic Republic of the): Kakanda cave: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Tanzania: Kilosa: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1960: 2

7 October 1960

Tanzania: Handajega: Plisnier, J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1960: 1

8 October 1960

Egypt: Zawyet Umm el Rakham, 0.5 mi from: Hoogstraal, Harry H.: FMNH: 22, USNM: 20 [42 - **42** - **42**].

Total Specimens for 8 October 1960: 42

11 October 1960

Egypt: Zawyet Umm el Rakham, 0.5 mi from: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1960: 1

15 October 1960

Malawi: Blantyre: Hanney, Peter W.: NMMB: 1 [1 - **1** - **1**].

Total Specimens for 15 October 1960: 1

21 October 1960

Egypt: Zawyet Umm el Rakham, 0.5 mi from: Hoogstraal, Harry H.: FMNH: 9, USNM: 6 [15 - **15** - **15**].

Total Specimens for 21 October 1960: 15

28 October 1960

Ghana: Kumasi-Dunkwa road: Barry, D.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1960: 1

30 October 1960

Tanzania: Soga: Andersen: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 30 October 1960: 3

1 November 1960

South Africa: Kranskop: White, A.G.;Prozesky, O.P.M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1960: 1

11 November 1960

Malawi: Blantyre, Mandala: Hanney, Peter W.: NMMB: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1960: 1

12 November 1960

Tanzania: Newala: Ionides, Constantine J.P.: HZM: 2 [2 - **2** - **2**].

Total Specimens for 12 November 1960: 2

19 November 1960

Tanzania: Nguru Mountains: Martin, Peter: LACM: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1960: 1

27 November 1960

Uganda: Mweya: Williams, John George: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1960: 1

1 December 1960

South Africa: Hatfield: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Tanzania: Lake Tanganyika, Tanganyika: Williams, John George: ROM: 1 [1 - **1** - **1**].
Uganda: Masindi: Williams, John George: ROM: 5 [5 - **5** - **5**].

Total Specimens for 1 December 1960: 8

3 December 1960

South Africa: Hatfield, Hatfield Primary School: Skelbrin, A.; Wolff, U.: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1960: 1

7 December 1960

South Sudan: Malakal: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1960: 1

11 December 1960

South Africa: Jane Furse Hospital: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1960: 1

12 December 1960

Tanzania: Newala: Ionides, Constantine J.P.: HZM: 1 [1 - **1** - **1**].
Zimbabwe: Umtali Old Mine: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1960: 2

13 December 1960

South Africa: Skukuza: Pienaar, Uys de Villiers: KNP: 4 [4 - **4** - **4**].

Total Specimens for 13 December 1960: 4

14 December 1960

South Sudan: Melut: Hoogstraal, Harry H.; Gabor, S.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1960: 1

16 December 1960

Zambia: Mweru Wantipa: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1960: 1

18 December 1960

South Africa: Hatfield, Hatfield Primary School: Wolff, V.; *et al.*: TM: 1 [1 - **1** - **1**].
South Sudan: Malakal: Hoogstraal, Harry H.: FMNH: 12 [12 - **12** - **12**].

Total Specimens for 18 December 1960: 13

24 December 1960

Nigeria: Ibadan: Sibley, Fred C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1960: 1

29 December 1960

South Africa: Burgers Park: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1960: 1

1 January 1961

Congo (Democratic Republic of the): Léopoldville: Misonne, Xavier: RBINS: 1 [1 - **1** - **1**].
Guinea: Ziéla: Aguesse, P.: MNHN: 1 [1 - **1** - **1**].
South Africa: Tafelberg: : SMF: 6 [6 - **6** - **6**].
South Sudan: Northern District: Hoogstraal, Harry H.: FMNH: 8 [8 - **8** - **8**].
Tanzania: Unknown locality: Gray, M.: MSB: 2 [2 - **2** - **2**].
Uganda: Kampala: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1961: 19

5 January 1961

South Sudan: Niayok: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 5 January 1961: 3

14 January 1961

South Sudan: Niayok: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 14 January 1961: 2

17 January 1961

Congo (Democratic Republic of the): Kakontwa: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - Kakontwe: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 17 January 1961: 2

18 January 1961

Congo (Democratic Republic of the): Butembo: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1961: 1

19 January 1961

South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].
South Sudan: Malakal: Hoogstraal, Harry H.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 19 January 1961: 5

20 January 1961

South Africa: Mkuzi Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1961: 1

22 January 1961

Kenya: Garissa: Martin, Peter: LACM: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1961: 1

23 January 1961

Botswana: Tsane, Camp 8: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].
Kenya: Nairobi: Walker, B.: CAS: 1 [1 - **1** - **1**].
South Sudan: Malakal: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1961: 3

25 January 1961

South Sudan: Malakal: Hoogstraal, Harry H.; Gabor, S.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 January 1961: 2

27 January 1961

South Sudan: Malakal, 4 mi N: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1961: 1

1 February 1961

South Sudan: Malakal: Hoogstraal, Harry H.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 1 February 1961: 10

3 February 1961

Zimbabwe: Greendale: Smithers, Reay Henry Noble: ROM: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1961: 1

13 February 1961

South Africa: W.N.L.A. Garden, Pafuri: Pienaar, Uys de Villiers; Mockford, H.H.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1961: 1

17 February 1961

South Africa: Durban: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Punda Maria: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **4**].

Total Specimens for 17 February 1961: 4

23 February 1961

South Africa: W.N.L.A. Garden, Pafuri: Pienaar, Uys de Villiers; Mockford, H.H.: KNP: 2 [2 - **2** - **2**].

Total Specimens for 23 February 1961: 2

24 February 1961

Botswana: Tsane, Camp 8: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].
Zimbabwe: Fort Cottage: Payne-Smit, H.A.W.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1961: 2

25 February 1961

South Africa: Punda Maria: Pienaar, Uys de Villiers: KNP: 3 [3 - **3** - **3**].

Total Specimens for 25 February 1961: 3

1 March 1961

Malawi: Chileka: Harrison, G: MCZ: 1 [1 - **1** - **1**].
Sudan: Jebel el Azraq: Marrogordato, J.G.: HZM: 9 [9 - **9** - **9**].

Total Specimens for 1 March 1961: 10

6 March 1961

Tunisia: Cartago: Walch, K.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1961: 1

7 March 1961

Sudan: Jebel El Airag: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1961: 1

9 March 1961

South Africa: Derdepoort: Du Preez, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1961: 1

11 March 1961

Togo: Atakpamé: Veronese, C.: RMCA: 16 [16 - **16** - **16**].

Total Specimens for 11 March 1961: 16

12 March 1961

Togo: Atakpamé: Veronese, C.: RMCA: 22 [22 - **22** - **22**].

Total Specimens for 12 March 1961: 22

13 March 1961

Togo: Atakpamé: Veronese, C.: RMCA: 24 [24 - **24** - **24**].

Total Specimens for 13 March 1961: 24

14 March 1961

South Africa: Derdepoort: Du Preez, J.: TM: 2 [2 - **2** - **2**].
Togo: Atakpamé: Veronese, C.: RMCA: 22 [22 - **22** - **22**].

Total Specimens for 14 March 1961: 24

15 March 1961

Togo: Atakpamé: Veronese, C.: RMCA: 26 [26 - **26** - **26**].

Total Specimens for 15 March 1961: 26

16 March 1961

Togo: Atakpamé: Veronese, C.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 16 March 1961: 8

28 March 1961

Zambia: Chilanga Cave: ?: Collector Unknown: FMNH: 3 [3]; Brain, C.K.: FMNH: 2 [2]; Hughes, D.L.: USNM: 2 [2 - **7**] - Chilanga-NR, Chilanga Caves: Brain, C.K.: TM: 2 [2 - **2** - **9**].

Total Specimens for 28 March 1961: 9

30 March 1961

Kenya: Embu Boma: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1961: 1

31 March 1961

Chad: Ounianga Kébir: Setzer, Henry W.: USNM: 4 [4 - **4** - **4**].
Congo (Democratic Republic of the): Ganda-Sundi: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1961: 5

1 April 1961

Algeria: Heljani: Ducrot, M.: MNHN: 2 [2 - **2** - **2**].
Zambia: Chilanga-NR, Chilanga Caves: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1961: 4

3 April 1961

Congo (Democratic Republic of the): Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1961: 1

4 April 1961

South Africa: Satara Rustkamp: Engel, H.C.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 4 April 1961: 2

5 April 1961

Congo (Democratic Republic of the): Jadotville: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 5 April 1961: 2

6 April 1961

Malawi: Manyowa Hill, Mitsidi: Zalira, Dayes: NMMB: 2 [2 - **2** - **2**].

Total Specimens for 6 April 1961: 2

8 April 1961

Angola: Dundo Lundo: de Barros Machado, A.: BMNH: 1 [1 - **1** - **1**].
Zambia: Dzala Cave: de Barros Machado, A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1961: 2

15 April 1961

Namibia: Windhoek: Zumpt, Frits Konrad Ernst: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 15 April 1961: 2

21 April 1961

South Africa: Skukuza: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - Skukuza Koppies: ?: Collector Unknown: TM: 1 [1]; Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **2** - **3**].

Total Specimens for 21 April 1961: 3

22 April 1961

South Africa: Bangu Poort, cave near: Pienaar, Uys de Villiers: KNP: 2 [2 - **2**] - Skukuza: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1** - **3**].
Tunisia: Al Huwwariyah cave: Issel, W.: ROM: 1 [1 - **1**] - El Huaria cave: Issel, W.: AMNH: 1 [1 - **1**] - Hoble: Issel, W.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 22 April 1961: 6

23 April 1961

Morocco: Marrakech prefecture: ?: Collector Unknown: SMF: 16 [16 - **16** - **16**].
South Africa: Skukuza Koppies: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 5 [5 - **5** - **5**].

Total Specimens for 23 April 1961: 21

25 April 1961

South Africa: Matshitshindzudzi: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1961: 1

27 April 1961

South Africa: Makupana cave: Meester, Jurgens Anthonie Janse [=Waldo]; Stegman, D.: TM: 2 [2 - **2**] - Matupa Cave: Meester, Jurgens Anthonie Janse [=Waldo]; Steyman, D.: TM: 1 [1 - **1** - **3**].

Total Specimens for 27 April 1961: 3

7 May 1961

Malawi: Chimpini Farm: Hanney, Peter W.: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1961: 1

15 May 1961

Ghana: Kumasi: ?: Collector Unknown: BMNH: 1 [1]; Barry, D.H.: BMNH: 1 [1 - **2** - **2**].

Total Specimens for 15 May 1961: 2

17 May 1961

South Africa: Skurweberg cave: Meester, Jurgens Anthonie Janse [=Waldo]; Coetzee, C.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1961: 1

20 May 1961

Congo (Democratic Republic of the): Salomoni cave: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 20 May 1961: 2

24 May 1961

Malawi: Karonga: Hanney, Peter W.: NMMB: 9 [9]; Mumba, D.; Hanney, Peter W.: NMMB: 2 [2 - **11** - **11**].

Total Specimens for 24 May 1961: 11

27 May 1961

South Africa: Uitkomst, Farm 499: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1961: 1

1 June 1961

South Africa: Pretoria, near: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1961: 1

2 June 1961

Chad: Tibesti: Tibesti Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1961: 1

6 June 1961

Ethiopia: Bahar Dar: Kock, Dieter: SMF: 3 [3 - **3** - **3**].

Total Specimens for 6 June 1961: 3

7 June 1961

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 7 June 1961: 2

15 June 1961

Chad: Zouarké, well: Tibesti Expedition, The: RMCA: 1 [1 - **1** - **1**].
South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1961: 2

16 June 1961

Congo (Democratic Republic of the): Kamatanda: ?: Collector Unknown: RBINS: 2 [2]; Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **4** - **4**].

Total Specimens for 16 June 1961: 4

17 June 1961

Nigeria: Ibadan: Taylor, K.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1961: 1

21 June 1961

Namibia: Ombu: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1961: 1

23 June 1961

Congo (Democratic Republic of the): Irangi: Rahm, Uwe: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1961: 1

1 July 1961

Congo: Meya-Nzouari,cave: Taufflieb, R.: MHNG: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Bwamanda: Maes, Vedast (Gaston Alfons): RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 July 1961: 3

3 July 1961

Tanzania: Bagamoyo: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1961: 1

6 July 1961

Uganda: Kampala: Cook, P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1961: 1

9 July 1961

Zimbabwe: Penrose Farm, Mvurwi: ?: Collector Unknown: FMNH: 2 [2]; Guy, G.L.: USNM: 1 [1 - **3** - **3**].

Total Specimens for 9 July 1961: 3

11 July 1961

Congo (Democratic Republic of the): Irangi: Rahm, Uwe: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1961: 1

24 July 1961

Ghana: Tumu area: Barry, D.H.: BMNH: 1 [1 - **1** - **1**].
Somalia: Mogadisio: Gans, Carl: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1961: 2

28 July 1961

Ghana: Tafo: : BMNH: 1 [1 - **1** - **1**].
Somalia: Balad: Gans, Carl: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1961: 2

31 July 1961

Malawi: Chikwawa: Owen, C.R.: NMMB: 3 [3 - **3** - **3**].

Total Specimens for 31 July 1961: 3

1 August 1961

Tunisia: Tozeur: : SMF: 74 [74 - **74** - **74**].

Total Specimens for 1 August 1961: 74

3 August 1961

Somalia: Balad: Gans, Carl: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1961: 1

9 August 1961

Somalia: Balad, 5 mi S: Gans, Carl: AMNH: 1 [1 - **1** - **1**].
Uganda: Katatemwa: Cook, P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1961: 2

10 August 1961

Somalia: Afgoi: Gans, Carl: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1961: 1

11 August 1961

Somalia: Balad, 1 mi S: Gans, Carl: AMNH: 12 [12 - **12** - **12**].

Total Specimens for 11 August 1961: 12

13 August 1961

Malawi: Monkey Bay: Eccles, D.J.: NMMB: 2 [2 - **2** - **2**].

Total Specimens for 13 August 1961: 2

21 August 1961

Somalia: Candala: Gans, Carl: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 August 1961: 2

24 August 1961

Chad: Tibesti: Tibesti Expedition, The: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 24 August 1961: 2

27 August 1961

Somalia: Mogadisio, 3 mi N: Gans, Carl: AMNH: 27 [27 - **27** - **27**].

Total Specimens for 27 August 1961: 27

31 August 1961

Sudan: Sennar: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1961: 1

1 September 1961

Zimbabwe: Fort Cottage: Payne-Smit, H.A.W.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1961: 1

6 September 1961

Tanzania: Seronera: Gans, Carl: AMNH: 1 [1 - **1** - **1**].
Zimbabwe: Manyambara: Brain, C.K.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 September 1961: 3

7 September 1961

South Africa: Mkuzi Game Reserve: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].
Zimbabwe: Baruka Cave: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Chinoyi, Orchid Cave: Guy, G.L.: USNM: 1 [1 - **1** - **3**].

Total Specimens for 7 September 1961: 5

9 September 1961

Malawi: Sunnyside: Richardson, C.E.: NMMB: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1961: 1

18 September 1961

Tanzania: Minaki, St. Andrews College: Ogilvie, Philip W.: KU: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1961: 1

19 September 1961

Guinea-Bissau: Formosa Island: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 19 September 1961: 1

20 September 1961

Tanzania: Amani: Hobbard, C.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1961: 1

21 September 1961

Tanzania: Minaki, St. Andrews College: Ogilvie, Philip W.: KU: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1961: 1

22 September 1961

Mozambique: Aldeia Chiuta [= Chiuta, Chuta]: Coetzee, C.G.: TM: 1 [1 - **1** - **1**].
Zimbabwe: Norton, 18 mi W: Kemp, A.C.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1961: 2

23 September 1961

Kenya: Nairobi: Williams, L.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 23 September 1961: 2

24 September 1961

Sudan: Sennar: : SMF: 1 [1 - **1** - **1**].
Tanzania: Seronera: Plisnier, J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1961: 2

25 September 1961

Botswana: Drotsky's [= Drodsky] Caves: Haacke, W.D.; Prozesky, O.P.M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 September 1961: 1

27 September 1961

Botswana: Drotsky's [= Drodsky] Caves: Haacke, W.D.; Prozesky, O.P.M.: USNM: 1 [1]; Marshall Expedition, The: TM: 1 [1]; Prozesky, Hans: USNM: 10 [10 - **12** - **12**].

Total Specimens for 27 September 1961: 12

28 September 1961

Botswana: Drotsky's [= Drodsky] Caves: Maseko, S.: USNM: 1 [1]; Prozesky, Hans: USNM: 22 [22 - **23** - **23**].

Total Specimens for 28 September 1961: 23

29 September 1961

Botswana: Drotsky's [= Drodsky] Caves: Cole, Ronald E.: USNM: 1 [1]; Maseko, S.: USNM: 8 [8]; Prozesky, O.P.M.: USNM: 9 [9 - **18** - **18**].

Total Specimens for 29 September 1961: 18

1 October 1961

Sudan: Khartoum: : SMF: 22 [22 - **22** - **22**].

Total Specimens for 1 October 1961: 22

2 October 1961

Botswana: Drotsky's [= Drodsky] Caves: Haacke, W.D.; Prozesky, O.P.M.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 2 October 1961: 10

3 October 1961

Botswana: Drotsky's [= Drodsky] Caves: Condy, J.B.: USNM: 2 [2]; Haacke, W.D.; Prozesky, O.P.M.: USNM: 2 [2]; Prozesky, O.P.M.: USNM: 6 [6 - **10** - **10**].

Total Specimens for 3 October 1961: 10

4 October 1961

Tanzania: Lukoga: Rees, A.F.: HZM: 1 [1]; Rees, A.F.?: HZM: 1 [1 - **2** - **2**].

Total Specimens for 4 October 1961: 2

5 October 1961

Tanzania: Dar es Salaam, 9 mi [= 14.5 km] N: Heinrich, Gerd H.: YPM: 2 [2 - **2** - **2**].

Total Specimens for 5 October 1961: 2

6 October 1961

Zimbabwe: Hatfield: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1961: 1

8 October 1961

Sudan: Khartoum: Celo, F.: SMF: 12 [12 - **12** - **12**].

Total Specimens for 8 October 1961: 12

13 October 1961

Malawi: Mandala: Imray: NMMB: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1961: 1

18 October 1961

Malawi: Liwonde: Owen, C.R.: NMMB: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1961: 1

20 October 1961

Zimbabwe: Highlands: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1**] - Salisbury: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **2**].

Total Specimens for 20 October 1961: 2

25 October 1961

Tanzania: Dar es Salaam, 5 mi [= 8 km] NW: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1961: 1

26 October 1961

Kenya: Nairobi Area: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 26 October 1961: 3

31 October 1961

Zimbabwe: Salisbury: Guy, G.L.: ROM: 1 [1 - **1**] - Southerton: Grey, G.L.: ROM: 1 [1]; Guy, G.L.: FMNH: 2, USNM: 1 [3 - **4** - **5**].

Total Specimens for 31 October 1961: 5

1 November 1961

Botswana: Camp 7: Haacke, W.D.; Prozesky, O.P.M.: USNM: 5 [5 - **5** - **5**].
Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1961: 6

7 November 1961

Zambia: Luachi River: Traylor, Melvin ("Mel") Alvah: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1961: 1

8 November 1961

Zambia: Luachi River: Traylor, Melvin ("Mel") Alvah: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1961: 1

18 November 1961

Botswana: Tsane, Camp 8: Haacke, W.D.; Prozesky, O.P.M.: USNM: 1 [1 - **1** - **1**].
Zambia: Sikongo: Taylor, R.H.: FMNH: 1 [1]; Traylor, Melvin ("Mel") Alvah: FMNH: 2 [2 - **3** - **3**].

Total Specimens for 18 November 1961: 4

19 November 1961

Botswana: Tsane, Camp 8: Haacke, W.D.; Prozesky, O.P.M.: USNM: 8 [8 - **8** - **8**].
Zambia: Sikongo: Traylor, Melvin ("Mel") Alvah: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1961: 9

20 November 1961

Botswana: Tsane, Camp 8: Haacke, W.D.; Prozesky, O.P.M.: USNM: 10 [10 - **10** - **10**].
Zambia: Sikongo: Traylor, Melvin ("Mel") Alvah: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 November 1961: 12

23 November 1961

South Africa: Punda Malia: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 23 November 1961: 2

29 November 1961

Zimbabwe: Miami, 4 mi E: Mitchell, 1: HZM: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1961: 1

30 November 1961

South Africa: Makatini Flats: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].
Zambia: Lueti River, S: Traylor, Melvin ("Mel") Alvah: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1961: 2

3 December 1961

Zimbabwe: Thornpark Estate: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1961: 1

5 December 1961

Zambia: Sihole: Taylor, R.H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1961: 1

6 December 1961

Zambia: Sihole: Traylor, Melvin ("Mel") Alvah: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 6 December 1961: 4

8 December 1961

Zambia: Sihole: Traylor, Melvin ("Mel") Alvah: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 December 1961: 2

15 December 1961

Tanzania: Uluguru mountains: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1961: 1

17 December 1961

Mozambique: Chemezi: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Uganda: Bukalasa: Mutere, Festo Abby: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1961: 3

24 December 1961

Rwanda: Astrida: ?: Collector Unknown: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1961: 1

29 December 1961

South Africa: Mtunzini: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Waterberg, Rooiberg: Copley, R.B.; Siegrist, Q.: ROM: 2 [2 - **2** - **3**].
Tanzania: Morogoro, near: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1961: 4

1 January 1962

Congo (Democratic Republic of the): Kivu region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Egypt: Unknown locality: ?: Collector Unknown: YPM: 6 [6 - **6** - **6**].
Gabon: Batouala: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Makokou, near: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **2**].
Kenya: Coast [former] province: Roberts, J.: USNM: 1 [1 - **1**] - Galana River: Touborg, Jens: MSU: 1 [1 - **1**] - Mombasa, cave near: Roberts, J.: USNM: 1 [1 - **1** - **3**].
Namibia: Okahandja: : SMF: 1 [1 - **1** - **1**].
Somalia: Afgoi: ?: Collector Unknown: MZUF: 1 [1 - **1**] - Villagio Duca delgli Abbruzzi: Savage, F.T.: AMNH: 6 [6 - **6** - **7**].
South Africa: Bredasdorp: Rau, R.: SMF: 3 [3 - **3** - **3**].
Uganda: Budongo Forest: Hawkes, T.: ROM: 3 [3 - **3**] - Bunyoro: Hawkes, T.: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **3**] - Moyo: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Moyo, near: Jones, Theo Simpson: ROM: 11 [11 - **11** - **18**].

Total Specimens for 1 January 1962: 41

4 January 1962

Kenya: Limuru, near: Ferrow, D.: LACM: 5 [5 - **5** - **5**].

Total Specimens for 4 January 1962: 5

7 January 1962

Kenya: Nairobi: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1962: 1

8 January 1962

Zambia: Chikundulu river: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1962: 1

10 January 1962

Congo (Democratic Republic of the): Lovanium university: De Bont: RMCA: 1 [1]; De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **2** - **2**].

Total Specimens for 10 January 1962: 2

13 January 1962

Congo (Democratic Republic of the): Lovanium university: De Bont: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1962: 1

16 January 1962

Congo (Democratic Republic of the): Lwiro: Kiss: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 16 January 1962: 4

17 January 1962

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Unknown locality: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1962: 2

18 January 1962

Gabon: Makokou: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1962: 1

23 January 1962

Congo (Democratic Republic of the): Uvira: Kiss: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1962: 1

24 January 1962

Tanzania: Kilosa: Rees, A.F.?: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1962: 1

28 January 1962

Tanzania: Minaki, St. Andrews College: Ogilvie, M.B. (or Philip W.): KU: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1962: 1

29 January 1962

Tanzania: Minaki, St. Andrews College: Ogilvie, M.B.: KU: 1 [1]; Ogilvie, Philip W.: KU: 2 [2 - **3** - **3**].

Total Specimens for 29 January 1962: 3

30 January 1962

Tanzania: Minaki, St. Andrews College: Ogilvie, M.B.: KU: 2 [2]; Ogilvie, Philip W.: KU: 6 [6 - **8** - **8**].

Total Specimens for 30 January 1962: 8

1 February 1962

Equatorial Guinea: Moka: Basilio, Aurelio: AMNH: 1 [1 - **1**] - Riusaka: Basilio, Aurelio: AMNH: 2 [2 - **2** - **3**].

Total Specimens for 1 February 1962: 3

3 February 1962

Congo (Democratic Republic of the): Uvira: Kiss: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1962: 1

4 February 1962

South Africa: Mkuzi Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1962: 1

5 February 1962

Zimbabwe: Umtali, 10 mi [= 16 km] from, on Vumba road: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 February 1962: 2

12 February 1962

Gabon: Makokou: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1962: 1

20 February 1962

Rwanda: Astrida: Van Parijs: RMCA: 4 [4 - **4** - **4**].
Tanzania: Unknown locality: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 20 February 1962: 7

23 February 1962

Tanzania: Mahenge: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1962: 1

24 February 1962

Tanzania: Minaki, St. Andrews College: Ogilvie, M.B.: KU: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1962: 1

1 March 1962

Rwanda: Astrida: Van Parijs: RMCA: 16 [16 - **16**] - Nyakibanda: Van Parijs: RMCA: 12 [12 - **12** - **28**].

Total Specimens for 1 March 1962: 28

2 March 1962

Tanzania: Minaki, St. Andrews College: Ogilvie, M.B.: KU: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1962: 1

3 March 1962

Tanzania: Minaki, St. Andrews College: Ogilvie, M.B.: KU: 1 [1]; Ogilvie, M.B. (or Philip W.): KU: 1 [1 - **2** - **2**].

Total Specimens for 3 March 1962: 2

6 March 1962

South Africa: Mkuzi Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1962: 1

7 March 1962

Kenya: Kikuyu: Keith, S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1962: 1

13 March 1962

South Africa: Skukuza: Stegmann, D.O.: KNP: 2 [2 - **2** - **2**].

Total Specimens for 13 March 1962: 2

15 March 1962

South Africa: Mkuzi Game Reserve: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].
Tanzania: Minaki, St. Andrews College: Ogilvie, M.B. (or Philip W.): KU: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1962: 3

16 March 1962

South Sudan: Malakal: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Shume, near: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1962: 2

19 March 1962

Zimbabwe: Umtali Old Mine: Broadley, D.G.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 19 March 1962: 1

22 March 1962

South Africa: Malelane Rangers Quarters: Espag, A.: KNP: 2 [2 - **2** - **2**].

Total Specimens for 22 March 1962: 2

29 March 1962

Zimbabwe: Inyanga: Payne-Smit, H.A.W.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1962: 1

30 March 1962

Congo (Democratic Republic of the): Lovanium university: De Bont: RMCA: 1 [1 - **1** - **1**].
Zimbabwe: Avondale: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1962: 2

1 April 1962

Congo (Democratic Republic of the): Lovanium university: De Bont: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1962: 1

4 April 1962

Tanzania: Amani: Heinrich, Gerd H.: YPM: 1 [1]; Hubbard, C. Andresen: TM: 1 [1 - **2** - **2**].

Total Specimens for 4 April 1962: 2

5 April 1962

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Lovanium university: De Bont: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 5 April 1962: 3

6 April 1962

Sierra Leone: Musaia: Allison, A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1962: 1

9 April 1962

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
South Africa: Nelspruit: ?: Collector Unknown: TM: 1 [1]; Du Preez, J.: TM: 1 [1 - **2** - **2**].

Total Specimens for 9 April 1962: 3

11 April 1962

Tanzania: Amani: Heinrich, Gerd H.: YPM: 2 [2 - **2** - **2**].

Total Specimens for 11 April 1962: 2

12 April 1962

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
South Sudan: Malakal: Hoogstraal, Harry H.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 12 April 1962: 11

18 April 1962

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Tanzania: Amani: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1962: 3

19 April 1962

Congo (Democratic Republic of the): Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - Kyasala cave: ?: Collector Unknown: RBINS: 1 [1]; Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **2** - **4**].

Total Specimens for 19 April 1962: 4

22 April 1962

Congo (Democratic Republic of the): Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - Kyasala cave: ?: Collector Unknown: RBINS: 4 [4]; Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **5** - **7**].

Total Specimens for 22 April 1962: 7

23 April 1962

South Sudan: Malakal, 50 mi N: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1962: 1

24 April 1962

Congo (Democratic Republic of the): Unknown locality: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - Kaboyaboya cave: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1**] - Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - Lubudi: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **4**].

Total Specimens for 24 April 1962: 4

26 April 1962

Gabon: Makokou: Mission Biologique au Gabon, La: ZMA: 4 [4 - **4** - **4**].
Mozambique: Inhaca Island: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1962: 5

29 April 1962

Tanzania: Amani: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1962: 1

30 April 1962

Tanzania: Amani: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1962: 1

1 May 1962

Congo (Democratic Republic of the): Lovanium university: De Bont: RMCA: 1 [1 - **1** - **1**].
Mozambique: Inhaca Island: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Amani: Hubbard, C. Andresen: TM: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1962: 4

2 May 1962

Congo (Democratic Republic of the): Lovanium university: De Bont: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1962: 1

3 May 1962

Tanzania: Morogoro, near: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1962: 1

7 May 1962

Congo (Democratic Republic of the): Lovanium university: De Bont: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1962: 1

9 May 1962

Egypt: Bahig: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Sierra Leone: Musaia: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1962: 2

10 May 1962

Zimbabwe: Umtali: Broadley, D.G.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1962: 1

14 May 1962

South Africa: Sunnyside: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1962: 1

15 May 1962

Rwanda: Astrida: Van Parijs: RMCA: 14 [14 - **14** - **14**].
Zambia: Chilanga: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1962: 15

17 May 1962

South Africa: Modderfontein, Farm: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1962: 1

18 May 1962

Sierra Leone: Musaia: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1962: 1

20 May 1962

Congo (Democratic Republic of the): Unknown locality: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - Salomoni cave: ?: Collector Unknown: RBINS: 1 [1 - **1** - **3**].

Total Specimens for 20 May 1962: 3

22 May 1962

Kenya: Chep Tulel: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1962: 1

26 May 1962

Congo (Democratic Republic of the): Lovanium university: De Bont: RMCA: 1 [1 - **1** - **1**].

Tanzania: Minaki, St. Andrews College: Ogilvie, M.B.: KU: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1962: 2

29 May 1962

Libya: Bahr El Tubat: Ranck, G.L.: USNM: 1 [1]; Ranck, G.L.; Shaw, J.H.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 29 May 1962: 2

31 May 1962

Congo (Democratic Republic of the): Kakanda cave: ?: Collector Unknown: RBINS: 13 [13]; Anciaux de Faveaux, Félix / Michel: MHNG: 8 [8 - **21**] - Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 9 [9 - **9** - **30**].
Sudan: Wad Medani: : SMF: 5 [5 - **5** - **5**].

Total Specimens for 31 May 1962: 35

2 June 1962

Sudan: An Nil al Azraq state: : SMF: 1 [1 - **1**] - Wad Medani: : SMF: 15 [15 - **15** - **16**].

Total Specimens for 2 June 1962: 16

3 June 1962

South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: Copley, R.B.: TM: 5 [5 - **5** - **5**].
Uganda: Kitumetira: Keith, S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1962: 6

4 June 1962

South Africa: Branfort: Leeuwenberg, Antonius Josephus Martinus ("Toon"): ZMA: 1 [1 - **1** - **1**].
Tanzania: Amani: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - Chimala: Knipper: LNK: 11 [11 - **11** - **12**].

Total Specimens for 4 June 1962: 13

5 June 1962

Congo (Democratic Republic of the): Lovanium university: De Bont: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1962: 1

8 June 1962

Libya: Labraq, 5 km SW: Ranck, G.L.; Shaw, J.H.: USNM: 1 [1 - **1** - **1**].
South Africa: Xixengendzini road: Kloppers, J.J.: KNP: 1 [1 - **1** - **1**].
South Sudan: Nzara: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1962: 3

11 June 1962

Ethiopia: Azum: Von Heuglin, Theodor: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 June 1962: 1

12 June 1962

Congo (Democratic Republic of the): Lovanium university: De Bont: RMCA: 1 [1 - **1** - **1**].
South Sudan: Nzara: Kock, Dieter: SMF: 1 [1 - **1**] - Nzara West: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].

Total Specimens for 12 June 1962: 4

13 June 1962

South Sudan: Yei: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Zambia: Luangwa Valley: Wilson, Vivian J.: ROM: 10 [10 - **10** - **10**].

Total Specimens for 13 June 1962: 11

22 June 1962

South Africa: John Nash Nature Reserve: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1962: 1

25 June 1962

Sudan: An Nil al Azraq state: : SMF: 1 [1 - **1**] - Wad Medani: : SMF: 1 [1 - **1** - **2**].

Total Specimens for 25 June 1962: 2

26 June 1962

Congo (Democratic Republic of the): Baya carrière: Parent: RMCA: 1 [1 - **1** - **1**].
Uganda: Ishasha River: Keith, S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1962: 2

27 June 1962

Uganda: Ishasha River: Keith, S.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 June 1962: 2

28 June 1962

Tanzania: Usa: Von Nagy: ZFMK: 1 [1 - **1** - **1**].
Uganda: Ishasha River: Keith, S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1962: 2

30 June 1962

Congo (Democratic Republic of the): Unknown locality: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - "Trou aux Serpents": Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **3**].

Total Specimens for 30 June 1962: 3

1 July 1962

Uganda: Bulaganya, cave 3 mi S: Jones, Theo Simpson; Shepherd, C.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 July 1962: 2

3 July 1962

Zimbabwe: Salisbury: Begg, G.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1962: 1

5 July 1962

Zambia: Lusingazi Game Camp: Newman, D.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1962: 1

7 July 1962

South Africa: "Onmeetbare" cave: Rau, R.: SMF: 4 [4 - **4** - **4**].

Total Specimens for 7 July 1962: 4

8 July 1962

Ethiopia: Jigiga Road, 16 km S: Ingersol, R.H.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1962: 1

14 July 1962

Tanzania: Mikindani: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Zimbabwe: Salisbury: Shone, A.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1962: 2

16 July 1962

Congo (Democratic Republic of the): Lubudi-Lusolo: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - Lusolo cave: ?: Collector Unknown: RBINS: 9 [9]; Anciaux de Faveaux, Félix / Michel: MHNG: 6, SMF: 6 [12 - **21** - **22**].
Kenya: Voi: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1962: 23

17 July 1962

Sudan: Dilling: ?: Collector Unknown: SMF: 10 [10]; : SMF: 10 [10 - **20** - **20**].
Tanzania: Mikindani: Andersen: ZFMK: 1 [1 - **1** - **1**].
Zimbabwe: Salisbury: Shone, A.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1962: 22

18 July 1962

Congo (Democratic Republic of the): Unknown locality: Anciaux de Faveaux, Félix / Michel: SMF: 4 [4 - **4**] - Kaboyaboya cave: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3**] - Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - Kyamakonde cave: ?: Collector Unknown: RBINS: 7 [7]; Anciaux de Faveaux, Félix / Michel: MHNG: 2 [2 - **9** - **17**].
Tanzania: Mikindani: Andersen: ZFMK: 3 [3]; Andersen, Th.: SMF: 3 [3 - **6** - **6**].
Zambia: Chibembe pontoon, 1/2 mi S: Ingles, Jane M.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1962: 24

19 July 1962

Congo (Democratic Republic of the): Mugaba Cave: Elbl, A.: USNM: 2 [2 - **2** - **2**].
Kenya: Kilifi: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].
Sudan: Dilling: : SMF: 4 [4 - **4** - **4**].

Total Specimens for 19 July 1962: 7

20 July 1962

Sudan: Dilling: : SMF: 1 [1 - **1** - **1**].
Zambia: Chibembe pontoon, 1/2 mi S: Ingles, Jane M.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 20 July 1962: 4

21 July 1962

Congo (Democratic Republic of the): Kakanda cave: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - Kyasala cave: ?: Collector Unknown: RBINS: 2 [2]; Anciaux de Faveaux, Félix / Michel: MHNG: 1, SMF: 2 [3 - **5** - **8**].
Ethiopia: Alemaya: Ingersol, R.H.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1962: 9

22 July 1962

Sudan: Dilling: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1962: 1

23 July 1962

Congo (Democratic Republic of the): Kaboyaboya cave: ?: Collector Unknown: RBINS: 4 [4]; Anciaux de Faveaux, Félix / Michel: MHNG: 7, SMF: 3 [10 - **14**] - Lubudi: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3** - **17**].
Sudan: Dilling: : SMF: 2 [2 - **2** - **2**].
Tanzania: Iringa, near: Knipper: LNK: 1 [1 - **1**] - Mikindani: Andersen, Th.: SMF: 1 [1 - **1** - **2**].

Total Specimens for 23 July 1962: 21

24 July 1962

Tanzania: Mikindani: Andersen: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1962: 1

26 July 1962

Congo (Democratic Republic of the): Jadotville: ?: Collector Unknown: RBINS: 2 [2 - **2**] - Mulong cave: Anciaux de Faveaux, Félix / Michel: SMF: 5 [5 - **5** - **7**].
Uganda: Bulaganya, cave 3 mi S: Jones, Theo Simpson; Shepherd, C.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1962: 8

27 July 1962

Congo (Democratic Republic of the): Kakindo Cave: Elbl, A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1962: 1

28 July 1962

Congo (Democratic Republic of the): Kakindo Cave: Elbl, A.: USNM: 1 [1 - **1** - **1**].
Uganda: Kinyala: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1962: 2

30 July 1962

Somalia: Villabruzzi [=Villa del dottore Abruzzi]: ?: Collector Unknown: MZUF: 2 [2 - **2** - **2**].
Tanzania: Mtwara region: Andersen, Th.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 30 July 1962: 4

1 August 1962

Uganda: Metu: Jones, Theo Simpson: ROM: 3 [3 - **3**] - Metu Rest Camp: Jones, Theo Simpson: BMNH: 9 [9]; Williams, John George: ROM: 2 [2 - **11** - **14**].

Total Specimens for 1 August 1962: 14

2 August 1962

Nigeria: Nagaruta Forest Reserve: : BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1962: 1

3 August 1962

Congo (Democratic Republic of the): Kapolowe: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1962: 1

4 August 1962

Tanzania: Musabi Special Camp: Plisnier, J.: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 4 August 1962: 2

8 August 1962

South Africa: Mkuzi Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1962: 1

13 August 1962

Congo (Democratic Republic of the): Unknown locality: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - Kasoma: ?: Collector Unknown: RBINS: 3 [3 - **3**] - Kasoma cave: ?: Collector Unknown: RBINS: 3 [3]; Anciaux de Faveaux, Félix / Michel: HNHM: 2, MHNG: 7, SMF: 9 [18 - **21**] - Katanga: Anciaux de Faveaux, Félix / Michel: SMF: 8 [8 - **8** - **33**].

Total Specimens for 13 August 1962: 33

14 August 1962

Tanzania: Mikindani: Andersen: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 14 August 1962: 3

18 August 1962

Congo (Democratic Republic of the): Kasoma: ?: Collector Unknown: RBINS: 3 [3 - **3**] - Kasoma cave: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **4**].

Total Specimens for 18 August 1962: 4

19 August 1962

South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: Copley, R.B.: TM: 1 [1]; Copley, R.B.; Siegrist, Q.: TM: 3 [3 - **4** - **4**].

Total Specimens for 19 August 1962: 4

20 August 1962

Zimbabwe: Zambesi-Chewore junction: Guy, G.L.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1962: 1

22 August 1962

Somalia: Eggi, 4 km S: Granchi, E.: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1962: 1

23 August 1962

Tanzania: Grummetti: Plisnier, J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1962: 1

24 August 1962

Zimbabwe: Zambezi-Cherowe Junction: Guy, G.L.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1962: 1

25 August 1962

Congo (Democratic Republic of the): Defrenne cave: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1**] - Pempere cave: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - Pempéré cave: ?: Collector Unknown: RBINS: 1 [1 - **1** - **3**].

Total Specimens for 25 August 1962: 3

26 August 1962

Somalia: Villabruzzi [=Villa del dottore Abruzzi]: Missione Biologica Somalia, La: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1962: 1

27 August 1962

Zimbabwe: Zambezi - Chewore junction: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1962: 1

31 August 1962

Kenya: Nakuru: Williams, A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1962: 1

1 September 1962

South Africa: Clarens, near: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 September 1962: 2

2 September 1962

Zambia: Nkane-Kitwe: Tree, A.J.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1962: 1

4 September 1962

Madagascar: Andreba, Railroad Station: Lange, K.L.: USNM: 1 [1]; Shaw, J.H.; Lange, K.L.: USNM: 1 [1 - **2** - **2**].
Sudan: Kadugli: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: Bologonja: Plisnier, J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1962: 4

5 September 1962

Egypt: between Cairo and Ismailia: Rau, R.: SMF: 1 [1 - **1**] - Cairo and Ismaila, between: Rau, R.: SMF: 1 [1 - **1** - **2**].
Madagascar: Andreba [railroad station]: Lange, K.L.: USNM: 17 [17]; Shaw, J.H.: USNM: 16 [16 - **33** - **33**].
Tanzania: Mikindani: Andersen, Th.: ZFMK: 1 [1 - **1**] - Ngelehek: Plisnier, J.: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 5 September 1962: 37

6 September 1962

Nigeria: Birninkudu: Grandison, Alice Georgie Cruickshank: MCZ: 1 [1 - **1** - **1**].
Sudan: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1962: 2

8 September 1962

Congo (Democratic Republic of the): St Gerard mission: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1962: 1

12 September 1962

Sudan: Kadugli: : SMF: 9 [9 - **9** - **9**].

Total Specimens for 12 September 1962: 9

15 September 1962

Tanzania: Itanga: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1962: 1

21 September 1962

Mozambique: Beira, 20 mi N: Rankwa: HZM: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1962: 1

22 September 1962

Tanzania: Itanga: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1962: 1

24 September 1962

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Zimbabwe: Sinoia: Pavey, T.D.K.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1962: 2

28 September 1962

Equatorial Guinea: San Carlos: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1962: 1

29 September 1962

Kenya: Ngombeni [caves]: Roberts, J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1962: 1

30 September 1962

Madagascar: Didy, 7 km N: Lange, K.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1962: 1

1 October 1962

Tanzania: Mikindani: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].
Uganda: Wandegeya: ?: Collector Unknown: OMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1962: 2

3 October 1962

Kenya: Ngombeni: ?: Collector Unknown: NMK: 2 [2 - **2** - **2**].

Total Specimens for 3 October 1962: 2

4 October 1962

Sudan: Kadugli: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 October 1962: 1

5 October 1962

Equatorial Guinea: Bioko island: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Sudan: Kadugli: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 October 1962: 2

6 October 1962

Tanzania: Amani Forest: Keith, S.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 October 1962: 2

9 October 1962

Tanzania: Mdandu Forest: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1962: 1

12 October 1962

Sudan: Jebel Talao: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1962: 1

13 October 1962

Egypt: Denderah [=Dandarah]: Glaser: SMF: 1 [1 - **1** - **1**].
Sudan: Jebel Talao: : SMF: 36 [36 - **36** - **36**].

Total Specimens for 13 October 1962: 37

17 October 1962

Sudan: Buram: Kock, Dieter: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1962: 1

18 October 1962

Egypt: Marsa Matruh: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Kenya: Athi river: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1962: 2

20 October 1962

Sudan: Kadugli: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1962: 1

21 October 1962

Sudan: Kadugli: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1962: 1

22 October 1962

Sudan: Jebel Talao: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1962: 1

23 October 1962

Sudan: Kadugli: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 23 October 1962: 3

25 October 1962

Madagascar: Boanamary, 3 km NE: Shaw, J.H.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1962: 1

27 October 1962

Madagascar: Grotte d'Anjohibe: Shaw, J.H.: USNM: 7 [7 - **7** - **7**].
Sudan: Khartoum: Celo, F.: SMF: 6 [6 - **6** - **6**].

Total Specimens for 27 October 1962: 13

28 October 1962

Sudan: Kadugli: Kock, Dieter: SMF: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1962: 1

1 November 1962

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 1 November 1962: 3

2 November 1962

Sudan: Buram: : SMF: 7 [7]; Kock, Dieter: SMF: 5 [5 - **12**] - Kadugli: Kock, Dieter: SMF: 1 [1 - **1** - **13**].

Total Specimens for 2 November 1962: 13

3 November 1962

Madagascar: Andraina, 2 km W: Lange, K.L.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 3 November 1962: 5

9 November 1962

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Madagascar: Ambalantanakomby, 25 km SW: Shaw, J.H.: USNM: 8 [8 - **8** - **8**].

Total Specimens for 9 November 1962: 9

11 November 1962

Madagascar: Ambalantanakomby, 25 km SW: Shaw, J.H.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 11 November 1962: 3

13 November 1962

Congo (Democratic Republic of the): Farm 'des grands bois': Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].
Sudan: El Lagowa: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1962: 2

15 November 1962

Congo (Democratic Republic of the): Jadotville: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - Panda: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 15 November 1962: 2

18 November 1962

Congo (Democratic Republic of the): Panda: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1962: 1

22 November 1962

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1962: 1

24 November 1962

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 24 November 1962: 3

26 November 1962

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 26 November 1962: 2

27 November 1962

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1962: 1

1 December 1962

Congo (Democratic Republic of the): Baya carrière: Verheyen, Walter N.: RMCA: 5 [5 - **5**] - Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **6**].
Gabon: Bélinga: ?: Collector Unknown: MNHN: 21 [21]; Mission Biologique au Gabon, La: ZMA: 2 [2 - **23**] - NE Gabon: ?: Collector Unknown: MNHN: 2 [2 - **2** - **25**].

Total Specimens for 1 December 1962: 31

3 December 1962

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1962: 1

5 December 1962

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 December 1962: 2

7 December 1962

Kenya: Tana River: Keith, S.: AMNH: 4 [4 - **4** - **4**].
Madagascar: Tisihombe: Lange, K.L.: USNM: 6 [6 - **6**] - Tsihombe: Lange, K.L.: USNM: 6 [6 - **6** - **12**].

Total Specimens for 7 December 1962: 16

8 December 1962

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1962: 1

9 December 1962

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1962: 1

10 December 1962

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Sudan: Kadugli: : SMF: 1 [1]; Kock, Dieter: SMF: 6 [6 - **7** - **7**].
Uganda: Kangole R.C.Mission: Ogilvie, Philip W.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1962: 9

12 December 1962

Ethiopia: Jigiga Road bridge, 0.5 km E: Ingersol, R.H.: MVZ: 1 [1 - **1** - **1**].
Kenya: Makere: Keith, S.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 12 December 1962: 4

13 December 1962

Kenya: Makere: Keith, S.: AMNH: 4 [4 - **4** - **4**].
South Africa: Mkuzi Game Reserve: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 13 December 1962: 6

15 December 1962

Sudan: Kadugli: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 15 December 1962: 3

16 December 1962

Sudan: Kadugli: Kock, Dieter: SMF: 2 [2 - **2** - **2**].

Total Specimens for 16 December 1962: 2

17 December 1962

Kenya: Garsen, 6 mi E: Keith, S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1962: 1

19 December 1962

Kenya: Utwani Forest Reserve: Keith, S.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 19 December 1962: 3

22 December 1962

Madagascar: Betroka: Lange, K.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1962: 1

24 December 1962

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Kenya: Kakamega Forest: Williams, John George: LACM: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1962: 2

26 December 1962

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1962: 1

27 December 1962

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1962: 1

28 December 1962

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1962: 2

29 December 1962

Ethiopia: Errer valley: Ingersol, R.H.: OSU: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1962: 1

31 December 1962

Ethiopia: Errer valley: Ingersol, R.H.: OSU: 3 [3 - **3** - **3**].

Total Specimens for 31 December 1962: 3

1 January 1963

Central African Republic: Unknown locality: Taufflieb, R.: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Luluabourg: Deheegher, Jan: RMCA: 3 [3 - **3** - **3**].
Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1** - **1**].
Gabon: Bélinga: Dragesco, Jean: ZMA: 1 [1]; Mission Biologique au Gabon, La: ZMA: 7 [7 - **8** - **8**].
Kenya: Mombasa, cave near: Roberts, J.: USNM: 5 [5 - **5**] - Nairobi: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2** - **7**].
Tanzania: Pemba island: ?: Collector Unknown: ROM: 4 [4 - **4**] - Zanzibar: ?: Collector Unknown: ROM: 1 [1 - **1** - **5**].

Total Specimens for 1 January 1963: 25

4 January 1963

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Sudan: Kadugli: : SMF: 3 [3]; Kock, Dieter: SMF: 2 [2 - **5** - **5**].

Total Specimens for 4 January 1963: 6

5 January 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2** - **2**].
Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Sudan: Kadugli: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1963: 4

8 January 1963

Tanzania: Chimala: Heinrich, Gerd H.: YPM: 3 [3 - **3** - **3**].

Total Specimens for 8 January 1963: 3

9 January 1963

Sudan: Rheika: Kock, Dieter: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1963: 1

10 January 1963

Sudan: Kadugli: ?: Collector Unknown: SMF: 1 [1 - **1**] - South Kordofan state: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 10 January 1963: 2

11 January 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2** - **2**].
Sudan: Kadugli: : SMF: 3 [3 - **3** - **3**].

Total Specimens for 11 January 1963: 5

12 January 1963

Sudan: Kadugli: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].
Tanzania: Chimala: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1963: 6

15 January 1963

Zambia: Chilanga: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1963: 1

17 January 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Sudan: Kadugli: : SMF: 3 [3 - **3**] - South Kordofan state: : SMF: 1 [1 - **1** - **4**].

Total Specimens for 17 January 1963: 5

18 January 1963

Sudan: Kadugli: : SMF: 6 [6 - **6** - **6**].
Zambia: Fort Jameson: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1963: 7

21 January 1963

Egypt: Abu Simbel: Brongersma, Leo Daniel: RMNH: 1 [1 - **1** - **1**].
Sudan: Kadugli: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 21 January 1963: 3

23 January 1963

Gabon: Bélinga: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1963: 1

24 January 1963

Gabon: Bélinga: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1963: 1

25 January 1963

Gabon: Bélinga: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1963: 1

26 January 1963

Zambia: Fort Jameson: Ansell, William Frank Harding: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1963: 1

27 January 1963

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1963: 1

30 January 1963

Liberia: Harbel, Firestone Plantations: Weyer, D.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 January 1963: 1

1 February 1963

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 12 [12 - **12**] - Bélinga, near: Dragesco, Jean: ZMA: 3 [3 - **3** - **15**].
Sudan: El Obeid: ?: Collector Unknown: SMF: 10 [10 - **10** - **10**].

Total Specimens for 1 February 1963: 25

2 February 1963

Congo (Democratic Republic of the): Kiloboze: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Sudan: El Obeid: : SMF: 4 [4 - **4** - **4**].

Total Specimens for 2 February 1963: 5

3 February 1963

Sudan: Semeih: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1963: 1

4 February 1963

Sudan: Kologi: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Zambia: Missale Old Mine: Ansell, William Frank Harding: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 4 February 1963: 5

5 February 1963

Kenya: Lake Magadi: Williams, A.: ROM: 1 [1 - **1** - **1**].
Sudan: Kologi: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 5 February 1963: 3

10 February 1963

Zimbabwe: Hunyani Dam: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1963: 1

12 February 1963

Sudan: Jebel Talao: ?: Collector Unknown: SMF: 1 [1]; : SMF: 26 [26 - **27** - **27**].

Total Specimens for 12 February 1963: 27

15 February 1963

Zambia: Missale: Harrison, David Lakin: ROM: 3 [3 - **3**] - Missale Old Mine: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **4**].

Total Specimens for 15 February 1963: 4

16 February 1963

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Kenya: Kedong Valley: Langridge, William ("Bill"): ROM: 1 [1 - **1**] - Mount Suswa: Langridge, William ("Bill"): USNM: 3 [3 - **3**] - Mount Suswa cave: Langridge, William ("Bill"): USNM: 1 [1 - **1** - **5**].
Sudan: Jebel Talao: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1963: 7

18 February 1963

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1963: 1

19 February 1963

Equatorial Guinea: Bioko island: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 19 February 1963: 4

20 February 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Gabon: Bélinga, confer: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1963: 2

22 February 1963

Gabon: Batouala: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bélinga: Mission Biologique au Gabon, La: ZMA: 3 [3 - **3** - **4**].
Sudan: South Kordofan state: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1963: 5

23 February 1963

Sudan: Kadugli: Kock, Dieter: SMF: 1 [1 - **1** - **1**].
Zambia: Kafue River: Tree, A.J.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1963: 2

24 February 1963

Gabon: Grotte de Faucon: Brosset, André: ZMA: 1 [1]; Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **3** - **3**].

Total Specimens for 24 February 1963: 3

27 February 1963

Sudan: Kadugli: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 February 1963: 1

1 March 1963

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Kenya: Kedong Valley: Mumford, Russell E.: ROM: 3 [3 - **3**] - Mount Suswa cave: Mumford, Russell E.: USNM: 1 [1 - **1** - **4**].

Total Specimens for 1 March 1963: 5

2 March 1963

Angola: Sá da Bandeira: Crawford de Meneses Cabral, João: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 2 March 1963: 2

8 March 1963

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1** - **1**].
Sudan: Kadugli: : SMF: 1 [1]; Kock, Dieter: SMF: 2 [2 - **3** - **3**].

Total Specimens for 8 March 1963: 4

9 March 1963

Sudan: Kadugli: Kock, Dieter: SMF: 2 [2 - **2** - **2**].

Total Specimens for 9 March 1963: 2

10 March 1963

Sudan: Kadugli: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 10 March 1963: 2

11 March 1963

Madagascar: Ampijoroa: Lange, K.L.: USNM: 36 [36 - **36** - **36**].

Total Specimens for 11 March 1963: 36

12 March 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Tunisia: Unknown locality: ?: Collector Unknown: SMF: 14 [14 - **14**] - El Haouaria cave: Nagel; Schubert; Vesmanis, Indulis Evalds: SMF: 5 [5 - **5**] - El Houaria: : SMF: 1 [1 - **1**] - Nabeul governorate: ?: Collector Unknown: SMF: 1 [1 - **1** - **21**].

Total Specimens for 12 March 1963: 22

13 March 1963

Sudan: Kadugli: Kock, Dieter: SMF: 1 [1 - **1**] - Subeigh Forest Reserve: : SMF: 1 [1 - **1** - **2**].

Total Specimens for 13 March 1963: 2

16 March 1963

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Tana River: Machris-Knudsen Expedition, the: LACM: 1 [1 - **1** - **2**].
Sudan: Suki: : SMF: 5 [5 - **5** - **5**].

Total Specimens for 16 March 1963: 7

17 March 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1963: 1

18 March 1963

Sudan: Subeigh Forest Reserve: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 18 March 1963: 2

19 March 1963

Sudan: Subeigh Forest Reserve: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 March 1963: 1

20 March 1963

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Mount Suswa: Langridge, William ("Bill"): USNM: 2 [2 - **2** - **3**].
Madagascar: Sakaraha: Smith, J.: YPM: 1 [1 - **1** - **1**].
Sudan: Subeigh Forest Reserve: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 20 March 1963: 6

22 March 1963

Madagascar: Hellville: Lange, K.L.: USNM: 1 [1 - **1** - **1**].
Sudan: Subeigh Forest Reserve: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1963: 2

23 March 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Sudan: Subeigh Forest Reserve: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 23 March 1963: 3

24 March 1963

Congo (Democratic Republic of the): Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Madagascar: Hellville: Lange, K.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1963: 2

26 March 1963

Madagascar: Ambanja, 6 km SE: Lange, K.L.: USNM: 17 [17 - **17** - **17**].
Sudan: Ronga Forest Reserve: : SMF: 2 [2 - **2**] - Subeigh Forest Reserve: : SMF: 3 [3 - **3** - **5**].

Total Specimens for 26 March 1963: 22

27 March 1963

Angola: Dundo Lundo: de Barros Machado, A.: BMNH: 1 [1 - **1** - **1**].
Madagascar: Ambanja, 6 km SE: Lange, K.L.: USNM: 4 [4 - **4** - **4**].
Zambia: Chipanga, Chipata: Ansell, William Frank Harding: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1963: 6

28 March 1963

Madagascar: Ambanja: Lange, K.L.: USNM: 3 [3 - **3**] - Ambanja, 6 km SE: Lange, K.L.: USNM: 8 [8 - **8** - **11**].
Sudan: El Gueisi: : SMF: 4 [4 - **4** - **4**].
Zambia: Chipengali: Wilson, Vivian J.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1963: 16

29 March 1963

Sudan: Bunzuga: : SMF: 2 [2 - **2** - **2**].
Zambia: Fort Jameson: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1963: 3

30 March 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2** - **2**].
Sudan: Bunzuga: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 30 March 1963: 4

31 March 1963

Kenya: Mount Suswa: ?: Collector Unknown: USNM: 4 [4]; Mumford, Russell E.: USNM: 1 [1 - **5** - **5**].
Sudan: Bunzuga: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1963: 6

1 April 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2** - **2**].
Zambia: Chipanga, Chipata: Ansell, William Frank Harding: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1963: 3

2 April 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2** - **2**].
Madagascar: Joffreville, 6 mi S: Lange, K.L.: USNM: 8 [8 - **8**] - Montagne d'Ambre: Lange, K.L.: USNM: 1 [1 - **1** - **9**].
Sudan: Bunzuga: : SMF: 9 [9 - **9**] - Subeigh Forest Reserve: : SMF: 1 [1]; Kock, Dieter: SMF: 3 [3 - **4** - **13**].
Zambia: Chipanga, Chipata: Ansell, William Frank Harding: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1963: 25

4 April 1963

Kenya: Mount Suswa cave: Mumford, Russell E.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 4 April 1963: 2

6 April 1963

Zambia: Chipanga, Chipata: Ansell, William Frank Harding: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1963: 1

7 April 1963

Madagascar: Joffreville: Lange, K.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1963: 1

10 April 1963

Madagascar: Diego-Suarez, 36 km S: Lange, K.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1963: 1

11 April 1963

Liberia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Nimba county: ?: Collector Unknown: SMF: 115 [115 - **115** - **116**].

Total Specimens for 11 April 1963: 116

16 April 1963

Kenya: Nairobi: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1963: 1

18 April 1963

Congo (Democratic Republic of the): Luluabourg: Deheegher, Jan: RMCA: 3 [3 - **3** - **3**].
Kenya: Lake Naivasha: Minter, D.M.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 18 April 1963: 9

19 April 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 19 April 1963: 2

20 April 1963

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1963: 1

23 April 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1]; Van Orshoven, Jo: ZMA: 1 [1 - **2** - **2**].

Total Specimens for 23 April 1963: 2

1 May 1963

Swaziland: Mlawula Estates [= Mlawula Nature Reserve]: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Zambia: Missale Old Mine: ?: Collector Unknown: TM: 2 [2]; Ansell, William Frank Harding: AMNH: 1, FMNH: 2 [3 - **5** - **5**].

Total Specimens for 1 May 1963: 6

2 May 1963

Uganda: Budongo Forest: Machris-Knudsen Expedition, the: LACM: 3 [3 - **3**] - Bunyoro: Williams, John George: ROM: 1 [1 - **1** - **4**].

Total Specimens for 2 May 1963: 4

3 May 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Madagascar: Périnet, 3 km E: Lange, K.L.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 3 May 1963: 3

5 May 1963

Uganda: Namulere: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - West Mengo: Jones, Theo Simpson: ROM: 1 [1 - **1** - **2**].

Total Specimens for 5 May 1963: 2

7 May 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 7 May 1963: 2

8 May 1963

Uganda: Bunyoro: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1963: 1

9 May 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1963: 1

13 May 1963

Madagascar: Analamazaotra forest, Périnet: Smith, J.: YPM: 10 [10 - **10** - **10**].

Total Specimens for 13 May 1963: 10

17 May 1963

Madagascar: Analamazaotra forest, Périnet: Smith, J.: YPM: 1 [1 - **1** - **1**].
Zambia: Lusaka: Wilson, Vivian J.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 17 May 1963: 3

22 May 1963

Kenya: Garissa: Bernard: USNM: 4 [4 - **4** - **4**].

Total Specimens for 22 May 1963: 4

24 May 1963

Kenya: Lake Naivasha: Minter, D.M.: USNM: 2 [2 - **2**] - Naivasha: Minter, D.M.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 24 May 1963: 3

28 May 1963

Kenya: Garissa: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Zambia: Nsefu Game Camp: Feely, J.M.: NHMZ: 2 [2 - **2** - **2**].

Total Specimens for 28 May 1963: 3

29 May 1963

Zambia: Sasare Old Mine: Wilson, Vivian J.: ROM: 10 [10 - **10** - **10**].

Total Specimens for 29 May 1963: 10

30 May 1963

Congo (Democratic Republic of the): Katana: Kunkel, P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1963: 1

1 June 1963

Gabon: Bélinga: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Uganda: Navtakwai: Jones, Theo Simpson: ROM: 1 [1 - **1**] - West Mengo: Jones, Theo Simpson: ROM: 1 [1 - **1** - **2**].

Total Specimens for 1 June 1963: 4

3 June 1963

Kenya: Nairobi province: Williams, J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1963: 1

6 June 1963

Kenya: Menengai Crater, Mengengai cave: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1963: 1

7 June 1963

Kenya: Isiolo: Bernard: USNM: 16 [16 - **16**] - Menengai Crater: Williams, J.: USNM: 1 [1 - **1**] - Nairobi: ?: Collector Unknown: USNM: 1 [1]; Mumford, Russell E.: ROM: 24, USNM: 20 [44 - **45**] - Ngong: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2** - **64**].

Total Specimens for 7 June 1963: 64

8 June 1963

Kenya: Lake Naivasha: Mumford, Russell E.: ROM: 32, USNM: 26 [58]; Williams, J.: USNM: 1 [1 - **59**] - Lake Naivasha, E shore: Mumford, Russell E.: USNM: 1 [1 - **1**] - Menengai Crater, Mengengai cave: Mumford, Russell E.: USNM: 6 [6 - **6** - **66**].

Total Specimens for 8 June 1963: 66

9 June 1963

Kenya: Lake Naivasha: Mumford, Russell E.: USNM: 1 [1]; Williams: ROM: 1 [1]; Williams, J.: USNM: 4 [4]; Williams, John George: ROM: 5 [5 - **11**] - Menengai Crater, Mengengai cave: Mumford, Russell E.: ROM: 1, USNM: 4 [5 - **5**] - Nakuru: Mumford, Russell E.: ROM: 4 [4 - **4** - **20**].

Total Specimens for 9 June 1963: 20

10 June 1963

Kenya: Kakamega Forest: Mumford, Russell E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 10 June 1963: 2

11 June 1963

Kenya: Kakamega Forest, 12.8 km SE: Mumford, Russell E.: USNM: 1 [1 - **1**] - Lake Naivasha: Mumford, Russell E.: ROM: 5 [5 - **5** - **6**].

Total Specimens for 11 June 1963: 6

12 June 1963

Kenya: Kakamega Forest, 12.8 km SE: Mumford, Russell E.: ROM: 2 [2 - **2**] - Nairobi province: Mumford, Russell E.: USNM: 2 [2 - **2** - **4**].

Total Specimens for 12 June 1963: 4

13 June 1963

Kenya: Kakamega Forest: Mumford, Russell E.: ROM: 1 [1 - **1**] - Kakamega forest, 8 mi SE: Mumford, Russell E.: USNM: 1 [1 - **1** - **2**].

Total Specimens for 13 June 1963: 2

14 June 1963

Kenya: Kakamega Forest, 12.8 km SE: Mumford, Russell E.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 14 June 1963: 2

15 June 1963

Kenya: Kakamega: Mumford, Russell E.: USNM: 10 [10 - **10**] - Kakamega Forest: Mumford, Russell E.: ROM: 3, USNM: 1 [4 - **4**] - Kakamega Forest Mine: Mumford, Russell E.: ROM: 15 [15 - **15**] - Kakamega Forest, 12.8 km SE: ?: Collector Unknown: USNM: 1 [1]; Mumford, Russell E.: ROM: 15, USNM: 18 [33 - **34**] - Kakamega Forest, 8 mi [= 12.8 km] SE:

Mumford, Russell E.: ROM: 1 [1 - **1**] - Kakamege, 8 mi [= 12.8 km] S: Mumford, Russell E.: USNM: 6 [6 - **6**] - Nairobi: Mumford, Russell E.: USNM: 2 [2 - **2** - **72**].

Total Specimens for 15 June 1963: 72

16 June 1963

Kenya: Kakamega forest, 8 mi SE: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 16 June 1963: 2

17 June 1963

Kenya: Kakamega forest, 8 mi SE: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1963: 1

18 June 1963

Kenya: Legatet Hill: Mumford, Russell E.: ROM: 1 [1 - **1**] - Legatet Hill cave: Mumford, Russell E.: ROM: 9 [9 - **9**] - Menengai: ?: Collector Unknown: USNM: 1 [1]; Mumford, Russell E.: USNM: 2 [2 - **3**] - Menengai Crater: Hayward, Bruce Joliffe: FMNH: 4 [4]; Mumford, Russell E.: USNM: 1 [1]; Williams, J.: USNM: 3 [3 - **8**] - Menengai Crater, Mengengai cave: Hayward, Bruce Joliffe: FMNH: 1 [1]; Mumford, Russell E.: ROM: 12, USNM: 9 [21 - **22**] - Nakuru: Mumford, Russell E.: ROM: 1 [1 - **1** - **44**].

Total Specimens for 18 June 1963: 44

19 June 1963

Kenya: Isiolo: Bernard: ROM: 2, USNM: 1 [3]; Mumford, Russell E.: ROM: 2 [2 - **5** - **5**].

Total Specimens for 19 June 1963: 5

20 June 1963

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Tanzania: Tanga: Bampton, I.: ROM: 4 [4]; Mumford, Russell E.: ROM: 1 [1 - **5** - **5**].

Total Specimens for 20 June 1963: 6

21 June 1963

Kenya: Nairobi: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1963: 2

23 June 1963

Kenya: Kiboko: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1963: 1

24 June 1963

Zambia: Fort Jameson: Ansell, William Frank Harding: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1963: 1

25 June 1963

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 6 [6 - **6** - **6**].

Total Specimens for 25 June 1963: 7

26 June 1963

Congo (Democratic Republic of the): Baya carrière: Parent: RMCA: 3 [3 - **3** - **3**].
Kenya: Olorgasailie: Coe, Malcolm J.: USNM: 1 [1 - **1** - **1**].
Zambia: Chilanga: Benson, Constantine ("Con") Walter: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1963: 5

27 June 1963

Kenya: Langata: Mumford, Russell E.: USNM: 6 [6 - **6**] - Langata cemetery: Mumford, Russell E.: ROM: 9 [9 - **9** - **15**].
Uganda: Gulu: Smart, R.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 27 June 1963: 18

28 June 1963

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Kenya: Maningi: Mumford, Russell E.: ROM: 3, USNM: 1 [4 - **4** - **4**].
Tanzania: Tanga: Bampton, I.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 28 June 1963: 7

29 June 1963

Congo (Democratic Republic of the): Luluabourg, gorge: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Kenya: Ngong: Mumford, Russell E.: ROM: 2 [2 - **2**] - Ngong Hills: Mumford, Russell E.: USNM: 1 [1 - **1** - **3**].

Total Specimens for 29 June 1963: 4

30 June 1963

Kenya: Endeblsa: Tweedie: USNM: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1963: 1

1 July 1963

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 2 [2 - **2** - **2**].
Gabon: Batouala or Bélinga: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Bélinga: Mission Biologique au Gabon, La: ZMA: 3 [3 - **3**] - Bélinga, near: ?: Collector Unknown: MNHN: 2 [2 - **2**] - Nwadi: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2** - **8**].
Kenya: Mt Elgon foothills, Barberton farm: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Ngong: Mumford, Russell E.: USNM: 4 [4 - **4**] - Ngong Hills: Mumford, Russell E.: USNM: 1 [1 - **1** - **6**].
Uganda: Entebbe: Jones, Theo Simpson: BMNH: 1, ROM: 1 [2 - **2** - **2**].

Total Specimens for 1 July 1963: 18

3 July 1963

Kenya: Jagartek and Talek rivers junction, 8 km above: Mumford, Russell E.: ROM: 2 [2 - **2**] - Ngong: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2**] - Talek Gate, near: Mumford, Russell E.: USNM: 1 [1 - **1** - **5**].

Total Specimens for 3 July 1963: 5

4 July 1963

Uganda: Old Entebbe: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Zimbabwe: Sentinel Ranch: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Sentinel Ranch, Limpopo River: ?: Collector Unknown: DNSM: 17 [17 - **17** - **20**].

Total Specimens for 4 July 1963: 21

6 July 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1963: 1

7 July 1963

Kenya: Athi river: Mumford, Russell E.: ROM: 1 [1 - **1**] - Isiala: Bernard: USNM: 8 [8 - **8**] - Isiolo: Bernard: ROM: 4, USNM: 2 [6]; Hayward, Bruce Joliffe: FMNH: 4 [4]; Mumford, Russell E.: ROM: 8 [8]; Williams, John George: ROM: 5 [5 - **23**] - Ngombeni [caves]: Granger, Walter: USNM: 2 [2 - **2**] - Ngong: Mumford, Russell E.: ROM: 1 [1 - **1**] - Sultan Hamud: Glover, P.E.: USNM: 1 [1]; Mumford, Russell E.: ROM: 2, USNM: 1 [3 - **4** - **39**].

Total Specimens for 7 July 1963: 39

8 July 1963

Kenya: 15 mi up from Tanganyika border, Mara river, 15 mi up: Mumford, Russell E.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 8 July 1963: 2

9 July 1963

Côte d'Ivoire: I.D.E.R.T.: ORSTOM: RMCA: 1 [1 - **1** - **1**].
Kenya: Lemek hill: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1963: 2

10 July 1963

Egypt: Sultan Hassan Mosque: Kiepenhauer; Linsenmair; U.S. Navy Medical Research Unit 3 (NaMRU 3), The: SMF: 19 [19 - **19** - **19**].

Total Specimens for 10 July 1963: 19

11 July 1963

Kenya: Lake Naivasha: Mumford, Russell E.: ROM: 3, USNM: 7 [10 - **10**] - Lake Naivasha, E shore: Hayward, Bruce Joliffe: FMNH: 9 [9]; Mumford, Russell E.: USNM: 2 [2 - **11** - **21**].

Total Specimens for 11 July 1963: 21

12 July 1963

Kenya: Ngombeni [caves]: Granger, Walter: USNM: 3 [3 - **3**] - Ngomeni: Granger, Walter: USNM: 1 [1 - **1** - **4**].
Tanzania: Tanga: Bampton, I.: ROM: 38, USNM: 2 [40]; Mumford, Russell E.: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **42** - **42**].

Total Specimens for 12 July 1963: 46

15 July 1963

Kenya: Ngong: Patterson, P.: ROM: 2, USNM: 1 [3 - **3** - **3**].

Total Specimens for 15 July 1963: 3

16 July 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Kenya: Mau Forest: Mumford, Russell E.: USNM: 2 [2 - **2**] - Njoro River: Mumford, Russell E.: USNM: 2 [2 - **2** - **4**].

Total Specimens for 16 July 1963: 6

17 July 1963

Tanzania: Tanga: Bampton, I.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 17 July 1963: 2

18 July 1963

Kenya: Barberton Cave: Mumford, Russell E.: USNM: 1 [1 - **1**] - Koru: Mumford, Russell E.: USNM: 3 [3 - **3**] - Koru, 10 km ENE: Mumford, Russell E.: ROM: 1 [1 - **1**] - Koru, 3 mi N: Mumford, Russell E.: USNM: 2 [2 - **2**] - Legatet Hill: Mumford, Russell E.: ROM: 15, USNM: 11 [26 - **26**] - Legatet Hill cave: Hayward, Bruce Joliffe: FMNH: 11 [11]; Mumford, Russell E.: ROM: 5, USNM: 6 [11 - **22**] - Suam River, Korau: Mumford, Russell E.: ROM: 2 [2 - **2** - **57**].
Tanzania: Tanga: Bampton, I.: ROM: 9, USNM: 4 [13 - **13** - **13**].

Total Specimens for 18 July 1963: 70

19 July 1963

Liberia: Firestone Plantation: Weyer, A.E.: AMNH: 7 [7 - **7** - **7**].
Tanzania: Rungwa: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1963: 8

20 July 1963

Kenya: Sagana River: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Uganda: Bukulasa: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1963: 2

21 July 1963

Kenya: Kakamega Forest: Mumford, Russell E.: ROM: 1 [1]; Zimmerman, Dale Allen: ROM: 1 [1 - **2**] - Kakamega Forest Mine: Hayward, Bruce Joliffe: FMNH: 4 [4]; Mumford, Russell E.: ROM: 8 [8 - **12**] - Kakamega Forest, 12.8 km SE: Mumford, Russell E.: USNM: 8 [8 - **8**] - Lukenia: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2** - **24**].
Tanzania: Tanga: Bampton, I.: ROM: 9, USNM: 1 [10 - **10** - **10**].

Total Specimens for 21 July 1963: 34

22 July 1963

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Gabon: Batouala: Mission Biologique au Gabon, La: ZMA: 14 [14 - **14**] - Bélinga: ?: Collector Unknown: MNHN: 1 [1 - **1** - **15**].
Kenya: Isiolo: Bernard: USNM: 1 [1 - **1**] - Kakamega Forest: Mumford, Russell E.: ROM: 3, USNM: 3 [6 - **6**] - Kakamega Forest Station, 1 mi NE: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4** - **11**].
Tanzania: Magamba: Mumford, Russell E.: ROM: 1 [1 - **1**] - Tanga: Bampton, I.: ROM: 2 [2 - **2** - **3**].

Total Specimens for 22 July 1963: 30

23 July 1963

Gabon: Makokou: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].
Kenya: Isiolo: ?: Collector Unknown: USNM: 1 [1]; Bernard: ROM: 2 [2 - **3**] - Kakamega: Mumford, Russell E.: USNM: 1 [1 - **1**] - Kakamega Forest: Mumford, Russell E.: ROM: 1, USNM: 2 [3 - **3**] - Kakamega Forest Station, 1 mi NE: Hayward, Bruce Joliffe: FMNH: 5, TTU: 1 [6 - **6**] - Kakamega Forest, 12.8 km SE: Mumford, Russell E.: USNM: 1 [1 - **1** - **14**].

Total Specimens for 23 July 1963: 15

24 July 1963

Gabon: Batouala: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Kenya: Barberton farm cave: Mumford, Russell E.: ROM: 1 [1 - **1**] - Kakamega Forest: Mumford, Russell E.: USNM: 2 [2 - **2**] - Kakamega forest station: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - Ngong: Mumford, Russell E.: ROM: 1 [1 - **1**] - Ngong Hills: Mumford, Russell E.: USNM: 1 [1 - **1** - **8**].

Total Specimens for 24 July 1963: 9

25 July 1963

Gabon: Batouala: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - Batouala, near: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - Makokou: Mission Biologique au Gabon, La: ZMA: 3 [3 - **3** - **5**].
Kenya: Athi river: Ash, John S.: USNM: 3 [3]; Ashe, James: ROM: 3 [3]; Glover, P.E.: USNM: 1 [1 - **7**] - Barberton Cave: Mumford, Russell E.: ROM: 4, USNM: 7 [11 - **11**] - Barberton Farm: Mumford, Russell E.: ROM: 1 [1 - **1**] - Isiolo: Bernard: ROM: 1 [1 - **1**] - Kitale, 20 mi SW: Mumford, Russell E.: USNM: 2 [2 - **2**] - Lake Naivasha: Ashe, James: ROM: 1 [1 - **1**] - Moto cave: Granger, Walter: ROM: 3, USNM: 9 [12 - **12**] - Mt Elgon foothills, Barberton farm: Hayward, Bruce Joliffe: FMNH: 13 [13]; Mumford, Russell E.: ROM: 2 [2 - **15** - **50**].

Total Specimens for 25 July 1963: 55

26 July 1963

Congo: Meya-Nzouari,cave: Adam, Jean-Paul: ZMA: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Gabon: Batouala: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kenya: Barberton Farm: Mumford, Russell E.: USNM: 2 [2 - **2**] - Barberton Farm pool: Mumford, Russell E.: ROM: 3, USNM: 6 [9 - **9**] - Isiolo: Bernard: ROM: 1 [1 - **1**] - Kitale, 20 mi SW: Mumford, Russell E.: USNM: 1 [1 - **1**] - Mt Elgon foothills, Barberton farm: Hayward, Bruce Joliffe: FMNH: 6 [6]; Mumford, Russell E.: ROM: 1 [1 - **7**] - Ngombeni [caves]: Granger, Walter: ROM: 1, USNM: 2 [3 - **3** - **23**].

Total Specimens for 26 July 1963: 26

27 July 1963

Kenya: Barberton Cave: Mumford, Russell E.: USNM: 1 [1 - **1**] - Barberton farm: Mumford, Russell E.: ROM: 1 [1 - **1**] - Barberton Farm pool: Mumford, Russell E.: ROM: 3, USNM: 1 [4 - **4**] - Kitale, 20 mi SW: Mumford, Russell E.: USNM: 1 [1 - **1**] - Mt Elgon foothills, Barberton farm: Hayward, Bruce Joliffe: FMNH: 6 [6]; Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **8** - **15**].
Tanzania: Tanga: Bampton, I.: ROM: 1 [1 - **1** - **1**].
Uganda: Gulu: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].
Zimbabwe: Highlands: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1963: 18

28 July 1963

Kenya: Barberton Cave: Mumford, Russell E.: USNM: 3 [3 - **3**] - Barberton Farm: Mumford, Russell E.: ROM: 2, USNM: 1 [3 - **3**] - Barberton Farm pool: Mumford, Russell E.: ROM: 2 [2 - **2**] - Devil's cave: Hayward, Bruce Joliffe: FMNH: 1, WNMU: 1 [2]; Mumford, Russell E.: USNM: 1 [1 - **3**] - Elgon, Mount: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - Kitale: Mumford, Russell E.: LACM: 1 [1 - **1**] - Kitale, 20 mi SW: Mumford, Russell E.: USNM: 2 [2 - **2**] - Mt Elgon foothills, Barberton farm: Hayward, Bruce Joliffe: FMNH: 12 [12]; Mumford, Russell E.: ROM: 1 [1 - **13** - **28**].
South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].
Tanzania: Tanga: Bampton, I.: ROM: 13, USNM: 4 [17]; Hayward, Bruce Joliffe: FMNH: 3 [3]; Mumford, Russell E.: ROM: 1 [1 - **21** - **21**].
Uganda: Sipi cave: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1963: 51

29 July 1963

Kenya: Barberton Cave: Mumford, Russell E.: USNM: 2 [2 - **2**] - Barberton Farm: Mumford, Russell E.: ROM: 1 [1 - **1**] - Mt Elgon foothills, Barberton farm: Hayward, Bruce Joliffe: FMNH: 2 [2]; Mumford, Russell E.: USNM: 1 [1 - **3**] - Ngong: Mumford, Russell E.: ROM: 1 [1 - **1** - **7**].

Total Specimens for 29 July 1963: 7

30 July 1963

Ghana: Pong-Tamale: Barry, D.H.: BMNH: 1 [1 - **1** - **1**].
Kenya: Barberton Farm: Mumford, Russell E.: ROM: 1 [1 - **1**] - Kitale: ?: Collector Unknown: WAM: 1 [1]; Hayward, Bruce Joliffe: WAM: 2 [2 - **3**] - Kitale, 20 mi SW: Mumford, Russell E.: USNM: 4 [4 - **4**] - Mt Elgon foothills, Barberton farm: Hayward, Bruce Joliffe: FMNH: 9 [9]; Mumford, Russell E.: ROM: 4, USNM: 2 [6 - **15** - **23**].

Total Specimens for 30 July 1963: 24

31 July 1963

Kenya: Kitale, 29 km SW: Nield, M.: ROM: 1 [1 - **1**] - Mt Elgon foothills, Barberton farm: Hayward, Bruce Joliffe: FMNH: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2** - **3**].
Tanzania: Tanga: Bampton, I.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1963: 4

1 August 1963

Congo (Democratic Republic of the): Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Egypt: Saqqara: Kiepenhauer; Linsenmair; U.S. Navy Medical Research Unit 3 (NaMRU 3), The: SMF: 9 [9 - **9** - **9**].
Gabon: Bélinga: Brosset, André: ZMA: 1 [1]; Mission Biologique au Gabon, La: ZMA: 2 [2 - **3**] - Nwadi: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **4**].
Kenya: Hoey's bridge: Hayward, Bruce Joliffe: FMNH: 3, TTU: 1 [4]; Temple, A.M.G.: WAM: 1 [1 - **5**] - Kakamega Forest: Mumford, Russell E.: USNM: 1 [1 - **1**] - Kilifi: Williams, A.: ROM: 1 [1 - **1** - **7**].
Tanzania: Tanga: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].
Uganda: Metu: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Ntorako: : LACM: 1 [1 - **1** - **2**].

Total Specimens for 1 August 1963: 26

2 August 1963

Kenya: Hoey's bridge: Nield, M.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 2 August 1963: 2

3 August 1963

Kenya: Bowker Farm: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Kedong Valley: Glover, E.C.: ROM: 1 [1]; Williams, John George: AMNH: 1 [1 - **2**] - Kit Rawlins Farm: Mumford, Russell E.: USNM: 1 [1 - **1**] - Menengai Crater: Hayward, Bruce Joliffe: FMNH: 4 [4]; Mumford, Russell E.: ROM: 1 [1 - **5**] - Menengai Crater, Mengengai cave: Mumford, Russell E.: ROM: 2, USNM: 5 [7 - **7**] - Mount Suswa cave: Glover, E.C.: USNM: 3 [3]; Hayward, Bruce Joliffe: FMNH: 1 [1 - **4**] - Nakuru: Mumford, Russell E.: ROM: 2 [2 - **2** - **22**].

Total Specimens for 3 August 1963: 22

4 August 1963

Kenya: Barberton Farm: Mumford, Russell E.: ROM: 1 [1 - **1**] - Kitale, 20 mi SW: Middleton: USNM: 2 [2]; Mumford, Russell E.: USNM: 1 [1 - **3**] - Nakuru, 4 mi [= 6.4 km] E: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Nakuru, 6 km E: Mumford, Russell E.: ROM: 1 [1 - **1** - **6**].
Tanzania: Tanga: Bampton, I.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 4 August 1963: 9

5 August 1963

Kenya: Mount Suswa: Glover, E.C.: ROM: 1 [1 - **1**] - Mount Suswa cave: Glover, E.C.: ROM: 6, USNM: 3 [9]; Glover, P.E.: USNM: 5 [5]; Hayward, Bruce Joliffe: FMNH: 4, TTU: 1 [5]; Mumford, Russell E.: USNM: 1 [1 - **20** - **21**].

Total Specimens for 5 August 1963: 21

7 August 1963

Tanzania: Tanga: Bampton, I.: ROM: 16, USNM: 9 [25 - **25** - **25**].

Total Specimens for 7 August 1963: 25

8 August 1963

Kenya: Nakuru: Rawlins, K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1963: 1

10 August 1963

Kenya: Kakamega Forest: Williams, John George: ROM: 1 [1 - **1**] - Kiboko: Mumford, Russell E.: USNM: 1 [1 - **1**] - Kiboko, 2 mi [= 3.2 km] NW: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - Kiboko, 3 mi E: Mumford, Russell E.: USNM: 2 [2 - **2**] - Kiboko, 3 mi W: Mumford, Russell E.: ROM: 1, USNM: 3 [4 - **4**] - Kiboko, 5 km W: Mumford, Russell E.: ROM: 1 [1 - **1**] - Nairobi: Mumford, Russell E.: ROM: 1 [1 - **1** - **14**].
Zambia: Chipongwe [see also: Chipongwe West]: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1963: 15

12 August 1963

Kenya: Kilifi: Mumford, Russell E.: ROM: 1 [1 - **1**] - Kilifi, 10 km S: Mumford, Russell E.: ROM: 2 [2 - **2**] - Kilifi, 6 mi S: Williams, A.: USNM: 1 [1 - **1**] - Shimoni: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **5**].

Total Specimens for 12 August 1963: 5

13 August 1963

Congo (Democratic Republic of the): Kakondo: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Kenya: Shimani: Mumford, Russell E.: USNM: 5 [5 - **5**] - Shimoni: Hayward, Bruce Joliffe: FMNH: 6 [6]; Mumford, Russell E.: ROM: 5, USNM: 3 [8]; Williams, John George: ROM: 2 [2 - **16**] - Shimoni cave: Hayward, Bruce Joliffe: USNM: 2 [2]; Mumford, Russell E.: USNM: 1 [1 - **3** - **24**].

Total Specimens for 13 August 1963: 25

14 August 1963

Kenya: Kedong Valley: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - Kilifi: Mumford, Russell E.: USNM: 1 [1 - **1**] - Ngombeni [caves]: Mumford, Russell E.: USNM: 1 [1 - **1**] - Ngong Hills: Mumford, Russell E.: USNM: 1 [1 - **1** - **4**].

Total Specimens for 14 August 1963: 4

15 August 1963

Kenya: Diani: Mumford, Russell E.: ROM: 16, USNM: 20 [36 - **36**] - Diani cave: Mumford, Russell E.: ROM: 3 [3 - **3**] - Diani, Moto cave: ?: Collector Unknown: BMNH: 1 [1 - **1**] - Moto cave: Hayward, Bruce Joliffe: FMNH: 19 [19 - **19**] - Ngombeni [caves]: Hayward, Bruce Joliffe: FMNH: 6, USNM: 2 [8]; Mumford, Russell E.: ROM: 2, USNM: 4 [6 - **14**] - Ngong Hills: Patterson, P.: USNM: 2 [2 - **2**] - Oloitokitok: Mumford, Russell E.: USNM: 2 [2 - **2** - **77**].

Total Specimens for 15 August 1963: 77

16 August 1963

Kenya: Kilifi: Stout, A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1963: 1

17 August 1963

Kenya: Athi river: Ash, John S.: USNM: 2 [2]; Ashe, James: ROM: 1 [1 - **3** - **3**].
Zambia: Pwira Pan: Ansell, William Frank Harding: BMNH: 1 [1]; Ansell, William Frank Harding; Tree, A.J.: BMNH: 2 [2]; Tree, A.J.: BMNH: 1 [1 - **4** - **4**].

Total Specimens for 17 August 1963: 7

18 August 1963

Egypt: Edfu: Kiepenhauer; Linsenmair; U.S. Navy Medical Research Unit 3 (NaMRU 3), The: SMF: 29 [29 - **29** - **29**].
Kenya: Kilifi: Mumford, Russell E.: USNM: 1 [1 - **1**] - Mombasa, 22 mi N: Mumford, Russell E.: USNM: 1 [1 - **1**] - Vipingo cave: Mumford, Russell E.: ROM: 15, USNM: 14 [29 - **29**] - Vipingoni: Mumford, Russell E.: ROM: 5 [5 - **5**] - Vipingoni cave: Hayward, Bruce Joliffe: FMNH: 15 [15 - **15** - **51**].
Zambia: Pwira Pan: Tree, A.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1963: 81

19 August 1963

Kenya: Kiboko, 10 mi [= 16 km] S: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Kilifi: Bernard: USNM: 1 [1]; Hayward, Bruce Joliffe: FMNH: 1, WNMU: 1 [2]; Mumford, Russell E.: ROM: 3, USNM: 4 [7]; Start, Anthony N.: WAM: 1 [1 - **11**] - Kilifi: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - Kilifi cave: Hayward, Bruce Joliffe: USNM: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - Kilifi Creek: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - Kilifi Creek, head of: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Kilifi, 1 mi [= 1.6 km] N: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Kilifi, near: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - NFD, Isiolo: Williams, J.: LACM: 1 [1 - **1** - **23**].

Total Specimens for 19 August 1963: 23

20 August 1963

Kenya: Kilifi: Local, by: ROM: 1 [1]; Mumford, Russell E.: ROM: 2, USNM: 3 [5]; Start, Anthony N.: WAM: 1 [1 - **7**] - Kilifi cave: Mumford, Russell E.: USNM: 1 [1 - **1**] - Kilifi, 1 mi [= 1.6 km] N: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - Kilifi, near: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Ndi: Mumford, Russell E.: USNM: 1 [1 - **1** - **12**].

Total Specimens for 20 August 1963: 12

21 August 1963

Kenya: Kilifi: ?: Collector Unknown: USNM: 5 [5]; Mumford, Russell E.: USNM: 1 [1]; Start, Anthony N.: WAM: 1 [1 - **7** - **7**].

Total Specimens for 21 August 1963: 7

22 August 1963

Kenya: Kiboko: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2**] - Kiboko, 1 mi [= 1.6 km] E: Mumford, Russell E.: USNM: 1 [1 - **1**] - Kiboko, 1 mi [= 1.6 km] W: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - Kiboko, 2 mi [= 3.2 km] NW: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Kiboko, 2 mi [=3.2 km] NW: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Kiboko, 4 mi [= 6.4 km] E: Mumford, Russell E.: USNM: 1 [1 - **1**] - Kiboko, 5 km W: Mumford, Russell E.: ROM: 1 [1 - **1**] - Kilifi: Start, Anthony N.: BMNH: 1 [1 - **1** - **11**].

Total Specimens for 22 August 1963: 11

23 August 1963

Kenya: Kiboko: Mumford, Russell E.: ROM: 2, USNM: 1 [3 - **3**] - Kiboko, 10 mi [= 16 km] E: Mumford, Russell E.: ROM: 2, USNM: 4 [6 - **6**] - Kiboko, 10 mi [= 16 km] N: Hayward, Bruce Joliffe: FMNH: 4, TTU: 1 [5 - **5**] - Kiboko, 10 mi [= 16 km] W: Mumford, Russell E.: USNM: 2 [2 - **2**] - Nyama Yango: Western New Mexico University: FMNH: 1 [1 - **1** - **17**].

Total Specimens for 23 August 1963: 17

24 August 1963

Kenya: Athi river: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - Athi River Station: Ashe, James: ROM: 1 [1 - **1** - **4**].
Nigeria: Ilesha: : HZM: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1963: 5

25 August 1963

Botswana: Moremi Game Reserve: Geertsema, C.C.: ZMA: 1 [1 - **1** - **1**].
Kenya: Athi river: Mumford, Russell E.: ROM: 2 [2 - **2**] - Athi River Town, 1 mi S: Hayward, Bruce Joliffe: USNM: 3 [3 - **3**] - Athi Station: Mumford, Russell E.: ROM: 1 [1 - **1** - **6**].
Zambia: Machiya ferry: Tree, A.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1963: 8

26 August 1963

Kenya: Kalimoni: Sauvage, R.: USNM: 44 [44 - **44**] - Kiambu: Mumford, Russell E.: USNM: 11 [11]; Sauvage, R.: ROM: 30 [30 - **41**] - Nairobi: Hayward, Bruce Joliffe: FMNH: 3 [3]; Sauvage, R.: USNM: 1 [1 - **4** - **89**].

Total Specimens for 26 August 1963: 89

27 August 1963

Kenya: Kilifi: Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1963: 1

28 August 1963

Botswana: Kwaai River: Geertsema, C.C.: ZMA: 1 [1 - **1** - **1**].
Kenya: Kalamou: Hayward, Bruce Joliffe: FMNH: 8 [8 - **8**] - Nairobi: Hayward, Bruce Joliffe: FMNH: 1, WNMU: 1 [2 - **2** - **10**].
South Africa: Neiman's Farm: Risser, A.C.: USNM: 1 [1 - **1** - **1**].
Tanzania: Tanga: Bampton, I.: USNM: 1 [1 - **1** - **1**].
Uganda: Queen Elizabeth National Park: Start, Anthony N.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1963: 14

29 August 1963

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Luluabourg, gorge: De Roo, Antoon Emeric Marcel: RMCA: 7 [7 - **7** - **8**].

Total Specimens for 29 August 1963: 8

1 September 1963

Kenya: Diani coast: ?: Collector Unknown: NMK: 2 [2 - **2** - **2**].
Tanzania: Tanga: Bampton, I.: ROM: 1 [1]; Williams, John George: AMNH: 2 [2 - **3** - **3**].

Total Specimens for 1 September 1963: 5

3 September 1963

Botswana: Maun: RN: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1963: 1

6 September 1963

Tanzania: Tabora: Williams, J.: LACM: 1 [1 - **1**] - unspecified locality: Williams, J.: LACM: 1 [1 - **1** - **2**].

Total Specimens for 6 September 1963: 2

8 September 1963

Congo (Democratic Republic of the): Kananga: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **5**].
Kenya: Archer's Post: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 8 September 1963: 7

9 September 1963

Kenya: Mount Loldiani: Start, Anthony N.: WAM: 1 [1 - **1**] - Mount Ololdiani: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **2**].
Uganda: Tororo, 64 km SW: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1963: 3

10 September 1963

Congo (Democratic Republic of the): Kakondo: Kunkel, P.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 10 September 1963: 2

12 September 1963

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 12 September 1963: 1

14 September 1963

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1963: 1

17 September 1963

South Africa: Newington, 3 mi WNW: Cole, Ronald E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1963: 1

21 September 1963

Congo (Democratic Republic of the): Kananga: De Roo, Antoon Emeric Marcel: AMNH: 2 [2 - **2**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 21 September 1963: 3

22 September 1963

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 22 September 1963: 4

24 September 1963

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **4**].

Total Specimens for 24 September 1963: 4

25 September 1963

Congo (Democratic Republic of the): Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 September 1963: 1

27 September 1963

Congo (Democratic Republic of the): Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1963: 1

28 September 1963

Kenya: Nairobi: Stevenson, A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1963: 1

29 September 1963

Congo (Democratic Republic of the): Fomulac-Katana: Kunkel, P.: SMF: 1 [1 - **1**] - Kivu region: Kunkel, P.: SMF: 3 [3 - **3** - **4**].

Total Specimens for 29 September 1963: 4

30 September 1963

Congo (Democratic Republic of the): Fomulac-Katana: Kunkel, P.: SMF: 1 [1 - **1**] - Kivu region: Kunkel, P.: SMF: 1 [1 - **1** - **2**].

Total Specimens for 30 September 1963: 2

1 October 1963

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1963: 1

2 October 1963

Congo (Democratic Republic of the): Fomulac-Katana: Kunkel, P.: SMF: 1 [1 - **1**] - Kivu region: Kunkel, P.: SMF: 1 [1 - **1** - **2**].

Total Specimens for 2 October 1963: 2

3 October 1963

Congo (Democratic Republic of the): Fomulac-Katana: Kunkel, P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1963: 1

5 October 1963

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 5 October 1963: 3

7 October 1963

Kenya: Molo: : LACM: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1963: 1

8 October 1963

Mozambique: Beira, 212 km SSW: Dalquest, Walter Woelberg: TTU: 1 [1 - **1**] - Zinave: Dalquest, Walter Woelberg: KU: 1 [1 - **1** - **2**].

Total Specimens for 8 October 1963: 2

9 October 1963

Kenya: Kerio Valley: : LACM: 2 [2 - **2** - **2**].
Mozambique: Zinave: Dalquest, Walter Woelberg: KU: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1963: 3

10 October 1963

Sudan: Kadugli: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: Tanga region: Williams, J.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1963: 2

11 October 1963

Uganda: Budongo Forest: : LACM: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1963: 1

13 October 1963

Malawi: Mandala: Vunja, M.: NMMB: 2 [2 - **2** - **2**].

Total Specimens for 13 October 1963: 2

14 October 1963

Congo (Democratic Republic of the): Lwiro: Dieterlen, Fritz: SMNS: 1 [1 - **1** - **1**].
Sudan: Jebelein: : SMF: 27 [27 - **27** - **27**].

Total Specimens for 14 October 1963: 28

17 October 1963

Uganda: Budongo Forest: Williams: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1963: 1

18 October 1963

South Africa: Mtunzini: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Twin Streams: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Total Specimens for 18 October 1963: 4

20 October 1963

Congo (Democratic Republic of the): Mura pumping station: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].
Kenya: Loitokitok: Williams, J.: LACM: 1 [1 - **1** - **1**].
Mozambique: Save River, 15 km from mouth: Dalquest, Walter Woelberg: TTU: 1 [1 - **1** - **1**].
Zimbabwe: Salisbury: Smithers, Reay Henry Noble: HZM: 2 [2 - **2** - **2**].

Total Specimens for 20 October 1963: 6

21 October 1963

Mozambique: Save River, 15 km from mouth: Dalquest, Walter Woelberg: TTU: 3 [3 - **3** - **3**].

Total Specimens for 21 October 1963: 3

25 October 1963

Kenya: Waa: ?: Collector Unknown: LACM: 2 [2 - **2** - **2**].

Total Specimens for 25 October 1963: 2

26 October 1963

Angola: Fazenda Cacanda: Crawford de Meneses Cabral, João: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1963: 1

27 October 1963

Madagascar: Androhibe caves: Shaw, J.H.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 27 October 1963: 3

28 October 1963

Tanzania: Handajega: Plisnier, J.: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 28 October 1963: 2

30 October 1963

Egypt: Port Said, 10 mi S: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 30 October 1963: 3

1 November 1963

Congo: Odzala National Park: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kenya: Machakos: : LACM: 1 [1 - **1** - **1**].
Tanzania: Tanga: : LACM: 7 [7 - **7** - **7**].

Total Specimens for 1 November 1963: 9

2 November 1963

South Africa: Uitkomst, Farm 499: Cole, Ronald E.: USNM: 7 [7]; Risser, A.C.: USNM: 10 [10 - **17** - **17**].
Uganda: Karamoja district, S of: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1963: 18

3 November 1963

Kenya: Isiolo: : LACM: 1 [1 - **1**] - Ngombeni [caves]: Roberts, J.: USNM: 8 [8 - **8** - **9**].
South Africa: Uitkomst, Farm 499: Cole, Ronald E.: USNM: 10 [10]; Risser, A.C.: USNM: 9 [9 - **19** - **19**].

Total Specimens for 3 November 1963: 28

4 November 1963

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Egypt: Saqqara: Helmy, Ibrahim; Maser, Christopher: YPM: 1 [1 - **1** - **1**].
South Africa: Uitkomst, Farm 499: Cole, Ronald E.: USNM: 13 [13]; Risser, A.C.: USNM: 18 [18 - **31** - **31**].

Total Specimens for 4 November 1963: 34

5 November 1963

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Egypt: Gebel el Ahmar: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - NFD, Isiolo: Williams, J.: LACM: 1 [1 - **1** - **2**].

Total Specimens for 5 November 1963: 4

6 November 1963

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 6 November 1963: 2

7 November 1963

Congo: Brazzaville: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Dimonika: Descarpentier, A.; Villiers, A.: MNHN: 1 [1 - **1** - **2**].
Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1963: 3

9 November 1963

Zimbabwe: Wessex Farm Ruwa: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1963: 1

10 November 1963

Congo: Brazzaville: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1963: 1

12 November 1963

Congo: Brazzaville: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Zambia: Mfuwe Game Camp: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1963: 2

14 November 1963

Kenya: Donyo Sabuk: Seed, Robin D.: WNMU: 1 [1 - **1**] - Ol Donyo Sapuk, mount: Western New Mexico University: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 14 November 1963: 2

15 November 1963

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Karen: Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1963: 2

16 November 1963

Kenya: Karen: Start, Anthony N.: BMNH: 1 [1 - **1**] - Nairobi: ?: Collector Unknown: WAM: 1 [1 - **1** - **2**].
Tanzania: Banagi: Plisnier, J.: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1963: 3

17 November 1963

Congo: Sibiti: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kenya: Karen: Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1963: 2

18 November 1963

Zambia: Fort Jameson: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].
Zimbabwe: Mazoe: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1963: 2

19 November 1963

Congo: Sibiti: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1963: 1

20 November 1963

Congo: Sibiti: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kenya: Mathaiga: Seed, Robin D.: WNMU: 1 [1 - **1**] - Muthaiga: Western New Mexico University: FMNH: 1 [1 - **1**] - Ngomeni: Williams, A.E.; Williams, John George: ROM: 3 [3 - **3** - **5**].
Namibia: Namibia Desert Research Station [= DERU]: Cole, Ronald E.: USNM: 2 [2]; Risser, A.C.: USNM: 2 [2 - **4** - **4**].

Total Specimens for 20 November 1963: 10

21 November 1963

Congo: Sibiti: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1963: 1

22 November 1963

Congo: Sibiti: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Kenya: Ngong: Western New Mexico University: FMNH: 2 [2 - **2** - **2**].
Namibia: Gobabeb: Cole, Ronald E.: USNM: 1 [1 - **1**] - Namibia Desert Research Station [= DERU]: Cole, Ronald E.: USNM: 1 [1 - **1** - **2**].

Total Specimens for 22 November 1963: 6

23 November 1963

Congo: Sibiti: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1**] - Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 2 [2]; Van Orshoven, Jo: ZMA: 1 [1 - **3** - **4**].

Total Specimens for 23 November 1963: 9

24 November 1963

Kenya: Ol Donyo Sapuk, mount: Seed, Robin D.: WNMU: 1 [1]; Western New Mexico University: FMNH: 2 [2 - **3** - **3**].
Namibia: Namibia Desert Research Station [= DERU]: Cole, Ronald E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1963: 4

25 November 1963

Congo: Sibiti: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].
Namibia: Gobabeb: Cole, Ronald E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1963: 5

26 November 1963

Congo: Sibiti: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 26 November 1963: 3

28 November 1963

Congo: Sibiti: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
South Africa: Mkuzi Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1963: 2

29 November 1963

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 29 November 1963: 2

1 December 1963

Gabon: Makokou: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2** - **2**].
Kenya: Hoey's bridge: Williams, John George: ROM: 1 [1 - **1** - **1**].

South Africa: Mtunzini: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Simonstown: Visser, John: AMNH: 1 [1 - **1** - **2**].
Togo: Kouda Topki: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 1 December 1963: 9

2 December 1963

Zambia: Fort Jameson District: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1963: 1

5 December 1963

Gabon: Makokou: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1963: 1

7 December 1963

Congo: Sibiti: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Gabon: Makokou: Van Bree, Peter Johannes Hendrikus: ZMA: 5 [5 - **5** - **5**].
South Africa: Modderfontein, farm: Cole, Ronald E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1963: 7

8 December 1963

South Africa: Modderfontein: Cole, Ronald E.: USNM: 1 [1 - **1**] - Modderfontein, farm: Cole, Ronald E.: USNM: 1 [1]; Risser, A.C.: USNM: 1 [1 - **2**] - Springbok, 7 mi W: Risser, A.C.: USNM: 4 [4 - **4** - **7**].

Total Specimens for 8 December 1963: 7

10 December 1963

South Africa: Letsitele: ?: Collector Unknown: TM: 3 [3 - **3**] - Modderfontein, farm: Cole, Ronald E.: USNM: 2 [2]; Risser, A.C.: USNM: 4 [4 - **6** - **9**].

Total Specimens for 10 December 1963: 9

11 December 1963

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 4 [4 - **4** - **4**].
South Africa: Modderfontein, farm: Cole, Ronald E.: USNM: 2 [2]; Risser, A.C.: USNM: 2 [2 - **4** - **4**].

Total Specimens for 11 December 1963: 8

12 December 1963

Gabon: Makokou: ?: Collector Unknown: MNHN: 2 [2]; Mission Biologique au Gabon, La: ZMA: 1 [1 - **3** - **3**].
Kenya: Nyama Yango: Western New Mexico University: FMNH: 2 [2 - **2** - **2**].
South Africa: Modderfontein, farm: Risser, A.C.: USNM: 1 [1 - **1**] - Springbok, 7 mi W: Risser, A.C.: USNM: 1 [1 - **1** - **2**].
Tanzania: Mikindani: Andersen, Th.: ZFMK: 2 [2 - **2** - **2**].
Zimbabwe: Fairfield park: Begg, G.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1963: 10

13 December 1963

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **1**].
Tanzania: Mikindani: Andersen: ZFMK: 4 [4 - **4** - **4**].

Total Specimens for 13 December 1963: 5

15 December 1963

Congo: Brazzaville: Endrödy-Younga, Sebastian: HNHM: 1 [1 - **1** - **1**].
Gabon: Makokou: ?: Collector Unknown: MNHN: 1 [1]; Van Bree, Peter Johannes Hendrikus: ZMA: 10 [10 - **11** - **11**].
Kenya: Shimoni: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
South Africa: Mtunzini: ?: Collector Unknown: DNSM: 5 [5 - **5**] - Twin Streams: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].

Total Specimens for 15 December 1963: 19

18 December 1963

Tanzania: Banagi: Plisnier, J.: RBINS: 5 [5 - **5** - **5**].

Total Specimens for 18 December 1963: 5

19 December 1963

Congo: Meya-Nzouari,cave: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 3 [3 - **3** - **3**].
Gabon: Batouala: Van Bree, Peter Johannes Hendrikus: ZMA: 8 [8 - **8**] - Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **9**].

Total Specimens for 19 December 1963: 13

20 December 1963

Kenya: Nyama Yango: Western New Mexico University: FMNH: 3 [3 - **3**] - Shimoni: Foster, J.B.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 20 December 1963: 4

21 December 1963

Egypt: Aswan Tombs: Helmy, Ibrahim; Maser, Christopher: YPM: 11 [11 - **11** - **11**].

Total Specimens for 21 December 1963: 11

22 December 1963

Congo (Democratic Republic of the): Panda: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].
Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - Makokou: Van Bree, Peter Johannes Hendrikus: ZMA: 4 [4 - **4** - **5**].
Kenya: Archer's Post: Western New Mexico University: FMNH: 4 [4 - **4** - **4**].
Zambia: Livingstone: : NMZL: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1963: 11

23 December 1963

Gabon: Makokou: Van Bree, Peter Johannes Hendrikus: ZMA: 7 [7 - **7** - **7**].
Kenya: Cherangani Hills: Seed, Robin D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1963: 8

24 December 1963

Gabon: Makokou: Van Bree, Peter Johannes Hendrikus: ZMA: 3 [3 - **3** - **3**].
Tanzania: Banagi: Plisnier, J.: RBINS: 3 [3 - **3** - **3**].
Zambia: Kalabo: Hart, R.C.: NMZL: 4 [4 - **4** - **4**].

Total Specimens for 24 December 1963: 10

27 December 1963

Kenya: Archer's Post: Hutton-Seed, R.: ROM: 1 [1]; Western New Mexico University: FMNH: 2 [2 - **3** - **3**].

Total Specimens for 27 December 1963: 3

28 December 1963

Congo (Democratic Republic of the): Tshibati: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1963: 1

29 December 1963

Kenya: Kaptagat: Western New Mexico University: FMNH: 2 [2 - **2** - **2**].
Togo: Kouda Topki: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].

Total Specimens for 29 December 1963: 11

30 December 1963

Namibia: Windhoek: Yedmans: SMW: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1963: 1

31 December 1963

South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1963: 1

1 January 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **4**].
Ethiopia: Manera forest: Andral: MNHN: 2 [2 - **2** - **2**].
Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 7 [7 - **7**] - Bélinga, near: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2**] - Grottes de Massa: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - Makokou: Brosset, André: MNHN: 1 [1 - **1**] - Makokou and Bélinga, between: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **12**].
Namibia: Okahandja: ?: Collector Unknown: SMF: 1 [1]; : SMF: 1 [1 - **2** - **2**].
South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 3 [3 - **3** - **3**].
Tanzania: Tanga: Williams, John George: ROM: 4 [4 - **4** - **4**].

Total Specimens for 1 January 1964: 27

2 January 1964

Gabon: Makokou: Van Bree, Peter Johannes Hendrikus: ZMA: 7 [7 - **7** - **7**].
Kenya: Kaptagat: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1964: 8

3 January 1964

Congo (Democratic Republic of the): Kalomoni cave: Anciaux de Faveaux, Félix / Michel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 3 January 1964: 4

4 January 1964

Egypt: Nag Hammadi, 16 km S: Reed, C.A.: YPM: 6 [6 - **6** - **6**].
South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1964: 7

5 January 1964

Congo (Democratic Republic of the): Albertville: De Roo, Antoon Emeric Marcel: AMNH: 7, RMCA: 1 [8 - **8** - **8**].
Gabon: Makokou: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].
South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].
Zimbabwe: Fairfield park: Begg, G.: HZM: 2 [2 - **2** - **2**].

Total Specimens for 5 January 1964: 13

6 January 1964

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Jigiga Road bridge: Ingersol, R.H.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1964: 2

7 January 1964

Central African Republic: Bangui: Chippaux, A.: MNHN: 6 [6 - **6** - **6**].
Congo: Dimonika: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 9 [9 - **9**] - Grotte de Faucon: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - Grottes de Massa: Van Bree, Peter Johannes Hendrikus: ZMA: 15 [15 - **15** - **25**].

Total Specimens for 7 January 1964: 32

9 January 1964

Gabon: Grotte de Faucon: Van Bree, Peter Johannes Hendrikus: ZMA: 47 [47 - **47** - **47**].
Kenya: Rongai: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].

Tanzania: Bunduki: Stager, Kenneth E.: LACM: 2 [2 - **2** - **2**].

Total Specimens for 9 January 1964: 50

11 January 1964

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 8 [8 - **8** - **9**].

Total Specimens for 11 January 1964: 9

12 January 1964

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - Grottes de Massa: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 12 January 1964: 3

13 January 1964

Ghana: MomPort: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1964: 2

15 January 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1964: 1

16 January 1964

Mozambique: Marine Research Station: Cole, Ronald E.: USNM: 21 [21 - **21** - **21**].

Total Specimens for 16 January 1964: 21

17 January 1964

Congo: Dimonika: Descarpentier, A.; Villiers, A.: MNHN: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Isoga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Mozambique: Marine Research Station: Cole, Ronald E.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 17 January 1964: 6

18 January 1964

Mozambique: Marine Research Station: Cole, Ronald E.: USNM: 1 [1 - **1**] - Posto Inhaca: Cole, Ronald E.: USNM: 5 [5 - **5** - **6**].
Zambia: Jumbe: Dowsett, Robert Jack: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1964: 7

19 January 1964

Mozambique: Marine Research Station: Cole, Ronald E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1964: 1

20 January 1964

Egypt: Gebel Adda: Maser, Christopher; Seymour, Charles: YPM: 3 [3 - **3** - **3**].

Total Specimens for 20 January 1964: 3

21 January 1964

Congo: Dimonika: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 21 January 1964: 2

24 January 1964

South Africa: Brakfontein: Geldenhuys, P.J.: USNM: 6 [6]; Risser, A.C.: USNM: 9 [9 - **15**] - Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 3 [3 - **3** - **18**].

Total Specimens for 24 January 1964: 18

25 January 1964

Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 3 [3 - **3** - **3**].
Kenya: Nairobi: Williams, A.: LACM: 1 [1 - **1** - **1**].
South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1964: 5

26 January 1964

Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].
South Africa: De Hoop Provincial Nature Reserve: Risser, A.C.: USNM: 3 [3 - **3** - **3**].
Uganda: Entebbe: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].

Total Specimens for 26 January 1964: 6

27 January 1964

Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 27 January 1964: 2

28 January 1964

Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].
South Africa: De Hoop Provincial Nature Reserve: Geldenhuys, P.J.: USNM: 1 [1]; Risser, A.C.: USNM: 1 [1 - **2**] - De Hoop, 24 km NNE: Risser, A.C.: USNM: 1 [1 - **1** - **3**].

Total Specimens for 28 January 1964: 4

29 January 1964

Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].
Nigeria: Idere: Skirron, M.: HZM: 3 [3 - **3** - **3**].
South Africa: De Hoop Provincial Nature Reserve: Risser, A.C.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 29 January 1964: 9

31 January 1964

Congo (Democratic Republic of the): Kalomoni cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].
Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1964: 3

1 February 1964

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 4 [4 - **4** - **5**].
Gabon: Bélinga: ?: Collector Unknown: MNHN: 3 [3]; Mission Biologique au Gabon, La: ZMA: 4 [4]; Van Bree, Peter Johannes Hendrikus: ZMA: 3 [3 - **10** - **10**].
Kenya: Nairobi: Start, Anthony N.: WAM: 1 [1 - **1** - **1**].
South Africa: Deelfontein, Farm: Risser, A.C.: USNM: 7 [7 - **7** - **7**].

Total Specimens for 1 February 1964: 23

2 February 1964

Kenya: Karen: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - Nairobi: Foster, J.B.: ROM: 1 [1 - **1** - **2**].
South Africa: Deelfontein, Farm: Risser, A.C.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 2 February 1964: 7

3 February 1964

Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1964: 1

4 February 1964

Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1964: 1

5 February 1964

Zambia: Chipengali Area: Ansell, William Frank Harding: AMNH: 1 [1 - **1**] - Kongwe Hill: Ansell, William Frank Harding: BMNH: 2 [2]; Ansell, William Frank Harding; Wilson, Vivian J.: BMNH: 4 [4 - **6** - **7**].

Total Specimens for 5 February 1964: 7

6 February 1964

Congo (Democratic Republic of the): Kitutu: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Mozambique: Massangena: Moore, A.L.: USNM: 1 [1 - **1** - **1**].
Zambia: Chipengali Area: Wilson, Vivian J.: AMNH: 2 [2 - **2**] - Kongwe Hill: Ansell, William Frank Harding: BMNH: 2 [2]; Ansell, William Frank Harding; Wilson, Vivian J.: BMNH: 3 [3 - **5** - **7**].

Total Specimens for 6 February 1964: 9

7 February 1964

Egypt: Gebel Adda: Maser, Christopher; Seymour, Charles: YPM: 2 [2 - **2** - **2**].
Gabon: Makokou: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2** - **2**].
Mozambique: Massangena: Cole, Ronald E.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 7 February 1964: 8

8 February 1964

Mozambique: Massangena: Moore, A.L.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 8 February 1964: 4

9 February 1964

Congo (Democratic Republic of the): Kabwe: De Roo, Antoon Emeric Marcel: AMNH: 10 [10 - **10** - **10**].
Egypt: Gebel Adda: Maser, Christopher; Seymour, Charles: YPM: 4 [4 - **4** - **4**].

Total Specimens for 9 February 1964: 14

10 February 1964

Egypt: Gebel Adda: Maser, Christopher; Seymour, Charles: YPM: 1 [1 - **1** - **1**].
Gabon: Bélinga: Brosset, André: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1964: 2

11 February 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 3, KU: 1 [4 - **4** - **4**].
Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **2** - **2**].
Mozambique: Chigubo: Cole, Ronald E.: USNM: 12 [12 - **12** - **12**].

Total Specimens for 11 February 1964: 18

12 February 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **1**].
Egypt: Nag Misaw: Seymour, Charles: YPM: 2 [2 - **2** - **2**].
Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - Makokou: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 12 February 1964: 5

14 February 1964

Congo (Democratic Republic of the): Kitutu: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 2 [2 - **2** - **3**].
Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - Makokou: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 14 February 1964: 5

15 February 1964

Congo (Democratic Republic of the): Kitutu: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Gabon: Grottes de Massa: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].
South Africa: Coloniesplaats: Risser, A.C.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 15 February 1964: 7

16 February 1964

Egypt: Nag Misaw: Seymour, Charles: YPM: 3 [3 - **3** - **3**].

Total Specimens for 16 February 1964: 3

17 February 1964

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Kananga: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **2**].
Egypt: Nag Misaw: Seymour, Charles: YPM: 2 [2 - **2** - **2**].
Mozambique: Chigubo: Cole, Ronald E.: USNM: 18 [18 - **18** - **18**].
Tanzania: Mtwara region: Andersen, Th.: SMF: 1 [1 - **1** - **1**].
Uganda: Entebbe: Mutere, Festo Abby: BMNH: 1 [1 - **1** - **1**].
Zambia: Lutembue river E.: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1964: 25

18 February 1964

Egypt: Nag Misaw: Seymour, Charles: YPM: 1 [1 - **1** - **1**].
Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].
Kenya: Nyama Yango: Seed, F.G.: WNMU: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1964: 3

20 February 1964

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 5 [5 - **5** - **5**].
Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - Grottes de Massa: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2** - **3**].

Total Specimens for 20 February 1964: 8

21 February 1964

Botswana: Shakawe: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **2**].
Mozambique: Chimonzo: Cole, Ronald E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1964: 4

22 February 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **1**].
Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 22 February 1964: 3

23 February 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **1**].
Mozambique: Chimonzo: Cole, Ronald E.: USNM: 16 [16 - **16** - **16**].

Total Specimens for 23 February 1964: 17

24 February 1964

South Africa: Pirie Trout hatchery: Risser, A.C.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 24 February 1964: 3

25 February 1964

Gabon: Makokou: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2** - **2**].
Mozambique: Chimonzo: Moore, A.L.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 25 February 1964: 6

26 February 1964

Botswana: Maun: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Mozambique: Chimonzo: Cole, Ronald E.: USNM: 10 [10 - **10** - **10**].
South Africa: Burgers Park: Coetzee, C.G.: TM: 2 [2 - **2** - **2**].
Tanzania: Muhange: Rees, A.F.; Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1964: 14

27 February 1964

Kenya: Marsabit mountain: Williams, John George: YPM: 1 [1 - **1**] - Mount Marsabit: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **2**].

Total Specimens for 27 February 1964: 2

29 February 1964

Kenya: Mount Marsabit: Williams, A.E.; Williams, John George: ROM: 5 [5 - **5** - **5**].

Total Specimens for 29 February 1964: 5

1 March 1964

Congo (Democratic Republic of the): Kitutu: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Gabon: Bélinga: ?: Collector Unknown: MNHN: 2 [2]; : ZMA: 1 [1]; Mission Biologique au Gabon, La: ZMA: 2 [2 - **5**] - Bengoué: Brosset, André: ZMA: 2 [2 - **2**] - Grottes de Massa: ?: Collector Unknown: MNHN: 1 [1 - **1** - **8**].
Mozambique: Inyoka Mountain: Cole, Ronald E.: USNM: 1 [1]; Cole, Ronald E.; Haacke, W.: USNM: 4 [4 - **5** - **5**].
South Africa: Mtunzini: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 March 1964: 16

2 March 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Kenya: Nyama Yango: Seed, F.G.: WNMU: 1 [1 - **1** - **1**].
Seychelles: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 2 March 1964: 4

3 March 1964

Kenya: Sirmai: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2** - **2**].
Tanzania: Mombo: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1964: 3

4 March 1964

Kenya: Kapenguria: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **1**].
Zambia: Mpomwa Hills: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - Mpomwa Hills, below: Wilson, Vivian J.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 4 March 1964: 3

6 March 1964

Congo (Democratic Republic of the): Kailo: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1964: 1

7 March 1964

Kenya: Olorgasailie: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **1**].
Zambia: Fort Jameson: : NMZL: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1964: 2

8 March 1964

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 8 March 1964: 2

9 March 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Tanzania: Mikindani: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1964: 2

10 March 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Kenya: Kapenguria: Williams, A.E.; Williams, John George: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **3**] - Sigor: Williams, John George: LACM: 2 [2 - **2** - **5**].
Malawi: Kota Kota: Govt. Agent, Kota-Kota: BMNH: 46 [46 - **46** - **46**].

Total Specimens for 10 March 1964: 53

11 March 1964

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **2**].
Ghana: Kumasi: Allison, F.R.: BMNH: 2 [2 - **2** - **2**].
Kenya: Cherangani Hills: Mumford, Russell E.: ROM: 1 [1]; Temple, Alexander: WNMU: 1 [1 - **2**] - Cherangany: Western New Mexico University: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 11 March 1964: 7

12 March 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Mozambique: Moamba: Cole, Ronald E.: USNM: 10 [10 - **10** - **10**].
South Africa: Knoffelfontein: Risser, A.C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1964: 12

13 March 1964

Congo (Democratic Republic of the): Kananga: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1964: 1

14 March 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
South Africa: Knoffelfontein: Risser, A.C.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 14 March 1964: 6

15 March 1964

Congo (Democratic Republic of the): Léopoldville: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **2**].
Zambia: Choma district: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1964: 3

16 March 1964

Congo (Democratic Republic of the): Irangi: Kunkel, P.: SMF: 1 [1 - **1**] - Kivu region: Kunkel, P.: SMF: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **5**].

Total Specimens for 16 March 1964: 5

17 March 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Tanzania: Mikindani: Andersen, Th.: SMF: 1 [1 - **1**] - Mtwara region: Andersen, Th.: SMF: 1 [1 - **1** - **2**].

Total Specimens for 17 March 1964: 4

18 March 1964

Kenya: Kapenguria: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1964: 1

19 March 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Egypt: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Glen: Risser, A.C.: USNM: 22 [22 - **22** - **22**].
Sudan: Abu Tiga Forest Reserve: Gaudchau, M.: SMF: 6 [6 - **6** - **6**].

Total Specimens for 19 March 1964: 30

20 March 1964

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].
Kenya: Archer's Post: Williams, John George: ROM: 3 [3 - **3** - **3**].
South Africa: Glen: Risser, A.C.: USNM: 9 [9 - **9** - **9**].
Tanzania: Mikindani: Andersen, Th.: SMF: 4 [4 - **4**] - Uto farm: Ebeling: ZMZ: 1 [1 - **1** - **5**].

Total Specimens for 20 March 1964: 19

21 March 1964

Kenya: Archer's Post: Williams, John George: ROM: 1 [1 - **1** - **1**].
Tanzania: Mikindani: Andersen, Th.: SMF: 5 [5 - **5** - **5**].

Total Specimens for 21 March 1964: 6

22 March 1964

Kenya: Mount Suswa: Simons, J.W.: FMNH: 6 [6 - **6** - **6**].
South Africa: Glen: Risser, A.C.: USNM: 3 [3 - **3**] - Newington: Dixon, J.; Baddeley, M. St. C.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 22 March 1964: 10

23 March 1964

Uganda: Kampala: Kahl, M.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1964: 1

24 March 1964

Mozambique: Mombane: Cole, Ronald E.: USNM: 8 [8 - **8** - **8**].

Total Specimens for 24 March 1964: 8

25 March 1964

Congo (Democratic Republic of the): Ganda-Sundi: Fain, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 March 1964: 2

26 March 1964

Côte d'Ivoire: I.D.E.R.T.: ORSTOM: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1964: 1

27 March 1964

Kenya: Kapenguria: Williams: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1964: 1

28 March 1964

Gabon: Bengoue: : ZMA: 1 [1 - **1** - **1**].
Kenya: Hoey's bridge: Start, Anthony N.; Temple, A.M.G.: BMNH: 1 [1 - **1** - **1**].
Zambia: Mfuwe: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1964: 3

29 March 1964

Congo (Democratic Republic of the): Ganda-Sundi: Fain, Alexandre: RMCA: 1 [1 - **1**] - Thysville: De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6** - **7**].
Kenya: Archer's Post: Western New Mexico University: FMNH: 2 [2 - **2** - **2**].
Zambia: Luangwa: Ansell, William Frank Harding: BMNH: 2 [2 - **2**] - Mfuwe: Ansell, William Frank Harding: BMNH: 5, NHMZ: 1 [6 - **6**] - Mfuwe Game Camp: Ansell, William Frank Harding: BMNH: 2 [2 - **2**] - South Luangwa Valley, Mfuwe: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **11**].

Total Specimens for 29 March 1964: 20

30 March 1964

South Africa: Ndumo Police Post: Dixon, J.; Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].
Zambia: Luangwa: Ansell, William Frank Harding: BMNH: 2 [2 - **2**] - Mfuwe: Ansell, William Frank Harding: NHMZ: 1 [1 - **1**] - Mfuwe Game Camp: Ansell, William Frank Harding: BMNH: 2 [2 - **2** - **5**].

Total Specimens for 30 March 1964: 7

31 March 1964

Congo (Democratic Republic of the): Ganda-Sundi: Fain, Alexandre: RMCA: 15 [15 - **15** - **15**].
Tanzania: Northeastern Tanzania: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1964: 16

1 April 1964

Tanzania: Tanga: Williams, John George: ROM: 3 [3 - **3** - **3**].

Total Specimens for 1 April 1964: 3

2 April 1964

Tanzania: Tanga: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2**] - Uto farm: Ebeling: ZMZ: 1 [1 - **1** - **3**].

Total Specimens for 2 April 1964: 3

4 April 1964

Congo (Democratic Republic of the): Léopoldville: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5** - **5**].
Egypt: Abu Sir cave: Seymour, Charles: YPM: 1 [1]; Seymour, Charles; Mathiasson, S.: YPM: 12 [12 - **13** - **13**].
Kenya: Ngong: Williams, A.E.; Williams, John George: ROM: 3 [3 - **3** - **3**].

Total Specimens for 4 April 1964: 21

5 April 1964

Kenya: Ngong: Williams, John George: ROM: 1 [1 - **1**] - Ulu: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **2**].

Total Specimens for 5 April 1964: 2

6 April 1964

Congo (Democratic Republic of the): Lovanium university: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Zambia: Abercorn: Vesey-FitzGerald, Leslie Desmond Edward Foster: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1964: 2

7 April 1964

Kenya: Kitale: Temple, A.M.G.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1964: 1

8 April 1964

Kenya: Nairobi: ?: Collector Unknown: ROM: 2 [2 - **2** - **2**].
Mozambique: Massinga, 2 km N: Cole, Ronald E.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 8 April 1964: 5

9 April 1964

Kenya: Ngong: Williams, John George: HZM: 1, ROM: 1 [2 - **2** - **2**].
Mozambique: Massinga, 2 km N: Cole, Ronald E.: USNM: 25 [25 - **25** - **25**].

Total Specimens for 9 April 1964: 27

10 April 1964

Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1964: 1

11 April 1964

Kenya: Cherangani Hills: Williams, John George: ROM: 1 [1 - **1** - **1**].
Mozambique: Massinga: Cole, Ronald E.: USNM: 14 [14 - **14**] - Massinga, 2 km S: Cole, Ronald E.: USNM: 2 [2 - **2** - **16**].

Total Specimens for 11 April 1964: 17

12 April 1964

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Tanzania: Tanga: Bampton, I.: ROM: 2 [2]; Williams, John George: LACM: 1, ROM: 3 [4 - **6** - **6**].

Total Specimens for 12 April 1964: 7

13 April 1964

Mozambique: Jangamo: Cole, Ronald E.: USNM: 9 [9 - **9**] - Jongamo: Cole, Ronald E.: USNM: 1 [1 - **1** - **10**].

Total Specimens for 13 April 1964: 10

14 April 1964

Mozambique: Jangamo: Cole, Ronald E.: USNM: 2 [2 - **2** - **2**].
Sudan: Zalingei: El Sayed: ROM: 1 [1 - **1** - **1**].
Tanzania: Tanga: Bampton, I.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 14 April 1964: 5

15 April 1964

Kenya: Cherangani Hills: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1964: 1

16 April 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Mozambique: Jongamo: Cole, Ronald E.: USNM: 21 [21 - **21** - **21**].

Total Specimens for 16 April 1964: 23

17 April 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 17 April 1964: 6

18 April 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Tanzania: Tanga: Bampton, I.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1964: 3

19 April 1964

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 19 April 1964: 3

20 April 1964

Kenya: Archer's Post: Seed, Robin D.: CM: 1 [1]; Williams, John George: CM: 1, HZM: 4, ROM: 3 [8]; Williams, John George; Mumford, Russell E.: ROM: 1 [1 - **10**] - Ferguson's Gulf: Hayward, Bruce Joliffe: CM: 4 [4 - **4** - **14**].
Mozambique: Panda, 4 km N: Cole, Ronald E.: USNM: 10 [10 - **10** - **10**].
Tanzania: Tanga: Bampton, I.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 20 April 1964: 27

21 April 1964

Congo (Democratic Republic of the): Kinshasa: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **2**].
Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2** - **2**].
Kenya: Kilifi: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2** - **2**].
Mozambique: Panda: Cole, Ronald E.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 21 April 1964: 16

22 April 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].
South Africa: Mkuzi Game Reserve: Heist, T.A.: USNM: 1 [1]; Henry, T.: USNM: 25 [25 - **26** - **26**].

Total Specimens for 22 April 1964: 29

23 April 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1964: 1

24 April 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].
Senegal: Richard Toll: Roux, Francis: MNHN: 1 [1 - **1** - **1**].
South Africa: Makatini Flats, 20 mi [=32 km] E: Hughes, G.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1964: 5

25 April 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
South Africa: Makatini Flats, 20 mi [=32 km] E: Risser, A.C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1964: 2

26 April 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Ethiopia: Lake Langano: Hengsterberg: SMF: 2 [2 - **2** - **2**].
South Africa: Makatini Flats, 20 mi [=32 km] E: Dixon, J.: USNM: 1 [1]; Risser, A.C.: USNM: 2 [2 - **3** - **3**].

Total Specimens for 26 April 1964: 7

27 April 1964

Mozambique: Coguno: Cole, Ronald E.: USNM: 18 [18 - **18** - **18**].

Total Specimens for 27 April 1964: 18

28 April 1964

Kenya: El Molo Island: Seed, F.G.: ROM: 1 [1 - **1**] - Loyangalani, 4 mi [= 6 km] from: Western New Mexico University: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 28 April 1964: 2

29 April 1964

Congo (Democratic Republic of the): Thysville: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 29 April 1964: 2

1 May 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Zambia: Kalabo: Hart: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1964: 2

2 May 1964

Congo (Democratic Republic of the): Kinshasa: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1964: 1

3 May 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1964: 1

4 May 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].
South Africa: Manguzi village: Heist, T.A.: USNM: 1 [1 - **1**] - Maputa: Dixon, J.: USNM: 4 [4]; Hughes, G.: USNM: 3 [3]; Risser, A.C.: USNM: 4 [4 - **11** - **12**].

Total Specimens for 4 May 1964: 15

5 May 1964

South Africa: Maputa: Dixon, J.: USNM: 10 [10]; Risser, A.C.: USNM: 13 [13 - **23** - **23**].

Total Specimens for 5 May 1964: 23

6 May 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Zambia: Lochinvar: Van Noten, Francis: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1964: 2

7 May 1964

Kenya: Nairobi: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
South Africa: Kosi Bay: Risser, A.C.: USNM: 1 [1 - **1**] - Maputa: Risser, A.C.: USNM: 1 [1 - **1** - **2**].

Total Specimens for 7 May 1964: 3

8 May 1964

Uganda: Kampala: Kahl, M.P.: ROM: 2 [2 - **2**] - Makerere Hill: Kahl, M.P.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 8 May 1964: 3

10 May 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 10 May 1964: 12

11 May 1964

Kenya: Ngong: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 11 May 1964: 2

13 May 1964

Kenya: Ol Tukai lodge: Struhsaker, Thomas T.: MSU: 2 [2 - **2** - **2**].

Total Specimens for 13 May 1964: 2

14 May 1964

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **2**].
South Africa: Ndumo Game Reserve: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1964: 3

15 May 1964

Côte d'Ivoire: Toumodi sud: Bellier, Louis: RMCA: 1 [1 - **1** - **1**].
Tanzania: Uto farm: ?: Collector Unknown: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1964: 2

17 May 1964

Kenya: Ol Tukai lodge: Struhsaker, Thomas T.: MSU: 3 [3 - **3** - **3**].

Total Specimens for 17 May 1964: 3

20 May 1964

Tanzania: Tanga: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 May 1964: 1

24 May 1964

Congo (Democratic Republic of the): Kiliza: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 24 May 1964: 2

25 May 1964

Congo (Democratic Republic of the): Kiliza: Prigogine, Alexandre: RMCA: 3 [3 - **3** - **3**].
Kenya: Cherangani Hills: Temple, A.M.G.: WAM: 1 [1 - **1** - **1**].
Zambia: Kalabo: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1964: 5

26 May 1964

Congo (Democratic Republic of the): Kiliza: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].
Kenya: Garibete Water Hole: Start, Anthony N.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1964: 3

27 May 1964

Kenya: Mombasa, S of: Roberts: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1964: 1

28 May 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **2**].
Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - Toumodi sud: Bellier, Louis: RMCA: 2 [2 - **2** - **5**].

Total Specimens for 28 May 1964: 7

30 May 1964

"Africa": Unknown locality: ORSTOM: ZMA: 1 [1 - **1**] - Bélinga or Lamto: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Lamto: Bellier, Louis: ZMA: 1 [1]; Vissault, Jacques: ZMA: 1 [1 - **2**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 7 [7 - **7** - **9**].
Kenya: Lake Naivasha: Williams, A.E.: ROM: 1 [1]; Williams, John George: ROM: 4 [4 - **5**] - Voi: Foster, J.B.: ROM: 1 [1 - **1** - **6**].

Total Specimens for 30 May 1964: 18

31 May 1964

Kenya: Granite Hills, Mombaso Road: Williams, John George: ROM: 10 [10 - **10**] - Koru: Start, Anthony N.: WAM: 1 [1 - **1**] - Simba River: Williams, John George: ROM: 3 [3 - **3** - **14**].
Tanzania: Uto farm: ?: Collector Unknown: ZMZ: 2 [2]; Ebeling: ZMZ: 1 [1 - **3** - **3**].

Total Specimens for 31 May 1964: 17

1 June 1964

Congo (Democratic Republic of the): Unknown locality: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1964: 1

2 June 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **2**].
Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Kenya: Koru: Williams, John George: ROM: 12 [12 - **12** - **12**].

Total Specimens for 2 June 1964: 15

3 June 1964

Congo (Democratic Republic of the): Kitongo: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **3**].
Côte d'Ivoire: Lamto: ORSTOM: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 4 [4 - **4** - **5**].

Total Specimens for 3 June 1964: 8

4 June 1964

Congo (Democratic Republic of the): Kitongo: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Kivu region: Kunkel, P.: SMF: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 4 June 1964: 3

5 June 1964

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 4 [4 - **4** - **4**].
Kenya: Ngong: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 5 June 1964: 6

6 June 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].
Tanzania: Uto farm: ?: Collector Unknown: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1964: 4

7 June 1964

Kenya: Ol Tukai lodge: Struhsaker, Thomas T.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1964: 1

9 June 1964

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 9 June 1964: 1

10 June 1964

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **3**].
South Africa: Spring Grove: ?: Collector Unknown: NM: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1964: 4

11 June 1964

Kenya: Mombasa, cave near: Roberts: USNM: 2 [2]; Roberts, J.: USNM: 12 [12 - **14**] - Mombasa, well S: Roberts, J.: USNM: 1 [1 - **1** - **15**].

Total Specimens for 11 June 1964: 15

13 June 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Kenya: Kampi ya Samaki: Williams, John George: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1964: 2

14 June 1964

Kenya: Baringo, lake: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1964: 1

16 June 1964

Botswana: Tuli Block, Gesond Ltd: Prozesky, O.P.M.;Coetzee, C.G.;White, A.G.;Haacke, W.;Goode, G.;Stenyard, U.;Tuli Block Exp., the: TM: 1 [1 - **1** - **1**].
Kenya: Lake Naivasha: Buonajun, A.: WNMU: 1 [1 - **1**] - Mount Ololdiani: Western New Mexico University: FMNH: 1 [1 - **1**] - Naivasha, 2 mi [= 3.2 km] SE: Western New Mexico University: FMNH: 1 [1 - **1**] - Nyama Yango: Western New Mexico University: FMNH: 1 [1 - **1** - **4**].
Zimbabwe: Karoi: Smithers, Reay Henry Noble: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1964: 7

17 June 1964

Botswana: Tuli Block, Gesond Ltd: Prozesky, O.P.M.;Coetzee, C.G.;White, A.G.;Haacke, W.;Goode, G.;Stenyard, U.;Tuli Block Exp., the: TM: 3 [3 - **3** - **3**].
Tanzania: Mikindani: Andersen, Th.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1964: 4

18 June 1964

Côte d'Ivoire: Korhogo: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].
Kenya: Ukunda, cave: Roberts, J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1964: 2

19 June 1964

Botswana: Tuli Block, Gesond Ltd: Prozesky, O.P.M.;Coetzee, C.G.;White, A.G.;Haacke, W.;Goode, G.;Stenyard, U.;Tuli Block Exp., the: TM: 1 [1 - **1** - **1**].
Congo: Doumboula Cave [= Grotte de Doumboula]: Adam, Jean-Paul: MNHN: 1 [1 - **1**] - Grotte de Doumboula: Adam, Jean-Paul: MNHN: 4 [4 - **4** - **5**].

Total Specimens for 19 June 1964: 6

20 June 1964

Congo: Brazzaville: Taufflieb, R.: MHNG: 1 [1 - **1**] - Loudima cave: Taufflieb, R.: MHNG: 2 [2 - **2** - **3**].

Total Specimens for 20 June 1964: 3

22 June 1964

Congo (Democratic Republic of the): Lwiro: Svepel: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1964: 1

24 June 1964

Kenya: Akuryo waterhole, near: MCZ Paleological Expedition, The: MCZ: 16 [16 - **16** - **16**].

Total Specimens for 24 June 1964: 16

26 June 1964

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: MNHN: 1, ORSTOM: 5 [6 - **6** - **7**].

Total Specimens for 26 June 1964: 7

28 June 1964

Congo (Democratic Republic of the): Kasowena cave: Anciaux de Faveaux, Félix / Michel: RMCA: 8 [8 - **8**] - Mwanga cave: Anciaux de Faveaux, Félix / Michel: RMCA: 5 [5 - **5** - **13**].
Mozambique: Muchena: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1964: 14

30 June 1964

Congo (Democratic Republic of the): Mwanga cave: Anciaux de Faveaux, Félix / Michel: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 30 June 1964: 7

1 July 1964

Botswana: Tamafuhi: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - Tamafupi: Smithers, Reay Henry Noble: HZM: 2 [2 - **2** - **3**].
Kenya: Escarpment Kampi ya Samaki: Williams, John George: ROM: 1 [1 - **1**] - Kongelai Escarpment, Tambala Falls: Williams, John George: ROM: 2 [2 - **2** - **3**].
Namibia: Farm Sissekab: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1964: 7

2 July 1964

Kenya: Magadi: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1964: 1

3 July 1964

Kenya: Magadi: Williams, John George: ROM: 1 [1 - **1** - **1**].
Zimbabwe: Sentinel Ranch: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1964: 2

5 July 1964

Kenya: Renshaw Barberton Farm: MCZ Paleological Expedition, The: MCZ: 37 [37 - **37** - **37**].

Total Specimens for 5 July 1964: 37

6 July 1964

Kenya: Lake Magadi: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1964: 1

7 July 1964

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].

Total Specimens for 7 July 1964: 1

8 July 1964

Congo (Democratic Republic of the): Lovanium university: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1964: 1

10 July 1964

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1**] - Lwiro: Svepel: ZMZ: 1 [1 - **1** - **2**].

Total Specimens for 10 July 1964: 2

11 July 1964

Kenya: Ngong: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].
Mozambique: Boane: Davis, R.M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1964: 2

12 July 1964

Rwanda: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 12 July 1964: 2

13 July 1964

Kenya: Kampi Ya Samalei: Williams, John George: MCZ: 1 [1 - **1**] - Kampiva Samdet, near: Williams, John George: YPM: 2 [2 - **2** - **3**].
Mozambique: Boane, 10 km N: Setzer, Henry W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 13 July 1964: 5

14 July 1964

Congo (Democratic Republic of the): Ibebero: Svepel: ZMZ: 1 [1 - **1**] - Lwiro: Svepel: ZMZ: 2 [2 - **2** - **3**].
Kenya: Lake Baringo Escarpment: Williams, John George: LACM: 3 [3 - **3**] - Lake Baringo, Escarpment: Williams, John George: ROM: 1 [1 - **1** - **4**].

Total Specimens for 14 July 1964: 7

15 July 1964

Central African Republic: Bangui: Chippaux, A.: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Lwiro: Svepel: ZMZ: 1 [1 - **1** - **1**].
Kenya: Escarpment Kampi ya Samaki: Williams, John George: LACM: 1 [1 - **1** - **1**].
Namibia: Karakuwisa: Buys, P.J.: SMW: 4 [4 - **4** - **4**].

Total Specimens for 15 July 1964: 7

16 July 1964

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Namibia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Karakuwisa: Rau, R.: SMF: 1 [1 - **1** - **3**].

Total Specimens for 16 July 1964: 4

17 July 1964

Congo (Democratic Republic of the): Lwiro: Svepel: ZMZ: 1 [1 - **1** - **1**].
Uganda: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1964: 2

18 July 1964

Kenya: Amboseli Game Reserve: Foster, J.B.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1964: 1

19 July 1964

Congo (Democratic Republic of the): Kivu: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Kenya: Kaijido district: Foster, J.B.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1964: 2

20 July 1964

Mozambique: Tete, 2 mi SE: Setzer, Henry W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 20 July 1964: 2

21 July 1964

Kenya: Kampi Ya Samaki: Williams, John George: ROM: 1 [1 - **1**] - Lake Baringo: Williams, John George: ROM: 1 [1 - **1** - **2**].
Madagascar: Hellville, 3 km E: Humes, Arthur Grover; Berger, J.: USNM: 1 [1 - **1** - **1**].
Mozambique: Muchena: ?: Collector Unknown: TM: 1 [1 - **1**] - Tete, 2 mi E: ?: Collector Unknown: TM: 4 [4 - **4**] - Tete, 2 mi SE: ?: Collector Unknown: TM: 8 [8]; Davis, R.M.: USNM: 9 [9]; Herbert, H.J.: USNM: 1 [1]; Lingebach, J.C.: USNM: 11 [11]; Setzer, Henry W.: USNM: 19 [19 - **48**] - Vila Machado: Davis, R.M.: USNM: 4 [4]; Herbert, H.J.: USNM: 2 [2 - **6** - **59**].
Zambia: Matabele plain: Benson, Constantine ("Con") Walter: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1964: 63

22 July 1964

Kenya: Kongelai: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2**] - Kongelai Escarpment: Williams, John George: LACM: 2 [2 - **2** - **4**].
Mozambique: Tete, 2 mi SE: Lingebach, J.C.: USNM: 10 [10]; Setzer, Henry W.: USNM: 14 [14 - **24**] - Vila Machado: Davis, R.M.: USNM: 4 [4 - **4** - **28**].

Total Specimens for 22 July 1964: 32

23 July 1964

Kenya: Kongelai Escarpment, Tambala Falls: Williams, John George: ROM: 2 [2 - **2** - **2**].
Mozambique: Tete, 2 mi E: ?: Collector Unknown: TM: 19 [19 - **19**] - Tete, 2 mi SE: ?: Collector Unknown: TM: 7 [7]; Case, J.: USNM: 6 [6]; Davis, R.M.: USNM: 26 [26]; Herbert, H.J.: USNM: 20 [20]; Lingebach, J.C.: USNM: 30 [30]; Setzer, Henry W.: USNM: 14 [14 - **103** - **122**].

Total Specimens for 23 July 1964: 124

24 July 1964

Kenya: Kongelai Escarpment: Williams, John George: ROM: 1 [1 - **1**] - Kongelai Escarpment, Tambala Falls: Williams, John George: ROM: 2 [2 - **2** - **3**].
Mozambique: Muchena: ?: Collector Unknown: TM: 2 [2 - **2**] - Tete, 2 mi E: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].
Zimbabwe: Gokwe: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 24 July 1964: 8

25 July 1964

Mozambique: Muchena: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1964: 1

27 July 1964

Mozambique: Muchena: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1964: 1

28 July 1964

Mozambique: Muchena: ?: Collector Unknown: TM: 12 [12]; Coetzee, C.G.; Smithsonian Expedition, The: TM: 1 [1]; Setzer, Henry W.: USNM: 10 [10 - **23** - **23**].
Uganda: Entebbe: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].

Zimbabwe: Fern Valley: Pletts, R.E.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1964: 25

29 July 1964

Mozambique: Muchena: ?: Collector Unknown: TM: 13 [13]; Coetzee, C.G.: TM: 2 [2]; Davis, R.M.: USNM: 11 [11]; Hardy, A.R.: USNM: 10 [10]; Herbert, H.J.: USNM: 19 [19]; Lingebach, J.C.: USNM: 20 [20]; Setzer, Henry W.: USNM: 35 [35 - **110**] - Tete district: Coetzee, C.G.: TM: 1 [1 - **1** - **111**].

Total Specimens for 29 July 1964: 111

31 July 1964

Kenya: Ngombeni [caves]: Roberts, J.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 31 July 1964: 2

1 August 1964

Congo (Democratic Republic of the): Lwiro: Goepel, U.: ZMZ: 1 [1 - **1** - **1**].
Kenya: Baringo, lake: Williams, John George: ROM: 5 [5 - **5**] - Kilifi: Start, Anthony N.: WAM: 1 [1 - **1**] - Shimoni: Start, Anthony N.: WAM: 1 [1 - **1** - **7**].
Liberia: Monrovia: Wilkes, L.W.: HZM: 4 [4 - **4** - **4**].
Namibia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1964: 13

5 August 1964

Mozambique: Furancungo, 30 mi NNW: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1964: 1

6 August 1964

Mozambique: Furancungo, 30 mi NNW: Coetzee, C.G.: TM: 2, USNM: 9 [11 - **11**] - Tete district: Coetzee, C.G.: TM: 2 [2 - **2** - **13**].
Namibia: Omuramba, Omatako: Buys, P.J.: SMW: 3 [3 - **3** - **3**].

Total Specimens for 6 August 1964: 16

7 August 1964

Mozambique: Furancungo, 30 mi NNW: Davis, R.M.: USNM: 4 [4]; Hardy, A.R.: USNM: 4 [4]; Herbert, H.J.: USNM: 4 [4]; Lingebach, J.C.: USNM: 5 [5 - **17**] - Vila Gamito: Coetzee, C.G.; Smithsonian Expedition, The: TM: 1 [1 - **1** - **18**].

Total Specimens for 7 August 1964: 18

8 August 1964

Congo (Democratic Republic of the): Lwiro: Goepel, U.: ZMZ: 2 [2 - **2** - **2**].
Tanzania: Mikindani: Andersen, Th.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 8 August 1964: 4

9 August 1964

Congo (Democratic Republic of the): Kakanda cave: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Kimilili, near: Jones, Theo Simpson: ROM: 19 [19 - **19** - **19**].
Mozambique: Vila Gamito: ?: Collector Unknown: TM: 14 [14]; Coetzee, C.G.; Smithsonian Expedition, The: TM: 9 [9]; Davis, R.M.: USNM: 13 [13]; Herbert, H.J.: USNM: 6 [6]; Setzer, Henry W.: USNM: 7 [7 - **49**] - Vila Gamito, 10 km N: Davis, R.M.: USNM: 12 [12]; Hardy, A.R.: USNM: 58 [58]; Herbert, H.J.: USNM: 6 [6]; Lingebach, J.C.: USNM: 20 [20]; Setzer, Henry W.: USNM: 30 [30 - **126** - **175**].

Total Specimens for 9 August 1964: 195

10 August 1964

Kenya: Baringo, lake: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1964: 1

12 August 1964

Congo (Democratic Republic of the): Kakanda cave: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1964: 1

13 August 1964

Congo (Democratic Republic of the): Kakanda cave: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1964: 1

14 August 1964

Kenya: Shimoni: Western New Mexico University: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 14 August 1964: 4

15 August 1964

Kenya: Laikipia ranch: Robson, M.U.; Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1964: 1

16 August 1964

Kenya: Akuryo waterhole, near: MCZ Paleological Expedition, The: MCZ: 6 [6 - **6**] - Shimoni: Start, Anthony N.: WNMU: 1 [1 - **1**] - Sultan Hamud: Start, Anthony N.: WNMU: 1 [1 - **1** - **8**].

Total Specimens for 16 August 1964: 8

17 August 1964

Congo (Democratic Republic of the): Irangi: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Kenya: Tsavo East-NP, Rhino Corner: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
Mozambique: Chicona, 14 mi ESE: Herbert, H.J.: USNM: 1 [1 - **1**] - Mungari, 5 km N: Lingebach, J.C.: USNM: 1 [1 - **1** - **2**].

Total Specimens for 17 August 1964: 4

18 August 1964

Kenya: Amboseli: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
Mozambique: Mungari, 5 km N: Davis, R.M.: USNM: 3 [3 - **3** - **3**].
Tanzania: Kidugallo: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1964: 5

19 August 1964

Mozambique: Mungari, 5 km N: Davis, R.M.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 19 August 1964: 2

20 August 1964

Kenya: Kipkabus: Robson, M.W.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1964: 1

21 August 1964

Congo (Democratic Republic of the): Kakanda cave: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1964: 1

22 August 1964

Mozambique: Mague: ?: Collector Unknown: TM: 1 [1]; Coetzee, C.G.: TM: 1 [1 - **2**] - Mague: Herbert, H.J.: USNM: 2 [2 - **2**] - Mague, new: Coetzee, C.G.: TM: 5 [5 - **5** - **9**].
Tanzania: Lake Natron: Leakey, P.: BMNH: 4 [4 - **4**] - Natron, W side lake: Leaket: BMNH: 2 [2 - **2** - **6**].

Total Specimens for 22 August 1964: 15

23 August 1964

Mozambique: Mague: Herbert, H.J.: USNM: 27 [27 - **27**] - Tete, 2 mi SE: Herbert, H.J.: USNM: 2 [2 - **2**] - Vila Gouveia: Davis, R.M.: USNM: 13 [13 - **13** - **42**].

Total Specimens for 23 August 1964: 42

24 August 1964

Kenya: Sokoke Forest: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].
Mozambique: Vila Gouveia: Davis, R.M.: USNM: 11 [11]; Lingebach, J.C.: USNM: 7 [7 - **18** - **18**].

Total Specimens for 24 August 1964: 19

25 August 1964

Mozambique: Vila Gouveia: Davis, R.M.: USNM: 6 [6]; Lingebach, J.C.: USNM: 1 [1 - **7** - **7**].
Rwanda: Uwinka: Goepel, U.: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1964: 8

26 August 1964

Zambia: Nyimba and Fort Jameson, between: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1964: 1

27 August 1964

Kenya: Shimoni: Start, Anthony N.: WNMU: 1 [1]; Western New Mexico University: FMNH: 1 [1 - **2** - **2**].

Total Specimens for 27 August 1964: 2

28 August 1964

Kenya: Diani: Foster, J.B.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1964: 1

29 August 1964

Congo (Democratic Republic of the): Kakanda cave: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1964: 1

30 August 1964

Kenya: Sultan Hamud: Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].
Mozambique: Manica and Sofala: Hardy, A.R.: USNM: 5 [5 - **5**] - Vila de Manica, 10 km N: Davis, R.M.: USNM: 12 [12]; Hardy, A.R.: USNM: 8 [8 - **20** - **25**].

Total Specimens for 30 August 1964: 26

1 September 1964

Kenya: Mombasa, 12.8 km S: Foster, J.B.: ROM: 1 [1 - **1**] - Mombasa, 13 km S: Foster, J.B.: ROM: 1 [1 - **1**] - Mombasa, 8 km S: Foster, J.B.: ROM: 3 [3 - **3**] - Mombasa, 8 mi S: Foster, J.B.: ROM: 3 [3 - **3**] - Waa: Foster, J.B.: ROM: 1 [1 - **1** - **9**].

Total Specimens for 1 September 1964: 9

2 September 1964

Congo: Loudima cave: Taufflieb, R.: ZMA: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1964: 3

5 September 1964

Kenya: Renshaw Barberton Farm: MCZ Paleological Expedition, The: MCZ: 14 [14 - **14** - **14**].

Total Specimens for 5 September 1964: 14

6 September 1964

Kenya: Kipkabus: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1964: 1

7 September 1964

Kenya: Waa: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
Uganda: Baherere: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 September 1964: 2

14 September 1964

Kenya: Mombasa, 6.4 km S: Foster, J.B.: ROM: 2 [2 - **2** - **2**].
Mozambique: Vila Machado, 3 km SE: Davis, R.M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1964: 3

15 September 1964

Mozambique: Vila Machado: Davis, R.M.: USNM: 25 [25]; Hardy, A.R.: USNM: 22 [22 - **47** - **47**].

Total Specimens for 15 September 1964: 47

17 September 1964

Tanzania: Mikindani: Andersen, Th.: SMF: 2 [2 - **2**] - Mtwara region: Andersen, Th.: SMF: 1 [1 - **1** - **3**].

Total Specimens for 17 September 1964: 3

20 September 1964

Rwanda: Gakoma: Svepel: ZMZ: 1 [1 - **1** - **1**].
Tanzania: Mikindani: Andersen, Th.: SMF: 3 [3 - **3** - **3**].

Total Specimens for 20 September 1964: 4

21 September 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Rwanda: Gakoma: Svepel: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1964: 2

22 September 1964

Cameroon: Mbalmayo: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Mozambique: Unknown locality: Coetzee, C.G.: TM: 1 [1 - **1**] - Aldeia Chiuta [= Chiuta, Chuta]: Coetzee, C.G.: TM: 3 [3]; Coetzee, C.G.; Seete, J.M.; Smithsonian Institute - TM Expedition, The: TM: 4 [4]; Herbert, H.J.: USNM: 37 [37 - **44**] - Chiutu: Herbert, H.J.: USNM: 1 [1 - **1** - **46**].
South Africa: Spring Grove: ?: Collector Unknown: NM: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1964: 48

24 September 1964

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1964: 1

27 September 1964

Rwanda: Gakoma: Svepel: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1964: 1

28 September 1964

Rwanda: Gakoma: Svepel: ZMZ: 2 [2 - **2** - **2**].
Tanzania: Mikindani: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1964: 3

1 October 1964

Egypt: Aswan: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].
Kenya: Coast: Start, Anthony N.: WAM: 1 [1 - **1** - **1**].
Tanzania: Mikindani: Andersen, Th.: SMF: 4 [4 - **4** - **4**].

Total Specimens for 1 October 1964: 7

6 October 1964

South Africa: Spring Grove: ?: Collector Unknown: NM: 1 [1]; Wing: NM: 1 [1 - **2** - **2**].

Total Specimens for 6 October 1964: 2

8 October 1964

Mozambique: Vila Coutinho: Herbert, H.J.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 8 October 1964: 2

10 October 1964

Egypt: Aswan: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].
Kenya: Mount Suswa cave: Start, Anthony N.: FMNH: 1 [1 - **1** - **1**].
Mozambique: Naa Macha: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - Vila Coutinho, 93 km S: Herbert, H.J.: USNM: 1 [1 - **1** - **2**].

Total Specimens for 10 October 1964: 9

13 October 1964

Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1964: 1

15 October 1964

Côte d'Ivoire: Toumodi sud: Bellier, Louis: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 October 1964: 1

16 October 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 16 October 1964: 3

18 October 1964

Kenya: Unknown locality: ?: Collector Unknown: BMNH: 2 [2 - **2**] - Kedong Valley: Williams: RMCA: 1 [1]; Williams, John George: ROM: 7 [7 - **8**] - Mount Suswa: Start, Anthony N.: WAM: 3, WNMU: 1 [4]; Williams, A.: MCZ: 1 [1]; Williams, A.E.: ROM: 1 [1 - **6**] - Mount Suswa cave: Williams, A.: USNM: 3 [3]; Williams, John George: ROM: 1 [1 - **4** - **20**].

Total Specimens for 18 October 1964: 20

19 October 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Kenya: Mombasa: Foster, J.B.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 19 October 1964: 5

21 October 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 21 October 1964: 6

22 October 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 22 October 1964: 2

23 October 1964

Namibia: Epupa Falls: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 23 October 1964: 2

24 October 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **4**].
Kenya: Kakamega: ?: Collector Unknown: CUMV: 3 [3 - **3** - **3**].

Total Specimens for 24 October 1964: 7

25 October 1964

Uganda: Kampala: ?: Collector Unknown: CUMV: 4 [4 - **4** - **4**].

Total Specimens for 25 October 1964: 4

26 October 1964

Kenya: Mombasa: Foster, J.B.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1964: 1

27 October 1964

Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 27 October 1964: 2

28 October 1964

Mozambique: Beira,10 km N: Hardy, A.R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1964: 1

29 October 1964

Liberia: Harbel: Taylor, Edward Harrison: KU: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1964: 1

30 October 1964

Mozambique: Beira,10 km N: Davis, R.M.: USNM: 2 [2]; Hardy, A.R.: USNM: 12 [12 - **14** - **14**].

Total Specimens for 30 October 1964: 14

31 October 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Rwanda: Mimuli: Goepel, U.: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1964: 3

1 November 1964

Central African Republic: Boukoko: Pujol, Raymond: MNHN: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1964: 3

2 November 1964

Ghana: Abetifi: Sibley, Charles Gald: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1964: 1

3 November 1964

Kenya: Unknown locality: Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1964: 1

4 November 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].
Mozambique: Mezimbite: Davis, R.M.: USNM: 2 [2 - **2** - **2**].
Rwanda: Mimuli: Svepel: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1964: 6

5 November 1964

Mozambique: Dondo: Davis, R.M.: USNM: 9 [9]; Hardy, A.R.: USNM: 10 [10 - **19** - **19**].
Rwanda: Mimuli: Svepel: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1964: 20

6 November 1964

Rwanda: Mimuli: Svepel: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1964: 1

7 November 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 7 November 1964: 2

8 November 1964

Mozambique: Dondo: Davis, R.M.: USNM: 45 [45 - **45**] - Mezimbite: Davis, R.M.: USNM: 1 [1 - **1** - **46**].

Total Specimens for 8 November 1964: 46

10 November 1964

Rwanda: Mimuli: Svepel: ZMZ: 2 [2 - **2** - **2**].

Total Specimens for 10 November 1964: 2

11 November 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1964: 1

14 November 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1964: 1

15 November 1964

Gabon: Lambarene: Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2** - **2**].
Zambia: Salujinga: Benson, Constantine ("Con") Walter: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 15 November 1964: 4

16 November 1964

Kenya: Mount Ololdiani: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1964: 1

19 November 1964

South Africa: American cave: Coetzee, C.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1964: 1

23 November 1964

Zimbabwe: Waterfalls: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1964: 1

24 November 1964

Kenya: Ol Donyo Sapuk, mount: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].
Sudan: Suakin: : SMF: 30 [30 - **30** - **30**].

Total Specimens for 24 November 1964: 31

25 November 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 November 1964: 2

27 November 1964

Congo (Democratic Republic of the): Lwiro: Svepel: ZMZ: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1964: 1

28 November 1964

Congo (Democratic Republic of the): Lwiro: Dieterlen, Fritz: SMNS: 1 [1 - **1** - **1**].
Sudan: Khartoum: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 28 November 1964: 6

29 November 1964

Sudan: Khartoum: ?: Collector Unknown: SMF: 9 [9 - **9** - **9**].

Total Specimens for 29 November 1964: 9

1 December 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5** - **5**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 8 [8 - **8** - **8**].
Uganda: Kampala: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1964: 14

3 December 1964

Sudan: Khartoum: ?: Collector Unknown: SMF: 7 [7 - **7** - **7**].

Total Specimens for 3 December 1964: 7

4 December 1964

Côte d'Ivoire: Bouaké: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1964: 1

8 December 1964

Zambia: Fort Jameson: : NMZL: 1 [1 - **1** - **1**].
Zimbabwe: Gurungwe: Hughes, D.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1964: 2

11 December 1964

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 11 December 1964: 2

12 December 1964

Sudan: Kadugli: Kock, Dieter: SMF: 2 [2 - **2** - **2**].

Total Specimens for 12 December 1964: 2

14 December 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **1**].
Kenya: Nanyuki: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1964: 2

19 December 1964

Egypt: Alexandria: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Equatorial Guinea: Bata: Martorell, F.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 19 December 1964: 3

20 December 1964

Equatorial Guinea: Bata: Martorell, F.: RMCA: 2 [2 - **2** - **2**].
Kenya: Bat island: Seed, Robin D.: WNMU: 1 [1 - **1**] - Lake Naivasha: Start, Anthony N.; *et al.*: WAM: 1 [1 - **1** - **2**].

Total Specimens for 20 December 1964: 4

22 December 1964

Malawi: Chitale: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 22 December 1964: 2

24 December 1964

Congo (Democratic Republic of the): Kivu region: Kunkel, P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1964: 1

25 December 1964

Sudan: Tadoro: Kock, Dieter: SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 December 1964: 1

26 December 1964

Sudan: Tadoro: Kock, Dieter: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1964: 1

27 December 1964

Kenya: Bat island: Williams, John George: ROM: 1 [1 - **1**] - Central island: Seed, Robin D.: SMF: 2 [2 - **2** - **3**].

Total Specimens for 27 December 1964: 3

28 December 1964

Kenya: Bat island: Western New Mexico University: FMNH: 2 [2 - **2**] - Central island: Western New Mexico University: FMNH: 2 [2 - **2**] - Malindi: Williams, John George: ROM: 1 [1 - **1** - **5**].
Zimbabwe: Baruka caveS: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1964: 6

29 December 1964

Egypt: Burgh-El-Arab: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Kenya: Archer's Post: Williams, John George: ROM: 4 [4 - **4** - **4**].
Zimbabwe: Baruka caveS: Wilson, Vivian J.: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 29 December 1964: 10

30 December 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1964: 1

31 December 1964

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].
Sudan: Kadugli: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Zimbabwe: Penalice Farm: Smithers, Reay Henry Noble: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1964: 5

1 January 1965

Burundi: Unknown locality: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **2**].
Côte d'Ivoire: Buyo, 15 km from: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Gabon: Oyem: Mission Biologique au Gabon, La: ZMA: 7 [7 - **7** - **7**].
Kenya: Nogmein: Williams, John George: ROM: 1 [1 - **1** - **1**].
Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Tanzania: Mikindani: Andersen, Th.: SMF: 3 [3 - **3**] - Tanga: Williams, John George: ROM: 1 [1 - **1** - **4**].
Uganda: Kampala: Pye, J.D.: BMNH: 1 [1 - **1** - **1**].
Zimbabwe: Chipinga: Pavey, T.D.K.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1965: 19

4 January 1965

Kenya: El Molo Island: Seed, F.G.: WNMU: 1 [1 - **1**] - Nyala Beach Hotel: Bauer, Roland G.: YPM: 1 [1 - **1**] - Sokoke Forest: Bauer, Roland G.: YPM: 1 [1 - **1** - **3**].

Total Specimens for 4 January 1965: 3

6 January 1965

Kenya: "Vipinga": Bauer, Roland G.: YPM: 5 [5 - **5**] - Sokoke Forest: Bauer, Roland G.: YPM: 1 [1 - **1** - **6**].
Sudan: Jebel Talao: : SMF: 18 [18]; Kock, Dieter: SMF: 3 [3 - **21** - **21**].
Tanzania: Kawe: Williams, A.E.: LACM: 2 [2]; Williams, John George: ROM: 1 [1 - **3** - **3**].

Total Specimens for 6 January 1965: 30

7 January 1965

Kenya: Gedi National Park: Bauer, Roland G.: YPM: 8 [8 - **8**] - Menengai: Barley, Alen H.: BMNH: 1 [1 - **1** - **9**].

Total Specimens for 7 January 1965: 9

8 January 1965

Kenya: El Molo Island: Seed, F.G.: ROM: 2 [2 - **2**] - El Molo Island, E side: Western New Mexico University: FMNH: 3 [3 - **3**] - Kilifi, 5 mi W: Bauer, Roland G.: YPM: 14 [14 - **14**] - Sokoke Forest: Bauer, Roland G.: YPM: 1 [1 - **1** - **20**].

Total Specimens for 8 January 1965: 20

9 January 1965

Kenya: Sokoke Forest: Bauer, Roland G.: YPM: 5 [5 - **5** - **5**].

Total Specimens for 9 January 1965: 5

11 January 1965

Egypt: Dahshur: Hoogstraal, Harry H.: FMNH: 21 [21 - **21** - **21**].
Kenya: Sokoke Forest: Bauer, Roland G.: YPM: 1 [1 - **1** - **1**].
South Africa: Hennops river: Venter: TM: 1 [1 - **1** - **1**].
Uganda: Nabumali: Loder or Lorder: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1965: 24

13 January 1965

Kenya: Sokoke Forest: Bauer, Roland G.: YPM: 2 [2 - **2** - **2**].
Tanzania: Mikindani: Andersen, Th.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 13 January 1965: 4

14 January 1965

Sudan: Kadugli: : SMF: 3 [3 - **3** - **3**].
Tanzania: Mikindani: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1965: 4

15 January 1965

Somalia: Mogadiscio: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1965: 1

17 January 1965

Sudan: Tadoro: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1965: 1

20 January 1965

Kenya: Mombasa: : SMF: 350 [350 - **350**] - Mombassa: Currie, Rolla Patterson: SMF: 1 [1 - **1**] - Mweiga, 10 mi NW: Bauer, Roland G.: YPM: 2 [2 - **2** - **353**].

Total Specimens for 20 January 1965: 353

22 January 1965

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Tanzania: Mikindani: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1965: 2

23 January 1965

Sudan: Khor Umm Adara: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1965: 1

24 January 1965

Botswana: Chobe NP, Kasane: Davis, R.M.: USNM: 9 [9]; Herbert, H.J.: USNM: 8 [8 - **17** - **17**].
Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1965: 18

25 January 1965

Kenya: Isiolo, 6 mi N: Bauer, Roland G.: YPM: 1 [1 - **1** - **1**].
Sudan: Jebel Toro: : SMF: 3 [3]; Kock, Dieter: SMF: 4 [4 - **7** - **7**].

Total Specimens for 25 January 1965: 8

26 January 1965

Botswana: Chobe NP, Kasane: Davis, R.M.: USNM: 10 [10]; Herbert, H.J.: USNM: 14 [14 - **24** - **24**].
Sudan: Buram: Kock, Dieter: SMF: 10 [10 - **10**] - Subeigh Forest Reserve: Kock, Dieter: SMF: 3 [3 - **3** - **13**].

Total Specimens for 26 January 1965: 37

27 January 1965

Kenya: Isiolo, 5 mi [= 8 km] SW: Bauer, Roland G.: YPM: 2 [2 - **2**] - Nairobi: Start, Anthony N.: WAM: 1 [1 - **1** - **3**].

Total Specimens for 27 January 1965: 3

28 January 1965

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1965: 1

29 January 1965

Côte d'Ivoire: Bouaké: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 January 1965: 2

30 January 1965

Kenya: Isiolo, 15 mi N: Bauer, Roland G.: YPM: 3 [3 - **3** - **3**].

Total Specimens for 30 January 1965: 3

1 February 1965

Gabon: Bélinga: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Kenya: Karen: Start, Anthony N.: BMNH: 1, WAM: 2 [3 - **3**] - Nairobi: Start, Anthony N.: WAM: 1 [1 - **1** - **4**].

Total Specimens for 1 February 1965: 7

2 February 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
South Africa: Culling camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Sudan: Tadoro: Kock, Dieter: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1965: 3

3 February 1965

Sudan: Tadoro: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1965: 1

5 February 1965

Côte d'Ivoire: Bouaké: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].
Kenya: Olkenyie: Bauer, Roland G.: YPM: 1 [1 - **1** - **1**].
Tanzania: Moshi: : SMF: 9 [9 - **9** - **9**].

Total Specimens for 5 February 1965: 11

6 February 1965

Kenya: Olkenyie: Bauer, Roland G.: YPM: 1 [1 - **1** - **1**].
Sudan: Tadoro: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1965: 2

8 February 1965

Angola: Cassai: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].
Kenya: Olkenyie: Bauer, Roland G.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1965: 2

9 February 1965

Congo (Democratic Republic of the): Kabwe: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 9 February 1965: 3

12 February 1965

Côte d'Ivoire: Bouaké: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].
Sudan: Tossari: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 12 February 1965: 3

13 February 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Bouaké: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1965: 2

14 February 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 February 1965: 2

15 February 1965

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 15 February 1965: 5

16 February 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].
Egypt: Valley of the Kings: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].
Uganda: Amuria: Van der Brink, J.N.; Graaf, P.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1965: 7

17 February 1965

Egypt: Queen Hatchipsat Tomb: Hoogstraal, Harry H.: FMNH: 20 [20 - **20** - **20**].
Sudan: Tossari: : SMF: 6 [6 - **6** - **6**].

Total Specimens for 17 February 1965: 26

18 February 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Gabon: Bélinga: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
South Africa: Farm Rykvoorby 96: Prozesky, O.P.M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1965: 3

20 February 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 20 February 1965: 4

21 February 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Tanzania: Mikindani: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1965: 3

22 February 1965

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 22 February 1965: 3

24 February 1965

Congo (Democratic Republic of the): Mbelekelo: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Kilanguni Lodge: Seed, F.G.: WNMU: 1 [1]; Western New Mexico University: FMNH: 1 [1 - **2** - **2**].

Total Specimens for 24 February 1965: 3

25 February 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 7 [7 - **7** - **7**].
Sudan: Tadoro: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 25 February 1965: 9

27 February 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 27 February 1965: 3

28 February 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1965: 1

1 March 1965

Cameroon: Ekona: Jones, Theo Simpson: ROM: 5 [5 - **5** - **5**].

Total Specimens for 1 March 1965: 5

2 March 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6** - **6**].
Sudan: Tadoro: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1965: 7

3 March 1965

Botswana: Maun: Davis, R.M.: USNM: 1 [1]; Herbert, H.J.: USNM: 2 [2 - **3** - **3**].
Burundi: Unknown locality: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Cameroon: Tombel: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **4**].
Sudan: Buram: Kock, Dieter: SMF: 24 [24 - **24** - **24**].

Total Specimens for 3 March 1965: 35

4 March 1965

Botswana: Maun: Davis, R.M.: USNM: 10 [10]; Herbert, H.J.: USNM: 10 [10 - **20** - **20**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 4 March 1965: 25

6 March 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5** - **5**].
Sudan: Tadoro: Kock, Dieter: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1965: 6

7 March 1965

Botswana: Sehitwa,10 mi [=16 km] SW: Davis, R.M.: USNM: 8 [8]; Herbert, H.J.: USNM: 7 [7 - **15** - **15**].

Total Specimens for 7 March 1965: 15

8 March 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Sudan: Rheika: : SMF: 6 [6 - **6** - **6**].

Total Specimens for 8 March 1965: 8

9 March 1965

Botswana: Sehitwa,10 mi [=16 km] SW: Davis, R.M.: USNM: 3 [3]; Herbert, H.J.: USNM: 4 [4 - **7** - **7**].

South Africa: Hluhluwe Game Reserve: Zumpt, Frits Konrad Ernst: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1965: 8

10 March 1965

Botswana: Sehitwa,10 mi [=16 km] SW: Davis, R.M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1965: 1

11 March 1965

Botswana: Sehitwa,10 mi [=16 km] SW: Davis, R.M.: USNM: 2 [2]; Herbert, H.J.: USNM: 2 [2 - **4** - **4**].
Sudan: Buram: Kock, Dieter: SMF: 1 [1 - **1**] - Rheika: ?: Collector Unknown: SMF: 1 [1]; : SMF: 1 [1]; Kock, Dieter: SMF: 3 [3 - **5**] - South Darfur state: Kock, Dieter: SMF: 1 [1 - **1** - **7**].
Uganda: Mbale: Loder or Lorder: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1965: 12

12 March 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 13 [13 - **13** - **13**].
South Africa: King Williamstown: Newberry: KM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1965: 15

14 March 1965

Botswana: Mabeleapudi: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1965: 1

15 March 1965

Kenya: Kilifi: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1965: 1

16 March 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 16 March 1965: 2

17 March 1965

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Ngong: Start, Anthony N.; Start, J.D.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1965: 2

18 March 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1965: 1

19 March 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 19 March 1965: 5

20 March 1965

Botswana: Tsau: Davis, R.M.: USNM: 3 [3]; Herbert, H.J.: USNM: 3 [3 - **6** - **6**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 20 March 1965: 8

22 March 1965

Botswana: Tsau: Davis, R.M.: USNM: 2 [2]; Herbert, H.J.: USNM: 3 [3 - **5** - **5**].

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 22 March 1965: 7

23 March 1965

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Kenya: Nairobi: Williams, John George: ROM: 5 [5 - **5** - **5**].

Total Specimens for 23 March 1965: 6

24 March 1965

Botswana: Tsau: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].
Sudan: Rheika: : SMF: 5 [5]; Kock, Dieter: SMF: 3 [3 - **8** - **8**].

Total Specimens for 24 March 1965: 9

25 March 1965

Botswana: Tsau: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 March 1965: 3

26 March 1965

Egypt: Wadi el Qreiya: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Sudan: Tadoro: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1965: 2

27 March 1965

Botswana: Tsau: Herbert, H.J.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 27 March 1965: 4

28 March 1965

Sudan: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Angolo: Kock, Dieter: SMF: 7 [7 - **7** - **8**].

Total Specimens for 28 March 1965: 8

29 March 1965

Ghana: Kumasi: Barry, D.H.: BMNH: 2 [2 - **2** - **2**].
Uganda: Mbale: Loder or Lorder: BMNH: 1 [1 - **1**] - Nabumali: Loder or Lorder: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 29 March 1965: 4

30 March 1965

Sudan: Jebel Digodo: : SMF: 16 [16 - **16**] - Tadoro: : SMF: 1 [1 - **1** - **17**].

Total Specimens for 30 March 1965: 17

1 April 1965

Congo (Democratic Republic of the): Kamponde: De Roo, Antoon Emeric Marcel: RMCA: 15 [15 - **15**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 10 [10 - **10** - **25**].
Côte d'Ivoire: Bouaké: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1965: 26

2 April 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Ghana: Takoradi: Barry, D.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1965: 3

4 April 1965

Kenya: Lake Naivasha: Williams, A.E.: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2** - **2**].
Tanzania: Amani: Taylor, R.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1965: 3

5 April 1965

South Africa: Hluhluwe Game Reserve: Zumpt, Frits Konrad Ernst: ZFMK: 2 [2 - **2** - **2**].
Uganda: Mbale: Loder or Lorder: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1965: 3

8 April 1965

Sudan: Semeih: ?: Collector Unknown: SMF: 2 [2]; : SMF: 1 [1 - **3** - **3**].

Total Specimens for 8 April 1965: 3

9 April 1965

Botswana: Drotsky's [= Drodsky] Caves: ?: Collector Unknown: TM: 1 [1 - **1**] - Kaikai, 20 mi SE: ?: Collector Unknown: TM: 5 [5 - **5** - **6**].
Sudan: Semeih: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 April 1965: 7

10 April 1965

Botswana: Aha Hills, 10 mi [=16 km] N: Herbert, H.J.: USNM: 1 [1 - **1**] - Drotsky's [= Drodsky] Caves: Davis, R.M.: USNM: 29 [29]; Hardy, A.R.: USNM: 13 [13]; Herbert, H.J.: USNM: 24 [24 - **66** - **67**].
Ghana: Kumasi: Barry, D.H.: BMNH: 1 [1 - **1** - **1**].
Kenya: Njoro: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1965: 69

11 April 1965

Ghana: Kumasi: Barry, D.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1965: 1

12 April 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 12 April 1965: 3

13 April 1965

South Africa: Bloemfontein: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1965: 1

16 April 1965

Côte d'Ivoire: Bouaké: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **2**].
Senegal: M'Bour: Cornet; Taufflieb, R.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1965: 3

19 April 1965

Côte d'Ivoire: Bouaké: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **2**].
Kenya: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Coast [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].
Tanzania: Makoa Caves: Szunyoghy, J.: HNHM: 13 [13 - **13** - **13**].

Total Specimens for 19 April 1965: 18

22 April 1965

Kenya: Central [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1965: 1

23 April 1965

Sudan: Suakin: : SMF: 4 [4 - **4** - **4**].
Zimbabwe: Braeside: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1965: 5

25 April 1965

Botswana: Nata: Davis, R.M.: USNM: 1 [1]; Herbert, H.J.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 25 April 1965: 2

26 April 1965

Botswana: Nata: Davis, R.M.: USNM: 1 [1]; Herbert, H.J.: USNM: 2 [2 - **3** - **3**].

Total Specimens for 26 April 1965: 3

28 April 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1965: 1

29 April 1965

South Africa: Kalahari Gemsbok-NP, Twee Riveren: Coetzee, C.G.: TM: 5 [5]; Coetzee; le Riche, B.: TM: 1 [1 - **6** - **6**].

Total Specimens for 29 April 1965: 6

30 April 1965

Congo (Democratic Republic of the): Kabwe: De Roo, Antoon Emeric Marcel: RMCA: 8 [8 - **8**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **9**].
South Africa: Kalahari Gemsbok-NP, Twee Riveren: Coetzee, C.G.: TM: 1 [1 - **1**] - Twee Rivieren: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 30 April 1965: 11

1 May 1965

Burkina Faso: Nouna: Ermert, A.: SMF: 1 [1]; Ernest, A.: SMF: 2 [2 - **3** - **3**].
Cameroon: Ekona: Jones, Theo Simpson: ROM: 4 [4 - **4** - **4**].
South Africa: Mtunzini: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: Karamoja: Foster, J.B.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1965: 10

2 May 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 2 May 1965: 6

4 May 1965

Zambia: Kalabo: Japp, M.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 4 May 1965: 2

7 May 1965

Kenya: Lukemia Hill: Foster, J.B.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1965: 1

8 May 1965

Congo (Democratic Republic of the): Kalomoni cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 11 [11 - **11** - **12**].

Total Specimens for 8 May 1965: 12

10 May 1965

Kenya: Nairobi: Foster, J.B.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1965: 1

17 May 1965

Congo (Democratic Republic of the): Baya carrière: Verheyen, Walter N.: RMCA: 68 [68 - **68**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **72**].

Total Specimens for 17 May 1965: 72

21 May 1965

Kenya: Ukwala: Williams, John George: ROM: 1 [1 - **1** - **1**].
Namibia: Kuiseb River: White, A.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1965: 2

22 May 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1965: 1

23 May 1965

Kenya: Tororo: ?: Collector Unknown: ROM: 3 [3 - **3**] - Tororo, 30 mi [= 48 km] E: Hayward, Bruce Joliffe: FMNH: 2 [2]; Williams, John George: ROM: 7 [7 - **9** - **12**].

Total Specimens for 23 May 1965: 12

24 May 1965

Côte d'Ivoire: Bouaké: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].
Kenya: Tororo, 30 mi [= 48 km] E: Williams, John George: ROM: 5 [5 - **5**] - Tororo, 30 mi E: Williams, John George: ROM: 2 [2 - **2** - **7**].

Total Specimens for 24 May 1965: 8

27 May 1965

Kenya: Hunter's Lodge, near: Foster, J.B.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 27 May 1965: 2

29 May 1965

Kenya: Tsavo East-NP, Mudanda Rock Crevices: Foster, J.B.: ROM: 1 [1 - **1**] - Tsavo East-NP, Rhino Corner: Otuba, J.E.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 29 May 1965: 2

30 May 1965

Ghana: Takoradi: Barry, D.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1965: 1

1 June 1965

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Moliwe: Jones, Theo Simpson: ROM: 4 [4 - **4** - **5**].
Kenya: Kanyangareng: Williams, John George: ROM: 1 [1 - **1**] - Machakos: Williams, John George: ROM: 1 [1 - **1**] - Magadi: Williams, John George: ROM: 1 [1 - **1**] - Sigor: Williams, John George: ROM: 13 [13 - **13**] - Sigor, 2 mi [=3.2 km] S:

Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Thika: Williams, John George: ROM: 1 [1 - **1**] - Ulu: Williams, John George: ROM: 1 [1 - **1** - **19**].

Total Specimens for 1 June 1965: 24

3 June 1965

Kenya: Coast [former] province: ?: Collector Unknown: SMF: 1 [1 - **1**] - Tsavo East-NP, Mudanda Rock Crevices: Foster, J.B.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 3 June 1965: 2

5 June 1965

Kenya: Ngong: Williams, John George: ROM: 1 [1 - **1** - **1**].
South Africa: Port Elisabeth: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1965: 2

7 June 1965

Nigeria: Ibadan: Unife: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1965: 1

8 June 1965

Nigeria: Ibadan: Unife: FMNH: 7 [7 - **7** - **7**].
Tanzania: Mkomazi: Taylor, R.H.: PSM: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1965: 8

9 June 1965

Nigeria: Ibadan: Unife: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 9 June 1965: 3

10 June 1965

Kenya: Naivasha, 2 mi [= 3.2 km] SE: ?: Collector Unknown: FMNH: 2 [2]; Hayward, Bruce Joliffe: FMNH: 20, WNMU: 1 [21 - **23** - **23**].

Total Specimens for 10 June 1965: 23

11 June 1965

Kenya: Loiya: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - Naivasha, 2 mi [= 3.2 km] SE: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Naivasha, 7 mi [=11 km] SE: Hayward, Bruce Joliffe: FMNH: 9 [9 - **9**] - Ngong: Williams, John George: ROM: 2 [2 - **2** - **13**].

Total Specimens for 11 June 1965: 13

12 June 1965

Nigeria: Ibadan: Ife University, The: FMNH: 2 [2]; Unife: FMNH: 7 [7 - **9** - **9**].

Total Specimens for 12 June 1965: 9

13 June 1965

Kenya: Naivasha, 7 mi [=11 km] SE: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1965: 1

14 June 1965

Nigeria: Ibadan: Unife: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 14 June 1965: 5

15 June 1965

Kenya: Magadi: Hayward, Bruce Joliffe: FMNH: 1, WNMU: 1 [2 - **2**] - Ngong: Hayward, Bruce Joliffe: FMNH: 2 [2]; Williams, John George: ROM: 3 [3 - **5** - **7**].
Nigeria: Ibadan: Unife: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 15 June 1965: 11

16 June 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Nigeria: Ibadan: Unife: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1965: 3

17 June 1965

Congo (Democratic Republic of the): Lake Tumba, Island in: Novick, Alvin: MCZ: 1 [1 - **1** - **1**].
Kenya: Magadi: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Nakuru: Williams, John George: ROM: 4 [4 - **4** - **5**].
Nigeria: Ibadan: Unife: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1965: 7

20 June 1965

Kenya: Granite Hills, Mombaso Road: Williams, John George: ROM: 6 [6 - **6**] - Kiboko, 3 mi [= 4.8 km] W: ?: Collector Unknown: FMNH: 1 [1]; Hayward, Bruce Joliffe: FMNH: 14 [14 - **15**] - Ngong: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - on Mombaso Road, Simba: Williams, John George: ROM: 1 [1 - **1** - **26**].

Total Specimens for 20 June 1965: 26

21 June 1965

Kenya: Nairobi: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 June 1965: 3

22 June 1965

Congo (Democratic Republic of the): Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Kenya: Ngong: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1965: 2

23 June 1965

Kenya: Karen: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 23 June 1965: 4

24 June 1965

Côte d'Ivoire: Abidjan: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].
Kenya: Daren: Starrett, Andrew: LACM: 1 [1 - **1**] - Kilanguni Lodge: Williams, John George: ROM: 2 [2 - **2** - **3**].

Total Specimens for 24 June 1965: 4

26 June 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Ghana: Kumasi: Allison, F.R.; Barry, D.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1965: 2

27 June 1965

Kenya: Saboti: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 June 1965: 1

29 June 1965

Kenya: Lukenia: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 June 1965: 1

30 June 1965

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 30 June 1965: 2

1 July 1965

Congo (Democratic Republic of the): Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Kenya: Cherangani Hills: Temple, A.M.G.: WAM: 1 [1 - **1** - **1**].
Liberia: Unknown locality: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1965: 3

2 July 1965

Ghana: Kumasi: Barry, D.H.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1965: 1

3 July 1965

Congo (Democratic Republic of the): Unknown locality: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 13 [13]; Deheegher, Jan: RMCA: 2 [2 - **15** - **19**].
Kenya: Machakos, 15 mi [= 24 km] SE: Williams, John George: ROM: 6 [6 - **6**] - Nakuru, 2 mi [= 3.2 km] W: Hayward, Bruce Joliffe: FMNH: 8 [8 - **8** - **14**].

Total Specimens for 3 July 1965: 33

4 July 1965

Kenya: Koran Badas: Williams, John George: ROM: 2 [2 - **2**] - Korau: Williams, John George: ROM: 5 [5 - **5**] - Suam River, Korau: Williams, John George: ROM: 8 [8 - **8** - **15**].
Zambia: Petauke: Ansell, William Frank Harding; Wilson, Vivian J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1965: 16

7 July 1965

Ghana: Legon: Ralph, Clement John: MVZ: 20 [20 - **20** - **20**].
Kenya: Langata forest: Williams, John George: ROM: 1 [1 - **1**] - Suam River, Korau: Williams, John George: ROM: 3 [3 - **3** - **4**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].
Uganda: Budongo: Starrett, Andrew: LACM: 1 [1 - **1**] - Budongo Forest: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 7 July 1965: 27

8 July 1965

Kenya: Kilifi: Start, Anthony N.: BMNH: 9 [9 - **9** - **9**].
Uganda: Budongo Forest: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 8 July 1965: 13

9 July 1965

Botswana: Chobe NP, Kasane: Botswana Mammal Survey: USNM: 3 [3 - **3** - **3**].
Kenya: Kanyangareng: Williams, John George: ROM: 14 [14 - **14** - **14**].
Uganda: Budongo Forest: Hayward, Bruce Joliffe: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 9 July 1965: 23

10 July 1965

Kenya: Diatomite mine: Williams, John George: ROM: 21 [21 - **21**] - Gilgil: Williams, John George: ROM: 1 [1 - **1**] - Lake Naivasha, E shore: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Machakos, 15 mi [= 24 km] SE: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Machakos, 15 mi SW: Hayward, Bruce Joliffe: WNMU: 3 [3 - **3**] - Naivasha, 2 mi [= 3.2 km] SE: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1** - **28**].

Uganda: Budongo Forest: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 10 July 1965: 32

11 July 1965

Uganda: Budongo Forest: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 11 July 1965: 3

12 July 1965

Cameroon: Bota: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Senegal: Bandia: Cornet; Taufflieb, R.: MHNG: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Hayward, Bruce Joliffe: FMNH: 10 [10]; Starrett, Andrew: LACM: 1 [1 - **11** - **11**].

Total Specimens for 12 July 1965: 13

13 July 1965

Uganda: Budongo Forest: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 13 July 1965: 5

15 July 1965

Uganda: Budongo Forest: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1965: 1

16 July 1965

Kenya: Saboti: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].
Tanzania: Amani: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 16 July 1965: 3

17 July 1965

Kenya: Lake Naivasha: Williams, John George: ROM: 20 [20 - **20** - **20**].

Total Specimens for 17 July 1965: 20

18 July 1965

Kenya: Devil's cave: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - Elgon, Mount: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - Kedong Valley: Williams, John George: ROM: 1 [1 - **1**] - Kitale, 20 mi SW: Hayward, Bruce Joliffe: FMNH: 7 [7 - **7**] - Mt Elgon foothills, Barberton farm: Hayward, Bruce Joliffe: FMNH: 7 [7 - **7**] - Sokoke Forest: Forbes-Watson, A.D.: USNM: 2 [2 - **2** - **19**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1965: 20

19 July 1965

Congo (Democratic Republic of the): Idjwi, Island: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].
Ghana: Legon: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].
Kenya: Sokoke Forest: Forbes-Watson, A.D.: USNM: 2 [2 - **2** - **2**].
Tanzania: Ambani caves: Taylor, R.H.: TM: 3 [3 - **3** - **3**].

Total Specimens for 19 July 1965: 8

20 July 1965

Kenya: Kongelai Escarpment, Tambala Falls: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].
Malawi: Chileka: Smith, K.A.C.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 20 July 1965: 9

21 July 1965

Kenya: Saboti caves: Kelly, P.J.: ROM: 2 [2 - **2**] - Sokoke Forest: Forbes-Watson, A.D.: USNM: 1 [1 - **1** - **3**].

Malawi: Chileka: Smith, K.A.C.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 21 July 1965: 5

22 July 1965

Ghana: Legon: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].
Kenya: Kapenguria: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Makoyeti Gorge: Williams, John George: ROM: 1 [1 - **1**] - Saboti caves: Kelly, P.J.: ROM: 6 [6 - **6**] - Sokoke Forest: Forbes-Watson, A.D.: USNM: 1 [1 - **1** - **9**].
Malawi: Chileka: Smith, K.A.C.: ROM: 8 [8 - **8** - **8**].

Total Specimens for 22 July 1965: 19

23 July 1965

Ghana: Legon: Ralph, Clement John: ROM: 6 [6 - **6** - **6**].
Kenya: Saboti: Kelly, P.J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 23 July 1965: 8

24 July 1965

Kenya: Kilanguni Lodge: Williams, John George: ROM: 4 [4 - **4**] - Kongelai Escarpment, Tambala Falls: Hayward, Bruce Joliffe: FMNH: 7 [7 - **7**] - Saboti caves: Kelly, P.J.: ROM: 1 [1 - **1**] - Sokoke Forest: Forbes-Watson, A.D.: USNM: 1 [1 - **1** - **13**].

Total Specimens for 24 July 1965: 13

25 July 1965

Ghana: Legon: Ralph, Clement John: ROM: 3 [3 - **3** - **3**].
Kenya: Kongelai: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1965: 7

26 July 1965

Kenya: Amboseli: Williams, John George: ROM: 5 [5 - **5**] - Kapenguria: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Saboti: Kelly, P.J.: ROM: 1 [1 - **1** - **7**].

Total Specimens for 26 July 1965: 7

27 July 1965

Congo (Democratic Republic of the): Unknown locality: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5** - **5**].
Ghana: Legon: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].
Kenya: Sigor, 2 mi [=3.2 km] S: Hayward, Bruce Joliffe: FMNH: 14, ROM: 1, WNMU: 1 [16 - **16**] - Sokoke Forest: Forbes-Watson, A.D.: USNM: 1 [1 - **1** - **17**].

Total Specimens for 27 July 1965: 24

28 July 1965

Ghana: Legon: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].
Kenya: Sigor, 2 mi [=3.2 km] S: Hayward, Bruce Joliffe: FMNH: 7 [7 - **7** - **7**].
Malawi: Chileka: Smith, K.A.C.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 28 July 1965: 11

29 July 1965

Ghana: Legon: Ralph, Clement John: ROM: 3 [3 - **3** - **3**].
Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 1 [1 - **1**] - Sigor, 2 mi [=3.2 km] S: ?: Collector Unknown: WNMU: 1 [1]; Hayward, Bruce Joliffe: FMNH: 17, WNMU: 1 [18 - **19** - **20**].

Total Specimens for 29 July 1965: 23

31 July 1965

Ghana: Legon: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].

Kenya: Cherangany: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - Homa Bay county: Langridge, William ("Bill"): WNMU: 1 [1 - **1**] - Lake Magadi: Hayward, Bruce Joliffe: FMNH: 1 [1]; Williams, John George: ROM: 3 [3 - **4**] - Sigor, 2 mi [=3.2 km] S: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **11**].

Total Specimens for 31 July 1965: 13

1 August 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 4 [4 - **4** - **4**].
Kenya: Cherangany: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - Kilifi: Williams, John George: ROM: 2 [2 - **2**] - Takaungu: Williams, John George: ROM: 19 [19 - **19**] - West Nyanza district: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **26**].

Total Specimens for 1 August 1965: 30

2 August 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].
Kenya: Cherangany: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - Kitale: ?: Collector Unknown: WAM: 1 [1 - **1**] - Stoneham Museum: Hayward, Bruce Joliffe: FMNH: 13, TTU: 1 [14 - **14** - **17**].
Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Mozambique: Beira: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1965: 21

3 August 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 2 [2 - **2**] - Legon: Ralph, Clement John: ROM: 8 [8 - **8** - **10**].
Zambia: Lusaka: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1965: 11

4 August 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].
Kenya: Kilifi: Williams, John George: ROM: 1 [1 - **1**] - Mount Elgon, S face: Kelly, P.J.: ROM: 26 [26 - **26**] - Ngong: Williams, John George: ROM: 1 [1 - **1**] - South Elgon: Kelly, P.J.: ROM: 10 [10 - **10** - **38**].

Total Specimens for 4 August 1965: 40

5 August 1965

Ghana: Legon: Ralph, Clement John: ROM: 6 [6 - **6**] - Nkawkaw, 1 mi [=1.6 km] N: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **7**].
Kenya: Kakamega Forest Station, 1 mi NE: Hayward, Bruce Joliffe: FMNH: 8 [8 - **8**] - Kakamega Forest Station, 4 mi E: Hayward, Bruce Joliffe: FMNH: 10 [10 - **10**] - Kilifi, 1 mi [= 1.6 km] N: Hayward, Bruce Joliffe: USNM: 1 [1]; Williams, A.: USNM: 1 [1 - **2**] - Kilifi, 1.5 mi [= 2.4 km] N: Hayward, Bruce Joliffe: FMNH: 7 [7]; Williams, A.: USNM: 1 [1 - **8** - **28**].

Total Specimens for 5 August 1965: 35

6 August 1965

Kenya: Kakamega: Start, Anthony N.: WAM: 3 [3 - **3**] - Saboti: Kelly, P.J.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 6 August 1965: 4

7 August 1965

Ghana: Legon: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].
Kenya: Saboti: Kelly, P.J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 7 August 1965: 4

8 August 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 5 [5 - **5**] - Kade, 7 mi [=11.3 km] NE: Ralph, Clement John: MVZ: 3 [3 - **3**] - Legon: Ralph, Clement John: MVZ: 14, ROM: 3 [17 - **17** - **25**].

Total Specimens for 8 August 1965: 25

9 August 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].

Kenya: Kilifi, 1.5 mi [= 2.4 km] N: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - National Museums of Kenya: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **3**].

Total Specimens for 9 August 1965: 4

10 August 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 5 [5 - **5** - **5**].
Kenya: Kedong Valley: Williams, John George: ROM: 1 [1 - **1**] - Lake Naivasha: Williams, John George: ROM: 2 [2 - **2** - **3**].

Total Specimens for 10 August 1965: 8

11 August 1965

Kenya: Kilifi Creek, head of: Hayward, Bruce Joliffe: FMNH: 15 [15 - **15** - **15**].

Total Specimens for 11 August 1965: 15

12 August 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 7 [7 - **7** - **7**].
Kenya: Vipingoni: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - Vipingoni cave: Hayward, Bruce Joliffe: FMNH: 6, TTU: 1, WNMU: 2 [9 - **9** - **12**].

Total Specimens for 12 August 1965: 19

13 August 1965

Egypt: Abu Rawash: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 3 [3 - **3** - **3**].
Kenya: Kilanguni Lodge: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1965: 5

14 August 1965

Ghana: 0609N 0045W: Ralph, Clement John: CAS: 1 [1 - **1**] - Kade, 11 km NE: Ralph, Clement John: ROM: 2 [2 - **2** - **3**].
Kenya: Taka Ungu: Hayward, Bruce Joliffe: TTU: 1 [1 - **1**] - Takaungu: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **3**].

Total Specimens for 14 August 1965: 6

15 August 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].
Kenya: Unknown locality: Start, Anthony N.: WAM: 2 [2 - **2**] - Kilifi: Williams, John George: ROM: 13 [13 - **13**] - Kivumoni Forest: Corbet, Gordon B.; Ingles, Jane M.: BMNH: 1 [1 - **1**] - Maweni River: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - Rongai: Start, Anthony N.: BMNH: 1 [1 - **1**] - Takaungu: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - Vipingo cave: Williams, John George: ROM: 5 [5 - **5** - **29**].

Total Specimens for 15 August 1965: 30

16 August 1965

Egypt: Bahig: Kiepenhauer; Linsenmair; U.S. Navy Medical Research Unit 3 (NaMRU 3), The: SMF: 1 [1 - **1** - **1**].
Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 4 [4 - **4** - **4**].
Kenya: Keekevok: Williams, John George: ROM: 1 [1 - **1**] - Kilifi: Williams, John George: ROM: 8 [8 - **8**] - Kilifi, 2 mi N: Hayward, Bruce Joliffe: FMNH: 10, WNMU: 1 [11 - **11** - **20**].

Total Specimens for 16 August 1965: 25

17 August 1965

Gabon: Bélinga: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1** - **1**].
Kenya: Kilifi: Williams, John George: ROM: 1 [1 - **1**] - Takaungu: Hayward, Bruce Joliffe: FMNH: 1 [1]; Mumford, Russell E.: ROM: 2 [2]; Williams, John George: ROM: 4 [4 - **7** - **8**].

Total Specimens for 17 August 1965: 9

19 August 1965

Kenya: Kilifi: Williams, John George: ROM: 4 [4 - **4** - **4**].

Total Specimens for 19 August 1965: 4

20 August 1965

Kenya: Kitale, 20 mi S: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - Ukwala: Williams, John George: ROM: 5 [5 - **5** - **8**].

Total Specimens for 20 August 1965: 8

21 August 1965

Botswana: Francistown: Muche, B.: HZM: 2, ZFMK: 3 [5 - **5** - **5**].
Kenya: Ngaugao Forest: Forbes-Watson, A.D.: USNM: 1 [1 - **1**] - Ukwala: Williams, John George: ROM: 1 [1 - **1** - **2**].

Total Specimens for 21 August 1965: 7

22 August 1965

Botswana: Francistown: Muche, B.: HZM: 1 [1 - **1** - **1**].
Kenya: Kitale, 20 mi S: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Kitale, 20 mi SW: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5** - **6**].

Total Specimens for 22 August 1965: 7

23 August 1965

Botswana: Francistown: Muche, B.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1965: 1

24 August 1965

Kenya: Kaiboni River: Williams, John George: ROM: 1 [1 - **1**] - Kitale, 20 mi SW: Hayward, Bruce Joliffe: FMNH: 13 [13 - **13** - **14**].
Uganda: Nyabirongo: Waddell, Keith M.: ROM: 1 [1 - **1** - **1**].
Zimbabwe: Haroni-Lusitu confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1965: 16

25 August 1965

Kenya: Kitale, 20 mi S: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Kitale, 20 mi SW: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - Kongelai: Williams, John George: ROM: 1 [1 - **1**] - Murka mine: Williams, John George: ROM: 7 [7 - **7** - **14**].

Total Specimens for 25 August 1965: 14

26 August 1965

Kenya: Central island: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - Kitale, 20 mi SW: Hayward, Bruce Joliffe: FMNH: 8 [8 - **8**] - Murka mine: Grainger, W.E.: ROM: 2 [2]; Granger, W.E.: WAM: 1 [1]; Hayward, Bruce Joliffe: FMNH: 8 [8 - **11**] - Ngong: Williams, John George: ROM: 1 [1 - **1** - **24**].

Total Specimens for 26 August 1965: 24

27 August 1965

Kenya: Ferguson's Gulf: Hayward, Bruce Joliffe: CM: 1 [1 - **1**] - Kitale, 20 mi SW: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5** - **6**].

Total Specimens for 27 August 1965: 6

28 August 1965

Kenya: Barberton Farm: Williams, John George: ROM: 1 [1 - **1**] - Baringo, lake: Hayward, Bruce Joliffe: FMNH: 7 [7]; Mumford, Russell E.: ROM: 1 [1 - **8**] - Kitale, 20 mi SW: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - Nakuru, near: Williams, John George: ROM: 1 [1 - **1**] - Watamu: Foster, J.B.: ROM: 1 [1 - **1** - **16**].

Total Specimens for 28 August 1965: 16

29 August 1965

Ghana: Legon: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].
Kenya: Baringo, lake: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Gome Maria Caves: Foster, J.B.: ROM: 2 [2 - **2**] - Lesukut island: Start, Anthony N.: HZM: 2, SMF: 2, WAM: 1 [5 - **5** - **8**].

Total Specimens for 29 August 1965: 9

30 August 1965

Kenya: Rongai, 5 mi SW: Hayward, Bruce Joliffe: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 30 August 1965: 6

31 August 1965

Kenya: Menengai Crater: Hayward, Bruce Joliffe: FMNH: 3 [3]; Start, Anthony N.: BMNH: 10 [10 - **13**] - Menengai Crater, cave at S rim: Hayward, Bruce Joliffe; Start, Anthony N.: FMNH: 2 [2 - **2**] - Nakuru: Start, Anthony N.: WAM: 1 [1 - **1**] - Rift Valley [former] province: ?: Collector Unknown: SMF: 2 [2 - **2**] - Watamu Beach: Foster, J.B.: ROM: 1 [1 - **1** - **19**].

Total Specimens for 31 August 1965: 19

1 September 1965

Ghana: Legon: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].
Kenya: Baringo, lake: Williams, John George: ROM: 4 [4 - **4**] - Central island: Foster, J.B.: ROM: 9 [9 - **9**] - Watamu Beach: Foster, J.B.: ROM: 1 [1 - **1** - **14**].

Total Specimens for 1 September 1965: 16

2 September 1965

Ghana: Legon: Ralph, Clement John: ROM: 4 [4 - **4** - **4**].
Kenya: Gibraltar island: Williams, A.E.: ROM: 6 [6]; Williams, John George: ROM: 16 [16 - **22** - **22**].

Total Specimens for 2 September 1965: 26

3 September 1965

Ghana: Legon: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].
Kenya: Baringo, lake: Williams, John George: ROM: 10 [10 - **10**] - Ngong: Williams, John George: ROM: 1 [1 - **1** - **11**].

Total Specimens for 3 September 1965: 12

4 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1**] - Legon: Ralph, Clement John: ROM: 3, USNM: 1 [4 - **4** - **5**].
Kenya: Baringo, lake: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 4 September 1965: 7

5 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1965: 1

6 September 1965

Ghana: Legon: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].

Total Specimens for 6 September 1965: 2

8 September 1965

Botswana: Francistown: Muche, B.: ZFMK: 1 [1 - **1** - **1**].
Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1965: 2

9 September 1965

Botswana: Francistown: ?: Collector Unknown: USNM: 1 [1]; Muche, B.: ZFMK: 1 [1 - **2** - **2**].
Ghana: Kade, 7 mi [=11.3 km] NE: Ralph, Clement John: MVZ: 3 [3 - **3**] - Legon: Ralph, Clement John: MVZ: 1 [1 - **1** - **4**].

Total Specimens for 9 September 1965: 6

10 September 1965

Botswana: Francistown: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1965: 2

11 September 1965

Botswana: Francistown: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].

Total Specimens for 11 September 1965: 1

12 September 1965

Kenya: Lumbwa: Williams, John George: ROM: 1 [1 - **1**] - Nanyuki: Forbes-Watson, A.D.: USNM: 1 [1 - **1** - **2**].

Total Specimens for 12 September 1965: 2

14 September 1965

Cameroon: Melen: Balla: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1965: 1

15 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1965: 1

16 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].
Kenya: Keekevok: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1965: 2

17 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 4 [4 - **4** - **4**].
Zambia: Zambezi rapids: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1965: 5

18 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].
Kenya: Mount Elgon Caves: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1965: 3

19 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1** - **1**].
Kenya: Sokoke Forest: Forbes-Watson, A.D.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 19 September 1965: 3

20 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 12 [12 - **12** - **12**].
Kenya: Njerowa Gorge: Forbes-Watson, A.D.: USNM: 1 [1 - **1**] - Ukwala: Williams, John George: ROM: 5 [5 - **5** - **6**].

Total Specimens for 20 September 1965: 18

21 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 4 [4 - **4** - **4**].
Kenya: Njerowa Gorge: Forbes-Watson, A.D.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1965: 5

22 September 1965

South Africa: Xinkelengane Stream: Espag, A.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1965: 1

23 September 1965

Egypt: Hurghada, 20 km S: : SMF: 1 [1 - **1** - **1**].
Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 5 [5 - **5** - **5**].

Total Specimens for 23 September 1965: 6

25 September 1965

Kenya: Shimba Hills: Foster, J.B.: ROM: 1 [1]; Sillu, David M.: ROM: 1 [1 - **2** - **2**].

Total Specimens for 25 September 1965: 2

26 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 3 [3 - **3** - **3**].
Kenya: Shimba Hills: Sillu, David M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1965: 4

27 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 5 [5 - **5** - **5**].
Kenya: Kaiboni River: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 27 September 1965: 7

28 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 3 [3 - **3** - **3**].
Kenya: Ortum: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1965: 4

29 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].

Total Specimens for 29 September 1965: 2

30 September 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 6 [6 - **6** - **6**].

Total Specimens for 30 September 1965: 6

1 October 1965

Gabon: Makokou: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Kenya: Central island: Foster, J.B.: ROM: 3 [3 - **3**] - Tsavo East-NP, Rhino Corner: Foster, J.B.: ROM: 1 [1 - **1** - **4**].
South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Fountains: Hepplewhite, R.D.; Liversedge, T.N.: USNM: 2 [2 - **2**] - Mount Edgecombe: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Total Specimens for 1 October 1965: 9

3 October 1965

Tanzania: Grummetti: Ingles, Jane M.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1965: 1

4 October 1965

Seychelles: East Channel, E Shore: Wright: BMNH: 1 [1 - **1** - **1**].
South Africa: Fountains: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 4 October 1965: 2

5 October 1965

South Africa: Fountains: Hepplewhite, R.D.; Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 5 October 1965: 2

7 October 1965

Kenya: Shimba Hills: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
Mozambique: Beira, 212 km SSW: Dalquest, Walter Woelberg: TTU: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1965: 2

8 October 1965

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Mulungu: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1965: 2

10 October 1965

Cameroon: Bimbia: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1965: 1

11 October 1965

Mozambique: Beira, 212 km SSW: Dalquest, Walter Woelberg: TTU: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1965: 1

12 October 1965

Tanzania: Seronera: Ingles, Jane M.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1965: 1

14 October 1965

Kenya: Ngong: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1965: 1

15 October 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 4 [4 - **4** - **4**].
Kenya: Similani cave: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 October 1965: 5

16 October 1965

Congo (Democratic Republic of the): Kahuzi: Kunkel, P.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 October 1965: 1

17 October 1965

Mozambique: Zinave: ?: Collector Unknown: MWSU: 1 [1]; Dalquest, Walter Woelberg: MWSU: 5 [5 - **6** - **6**].

Total Specimens for 17 October 1965: 6

19 October 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 2 [2 - **2** - **2**].

Total Specimens for 19 October 1965: 2

20 October 1965

Kenya: Langata: Williams, John George: ROM: 1 [1 - **1**] - Mount Elgon: Kelly, P.J.: ROM: 19 [19 - **19**] - Mount Elgon Caves: Kelly, P.J.: ROM: 38 [38 - **38** - **58**].

Total Specimens for 20 October 1965: 58

21 October 1965

Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 1 [1 - **1**] - Legon: Ralph, Clement John: ROM: 2 [2 - **2** - **3**].

Total Specimens for 21 October 1965: 3

22 October 1965

Namibia: Namibia Desert Research Station [= DERU]: Coetzee, C.G.: TM: 2 [2]; Haacke, W.D.: TM: 1 [1 - **3** - **3**].

Total Specimens for 22 October 1965: 3

23 October 1965

Congo (Democratic Republic of the): Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Ghana: Kade, 11 km NE: Ralph, Clement John: ROM: 3 [3 - **3** - **3**].

Total Specimens for 23 October 1965: 4

26 October 1965

Cameroon: Tombel: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].

Total Specimens for 26 October 1965: 2

27 October 1965

Namibia: Kuiseb River: White, A.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1965: 1

28 October 1965

Congo (Democratic Republic of the): Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Kenya: Cherangani Hills: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].
Uganda: Nyabirongo: Waddell, Keith M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1965: 3

31 October 1965

Kenya: Cherangani Hills: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1965: 1

1 November 1965

Kenya: Cherangani Hills: Kelly, P.J.: ROM: 1 [1 - **1**] - Kamama: Williams, John George: ROM: 1 [1 - **1** - **2**].
Nigeria: Ibadan: Pye, J.D.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1965: 3

2 November 1965

Kenya: Cherangani Hills: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].
Nigeria: Ibadan University College: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1965: 2

3 November 1965

Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].
Niger: Niamey: Blancou, Lucien: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1965: 2

5 November 1965

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1965: 1

7 November 1965

Congo: Brazzaville: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1965: 1

9 November 1965

Niger: Niamey: Blancou, Lucien: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1965: 1

10 November 1965

Cameroon: Tombel: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1965: 1

11 November 1965

Kenya: Muumandu: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
Senegal: Bandia: Taufflieb, R.: MHNG: 2 [2 - **2** - **2**].
Uganda: Katwe, near: Williams, John George: ROM: 1 [1 - **1** - **1**].
Zimbabwe: Hatfield: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1965: 5

12 November 1965

Uganda: Katwe: Williams, John George: ROM: 1 [1 - **1**] - Katwe, near: Williams, John George: ROM: 1 [1 - **1** - **2**].

Total Specimens for 12 November 1965: 2

13 November 1965

Kenya: Elgon Forest: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].
Uganda: Katwe, near: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1965: 2

14 November 1965

Kenya: Elgon Forest: Kelly, P.J.: ROM: 2 [2 - **2** - **2**].
Uganda: Entebbe: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 14 November 1965: 4

15 November 1965

Gabon: Makokou: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Kenya: Elgon Forest: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1965: 2

16 November 1965

Cameroon: Mbonge: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **4**].
Kenya: Elgon Forest: Kelly, P.J.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 16 November 1965: 9

17 November 1965

Kenya: Elgon Forest: Kelly, P.J.: ROM: 2 [2 - **2** - **2**].
Senegal: Kaolack, 6 km E: Davis, R.M.: USNM: 13 [13 - **13** - **13**].

Total Specimens for 17 November 1965: 15

18 November 1965

Kenya: Elgon Forest: Kelly, P.J.: ROM: 1 [1 - **1**] - Muumandu: Foster, J.B.: ROM: 1 [1 - **1**] - Namanga: Williams, John George: ROM: 1 [1 - **1** - **3**].
Senegal: Kaolack, 6 km E: Davis, R.M.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 18 November 1965: 13

19 November 1965

Namibia: Rua Cana: Buys, P.J.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1965: 1

20 November 1965

Cameroon: M'bonge: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1965: 1

21 November 1965

Kenya: Shimba Hills: Foster, J.B.: ROM: 5 [5 - **5** - **5**].
Sudan: Port Sudan: : SMF: 1 [1 - **1** - **1**].
Tanzania: Seronera: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1965: 7

22 November 1965

Kenya: Elgon Forest: Kelly, P.J.: ROM: 1 [1 - **1**] - Mount Elgon Caves: Kelly, P.J.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 22 November 1965: 2

23 November 1965

Kenya: Elgon Forest: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1965: 1

24 November 1965

Botswana: Tshana: Hepplewhite, R.D.: USNM: 2 [2]; Liversedge, T.N.: USNM: 3 [3]; Setzer, Henry W.: USNM: 8 [8 - **13** - **13**].
Kenya: Elgon Forest: Kelly, P.J.: ROM: 5 [5 - **5** - **5**].
Senegal: Kaffrine, 15 km N: Davis, R.M.: USNM: 1 [1 - **1** - **1**].
South Africa: Newington: Dixon, J.; Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1965: 20

25 November 1965

Botswana: Lethlaking, 17 km SE: Setzer, Henry W.: USNM: 2 [2 - **2**] - Tshana: Hepplewhite, R.D.: USNM: 2 [2]; Liversedge, T.N.: USNM: 3 [3]; Setzer, Henry W.: USNM: 2 [2 - **7** - **9**].
Gabon: Loa-loa: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2** - **2**].
Senegal: Kaffrine, 15 km N: Davis, R.M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1965: 12

26 November 1965

Senegal: Kaffrine, 15 km N: Davis, R.M.: USNM: 13 [13 - **13** - **13**].
Uganda: Mabira Forest: Jolly, Clifford J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1965: 14

27 November 1965

Central African Republic: Bangui: Chippaux, A.: MNHN: 2, ZMA: 1 [3 - **3** - **3**].

Total Specimens for 27 November 1965: 3

30 November 1965

Botswana: Chobe NP, Kasane: Botswana Mammal Survey: USNM: 2 [2 - **2** - **2**].
Liberia: East Grassfield: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1965: 3

1 December 1965

Senegal: Kaffrine, 15 km N: Davis, R.M.: USNM: 1 [1 - **1** - **1**].
South Africa: Pirie Trout hatchery: Davidson, I.: KM: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1965: 2

2 December 1965

Gabon: Makokou: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1965: 1

3 December 1965

Botswana: Chobe NP, Kasane: Botswana Mammal Survey: USNM: 1 [1 - **1**] - Kasane: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 3 December 1965: 2

4 December 1965

Uganda: Namulonge: Jolly, Clifford J.: ROM: 12 [12 - **12** - **12**].

Total Specimens for 4 December 1965: 12

5 December 1965

Gabon: Makokou: ?: Collector Unknown: MNHN: 1 [1]; Mission Biologique au Gabon, La: ZMA: 1 [1 - **2** - **2**].

Total Specimens for 5 December 1965: 2

6 December 1965

Botswana: Chobe NP, Kasane: ?: Collector Unknown: USNM: 1 [1 - **1**] - Kasane: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 6 December 1965: 2

7 December 1965

South Africa: Weinek Farm: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 7 December 1965: 2

9 December 1965

Botswana: Chobe NP, Kasane: Botswana Mammal Survey: USNM: 2 [2 - **2**] - Kasane: Smithers, Reay Henry Noble: AMNH: 4 [4 - **4** - **6**].

Total Specimens for 9 December 1965: 6

10 December 1965

Cameroon: Mukonje: Jones, Theo Simpson: ROM: 4 [4 - **4** - **4**].
Gabon: Makokou: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Nigeria: Panyam , 2 mi [= 3.2 km] N: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].
South Africa: Nylstroom: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 10 December 1965: 8

11 December 1965

Botswana: Chobe NP, Kasane: ?: Collector Unknown: USNM: 3 [3]; Botswana Mammal Survey: USNM: 3 [3]; Smithers, Reay Henry Noble: ROM: 1 [1 - **7**] - Kasane: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **8**].

Kenya: Mitunbur: Williams, John George: ROM: 7 [7 - **7**] - Sigor: Williams, John George: ROM: 12 [12 - **12**] - Wei Wei River: Williams, John George: ROM: 2 [2 - **2** - **21**].

Total Specimens for 11 December 1965: 29

12 December 1965

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ghana: Legon: Ralph, Clement John: MVZ: 23 [23 - **23** - **23**].
Kenya: Tambala Falls: Williams, J.: ROM: 1 [1 - **1**] - Tambalal Falls: Williams, John George: ROM: 1 [1 - **1** - **2**].

Total Specimens for 12 December 1965: 26

13 December 1965

Botswana: Chobe NP, Kasane: Hughes, D.L.: USNM: 1 [1 - **1** - **1**].
Kenya: Kongelai: Williams, John George: ROM: 2 [2 - **2**] - Suam river: Williams, John George: ROM: 2 [2 - **2**] - Swan river: ?: Collector Unknown: ROM: 1 [1 - **1** - **5**].

Total Specimens for 13 December 1965: 6

14 December 1965

Nigeria: Kabwir, 1 mi S: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1965: 1

15 December 1965

Egypt: Abu Rawash: Madkour, Gamal: CM: 2 [2 - **2** - **2**].
Gabon: Batouala: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - Bengoué: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2**] - Makokou: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **4**].
Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Tunisia: Djebel Besass: Bernard, Ric T.F.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1965: 8

16 December 1965

"Africa": Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].
Kenya: Alamer: Williams, John George: ROM: 2 [2 - **2**] - Kolossia: Williams, John George: ROM: 1 [1 - **1** - **3**].

Total Specimens for 16 December 1965: 4

17 December 1965

Kenya: Sigor: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 10 [10 - **11**] - Wei Wei River: Williams, John George: ROM: 1 [1 - **1** - **12**].

Total Specimens for 17 December 1965: 12

18 December 1965

"Africa": Mahi Adar des Ifothas: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].
Liberia: Gbapa: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1965: 2

19 December 1965

South Africa: Walmer: Farrell, T.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1965: 1

20 December 1965

Congo (Democratic Republic of the): Lwiro: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1965: 2

21 December 1965

Nigeria: Kaduna: Start, Anthony N.; Watson, M.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 December 1965: 1

22 December 1965

Cameroon: Mukonje: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Malawi: Chileka: Smith, K.A.C.: ROM: 3 [3 - **3** - **3**].
South Africa: Brooklyn: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1965: 5

23 December 1965

Kenya: Kongelai: Williams, John George: ROM: 2 [2 - **2**] - Kongelai Escarpment, Tambala Falls: Williams, John George: ROM: 1 [1 - **1** - **3**].
Malawi: Chileka: Smith, K.A.C.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 23 December 1965: 5

25 December 1965

Kenya: Bat island: Mumford, Russell E.: ROM: 1 [1 - **1**] - Central island: Hutton-Seed, R.: ROM: 1 [1 - **1** - **2**].
Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 25 December 1965: 3

28 December 1965

Kenya: Central island: Seed, Robin D.: WNMU: 1 [1 - **1** - **1**].
Nigeria: Benin, 30 mi W: Herbert, H.J.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 28 December 1965: 4

29 December 1965

Nigeria: Benin, 30 mi W: Herbert, H.J.: USNM: 2 [2 - **2** - **2**].
Senegal: N'Goyé: Taufflieb, R.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1965: 3

31 December 1965

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Herbert, H.J.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 31 December 1965: 6

1 January 1966

Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 88 [88 - **88** - **88**].
Egypt: Cairo, 20 km S: Kulzer, Edwin: SMF: 30 [30 - **30** - **30**].
Liberia: East Grassfield: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1966: 124

3 January 1966

Namibia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1966: 1

5 January 1966

Kenya: Samburu Game Lodge: Williams, John George: ROM: 2 [2 - **2**] - Samburu Lodge, Vasio Nyiro River: Williams, John George: ROM: 4 [4 - **4** - **6**].

Total Specimens for 5 January 1966: 6

7 January 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Guinea: Mont Richard Molard: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].
Rwanda: Musanse: ?: Collector Unknown: RBINS: 6 [6 - **6** - **6**].

Total Specimens for 7 January 1966: 9

9 January 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Kenya: Gibraltar island: Leakey, S.H.E.: ROM: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1**] - Masindi, near: Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 9 January 1966: 4

10 January 1966

Botswana: Chobe NP, Kasane: Hughes, D.L.: USNM: 1 [1 - **1** - **1**].
Cameroon: Bimbia: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **3**].
Kenya: Ngore Ngore: Williams, A.: MSU: 2 [2 - **2** - **2**].

Total Specimens for 10 January 1966: 6

11 January 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Kenya: Ngore Ngore: Williams, A.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1966: 2

12 January 1966

Kenya: Baringo, lake: Williams, John George: ROM: 1 [1 - **1**] - Kiu: Sillu, David M.: ROM: 2 [2 - **2**] - Kiuu: Williams, John George; Sillu, David M.: ROM: 3 [3 - **3** - **6**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].
The Gambia: Banjul, 8 mi [=13 km] W: Davis, R.M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1966: 8

13 January 1966

Malawi: Chileka: Smith, K.A.C.: ROM: 2 [2 - **2** - **2**].
The Gambia: Banjul, 8 mi [=13 km] W: Davis, R.M.: USNM: 6 [6 - **6**] - Bathurst [=Banjul]: Davis, R.M.: USNM: 2 [2 - **2**] - Bathurst, 8 mi [= 13 km] W: Davis, R.M.: USNM: 4 [4 - **4** - **12**].

Total Specimens for 13 January 1966: 14

14 January 1966

Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1966: 1

15 January 1966

Tanzania: Mtwara region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1966: 1

16 January 1966

Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].
South Africa: Birchleig: Coetzee, C.G.: TM: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1966: 3

17 January 1966

Congo (Democratic Republic of the): Kiliza: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Cherangani Mountain: Williams, John George; Jones, J.: ROM: 1 [1 - **1** - **1**].

Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].
Uganda: Toro: Williams: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1966: 5

18 January 1966

Kenya: Mtito Andei: Williams, John George: ROM: 1 [1 - **1** - **1**].
Niger: Niamey, 25 km S: Dube, R.: USNM: 1 [1 - **1** - **1**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 18 January 1966: 4

19 January 1966

Kenya: Mtito Andei: Williams, John George: ROM: 2 [2 - **2** - **2**].
Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1966: 3

20 January 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].
Nigeria: Ibadan University College: Herbert, H.J.: USNM: 7 [7 - **7** - **7**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1966: 11

22 January 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 3 [3 - **3** - **3**].
Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1966: 4

23 January 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1966: 1

24 January 1966

Kenya: Kalifi: Forbes-Watson, A.D.: USNM: 4 [4 - **4** - **4**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].
Nigeria: Ibadan University College: Herbert, H.J.: USNM: 26 [26 - **26** - **26**].
South Africa: Brakfontein: Geldenhuys, P.J.: USNM: 3 [3]; Risser, A.C.: USNM: 3 [3 - **6** - **6**].
Uganda: Toro: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1966: 38

25 January 1966

Cameroon: Mabetta [= Maneta]: Jones, Theo Simpson: ROM: 4 [4 - **4** - **4**].
Uganda: Bwamba Forest: Williams, John George: ROM: 1 [1 - **1**] - Toro: Glen, Robert M.: ROM: 6 [6 - **6** - **7**].

Total Specimens for 25 January 1966: 11

27 January 1966

Kenya: Kiu: Sillu, David M.: ROM: 3 [3 - **3**] - Kiuu: Williams, John George; Glen, Robert M.: ROM: 1 [1]; Williams, John George; Sillu, David M.: ROM: 1 [1 - **2** - **5**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1966: 6

28 January 1966

Senegal: Ziguinchor: Davis, R.M.: USNM: 55 [55 - **55** - **55**].

Total Specimens for 28 January 1966: 55

29 January 1966

Kenya: North Cherangani: Kelly, P.J.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 29 January 1966: 3

30 January 1966

Ghana: Kade Agricultural Research Station: Lawler, R.S.: ROM: 4 [4 - **4**] - Kade Agricultural Research Station, SE: Lawler, R.S.: ROM: 1 [1 - **1** - **5**].
Kenya: North Cherangani: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].
Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 3 [3 - **3** - **3**].
Uganda: Namagunga, Buganda: Jolly, Clifford J.: ROM: 22 [22 - **22** - **22**].

Total Specimens for 30 January 1966: 31

31 January 1966

Liberia: Iti Riviere: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1966: 2

1 February 1966

Kenya: Sigor: Williams, A.E.; Jones: ROM: 5 [5]; Williams, John George; Jones, J.: ROM: 17 [17 - **22**] - Wei Wei River: ?: Collector Unknown: ROM: 1 [1]; Jones, John: ROM: 2 [2]; Williams, John George; Jones, J.: ROM: 4 [4 - **7** - **29**].
Nigeria: Oyo, 7 mi [= 11 km] W: Herbert, H.J.: USNM: 64 [64 - **64** - **64**].
Rwanda: Nyumba cave: Anciaux de Faveaux, Félix / Michel: RBINS: 10 [10 - **10** - **10**].

Total Specimens for 1 February 1966: 103

2 February 1966

Kenya: Muumandu: Sillu, David M.: RMCA: 2 [2 - **2** - **2**].
Liberia: Nimba East: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1966: 3

3 February 1966

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1966: 1

4 February 1966

Kenya: Cherangani Hills: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1966: 1

5 February 1966

Nigeria: Oyo, 7 mi [= 11 km] W: Herbert, H.J.: USNM: 6 [6 - **6** - **6**].
Uganda: Soroti: ?: Collector Unknown: ROM: 7 [7]; Williams, John George: ROM: 9 [9 - **16** - **16**].

Total Specimens for 5 February 1966: 22

6 February 1966

Kenya: Lake Jipe: Williams, A.: MSU: 2 [2 - **2** - **2**].
Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 1 [1 - **1**] - Mount Nimba West: Verschuren, Jacques: RBINS: 1 [1 - **1** - **2**].
Rwanda: Nyanza: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Senegal: Sedhiou: Davis, R.M.: USNM: 8 [8 - **8**] - Sedhiou Department: Davis, R.M.: USNM: 1 [1 - **1** - **9**].

Total Specimens for 6 February 1966: 14

7 February 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].

Total Specimens for 7 February 1966: 2

8 February 1966

Cameroon: Essosong: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Tanzania: Mtwara region: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1966: 2

10 February 1966

Cameroon: Kribi: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1966: 1

11 February 1966

Kenya: North Cherangani: Kelly, P.J.: ROM: 2 [2 - **2** - **2**].
Tanzania: Mikindani: Andersen, Th.: SMF: 12 [12 - **12** - **12**].

Total Specimens for 11 February 1966: 14

12 February 1966

Cameroon: Mukonje: Jones, Theo Simpson: ROM: 3 [3 - **3** - **3**].
Liberia: Iti: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Malawi: Chileka: Smith, K.A.C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1966: 5

13 February 1966

Rwanda: Gihinda: ?: Collector Unknown: RBINS: 3 [3 - **3**] - Nyumba cave: ?: Collector Unknown: RBINS: 1 [1 - **1** - **4**].

Total Specimens for 13 February 1966: 4

14 February 1966

Tanzania: Mikindani: : SMF: 4 [4]; Andersen, Th.: SMF: 8 [8 - **12**] - Mtwara region: ?: Collector Unknown: SMF: 1 [1]; Andersen, Th.: SMF: 1 [1 - **2**] - Mwela: Kalchreuter: SMNS: 1 [1 - **1**] - Tanzania: ?: Collector Unknown: SMF: 1 [1 - **1** - **16**].

Total Specimens for 14 February 1966: 16

15 February 1966

The Gambia: Kudang: Davis, R.M.: USNM: 9 [9 - **9** - **9**].

Total Specimens for 15 February 1966: 9

16 February 1966

The Gambia: Kudang: Davis, R.M.: USNM: 16 [16 - **16** - **16**].

Total Specimens for 16 February 1966: 16

17 February 1966

Cameroon: Barombi Kang: Lawler, R.S.: ROM: 1 [1 - **1**] - Kumba: Lawler, R.S.: ROM: 11 [11 - **11** - **12**].

Total Specimens for 17 February 1966: 12

18 February 1966

Botswana: Kwebe Hills, 18 mi [=26 km] NW: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Nigeria: Asaba, 5 mi [=8 km] N: Herbert, H.J.: USNM: 22 [22 - **22** - **22**].
Rwanda: Gahinga: ?: Collector Unknown: RBINS: 6 [6 - **6** - **6**].

Total Specimens for 18 February 1966: 29

19 February 1966

Botswana: Dautsa Flats: Liversedge, T.N.: USNM: 3 [3 - **3** - **3**].
Cameroon: Kumba: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].
Nigeria: Ibadan University College: Herbert, H.J.: USNM: 19 [19 - **19** - **19**].

The Gambia: Kudang: Davis, R.M.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 19 February 1966: 30

20 February 1966

Botswana: Dautsa Flats: Liversedge, T.N.: USNM: 4 [4 - **4** - **4**].
Cameroon: Barombi Kang: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].
Nigeria: Aguleri, 1.5 mi E: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1966: 6

21 February 1966

Cameroon: Barombi Kang: Lawler, R.S.: ROM: 4 [4 - **4**] - Kumba: Lawler, R.S.: ROM: 2 [2 - **2** - **6**].
The Gambia: Kudang: Davis, R.M.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 21 February 1966: 8

22 February 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 9 [9 - **9** - **9**].

Total Specimens for 22 February 1966: 9

23 February 1966

Cameroon: Kumba: Lawler, R.S.: ROM: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Jadotville: ?: Collector Unknown: RBINS: 10 [10 - **10**] - Kakontwe: Misonne, Xavier: RMCA: 50 [50 - **50** - **60**].
Kenya: Mount Elgon: Kelly, P.J.: ROM: 3 [3 - **3** - **3**].
Nigeria: Aguleri, 1.5 mi E: Herbert, H.J.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 23 February 1966: 70

24 February 1966

Cameroon: Barombi Kang: Lawler, R.S.: ROM: 8 [8 - **8** - **8**].
Liberia: Basse-Iti: : RBINS: 1 [1 - **1** - **1**].
Nigeria: Aguleri, 1.5 mi E: Herbert, H.J.: USNM: 7 [7 - **7** - **7**].
Rwanda: Astrida: ?: Collector Unknown: RBINS: 7 [7 - **7** - **7**].
Uganda: Arua: Jolly, Clifford J.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 24 February 1966: 29

25 February 1966

Egypt: Aswan: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 25 February 1966: 6

26 February 1966

Nigeria: Aguleri, 1.5 mi E: Herbert, H.J.: USNM: 2 [2 - **2** - **2**].
Rwanda: Astrida: ?: Collector Unknown: RBINS: 21 [21 - **21** - **21**].

Total Specimens for 26 February 1966: 23

28 February 1966

Cameroon: Douala airport: Lawler, R.S.: ROM: 6 [6 - **6** - **6**].
South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: ?: Collector Unknown: BRTC: 1 [1]; Copley, R.B.: TM: 1 [1 - **2** - **2**].
Zambia: Natural Resources Development College: Tait, H.: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1966: 9

1 March 1966

Cameroon: Douala airport: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].
South Africa: Birchleig: Coetzee, C.G.: TM: 1 [1 - **1**] - Letaba Camp: Young, E.: KNP: 2 [2 - **2** - **3**].

Total Specimens for 1 March 1966: 5

2 March 1966

Cameroon: Douala airport: Lawler, R.S.: ROM: 4 [4 - **4** - **4**].
Kenya: Muumandu: Sillu, David M.: UMMZ: 1 [1 - **1** - **1**].
Liberia: Nimba, mount: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1966: 6

3 March 1966

Cameroon: Douala airport: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].
Kenya: Central island: Foster, J.B.: NMK: 2, ROM: 1 [3 - **3** - **3**].
Rwanda: Gihinda: ?: Collector Unknown: RBINS: 4 [4 - **4** - **4**].

Total Specimens for 3 March 1966: 11

4 March 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 13 [13 - **13** - **13**].
Uganda: Katalemura: Jolly, Clifford J.: ROM: 1 [1 - **1** - **1**].
Zambia: Lusaka: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 March 1966: 15

7 March 1966

Uganda: Namagunga, Buganda: Jolly, Clifford J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1966: 1

8 March 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 19 [19 - **19** - **19**].

Total Specimens for 8 March 1966: 19

9 March 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 3 [3 - **3** - **3**].

Total Specimens for 9 March 1966: 3

10 March 1966

Nigeria: Calabar, 15 mi [=24 km] N: Herbert, H.J.: USNM: 1 [1 - **1**] - Calabar, 15 mi N: Herbert, H.J.: USNM: 12 [12 - **12** - **13**].
Uganda: Katalemura: Jolly, Clifford J.: ROM: 1 [1 - **1**] - Namagunga, Buganda: Jolly, Clifford J.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 10 March 1966: 15

11 March 1966

Cameroon: Douala airport, 5 km E: Lawler, R.S.: ROM: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1966: 4

12 March 1966

Congo (Democratic Republic of the): Kaniki Kapangu: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - Mutembu Kaniki Kapangu: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **4**].
Liberia: Mount Nimba West: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1966: 5

13 March 1966

Congo (Democratic Republic of the): Kaniki Kapangu: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1966: 1

14 March 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1966: 1

15 March 1966

Kenya: Mount Suswa: Barton, Miles: ROM: 1 [1 - **1** - **1**].
Nigeria: Oban, 14 [= 22.5 km] mi S: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1966: 2

16 March 1966

Nigeria: Oban, 14 [= 22.5 km] mi S: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].
Uganda: Namulonge: Jolly, Clifford J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1966: 2

18 March 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Uganda: Katalemura: Jolly, Clifford J.: ROM: 1 [1 - **1**] - Katalemwa: Jolly, Clifford J.: ROM: 3 [3 - **3** - **4**].

Total Specimens for 18 March 1966: 5

22 March 1966

Cameroon: Lolodort: Lawler, R.S.: ROM: 5 [5 - **5** - **5**].
Congo (Democratic Republic of the): Kakanda cave: Prigogine, Alexandre: RMCA: 3 [3 - **3** - **3**].
South Africa: Newington: Baddeley, M. St. C.: ROM: 7 [7]; Dixon, J.; Baddeley, M. St. C.: ROM: 5 [5 - **12** - **12**].

Total Specimens for 22 March 1966: 20

23 March 1966

Cameroon: Lolodort: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 23 March 1966: 7

24 March 1966

Congo (Democratic Republic of the): Kaniki Kapangu: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Lubumbashi: Poelman, L.: RBINS: 1 [1 - **1** - **2**].
Senegal: Podor: Davis, R.M.: USNM: 65 [65 - **65** - **65**].

Total Specimens for 24 March 1966: 67

25 March 1966

Congo (Democratic Republic of the): Elisabethville: ?: Collector Unknown: RBINS: 40 [40 - **40**] - M'Baya cave: Misonne, Xavier: RMCA: 141 [141 - **141** - **181**].
Namibia: Kobos: Silberstein, A.R.: USNM: 2 [2 - **2** - **2**].
Senegal: Podor: Davis, R.M.: USNM: 19 [19 - **19** - **19**].
South Africa: Newington: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1966: 203

26 March 1966

Congo (Democratic Republic of the): Lubumbashi: Misonne, Xavier: RMCA: 2 [2 - **2** - **2**].
Kenya: Nakuru: Williams, John George: ROM: 4 [4 - **4** - **4**].

Total Specimens for 26 March 1966: 6

27 March 1966

Egypt: Abu Rawash: Madkour, Gamal: CM: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1966: 1

28 March 1966

Senegal: Cascas: Davis, R.M.: USNM: 12 [12 - **12** - **12**].

Total Specimens for 28 March 1966: 12

29 March 1966

Senegal: Cascas: Davis, R.M.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 29 March 1966: 3

30 March 1966

Tanzania: Mikindani: Andersen, Th.: SMF: 6 [6 - **6** - **6**].

Total Specimens for 30 March 1966: 6

1 April 1966

Mozambique: Chimonzo: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1966: 3

5 April 1966

Ghana: Legon University: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1966: 2

7 April 1966

Ghana: Legon university: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 7 April 1966: 2

8 April 1966

Nigeria: Dikwa, 31 mi NE: Herbert, H.J.: USNM: 2 [2 - **2**] - Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **3**].
Rwanda: Nyamasheke: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Senegal: Matam: Davis, R.M.: USNM: 24 [24 - **24** - **24**].

Total Specimens for 8 April 1966: 28

9 April 1966

Senegal: Matam: Davis, R.M.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 9 April 1966: 5

10 April 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 3 [3 - **3** - **3**].
Ghana: Legon University: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].
Nigeria: Dikwa, 31 mi NE: Herbert, H.J.: USNM: 14 [14 - **14** - **14**].

Total Specimens for 10 April 1966: 19

11 April 1966

Ghana: Legon University: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1966: 1

12 April 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 7 [7 - **7** - **7**].
Ghana: Legon University: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1966: 8

13 April 1966

Ghana: Legon University: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].
Kenya: Shimoni: Williams, John George: ROM: 13 [13 - **13** - **13**].

Total Specimens for 13 April 1966: 14

14 April 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 14 [14 - **14** - **14**].
Ghana: Kade Agricultural Research Station: Lawler, R.S.: ROM: 13 [13 - **13** - **13**].

Total Specimens for 14 April 1966: 27

15 April 1966

Botswana: Zelu, 3 mi [=4.8 km] W: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Cameroon: Tombel: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ghana: Kade Agricultural Research Station: Lawler, R.S.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 15 April 1966: 7

16 April 1966

Ghana: Kade Agricultural Research Station: Lawler, R.S.: ROM: 6 [6 - **6** - **6**].
Senegal: Bakel, 5 km S: Davis, R.M.: USNM: 44 [44 - **44** - **44**].

Total Specimens for 16 April 1966: 50

17 April 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 33 [33 - **33** - **33**].
Ghana: Kade Agricultural Research Station: Lawler, R.S.: ROM: 8 [8 - **8** - **8**].
Kenya: Kilifi Creek, head of: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 17 April 1966: 43

18 April 1966

Kenya: Kilifi: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **1**].
Senegal: Ogo: Davis, R.M.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 18 April 1966: 6

19 April 1966

Kenya: Kilifi: Williams, A.E.; Williams, John George: ROM: 3 [3 - **3** - **3**].
Nigeria: Bichi, 1 mi W: Herbert, H.J.: USNM: 3 [3 - **3**] - Ibadan: Akpan, S.B.: USNM: 3 [3 - **3** - **6**].

Total Specimens for 19 April 1966: 9

20 April 1966

Congo (Democratic Republic of the): Kahuzi: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Kenya: Shimoni: Williams, John George: ROM: 1 [1 - **1**] - Sokoke Forest: Williams, John George: ROM: 2 [2 - **2** - **3**].
Nigeria: Bichi, 1 mi W: Herbert, H.J.: USNM: 1 [1 - **1**] - Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **3**].
Senegal: Goudiri: Davis, R.M.: USNM: 47 [47 - **47** - **47**].

Total Specimens for 20 April 1966: 54

21 April 1966

Congo (Democratic Republic of the): Kahuzi: Kunkel, P.: SMF: 1 [1 - **1** - **1**].
Kenya: Kilifi: Williams, A.E.; Williams, John George: ROM: 4 [4 - **4**] - Kilifi Creek, head of: Williams, John George: ROM: 13 [13 - **13** - **17**].

Total Specimens for 21 April 1966: 18

22 April 1966

Kenya: Kilifi: Williams, John George: ROM: 4 [4 - **4** - **4**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 22 April 1966: 8

23 April 1966

Cameroon: Bota: ?: Collector Unknown: BRTC: 1 [1 - **1**] - Tombel: Jones, Theo Simpson: ROM: 1 [1 - **1** - **2**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1966: 3

25 April 1966

Ghana: Legon: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].
Nigeria: Zaria, 5 mi [= 8 km] NW: Herbert, H.J.: USNM: 13 [13 - **13** - **13**].

Total Specimens for 25 April 1966: 15

26 April 1966

Nigeria: Ibadan: Herbert, H.J.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 26 April 1966: 2

27 April 1966

Nigeria: Zaria, 15 mi NW: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 April 1966: 1

28 April 1966

Nigeria: Ibadan: Herbert, H.J.: USNM: 2 [2 - **2** - **2**].
Senegal: Saboya: Taufflieb, R.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1966: 3

29 April 1966

Nigeria: Ibadan: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1966: 1

30 April 1966

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1966: 1

1 May 1966

Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Mozambique: Panda: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1966: 6

2 May 1966

Kenya: Kabras Forest: Kelly, P.J.: ROM: 16 [16 - **16** - **16**].
Liberia: Mount Nimba: Coe, Malcolm J.: BMNH: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1966: 18

3 May 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Herbert, H.J.: USNM: 2 [2 - **2** - **2**].
Zimbabwe: Eyerston Farm: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1966: 4

5 May 1966

Ghana: Unknown locality: Lawler, R.S.: ROM: 1 [1 - **1**] - Nungua: Lawler, R.S.: ROM: 2 [2 - **2** - **3**].
Nigeria: Ibadan: Herbert, H.J.: USNM: 2 [2 - **2** - **2**].

Senegal: Dialocote: Davis, R.M.: USNM: 9 [9 - **9** - **9**].

Total Specimens for 5 May 1966: 14

6 May 1966

Senegal: Dialocote: Davis, R.M.: USNM: 29 [29 - **29** - **29**].

Total Specimens for 6 May 1966: 29

7 May 1966

Ghana: Legon: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].
Senegal: Dialocote: Davis, R.M.: USNM: 19 [19 - **19** - **19**].

Total Specimens for 7 May 1966: 21

8 May 1966

Ghana: Legon: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 8 May 1966: 2

9 May 1966

Ghana: Legon: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].
Liberia: East Grassfield: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Nigeria: Kware: Herbert, H.J.: USNM: 2 [2 - **2**] - Sokoto, 12 mi N: Herbert, H.J.: USNM: 2 [2 - **2** - **4**].
Senegal: Saboya: Taufflieb, R.: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 9 May 1966: 9

10 May 1966

Botswana: Chobe NP, Kasane: Elder, William Hanna: ROM: 1 [1 - **1** - **1**].
Central African Republic: La Maboké: Pujol, Raymond; Teocchi, Pierre: MNHN: 44 [44 - **44** - **44**].
Nigeria: Sokoto, 12 mi N: Herbert, H.J.: USNM: 4 [4 - **4** - **4**].
Senegal: Gamon: Davis, R.M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1966: 50

11 May 1966

Nigeria: Kware: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].
Senegal: Gamon: Davis, R.M.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 11 May 1966: 5

12 May 1966

Botswana: Chobe NP, Kasane: Haylock, R.E.: ROM: 1 [1 - **1** - **1**].
Cameroon: Tombel: Jones, Theo Simpson: ROM: 5 [5 - **5** - **5**].
Ghana: Legon: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].
Liberia: Mount Nimba: Coe, Malcolm J.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 12 May 1966: 11

13 May 1966

Botswana: Chobe NP, Kasane: Haylock, R.E.: ROM: 11 [11 - **11** - **11**].
Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Nigeria: Kware: Herbert, H.J.: USNM: 6 [6 - **6** - **6**].
South Africa: Newington: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].
Tanzania: Mikindani: Andersen, Th.: SMF: 3 [3 - **3** - **3**].

Total Specimens for 13 May 1966: 23

14 May 1966

Botswana: Chobe NP, Kasane: Haylock, R.E.: ROM: 6 [6 - **6** - **6**].
Burkina Faso: Bobo-Dioulasso: Hamon: MNHN: 1 [1 - **1** - **1**].
Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
South Africa: American cave: Coetzee, C.G.: TM: 2 [2 - **2** - **2**].

Tanzania: Mikindani: Andersen, Th.: SMF: 6 [6 - **6** - **6**].

Total Specimens for 14 May 1966: 16

15 May 1966

Botswana: Kasungula: Haylock, J.: ROM: 1 [1 - **1** - **1**].
Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kenya: West Lands: Williams, John George: ROM: 1 [1 - **1** - **1**].
Nigeria: Zaria, 7 mi NW: Herbert, H.J.: USNM: 17 [17 - **17** - **17**].
Senegal: Linguere: Davis, R.M.: USNM: 1 [1 - **1** - **1**].
Uganda: Katalemwa: Jolly, Clifford J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1966: 22

16 May 1966

Uganda: Katalemwa: Jolly, Clifford J.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 16 May 1966: 3

17 May 1966

Kenya: Rocky Island, Uhaya Bay: Van Vegten, J.: ZMA: 1 [1 - **1**] - West Lands: Williams, John George: ROM: 2 [2 - **2** - **3**].
Uganda: Katalemwa: Jolly, Clifford J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1966: 4

18 May 1966

Tanzania: Mikindani: Andersen, Th.: SMF: 6 [6 - **6** - **6**].
Uganda: Katalemwa: Jolly, Clifford J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 18 May 1966: 8

19 May 1966

Uganda: Katalemwa: Jolly, Clifford J.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 19 May 1966: 6

20 May 1966

Botswana: Gaberones, 5 mi W: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 May 1966: 1

22 May 1966

Nigeria: Fika: Herbert, H.J.: USNM: 3 [3 - **3** - **3**].
Senegal: Linguere: Davis, R.M.: USNM: 2 [2 - **2** - **2**].
Tanzania: Mikindani: Andersen, Th.: SMF: 13 [13 - **13** - **13**].

Total Specimens for 22 May 1966: 18

23 May 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 5 [5 - **5** - **5**].
Nigeria: Fika: Herbert, H.J.: USNM: 12 [12 - **12** - **12**].

Total Specimens for 23 May 1966: 17

26 May 1966

Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Nigeria: Zungeru: Herbert, H.J.: USNM: 62 [62 - **62** - **62**].
Senegal: Linguere: Davis, R.M.: USNM: 50 [50 - **50** - **50**].

Total Specimens for 26 May 1966: 113

27 May 1966

Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - Nganza rivier: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **3**].
Kenya: Nairobi, 6 mi N: Hartman, D.S.: CUMV: 1 [1 - **1** - **1**].
Senegal: Linguere: Davis, R.M.: USNM: 2 [2 - **2** - **2**].
Tanzania: Mikindani: Andersen, Th.: SMF: 4 [4 - **4** - **4**].

Total Specimens for 27 May 1966: 11

29 May 1966

Botswana: Lobatsi: Liversedge, T.N.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 29 May 1966: 3

30 May 1966

Botswana: Lobatsi: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Tanzania: Mikindani: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1966: 2

1 June 1966

Botswana: Lobatsi: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Mozambique: Mapinhane: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1966: 2

2 June 1966

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Ghana: Nungua: Lawler, R.S.: ROM: 2 [2 - **2** - **2**].
Tanzania: Mikindani: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1966: 4

3 June 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2**] - Tombel: Jones, Theo Simpson: ROM: 7 [7 - **7** - **9**].

Total Specimens for 3 June 1966: 9

5 June 1966

Botswana: Chobe NP, Kasane: Haylock, J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1966: 1

6 June 1966

Ghana: Afloa, 105 km W: Lawler, R.S.: ROM: 1 [1 - **1**] - Afloa, 72 km W: Lawler, R.S.: ROM: 5 [5 - **5** - **6**].
Uganda: Katalemwa: Jolly, Clifford J.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 6 June 1966: 9

7 June 1966

Rwanda: Ruhengeri: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].
The Gambia: Toniataba: Davis, R.M.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 7 June 1966: 8

8 June 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].
Rwanda: Musanze: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2** - **2**].
The Gambia: Toniataba: Davis, R.M.: USNM: 1 [1 - **1** - **1**].
Uganda: near Arua: Maclure, J.P.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 8 June 1966: 8

9 June 1966

The Gambia: Toniataba: Davis, R.M.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 9 June 1966: 2

10 June 1966

Congo (Democratic Republic of the): Topetope: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Nigeria: Shagunu: Herbert, H.J.: USNM: 66 [66 - **66** - **66**].
Rwanda: Musanse: ?: Collector Unknown: RBINS: 3 [3 - **3** - **3**].
The Gambia: Toniataba: Davis, R.M.: USNM: 19 [19 - **19** - **19**].
Uganda: Kampala: Jolly, Clifford J.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 10 June 1966: 93

12 June 1966

Nigeria: Shagunu: Herbert, H.J.: USNM: 21 [21 - **21** - **21**].
The Gambia: Toniataba: Davis, R.M.: USNM: 1 [1 - **1** - **1**].
Uganda: Katalemwa: Jolly, Clifford J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 12 June 1966: 24

13 June 1966

The Gambia: Toniataba: Davis, R.M.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 13 June 1966: 10

14 June 1966

The Gambia: Toniataba: Davis, R.M.: USNM: 27 [27 - **27** - **27**].

Total Specimens for 14 June 1966: 27

16 June 1966

Congo (Democratic Republic of the): Lwiro: Elbl, A.: USNM: 1 [1 - **1** - **1**].
Kenya: Trans-Nzoia district: Williams, A.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1966: 2

17 June 1966

Senegal: Joal, 4 km N: Davis, R.M.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 17 June 1966: 2

18 June 1966

Botswana: Digomo De Kai: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Topetope: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Rwanda: Butare: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1966: 3

19 June 1966

Senegal: Joal, 4 km N: Davis, R.M.: USNM: 56 [56 - **56** - **56**].

Total Specimens for 19 June 1966: 56

20 June 1966

Cameroon: Mukonje: ?: Collector Unknown: BRTC: 2 [2 - **2** - **2**].
Kenya: Kakamega forest station: Boettcher, John W.: WNMU: 1 [1]; Western New Mexico University: FMNH: 1 [1 - **2** - **2**].

Total Specimens for 20 June 1966: 4

21 June 1966

Nigeria: Samaru: Adams, J.: USNM: 1 [1 - **1** - **1**].
Senegal: Joal, 4 km N: Davis, R.M.: USNM: 20 [20 - **20** - **20**].

Uganda: Unknown locality: Matthysse, John G.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1966: 22

22 June 1966

Tanzania: Mikindani: Andersen, Th.: SMF: 3 [3 - **3**] - Mtwara region: Andersen, Th.: SMF: 3 [3 - **3** - **6**].
Uganda: Budongo Forest: Williams: LACM: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1966: 7

25 June 1966

Kenya: Kakamega forest station: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1966: 1

26 June 1966

Nigeria: Ibadan: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1966: 1

27 June 1966

Tanzania: Mikindani: Andersen, Th.: SMF: 23 [23 - **23** - **23**].

Total Specimens for 27 June 1966: 23

28 June 1966

Uganda: Arua: Maclure, J.P.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 28 June 1966: 2

30 June 1966

Tanzania: Mikindani: Andersen, Th.: SMF: 9 [9 - **9** - **9**].
Uganda: Arua: Maclure, J.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1966: 10

1 July 1966

Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kenya: Kakamega forest station: Western New Mexico University: FMNH: 1 [1 - **1**] - Sigor: Williams, John George: ROM: 4 [4 - **4** - **5**].
Senegal: Dakar: Davis, R.M.: USNM: 7 [7 - **7** - **7**].
Seychelles: Mahé: Mission Université Libre de Bruxelles: RMCA: 2 [2 - **2** - **2**].
Uganda: Arua: Maclure, J.P.: ROM: 2 [2 - **2**] - near Arua: Maclure, J.P.: ROM: 2 [2 - **2** - **4**].

Total Specimens for 1 July 1966: 19

2 July 1966

Senegal: Dakar: Davis, R.M.: USNM: 8 [8 - **8** - **8**].
Uganda: Budongo Forest: Williams, A.E.; Williams, John George: LACM: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1966: 9

3 July 1966

Kenya: Masol Location: Williams, John George: ROM: 4 [4 - **4** - **4**].

Total Specimens for 3 July 1966: 4

4 July 1966

Congo (Democratic Republic of the): Topetope: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Masol Location: Williams, John George: ROM: 3 [3 - **3** - **3**].
Senegal: Dakar: Davis, R.M.: USNM: 5 [5 - **5** - **5**].
Uganda: near Arua: Maclure, J.P.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 4 July 1966: 12

5 July 1966

Congo (Democratic Republic of the): Topetope: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Namibia: Erongorus Usakos: Coetzee, C.G.: TM: 1 [1 - **1** - **1**].
Tanzania: Amboni cave: ?: Collector Unknown: NMK: 6 [6 - **6** - **6**].
Uganda: near Arua: Maclure, J.P.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 5 July 1966: 11

6 July 1966

Tanzania: Mikindani: Andersen, Th.: SMF: 3 [3 - **3** - **3**].
Uganda: near Arua: Maclure, J.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1966: 4

7 July 1966

Kenya: Masol Location: Williams, John George: ROM: 4 [4 - **4**] - Sigor: Williams, John George: ROM: 3 [3 - **3** - **7**].
Uganda: Arua: Maclure, J.P.: ROM: 1 [1 - **1**] - near Arua: Maclure, J.P.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 7 July 1966: 9

8 July 1966

Congo (Democratic Republic of the): Topetope: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Tanzania: Mtwara region: Andersen, Th.: SMF: 1 [1 - **1** - **1**].
Uganda: near Arua: Maclure, J.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1966: 3

9 July 1966

Congo (Democratic Republic of the): Topetope: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].
Kenya: Cherangani Hills: Kelly, P.J.: ROM: 4 [4 - **4**] - Kapolet River, Cherangani, 7: Kelly, P.J.: ROM: 1 [1 - **1**] - Kobolet river: Kelly, P.J.: ROM: 1 [1 - **1**] - North Cherangani: Kelly, P.J.: ROM: 1 [1 - **1** - **7**].
Senegal: Saint Louis, 10 km SE: Davis, R.M.: USNM: 1 [1 - **1** - **1**].
Uganda: Arua: Maclure, J.P.: ROM: 1 [1 - **1**] - near Arua: Maclure, J.P.: ROM: 2 [2 - **2** - **3**].

Total Specimens for 9 July 1966: 13

10 July 1966

Botswana: Ghanzi, 20 mi NE: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Topetope: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Nigeria: Sapoba Forest Reserve: Herbert, H.J.: USNM: 2 [2 - **2** - **2**].
Senegal: Saint Louis, 10 km SE: Davis, R.M.: USNM: 1 [1 - **1** - **1**].
Uganda: near Arua: Maclure, J.P.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 10 July 1966: 7

11 July 1966

Nigeria: Sapoba Forest Reserve: Herbert, H.J.: USNM: 2 [2 - **2** - **2**].
Senegal: Saint Louis, 10 km SE: Davis, R.M.: USNM: 1 [1 - **1** - **1**].
Uganda: Arua: Maclure, J.P.: ROM: 1 [1 - **1**] - near Arua: Maclure, J.P.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 11 July 1966: 5

12 July 1966

Kenya: Sigor: Williams, John George: ROM: 2 [2 - **2** - **2**].
Nigeria: Sapoba Forest Reserve: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].
Senegal: Saint Louis, 10 km SE: Davis, R.M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1966: 4

13 July 1966

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].
Kenya: Sigor: Williams, John George: ROM: 13 [13 - **13** - **13**].

Uganda: near Arua: Maclure, J.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1966: 16

14 July 1966

Kenya: Kilifi Creek: Western New Mexico University: FMNH: 3 [3 - **3**] - Sigor: Williams, John George: ROM: 3 [3 - **3** - **6**].

Total Specimens for 14 July 1966: 6

15 July 1966

Liberia: Mount Nimba: Coe, Malcolm J.: BMNH: 1 [1 - **1** - **1**].
Nigeria: Sapoba Forest Reserve: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1966: 2

16 July 1966

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Kenya: Kilifi Creek: Western New Mexico University: FMNH: 1 [1 - **1**] - Kilifi, 2 mi W: Western New Mexico University: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 16 July 1966: 3

17 July 1966

Kenya: Kilifi Creek, head of: Boettcher, John W.: WNMU: 1 [1 - **1**] - Kilifi, 2 mi W: Baettcher, J.W.: WNMU: 1 [1]; Western New Mexico University: FMNH: 2 [2 - **3**] - Kongelai Escarpment: Kelly, P.J.: ROM: 20 [20 - **20**] - Suyani, 10 km N: Kelly, P.J.: SAMA: 1 [1 - **1**] - West Pokot Escarpement: Kelly, P.J.: ROM: 83 [83 - **83** - **108**].

Total Specimens for 17 July 1966: 108

18 July 1966

Kenya: Kilifi, 2 mi W: Western New Mexico University: FMNH: 2 [2 - **2** - **2**].
Senegal: Louga, 8 km E: Davis, R.M.: USNM: 41 [41 - **41** - **41**].
Tanzania: Mtwara region: Andersen, Th.: SMF: 2 [2 - **2** - **2**].
Uganda: Katalemwa: Jolly, Clifford J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1966: 46

19 July 1966

Kenya: Sigor: Williams, John George: ROM: 1 [1 - **1** - **1**].
Liberia: Mount Nimba: Coe, Malcolm J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1966: 2

20 July 1966

Côte d'Ivoire: Flampleu: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2** - **2**].
Kenya: Sigor: Williams, John George: ROM: 6 [6 - **6** - **6**].
Tanzania: Mtwara region: Andersen, Th.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1966: 9

21 July 1966

Kenya: Kanapoi: Tippett, M.J.: MCZ: 1 [1 - **1**] - Kilifi, 2 mi W: Western New Mexico University: FMNH: 1 [1 - **1**] - Sigor: Williams, John George: ROM: 2 [2 - **2**] - Sokoke Forest: Baettcher, J.W.: WNMU: 1 [1]; Western New Mexico University: FMNH: 3 [3 - **4** - **8**].
Nigeria: Samaru: Adams, J.: USNM: 12 [12 - **12** - **12**].
Senegal: Thiès, 10 km W: Davis, R.M.: USNM: 16 [16 - **16** - **16**].

Total Specimens for 21 July 1966: 36

22 July 1966

Kenya: Kaputir: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 22 July 1966: 2

23 July 1966

Kenya: Kilifi, 2 mi W: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1966: 1

24 July 1966

Kenya: Mtembur: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 24 July 1966: 2

25 July 1966

Côte d'Ivoire: Flampleu: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 July 1966: 2

26 July 1966

Guinea: cave, Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1966: 1

27 July 1966

Kenya: Bondo: Van Vegten, J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 27 July 1966: 2

28 July 1966

Kenya: Bondo, 4 mi [=6.4 km] W: Van Vegten, J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1966: 1

30 July 1966

South Africa: American cave: Coetzee, C.G.: TM: 2 [2 - **2** - **2**].

Total Specimens for 30 July 1966: 2

1 August 1966

Côte d'Ivoire: Toyébli: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 8 [8 - **8** - **8**].
Nigeria: Kaduna: Watson, N.A.C.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1966: 9

2 August 1966

Botswana: Chobe NP, Kasane: Child, Graham: USNM: 1 [1 - **1** - **1**].
Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Côte d'Ivoire: Saibly: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1**] - Toyébli: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **2**].
Liberia: Mount Nimba: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Uganda: Nyabirongo: Waddell, Keith M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1966: 7

3 August 1966

Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2**] - Toyébli: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2** - **4**].
Kenya: Barberton Cave: Williams, John George: ROM: 3 [3 - **3** - **3**].

Total Specimens for 3 August 1966: 9

4 August 1966

Uganda: Nyabirongo: Waddell, Keith M.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 4 August 1966: 2

5 August 1966

South Africa: Wynberg cave: University of Cape Town, The: SAMC: 1 [1 - **1** - **1**].
Uganda: Bunyoro: Jolly, Clifford J.: ROM: 1 [1 - **1**] - Kampala: Kabuye, S.: ROM: 12 [12 - **12** - **13**].

Total Specimens for 5 August 1966: 14

6 August 1966

Uganda: Nyabirongo: Waddell, Keith M.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1966: 2

7 August 1966

Uganda: Budongo Forest: Jolly, Clifford J.: ROM: 2 [2 - **2**] - Bunyoro: Jolly, Clifford J.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 7 August 1966: 3

8 August 1966

Kenya: Kanyangareng: Williams, John George: ROM: 5 [5 - **5** - **5**].

Total Specimens for 8 August 1966: 5

9 August 1966

Kenya: Kanyangareng: Williams, John George: ROM: 2 [2 - **2** - **2**].
Uganda: Arua: Maclure, J.P.: ROM: 1 [1 - **1**] - Goli: Maclure, J.P.: ROM: 4 [4 - **4**] - Nyabirongo: Waddell, Keith M.: ROM: 1 [1 - **1** - **6**].

Total Specimens for 9 August 1966: 8

10 August 1966

Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Kenya: Kanyangareng: Williams, John George: ROM: 8 [8 - **8** - **8**].

Total Specimens for 10 August 1966: 9

11 August 1966

Kenya: Diani: Williams, John George: ROM: 1 [1 - **1**] - Kanyangareng: Williams, John George: ROM: 5 [5 - **5** - **6**].
Uganda: Arua: Maclure, J.P.: ROM: 2 [2 - **2**] - near Arua: Maclure, J.P.: ROM: 1 [1 - **1**] - Nyabirongo: Waddell, Keith M.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 11 August 1966: 10

12 August 1966

Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].
Uganda: near Arua: Maclure, J.P.: ROM: 3 [3 - **3**] - Nyabirongo: Waddell, Keith M.: ROM: 2 [2 - **2** - **5**].

Total Specimens for 12 August 1966: 6

13 August 1966

Kenya: Central island: Forbes-Watson, A.D.: NMK: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].
Uganda: Arua: Maclure, J.P.: ROM: 1 [1 - **1**] - Nyabirongo: Waddell, Keith M.: ROM: 3 [3 - **3** - **4**].

Total Specimens for 13 August 1966: 6

15 August 1966

Nigeria: Ibadan: Akpan, S.B.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 15 August 1966: 3

16 August 1966

Kenya: Kapenguria: Williams, John George: ROM: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].

Uganda: Arua: Maclure, J.P.: ROM: 2 [2 - **2**] - Buligi: Williams, John George: ROM: 1 [1 - **1** - **3**].

Total Specimens for 16 August 1966: 6

17 August 1966

Kenya: Kapenguria: Williams, John George: ROM: 2 [2 - **2** - **2**].
Uganda: Arua: Maclure, J.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1966: 3

18 August 1966

Kenya: Kapenguria: Williams, John George: ROM: 1 [1 - **1** - **1**].
Uganda: Arua: Maclure, J.P.: ROM: 12 [12 - **12** - **12**].

Total Specimens for 18 August 1966: 13

19 August 1966

Kenya: Bondo: Van Vegten, J.: ZMA: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 19 August 1966: 3

22 August 1966

Kenya: Samokitok: Williams, John George: ROM: 1 [1 - **1**] - Sigor: Williams, John George: ROM: 4 [4 - **4** - **5**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1966: 6

23 August 1966

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Bouna: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 19 [19 - **19** - **19**].
Kenya: Sigor: Williams, John George: ROM: 4 [4 - **4** - **4**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2**] - Kaduna: Watson, N.A.C.: WAM: 1 [1 - **1** - **3**].

Total Specimens for 23 August 1966: 27

24 August 1966

Côte d'Ivoire: Doropo: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Kenya: Sigor: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 24 August 1966: 3

26 August 1966

Côte d'Ivoire: Doropo: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Kenya: Kapenguria: Williams, John George: ROM: 1 [1 - **1**] - Nakuru: Start, J.D.: WAM: 1 [1 - **1** - **2**].

Total Specimens for 26 August 1966: 3

27 August 1966

Côte d'Ivoire: Ouango Fetini: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2** - **2**].
Kenya: Kapenguria: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1966: 3

28 August 1966

South Africa: Louisvale, Orange R. 1 mi N: Silberstein, A.R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1966: 1

30 August 1966

Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1966: 1

31 August 1966

Kenya: Barberton Cave: Williams, John George: ROM: 7 [7 - **7** - **7**].

Total Specimens for 31 August 1966: 7

1 September 1966

Central African Republic: La Maboké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
South Africa: Kuruman, 3 mi [= 4.8 km] E: Hepplewhite, R.D.: USNM: 4 [4]; Silberstein, A.R.: USNM: 8 [8 - **12**] - Kuruman, the Eye: Hepplewhite, R.D.: USNM: 11 [11]; Silberstein, A.R.: USNM: 19 [19 - **30**] - Twin Streams: ?: Collector Unknown: DNSM: 1 [1 - **1** - **43**].
Uganda: Murchison Falls-NP [= Murchison Falls Park]: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1966: 45

2 September 1966

Kenya: Barberton Cave: Williams, John George: ROM: 20 [20 - **20** - **20**].

Total Specimens for 2 September 1966: 20

3 September 1966

Kenya: Barberton Cave: Williams, John George: ROM: 4 [4 - **4** - **4**].

Total Specimens for 3 September 1966: 4

4 September 1966

Botswana: Tamafupi: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 4 September 1966: 2

5 September 1966

Kenya: Tsavo East-NP, Mudanda Rock Crevices: Foster, J.B.: ROM: 1 [1]; Jabbal, I.: ROM: 1 [1]; Kiara, S.K.: ROM: 1 [1]; Modha: ROM: 1 [1 - **4**] - Tsavo East-NP, Rhino Corner: Kiara, S.K.: ROM: 2 [2 - **2** - **6**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 5 September 1966: 7

7 September 1966

Kenya: Voi: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
Uganda: Arua: Maclure, J.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 September 1966: 2

8 September 1966

Egypt: Denderah Temple: Hoogstraal, Harry H.: FMNH: 19 [19 - **19** - **19**].
Kenya: Kanyangareng: Williams, John George: ROM: 1 [1 - **1**] - Kapenguria: Williams, John George: ROM: 1 [1 - **1**] - Voi: Monks, D.; Foster, J.B.: ROM: 2 [2 - **2** - **4**].

Total Specimens for 8 September 1966: 23

9 September 1966

Kenya: Kapenguria: Williams, John George: ROM: 1 [1 - **1**] - Shimoni: Williams, John George: ROM: 1 [1 - **1**] - Voi: Fiqueiredo, B.J.V.: ROM: 1 [1]; Gathura, Peter Baaro: ROM: 1 [1 - **2** - **4**].

Total Specimens for 9 September 1966: 4

10 September 1966

Kenya: Mombasa, 12.8 km S: Foster, J.B.: ROM: 1 [1 - **1**] - Shimoni: Williams, John George: ROM: 1 [1 - **1** - **2**].

Total Specimens for 10 September 1966: 2

12 September 1966

Central African Republic: Bébé cave: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Uganda: Kabei cave: Jolly, Clifford J.: ROM: 14 [14 - **14** - **14**].

Total Specimens for 12 September 1966: 16

13 September 1966

Kenya: Sarmai: ?: Collector Unknown: ROM: 1 [1 - **1**] - Turkwell Gorge: Williams, John George: ROM: 3 [3 - **3** - **4**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].
Uganda: Arua, 32 km N: Maclure, J.P.: ROM: 1 [1 - **1**] - Katalemwa: Jolly, Clifford J.: ROM: 1 [1 - **1**] - Mount Wati: Maclure, J.P.: ROM: 14 [14 - **14** - **16**].

Total Specimens for 13 September 1966: 21

14 September 1966

Kenya: Turkwell river: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 14 September 1966: 3

16 September 1966

Uganda: Bunyoro: Williams, John George: ROM: 4 [4 - **4**] - Katalemwa: Jolly, Clifford J.: ROM: 1 [1 - **1** - **5**].
Zambia: Kalabo: Japp, M.: BMNH: 1 [1 - **1**] - Wenela: Japp, M.: BMNH: 2 [2 - **2** - **3**].

Total Specimens for 16 September 1966: 8

17 September 1966

Kenya: Masol Location: Williams, John George: ROM: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Williams, John George: ROM: 9 [9 - **9**] - Bunyoro: Williams, John George: ROM: 2 [2 - **2** - **11**].

Total Specimens for 17 September 1966: 12

18 September 1966

Uganda: Budongo Forest: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 18 September 1966: 2

20 September 1966

Kenya: Sigor: Williams, John George: ROM: 2 [2 - **2** - **2**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 20 September 1966: 4

21 September 1966

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1966: 1

23 September 1966

Cameroon: Tombel: Jones, Theo Simpson: ROM: 28 [28 - **28** - **28**].
Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Egypt: Abu Rawash: Maser, Christopher: YPM: 1 [1 - **1**] - Gizeh: Maser, Christopher: YPM: 1 [1 - **1** - **2**].
Tunisia: Enfidaville: Harrison, David Lakin: HZM: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1966: 32

24 September 1966

Uganda: Katalemwa: Jolly, Clifford J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1966: 1

26 September 1966

Côte d'Ivoire: Nimba, mount: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kenya: Kapenguria: Williams, John George: ROM: 1 [1 - **1** - **1**].

South Africa: Nelspruit, 4 mi E, 2 mi S: Hepplewhite, R.D.: USNM: 18 [18]; Setzer, Henry W.: USNM: 11 [11 - **29** - **29**].

Total Specimens for 26 September 1966: 31

28 September 1966

Côte d'Ivoire: Nimba, mount: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Liberia: East Grassfield: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 28 September 1966: 3

29 September 1966

Congo: Meya-Nzouari,cave: Adam, Jean-Paul: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1966: 1

1 October 1966

Kenya: Wei Wei River: Start, Anthony N.: BMNH: 25 [25 - **25** - **25**].
South Africa: Hartswater: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1966: 26

2 October 1966

Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 2 October 1966: 2

3 October 1966

Tunisia: Wadi Zriba: Harrison, David Lakin: HZM: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1966: 1

4 October 1966

Namibia: Erongorus Usakos: Coetzee, C.G.: TM: 2 [2 - **2**] - Ombu: Coetzee, C.G.: TM: 1 [1]; Coetzee, C.G.; Seete, J.; Buys, P.; Joint TM-State Museum Expedition: TM: 4 [4 - **5**] - Otjimbingwe: ?: Collector Unknown: TM: 1 [1 - **1** - **8**].

Total Specimens for 4 October 1966: 8

5 October 1966

Namibia: Unknown locality: Coetzee, C.G.: MMK: 1 [1 - **1**] - Erongorus Usakos: Coetzee, C.G.: TM: 13 [13 - **13**] - Ombu: Coetzee, C.G.: TM: 2 [2]; Coetzee, C.G.; Seete, J.; Buys, P.; Joint TM-State Museum Expedition: TM: 5 [5 - **7** - **21**].

Total Specimens for 5 October 1966: 21

6 October 1966

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Tanzania: Mkomazi Game Reserve: George, W.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1966: 2

7 October 1966

Namibia: Otjimbingue: Coetzee, C.G.: TM: 3 [3 - **3**] - Otjimbingwe: ?: Collector Unknown: TM: 6 [6 - **6** - **9**].

Total Specimens for 7 October 1966: 9

9 October 1966

Kenya: Kanyangareng: Williams, John George: ROM: 1 [1 - **1** - **1**].
Namibia: Otjimbingue: Coetzee, C.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1966: 2

10 October 1966

Nigeria: Ibadan University College: Setzer, Henry W.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 10 October 1966: 3

11 October 1966

Namibia: Otjimbingue: Coetzee, C.G.: TM: 2 [2 - **2** - **2**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1]; Geest, Julius C.: USNM: 2 [2 - **3**] - Ibadan University College: Geest, Julius C.: USNM: 1 [1 - **1** - **4**].

Total Specimens for 11 October 1966: 6

12 October 1966

Benin: Whedda: Thys Van den Audenaerde, Dirk: RMCA: 7 [7 - **7** - **7**].
Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1966: 8

13 October 1966

Nigeria: Ibadan: Setzer, Henry W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 13 October 1966: 2

14 October 1966

Nigeria: Ibadan: Setzer, Henry W.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 14 October 1966: 4

15 October 1966

Nigeria: Ibadan: Setzer, Henry W.: USNM: 3 [3 - **3** - **3**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 15 October 1966: 5

16 October 1966

Nigeria: Ibadan: Setzer, Henry W.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 16 October 1966: 3

18 October 1966

Congo (Democratic Republic of the): Elisabethville: ?: Collector Unknown: RBINS: 1 [1 - **1**] - Tschuapa: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Total Specimens for 18 October 1966: 2

19 October 1966

Namibia: Farm Arnhem [=Arnem]: Coetzee, C.G.: TM: 1 [1 - **1**] - Swartbooidrift: Buys: TM: 1 [1 - **1** - **2**].

Total Specimens for 19 October 1966: 2

20 October 1966

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1966: 1

21 October 1966

Egypt: Mandisha: Hoogstraal, Harry H.: FMNH: 31 [31 - **31** - **31**].
Kenya: Cherangani Hills: Start, J.D.: WAM: 1 [1 - **1**] - Wei Wei River: Start, Anthony N.: BMNH: 1 [1 - **1** - **2**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 3 [3 - **3**] - Igbo-ora: Geest, Julius C.: USNM: 3 [3]; Setzer, Henry W.: USNM: 5 [5 - **8** - **11**].

Total Specimens for 21 October 1966: 44

22 October 1966

Nigeria: Igbo-ora: Setzer, Henry W.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 22 October 1966: 4

23 October 1966

Namibia: Epupa Falls: ?: Collector Unknown: TM: 2 [2]; Buys; Coetzee, C.G.: TM: 1 [1 - **3** - **3**].
Nigeria: Igbo-ora: Setzer, Henry W.: USNM: 12 [12 - **12** - **12**].

Total Specimens for 23 October 1966: 15

24 October 1966

Liberia: Grassfield savanna: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Nigeria: Igbo-ora: Setzer, Henry W.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 24 October 1966: 7

25 October 1966

Congo (Democratic Republic of the): Kilemue: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].
Nigeria: Idere: Geest, Julius C.: USNM: 10 [10]; Setzer, Henry W.: USNM: 26 [26 - **36**] - Igbo-ora: Setzer, Henry W.: USNM: 5 [5 - **5** - **41**].
Rwanda: Astrida: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1966: 44

26 October 1966

Nigeria: Idere: Setzer, Henry W.: USNM: 8 [8 - **8**] - Igbo-ora: Geest, Julius C.: USNM: 4 [4 - **4** - **12**].
Zimbabwe: Kambuzuma Township: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1966: 13

27 October 1966

Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1966: 1

29 October 1966

Botswana: Drotsky's [= Drodsky] Caves: Marshall Expedition, The: TM: 1 [1 - **1** - **1**].
Namibia: Farm Arnhem [=Arnem]: Coetzee, C.G.: TM: 23 [23 - **23** - **23**].
South Africa: John Nash Nature Reserve: Coetzee, C.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1966: 25

1 November 1966

Cameroon: Bota: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - Mabetta [= Maneta]: Jones, Theo Simpson: ROM: 2 [2 - **2**] - Muyuka [= Muea]: Jones, Theo Simpson: ROM: 2 [2 - **2** - **5**].
Uganda: Masindi, near: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1966: 6

3 November 1966

Congo (Democratic Republic of the): Sud Kivu province: Elbl, A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1966: 1

4 November 1966

Congo (Democratic Republic of the): Lushala: Elbl, A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1966: 1

6 November 1966

Nigeria: Ibadan University College: Geest, Julius C.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 6 November 1966: 6

7 November 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].
Nigeria: Ibadan University College: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 7 November 1966: 4

9 November 1966

Nigeria: Ilashe, 4 mi S: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 9 November 1966: 2

10 November 1966

Botswana: Chobe NP, Kasane: Botswana Mammal Survey: USNM: 1 [1]; Child, Graham: USNM: 7 [7]; Hughes, D.L.: USNM: 2 [2 - **10** - **10**].
Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2**] - Tombel: Jones, Theo Simpson: ROM: 1 [1 - **1** - **3**].

Total Specimens for 10 November 1966: 13

11 November 1966

Rwanda: Astrida: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 11 November 1966: 2

15 November 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1966: 1

16 November 1966

South Africa: Barberton, 2 mi [= 3.2 km] SW: Rautenbach, Ignatius Lourens [=Naas]: USNM: 23 [23]; Silberstein, A.R.: USNM: 20 [20 - **43** - **43**].

Total Specimens for 16 November 1966: 43

17 November 1966

Kenya: Shimba Hills: Foster, J.B.: ROM: 1 [1]; Sillu, David M.: ROM: 1 [1 - **2** - **2**].

Total Specimens for 17 November 1966: 2

18 November 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
Kenya: Shimba Hills: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].
Mauritania: Akjoujt: Harvey, D.E.: USNM: 15 [15 - **15**] - Magrein Copper Mine: Harvey, D.E.: USNM: 41 [41 - **41** - **56**].
Uganda: Jubiya Forest: Mutere, Festo Abby: SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1966: 61

19 November 1966

Kenya: Shimba Hills: Sillu, David M.: RMCA: 1, ROM: 1 [2 - **2** - **2**].

Total Specimens for 19 November 1966: 2

20 November 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].
Kenya: Shimba Hills: Sillu, David M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1966: 3

21 November 1966

Kenya: Shimba Hills: Sillu, David M.: ROM: 2 [2 - **2** - **2**].
Mauritania: Akjoujt: Harvey, D.E.: USNM: 3 [3 - **3**] - Magrein Copper Mine: Harvey, D.E.: USNM: 17 [17 - **17** - **20**].

Total Specimens for 21 November 1966: 22

22 November 1966

Congo: Meya-Nzouari,cave: Adam, Jean-Paul: MNHN: 2 [2 - **2** - **2**].
Kenya: Shimba Hills: Sillu, David M.: ROM: 2 [2 - **2** - **2**].
Mauritania: Akjoujt: Harvey, D.E.: USNM: 2 [2 - **2**] - Magrein Copper Mine: Harvey, D.E.: USNM: 2 [2 - **2** - **4**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1966: 9

23 November 1966

Kenya: Shimba Hills: Sillu, David M.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 23 November 1966: 2

24 November 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Kenya: Shimba Hills: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].
Rwanda: Gafumba: Anciaux de Faveaux, Félix / Michel: RBINS: 5 [5 - **5** - **5**].

Total Specimens for 24 November 1966: 7

25 November 1966

Kenya: Shimba Hills: Sillu, David M.: RMCA: 2, ROM: 1 [3 - **3**] - Shimba Hills Nature Reserve: Sillu, David M.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 25 November 1966: 4

26 November 1966

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1966: 2

27 November 1966

South Africa: Malelane, 7 mi [= 11 km] SW: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1966: 1

29 November 1966

Nigeria: Kware: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1966: 1

30 November 1966

Cameroon: Buéa: Eisentraut, Martin: BMNH: 1 [1 - **1**] - Camp II: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **2**].
Egypt: Kharga Oasis, Temple of Hibis: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Kenya: Shimba Hills: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].
Nigeria: Kware: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
South Africa: Malelane, 7 mi [= 11 km] SW: Rautenbach, Ignatius Lourens [=Naas]: USNM: 5 [5]; Silberstein, A.R.: USNM: 6 [6 - **11** - **11**].

Total Specimens for 30 November 1966: 16

1 December 1966

Cameroon: Kumba: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 2 [2 - **2** - **2**].
Nigeria: Tangaza: Geest, Julius C.: USNM: 16 [16 - **16** - **16**].
Rwanda: Kimuna: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

South Africa: Hatfield, Hatfield Primary School: Wolff, U.; *et al.*: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1966: 21

2 December 1966

Botswana: Chobe NP, Kasane: Child, Graham: USNM: 8 [8 - **8** - **8**].
Nigeria: Dada: Geest, Julius C.: USNM: 1 [1 - **1**] - Tangaza: Geest, Julius C.: USNM: 5 [5 - **5** - **6**].
South Africa: Malelane, 7 mi [= 11 km] SW: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1966: 15

3 December 1966

Egypt: Dush Temple: Hoogstraal, Harry H.: FMNH: 14 [14 - **14** - **14**].
Kenya: Shimba Hills: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].
Uganda: Kibale Forest: : LACM: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1966: 16

4 December 1966

Botswana: Chobe NP, Kasane: Child, Graham: USNM: 7 [7 - **7**] - Serowe, 40 mi NW: Smithers, Reay Henry Noble: HZM: 2 [2 - **2** - **9**].
Nigeria: Gambari Forest Reserve: Happold, David C.D.: ZMA: 1 [1 - **1** - **1**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 4 December 1966: 12

5 December 1966

Botswana: Chobe NP, Kasane: Child, Graham: USNM: 6 [6]; Hughes, D.L.: USNM: 1 [1 - **7** - **7**].

Total Specimens for 5 December 1966: 7

6 December 1966

Kenya: Shimba Hills: Foster, J.B.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 6 December 1966: 2

7 December 1966

Angola: Robert Williams, 6 mi S: Ross, Edward S.; Lorenzen, Kenneth: CAS: 1 [1 - **1** - **1**].
Kenya: Shimba Hills: Sillu, David M.: RMCA: 1, ROM: 1 [2 - **2** - **2**].
Rwanda: Nyumba cave: ?: Collector Unknown: RBINS: 2 [2]; Anciaux de Faveaux, Félix / Michel: RBINS: 4 [4 - **6** - **6**].

Total Specimens for 7 December 1966: 9

9 December 1966

Kenya: Shimba Hills: Sillu, David M.: RMCA: 1, ROM: 1 [2 - **2** - **2**].

Total Specimens for 9 December 1966: 2

10 December 1966

"Africa": Malingwe Pan: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].
Kenya: Shimba Hills: Sillu, David M.: ROM: 1 [1 - **1** - **1**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1966: 3

11 December 1966

Kenya: Shimba Hills: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].
South Africa: Witrivier, 11 mi W: Rautenbach, Ignatius Lourens [=Naas]: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1966: 2

12 December 1966

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].
Kenya: Shimba Hills: Sillu, David M.: ROM: 2 [2 - **2** - **2**].

Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1966: 4

13 December 1966

Côte d'Ivoire: Nimba, mount: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Liberia: Grassfield forest: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
South Africa: Witrivier, 11 mi W: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1]; Silberstein, A.R.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 13 December 1966: 4

14 December 1966

Côte d'Ivoire: Nimba, mount: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].
Nigeria: Upper Ogun Ranch: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].
Zambia: Wenela: Japp, M.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1966: 5

15 December 1966

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1966: 1

16 December 1966

Egypt: Abu Rawash: Madkour, Gamal: CM: 1 [1 - **1** - **1**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 2 [2 - **2** - **2**].
Kenya: Shimba Hills: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1966: 4

17 December 1966

Kenya: Shimba Hills: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].
Rwanda: Nyumba cave: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].
South Africa: Mariepskop: Rautenbach, Ignatius Lourens [=Naas]: USNM: 2 [2]; Silberstein, A.R.: USNM: 1 [1 - **3** - **3**].

Total Specimens for 17 December 1966: 5

18 December 1966

South Africa: Mariepskop: Rautenbach, Ignatius Lourens [=Naas]: USNM: 12 [12]; Silberstein, A.R.: USNM: 11 [11 - **23** - **23**].

Total Specimens for 18 December 1966: 23

19 December 1966

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].
Kenya: Shimba Hills: Sillu, David M.: RMCA: 2 [2 - **2** - **2**].
Rwanda: Mugogwe: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].
Zambia: Lusaka: Farrell, T.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1966: 5

20 December 1966

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1966: 1

21 December 1966

Congo (Democratic Republic of the): Kaniki Kapangu: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2** - **2**].
Zambia: Mfuwe: Dowsett, Robert Jack: MSU: 30 [30 - **30** - **30**].

Total Specimens for 21 December 1966: 33

22 December 1966

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 2 [2]; Bellier, Louis: ZMA: 1 [1]; ORSTOM: RMCA: 2, ZMA: 1 [3 - **6** - **6**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1966: 7

23 December 1966

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1966: 1

24 December 1966

Congo (Democratic Republic of the): Kaniki Kapangu: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 2 [2 - **2** - **2**].
Zambia: Lusaka: Farrell, T.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1966: 4

25 December 1966

Rwanda: Astrida: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 25 December 1966: 1

26 December 1966

Congo (Democratic Republic of the): Lovanium university: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **1**].
Zambia: Mazabuka: McLeod, J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1966: 2

27 December 1966

Cameroon: Limbe: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
Liberia: East Grassfield: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1966: 4

28 December 1966

Congo (Democratic Republic of the): Kibwe Lya Mikako cave: Celis, M.J.; Lejeune, M.: RMCA: 52 [52 - **52** - **52**].
Zambia: Mfuwe Game Camp: Dowsett, Robert Jack: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1966: 53

30 December 1966

Nigeria: Shagunu Borgu: Menzies, James Ian: FMNH: 12 [12 - **12** - **12**].

Total Specimens for 30 December 1966: 12

31 December 1966

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 31 December 1966: 2

1 January 1967

Cameroon: Mabetta [= Maneta]: Jones, Theo Simpson: ROM: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 83 [83 - **83** - **83**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].
Kenya: Mount Suswa: Hamilton, William J.: MVZ: 1 [1 - **1**] - Wei Wei River: Start, Anthony N.: BMNH: 2 [2 - **2** - **3**].
South Africa: Republic of South Africa: Stockholm museum, The: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1967: 91

2 January 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 2 [2 - **2** - **2**].
Zambia: Lusaka: Farrell, T.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1967: 3

3 January 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].
Nigeria: Kudu: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1967: 2

4 January 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1967: 1

5 January 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 5 January 1967: 2

6 January 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1967: 1

7 January 1967

Ghana: Legon: Geest, Julius C.: USNM: 1 [1 - **1**] - Prestea, 32 mi [=51.5 km] W: Geest, Julius C.: USNM: 1 [1 - **1** - **2**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].
Kenya: Tiwi: Jones, Theo Simpson; Williams, John George: ROM: 1 [1 - **1** - **1**].
South Africa: Durban: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Tshipise, 1 mi NE: Silberstein, A.R.: USNM: 2 [2 - **2** - **4**].

Total Specimens for 7 January 1967: 8

8 January 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 4 [4 - **4** - **4**].
Nigeria: Tsanchaga: Geest, Julius C.: USNM: 11 [11 - **11** - **11**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 8 January 1967: 17

9 January 1967

Congo: Kouilou: Adam, Jean-Paul: MNHN: 1 [1 - **1** - **1**].
Nigeria: Tsanchaga: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].
South Africa: Tshipise, 1 mi NE: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1]; Silberstein, A.R.: USNM: 1 [1 - **2** - **2**].
Zambia: Chipongwe Cave: Sheppe, Walter A.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1967: 6

10 January 1967

Nigeria: Tsanchaga: Geest, Julius C.: USNM: 74 [74 - **74** - **74**].
South Africa: Tshipise, 1 mi NE: Rautenbach, Ignatius Lourens [=Naas]: USNM: 2 [2 - **2** - **2**].

Total Specimens for 10 January 1967: 76

11 January 1967

Nigeria: Tsanchaga: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1967: 1

12 January 1967

South Africa: Tshipise, 1 mi NE: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1]; Silberstein, A.R.: USNM: 2 [2 - **3** - **3**].

Zambia: Chiniyka bay: Matthes: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1967: 4

14 January 1967

Nigeria: Karaduwa: Geest, Julius C.: USNM: 5 [5 - **5** - **5**].
South Africa: Farm Makapansgat: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1967: 6

15 January 1967

Nigeria: Karaduwa: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
South Africa: Tshipise: Rautenbach, Ignatius Lourens [=Naas]: USNM: 4 [4]; Silberstein, A.R.: USNM: 9 [9 - **13**] - Tshipise, 1 mi NE: Rautenbach, Ignatius Lourens [=Naas]: USNM: 9 [9]; Silberstein, A.R.: USNM: 3 [3 - **12** - **25**].

Total Specimens for 15 January 1967: 26

16 January 1967

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].
Nigeria: Karaduwa: Geest, Julius C.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 16 January 1967: 5

17 January 1967

Nigeria: Karaduwa: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 17 January 1967: 2

18 January 1967

Nigeria: Karaduwa: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1967: 1

20 January 1967

Botswana: Unknown locality: ?: Collector Unknown: ISU: 1 [1 - **1** - **1**].
Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1967: 3

21 January 1967

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1967: 1

22 January 1967

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 3 [3 - **3** - **3**].
Kenya: Shimba Hills: Sillu, David M.: ROM: 1 [1 - **1** - **1**].
Nigeria: Panisau: Geest, Julius C.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 22 January 1967: 10

23 January 1967

Botswana: Mamuno [= Mamono], 150 mi S: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].
Egypt: Abu Rawash: Madkour, Gamal: CM: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].
Rwanda: Rubona: Anciaux de Faveaux, Félix / Michel: RBINS: 3 [3 - **3** - **3**].
South Africa: Kalahari Gemsbok NP: de Graaff, Gerrit; Els, D.A.: ROM: 1 [1]; Mumford, Russell E.: ROM: 2 [2 - **3** - **3**].

Total Specimens for 23 January 1967: 10

24 January 1967

Botswana: Mamuno [= Mamono], 150 mi S: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].
Ghana: University of Ghana: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
Nigeria: Panisau: Geest, Julius C.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 24 January 1967: 9

25 January 1967

Nigeria: Ibadan: Akpan, S.B.: USNM: 11 [11 - **11** - **11**].
South Africa: American cave: Coetzee, C.G.: TM: 4 [4 - **4** - **4**].

Total Specimens for 25 January 1967: 15

26 January 1967

Nigeria: Panisau: Geest, Julius C.: USNM: 3 [3 - **3** - **3**].
Uganda: Paraa: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1967: 4

27 January 1967

Nigeria: Panisau: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
Uganda: Fort Portal: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1967: 2

28 January 1967

Kenya: Nairobi area: Sillu, David M.: ROM: 1 [1 - **1** - **1**].
South Africa: Houtbosdorp, 2 mi E: Rautenbach, Ignatius Lourens [=Naas]: USNM: 7 [7]; Silberstein, A.R.: USNM: 6 [6 - **13** - **13**].

Total Specimens for 28 January 1967: 14

29 January 1967

Botswana: Tsane, 25 mi ENE: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 29 January 1967: 2

30 January 1967

Cameroon: Camp IV: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].
Liberia: East Grassfield: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].

Total Specimens for 30 January 1967: 8

31 January 1967

Cameroon: Camp IV: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].
Uganda: Lake Edward: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1967: 2

1 February 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].
Kenya: Nairobi area: Sillu, David M.: ROM: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 1 February 1967: 5

2 February 1967

Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 2 February 1967: 2

4 February 1967

Congo (Democratic Republic of the): Mwenge: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Nigeria: Panisau: Geest, Julius C.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 4 February 1967: 11

5 February 1967

Congo (Democratic Republic of the): Mwenge: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Mara River: Williams, John George: ROM: 3 [3 - **3** - **3**].
Nigeria: Panisau: Geest, Julius C.: USNM: 6 [6 - **6** - **6**].
Uganda: Bunyoro: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1967: 11

6 February 1967

Kenya: Governor's Camp: : SMF: 3 [3 - **3**] - Mara River: ?: Collector Unknown: SMF: 1 [1 - **1**] - Mard River: Williams, John George: ROM: 1 [1 - **1** - **5**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1967: 6

8 February 1967

Congo (Democratic Republic of the): Mwenge: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Guinea: Kankasili: Van Orshoven, Jo: ZMA: 3 [3 - **3** - **3**].
Liberia: East Grassfield: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].
South Africa: Tzaneen, 6 mi [= 9.7 km] NE: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1967: 9

9 February 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 5 [5 - **5** - **5**].

Total Specimens for 9 February 1967: 5

10 February 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 10 February 1967: 3

11 February 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 11 February 1967: 2

12 February 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 2 [2 - **2** - **2**].
Kenya: Muumandu: Sillu, David M.: ROM: 9 [9 - **9** - **9**].

Total Specimens for 12 February 1967: 11

14 February 1967

Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 14 February 1967: 2

15 February 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 15 February 1967: 3

17 February 1967

Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1967: 1

18 February 1967

Cameroon: Camp V: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].
Kenya: Bikobo, lava cave: Van Vegten, J.: ZMA: 2 [2 - **2** - **2**].
Sudan: Telaweit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1967: 4

19 February 1967

Rwanda: Kigali: ?: Collector Unknown: RBINS: 23 [23 - **23** - **23**].

Total Specimens for 19 February 1967: 23

20 February 1967

Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1967: 1

21 February 1967

Cameroon: Dikume: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].
Sudan: Telaweit: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1967: 5

22 February 1967

"Africa": Unknown locality: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].
Uganda: Kampala: Longhurst, William M.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1967: 4

23 February 1967

Cameroon: Camp V: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].
Sudan: Telaweit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1967: 2

24 February 1967

Sudan: Telaweit: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 24 February 1967: 2

25 February 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 18 [18 - **18** - **18**].
Nigeria: Ibadan: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 25 February 1967: 20

27 February 1967

Cameroon: Idenao: Jones, Theo Simpson: ROM: 22 [22 - **22** - **22**].
Sudan: Telaweit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 February 1967: 23

28 February 1967

Sudan: Telaweit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1967: 1

1 March 1967

Congo (Democratic Republic of the): Elisabethville: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 9 [9 - **9** - **9**].

Total Specimens for 1 March 1967: 10

4 March 1967

Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Kenya: Kakamega forest: Glen, Robert M.: ROM: 1 [1 - **1** - **1**].
Nigeria: Kudu: Geest, Julius C.: USNM: 4 [4 - **4** - **4**].
South Africa: John Nash Nature Reserve: Meester, Jurgens Anthonie Janse [=Waldo]; *et al.*: ROM: 1 [1]; Meester, Jurgens Anthonie Janse [=Waldo]; Rautenbach, Ignatius Lourens [=Naas]; Mumford, Russell E.: ROM: 1 [1]; Mumford, Russell E.: ROM: 1 [1]; Mumford, Russell E.; *et al.*: ROM: 2 [2 - **5** - **5**].

Total Specimens for 4 March 1967: 11

5 March 1967

Nigeria: Kudu: Geest, Julius C.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 5 March 1967: 3

7 March 1967

Nigeria: Kudu: Geest, Julius C.: USNM: 7 [7 - **7** - **7**].

Total Specimens for 7 March 1967: 7

8 March 1967

Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Nigeria: Kudu: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].
Zambia: Mfuwe: Dowsett, Robert Jack: MSU: 2 [2 - **2** - **2**].

Total Specimens for 8 March 1967: 5

11 March 1967

Uganda: Ruhizha area: Archer, A.L.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1967: 1

12 March 1967

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1967: 1

13 March 1967

Zambia: Mfuwe: Dowsett, Robert Jack: MSU: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1967: 1

14 March 1967

Nigeria: Gudi, 3 mi E: Geest, Julius C.: USNM: 5 [5 - **5** - **5**].
Zambia: Mfuwe: Dowsett, Robert Jack: MSU: 4 [4 - **4**] - Ngwerere Siding: ?: Collector Unknown: UZMZ: 6 [6 - **6** - **10**].

Total Specimens for 14 March 1967: 15

15 March 1967

Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
South Africa: Brooklyn: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1967: 2

16 March 1967

South Africa: Pietersburg, farm near: Coetzee, N.: ROM: 1 [1 - **1**] - Warmbad, 2 mi E: ?: Collector Unknown: ROM: 1 [1 - **1** - **2**].

Total Specimens for 16 March 1967: 2

17 March 1967

Kenya: Karura Forest: Foster, J.B.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1967: 1

18 March 1967

Botswana: Unknown locality: ?: Collector Unknown: ISU: 1 [1 - **1** - **1**].
Nigeria: Gudi, 3 mi E: Geest, Julius C.: USNM: 2 [2 - **2**] - Panyam [Fish Farm]: Geest, Julius C.: USNM: 1 [1 - **1** - **3**].

Total Specimens for 18 March 1967: 4

19 March 1967

South Africa: Warmbad: Mumford, Russell E.: ROM: 1 [1 - **1**] - Warmbad, 2 mi E: ?: Collector Unknown: ROM: 1 [1 - **1** - **2**].
Uganda: Ruhizha area: Williams, A.: LACM: 3 [3 - **3** - **3**].

Total Specimens for 19 March 1967: 5

20 March 1967

Kenya: Karura Forest: Foster, J.B.: ROM: 2 [2 - **2** - **2**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].
Uganda: Bwindi Swamp: Glen, Robert M.: LACM: 8 [8 - **8** - **8**].

Total Specimens for 20 March 1967: 12

21 March 1967

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Madagascar: Analamazaotra forest, Périnet: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 March 1967: 2

25 March 1967

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 March 1967: 2

26 March 1967

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1967: 1

27 March 1967

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Uganda: Itama area: Williams, A.: LACM: 1 [1 - **1**] - Luhiza Mine: Glen, Robert M.; Williams, A.: LACM: 3 [3 - **3** - **4**].

Total Specimens for 27 March 1967: 5

28 March 1967

Kenya: Kilanguni Lodge: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1967: 1

29 March 1967

Uganda: Unknown locality: Hawkins, James D.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1967: 1

30 March 1967

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Zambia: Mfuwe: Dowsett, Robert Jack: MSU: 7 [7 - **7** - **7**].

Total Specimens for 30 March 1967: 8

31 March 1967

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Uganda: Itama Mine: Archer, A.L.: LACM: 7 [7 - **7** - **7**].

Total Specimens for 31 March 1967: 8

1 April 1967

Congo (Democratic Republic of the): Lwiro: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1967: 1

4 April 1967

Congo (Democratic Republic of the): Lwiro: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1967: 2

6 April 1967

Congo (Democratic Republic of the): Lwiro: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 6 April 1967: 2

9 April 1967

Kenya: Lake Naivasha: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 9 April 1967: 3

10 April 1967

Kenya: Mzima Springs: Coe, Malcolm J.: ROM: 1 [1 - **1** - **1**].
Madagascar: Antanarivo [= Tananarive]: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1** - **1**].
Nigeria: Panyam [Fish Farm]: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].
South Africa: University of Pretoria, Zoology Building: Workman: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1967: 5

11 April 1967

Ghana: Nkawkaw: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].
Kenya: Kedong Valley: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 15 [15 - **15**] - Lake Naivasha: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 2 [2 - **2**] - Mount Suswa: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 11 [11 - **11** - **28**].
Nigeria: Panyam [Fish Farm]: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].
South Africa: Newington, 11 km N: Herbert, H.J.: TM: 1 [1 - **1**] - Newington, 7 mi N: ?: Collector Unknown: TM: 6 [6]; HJH: TM: 1 [1 - **7**] - Old Figtree forest: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **9**].
Zambia: Luangwa valley, Chisenga: Dowsett, Robert Jack: BMNH: 1 [1 - **1**] - Luangwa Valley, Chisombo: Dowsett, Robert Jack: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 11 April 1967: 42

12 April 1967

Kenya: Kinu: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].
Mauritania: Rosso: Harvey, D.E.: USNM: 1 [1 - **1**] - Tiguent: Harvey, D.E.: USNM: 2 [2 - **2** - **3**].
South Africa: St. Lucia: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1967: 5

13 April 1967

Equatorial Guinea: Mount Borg: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Mauritania: Tiguent: Robbins, C. Brian: USNM: 2 [2 - **2** - **2**].
Nigeria: Panyam [Fish Farm]: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
South Africa: John Nash Nature Reserve: Mumford, Russell E.: ROM: 14 [14 - **14** - **14**].

Total Specimens for 13 April 1967: 18

14 April 1967

Kenya: Mount Elgon, E face: Barton, Miles: ROM: 1 [1 - **1** - **1**].
Nigeria: Panyam [Fish Farm]: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1967: 2

15 April 1967

Nigeria: Panyam [Fish Farm]: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
South Africa: Warmbad, 2 mi E: ?: Collector Unknown: ROM: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2** - **2**].

Total Specimens for 15 April 1967: 3

16 April 1967

Kenya: Mount Elgon, E face: Barton, Miles: ROM: 7 [7 - **7** - **7**].
Mauritania: Garak: Robbins, C. Brian: USNM: 177 [177 - **177** - **177**].
Nigeria: Panyam [Fish Farm]: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
South Africa: Warmbad, 2 mi E: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1967: 186

17 April 1967

Botswana: Sepopa: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 17 April 1967: 2

18 April 1967

Botswana: Sepopa: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].
Kenya: Mount Elgon, E face: Barton, Miles: ROM: 8 [8 - **8** - **8**].
Mauritania: Garak: Harvey, D.E.: USNM: 1 [1 - **1** - **1**].
South Africa: Warmbad, 2 mi E: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1967: 11

19 April 1967

Botswana: Sepopa: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Kenya: Mount Elgon, E face: Barton, Miles: ROM: 2 [2 - **2** - **2**].
Madagascar: Antanarivo [= Tananarive]: Peterson, Randolph L.; *et al.*: ROM: 1 [1]; Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 7 [7 - **8** - **8**].

Total Specimens for 19 April 1967: 11

20 April 1967

Botswana: Sepopa: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Kenya: Mount Elgon, E face: Barton, Miles: ROM: 1 [1 - **1** - **1**].
Madagascar: Ambohijoky: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 11 [11 - **11**] - Antanarivo [= Tananarive]: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 25 [25 - **25**] - Palace Rock: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1** - **37**].

Total Specimens for 20 April 1967: 39

21 April 1967

Madagascar: Southern Tanatarive: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1967: 1

22 April 1967

Botswana: Sepopa: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Madagascar: Antanarivo [= Tananarive]: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 15 [15 - **15** - **15**].

Total Specimens for 22 April 1967: 16

23 April 1967

Madagascar: Analamazaotra forest, Périnet: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1**] - Périnet, 8 km S: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 33 [33 - **33** - **34**].

Total Specimens for 23 April 1967: 34

24 April 1967

Madagascar: Analamazaotra forest, Périnet: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 3 [3 - **3**] - Périnet, 5 km S: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 12 [12 - **12** - **15**].

Total Specimens for 24 April 1967: 15

25 April 1967

Kenya: Keyanguli: Kayango, R.: ROM: 1 [1 - **1**] - Mount Elgon, E face: Barton, Miles: ROM: 1 [1 - **1** - **2**].
Madagascar: Ambodiriana: Peterson, Randolph L.; *et al.*: ROM: 19 [19]; Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 19 [19 - **38**] - Analamazaotra forest, Périnet: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 13 [13 - **13**] - Perinet Railway Station [=Périnet]: ?: Collector Unknown: BRTC: 1 [1 - **1** - **52**].

Total Specimens for 25 April 1967: 54

26 April 1967

Botswana: Tsodilo Hills: Goussard, S.W.: USNM: 4 [4]; Liversedge, T.N.: USNM: 4 [4 - **8** - **8**].
Madagascar: Analamazaotra forest, Périnet: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 19 [19 - **19**] - Junck: ?: Collector Unknown: BRTC: 1 [1 - **1**] - Junok: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 290 [290 - **290** - **310**].

Total Specimens for 26 April 1967: 318

27 April 1967

Botswana: Tsodilo Hills: Goussard, S.W.: USNM: 1 [1]; Liversedge, T.N.: USNM: 1 [1 - **2** - **2**].
Madagascar: Ambila-Lemaitso: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 3 [3 - **3**] - Analamazaotra forest, Périnet: Gould, E.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 27 April 1967: 6

28 April 1967

Congo (Democratic Republic of the): Lwiro: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Madagascar: Ambila-Lemaitso: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 8 [8 - **8** - **8**].
Mauritania: Rosso: Harvey, D.E.: USNM: 53 [53]; Robbins, C. Brian: USNM: 50 [50 - **103** - **103**].

Total Specimens for 28 April 1967: 112

29 April 1967

Botswana: Tsodilo Hills: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 29 April 1967: 2

30 April 1967

Botswana: Tsodilo Hills: Liversedge, T.N.: USNM: 4 [4 - **4** - **4**].
South Africa: Lywood: Markus, M.B.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 30 April 1967: 6

1 May 1967

Botswana: Tsodilo Hills: Goussard, S.W.: USNM: 3 [3]; Liversedge, T.N.: USNM: 3 [3 - **6** - **6**].
Madagascar: Carion: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 12 [12 - **12** - **12**].
Mauritania: Garak: Harvey, D.E.: USNM: 3 [3]; Robbins, C. Brian: USNM: 2 [2 - **5** - **5**].
South Africa: Newington, 7 mi N: Herbert, H.J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1967: 24

2 May 1967

Mauritania: Garak: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1967: 1

3 May 1967

Madagascar: Fianarantsoa: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 3 May 1967: 2

4 May 1967

Madagascar: Fianarantsoa, 18 km SW: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 4 May 1967: 6

5 May 1967

Botswana: Shakawe: Goussard, S.W.: USNM: 1 [1]; Liversedge, T.N.: USNM: 2 [2 - **3** - **3**].
Kenya: Yatter: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].
Madagascar: Fianarantsoa: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 38 [38 - **38** - **38**].
Nigeria: Afon: Geest, Julius C.: USNM: 115 [115 - **115** - **115**].
South Africa: Warmbad, 2 mi E: ?: Collector Unknown: ROM: 1 [1]; Mendelsohn, J.: ROM: 2 [2 - **3** - **3**].

Total Specimens for 5 May 1967: 160

6 May 1967

Botswana: Shakawe: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].
Madagascar: Fianarantsoa: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 8 [8 - **8** - **8**].
Mauritania: Boghé, 8 km N: Harvey, D.E.: USNM: 1 [1 - **1** - **1**].
Nigeria: Afon: Geest, Julius C.: USNM: 50 [50 - **50** - **50**].

Total Specimens for 6 May 1967: 60

7 May 1967

Botswana: Shakawe: Liversedge, T.N.: USNM: 6 [6 - **6** - **6**].
Madagascar: Sakaraha: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 18 [18 - **18** - **18**].
Nigeria: Afon: Geest, Julius C.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 7 May 1967: 29

8 May 1967

Botswana: Shakawe: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Madagascar: Antsingy Forest: Gould, E.: ROM: 1 [1 - **1**] - Sakaraha: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 4 [4 - **4** - **5**].
Mauritania: Boghé, 8 km N: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1967: 7

9 May 1967

Madagascar: in a marine cave between Sarodrano and Saint-Augustin: ?: Collector Unknown: ROM: 1 [1]; Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 26 [26 - **27**] - Pointe Sarodrano: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 35 [35 - **35** - **62**].
Nigeria: Afon: Geest, Julius C.: USNM: 13 [13 - **13** - **13**].

Total Specimens for 9 May 1967: 75

10 May 1967

Botswana: Shakawe: Goussard, S.W.: USNM: 1 [1]; Liversedge, T.N.: USNM: 2 [2 - **3** - **3**].
Madagascar: Grotte de Sarondrana [= Sarodrano]: Williams: FMNH: 2 [2 - **2**] - Pointe Sarodrano: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 18 [18 - **18**] - Sarodrano: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 19 [19 - **19** - **39**].
Nigeria: Afon: Geest, Julius C.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 10 May 1967: 47

11 May 1967

Madagascar: Grotte de Sarondrana [= Sarodrano]: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1**] - Pointe Sarodrano: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 6 [6 - **6**] - Sarodrano: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 3 [3 - **3**] - Tuléar airport: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 43 [43 - **43** - **53**].
South Africa: John Nash Nature Reserve: Mumford, Russell E.: ROM: 1 [1 - **1**] - Uitkomst, Farm 499: Mumford, Russell E.: ROM: 8 [8]; Williams, John George: ROM: 1 [1 - **9** - **10**].

Total Specimens for 11 May 1967: 63

12 May 1967

Madagascar: Pointe Sarodrano: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1**] - Sarodrano: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 2 [2 - **2** - **3**].
Mauritania: Aleg, 3 km S: Robbins, C. Brian: USNM: 2 [2 - **2** - **2**].

Total Specimens for 12 May 1967: 5

13 May 1967

Kenya: University of Nairobi: Hamilton, William J.: MVZ: 1 [1 - **1** - **1**].
Madagascar: Maninday: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 2 [2 - **2** - **2**].
Nigeria: Felele: Geest, Julius C.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 13 May 1967: 8

14 May 1967

Madagascar: Ihosy, 30 km N: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 14 May 1967: 4

15 May 1967

Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Nigeria: Felele: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 15 May 1967: 3

16 May 1967

Egypt: Burgh-El-Arab: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Madagascar: Caves of Manandona, high on mountain side: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 10 [10 - **10** - **10**].
Mauritania: Aleg, 3 km S: Harvey, D.E.: USNM: 20 [20]; Robbins, C. Brian: USNM: 25 [25 - **45** - **45**].
Nigeria: Felele: Geest, Julius C.: USNM: 20 [20 - **20** - **20**].

Total Specimens for 16 May 1967: 76

17 May 1967

Nigeria: Felele: Geest, Julius C.: USNM: 8 [8 - **8** - **8**].
Zambia: Mfuwe: Dowsett, Robert Jack: MSU: 3 [3 - **3** - **3**].

Total Specimens for 17 May 1967: 11

18 May 1967

Nigeria: Felele: Geest, Julius C.: USNM: 3 [3 - **3**] - Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **4**].
Tanzania: Dindira and Ibaya, halfway between: Chuwa, W.G.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1967: 5

19 May 1967

Kenya: University of Nairobi: Hamilton, William J.: MVZ: 1 [1 - **1** - **1**].
Nigeria: Felele: Geest, Julius C.: USNM: 8 [8 - **8** - **8**].

Total Specimens for 19 May 1967: 9

21 May 1967

Nigeria: Ibadan: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 21 May 1967: 2

22 May 1967

Guinea: Guinee-Maritime: Ferencz, Károly: HNHM: 2 [2 - **2** - **2**].
Kenya: University of Nairobi: Hamilton, William J.: MVZ: 2 [2 - **2** - **2**].
Zambia: Mfuwe: Dowsett, Robert Jack: MSU: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1967: 5

23 May 1967

Botswana: Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].
Kenya: University of Nairobi: Hamilton, William J.: MVZ: 2 [2 - **2** - **2**].

Total Specimens for 23 May 1967: 3

24 May 1967

Botswana: Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S: Goussard, S.W.: USNM: 2 [2 - **2** - **2**].
Nigeria: Ibadan: Geest, Julius C.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 24 May 1967: 5

25 May 1967

Namibia: Uis tin mine: Copley, R.B.: ROM: 6 [6]; Mumford, Russell E.: ROM: 3 [3 - **9** - **9**].
Nigeria: Ibadan: Geest, Julius C.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 25 May 1967: 13

26 May 1967

Nigeria: Ibadan: Geest, Julius C.: USNM: 6 [6 - **6** - **6**].
Zimbabwe: Highlands: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1967: 7

28 May 1967

Botswana: Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S: Goussard, S.W.: USNM: 17 [17]; Liversedge, T.N.: USNM: 8 [8 - **25** - **25**].

Total Specimens for 28 May 1967: 25

29 May 1967

Botswana: Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S: Goussard, S.W.: USNM: 4 [4 - **4** - **4**].
Kenya: University of Nairobi: Hamilton, William J.: MVZ: 2 [2 - **2** - **2**].
Nigeria: Dada: Akpan, S.B.: USNM: 1 [1]; Geest, Julius C.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 29 May 1967: 8

30 May 1967

Cameroon: Basal Mission: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Kenya: University of Nairobi: Hamilton, William J.: MVZ: 4 [4 - **4** - **4**].
Mauritania: Passe de Soufa: Harvey, D.E.: USNM: 2 [2 - **2** - **2**].
Nigeria: Dada: Akpan, S.B.: USNM: 11 [11]; Geest, Julius C.: USNM: 127 [127]; Herbert, H.J.: USNM: 1 [1 - **139** - **139**].
South Africa: Mosdene Nature Reserve: Galpin, R.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1967: 147

31 May 1967

Kenya: University of Nairobi: Hamilton, William J.: MVZ: 3 [3 - **3** - **3**].

Total Specimens for 31 May 1967: 3

1 June 1967

Equatorial Guinea: Evuenam: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Nigeria: Dada: Akpan, S.B.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 1 June 1967: 4

2 June 1967

Réunion: Tévelave, above: Gill, Frank B.: UMMZ: 7 [7 - **7** - **7**].

Total Specimens for 2 June 1967: 7

3 June 1967

Kenya: University of Nairobi: Hamilton, William J.: MVZ: 3 [3 - **3** - **3**].
South Africa: Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: Mumford, Russell E.: FMNH: 1, ROM: 1 [2]; Mumford, Russell E.; Copley, R.B.: ROM: 31 [31]; Western New Mexico University; Mumford, Russell E.: FMNH: 1 [1]; Williams, John George: ROM: 1 [1 - **35**] - Warmbad, 40 mi WNW: Mumford, Russell E.: ROM: 6 [6 - **6** - **41**].

Total Specimens for 3 June 1967: 44

5 June 1967

Kenya: University of Nairobi: Hamilton, William J.: MVZ: 5 [5 - **5** - **5**].
Uganda: Nyabitaba Hut: Glen, Robert M.; Williams, A.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1967: 6

6 June 1967

Kenya: University of Nairobi: Hamilton, William J.: MVZ: 3 [3 - **3** - **3**].

Total Specimens for 6 June 1967: 3

7 June 1967

Botswana: Chobe NP, Kasane: Smithers, Reay Henry Noble: ROM: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Mumba: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: University of Nairobi: Hamilton, William J.: MVZ: 2 [2 - **2** - **2**].

Total Specimens for 7 June 1967: 6

8 June 1967

Botswana: Drotsky's [= Drodsky] Caves: Goussard, S.W.: USNM: 103 [103]; Liversedge, T.N.: USNM: 53 [53 - **156** - **156**].
Kenya: University of Nairobi: Hamilton, William J.: MVZ: 3 [3 - **3** - **3**].

Total Specimens for 8 June 1967: 159

9 June 1967

Botswana: Drotsky's [= Drodsky] Caves: Liversedge, T.N.: USNM: 25 [25 - **25** - **25**].
Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].

Total Specimens for 9 June 1967: 26

10 June 1967

Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Kenya: Nyeri: Jones, John: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1967: 2

11 June 1967

South Africa: Mtubatua, 18 mi [= 29 km] N: Mumford, Russell E.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 11 June 1967: 6

12 June 1967

Nigeria: Shagunu: Geest, Julius C.: USNM: 78 [78 - **78** - **78**].

South Africa: Masinda Camp: Mumford, Russell E.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 12 June 1967: 81

13 June 1967

Kenya: University of Nairobi: Hamilton, William J.: MVZ: 4 [4 - **4** - **4**].
Nigeria: Shagunu: Geest, Julius C.: USNM: 76 [76 - **76** - **76**].
South Africa: Masinda Camp: Mumford, Russell E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 13 June 1967: 82

14 June 1967

Kenya: University of Nairobi: Hamilton, William J.: MVZ: 1 [1 - **1** - **1**].
South Africa: Durban, 48 km NW: Mumford, Russell E.: ROM: 5 [5 - **5**] - Umgeni Fish Hatchery: Mumford, Russell E.: ROM: 29 [29 - **29** - **34**].

Total Specimens for 14 June 1967: 35

16 June 1967

Uganda: Bwamba Forest, Ntandi: Glen, Robert M.; Williams, A.: LACM: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1967: 2

17 June 1967

Botswana: Maun: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 17 June 1967: 2

19 June 1967

South Africa: Acornhoek: Herbert, H.J.: TM: 1 [1 - **1** - **1**].
Sudan: Disa: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].
Uganda: Bwamba Forest, Ntandi: Glen, Robert M.; Williams, A.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1967: 3

20 June 1967

Botswana: Maun: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].
Réunion: Réunion Island: Gill, Frank B.: ROM: 1 [1 - **1** - **1**].
South Africa: Pretoria: Mumford, Russell E.: ROM: 1 [1 - **1**] - Pretoria Boy's School: Mumford, Russell E.: ROM: 6 [6 - **6**] - Umgeni Fish Hatchery: Mumford, Russell E.: ROM: 1 [1 - **1** - **8**].

Total Specimens for 20 June 1967: 11

21 June 1967

Zambia: Mfuwe: Dowsett, Robert Jack: BMNH: 1 [1 - **1**] - Mfuwe Game Camp: Dowsett, Robert Jack: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 21 June 1967: 2

22 June 1967

Botswana: Nokaneng, 15 mi N: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].
Kenya: University of Nairobi: Hamilton, William J.: MVZ: 1 [1 - **1** - **1**].
South Africa: Pretoria: Mendelsohn, J.: ROM: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - Pretoria Boy's School: Mumford, Russell E.: ROM: 4 [4 - **4**] - Pretoria, 30 mi [= 48 km] SW: Mumford, Russell E.: ROM: 7 [7 - **7**] - Uitkomst, Farm 499: Mumford, Russell E.: FMNH: 1, ROM: 4 [5 - **5** - **18**].

Total Specimens for 22 June 1967: 20

24 June 1967

Botswana: Nokaneng, 15 mi N: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].
Senegal: Ranerou: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1967: 2

25 June 1967

Botswana: Nokaneng, 15 mi N: Goussard, S.W.: USNM: 3 [3]; Liversedge, T.N.: USNM: 2 [2 - **5**] - Selinda Spillway: Smithers, Reay Henry Noble: ROM: 1 [1 - **1** - **6**].
Senegal: Ranerou, 13 km NW: Robbins, C. Brian: USNM: 17 [17 - **17** - **17**].

Total Specimens for 25 June 1967: 23

26 June 1967

Botswana: Serula: NMR: USNM: 2 [2 - **2**] - Seruli: ?: Collector Unknown: USNM: 2 [2 - **2** - **4**].
Senegal: Ranerou, 13 km NW: Robbins, C. Brian: USNM: 17 [17 - **17**] - Ranerou, 7 km SE: Robbins, C. Brian: USNM: 2 [2 - **2** - **19**].

Total Specimens for 26 June 1967: 23

27 June 1967

Senegal: Ranerou, 7 km SE: Robbins, C. Brian: USNM: 22 [22 - **22** - **22**].

Total Specimens for 27 June 1967: 22

29 June 1967

Equatorial Guinea: Moka: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Ghana: Leklebi Agbesia: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 June 1967: 2

30 June 1967

Equatorial Guinea: Moka: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Zambia: Mfuwe: Dowsett, Robert Jack: MSU: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1967: 2

1 July 1967

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kapasa: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1967: 2

4 July 1967

South Africa: Newington, 7 mi N: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1967: 1

8 July 1967

Botswana: Drotsky's [= Drodsky] Caves: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1967: 1

10 July 1967

Uganda: Bundimusuba: Archer, A.L.: LACM: 1 [1 - **1**] - Mweya: Williams, John George: ROM: 1 [1 - **1** - **2**].

Total Specimens for 10 July 1967: 2

13 July 1967

Equatorial Guinea: Moka: Jones, Clyde: MSB: 2, USNM: 2 [4 - **4** - **4**].

Total Specimens for 13 July 1967: 4

15 July 1967

Kenya: Molo: Start, Anthony N.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1967: 1

16 July 1967

Congo (Democratic Republic of the): Tandala: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Ghana: Bator: Geest, Julius C.: USNM: 64 [64]; Hayward, Bruce Joliffe: USNM: 60 [60 - **124** - **124**].
South Africa: Sabie River, Lower: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1967: 126

17 July 1967

Uganda: Ntandi: : LACM: 2 [2 - **2** - **2**].

Total Specimens for 17 July 1967: 2

18 July 1967

Ghana: University of Ghana: Hayward, Bruce Joliffe: USNM: 13 [13 - **13** - **13**].
South Africa: Warmbad: Mendelsohn, J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1967: 14

19 July 1967

Ghana: Legon: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - University of Ghana: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **4**].
Kenya: Sokoke Forest: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].
South Africa: Warmbad: Mendelsohn, J.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 19 July 1967: 10

20 July 1967

Ghana: University of Ghana: Geest, Julius C.: USNM: 11 [11]; Hayward, Bruce Joliffe: USNM: 17 [17 - **28** - **28**].
South Africa: Pretoria, 30 mi [= 48 km] SW: Mumford, Russell E.: ROM: 1 [1 - **1**] - Uitkomst, Farm 499: Mumford, Russell E.: ROM: 2 [2 - **2** - **3**].

Total Specimens for 20 July 1967: 31

21 July 1967

Ghana: University of Ghana: Geest, Julius C.: USNM: 11 [11]; Hayward, Bruce Joliffe: USNM: 7 [7 - **18** - **18**].

Total Specimens for 21 July 1967: 18

22 July 1967

Ghana: Legon: Hayward, Bruce Joliffe: USNM: 5 [5 - **5**] - University of Ghana: Geest, Julius C.: USNM: 2 [2]; Hayward, Bruce Joliffe: USNM: 18 [18 - **20** - **25**].
Kenya: Kampi ya Moto: Start, Anthony N.: WAM: 2 [2 - **2** - **2**].

Total Specimens for 22 July 1967: 27

23 July 1967

Ghana: Legon: Hayward, Bruce Joliffe: USNM: 5 [5 - **5**] - University of Ghana: Hayward, Bruce Joliffe: USNM: 12 [12 - **12** - **17**].
South Africa: Warmbad: Mendelsohn, J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1967: 18

24 July 1967

Ghana: Legon: Geest, Julius C.: USNM: 1 [1 - **1**] - University of Ghana: Geest, Julius C.: USNM: 8 [8]; Hayward, Bruce Joliffe: USNM: 6 [6 - **14** - **15**].

Total Specimens for 24 July 1967: 15

25 July 1967

Ghana: Legon: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - University of Ghana: Hayward, Bruce Joliffe: USNM: 11 [11 - **11** - **12**].

Total Specimens for 25 July 1967: 12

26 July 1967

Ghana: Legon: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - University of Ghana: Hayward, Bruce Joliffe: USNM: 12 [12 - **12** - **13**].

Total Specimens for 26 July 1967: 13

27 July 1967

Botswana: Maun: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Ghana: Legon: Geest, Julius C.: USNM: 3 [3]; Hayward, Bruce Joliffe: USNM: 10 [10 - **13**] - University of Ghana: Geest, Julius C.: USNM: 3 [3]; Hayward, Bruce Joliffe: USNM: 1 [1 - **4** - **17**].
Senegal: Ranerou, 7 km SE: Robbins, C. Brian: USNM: 28 [28 - **28** - **28**].
South Africa: Oliphantspoort, Olifantspruit: Oosthuizen, A.: ROM: 1 [1 - **1**] - Uitkomst, Farm 499: Mumford, Russell E.: ROM: 3 [3 - **3** - **4**].
Uganda: Ntandi: Archer, A.L.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1967: 51

28 July 1967

Ghana: Achimota Forest Reserve: Hayward, Bruce Joliffe: USNM: 9 [9 - **9**] - Legon: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **13**].
Kenya: "Olorgesailie": Smith, David C.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1967: 14

29 July 1967

Ghana: Mankesin: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1967: 1

30 July 1967

Ghana: Achimota Forest Reserve: Hayward, Bruce Joliffe: USNM: 7 [7 - **7**] - University of Ghana: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **8**].

Total Specimens for 30 July 1967: 8

31 July 1967

Ghana: Aburi Hills: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].
South Africa: Oliphantspoort, Olifantspruit: Oosthuizen, A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1967: 2

1 August 1967

Cameroon: Batoke: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **3**].
Ghana: Legon: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - University of Ghana: Hayward, Bruce Joliffe: USNM: 10 [10 - **10** - **11**].

Total Specimens for 1 August 1967: 14

2 August 1967

Equatorial Guinea: Moka: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Ghana: Legon: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - University of Ghana: Hayward, Bruce Joliffe: USNM: 21 [21 - **21** - **23**].
Kenya: Kiboko: Start, Anthony N.: SMF: 1 [1 - **1**] - Malindi: Barton, Miles: ROM: 3 [3 - **3** - **4**].

Total Specimens for 2 August 1967: 28

3 August 1967

Kenya: Unknown locality: ?: Collector Unknown: WAM: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1967: 1

4 August 1967

Kenya: Malindi: Barton, Miles: ROM: 1 [1 - **1**] - Malindi, ca 19 km from: Barton, Miles: ROM: 4 [4 - **4** - **5**].

Total Specimens for 4 August 1967: 5

5 August 1967

Ghana: Nkawkaw, 1 mi [=1.6 km] N: Hayward, Bruce Joliffe: USNM: 12 [12 - **12** - **12**].

Total Specimens for 5 August 1967: 12

6 August 1967

Ghana: Nkawkaw, 1 mi [=1.6 km] N: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **4**].
Kenya: Gedi: Start, Anthony N.: WAM: 1 [1 - **1**] - Malindi, ca 19 km from: Barton, Miles: ROM: 8 [8 - **8** - **9**].
South Africa: Pretoria, 6 mi [= 9.6 km] W: Bolt, J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1967: 14

7 August 1967

Ghana: Nkawkaw, 1 mi [=1.6 km] N: Geest, Julius C.: USNM: 12 [12 - **12** - **12**].

Total Specimens for 7 August 1967: 12

9 August 1967

Ghana: Nkawkaw, 1 mi [=1.6 km] N: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **4**].
Kenya: Lake Naivasha: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 64 [64 - **64** - **64**].

Total Specimens for 9 August 1967: 68

10 August 1967

Equatorial Guinea: Aninzok, 4 km W: Jones, Clyde: MSB: 2 [2 - **2** - **2**].
Ghana: Nkawkaw, 1 mi [=1.6 km] N: Hayward, Bruce Joliffe: USNM: 12 [12 - **12** - **12**].

Total Specimens for 10 August 1967: 14

11 August 1967

Ghana: Nkawkaw, 1 mi [=1.6 km] N: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **4**].

Total Specimens for 11 August 1967: 4

12 August 1967

Ghana: Nkawkaw, 1 mi [=1.6 km] N: Hayward, Bruce Joliffe: USNM: 11 [11 - **11** - **11**].
Kenya: Unknown locality: Start, Anthony N.: WAM: 1 [1 - **1**] - Garsen: Start, Anthony N.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 12 August 1967: 13

13 August 1967

Kenya: Malindi, 30 mi N: Start, Anthony N.: BMNH: 7 [7 - **7** - **7**].

Total Specimens for 13 August 1967: 7

14 August 1967

Kenya: Sokoke Forest: ?: Collector Unknown: ROM: 4 [4 - **4** - **4**].

Total Specimens for 14 August 1967: 4

15 August 1967

Kenya: Kilifi: Williams, John George: ROM: 1 [1 - **1**] - Sokoke Forest: Williams, John George: ROM: 1 [1 - **1** - **2**].

Total Specimens for 15 August 1967: 2

17 August 1967

Ghana: Jukwa: Hayward, Bruce Joliffe: USNM: 45 [45 - **45**] - Saruwi river: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **47**].

Total Specimens for 17 August 1967: 47

18 August 1967

Ghana: Jukwa: Hayward, Bruce Joliffe: USNM: 13 [13 - **13**] - Saruwi river: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **15**].

Total Specimens for 18 August 1967: 15

19 August 1967

Ghana: Cape Coast Castle: Hayward, Bruce Joliffe: USNM: 1 [1]; Haywood, B.: USNM: 1 [1 - **2**] - Jukwa: Hayward, Bruce Joliffe: USNM: 13 [13 - **13**] - Saruwi river: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **16**].

Total Specimens for 19 August 1967: 16

20 August 1967

Ghana: Elemina: Hayward, Bruce Joliffe: USNM: 19 [19]; Haywood, B.: USNM: 1 [1]; Kofi, A.: USNM: 43 [43 - **63**] - Jukwa: Hayward, Bruce Joliffe: USNM: 7 [7 - **7** - **70**].
Kenya: Endebess: Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].
Sudan: Disa: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1967: 72

21 August 1967

Ghana: Jukwa: Hayward, Bruce Joliffe: USNM: 24 [24 - **24** - **24**].
Kenya: Mount Elgon, E face: Barton, Miles: ROM: 4 [4 - **4**] - Suam River: Start, Anthony N.: WAM: 1 [1 - **1** - **5**].

Total Specimens for 21 August 1967: 29

22 August 1967

Guinea: Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].
Kenya: Muumandu: Sillu, David M.: RMCA: 2 [2 - **2**] - Wei Wei River: Start, Anthony N.: BMNH: 1 [1 - **1** - **3**].
Namibia: Karibib: Mittendorf, H.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1967: 5

23 August 1967

Ghana: Prince's Town, 7 mi N: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **5**].
Kenya: Sigor: Williams, A.E.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 23 August 1967: 12

24 August 1967

Ghana: Prince's Town, 7 mi [=11.3 km] N: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Prince's Town, 7 mi N: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **2**].
Kenya: Sigor: Williams, A.E.: ROM: 3 [3 - **3** - **3**].
Zambia: Musende Show: Matthes: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1967: 6

25 August 1967

Ghana: Axim: Hayward, Bruce Joliffe: USNM: 18 [18 - **18**] - Prince's Town, 7 mi N: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **22**].
Kenya: Kongelai: Start, Anthony N.: BMNH: 1 [1 - **1**] - Rift Valley [former] province: ?: Collector Unknown: SMF: 1 [1 - **1**] - Sigor: Williams: ROM: 1 [1]; Williams, A.E.: ROM: 7 [7 - **8**] - Wei Wei River: Start, Anthony N.: BMNH: 1 [1 - **1** - **11**].
Sudan: Disa: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1967: 34

26 August 1967

Ghana: Anima Krom: Hayward, Bruce Joliffe: USNM: 10 [10 - **10** - **10**].

Total Specimens for 26 August 1967: 10

27 August 1967

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 2 [2 - **2**] - Sigor: Williams, John George: ROM: 1 [1 - **1**] - Tamkal Camp: Start, Anthony N.: BMNH: 1 [1 - **1** - **4**].

Namibia: Karibib: Mittendorf, H.: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 27 August 1967: 7

28 August 1967

Ghana: Legon, 1 mi [=1.6 km] N: Hayward, Bruce Joliffe: USNM: 5 [5 - **5**] - Legon, 1 mi N: Hayward, Bruce Joliffe: USNM: 3 [3 - **3** - **8**].
Kenya: Mount Elgon, E face: Barton, Miles: ROM: 9, SAMA: 1 [10 - **10** - **10**].

Total Specimens for 28 August 1967: 18

29 August 1967

Ghana: Anum: Hayward, Bruce Joliffe: USNM: 5 [5 - **5**] - Anum, 4 mi S: Hayward, Bruce Joliffe: USNM: 7 [7 - **7**] - Bame: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **17**].

Total Specimens for 29 August 1967: 17

30 August 1967

Ghana: Amedzofe: Hayward, Bruce Joliffe: USNM: 6 [6 - **6** - **6**].
Zambia: Nampongwe: ?: Collector Unknown: UZMZ: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1967: 7

31 August 1967

Ghana: Denu: Hayward, Bruce Joliffe: USNM: 31 [31]; Kofi, A.: USNM: 61 [61 - **92**] - Keta: Hayward, Bruce Joliffe: USNM: 11 [11 - **11** - **103**].
Zambia: Nampongwe: ?: Collector Unknown: UZMZ: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1967: 104

3 September 1967

Botswana: Maun: Smithers, Reay Henry Noble: ROM: 1 [1 - **1** - **1**].
Kenya: Sultan Hamud: Start, Anthony N.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1967: 2

4 September 1967

Equatorial Guinea: Mokula: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Guinea: cave, Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1967: 2

6 September 1967

Equatorial Guinea: Mokula: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Zambia: Blue Lagoon ranch: Scheppe, W.: BMNH: 1 [1]; Sheppe, Walter A.: CAS: 1 [1 - **2**] - Naleza: ?: Collector Unknown: UZMZ: 2 [2 - **2** - **4**].

Total Specimens for 6 September 1967: 5

8 September 1967

Kenya: Archer's Post: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 8 September 1967: 2

9 September 1967

Zambia: Blue Lagoon ranch: Sheppe, Walter A.: CAS: 1, HZM: 1 [2 - **2**] - Naleza: ?: Collector Unknown: UZMZ: 2 [2 - **2** - **4**].

Total Specimens for 9 September 1967: 4

14 September 1967

Equatorial Guinea: Aninzok: Jones, Clyde: MSB: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1967: 1

18 September 1967

Kenya: Baringo, lake: Williams, A.E.: ROM: 2 [2]; Williams, John George: ROM: 1 [1 - **3** - **3**].
Zambia: Wenela: Japp, M.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 September 1967: 5

19 September 1967

Botswana: Maun: ?: Collector Unknown: ROM: 1 [1]; Smithers, Reay Henry Noble: SMF: 1 [1]; Wilson, Vivian J.: AMNH: 1 [1 - **3** - **3**].

Total Specimens for 19 September 1967: 3

20 September 1967

Botswana: Maun: ?: Collector Unknown: ROM: 3 [3]; Smithers, Reay Henry Noble: ROM: 1 [1 - **4** - **4**].
Zimbabwe: Leopard Rock Hotel: Setzer, Henry W.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 20 September 1967: 7

21 September 1967

Botswana: Maun: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1967: 1

22 September 1967

Ghana: Oda Secondary School: Paulson, Robert C.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1967: 1

24 September 1967

Egypt: Zawyet Umm El Rakham: Hoogstraal, Harry H.: FMNH: 40 [40 - **40** - **40**].
Zambia: Chipongwe Cave: ?: Collector Unknown: UZMZ: 1 [1 - **1** - **1**].
Zimbabwe: Chirinda Forest: Setzer, Henry W.: NHMZ: 3, USNM: 21 [24 - **24** - **24**].

Total Specimens for 24 September 1967: 65

25 September 1967

Botswana: Maun: ?: Collector Unknown: ROM: 2 [2 - **2** - **2**].

Total Specimens for 25 September 1967: 2

26 September 1967

Ghana: University of Ghana: Robbins, C. Brian: USNM: 11 [11 - **11** - **11**].

Total Specimens for 26 September 1967: 11

27 September 1967

Ghana: University of Ghana: LeDuc, James W.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 27 September 1967: 3

29 September 1967

Cameroon: Buea, near: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Tantara cave: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].
Zimbabwe: Chirinda Forest: Setzer, Henry W.: USNM: 7 [7 - **7** - **7**].

Total Specimens for 29 September 1967: 10

30 September 1967

Ghana: Legon: LeDuc, James W.: USNM: 1 [1 - **1**] - University of Ghana: LeDuc, James W.: USNM: 7 [7 - **7** - **8**].
Kenya: Kilanguni Lodge: Williams, John George: ROM: 1 [1 - **1** - **1**].
Zimbabwe: Chirinda Forest: Setzer, Henry W.: USNM: 9 [9 - **9** - **9**].

Total Specimens for 30 September 1967: 18

1 October 1967

Cameroon: Ekona: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].
Ethiopia: Tana, lake: Schüz: SMNS: 1 [1 - **1** - **1**].
Zimbabwe: Chirinda Forest: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1967: 4

2 October 1967

Senegal: Linguère: Descarpentier, A.; Villiers, A.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1967: 1

3 October 1967

Zimbabwe: Selinda, mount: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1967: 1

5 October 1967

Zimbabwe: Chirinda Forest: Setzer, Henry W.: USNM: 23 [23 - **23** - **23**].

Total Specimens for 5 October 1967: 23

6 October 1967

Botswana: Maun: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1967: 1

7 October 1967

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Zambia: Blue Lagoon ranch: Sheppe, Walter A.: CAS: 1 [1 - **1**] - Naleza: ?: Collector Unknown: UZMZ: 3 [3 - **3** - **4**].

Total Specimens for 7 October 1967: 5

8 October 1967

Ghana: Aburi: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1967: 1

9 October 1967

Ghana: Berekuso, 1 mi N: Geest, Julius C.: USNM: 3 [3]; LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 2 [2 - **7** - **7**].

Total Specimens for 9 October 1967: 7

10 October 1967

Zambia: Mfuwe: Dowsett, Robert Jack: MSU: 2 [2 - **2** - **2**].

Total Specimens for 10 October 1967: 2

11 October 1967

Ghana: Berekuso, 1 mi N: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Zambia: Abercorn: Matthes: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1967: 2

13 October 1967

Zimbabwe: Henderson Research Station: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1967: 1

14 October 1967

Zambia: Chipongwe Cave: ?: Collector Unknown: BMNH: 2, UZMZ: 2 [4 - **4** - **4**].

Total Specimens for 14 October 1967: 4

15 October 1967

Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 15 October 1967: 1

16 October 1967

Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Ghana: Berekuso: Geest, Julius C.: USNM: 1 [1 - **1**] - Berekuso, 1 mi N: Geest, Julius C.: USNM: 1 [1]; LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 2 [2 - **5** - **6**].

Total Specimens for 16 October 1967: 7

17 October 1967

Ghana: Achimota: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1967: 1

18 October 1967

Ghana: Achimota: Geest, Julius C.: USNM: 4 [4]; LeDuc, James W.: USNM: 4 [4]; Robbins, C. Brian: USNM: 5 [5 - **13** - **13**].

Total Specimens for 18 October 1967: 13

21 October 1967

Zambia: Kapongo cave: Sheppe, Walter A.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1967: 1

23 October 1967

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ghana: Achimota: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
Zambia: Lusaka, 20 mi SW: ?: Collector Unknown: BMNH: 2, UZMZ: 3 [5 - **5** - **5**].

Total Specimens for 23 October 1967: 7

25 October 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1967: 1

26 October 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Bota: Jones, Theo Simpson: ROM: 10 [10 - **10** - **10**].
Ghana: Achimota: Setzer, Henry W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 26 October 1967: 13

28 October 1967

Ghana: Kade, 6 mi [=9.7 km] NW: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].
Zambia: Lochinvar ranch: Sheppe, Walter A.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1967: 2

29 October 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Ghana: Kade, 6 mi [=9.7 km] NW: Setzer, Henry W.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 29 October 1967: 6

30 October 1967

Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Ghana: Kade, 6 mi [=9.7 km] NW: Setzer, Henry W.: USNM: 6 [6 - **6** - **6**].
Zambia: Mfuwe: Dowsett, Robert Jack: MSU: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1967: 8

31 October 1967

Ghana: Kade, 6 mi [=9.7 km] NW: Setzer, Henry W.: USNM: 8 [8 - **8** - **8**].

Total Specimens for 31 October 1967: 8

1 November 1967

Ghana: Kade, 6 mi [=9.7 km] NW: Setzer, Henry W.: USNM: 12 [12 - **12** - **12**].

Total Specimens for 1 November 1967: 12

2 November 1967

Ghana: Kade, 6 mi [=9.7 km] NW: Setzer, Henry W.: USNM: 14 [14 - **14** - **14**].

Total Specimens for 2 November 1967: 14

3 November 1967

Ghana: Achimota: LeDuc, James W.: USNM: 8 [8 - **8** - **8**].

Total Specimens for 3 November 1967: 8

5 November 1967

Ghana: Berekuso, 1 mi N: Geest, Julius C.: USNM: 10 [10]; Setzer, Henry W.: USNM: 10 [10 - **20** - **20**].

Total Specimens for 5 November 1967: 20

6 November 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1967: 3

9 November 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ghana: University of Ghana: Setzer, Henry W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 9 November 1967: 3

10 November 1967

South Africa: Masimba Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1967: 1

11 November 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 4 [4 - **4** - **4**].
Ghana: Aiyikuma: Geest, Julius C.: USNM: 35 [35]; Setzer, Henry W.: USNM: 34 [34 - **69** - **69**].

Total Specimens for 11 November 1967: 73

12 November 1967

Cameroon: Buea, near: Jones, Theo Simpson: ROM: 11 [11 - **11** - **11**].
Ghana: Krobo mountain: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1967: 12

13 November 1967

Ghana: Achimota: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 13 November 1967: 2

14 November 1967

Ghana: Achimota: Setzer, Henry W.: USNM: 3 [3 - **3**] - Doyum: Geest, Julius C.: USNM: 22 [22]; LeDuc, James W.: USNM: 16 [16]; Setzer, Henry W.: USNM: 36 [36 - **74**] - Pra Suhien Forest Reserve: Geest, Julius C.; Cole, L.: USNM: 1 [1 - **1** - **78**].

Total Specimens for 14 November 1967: 78

16 November 1967

Cameroon: Tombel: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ghana: Achimota: LeDuc, James W.: USNM: 1 [1 - **1**] - Doyum: Geest, Julius C.: USNM: 33 [33]; Robbins, C. Brian: USNM: 25 [25]; Setzer, Henry W.: USNM: 26 [26 - **84** - **85**].
Zimbabwe: Martin Forest Reserve: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1967: 87

17 November 1967

Zimbabwe: Martin Forest Reserve: Goussard, S.W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 17 November 1967: 2

19 November 1967

Ghana: Krobo mountain: Geest, Julius C.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 19 November 1967: 10

22 November 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 5 [5 - **5** - **5**].
Ghana: University of Ghana: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1967: 6

23 November 1967

Ghana: Teshi: Geest, Julius C.: USNM: 31 [31]; Robbins, C. Brian: USNM: 27 [27]; Setzer, Henry W.: USNM: 30 [30 - **88** - **88**].

Total Specimens for 23 November 1967: 88

24 November 1967

Ghana: Legon: LeDuc, James W.: USNM: 2 [2 - **2** - **2**].
South Africa: Kalahari Gemsbok-NP: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Kamferboom: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Kamfersboom: ?: Collector Unknown: BRTC: 1 [1 - **1** - **4**].

Total Specimens for 24 November 1967: 6

25 November 1967

Ghana: Achimota: Geest, Julius C.: USNM: 2 [2 - **2**] - Teshi: Geest, Julius C.: USNM: 11 [11]; Robbins, C. Brian: USNM: 27 [27]; Setzer, Henry W.: USNM: 54 [54 - **92** - **94**].

Total Specimens for 25 November 1967: 94

26 November 1967

Ghana: Teshi: Geest, Julius C.: USNM: 19 [19]; LeDuc, James W.: USNM: 33 [33]; Robbins, C. Brian: USNM: 43 [43]; Setzer, Henry W.: USNM: 20 [20 - **115** - **115**].
Zimbabwe: Ngorima Reserve: Goussard, S.W.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 26 November 1967: 125

28 November 1967

Ghana: Legon: Geest, Julius C.: USNM: 2 [2]; Robbins, C. Brian: USNM: 1 [1]; Setzer, Henry W.: USNM: 9 [9 - **12**] - Teshi: Setzer, Henry W.: USNM: 1 [1 - **1**] - University of Ghana: Geest, Julius C.: USNM: 6 [6]; Robbins, C. Brian: USNM: 9 [9 - **15** - **28**].

Total Specimens for 28 November 1967: 28

29 November 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1967: 1

30 November 1967

Botswana: Maun: ?: Collector Unknown: ROM: 6 [6]; Smithers, Reay Henry Noble: ROM: 2 [2 - **8** - **8**].
Ghana: Akosombo: Geest, Julius C.: USNM: 11 [11]; Robbins, C. Brian: USNM: 11 [11]; Setzer, Henry W.: USNM: 10 [10 - **32**] - Legon: Geest, Julius C.: USNM: 1 [1 - **1**] - University of Ghana: Geest, Julius C.: USNM: 3 [3]; Robbins, C. Brian: USNM: 2 [2]; Setzer, Henry W.: USNM: 4 [4 - **9** - **42**].

Total Specimens for 30 November 1967: 50

1 December 1967

Botswana: Maun: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ghana: University of Ghana: Geest, Julius C.: USNM: 5 [5]; Robbins, C. Brian: USNM: 5 [5]; Setzer, Henry W.: USNM: 3 [3 - **13** - **13**].
Malawi: Nsanje: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Krugersdorp: Robsory: ROM: 5 [5 - **5** - **5**].
Zimbabwe: Ngorima Reserve: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1967: 24

2 December 1967

Ghana: Akwamufe: Setzer, Henry W.: USNM: 4 [4 - **4**] - Akwamufe, 1 mi N: LeDuc, James W.: USNM: 6 [6]; Setzer, Henry W.: USNM: 4 [4 - **10**] - Akwanu, 5 mi W: Geest, Julius C.: USNM: 23 [23 - **23**] - Asikuma, 1 mi N: Setzer, Henry W.: USNM: 4 [4 - **4**] - Kpeve: Geest, Julius C.: USNM: 3 [3 - **3**] - Tsibu, 2 mi SSW: Setzer, Henry W.: USNM: 2 [2 - **2**] - Tsibu, 7 mi N: LeDuc, James W.: USNM: 6 [6 - **6**] - University of Ghana: LeDuc, James W.: USNM: 11 [11]; Setzer, Henry W.: USNM: 5 [5 - **16** - **68**].

Total Specimens for 2 December 1967: 68

3 December 1967

Botswana: Maun: ?: Collector Unknown: ROM: 2 [2]; Smithers, Reay Henry Noble: ROM: 1 [1 - **3** - **3**].
Ghana: University of Ghana: Geest, Julius C.: USNM: 6 [6]; Hayward, Bruce Joliffe: USNM: 2 [2]; Setzer, Henry W.: USNM: 5 [5 - **13** - **13**].

Total Specimens for 3 December 1967: 16

4 December 1967

Ghana: Achimota: LeDuc, James W.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 4 December 1967: 6

5 December 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Ghana: Achimota: ?: Collector Unknown: ROM: 1 [1]; LeDuc, James W.: USNM: 1 [1 - **2**] - Legon: Setzer, Henry W.: USNM: 2 [2 - **2**] - University of Ghana: LeDuc, James W.: USNM: 19 [19]; Setzer, Henry W.: USNM: 18 [18 - **37** - **41**].

Total Specimens for 5 December 1967: 43

6 December 1967

Botswana: Maun: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Ghana: Legon: Setzer, Henry W.: USNM: 4 [4 - **4**] - University of Ghana: Setzer, Henry W.: USNM: 25 [25 - **25** - **29**].

Total Specimens for 6 December 1967: 30

7 December 1967

Ghana: Legon: Setzer, Henry W.: USNM: 5 [5 - **5**] - University of Ghana: Setzer, Henry W.: USNM: 22 [22 - **22** - **27**].

Total Specimens for 7 December 1967: 27

8 December 1967

Ghana: Legon: Setzer, Henry W.: USNM: 5 [5 - **5**] - University of Ghana: Setzer, Henry W.: USNM: 15 [15 - **15** - **20**].

Total Specimens for 8 December 1967: 20

9 December 1967

Cameroon: Tiko: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ghana: Legon: Setzer, Henry W.: USNM: 3 [3 - **3**] - University of Ghana: Setzer, Henry W.: USNM: 8 [8 - **8** - **11**].

Total Specimens for 9 December 1967: 12

10 December 1967

Cameroon: Mamfe: LeDuc, James W.: USNM: 15 [15 - **15**] - Tiko, near: Jones, Theo Simpson: ROM: 3 [3 - **3** - **18**].
Gabon: Makokou: Brosset, André: MNHN: 1 [1 - **1** - **1**].
Ghana: Adawaso: Setzer, Henry W.: USNM: 14 [14 - **14**] - Adawaso, 1 mi E: Setzer, Henry W.: USNM: 2 [2 - **2**] - Adawaso, 1.9 mi NW: Setzer, Henry W.: USNM: 1 [1 - **1**] - Adawaso, 4.7 mi E: LeDuc, James W.: USNM: 4 [4 - **4**] - Adawaso, 5.7 mi E: LeDuc, James W.: USNM: 2 [2 - **2**] - Nankasi: Setzer, Henry W.: USNM: 1 [1 - **1**] - Okorasi: LeDuc, James W.: USNM: 15 [15 - **15**] - Tutu: Setzer, Henry W.: USNM: 1 [1 - **1** - **40**].
South Africa: Krugersdorp: Baddeley, M. St. C.: ROM: 6 [6 - **6** - **6**].
Uganda: Bugoma Forest: Archer, A.L.: LACM: 3 [3 - **3**] - Mwela: Archer, A.L.: LACM: 4 [4 - **4** - **7**].
Zimbabwe: Kyle Game Reserve: Goussard, S.W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 10 December 1967: 74

11 December 1967

Kenya: Barberton Cave: Williams, John George: ROM: 2 [2 - **2** - **2**].
South Africa: American cave: ?: Collector Unknown: BRTC: 1 [1 - **1**] - Rackpoort-guano cave: ?: Collector Unknown: BRTC: 1 [1 - **1**] - Rockport-guano cave: ?: Collector Unknown: BRTC: 2 [2 - **2**] - Rockport-guano cave: ?: Collector Unknown: BRTC: 1 [1 - **1** - **5**].
Zimbabwe: Kyle Game Reserve: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1967: 8

12 December 1967

Zimbabwe: Kyle Game Reserve: Goussard, S.W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1967: 1

13 December 1967

Botswana: Maun: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Zambia: Leopard's Hill Cave: Sheppe, Walter A.: CAS: 1 [1 - **1**] - Lusaka, 18 mi [= 29 km] S: Sheppe, Walter A.: CAS: 1 [1 - **1** - **2**].

Total Specimens for 13 December 1967: 3

14 December 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1967: 1

15 December 1967

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1967: 1

16 December 1967

Nigeria: Upper Ogun Ranch: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Zimbabwe: Kyle Game Reserve: Goussard, S.W.: USNM: 8 [8 - **8** - **8**].

Total Specimens for 16 December 1967: 9

17 December 1967

Ghana: Weija: LeDuc, James W.: USNM: 17 [17]; Robbins, C. Brian: USNM: 29 [29 - **46** - **46**].

Total Specimens for 17 December 1967: 46

21 December 1967

Botswana: Maun: Smithers, Reay Henry Noble: ROM: 1 [1 - **1** - **1**].
Zambia: Naleza: ?: Collector Unknown: BMNH: 3, UZMZ: 1 [4 - **4** - **4**].

Total Specimens for 21 December 1967: 5

24 December 1967

Guinea: Kankasili: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1967: 1

25 December 1967

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 25 December 1967: 1

29 December 1967

Burundi: Gitega: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1967: 1

30 December 1967

Zambia: Leopard's Hill Cave: Sheppe, Walter A.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1967: 1

31 December 1967

Ghana: University of Ghana: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1967: 1

1 January 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Ekona: Jones, Theo Simpson: ROM: 4 [4 - **4**] - Meanja: Jones, Theo Simpson: ROM: 1 [1 - **1** - **5**].
Ghana: Achimota: Fischer, H.: MVZ: 1 [1 - **1** - **1**].
Kenya: Kiriri: Sillu, David M.: RMCA: 1 [1 - **1**] - Makindu, 19 km W: Williams, John George: ROM: 14 [14 - **14** - **15**].
Nigeria: Malamfatori: Fagbohunmi, Johnson: ZMA: 2 [2 - **2** - **2**].
Tanzania: Muansa [=Mwanza]: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1968: 25

4 January 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].

Total Specimens for 4 January 1968: 2

5 January 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].

Total Specimens for 5 January 1968: 2

6 January 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].

Total Specimens for 6 January 1968: 2

7 January 1968

Ghana: Prestea, 32 mi [=51.5 km] W: Geest, Julius C.: USNM: 6 [6 - **6**] - Prestea, 32 mi W: Geest, Julius C.: USNM: 4 [4 - **4** - **10**].

Total Specimens for 7 January 1968: 10

8 January 1968

Ghana: Prestea, 32 mi [=51.5 km] W: Geest, Julius C.: USNM: 6 [6 - **6**] - Prestea, 32 mi W: Geest, Julius C.: USNM: 1 [1 - **1** - **7**].

Total Specimens for 8 January 1968: 7

9 January 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].
Ghana: Prestea, 32 mi [=51.5 km] W: Geest, Julius C.: USNM: 11 [11 - **11**] - Prestea, 32 mi W: Geest, Julius C.: USNM: 3 [3 - **3** - **14**].

Total Specimens for 9 January 1968: 16

10 January 1968

Ghana: Prestea, 32 mi [=51.5 km] W: ?: Collector Unknown: USNM: 1 [1]; Geest, Julius C.: USNM: 9 [9 - **10**] - Prestea, 32 mi W: Geest, Julius C.: USNM: 14 [14]; Setzer, Henry W.: USNM: 1 [1 - **15** - **25**].
Guinea: Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].
Zambia: Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Sheppe, Walter A.: CAS: 1 [1 - **1**] - Ngwerere Siding: ?: Collector Unknown: BMNH: 1, UZMZ: 7 [8 - **8** - **9**].

Total Specimens for 10 January 1968: 35

11 January 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ghana: Prestea, 32 mi [=51.5 km] W: Geest, Julius C.: USNM: 8 [8 - **8**] - Prestea, 32 mi W: Geest, Julius C.: USNM: 16 [16 - **16** - **24**].

Total Specimens for 11 January 1968: 25

12 January 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ghana: Prestea, 32 mi [=51.5 km] W: Geest, Julius C.: USNM: 8 [8 - **8**] - Prestea, 32 mi W: Geest, Julius C.: USNM: 10 [10 - **10** - **18**].

Total Specimens for 12 January 1968: 19

13 January 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 3 [3 - **3** - **3**].
Ghana: Prestea, 32 mi [=51.5 km] W: Geest, Julius C.: USNM: 8 [8 - **8**] - Prestea, 32 mi W: Geest, Julius C.: USNM: 9 [9 - **9** - **17**].

Total Specimens for 13 January 1968: 20

14 January 1968

Benin: Diho: Robbins, C. Brian: USNM: 4 [4 - **4** - **4**].
Ghana: Prestea, 32 mi [=51.5 km] W: Geest, Julius C.: USNM: 1 [1 - **1**] - Prestea, 32 mi W: Geest, Julius C.: USNM: 4 [4 - **4** - **5**].

Total Specimens for 14 January 1968: 9

15 January 1968

Ghana: Prestea, 32 mi W: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].

Zimbabwe: Sabi-Lundi [= Save-Runde] R Confluence: Liversedge, T.N.: USNM: 3 [3 - **3**] - Sabi-Lundi confluence: Liversedge, T.N.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 15 January 1968: 6

16 January 1968

Benin: Diho: LeDuc, James W.: USNM: 1 [1]; Robbins, C. Brian: USNM: 1 [1 - **2** - **2**].
Ghana: Butre: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
Zimbabwe: Sabi-Lundi [= Save-Runde] R Confluence: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1968: 4

17 January 1968

Ghana: Butre: Geest, Julius C.: USNM: 48 [48 - **48** - **48**].
Zimbabwe: Sabi-Lundi [= Save-Runde] R Confluence: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1968: 49

18 January 1968

Ghana: Butre: Geest, Julius C.: USNM: 36 [36 - **36** - **36**].

Total Specimens for 18 January 1968: 36

19 January 1968

Benin: Bimbereke: LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 4 [4 - **6**] - Bimbéréké: LeDuc, James W.: USNM: 9 [9]; Robbins, C. Brian: USNM: 4 [4 - **13**] - Diho: LeDuc, James W.: USNM: 1 [1 - **1** - **20**].
Ghana: Butre: Geest, Julius C.: USNM: 21 [21 - **21** - **21**].

Total Specimens for 19 January 1968: 41

20 January 1968

Benin: Bimbereke: LeDuc, James W.: USNM: 12 [12]; Robbins, C. Brian: USNM: 10 [10 - **22**] - Bimbéréké: Robbins, C. Brian: USNM: 6 [6 - **6**] - Diho: LeDuc, James W.: USNM: 1 [1 - **1** - **29**].
Ghana: Butre: Geest, Julius C.: USNM: 17 [17 - **17** - **17**].

Total Specimens for 20 January 1968: 46

21 January 1968

Benin: Bimbereke: LeDuc, James W.: USNM: 15 [15]; Robbins, C. Brian: USNM: 11 [11 - **26** - **26**].
Ghana: Butre: Geest, Julius C.: USNM: 24 [24 - **24** - **24**].

Total Specimens for 21 January 1968: 50

22 January 1968

Benin: Bimbereke: LeDuc, James W.: USNM: 10 [10]; Robbins, C. Brian: USNM: 20 [20 - **30** - **30**].
Ghana: Butre: Geest, Julius C.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 22 January 1968: 40

23 January 1968

Benin: Bimbereke: Robbins, C. Brian: USNM: 10 [10 - **10** - **10**].

Total Specimens for 23 January 1968: 10

24 January 1968

Kenya: Kilifi: Martin, P.L.; Williams, A.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1968: 1

25 January 1968

Burkina Faso: Tatarko: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].
Ghana: Ahiriso: Geest, Julius C.: USNM: 66 [66 - **66** - **66**].

Kenya: Kilifi: Williams, A.: LACM: 2 [2 - **2** - **2**].

Total Specimens for 25 January 1968: 69

26 January 1968

Ghana: Ahiriso: Geest, Julius C.: USNM: 20 [20 - **20** - **20**].
Kenya: Sokoke Forest: Martin, P.L.; Williams, A.: LACM: 1 [1 - **1**] - Takaungu: Martin, P.L.; Williams, A.: LACM: 5 [5]; Williams, A.E.: LACM: 5 [5 - **10** - **11**].

Total Specimens for 26 January 1968: 31

27 January 1968

Ghana: Ahiriso: Geest, Julius C.: USNM: 22 [22 - **22** - **22**].

Total Specimens for 27 January 1968: 22

28 January 1968

Ghana: Ahiriso: Geest, Julius C.: USNM: 2 [2 - **2**] - Leklebi Agbesia: Geest, Julius C.: USNM: 5 [5 - **5** - **7**].

Total Specimens for 28 January 1968: 7

29 January 1968

Benin: Diho: LeDuc, James W.: USNM: 1 [1 - **1**] - Guéné: LeDuc, James W.: USNM: 39 [39]; Robbins, C. Brian: USNM: 41 [41 - **80** - **81**].
Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ghana: Ahiriso: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1968: 83

30 January 1968

Ghana: Ahiriso: Geest, Julius C.: USNM: 7 [7 - **7** - **7**].
Kenya: Sokoke Forest: Williams, A.: LACM: 1 [1 - **1** - **1**].
Zambia: Samfya: Perez, L.M.: UZMZ: 1 [1 - **1** - **1**].

Total Specimens for 30 January 1968: 9

31 January 1968

"Africa": Settlement: : BMNH: 3 [3 - **3** - **3**].
Benin: Guéné: LeDuc, James W.: USNM: 15 [15]; Robbins, C. Brian: USNM: 18 [18 - **33** - **33**].

Total Specimens for 31 January 1968: 36

1 February 1968

Benin: Guéné: Robbins, C. Brian: USNM: 9 [9 - **9** - **9**].

Total Specimens for 1 February 1968: 9

2 February 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1968: 1

4 February 1968

Cameroon: Buea, near: Jones, Theo Simpson: ROM: 14 [14 - **14** - **14**].

Total Specimens for 4 February 1968: 14

10 February 1968

Cameroon: Tombel: Jones, Theo Simpson: ROM: 1 [1 - **1**] - Yaoundé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].

Total Specimens for 10 February 1968: 2

11 February 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 5 [5 - **5** - **5**].

Total Specimens for 11 February 1968: 5

12 February 1968

"Africa": Takamaka: Hutson, Anthony Michael: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1968: 1

13 February 1968

Benin: Segbana: Robbins, C. Brian: USNM: 4 [4 - **4**] - Ségbana: Robbins, C. Brian: USNM: 3 [3 - **3** - **7**].

Total Specimens for 13 February 1968: 7

14 February 1968

"Africa": Takamaka Grove: Hutson, Anthony Michael: BMNH: 3 [3 - **3** - **3**].
Tanzania: Minziro: Archer, A.L.: LACM: 4 [4 - **4** - **4**].

Total Specimens for 14 February 1968: 7

15 February 1968

Benin: Segbana: Robbins, C. Brian: USNM: 14 [14 - **14** - **14**].

Total Specimens for 15 February 1968: 14

16 February 1968

"Africa": Dipker Island: Jones, Clyde: MSB: 2 [2 - **2** - **2**].
Benin: Nikki: Robbins, C. Brian: USNM: 1 [1 - **1**] - Segbana: Robbins, C. Brian: USNM: 18 [18 - **18**] - Ségbana: Robbins, C. Brian: USNM: 2 [2 - **2** - **21**].

Total Specimens for 16 February 1968: 23

17 February 1968

Guinea: Hotel de la Gar: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1968: 1

18 February 1968

Kenya: Mtito Andei, near: Williams, John George: AMNH: 9 [9 - **9** - **9**].
Tanzania: Kilimanjaro, Mount: Williams, John George: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1968: 10

19 February 1968

Benin: Nikki: Robbins, C. Brian: USNM: 5 [5 - **5** - **5**].

Total Specimens for 19 February 1968: 5

21 February 1968

Ghana: Subinja: Geest, Julius C.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 21 February 1968: 10

22 February 1968

Benin: Nikki: LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 1 [1 - **3** - **3**].
Ghana: Subinja: Geest, Julius C.: USNM: 20 [20 - **20** - **20**].

Total Specimens for 22 February 1968: 23

23 February 1968

Ghana: Subinja: Geest, Julius C.: USNM: 4 [4 - **4** - **4**].

Tanzania: Kilimanjaro, Mount: Williams, John George: AMNH: 13 [13 - **13** - **13**].

Total Specimens for 23 February 1968: 17

24 February 1968

Benin: Guéné - Nikki road: LeDuc, James W.: USNM: 1 [1 - **1**] - Nikki: LeDuc, James W.: USNM: 9 [9]; Robbins, C. Brian: USNM: 12 [12 - **21** - **22**].
Ghana: Subinja: Geest, Julius C.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 24 February 1968: 28

26 February 1968

Ghana: Pirisi: Geest, Julius C.: USNM: 60 [60 - **60** - **60**].
Kenya: Amboseli: Williams, John George: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1968: 61

27 February 1968

Benin: Parakou: LeDuc, James W.: USNM: 7 [7]; Robbins, C. Brian: USNM: 4 [4 - **11** - **11**].
Ghana: Pirisi: Geest, Julius C.: USNM: 59 [59 - **59** - **59**].

Total Specimens for 27 February 1968: 70

28 February 1968

Benin: Parakou: LeDuc, James W.: USNM: 5 [5]; Robbins, C. Brian: USNM: 1 [1 - **6** - **6**].

Total Specimens for 28 February 1968: 6

29 February 1968

Benin: Parakou: Robbins, C. Brian: USNM: 3 [3 - **3**] - Tourou: LeDuc, James W.: USNM: 20 [20]; Robbins, C. Brian: USNM: 20 [20 - **40** - **43**].
Ghana: Pirisi: Geest, Julius C.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 29 February 1968: 49

1 March 1968

Cameroon: Bisoro Balve: Jones, Theo Simpson: ROM: 57 [57 - **57**] - Ekona: Jones, Theo Simpson: ROM: 2 [2 - **2** - **59**].
Ghana: Pirisi: Geest, Julius C.: USNM: 11 [11 - **11** - **11**].
Kenya: Suyan Lugga: Curry, Noreen: ROM: 4 [4]; Curry, Noreen; Glen, Robert M.: ROM: 3 [3 - **7** - **7**].
Rwanda: Simbi cave: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1968: 78

2 March 1968

Kenya: Lake Elementeita: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1968: 1

3 March 1968

Ghana: Pulima: Geest, Julius C.: USNM: 40 [40]; Ingersol, R.H.: USNM: 1 [1 - **41** - **41**].
Zambia: Fort Roseberry - Lubumbashi, between: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1968: 42

4 March 1968

Ghana: Pulima: Geest, Julius C.: USNM: 12 [12 - **12** - **12**].

Total Specimens for 4 March 1968: 12

5 March 1968

Benin: Kétou: LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 3 [3 - **5** - **5**].
Ghana: Bangwon: Geest, Julius C.: USNM: 4 [4 - **4**] - Pulima: Geest, Julius C.: USNM: 10 [10 - **10** - **14**].

Total Specimens for 5 March 1968: 19

6 March 1968

Benin: Kétou: LeDuc, James W.: USNM: 18 [18]; Robbins, C. Brian: USNM: 19 [19 - **37** - **37**].
Botswana: Maun: Smithers, Reay Henry Noble: ROM: 1 [1 - **1** - **1**].
Ghana: Pulima: Geest, Julius C.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 6 March 1968: 42

7 March 1968

Benin: Kétou: LeDuc, James W.: USNM: 11 [11]; Robbins, C. Brian: USNM: 2 [2 - **13** - **13**].
Ghana: Pulima: Geest, Julius C.: USNM: 26 [26 - **26** - **26**].
Kenya: Olorgasailie: Williams, A.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1968: 40

9 March 1968

Ghana: Bangwon: Geest, Julius C.: USNM: 36 [36 - **36** - **36**].

Total Specimens for 9 March 1968: 36

11 March 1968

Ghana: Bangwon: Geest, Julius C.: USNM: 16 [16 - **16** - **16**].

Total Specimens for 11 March 1968: 16

13 March 1968

Ghana: Bangwon: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].
Kenya: Nairobi, 30 mi [= 48 km] E: Williams, John George: ROM: 44 [44 - **44** - **44**].

Total Specimens for 13 March 1968: 46

14 March 1968

Equatorial Guinea: Bolondo: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Lesotho: Fort Hartley, 10 mi NE [=Quthing, 10 mi NE]: Lambrechts, A.V.W.: USNM: 1 [1 - **1** - **1**].
Zambia: Ngwerere Siding: ?: Collector Unknown: BMNH: 1, UZMZ: 8 [9 - **9** - **9**].

Total Specimens for 14 March 1968: 11

15 March 1968

Ghana: Sakpa: Geest, Julius C.: USNM: 7 [7 - **7** - **7**].
Lesotho: Fort Hartley, 10 mi NE [=Quthing, 10 mi NE]: Lambrechts, A.V.W.: USNM: 16 [16 - **16** - **16**].

Total Specimens for 15 March 1968: 23

16 March 1968

Ghana: Pulima: Geest, Julius C.: USNM: 1 [1 - **1**] - Sakpa: Geest, Julius C.: USNM: 46 [46 - **46** - **47**].
Tanzania: Manyara, Lake: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1968: 48

17 March 1968

Cameroon: Buea, near: Jones, Theo Simpson: ROM: 3 [3 - **3** - **3**].
Ghana: Sakpa: Geest, Julius C.: USNM: 27 [27 - **27** - **27**].
Kenya: Nairobi, 30 mi [= 48 km] E: Williams, John George: ROM: 5 [5 - **5** - **5**].

Total Specimens for 17 March 1968: 35

18 March 1968

Ghana: Sakpa: Geest, Julius C.: USNM: 65 [65 - **65** - **65**].

Total Specimens for 18 March 1968: 65

19 March 1968

Cameroon: Likomba: Jones, Theo Simpson: ROM: 10 [10 - **10** - **10**].
Ghana: Sakpa: Geest, Julius C.: USNM: 8 [8 - **8** - **8**].

Total Specimens for 19 March 1968: 18

20 March 1968

Equatorial Guinea: Engong: Jones, Clyde: MSB: 3 [3 - **3** - **3**].
Seychelles: Dune Jean Louis: Hutson, Anthony Michael; Berger, J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1968: 4

21 March 1968

Equatorial Guinea: Engong: Jones, Clyde: MSB: 4 [4 - **4** - **4**].
Ghana: Kokofu: Geest, Julius C.: USNM: 2 [2 - **2**] - Sakpa: Geest, Julius C.: USNM: 13 [13 - **13** - **15**].
Kenya: Archer's Post: Williams, John George: ROM: 3 [3 - **3** - **3**].
Zambia: Naleza: ?: Collector Unknown: UZMZ: 1 [1 - **1** - **1**].

Total Specimens for 21 March 1968: 23

22 March 1968

Ghana: Oda Secondary School: Paulson, Robert C.: MSU: 1 [1 - **1** - **1**].
Zambia: Naleza: ?: Collector Unknown: UZMZ: 4 [4 - **4** - **4**].

Total Specimens for 22 March 1968: 5

23 March 1968

Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].
South Africa: Mansiya Valley: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Norvalspont: Lambrechts, A.V.W.: USNM: 6 [6 - **6** - **7**].

Total Specimens for 23 March 1968: 9

25 March 1968

Kenya: Mtito Andei: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **3**] - Rumurati, 64 km NW: Williams, John George: ROM: 1 [1 - **1** - **4**].
Rwanda: Musha: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1968: 5

26 March 1968

Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 26 March 1968: 2

27 March 1968

Nigeria: Ibadan: Akpan, S.B.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 27 March 1968: 3

28 March 1968

Botswana: Maun: Wilson, Vivian J.: AMNH: 2 [2 - **2** - **2**].
Kenya: Kericho: Williams, A.E.: ROM: 3 [3 - **3** - **3**].
South Africa: eGodeni: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Hluhluwe-Imfolozi Park, HQ: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mansia Valley: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

Total Specimens for 28 March 1968: 8

29 March 1968

Botswana: Maun: Wilson, Vivian J.: AMNH: 2 [2 - **2** - **2**].
Ghana: Kade, 6 mi [=9.7 km] N: Geest, Julius C.: USNM: 29 [29 - **29** - **29**].

Total Specimens for 29 March 1968: 31

31 March 1968

Equatorial Guinea: Bata: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].
Zambia: Naleza: ?: Collector Unknown: UZMZ: 2 [2 - **2** - **2**].

Total Specimens for 31 March 1968: 5

1 April 1968

Cameroon: Bimbia: Jones, Theo Simpson: ROM: 6 [6 - **6**] - Saxenhof: Jones, Theo Simpson: ROM: 3 [3 - **3** - **9**].
Kenya: Ami River: Curry, Noreen: ROM: 1 [1 - **1**] - Kericho: AEW (Agricultural Extension Workers): ROM: 3 [3]; Williams, John George: ROM: 2 [2 - **5**] - Shimoni cave: ?: Collector Unknown: ROM: 3 [3]; Curry, Noreen: ROM: 21 [21]; Curry, Noreen; Glen, Robert M.: ROM: 6 [6 - **30** - **36**].
Uganda: Katwe: Williams, John George: ROM: 12 [12 - **12** - **12**].

Total Specimens for 1 April 1968: 57

3 April 1968

Ghana: Yabraso: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1968: 1

5 April 1968

Equatorial Guinea: Engong: Jones, Clyde: MSB: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1968: 1

6 April 1968

Guinea: Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1968: 1

8 April 1968

Ghana: Yabraso: Geest, Julius C.: USNM: 22 [22 - **22** - **22**].

Total Specimens for 8 April 1968: 22

9 April 1968

Ghana: Yabraso: Geest, Julius C.: USNM: 19 [19 - **19** - **19**].
Seychelles: Picard Island: Lowery, R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 9 April 1968: 20

10 April 1968

Ghana: Yabraso: Geest, Julius C.: USNM: 18 [18 - **18** - **18**].
Rwanda: Simbi cave: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1968: 19

11 April 1968

Ghana: Yabraso: Geest, Julius C.: USNM: 11 [11 - **11** - **11**].

Total Specimens for 11 April 1968: 11

12 April 1968

Ghana: Yabraso: Geest, Julius C.: USNM: 14 [14 - **14** - **14**].

Total Specimens for 12 April 1968: 14

14 April 1968

Benin: Zizonkame: LeDuc, James W.: USNM: 12 [12]; Robbins, C. Brian: USNM: 6 [6 - **18** - **18**].
Ghana: Nabogo: Geest, Julius C.: USNM: 8 [8 - **8** - **8**].

Sierra Leone: Forestry Training School, near: Robinson, Phillip T.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1968: 27

15 April 1968

Benin: Zizonkame: LeDuc, James W.: USNM: 5 [5]; Robbins, C. Brian: USNM: 10 [10 - **15** - **15**].
Ghana: Nabogo: Geest, Julius C.: USNM: 6 [6 - **6** - **6**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 15 April 1968: 25

16 April 1968

Benin: Zizonkame: LeDuc, James W.: USNM: 9 [9]; Robbins, C. Brian: USNM: 3 [3 - **12** - **12**].
Ghana: Nabogo: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 16 April 1968: 16

17 April 1968

Benin: no specific locality: LeDuc, James W.: USNM: 1 [1 - **1**] - Zizonkame: Robbins, C. Brian: USNM: 5 [5 - **5** - **6**].
Rwanda: Astrida: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 17 April 1968: 8

18 April 1968

Benin: Zizonkame: LeDuc, James W.: USNM: 9 [9]; Robbins, C. Brian: USNM: 1 [1 - **10**] - Zizonkamé: LeDuc, James W.: USNM: 1 [1 - **1** - **11**].

Total Specimens for 18 April 1968: 11

19 April 1968

South Africa: Graaff Reinet, 23 mi SE: Lambrechts, A.V.W.: USNM: 1 [1]; Liversedge, S.J.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 19 April 1968: 2

20 April 1968

Kenya: Mount Elgon: Barton, Miles: ROM: 6 [6 - **6** - **6**].

Total Specimens for 20 April 1968: 6

21 April 1968

Benin: Soubroukou: LeDuc, James W.: USNM: 7 [7]; Robbins, C. Brian: USNM: 5 [5 - **12** - **12**].
Ethiopia: Koffolé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ghana: Nabogo: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1968: 14

22 April 1968

Benin: Soubroukou: Robbins, C. Brian: USNM: 2 [2 - **2** - **2**].

Total Specimens for 22 April 1968: 2

23 April 1968

Benin: Soubroukou: Robbins, C. Brian: USNM: 7 [7 - **7** - **7**].
Ghana: Nabogo: Geest, Julius C.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 23 April 1968: 10

24 April 1968

Benin: Soubroukou: LeDuc, James W.: USNM: 7 [7]; Robbins, C. Brian: USNM: 15 [15 - **22**] - Zizonkame: LeDuc, James W.: USNM: 1 [1 - **1** - **23**].

Total Specimens for 24 April 1968: 23

25 April 1968

Congo (Democratic Republic of the): Elisabethville: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Somalia: Giohar: Lanza, Benedetto Giuseppe Antonio: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1968: 2

26 April 1968

Benin: Kouande: Aschemeier, Charles R.: USNM: 2 [2]; LeDuc, James W.: USNM: 6 [6]; Robbins, C. Brian: USNM: 2 [2 - **10** - **10**].
Côte d'Ivoire: Lamto: ORSTOM: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1968: 11

28 April 1968

Ethiopia: Abaya, W coast lake: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 28 April 1968: 2

29 April 1968

Benin: Kouande: LeDuc, James W.: USNM: 1 [1]; Robbins, C. Brian: USNM: 1 [1 - **2** - **2**].
Zimbabwe: Umtali mine adit: van der Merwe, Mac: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1968: 3

30 April 1968

Ethiopia: Abaya lake, W bank: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Lake Abaya, West shore: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].

Total Specimens for 30 April 1968: 2

1 May 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ethiopia: Abaya lake, W bank: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Total Specimens for 1 May 1968: 4

2 May 1968

Benin: Porga: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Cameroon: Indian Estates: Jones, Theo Simpson: ROM: 8 [8 - **8** - **8**].

Total Specimens for 2 May 1968: 9

3 May 1968

Zimbabwe: Salisbury: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 3 May 1968: 2

5 May 1968

Benin: Porga: LeDuc, James W.: USNM: 37 [37]; Robbins, C. Brian: USNM: 17 [17 - **54** - **54**].

Total Specimens for 5 May 1968: 54

6 May 1968

Benin: Porga: LeDuc, James W.: USNM: 38 [38]; Robbins, C. Brian: USNM: 67 [67 - **105** - **105**].
Ghana: Shishe: Geest, Julius C.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 6 May 1968: 115

7 May 1968

Benin: Porga: LeDuc, James W.: USNM: 109 [109]; Robbins, C. Brian: USNM: 106 [106 - **215** - **215**].

Total Specimens for 7 May 1968: 215

8 May 1968

Ghana: Gambaga: Geest, Julius C.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 8 May 1968: 3

9 May 1968

Ghana: Gambaga: Geest, Julius C.: USNM: 5 [5 - **5** - **5**].
Togo: Dapango: LeDuc, James W.: USNM: 13 [13]; Robbins, C. Brian: USNM: 15 [15 - **28** - **28**].

Total Specimens for 9 May 1968: 33

10 May 1968

Ghana: Gambaga: Geest, Julius C.: USNM: 4 [4 - **4** - **4**].
Togo: Dapango: LeDuc, James W.: USNM: 6 [6]; Robbins, C. Brian: USNM: 13 [13 - **19** - **19**].

Total Specimens for 10 May 1968: 23

11 May 1968

Ghana: Gambaga: Geest, Julius C.: USNM: 8 [8 - **8** - **8**].
Togo: Dapango: LeDuc, James W.: USNM: 10 [10]; Robbins, C. Brian: USNM: 7 [7 - **17** - **17**].

Total Specimens for 11 May 1968: 25

12 May 1968

Ghana: Gambaga: Geest, Julius C.: USNM: 5 [5 - **5** - **5**].
Togo: Dapango: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1968: 6

13 May 1968

Ghana: Gambaga: Geest, Julius C.: USNM: 7 [7 - **7** - **7**].
Madagascar: Ampara Fara: Hoogstraal, Harry H.; Uilenberg, G.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1968: 8

14 May 1968

Cameroon: Saxenhof: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ghana: Gambaga: Geest, Julius C.: USNM: 11 [11 - **11** - **11**].
Madagascar: Ampara Fara: Hoogstraal, Harry H.; Uilenberg, G.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 14 May 1968: 14

16 May 1968

Botswana: Maun: ?: Collector Unknown: ROM: 1 [1]; Smithers, Reay Henry Noble: ROM: 2 [2]; Wilson, Vivian J.: AMNH: 7 [7 - **10** - **10**].
Ghana: Sakpa: Geest, Julius C.: USNM: 1 [1 - **1**] - Wulasi: Geest, Julius C.: USNM: 4 [4 - **4** - **5**].
Togo: Padori: LeDuc, James W.: USNM: 32 [32]; Robbins, C. Brian: USNM: 25 [25 - **57** - **57**].

Total Specimens for 16 May 1968: 72

17 May 1968

Botswana: Maun: Smithers, Reay Henry Noble: ROM: 1 [1]; Wilson, Vivian J.: AMNH: 1 [1 - **2** - **2**].
Ghana: Wulasi: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1968: 3

18 May 1968

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ghana: Wulasi: Geest, Julius C.: USNM: 4 [4 - **4** - **4**].
Kenya: Kejengole Route: Stager, Kenneth E.: LACM: 4 [4 - **4** - **4**].
Zambia: Naleza: ?: Collector Unknown: UZMZ: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1968: 10

19 May 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ghana: Wulasi: Geest, Julius C.: USNM: 6 [6 - **6** - **6**].
Kenya: Kejengole Route: Stager, Kenneth E.: LACM: 2 [2 - **2** - **2**].
Togo: Padori: LeDuc, James W.: USNM: 12 [12]; Robbins, C. Brian: USNM: 10 [10 - **22** - **22**].

Total Specimens for 19 May 1968: 31

20 May 1968

Botswana: Maun: Smithers, Reay Henry Noble: ROM: 1 [1]; Wilson, Vivian J.: AMNH: 2 [2 - **3** - **3**].
Cameroon: Tombel: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ghana: Wulasi: Geest, Julius C.: USNM: 4 [4 - **4** - **4**].
Kenya: Kejengole Route: Stager, Kenneth E.: LACM: 3 [3 - **3** - **3**].

Total Specimens for 20 May 1968: 12

21 May 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].
Ghana: Kokofu: Geest, Julius C.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 21 May 1968: 5

22 May 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Ghana: Kokofu: Geest, Julius C.: USNM: 3 [3 - **3** - **3**].
Togo: Péwa: LeDuc, James W.: USNM: 11 [11]; Robbins, C. Brian: USNM: 5 [5 - **16** - **16**].

Total Specimens for 22 May 1968: 20

24 May 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Togo: Péwa: LeDuc, James W.: USNM: 7 [7]; Robbins, C. Brian: USNM: 1 [1 - **8** - **8**].

Total Specimens for 24 May 1968: 9

25 May 1968

Togo: Péwa: LeDuc, James W.: USNM: 39 [39]; Robbins, C. Brian: USNM: 37 [37 - **76** - **76**].

Total Specimens for 25 May 1968: 76

26 May 1968

Cameroon: Bota: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].

Total Specimens for 26 May 1968: 2

27 May 1968

Togo: Pagala: Robbins, C. Brian: USNM: 3 [3 - **3** - **3**].

Total Specimens for 27 May 1968: 3

29 May 1968

Togo: Pagala: Robbins, C. Brian: USNM: 6 [6 - **6** - **6**].

Total Specimens for 29 May 1968: 6

30 May 1968

Togo: Pagala: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1968: 1

31 May 1968

South Africa: Mansiya Valley: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Togo: Pagala: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1968: 2

1 June 1968

Ethiopia: Agaro, 30 km from: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kenya: Central [former] province: ?: Collector Unknown: SMF: 1 [1 - **1**] - Nyeri: Williams, John George: ROM: 1 [1 - **1**] - Othaya: : SMF: 1 [1 - **1** - **3**].
Madagascar: Périnet, 1 mi S: Williams, A.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1968: 5

2 June 1968

Madagascar: Périnet, 1 mi S: Williams, A.E.: ROM: 2 [2 - **2** - **2**].
South Africa: Boegoeberg Dam, 0.5 mi E: Lambrechts, A.V.W.: USNM: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Williams, John George: ROM: 3 [3 - **3**] - Bunyoro: Williams, John George; Shortt, Terence Michael: ROM: 3 [3 - **3** - **6**].

Total Specimens for 2 June 1968: 9

3 June 1968

Madagascar: Périnet, 1 mi S: Williams, A.E.: ROM: 4 [4 - **4** - **4**].
Uganda: Budongo Forest: Williams, John George: ROM: 7 [7 - **7**] - Bunyoro: Williams, John George: ROM: 4 [4 - **4** - **11**].
Zambia: Naleza: ?: Collector Unknown: UZMZ: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1968: 16

4 June 1968

Cameroon: Yaoundé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kenya: Mount Nyiro: Stager, Kenneth E.: LACM: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Shortt, Terence Michael; Williams, A.E.: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2**] - Bunyoro: Williams, John George: ROM: 3 [3]; Williams, John George; Shortt, Terence Michael: ROM: 7 [7 - **10** - **12**].

Total Specimens for 4 June 1968: 14

5 June 1968

Uganda: Bunyoro: Williams, John George; *et al.*: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 9 [9 - **10** - **10**].

Total Specimens for 5 June 1968: 10

6 June 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Uganda: Budongo Forest: Shortt, Terence Michael: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2**] - Bunyoro: Williams, John George; Shortt, Terence Michael: ROM: 3 [3 - **3** - **5**].

Total Specimens for 6 June 1968: 7

7 June 1968

Seychelles: Aldabra Settlement: Frazier, Jack G.: BMNH: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Williams, John George; Shortt, Terence Michael: ROM: 10 [10 - **10**] - Bunyoro: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1** - **11**].

Total Specimens for 7 June 1968: 12

8 June 1968

Uganda: Budongo Forest: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - Bunyoro: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1** - **2**].

Total Specimens for 8 June 1968: 2

9 June 1968

Uganda: Budongo Forest: Williams, John George; Shortt, Terence Michael: ROM: 4 [4 - **4** - **4**].

Total Specimens for 9 June 1968: 4

10 June 1968

Ethiopia: Agaro, 10 km from: Dorst, Jean Pierre; *et al.*: ZMA: 1 [1 - **1**] - Agaro, 30 km from: Dorst, Jean Pierre; *et al.*: MNHN: 10 [10 - **10** - **11**].
Ghana: Prestea, 32 mi [=51.5 km] W: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
Madagascar: Analamazaotra forest, Périnet: Williams, A.E.: ROM: 1 [1 - **1**] - Saint Augustin: Williams, A.E.: ROM: 20 [20]; Williams, John George: ROM: 1 [1 - **21** - **22**].
Uganda: Budongo Forest: Shortt, Terence Michael; Williams, A.E.: ROM: 2 [2]; Williams, John George; Shortt, Terence Michael: ROM: 16 [16 - **18**] - Bunyoro: Williams, John George; Shortt, Terence Michael: ROM: 3 [3 - **3** - **21**].

Total Specimens for 10 June 1968: 55

11 June 1968

Ethiopia: Agaro, 10 km from: Dorst, Jean Pierre: MNHN: 3 [3 - **3** - **3**].
Uganda: Budongo Forest: Williams, John George; Shortt, Terence Michael: ROM: 23 [23 - **23**] - Bunyoro: Williams, John George; Shortt, Terence Michael: ROM: 3 [3 - **3** - **26**].

Total Specimens for 11 June 1968: 29

12 June 1968

Rwanda: Mugusa, mount: ?: Collector Unknown: RBINS: 3 [3 - **3** - **3**].
Uganda: Bunyoro: Shortt, Terence Michael; Williams, A.E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 12 June 1968: 5

13 June 1968

Uganda: Budongo Forest: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - Butiaba: Williams, John George; Shortt, Terence Michael: ROM: 18 [18 - **18** - **19**].

Total Specimens for 13 June 1968: 19

14 June 1968

Ethiopia: Agaro: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Agaro, 10 km from: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Uganda: Budongo Forest: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - Bunyoro: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1** - **2**].

Total Specimens for 14 June 1968: 4

15 June 1968

Madagascar: Fort Dauphin, 32 km NE: Williams, A.E.: ROM: 1 [1 - **1**] - Mandromondromotra River: Williams, A.E.: ROM: 2 [2 - **2** - **3**].
Uganda: Waisoke river: ?: Collector Unknown: ROM: 3 [3]; Shortt, Terence Michael; Williams, A.E.: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 8 [8 - **12** - **12**].

Total Specimens for 15 June 1968: 15

16 June 1968

Benin: Ayitedjou: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].
Ghana: Odomi Jongo: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
Madagascar: Fort Dauphin, 13 km NE: Williams, A.E.: ROM: 7 [7 - **7** - **7**].
Uganda: Bunyoro: Williams, John George; Shortt, Terence Michael: ROM: 16 [16 - **16** - **16**].

Total Specimens for 16 June 1968: 25

17 June 1968

Benin: Ayitedjou: LeDuc, James W.: USNM: 1 [1]; Robbins, C. Brian: USNM: 1 [1 - **2** - **2**].
Ghana: Odomi Jongo: Geest, Julius C.: USNM: 6 [6 - **6** - **6**].
Uganda: Bunyoro: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1968: 9

18 June 1968

Ghana: Odomi Jongo: Geest, Julius C.: USNM: 9 [9 - **9**] - Sakpa: Geest, Julius C.: USNM: 1 [1 - **1** - **10**].

Uganda: Bunyoro: Shortt, Terence Michael; Williams, A.E.: ROM: 2 [2 - **2**] - Sonsor river: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1** - **3**].

Total Specimens for 18 June 1968: 13

19 June 1968

Ghana: Odomi Jongo: Geest, Julius C.: USNM: 21 [21 - **21** - **21**].
Mozambique: Dondo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: ?: Collector Unknown: ROM: 2 [2]; Williams, John George; Shortt, Terence Michael: ROM: 3 [3 - **5**] - Sonsor river: ?: Collector Unknown: ROM: 5 [5]; Shortt, Terence Michael; Williams, A.E.: ROM: 11 [11]; Williams, John George: ROM: 1 [1]; Williams, John George; *et al.*: ROM: 2 [2]; Williams, John George; Shortt, Terence Michael: ROM: 7 [7 - **26** - **31**].

Total Specimens for 19 June 1968: 53

20 June 1968

Côte d'Ivoire: Abidjan: De Vree, Frits; De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].
Ghana: Odomi Jongo: Geest, Julius C.: USNM: 8 [8 - **8** - **8**].
Togo: Paio: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Shortt, Terence Michael; Williams, A.E.: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **2**] - Bunyoro: Shortt, Terence Michael; Williams, A.E.: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **2**] - Sonsor river: Shortt, Terence Michael; Williams, A.E.: ROM: 6 [6 - **6** - **10**].

Total Specimens for 20 June 1968: 22

21 June 1968

Benin: Kpodave: LeDuc, James W.: USNM: 3 [3]; Robbins, C. Brian: USNM: 9 [9 - **12** - **12**].
Ghana: Odomi Jongo: Geest, Julius C.: USNM: 9 [9 - **9** - **9**].
Uganda: Budongo Forest: Shortt, Terence Michael; Williams, A.E.: ROM: 2 [2]; Williams, John George; Shortt, Terence Michael: ROM: 2 [2 - **4**] - Bunyoro: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1** - **5**].

Total Specimens for 21 June 1968: 26

22 June 1968

Benin: Kpodave: LeDuc, James W.: USNM: 28 [28]; Robbins, C. Brian: USNM: 31 [31 - **59** - **59**].
Ghana: Odomi Jongo: Geest, Julius C.: USNM: 13 [13 - **13** - **13**].
Uganda: Budongo Forest: Williams, J.; Geraghty, P.; Shortt, Terence Michael: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 16 [16 - **17**] - Bunyoro: Shortt, Terence Michael; Williams, A.E.: ROM: 14 [14]; Williams, John George; *et al.*: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 10 [10 - **25** - **42**].

Total Specimens for 22 June 1968: 114

23 June 1968

Benin: Kpodave: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].
Côte d'Ivoire: Adiopodoumé: De Vree, Frits; De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6** - **6**].
Ghana: Odomi Jongo: Geest, Julius C.: USNM: 8 [8 - **8** - **8**].
Kenya: Naivasha, 10 mi [=16 km] W: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **5**].
Uganda: Budongo Forest: Williams, John George; Shortt, Terence Michael: ROM: 5 [5]; Williams, S.H.: ROM: 1 [1 - **6**] - Bunyoro: Shortt, Terence Michael; Williams, A.E.: ROM: 11 [11]; Williams, John George; *et al.*: ROM: 5 [5]; Williams, John George; Shortt, Terence Michael: ROM: 4 [4 - **20**] - Masindi: Williams, John George; Shortt, Terence Michael: ROM: 2 [2 - **2** - **28**].

Total Specimens for 23 June 1968: 48

24 June 1968

Benin: Kpodave: Robbins, C. Brian: USNM: 2 [2 - **2**] - Mono province: Robbins, C. Brian: USNM: 1 [1 - **1** - **3**].
Kenya: Athi River, 6 mi SE: Hayward, Bruce Joliffe: USNM: 10 [10 - **10** - **10**].
Uganda: Budongo Forest: Williams, John George; Shortt, Terence Michael: ROM: 6 [6 - **6**] - Bunyoro: Shortt, Terence Michael; Williams, A.E.: ROM: 20 [20]; Williams, John George; *et al.*: ROM: 5 [5]; Williams, John George; Shortt, Terence Michael: ROM: 2 [2 - **27**] - Masindi: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1** - **34**].

Total Specimens for 24 June 1968: 47

25 June 1968

Ghana: Leklebi Agbesia: Geest, Julius C.: USNM: 91 [91 - **91** - **91**].
Uganda: Budongo Forest: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - Bunyoro: Shortt, Terence Michael; Williams, A.E.: ROM: 2 [2 - **2**] - Masindi, near: Williams, John George; *et al.*: ROM: 1 [1 - **1** - **4**].

Total Specimens for 25 June 1968: 95

26 June 1968

Ghana: Leklebi Agbesia: Geest, Julius C.: USNM: 27 [27 - **27** - **27**].

Total Specimens for 26 June 1968: 27

27 June 1968

Ghana: Leklebi Agbesia: Geest, Julius C.: USNM: 40 [40 - **40** - **40**].
Kenya: Athi River, 6 mi SE: Hayward, Bruce Joliffe: USNM: 9 [9 - **9** - **9**].
Togo: Gbatope: LeDuc, James W.: USNM: 28 [28]; Robbins, C. Brian: USNM: 32 [32 - **60** - **60**].

Total Specimens for 27 June 1968: 109

28 June 1968

Ghana: Leklebi Agbesia: Geest, Julius C.: USNM: 13 [13 - **13** - **13**].
Togo: Gbatope: LeDuc, James W.: USNM: 20 [20]; Robbins, C. Brian: USNM: 17 [17 - **37** - **37**].

Total Specimens for 28 June 1968: 50

29 June 1968

Kenya: Karen: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **5**].

Total Specimens for 29 June 1968: 5

30 June 1968

Benin: Kpodave: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Ghana: Leklebi Agbesia: Geest, Julius C.: USNM: 5 [5 - **5** - **5**].
Kenya: Lake Naivasha: Williams, John George: ROM: 22 [22 - **22** - **22**].
Togo: Ezimé: LeDuc, James W.: USNM: 2 [2 - **2**] - Porto Séguro: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **6**].

Total Specimens for 30 June 1968: 34

1 July 1968

Burundi: Bujumbura: Lewall: RMCA: 5 [5 - **5** - **5**].
Kenya: Athi river: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **4**].
Liberia: Harbel: Taylor, Edward Harrison: KU: 1 [1 - **1** - **1**].
Togo: Ezimé: LeDuc, James W.: USNM: 4 [4]; Robbins, C. Brian: USNM: 10 [10 - **14** - **14**].
Zimbabwe: Pungwe-Ruva confluence: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1968: 25

2 July 1968

Kenya: Athi river: Hayward, Bruce Joliffe: USNM: 7 [7 - **7** - **7**].
Mozambique: Inhaminga: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Togo: Ezimé: LeDuc, James W.: USNM: 12 [12]; Robbins, C. Brian: USNM: 8 [8 - **20**] - Porto Séguro: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **22**].

Total Specimens for 2 July 1968: 30

3 July 1968

Ethiopia: Abyssinia: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Kenya: Kiambu: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Kiboko: Hayward, Bruce Joliffe: USNM: 15 [15 - **15** - **16**].

Total Specimens for 3 July 1968: 17

4 July 1968

Kenya: Kiambu: Hayward, Bruce Joliffe: USNM: 7 [7 - **7**] - Kiboko: Hayward, Bruce Joliffe: USNM: 58 [58 - **58**] - Kiboko, 12 mi [= 19 km] S: Hayward, Bruce Joliffe: USNM: 36 [36 - **36** - **101**].
Togo: Ezimé: Robbins, C. Brian: USNM: 8 [8 - **8** - **8**].

Total Specimens for 4 July 1968: 109

5 July 1968

Kenya: Kiboko: Hayward, Bruce Joliffe: USNM: 8 [8 - **8** - **8**].
Togo: Ezimé: LeDuc, James W.: USNM: 3 [3]; Robbins, C. Brian: USNM: 11 [11 - **14** - **14**].

Total Specimens for 5 July 1968: 22

6 July 1968

Kenya: Kiboko: Hayward, Bruce Joliffe: USNM: 7 [7 - **7** - **7**].
Rwanda: Simbi cave: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Togo: Porto Séguro: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 6 July 1968: 12

7 July 1968

Kenya: Mtito Andei: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].
Togo: Agou: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 7 July 1968: 2

8 July 1968

Kenya: Mtito Andei: Hayward, Bruce Joliffe: USNM: 49 [49 - **49**] - Mtito, Andei, 4 mi N: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **50**].
Togo: Agou: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1968: 51

9 July 1968

Kenya: Mtito Andei: Hayward, Bruce Joliffe: USNM: 38 [38 - **38** - **38**].
Namibia: Farm Waterberg 416: Buys, P.J.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1968: 39

10 July 1968

Ghana: Efeipo Krom: Geest, Julius C.: USNM: 1 [1 - **1**] - Yabraso: Geest, Julius C.: USNM: 1 [1 - **1** - **2**].
Kenya: Irima: Hayward, Bruce Joliffe: USNM: 20 [20 - **20**] - Kitale, 12 mi W: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Voi: Hayward, Bruce Joliffe: USNM: 5 [5 - **5**] - Voi, 2 mi [= 3.2 km] N: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **28**].
Togo: Nuatja: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 10 July 1968: 33

11 July 1968

Kenya: Kinu: Sillu, David M.: RMCA: 4 [4 - **4**] - Voi: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **8**].
Togo: Agou: LeDuc, James W.: USNM: 19 [19]; Robbins, C. Brian: USNM: 18 [18 - **37**] - Nuatja: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 13 [13 - **13** - **50**].
Zimbabwe: Pungwe-Ruva confluence: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].

Total Specimens for 11 July 1968: 61

12 July 1968

Kenya: Kibwezi: Hayward, Bruce Joliffe: USNM: 20 [20 - **20**] - Mbero Rocks: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **21**].
Togo: Nuatja: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 12 July 1968: 23

13 July 1968

Kenya: Kalama: Sillu, David M.: RMCA: 4 [4 - **4**] - Kalama, Mbero Rock: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - Kiboko: Hayward, Bruce Joliffe: USNM: 36 [36 - **36**] - Kiboko station: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Kivokwe Rock: Kyongo, Robert N.: LACM: 4 [4 - **4**] - Mbero Rock: Ithia, Julius M.K.: LACM: 4 [4 - **4** - **50**].
Togo: Nuatja: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 13 July 1968: 52

14 July 1968

Kenya: Kalama: Sillu, David M.: RMCA: 1 [1 - **1**] - Machakos district: Sillu, David M.: RMCA: 2 [2 - **2** - **3**].

Mozambique: Dondo Forest: Baddeley, M. St. C.: ROM: 3 [3 - **3** - **3**].
Togo: Atakpamé: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 28 [28 - **28** - **28**].

Total Specimens for 14 July 1968: 34

15 July 1968

Ghana: Efeipo Krom: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
Kenya: Elgon, Mount: Williams, John George: ROM: 1 [1 - **1** - **1**].
Mozambique: Dondo Forest: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].
Togo: Atakpamé: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1968: 4

16 July 1968

Kenya: Karen: Hayward, Bruce Joliffe: USNM: 16 [16 - **16**] - Karen, 10 mi]=16 km] SW: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **18**].
Mozambique: Dondo Forest: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].
Togo: Badou - Anonoe: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 21 [21 - **21** - **21**].

Total Specimens for 16 July 1968: 41

17 July 1968

Togo: Badou - Anonoe: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 40 [40 - **40** - **40**].

Total Specimens for 17 July 1968: 40

18 July 1968

Kenya: Karen: Hayward, Bruce Joliffe: USNM: 8 [8 - **8**] - Karen, 10 mi]=16 km] SW: Hayward, Bruce Joliffe: USNM: 25 [25 - **25** - **33**].
Togo: Badou - Anonoe: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 17 [17 - **17** - **17**].

Total Specimens for 18 July 1968: 50

19 July 1968

Togo: Badou - Anonoe: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 27 [27 - **27** - **27**].

Total Specimens for 19 July 1968: 27

20 July 1968

Togo: Atakpamé: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Badou - Anonoe: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 9 [9 - **9** - **10**].

Total Specimens for 20 July 1968: 10

21 July 1968

Kenya: Kampi Ya Samaki: Williams, John George: ROM: 2 [2 - **2**] - Kilanguni Lodge: Williams, John George: ROM: 10 [10 - **10** - **12**].

Total Specimens for 21 July 1968: 12

22 July 1968

Kenya: Menengai Crater, Mengengai cave: Hayward, Bruce Joliffe: USNM: 29 [29 - **29** - **29**].

Total Specimens for 22 July 1968: 29

23 July 1968

Kenya: Menengai Crater: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Menengai Crater, Mengengai cave: Hayward, Bruce Joliffe: USNM: 11 [11 - **11**] - Tsavo-East-NP: Williams, John George: ROM: 1 [1 - **1** - **13**].
Mozambique: Vila Machado: Baddeley, M. St. C.: ROM: 3 [3 - **3**] - Vila Mahado: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **4**].
South Africa: Hluhluwe-Imfolozi Park, HQ: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1968: 18

24 July 1968

Kenya: Kitale: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **2**].
Togo: Aledjo: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 24 July 1968: 5

25 July 1968

Kenya: Kitale: Hayward, Bruce Joliffe: USNM: 3 [3 - **3**] - Saboti, 3 mi [= 4.8 km] SE: Hayward, Bruce Joliffe: USNM: 52 [52 - **52** - **55**].
Togo: Aledjo: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 25 July 1968: 66

26 July 1968

Kenya: Lake Naivasha: Williams: ROM: 3 [3 - **3**] - Lokiri: Coe, Malcolm J.: BMNH: 1 [1 - **1** - **4**].
Togo: Aledjo: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 43 [43 - **43** - **43**].

Total Specimens for 26 July 1968: 47

27 July 1968

Kenya: Hoey's bridge: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Kitale: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - Sigor, 2 mi [=3.2 km] S: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **6**].
Togo: Aledjo: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 27 July 1968: 9

28 July 1968

Togo: Aledjo: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 16 [16 - **16** - **16**].

Total Specimens for 28 July 1968: 16

29 July 1968

Kenya: Kitale, 12 mi W: Hayward, Bruce Joliffe: USNM: 9 [9 - **9** - **9**].
Togo: Aledjo: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 29 July 1968: 15

30 July 1968

Kenya: Kitale, 12 mi W: Hayward, Bruce Joliffe: USNM: 48 [48 - **48**] - Meru: Williams, John George: ROM: 1 [1 - **1**] - Mount Elgon, E face: Barton, Miles: ROM: 2 [2 - **2** - **51**].
Togo: Aledjo: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 30 July 1968: 60

31 July 1968

Togo: Aledjo: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 31 July 1968: 4

1 August 1968

Kenya: Kitale: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Kitale, 12 mi W: Hayward, Bruce Joliffe: USNM: 12 [12 - **12** - **13**].
Togo: Aledjo: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 1 August 1968: 16

2 August 1968

Kenya: Kongelai, 3 mi S: Hayward, Bruce Joliffe: USNM: 14 [14 - **14** - **14**].

Total Specimens for 2 August 1968: 14

3 August 1968

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Kenya: Kongelai, 3 mi S: Hayward, Bruce Joliffe: USNM: 8 [8 - **8** - **8**].

Mozambique: Beira: Baddeley, M. St. C.: ROM: 4 [4 - **4** - **4**].
Somalia: Giohar: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1968: 14

4 August 1968

Kenya: Nakuchett: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **5**].
Somalia: Giohar: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1968: 6

5 August 1968

Mozambique: Beira: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].
Somalia: Giohar: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].
Uganda: Amudat: Hayward, Bruce Joliffe: USNM: 9 [9 - **9** - **9**].

Total Specimens for 5 August 1968: 12

6 August 1968

Mozambique: Beira: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].
Somalia: Giohar: ?: Collector Unknown: MZUF: 2 [2 - **2** - **2**].
Uganda: Amudat: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1968: 6

7 August 1968

Kenya: Endebess, 3 mi W: Hayward, Bruce Joliffe: USNM: 51 [51 - **51**] - Kalama: Sillu, David M.: RMCA: 1 [1 - **1**] - Lake Bogoria: Williams, A.E.: ROM: 2 [2 - **2**] - Mbero Rock: Kyongo, Robert N.: LACM: 1 [1 - **1**] - Mbero Rocks: Kyongo, Robert N.: LACM: 2 [2 - **2** - **57**].
Madagascar: Mistinjo: Koechlin, Bernard: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1968: 58

8 August 1968

Ghana: Abodomasi: Mensah, P.E.: ROM: 2 [2 - **2**] - Kumasi Agricultural Station: Mensah, P.E.: ROM: 1 [1 - **1** - **3**].
Kenya: Endebess, 3 mi W: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Igembe: Williams, John George: ROM: 41 [41 - **41**] - Kitale, 12 mi W: Hayward, Bruce Joliffe: USNM: 3 [3 - **3**] - Kongelai, 12 mi W: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **46**].

Total Specimens for 8 August 1968: 49

9 August 1968

Mozambique: Beira: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1968: 1

10 August 1968

Kenya: Kitale: Hayward, Bruce Joliffe: USNM: 11 [11 - **11**] - Kitale, 12 mi W: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Kongelai, 12 mi W: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **16**].
Mozambique: Beira: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1968: 17

11 August 1968

Kenya: Hoey's bridge: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Kitale: Hayward, Bruce Joliffe: USNM: 7 [7 - **7** - **8**].

Total Specimens for 11 August 1968: 8

12 August 1968

Kenya: Igembe: Williams, John George: ROM: 6 [6 - **6**] - Kilanguni Lodge: Williams, John George: ROM: 1 [1 - **1**] - Kitale, 25 mi [=40 km] NW: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **9**].
Zambia: Samfya: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1968: 10

13 August 1968

Kenya: Kitale: Hayward, Bruce Joliffe: USNM: 11 [11 - **11**] - Kitale, 12 mi W: Hayward, Bruce Joliffe: USNM: 3 [3 - **3** - **14**].
Togo: Nanergou: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 13 August 1968: 20

14 August 1968

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **3**].
Kenya: Mole: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Mount Elgon, E face: Barton, Miles: ROM: 9 [9 - **9** - **10**].
Togo: Nanergou: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 63 [63 - **63**] - no specific locality: Veronese, C.: RMCA: 1 [1 - **1** - **64**].

Total Specimens for 14 August 1968: 77

15 August 1968

Ethiopia: Mabil, 10 km W: Morris, P.; Great Abbai Expedition, the: BMNH: 2 [2 - **2** - **2**].
Ghana: Forest Reserve Ksi, town 5 km from: Mensah, P.E.: ROM: 2 [2 - **2**] - Lovi Camp: Cheke, R.A.: BMNH: 1 [1 - **1** - **3**].
Kenya: Cherangani Hills: Williams, John George: ROM: 10 [10 - **10**] - Mount Elgon, E face: Barton, Miles: ROM: 10 [10 - **10**] - Takaungu: ?: Collector Unknown: WAM: 1 [1 - **1** - **21**].
Togo: Nanergou: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 28 [28 - **28** - **28**].

Total Specimens for 15 August 1968: 54

16 August 1968

Togo: Nanergou: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 16 August 1968: 11

17 August 1968

Kenya: Kalama: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - Kitale, 10 mi [= 16 km] NE: Barton, Miles: ROM: 1 [1 - **1**] - Kitale, 16 km NE: Barton, Miles: ROM: 8 [8 - **8**] - Mbero Rock: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - Molo, 4 mi [=6.4 km] E: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **13**].
Togo: Dapango: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Nanergou: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Sansanné-Mango: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 19 [19 - **19** - **21**].

Total Specimens for 17 August 1968: 34

18 August 1968

Ethiopia: Mabil: Morris, P.; Great Abbai Expedition, the: BMNH: 5 [5 - **5**] - Mabil, 10 km W: Morris, P.; Great Abbai Expedition, the: BMNH: 1 [1 - **1** - **6**].
Kenya: Mount Elgon, E face: Barton, Miles: ROM: 1 [1 - **1** - **1**].
Togo: Sansanné-Mango: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1968: 8

19 August 1968

Ethiopia: Mabil, 10 km W: Morris, P.; Great Abbai Expedition, the: BMNH: 2 [2 - **2** - **2**].
Kenya: Nakuru: Hayward, Bruce Joliffe: USNM: 13 [13 - **13** - **13**].

Total Specimens for 19 August 1968: 15

20 August 1968

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Kenya: Kyamunyuu: : LACM: 1 [1 - **1**] - Nakuru: Hayward, Bruce Joliffe: USNM: 47 [47 - **47**] - Nakuru, 2 mi S: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **49**].

Total Specimens for 20 August 1968: 50

21 August 1968

Ethiopia: Azir River mouth: Morris, P.: BMNH: 3 [3 - **3** - **3**].
Kenya: Molo, 4 mi [=6.4 km] E: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **5**].
Togo: Paio: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 21 August 1968: 13

22 August 1968

Kenya: Mogotio, 3 mi [= 4.8 km] N: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **4**].
Togo: Baoulé: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - Paio: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 11 [11 - **11** - **12**].
Zambia: Ngoma: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1968: 17

23 August 1968

Kenya: Cherangani Mountains, Tangasia [= Tangasha] River: Williams, John George: ROM: 5 [5 - **5**] - Lake Hannigton, 3 mi W: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - Maji Moto: Hayward, Bruce Joliffe: USNM: 11 [11 - **11**] - Maji Moto, 3 mi W: Hayward, Bruce Joliffe; Harrington, L.: USNM: 1 [1 - **1** - **21**].
Togo: Paio: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 23 August 1968: 25

24 August 1968

Kenya: Lake Hannigton, 3 mi W: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Maji Mota: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - Maji Moto: Hayward, Bruce Joliffe: USNM: 24 [24 - **24** - **27**].

Total Specimens for 24 August 1968: 27

25 August 1968

Ghana: Sawla, 15 mi [=24 km]E: Cheke, R.A.: BMNH: 3 [3 - **3** - **3**].
Kenya: Baringo: Start, Anthony N.: WAM: 2 [2 - **2**] - Cherangani Mountains, Tangasia [= Tangasha] River: Williams, John George: ROM: 6 [6 - **6**] - Lake Hannington: Start, Anthony N.: WAM: 2 [2 - **2**] - Maji Mota: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Maji Moto: Hayward, Bruce Joliffe: USNM: 24 [24 - **24** - **35**].

Total Specimens for 25 August 1968: 38

26 August 1968

Kenya: Kampi Ya Samaki: Hayward, Bruce Joliffe: USNM: 6 [6 - **6**] - Kampy Ya Samaki, near: Hayward, Bruce Joliffe: USNM: 9 [9 - **9**] - Kornpuoamaki: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - Maragat, 15 mi [= 24 km] N: Hayward, Bruce Joliffe: USNM: 15 [15 - **15**] - Marigat: Hayward, Bruce Joliffe: USNM: 3 [3 - **3** - **34**].

Total Specimens for 26 August 1968: 34

27 August 1968

Kenya: Kampi Ya Samaki: Hayward, Bruce Joliffe: USNM: 35 [35]; Start, Anthony N.: WAM: 1 [1 - **36**] - Maragat, 15 mi [= 24 km] N: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **40**].

Total Specimens for 27 August 1968: 40

28 August 1968

Côte d'Ivoire: Korhogo: Ailanjian, J.M.: LACM: 1 [1]; Ailanjian, M.D.: LACM: 1 [1 - **2** - **2**].
Ghana: Busunu: Mensah, P.E.: ROM: 1 [1 - **1**] - Sawla, 15 mi [=24 km]E: Cheke, R.A.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for 28 August 1968: 4

29 August 1968

Togo: Binaparba: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 29 August 1968: 8

30 August 1968

Kenya: Igembe: Williams, John George: ROM: 15 [15 - **15** - **15**].
Togo: Binaparba: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 30 August 1968: 21

31 August 1968

Togo: Malfakassa: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1968: 1

1 September 1968

Kenya: Kakamega Forest: Glen, Robert M.: ROM: 105 [105 - **105**] - Kitale: Glen, Robert M.: ROM: 1 [1 - **1** - **106**].

Total Specimens for 1 September 1968: 106

3 September 1968

Botswana: Maun: ?: Collector Unknown: ROM: 2 [2 - **2** - **2**].
Ghana: Damongo, 1 mi [=1.6 km] NE: Cheke, R.A.: BMNH: 5 [5 - **5** - **5**].

Total Specimens for 3 September 1968: 7

6 September 1968

Mozambique: Lagoa De Ura: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 6 September 1968: 2

7 September 1968

Mozambique: Lagoa De Ura: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].
Somalia: Giohar: ?: Collector Unknown: MZUF: 2 [2 - **2** - **2**].
Togo: Atakpamé: Veronese, C.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 7 September 1968: 11

8 September 1968

Mozambique: Lagoa De Ura: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].
Togo: Atakpamé: Veronese, C.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 8 September 1968: 5

9 September 1968

Togo: Atakpamé: Veronese, C.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 9 September 1968: 10

10 September 1968

Kenya: Kaibibich: Williams, John George: ROM: 1 [1 - **1**] - Marun River: Williams, John George: ROM: 1 [1 - **1** - **2**].
Togo: Atakpamé: Veronese, C.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 10 September 1968: 8

11 September 1968

Togo: Atakpamé: Veronese, C.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 11 September 1968: 2

12 September 1968

Kenya: Mbero Rock: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Togo: Atakpamé: Veronese, C.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 12 September 1968: 8

13 September 1968

Ghana: Legon: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Kenya: Mbero Rock: ?: Collector Unknown: LACM: 4 [4]; Ithia, Julius M.K.: LACM: 1 [1 - **5** - **5**].
Togo: Atakpamé: Veronese, C.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 13 September 1968: 9

14 September 1968

Kenya: Mbero Rock: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Togo: Atakpamé: Veronese, C.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 September 1968: 3

15 September 1968

Kenya: Mbero Rock: ?: Collector Unknown: LACM: 4 [4]; Ithia, Julius M.K.: LACM: 2 [2 - **6**] - Mbero Rocks: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **7**].
Togo: Tchonou: Veronese, C.: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 15 September 1968: 16

16 September 1968

Togo: Tchonou: Veronese, C.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 16 September 1968: 8

17 September 1968

Togo: Atakpamé: Veronese, C.: RMCA: 5 [5 - **5**] - Tchonou: Veronese, C.: RMCA: 11 [11 - **11** - **16**].
Uganda: Bunyoro: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 17 September 1968: 18

18 September 1968

Togo: Atakpamé: Veronese, C.: RMCA: 5 [5 - **5**] - Tchonou: Veronese, C.: RMCA: 6 [6 - **6** - **11**].
Uganda: Karamoja: Williams, John George: ROM: 36 [36 - **36** - **36**].

Total Specimens for 18 September 1968: 47

19 September 1968

Togo: Atakpamé: Veronese, C.: RMCA: 3 [3 - **3**] - Tchonou: Veronese, C.: RMCA: 6 [6 - **6** - **9**].
Uganda: Sonsor river: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1** - **1**].

Total Specimens for 19 September 1968: 10

20 September 1968

Togo: Atakpamé: Veronese, C.: RMCA: 2 [2 - **2**] - Tchonou: Veronese, C.: RMCA: 2 [2 - **2** - **4**].

Total Specimens for 20 September 1968: 4

21 September 1968

Côte d'Ivoire: Korhogo Dept: Ailanjian, M.D.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1968: 1

22 September 1968

Togo: Adjido: Veronese, C.: RMCA: 28 [28 - **28** - **28**].

Total Specimens for 22 September 1968: 28

23 September 1968

Ghana: Legon: Robbins, Lynn W.: USNM: 5 [5]; Vaden, R.E.: USNM: 6 [6 - **11**] - University of Ghana: Vaden, R.E.: USNM: 1 [1 - **1** - **12**].
Togo: Adjido: Veronese, C.: RMCA: 20 [20 - **20**] - Atakpamé: Veronese, C.: RMCA: 3 [3 - **3** - **23**].

Total Specimens for 23 September 1968: 35

24 September 1968

Ghana: Legon: Robbins, Lynn W.: USNM: 6 [6]; Vaden, R.E.: USNM: 7 [7 - **13** - **13**].
Togo: Adjido: Veronese, C.: RMCA: 5 [5 - **5**] - Atakpamé: Veronese, C.: RMCA: 5 [5 - **5** - **10**].

Total Specimens for 24 September 1968: 23

25 September 1968

Ethiopia: Awash National Park: Morris, P.; Great Abbai Expedition, the: BMNH: 2 [2 - **2** - **2**].
Ghana: Legon: Robbins, Lynn W.: USNM: 2 [2]; Vaden, R.E.: USNM: 3 [3 - **5** - **5**].
South Africa: old mine near Doodskloof river: Haacke, W.D.: TM: 2 [2 - **2** - **2**].
Togo: Atakpamé: Veronese, C.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 September 1968: 11

27 September 1968

Ethiopia: Awash National Park: Morris, P.; Great Abbai Expedition, the: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1968: 1

28 September 1968

Ethiopia: Awash National Park: Morris, P.; Great Abbai Expedition, the: BMNH: 4 [4 - **4** - **4**].
Ghana: Legon: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Togo: Atakpamé: Veronese, C.: RMCA: 4 [4 - **4**] - Témédja: Veronese, C.: RMCA: 6 [6 - **6** - **10**].

Total Specimens for 28 September 1968: 15

29 September 1968

Togo: Kamina: Veronese, C.: RMCA: 14 [14 - **14**] - Témédja: Veronese, C.: RMCA: 7 [7 - **7** - **21**].

Total Specimens for 29 September 1968: 21

30 September 1968

Togo: Kamina: Veronese, C.: RMCA: 7 [7 - **7**] - Témédja: Veronese, C.: RMCA: 4 [4 - **4** - **11**].

Total Specimens for 30 September 1968: 11

1 October 1968

Ghana: Legon: Vaden, R.E.: USNM: 3 [3 - **3** - **3**].
Togo: Atakpamé: Veronese, C.: RMCA: 3 [3 - **3**] - Evou: Veronese, C.: RMCA: 14 [14 - **14**] - Témédja: Veronese, C.: RMCA: 3 [3 - **3** - **20**].

Total Specimens for 1 October 1968: 23

2 October 1968

Togo: Atakpamé: Veronese, C.: RMCA: 1 [1 - **1**] - Evou: Veronese, C.: RMCA: 9 [9 - **9**] - Témédja: Veronese, C.: RMCA: 6 [6 - **6** - **16**].

Total Specimens for 2 October 1968: 16

3 October 1968

Togo: Evou: Veronese, C.: RMCA: 14 [14 - **14**] - Témédja: Veronese, C.: RMCA: 2 [2 - **2** - **16**].

Total Specimens for 3 October 1968: 16

4 October 1968

Togo: Atakpamé: Veronese, C.: RMCA: 2 [2 - **2**] - Evou: Veronese, C.: RMCA: 5 [5 - **5**] - Témédja: Veronese, C.: RMCA: 8 [8 - **8** - **15**].

Total Specimens for 4 October 1968: 15

5 October 1968

Togo: Ebéva: Veronese, C.: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 5 October 1968: 14

7 October 1968

Ghana: Legon: Robbins, Lynn W.: USNM: 11 [11]; Vaden, R.E.: USNM: 7 [7 - **18** - **18**].
Mozambique: Zinave: Van Gelder, Richard George: AMNH: 2 [2 - **2** - **2**].

Togo: Ebéva: Veronese, C.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 7 October 1968: 22

8 October 1968

Togo: Ebéva: Veronese, C.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1968: 1

9 October 1968

Ghana: Oda: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].
Togo: Ebéva: Veronese, C.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 9 October 1968: 4

10 October 1968

Ghana: Oda: Robbins, Lynn W.: USNM: 3 [3]; Setzer, Henry W.: USNM: 2 [2]; Vaden, R.E.: USNM: 3 [3 - **8** - **8**].

Total Specimens for 10 October 1968: 8

11 October 1968

Ghana: Oda: Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1]; Setzer, Henry W.: USNM: 2 [2]; Vaden, R.E.: USNM: 3 [3 - **7** - **7**].
Mozambique: Zinave: Van Gelder, Richard George: AMNH: 1 [1 - **1** - **1**].
Tanzania: Arusha-NP, Mt. Meru, Ngongargare Forest: Vesey-FitzGerald, Leslie Desmond Edward Foster: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 11 October 1968: 10

12 October 1968

Ghana: Oda: Setzer, Henry W.: USNM: 2 [2 - **2** - **2**].
Morocco: Unknown locality: ?: Collector Unknown: SMF: 10 [10 - **10** - **10**].
Mozambique: Gupata, ca. 50 mi. NE. Zinave: Van Gelder, Richard George: AMNH: 1 [1 - **1**] - Nogochene caves: Van Gelder, Richard George: AMNH: 29 [29 - **29**] - Zinave, 30 mi NE: Van Gelder, Richard George: AMNH: 1 [1 - **1** - **31**].
Togo: Atakpamé: Veronese, C.: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 12 October 1968: 48

13 October 1968

Ghana: Oda: LeDuc, James W.: USNM: 16 [16]; Robbins, Lynn W.: USNM: 7 [7]; Setzer, Henry W.: USNM: 7 [7]; Vaden, R.E.: USNM: 7 [7 - **37** - **37**].
Togo: Lomnava: Veronese, C.: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 13 October 1968: 51

14 October 1968

Ghana: Oda: Setzer, Henry W.: USNM: 2 [2]; Vaden, R.E.: USNM: 5 [5 - **7** - **7**].

Total Specimens for 14 October 1968: 7

15 October 1968

Ghana: Oda: Robbins, Lynn W.: USNM: 7 [7]; Vaden, R.E.: USNM: 7 [7 - **14** - **14**].
Togo: Atakpamé: Veronese, C.: RMCA: 22 [22 - **22** - **22**].

Total Specimens for 15 October 1968: 36

16 October 1968

Togo: Atakpamé: Veronese, C.: RMCA: 18 [18 - **18** - **18**].

Total Specimens for 16 October 1968: 18

17 October 1968

Ghana: Achimota: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].
Mozambique: Zinave: Van Gelder, Richard George: AMNH: 1 [1 - **1** - **1**].

Togo: Kamina: Veronese, C.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 17 October 1968: 9

18 October 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 4 [4 - **4** - **4**].
Togo: Kamina: Veronese, C.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 18 October 1968: 7

19 October 1968

Togo: Kamina: Veronese, C.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 19 October 1968: 8

20 October 1968

Togo: Kamina: Veronese, C.: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 20 October 1968: 11

21 October 1968

Uganda: Budongo Forest: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1968: 1

22 October 1968

Kenya: Ruivi [= Ruaraka]: Baum, H.: SMF: 1 [1 - **1** - **1**].
Uganda: Bunyoro: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 22 October 1968: 3

23 October 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 23 October 1968: 1

24 October 1968

Togo: Atakpamé: Veronese, C.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 24 October 1968: 4

26 October 1968

Togo: Akposso: Veronese, C.: RMCA: 13 [13 - **13** - **13**].

Total Specimens for 26 October 1968: 13

27 October 1968

Togo: Akposso: Veronese, C.: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 27 October 1968: 12

28 October 1968

Togo: Akposso: Veronese, C.: RMCA: 16 [16 - **16** - **16**].

Total Specimens for 28 October 1968: 16

29 October 1968

Nigeria: Yo: Jones, Theo Simpson: ROM: 22 [22 - **22** - **22**].
Togo: Akposso: Veronese, C.: RMCA: 33 [33 - **33** - **33**].

Total Specimens for 29 October 1968: 55

1 November 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2**] - Gitega: Niort, P.L.: MHNG: 2 [2 - **2** - **4**].

Total Specimens for 1 November 1968: 4

3 November 1968

Kenya: Kilifi: Lanza, Benedetto Giuseppe Antonio: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1968: 1

4 November 1968

Uganda: Mongiro: Williams, A.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1968: 1

5 November 1968

Togo: Atakpamé: Veronese, C.: RMCA: 59 [59 - **59** - **59**].

Total Specimens for 5 November 1968: 59

7 November 1968

Uganda: Ntandi: Williams, A.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1968: 1

8 November 1968

Burkina Faso: Nobéré, 9 mi S: Setzer, Henry W.: USNM: 2 [2 - **2** - **2**].
Uganda: Ntandi: Williams, A.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1968: 3

9 November 1968

Burkina Faso: Nobéré, 9 mi S: Vaden, R.E.: USNM: 4 [4 - **4** - **4**].
Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1968: 5

10 November 1968

Burkina Faso: Nobéré, 9 mi S: Vaden, R.E.: USNM: 3 [3 - **3** - **3**].
Burundi: Bujumbura: Lewall: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1968: 4

11 November 1968

Central African Republic: Bangui: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Togo: Atakpamé: Veronese, C.: RMCA: 2 [2 - **2**] - Evou - Akodegbe: Veronese, C.: RMCA: 14 [14 - **14** - **16**].

Total Specimens for 11 November 1968: 18

12 November 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Togo: Atakpamé: Veronese, C.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 12 November 1968: 9

13 November 1968

Burkina Faso: Arly: Vaden, R.E.: USNM: 1, ZMA: 1 [2 - **2** - **2**].
Togo: Evou - Akodegbe: Veronese, C.: RMCA: 17 [17 - **17** - **17**].

Total Specimens for 13 November 1968: 19

14 November 1968

Burkina Faso: Arly: Vaden, R.E.: RMCA: 1, USNM: 41 [42 - **42**] - Arly National Park: Vaden, R.E.: USNM: 39 [39 - **39** - **81**].
Guinea: Kankasili and Souguéta, between: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].
Togo: Evou - Akodegbe: Veronese, C.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 14 November 1968: 92

15 November 1968

Togo: Kodegbe: Veronese, C.: RMCA: 11 [11 - **11** - **11**].
Uganda: Ntandi: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1968: 12

16 November 1968

Burundi: Russissi, bank [=Rusizi delta]: Lewall: RMCA: 1 [1 - **1** - **1**].
Togo: Evou - Akodegbe: Veronese, C.: RMCA: 1 [1 - **1**] - Kodegbe: Veronese, C.: RMCA: 3 [3 - **3** - **4**].

Total Specimens for 16 November 1968: 5

17 November 1968

Ghana: Wenchi: Mensah, P.E.: ROM: 7 [7 - **7** - **7**].
Togo: Adina: Veronese, C.: RMCA: 16 [16 - **16** - **16**].

Total Specimens for 17 November 1968: 23

18 November 1968

Burkina Faso: Goden: Vaden, R.E.: RMCA: 1, USNM: 32 [33 - **33** - **33**].
Togo: Adina: Veronese, C.: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 18 November 1968: 42

19 November 1968

Burkina Faso: Goden: Vaden, R.E.: RMCA: 4, USNM: 53 [57 - **57** - **57**].
Togo: Adina: Veronese, C.: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 19 November 1968: 68

20 November 1968

Togo: Adina: Veronese, C.: RMCA: 2 [2 - **2** - **2**].
Uganda: Ntandi, W: : LACM: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1968: 3

21 November 1968

Togo: Adina: Veronese, C.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 21 November 1968: 7

22 November 1968

Togo: Adina: Veronese, C.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 22 November 1968: 6

23 November 1968

Togo: Adina: Veronese, C.: RMCA: 13 [13 - **13** - **13**].

Total Specimens for 23 November 1968: 13

24 November 1968

Togo: Adina: Veronese, C.: RMCA: 25 [25 - **25** - **25**].

Total Specimens for 24 November 1968: 25

25 November 1968

South Africa: American cave: ?: Collector Unknown: BRTC: 3 [3 - **3** - **3**].
Togo: Adina: Veronese, C.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 25 November 1968: 11

26 November 1968

South Africa: Kalahari-Gemsbok NP, Nossob Camp: Lambrechts, A.V.W.: USNM: 1 [1 - **1** - **1**].
Togo: Adina: Veronese, C.: RMCA: 15 [15 - **15** - **15**].
Uganda: Bundimusuba: Glen, Robert M.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1968: 17

27 November 1968

Togo: Adina: Veronese, C.: RMCA: 3 [3 - **3**] - Ezimé: Veronese, C.: RMCA: 36 [36 - **36** - **39**].

Total Specimens for 27 November 1968: 39

28 November 1968

Côte d'Ivoire: Banco, forêt de: LeDuc, James W.: USNM: 6 [6 - **6** - **6**].
Togo: Ezimé: Veronese, C.: RMCA: 32 [32 - **32** - **32**].
Zambia: Ngoma: : NMZL: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1968: 39

29 November 1968

Togo: Ezimé: Veronese, C.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 29 November 1968: 10

30 November 1968

Côte d'Ivoire: Banco Forest: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Togo: Ezimé: Veronese, C.: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 30 November 1968: 15

1 December 1968

Guinea: Kankasili and Souguéta, between: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **1**].
Togo: Koutoukpa: Veronese, C.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 1 December 1968: 8

2 December 1968

Togo: Koutoukpa: Veronese, C.: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 2 December 1968: 5

3 December 1968

South Africa: eGodeni: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Togo: Koutoukpa: Veronese, C.: RMCA: 17 [17 - **17** - **17**].

Total Specimens for 3 December 1968: 18

4 December 1968

Congo (Democratic Republic of the): Kingulube: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Togo: Unknown locality: Veronese, C.: RMCA: 1 [1 - **1**] - Koutoukpa: Veronese, C.: RMCA: 11 [11 - **11** - **12**].
Uganda: Bwamba Forest, Humia: Williams, A.: LACM: 5 [5 - **5** - **5**].

Total Specimens for 4 December 1968: 18

5 December 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 3 [3 - **3** - **3**].

Togo: Edifou: Veronese, C.: RMCA: 8 [8 - **8**] - Koutoukpa: Veronese, C.: RMCA: 6 [6 - **6** - **14**].

Total Specimens for 5 December 1968: 17

6 December 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Côte d'Ivoire: Adiopodoumé: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Togo: Edifou: Veronese, C.: RMCA: 25 [25 - **25**] - Koutoukpa: Veronese, C.: RMCA: 8 [8 - **8** - **33**].

Total Specimens for 6 December 1968: 35

7 December 1968

Togo: Edifou: Veronese, C.: RMCA: 15 [15 - **15** - **15**].

Total Specimens for 7 December 1968: 15

8 December 1968

Togo: Edifou: Veronese, C.: RMCA: 18 [18 - **18** - **18**].

Total Specimens for 8 December 1968: 18

9 December 1968

Burkina Faso: Natiaboani: Vaden, R.E.: RMCA: 3, USNM: 1 [4 - **4** - **4**].
Togo: Edifou: Veronese, C.: RMCA: 18 [18 - **18** - **18**].

Total Specimens for 9 December 1968: 22

10 December 1968

Burkina Faso: Natiaboani: Vaden, R.E.: RMCA: 2, USNM: 24 [26 - **26** - **26**].
Togo: Edifou: Veronese, C.: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 10 December 1968: 40

11 December 1968

Burkina Faso: Natiaboani: Vaden, R.E.: RMCA: 1, USNM: 39 [40 - **40** - **40**].
Côte d'Ivoire: Yapo-Sud: Robbins, Lynn W.: USNM: 3 [3 - **3** - **3**].
Togo: Edifou: Veronese, C.: RMCA: 13 [13 - **13** - **13**].

Total Specimens for 11 December 1968: 56

12 December 1968

Burkina Faso: Natiaboani: Vaden, R.E.: USNM: 67 [67 - **67** - **67**].
Togo: Edifou: Veronese, C.: RMCA: 22 [22 - **22** - **22**].

Total Specimens for 12 December 1968: 89

13 December 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Côte d'Ivoire: Yapo-Sud: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Togo: Edifou: Veronese, C.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 13 December 1968: 12

14 December 1968

Burkina Faso: Natiaboani: Vaden, R.E.: USNM: 4, ZMA: 1 [5 - **5** - **5**].
Congo (Democratic Republic of the): Kingulube: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Togo: Edifou: Veronese, C.: RMCA: 15 [15 - **15** - **15**].

Total Specimens for 14 December 1968: 21

15 December 1968

Togo: Edifou: Veronese, C.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 15 December 1968: 7

16 December 1968

Togo: Edifou: Veronese, C.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 16 December 1968: 8

17 December 1968

South Africa: eGodeni: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Togo: Edifou: Veronese, C.: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 17 December 1968: 13

18 December 1968

Guinea: cave, Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1**] - Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **2**].
Togo: Edifou: Veronese, C.: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 18 December 1968: 13

19 December 1968

Côte d'Ivoire: Anda: LeDuc, James W.: RMCA: 1 [1]; Robbins: RMCA: 1 [1 - **2** - **2**].
Togo: Edifou: Veronese, C.: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 19 December 1968: 13

20 December 1968

Malawi: Nsanje: Irwin, R.J.: KU: 2 [2 - **2** - **2**].
Togo: Adina: Veronese, C.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 20 December 1968: 8

21 December 1968

Malawi: Nsanje: Irwin, R.J.: KU: 1 [1 - **1** - **1**].
Togo: Adina: Veronese, C.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 21 December 1968: 5

22 December 1968

Côte d'Ivoire: Jacqueville: LeDuc, James W.: USNM: 2 [2 - **2** - **2**].
Ghana: Ankasi: Mensah, P.E.: ROM: 12 [12 - **12** - **12**].
Togo: Adina: Veronese, C.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 22 December 1968: 21

23 December 1968

Togo: Adina: Veronese, C.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 23 December 1968: 2

26 December 1968

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Ishango River: Lejeune, M.: RMCA: 70 [70 - **70** - **70**].

Total Specimens for 26 December 1968: 71

30 December 1968

Ghana: Wenchi: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1968: 1

31 December 1968

Burundi: Mpinga cave: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 31 December 1968: 2

1 January 1969

Burundi: Mpinga cave: Niort, P.L.: MHNG: 10 [10 - **10** - **10**].
Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 4 [4 - **4** - **4**].
Côte d'Ivoire: Unknown locality: Parelius, Daniel Arthur: FMNH: 6 [6 - **6**] - Kadioa, near: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **8**].
Ethiopia: Abiata, Lake, E coast: Largen, M.J.: SMF: 1 [1 - **1** - **1**].
Kenya: Unknown locality: Barton, Miles: ROM: 9 [9 - **9** - **9**].
Madagascar: Analamazaotra forest, Périnet: Benedicte, R.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1969: 33

2 January 1969

Congo (Democratic Republic of the): Kasapa: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1969: 1

3 January 1969

Burundi: Kibimba: Niort, P.L.: MHNG: 2 [2 - **2**] - Nyankanda: Niort, P.L.: MHNG: 3 [3 - **3** - **5**].
Ghana: Legon university: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1969: 6

4 January 1969

Togo: Atakpamé: Veronese, C.: RMCA: 24 [24 - **24** - **24**].

Total Specimens for 4 January 1969: 24

5 January 1969

Ghana: Bekwai Ash: Mensah, P.E.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 5 January 1969: 6

8 January 1969

Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1969: 1

10 January 1969

Côte d'Ivoire: Ehania: LeDuc, James W.: RMCA: 1 [1]; Robbins, Lynn W.: RMCA: 1 [1 - **2** - **2**].

Total Specimens for 10 January 1969: 2

11 January 1969

Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 2 [2 - **2** - **2**].
Ghana: Wenchi: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Niger: Niamey: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1969: 4

12 January 1969

Côte d'Ivoire: Ehania: LeDuc, James W.: USNM: 2 [2]; Robbins, Lynn W.: RMCA: 1, USNM: 1 [2 - **4** - **4**].
South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1969: 5

13 January 1969

Ghana: Unknown locality: Mensah, P.E.: ROM: 1 [1 - **1**] - Kumasi, 17 mi [=27 km] from: Mensah, P.E.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 13 January 1969: 2

14 January 1969

Congo (Democratic Republic of the): Kasapa: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Côte d'Ivoire: Ehania: Robbins, Lynn W.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1969: 2

15 January 1969

Burkina Faso: Ouagadougou: Vaden, R.E.: USNM: 14 [14 - **14** - **14**].
Ghana: MomPort: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1969: 15

16 January 1969

Burkina Faso: Ouagadougou: Vaden, R.E.: USNM: 10 [10 - **10** - **10**].
Ghana: Kumasi, 17 mi [=27 km] from: Mensah, P.E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 16 January 1969: 12

17 January 1969

Burkina Faso: Ouagadougou: Vaden, R.E.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 17 January 1969: 2

18 January 1969

Côte d'Ivoire: Blékoum: LeDuc, James W.: USNM: 1 [1]; Robbins: RMCA: 1 [1 - **2** - **2**].

Total Specimens for 18 January 1969: 2

19 January 1969

South Africa: Stolzenfels, Orange R: Graupner, O.F.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 19 January 1969: 2

20 January 1969

Kenya: Mount Elgon, E face: Barton, Miles: ROM: 2 [2 - **2** - **2**].

Total Specimens for 20 January 1969: 2

21 January 1969

Côte d'Ivoire: Blékoum: LeDuc, James W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 21 January 1969: 2

25 January 1969

Burkina Faso: Tatarko: Vaden, R.E.: RMCA: 1, USNM: 18 [19 - **19** - **19**].
South Africa: Good house Bay: Lambrechts, A.V.W.: USNM: 12 [12 - **12** - **12**].

Total Specimens for 25 January 1969: 31

26 January 1969

Burkina Faso: Tatarko: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1969: 1

27 January 1969

Burkina Faso: Tatarko: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1969: 1

29 January 1969

Côte d'Ivoire: Lamto: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Kenya: Lake Naivasha: Barton, Miles: ROM: 6 [6 - **6** - **6**].

Total Specimens for 29 January 1969: 7

30 January 1969

Burkina Faso: Pétoye: Vaden, R.E.: USNM: 45 [45 - **45** - **45**].

Total Specimens for 30 January 1969: 45

31 January 1969

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1969: 1

1 February 1969

Togo: Atakpamé: Veronese, C.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 1 February 1969: 10

2 February 1969

Kenya: Mount Elgon: Barton, Miles: ROM: 12 [12 - **12**] - Mount Elgon, E face: Barton, Miles: ROM: 13 [13 - **13** - **25**].

Total Specimens for 2 February 1969: 25

4 February 1969

Burkina Faso: Markoye, 30 km N: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].
Togo: Odjolo: Veronese, C.: RMCA: 15 [15 - **15** - **15**].

Total Specimens for 4 February 1969: 16

5 February 1969

Botswana: Ngamiland: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - Shakawe: Larson, Thomas ("Tom"): AMNH: 18 [18 - **18**] - Shakawe, near: Larson, Thomas ("Tom"): AMNH: 7 [7 - **7** - **26**].
Kenya: North-East face of Mount Elgon: Barton, Miles: ROM: 7 [7 - **7** - **7**].
Togo: Mono-Atchinedji: Veronese, C.: RMCA: 1 [1 - **1**] - Odjolo: Veronese, C.: RMCA: 16 [16 - **16** - **17**].

Total Specimens for 5 February 1969: 50

6 February 1969

Kenya: Mount Elgon, E face: Barton, Miles: ROM: 3 [3 - **3**] - North-East face of Mount Elgon: Barton, Miles: ROM: 18 [18 - **18** - **21**].
Togo: Odjolo: Veronese, C.: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 6 February 1969: 35

7 February 1969

Togo: Odjolo: Veronese, C.: RMCA: 29 [29 - **29** - **29**].

Total Specimens for 7 February 1969: 29

8 February 1969

Burkina Faso: Gorgadji, 17 km E: Vaden, R.E.: USNM: 6 [6 - **6** - **6**].
Kenya: Mount Elgon, E face: Barton, Miles: ROM: 4 [4 - **4** - **4**].
Togo: Odjolo: Veronese, C.: RMCA: 27 [27 - **27** - **27**].

Total Specimens for 8 February 1969: 37

9 February 1969

Kenya: Mukanda river: Williams, John George: ROM: 4 [4 - **4**] - Shimba Hills Nature Reserve: ?: Collector Unknown: ROM: 1 [1 - **1** - **5**].
Togo: Odjolo: Veronese, C.: RMCA: 42 [42 - **42** - **42**].

Total Specimens for 9 February 1969: 47

10 February 1969

Burkina Faso: Gorgadji, 17 km E: Vaden, R.E.: USNM: 5 [5 - **5** - **5**].

Togo: Odjolo: Veronese, C.: RMCA: 19 [19 - **19** - **19**].

Total Specimens for 10 February 1969: 24

11 February 1969

Kenya: Lutore forest: Williams, A.E.: ROM: 1 [1 - **1** - **1**].
Togo: Odjolo: Veronese, C.: RMCA: 22 [22 - **22** - **22**].

Total Specimens for 11 February 1969: 23

12 February 1969

Burkina Faso: Boussouma, 5 km N: Vaden, R.E.: USNM: 3 [3 - **3** - **3**].
Togo: Odjolo: Veronese, C.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 12 February 1969: 10

13 February 1969

Kenya: Lutore forest: Williams: ROM: 5 [5 - **5** - **5**].
Togo: Odjolo: Veronese, C.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 13 February 1969: 13

14 February 1969

Kenya: Kimmilli: Barton, Miles: ROM: 9 [9 - **9** - **9**].
Togo: Odjolo: Veronese, C.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 February 1969: 11

15 February 1969

South Africa: eGodeni: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1969: 1

17 February 1969

Kenya: Mukanda river: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1969: 1

18 February 1969

Côte d'Ivoire: Sassandra River: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **2**].
Kenya: Mukanda river: Williams, John George: ROM: 1 [1 - **1**] - Shimba Hills Nature Reserve: ?: Collector Unknown: ROM: 1 [1 - **1** - **2**].

Total Specimens for 18 February 1969: 4

19 February 1969

Kenya: Shimba Hills Nature Reserve: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Togo: Evou: Veronese, C.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1969: 2

20 February 1969

Togo: Evou: Veronese, C.: RMCA: 13 [13 - **13** - **13**].

Total Specimens for 20 February 1969: 13

21 February 1969

Togo: Evou: Veronese, C.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 21 February 1969: 10

22 February 1969

Burkina Faso: Dio: Vaden, R.E.: USNM: 10 [10 - **10** - **10**].

Togo: Evou: Veronese, C.: RMCA: 23 [23 - **23** - **23**].

Total Specimens for 22 February 1969: 33

23 February 1969

Togo: Evou: Veronese, C.: RMCA: 25 [25 - **25** - **25**].

Total Specimens for 23 February 1969: 25

24 February 1969

Togo: Evou: Veronese, C.: RMCA: 18 [18 - **18** - **18**].

Total Specimens for 24 February 1969: 18

25 February 1969

Côte d'Ivoire: Niébé: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Togo: Evou: Veronese, C.: RMCA: 13 [13 - **13** - **13**].

Total Specimens for 25 February 1969: 14

26 February 1969

Côte d'Ivoire: Niébé: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Togo: Evou: Veronese, C.: RMCA: 19 [19 - **19** - **19**].

Total Specimens for 26 February 1969: 20

27 February 1969

Côte d'Ivoire: Niébé: ?: Collector Unknown: ORSTOM: 1 [1]; Le Dun, J.W.: ZMA: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **3**].
Togo: Evou: Veronese, C.: RMCA: 23 [23 - **23** - **23**].

Total Specimens for 27 February 1969: 26

28 February 1969

Togo: Evou: Veronese, C.: RMCA: 16 [16 - **16** - **16**].

Total Specimens for 28 February 1969: 16

1 March 1969

Burkina Faso: Barga, 9 km NE: Vaden, R.E.: USNM: 2 [2 - **2** - **2**].
Côte d'Ivoire: Kahin: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Togo: Evou: Veronese, C.: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 1 March 1969: 12

2 March 1969

Burkina Faso: Barga, 9 km NE: Vaden, R.E.: RMCA: 2, USNM: 26 [28 - **28** - **28**].
Togo: Evou: Veronese, C.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 2 March 1969: 35

3 March 1969

Côte d'Ivoire: Duékoué: LeDuc, James W.: ORSTOM: 1, ZMA: 1 [2]; Robbins, Lynn W.: ORSTOM: 1 [1 - **3**] - Kahin: Robbins, Lynn W.: USNM: 1 [1 - **1** - **4**].
Kenya: Tiwi: Williams: ROM: 8 [8 - **8** - **8**].
Togo: Evou: Veronese, C.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 3 March 1969: 20

4 March 1969

Kenya: Tiwi: Kirkham; Williams, A.E.: ROM: 2 [2]; Williams: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **5**] - Tiwi Beach: Williams, John George: ROM: 1 [1 - **1** - **6**].
Togo: Evou: Veronese, C.: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 4 March 1969: 11

5 March 1969

Côte d'Ivoire: Kahin: LeDuc, James W.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **2**].
Kenya: Diani: Williams: ROM: 4 [4]; Williams, A.E.: ROM: 1 [1 - **5**] - Mukanda river: Williams, John George: ROM: 1 [1 - **1**] - Mwapewa caves: Williams: ROM: 3 [3 - **3**] - Tiwi: Williams: ROM: 3 [3 - **3** - **12**].
Togo: Evou: Veronese, C.: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 5 March 1969: 19

6 March 1969

Togo: Evou: Veronese, C.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 6 March 1969: 6

7 March 1969

Burkina Faso: Seguenega, 6 km SE: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].
Côte d'Ivoire: Tyenko: LeDuc, James W.: USNM: 2 [2 - **2** - **2**].
Togo: Evou: Veronese, C.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 7 March 1969: 7

8 March 1969

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Togo: Evou: Veronese, C.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 8 March 1969: 4

9 March 1969

Côte d'Ivoire: Ehania: ORSTOM: RMCA: 2 [2 - **2** - **2**].
Kenya: Mukanda river: Williams, John George: ROM: 1 [1 - **1** - **1**].
Namibia: Windhoek: Mittendorf, H.: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 9 March 1969: 6

10 March 1969

Algeria: Colomb Bechar: Laviolette, S.; Cunningham, G.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 10 March 1969: 4

11 March 1969

Burkina Faso: Cella, 1 km N: Vaden, R.E.: RMCA: 1, USNM: 16 [17 - **17** - **17**].
Togo: Atakpamé: Veronese, C.: RMCA: 64 [64 - **64** - **64**].

Total Specimens for 11 March 1969: 81

12 March 1969

Tunisia: Bled Douarah: Maslin, Thomas Paul: UCM: 5 [5 - **5** - **5**].

Total Specimens for 12 March 1969: 5

13 March 1969

Burkina Faso: Cella, 1 km N: Vaden, R.E.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 13 March 1969: 10

14 March 1969

Burkina Faso: Cella, 1 km N: Vaden, R.E.: USNM: 8 [8 - **8** - **8**].
Côte d'Ivoire: Sienso: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Ghana: Kumasi Agricultural Station: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1969: 10

15 March 1969

Burkina Faso: Cella, 1 km N: Vaden, R.E.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 15 March 1969: 5

17 March 1969

Burkina Faso: Nayouré: Vaden, R.E.: RMCA: 1, USNM: 1 [2 - **2**] - Nayouré, 3 km SE: Vaden, R.E.: USNM: 60 [60 - **60** - **62**].
Ghana: Kumasi Agricultural Station: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1969: 63

19 March 1969

Côte d'Ivoire: Yama: LeDuc, James W.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 19 March 1969: 2

20 March 1969

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - Yama: : USNM: 7 [7]; LeDuc, James W.: ZMA: 1 [1 - **8** - **9**].

Total Specimens for 20 March 1969: 9

23 March 1969

Burkina Faso: Ougarou: Vaden, R.E.: USNM: 14 [14 - **14** - **14**].

Total Specimens for 23 March 1969: 14

24 March 1969

Burkina Faso: Ougarou: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1969: 1

25 March 1969

Burkina Faso: Ougarou: Vaden, R.E.: USNM: 9 [9 - **9** - **9**].

Total Specimens for 25 March 1969: 9

26 March 1969

Botswana: Maun: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1969: 1

28 March 1969

Botswana: Livingstone Cave: Smithers, Reay Henry Noble: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1969: 1

30 March 1969

Nigeria: Malamfatori: Kemp, G.E.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 30 March 1969: 2

31 March 1969

Senegal: Richard Toll: Chateau, R.: MNHN: 1 [1 - **1** - **1**].
South Africa: Zwartkop cave: Pretorius, J.J.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1969: 2

1 April 1969

Madagascar: Analamazaotra forest, Périnet: Benedicte, R.: ROM: 7 [7 - **7**] - Foulpointe: Benedicte, R.: ROM: 6 [6 - **6** - **13**].

South Africa: Groenkloof: Pretorius, J.J.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1969: 14

3 April 1969

Burundi: Rwintare: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1969: 1

7 April 1969

Congo (Democratic Republic of the): Kiyite: Celis, M.J.; Lejeune, M.: RMCA: 1 [1 - **1** - **1**].
Swaziland: Hlatikulu: Baddeley, M. St. C.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 7 April 1969: 6

8 April 1969

Burundi: Gifuruzi: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1969: 1

9 April 1969

Burundi: Makamba: Niort, P.L.: MHNG: 3 [3 - **3**] - Rubindi cave: Niort, P.L.: MHNG: 9 [9 - **9** - **12**].

Total Specimens for 9 April 1969: 12

10 April 1969

Algeria: Colomb Bechar: Laviolette, S.; Cunningham, G.: ROM: 12 [12 - **12** - **12**].
Burundi: Makamba: Niort, P.L.: MHNG: 2 [2 - **2**] - Makamba mission: Niort, P.L.: MHNG: 1 [1 - **1** - **3**].

Total Specimens for 10 April 1969: 15

11 April 1969

Sierra Leone: Njala Taja River: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
South Africa: Farm Commissiesdrift 327JQ [=Commisiondrift]: Pretorius, J.J.L.: USNM: 9 [9 - **9** - **9**].

Total Specimens for 11 April 1969: 10

13 April 1969

Sierra Leone: Njala Taja River: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1969: 1

15 April 1969

South Africa: Buffelshoek Farm 446 KQ: Graupner, O.F.: USNM: 31 [31 - **31** - **31**].

Total Specimens for 15 April 1969: 31

16 April 1969

Cameroon: Kumba region: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Kenya: Kitale Township, W of: Barton, Miles: ROM: 12 [12 - **12**] - Mount Elgon: Barton, Miles: ROM: 1 [1 - **1** - **13**].
South Africa: Buffelshoek Farm 446 KQ: Graupner, O.F.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 16 April 1969: 19

17 April 1969

South Africa: Buffelshoek Farm 446 KQ: Graupner, O.F.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 April 1969: 1

18 April 1969

Côte d'Ivoire: Adiopodoumé: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].

Kenya: Kitale Township, W of: Barton, Miles: ROM: 6 [6 - **6** - **6**].

Total Specimens for 18 April 1969: 7

20 April 1969

Egypt: Giza, pyramids: Gaisler, Jiri; Groschaft, J.: IVB: 1, MUB: 2, NMP: 2 [5 - **5** - **5**].
Kenya: Archer's Post: Kyongo, Robert N.: ROM: 11 [11 - **11**] - Mount Elgon: Barton, Miles: ROM: 8 [8 - **8** - **19**].

Total Specimens for 20 April 1969: 24

21 April 1969

Egypt: Sultan Mahmud Mosque: Gaisler, Jiri: IVB: 5 [5 - **5** - **5**].

Total Specimens for 21 April 1969: 5

22 April 1969

Botswana: Maun: ?: Collector Unknown: ROM: 1 [1]; Smithers, Reay Henry Noble: ROM: 1 [1 - **2** - **2**].
Côte d'Ivoire: Adiopodoumé: LeDuc, James W.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **2**].
South Africa: Buffelshoek Farm 446 KQ: Graupner, O.F.: USNM: 11 [11 - **11**] - Thabazimbi, 16 mi SE [=Waterval Farm]: Graupner, O.F.: USNM: 38 [38 - **38**] - Thabazimbi, 20 km SE: Graupner, O.F.: USNM: 2 [2 - **2** - **51**].

Total Specimens for 22 April 1969: 55

23 April 1969

Kenya: Mount Elgon: Barton, Miles: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1969: 1

24 April 1969

Kenya: Mount Elgon: Barton, Miles: ROM: 5 [5 - **5** - **5**].

Total Specimens for 24 April 1969: 5

25 April 1969

Burundi: Rwegura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Kumba region: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].
South Africa: Kleinfontein: Pretorius, J.J.L.: USNM: 8 [8 - **8** - **8**].

Total Specimens for 25 April 1969: 11

26 April 1969

Egypt: Karnak Great Temple: Gaisler, Jiri: IVB: 7 [7 - **7** - **7**].

Total Specimens for 26 April 1969: 7

27 April 1969

Burkina Faso: Ouagadougou: Vaden, R.E.: USNM: 8 [8 - **8** - **8**].
South Africa: Kleinfontein: Pretorius, J.J.L.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 27 April 1969: 10

1 May 1969

Niger: Zinder, near: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1969: 1

3 May 1969

Burkina Faso: Oulo: LeDuc, James W.: USNM: 1 [1]; Vaden, R.E.: USNM: 85 [85 - **86** - **86**].
Liberia: Bendu: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1969: 87

4 May 1969

Burkina Faso: Oulo: Vaden, R.E.: USNM: 39 [39 - **39** - **39**].

Total Specimens for 4 May 1969: 39

6 May 1969

Burkina Faso: Konankira: Vaden, R.E.: USNM: 44 [44 - **44**] - Oulo: Vaden, R.E.: USNM: 1 [1 - **1** - **45**].
Cameroon: Kloa: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Egypt: Kharga Oasis, City of Deads: Gaisler, Jiri: IVB: 2 [2 - **2** - **2**].
Liberia: Gwene Town: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Zimbabwe: Mashunga Hande Dam: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1969: 50

7 May 1969

Burkina Faso: Konankira: Vaden, R.E.: USNM: 5 [5 - **5** - **5**].
Cameroon: Kumba region: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Ethiopia: Abaya lake, W bank: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1969: 7

8 May 1969

Burkina Faso: Konankira: Vaden, R.E.: USNM: 3 [3 - **3** - **3**].
Cameroon: Kumba region: Ngam, V.N.: ROM: 9 [9 - **9** - **9**].

Total Specimens for 8 May 1969: 12

9 May 1969

Cameroon: Basal Mission: Ngam, V.N.: ROM: 9 [9 - **9** - **9**].

Total Specimens for 9 May 1969: 9

10 May 1969

Cameroon: Basal Mission: Ngam, V.N.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 10 May 1969: 7

12 May 1969

Burkina Faso: Cella, 1 km N: Vaden, R.E.: USNM: 1 [1 - **1**] - Founzan: Vaden, R.E.: USNM: 1 [1 - **1** - **2**].
Cameroon: Basal Mission: Ngam, V.N.: ROM: 5 [5 - **5** - **5**].
Côte d'Ivoire: Tule: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1969: 8

13 May 1969

Burkina Faso: Founzan: Vaden, R.E.: USNM: 10 [10 - **10** - **10**].
Cameroon: Basal Mission: Ngam, V.N.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 13 May 1969: 15

14 May 1969

Burkina Faso: Founzan: Vaden, R.E.: USNM: 60 [60 - **60** - **60**].
Cameroon: Basal Mission: Ngam, V.N.: ROM: 1 [1 - **1**] - Kumba: Ngam, V.N.: ROM: 2 [2 - **2**] - Kumba region: Ngam, V.N.: ROM: 4 [4 - **4** - **7**].
Liberia: Coffee, Mount: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1969: 68

15 May 1969

Burkina Faso: Founzan: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].
Cameroon: Kumba region: Ngam, V.N.: ROM: 7 [7 - **7** - **7**].
Côte d'Ivoire: Kong: LeDuc, James W.: USNM: 26 [26]; Robbins, Lynn W.: USNM: 1 [1 - **27**] - Soubre: McIntyre, T.J.: USNM: 2 [2 - **2** - **29**].

Guinea: cave, Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1969: 38

16 May 1969

Burkina Faso: Founzan: Vaden, R.E.: USNM: 4 [4 - **4** - **4**].
Cameroon: Kumba region: Ngam, V.N.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 16 May 1969: 9

17 May 1969

Burkina Faso: Founzan: Vaden, R.E.: USNM: 6 [6 - **6** - **6**].
Cameroon: Kumba region: Ngam, V.N.: ROM: 6 [6 - **6** - **6**].
Kenya: Nairobi: Kirkham; Williams, A.E.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 17 May 1969: 15

18 May 1969

Cameroon: Kumba: Ngam, V.N.: ROM: 1 [1 - **1**] - Kumba region: Ngam, V.N.: ROM: 8 [8 - **8** - **9**].

Total Specimens for 18 May 1969: 9

19 May 1969

Côte d'Ivoire: Kong: Robbins, Lynn W.: USNM: 2 [2 - **2** - **2**].
South Africa: Gardenia: Pretorius, J.J.L.: USNM: 8 [8 - **8**] - Newcastle, 10 mi S: Pretorius, J.J.L.: USNM: 37 [37 - **37** - **45**].

Total Specimens for 19 May 1969: 47

20 May 1969

Burundi: Bujumbura: Niort, P.L.: MHNG: 3 [3 - **3** - **3**].

Total Specimens for 20 May 1969: 3

22 May 1969

Cameroon: Basal Mission: Ngam, V.N.: ROM: 4 [4 - **4**] - Kumba region: Ngam, V.N.: ROM: 8 [8 - **8** - **12**].

Total Specimens for 22 May 1969: 12

25 May 1969

Ethiopia: Abella: Largen, M.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1969: 1

27 May 1969

Cameroon: Basal Mission: Ngam, V.N.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 27 May 1969: 5

29 May 1969

Côte d'Ivoire: Banco Forest: Robbins, Lynn W.: USNM: 2 [2 - **2**] - Banco, forêt de: LeDuc, James W.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **4**].
South Africa: Northam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: Bwindi area: Williams, A.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 29 May 1969: 6

30 May 1969

Cameroon: Kumba region: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].
Côte d'Ivoire: Banco Forest: McIntyre, T.J.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1969: 3

1 June 1969

Burundi: Rwegura: ?: Collector Unknown: MHNG: 1 [1 - **1** - **1**].
Cameroon: Basal Mission: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].
Congo: Sibiti cave: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Elisabethville: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Rwanda: Ihema, lake: Kiss: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 1 June 1969: 8

2 June 1969

Cameroon: Kumba region: Ngam, V.N.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 2 June 1969: 4

4 June 1969

Uganda: Itama Mine area: Glen, Robert M.: LACM: 3 [3 - **3** - **3**].

Total Specimens for 4 June 1969: 3

5 June 1969

Burundi: Busiga: Niort, P.L.: MHNG: 7 [7 - **7** - **7**].
Cameroon: Kumba region: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1969: 8

6 June 1969

Burundi: Kanyinya: Niort, P.L.: MHNG: 7 [7 - **7** - **7**].
Cameroon: Kumba region: Ngam, V.N.: ROM: 8 [8 - **8** - **8**].

Total Specimens for 6 June 1969: 15

7 June 1969

Burundi: Rugari mission: Niort, P.L.: MHNG: 4 [4 - **4** - **4**].
Cameroon: Kumba region: Ngam, V.N.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 7 June 1969: 9

8 June 1969

Burundi: Rugari mission: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Kumba region: Ngam, V.N.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 8 June 1969: 6

10 June 1969

Cameroon: Kumba region: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 10 June 1969: 2

11 June 1969

Burkina Faso: Fô: Vaden, R.E.: USNM: 22 [22 - **22** - **22**].

Total Specimens for 11 June 1969: 22

12 June 1969

Côte d'Ivoire: Soubre, 10 mi WNW: McIntyre, T.J.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 12 June 1969: 2

13 June 1969

Côte d'Ivoire: Soubre, 10 mi WNW: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1969: 1

14 June 1969

Burkina Faso: Fô: Vaden, R.E.: USNM: 27 [27 - **27** - **27**].
Côte d'Ivoire: Saubre: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1969: 28

15 June 1969

Cameroon: Barombi-Mbo, lake: Ngam, V.N.: ROM: 1 [1 - **1**] - Kumba: Ngam, V.N.: ROM: 9 [9 - **9** - **10**].

Total Specimens for 15 June 1969: 10

16 June 1969

Rwanda: Cyangugu: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1969: 2

17 June 1969

Burkina Faso: Orodara, 27 km ENE: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].
South Africa: Onderdownes Wes: Pretorius, J.J.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1969: 2

18 June 1969

Burkina Faso: Orodara, 27 km ENE: Vaden, R.E.: USNM: 19 [19 - **19** - **19**].
Kenya: Mount Elgon, E face: Barton, Miles: ROM: 19 [19 - **19** - **19**].

Total Specimens for 18 June 1969: 38

19 June 1969

Burkina Faso: Orodara, 27 km ENE: Vaden, R.E.: USNM: 16 [16 - **16** - **16**].
Burundi: Rwintare Mission: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Kumba: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1969: 18

20 June 1969

Burkina Faso: Orodara, 27 km ENE: Vaden, R.E.: USNM: 36 [36 - **36** - **36**].
Kenya: Mount Elgon, E face: Barton, Miles: ROM: 49 [49 - **49** - **49**].

Total Specimens for 20 June 1969: 85

21 June 1969

Cameroon: Kumba: Ngam, V.N.: ROM: 4 [4 - **4** - **4**].
Kenya: Mount Elgon, E face: Barton, Miles: ROM: 4 [4 - **4** - **4**].
Uganda: Itama area: Glen, Robert M.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1969: 9

22 June 1969

Burkina Faso: Koutoura, 5 km SW: Vaden, R.E.: USNM: 20 [20 - **20** - **20**].
Côte d'Ivoire: Duékoué: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **2**].
Kenya: Nakuru: Williams, John George: AMNH: 1 [1 - **1** - **1**].
Uganda: Itama area: Williams, A.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1969: 24

23 June 1969

Burkina Faso: Koutoura, 5 km SW: Vaden, R.E.: USNM: 10 [10 - **10** - **10**].
Côte d'Ivoire: Duékoué: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **2**].
Kenya: Lake Naivasha: Barton, Miles: ROM: 21 [21 - **21** - **21**].
South Africa: N'Waswitshaka Experimental Burn Plots: Swart, D.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1969: 34

24 June 1969

Burkina Faso: Koutoura, 5 km SW: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].
Cameroon: Basal Mission: Ngam, V.N.: ROM: 1 [1 - **1**] - Kumba: Ngam, V.N.: ROM: 5 [5 - **5** - **6**].
Côte d'Ivoire: Duékoué: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 24 June 1969: 9

25 June 1969

Burkina Faso: Koutoura, 5 km SW: Vaden, R.E.: USNM: 5 [5 - **5** - **5**].
Cameroon: Kumba: Ngam, V.N.: ROM: 4 [4 - **4** - **4**].
Côte d'Ivoire: Duékoué: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **2**].
Kenya: Lake Naivasha: Barton, Miles: ROM: 5 [5 - **5** - **5**].

Total Specimens for 25 June 1969: 16

28 June 1969

Côte d'Ivoire: Déoulé: Parelius, Daniel Arthur: FMNH: 7 [7 - **7** - **7**].
Ghana: Bibiani: Mensah, P.E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 28 June 1969: 9

29 June 1969

Burkina Faso: Sideradougou: Vaden, R.E.: USNM: 15 [15 - **15**] - Sidéradougou: Vaden, R.E.: USNM: 1 [1 - **1** - **16**].
Côte d'Ivoire: Déoulé: Parelius, Daniel Arthur: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 29 June 1969: 20

30 June 1969

Burkina Faso: Pétoye: Vaden, R.E.: RMCA: 2 [2 - **2**] - Sideradougou: Vaden, R.E.: USNM: 13 [13 - **13**] - Sidéradougou: Vaden, R.E.: USNM: 5 [5 - **5** - **20**].

Total Specimens for 30 June 1969: 20

1 July 1969

Burkina Faso: Sidéradougou: Vaden, R.E.: USNM: 21 [21 - **21** - **21**].
Côte d'Ivoire: Bouna: Robbins, Lynn W.: USNM: 1 [1 - **1**] - Douna: Robbins, Lynn W.: USNM: 1 [1 - **1** - **2**].

Total Specimens for 1 July 1969: 23

2 July 1969

Burkina Faso: Sideradougou: Vaden, R.E.: USNM: 1 [1 - **1**] - Sidéradougou: Vaden, R.E.: USNM: 2 [2 - **2** - **3**].
Côte d'Ivoire: Madinani mountains, E of: Parelius, Daniel Arthur: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 2 July 1969: 7

3 July 1969

Côte d'Ivoire: Madinani mountains, E of: Parelius, Daniel Arthur: FMNH: 8 [8 - **8**] - Séguélo: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **9**].

Total Specimens for 3 July 1969: 9

4 July 1969

Côte d'Ivoire: Madinani mountains, E of: Parelius, Daniel Arthur: FMNH: 11 [11 - **11** - **11**].
Zambia: Ngoma: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1969: 12

5 July 1969

Côte d'Ivoire: Bouna: McIntyre, T.J.: USNM: 4 [4]; Robbins, Lynn W.: USNM: 4 [4 - **8**] - Madinani mountains, E of: Parelius, Daniel Arthur: FMNH: 7 [7 - **7** - **15**].

Total Specimens for 5 July 1969: 15

6 July 1969

Côte d'Ivoire: Madinani mountains, E of: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1969: 1

7 July 1969

Côte d'Ivoire: Madinani mountains, E of: Parelius, Daniel Arthur: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 7 July 1969: 7

8 July 1969

Burkina Faso: Djipologo: Vaden, R.E.: USNM: 21 [21 - **21** - **21**].
Côte d'Ivoire: Madinani mountains, E of: Parelius, Daniel Arthur: FMNH: 7 [7 - **7** - **7**].
Ethiopia: Rudolf, lake, 10 km NE: Largen, M.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1969: 29

9 July 1969

Burkina Faso: Djipologo: Vaden, R.E.: USNM: 27 [27 - **27** - **27**].
Kenya: Mtito Andei: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **4**].

Total Specimens for 9 July 1969: 31

10 July 1969

Burkina Faso: Djipologo: Vaden, R.E.: USNM: 4 [4 - **4** - **4**].
Kenya: Lake Magadi, 40 km W: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 10 July 1969: 6

11 July 1969

Côte d'Ivoire: Torgokaha: Parelius, Daniel Arthur: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 11 July 1969: 8

12 July 1969

Burkina Faso: Djipologo: Vaden, R.E.: USNM: 4 [4 - **4** - **4**].
Côte d'Ivoire: Torgokaha: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].
Ghana: Achimota: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Kenya: Mbero Rock: Kyongo, Robert N.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1969: 7

13 July 1969

Côte d'Ivoire: Torgokaha: Parelius, Daniel Arthur: FMNH: 4 [4 - **4** - **4**].
Kenya: Kivokwe Rock: Kyongo, Robert N.: LACM: 1 [1 - **1**] - Mbero Rock: Kyongo, Robert N.: LACM: 2 [2 - **2** - **3**].
Togo: Pogan: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 17 [17 - **17** - **17**].

Total Specimens for 13 July 1969: 24

14 July 1969

Côte d'Ivoire: Fetekro: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Ghana: Efeipo Krom: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1969: 2

15 July 1969

Côte d'Ivoire: Torgokaha: Parelius, Daniel Arthur: FMNH: 4 [4 - **4** - **4**].
Kenya: Mbero Rock: Kyongo, Robert N.: LACM: 2 [2 - **2** - **2**].

Total Specimens for 15 July 1969: 6

16 July 1969

Côte d'Ivoire: Boundiali: Parelius, Daniel Arthur: FMNH: 2 [2 - **2**] - Fetekro: McIntyre, T.J.: USNM: 3 [3]; Robbins, Lynn W.: USNM: 2 [2 - **5** - **7**].

Total Specimens for 16 July 1969: 7

17 July 1969

Côte d'Ivoire: Dabakala: Parelius, Daniel Arthur: FMNH: 11 [11 - **11**] - Fetekro: McIntyre, T.J.: USNM: 2 [2 - **2** - **13**].

Total Specimens for 17 July 1969: 13

18 July 1969

Côte d'Ivoire: Banama Blanc: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - Dabakala: Parelius, Daniel Arthur: FMNH: 12 [12 - **12**] - Fetekro: : USNM: 28 [28 - **28** - **41**].
Togo: Aledjo: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 18 July 1969: 52

19 July 1969

Côte d'Ivoire: Dabakala: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **2**].
Togo: Aledjo: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 26 [26 - **26** - **26**].

Total Specimens for 19 July 1969: 28

20 July 1969

Côte d'Ivoire: Dabakala: Parelius, Daniel Arthur: FMNH: 5 [5 - **5** - **5**].
Togo: Aledjo: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 10 [10 - **10**] - Péwa: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 3 [3 - **3** - **13**].

Total Specimens for 20 July 1969: 18

21 July 1969

Côte d'Ivoire: Dabakala: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **2**].
Togo: Aledjo: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 12 [12 - **12**] - Niamtougou: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 1 [1 - **1** - **13**].

Total Specimens for 21 July 1969: 15

22 July 1969

Togo: Niamtougou: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1969: 1

23 July 1969

Togo: Borgou: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1**] - Niamtougou: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 16 [16 - **16** - **17**].

Total Specimens for 23 July 1969: 17

24 July 1969

Côte d'Ivoire: Banama Blanc: Parelius, Daniel Arthur: FMNH: 7 [7 - **7** - **7**].
Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Togo: Niamtougou: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 24 July 1969: 16

25 July 1969

Congo (Democratic Republic of the): Idjwi, Island: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Banama Blanc: Parelius, Daniel Arthur: FMNH: 10 [10 - **10** - **10**].
Togo: Niamtougou: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 25 July 1969: 15

26 July 1969

Côte d'Ivoire: Banama Blanc: Parelius, Daniel Arthur: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 26 July 1969: 6

27 July 1969

Togo: Namoundjoga: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 52 [52 - **52** - **52**].

Total Specimens for 27 July 1969: 52

28 July 1969

Côte d'Ivoire: Banama Blanc: Parelius, Daniel Arthur: FMNH: 3 [3 - **3** - **3**].
Togo: Namoundjoga: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 28 July 1969: 13

29 July 1969

Côte d'Ivoire: Banama Blanc: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].
Togo: Namoundjoga: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 29 July 1969: 6

30 July 1969

Togo: Borgou: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1**] - Dapango: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 13 [13 - **13**] - Namoundjoga: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 22 [22 - **22** - **36**].

Total Specimens for 30 July 1969: 36

31 July 1969

Côte d'Ivoire: Kadioa, near: Parelius, Daniel Arthur: FMNH: 10 [10 - **10** - **10**].
Togo: Namoundjoga: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 20 [20 - **20** - **20**].

Total Specimens for 31 July 1969: 30

1 August 1969

Burundi: Rumonge: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ghana: Accra: Taylor, I.: WAM: 2 [2 - **2**] - Northern region: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].
Mozambique: Beira: Baddeley, M. St. C.: ROM: 1 [1]; Robsory: ROM: 6 [6 - **7** - **7**].
Togo: Namoundjoga: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 1 August 1969: 23

2 August 1969

Côte d'Ivoire: Kadioa, near: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].
Togo: Namoundjoga: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 2 August 1969: 9

3 August 1969

Côte d'Ivoire: Kadioa, near: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].
Kenya: Kyengole: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - Kyengole Rocks: ?: Collector Unknown: LACM: 1 [1 - **1** - **2**].
Togo: Aledjo: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 18 [18 - **18** - **18**].

Total Specimens for 3 August 1969: 21

6 August 1969

Côte d'Ivoire: Guitri: McIntyre, T.J.; Robbins, Lynn W.: USNM: 2 [2 - **2** - **2**].
Togo: Missahohé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1969: 4

7 August 1969

Côte d'Ivoire: Kadioa, near: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].
Kenya: Lake Elementeita: Kyongo, Robert N.: ROM: 1 [1]; Williams, John George; Kyongo, Robert N.: ROM: 10 [10 - **11** - **11**].
Togo: Missahohé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 7 August 1969: 16

8 August 1969

Djibouti: Mount Day: Eccles, D.J.: BMNH: 1 [1 - **1** - **1**].
Togo: Missahohé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 35 [35 - **35**] - Tomegbé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 13 [13 - **13** - **48**].

Total Specimens for 8 August 1969: 49

9 August 1969

Ghana: Adamso: McIntyre, T.J.: USNM: 4 [4]; Murdoch, W.P.: USNM: 3 [3 - **7** - **7**].
Togo: Missahohé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 9 August 1969: 15

10 August 1969

Togo: Missahohé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 10 August 1969: 6

11 August 1969

Togo: Missahohé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 11 August 1969: 4

12 August 1969

Kenya: Kyengole: ?: Collector Unknown: LACM: 1 [1 - **1**] - unspecified locality: ?: Collector Unknown: LACM: 1 [1 - **1** - **2**].

Total Specimens for 12 August 1969: 2

13 August 1969

Ethiopia: Abaya, lake, West bank: Largen, M.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1969: 1

16 August 1969

Côte d'Ivoire: Boundiali: Parelius, Daniel Arthur: FMNH: 20 [20 - **20** - **20**].

Total Specimens for 16 August 1969: 20

17 August 1969

Ghana: Damongo: McIntyre, T.J.: USNM: 6 [6]; Murdoch, W.P.: USNM: 5 [5 - **11** - **11**].

Total Specimens for 17 August 1969: 11

19 August 1969

Kenya: Ngombeni: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1969: 1

20 August 1969

Somalia: Callis: ?: Collector Unknown: MZUF: 3 [3 - **3** - **3**].
Togo: Fazao: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 20 August 1969: 5

21 August 1969

Cameroon: Great Soppo: Ngam, V.N.: ROM: 3 [3 - **3**] - Great Soppo Forest: Ngam, V.N.: ROM: 2 [2 - **2** - **5**].
Togo: Fazao: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 33 [33 - **33** - **33**].

Total Specimens for 21 August 1969: 38

22 August 1969

Congo (Democratic Republic of the): Kasapa: ?: Collector Unknown: RBINS: 1 [1]; Poelman, J.: RBINS: 4 [4 - **5** - **5**].
Togo: Fazao: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 29 [29 - **29** - **29**].

Total Specimens for 22 August 1969: 34

23 August 1969

Cameroon: Great Soppo: Ngam, V.N.: ROM: 8 [8 - **8**] - Great Soppo Forest: Ngam, V.N.: ROM: 1 [1 - **1**] - Meanja: Glen, Robert M.: ROM: 3 [3 - **3**] - Muyuka [= Muea]: Glen, Robert M.: ROM: 3 [3 - **3** - **15**].
Congo (Democratic Republic of the): Idjwi, Island: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Togo: Fazao: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 65 [65 - **65** - **65**].

Total Specimens for 23 August 1969: 81

24 August 1969

Togo: Fazao: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 24 [24 - **24** - **24**].

Total Specimens for 24 August 1969: 24

25 August 1969

Somalia: Giohar: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].
Zambia: Ngoma: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1969: 2

26 August 1969

Cameroon: Meanja: Glen, Robert M.: ROM: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Idjwi, Island: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Ghana: Mole Motel: Start, Anthony N.; Taylor, I.: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 26 August 1969: 8

27 August 1969

Togo: Kolokopé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 27 August 1969: 14

28 August 1969

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Togo: Kolokopé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 27 [27 - **27** - **27**].

Total Specimens for 28 August 1969: 28

29 August 1969

Togo: Kolokopé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 16 [16 - **16** - **16**].

Total Specimens for 29 August 1969: 16

30 August 1969

Togo: Kolokopé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 13 [13 - **13** - **13**].

Total Specimens for 30 August 1969: 13

31 August 1969

Cameroon: Ayos, near: Glen, Robert M.: ROM: 2 [2 - **2** - **2**].

Togo: Kolokopé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 31 August 1969: 13

1 September 1969

Congo (Democratic Republic of the): Montembessa cave: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ghana: Mole Motel: Start, Anthony N.; Taylor, I.: BMNH: 3 [3 - **3** - **3**].
Mali: Mopti: Matthes: RMCA: 2 [2 - **2** - **2**].
Togo: Kolokopé: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 1 September 1969: 16

3 September 1969

Cameroon: De Somo, Bamenda road: Glen, Robert M.: ROM: 3 [3 - **3** - **3**].
Ghana: Unknown locality: Taylor, I.: WAM: 1 [1 - **1** - **1**].
Togo: Tététou: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1969: 5

4 September 1969

Togo: Tététou: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 4 September 1969: 7

5 September 1969

Cameroon: Bamenda: Glen, Robert M.: ROM: 1 [1 - **1** - **1**].
Togo: Tététou: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 5 September 1969: 7

6 September 1969

Togo: Tététou: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 6 September 1969: 9

11 September 1969

Cameroon: Kribi: Glen, Robert M.: ROM: 9 [9 - **9** - **9**].
Togo: Togoville: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 16 [16 - **16** - **16**].

Total Specimens for 11 September 1969: 25

12 September 1969

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1** - **1**].
Togo: Togoville: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 26 [26 - **26** - **26**].
Zambia: Kafue National Park: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 September 1969: 28

13 September 1969

Kenya: Mbero Rock: ?: Collector Unknown: LACM: 4 [4 - **4** - **4**].
Togo: Togoville: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 20 [20 - **20** - **20**].

Total Specimens for 13 September 1969: 24

14 September 1969

Kenya: Oleibortoto river: Start, Anthony N.: BMNH: 8 [8 - **8**] - River Olebortoto: Start, Anthony N.: BMNH: 2 [2 - **2** - **10**].
Morocco: Ijoukak: Laviolette, S.; *et al.*: ROM: 1 [1 - **1** - **1**].
Togo: Togoville: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 14 September 1969: 19

15 September 1969

Congo (Democratic Republic of the): Luluabourg: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Kenya: Mbero Rock: ?: Collector Unknown: LACM: 2 [2]; Ithia, Julius M.K.: LACM: 2 [2 - **4**] - Undefined locality: Start, Anthony N.: WAM: 1 [1 - **1** - **5**].
Togo: Togoville: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 15 September 1969: 20

16 September 1969

Congo (Democratic Republic of the): Idjwi, Island: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
South Africa: Gasdrift, Nabas: Haacke, W.D.: TM: 1 [1 - **1** - **1**].
Togo: Togoville: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 16 September 1969: 10

17 September 1969

Cameroon: Great Soppo: Ngam, V.N.: ROM: 6 [6 - **6**] - Great Soppo Forest: Ngam, V.N.: ROM: 3 [3 - **3** - **9**].
Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - NE Base Wei Wei River, West Pokot: Stager, Kenneth E.: LACM: 4 [4 - **4**] - West Pokot: Stager, Kenneth E.: LACM: 3 [3 - **3** - **8**].
Togo: Togoville: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 17 September 1969: 23

19 September 1969

Congo (Democratic Republic of the): St Joseph de Luluabourg mission: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Ghana: Kuuni, 48 mi [=77 km] from: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Kenya: Mbero Rock: Kyongo, Robert N.: LACM: 2 [2 - **2**] - NE Base Wei Wei River, West Pokot: Stager, Kenneth E.: LACM: 1 [1 - **1** - **3**].
Morocco: Tan Tan Plage, 30 km SE: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 19 September 1969: 6

23 September 1969

Kenya: NE Base Wei Wei River, West Pokot: Stager, Kenneth E.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1969: 1

26 September 1969

Cameroon: Great Soppo: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 26 September 1969: 2

27 September 1969

South Africa: Farm Tenbosch 112JU: Pretorius, J.J.L.: USNM: 8 [8 - **8** - **8**].

Total Specimens for 27 September 1969: 8

28 September 1969

Togo: Agadji: Matthias: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 28 September 1969: 4

29 September 1969

Togo: Agadji: Matthias: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 29 September 1969: 4

30 September 1969

Ghana: Wenchi: Mensah, P.E.: ROM: 10 [10 - **10** - **10**].
Togo: Agadji: Matthias: RMCA: 6 [6 - **6** - **6**].
Zambia: Ngoma: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1969: 17

1 October 1969

Burundi: Rugari Mission: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
Ghana: Bechem: Mensah, P.E.: ROM: 4 [4 - **4** - **4**].
Togo: Agadji: Matthias: RMCA: 18 [18 - **18** - **18**].

Total Specimens for 1 October 1969: 24

2 October 1969

Cameroon: Great Soppo: Ngam, V.N.: ROM: 5 [5 - **5**] - Great Soppo Forest: Ngam, V.N.: ROM: 1 [1 - **1** - **6**].
Togo: Agadji: Matthias: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 2 October 1969: 15

3 October 1969

Burundi: Karonge: Niort, P.L.: MHNG: 8 [8 - **8** - **8**].
Togo: Agadji: Matthias: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 3 October 1969: 15

4 October 1969

Togo: Agadji: Matthias: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 4 October 1969: 9

5 October 1969

Togo: Agadji: Matthias: RMCA: 2 [2 - **2**] - Dédomé: Matthias: RMCA: 7 [7 - **7** - **9**].

Total Specimens for 5 October 1969: 9

6 October 1969

Togo: Dédomé: Matthias: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 6 October 1969: 5

7 October 1969

Togo: Dédomé: Matthias: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 7 October 1969: 5

8 October 1969

Cameroon: Moliko: Ngam, V.N.: ROM: 2 [2 - **2**] - Moliko, CDC Banana plantation: Ngam, V.N.: ROM: 1 [1 - **1** - **3**].
Zambia: Ngoma: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1969: 4

9 October 1969

Morocco: Rabat, 17 km SE: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1** - **1**].
Togo: Dédomé: Matthias: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 9 October 1969: 3

10 October 1969

Burundi: Kanyosha: Niort, P.L.: MHNG: 4 [4 - **4** - **4**].
Côte d'Ivoire: Adiopodoumé: ORSTOM: RMCA: 1 [1 - **1** - **1**].
Togo: Dédomé: Matthias: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1969: 6

11 October 1969

Cameroon: Moliko: Ngam, V.N.: ROM: 2 [2 - **2**] - Moliko, CDC Banana plantation: Ngam, V.N.: ROM: 13 [13 - **13** - **15**].

Total Specimens for 11 October 1969: 15

12 October 1969

Burundi: Karonge: Niort, P.L.: MHNG: 8 [8 - **8**] - Karonge mine, galery: Niort, P.L.: MHNG: 1 [1 - **1** - **9**].
Morocco: Sidi Sibara, 3 km SW: Setzer, Henry W.: USNM: 4 [4 - **4** - **4**].
South Africa: Barberton, 14 mi [= 22 km] W: Liversedge, S.J.: USNM: 21 [21 - **21** - **21**].

Total Specimens for 12 October 1969: 34

13 October 1969

Burundi: Zimet Quarter: Niort, P.L.: MHNG: 4 [4 - **4** - **4**].

Total Specimens for 13 October 1969: 4

14 October 1969

Malawi: Nsanje: Irwin, R.J.: KU: 20 [20 - **20** - **20**].

Total Specimens for 14 October 1969: 20

15 October 1969

Togo: Dédomé: Matthias: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 15 October 1969: 7

16 October 1969

Togo: Dédomé: Matthias: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 16 October 1969: 10

17 October 1969

Togo: Dédomé: Matthias: RMCA: 1 [1 - **1**] - Odjolo: Matthias: RMCA: 13 [13 - **13** - **14**].

Total Specimens for 17 October 1969: 14

18 October 1969

Togo: Odjolo: Matthias: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 18 October 1969: 5

19 October 1969

Togo: Odjolo: Matthias: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 19 October 1969: 4

20 October 1969

Morocco: Asni, 2 km N: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Uganda: Mount Moroto: Williams, John George: ROM: 12 [12 - **12** - **12**].

Total Specimens for 20 October 1969: 13

21 October 1969

Burundi: Kanyosha: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Togo: Odjolo: Matthias: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 21 October 1969: 5

23 October 1969

Togo: Odjolo: Matthias: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 23 October 1969: 5

24 October 1969

Togo: Odjolo: Matthias: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 24 October 1969: 7

25 October 1969

Burundi: Zimet Quarter: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Morocco: Tanger, 13 km W: Hearst, M.G.: USNM: 8 [8]; Robbins, Lynn W.: USNM: 13 [13]; Schlitter, Duane Albert: USNM: 9 [9]; Vaden, R.E.: USNM: 8 [8 - **38** - **38**].
Togo: Odjolo: Matthias: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 October 1969: 42

26 October 1969

Niger: Nim tree Forest: Laviolette, S.; *et al.*: ROM: 1 [1 - **1** - **1**].
Togo: Odjolo: Matthias: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 26 October 1969: 4

27 October 1969

Togo: Odjolo: Matthias: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1969: 1

28 October 1969

Niger: Niamey, 8 km W: Laviolette, S.; *et al.*: ROM: 18 [18 - **18** - **18**].
Togo: Odjolo: Matthias: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 28 October 1969: 20

29 October 1969

Niger: Niamey: Laviolette, S.; *et al.*: ROM: 2 [2 - **2** - **2**].
Togo: Odjolo: Matthias: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 29 October 1969: 5

30 October 1969

Ghana: Koforidua: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Niger: Niamey: Laviolette, S.; *et al.*: ROM: 1 [1]; Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **2** - **2**].
Togo: Odjolo: Matthias: RMCA: 7 [7 - **7** - **7**].
Uganda: Kalinzu Forest: Williams, A.: LACM: 1 [1 - **1** - **1**].
Zambia: Ngoma: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1969: 12

31 October 1969

Niger: Niamey: Laviolette, S.; *et al.*: ROM: 5 [5]; Laviolette, S.; Cunningham, G.: ROM: 2 [2 - **7** - **7**].
Togo: Ihounabe: Matthias: RMCA: 3 [3 - **3**] - Odjolo: Matthias: RMCA: 3 [3 - **3** - **6**].
Uganda: Kalinzu Forest: Glen, Robert M.: LACM: 3 [3 - **3** - **3**].

Total Specimens for 31 October 1969: 16

1 November 1969

Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 28 [28 - **28**] - Montembessa cave: ?: Collector Unknown: MNHN: 2 [2 - **2** - **30**].
Niger: Niamey: Laviolette, S.; *et al.*: ROM: 3 [3]; Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **4** - **4**].
Togo: Ihounabe: Matthias: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 1 November 1969: 42

2 November 1969

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **2**].
Niger: Niamey: Laviolette, S.; *et al.*: ROM: 7 [7 - **7** - **7**].

Togo: Ihounabe: Matthias: RMCA: 16 [16 - **16** - **16**].

Total Specimens for 2 November 1969: 25

3 November 1969

Burundi: Rumonge: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 2 [2]; Vissault, Jacques: ZMA: 1 [1 - **3** - **3**].
Niger: Niamey: Laviolette, S.; *et al.*: ROM: 9 [9 - **9** - **9**].
Togo: Azafi: Matthias: RMCA: 10 [10 - **10**] - Ihounabe: Matthias: RMCA: 1 [1 - **1** - **11**].
Zambia: Ngoma: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1969: 25

4 November 1969

Togo: Azafi: Matthias: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 4 November 1969: 3

5 November 1969

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].
Kenya: Diani: Williams: ROM: 1 [1 - **1** - **1**].
Morocco: Assa: Hearst, M.G.: USNM: 11 [11]; Robbins, Lynn W.: USNM: 10 [10]; Schlitter, Duane Albert: USNM: 8 [8]; Setzer, Henry W.: USNM: 11 [11]; Vaden, R.E.: USNM: 9 [9 - **49** - **49**].
Togo: Azafi: Matthias: RMCA: 7 [7 - **7**] - Ebéva: Matthias: RMCA: 3 [3 - **3** - **10**].

Total Specimens for 5 November 1969: 61

6 November 1969

Togo: Ebéva: Matthias: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 6 November 1969: 8

7 November 1969

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Togo: Ebéva: Matthias: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 7 November 1969: 8

8 November 1969

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1** - **1**].
Togo: Ebéva: Matthias: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 8 November 1969: 9

9 November 1969

Morocco: Rabat, 17 km SE: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1** - **1**].
Togo: Ebéva: Matthias: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 9 November 1969: 9

10 November 1969

Nigeria: Ibadan University College: Akpan, S.B.: USNM: 5 [5 - **5** - **5**].
Togo: Ebéva: Matthias: RMCA: 5 [5 - **5** - **5**].
Uganda: Bwamba: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1969: 11

11 November 1969

Togo: Ebéva: Matthias: RMCA: 12 [12 - **12** - **12**].
Zambia: Mpemba village: Ansell, William Frank Harding: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 11 November 1969: 14

12 November 1969

Burundi: Bujumbura: Niort, P.L.: MHNG: 5 [5 - **5**] - Rushubi mine: Niort, P.L.: MHNG: 1 [1 - **1** - **6**].
Togo: Ebéva: Matthias: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 12 November 1969: 20

13 November 1969

Togo: Ebéva: Matthias: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 13 November 1969: 10

14 November 1969

Burundi: Bujumbura: Niort, P.L.: MHNG: 3 [3 - **3** - **3**].
Togo: Ebéva: Matthias: RMCA: 10 [10 - **10** - **10**].
Uganda: Semliki flats: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1969: 14

15 November 1969

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Congo: Mpoka to Méya: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Kenya: Makueni Loc.: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **1**].
Togo: Ebéva: Matthias: RMCA: 17 [17 - **17** - **17**].

Total Specimens for 15 November 1969: 23

16 November 1969

Burundi: Rushubi mine: Niort, P.L.: MHNG: 1 [1 - **1**] - Rushubi Mission, abandoned mine 2 km from: Niort, P.L.: MHNG: 1 [1 - **1** - **2**].
Cameroon: Tombel: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Togo: Ebéva: Matthias: RMCA: 18 [18 - **18** - **18**].

Total Specimens for 16 November 1969: 21

17 November 1969

Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].
Togo: Ebéva: Matthias: RMCA: 12 [12 - **12** - **12**].
Uganda: Budongo Forest: Williams, John George: ROM: 1 [1 - **1**] - Masindi, near: Williams: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2** - **3**].

Total Specimens for 17 November 1969: 17

18 November 1969

Togo: Ebéva: Matthias: RMCA: 17 [17 - **17** - **17**].

Total Specimens for 18 November 1969: 17

19 November 1969

Côte d'Ivoire: Adiopodoumé: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1** - **1**].
Togo: Ebéva: Matthias: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 19 November 1969: 9

20 November 1969

Togo: Ebéva: Matthias: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 20 November 1969: 10

21 November 1969

Togo: Ebéva: Matthias: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 21 November 1969: 4

22 November 1969

Togo: Ebéva: Matthias: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 22 November 1969: 4

23 November 1969

Togo: Ebéva: Matthias: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 23 November 1969: 3

24 November 1969

Togo: Ebéva: Matthias: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 24 November 1969: 3

25 November 1969

Togo: Ebéva: Matthias: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 25 November 1969: 11

26 November 1969

Togo: Ebéva: Matthias: RMCA: 18 [18 - **18** - **18**].
Uganda: Moyo, 10 mi [=16 km] E: ?: Collector Unknown: ROM: 2 [2]; Williams: ROM: 4 [4]; Williams, John George: ROM: 7 [7 - **13** - **13**].

Total Specimens for 26 November 1969: 31

27 November 1969

Togo: Ebéva: Matthias: RMCA: 14 [14 - **14** - **14**].
Uganda: Moyo, 10 mi [=16 km] E: ?: Collector Unknown: ROM: 1 [1]; Williams: ROM: 1 [1]; Williams, John George: ROM: 8, SMF: 1 [9 - **11** - **11**].

Total Specimens for 27 November 1969: 25

28 November 1969

Niger: Niamey, 12.9 km W: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1** - **1**].
Togo: Ebéva: Matthias: RMCA: 15 [15 - **15** - **15**].

Total Specimens for 28 November 1969: 16

29 November 1969

Burundi: Zimet Quarter: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Togo: Aledjo: De Vree, Frits; Van der Straeten, Erik: RMCA: 2 [2 - **2**] - Ebéva: Matthias: RMCA: 2 [2 - **2** - **4**].
Uganda: Gulu: ?: Collector Unknown: ROM: 2 [2 - **2** - **2**].

Total Specimens for 29 November 1969: 7

30 November 1969

Côte d'Ivoire: Banco Forest: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Ghana: Achimota: Laviolette, S.: ROM: 7 [7 - **7** - **7**].
Togo: Aledjo: De Vree, Frits; Van der Straeten, Erik: RMCA: 67 [67 - **67**] - Ebéva: Matthias: RMCA: 12 [12 - **12** - **79**].
Uganda: Masindi, near: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1969: 88

1 December 1969

Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 3 [3 - **3** - **3**].
Kenya: Karen: Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].
Togo: Aledjo: De Vree, Frits; Van der Straeten, Erik: RMCA: 17 [17 - **17** - **17**].

Total Specimens for 1 December 1969: 21

2 December 1969

Botswana: Maun: ?: Collector Unknown: ROM: 4 [4 - **4** - **4**].
Côte d'Ivoire: Diala: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Togo: Aledjo: De Vree, Frits; Van der Straeten, Erik: RMCA: 5 [5 - **5** - **5**].
Zambia: Ngoma: Ansell, William Frank Harding: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 December 1969: 12

3 December 1969

Namibia: Ganab Waterhole: Schlitter, Duane Albert: USNM: 4 [4 - **4** - **4**].

Total Specimens for 3 December 1969: 4

4 December 1969

Togo: Aledjo: De Vree, Frits; Van der Straeten, Erik: RMCA: 3 [3 - **3** - **3**].
Zambia: Ngoma: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1969: 4

5 December 1969

Ghana: Achimota: ?: Collector Unknown: ROM: 1 [1]; Laviolette, S.: ROM: 17 [17 - **18** - **18**].
Togo: Aledjo: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1969: 19

6 December 1969

Ghana: Achimota: Laviolette, S.: ROM: 3 [3 - **3** - **3**].
Namibia: Gobabeb: Schlitter, Duane Albert: USNM: 4 [4 - **4** - **4**].

Total Specimens for 6 December 1969: 7

7 December 1969

Ghana: Achimota: Laviolette, S.: ROM: 9 [9 - **9** - **9**].

Total Specimens for 7 December 1969: 9

8 December 1969

Namibia: Gobabeb: Schlitter, Duane Albert: USNM: 2 [2 - **2**] - Namib Desert Research Station: Schlitter, Duane Albert: USNM: 1 [1 - **1** - **3**].
Togo: Borgou: De Vree, Frits; Van der Straeten, Erik: RMCA: 58 [58 - **58** - **58**].

Total Specimens for 8 December 1969: 61

10 December 1969

Burundi: Zimet Quarter: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Ghana: Boti Falls: Laviolette, S.: ROM: 7 [7 - **7** - **7**].
Togo: Borgou: De Vree, Frits; Van der Straeten, Erik: RMCA: 38 [38 - **38** - **38**].

Total Specimens for 10 December 1969: 47

11 December 1969

Ghana: Accra: Laviolette, S.: ROM: 1 [1 - **1** - **1**].
Namibia: Namib Desert Research Station: Schlitter, Duane Albert: USNM: 1 [1 - **1** - **1**].
Togo: Borgou: De Vree, Frits; Van der Straeten, Erik: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 11 December 1969: 16

12 December 1969

Togo: Borgou: De Vree, Frits; Van der Straeten, Erik: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 12 December 1969: 7

13 December 1969

Congo (Democratic Republic of the): Nshamba: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Bulcha Forest: Largen, M.J.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 13 December 1969: 4

14 December 1969

Togo: Mango: De Vree, Frits; Van der Straeten, Erik: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 14 December 1969: 5

15 December 1969

Togo: Mango: De Vree, Frits; Van der Straeten, Erik: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 15 December 1969: 9

16 December 1969

Togo: Mango: De Vree, Frits; Van der Straeten, Erik: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 16 December 1969: 8

17 December 1969

Ghana: Achimota: Laviolette, S.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1969: 1

18 December 1969

Zambia: Lochinvar NP: Dowsett, Robert Jack: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1969: 1

21 December 1969

Kenya: Coast [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Togo: Apéyémé: De Vree, Frits; Van der Straeten, Erik: RMCA: 2 [2 - **2**] - Dzogbégan: De Vree, Frits; Van der Straeten, Erik: RMCA: 11 [11 - **11** - **13**].

Total Specimens for 21 December 1969: 14

22 December 1969

Togo: Dzogbégan: De Vree, Frits; Van der Straeten, Erik: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 22 December 1969: 5

23 December 1969

Togo: Apéyémé: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1**] - Dzogbégan: De Vree, Frits; Van der Straeten, Erik: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 23 December 1969: 3

24 December 1969

Togo: Klouto: De Vree, Frits; Van der Straeten, Erik: RMCA: 5 [5 - **5**] - Missahohé: De Vree, Frits; Van der Straeten, Erik: RMCA: 10 [10 - **10** - **15**].

Total Specimens for 24 December 1969: 15

25 December 1969

Ghana: Ajemera: Laviolette, S.: ROM: 1 [1 - **1** - **1**].
Togo: Missahohé: De Vree, Frits; Van der Straeten, Erik: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 25 December 1969: 5

26 December 1969

Togo: Missahohé: De Vree, Frits; Van der Straeten, Erik: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 26 December 1969: 6

27 December 1969

Togo: Missahohé: De Vree, Frits; Van der Straeten, Erik: RMCA: 19 [19 - **19** - **19**].

Total Specimens for 27 December 1969: 19

28 December 1969

Togo: Missahohé: De Vree, Frits; Van der Straeten, Erik: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 28 December 1969: 14

29 December 1969

Ethiopia: Gambela: ?: Collector Unknown: SMF: 1 [1]; : SMF: 2 [2 - **3** - **3**].
Togo: Missahohé: De Vree, Frits; Van der Straeten, Erik: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 29 December 1969: 9

31 December 1969

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Butembo: Celis, M.J.; Lejeune, M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 31 December 1969: 3

1 January 1970

"Africa": Unknown locality: ?: Collector Unknown: CUMV: 1 [1 - **1** - **1**].
Cameroon: Unknown locality: Ngam, V.N.: ROM: 1 [1]; Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **2**] - Buéa Station area: Ngam, V.N.: ROM: 1 [1 - **1**] - Tonde: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1** - **4**].
Chad: Djiboulboul: Vielliard, Jacques Marie Edme: MHNG: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 3 [3 - **3**] - Butembo: Celis, M.J.; Lejeune, M.: RMCA: 12 [12 - **12** - **15**].
Equatorial Guinea: Bata: : SMF: 6 [6 - **6** - **6**].
Ghana: Akim Oda, near: Mensah, P.E.: AMNH: 5 [5 - **5**] - Lake Bosumtivi Konlanasi: Mensah, P.E.: AMNH: 1 [1 - **1** - **6**].
Kenya: Sigor, 1 mi [= 1.6 km] SE: Wright, John W.: MVZ: 1 [1 - **1** - **1**].
Togo: Agou: Stoffels: RMCA: 6 [6 - **6** - **6**].
Zambia: Lochinvar ranch: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1970: 43

2 January 1970

Zambia: Lochinvar NP: Dowsett, Robert Jack: MCZ: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1970: 1

3 January 1970

Ghana: Larteh, 5 km S: Laviolette, S.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 3 January 1970: 3

4 January 1970

Ghana: Somanya, 3.2 km E: Laviolette, S.: ROM: 1 [1 - **1** - **1**].
Togo: Lomé: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1970: 2

5 January 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Cameroon: Mount Cameroon: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Ghana: Accra: Laviolette, S.: ROM: 1 [1 - **1**] - Achimota: ?: Collector Unknown: ROM: 1 [1 - **1**] - Larteh Junction: Laviolette, S.: ROM: 21 [21 - **21**] - Larteh, 3 km S: Laviolette, S.: ROM: 1 [1 - **1**] - Shai Hills: Laviolette, S.: ROM: 1 [1 - **1** - **25**].

Total Specimens for 5 January 1970: 28

6 January 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ghana: Achimota: ?: Collector Unknown: ROM: 3 [3 - **3**] - Larteh Junction: Laviolette, S.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 6 January 1970: 5

7 January 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ghana: Shai Hills: Laviolette, S.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 7 January 1970: 6

8 January 1970

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1970: 1

9 January 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 9 January 1970: 2

10 January 1970

Chad: Djiboulboul: Vielliard, Jacques Marie Edme: MHNG: 2 [2 - **2** - **2**].
Sierra Leone: Kissey: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1970: 3

13 January 1970

Congo (Democratic Republic of the): Kasebere: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1970: 1

15 January 1970

Kenya: Mbero area: Ithia, Julius M.K.: LACM: 7 [7 - **7** - **7**].

Total Specimens for 15 January 1970: 7

17 January 1970

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Mbero area: Ithia, Julius M.K.: LACM: 11 [11 - **11** - **12**].

Total Specimens for 17 January 1970: 12

18 January 1970

Burundi: Gihanga: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Cameroon: Keboko, 8 km W: Peterson, Randolph L.: ROM: 8 [8 - **8**] - Obala, 12 km S, 4 km E: Peterson, Randolph L.: ROM: 1 [1 - **1** - **9**].
Kenya: Mbero area: Ithia, Julius M.K.: LACM: 5 [5 - **5** - **5**].

Total Specimens for 18 January 1970: 16

19 January 1970

Cameroon: Obala, 12 km S, 4 km E: Peterson, Randolph L.: ROM: 13 [13 - **13** - **13**].

Total Specimens for 19 January 1970: 13

20 January 1970

Cameroon: Obala, 12 km S, 4 km E: Peterson, Randolph L.: ROM: 5 [5 - **5** - **5**].

Ghana: Elemina: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Kenya: Kalama Hills: Kyongo, Robert N.: LACM: 16 [16 - **16** - **16**].

Total Specimens for 20 January 1970: 22

22 January 1970

Cameroon: Kumba: Peterson, Randolph L.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 22 January 1970: 4

23 January 1970

Cameroon: Kumba: Peterson, Randolph L.: ROM: 4 [4]; Peterson, Randolph L.; *et al.*: ROM: 1 [1]; Peterson, Randolph L.; Glen, Robert M.; Curry, Noreen: ROM: 1 [1 - **6** - **6**].
Kenya: Mbero Rocks: Kyongo, Robert N.: LACM: 2 [2 - **2** - **2**].

Total Specimens for 23 January 1970: 8

24 January 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Kumba: Peterson, Randolph L.: ROM: 2 [2 - **2**] - Ongoo near Mukono: Peterson, Randolph L.: ROM: 15 [15 - **15** - **17**].

Total Specimens for 24 January 1970: 18

25 January 1970

Burundi: Gihanga: Niort, P.L.: MHNG: 10 [10 - **10** - **10**].
Cameroon: Kumba: Peterson, Randolph L.: ROM: 9 [9 - **9**] - Kumba, 15 km S: Peterson, Randolph L.: ROM: 8 [8]; Peterson, Randolph L.; *et al.*: ROM: 11 [11 - **19** - **28**].
Kenya: Mbero Rocks: Kyongo, Robert N.: LACM: 3 [3 - **3** - **3**].

Total Specimens for 25 January 1970: 41

26 January 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Man O'War Bay: Peterson, Randolph L.: ROM: 6 [6 - **6** - **6**].
Kenya: Mbero Rocks: Kyongo, Robert N.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1970: 8

27 January 1970

Cameroon: Kumba, 15 km S: Peterson, Randolph L.: ROM: 9 [9]; Peterson, Randolph L.; *et al.*: ROM: 11 [11 - **20** - **20**].
South Africa: Augrabies Falls-NP: Rautenbach, Ignatius Lourens [=Naas]; Lombard, L.J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1970: 21

28 January 1970

Cameroon: Kumba: Peterson, Randolph L.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1970: 1

29 January 1970

Cameroon: Mbouda, 15 km SSE: Peterson, Randolph L.: ROM: 14 [14]; Peterson, Randolph L.; Glen, Robert M.: ROM: 13 [13 - **27** - **27**].
South Africa: Augrabies Waterfall Natational Park: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 29 January 1970: 29

30 January 1970

Cameroon: Mbouda, 15 km SSE: Peterson, Randolph L.: ROM: 2 [2]; Peterson, Randolph L.; Glen, Robert M.: ROM: 11 [11 - **13** - **13**].
Côte d'Ivoire: Adiopodoumé: ORSTOM: RMCA: 1 [1 - **1** - **1**].
Ghana: Elemina: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 January 1970: 15

31 January 1970

Cameroon: Mbouda, 15 km SSE: Peterson, Randolph L.: ROM: 2 [2 - **2**] - Metchum River: Peterson, Randolph L.: ROM: 6 [6 - **6** - **8**].
Sierra Leone: Murray Town: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1970: 9

1 February 1970

Burundi: Rwintare: Niort, P.L.: MHNG: 3 [3 - **3** - **3**].
Cameroon: Agyati: Peterson, Randolph L.: ROM: 2 [2 - **2**] - Bafut: Peterson, Randolph L.: ROM: 5 [5]; Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **7**] - Bafut Agyati, 2 km E: Peterson, Randolph L.: ROM: 4 [4 - **4** - **13**].
Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 1 February 1970: 19

2 February 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Cameroon: Bafut: Peterson, Randolph L.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1970: 3

3 February 1970

Cameroon: Mayo Darle, 6 km N: Peterson, Randolph L.: ROM: 11 [11 - **11** - **11**].

Total Specimens for 3 February 1970: 11

4 February 1970

Cameroon: Banyo, 30 km ESE: Peterson, Randolph L.: ROM: 9 [9 - **9**] - Mayo Darle, 10 km N: Peterson, Randolph L.: ROM: 5 [5 - **5** - **14**].

Total Specimens for 4 February 1970: 14

5 February 1970

Cameroon: Banyo, 30 km ESE: ?: Collector Unknown: BRTC: 2 [2]; Peterson, Randolph L.: ROM: 28 [28 - **30** - **30**].

Total Specimens for 5 February 1970: 30

6 February 1970

Cameroon: Meng River: Peterson, Randolph L.: ROM: 2 [2 - **2**] - Tibati air strip: Peterson, Randolph L.: ROM: 34 [34 - **34** - **36**].
Sierra Leone: Kent: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1970: 37

7 February 1970

Cameroon: Meng River: Peterson, Randolph L.: ROM: 11 [11 - **11**] - Tibati air strip: Peterson, Randolph L.: ROM: 46 [46]; Peterson, Randolph L.; Glen, Robert M.: ROM: 1 [1 - **47** - **58**].

Total Specimens for 7 February 1970: 58

8 February 1970

Cameroon: Meng River: Peterson, Randolph L.: ROM: 9 [9 - **9** - **9**].
Ethiopia: Gambela Hizboch region [=Gambela region]: : SMF: 1 [1 - **1** - **1**].
Sierra Leone: Kent: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1970: 11

9 February 1970

Cameroon: Yoko, 34 km S: Peterson, Randolph L.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1970: 1

10 February 1970

Cameroon: Ndjole, 6 km N: Peterson, Randolph L.: ROM: 1 [1 - **1** - **1**].

Ethiopia: Gambela: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Liberia: Belle Yella: Johnson: RMCA: 3 [3 - **3** - **3**].
Sierra Leone: Kissey: Cousins, S.H.; Pitt, D.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 10 February 1970: 8

11 February 1970

Cameroon: Malako River: Peterson, Randolph L.: ROM: 14 [14 - **14** - **14**].
Chad: Léré: Vielliard, Jacques Marie Edme: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 11 February 1970: 16

12 February 1970

Cameroon: Bipindi, 10 km W: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Obala, 12 km S, 11 km E: Peterson, Randolph L.: ROM: 5 [5 - **5**] - Obala, 12 km S, 4 km E: Peterson, Randolph L.: ROM: 15 [15]; Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **17** - **23**].
Sierra Leone: Kent: Pitt, D.: ROM: 1 [1 - **1**] - Mount Aureol: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 12 February 1970: 25

13 February 1970

Cameroon: Obala, 12 km S, 11 km E: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Obala, 12 km S, 4 km E: Peterson, Randolph L.: ROM: 5 [5 - **5**] - Sou Mou River: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1]; Peterson, Randolph L.: ROM: 2 [2]; Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: ROM: 1 [1 - **4** - **10**].
Ethiopia: Gambela: Largen, M.J.: BMNH: 1 [1 - **1** - **1**].
Sierra Leone: Mount Aureol: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1** - **1**].
Zambia: Lochinvar: Dowsett, Robert Jack: NMZL: 2 [2 - **2** - **2**].

Total Specimens for 13 February 1970: 14

14 February 1970

Cameroon: Sou Mou River: Peterson, Randolph L.: ROM: 5 [5 - **5** - **5**].
Congo (Democratic Republic of the): Kasebere: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].
Sierra Leone: Mount Aureol: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1970: 8

15 February 1970

Cameroon: Sou Mou River: Peterson, Randolph L.: ROM: 8 [8]; Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: ROM: 2 [2 - **10** - **10**].

Total Specimens for 15 February 1970: 10

16 February 1970

Cameroon: Mvenge, 6 km W: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Sou Mou River: Peterson, Randolph L.: ROM: 4 [4]; Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: ROM: 1 [1 - **5** - **6**].

Total Specimens for 16 February 1970: 6

17 February 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Kumba: Lawler, R.S.: ROM: 1 [1 - **1**] - Mvenge, 6 km W: Peterson, Randolph L.: ROM: 5 [5 - **5** - **6**].

Total Specimens for 17 February 1970: 7

18 February 1970

Cameroon: Bipindi, 10 km W: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Mvenge, 6 km W: Peterson, Randolph L.: ROM: 4 [4 - **4**] - Mvengue, 3 km W, 1 km N: Peterson, Randolph L.: ROM: 3 [3 - **3** - **8**].
Zimbabwe: Peterhouse School: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1970: 9

19 February 1970

Cameroon: Bipindi, 10 km W: Peterson, Randolph L.: ROM: 9 [9]; Peterson, Randolph L.; *et al.*: ROM: 1 [1]; Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: ROM: 1 [1 - **11** - **11**].

Total Specimens for 19 February 1970: 11

20 February 1970

Cameroon: Bipindi, 10 km W: Peterson, Randolph L.: ROM: 3 [3 - **3**] - Kiribi, 14 km N: Peterson, Randolph L.: ROM: 3 [3 - **3**] - Kiribi, 4 km E: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Kiribi, 7 km E: Peterson, Randolph L.: ROM: 1 [1 - **1** - **8**].
Sierra Leone: Mount Aureol: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1970: 9

21 February 1970

Cameroon: Kiribi, 14 km N: Peterson, Randolph L.: ROM: 3 [3 - **3**] - Kiribi, 9 km N: Peterson, Randolph L.: ROM: 2 [2 - **2**] - Kiribi, 9 km W: Peterson, Randolph L.: ROM: 2 [2 - **2**] - Kribi: Peterson, Randolph L.: ROM: 1 [1 - **1** - **8**].

Total Specimens for 21 February 1970: 8

22 February 1970

Cameroon: Kiribi, 14 km N: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Kiribi, 9 km N: Peterson, Randolph L.: ROM: 1 [1 - **1**] - Kribi, 8 km SE: Peterson, Randolph L.: ROM: 3 [3]; Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **4** - **6**].
Kenya: Unknown locality: Schmutter, H.; Kock, Dieter: SMF: 1 [1 - **1** - **1**].
Sierra Leone: York: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1970: 8

23 February 1970

Côte d'Ivoire: Lamto: Bellier, Louis: RMCA: 1 [1 - **1** - **1**].
Morocco: Ouarzazate, 5 km S: Robbins, Lynn W.: USNM: 2 [2 - **2**] - Ouarzazate, 6 km N: Hearst, M.G.: USNM: 2 [2]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **5**].

Total Specimens for 23 February 1970: 6

24 February 1970

Morocco: Ouarzazate, 5 km S: Hearst, M.G.: USNM: 2 [2]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **3**].
Zimbabwe: Peterhouse School: Ginn, P.J.G.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1970: 4

26 February 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Côte d'Ivoire: Lamto: Bellier, Louis: RMCA: 2 [2 - **2** - **2**].
Morocco: Ouarzazate, 9 km SE: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 26 February 1970: 6

27 February 1970

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 2 [2 - **2**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **3**].

Total Specimens for 27 February 1970: 3

1 March 1970

Ethiopia: Didessa River: Largen, M.J.: BMNH: 10 [10 - **10**] - Didessa river bridge: Largen, M.J.: BMNH: 1 [1 - **1** - **11**].
Uganda: Manjasi High School: Hawkins, James D.; Van der Vegten, J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1970: 12

3 March 1970

Chad: Djiboulboul: Vielliard, Jacques Marie Edme: MHNG: 3 [3 - **3** - **3**].
Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 8 [8 - **8** - **8**].

Total Specimens for 3 March 1970: 11

4 March 1970

Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 123 [123 - **123** - **123**].
Morocco: Ouarzazate, 3 km NW: Hearst, M.G.: USNM: 2 [2 - **2**] - Tazarine: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 2 [2 - **3**] - Tazarine, 3 km NW: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 2 [2 - **3** - **8**].

Total Specimens for 4 March 1970: 131

5 March 1970

Morocco: Tazarine, 3 km NW: Hearst, M.G.: USNM: 20 [20]; Robbins, Lynn W.: USNM: 15 [15 - **35** - **35**].
Uganda: Manjasi High School: Hawkins, James D.; Van der Vegten, J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 5 March 1970: 37

6 March 1970

Sierra Leone: Newton: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1970: 1

7 March 1970

Kenya: Sigor, 1 mi [= 1.6 km] SE: Wright, John W.: MVZ: 3 [3 - **3** - **3**].

Total Specimens for 7 March 1970: 3

8 March 1970

Burundi: Rubindi cave: Niort, P.L.: MHNG: 11 [11 - **11** - **11**].
Kenya: Sigor, 1 mi [= 1.6 km] SE: Wright, John W.: MVZ: 1 [1 - **1** - **1**].
Uganda: Manjasi High School: Hawkins, James D.; Van der Vegten, J.: ZMA: 10 [10 - **10** - **10**].

Total Specimens for 8 March 1970: 22

10 March 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 3 [3 - **3** - **3**].
Morocco: Foum Zguid: Hearst, M.G.: USNM: 2 [2]; Robbins, Lynn W.: USNM: 2 [2 - **4**] - Foum Zguid, 4 km S: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **6**].
Sierra Leone: Newton: Cousins, S.H.; Pitt, D.: ROM: 2 [2 - **2** - **2**].
Zimbabwe: Peterhouse School: Ginn, P.J.G.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1970: 12

11 March 1970

Morocco: Foum Zguid, 4 km S: Robbins, Lynn W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 11 March 1970: 2

12 March 1970

Togo: Korrekope: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 12 March 1970: 4

13 March 1970

Egypt: Ikingi Mariut: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].

Total Specimens for 13 March 1970: 2

14 March 1970

Ethiopia: Didessa River: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 14 March 1970: 2

15 March 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1970: 1

16 March 1970

Morocco: Tata, 15 km S: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 2 [2 - **3**] - Tata, 8 km N: Hearst, M.G.: USNM: 6 [6]; Robbins, Lynn W.: USNM: 6 [6 - **12** - **15**].

Total Specimens for 16 March 1970: 15

17 March 1970

Guinea: Conakry [= Konakry, Konakri]: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].
Morocco: Tata, 15 km S: Hearst, M.G.: USNM: 2 [2]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **3**].

Total Specimens for 17 March 1970: 4

18 March 1970

Chad: Irtou: Vielliard, Jacques Marie Edme: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1970: 1

19 March 1970

Zimbabwe: Unknown locality: Irwin, Michael P. Stuart: HZM: 1, NHMZ: 5 [6 - **6**] - Gleneagles: Irwin, Michael P. Stuart: ZMA: 1 [1]; Irwin, Michael P. Stuart; *et al.*: NHMZ: 1 [1]; Irwin, S.: ZMA: 1 [1 - **3** - **9**].

Total Specimens for 19 March 1970: 9

21 March 1970

Kenya: Amukura: Hawkins, James D.: ROM: 12 [12 - **12**] - Saint Paul's Akukura Secondary School: Hawkins, James D.: ROM: 1 [1 - **1** - **13**].

Total Specimens for 21 March 1970: 13

22 March 1970

Cameroon: Great Soppo Forest: Ngam, V.N.: ROM: 3 [3 - **3** - **3**].
Kenya: Kamuani: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **1**].
Uganda: Tororo: Hawkins, James D.: ROM: 13 [13 - **13** - **13**].

Total Specimens for 22 March 1970: 17

23 March 1970

Burundi: Makamba: Niort, P.L.: MHNG: 5 [5 - **5** - **5**].
Côte d'Ivoire: Lamto: ORSTOM: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1970: 6

24 March 1970

Kenya: Kyanguli: Ithia, Julius M.K.: LACM: 2 [2 - **2** - **2**].

Total Specimens for 24 March 1970: 2

25 March 1970

Burundi: Mpinga cave: Niort, P.L.: MHNG: 8 [8 - **8** - **8**].
Cameroon: Great Soppo Forest: Ngam, V.N.: ROM: 3 [3 - **3** - **3**].
Chad: Maïlao [3 locs]: Vielliard, Jacques Marie Edme: MHNG: 1 [1 - **1** - **1**].
Uganda: Tororo: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1970: 13

26 March 1970

Burundi: Mpinga mission: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1970: 3

27 March 1970

Cameroon: Great Soppo Forest: Ngam, V.N.: ROM: 10 [10 - **10** - **10**].

Total Specimens for 27 March 1970: 10

28 March 1970

Cameroon: Great Soppo Forest: Ngam, V.N.: ROM: 8 [8 - **8** - **8**].
Uganda: Pope Pius X Seminary: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1970: 9

29 March 1970

Cameroon: Mpundu: Ngam, V.N.: ROM: 9 [9 - **9** - **9**].
Uganda: Pope Pius X Seminary: Hawkins, James D.; Van der Vegten, J.: ZMA: 23 [23 - **23** - **23**].

Total Specimens for 29 March 1970: 32

30 March 1970

Guinea: Conakry [= Konakry, Konakri]: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1970: 1

31 March 1970

Côte d'Ivoire: Adiopodoumé: ORSTOM: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1970: 1

1 April 1970

Guinea: Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].
South Africa: Komatipoort: White, A.G.: TM: 1 [1 - **1**] - Komatipoort, 3.2 km N: White, A.G.: TM: 1 [1 - **1** - **2**].

Total Specimens for 1 April 1970: 3

4 April 1970

Cameroon: Tonde: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1** - **1**].
Uganda: Manjasi High School: Hawkins, James D.: CAS: 4 [4 - **4** - **4**].

Total Specimens for 4 April 1970: 5

5 April 1970

Guinea: Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1970: 1

7 April 1970

South Africa: midtown: Potgieter: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1970: 1

8 April 1970

Burundi: Gihanga: Niort, P.L.: MHNG: 5 [5 - **5** - **5**].

Total Specimens for 8 April 1970: 5

11 April 1970

Burundi: Gihanga: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Cameroon: Melen: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1** - **1**].
Kenya: Unknown locality: ?: Collector Unknown: SMF: 10 [10 - **10**] - Aruba Lodge: ?: Collector Unknown: SMF: 2 [2]; Kock, Dieter: SMF: 2 [2 - **4** - **14**].

Total Specimens for 11 April 1970: 17

12 April 1970

Namibia: Poppa rapids: Haacke, W.D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1970: 1

13 April 1970

Morocco: Chichaoua, 20 km S: Vaden, R.E.: USNM: 23 [23 - **23** - **23**].
Uganda: Sukuli Hills: Hawkins, James D.: ROM: 41 [41 - **41** - **41**].

Total Specimens for 13 April 1970: 64

14 April 1970

Burundi: Kanyosha: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Zambia: Chief Chitanda: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1970: 2

15 April 1970

Cameroon: Yabassi: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 3 [3 - **3** - **3**].
Morocco: Safi, 13 km S: Hearst, M.G.: USNM: 5 [5]; Robbins, Lynn W.: USNM: 6 [6 - **11** - **11**].
South Africa: Ndumu Game Reserve: ?: Collector Unknown: TM: 3 [3]; Gutteling: TM: 2 [2 - **5** - **5**].

Total Specimens for 15 April 1970: 19

16 April 1970

Kenya: Kitale Township, W of: Barton, Miles: ROM: 1 [1 - **1** - **1**].
Uganda: Sukuli Hills: Hawkins, James D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 16 April 1970: 3

18 April 1970

Cameroon: Yabassi: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1** - **1**].
Morocco: Safi, 13 km S: Hearst, M.G.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1970: 2

20 April 1970

Nigeria: Ibadan: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1970: 1

22 April 1970

Guinea: Kallendu: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].
Morocco: Mechra Benabbou, 11 km SE: Hearst, M.G.: USNM: 32 [32]; Robbins, Lynn W.: USNM: 31 [31 - **63** - **63**].
Nigeria: Ibadan: Akpan, S.B.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 22 April 1970: 66

23 April 1970

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 2 [2 - **2**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 4 [4 - **4** - **6**].

Total Specimens for 23 April 1970: 6

24 April 1970

Cameroon: Mamfe: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 3 [3 - **3** - **3**].
Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 2 [2 - **2**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 4 [4 - **4** - **6**].
Guinea: Foutadjalon Mt, Kallendu,cave: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1970: 10

25 April 1970

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 5 [5 - **5**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 7 [7 - **7** - **12**].

Total Specimens for 25 April 1970: 12

26 April 1970

Mozambique: Luabo: Smith, 1: HZM: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1970: 1

27 April 1970

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 4 [4 - **4** - **5**].
Tanzania: Nkome: Jonathan, J.: ROM: 15 [15 - **15** - **15**].

Total Specimens for 27 April 1970: 20

29 April 1970

Tanzania: Isamico: Jonathan, J.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 29 April 1970: 5

30 April 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 4 [4 - **4**] - Cameroon Mountain Cave: Ngam, V.N.: ROM: 1 [1 - **1** - **5**].

Total Specimens for 30 April 1970: 5

1 May 1970

Cameroon: Bélabo: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1** - **1**].
Liberia: Baloma: Johnson: RMCA: 1 [1 - **1**] - Zorzor: Johnson: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 1 May 1970: 3

2 May 1970

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].
Tanzania: Mpapua [=Mpwapwa]: Barkhouse, P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1970: 6

3 May 1970

Cameroon: Dokoa: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 4 [4 - **4** - **4**].
Tanzania: Mpapua [=Mpwapwa]: Barkhouse, P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1970: 5

4 May 1970

Congo (Democratic Republic of the): Mule: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1970: 1

5 May 1970

Morocco: Tiflet, 21 km W: Hearst, M.G.: USNM: 5 [5]; Robbins, Lynn W.: USNM: 5 [5 - **10** - **10**].

Total Specimens for 5 May 1970: 10

6 May 1970

Cameroon: Dokoa: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 2 [2 - **2** - **2**].
Morocco: Tiflet, 15 km W: Hearst, M.G.: USNM: 6 [6]; Robbins, Lynn W.: USNM: 6 [6 - **12** - **12**].

Total Specimens for 6 May 1970: 14

7 May 1970

Kenya: Sigor, 1 mi [= 1.6 km] SE: Wright, John W.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1970: 1

8 May 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 1 [1 - **1**] - Buea Town Forest: Ngam, V.N.: ROM: 2 [2 - **2** - **3**].
Morocco: Taounate, 15 km WSW: Vaden, R.E.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 8 May 1970: 8

9 May 1970

Cameroon: Nachtigal: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 8 [8 - **8** - **8**].
Morocco: Taounate, 15 km WSW: Vaden, R.E.: USNM: 6 [6 - **6** - **6**].
Uganda: Budongo Forest: Bampton, I.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1970: 15

11 May 1970

Cameroon: Nachtigal: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 12 [12 - **12** - **12**].
Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].
Morocco: Larache, 20 km S: Hearst, M.G.: USNM: 1 [1 - **1**] - Taounate, 15 km WSW: Vaden, R.E.: USNM: 4 [4 - **4** - **5**].

Total Specimens for 11 May 1970: 18

12 May 1970

Cameroon: Nachtigal: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 18 [18 - **18** - **18**].
Congo (Democratic Republic of the): Mule: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Morocco: Taounate, 15 km WSW: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1970: 20

13 May 1970

Cameroon: Great Soppo Forest: Ngam, V.N.: ROM: 11 [11 - **11** - **11**].
Morocco: Hercules caves: Hearst, M.G.: USNM: 41 [41]; Robbins, Lynn W.: USNM: 35 [35 - **76** - **76**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1970: 88

14 May 1970

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].
Morocco: Hercules caves: Hearst, M.G.: USNM: 47 [47]; Robbins, Lynn W.: USNM: 47 [47 - **94** - **94**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1970: 98

15 May 1970

Cameroon: Tote Tea Forest: Ngam, V.N.: ROM: 5 [5 - **5** - **5**].
Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 8 [8]; Vissault, Jacques: ZMA: 6 [6 - **14** - **14**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 15 May 1970: 21

16 May 1970

Tanzania: Chandege: Jonathan, J.: ROM: 1 [1 - **1** - **1**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1970: 2

17 May 1970

Tanzania: Mara: Jonathan, J.: ROM: 5 [5 - **5**] - Mugeta: Jonathan, J.: ROM: 4 [4 - **4** - **9**].
Uganda: Budongo Forest: Bampton, I.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1970: 10

18 May 1970

Kenya: Kyengole Rocks: Ithia, Julius M.K.: LACM: 7 [7 - **7** - **7**].
Tanzania: Mara: Jonathan, J.: ROM: 1 [1 - **1**] - Mwanihana forest: Jonathan, J.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 18 May 1970: 9

19 May 1970

Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1970: 1

20 May 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Cameroon: Ebogo: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 2 [2 - **2** - **2**].
Kenya: Kyengole Rocks: Ithia, Julius M.K.: LACM: 9 [9 - **9**] - Rift Valley [former] province: ?: Collector Unknown: SMF: 19 [19 - **19** - **28**].

Total Specimens for 20 May 1970: 32

21 May 1970

Burundi: Gihanga: Niort, P.L.: MHNG: 6 [6 - **6** - **6**].
Kenya: Mbero Rocks: Ithia, Julius M.K.: LACM: 6 [6 - **6** - **6**].
Morocco: Chechaouen: Hearst, M.G.: USNM: 22 [22]; Robbins, Lynn W.: USNM: 19 [19 - **41** - **41**].
Uganda: Manjasi High School: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1970: 54

22 May 1970

Cameroon: Unknown locality: Ngam, V.N.: ROM: 1 [1 - **1**] - Tote Tea Forest: Ngam, V.N.: ROM: 4 [4 - **4** - **5**].
Morocco: Nador, 20 km SE: Vaden, R.E.: USNM: 28 [28 - **28** - **28**].
Nigeria: Kware: Akpan, S.B.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 22 May 1970: 36

23 May 1970

Morocco: Nador, 20 km SE: Vaden, R.E.: USNM: 14 [14 - **14** - **14**].
Nigeria: Kware: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1970: 15

24 May 1970

Cameroon: small Soppo: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Guinea: Foutadjalon Mt, Kallendu,cave: Ferencz, Károly: HNHM: 4 [4 - **4** - **4**].
Morocco: Chechaouen: Robbins, Lynn W.: USNM: 1 [1 - **1**] - Nador, 20 km SE: Vaden, R.E.: USNM: 8 [8 - **8** - **9**].
Namibia: Daan Viljoen Park: Clinning, C.F.: SMW: 1 [1 - **1** - **1**].
South Africa: Pietermaritzburg University Campus: Wingate, Lloyd R.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1970: 16

25 May 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 5 [5 - **5** - **5**].
Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **3**].
Morocco: Chechaouen: Hearst, M.G.: USNM: 5 [5 - **5**] - Nador, 20 km SE: Vaden, R.E.: USNM: 10 [10 - **10** - **15**].
Nigeria: Kware: Akpan, S.B.: USNM: 1 [1 - **1** - **1**].
Uganda: Manjasi High School: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1970: 25

26 May 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 2 [2 - **2**] - Ebogo: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 8 [8 - **8** - **10**].
Morocco: Nador, 20 km SE: Vaden, R.E.: USNM: 4 [4 - **4** - **4**].

Tanzania: Rubondo [island]: Jonathan, J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 26 May 1970: 16

27 May 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].
Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].
Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 8 [8 - **8** - **8**].
Tanzania: Rubondo [island]: Jonathan, J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 27 May 1970: 13

28 May 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].
Morocco: Al Hoceima, 9 km SE: Hearst, M.G.: USNM: 3 [3]; Robbins, Lynn W.: USNM: 3 [3 - **6** - **6**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 2, ROM: 14 [16 - **16** - **16**].

Total Specimens for 28 May 1970: 24

29 May 1970

Tanzania: Nkome: Jonathan, J.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 29 May 1970: 7

30 May 1970

Morocco: Al Hoceima: Hearst, M.G.: USNM: 45 [45]; Robbins, Lynn W.: USNM: 43 [43 - **88** - **88**].
Tanzania: Nyamboge: Jonathan, J.: ROM: 21 [21 - **21** - **21**].

Total Specimens for 30 May 1970: 109

31 May 1970

Nigeria: Baga-Kawa: Vielliard, Jacques Marie Edme: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1970: 1

1 June 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 3 [3 - **3**] - Njombo River: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **1** - **4**].
Gabon: Bélinga: Emmons, Louise H.: CUMV: 2 [2 - **2** - **2**].
Niger: Unknown locality: Koeman, J.H.: ZMA: 1 [1 - **1** - **1**].
South Africa: Brandfort: Van der Linde, J.A.: TM: 1 [1 - **1**] - Petrusburg: ?: Collector Unknown: NMB: 1 [1 - **1** - **2**].
Uganda: Manjasi High School: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1970: 10

2 June 1970

Burundi: Buhonga: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Morocco: Ouezzane, 10 km W: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].
Uganda: Manjasi High School: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 2 June 1970: 4

3 June 1970

Cameroon: CDC Banana Research Station: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Morocco: Taforalt, 3 km NE: Hearst, M.G.: USNM: 2 [2 - **2**] - Taforalt, 9 km NE: Hearst, M.G.: USNM: 30 [30]; Robbins, Lynn W.: USNM: 30 [30 - **60** - **62**].

Total Specimens for 3 June 1970: 63

4 June 1970

Uganda: Tororo, 10 km SSW: Hawkins, James D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1970: 1

5 June 1970

Morocco: Taforalt, 9 km NE: Hearst, M.G.: USNM: 57 [57]; Robbins, Lynn W.: USNM: 57 [57 - **114** - **114**].
Uganda: Mulanda: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1970: 115

6 June 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 6 June 1970: 4

7 June 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 7 June 1970: 4

9 June 1970

Cameroon: Buéa: Ngam, V.N.: ROM: 3 [3 - **3**] - small Soppo: Ngam, V.N.: ROM: 2 [2 - **2** - **5**].
Guinea: Kallendu: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 9 June 1970: 6

11 June 1970

Cameroon: Eyen Meyong: Nomo: RMCA: 4 [4 - **4** - **4**].
Namibia: Orongo Water Affairs Camp: Coetzee, C.G.: SMW: 4 [4 - **4** - **4**].

Total Specimens for 11 June 1970: 8

12 June 1970

Cameroon: Lékoun: Nomo: RMCA: 8 [8 - **8** - **8**].
Congo (Democratic Republic of the): Bitale: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 June 1970: 10

13 June 1970

Cameroon: Njombo River: Glen, Robert M.; Ngam, V.N.: ROM: 38 [38 - **38** - **38**].

Total Specimens for 13 June 1970: 38

14 June 1970

Cameroon: Lomié: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Bitale: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 June 1970: 3

15 June 1970

Cameroon: Lomié: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1970: 1

16 June 1970

Cameroon: Lomié: Glen, Robert M.; Ngam, V.N.: ROM: 8 [8 - **8** - **8**].
Morocco: Taza, 13 km S: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **2**].
Uganda: Mulanda: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1970: 12

17 June 1970

Cameroon: Lomié: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **1**] - Lomié, 4 km from: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **1** - **2**].

Uganda: Mulanda: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 17 June 1970: 4

18 June 1970

Cameroon: Lomié, 40 km N: Glen, Robert M.; Ngam, V.N.: ROM: 10 [10]; Ngam, V.N.; Glen, Robert M.: ROM: 2 [2 - **12** - **12**].
Congo (Democratic Republic of the): Kasebere: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Uganda: Mulanda: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1970: 14

19 June 1970

Cameroon: Lomié, 40 km N: Glen, Robert M.; Ngam, V.N.: ROM: 6 [6 - **6**] - Njombo River: Glen, Robert M.; Ngam, V.N.: ROM: 2 [2 - **2** - **8**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1970: 9

20 June 1970

Botswana: Maun: RN: FMNH: 1 [1 - **1** - **1**].
Cameroon: Njombo River: Glen, Robert M.; Ngam, V.N.: ROM: 22 [22 - **22** - **22**].

Total Specimens for 20 June 1970: 23

21 June 1970

Cameroon: Njombo River: Glen, Robert M.; Ngam, V.N.: ROM: 27 [27]; Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **28** - **28**].
Congo (Democratic Republic of the): Bitale: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1970: 29

22 June 1970

Cameroon: Njombo River: Glen, Robert M.; Ngam, V.N.: ROM: 5 [5 - **5** - **5**].
Gabon: Makokou: Bradbury, Jack W.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1970: 6

24 June 1970

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].
Uganda: Mulanda: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1970: 5

25 June 1970

Congo (Democratic Republic of the): Kasebere: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Guéboua: ORSTOM: ZMA: 1 [1 - **1** - **1**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1**] - Mulanda: Hawkins, James D.: CAS: 1 [1 - **1** - **2**].

Total Specimens for 25 June 1970: 4

26 June 1970

Cameroon: Muyuka [= Muea]: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].
Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1970: 3

27 June 1970

Cameroon: Muyuka [= Muea]: Ngam, V.N.: ROM: 6 [6 - **6** - **6**].
Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 27 June 1970: 8

28 June 1970

Cameroon: Muyuka [= Muea]: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].
Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Morocco: Missour: Hearst, M.G.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1970: 8

29 June 1970

Cameroon: Lékoun: Nomo: RMCA: 6 [6 - **6**] - Muyuna Town: Ngam, V.N.: ROM: 1 [1 - **1** - **7**].
Côte d'Ivoire: Korhogo, 180 km E: Ailanjian, M.D.: LACM: 1 [1 - **1** - **1**].
Morocco: Missour, 15 km SW: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 29 June 1970: 10

30 June 1970

Morocco: Missour: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Uganda: Masindi district: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1970: 2

1 July 1970

Cameroon: CDC Banana Research Station: Ngam, V.N.: ROM: 4 [4 - **4** - **4**].
Chad: Bébédjia: Lourens, J.H.: AMNH: 6 [6 - **6** - **6**].
Côte d'Ivoire: Lamto: ORSTOM: RMCA: 3 [3]; Vissault, Jacques: ZMA: 2 [2 - **5**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 10 [10 - **10** - **15**].
Gabon: Makokou: Bradbury, Jack W.: CUMV: 3 [3]; Emmons, Louise H.: CUMV: 4 [4 - **7** - **7**].
Morocco: Missour, 15 km SW: Hearst, M.G.: USNM: 3 [3]; Robbins, Lynn W.: USNM: 2 [2 - **5** - **5**].

Total Specimens for 1 July 1970: 37

2 July 1970

Cameroon: CDC Banana Research Station: Ngam, V.N.: ROM: 12 [12 - **12** - **12**].
Côte d'Ivoire: Lamto: ORSTOM: RMCA: 2 [2 - **2**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 3 [3 - **3** - **5**].
Morocco: Anoual: Hearst, M.G.: USNM: 2 [2]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **3**].

Total Specimens for 2 July 1970: 20

3 July 1970

Cameroon: CDC Banana Research Station: Ngam, V.N.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 3 July 1970: 7

4 July 1970

Cameroon: CDC Banana Research Station: Ngam, V.N.: ROM: 21 [21 - **21** - **21**].
Côte d'Ivoire: Lamto: ORSTOM: RMCA: 2 [2 - **2**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **4**].

Total Specimens for 4 July 1970: 25

5 July 1970

Cameroon: CDC Banana Research Station: Ngam, V.N.: ROM: 20 [20 - **20** - **20**].
Côte d'Ivoire: Lamto: ORSTOM: RMCA: 2 [2 - **2**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **4**].

Total Specimens for 5 July 1970: 24

6 July 1970

Cameroon: Muyuka [= Muea]: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Lubumbashi: Peelman: RBINS: 4 [4 - **4** - **4**].
Gabon: Makokou: Bradbury, Jack W.: AMNH: 1 [1 - **1** - **1**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1**] - Tororo, 10 km SSW: Hawkins, James D.: ROM: 3 [3 - **3** - **4**].

Total Specimens for 6 July 1970: 11

7 July 1970

Cameroon: Chop farm: Ngam, V.N.: ROM: 2 [2 - **2**] - Ekona: Ngam, V.N.: ROM: 1 [1 - **1** - **3**].
Uganda: Tororo, 10 km SSW: Hawkins, James D.: ROM: 12 [12 - **12** - **12**].

Total Specimens for 7 July 1970: 15

8 July 1970

Uganda: Tororo, 10 km SSW: Hawkins, James D.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 8 July 1970: 6

9 July 1970

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: Tororo, 10 km SSW: Hawkins, James D.: ROM: 9 [9 - **9** - **9**].

Total Specimens for 9 July 1970: 10

10 July 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Adiopodoumé: ORSTOM: RMCA: 5 [5 - **5** - **5**].
Kenya: Diani Beach: Williams, John George: ROM: 1 [1 - **1**] - Moto cave: Williams, John George: ROM: 1 [1 - **1** - **2**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1**] - Tororo, 10 km SSW: Hawkins, James D.: ROM: 9 [9 - **9** - **10**].

Total Specimens for 10 July 1970: 18

11 July 1970

Côte d'Ivoire: Adiopodoumé: ORSTOM: RMCA: 23 [23 - **23** - **23**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1970: 24

13 July 1970

Cameroon: Unknown locality: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Chad: Bébédjia: Lourens, J.H.: ZMA: 3 [3 - **3** - **3**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1970: 5

14 July 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 1 [1 - **1** - **1**].
Gabon: Mvadi, near: Bradbury, Jack W.: AMNH: 2 [2 - **2** - **2**].
Nigeria: ACWA: Smith, Dwight: ROM: 1 [1 - **1** - **1**].
Sierra Leone: Wellington Village: Pitt, D.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 14 July 1970: 7

15 July 1970

Chad: Bébédjia: Lourens, J.H.: AMNH: 1, ZMA: 3 [4 - **4** - **4**].
Côte d'Ivoire: Adiopodoumé: ORSTOM: RMCA: 1 [1 - **1** - **1**].
Sierra Leone: Wellington Village: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1970: 6

16 July 1970

Morocco: Tata, 8 km N: Hearst, M.G.: USNM: 1 [1 - **1** - **1**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1970: 2

17 July 1970

Chad: Bébédjia: Lourens, J.H.: AMNH: 1, ZMA: 20 [21 - **21** - **21**].

Total Specimens for 17 July 1970: 21

18 July 1970

Morocco: Ouarzazate, 19 km E: Hearst, M.G.: USNM: 28 [28]; Robbins, Lynn W.: USNM: 29 [29 - **57**] - Ouarzazate, 5 km SE: Hearst, M.G.: USNM: 6 [6]; Robbins, Lynn W.: USNM: 2 [2 - **8**] - Ouarzazate, 5 km SW: Robbins, Lynn W.: USNM: 4 [4 - **4** - **69**].

Total Specimens for 18 July 1970: 69

19 July 1970

Chad: Bébédjia: Lourens, J.H.: AMNH: 1 [1 - **1** - **1**].
Morocco: Ouarzazate, 19 km E: Hearst, M.G.: USNM: 17 [17]; Robbins, Lynn W.: USNM: 17 [17 - **34** - **34**].

Total Specimens for 19 July 1970: 35

20 July 1970

South Africa: eGodeni: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Uganda: Tororo, 10 km SSW: Hawkins, James D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1970: 3

21 July 1970

Kenya: Galana Ranch: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1970: 1

22 July 1970

Kenya: Kinu: Sillu, David M.: RMCA: 6 [6 - **6** - **6**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1970: 7

23 July 1970

Côte d'Ivoire: Boundiali, 2 km S: Ailanjian, M.D.: LACM: 2 [2 - **2** - **2**].

Total Specimens for 23 July 1970: 2

24 July 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 1 [1 - **1** - **1**].
South Africa: TSD Sugar Estate No.3 Section: White, A.G.: TM: 23 [23 - **23** - **23**].

Total Specimens for 24 July 1970: 24

25 July 1970

Cameroon: Lékoun: Nomo: RMCA: 1 [1 - **1**] - Mpundu: Ngam, V.N.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 25 July 1970: 2

26 July 1970

Chad: Fort Archambault: Vielliard, Jacques Marie Edme: MHNG: 1 [1 - **1** - **1**].
Nigeria: ACWA: Smith, Dwight: ROM: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1970: 2

27 July 1970

South Africa: TSD Sugar Estate No.3 Section: White, A.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1970: 1

29 July 1970

Nigeria: ACWA: Smith, Dwight: MSB: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1970: 1

30 July 1970

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 7 [7 - **7** - **8**].

Total Specimens for 30 July 1970: 8

31 July 1970

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 5 [5 - **5** - **6**].

Total Specimens for 31 July 1970: 6

1 August 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 1 [1 - **1**] - Logone Occidental region: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].
Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 4 [4 - **4** - **5**].

Total Specimens for 1 August 1970: 8

2 August 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].
Tunisia: Unknown locality: ?: Collector Unknown: SMF: 6 [6 - **6** - **6**].
Zambia: Mnyombe: Ansell, P.D.H.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1970: 9

3 August 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 3 August 1970: 2

4 August 1970

Somalia: Giohar: Granchi, E.; Lanza, Benedetto Giuseppe Antonio; Innoc…: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1970: 1

5 August 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1970: 1

6 August 1970

Sierra Leone: Lunsar: Pitt, D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1970: 2

8 August 1970

Sierra Leone: Lunsar: Pitt, D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 8 August 1970: 2

9 August 1970

Sierra Leone: Lunsar: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1970: 1

10 August 1970

Congo: Brazzaville: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kibumba: Celis, M.J.; Lejeune, M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 10 August 1970: 3

11 August 1970

Côte d'Ivoire: Unknown locality: Vissault, Jacques: ZMA: 1 [1 - **1**] - Adiopodoumé: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **2**].
Kenya: North-East face of Mount Elgon: Barton, Otis J.: ROM: 10 [10 - **10** - **10**].

Total Specimens for 11 August 1970: 12

12 August 1970

Kenya: North-East face of Mount Elgon: Barton, Otis J.: ROM: 20 [20 - **20** - **20**].

Total Specimens for 12 August 1970: 20

13 August 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 13 August 1970: 2

14 August 1970

Côte d'Ivoire: Adiopodoumé: ORSTOM: RMCA: 1 [1 - **1** - **1**].
Kenya: North-East face of Mount Elgon: Barton, Miles: ROM: 31 [31]; Barton, Otis J.: ROM: 1 [1 - **32** - **32**].

Total Specimens for 14 August 1970: 33

15 August 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 1 [1 - **1** - **1**].
Kenya: Kilifi: Parker: ROM: 1 [1]; Parker; Williams, A.E.: ROM: 2 [2 - **3** - **3**].
Sierra Leone: Lunsar: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1970: 5

16 August 1970

Somalia: Ola Uager: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1970: 1

17 August 1970

Kenya: Mount Elgon: Barton, Otis J.: ROM: 1 [1 - **1**] - North-East face of Mount Elgon: Barton, Otis J.: ROM: 20 [20 - **20** - **21**].

Total Specimens for 17 August 1970: 21

19 August 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 2 [2 - **2**] - Logone Occidental region: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Total Specimens for 19 August 1970: 3

20 August 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 1 [1 - **1** - **1**].
Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1970: 2

21 August 1970

Chad: Bébédjia: Lourens, J.H.: ZMA: 4 [4 - **4**] - Logone Occidental region: ?: Collector Unknown: SMF: 2 [2 - **2** - **6**].
Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1970: 7

27 August 1970

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **3**].
Uganda: Pope Pius X Seminary: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1970: 4

30 August 1970

Sierra Leone: Aberdeen Village: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1970: 1

1 September 1970

Côte d'Ivoire: Kanan-Koffi-Kro: ORSTOM: RMCA: 12 [12 - **12**] - Konankoffikro: Vissault, Jacques: ZMA: 11 [11 - **11** - **23**].
Ghana: Wenchi: Mensah, P.E.: AMNH: 3 [3 - **3** - **3**].
Nigeria: Darazo, 6 km E: Koeman, J.H.: ZMA: 1 [1 - **1** - **1**].
Uganda: Sukuli Hills: Hawkins, James D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 1 September 1970: 29

2 September 1970

Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1970: 1

4 September 1970

Kenya: Kanyangaren: Aggundey, Issa R.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 4 September 1970: 2

6 September 1970

Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1970: 1

8 September 1970

Kenya: Nairobi: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Sierra Leone: Freetown: Pitt, D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 8 September 1970: 3

9 September 1970

Sierra Leone: Freetown: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1970: 1

10 September 1970

Uganda: Tororo, 10 km SSW: Hawkins, James D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 10 September 1970: 2

12 September 1970

Ghana: Sewhi Wiaso: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 September 1970: 1

14 September 1970

Sierra Leone: Freetown: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1970: 1

16 September 1970

Liberia: Suehn: Johnson: RMCA: 3 [3 - **3** - **3**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1970: 4

18 September 1970

Ghana: Oboasi: Mensah, P.E.: AMNH: 10 [10 - **10** - **10**].

Morocco: Ouarzazate, 19 km E: Hearst, M.G.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1970: 11

19 September 1970

Kenya: Coast [former] province: ?: Collector Unknown: SMF: 8 [8 - **8**] - Kisiaunet: : NMK: 1 [1 - **1** - **9**].

Total Specimens for 19 September 1970: 9

20 September 1970

South Africa: Pongoland: Wessels: TM: 2 [2 - **2** - **2**].

Total Specimens for 20 September 1970: 2

22 September 1970

Sierra Leone: Freetown: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1970: 1

24 September 1970

Ghana: Kumasi Agricultural Station: Mensah, P.E.: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 24 September 1970: 4

25 September 1970

South Africa: Pongola, 9 Jan Kemlaan: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Total Specimens for 25 September 1970: 4

27 September 1970

Kenya: Shimoni cave: Sillu, David M.: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 27 September 1970: 5

28 September 1970

Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 28 September 1970: 4

29 September 1970

Namibia: Kongola ferry area: Kemp, H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1970: 1

1 October 1970

Senegal: Saboya: Chateau, R.: MNHN: 1 [1 - **1** - **1**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 3, ROM: 4 [7 - **7** - **7**].

Total Specimens for 1 October 1970: 8

2 October 1970

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1]; : ORSTOM: 1 [1 - **2** - **3**].
Sudan: Khartoum: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Williams, John George: ROM: 1 [1 - **1**] - Masindi, near: Williams, John George: ROM: 1 [1 - **1**] - Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **3**].

Total Specimens for 2 October 1970: 7

3 October 1970

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **3**].

Uganda: Budongo Forest: Williams: ROM: 1 [1]; Williams, John George: ROM: 5 [5 - **6**] - Masindi, near: Williams, John George: ROM: 2 [2 - **2** - **8**].

Total Specimens for 3 October 1970: 11

4 October 1970

Uganda: 25 km NW Masindi: Williams, John George: ROM: 1 [1 - **1**] - Budongo Forest: Williams, John George: ROM: 4 [4 - **4**] - Masindi, near: Williams, John George: ROM: 1 [1 - **1** - **6**].

Total Specimens for 4 October 1970: 6

5 October 1970

Uganda: Budongo Forest: Williams, John George: ROM: 7 [7 - **7**] - Bunyoro: Williams, John George: ROM: 1 [1 - **1** - **8**].

Total Specimens for 5 October 1970: 8

6 October 1970

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1970: 1

7 October 1970

Namibia: Sangwali: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Zambia: Lochinvar: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1970: 2

8 October 1970

Zambia: Lochinvar: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1970: 1

10 October 1970

Ghana: Kongo mines: Mensah, P.E.: AMNH: 3 [3 - **3**] - Kumasi, near: Mensah, P.E.: AMNH: 2 [2 - **2** - **5**].
Liberia: Mano river: Johnson: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 10 October 1970: 8

12 October 1970

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1970: 1

14 October 1970

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].
Namibia: Rehderstal ranch: Van Gelder, Richard George: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 14 October 1970: 7

17 October 1970

Côte d'Ivoire: Guéboua: ORSTOM: RMCA: 2 [2 - **2** - **2**].
Ethiopia: Abiata, Lake, E coast: Largen, M.J.: BMNH: 2 [2 - **2** - **2**].
Kenya: Aitong: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 17 October 1970: 6

19 October 1970

Kenya: Coast [former] province: ?: Collector Unknown: SMF: 8 [8 - **8**] - Eastern [former] province: ?: Collector Unknown: SMF: 4 [4 - **4**] - Ithundu cave: Sillu, David M.: RMCA: 6 [6 - **6** - **18**].

Total Specimens for 19 October 1970: 18

20 October 1970

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Uganda: Kayonza Forest: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1970: 2

21 October 1970

Ethiopia: Abiata, Lake, E coast: Largen, M.J.: BMNH: 2 [2 - **2** - **2**].
South Africa: Pongola, 9 Jan Kemlaan: Jaubert: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1970: 3

22 October 1970

Tanzania: Rohero mine: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 22 October 1970: 2

24 October 1970

Kenya: Lake Magadi, cave near: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].
Tanzania: Milimafedha mine: Hawkins, James D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1970: 3

25 October 1970

Ghana: Mpasaatia: Mensah, P.E.: AMNH: 7 [7 - **7** - **7**].
Tanzania: Milimafedha mine: Hawkins, James D.: ROM: 1 [1 - **1**] - Rohogo mine: Hawkins, James D.: ROM: 5 [5 - **5** - **6**].

Total Specimens for 25 October 1970: 13

26 October 1970

Kenya: Ukunda: Kyongo, Robert N.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1970: 1

27 October 1970

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].
Ethiopia: Abiata, Lake, E coast: Largen, M.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1970: 2

28 October 1970

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: MNHN: 1, ORSTOM: 4 [5]; Vissault, Jacques: ZMA: 1 [1 - **6** - **6**].
Ghana: Wora Wora: Mensah, P.E.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 28 October 1970: 8

29 October 1970

Côte d'Ivoire: Adiopodoumé: ORSTOM: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 29 October 1970: 2

30 October 1970

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1970: 1

1 November 1970

Burundi: Gihanga: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ghana: Kumasi University: Mensah, P.E.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1970: 2

2 November 1970

Burundi: Gihanga: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Kenya: Kisii: Ingle, W.J.E.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1970: 2

3 November 1970

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1970: 1

5 November 1970

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 5 November 1970: 3

7 November 1970

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].
Zambia: Mt. Makulu: Hanks, J.: NMZL: 2 [2 - **2** - **2**].

Total Specimens for 7 November 1970: 3

8 November 1970

Côte d'Ivoire: Adiopodoumé: ORSTOM: ZMA: 1 [1 - **1**] - Bouaké: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **2**].

Total Specimens for 8 November 1970: 2

9 November 1970

Algeria: Hassi Kalifa: Verheyden; Fairon, Jacques: RBINS: 1 [1 - **1** - **1**].
Cameroon: Nkometou: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2** - **2**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **3**].
Uganda: Tororo: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1970: 7

10 November 1970

Cameroon: Nkometou: Verheyen, Walter N.; De Vree, Frits: RMCA: 5 [5 - **5** - **5**].
Uganda: Tororo: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1970: 6

11 November 1970

Cameroon: Nkometou: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2** - **2**].
Uganda: Tororo: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 11 November 1970: 4

12 November 1970

Cameroon: Nkometou: Verheyen, Walter N.; De Vree, Frits: RMCA: 3 [3 - **3** - **3**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1970: 4

13 November 1970

Cameroon: Nkometou: Verheyen, Walter N.; De Vree, Frits: RMCA: 5 [5 - **5** - **5**].
Kenya: Archer's Post: Williams, John George: AMNH: 1 [1 - **1** - **1**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1, ROM: 4 [5 - **5** - **5**].

Total Specimens for 13 November 1970: 11

14 November 1970

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 7 [7]; Vissault, Jacques: ZMA: 4 [4 - **11** - **11**].

Total Specimens for 14 November 1970: 11

15 November 1970

Burundi: Gihanga: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1970: 1

16 November 1970

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Adiopodoumé: ?: Collector Unknown: ORSTOM: 7 [7]; Vissault, Jacques: ZMA: 2 [2 - **9** - **10**].
Kenya: Nairobi Area: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1970: 12

18 November 1970

Congo (Democratic Republic of the): Tshibasha: Betu Nsankulu: RMCA: 6 [6 - **6** - **6**].
Kenya: Gibraltar island: Friedman, Ralph; Williams, John George: AMNH: 3 [3]; Williams, John George: AMNH: 2 [2 - **5**] - Lake Baringo: Williams, John George: AMNH: 4 [4 - **4** - **9**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].
Zimbabwe: Rainham: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1970: 17

19 November 1970

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Eastern [former] province: ?: Collector Unknown: SMF: 9 [9 - **9** - **10**].
Malawi: Misuku-Mughese Mission: Wilson, W.J.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1970: 11

20 November 1970

Kenya: Pango La Mwana Moto: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - Rift Valley [former] province: ?: Collector Unknown: SMF: 7 [7 - **7** - **8**].
Sierra Leone: Lumley Village: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1970: 9

21 November 1970

Sierra Leone: Lumley Village: Pitt, D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 21 November 1970: 2

22 November 1970

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].
Sierra Leone: Lumley Village: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1970: 5

23 November 1970

Cameroon: Guemé: Verheyen, Walter N.; De Vree, Frits: RMCA: 146 [146 - **146** - **146**].
Kenya: Nairobi Area: ?: Collector Unknown: SMF: 1 [1 - **1**] - Ndiani, coast: ?: Collector Unknown: BMNH: 1 [1 - **1** - **2**].
Uganda: Ruhiza: Williams, John George: AMNH: 21 [21 - **21** - **21**].

Total Specimens for 23 November 1970: 169

24 November 1970

Cameroon: Yagoua: Verheyen, Walter N.; De Vree, Frits: RMCA: 1 [1 - **1** - **1**].
Kenya: Ahero, cave near: Hawkins, James D.: CAS: 1 [1 - **1**] - Kisii, 10 mi N: Hawkins, James D.: ROM: 13 [13 - **13** - **14**].

Total Specimens for 24 November 1970: 15

25 November 1970

Cameroon: Yagoua: Verheyen, Walter N.; De Vree, Frits: RMCA: 5 [5 - **5** - **5**].
Côte d'Ivoire: Guéboua: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **1**].
Kenya: Ahero, cave near: Hawkins, James D.: CAS: 4 [4 - **4**] - Kisii: Hawkins, James D.: CAS: 2 [2 - **2** - **6**].
Sierra Leone: Mount Aureol: Pitt, D.: ROM: 5 [5 - **5** - **5**].
Uganda: Mweya: Williams, John George: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1970: 18

26 November 1970

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Cameroon: Guemé: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2**] - Yagoua: Verheyen, Walter N.; De Vree, Frits: RMCA: 10 [10 - **10** - **12**].
Sierra Leone: Freetown: Pitt, D.: ROM: 1 [1 - **1** - **1**].
Uganda: Mweya: Williams, John George: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 26 November 1970: 21

27 November 1970

Cameroon: Yagoua: Verheyen, Walter N.; De Vree, Frits: RMCA: 16 [16 - **16** - **16**].
Kenya: Pango La Mwana Moto: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].
Sierra Leone: Mount Aureol: Pitt, D.: ROM: 1 [1 - **1** - **1**].
Uganda: Fort Portal: Friedman, Ralph; Williams, John George: AMNH: 1 [1]; Williams, John George: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 27 November 1970: 20

28 November 1970

Cameroon: Yagoua: Verheyen, Walter N.; De Vree, Frits: RMCA: 11 [11 - **11** - **11**].
Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1970: 12

29 November 1970

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Friedman, Ralph: AMNH: 11 [11]; Friedman, Ralph; Williams, John George: AMNH: 1 [1]; Williams, John George: AMNH: 2 [2 - **14** - **14**].

Total Specimens for 29 November 1970: 15

30 November 1970

Cameroon: Yagoua: Verheyen, Walter N.; De Vree, Frits: RMCA: 61 [61 - **61** - **61**].
Uganda: Budongo Forest: Friedman, Ralph: AMNH: 21 [21]; Williams, John George: AMNH: 17 [17 - **38**] - Sipi cave: Hawkins, James D.: ROM: 12 [12 - **12** - **50**].

Total Specimens for 30 November 1970: 111

1 December 1970

Cameroon: Yagoua: Verheyen, Walter N.; De Vree, Frits: RMCA: 15 [15 - **15** - **15**].
Congo (Democratic Republic of the): Kasebere: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].
Kenya: Western [former] province: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Sierra Leone: Cole Farm: Pitt, D.: ROM: 3 [3 - **3** - **3**].
Uganda: Budongo Forest: Friedman, Ralph: AMNH: 45 [45 - **45** - **45**].

Total Specimens for 1 December 1970: 67

2 December 1970

Cameroon: Yagoua: Verheyen, Walter N.; De Vree, Frits: RMCA: 26 [26 - **26** - **26**].
Congo (Democratic Republic of the): Kasebere: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Sierra Leone: Cole Farm: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1970: 28

3 December 1970

Cameroon: Yagoua: Verheyen, Walter N.; De Vree, Frits: RMCA: 39 [39 - **39** - **39**].
Congo (Democratic Republic of the): Kasebere: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1970: 40

4 December 1970

Cameroon: Yagoua: Verheyen, Walter N.; De Vree, Frits: RMCA: 5 [5 - **5** - **5**].
Zambia: Livingstone: : NMZL: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1970: 6

5 December 1970

Sierra Leone: Cole Farm: Pitt, D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 5 December 1970: 2

6 December 1970

Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **3**].
Nigeria: Odukpani: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1970: 4

7 December 1970

Cameroon: Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 10 [10 - **10** - **10**].

Total Specimens for 7 December 1970: 10

8 December 1970

Cameroon: Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 5 [5 - **5**] - Mangamba: Ngam, V.N.: ROM: 1 [1 - **1** - **6**].
Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1970: 7

9 December 1970

Sierra Leone: Cole Farm: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1970: 1

10 December 1970

Cameroon: Malende Swamp area: Ngam, V.N.: ROM: 4 [4 - **4** - **4**].
Côte d'Ivoire: Lamto: Vissault, Jacques: ZMA: 1 [1 - **1**] - Lamto Ecology Station: ?: Collector Unknown: ORSTOM: 1 [1 - **1** - **2**].
Kenya: Lake Nakuru: Williams, John George: ROM: 5 [5 - **5** - **5**].

Total Specimens for 10 December 1970: 11

12 December 1970

Cameroon: Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 1 [1 - **1**] - Sir: Verheyen, Walter N.; De Vree, Frits: RMCA: 1 [1 - **1** - **2**].
Tanzania: Gombe Stream National Park: Howell, Kim M.; Wrangham, R.W.: BMNH: 1 [1 - **1**] - Ruanda farm: Kingdon, Jonathan: HZM: 3 [3 - **3** - **4**].

Total Specimens for 12 December 1970: 6

13 December 1970

Cameroon: Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 6 [6 - **6**] - Mangamba: Ngam, V.N.: ROM: 2 [2 - **2**] - Sir: Verheyen, Walter N.; De Vree, Frits: RMCA: 22 [22 - **22** - **30**].
Kenya: Naibei's Great Cave: Mutuku Mutinga, John: SMF: 1 [1 - **1**] - Western [former] province: ?: Collector Unknown: SMF: 5 [5 - **5** - **6**].
Tanzania: Ruanda farm: Kingdon, Jonathan: HZM: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1970: 37

14 December 1970

Cameroon: Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 7 [7 - **7** - **7**].
Zimbabwe: Irene Farm: : ZMA: 2 [2 - **2** - **2**].

Total Specimens for 14 December 1970: 9

15 December 1970

Cameroon: Mokolo: Verheyen, Walter N.; De Vree, Frits: RMCA: 16 [16 - **16**] - Mokolo - Mayo Louti: Verheyen, Walter N.; De Vree, Frits: RMCA: 3 [3 - **3**] - Sir: Verheyen, Walter N.; De Vree, Frits: RMCA: 4 [4 - **4** - **23**].

Total Specimens for 15 December 1970: 23

16 December 1970

Cameroon: Mokolo: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2**] - Mokolo - Mayo Louti: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2** - **4**].
Kenya: Naibei's Great Cave: Mutuku Mutinga, John: SMF: 1 [1 - **1**] - Western [former] province: ?: Collector Unknown: SMF: 7 [7 - **7** - **8**].

Total Specimens for 16 December 1970: 12

17 December 1970

Cameroon: Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 2 [2 - **2**] - Mokolo: Verheyen, Walter N.; De Vree, Frits: RMCA: 15 [15 - **15**] - Mokolo - Mayo Louti: Verheyen, Walter N.; De Vree, Frits: RMCA: 10 [10 - **10** - **27**].
Tanzania: Ruanda farm: Kingdon, Jonathan: HZM: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1970: 28

18 December 1970

Cameroon: Mokolo: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2**] - Mokolo - Mayo Louti: Verheyen, Walter N.; De Vree, Frits: RMCA: 17 [17 - **17** - **19**].
Zambia: Muckle Neuk: : NMZL: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1970: 20

19 December 1970

Cameroon: Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 2 [2 - **2**] - Mokolo: Verheyen, Walter N.; De Vree, Frits: RMCA: 3 [3 - **3**] - Mokolo - Mayo Louti: Verheyen, Walter N.; De Vree, Frits: RMCA: 17 [17 - **17** - **22**].

Total Specimens for 19 December 1970: 22

20 December 1970

Burundi: Mabaye: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Cameroon: Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 2 [2 - **2**] - Mangamba: Ngam, V.N.: ROM: 1 [1 - **1**] - Mokolo - Mayo Louti: Verheyen, Walter N.; De Vree, Frits: RMCA: 5 [5 - **5** - **8**].

Total Specimens for 20 December 1970: 10

21 December 1970

Burundi: Buhoro: Niort, P.L.: MHNG: 8 [8 - **8** - **8**].
Cameroon: Mokolo - Mayo Louti: Verheyen, Walter N.; De Vree, Frits: RMCA: 1 [1 - **1** - **1**].
Zimbabwe: Peterhouse School: Ginn, P.J.G.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 21 December 1970: 10

22 December 1970

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 7 [7 - **7** - **7**].
Sierra Leone: Freetown: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1970: 8

23 December 1970

Cameroon: Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 6 [6 - **6**] - Ithundu cave: Kock, Dieter: ROM: 5 [5]; Williams, John George: ROM: 1 [1 - **6** - **12**].

Total Specimens for 23 December 1970: 13

24 December 1970

Ghana: Oda and Akim, between: Mensah, P.E.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 24 December 1970: 3

25 December 1970

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 December 1970: 1

26 December 1970

Ethiopia: Filwoha Awash: Yalden, Derek; Morris, P.; Largen, M.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1970: 1

27 December 1970

Cameroon: Waza: Verheyen, Walter N.; De Vree, Frits: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 27 December 1970: 11

28 December 1970

Cameroon: Waza: Verheyen, Walter N.; De Vree, Frits: RMCA: 18 [18 - **18** - **18**].
Côte d'Ivoire: Adiopodoumé: ORSTOM: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Kenya: Makindu: Williams, John George: ROM: 1 [1 - **1**] - Makindu River: Williams, John George: ROM: 4 [4 - **4** - **5**].

Total Specimens for 28 December 1970: 25

29 December 1970

Cameroon: Waza: Verheyen, Walter N.; De Vree, Frits: RMCA: 26 [26 - **26** - **26**].
Ethiopia: Metahara, 1 km W: Yalden, Derek; Morris, P.; Largen, M.J.: BMNH: 1 [1 - **1** - **1**].
Kenya: Makindu: ?: Collector Unknown: ROM: 2 [2 - **2**] - Makindu River: Williams, John George: ROM: 4 [4 - **4** - **6**].

Total Specimens for 29 December 1970: 33

30 December 1970

Cameroon: Waza: Verheyen, Walter N.; De Vree, Frits: RMCA: 56 [56 - **56** - **56**].

Total Specimens for 30 December 1970: 56

31 December 1970

Cameroon: Waza: Verheyen, Walter N.; De Vree, Frits: RMCA: 19 [19 - **19** - **19**].

Total Specimens for 31 December 1970: 19

1 January 1971

Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: Kigoma region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1971: 2

2 January 1971

Kenya: Kakamega Forest: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1971: 1

3 January 1971

Sierra Leone: 4 Kendall Street: Pitt, D.: ROM: 1 [1 - **1**] - Freetown: Pitt, D.: ROM: 3 [3 - **3** - **4**].

South Africa: Waterberg, Farm Driefontein: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1971: 5

5 January 1971

Kenya: Nakuru: Williams, John George: ROM: 3 [3 - **3**] - Rift Valley [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **4**].

Total Specimens for 5 January 1971: 4

6 January 1971

Sierra Leone: Freetown: Pitt, D.: ROM: 2 [2 - **2** - **2**].
South Africa: Valhalla: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Zambia: Lochinvar: : NMZL: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1971: 4

7 January 1971

Tanzania: Dar es Salaam: Hartroll, R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1971: 1

9 January 1971

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 1 [1 - **1**] - Rift Valley [former] province: ?: Collector Unknown: SMF: 7 [7 - **7** - **8**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 9 [9]; Howell, Kim M.; Msuya, C.A.: USNM: 3 [3 - **12** - **12**].

Total Specimens for 9 January 1971: 21

10 January 1971

Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 12 [12 - **12** - **12**].

Total Specimens for 10 January 1971: 12

14 January 1971

Kenya: Kakamega Forest: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1971: 1

15 January 1971

Kenya: Kakamega Forest: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2** - **2**].

Total Specimens for 15 January 1971: 2

17 January 1971

Ethiopia: Ghinir, 7 km from: Dorst, Jean Pierre: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1971: 1

20 January 1971

Ethiopia: Bahadu: Largen, M.J.: BMNH: 4 [4 - **4** - **4**].
Kenya: Kakamega Forest: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1971: 5

21 January 1971

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Lamto: ORSTOM: RMCA: 1 [1 - **1** - **1**].
Kenya: Kakamega Forest: Williams, John George: ROM: 2 [2 - **2** - **2**].
Liberia: Zomai: Johnson: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 21 January 1971: 9

22 January 1971

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Kakamega Forest: Williams, John George: ROM: 3 [3 - **3** - **3**].
Liberia: Zomai: Johnson: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 22 January 1971: 7

23 January 1971

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Kakamega Forest: Williams, John George: ROM: 9 [9 - **9** - **9**].
Liberia: Zomai: Johnson: RMCA: 1 [1 - **1** - **1**].
Uganda: Lugala: Hawkins, James D.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 23 January 1971: 14

24 January 1971

Burundi: Gihanga: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Kenya: Kakamega forest: ?: Collector Unknown: ROM: 2 [2]; Williams, John George: ROM: 6 [6 - **8** - **8**].
Liberia: Zomai: Johnson: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1971: 11

25 January 1971

Kenya: Kakamega Forest: Williams, John George: ROM: 1 [1 - **1** - **1**].
Liberia: Zomai: Johnson: RMCA: 1 [1 - **1** - **1**].
Zambia: Lochinvar: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1971: 3

26 January 1971

Kenya: Kakamega Forest: Williams, John George: ROM: 4 [4 - **4** - **4**].
Zambia: Lochinvar: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1971: 5

27 January 1971

Kenya: Kakamega Forest: Williams, John George: ROM: 10 [10 - **10** - **10**].

Total Specimens for 27 January 1971: 10

28 January 1971

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Kenya: Kakamega Forest: Williams, John George: ROM: 7 [7 - **7** - **7**].

Total Specimens for 28 January 1971: 8

29 January 1971

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1**] - Gihanga: Niort, P.L.: MHNG: 1 [1 - **1** - **2**].
Kenya: Kakamega Forest: Williams, John George: ROM: 13 [13 - **13** - **13**].
Liberia: Kpawolozu: Johnson: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1971: 16

30 January 1971

Kenya: Kakamega Forest: Williams, John George: ROM: 7 [7 - **7**] - Leopard Rock Lodge: Kock, Dieter: SMF: 1 [1 - **1** - **8**].

Total Specimens for 30 January 1971: 8

31 January 1971

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 31 January 1971: 2

2 February 1971

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1971: 1

5 February 1971

Tanzania: Kisarawe, near: ?: Collector Unknown: BMNH: 1 [1]; Howell, Kim M.: USNM: 13 [13]; Howell, Kim M.; Msuya, C.A.: USNM: 7 [7 - **21** - **21**].

Total Specimens for 5 February 1971: 21

7 February 1971

Kenya: Aruba Lodge: Kock, Dieter: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1971: 1

10 February 1971

Uganda: Sukuli Hills: Hawkins, James D.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 10 February 1971: 7

14 February 1971

Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 February 1971: 2

15 February 1971

Kenya: Kaimosi: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1971: 1

16 February 1971

Uganda: Sukuli Hills: Hawkins, James D.: CAS: 2, ROM: 4 [6 - **6** - **6**].

Total Specimens for 16 February 1971: 6

17 February 1971

Burundi: Gihanga: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ethiopia: Ghinir, 7 km from: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].
Rwanda: Butare INRS: Lejeune, M.: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 17 February 1971: 21

18 February 1971

Sierra Leone: Freetown: Pitt, D.: ROM: 1 [1 - **1** - **1**].
Tunisia: Nefzaoua: Nagel; Schubert; Vesmanis, Indulis Evalds: SMF: 3 [3 - **3** - **3**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 18 February 1971: 6

19 February 1971

Niger: Tapoa, 29 km S: Pöche, R.M.: UCM: 1 [1 - **1** - **1**].
South Africa: Skukuza: Marais, Hannes: KNP: 1 [1 - **1** - **1**].
Uganda: Lugala: Hawkins, James D.: ROM: 18 [18 - **18** - **18**].

Total Specimens for 19 February 1971: 20

20 February 1971

Kenya: Ithundu cave: Williams, John George: ROM: 4 [4 - **4**] - Mount Suswa: Williams, John George: ROM: 2 [2 - **2**] - Rift Valley [former] province: ?: Collector Unknown: SMF: 6 [6 - **6** - **12**].
Rwanda: Butare INRS: Lejeune, M.: RMCA: 1 [1 - **1** - **1**].

Uganda: Lugala: Hawkins, James D.: ROM: 5 [5 - **5**] - Sukuli Hills: Hawkins, James D.: ROM: 2 [2 - **2** - **7**].

Total Specimens for 20 February 1971: 20

21 February 1971

Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 21 February 1971: 3

22 February 1971

Uganda: Zika: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1971: 1

23 February 1971

Tanzania: Zanzibar Town: Glen, Robert M.: ROM: 4 [4 - **4**] - Zanzibar Town, 36 mi [= 58 km] S: Glen, Robert M.: ROM: 30 [30 - **30** - **34**].

Total Specimens for 23 February 1971: 34

24 February 1971

Kenya: Elgon, Mount: Kock, Dieter: SMF: 1 [1 - **1**] - Kitum cave: : SMF: 4 [4 - **4** - **5**].
Uganda: Lugala: Hawkins, James D.: ROM: 2 [2 - **2**] - Sukuli Hills: Hawkins, James D.: ROM: 6 [6 - **6** - **8**].

Total Specimens for 24 February 1971: 13

25 February 1971

Kenya: Amukura Mission: Hawkins, James D.: ROM: 9 [9 - **9**] - Rift Valley [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **10**].

Total Specimens for 25 February 1971: 10

26 February 1971

Kenya: Amukura Mission: Hawkins, James D.: ROM: 1 [1 - **1**] - Amukura Secondary School: Hawkins, James D.: CAS: 4 [4 - **4** - **5**].

Total Specimens for 26 February 1971: 5

27 February 1971

Côte d'Ivoire: Lamto Ecology Station: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ghana: Kade Agricultural Research Station: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 27 February 1971: 3

28 February 1971

Ghana: Kade Agricultural Research Station: Fenton, Melville Brock; Taylor, M.E.: ROM: 14 [14 - **14** - **14**].
Nigeria: Maiduguri, NE of: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1971: 15

1 March 1971

Ethiopia: Unknown locality: Ashford, R.: SMF: 1 [1 - **1**] - Sof Omar cave: ?: Collector Unknown: SMF: 2 [2]; Ashford, R.: SMF: 1 [1 - **3** - **4**].
Ghana: Kade Agricultural Research Station: Fenton, Melville Brock; Taylor, M.E.: ROM: 11 [11 - **11** - **11**].
Sierra Leone: Freetown: Pitt, D.: ROM: 1 [1 - **1** - **1**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 6 [6 - **6** - **6**].
Zambia: Escape Farm: Sayer, J.A.: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1971: 23

2 March 1971

Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1971: 1

3 March 1971

Uganda: Sukuli Hills: Hawkins, James D.: ROM: 8 [8 - **8** - **8**].

Total Specimens for 3 March 1971: 8

4 March 1971

Ghana: Doyum: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 4 March 1971: 2

5 March 1971

Ethiopia: Koka: Largen, M.J.: SMF: 2 [2 - **2**] - Oromiya state: ?: Collector Unknown: SMF: 3 [3 - **3** - **5**].
Ghana: Doyum: Fenton, Melville Brock: ROM: 1 [1]; Fenton, Melville Brock; Taylor, M.E.: ROM: 14 [14 - **15**] - Magazine, hill top near: Fenton, Melville Brock; Taylor, M.E.: ROM: 1 [1 - **1** - **16**].
Uganda: Lugala: Hawkins, James D.: ROM: 12 [12 - **12** - **12**].
Zambia: Lukusuzi-NP: Sayer, J.A.: NMZL: 2 [2 - **2** - **2**].

Total Specimens for 5 March 1971: 35

6 March 1971

Ghana: Damango, near: Fenton, Melville Brock; Taylor, M.E.: ROM: 4 [4 - **4** - **4**].
Uganda: Budongo: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1971: 5

7 March 1971

Congo (Democratic Republic of the): Masibingi: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Ghana: Damango, near: Fenton, Melville Brock; Taylor, M.E.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 7 March 1971: 5

8 March 1971

Côte d'Ivoire: Adzopé: ?: Collector Unknown: ORSTOM: 14 [14]; Vissault, Jacques: ZMA: 2 [2 - **16** - **16**].
Ghana: Damango, near: Fenton, Melville Brock; Taylor, M.E.: ROM: 4 [4 - **4** - **4**].
Kenya: Saiwa river: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 17 [17 - **18** - **18**].

Total Specimens for 8 March 1971: 38

9 March 1971

Congo (Democratic Republic of the): Luberezi: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Yavello, 25 km N: Largen, Clark: BMNH: 1 [1 - **1** - **1**].
Ghana: Damango, near: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2**] - Magazine: Fenton, Melville Brock; Taylor, M.E.: ROM: 1 [1 - **1** - **3**].
Tanzania: Kisarawe: Howell, Kim M.: USNM: 1 [1 - **1**] - Kisarawe, near: Howell, Kim M.: USNM: 28 [28 - **28** - **29**].
Uganda: Lugala: Hawkins, James D.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 9 March 1971: 41

10 March 1971

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Maboya: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Ghana: Doyum: Fenton, Melville Brock: ROM: 6 [6]; Fenton, Melville Brock; Taylor, M.E.: ROM: 24 [24 - **30** - **30**].
Sierra Leone: Kissy Village: Pitt, D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 10 March 1971: 34

11 March 1971

Ghana: Boti Falls: Fenton, Melville Brock; Taylor, M.E.: ROM: 7 [7 - **7** - **7**].
Kenya: Ortum: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 7 [7 - **8** - **8**].
Madagascar: Tuléar: Blommers-Schlösser, Rose Marie Antoinette; Blommers, L.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1971: 16

12 March 1971

Algeria: Tamanrasset, 110 km NW: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Burundi: Gitega: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ghana: Boti Falls: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2** - **2**].
Kenya: Amukura Secondary School: Hawkins, James D.: CAS: 1 [1 - **1**] - Ortum: Williams, John George: ROM: 2 [2 - **2**] - Western [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **4**].
Uganda: Budo: ?: Collector Unknown: AMS: 1 [1]; Kingdon, Jonathan: BMNH: 1, HZM: 1 [2 - **3** - **3**].

Total Specimens for 12 March 1971: 11

13 March 1971

Burundi: Gitega: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ghana: Boti Falls: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2** - **2**].
Kenya: Amukura Mission: Hawkins, James D.: ROM: 3 [3 - **3**] - Ortum: Williams, John George: ROM: 1 [1 - **1** - **4**].

Total Specimens for 13 March 1971: 7

14 March 1971

Burundi: Gitega: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ghana: Boti Falls: Fenton, Melville Brock; Taylor, M.E.: ROM: 5 [5 - **5** - **5**].
Kenya: Ortum: Williams, John George: ROM: 3 [3 - **3** - **3**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 3 [3 - **3** - **3**].

Total Specimens for 14 March 1971: 12

15 March 1971

Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 8 [8 - **8**] - Ortum: Williams, John George: ROM: 4 [4 - **4** - **12**].
South Africa: Bronkhorstspruit: Naude, J.J.C.: TM: 1 [1 - **1** - **1**].
Tanzania: Central Mpwapwa: Barkhouse, P.: ROM: 1 [1 - **1** - **1**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 2, ROM: 7 [9 - **9** - **9**].

Total Specimens for 15 March 1971: 23

16 March 1971

Congo (Democratic Republic of the): Ndomo: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Ortum: Williams, John George: ROM: 1 [1 - **1**] - Rift Valley [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1**] - Sukuli Hills: Hawkins, James D.: CAS: 4 [4 - **4** - **5**].

Total Specimens for 16 March 1971: 8

17 March 1971

Tanzania: Ndala: Harrison, David Lakin: SMF: 1 [1 - **1** - **1**].
Uganda: Tororo: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].
Zimbabwe: Zimbabwe mine: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1971: 4

18 March 1971

Congo (Democratic Republic of the): Ndomo: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Koka: Largen, M.J.: SMF: 1 [1 - **1** - **1**].
Kenya: Ortum: Williams, John George: ROM: 1 [1 - **1**] - Saiwa river: ?: Collector Unknown: ROM: 1 [1 - **1**] - Sigor: Williams, John George: ROM: 3 [3 - **3** - **5**].
South Africa: Skukuza: Marais, Hannes: KNP: 1 [1 - **1** - **1**].
Uganda: Tororo: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 18 March 1971: 10

19 March 1971

Algeria: Tamanrasset, 55 km N: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Kenya: Baringo, lake: Williams, John George: ROM: 9 [9 - **9**] - Saiwa river: ?: Collector Unknown: ROM: 1 [1 - **1** - **10**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 19 March 1971: 13

20 March 1971

Congo (Democratic Republic of the): Masibingi: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Baringo, lake: Williams, John George: ROM: 7 [7 - **7**] - Eastern [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **8**].

Total Specimens for 20 March 1971: 9

21 March 1971

Kenya: Baringo, lake: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 21 March 1971: 2

22 March 1971

Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1971: 1

23 March 1971

Burundi: Gihanga: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Kenya: Kapenguria: Williams, John George: ROM: 2 [2 - **2**] - Saiwa river: Williams, John George: ROM: 5 [5 - **5** - **7**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1971: 9

24 March 1971

Kenya: Baringo, lake: Williams, John George: ROM: 1 [1 - **1**] - Kapsaina: Williams, John George: ROM: 2 [2 - **2**] - Kapsania: : SMF: 1 [1 - **1**] - Lake Baringo: Williams, John George: ROM: 2 [2 - **2**] - Markwijit: Williams, John George: ROM: 1 [1 - **1**] - Ortum: Williams, John George: ROM: 3 [3 - **3** - **10**].
Uganda: Ngongera, Bukedi, Pope Pious X Seminary: Hawkins, James D.: ROM: 4 [4 - **4**] - Pope Pius X Seminary: Hawkins, James D.: CAS: 1 [1 - **1** - **5**].

Total Specimens for 24 March 1971: 15

25 March 1971

Kenya: Markwijit: Williams, John George: ROM: 2 [2 - **2**] - Markwijt: Williams, John George: ROM: 4 [4 - **4** - **6**].
Tunisia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - El Haouaria cave: Nagel; Schubert; Vesmanis, Indulis Evalds: SMF: 15 [15 - **15**] - Nabeul governorate: ?: Collector Unknown: SMF: 3 [3 - **3** - **20**].
Uganda: Tororo: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1971: 27

26 March 1971

Kenya: Markwijit: Williams, John George: ROM: 1 [1 - **1** - **1**].
Tanzania: Kisangwa: ?: Collector Unknown: BRTC: 1 [1 - **1**] - Kisarawe, near: Howell, Kim M.: USNM: 20 [20 - **20** - **21**].

Total Specimens for 26 March 1971: 22

27 March 1971

Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1971: 1

29 March 1971

Kenya: Markwijt: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1971: 1

31 March 1971

Senegal: Bafoulabé: ORSTOM: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 31 March 1971: 4

1 April 1971

Egypt: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Kenya: Gedi National Park: Rathbun, Galen B.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1971: 2

2 April 1971

Ethiopia: Koka: Largen, M.J.: SMF: 1 [1 - **1** - **1**].
Uganda: Bumbo: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1971: 2

3 April 1971

Ethiopia: Belegaz Valley: Desfayes, Michel: FMNH: 4 [4 - **4** - **4**].
Nigeria: Ife University Campus: Akpan, S.B.: USNM: 10 [10 - **10** - **10**].

Total Specimens for 3 April 1971: 14

5 April 1971

Nigeria: Ife University Campus: Akpan, S.B.: USNM: 3 [3 - **3** - **3**].
Zimbabwe: Wankie-NP, Maduni Dumela: Wilson, Vivian J.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1971: 4

6 April 1971

Cameroon: Buéa West Farm: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1971: 1

8 April 1971

Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Zambia: Livingstone: : NMZL: 15 [15 - **15** - **15**].

Total Specimens for 8 April 1971: 16

9 April 1971

Ethiopia: Belès: Desfayes, Michel: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 9 April 1971: 1

10 April 1971

Cameroon: Buea station, 2 km S: Ngam, V.N.: ROM: 18 [18 - **18** - **18**].

Total Specimens for 10 April 1971: 18

11 April 1971

Cameroon: Buea station, 2 km S: Ngam, V.N.: ROM: 6 [6 - **6**] - small Soppo: Ngam, V.N.: ROM: 1 [1 - **1** - **7**].

Total Specimens for 11 April 1971: 7

12 April 1971

Cameroon: Buea station, 2 km S: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 12 April 1971: 2

14 April 1971

Tanzania: Banagi: Hawkins, James D.: CAS: 4, ROM: 6 [10 - **10** - **10**].

Total Specimens for 14 April 1971: 10

15 April 1971

Ghana: Afegame, 3 mi [=4.8 km]E: Roodenburg, W.F.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1971: 1

16 April 1971

Tanzania: Banagi: Hawkins, James D.: CAS: 6 [6 - **6** - **6**].

Total Specimens for 16 April 1971: 6

17 April 1971

Ethiopia: Aware Melca: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 17 April 1971: 1

19 April 1971

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 19 April 1971: 2

20 April 1971

Kenya: Eastern [former] province: ?: Collector Unknown: SMF: 12 [12 - **12**] - Rift Valley [former] province: ?: Collector Unknown: SMF: 2 [2 - **2** - **14**].

Total Specimens for 20 April 1971: 14

21 April 1971

Cameroon: Ngoumé: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Lake Shalla: Desfayes, Michel: FMNH: 27 [27 - **27** - **27**].
Uganda: Kabanyolo [mission]: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1971: 29

22 April 1971

Rwanda: Butare INRS: Lejeune, M.: RMCA: 1 [1 - **1** - **1**].
Uganda: Kabanyolo [mission]: Hawkins, James D.: CAS: 3 [3 - **3** - **3**].

Total Specimens for 22 April 1971: 4

23 April 1971

Rwanda: Butare INRS: Elbl, A.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 23 April 1971: 3

24 April 1971

Congo (Democratic Republic of the): Kasebere: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Uganda: Kabanyolo [mission]: Hawkins, James D.: CAS: 4 [4 - **4** - **4**].

Total Specimens for 24 April 1971: 5

27 April 1971

Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 27 April 1971: 1

28 April 1971

Rwanda: Gitovu: Elbl, A.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1971: 1

29 April 1971

Burundi: Mweya: Niort, P.L.: MHNG: 5 [5 - **5** - **5**].

Zambia: Lonchinvar: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1971: 6

30 April 1971

Rwanda: Ratabo Kinazi Gitorams: Elbl, A.: RMCA: 1 [1 - **1** - **1**].
Zambia: Lochinvar: Sayer, J.A.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1971: 2

1 May 1971

Ethiopia: Bahadu: Ash, John S.: USNM: 3 [3 - **3** - **3**].
Ghana: Unknown locality: Roodenburg, W.F.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1971: 4

2 May 1971

Ethiopia: Afallo: Desfayes, Michel: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 2 May 1971: 3

3 May 1971

Ethiopia: Bahadu: Largen, M.J.: SMF: 21 [21 - **21** - **21**].

Total Specimens for 3 May 1971: 21

4 May 1971

Cameroon: Buéa Station, 3 km SW: Ngam, V.N.: ROM: 19 [19 - **19** - **19**].

Total Specimens for 4 May 1971: 19

5 May 1971

Uganda: Sukuli Hills: Hawkins, James D.: CAS: 6, ROM: 8 [14 - **14** - **14**].

Total Specimens for 5 May 1971: 14

6 May 1971

Uganda: Sukuli Hills: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1971: 1

7 May 1971

Ethiopia: Bahadu: Largen, M.J.: ZMA: 1 [1 - **1** - **1**].
Nigeria: Abuja: Akpan, S.B.: USNM: 20 [20 - **20** - **20**].

Total Specimens for 7 May 1971: 21

8 May 1971

Ethiopia: Challa, mount: Desfayes, Michel: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 8 May 1971: 10

12 May 1971

Uganda: Budo: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].
Zambia: between Livingstone and Lochinvar: Bowden, G.; Sayer, J.A.: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1971: 2

13 May 1971

Uganda: Nyero: Hawkins, James D.: CAS: 1 [1 - **1**] - Serere Agricultural Research Station: Hawkins, James D.: CAS: 1 [1 - **1** - **2**].

Total Specimens for 13 May 1971: 2

14 May 1971

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Uganda: Serere Agricultural Research Station: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 14 May 1971: 4

16 May 1971

Kenya: Coast [former] province: ?: Collector Unknown: SMF: 53 [53 - **53**] - Shimoni cave: : SMF: 3 [3 - **3** - **56**].
Mauritania: Aleg, 3 km S: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1971: 57

17 May 1971

Kenya: Naibei's Great Cave: Mutuku Mutinga, John: SMF: 1 [1 - **1**] - Western [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 17 May 1971: 2

18 May 1971

Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1971: 1

20 May 1971

Uganda: Kapchorwa, cave: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 20 May 1971: 2

25 May 1971

Ghana: Pampramase: Jeffrey, Sonia M.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1971: 1

26 May 1971

Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1971: 1

27 May 1971

Burundi: Murore: Niort, P.L.: MHNG: 4 [4 - **4** - **4**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1**] - Lugala: Hawkins, James D.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 27 May 1971: 6

28 May 1971

Côte d'Ivoire: Oumé: ORSTOM: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 May 1971: 1

31 May 1971

Botswana: Seronga, 116.5 km ESE: Archer, T.: ROM: 1 [1 - **1**] - Seronga, 72 km ESE: Archer, T.: ROM: 6 [6 - **6** - **7**].

Total Specimens for 31 May 1971: 7

1 June 1971

Ethiopia: Bulcha Forest: Ash, John S.: BMNH: 4 [4 - **4** - **4**].
Tanzania: Kisarawe, near: ?: Collector Unknown: TM: 1 [1]; Howell, Kim M.: USNM: 15 [15 - **16** - **16**].

Total Specimens for 1 June 1971: 20

3 June 1971

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1971: 1

4 June 1971

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ethiopia: Bulcha Forest: Ash, John S.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1971: 2

6 June 1971

Ethiopia: Bahar Dar: Kock, Dieter: SMF: 2 [2 - **2** - **2**].

Total Specimens for 6 June 1971: 2

8 June 1971

Botswana: Maun: Archer, T.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1971: 1

10 June 1971

Botswana: Maun: Archer, T.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1971: 1

11 June 1971

Côte d'Ivoire: Lakota, 15 km N: Robbins, Lynn W.: AMNH: 13 [13 - **13** - **13**].
Senegal: Bandia: Chateau, R.: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 11 June 1971: 15

12 June 1971

Côte d'Ivoire: Guéboua: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - Lakota, 15 km N: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **3**].

Total Specimens for 12 June 1971: 3

14 June 1971

Egypt: Saqqara: Helmy, Ibrahim; Kock, Dieter: SMF: 1 [1 - **1** - **1**].
Liberia: Paynesville: Schlitter, Duane Albert: USNM: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1971: 2

15 June 1971

Egypt: Abu Rawash: Ryšavý, B.: IVB: 17 [17 - **17** - **17**].

Total Specimens for 15 June 1971: 17

16 June 1971

Egypt: Saqqara: Kock, Dieter: SMF: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1971: 2

18 June 1971

Namibia: Tsotsana, 18 km W: Coetzee, C.G.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1971: 1

19 June 1971

Uganda: Ruhizha area: Kingdon, Jonathan: HZM: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1971: 1

23 June 1971

Kenya: Laisam id.: Drewes, Robert C.: CAS: 1 [1 - **1** - **1**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 23 June 1971: 6

27 June 1971

Cameroon: Ngoumé: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 June 1971: 1

29 June 1971

Uganda: Teso: Hawkins, James D.: ROM: 12 [12 - **12** - **12**].

Total Specimens for 29 June 1971: 12

30 June 1971

Uganda: Teso: Hawkins, James D.: ROM: 30 [30 - **30** - **30**].

Total Specimens for 30 June 1971: 30

1 July 1971

Congo (Democratic Republic of the): Bukavu: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Gabon: Ipassa: Bradbury, Jack W.: CUMV: 1 [1 - **1**] - Makokou: Bradbury, Jack W.: CUMV: 2 [2 - **2** - **3**].
Sierra Leone: Freetown: Pitt, D.: ROM: 1 [1 - **1** - **1**].
Uganda: Teso: Hawkins, James D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 1 July 1971: 7

2 July 1971

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Liberia: Tars Town: Schlitter, Duane Albert: USNM: 8 [8 - **8** - **8**].
Uganda: Teso: Hawkins, James D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1971: 10

3 July 1971

Uganda: Teso: Hawkins, James D.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 3 July 1971: 3

4 July 1971

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Oromiya state: ?: Collector Unknown: SMF: 3 [3 - **3** - **4**].

Total Specimens for 4 July 1971: 4

6 July 1971

South Africa: Barberton: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].

Total Specimens for 6 July 1971: 5

8 July 1971

Chad: Bébédjia: Lourens, J.H.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1971: 1

9 July 1971

Liberia: Tars Town: Schlitter, Duane Albert: USNM: 4 [4 - **4** - **4**].
Nigeria: Darazo, 6 km E: Koeman, J.H.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1971: 5

10 July 1971

Kenya: Fort Hall: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Uganda: Sukuli Hills: Hawkins, James D.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 10 July 1971: 4

12 July 1971

Côte d'Ivoire: Lakota, 15 km N: Robbins, Lynn W.: AMNH: 3 [3 - **3** - **3**].
Liberia: Tars Town: Schlitter, Duane Albert: USNM: 1 [1 - **1** - **1**].
Uganda: Bukedi: Hawkins, James D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 12 July 1971: 6

14 July 1971

Liberia: Tars Town: Schlitter, Duane Albert: USNM: 2 [2 - **2** - **2**].

Total Specimens for 14 July 1971: 2

15 July 1971

Liberia: Tars Town: Schlitter, Duane Albert: USNM: 2 [2 - **2** - **2**].

Total Specimens for 15 July 1971: 2

16 July 1971

Liberia: Tars Town: Schlitter, Duane Albert: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1971: 1

19 July 1971

Egypt: Abu Rawash: Groschaft, J.; Ryšavý, B.: NMP: 3 [3 - **3** - **3**].
Liberia: Tars Town: Schlitter, Duane Albert: USNM: 2 [2 - **2** - **2**].

Total Specimens for 19 July 1971: 5

20 July 1971

Liberia: Tars Town: Schlitter, Duane Albert: USNM: 2 [2 - **2** - **2**].
Sierra Leone: Freetown: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1971: 3

21 July 1971

Liberia: Tars Town: Schlitter, Duane Albert: USNM: 1 [1 - **1** - **1**].
Uganda: Kawanda, Agriculture Research Station: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1971: 2

22 July 1971

Cameroon: Garoua: Puylaert, Firmin A.; Elsen, P.: RMCA: 26 [26 - **26** - **26**].
Liberia: Tars Town: Schlitter, Duane Albert: USNM: 1 [1 - **1** - **1**].
Morocco: Ifrane: Louette, Michel: RMCA: 1 [1 - **1** - **1**].
Uganda: Kawanda, Agriculture Research Station: Hawkins, James D.: CAS: 6 [6 - **6** - **6**].
Zambia: Chipongwe Cave: Ansell, William Frank Harding: HNHM: 1, ROM: 10 [11 - **11** - **11**].

Total Specimens for 22 July 1971: 45

23 July 1971

Uganda: Kawanda, Agriculture Research Station: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 23 July 1971: 2

24 July 1971

Liberia: Tars Town: Schlitter, Duane Albert: USNM: 7 [7 - **7** - **7**].

Uganda: Budongo: ?: Collector Unknown: AMS: 2 [2 - **2**] - Kawanda, Agriculture Research Station: Hawkins, James D.: CAS: 3, ROM: 7 [10 - **10**] - Tororo: Hawkins, James D.: CAS: 1 [1 - **1** - **13**].

Total Specimens for 24 July 1971: 20

25 July 1971

Egypt: El Faiyum: Ryšavý, B.: NMP: 4 [4 - **4** - **4**].
Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Liberia: Tars Town: Schlitter, Duane Albert: USNM: 14 [14 - **14** - **14**].

Total Specimens for 25 July 1971: 19

26 July 1971

Cameroon: Waza: Puylaert, Firmin A.; Elsen, P.: RMCA: 36 [36 - **36** - **36**].
Liberia: Tars Town: Schlitter, Duane Albert: USNM: 8 [8 - **8** - **8**].
South Africa: Thabazimbi, 32 km W: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Uganda: Tororo: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 26 July 1971: 47

27 July 1971

Cameroon: Waza: Puylaert, Firmin A.; Elsen, P.: RMCA: 33 [33 - **33** - **33**].
Liberia: Tars Town: Schlitter, Duane Albert: USNM: 6 [6 - **6** - **6**].
Uganda: Tororo: Hawkins, James D.: CAS: 3 [3 - **3** - **3**].

Total Specimens for 27 July 1971: 42

28 July 1971

Cameroon: Waza: Puylaert, Firmin A.; Elsen, P.: RMCA: 65 [65 - **65** - **65**].
Ethiopia: Gambela: Largen, M.J.: SMF: 1 [1 - **1** - **1**].
Liberia: Tars Town: Schlitter, Duane Albert: USNM: 2 [2 - **2** - **2**].
Morocco: Meski: Louette, Michel: RMCA: 1 [1 - **1** - **1**].
Uganda: Tororo: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 28 July 1971: 71

29 July 1971

Cameroon: Waza: Puylaert, Firmin A.; Elsen, P.: RMCA: 37 [37 - **37** - **37**].
Liberia: Tars Town: Schlitter, Duane Albert: USNM: 9 [9 - **9** - **9**].

Total Specimens for 29 July 1971: 46

30 July 1971

Cameroon: Waza: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1** - **1**].
Liberia: Tars Town: Schlitter, Duane Albert: USNM: 5 [5 - **5** - **5**].
South Africa: Barberton: ?: Collector Unknown: TM: 15 [15 - **15** - **15**].

Total Specimens for 30 July 1971: 21

31 July 1971

Liberia: Tchien, 25 km N: Robbins, Lynn W.: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 31 July 1971: 6

1 August 1971

Gabon: Bateke Plateau: Bradbury, Jack W.: CUMV: 1 [1 - **1** - **1**].
Liberia: Tars Town: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - Tchien: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - Tchien, 25 km N: Robbins, Lynn W.: AMNH: 4 [4 - **4** - **6**].
Zambia: Ngwerere cave: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1971: 8

2 August 1971

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1971: 1

3 August 1971

Cameroon: Yagoua: Puylaert, Firmin A.; Elsen, P.: RMCA: 14 [14 - **14** - **14**].
Côte d'Ivoire: Adzopé: Vissault, Jacques: ZMA: 5 [5 - **5** - **5**].
Gabon: Makob: Bradbury, Jack W.: CUMV: 3 [3 - **3** - **3**].
Liberia: Tchien: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Sierra Leone: Kent: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1971: 24

4 August 1971

Cameroon: Yagoua: Puylaert, Firmin A.; Elsen, P.: RMCA: 11 [11 - **11** - **11**].
Liberia: Tchien, 7 km N: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 4 August 1971: 13

5 August 1971

Cameroon: Yagoua: Puylaert, Firmin A.; Elsen, P.: RMCA: 35 [35 - **35** - **35**].
Sierra Leone: Kent: Pitt, D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 5 August 1971: 37

6 August 1971

Cameroon: Yagoua: Puylaert, Firmin A.; Elsen, P.: RMCA: 22 [22 - **22** - **22**].

Total Specimens for 6 August 1971: 22

7 August 1971

Cameroon: Ngaoundéré: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1**] - Yagoua: Puylaert, Firmin A.; Elsen, P.: RMCA: 13 [13 - **13** - **14**].

Total Specimens for 7 August 1971: 14

8 August 1971

South Africa: Farm Buren: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Uganda: Sukuli Hills: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 8 August 1971: 3

12 August 1971

Côte d'Ivoire: Adiopodoumé: Robbins, Lynn W.: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 12 August 1971: 4

13 August 1971

Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 22 [22 - **22** - **22**].
Tunisia: Unknown locality: ?: Collector Unknown: SMF: 27 [27 - **27**] - Nabeul governorate: ?: Collector Unknown: SMF: 52 [52 - **52** - **79**].

Total Specimens for 13 August 1971: 101

15 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 10 [10 - **10**] - Great Soppo: Ngam, V.N.: ROM: 1 [1 - **1**] - Yagoua or Waza: Van Praet: RMCA: 5 [5 - **5** - **16**].
Côte d'Ivoire: Adiopodoumé: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Gabon: Edzameyen: Bradbury, Jack W.: CUMV: 2 [2 - **2** - **2**].

Total Specimens for 15 August 1971: 19

16 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 12 [12 - **12** - **12**].

Ghana: Elima and Cape Coast, between: Roodenburg, W.F.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1971: 13

17 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 5 [5 - **5** - **5**].
South Africa: Rhenlagen: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Uvongo: Hayward, Bruce Joliffe: WNMU: 2 [2 - **2**] - Uvongo Beach: Hayward, Bruce Joliffe: FMNH: 9 [9 - **9**] - Uvongo Beach, in Eucalyptus plantation: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **13**].

Total Specimens for 17 August 1971: 18

18 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 7 [7 - **7** - **7**].
South Africa: Uvongo: Hayward, Bruce Joliffe: FMNH: 11 [11 - **11**] - Uvongo Beach: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **12**].

Total Specimens for 18 August 1971: 19

19 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 15 [15 - **15** - **15**].
Côte d'Ivoire: Toumodi: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 August 1971: 17

20 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 5 [5 - **5** - **5**].
Côte d'Ivoire: Toumodi, 5 km SE: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Rwanda: Muhasi: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1971: 7

21 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 8 [8 - **8** - **8**].
South Africa: Uvongo: Hayward, Bruce Joliffe: WNMU: 2 [2 - **2**] - Uvongo Beach: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **4**].

Total Specimens for 21 August 1971: 12

22 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 12 [12 - **12** - **12**].
South Africa: Uvongo Beach: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 22 August 1971: 14

23 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 8 [8 - **8** - **8**].
Rwanda: Muhasi: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 2 [2 - **2** - **2**].
South Africa: Uvongo: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - Uvongo Beach: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5** - **6**].

Total Specimens for 23 August 1971: 16

24 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 6 [6 - **6** - **6**].
Côte d'Ivoire: Adiopodoumé: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1971: 7

25 August 1971

Burundi: Gitega: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 9 [9 - **9** - **9**].
Rwanda: Muhasi: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 25 August 1971: 14

26 August 1971

Cameroon: Galim: Puylaert, Firmin A.; Elsen, P.: RMCA: 14 [14 - **14** - **14**].
Nigeria: Igbo-ora: Fagbami, Ademola Hezekiah: USNM: 1 [1 - **1** - **1**].
Senegal: Saboya: Simonkovitch, E.: MNHN: 8 [8 - **8** - **8**].
Zambia: Ngwerere cave: Osborne, T.O.: CAS: 1, TTU: 8 [9 - **9** - **9**].

Total Specimens for 26 August 1971: 32

27 August 1971

South Africa: Uvongo Beach: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1971: 1

28 August 1971

South Africa: Sterkfontein caves: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].

Total Specimens for 28 August 1971: 6

29 August 1971

Gabon: Bawaka: Bradbury, Jack W.: CUMV: 1 [1 - **1** - **1**].
South Africa: Uvongo: Hayward, Bruce Joliffe: WNMU: 2 [2 - **2**] - Uvongo Beach: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **4**].
Tunisia: Galita Island: Charousset, F.; Schubert; Vesmanis, Indulis Evalds: SMF: 2 [2 - **2** - **2**].

Total Specimens for 29 August 1971: 7

30 August 1971

South Africa: Uvongo: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - Uvongo Beach: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **3**].

Total Specimens for 30 August 1971: 3

31 August 1971

Cameroon: Djohong: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1** - **1**].
South Africa: Uvongo: Hayward, Bruce Joliffe: WNMU: 2 [2 - **2**] - Uvongo Beach: Hayward, Bruce Joliffe: FMNH: 6 [6 - **6** - **8**].

Total Specimens for 31 August 1971: 9

1 September 1971

Kenya: Lake Naivasha: Tyres, R.F.Major: WAM: 1 [1 - **1** - **1**].
Senegal: Saboya: Simonkovitch, E.: MNHN: 3 [3 - **3** - **3**].
Uganda: Tororo: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].
Zambia: Chipongwe Cave: Osborne, T.O.: CAS: 8, TTU: 8 [16 - **16** - **16**].

Total Specimens for 1 September 1971: 22

2 September 1971

Cameroon: Djohong: Puylaert, Firmin A.; Elsen, P.: RMCA: 2 [2 - **2** - **2**].
Zambia: Lusaka: Osborne, T.O.: TTU: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1971: 3

3 September 1971

Cameroon: Djohong: Puylaert, Firmin A.; Elsen, P.: RMCA: 8 [8 - **8** - **8**].
Ghana: Bimbilla, 15 mi [=24 km] S: Robbins, Lynn W.: AMNH: 21 [21 - **21** - **21**].

Total Specimens for 3 September 1971: 29

4 September 1971

Cameroon: Djohong: Puylaert, Firmin A.; Elsen, P.: RMCA: 35 [35 - **35** - **35**].
Ghana: Bimbilla, 15 mi [=24 km] S: Robbins, Lynn W.: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 4 September 1971: 39

5 September 1971

Cameroon: Djohong: Puylaert, Firmin A.; Elsen, P.: RMCA: 28 [28 - **28** - **28**].

Total Specimens for 5 September 1971: 28

6 September 1971

Cameroon: Djohong: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1** - **1**].
Ghana: Bimbilla, 15 mi [=24 km] S: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 September 1971: 3

7 September 1971

Tanzania: Oyster Bay: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].
Uganda: Budongo Forest: Williams, John George: ROM: 1 [1 - **1**] - Tororo: Hawkins, James D.: CAS: 2, ROM: 1 [3 - **3** - **4**].

Total Specimens for 7 September 1971: 6

8 September 1971

Uganda: Tororo: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1971: 1

10 September 1971

Ghana: Kumasi Agricultural Station: Mensah, P.E.: ROM: 1 [1 - **1**] - Kumasi area: Mensah, P.E.: ROM: 1 [1 - **1**] - Kumawu: Mensah, P.E.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 10 September 1971: 3

11 September 1971

Congo (Democratic Republic of the): Kakanda cave: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Uganda: Tororo: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 11 September 1971: 3

12 September 1971

Cameroon: Olounou: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1** - **1**].
South Africa: Farm Hekpoort: ?: Collector Unknown: TM: 2 [2 - **2**] - Witwatersberg, Farm Hekpoort: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

Total Specimens for 12 September 1971: 4

13 September 1971

Cameroon: Olounou: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 September 1971: 1

14 September 1971

Cameroon: Olounou: Puylaert, Firmin A.; Elsen, P.: RMCA: 3 [3 - **3** - **3**].
Ghana: Wenchi: Mensah, P.E.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 14 September 1971: 8

15 September 1971

Ghana: Wenchi: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1971: 1

16 September 1971

Cameroon: Olounou: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1** - **1**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 16 September 1971: 3

17 September 1971

Cameroon: Olounou: Puylaert, Firmin A.; Elsen, P.: RMCA: 2 [2 - **2** - **2**].
Ghana: Accra, 9 mi [=14.5 km] NE: Gruwell, J.A.: CM: 1 [1]; Robbins, Lynn W.: AMNH: 6 [6]; Schlitter, Duane Albert: CM: 4 [4 - **11** - **11**].
Tanzania: Oyster Bay: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 17 September 1971: 16

18 September 1971

Cameroon: Olounou: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1971: 1

23 September 1971

Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 23 September 1971: 2

24 September 1971

Uganda: E.A.T.R.O. Field Station: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1971: 1

26 September 1971

Ethiopia: Gimbi: Dorst, Jean Pierre: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1971: 1

27 September 1971

Ethiopia: Gimbi, 12 km E: Dorst, Jean Pierre; *et al.*: MNHN: 1 [1 - **1**] - Gimbi, 25 km E: Dorst, Jean Pierre; *et al.*: MNHN: 1 [1 - **1**] - Gimbi, 7 km E: Dorst, Jean Pierre; *et al.*: MNHN: 1 [1 - **1** - **3**].

Total Specimens for 27 September 1971: 3

29 September 1971

Uganda: Sebei College, cave 1 mi [= 1.6 km] SW: Hawkins, James D.: CAS: 2 [2 - **2**] - Sebei College, cave 2 mi [= 3.2 km] SW: Hawkins, James D.: CAS: 1 [1 - **1** - **3**].

Total Specimens for 29 September 1971: 3

30 September 1971

Niger: Tapoa: ?: Collector Unknown: BRTC: 2 [2 - **2** - **2**].

Total Specimens for 30 September 1971: 2

1 October 1971

Côte d'Ivoire: Abidjan, 17 km W: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].
Ethiopia: Didessa settlement: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 30 [30 - **30** - **30**].
Uganda: Tororo: Hawkins, James D.: CAS: 3 [3 - **3** - **3**].

Total Specimens for 1 October 1971: 39

3 October 1971

Uganda: Budongo Forest: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1971: 1

4 October 1971

Uganda: Sebei College, cave 1 mi [= 1.6 km] SW: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 4 October 1971: 1

7 October 1971

Senegal: Saboya: Adam, F.: MNHN: 24 [24 - **24** - **24**].

Total Specimens for 7 October 1971: 24

8 October 1971

Senegal: Saboya: Adam, F.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1971: 1

9 October 1971

Kenya: Donyo Sabuk: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1971: 1

10 October 1971

Botswana: Khwai Lodge, 8 km W: Archer, T.: ROM: 3 [3 - **3**] - Khwai Lodge, 9 km W: Archer, T.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 10 October 1971: 4

12 October 1971

Liberia: Robertsfield Airport: Busink, R.J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1971: 1

13 October 1971

Kenya: Kakamega Forest: Hunter, G.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1971: 1

14 October 1971

Namibia: Swartbooisdrift: Buys, P.J.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1971: 1

15 October 1971

Botswana: Khwai Lodge, 12.9 km W: Archer, T.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 15 October 1971: 2

17 October 1971

Congo (Democratic Republic of the): Butembo: Lejeune, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1971: 1

18 October 1971

Tanzania: Mbizi Forest: Osborne, T.O.: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1971: 1

19 October 1971

Ghana: Ho: Mensah, P.E.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 19 October 1971: 7

23 October 1971

Côte d'Ivoire: Lakota, 15 km N: Gruwell, J.A.: CM: 1 [1 - **1** - **1**].
Ethiopia: Abiata, lake: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 October 1971: 2

25 October 1971

Botswana: Seronga, 72 km ESE: Archer, T.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1971: 1

26 October 1971

Botswana: Seronga, 72 km ESE: Archer, T.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1971: 1

27 October 1971

Botswana: Seronga, 72 km ESE: Archer, T.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1971: 1

29 October 1971

Ethiopia: Omar limestone cave, S of: Yalden, Derek; Morris, P.; Largen, M.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1971: 1

31 October 1971

Côte d'Ivoire: Bouaké, 25 km N: Gruwell, J.A.: CM: 1 [1 - **1** - **1**].
Ethiopia: Abiata, lake: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1971: 2

1 November 1971

Congo (Democratic Republic of the): Butembo: Lejeune, M.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 1 November 1971: 4

7 November 1971

Ghana: Kwabenya: Grubb, Peter: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1971: 1

10 November 1971

Ghana: Unknown locality: Roodenburg, W.F.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1971: 1

11 November 1971

Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 21 [21]; Howell, Kim M.; Msuya, C.A.: USNM: 17 [17 - **38** - **38**].

Total Specimens for 11 November 1971: 38

12 November 1971

Côte d'Ivoire: Abidjan, 15 km NW: Gruwell, J.A.: CM: 1 [1]; Robbins, Lynn W.: AMNH: 4 [4 - **5** - **5**].
Swaziland: Tshaneni: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Uganda: Tororo: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].
Zambia: Mongu: : NMZL: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1971: 8

15 November 1971

Botswana: Khwai Lodge, 12.9 km W: Archer, T.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 15 November 1971: 3

19 November 1971

Rwanda: Kigali: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 1 [1 - **1**] - Masaka - Kigali: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 3 [3 - **3** - **4**].

Uganda: Kawanda, Agriculture Research Station: Hawkins, James D.: CAS: 4 [4 - **4** - **4**].

Total Specimens for 19 November 1971: 8

20 November 1971

Namibia: Omega: Coetzee, C.G.: SMW: 1 [1 - **1** - **1**].
Uganda: Kawanda, Agriculture Research Station: Hawkins, James D.: CAS: 3 [3 - **3** - **3**].

Total Specimens for 20 November 1971: 4

21 November 1971

Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Uganda: Kawanda, Agriculture Research Station: Hawkins, James D.: CAS: 6 [6 - **6** - **6**].

Total Specimens for 21 November 1971: 7

22 November 1971

Uganda: Kawanda, Agriculture Research Station: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 22 November 1971: 2

23 November 1971

Uganda: Kawanda, Agriculture Research Station: Hawkins, James D.: CAS: 4 [4 - **4** - **4**].

Total Specimens for 23 November 1971: 4

24 November 1971

Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1971: 1

26 November 1971

Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1971: 1

27 November 1971

Ethiopia: Bahadu: Ash, John S.: USNM: 5 [5 - **5** - **5**].
Uganda: Budongo: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1971: 6

29 November 1971

Congo (Democratic Republic of the): Mwenga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1971: 1

30 November 1971

Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1971: 1

1 December 1971

Kenya: Rondo forest: Glen, Robert M.: ROM: 21 [21 - **21** - **21**].

Total Specimens for 1 December 1971: 21

2 December 1971

Rwanda: Kibuye: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 1 [1 - **1** - **1**].
Tanzania: Kisarawe: Howell, Kim M.: BMNH: 3 [3 - **3**] - Kisarawe, near: Howell, Kim M.: USNM: 15 [15 - **15** - **18**].

Total Specimens for 2 December 1971: 19

3 December 1971

Ghana: Juaso: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Rwanda: Kibuye: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1971: 2

4 December 1971

Cameroon: Mamfe, 12 km SE: Robbins, Lynn W.: AMNH: 4 [4 - **4** - **4**].
Sudan: Nuba mountains: El Rayah, M.A.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 4 December 1971: 6

5 December 1971

Cameroon: Mamfe, 12 km SE: Gruwell, J.A.: TTU: 4 [4]; Robbins, Lynn W.: AMNH: 4 [4]; Robwell, L.J.: TTU: 1 [1 - **9** - **9**].
Zambia: Muckle Neuk: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1971: 10

6 December 1971

Cameroon: Mamfe, 12 km SE: Robbins, Lynn W.: AMNH: 7 [7 - **7**] - Mamfe, 15 km SE: Gruwell, J.A.: TTU: 8 [8]; Robbins, Lynn W.: AMNH: 1 [1]; Robwell, L.J.: TTU: 2 [2 - **11** - **18**].
Zambia: Muckle Neuk: : NMZL: 1 [1 - **1**] - Munali: : NMZL: 1 [1 - **1** - **2**].

Total Specimens for 6 December 1971: 20

7 December 1971

Cameroon: Mamfe, 15 km SE: Gruwell, J.A.: TTU: 2 [2]; Robbins, Lynn W.: AMNH: 2 [2 - **4** - **4**].

Total Specimens for 7 December 1971: 4

8 December 1971

Cameroon: Mamfe, 15 km SE: Gruwell, J.A.: TTU: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1971: 1

9 December 1971

Cameroon: Mamfe, 15 km SE: Gruwell, J.A.: TTU: 3 [3]; Robbins, Lynn W.: AMNH: 3 [3]; Robwell, L.J.: TTU: 1 [1 - **7** - **7**].

Total Specimens for 9 December 1971: 7

10 December 1971

Burundi: Mabaye: Niort, P.L.: MHNG: 20 [20 - **20** - **20**].
Cameroon: Mamfe, 15 km SE: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1971: 21

12 December 1971

Kenya: Donya Sabuk [=syn Donjo Sebuk, Ol Dongo Sabuk National Park]: Benson, John: NMK: 1 [1 - **1** - **1**].
South Africa: Makalali: Ginn, P.J.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1971: 2

13 December 1971

Mozambique: Matola: Kjellesvig-Waering, Erik Norman: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1971: 1

15 December 1971

Cameroon: Bamenda, 14 km E: Gruwell, J.A.: TTU: 3 [3]; Robbins, Lynn W.: AMNH: 8 [8 - **11** - **11**].
Tanzania: Kisarawe: Howell, Kim M.: MCZ: 2 [2 - **2**] - Kisarawe, near: Howell, Kim M.: USNM: 22 [22 - **22** - **24**].

Total Specimens for 15 December 1971: 35

16 December 1971

Cameroon: Bamenda, 14 km E: Gruwell, J.A.: TTU: 3 [3]; Robbins, Lynn W.: AMNH: 5 [5]; Robwell, L.J.: TTU: 2 [2 - **10** - **10**].

Total Specimens for 16 December 1971: 10

17 December 1971

Senegal: Saboya: Adam, F.: MNHN: 5 [5 - **5** - **5**].

Total Specimens for 17 December 1971: 5

18 December 1971

Ethiopia: Koka: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 18 December 1971: 2

19 December 1971

Zimbabwe: Atlantica Ecological Research Station: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1971: 1

20 December 1971

Ethiopia: Koka: Ash, John S.: USNM: 2 [2 - **2** - **2**].
Sudan: Nuba mountains: El Rayah, M.A.: ROM: 18 [18 - **18** - **18**].

Total Specimens for 20 December 1971: 20

21 December 1971

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 December 1971: 1

22 December 1971

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1971: 1

26 December 1971

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1971: 1

28 December 1971

Ghana: Kade Agricultural Research Station: Fenton, Melville Brock; Taylor, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1971: 1

29 December 1971

Kenya: Makindu River: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1971: 1

30 December 1971

Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 17 [17 - **17** - **17**].

Total Specimens for 30 December 1971: 17

1 January 1972

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Musingi: Guissart, André: RMCA: 10 [10 - **10** - **10**].
Côte d'Ivoire: Unknown locality: ORSTOM: RMCA: 1 [1 - **1**] - Adiopodoumé: ORSTOM: ZMA: 2 [2 - **2** - **3**].
Ethiopia: Gambela: : SMF: 2 [2]; Nikolaus, Gerhard: SMF: 4 [4 - **6** - **6**].

Kenya: Kisumu: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 75 [75 - **75**] - Rondo forest: Peterson, Randolph L.; Glen, Robert M.: ROM: 3 [3]; Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 25 [25 - **28** - **103**].
Tanzania: Serengeti National Park: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1972: 125

4 January 1972

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1972: 1

5 January 1972

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1972: 1

6 January 1972

Swaziland: Tshaneni: Jones, Theo Simpson: ROM: 2 [2 - **2** - **2**].

Total Specimens for 6 January 1972: 2

7 January 1972

Zambia: Kabulonga: : NMZL: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1972: 1

10 January 1972

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Tanzania: Kisarawe: Howell, Kim M.: BMNH: 1 [1 - **1**] - Kisarawe, near: Howell, Kim M.: USNM: 3 [3 - **3** - **4**].

Total Specimens for 10 January 1972: 5

12 January 1972

Swaziland: Balagane: Jones, Theo Simpson: ROM: 5 [5 - **5** - **5**].

Total Specimens for 12 January 1972: 5

14 January 1972

Kenya: Langata: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 14 January 1972: 4

17 January 1972

Tanzania: Kisarawe: Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1972: 1

18 January 1972

South Africa: Skukuza: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1972: 1

21 January 1972

Cameroon: Okola: Gruwell, J.A.: TTU: 4 [4]; Robbins, Lynn W.: AMNH: 8 [8]; Robwell, L.J.: TTU: 5 [5 - **17** - **17**].
Kenya: Ol' Donyo Sabuk [=Donyo Sabuk]: ?: Collector Unknown: BRTC: 2 [2 - **2** - **2**].

Total Specimens for 21 January 1972: 19

22 January 1972

Cameroon: Okola: Gruwell, J.A.: TTU: 1 [1]; Robbins, Lynn W.: AMNH: 2 [2]; Robwell, L.J.: TTU: 4 [4 - **7** - **7**].

Total Specimens for 22 January 1972: 7

24 January 1972

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Côte d'Ivoire: Matonguiné: ORSTOM: RMCA: 1 [1 - **1** - **1**].
Kenya: Ol' Donyo Sabuk [=Donyo Sabuk]: ?: Collector Unknown: BRTC: 3 [3 - **3** - **3**].

Total Specimens for 24 January 1972: 5

27 January 1972

Ethiopia: Didessa settlement: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1972: 1

28 January 1972

Ethiopia: Didessa settlement: Ash, John S.: USNM: 9 [9 - **9** - **9**].
Kenya: Donyo Sabuk: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 28 January 1972: 13

29 January 1972

Ethiopia: Didessa settlement: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Donyo Sabuk: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 29 January 1972: 4

31 January 1972

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1972: 1

1 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.: RMCA: 1 [1 - **1** - **1**].
Ghana: Asenparage garden: Jeffrey, Sonia M.: RMCA: 2 [2 - **2** - **2**].
Kenya: Donyo Sabuk: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 5 [5 - **5**] - Rondo forest: Glen, Robert M.: ROM: 1 [1 - **1** - **6**].

Total Specimens for 1 February 1972: 9

3 February 1972

Ghana: Sefwi Asenparage: Jeffrey, Sonia M.: RMCA: 1 [1 - **1** - **1**].
Swaziland: Mhlumeni: Jones, Theo Simpson: ROM: 3 [3 - **3**] - Tshaneni: Jones, Theo Simpson: ROM: 1 [1 - **1** - **4**].

Total Specimens for 3 February 1972: 5

4 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.: RMCA: 2 [2 - **2** - **2**].
Ghana: Sefwi Asenparage: Jeffrey, Sonia M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1972: 3

5 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 5 February 1972: 5

6 February 1972

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 6 February 1972: 2

7 February 1972

Tanzania: Kisarawe, near: Howell, Kim M.: TTU: 2 [2 - **2** - **2**].

Total Specimens for 7 February 1972: 2

8 February 1972

"Africa": Unknown locality: Kingdon, Jonathan: HZM: 1 [1 - **1** - **1**].
Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.: RMCA: 3 [3 - **3** - **3**].
Senegal: Koular: Adam, F.: MNHN: 5 [5 - **5** - **5**].
Uganda: Budo: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1972: 10

9 February 1972

Ethiopia: Didessa settlement: Ash, John S.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 9 February 1972: 3

10 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Sehibi: RMCA: 1 [1 - **1** - **1**].
Kenya: Donyo Sabuk: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 10 February 1972: 3

11 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 11 February 1972: 4

12 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.: RMCA: 8 [8 - **8** - **8**].
Kenya: Donyo Sabuk: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 1 [1 - **1**] - Kayata area: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 8 [8 - **8**] - Ol' Donyo Sabuk [=Donyo Sabuk]: ?: Collector Unknown: BRTC: 4 [4 - **4** - **13**].

Total Specimens for 12 February 1972: 21

13 February 1972

Cameroon: Meanja: Ngam, V.N.: FMNH: 4 [4 - **4**] - Obala, 55 km NE: Gruwell, J.A.: TTU: 1 [1]; Robbins, Lynn W.: AMNH: 4 [4]; Robwell, L.J.: TTU: 1 [1 - **6** - **10**].

Total Specimens for 13 February 1972: 10

14 February 1972

Cameroon: Obala, 55 km NE: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - Obala, 82 km NE: Gruwell, J.A.: TTU: 2 [2]; Robbins, Lynn W.: AMNH: 4 [4]; Robwell, L.J.: TTU: 1 [1 - **7** - **8**].
Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Lucien: RMCA: 38 [38]; Verheyen, Walter N.; Yao: RMCA: 1 [1 - **39**] - Bouaké: Verheyen, Walter N.; Yao: RMCA: 1 [1 - **1** - **40**].
Kenya: Kajata area: ?: Collector Unknown: BRTC: 2 [2 - **2** - **2**].

Total Specimens for 14 February 1972: 50

15 February 1972

Cameroon: Nanga-Eboko, 82 km NE: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Lucien: RMCA: 22 [22]; Verheyen, Walter N.; Yao: RMCA: 4 [4 - **26** - **26**].
Kenya: Kajata area: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1972: 28

16 February 1972

Tanzania: Kisarawe: Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1972: 1

17 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Sehibi: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1972: 1

18 February 1972

Cameroon: Eséka, 9 km SE: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - Nanga-Eboko, 30 km E: Gruwell, J.A.: TTU: 13 [13]; Robbins, Lynn W.: AMNH: 18 [18 - **31** - **32**].
Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Lucien: RMCA: 37 [37]; Verheyen, Walter N.; Yao: RMCA: 1 [1 - **38** - **38**].
Niger: Tapoa, 29 km S: ?: Collector Unknown: BRTC: 1 [1]; Pöche, R.M.: UCM: 2 [2 - **3** - **3**].

Total Specimens for 18 February 1972: 73

19 February 1972

Cameroon: Nanga-Eboko, 30 km E: Gruwell, J.A.: TTU: 3 [3]; Robbins, Lynn W.: AMNH: 3 [3 - **6** - **6**].
Niger: Tapoa, 29 km S: ?: Collector Unknown: BRTC: 2 [2]; Pöche, R.M.: USNM: 1 [1 - **3** - **3**].

Total Specimens for 19 February 1972: 9

20 February 1972

Côte d'Ivoire: l'Orumbo: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - Lamto: : ZMA: 1 [1]; Vissault, Jacques: ZMA: 1 [1 - **2** - **4**].

Total Specimens for 20 February 1972: 4

22 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.: RMCA: 3 [3]; Verheyen, Walter N.; Lucien: RMCA: 2 [2]; Verheyen, Walter N.; Sehibi: RMCA: 4 [4]; Verheyen, Walter N.; Yao: RMCA: 2 [2 - **11** - **11**].
Niger: Tapoa, 1 km N: Pöche, R.M.: UCM: 1 [1 - **1** - **1**].
Zambia: Muckle Neuk: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1972: 13

23 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.: RMCA: 1 [1]; Verheyen, Walter N.; Lucien: RMCA: 1 [1]; Verheyen, Walter N.; Sehibi: RMCA: 3 [3]; Verheyen, Walter N.; Yao: RMCA: 12 [12 - **17** - **17**].
Niger: Tapoa, 28 km S: Pöche, R.M.: UCM: 1 [1 - **1**] - Tapoa, 29 km S: ?: Collector Unknown: BRTC: 1 [1 - **1** - **2**].

Total Specimens for 23 February 1972: 19

24 February 1972

Cameroon: Bertoua, 30 km W: Robwell, L.J.: TTU: 1 [1 - **1** - **1**].
Côte d'Ivoire: Adiopodoumé: ORSTOM: RMCA: 33 [33]; Verheyen, Walter N.: RMCA: 5 [5]; Verheyen, Walter N.; Lucien: RMCA: 2 [2 - **40** - **40**].
Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 1 [1 - **1** - **1**].
Tunisia: Nabeul governorate: ?: Collector Unknown: SMF: 8 [8 - **8** - **8**].

Total Specimens for 24 February 1972: 50

25 February 1972

Cameroon: Bertoua, 30 km W: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Niger: Tapoa: Pöche, R.M.: UCM: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1972: 2

26 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Yapi: RMCA: 4 [4 - **4** - **4**].
Ethiopia: Koka: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 26 February 1972: 6

27 February 1972

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 2 [2 - **2** - **2**].
Namibia: Namibia Desert Research Station [= DERU]: Roer, Hubert: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 February 1972: 3

28 February 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Michiels; Selens, M.: RMCA: 1 [1]; Verheyen, Walter N.; Yapi: RMCA: 11 [11 - **12** - **12**].
Zambia: Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 17 [17 - **17**] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 12 [12 - **12**] - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 1 [1 - **1** - **30**].

Total Specimens for 28 February 1972: 42

1 March 1972

Cameroon: Bertoua, 25 km NE: Gruwell, J.A.: TTU: 3 [3]; Robbins, Lynn W.: AMNH: 4 [4 - **7** - **7**].
Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; André: RMCA: 1 [1]; Verheyen, Walter N.; Yapi: RMCA: 1 [1 - **2** - **2**].

Total Specimens for 1 March 1972: 9

2 March 1972

Niger: Tapoa, 29 km S: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1972: 1

3 March 1972

Angola: Caimbambo: Visser, John: FMNH: 1 [1 - **1** - **1**].
Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.: RMCA: 6 [6]; Verheyen, Walter N.; Yapi: RMCA: 8 [8 - **14** - **14**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1972: 16

4 March 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Yao: RMCA: 2 [2 - **2**] - Lallie, lake: Verheyen, Walter N.; Yao: RMCA: 1 [1 - **1** - **3**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 4 March 1972: 5

5 March 1972

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1972: 1

6 March 1972

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1972: 1

7 March 1972

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 2 [2 - **2** - **2**].
Niger: Tapoa, 21 km E: Pöche, R.M.: USNM: 1 [1 - **1**] - Tapoa, 21 km S: Pöche, R.M.: UCM: 1 [1 - **1** - **2**].

Total Specimens for 7 March 1972: 4

8 March 1972

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Niger: Tapoa, 21 km E: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1972: 2

9 March 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Lucien: RMCA: 2 [2 - **2** - **2**].
Niger: Talantégou: ?: Collector Unknown: BRTC: 1 [1]; Pöche, R.M.: UCM: 1 [1 - **2** - **2**].

Total Specimens for 9 March 1972: 4

10 March 1972

Niger: Talantégou: Pöche, R.M.: USNM: 1 [1 - **1** - **1**].
Tanzania: Usa River: Eory, M.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1972: 2

11 March 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Lucien: RMCA: 1 [1]; Verheyen, Walter N.; Yapi: RMCA: 8 [8 - **9** - **9**].

Total Specimens for 11 March 1972: 9

13 March 1972

Congo: Dimonika: Faculte des Sciences - Univ. de Brazzaville (Dept. "Biologie Animale"),: ZMA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Yao: RMCA: 1 [1 - **1** - **1**].
Niger: Tapoa: Pöche, R.M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1972: 3

15 March 1972

Niger: Talantégou: Pöche, R.M.: UCM: 1, USNM: 1 [2 - **2**] - Tapoa: ?: Collector Unknown: BRTC: 1 [1]; Pöche, R.M.: USNM: 1 [1 - **2** - **4**].

Total Specimens for 15 March 1972: 4

16 March 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Michel: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 16 March 1972: 7

17 March 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Michel: RMCA: 2 [2 - **2** - **2**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1972: 3

18 March 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 18 March 1972: 2

20 March 1972

Niger: Tapoa: ?: Collector Unknown: BRTC: 1 [1]; Pöche, R.M.: UCM: 1 [1 - **2** - **2**].
Zimbabwe: Wankie-NP: Herbert, H.J.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1972: 3

21 March 1972

Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 1 [1 - **1** - **1**].
Tunisia: Gabès governorate: ?: Collector Unknown: SMF: 208 [208 - **208** - **208**].

Total Specimens for 21 March 1972: 209

23 March 1972

Côte d'Ivoire: Adiopodoumé: Verheyen, Walter N.; André: RMCA: 2 [2 - **2** - **2**].
Niger: Talantégou: Pöche, R.M.: USNM: 1 [1 - **1**] - Tapoa: Pöche, R.M.: UCM: 1, USNM: 3 [4 - **4** - **5**].

Total Specimens for 23 March 1972: 7

24 March 1972

Niger: Tapoa: Pöche, R.M.: USNM: 1 [1 - **1** - **1**].
Zambia: Lochinvar: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1972: 2

26 March 1972

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Swaziland: Tshaneni: Jones, Theo Simpson: ROM: 3 [3 - **3** - **3**].

Total Specimens for 26 March 1972: 4

28 March 1972

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1972: 1

30 March 1972

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 30 March 1972: 2

1 April 1972

Senegal: Djoujdi Park: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Tunisia: Nabeul governorate: ?: Collector Unknown: SMF: 36 [36 - **36** - **36**].

Total Specimens for 1 April 1972: 37

2 April 1972

Swaziland: Tshaneni: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1972: 1

3 April 1972

Tanzania: Kisarawe, near: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1972: 1

4 April 1972

Ethiopia: Gambela: Ash, John S.: CM: 1 [1 - **1** - **1**].
Tunisia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1972: 2

6 April 1972

Cameroon: Ngaoundéré, 14 km N: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - Ngaoundéré, 14 km S: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **3**].
Swaziland: Tshaneni: Jones, Theo Simpson: ROM: 21 [21 - **21** - **21**].

Total Specimens for 6 April 1972: 24

7 April 1972

Cameroon: Ngaoundéré, 14 km S: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].
Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1972: 3

8 April 1972

Mozambique: Rio das Pedras: Jones, Theo Simpson: ROM: 5 [5 - **5** - **5**].

Total Specimens for 8 April 1972: 5

9 April 1972

Cameroon: Ngaoundéré, 14 km S: Gruwell, J.A.: TTU: 2 [2 - **2** - **2**].

Total Specimens for 9 April 1972: 2

10 April 1972

Ethiopia: Mui: Largen, P.M.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1972: 1

11 April 1972

Kenya: Mwingi: Kyongo, Robert N.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1972: 1

12 April 1972

Cameroon: Ngaoundéré, 14 km S: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Niger: Park West: Pöche, R.M.: MVZ: 2 [2 - **2** - **2**].

Total Specimens for 12 April 1972: 3

14 April 1972

South Africa: Ledzee Estates: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1972: 1

17 April 1972

Cameroon: Bertoua, 30 km W: Robbins, Lynn W.: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 17 April 1972: 5

18 April 1972

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 1 [1]; Vissault, Jacques: ZMA: 1 [1 - **2** - **2**].

Total Specimens for 18 April 1972: 2

19 April 1972

Cameroon: Bertoua, 30 km W: Gruwell, J.A.: TTU: 1 [1]; Robbins, Lynn W.: AMNH: 2 [2 - **3** - **3**].
Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 7 [7]; Vissault, Jacques: ZMA: 2 [2 - **9** - **9**].

Total Specimens for 19 April 1972: 12

20 April 1972

Cameroon: Bertoua, 30 km W: Gruwell, J.A.: TTU: 12 [12]; Robbins, Lynn W.: AMNH: 15 [15]; Robwell, L.J.: TTU: 2 [2 - **29** - **29**].
Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Zambia: Mongu: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1972: 31

21 April 1972

Zambia: Sumbu: Mulumbu, T.: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1972: 1

22 April 1972

Cameroon: Bertoua, 30 km W: Gruwell, J.A.: TTU: 2 [2]; Robbins, Lynn W.: AMNH: 5 [5 - **7** - **7**].
Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1972: 8

23 April 1972

Cameroon: Bertoua, 30 km W: Robbins, Lynn W.: AMNH: 3 [3]; Robwell, L.J.: TTU: 2 [2 - **5** - **5**].

Total Specimens for 23 April 1972: 5

24 April 1972

Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1972: 1

26 April 1972

Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1972: 1

27 April 1972

Kenya: Donyo Sabuk, 3.2 km SE: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 2 [2 - **2**] - Makindu: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 2 [2 - **2**] - Makindu, 19 km W: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 24 [24 - **24** - **28**].
Zambia: Munali: Tucker, J.J.: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 27 April 1972: 29

28 April 1972

Kenya: Donyo Sabuk, 3.2 km SE: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 39 [39 - **39**] - Makindu, 13 km NW: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 3 [3 - **3**] - Makindu, 16 km NW: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 4 [4 - **4** - **46**].

Total Specimens for 28 April 1972: 46

29 April 1972

Kenya: Langata: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 29 April 1972: 6

30 April 1972

Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Liberia: Zigida Village: ?: Collector Unknown: USNM: 25 [25 - **25** - **25**].

Total Specimens for 30 April 1972: 26

1 May 1972

Kenya: Baharini Farm: Von Helversen, Otto: SMF: 1 [1 - **1** - **1**].
Zimbabwe: Singereri Hills: Peterson, Randolph L.; Turner, G.E.: ROM: 51 [51 - **51** - **51**].

Total Specimens for 1 May 1972: 52

2 May 1972

Ethiopia: Bahadu: Ash, John S.: USNM: 4 [4 - **4** - **4**].
Niger: Park West: ?: Collector Unknown: BRTC: 1 [1]; Pöche, R.M.: UCM: 1 [1 - **2** - **2**].
South Africa: Rustenburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Zimbabwe: Unknown locality: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1**] - Singereri Hills: Peterson, Randolph L.; Turner, G.E.: ROM: 3 [3 - **3** - **4**].

Total Specimens for 2 May 1972: 11

3 May 1972

Mozambique: Zinave: Lobao Tello, José L.P.: ROM: 4 [4 - **4** - **4**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1972: 5

4 May 1972

Mozambique: Covane: Lobao Tello, José L.P.: ROM: 6 [6 - **6**] - Macovane: Lobao Tello, José L.P.: ROM: 2 [2]; Wingate, Lloyd R.: AMNH: 10 [10 - **12** - **18**].
Zimbabwe: Rusper Farm: Peterson, Randolph L.; Turner, G.E.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 4 May 1972: 24

6 May 1972

Niger: Park West: Pöche, R.M.: UCM: 1, USNM: 2 [3 - **3** - **3**].
Zimbabwe: near Lake McIlwaine, Triumph mine: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1**] - Triumph Mine: Peterson, Randolph L.; Turner, G.E.: ROM: 16 [16 - **16** - **17**].

Total Specimens for 6 May 1972: 20

7 May 1972

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Zimbabwe: near Lake McIlwaine, Triumph mine: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1**] - Triumph Mine: Peterson, Randolph L.; Turner, G.E.: ROM: 30 [30 - **30** - **31**].

Total Specimens for 7 May 1972: 33

8 May 1972

Zimbabwe: Chikupo Caves: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1972: 1

9 May 1972

Zimbabwe: Chikupo Caves: Peterson, Randolph L.; Turner, G.E.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 9 May 1972: 5

10 May 1972

Kenya: Molo: Williams, John George: ROM: 1 [1 - **1** - **1**].
Zimbabwe: Chikupo cave, 19 km W: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1**] - Chikupo Caves: Peterson, Randolph L.; Turner, G.E.: ROM: 5 [5 - **5** - **6**].

Total Specimens for 10 May 1972: 7

11 May 1972

Ghana: Kpaudu: Hoogmoed, M.S.: RMNH: 1 [1 - **1** - **1**].
Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].
Zimbabwe: Chikupo Caves: Peterson, Randolph L.; Turner, G.E.: ROM: 38 [38 - **38**] - Chikupo caves area: Peterson, Randolph L.: ROM: 1 [1 - **1** - **39**].

Total Specimens for 11 May 1972: 45

12 May 1972

Niger: Tapoa, 12 km E: ?: Collector Unknown: BRTC: 1 [1 - **1**] - Tapoa, 2 km E: Pöche, R.M.: USNM: 2 [2 - **2** - **3**].

Total Specimens for 12 May 1972: 3

14 May 1972

Kenya: Central Elgon: Barton, Otis J.: ROM: 2 [2]; Barton, Otis J.; Barton, Miles: ROM: 12 [12 - **14**] - Central Elgon East: Barton, Otis J.; Barton, Miles: ROM: 24 [24 - **24**] - Cherangani: Barton, Otis J.; Barton, Miles: ROM: 13 [13 - **13**] - Cherangani Hills: Barton, Otis J.; Barton, Miles: ROM: 13 [13 - **13** - **64**].
Niger: Tapoa: Pöche, R.M.: USNM: 1 [1 - **1** - **1**].
Zimbabwe: Happy Valley Farm: Peterson, Randolph L.; Turner, G.E.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 14 May 1972: 70

15 May 1972

Kenya: Central Elgon: Barton, Otis J.; Barton, Miles: ROM: 16 [16 - **16**] - Central Elgon East: Barton, Otis J.; Barton, Miles: ROM: 1 [1 - **1** - **17**].
Zimbabwe: Happy Valley Farm: Peterson, Randolph L.; Turner, G.E.: ROM: 16 [16 - **16** - **16**].

Total Specimens for 15 May 1972: 33

16 May 1972

Kenya: Central Elgon: Barton, Otis J.; Barton, Miles: ROM: 36 [36 - **36**] - Central Elgon East: Barton, Otis J.; Barton, Miles: ROM: 8 [8 - **8**] - Malikisi River, Malikisi Caves: Barton, Otis J.; Barton, Miles: ROM: 25 [25 - **25** - **69**].

Zimbabwe: Happy Valley Farm: Peterson, Randolph L.; Turner, G.E.: ROM: 21 [21 - **21** - **21**].

Total Specimens for 16 May 1972: 90

17 May 1972

Kenya: Central Elgon: Barton, Otis J.: ROM: 1 [1]; Barton, Otis J.; Barton, Miles: ROM: 1 [1 - **2**] - Central Elgon East: Barton, Otis J.; Barton, Miles: ROM: 2 [2 - **2**] - Mount Elgon: Barton, Otis J.: ROM: 20 [20 - **20** - **24**].
Niger: Tapoa, 21 km E: Pöche, R.M.: UCM: 1, USNM: 2 [3 - **3** - **3**].
South Africa: Town Bush Valley, Town Bush Cave: Wingate, Lloyd R.: TM: 3 [3 - **3** - **3**].
Zimbabwe: Lanninghurst mine: Peterson, Randolph L.; Turner, G.E.: ROM: 23 [23 - **23**] - West Nicholson: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1** - **24**].

Total Specimens for 17 May 1972: 54

18 May 1972

Kenya: Kakamega Forest: Von Helversen, Otto: SMF: 1 [1 - **1**] - Mount Elgon: Barton, Otis J.: ROM: 12 [12 - **12** - **13**].
South Africa: Ashburton, farm: Wingate, Lloyd R.: TM: 1 [1 - **1** - **1**].
Zimbabwe: Lanninghurst mine: Peterson, Randolph L.; *et al.*: ROM: 28 [28]; Peterson, Randolph L.; Turner, G.E.: ROM: 3 [3 - **31** - **31**].

Total Specimens for 18 May 1972: 45

19 May 1972

Niger: Tapoa, 2 km E: Pöche, R.M.: UCM: 1, USNM: 4 [5 - **5**] - Toudou mines: Pöche, R.M.: MVZ: 2 [2 - **2** - **7**].
Zimbabwe: Atlantica Ecological Research Station: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2** - **2**].

Total Specimens for 19 May 1972: 9

20 May 1972

Zimbabwe: Kilworth Estate: Peterson, Randolph L.; *et al.*: ROM: 14 [14 - **14** - **14**].

Total Specimens for 20 May 1972: 14

21 May 1972

Zimbabwe: Mutare: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2** - **2**].

Total Specimens for 21 May 1972: 2

22 May 1972

Kenya: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Zimbabwe: Mutare: Peterson, Randolph L.; *et al.*: ROM: 12 [12]; Peterson, Randolph L.; Turner, G.E; Fenton, Melville Brock: ROM: 5 [5 - **17** - **17**].

Total Specimens for 22 May 1972: 18

23 May 1972

Zimbabwe: Mutare: Peterson, Randolph L.; *et al.*: ROM: 8 [8]; Peterson, Randolph L.; Turner, G.E; Fenton, Melville Brock: ROM: 17 [17 - **25** - **25**].

Total Specimens for 23 May 1972: 25

24 May 1972

South Africa: Pietermaritzburg University Campus: Wingate, Lloyd R.: AMNH: 1, TM: 2 [3 - **3** - **3**].
Zimbabwe: Birchenough Bridge Hotel: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1**] - Birchenough Bridge Hotel, 11 km W: Peterson, Randolph L.; *et al.*: ROM: 18 [18 - **18**] - Mutare: Peterson, Randolph L.; Turner, G.E; Fenton, Melville Brock: ROM: 2 [2 - **2** - **21**].

Total Specimens for 24 May 1972: 24

25 May 1972

Zimbabwe: Nuanetsi Ranch Headquarters: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1972: 1

26 May 1972

Zimbabwe: Nuanetsi Ranch Headquarters: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1**] - Nuanetsi Ranch Headquarters, 18 km W: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2** - **3**].

Total Specimens for 26 May 1972: 3

27 May 1972

Kenya: Turkwell Gorge: Barton, Otis J.: ROM: 5 [5 - **5** - **5**].
Zimbabwe: Nuanetsi Ranch Headquarters: Peterson, Randolph L.; *et al.*: ROM: 27 [27]; Peterson, Randolph L.; Turner, G.E.: ROM: 4 [4 - **31**] - Nungu Dam: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2**] - Wankie-NP, Makalowa: Wilson, Vivian J.: NHMZ: 1 [1 - **1**] - Wankie-NP, Ngamo Pans: Wilson, Vivian J.: NHMZ: 1 [1 - **1**] - Wankie-NP, Ngweshla: Wilson, Vivian J.: NHMZ: 1 [1 - **1** - **36**].

Total Specimens for 27 May 1972: 41

28 May 1972

Kenya: Turkwell Gorge: Barton, Otis J.: ROM: 10 [10 - **10** - **10**].
Zimbabwe: Nuanetsi Ranch Headquarters: Peterson, Randolph L.; *et al.*: ROM: 3 [3 - **3**] - Nungu Dam: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1**] - Wankie-NP, Makalowa: Wilson, Vivian J.: NHMZ: 1 [1 - **1** - **5**].

Total Specimens for 28 May 1972: 15

29 May 1972

Kenya: Turkwell Gorge: Barton, Otis J.: ROM: 10 [10 - **10** - **10**].
Zimbabwe: Nuanetsi Ranch Headquarters, 1.6 km W: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2**] - Nuanetsi Ranch Headquarters, 26 km W: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2** - **4**].

Total Specimens for 29 May 1972: 14

30 May 1972

Zimbabwe: Great Zimbabwe, Garden Cave: Peterson, Randolph L.; *et al.*: ROM: 11 [11 - **11**] - Retreat Farm: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2**] - Zimbabwe National Park: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1** - **14**].

Total Specimens for 30 May 1972: 14

31 May 1972

Zimbabwe: Humane Ranch: Dick, J.A.: ROM: 1 [1 - **1**] - Retreat Farm: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1**] - Zimbabwe National Park: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2** - **4**].

Total Specimens for 31 May 1972: 4

1 June 1972

Gabon: Ipassa-Mpassa station: Brosset, André: MNHN: 1 [1 - **1** - **1**].
Zimbabwe: Humane Ranch: Dick, J.A.: ROM: 2 [2 - **2**] - Retreat Farm: Peterson, Randolph L.; *et al.*: ROM: 6 [6 - **6** - **8**].

Total Specimens for 1 June 1972: 9

2 June 1972

Kenya: Koru: Williams, John George: ROM: 6 [6 - **6** - **6**].
Zimbabwe: Retreat Farm: Peterson, Randolph L.: ROM: 1 [1]; Peterson, Randolph L.; *et al.*: ROM: 8 [8]; Peterson, Randolph L.; Turner, G.E.: ROM: 5 [5 - **14** - **14**].

Total Specimens for 2 June 1972: 20

3 June 1972

Kenya: Elgon, Mount: Barton, Otis J.: ROM: 8 [8]; Burton, 2: ROM: 1 [1 - **9** - **9**].
Zimbabwe: Humane Ranch: Dick, J.A.: ROM: 1 [1 - **1**] - Retreat Farm: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 3 June 1972: 11

4 June 1972

Kenya: Central Elgon: Barton, Miles: ROM: 4 [4]; Barton, Otis J.: ROM: 23 [23 - **27**] - Elgon: Barton, Otis J.: ROM: 1 [1 - **1**] - Elgon, Mount: Barton, Miles: ROM: 14 [14 - **14** - **42**].

Total Specimens for 4 June 1972: 42

7 June 1972

Kenya: Kitum caves: Barton, Otis J.: ROM: 24 [24 - **24** - **24**].

Total Specimens for 7 June 1972: 24

8 June 1972

Kenya: Central Elgon: Barton, Otis J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1972: 1

9 June 1972

Kenya: Central Elgon: Barton, Otis J.: ROM: 14 [14 - **14** - **14**].

Total Specimens for 9 June 1972: 14

10 June 1972

Zimbabwe: Humane Ranch: Fenton, Melville Brock: ROM: 3 [3 - **3** - **3**].

Total Specimens for 10 June 1972: 3

11 June 1972

Kenya: Central Elgon: Barton, Otis J.: ROM: 2 [2 - **2**] - Kitale: Barton, Otis J.: ROM: 11 [11 - **11**] - Saboti: Barton, Otis J.: ROM: 8 [8 - **8** - **21**].

Total Specimens for 11 June 1972: 21

12 June 1972

Kenya: Kitale area: Barton, Otis J.: ROM: 5 [5 - **5** - **5**].
Zimbabwe: Bikita: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 June 1972: 6

13 June 1972

Swaziland: Tshaneni: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Zimbabwe: Birchenough Bridge, 8 km E: Fenton, Melville Brock: ROM: 5 [5 - **5** - **5**].

Total Specimens for 13 June 1972: 6

14 June 1972

Kenya: Central Elgon: Barton, Otis J.: ROM: 32 [32 - **32** - **32**].

Total Specimens for 14 June 1972: 32

15 June 1972

Kenya: Kitale, 24 km from: Barton, Otis J.: ROM: 2 [2 - **2**] - Kitale, 48 km from: Barton, Otis J.: ROM: 5 [5 - **5**] - Kitale, 50 km from: Barton, Otis J.: ROM: 2 [2 - **2** - **9**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 15 June 1972: 14

17 June 1972

Burundi: Bukara: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Kenya: Kitale, 50 km from: Barton, Otis J.: ROM: 34 [34 - **34** - **34**].

Total Specimens for 17 June 1972: 35

18 June 1972

Kenya: Lake Naivasha: Barton, Otis J.: ROM: 6 [6 - **6**] - Naivasha: Barton, Otis J.: ROM: 4 [4 - **4** - **10**].

Total Specimens for 18 June 1972: 10

19 June 1972

Kenya: Mount Elgon: Barton, Otis J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 19 June 1972: 2

21 June 1972

Kenya: Nanyuki: Barton, Otis J.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 21 June 1972: 6

22 June 1972

Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1972: 1

24 June 1972

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1972: 2

25 June 1972

Tanzania: Dar es Salaam: Howell, Kim M.; Otindo, B.L.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1972: 1

26 June 1972

Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 4 [4 - **4** - **4**].

Total Specimens for 26 June 1972: 4

27 June 1972

Kenya: Mount Suswa: Barton, Otis J.: ROM: 40 [40 - **40** - **40**].

Total Specimens for 27 June 1972: 40

30 June 1972

Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 2 [2 - **2** - **2**].
Kenya: Central island: Horne, J.; Howell, Kim M.: BMNH: 1 [1 - **1**] - Solai Valley: Barton, Otis J.: ROM: 10 [10 - **10** - **11**].

Total Specimens for 30 June 1972: 13

1 July 1972

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Gambela: Nikolaus, Gerhard: ZFMK: 1 [1 - **1** - **2**].
Kenya: Naivasha: Barton: ROM: 8 [8]; Barton, Otis J.: ROM: 2 [2 - **10**] - Solai Valley: Barton, Otis J.: ROM: 48 [48 - **48** - **58**].
Madagascar: Tamatave: Blommers-Schlösser, Rose Marie Antoinette: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1972: 61

3 July 1972

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 3 July 1972: 4

4 July 1972

Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1972: 1

5 July 1972

Ethiopia: Bulcha Forest: Ash, John S.: CM: 1, USNM: 2 [3 - **3** - **3**].

Total Specimens for 5 July 1972: 3

6 July 1972

Kenya: Mount Elgon: Barton, Otis J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1972: 1

7 July 1972

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 7 July 1972: 1

9 July 1972

Ethiopia: Bulcha Forest: Ash, John S.: CM: 1, USNM: 1 [2 - **2** - **2**].

Total Specimens for 9 July 1972: 2

10 July 1972

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 10 July 1972: 2

11 July 1972

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Mount Elgon: Barton, Otis J.: ROM: 8 [8 - **8** - **8**].

Total Specimens for 11 July 1972: 9

14 July 1972

Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 1 [1 - **1** - **1**].
Gabon: CNRS Lek: Bradbury, Jack W.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1972: 2

20 July 1972

South Africa: Tshaneni: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
Tanzania: Kisarawe, near: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 20 July 1972: 3

22 July 1972

Gabon: CNRS Lek: Bradbury, Jack W.: CUMV: 1 [1 - **1** - **1**].
Kenya: Menengai Crater: Barton, Otis J.: ROM: 58 [58 - **58** - **58**].

Total Specimens for 22 July 1972: 59

23 July 1972

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Kakamega Forest: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1972: 2

24 July 1972

Ethiopia: Gambela: Ash, John S.: USNM: 2 [2]; Nikolaus, Gerhard: ZFMK: 1 [1 - **3** - **3**].

Total Specimens for 24 July 1972: 3

26 July 1972

Ethiopia: Gambela: Ash, John S.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 26 July 1972: 3

27 July 1972

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1972: 1

28 July 1972

Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1972: 1

29 July 1972

Gabon: CNRS Lek: Bradbury, Jack W.: CUMV: 2 [2 - **2** - **2**].

Total Specimens for 29 July 1972: 2

30 July 1972

Zambia: Mfuwe: Caughley, G.J.: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1972: 1

1 August 1972

Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
Gabon: CNRS Lek: Bradbury, Jack W.: CUMV: 3 [3 - **3** - **3**].
Kenya: Vipingo: Barton, Otis J.: ROM: 26 [26 - **26** - **26**].
Zambia: Kriel cave: Black, Hal L.: MSB: 3 [3 - **3** - **3**].

Total Specimens for 1 August 1972: 33

2 August 1972

Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 2 [2 - **2** - **2**].
Kenya: Vipingo: Barton, Otis J.: ROM: 77 [77 - **77** - **77**].
Zambia: Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 2 [2 - **2** - **2**].

Total Specimens for 2 August 1972: 81

3 August 1972

Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 2 [2 - **2** - **2**].
Kenya: Tiwi: Barton, Otis J.: ROM: 12 [12 - **12** - **12**].
South Africa: Monument Park, Monument Park caves: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **5**].

Total Specimens for 3 August 1972: 19

5 August 1972

Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1972: 1

6 August 1972

Ethiopia: Gambela: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1972: 1

7 August 1972

Cameroon: Poli: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 1 [1 - **1** - **1**].
Kenya: Tiwi: Barton, Otis J.: ROM: 41 [41 - **41** - **41**].
Zambia: Kriel cave: Black, Hal L.: MSB: 4 [4 - **4** - **4**].

Total Specimens for 7 August 1972: 46

8 August 1972

Cameroon: Poli: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 5 [5 - **5** - **5**].
Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 1 [1 - **1** - **1**].
Kenya: Tiwi: Barton, Otis J.: ROM: 22 [22 - **22** - **22**].

Total Specimens for 8 August 1972: 28

9 August 1972

Cameroon: Poli: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 9 [9 - **9** - **9**].
Gabon: Makob: Bradbury, Jack W.: CUMV: 10 [10 - **10** - **10**].

Total Specimens for 9 August 1972: 19

11 August 1972

Cameroon: Poli: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 3 [3 - **3** - **3**].
Liberia: Sinoe county: Johnson: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 11 August 1972: 5

12 August 1972

Cameroon: Poli: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 12 August 1972: 14

13 August 1972

Cameroon: Poli: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 13 August 1972: 8

14 August 1972

Cameroon: Poli: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 24 [24 - **24** - **24**].

Total Specimens for 14 August 1972: 24

15 August 1972

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Poli: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 26 [26 - **26** - **26**].
Zimbabwe: Dett: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1972: 28

17 August 1972

Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 17 August 1972: 3

18 August 1972

Cameroon: Boukma: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1972: 1

19 August 1972

Cameroon: Boukma: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 2 [2 - **2** - **2**].
Swaziland: Tshaneni: Jones, Theo Simpson: ROM: 16 [16 - **16** - **16**].

Total Specimens for 19 August 1972: 18

20 August 1972

Cameroon: Boukma: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1972: 1

23 August 1972

Ethiopia: Pokwo: Largen, M.J.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 23 August 1972: 2

24 August 1972

Cameroon: Waza: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 6 [6 - **6** - **6**].
Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 24 August 1972: 8

25 August 1972

Cameroon: Waza: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 12 [12 - **12** - **12**].
South Africa: Monument Park: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1972: 13

26 August 1972

Cameroon: Waza: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 35 [35 - **35** - **35**].

Total Specimens for 26 August 1972: 35

27 August 1972

Cameroon: Waza: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 116 [116 - **116** - **116**].

Total Specimens for 27 August 1972: 116

28 August 1972

Cameroon: Waza: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 28 August 1972: 12

29 August 1972

Cameroon: Waza: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 34 [34 - **34** - **34**].
Tunisia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - El Haouaria cave: Nagel; Schubert; Vesmanis, Indulis Evalds: SMF: 8 [8 - **8**] - Nabeul governorate: ?: Collector Unknown: SMF: 78 [78 - **78** - **88**].

Total Specimens for 29 August 1972: 122

30 August 1972

Burkina Faso: Nobere, 1 km S: Mumford, Russell E.: ROM: 1 [1 - **1**] - Nobéré, 1 km S: Heisterberg, Jon F.: USNM: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2** - **3**].
Cameroon: Waza: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 63 [63 - **63** - **63**].
Zambia: Kriel cave: Black, Hal L.: MSB: 31 [31 - **31**] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 4 [4 - **4** - **35**].

Total Specimens for 30 August 1972: 101

31 August 1972

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: USNM: 1 [1 - **1** - **1**].
Cameroon: Waza: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 24 [24 - **24** - **24**].

Total Specimens for 31 August 1972: 25

1 September 1972

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: AMNH: 1, USNM: 1 [2]; Mumford, Russell E.: ROM: 1 [1 - **3** - **3**].

Total Specimens for 1 September 1972: 3

2 September 1972

Burkina Faso: Nobéré, 1 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1972: 1

3 September 1972

Cameroon: Yagoua: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 3 September 1972: 5

4 September 1972

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: AMNH: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2** - **2**].
Cameroon: Yagoua: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 39 [39 - **39** - **39**].
Zambia: Chipongwe Cave: Black, Hal L.: MSB: 22 [22 - **22** - **22**].

Total Specimens for 4 September 1972: 63

5 September 1972

Cameroon: Yagoua: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 28 [28 - **28** - **28**].

Total Specimens for 5 September 1972: 28

6 September 1972

Cameroon: Yagoua: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 6 [6 - **6** - **6**].
South Africa: Harrismith: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Zimbabwe: Humani Ranch: Fenton, Melville Brock: ROM: 9 [9 - **9** - **9**].

Total Specimens for 6 September 1972: 16

7 September 1972

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: AMNH: 1 [1 - **1** - **1**].
Cameroon: Yagoua: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 26 [26 - **26** - **26**].
Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 7 September 1972: 30

8 September 1972

Cameroon: Yagoua: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 49 [49 - **49** - **49**].

Total Specimens for 8 September 1972: 49

9 September 1972

Cameroon: Yagoua: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 9 September 1972: 7

12 September 1972

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: USNM: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2** - **2**].

Total Specimens for 12 September 1972: 2

13 September 1972

Burkina Faso: Nobere, 1 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 September 1972: 1

14 September 1972

Burkina Faso: Nobéré, 1 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1972: 1

16 September 1972

Cameroon: Wakwa: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 16 September 1972: 7

17 September 1972

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Wakwa: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 19 [19 - **19** - **19**].

Total Specimens for 17 September 1972: 20

18 September 1972

Cameroon: Wakwa: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 29 [29 - **29** - **29**].
Zambia: Kriel cave: Black, Hal L.: MSB: 5 [5 - **5** - **5**].

Total Specimens for 18 September 1972: 34

19 September 1972

Cameroon: Wakwa: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 19 September 1972: 9

20 September 1972

Cameroon: Wakwa: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 14 [14 - **14** - **14**].

Total Specimens for 20 September 1972: 14

21 September 1972

Cameroon: Wakwa: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 21 September 1972: 7

22 September 1972

Zambia: Chinzombo: Ansell, William Frank Harding: SMF: 3 [3 - **3** - **3**].

Total Specimens for 22 September 1972: 3

23 September 1972

Cameroon: Meïganga: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 23 September 1972: 2

24 September 1972

Cameroon: Meïganga: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 24 September 1972: 6

25 September 1972

Cameroon: Meïganga: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 1 [1 - **1** - **1**].
Zambia: Kriel cave: Black, Hal L.: MSB: 4 [4 - **4**] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 3 [3 - **3** - **7**].

Total Specimens for 25 September 1972: 8

26 September 1972

Cameroon: Meïganga: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 2 [2 - **2** - **2**].

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 5 [5]; Vissault, Jacques: ZMA: 3 [3 - **8** - **8**].

Total Specimens for 26 September 1972: 10

28 September 1972

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 5 [5]; Vissault, Jacques: ZMA: 4 [4 - **9** - **9**].

Total Specimens for 28 September 1972: 9

30 September 1972

Zambia: Kriel cave: Black, Hal L.: MSB: 10 [10 - **10**] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 1 [1 - **1** - **11**].

Total Specimens for 30 September 1972: 11

1 October 1972

South Africa: Navors Suburb, Residence: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1972: 1

5 October 1972

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 2 [2]; Vissault, Jacques: ZMA: 1 [1 - **3** - **3**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 3 [3]; Howell, Kim M.; Msuya, C.A.: USNM: 6 [6 - **9** - **9**].
Zambia: Kriel cave: Black, Hal L.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 5 October 1972: 13

6 October 1972

Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 3 [3 - **3** - **3**].
Zimbabwe: Humani Ranch: Fenton, Melville Brock: ROM: 11 [11 - **11** - **11**].

Total Specimens for 6 October 1972: 14

8 October 1972

Zimbabwe: Humani Ranch: Fenton, Melville Brock: ROM: 4 [4 - **4** - **4**].

Total Specimens for 8 October 1972: 4

14 October 1972

Namibia: Farm Welverdiend 328: Lester, L.A.: LACM: 3 [3 - **3** - **3**].

Total Specimens for 14 October 1972: 3

15 October 1972

Namibia: Farm Welverdiend 328: Lester, L.A.: LACM: 3 [3 - **3** - **3**].
Zambia: Kriel cave: Black, Hal L.: MSB: 11 [11 - **11**] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 1 [1 - **1** - **12**].

Total Specimens for 15 October 1972: 15

18 October 1972

Ghana: Sefwi Asenparage: Jeffrey, Sonia M.: RMCA: 2 [2 - **2** - **2**].
Zambia: Chipongwe Cave: Black, Hal L.: MSB: 8 [8 - **8** - **8**].

Total Specimens for 18 October 1972: 10

19 October 1972

Kenya: Thika, near: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1972: 1

24 October 1972

Kenya: Thika, near: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1972: 1

25 October 1972

Ethiopia: Filwoha Awash: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1972: 1

26 October 1972

Namibia: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1** - **1**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1972: 2

27 October 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2** - **2**].
Kenya: Thika, near: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1972: 3

28 October 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 October 1972: 6

29 October 1972

Swaziland: Mbabane: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1972: 1

30 October 1972

Zambia: Chilanga: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1972: 2

31 October 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 6 [6 - **6** - **6**].
Ghana: Asenparage garden: Jeffrey, Sonia M.: RMCA: 1 [1 - **1** - **1**].
Zambia: Lusaka: Ansell, William Frank Harding: HNHM: 1 [1 - **1**] - Ngwerere cave: Ansell, William Frank Harding: HNHM: 1, HZM: 6, NMZL: 16, SMF: 6 [29 - **29** - **30**].

Total Specimens for 31 October 1972: 37

1 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 1 November 1972: 2

2 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 4 [4 - **4** - **4**].
Tunisia: El Hauaria, 1.5 km NE: Vaughan, Tom; Vaughan, Pamela: TTU: 15 [15 - **15** - **15**].

Total Specimens for 2 November 1972: 19

3 November 1972

Cameroon: Eséka, 7 km N: Robbins, Lynn W.: AMNH: 4 [4 - **4** - **4**].
Congo: Pointe-Noire: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].
Côte d'Ivoire: Adiopodoumé: ?: Collector Unknown: ORSTOM: 2 [2]; Vissault, Jacques: ZMA: 2 [2 - **4** - **4**].

Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 3 November 1972: 17

4 November 1972

Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1972: 1

5 November 1972

Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **1** - **1**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 5 November 1972: 4

6 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2** - **2**].
Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Gambela: Nikolaus, Gerhard: ZFMK: 2 [2 - **2** - **3**].

Total Specimens for 6 November 1972: 5

7 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2** - **2**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 7 November 1972: 6

8 November 1972

Gabon: Ipassa: Bradbury, Jack W.: CUMV: 1 [1 - **1** - **1**].
Tunisia: Bat cave: Vaughan, Tom; Vaughan, Pamela: TTU: 17 [17 - **17** - **17**].

Total Specimens for 8 November 1972: 18

9 November 1972

Congo: Sounda: Bergmans, Wim: ZMA: 6 [6 - **6** - **6**].

Total Specimens for 9 November 1972: 6

10 November 1972

Congo: Sounda: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Ghana: Asenparage garden: Jeffrey, Sonia M.: RMCA: 1 [1 - **1** - **1**].
Namibia: Farm Okandukaseibe 27: Lester, L.A.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1972: 6

11 November 1972

Congo: Sounda: Bergmans, Wim: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 11 November 1972: 2

12 November 1972

Congo: Pointe Noire: Bergmans, Wim: ZMA: 2 [2 - **2**] - Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2**] - Sounda: Bergmans, Wim: ZMA: 1 [1 - **1** - **5**].

Total Specimens for 12 November 1972: 5

13 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2**] - Pointe-Noire, 3 mi [=4.8 km] SE: Bergmans, Wim: ZMA: 1 [1 - **1** - **3**].
Zimbabwe: Wankie-NP, Inyantue: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1972: 4

14 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 2 [2 - **2** - **2**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 14 November 1972: 5

15 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Gabon: Ipassa: Bradbury, Jack W.: CUMV: 1 [1 - **1** - **1**].
Zambia: Chilanga: Ansell, William Frank Harding: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1972: 3

16 November 1972

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Congo: Pointe Noire: Bergmans, Wim: ZMA: 2 [2 - **2**] - Pointe-Noire: Bergmans, Wim: ZMA: 6 [6 - **6** - **8**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 15 [15]; Howell, Kim M.; Msuya, C.A.: USNM: 8 [8 - **23** - **23**].

Total Specimens for 16 November 1972: 33

17 November 1972

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: USNM: 1 [1 - **1** - **1**].
Congo: Cote-Matève, 1 mi [=1.6 km] SE: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 17 November 1972: 4

18 November 1972

Cameroon: Eseka, 9 km N: Gruwell, J.A.: TTU: 1 [1 - **1**] - Eséka, 9 km N: Gruwell, J.A.: TTU: 2 [2]; Robbins, Lynn W.: AMNH: 2 [2 - **4**] - Eséka, 9 km SE: Robbins, Lynn W.: AMNH: 7 [7 - **7** - **12**].
Ethiopia: Bulcha Forest: Ash, John S.: CM: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1972: 13

19 November 1972

Congo: Pointe Noire: Bergmans, Wim: ZMA: 1 [1 - **1**] - Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2** - **3**].
Namibia: Farm Okosongomingo 148: Lester, L.A.: LACM: 1 [1 - **1** - **1**].
Tunisia: Bulla Regia: Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **6**] - Chemtou: Vaughan, Tom; Vaughan, Pamela: TTU: 5 [5 - **5** - **11**].

Total Specimens for 19 November 1972: 15

20 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 20 November 1972: 2

21 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 21 November 1972: 2

22 November 1972

Burundi: Gihanga: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Congo: Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2** - **2**].
Côte d'Ivoire: Ahiérémou: ?: Collector Unknown: ORSTOM: 1 [1]; Vissault, Jacques: ZMA: 1 [1 - **2** - **2**].
Ethiopia: Bulcha Forest: Ash, John S.: CM: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1972: 6

23 November 1972

Côte d'Ivoire: Ahiérémou: ?: Collector Unknown: ORSTOM: 4 [4]; Vissault, Jacques: ZMA: 2 [2 - **6** - **6**].

Namibia: Farm Ghaub 47: Lester, L.A.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1972: 7

25 November 1972

Congo: Pointe Noire: Bergmans, Wim: ZMA: 2 [2 - **2**] - Pointe-Noire: Bergmans, Wim: ZMA: 2 [2 - **2**] - Pointe-Noire, 3 mi [=4.8 km] SE: Bergmans, Wim: ZMA: 1 [1 - **1** - **5**].
Côte d'Ivoire: Ahiérémou: ?: Collector Unknown: ORSTOM: 3 [3]; Vissault, Jacques: ZMA: 3 [3 - **6** - **6**].
Namibia: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1972: 12

26 November 1972

Congo: Pointe Noire: Bergmans, Wim: ZMA: 1 [1 - **1**] - Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **2**].
South Africa: Bloemfontein: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1972: 3

27 November 1972

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: USNM: 6 [6 - **6** - **6**].
Congo: Pointe Noire: Bergmans, Wim: ZMA: 1 [1 - **1**] - Pointe-Noire: Bergmans, Wim: ZMA: 3 [3 - **3** - **4**].
Namibia: Farm Ghaub 47: Lester, L.A.: LACM: 10 [10 - **10** - **10**].
Sudan: Telaweit: Hoogstraal, Harry H.: FMNH: 2 [2]; Kaiser, M.N.: FMNH: 1 [1 - **3** - **3**].

Total Specimens for 27 November 1972: 23

28 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 6 [6 - **6** - **6**].

Total Specimens for 28 November 1972: 6

29 November 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1972: 1

30 November 1972

Congo: Pointe Noire: Bergmans, Wim: ZMA: 1 [1 - **1**] - Pointe-Noire: Bergmans, Wim: ZMA: 6 [6 - **6** - **7**].

Total Specimens for 30 November 1972: 7

1 December 1972

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: USNM: 3 [3 - **3** - **3**].
Congo: Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Zambia: Chilanga: Ansell, William Frank Harding: HNHM: 1 [1 - **1**] - Samfya: Ansell, William Frank Harding: ROM: 1 [1 - **1** - **2**].

Total Specimens for 1 December 1972: 6

2 December 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 2 December 1972: 3

4 December 1972

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: USNM: 1 [1 - **1** - **1**].
Congo: Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Ethiopia: Gambela: Ash, John S.: USNM: 3 [3 - **3** - **3**].
Swaziland: Balagane: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1972: 6

5 December 1972

Sudan: Telaweit: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Zambia: Kriel cave: Black, Hal L.: MSB: 8 [8 - **8** - **8**].

Total Specimens for 5 December 1972: 9

6 December 1972

"Africa": Settlement: : BMNH: 1 [1 - **1** - **1**].
Congo: Dinguembo: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].
Madagascar: North West Madagascar: Williams, A.E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 6 December 1972: 6

7 December 1972

Cameroon: Muyuka [= Muea]: Miller, Charles D.: YPM: 1 [1 - **1** - **1**].
Congo: Milamila: Bergmans, Wim: ZMA: 5 [5 - **5** - **5**].
Ethiopia: Gambela: Ash, John S.: USNM: 3 [3 - **3** - **3**].
Kenya: Kampi ya Moto: Williams, John George: ROM: 7 [7 - **7** - **7**].

Total Specimens for 7 December 1972: 16

8 December 1972

"Africa": Unknown locality: Clarke, J.: SAMC: 1 [1 - **1** - **1**].
Cameroon: Big farm, Mungo River, east bank: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1972: 2

11 December 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1972: 1

12 December 1972

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Sudan: Telaweit: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].
Zambia: Kriel cave: Black, Hal L.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1972: 4

13 December 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 6 [6 - **6** - **6**].
Ethiopia: Gambela: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 13 December 1972: 8

14 December 1972

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: USNM: 1 [1 - **1** - **1**].
Congo: Pointe-Noire: Bergmans, Wim: ZMA: 4 [4 - **4** - **4**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 5 [5 - **5** - **5**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1972: 11

15 December 1972

Ethiopia: Gambela: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].
Zambia: Kriel cave: Black, Hal L.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1972: 2

18 December 1972

Zimbabwe: Zimbabwe National Park: Wright, Peter J.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 18 December 1972: 3

19 December 1972

Burundi: Mweya: Niort, P.L.: MHNG: 7 [7 - **7** - **7**].

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1972: 8

20 December 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Ethiopia: Gambela: Nikolaus, Gerhard: ZFMK: 1 [1 - **1** - **1**].
Guinea: Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1972: 3

21 December 1972

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 21 December 1972: 3

23 December 1972

Congo: Brazzaville: Bergmans, Wim: ZMA: 3 [3 - **3**] - Centre ORSTOM: Bergmans, Wim: ZMA: 2 [2 - **2** - **5**].
Swaziland: Balagane: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1972: 6

24 December 1972

Congo: Centre ORSTOM: Bergmans, Wim: ZMA: 1 [1 - **1**] - Divenié: Dessier, A.: ZMA: 10 [10 - **10** - **11**].

Total Specimens for 24 December 1972: 11

25 December 1972

Congo: Brazzaville: Bergmans, Wim: ZMA: 1 [1 - **1**] - Centre ORSTOM: Bergmans, Wim: ZMA: 1 [1 - **1**] - Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **3**].

Total Specimens for 25 December 1972: 3

26 December 1972

Congo: Brazzaville: Bergmans, Wim: ZMA: 12 [12 - **12**] - Centre ORSTOM: Bergmans, Wim: ZMA: 1 [1 - **1**] - Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **14**].

Total Specimens for 26 December 1972: 14

27 December 1972

Congo: Brazzaville: Bergmans, Wim: ZMA: 3 [3 - **3**] - Centre ORSTOM: Bergmans, Wim: ZMA: 2 [2 - **2** - **5**].

Total Specimens for 27 December 1972: 5

29 December 1972

Burkina Faso: Boromo: Heisterberg, Jon F.: USNM: 5 [5 - **5** - **5**].
Zambia: Kriel cave: Black, Hal L.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1972: 6

1 January 1973

Congo (Democratic Republic of the): Boende: Lootens, P.: RMCA: 2 [2 - **2** - **2**].
Côte d'Ivoire: Unknown locality: Vissault, Jacques: ZMA: 8 [8 - **8** - **8**].
Ghana: Unknown locality: Boakye, A.K.: ROM: 2 [2 - **2** - **2**].
Kenya: Unknown locality: Eger, Judith L.; Glen, Robert M.: ROM: 4 [4 - **4**] - Endebess: ?: Collector Unknown: ROM: 1 [1]; Glen, Robert M.: ROM: 15 [15 - **16**] - Kakamega Forest: Glen, Robert M.: ROM: 21 [21 - **21**] - Kapenguria: Glen, Robert M.: ROM: 2 [2 - **2** - **43**].
Nigeria: Maiduguri: : SMF: 2 [2 - **2** - **2**].
South Africa: Cathcart: Visser, John: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1973: 59

4 January 1973

Swaziland: Balagane: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1973: 1

12 January 1973

Congo (Democratic Republic of the): Kiloboze: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1973: 1

14 January 1973

Cameroon: Kumba: Miller, Charles D.: YPM: 1 [1 - **1** - **1**].
South Africa: Farm Welgevonden 449: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1973: 2

16 January 1973

Congo (Democratic Republic of the): Byonga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
South Africa: Cathcart: Visser, John: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1973: 2

17 January 1973

Côte d'Ivoire: Matonguiné: Vissault, Jacques: ZMA: 9 [9 - **9** - **9**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 17 January 1973: 13

18 January 1973

Côte d'Ivoire: Matonguiné: Vissault, Jacques: ZMA: 7 [7 - **7** - **7**].
Tanzania: Kisarawe: Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **1**] - Kisarawe, near: Howell, Kim M.: USNM: 6 [6]; Howell, Kim M.; Msuya, C.A.: USNM: 10 [10 - **16** - **17**].
Zimbabwe: Le Rhone Lodge, Lake Kyle: Wright, Peter J.: ROM: 4 [4 - **4**] - Zimbabwe National Park: Wright, Peter J.: ROM: 10 [10 - **10** - **14**].

Total Specimens for 18 January 1973: 38

19 January 1973

Côte d'Ivoire: Matonguiné: Vissault, Jacques: ZMA: 8 [8 - **8** - **8**].
Zambia: Kabulonga: Tucker, J.J.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1973: 9

20 January 1973

Côte d'Ivoire: Matonguiné: ?: Collector Unknown: ORSTOM: 1 [1]; Vissault, Jacques: ZMA: 9 [9 - **10** - **10**].
Ethiopia: Didessa river bridge: ?: Collector Unknown: CM: 1 [1 - **1**] - Didessa settlement: Ash, John S.: CM: 1, USNM: 4 [5 - **5** - **6**].

Total Specimens for 20 January 1973: 16

21 January 1973

Côte d'Ivoire: Matonguiné: ?: Collector Unknown: ORSTOM: 2 [2]; Vissault, Jacques: ZMA: 50 [50 - **52** - **52**].
Tanzania: Arusha: Clarke, C.H.D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1973: 53

22 January 1973

Ethiopia: Didessa settlement: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Ghana: Sefwi Mafra: Jeffrey, Sonia M.: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 22 January 1973: 5

24 January 1973

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1973: 1

25 January 1973

Ethiopia: Didessa settlement: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Morocco: Akka: Petiniot; Verheyen, Walter N.: RMCA: 42 [42 - **42** - **42**].

Total Specimens for 25 January 1973: 43

27 January 1973

Kenya: Thika, 16 km N: Kyongo, Robert N.: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **3** - **3**].
Tanzania: Arusha: Clarke, C.H.D.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 27 January 1973: 6

28 January 1973

Kenya: Thika, 16 km N: Williams, John George: ROM: 8 [8 - **8** - **8**].
South Africa: Ventersburg: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1973: 9

29 January 1973

Ethiopia: Didessa settlement: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Thika, 16 km N: Williams, John George: ROM: 5 [5 - **5** - **5**].
Tanzania: Arusha: Clarke, C.H.D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1973: 7

30 January 1973

Burkina Faso: Arly National Park: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Kenya: Thika, 16 km N: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 January 1973: 2

31 January 1973

Côte d'Ivoire: Bolo: ?: Collector Unknown: ORSTOM: 3 [3]; Vissault, Jacques: ZMA: 3 [3 - **6** - **6**].
Kenya: Thika, 16 km N: Williams, John George: ROM: 4 [4 - **4** - **4**].

Total Specimens for 31 January 1973: 10

1 February 1973

Côte d'Ivoire: Bolo: ?: Collector Unknown: ORSTOM: 1 [1]; Vissault, Jacques: ZMA: 2 [2 - **3** - **3**].
Kenya: Thika, 16 km N: Kyongo, Robert N.: ROM: 1 [1]; Williams, John George: ROM: 11 [11 - **12** - **12**].

Total Specimens for 1 February 1973: 15

2 February 1973

Côte d'Ivoire: Bolo: ?: Collector Unknown: ORSTOM: 1 [1]; Vissault, Jacques: ZMA: 2 [2 - **3** - **3**].
Kenya: Thika, 16 km N: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1973: 4

3 February 1973

Burkina Faso: Arly National Park: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Great Soppo: Ngam, V.N.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 3 February 1973: 6

4 February 1973

Kenya: Isiolo: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1973: 1

6 February 1973

Kenya: Takabba, 25 mi [= 40 km] WSW: Archer,: ROM: 7 [7 - **7**] - Takabba, 64.7 km WSW: Archer,: ROM: 1 [1 - **1** - **8**].
South Africa: Maria van Riebeeck Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - Town Bush Valley, Town Bush Cave: Wingate, Lloyd R.: AMNH: 7 [7 - **7** - **11**].

Total Specimens for 6 February 1973: 19

9 February 1973

South Africa: Mmabolela Estates [=Mmqbolela Estates]: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1973: 1

10 February 1973

Kenya: Mara River: Williams, John George: ROM: 1 [1 - **1**] - South West Kenya, Mara River: Williams, John George: ROM: 1 [1 - **1**] - Takabba: Archer,: ROM: 1 [1 - **1** - **3**].
Namibia: Gorrasis: Baker, Rollin Harold: MSU: 4 [4 - **4** - **4**].
South Africa: Bloemfontein: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 10 February 1973: 10

11 February 1973

Congo (Democratic Republic of the): Kamusimbi: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Namibia: Gorrasis: Baker, Rollin Harold: MSU: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1973: 2

12 February 1973

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Namibia: Gorrasis: Baker, Rollin Harold: MSU: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1973: 2

13 February 1973

Cameroon: Meanja: Ngam, V.N.: FMNH: 1 [1 - **1**] - Mpundu: Ngam, V.N.: FMNH: 1 [1 - **1** - **2**].
South Africa: Farm Olifantspoort 328: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Olifantspoort 328 [=Retiefkloof]: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **4**].

Total Specimens for 13 February 1973: 6

15 February 1973

South Africa: Farm Olifantspoort 328 [=Retiefkloof]: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 15 February 1973: 6

16 February 1973

Algeria: Béni Abbès, 15 km N: Petiniot; Verheyen, Walter N.: RMCA: 1 [1 - **1** - **1**].
Tanzania: Arusha: Clarke, C.H.D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1973: 2

19 February 1973

South Africa: Farm Olifantspoort 328 [=Retiefkloof]: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Zambia: Kriel cave: Black, Hal L.: MSB: 3 [3 - **3** - **3**].

Total Specimens for 19 February 1973: 4

22 February 1973

Tanzania: Kisarawe: Howell, Kim M.; Msuya, C.A.: USNM: 2 [2 - **2**] - Kisarawe, near: Howell, Kim M.: USNM: 2 [2]; Howell, Kim M.; Msuya, C.A.: USNM: 15 [15 - **17** - **19**].

Total Specimens for 22 February 1973: 19

24 February 1973

Côte d'Ivoire: Abidjan Plateau: Vissault, Jacques: ZMA: 58 [58 - **58** - **58**].
Ethiopia: Koka: Traub, Robert; Ash, J.S.: CM: 1 [1 - **1** - **1**].
South Africa: Town Bush Valley, Town Bush Cave: Wingate, Lloyd R.: AMNH: 1, TM: 4 [5 - **5**] - Village Kosmos: ?: Collector Unknown: TM: 1 [1 - **1** - **6**].

Total Specimens for 24 February 1973: 65

25 February 1973

Ethiopia: Koka: Traub, Robert; Ash, J.S.: CM: 1 [1 - **1** - **1**].
Tunisia: on GP 3 in underground aquduct: Vaughan, Tom; Vaughan, Pamela: TTU: 27 [27 - **27** - **27**].

Total Specimens for 25 February 1973: 28

28 February 1973

Cameroon: Yaounde: Prévost, J.: MNHN: 24 [24 - **24** - **24**].
Kenya: Machakos: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1973: 25

1 March 1973

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1973: 1

3 March 1973

Ethiopia: Lake Langano: Ashford, R.: SMF: 1 [1 - **1** - **1**].
Kenya: Marigat, Perakera River: Williams, John George: ROM: 1 [1 - **1**] - Nanyuki, 27 mi [= 43 km] NW: Hutton-Seed, R.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 3 March 1973: 3

4 March 1973

Cameroon: Mpundu: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 4 March 1973: 2

5 March 1973

Cameroon: Yaounde: Prévost, J.: MNHN: 9 [9 - **9**] - Yaoundé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **10**].
Zimbabwe: Salisburg: : AMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 March 1973: 12

6 March 1973

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Boni Forest: Stager, Kenneth E.: LACM: 4 [4 - **4** - **4**].
South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Kimberley: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 6 March 1973: 7

7 March 1973

Cameroon: Mpundu: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Kenya: Boni Forest: Stager, Kenneth E.: LACM: 3 [3 - **3** - **3**].

Total Specimens for 7 March 1973: 4

8 March 1973

Kenya: Boni Forest: Stager, Kenneth E.: LACM: 2 [2 - **2** - **2**].
South Africa: Mmabolela Estates [=Mmqbolela Estates]: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1973: 3

9 March 1973

South Africa: Farm Mooigenoeg 83: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Mmabolela Estates: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
South Sudan: Tonj, 103.5 km SE: Archer, T.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1973: 3

10 March 1973

Zambia: Kabulonga: Black, Hal L.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1973: 1

11 March 1973

Kenya: Bodhai: Stager, Kenneth E.: LACM: 1 [1 - **1**] - Witu Forest: Stager, Kenneth E.: LACM: 6 [6 - **6** - **7**].
South Sudan: Amol Tonyi area: Archer, T.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1973: 8

12 March 1973

South Sudan: 0640N 2841E: Archer, T.: ROM: 15 [15 - **15**] - Tonj, 64 km SE: Archer, T.: ROM: 1 [1 - **1** - **16**].

Total Specimens for 12 March 1973: 16

13 March 1973

Zimbabwe: Zimbabwe National Park: Wright, Peter J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1973: 1

14 March 1973

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Mbakaou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 6 [6 - **6** - **6**].
Zambia: Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 4 [4 - **4**] - Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 10 [10 - **10** - **14**].

Total Specimens for 14 March 1973: 21

15 March 1973

Kenya: Maungu Hill: Hutton-Seed, R.: ROM: 5 [5]; Seed, Rhutton: ROM: 2 [2 - **7** - **7**].

Total Specimens for 15 March 1973: 7

16 March 1973

Cameroon: Mbakaou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 11 [11 - **11** - **11**].
Niger: I-N-Gall: Petiniot; Verheyen, Walter N.: RMCA: 78 [78 - **78** - **78**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 1 [1]; Howell, Kim M.; Msuya, C.A.: USNM: 21 [21 - **22** - **22**].

Total Specimens for 16 March 1973: 111

17 March 1973

Cameroon: Mbakaou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3** - **3**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 3 [3 - **3** - **3**].
Ghana: Aburi: Topál, György: HNHM: 9 [9 - **9**] - Aburi Botanic Garden: Topál, György: HNHM: 1 [1 - **1**] - Achwerase: Topál, György: HNHM: 2 [2 - **2** - **12**].
Niger: I-N-Gall: Petiniot; Verheyen, Walter N.: RMCA: 1 [1 - **1** - **1**].
South Africa: Rissik Private Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1973: 20

18 March 1973

Cameroon: Alen: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 2 [2 - **2**] - Mbakaou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 7 [7 - **7** - **9**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Niger: I-N-Gall: Petiniot; Verheyen, Walter N.: RMCA: 1 [1 - **1** - **1**].
Zimbabwe: Malapati Game Reserve: Wright, Peter J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 18 March 1973: 13

19 March 1973

Cameroon: Alen: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3** - **3**].
South Africa: Pretoriuskop: Massyn, William: KNP: 1 [1 - **1** - **1**].

Total Specimens for 19 March 1973: 4

20 March 1973

Cameroon: Alen: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 2 [2 - **2** - **2**].
South Africa: Rochdale, Farm: Uys, J.C.: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1973: 3

21 March 1973

Cameroon: Alen: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 21 March 1973: 3

23 March 1973

Cameroon: Meyo Nkoulou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3** - **3**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 2 [2 - **2** - **2**].
Zambia: Chipongwe Cave: Black, Hal L.: MSB: 18 [18 - **18** - **18**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 23 March 1973: 26

24 March 1973

Cameroon: Ébam, 15 km SE: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - Meyo Nkoulou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 21 [21 - **21** - **23**].
Guinea: Guinee-Maritime: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1973: 24

25 March 1973

Cameroon: Meyo Nkoulou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 25 March 1973: 9

26 March 1973

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Zambia: Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 18 [18 - **18**] - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 4 [4 - **4** - **22**].

Total Specimens for 26 March 1973: 23

27 March 1973

Cameroon: Ébam, 15 km SE: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - Meyo Nkoulou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 11 [11 - **11** - **12**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 27 March 1973: 16

28 March 1973

Mozambique: Zinave: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1973: 1

29 March 1973

Kenya: Maungu Hill: Hutton-Seed, R.: ROM: 2 [2 - **2** - **2**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 29 March 1973: 4

30 March 1973

Cameroon: Ebogo: Thys Van den Audenaerde, Dirk: RMCA: 1 [1]; Thys Van den Audenaerde, Dirk; Robbins: RMCA: 1 [1 - **2** - **2**].
Ghana: Fort St. George: Topál, György: HNHM: 15 [15 - **15** - **15**].
Kenya: Machakos: Williams, John George: ROM: 4 [4 - **4** - **4**].
South Africa: New Agatha Forest Reserve: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **1**].
Zambia: Lusake, 6 mi NE: Black, Hal L.: HZM: 4 [4 - **4** - **4**].

Total Specimens for 30 March 1973: 26

31 March 1973

Ghana: Fort St. George: Topál, György: HNHM: 2 [2 - **2** - **2**].
Kenya: Machakos: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1973: 3

1 April 1973

Cameroon: Ebogo: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3** - **3**].
Ghana: Cape Coast Castle: Topál, György: HNHM: 1 [1 - **1**] - Fort St. George: Topál, György: HNHM: 12 [12 - **12** - **13**].
Swaziland: Tshaneni: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Zambia: Lusake, 6 mi NE: Black, Hal L.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1973: 18

2 April 1973

Cameroon: Ebogo: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3** - **3**].
Kenya: Maungu Hill: Hutton-Seed, R.: ROM: 2 [2 - **2** - **2**].
Zambia: Lusake, 6 mi NE: Black, Hal L.: HZM: 1 [1 - **1** - **1**].
Zimbabwe: Netridge Farm: Wright, Peter J.: ROM: 3 [3 - **3**] - Zimbabwe National Park: Wright, Peter J.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 2 April 1973: 10

3 April 1973

Kenya: Maungu Hill: Hutton-Seed, R.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1973: 1

4 April 1973

Cameroon: Oveng: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 16 [16 - **16** - **16**].
South Africa: Loskopdam Nature Reserve: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2**] - Ventersburg: ?: Collector Unknown: NMB: 4 [4 - **4** - **6**].

Total Specimens for 4 April 1973: 22

5 April 1973

Cameroon: Aboulou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 10 [10 - **10** - **10**].
Kenya: Kanawa: Seed, Rhutton: ROM: 1 [1 - **1** - **1**].
South Africa: Loskop Dam Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1**] - Loskopdam Nature Reserve: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **4**].

Total Specimens for 5 April 1973: 15

6 April 1973

Cameroon: Aboulou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 8 [8 - **8** - **8**].
Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Machakos: Williams, John George: ROM: 1 [1 - **1** - **1**].
South Africa: Bordeaux, Farm: Uys, P.J.: TM: 1 [1 - **1**] - Loskop Dam Nature Reserve: ?: Collector Unknown: TM: 2 [2 - **2**] - Loskopdam Nature Reserve: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **4**].

Total Specimens for 6 April 1973: 14

7 April 1973

Cameroon: Aboulou: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 2 [2 - **2** - **2**].
Kenya: Maungu Hill: Hutton-Seed, R.: ROM: 3 [3 - **3** - **3**].
South Africa: Loskopdam Nature Reserve: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Underwood: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1973: 6

8 April 1973

Cameroon: Great Soppo: Ngam, V.N.: FMNH: 3, ROM: 1 [4 - **4** - **4**].
South Africa: Bordeaux, Farm: Uys, P.J.: TM: 4 [4 - **4** - **4**].

Total Specimens for 8 April 1973: 8

9 April 1973

Kenya: Kampi Ya Samaki: Hutton-Seed, R.; Williams, A.E.: ROM: 1 [1]; Williams, A.E.: ROM: 3 [3]; Williams, John George: ROM: 17 [17 - **21** - **21**].
South Africa: Loskopdam Nature Reserve: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 April 1973: 22

10 April 1973

Kenya: Kampi ya Samaki: ?: Collector Unknown: ROM: 3 [3]; Williams, John George: ROM: 3 [3 - **6**] - Karpeddo: Williams, John George: ROM: 13 [13 - **13** - **19**].

Total Specimens for 10 April 1973: 19

11 April 1973

Cameroon: Great Soppo: Ngam, V.N.: ROM: 1 [1 - **1**] - Yaoundé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Kenya: Kampi ya Samaki: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 11 [11 - **12** - **12**].

Total Specimens for 11 April 1973: 14

12 April 1973

Kenya: Kampi ya Samaki: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 9 [9 - **10**] - Wangala Station: Hutton-Seed, R.: ROM: 2 [2 - **2** - **12**].

Total Specimens for 12 April 1973: 12

13 April 1973

Cameroon: Tibati: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 11 [11 - **11** - **11**].
Kenya: Kampi Ya Samaki: Williams, John George: ROM: 2 [2 - **2** - **2**].
South Africa: Mosdene Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Zimbabwe: Netridge Farm: Wright, Peter J.: ROM: 11 [11 - **11** - **11**].

Total Specimens for 13 April 1973: 25

14 April 1973

Cameroon: Great Soppo: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].
Kenya: Njoro: Williams, John George: ROM: 5 [5 - **5** - **5**].

Total Specimens for 14 April 1973: 7

15 April 1973

Kenya: Kanawa: Seed, Rhutton: ROM: 1 [1 - **1** - **1**].
Tunisia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1973: 2

16 April 1973

Cameroon: Kribi: Prévost, J.: MNHN: 1 [1 - **1**] - Mbokaon: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **2**].
Côte d'Ivoire: Adiopodoumé: Vissault, Jacques: ZMA: 13 [13 - **13** - **13**].
Kenya: Kampi Ya Samaki: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 16 April 1973: 17

17 April 1973

Cameroon: Great Soppo: Ngam, V.N.: ROM: 1 [1 - **1**] - Kribi: Prévost, J.: MNHN: 2 [2 - **2**] - Mbokaon: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **4**].
Ethiopia: Dolo: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Kampi ya Samaki: Williams, John George: ROM: 1 [1 - **1**] - Nairobi: Williams, John George: ROM: 1 [1 - **1** - **2**].

Total Specimens for 17 April 1973: 7

18 April 1973

Kenya: Kampi Ya Samaki: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1973: 1

19 April 1973

Kenya: Nairobi: Williams, John George: ROM: 5 [5 - **5** - **5**].
Tanzania: Arusha: Clarke, C.H.D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1973: 6

20 April 1973

Chad: Dagbao: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kenya: Nairobi: ?: Collector Unknown: ROM: 2 [2]; Williams, John George: ROM: 4 [4 - **6** - **6**].

Total Specimens for 20 April 1973: 7

21 April 1973

Kenya: Kampi ya Samaki: Williams, A.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1973: 1

22 April 1973

Kenya: Kampi Ya Samaki: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1973: 1

23 April 1973

Cameroon: Buéa Station, 2 km W: Ngam, V.N.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 23 April 1973: 6

24 April 1973

Cameroon: Buéa Station, 2 km W: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].
Kenya: Kampi Ya Samaki: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1973: 3

25 April 1973

Kenya: Athi river: Williams, John George: ROM: 5 [5 - **5**] - Kampi Ya Samaki: Williams, John George: ROM: 2 [2 - **2**] - Nairobi: ?: Collector Unknown: ROM: 1 [1 - **1** - **8**].

Tunisia: Sidi Hassen Ayet memorial building: Vaughan, Tom; Vaughan, Pamela: TTU: 7 [7 - **7** - **7**].

Total Specimens for 25 April 1973: 15

26 April 1973

Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Kampi Ya Samaki: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 26 April 1973: 3

27 April 1973

Tunisia: on GP 3 in underground aquduct: Vaughan, Tom; Vaughan, Pamela: TTU: 8 [8 - **8** - **8**].

Total Specimens for 27 April 1973: 8

28 April 1973

Kenya: Nairobi: Williams, John George: ROM: 3 [3 - **3** - **3**].

Total Specimens for 28 April 1973: 3

30 April 1973

Cameroon: small Soppo: Ngam, V.N.: ROM: 7 [7 - **7** - **7**].
Kenya: Kilimani Estate: Williams, A.E.; Williams, John George: ROM: 6 [6 - **6** - **6**].
Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 9 [9 - **9** - **9**].

Total Specimens for 30 April 1973: 22

1 May 1973

Kenya: Kampi Ya Samaki: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1973: 2

2 May 1973

Kenya: Kampi ya Samaki: Williams, A.E.: ROM: 1 [1]; Williams, A.E.; Williams, John George: ROM: 2 [2]; Williams, John George: ROM: 15 [15 - **18**] - Lake Baringo: Williams, John George: ROM: 1 [1 - **1** - **19**].

Total Specimens for 2 May 1973: 19

3 May 1973

Cameroon: Unknown locality: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 1 [1 - **1** - **1**].
Kenya: Kampi ya Samaki: Williams, John George: ROM: 1 [1 - **1**] - Marigat: Williams, John George: ROM: 1 [1 - **1**] - Marigat, Perakera River: Williams, John George: ROM: 8 [8 - **8**] - near Marigat, Perakera River: Williams, John George: ROM: 1 [1 - **1**] - Ortum: Hutton-Seed, R.; Williams, A.E.: ROM: 1 [1 - **1** - **12**].
South Africa: D'Nyala Provincial Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1973: 14

4 May 1973

South Africa: D'Nyala Provincial Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **5**].
Tunisia: Bat cave: Vaughan, Tom; Vaughan, Pamela: TTU: 2 [2 - **2** - **2**].
Zambia: Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 18 [18 - **18**] - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 36 [36 - **36** - **54**].

Total Specimens for 4 May 1973: 61

5 May 1973

Cameroon: Nkolbisson: Prévost, J.: MNHN: 2 [2 - **2**] - small Soppo: Ngam, V.N.: ROM: 9 [9 - **9** - **11**].
Ghana: Bunso: Neugebauer, P.: NMW: 1 [1 - **1** - **1**].
Kenya: Gedeh: Kyongo, Robert N.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1973: 13

6 May 1973

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 7 [7 - **7** - **7**].

Zambia: Kilwa Island: Ansell, William Frank Harding: HNHM: 1 [1 - **1**] - Sumbu: Ansell, William Frank Harding: HNHM: 1 [1 - **1** - **2**].

Total Specimens for 6 May 1973: 9

8 May 1973

South Africa: D'Nyala Provincial Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1973: 1

9 May 1973

Cameroon: Bokwango: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 9 May 1973: 2

10 May 1973

Ghana: Tamale: Neugebauer, P.: NMW: 20, ZMA: 10 [30 - **30** - **30**].
Kenya: Kakamega Forest: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - Maungu: Hutton-Seed, R.; Williams, A.E.: ROM: 5 [5 - **5**] - Maungu Hill: Hutton-Seed, R.; Williams, A.E.: ROM: 7 [7 - **7** - **13**].
Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 16 [16 - **16** - **16**].

Total Specimens for 10 May 1973: 59

11 May 1973

Ethiopia: Abiata, lake: Ash, John S.: USNM: 2 [2 - **2** - **2**].
Kenya: Maungu: ?: Collector Unknown: ROM: 1 [1]; Hutton-Seed, R.; Williams, A.E.: ROM: 7 [7 - **8**] - Maungu Hill: Hutton-Seed, R.; Williams, A.E.: ROM: 8 [8 - **8** - **16**].
South Africa: Farm Buffelspoort 149 JQ: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Farm Randstephane 455 KQ [=Farm Donkerpoort 448]: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **2**].

Total Specimens for 11 May 1973: 20

12 May 1973

Cameroon: Boteke Village: Ngam, V.N.: ROM: 9 [9 - **9** - **9**].
Ethiopia: Abiata, lake: Ash, John S.: USNM: 2 [2 - **2** - **2**].
Kenya: Maungu: Seed, R.H.; Williams, A.: ROM: 2 [2]; Williams, John George: ROM: 2 [2 - **4**] - Maungu Hill: Hutton-Seed, R.; Williams, A.E.: ROM: 2 [2 - **2**] - Mida: Kithia, J. M.: LACM: 1 [1]; Kyongo, Robert N.: LACM: 1 [1 - **2** - **8**].

Total Specimens for 12 May 1973: 19

13 May 1973

Cameroon: Boteke Village: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Ethiopia: Abiata, lake: Ash, John S.: USNM: 2 [2 - **2** - **2**].
Kenya: Maungu: Williams, A.E.; Williams, John George: ROM: 4 [4 - **4**] - Wangala: Hutton-Seed, R.: ROM: 2 [2]; Williams, John George: ROM: 33 [33 - **35** - **39**].

Total Specimens for 13 May 1973: 42

14 May 1973

Ethiopia: Abiata, lake: Ash, John S.: USNM: 1 [1 - **1** - **1**].
South Africa: Greefswald [= Mapungubwe]: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Zambia: Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 3 [3 - **3** - **3**].

Total Specimens for 14 May 1973: 5

15 May 1973

Ethiopia: Abiata, lake: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 15 May 1973: 2

16 May 1973

Cameroon: Boteke Village: Ngam, V.N.: ROM: 3 [3 - **3** - **3**].
Niger: Agadem: Thys Van den Audenaerde, Dirk; Petiniot: RMCA: 21 [21 - **21** - **21**].

Total Specimens for 16 May 1973: 24

17 May 1973

Kenya: Arabuko-Sokoke Forest: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **1**].
Zimbabwe: Zimbabwe National Park: Wright, Peter J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1973: 2

18 May 1973

Burundi: Gihanga: Niort, P.L.: MHNG: 3 [3 - **3** - **3**].
Cameroon: Boteke Village: Ngam, V.N.: ROM: 3 [3 - **3**] - Buéa: ?: Collector Unknown: ROM: 1 [1 - **1** - **4**].
Côte d'Ivoire: Guéboua: Vissault, Jacques: ZMA: 1 [1 - **1** - **1**].
Ethiopia: Abiata, lake: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1973: 9

19 May 1973

Cameroon: Boteke Village: Ngam, V.N.: ROM: 1 [1 - **1**] - Koutaba: Prévost, J.: MNHN: 2 [2 - **2** - **3**].
Liberia: Degie: Johnson: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1973: 4

20 May 1973

Cameroon: Koutaba: Prévost, J.: MNHN: 2 [2 - **2** - **2**].
Kenya: Kiambu, 4 mi [=6 km] NW: Hutton-Seed, R.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 May 1973: 3

21 May 1973

Cameroon: Bunduma Village: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1973: 1

22 May 1973

Cameroon: Kounden: Prévost, J.: MNHN: 1 [1 - **1** - **1**].
Ethiopia: Abiata, lake: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 22 May 1973: 3

23 May 1973

Ethiopia: Abiata, lake: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 23 May 1973: 2

24 May 1973

Ethiopia: Abiata, lake: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1973: 1

26 May 1973

Zambia: Ngwerere cave: Black, Hal L.: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1973: 1

27 May 1973

Cameroon: Banga Bakundu: Miller, Charles D.: YPM: 1 [1 - **1**] - Meanja: Ngam, V.N.: ROM: 5 [5 - **5** - **6**].

Total Specimens for 27 May 1973: 6

30 May 1973

Kenya: Kiambu, 4 mi [=6 km] NW: Hutton-Seed, R.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 30 May 1973: 2

31 May 1973

Kenya: Kiambu, 4 mi [=6 km] NW: Hutton-Seed, R.: ROM: 1 [1 - **1**] - Kiambu, 4 mi NW: ?: Collector Unknown: ROM: 1 [1 - **1** - **2**].
Tunisia: Toujane, 3 km NW: Vaughan, Tom; Vaughan, Pamela: TTU: 11 [11 - **11** - **11**].

Total Specimens for 31 May 1973: 13

3 June 1973

Kenya: Thika, 6 km N: Hutton-Seed, R.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1973: 1

4 June 1973

Kenya: Kiambu, 4 mi [=6 km] NW: Hutton-Seed, R.: ROM: 1 [1 - **1** - **1**].
Tunisia: Tatahouine: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1973: 2

5 June 1973

Tunisia: Foum Tatahouine, 2 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **6**] - Tatahouine: Jordan, Robert G.; Smail, A.B.: TTU: 2 [2]; Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **3** - **9**].

Total Specimens for 5 June 1973: 9

7 June 1973

South Africa: Transvaal Museum workshop: Transvaal Museum, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1973: 1

8 June 1973

Zambia: Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 28 [28 - **28** - **28**].

Total Specimens for 8 June 1973: 28

9 June 1973

Cameroon: Mawutu Village: Ngam, V.N.: ROM: 38 [38 - **38** - **38**].
Gabon: Franceville, mission: Castroviejo, Javier: EBD: 5 [5 - **5** - **5**].

Total Specimens for 9 June 1973: 43

12 June 1973

Zimbabwe: Zimbabwe National Park: Wright, Peter J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 June 1973: 1

14 June 1973

Zambia: Mwombezi village: Ansell, William Frank Harding: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1973: 1

15 June 1973

Zimbabwe: Zimbabwe National Park: Wright, Peter J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1973: 1

16 June 1973

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 9 [9 - **9** - **9**].
Ethiopia: Bahadu: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1973: 11

18 June 1973

Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Gabon: Franceville: Castroviejo, Javier: EBD: 7 [7 - **7** - **7**].

Total Specimens for 18 June 1973: 8

20 June 1973

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 20 June 1973: 5

21 June 1973

Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 20 [20 - **20** - **20**].

Total Specimens for 21 June 1973: 20

23 June 1973

Kenya: Kinna: Sutton, J.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 23 June 1973: 4

24 June 1973

Ethiopia: Bahadu: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Kinna: Sutton, J.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 24 June 1973: 5

25 June 1973

Gabon: Libreville, 20 km from: Castroviejo, Javier: EBD: 1 [1 - **1** - **1**].
Kenya: Kinna: Sutton, J.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 25 June 1973: 5

26 June 1973

Gabon: Libreville, 20 km from: Castroviejo, Javier: EBD: 3 [3 - **3** - **3**].
Kenya: Kinna: Sutton, J.: ROM: 2 [2 - **2** - **2**].
Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 26 June 1973: 11

27 June 1973

Kenya: Benane: Sutton, J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 27 June 1973: 2

28 June 1973

Kenya: Benane: Sutton, J.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 28 June 1973: 3

29 June 1973

Kenya: Benane: Sutton, J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 29 June 1973: 1

30 June 1973

Tanzania: Lake Duluti: Clarke, C.H.D.: ROM: 1 [1 - **1**] - Ol Donyo Sambu: Clarke, C.H.D.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 30 June 1973: 2

3 July 1973

Tanzania: Lake Duluti: Clarke, C.H.D.: ROM: 1 [1 - **1**] - Ol Donyo Sambu: Clarke, C.H.D.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 3 July 1973: 2

5 July 1973

Ghana: Unknown locality: Roodenburg, W.F.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1973: 1

6 July 1973

Kenya: Magadi: Sutton, J.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 6 July 1973: 3

7 July 1973

Zambia: Kriel cave: Black, Hal L.: MSB: 1 [1 - **1**] - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 34 [34 - **34** - **35**].

Total Specimens for 7 July 1973: 35

8 July 1973

Kenya: Magadi: Sutton, J.: ROM: 3 [3 - **3** - **3**].
South Africa: Uitkyk en Paranie Private Nature Reserve: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 7 [7 - **7** - **7**].

Total Specimens for 8 July 1973: 10

9 July 1973

Libya: Benghazi: Shakmat, A.J.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1973: 1

10 July 1973

Kenya: Magadi: Sutton, J.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 10 July 1973: 2

12 July 1973

Burundi: Bujumbura: Niort, P.L.: MHNG: 2 [2 - **2**] - Mabaye: Niort, P.L.: MHNG: 1 [1 - **1** - **3**].

Total Specimens for 12 July 1973: 3

13 July 1973

Ghana: Kumasi: Boakye, A.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1973: 1

14 July 1973

Tanzania: Lake Duluti: Clarke, C.H.D.: ROM: 1 [1 - **1** - **1**].
Zambia: Lunga-GR, Nyabikwa Kabompo confluence: Ansell, William Frank Harding: HZM: 1 [1 - **1**] - Mwombezhi river: Ansell, P.D.H.: HZM: 1 [1 - **1**] - Mwombezi village: Ansell, P.D.H.: MSB: 1 [1 - **1** - **3**].

Total Specimens for 14 July 1973: 4

15 July 1973

Kenya: Kailpos Hill: Williams, John George: ROM: 1 [1 - **1** - **1**].
Tanzania: Lake Duluti: Clarke, C.H.D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1973: 2

17 July 1973

Zambia: Nyansowe stream: Ansell, P.D.H.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1973: 1

19 July 1973

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Kenya: Ngaranyiru: Sutton, J.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 19 July 1973: 4

20 July 1973

Ghana: Kumasi: Boakye, A.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1973: 1

22 July 1973

Kenya: Ngaranyiru: Sutton, J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1973: 1

23 July 1973

Kenya: Ngaranyiru: Sutton, J.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 23 July 1973: 3

24 July 1973

Kenya: Ngaranyiru: Sutton, J.: ROM: 4 [4 - **4** - **4**].
Zambia: Mwinilunga, Sakeji Stream: Ansell, P.D.H.: HNHM: 1 [1 - **1**] - Sakei Stream, headwaters: Ansell, William Frank Harding: MSB: 1 [1 - **1** - **2**].

Total Specimens for 24 July 1973: 6

26 July 1973

Ghana: Kumasi: Boakye, A.K.: ROM: 1 [1 - **1** - **1**].
Mozambique: Zinave: : AMNH: 6 [6 - **6** - **6**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 9 [9]; Howell, Kim M.; Msuya, C.A.: USNM: 23 [23 - **32** - **32**].

Total Specimens for 26 July 1973: 39

27 July 1973

South Africa: The Downs: Jacobsen, N.J.: TM: 1 [1 - **1** - **1**].
Zambia: Jumbe river: Ansell, P.D.H.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1973: 2

28 July 1973

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].
South Africa: The Downs: Jacobsen, N.J.: TM: 1 [1 - **1** - **1**].
Tanzania: Ol Donyo Sambu: Clarke, C.H.D.: ROM: 1 [1 - **1** - **1**].
Zambia: Jimbe Stream: Ansell, William Frank Harding: MSB: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1973: 8

29 July 1973

Ethiopia: Arba Minch: Rupp, Hans: SMF: 1 [1 - **1** - **1**].
Ghana: Kumasi: Boakye, A.K.: ROM: 1 [1 - **1** - **1**].
Tanzania: Ol Donyo Sambu: Clarke, C.H.D.: ROM: 1 [1 - **1** - **1**].
Zambia: Kanyale stream: Ansell, P.D.H.: HNHM: 1, NMZL: 1 [2 - **2** - **2**].

Total Specimens for 29 July 1973: 5

30 July 1973

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].
Zambia: Kanyale stream: Ansell, P.D.H.: AMS: 1, HZM: 1 [2 - **2** - **2**].

Total Specimens for 30 July 1973: 5

31 July 1973

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Ghana: Kumasi: Boakye, A.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1973: 6

2 August 1973

Algeria: Ighzer cave: Dely, O.Gy.; Zilahy, F.: HNHM: 1 [1 - **1** - **1**].
Zambia: Kriel cave: Black, Hal L.: MSB: 1 [1 - **1**] - Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 8 [8 - **8** - **9**].

Total Specimens for 2 August 1973: 10

4 August 1973

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Afeworks Farm: Rupp, Hans: SMF: 1 [1 - **1**] - Jimma: : SMF: 1 [1 - **1** - **4**].

Total Specimens for 4 August 1973: 4

5 August 1973

South Africa: Farm Scrutton 23MT: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1973: 1

6 August 1973

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1973: 2

7 August 1973

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 71 [71 - **71**] - Arba Minch: ?: Collector Unknown: SMF: 1 [1 - **1** - **72**].
South Africa: Farm Scrutton 23MT: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **8** - **8**].

Total Specimens for 7 August 1973: 80

8 August 1973

Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 12 [12 - **12** - **12**].

Total Specimens for 8 August 1973: 12

9 August 1973

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].
South Africa: Farm Greefswald 37MS: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Farm Greefswald 37MS, Shashi-Limpopo confluence: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Greefswald [= Mapungubwe]: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **3**].

Total Specimens for 9 August 1973: 8

11 August 1973

Ghana: Achimota College: Maness, S.J.: FMNH: 6 [6 - **6** - **6**].
South Africa: Farm Greefswald 37MS: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1973: 7

14 August 1973

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Ghana: Kade Agricultural Research Station: Maness, S.J.: FMNH: 1 [1 - **1** - **1**].
South Africa: Greefswald [= Mapungubwe]: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Total Specimens for 14 August 1973: 4

17 August 1973

Algeria: Batna: Dely, O.Gy.; Zilahy, F.: HNHM: 1 [1 - **1** - **1**].
Ethiopia: Gojeb River: Rupp, Hans: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1973: 2

18 August 1973

South Africa: Farm Greefswald 37MS, Shashi-Limpopo confluence: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - Greefswald [= Mapungubwe]: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **8**].

Total Specimens for 18 August 1973: 8

19 August 1973

Ghana: Upper: Maness, S.J.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1973: 1

20 August 1973

Kenya: Shimoni: Glen, Robert M.: ROM: 4 [4]; Williams, John George: ROM: 1 [1 - **5** - **5**].

Total Specimens for 20 August 1973: 5

22 August 1973

Zambia: Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 2 [2 - **2** - **2**].

Total Specimens for 22 August 1973: 2

23 August 1973

Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 14 [14 - **14** - **14**].

Total Specimens for 23 August 1973: 14

24 August 1973

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 24 August 1973: 3

27 August 1973

Kenya: Shimoni: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1973: 1

28 August 1973

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Shimoni: Williams, A.E.; Williams, John George: ROM: 4 [4 - **4** - **5**].

Total Specimens for 28 August 1973: 5

29 August 1973

Kenya: Shimoni: Glen, Robert M.: ROM: 4 [4]; Williams, A.E.; Williams, John George: ROM: 4 [4]; Williams, John George: ROM: 2 [2 - **10** - **10**].
South Africa: Agriculture station: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1973: 11

30 August 1973

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Shimoni: Williams, A.E.; Williams, John George: ROM: 9 [9 - **9**] - Shimoni cave: Williams, John George: ROM: 1 [1 - **1** - **11**].
Zambia: Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: Black, Hal L.: MSB: 5 [5 - **5** - **5**].

Total Specimens for 30 August 1973: 16

31 August 1973

Ghana: Mampong: Boakye, A.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1973: 1

1 September 1973

South Africa: Addington: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1973: 1

2 September 1973

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 7 [7 - **7**] - Awasa, lake: Rupp, Hans: SMF: 13, ZMA: 1 [14 - **14** - **21**].

Total Specimens for 2 September 1973: 21

6 September 1973

South Africa: Farm Mooiplaas 94: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tunisia: Grombalia, 10 km W: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1973: 2

7 September 1973

South Africa: Farm Mooiplaas 94: Rautenbach, Ignatius Lourens [=Naas]: TM: 12 [12 - **12** - **12**].

Total Specimens for 7 September 1973: 12

10 September 1973

Kenya: Kyamunyuu: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1** - **1**].
Zambia: Kriel cave: Black, Hal L.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1973: 2

11 September 1973

Ethiopia: Lava-Dom: Rupp, Hans: SMF: 7 [7 - **7** - **7**].
Tunisia: Entouna mine: Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **6** - **6**].

Total Specimens for 11 September 1973: 13

13 September 1973

South Africa: Farm Rykvoorby 96: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].

Total Specimens for 13 September 1973: 3

18 September 1973

Zimbabwe: Le Rhone Lodge, Lake Kyle: Wright, Peter J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1973: 1

20 September 1973

Kenya: Kairuni: Stager, Kenneth E.: LACM: 8 [8 - **8** - **8**].
Niger: Zinder: Petiniot: RMCA: 5 [5 - **5** - **5**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 7 [7]; Howell, Kim M.; Msuya, C.A.: USNM: 19 [19 - **26** - **26**].
Zambia: Kriel cave: Black, Hal L.: MSB: 9 [9 - **9** - **9**].

Total Specimens for 20 September 1973: 48

25 September 1973

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 25 September 1973: 5

1 October 1973

Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1973: 1

2 October 1973

Cameroon: Buéa: Prévost, J.: MNHN: 10 [10 - **10** - **10**].

Total Specimens for 2 October 1973: 10

3 October 1973

Kenya: Marigat: Hutton-Seed, R.; Williams, A.E.: ROM: 1 [1 - **1** - **1**].
Tunisia: Sidi Tayeaa: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4** - **4**].

Total Specimens for 3 October 1973: 5

4 October 1973

Kenya: Kalama: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1** - **1**].
South Africa: Farm Randstephane 455 KQ [=Farm Donkerpoort 448]: Rautenbach, Ignatius Lourens [=Naas]: TM: 12 [12 - **12** - **12**].
Tunisia: Zaghouan, 3 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 10 [10 - **10** - **10**].

Total Specimens for 4 October 1973: 23

5 October 1973

Tunisia: Zaghouan, 3 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 22 [22 - **22** - **22**].

Total Specimens for 5 October 1973: 22

6 October 1973

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1973: 2

7 October 1973

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1973: 1

8 October 1973

Ethiopia: Migiurtinia, Oasi di Galgalo: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1973: 1

9 October 1973

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Njoro: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 9 October 1973: 3

10 October 1973

South Africa: Rissik Private Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].

Total Specimens for 10 October 1973: 4

11 October 1973

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Zambia: Kalabo: Ansell, P.D.H.: AMS: 1 [1]; Ansell, William Frank Harding: HNHM: 2, MSB: 1, ROM: 9 [12]; Black, Hal L.: MSB: 1 [1 - **14** - **14**].

Total Specimens for 11 October 1973: 15

12 October 1973

Tunisia: El Ouidiane abandoned coal mine: Smail, A.B.: TTU: 1 [1]; Vaughan, Tom; Vaughan, Pamela: TTU: 12 [12 - **13** - **13**].
Zambia: Kriel cave: Black, Hal L.: MSB: 11 [11 - **11** - **11**].

Zimbabwe: Zimbabwe National Park: Wright, Peter J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1973: 25

14 October 1973

South Africa: Rissik Private Nature Reserve: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **2**].

Total Specimens for 14 October 1973: 2

15 October 1973

Ethiopia: Koka: Ash, John S.: USNM: 1 [1 - **1** - **1**].
South Africa: on Louis Trichard Road: Branch, William [="Bill"] R.: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 October 1973: 2

16 October 1973

Ethiopia: Koka: Ash, John S.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 16 October 1973: 4

17 October 1973

Tunisia: Sidi Mansour area: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1973: 1

18 October 1973

Ghana: Akrokyere: Boakye, A.K.: ROM: 11 [11 - **11**] - Mampong: Boakye, A.K.: ROM: 6 [6 - **6** - **17**].

Total Specimens for 18 October 1973: 17

23 October 1973

Cameroon: Yaounde: Prévost, J.: MNHN: 1 [1 - **1** - **1**].
Ghana: Akropong: Boakye, A.K.: ROM: 13 [13 - **13** - **13**].

Total Specimens for 23 October 1973: 14

25 October 1973

Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 23 [23 - **23** - **23**].
Tunisia: Sidi Messaoud, mine tunnel near: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1973: 24

26 October 1973

Zambia: Kriel cave: Black, Hal L.: MSB: 6 [6 - **6** - **6**].

Total Specimens for 26 October 1973: 6

27 October 1973

Kenya: Kilongo Hills: Kyongo, Robert N.: CUMV: 1 [1 - **1**] - Rongai, 5 km S: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2** - **3**].

Total Specimens for 27 October 1973: 3

28 October 1973

Cameroon: Buéa: ?: Collector Unknown: MNHN: 1 [1]; Prévost, J.: MNHN: 1 [1 - **2** - **2**].
Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - Rongai, 5 km S: Williams, A.E.: ROM: 3 [3]; Williams, A.E.; Williams, John George: ROM: 1 [1 - **4** - **5**].

Total Specimens for 28 October 1973: 7

29 October 1973

Kenya: Njoro: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1973: 1

30 October 1973

Ghana: Mpraeso: Boakye, A.K.: ROM: 13 [13 - **13** - **13**].
Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1973: 14

1 November 1973

Cameroon: Eseka: Robbins: RMCA: 4 [4 - **4** - **4**].
Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 2 [2 - **2** - **2**].
Mozambique: Zinave: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1973: 7

2 November 1973

Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Ghana: New Edubiase: Boakye, A.K.: ROM: 15 [15 - **15** - **15**].
Zambia: Chilanga: Ansell, William Frank Harding: HNHM: 1, MSB: 1, ROM: 1 [3 - **3** - **3**].

Total Specimens for 2 November 1973: 19

3 November 1973

Congo (Democratic Republic of the): Mbuji-Mayi: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].
Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 3 November 1973: 6

4 November 1973

Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Kibwezi: Vaughan, Terry A.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1973: 2

5 November 1973

Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 2 [2 - **2** - **2**].

Total Specimens for 5 November 1973: 2

6 November 1973

Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 3 [3 - **3** - **3**].
Kenya: Kibwezi: Vaughan, Terry A.: WAM: 1 [1 - **1** - **1**].
South Africa: Town Bush Valley, Town Bush Cave: Wingate, Lloyd R.: TM: 5 [5 - **5** - **5**].

Total Specimens for 6 November 1973: 9

7 November 1973

Kenya: Lake Naivasha: Williams, A.E.; Williams, John George: ROM: 7 [7 - **7** - **7**].

Total Specimens for 7 November 1973: 7

8 November 1973

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: AMNH: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2** - **2**].

Total Specimens for 8 November 1973: 2

9 November 1973

Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Mbondoni: Kyongo, Robert N.: CUMV: 1 [1 - **1** - **1**].

Zambia: Choma: Ansell, William Frank Harding: MSB: 1, ROM: 1 [2 - **2** - **2**].

Total Specimens for 9 November 1973: 4

10 November 1973

Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 5 [5 - **5** - **5**].
Ghana: Kumasi Agricultural Station: Boakye, A.K.: ROM: 1 [1 - **1**] - New Edubiase: Boakye, A.K.: ROM: 12 [12 - **12** - **13**].
Kenya: Kilimani Estate: Williams, A.E.; Williams, John George: ROM: 9 [9 - **9**] - Mbondoni: Kyongo, Robert N.: CUMV: 1 [1 - **1** - **10**].

Total Specimens for 10 November 1973: 28

11 November 1973

Cameroon: Ntui: Prévost, J.: MNHN: 5 [5 - **5**] - Ntui, 11 km N: Prévost, J.: MNHN: 2 [2 - **2**] - Ntui, 7 km N: Prévost, J.: MNHN: 4 [4 - **4** - **11**].
Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 11 November 1973: 13

12 November 1973

Congo (Democratic Republic of the): Kabwe: Heidenreich, Chris E.: WNMU: 1 [1]; Western New Mexico University: FMNH: 3 [3 - **4** - **4**].
Zambia: Kriel cave: Black, Hal L.: MSB: 4 [4 - **4** - **4**].

Total Specimens for 12 November 1973: 8

13 November 1973

Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 1 [1 - **1** - **1**].
South Africa: Bryanston, 883 Lowndees Road: Terlingen, Robert: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1973: 2

15 November 1973

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1973: 1

16 November 1973

Zambia: Kilwa Island: Mill, T.A.: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1973: 1

17 November 1973

Burkina Faso: Nobere, 1.5 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1973: 1

18 November 1973

Burkina Faso: Nobéré, 1 km S: Mumford, Russell E.: ROM: 1 [1 - **1**] - Nobere, 1.5 km S: Mumford, Russell E.: ROM: 2 [2 - **2** - **3**].
Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1** - **1**].
South Africa: Farm Welgedaan 292: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1973: 5

19 November 1973

Burkina Faso: Nobéré, 1 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Zambia: Kriel cave: Black, Hal L.: MSB: 13 [13 - **13** - **13**].

Total Specimens for 19 November 1973: 14

22 November 1973

Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 24 [24 - **24** - **24**].

Zambia: Chelston, 2 mi [=3.2 km] N: Black, Hal L.: MSB: 2 [2 - **2** - **2**].

Total Specimens for 22 November 1973: 26

23 November 1973

Cameroon: Yaounde: Prévost, J.: MNHN: 1 [1 - **1** - **1**].
Mozambique: Zinave, 5 km W: : AMNH: 3 [3 - **3** - **3**].

Total Specimens for 23 November 1973: 4

24 November 1973

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: AMNH: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2** - **2**].
Mozambique: Zinave, 3 km SW: : AMNH: 2 [2 - **2** - **2**].
South Africa: Town Bush Valley, Town Bush Cave: Wingate, Lloyd R.: TM: 6 [6 - **6** - **6**].
Zambia: Chelston, 2 mi [=3.2 km] N: Black, Hal L.: MSB: 2 [2 - **2**] - Kriel cave: Black, Hal L.: MSB: 4 [4 - **4**] - Lochinvar: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **7**].

Total Specimens for 24 November 1973: 17

25 November 1973

Zambia: Lochinvar: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1973: 1

27 November 1973

Kenya: Rondo forest: Glen, Robert M.: ROM: 14 [14 - **14** - **14**].
Mozambique: Zinave: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1973: 15

28 November 1973

Mozambique: Zinave: : AMNH: 1 [1 - **1**] - Zinave, 2 km SW: : AMNH: 1 [1 - **1** - **2**].

Total Specimens for 28 November 1973: 2

29 November 1973

Nigeria: Bacita: Mees, Gerolf Fokko: RMNH: 1 [1 - **1** - **1**].
Zambia: Munali: Ansell, William Frank Harding: ROM: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1973: 2

30 November 1973

Cameroon: Mount Manengouba: Prévost, J.: MNHN: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kananga: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1973: 2

2 December 1973

Mozambique: Zinave, 2 km S: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1973: 1

3 December 1973

Congo (Democratic Republic of the): Kapushia: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].
Ethiopia: Gambela: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 3 December 1973: 3

4 December 1973

Ethiopia: Gambela: Ash, John S.: USNM: 5 [5 - **5** - **5**].
Zambia: Kriel cave: Black, Hal L.: MSB: 32 [32 - **32** - **32**].

Total Specimens for 4 December 1973: 37

5 December 1973

Ethiopia: Gambela: Ash, John S.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 5 December 1973: 4

6 December 1973

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Nigeria: Bacita: Mees, Gerolf Fokko: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1973: 2

7 December 1973

Ethiopia: Gambela: Ash, John S.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 7 December 1973: 3

9 December 1973

Ethiopia: Gambela: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 9 December 1973: 2

10 December 1973

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Hunter's Lodge, near: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1973: 2

11 December 1973

Ethiopia: Gambela: Ash, John S.: USNM: 4 [4 - **4** - **4**].
Nigeria: Bacita: Mees, Gerolf Fokko: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1973: 5

13 December 1973

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1973: 1

14 December 1973

Ethiopia: Gambela: Ash, John S.: USNM: 3 [3 - **3** - **3**].
Zambia: Kriel cave: Black, Hal L.: MSB: 35 [35 - **35** - **35**].

Total Specimens for 14 December 1973: 38

15 December 1973

Kenya: Kambu: Eger, Judith L.; Glen, Robert M.: ROM: 3 [3 - **3**] - Kithimani area: Eger, Judith L.; Glen, Robert M.: ROM: 2 [2 - **2** - **5**].
South Africa: Farm Klipfontein 407, Echo caves: Meyer, Andre: TM: 5 [5 - **5**] - Farm Randstephane 455 KQ [=Farm Donkerpoort 448]: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **6**].

Total Specimens for 15 December 1973: 11

16 December 1973

Kenya: Kivani: Eger, Judith L.; Glen, Robert M.: ROM: 2 [2 - **2** - **2**].
South Africa: Farm Ferndale: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 16 December 1973: 5

17 December 1973

Mozambique: Zinave: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1973: 1

18 December 1973

Kenya: Kithimani area: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1**] - Mumandu Hill: Eger, Judith L.; Glen, Robert M.: ROM: 29 [29 - **29** - **30**].
South Africa: Charter's Creek: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1973: 31

19 December 1973

Mozambique: Zinave: : AMNH: 2 [2 - **2** - **2**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 5 [5]; Howell, Kim M.; Msuya, C.A.: USNM: 11 [11 - **16** - **16**].

Total Specimens for 19 December 1973: 18

20 December 1973

Kenya: Nyangala hill: ?: Collector Unknown: ROM: 2 [2]; Eger, Judith L.; Glen, Robert M.: ROM: 66 [66 - **68** - **68**].

Total Specimens for 20 December 1973: 68

21 December 1973

Nigeria: Bacita: Mees, Gerolf Fokko: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 December 1973: 1

22 December 1973

Zambia: Kriel cave: Black, Hal L.: MSB: 50 [50 - **50** - **50**].

Total Specimens for 22 December 1973: 50

24 December 1973

Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 4 [4 - **4**] - Ginir, 49 km N: Williams, A.E.: ROM: 1 [1 - **1**] - Jarra: Williams, A.E.: ROM: 5 [5 - **5** - **10**].

Total Specimens for 24 December 1973: 10

26 December 1973

Tunisia: Bulla Regia: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1973: 1

27 December 1973

Congo (Democratic Republic of the): Mbuji-Mayi: Western New Mexico University: FMNH: 2 [2 - **2** - **2**].
Kenya: Shell BM Camp: Eger, Judith L.; Glen, Robert M.: ROM: 10 [10 - **10** - **10**].

Total Specimens for 27 December 1973: 12

28 December 1973

Ethiopia: Giner, 48 km N: Williams, A.E.: ROM: 1 [1 - **1**] - Ginir, 49 km N: Williams, A.E.: ROM: 1 [1 - **1** - **2**].
Kenya: Kipini: Eger, Judith L.; Glen, Robert M.: ROM: 7 [7 - **7**] - Kitoko River: Eger, Judith L.; Glen, Robert M.: ROM: 11 [11 - **11** - **18**].
Zambia: Kriel cave: Black, Hal L.: MSB: 33 [33 - **33**] - Munali: Ansell, P.D.H.: AMS: 1 [1 - **1** - **34**].

Total Specimens for 28 December 1973: 54

29 December 1973

Ethiopia: Jarra: Williams, A.E.: ROM: 2 [2 - **2** - **2**].
Kenya: Kitoko River: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1** - **1**].
South Africa: Farm Ferndale: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Zambia: Munali: Ansell, William Frank Harding: HNHM: 1, ROM: 1 [2 - **2** - **2**].

Total Specimens for 29 December 1973: 7

30 December 1973

Ethiopia: Giner, 48 km N: Williams, A.E.: ROM: 1 [1 - **1**] - Ginir, 49 km N: Williams, A.E.: ROM: 1 [1 - **1**] - Jarra: Williams, A.E.: ROM: 2 [2 - **2** - **4**].
Kenya: Garsen, 8.5 km N: ?: Collector Unknown: ROM: 3 [3 - **3**] - on Galole Road: Eger, Judith L.; Glen, Robert M.: ROM: 34 [34 - **34**] - Simba: Aidley: BMNH: 1 [1 - **1** - **38**].
South Africa: Farm Ferndale: Scholtz, C.: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1973: 43

31 December 1973

Kenya: Garsen, 8.5 km N: ?: Collector Unknown: ROM: 1 [1 - **1**] - Garsen, near: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1**] - Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - Lake Bilisa: Eger, Judith L.; Glen, Robert M.: ROM: 18 [18 - **18**] - on Galole Road: Eger, Judith L.; Glen, Robert M.: ROM: 11 [11 - **11** - **32**].

Total Specimens for 31 December 1973: 32

1 January 1974

Cameroon: Unknown locality: Hulselmans, Jan; Louette, Michel: RMCA: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Bamania: Hulstaert, Gustaaf: RMCA: 1 [1 - **1**] - Boende: Lootens, P.: RMCA: 14 [14 - **14** - **15**].
Ethiopia: Giner, 48 km N: Williams, A.E.: ROM: 2 [2 - **2**] - Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 2 [2 - **2** - **4**].
Kenya: Coast [former] province: ?: Collector Unknown: SMF: 2 [2 - **2**] - Kikambala: Seibt; Wickler: SMF: 2 [2 - **2** - **4**].
Sierra Leone: Freetown: Bragg, E.: USNM: 1 [1 - **1** - **1**].
Tunisia: Djebel Rassas: ?: Collector Unknown: TTU: 1 [1 - **1** - **1**].
Zimbabwe: Collins Farm: Fenton, Melville Brock: USNM: 1 [1 - **1**] - Hostes Nicoll Research Institute: Fenton, Melville Brock: ROM: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1974: 30

2 January 1974

Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 1 [1 - **1**] - Ginir, 49 km N: Williams, A.E.: ROM: 1 [1 - **1** - **2**].
Ghana: Kpaudu: Roodenburg, W.F.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1974: 3

3 January 1974

Zambia: Kriel cave: Black, Hal L.: MSB: 60 [60 - **60** - **60**].

Total Specimens for 3 January 1974: 60

4 January 1974

Congo (Democratic Republic of the): Kananga: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].
Ethiopia: Giner, 48 km N: Williams, A.E.: ROM: 1 [1 - **1**] - Ginir, 49 km N: Williams, A.E.: ROM: 1 [1 - **1**] - Jarra: Williams, A.E.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 4 January 1974: 4

5 January 1974

Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 2 [2 - **2** - **2**].
Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock: ROM: 4 [4 - **4**] - Hostes Nicolle Institute of Wildlife Research: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1**] - Sengwa Wildlife Research Area: Fenton, Melville Brock: USNM: 2 [2 - **2** - **7**].

Total Specimens for 5 January 1974: 9

6 January 1974

Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 1 [1 - **1**] - Jarra: Williams, A.E.: ROM: 7 [7 - **7** - **8**].

Total Specimens for 6 January 1974: 8

7 January 1974

Ethiopia: Giner, 48 km N: Williams, A.E.: ROM: 2 [2 - **2**] - Jarra: Williams, A.E.: ROM: 4 [4 - **4** - **6**].

Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock: ROM: 1 [1]; Fenton, Melville Brock; Coutts: ROM: 1 [1 - **2** - **2**].

Total Specimens for 7 January 1974: 8

8 January 1974

Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 2 [2 - **2**] - Jarra: Williams, A.E.: ROM: 5 [5 - **5** - **7**].
Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1**] - Hostes Nicolle Institute of Wildlife Research: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1** - **2**].

Total Specimens for 8 January 1974: 9

9 January 1974

Kenya: Kivani: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1**] - Machakos: Eger, Judith L.; Glen, Robert M.: ROM: 6 [6 - **6** - **7**].
Liberia: Mano river: Johnson: RMCA: 1 [1 - **1** - **1**].
Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock: ROM: 1 [1 - **1** - **2**] - Hostes Nicolle Institute: Fenton, Melville Brock: ROM: 1 [1 - **1** - **2**].

Total Specimens for 9 January 1974: 10

10 January 1974

Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 2 [2 - **2**] - Jarra: Williams, A.E.: ROM: 2 [2 - **2** - **4**].
Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock: ROM: 2 [2 - **2**] - Sengwa Wildlife Research Area: Fenton, Melville Brock: USNM: 3 [3 - **3** - **5**].

Total Specimens for 10 January 1974: 9

11 January 1974

South Africa: Farm Welgevonden 449: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **5**].
Zambia: Kriel cave: Black, Hal L.: MSB: 20 [20 - **20** - **20**].

Total Specimens for 11 January 1974: 25

12 January 1974

Ethiopia: Giner, 48 km N: Williams, A.E.: ROM: 1 [1 - **1**] - Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 3 [3 - **3**] - Jarra: Williams, A.E.: ROM: 1 [1 - **1** - **5**].

Total Specimens for 12 January 1974: 5

13 January 1974

Ethiopia: Jarra: Williams, A.E.: ROM: 2 [2 - **2** - **2**].
Zimbabwe: Hostes Nicolle Institute of Wildlife Research: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1**] - Sengwa Wildlife Research Area: Fenton, Melville Brock: USNM: 1 [1 - **1** - **2**].

Total Specimens for 13 January 1974: 4

14 January 1974

South Africa: Farm Welgevonden 449: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Zimbabwe: Hostes Nicolle Institute of Wildlife Research: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1974: 2

15 January 1974

Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 3 [3 - **3**] - Ginir, 49 km N: Williams, A.E.: ROM: 1 [1 - **1**] - Jarra: Williams, A.E.: ROM: 3 [3 - **3** - **7**].
Kenya: Nguruman Escarpment: Eger, Judith L.; Glen, Robert M.: ROM: 45 [45]; Williams, John George: ROM: 1 [1 - **46** - **46**].
Zimbabwe: Hostes Nicolle Institute of Wildlife Research: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1974: 54

16 January 1974

Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 3 [3 - **3**] - Jarra: Williams, A.E.: ROM: 2 [2 - **2** - **5**].
Kenya: Base of Nguruman Escarpment, Endoposei River: Eger, Judith L.; Glen, Robert M.: ROM: 6 [6 - **6**] - Endoposei river: Eger, Judith L.: ROM: 1 [1]; Eger, Judith L.; Glen, Robert M.: ROM: 8 [8 - **9**] - Nguruman Escarpment: Eger, Judith L.; Glen, Robert M.: ROM: 11 [11 - **11** - **26**].

South Africa: Farm Nicorel 343: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1974: 32

17 January 1974

South Africa: Farm Nicorel 343: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tunisia: Zaghouan, 3 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4** - **4**].
Zimbabwe: Hostes Nicoll Research Institute: ?: Collector Unknown: TTU: 1 [1]; Fenton, Melville Brock: ROM: 1 [1]; Fenton, Melville Brock; Coutts: ROM: 5 [5 - **7** - **7**].

Total Specimens for 17 January 1974: 12

18 January 1974

Ethiopia: Jarra: Williams, A.E.: ROM: 5 [5 - **5** - **5**].
South Africa: Farm Groothoek 99: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].
Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock: ROM: 3 [3 - **3** - **3**].

Total Specimens for 18 January 1974: 11

19 January 1974

Cameroon: Yoko, 5 km S: Prévost, J.: MNHN: 3 [3 - **3** - **3**].
Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 5 [5 - **5** - **5**].
Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1974: 9

20 January 1974

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Bulcha Forest: Ash, John S.: USNM: 2 [2 - **2**] - Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 4 [4 - **4**] - Jarra: Williams, A.E.: ROM: 2 [2 - **2** - **9**].

Total Specimens for 20 January 1974: 9

21 January 1974

Ethiopia: Jarra: Williams, A.E.: ROM: 3 [3 - **3** - **3**].
South Africa: Farm Groothoek 99: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1974: 4

22 January 1974

Cameroon: Yoko, 15 km S: Prévost, J.: MNHN: 1 [1 - **1** - **1**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1**] - Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 5 [5 - **5** - **6**].
Zambia: Kriel cave: Black, Hal L.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1974: 8

23 January 1974

Ethiopia: Giner, 48 km N: Williams, A.: ROM: 1 [1 - **1**] - Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 2 [2 - **2** - **3**].
South Africa: Farm Groothoek 99: Rautenbach, Ignatius Lourens [=Naas]: TM: 13 [13 - **13** - **13**].

Total Specimens for 23 January 1974: 16

24 January 1974

Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 1 [1 - **1**] - Jarra: Williams, A.E.: ROM: 1 [1 - **1** - **2**].
Zambia: Kriel cave: Black, Hal L.: MSB: 40 [40 - **40** - **40**].

Total Specimens for 24 January 1974: 42

26 January 1974

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1974: 1

28 January 1974

Tunisia: Scarna mine: Vaughan, Tom; Vaughan, Pamela: TTU: 2 [2 - **2** - **2**].

Zimbabwe: Mineral King Farm: Dick, J.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1974: 3

29 January 1974

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1974: 1

30 January 1974

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 30 January 1974: 1

5 February 1974

Ethiopia: Sof Omar cave: Williams, A.E.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 5 February 1974: 5

7 February 1974

Ethiopia: Ginir, 30 mi [=48 km] N: Williams, A.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1974: 1

8 February 1974

Cameroon: Waza, 35 km N: Böhme, Wolfgang; Hartwig: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 8 February 1974: 2

9 February 1974

Cameroon: Waza, 35 km N: Böhme, Wolfgang; Hartwig: ZFMK: 17 [17 - **17** - **17**].
South Africa: Boekenhoufontein: Dick, J.A.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 9 February 1974: 21

10 February 1974

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
South Africa: Boekenhoufontein: Dick, J.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1974: 2

11 February 1974

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Cameroon: Waza: Böhme, Wolfgang; Hartwig: ZFMK: 5 [5 - **5** - **5**].
South Africa: Barberspan Provincial Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6** - **6**].

Total Specimens for 11 February 1974: 12

12 February 1974

Cameroon: Waza: Böhme, Wolfgang; Hartwig: ZFMK: 12 [12 - **12** - **12**].
Mozambique: Estatuene: : AMNH: 8 [8 - **8** - **8**].
South Africa: Barberspan Provincial Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Farm Grootsuikerboschkop 124: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **3**].

Total Specimens for 12 February 1974: 23

13 February 1974

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1974: 1

16 February 1974

South Africa: Blyde River Canyon [=Blyderivier Blyderivierspoort] Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1974: 1

17 February 1974

Burundi: Bujumbura: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Ethiopia: Didessa settlement: Ash, John S.: USNM: 1 [1 - **1** - **1**].
South Africa: Farm Witpoort 419: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1974: 3

18 February 1974

Sierra Leone: Freetown: Avery, L.; Bragg, E.: USNM: 1 [1 - **1** - **1**].
South Africa: Farm Witpoort 419: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Total Specimens for 18 February 1974: 3

20 February 1974

Ethiopia: Didessa settlement: Ash, John S.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 20 February 1974: 3

21 February 1974

Ethiopia: Didessa settlement: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 33 [33]; Howell, Kim M.; Msuya, C.A.: USNM: 15 [15 - **48** - **48**].

Total Specimens for 21 February 1974: 49

22 February 1974

Ethiopia: Didessa settlement: Ash, John S.: USNM: 2 [2 - **2** - **2**].
Kenya: Lukore area: Ithia, Julius M.K.: CUMV: 2 [2 - **2** - **2**].

Total Specimens for 22 February 1974: 4

23 February 1974

Burkina Faso: Nobéré, 1 km S: Heisterberg, Jon F.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1974: 1

24 February 1974

Cameroon: Eséka, 15 km SW: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Ethiopia: Addis Ababa, 24 km E: Williams, A.E.: ROM: 3 [3 - **3**] - Didessa settlement: Ash, John S.: USNM: 1 [1 - **1** - **4**].
Kenya: Lukore area: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1974: 6

25 February 1974

Congo (Democratic Republic of the): Mbuji-Mayi, 32 km SE: Western New Mexico University: FMNH: 3 [3 - **3** - **3**].
Ethiopia: Addis Ababa, 24 km E: Williams, A.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1974: 4

26 February 1974

Ethiopia: Didessa settlement: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Lukore area: Ithia, Julius M.K.: CUMV: 2 [2 - **2** - **2**].
Tunisia: Zaghouan, 3 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 10 [10 - **10** - **10**].

Total Specimens for 26 February 1974: 13

27 February 1974

Ethiopia: Melka Were: Williams, A.E.: ROM: 7 [7 - **7**] - Shigella: Rupp, Hans: SMF: 1 [1 - **1** - **8**].

Kenya: Lukore area: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].
South Sudan: Tonj: Sutton, J.; Archer, T.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 27 February 1974: 15

2 March 1974

South Africa: New Agatha Forest Reserve: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **1**].
South Sudan: Tonj: Sutton, J.; Archer, T.: ROM: 1 [1 - **1** - **1**].
Sudan: Wanalerel: Sutton, J.; Archer, T.: ROM: 1 [1 - **1** - **1**].
Tunisia: Chemtou: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1974: 4

3 March 1974

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].
Ethiopia: Harre river: Rupp, Hans: SMF: 7 [7 - **7**] - Melka Were: Williams, A.E.: ROM: 1 [1 - **1** - **8**].
South Sudan: Tonj: Archer, T.: ROM: 1 [1]; Archer, T.; Sutton, J.: ROM: 4 [4]; Sutton, J.; Archer, T.: ROM: 4 [4 - **9** - **9**].

Total Specimens for 3 March 1974: 19

4 March 1974

Ethiopia: Melka Were: Williams, A.E.: ROM: 3 [3 - **3** - **3**].
South Sudan: Tonj: Archer, T.; Sutton, J.: ROM: 2 [2]; Sutton, J.; Archer, T.: ROM: 5 [5 - **7** - **7**].

Total Specimens for 4 March 1974: 10

5 March 1974

Ethiopia: Melka Were: Williams, A.E.: ROM: 11 [11 - **11** - **11**].
South Sudan: Tonj: Sutton, J.; Archer, T.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 5 March 1974: 13

6 March 1974

Ethiopia: Melka Were: Williams, A.E.: ROM: 5 [5 - **5** - **5**].
Kenya: Kibuyuni area: Ithia, Julius M.K.: CUMV: 2 [2 - **2** - **2**].

Total Specimens for 6 March 1974: 7

7 March 1974

South Africa: Farm Mooigenoeg 83: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **3** - **3**].

Total Specimens for 7 March 1974: 3

8 March 1974

Ethiopia: Melka Were: Williams, A.E.: ROM: 5 [5 - **5** - **5**].
South Africa: Farm Mooigenoeg 83: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1974: 6

9 March 1974

Ethiopia: Melka Were: Williams, A.E.: ROM: 7 [7 - **7** - **7**].
Kenya: Lake Nakuru: Hillenius, Dick: ZMA: 1 [1 - **1** - **1**].
South Africa: Farm Mooigenoeg 83: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].

Total Specimens for 9 March 1974: 12

10 March 1974

Ethiopia: Melka Were: Williams, A.E.: ROM: 11 [11 - **11** - **11**].
Zambia: Lusaka: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1974: 12

11 March 1974

Ethiopia: Melka Were: Williams, A.E.: ROM: 11 [11 - **11** - **11**].

Total Specimens for 11 March 1974: 11

12 March 1974

Ethiopia: Melka Were: Williams, A.E.: ROM: 14 [14 - **14** - **14**].
Zambia: Chilanga: Ansell, William Frank Harding: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1974: 15

14 March 1974

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 8 [8 - **8**] - Dorsey: Rupp, Hans: SMF: 3 [3 - **3**] - Melka Were: Williams, A.E.: ROM: 8 [8 - **8** - **19**].

Total Specimens for 14 March 1974: 19

15 March 1974

Ethiopia: Melka Were: Williams, A.E.: ROM: 5 [5 - **5** - **5**].
Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1** - **1**].
South Sudan: Yambio: Sutton, J.; Archer, T.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 15 March 1974: 13

16 March 1974

Ethiopia: Chamo, lake: Rupp, Hans: SMF: 2 [2 - **2**] - Chamo, S bank of lake: Rupp, Hans: SMF: 1 [1 - **1**] - Melka Were: Williams, A.E.: ROM: 4 [4 - **4** - **7**].
South Sudan: Yambio: Sutton, J.; Archer, T.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 16 March 1974: 10

17 March 1974

Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 1 [1 - **1**] - Melka Were: Williams, A.E.: ROM: 4 [4 - **4** - **5**].
Sierra Leone: Freetown: Bragg, E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1974: 6

18 March 1974

Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 1 [1 - **1**] - Melka Were: Williams, A.E.: ROM: 4 [4 - **4** - **5**].

Total Specimens for 18 March 1974: 5

19 March 1974

Ethiopia: Melka Sadi: Williams, A.E.: ROM: 3 [3 - **3** - **3**].
Zimbabwe: Mabalanta Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 19 March 1974: 4

20 March 1974

Ethiopia: Melka Sadi: Williams, A.E.: ROM: 2 [2 - **2** - **2**].
South Sudan: Yambio: Sutton, J.; Archer, T.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1974: 3

21 March 1974

Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 3 [3 - **3** - **3**].
South Sudan: Yambio: Sutton, J.; Archer, T.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 21 March 1974: 6

22 March 1974

South Sudan: Yambio: Sutton, J.; Archer, T.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 22 March 1974: 5

23 March 1974

South Sudan: Yambio: Sutton, J.; Archer, T.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1974: 1

24 March 1974

Ethiopia: Aselle [= Aseita]: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1974: 1

25 March 1974

Sierra Leone: Freetown: Bragg, E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1974: 1

27 March 1974

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1974: 1

28 March 1974

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 14 [14 - **14** - **14**].

Total Specimens for 28 March 1974: 14

30 March 1974

Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 2 [2 - **2** - **2**].

Total Specimens for 30 March 1974: 2

31 March 1974

South Africa: New Agatha Forest Reserve: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 2 [2 - **2** - **2**].

Total Specimens for 31 March 1974: 2

1 April 1974

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 6 [6 - **6**] - Metahara, 1 km W: Rupp, Hans: SMF: 28 [28 - **28** - **34**].

Total Specimens for 1 April 1974: 34

2 April 1974

South Africa: Haenertsburg: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1**] - New Agatha Forest Reserve: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 4 [4 - **4** - **5**].

Total Specimens for 2 April 1974: 5

4 April 1974

Burkina Faso: Nobéré, 1 km S: Mumford, Russell E.: ROM: 1 [1 - **1**] - Nobere, 1.5 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 4 April 1974: 2

6 April 1974

Nigeria: Unknown locality: Smeenk, Chris; Smeenk, Nellie: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1974: 1

7 April 1974

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1974: 1

13 April 1974

Ethiopia: Negelli, 74 km E: Ash, John S.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 13 April 1974: 2

15 April 1974

Mozambique: Zinave: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1974: 1

24 April 1974

Mozambique: Zinave: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1974: 1

26 April 1974

Ethiopia: Sauena: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1974: 1

30 April 1974

Sierra Leone: Freetown: Bragg, E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1974: 1

3 May 1974

Kenya: Marigat, Perakera River: Hutton-Seed, R.; Williams, A.E.: ROM: 1 [1 - **1**] - near Marigat, Perakera River: Hutton-Seed, R.; Williams, A.E.: ROM: 1 [1 - **1** - **2**].
South Africa: Farms Grootsuikerboschkop & Elandslaagte: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6** - **6**].

Total Specimens for 3 May 1974: 8

4 May 1974

South Africa: Farms Grootsuikerboschkop & Elandslaagte: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1974: 1

5 May 1974

Swaziland: Balegane: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1974: 1

10 May 1974

Tunisia: Entouna mine: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4** - **4**].

Total Specimens for 10 May 1974: 4

11 May 1974

Zimbabwe: Kutanga Hippo V. Estates: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Total Specimens for 11 May 1974: 2

14 May 1974

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1974: 1

15 May 1974

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Mozambique: Zinave: : AMNH: 1 [1 - **1** - **1**].
South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1974: 3

16 May 1974

Zimbabwe: Kutanga Hippo V. Estates: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Total Specimens for 16 May 1974: 2

17 May 1974

South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1974: 1

18 May 1974

South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1974: 1

19 May 1974

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Turkwell Gorge: Barton, Otis J.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 19 May 1974: 4

21 May 1974

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1974: 1

22 May 1974

Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1** - **1**].
Zimbabwe: Triangle: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1974: 2

24 May 1974

Ethiopia: Gambela: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Kenya: Kitale, 22 km W: Barton, Otis J.: ROM: 2 [2 - **2**] - Kitale, 22.5 km W: Barton, Otis J.: ROM: 1 [1 - **1**] - Kitale, 23 km W: Barton, Otis J.: ROM: 3 [3 - **3** - **6**].

Total Specimens for 24 May 1974: 7

25 May 1974

Kenya: Kitale, 14 mi [= 22.5 km] W: Barton, Otis J.: ROM: 1 [1 - **1**] - Kitale, 22.5 km W: Barton, Otis J.: ROM: 10 [10 - **10**] - Kitale, 23 km W: Barton, Otis J.: ROM: 1 [1 - **1** - **12**].

Total Specimens for 25 May 1974: 12

26 May 1974

Tunisia: Tatahouine: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1974: 1

27 May 1974

Kenya: Nanyuki, 24 mi [=39 km] N: Barton, Otis J.: ROM: 3 [3 - **3**] - Nanyuki, 38 km N: Barton, Otis J.: ROM: 2 [2 - **2** - **5**].
Tunisia: Tatahouine: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1974: 6

28 May 1974

Tunisia: Toujane, 3 km NW: Vaughan, Tom; Vaughan, Pamela: TTU: 10 [10 - **10** - **10**].

Total Specimens for 28 May 1974: 10

30 May 1974

Kenya: Kyamunyu: Ithia, Julius M.K.: CUMV: 2 [2 - **2** - **2**].

Total Specimens for 30 May 1974: 2

31 May 1974

Cameroon: Eséka, 6 km SE: Robbins, Lynn W.: AMNH: 6 [6 - **6** - **6**].

Total Specimens for 31 May 1974: 6

1 June 1974

Zambia: Magoye research station: Wells: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1974: 1

6 June 1974

Kenya: Kitale: Barton, Otis J.: ROM: 11 [11 - **11**] - Mount Elgon: Barton, Otis J.: ROM: 1 [1 - **1** - **12**].
Zambia: Lusaka, 7 km W: Francis, David M.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1974: 13

7 June 1974

Cameroon: Eséka, 6 km SE: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].
Kenya: Naivasha, 35 km E: Barton, Otis J.: ROM: 9 [9 - **9**] - Naivasha, 35.4 km E: Barton, Otis J.: ROM: 15 [15 - **15** - **24**].
South Africa: on Louis Trichard Road: Branch, William [="Bill"] R.: TM: 1 [1 - **1** - **1**].
Tunisia: Mezel Temime, 3 km SE: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1974: 28

8 June 1974

Cameroon: Eséka, 6 km SE: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Kenya: Naivasha, 24 km E: Barton, Otis J.: ROM: 8 [8 - **8** - **8**].

Total Specimens for 8 June 1974: 9

9 June 1974

Kenya: Naivasha, 24 km E: Barton, Otis J.: ROM: 3 [3 - **3** - **3**].
South Africa: Pietermaritzburg: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Tunisia: El Haouaria, 2 km N: Vaughan, Tom; Vaughan, Pamela: TTU: 3 [3 - **3**] - El Haouaria, 2 km NE: Vaughan, Tom; Vaughan, Pamela: TTU: 8 [8 - **8** - **11**].

Total Specimens for 9 June 1974: 16

10 June 1974

Cameroon: Eséka, 15 km W: Robbins, Lynn W.: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 10 June 1974: 5

12 June 1974

Cameroon: Eséka, 6 km SE: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].
Kenya: Mount Nyiru: Barton, Otis J.: ROM: 11 [11 - **11** - **11**].

Total Specimens for 12 June 1974: 13

14 June 1974

Ghana: Yanfori: Boakye, A.K.: ROM: 1 [1 - **1** - **1**].

Kenya: Ferguson's Gulf: Barton, Otis J.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 14 June 1974: 8

16 June 1974

Zambia: Lusaka: Francis: HZM: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1974: 1

17 June 1974

South Africa: on Louis Trichard Road: Branch, William [="Bill"] R.: TM: 3 [3 - **3** - **3**].

Total Specimens for 17 June 1974: 3

18 June 1974

Kenya: Kitale, 24 km E: Barton, Otis J.: ROM: 17 [17 - **17** - **17**].

Total Specimens for 18 June 1974: 17

20 June 1974

Kenya: Mount Nasolot, near: Barton, Otis J.: ROM: 20 [20 - **20** - **20**].

Total Specimens for 20 June 1974: 20

21 June 1974

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1974: 1

22 June 1974

Cameroon: Eséka, 8 km SW: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Ethiopia: Bulcha Forest: Ash, John S.: USNM: 3 [3 - **3** - **3**].
Kenya: Turkwell river: Barton, Otis J.: ROM: 11 [11 - **11** - **11**].

Total Specimens for 22 June 1974: 15

23 June 1974

Cameroon: Eseka: Robbins, Lynn W.: AMNH: 1, CM: 1 [2 - **2**] - Eséka: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **3**].

Total Specimens for 23 June 1974: 3

24 June 1974

Cameroon: Eseka: Robbins, Lynn W.: CM: 1 [1 - **1**] - Eséka: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - Eséka, 8 km SW: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **5**].

Total Specimens for 24 June 1974: 5

25 June 1974

Ethiopia: Bulcha Forest: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1974: 1

26 June 1974

Cameroon: Eséka, 5 km SW: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 26 June 1974: 2

27 June 1974

South Africa: Umdoni Park: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 27 June 1974: 1

28 June 1974

Cameroon: Eséka, 5 km SW: Robbins, Lynn W.: AMNH: 3 [3 - **3** - **3**].
Kenya: Ramu: Williams, A.E.; Kyongo, Robert N.: ROM: 1 [1 - **1** - **1**].
South Africa: Umdoni Park: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1974: 5

29 June 1974

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - Eséka, 5 km SW: Robbins, Lynn W.: AMNH: 6 [6 - **6** - **7**].
Kenya: Mount Elgon: Barton, Otis J.: ROM: 27 [27 - **27** - **27**].

Total Specimens for 29 June 1974: 34

30 June 1974

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - Eseka, 5 km SW: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - Eséka, 5 km SW: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **5**].
South Africa: Blouberg Private Nature Reserve]: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 14 [14 - **14** - **14**].

Total Specimens for 30 June 1974: 20

1 July 1974

South Africa: Blouberg Private Nature Reserve]: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **9**] - Tambotieskloof, Farm 601: Prozesky, O.P.M.: TM: 1 [1 - **1** - **10**].

Total Specimens for 1 July 1974: 10

2 July 1974

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - Eséka, 5 km SW: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **3**].
South Africa: Blouberg Private Nature Reserve]: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Total Specimens for 2 July 1974: 5

3 July 1974

Cameroon: Eseka, 5 km SW: Robbins, Lynn W.: CM: 1 [1 - **1**] - Eséka, 5 km SW: Robbins, Lynn W.: AMNH: 6 [6 - **6**] - Eséka, 6 km SE: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **8**].
Kenya: Bushwacker's Safari Camp: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 July 1974: 10

4 July 1974

Cameroon: Eséka, 5 km SW: Robbins, Lynn W.: AMNH: 3 [3 - **3** - **3**].
Kenya: Vipingo: Barton, Otis J.: ROM: 20 [20 - **20** - **20**].

Total Specimens for 4 July 1974: 23

5 July 1974

Kenya: Ramu: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 2 [2 - **2**] - Tiwi River delta: Barton, Otis J.: ROM: 12 [12 - **12** - **14**].

Total Specimens for 5 July 1974: 14

6 July 1974

Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - Vipingo: Barton, Otis J.: ROM: 13 [13 - **13** - **14**].

Total Specimens for 6 July 1974: 14

7 July 1974

Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - Kibwezi, 6.5 mi N, 10.5 mi E: O'Shea, Thomas J.: NAU: 1 [1 - **1** - **2**].
South Africa: St Lucia Estuary, 8 mi N: LaVal, Richard K.: KU: 2 [2 - **2** - **2**].

Total Specimens for 7 July 1974: 4

8 July 1974

Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 2 [2 - **2**] - Kibwezi, 6.5 mi N, 10.5 mi E: O'Shea, Thomas J.: NAU: 1 [1 - **1**] - Waa: Barton, Otis J.: ROM: 19 [19 - **19** - **22**].
Tunisia: Tamerza oasis: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1974: 23

9 July 1974

Cameroon: Eséka, 6 km SE: Robbins, Lynn W.: AMNH: 7 [7 - **7** - **7**].
Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - Kibwezi, 6.5 mi N, 10.5 mi E: O'Shea, Thomas J.: NAU: 1 [1 - **1**] - Ramu: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1** - **3**].
South Africa: Blijdschap PNR: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1974: 11

10 July 1974

Ghana: Mole Game Reserve, River below headquarters: McWilliam, A.N.: AMNH: 3 [3 - **3**] - Mole National Park: McWilliam, A.N.; Marshall, A.G.: BMNH: 2 [2 - **2** - **5**].
Kenya: Diani: Barton, Otis J.: ROM: 13 [13 - **13**] - Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - Kibwezi, 6.5 mi N, 10.5 mi E: O'Shea, Thomas J.: NAU: 2 [2 - **2**] - Waa: Barton, Otis J.: ROM: 14, SAMA: 1 [15 - **15** - **31**].
Somalia: Galgalo Oase: Lanza, Benedetto Giuseppe Antonio; Azzaroli Puccetti, Maria E.: MZUF: 15 [15 - **15** - **15**].
Tunisia: Redeyef, 4 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 9 [9 - **9** - **9**].

Total Specimens for 10 July 1974: 60

11 July 1974

Cameroon: Eséka, 6 km SE: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Kamituga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Ghana: Mole Game Reserve, river below Headquarters: Marshall, A.G.: AMNH: 1 [1]; McWilliam, A.N.: AMNH: 1 [1 - **2** - **2**].
Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - Kibwezi, 6.5 mi N, 10.5 mi E: O'Shea, Thomas J.: NAU: 1 [1 - **1**] - Ramu: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 11 July 1974: 8

12 July 1974

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].
Ghana: Mole Game Reserve, River below headquarters: McWilliam, A.N.: AMNH: 2 [2 - **2** - **2**].
Kenya: Kibwezi, 6.5 mi N, 10.5 mi E: O'Shea, Thomas J.: NAU: 3 [3 - **3**] - Ramu: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1** - **4**].
Tunisia: Djebel Ank mine: Vaughan, Tom; Vaughan, Pamela: TTU: 7 [7 - **7** - **7**].

Total Specimens for 12 July 1974: 15

13 July 1974

Cameroon: Eseka: Robbins, Lynn W.: CM: 1 [1 - **1**] - Eséka: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **2**].
Ghana: Konkori, NE escarpment top: Marshall, A.G.: AMNH: 1 [1]; McWilliam, A.N.: AMNH: 2 [2 - **3** - **3**].

Total Specimens for 13 July 1974: 5

14 July 1974

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].
Kenya: Kibwezi, 6.5 mi N, 10.5 mi E: O'Shea, Thomas J.: NAU: 1 [1 - **1** - **1**].
Tunisia: M'Dilla abandoned Phosphate mines: Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **6** - **6**].

Total Specimens for 14 July 1974: 9

15 July 1974

Ghana: Mole National Park HeadquarterS: McWilliam, A.N.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1974: 1

16 July 1974

Ghana: Mole Motel: McWilliam, A.N.: AMNH: 2 [2 - **2**] - Mole Motel, 2nd dam below: Marshall, A.G.: AMNH: 1 [1 - **1** - **3**].

Tunisia: Djebel Trozza mine: Vaughan, Tom; Vaughan, Pamela: TTU: 3 [3 - **3**] - Sbeitla, pool 40 km NW: Vaughan, Tom; Vaughan, Pamela: TTU: 15 [15 - **15** - **18**].

Total Specimens for 16 July 1974: 21

17 July 1974

Ghana: Mole Motel: Marshall, A.G.: AMNH: 1 [1 - **1** - **1**].
South Africa: Farm Rhoda 9: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Farm Rhoda 9, old mica mine: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - Tarkastad, 13 km S: ?: Collector Unknown: TM: 19 [19 - **19**] - Umdoni Park: LaVal, Richard K.: KU: 1 [1 - **1** - **24**].
Tunisia: Sbeitla, pool 40 km NW: Vaughan, Tom; Vaughan, Pamela: TTU: 2 [2 - **2** - **2**].

Total Specimens for 17 July 1974: 27

18 July 1974

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Umdoni Park: LaVal, Richard K.: KU: 2 [2 - **2** - **2**].

Total Specimens for 18 July 1974: 3

19 July 1974

Ethiopia: Forty Springs: Rupp, Hans: SMF: 22 [22 - **22** - **22**].
South Africa: Doornhoek mine: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1974: 23

20 July 1974

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Chano: : SMF: 1 [1 - **1** - **2**].

Total Specimens for 20 July 1974: 2

22 July 1974

Kenya: Kibwezi: O'Shea, Thomas J.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1974: 1

24 July 1974

Ghana: Samole Motel Camp: McWilliam, A.N.; Marshall, A.G.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1974: 1

25 July 1974

Ghana: Larabanga, near: McWilliam, A.N.: AMNH: 1 [1 - **1** - **1**].
Zambia: Choma, 12 mi [= 19 km] NW: Hayward, Bruce Joliffe: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 25 July 1974: 10

26 July 1974

Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 24 [24 - **24** - **24**].
Tunisia: Scarna mine: Vaughan, Tom; Vaughan, Pamela: TTU: 22 [22 - **22** - **22**].
Zambia: Choma, 12 mi [= 19 km] NW: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 26 July 1974: 51

28 July 1974

Tunisia: Scarna mine: Vaughan, Tom; Vaughan, Pamela: TTU: 3 [3 - **3** - **3**].

Total Specimens for 28 July 1974: 3

29 July 1974

Tunisia: Djebel Oust: Vaughan, Tom; Vaughan, Pamela: TTU: 5 [5 - **5** - **5**].

Total Specimens for 29 July 1974: 5

30 July 1974

Ghana: Bangweli Camp: McWilliam, A.N.; Marshall, A.G.: BMNH: 1 [1 - **1**] - Bungueli, near: McWilliam, A.N.: AMNH: 9 [9 - **9** - **10**].

Total Specimens for 30 July 1974: 10

31 July 1974

Tunisia: Maktar ruins: Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **6** - **6**].

Total Specimens for 31 July 1974: 6

1 August 1974

Cameroon: Unknown locality: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
Zambia: Ngwerere cave: Ansell, P.D.H.: AMS: 1 [1]; Ansell, William Frank Harding: HNHM: 6, MSB: 3, ROM: 2, UWBM: 1 [12 - **13** - **13**].
Zimbabwe: Wankie-NP: Hayward, Bruce Joliffe: FMNH: 24 [24 - **24** - **24**].

Total Specimens for 1 August 1974: 38

3 August 1974

Kenya: Mbebo Hill: Ithia, Julius M.K.: ROM: 7 [7 - **7** - **7**].
Zimbabwe: Dahlia, 4 mi [=6.5 km] E: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Wankie-NP: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **3**].

Total Specimens for 3 August 1974: 10

4 August 1974

Tanzania: Muheza: Baagøe, Hans J.: ZMUC: 16 [16 - **16** - **16**].
Zimbabwe: Dahlia, 4 mi [=6.5 km] E: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 4 August 1974: 19

5 August 1974

Zimbabwe: Dett: Hayward, Bruce Joliffe: FMNH: 31 [31 - **31** - **31**].

Total Specimens for 5 August 1974: 31

6 August 1974

Zimbabwe: Wankie-NP: Hayward, Bruce Joliffe: FMNH: 19, WNMU: 4 [23 - **23** - **23**].

Total Specimens for 6 August 1974: 23

7 August 1974

Tunisia: Djebel Rassas: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].
Zambia: Mumbwa: Ansell, William Frank Harding: ZFMK: 2 [2 - **2** - **2**].
Zimbabwe: Wankie-NP: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 7 August 1974: 5

8 August 1974

Zimbabwe: Dahlia, 5 mi [= 8 km] W: Hayward, Bruce Joliffe: FMNH: 33 [33 - **33** - **33**].

Total Specimens for 8 August 1974: 33

12 August 1974

Tunisia: Djebel Rassas: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1974: 1

13 August 1974

Zimbabwe: Zimbabwe National Park, 4 mi [=7.2 km] S: Hayward, Bruce Joliffe: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 13 August 1974: 11

14 August 1974

Cameroon: Eséka: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Tunisia: Zaghouan, 3 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1974: 2

16 August 1974

Kenya: Nyaami: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].
Tunisia: Hammam Djedidi, mine tunnel: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1974: 2

21 August 1974

Zimbabwe: Shinda Estates: RSVS: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1974: 1

23 August 1974

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 15 [15 - **15** - **15**].
Tunisia: Djebel Rassas: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4** - **4**].

Total Specimens for 23 August 1974: 19

24 August 1974

South Africa: Farm Strathfieldsaye: ?: Collector Unknown: TM: 1 [1]; Smith, Steven A.: TM: 1 [1 - **2** - **2**].

Total Specimens for 24 August 1974: 2

25 August 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Tola River: : SMF: 1 [1 - **1** - **1**].
South Africa: Cato Ridge, 3 km NE: Smith, Steven A.: TM: 1 [1 - **1**] - Umdoni Park: LaVal, Richard K.: KU: 2 [2 - **2** - **3**].

Total Specimens for 25 August 1974: 5

27 August 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
South Africa: Chase Valley: ?: Collector Unknown: TM: 1 [1 - **1**] - Karkloof Forests: SAS: TM: 1 [1]; Smith, Steven A.: TM: 1 [1 - **2** - **3**].

Total Specimens for 27 August 1974: 4

28 August 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1974: 1

29 August 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1974: 1

30 August 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 30 August 1974: 3

31 August 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1974: 1

1 September 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 3 [3 - **3** - **3**].
South Africa: Durban: Visser, John: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 September 1974: 5

2 September 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 2 September 1974: 2

3 September 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 3 September 1974: 9

4 September 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 4 September 1974: 4

5 September 1974

Cameroon: Eseka: Hulselmans, Jan; Louette, Michel: RMCA: 3 [3 - **3** - **3**].
Ethiopia: Didessa settlement: Rupp, Hans: SMF: 1 [1 - **1**] - Ghimbi: Rupp, Hans: SMF: 2 [2 - **2** - **3**].

Total Specimens for 5 September 1974: 6

6 September 1974

Ethiopia: Tola River: : SMF: 1 [1 - **1** - **1**].
South Africa: Bloemfontein: ?: Collector Unknown: NMB: 3 [3 - **3**] - Pietermaritzburg: LaVal, Richard K.: KU: 2 [2 - **2** - **5**].

Total Specimens for 6 September 1974: 6

7 September 1974

Ethiopia: Tola River: : SMF: 1 [1 - **1** - **1**].
South Africa: Philippolis: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 7 September 1974: 4

9 September 1974

Cameroon: Eséka, 6 km SE: Robbins, Lynn W.: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 9 September 1974: 4

10 September 1974

South Africa: Bloemfontein: ?: Collector Unknown: NMB: 1 [1 - **1**] - Port Durnford: LaVal, Richard K.: KU: 1 [1 - **1** - **2**].

Total Specimens for 10 September 1974: 2

11 September 1974

South Africa: Estuary Forest Reserve: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 11 September 1974: 1

12 September 1974

Cameroon: Koza: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
South Africa: Hans Merensky Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 September 1974: 2

13 September 1974

Cameroon: Koza: Hulselmans, Jan; Louette, Michel: RMCA: 8 [8 - **8** - **8**].

South Africa: Hans Merensky Nature Reserve: ?: Collector Unknown: TM: 11 [11 - **11** - **11**].

Total Specimens for 13 September 1974: 19

14 September 1974

Cameroon: Koza: Hulselmans, Jan; Louette, Michel: RMCA: 8 [8 - **8** - **8**].
South Africa: Hans Merensky Nature Reserve: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **2**].

Total Specimens for 14 September 1974: 10

15 September 1974

Cameroon: Koza: Hulselmans, Jan; Louette, Michel: RMCA: 2 [2 - **2** - **2**].
South Africa: Charter's Creek: ?: Collector Unknown: TM: 1 [1]; LaVal, Richard K.: TM: 1 [1 - **2**] - Hans Merensky Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **5**].

Total Specimens for 15 September 1974: 7

16 September 1974

Cameroon: Koza: Hulselmans, Jan; Louette, Michel: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 16 September 1974: 8

17 September 1974

Cameroon: Koza: Hulselmans, Jan; Louette, Michel: RMCA: 21 [21 - **21** - **21**].

Total Specimens for 17 September 1974: 21

18 September 1974

Cameroon: Koza: Hulselmans, Jan; Louette, Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 18 September 1974: 2

19 September 1974

Cameroon: Koza: Hulselmans, Jan; Louette, Michel: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 19 September 1974: 7

20 September 1974

Cameroon: Koza: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
South Africa: Ladybrand: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1974: 2

21 September 1974

Cameroon: Koza: Hulselmans, Jan; Louette, Michel: RMCA: 6 [6 - **6** - **6**].
South Africa: Mimbo, on Limpopo: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1974: 7

22 September 1974

Ethiopia: Abaya, lake, West bank: Largen, M.J.: BMNH: 1 [1 - **1** - **1**].
Mozambique: Pico Meponduine: : AMNH: 1 [1 - **1** - **1**].
South Africa: Mid-Illovo: Smith, Steven A.: TM: 1 [1 - **1**] - Umbumbulu: Smith, Steven A.: TM: 1 [1 - **1** - **2**].

Total Specimens for 22 September 1974: 4

23 September 1974

South Africa: Ladybrand: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1974: 1

27 September 1974

South Africa: Umdoni Park: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 27 September 1974: 2

28 September 1974

Cameroon: Tello: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1974: 1

2 October 1974

Cameroon: Tello: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1974: 1

6 October 1974

Burkina Faso: Piyiri, 7 km N: Mumford, Russell E.: ROM: 3 [3 - **3** - **3**].
Nigeria: Samaru: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1974: 4

7 October 1974

Nigeria: Samaru: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1974: 1

9 October 1974

Kenya: Diani: Barton, Otis J.: ROM: 9 [9 - **9** - **9**].

Total Specimens for 9 October 1974: 9

10 October 1974

South Africa: Pietermaritzburg: ?: Collector Unknown: TM: 2 [2]; LaVal, Richard K.: KU: 1 [1 - **3** - **3**].

Total Specimens for 10 October 1974: 3

12 October 1974

Burkina Faso: Nobéré, 2 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Cameroon: Bini, lake: Hulselmans, Jan; Louette, Michel: RMCA: 2 [2 - **2** - **2**].
South Africa: Pietermaritzburg: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].

Total Specimens for 12 October 1974: 8

13 October 1974

South Africa: Farm Dordrecht: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Total Specimens for 13 October 1974: 2

15 October 1974

South Africa: Loskop Dam Nature Reserve: ?: Collector Unknown: TM: 1 [1]; Nel, Flip: TM: 1 [1 - **2**] - Loskopdam Nature Reserve: Nel, Flip: TM: 3 [3 - **3**] - Waterberg, Farm Platbos: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **6**].

Total Specimens for 15 October 1974: 6

16 October 1974

South Africa: Waterberg, Farm Platbos: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 October 1974: 1

18 October 1974

Congo (Democratic Republic of the): Grottes Kiwakishi: Gallagher, Michael D.: HZM: 2 [2 - **2** - **2**].

South Africa: Waterberg, Farm Platbos: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1974: 3

20 October 1974

South Africa: Pietermaritzburg: LaVal, Richard K.: KU: 2 [2 - **2** - **2**].

Total Specimens for 20 October 1974: 2

22 October 1974

Congo (Democratic Republic of the): Katupila: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1974: 1

23 October 1974

Kenya: Njoro, 3 mi [= 4.8 km] W: Williams, A.E.: ROM: 2 [2 - **2** - **2**].
South Africa: Umdoni Park: LaVal, Richard K.: KU: 2 [2 - **2** - **2**].

Total Specimens for 23 October 1974: 4

24 October 1974

Kenya: Menengai Crater: Williams, A.E.: ROM: 6 [6]; Williams, A.E.; Kyongo, Robert N.: ROM: 9 [9 - **15** - **15**].
Tunisia: Djebel Rassas: Vaughan, Tom; Vaughan, Pamela: TTU: 18 [18 - **18** - **18**].

Total Specimens for 24 October 1974: 33

26 October 1974

Kenya: Mukanda Stream: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1974: 1

27 October 1974

Kenya: Mukanda Stream: Ithia, Julius M.K.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 27 October 1974: 4

28 October 1974

Congo (Democratic Republic of the): Mulongo: Gallagher, Michael D.: HZM: 46 [46 - **46** - **46**].
Kenya: Kakamega Forest: Ithia, Julius M.K.: CUMV: 1 [1]; Williams, A.E.; Kyongo, Robert N.: ROM: 9 [9 - **10**] - Mukanda Stream: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - Rondo forest: Kyongo, Robert N.; Williams, A.: ROM: 1 [1 - **1** - **12**].
South Africa: Port Durnford: LaVal, Richard K.: KU: 3 [3 - **3** - **3**].

Total Specimens for 28 October 1974: 61

30 October 1974

Burkina Faso: Nobéré, 2 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Mulongo: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].
South Africa: Farm Makapansgat, Pepercorn's cave: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 30 October 1974: 5

31 October 1974

Congo (Democratic Republic of the): Mulongo: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].
South Africa: Nyalazi Forest Reserve: ?: Collector Unknown: TM: 1 [1]; LaVal, Richard K.: KU: 2 [2 - **3** - **3**].

Total Specimens for 31 October 1974: 4

1 November 1974

Congo (Democratic Republic of the): Manono: Gallagher, Michael D.: HZM: 2 [2 - **2** - **2**].
Kenya: Kakamega Forest: Williams, A.E.; Kyongo, Robert N.: ROM: 2 [2 - **2**] - Njoro, 3 mi [= 4.8 km] W: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 1 November 1974: 5

2 November 1974

South Africa: St. Lucia: LaVal, Margareth L.: KU: 1 [1]; LaVal, Richard K.: KU: 1 [1 - **2** - **2**].

Total Specimens for 2 November 1974: 2

3 November 1974

Congo (Democratic Republic of the): Ankoro: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].
Kenya: Mukanda Stream: Ithia, Julius M.K.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 3 November 1974: 3

4 November 1974

Kenya: Kakamega Forest: Williams, A.E.; Kyongo, Robert N.: ROM: 8 [8 - **8** - **8**].

Total Specimens for 4 November 1974: 8

5 November 1974

Kenya: Kakamega Forest: Ithia, Julius M.K.: CUMV: 1 [1]; Williams, A.E.; Kyongo, Robert N.: ROM: 11 [11 - **12**] - Kyanguli area: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **13**].

Total Specimens for 5 November 1974: 13

6 November 1974

Kenya: Kakamega Forest: Ithia, Julius M.K.: CUMV: 1 [1]; Williams, A.E.; Kyongo, Robert N.: ROM: 6 [6 - **7**] - Rondo forest: Kyongo, Robert N.; Williams, A.: ROM: 1 [1 - **1** - **8**].

Total Specimens for 6 November 1974: 8

7 November 1974

Congo (Democratic Republic of the): Kongolo: Gallagher, Michael D.: HZM: 16 [16 - **16** - **16**].

Total Specimens for 7 November 1974: 16

8 November 1974

Congo (Democratic Republic of the): Kongolo: Gallagher, Michael D.: HZM: 54 [54 - **54** - **54**].

Total Specimens for 8 November 1974: 54

9 November 1974

Congo (Democratic Republic of the): Kongolo: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].
Kenya: Lukore area: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].
South Africa: Ten Bosch Estates: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **11** - **11**].

Total Specimens for 9 November 1974: 13

10 November 1974

Kenya: Morok River: Williams, A.E.: ROM: 8 [8 - **8** - **8**].
South Africa: Ten Bosch Estates: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].

Total Specimens for 10 November 1974: 12

11 November 1974

Kenya: Morok River: Williams, A.E.: ROM: 11 [11 - **11** - **11**].
South Africa: Ten Bosch Estates: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **2**].

Total Specimens for 11 November 1974: 13

12 November 1974

South Africa: Ten Bosch Estates: ?: Collector Unknown: TM: 20 [20 - **20** - **20**].

Total Specimens for 12 November 1974: 20

13 November 1974

Kenya: Kakamega Forest: Williams, A.E.; Kyongo, Robert N.: ROM: 10 [10 - **10**] - Rondo forest: Kyongo, Robert N.; Williams, A.: ROM: 1 [1 - **1** - **11**].
South Africa: Cullinan: ?: Collector Unknown: TM: 1 [1 - **1**] - Pretoria Zoo: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Tunisia: Kheredine: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1974: 14

14 November 1974

Congo (Democratic Republic of the): Scierie Forest: Gallagher, Michael D.: BMNH: 1 [1 - **1** - **1**].
South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1974: 2

15 November 1974

South Africa: Umdoni Park: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].
Tanzania: Muanza: Easton, Emmett R.: AMNH: 14 [14 - **14** - **14**].

Total Specimens for 15 November 1974: 15

17 November 1974

South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].

Total Specimens for 17 November 1974: 3

18 November 1974

Congo (Democratic Republic of the): Isai River: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1974: 1

19 November 1974

Burkina Faso: Nobere, 12 km S: Mumford, Russell E.: ROM: 3 [3 - **3**] - Nobéré, 12 km S: Heisterberg, B.L.: AMNH: 1 [1 - **1** - **4**].
South Africa: Farm Othawo 242, Sabie Sand Private Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1974: 5

20 November 1974

Burkina Faso: Nobere, 12 km S: Mumford, Russell E.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 20 November 1974: 4

21 November 1974

South Africa: Farm Randstephane 455 KQ [=Farm Donkerpoort 448], Zandspruit Caves: Van der Merwe, Mac: TM: 1 [1 - **1**] - Umdoni Park: LaVal, Richard K.: KU: 2 [2 - **2** - **3**].

Total Specimens for 21 November 1974: 3

22 November 1974

Congo (Democratic Republic of the): Scierie Forest: Gallagher, Michael D.: HZM: 2 [2 - **2** - **2**].
South Africa: Umdoni Park: LaVal, Richard K.: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1974: 3

23 November 1974

South Africa: Umdoni, near: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1974: 1

24 November 1974

Congo (Democratic Republic of the): Sciere Forest: Gallagher, Michael D.: HZM: 3 [3 - **3** - **3**].

Total Specimens for 24 November 1974: 3

26 November 1974

Kenya: Marigat: Williams, A.E.: ROM: 11 [11 - **11** - **11**].

Total Specimens for 26 November 1974: 11

28 November 1974

Kenya: Marigat: Williams, A.E.: ROM: 9 [9 - **9**] - Marigat, Perakera River: Williams, A.E.: ROM: 3 [3 - **3**] - Ngambo: Williams, A.E.: ROM: 16 [16 - **16** - **28**].

Total Specimens for 28 November 1974: 28

29 November 1974

Kenya: Kampy Ya Samaki, 2 mi S: Williams, A.E.: ROM: 1 [1 - **1**] - Ngambo: Williams, A.E.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 29 November 1974: 2

1 December 1974

Kenya: Molo river: Williams, A.E.: ROM: 31 [31 - **31** - **31**].
South Africa: Farm Enkeldoornspoort 207: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1**] - Pietermaritzburg: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 1 December 1974: 33

7 December 1974

South Africa: Rocher Pan Nature Reserve [=Rocher pan, Rocherpan]: Cruikshank, R.: SAMC: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1974: 1

8 December 1974

Congo (Democratic Republic of the): Avakubi, near: Gallagher, Michael D.: HZM: 1 [1 - **1**] - Ituri River, Bridge: Gallagher, Michael D.: HZM: 3 [3 - **3** - **4**].

Total Specimens for 8 December 1974: 4

9 December 1974

Congo (Democratic Republic of the): Avakubi, near: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].
South Africa: Hans Merensky Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1**] - Pietermaritzburg: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
South Sudan: Shambe: Archer, T.; Sutton, J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1974: 4

10 December 1974

Central African Republic: M'Baikie: Robbins, Lynn W.: CM: 4 [4 - **4** - **4**].
Congo (Democratic Republic of the): Avakubi, near: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1974: 5

11 December 1974

South Africa: Farm Leeuwspoor 647, on Pongola river: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1974: 1

12 December 1974

Central African Republic: M'Baikie: Robbins, Lynn W.: CM: 2 [2 - **2** - **2**].
South Africa: Rocher Pan Nature Reserve [=Rocher pan, Rocherpan]: Cruikshank, R.: SAMC: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1974: 3

13 December 1974

South Africa: Farm Leeuwspoor 647, on Pongola river: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Leeuwspoor 647, on Pongola Road: ?: Collector Unknown: TM: 8 [8 - **8** - **9**].

Total Specimens for 13 December 1974: 9

14 December 1974

South Africa: Nyalazi Forest Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1974: 1

16 December 1974

Congo (Democratic Republic of the): Isai River: Gallagher, Michael D.: HZM: 6 [6 - **6** - **6**].
Mozambique: Zinave: : AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1974: 7

18 December 1974

Congo (Democratic Republic of the): Isai River: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].
South Africa: Farm Roodepoort 386: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 4 [4 - **4**] - Mission Rocks Bat Cave: ?: Collector Unknown: TM: 1 [1 - **1** - **5**].

Total Specimens for 18 December 1974: 6

19 December 1974

Congo (Democratic Republic of the): Isai River: Gallagher, Michael D.: HZM: 6 [6 - **6** - **6**].

Total Specimens for 19 December 1974: 6

23 December 1974

Tanzania: Serengeti Research Institute: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1974: 1

27 December 1974

Central African Republic: Bangassou: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Weko Forest: Gallagher, Michael D.: HZM: 12 [12 - **12** - **12**].

Total Specimens for 27 December 1974: 13

1 January 1975

Cameroon: Unknown locality: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 2 [2 - **2** - **2**].
Egypt: Abbassia: Wassif, Kamal: ZMA: 1 [1 - **1** - **1**].
Ethiopia: Sidon: Yalden, Derek; Morris, P.; Largen, M.J.: BMNH: 2 [2 - **2** - **2**].
Kenya: Kakamega Forest: Mumford, Russell E.: ROM: 3 [3 - **3** - **3**].
Morocco: Unknown locality: Dachsel, M.: SMF: 1 [1 - **1** - **1**].
South Africa: Durbanville: Visser, John: AMNH: 1 [1 - **1**] - Hout Bay: Visser, John: AMNH: 1 [1 - **1** - **2**].
Togo: no specific locality: : SMF: 1 [1 - **1** - **1**].
Tunisia: Djebel Rassas: ?: Collector Unknown: TTU: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1975: 13

2 January 1975

Kenya: Mukanda Stream: Ithia, Julius M.K.: ROM: 3 [3 - **3**] - Shimoni: Ithia, Julius M.K.: ROM: 20 [20 - **20** - **23**].
South Africa: Letaba: LaVal, Richard K.: KU: 6 [6 - **6** - **6**].

Total Specimens for 2 January 1975: 29

3 January 1975

Kenya: Mukanda Stream: Ithia, Julius M.K.: ROM: 34 [34 - **34** - **34**].
South Africa: Victoria West: Visser, John: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 3 January 1975: 36

4 January 1975

Congo (Democratic Republic of the): Yangambi: Gallagher, Michael D.: HZM: 6 [6 - **6** - **6**].

Total Specimens for 4 January 1975: 6

5 January 1975

Tunisia: Utica ruins: Vaughan, Tom; Vaughan, Pamela: TTU: 3 [3 - **3** - **3**].

Total Specimens for 5 January 1975: 3

6 January 1975

Congo (Democratic Republic of the): Kisingani: Gallagher, Michael D.: HZM: 2 [2 - **2** - **2**].
Namibia: E Kamombonde 86: Lester, L.A.: LACM: 6 [6 - **6**] - E. Kamombonde 86: Lester, L.A.: AMNH: 1 [1 - **1** - **7**].

Total Specimens for 6 January 1975: 9

7 January 1975

Namibia: E Kamombonde 86: Lester, L.A.: LACM: 9 [9 - **9** - **9**].

Total Specimens for 7 January 1975: 9

9 January 1975

Namibia: Eausiro W 100: Lester, L.A.: LACM: 1 [1 - **1** - **1**].
South Africa: Ladybrand: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1975: 2

10 January 1975

South Africa: Umdoni Caravan Park: ?: Collector Unknown: TM: 1 [1 - **1**] - Umdoni Park: LaVal, Richard K.: KU: 1 [1 - **1** - **2**].

Total Specimens for 10 January 1975: 2

11 January 1975

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Umdoni Park: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1975: 2

13 January 1975

Congo (Democratic Republic of the): Kisingani: Gallagher, Michael D.: HZM: 2 [2 - **2** - **2**].
Côte d'Ivoire: Lamto: Vuattoux, René: HNHM: 1 [1 - **1** - **1**].
Tunisia: Zaghouan, 3 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4** - **4**].

Total Specimens for 13 January 1975: 7

15 January 1975

Congo (Democratic Republic of the): Kinshasa: Gallagher, Michael D.: HZM: 38 [38 - **38** - **38**].

Total Specimens for 15 January 1975: 38

16 January 1975

Burkina Faso: Nobere, 11 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kinshasa: Gallagher, Michael D.: HZM: 2 [2 - **2** - **2**].

Total Specimens for 16 January 1975: 3

18 January 1975

South Africa: Mission Rocks Bat Cave: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1975: 1

19 January 1975

South Africa: Mission Rocks Bat Cave: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1975: 1

20 January 1975

Burkina Faso: Park National de Pô: Mumford, Russell E.: ROM: 2 [2 - **2**] - Red Volta River: Heisterberg, Jon F.: AMNH: 1 [1 - **1** - **3**].
South Africa: Schurweberg caves: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 20 January 1975: 6

21 January 1975

Burkina Faso: Park National de Pô: Mumford, Russell E.: ROM: 4 [4 - **4** - **4**].
Sudan: Dilling: El Rayah, M.A.: ROM: 36 [36 - **36** - **36**].
Tunisia: Oudna Station, 1 km SE: Vaughan, Tom; Vaughan, Pamela: TTU: 3 [3 - **3** - **3**].

Total Specimens for 21 January 1975: 43

22 January 1975

Burkina Faso: Nobéré, 2 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1975: 1

25 January 1975

Burkina Faso: Nobéré, 2 km S: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
South Africa: Farm Rietgat, plot 102: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1975: 2

31 January 1975

Morocco: Dcheira: Kock, Dieter: SMF: 3 [3 - **3** - **3**].

Total Specimens for 31 January 1975: 3

1 February 1975

Kenya: Ferguson's Gulf: Aggundey, Issa R.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1975: 1

6 February 1975

Sierra Leone: Aberdeen Village: Pitt, D.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 6 February 1975: 5

9 February 1975

Cameroon: Zoulabot II: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 4 [4 - **4** - **4**].
South Africa: Farm Naerina: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **3** - **3**].

Total Specimens for 9 February 1975: 7

10 February 1975

Cameroon: Zoulabot II: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 10 February 1975: 8

11 February 1975

Congo (Democratic Republic of the): Kiligi: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].
South Africa: Farm Cyprus 68: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1975: 3

12 February 1975

Cameroon: Zoulabot II: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 5 [5 - **5** - **5**].
South Africa: Farm Cyprus 68: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5**] - Matlapitsi Caves: ?: Collector Unknown: TM: 12 [12 - **12** - **17**].

Total Specimens for 12 February 1975: 22

14 February 1975

Cameroon: Zoulabot II: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 14 February 1975: 5

15 February 1975

South Africa: Stormsriver State Forest Station: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1975: 1

16 February 1975

Cameroon: Zoulabot II: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 2 [2 - **2** - **2**].
South Africa: De Hoop Private Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **11** - **11**].

Total Specimens for 16 February 1975: 13

17 February 1975

South Africa: Nyalazi Forest Reserve: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].

Total Specimens for 17 February 1975: 6

18 February 1975

South Africa: Eshowe: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1975: 1

19 February 1975

Cameroon: Mang: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 19 February 1975: 9

20 February 1975

Cameroon: Mang: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 20 February 1975: 5

21 February 1975

Cameroon: Mang: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 21 February 1975: 3

22 February 1975

Cameroon: Mang: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 22 February 1975: 5

23 February 1975

Cameroon: Mang: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 4 [4 - **4** - **4**].
South Africa: Port Durnford Forest Reserve: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1975: 5

24 February 1975

Cameroon: Mang: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 24 February 1975: 4

26 February 1975

South Africa: Pietermaritzburg: ?: Collector Unknown: TM: 1 [1 - **1**] - Victoria West: Visser, John: AMNH: 1 [1 - **1** - **2**].
Tunisia: Zaghouan, 3 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1975: 3

28 February 1975

Namibia: Namibia Desert Research Station [= DERU]: ?: Collector Unknown: NHMZ: 1 [1]; Wright, Peter J.: NHMZ: 1 [1 - **2** - **2**].

Total Specimens for 28 February 1975: 2

2 March 1975

Cameroon: Lomié: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 1 [1 - **1** - **1**].
South Africa: Pietermaritzburg: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tanzania: Ilonga Research and Training Centre: Lambert, R.R.K.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1975: 3

3 March 1975

Angola: Caimbambo: Visser, John: AMNH: 3 [3 - **3** - **3**].
South Africa: Hout Bay: Visser, John: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1975: 4

4 March 1975

Cameroon: Lomié: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 4 March 1975: 2

6 March 1975

South Africa: Umdoni Park: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1975: 1

7 March 1975

Cameroon: Djaposten: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 12 [12 - **12** - **12**].
Zimbabwe: Hostes Nicoll Research Institute: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1975: 13

8 March 1975

Cameroon: Djaposten: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 8 March 1975: 4

9 March 1975

Zimbabwe: Hostes Nicoll Research Institute: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1975: 1

11 March 1975

Ethiopia: Kelam: Ash, John S.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 11 March 1975: 3

12 March 1975

Ethiopia: Kelam: Ash, John S.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 12 March 1975: 3

14 March 1975

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1975: 1

16 March 1975

Cameroon: Campo: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 33 [33 - **33** - **33**].
South Africa: Nyalazi Forest Reserve: ?: Collector Unknown: TM: 1 [1]; LaVal, Richard K.: KU: 1 [1 - **2** - **2**].

Total Specimens for 16 March 1975: 35

17 March 1975

Cameroon: Campo: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 17 March 1975: 11

18 March 1975

Congo (Democratic Republic of the): Mudina Ndemba: Betu Nsankulu: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 18 March 1975: 6

23 March 1975

Congo (Democratic Republic of the): Tshimputu: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
South Africa: Pietermaritzburg: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1975: 2

24 March 1975

Tunisia: Grotte aux Chauves-souris: Wiersema, G.J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1975: 1

25 March 1975

South Africa: Pietermaritzburg: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1975: 1

27 March 1975

Nigeria: Yankari: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 27 March 1975: 2

3 April 1975

Tunisia: Entouna mine: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1975: 1

7 April 1975

Nigeria: Samaru: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 7 April 1975: 2

9 April 1975

South Africa: Port Durnford Forest Reserve: LaVal, Richard K.: KU: 2 [2 - **2** - **2**].

Total Specimens for 9 April 1975: 2

10 April 1975

Nigeria: Samaru: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2**] - Zaria, north central: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **3**].
Zimbabwe: Frogmore: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Total Specimens for 10 April 1975: 5

11 April 1975

Zimbabwe: Frogmore: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1975: 1

12 April 1975

Congo (Democratic Republic of the): Kilibozi: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
South Africa: Nyalazi Forest Reserve: LaVal, Richard K.: KU: 2 [2 - **2** - **2**].

Total Specimens for 12 April 1975: 3

13 April 1975

Nigeria: Samaru: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2**] - Zaria, north central: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 13 April 1975: 3

14 April 1975

South Africa: Charter's Creek: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 14 April 1975: 2

15 April 1975

South Africa: Letaba Ranch: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1975: 1

16 April 1975

South Africa: Letaba Ranch: Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **9** - **9**].

Total Specimens for 16 April 1975: 9

17 April 1975

South Africa: Letaba Ranch: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **5** - **5**].

Total Specimens for 17 April 1975: 5

18 April 1975

Kenya: Kyamunyu: Kyongo, Robert N.: CUMV: 1 [1 - **1** - **1**].
Namibia: Autabib 100: Griffin, M.R.: LACM: 3 [3 - **3** - **3**].
South Africa: Umdoni Park: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1975: 5

19 April 1975

South Africa: Letaba Ranch: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Tunisia: Ain Draham, 5 km NE: Vaughan, Tom; Vaughan, Pamela: TTU: 7 [7 - **7** - **7**].

Total Specimens for 19 April 1975: 8

24 April 1975

Zimbabwe: Wankie-NP: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1975: 1

25 April 1975

Tunisia: Djebel Zaghouan, cave at Poste Optique: Smail, A.B.: TTU: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1975: 1

26 April 1975

Tunisia: Djebel Zaghouan, 4 km W Poste Optique: Vaughan, Tom; Vaughan, Pamela: TTU: 8 [8 - **8**] - Djebel Zaghouan, cave at Poste Optique: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1**] - Zaghouan, 3 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4** - **13**].

Total Specimens for 26 April 1975: 13

30 April 1975

Tunisia: Djebel Zaghouan, 4 km W Poste Optique: Khadhari, Dridi: TTU: 2 [2]; Smail, A.B.: TTU: 1 [1 - **3**] - Djebel Zaghouan, cave at Poste Optique: Shrimplin, J.: TTU: 1 [1]; Smail, A.B.: TTU: 1 [1]; Vaughan, Tom; Vaughan, Pamela: TTU: 8 [8 - **10**] - Zaghouan, 3 km S: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4** - **17**].

Total Specimens for 30 April 1975: 17

1 May 1975

Senegal: Missirah Saloum: Verschuren, Jacques: RBINS: 9 [9 - **9** - **9**].
Zimbabwe: Mutare: ?: Collector Unknown: TM: 1 [1]; LaVal, Richard K.: KU: 8 [8 - **9** - **9**].

Total Specimens for 1 May 1975: 18

4 May 1975

Tunisia: Bat cave: Vaughan, Tom; Vaughan, Pamela: TTU: 2 [2 - **2**] - Cape Bon: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - El Haouaria, 4 km NE: Vaughan, Tom; Vaughan, Pamela: USNM: 1 [1 - **1** - **4**].

Total Specimens for 4 May 1975: 4

8 May 1975

Tunisia: Djebel Rassas: Smail, A.B.: TTU: 4 [4]; Vaughan, Tom; Vaughan, Pamela: TTU: 12 [12 - **16** - **16**].

Total Specimens for 8 May 1975: 16

9 May 1975

South Africa: Farm Sparta: Norton, Peter M.: KNP: 1 [1 - **1** - **1**].
Tunisia: Djebel Besass: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 9 May 1975: 4

10 May 1975

Kenya: Konza area: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1975: 1

11 May 1975

Tunisia: Ain Draham, 5 km NE: Smail, A.B.: TTU: 1 [1 - **1**] - Nefza, 6 km W: Hayward, Bruce Joliffe: FMNH: 2, TTU: 1 [3]; Khadhari, Dridi: TTU: 1 [1 - **4**] - Ras Rajel Cemetery: Khadhari, Dridi: TTU: 6 [6 - **6**] - Ras Rajel cemetery, mine at W edge: Smail, A.B.: TTU: 7 [7 - **7** - **18**].

Total Specimens for 11 May 1975: 18

15 May 1975

Congo (Democratic Republic of the): Kibanda: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 May 1975: 2

16 May 1975

Kenya: Kamuani: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - Kamuani Area: Ithia, Julius M.K.: CUMV: 3 [3 - **3** - **4**].

Total Specimens for 16 May 1975: 4

17 May 1975

Congo (Democratic Republic of the): Butembo: Lejeune, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 May 1975: 1

20 May 1975

Congo (Democratic Republic of the): Butembo: Lejeune, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 May 1975: 1

21 May 1975

Congo (Democratic Republic of the): Butembo: Lejeune, M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1975: 1

23 May 1975

Congo (Democratic Republic of the): Tshimputu: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 23 May 1975: 3

25 May 1975

Congo (Democratic Republic of the): Butembo: Lejeune, M.: RMCA: 1 [1 - **1** - **1**].
Kenya: Unknown locality: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].
Tunisia: Stil Date Grove: Hatward, B J: TTU: 1 [1 - **1**] - Tozeur, 12 km N: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **3**].

Total Specimens for 25 May 1975: 5

27 May 1975

Tunisia: near Aioun Ameur: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - on road to Aioun Ameur, cave with mine: Dridi, K.: TTU: 5 [5]; Smail, A.B.: TTU: 1 [1]; Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **10**] - on road to Aioun Ameur, cave with mine, mistnetted at high roost: Hayward, Bruce Joliffe: TTU: 1 [1 - **1**] - on road to Aioun Ameur, night roost in escarpment: Hayward, Bruce Joliffe: TTU: 1 [1 - **1**] - Redeyef, 4 km S: Hayward, Bruce Joliffe: TTU: 4 [4]; Khadhari, Dridi: TTU: 6 [6]; Smail, A.B.: TTU: 2 [2]; Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **18** - **33**].

Total Specimens for 27 May 1975: 33

28 May 1975

Tunisia: Hadjeb el Aioun pool, near: Smail, A.B.: TTU: 2 [2 - **2** - **2**].

Total Specimens for 28 May 1975: 2

29 May 1975

Kenya: Shimilani: De Vree, Frits: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 29 May 1975: 2

30 May 1975

Malawi: Cape Maclear: Robbins, Lynn W.: CM: 7, FMNH: 5 [12 - **12**] - MacLear, cape: Robbins, Lynn W.: CM: 2 [2 - **2** - **14**].

Total Specimens for 30 May 1975: 14

31 May 1975

Malawi: Cape Maclear: Robbins, Lynn W.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 May 1975: 1

1 June 1975

Congo (Democratic Republic of the): Butembo: Lejeune, M.: RMCA: 1 [1 - **1** - **1**].
South Africa: Manzengwenya Forest Station: ?: Collector Unknown: TM: 2 [2 - **2**] - Stellenbosch: Visser, John: AMNH: 2 [2 - **2**] - The Downs: Jacobsen, N.J.: TM: 1 [1 - **1** - **5**].

Total Specimens for 1 June 1975: 6

4 June 1975

South Africa: John Nash Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1975: 1

7 June 1975

Congo (Democratic Republic of the): Butembo: Lejeune, M.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 7 June 1975: 2

8 June 1975

South Africa: 40 km N Polokwane [=Pietersburg], on Louis Trichard Road: Branch, William [="Bill"] R.: TM: 2 [2 - **2**] - on Louis Trichard Road: Branch, William [="Bill"] R.: TM: 5 [5 - **5** - **7**].

Total Specimens for 8 June 1975: 7

12 June 1975

Kenya: Kamuani: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - Kamuani Area: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **2**].

Total Specimens for 12 June 1975: 2

13 June 1975

Sudan: Khartoum: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1975: 1

15 June 1975

Zimbabwe: Concession, 10 km NW: Robbins, Lynn W.: CM: 2 [2 - **2**] - Kariba, 6 km E: Robbins, Lynn W.: CM: 2 [2 - **2** - **4**].

Total Specimens for 15 June 1975: 4

18 June 1975

Zimbabwe: Kariba, 6 km E: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1975: 1

20 June 1975

South Africa: American cave: Norton, Peter M.: TM: 4 [4 - **4** - **4**].

Total Specimens for 20 June 1975: 4

25 June 1975

South Africa: Nylsvlei Nature Reserve: Jacobsen, N.J.: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **2**].

Total Specimens for 25 June 1975: 2

1 July 1975

Madagascar: Nosy Be, Centre ORSTOM: Stequert, B.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 1 July 1975: 2

15 July 1975

Ethiopia: Didessa settlement: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1975: 1

18 July 1975

Kenya: Kakamega Forest: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1975: 1

19 July 1975

Kenya: Similani cave: Aggundey, Issa R.: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 19 July 1975: 5

8 August 1975

Zimbabwe: Dahlia, 5 mi [= 8 km] W: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1975: 1

9 August 1975

Cameroon: Touroua: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 9 August 1975: 2

12 August 1975

Tunisia: Djebel Rassas: Vaughan, Tom; Vaughan, Pamela: TTU: 2 [2 - **2** - **2**].

Total Specimens for 12 August 1975: 2

23 August 1975

Nigeria: Ikoyi: Brownlow, I.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1975: 1

24 August 1975

Nigeria: Ikoyi: Brownlow, I.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1975: 1

28 August 1975

South Africa: Fauresmith: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1975: 1

2 September 1975

Kenya: Coast [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1975: 1

17 September 1975

Ethiopia: Koka: Ash, John S.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1975: 1

18 September 1975

Kenya: Kamuani Area: Ithia, Julius M.K.: CUMV: 5 [5 - **5**] - Kyanguli: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **6**].

Total Specimens for 18 September 1975: 6

19 September 1975

Kenya: Kamuani: Ithia, Julius M.K.: CUMV: 7 [7 - **7**] - Kyanguli: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **8**].

Total Specimens for 19 September 1975: 8

20 September 1975

Ethiopia: Koka: Ash, John S.: SMF: 1 [1 - **1** - **1**].
Kenya: Kyanguli: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1975: 2

21 September 1975

Kenya: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Ruaraka: De Vree, Frits; Kock, Dieter: SMF: 1 [1 - **1** - **2**].
Seychelles: Aldabra Research Station: Wilson, J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1975: 3

22 September 1975

Kenya: Ruaraka: ?: Collector Unknown: SMF: 4 [4]; Kock, Dieter: SMF: 1 [1 - **5** - **5**].

Total Specimens for 22 September 1975: 5

23 September 1975

Kenya: Kamuani: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - Nairobi: Mumford, Russell E.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 23 September 1975: 2

25 September 1975

Kenya: Kiboko: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - Nairobi: Mumford, Russell E.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 25 September 1975: 2

27 September 1975

Ethiopia: Koka: Nikolaus, Gerhard: SMF: 1 [1 - **1** - **1**].
Kenya: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Kimakia cave: De Vree, Frits: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 27 September 1975: 4

28 September 1975

Kenya: Buffalo Springs natural reserve: Kock, Dieter; Mumford, Russell E.: SMF: 1 [1 - **1**] - Kiboko: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Shimoni: Koopman, Karl Friedrich: AMNH: 3 [3 - **3** - **6**].

Total Specimens for 28 September 1975: 6

29 September 1975

Kenya: Unknown locality: ?: Collector Unknown: SMF: 10 [10 - **10**] - Buffalo Springs Camp: : SMF: 1 [1 - **1**] - Nairobi: Williams, John George: ROM: 1 [1 - **1**] - Shimilani: De Vree, Frits: RMCA: 12 [12 - **12**] - Similani cave: Koopman, Karl Friedrich: AMNH: 17 [17 - **17** - **41**].

Total Specimens for 29 September 1975: 41

30 September 1975

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3**] - Afdem: Nikolaus, Gerhard: SMF: 2 [2 - **2** - **5**].
Kenya: Nairobi: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1975: 6

1 October 1975

Egypt: Bahig: Barker, Robert H.: YPM: 1 [1 - **1** - **1**].
Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Kenya: Ithundu cave: ?: Collector Unknown: OMNH: 1 [1]; Williams, John George; Glen, Robert M.: ROM: 2 [2 - **3** - **3**].

Total Specimens for 1 October 1975: 5

2 October 1975

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 2 October 1975: 3

3 October 1975

Ethiopia: Fafan River: : SMF: 1 [1 - **1** - **1**].
Uganda: Masaka district: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1975: 2

4 October 1975

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 4 October 1975: 2

5 October 1975

Kenya: Menengai Crater, Mengengai cave: Mumford, Russell E.: ROM: 1 [1 - **1**] - Njoro: Mumford, Russell E.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 5 October 1975: 2

6 October 1975

Kenya: Karen: Williams, John George: ROM: 5 [5 - **5** - **5**].

Total Specimens for 6 October 1975: 5

7 October 1975

Kenya: Nakuru, 5 km WSW: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1975: 1

8 October 1975

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].
Zimbabwe: Bembesi: W: FMNH: 15 [15 - **15** - **15**].

Total Specimens for 8 October 1975: 19

10 October 1975

Kenya: Ruiru: Mumford, Russell E.: ROM: 6 [6]; Williams, John George: ROM: 7 [7 - **13** - **13**].

Total Specimens for 10 October 1975: 13

12 October 1975

Ethiopia: Afdem: Nikolaus, Gerhard: SMF: 1 [1 - **1** - **1**].
Kenya: Hunter's Lodge, near: Williams, John George: ROM: 3 [3 - **3**] - Kiboko cave: Mumford, Russell E.: ROM: 2 [2 - **2**] - Makindu: Williams, John George: ROM: 1 [1 - **1**] - Makindu cave: Mumford, Russell E.: ROM: 9 [9 - **9** - **15**].

Total Specimens for 12 October 1975: 16

13 October 1975

Kenya: Tiwi: Mumford, Russell E.: ROM: 3 [3]; Williams, John George: ROM: 4 [4 - **7** - **7**].

Total Specimens for 13 October 1975: 7

14 October 1975

Kenya: Tiwi: Mumford, Russell E.: ROM: 16 [16]; Williams, John George: ROM: 15 [15 - **31** - **31**].

Total Specimens for 14 October 1975: 31

15 October 1975

Kenya: Gazi: Mumford, Russell E.: ROM: 3 [3]; Williams, John George: ROM: 2 [2 - **5**] - Similani cave: Mumford, Russell E.: ROM: 10 [10]; Williams, John George: ROM: 41 [41 - **51** - **56**].

Total Specimens for 15 October 1975: 56

16 October 1975

Kenya: Tiwi: Mumford, Russell E.: ROM: 14 [14]; Williams, John George: ROM: 9 [9 - **23**] - Tiwi Beach: Mumford, Russell E.; *et al.*: AMNH: 1 [1 - **1** - **24**].

Total Specimens for 16 October 1975: 24

18 October 1975

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Doki River Bridge: : SMF: 1 [1 - **1** - **2**].

Total Specimens for 18 October 1975: 2

19 October 1975

Ethiopia: Jimma, 5 km E: ?: Collector Unknown: SMF: 1 [1]; Nikolaus, Gerhard: SMF: 4 [4 - **5** - **5**].

Total Specimens for 19 October 1975: 5

20 October 1975

Ethiopia: Jimma, 5 km E: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1975: 1

21 October 1975

South Africa: New Muckleneuk: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1975: 1

22 October 1975

Kenya: Naro Moru: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1975: 1

24 October 1975

Cameroon: Kumba: Wilson, Don Ellis: USNM: 4 [4 - **4** - **4**].

Total Specimens for 24 October 1975: 4

25 October 1975

Cameroon: Kumba: Wilson, Don Ellis: USNM: 4 [4 - **4**] - Lake Barombi: Wilson, Don Ellis: USNM: 1 [1 - **1** - **5**].

Total Specimens for 25 October 1975: 5

26 October 1975

Cameroon: Kumba: Wilson, Don Ellis: USNM: 5 [5 - **5** - **5**].

Total Specimens for 26 October 1975: 5

27 October 1975

Cameroon: Kumba, 19 km S: Wilson, Don Ellis: USNM: 6 [6 - **6** - **6**].
Ethiopia: Doki River Bridge: Nikolaus, Gerhard: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1975: 7

29 October 1975

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 6 [6 - **6**] - Doki River Bridge: Nikolaus, Gerhard: SMF: 5 [5 - **5** - **11**].

Total Specimens for 29 October 1975: 11

30 October 1975

Uganda: Kisoro: Killango, A.B.C.: SMF: 2 [2 - **2**] - Kisoro district: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Total Specimens for 30 October 1975: 3

31 October 1975

Uganda: Kisoro: Killango, A.B.C.: SMF: 1 [1 - **1**] - Kisoro district: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 31 October 1975: 2

1 November 1975

Cameroon: Khmba [=? Kumba?]: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Total Specimens for 1 November 1975: 3

5 November 1975

Ethiopia: Jimma, 5 km E: Nikolaus, Gerhard: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1975: 1

6 November 1975

Tanzania: Shinyanga region: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1975: 1

10 November 1975

Cameroon: Tisongo, Lake: Wilson, Don Ellis: USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1975: 1

12 November 1975

Cameroon: Kumba: Wilson, Don Ellis: USNM: 1 [1 - **1**] - Tisongo, Lake: Wilson, Don Ellis: USNM: 9 [9 - **9** - **10**].

Total Specimens for 12 November 1975: 10

13 November 1975

Cameroon: Tisongo, Lake: Wilson, Don Ellis: USNM: 5 [5 - **5** - **5**].

Total Specimens for 13 November 1975: 5

14 November 1975

Cameroon: Tisongo, Lake: Wilson, Don Ellis: USNM: 3 [3 - **3** - **3**].

Total Specimens for 14 November 1975: 3

15 November 1975

Cameroon: Tisongo, Lake: Wilson, Don Ellis: USNM: 4 [4 - **4** - **4**].

Total Specimens for 15 November 1975: 4

16 November 1975

Botswana: Xugana: Archer, A.L.; Williams, A.E.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 16 November 1975: 3

17 November 1975

Botswana: Xugana: Archer, A.L.; Williams, A.E.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 17 November 1975: 2

18 November 1975

Botswana: Xugana: Archer, A.L.; Williams, A.E.: USNM: 1 [1 - **1** - **1**].
Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Didessa river bridge: : SMF: 4 [4 - **4** - **5**].
Kenya: Kakamega Forest: Williams, John George: AMNH: 1, ROM: 5 [6 - **6** - **6**].

Total Specimens for 18 November 1975: 12

19 November 1975

Botswana: Xugana: Archer, A.L.; Williams, A.E.: USNM: 4 [4 - **4** - **4**].
Burundi: Tora: Verheyen, Walter N.: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Didessa river bridge: : SMF: 1 [1]; Nikolaus, Gerhard: SMF: 3 [3 - **4** - **5**].

Kenya: Kakamega Forest: Williams, John George: AMNH: 1, ROM: 7 [8 - **8** - **8**].

Total Specimens for 19 November 1975: 18

20 November 1975

Botswana: Xugana: Archer, A.L.; Williams, A.E.: USNM: 12 [12 - **12** - **12**].
Kenya: Kakamega Forest: Williams, John George: AMNH: 1, ROM: 18 [19 - **19**] - Kakamega Forest, 12.8 km SE: Mumford, Russell E.: ROM: 1 [1 - **1** - **20**].
South Africa: Barberton, 14 km NW: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1975: 33

21 November 1975

Cameroon: Lombé: Scott, Norman J.: MSB: 2, USNM: 4 [6 - **6** - **6**].
Kenya: Kakamega Forest: Mumford, Russell E.: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **3** - **3**].
South Africa: Barberton, 14 km NW: Robbins, Lynn W.: CM: 3 [3 - **3** - **3**].

Total Specimens for 21 November 1975: 12

22 November 1975

Botswana: Xugana: Archer, A.L.; Williams, A.E.: USNM: 5 [5 - **5** - **5**].
Cameroon: Douala-Edéa Game Reserve: Scott, Norman J.: MSB: 2 [2 - **2** - **2**].
Kenya: Kakamega Forest: Williams, John George: ROM: 6 [6 - **6** - **6**].
South Africa: Barberton, 14 km NW: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1975: 14

23 November 1975

Botswana: Xugana: Archer, A.L.; Williams, A.E.: USNM: 1 [1 - **1** - **1**].
Kenya: Kakamega Forest: Mumford, Russell E.: ROM: 2 [2]; Williams, John George: AMNH: 1, ROM: 2 [3 - **5** - **5**].

Total Specimens for 23 November 1975: 6

24 November 1975

Botswana: Xugana: Archer, A.L.: USNM: 1 [1]; Archer, A.L.; Williams, A.E.: USNM: 10 [10 - **11** - **11**].
Cameroon: Douala-Edéa Game Reserve: Scott, Norman J.: MSB: 2 [2 - **2**] - Lombé: Scott, Norman J.: MSB: 1 [1 - **1** - **3**].
Kenya: Kongelai: Williams, John George: ROM: 1 [1 - **1**] - NE Cherangani Hills, Kipsain river: Williams, John George: ROM: 18 [18 - **18** - **19**].

Total Specimens for 24 November 1975: 33

25 November 1975

Botswana: Xugana: Archer, A.L.; Williams, A.E.: USNM: 3 [3 - **3** - **3**].
Cameroon: Douala-Edéa Game Reserve: Scott, Norman J.: MSB: 1 [1 - **1**] - Lombé: Scott, Norman J.: MSB: 1 [1 - **1** - **2**].

Total Specimens for 25 November 1975: 5

26 November 1975

Botswana: Xugana: Archer, A.L.: USNM: 6 [6]; Archer, A.L.; Williams, A.E.: USNM: 3 [3 - **9** - **9**].
Kenya: Kongelai: Williams: ROM: 2 [2]; Williams, John George: ROM: 11 [11 - **13** - **13**].

Total Specimens for 26 November 1975: 22

27 November 1975

Botswana: Xugana, 13 mi [=17 km] N: Dandridge, D.: USNM: 3 [3 - **3** - **3**].
Cameroon: Douala-Edéa Game Reserve: Scott, Norman J.: MSB: 1 [1 - **1**] - Lombé: Scott, Norman J.: MSB: 1 [1 - **1** - **2**].
Kenya: Kongelai: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 27 November 1975: 7

28 November 1975

Cameroon: Douala-Edéa Game Reserve: Scott, Norman J.: MSB: 1 [1 - **1** - **1**].
Kenya: Kongelai: Williams, John George: ROM: 2 [2 - **2** - **2**].

Total Specimens for 28 November 1975: 3

29 November 1975

Botswana: Xugana: Archer, A.L.: USNM: 3 [3 - **3** - **3**].
Cameroon: Douala-Edéa Game Reserve: Scott, Norman J.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1975: 4

30 November 1975

Botswana: Xugana: Archer, A.L.: USNM: 6 [6 - **6** - **6**].
Cameroon: Douala-Edéa Game Reserve: Scott, Norman J.: MSB: 1 [1]; Scott, Norman J.; Ekondo, S.: MSB: 6 [6 - **7**] - Lombé: Scott, Norman J.: MSB: 1 [1]; Scott, Norman J.; Ekondo, S.: USNM: 1 [1 - **2** - **9**].

Total Specimens for 30 November 1975: 15

1 December 1975

Cameroon: Lombé: Scott, Norman J.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1975: 1

2 December 1975

Cameroon: Douala-Edéa Game Reserve: Scott, Norman J.: MSB: 3 [3]; Scott, Norman J.; Ekondo, S.: MSB: 1 [1 - **4** - **4**].
Nigeria: Pandam Wildlife Park: Smeenk, Chris; Smeenk, Nellie: RMNH: 1 [1 - **1** - **1**].
South Africa: Shepstone, 48 km NE: Robbins, Lynn W.: CM: 2 [2 - **2** - **2**].

Total Specimens for 2 December 1975: 7

3 December 1975

Botswana: Xugana: Archer, A.L.: USNM: 1 [1 - **1** - **1**].
Cameroon: Douala-Edéa Game Reserve: Scott, Norman J.; Ekondo, S.: MSB: 3 [3 - **3**] - Lombé: Scott, Norman J.: MSB: 2 [2 - **2** - **5**].
South Africa: Pennington: Robbins, Lynn W.: CM: 4 [4 - **4** - **4**].

Total Specimens for 3 December 1975: 10

4 December 1975

Botswana: Xugana: Archer, A.L.: USNM: 5 [5 - **5**] - Xugana, 13 mi [=17 km] N: Archer, A.L.: USNM: 11 [11]; Archer, A.L.; Williams, A.E.: USNM: 9 [9 - **20** - **25**].
Cameroon: Douala-Edéa Game Reserve: Scott, Norman J.: MSB: 2 [2 - **2** - **2**].
South Africa: Pennington: Robbins, Lynn W.: CM: 4 [4 - **4**] - Tsitsikamma Guano cave: Spitzenberger, Frederike; Herzig, Barbara: NMW: 7 [7 - **7** - **11**].
Tanzania: Kigoma: Easton, Emmett R.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1975: 39

5 December 1975

Botswana: Xugana: Archer, A.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1975: 1

7 December 1975

Botswana: Four Rivers Camp: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - Xugana: Archer, A.L.; Williams, A.E.: USNM: 1 [1 - **1**] - Xugana, 13 mi [=17 km] N: Archer, A.L.: USNM: 1 [1]; Archer, A.L.; Williams, A.E.: USNM: 8 [8 - **9** - **11**].

Total Specimens for 7 December 1975: 11

8 December 1975

Botswana: Xugana: Archer, A.L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1975: 1

9 December 1975

Botswana: Xugana: Archer, A.L.: USNM: 5 [5]; Archer, A.L.; Williams, A.E.: USNM: 2 [2 - **7** - **7**].

Total Specimens for 9 December 1975: 7

10 December 1975

South Africa: Fort Beaufort, 14 km W: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1975: 1

12 December 1975

Botswana: Xugana: Archer, A.L.: USNM: 2 [2 - **2** - **2**].
Senegal: Diattacounda: Böhme, Wolfgang: ZFMK: 2 [2]; Böhme, Wolfgang; *et al.*: ZFMK: 25 [25 - **27** - **27**].
South Africa: Cradock, 25 km SE: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1975: 30

14 December 1975

Cameroon: Unknown locality: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 3 [3 - **3**] - Kounden: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 2 [2 - **2** - **5**].
South Africa: Cradock, 25 km SE: Robbins, Lynn W.: CM: 3 [3 - **3**] - Cradock, 40 km NW: Robbins, Lynn W.: CM: 6 [6 - **6** - **9**].

Total Specimens for 14 December 1975: 14

18 December 1975

Kenya: Kichaka Simba: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - Kichakasimba: Ithia, Julius M.K.: CUMV: 9 [9 - **9**] - Mukanda river: Ithia, Julius M.K.: CUMV: 3 [3 - **3**] - Mukanda Stream: Ithia, Julius M.K.: CUMV: 9 [9 - **9** - **22**].

Total Specimens for 18 December 1975: 22

19 December 1975

Congo (Democratic Republic of the): Kingabwa: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Kenya: Kichaka Simba: Ithia, Julius M.K.: CUMV: 6 [6 - **6**] - Kichakasimba: Ithia, Julius M.K.: CUMV: 5 [5 - **5**] - Mukanda river: Ithia, Julius M.K.: CUMV: 3 [3 - **3**] - Mukanda Stream: Ithia, Julius M.K.: CUMV: 10 [10 - **10** - **24**].

Total Specimens for 19 December 1975: 25

20 December 1975

Kenya: Mukanda river: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1975: 1

23 December 1975

Senegal: Diattacounda: Böhme, Wolfgang; *et al.*: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 23 December 1975: 2

25 December 1975

Senegal: Diattacounda: Böhme, Wolfgang; *et al.*: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 25 December 1975: 1

26 December 1975

Cameroon: Kounden: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 26 December 1975: 6

27 December 1975

Cameroon: Kounden: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 27 December 1975: 4

29 December 1975

Cameroon: Kounden: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1975: 1

30 December 1975

Cameroon: Kounden: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1975: 1

31 December 1975

Congo (Democratic Republic of the): Kingabwa: Tshinyenye: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 31 December 1975: 2

1 January 1976

Cameroon: Kounden: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Unknown locality: Lejeune, M.: RMCA: 99 [99 - **99**] - Lulimbi: Lejeune, M.: RMCA: 129 [129 - **129** - **228**].
Ethiopia: Unknown locality: Rupp, Hans: SMNS: 4 [4 - **4**] - Bulcha Forest: Rupp, Hans: SMNS: 1 [1 - **1** - **5**].
Nigeria: Unknown locality: ?: Collector Unknown: ZMA: 3 [3 - **3** - **3**].
Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock; Oxley, D.J.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1976: 240

2 January 1976

Cameroon: Kounden: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1976: 1

8 January 1976

Kenya: Kongelai: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1976: 1

9 January 1976

Cameroon: Touroua: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
Kenya: Kongelai: Williams, John George: ROM: 3 [3 - **3** - **3**].
South Africa: Lamberts Bay, 6 km E: Robbins, Lynn W.: CM: 8 [8 - **8**] - Lamberts Bay, 8 km E: Robbins, Lynn W.: CM: 1 [1 - **1** - **9**].

Total Specimens for 9 January 1976: 13

10 January 1976

Cameroon: Touroua: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1976: 1

11 January 1976

Cameroon: Touroua: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 11 January 1976: 4

12 January 1976

Cameroon: Touroua: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 12 January 1976: 2

14 January 1976

Cameroon: Touroua: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 January 1976: 2

15 January 1976

Cameroon: Touroua: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1976: 1

17 January 1976

Botswana: Maun: ?: Collector Unknown: USNM: 4 [4 - **4** - **4**].

Total Specimens for 17 January 1976: 4

22 January 1976

Cameroon: Koum: Verheyen, Walter N.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1976: 1

23 January 1976

South Africa: Lake Sibaya Reserve Station: ?: Collector Unknown: TM: 22 [22 - **22** - **22**].

Total Specimens for 23 January 1976: 22

24 January 1976

South Africa: Lake Sibaya Reserve Station: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Total Specimens for 24 January 1976: 2

26 January 1976

Kenya: Makalia Falls: Schwan, Tom G.: AMNH: 1 [1 - **1** - **1**].
South Africa: Itala Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Itala Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 26 January 1976: 3

27 January 1976

Nigeria: Yankari: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1976: 1

28 January 1976

Cameroon: Miéri: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 28 January 1976: 5

29 January 1976

Ethiopia: Bulcha Forest: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1976: 1

30 January 1976

Cameroon: Miéri: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 30 January 1976: 3

1 February 1976

Cameroon: Kounden: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1**] - Miéri: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 25 [25 - **25** - **26**].
Congo (Democratic Republic of the): Tshibashi: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
Ethiopia: Bulcha Forest: Ash, John S.: SMF: 1 [1 - **1** - **1**].
South Africa: Shihangwane: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1976: 29

2 February 1976

Cameroon: Kombé-Tiko: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 2 February 1976: 5

4 February 1976

Cameroon: Kombé-Tiko: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 3 [3 - **3** - **3**].
Ethiopia: Bulcha Forest: Nikolaus, Gerhard: SMNS: 2 [2 - **2**] - Mekinissa: ?: Collector Unknown: CM: 1 [1 - **1** - **3**].

Total Specimens for 4 February 1976: 6

5 February 1976

Cameroon: Kombé-Tiko: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1976: 1

7 February 1976

Ethiopia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1976: 1

15 February 1976

Ethiopia: Baro: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - Gambela, 60 km E: Nikolaus, Gerhard: SMNS: 3 [3 - **3** - **4**].

Total Specimens for 15 February 1976: 4

19 February 1976

Ethiopia: Bulcha Forest: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - Gambela, 15 km E: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **2**].

Total Specimens for 19 February 1976: 2

20 February 1976

Ethiopia: Bulcha Forest: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1976: 1

21 February 1976

South Africa: Farm Tweepoort 404: Kemp, A.C.: TM: 1 [1 - **1**] - Vendabind, on Levuvhu river: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **2**].

Total Specimens for 21 February 1976: 2

23 February 1976

Ethiopia: Jikaw: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1976: 1

26 February 1976

South Africa: Farm Doornhoek: Espie, Ian W.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1976: 1

27 February 1976

Congo (Democratic Republic of the): Tshibashi: Betu Nsankulu: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 27 February 1976: 5

2 March 1976

Kenya: Nairobi: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1976: 1

5 March 1976

South Africa: Pietermaritzburg, 20 km ENE: Bernard, Ric T.F.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 March 1976: 2

6 March 1976

Nigeria: Zaria: Dyer, M.E.: ROM: 1 [1]; Dyer, M.E.; Dyer, M.: ROM: 9 [9 - **10** - **10**].

Total Specimens for 6 March 1976: 10

7 March 1976

Kenya: Kyanguli: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1976: 1

10 March 1976

South Africa: Durban: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Hillary: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Total Specimens for 10 March 1976: 4

12 March 1976

Ethiopia: Abol: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1976: 1

13 March 1976

South Africa: Doornhoek mine: Espie, Ian W.: TTU: 1 [1 - **1**] - Farm Doornhoek: Espie, Ian W.: SMF: 1 [1 - **1** - **2**].

Total Specimens for 13 March 1976: 2

20 March 1976

"Africa": Unknown locality: Espie, Ian W.: KU: 1 [1 - **1** - **1**].
South Africa: Pietermaritzburg: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 20 March 1976: 3

24 March 1976

South Africa: KwaZulu-Natal province: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 24 March 1976: 4

27 March 1976

South Africa: Doornhoek mine: Espie, Ian W.: KU: 2, TTU: 1 [3 - **3**] - Farm Doornhoek: Espie, Ian W.: SMF: 1 [1 - **1** - **4**].

Total Specimens for 27 March 1976: 4

28 March 1976

South Africa: Entabeni State Forest: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: TM: 1 [1 - **2**] - Soutpansberg [= Zoutpansberg],Entabeni State Forest: Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: TM: 1 [1 - **1** - **3**].

Total Specimens for 28 March 1976: 3

29 March 1976

South Africa: Pietermaritzburg: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1976: 1

30 March 1976

South Africa: Hester Malan Wild Flower Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1976: 1

2 April 1976

South Africa: Umzumgwenya Nature Reserve: Espie, Ian W.: AMNH: 1, TTU: 1 [2 - **2** - **2**].

Total Specimens for 2 April 1976: 2

3 April 1976

Algeria: Tit: Ernst, D.: SMF: 1 [1 - **1** - **1**].
South Africa: Pietermaritzburg: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 3 April 1976: 3

13 April 1976

Kenya: Kilanguni: Williams, John George: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1976: 1

14 April 1976

Ethiopia: Doki River: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
South Africa: Pietermaritzburg, 20 km ENE: Bernard, Ric T.F.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 14 April 1976: 4

15 April 1976

South Africa: Trichardstal: Visser, John: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1976: 1

16 April 1976

Swaziland: T'shaneni: Visser, John: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1976: 1

17 April 1976

Kenya: Mbevo Hills: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - Shimba Hills: Williams, John George: ROM: 2 [2 - **2** - **3**].
Nigeria: Lake Pandam: Smeenk, Chris; Smeenk, Nellie: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 April 1976: 4

25 April 1976

South Africa: Kosi Bay estuary: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1976: 1

26 April 1976

South Africa: Bloemfontein: ?: Collector Unknown: NMB: 1 [1 - **1**] - Kosi Bay estuary: ?: Collector Unknown: TM: 10 [10 - **10** - **11**].

Total Specimens for 26 April 1976: 11

27 April 1976

Mauritius: Cascade river: Lammers, R.: SMF: 1 [1 - **1** - **1**].
Zimbabwe: Cyrene: : HZM: 1 [1 - **1** - **1**].

Total Specimens for 27 April 1976: 2

28 April 1976

South Africa: Sarnia: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1976: 1

30 April 1976

Congo (Democratic Republic of the): Lulua: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 30 April 1976: 3

1 May 1976

"Africa": Unknown locality: Espie, Ian W.: KU: 3 [3 - **3** - **3**].
South Africa: Doornhoek mine: ?: Collector Unknown: TTU: 1 [1 - **1**] - Pietermaritzburg: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 1 May 1976: 5

2 May 1976

Congo (Democratic Republic of the): Lulua: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 2 May 1976: 3

4 May 1976

Kenya: Kamuuani: Ithia, Julius M.K.: CUMV: 7 [7 - **7** - **7**].

Total Specimens for 4 May 1976: 7

5 May 1976

Kenya: Mbevo Hills: Ithia, Julius M.K.: CUMV: 22 [22 - **22** - **22**].

Total Specimens for 5 May 1976: 22

7 May 1976

Ethiopia: Shifra: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1976: 1

8 May 1976

"Africa": Unknown locality: Espie, Ian W.: KU: 1 [1 - **1** - **1**].
Kenya: Konza Farm: Ithia, Julius M.K.: CUMV: 15 [15 - **15** - **15**].

Total Specimens for 8 May 1976: 16

9 May 1976

Ethiopia: Shifra: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1976: 1

11 May 1976

Nigeria: Lagos: Brownlow, I.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1976: 1

30 May 1976

South Africa: Doornhoek mine: ?: Collector Unknown: TTU: 1 [1 - **1**] - Pietermaritzburg, 20 km ENE: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 30 May 1976: 2

2 June 1976

Sierra Leone: Glote Village: Pitt, D.: ROM: 12 [12 - **12** - **12**].

Total Specimens for 2 June 1976: 12

6 June 1976

Ethiopia: Abore: Nikolaus, Gerhard: SMNS: 2 [2 - **2**] - Abore, lake: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **3**].

Total Specimens for 6 June 1976: 3

13 June 1976

"Africa": Unknown locality: Espie, Ian W.: KU: 2 [2 - **2** - **2**].
South Africa: Doornhoek mine: ?: Collector Unknown: TTU: 1 [1 - **1** - **1**].

Sudan: Khartoum: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1976: 4

14 June 1976

Nigeria: Lake Pandam: Smeenk, Chris; Smeenk, Nellie: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1976: 1

15 June 1976

Nigeria: Lake Pandam: Smeenk, Chris; Smeenk, Nellie: RMNH: 3 [3 - **3** - **3**].

Total Specimens for 15 June 1976: 3

17 June 1976

Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 16 [16 - **16** - **16**].

Total Specimens for 17 June 1976: 16

20 June 1976

"Africa": Unknown locality: Espie, Ian W.: KU: 1 [1 - **1** - **1**].
South Africa: Doornhoek mine: ?: Collector Unknown: TTU: 3 [3 - **3** - **3**].

Total Specimens for 20 June 1976: 4

25 June 1976

Nigeria: Chuel: Bergmans, Wim: ZMA: 1 [1 - **1**] - Jos: Bergmans, Wim: ZMA: 3 [3 - **3**] - Zawan: Gyamgzi: ZMA: 1 [1 - **1** - **5**].

Total Specimens for 25 June 1976: 5

27 June 1976

Nigeria: Jos: Bergmans, Wim: ZMA: 1 [1 - **1**] - Mokwa: Dyer, M.E.; Dyer, M.: ROM: 4 [4 - **4** - **5**].

Total Specimens for 27 June 1976: 5

28 June 1976

Nigeria: Zawan: Gyamgzi: ZMA: 2 [2 - **2** - **2**].
South Africa: Sarnia: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1976: 3

1 July 1976

Nigeria: Pandam Wildlife Park: Bergmans, Wim: ZMA: 1 [1 - **1**] - Shagunu: Menzies, James Ian: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 1 July 1976: 2

2 July 1976

Nigeria: Pandam Wildlife Park: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 2 July 1976: 3

5 July 1976

Nigeria: Lake Pandam: Bergmans, Wim: ZMA: 1 [1 - **1**] - Pandam: Bergmans, Wim: ZMA: 1 [1 - **1**] - Pandam Wildlife Park: Bergmans, Wim: ZMA: 4 [4 - **4** - **6**].

Total Specimens for 5 July 1976: 6

6 July 1976

Nigeria: Ipole: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2**] - Pandam: Bergmans, Wim: ZMA: 1 [1 - **1** - **3**].

Total Specimens for 6 July 1976: 3

7 July 1976

Congo (Democratic Republic of the): Mandima: Meier, Florian: MHNG: 5 [5 - **5** - **5**].
Nigeria: Lake Pandam: Bergmans, Wim: ZMA: 1 [1 - **1**] - Pandam: Bergmans, Wim: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 7 July 1976: 7

8 July 1976

Congo (Democratic Republic of the): Mandima: Meier, Florian: MHNG: 2 [2 - **2** - **2**].
Nigeria: Arusu: Bergmans, Wim: ZMA: 1 [1 - **1**] - Arusua: Bergmans, Wim: ZMA: 3 [3 - **3** - **4**].

Total Specimens for 8 July 1976: 6

11 July 1976

Nigeria: Lake Pandam: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].
South Africa: Pietermaritzburg: Meester, Jurgens Anthonie Janse [=Waldo]: SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1976: 4

12 July 1976

Nigeria: Mkar: Bergmans, Wim: ZMA: 4 [4 - **4**] - Omo Forest Reserve: Dyer, M.E.; Dyer, M.: ROM: 6 [6 - **6** - **10**].

Total Specimens for 12 July 1976: 10

13 July 1976

Nigeria: Mkar: Bergmans, Wim: ZMA: 1 [1 - **1**] - Omo Forest Reserve: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2** - **3**].

Total Specimens for 13 July 1976: 3

14 July 1976

Nigeria: Omo Forest Reserve: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 14 July 1976: 2

15 July 1976

"Africa": Zambia or Zimbabwe: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Burundi: Kigamba: Verschuren, Jacques: RBINS: 35 [35 - **35** - **35**].
Congo (Democratic Republic of the): Mandima: Meier, Florian: MHNG: 1 [1 - **1** - **1**].
Sierra Leone: Russel village: Pitt, D.: ROM: 12 [12 - **12** - **12**].
Zimbabwe: Victoria Falls: Hatton, R.S.: KU: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1976: 50

16 July 1976

Ethiopia: Bokonkorio: Ash, John S.: SMF: 3 [3 - **3** - **3**].

Total Specimens for 16 July 1976: 3

18 July 1976

"Africa": Unknown locality: Espie, Ian W.: KU: 1 [1 - **1** - **1**].
South Africa: Pietermaritzburg: Meester, Jurgens Anthonie Janse [=Waldo]: SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1976: 2

21 July 1976

"Africa": Unknown locality: Espie, Ian W.: KU: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Mandima: Meier, Florian: MHNG: 2 [2 - **2** - **2**].
Nigeria: Unknown locality: Bergmans, Wim: ZMA: 5 [5 - **5** - **5**].
South Africa: Pietermaritzburg: Meester, Jurgens Anthonie Janse [=Waldo]: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1976: 9

23 July 1976

Kenya: Mukanda Stream: Ithia, Julius M.K.: ROM: 19 [19 - **19** - **19**].

Nigeria: Calabar: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Tanzania: Kisarawe, near: Howell, Kim M.: USNM: 43 [43 - **43** - **43**].

Total Specimens for 23 July 1976: 63

24 July 1976

Congo (Democratic Republic of the): Mandima: Meier, Florian: MHNG: 1 [1 - **1** - **1**].
Kenya: Lukore area: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - Mukanda Stream: Ithia, Julius M.K.: ROM: 14 [14 - **14** - **15**].
Nigeria: Odukpani: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1976: 17

26 July 1976

Kenya: Mukanda one cave: Ithia, Julius M.K.: ROM: 7 [7 - **7**] - Mukanda Stream: Ithia, Julius M.K.: ROM: 4 [4 - **4** - **11**].

Total Specimens for 26 July 1976: 11

27 July 1976

Kenya: Shimoni cave: Ithia, Julius M.K.: ROM: 28 [28 - **28** - **28**].
Nigeria: Ikang: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1976: 29

28 July 1976

Kenya: Shimoni cave: Ithia, Julius M.K.: ROM: 46 [46 - **46** - **46**].
Nigeria: Ikang: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 28 July 1976: 49

29 July 1976

Burundi: Bweru: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Mandima: Meier, Florian: MHNG: 2 [2 - **2** - **2**].
Kenya: Shimoni cave: Ithia, Julius M.K.: ROM: 21 [21 - **21** - **21**].

Total Specimens for 29 July 1976: 24

30 July 1976

Kenya: Shimoni cave: Ithia, Julius M.K.: ROM: 10 [10 - **10** - **10**].

Total Specimens for 30 July 1976: 10

31 July 1976

Congo (Democratic Republic of the): Mandima: Meier, Florian: MHNG: 1 [1 - **1** - **1**].
Kenya: Shimoni cave: Ithia, Julius M.K.: ROM: 22 [22 - **22** - **22**].

Total Specimens for 31 July 1976: 23

1 August 1976

Burundi: Bujumbura: Verschuren, Jacques: RBINS: 6 [6 - **6**] - Usumbura: ?: Collector Unknown: RBINS: 4 [4 - **4** - **10**].
Congo (Democratic Republic of the): Mandima: Meier, Florian: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 1 August 1976: 12

4 August 1976

Nigeria: Ibadan: Bergmans, Wim: ZMA: 5 [5 - **5** - **5**].

Total Specimens for 4 August 1976: 5

5 August 1976

Congo (Democratic Republic of the): Alambi: Meier, Florian: MHNG: 2 [2 - **2**] - Paoni [=Pahoni]: Meier, Florian: MHNG: 1 [1 - **1** - **3**].

Total Specimens for 5 August 1976: 3

6 August 1976

Congo (Democratic Republic of the): Alambi: Meier, Florian: MHNG: 2 [2 - **2**] - Paoni [=Pahoni]: Meier, Florian: MHNG: 3 [3 - **3** - **5**].
Nigeria: Ibadan: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1976: 6

7 August 1976

Congo (Democratic Republic of the): Alambi: Meier, Florian: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 7 August 1976: 2

9 August 1976

Nigeria: Ibadan: Bergmans, Wim: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 9 August 1976: 4

10 August 1976

Nigeria: Ikoyi: Brownlow, I.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1976: 1

13 August 1976

Nigeria: Ife: Bergmans, Wim: ZMA: 23 [23 - **23** - **23**].

Total Specimens for 13 August 1976: 23

14 August 1976

Nigeria: Ife: Bergmans, Wim: ZMA: 7 [7 - **7** - **7**].

Total Specimens for 14 August 1976: 7

15 August 1976

Nigeria: Ife: Bergmans, Wim: ZMA: 1 [1 - **1**] - Ife University Campus: Bergmans, Wim: ZMA: 2 [2 - **2** - **3**].

Total Specimens for 15 August 1976: 3

16 August 1976

Congo (Democratic Republic of the): Nyankunde: Meier, Florian: MHNG: 3 [3 - **3** - **3**].
Kenya: Shimba Hills: Ithia, Julius M.K.: CUMV: 3 [3 - **3** - **3**].

Total Specimens for 16 August 1976: 6

17 August 1976

Kenya: Shimba Hills: Ithia, Julius M.K.: CUMV: 3 [3 - **3** - **3**].
Nigeria: Ife University Campus: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
South Africa: Farm Bokveld, on Limpopo River: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1976: 5

18 August 1976

Congo (Democratic Republic of the): Nyankunde: Meier, Florian: MHNG: 1 [1 - **1** - **1**].
Kenya: Shimba Hills: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1976: 2

19 August 1976

Botswana: Toteng: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1976: 1

21 August 1976

Congo (Democratic Republic of the): Komanda: Meier, Florian: MHNG: 11 [11 - **11** - **11**].
Nigeria: Ife: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1976: 12

22 August 1976

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1976: 1

24 August 1976

South Africa: Mkuzi Game Reserve: Visser, John: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1976: 1

25 August 1976

Nigeria: Olokemeji Forest Reserve: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2** - **2**].
South Africa: Farm Al-te-ver 103: Dippenaar, Nicolaas Jacobus [=Nico]; de Jager, J.G.: TM: 3 [3 - **3** - **3**].

Total Specimens for 25 August 1976: 5

27 August 1976

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Nigeria: Agege: Bergmans, Wim: ZMA: 1 [1 - **1**] - Mokwa: Dyer, M.E.; Dyer, M.: ROM: 5 [5 - **5** - **6**].

Total Specimens for 27 August 1976: 7

28 August 1976

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Nigeria: Agege: Bergmans, Wim: ZMA: 3 [3]; De Boer, P.; De Boer, A.: ZMA: 1 [1 - **4**] - Mokwa: Dyer, M.E.; Dyer, M.: ROM: 3 [3 - **3** - **7**].

Total Specimens for 28 August 1976: 8

30 August 1976

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Nigeria: Mokwa: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1976: 2

2 September 1976

Congo (Democratic Republic of the): Rwindi: Meier, Florian: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1976: 1

4 September 1976

Congo (Democratic Republic of the): Jomba: Meier, Florian: MHNG: 29 [29 - **29** - **29**].

Total Specimens for 4 September 1976: 29

5 September 1976

Congo (Democratic Republic of the): Jomba: Meier, Florian: MHNG: 3 [3 - **3** - **3**].

Total Specimens for 5 September 1976: 3

6 September 1976

Congo (Democratic Republic of the): Jomba: Meier, Florian: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 6 September 1976: 2

17 September 1976

Kenya: Malindi: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1976: 1

20 September 1976

Rwanda: Ruhengeri: Meier, Florian: MHNG: 9 [9 - **9** - **9**].
South Africa: Bloemfontein: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1976: 10

27 September 1976

Congo (Democratic Republic of the): Masaba: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Nigeria: Agege: De Boer, P.; De Boer, A.: ZMA: 5 [5 - **5** - **5**].

Total Specimens for 27 September 1976: 6

1 October 1976

Kenya: Maungu: Hutton-Seed, R.: ROM: 2 [2 - **2**] - Voi, 30 km SE: Hutton-Seed, R.: ROM: 1 [1 - **1** - **3**].
Nigeria: Kano: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1976: 4

11 October 1976

Ethiopia: Koka: Rupp, Hans: SMNS: 1 [1 - **1** - **1**].
Nigeria: Jos: Beron, Petar: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1976: 2

12 October 1976

Rwanda: Astrida: Meier, Florian: MHNG: 5 [5 - **5** - **5**].

Total Specimens for 12 October 1976: 5

13 October 1976

Rwanda: Astrida: Meier, Florian: MHNG: 5 [5 - **5** - **5**].

Total Specimens for 13 October 1976: 5

14 October 1976

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Rwanda: Astrida: Meier, Florian: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1976: 2

15 October 1976

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 October 1976: 2

18 October 1976

Kenya: Rumuruti, 45 km N: Hutton-Seed, R.: ROM: 2 [2 - **2** - **2**].
Rwanda: Nyungwe forest reserve: Meier, Florian: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 18 October 1976: 4

19 October 1976

Ethiopia: Gowane: Rupp, Hans: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 19 October 1976: 2

20 October 1976

Kenya: Isiolo, 18 km SE: Hutton-Seed, R.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 20 October 1976: 5

21 October 1976

Kenya: Maungu: Hutton-Seed, R.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1976: 1

22 October 1976

Ethiopia: Gowane: Rupp, Hans: SMNS: 4 [4 - **4** - **4**].
Kenya: Voi, 30 km SE: Hutton-Seed, R.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1976: 5

27 October 1976

Kenya: Kenya: Davey: HZM: 1 [1 - **1**] - Maungu: Hutton-Seed, R.: ROM: 1 [1 - **1**] - Voi, 30 km SE: Hutton-Seed, R.: ROM: 1 [1 - **1** - **3**].

Total Specimens for 27 October 1976: 3

30 October 1976

Kenya: Maungu: Hutton-Seed, R.: ROM: 2 [2 - **2**] - Voi, 30 km SE: Hutton-Seed, R.: ROM: 2 [2 - **2** - **4**].
Niger: Maradi: : SMF: 3 [3]; Kock, Dieter: SMF: 5 [5 - **8** - **8**].

Total Specimens for 30 October 1976: 12

31 October 1976

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 2 [2 - **2** - **2**].
Niger: Maradi: : SMF: 4 [4]; Kock, Dieter: SMF: 2 [2 - **6** - **6**].

Total Specimens for 31 October 1976: 8

1 November 1976

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 1 November 1976: 3

4 November 1976

Niger: Tahaoua: : SMF: 8 [8 - **8** - **8**].

Total Specimens for 4 November 1976: 8

10 November 1976

Kenya: Kambu: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - Konza Hill: Ithia, Julius M.K.: ROM: 2 [2 - **2** - **3**].

Total Specimens for 10 November 1976: 3

11 November 1976

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 1 [1 - **1**] - Mbebo Hill: Ithia, Julius M.K.: ROM: 15 [15 - **15** - **16**].

Total Specimens for 11 November 1976: 16

12 November 1976

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 6 [6 - **6** - **6**].

Total Specimens for 12 November 1976: 6

14 November 1976

South Africa: Farm Rolspruit 127: de Jager, J.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1976: 1

21 November 1976

Kenya: Maungu: Hutton-Seed, R.: ROM: 3 [3 - **3**] - Voi, 30 km SE: Hutton-Seed, R.: ROM: 2 [2 - **2** - **5**].

Total Specimens for 21 November 1976: 5

22 November 1976

Benin: Mékrou river: Kosten, Stan: ZMA: 3 [3 - **3**] - Park W[est]: Kosten, Stan: ZMA: 1 [1 - **1** - **4**].
Kenya: Maungu: Hutton-Seed, R.: ROM: 4 [4 - **4**] - Voi, 30 km SE: Hutton-Seed, R.: ROM: 4 [4 - **4** - **8**].

Total Specimens for 22 November 1976: 12

1 December 1976

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - Voi, 30 km SE: Hutton-Seed, R.: ROM: 1 [1 - **1** - **2**].

Total Specimens for 1 December 1976: 2

4 December 1976

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1976: 1

5 December 1976

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1976: 1

6 December 1976

Kenya: Inyokomi: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1976: 1

7 December 1976

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1976: 1

24 December 1976

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1976: 1

28 December 1976

Congo (Democratic Republic of the): Bengale: Tshinyenye: RMCA: 2 [2 - **2**] - Benzale: Tshinyenye: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 28 December 1976: 3

29 December 1976

Congo (Democratic Republic of the): Kwango: Tshinyenye: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 29 December 1976: 3

1 January 1977

Ethiopia: Unknown locality: Ash, John S.: SMF: 1 [1 - **1** - **1**].
Sierra Leone: Hamilton Village: Pitt, D.: ROM: 17 [17 - **17** - **17**].
South Sudan: Nzara: Arata, Andrew A.: BMNH: 123 [123 - **123** - **123**].

Total Specimens for 1 January 1977: 141

3 January 1977

South Africa: Vernon Crookes Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1**] - Vernon Crooks Nature Reserve: Sowler, G.A.: TM: 1 [1 - **1** - **2**].

Total Specimens for 3 January 1977: 2

4 January 1977

Congo (Democratic Republic of the): Kuili: Tshinyenye: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 4 January 1977: 2

5 January 1977

Congo (Democratic Republic of the): Kuili Ngongo: Tshinyenye: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 5 January 1977: 2

6 January 1977

Congo (Democratic Republic of the): Kuili Ngongo: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1977: 1

7 January 1977

Congo (Democratic Republic of the): Kiulu Mgemgo: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1977: 1

8 January 1977

South Africa: Farm Keikamspoort 71: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Total Specimens for 8 January 1977: 2

9 January 1977

Nigeria: Wikki: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1977: 1

10 January 1977

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 15 [15 - **15** - **15**].

Total Specimens for 10 January 1977: 15

13 January 1977

South Sudan: Juba: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1977: 1

17 January 1977

Kenya: Mbebo Hill: Ithia, Julius M.K.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 17 January 1977: 5

21 January 1977

South Sudan: Tonj: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1977: 1

22 January 1977

South Sudan: Tonj: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1977: 1

23 January 1977

South Africa: Town Bush Valley, Town Bush Cave: Bernard, Ric T.F.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 January 1977: 2

24 January 1977

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 24 January 1977: 5

30 January 1977

Niger: Tenda: Pöche, R.M.: MVZ: 13 [13 - **13** - **13**].

Total Specimens for 30 January 1977: 13

1 February 1977

Benin: Park W[est]: Koeman, J.H.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1977: 1

2 February 1977

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].
Sudan: Tambura, 45 km N: Nikolaus, Gerhard: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 2 February 1977: 3

3 February 1977

South Africa: Farm Keikamspoort 71: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1977: 1

4 February 1977

South Africa: Farm Keikamspoort 71: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].

Total Specimens for 4 February 1977: 4

6 February 1977

Nigeria: Pandam: Dyer, M.E.; Nation, H.: ROM: 6 [6 - **6** - **6**].
South Africa: Farm Keikamspoort 71: Rautenbach, Ignatius Lourens [=Naas]: TM: 14 [14 - **14**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Pietermaritzburg, 20 km ENE: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **16**].

Total Specimens for 6 February 1977: 22

7 February 1977

Kenya: Konza Farm: Ithia, Julius M.K.: ROM: 5 [5 - **5** - **5**].
South Africa: Farm Keikamspoort 71: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].
Sudan: Maridi: Nikolaus, Gerhard: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 7 February 1977: 11

8 February 1977

South Africa: Farm Keikamspoort 71: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **4** - **4**].

Total Specimens for 8 February 1977: 4

9 February 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 February 1977: 2

11 February 1977

Nigeria: Calabar: Dyer, M.E.; Nation, H.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1977: 1

12 February 1977

South Africa: Goraas, Farm FrQ 2.9: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1977: 1

13 February 1977

South Africa: Goraas, Farm FrQ 2.9: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6** - **6**].

Total Specimens for 13 February 1977: 6

14 February 1977

Nigeria: Sapoba: Dyer, M.E.; Nation, H.: ROM: 12 [12 - **12** - **12**].

Total Specimens for 14 February 1977: 12

15 February 1977

Nigeria: Sapoba: Dyer, M.E.; Nation, H.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 15 February 1977: 5

16 February 1977

Nigeria: Okomu: Dyer, M.E.; Nation, H.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 16 February 1977: 4

17 February 1977

Nigeria: Ibadan: Dyer, M.E.; Nation, H.: ROM: 1 [1 - **1** - **1**].
South Sudan: Nzara: Arata, Andrew A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1977: 2

18 February 1977

Nigeria: Ibadan: Dyer, M.E.; Nation, H.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 18 February 1977: 7

20 February 1977

South Sudan: Gilo area: Archer, A.L.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 20 February 1977: 3

21 February 1977

South Africa: Pietermaritzburg, 18 km N: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **1**].
South Sudan: Gilo area: Archer, A.L.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 February 1977: 4

22 February 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 12 [12 - **12** - **12**].

Total Specimens for 22 February 1977: 12

23 February 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 February 1977: 2

24 February 1977

South Africa: Pietermaritzburg, 20 km ENE: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **1**].
South Sudan: Gilo area: Archer, A.L.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 24 February 1977: 3

25 February 1977

South Sudan: Gilo area: Archer, A.L.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 25 February 1977: 3

26 February 1977

South Sudan: Gilo area: Archer, A.L.: FMNH: 2 [2 - **2**] - Gilo, 5 mi S: Archer, A.L.: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 26 February 1977: 3

27 February 1977

South Sudan: Gilo area: Archer, A.L.: FMNH: 2 [2 - **2**] - Gilo, 5 mi S: Archer, A.L.: FMNH: 3 [3 - **3** - **5**].

Total Specimens for 27 February 1977: 5

28 February 1977

Nigeria: Rafin Dinya: Koeman, J.H.: ZMA: 1 [1 - **1** - **1**].
South Sudan: Gilo area: Archer, A.L.: FMNH: 5 [5 - **5**] - Gilo, 5 mi S: Archer, A.L.: FMNH: 1 [1 - **1** - **6**].

Total Specimens for 28 February 1977: 7

1 March 1977

Congo (Democratic Republic of the): Ngula: Tshinyenye: RMCA: 2 [2 - **2** - **2**].
Kenya: Kivondo Forest: McWilliam, A.N.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1977: 3

3 March 1977

South Sudan: Gilo area: Archer, A.L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1977: 1

4 March 1977

Nigeria: Kagoro: Dyer, M.E.; Nation, H.: ROM: 1 [1 - **1** - **1**].
South Sudan: Talanga forest: Archer, A.L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 March 1977: 2

5 March 1977

Congo (Democratic Republic of the): Ngula: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1977: 1

6 March 1977

Cameroon: Mesea: Philippart de Foy, Guy: RMCA: 12 [12 - **12** - **12**].
Congo (Democratic Republic of the): Ngula: Tshinyenye: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 6 March 1977: 17

7 March 1977

Cameroon: Mesea: Philippart de Foy, Guy: RMCA: 4 [4 - **4** - **4**].
South Sudan: Talanga forest: Archer, A.L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1977: 5

8 March 1977

Congo (Democratic Republic of the): Ngula: Tshinyenye: RMCA: 6 [6 - **6** - **6**].
South Sudan: Talanga forest: Archer, A.L.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 8 March 1977: 9

9 March 1977

South Sudan: Talanga forest: Archer, A.L.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 March 1977: 2

10 March 1977

Cameroon: Mesea: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].
South Sudan: Talanga forest: Archer, A.L.: FMNH: 4 [4 - **4** - **4**].
Tanzania: Usa River: Eory, M.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1977: 6

11 March 1977

Congo (Democratic Republic of the): Ngula: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1977: 1

12 March 1977

Congo (Democratic Republic of the): Ngula: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1977: 1

13 March 1977

Cameroon: Mesea: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **2**].
South Africa: Goraas, Farm FrQ 2.9: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1977: 3

14 March 1977

Cameroon: Mesea: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1977: 1

15 March 1977

Tanzania: Usa River: Eory, M.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1977: 1

16 March 1977

Niger: Park West: Kosten, Stan: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1977: 1

17 March 1977

Cameroon: Mesea: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **2**].
South Sudan: Bangangai forest: Archer, A.L.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 17 March 1977: 5

18 March 1977

Cameroon: Mesea: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1977: 1

20 March 1977

South Sudan: Bangangai forest: Archer, A.L.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 March 1977: 2

21 March 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 March 1977: 3

22 March 1977

South Africa: Town Bush Valley, Town Bush Cave: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **1**].
South Sudan: Bangangai forest: Archer, A.L.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 22 March 1977: 4

23 March 1977

Kenya: Kunumara Conference Center: Pierce, R.J.: MVZ: 2 [2 - **2** - **2**].

Total Specimens for 23 March 1977: 2

25 March 1977

South Sudan: Bangangai forest: Archer, A.L.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 March 1977: 2

26 March 1977

South Africa: D'Nyala Provincial Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Huwi Private Nature Reserve: Schlitter, Duane Albert: CM: 1 [1 - **1** - **3**].

Total Specimens for 26 March 1977: 3

27 March 1977

Cameroon: Mesea: Philippart de Foy, Guy: RMCA: 6 [6 - **6**] - Nguilili: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **7**].

Total Specimens for 27 March 1977: 7

28 March 1977

Cameroon: Nguilili: Philippart de Foy, Guy: RMCA: 6 [6 - **6** - **6**].
Congo (Democratic Republic of the): Ndemba: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 28 March 1977: 8

29 March 1977

Cameroon: Nguilili: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 29 March 1977: 2

30 March 1977

Cameroon: Nguilili: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1977: 1

31 March 1977

Cameroon: Nguilili: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1977: 1

1 April 1977

Cameroon: Nguilili: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1977: 2

2 April 1977

Cameroon: Nguilili: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 2 April 1977: 2

14 April 1977

Tunisia: El Hamma: Debreczy, Zoltan; Mahunka, Sándor: HNHM: 12 [12 - **12** - **12**].

Total Specimens for 14 April 1977: 12

21 April 1977

Cameroon: Ngoumé: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1977: 1

22 April 1977

Cameroon: Ngoumé: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **2**].
Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 8 [8 - **8** - **8**].

Total Specimens for 22 April 1977: 10

23 April 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 6 [6 - **6** - **6**].

Total Specimens for 23 April 1977: 6

25 April 1977

Cameroon: Ngoumé: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 25 April 1977: 2

26 April 1977

Cameroon: Ngoumé: Philippart de Foy, Guy: RMCA: 3 [3 - **3** - **3**].
Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 9 [9 - **9** - **9**].

Total Specimens for 26 April 1977: 12

27 April 1977

Cameroon: Ngoumé: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].
Namibia: Farm Kanaän: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].
South Africa: Farm Malta: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 27 April 1977: 4

28 April 1977

Namibia: Farm Kanaän: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 28 April 1977: 2

29 April 1977

Namibia: Farm Kanaän: Schlitter, Duane Albert: CM: 5 [5 - **5** - **5**].
South Africa: The Downs: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 29 April 1977: 7

30 April 1977

Namibia: Farm Kanaän: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 30 April 1977: 2

1 May 1977

Burundi: Bujumbura: Verschuren, Jacques: RBINS: 2 [2 - **2** - **2**].
Senegal: Missirah Saloum: Verschuren, Jacques: RBINS: 13 [13 - **13** - **13**].
South Africa: The Downs: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1977: 16

3 May 1977

Namibia: Farm Kanaän: Schlitter, Duane Albert: TM: 2 [2 - **2** - **2**].

Total Specimens for 3 May 1977: 2

4 May 1977

Seychelles: Aldabra Research Station, near: Whitelaw, J.J.: BMNH: 1 [1 - **1** - **1**].
South Africa: The Downs: ?: Collector Unknown: TM: 9 [9]; Ginn, P.J.G.: TM: 1 [1 - **10** - **10**].

Total Specimens for 4 May 1977: 11

7 May 1977

Sudan: Jebel Aulia: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1977: 1

8 May 1977

South Africa: Augrabies Falls-NP: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 1 [1 - **1**] - Pietermaritzburg, 20 km ENE: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 8 May 1977: 2

11 May 1977

Cameroon: Dimako: Philippart de Foy, Guy: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 11 May 1977: 3

12 May 1977

Kenya: Muumandu: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].
Niger: Bolsi, 6 km NW: Pöche, R.M.: MVZ: 3 [3 - **3**] - Toudou mines: Pöche, R.M.: MVZ: 11 [11 - **11** - **14**].

Total Specimens for 12 May 1977: 15

13 May 1977

Cameroon: Dimako: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1977: 1

14 May 1977

Cameroon: Dimako: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **2**].
Kenya: Kamuuani: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1977: 3

15 May 1977

Cameroon: Dimako: Philippart de Foy, Guy: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 15 May 1977: 5

16 May 1977

Cameroon: Dimako: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **2**].
South Africa: Mission Rocks Bat Cave: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Total Specimens for 16 May 1977: 6

17 May 1977

Cameroon: Dimako: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 17 May 1977: 2

18 May 1977

Cameroon: Dimako: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1977: 1

20 May 1977

Cameroon: Dimako: Philippart de Foy, Guy: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 20 May 1977: 3

22 May 1977

Cameroon: Dimako: Philippart de Foy, Guy: RMCA: 3 [3 - **3** - **3**].
Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1977: 4

23 May 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - Mukanda river: Kyongo, Robert N.: RMNH: 7 [7 - **7** - **9**].

Total Specimens for 23 May 1977: 9

24 May 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - Mukanda river: Kyongo, Robert N.: RMNH: 9 [9 - **9** - **11**].

Total Specimens for 24 May 1977: 11

25 May 1977

Kenya: Konza: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].
Niger: Niamey: Pöche, R.M.: MVZ: 8 [8 - **8** - **8**].

Total Specimens for 25 May 1977: 9

26 May 1977

Namibia: Farm Eindpaal 429: ?: Collector Unknown: SMW: 7 [7 - **7**] - Farm Eindpaal 429 [= Eindopaal]: ?: Collector Unknown: SMW: 1 [1 - **1** - **8**].

Total Specimens for 26 May 1977: 8

27 May 1977

Kenya: Kamuuani: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - Mukanda river: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - Shimba Hills Nature Reserve: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **3**].

Total Specimens for 27 May 1977: 3

28 May 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 May 1977: 1

30 May 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 7 [7 - **7**] - Mukanda river: Kyongo, Robert N.: RMNH: 11 [11 - **11** - **18**].

Total Specimens for 30 May 1977: 18

1 June 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - Mukanda river: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - Shimba Hills Nature Reserve: Kyongo, Robert N.: RMNH: 2 [2 - **2** - **4**].

Tanzania: Behobeho: Msuya, C.A.: SMF: 1 [1 - **1**] - Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Total Specimens for 1 June 1977: 7

10 June 1977

Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock: ROM: 2 [2 - **2**] - Sengwa Wildlife Research Area: Fenton, Melville Brock: ROM: 1 [1 - **1** - **3**].

Total Specimens for 10 June 1977: 3

16 June 1977

South Africa: Farm Modderfontein, Howel Davies Caves: Jacobsen, N.J.: TM: 3 [3 - **3** - **3**].

Total Specimens for 16 June 1977: 3

17 June 1977

Sudan: Omdurman: El Rayah, M.A.: ROM: 95 [95 - **95** - **95**].

Total Specimens for 17 June 1977: 95

22 June 1977

South Africa: Pietermaritzburg, 20 km ENE: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1977: 1

23 June 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - Kiu: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **2**].

Total Specimens for 23 June 1977: 2

26 June 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1977: 1

27 June 1977

Kenya: Shimoni: Aggundey, Issa R.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 27 June 1977: 2

1 July 1977

Senegal: Bandia: Böhme, Wolfgang; *et al.*: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 1 July 1977: 3

5 July 1977

Sudan: Jebel Aulia: El Rayah, M.A.: ROM: 29 [29 - **29** - **29**].

Total Specimens for 5 July 1977: 29

13 July 1977

The Gambia: Keneba: Brownlow, I.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1977: 1

24 July 1977

Niger: Niamey: Pöche, R.M.: MVZ: 2 [2 - **2** - **2**].

Total Specimens for 24 July 1977: 2

25 July 1977

The Gambia: Walikunda: Brownlow, I.P.: HZM: 3 [3 - **3** - **3**].

Total Specimens for 25 July 1977: 3

26 July 1977

The Gambia: Brikama Bar: Brownlow, I.P.: HZM: 2 [2 - **2**] - Walikunda: Brownlow, I.P.: HZM: 13 [13 - **13** - **15**].

Total Specimens for 26 July 1977: 15

1 August 1977

Namibia: Namibia Desert Research Station [= DERU]: Richardson, P.: TM: 12 [12 - **12** - **12**].

Total Specimens for 1 August 1977: 12

2 August 1977

South Africa: Pietermaritzburg, 20 km ENE: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1977: 1

4 August 1977

Niger: Niamey: G.A.L.: MVZ: 1 [1]; Pöche, R.M.: MVZ: 3 [3 - **4** - **4**].

Total Specimens for 4 August 1977: 4

11 August 1977

Niger: Maradi: Hoyt, R.: TTU: 1 [1]; Jones, John Knox: TTU: 14 [14 - **15** - **15**].
The Gambia: Walikunda: Brownlow, I.P.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1977: 16

12 August 1977

Niger: Maradi: Jones, John Knox: TTU: 5 [5 - **5** - **5**].

Total Specimens for 12 August 1977: 5

13 August 1977

South Africa: Farm Ratsegaai 204: de Jager, J.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1977: 1

17 August 1977

Tanzania: Dar-Es-Salaam region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1977: 1

20 August 1977

Kenya: Katilo: Weavers: BMNH: 5 [5 - **5** - **5**].
South Africa: Pretoria Zoo's farm: de Jager, J.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1977: 6

28 August 1977

Kenya: Katilo: Kock, Dieter: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1977: 1

31 August 1977

South Africa: Farm Ratsegaai 204: de Jager, J.G.: TM: 2 [2 - **2** - **2**].

Total Specimens for 31 August 1977: 2

8 September 1977

South Africa: Unknown locality: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: MMK: 1 [1 - **1**] - Augrabies Falls-NP: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 1 [1 - **1** - **2**].

Total Specimens for 8 September 1977: 2

10 September 1977

Kenya: Katuaa Market: Ithia, Julius M.K.: CUMV: 15 [15 - **15** - **15**].

Total Specimens for 10 September 1977: 15

13 September 1977

Kenya: Kamuuani: Ithia, Julius M.K.: CUMV: 3 [3 - **3** - **3**].

Total Specimens for 13 September 1977: 3

14 September 1977

Kenya: Kamuuani: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1977: 1

15 September 1977

South Africa: Bloemfontein: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1977: 1

4 October 1977

Namibia: Okatumba Sud: Simoes, A.P.: SMW: 4 [4 - **4** - **4**].

Total Specimens for 4 October 1977: 4

6 October 1977

Namibia: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Okatumba SA197 [Farmstead]: Lester, L.A.: AMNH: 2 [2 - **2**] - Omuramba Khaundum, S Fork near junction with N Fork: Lester, L.A.: LACM: 1 [1 - **1**] - Otjihua 180: Lester, L.A.: LACM: 30 [30 - **30**] - Otjihua 182: Lester, L.A.: LACM: 1 [1 - **1**] - Otjihua 185: Lester, L.A.: LACM: 16 [16 - **16**] - Windhoek: Lester, L.A.: LACM: 1 [1 - **1** - **52**].
South Africa: Farm Narap: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 2 [2 - **2**] - Marop: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **3**].

Total Specimens for 6 October 1977: 55

8 October 1977

South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1977: 1

10 October 1977

South Africa: Farm Kersbos: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 10 [10 - **10** - **10**].

Total Specimens for 10 October 1977: 10

15 October 1977

South Africa: Schurueberg [=Schurweberg] Cave No.1: ?: Collector Unknown: BRTC: 4 [4 - **4** - **4**].

Total Specimens for 15 October 1977: 4

16 October 1977

South Africa: Farm Kersbos: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 October 1977: 1

18 October 1977

Botswana: Drotsky Cave: : SMF: 1 [1 - **1**] - Drotsky's [= Drodsky] Caves: Boesneck, J.: SMF: 87 [87 - **87** - **88**].

Total Specimens for 18 October 1977: 88

19 October 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 11 [11 - **11** - **11**].

Total Specimens for 19 October 1977: 11

27 October 1977

South Africa: N'Wanetsi Gorge: Whitfield, E.A.: KNP: 3 [3 - **3** - **3**].

Total Specimens for 27 October 1977: 3

4 November 1977

Namibia: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Rundu, 66 km S, 113 km E: Lester, L.A.: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 4 November 1977: 2

5 November 1977

Namibia: Rundu, 66 km S, 113 km E: Lester, L.A.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1977: 1

15 November 1977

Namibia: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1977: 1

17 November 1977

South Africa: Farm Marthavale: de Jager, J.G.: TM: 4 [4 - **4** - **4**].

Total Specimens for 17 November 1977: 4

20 November 1977

South Africa: Umkomaas: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1977: 1

22 November 1977

Malawi: Chintheche: Jooris: RMCA: 1 [1 - **1** - **1**].
South Africa: Roseneath: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1977: 2

26 November 1977

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 5 [5]; Kyongo, Robert N.: RMNH: 3 [3 - **8**] - Muumandu: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **9**].
South Africa: Farm Marthavale: de Jager, J.G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1977: 10

27 November 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - Muumandu: Kyongo, Robert N.: RMNH: 4 [4 - **4** - **6**].

Total Specimens for 27 November 1977: 6

28 November 1977

Kenya: Muumandu: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1977: 1

29 November 1977

Kenya: Muumandu: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1977: 1

1 December 1977

Congo (Democratic Republic of the): Kongolo, island: Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1977: 1

4 December 1977

South Africa: Farm Makalali: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1977: 1

8 December 1977

South Africa: Farm Makalali: ?: Collector Unknown: TM: 1 [1 - **1**] - Makalali: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 8 December 1977: 2

9 December 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 December 1977: 2

12 December 1977

South Africa: Makalali Farm: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 12 December 1977: 2

13 December 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 3 [3 - **3**] - Kiboko: Kyongo, Robert N.: RMNH: 2 [2 - **2** - **5**].
South Sudan: Torit: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - Torit, 80 km E: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **2**].

Total Specimens for 13 December 1977: 7

14 December 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1977: 1

15 December 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 9 [9 - **9**] - Kiboko: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **10**].
South Sudan: Kapoeta: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - Torit, 80 km E: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **2**].

Total Specimens for 15 December 1977: 12

16 December 1977

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - Kiboko: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **2**].

Total Specimens for 16 December 1977: 2

17 December 1977

South Sudan: Kapoeta: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1977: 1

19 December 1977

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1977: 1

31 December 1977

South Sudan: Nagishot: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1977: 1

1 January 1978

Kenya: Chemilil: Hoevers, L.G.: CAS: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1978: 2

2 January 1978

South Africa: Vernon Crooks Nature Reserve: Sowler, G.A.: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1978: 1

3 January 1978

South Africa: Vernon Crookes Nature Reserve: ?: Collector Unknown: TM: 13 [13 - **13**] - Vernon Crooks Nature Reserve: Sowler, G.A.: TM: 18 [18 - **18** - **31**].

Total Specimens for 3 January 1978: 31

4 January 1978

South Africa: Vernon Crooks Nature Reserve: Sowler, G.A.: TM: 1 [1 - **1** - **1**].
South Sudan: Gilo: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1978: 2

5 January 1978

South Sudan: Gilo: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1978: 1

7 January 1978

South Africa: Kamberg Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - KwaSheleni: ?: Collector Unknown: DNSM: 3 [3 - **3** - **4**].

Total Specimens for 7 January 1978: 4

12 January 1978

Malawi: Chintheche: Jocque: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 12 January 1978: 2

14 January 1978

Nigeria: Unknown locality: ?: Collector Unknown: SMF: 39 [39 - **39** - **39**].

Total Specimens for 14 January 1978: 39

18 January 1978

Tanzania: Kisarawe, near: Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1978: 1

23 January 1978

South Africa: Vernon Crookes Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1978: 1

24 January 1978

Malawi: Chintheche: Jocque: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1978: 1

29 January 1978

Nigeria: Alimbo Ferry Road: Reid, C.J.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1978: 1

1 February 1978

South Sudan: Sharq al Istiwa'iyah state: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1978: 1

3 February 1978

South Africa: Craigadam: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1978: 1

5 February 1978

South Africa: Dumisa Gold Mine: Wolhuter, David A.: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1978: 1

8 February 1978

Mozambique: Muchena: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 2 [2 - **2** - **2**].
South Africa: Unknown locality: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1**] - Cederberg, Algeria State Forest, campsite: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 6 [6 - **6** - **7**].

Total Specimens for 8 February 1978: 9

9 February 1978

Mozambique: Muchena: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1** - **1**].
South Africa: Cederberg, Algeria State Forest, campsite: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 4 [4 - **4**] - Madimbo Military area: Ellis, S.: TM: 1 [1 - **1** - **5**].

Total Specimens for 9 February 1978: 6

10 February 1978

South Africa: Unknown locality: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1**] - Cederberg, Algeria State Forest, campsite: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 5 [5 - **5**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1** - **7**].

Total Specimens for 10 February 1978: 7

11 February 1978

South Africa: Cederberg, Algeria State Forest, campsite: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 2 [2 - **2** - **2**].

Total Specimens for 11 February 1978: 2

17 February 1978

South Africa: Roseneath: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1978: 1

18 February 1978

Kenya: Mbevo Hills: Ithia, Julius M.K.: CUMV: 7 [7 - **7** - **7**].

Total Specimens for 18 February 1978: 7

19 February 1978

Algeria: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1978: 1

22 February 1978

Malawi: Chintheche: Jocque: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1978: 1

23 February 1978

Rwanda: Gasiza: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Total Specimens for 23 February 1978: 2

9 March 1978

South Africa: Waterkloof: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1978: 1

15 March 1978

Zimbabwe: Chirinda Pools: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1978: 1

22 March 1978

Liberia: Sinoe county: Johnson: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1978: 1

26 March 1978

Ethiopia: Lalibela: ?: Collector Unknown: MZUF: 4 [4 - **4** - **4**].

Total Specimens for 26 March 1978: 4

29 March 1978

South Africa: Dumisa Gold Mine: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 29 March 1978: 2

1 April 1978

South Africa: Kabusi Forest station: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Transvaal Museum workshop: de Jager, J.G.: TM: 1 [1 - **1** - **2**].

Total Specimens for 1 April 1978: 2

2 April 1978

Senegal: Ba Foula Bé: KUL-expedition (Katholieke Universiteit Leuven), The: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 2 April 1978: 2

3 April 1978

Senegal: Badi: KUL-expedition (Katholieke Universiteit Leuven), The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1978: 1

4 April 1978

South Africa: Roseneath: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1978: 1

6 April 1978

South Africa: Ellingham: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 6 April 1978: 1

8 April 1978

South Sudan: Gilo: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1978: 1

10 April 1978

South Sudan: Gilo: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1978: 1

11 April 1978

Sierra Leone: Bumban, 1 mi E: Krebs, John W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 11 April 1978: 2

12 April 1978

South Africa: Doornhoek: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 12 April 1978: 3

18 April 1978

Sierra Leone: Fadugu: Krebs, John W.: USNM: 4 [4 - **4** - **4**].
South Africa: Brits: Jacobsen, N.J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1978: 5

21 April 1978

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 10 [10 - **10** - **10**].

Total Specimens for 21 April 1978: 10

22 April 1978

Congo (Democratic Republic of the): Munga: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1978: 2

24 April 1978

Congo (Democratic Republic of the): Ba Balaye: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 20 [20 - **20** - **20**].

Total Specimens for 24 April 1978: 21

25 April 1978

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 24 [24 - **24** - **24**].
Sierra Leone: Hanjama, 1 mi [= 1.6 km] W: Krebs, John W.: USNM: 29 [29 - **29**] - Hanjama, 1 mi S: Krebs, John W.: USNM: 1 [1 - **1** - **30**].

Total Specimens for 25 April 1978: 54

26 April 1978

Kenya: Katuaa Market: Ithia, Julius M.K.: CUMV: 14 [14 - **14** - **14**].
Sierra Leone: Segbwema: Krebs, John W.: USNM: 6 [6 - **6**] - Segbwemba: Krebs, John W.: USNM: 2 [2 - **2** - **8**].

Total Specimens for 26 April 1978: 22

29 April 1978

South Africa: Ellingham: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1978: 1

4 May 1978

Sierra Leone: Segbwema: Krebs, John W.: USNM: 7 [7 - **7**] - Segbwemba: Krebs, John W.: USNM: 1 [1 - **1** - **8**].

Total Specimens for 4 May 1978: 8

15 May 1978

Burundi: Cibitoke: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1978: 1

16 May 1978

Sierra Leone: Konia, 5 mi SE: Krebs, John W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1978: 1

17 May 1978

South Africa: Groendal Wilderness Area: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 17 May 1978: 3

19 May 1978

South Africa: Groendal Wilderness Area: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1978: 1

22 May 1978

South Africa: Ladybrand: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1978: 1

30 May 1978

Namibia: Ganab waterhole: Coetzee, C.G.; Simoes, A.P.; Rautenbach, Ignatius Lourens [=Naas]: SMW: 2 [2 - **2**] - Namib Park, Ganab water hole: Rautenbach, Ignatius Lourens [=Naas]; Coetzee, C.G.: TM: 2 [2 - **2** - **4**].

Total Specimens for 30 May 1978: 4

31 May 1978

Namibia: Namib Park, Ganab water hole: Rautenbach, Ignatius Lourens [=Naas]; Coetzee, C.G.: TM: 2 [2 - **2**] - Tumasberg: Coetzee, C.G.: SMW: 1 [1 - **1** - **3**].

Total Specimens for 31 May 1978: 3

1 June 1978

Namibia: Bats Hole: Coetzee, C.G.: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **4**] - Bat's hole [=Bats cave]: ?: Collector Unknown: TM: 2 [2 - **2** - **6**].
Sierra Leone: Segbwema, 1 mi [= 1.6 km]SE: Krebs, John W.: USNM: 44 [44 - **44** - **44**].

Total Specimens for 1 June 1978: 50

16 June 1978

Sierra Leone: Yengewa, 0.5 mi E: Krebs, John W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1978: 2

17 June 1978

Central African Republic: Gounda camp: Buchanan, Stuart A.: CM: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1978: 1

18 June 1978

Central African Republic: Gounda camp: ?: Collector Unknown: CM: 2 [2 - **2** - **2**].
Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 1 [1 - **1**] - Kyangili: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **2**].

Total Specimens for 18 June 1978: 4

21 June 1978

Kenya: Muumandu: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1978: 1

23 June 1978

Côte d'Ivoire: Lamto Ecology Station: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1978: 1

26 June 1978

Côte d'Ivoire: Lamto Ecology Station: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].
South Africa: Roseneath: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1978: 2

28 June 1978

Cameroon: Yaoundé, 9 km S, 10 km W: Robbins, Lynn W.: CM: 1 [1]; Robbins, Lynn W.; Robbins, R. Laurie: CM: 11 [11]; Robbins, Lynn W.; Williams, Stephen L.: CM: 2 [2 - **14** - **14**].

Total Specimens for 28 June 1978: 14

1 July 1978

Côte d'Ivoire: Lamto Ecology Station: Fenton, Melville Brock: ROM: 2 [2 - **2** - **2**].
Namibia: Farm Etaneno 44: Simoes, A.P.: SMW: 2 [2 - **2**] - Farm Etaneo 44: Simoes, A.P.: SMW: 1 [1 - **1** - **3**].
South Sudan: Talanga Forest: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1978: 6

2 July 1978

South Sudan: Talanga forest: Nikolaus, Gerhard: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 2 July 1978: 2

3 July 1978

Nigeria: Wikki: Demeter, Andras: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1978: 1

4 July 1978

Cameroon: Obala, 30 km N, 40 km E: Robbins, Lynn W.; Robbins, R. Laurie: CM: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1978: 1

6 July 1978

Côte d'Ivoire: Lamto Ecology Station: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1978: 1

7 July 1978

Cameroon: Yaoundé, 7 km S, 8 km W: Robbins, Lynn W.: CM: 1 [1]; Robbins, Lynn W.; Robbins, R. Laurie: CM: 4 [4]; Williams, Stephen L.: CM: 1 [1 - **6** - **6**].
Sierra Leone: Panguma, 10 mi [=16 km]N: Krebs, John W.: USNM: 2 [2 - **2**] - Panguma, 10 mi N: Krebs, John W.: USNM: 3 [3 - **3** - **5**].

Total Specimens for 7 July 1978: 11

8 July 1978

Côte d'Ivoire: Lamto Ecology Station: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].
Kenya: Lutore forest: Williams: ROM: 1 [1 - **1** - **1**].
Liberia: Sanniquellie, 5 mi S: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1978: 3

9 July 1978

Benin: Pendjari Park: Green, Arthur A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1978: 1

10 July 1978

Benin: Pendjari Park: Green, Arthur A.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1978: 1

11 July 1978

Benin: Pendjari Park: Green, Arthur A.: ROM: 1 [1 - **1** - **1**].
Côte d'Ivoire: Lamto Ecology Station: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].
Liberia: Grassfield: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1978: 3

12 July 1978

Liberia: Tokadeh: Oxford University Expedition to Mount Nimba, The: BMNH: 3 [3 - **3** - **3**].
Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 2 [2 - **2** - **2**].
South Africa: Saasveld Forestry College: Breytenbach, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1978: 6

13 July 1978

South Africa: Greenpoint Lighthouse: Sowler, S.G.: ZMA: 1 [1 - **1**] - Kok's farm: Wolhuter, David A.: TM: 1 [1 - **1** - **2**].

Total Specimens for 13 July 1978: 2

14 July 1978

Benin: Pendjari Park: Green, Arthur A.: ROM: 1 [1 - **1** - **1**].
Cameroon: Ngaoundéré: Williams, S.H.: CM: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1978: 2

17 July 1978

Cameroon: Ngaoundéré, 13 km S: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].
South Sudan: Kajiko North: Nikolaus, Gerhard: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 17 July 1978: 3

18 July 1978

South Sudan: Kajiko South: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1978: 1

19 July 1978

South Sudan: Kajiko North: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1978: 1

20 July 1978

Benin: Pendjari Park: Green, Arthur A.: ROM: 2 [2 - **2** - **2**].
Kenya: Shimba Hills Nature Reserve: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].
South Sudan: Kajiko South: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1978: 4

21 July 1978

Tanzania: Dar es Salaam University: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1978: 1

22 July 1978

Benin: Pendjari Park: Green, Arthur A.: ROM: 3 [3 - **3** - **3**].
Cameroon: Garoua, 24 km S, 13 km E: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].
Nigeria: Wikki: Demeter, Andras: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1978: 5

23 July 1978

Benin: Pendjari Park: Green, Arthur A.: ROM: 1 [1 - **1** - **1**].
Nigeria: Wikki: Demeter, Andras: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1978: 2

25 July 1978

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 5 [5 - **5**] - Mukanda river: Kyongo, Robert N.: RMNH: 3 [3 - **3** - **8**].
South Sudan: Kajo Kaji, 10 mi W: Nikolaus, Gerhard: SMNS: 3 [3 - **3** - **3**].
Sudan: Kajo Kaji, 10 km W: Nikolaus, Gerhard: SMNS: 6 [6 - **6** - **6**].

Total Specimens for 25 July 1978: 17

26 July 1978

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 8 [8 - **8** - **8**].
Liberia: Grassfield: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1978: 9

27 July 1978

Liberia: South Nimba: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **1**].
South Sudan: Korobi, mount: Nikolaus, Gerhard: SMNS: 2 [2 - **2** - **2**].

Total Specimens for 27 July 1978: 3

28 July 1978

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1978: 1

29 July 1978

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 4 [4 - **4**] - Shimba Hills Nature Reserve: Kyongo, Robert N.: RMNH: 2 [2 - **2** - **6**].

Total Specimens for 29 July 1978: 6

30 July 1978

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - Coast [former] province: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - Shimba Hills Nature Reserve: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **4**].

Total Specimens for 30 July 1978: 4

1 August 1978

Cameroon: Ambam, 13 km S, 5 km E: Robbins, Lynn W.: CM: 2 [2]; Robbins, Lynn W.; Robbins, R. Laurie: CM: 5 [5 - **7** - **7**].
Nigeria: Wikki: Demeter, Andras: HNHM: 5 [5 - **5** - **5**].
South Africa: Goegab: Herselman, J.C.: KM: 1 [1 - **1**] - Town Bush Valley, Town Bush Cave: Wolhuter, David A.: TM: 1 [1 - **1** - **2**].

Total Specimens for 1 August 1978: 14

2 August 1978

Liberia: Tokaden, mount: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **1**].
Nigeria: Wikki: Demeter, Andras: HNHM: 3 [3 - **3** - **3**].

Total Specimens for 2 August 1978: 4

3 August 1978

Cameroon: Ambam, 10 km S, 5 km E: Williams, Stephen L.: CM: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1978: 1

4 August 1978

Cameroon: Yaoundé, 7 km S, 8 km W: Schlitter, Duane Albert; Williams, Stephen L.: CM: 2 [2 - **2** - **2**].

Total Specimens for 4 August 1978: 2

6 August 1978

Cameroon: Yaoundé, 16 km S, 2 km E: Schlitter, Duane Albert; Williams, Stephen L.: CM: 1 [1]; Williams, Stephen L.: CM: 1 [1 - **2**] - Yaoundé, 25 km S 3 km E: Robbins, Lynn W.; Robbins, R. Laurie: CM: 1 [1 - **1** - **3**].
Nigeria: Futuk: Demeter, Andras: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1978: 4

7 August 1978

Cameroon: Yaoundé, 7 km S, 8 km W: Robbins, Lynn W.; Robbins, R. Laurie: CM: 1 [1]; Schlitter, Duane Albert; Williams, Stephen L.: CM: 1 [1 - **2** - **2**].
Nigeria: Futuk: Demeter, Andras: HNHM: 1 [1 - **1** - **1**].
South Sudan: Maridi: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
Sudan: Maridi: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1978: 5

8 August 1978

Cameroon: Yaoundé, 16 km S, 2 km E: Schlitter, Duane Albert: CM: 1 [1]; Schlitter, Duane Albert; Williams, Stephen L.: CM: 2 [2]; Williams, Stephen L.: CM: 2 [2 - **5**] - Yaoundé, 23 km S, 1 km E: Robbins, Lynn W.: CM: 1 [1]; Robbins, Lynn W.; Robbins, R. Laurie: CM: 4 [4 - **5** - **10**].

Total Specimens for 8 August 1978: 10

10 August 1978

Liberia: Unknown locality: ?: Collector Unknown: BMNH: 3 [3]; Oxford University Expedition to Mount Nimba, The: BMNH: 1 [1 - **4** - **4**].
Nigeria: Wikki: Demeter, Andras: HNHM: 24 [24 - **24** - **24**].

Total Specimens for 10 August 1978: 28

11 August 1978

Cameroon: Eseka, 3 km S, 3 km W: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1978: 1

13 August 1978

Cameroon: Eseka, 3 km S, 3 km W: Robbins, Lynn W.: CM: 1 [1]; Robbins, Lynn W.; Robbins, R. Laurie: CM: 2 [2 - **3** - **3**].
Nigeria: Wikki: Demeter, Andras: HNHM: 22 [22 - **22** - **22**].

Total Specimens for 13 August 1978: 25

16 August 1978

Liberia: South Nimba: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1978: 1

17 August 1978

Congo (Democratic Republic of the): Kinda: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 17 August 1978: 2

18 August 1978

Sierra Leone: Fadugu: Krebs, John W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1978: 1

23 August 1978

Congo (Democratic Republic of the): Bene Longo: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 23 August 1978: 2

26 August 1978

Liberia: North Beeton: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1978: 1

27 August 1978

Algeria: Unknown locality: Bio-Speological Expedition to Algeria (1978), The: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 August 1978: 2

28 August 1978

Nigeria: Maiduguri: Ford: HZM: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1978: 1

4 September 1978

Cameroon: Mount Manengouba: Prévost, J.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1978: 1

6 September 1978

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 4 [4 - **4** - **4**].
South Africa: Punda Maria Shop: Pienaar, Uys de Villiers; Joubert, S.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1978: 5

7 September 1978

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 September 1978: 1

8 September 1978

Ghana: Legon: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1978: 1

9 September 1978

Congo (Democratic Republic of the): Bakwakenge: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1978: 1

13 September 1978

Ghana: Nkawkaw, 3.25 km N, 1.33 km W: Schlitter, Duane Albert: CM: 4 [4 - **4** - **4**].
Sudan: Raffile: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - Sue River: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **2**].

Total Specimens for 13 September 1978: 6

20 September 1978

Mauritius: Cascade river: : BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1978: 1

21 September 1978

South Africa: Ellingham: Sowler, S.G.: ZMA: 1 [1 - **1**] - Umkomaas: Sowler, S.G.: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 21 September 1978: 2

22 September 1978

South Africa: Springbok, 14 km N, 44 km W: Visser, John: KM: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1978: 1

25 September 1978

Sierra Leone: Serabu: Krebs, John W.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 25 September 1978: 3

27 September 1978

Morocco: Peñon de Alhucemas island: Busto, B.: EBD: 2 [2 - **2** - **2**].

Total Specimens for 27 September 1978: 2

28 September 1978

Kenya: Shimba Hills Nature Reserve: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].
Mauritius: Cascade river: : BMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1978: 2

2 October 1978

Central African Republic: Koumbala Camp: Buchanan, Stuart A.: CM: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1978: 1

3 October 1978

Morocco: Peñon de Alhucemas island: Busto, B.: EBD: 2 [2 - **2** - **2**].

Total Specimens for 3 October 1978: 2

4 October 1978

South Africa: Nahoon Point, 5 km S, 7.5 km W: Hart, A.: MSB: 1 [1]; Wingate, Lloyd R.: MSB: 1 [1 - **2** - **2**].

Total Specimens for 4 October 1978: 2

5 October 1978

Morocco: Peñon de Alhucemas island: Busto, B.: EBD: 1 [1 - **1** - **1**].

Total Specimens for 5 October 1978: 1

7 October 1978

Congo (Democratic Republic of the): Lukonga: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 7 October 1978: 2

9 October 1978

Central African Republic: Gounda camp: Buchanan, Stuart A.: CM: 3 [3 - **3** - **3**].

Total Specimens for 9 October 1978: 3

10 October 1978

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1978: 1

11 October 1978

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 9 [9 - **9** - **9**].
South Africa: Schurweberg: Kramer, H.H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1978: 10

12 October 1978

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 3 [3 - **3** - **3**].
Somalia: Gelib: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1978: 4

13 October 1978

Central African Republic: Gounda camp: Buchanan, Stuart A.: CM: 9 [9 - **9** - **9**].

Total Specimens for 13 October 1978: 9

14 October 1978

Central African Republic: Gounda camp: Buchanan, Stuart A.: CM: 7 [7 - **7** - **7**].

Total Specimens for 14 October 1978: 7

17 October 1978

Sierra Leone: Panguma, 10 mi [=16 km]N: Krebs, John W.: USNM: 1 [1 - **1**] - Panguma, 10 mi N: Krebs, John W.: USNM: 2 [2 - **2** - **3**].

Total Specimens for 17 October 1978: 3

18 October 1978

Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 18 October 1978: 2

21 October 1978

Central African Republic: Ndele and Vakaga, between: Buchanan, Stuart A.: CM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1978: 1

22 October 1978

Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 22 October 1978: 2

23 October 1978

Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 1 [1 - **1** - **1**].

South Africa: Munthouse, Visagie Street: ?: Collector Unknown: TM: 1 [1 - **1**] - Pretoria: Groenewald: TM: 1 [1 - **1** - **2**].

Total Specimens for 23 October 1978: 3

24 October 1978

Central African Republic: Koumbala Camp: Buchanan, Stuart A.: CM: 3 [3 - **3** - **3**].
Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 24 October 1978: 6

25 October 1978

Central African Republic: Koumbala Camp: Buchanan, Stuart A.: CM: 1 [1 - **1** - **1**].
Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1978: 2

26 October 1978

Central African Republic: Koumbala Camp, 11.5 km NW: Buchanan, Stuart A.: CM: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1978: 1

30 October 1978

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1978: 1

1 November 1978

Egypt: Denderah Temple: Tattersall, Ian: AMNH: 2 [2 - **2** - **2**].
South Africa: De Hoop Nature Reserve, De Hoop Guano Cave: ?: Collector Unknown: TM: 13 [13]; Herselman, J.C.: TM: 1 [1 - **14**] - De Hoop Provincial Nature Reserve: Herselman, J.C.: TM: 11 [11 - **11** - **25**].

Total Specimens for 1 November 1978: 27

5 November 1978

Somalia: Mallable: Ash, John S.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 5 November 1978: 3

6 November 1978

Somalia: Mallable: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1978: 1

7 November 1978

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
South Africa: Dumisa Gold Mine: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1978: 2

9 November 1978

South Africa: Ellingham: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1978: 1

11 November 1978

Tanzania: Dar es Salaam: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1978: 1

13 November 1978

Burundi: Unknown locality: Roest, F.C.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1978: 1

14 November 1978

Botswana: Unknown locality: Camerik, Anne Margariette: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 14 November 1978: 2

19 November 1978

Algeria: Mascara province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1978: 1

26 November 1978

Kenya: Langata forest: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1978: 1

27 November 1978

Congo (Democratic Republic of the): Tshibungu: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1978: 1

29 November 1978

South Africa: Skukuza: Pretorius, B.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1978: 1

1 December 1978

South Africa: W.N.L.A. Garden, Pafuri: Mockford, H.H.; Nel, P.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1978: 1

7 December 1978

South Africa: Dumisa Gold Mine: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1978: 1

8 December 1978

South Africa: Barberton: ?: Collector Unknown: TM: 5 [5 - **5**] - Barberton [=Umhlumna]: Ginn, P.J.G.: TM: 2 [2 - **2** - **7**].

Total Specimens for 8 December 1978: 7

11 December 1978

South Africa: Barberton: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1978: 1

12 December 1978

South Africa: Barberton: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 12 December 1978: 2

13 December 1978

South Africa: Barberton: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1978: 1

15 December 1978

Sierra Leone: Yengema: Krebs, John W.: USNM: 17 [17 - **17** - **17**].

Total Specimens for 15 December 1978: 17

16 December 1978

Sierra Leone: Panguma, 10 mi [=16 km]N: Krebs, John W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1978: 1

20 December 1978

South Sudan: Malakal: Walen, A.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 20 December 1978: 2

24 December 1978

South Sudan: Malakal: Walen, A.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1978: 1

1 January 1979

Nigeria: Kano: Crick, H.: HZM: 1 [1 - **1**] - Kilboa, 20 mi W: Ford, A.: HZM: 2 [2 - **2** - **3**].
South Africa: King William's Town: Hart, A.: MSB: 1 [1 - **1**] - Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1**] - Unnamed locality: ?: Collector Unknown: ZMA: 2 [2 - **2** - **4**].

Total Specimens for 1 January 1979: 7

4 January 1979

Namibia: Sesfontein: Coetzee, C.G.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1979: 1

6 January 1979

Cameroon: Ydé: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 January 1979: 1

7 January 1979

South Africa: Ventersburg: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 7 January 1979: 2

9 January 1979

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Farm Goedhoek [=Goudhoek]: Wolhuter, David A.: TM: 2 [2 - **2**] - King William's Town: Wingate, Lloyd R.; Shei, C.: TTU: 1 [1 - **1**] - King Williamstown: Wingate, Lloyd R.: KM: 1 [1 - **1** - **4**].

Total Specimens for 9 January 1979: 5

11 January 1979

Cameroon: Ydé: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1979: 1

13 January 1979

South Africa: Mahogany Drive: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1979: 1

14 January 1979

Cameroon: Ydé: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 14 January 1979: 2

15 January 1979

South Africa: King Williamstown: Wingate, Lloyd R.: KM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1979: 1

16 January 1979

Kenya: Kariandusi mines: Walen, A.: ZMA: 2 [2 - **2** - **2**].
South Africa: Stormsriver State Forest Station: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1979: 3

19 January 1979

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1979: 1

20 January 1979

Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1979: 1

22 January 1979

Kenya: Menengai: Walen, A.: ZMA: 1 [1 - **1**] - Menengai Crater: Walen, A.: ZMA: 4 [4 - **4** - **5**].
Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 1 [1 - **1** - **1**].
South Africa: Karoo-NP: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.; de Graaff: TM: 2 [2 - **3**] - Langebaanweg, Chemfos mine: Tembo, I.: SAMC: 1 [1 - **1** - **4**].

Total Specimens for 22 January 1979: 10

23 January 1979

Kenya: Menengai Caldera: Walen, A.: ZMA: 1 [1 - **1**] - Menengai Crater: Walen, A.: ZMA: 2 [2 - **2** - **3**].
Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1979: 4

24 January 1979

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 3 [3 - **3** - **3**].

Total Specimens for 24 January 1979: 3

25 January 1979

Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 25 January 1979: 2

26 January 1979

Somalia: Mareri: Johnson, P.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1979: 1

27 January 1979

Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1979: 1

29 January 1979

Sierra Leone: Panguma, 10 mi N: Krebs, John W.: USNM: 1 [1 - **1** - **1**].
South Africa: Dumisa Gold Mine: Wolhuter, David A.: TM: 2 [2 - **2** - **2**].

Total Specimens for 29 January 1979: 3

30 January 1979

South Africa: Karoo-NP: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: TM: 1 [1 - **2** - **2**].

Total Specimens for 30 January 1979: 2

31 January 1979

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1979: 1

2 February 1979

Guinea-Bissau: Bolama: de Waart, J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1979: 1

5 February 1979

South Sudan: Didinga mountains, western foothils: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1979: 1

6 February 1979

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 9 [9 - **9** - **9**].

Total Specimens for 6 February 1979: 9

7 February 1979

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 10 [10 - **10** - **10**].
South Sudan: Didinga mountains, western foothils: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1979: 11

8 February 1979

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 7 [7 - **7** - **7**].
South Africa: Scottburgh: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1979: 8

9 February 1979

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 14 [14 - **14** - **14**].
South Africa: Farm Goedhoek [=Goudhoek]: Wolhuter, David A.: TM: 4 [4 - **4**] - Scottburgh: Sowler, S.G.: ZMA: 1 [1 - **1** - **5**].

Total Specimens for 9 February 1979: 19

10 February 1979

South Africa: Kammannassie M.C.A [Camp 2]: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1979: 1

13 February 1979

Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1979: 1

15 February 1979

South Africa: Stormsriver State Forest Station: Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: TM: 6 [6 - **6** - **6**].

Total Specimens for 15 February 1979: 6

16 February 1979

South Africa: Stormsriver State Forest Station: Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: TM: 7 [7 - **7** - **7**].

Total Specimens for 16 February 1979: 7

17 February 1979

South Sudan: Jebel Kasangor: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1979: 1

19 February 1979

Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 19 February 1979: 2

20 February 1979

Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 6 [6 - **6** - **6**].

Total Specimens for 20 February 1979: 6

23 February 1979

South Sudan: Boma Mountains, Western foothills: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1979: 1

25 February 1979

Cameroon: Buéa: : SMF: 1 [1 - **1**] - Sud-Ouest region: ?: Collector Unknown: SMF: 4 [4 - **4** - **5**].

Total Specimens for 25 February 1979: 5

26 February 1979

South Africa: Pietermaritzburg, 20 km ENE: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1979: 1

27 February 1979

Algeria: Pool: James, D.K.: BMNH: 3 [3 - **3** - **3**].

Total Specimens for 27 February 1979: 3

28 February 1979

Burundi: Resha: Stephan, Heinz: SMF: 3 [3 - **3** - **3**].
South Africa: Greenpoint Lighthouse: Sowler, S.G.: ZMA: 1 [1 - **1**] - Town Bush Valley, Town Bush Cave: Wolhuter, David A.: TM: 1 [1 - **1** - **2**].

Total Specimens for 28 February 1979: 5

1 March 1979

Burundi: Resha: Stephan, Heinz: SMF: 3 [3 - **3** - **3**].
Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Mali: Toguere-Koumbé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1979: 5

2 March 1979

Burundi: Resha: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].

Total Specimens for 2 March 1979: 2

3 March 1979

Burundi: Unknown locality: Stephan, Heinz: SMF: 3 [3 - **3**] - Nyanza Lac: Stephan, Heinz: SMF: 2 [2 - **2**] - Nyanza Lac, 10 km N: Stephan, Heinz: SMF: 3 [3 - **3**] - Resha: Stephan, Heinz: SMF: 1 [1 - **1** - **9**].

Total Specimens for 3 March 1979: 9

4 March 1979

Burundi: Rutana: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 5 [5 - **5** - **5**].

Total Specimens for 4 March 1979: 6

5 March 1979

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 13 [13 - **13** - **13**].

Total Specimens for 5 March 1979: 13

6 March 1979

Burundi: Rutana: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].
Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 22 [22 - **22** - **22**].

Total Specimens for 6 March 1979: 24

7 March 1979

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 28 [28 - **28** - **28**].

Total Specimens for 7 March 1979: 28

8 March 1979

Burundi: Giheta: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - Konza: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **2**].

Total Specimens for 8 March 1979: 3

9 March 1979

Burundi: Kirundo province: Stephan, Heinz: SMF: 1 [1 - **1**] - Lake Cohoha: Stephan, Heinz: SMF: 4 [4 - **4** - **5**].
South Africa: Skukuza: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1979: 6

10 March 1979

Burundi: Lake Cohoha: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].

Total Specimens for 10 March 1979: 2

11 March 1979

Burundi: Lake Cohoha: Stephan, Heinz: SMF: 1 [1 - **1**] - Resha: : SMF: 1 [1 - **1** - **2**].

Total Specimens for 11 March 1979: 2

12 March 1979

Burundi: Kayanza: Stephan, Heinz: SMF: 5 [5 - **5** - **5**].

Total Specimens for 12 March 1979: 5

13 March 1979

Burundi: Ngozi province: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
South Africa: Kruger National Park: Massyn, William: KNP: 1 [1 - **1**] - Scottburgh: Sowler, S.G.: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 13 March 1979: 3

14 March 1979

Burundi: Gihanga: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].
Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 18 [18 - **18** - **18**].
South Africa: Mangadyane Koppies: Schrieber, A.: KNP: 1 [1 - **1**] - Shingomeni Out Post: Zway, P.: KNP: 2 [2 - **2** - **3**].

Total Specimens for 14 March 1979: 23

15 March 1979

Burundi: Unknown locality: Stephan, Heinz: SMF: 1 [1 - **1**] - Resha: Stephan, Heinz: SMF: 2 [2 - **2** - **3**].
Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 4 [4 - **4** - **4**].
South Africa: Skukuza: Massyn, William: KNP: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1979: 8

16 March 1979

Burundi: Resha: : SMF: 2 [2]; Stephan, Heinz: SMF: 1 [1 - **3** - **3**].

Total Specimens for 16 March 1979: 3

17 March 1979

Burundi: Resha: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1979: 1

18 March 1979

Burundi: Resha: : SMF: 1 [1 - **1** - **1**].
Cameroon: Buéa: : SMF: 2 [2 - **2** - **2**].
Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1979: 4

19 March 1979

Burundi: Resha: : SMF: 1 [1 - **1** - **1**].
Cameroon: Buéa: : SMF: 3 [3 - **3** - **3**].

Total Specimens for 19 March 1979: 4

21 March 1979

Burundi: Bujumbura, 7 km NW: Stephan, Heinz: SMF: 4 [4 - **4** - **4**].
Namibia: Sesfontein: Simoes, A.P.: SMW: 4 [4 - **4** - **4**].

Total Specimens for 21 March 1979: 8

22 March 1979

Namibia: Sesfontein: Simoes, A.P.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1979: 1

23 March 1979

Cameroon: Buéa: : SMF: 2 [2 - **2** - **2**].
Namibia: Sesfontein: Simoes, A.P.: SMW: 4 [4 - **4** - **4**].
Réunion: Etang Salé: Véto, Dr.; Moutou, F.: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1979: 7

24 March 1979

Cameroon: Buéa: : SMF: 1 [1 - **1**] - Sud-Ouest region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 24 March 1979: 2

25 March 1979

Cameroon: Buéa: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1979: 1

26 March 1979

Burundi: Kayanza: Stephan, Heinz: SMF: 4 [4 - **4** - **4**].
South Africa: Phalaborwa Staff Village: Swart, J.: KNP: 2 [2 - **2** - **2**].

Total Specimens for 26 March 1979: 6

27 March 1979

Burundi: Kayanza: Stephan, Heinz: SMF: 4 [4 - **4** - **4**].

Total Specimens for 27 March 1979: 4

29 March 1979

South Africa: Umkomaas: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1979: 1

30 March 1979

Burundi: Resha: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1979: 1

31 March 1979

South Sudan: Boro river: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - Boro river, 25 km N: Nikolaus, Gerhard: SMNS: 5 [5 - **5** - **6**].

Total Specimens for 31 March 1979: 6

1 April 1979

Cameroon: Buéa: : SMF: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Bena Tshiadi: Robertson: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1979: 2

2 April 1979

Burundi: Resha: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kamueshi: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
South Africa: Ellingham: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1979: 3

3 April 1979

Burundi: Resha: Stephan, Heinz: SMF: 8 [8 - **8** - **8**].
Congo (Democratic Republic of the): Kamueshi: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].
South Africa: Pietermaritzburg, 20 km ENE: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1979: 12

4 April 1979

Burundi: Resha: Stephan, Heinz: SMF: 3 [3 - **3** - **3**].

Total Specimens for 4 April 1979: 3

5 April 1979

Burundi: Resha: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Kamueshi: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
Sudan: Rikki river: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1979: 4

6 April 1979

South Africa: Ellingham: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 6 April 1979: 2

7 April 1979

Libya: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1979: 1

10 April 1979

Congo (Democratic Republic of the): Katabayi: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1979: 1

14 April 1979

Kenya: Nairobi Area: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
South Africa: Ngubevu mine: Wolhuter, David A.: TM: 4 [4 - **4** - **4**].

Total Specimens for 14 April 1979: 6

15 April 1979

Kenya: Karen: Stephan, Heinz: SMF: 1 [1 - **1**] - Nairobi Area: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 15 April 1979: 2

18 April 1979

Congo (Democratic Republic of the): Biakabomba: Betu Nsankulu: RMCA: 1 [1 - **1**] - Mukwaya: Betu Nsankulu: RMCA: 1 [1 - **1** - **2**].
South Africa: Umkomaas: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1979: 3

21 April 1979

Kenya: Coast [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1979: 1

22 April 1979

Kenya: Coast [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1979: 1

23 April 1979

Kenya: Diani Beach Centre, 10 km S: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1979: 1

24 April 1979

Congo (Democratic Republic of the): Biakabomba: Betu Nsankulu: RMCA: 4 [4 - **4** - **4**].
Kenya: Coast [former] province: ?: Collector Unknown: SMF: 4 [4 - **4**] - Diani Beach, 10 km S: Stephan, Heinz: SMF: 4 [4 - **4** - **8**].

Total Specimens for 24 April 1979: 12

26 April 1979

Kenya: Bushwacker's Safari Camp: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].
South Africa: Bat's Cave: Swanepoel, Pierre; Wingate, Lloyd R.: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 26 April 1979: 6

28 April 1979

South Africa: St. Lucia: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1979: 1

29 April 1979

Kenya: Rift Valley [former] province: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 29 April 1979: 2

1 May 1979

Kenya: Nyanza [former] province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1979: 1

3 May 1979

Kenya: Kakamega Forest: Stephan, Heinz: SMF: 3 [3 - **3** - **3**].
South Africa: Town Bush Valley, Town Bush Cave: Wolhuter, David A.: TM: 2 [2 - **2** - **2**].

Total Specimens for 3 May 1979: 5

6 May 1979

South Africa: Dumisa Gold Mine: ?: Collector Unknown: TM: 2 [2 - **2**] - Pafuri: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **3**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Pafuriv area: Rautenbach, Ignatius Lourens [=Naas]: KNP: 3 [3 - **3** - **9**].

Total Specimens for 6 May 1979: 9

7 May 1979

Kenya: Chyulu Hills National Park: ?: Collector Unknown: SMF: 1 [1 - **1**] - Eastern [former] province: ?: Collector Unknown: SMF: 4 [4 - **4** - **5**].
South Africa: Pafuri: ?: Collector Unknown: NMB: 1, TM: 3 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **5**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Pafuriv area: Rautenbach, Ignatius Lourens [=Naas]: KNP: 2 [2 - **2** - **8**].

Total Specimens for 7 May 1979: 13

8 May 1979

South Africa: Pafuri: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6**] - Pafuriv area: Rautenbach, Ignatius Lourens [=Naas]: KNP: 2 [2 - **2** - **10**].

Total Specimens for 8 May 1979: 10

9 May 1979

South Africa: Pafuri: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **5** - **5**].

Total Specimens for 9 May 1979: 5

10 May 1979

South Africa: Pafuri: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Pafuriv area: Rautenbach, Ignatius Lourens [=Naas]: KNP: 2 [2 - **2** - **5**].

Total Specimens for 10 May 1979: 5

11 May 1979

South Africa: Kruger-NP, WNLA HQ: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - Pafuri: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Pafuriv area: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1 [1 - **1** - **7**].

Total Specimens for 11 May 1979: 7

12 May 1979

South Africa: Pafuri: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **4**].

Total Specimens for 12 May 1979: 4

13 May 1979

South Africa: Mahogany Drive: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1, TM: 4 [5 - **5**] - Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].

Total Specimens for 13 May 1979: 6

14 May 1979

Seychelles: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Mahogany Drive: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1, TM: 1 [2 - **2** - **2**].

Total Specimens for 14 May 1979: 3

15 May 1979

South Africa: Matukwala Dam: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Matukwaladam: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Matukwale Dam: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1 [1 - **1** - **3**].

Total Specimens for 15 May 1979: 3

16 May 1979

South Africa: Matukwala Dam: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - Punda Malia: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5**] - Punda Milia Camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Punda Milia, pumphouse: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein]: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **14**].

Total Specimens for 16 May 1979: 14

17 May 1979

South Africa: Dzundwini: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **2**].

Total Specimens for 17 May 1979: 2

18 May 1979

Seychelles: Praslin island: : SMF: 3 [3 - **3** - **3**].

Total Specimens for 18 May 1979: 3

20 May 1979

Congo (Democratic Republic of the): Mukwaya: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 20 May 1979: 3

21 May 1979

Seychelles: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 May 1979: 1

22 May 1979

Congo (Democratic Republic of the): Mukwaya: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
Seychelles: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1979: 2

23 May 1979

Namibia: Sesfontein: Simoes, A.P.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1979: 1

27 May 1979

Congo (Democratic Republic of the): Mbawu: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 27 May 1979: 3

29 May 1979

South Africa: Greenpoint Lighthouse: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 29 May 1979: 1

30 May 1979

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 30 [30 - **30** - **30**].
South Africa: Dumisa Gold Mine: Wolhuter, David A.: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 May 1979: 31

1 June 1979

Congo (Democratic Republic of the): Yalosemba: Robbins, C. Brian: MHNG: 2 [2 - **2** - **2**].

Total Specimens for 1 June 1979: 2

3 June 1979

South Africa: St. Lucia: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 3 June 1979: 2

5 June 1979

South Africa: Greenpoint Lighthouse: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 5 June 1979: 2

6 June 1979

South Africa: Umdoni Park: Wolhuter, David A.: TM: 2 [2 - **2** - **2**].

Total Specimens for 6 June 1979: 2

8 June 1979

South Africa: Pafuri: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **3**].

Total Specimens for 8 June 1979: 3

10 June 1979

Congo (Democratic Republic of the): Yalosemba: Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1979: 1

11 June 1979

Congo (Democratic Republic of the): Tandala: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 11 June 1979: 1

12 June 1979

Congo (Democratic Republic of the): Yalosemba: Robbins, C. Brian: USNM: 2 [2 - **2** - **2**].

Total Specimens for 12 June 1979: 2

13 June 1979

Congo (Democratic Republic of the): Yalosemba: Robbins, C. Brian: USNM: 2 [2 - **2** - **2**].

Total Specimens for 13 June 1979: 2

15 June 1979

Congo (Democratic Republic of the): Yalosemba: Meier, Florian: MHNG: 1 [1]; Robbins, C. Brian: USNM: 1 [1 - **2** - **2**].

Total Specimens for 15 June 1979: 2

16 June 1979

Burundi: Resha: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Yalosemba: Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **2**].

Total Specimens for 16 June 1979: 3

17 June 1979

Congo (Democratic Republic of the): Yalosemba: ?: Collector Unknown: MHNG: 3 [3]; Robbins, C. Brian: USNM: 37 [37]; Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **41** - **41**].

Total Specimens for 17 June 1979: 41

18 June 1979

Central African Republic: Badingua: Spinage, C.A.: BMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Yalosemba: Meier, Florian: MHNG: 3 [3]; Robbins, C. Brian: USNM: 1 [1 - **4** - **4**].

Total Specimens for 18 June 1979: 5

19 June 1979

Congo (Democratic Republic of the): Bombia Bonelu: Meier, Florian: MHNG: 1 [1 - **1**] - Yalosemba: Robbins, C. Brian: USNM: 5 [5 - **5**] - Yamazo Yamono: Meier, Florian: MHNG: 1 [1]; Robbins, C. Brian: USNM: 4 [4 - **5** - **11**].

Total Specimens for 19 June 1979: 11

20 June 1979

Central African Republic: Bamingui: Spinage, C.A.: BMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Yalosemba: Robbins, C. Brian: USNM: 1 [1 - **1**] - Yambomba: Meier, Florian: MHNG: 1 [1 - **1** - **2**].

Total Specimens for 20 June 1979: 4

21 June 1979

Congo (Democratic Republic of the): Yalosemba: Robbins, C. Brian: USNM: 2 [2 - **2** - **2**].
Nigeria: Ibadan University College: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 21 June 1979: 3

22 June 1979

Congo (Democratic Republic of the): Kimpoko: Mutashiya, Tsh: NMW: 1 [1 - **1**] - Yalosemba: Robbins, C. Brian: USNM: 5 [5 - **5** - **6**].
South Africa: Greenpoint Lighthouse: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1979: 7

23 June 1979

Congo (Democratic Republic of the): Yalosemba: ?: Collector Unknown: MHNG: 1 [1]; Meier, Florian: MHNG: 1 [1]; Robbins, C. Brian: USNM: 2 [2]; Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **5** - **5**].

Total Specimens for 23 June 1979: 5

24 June 1979

Central African Republic: Koumbala Camp: Buchanan, Stuart A.: CM: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1979: 1

26 June 1979

Congo (Democratic Republic of the): Yalosemba: Robbins, C. Brian: USNM: 2 [2]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **3**].

South Africa: Greenpoint Lighthouse: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1979: 4

27 June 1979

Congo (Democratic Republic of the): Yalosemba: ?: Collector Unknown: MHNG: 2 [2]; Robbins, C. Brian: USNM: 6 [6 - **8** - **8**].

Total Specimens for 27 June 1979: 8

28 June 1979

Congo (Democratic Republic of the): Yalosemba: ?: Collector Unknown: MHNG: 2 [2]; Robbins, C. Brian: USNM: 6 [6]; Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **9** - **9**].

Total Specimens for 28 June 1979: 9

29 June 1979

Central African Republic: Koumbala Camp: Buchanan, Stuart A.: CM: 2 [2 - **2** - **2**].

Total Specimens for 29 June 1979: 2

30 June 1979

Congo (Democratic Republic of the): Bwandza: Meier, Florian: MHNG: 3 [3 - **3**] - Yalosemba: Meier, Florian: MHNG: 2 [2]; Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.: TTU: 1 [1 - **4** - **7**].

Total Specimens for 30 June 1979: 7

4 July 1979

Egypt: Aswan: Robbins, Lynn W.: CM: 1 [1 - **1**] - Edfu: Helmy, Ibrahim: CM: 7 [7 - **7** - **8**].

Total Specimens for 4 July 1979: 8

5 July 1979

South Africa: Crocodile Bridge Rest Camp: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].

Total Specimens for 5 July 1979: 12

6 July 1979

Congo (Democratic Republic of the): Tandala: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1979: 1

7 July 1979

Congo (Democratic Republic of the): Tandala: ?: Collector Unknown: MHNG: 3 [3]; Robbins, C. Brian: USNM: 5 [5]; Robbins, Lynn W.; Robbins, C. Brian: CM: 2 [2 - **10** - **10**].
South Africa: Malelane: ?: Collector Unknown: TM: 10 [10 - **10** - **10**].

Total Specimens for 7 July 1979: 20

8 July 1979

South Africa: Malalane area: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Malelane: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **3**].

Total Specimens for 8 July 1979: 3

9 July 1979

Congo (Democratic Republic of the): Tandala: ?: Collector Unknown: MHNG: 1 [1]; Robbins, Lynn W.; Robbins, C. Brian: CM: 3 [3 - **4**] - Yalosemba: Meier, Florian: ZMMU: 1 [1 - **1** - **5**].
South Africa: Malelane: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1979: 6

10 July 1979

Congo (Democratic Republic of the): Tandala: ?: Collector Unknown: MHNG: 1 [1]; Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.; Robbins, C. Brian: CM: 3 [3 - **5** - **5**].
South Africa: Malelane: ?: Collector Unknown: TM: 1 [1 - **1**] - Stoltzneck Ranger's Post: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 10 July 1979: 7

11 July 1979

Congo (Democratic Republic of the): Tandala: ?: Collector Unknown: MHNG: 1 [1]; Meier, Florian: MHNG: 1 [1]; Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **4** - **4**].
South Africa: Stoltzneck dam: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Stoltznek Dam: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

Total Specimens for 11 July 1979: 7

12 July 1979

Congo (Democratic Republic of the): Tandala: ?: Collector Unknown: MHNG: 4 [4]; Meier, Florian: MHNG: 1 [1]; O.W.H.: TTU: 1 [1]; Robbins, C. Brian: USNM: 19 [19]; Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **26** - **26**].

Total Specimens for 12 July 1979: 26

13 July 1979

Congo (Democratic Republic of the): Bonzale: Meier, Florian: MHNG: 1 [1 - **1**] - Tandala: ?: Collector Unknown: MHNG: 5 [5]; Robbins, C. Brian: USNM: 4 [4]; Robbins, Lynn W.: USNM: 1 [1]; Robbins, Lynn W.; Robbins, C. Brian: CM: 3 [3 - **13** - **14**].
South Africa: Umkomaas: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 13 July 1979: 16

14 July 1979

Congo (Democratic Republic of the): Tandala: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].
South Africa: Skukuza: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **7** - **7**].

Total Specimens for 14 July 1979: 8

15 July 1979

South Africa: Skukuza: ?: Collector Unknown: TM: 7 [7]; Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **13**] - Skukuza, dam at golf course: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Xirhombe Pan: Zway, P.: KNP: 4 [4 - **4** - **18**].

Total Specimens for 15 July 1979: 18

16 July 1979

Congo (Democratic Republic of the): Tandala: ?: Collector Unknown: MHNG: 5 [5]; Meier, Florian: MHNG: 1 [1]; Robbins, C. Brian: USNM: 7 [7]; Robbins, Lynn W.; Robbins, C. Brian: CM: 4 [4 - **17**] - Yalosemba: ?: Collector Unknown: ZMMU: 1 [1 - **1** - **18**].
South Africa: King Williamstown: Wingate, Lloyd R.: KM: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1979: 19

17 July 1979

Libya: Kouf Park lodge, 3 km S: Herbert, H.J.: CM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 1979: 1

18 July 1979

Congo (Democratic Republic of the): Tandala: Robbins, C. Brian: USNM: 3 [3 - **3** - **3**].

Total Specimens for 18 July 1979: 3

19 July 1979

Congo (Democratic Republic of the): Tandala: Robbins, C. Brian: USNM: 2 [2 - **2** - **2**].

Total Specimens for 19 July 1979: 2

20 July 1979

Congo (Democratic Republic of the): Bozade: Meier, Florian: MHNG: 1 [1 - **1**] - Tandala: Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.; Robbins, C. Brian: CM: 4 [4 - **5** - **6**].

Total Specimens for 20 July 1979: 6

21 July 1979

Congo (Democratic Republic of the): Tandala: ?: Collector Unknown: MHNG: 4 [4]; Robbins, C. Brian: USNM: 8 [8 - **12** - **12**].

Total Specimens for 21 July 1979: 12

26 July 1979

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1979: 1

27 July 1979

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Renie Park: Sowler, S.G.: ZMA: 1 [1 - **1**] - Renishaw: Sowler, S.G.: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 27 July 1979: 3

29 July 1979

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1979: 1

30 July 1979

Algeria: Mascara province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Cameroon: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1979: 2

31 July 1979

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].
South Africa: Renie Park: Sowler, S.G.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 31 July 1979: 6

2 August 1979

Cameroon: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Lukonga: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 2 August 1979: 3

3 August 1979

South Africa: Amanzimtoti: Sowler, S.G.: ZMA: 1 [1 - **1**] - Renie Park: Sowler, S.G.: ZMA: 3 [3 - **3** - **4**].

Total Specimens for 3 August 1979: 4

4 August 1979

South Africa: Matlapitsi Caves: Fratcher, B.: ZMA: 10 [10 - **10** - **10**].

Total Specimens for 4 August 1979: 10

6 August 1979

Congo (Democratic Republic of the): Lukonga: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].
Egypt: Saqqara: Robbins, Lynn W.: CM: 9, TTU: 2 [11 - **11** - **11**].

Total Specimens for 6 August 1979: 14

7 August 1979

Egypt: Giza: Robbins, Lynn W.: TTU: 2 [2 - **2** - **2**].

Total Specimens for 7 August 1979: 2

8 August 1979

Egypt: Edfu: Helmy, Ibrahim: CM: 2 [2]; Robbins, Lynn W.: CM: 2 [2 - **4** - **4**].

Total Specimens for 8 August 1979: 4

12 August 1979

South Africa: Satara Rest Camp: Whitfield, T.: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1979: 1

14 August 1979

South Africa: Warner Beach: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1979: 1

16 August 1979

Morocco: Kef Azigza Cave: Huberth, E.; Mayer, Anton; Spitzenberger, Frederike; Wirth, Josef: NMW: 36 [36 - **36** - **36**].

Total Specimens for 16 August 1979: 36

20 August 1979

Congo (Democratic Republic of the): Bakwakenge: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1979: 1

21 August 1979

Côte d'Ivoire: Foro Foro: Thomas: HZM: 2 [2 - **2** - **2**].
South Africa: Renie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 21 August 1979: 4

22 August 1979

Tanzania: Tanga region: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 22 August 1979: 4

23 August 1979

Côte d'Ivoire: Ouangofétini: Thomas, D.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 23 August 1979: 4

25 August 1979

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 25 August 1979: 8

27 August 1979

Somalia: Giohar: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1979: 1

1 September 1979

South Africa: Cederberg, Algeria State Forest: Herselman, J.C.: KM: 3 [3 - **3**] - Goegab: Herselman, J.C.: KM: 10 [10 - **10**] - Mitchells Pass: Herselman, J.C.: KM: 1 [1 - **1**] - Punda Malia: ?: Collector Unknown: TM: 1 [1 - **1** - **15**].

Total Specimens for 1 September 1979: 15

5 September 1979

South Sudan: Imatong: Nikolaus, Gerhard: SMNS: 3 [3 - **3** - **3**].

Total Specimens for 5 September 1979: 3

6 September 1979

Kenya: Mbeva Hill: Ithia, Julius M.K.: LACM: 18 [18 - **18**] - Mbeyo Hill, near machakos: Ithia, Julius M.K.: LACM: 7 [7 - **7** - **25**].

Total Specimens for 6 September 1979: 25

7 September 1979

South Sudan: Imatong: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 7 September 1979: 1

9 September 1979

Nigeria: Kagoro: Dyer, M.E.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 9 September 1979: 6

10 September 1979

Nigeria: Kagoro: Dyer, M.E.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 10 September 1979: 3

11 September 1979

South Africa: Levuvhu Hippopool: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 23 [23]; Schlitter, Duane Albert: CM: 2 [2 - **25** - **25**].

Total Specimens for 11 September 1979: 25

12 September 1979

South Africa: Levuvhu Hippopool: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 13 [13]; Schlitter, Duane Albert: CM: 1 [1 - **17** - **17**].

Total Specimens for 12 September 1979: 17

13 September 1979

South Africa: Levuvhu Hippopool: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 1 [1 - **4**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 2 [2 - **2** - **6**].

Total Specimens for 13 September 1979: 6

14 September 1979

Nigeria: Kagoro: Dyer, M.E.: ROM: 2 [2 - **2** - **2**].
South Africa: Levuvhu Hippopool: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 14 [14 - **16**] - Pafuri area, Mockford's Garden: Schlitter, Duane Albert: CM: 1 [1 - **1**] - Renie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **18**].

Total Specimens for 14 September 1979: 20

15 September 1979

South Africa: Levuvhu Hippopool: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 6 [6 - **8**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 2 [2 - **2**] - Shirombe pan: ?: Collector Unknown: TM: 1 [1 - **1** - **11**].

Total Specimens for 15 September 1979: 11

16 September 1979

Nigeria: Kagoro: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

South Africa: Stangene Dam: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 2 [2 - **2** - **2**].

Total Specimens for 16 September 1979: 3

17 September 1979

Kenya: Diani Forest: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1979: 1

18 September 1979

South Africa: Longtoon dam: Schlitter, Duane Albert: CM: 2 [2 - **2**] - Renie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **4**].

Total Specimens for 18 September 1979: 4

20 September 1979

South Africa: Mahembane: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 2 [2 - **2**] - Umkomaas: Sowler, S.G.: ZMA: 1 [1 - **1** - **3**].

Total Specimens for 20 September 1979: 3

21 September 1979

South Africa: Punda Malia: ?: Collector Unknown: TM: 9 [9 - **9**] - Punda Maria Camp: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 9 [9 - **9**] - Punda Milia: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 2 [2 - **2**] - Punda Milia Camp: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 17 [17]; Schlitter, Duane Albert: CM: 3 [3 - **20**] - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein]: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 10 [10 - **10** - **50**].

Total Specimens for 21 September 1979: 50

22 September 1979

South Africa: Punda Malia: ?: Collector Unknown: TM: 1 [1 - **1**] - Punda Milia: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 7 [7 - **7**] - Punda Milia Camp: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 11 [11]; Schlitter, Duane Albert: CM: 2 [2 - **13**] - Shashanga windmill: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 1 [1 - **1** - **22**].

Total Specimens for 22 September 1979: 22

23 September 1979

South Africa: Punda Malia: ?: Collector Unknown: TM: 1 [1 - **1**] - Shashanga windmill: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 23 [23]; Schlitter, Duane Albert: CM: 15 [15 - **38** - **39**].

Total Specimens for 23 September 1979: 39

24 September 1979

South Africa: Renie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].
South Sudan: Kajiko North: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1979: 3

30 September 1979

Nigeria: Kagoro: Dyer, M.E.: ROM: 3 [3 - **3** - **3**].
South Africa: Mahembane: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1979: 4

1 October 1979

Kenya: Watamu: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1** - **1**].
Nigeria: Kagoro: Dyer, M.E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 1 October 1979: 3

2 October 1979

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 1 [1 - **1**] - Watamu: Bergmans, Wim; Bergmans, E.: ZMA: 8 [8 - **8**] - Watamu Beach: ?: Collector Unknown: ZMA: 1 [1 - **1** - **10**].

Total Specimens for 2 October 1979: 10

3 October 1979

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 9 [9 - **9**] - Watamu: Bergmans, Wim; Bergmans, E.: ZMA: 5 [5]; Smeenk, Chris: RMNH: 1 [1 - **6** - **15**].
South Africa: Kok's farm: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 3 October 1979: 18

4 October 1979

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 2 [2 - **2**] - Watamu: Bergmans, Wim; Bergmans, E.: ZMA: 5 [5 - **5** - **7**].
South Africa: Luckhoff: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 4 October 1979: 9

5 October 1979

Kenya: Sokoke Forest: Bergmans, Wim; Bergmans, E.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 5 October 1979: 3

6 October 1979

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 2 [2 - **2**] - Arabuko-Sokoke Forest: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - Sokoke Forest: Smeenk, Chris: RMNH: 1 [1 - **1**] - Watamu: Bergmans, Wim; Bergmans, E.: ZMA: 3 [3 - **3** - **7**].

Total Specimens for 6 October 1979: 7

7 October 1979

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 4 [4 - **4**] - Watamu: Bergmans, Wim; Bergmans, E.: ZMA: 7 [7 - **7** - **11**].

Total Specimens for 7 October 1979: 11

8 October 1979

Kenya: Sokoke Forest: Bergmans, Wim; Bergmans, E.: ZMA: 6 [6 - **6** - **6**].
South Sudan: Lotti forest: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1979: 7

9 October 1979

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 2 [2 - **2** - **2**].
South Africa: Unknown locality: de Kock, P.W.: TM: 5 [5 - **5**] - Mkuzi River: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Saasveld Forestry College: de Kock, P.W.: TM: 10 [10 - **10** - **16**].

Total Specimens for 9 October 1979: 18

10 October 1979

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 1 [1 - **1**] - Arabuko-Sokoke Forest: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - Sokoke Forest: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2** - **4**].

Total Specimens for 10 October 1979: 4

11 October 1979

Kenya: Arabuko-Sokoke Forest: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - Sokoke Forest: ?: Collector Unknown: ZMA: 1 [1]; Bergmans, Wim; Bergmans, E.: ZMA: 8 [8]; Smeenk, Chris: RMNH: 1 [1 - **10** - **11**].

Total Specimens for 11 October 1979: 11

12 October 1979

Congo (Democratic Republic of the): Bakwakenge: Betu Nsankulu: RMCA: 3 [3 - **3**] - Bene Longo: Betu Nsankulu: RMCA: 1 [1 - **1** - **4**].
Kenya: Unknown locality: ?: Collector Unknown: RMNH: 2 [2 - **2**] - Arabuko-Sokoke Forest: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2** - **4**].
Nigeria: Kagoro: Dyer, M.E.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 12 October 1979: 11

14 October 1979

Kenya: Sokoke Forest: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2]; Smeenk, Chris: RMNH: 1 [1 - **3** - **3**].
Nigeria: Kagoro: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1979: 4

15 October 1979

Namibia: Brandberg Wes Mine: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]; Simoes, A.P.: SMW: 1 [1 - **1**] - Skeleton Coast Park, Brandberg Wes Mine: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]; Simoes, A.P.: SMW: 1 [1 - **1** - **2**].

Total Specimens for 15 October 1979: 2

16 October 1979

Kenya: Makandara Forest: Bergmans, Wim; Bergmans, E.: ZMA: 4 [4 - **4** - **4**].
Namibia: Jack Scott Bridge: Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 October 1979: 5

17 October 1979

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 3 [3 - **3**] - Diani Forest: ?: Collector Unknown: ZMA: 1 [1]; Bergmans, Wim; Bergmans, E.: ZMA: 6 [6]; Smeenk, Chris: RMNH: 2 [2 - **9**] - Makandara Forest: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2** - **14**].
Nigeria: Zaria: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].
Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock, *et al.*: ROM: 3 [3 - **3** - **3**].

Total Specimens for 17 October 1979: 18

18 October 1979

Kenya: Diani Forest: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1** - **1**].
Namibia: Skeleton Coast Park, Brandberg Wes Mine: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]; Simoes, A.P.: SMW: 1 [1 - **1** - **1**].
South Africa: Ellingham: Sowler, S.G.: ZMA: 1 [1 - **1**] - Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **2**].
Zimbabwe: Hostes Nicolle Institute: Fenton, Melville Brock, *et al.*: ROM: 2 [2 - **2** - **2**].

Total Specimens for 18 October 1979: 6

19 October 1979

Kenya: Diani Forest: Bergmans, Wim; Bergmans, E.: ZMA: 5 [5]; Smeenk, Chris: RMNH: 1 [1 - **6**] - Tiwi Beach: Bergmans, Wim; Bergmans, E.: ZMA: 11 [11 - **11** - **17**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1979: 18

20 October 1979

Kenya: Similani cave: McWilliam, A.N.: ZMA: 5 [5 - **5**] - Tiwi Beach: Bergmans, Wim; Bergmans, E.: ZMA: 7 [7 - **7** - **12**].

Total Specimens for 20 October 1979: 12

23 October 1979

Kenya: Diani: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - Tiwi Beach: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2** - **3**].

Total Specimens for 23 October 1979: 3

24 October 1979

Kenya: Makandara Forest: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - Shimba Hills: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2**] - Shimba Hills Nature Reserve: Smeenk, Chris: RMNH: 1 [1 - **1** - **4**].

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].
Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock, *et al.*: ROM: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1979: 6

25 October 1979

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 1 [1 - **1**] - Makandara Forest: Bergmans, Wim; Bergmans, E.: ZMA: 5 [5 - **5**] - Mukanda river: Smeenk, Chris: RMNH: 1 [1 - **1**] - Shimba Hills: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - Shimba Hills: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1** - **9**].
South Sudan: Juba: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1979: 10

26 October 1979

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 2 [2 - **2**] - Kwale: Bergmans, Wim; Bergmans, E.: ZMA: 15 [15 - **15**] - Makandara Forest: Bergmans, Wim; Bergmans, E.: ZMA: 4 [4 - **4**] - Mukanda river: Bergmans, Wim; Bergmans, E.: ZMA: 3 [3 - **3**] - Shimba Hills Nature Reserve: Smeenk, Chris: RMNH: 7 [7 - **7**] - Tiwi Beach: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1** - **32**].
South Africa: Farm Goudhoek: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1979: 33

27 October 1979

Kenya: Kwale: Bergmans, Wim; Bergmans, E.: ZMA: 7 [7 - **7**] - Muumandu: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **8**].
Rwanda: Unknown locality: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].
Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock, *et al.*: ROM: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1979: 10

29 October 1979

Algeria: Mascara province: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Kenya: Lion Hill: Bergmans, Wim; Bergmans, E.: ZMA: 4 [4 - **4** - **4**].
South Africa: Farm Goudhoek: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].

Total Specimens for 29 October 1979: 12

30 October 1979

Kenya: Lion Hill: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2** - **2**].
South Africa: Umkomaas: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1979: 3

31 October 1979

Zimbabwe: Mana Pools-NP: Fenton, Melville Brock, *et al.*: ROM: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1979: 1

4 November 1979

Zimbabwe: Hostes Nicoll Research Institute: Fenton, Melville Brock, *et al.*: ROM: 2 [2 - **2** - **2**].

Total Specimens for 4 November 1979: 2

7 November 1979

South Africa: Ventersburg: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 7 November 1979: 3

10 November 1979

Comoros: Fomboni, 1 km N: Kverno, Nelson B.: USNM: 1 [1 - **1** - **1**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 10 November 1979: 3

11 November 1979

Nigeria: Kagoro: Dyer, M.E.: ROM: 8 [8 - **8** - **8**].

Total Specimens for 11 November 1979: 8

12 November 1979

Nigeria: Kagoro: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **1**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 12 November 1979: 3

15 November 1979

South Africa: Shannon, Nassau str. 91: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1979: 1

17 November 1979

Namibia: Alte Fest: Buys, P.J.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1979: 1

18 November 1979

Nigeria: Kagoro: Dyer, M.E.: ROM: 1 [1 - **1**] - Yankari: Dyer, M.E.: ROM: 2 [2 - **2** - **3**].
South Africa: Saasveld Forestry Research Station: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 18 November 1979: 5

20 November 1979

Namibia: Omega: Coetzee, C.G.: SMW: 1 [1 - **1**] - Papa Falls: Coetzee, C.G.: SMW: 1 [1 - **1** - **2**].

Total Specimens for 20 November 1979: 2

26 November 1979

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1979: 1

27 November 1979

Nigeria: Zaria: Dyer, M.E.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 27 November 1979: 5

29 November 1979

South Africa: Thaba Nchu: ?: Collector Unknown: NMB: 5 [5 - **5** - **5**].

Total Specimens for 29 November 1979: 5

1 December 1979

Congo (Democratic Republic of the): Kitimi: Tshinyenye: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 1 December 1979: 3

2 December 1979

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - Lukore area: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **3**].
South Africa: Waterberg, Farm Klipfontein 54JS: Peek, J.R.: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1979: 4

3 December 1979

South Africa: Waterberg, Farm Klipfontein 54JS: Peek, J.R.: TM: 2 [2 - **2** - **2**].

Total Specimens for 3 December 1979: 2

6 December 1979

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 5 [5 - **5** - **5**].

Total Specimens for 6 December 1979: 5

7 December 1979

Kenya: Unknown locality: Kyongo, Robert N.: RMNH: 3 [3 - **3** - **3**].
Tanzania: Dar es Salaam University: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1979: 4

8 December 1979

Nigeria: Kagoro: Dyer, M.E.: ROM: 4 [4 - **4**] - Zaria: Dyer, M.E.: ROM: 1 [1 - **1** - **5**].
South Africa: King Williamstown: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 8 December 1979: 7

9 December 1979

South Africa: Waterberg, Farm Klipfontein 54JS: Peek, J.R.: TM: 2 [2 - **2** - **2**].

Total Specimens for 9 December 1979: 2

10 December 1979

Kenya: Diani Forest: Smeenk, Chris: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1979: 1

11 December 1979

Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1979: 3

12 December 1979

Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Nigeria: Kano: Wilkinson, Roger: ROM: 1 [1 - **1** - **1**].
South Africa: Waterberg, Farm Klipfontein 54JS: Peek, J.R.: TM: 3 [3 - **3** - **3**].

Total Specimens for 12 December 1979: 5

15 December 1979

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1979: 1

20 December 1979

South Sudan: Malakal: Walen, A.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1979: 1

23 December 1979

Nigeria: Sangs River Forest Reserve: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1979: 1

29 December 1979

Kenya: Kamuuani: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1979: 1

1 January 1980

South Africa: Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1**] - Twin Streams: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1980: 2

6 January 1980

Kenya: Mbevo Hills: Ithia, Julius M.K.: CUMV: 8 [8 - **8** - **8**].

Total Specimens for 6 January 1980: 8

7 January 1980

Kenya: Mbevo Hills: Ithia, Julius M.K.: CUMV: 13 [13 - **13** - **13**].

Total Specimens for 7 January 1980: 13

9 January 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1**] - Umkomaas: Sowler, S.G.: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 9 January 1980: 2

10 January 1980

South Africa: Kok's farm: ?: Collector Unknown: TM: 4 [4 - **4**] - Otto's Bluff Farm: Wolhuter, David A.: AMNH: 3 [3 - **3** - **7**].

Total Specimens for 10 January 1980: 7

12 January 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 12 January 1980: 2

17 January 1980

Central African Republic: Bamingui-Bangoran National Park: Spinage, C.A.: BMNH: 1 [1 - **1** - **1**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1980: 2

19 January 1980

Central African Republic: Bamingui-Bangoran National Park: Spinage, C.A.: BMNH: 1 [1 - **1** - **1**].
South Africa: Umkomaas: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1980: 2

20 January 1980

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 2 [2 - **2** - **2**].
Nigeria: Zaria: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1980: 3

21 January 1980

Cameroon: Sud-Ouest region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1980: 1

24 January 1980

Central African Republic: Bamingui-Bangoran National Park: Spinage, C.A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1980: 1

28 January 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **2**].

South Sudan: Juba: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1980: 3

1 February 1980

Côte d'Ivoire: Lamto: Thomas, D.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 1 February 1980: 2

2 February 1980

Sierra Leone: Segbwema: Krebs, John W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1980: 1

3 February 1980

Congo (Democratic Republic of the): Unknown locality: Betu Nsankulu: RMCA: 1 [1 - **1**] - Bakwakenge: Betu Nsankulu: RMCA: 1 [1 - **1** - **2**].
South Africa: Craigadam: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 15 [15 - **15** - **15**].

Total Specimens for 3 February 1980: 17

4 February 1980

South Africa: Senekal: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1980: 1

6 February 1980

Sierra Leone: Segbwema: Krebs, John W.: USNM: 2 [2 - **2** - **2**].
South Africa: Craigadam: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 12 [12 - **12** - **12**].

Total Specimens for 6 February 1980: 14

7 February 1980

Sierra Leone: Segbwema: Krebs, John W.: USNM: 1 [1 - **1** - **1**].
South Africa: Craigadam: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1980: 2

9 February 1980

Central African Republic: Bamingui-Bangoran National Park: Spinage, C.A.: BMNH: 1 [1 - **1** - **1**].
South Africa: Doornkraal campsite: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **4** - **4**].

Total Specimens for 9 February 1980: 5

11 February 1980

South Africa: Edenburg: ?: Collector Unknown: NMB: 3 [3 - **3**] - Farm Doornkraal: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 2 [2 - **2**] - Farm Doornpan: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 5 [5 - **5**] - Rynie Park: Sowler, S.G.: ZMA: 4 [4 - **4** - **14**].

Total Specimens for 11 February 1980: 14

12 February 1980

South Africa: Edenburg: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 12 February 1980: 2

14 February 1980

South Africa: Farm Doornpan: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 4 [4 - **7**] - Ithala Game Reserve [=Itala Nature Reserve]: ?: Collector Unknown: TM: 1 [1 - **1** - **8**].

Total Specimens for 14 February 1980: 8

16 February 1980

Kenya: Konza Farm: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1980: 1

18 February 1980

Congo (Democratic Republic of the): Beyi - Kalonji: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1980: 1

21 February 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1980: 1

22 February 1980

Congo (Democratic Republic of the): Beyi - Kalonji: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].
Nigeria: Zaria: Dyer, M.E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 22 February 1980: 4

24 February 1980

Sierra Leone: Lalehun: Krebs, John W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1980: 1

27 February 1980

Liberia: Unknown locality: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - L.T.C.: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 27 February 1980: 2

29 February 1980

Liberia: L.T.C.: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 February 1980: 1

1 March 1980

South Africa: Rhodes: Wingate, Lloyd R.: MSB: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1980: 1

3 March 1980

Liberia: L.T.C.: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1980: 1

8 March 1980

Liberia: Grassfield: Rigaux, P.; Louette, Michel: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 8 March 1980: 4

9 March 1980

Liberia: Grassfield: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1980: 1

10 March 1980

Liberia: Grassfield: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
Somalia: Jamaame, 4 km S, 4 km W: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].
South Africa: Bethlehem: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 10 March 1980: 5

11 March 1980

Liberia: Grassfield: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
Somalia: Jamaame, 4 km S, 4 km W: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1980: 2

12 March 1980

Liberia: Grassfield: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
Somalia: Jamaame, 4 km S, 4 km W: Schlitter, Duane Albert: CM: 3 [3 - **3** - **3**].

Total Specimens for 12 March 1980: 4

13 March 1980

Liberia: Grassfield: Rigaux, P.; Louette, Michel: RMCA: 2 [2 - **2** - **2**].
Somalia: Jamaame, 4 km S, 4 km W: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 13 March 1980: 4

15 March 1980

Liberia: Grassfield: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1980: 1

16 March 1980

Liberia: Grassfield: Rigaux, P.; Louette, Michel: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 16 March 1980: 5

22 March 1980

Liberia: C.L.C.: Rigaux, P.; Louette, Michel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 22 March 1980: 3

23 March 1980

Liberia: Sweaken: Rigaux, P.; Louette, Michel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 23 March 1980: 3

24 March 1980

Liberia: Duo Town: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - Sweaken: Rigaux, P.; Louette, Michel: RMCA: 3 [3 - **3** - **4**].

Total Specimens for 24 March 1980: 4

25 March 1980

Liberia: Duo Town: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1980: 1

26 March 1980

Liberia: Duo Town: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1980: 2

27 March 1980

Liberia: Duo Town: Rigaux, P.; Louette, Michel: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 27 March 1980: 2

28 March 1980

Liberia: Duo Town: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 28 March 1980: 5

29 March 1980

Liberia: Duo Town: Rigaux, P.; Louette, Michel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 29 March 1980: 3

30 March 1980

Liberia: Duo Town: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 March 1980: 1

5 April 1980

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1980: 1

7 April 1980

Central African Republic: Bamingui-Bangoran National Park: Spinage, C.A.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1980: 1

8 April 1980

Zimbabwe: Falcon College School, Mine shaft: Cunliffe, R.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1980: 1

9 April 1980

Central African Republic: Bamingui-Bangoran National Park: Spinage, C.A.: BMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 April 1980: 2

11 April 1980

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 1 [1]; Kyongo, Robert N.: RMNH: 1 [1 - **2**] - Muumandu: Ithia, Julius M.K.: RMNH: 1 [1 - **1** - **3**].
South Africa: Matafalu River: Hovel, H.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1980: 4

15 April 1980

Congo (Democratic Republic of the): TASOK: Wallach, V.: ZMA: 1 [1 - **1** - **1**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1980: 2

19 April 1980

Nigeria: Kagoro: Dyer, M.E.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 19 April 1980: 2

24 April 1980

Tanzania: Morningside: Howell, Kim M.; Mihok, S: SMF: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1980: 1

26 April 1980

Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1980: 1

27 April 1980

Congo (Democratic Republic of the): Kimpoko: Tshinyenye: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 27 April 1980: 4

28 April 1980

South Africa: Diepwalle State Forest: Dippenaar, Nicolaas Jacobus [=Nico]; Wolhuter, David A.: TM: 4 [4 - **4**] - Rynie Park: Sowler, S.G.: ZMA: 3 [3 - **3** - **7**].

Total Specimens for 28 April 1980: 7

29 April 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 29 April 1980: 3

2 May 1980

Nigeria: Kagoro: Dyer, M.E.: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1980: 1

4 May 1980

Kenya: Ngombeni [caves]: Van Bree, Peter Johannes Hendrikus: ZMA: 17 [17 - **17** - **17**].
Niger: Unknown locality: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1980: 18

6 May 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 6 May 1980: 2

8 May 1980

Kenya: Diani Beach: Van Bree, Peter Johannes Hendrikus: ZMA: 7 [7 - **7**] - Tiwi Beach: Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **2** - **9**].

Total Specimens for 8 May 1980: 9

13 May 1980

Kenya: Kilaguni Lodge: Van Bree, Peter Johannes Hendrikus: ZMA: 3 [3 - **3**] - Tsavo West National Park, NW of Kilaguni Lodge: Van Bree, Peter Johannes Hendrikus: ZMA: 5 [5 - **5** - **8**].

Total Specimens for 13 May 1980: 8

17 May 1980

Congo (Democratic Republic of the): Kikole-Pecheur: Mutashia, M.: SMF: 16 [16 - **16** - **16**].
Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 21 [21 - **21** - **21**].

Total Specimens for 17 May 1980: 37

18 May 1980

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 16 [16 - **16** - **16**].
Liberia: Paul Town: Johnson: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 18 May 1980: 18

19 May 1980

Kenya: Unknown locality: Ithia, Julius M.K.: RMNH: 20 [20 - **20** - **20**].
Namibia: Pioniers Park: Penrith, M.J.: SMW: 1 [1 - **1** - **1**].
Niger: Unknown locality: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

South Africa: Bultfontein: ?: Collector Unknown: NMB: 6 [6 - **6**] - Farm Evergreen: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Rynie Park: Sowler, S.G.: ZMA: 4 [4 - **4**] - Umkomaas: Sowler, S.G.: ZMA: 1 [1 - **1** - **13**].

Total Specimens for 19 May 1980: 35

20 May 1980

Liberia: Paul Town: Johnson: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 20 May 1980: 2

23 May 1980

Malawi: Likabula mission: Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 2 [2 - **2** - **2**].

Total Specimens for 23 May 1980: 2

26 May 1980

Seychelles: Anse au Pins: Wilson, R.: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 May 1980: 1

3 June 1980

Liberia: Suehn: Johnson: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1980: 1

4 June 1980

Liberia: Paul Town: Johnson: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1980: 1

14 June 1980

Nigeria: Kagoro: Dyer, M.E.: ROM: 10 [10 - **10** - **10**].

Total Specimens for 14 June 1980: 10

15 June 1980

Liberia: Gomutown: Johnson: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1980: 1

20 June 1980

South Africa: Stolznek house: Visser, John: TM: 2 [2 - **2** - **2**].

Total Specimens for 20 June 1980: 2

23 June 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Dimbelenge: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 23 June 1980: 6

24 June 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **2**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1980: 3

27 June 1980

Congo (Democratic Republic of the): Dimbelenge: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 27 June 1980: 3

28 June 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 6 [6 - **6** - **6**].
Congo (Democratic Republic of the): Dimbelenge: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].
Rwanda: Gisenyi: de Iongh, Hans H.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 28 June 1980: 11

30 June 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1980: 1

5 July 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **2**].
Nigeria: Wikki: Dyer, M.E.: ROM: 8 [8 - **8** - **8**].

Total Specimens for 5 July 1980: 10

6 July 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1980: 1

8 July 1980

Egypt: Abu Rawash: Robbins, Lynn W.: CM: 1 [1 - **1**] - Saqqara: Robbins, Lynn W.: CM: 1 [1 - **1** - **2**].
Namibia: Witwatersrand: Coetzee, C.G.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1980: 3

9 July 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 3 [3 - **3** - **3**].

Total Specimens for 9 July 1980: 3

10 July 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 10 July 1980: 3

12 July 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1980: 1

14 July 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1980: 1

16 July 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1980: 1

18 July 1980

Tanzania: Mbeya region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1980: 1

19 July 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 4 [4 - **4** - **4**].

Total Specimens for 19 July 1980: 4

20 July 1980

Central African Republic: Bamingui-Bangoran National Park: Spinage, C.A.: BMNH: 4 [4 - **4** - **4**].

Total Specimens for 20 July 1980: 4

22 July 1980

Liberia: Bopolu: Johnson: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 22 July 1980: 3

23 July 1980

Liberia: Gbarnqay: Johnson: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 23 July 1980: 2

24 July 1980

Liberia: Bopolu: Johnson: RMCA: 3 [3 - **3** - **3**].
Namibia: Farm Driekrone 516: Coetzee, C.G.: SMW: 4 [4 - **4**] - Farm Witwatersrand 521, near Granite kop: Coetzee, C.G.: SMW: 4 [4 - **4** - **8**].

Total Specimens for 24 July 1980: 11

26 July 1980

Liberia: Bopolu: Johnson: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 26 July 1980: 2

27 July 1980

Liberia: Gbarnqay: Johnson: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1980: 1

28 July 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 28 July 1980: 4

29 July 1980

Liberia: Bopolu: Johnson: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 29 July 1980: 2

1 August 1980

Réunion: Falaise de Saint Gilles: Véto, Dr.; Moutou, F.: MNHN: 6 [6 - **6** - **6**].

Total Specimens for 1 August 1980: 6

2 August 1980

Burkina Faso: Kénédougou province: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **2**].

Total Specimens for 2 August 1980: 2

3 August 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - Kénédougou province: Koch-Weser, Sylvia: SMF: 3 [3 - **3** - **5**].

Total Specimens for 3 August 1980: 5

7 August 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1980: 1

14 August 1980

Burkina Faso: Tambao: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1980: 1

15 August 1980

Congo (Democratic Republic of the): Kinkole: ?: Collector Unknown: ZMA: 6 [6]; Wallach, V.: ZMA: 3 [3 - **9** - **9**].

Total Specimens for 15 August 1980: 9

16 August 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 17 [17 - **17**] - Tambao: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **18**].

Total Specimens for 16 August 1980: 18

18 August 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1980: 1

22 August 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].
Niger: Saba: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1980: 2

23 August 1980

Burkina Faso: Unknown locality: ?: Collector Unknown: SMF: 1 [1]; Koch-Weser, Sylvia: SMF: 1 [1 - **2** - **2**].

Total Specimens for 23 August 1980: 2

27 August 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 27 August 1980: 2

28 August 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1980: 1

31 August 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 3 [3 - **3** - **3**].

Total Specimens for 31 August 1980: 3

2 September 1980

Tanzania: Dar es Salaam University: Howell, Kim M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 2 September 1980: 3

3 September 1980

Burkina Faso: Kadiogo province: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1980: 1

6 September 1980

Burkina Faso: Kadiogo province: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1980: 1

8 September 1980

Burkina Faso: Diebougou: Koch-Weser, Sylvia: SMF: 10 [10 - **10** - **10**].

Total Specimens for 8 September 1980: 10

9 September 1980

Ethiopia: Awash-NP: Demeter, Andras: HNHM: 1 [1 - **1** - **1**].
Rwanda: Lac Ihema: de Iongh, Hans H.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1980: 2

10 September 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 3 [3 - **3** - **3**].

Total Specimens for 10 September 1980: 3

11 September 1980

Burkina Faso: Diebougou: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 11 September 1980: 2

13 September 1980

Burkina Faso: Bougouriba province: Koch-Weser, Sylvia: SMF: 5 [5 - **5** - **5**].
Rwanda: Gisenyi: de Iongh, Hans H.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 13 September 1980: 6

14 September 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1980: 1

20 September 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **2**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1980: 3

21 September 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1980: 1

23 September 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 5 [5 - **5** - **5**].

Total Specimens for 23 September 1980: 5

24 September 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1980: 1

25 September 1980

Burkina Faso: Soum province: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Somalia: Libsoma Farm: Schlitter, Duane Albert: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 25 September 1980: 2

26 September 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **2**].

Total Specimens for 26 September 1980: 2

27 September 1980

Burkina Faso: Bam province: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1980: 1

28 September 1980

Congo (Democratic Republic of the): Nkiene: Tshinyenye: RMCA: 6 [6 - **6** - **6**].
Rwanda: Butare: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].
Somalia: Libsoma Farm: Schlitter, Duane Albert: BRTC: 1, TTU: 1 [2 - **2** - **2**].

Total Specimens for 28 September 1980: 9

29 September 1980

Congo (Democratic Republic of the): Nkiene: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1980: 1

30 September 1980

Congo (Democratic Republic of the): Nkiene: Tshinyenye: RMCA: 5 [5 - **5** - **5**].
Rwanda: Kigali: Meirte, Danny: RMCA: 12 [12 - **12** - **12**].
Somalia: Libsoma Farm: Schlitter, Duane Albert: BRTC: 1 [1 - **1** - **1**].
South Africa: Broughton: Metherell, A.D.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1980: 19

2 October 1980

Rwanda: Gisovu: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1980: 1

3 October 1980

Namibia: Farm Huns 106: Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]: SMW: 1 [1 - **1** - **1**].
Rwanda: Gisovu: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1980: 2

5 October 1980

Rwanda: Gisenyi: de Iongh, Hans H.: ZMA: 6 [6 - **6** - **6**].

Total Specimens for 5 October 1980: 6

6 October 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - Dionga: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **3**].
Rwanda: Kibuye: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1980: 4

7 October 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - Dionga: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **2**].
Rwanda: Kibuye: Meirte, Danny: RMCA: 7 [7 - **7** - **7**].
South Africa: Farm Nydas [=Cnydas]: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 11 [11 - **11**] - Venterskroon: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 1 [1 - **1** - **12**].

Total Specimens for 7 October 1980: 21

8 October 1980

Burkina Faso: Séno province: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].
Rwanda: Kibuye: Meirte, Danny: RMCA: 2 [2 - **2** - **2**].
Somalia: Bulo Burti: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1980: 4

9 October 1980

Algeria: Oran province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Rwanda: Kibuye: Meirte, Danny: RMCA: 2 [2 - **2**] - Mabanza: Meirte, Danny: RMCA: 40 [40 - **40** - **42**].
South Africa: Farm Nydas [=Cnydas]: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 7 [7 - **7** - **7**].

Total Specimens for 9 October 1980: 50

10 October 1980

Rwanda: Mabanza: Meirte, Danny: RMCA: 3 [3 - **3** - **3**].
South Africa: Farm Nydas [=Cnydas]: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 2 [2 - **2** - **2**].

Total Specimens for 10 October 1980: 5

12 October 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 3 [3 - **3** - **3**].
Egypt: Ras Abu el Darag: Back, H.E.: ZFMK: 1 [1 - **1** - **1**].
Ethiopia: Lake Langano: Demeter, Andras: HNHM: 5 [5 - **5** - **5**].
Namibia: Farm Rheinvels: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 1 [1 - **1** - **1**].
Rwanda: Murunda: Meirte, Danny: RMCA: 23 [23 - **23** - **23**].

Total Specimens for 12 October 1980: 33

13 October 1980

Ethiopia: Lake Langano: Demeter, Andras: HNHM: 17 [17 - **17** - **17**].
Namibia: Farm Rheinvels: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 4 [4 - **4** - **4**].
Rwanda: Gisenyi: de Iongh, Hans H.: ZMA: 5 [5 - **5** - **5**].

Total Specimens for 13 October 1980: 26

14 October 1980

Namibia: Farm Rheinvels: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 3 [3 - **3** - **3**].
Rwanda: Murunda: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1980: 4

15 October 1980

Namibia: Skeleton Coast Park, Brandberg Wes Mine: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]; Simoes, A.P.: SMW: 1 [1 - **1** - **1**].
Rwanda: Gisenyi: de Iongh, Hans H.: ZMA: 1 [1 - **1**] - Murunda: Meirte, Danny: RMCA: 3 [3 - **3**] - Ruhengeri: de Iongh, Hans H.: ZMA: 8 [8 - **8** - **12**].

Total Specimens for 15 October 1980: 13

17 October 1980

Rwanda: Nyundo: Meirte, Danny: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 17 October 1980: 2

18 October 1980

Rwanda: Nyundo: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].
Somalia: Snai Sugar Plantation: Schlitter, Duane Albert: BRTC: 1, TTU: 1 [2 - **2** - **2**].

Total Specimens for 18 October 1980: 3

19 October 1980

Rwanda: Nyundo: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].

Somalia: Snai Sugar Plantation: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1980: 2

20 October 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].
Rwanda: Nyundo: Meirte, Danny: RMCA: 4 [4 - **4** - **4**].
Somalia: Snai Sugar Plantation: Schlitter, Duane Albert: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1980: 6

21 October 1980

Rwanda: Gisenyi: Meirte, Danny: RMCA: 15 [15 - **15** - **15**].
Somalia: Snai Sugar Plantation: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 21 October 1980: 17

22 October 1980

Rwanda: Nyundo: Meirte, Danny: RMCA: 15 [15 - **15** - **15**].
Somalia: Snai Sugar Plantation: Schlitter, Duane Albert: BRTC: 2, CM: 9 [11 - **11** - **11**].

Total Specimens for 22 October 1980: 26

23 October 1980

Rwanda: Nyundo: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].
Somalia: Snai Sugar Plantation: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 23 October 1980: 3

24 October 1980

Somalia: Snai Sugar Plantation: Schlitter, Duane Albert: CM: 4, TTU: 1 [5 - **5** - **5**].

Total Specimens for 24 October 1980: 5

25 October 1980

Rwanda: Musanze: Meirte, Danny: RMCA: 11 [11 - **11** - **11**].
Somalia: Snai Sugar Plantation: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 25 October 1980: 13

26 October 1980

Rwanda: Kigali: Meirte, Danny: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 26 October 1980: 3

27 October 1980

Côte d'Ivoire: Adiopodoumé: ORSTOM: ZMA: 1 [1 - **1** - **1**].
Rwanda: Kigali: Meirte, Danny: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 27 October 1980: 8

28 October 1980

Namibia: Swartkop: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Coetzee, C.G.: TM: 2 [2 - **3**] - Swartkop Diamond Area No.1: ?: Collector Unknown: TM: 1 [1 - **1** - **4**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 6 [6 - **6** - **6**].

Total Specimens for 28 October 1980: 10

29 October 1980

Namibia: Swartkop Diamond Area No.1: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1980: 1

30 October 1980

Namibia: Unknown locality: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: MMK: 2, TM: 1 [3 - **3**] - Rosh Pinah: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 17 [17]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Coetzee, C.G.: SMW: 7 [7 - **24** - **27**].
South Africa: Unknown locality: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1**] - Farm Modderfontein, Howel Davies Caves: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 1 [1 - **1** - **2**].

Total Specimens for 30 October 1980: 29

31 October 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **2**].
Namibia: Unknown locality: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: MMK: 1 [1 - **1**] - Farm Huns 106: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Coetzee, C.G.: SMW: 3 [3 - **6** - **7**].
Rwanda: Gisovu: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1980: 10

1 November 1980

Rwanda: Kibuye: Meirte, Danny: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 1 November 1980: 10

3 November 1980

Somalia: El Amha Cave: Schlitter, Duane Albert: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1980: 1

4 November 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - Kossi province: Koch-Weser, Sylvia: SMF: 3 [3 - **3**] - Nouna: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **6**].
Nigeria: Kagoro: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].
Somalia: El Amba cave: Schlitter, Duane Albert: TTU: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1980: 8

5 November 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 10 [10 - **10** - **10**].

Total Specimens for 5 November 1980: 10

6 November 1980

Rwanda: Kayonza: Meirte, Danny: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 6 November 1980: 3

7 November 1980

Ethiopia: Awash river: Demeter, Andras: HNHM: 14 [14 - **14** - **14**].

Total Specimens for 7 November 1980: 14

9 November 1980

Burkina Faso: Kadiogo province: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - Ouagadougou: Koch-Weser, Sylvia: SMF: 3 [3 - **3** - **4**].
Ethiopia: Illala Sala, Awash-NP: Demeter, Andras: HNHM: 11 [11 - **11** - **11**].

Total Specimens for 9 November 1980: 15

10 November 1980

Somalia: El Amba cave: Schlitter, Duane Albert: TTU: 1 [1 - **1** - **1**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1980: 2

11 November 1980

Somalia: El Amha Cave: Schlitter, Duane Albert: BRTC: 1 [1 - **1** - **1**].
South Africa: Farm Nydas [=Cnydas]: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1980: 2

14 November 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 7 [7 - **7** - **7**].

Total Specimens for 14 November 1980: 7

15 November 1980

Rwanda: Ruhengeri: de Iongh, Hans H.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1980: 1

23 November 1980

Ethiopia: Adis Abeba: Demeter, Andras: HNHM: 2 [2 - **2** - **2**].

Total Specimens for 23 November 1980: 2

24 November 1980

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **2**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1980: 3

27 November 1980

South Africa: Amanzimtoti: Sowler, S.G.: ZMA: 1 [1 - **1**] - Rynie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **3**].

Total Specimens for 27 November 1980: 3

1 December 1980

Ethiopia: Sabeta: Demeter, Andras: HNHM: 2 [2 - **2** - **2**].

Total Specimens for 1 December 1980: 2

5 December 1980

Algeria: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1980: 1

7 December 1980

Algeria: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Burkina Faso: Kadiogo province: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].
South Africa: Mission Rocks Outpost: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1980: 4

8 December 1980

Algeria: Sig: Gaisler, Jiri; Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **1**].
South Africa: Bloemfontein: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Zimbabwe: Chizarira-Mcheni Gorge: Peek, J.R.: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1980: 3

9 December 1980

South Africa: St.Lucia: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 9 December 1980: 2

10 December 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1980: 1

11 December 1980

South Africa: Shore Nature Reserve, NE: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 11 December 1980: 2

12 December 1980

South Africa: Mission Rocks Outpost: ?: Collector Unknown: TM: 1 [1 - **1**] - Shore Nature Reserve: Bourquin, O.: TM: 1 [1 - **1** - **2**].

Total Specimens for 12 December 1980: 2

14 December 1980

South Africa: Mission Rocks Outpost: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 14 December 1980: 2

18 December 1980

South Africa: Oribi Gorge Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1980: 1

19 December 1980

South Africa: Oribi Gorge Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1980: 1

20 December 1980

South Africa: Oribi Gorge Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1980: 1

22 December 1980

South Africa: Amanzimtoti: Sowler, S.G.: ZMA: 1 [1 - **1**] - Rynie Park: Sowler, S.G.: ZMA: 3 [3 - **3** - **4**].

Total Specimens for 22 December 1980: 4

26 December 1980

Senegal: Nieki-Ko: KUL-expedition (Katholieke Universiteit Leuven), The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1980: 1

28 December 1980

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 28 December 1980: 1

30 December 1980

Senegal: Goulombo: KUL-expedition (Katholieke Universiteit Leuven), The: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 30 December 1980: 2

31 December 1980

Senegal: Kounkané: KUL-expedition (Katholieke Universiteit Leuven), The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1980: 1

1 January 1981

Burkina Faso: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Nigeria: Wikki: Dyer, M.E.: ROM: 3 [3 - **3** - **3**].
South Africa: Oribi Gorge Nature Reserve: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Tanzania: Mazumbai Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1**] - Mbeya region: ?: Collector Unknown: SMF: 2 [2 - **2**] - Morogoro: Telford, Steve: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 1 January 1981: 10

2 January 1981

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **2**].

Total Specimens for 2 January 1981: 2

3 January 1981

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - Nahouri province: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **2**].

Total Specimens for 3 January 1981: 2

8 January 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 8 January 1981: 3

9 January 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 9 January 1981: 2

10 January 1981

Burkina Faso: Unknown locality: Koch-Weser, Sylvia: SMF: 3 [3 - **3**] - Tambao: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **5**].

Total Specimens for 10 January 1981: 5

11 January 1981

Tanzania: Mwanihana forest: Howell, Kim M.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 11 January 1981: 2

14 January 1981

South Africa: Durban: ?: Collector Unknown: TM: 1 [1 - **1**] - Gauteng province: ?: Collector Unknown: SMF: 1 [1 - **1**] - Westville: ?: Collector Unknown: DNSM: 2, TM: 7 [9]; Sowler, S.G.: TM: 4 [4 - **13** - **15**].

Total Specimens for 14 January 1981: 15

16 January 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1981: 1

20 January 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1981: 1

21 January 1981

Tanzania: Mazumba Estate: Howell, Kim M.; Stuart, S.N.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1981: 1

22 January 1981

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1981: 1

24 January 1981

Nigeria: Nindam Forest Reserve: Dyer, M.E.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 24 January 1981: 5

25 January 1981

Tanzania: Mazumbai Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1981: 1

26 January 1981

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1981: 1

27 January 1981

Sierra Leone: Gola Forest Camp: Krebs, John W.: USNM: 14 [14 - **14** - **14**].

Total Specimens for 27 January 1981: 14

28 January 1981

Sierra Leone: Gola Forest Camp: Krebs, John W.: USNM: 8 [8 - **8** - **8**].
Tanzania: Mazumbai Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1981: 9

29 January 1981

South Africa: Levuvhu Hippopool: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tanzania: Mazumbai Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1981: 2

30 January 1981

Sierra Leone: Gola Forest Camp: Krebs, John W.: USNM: 1 [1 - **1** - **1**].
South Africa: Westville: ?: Collector Unknown: TM: 1 [1]; Larsus, R.: TM: 11 [11 - **12** - **12**].

Total Specimens for 30 January 1981: 13

4 February 1981

South Africa: Senekal: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 4 February 1981: 3

12 February 1981

Central African Republic: Bamingui-Bangoran prefecture: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1981: 3

20 February 1981

Tanzania: Ambangulu Estate: Howell, Kim M.: SMF: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 20 February 1981: 2

23 February 1981

Nigeria: Obudu plateau: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].
South Africa: Scottsville: Bernard, Ric T.F.: TM: 1 [1 - **1** - **1**].

Tanzania: Ambangulu Estate: Howell, Kim M.: FMNH: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 23 February 1981: 4

25 February 1981

Congo (Democratic Republic of the): Lulua: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 25 February 1981: 3

27 February 1981

Congo (Democratic Republic of the): Lulua: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 27 February 1981: 3

7 March 1981

Cameroon: Mount Cameroon: Eyckerman: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1981: 1

8 March 1981

South Africa: Vrede: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 8 March 1981: 2

9 March 1981

Cameroon: Buéa: Eyckerman: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1981: 1

10 March 1981

South Africa: Itala National Park: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1981: 1

12 March 1981

Nigeria: Mambila plateau: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1981: 1

14 March 1981

Libya: Kuf-NP: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1981: 2

15 March 1981

Libya: Kuf-NP: Qumsiyeh, Mazin B.: CM: 3 [3 - **3** - **3**].

Total Specimens for 15 March 1981: 3

16 March 1981

Libya: Kuf-NP: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1981: 1

21 March 1981

Libya: Baida, 4 km S: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 21 March 1981: 1

22 March 1981

Libya: Baida, 4 km S: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1981: 1

23 March 1981

Nigeria: Okura Forest Reserve: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1981: 1

24 March 1981

Cameroon: Buéa: Jooris: RMCA: 3 [3 - **3** - **3**].
Nigeria: Ayangba: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1981: 4

25 March 1981

Nigeria: Ayangba: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 25 March 1981: 1

27 March 1981

Libya: Kuf-NP: Qumsiyeh, Mazin B.: CM: 5 [5 - **5** - **5**].

Total Specimens for 27 March 1981: 5

29 March 1981

Libya: Kuf-NP: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1981: 1

3 April 1981

Libya: Haniya, 8 km SSE: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1981: 1

4 April 1981

Nigeria: Kamuku Game Reserve: Dyer, M.E.: ROM: 3 [3 - **3**] - S Birnin Gwari: Dyer, M.E.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 4 April 1981: 4

9 April 1981

Libya: Kuf-NP: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 9 April 1981: 1

20 April 1981

Nigeria: Wikki: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1981: 1

21 April 1981

Congo (Democratic Republic of the): Epulu: Hart, John A.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 April 1981: 2

26 April 1981

Congo (Democratic Republic of the): Epulu, 13 km E: Hart, John A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1981: 1

29 April 1981

Nigeria: Zaria: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1981: 1

30 April 1981

Algeria: Aokas: Gaisler, Jiri: MUB: 11 [11 - **11** - **11**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 30 April 1981: 13

2 May 1981

Nigeria: Nindam Forest Reserve: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1981: 1

3 May 1981

Libya: Sabratah: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1981: 1

6 May 1981

South Africa: Vredefort: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1981: 1

7 May 1981

Algeria: Oran province: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 7 May 1981: 3

9 May 1981

Algeria: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1981: 1

10 May 1981

South Africa: Madlangula: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1981: 1

11 May 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1981: 1

16 May 1981

Algeria: Wadi Sauria: Qumsiyeh, Mazin B.: CM: 6 [6 - **6** - **6**].

Total Specimens for 16 May 1981: 6

17 May 1981

Nigeria: Zaria: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].
Zimbabwe: Umtali mine adit: ?: Collector Unknown: DNSM: 1 [1]; Wingate, Lloyd R.; Wright, Peter J.: DNSM: 1 [1 - **2** - **2**].

Total Specimens for 17 May 1981: 3

19 May 1981

Algeria: Mouzdjadjo: Qumsiyeh, Mazin B.: CM: 2 [2 - **2** - **2**].

Total Specimens for 19 May 1981: 2

23 May 1981

Algeria: Oued Rhumel: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].
South Africa: Boshof: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1981: 2

24 May 1981

Algeria: Oued Rhumel: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1981: 1

29 May 1981

Algeria: In Saleh: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 29 May 1981: 1

1 June 1981

Algeria: Tamanrasset: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1981: 1

3 June 1981

Algeria: Tamanrasset: Qumsiyeh, Mazin B.: CM: 7 [7 - **7** - **7**].

Total Specimens for 3 June 1981: 7

4 June 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1981: 1

5 June 1981

Algeria: Sétif: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1981: 1

6 June 1981

Congo (Democratic Republic of the): Epulu, 6 km S, 2 km W: Hart, John A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1981: 1

10 June 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1981: 1

14 June 1981

Algeria: Oran province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1981: 1

17 June 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1981: 1

19 June 1981

Nigeria: Kagoro: Dyer, M.E.: BMNH: 1 [1 - **1**] - Nindam Forest Reserve: Dyer, M.E.: ROM: 5 [5 - **5** - **6**].

Total Specimens for 19 June 1981: 6

20 June 1981

Congo (Democratic Republic of the): Epulu: Hart, John A.: FMNH: 1 [1 - **1** - **1**].
Nigeria: Kagoro: Dyer, M.E.: HZM: 1 [1 - **1**] - Nindam farm: Dyer, M.E.: ROM: 1 [1 - **1**] - Nindam Forest Reserve: Dyer, M.E.: ROM: 6 [6 - **6** - **8**].
South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1981: 10

24 June 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1981: 1

27 June 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 27 June 1981: 2

30 June 1981

Algeria: Ain Oussera: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].
South Africa: Musina [=Messina], 4 km E: Visser, John: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1981: 2

1 July 1981

Algeria: Ain Oussera: Qumsiyeh, Mazin B.: CM: 14 [14 - **14** - **14**].
Congo (Democratic Republic of the): Digba: Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1981: 15

4 July 1981

Nigeria: Wikki: Dyer, M.E.: ROM: 5 [5 - **5** - **5**].
Somalia: Taleh cave: ?: Collector Unknown: MZUF: 10 [10 - **10** - **10**].

Total Specimens for 4 July 1981: 15

5 July 1981

Nigeria: Wikki: Dyer, M.E.: ROM: 5 [5 - **5** - **5**].

Total Specimens for 5 July 1981: 5

11 July 1981

Nigeria: Sapoba Forest Reserve: Dyer, M.E.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 11 July 1981: 3

14 July 1981

Egypt: Saqqara: Qumsiyeh, Mazin B.: CM: 2 [2 - **2** - **2**].

Total Specimens for 14 July 1981: 2

16 July 1981

Nigeria: Ayip Eku: Dyer, M.E.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 16 July 1981: 4

18 July 1981

Egypt: Denderah [=Dandarah]: Qumsiyeh, Mazin B.: CM: 3 [3 - **3** - **3**].

Total Specimens for 18 July 1981: 3

19 July 1981

Burkina Faso: Tambao: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].
Egypt: Denderah [=Dandarah]: Qumsiyeh, Mazin B.: CM: 2 [2 - **2** - **2**].

Total Specimens for 19 July 1981: 3

20 July 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 20 July 1981: 2

21 July 1981

South Africa: Farm River 141 MS: Newbury, R.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1981: 1

27 July 1981

Egypt: Abu Ghaleb, 2 km N: Qumsiyeh, Mazin B.: CM: 7 [7 - **7** - **7**].

Total Specimens for 27 July 1981: 7

1 August 1981

Comoros: La Coulée: Louette, Michel: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 1 August 1981: 3

6 August 1981

Libya: Wadi Jarjaroma: Mayer, Anton; Spitzenberger, Frederike; Weiss, Edmund: NMW: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1981: 2

7 August 1981

Malawi: Likabula river: Harrison, David Lakin; Bates, Paul J.J.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1981: 1

9 August 1981

Libya: Wadi al Kuf: Mayer, Anton; Spitzenberger, Frederike; Weiss, Edmund: NMW: 8 [8 - **8** - **8**].

Total Specimens for 9 August 1981: 8

13 August 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 13 August 1981: 4

14 August 1981

Comoros: La Convalescence: Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1981: 1

15 August 1981

Comoros: La Convalescence: Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1981: 1

17 August 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1981: 1

18 August 1981

Libya: Wadi al Kuf: Mayer, Anton; Spitzenberger, Frederike; Weiss, Edmund: NMW: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1981: 1

19 August 1981

Comoros: La Grille: Louette, Michel: RMCA: 24 [24 - **24** - **24**].

Total Specimens for 19 August 1981: 24

22 August 1981

Libya: Wadi al Kuf: Mayer, Anton; Spitzenberger, Frederike; Weiss, Edmund: NMW: 2 [2 - **2** - **2**].

Total Specimens for 22 August 1981: 2

24 August 1981

South Africa: Rynie Park: Sowler, S.G.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1981: 1

28 August 1981

Gabon: Grotte de Faucon: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Tanzania: Morogoro: Telford, Steve: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1981: 2

1 September 1981

Namibia: Aus, 1 km W: Visser, John: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1981: 1

2 September 1981

Nigeria: Ife University Conference Center, ca. 5 mi SW: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1981: 1

3 September 1981

Nigeria: Ife Botanical gardens: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1981: 1

17 September 1981

Tanzania: Morogoro region: Stuart, S.N.: SMF: 1 [1 - **1**] - Mwanihana Forest Reserve: Stuart, S.N.: SMF: 1 [1 - **1** - **2**].

Total Specimens for 17 September 1981: 2

23 September 1981

South Africa: Riebeekstad: ?: Collector Unknown: NMB: 6 [6 - **6** - **6**].

Total Specimens for 23 September 1981: 6

27 September 1981

Tanzania: Morogoro: Telford, Steve: RMCA: 2 [2 - **2**] - Morogoro region: ?: Collector Unknown: SMF: 3 [3 - **3** - **5**].

Total Specimens for 27 September 1981: 5

2 October 1981

Zimbabwe: Rhodes Inyanga National Park: ?: Collector Unknown: TM: 2 [2 - **2**] - Zimbabwe Ruins: ?: Collector Unknown: TM: 16 [16]; Transvaal Museum Expedition, The: TM: 1 [1 - **17** - **19**].

Total Specimens for 2 October 1981: 19

3 October 1981

Rwanda: Butare: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - Nyumba cave: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **2**].
Zimbabwe: Morgenster cave: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1981: 3

4 October 1981

Zimbabwe: Chirinda forest: ?: Collector Unknown: TM: 1 [1]; Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Wolhuter, P.J.: TM: 2 [2 - **3** - **3**].

Total Specimens for 4 October 1981: 3

5 October 1981

Zimbabwe: Chirinda forest: ?: Collector Unknown: TM: 3 [3]; Transvaal Museum Expedition, The: TM: 1 [1 - **4** - **4**].

Total Specimens for 5 October 1981: 4

6 October 1981

Rwanda: Nyumba cave: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 20 [20 - **20** - **20**].

Total Specimens for 6 October 1981: 20

7 October 1981

Rwanda: Butare: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 3 [3 - **3**] - Nyumba cave: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 10 [10 - **10** - **13**].
Zimbabwe: Old Mine Adit [=Umtali Old mine]: ?: Collector Unknown: TM: 17 [17 - **17**] - Umtali mine adit: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Wolhuter, P.J.: TM: 12 [12]; Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): TM: 1 [1]; Transvaal Museum Expedition, The: TM: 26 [26 - **39** - **56**].

Total Specimens for 7 October 1981: 69

8 October 1981

Rwanda: Butare: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - Butare INRS: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 16 [16 - **16** - **17**].

Total Specimens for 8 October 1981: 17

9 October 1981

Algeria: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Rwanda: Butare: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 3 [3 - **3**] - Butare INRS: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 5 [5 - **5** - **8**].

Total Specimens for 9 October 1981: 9

11 October 1981

Rwanda: Karama: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 4 [4 - **4** - **4**].
Zimbabwe: Rhodes Inyanga National Park: ?: Collector Unknown: TM: 2 [2]; Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Wolhuter, P.J.: TM: 1 [1 - **3** - **3**].

Total Specimens for 11 October 1981: 7

12 October 1981

Rwanda: Karama: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 36 [36 - **36** - **36**].
Tanzania: Dar-Es-Salaam region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Kurasini area: Baker: SMF: 2 [2 - **2** - **3**].

Total Specimens for 12 October 1981: 39

13 October 1981

Rwanda: Karama: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 31 [31 - **31** - **31**].

Total Specimens for 13 October 1981: 31

14 October 1981

Zimbabwe: Rusito forest, Rustio River: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 14 October 1981: 3

15 October 1981

Zimbabwe: Rusito forest, Rustio River: ?: Collector Unknown: TM: 3 [3]; Transvaal Museum Expedition, The: TM: 1 [1]; Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **5** - **5**].

Total Specimens for 15 October 1981: 5

16 October 1981

Rwanda: Uwinka: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 2 [2 - **2** - **2**].
Zimbabwe: Rusito forest, Rustio River: ?: Collector Unknown: TM: 6 [6]; Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **7** - **7**].

Total Specimens for 16 October 1981: 9

17 October 1981

Rwanda: Uwinka: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 5 [5 - **5** - **5**].
Zimbabwe: Old Mine Adit [=Umtali Old mine]: ?: Collector Unknown: TM: 5 [5 - **5**] - Umtali mine adit: ?: Collector Unknown: DNSM: 3 [3]; Transvaal Museum Expedition, The: TM: 4 [4]; Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **9** - **14**].

Total Specimens for 17 October 1981: 19

18 October 1981

Rwanda: Uwinka: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1981: 1

19 October 1981

Nigeria: Ayip Eku: Dyer, M.E.: ROM: 2 [2 - **2** - **2**].
Rwanda: Routabansougera: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 19 October 1981: 5

20 October 1981

Rwanda: Routabansougera: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1981: 1

21 October 1981

Rwanda: Gisenyi: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **1**].
South Africa: Senekal: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].
Zimbabwe: Chikupo cave: ?: Collector Unknown: TM: 18 [18 - **18**] - Chikupo Caves: Transvaal Museum Expedition, The: TM: 1 [1 - **1**] - Chikupu [=Chikupo] Caves: ?: Collector Unknown: DNSM: 2 [2 - **2** - **21**].

Total Specimens for 21 October 1981: 24

22 October 1981

Rwanda: Mutura: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 73 [73 - **73** - **73**].
Zimbabwe: Lion and Cheetah Park: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 22 October 1981: 75

23 October 1981

Rwanda: Mutura: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 41 [41 - **41** - **41**].
Tanzania: Dar es Salaam University: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Zimbabwe: Chikupo cave: ?: Collector Unknown: TM: 1 [1 - **1**] - Sengwa Wildlife Research Station: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; Wright, Peter J.: TM: 16 [16 - **17** - **18**].

Total Specimens for 23 October 1981: 60

24 October 1981

Rwanda: Musanze: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - Mutura: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - Nyakinama: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **3**].
Zimbabwe: Sengwa Wildlife Research Station: Rautenbach, Ignatius Lourens [=Naas]; Wright, Peter J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1981: 4

25 October 1981

Rwanda: Musanze: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 27 [27 - **27**] - Mutura: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 42 [42 - **42** - **69**].

Total Specimens for 25 October 1981: 69

26 October 1981

Rwanda: Mutura: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 8 [8 - **8**] - Tamira: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **9**].
Zimbabwe: Unknown locality: Rautenbach, Ignatius Lourens [=Naas]; *et al.*: MMK: 1 [1 - **1**] - Chirisa Cave: ?: Collector Unknown: TM: 38 [38]; Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **39**] - Sengwa Wildlife Research Area: ?: Collector Unknown: DNSM: 1 [1]; Wright; Rautenbach, Ignatius Lourens [=Naas]: NHMZ: 1 [1 - **2**] - Sengwa Wildlife Research Station: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 3 [3]; Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **8** - **50**].

Total Specimens for 26 October 1981: 59

27 October 1981

Rwanda: Musanze: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - Mutura: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 49 [49 - **49** - **50**].
Zimbabwe: Sengwa Wildlife Research Area: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Sengwa Wildlife Research Station: ?: Collector Unknown: DNSM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 2 [2 - **3** - **4**].

Total Specimens for 27 October 1981: 54

28 October 1981

Zimbabwe: Sengwa Wildlife Research Station: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 6 [6 - **7** - **7**].

Total Specimens for 28 October 1981: 7

29 October 1981

Zimbabwe: Falls road: Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **16** - **16**].

Total Specimens for 29 October 1981: 16

30 October 1981

Zimbabwe: Gwai Bridge, 6 km W on falls road: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Total Specimens for 30 October 1981: 4

31 October 1981

Algeria: Brezina: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1**] - Brezina cave: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 2 [2 - **2** - **3**].

Total Specimens for 31 October 1981: 3

1 November 1981

Zimbabwe: Rhodes Inyanga National Park: ?: Collector Unknown: TM: 1 [1 - **1**] - Rhodes Matopos -Nature Park [=Matobo National Park]: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 4 [4]; Wright; Rautenbach, Ignatius Lourens [=Naas]: NHMZ: 1 [1 - **10** - **11**].

Total Specimens for 1 November 1981: 11

2 November 1981

Rwanda: Kitabi: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 2 [2 - **2** - **2**].

Zimbabwe: Rhodes Inyanga National Park: ?: Collector Unknown: TM: 1 [1 - **1**] - Rhodes Matopos -Nature Park [=Matobo National Park]: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]; Wright, Peter J.: DNSM: 1 [1 - **9** - **10**].

Total Specimens for 2 November 1981: 12

3 November 1981

Rwanda: Kitabi: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1981: 1

5 November 1981

Rwanda: Kitabi: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1981: 1

6 November 1981

Algeria: Sebdou, 20 km NW: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1981: 1

8 November 1981

Rwanda: Butare: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - Butare INRS: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 8 November 1981: 2

9 November 1981

Rwanda: Butare INRS: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1981: 1

11 November 1981

Rwanda: Nyamata: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 3 [3 - **3** - **3**].
Tanzania: Mbeya region: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 11 November 1981: 8

12 November 1981

Rwanda: Nyamata: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 12 November 1981: 11

13 November 1981

Rwanda: Nyamata: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 157 [157 - **157** - **157**].

Total Specimens for 13 November 1981: 157

14 November 1981

Rwanda: Nyamata: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 53 [53 - **53** - **53**].

Total Specimens for 14 November 1981: 53

15 November 1981

Rwanda: Nyamata: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 88 [88 - **88** - **88**].

Total Specimens for 15 November 1981: 88

16 November 1981

Rwanda: Nyamata: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 53 [53 - **53** - **53**].

Total Specimens for 16 November 1981: 53

17 November 1981

Rwanda: Nyamata: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 28 [28 - **28** - **28**].
Zimbabwe: Umtali mine adit: Transvaal Museum Expedition, The: TM: 8 [8 - **8** - **8**].

Total Specimens for 17 November 1981: 36

19 November 1981

Rwanda: Rukira: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 23 [23 - **23** - **23**].

Total Specimens for 19 November 1981: 23

20 November 1981

Rwanda: Rukira: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 41 [41 - **41** - **41**].

Total Specimens for 20 November 1981: 41

21 November 1981

Rwanda: Rukira: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 22 [22 - **22** - **22**].

Total Specimens for 21 November 1981: 22

22 November 1981

Rwanda: Rukira: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 30 [30 - **30** - **30**].

Total Specimens for 22 November 1981: 30

23 November 1981

Algeria: Sig: Gaisler, Jiri; Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: MUB: 1 [1 - **1** - **1**].
Rwanda: Rukira: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 12 [12 - **12** - **12**].
South Africa: Farm Rhenosterspruit 59JQ: Newbury, R.: TM: 2 [2 - **2** - **2**].

Total Specimens for 23 November 1981: 15

24 November 1981

Rwanda: Rukira: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 24 November 1981: 9

25 November 1981

Rwanda: Rukira: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 43 [43 - **43** - **43**].

Total Specimens for 25 November 1981: 43

26 November 1981

Rwanda: Rukira: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 62 [62 - **62** - **62**].

Total Specimens for 26 November 1981: 62

27 November 1981

Rwanda: Rukira: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 27 November 1981: 12

28 November 1981

Nigeria: Unknown locality: Dyer, M.E.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1981: 1

13 December 1981

Botswana: Kurunxaraga, Cement Camp: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Congo (Democratic Republic of the): Kasai: Betu Nsankulu: RMCA: 2 [2 - **2**] - Kitangua: Betu Nsankulu: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 13 December 1981: 4

16 December 1981

Algeria: Sétif: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **1**].
South Africa: Vernon Crookes Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1981: 2

24 December 1981

Congo (Democratic Republic of the): Kasai: Betu Nsankulu: RMCA: 1 [1 - **1**] - Kitangua: Betu Nsankulu: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 24 December 1981: 3

26 December 1981

Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 December 1981: 1

27 December 1981

Central African Republic: Kaja Nze: Spinage, C.A.: BMNH: 1 [1 - **1** - **1**].
Tanzania: Morogoro: Telford, Steve: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 27 December 1981: 3

1 January 1982

Congo (Democratic Republic of the): Ishango River: Colyn, Marc: RMCA: 4 [4 - **4**] - Tshakala: Colyn, Marc: RMCA: 21 [21 - **21** - **25**].
Liberia: Mount Nimba: Gatter, Wulf: SMF: 2 [2 - **2** - **2**].
Sudan: Unknown locality: Moritz, Laura J.: MSU: 4 [4 - **4** - **4**].
Tanzania: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Zimbabwe: Unknown locality: Fenton, Melville Brock: ROM: 1 [1 - **1**] - Sengwe Wildlife Research Area: Fenton, Melville Brock: ROM: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1982: 34

8 January 1982

Malawi: Lifupa Camp: Jachmann, Hugo: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 8 January 1982: 2

9 January 1982

Malawi: Lifupa Camp: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1982: 1

11 January 1982

South Africa: Waterberg, Farm Dirleton 276, Brombeek 271/2: Ahlers, Mennie: TM: 2 [2 - **2** - **2**].

Total Specimens for 11 January 1982: 2

13 January 1982

South Africa: Fig Tree Forest: Espie, Ian W.: KNP: 3 [3 - **3** - **3**].

Total Specimens for 13 January 1982: 3

14 January 1982

Egypt: Suez: Jennings, N.: LACM: 1 [1 - **1** - **1**].
Zimbabwe: Sengwe Wildlife Research Area: Fenton, Melville Brock: ROM: 2 [2 - **2** - **2**].

Total Specimens for 14 January 1982: 3

15 January 1982

Algeria: Gorges de Kherrata tunnel: Gaisler, Jiri: IVB: 1 [1 - **1** - **1**].
South Africa: Howick village: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1982: 2

16 January 1982

Zimbabwe: Sengwe Wildlife Research Area: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1982: 1

17 January 1982

Congo (Democratic Republic of the): Kasai: Betu Nsankulu: RMCA: 3 [3 - **3**] - Mungamba: Betu Nsankulu: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 17 January 1982: 4

18 January 1982

Kenya: Westwood Park Hotel: Walen, A.: ZMA: 9 [9 - **9** - **9**].

Total Specimens for 18 January 1982: 9

19 January 1982

Malawi: Lifupa Camp: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].
Nigeria: Zaria: Egwali, E.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1982: 2

20 January 1982

Malawi: Lifupa Camp: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].
Zimbabwe: Unknown locality: Fenton, Melville Brock: ROM: 1 [1 - **1**] - Mana Pools-NP: Fenton, Melville Brock: ROM: 4 [4 - **4** - **5**].

Total Specimens for 20 January 1982: 6

22 January 1982

Congo (Democratic Republic of the): Kasai: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
Malawi: Lifupa Camp: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1982: 2

23 January 1982

Kenya: Ngobi Forest: Walen, A.: ZMA: 1 [1 - **1** - **1**].
South Africa: Levuvhu Hippopool: Espie, Ian W.: KNP: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 1 [1 - **2**] - Oribi Gorge Nature Reserve: ?: Collector Unknown: TM: 3 [3 - **3** - **5**].
Zimbabwe: Chirisa Safari area: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1982: 7

24 January 1982

Malawi: Administration Camp: Jachmann, Hugo: ZMA: 4 [4 - **4** - **4**].
South Africa: Oribi-Lind Valley Game Ranch: ?: Collector Unknown: TM: 6 [6]; Sowler, G.A.; Sowler, S.G.: TM: 8 [8 - **14** - **14**].
Zimbabwe: Unknown locality: Fenton, Melville Brock: ROM: 1 [1 - **1**] - Sengwe Wildlife Research Area: Fenton, Melville Brock: ROM: 1 [1 - **1** - **2**].

Total Specimens for 24 January 1982: 20

25 January 1982

Malawi: Administration Camp: Jachmann, Hugo: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 25 January 1982: 2

26 January 1982

Kenya: Talek Gate: Walen, A.: ZMA: 2 [2 - **2**] - Talek Gate, near: Walen, A.: ZMA: 1 [1 - **1** - **3**].
South Africa: Levuvhu Hippopool: Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1982: 4

27 January 1982

Kenya: Sand River: Walen, A.: ZMA: 4 [4 - **4** - **4**].
South Africa: Levuvhu Hippopool: ?: Collector Unknown: TM: 3 [3]; Nel, Flip: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: KNP: 1, TM: 15 [16]; Rautenbach, Ignatius Lourens [=Naas]; Nel, Flip: TM: 1 [1 - **21** - **21**].

Total Specimens for 27 January 1982: 25

28 January 1982

South Africa: Levuvhu Hippopool: ?: Collector Unknown: TM: 13 [13]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 10 [10 - **23** - **23**].

Total Specimens for 28 January 1982: 23

29 January 1982

Malawi: Administration Camp: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].
South Africa: Anthrax camp: ?: Collector Unknown: TM: 1 [1 - **1**] - Levuvhu Hippopool: ?: Collector Unknown: TM: 12 [12]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 16 [16 - **28** - **29**].
Zimbabwe: Sengwe Wildlife Research Area: Fenton, Melville Brock: ROM: 3 [3 - **3** - **3**].

Total Specimens for 29 January 1982: 33

30 January 1982

South Africa: WNLA Garden, Crooks Corner: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1 [1 - **1** - **1**].
Zimbabwe: Sengwe Wildlife Research Area: Fenton, Melville Brock: ROM: 3 [3 - **3** - **3**].

Total Specimens for 30 January 1982: 4

31 January 1982

South Africa: Anthrax camp: Espie, Ian W.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1982: 1

1 February 1982

South Africa: Anthrax camp: Espie, Ian W.: KNP: 2 [2 - **2**] - Kwalala Police Post: Espie, Ian W.: KNP: 2 [2 - **2** - **4**].
Tanzania: Mbeya region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1982: 5

2 February 1982

South Africa: Anthrax camp: Espie, Ian W.: KNP: 2 [2 - **2** - **2**].

Total Specimens for 2 February 1982: 2

3 February 1982

South Africa: Anthrax camp: Espie, Ian W.: KNP: 3 [3 - **3**] - Hester Malan Nature Reserve: van der Westhuizen, P.: TM: 1 [1 - **1**] - Hester Malan Wild Flower Reserve: ?: Collector Unknown: TM: 3 [3 - **3** - **7**].

Total Specimens for 3 February 1982: 7

4 February 1982

Central African Republic: Landjia: De Vos, Luc; Kempeneers, Jan: RMCA: 4 [4 - **4** - **4**].
South Africa: Anthrax camp: Espie, Ian W.: KNP: 1 [1 - **1** - **1**].
Zimbabwe: Sengwe: Fenton, Melville Brock: ROM: 2 [2 - **2** - **2**].

Total Specimens for 4 February 1982: 7

5 February 1982

South Africa: Anthrax camp: Espie, Ian W.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1982: 1

6 February 1982

South Africa: Baobab Hill, 200 m S: Espie, Ian W.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1982: 1

7 February 1982

South Africa: Anthrax camp: ?: Collector Unknown: TM: 2 [2]; Espie, Ian W.: KNP: 3 [3 - **5** - **5**].

Total Specimens for 7 February 1982: 5

10 February 1982

Congo (Democratic Republic of the): Kasai: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].
Zimbabwe: Sengwe Wildlife Research Area: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1982: 4

11 February 1982

Zimbabwe: Sengwe Wildlife Research Area: Fenton, Melville Brock: ROM: 4 [4 - **4** - **4**].

Total Specimens for 11 February 1982: 4

17 February 1982

Congo (Democratic Republic of the): Kasai: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].
South Africa: Harrismith [Kestell]: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1982: 3

18 February 1982

Kenya: Lamu: Walen, A.: ZMA: 1 [1 - **1** - **1**].
South Africa: Verwoerburg: ?: Collector Unknown: TM: 1 [1 - **1**] - Verwoerdburg: Koekemoer, D.: TM: 1 [1 - **1**] - Verwoerdburg, suburban garden: Koekemoer, D.: TM: 1 [1 - **1** - **3**].

Total Specimens for 18 February 1982: 4

20 February 1982

Malawi: Lingadzi River Valley: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].
Zimbabwe: Mana Pools-NP: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1982: 2

21 February 1982

Malawi: Lisanthu, 15 mi [=24 km] NE: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].
Nigeria: Zaria: Egwali, E.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1982: 2

22 February 1982

Malawi: Lisanthu, 15 mi [=24 km] NE: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1982: 1

23 February 1982

Kenya: Lukore: Walen, A.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 23 February 1982: 2

24 February 1982

Congo (Democratic Republic of the): Kasai: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1982: 1

26 February 1982

Kenya: Mukanda Bridge: Walen, A.: ZMA: 2 [2 - **2**] - Mukanda river, near bridge 2: Walen, A.: ZMA: 5 [5 - **5** - **7**].

Total Specimens for 26 February 1982: 7

1 March 1982

South Africa: Kenneth Stainbank Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1982: 1

4 March 1982

Malawi: Vitanda: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 4 March 1982: 1

5 March 1982

Egypt: Ataka Mountains: Jennings, M.C.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1982: 1

6 March 1982

Malawi: Lisanthu: Jachmann, Hugo: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 6 March 1982: 2

7 March 1982

Malawi: Lisanthu: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1982: 1

8 March 1982

Malawi: Lisanthu: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1982: 1

9 March 1982

Malawi: Lisanthu: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].
South Africa: Kenneth Stainbank Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1982: 2

10 March 1982

Malawi: Lisanthu: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].
Somalia: Jamaame, 4 km S, 4 km W: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1982: 2

11 March 1982

Somalia: Jamaame, 4 km S, 4 km W: Schlitter, Duane Albert: CM: 4 [4 - **4** - **4**].
South Africa: Kenneth Stainbank Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1982: 5

12 March 1982

Somalia: Jamaame, 4 km S, 4 km W: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].
South Africa: Kenneth Stainbank Nature Reserve: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 12 March 1982: 4

13 March 1982

Malawi: Lisanthu: Jachmann, Hugo: ZMA: 2 [2 - **2** - **2**].

Somalia: Jamaame, 4 km S, 4 km W: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1982: 3

14 March 1982

Nigeria: Samaru stream: Egwali, E.: HZM: 1 [1 - **1** - **1**].
Somalia: Jamaame, 5 km S, 7.5 km W: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 14 March 1982: 3

15 March 1982

South Africa: Skukuza: Espie, Ian W.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1982: 1

16 March 1982

South Africa: Koppies: ?: Collector Unknown: NMB: 7 [7 - **7** - **7**].

Total Specimens for 16 March 1982: 7

17 March 1982

Somalia: Wadajir, 8 km N, 4.5 km E: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].
South Africa: Koppies: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1982: 3

18 March 1982

Tanzania: Tatanda: Moyer, D.C.: SMF: 3 [3 - **3** - **3**].

Total Specimens for 18 March 1982: 3

19 March 1982

Malawi: Lisanthu: Jachmann, Hugo: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 19 March 1982: 2

20 March 1982

Malawi: Lisanthu: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1982: 1

26 March 1982

Kenya: Muumandu: Stager, Kenneth E.: HZM: 2 [2 - **2** - **2**].
South Africa: Stainbank NR: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1982: 3

1 April 1982

Burundi: Bujumbura: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Kongolo, island: Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1982: 2

10 April 1982

South Africa: Nwanedzi, 3 km SE: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].

Total Specimens for 10 April 1982: 5

11 April 1982

South Africa: Gezantombi waterhole: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].
Tanzania: Lugoda Tea Estate: Baker, Niel: SMF: 3 [3 - **3** - **3**].

Total Specimens for 11 April 1982: 9

13 April 1982

South Africa: Escombe: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1982: 1

14 April 1982

South Africa: Zastron: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 14 April 1982: 2

16 April 1982

Zimbabwe: Chipinga: ?: Collector Unknown: TM: 9 [9 - **9** - **9**].

Total Specimens for 16 April 1982: 9

21 April 1982

Burundi: Bujumbura: Meirte, Danny: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 21 April 1982: 9

22 April 1982

Burundi: Bujumbura: Meirte, Danny: RMCA: 15 [15 - **15** - **15**].

Total Specimens for 22 April 1982: 15

23 April 1982

Algeria: Souk el Tenine: Gaisler, Jiri: MUB: 1 [1 - **1** - **1**].
Burundi: Bujumbura: Meirte, Danny: RMCA: 26 [26 - **26** - **26**].

Total Specimens for 23 April 1982: 27

24 April 1982

Burundi: Bujumbura: Meirte, Danny: RMCA: 19 [19 - **19**] - Kigwena Hill: Meirte, Danny: RMCA: 2 [2 - **2** - **21**].

Total Specimens for 24 April 1982: 21

25 April 1982

Burundi: Bujumbura: Meirte, Danny: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 25 April 1982: 9

26 April 1982

Burundi: Bujumbura: Meirte, Danny: RMCA: 48 [48 - **48** - **48**].
South Africa: Kenneth Stainbank Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1982: 49

27 April 1982

Burundi: Bujumbura: Meirte, Danny: RMCA: 16 [16 - **16**] - Russissi, bank [=Rusizi delta]: Meirte, Danny: RMCA: 8 [8 - **8** - **24**].

Total Specimens for 27 April 1982: 24

28 April 1982

Burundi: Bujumbura: Meirte, Danny: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1982: 1

29 April 1982

Burundi: Bujumbura: Meirte, Danny: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 29 April 1982: 2

30 April 1982

Algeria: Sebdou: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1982: 1

1 May 1982

Algeria: Sebdou: Gaisler, Jiri: IVB: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Babongena: Colyn, Marc: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 1 May 1982: 6

11 May 1982

South Africa: on Molopo Rd, Farm Ohkotso [=Voigt's]: Wolhuter, David A.: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1982: 1

19 May 1982

South Africa: Gillets: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1982: 1

20 May 1982

South Africa: Farm Zusterstroom 447JR: Newbury, R.: TM: 1 [1 - **1**] - Ficksburg: ?: Collector Unknown: NMB: 1 [1 - **1** - **2**].

Total Specimens for 20 May 1982: 2

23 May 1982

Tanzania: Mbeya region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1982: 1

24 May 1982

Rwanda: Ntango: Baeten, Benny: RMCA: 15 [15 - **15** - **15**].

Total Specimens for 24 May 1982: 15

25 May 1982

Rwanda: Ntango: Baeten, Benny: RMCA: 20 [20 - **20** - **20**].

Total Specimens for 25 May 1982: 20

26 May 1982

Rwanda: Ntango: Baeten, Benny: RMCA: 27 [27 - **27** - **27**].

Total Specimens for 26 May 1982: 27

1 June 1982

Congo (Democratic Republic of the): Kisangani: Colyn, Marc: RMCA: 59 [59 - **59**] - Tshopo: Colyn, Marc: RMCA: 2 [2 - **2** - **61**].
Kenya: Kamuani Area: Stager, Kenneth E.: HZM: 2 [2 - **2** - **2**].
Rwanda: Kinigi: Baeten, Benny: RMCA: 1 [1 - **1** - **1**].
Zambia: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1982: 65

2 June 1982

Algeria: Misserghin: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1982: 1

4 June 1982

Rwanda: Kanyamiketo: Baeten, Benny: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1982: 1

6 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 6 June 1982: 12

7 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 46 [46 - **46** - **46**].

Total Specimens for 7 June 1982: 46

8 June 1982

Algeria: Oued Tlélat: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **1**].
Rwanda: Kidaho: Baeten, Benny: RMCA: 31 [31 - **31** - **31**].

Total Specimens for 8 June 1982: 32

9 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 77 [77 - **77** - **77**].

Total Specimens for 9 June 1982: 77

10 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 61 [61 - **61** - **61**].

Total Specimens for 10 June 1982: 61

11 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 73 [73 - **73** - **73**].

Total Specimens for 11 June 1982: 73

12 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 12 June 1982: 12

13 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 13 June 1982: 7

14 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1982: 1

15 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 15 June 1982: 7

16 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 20 [20 - **20**] - Musanze: Baeten, Benny: RMCA: 32 [32 - **32** - **52**].

Total Specimens for 16 June 1982: 52

17 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 5 [5 - **5**] - Musanze: Baeten, Benny: RMCA: 21 [21 - **21** - **26**].

Total Specimens for 17 June 1982: 26

18 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 3 [3 - **3**] - Muhabura: Baeten, Benny: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 18 June 1982: 4

19 June 1982

Rwanda: Kidaho: Baeten, Benny: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 19 June 1982: 2

22 June 1982

Algeria: Misserghin: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1982: 1

25 June 1982

Tanzania: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1982: 1

1 July 1982

Burundi: Bujumbura: Vissens: RMCA: 2 [2 - **2** - **2**].
Rwanda: Kigali: Baeten, Benny: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1982: 3

4 July 1982

Sudan: Khartoum: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1982: 1

5 July 1982

Sudan: Khartoum: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1982: 1

8 July 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1982: 1

10 July 1982

Rwanda: Kayove: Baeten, Benny: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 10 July 1982: 3

11 July 1982

Rwanda: Kayove: Baeten, Benny: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1982: 1

12 July 1982

Kenya: Mbevo Hills: Ithia, Julius M.K.: LACM: 12 [12 - **12** - **12**].

Total Specimens for 12 July 1982: 12

14 July 1982

Rwanda: Routabansougera: Baeten, Benny: RMCA: 2 [2 - **2** - **2**].
South Sudan: Wau: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1982: 3

15 July 1982

Rwanda: Routabansougera: Baeten, Benny: RMCA: 4 [4 - **4** - **4**].
South Sudan: Wau: Moritz, Laura J.: MSU: 4 [4 - **4** - **4**].

Total Specimens for 15 July 1982: 8

16 July 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].

Total Specimens for 16 July 1982: 2

17 July 1982

Kenya: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Ndauni area: Ithia, Julius M.K.: LACM: 2 [2 - **2** - **3**].
Rwanda: Routabansougera: Baeten, Benny: RMCA: 5 [5 - **5** - **5**].
South Africa: Nwanedi: Visser, David: TM: 6 [6 - **6** - **6**].

Total Specimens for 17 July 1982: 14

18 July 1982

Kenya: Ndauni area: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1982: 1

20 July 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 23 [23 - **23** - **23**].

Total Specimens for 20 July 1982: 23

24 July 1982

Tanzania: Iringa region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Mwanihana forest: Msuya, C.A.: SMF: 1 [1 - **1** - **3**].

Total Specimens for 24 July 1982: 3

25 July 1982

South Africa: Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Sudan: Wau: Moritz, Laura J.: MSU: 8 [8 - **8** - **8**].

Total Specimens for 25 July 1982: 9

31 July 1982

Senegal: Diabane: Ames, P.L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1982: 1

2 August 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 2 [2 - **2**] - Wau, 3 mi S: Moritz, Laura J.: MSU: 1 [1 - **1** - **3**].

Total Specimens for 2 August 1982: 3

5 August 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 9 [9 - **9** - **9**].

Total Specimens for 5 August 1982: 9

12 August 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 13 [13 - **13** - **13**].

Total Specimens for 12 August 1982: 13

17 August 1982

South Africa: Vrede: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].
South Sudan: Wau: Moritz, Laura J.: MSU: 10 [10 - **10** - **10**].

Total Specimens for 17 August 1982: 12

18 August 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 10 [10 - **10** - **10**].

Total Specimens for 18 August 1982: 10

19 August 1982

South Africa: Unknown locality: Wolhuter, David A.; Cassidy, R.J.: TM: 2 [2 - **2**] - Cederberg, Algeria State Forest, campsite: Wolhuter, David A.; Cassidy, R.J.: TM: 1 [1 - **1**] - Gillets: Richards, G.: DNSM: 2 [2 - **2** - **5**].

Total Specimens for 19 August 1982: 5

22 August 1982

South Africa: Cederberg, Algeria State Forest, campsite: Wolhuter, David A.; Cassidy, R.J.: TM: 1 [1 - **1** - **1**].
South Sudan: Wau: Moritz, Laura J.: MSU: 4 [4 - **4** - **4**].

Total Specimens for 22 August 1982: 5

23 August 1982

South Africa: Cederberg, Algeria State Forest, campsite: Wolhuter, David A.; Cassidy, R.J.: TM: 2 [2 - **2** - **2**].

Total Specimens for 23 August 1982: 2

24 August 1982

South Africa: Albany district: ?: Collector Unknown: SAMC: 1 [1 - **1**] - Cederberg, Algeria State Forest, campsite: Wolhuter, David A.; Cassidy, R.J.: TM: 4 [4 - **4** - **5**].

Total Specimens for 24 August 1982: 5

25 August 1982

South Africa: Cederberg, Algeria State Forest, campsite: Wolhuter, David A.; Cassidy, R.J.: TM: 2 [2 - **2** - **2**].

Total Specimens for 25 August 1982: 2

26 August 1982

South Africa: Cederberg, Algeria State Forest, campsite: Wolhuter, David A.; Cassidy, R.J.: TM: 3 [3 - **3**] - Port St. Johns: Shortridge, Guy Chester: SAMC: 1 [1 - **1** - **4**].
South Sudan: Wau: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].
Zimbabwe: Sailsbury: Marshal, Guy A.R.: SAMC: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1982: 6

27 August 1982

"Africa": Unknown locality: Wolhuter, David A.; Cassidy, R.J.: NHMZ: 1 [1 - **1** - **1**].
Mozambique: Muchena: Wolhuter, David A.; Cassidy, R.J.: TM: 1 [1 - **1** - **1**].
South Africa: Cederberg, Algeria State Forest, campsite: Wolhuter, David A.; Cassidy, R.J.: TM: 9 [9 - **9**] - University of KwaZulu-Natal, Cato Manor: ?: Collector Unknown: DNSM: 1 [1 - **1** - **10**].
Zimbabwe: Chingamwe Estates: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 August 1982: 13

28 August 1982

South Africa: Cederberg, Algeria State Forest, campsite: Wolhuter, David A.; Cassidy, R.J.: TM: 3 [3 - **3** - **3**].

South Sudan: Wau: Moritz, Laura J.: MSU: 6 [6 - **6** - **6**].

Total Specimens for 28 August 1982: 9

31 August 1982

Tanzania: Dar es Salaam University: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1982: 1

5 September 1982

South Sudan: Agok: Moritz, Laura J.: MSU: 8 [8 - **8**] - Wau: Moritz, Laura J.: MSU: 1 [1 - **1** - **9**].

Total Specimens for 5 September 1982: 9

10 September 1982

South Sudan: Mbili: Moritz, Laura J.: MSU: 9 [9 - **9** - **9**].

Total Specimens for 10 September 1982: 9

13 September 1982

South Africa: Dewetsdorp: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 13 September 1982: 1

14 September 1982

South Africa: Dewetsdorp: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1982: 1

15 September 1982

South Africa: Ndumu Game Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1982: 1

16 September 1982

South Africa: Dewetsdorp: ?: Collector Unknown: NMB: 1 [1 - **1**] - Ndumu Game Reserve: ?: Collector Unknown: TM: 16 [16]; Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **20** - **21**].

Total Specimens for 16 September 1982: 21

17 September 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 3 [3 - **3** - **3**].

Total Specimens for 17 September 1982: 3

18 September 1982

South Africa: Ndumu Game Reserve: ?: Collector Unknown: TM: 10 [10 - **10** - **10**].

Total Specimens for 18 September 1982: 10

19 September 1982

South Africa: Unknown locality: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - Ndumu Game Reserve: ?: Collector Unknown: TM: 8 [8]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **10** - **12**].

Total Specimens for 19 September 1982: 12

20 September 1982

South Africa: Ndumu Game Reserve: ?: Collector Unknown: TM: 7 [7 - **7** - **7**].
South Sudan: Ngohalima: Moritz, Laura J.: MSU: 3 [3 - **3**] - Ngohalima, on Busseri River: Moritz, Laura J.: MSU: 4 [4 - **4** - **7**].

Total Specimens for 20 September 1982: 14

21 September 1982

South Africa: Unknown locality: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - Hilton: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Malibali pan: Rautenbach, Ignatius Lourens [=Naas]: TM: 15 [15 - **15**] - Wardens house: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **22**].

Total Specimens for 21 September 1982: 22

22 September 1982

South Africa: Nhlonhela pan: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5**] - Wardens house: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **8**].
Tanzania: Morningside: Telford, Steve: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 22 September 1982: 11

23 September 1982

South Africa: Mkuzi River: Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **16** - **16**].
South Sudan: Wau: Moritz, Laura J.: MSU: 4 [4 - **4** - **4**].

Total Specimens for 23 September 1982: 20

24 September 1982

South Africa: Bube pan: Rautenbach, Ignatius Lourens [=Naas]: TM: 26 [26 - **26**] - Mkuzi Game Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Msinga pan: Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **9**] - Wardens house: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **38**].
Tanzania: Msongozi: Telford, Steve: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1982: 39

25 September 1982

South Africa: Bube pan: Rautenbach, Ignatius Lourens [=Naas]: TM: 14 [14 - **14**] - Malibali pan: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - Mkuzi River: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **19**].

Total Specimens for 25 September 1982: 19

26 September 1982

South Sudan: Ngosulugu: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].

Total Specimens for 26 September 1982: 2

27 September 1982

South Africa: Mission Rocks Bat Cave: ?: Collector Unknown: TM: 14 [14 - **14** - **14**].

Total Specimens for 27 September 1982: 14

28 September 1982

South Africa: Cape Vidal: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1982: 1

29 September 1982

South Africa: Cape Vidal: ?: Collector Unknown: TM: 14 [14 - **14**] - Mission Rock: ?: Collector Unknown: TM: 1 [1 - **1** - **15**].
Tanzania: Amani: Telford, Steve: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1982: 16

30 September 1982

Tanzania: Amani: Telford, Steve: RMCA: 2 [2 - **2**] - Amani Chemka: Telford, Steve: RMCA: 2 [2 - **2** - **4**].
Zambia: Luangwa River: Stager, Kenneth E.: LACM: 5 [5 - **5**] - Luangwa River, base camp: Stager, Kenneth E.: LACM: 1 [1 - **1** - **6**].

Total Specimens for 30 September 1982: 10

1 October 1982

Tanzania: Morogoro: Telford, Steve: RMCA: 1 [1 - **1** - **1**].
Zambia: Luangwa River: Stager, Kenneth E.: LACM: 11 [11 - **11**] - Luangwa River, base camp: Stager, Kenneth E.: LACM: 4 [4 - **4** - **15**].

Total Specimens for 1 October 1982: 16

2 October 1982

South Sudan: Raffili: Moritz, Laura J.: MSU: 5 [5 - **5** - **5**].
Zambia: Luangwa River: Stager, Kenneth E.: LACM: 11 [11 - **11**] - Luangwa River, base camp: Stager, Kenneth E.: LACM: 4 [4 - **4** - **15**].

Total Specimens for 2 October 1982: 20

3 October 1982

Zambia: Luangwa River: Stager, Kenneth E.: LACM: 6 [6 - **6**] - Luangwa River, base camp: Stager, Kenneth E.: LACM: 1 [1 - **1** - **7**].

Total Specimens for 3 October 1982: 7

4 October 1982

Zambia: Luangwa River: Stager, Kenneth E.: LACM: 1 [1 - **1**] - Luangwa River, base camp: Stager, Kenneth E.: LACM: 4 [4 - **4** - **5**].

Total Specimens for 4 October 1982: 5

5 October 1982

South Sudan: Agok: Moritz, Laura J.: MSU: 1 [1 - **1**] - Along Busseri River, Agok mango grove: Moritz, Laura J.: MSU: 1 [1 - **1**] - Wau: Moritz, Laura J.: MSU: 1 [1 - **1** - **3**].
Zambia: Luangwa River: Stager, Kenneth E.: LACM: 3 [3 - **3**] - Luangwa River, base camp: Stager, Kenneth E.: LACM: 2 [2 - **2** - **5**].

Total Specimens for 5 October 1982: 8

6 October 1982

Kenya: Ukunda, 2.5 km E: Robbins, Lynn W.: TTU: 10 [10 - **10** - **10**].
Zambia: Luangwa River: Stager, Kenneth E.: LACM: 2 [2 - **2**] - Luangwa River, base camp: Stager, Kenneth E.: LACM: 3 [3 - **3** - **5**].

Total Specimens for 6 October 1982: 15

7 October 1982

Zambia: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Luangwa River, base camp: Stager, Kenneth E.: LACM: 2 [2 - **2** - **3**].

Total Specimens for 7 October 1982: 3

8 October 1982

Algeria: Les Andalouses: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **1**].
Zambia: Luangwa River, base camp: Stager, Kenneth E.: LACM: 4 [4 - **4** - **4**].

Total Specimens for 8 October 1982: 5

9 October 1982

Zambia: Unknown locality: ?: Collector Unknown: QM: 3 [3 - **3** - **3**].

Total Specimens for 9 October 1982: 3

12 October 1982

Zambia: Unknown locality: ?: Collector Unknown: QM: 1 [1 - **1**] - Luangwa River, base camp: Stager, Kenneth E.: LACM: 4 [4 - **4** - **5**].

Total Specimens for 12 October 1982: 5

13 October 1982

Zambia: Luangwa River, base camp: Stager, Kenneth E.: LACM: 3 [3 - **3** - **3**].

Total Specimens for 13 October 1982: 3

14 October 1982

South Africa: Reddersburg: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 14 October 1982: 3

15 October 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 6 [6 - **6** - **6**].

Total Specimens for 15 October 1982: 6

18 October 1982

Gabon: Cap Esterias: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1982: 1

20 October 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1982: 1

21 October 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].

Total Specimens for 21 October 1982: 2

22 October 1982

Namibia: Farm Geduld 111: Swanepoel, Pierre: KM: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1982: 1

23 October 1982

Kenya: Lamu town, NW of: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].
Namibia: Farm Musterland 113: Swanepoel, Pierre: KM: 1 [1 - **1** - **1**].
South Sudan: Wau-Agok: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].

Total Specimens for 23 October 1982: 4

26 October 1982

Namibia: Farm Otjitambi 25: Swanepoel, Pierre: KM: 6 [6 - **6** - **6**].

Total Specimens for 26 October 1982: 6

27 October 1982

Namibia: Farm Otjitambi 25: Swanepoel, Pierre: KM: 3 [3]; Wallis; Haraseb; Eiseb; Coetzee, C.G.: SMW: 1 [1 - **4** - **4**].

Total Specimens for 27 October 1982: 4

28 October 1982

Namibia: Farm Otjitambi 25: Swanepoel, Pierre: KM: 13 [13 - **13** - **13**].
South Sudan: Wau: Moritz, Laura J.: MSU: 5 [5 - **5** - **5**].

Total Specimens for 28 October 1982: 18

30 October 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 3 [3 - **3** - **3**].

Total Specimens for 30 October 1982: 3

2 November 1982

Namibia: Farm Schwarzerfels 33: Swanepoel, Pierre: KM: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1982: 1

3 November 1982

Namibia: Farm Ombarahewa 22: Joubert, K.: KM: 8 [8 - **8**] - Farm Schwarzerfels 33: Joubert, K.: KM: 4 [4]; Swanepoel, Pierre: KM: 3 [3 - **7** - **15**].

Total Specimens for 3 November 1982: 15

4 November 1982

Namibia: Farm Ombarahewa 22: Joubert, K.: KM: 1 [1 - **1**] - Farm Schwarzerfels 33: Joubert, K.: KM: 6 [6 - **6** - **7**].

Total Specimens for 4 November 1982: 7

5 November 1982

Namibia: Farm Ombarahewa 22: Swanepoel, Pierre: KM: 1 [1 - **1** - **1**].
South Sudan: Rumbeck: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1982: 2

6 November 1982

South Sudan: Wau: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1982: 1

8 November 1982

Algeria: Les Andalouses: Kowalski, Kazimierz: HZM: 3 [3 - **3** - **3**].

Total Specimens for 8 November 1982: 3

12 November 1982

Algeria: Les Andalouses: Kowalski, Kazimierz: HZM: 2 [2 - **2** - **2**].
Kenya: Ianzoni: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1982: 3

18 November 1982

Kenya: Lamu town, NW of: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].
South Africa: Fauresmith: ?: Collector Unknown: NMB: 4 [4 - **4** - **4**].

Total Specimens for 18 November 1982: 5

20 November 1982

South Sudan: Mbili: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1982: 1

26 November 1982

South Sudan: Dem Zubeir: Moritz, Laura J.: MSU: 2 [2 - **2**] - Mbili: Moritz, Laura J.: MSU: 1 [1 - **1** - **3**].

Total Specimens for 26 November 1982: 3

27 November 1982

South Sudan: Raga: Moritz, Laura J.: MSU: 3 [3 - **3**] - Wau: Moritz, Laura J.: MSU: 1 [1 - **1** - **4**].

Total Specimens for 27 November 1982: 4

28 November 1982

South Sudan: Raga: Moritz, Laura J.: MSU: 5 [5 - **5** - **5**].

Total Specimens for 28 November 1982: 5

1 December 1982

Egypt: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 1 December 1982: 3

5 December 1982

South Sudan: Rumbeck: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1982: 1

7 December 1982

South Sudan: Mandri: Moritz, Laura J.: MSU: 2 [2 - **2**] - Mundri: Moritz, Laura J.: MSU: 4 [4 - **4** - **6**].

Total Specimens for 7 December 1982: 6

9 December 1982

South Africa: Fauresmith [Petrusburg]: ?: Collector Unknown: NMB: 6 [6 - **6** - **6**].
Tanzania: Capri Point: Roger, C.F.E.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1982: 7

13 December 1982

Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1982: 1

14 December 1982

Algeria: Misserghin: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **1**].
Kenya: Lamu town, NW of: Moritz, Laura J.: MSU: 4 [4 - **4** - **4**].

Total Specimens for 14 December 1982: 5

15 December 1982

Kenya: Lamu town, NW of: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].

Total Specimens for 15 December 1982: 2

16 December 1982

Kenya: Lamu town, NW of: Moritz, Laura J.: MSU: 7 [7 - **7**] - Matondoni: Moritz, Laura J.: MSU: 2 [2 - **2** - **9**].
Liberia: Ngilima: Voros, Andrew S.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 16 December 1982: 12

22 December 1982

Nigeria: Zaria: Ghotosho: HZM: 1 [1 - **1** - **1**].

Total Specimens for 22 December 1982: 1

23 December 1982

Senegal: Diabane: Ames, P.L.: FMNH: 8 [8 - **8** - **8**].
Zimbabwe: Sengwe Wildlife Research Area: Bell, G.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 23 December 1982: 9

24 December 1982

Senegal: Diabane: Ames, P.L.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 24 December 1982: 10

27 December 1982

Senegal: Ziguinchor: Ames, P.L.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 27 December 1982: 3

29 December 1982

Zimbabwe: Lutope and Sengwa Rivers confluence: Bell, G.P.: ROM: 3 [3 - **3**] - Sengwe Wildlife Research Area: Bell, G.P.: ROM: 1 [1 - **1** - **4**].

Total Specimens for 29 December 1982: 4

1 January 1983

Sudan: Kerma: Chaix, L.: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1983: 1

2 January 1983

South Sudan: Juba: Moritz, Laura J.: MSU: 3 [3 - **3** - **3**].

Total Specimens for 2 January 1983: 3

4 January 1983

Algeria: Sig: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1983: 1

5 January 1983

Kenya: Talek Gate, 4.3 km NW: Kerbis Peterhans, Julian C.: FMNH: 6 [6 - **6** - **6**].
Tanzania: Kibwele: Congdon, T.C.E.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 January 1983: 7

7 January 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1983: 1

8 January 1983

Zimbabwe: Sengwe Wildlife Research Area: Bell, G.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1983: 1

9 January 1983

Senegal: Diabane: Ames, P.L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1983: 1

11 January 1983

Kenya: Konza Farm: Ithia, Julius M.K.: ROM: 19 [19 - **19** - **19**].

Total Specimens for 11 January 1983: 19

12 January 1983

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 5 [5 - **5** - **5**].
Senegal: Diabane: Ames, P.L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1983: 6

13 January 1983

Kenya: Konza Farm: Ithia, Julius M.K.: ROM: 6 [6 - **6** - **6**].
Senegal: Diabane: Ames, P.L.: FMNH: 1 [1 - **1** - **1**].
South Africa: Philippolis: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 13 January 1983: 10

14 January 1983

Algeria: Gorges de Kherrata tunnel: Gaisler, Jiri: MUB: 1 [1 - **1** - **1**].
Kenya: Konza Farm: Ithia, Julius M.K.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 14 January 1983: 8

15 January 1983

Senegal: Diabane: Ames, P.L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1983: 1

18 January 1983

Senegal: Diabane: Cabot, M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 January 1983: 2

19 January 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1983: 1

20 January 1983

Senegal: Diabane: Cabot, M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 January 1983: 2

21 January 1983

Kenya: Talek Gate, 4.3 km NW: Kerbis Peterhans, Julian C.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 21 January 1983: 4

22 January 1983

Kenya: Talek Gate, 4.3 km NW: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 22 January 1983: 7

25 January 1983

Algeria: Sig: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **1**].
South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
South Sudan: Wau: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].

Total Specimens for 25 January 1983: 4

29 January 1983

South Africa: Leuvuhu River: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1** - **1**].
Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1983: 2

31 January 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 31 January 1983: 2

1 February 1983

Senegal: Diabane: Ames, P.L.: FMNH: 1 [1]; Cabot, M.: FMNH: 2 [2 - **3** - **3**].

Total Specimens for 1 February 1983: 3

2 February 1983

South Africa: Farm Grootfontein: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1983: 1

3 February 1983

South Africa: Durban, probably: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 3 February 1983: 2

5 February 1983

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - Kyanguli: Ithia, Julius M.K.: ROM: 3 [3 - **3** - **4**].
Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].
South Africa: Kalahari Gemsbok-NP, Leeuwdril: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8**] - Kalahari Gemsbok-NP, Rooikop: Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **11**] - Marie se Gat: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **22**].

Total Specimens for 5 February 1983: 27

6 February 1983

Kenya: Kyanguli: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - Mbebo Hill: Ithia, Julius M.K.: ROM: 2 [2 - **2**] - Mbevo Hills: Ithia, Julius M.K.: ROM: 9 [9 - **9** - **12**].
South Africa: Kalahari Gemsbok-NP, Rooikop: Rautenbach, Ignatius Lourens [=Naas]: TM: 20 [20 - **20**] - Marie se Gat: Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **16** - **36**].

Total Specimens for 6 February 1983: 48

7 February 1983

South Africa: Kuruman: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Marie se Gat: Rautenbach, Ignatius Lourens [=Naas]: TM: 15 [15 - **15** - **16**].

Total Specimens for 7 February 1983: 16

8 February 1983

South Africa: Dankbaar Windmill: Erasmus, B.H.: MMK: 1 [1 - **1** - **1**].
Tanzania: Mwanza: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1983: 2

9 February 1983

South Africa: Bethulie: ?: Collector Unknown: NMB: 4 [4 - **4**] - Kalahari Gemsbok-NP, Bayip: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Kalahari Gemsbok-NP, Dankbaar: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **6**].

Total Specimens for 9 February 1983: 6

10 February 1983

Senegal: Diabane: Cabot, M.: FMNH: 2 [2 - **2** - **2**].
South Africa: Kalahari Gemsbok-NP, Bayip: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Kalahari Gemsbok-NP, Dankbaar: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **6**].

Total Specimens for 10 February 1983: 8

11 February 1983

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1983: 1

12 February 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Capri Point: ?: Collector Unknown: ZMA: 1 [1]; Luttik, R.: ZMA: 1 [1 - **2** - **2**].

Total Specimens for 12 February 1983: 3

13 February 1983

South Africa: Farm Randstephane 455 KQ [=Farm Donkerpoort 448]: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Farm Woodstock: Rautenbach, Ignatius Lourens [=Naas]: TM: 22 [22 - **22**] - Kuruman: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Manxeba windmill: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Picnic site: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **27**].

Total Specimens for 13 February 1983: 27

14 February 1983

South Africa: Farm Woodstock: Rautenbach, Ignatius Lourens [=Naas]: TM: 21 [21 - **21** - **21**].

Total Specimens for 14 February 1983: 21

15 February 1983

South Africa: Kuruman: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **12**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **13**].

Total Specimens for 15 February 1983: 13

16 February 1983

South Africa: Farm Woodstock: ?: Collector Unknown: TM: 1 [1 - **1**] - Kuruman: Rautenbach, Ignatius Lourens [=Naas]: TM: 21 [21 - **21** - **22**].

Total Specimens for 16 February 1983: 22

17 February 1983

South Africa: Kuruman: Rautenbach, Ignatius Lourens [=Naas]: TM: 19 [19 - **19** - **19**].

Total Specimens for 17 February 1983: 19

19 February 1983

South Africa: Farm Grootfontein: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6** - **6**].
Tanzania: Kibwele: Beakbane, K.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1983: 7

20 February 1983

South Africa: Farm Grootfontein: Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **7**] - Mahlangeni: Botha, K.: KNP: 1 [1 - **1** - **8**].

Total Specimens for 20 February 1983: 8

21 February 1983

South Africa: Farm Grootfontein: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **5**].

Total Specimens for 21 February 1983: 5

22 February 1983

South Africa: Farm Grootfontein: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **17** - **17**].

Total Specimens for 22 February 1983: 17

23 February 1983

South Africa: Buxton Mine: ?: Collector Unknown: TM: 2 [2 - **2**] - Norlim mine [=Buxton mine]: Rautenbach, Ignatius Lourens [=Naas]: TM: 19 [19 - **19** - **21**].

Total Specimens for 23 February 1983: 21

24 February 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1983: 1

26 February 1983

Tanzania: Mwanza: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1983: 1

1 March 1983

Egypt: Valley of the Kings: : SMF: 1 [1 - **1** - **1**].
Tanzania: Mwanza: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1983: 2

7 March 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1983: 1

8 March 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1983: 1

9 March 1983

South Africa: Boshof [Hertzogville]: ?: Collector Unknown: NMB: 2 [2 - **2**] - Nylsvlei Nature Reserve: Korn: TM: 1 [1 - **1** - **3**].

Total Specimens for 9 March 1983: 3

10 March 1983

South Africa: Boshof [Hertzogville]: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1983: 1

19 March 1983

South Africa: Farm Brakfontein, Koegelbeen Cave: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].

Total Specimens for 19 March 1983: 12

24 March 1983

Algeria: Les Andalouses: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1983: 1

26 March 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 March 1983: 1

29 March 1983

Tanzania: Dar es Salaam: Luttik, R.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 29 March 1983: 2

1 April 1983

Tanzania: Morogoro: Telford, Steve: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1983: 1

3 April 1983

Tanzania: Unknown locality: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1983: 1

5 April 1983

South Africa: Cape Town: Olson, Storrs L.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1983: 1

7 April 1983

Zimbabwe: Sengwe Wildlife Research Area: Bell, G.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1983: 1

8 April 1983

Namibia: Halali Camp: van der Merwe, G.: TM: 2 [2 - **2** - **2**].

Total Specimens for 8 April 1983: 2

10 April 1983

Tanzania: Isamilo: Luttik, R.: ZMA: 4 [4 - **4**] - Mikumi National Park, H.Q.: Howell, Kim M.: SMF: 1 [1 - **1** - **5**].

Total Specimens for 10 April 1983: 5

13 April 1983

Senegal: Diabane: Cabot, M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 13 April 1983: 3

15 April 1983

Liberia: Elwa Swamp: Voros, Andrew S.: AMNH: 8 [8 - **8**] - Zozoma: Voros, Andrew S.: AMNH: 1 [1 - **1** - **9**].

Total Specimens for 15 April 1983: 9

16 April 1983

Tanzania: Isamilo: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1983: 1

17 April 1983

Tanzania: Isamilo: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 April 1983: 1

20 April 1983

South Africa: Heilbron: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 20 April 1983: 2

21 April 1983

South Africa: Heilbron: ?: Collector Unknown: NMB: 3 [3 - **3**] - Letaba Highwater Bridge: Espie, Ian W.: KNP: 3 [3]; Espie, Ian W.; Braack, L.E.O.: KNP: 2 [2 - **5** - **8**].
Tanzania: Isamilo: Luttik, R.: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 21 April 1983: 12

22 April 1983

Tanzania: Isamilo: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1983: 1

24 April 1983

Senegal: Diabane: Cabot, M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 24 April 1983: 2

28 April 1983

Liberia: Kluga mountains: Voros, Andrew S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1983: 1

29 April 1983

Malawi: Blantyre: Chimimba, Christian Timonthy: NMMB: 2 [2 - **2** - **2**].

Total Specimens for 29 April 1983: 2

30 April 1983

Tanzania: Dar es Salaam: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1983: 1

1 May 1983

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1983: 1

3 May 1983

Tanzania: Isamilo: Luttik, R.: ZMA: 1 [1 - **1** - **1**].
Zimbabwe: Sengwe Wildlife Research Area: Bell, G.P.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1983: 2

6 May 1983

Liberia: Ngilima: Voros, Andrew S.: AMNH: 1 [1 - **1** - **1**].
Tanzania: Isamilo: Luttik, R.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 6 May 1983: 4

9 May 1983

Namibia: Farm Opelo Sud 39: Swanepoel, Pierre: KM: 2 [2 - **2** - **2**].

Total Specimens for 9 May 1983: 2

10 May 1983

Namibia: Farm Opelo Sud 39: Swanepoel, Pierre: KM: 1 [1 - **1** - **1**].
Tanzania: Morogoro: Telford, Steve: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1983: 2

11 May 1983

Namibia: Farm Opelo Sud 39: Swanepoel, Pierre: KM: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1983: 1

13 May 1983

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].

Namibia: Farm Opelo Sud 39: Swanepoel, Pierre: KM: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1983: 2

14 May 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1983: 1

15 May 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 15 May 1983: 2

17 May 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 10 [10 - **10** - **10**].

Total Specimens for 17 May 1983: 10

18 May 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1983: 1

19 May 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Capri Point: Luttik, R.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 19 May 1983: 4

23 May 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 23 May 1983: 2

30 May 1983

Tanzania: Mwanza: Roger, C.F.E.: ZMA: 1 [1 - **1**] - Nyegezi: Luttik, R.: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 30 May 1983: 2

1 June 1983

Niger: Diffa region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1983: 1

6 June 1983

Mauritius: Rodrigues: : ZMA: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1983: 1

13 June 1983

South Africa: South Cave, 5 km East of Metsi Metsi Windmill, on N'Waswitsontso river: Espie, Ian W.; Braack, L.E.O.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1983: 1

14 June 1983

South Africa: Bellsbank Estates: ?: Collector Unknown: TM: 13 [13 - **13** - **13**].

Total Specimens for 14 June 1983: 13

15 June 1983

South Africa: Farm Brakfontein, Koegelbeen Cave: ?: Collector Unknown: TM: 92 [92 - **92**] - Gatkoppies: ?: Collector Unknown: TM: 13 [13 - **13** - **105**].

Total Specimens for 15 June 1983: 105

16 June 1983

South Africa: Buxton Mine: ?: Collector Unknown: TM: 4 [4 - **4**] - South Cave, 5 km East of Metsi Metsi Windmill, on N'Waswitsontso river: Espie, Ian W.; Braack, L.E.O.: KNP: 3 [3 - **3** - **7**].

Total Specimens for 16 June 1983: 7

19 June 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1**] - Mwanza: Luttik, R.: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 19 June 1983: 2

23 June 1983

South Africa: North Cave: Espie, Ian W.; Braack, L.E.O.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1983: 1

27 June 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 27 June 1983: 1

28 June 1983

Sudan: Suni: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1983: 1

1 July 1983

Burkina Faso: Ouagadougou: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1983: 1

5 July 1983

South Africa: Vredefort town: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1983: 1

17 July 1983

Algeria: Ain Ouarka: Gaisler, Jiri: MUB: 1 [1 - **1** - **1**].
Namibia: De Valle: Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]; Erasmus, H.: SMW: 11 [11 - **11** - **11**].

Total Specimens for 17 July 1983: 12

19 July 1983

Algeria: Benni Abbes: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **1**].
South Africa: University of Natal: Richardson, E.J.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1983: 2

20 July 1983

Algeria: Abadla: Gaisler, Jiri; Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 2, MUB: 2 [4 - **4** - **4**].

Total Specimens for 20 July 1983: 4

21 July 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 July 1983: 1

24 July 1983

Liberia: Saniquellie: Voros, Andrew S.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 24 July 1983: 2

25 July 1983

Liberia: Saniquellie: Voros, Andrew S.: AMNH: 2 [2 - **2**] - Sanniquellie: Voros, Andrew S.: AMNH: 1 [1 - **1** - **3**].

Total Specimens for 25 July 1983: 3

26 July 1983

Tanzania: Kilimatinde Hospital: Sandee, H.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1983: 1

28 July 1983

Tanzania: Kilimatinde Hospital: Sandee, H.: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 28 July 1983: 4

29 July 1983

Tanzania: Kilimatinde Hospital: Sandee, H.: ZMA: 5 [5 - **5** - **5**].

Total Specimens for 29 July 1983: 5

31 July 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1983: 1

3 August 1983

Tanzania: Mwanza: Sandee, H.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1983: 1

6 August 1983

Senegal: Diabane: Cabot, M.: FMNH: 2 [2 - **2** - **2**].
Tanzania: Mwanza: Sandee, H.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1983: 3

7 August 1983

Liberia: Kluga: Voros, Andrew S.: AMNH: 1 [1 - **1**] - Kluga Mountains: Voros, Andrew S.: AMNH: 1 [1 - **1** - **2**].

Total Specimens for 7 August 1983: 2

8 August 1983

Senegal: Diabane: Cabot, M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 8 August 1983: 3

9 August 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1983: 1

10 August 1983

Senegal: Diabane: Cabot, M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 10 August 1983: 3

11 August 1983

Liberia: Ngilima: Voros, Andrew S.: AMNH: 1 [1 - **1** - **1**].
Senegal: Diabane: Cabot, M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 11 August 1983: 4

12 August 1983

Morocco: Hercules caves: Romero, Pedro: EBD: 24 [24 - **24** - **24**].

Total Specimens for 12 August 1983: 24

13 August 1983

Algeria: Tikjda: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1983: 1

19 August 1983

South Africa: Farm Okhotso Boekenhoutskloof: Voigt, G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1983: 1

23 August 1983

Senegal: Diabane: Cabot, M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 August 1983: 2

24 August 1983

Senegal: Diabane: Cabot, M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1983: 1

28 August 1983

Kenya: Kiboko: Machakos: HZM: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1983: 1

29 August 1983

South Africa: Figtree camp: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 2 [2 - **2** - **2**].

Total Specimens for 29 August 1983: 2

31 August 1983

South Africa: Fig Tree camp: ?: Collector Unknown: TM: 9 [9 - **9** - **9**].

Total Specimens for 31 August 1983: 9

1 September 1983

South Africa: Figtree camp: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 12 [12 - **12**] - Leuvuhu River: Rautenbach, Ignatius Lourens [=Naas]; Nel; Wolhuter, David A.: TM: 1 [1 - **1** - **13**].

Total Specimens for 1 September 1983: 13

3 September 1983

Liberia: John Hegbe farm: Voros, Andrew S.: AMNH: 1 [1 - **1**] - John Town: Voros, Andrew S.: AMNH: 1 [1 - **1**] - Kluga Mountains: Voros, Andrew S.: AMNH: 1 [1 - **1**] - Zozoma: Voros, Andrew S.: AMNH: 16 [16 - **16** - **19**].

Total Specimens for 3 September 1983: 19

7 September 1983

South Africa: Ngubevu Mine: ?: Collector Unknown: TM: 17 [17 - **17**] - Nqubevu mine: Wolhuter, David A.; Cassidy, R.J.: TM: 59 [59 - **59** - **76**].

Total Specimens for 7 September 1983: 76

9 September 1983

South Africa: Northern Sewage Works: ?: Collector Unknown: TM: 33 [33]; Wolhuter, David A.; Cassidy, R.J.: TM: 1 [1 - **34** - **34**].

Total Specimens for 9 September 1983: 34

10 September 1983

South Africa: Doornhoek mine: Wolhuter, David A.; Cassidy, R.J.: TM: 7 [7 - **7**] - Kok's farm: ?: Collector Unknown: TM: 11 [11 - **11** - **18**].

Total Specimens for 10 September 1983: 18

11 September 1983

South Africa: Hilton Railway tunnel: Cassidy, R.J.; Wolhuter, David A.: TM: 1 [1]; Wolhuter, David A.; Cassidy, R.J.: TM: 15 [15 - **16**] - Town Bush Valley, Town Bush Cave: ?: Collector Unknown: TM: 7 [7]; Wolhuter, David A.; Cassidy, R.J.: TM: 17 [17 - **24** - **40**].
Tanzania: Mwanza: Luttik, R.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 11 September 1983: 42

13 September 1983

Congo (Democratic Republic of the): Cinputu: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].
Tanzania: Nyegezi: Luttik, R.: ZMA: 8 [8 - **8** - **8**].

Total Specimens for 13 September 1983: 10

14 September 1983

Congo (Democratic Republic of the): Cinputu: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].
South Africa: Dumisa Gold Mine: ?: Collector Unknown: TM: 14 [14]; Cassidy, R.J.; Wolhuter, David A.: TM: 4 [4]; Wolhuter, David A.: TM: 1 [1]; Wolhuter, David A.; Cassidy, R.J.: TM: 20 [20 - **39** - **39**].

Total Specimens for 14 September 1983: 41

16 September 1983

South Africa: Sandile's Cave: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **6** - **6**].

Total Specimens for 16 September 1983: 6

17 September 1983

Namibia: Gam Waterhole: Griffin, M.R.: USNM: 5 [5 - **5** - **5**].
Tanzania: Uluguru mountains: Telford, Steve: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1983: 6

19 September 1983

Congo (Democratic Republic of the): Nganza rivier: Betu Nsankulu: RMCA: 2 [2 - **2**] - Tschinputu: Betu Nsankulu: RMCA: 1 [1 - **1** - **3**].

Total Specimens for 19 September 1983: 3

20 September 1983

Congo (Democratic Republic of the): Tschinputu: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1983: 1

23 September 1983

South Africa: Farm Goudhoek: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].

Total Specimens for 23 September 1983: 12

24 September 1983

South Africa: Farm Goedhoek [=Goudhoek]: Wolhuter, David A.; Cassidy, R.J.: TM: 11 [11 - **11**] - Farm Goudhoek: ?: Collector Unknown: TM: 20 [20 - **20** - **31**].

Total Specimens for 24 September 1983: 31

25 September 1983

South Africa: Farm Goedhoek [=Goudhoek]: Wolhuter, David A.; Cassidy, R.J.: TM: 5 [5 - **5**] - Farm Goudhoek: ?: Collector Unknown: TM: 20 [20 - **20** - **25**].

Total Specimens for 25 September 1983: 25

28 September 1983

South Africa: Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1983: 1

29 September 1983

Comoros: St Antoine: Mission zoologique Belge, La: RMCA: 3 [3 - **3** - **3**].
South Africa: Leuvuhu River: Wolhuter, David A.; *et al.*: TM: 2 [2 - **2**] - Levuvhu River: ?: Collector Unknown: TM: 1 [1 - **1**] - Old Picnic Site: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1** - **4**].

Total Specimens for 29 September 1983: 7

30 September 1983

South Africa: Anthrax camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Leuvuhu River: Wolhuter, David A.; *et al.*: TM: 12 [12]; Wolhuter, David A.; Cassidy, R.J.; TS; LB: TM: 3 [3 - **15**] - Levuvhu River: ?: Collector Unknown: TM: 12 [12 - **12** - **28**].

Total Specimens for 30 September 1983: 28

1 October 1983

Comoros: St Antoine: Mission zoologique Belge, La: RMCA: 2 [2 - **2** - **2**].
South Africa: Levuvhu Hippopool: Wolhuter, David A.; Cassidy, R.J.: TM: 1 [1 - **1**] - Levuvhu River: ?: Collector Unknown: TM: 10 [10 - **10** - **11**].

Total Specimens for 1 October 1983: 13

2 October 1983

South Africa: Kruger-NP: ?: Collector Unknown: TM: 1 [1 - **1**] - Levuvhu River: ?: Collector Unknown: TM: 6 [6 - **6**] - Old Picnic Site: Wolhuter, David A.; Cassidy, R.J.: KNP: 2, TM: 1 [3 - **3** - **10**].

Total Specimens for 2 October 1983: 10

5 October 1983

South Africa: Old Picnic Site: ?: Collector Unknown: TM: 2 [2 - **2**] - Skukuza lab buildings: ?: Collector Unknown: TM: 10 [10 - **10** - **12**].

Total Specimens for 5 October 1983: 12

6 October 1983

South Africa: Old Picnic Site: ?: Collector Unknown: TM: 4 [4 - **4**] - Skukuza: ?: Collector Unknown: TM: 9 [9 - **9**] - Skukuza lab buildings: ?: Collector Unknown: TM: 11 [11 - **11** - **24**].

Total Specimens for 6 October 1983: 24

7 October 1983

Comoros: Chiconi: Mission zoologique Belge, La: RMCA: 1 [1 - **1** - **1**].

Namibia: Dumushe water: Coetzee, C.G.: TM: 6 [6 - **6** - **6**].

Total Specimens for 7 October 1983: 7

8 October 1983

Liberia: Zozoma: Voros, Andrew S.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1983: 1

11 October 1983

Malawi: Mwabvi Rest Camp: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1983: 1

22 October 1983

South Africa: Skukuza: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].

Total Specimens for 22 October 1983: 12

23 October 1983

Comoros: Mtsangamouthoum: Mission zoologique Belge, La: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 October 1983: 1

24 October 1983

Comoros: Mtsangamouthoum: Mission zoologique Belge, La: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1983: 1

25 October 1983

Comoros: Adda Doueni: Mission zoologique Belge, La: RMCA: 1 [1 - **1**] - Moroni: Mission zoologique Belge, La: RMCA: 10 [10 - **10** - **11**].
South Africa: Old Picnic Site: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **9** - **9**].

Total Specimens for 25 October 1983: 20

26 October 1983

Comoros: Mtsangamouthoum: Mission zoologique Belge, La: RMCA: 1 [1 - **1** - **1**].
Senegal: Edanga: Cabot, M.: FMNH: 1 [1 - **1**] - Eganga: Cabot, M.: FMNH: 2 [2 - **2** - **3**].
South Africa: Lanner Gorge cave: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Total Specimens for 26 October 1983: 8

27 October 1983

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 9 [9 - **9**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - Pafuri area, Mockford's Garden: ?: Collector Unknown: TM: 5 [5 - **5** - **18**].

Total Specimens for 27 October 1983: 18

28 October 1983

Comoros: Moroni: Mission zoologique Belge, La: RMCA: 1 [1 - **1** - **1**].
South Africa: Erfplaas windmill: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **16** - **16**].

Total Specimens for 28 October 1983: 17

29 October 1983

Senegal: Edanga: Cabot, M.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 29 October 1983: 6

30 October 1983

Senegal: Edanga: Cabot, M.: FMNH: 2 [2 - **2**] - Eganga: Cabot, M.: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 30 October 1983: 3

4 November 1983

Liberia: Ceasar's Beach, near: Voros, Andrew S.: AMNH: 2 [2 - **2** - **2**].
Tanzania: Capri Point: Luttik, R.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 4 November 1983: 5

5 November 1983

Liberia: Ceasar's Beach: Voros, Andrew S.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 5 November 1983: 3

6 November 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1983: 1

8 November 1983

Comoros: St Antoine: Mission zoologique Belge, La: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 8 November 1983: 2

10 November 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1983: 1

11 November 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 11 November 1983: 2

12 November 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1983: 1

13 November 1983

Namibia: Dosa: Griffin, M.R.; Wallis, V.: USNM: 1 [1 - **1** - **1**].
Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1983: 2

14 November 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 14 November 1983: 2

15 November 1983

Liberia: Zozoma: Voros, Andrew S.: AMNH: 1 [1 - **1** - **1**].
Tanzania: Capri Point: Luttik, R.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 15 November 1983: 4

18 November 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 18 November 1983: 3

19 November 1983

Tanzania: Capri Point: ?: Collector Unknown: ZMA: 1 [1]; Luttik, R.: ZMA: 4 [4 - **5** - **5**].

Total Specimens for 19 November 1983: 5

20 November 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1983: 1

24 November 1983

Tanzania: Capri Point: Luttik, R.: ZMA: 2 [2 - **2**] - Nyegezi: Luttik, R.: ZMA: 1 [1 - **1** - **3**].

Total Specimens for 24 November 1983: 3

25 November 1983

South Africa: Farm Leelykstraat 320: ?: Collector Unknown: MMK: 2 [2]; Erasmus, B.H.: MMK: 3 [3 - **5** - **5**].
Tanzania: Sengerema: Luttik, R.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 25 November 1983: 8

26 November 1983

South Africa: Pafuri area, Mockford's Garden: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Tanzania: Sengerema: ?: Collector Unknown: ZMA: 1 [1]; Luttik, R.: ZMA: 1 [1 - **2** - **2**].

Total Specimens for 26 November 1983: 4

27 November 1983

South Africa: Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - Skukuza lab buildings: ?: Collector Unknown: TM: 7 [7 - **7** - **10**].

Total Specimens for 27 November 1983: 10

28 November 1983

Guinea: Boussoura: Cabot, M.: FMNH: 1 [1 - **1** - **1**].
South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 10 [10 - **10**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **13**].

Total Specimens for 28 November 1983: 14

29 November 1983

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 6 [6 - **6**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6** - **12**].
Tanzania: Bwiru: Luttik, R.: ZMA: 2 [2 - **2**] - Capri Point: Luttik, R.: ZMA: 1 [1 - **1**] - Wiru: Luttik, R.: ZMA: 2 [2 - **2** - **5**].

Total Specimens for 29 November 1983: 17

30 November 1983

Guinea: Boussoura: Cabot, M.: FMNH: 1 [1 - **1** - **1**].
South Africa: Anthrax camp: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **11**] - Leuvuhu River: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1**] - Old Picnic Site: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **11** - **23**].

Total Specimens for 30 November 1983: 24

1 December 1983

Guinea: Mt. Nimba: Brosset, André: MHNG: 1 [1]; Brosset, André; Richaud, Pierre: MNHN: 3 [3 - **4** - **4**].
Tanzania: Capri Point: Luttik, R.: ZMA: 1 [1 - **1**] - Mwanza: Luttik, R.: ZMA: 2 [2 - **2** - **3**].

Total Specimens for 1 December 1983: 7

4 December 1983

South Africa: St. Lucia: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1983: 1

15 December 1983

South Africa: Mkuzi Game Reserve: Tomkinson, T.: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1983: 1

20 December 1983

Congo (Democratic Republic of the): Matamba: Betu Nsankulu: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 20 December 1983: 6

21 December 1983

Tanzania: Kamanga: Luttik, R.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 21 December 1983: 2

22 December 1983

Congo (Democratic Republic of the): Mikalaya: Betu Nsankulu: RMCA: 1 [1 - **1**] - Mikalaya mission: Betu Nsankulu: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 22 December 1983: 3

28 December 1983

South Africa: Culling camp: ?: Collector Unknown: TM: 11 [11]; Wolhuter, David A.; *et al.*: TM: 10 [10 - **21**] - Skukuza lab buildings: ?: Collector Unknown: TM: 4 [4 - **4** - **25**].

Total Specimens for 28 December 1983: 25

29 December 1983

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 5 [5 - **5**] - Figtree camp: Wolhuter, David A.; *et al.*: TM: 10 [10 - **10** - **15**].

Total Specimens for 29 December 1983: 15

30 December 1983

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].

Total Specimens for 30 December 1983: 5

31 December 1983

South Africa: Howick: Bourquin, O.: TM: 1 [1 - **1** - **1**].
Tanzania: Kamanga: Luttik, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1983: 2

1 January 1984

Congo (Democratic Republic of the): Unknown locality: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
Tunisia: Gabès, 100 km S: Gaucher, Ph.; Brosset, André: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1984: 2

2 January 1984

Cameroon: Mount Cameroon, south side: Fedden, M.O.; MacLeod, H.L.: BMNH: 1 [1 - **1** - **1**].
Liberia: Zozoma: Voros, Andrew S.: AMNH: 26 [26 - **26** - **26**].

Total Specimens for 2 January 1984: 27

7 January 1984

Egypt: Sultan Hassan Mosque: Walen, A.: ZMA: 7 [7 - **7** - **7**].
South Africa: Bloemfontein: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1984: 8

11 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 5 [5 - **5** - **5**].

Total Specimens for 11 January 1984: 5

12 January 1984

Congo (Democratic Republic of the): Bena Mbala: Betu Nsankulu: RMCA: 1 [1 - **1**] - Kivu region: Stephan, Heinz: SMF: 1 [1 - **1** - **2**].

Total Specimens for 12 January 1984: 2

15 January 1984

Congo (Democratic Republic of the): Bena Mbala: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 15 January 1984: 2

17 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 3 [3 - **3** - **3**].

Total Specimens for 17 January 1984: 3

18 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].

Total Specimens for 18 January 1984: 2

19 January 1984

South Africa: Ladybrand: ?: Collector Unknown: NMB: 4 [4 - **4** - **4**].

Total Specimens for 19 January 1984: 4

20 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].

Total Specimens for 20 January 1984: 2

21 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].

Total Specimens for 21 January 1984: 2

22 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
Kenya: Kabarsera: Cifelli, R.L.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 22 January 1984: 3

23 January 1984

Kenya: Kabarsear,ca 15 mi NNE: Cifelli, R.L.: USNM: 1 [1 - **1**] - Kabarsera: Cifelli, R.L.: USNM: 24 [24 - **24**] - Kabarsera,ca 15 mi NNE: Cifelli, R.L.: USNM: 1 [1 - **1** - **26**].

Total Specimens for 23 January 1984: 26

24 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1984: 1

25 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 14 [14]; Rautenbach, Ignatius Lourens [=Naas]; Nel; van der Merwe, Mac.: TM: 1 [1 - **15**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: TM: 13 [13 - **13**] - Skukuza lab buildings: ?: Collector Unknown: TM: 10 [10 - **10** - **38**].

Total Specimens for 25 January 1984: 39

26 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].
Kenya: Poi, 2 mi N: Cifelli, R.L.: USNM: 4 [4 - **4** - **4**].
South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 1 [1 - **1**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: TM: 2 [2 - **6**] - Tshalungwa Fountain: ?: Collector Unknown: TM: 6 [6 - **6**] - Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein]: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: TM: 6 [6 - **7** - **20**].
Tanzania: Dar-Es-Salaam region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1984: 27

27 January 1984

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 3 [3 - **3**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: TM: 3 [3 - **8** - **11**].

Total Specimens for 27 January 1984: 11

28 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
South Africa: Mashikiri windmill: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]; Nel; van der Merwe, Mac.: TM: 4 [4 - **8** - **8**].

Total Specimens for 28 January 1984: 9

29 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 9 [9 - **9** - **9**].

Total Specimens for 29 January 1984: 9

31 January 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 2 [2 - **2**] - Kivu region: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Total Specimens for 31 January 1984: 3

1 February 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].
South Africa: Old Picnic Site: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1984: 3

2 February 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 1 [1 - **1**] - Kivu region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 2 February 1984: 2

5 February 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1984: 1

6 February 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1984: 1

8 February 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1984: 1

11 February 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1984: 1

12 February 1984

Congo (Democratic Republic of the): Kivu region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1984: 1

13 February 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
South Africa: St. Lucia: ?: Collector Unknown: TM: 2 [2 - **2**] - St. Lucia Village: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

Total Specimens for 13 February 1984: 4

15 February 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].
South Africa: Farm Mimosa 454: Erasmus, B.H.: MMK: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1984: 3

17 February 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 6 [6 - **6** - **6**].

Total Specimens for 17 February 1984: 6

18 February 1984

Congo (Democratic Republic of the): Irangi: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].

Total Specimens for 18 February 1984: 2

19 February 1984

South Africa: Old Picnic Site: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1984: 1

20 February 1984

South Africa: St. Lucia: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1984: 1

21 February 1984

Congo (Democratic Republic of the): Bena Mbala: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 21 February 1984: 2

24 February 1984

Tanzania: Lugoda Tea Estate: Baswell: SMF: 1 [1 - **1**] - Mgudeni: Telford, Steve: RMCA: 4 [4 - **4** - **5**].

Total Specimens for 24 February 1984: 5

28 February 1984

South Africa: Anthrax camp: ?: Collector Unknown: TM: 9 [9]; Rautenbach, Ignatius Lourens [=Naas]: TM: 23 [23 - **32**] - Skukuza lab buildings: ?: Collector Unknown: TM: 10 [10 - **10** - **42**].

Total Specimens for 28 February 1984: 42

29 February 1984

South Africa: Anthrax camp: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **8**] - Old Picnic Site: ?: Collector Unknown: TM: 1 [1 - **1** - **9**].

Total Specimens for 29 February 1984: 9

1 March 1984

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 13 [13 - **13**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **16**].

Total Specimens for 1 March 1984: 16

2 March 1984

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 2 [2 - **2**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Gwalali Army Camp: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **8** - **12**].
Tanzania: Nyegezi: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1984: 13

3 March 1984

South Africa: Gwalali Army camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **3**].
Sudan: Khartoum: Walen, A.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 3 March 1984: 4

4 March 1984

South Africa: Mashikiri windmill: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **6** - **6**].

Total Specimens for 4 March 1984: 6

6 March 1984

South Africa: Kruger-NP, Bangu gorge caves: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **3** - **3**].

Total Specimens for 6 March 1984: 3

11 March 1984

Sudan: Khuwei, 7 mi N: Walen, A.: ZMA: 6 [6 - **6** - **6**].

Total Specimens for 11 March 1984: 6

12 March 1984

South Africa: Ngome Police Station: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1984: 1

14 March 1984

Sudan: Khartoum: Walen, A.: ZMA: 15 [15 - **15** - **15**].

Total Specimens for 14 March 1984: 15

21 March 1984

Egypt: Dakhla Oasis: Goodman, Steven M.: UMMZ: 1 [1 - **1** - **1**].

Total Specimens for 21 March 1984: 1

23 March 1984

South Africa: Underberg, Trout hatchery: Alletson, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1984: 1

24 March 1984

Egypt: Kharga Oasis, Temple of Hibis: Goodman, Steven M.: UMMZ: 5 [5 - **5** - **5**].

Total Specimens for 24 March 1984: 5

26 March 1984

Kenya: Muumandu: Ithia, Julius M.K.: ROM: 12 [12 - **12** - **12**].

Total Specimens for 26 March 1984: 12

27 March 1984

Kenya: Muumandu: Ithia, Julius M.K.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 27 March 1984: 3

31 March 1984

South Africa: Anthrax camp: ?: Collector Unknown: TM: 12 [12]; Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **15**] - Skukuza lab buildings: ?: Collector Unknown: TM: 8 [8 - **8** - **23**].

Total Specimens for 31 March 1984: 23

1 April 1984

South Africa: Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **7** - **7**].

Total Specimens for 1 April 1984: 7

2 April 1984

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 5 [5 - **5**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8** - **13**].

Total Specimens for 2 April 1984: 13

3 April 1984

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 16 [16 - **16**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **19**].

Total Specimens for 3 April 1984: 19

4 April 1984

South Africa: Anthrax camp: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 4 April 1984: 2

7 April 1984

Egypt: West Bank, Valley of the Kings, Tomb of Hutschepsut: Goodman, Steven M.: UMMZ: 13 [13 - **13** - **13**].

Total Specimens for 7 April 1984: 13

12 April 1984

Kenya: Muumandu: Ithia, Julius M.K.: ROM: 15 [15 - **15** - **15**].

South Africa: Nyala and Main Roads junction: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **2**].

Total Specimens for 12 April 1984: 17

15 April 1984

Liberia: Elwa Swamp: Voros, Andrew S.: AMNH: 2 [2 - **2**] - Elwa Swamp, near: Voros, Andrew S.: AMNH: 1 [1 - **1** - **3**].

Total Specimens for 15 April 1984: 3

16 April 1984

Kenya: Muumandu Hill: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].
Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: Robbins, C. Brian; Schmidt, D.F.: USNM: 10 [10 - **10** - **10**].
Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1984: 12

17 April 1984

Kenya: Muumandu Hill: Ithia, Julius M.K.: ROM: 5 [5 - **5** - **5**].
Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: USNM: 5 [5 - **5** - **5**].
Tanzania: Morogoro region: ?: Collector Unknown: SMF: 2 [2 - **2**] - Mwanihana forest: Howell, Kim M.: SMF: 1 [1 - **1** - **3**].

Total Specimens for 17 April 1984: 13

18 April 1984

Kenya: Muumandu Hill: Ithia, Julius M.K.: ROM: 2 [2 - **2** - **2**].
Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: USNM: 9 [9 - **9** - **9**].
South Africa: Ficksburg, ca 1 km to Clocolan: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Tanzania: Morogoro region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 18 April 1984: 14

19 April 1984

South Africa: Old Picnic Site: ?: Collector Unknown: TM: 8 [8]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **10** - **10**].
Tanzania: Iringa region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1984: 11

20 April 1984

Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: Robbins, C. Brian: USNM: 8 [8]; Schmidt, D.F.: USNM: 3 [3 - **11** - **11**].

Total Specimens for 20 April 1984: 11

22 April 1984

Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: USNM: 5 [5 - **5** - **5**].
South Africa: Gwalali Army Camp: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **6**] - Limpopo-Levuvhu river confluence: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Limpopo-Levuvhu Rivers confluence: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **11**].

Total Specimens for 22 April 1984: 16

23 April 1984

Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: USNM: 5 [5 - **5** - **5**].
South Africa: Mashikiri windmill: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **4** - **4**].

Total Specimens for 23 April 1984: 9

24 April 1984

Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: Carleton, Michael Dean; Robbins, C. Brian: USNM: 1 [1]; Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: USNM: 5 [5 - **6** - **6**].

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 18 [18 - **18**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 12 [12 - **12**] - Levuvhu bridge: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **5** - **35**].
Tanzania: Mtwara region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1984: 42

25 April 1984

South Africa: Levuvhu bridge: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: CM: 1 [1 - **4**] - Skukuza lab buildings: ?: Collector Unknown: TM: 8 [8 - **8** - **12**].

Total Specimens for 25 April 1984: 12

26 April 1984

South Africa: Old Picnic Site: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **6** - **6**].

Total Specimens for 26 April 1984: 6

28 April 1984

South Africa: Skukuza lab buildings: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1984: 1

29 April 1984

Sierra Leone: Outamba-Kilimi-NP, Kilimi section: Robbins, C. Brian: USNM: 2 [2 - **2** - **2**].

Total Specimens for 29 April 1984: 2

30 April 1984

Sierra Leone: Outamba-Kilimi-NP, Kilimi section: Robbins, C. Brian; Schmidt, D.F.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 30 April 1984: 3

2 May 1984

South Africa: Fouriesburg: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].
The Gambia: Banjul: Williams: HZM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1984: 4

5 May 1984

South Africa: Brandfort: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1984: 1

13 May 1984

Sierra Leone: Outamba-Kilimi-NP, HQ, W bank Kaba river: Carleton, Michael Dean: USNM: 3 [3]; Schmidt, D.F.: USNM: 1 [1 - **4** - **4**].

Total Specimens for 13 May 1984: 4

14 May 1984

The Gambia: Walli Kunda, near: Williams, John George: HZM: 2 [2 - **2** - **2**].

Total Specimens for 14 May 1984: 2

15 May 1984

Sierra Leone: Outamba-Kilimi-NP, Outamba section: Robbins, C. Brian; Schmidt, D.F.: USNM: 8 [8 - **8** - **8**].

Total Specimens for 15 May 1984: 8

16 May 1984

Liberia: Juarzon: Voros, Andrew S.: AMNH: 4 [4 - **4** - **4**].

Sierra Leone: Outamba-Kilimi-NP, Outamba section: Robbins, C. Brian: USNM: 7 [7 - **7** - **7**].

Total Specimens for 16 May 1984: 11

17 May 1984

Liberia: Juarzon: Voros, Andrew S.: AMNH: 4 [4 - **4** - **4**].
Sierra Leone: Outamba-Kilimi-NP, Outamba section: Robbins, C. Brian: USNM: 2 [2 - **2** - **2**].

Total Specimens for 17 May 1984: 6

18 May 1984

Sierra Leone: Outamba-Kilimi-NP, Outamba section: Robbins, C. Brian: USNM: 3 [3 - **3** - **3**].

Total Specimens for 18 May 1984: 3

19 May 1984

Sierra Leone: Outamba-Kilimi-NP, Outamba section: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 19 May 1984: 1

22 May 1984

Sierra Leone: Outamba-Kilimi-NP: Robbins, C. Brian: USNM: 11 [11 - **11** - **11**].

Total Specimens for 22 May 1984: 11

23 May 1984

Sierra Leone: Outamba-Kilimi-NP: Robbins, C. Brian: USNM: 8 [8 - **8** - **8**].

Total Specimens for 23 May 1984: 8

24 May 1984

Sierra Leone: Outamba-Kilimi-NP: Robbins, C. Brian: USNM: 5 [5 - **5** - **5**].

Total Specimens for 24 May 1984: 5

25 May 1984

Congo (Democratic Republic of the): Fwa, lake: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
Sierra Leone: Outamba-Kilimi-NP: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1984: 2

26 May 1984

Sierra Leone: Outamba-Kilimi-NP: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].
South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 2 [2 - **2**] - Taung: James, D.K.: ZMA: 2 [2 - **2** - **4**].

Total Specimens for 26 May 1984: 5

27 May 1984

South Africa: Old Picnic Site: ?: Collector Unknown: TM: 4 [4]; Wolhuter, David A.: TM: 1 [1]; Wolhuter, David A.; *et al.*: TM: 6 [6 - **11**] - Taung: James, D.K.: ZMA: 4 [4 - **4** - **15**].

Total Specimens for 27 May 1984: 15

28 May 1984

South Africa: Levuvhu River: Vinter, H.: TM: 1 [1 - **1**] - Old Picnic Site: ?: Collector Unknown: TM: 2 [2]; Grimbeek, Anton: TM: 1 [1]; Wolhuter, David A.; *et al.*: TM: 5 [5 - **8** - **9**].

Total Specimens for 28 May 1984: 9

29 May 1984

South Africa: Old Picnic Site: ?: Collector Unknown: TM: 3 [3]; Wolhuter, David A.; *et al.*: TM: 3 [3 - **6** - **6**].

Total Specimens for 29 May 1984: 6

30 May 1984

Egypt: Bir Kohila: Osborn, Dale James: NMP: 5 [5 - **5**] - Bir Nagat: Osborn, Dale James: NMP: 1 [1 - **1** - **6**].

Total Specimens for 30 May 1984: 6

2 June 1984

Egypt: Bir Nagat: Osborn, Dale James: NMP: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1984: 1

4 June 1984

Egypt: Bir Nagat: Osborn, Dale James: NMP: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1984: 1

5 June 1984

South Africa: Skukuza lab buildings: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].

Total Specimens for 5 June 1984: 12

22 June 1984

Kenya: Muumandu Market: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1984: 1

23 June 1984

South Africa: Fig Tree Forest: ?: Collector Unknown: TM: 8 [8 - **8**] - Figtree forest: Wolhuter, David A.; Coetzer, D.J.: TM: 3 [3 - **3**] - Skukuza Village: ?: Collector Unknown: TM: 7 [7 - **7** - **18**].

Total Specimens for 23 June 1984: 18

24 June 1984

South Africa: Fig Tree Forest: ?: Collector Unknown: TM: 1 [1 - **1**] - Figtree forest: Wolhuter, David A.; Coetzer, D.J.: TM: 3 [3 - **3** - **4**].

Total Specimens for 24 June 1984: 4

25 June 1984

South Africa: Anthrax camp: Wolhuter, David A.; Coetzer, D.J.: TM: 3 [3 - **3** - **3**].

Total Specimens for 25 June 1984: 3

26 June 1984

South Africa: Manxeba windmill: ?: Collector Unknown: TM: 8 [8]; Wolhuter, David A.; Coetzer, D.J.: TM: 3 [3 - **11** - **11**].

Total Specimens for 26 June 1984: 11

27 June 1984

Kenya: Unknown locality: ?: Collector Unknown: QM: 2 [2 - **2** - **2**].
South Africa: Manxeba windmill: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].

Total Specimens for 27 June 1984: 8

29 June 1984

South Africa: Manxeba windmill: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 June 1984: 1

30 June 1984

South Africa: Old Picnic Site: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1984: 1

1 July 1984

Congo (Democratic Republic of the): Tshakala: Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1984: 1

10 July 1984

Botswana: Xugana Island: Goodwin, Robert E.: AMNH: 1 [1 - **1**] - Xugana Island, Splash Camp: Goodwin, Robert E.: AMNH: 5 [5 - **5** - **6**].

Total Specimens for 10 July 1984: 6

11 July 1984

Tanzania: Morogoro: Telford, Steve: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1984: 1

12 July 1984

South Africa: Lady Grey: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1984: 1

15 July 1984

Botswana: Xugana Island: Goodwin, Robert E.: AMNH: 7 [7 - **7** - **7**].

Total Specimens for 15 July 1984: 7

18 July 1984

Botswana: Xugana Island: Goodwin, Robert E.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 July 1984: 2

22 July 1984

Congo (Democratic Republic of the): Boteka: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1984: 1

23 July 1984

Mauritius: Unknown locality: d'Unienville, Marc: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1984: 1

26 July 1984

South Africa: Skukuza Town: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].

Total Specimens for 26 July 1984: 12

27 July 1984

South Africa: Old Culling camp: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **6** - **6**].

Total Specimens for 27 July 1984: 6

28 July 1984

South Africa: Manxeba windmill: ?: Collector Unknown: TM: 14 [14 - **14**] - New Figtree Forest: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **15**].

Total Specimens for 28 July 1984: 15

29 July 1984

South Africa: Magamba windmill: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].

Total Specimens for 29 July 1984: 4

30 July 1984

South Africa: Manxeba windmill: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **6** - **6**].

Total Specimens for 30 July 1984: 6

1 August 1984

Congo (Democratic Republic of the): Amadjabe: Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1984: 1

3 August 1984

South Africa: Pafuri area, Mockford's Garden: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1984: 1

7 August 1984

Egypt: Giza pyramids area: Pierson, Elizabeth D.: MVZ: 28 [28 - **28** - **28**].

Total Specimens for 7 August 1984: 28

8 August 1984

Malawi: Likabula river: Harrison, David Lakin; Bates, Paul J.J.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1984: 1

11 August 1984

Namibia: Welverdien Farm 328: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1984: 1

21 August 1984

Kenya: Muumandu Market: Ithia, Julius M.K.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 21 August 1984: 6

22 August 1984

Namibia: Farm Ombonde 616: Schlitter, Duane Albert: SMW: 1 [1]; Schlitter, Duane Albert; Coetzee, C.G.: SMW: 3 [3 - **4**] - Ombonde Farm 616: Schlitter, Duane Albert: CM: 2 [2 - **2** - **6**].

Total Specimens for 22 August 1984: 6

23 August 1984

Kenya: Muumandu: Ithia, Julius M.K.: ROM: 2 [2 - **2** - **2**].
Malawi: Likwenu river: Harrison, David Lakin; Bates, Paul J.J.: HZM: 1 [1 - **1** - **1**].
Namibia: Farm Ombonde 616: Schlitter, Duane Albert; Coetzee, C.G.: SMW: 2 [2 - **2**] - Ombonde Farm 616: Schlitter, Duane Albert: CM: 2 [2 - **2** - **4**].

Total Specimens for 23 August 1984: 7

24 August 1984

Kenya: Muumandu: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].
Namibia: Ombonde Farm 616: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 24 August 1984: 3

25 August 1984

Kenya: Muumandu: Ithia, Julius M.K.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 25 August 1984: 3

26 August 1984

Congo (Democratic Republic of the): Boteka: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1984: 1

28 August 1984

South Africa: Anthrax camp: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].

Total Specimens for 28 August 1984: 5

29 August 1984

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 8 [8 - **8**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **12**].

Total Specimens for 29 August 1984: 12

30 August 1984

South Africa: Culling camp: ?: Collector Unknown: TM: 2 [2 - **2**] - Manxeba windmill: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **3**].

Total Specimens for 30 August 1984: 3

31 August 1984

South Africa: Manditobe Dam: ?: Collector Unknown: TM: 6 [6]; Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **10** - **10**].

Total Specimens for 31 August 1984: 10

1 September 1984

Tanzania: Gibbs farm: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1984: 1

3 September 1984

Tanzania: Arusha region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Mbeya region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Mongola: Howell, Kim M.; Harly: SMF: 1 [1 - **1** - **3**].

Total Specimens for 3 September 1984: 3

4 September 1984

South Africa: Rhenosterkoppies: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Skukuza lab buildings: ?: Collector Unknown: TM: 10 [10 - **10**] - Skukuza Town: ?: Collector Unknown: TM: 1 [1 - **1** - **12**].

Total Specimens for 4 September 1984: 12

12 September 1984

South Africa: Aliwal North: ?: Collector Unknown: NMB: 4 [4 - **4** - **4**].

Total Specimens for 12 September 1984: 4

14 September 1984

South Africa: Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1984: 1

20 September 1984

South Africa: Ladybrand Town: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1984: 1

24 September 1984

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 11 [11 - **11**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **9** - **20**].

Total Specimens for 24 September 1984: 20

25 September 1984

South Africa: Figtree Forest, downstream: ?: Collector Unknown: TM: 12 [12 - **12**] - Pafuri,Figtree Forest, downstream: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **15**].

Total Specimens for 25 September 1984: 15

26 September 1984

South Africa: Manxeba windmill: ?: Collector Unknown: TM: 7 [7 - **7** - **7**].

Total Specimens for 26 September 1984: 7

30 September 1984

South Africa: Skukuza lab buildings: ?: Collector Unknown: TM: 7 [7 - **7** - **7**].

Total Specimens for 30 September 1984: 7

6 October 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1984: 1

9 October 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 7 [7 - **7** - **7**].

Total Specimens for 9 October 1984: 7

13 October 1984

Kenya: Muumandu Hill: Ithia, Julius M.K.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 13 October 1984: 6

14 October 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1984: 1

20 October 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 8 [8 - **8** - **8**].

Total Specimens for 20 October 1984: 8

27 October 1984

South Africa: Old Culling camp: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1984: 1

28 October 1984

South Africa: Manxeba windmill: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1984: 1

29 October 1984

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 5 [5 - **5**] - Figtree camp: Wolhuter, David A.; van der Merwe, N.J.: TM: 5 [5 - **5** - **10**].

Total Specimens for 29 October 1984: 10

30 October 1984

Namibia: Klein Aus Farm 8: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8** - **8**].
South Africa: Fig forest, Left-hand bank: Wolhuter, David A.; van der Merwe, N.J.: TM: 1 [1 - **1**] - Fig Tree Camp: ?: Collector Unknown: CM: 1, TM: 1 [2 - **2**] - Fig Tree Camp, downstream left hand bank: ?: Collector Unknown: TM: 1 [1 - **1**] - Fig Tree Camp, left hand bank: ?: Collector Unknown: TM: 10 [10 - **10**] - Figtree Forest: ?: Collector Unknown: TM: 2 [2]; Wolhuter, David A.; van der Merwe, N.J.: TM: 4 [4 - **6**] - Figtree forest, 4.8 km downstream: Wolhuter, David A.; van der Merwe, N.J.: TM: 1 [1 - **1** - **21**].

Total Specimens for 30 October 1984: 29

31 October 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].
Namibia: Klein Aus Farm 8: Rautenbach, Ignatius Lourens [=Naas]: TM: 10 [10 - **10** - **10**].
South Africa: Figtree camp: Wolhuter, David A.: CM: 1 [1 - **1**] - Figtree Forest: ?: Collector Unknown: TM: 3 [3]; Wolhuter, David A.; van der Merwe, N.J.: TM: 5 [5 - **8**] - Manxeba windmill: ?: Collector Unknown: TM: 1 [1 - **1** - **10**].

Total Specimens for 31 October 1984: 21

1 November 1984

Namibia: Klein Aus Farm 8: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6]; Schlitter, Duane Albert: CM: 1 [1 - **7** - **7**].
South Africa: Manxeba windmill: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1984: 10

2 November 1984

South Africa: Skukuza lab buildings: ?: Collector Unknown: TM: 9 [9 - **9** - **9**].

Total Specimens for 2 November 1984: 9

3 November 1984

Namibia: Farm Zwartmodder 101: Rautenbach, Ignatius Lourens [=Naas]: TM: 32 [32 - **32**] - Zwartmodder 101: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]: SMW: 3 [3 - **3** - **35**].

Total Specimens for 3 November 1984: 35

4 November 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].
Namibia: Farm Zwartmodder 101: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Zwartmodder 101: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]: SMW: 6 [6 - **6** - **7**].

Total Specimens for 4 November 1984: 8

5 November 1984

Namibia: Farm Zwartmodder 101: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 13 [13 - **14**] - Zwartmodder 101: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]: SMW: 2 [2 - **2** - **16**].

Total Specimens for 5 November 1984: 16

7 November 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1** - **1**].
Namibia: Farm Zwartmodder 101: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1984: 2

9 November 1984

Namibia: Farm Otjikoko Sud 61 [Pipistrelle Cave]: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 10 [10 - **13**] - Otjikoko Sud 61: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **15**].

Total Specimens for 9 November 1984: 15

12 November 1984

Malawi: Liwonde National Park: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1984: 1

13 November 1984

Malawi: Liwonde National Park: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1984: 1

15 November 1984

Kenya: Mbevo Hills: Ithia, Julius M.K.: ROM: 16 [16 - **16** - **16**].

Total Specimens for 15 November 1984: 16

16 November 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1984: 1

17 November 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1984: 1

21 November 1984

South Africa: Mount Currie Nature Reserve: Crowson, T.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1984: 1

24 November 1984

Malawi: Bone's Garden, 16th Avenue: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1984: 1

25 November 1984

Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1984: 1

26 November 1984

South Africa: Manxeba windmill: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1984: 1

27 November 1984

South Africa: Culling camp: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1**] - Old Culling camp: ?: Collector Unknown: TM: 8 [8 - **8** - **9**].

Total Specimens for 27 November 1984: 9

28 November 1984

South Africa: Manxeba windmill: ?: Collector Unknown: TM: 13 [13]; Wolhuter, David A.; *et al.*: TM: 8 [8 - **21** - **21**].

Total Specimens for 28 November 1984: 21

29 November 1984

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 4 [4 - **4**] - Manxeba windmill: ?: Collector Unknown: TM: 1 [1 - **1** - **5**].

Total Specimens for 29 November 1984: 5

4 December 1984

South Africa: Skukuza lab buildings: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Total Specimens for 4 December 1984: 4

7 December 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1, DCDH: 1 [2 - **2** - **2**].

Total Specimens for 7 December 1984: 2

9 December 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1984: 1

10 December 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 2 [2 - **2** - **2**].
Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 10 December 1984: 9

11 December 1984

Malawi: Liwonde National Park: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].
Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 11 December 1984: 4

12 December 1984

Malawi: Liwonde National Park: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1984: 1

13 December 1984

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1984: 1

14 December 1984

Rwanda: Mutura: Baeten, Benny; Janssens, Luc: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 14 December 1984: 6

15 December 1984

Rwanda: Mutura: Baeten, Benny; Janssens, Luc: RMCA: 46 [46 - **46** - **46**].

Total Specimens for 15 December 1984: 46

16 December 1984

Rwanda: Mutura: Baeten, Benny; Janssens, Luc: RMCA: 30 [30 - **30** - **30**].
South Africa: Gladstone's Nose [mountain]: ?: Collector Unknown: TM: 1 [1 - **1**] - Kamberg Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 16 December 1984: 32

17 December 1984

"Africa": Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1984: 1

18 December 1984

Rwanda: Mutura: Baeten, Benny; Janssens, Luc: RMCA: 19 [19 - **19**] - Nyambumba: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1**] - Shangi: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1** - **21**].

Total Specimens for 18 December 1984: 21

19 December 1984

Malawi: Lengwe National Park: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1984: 1

20 December 1984

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 20 December 1984: 9

21 December 1984

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 21 December 1984: 6

22 December 1984

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 22 December 1984: 9

23 December 1984

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 9 [9 - **9**] - Cyili: Baeten, Benny; Janssens, Luc: RMCA: 3 [3 - **3** - **12**].

Total Specimens for 23 December 1984: 12

24 December 1984

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 6 [6 - **6**] - Cyili: Baeten, Benny; Janssens, Luc: RMCA: 53 [53 - **53** - **59**].
South Africa: Kamberg Nature Reserve: Dickson, E.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 December 1984: 60

25 December 1984

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 7 [7 - **7** - **7**].
South Africa: Lister Point: Porter, I.M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 December 1984: 8

27 December 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 2, DCDH: 2 [4 - **4** - **4**].

Total Specimens for 27 December 1984: 4

30 December 1984

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1, DCDH: 2 [3 - **3** - **3**].

Total Specimens for 30 December 1984: 3

31 December 1984

Kenya: Makindu: Ithia, Julius M.K.: ROM: 31 [31 - **31** - **31**].
Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1** - **1**].

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 20 [20 - **20** - **20**].

Total Specimens for 31 December 1984: 52

1 January 1985

"Africa": Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].
Benin: Bodjecali: van Woersem, I.: ZMA: 8 [8 - **8**] - Parakou and Malanville, road between: van Woersem, I.: ZMA: 1 [1 - **1** - **9**].
Congo (Democratic Republic of the): Unknown locality: WHO; Colyn, Marc: RMCA: 2 [2 - **2**] - Bodjoki - Bumba: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **3**].
Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1** - **1**].
Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 64 [64 - **64**] - Ruboma Ruhashya: Théoneste: RMCA: 1 [1 - **1**] - Rubona: Théoneste: RMCA: 3 [3 - **3** - **68**].
South Africa: Mount Currie Nature Reserve: Crowson, J.: TM: 1 [1 - **1** - **1**].
Tanzania: Arusha region: ?: Collector Unknown: SMF: 2 [2 - **2**] - Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **3**].
Tunisia: Matmata, near: Nobis, G.: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1985: 87

2 January 1985

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 11 [11 - **11**] - Cyili: Baeten, Benny; Janssens, Luc: RMCA: 16 [16 - **16**] - Rubona: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1** - **28**].

Total Specimens for 2 January 1985: 28

5 January 1985

Rwanda: Gafunzo Kigaga: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1**] - Shangi: Baeten, Benny; Janssens, Luc: RMCA: 34 [34 - **34**] - Shangi Schad: Baeten, Benny; Janssens, Luc: RMCA: 4 [4 - **4** - **39**].

Total Specimens for 5 January 1985: 39

6 January 1985

Rwanda: Gafunzo Kigaga: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1**] - Shangi: Baeten, Benny; Janssens, Luc: RMCA: 24 [24 - **24** - **25**].

Total Specimens for 6 January 1985: 25

7 January 1985

Rwanda: Rubona: Baeten, Benny; Janssens, Luc: RMCA: 46 [46 - **46** - **46**].

Total Specimens for 7 January 1985: 46

12 January 1985

Rwanda: Gafumba: Baeten, Benny; Janssens, Luc: RMCA: 16 [16 - **16**] - Mutura: Baeten, Benny; Janssens, Luc: RMCA: 17 [17 - **17** - **33**].

Total Specimens for 12 January 1985: 33

13 January 1985

Rwanda: Mutura: Baeten, Benny; Janssens, Luc: RMCA: 19 [19 - **19** - **19**].

Total Specimens for 13 January 1985: 19

14 January 1985

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 17 [17 - **17** - **17**].

Total Specimens for 14 January 1985: 17

15 January 1985

Rwanda: Butare: Baeten, Benny; Janssens, Luc: RMCA: 13 [13 - **13** - **13**].

Total Specimens for 15 January 1985: 13

20 January 1985

South Africa: Shingwedzi camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1985: 1

22 January 1985

Malawi: Thondwe: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1985: 1

25 January 1985

Egypt: Abu Zenima, 18 km N, 4 km from sea: Goodman, Steven M.: UMMZ: 2 [2 - **2** - **2**].
Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1985: 3

30 January 1985

Malawi: Bone's Garden, 16th Avenue: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].
South Africa: St. Lucia Lake, eastern shores: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 January 1985: 2

31 January 1985

South Africa: Anthrax camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].

Total Specimens for 31 January 1985: 4

1 February 1985

Congo (Democratic Republic of the): Boteka: Lootens, P.: RMCA: 10 [10 - **10**] - Tshakala: Colyn, Marc: RMCA: 1 [1 - **1** - **11**].
South Africa: Old Picnic Site: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **4** - **4**].

Total Specimens for 1 February 1985: 15

2 February 1985

South Africa: Culling camp: ?: Collector Unknown: TM: 9 [9]; Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **18** - **18**].

Total Specimens for 2 February 1985: 18

3 February 1985

South Africa: Fig Tree Camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **3**].
Tanzania: Pwani region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 3 February 1985: 6

4 February 1985

South Africa: Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Total Specimens for 4 February 1985: 2

5 February 1985

Malawi: Liwonde National Park: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].
Rwanda: Mugogwe: Théoneste: RMCA: 22 [22 - **22** - **22**].
South Africa: Figtree Forest: ?: Collector Unknown: TM: 1 [1 - **1**] - New Figtree Forest: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **3** - **4**].

Total Specimens for 5 February 1985: 27

6 February 1985

South Africa: Anthrax camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - Pafuri, Bridge: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **5**].

Total Specimens for 6 February 1985: 5

7 February 1985

Rwanda: Gafumba: Théoneste: RMCA: 60 [60 - **60**] - Gafumba Musuga: Théoneste: RMCA: 1 [1 - **1** - **61**].
South Africa: Manxeba windmill: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 7 February 1985: 63

10 February 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1985: 1

11 February 1985

Malawi: Luwawa dam: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].
Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 11 February 1985: 4

12 February 1985

Kenya: Makindu: Ithia, Julius M.K.: CUMV: 7 [7 - **7** - **7**].

Total Specimens for 12 February 1985: 7

13 February 1985

Kenya: Makindu: Ithia, Julius M.K.: CUMV: 2 [2 - **2** - **2**].
Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1985: 3

16 February 1985

Congo (Democratic Republic of the): Boteka: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1985: 1

17 February 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1985: 1

18 February 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 18 February 1985: 2

19 February 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 19 February 1985: 4

20 February 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1985: 1

21 February 1985

South Africa: Msinga pan: Davies, R.; Walker, P.: TM: 1 [1 - **1** - **1**].
Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1985: 2

22 February 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 22 February 1985: 2

23 February 1985

Malawi: Zomba Plateau: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1985: 1

24 February 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 24 February 1985: 3

26 February 1985

South Africa: Pilanesburg Nature Reserve, Old mine audit: Jacobsen, N.J.: TM: 1 [1 - **1** - **1**].
Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 26 February 1985: 4

28 February 1985

South Africa: Skukuza lab buildings: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1985: 1

1 March 1985

Cameroon: Hippopotamus Campside: Van der Zon, A.P.M.: ZMA: 2 [2 - **2** - **2**].
Rwanda: Butare: Théoneste: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 1 March 1985: 10

2 March 1985

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].

Total Specimens for 2 March 1985: 2

3 March 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 3 March 1985: 2

9 March 1985

South Africa: Giants Castle Game Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1985: 1

11 March 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1985: 1

14 March 1985

South Africa: Barkly East: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 14 March 1985: 3

15 March 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1985: 1

16 March 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1985: 1

17 March 1985

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1985: 1

18 March 1985

Kenya: Makindu: Ithia, Julius M.K.: CUMV: 10 [10 - **10** - **10**].
Malawi: Zomba Plateau: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1985: 11

19 March 1985

Kenya: Makindu: Ithia, Julius M.K.: CUMV: 8 [8 - **8** - **8**].

Total Specimens for 19 March 1985: 8

20 March 1985

Kenya: Makindu: Ithia, Julius M.K.: CUMV: 10 [10 - **10** - **10**].
Malawi: Trout Ponds: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 2 [2 - **2**] - Zomba Plateau: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 3 [3 - **3** - **5**].

Total Specimens for 20 March 1985: 15

21 March 1985

Malawi: Trout Ponds: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1**] - Zomba Plateau: ?: Collector Unknown: BMNH: 1 [1]; Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **3** - **4**].

Total Specimens for 21 March 1985: 4

24 March 1985

Malawi: Zomba Plateau: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].

Total Specimens for 24 March 1985: 2

26 March 1985

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].
Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 6 [6 - **6** - **6**].

Total Specimens for 26 March 1985: 7

31 March 1985

Congo (Democratic Republic of the): Boteka: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1985: 1

1 April 1985

Egypt: Bir Abu Saafa: Goodman, Steven M.: UMMZ: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1985: 1

3 April 1985

South Africa: Jozini: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1985: 1

7 April 1985

Malawi: Liwonde National Park: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1985: 1

8 April 1985

Rwanda: Cyili: Théoneste: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 8 April 1985: 10

10 April 1985

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 6 [6 - **6**] - Taung: James, D.K.: ZMA: 3 [3 - **3** - **9**].

Total Specimens for 10 April 1985: 9

11 April 1985

South Africa: Levuvhu river: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - New Figtree Forest: ?: Collector Unknown: TM: 7 [7]; Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **13** - **14**].

Total Specimens for 11 April 1985: 14

12 April 1985

South Africa: Old Picnic Site: ?: Collector Unknown: TM: 7 [7]; Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **15** - **15**].

Total Specimens for 12 April 1985: 15

13 April 1985

Rwanda: Cyili: Théoneste: RMCA: 9 [9 - **9** - **9**].
South Africa: Buxton Mine: James, D.K.: ZMA: 1 [1 - **1**] - Culling camp: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **5**] - Norlim mine [=Buxton mine]: James, D.K.: ZMA: 3 [3 - **3**] - Old Picnic Site: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **14**].

Total Specimens for 13 April 1985: 23

14 April 1985

South Africa: Manxeba windmill: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1985: 1

15 April 1985

South Africa: Manxeba windmill: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Tanzania: Moringside: Andulege; Mdumu: SMF: 1 [1 - **1**] - Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 15 April 1985: 3

16 April 1985

South Africa: Figtree forest: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1985: 1

17 April 1985

South Africa: Anthrax camp: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 17 April 1985: 3

18 April 1985

Malawi: Kasungu-NP: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1** - **1**].
South Africa: Barkly East: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1985: 2

19 April 1985

Morocco: Aoufouss: Arlettaz, Raphaël: MHNG: 1 [1 - **1** - **1**].
South Africa: Taung: James, D.K.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 19 April 1985: 4

20 April 1985

Malawi: Kasungu-NP: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1985: 1

21 April 1985

Malawi: Kasungu-NP: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].
Rwanda: Cyili: Théoneste: RMCA: 6 [6 - **6**] - Cyili Ntyano: Théoneste: RMCA: 1 [1 - **1** - **7**].
Tanzania: Mbeya region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 21 April 1985: 11

23 April 1985

South Africa: Taung: James, D.K.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1985: 1

24 April 1985

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 April 1985: 1

28 April 1985

Malawi: Chelinda: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1, DCDH: 2 [3 - **3** - **3**].

Total Specimens for 28 April 1985: 3

29 April 1985

Malawi: Chelinda: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1, DCDH: 1 [2 - **2**] - Nyika-NP: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **3**].

Total Specimens for 29 April 1985: 3

2 May 1985

Rwanda: Cyili: Théoneste: RMCA: 11 [11 - **11**] - Cyili Ntyano: Théoneste: RMCA: 1 [1 - **1** - **12**].
South Africa: New Figtree Forest: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1985: 13

6 May 1985

South Africa: Taung: James, D.K.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1985: 1

7 May 1985

Malawi: Chelinda: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1985: 1

10 May 1985

South Africa: Buxton Mine: James, D.K.: ZMA: 1 [1 - **1**] - Norlim mine [=Buxton mine]: James, D.K.: ZMA: 11 [11 - **11** - **12**].

Total Specimens for 10 May 1985: 12

11 May 1985

Malawi: Luwawa dam: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 6 [6 - **6**] - Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **7**].

Total Specimens for 11 May 1985: 7

12 May 1985

Malawi: Luwawa dam: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1985: 1

16 May 1985

Malawi: Bone's Garden, 16th Avenue: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1985: 1

23 May 1985

South Africa: Taung: James, D.K.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1985: 1

1 June 1985

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].
South Africa: Anthrax camp: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 1 June 1985: 4

2 June 1985

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 8 [8 - **8**] - Weenen Nature Reserve: Mathias, L.: TM: 1 [1 - **1** - **9**].

Total Specimens for 2 June 1985: 9

3 June 1985

South Africa: Culling camp: Wolhuter, David A.: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1985: 1

4 June 1985

South Africa: Maditobe Witsand Dam: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1**] - Witsand Dam: ?: Collector Unknown: TM: 8 [8 - **8** - **9**].

Total Specimens for 4 June 1985: 9

5 June 1985

Malawi: Liwonde National Park: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
South Africa: Manxeba windmill: ?: Collector Unknown: TM: 8 [8 - **8** - **8**].

Total Specimens for 5 June 1985: 9

10 June 1985

Kenya: Kibwezi: Ithia, Julius M.K.: ROM: 41 [41 - **41** - **41**].

Total Specimens for 10 June 1985: 41

11 June 1985

Kenya: Kibwezi: Ithia, Julius M.K.: ROM: 36 [36 - **36** - **36**].

Total Specimens for 11 June 1985: 36

13 June 1985

South Africa: Elliot: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 13 June 1985: 2

16 June 1985

South Africa: Northdene: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1985: 1

21 June 1985

Burkina Faso: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 21 June 1985: 2

26 June 1985

South Africa: Shannon: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1985: 1

1 July 1985

Congo (Democratic Republic of the): Kisangani: Colyn, Marc: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 July 1985: 2

5 July 1985

South Africa: Thomeng: James, D.K.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 5 July 1985: 1

16 July 1985

South Africa: Potchefstroom: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1985: 1

6 August 1985

Kenya: Muumandu: Ithia, Julius M.K.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1985: 1

16 August 1985

Kenya: Kamuuani: Ithia, Julius M.K.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1985: 1

24 August 1985

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 1 [1 - **1**] - Fig Tree Forest: ?: Collector Unknown: TM: 3 [3 - **3**] - Figtree camp: Wolhuter, David A.: TM: 1 [1]; Wolhuter, David A.; *et al.*: TM: 3 [3 - **4**] - Figtree Forest: ?: Collector Unknown: TM: 1 [1 - **1**] - Xirimantanga: Braack, L.E.O.; Espie, Ian W.: KNP: 1 [1 - **1** - **10**].
Tanzania: Kibarra: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 August 1985: 11

25 August 1985

South Africa: Old Picnic Site: ?: Collector Unknown: TM: 3 [3]; Wolhuter, David A.; *et al.*: TM: 1 [1 - **4**] - Pigeon Valley: Gordon: TM: 1 [1 - **1** - **5**].
Tanzania: Kibarra: Goudswaard, P.C. [Kees]: ZMA: 7 [7 - **7** - **7**].

Total Specimens for 25 August 1985: 12

26 August 1985

Tanzania: Kibarra: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1985: 1

28 August 1985

Côte d'Ivoire: Niakaramandougou: Teugels, Guy G.: RMCA: 1 [1 - **1** - **1**].
South Africa: Maditobe Witsand Dam: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].
Tanzania: Mazumbai Forest Reserve: Howell, Kim M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 August 1985: 7

29 August 1985

South Africa: Manxeba windmill: ?: Collector Unknown: TM: 1 [1]; Wolhuter, David A.: TM: 2 [2]; Wolhuter, David A.; *et al.*: TM: 4 [4 - **7** - **7**].
Tanzania: Mazumbai Forest Reserve: ?: Collector Unknown: SMF: 1 [1]; Grossmann, H.: SMF: 1 [1 - **2** - **2**].

Total Specimens for 29 August 1985: 9

30 August 1985

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 1 [1 - **1**] - Figtree camp: ?: Collector Unknown: TM: 2 [2]; Wolhuter, David A.; *et al.*: TM: 1 [1 - **3** - **4**].

Total Specimens for 30 August 1985: 4

1 September 1985

Congo (Democratic Republic of the): Kisangani: Colyn, Marc: RMCA: 2 [2 - **2**] - Tshopo: Colyn, Marc: RMCA: 1 [1 - **1** - **3**].
Tanzania: Amani: McInnery: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1985: 4

16 September 1985

Congo (Democratic Republic of the): Lubutu: Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1985: 1

17 September 1985

Tanzania: Uluguru mountains: Telford, Steve: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1985: 1

28 September 1985

Comoros: Moroni: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 28 September 1985: 3

29 September 1985

Comoros: Moroni: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1985: 1

30 September 1985

Comoros: Moroni: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 1 [1 - **1** - **1**].
Kenya: Hells Gate Canyon: Schlitter, Duane Albert: CM: 1, MCZ: 1 [2]; Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **3** - **3**].

Total Specimens for 30 September 1985: 4

1 October 1985

Congo (Democratic Republic of the): Kisangani: Ifuta, Ndey B.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 1 October 1985: 4

3 October 1985

Kenya: Hells Gate Canyon: Schlitter, Duane Albert, *et al.*: CM: 2 [2 - **2**] - Ndabibi cave: Nelson, Kimberlyn (Kim): MCZ: 5 [5]; Schlitter, Duane Albert: MCZ: 2 [2 - **7** - **9**].

Total Specimens for 3 October 1985: 9

5 October 1985

Kenya: Lion Hill cave: Nelson, Kimberlyn (Kim): MCZ: 6 [6 - **6**] - Nakuru Prison cave: Nelson, Kimberlyn (Kim): MCZ: 1 [1 - **1** - **7**].

Total Specimens for 5 October 1985: 7

6 October 1985

Kenya: Diatomite mine: Schlitter, Duane Albert: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 6 October 1985: 2

7 October 1985

Kenya: Nakuru, 12 km S, 4 km E: Nelson, Kimberlyn (Kim): CM: 2, MCZ: 2 [4]; Schlitter, Duane Albert, *et al.*: CM: 2 [2 - **6** - **6**].

Total Specimens for 7 October 1985: 6

8 October 1985

Kenya: Njoro River: Nelson, Kimberlyn (Kim): CM: 1, MCZ: 3 [4 - **4** - **4**].

Total Specimens for 8 October 1985: 4

9 October 1985

South Africa: Weenen Nature Reserve: Bourquin, O.: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1985: 1

10 October 1985

Congo (Democratic Republic of the): Boteka: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1985: 1

12 October 1985

Kenya: Mwele Forest: Nelson, Kimberlyn (Kim): MCZ: 2 [2 - **2** - **2**].

Total Specimens for 12 October 1985: 2

13 October 1985

Kenya: Makandara picnic site: Nelson, Kimberlyn (Kim): MCZ: 8 [8 - **8** - **8**].

Total Specimens for 13 October 1985: 8

14 October 1985

Congo (Democratic Republic of the): Boteka: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
Kenya: Makandara picnic site: Schlitter, Duane Albert: MCZ: 2 [2]; Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **3** - **3**].

Total Specimens for 14 October 1985: 4

15 October 1985

Comoros: Miringoni: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 2 [2 - **2** - **2**].
Kenya: Makandara picnic site: Nelson, Kimberlyn (Kim): AMNH: 1, MCZ: 1 [2]; Schlitter, Duane Albert, *et al.*: CM: 4 [4 - **6**] - Shimba Hills Nature Reserve: Nelson, Kimberlyn (Kim): MCZ: 3 [3 - **3** - **9**].

Total Specimens for 15 October 1985: 11

16 October 1985

Comoros: Miringoni: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 2 [2 - **2**] - St Antoine: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 2 [2 - **2** - **4**].
Kenya: Makandara picnic site: Nelson, Kimberlyn (Kim): MCZ: 2 [2 - **2**] - Shimba Hills Nature Reserve: Nelson, Kimberlyn (Kim): MCZ: 1 [1]; Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **2** - **4**].

Total Specimens for 16 October 1985: 8

17 October 1985

Comoros: St Antoine: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 8 [8 - **8** - **8**].
Kenya: Tiwi, 1 km N: Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **1**] - Ukunda, 1 km S, 0.5 km E: Nelson, Kimberlyn (Kim): MCZ: 3 [3 - **3**] - Ukunda, 3 km E: Nelson, Kimberlyn (Kim): MCZ: 8 [8 - **8**] - Ukunda, 3.5 km S, 1 km E: Schlitter, Duane Albert: MCZ: 1 [1 - **1** - **13**].

Total Specimens for 17 October 1985: 21

18 October 1985

Comoros: St Antoine: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 3 [3 - **3** - **3**].
Kenya: Moana Marine Station: Nelson, Kimberlyn (Kim): MCZ: 15 [15]; Schlitter, Duane Albert: CM: 3 [3 - **18**] - Ngombeni [caves]: Schlitter, Duane Albert: MCZ: 2 [2 - **2** - **20**].

Total Specimens for 18 October 1985: 23

19 October 1985

Kenya: Tiwi, 1 km N: Nelson, Kimberlyn (Kim): MCZ: 10 [10]; Schlitter, Duane Albert, *et al.*: CM: 2 [2 - **12** - **12**].

Total Specimens for 19 October 1985: 12

20 October 1985

Congo (Democratic Republic of the): Boteka: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1985: 1

23 October 1985

Kenya: Bushwacker's Safari Camp: Schlitter, Duane Albert, *et al.*: CM: 2 [2 - **2** - **2**].

Total Specimens for 23 October 1985: 2

24 October 1985

Kenya: Bushwacker's Safari Camp: Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1985: 1

25 October 1985

Congo (Democratic Republic of the): Boteka: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
Kenya: Bushwacker's Safari Camp: Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **1** - **1**].

Total Specimens for 25 October 1985: 2

27 October 1985

Kenya: Bushwacker's Safari Camp: Schlitter, Duane Albert, *et al.*: CM: 5 [5 - **5** - **5**].

Total Specimens for 27 October 1985: 5

28 October 1985

South Africa: Ladybrand Town: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1985: 1

3 November 1985

Namibia: Farm Zwartmodder 101: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

South Africa: Anthrax camp: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1985: 2

4 November 1985

Kenya: Kakamega, 6 km S, 16 km E: Schlitter, Duane Albert: MCZ: 2 [2 - **2** - **2**].

Total Specimens for 4 November 1985: 2

5 November 1985

Kenya: Kakamega forest station: Schlitter, Duane Albert: MCZ: 2 [2]; Schlitter, Duane Albert, *et al.*: CM: 3 [3 - **5** - **5**].

Total Specimens for 5 November 1985: 5

6 November 1985

Kenya: Kakamega forest station: Schlitter, Duane Albert: MCZ: 1 [1]; Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **2** - **2**].
South Africa: Gwalali Army camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1985: 3

8 November 1985

Kenya: Ikuywa River Bridge: Schlitter, Duane Albert: CM: 2 [2]; Schlitter, Duane Albert, *et al.*: CM: 2 [2 - **4** - **4**].
South Africa: Old Picnic Site: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1985: 5

10 November 1985

Liberia: Bomi Wood Concession: Voros, Andrew S.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 November 1985: 2

11 November 1985

South Africa: Elliot: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1985: 1

21 November 1985

South Africa: Overport: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1985: 1

23 November 1985

South Africa: Pafuri area, Mockford's Garden: ?: Collector Unknown: TM: 2 [2]; Penzhorn, B.L.; Kilian, J.A.: TM: 1 [1 - **3** - **3**].

Total Specimens for 23 November 1985: 3

24 November 1985

South Africa: Pafuri: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **5** - **5**].

Total Specimens for 24 November 1985: 5

26 November 1985

Rwanda: Kibungo: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 26 November 1985: 5

27 November 1985

South Africa: Anthrax camp: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1985: 1

30 November 1985

Rwanda: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Ruhengeri: ?: Collector Unknown: SMF: 3 [3 - **3** - **4**].

Total Specimens for 30 November 1985: 4

1 December 1985

Liberia: Bomi Wood Concession: Voros, Andrew S.: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 1 December 1985: 5

2 December 1985

Namibia: Windhoek Hoerskloof: Coetzee, P.W.: SMW: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1985: 1

3 December 1985

Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].
South Africa: Skukuza lab buildings: ?: Collector Unknown: TM: 13 [13 - **13** - **13**].

Total Specimens for 3 December 1985: 14

11 December 1985

Liberia: Bomi Wood Concession: Voros, Andrew S.: AMNH: 1 [1 - **1**] - Bomi Wood Concession, near: Voros, Andrew S.: AMNH: 4 [4 - **4** - **5**].

Total Specimens for 11 December 1985: 5

12 December 1985

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 3 [3 - **3** - **3**].

Total Specimens for 12 December 1985: 3

18 December 1985

South Africa: Skukuza Town: ?: Collector Unknown: TM: 14 [14 - **14** - **14**].
Zambia: Farm Xanadu: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1985: 15

1 January 1986

Congo (Democratic Republic of the): Bodjoki - Bumba: WHO; Colyn, Marc: RMCA: 1 [1 - **1**] - Bombanga - Bumba: WHO; Colyn, Marc: RMCA: 1 [1 - **1**] - Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **3**].
Zimbabwe: South Rhodesia: Cuisance, Dominique: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1986: 5

4 January 1986

South Africa: St. Lucia Village: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1986: 1

13 January 1986

South Africa: Barkly East: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 13 January 1986: 1

15 January 1986

Malawi: Lengwe National Park: Chimimba, Christian Timonthy: WAM: 7 [7 - **7**] - Lumenda: Chimimba, Christian Timonthy: WAM: 6 [6 - **6**] - Lumenda Village: Chimimba, Christian Timonthy: WAM: 1 [1 - **1**] - Sucoma: Chimimba, Christian Timonthy: WAM: 4 [4 - **4** - **18**].

Total Specimens for 15 January 1986: 18

16 January 1986

Malawi: Camp Chikwawa: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1986: 1

19 January 1986

South Africa: Weston Agricultural College: Bourquin, O.: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1986: 1

21 January 1986

Zimbabwe: The Homestead: Cotterill, F.P.D. [=Woody]: TM: 2 [2 - **2** - **2**].

Total Specimens for 21 January 1986: 2

31 January 1986

Liberia: Boni Hills logging concession: Voros, Andrew S.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 31 January 1986: 2

4 February 1986

Cameroon: Mayo Vaimba river: Van der Zon, A.P.M.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1986: 1

7 February 1986

Kenya: Kamuuani: Ithia, Julius M.K.: HZM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1986: 1

8 February 1986

South Africa: Westmead: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1986: 1

13 February 1986

South Africa: Gloria: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 13 February 1986: 2

18 February 1986

South Africa: Albert Falls Public Resort: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1986: 1

19 February 1986

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 5 [5 - **5** - **5**].

Total Specimens for 19 February 1986: 5

20 February 1986

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 February 1986: 2

1 March 1986

Benin: Bodjecali: van Woersem, I.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1986: 1

4 March 1986

South Africa: Cederberg, Algeria State Forest, campsite: Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **9** - **9**].

Total Specimens for 4 March 1986: 9

6 March 1986

South Africa: Cederberg, Algeria State Forest, campsite: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].

Total Specimens for 6 March 1986: 4

7 March 1986

South Africa: Cederberg, Algeria State Forest, campsite: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8** - **8**].

Total Specimens for 7 March 1986: 8

10 March 1986

South Africa: Scottsburgh Golf Course: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1986: 1

11 March 1986

Tanzania: Tanga region: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 11 March 1986: 5

13 March 1986

South Africa: Dordrecht: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 13 March 1986: 3

1 April 1986

Congo (Democratic Republic of the): Kisangani: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].
South Africa: Masinda Camp: Astrup, M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1986: 3

2 April 1986

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 April 1986: 2

8 April 1986

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].
South Africa: Jan Smit Steel Works, near: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1986: 2

15 April 1986

Tanzania: Dar-Es-Salaam region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1986: 1

16 April 1986

Tanzania: Mikumi National Park, H.Q.: Howell, Kim M.: SMF: 1 [1 - **1**] - Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 16 April 1986: 2

25 April 1986

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 17 [17 - **17** - **17**].

Total Specimens for 25 April 1986: 17

4 May 1986

South Africa: Levuvhu River, opposite Shilawee stream: Stuart, C.T.: TM: 2 [2 - **2** - **2**].

Total Specimens for 4 May 1986: 2

6 May 1986

South Africa: Fig Tree Camp: Rautenbach, Ignatius Lourens [=Naas]: CM: 2 [2 - **2** - **2**].

Total Specimens for 6 May 1986: 2

7 May 1986

South Africa: Fig Tree Camp: Rautenbach, Ignatius Lourens [=Naas]: CM: 4 [4 - **4** - **4**].

Total Specimens for 7 May 1986: 4

8 May 1986

South Africa: Maditobepan: Rautenbach, Ignatius Lourens [=Naas]: CM: 11 [11 - **11** - **11**].

Total Specimens for 8 May 1986: 11

9 May 1986

South Africa: Maditobe Pan [=Maditobepan]: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - Old Picnic Site: Rautenbach, Ignatius Lourens [=Naas]: CM: 1 [1 - **1** - **5**].

Total Specimens for 9 May 1986: 5

10 May 1986

Tanzania: Arusha region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1986: 1

11 May 1986

South Africa: Pafuri area, Mockford's Garden: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **4** - **4**].
Tanzania: Lake Manyara National Park: Howell, Kim M.: SMF: 1 [1]; Howell, Kim M.; Msuya, C.A.: SMF: 1 [1 - **2**] - Manyara, Lake: Howell, Kim M.: SMF: 1 [1 - **1** - **3**].

Total Specimens for 11 May 1986: 7

12 May 1986

South Africa: Hazelmere Dam: Roberts: TM: 1 [1 - **1** - **1**].
Tanzania: Lake Manyara National Park: Howell, Kim M.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 12 May 1986: 3

22 May 1986

Congo (Democratic Republic of the): Kisangani: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - Masako: Ifuta, Ndey B.: RMCA: 5 [5 - **5** - **6**].

Total Specimens for 22 May 1986: 6

1 June 1986

Benin: Garou: van Woersem, I.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1986: 1

2 June 1986

Morocco: Frmane cave: Mateo, J.A.; Parreño, F.; EBD Expedition, The: EBD: 1 [1 - **1** - **1**].

Total Specimens for 2 June 1986: 1

5 June 1986

Morocco: Chaouèn: Carballo, Celso; Peña, Jesus; Moya: EBD: 2 [2 - **2**] - Chechaouèn: Carballo, Celso; Peña, Jesus; Moya: EBD: 2 [2 - **2** - **4**].

Total Specimens for 5 June 1986: 4

7 June 1986

Algeria: M'Sila forest: Mateo, J.A.; Parreño, F.; EBD Expedition, The: EBD: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1986: 1

15 June 1986

Algeria: Aokas cave: Mateo, J.A.; Parreño, F.; EBD Expedition, The: EBD: 26 [26 - **26** - **26**].
South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: Haagner, G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1986: 27

17 June 1986

South Africa: Gazankulu, Manyeleti, Hermitagie Camp: Haagner, G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1986: 1

24 June 1986

Congo (Democratic Republic of the): Yayama: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 June 1986: 1

1 July 1986

Malawi: Unknown locality: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 1 July 1986: 2

5 July 1986

South Africa: Huhea cave: University Venda Staff, The: TM: 3 [3 - **3** - **3**].

Total Specimens for 5 July 1986: 3

8 July 1986

South Africa: Kalahari Gemsbok-NP, Kameelsleep: Brain, C.K.: TM: 2 [2 - **2** - **2**].

Total Specimens for 8 July 1986: 2

13 July 1986

South Africa: Spioenkop Dam, Mabamnyama Staff House: Chinner, M.J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 July 1986: 1

16 July 1986

Morocco: Ain Chkef, Junto camping: Manzaranes, A.: EBD: 65 [65 - **65** - **65**].

Total Specimens for 16 July 1986: 65

20 July 1986

Congo (Democratic Republic of the): Lodja: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **1**].
South Africa: Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Figtree forest: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - St. Lucia Village: McLean, S.: TM: 1 [1 - **1** - **4**].

Total Specimens for 20 July 1986: 5

22 July 1986

Morocco: Ouazarzate: Manzaranes, A.: EBD: 1 [1 - **1**] - Ourika, cascade: Manzaranes, A.: EBD: 2 [2 - **2** - **3**].

South Africa: Bellair: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Pafuri area, Mockford's Garden: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **3**].

Total Specimens for 22 July 1986: 6

24 July 1986

South Africa: New Figtree Forest: Rautenbach, Ignatius Lourens [=Naas]: LACM: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1986: 1

27 July 1986

Morocco: Laachaich: Peña, Jesus: EBD: 6 [6 - **6** - **6**].

Total Specimens for 27 July 1986: 6

28 July 1986

Tanzania: Mangola: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].
Zimbabwe: Kudzwé [dam]: Cuisance, Dominique: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1986: 2

31 July 1986

South Africa: Sterkstroom: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].
Zimbabwe: Kudzwé [dam]: Cuisance, Dominique: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 31 July 1986: 4

1 August 1986

Comoros: Mutsamudu: Veerkamp: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1986: 1

2 August 1986

Tanzania: Arusha region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1986: 1

4 August 1986

Tanzania: Dar-Es-Salaam region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1986: 1

6 August 1986

South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Dar es Salaam: Mduma: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1986: 2

7 August 1986

Congo (Democratic Republic of the): Bombanga - Bumba: WHO; Colyn, Marc: RMCA: 1 [1 - **1**] - Mosenge: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 7 August 1986: 2

10 August 1986

Morocco: Oued Siglone: Peña, Jesus; Jiménez, Antonio: EBD: 4 [4 - **4** - **4**].
South Africa: Grahamstown: Wirminghaus, J. Olaf: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1986: 5

11 August 1986

Congo (Democratic Republic of the): Mosenge: WHO; Colyn, Marc: RMCA: 2 [2 - **2** - **2**].
Morocco: Boudman: Peña, Jesus; Jiménez, Antonio: EBD: 1 [1 - **1** - **1**].

Zimbabwe: Kudzwe River, near: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1986: 4

12 August 1986

Morocco: Duea Seglaon: Peña, Jesus; Jiménez, Antonio: EBD: 2 [2 - **2** - **2**].

Total Specimens for 12 August 1986: 2

13 August 1986

Morocco: Duea Seglaon: Peña, Jesus; Jiménez, Antonio: EBD: 2 [2 - **2** - **2**].

Total Specimens for 13 August 1986: 2

14 August 1986

Congo (Democratic Republic of the): Mosenge: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1986: 1

15 August 1986

Congo (Democratic Republic of the): Mosenge: WHO; Colyn, Marc: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 15 August 1986: 5

17 August 1986

South Africa: Vredefort: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1986: 1

22 August 1986

Tanzania: Kizara logging site: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1986: 1

4 September 1986

South Africa: Elim hospital: Stuart, C.T.: TM: 1 [1 - **1**] - Jamestown: ?: Collector Unknown: NMB: 1 [1 - **1** - **2**].

Total Specimens for 4 September 1986: 2

12 September 1986

South Africa: Vredefort: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 12 September 1986: 1

17 September 1986

South Africa: Vredefort: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 17 September 1986: 2

1 October 1986

Benin: Malanville: van Woersem, I.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 1 October 1986: 3

2 October 1986

South Africa: Aliwal North: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 2 October 1986: 3

12 October 1986

South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1986: 1

16 October 1986

South Africa: Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].

Total Specimens for 16 October 1986: 3

19 October 1986

South Africa: Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Pafuri, Research camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **3**].

Total Specimens for 19 October 1986: 3

20 October 1986

South Africa: Gwalali: ?: Collector Unknown: TM: 2 [2 - **2**] - Gwalali Army camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - New Figtree Forest: ?: Collector Unknown: TM: 1 [1 - **1** - **5**].

Total Specimens for 20 October 1986: 5

21 October 1986

South Africa: Gwalali: ?: Collector Unknown: TM: 2 [2 - **2**] - Gwalali Army camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Pafuri, upstream site: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **5**].

Total Specimens for 21 October 1986: 5

1 November 1986

Benin: Parakou: van Woersem, I.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1986: 1

4 November 1986

Cameroon: Mayo Vaimba river: Van der Zon, A.P.M.: ZMA: 4 [4 - **4** - **4**].
South Africa: Elim Hospital: ?: Collector Unknown: TM: 1 [1]; Stuart, C.T.: TM: 1 [1 - **2** - **2**].

Total Specimens for 4 November 1986: 6

18 November 1986

South Africa: Winburg [Exelsior]: ?: Collector Unknown: NMB: 13 [13 - **13** - **13**].

Total Specimens for 18 November 1986: 13

1 December 1986

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1986: 1

3 December 1986

Egypt: Maidum pyramids: Handwerk, Johannes: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1986: 1

4 December 1986

South Africa: Dordrecht: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 4 December 1986: 3

10 December 1986

South Africa: Lindley: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1986: 1

14 December 1986

South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: Haagner, G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1986: 1

18 December 1986

South Africa: N2 crosses Umhlanga River: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1986: 1

1 January 1987

Congo (Democratic Republic of the): Imbonga: Lootens, P.: RMCA: 2 [2 - **2**] - Wagenia: De Vos, Luc; Kimbembi; Vandelanoote, Alain: RMCA: 1 [1 - **1** - **3**].
Sudan: Khartoum state: ?: Collector Unknown: SMF: 6 [6 - **6**] - Sennar state: ?: Collector Unknown: SMF: 9 [9 - **9** - **15**].

Total Specimens for 1 January 1987: 18

15 January 1987

South Africa: Maclear: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 15 January 1987: 2

21 January 1987

South Africa: Lions River: Bourquin, O.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1987: 1

25 January 1987

South Africa: Geelbek: Joubert, P.: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1987: 1

9 February 1987

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 February 1987: 2

10 February 1987

Cameroon: Somalomo: Van der Zon, A.P.M.: ZMA: 6 [6 - **6** - **6**].
Kenya: Unknown locality: ?: Collector Unknown: RMNH: 14 [14 - **14** - **14**].
Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1987: 21

11 February 1987

Cameroon: Somalomo: Van der Zon, A.P.M.: ZMA: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Thysville: ?: Collector Unknown: RBINS: 37 [37 - **37** - **37**].
Kenya: Unknown locality: ?: Collector Unknown: RMNH: 10 [10 - **10** - **10**].
Tanzania: Nyegezi: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1987: 50

12 February 1987

Cameroon: Somalomo: Van der Zon, A.P.M.: ZMA: 5 [5 - **5** - **5**].

Total Specimens for 12 February 1987: 5

13 February 1987

Cameroon: Ma'an: Juste, Javier; Castelo, Ramon: EBD: 13 [13 - **13** - **13**].

Total Specimens for 13 February 1987: 13

14 February 1987

South Africa: Gazankulu, Manyeleti Game Reserve: Haagner, G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1987: 1

15 February 1987

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 3 [3 - **3** - **3**].

Total Specimens for 15 February 1987: 3

18 February 1987

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 1 [1 - **1**] - Maclear: ?: Collector Unknown: NMB: 6 [6 - **6** - **7**].
Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1987: 8

19 February 1987

South Africa: Maclear: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1987: 1

26 February 1987

South Africa: St. Lucia Crocodile centre: Buckle, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1987: 1

1 March 1987

Benin: Garou: van Woersem, I.: ZMA: 5 [5 - **5** - **5**].

Total Specimens for 1 March 1987: 5

2 March 1987

Malawi: Balaka, 20 km N: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 2 March 1987: 3

10 March 1987

South Africa: Pilanesberg-NP: Grant, K.: TM: 2 [2 - **2** - **2**].

Total Specimens for 10 March 1987: 2

11 March 1987

Benin: Garou: van Woersem, I.: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 11 March 1987: 4

13 March 1987

Somalia: Bender Geoid: Small, J.; Small, G.: USNM: 7 [7 - **7** - **7**].

Total Specimens for 13 March 1987: 7

15 March 1987

Congo (Democratic Republic of the): Matadi: Ntotoji: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1987: 1

16 March 1987

Congo (Democratic Republic of the): Matadi: Ntotoji: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 16 March 1987: 3

18 March 1987

South Africa: New Muckleneuk: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1987: 1

19 March 1987

Cameroon: Lolabé: Van der Zon, A.P.M.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 19 March 1987: 2

22 March 1987

Tanzania: Mwanza: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1987: 1

24 March 1987

Tanzania: Ngwazi Estate: Lovett, J.C.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1987: 1

25 March 1987

South Africa: Maclear: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 25 March 1987: 2

26 March 1987

South Africa: Maclear: ?: Collector Unknown: NMB: 6 [6 - **6** - **6**].

Total Specimens for 26 March 1987: 6

1 April 1987

Congo (Democratic Republic of the): Kinshasa: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **1**].
South Africa: Charter's Creek: ?: Collector Unknown: TM: 1 [1 - **1**] - St. Lucia Estuary: McLean, S.: TM: 1 [1 - **1** - **2**].

Total Specimens for 1 April 1987: 3

4 April 1987

Tanzania: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 4 April 1987: 2

14 April 1987

South Africa: Zastron: ?: Collector Unknown: NMB: 42 [42 - **42** - **42**].

Total Specimens for 14 April 1987: 42

16 April 1987

Benin: Angaradébou: van Woersem, I.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 16 April 1987: 2

19 April 1987

South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: Haagner, G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1987: 1

21 April 1987

Benin: Bodjécali: van Woersem, I.: ZMA: 1 [1 - **1** - **1**].
South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: Haagner, G.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1987: 2

26 April 1987

South Africa: Maclear: ?: Collector Unknown: NMB: 1 [1 - **1**] - Ngome Forest Reserve: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **3**].

Total Specimens for 26 April 1987: 3

28 April 1987

South Africa: Ngome Forest Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1987: 1

29 April 1987

South Africa: Ngome Forest Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1987: 1

30 April 1987

South Africa: Ngome Forest Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1987: 1

3 May 1987

Morocco: Merzouga dunes: Mateo, J.A.; Expedition 4/87, The: EBD: 9 [9 - **9** - **9**].

Total Specimens for 3 May 1987: 9

4 May 1987

Morocco: Merzouga dunes: Mateo, J.A.; Expedition 4/87, The: EBD: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1987: 1

8 May 1987

South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1987: 1

11 May 1987

Morocco: Jebel Tisouka: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 6 [6 - **6** - **6**].

Total Specimens for 11 May 1987: 6

12 May 1987

Morocco: Puente Fomento: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 6 [6 - **6** - **6**].

Total Specimens for 12 May 1987: 6

13 May 1987

Morocco: Oued Laou, near: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1987: 1

14 May 1987

Morocco: Tétouan, cave 6 km E: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 24 [24 - **24** - **24**].

Total Specimens for 14 May 1987: 24

15 May 1987

Morocco: Moulay Abdeslam, 5 km W: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 3 [3 - **3**] - Tétouan, cave 6 km E: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 1 [1 - **1** - **4**].

Total Specimens for 15 May 1987: 4

16 May 1987

Morocco: Moulay Abdeslam, 5 km W: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 20 [20 - **20** - **20**].

Total Specimens for 16 May 1987: 20

17 May 1987

Morocco: Moulay Abdeslam, 5 km W: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 5 [5 - **5** - **5**].

Total Specimens for 17 May 1987: 5

20 May 1987

Gabon: Batouala: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Kenya: Mount Suswa: Walen, A.: ZMA: 1 [1 - **1**] - Mount Suswa cave: Walen, A.: ZMA: 2 [2 - **2** - **3**].
South Africa: Ficksburg: ?: Collector Unknown: NMB: 8 [8 - **8** - **8**].

Total Specimens for 20 May 1987: 12

1 June 1987

Angola: Otjipomenima: Van de Kellen, P.J.: RMNH: 1 [1 - **1** - **1**].
South Africa: Farm Katrina: Griesel, W.J.H.J.: TM: 1 [1 - **1** - **1**].
Zimbabwe: Victoria Falls: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1987: 3

13 June 1987

Malawi: Zomba: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1987: 1

14 June 1987

Morocco: Bab Bou Idir: De la Riva, I.; Expedition 8/87, The: EBD: 3 [3 - **3** - **3**].

Total Specimens for 14 June 1987: 3

16 June 1987

Malawi: Zomba: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
Morocco: Camel cave, valley: De la Riva, I.; Expedition 8/87, The: EBD: 48 [48 - **48** - **48**].
South Africa: Mpila Trails Store: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1987: 50

17 June 1987

Morocco: Camel cave, valley: De la Riva, I.; Expedition 8/87, The: EBD: 1 [1 - **1** - **1**].

Total Specimens for 17 June 1987: 1

26 June 1987

South Africa: Hilton: Porter, R.N.: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1987: 1

1 July 1987

Canary Islands (Spain): Laurisilva Forest: Spelbrink, C.; Koch, U.: ZMA: 1 [1 - **1** - **1**].
Morocco: Rabat: Shillcock, N.H.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 1 July 1987: 3

3 July 1987

Tanzania: Rondo Flat [Forest Reserve]: Verheyen, Walter N.; Leirs, Herwig: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1987: 1

4 July 1987

South Africa: Pafuri area: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **1**].
Tanzania: Kagera region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1987: 2

5 July 1987

Tanzania: Kagera region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Mnara: Verheyen, Walter N.; Leirs, Herwig: RMCA: 49 [49 - **49** - **50**].

Total Specimens for 5 July 1987: 50

7 July 1987

Tanzania: Rondo Flat [Forest Reserve]: Verheyen, Walter N.; Leirs, Herwig: RMCA: 3 [3 - **3**] - Rondo Forest Reserve: Verheyen, Walter N.; Leirs, Herwig: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 7 July 1987: 4

8 July 1987

Tanzania: Kagera region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1987: 1

9 July 1987

Tanzania: Kagera region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1987: 1

10 July 1987

South Africa: Ziqhumene: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tanzania: Kagera region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1987: 2

15 July 1987

Botswana: Okovango River Lodge: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tanzania: Ruangwa: Verheyen, Walter N.; Leirs, Herwig: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1987: 2

16 July 1987

Canary Islands (Spain): Cuevas de Marcos: Julio: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1987: 1

17 July 1987

Tanzania: Minziro Forest Reserve: Howell, Kim M.: SMF: 1 [1 - **1**] - Ruangwa: Verheyen, Walter N.; Leirs, Herwig: RMCA: 1 [1 - **1** - **2**].

Total Specimens for 17 July 1987: 2

22 July 1987

Kenya: Mount Suswa: Walen, A.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1987: 1

23 July 1987

Madagascar: Ambodiamontana: Creighton, G. Kenneth; Emmons, Louise H.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1987: 1

24 July 1987

Tanzania: Dar-Es-Salaam region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1987: 1

26 July 1987

South Africa: Hlabisa: Cooke, M.L.; Natal Parks Board, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1987: 1

1 August 1987

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 August 1987: 2

5 August 1987

Kenya: Ikuywa river bridge: Schlitter, Duane Albert: CM: 2, MCZ: 3 [5 - **5** - **5**].

Total Specimens for 5 August 1987: 5

9 August 1987

Madagascar: Kianjavato: Creighton, G. Kenneth: AMNH: 1 [1 - **1**] - Kianjavato, 0.5 km N: Creighton, G. Kenneth; Emmons, Louise H.: USNM: 6 [6 - **6** - **7**].
South Africa: Cape Vidal: ?: Collector Unknown: TM: 1 [1 - **1**] - Hazelmere Dam: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 9 August 1987: 9

10 August 1987

Kenya: Talek Gate: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].
Madagascar: Kianjavato, 0.5 km N: Creighton, G. Kenneth; Emmons, Louise H.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 10 August 1987: 5

11 August 1987

Madagascar: Kianjavato, 0.5 km N: Creighton, G. Kenneth; Emmons, Louise H.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 11 August 1987: 4

12 August 1987

Madagascar: Kianjavato, 0.5 km N: Creighton, G. Kenneth; Emmons, Louise H.: USNM: 18 [18 - **18** - **18**].

Total Specimens for 12 August 1987: 18

13 August 1987

Kenya: Talek Gate: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1987: 1

18 August 1987

Kenya: Makandara picnic site: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 18 August 1987: 2

23 August 1987

South Africa: St. Lucia: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1987: 1

30 August 1987

South Africa: Umgeni Fish Hatchery: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1987: 1

31 August 1987

Kenya: Buffalo Springs natural reserve: Schlitter, Duane Albert: CM: 4 [4 - **4** - **4**].

Total Specimens for 31 August 1987: 4

1 September 1987

South Africa: Cape Vidal: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Spain: Barranco de La Cantera: Trujillo, Domingo: MNH: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1987: 2

2 September 1987

Kenya: Buffalo Springs natural reserve: Schlitter, Duane Albert: CM: 4 [4 - **4** - **4**].

Total Specimens for 2 September 1987: 4

8 September 1987

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1987: 1

9 September 1987

Tanzania: Mikumi National Park, H.Q.: Leirs, Herwig: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1987: 1

10 September 1987

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1987: 1

11 September 1987

Kenya: Sigor: Schlitter, Duane Albert: CM: 1, MCZ: 1 [2 - **2** - **2**].

Total Specimens for 11 September 1987: 2

13 September 1987

Kenya: Sigor: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].
South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 13 September 1987: 4

15 September 1987

Egypt: Unknown locality: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].
South Africa: Farm Oograbies West 153: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): TM: 1 [1 - **1** - **1**].
Spain: Agulo: Trujillo, Domingo; Ibáñez Uargui, Carlos J.; Barone, E.: EBD: 2, MNH: 2 [4 - **4** - **4**].

Total Specimens for 15 September 1987: 9

17 September 1987

Gabon: Unknown locality: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1987: 1

19 September 1987

Kenya: Mount Elgon: Loveridge, Arthur: MCZ: 1 [1 - **1**] - Taveta Sisal Estate: Schlitter, Duane Albert: MCZ: 1 [1 - **1** - **2**].
Tanzania: Suma: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 19 September 1987: 4

20 September 1987

Kenya: Unknown locality: ?: Collector Unknown: RMNH: 3 [3 - **3**] - Taveta, 3 km E: Schlitter, Duane Albert: CM: 3, MCZ: 3 [6 - **6** - **9**].
Tanzania: Rungwe District: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 20 September 1987: 14

21 September 1987

Tanzania: Rungwe District: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 21 September 1987: 2

22 September 1987

Kenya: Ngangas Forest: Schlitter, Duane Albert: MCZ: 1 [1 - **1**] - Taita hills, Ngangao forest: Schlitter, Duane Albert: CM: 4 [4 - **4** - **5**].
Tanzania: Rungwe District: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 22 September 1987: 7

23 September 1987

Tanzania: Rungwe District: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 23 September 1987: 4

24 September 1987

Tanzania: Rungwe District: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 24 September 1987: 3

25 September 1987

Tanzania: Rungwe District: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 25 September 1987: 3

1 October 1987

Congo (Democratic Republic of the): Kinshasa: WHO; Colyn, Marc: RMCA: 3 [3 - **3**] - Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **4**].
South Africa: Farm Wagondrift 230: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Weber: TM: 3 [3 - **3** - **3**].
Tanzania: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 1 October 1987: 10

2 October 1987

South Africa: Farm Wagondrift 230: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Weber: TM: 7 [7 - **7** - **7**].

Total Specimens for 2 October 1987: 7

3 October 1987

Kenya: Taita hills, Ngangao forest: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1987: 1

5 October 1987

South Africa: Farm "Clearwater": ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 October 1987: 1

7 October 1987

South Africa: Newton Park: Kemp, A.C.: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 October 1987: 1

20 October 1987

Malawi: Mpyupyu Prison Farm: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 20 October 1987: 3

21 October 1987

Malawi: Mpyupyu Prison Farm: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].
South Africa: Boshof: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1987: 4

24 October 1987

Malawi: Mvu Camp: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1987: 1

27 October 1987

South Africa: Bloemfontein: ?: Collector Unknown: NMB: 31 [31 - **31** - **31**].

Total Specimens for 27 October 1987: 31

29 October 1987

South Africa: Waterberg, Farm Klipfontein 54JS: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **15** - **15**].

Total Specimens for 29 October 1987: 15

30 October 1987

Malawi: Namazo Bay: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 30 October 1987: 3

31 October 1987

Malawi: Namazo Bay: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 31 October 1987: 1

4 November 1987

South Africa: Nelspruit: van Rhyn, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1987: 1

6 November 1987

South Africa: Farm Hartebeesthoek: ?: Collector Unknown: TM: 1 [1]; van der Merwe, Mac: TM: 6 [6 - **7** - **7**].

Total Specimens for 6 November 1987: 7

19 November 1987

South Africa: Nylstroom: Carr, R.D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1987: 1

21 November 1987

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1987: 1

22 November 1987

Kenya: Mrima Hill: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1987: 1

23 November 1987

Kenya: Magwagwa Beach: Bergmans, Wim: ZMA: 1 [1 - **1**] - Msambweni: Bergmans, Wim: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 23 November 1987: 2

24 November 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 22 [22 - **22** - **22**].

Total Specimens for 24 November 1987: 22

25 November 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 9 [9 - **9**] - Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **10**].

Total Specimens for 25 November 1987: 10

26 November 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 26 November 1987: 12

27 November 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 27 November 1987: 10

28 November 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 10 [10 - **10**] - Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **11**].

Total Specimens for 28 November 1987: 11

29 November 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 29 November 1987: 3

30 November 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 17 [17 - **17** - **17**].

Total Specimens for 30 November 1987: 17

1 December 1987

Congo (Democratic Republic of the): Goma: Schoorl, J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Futululu Research Station: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 December 1987: 3

2 December 1987

South Africa: Waterberg, Farm Klipfontein 54JS: ?: Collector Unknown: TM: 1 [1]; van der Merwe, Mac: TM: 16 [16 - **17** - **17**].

Total Specimens for 2 December 1987: 17

4 December 1987

South Africa: St. Lucia: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1987: 1

5 December 1987

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1987: 1

8 December 1987

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 4 [4 - **4** - **4**].
South Africa: Riemvasmaak: Erasmus, B.H.: MMK: 2 [2 - **2** - **2**].

Total Specimens for 8 December 1987: 6

9 December 1987

South Africa: Riemvasmaak: Erasmus, B.H.: MMK: 7 [7 - **7** - **7**].

Total Specimens for 9 December 1987: 7

10 December 1987

South Africa: Ngome Forest Reserve: Nanni, R.: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1987: 1

11 December 1987

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Ngome Forest Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1987: 2

14 December 1987

South Africa: Xhubuxnap: Erasmus, B.H.: MMK: 4 [4 - **4** - **4**].

Total Specimens for 14 December 1987: 4

16 December 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 15 [15 - **15** - **15**].

Total Specimens for 16 December 1987: 15

17 December 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 17 December 1987: 11

18 December 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 12 [12 - **12** - **12**].

Total Specimens for 18 December 1987: 12

19 December 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].
Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1987: 4

20 December 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 20 December 1987: 10

21 December 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 21 December 1987: 9

22 December 1987

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 10 [10 - **10** - **10**].

Total Specimens for 22 December 1987: 10

23 December 1987

Malawi: Ntchisi Forest guesthouse: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - Ntchisi Forestry Resthouse: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **4**].

Total Specimens for 23 December 1987: 4

24 December 1987

Malawi: Ntchisi Forest guesthouse: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 24 December 1987: 2

1 January 1988

Congo (Democratic Republic of the): Kivu region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Kenya: Unknown locality: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].
South Africa: Maditobe [= Witsand] Dam: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Sudan: Sennar state: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 1 January 1988: 7

2 January 1988

South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1988: 1

3 January 1988

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 5 [5 - **5** - **5**].
South Africa: St. Lucia Village: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1988: 6

7 January 1988

South Africa: Waterberg, Farm Klipfontein 54JS: van der Merwe, Mac: TM: 24 [24 - **24** - **24**].

Total Specimens for 7 January 1988: 24

9 January 1988

South Africa: Bredill: Kubierke, H.: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1988: 1

10 January 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1988: 1

13 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 13 January 1988: 2

14 January 1988

South Africa: Letaba Highwater Bridge: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1988: 1

15 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].
South Africa: St. Lucia Village: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 15 January 1988: 5

17 January 1988

Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1988: 1

18 January 1988

South Africa: Fig Tree Camp: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1988: 1

19 January 1988

South Africa: Bobomene Research Camp: ?: Collector Unknown: TM: 1 [1 - **1**] - Fig Tree Camp: Koopman, Karl Friedrich: AMNH: 8 [8 - **8**] - Figtree camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - Pafuri: Koopman, Karl Friedrich: AMNH: 3 [3 - **3**] - Pafuri area: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Pafuri area, Mockford's Garden: Koopman, Karl Friedrich: AMNH: 6 [6]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **7** - **24**].

Total Specimens for 19 January 1988: 24

20 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 14 [14 - **14** - **14**].
South Africa: Pafuri area: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Punda Maria, 15 km E: Koopman, Karl Friedrich: AMNH: 3 [3 - **3** - **5**].

Total Specimens for 20 January 1988: 19

21 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 4 [4 - **4** - **4**].
South Africa: Kranskloof Nature Reserve: Erasmus, G.: TM: 1 [1 - **1**] - Maditobe [= Witsand] Dam: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **17**] - Maditobe Witsand Dam: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - Punda Maria Camp, 2 km N: Koopman, Karl Friedrich: AMNH: 4 [4 - **4** - **26**].

Total Specimens for 21 January 1988: 30

22 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 5 [5 - **5** - **5**].
Kenya: Mount Suswa cave: Walen, A.: ZMA: 34 [34 - **34** - **34**].
Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].
South Africa: Bobomene Research Camp: ?: Collector Unknown: TM: 1 [1 - **1**] - Fig Tree Camp: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - Pafuri: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - Pafuri area: Koopman, Karl Friedrich: AMNH: 3 [3 - **3**] - Pafuri area, Mockford's Garden: Koopman, Karl Friedrich: AMNH: 6 [6 - **6**] - Skukuza: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **13**].

Total Specimens for 22 January 1988: 54

23 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].
Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Fig Tree Camp: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - Pafuri area: Koopman, Karl Friedrich: AMNH: 3 [3 - **3**] - Pafuri area, Mockford's Garden: Koopman, Karl Friedrich: AMNH: 2 [2 - **2** - **6**].

Total Specimens for 23 January 1988: 10

24 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 4 [4 - **4** - **4**].
South Africa: Letaba: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Letaba Highwater Bridge: Koopman, Karl Friedrich: AMNH: 6 [6]; Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **13**] - Letaba Rest Camp, 1 km SE: Koopman, Karl Friedrich:

AMNH: 1 [1 - **1**] - Old Picnic Site: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **12** - **28**].

Total Specimens for 24 January 1988: 32

25 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 5 [5 - **5** - **5**].
Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Letaba Camp, 1 km SE: ?: Collector Unknown: TM: 4 [4 - **4**] - Letaba Rest Camp, 1 km SE: Koopman, Karl Friedrich: AMNH: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **12**] - Umhlanga Rocks: Jacobs, M.: TM: 1 [1 - **1** - **17**].

Total Specimens for 25 January 1988: 23

26 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
South Africa: Letaba Rest Camp: ?: Collector Unknown: TM: 4 [4 - **4**] - Olifants [see Olifants Ruskamp, see also: Olifants River Rest Camp, Olifants River Ruskamp, Olifantsrivierruskamp]: Koopman, Karl Friedrich: AMNH: 3 [3 - **3**] - Olifants Camp, 7 km W: ?: Collector Unknown: TM: 5 [5 - **5**] - Olifants Rest Camp, 7 km W: Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **7**] - Olifants, 7 km W: Koopman, Karl Friedrich: AMNH: 5 [5 - **5**] - Satara Rest Camp: Koopman, Karl Friedrich: AMNH: 6 [6 - **6** - **30**].

Total Specimens for 26 January 1988: 31

27 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
South Africa: Farm Klipfontein 54JS: ?: Collector Unknown: TM: 1 [1 - **1**] - Kranskloof Nature Reserve: ?: Collector Unknown: TM: 1 [1]; Erasmus, G.: TM: 1 [1 - **2**] - Letaba, 5 km E: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Waterberg, Farm Klipfontein 54JS: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1]; van der Merwe, Mac: TM: 6 [6]; van der Merwe, Mac; Jones, E.M.: TM: 1 [1 - **8** - **13**].

Total Specimens for 27 January 1988: 14

28 January 1988

Namibia: Hoanib R., floodplain: Braby, R.: SMW: 4 [4 - **4** - **4**].
South Africa: Pafuri area, Mockford's Garden: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - Waterberg, Farm Klipfontein 54JS: van der Merwe, Mac; Jones, E.M.: TM: 2 [2 - **2** - **3**].

Total Specimens for 28 January 1988: 7

29 January 1988

South Africa: Letaba Rest Camp, 8 km SE: ?: Collector Unknown: TM: 3 [3 - **3**] - Letaba, 8 km SE: Koopman, Karl Friedrich: AMNH: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **4**] - Nhlanganindam. [see Nhlanganini dam, see also: Hlanganini dam]: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **8**].

Total Specimens for 29 January 1988: 8

30 January 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 7 [7 - **7** - **7**].
South Africa: Letaba: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Nwanedzi River, old bridge over: ?: Collector Unknown: TM: 5 [5]; Koopman, Karl Friedrich: AMNH: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **15**] - Satara Rest Camp: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **18**].

Total Specimens for 30 January 1988: 25

31 January 1988

South Africa: Nwanedzi River, old bridge over: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1988: 1

1 February 1988

South Africa: Nwanedzi Camp, dam 1 km NWN: ?: Collector Unknown: TM: 5 [5 - **5**] - Nwanetzi: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Nwanetzi, 1 km N: Koopman, Karl Friedrich: AMNH: 8 [8 - **8**] - Satara Rest Camp: ?: Collector Unknown: TM: 2 [2 - **2**] - Skukuza: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - WNLA Dam: Rautenbach, Ignatius Lourens [=Naas]: TM: 14 [14 - **14** - **32**].

Total Specimens for 1 February 1988: 32

2 February 1988

South Africa: Nwanedzi Camp, dam 1 km NWN: ?: Collector Unknown: TM: 1 [1 - **1**] - Satara Rest Camp: ?: Collector Unknown: TM: 10 [10 - **10**] - WNLA Dam: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **12**].

Total Specimens for 2 February 1988: 12

3 February 1988

South Africa: Mnangadyana Koppie, cave: Bronner, Gary Neil: TM: 4 [4 - **4**] - Orpen Gate, 14 km N: Koopman, Karl Friedrich: AMNH: 3 [3 - **3**] - Roodevaal Private Camp, 2 km SE: ?: Collector Unknown: TM: 3 [3]; Bronner, Gary Neil: TM: 12 [12]; Koopman, Karl Friedrich: AMNH: 7 [7 - **22** - **29**].

Total Specimens for 3 February 1988: 29

4 February 1988

South Africa: Lebombo Ironwood forest: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6**] - Letaba-Olifants confluence, 2 km E: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **7**].

Total Specimens for 4 February 1988: 7

5 February 1988

South Africa: Sabie River, north bank: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **6** - **6**].

Total Specimens for 5 February 1988: 6

6 February 1988

South Africa: Loskop windmill: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Loskop Windmill, 17 km N: ?: Collector Unknown: TM: 2 [2 - **2**] - Satara Rest Camp: Koopman, Karl Friedrich: AMNH: 4 [4 - **4**] - Skukuza: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **8**].

Total Specimens for 6 February 1988: 8

7 February 1988

South Africa: Renosterkoppies, 15 km S: ?: Collector Unknown: TM: 4 [4 - **4**] - Rhenosterkoppies: Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **16**] - Skukuza: Koopman, Karl Friedrich: AMNH: 9 [9 - **9** - **29**].

Total Specimens for 7 February 1988: 29

8 February 1988

South Africa: Satara Rest Camp: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1988: 1

9 February 1988

South Africa: Letaba-Olifants confluence, 2 km E: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1988: 1

10 February 1988

South Africa: Sabie River, north bank: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **5**] - Skukuza: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Tshokwane picnic spot, 12 km E: ?: Collector Unknown: TM: 1 [1]; Braack, L.E.O.: TM: 2 [2 - **3**] - Tshokwani: Koopman, Karl Friedrich: AMNH: 2 [2 - **2** - **12**].

Total Specimens for 10 February 1988: 12

11 February 1988

South Africa: Kuruman: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1988: 1

13 February 1988

South Africa: Lower Sabie Rest Camp, 15 km SE: ?: Collector Unknown: TM: 1 [1 - **1**] - Skukuza, 1.5 km NW: ?: Collector Unknown: TM: 3 [3]; Bronner, Gary Neil: TM: 6 [6 - **9** - **10**].

Total Specimens for 13 February 1988: 10

14 February 1988

Malawi: Kalimbuka: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Kruger Gate bridge: ?: Collector Unknown: TM: 13 [13 - **13**] - Skukuza staff village: Bronner, Gary Neil: TM: 1 [1 - **1** - **14**].

Total Specimens for 14 February 1988: 15

15 February 1988

South Africa: Crocodile River: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Malelane: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Malelane, 11 km ENE: Koopman, Karl Friedrich: AMNH: 16 [16 - **16**] - Malelane, 3 km NNE: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - Thornhill Farm 171 JU, Figaro mine: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **13** - **35**].

Total Specimens for 15 February 1988: 35

19 February 1988

Malawi: Kalimbuka: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1988: 1

21 February 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 15 [15 - **15** - **15**].
South Africa: Farm Roodekopjes: Muller, P.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1988: 16

24 February 1988

Malawi: Zomba: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Queen Elizabeth Park: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1988: 2

26 February 1988

South Africa: Lapalala Wilderness Area, confluence of Palala-Koedoesloop Rivers, Farm New Belgium 608 [= RR Ranch]: Jones, E.M.: TM: 2 [2]; Jones, E.M.; Pallett, J.: TM: 1 [1 - **3**] - Lapalala Wilderness area, Farm Dubbelwater: Jones, E.M.: TM: 1 [1 - **1**] - Waterberg, Lapalala Wilderness area: ?: Collector Unknown: TM: 1 [1]; Jones, E.M.; Pallett, J.: TM: 1 [1 - **2** - **6**].

Total Specimens for 26 February 1988: 6

29 February 1988

South Africa: Futululu Research Station: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 February 1988: 1

1 March 1988

Congo: Kunda: Jones, Theo Simpson: HZM: 3 [3 - **3** - **3**].

Total Specimens for 1 March 1988: 3

2 March 1988

South Africa: Waterberg, Farm Klipfontein 54JS: Herholdt, E.M.; Weber, S.: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1988: 1

4 March 1988

Malawi: Namazo Bay: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 4 March 1988: 3

8 March 1988

South Africa: Old Picnic Site: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].

Total Specimens for 8 March 1988: 3

9 March 1988

South Africa: Ngome Forest Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1988: 1

10 March 1988

Namibia: in Villa...: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
South Africa: Dukuduku Forest: ?: Collector Unknown: TM: 3 [3 - **3**] - Ngome Forest Reserve: Muller, H.: TM: 5 [5 - **5** - **8**].

Total Specimens for 10 March 1988: 9

11 March 1988

South Africa: Ngome Forest Reserve: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1988: 1

12 March 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Ngome Forest Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1988: 2

14 March 1988

South Africa: Ngome Forest Reserve: ?: Collector Unknown: TM: 1 [1]; Bronner, Gary Neil: TM: 1 [1]; GNB: TM: 1 [1]; Mothlasedi, S.: TM: 1 [1 - **4** - **4**].

Total Specimens for 14 March 1988: 4

15 March 1988

Namibia: Nama pan [=Nama dam]: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
South Africa: Wakkerstroom: Jones, E.M.: TM: 1 [1]; Mothlasedi, S.: TM: 1 [1 - **2** - **2**].

Total Specimens for 15 March 1988: 3

16 March 1988

South Africa: Wakkerstroom: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1988: 1

17 March 1988

South Africa: Wakkerstroom: Jones, E.M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1988: 1

18 March 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1988: 1

20 March 1988

Congo (Democratic Republic of the): Kisangani: Bijnens, Luc: RMCA: 1 [1 - **1** - **1**].
South Africa: Otto's Bluff Farm: ?: Collector Unknown: TM: 1 [1]; Wirminghaus, J.O.: TM: 1 [1 - **2** - **2**].

Total Specimens for 20 March 1988: 3

23 March 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1988: 1

24 March 1988

Liberia: Greenville: Dickerman, Robert W.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 24 March 1988: 3

25 March 1988

Nigeria: Chappal Waddi: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
South Africa: Kruger Gate bridge: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].

Total Specimens for 25 March 1988: 13

26 March 1988

Algeria: Ain Cheurfas: Csorba, Gábor: HNHM: 3 [3 - **3**] - Cheurfas Barrage: Csorba, Gábor: HNHM: 4 [4 - **4** - **7**].

Total Specimens for 26 March 1988: 7

27 March 1988

Algeria: Ain Cheurfas: Csorba, Gábor: HNHM: 5 [5 - **5**] - Cheurfas Barrage: Csorba, Gábor: HNHM: 5 [5 - **5** - **10**].

Total Specimens for 27 March 1988: 10

28 March 1988

Liberia: Juarzon: Dickerman, Robert W.: AMNH: 5 [5 - **5** - **5**].
South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Chester 235, dam on Blyde River: van der Merwe, J.: TM: 1 [1 - **1**] - Lapalala Wilderness Area, Weltevreden Research Station, roadside on road to: Bronner, Gary Neil; Gerrans, R.: TM: 1 [1 - **1**] - Waterberg, Farm Klipfontein 54JS: Bronner, Gary Neil; Gerrans, R.: TM: 17 [17 - **17** - **19**].

Total Specimens for 28 March 1988: 24

29 March 1988

Liberia: Juarzon: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **1**].
South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: van der Merwe, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1988: 2

31 March 1988

Liberia: Juarzon: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 31 March 1988: 2

2 April 1988

Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1988: 1

3 April 1988

Liberia: Jaoudi, ca. 12 mi SSE: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1988: 1

4 April 1988

Liberia: Jaoudi, ca. 12 mi SSE: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **1**].
São Tomé and Principé: Santa Catarina, in a cave near the seashore: Juste, Javier; Ibáñez Uargui, Carlos J.: EBD: 1 [1 - **1** - **1**].
South Africa: Ficksburg: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 4 April 1988: 4

6 April 1988

South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: van der Merwe, J.: TM: 1 [1]; van der Merwe, J.; Bronner, Gary Neil: TM: 1 [1 - **2** - **2**].

Total Specimens for 6 April 1988: 2

7 April 1988

Liberia: Jaoudi, ca. 12 mi SSE: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **2**].
South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: van der Merwe, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1988: 3

8 April 1988

Liberia: Jaoudi, 12 mi SSE: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - Jaoudi, ca. 12 mi SSE: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **3**].
Malawi: Namazo Bay: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: van der Merwe, J.; Bronner, Gary Neil: TM: 2 [2 - **2** - **2**].

Total Specimens for 8 April 1988: 6

9 April 1988

Malawi: Namazo Bay: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: Bronner, Gary Neil; van der Merwe, J.: TM: 3 [3]; van der Merwe, J.; Bronner, Gary Neil: TM: 1 [1 - **4** - **4**].

Total Specimens for 9 April 1988: 5

11 April 1988

Liberia: Jaoudi, ca. 12 mi SSE: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **1**].
São Tomé and Principé: Agua-Ize: Juste, Javier; Ibáñez Uargui, Carlos J.: EBD: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1988: 2

15 April 1988

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1988: 1

19 April 1988

South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: van der Merwe, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1988: 1

22 April 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
São Tomé and Principé: Praia das Conchas: Juste, Javier; Ayong, Antonio: EBD: 2 [2 - **2** - **2**].

Total Specimens for 22 April 1988: 3

24 April 1988

Malawi: Chimpeni farm: Van Strien, Nico J.: ZMA: 2 [2 - **2**] - Chipeni Farm: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **4**].

Total Specimens for 24 April 1988: 4

25 April 1988

South Africa: Waterberg, Farm Klipfontein 54JS: Weber, S.; Gerrans, R.: TM: 24 [24 - **24** - **24**].

Total Specimens for 25 April 1988: 24

27 April 1988

South Africa: Kruger Gate bridge: ?: Collector Unknown: TM: 15 [15 - **15** - **15**].

Total Specimens for 27 April 1988: 15

30 April 1988

South Africa: Voelklip, 7th Street: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 April 1988: 1

1 May 1988

Burkina Faso: Nazinga: Van der Wal, M.: ZMA: 3 [3 - **3** - **3**].
Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1988: 4

14 May 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1988: 1

15 May 1988

South Africa: Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence: Duthie, Andrew: TM: 3 [3 - **3**] - Vhembi,junction of Shashe and Limpopo: ?: Collector Unknown: TM: 1 [1 - **1** - **4**].

Total Specimens for 15 May 1988: 4

18 May 1988

Malawi: Lifupa Camp: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 18 May 1988: 2

19 May 1988

Malawi: Lifupa Camp: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 19 May 1988: 2

20 May 1988

Malawi: Ntchisi Forest guesthouse: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 20 May 1988: 2

23 May 1988

Congo (Democratic Republic of the): Masako: Bijnens, Luc: RMCA: 2 [2 - **2** - **2**].
Malawi: Bua Camp, Guard houses: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Bellair: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1988: 4

25 May 1988

South Africa: Krantzkloof Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Waterberg, Farm Klipfontein 54JS: Gerrans, R.; Weber, S.: TM: 4 [4]; Weber, S.; Gerrans, R.: TM: 6 [6 - **10** - **11**].

Total Specimens for 25 May 1988: 11

27 May 1988

South Africa: Irene, Irene cave: van der Merwe, Mac: TM: 5 [5 - **5**] - Kruger Gate bridge: ?: Collector Unknown: TM: 8 [8]; Braack, L.E.O.: TM: 1 [1 - **9** - **14**].

Total Specimens for 27 May 1988: 14

30 May 1988

South Africa: Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence: Duthie, Andrew: TM: 3 [3 - **3**] - Gazankulu, Manyeleti Game Reserve, Main Camp: ?: Collector Unknown: TM: 1 [1 - **1** - **4**].

Total Specimens for 30 May 1988: 4

31 May 1988

Burkina Faso: Nazinga: Van der Wal, M.: ZMA: 1 [1 - **1**] - Nazinga: Van de Wal, M.: ZMA: 1 [1 - **1** - **2**].

Total Specimens for 31 May 1988: 2

1 June 1988

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
Liberia: Hilltown: Stampfli, F.X.; Büttikofer, Johan: RMNH: 1 [1 - **1** - **1**].
South Africa: Kruger Gate bridge: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 1 June 1988: 5

4 June 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1988: 1

10 June 1988

Malawi: Lengwe National Park, near pool along link road, Tourist Camp, 3 km W: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].
South Africa: Dukuduku Forest: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1988: 3

14 June 1988

Malawi: Chingwe's Hole: Van Strien, Nico J.: ZMA: 5 [5 - **5** - **5**].

Total Specimens for 14 June 1988: 5

15 June 1988

Malawi: Mulunguzi-dam: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 15 June 1988: 1

22 June 1988

Gabon: Booué: Van Neer, Wim: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1988: 1

25 June 1988

South Africa: Skukuza Village: ?: Collector Unknown: TM: 13 [13 - **13** - **13**].

Total Specimens for 25 June 1988: 13

28 June 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
South Africa: Farm Klipfontein 54JS: ?: Collector Unknown: TM: 1 [1 - **1**] - Waterberg, Farm Klipfontein 54JS: Gerrans, R.: TM: 1 [1 - **1** - **2**].

Total Specimens for 28 June 1988: 3

1 July 1988

Malawi: Lengwe National Park: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 1 July 1988: 2

2 July 1988

Malawi: Lengwe National Park, near pool along link road, Tourist Camp, 3 km W: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1988: 1

3 July 1988

Malawi: Lengwe National Park, near pool along link road, Tourist Camp, 3 km W: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1988: 1

5 July 1988

South Africa: American cave: van der Merwe, Mac: TM: 3 [3 - **3** - **3**].

Total Specimens for 5 July 1988: 3

6 July 1988

South Africa: American cave: van der Merwe, Mac: TM: 3 [3 - **3** - **3**].

Total Specimens for 6 July 1988: 3

7 July 1988

Tanzania: Mkundi: Verhagen, Ron; Leirs, Herwig: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 7 July 1988: 1

8 July 1988

Zimbabwe: Angwa bridge, 7 km SW: SENG: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1988: 1

10 July 1988

Malawi: Monkey Bay, 4-5 km from: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 July 1988: 1

11 July 1988

Zambia: Livingstone: Whitehead, C.: WAM: 2 [2 - **2** - **2**].

Total Specimens for 11 July 1988: 2

18 July 1988

Zambia: Livingstone: Whitehead, C.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1988: 1

19 July 1988

Zambia: Livingstone: Whitehead, C.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1988: 1

24 July 1988

South Africa: Skukuza Town: ?: Collector Unknown: TM: 1 [1 - **1**] - Skukuza Village: ?: Collector Unknown: TM: 7 [7 - **7** - **8**].

Total Specimens for 24 July 1988: 8

25 July 1988

South Africa: Zastron: ?: Collector Unknown: NMB: 32 [32 - **32** - **32**].
Zambia: Livingstone: Whitehead, C.: WAM: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1988: 33

28 July 1988

Madagascar: Vatovavy: Creighton, G. Kenneth; Ryan, J.M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1988: 1

29 July 1988

Madagascar: Vatovavy: Creighton, G. Kenneth; Ryan, J.M.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 29 July 1988: 2

30 July 1988

Madagascar: Vatovavy: Creighton, G. Kenneth; Ryan, J.M.: USNM: 6 [6 - **6** - **6**].
South Africa: Waterberg, Farm Klipfontein 54JS: Bronner, Gary Neil; Weber; Gerrans, R.: TM: 1 [1 - **1** - **1**].

Total Specimens for 30 July 1988: 7

31 July 1988

Madagascar: Vatovavy: Creighton, G. Kenneth; Ryan, J.M.: USNM: 1 [1 - **1** - **1**].
South Africa: Waterberg, Farm Klipfontein 54JS: Bronner, Gary Neil; Weber; Gerrans, R.: TM: 23 [23 - **23** - **23**].

Total Specimens for 31 July 1988: 24

3 August 1988

Madagascar: Kianjavato, 4 km E by road: Creighton, G. Kenneth; Ryan, J.M.: USNM: 14 [14 - **14** - **14**].

Total Specimens for 3 August 1988: 14

4 August 1988

Malawi: Namazo Bay: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 4 August 1988: 1

7 August 1988

Tanzania: Shinyanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 August 1988: 1

8 August 1988

Egypt: Gebel el Lahun: Handwerk, Johannes: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 8 August 1988: 3

10 August 1988

Madagascar: Ifanadiana, 6 km SSW: Creighton, G. Kenneth; Ryan, J.M.: USNM: 18 [18 - **18** - **18**].

Total Specimens for 10 August 1988: 18

19 August 1988

Madagascar: Andrambovata, 2 km NE: Creighton, G. Kenneth; Ryan, J.M.: USNM: 1 [1 - **1**] - Andrambovato, 2 km NE: Creighton, G. Kenneth; Ryan, J.M.: USNM: 2 [2 - **2** - **3**].

Total Specimens for 19 August 1988: 3

20 August 1988

Madagascar: Andrambovato, 2 km NE: Creighton, G. Kenneth; Ryan, J.M.: USNM: 9 [9 - **9** - **9**].

Total Specimens for 20 August 1988: 9

21 August 1988

South Africa: Kruger Gate bridge: ?: Collector Unknown: TM: 7 [7 - **7** - **7**].

Total Specimens for 21 August 1988: 7

23 August 1988

South Africa: Waterberg, Farm Klipfontein 54JS: Bronner, Gary Neil: TM: 4 [4]; Bronner, Gary Neil; *et al.*: TM: 15 [15 - **19** - **19**].

Total Specimens for 23 August 1988: 19

26 August 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 26 August 1988: 2

30 August 1988

South Africa: Kruger Gate bridge: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].

Total Specimens for 30 August 1988: 6

1 September 1988

Malawi: Malosa: Van Strien, Nico J.: ZMA: 4 [4 - **4** - **4**].
South Africa: Skukuza: Matsie, F.: KNP: 1 [1 - **1**] - Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 1 September 1988: 6

5 September 1988

South Africa: Bethlehem: ?: Collector Unknown: NMB: 1 [1 - **1**] - Ficksburg: ?: Collector Unknown: NMB: 3 [3 - **3**] - Schaapplaats, Farm 930: ?: Collector Unknown: NMB: 1 [1 - **1** - **5**].

Total Specimens for 5 September 1988: 5

6 September 1988

South Africa: Bethlehem: ?: Collector Unknown: NMB: 1 [1 - **1**] - Schaapplaats, Farm 930: ?: Collector Unknown: NMB: 5 [5 - **5**] - Spioenkop Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **7**].

Total Specimens for 6 September 1988: 7

14 September 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 14 September 1988: 2

15 September 1988

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1988: 1

17 September 1988

South Africa: Farm Liverpool 202: Laatz, I.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1988: 1

19 September 1988

South Africa: Waterberg, Farm Klipfontein 54JS: Gerrans, R.; Weber, S.: TM: 4 [4]; Weber, S.; Gerrans, R.: TM: 3 [3 - **7** - **7**].

Total Specimens for 19 September 1988: 7

20 September 1988

Cameroon: Kalamaloué forest and game reserve: Van der Zon, A.P.M.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 September 1988: 1

25 September 1988

South Africa: Kruger Gate bridge: ?: Collector Unknown: TM: 8 [8 - **8** - **8**].

Total Specimens for 25 September 1988: 8

30 September 1988

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 September 1988: 1

2 October 1988

South Africa: Dukuduku Forest Station: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 2 October 1988: 2

3 October 1988

South Africa: Dukuduku Forest Station: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 3 October 1988: 3

4 October 1988

Botswana: Serowe, sewage ponds: Forchhammer, Per: WAM: 2 [2 - **2**] - Serowe, village 2 km from: Forchhammer, Per: WAM: 1 [1 - **1** - **3**].

Total Specimens for 4 October 1988: 3

5 October 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Dukuduku Forest Station: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Total Specimens for 5 October 1988: 5

6 October 1988

South Africa: Dukuduku Forest Station: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].

Total Specimens for 6 October 1988: 5

8 October 1988

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
South Africa: Dukuduku Forest: Bronner, Gary Neil; *et al.*: TM: 1 [1 - **1**] - Dukuduku Forest Station: ?: Collector Unknown: TM: 2 [2 - **2** - **3**].
Swaziland: Forbes Reef mine: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1988: 5

16 October 1988

South Africa: Kosi Lake, Department of Health camp: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 16 October 1988: 2

20 October 1988

South Africa: Kosi Lake, Department of Health camp: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1988: 1

21 October 1988

South Africa: Kosi Lake, Department of Health camp: ?: Collector Unknown: TM: 1 [1]; Bronner, Gary Neil; *et al.*: TM: 1 [1 - **2** - **2**].

Total Specimens for 21 October 1988: 2

24 October 1988

South Africa: Kruger Gate bridge: ?: Collector Unknown: TM: 15 [15 - **15** - **15**].

Total Specimens for 24 October 1988: 15

25 October 1988

South Africa: Ladybrand Commonage: ?: Collector Unknown: NMB: 9 [9 - **9** - **9**].

Total Specimens for 25 October 1988: 9

27 October 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1988: 1

28 October 1988

Tanzania: Nyegezi: Goudswaard, P.C. [Kees]: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 28 October 1988: 3

1 November 1988

Benin: Kandi and Malanville, road between: van Woersem, I.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1988: 1

2 November 1988

South Africa: Waterberg, Farm Klipfontein 54JS: van der Merwe, Mac: TM: 14 [14 - **14** - **14**].

Total Specimens for 2 November 1988: 14

6 November 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1988: 1

9 November 1988

South Africa: Blyderivierspoort Nature Reserve, Bourkes Luck: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 November 1988: 1

10 November 1988

South Africa: Gazankulu, Manyeleti Game Reserve, Main Camp, Albatros: ?: Collector Unknown: TM: 1 [1 - **1**] - Kabusi Forest: ?: Collector Unknown: TM: 1 [1 - **1**] - Sandile's Cave: Wingate, Lloyd R.: TM: 4 [4 - **4** - **6**].

Total Specimens for 10 November 1988: 6

11 November 1988

South Africa: Kabusi Forest: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1988: 1

17 November 1988

South Africa: Kruger Gate bridge: ?: Collector Unknown: TM: 14 [14 - **14**] - Tsitsikama-NP, 2 km S Stormsriver Mouth, Guono Cave: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **16**].

Total Specimens for 17 November 1988: 16

18 November 1988

South Africa: Natures Valley Village: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: TM: 1 [1]; Schlitter, Duane Albert: CM: 3 [3 - **7** - **7**].

Total Specimens for 18 November 1988: 7

20 November 1988

Congo (Democratic Republic of the): Unknown locality: Verlaine: RMCA: 2 [2 - **2**] - Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **3**].
Liberia: Hendi: Kofron, Christopher P.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 November 1988: 5

21 November 1988

Lesotho: Sehlabathebe-NP: ?: Collector Unknown: KM: 1, NMB: 2 [3 - **3**] - Sehlabathebe-NP, small dam: ?: Collector Unknown: NMB: 8 [8 - **8** - **11**].

Total Specimens for 21 November 1988: 11

22 November 1988

South Africa: Jonkershoek Nature Conservation Research Station: Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 1 [1 - **1**] - Jonkershoek research station: Schlitter, Duane Albert: CM: 1 [1 - **1** - **2**].

Total Specimens for 22 November 1988: 2

23 November 1988

South Africa: Jonkershoek Nature Conservation Research Station: Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 3 [3 - **3**] - Jonkershoek research station: Schlitter, Duane Albert: CM: 1 [1 - **1** - **4**].

Total Specimens for 23 November 1988: 4

24 November 1988

South Africa: Jonkershoek research station: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 24 November 1988: 2

25 November 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].
South Africa: Battelary: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - De Hoop Nature Reserve, De Hoop Guano Cave: ?: Collector Unknown: TM: 3 [3]; Erasmus, B.H.: TM: 10 [10 - **13** - **14**].

Total Specimens for 25 November 1988: 16

27 November 1988

Liberia: Cuttington University College: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1988: 1

30 November 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1988: 1

1 December 1988

Liberia: Cuttington University College: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **1**].
Malawi: Mwenyama village: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **1**].
South Africa: Cederberg, Algeria State Forest: Schlitter, Duane Albert: CM: 1 [1 - **1**] - Cederberg, Algeria State Forest, campsite: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): TM: 4 [4 - **4** - **5**].

Total Specimens for 1 December 1988: 7

2 December 1988

South Africa: Cederberg, Algeria State Forest: Schlitter, Duane Albert: CM: 2 [2 - **2**] - Cederberg, Algeria State Forest, campsite: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): TM: 7 [7 - **7**] - Gazankulu, Manyeleti Game Reserve, Main Camp: ?: Collector Unknown: TM: 1 [1 - **1** - **10**].

Total Specimens for 2 December 1988: 10

3 December 1988

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].
Malawi: Mwenyama village: Chimimba, Christian Timonthy: WAM: 7 [7 - **7** - **7**].
South Africa: Cederberg, Algeria State Forest: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 3 December 1988: 11

5 December 1988

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].
Liberia: Cuttington University College: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **1**].
South Africa: Cederberg, Algeria State Forest: Bronner, Gary Neil; Rautenbach, Ignatius Lourens [=Naas];: TM: 1 [1 - **1**] - Cederberg, Algeria State Forest, campsite: Bronner, Gary Neil: TM: 1 [1]; Bronner, Gary Neil; Rautenbach, Ignatius

Lourens [=Naas];: TM: 1 [1 - **2**] - Farm Brakfontein, Koegelbeen Cave: ?: Collector Unknown: TM: 22 [22 - **22**] - Farm Koegelbeen / Farm Brakfontein, Koegelbeen cave: Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **11** - **36**].

Total Specimens for 5 December 1988: 39

6 December 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1988: 1

7 December 1988

Liberia: Cuttington University College: Kofron, Christopher P.: AMNH: 5 [5 - **5** - **5**].
Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1988: 6

9 December 1988

Malawi: Kabango village banana plantation: Chimimba, Christian Timonthy: WAM: 3 [3 - **3** - **3**].

Total Specimens for 9 December 1988: 3

10 December 1988

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1988: 1

11 December 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - Ntcheu: Chimimba, Christian Timonthy: WAM: 2 [2 - **2** - **3**].

Total Specimens for 11 December 1988: 3

13 December 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 13 December 1988: 1

15 December 1988

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 4 [4 - **4** - **4**].
South Africa: Skukuza: McDulling, M.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1988: 5

24 December 1988

Malawi: Namazo Bay: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 24 December 1988: 3

25 December 1988

Malawi: Monkey Bay, 4-5 km from: Van Strien, Nico J.: ZMA: 8 [8 - **8** - **8**].

Total Specimens for 25 December 1988: 8

26 December 1988

Malawi: Namazo Bay: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 26 December 1988: 2

29 December 1988

Malawi: Zomba plateau, foot of: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Kruger Gate bridge: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].

Total Specimens for 29 December 1988: 13

30 December 1988

Liberia: Cuttington University College: Kofron, Christopher P.: AMNH: 1 [1 - **1**] - Kpatwee Falls: Kofron, Christopher P.: AMNH: 17 [17 - **17** - **18**].
Malawi: Mulunguzi-dam: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 30 December 1988: 20

31 December 1988

Liberia: Kpatwee Falls: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **1**].
Malawi: Malosa: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1988: 2

1 January 1989

Cameroon: Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].
Liberia: Kpatwee Falls: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **1**].
Tanzania: Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 1 January 1989: 4

2 January 1989

Liberia: Kpatwee Falls: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1989: 1

8 January 1989

Liberia: Cuttington University College: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1989: 1

10 January 1989

Liberia: Zorzor: Kofron, Christopher P.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 January 1989: 2

12 January 1989

Liberia: Zorzor: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 January 1989: 1

18 January 1989

Cameroon: Somalomo: Van der Zon, A.P.M.: ZMA: 2 [2 - **2** - **2**].
South Africa: D'Nyala Provincial Nature Reserve: de Beer, T.: TM: 2 [2 - **2** - **2**].

Total Specimens for 18 January 1989: 4

20 January 1989

Cameroon: Somalomo: Van der Zon, A.P.M.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1989: 1

2 February 1989

Zimbabwe: Iron Mask Hills cave: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1989: 1

3 February 1989

Zimbabwe: Chinhoyi Caves: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 3 February 1989: 2

6 February 1989

South Africa: Old Figtree forest: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1989: 1

8 February 1989

South Africa: Anthrax camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - Bobomeni research camp [=Bobomene]: Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **7** - **9**].

Total Specimens for 8 February 1989: 9

9 February 1989

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
Zimbabwe: Nyanyana campsite: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1989: 2

10 February 1989

Lesotho: Mokhotlong: ?: Collector Unknown: NMB: 27 [27 - **27**] - Nkokomele, near: ?: Collector Unknown: NMB: 3 [3 - **3** - **30**].
Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
Zimbabwe: Mazoe Citrus Estate: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 10 February 1989: 33

11 February 1989

South Africa: Farm Klipfontein 407, Echo caves: ?: Collector Unknown: TM: 1 [1]; Boshoff, P.: TM: 8 [8 - **9** - **9**].

Total Specimens for 11 February 1989: 9

14 February 1989

Malawi: Malosa: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1989: 1

16 February 1989

Liberia: Robertsport: Kofron, Christopher P.: AMNH: 8 [8 - **8** - **8**].
South Africa: Loskop Dam Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1989: 9

17 February 1989

Liberia: Robertsport: Kofron, Christopher P.: AMNH: 5 [5 - **5** - **5**].

Total Specimens for 17 February 1989: 5

22 February 1989

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 22 February 1989: 2

25 February 1989

South Africa: St. Lucia: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1989: 1

28 February 1989

South Africa: Howick: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1989: 1

1 March 1989

Malawi: Muona Mission: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1989: 1

2 March 1989

Malawi: Mpherere Mission: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Waterberg, Farm Klipfontein 54JS: Herholdt, E.M.; Weber, S.: TM: 3 [3]; Weber, S.; Gerrans, R.: TM: 1 [1 - **4** - **4**].

Total Specimens for 2 March 1989: 5

3 March 1989

Namibia: Eiseb R: Pallett, J.R.; Maluleke, Elvis: SMW: 2 [2 - **2** - **2**].

Total Specimens for 3 March 1989: 2

4 March 1989

Namibia: Eiseb R: Pallett, J.R.; Maluleke, Elvis: SMW: 4 [4 - **4** - **4**].

Total Specimens for 4 March 1989: 4

5 March 1989

Namibia: Eiseb R: Pallett, J.R.; Maluleke, Elvis: SMW: 4 [4 - **4** - **4**].

Total Specimens for 5 March 1989: 4

8 March 1989

Namibia: Eiseb R, Therosvallei: Pallett, J.R.; Maluleke, Elvis: SMW: 2 [2 - **2** - **2**].

Total Specimens for 8 March 1989: 2

13 March 1989

South Africa: Gamkapoort Nature Reserve: Erasmus, R.: SAMC: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1989: 1

23 March 1989

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1989: 1

24 March 1989

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 24 March 1989: 1

25 March 1989

Liberia: Cuttington University College: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **1**].
Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 25 March 1989: 3

13 April 1989

South Africa: Irene, Irene cave: van der Merwe, Mac: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1989: 1

17 April 1989

Lesotho: Pelaneng: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Zambia: Chirundu: ?: Collector Unknown: WAM: 2 [2]; Siachoono, Stanford M.: WAM: 2 [2 - **4** - **4**].

Total Specimens for 17 April 1989: 5

19 April 1989

Zambia: Chirundu: ?: Collector Unknown: WAM: 3 [3 - **3** - **3**].

Total Specimens for 19 April 1989: 3

20 April 1989

South Africa: Gravelotte mines: Duthie, Andrew: TM: 1 [1 - **1** - **1**].
Zambia: Chirundu: ?: Collector Unknown: WAM: 3 [3 - **3**] - Chisakila Area: ?: Collector Unknown: WAM: 5 [5 - **5** - **8**].

Total Specimens for 20 April 1989: 9

21 April 1989

Zambia: Chirundu: ?: Collector Unknown: WAM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1989: 1

22 April 1989

Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: ?: Collector Unknown: WAM: 5 [5 - **5** - **5**].

Total Specimens for 22 April 1989: 5

23 April 1989

Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: ?: Collector Unknown: WAM: 3 [3 - **3** - **3**].

Total Specimens for 23 April 1989: 3

24 April 1989

Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: ?: Collector Unknown: WAM: 3 [3 - **3** - **3**].

Total Specimens for 24 April 1989: 3

25 April 1989

Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: ?: Collector Unknown: WAM: 2 [2 - **2** - **2**].

Total Specimens for 25 April 1989: 2

26 April 1989

Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: ?: Collector Unknown: WAM: 2 [2 - **2** - **2**].

Total Specimens for 26 April 1989: 2

27 April 1989

Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: ?: Collector Unknown: WAM: 2 [2 - **2** - **2**].

Total Specimens for 27 April 1989: 2

28 April 1989

Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: ?: Collector Unknown: WAM: 3 [3 - **3** - **3**].

Total Specimens for 28 April 1989: 3

29 April 1989

Zambia: Confluence of Kafue and Zambezi rivers, Zambezi Farm: ?: Collector Unknown: WAM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1989: 1

30 April 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 30 April 1989: 2

1 May 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].
Zambia: Chirundu: ?: Collector Unknown: WAM: 3 [3 - **3** - **3**].

Total Specimens for 1 May 1989: 6

2 May 1989

Zambia: Chirundu: ?: Collector Unknown: WAM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1989: 1

3 May 1989

Zambia: Chirundu: ?: Collector Unknown: WAM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1989: 1

4 May 1989

Zambia: Chirundu: ?: Collector Unknown: WAM: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1989: 1

5 May 1989

Malawi: Kafikisira village: Chimimba, Christian Timonthy: WAM: 4 [4 - **4** - **4**].

Total Specimens for 5 May 1989: 4

7 May 1989

Malawi: Mwandwanga banana plantation: Chimimba, Christian Timonthy: WAM: 9 [9 - **9** - **9**].

Total Specimens for 7 May 1989: 9

10 May 1989

Malawi: Blantyre and Zomba, between: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1989: 1

12 May 1989

Malawi: Mwamyesya banana plantation: Chimimba, Christian Timonthy: WAM: 9 [9 - **9** - **9**].

Total Specimens for 12 May 1989: 9

19 May 1989

Malawi: Kamisa Banana Plantation: Chimimba, Christian Timonthy: WAM: 7 [7 - **7** - **7**].

Total Specimens for 19 May 1989: 7

20 May 1989

Malawi: Chitipa Township: Chimimba, Christian Timonthy: WAM: 5 [5 - **5** - **5**].

Total Specimens for 20 May 1989: 5

21 May 1989

Malawi: Mwenekapoka banana plantation: Chimimba, Christian Timonthy: WAM: 4 [4 - **4** - **4**].

Total Specimens for 21 May 1989: 4

22 May 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1989: 1

23 May 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 5 [5 - **5** - **5**].
Malawi: Ibanda: Chimimba, Christian Timonthy: WAM: 5 [5 - **5** - **5**].

Total Specimens for 23 May 1989: 10

24 May 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 5 [5 - **5** - **5**].
Malawi: Mwenekapoka banana plantation: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **1**].
South Africa: Pietermaritzburg, Chase Valley Heights: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1989: 7

25 May 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 4 [4 - **4** - **4**].
Malawi: Mbirima banana plantation: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1989: 5

28 May 1989

Malawi: Jailosi Nyondo Banana Plantation: Chimimba, Christian Timonthy: WAM: 5 [5 - **5**] - Mbirima banana plantation: Chimimba, Christian Timonthy: WAM: 7 [7 - **7** - **12**].

Total Specimens for 28 May 1989: 12

30 May 1989

Malawi: Mbirima banana plantation: Chimimba, Christian Timonthy: WAM: 1 [1 - **1**] - Mwakalukwa banana plantation: Chimimba, Christian Timonthy: WAM: 6 [6 - **6** - **7**].

Total Specimens for 30 May 1989: 7

3 June 1989

Egypt: Cairo, 20 km S: Stuhlmann, Franz Ludwig: ZMH: 1 [1 - **1** - **1**].
Malawi: Luzi banana plantation: Chimimba, Christian Timonthy: WAM: 8 [8 - **8**] - Mzokoto banana plantation: Chimimba, Christian Timonthy: WAM: 8 [8 - **8** - **16**].

Total Specimens for 3 June 1989: 17

6 June 1989

Malawi: Luzi banana plantation: Chimimba, Christian Timonthy: WAM: 4 [4 - **4**] - Rumphi: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **5**].

Total Specimens for 6 June 1989: 5

11 June 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 June 1989: 1

15 June 1989

Tanzania: Dar-Es-Salaam region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 15 June 1989: 3

16 June 1989

South Africa: Hans Merensky Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1989: 1

18 June 1989

South Africa: Hans Merensky Nature Reserve: TPA Nature Conservation: TM: 4 [4 - **4** - **4**].

Total Specimens for 18 June 1989: 4

19 June 1989

Malawi: Kamisa Banana Plantation: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **1**].
South Africa: Craigieburn [Farmstead]: Vine, James: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1989: 2

21 June 1989

Malawi: Golden Sands Camp: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 21 June 1989: 3

28 June 1989

South Africa: Shongweni Polo Club: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1989: 1

1 July 1989

Congo (Democratic Republic of the): Make: Tshinyenye: RMCA: 2 [2 - **2** - **2**].
Malawi: Liwonde: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1989: 3

2 July 1989

Malawi: Liwonde: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1989: 1

3 July 1989

Mozambique: Villa Moatize, 17 km E: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1989: 1

6 July 1989

Malawi: Livingstonia Beach: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 6 July 1989: 3

7 July 1989

Malawi: Salima-Senga Bay: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 7 July 1989: 1

12 July 1989

South Africa: Farm Tangala 87: Neser, Walter: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1989: 1

16 July 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 16 July 1989: 2

27 July 1989

Tanzania: Uhafiwa Luhega Forest: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1989: 1

1 August 1989

Congo (Democratic Republic of the): Make: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1989: 1

10 August 1989

South Africa: Langjan Provincial Nature Reserve: de Villiers, A.J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1989: 1

11 August 1989

Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Kivu region: ?: Collector Unknown: SMF: 14 [14 - **14**] - Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **17**].

Total Specimens for 11 August 1989: 17

25 August 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 4 [4 - **4** - **4**].
South Africa: Koegelbeen Caves: ?: Collector Unknown: NMB: 75 [75 - **75** - **75**].

Total Specimens for 25 August 1989: 79

26 August 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 26 August 1989: 2

27 August 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 27 August 1989: 7

28 August 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
South Africa: American cave: Viviers, L.: TM: 13 [13 - **13**] - Sudwala Cave: Estebeth, M.: TM: 1 [1 - **1** - **14**].

Total Specimens for 28 August 1989: 15

29 August 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1989: 1

30 August 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].
South Africa: Langjan Provincial Nature Reserve: de Villiers, A.J.: TM: 3 [3 - **3** - **3**].

Total Specimens for 30 August 1989: 6

14 September 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 14 September 1989: 3

15 September 1989

Madagascar: Mandena Forest: Creighton, G. Kenneth: USNM: 2 [2 - **2** - **2**].

Total Specimens for 15 September 1989: 2

16 September 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 16 September 1989: 1

18 September 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 18 September 1989: 1

25 September 1989

Madagascar: Petriky Forest: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **1**].

Total Specimens for 25 September 1989: 1

26 September 1989

South Africa: Zastron Commonage: ?: Collector Unknown: NMB: 3 [3 - **3**] - Zastron Commons: ?: Collector Unknown: NMB: 1 [1 - **1** - **4**].

Total Specimens for 26 September 1989: 4

27 September 1989

South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1989: 1

28 September 1989

South Africa: Waterberg, Farm Klipfontein 54JS: ?: Collector Unknown: TM: 2 [2]; van der Merwe, Mac: TM: 47 [47 - **49** - **49**].

Total Specimens for 28 September 1989: 49

1 October 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].
South Africa: Figaro Mine: ?: Collector Unknown: TM: 10 [10]; Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **21** - **21**].

Total Specimens for 1 October 1989: 24

5 October 1989

Madagascar: Sainte Luce Forest: Creighton, G. Kenneth: USNM: 1 [1 - **1**] - Sainte-Luce forest: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **2**].

Total Specimens for 5 October 1989: 2

8 October 1989

Zambia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1989: 1

9 October 1989

South Africa: Farm Zanrivier: Neser, Walter: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1989: 1

11 October 1989

Zambia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 11 October 1989: 2

13 October 1989

Madagascar: Sainte Luce Forest: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1989: 1

16 October 1989

Zambia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 October 1989: 1

17 October 1989

Lesotho: Maseru: ?: Collector Unknown: NMB: 4 [4 - **4** - **4**].

Total Specimens for 17 October 1989: 4

18 October 1989

Lesotho: Maseru: ?: Collector Unknown: NMB: 6 [6 - **6** - **6**].

Total Specimens for 18 October 1989: 6

19 October 1989

Lesotho: Maseru: ?: Collector Unknown: NMB: 5 [5 - **5**] - Thaba Tseka: ?: Collector Unknown: NMB: 1 [1 - **1** - **6**].

Total Specimens for 19 October 1989: 6

20 October 1989

Lesotho: Thaba Tseka: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Madagascar: Sainte Luce Forest: Creighton, G. Kenneth: USNM: 2 [2 - **2** - **2**].

Total Specimens for 20 October 1989: 3

21 October 1989

South Africa: WCNP, Bottelary: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1989: 1

22 October 1989

Madagascar: Sainte Luce Forest: Creighton, G. Kenneth: USNM: 2 [2 - **2** - **2**].
South Africa: WCNP, Bottelary: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1989: 3

23 October 1989

Madagascar: Sainte Luce Forest: Creighton, G. Kenneth: USNM: 2 [2 - **2** - **2**].

Total Specimens for 23 October 1989: 2

24 October 1989

Mozambique: Bazaruto Lodge: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 24 October 1989: 2

25 October 1989

Malawi: Nkhata Bay: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].
South Africa: Ladybrand Commonage: ?: Collector Unknown: NMB: 4 [4 - **4** - **4**].

Total Specimens for 25 October 1989: 6

1 November 1989

South Africa: Farm Olivewood 284: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8]; Schlitter, Duane Albert: CM: 4 [4 - **12** - **12**].

Total Specimens for 1 November 1989: 12

2 November 1989

South Africa: Farm Olivewood 284: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8]; Schlitter, Duane Albert: CM: 5 [5 - **13** - **13**].

Total Specimens for 2 November 1989: 13

5 November 1989

Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 5 November 1989: 1

7 November 1989

South Africa: Brooklyn: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1989: 1

9 November 1989

Madagascar: Manantenina, 14 km N by road: Goodman, Steven M.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 9 November 1989: 2

10 November 1989

Malawi: Chinguni Resthouse: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1989: 1

17 November 1989

Madagascar: Tolagnaro, 2 km WNW: Creighton, G. Kenneth: USNM: 20 [20]; Creighton, G. Kenneth; Goodman, Steven M.: USNM: 13 [13 - **33** - **33**].
Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1989: 34

18 November 1989

Comoros: Lima Mani: Meirte, Danny: RMCA: 9 [9 - **9** - **9**].
Tanzania: Matumbi: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1989: 10

19 November 1989

Comoros: Lima Mani: Meirte, Danny: RMCA: 4 [4 - **4** - **4**].
South Africa: Farm Greefswald 37MS, Shashi-Limpopo confluence: Schlitter, Duane Albert: CM: 7 [7 - **7** - **7**].

Total Specimens for 19 November 1989: 11

20 November 1989

South Africa: Farm Greefswald 37MS, Shashi-Limpopo confluence: Schlitter, Duane Albert: CM: 6 [6 - **6** - **6**].
Tanzania: Pwani region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 20 November 1989: 8

21 November 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 7 [7 - **7** - **7**].
Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence: Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **9** - **9**].

Total Specimens for 21 November 1989: 17

22 November 1989

Comoros: La Grille: Meirte, Danny: RMCA: 2 [2 - **2** - **2**].
South Africa: Farm Greefswald 37MS, Shashi-Limpopo confluence: Schlitter, Duane Albert: CM: 9 [9 - **9**] - Songimvelo Nature Reserve: ?: Collector Unknown: DNSM: 3 [3 - **3** - **12**].

Total Specimens for 22 November 1989: 14

24 November 1989

Comoros: La Grille: Meirte, Danny: RMCA: 11 [11 - **11** - **11**].
Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1989: 12

26 November 1989

South Africa: Nylsvlei Provincal Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 November 1989: 2

28 November 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
South Africa: Nylsvlei Nature Reserve: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1989: 2

29 November 1989

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 29 November 1989: 1

4 December 1989

South Africa: Sinoville: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1989: 1

5 December 1989

South Africa: Luipershoek: Neser, Walter: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1989: 1

8 December 1989

Madagascar: Marasohy Forest: Creighton, G. Kenneth; Ryan, J.M.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 8 December 1989: 2

10 December 1989

Comoros: Malakoff: Meirte, Danny: RMCA: 4 [4 - **4**] - Miringoni: Meirte, Danny: RMCA: 1 [1 - **1** - **5**].

Total Specimens for 10 December 1989: 5

11 December 1989

Comoros: St Antoine: Meirte, Danny: RMCA: 6 [6 - **6** - **6**].
South Africa: Jagersfontein: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1989: 7

12 December 1989

Comoros: St Antoine: Meirte, Danny: RMCA: 5 [5 - **5** - **5**].
Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 12 December 1989: 9

13 December 1989

Comoros: Itsandra: Meirte, Danny: RMCA: 3 [3 - **3**] - Miringoni: Meirte, Danny: RMCA: 1 [1 - **1** - **4**].

Total Specimens for 13 December 1989: 4

17 December 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1989: 2

18 December 1989

Madagascar: Fort Dauphin: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **1**].

Total Specimens for 18 December 1989: 1

19 December 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1989: 1

22 December 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 22 December 1989: 5

23 December 1989

Malawi: Nkhota Bay: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 23 December 1989: 2

24 December 1989

Malawi: Nkhata Bay: Van Strien, Nico J.: BDUMZ: 1, ZMA: 2 [3 - **3** - **3**].

Total Specimens for 24 December 1989: 3

25 December 1989

Malawi: Nkhata Bay: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 25 December 1989: 1

27 December 1989

Malawi: Vwaza Marsh Game Park: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
South Africa: Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1989: 2

28 December 1989

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 28 December 1989: 6

29 December 1989

Malawi: Karonga, 10 km W: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 29 December 1989: 2

30 December 1989

South Africa: Postberg Nature Reserve: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Total Specimens for 30 December 1989: 2

1 January 1990

Cameroon: Bele / Adjola: Jooris: RMCA: 1 [1 - **1** - **1**].
Madagascar: Ambovombe: Creighton, G. Kenneth: USNM: 18 [18 - **18**] - Itaranta: ?: Collector Unknown: USNM: 2 [2 - **2**] - Ranopiso, 20 km WNW and Amboasary, 12 km ENE: Creighton, G. Kenneth: USNM: 14 [14 - **14**] - Tolanaro: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **35**].
Tanzania: Arusha region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1990: 37

7 January 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 7 January 1990: 3

9 January 1990

South Africa: Zastron: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 9 January 1990: 1

17 January 1990

South Africa: Belfast Town: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1990: 1

20 January 1990

South Africa: Farm Faust 743: ?: Collector Unknown: TM: 10 [10 - **10**] - Sabie river bank: ?: Collector Unknown: TM: 1 [1 - **1** - **11**].
Zimbabwe: Sentinal Ranch: ?: Collector Unknown: TM: 1 [1]; Neser, N.: TM: 1 [1]; Neser, Walter: TM: 5 [5 - **7**] - Sentinel Ranch: Neser, Walter: TM: 1 [1 - **1** - **8**].

Total Specimens for 20 January 1990: 19

21 January 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 8 [8 - **8** - **8**].
Malawi: Mulunguzi Road, 10: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1990: 9

23 January 1990

South Africa: Durban CBD: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Jagersfontein Commonage: ?: Collector Unknown: NMB: 4 [4 - **4** - **5**].

Total Specimens for 23 January 1990: 5

24 January 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1990: 1

25 January 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1990: 1

26 January 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1990: 1

27 January 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1990: 1

28 January 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 28 January 1990: 2

29 January 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
South Africa: Sterkfontein dam: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 29 January 1990: 2

1 February 1990

Tanzania: Pwani region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 1 February 1990: 2

6 February 1990

South Africa: Clocolan [Excelsior]: ?: Collector Unknown: NMB: 12 [12 - **12** - **12**].

Total Specimens for 6 February 1990: 12

9 February 1990

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1990: 1

10 February 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].
Zimbabwe: Sentinal Ranch: ?: Collector Unknown: TM: 1 [1]; Neser, Walter: TM: 1 [1 - **2** - **2**].

Total Specimens for 10 February 1990: 5

11 February 1990

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1990: 1

12 February 1990

South Africa: Farm Waterval 747: ?: Collector Unknown: NMB: 13 [13 - **13**] - Harrismith [Warden]: ?: Collector Unknown: NMB: 15 [15 - **15**] - Jagersfontein Commonage: ?: Collector Unknown: NMB: 13 [13 - **13**] - Warden: ?: Collector Unknown: NMB: 5 [5 - **5** - **46**].

Total Specimens for 12 February 1990: 46

13 February 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 13 February 1990: 3

14 February 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].
South Africa: Spioenkop Dam: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Spioenkop Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 14 February 1990: 6

15 February 1990

Kenya: Galana Game Scheme [= Galana Ranch]: National Museums of Kenya, The: UWBM: 4 [4 - **4** - **4**].
South Africa: Jagersfontein Commonage: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1990: 5

16 February 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].
South Africa: Jagersfontein Commonage: ?: Collector Unknown: NMB: 42 [42 - **42** - **42**].
Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1990: 45

17 February 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].
Kenya: Galana Game Scheme [= Galana Ranch]: National Museums of Kenya, The: UWBM: 4 [4 - **4** - **4**].

South Africa: Lynwood: Burton, M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 February 1990: 8

27 February 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
South Africa: Entabeni State Forest: Herholdt, E.M.: TM: 10 [10 - **10**] - Spioenkop Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **11**].

Total Specimens for 27 February 1990: 12

28 February 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 4 [4 - **4** - **4**].
South Africa: Entabeni State Forest: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1990: 5

1 March 1990

Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1990: 1

2 March 1990

South Africa: Buzzard Mountain Sanctuary: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 2 March 1990: 2

3 March 1990

Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 6 [6 - **6**] - Ziggida, 2 km E, 7 km N: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **7**].
South Africa: Bobomeni research camp [=Bobomene]: Rautenbach, Ignatius Lourens [=Naas]: KNP: 6, TM: 1 [7 - **7** - **7**].

Total Specimens for 3 March 1990: 14

4 March 1990

Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 14 [14 - **14**] - Ziggida, 2 km E, 7 km N: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - Ziggida, 7 mi [=11 km] N, 1 mi [= 1.6 km] E: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - Ziggida, 7 mi N, 1 mi E: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **18**].
South Africa: Malitube Dam: Rautenbach, Ignatius Lourens [=Naas]: KNP: 2 [2 - **2** - **2**].

Total Specimens for 4 March 1990: 20

5 March 1990

Egypt: Port Said, 10 mi S: Geene, R.: ZMA: 2 [2 - **2** - **2**].
Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 13 [13 - **13** - **13**].

Total Specimens for 5 March 1990: 15

6 March 1990

Côte d'Ivoire: Unknown locality: Vissault, Jacques: ZMA: 1 [1 - **1** - **1**].
Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 6 March 1990: 4

7 March 1990

Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 5 [5 - **5** - **5**].
South Africa: EKZN Wildlfe Headquarters: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Picnic site: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8** - **9**].

Total Specimens for 7 March 1990: 14

8 March 1990

Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 10 [10 - **10** - **10**].

Total Specimens for 8 March 1990: 10

9 March 1990

Liberia: Ziggida, 1 km E, 10.5 km N: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 11 [11 - **11** - **12**].

Total Specimens for 9 March 1990: 12

10 March 1990

Burundi: Teza, 2.3 km N, 0.7 km W: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].
Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 March 1990: 3

11 March 1990

Congo (Democratic Republic of the): Irangi: Heller, Klaus-Gerhard; Volleth, Marianne: SMF: 2 [2 - **2** - **2**].
Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 4 [4 - **4** - **4**].

Total Specimens for 11 March 1990: 6

12 March 1990

Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 10 [10 - **10**] - Ziggida, 13 km N, 1 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **12**].

Total Specimens for 12 March 1990: 12

13 March 1990

Congo (Democratic Republic of the): Irangi: Heller, Klaus-Gerhard; Volleth, Marianne: SMF: 3 [3 - **3** - **3**].
Liberia: Ziggida, 1 km E, 10.5 km N: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 14 [14 - **14**] - Ziggida, 13 km N, 1 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **17**].
South Africa: Suikerbosrand [=Suikerboschrand] Nature Reserve: de Beer, T.: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1990: 21

14 March 1990

Burundi: Teza, 2.3 km N, 0.7 km W: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].
Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 6 [6 - **6**] - Ziggida, 13 km N, 1 km E: Dickerman, Robert W.: AMNH: 11 [11 - **11** - **17**].

Total Specimens for 14 March 1990: 19

15 March 1990

Liberia: Ziggida, 1 km E, 10.5 km N: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 3 [3 - **3**] - Ziggida, 13 km N, 1 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **6**].

Total Specimens for 15 March 1990: 6

16 March 1990

Burundi: Teza, 2.3 km N, 0.7 km W: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].
Liberia: Gabagea River: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - Ziggida, 13 km N, 1 km E: Dickerman, Robert W.: AMNH: 8 [8 - **8** - **12**].

Total Specimens for 16 March 1990: 14

17 March 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].
Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 3 [3 - **3** - **3**].

Total Specimens for 17 March 1990: 5

18 March 1990

Liberia: Ziggida, 1 km E, 13 km N: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 5 [5 - **5**] - Ziggida, 13 km N, 1 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **8**].

Total Specimens for 18 March 1990: 8

19 March 1990

Burundi: Teza, 2.3 km N, 0.7 km W: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].
Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - Ziggida, 13 km N, 1 km E: Dickerman, Robert W.: AMNH: 3 [3 - **3** - **4**].

Total Specimens for 19 March 1990: 6

20 March 1990

Congo (Democratic Republic of the): Irangi: Heller, Klaus-Gerhard; Volleth, Marianne: SMF: 1 [1 - **1** - **1**].
Liberia: Gabagea River: Dickerman, Robert W.: AMNH: 3 [3 - **3**] - Ziggida, 11 km N, 2 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - Ziggida, 13 km N, 1 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **7**].

Total Specimens for 20 March 1990: 8

21 March 1990

Liberia: Gabagea River: Dickerman, Robert W.: AMNH: 8 [8 - **8**] - Ziggida, 11 km N, 2 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - Ziggida, 13 km N, 1 km E: Schmitt, Carl Gregory: AMNH: 5 [5 - **5** - **15**].

Total Specimens for 21 March 1990: 15

22 March 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 3 [3 - **3** - **3**].
Liberia: Gabagea River: Dickerman, Robert W.: AMNH: 11 [11 - **11**] - Ziggida, 1 km N, 3 km E: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - Ziggida, 11 km N, 2 km E: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - Ziggida, 13 km N, 1 km E: Schmitt, Carl Gregory: AMNH: 3 [3 - **3** - **16**].

Total Specimens for 22 March 1990: 19

23 March 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
Liberia: Gabagea River: Dickerman, Robert W.: AMNH: 14 [14 - **14**] - Ziggida, 11 km N, 2 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **16**].

Total Specimens for 23 March 1990: 17

24 March 1990

Liberia: Gabagea River: Dickerman, Robert W.: AMNH: 10 [10 - **10**] - Ziggida, 11 km N, 2 km E: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **11**].

Total Specimens for 24 March 1990: 11

25 March 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].
Liberia: Gabagea River: Dickerman, Robert W.: AMNH: 7 [7 - **7** - **7**].

Total Specimens for 25 March 1990: 9

26 March 1990

Burundi: Teza, 2.3 km N, 0.7 km W: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].
Liberia: Gabagea River: Dickerman, Robert W.: AMNH: 9 [9 - **9** - **9**].

Total Specimens for 26 March 1990: 10

27 March 1990

Burundi: Kibira National Park: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Liberia: Gabagea River: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 March 1990: 3

28 March 1990

Burundi: Teza, 2.3 km N, 0.7 km W: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].
Rwanda: Nyungwe forest reserve: Heller, Klaus-Gerhard; Volleth, Marianne: SMF: 1 [1 - **1** - **1**].

Total Specimens for 28 March 1990: 2

4 April 1990

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1990: 1

6 April 1990

Malawi: Mbalame Mountain: Van Strien, Nico J.: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 6 April 1990: 4

8 April 1990

Liberia: Jaoudi, ca. 12 mi SSE: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1990: 1

9 April 1990

Namibia: Omega: Pallett, J.R.: SMW: 1 [1 - **1**] - Western Caprivi, Omega: Pallett, J.R.: SMW: 1 [1 - **1** - **2**].
South Africa: Malitube Dam: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1 [1 - **1** - **1**].

Total Specimens for 9 April 1990: 3

15 April 1990

Egypt: Shak Shouk: Geene, R.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1990: 1

16 April 1990

Uganda: Kalangala, 1.0 km N, 0.5 km E: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 April 1990: 2

17 April 1990

Uganda: Kalangala, 1.0 km N, 0.5 km E: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 17 April 1990: 3

18 April 1990

Rwanda: Byumba: Ruedi, Manuel; Arlettaz, Raphaël: MHNG: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1990: 1

19 April 1990

Uganda: Kalangala: ?: Collector Unknown: FMNH: 1 [1]; Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **3** - **3**].

Total Specimens for 19 April 1990: 3

20 April 1990

Uganda: Kalangala, 1.0 km N, 0.5 km E: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1990: 1

21 April 1990

Uganda: Kalangala: Kerbis Peterhans, Julian C.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 21 April 1990: 5

23 April 1990

Uganda: Kalangala, 1.0 km N, 0.5 km E: : FMNH: 1 [1]; Kerbis Peterhans, Julian C.: FMNH: 5 [5 - **6** - **6**].

Total Specimens for 23 April 1990: 6

24 April 1990

Uganda: Kalangala, 1.0 km N, 0.5 km E: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3**] - Kalangala, 1.0 km S: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7** - **10**].

Total Specimens for 24 April 1990: 10

26 April 1990

South Africa: Boskop Dam Nature Reserve: TPA Nature Conservation: TM: 2 [2 - **2** - **2**].

Total Specimens for 26 April 1990: 2

29 April 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].
South Africa: Sudwala Cave: Estebeth, M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1990: 2

3 May 1990

South Africa: Grootvadersbosch Forest Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1990: 1

6 May 1990

South Africa: Sudwala Cave: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1990: 1

7 May 1990

Malawi: Chitipa Township: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1990: 1

8 May 1990

South Africa: Iphiva Camp: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 8 May 1990: 2

10 May 1990

Egypt: Manzala East: Geene, R.: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 10 May 1990: 3

14 May 1990

South Africa: St. Lucia: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1990: 1

15 May 1990

South Africa: St. Lucia: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 15 May 1990: 4

17 May 1990

Malawi: Liwonde National Park, Headquaters: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 17 May 1990: 3

18 May 1990

Malawi: Liwonde National Park, Headquaters: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Uganda: Tende: Kityo, Robert N.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 18 May 1990: 7

19 May 1990

Uganda: Tende: Kityo, Robert N.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 May 1990: 2

20 May 1990

Malawi: Likabula mission: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 1 [1 - **4** - **4**].
Uganda: Tende: Kityo, Robert N.: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 20 May 1990: 12

21 May 1990

Malawi: Likabula mission: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 4 [4 - **6** - **6**].
Uganda: Tende: Kityo, Robert N.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 May 1990: 8

22 May 1990

Malawi: Likabula mission: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 2 [2 - **5** - **5**].
Uganda: Tende: Kityo, Robert N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1990: 6

23 May 1990

Malawi: Likabula mission: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 2 [2 - **4** - **4**].

Total Specimens for 23 May 1990: 4

28 May 1990

Uganda: Bufumira Island: Kityo, Robert N.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 May 1990: 3

29 May 1990

Uganda: Bufumira Island: Kityo, Robert N.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 May 1990: 2

21 June 1990

Malawi: Misuku-Mughese Mission: Van Strien, Nico J.: ZMA: 11 [11 - **11** - **11**].

Total Specimens for 21 June 1990: 11

22 June 1990

Malawi: Misuku-Mughese Mission: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 22 June 1990: 1

23 June 1990

Malawi: Misuku-Mughese Mission: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].
Seychelles: Valle Riche: Zug, George R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 23 June 1990: 3

25 June 1990

South Africa: Ntabamnyama section: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1990: 1

1 July 1990

Tanzania: Kiwengoma Forest Reserve: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].
Zimbabwe: Mana Pools National Park: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **3**] - Mana Pools National Park, HQ: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Mana Pools-NP: ?: Collector Unknown: TM: 1 [1 - **1** - **5**].

Total Specimens for 1 July 1990: 7

8 July 1990

Uganda: Bukakata: Kityo, Robert N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1990: 1

20 July 1990

Uganda: Bukakata: Kityo, Robert N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1990: 1

22 July 1990

Uganda: Bukakata: Kityo, Robert N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1990: 1

23 July 1990

Uganda: Bukakata: Kityo, Robert N.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 23 July 1990: 3

25 July 1990

Uganda: Bukakata: Kityo, Robert N.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 July 1990: 2

26 July 1990

Uganda: Bukakata: Kityo, Robert N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1990: 1

29 July 1990

Liberia: Ziggida, 10.5 km N, 1 km E: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 July 1990: 2

6 August 1990

Uganda: Ajumani: Kityo, Robert N.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1990: 2

9 August 1990

Uganda: Metu: Kityo, Robert N.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 August 1990: 2

10 August 1990

Nigeria: Kano state: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Uganda: Metu: Kityo, Robert N.: FMNH: 12 [12 - **12** - **12**].

Total Specimens for 10 August 1990: 13

11 August 1990

Ethiopia: Kulfo river: Timmins, R.J.: HZM: 1 [1 - **1** - **1**].
Uganda: Metu: Kityo, Robert N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1990: 2

13 August 1990

Uganda: Dufile: Kityo, Robert N.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 13 August 1990: 9

21 August 1990

Tanzania: Mchungu Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1990: 1

22 August 1990

Tanzania: Mchungu Forest Reserve: Howell, Kim M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 22 August 1990: 3

30 August 1990

Nigeria: Bauchi state: ?: Collector Unknown: SMF: 2 [2 - **2**] - Yankari Game Reserve: : SMF: 1 [1 - **1** - **3**].

Total Specimens for 30 August 1990: 3

9 September 1990

Zimbabwe: Matusadona National Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1990: 1

10 September 1990

Burundi: Nyamugari hill: Davenport, L.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 September 1990: 2

11 September 1990

Burundi: Nyamugari hill: Davenport, L.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 11 September 1990: 5

12 September 1990

Burundi: Nyamugari hill: Davenport, L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 September 1990: 1

15 September 1990

Kenya: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1990: 1

20 September 1990

Nigeria: Gwarzo: : SMF: 1 [1 - **1**] - Kaduna state: ?: Collector Unknown: SMF: 15 [15 - **15** - **16**].

Total Specimens for 20 September 1990: 16

29 September 1990

Madagascar: Manantanely Forest: Creighton, G. Kenneth; Raholimavo, E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1990: 1

1 October 1990

South Africa: Boshof: ?: Collector Unknown: NMB: 19 [19 - **19** - **19**].

Total Specimens for 1 October 1990: 19

6 October 1990

Madagascar: Nahampoana: Creighton, G. Kenneth; Raholimavo, E.: USNM: 10 [10 - **10**] - Nahampoana Forest: Creighton, G. Kenneth; Raholimavo, E.: USNM: 5 [5 - **5** - **15**].

Total Specimens for 6 October 1990: 15

8 October 1990

Madagascar: Ranopiso, 20 km WNW and Amboasary, 12 km ENE: Creighton, G. Kenneth; Raholimavo, E.: USNM: 1 [1 - **1** - **1**].
South Africa: Bloemfontein: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1990: 2

9 October 1990

Madagascar: Ranopiso, 20 km WNW and Amboasary, 12 km ENE: Creighton, G. Kenneth; Raholimavo, E.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 9 October 1990: 2

10 October 1990

Madagascar: Ambovombe: Creighton, G. Kenneth; Raholimavo, E.: USNM: 65 [65 - **65**] - Ankapoky: Creighton, G. Kenneth; Raholimavo, E.: USNM: 2 [2 - **2** - **67**].

Total Specimens for 10 October 1990: 67

11 October 1990

Madagascar: Ankapoky: Creighton, G. Kenneth; Raholimavo, E.: USNM: 3 [3 - **3**] - Bevilany: Creighton, G. Kenneth; Raholimavo, E.: USNM: 15 [15 - **15**] - near Itaranta River: Creighton, G. Kenneth; Raholimavo, E.: USNM: 3 [3 - **3**] - Ranopiso, 20 km WNW and Amboasary, 12 km ENE: Creighton, G. Kenneth; Raholimavo, E.: USNM: 5 [5 - **5** - **26**].
Zambia: Ikelenge Pedicle between the Sakeji and Zambezi rivers, approximately 11 km NNE of source of Zambezi river, Kavunda: Cotterill, F.P.D. [=Woody]: HZM: 1, NHMZ: 2 [3 - **3** - **3**].

Total Specimens for 11 October 1990: 29

12 October 1990

Burundi: Kigwena Hill: Criblez, Matthew: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1990: 1

13 October 1990

Burundi: Kigwena Hill: Criblez, Matthew: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 October 1990: 2

15 October 1990

Congo (Democratic Republic of the): Irangi, slightly E of: Bergmans, Wim: ZMA: 6 [6 - **6**] - Kasiba: Bergmans, Wim: ZMA: 1 [1 - **1** - **7**].

Total Specimens for 15 October 1990: 7

16 October 1990

Congo (Democratic Republic of the): Irangi: Bergmans, Wim: ZMA: 2 [2 - **2**] - Irangi, 3 mi of: Bergmans, Wim: ZMA: 2 [2 - **2**] - Lwana: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **5**].

Total Specimens for 16 October 1990: 5

17 October 1990

Congo (Democratic Republic of the): Irangi: Bergmans, Wim: ZMA: 4 [4 - **4** - **4**].

Total Specimens for 17 October 1990: 4

18 October 1990

Congo (Democratic Republic of the): Irangi: Bergmans, Wim: ZMA: 1 [1 - **1**] - Luhoho: Bergmans, Wim: ZMA: 3 [3 - **3** - **4**].

Total Specimens for 18 October 1990: 4

19 October 1990

Congo (Democratic Republic of the): Irangi: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Madagascar: Manantantely: Creighton, G. Kenneth; Raholimavo, E.: USNM: 6 [6 - **6** - **6**].

Total Specimens for 19 October 1990: 7

22 October 1990

South Africa: Bobomeni research camp [=Bobomene]: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **5** - **5**].

Total Specimens for 22 October 1990: 5

23 October 1990

South Africa: Fig Tree Camp: ?: Collector Unknown: TM: 1 [1 - **1**] - Old Fig Tree Forest: ?: Collector Unknown: TM: 2 [2 - **2**] - Old Figtree forest: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **4**].

Total Specimens for 23 October 1990: 4

24 October 1990

South Africa: Anthrax camp: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - Manxeba windmill: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - Mphahlele River: Copley, R.B.: TM: 1 [1 - **1** - **5**].

Total Specimens for 24 October 1990: 5

26 October 1990

Tanzania: Mlola Forest: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 26 October 1990: 2

27 October 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1990: 1

28 October 1990

Madagascar: Marovony Forest: Creighton, G. Kenneth; Raholimavo, E.: USNM: 2 [2 - **2** - **2**].
South Africa: Ararat, Sterkfontein Dam Nature Reserve: ?: Collector Unknown: NMB: 1 [1 - **1**] - Harrismith: ?: Collector Unknown: NMB: 9 [9 - **9** - **10**].

Total Specimens for 28 October 1990: 12

29 October 1990

Madagascar: Marovony Forest: Creighton, G. Kenneth; Raholimavo, E.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1990: 1

30 October 1990

Congo (Democratic Republic of the): Masako: Ifuta, Ndey B.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 30 October 1990: 2

5 November 1990

Madagascar: Forêt d'Analalava: Creighton, G. Kenneth: USNM: 2 [2 - **2** - **2**].

Total Specimens for 5 November 1990: 2

6 November 1990

Madagascar: Ampanibe: Creighton, G. Kenneth: USNM: 2 [2 - **2** - **2**].

Total Specimens for 6 November 1990: 2

7 November 1990

Madagascar: Manantenina: Creighton, G. Kenneth: USNM: 46 [46 - **46** - **46**].

Total Specimens for 7 November 1990: 46

11 November 1990

Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1990: 1

14 November 1990

Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1990: 1

15 November 1990

Tanzania: Songwe Valley, Tegemo farm: Sikombe, S.W.: SMF: 1 [1 - **1** - **1**].
Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1990: 2

16 November 1990

Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 November 1990: 2

17 November 1990

Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1990: 1

18 November 1990

South Africa: Point Caravan Park: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Port Edward: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].
Tanzania: Kilindoni Forest strip: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1990: 4

22 November 1990

Uganda: Mubuku - Mahoma River confluence, above: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1990: 1

24 November 1990

Uganda: Mubuku - Mahoma River confluence, above: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 November 1990: 1

25 November 1990

Uganda: Mubuku - Mahoma River confluence, above: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 November 1990: 2

26 November 1990

Tanzania: Kilindoni: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].
Uganda: Mubuku - Mahoma River confluence, above: Stanley, William ("Bill") T.: FMNH: 14 [14 - **14** - **14**].

Total Specimens for 26 November 1990: 15

27 November 1990

South Africa: Golden Gate: ?: Collector Unknown: NMB: 1 [1 - **1**] - Wonderhoek se kloof: ?: Collector Unknown: NMB: 7 [7 - **7** - **8**].
Uganda: Mubuku - Mahoma River confluence, above: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 27 November 1990: 14

28 November 1990

South Africa: Harrismith: ?: Collector Unknown: NMB: 15 [15 - **15**] - Mount Pierre se Kloof: ?: Collector Unknown: NMB: 3 [3 - **3** - **18**].
Uganda: Mubuku - Mahoma River confluence, above: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1990: 19

29 November 1990

Madagascar: Nahampoana: Creighton, G. Kenneth: USNM: 3 [3]; Creighton, G. Kenneth; Raholimavo, E.: USNM: 3 [3 - **6**] - Nahampoana Forest: Creighton, G. Kenneth: USNM: 15 [15 - **15** - **21**].
Uganda: Mubuku - Mahoma River confluence, above: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 29 November 1990: 24

30 November 1990

Uganda: Mubuku - Mahoma River confluence, above: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 30 November 1990: 2

3 December 1990

Madagascar: Beraketa: Creighton, G. Kenneth: USNM: 1 [1 - **1**] - Bevaho: Creighton, G. Kenneth: USNM: 29 [29 - **29** - **30**].

Total Specimens for 3 December 1990: 30

4 December 1990

Uganda: Nyabitaba Hut: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 4 December 1990: 3

5 December 1990

Uganda: Nyabitaba Hut: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 December 1990: 2

7 December 1990

Uganda: Nyabitaba Hut: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1990: 1

9 December 1990

Uganda: Nyabitaba Hut: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1990: 1

11 December 1990

Uganda: Nyabitaba Hut: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 December 1990: 1

27 December 1990

Congo (Democratic Republic of the): Nyabiondo: Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1990: 1

28 December 1990

Congo (Democratic Republic of the): Nyabiondo: Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 28 December 1990: 2

29 December 1990

Congo (Democratic Republic of the): Nyabiondo: Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **1**].
Malawi: Chilinda Camp: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1990: 2

30 December 1990

Congo (Democratic Republic of the): Nyabiondo: Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko: ZMA: 3 [3 - **3** - **3**].
Malawi: Karonga beach: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 30 December 1990: 5

1 January 1991

Congo (Democratic Republic of the): Nyabiondo: Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2**] - Wafanya: Lootens, P.: RMCA: 7 [7 - **7** - **9**].
Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - Mbevo Hills: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **2**].
South Africa: Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Sudan: Khartoum state: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].
Tanzania: Ruvuma region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 1 January 1991: 17

8 January 1991

South Africa: Skukuza: Venter, F.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1991: 1

18 January 1991

Tanzania: Kazimzumbwi forest reserve: Cockle, Anya: SMF: 1 [1]; Howell, Kim M.: FMNH: 1 [1 - **2** - **2**].

Total Specimens for 18 January 1991: 2

19 January 1991

South Africa: Skukuza: ?: Collector Unknown: TM: 6 [6 - **6**] - Skukuza lab buildings: ?: Collector Unknown: TM: 1 [1 - **1** - **7**].

Total Specimens for 19 January 1991: 7

20 January 1991

South Africa: Sabie river bank: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].
Tanzania: Kazimzumbwi forest reserve: Cockle, Anya: SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1991: 5

21 January 1991

South Africa: Sabie river bank: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **2**].

Total Specimens for 21 January 1991: 2

1 February 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
Mauritius: Rodrigues Island: ?: Collector Unknown: NMR: 1 [1 - **1** - **1**].

South Africa: Farm Schulpfontien No.472, 16km NW: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1991: 3

2 February 1991

South Africa: Farm Schulpfontien No.472, 16km NW: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 1991: 1

4 February 1991

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 February 1991: 1

6 February 1991

South Africa: Goegap Nature Reserve: ?: Collector Unknown: TM: 1 [1]; Bronner, Gary Neil; Herholdt: TM: 1 [1 - **2** - **2**].

Total Specimens for 6 February 1991: 2

10 February 1991

Tanzania: Kazimzumbwi forest reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1991: 1

11 February 1991

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1991: 1

21 February 1991

South Africa: Umgeni Fish Hatchery: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1991: 1

23 February 1991

Tanzania: Ruvu South Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1991: 1

26 February 1991

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 February 1991: 1

1 March 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 March 1991: 2

8 March 1991

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1991: 1

11 March 1991

Tanzania: Kazimzumbwi forest reserve: Cockle, Anya: SMF: 1 [1 - **1**] - Pwani region: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].

Total Specimens for 11 March 1991: 3

14 March 1991

South Africa: Kranzkloof Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1991: 1

15 March 1991

South Africa: Kranzkloof Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1991: 1

1 April 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 April 1991: 2

3 April 1991

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 3 April 1991: 2

4 April 1991

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 8 [8 - **8** - **8**].

Total Specimens for 4 April 1991: 8

5 April 1991

Kenya: Kyamunyuu: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1991: 1

6 April 1991

Kenya: Kalonduni: Ithia, Julius M.K.: ROM: 6 [6 - **6**] - Kamuuani: Ithia, Julius M.K.: ROM: 4 [4 - **4**] - Kyamunyuu: Ithia, Julius M.K.: ROM: 10 [10 - **10** - **20**].

Total Specimens for 6 April 1991: 20

13 April 1991

Uganda: Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1991: 1

16 April 1991

South Africa: Skukuza staff village: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].

Total Specimens for 16 April 1991: 3

18 April 1991

South Africa: Mission Rocks: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 18 April 1991: 3

19 April 1991

Uganda: Mubuk river, right bank: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - Nyabitaba Hut: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **3**].

Total Specimens for 19 April 1991: 3

20 April 1991

Burundi: Nyamugari hill: Davenport, L.: FMNH: 1 [1 - **1** - **1**].
Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Uganda: Nyabitaba Hut: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1991: 3

22 April 1991

Uganda: Nyabitaba Hut: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1991: 1

25 April 1991

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1991: 1

26 April 1991

Uganda: John Mate Camp: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 26 April 1991: 7

27 April 1991

Uganda: John Mate Camp: Kerbis Peterhans, Julian C.: FMNH: 13 [13 - **13** - **13**].

Total Specimens for 27 April 1991: 13

29 April 1991

Uganda: John Mate Camp: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 29 April 1991: 3

1 May 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 7 [7 - **7** - **7**].
Mali: Niono: van Woersem, I.: ZMA: 1 [1 - **1** - **1**].
South Africa: De Hoek Forest Station: Bronner, Gary Neil: TM: 1 [1 - **1**] - Zwartkop Military Nature Reserve: Bronner, Gary Neil: TM: 2 [2 - **2** - **3**].
Sudan: Khartoum state: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1991: 12

2 May 1991

South Africa: De Hoek Forest Station: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1991: 1

3 May 1991

South Africa: De Hoek Forest Station: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1991: 1

16 May 1991

South Africa: Transvaal Museum workshop: Harding, M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 May 1991: 1

30 May 1991

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 30 May 1991: 6

1 June 1991

Kenya: Kyamunyuu: Ithia, Julius M.K.: ROM: 6 [6 - **6**] - Kyanguli: Ithia, Julius M.K.: ROM: 5 [5 - **5** - **11**].
Sudan: Khartoum state: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1991: 12

2 June 1991

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - Kyamunyuu: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - Muumandu: Ithia, Julius M.K.: ROM: 3 [3 - **3** - **5**].

Total Specimens for 2 June 1991: 5

7 June 1991

Seychelles: Mahe Island: Hollander, H.; Van der Glas, M.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 7 June 1991: 2

10 June 1991

Cameroon: Bake river bridge: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Total Specimens for 10 June 1991: 2

18 June 1991

South Africa: Mantuma Camp: Goodman, P.S.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1991: 1

27 June 1991

Congo (Democratic Republic of the): Epulu: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - Epulu, 2 km W: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **3**].
South Africa: Zastron: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 27 June 1991: 4

28 June 1991

Congo (Democratic Republic of the): Epulu, 2 km W: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1991: 1

29 June 1991

Congo (Democratic Republic of the): Epulu, 2 km W: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 June 1991: 2

30 June 1991

Kenya: Kyanguli: Ithia, Julius M.K.: ROM: 10 [10 - **10** - **10**].

Total Specimens for 30 June 1991: 10

1 July 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].
Kenya: Kalonduni: Ithia, Julius M.K.: ROM: 3 [3 - **3** - **3**].
Namibia: Windhoek: Kompanje, Erwin J.O.: NMR: 2 [2 - **2** - **2**].
Sudan: Khartoum state: ?: Collector Unknown: SMF: 1 [1]; DeWinton, W.E.: SMF: 1 [1 - **2** - **2**].
Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 1 [1 - **1**] - Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 1 July 1991: 11

2 July 1991

Congo (Democratic Republic of the): Epulu, 2 km W: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7** - **7**].
Kenya: Kalonduni: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1991: 8

3 July 1991

Congo (Democratic Republic of the): Epulu, 2 km W: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].

Tanzania: Ambangulu Estate: ?: Collector Unknown: FMNH: 1 [1]; Goodman, Steven M.: FMNH: 12 [12 - **13**] - Korogwe, 12.5 km NW: Goodman, Steven M.: FMNH: 2 [2 - **2** - **15**].

Total Specimens for 3 July 1991: 17

4 July 1991

Congo (Democratic Republic of the): Epulu, 2 km W: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].
Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 5 [5 - **5**] - Korogwe, 12.5 km NW: Goodman, Steven M.: FMNH: 2 [2 - **2** - **7**].

Total Specimens for 4 July 1991: 9

5 July 1991

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 3 [3 - **3**] - Korogwe, 12.5 km NW: Goodman, Steven M.: FMNH: 1 [1 - **1** - **4**].

Total Specimens for 5 July 1991: 4

6 July 1991

Congo (Democratic Republic of the): Epulu: Kerbis Peterhans, Julian C.: FMNH: 10 [10 - **10**] - Epulu, 2 km W: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **11**].
South Africa: New Germany: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1991: 12

7 July 1991

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 July 1991: 1

13 July 1991

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 13 July 1991: 4

14 July 1991

Congo (Democratic Republic of the): Epulu, 2 km W: : FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1991: 1

15 July 1991

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1991: 1

20 July 1991

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 July 1991: 2

22 July 1991

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 22 July 1991: 2

23 July 1991

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1991: 1

25 July 1991

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1991: 1

26 July 1991

Kenya: Tiwi Beach: McLellan, L.J.: USNM: 2 [2 - **2** - **2**].
Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1991: 3

28 July 1991

Kenya: Tiwi Beach: McLellan, L.J.: USNM: 2 [2 - **2** - **2**].
Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 July 1991: 5

29 July 1991

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1991: 1

30 July 1991

Burundi: Giserama Colline: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 30 July 1991: 3

31 July 1991

Burundi: Giserama Colline: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 31 July 1991: 3

1 August 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1991: 1

2 August 1991

Burundi: Giserama Colline: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].
Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1991: 3

3 August 1991

Burundi: Giserama Colline: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1991: 1

5 August 1991

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1991: 1

8 August 1991

Kenya: Aiuumandu Hills: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].
Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 August 1991: 3

9 August 1991

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1 - **1**] - Zaraninge-Kiano forest reserve: Cockle, Anya: SMF: 1 [1 - **1** - **2**].

Total Specimens for 9 August 1991: 2

10 August 1991

Burundi: Giserama Colline: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 August 1991: 2

11 August 1991

Burundi: Giserama Colline: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1991: 1

12 August 1991

Burundi: Giserama Colline: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Zaraninge-Kiano forest reserve: Cockle, Anya: SMF: 1 [1 - **1** - **2**].

Total Specimens for 12 August 1991: 3

14 August 1991

Tanzania: Genda Genda South Forest Reserve: Hart, A.: SMF: 1 [1 - **1**] - Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 14 August 1991: 2

17 August 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1991: 1

21 August 1991

South Africa: Pongolapoort Dam: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1991: 1

22 August 1991

Tanzania: Tanga region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 22 August 1991: 3

23 August 1991

Burundi: Giserama Colline: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1991: 1

28 August 1991

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 28 August 1991: 1

29 August 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1991: 3

30 August 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1991: 1

1 September 1991

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1991: 1

2 September 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 2 September 1991: 2

4 September 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 4 [4 - **4** - **4**].
Tanzania: Mkwaja Ranch Forests: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1991: 5

6 September 1991

Tanzania: Kilimanjaro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1991: 1

7 September 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 September 1991: 3

10 September 1991

Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 10 September 1991: 2

12 September 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 4 [4 - **4** - **4**].

Total Specimens for 12 September 1991: 4

14 September 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 14 September 1991: 3

17 September 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 17 September 1991: 2

19 September 1991

Kenya: Kyanguli: Ithia, Julius M.K.: ROM: 3 [3 - **3** - **3**].

Total Specimens for 19 September 1991: 3

20 September 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 20 September 1991: 2

22 September 1991

Madagascar: Toliara province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 September 1991: 1

23 September 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 September 1991: 1

25 September 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 25 September 1991: 7

28 September 1991

Tanzania: Kilimanjaro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1991: 1

2 October 1991

"Africa": Unknown locality: Zoological Garden Antwerp: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 October 1991: 1

3 October 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 3 October 1991: 2

7 October 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 7 October 1991: 2

10 October 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 October 1991: 1

11 October 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 11 October 1991: 1

12 October 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 9 [9 - **9** - **9**].
Tanzania: Genda Genda South Forest Reserve: Cockle, Anya: SMF: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1991: 10

14 October 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1991: 1

16 October 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].
Lesotho: Thaba-Tseka: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 16 October 1991: 5

17 October 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1991: 1

18 October 1991

Tanzania: Genda Genda South Forest Reserve: Cockle, Anya: SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1991: 1

19 October 1991

Kenya: Mbevo Hills: Ithia, Julius M.K.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 19 October 1991: 7

20 October 1991

Kenya: Mbevo Hills: Ithia, Julius M.K.: ROM: 6 [6 - **6** - **6**].

Total Specimens for 20 October 1991: 6

21 October 1991

Kenya: Mbevo Hills: Ithia, Julius M.K.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 21 October 1991: 4

26 October 1991

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1991: 5

29 October 1991

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 29 October 1991: 1

1 November 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 5 [5 - **5** - **5**].
South Africa: Albert Falls Resource Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 November 1991: 7

6 November 1991

South Africa: Shepstone Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 6 November 1991: 2

10 November 1991

Kenya: Mbevo Hills: Ithia, Julius M.K.: ROM: 5 [5 - **5**] - Muumandu: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **6**].

Total Specimens for 10 November 1991: 6

11 November 1991

Lesotho: Quthing: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1991: 1

12 November 1991

Lesotho: Quthing: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 12 November 1991: 1

13 November 1991

Lesotho: Quthing: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Tanzania: Tanga: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 November 1991: 2

20 November 1991

Kenya: Muumandu Market: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1991: 1

21 November 1991

Kenya: Kyanguli: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1991: 1

23 November 1991

Madagascar: Toliara province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1991: 1

27 November 1991

Madagascar: Toliara province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1991: 1

28 November 1991

Tanzania: Genda Genda South Forest Reserve: Cockle, Anya: SMF: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1991: 1

1 December 1991

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 15 [15 - **15** - **15**].

Total Specimens for 1 December 1991: 15

3 December 1991

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 3 December 1991: 2

5 December 1991

South Africa: Skukuza: Strydom, G.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 5 December 1991: 1

6 December 1991

South Africa: Mount Moreland: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1991: 1

9 December 1991

Rwanda: Kibumbu crater, caves 2 and 3: Wilson, J.R.; Hutson, Anthony Michael: BMNH: 13 [13 - **13** - **13**].

Total Specimens for 9 December 1991: 13

12 December 1991

Kenya: Kalanzoni: Ithia, Julius M.K.: ROM: 9 [9 - **9** - **9**].
Lesotho: Semonkong: ?: Collector Unknown: NMB: 20 [20 - **20** - **20**].

Total Specimens for 12 December 1991: 29

13 December 1991

Kenya: Kalanzoni: Ithia, Julius M.K.: ROM: 11 [11 - **11** - **11**].

Total Specimens for 13 December 1991: 11

16 December 1991

Kenya: Kamuuani: Ithia, Julius M.K.: ROM: 3 [3 - **3**] - Konza Farm: Ithia, Julius M.K.: ROM: 19 [19 - **19**] - Muumandu Market: Ithia, Julius M.K.: ROM: 21 [21 - **21** - **43**].

Total Specimens for 16 December 1991: 43

17 December 1991

Kenya: Eastern [former] province: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - Muumandu Market: Ithia, Julius M.K.: ROM: 8 [8 - **8** - **9**].

Total Specimens for 17 December 1991: 9

20 December 1991

Kenya: Muumandu Market: Ithia, Julius M.K.: ROM: 10 [10 - **10** - **10**].

Total Specimens for 20 December 1991: 10

1 January 1992

Congo (Democratic Republic of the): Make: Tshinyenye: RMCA: 1 [1 - **1**] - Wafanya: Lootens, P.: RMCA: 6 [6 - **6** - **7**].
Tanzania: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Total Specimens for 1 January 1992: 10

2 January 1992

South Africa: Queen Elizabeth Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1992: 1

13 January 1992

Ghana: Shai Hills Resource Reserve: Decher, Jan: CM: 7 [7 - **7** - **7**].

Total Specimens for 13 January 1992: 7

18 January 1992

Ghana: Shai Hills Resource Reserve: Decher, Jan: CM: 2 [2 - **2** - **2**].

Total Specimens for 18 January 1992: 2

23 January 1992

Ghana: Shai Hills Resource Reserve: Decher, Jan: CM: 1 [1 - **1** - **1**].
Tanzania: Muheza Forest, Tongwe Forest Reserve: Cockle, Anya: SMF: 1 [1 - **1** - **1**].

Total Specimens for 23 January 1992: 2

24 January 1992

South Africa: Garden Castle Nature Reserve: Taylor, Peter John: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 24 January 1992: 2

25 January 1992

South Africa: Howick: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1992: 1

26 January 1992

Cameroon: Bali: Van Neer, Wim; Doutrelepont, Hughes: RMCA: 1 [1 - **1** - **1**].
Kenya: Mt. Elgon-NP, Chepnyalil Cave: Merkl, O.: HNHM: 5 [5 - **5** - **5**].

South Africa: Luckhoff: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 26 January 1992: 8

27 January 1992

South Africa: Lotheni Nature Reserve: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].
Tanzania: Tongwe Forest Reserve: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1992: 6

29 January 1992

Lesotho: Quacha's Neck [= White Hill]: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].
South Africa: Lotheni Nature Reserve: ?: Collector Unknown: DNSM: 9 [9 - **9** - **9**].

Total Specimens for 29 January 1992: 12

5 February 1992

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1992: 1

6 February 1992

"Africa": Unknown locality: Zoological Garden Antwerp: RMCA: 1 [1 - **1** - **1**].
South Africa: Bellair: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1992: 2

9 February 1992

Egypt: Abu Rawash: Hunter in house: CM: 2 [2 - **2** - **2**].

Total Specimens for 9 February 1992: 2

10 February 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 10 February 1992: 2

13 February 1992

Côte d'Ivoire: Parc National de Tai: Lim, Burton K.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 13 February 1992: 4

14 February 1992

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 February 1992: 1

15 February 1992

Côte d'Ivoire: Parc National de Tai: Lim, Burton K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for 15 February 1992: 1

16 February 1992

Côte d'Ivoire: Parc National de Tai: Lim, Burton K.: ROM: 4 [4 - **4** - **4**].

Total Specimens for 16 February 1992: 4

17 February 1992

Côte d'Ivoire: Parc National de Tai: Lim, Burton K.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 17 February 1992: 2

18 February 1992

Côte d'Ivoire: Parc National de Tai: Lim, Burton K.: ROM: 2 [2 - **2** - **2**].

Total Specimens for 18 February 1992: 2

20 February 1992

Lesotho: Oxbow: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1992: 2

21 February 1992

Côte d'Ivoire: Parc National de Mont Peko: Lim, Burton K.: ROM: 19 [19 - **19** - **19**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1992: 20

22 February 1992

Côte d'Ivoire: Parc National de Mont Peko: Lim, Burton K.: ROM: 7 [7 - **7** - **7**].

Total Specimens for 22 February 1992: 7

23 February 1992

Côte d'Ivoire: Parc National de Mont Peko: Lim, Burton K.: ROM: 5 [5 - **5** - **5**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1992: 6

24 February 1992

Côte d'Ivoire: Parc National de Mont Peko: Lim, Burton K.: ROM: 11 [11 - **11** - **11**].

Total Specimens for 24 February 1992: 11

25 February 1992

Tanzania: Amboni Cave Forest: Stubblefield, L.: SMF: 1 [1 - **1**] - Kilulu Hill: Cockle, Anya: SMF: 1 [1 - **1** - **2**].

Total Specimens for 25 February 1992: 2

26 February 1992

South Africa: Garden Castle Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 26 February 1992: 2

27 February 1992

Côte d'Ivoire: Parc National de Tai: Lim, Burton K.: ROM: 2 [2 - **2** - **2**].
Tanzania: Amboni Cave Forest: Stubblefield, L.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 February 1992: 3

1 March 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 15 [15 - **15** - **15**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1992: 16

2 March 1992

South Africa: Mkuzi Game Reserve: Goodman, P.S.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 March 1992: 1

5 March 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Lesotho: Sehonghong: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 5 March 1992: 3

6 March 1992

South Africa: Park Rynie: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Skukuza, 7 km E: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **2**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 March 1992: 3

10 March 1992

Lesotho: Sehonghong: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 10 March 1992: 2

12 March 1992

Liberia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 12 March 1992: 2

13 March 1992

South Africa: Skukuza Staff Picnic site: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **4** - **4**].

Total Specimens for 13 March 1992: 4

15 March 1992

South Africa: Garden Castle Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1992: 1

17 March 1992

South Africa: Skukuza: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 17 March 1992: 3

18 March 1992

Liberia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 18 March 1992: 2

20 March 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 6 [6 - **6** - **6**].

Total Specimens for 20 March 1992: 6

22 March 1992

Liberia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1992: 2

31 March 1992

Burundi: Giserama Colline: Davenport, L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1992: 1

1 April 1992

Burundi: Kwogofe Colline: Davenport, L.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 9 [9 - **9** - **9**].

Total Specimens for 1 April 1992: 10

3 April 1992

Burundi: Kwogofe Colline: Davenport, L.: FMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Karambi: ?: Collector Unknown: ZMA: 1 [1]; Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **3** - **3**].

Total Specimens for 3 April 1992: 5

4 April 1992

Burundi: Kwogofe Colline: Davenport, L.: FMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Karambi: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **1**].
South Africa: Trompburg town: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1992: 4

5 April 1992

Burundi: Kwogofe Colline: Davenport, L.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 April 1992: 2

6 April 1992

Congo (Democratic Republic of the): Karambi: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 6 April 1992: 2

8 April 1992

Burundi: Kwogofe Colline: Davenport, L.: FMNH: 2 [2 - **2** - **2**].
Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1992: 3

9 April 1992

Burundi: Kwogofe Colline: Davenport, L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 April 1992: 1

10 April 1992

Burundi: Kwogofe Colline: Davenport, L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 April 1992: 1

11 April 1992

Burundi: Kwogofe Colline: Davenport, L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1992: 1

12 April 1992

Burundi: Kwogofe Colline: Davenport, L.: FMNH: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Lwana: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1992: 2

15 April 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1992: 1

18 April 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 18 April 1992: 2

19 April 1992

Congo (Democratic Republic of the): Lwana River: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1992: 1

20 April 1992

Congo (Democratic Republic of the): Malembe: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1**] - Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 20 April 1992: 3

21 April 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
South Africa: Botha's Hill, Rob Roy Hotel: Bronner, Gary Neil: TM: 4 [4 - **4** - **4**].

Total Specimens for 21 April 1992: 5

26 April 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 26 April 1992: 3

27 April 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 27 April 1992: 3

28 April 1992

Congo (Democratic Republic of the): Lai Lay: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2**] - Wafanya: Lootens, P.: RMCA: 8 [8 - **8** - **10**].

Total Specimens for 28 April 1992: 10

29 April 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1992: 1

1 May 1992

Congo (Democratic Republic of the): Musenge: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2**] - Wafanya: Lootens, P.: RMCA: 4 [4 - **4** - **6**].
South Africa: Clairwood Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Mafia Island: Howell, Kim M.: SMF: 3 [3 - **3** - **3**].

Total Specimens for 1 May 1992: 10

2 May 1992

Congo (Democratic Republic of the): Musenge: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 2 May 1992: 2

3 May 1992

Congo (Democratic Republic of the): Musenge: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 3 May 1992: 1

4 May 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 4 May 1992: 2

6 May 1992

Congo (Democratic Republic of the): Musenge: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **2**].
South Africa: Jacobsdal: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1992: 3

8 May 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 8 May 1992: 1

10 May 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 10 May 1992: 2

12 May 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1992: 1

14 May 1992

Tanzania: Kanga Ngome Forest: Howell, Kim M.: FMNH: 1, SMF: 2 [3 - **3** - **3**].

Total Specimens for 14 May 1992: 3

18 May 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 18 May 1992: 2

19 May 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 19 May 1992: 3

26 May 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 8 [8 - **8** - **8**].

Total Specimens for 26 May 1992: 8

27 May 1992

South Africa: Glenashley: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 May 1992: 1

28 May 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 28 May 1992: 1

29 May 1992

Congo (Democratic Republic of the): Wafanya: Lootens, P.: RMCA: 11 [11 - **11** - **11**].

Total Specimens for 29 May 1992: 11

4 June 1992

Congo (Democratic Republic of the): Haute Congo: Rotterdamse Diergaarde, The: RMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 June 1992: 1

12 June 1992

Congo (Democratic Republic of the): Lwana: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 12 June 1992: 1

1 July 1992

South Africa: St. Lucia Forest Station: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1992: 1

4 July 1992

Tanzania: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1992: 1

8 July 1992

South Africa: Skukuza: Misselhorn, R.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1992: 1

9 July 1992

Kenya: Tiwi Beach: McLellan, L.J.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 9 July 1992: 2

11 July 1992

Tanzania: Tanga: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1992: 1

20 July 1992

South Africa: Nylsvlei Provincal Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1992: 1

24 July 1992

Tanzania: Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Somanga: Howell, Kim M.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 24 July 1992: 2

25 July 1992

South Africa: Lister Point Camp: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
Tanzania: East Usambara Mts, Monga Tea Estate: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1992: 4

26 July 1992

South Africa: Lister Point Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: East Usambara Mts, Monga Tea Estate: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1992: 2

27 July 1992

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 2 [2]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **3** - **3**].

Total Specimens for 27 July 1992: 3

28 July 1992

South Africa: Lister Point Camp: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1992: 6

30 July 1992

Tanzania: East Usambara Mts, Monga Tea Estate: ?: Collector Unknown: FMNH: 1 [1]; Goodman, Steven M.: FMNH: 1 [1 - **2** - **2**].

Total Specimens for 30 July 1992: 2

1 August 1992

Tanzania: Kigoma region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Tong'omba Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 1 August 1992: 3

2 August 1992

Madagascar: Mahajanga province: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **2** - **2**].

Total Specimens for 2 August 1992: 4

4 August 1992

Tanzania: East Usambara Mts, Monga Tea Estate: ?: Collector Unknown: FMNH: 1 [1]; Goodman, Steven M.: FMNH: 4 [4]; Stanley, William ("Bill") T.: FMNH: 2 [2 - **7** - **7**].

Total Specimens for 4 August 1992: 7

5 August 1992

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 13 [13]; Stanley, William ("Bill") T.: FMNH: 2 [2 - **15**] - Lindi region: ?: Collector Unknown: SMF: 3 [3 - **3** - **18**].

Total Specimens for 5 August 1992: 18

7 August 1992

Tanzania: Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Tong'omba Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 7 August 1992: 2

8 August 1992

Tanzania: Tong'omba Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1992: 1

9 August 1992

Burundi: Nyagatarugwa River Valley: Davenport, L.: FMNH: 9 [9 - **9** - **9**].
Tanzania: Bulwa Tea Estate: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 August 1992: 11

10 August 1992

Burundi: Nyagatarugwa River Valley: Davenport, L.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Bulwa Tea Estate: Goodman, Steven M.: FMNH: 5 [5]; Stanley, William ("Bill") T.: FMNH: 2 [2 - **7** - **7**].

Total Specimens for 10 August 1992: 8

11 August 1992

Angola: Natundabala River [=Tunda Vala gorge]: Juste, Javier: EBD: 8 [8 - **8** - **8**].
Tanzania: Bulwa Tea Estate: Goodman, Steven M.: FMNH: 1 [1]; Stanley, William ("Bill") T.: FMNH: 1 [1]; Stanley, William T. [=Bill]; Goodman, Steven M.: FMNH: 1 [1 - **3**] - Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1** - **4**].

Total Specimens for 11 August 1992: 12

12 August 1992

Congo (Democratic Republic of the): Make: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Guinea: Guinée Forestière, border of "Réserve de la Biosphère du Massif du Ziama": Vierhaus, Henning: ZFMK: 1 [1 - **1** - **1**].
South Africa: Orange River Station: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Tanzania: Tong'omba Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1992: 4

13 August 1992

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1992: 1

14 August 1992

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1]; Goodman, Steven M.; Stanley, William T. [=Bill]: FMNH: 1 [1 - **2** - **2**].

Total Specimens for 14 August 1992: 2

15 August 1992

Tanzania: Tong'omba Forest Reserve: Stubblefield, L.; Frontier-Project, the: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1992: 1

16 August 1992

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 16 August 1992: 5

17 August 1992

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 2 [2]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **3** - **3**].

Total Specimens for 17 August 1992: 4

19 August 1992

Angola: Capelopopo: Juste, Javier: EBD: 3 [3 - **3** - **3**].

Total Specimens for 19 August 1992: 3

20 August 1992

Congo (Democratic Republic of the): Bombo Lumene: Tshinyenye: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 20 August 1992: 5

23 August 1992

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 August 1992: 2

29 August 1992

Angola: Kissama [=Quiçama] cave: Juste, Javier: EBD: 3 [3 - **3** - **3**].
Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 3 [3]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **4** - **4**].

Total Specimens for 29 August 1992: 7

30 August 1992

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 1 [1]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **2**] - Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Namakutwa Forest Reserve: Howell, Kim M.: FMNH: 3 [3 - **3**] - Tong'omba Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **7**].

Total Specimens for 30 August 1992: 7

31 August 1992

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 August 1992: 1

1 September 1992

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 5 [5]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **6**] - Korogwe, 12.5 km NW: Goodman, Steven M.: FMNH: 2 [2 - **2** - **8**].

Total Specimens for 1 September 1992: 8

2 September 1992

Tanzania: Ambangulu Estate: Goodman, Steven M.: FMNH: 9 [9]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **10**] - Korogwe, 12.5 km NW: Goodman, Steven M.: FMNH: 1 [1 - **1** - **11**].

Total Specimens for 2 September 1992: 11

3 September 1992

Tanzania: Ambangulu Estate: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1992: 1

4 September 1992

Tanzania: Ambangulu Estate: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1992: 1

5 September 1992

Tanzania: Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1**] - Nyamuhoro valley: Clarke, Ph.; *et al.*: SMF: 1 [1 - **1** - **2**].

Total Specimens for 5 September 1992: 2

8 September 1992

Tanzania: Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1992: 1

17 September 1992

South Africa: Hanover: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Total Specimens for 17 September 1992: 3

12 October 1992

"Africa": Unknown locality: Zoological Garden Antwerp: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1992: 1

20 October 1992

Lesotho: Botsoela [= Malealea]: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1992: 1

21 October 1992

Lesotho: Botsoela [= Malealea]: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
South Africa: Baviaanspoort Sewage Works: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 21 October 1992: 3

22 October 1992

Tanzania: Tong'amba forest reserve: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 October 1992: 1

30 October 1992

Congo (Democratic Republic of the): Make: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1992: 1

1 November 1992

Congo (Democratic Republic of the): Make: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
South Africa: Glenhills: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Royal Natal National Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 1 November 1992: 3

10 November 1992

South Africa: Weenen Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1992: 1

15 November 1992

South Africa: Weenen Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 November 1992: 1

17 November 1992

Congo (Democratic Republic of the): Make: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1992: 1

18 November 1992

South Africa: Royal Natal National Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 18 November 1992: 1

20 November 1992

South Africa: Royal Natal National Park: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 20 November 1992: 2

22 November 1992

Zimbabwe: Lunare valley: Cotterill, F.P.D. [=Woody]: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for 22 November 1992: 1

23 November 1992

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1992: 1

3 December 1992

Cameroon: Campo National Park: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 3 December 1992: 2

9 December 1992

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 December 1992: 1

10 December 1992

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Kisiju island: Stubbefield, L.; Howell, Kim M.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 10 December 1992: 3

12 December 1992

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 12 December 1992: 4

27 December 1992

South Africa: Three Rivers,11 Spey Drive: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1992: 1

1 January 1993

Central African Republic: Unknown locality: Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1993: 1

2 January 1993

Congo (Democratic Republic of the): Kinshasa: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 2 January 1993: 1

20 January 1993

South Africa: Old Picnic Site: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Uganda: Mbale: Ugandan forestry department, The: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 January 1993: 3

24 January 1993

Congo (Democratic Republic of the): Kinshasa: Tshinyenye: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 24 January 1993: 2

26 January 1993

Cameroon: Lomié: Bergmans, Wim; Meier, Florian: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1993: 1

31 January 1993

Cameroon: Lomié: Bergmans, Wim; Meier, Florian: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 31 January 1993: 1

3 February 1993

Congo (Democratic Republic of the): Kinshasa: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1993: 1

5 February 1993

Congo (Democratic Republic of the): Kinshasa: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1993: 1

18 February 1993

South Africa: Queen Elizabeth Park: Wolhuter, David A.; Cassidy, R.J.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1993: 1

19 February 1993

Congo (Democratic Republic of the): Kinshasa: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
South Africa: Glenhills: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Tanzania: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1993: 4

20 February 1993

South Africa: Mantuma Camp: Rushworth, I.: DNSM: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1993: 2

22 February 1993

Congo (Democratic Republic of the): Kinshasa: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
South Africa: Doorndraai Dam Nature Reserve: West, Sean D.: TM: 1 [1 - **1** - **1**].
Tanzania: Ruaha National Park: Klemens, Michael W.; Moehlman, Patricia D.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1993: 3

23 February 1993

South Africa: Doorndraai Dam Nature Reserve: ?: Collector Unknown: TM: 1 [1]; West, Sean D.: TM: 1 [1 - **2** - **2**].

Total Specimens for 23 February 1993: 2

24 February 1993

South Africa: Doorndraai Dam Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1993: 1

25 February 1993

South Africa: Skukuza: Pfleiderer, M.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 25 February 1993: 1

9 March 1993

Burundi: Ruhinga Hill: Udelhoven, Jay L.: FMNH: 5 [5 - **5** - **5**].
South Africa: Enseleni Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 9 March 1993: 7

10 March 1993

Burundi: Ruhinga Hill: Udelhoven, Jay L.: FMNH: 2 [2 - **2** - **2**].
South Africa: Enseleni Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 March 1993: 3

11 March 1993

Burundi: Ruhinga Hill: Udelhoven, Jay L.: FMNH: 6 [6 - **6** - **6**].
South Africa: Hans Strydom Dam Nature Reserve: West, Sean D.: TM: 2 [2 - **2** - **2**].

Total Specimens for 11 March 1993: 8

12 March 1993

Burundi: Ruhinga Hill: Udelhoven, Jay L.: FMNH: 8 [8 - **8** - **8**].
South Africa: Waterberg, Farm Klipfontein 54JS: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tanzania: Dar es Salaam University: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1993: 10

13 March 1993

Burundi: Ruhinga Hill: Udelhoven, Jay L.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 13 March 1993: 6

14 March 1993

South Africa: Messina Nature Reserve, banks of the Sand River: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 1993: 1

15 March 1993

South Africa: Messina Nature Reserve, banks of the Sand River: ?: Collector Unknown: TM: 1 [1]; West, Sean D.: TM: 2 [2 - **3** - **3**].

Total Specimens for 15 March 1993: 3

16 March 1993

South Africa: Messina Nature Reserve, banks of the Sand River: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1993: 1

17 March 1993

South Africa: Messina Nature Reserve, in holow Baobab: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 1993: 1

18 March 1993

South Africa: Percy Fyfe Nature Reserve: West, Sean D.: TM: 2 [2 - **2** - **2**].

Total Specimens for 18 March 1993: 2

19 March 1993

Congo (Democratic Republic of the): Ndjili: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
South Africa: Percy Fyfe Nature Reserve: ?: Collector Unknown: TM: 1 [1]; West, Sean D.: TM: 1 [1 - **2** - **2**].

Total Specimens for 19 March 1993: 3

20 March 1993

South Africa: Percy Fyfe Nature Reserve: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1993: 1

21 March 1993

South Africa: S A Lombaard Nature reserve: Newbery, C.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 March 1993: 1

22 March 1993

Congo (Democratic Republic of the): Ndjili: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1993: 1

27 March 1993

Namibia: Windhoek: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 27 March 1993: 2

1 April 1993

Namibia: Goas: Lootens, P.: RMCA: 1 [1 - **1**] - Richthoven: Lootens, P.: RMCA: 2 [2 - **2** - **3**].
South Africa: Farm Rhenosterfontein: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1993: 4

4 April 1993

Congo (Democratic Republic of the): Ndjili: Tshinyenye: RMCA: 7 [7 - **7** - **7**].

Total Specimens for 4 April 1993: 7

5 April 1993

South Africa: Queen Elizabeth Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 April 1993: 1

13 April 1993

South Africa: Hillcrest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1993: 1

15 April 1993

Congo (Democratic Republic of the): Ndjili: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Madagascar: unspecified locality: Rasolozaka, I.N.; Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 April 1993: 2

17 April 1993

Madagascar: unspecified locality: Goodman, Steven M.; Razolozaka, I.N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 April 1993: 1

18 April 1993

Congo (Democratic Republic of the): Make: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Madagascar: Zombitsy forest: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1993: 2

11 May 1993

South Africa: Mantuma Camp: Rushworth, I.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 May 1993: 1

12 June 1993

Congo: Epéna: Schlitter, Duane Albert: CM: 8 [8 - **8** - **8**].

Total Specimens for 12 June 1993: 8

13 June 1993

Congo: Epéna: Schlitter, Duane Albert: CM: 11 [11 - **11**] - Voka: Schlitter, Duane Albert: CM: 1 [1 - **1** - **12**].

Total Specimens for 13 June 1993: 12

26 June 1993

Congo (Democratic Republic of the): Make: Tshinyenye: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 26 June 1993: 1

28 June 1993

South Africa: Soekmekaar, Groenbult: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 June 1993: 1

11 July 1993

Kenya: Lake Jipe: McLellan, L.J.: USNM: 5 [5 - **5** - **5**].

Total Specimens for 11 July 1993: 5

12 July 1993

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1993: 1

17 July 1993

Tanzania: Kanza village, near: Goodman, Steven M.: FMNH: 10 [10 - **10**] - Lugulu Village, near: Goodman, Steven M.: FMNH: 3 [3 - **3** - **13**].

Total Specimens for 17 July 1993: 13

18 July 1993

South Africa: Barberton, Municipal Camping Site: Bronner, Gary Neil; *et al.*: TM: 1 [1 - **1**] - Chambaire Nursery: Bronner, Gary Neil; *et al.*: TM: 2 [2 - **2** - **3**].
Tanzania: Bombo, 7 km S: Goodman, Steven M.: FMNH: 3 [3]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **4** - **4**].

Total Specimens for 18 July 1993: 7

19 July 1993

Tanzania: Bombo, 7 km S: Goodman, Steven M.: FMNH: 27 [27 - **27** - **27**].

Total Specimens for 19 July 1993: 27

20 July 1993

Tanzania: Bombo, 7 km S: Goodman, Steven M.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 20 July 1993: 9

21 July 1993

Tanzania: Bombo, 7 km S: Goodman, Steven M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 July 1993: 3

22 July 1993

Tanzania: Bombo, 7 km S: Goodman, Steven M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 22 July 1993: 4

23 July 1993

Congo (Democratic Republic of the): Make: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
South Africa: Hluhluwe Game Reserve, Research camp: Bronner, Gary Neil: TM: 2 [2 - **2** - **2**].
Tanzania: Bombo, 7 km S: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1993: 4

24 July 1993

South Africa: Hluhluwe Game Reserve, Research camp: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].
Tanzania: Bombo, 7 km S: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 July 1993: 2

26 July 1993

South Africa: Hazelmere Dam Nature Reserve: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].
Tanzania: Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1993: 2

27 July 1993

Tanzania: Chole Island: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1993: 1

30 July 1993

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1 - **1**] - Litipo Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **2**].

Total Specimens for 30 July 1993: 2

31 July 1993

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 July 1993: 1

1 August 1993

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 August 1993: 3

2 August 1993

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1]; Stanley, William ("Bill") T.: FMNH: 2 [2 - **3** - **3**].

Total Specimens for 2 August 1993: 3

3 August 1993

South Africa: Municipal Bird Sanctuary: Bronner, Gary Neil: TM: 1 [1]; Bronner, Gary Neil; *et al.*: TM: 13 [13 - **14** - **14**].
Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1]; Stanley, William ("Bill") T.: FMNH: 2 [2 - **3**] - Lindi region: ?: Collector Unknown: SMF: 2 [2 - **2** - **5**].

Total Specimens for 3 August 1993: 19

4 August 1993

South Africa: Municipal Bird Sanctuary: Bronner, Gary Neil; *et al.*: TM: 1 [1 - **1** - **1**].
Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 2 [2]; Goodman, Steven M.; Stanley, William T. [=Bill]: FMNH: 1 [1 - **3** - **3**].

Total Specimens for 4 August 1993: 4

5 August 1993

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1993: 1

6 August 1993

South Africa: Municipal Bird Sanctuary: Bronner, Gary Neil: TM: 5 [5 - **5** - **5**].
Tanzania: Litipo Forest Reserve: Frontier Tanzania collection, The: SMF: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1993: 7

7 August 1993

Mauritius: Unknown locality: ?: Collector Unknown: AMNH: 1 [1 - **1** - **1**].
Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 2 [2 - **2**] - Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Total Specimens for 7 August 1993: 4

8 August 1993

Tanzania: East Usambara Mts, Monga Tea Estate: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1993: 1

12 August 1993

Tanzania: Litipo Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1993: 1

16 August 1993

Tanzania: Rondo Forest Reserve: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 August 1993: 1

17 August 1993

Burundi: Mumushwizi Valley: Udelhoven, Jay L.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 August 1993: 1

18 August 1993

Burundi: Mumushwizi Valley: Udelhoven, Jay L.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Ambangulu Estate: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1993: 2

19 August 1993

Tanzania: Ambangulu Estate: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1993: 1

22 August 1993

Tanzania: Ambangulu Estate: Stanley, William ("Bill") T.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 22 August 1993: 10

23 August 1993

Burundi: Mumushwizi Valley: Udelhoven, Jay L.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 23 August 1993: 2

24 August 1993

Burundi: Mumushwizi Valley: Udelhoven, Jay L.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 24 August 1993: 2

25 August 1993

Tanzania: Gonja Forest Reserve: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6**] - Gonja Maore: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **9**].

Total Specimens for 25 August 1993: 9

26 August 1993

Tanzania: Gonja Forest Reserve: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 26 August 1993: 6

27 August 1993

Tanzania: Gonja Forest Reserve: Stanley, William ("Bill") T.: FMNH: 7 [7 - **7**] - Lindi region: ?: Collector Unknown: SMF: 1 [1 - **1** - **8**].

Total Specimens for 27 August 1993: 8

28 August 1993

Tanzania: Gonja Forest Reserve: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6**] - Kilimanjaro Region: ?: Collector Unknown: FMNH: 1 [1 - **1** - **7**].

Total Specimens for 28 August 1993: 7

30 August 1993

Tanzania: Gonja Maore: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 30 August 1993: 3

1 September 1993

Tanzania: Ambangulu Estate: Newmark, William D.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1993: 1

8 September 1993

South Africa: Doorndraai Dam Nature Reserve: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1993: 1

10 September 1993

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].

Total Specimens for 10 September 1993: 2

13 September 1993

Tanzania: Morogoro region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 13 September 1993: 3

16 September 1993

Malawi: Mpalanganga Dam: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - Thondwe: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **3**].

Total Specimens for 16 September 1993: 3

19 September 1993

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 19 September 1993: 1

21 September 1993

Malawi: Zomba Plateau: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].

Total Specimens for 21 September 1993: 2

25 September 1993

Malawi: Zomba town: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 7 [7 - **7** - **7**].

Total Specimens for 25 September 1993: 7

26 September 1993

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].

Total Specimens for 26 September 1993: 2

14 October 1993

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 14 October 1993: 1

23 October 1993

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].

Total Specimens for 23 October 1993: 2

27 October 1993

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1993: 1

2 November 1993

Malawi: Ntchisi Forest Reserve: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1993: 1

3 November 1993

Malawi: Ntchisi Forest Reserve: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 8 [8 - **8** - **8**].

Total Specimens for 3 November 1993: 8

4 November 1993

Malawi: Ntchisi Forest Reserve: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1993: 1

8 November 1993

Malawi: Chipata Camp: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1993: 1

9 November 1993

Malawi: Nkhotakota: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 3 [3 - **3** - **3**].

Total Specimens for 9 November 1993: 3

10 November 1993

Malawi: Nkhotakota: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1993: 1

17 November 1993

Congo (Democratic Republic of the): Kumbi: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 November 1993: 1

25 November 1993

Congo (Democratic Republic of the): Kumbi: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 25 November 1993: 2

5 December 1993

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].

Total Specimens for 5 December 1993: 2

7 December 1993

Congo (Democratic Republic of the): Kumbi: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 7 December 1993: 2

8 December 1993

Malawi: Liwonde National Park: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 8 December 1993: 1

9 December 1993

Congo (Democratic Republic of the): Kumbi: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 9 December 1993: 2

12 December 1993

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1993: 1

13 December 1993

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 7 [7 - **7** - **7**].

Total Specimens for 13 December 1993: 7

14 December 1993

Mozambique: Vumba: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Africa: Hillcrest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 December 1993: 2

21 December 1993

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].

Total Specimens for 21 December 1993: 2

30 December 1993

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1993: 1

1 January 1994

South Africa: Mapelane: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mpumalanga province: ?: Collector Unknown: SMF: 4 [4 - **4**] - Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].

Total Specimens for 1 January 1994: 6

19 January 1994

Malawi: Zomba Plateau: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 4 [4 - **4** - **4**].
Tanzania: Rukwa region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1994: 5

22 January 1994

Malawi: Chagwa dam: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - Zomba Plateau: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 7 [7 - **7** - **8**].
South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Shongweni Resources Reserve: Taylor, Peter John: DNSM: 3 [3 - **3** - **5**].

Total Specimens for 22 January 1994: 13

24 January 1994

South Africa: Wonderkop Nature Reserve: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1994: 1

25 January 1994

South Africa: Wonderkop Nature Reserve: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1994: 1

1 February 1994

Mali: Badalabougou: ?: Collector Unknown: MNHN: 31 [31 - **31**] - Badalabougou quarter: ?: Collector Unknown: MNHN: 9 [9 - **9**] - Samaya: ?: Collector Unknown: MNHN: 2 [2 - **2** - **42**].
Mauritius: Unknown locality: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 1 February 1994: 46

2 February 1994

Tanzania: Kimboza Forest Reserve: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 February 1994: 2

3 February 1994

Malawi: Chimpeni Estate: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].
Tanzania: Kimboza Forest Reserve: Howell, Kim M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 3 February 1994: 5

4 February 1994

Tanzania: Kimboza Forest Reserve: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 4 February 1994: 2

7 February 1994

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - Kapino dam: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **2**].
South Africa: Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 1994: 3

10 February 1994

Malawi: Kapalasa Farm: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1994: 1

11 February 1994

South Africa: Glenmore: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 February 1994: 1

12 February 1994

Mali: Samaya: Tranier, Michel; *et al.*: MNHN: 1 [1 - **1** - **1**].
South Africa: Glenmore: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1994: 2

15 February 1994

Malawi: Liwonde National Park: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].

Total Specimens for 15 February 1994: 2

18 February 1994

Tanzania: Kimboza Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 February 1994: 1

19 February 1994

Tanzania: Ruvu South Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1994: 1

28 February 1994

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 28 February 1994: 2

1 March 1994

Swaziland: Mlawula Nature Reserve: Monadjem, Ara: TM: 1 [1 - **1** - **1**].
Tanzania: Kimboza Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1994: 2

6 March 1994

Côte d'Ivoire: Abengourou department: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 6 March 1994: 3

9 March 1994

South Africa: Umlalazi Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 9 March 1994: 2

11 March 1994

South Africa: Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1994: 1

17 March 1994

South Africa: Morningside: ?: Collector Unknown: DNSM: 7 [7 - **7** - **7**].

Total Specimens for 17 March 1994: 7

20 March 1994

Swaziland: Big Bend: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 March 1994: 1

22 March 1994

Malawi: Thyolo, mount: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 6 [6 - **6** - **6**].

Total Specimens for 22 March 1994: 6

29 March 1994

South Africa: Durban North: Hogan, L.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 March 1994: 1

31 March 1994

Malawi: Thyolo, mount: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 31 March 1994: 1

2 April 1994

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: TM: 2 [2]; Monadjem, Ara: TM: 1 [1 - **3** - **3**].

Total Specimens for 2 April 1994: 3

3 April 1994

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 3 April 1994: 3

8 April 1994

Malawi: Chiromo: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].
Swaziland: Malolotja Nature Reserve: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1994: 3

12 April 1994

South Africa: Chatsworth: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 April 1994: 1

16 April 1994

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Sea View, Durban: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].
Swaziland: Luyengo: Monadjem, Ara: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1994: 4

17 April 1994

Malawi: Dzalanyama Forest Reserve: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 3 [3 - **3** - **3**].

Total Specimens for 17 April 1994: 3

21 April 1994

South Africa: Durban North: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 21 April 1994: 3

23 April 1994

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1994: 1

29 April 1994

Tunisia: Unknown locality: Kock, Dieter: SMF: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1994: 1

30 April 1994

Tunisia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 30 April 1994: 2

4 May 1994

Malawi: Liwonde National Park: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].
South Africa: Tshokwane, 10 km S: Green, R.: KNP: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1994: 2

6 May 1994

Malawi: Liwonde National Park: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1994: 1

7 May 1994

South Africa: Fynnlands: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 7 May 1994: 3

11 May 1994

Malawi: Zomba Plateau: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 5 [5 - **5** - **5**].

Total Specimens for 11 May 1994: 5

21 May 1994

South Africa: Northdene: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 21 May 1994: 3

1 June 1994

South Africa: Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 1994: 1

5 June 1994

Seychelles: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1994: 1

6 June 1994

South Africa: Shashi-Limpopo River confluence: TPA Nature Conservation: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1994: 1

8 June 1994

South Africa: Shashi-Limpopo River confluence: Herholdt, K.: TM: 3 [3]; TPA Nature Conservation: TM: 2 [2 - **5** - **5**].

Total Specimens for 8 June 1994: 5

16 June 1994

South Africa: Farm Wonderfontein 103IQ, Abe Baily Nature Reserve: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 June 1994: 1

20 June 1994

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1994: 1

26 June 1994

South Africa: Glengarry Park: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 26 June 1994: 2

1 July 1994

South Africa: Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1994: 1

4 July 1994

Mauritius: Unknown locality: ?: Collector Unknown: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1994: 1

12 July 1994

Mauritius: Unknown locality: ?: Collector Unknown: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1994: 1

14 July 1994

South Africa: Fauresmith: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 14 July 1994: 1

18 July 1994

Tanzania: Kwambumi Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 July 1994: 1

19 July 1994

Tanzania: Kwambumi Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1994: 1

20 July 1994

Tanzania: Kwambumi Forest Reserve: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 July 1994: 2

22 July 1994

Swaziland: Luyengo: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tanzania: Kwambumi Forest Reserve: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 22 July 1994: 3

2 August 1994

Réunion: Réunion Island: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 2 August 1994: 2

3 August 1994

Tanzania: Chita, 3 km N: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 3 August 1994: 4

6 August 1994

Tanzania: Chita, 3 km N: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 6 August 1994: 2

7 August 1994

Tanzania: Chita, 3 km N: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 7 August 1994: 3

8 August 1994

Tanzania: Chita, 3 km N: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1994: 1

12 August 1994

South Africa: Sunnyside, DeKock Street: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 August 1994: 1

14 August 1994

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1994: 1

15 August 1994

South Africa: Doornkraal Camp Site: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1994: 1

18 August 1994

South Africa: Wonderkop Nature Reserve: Williams, J.: TM: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 August 1994: 2

22 August 1994

Tanzania: South Pare Mts, Chome Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1994: 1

25 August 1994

South Africa: Hlabeni Forest Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: South Pare Mts, Chome Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1994: 2

26 August 1994

Tanzania: South Pare Mts, Chome Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1994: 1

27 August 1994

Tanzania: South Pare Mts, Chome Forest Reserve: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 August 1994: 2

29 August 1994

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1994: 1

3 September 1994

Tanzania: Magrotto Hill: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 September 1994: 1

10 September 1994

South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1994: 1

16 September 1994

Mozambique: Moebase: Whiting, M.J.; Branch, W.R;.Branch, T.C.: TM: 1 [1 - **1** - **1**].
South Africa: Durban North: ?: Collector Unknown: DNSM: 3 [3]; Anderson, P.: DNSM: 1 [1 - **4**] - Suikerbosrand [=Suikerboschrand] Nature Reserve: West, Sean D.: TM: 1 [1 - **1** - **5**].

Total Specimens for 16 September 1994: 6

17 September 1994

South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1994: 1

27 September 1994

South Africa: Kingsburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 September 1994: 1

8 October 1994

South Africa: Bonamanzi Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 October 1994: 1

16 October 1994

Tanzania: Mlumbaji Stream camp: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 October 1994: 1

17 October 1994

Tanzania: Kihansi Stream area: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 October 1994: 1

19 October 1994

South Africa: Qwa-Qwa National Park: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 19 October 1994: 1

21 October 1994

Tanzania: Kihansi Airstrip: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1994: 1

23 October 1994

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Tanzania: Kihansi Airstrip: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Uganda: Ishasha Road, 0.5 km S: McCaul, J.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 October 1994: 4

27 October 1994

Uganda: Maramagambo Forest Reserve South: Harney, Barbara A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1994: 1

28 October 1994

Uganda: Maramagambo Forest Reserve South: Harney, Barbara A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 October 1994: 1

1 November 1994

Congo: Mboko: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1994: 1

2 November 1994

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1994: 1

5 November 1994

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 5 November 1994: 2

10 November 1994

South Africa: Farm Nooitgedacht 508: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1994: 1

14 November 1994

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 14 November 1994: 3

17 November 1994

Uganda: Bwambara, 8 km N, below Bwentale Camp: Harney, Barbara A.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 17 November 1994: 2

19 November 1994

Zimbabwe: Mana Pools-NP, Mondo River, S boundary: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Total Specimens for 19 November 1994: 2

21 November 1994

Zimbabwe: Mana Pools-NP, Rukameshi River on SN Game Fence: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1994: 1

26 November 1994

Uganda: Ishasha, 5 km E: Harney, Barbara A.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 26 November 1994: 2

28 November 1994

Zimbabwe: Tetse fly gate: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1994: 1

7 December 1994

South Africa: Eshowe: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1994: 1

20 December 1994

Namibia: Oakwengaga: Lootens, P.: RMCA: 5 [5 - **5** - **5**].

Total Specimens for 20 December 1994: 5

21 December 1994

Namibia: Okatana: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 21 December 1994: 2

28 December 1994

South Africa: Nagle Dam: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 28 December 1994: 5

1 January 1995

"Africa": Unknown locality: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1995: 1

10 January 1995

South Africa: Harold Johnson Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1995: 1

11 January 1995

South Africa: Matjies Vlei: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 January 1995: 1

15 January 1995

South Africa: Hilton: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 1995: 1

16 January 1995

South Africa: Queenswood: Schribante, Mrs.: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 1995: 1

19 January 1995

South Africa: Waterfall: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1995: 1

24 January 1995

South Africa: Skoenmakerskop: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 January 1995: 1

25 January 1995

South Africa: Wolwespruit Nature Reserve: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1995: 1

27 January 1995

South Africa: Farm Kaalfontein 261, Ubumanzi Game Farm: Bronner, Gary Neil: TM: 3 [3 - **3** - **3**].

Total Specimens for 27 January 1995: 3

3 February 1995

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 February 1995: 1

8 February 1995

Uganda: Bwindi-Impenetrable National Park: Prep Lab Catalogue: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1995: 1

9 February 1995

South Africa: Renishaw: Seamark, Ernest Charles James: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1995: 1

13 February 1995

South Africa: Umhlanga Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1995: 1

16 February 1995

Tanzania: Kwamgumi Forest Reserve: Bayliss, Julian: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1995: 1

20 February 1995

Tanzania: Kwambumi Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 February 1995: 1

21 February 1995

South Africa: Rooiberg, Tin mine: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1995: 1

25 February 1995

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 25 February 1995: 2

1 March 1995

South Africa: Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1995: 1

4 March 1995

Tanzania: Kimboza Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 March 1995: 1

5 March 1995

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1995: 1

8 March 1995

Tanzania: Kwambumi Forest Reserve: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 March 1995: 2

9 March 1995

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1995: 1

11 March 1995

South Africa: Olifantsfontein, 42 Oribi Ave: Dehning, C.: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 March 1995: 1

19 March 1995

South Africa: Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Arusha National Park: Mturi, F.A.: AMNH: 8 [8 - **8**] - Tanangire National Park: Mturi, F.A.: AMNH: 1 [1 - **1** - **9**].

Total Specimens for 19 March 1995: 10

21 March 1995

Tanzania: Kwambumi Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 21 March 1995: 2

27 March 1995

South Africa: Farm Kaalfontein 261, Ubumanzi Game Farm: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 March 1995: 1

1 April 1995

South Africa: Kamberg Nature Reserve: ?: Collector Unknown: DNSM: 1 [1]; Taylor, Peter John: DNSM: 1 [1 - **2** - **2**].

Total Specimens for 1 April 1995: 2

2 April 1995

Ethiopia: Wereta-Weldiya Road: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for 2 April 1995: 1

10 April 1995

South Africa: Spioenkop Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Tembe Elephant Park: ?: Collector Unknown: TM: 2 [2 - **2** - **4**].

Total Specimens for 10 April 1995: 4

11 April 1995

South Africa: Buzzard Mountain Retreat: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1995: 1

18 April 1995

South Africa: Bonamanzi Game Reserve: Kearney, Teresa Catherine: DNSM: 1 [1]; Taylor, Peter John; Kearney, Teresa Catherine; Mari: DNSM: 11 [11 - **12**] - Lalapanzi Pan: ?: Collector Unknown: DNSM: 2 [2]; Kearney, Teresa Catherine: DNSM: 1 [1 - **3** - **15**].

Total Specimens for 18 April 1995: 15

19 April 1995

South Africa: Bonamanzi Game Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Mission Rocks Bat Cave: Taylor, Peter John; Kearney, Teresa Catherine; Mari: DNSM: 7 [7 - **7** - **9**].

Total Specimens for 19 April 1995: 9

20 April 1995

The Gambia: Janjanbureh: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 April 1995: 1

26 April 1995

South Africa: American cave: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1995: 1

27 April 1995

Tanzania: Dar es Salaam University: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 April 1995: 2

1 May 1995

Namibia: Okatana: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 1 May 1995: 2

2 May 1995

South Africa: Fountains Valley: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1995: 1

5 May 1995

South Africa: Pietermaritzburg: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 5 May 1995: 2

9 May 1995

Swaziland: Kwaluseni: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 9 May 1995: 2

10 May 1995

South Africa: Umhlanga Rocks: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 10 May 1995: 4

12 May 1995

Namibia: Okatana: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 12 May 1995: 2

13 May 1995

South Africa: Bisley: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 13 May 1995: 2

15 May 1995

South Africa: Ferncliff Bat Cave: ?: Collector Unknown: DNSM: 1 [1 - **1**] - University of Natal: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 15 May 1995: 2

4 June 1995

South Africa: Vuma farm: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 4 June 1995: 5

6 June 1995

South Africa: Eshowe: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1995: 1

7 June 1995

South Africa: Melmoth: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Mooiplaas, SAPPI: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 7 [7 - **7**] - Mooiplass Plantation: ?: Collector Unknown: DNSM: 1 [1 - **1** - **9**].
Swaziland: St. Joseph's: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1995: 10

10 June 1995

Congo (Democratic Republic of the): Kikwit: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 1 [1 - **1** - **1**].

Total Specimens for 10 June 1995: 1

13 June 1995

Swaziland: Sikhunyana: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 June 1995: 1

14 June 1995

Tanzania: Tong'omba Forest Reserve: Howell, Kim M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 14 June 1995: 3

16 June 1995

South Africa: Happy Thoughts Gold Mine: Seamark, Ernest Charles James: DNSM: 2 [2]; Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 3 [3 - **5**] - Oribi Gorge Nature Reserve: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **7**].

Total Specimens for 16 June 1995: 7

18 June 1995

South Africa: Sezela: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 7 [7 - **7**] - Umtamvuna Gorge Nature Reserve: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **8**].

Total Specimens for 18 June 1995: 8

20 June 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 3 [3 - **3** - **3**].

Total Specimens for 20 June 1995: 3

21 June 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 2 [3 - **3** - **3**].

Total Specimens for 21 June 1995: 3

22 June 1995

Tanzania: Mangula: Moehlman, Patricia D.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 22 June 1995: 3

23 June 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 4 [4 - **4** - **4**].
Tanzania: Mangula: Moehlman, Patricia D.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 23 June 1995: 7

26 June 1995

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 26 June 1995: 3

28 June 1995

Tanzania: Udzungwa National Park: Moehlman, Patricia D.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 28 June 1995: 4

29 June 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 3 [4 - **4** - **4**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: Udzungwa National Park: Moehlman, Patricia D.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 June 1995: 6

1 July 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 1 [1 - **1** - **1**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: Udzungwa National Park: Moehlman, Patricia D.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 July 1995: 5

2 July 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1** - **1**].

Total Specimens for 2 July 1995: 1

3 July 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 2 [2 - **2** - **2**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1995: 3

4 July 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 1 [2 - **2** - **2**].
Swaziland: Hlane: ?: Collector Unknown: TM: 1 [1 - **1**] - Hlane [2]: Monadjem, Ara: TM: 1 [1 - **1** - **2**].

Total Specimens for 4 July 1995: 4

6 July 1995

Congo (Democratic Republic of the): Kikwit: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 14, RMCA: 15 [29 - **29**] - Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1** - **30**].

Total Specimens for 6 July 1995: 30

7 July 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 2 [2 - **2** - **2**].
Swaziland: Hlane [2]: Monadjem, Ara: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 July 1995: 3

8 July 1995

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 July 1995: 1

9 July 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 1 [2 - **2** - **2**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 July 1995: 3

11 July 1995

Congo (Democratic Republic of the): Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1995: 1

12 July 1995

Congo (Democratic Republic of the): Kikwit: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 3, RMCA: 4 [7 - **7** - **7**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 12 July 1995: 9

14 July 1995

Congo (Democratic Republic of the): Kikwit: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 28, RMCA: 28 [56 - **56** - **56**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 14 July 1995: 59

15 July 1995

Congo (Democratic Republic of the): Kikwit: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 5, RMCA: 5 [10 - **10** - **10**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1995: 11

19 July 1995

Congo (Democratic Republic of the): Mbalaka: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 2, RMCA: 3 [5 - **5**] - Mbwambala: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1** - **6**].

Total Specimens for 19 July 1995: 6

20 July 1995

Congo (Democratic Republic of the): Kimbinga market: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 4, RMCA: 2 [6 - **6**] - Mbalaka: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1** - **7**].

Total Specimens for 20 July 1995: 7

21 July 1995

Congo (Democratic Republic of the): Mbalaka: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 3 [4 - **4** - **4**].

Total Specimens for 21 July 1995: 4

23 July 1995

Congo (Democratic Republic of the): Athens mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 3, RMCA: 4 [7 - **7**] - Mbalaka: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 3 [4 - **4** - **11**].

Total Specimens for 23 July 1995: 11

24 July 1995

Congo (Democratic Republic of the): Kinzambi mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 5, RMCA: 6 [11 - **11**] - Mbalaka: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 1 [1 - **1** - **12**].

Total Specimens for 24 July 1995: 12

25 July 1995

Congo (Democratic Republic of the): Kinzambi mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 4, RMCA: 5 [9 - **9** - **9**].
South Africa: Mkuzi Game Reserve: Goodman, K.P.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1995: 10

26 July 1995

Congo (Democratic Republic of the): Kinzambi mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 12, RMCA: 11 [23 - **23**] - Luanu: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 2, RMCA: 4 [6 - **6** - **29**].
South Africa: Isipingo: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 26 July 1995: 33

27 July 1995

Congo (Democratic Republic of the): Kinzambi mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 24, RMCA: 23 [47 - **47**] - Trappist mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 22, RMCA: 22 [44 - **44** - **91**].
Tanzania: Bamba-Mlungi Forest Reserve: Bayliss, Julian; *et al.*; Frontier-Project, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 July 1995: 92

28 July 1995

Congo (Democratic Republic of the): Kinzambi mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 3, RMCA: 11 [14 - **14** - **14**].
South Africa: Sea View, Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 July 1995: 15

29 July 1995

Tanzania: Bamba-Mlungi Forest Reserve: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].

Total Specimens for 29 July 1995: 3

30 July 1995

Congo (Democratic Republic of the): Kinzambi mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 9, RMCA: 12 [21 - **21** - **21**].

Total Specimens for 30 July 1995: 21

31 July 1995

Congo (Democratic Republic of the): Kinzambi mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 25, RMCA: 29 [54 - **54** - **54**].

Total Specimens for 31 July 1995: 54

1 August 1995

Congo (Democratic Republic of the): Kikwit ITPK: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 10, RMCA: 7 [17 - **17**] - Mbalaka: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 1 [1 - **1** - **18**].
South Africa: Tongaat: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1995: 19

2 August 1995

Congo (Democratic Republic of the): Sacred Heart mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 40, RMCA: 41 [81 - **81** - **81**].
Swaziland: Dinedor: Monadjem, Ara: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1995: 82

3 August 1995

Congo (Democratic Republic of the): Kikwit: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 6 [6 - **6**] - Kikwit ITPK: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 8 [9 - **9** - **15**].
Tanzania: Chita, 1.7 km N, 3.5 km W: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 August 1995: 16

4 August 1995

South Africa: Mountain View: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tanzania: Chita, 1.7 km N, 3.5 km W: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 4 August 1995: 5

5 August 1995

Congo (Democratic Republic of the): Kakoi: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1995: 1

6 August 1995

Congo (Democratic Republic of the): Trappist mission: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 12, RMCA: 11 [23 - **23** - **23**].

Total Specimens for 6 August 1995: 23

10 August 1995

South Africa: Bube pan: Taylor, Peter John; *et al.*: DNSM: 7 [7 - **7** - **7**].

Total Specimens for 10 August 1995: 7

11 August 1995

South Africa: Bube pan: Taylor, Peter John; *et al.*: DNSM: 2 [2 - **2**] - Ghost Mountain: Taylor, Peter John; *et al.*: DNSM: 2 [2 - **2** - **4**].

Total Specimens for 11 August 1995: 4

12 August 1995

South Africa: Bube pan: Taylor, Peter John; *et al.*: DNSM: 4 [4 - **4**] - Msinga Hide: Taylor, Peter John; *et al.*: DNSM: 2 [2 - **2** - **6**].

Total Specimens for 12 August 1995: 6

13 August 1995

South Africa: Mkuzi Game Reserve: Kearney, Teresa Catherine: DNSM: 4 [4 - **4**] - Msinga Hide: Taylor, Peter John; *et al.*: DNSM: 4 [4 - **4** - **8**].

Total Specimens for 13 August 1995: 8

14 August 1995

South Africa: Pongolapoort Dam: ?: Collector Unknown: DNSM: 1 [1]; Taylor, Peter John; *et al.*: DNSM: 11 [11 - **12** - **12**].

Total Specimens for 14 August 1995: 12

18 August 1995

South Africa: Farm Tygerkloof 354: Bronner, Gary Neil: TM: 12 [12 - **12** - **12**].

Total Specimens for 18 August 1995: 12

21 August 1995

South Africa: Zwartkop cave: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 August 1995: 1

23 August 1995

South Africa: Entumeni Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Jozini Dam: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 23 August 1995: 2

24 August 1995

Tanzania: Chita, 4.5 km W: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 24 August 1995: 3

25 August 1995

Tanzania: Chita, 4.5 km W: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 August 1995: 1

26 August 1995

Tanzania: Chita, 4.5 km W: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1995: 1

1 September 1995

South Africa: Cavendish: ?: Collector Unknown: DNSM: 1 [1 - **1**] - EKZN Wildlfe Headquarters: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 1 September 1995: 3

2 September 1995

Tanzania: Bamba-Mlungi Forest Reserve: Bayliss, Julian: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1995: 1

10 September 1995

South Africa: Sezela Tunnel: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 10 September 1995: 2

15 September 1995

Tanzania: Pugu Hills: Stanley, William ("Bill") T.: FMNH: 72 [72 - **72** - **72**].

Total Specimens for 15 September 1995: 72

17 September 1995

South Africa: Merrivale: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1995: 1

20 September 1995

Mauritania: Nouakchott: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 20 September 1995: 4

21 September 1995

South Africa: Fynnlands: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1995: 1

26 September 1995

South Africa: Transvaal Museum workshop: Skea, K.: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 September 1995: 1

28 September 1995

South Africa: Ithala [=Itala] Game Reserve, Main camp: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 September 1995: 1

29 September 1995

South Africa: Durban: Seamark, Ernest Charles James: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 September 1995: 1

1 October 1995

South Africa: Tembe Elephant Park: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 4 [4 - **4** - **4**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1995: 5

3 October 1995

South Africa: Howick: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 October 1995: 1

9 October 1995

South Africa: Kumsinga Hide: Taylor, Peter John: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 1995: 1

12 October 1995

South Africa: Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 October 1995: 1

21 October 1995

Swaziland: Ngwenya [=Byrhtes]: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1995: 1

24 October 1995

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1995: 1

28 October 1995

South Africa: Silverglen Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 28 October 1995: 2

1 November 1995

South Africa: Berea: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Renishaw: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].

Total Specimens for 1 November 1995: 3

5 November 1995

South Africa: Buzzard Mountain Retreat: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 5 November 1995: 4

11 November 1995

Tanzania: Longuza North Forest Reserve: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 11 November 1995: 2

14 November 1995

South Africa: Port Shepstone: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1995: 1

23 November 1995

South Africa: Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 November 1995: 1

24 November 1995

South Africa: Steenkampskraal Mine: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 24 November 1995: 5

28 November 1995

Tanzania: Mlola Forest: Howell, Kim M.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 28 November 1995: 5

30 November 1995

South Africa: St. Lucia: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1995: 1

1 December 1995

South Africa: Burman Bush Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1995: 2

4 December 1995

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 December 1995: 1

5 December 1995

Zimbabwe: Chingamwe Estates: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mutare: ?: Collector Unknown: DNSM: 25 [25 - **25** - **26**].

Total Specimens for 5 December 1995: 26

6 December 1995

Zimbabwe: Bonda Mission: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1995: 1

10 December 1995

Zimbabwe: Chingamwe Estates: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 December 1995: 1

19 December 1995

Ethiopia: Harenna Forest: Kruskop, Sergey V.: ZMMU: 1 [1 - **1** - **1**].

Total Specimens for 19 December 1995: 1

1 January 1996

South Africa: Yellowwood Park: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Tanzania: Arusha region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1996: 3

4 January 1996

Swaziland: St. Joseph's: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1996: 1

7 January 1996

Swaziland: Ndabasezwe High School: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 January 1996: 1

8 January 1996

South Africa: Harold Johnson Nature Reserve: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 January 1996: 1

10 January 1996

Swaziland: Allen's Farm: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1996: 1

11 January 1996

Madagascar: Unknown locality: Göpfert, M.; Ludwar, B.: SMF: 1 [1 - **1** - **1**].
South Africa: Badplaas: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 11 January 1996: 3

14 January 1996

São Tomé and Principé: Sao Tome: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].
South Africa: Sabi & White Sands rivers confluence: Rosevear, Donovan Reginald: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1996: 4

17 January 1996

South Africa: Sanbonani: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 January 1996: 1

18 January 1996

Swaziland: Allen's Farm: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 January 1996: 1

19 January 1996

South Africa: Fairview mine: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 January 1996: 1

20 January 1996

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 20 January 1996: 2

21 January 1996

South Africa: Waterfall: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1996: 1

22 January 1996

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Sarnia road, 28: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 January 1996: 2

24 January 1996

Congo (Democratic Republic of the): Mwebe bridge: Swanepoel, Robert (Bob): TM: 4 [4 - **4** - **4**].

Total Specimens for 24 January 1996: 4

25 January 1996

Congo (Democratic Republic of the): Kikwit: Swanepoel, Robert (Bob): TM: 3 [3 - **3**] - Menga: Swanepoel, Robert (Bob): TM: 2 [2 - **2** - **5**].
South Africa: Klaserie Private Nature Reserve: von Brandis, R.: TM: 1 [1 - **1** - **1**].
Swaziland: Luyengo: Monadjem, Ara: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 January 1996: 7

26 January 1996

South Africa: Klaserie Private Nature Reserve: von Brandis, R.: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1996: 1

28 January 1996

Congo (Democratic Republic of the): Kikwit: Swanepoel, Robert (Bob): TM: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1996: 1

31 January 1996

South Africa: Moorfield Mountain Farm Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Kambai Forest Reserve: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 2 [2 - **2**] - Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Total Specimens for 31 January 1996: 4

1 February 1996

South Africa: Gillets: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1996: 1

6 February 1996

South Africa: Farm Hilda [=V.L.NR.]: Bronner, Gary Neil: TM: 11 [11 - **11**] - Farm Regina 68 [=V.L.N.R.]: Bronner, Gary Neil: TM: 1 [1 - **1**] - Winburg: ?: Collector Unknown: NMB: 3 [3 - **3** - **15**].
Swaziland: Franson Christian High: ?: Collector Unknown: TM: 1 [1 - **1**] - Nsoko [=Forbes Ranch]: Monadjem, Ara: TM: 1 [1 - **1** - **2**].

Total Specimens for 6 February 1996: 17

7 February 1996

South Africa: Farm Regina 68 [=V.L.N.R.]: Bronner, Gary Neil: TM: 2 [2 - **2**] - Lydenberg Vissery [=Fisheries]: Linstrom, A.: TM: 1 [1 - **1** - **3**].

Total Specimens for 7 February 1996: 3

8 February 1996

Tanzania: Kambai Forest Reserve: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 8 February 1996: 2

12 February 1996

South Africa: Farm Regina 68 [=V.L.N.R.]: Bronner, Gary Neil: TM: 23 [23 - **23** - **23**].
Swaziland: Byrhytes mine: Monadjem, Ara: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1996: 24

13 February 1996

South Africa: Mount Moreland: Vickers, H.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1996: 1

14 February 1996

South Africa: Farm Hilda [=V.L.NR.]: ?: Collector Unknown: TM: 1 [1 - **1**] - Farm Luna 61MS [=V.L.N.R.]: Bronner, Gary Neil: TM: 7 [7 - **7** - **8**].

Total Specimens for 14 February 1996: 8

15 February 1996

South Africa: Game Valley Estates: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].
Swaziland: Bar Circle Ranches: ?: Collector Unknown: TM: 2 [2 - **2**] - Big Bend: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

Total Specimens for 15 February 1996: 4

21 February 1996

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1996: 1

22 February 1996

South Africa: Hella Hella Game Reserve: Porter, B.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1996: 1

28 February 1996

Mali: Bamako: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Samaya: ?: Collector Unknown: MNHN: 4 [4 - **4** - **5**].
Tanzania: Kambai Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1996: 6

29 February 1996

South Africa: EKZN Wildlfe Headquarters: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 February 1996: 1

1 March 1996

Swaziland: Nkwene High School: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1996: 1

2 March 1996

Mali: Samaya: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
South Africa: Umtamvuna Gorge Nature Reserve: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 2 March 1996: 4

6 March 1996

Swaziland: Franson Christian High: ?: Collector Unknown: TM: 1 [1 - **1**] - Sithobela Primary School: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Total Specimens for 6 March 1996: 2

8 March 1996

Tanzania: Kambai Forest Reserve: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1996: 1

9 March 1996

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 March 1996: 1

11 March 1996

South Africa: Fort Yolland Farm: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Molopo Nature Reserve: Newbery, C.: TM: 1 [1 - **1** - **3**].

Total Specimens for 11 March 1996: 3

12 March 1996

South Africa: Dlinza Forest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 1996: 1

13 March 1996

South Africa: Dlinza Forest: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Eshowe: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Mooiplaas, SAPPI: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 15 [15 - **15**] - Pinetown: Richardson, E.: DNSM: 1 [1 - **1** - **18**].
Tanzania: Semdoe Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1996: 19

14 March 1996

South Africa: Dlinza Forest: Kearney, Teresa Catherine: DNSM: 11 [11]; Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **13**] - Harold Johnson Nature Reserve: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **14**].

Total Specimens for 14 March 1996: 14

15 March 1996

Swaziland: Ekuphakameni High School: Monadjem, Ara: TM: 1 [1 - **1** - **1**].

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 March 1996: 2

16 March 1996

Swaziland: Ngcoseni Primary: Monadjem, Ara: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1996: 1

17 March 1996

Swaziland: Ngcoseni Primary: Monadjem, Ara: TM: 3 [3 - **3** - **3**].

Total Specimens for 17 March 1996: 3

18 March 1996

Swaziland: Ngcoseni Primary: Monadjem, Ara: TM: 5 [5 - **5** - **5**].

Total Specimens for 18 March 1996: 5

20 March 1996

Swaziland: Bethlehem Mission: Monadjem, Ara: TM: 2 [2 - **2** - **2**].

Total Specimens for 20 March 1996: 2

22 March 1996

South Africa: Umtamvuna Gorge Nature Reserve: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 March 1996: 1

23 March 1996

South Africa: Umtamvuna Gorge Nature Reserve: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 March 1996: 1

24 March 1996

South Africa: Isipingo: ?: Collector Unknown: DNSM: 8, TM: 11 [19 - **19**] - Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **20**].

Total Specimens for 24 March 1996: 20

26 March 1996

Swaziland: Dwalile Primary School: Monadjem, Ara: TM: 2 [2 - **2** - **2**].

Total Specimens for 26 March 1996: 2

1 April 1996

South Africa: Hathaway: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1996: 1

3 April 1996

Swaziland: St. Peregrines: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 April 1996: 1

4 April 1996

Kenya: Mpala Research Center: Takata, Steve: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 4 April 1996: 1

6 April 1996

South Africa: Empisini Nature Reserve: Scholtz, C.: DNSM: 1 [1]; Seamark, Ernest Charles James: DNSM: 1 [1 - **2**] - Esperanza [=Beneva] Tunnel: Grant, Claude Henry Baxter; Rudd Expedition, The: DNSM: 1 [1]; Rosevear, Donovan Reginald: DNSM: 1 [1]; Rushworth, I.: DNSM: 1 [1]; SAS: DNSM: 1 [1]; Seamark, Ernest Charles James: DNSM: 1 [1 - **5** - **7**].

Total Specimens for 6 April 1996: 7

7 April 1996

South Africa: Empisini Nature Reserve: Seamark, Ernest Charles James: DNSM: 2 [2 - **2**] - Park Rynie: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Swaziland: Mbutfu Primary School: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1996: 4

8 April 1996

Congo (Democratic Republic of the): Equateur: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 April 1996: 1

13 April 1996

South Africa: North Park Nature Reserve: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 13 April 1996: 2

14 April 1996

South Africa: Natal Midlands: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Nottingham Road: Fly, R.: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 14 April 1996: 2

18 April 1996

Swaziland: Mkhuzweni Primary School: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 April 1996: 1

20 April 1996

South Africa: Pigeon Valley Park: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 20 April 1996: 2

21 April 1996

Swaziland: St. Florence Mission: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1996: 1

22 April 1996

Swaziland: St. Florence Mission: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 April 1996: 1

23 April 1996

South Africa: Klaserie Private Nature Reserve: von Brandis, R.: TM: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1996: 1

26 April 1996

South Africa: Harold Johnson Nature Reserve: Kearney, Teresa Catherine: DNSM: 2 [2]; Schlechter, Max: DNSM: 1 [1]; Schribante, Mrs.: DNSM: 1 [1 - **4** - **4**].

Total Specimens for 26 April 1996: 4

27 April 1996

South Africa: Harold Johnson Nature Reserve: Scholtz, C.: DNSM: 1 [1]; Seamark, Ernest Charles James: DNSM: 1 [1 - **2** - **2**].

Total Specimens for 27 April 1996: 2

28 April 1996

South Africa: Rustenburg Nature Reserve: Newbery, C.: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 April 1996: 1

4 May 1996

South Africa: St. Lucia: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1996: 1

6 May 1996

South Africa: Empisini Nature Reserve: Seamark, Ernest Charles James: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 May 1996: 1

9 May 1996

Swaziland: Dinedor Ranch: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 May 1996: 1

10 May 1996

Swaziland: Dinedor Ranch: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 May 1996: 1

12 May 1996

Tunisia: Tabouda caves: Gharaibeh, Burhan M.: TTU: 10 [10 - **10** - **10**].

Total Specimens for 12 May 1996: 10

13 May 1996

South Africa: Westville: Richardson; Mari: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1996: 1

14 May 1996

South Africa: Game Valley Estates: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 May 1996: 1

15 May 1996

South Africa: Hella-Hella Game Valley Estates: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 May 1996: 1

20 May 1996

South Africa: Stainbank Nature Reserve: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 20 May 1996: 3

29 May 1996

Tunisia: Dgomous Reserve: Gharaibeh, Burhan M.: TTU: 2 [2 - **2** - **2**].

Total Specimens for 29 May 1996: 2

8 June 1996

Tunisia: Ain Dhab: Gharaibeh, Burhan M.: TTU: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1996: 1

10 June 1996

Tunisia: Damoos Said: Gharaibeh, Burhan M.: TTU: 3 [3 - **3** - **3**].

Total Specimens for 10 June 1996: 3

12 June 1996

South Africa: Montrose: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Seaview: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Tunisia: Ain Dhab: Gharaibeh, Burhan M.: TTU: 6 [6 - **6**] - Damoos Said: Gharaibeh, Burhan M.: TTU: 2 [2 - **2** - **8**].

Total Specimens for 12 June 1996: 10

14 June 1996

South Africa: Umlalazi Nature Reserve: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1996: 1

16 June 1996

South Africa: Umlalazi Nature Reserve: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 16 June 1996: 2

19 June 1996

Tunisia: Feija National Park Headquarters: Gharaibeh, Burhan M.: TTU: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1996: 1

21 June 1996

Tunisia: Feija National Park Headquarters: Gharaibeh, Burhan M.: TTU: 24 [24 - **24**] - Ghar Kraiz: Gharaibeh, Burhan M.: TTU: 8 [8 - **8** - **32**].

Total Specimens for 21 June 1996: 32

23 June 1996

Tunisia: Ain Jammalah Pepinier Forestière: Gharaibeh, Burhan M.: TTU: 4 [4 - **4**] - Ghar Kraiz: Gharaibeh, Burhan M.: TTU: 5 [5 - **5** - **9**].

Total Specimens for 23 June 1996: 9

24 June 1996

Tunisia: Ain Dhab: Gharaibeh, Burhan M.: TTU: 3 [3 - **3** - **3**].

Total Specimens for 24 June 1996: 3

1 July 1996

South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1996: 1

2 July 1996

Uganda: Enkombe Sawmill: Lunde, Darrin P.: FMNH: 1 [1 - **1**] - Maramagambo Forest: Lunde, Darrin P.: AMNH: 2 [2 - **2** - **3**].

Total Specimens for 2 July 1996: 3

3 July 1996

Uganda: Maramagambo Forest: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1996: 1

6 July 1996

Uganda: Enkombe Sawmill: Lunde, Darrin P.: FMNH: 1 [1 - **1**] - Maramagambo Forest: Lunde, Darrin P.: AMNH: 2 [2 - **2** - **3**].

Total Specimens for 6 July 1996: 3

13 July 1996

Uganda: Enkombe Sawmill: Lunde, Darrin P.: FMNH: 2 [2 - **2**] - Maramagambo Forest: Lunde, Darrin P.: AMNH: 2 [2 - **2** - **4**].

Total Specimens for 13 July 1996: 4

14 July 1996

Uganda: Enkombe Sawmill: Lunde, Darrin P.: FMNH: 1 [1 - **1**] - Maramagambo Forest: Lunde, Darrin P.: AMNH: 2 [2 - **2** - **3**].

Total Specimens for 14 July 1996: 3

15 July 1996

Uganda: Enkombe Sawmill: Lunde, Darrin P.: FMNH: 5 [5 - **5**] - Maramagambo Forest: Lunde, Darrin P.: AMNH: 12 [12 - **12** - **17**].

Total Specimens for 15 July 1996: 17

16 July 1996

Uganda: Maramagambo Forest: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 July 1996: 1

17 July 1996

Tanzania: Mbuya Mingi Campsite, near: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 17 July 1996: 2

19 July 1996

Tanzania: Tarangire National Park: Stanley, William ("Bill") T.: FMNH: 10 [10 - **10** - **10**].
Uganda: Maramagambo Forest: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 July 1996: 11

20 July 1996

Uganda: Maramagambo Forest: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 July 1996: 1

29 July 1996

Tanzania: Uluguru Mts, Uluguru North Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 July 1996: 1

2 August 1996

Tanzania: Matai Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1996: 1

3 August 1996

Tanzania: Uluguru Mts, Uluguru North Forest Reserve: Stanley, William ("Bill") T.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 3 August 1996: 5

4 August 1996

Malawi: Malema: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Tanzania: Uluguru Mts, Uluguru North Forest Reserve: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 4 August 1996: 5

5 August 1996

Malawi: Malema: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 5 August 1996: 1

10 August 1996

Malawi: Rwosho River: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 10 August 1996: 2

20 August 1996

South Africa: Glenhills: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 August 1996: 1

22 August 1996

South Africa: Greyville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 August 1996: 1

30 August 1996

South Africa: Mountain Lakes Adventure Campsite: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 4 [4 - **4** - **4**].
Tanzania: Mgambo Forest Reserve: Cordeiro, Norbert J.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 30 August 1996: 7

31 August 1996

South Africa: Jozini Dam: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 2 [2 - **2**] - Pongolapoort Dam: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **4**].
Tanzania: Mgambo Forest Reserve: Cordeiro, Norbert J.: FMNH: 1 [1 - **1**] - Pugu Hills: Stanley, William ("Bill") T.: FMNH: 86 [86 - **86** - **87**].

Total Specimens for 31 August 1996: 91

2 September 1996

Tanzania: Mgambo Forest Reserve: Cordeiro, Norbert J.: FMNH: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 2 September 1996: 2

6 September 1996

Tanzania: Mgambo Forest Reserve: Cordeiro, Norbert J.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1996: 1

7 September 1996

Tanzania: Mgambo Forest Reserve: Cordeiro, Norbert J.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 September 1996: 1

14 September 1996

Zimbabwe: Mashonaland West province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1996: 1

17 September 1996

South Africa: Queen Elizabeth Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 September 1996: 1

24 September 1996

South Africa: Molopo Nature Reserve: Newbery, C.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 September 1996: 1

1 October 1996

France: Beauvais cathedral: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1996: 1

6 October 1996

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1996: 1

8 October 1996

South Africa: Winburg: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 8 October 1996: 2

12 October 1996

South Africa: Empisini Nature Reserve: Kearney, Teresa Catherine: DNSM: 3 [3 - **3**] - Renishaw: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **5**].

Total Specimens for 12 October 1996: 5

13 October 1996

South Africa: Empisini Nature Reserve: Schoeman, M. Corrie: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1996: 1

18 October 1996

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1996: 1

21 October 1996

Swaziland: Ngwenya [=Byrhtes]: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 1996: 1

22 October 1996

Tanzania: Kwamgumi Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1]; Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **2**] - Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Total Specimens for 22 October 1996: 3

23 October 1996

South Africa: Forest Hills: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 October 1996: 1

24 October 1996

Tanzania: Tanga region: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 24 October 1996: 5

1 November 1996

Central African Republic: Dzanga-Sangha Forest Reserve: Dickerman, Robert W.: AMNH: 2 [2]; Lunde, Darrin P.: AMNH: 1 [1 - **3** - **3**].

South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 November 1996: 4

5 November 1996

South Africa: Greenwood Park: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Nkaya Pan: Whitfield, S.: KNP: 1 [1 - **1** - **2**].

Total Specimens for 5 November 1996: 2

6 November 1996

Egypt: Cairo: Kompanje, Erwin J.O.: NMR: 1 [1 - **1** - **1**].

Total Specimens for 6 November 1996: 1

10 November 1996

South Africa: Winburg: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 10 November 1996: 2

16 November 1996

Zimbabwe: Rhodes Nyanga-NP: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1996: 1

19 November 1996

Central African Republic: Dzanga-Sangha Forest Reserve: Lunde, Darrin P.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 November 1996: 2

20 November 1996

Central African Republic: Dzanga-Sangha Forest Reserve: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 November 1996: 1

21 November 1996

South Africa: Messina Nature Reserve: ?: Collector Unknown: DNSM: 1 [1]; Kearney, Teresa Catherine: DNSM: 5 [5 - **6** - **6**].

Total Specimens for 21 November 1996: 6

22 November 1996

Central African Republic: Dzanga-Sangha Forest Reserve: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **1**].
South Africa: Messina Nature Reserve: Kearney, Teresa Catherine: DNSM: 9 [9 - **9** - **9**].

Total Specimens for 22 November 1996: 10

24 November 1996

South Africa: Messina Nature Reserve: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 24 November 1996: 2

25 November 1996

South Africa: Farm Rietfontein 404: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **5**].

Total Specimens for 25 November 1996: 5

27 November 1996

Central African Republic: Dzanga-Sangha Forest Reserve: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 November 1996: 1

30 November 1996

Central African Republic: Dzanga-Sangha Forest Reserve: Lunde, Darrin P.: AMNH: 2 [2 - **2** - **2**].

Total Specimens for 30 November 1996: 2

1 December 1996

South Africa: Malvern: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 December 1996: 1

2 December 1996

Central African Republic: Dzanga-Sangha Forest Reserve: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1996: 1

3 December 1996

Central African Republic: Dzanga-Sangha Forest Reserve: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **1**].
South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 December 1996: 2

17 December 1996

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 December 1996: 1

20 December 1996

South Africa: Longstead Farm: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1996: 1

27 December 1996

South Africa: Twin Streams: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 December 1996: 1

30 December 1996

Tanzania: Mbeya region: ?: Collector Unknown: SMF: 4 [4 - **4**] - Northern Matema: Singerhoff, E.: SMF: 2 [2 - **2** - **6**].

Total Specimens for 30 December 1996: 6

31 December 1996

Tanzania: Mbeya region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 31 December 1996: 2

1 January 1997

South Africa: Overport: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 1997: 1

4 January 1997

Tanzania: Songwe Bat Cave: Singerhoff, E.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1997: 1

16 January 1997

South Africa: Brighton Beach: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Total Specimens for 16 January 1997: 4

20 January 1997

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1997: 1

21 January 1997

Tanzania: Mtai Forest Reserve: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 January 1997: 1

28 January 1997

South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 January 1997: 1

5 February 1997

South Africa: Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Uganda: Ruhiza: Hayward, Bruce Joliffe: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 5 February 1997: 8

6 February 1997

Uganda: Ruhiza: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 February 1997: 1

10 February 1997

South Africa: New Germany: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1997: 1

13 February 1997

South Africa: Montrose: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1997: 1

15 February 1997

South Africa: Kenneth Stainbank Nature Reserve: Kearney, Teresa Catherine: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 15 February 1997: 4

22 February 1997

South Africa: Koegelbeen Caves: ?: Collector Unknown: NMB: 9 [9 - **9** - **9**].

Total Specimens for 22 February 1997: 9

23 February 1997

Uganda: Bwindi-Impenetrable National Park: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 23 February 1997: 4

24 February 1997

Uganda: Bwindi-Impenetrable National Park: Hayward, Bruce Joliffe: FMNH: 1 [1]; Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **3** - **3**].

Total Specimens for 24 February 1997: 3

25 February 1997

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Uganda: Bwindi-Impenetrable National Park: Hayward, Bruce Joliffe: FMNH: 2 [2]; Kerbis Peterhans, Julian C.: FMNH: 9 [9 - **11** - **11**].

Total Specimens for 25 February 1997: 12

26 February 1997

Uganda: Bwindi-Impenetrable National Park: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 26 February 1997: 3

27 February 1997

Uganda: Omubiyanja Swamp: Kerbis Peterhans, Julian C.: FMNH: 12 [12 - **12** - **12**].

Total Specimens for 27 February 1997: 12

28 February 1997

South Africa: Westridge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: Bwindi-Impenetrable National Park: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 February 1997: 4

1 March 1997

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Uganda: Bwindi-Impenetrable National Park: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - Omubiyanja Swamp: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3** - **7**].

Total Specimens for 1 March 1997: 8

2 March 1997

Uganda: Bwindi-Impenetrable National Park: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - Omubiyanja Swamp: Kerbis Peterhans, Julian C.: FMNH: 10 [10 - **10** - **11**].

Total Specimens for 2 March 1997: 11

5 March 1997

Uganda: Byumba: Hayward, Bruce Joliffe: FMNH: 5 [5]; Kityo, Robert N.: FMNH: 1 [1 - **6** - **6**].

Total Specimens for 5 March 1997: 6

6 March 1997

Uganda: Byumba: Hayward, Bruce Joliffe: FMNH: 7 [7]; Kityo, Robert N.: FMNH: 7 [7 - **14** - **14**].

Total Specimens for 6 March 1997: 14

7 March 1997

Uganda: Byumba: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 7 March 1997: 5

8 March 1997

Uganda: Byumba: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 March 1997: 1

9 March 1997

Uganda: Byumba: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 March 1997: 2

10 March 1997

Uganda: Byumba: Hayward, Bruce Joliffe: FMNH: 9 [9]; Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **10** - **10**].

Total Specimens for 10 March 1997: 10

11 March 1997

Uganda: Byumba: Hayward, Bruce Joliffe: FMNH: 6 [6]; Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **9** - **9**].

Total Specimens for 11 March 1997: 9

12 March 1997

Uganda: Byumba: Hayward, Bruce Joliffe: FMNH: 3 [3]; Kerbis Peterhans, Julian C.: FMNH: 4 [4 - **7** - **7**].

Total Specimens for 12 March 1997: 7

13 March 1997

Uganda: Byumba: Kerbis Peterhans, Julian C.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 13 March 1997: 5

14 March 1997

South Africa: Ithala Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Vrolijkheid Nature Reserve: ?: Collector Unknown: DNSM: 4 [4 - **4** - **5**].

Total Specimens for 14 March 1997: 5

15 March 1997

Uganda: Ngoto Swamp: Kerbis Peterhans, Julian C.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 15 March 1997: 6

16 March 1997

Uganda: Ngoto Swamp: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1997: 1

17 March 1997

South Africa: Jonkershoek Nature Reserve: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 4 [4 - **4** - **4**].
Uganda: Ngoto Swamp: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 17 March 1997: 6

18 March 1997

Uganda: Ngoto Swamp: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 March 1997: 2

19 March 1997

South Africa: Farm Kersefontein [=Berg River]: ?: Collector Unknown: DNSM: 8 [8]; Kearney, Teresa Catherine; Taylor, Peter John: DNSM: 1 [1]; Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 2 [2 - **11** - **11**].

Total Specimens for 19 March 1997: 11

30 March 1997

Benin: Koko: Bergmans, Wim: ZMA: 2 [2 - **2**] - Savé: Mensah, G.A.: ZMA: 1 [1 - **1** - **3**].

Total Specimens for 30 March 1997: 3

31 March 1997

Benin: Koko: Bergmans, Wim: ZMA: 2 [2 - **2** - **2**].
South Africa: Phalaborwa, 20 km S: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 31 March 1997: 5

1 April 1997

Liberia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Mozambique: Xai Xai: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1997: 2

4 April 1997

South Africa: Bluff: ?: Collector Unknown: DNSM: 11 [11 - **11** - **11**].

Total Specimens for 4 April 1997: 11

6 April 1997

Benin: Lokossa, 10 mi [=16 km] S: Sinsin, B.: ZMA: 5 [5 - **5**] - Lokossa, S of: Sinsin, B.: ZMA: 1 [1 - **1** - **6**].

Total Specimens for 6 April 1997: 6

7 April 1997

South Africa: Marshall Grove: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 1997: 1

9 April 1997

Malawi: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 9 April 1997: 2

10 April 1997

Uganda: Echuya Forest Reserve: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 10 April 1997: 3

11 April 1997

Uganda: Echuya Forest Reserve: Kerbis Peterhans, Julian C.: FMNH: 13 [13 - **13** - **13**].

Total Specimens for 11 April 1997: 13

12 April 1997

Uganda: Echuya Forest Reserve: Kerbis Peterhans, Julian C.: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 12 April 1997: 8

13 April 1997

Malawi: Mondwe Valley: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1997: 1

16 April 1997

Uganda: Echuya Forest Reserve: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 16 April 1997: 3

17 April 1997

Ethiopia: Beletta forest: Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **1**].
Uganda: Echuya Forest Reserve: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 17 April 1997: 8

21 April 1997

South Africa: Mayville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 1997: 1

1 May 1997

South Africa: Montclair: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 1997: 1

4 May 1997

South Africa: Chatsworth: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 May 1997: 1

9 May 1997

Morocco: Bou Akden mine: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 2 [2 - **2** - **2**].

Total Specimens for 9 May 1997: 2

10 May 1997

South Africa: Chatsworth: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 10 May 1997: 3

11 May 1997

Morocco: Tiguerte cave: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 2 [2 - **2** - **2**].

Total Specimens for 11 May 1997: 2

15 May 1997

Uganda: Nteko Parish: Kerbis Peterhans, Julian C.: FMNH: 1 [1]; Kityo, Robert N.: FMNH: 1 [1 - **2** - **2**].

Total Specimens for 15 May 1997: 2

16 May 1997

Uganda: Nteko Parish: Kerbis Peterhans, Julian C.: FMNH: 2 [2]; Kityo, Robert N.: FMNH: 2 [2 - **4** - **4**].

Total Specimens for 16 May 1997: 4

17 May 1997

Uganda: Nteko Parish: Kityo, Robert N.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 17 May 1997: 7

18 May 1997

Uganda: Nteko Parish: Kityo, Robert N.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 18 May 1997: 7

19 May 1997

South Africa: Queensburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: Nteko Parish: Kityo, Robert N.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 19 May 1997: 11

20 May 1997

Uganda: Nteko Parish: Kityo, Robert N.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 20 May 1997: 4

21 May 1997

Uganda: Nteko Parish: Kityo, Robert N.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 21 May 1997: 10

22 May 1997

South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: Nteko Parish: Kityo, Robert N.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 22 May 1997: 10

23 May 1997

Tanzania: Bulyanhulu: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 May 1997: 1

24 May 1997

South Africa: Overport: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1997: 1

26 May 1997

South Africa: Kloof: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 26 May 1997: 2

3 June 1997

South Africa: Marine Parade: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 June 1997: 1

18 June 1997

South Africa: Twin Streams: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 18 June 1997: 1

25 June 1997

South Africa: Phoenix: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 June 1997: 1

30 June 1997

Tanzania: Mikumi National Park: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 June 1997: 1

1 July 1997

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Westridge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 1 July 1997: 2

4 July 1997

South Africa: Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1997: 1

10 July 1997

South Africa: Cape Vidal Nature Reserve, E shores: ?: Collector Unknown: DNSM: 2 [2]; Uys, K.: DNSM: 2 [2 - **4** - **4**].

Total Specimens for 10 July 1997: 4

22 July 1997

Tanzania: Manyangu Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1997: 1

23 July 1997

South Africa: Town Bush: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 July 1997: 1

27 July 1997

Tanzania: Manga Forest Reserve: Frontier Tanzania collection, The: SMF: 2 [2 - **2**] - Tanga region: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **3**].

Total Specimens for 27 July 1997: 3

1 August 1997

South Africa: Northdene: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 August 1997: 2

9 August 1997

South Africa: Forest Hills: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 August 1997: 1

15 August 1997

South Africa: Clarens: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Nguru South Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 August 1997: 2

23 August 1997

South Africa: New Germany: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1997: 1

25 August 1997

Tanzania: Nguru South Forest Reserve: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 August 1997: 2

30 August 1997

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 August 1997: 1

1 September 1997

Nigeria: Gombe state: ?: Collector Unknown: SMF: 3 [3 - **3**] - Plateau state: ?: Collector Unknown: SMF: 22 [22 - **22** - **25**].
South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1997: 26

4 September 1997

South Africa: Mayville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 September 1997: 1

8 September 1997

South Africa: Yellowwood Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 September 1997: 1

13 September 1997

South Africa: Ratzschitz Mission Church: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 September 1997: 1

15 September 1997

South Africa: Albert Falls Resource Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1997: 1

1 October 1997

South Africa: Albert Falls Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1997: 1

8 October 1997

South Africa: Phillipolis: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 8 October 1997: 2

13 October 1997

South Africa: Rossburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 October 1997: 1

15 October 1997

South Africa: Cape Vidal Nature Reserve, E shores: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 October 1997: 1

25 October 1997

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 25 October 1997: 5

1 November 1997

South Africa: Addington: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 1 November 1997: 2

3 November 1997

South Africa: Yellowwood Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 November 1997: 1

8 November 1997

South Africa: Krantzkloof Nature Reserve: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 8 November 1997: 2

10 November 1997

South Africa: Krantzkloof Nature Reserve: Kearney, Teresa Catherine; Seamark, Ernest Charles James: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 November 1997: 1

11 November 1997

South Africa: Durban: Taylor, Peter John: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 November 1997: 1

16 November 1997

South Africa: Yellowwood Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 November 1997: 1

19 November 1997

South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 November 1997: 1

27 November 1997

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 9 [9 - **9** - **9**].

Total Specimens for 27 November 1997: 9

28 November 1997

South Africa: Jozini Dam: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Pongolapoort Dam: ?: Collector Unknown: DNSM: 14 [14]; Taylor, Peter John; Jacobs, David S.; *et al.*: DNSM: 6 [6 - **20** - **21**].

Total Specimens for 28 November 1997: 21

29 November 1997

South Africa: Mpalane Lodge: Taylor, Peter John; Jacobs, David S.; *et al.*: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 29 November 1997: 5

30 November 1997

South Africa: Jozini Village: ?: Collector Unknown: DNSM: 5 [5 - **5**] - Pongola River Bridge, on Jozini - Kosi Road: ?: Collector Unknown: DNSM: 20 [20]; Taylor, Peter John; Jacobs, David S.; *et al.*: DNSM: 5 [5 - **25** - **30**].

Total Specimens for 30 November 1997: 30

1 December 1997

South Africa: Hilton: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Pongola River Bridge, on Jozini - Kosi Road: ?: Collector Unknown: DNSM: 6 [6]; Taylor, Peter John; Jacobs, David S.; *et al.*: DNSM: 13 [13 - **19** - **20**].

Total Specimens for 1 December 1997: 20

5 December 1997

South Africa: Kloof: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 5 December 1997: 3

6 December 1997

Côte d'Ivoire: Parc National de Tai: Formenty, Pierre: ZMA: 1 [1 - **1** - **1**].
Swaziland: Byrhytes mine: Monadjem, Ara: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 December 1997: 2

7 December 1997

Côte d'Ivoire: Parc National de Tai: Formenty, Pierre: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 7 December 1997: 1

9 December 1997

South Africa: Inanda Dam: Kearney, Teresa Catherine: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 9 December 1997: 3

27 December 1997

South Africa: Bonamanzi Game Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 27 December 1997: 2

28 December 1997

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Kosi Bay Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 28 December 1997: 2

30 December 1997

South Africa: Hella Hella Game Valley Estates: Crouch, Tanza E.: DNSM: 1 [1 - **1**] - Hella Hella GR: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 30 December 1997: 2

1 January 1998

Central African Republic: Boukoko or La Maboké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
South Africa: Durban: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Hillary area, probably: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Yellow Wood Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].

Total Specimens for 1 January 1998: 6

3 January 1998

South Africa: Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 January 1998: 1

10 January 1998

South Africa: Queensburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1998: 1

20 January 1998

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1998: 1

26 January 1998

South Africa: Durban, probably: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 January 1998: 1

27 January 1998

Swaziland: Motshane Portion 2/987: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 1998: 1

30 January 1998

South Africa: Westville: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 30 January 1998: 2

1 February 1998

South Africa: Albert Falls Nature Reserve: Craigie, John: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 February 1998: 1

2 February 1998

"Africa": Unknown locality: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Swaziland: Siphiso campsite: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 2 February 1998: 4

3 February 1998

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Mlawula Road, 4 km from junction: ?: Collector Unknown: DNSM: 5 [5 - **5** - **7**].

Total Specimens for 3 February 1998: 7

4 February 1998

Gabon: Projet OIBT trail: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].
Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Python Pool: ?: Collector Unknown: DNSM: 17 [17 - **17**] - Siphiso campsite: ?: Collector Unknown: DNSM: 1 [1 - **1** - **20**].

Total Specimens for 4 February 1998: 21

5 February 1998

Swaziland: Siphiso campsite: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1998: 1

6 February 1998

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Simunye, 15 km N: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].

Total Specimens for 6 February 1998: 3

8 February 1998

Swaziland: Malolotja Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1998: 1

9 February 1998

Gabon: Projet OIBT trail: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 February 1998: 1

10 February 1998

Gabon: Projet OIBT trail: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 February 1998: 2

11 February 1998

South Africa: Westriding: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].
Swaziland: Simunye, 10 km N: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 11 February 1998: 4

13 February 1998

Gabon: Projet OIBT trail: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].
South Africa: Christian Brothers College: Berry, V.: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1998: 3

14 February 1998

South Africa: Doornkraal Camp Site: Rushworth, I.: DNSM: 1 [1 - **1**] - Westriding: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 14 February 1998: 2

15 February 1998

South Africa: Doornkraal Camp Site: RSVS: DNSM: 1 [1]; Salewski, V.; Ueberschaer, K.: DNSM: 1 [1]; Schlitter, Duane Albert: DNSM: 2 [2]; Schmutter, H.; Kock, Dieter: DNSM: 1 [1]; Scott, E.: DNSM: 1 [1]; Seamark, Ernest Charles James: DNSM:

4 [4 - **10**] - Doornkraal campsite: Kearney, Teresa Catherine: DNSM: 2 [2 - **2**] - Ithala Game Reserve: Kearney, Teresa Catherine: DNSM: 4 [4 - **4**] - Vryheid Hill Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **17**].

Total Specimens for 15 February 1998: 17

17 February 1998

South Africa: Nguhbu Picnic: Seamark, Ernest Charles James: DNSM: 1 [1 - **1**] - Wondermine: Schoeman, M. Corrie; *et al.*: DNSM: 2 [2]; Seamark, Ernest Charles James: DNSM: 1 [1 - **3** - **4**].

Total Specimens for 17 February 1998: 4

19 February 1998

South Africa: Ithala Game Reserve: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 February 1998: 1

20 February 1998

South Africa: Doornkraal Camp Site: Seamark, Ernest Charles James: DNSM: 1 [1 - **1**] - Ithala Game Reserve: Kearney, Teresa Catherine: DNSM: 3 [3 - **3** - **4**].

Total Specimens for 20 February 1998: 4

21 February 1998

South Africa: Doornkraal campsite: Kearney, Teresa Catherine: DNSM: 3 [3 - **3**] - Ithala Game Reserve: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **4**].

Total Specimens for 21 February 1998: 4

23 February 1998

South Africa: Overport: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1998: 1

24 February 1998

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 February 1998: 1

4 March 1998

Swaziland: Maguga: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 4 March 1998: 1

5 March 1998

Swaziland: Maguga: ?: Collector Unknown: NMB: 4 [4 - **4** - **4**].

Total Specimens for 5 March 1998: 4

6 March 1998

Swaziland: Maguga: ?: Collector Unknown: NMB: 11 [11 - **11** - **11**].

Total Specimens for 6 March 1998: 11

7 March 1998

Swaziland: Malolotja Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 March 1998: 1

9 March 1998

Swaziland: Maguga: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 9 March 1998: 2

13 March 1998

South Africa: Hilton: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1998: 1

22 March 1998

South Africa: Albert Falls Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Albert Falls Resource Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 22 March 1998: 2

1 April 1998

Liberia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1998: 1

8 April 1998

Mozambique: Bazaruto Lodge: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 8 April 1998: 2

9 April 1998

South Africa: Cowies Hill: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Cowies Hill Park: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Sugar Research Association Estate: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 9 April 1998: 3

11 April 1998

Swaziland: UNISWA, Kwaluseni Campus: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 April 1998: 1

13 April 1998

South Africa: Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Kilombero Valley: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 13 April 1998: 2

14 April 1998

South Africa: Hillcrest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 April 1998: 1

18 April 1998

Benin: Porto-Novo: Kleyn, L.J.K.: ZMA: 2 [2 - **2** - **2**].

Total Specimens for 18 April 1998: 2

19 April 1998

Tanzania: Ashanti-Geita: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 April 1998: 1

22 April 1998

Tanzania: Kilombero Valley: Howell, Kim M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 22 April 1998: 4

23 April 1998

South Africa: Suikerbosrand [=Suikerboschrand] Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 April 1998: 1

24 April 1998

Tanzania: Ashanti-Geita: Howell, Kim M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 24 April 1998: 4

25 April 1998

Tanzania: Kilombero Valley: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 April 1998: 1

26 April 1998

South Africa: Iphiva Camp: ?: Collector Unknown: DNSM: 5 [5 - **5**] - Mission Rocks: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mission Rocks Bat Cave: ?: Collector Unknown: DNSM: 4 [4 - **4** - **10**].

Total Specimens for 26 April 1998: 10

28 April 1998

Swaziland: Tshaneni Iysis Ranch: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 28 April 1998: 3

29 April 1998

South Africa: Iphiva Camp: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Swaziland: UNISWA, Kwaluseni Campus: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Tanzania: Kilombero Valley: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 April 1998: 5

5 May 1998

Central African Republic: Bohou River: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Tanzania: Kilombero Valley: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 May 1998: 2

7 May 1998

Central African Republic: Boukoko or La Maboké: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 7 May 1998: 1

9 May 1998

Tanzania: Kilombero Valley: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 May 1998: 2

18 May 1998

South Africa: Magoeskloof: Fernsby, Nigel: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 May 1998: 1

21 May 1998

South Africa: La Lucia: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 21 May 1998: 2

24 May 1998

South Africa: Umhlanga Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1998: 1

1 June 1998

South Africa: Ngwenya Lodge: Fernsby, Nigel: TM: 3 [3 - **3** - **3**].

Total Specimens for 1 June 1998: 3

4 June 1998

Egypt: Denderah [=Dandarah]: Fraas; Mangold: SMNS: 3 [3 - **3** - **3**].

Total Specimens for 4 June 1998: 3

5 June 1998

Central African Republic: Bohou River: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Tanzania: Kihansi Gorge: Cordeiro, Norbert J.: FMNH: 2 [2 - **2** - **2**].
Uganda: Nyabyeya Forestry College: Chupasko, Judith (Judy) Marie: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 June 1998: 4

6 June 1998

Tanzania: Kihansi Gorge: Cordeiro, Norbert J.: FMNH: 3 [3 - **3** - **3**].
Uganda: Nyabyeya Forestry College: Kityo, Robert N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1998: 4

7 June 1998

Uganda: Nyabyeya Forestry College: Kityo, Robert N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 June 1998: 1

8 June 1998

Central African Republic: Bohou River: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 8 June 1998: 1

9 June 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Sweet, Paul R.: AMNH: 2 [2 - **2** - **2**].
Tanzania: Kihansi Gorge: Cordeiro, Norbert J.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 9 June 1998: 7

11 June 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Sweet, Paul R.: AMNH: 2 [2 - **2** - **2**].
Tanzania: Kihansi Gorge: Cordeiro, Norbert J.: FMNH: 4 [4 - **4** - **4**].
Uganda: Nyabyeya Forestry College: Kityo, Robert N.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 11 June 1998: 8

12 June 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Beresford, Pamela: AMNH: 1 [1 - **1** - **1**].
Uganda: Nyabyeya Forestry College: ATBP Mammal Team: MCZ: 2 [2]; Chupasko, Judith (Judy) Marie: FMNH: 2 [2]; Kityo, Robert N.: FMNH: 3 [3 - **7** - **7**].

Total Specimens for 12 June 1998: 8

13 June 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Sweet, Paul R.: AMNH: 3 [3 - **3** - **3**].
South Africa: Game Valley Estates: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].
Uganda: Nyabyeya Forestry College: ATBP Mammal Team: MCZ: 1 [1]; Chupasko, Judith (Judy) Marie: FMNH: 2 [2]; Kityo, Robert N.: FMNH: 6 [6]; Kityo, Robert N.; ATBP Mammal Team: MCZ: 1 [1 - **10**] - Nyabyeya Forestry College, 0.5 km SE: Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **1**] - Nyafungo Nature Reserve: ATBP Mammal Team: MCZ: 2 [2 - **2** - **13**].

Total Specimens for 13 June 1998: 18

14 June 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Sweet, Paul R.: AMNH: 1 [1 - **1** - **1**].
South Africa: Hella Hella Game Valley Estates: ?: Collector Unknown: DNSM: 1 [1]; Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **3** - **3**].
Uganda: Nyabyeya Forestry College: Kityo, Robert N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1998: 5

15 June 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Sweet, Paul R.: AMNH: 1 [1 - **1** - **1**].
South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: Nyabyeya Forestry College: Kityo, Robert N.: FMNH: 3 [3 - **3**] - Nyafungo Nature Reserve: ATBP Mammal Team: MCZ: 1 [1 - **1** - **4**].

Total Specimens for 15 June 1998: 6

16 June 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Porzecanski, Ana Luz: AMNH: 1 [1 - **1** - **1**].
Uganda: Budongo Forest Royal mile: Kityo, Robert N.: FMNH: 2 [2 - **2**] - Budongo Forest Royal mile area: Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **1**] - Nyabyeya Forestry College: Kityo, Robert N.: FMNH: 8 [8]; Kityo, Robert N.; ATBP Mammal Team: MCZ: 1 [1 - **9**] - Nyafungo Nature Reserve: ATBP Mammal Team: MCZ: 1 [1 - **1** - **13**].

Total Specimens for 16 June 1998: 14

17 June 1998

Central African Republic: Bohou River: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Uganda: Budongo Forest Royal mile: Kityo, Robert N.: FMNH: 5 [5 - **5**] - Budongo Forest Royal mile area: ATBP Mammal Team: MCZ: 1 [1]; Chupasko, Judith (Judy) Marie: FMNH: 1 [1]; Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **3**] - Nyafungo Nature Reserve: Willard, David E.: MCZ: 1 [1 - **1** - **9**].

Total Specimens for 17 June 1998: 10

18 June 1998

South Africa: Hella-Hella Game Valley Estates: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].
Uganda: Budongo Forest Royal mile: Kityo, Robert N.: FMNH: 1 [1 - **1**] - Budongo Forest Royal mile area: ATBP Mammal Team: MCZ: 1 [1 - **1**] - Budongo Forest Royal mile Forest: Kityo, Robert N.: FMNH: 4 [4 - **4** - **6**].

Total Specimens for 18 June 1998: 7

19 June 1998

Central African Republic: Bohou River: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Uganda: Budongo Forest Royal mile area: Chupasko, Judith (Judy) Marie: FMNH: 1 [1]; Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **2**] - Budongo Forest Royal mile Forest: Kityo, Robert N.: FMNH: 5 [5 - **5**] - Nyabyeya Forestry College: Kityo, Robert N.: FMNH: 2 [2 - **2** - **9**].

Total Specimens for 19 June 1998: 10

20 June 1998

Uganda: Budongo Forest Royal mile area: Chupasko, Judith (Judy) Marie: FMNH: 1 [1 - **1**] - Nyabyeya Forestry College: Kisakye, John Joseph: MCZ: 1 [1]; Kityo, Robert N.: FMNH: 1 [1 - **2** - **3**].

Total Specimens for 20 June 1998: 3

23 June 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Porzecanski, Ana Luz: AMNH: 2 [2 - **2** - **2**].
Uganda: Nyabyeya Forestry College: Kityo, Robert N.: FMNH: 4 [4]; Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **5** - **5**].

Total Specimens for 23 June 1998: 7

24 June 1998

Uganda: Budongo Forest Royal mile area: Chupasko, Judith (Judy) Marie: FMNH: 2 [2 - **2**] - Nyabyeya Forestry College: Kityo, Robert N.: FMNH: 1 [1 - **1**] - Nyafungo Nature Reserve: Willard, David E.: MCZ: 1 [1 - **1** - **4**].

Total Specimens for 24 June 1998: 4

25 June 1998

South Africa: North Beach: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: Budongo Forest: Kityo, Robert N.: FMNH: 5 [5]; Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **6**] - Budongo Forest Nature Reserve: Kityo, Robert N.: FMNH: 10 [10 - **10** - **16**].

Total Specimens for 25 June 1998: 17

26 June 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Porzecanski, Ana Luz: AMNH: 1 [1]; Sweet, Paul R.: AMNH: 1 [1 - **2** - **2**].
South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: Budongo Forest Nature Reserve: Kityo, Robert N.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 26 June 1998: 5

27 June 1998

Uganda: Budongo Forest Nature Reserve: Kityo, Robert N.: FMNH: 2 [2 - **2**] - Nyafungo Nature Reserve: Solomon, M.T.: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 27 June 1998: 3

29 June 1998

Uganda: Busingiro Camp Site: Chupasko, Judith (Judy) Marie: FMNH: 1 [1]; Willard, David E.; Marks, B.: MCZ: 1 [1 - **2** - **2**].

Total Specimens for 29 June 1998: 2

30 June 1998

Uganda: Busingiro Camp Site: Chupasko, Judith (Judy) Marie: FMNH: 3 [3]; Willard, David E.; Marks, B.: MCZ: 1 [1 - **4** - **4**].

Total Specimens for 30 June 1998: 4

1 July 1998

South Africa: Midmar Training Centre: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1998: 1

2 July 1998

Uganda: Busingiro area: Kityo, Robert N.: FMNH: 8 [8 - **8**] - Busingiro Camp Site: Chupasko, Judith (Judy) Marie: FMNH: 1 [1]; Solomon, M.T.: FMNH: 2 [2 - **3** - **11**].

Total Specimens for 2 July 1998: 11

3 July 1998

Uganda: Busingiro area: Kityo, Robert N.: FMNH: 3 [3]; Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **4**] - Busingiro Camp Site: Solomon, M.T.: FMNH: 1 [1 - **1** - **5**].

Total Specimens for 3 July 1998: 5

4 July 1998

Uganda: Busingiro Camp Site: Chupasko, Judith (Judy) Marie: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 July 1998: 1

6 July 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Conway, Tenley M.: AMNH: 1 [1 - **1** - **1**].

South Africa: Richards Bay: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1998: 2

7 July 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Conway, Tenley M.: AMNH: 2 [2]; Lunde, Darrin P.: AMNH: 3 [3 - **5** - **5**].

Total Specimens for 7 July 1998: 5

8 July 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Conway, Tenley M.: AMNH: 3 [3]; Lunde, Darrin P.: AMNH: 2 [2 - **5** - **5**].

Total Specimens for 8 July 1998: 5

9 July 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Conway, Tenley M.: AMNH: 2 [2]; Lunde, Darrin P.: AMNH: 2 [2 - **4** - **4**].

Total Specimens for 9 July 1998: 4

10 July 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Conway, Tenley M.: AMNH: 2 [2]; Lunde, Darrin P.: AMNH: 2 [2 - **4** - **4**].

Total Specimens for 10 July 1998: 4

11 July 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Conway, Tenley M.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 July 1998: 1

12 July 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **1**].
Tanzania: Udzungwa Mts, Udzungwa Scarp Forest Reserve, Kihanga: Moyer, D.C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 July 1998: 2

14 July 1998

Central African Republic: Dzanga-Sangha Forest Reserve: Conway, Tenley M.: AMNH: 1 [1]; Lunde, Darrin P.: AMNH: 1 [1 - **2** - **2**].

Total Specimens for 14 July 1998: 2

19 July 1998

Ethiopia: Sof Omar cave: Bates, Paul J.J.; Pearch, Malcolm J.; Nurhussein, O.: HZM: 14 [14 - **14** - **14**].

Total Specimens for 19 July 1998: 14

22 July 1998

Tanzania: Kilombero Valley: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 July 1998: 1

26 July 1998

Tanzania: Segoma Forest Reserve: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 July 1998: 1

1 August 1998

Mozambique: Mkuzi Reserve: Kompanje, Erwin J.O.: NMR: 1 [1 - **1** - **1**].

Tanzania: Mwanza region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1998: 2

6 August 1998

Côte d'Ivoire: Unknown locality: Jocque: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 August 1998: 1

17 August 1998

South Africa: University of Durban: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].
Tanzania: Mwanza region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 17 August 1998: 4

19 August 1998

Tanzania: Ashanti-Geita: Howell, Kim M.: FMNH: 2 [2 - **2**] - Mwanza region: ?: Collector Unknown: SMF: 2 [2 - **2** - **4**].

Total Specimens for 19 August 1998: 4

26 August 1998

Tanzania: Segoma Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 August 1998: 1

5 September 1998

South Africa: Eshowe: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - Glenmore: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 5 September 1998: 2

6 September 1998

South Africa: Hillcrest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Swaziland: Sandleni Primary School: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1998: 2

17 September 1998

South Africa: Forest Hills: ?: Collector Unknown: DNSM: 1 [1 - **1**] - New Hanover school: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 17 September 1998: 2

1 October 1998

Tanzania: Dar es Salaam University: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 October 1998: 3

24 October 1998

South Africa: Unknown locality: Kearney, R.: MMK: 1 [1 - **1**] - Clarens: Kearney, R.: DNSM: 1 [1 - **1** - **2**].
Tanzania: Kele: Moyer, D.C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 October 1998: 3

26 October 1998

Tanzania: Kilombero Valley: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1998: 1

27 October 1998

South Africa: Hillary, Hillary School: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 October 1998: 1

1 November 1998

South Africa: Hennops River: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Pretoria - Kameeldrif, between: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 1 November 1998: 2

2 November 1998

South Africa: Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 November 1998: 1

7 November 1998

South Africa: Ballito: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 November 1998: 1

8 November 1998

South Africa: Vernon Crookes Nature Reserve: Burne, Clayton: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 November 1998: 1

14 November 1998

South Africa: St. Lucia: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 November 1998: 1

21 November 1998

South Africa: Lennox Farm: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1998: 1

28 November 1998

South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 November 1998: 1

29 November 1998

Mozambique: Mount Namuli: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 29 November 1998: 2

1 December 1998

South Africa: Hillcrest: ?: Collector Unknown: DNSM: 1 [1 - **1**] - St. Lucia: ?: Collector Unknown: DNSM: 3 [3 - **3** - **4**].

Total Specimens for 1 December 1998: 4

3 December 1998

South Africa: Hennops River: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 3 December 1998: 3

8 December 1998

South Africa: Durban: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 8 December 1998: 2

20 December 1998

South Africa: Burman Bush Nature Reserve: Greaves; Richardson: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 December 1998: 1

31 December 1998

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 31 December 1998: 1

1 January 1999

Congo: Unknown locality: ?: Collector Unknown: SMF: 26 [26 - **26** - **26**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].
South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Kloof Falls Road/ Bridle Road picnic site: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 1 January 1999: 33

4 January 1999

South Africa: Kingsburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 January 1999: 1

10 January 1999

South Africa: Eshowe: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 January 1999: 1

14 January 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 January 1999: 1

20 January 1999

South Africa: Kosi Bay Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 January 1999: 1

23 January 1999

Tanzania: Morogoro region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 23 January 1999: 3

26 January 1999

South Africa: Kosi Bay Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Town Bush: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 26 January 1999: 2

1 February 1999

South Africa: Kuduskop: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 February 1999: 2

5 February 1999

Tanzania: Amani-Sigi Forest Reserve: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 February 1999: 1

8 February 1999

South Africa: Durban: Smart, C.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 February 1999: 1

10 February 1999

Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 10 February 1999: 1

12 February 1999

South Africa: Warner Beach: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 February 1999: 1

13 February 1999

Tanzania: Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 February 1999: 1

16 February 1999

South Africa: University of Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 February 1999: 1

21 February 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 February 1999: 1

22 February 1999

South Africa: Hoopstad: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Total Specimens for 22 February 1999: 1

23 February 1999

South Africa: Westriding: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 23 February 1999: 2

26 February 1999

Tanzania: Tanga region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 26 February 1999: 3

28 February 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 28 February 1999: 1

1 March 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].
Djibouti: Ardo, 500 m E: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 1 March 1999: 4

4 March 1999

Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2]; Frontier Tanzania collection, The: SMF: 1 [1 - **3** - **3**].

Total Specimens for 4 March 1999: 3

5 March 1999

South Africa: Brighton Beach: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Segoma Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 March 1999: 2

8 March 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: Segoma Forest Reserve: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 2 [2 - **2** - **2**].

Total Specimens for 8 March 1999: 3

13 March 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 March 1999: 1

14 March 1999

Tanzania: Amani-Sigi Forest Reserve: Frontier Tanzania collection, The: SMF: 2 [2 - **2** - **2**].

Total Specimens for 14 March 1999: 2

16 March 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 March 1999: 1

18 March 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Queen Elizabeth Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 18 March 1999: 2

22 March 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 22 March 1999: 5

30 March 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 30 March 1999: 3

31 March 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3**] - Tai: ?: Collector Unknown: SMF: 1 [1 - **1** - **4**].

Total Specimens for 31 March 1999: 4

1 April 1999

Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: SMF: 25 [25 - **25**] - Kinshasa City province: ?: Collector Unknown: SMF: 77 [77 - **77** - **102**].
South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 April 1999: 103

2 April 1999

Zimbabwe: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 2 April 1999: 2

8 April 1999

South Africa: Hells Gate: ?: Collector Unknown: DNSM: 24 [24 - **24** - **24**].

Total Specimens for 8 April 1999: 24

9 April 1999

Namibia: Omega, 12 km E: Pallett, J.R.: SMW: 3 [3 - **3** - **3**].

Total Specimens for 9 April 1999: 3

10 April 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 10 April 1999: 3

16 April 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 April 1999: 1

25 April 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 13 [13 - **13** - **13**].

Total Specimens for 25 April 1999: 13

26 April 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 April 1999: 1

27 April 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 27 April 1999: 4

2 May 1999

Swaziland: Ezulwini: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 1999: 1

9 May 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 7 [7 - **7** - **7**].

Total Specimens for 9 May 1999: 7

10 May 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 5 [5 - **5**] - Comoé National Park: ?: Collector Unknown: SMF: 1 [1 - **1** - **6**].

Total Specimens for 10 May 1999: 6

12 May 1999

South Africa: Mount Moreland: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 May 1999: 1

13 May 1999

South Africa: Mount Edgecomb: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 May 1999: 1

14 May 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 4 [4 - **4** - **4**].

Total Specimens for 14 May 1999: 4

15 May 1999

The Gambia: Lamin Bridge: : SMF: 3 [3 - **3** - **3**].

Total Specimens for 15 May 1999: 3

17 May 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 46 [46 - **46** - **46**].

Total Specimens for 17 May 1999: 46

18 May 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 22 [22 - **22** - **22**].

Total Specimens for 18 May 1999: 22

19 May 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 52 [52 - **52** - **52**].

Total Specimens for 19 May 1999: 52

21 May 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 8 [8 - **8** - **8**].

Total Specimens for 21 May 1999: 8

22 May 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Kingpark: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 May 1999: 2

24 May 1999

Swaziland: Malkerns: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 May 1999: 1

25 May 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Bellair: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 May 1999: 2

6 June 1999

The Gambia: Banjul: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 June 1999: 1

8 June 1999

South Africa: Inkwazi Training Centre: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Phinda Game Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].

Total Specimens for 8 June 1999: 3

14 June 1999

South Africa: Bishopstowe cave: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 June 1999: 1

17 June 1999

South Africa: Newlands West: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 17 June 1999: 3

19 June 1999

South Africa: Overport: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 June 1999: 1

20 June 1999

The Gambia: Madianna: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 June 1999: 1

1 July 1999

Congo: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].
South Africa: Little Mowbray: ?: Collector Unknown: KU: 1 [1 - **1** - **1**].

Total Specimens for 1 July 1999: 5

2 July 1999

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 1 [1]; Steiner, H.: SMF: 1 [1 - **2** - **2**].

Total Specimens for 2 July 1999: 2

3 July 1999

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Cowies Hill: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 July 1999: 2

4 July 1999

Madagascar: Unknown locality: ?: Collector Unknown: SMF: 7 [7 - **7** - **7**].

Total Specimens for 4 July 1999: 7

6 July 1999

Madagascar: Mahajanga province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 July 1999: 1

15 July 1999

Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 July 1999: 1

25 July 1999

South Africa: Rietfontein Farm 536 KQ: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 July 1999: 1

1 August 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 August 1999: 1

2 August 1999

South Africa: Lydenburg Fisheries: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 2 August 1999: 1

4 August 1999

South Africa: Albert Falls Nature Reserve: Taylor, Peter John; Rahman: DNSM: 1 [1 - **1**] - Albert Falls Resource Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 4 August 1999: 2

8 August 1999

Tanzania: Kwamkoro-Kwamsambia Forest Reserve: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 August 1999: 1

11 August 1999

Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 August 1999: 1

13 August 1999

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 August 1999: 1

14 August 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 August 1999: 1

19 August 1999

Madagascar: Fianarantsoa province: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 August 1999: 1

20 August 1999

Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 20 August 1999: 2

23 August 1999

Lesotho: Pelaneng River, along: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 August 1999: 1

25 August 1999

Tanzania: Mulenge Forest: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 August 1999: 2

29 August 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 29 August 1999: 1

31 August 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 31 August 1999: 2

1 September 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 September 1999: 1

2 September 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 September 1999: 1

6 September 1999

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 September 1999: 1

9 September 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 September 1999: 1

10 September 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 10 September 1999: 1

12 September 1999

Namibia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 12 September 1999: 2

13 September 1999

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
The Gambia: Tanji River Bird Reserve: : SMF: 2 [2 - **2** - **2**].

Total Specimens for 13 September 1999: 3

14 September 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Kenya: Mbero Rock: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **1**].

Total Specimens for 14 September 1999: 3

15 September 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
The Gambia: Lamin Bridge: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 September 1999: 2

16 September 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 16 September 1999: 2

19 September 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 19 September 1999: 3

21 September 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 September 1999: 1

22 September 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 6 [6 - **6** - **6**].

Total Specimens for 22 September 1999: 6

24 September 1999

South Africa: Iphiva Camp: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 24 September 1999: 2

25 September 1999

South Africa: Iphiva Camp: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mission Rocks: ?: Collector Unknown: DNSM: 9 [9 - **9** - **10**].

Total Specimens for 25 September 1999: 10

1 October 1999

South Africa: Ballito-Westbrook: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 October 1999: 1

6 October 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 October 1999: 1

10 October 1999

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 8 [8 - **8** - **8**].

Total Specimens for 10 October 1999: 8

15 October 1999

The Gambia: Unknown locality: : SMF: 3 [3 - **3** - **3**].

Total Specimens for 15 October 1999: 3

18 October 1999

Congo (Democratic Republic of the): Geology House: Swanepoel, Robert (Bob): TM: 1 [1 - **1** - **1**].

Total Specimens for 18 October 1999: 1

19 October 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 14 [14 - **14** - **14**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Comoé National Park: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 19 October 1999: 16

20 October 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 35 [35 - **35** - **35**].
South Africa: Westbrook: Dillion, C.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 October 1999: 36

21 October 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 37 [37 - **37** - **37**].

Total Specimens for 21 October 1999: 37

22 October 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 69 [69 - **69** - **69**].

Total Specimens for 22 October 1999: 69

23 October 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 44 [44 - **44** - **44**].

Total Specimens for 23 October 1999: 44

24 October 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 53 [53 - **53** - **53**].

Total Specimens for 24 October 1999: 53

25 October 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 50 [50 - **50** - **50**].

Total Specimens for 25 October 1999: 50

26 October 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 October 1999: 1

27 October 1999

Congo (Democratic Republic of the): Goroumbwa Mine: Swanepoel, Robert (Bob): TM: 78 [78 - **78** - **78**].

Total Specimens for 27 October 1999: 78

30 October 1999

South Africa: Kosi Bay Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 October 1999: 1

31 October 1999

The Gambia: Unknown locality: : SMF: 2 [2 - **2**] - Jiboroh Kuta: : SMF: 1 [1 - **1** - **3**].

Total Specimens for 31 October 1999: 3

1 November 1999

Lesotho: Thaba-Tseka: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
South Africa: Yellow Wood Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Zambia: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 1 November 1999: 4

2 November 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 12 [12 - **12** - **12**].

Total Specimens for 2 November 1999: 12

4 November 1999

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 November 1999: 1

5 November 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 5 November 1999: 3

12 November 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 12 November 1999: 2

15 November 1999

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 10 [10 - **10** - **10**].

Total Specimens for 15 November 1999: 10

21 November 1999

Ghana: Wli Waterfall: Decher, Jan: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 November 1999: 1

25 November 1999

Madagascar: Amvavalatra: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
South Africa: Mount Moreland: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 November 1999: 2

26 November 1999

Ghana: Adanka Village, near: Kilpatrick, C. William: USNM: 2 [2 - **2** - **2**].

Total Specimens for 26 November 1999: 2

30 November 1999

South Africa: Berea: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 November 1999: 1

1 December 1999

South Africa: Albert Falls Resource Reserve: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Total Specimens for 1 December 1999: 4

2 December 1999

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 December 1999: 1

7 December 1999

South Africa: Queensburgh: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 7 December 1999: 2

12 December 1999

South Africa: Cato Ridge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 December 1999: 1

15 December 1999

South Africa: Gillets: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 December 1999: 1

16 December 1999

South Africa: Athlone Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 December 1999: 1

29 December 1999

South Africa: Reddersburgh Farm: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 December 1999: 1

30 December 1999

South Africa: Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 December 1999: 1

1 January 2000

Tanzania: Udzungwa mountains: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 January 2000: 1

6 January 2000

South Africa: Pietermaritzburg: Richardson; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 January 2000: 1

7 January 2000

South Africa: Hells Gate: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 January 2000: 1

10 January 2000

South Africa: Red Hill: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Xanadu Farm: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Total Specimens for 10 January 2000: 4

11 January 2000

South Africa: Sobhengu Lodge: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 11 January 2000: 2

12 January 2000

South Africa: Mission Rocks: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 2000: 1

13 January 2000

Ethiopia: Addis Abeba: Juste, Javier: EBD: 2 [2 - **2**] - Lalibela: Juste, Javier: EBD: 1 [1 - **1** - **3**].
South Africa: Hells Gate: ?: Collector Unknown: DNSM: 7 [7 - **7** - **7**].

Total Specimens for 13 January 2000: 10

20 January 2000

Ethiopia: Lalibela: Juste, Javier: EBD: 2 [2 - **2** - **2**].

Total Specimens for 20 January 2000: 2

22 January 2000

Tanzania: Mafinji Camp: Howell, Kim M.: FMNH: 1 [1 - **1**] - Morogoro region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 22 January 2000: 2

24 January 2000

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 January 2000: 1

26 January 2000

Ethiopia: Abune Yosef, mountain: Juste, Javier: EBD: 4 [4 - **4** - **4**].

Total Specimens for 26 January 2000: 4

29 January 2000

South Africa: Makatini Research Village Pongola River: Fernsby, Nigel: DNSM: 1 [1 - **1** - **1**].
The Gambia: Madiyana Camp: : SMF: 5 [5 - **5** - **5**].

Total Specimens for 29 January 2000: 6

30 January 2000

Ethiopia: Abiyacula: Juste, Javier: EBD: 12 [12 - **12** - **12**].
South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 January 2000: 13

31 January 2000

Ethiopia: Abiyacula: Juste, Javier: EBD: 1 [1 - **1**] - Lalibela: Juste, Javier: EBD: 3 [3 - **3** - **4**].

Total Specimens for 31 January 2000: 4

1 February 2000

Ethiopia: Lalibela: Juste, Javier: EBD: 1 [1 - **1** - **1**].
Tanzania: Utete: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 February 2000: 2

3 February 2000

Ethiopia: Medague: Juste, Javier: EBD: 2 [2 - **2** - **2**].

Total Specimens for 3 February 2000: 2

4 February 2000

The Gambia: Madiyana Camp: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 February 2000: 1

7 February 2000

South Africa: Mount Currie Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Sandrivierbrug: ?: Collector Unknown: NMB: 1 [1 - **1** - **2**].

Total Specimens for 7 February 2000: 2

9 February 2000

"Africa": Unknown locality: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].
South Africa: EKZN Wildlfe Headquarters: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Amani Nature Forest Reserve, NW-side: Frontier Tanzania collection, The: SMF: 2 [2 - **2**] - Tanga region: Frontier Tanzania collection, The: SMF: 6 [6 - **6** - **8**].

Total Specimens for 9 February 2000: 10

10 February 2000

Tanzania: Amani Nature Forest Reserve, NW-side: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Total Specimens for 10 February 2000: 2

25 February 2000

Gabon: Moukalaba Reserve: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 February 2000: 2

26 February 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Gabon: Moukalaba Reserve: Goodman, Steven M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 26 February 2000: 6

27 February 2000

Gabon: Moukalaba Reserve: Goodman, Steven M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 27 February 2000: 4

28 February 2000

Gabon: Moukalaba Reserve: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 February 2000: 1

29 February 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 February 2000: 2

1 March 2000

Gabon: Moukalaba Reserve: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 March 2000: 2

2 March 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 2 March 2000: 2

4 March 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 4 March 2000: 1

7 March 2000

Gabon: Mount Doudou fauna exploitation area: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 March 2000: 1

8 March 2000

Gabon: Mount Doudou fauna exploitation area: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 March 2000: 1

9 March 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 9 March 2000: 2

10 March 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Gabon: Mount Doudou fauna exploitation area: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 March 2000: 3

14 March 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
South Africa: Queen Elizabeth Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 2000: 2

15 March 2000

Gabon: Mount Doudou fauna exploitation area: Goodman, Steven M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 15 March 2000: 4

17 March 2000

South Africa: Spionkop Lodge: Taylor, Peter John: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 17 March 2000: 4

18 March 2000

Gabon: Mount Doudou fauna exploitation area: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 March 2000: 1

19 March 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Gabon: Mount Doudou fauna exploitation area: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 March 2000: 3

20 March 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 20 March 2000: 3

21 March 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 March 2000: 1

30 March 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 30 March 2000: 1

1 April 2000

Mauritius: Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 1 April 2000: 1

5 April 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 April 2000: 1

6 April 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 April 2000: 1

10 April 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 10 April 2000: 2

11 April 2000

South Africa: Hillcrest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 April 2000: 1

12 April 2000

South Africa: Hoopstad: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Total Specimens for 12 April 2000: 2

16 April 2000

The Gambia: Abuko Nature Reserve: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 April 2000: 1

25 April 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 April 2000: 1

30 April 2000

Morocco: Kef Azigza cave: Ibáñez Uargui, Carlos J.; Juste, Javier; Garrido, J.A.; Quetglas, Juan: EBD: 1 [1]; Ibáñez Uargui, Carlos J.; Juste, Javier; Quetglas, Juan: EBD: 15 [15]; Juste, Javier; Quetglas, Juan; Ibáñez Uargui, Carlos J.; Garrido, H.: EBD: 2 [2 - **18** - **18**].

Total Specimens for 30 April 2000: 18

1 May 2000

Morocco: Kef Azigza cave: Ibáñez Uargui, Carlos J.; Juste, Javier; Quetglas, Juan: EBD: 2 [2 - **2** - **2**].
South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Khayalami Bay: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 1 May 2000: 4

2 May 2000

Morocco: Afnourir, lake: Juste, Javier; Quetglas, Juan; Ibáñez Uargui, Carlos J.; Garrido, H.: EBD: 2 [2 - **2** - **2**].
The Gambia: Jappeni, near: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 May 2000: 3

4 May 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 4 May 2000: 3

6 May 2000

Côte d'Ivoire: Comoé National Park: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 May 2000: 1

9 May 2000

South Africa: Waterfall: Ratcliffe, H.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 9 May 2000: 1

10 May 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 10 May 2000: 2

11 May 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 May 2000: 1

12 May 2000

The Gambia: Unknown locality: ?: Collector Unknown: SMF: 1 [1]; : SMF: 6 [6 - **7**] - Solifor Point, 500 m S: : SMF: 1 [1 - **1** - **8**].

Total Specimens for 12 May 2000: 8

14 May 2000

The Gambia: Unknown locality: : SMF: 2 [2 - **2**] - Solifor Point, 500 m S: : SMF: 1 [1 - **1** - **3**].

Total Specimens for 14 May 2000: 3

16 May 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 May 2000: 1

20 May 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].
The Gambia: Abuko Nature Reserve: : SMF: 8 [8 - **8** - **8**].

Total Specimens for 20 May 2000: 11

21 May 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 May 2000: 1

22 May 2000

South Africa: Doonside: ?: Collector Unknown: DNSM: 1 [1]; Brummer, V.: DNSM: 1 [1 - **2** - **2**].

Total Specimens for 22 May 2000: 2

25 May 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 25 May 2000: 3

26 May 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 May 2000: 1

30 May 2000

Cameroon: Sakbayémé, 26 km NE: Patton, James L.: MVZ: 3 [3 - **3** - **3**].
Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 30 May 2000: 5

31 May 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 31 May 2000: 2

1 June 2000

Cameroon: Obala, 6 km E: Patton, James L.: MVZ: 3 [3 - **3** - **3**].
Swaziland: Kapola cave: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 2000: 4

6 June 2000

Malawi: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 6 June 2000: 1

7 June 2000

Tanzania: Utete: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
The Gambia: Unknown locality: : SMF: 2 [2 - **2**] - Abuko Nature Reserve: : SMF: 3 [3 - **3** - **5**].

Total Specimens for 7 June 2000: 6

11 June 2000

South Africa: Hells Gate: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 11 June 2000: 2

14 June 2000

Swaziland: Malkerns: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 June 2000: 1

17 June 2000

Tanzania: Nilo Forest Reserve: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 June 2000: 1

25 June 2000

Tanzania: Tanga region: ?: Collector Unknown: SMF: 6 [6 - **6** - **6**].

Total Specimens for 25 June 2000: 6

28 June 2000

South Africa: Hells Gate: ?: Collector Unknown: DNSM: 26 [26 - **26**] - Hells Gate Military Base: ?: Collector Unknown: DNSM: 1 [1]; Taylor, Peter John; *et al.*: HNHM: 6 [6 - **7** - **33**].

Total Specimens for 28 June 2000: 33

29 June 2000

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 29 June 2000: 5

8 July 2000

Tanzania: Tanga region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 8 July 2000: 3

10 July 2000

Tanzania: Mkungwe Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 2000: 1

11 July 2000

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 July 2000: 1

20 July 2000

Tanzania: Tanga region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 20 July 2000: 3

21 July 2000

South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 July 2000: 1

22 July 2000

Tanzania: Udzungwa Mts, West Kilombero Scarp Forest Reserve, Ndundulu Forest: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 July 2000: 1

23 July 2000

South Africa: Reservoir Hills: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Mvuha Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 July 2000: 2

26 July 2000

Tanzania: Tanga region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 26 July 2000: 3

29 July 2000

South Africa: Hlabeni Forest Reserve: Forbes, D.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 July 2000: 1

2 August 2000

Tanzania: Kasanga Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].

Total Specimens for 2 August 2000: 3

3 August 2000

Tanzania: Nilo Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].

Total Specimens for 3 August 2000: 3

4 August 2000

South Africa: Msinsi Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Nyumbanitu Forest: Howell, Kim M.: FMNH: 1 [1 - **1**] - Udzungwa Mts, West Kilombero Scarp Forest Reserve, Ndundulu Forest: Frontier Tanzania collection, The; Howell, Kim M.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 4 August 2000: 3

6 August 2000

Tanzania: Nguru North Forest Reserve: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - Nyumbanitu Forest: Howell, Kim M.: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 6 August 2000: 3

7 August 2000

Nigeria: Enugu state: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 August 2000: 1

12 August 2000

Tanzania: Mkungwe Forest Reserve: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 12 August 2000: 2

15 August 2000

Tanzania: Nyumbanitu Forest: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 August 2000: 1

17 August 2000

South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Nyumbanitu Forest: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 August 2000: 2

18 August 2000

Tanzania: East Usambara Mts, Monga Tea Estate: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - Nyumbanitu Forest: Howell, Kim M.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 18 August 2000: 2

19 August 2000

Nigeria: Imo state: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 August 2000: 1

21 August 2000

Tanzania: Milaliwila Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1**] - Ngambaula Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 21 August 2000: 2

27 August 2000

Tanzania: Nyumbanitu Forest: Howell, Kim M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 27 August 2000: 3

31 August 2000

Tanzania: Kibebe farms: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 31 August 2000: 2

7 September 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 7 September 2000: 3

8 September 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
The Gambia: Jiroff, near: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 September 2000: 2

12 September 2000

Nigeria: Enugu state: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 12 September 2000: 3

15 September 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 8 [8 - **8** - **8**].

Total Specimens for 15 September 2000: 8

16 September 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
The Gambia: Tanji and Brufut, between: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 September 2000: 2

20 September 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 20 September 2000: 2

21 September 2000

Nigeria: Imo state: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 September 2000: 1

26 September 2000

Nigeria: Independence Layout: Ebigbo, Njikoha M.: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 September 2000: 1

27 September 2000

Nigeria: Enugu state: ?: Collector Unknown: SMF: 25 [25 - **25** - **25**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 27 September 2000: 28

30 September 2000

South Africa: Mount Edgecombe: Taylor, Peter John: HNHM: 2 [2 - **2** - **2**].

Total Specimens for 30 September 2000: 2

4 October 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 4 October 2000: 5

9 October 2000

South Africa: Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 9 October 2000: 4

14 October 2000

Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 14 October 2000: 2

15 October 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 October 2000: 1

22 October 2000

Tanzania: New Dabaga/Ulangambi Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 October 2000: 1

25 October 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 October 2000: 1

26 October 2000

Zimbabwe: Lutope Ngolangola Confluence: Cotterill, F.P.D. [=Woody]; Taylor, Peter John: NHMZ: 2 [2 - **2** - **2**].

Total Specimens for 26 October 2000: 2

1 November 2000

Tanzania: New Dabaga/Ulangambi Forest Reserve: Howell, Kim M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 1 November 2000: 4

2 November 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: New Dabaga/Ulangambi Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 November 2000: 2

3 November 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 November 2000: 1

5 November 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 5 November 2000: 1

7 November 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 7 November 2000: 1

8 November 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 November 2000: 1

9 November 2000

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 9 November 2000: 1

10 November 2000

Tanzania: Tanga region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 10 November 2000: 3

14 November 2000

The Gambia: Abuko Nature Reserve: : SMF: 1 [1 - **1** - **1**].

Total Specimens for 14 November 2000: 1

16 November 2000

Tanzania: Nyumbanitu Forest: Howell, Kim M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 16 November 2000: 4

17 November 2000

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 November 2000: 1

20 November 2000

South Africa: Komatipoort: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 November 2000: 1

21 November 2000

South Africa: Westmead: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 November 2000: 1

24 November 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 6 [6 - **6** - **6**].
South Africa: Pafuri: MacFadyen, D.; Kone, J.: TM: 25 [25 - **25** - **25**].

Total Specimens for 24 November 2000: 31

25 November 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 9 [9 - **9** - **9**].

Total Specimens for 25 November 2000: 9

26 November 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 November 2000: 1

27 November 2000

Tanzania: Ukami Forest: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 November 2000: 2

29 November 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 29 November 2000: 1

2 December 2000

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 December 2000: 1

11 December 2000

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 December 2000: 1

20 December 2000

Benin: Porto Novo National Botanical Garden: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 20 December 2000: 1

21 December 2000

Benin: Porto Novo National Botanical Garden: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].

Total Specimens for 21 December 2000: 3

27 December 2000

South Africa: Bellar Adduss: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 December 2000: 1

1 January 2001

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Nagle Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
The Gambia: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 January 2001: 3

11 January 2001

South Africa: Farm De Kafferskraal 53JT: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 January 2001: 1

12 January 2001

South Africa: Windermere: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 2001: 1

15 January 2001

South Africa: Lydenburg: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 2001: 1

18 January 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 18 January 2001: 2

19 January 2001

Ghana: Bia: Bankovics, A.: HNHM: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 19 January 2001: 3

21 January 2001

South Africa: Animal Lodge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 January 2001: 1

22 January 2001

Madagascar: Grotte d'Andrafiabe, forêt près: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].
The Gambia: Central River division: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 January 2001: 2

23 January 2001

Madagascar: Grotte d'Andrafiabe, forêt près: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 23 January 2001: 4

25 January 2001

South Africa: Forest Hills: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Kwamgumi Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 January 2001: 2

26 January 2001

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 26 January 2001: 2

27 January 2001

South Africa: Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 2001: 1

28 January 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 28 January 2001: 2

29 January 2001

Ethiopia: Koha Dairy Development: Schlitter, Duane Albert: BRTC: 3 [3 - **3** - **3**].

Total Specimens for 29 January 2001: 3

2 February 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 2 February 2001: 4

5 February 2001

South Africa: Farm Vergelegen 80JS, Loskop Dam Wall Inspection Tunnel: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 February 2001: 1

6 February 2001

South Africa: Durban CBD: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 February 2001: 1

7 February 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 7 February 2001: 5

8 February 2001

Ethiopia: Koma Forest, 5 km N, 20 km W: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Total Specimens for 8 February 2001: 1

9 February 2001

Ethiopia: Koma Forest, 5 km N, 20 km W: ?: Collector Unknown: BRTC: 3 [3 - **3** - **3**].

Total Specimens for 9 February 2001: 3

10 February 2001

Ethiopia: Koma Forest, 5 km N, 20 km W: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 10 February 2001: 3

11 February 2001

South Africa: New Castle: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 February 2001: 1

12 February 2001

Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2**] - Kinshasa City province: ?: Collector Unknown: SMF: 10 [10 - **10** - **12**].
Ethiopia: Bishan Waka Lake, E side shore: ?: Collector Unknown: BRTC: 3 [3 - **3** - **3**].
South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 12 February 2001: 18

13 February 2001

Congo: Likouala department: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Ethiopia: Bishan Waka Lake, E side shore: ?: Collector Unknown: BRTC: 5 [5 - **5** - **5**].

Total Specimens for 13 February 2001: 6

14 February 2001

Ethiopia: Abiy No. 3, 0.5 km S: ?: Collector Unknown: BRTC: 4 [4 - **4**] - Bishan Waka Lake, E side shore: ?: Collector Unknown: BRTC: 2 [2 - **2** - **6**].

Total Specimens for 14 February 2001: 6

15 February 2001

Tanzania: Semdoe Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 5 [5 - **5** - **6**].

Total Specimens for 15 February 2001: 6

16 February 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 February 2001: 1

17 February 2001

Ethiopia: Bishan Waka Lake, E side shore: ?: Collector Unknown: BRTC: 1 [1 - **1**] - Bora River Bridge: ?: Collector Unknown: BRTC: 5 [5 - **5** - **6**].
South Africa: Farm Victoriaspoort 18IT: Cohen, Lientjie; Fernsby, Nigel: TM: 3 [3 - **3** - **3**].

Total Specimens for 17 February 2001: 9

18 February 2001

Ethiopia: Bora River Bridge: ?: Collector Unknown: BRTC: 2 [2 - **2**] - Dogy River Bridge: ?: Collector Unknown: BRTC: 2 [2 - **2** - **4**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 February 2001: 5

19 February 2001

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 19 February 2001: 4

20 February 2001

South Africa: Hartburg: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Hartburg Bambi: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Tanzania: Semdoe Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].

Total Specimens for 20 February 2001: 5

21 February 2001

Ethiopia: Dogy River Bridge: ?: Collector Unknown: BRTC: 3 [3]; Schlitter, Duane Albert: BRTC: 1 [1 - **4** - **4**].
South Africa: Townlands of Mathinus Wesselstroom: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 February 2001: 5

22 February 2001

Ethiopia: Dogy River Bridge: ?: Collector Unknown: BRTC: 15 [15 - **15** - **15**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 22 February 2001: 19

23 February 2001

Ethiopia: Dogy River Bridge: ?: Collector Unknown: BRTC: 14 [14]; Schlitter, Duane Albert: BRTC: 1 [1 - **15** - **15**].

Total Specimens for 23 February 2001: 15

25 February 2001

Ethiopia: Dogy River Bridge: ?: Collector Unknown: BRTC: 20 [20 - **20** - **20**].

Total Specimens for 25 February 2001: 20

26 February 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 26 February 2001: 2

28 February 2001

Congo (Democratic Republic of the): Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1**] - Kinshasa City province: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].

Total Specimens for 28 February 2001: 3

2 March 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 2 March 2001: 1

3 March 2001

South Africa: Insizwe Mine: ?: Collector Unknown: DNSM: 7 [7]; Taylor, Peter John: DNSM: 1 [1 - **8**] - Waterberg, Farm Klipfontein 54JS: Cohen, Lientjie: TM: 1 [1 - **1** - **9**].

Total Specimens for 3 March 2001: 9

5 March 2001

Ethiopia: Didessa river bridge: ?: Collector Unknown: BRTC: 7 [7 - **7** - **7**].

Total Specimens for 5 March 2001: 7

6 March 2001

Ethiopia: Satema, 1.5 km N, 0.5 km W: ?: Collector Unknown: BRTC: 24 [24 - **24** - **24**].

Total Specimens for 6 March 2001: 24

7 March 2001

Ethiopia: Satema, 1.5 km N, 0.5 km W: ?: Collector Unknown: BRTC: 4 [4 - **4** - **4**].
South Africa: KwaMakuta Township: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 March 2001: 5

9 March 2001

South Africa: Boston, Virginia Farm: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 March 2001: 1

11 March 2001

Mali: Mopti region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 11 March 2001: 2

12 March 2001

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mooketsi: Fernsby, Nigel: TM: 2 [2 - **2** - **3**].

Total Specimens for 12 March 2001: 3

13 March 2001

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Tanzania: Semdoe Forest Reserve: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 March 2001: 2

14 March 2001

South Africa: Reddersberg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 March 2001: 1

16 March 2001

South Africa: Lydenburg Fisheries: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 March 2001: 1

26 March 2001

South Africa: Schoemans farm "Laughing Waters": ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 26 March 2001: 2

28 March 2001

South Africa: Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 March 2001: 1

31 March 2001

South Africa: Sabie Forest Rest Area: Constantine, Denny G.: MVZ: 2 [2 - **2** - **2**].

Total Specimens for 31 March 2001: 2

1 April 2001

Tanzania: Pwani region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 1 April 2001: 3

2 April 2001

South Africa: Jozini Dam: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Pongolapoort Dam: ?: Collector Unknown: DNSM: 6 [6 - **6** - **8**].

Total Specimens for 2 April 2001: 8

3 April 2001

South Africa: Mkaya Camp: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 3 April 2001: 4

5 April 2001

South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 April 2001: 1

8 April 2001

Tanzania: Pwani region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 8 April 2001: 2

12 April 2001

São Tomé and Principé: Fundo de Igresa valley: Long, Douglas J.: CAS: 10 [10 - **10**] - Ribeira Piexe: Long, Douglas J.: CAS: 2 [2 - **2** - **12**].

Total Specimens for 12 April 2001: 12

13 April 2001

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 April 2001: 1

15 April 2001

São Tomé and Principé: Rio Contador valley, S side: Long, Douglas J.: CAS: 10 [10 - **10** - **10**].
South Africa: Farm Elandsfontein 435KT: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Total Specimens for 15 April 2001: 12

17 April 2001

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 April 2001: 1

18 April 2001

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 18 April 2001: 2

20 April 2001

São Tomé and Principé: San Antonio: Long, Douglas J.: CAS: 33 [33 - **33** - **33**].

Total Specimens for 20 April 2001: 33

27 April 2001

São Tomé and Principé: Ponta Barra Bobo and Praia da Mutamba, coast road between: Long, Douglas J.: CAS: 11 [11 - **11**] - Praia da Mutamba, 50 m inland coast road: Long, Douglas J.: CAS: 2 [2 - **2** - **13**].

Total Specimens for 27 April 2001: 13

29 April 2001

São Tomé and Principé: Fernandina Coco palm plantation: Long, Douglas J.: CAS: 4 [4 - **4** - **4**].

Total Specimens for 29 April 2001: 4

1 May 2001

South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 2001: 1

6 May 2001

South Africa: Berlin: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Total Specimens for 6 May 2001: 2

13 May 2001

South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 May 2001: 1

15 May 2001

Mali: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 15 May 2001: 2

16 May 2001

Mali: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 16 May 2001: 3

17 May 2001

The Gambia: Western division: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 May 2001: 1

18 May 2001

Tanzania: Pwani region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 18 May 2001: 1

20 May 2001

The Gambia: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3**] - Western division: ?: Collector Unknown: SMF: 2 [2 - **2** - **5**].

Total Specimens for 20 May 2001: 5

21 May 2001

The Gambia: Western division: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 May 2001: 1

25 May 2001

The Gambia: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 25 May 2001: 3

26 May 2001

Mozambique: Manhoe forest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Africa: Sabie Forest Rest Area: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
The Gambia: Unknown locality: ?: Collector Unknown: SMF: 10 [10 - **10** - **10**].

Total Specimens for 26 May 2001: 12

9 June 2001

Namibia: Farm Kanabeam 331: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 June 2001: 2

16 June 2001

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 16 June 2001: 1

17 June 2001

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 17 June 2001: 1

20 June 2001

South Africa: Balule Private Nature Reserve, Oliphants River: Barlow, C.: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 June 2001: 1

23 June 2001

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 23 June 2001: 1

26 June 2001

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].

Total Specimens for 26 June 2001: 8

9 July 2001

Congo (Democratic Republic of the): Lwiro: Huhndorf, Michael H.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 9 July 2001: 3

13 July 2001

Congo (Democratic Republic of the): Lwiro: Huhndorf, Michael H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 July 2001: 2

17 July 2001

Swaziland: Pine Valley: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 2001: 1

19 July 2001

Congo (Democratic Republic of the): Washiha Forest: Huhndorf, Michael H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 19 July 2001: 2

20 July 2001

South Africa: Komatipoort: Jacobs, Sgts.: TM: 3 [3 - **3** - **3**].

Total Specimens for 20 July 2001: 3

22 July 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 July 2001: 1

23 July 2001

Swaziland: Python Pool: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 July 2001: 1

24 July 2001

Madagascar: Antafiky: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 24 July 2001: 4

26 July 2001

Swaziland: Siphiso campsite: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 26 July 2001: 3

2 August 2001

Tanzania: Mbizi Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 August 2001: 1

6 August 2001

South Africa: Soutpansberg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 August 2001: 1

9 August 2001

Tanzania: Kibebe farms: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 August 2001: 2

11 August 2001

Ghana: Volta region: ?: Collector Unknown: SMF: 7 [7 - **7**] - Wli Waterfall: ?: Collector Unknown: SMF: 2 [2]; Decher, Jan: SMF: 1 [1 - **3** - **10**].

Total Specimens for 11 August 2001: 10

13 August 2001

Ghana: Volta region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
South Africa: Van Reenen: Kemp, S.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 August 2001: 3

14 August 2001

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 August 2001: 1

16 August 2001

South Africa: Balule Private Nature Reserve, Oliphants River: Fernsby, Nigel: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 2001: 1

18 August 2001

Ghana: Volta region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 18 August 2001: 2

22 August 2001

Ghana: Volta region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 22 August 2001: 2

24 August 2001

Ghana: Shiare: ?: Collector Unknown: SMF: 1 [1 - **1**] - Volta region: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].

Total Specimens for 24 August 2001: 3

26 August 2001

Ghana: Apesokubi: ?: Collector Unknown: SMF: 1 [1 - **1**] - Volta region: ?: Collector Unknown: SMF: 2 [2 - **2**] - Wli Waterfall: ?: Collector Unknown: SMF: 1 [1 - **1** - **4**].

Total Specimens for 26 August 2001: 4

27 August 2001

Ghana: Volta region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 27 August 2001: 1

29 August 2001

Ghana: Volta region: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 29 August 2001: 2

15 September 2001

Malawi: Balaka district: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 September 2001: 1

16 September 2001

South Africa: Waterberg Game Farm, at small man-made ponds within camp: Rosevear, Donovan Reginald: TM: 1 [1]; Seamark, Ernest Charles James: TM: 1 [1 - **2**] - Waterberg, Waterberg Game Farm, Dassie Cave: Seamark, Ernest Charles James: TM: 1 [1 - **1** - **3**].

Total Specimens for 16 September 2001: 3

17 September 2001

South Africa: Waterberg Game Farm, at small man-made ponds within camp: Seamark, Ernest Charles James: TM: 3 [3 - **3** - **3**].

Total Specimens for 17 September 2001: 3

18 September 2001

South Africa: Waterberg, Waterberg Game Farm, Dassie Cave: Seamark, Ernest Charles James: TM: 2 [2 - **2** - **2**].

Total Specimens for 18 September 2001: 2

19 September 2001

South Africa: Waterberg Game Farm, at small man-made ponds within camp: SANTI: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 September 2001: 1

13 October 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 13 October 2001: 4

20 October 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 20 October 2001: 5

25 October 2001

South Africa: Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 October 2001: 1

1 November 2001

Madagascar: Grotte d'Andrafiabe, forêt près: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 November 2001: 2

4 November 2001

South Africa: Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 November 2001: 1

5 November 2001

Egypt: Shenhour: Van Neer, Wim: RMCA: 3 [3 - **3** - **3**].
Madagascar: Daraina: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 5 November 2001: 5

11 November 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 11 November 2001: 1

13 November 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 13 November 2001: 1

15 November 2001

South Africa: Suikerbosrand [=Suikerboschrand] Nature Reserve: Peinke, Dean M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 November 2001: 1

16 November 2001

Tanzania: Tanga region: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 16 November 2001: 3

20 November 2001

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 November 2001: 1

21 November 2001

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 21 November 2001: 3

24 November 2001

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 24 November 2001: 1

25 November 2001

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 November 2001: 1

27 November 2001

South Africa: Mount Moreland: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 November 2001: 1

29 November 2001

South Africa: Umhlanga Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Tanga region: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Total Specimens for 29 November 2001: 6

30 November 2001

South Africa: Khayalami Bay: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 November 2001: 1

2 December 2001

Madagascar: PN de Bemaraha, south bank Manambolo River, near Tombeau Vazimba: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
South Africa: Umhlanga Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 December 2001: 2

8 December 2001

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 8 December 2001: 1

9 December 2001

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 9 December 2001: 2

21 December 2001

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 21 December 2001: 5

1 January 2002

Benin: Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].
Congo (Democratic Republic of the): Cave C.8.1: Kimbembi-ma-Ibaka, A.: ZMA: 1 [1 - **1**] - Cave C.8.2: Kimbembi-ma-Ibaka, A.: ZMA: 1 [1 - **1**] - Mani cave or Nkela cave: Kimbembi-ma-Ibaka, A.: RMCA: 3 [3 - **3**] - Ntoto cave: Kimbembi-ma-Ibaka, A.: RMCA: 1 [1 - **1** - **6**].
Gabon: Ogooue-Maritime province: Hoffmann, Federico G.: USNM: 8 [8 - **8**] - Ossengue Camp site: Porter, Calvin A.: USNM: 1 [1 - **1** - **9**].
South Africa: Kamberg Valley: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 2002: 17

10 January 2002

South Africa: Bellair: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 January 2002: 1

1 February 2002

South Africa: Khayalami Bay: ?: Collector Unknown: DNSM: 9 [9 - **9** - **9**].

Total Specimens for 1 February 2002: 9

2 February 2002

Egypt: Hierakopolis: Van Neer, Wim: RMCA: 3 [3 - **3** - **3**].

Total Specimens for 2 February 2002: 3

10 February 2002

South Africa: Durban International Airport: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 February 2002: 1

15 February 2002

South Africa: Umhalanga: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 February 2002: 1

20 February 2002

Gabon: Ossengue Camp site: Porter, Calvin A.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 20 February 2002: 3

22 February 2002

Gabon: Ossengue Camp site: Porter, Calvin A.: USNM: 3 [3 - **3**] - Rabi Oil Field: Porter, Calvin A.: USNM: 3 [3 - **3** - **6**].

Total Specimens for 22 February 2002: 6

23 February 2002

Gabon: Ossengue Camp site: Hoffmann, Federico G.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 23 February 2002: 4

24 February 2002

Gabon: M'Bari site: Porter, Calvin A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 24 February 2002: 1

25 February 2002

Gabon: M'Bari site: Hoffmann, Federico G.: USNM: 1 [1]; Porter, Calvin A.: USNM: 1 [1 - **2**] - Rabi Oil Field, 3 km N airport terminal: Porter, Calvin A.: USNM: 1 [1 - **1** - **3**].
South Africa: Umhlanga Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 February 2002: 4

26 February 2002

Gabon: Rabi Oil Field, 3 km N airport terminal: Hoffmann, Federico G.: USNM: 2 [2]; Porter, Calvin A.: USNM: 5 [5 - **7** - **7**].

Total Specimens for 26 February 2002: 7

27 February 2002

Gabon: Rabi Oil Field: Porter, Calvin A.: USNM: 1 [1 - **1**] - Rabi Oil Field, 3 km N airport terminal: Porter, Calvin A.: USNM: 1 [1 - **1**] - Rabi Oil Field, 6 km N airport terminal: Porter, Calvin A.: USNM: 1 [1 - **1** - **3**].

Total Specimens for 27 February 2002: 3

28 February 2002

Madagascar: Mitoho Cave, near: ?: Collector Unknown: FMNH: 15 [15 - **15** - **15**].

Total Specimens for 28 February 2002: 15

2 March 2002

Gabon: Rabi Oil Field: Porter, Calvin A.: USNM: 1 [1 - **1**] - Toucan Site: Porter, Calvin A.: USNM: 2 [2 - **2** - **3**].
Madagascar: Mitoho Cave, near: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 March 2002: 4

3 March 2002

South Africa: Farm Sudwalaskraal 271JT: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 March 2002: 1

4 March 2002

Gabon: Ossengue Camp site: Hoffmann, Federico G.: USNM: 2 [2 - **2**] - Toucan Site: Hoffmann, Federico G.: USNM: 1 [1]; Porter, Calvin A.: USNM: 3 [3 - **4** - **6**].
Madagascar: Malaza Manga Aven: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 March 2002: 7

5 March 2002

Madagascar: Sept Lacs: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 March 2002: 1

6 March 2002

Gabon: Rabi 59 site: Porter, Calvin A.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 6 March 2002: 1

7 March 2002

Gabon: Rabi 59 site: Porter, Calvin A.: USNM: 3 [3 - **3** - **3**].
South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 March 2002: 4

8 March 2002

Gabon: Rabi 59 site: Hoffmann, Federico G.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 8 March 2002: 1

10 March 2002

Gabon: M'Bari site: Hoffmann, Federico G.: USNM: 2 [2 - **2**] - Rabi Oil Field, 6 km N airport terminal: Porter, Calvin A.: USNM: 3 [3 - **3** - **5**].

Total Specimens for 10 March 2002: 5

11 March 2002

Gabon: Ossengue Camp site: Porter, Calvin A.: USNM: 4 [4 - **4** - **4**].

Total Specimens for 11 March 2002: 4

12 March 2002

Gabon: M'Bari site: Hoffmann, Federico G.: USNM: 3 [3 - **3** - **3**].

Total Specimens for 12 March 2002: 3

13 March 2002

Gabon: Ossengue Camp site: Hoffmann, Federico G.: USNM: 1 [1 - **1** - **1**].
South Africa: Durban International Airport: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 March 2002: 2

14 March 2002

Gabon: M'Bari site: Porter, Calvin A.: USNM: 1 [1 - **1**] - Ossengue Camp site: Porter, Calvin A.: USNM: 1 [1 - **1** - **2**].

Total Specimens for 14 March 2002: 2

19 March 2002

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 19 March 2002: 1

20 March 2002

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 20 March 2002: 1

25 March 2002

Côte d'Ivoire: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 25 March 2002: 2

30 March 2002

South Africa: Musgrave: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 March 2002: 1

6 April 2002

South Africa: Pongola Bush NR.: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 April 2002: 1

8 April 2002

Madagascar: Réserve Spéciale d'Ankarana, Canyon d'Antsiroandoa Centre: Razakarivony, Vola; Cardiff, Scott G.: FMNH: 6 [6 - **6** - **6**].
South Africa: Manor Gardens: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Tanzania: Kigwembinbi: Moyer, D.C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 April 2002: 8

11 April 2002

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Levuvhu: Fernsby, Nigel: TM: 1 [1 - **1** - **2**].

Total Specimens for 11 April 2002: 2

15 April 2002

South Africa: Kloof area: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 April 2002: 1

30 April 2002

Mauritania: Terjit: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].

Total Specimens for 30 April 2002: 1

5 May 2002

South Africa: Farm Klipgat 217JT: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Total Specimens for 5 May 2002: 2

6 May 2002

South Africa: Farm Sterkspruit 412KT: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 May 2002: 1

7 May 2002

Madagascar: Ambanilia cave: ?: Collector Unknown: FMNH: 11 [11 - **11** - **11**].
South Africa: Hennops River: Fernsby, Nigel: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 May 2002: 12

8 May 2002

Madagascar: Bisihiko cave: ?: Collector Unknown: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 8 May 2002: 7

12 May 2002

Libya: Al Burdi: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].
South Africa: Boston: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 May 2002: 2

13 May 2002

Libya: Al Jaghbub: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 2 [2 - **2** - **2**].

Total Specimens for 13 May 2002: 2

15 May 2002

Libya: Wadi Darnah: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 3 [3 - **3** - **3**].

Total Specimens for 15 May 2002: 3

16 May 2002

Libya: Wadi Darnah cave: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].

Total Specimens for 16 May 2002: 1

17 May 2002

Libya: Wadi al Minshiyah: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].

Total Specimens for 17 May 2002: 1

18 May 2002

Libya: 'Arqub Ash Shafshaf: Benda, Petr; Hanák, Vladimir; Andreas, Michal; Reiter, Antonin; Uhrin, Marcel: NMP: 3 [3 - **3** - **3**].

Total Specimens for 18 May 2002: 3

19 May 2002

Libya: Al Bayda: Benda, Petr; Hanák, Vladimir; Andreas, Michal; Reiter, Antonin; Uhrin, Marcel: NMP: 4 [4 - **4** - **4**].

Total Specimens for 19 May 2002: 4

20 May 2002

Libya: Massah: Benda, Petr; Hanák, Vladimir; Andreas, Michal; Reiter, Antonin; Uhrin, Marcel: NMP: 3 [3 - **3**] - Wadi Al Kuf: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1**] - Wadi al Kuf: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 3 [3 - **3**] - Wadi al Kuf [= Jabal Akhdar Mts]: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1]; Benda, Petr; Hanák, Vladimir; Andreas, Michal; Reiter, Antonin; Uhrin, Marcel: NMP: 6 [6 - **7** - **14**].
South Africa: Manor Gardens: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 May 2002: 15

21 May 2002

Zambia: Copperbelt province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 21 May 2002: 1

22 May 2002

Libya: Sidi Mohammad Al Mablehut: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 2 [2 - **2** - **2**].

Total Specimens for 22 May 2002: 2

28 May 2002

Libya: Nanatalah: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].

Total Specimens for 28 May 2002: 1

1 June 2002

Gabon: Ossengue Camp site: Schmidt, Brian K.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 2002: 1

4 June 2002

Madagascar: Mahaleotse: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 June 2002: 1

8 June 2002

Morocco: Souq l'Arba N. Ayt Ahmad: ?: Collector Unknown: EBD: 5 [5 - **5** - **5**].
Zambia: Copperbelt province: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 8 June 2002: 7

10 June 2002

Gabon: Toucan Site: O'Brien, Carrie J.: USNM: 1 [1 - **1** - **1**].
Morocco: Wintimdouine cave: ?: Collector Unknown: EBD: 3 [3 - **3** - **3**].
South Africa: Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Tunisia: Gafsa governorate: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 10 June 2002: 6

14 June 2002

Morocco: Afnourir, lake: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].

Total Specimens for 14 June 2002: 1

20 June 2002

South Africa: Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: Marais, Hannes: TM: 1 [1 - **1** - **1**].

Total Specimens for 20 June 2002: 1

27 June 2002

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 June 2002: 1

6 July 2002

South Africa: Farm Elandsfontein 435KT, Bourke's Luck: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Total Specimens for 6 July 2002: 2

9 July 2002

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 July 2002: 1

10 July 2002

Morocco: Moulay Abdessalam - Zinat, between: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].

Total Specimens for 10 July 2002: 1

11 July 2002

Morocco: Bir Regaga, Kef Aïssa: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].

Total Specimens for 11 July 2002: 1

13 July 2002

Morocco: Azrou: ?: Collector Unknown: EBD: 1 [1 - **1**] - Jorf El Roumi Nsebis cave: ?: Collector Unknown: EBD: 1 [1]; Ibáñez Uargui, Carlos J.; Juste, Javier: EBD: 1 [1 - **2** - **3**].

Total Specimens for 13 July 2002: 3

15 July 2002

South Africa: Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 July 2002: 1

22 July 2002

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Maua, 7 km N, 2.5 km W: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 July 2002: 2

23 July 2002

Tanzania: Maua, 7 km N, 2.5 km W: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 July 2002: 1

24 July 2002

South Africa: Veralum: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 July 2002: 1

25 July 2002

Congo (Democratic Republic of the): Mugeri: Huhndorf, Michael H.: FMNH: 6 [6 - **6** - **6**].
South Africa: Hells Gate: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Hells Gate: ?: Collector Unknown: DNSM: 3 [3 - **3** - **6**].

Total Specimens for 25 July 2002: 12

27 July 2002

South Africa: Umpila Cave: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 27 July 2002: 2

29 July 2002

Congo (Democratic Republic of the): Lwiro: Huhndorf, Michael H.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 29 July 2002: 4

31 July 2002

Congo (Democratic Republic of the): Lwiro: Huhndorf, Michael H.: FMNH: 2 [2 - **2** - **2**].
South Africa: Montclair: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 31 July 2002: 3

2 August 2002

South Africa: Mafikeng, 5 km outside: SANTI: TM: 1 [1 - **1**] - Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 2 August 2002: 2

3 August 2002

South Africa: Farm Wakkersdal 436KT: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 3 August 2002: 1

6 August 2002

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 August 2002: 1

7 August 2002

Senegal: Bandafassi dispensarium: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
South Africa: Winkelspruit: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 August 2002: 2

10 August 2002

South Africa: Timbavati: Hood, David: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 August 2002: 1

11 August 2002

South Africa: Kloof: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 11 August 2002: 2

16 August 2002

South Africa: Umgababa: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 2002: 1

25 August 2002

Madagascar: Amboasary: Jenkins, Richard K.B.: UADBA: 1 [1 - **1** - **1**].

Total Specimens for 25 August 2002: 1

28 August 2002

Tanzania: Maua, 4 km N, 1.5 km W: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 28 August 2002: 2

1 September 2002

South Africa: Illovo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 September 2002: 1

10 September 2002

South Africa: Timbavati: Hood, David: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 September 2002: 1

19 September 2002

South Africa: Farm Blaauwbank 168JS: Kearney, Teresa Catherine; Ndhlovu, Captain: TM: 2 [2 - **2** - **2**].

Total Specimens for 19 September 2002: 2

21 September 2002

Swaziland: Mhlume - Isherene Road: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 September 2002: 1

25 September 2002

South Africa: Shoshanguve: Mochaki, Stephina: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 September 2002: 1

1 October 2002

Madagascar: Andranomavo, 32 km NW: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].
Zambia: Copperbelt province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 1 October 2002: 4

5 October 2002

South Africa: Farm Sterkspruit 412KT: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 October 2002: 1

6 October 2002

South Africa: Farm Sterkspruit 412KT: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Total Specimens for 6 October 2002: 2

9 October 2002

Madagascar: Andranomavo, 26 km NW: ?: Collector Unknown: FMNH: 6 [6]; Goodman, Steven M.: FMNH: 1 [1 - **7** - **7**].

Total Specimens for 9 October 2002: 7

11 October 2002

Madagascar: Andranomavo, 22 km NW: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 11 October 2002: 3

14 October 2002

Madagascar: Andranomavo, 32 km NW: ?: Collector Unknown: FMNH: 15 [15 - **15** - **15**].

Total Specimens for 14 October 2002: 15

17 October 2002

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 October 2002: 1

22 October 2002

South Africa: Doon Heights: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 October 2002: 1

26 October 2002

South Africa: Nagle Dam: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 26 October 2002: 3

3 November 2002

South Africa: Farm Haffenden Heights 35KT: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Total Specimens for 3 November 2002: 2

11 November 2002

Madagascar: Belo sur Mer: Razakarivony, Vola: FMNH: 1 [1 - **1**] - Marofihitsa, 13 km W: ?: Collector Unknown: FMNH: 4 [4 - **4** - **5**].
Senegal: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3**] - Tambacounda region: ?: Collector Unknown: SMF: 1 [1 - **1** - **4**].

Total Specimens for 11 November 2002: 9

13 November 2002

Senegal: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].
South Africa: Farm Onverwacht 544JT, Sjonajona: Kearney, Teresa Catherine; Ndhlovu, Captain: TM: 2 [2 - **2** - **2**].

Total Specimens for 13 November 2002: 5

15 November 2002

South Africa: Farm Onverwacht 544JT, Sjonajona: Legwai, J.: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 November 2002: 1

16 November 2002

Madagascar: Marofihitsa, 11 km SE: ?: Collector Unknown: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 16 November 2002: 11

18 November 2002

Madagascar: Manahy, 0.75 km SW: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 November 2002: 2

25 November 2002

South Africa: Tswaing Crater: Maleka, Anna; Ndhlovu, Captain; Kearney, Teresa Catherine: TM: 1 [1 - **1** - **1**].

Total Specimens for 25 November 2002: 1

26 November 2002

South Africa: Illovo South: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 November 2002: 1

27 November 2002

Madagascar: Fiherenana: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 27 November 2002: 2

30 November 2002

South Africa: Umbogontwini Nature Reserve: Taylor, Peter John: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 November 2002: 1

1 December 2002

Madagascar: Ranohira: ?: Collector Unknown: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 1 December 2002: 6

4 December 2002

Madagascar: Canyon des Singes: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 December 2002: 1

5 December 2002

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 December 2002: 1

9 December 2002

Madagascar: Berenty-Betsileo, 28 km SE: ?: Collector Unknown: FMNH: 1 [1]; Goodman, Steven M.: FMNH: 10 [10 - **11**] - Sahanafa River, along: Goodman, Steven M.: FMNH: 1 [1 - **1** - **12**].

Total Specimens for 9 December 2002: 12

16 December 2002

South Africa: Miggiesgat cave: Schoeman, M. Corrie; *et al.*: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 December 2002: 1

17 December 2002

South Africa: Eston: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 December 2002: 1

18 December 2002

South Africa: Sudwala Cave: Schoeman, M. Corrie; *et al.*: TM: 2 [2 - **2** - **2**].

Total Specimens for 18 December 2002: 2

19 December 2002

South Africa: Miggiesgat cave: Schoeman, M. Corrie; *et al.*: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 December 2002: 1

29 December 2002

South Africa: Athlone Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 December 2002: 1

30 December 2002

South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 December 2002: 1

1 January 2003

Tanzania: Nyumbanitu Forest Reserve: Howell, Kim M.: FMNH: 4 [4 - **4**] - Ukami Forest Reserve: Howell, Kim M.: FMNH: 5 [5 - **5** - **9**].

Total Specimens for 1 January 2003: 9

4 January 2003

South Africa: Glen Anil: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 January 2003: 1

24 January 2003

Tanzania: Nawenge Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 January 2003: 1

27 January 2003

South Africa: Groenkloof: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 January 2003: 1

30 January 2003

Tanzania: Nawenge Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 January 2003: 1

1 February 2003

Madagascar: Forêt des Mikea: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Tanzania: Ukami Forest Reserve: Howell, Kim M.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 1 February 2003: 10

2 February 2003

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 February 2003: 1

7 February 2003

South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Manor Gardens: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 7 February 2003: 2

14 February 2003

Madagascar: Forêt des Mikea: ?: Collector Unknown: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 14 February 2003: 4

16 February 2003

Tanzania: Mahenge Scarp Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 February 2003: 1

19 February 2003

Tanzania: Mahenge Scarp Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 February 2003: 1

20 February 2003

South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Muldersdrift, near: West, Sean D.: TM: 1 [1 - **1** - **2**].
Tanzania: Mahenge Scarp Forest Reserve: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 20 February 2003: 4

23 February 2003

Tanzania: Mahenge Scarp Forest Reserve: Howell, Kim M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 23 February 2003: 4

24 February 2003

Tanzania: Mahenge Scarp Forest Reserve: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 February 2003: 1

1 March 2003

Tanzania: Ukami Forest Reserve: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 March 2003: 2

6 March 2003

South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 March 2003: 1

12 March 2003

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 March 2003: 1

15 March 2003

Zambia: Copperbelt province: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 15 March 2003: 1

16 March 2003

South Africa: Farm Fleur de Lys 195KU: Pietersen, Darren: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 March 2003: 1

22 March 2003

Equatorial Guinea: Litoral province: Zyskowski, Kristof; Rice, Nathan H.: YPM: 1 [1 - **1** - **1**].

Total Specimens for 22 March 2003: 1

23 March 2003

Madagascar: unnamed cave: Goodman, Steven M.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 23 March 2003: 6

26 March 2003

Madagascar: Station Forestière d'Antsampandrano: Goodman, Steven M.: FMNH: 15 [15 - **15** - **15**].

Total Specimens for 26 March 2003: 15

29 March 2003

Equatorial Guinea: Obamicu: Zyskowski, Kristof: YPM: 1 [1 - **1** - **1**].

Total Specimens for 29 March 2003: 1

1 April 2003

Madagascar: Forêt d'Ampirojoa: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 April 2003: 1

4 April 2003

South Africa: Umdloti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 April 2003: 1

9 April 2003

South Africa: Bronkhorstspruit Dam Nature Reserve: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 April 2003: 1

18 April 2003

Madagascar: Station Forestière d'Ampijoroa, Jardin Botanique: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 April 2003: 1

22 April 2003

South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 April 2003: 1

24 April 2003

South Africa: Umdloti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 April 2003: 1

7 May 2003

Madagascar: unspecified locality: Frontier-Madagascar, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 May 2003: 1

10 May 2003

Mozambique: Gurue, 2.9 km N, 8.9 km E: Kerbis Peterhans, Julian C.: FMNH: 26 [26 - **26** - **26**].

Total Specimens for 10 May 2003: 26

11 May 2003

Mozambique: Gurue, 2.9 km N, 8.9 km E: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 11 May 2003: 2

12 May 2003

Mozambique: Murabue: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 12 May 2003: 3

25 May 2003

Madagascar: Ibity Massif, Tombamnoanjo: Ravoahangy, A,: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 25 May 2003: 2

22 June 2003

Rwanda: Ruhengeri: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 22 June 2003: 2

24 June 2003

Mozambique: Vilanculos: Kerbis Peterhans, Julian C.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 24 June 2003: 10

25 June 2003

Mozambique: Vilanculos: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7** - **7**].
Rwanda: Ruhengeri: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 25 June 2003: 8

3 July 2003

Rwanda: Ruhengeri: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 3 July 2003: 1

6 July 2003

South Africa: Farm Skoongesig 360JS, Languitsig: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Total Specimens for 6 July 2003: 2

9 July 2003

Mozambique: Murabue: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - Muresi Swamp, E of: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **3**].

Total Specimens for 9 July 2003: 3

11 July 2003

South Africa: Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 July 2003: 1

12 July 2003

South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 July 2003: 1

16 July 2003

South Africa: Farm Victoriaspoort 18IT: Cohen, Lientjie: TM: 3 [3 - **3** - **3**].

Total Specimens for 16 July 2003: 3

19 July 2003

Mozambique: Gurue, ca 8 km N, 8 km E: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 July 2003: 1

25 July 2003

Mozambique: Gurue, 7.6 km N, 7.2 km E: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 July 2003: 1

26 July 2003

Mozambique: Gurue, 7.6 km N, 7.2 km E: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].
Tanzania: Udzungwa Mts, West Kilombero Scarp Forest Reserve, Ndundulu Forest: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 July 2003: 2

27 July 2003

Madagascar: Bekopake, 1.8 km SE and 0.6 km NE Andadoany: Jenkins, Richard K.B.; Ratrimomanarivo, Fania H.: UADBA: 1 [1 - **1** - **1**].

Total Specimens for 27 July 2003: 1

28 July 2003

South Africa: Cowies Hill: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 July 2003: 1

30 July 2003

Mozambique: Gurue, 7.6 km N, 7.2 km E: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 July 2003: 1

1 August 2003

Mozambique: Murabue: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 August 2003: 2

2 August 2003

Mozambique: Gurue, 2.9 km N, 8.9 km E: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].
Tanzania: Kibebe farms: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 August 2003: 3

3 August 2003

Mozambique: Murabue: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 August 2003: 1

4 August 2003

Mozambique: Murabue: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 August 2003: 1

5 August 2003

Mozambique: Murabue: Kerbis Peterhans, Julian C.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 5 August 2003: 5

6 August 2003

Mozambique: Murabue: Kerbis Peterhans, Julian C.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 6 August 2003: 4

7 August 2003

Mozambique: Murabue: Kerbis Peterhans, Julian C.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 7 August 2003: 6

8 August 2003

Mozambique: Gurue, 2.9 km N, 8.9 km E: Kerbis Peterhans, Julian C.: FMNH: 32 [32 - **32**] - Murabue: Kerbis Peterhans, Julian C.: FMNH: 4 [4 - **4** - **36**].

Total Specimens for 8 August 2003: 36

9 August 2003

Mozambique: Murabue: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 August 2003: 2

10 August 2003

Tanzania: Kalilani village: Stanley, William ("Bill") T.: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 10 August 2003: 11

12 August 2003

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mantuma Camp: Taylor, Peter John; White, Wendy: DNSM: 1 [1 - **1**] - Mkuzi Game Reserve: White, Wendy: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 12 August 2003: 3

13 August 2003

South Africa: Ngodwena: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 August 2003: 1

16 August 2003

Madagascar: Ranobe: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 August 2003: 1

17 August 2003

South Africa: Johannesburg: Schoeman, M. Corrie: TM: 1 [1 - **1** - **1**].

Total Specimens for 17 August 2003: 1

21 August 2003

South Africa: Mkuze River: White, Wendy: DNSM: 1 [1 - **1**] - Mkuzi Game Reserve: White, Wendy: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 21 August 2003: 2

25 August 2003

Morocco: Souk-Khemis-des-Beni-Arouss: Benda, Petr: NMP: 1 [1 - **1** - **1**].

Total Specimens for 25 August 2003: 1

28 August 2003

Morocco: Bekrite: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 1 [1 - **1** - **1**].

Total Specimens for 28 August 2003: 1

30 August 2003

Morocco: Talkout: Benda, Petr: NMP: 8 [8 - **8** - **8**].
Tanzania: Nkungwe Hill summit, 0.5 km NW: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 30 August 2003: 10

31 August 2003

Morocco: Anagam, 5 km NW: Benda, Petr: NMP: 4 [4 - **4**] - Oued Draâ: Benda, Petr: NMP: 1 [1 - **1** - **5**].
Tanzania: Nkungwe Hill summit, 0.5 km NW: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 31 August 2003: 6

5 September 2003

Ethiopia: Masha, Baro River: Benda, Petr: NMP: 2 [2 - **2** - **2**].

Total Specimens for 5 September 2003: 2

6 September 2003

Morocco: Taourirt prefecture, 10 km NW Taourirt: Benda, Petr: NMP: 1 [1 - **1** - **1**].

Total Specimens for 6 September 2003: 1

7 September 2003

South Africa: Perkeo ? 223KT: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 September 2003: 1

9 September 2003

Morocco: Oued el-Ammar: Benda, Petr: NMP: 3 [3 - **3**] - Sebt-des-Ait-Serhrouchen: Benda, Petr: NMP: 1 [1 - **1** - **4**].

Total Specimens for 9 September 2003: 4

11 September 2003

South Africa: Durban International Airport: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 11 September 2003: 2

18 September 2003

South Africa: Charter's Creek: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 18 September 2003: 2

20 September 2003

South Africa: Farm Makapansgat 39KS: Gauteng Bat Intrest Group, The: TM: 1 [1]; Northern Areas Bat Intrest Group, The: TM: 1 [1 - **2**] - Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 20 September 2003: 3

25 September 2003

Madagascar: Ampidiranamhaja cave: Ranivo, Julie; Ratrimomanarivo, Fania H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 September 2003: 1

27 September 2003

South Africa: Winkelspruit: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 September 2003: 1

1 October 2003

South Africa: Harkerville Forest: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 October 2003: 2

6 October 2003

South Africa: Berea: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 October 2003: 1

9 October 2003

South Africa: Irene: Harrison, James du G: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 2003: 1

12 October 2003

South Africa: Sudwala Mine 2: Schoeman, M. Corrie; Seamark, Ernest Charles James: TM: 3 [3 - **3** - **3**].

Total Specimens for 12 October 2003: 3

1 November 2003

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Greytown: Wood, J.E.: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 1 November 2003: 2

3 November 2003

Ghana: Krokosua Hills Forest Reserve: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
Morocco: Tamtattouchte: Benda, Petr: NMP: 1 [1 - **1** - **1**].

Total Specimens for 3 November 2003: 2

4 November 2003

Ghana: Krokosua Hills Forest Reserve: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 4 November 2003: 1

11 November 2003

Ghana: Krokosua Hills Forest Reserve: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
South Africa: Palmiet Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 November 2003: 2

14 November 2003

South Africa: Buffelskloof Private Nature Reserve: Burrows, John; Cohen, Lientjie; Fernsby, Nigel: TM: 1 [1]; Cohen, Lientjie; Fernsby, Nigel; Burrows, J.: TM: 1 [1 - **2** - **2**].

Total Specimens for 14 November 2003: 2

25 November 2003

South Africa: Tswaing Crater: Maleka, Anna; Ndhlovu, Captain; Kearney, Teresa Catherine: TM: 2 [2 - **2** - **2**].

Total Specimens for 25 November 2003: 2

19 December 2003

South Africa: Forest Hills: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 December 2003: 1

1 January 2004

Madagascar: Grotte de Bazaribe: ?: Collector Unknown: FMNH: 13 [13 - **13** - **13**].
South Africa: Sea View, Durban: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Umbilo: : DNSM: 1 [1 - **1** - **2**].

Total Specimens for 1 January 2004: 15

4 January 2004

South Africa: Carrington Heights: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 January 2004: 1

6 January 2004

South Africa: Mpumalanga province: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 6 January 2004: 1

10 January 2004

South Africa: Farm Klipsteen 67JT: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 10 January 2004: 1

14 January 2004

South Africa: 27 Arnold Road: Harrison, James: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 January 2004: 1

15 January 2004

South Africa: Rietondale, 177 Lys Street: Humphreys, Eddie: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 2004: 1

24 January 2004

South Africa: Farm Badfontein 114JT, Kwena: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 January 2004: 1

28 January 2004

South Africa: Irene, Agricultural Research Council [= ARC] grounds: West, Sean D.: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 January 2004: 1

3 February 2004

South Africa: Waterberg Game Farm: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 3 [3 - **3**] - Waterberg Game Farm, at small man-made ponds within camp: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 1 [1 - **1** - **4**].

Total Specimens for 3 February 2004: 4

5 February 2004

South Africa: Waterberg Game Farm: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 February 2004: 1

15 February 2004

South Africa: 27 Arnold Road: Harrison, James: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 February 2004: 1

16 February 2004

South Africa: Tswaing Crater, reception area: Kearney, Teresa Catherine; Ndhlovu, Captain: TM: 1 [1 - **1** - **1**].

Total Specimens for 16 February 2004: 1

27 February 2004

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 February 2004: 1

29 February 2004

South Africa: New Germany: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 February 2004: 1

23 March 2004

South Africa: Punda Maria Camp: ?: Collector Unknown: KU: 2 [2 - **2** - **2**].

Total Specimens for 23 March 2004: 2

27 March 2004

South Africa: Letaba Camp: ?: Collector Unknown: KU: 6 [6 - **6** - **6**].

Total Specimens for 27 March 2004: 6

5 April 2004

South Africa: Lebanon Sappi plantation: Barbe C: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 April 2004: 1

13 April 2004

South Africa: De Hoop Guano Cave: Timm, Robert M.: KU: 1 [1 - **1** - **1**].

Total Specimens for 13 April 2004: 1

14 April 2004

South Africa: Nkandla Forest Reserve: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 14 April 2004: 3

15 April 2004

South Africa: Nkandla Forest Reserve: Taylor, Peter John; White, Wendy: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 15 April 2004: 2

16 April 2004

South Africa: Farm Waterval: Fernsby, Nigel; Cohen, Lientjie; de Wet, Koos; Peinke, Dean M.: TM: 2 [2 - **2** - **2**].

Total Specimens for 16 April 2004: 2

17 April 2004

South Africa: Farm Victoriaspoort 18IT, Kalkoenkrans Cave: Fernsby, Nigel; Cohen, Lientjie; de Wet, Koos; Peinke, Dean M.: TM: 1 [1 - **1**] - Farm Waterval: Fernsby, Nigel; Cohen, Lientjie; de Wet, Koos; Peinke, Dean M.: TM: 2 [2 - **2**] - Farm Waterval, Third Mine Tunnel: Fernsby, Nigel; Cohen, Lientjie; de Wet, Koos; Peinke, Dean M.: TM: 1 [1 - **1** - **4**].

Total Specimens for 17 April 2004: 4

22 April 2004

South Africa: Farm Kunkuru: Fernsby, Nigel: TM: 1 [1 - **1** - **1**].

Total Specimens for 22 April 2004: 1

24 April 2004

Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].

Total Specimens for 24 April 2004: 2

26 April 2004

Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 3 [3 - **3** - **3**].

Total Specimens for 26 April 2004: 3

2 May 2004

Senegal: Simenti: Cervený, Jaroslav: IVB: 1 [1 - **1** - **1**].
South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 2004: 2

3 May 2004

Senegal: Simenti: Cervený, Jaroslav: IVB: 1 [1 - **1** - **1**].

Total Specimens for 3 May 2004: 1

4 May 2004

Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 4 [4 - **4**] - Niokolo Koba NP, Lengue: Cervený, Jaroslav: IVB: 1 [1 - **1** - **5**].

Total Specimens for 4 May 2004: 5

5 May 2004

Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 4 [4 - **4** - **4**].

Total Specimens for 5 May 2004: 4

6 May 2004

Senegal: Lengue Kountou: Cervený, Jaroslav: IVB: 1 [1 - **1**] - Lengué Kountou: ?: Collector Unknown: IVB: 1 [1 - **1** - **2**].

Total Specimens for 6 May 2004: 2

7 May 2004

Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].

Total Specimens for 7 May 2004: 2

9 May 2004

Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].

Total Specimens for 9 May 2004: 1

15 May 2004

South Africa: Dumisa Gold Mine: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 May 2004: 1

17 May 2004

South Africa: Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 May 2004: 1

27 May 2004

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 May 2004: 1

5 June 2004

Congo (Democratic Republic of the): Mount Tshiabirimu: Kaleme, Prince Kiswele: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 5 June 2004: 3

17 June 2004

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 June 2004: 1

7 July 2004

Malawi: Zovo Chipolo Forest: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 July 2004: 1

8 July 2004

Malawi: Lake Kaulime: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 July 2004: 1

10 July 2004

Malawi: Zovo Chipolo Forest: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 2004: 1

14 July 2004

Malawi: Zovo Chipolo Forest: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 July 2004: 1

15 July 2004

Malawi: Zovo Chipolo Forest: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 July 2004: 1

17 July 2004

Tanzania: Mikumi National Park: Stanley, William ("Bill") T.: FMNH: 13 [13 - **13** - **13**].

Total Specimens for 17 July 2004: 13

18 July 2004

South Africa: Farm Tweefontein 523 JQ: Gauteng Nature Conservation, The: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 July 2004: 1

23 July 2004

South Africa: Kokstad Mine: Stoffberg, Samantha; Schoeman, M. Corrie: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 23 July 2004: 2

27 July 2004

Malawi: Chilinda Camp: Malawi Mammal Expedition, The: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 27 July 2004: 3

28 July 2004

Malawi: Chilinda Camp: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 July 2004: 1

1 August 2004

Malawi: Chilinda Camp: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 August 2004: 1

4 August 2004

Malawi: Lujeri Tea Estate: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 4 August 2004: 6

5 August 2004

Malawi: Lujeri Tea Estate: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 5 August 2004: 4

7 August 2004

Malawi: Lujeri Tea Estate: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 August 2004: 1

19 August 2004

South Africa: Palmiet Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 August 2004: 1

4 September 2004

Seychelles: Aldabra Station: Samedi, U.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 September 2004: 1

18 September 2004

Madagascar: Ankarana-NP, Bat Cave: Zentai, Z.: HNHM: 1 [1 - **1** - **1**].

Total Specimens for 18 September 2004: 1

24 September 2004

Swaziland: Kubuta: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 24 September 2004: 2

25 September 2004

Swaziland: Kubuta: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 25 September 2004: 4

28 September 2004

South Africa: Mountainland Nature Reserve: ?: Collector Unknown: DNSM: 1 [1]; Cohen, Lientjie: DNSM: 1 [1 - **2** - **2**].

Total Specimens for 28 September 2004: 2

1 October 2004

Madagascar: Mitoho cave, near: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 October 2004: 2

5 October 2004

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 5 October 2004: 2

6 October 2004

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 October 2004: 1

23 October 2004

Swaziland: Nottinghill Mine: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Piggs Peak Mine: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Pigg's Peak Mine: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].

Total Specimens for 23 October 2004: 6

25 October 2004

South Africa: Kaalrug: Cohen, Lientjie: TM: 2 [2 - **2**] - Mpumalanga province: Cohen, Lientjie: TM: 3 [3 - **3** - **5**].

Total Specimens for 25 October 2004: 5

26 October 2004

South Africa: Malelane Old Mine Shaft: Cohen, Lientjie: TM: 4 [4 - **4** - **4**].

Total Specimens for 26 October 2004: 4

27 October 2004

South Africa: Farm Waterval: Cohen, Lientjie: TM: 2 [2 - **2**] - Mpumalanga province: Cohen, Lientjie: TM: 1 [1 - **1** - **3**].
Swaziland: Lomati Gold Mine: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 27 October 2004: 6

30 October 2004

Senegal: Simenti: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].
South Africa: Nagle Dam Lodge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 October 2004: 3

1 November 2004

Madagascar: Andranomilitry, cave: ?: Collector Unknown: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 1 November 2004: 4

4 November 2004

Senegal: Simenti: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].

Total Specimens for 4 November 2004: 1

10 November 2004

Swaziland: Miawula Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Kigwembinbi: Moyer, D.C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 November 2004: 2

11 November 2004

Madagascar: Andranomilitry, cave: Ratrimomanarivo, Fania H.; Rakotomavo, J.: FMNH: 2 [2 - **2** - **2**].
Senegal: Bacadadgi: ?: Collector Unknown: IVB: 3 [3 - **3** - **3**].

Total Specimens for 11 November 2004: 5

16 November 2004

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 November 2004: 1

6 December 2004

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 6 December 2004: 2

11 December 2004

Madagascar: Marovaza: Goodman, Steven M.; Ratrimomanarivo, Fania H.: FMNH: 1 [1 - **1** - **1**].
Rwanda: Gisenyi: ?: Collector Unknown: SMF: 1 [1 - **1**] - Ubuvumo lava hole: Laumanns, Michael: SMF: 1 [1 - **1** - **2**].

Total Specimens for 11 December 2004: 3

15 December 2004

South Africa: Alverstone Lot 514: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 December 2004: 1

18 December 2004

South Africa: Hennops River: Fernsby, Nigel: TM: 1 [1 - **1** - **1**].

Total Specimens for 18 December 2004: 1

31 December 2004

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 31 December 2004: 1

1 January 2005

Congo: Unknown locality: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].
Madagascar: Forêt d'Ampitiliantsambo: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 January 2005: 3

6 January 2005

South Africa: Brighton Beach: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 January 2005: 1

8 January 2005

Swaziland: Wylesdale Gold Mine: ?: Collector Unknown: DNSM: 4 [4]; Monadjem, Ara: DNSM: 2 [2 - **6** - **6**].

Total Specimens for 8 January 2005: 6

11 January 2005

Mauritius: Kanaka Bat Cave: Goodman, Steven M.; Florens, V.: FMNH: 23 [23 - **23** - **23**].

Total Specimens for 11 January 2005: 23

15 January 2005

Swaziland: Rosecraft: Monadjem, Ara: TM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 2005: 1

1 February 2005

Madagascar: Androimpano Cave: ?: Collector Unknown: FMNH: 9 [9]; Goodman, Steven M.: FMNH: 1 [1 - **10** - **10**].
South Africa: Mata Mata camp: Van der Straeten, Erik: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 1 February 2005: 11

5 February 2005

South Africa: Cederberg, Pakhuis Pass, Kliphuis camp site: Seamark, Ernest Charles James: TM: 7 [7 - **7** - **7**].
Swaziland: Maguga Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 February 2005: 8

8 February 2005

South Africa: Khamkirri Private Game Reserve, site 1: Seamark, Ernest Charles James: TM: 6 [6 - **6** - **6**].

Total Specimens for 8 February 2005: 6

9 February 2005

South Africa: Khamkirri Private Game Reserve, site 2: Seamark, Ernest Charles James: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 2005: 1

10 February 2005

South Africa: Dullstroom Town: Cohen, Lientjie: TM: 2 [2 - **2**] - Khamkirri Private Game Reserve, site 2: Seamark, Ernest Charles James: TM: 1 [1 - **1** - **3**].

Total Specimens for 10 February 2005: 3

11 February 2005

Mauritius: Camp Thorel Cave: Goodman, Steven M.; Atkinson, R.: FMNH: 25 [25 - **25** - **25**].

Total Specimens for 11 February 2005: 25

18 February 2005

Madagascar: Itampolo: ?: Collector Unknown: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 18 February 2005: 5

19 February 2005

Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 3 [3 - **3** - **3**].

Total Specimens for 19 February 2005: 3

20 February 2005

Benin: Ouari-Maro forest: VZZ / ReRe Expedition, The: ZMA: 2 [2 - **2** - **2**].
Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 5 [5 - **5** - **5**].

Total Specimens for 20 February 2005: 7

21 February 2005

Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].

Total Specimens for 21 February 2005: 2

22 February 2005

Madagascar: Andraimpano cave: ?: Collector Unknown: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 22 February 2005: 10

23 February 2005

Madagascar: Androimpano caves: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].
South Africa: Sodwana Bay Estuary: : DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 February 2005: 2

24 February 2005

Senegal: Gué de Sambaillou: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].

Total Specimens for 24 February 2005: 2

26 February 2005

Madagascar: Antagneotsy cave: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 February 2005: 1

27 February 2005

Senegal: Dalaba: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].

Total Specimens for 27 February 2005: 2

2 March 2005

Senegal: Simenti: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].

Total Specimens for 2 March 2005: 1

3 March 2005

Senegal: Camp des Lions – forest next to the river: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].

Total Specimens for 3 March 2005: 1

4 March 2005

Senegal: Simenti: ?: Collector Unknown: IVB: 4 [4 - **4** - **4**].

Total Specimens for 4 March 2005: 4

24 March 2005

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 March 2005: 1

25 March 2005

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 March 2005: 1

26 March 2005

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 March 2005: 1

1 April 2005

Madagascar: Marovaza, 4.2 km SE: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 1 April 2005: 2

7 April 2005

South Africa: Ocean View Farm: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 7 April 2005: 3

11 April 2005

South Africa: ???: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 April 2005: 1

15 April 2005

South Africa: Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 April 2005: 1

17 April 2005

South Africa: Irene: Harrison, James du G: TM: 2 [2 - **2** - **2**].

Total Specimens for 17 April 2005: 2

20 April 2005

South Africa: Gramstown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 April 2005: 1

21 April 2005

Madagascar: Marovaza: Goodman, Steven M.; Ratrimomanarivo, Fania H.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 21 April 2005: 2

26 April 2005

Madagascar: Collegèges d'Enseignement Général: Ratrimomanarivo, Fania H.: FMNH: 1 [1 - **1** - **1**].
South Africa: ???: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Total Specimens for 26 April 2005: 3

7 May 2005

South Africa: Mansiya: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Mansiya Valley: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 7 May 2005: 3

13 May 2005

South Africa: Farm Klipbanksfontein 607: Bredenkamp, H.; Fernsby, Nigel: TM: 1 [1 - **1** - **1**].

Total Specimens for 13 May 2005: 1

14 May 2005

South Africa: Fort Yellond Farm: ?: Collector Unknown: DNSM: 2 [2]; Taylor, Peter John; *et al.*: DNSM: 3 [3 - **5**] - Melmoth: Taylor, Peter John; *et al.*: DNSM: 3 [3 - **3**] - Minaars cave: Peinke, Dean M.: TM: 1 [1 - **1** - **9**].

Total Specimens for 14 May 2005: 9

15 May 2005

South Africa: Melmoth: ?: Collector Unknown: DNSM: 6 [6 - **6**] - Stan Hope Mine: ?: Collector Unknown: DNSM: 3 [3 - **3** - **9**].

Total Specimens for 15 May 2005: 9

17 May 2005

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mpumalanga province: Cohen, Lientjie: TM: 1 [1 - **1** - **2**].

Total Specimens for 17 May 2005: 2

20 May 2005

Malawi: Karonga: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 20 May 2005: 3

21 May 2005

Malawi: Karonga: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 21 May 2005: 2

22 May 2005

Madagascar: Kianjavato: Rakotonandrasana, E.; Ratrimomanarivo, Fania H.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 May 2005: 1

24 May 2005

Swaziland: Ndlovu Camp: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 24 May 2005: 2

27 May 2005

Malawi: Karonga: ?: Collector Unknown: SMF: 4 [4 - **4** - **4**].

Total Specimens for 27 May 2005: 4

29 May 2005

Madagascar: Amborombe cave: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 May 2005: 1

6 June 2005

Malawi: Unknown locality: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Total Specimens for 6 June 2005: 2

11 June 2005

Mauritius: Caverne Trois Bras: Goodman, Steven M.; Florens, V.: FMNH: 19 [19 - **19**] - Twilight Cave: Goodman, Steven M.; Florens, V.: FMNH: 23 [23 - **23** - **42**].

Total Specimens for 11 June 2005: 42

12 June 2005

South Africa: Chartwell: Horwood, Keith; Fernsby, Nigel: TM: 1 [1 - **1** - **1**].

Total Specimens for 12 June 2005: 1

21 June 2005

Malawi: Unknown locality: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Total Specimens for 21 June 2005: 3

22 June 2005

Malawi: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for 22 June 2005: 1

27 June 2005

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 June 2005: 1

3 July 2005

Malawi: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Tanzania: Foley's Camp: Stanley, William ("Bill") T.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 3 July 2005: 6

4 July 2005

Tanzania: Tarangire National Park: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 July 2005: 1

5 July 2005

Malawi: Unknown locality: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Swaziland: Rosecraft: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 July 2005: 2

6 July 2005

Tanzania: Foley's Camp: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9**] - Tarangire National Park: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **10**].

Total Specimens for 6 July 2005: 10

7 July 2005

Tanzania: Foley's Camp: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 7 July 2005: 3

8 July 2005

Tanzania: Foley's Camp: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 8 July 2005: 4

10 July 2005

Congo (Democratic Republic of the): Lurhogole Swamp area: Project Beatra: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 2005: 1

17 July 2005

South Africa: Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 2005: 1

21 July 2005

Congo (Democratic Republic of the): Musisi Swamp area: Project Beatra: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 July 2005: 1

24 July 2005

South Africa: Groenkloof: von Blottnitz, Axel: TM: 1 [1 - **1**] - Montclair: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 24 July 2005: 2

25 July 2005

South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 July 2005: 1

29 July 2005

Tanzania: Mikumi National Park: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 29 July 2005: 1

5 August 2005

Tanzania: Utende: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 August 2005: 1

6 August 2005

Tanzania: Mlola Forest: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 6 August 2005: 4

7 August 2005

Tanzania: Mlola Forest: Stanley, William ("Bill") T.: FMNH: 29 [29 - **29** - **29**].

Total Specimens for 7 August 2005: 29

8 August 2005

South Africa: Yellowwood Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Mlola Forest: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 8 August 2005: 2

9 August 2005

Tanzania: Mlola Forest: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 August 2005: 2

11 August 2005

Tanzania: Chole Island: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 11 August 2005: 2

12 August 2005

Tanzania: Kua ruins: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 12 August 2005: 4

13 August 2005

Swaziland: Barites Mine: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 13 August 2005: 4

14 August 2005

Tanzania: Juani Island: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 14 August 2005: 9

15 August 2005

Tanzania: Juani village: Stanley, William ("Bill") T.: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 15 August 2005: 8

16 August 2005

Tanzania: Utende: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 August 2005: 1

17 August 2005

Tanzania: Ras Kisimani, near: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - Utende: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 17 August 2005: 2

29 August 2005

Swaziland: Hlane Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Sundwini: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].

Total Specimens for 29 August 2005: 3

30 August 2005

Swaziland: Sundwini: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 August 2005: 1

2 September 2005

Swaziland: Ebaleni: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 September 2005: 1

5 September 2005

Swaziland: Siweni Riparian Site: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 5 September 2005: 2

6 September 2005

Swaziland: Siweni Riparian Site: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 September 2005: 1

8 September 2005

Egypt: Wadi El Feiran: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1**] - western edge of Feiran Oasis: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **2**].

Total Specimens for 8 September 2005: 2

9 September 2005

Egypt: El Milga: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1**] - Wadi El Feiran: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1**] - western edge of Feiran Oasis: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **3**].

Total Specimens for 9 September 2005: 3

10 September 2005

Egypt: El Tur: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1**] - Feiran: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 11 [11 - **11**] - Wadi El Feiran: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **13**].

Total Specimens for 10 September 2005: 13

11 September 2005

Egypt: El Tur: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **1**].

Total Specimens for 11 September 2005: 1

13 September 2005

South Africa: Gatkop: Peinke, Dean M.: TM: 2 [2 - **2** - **2**].
Swaziland: Barites Mine: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 13 September 2005: 4

14 September 2005

Egypt: Ain Hudra: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **1**].

Total Specimens for 14 September 2005: 1

15 September 2005

Egypt: Ain Hudra: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **1**].
South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 September 2005: 2

16 September 2005

Egypt: Ain El Furtaga: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 9 [9 - **9** - **9**].

Total Specimens for 16 September 2005: 9

17 September 2005

Congo (Democratic Republic of the): Forest NE of Luki Biosphere Reserve: Lukamba, P.: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 17 September 2005: 1

18 September 2005

Egypt: Ain Sudr: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **1**].
Malawi: Chongoni Forest Reserve: Malawi Mammal Expedition, The: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 18 September 2005: 6

20 September 2005

Malawi: Chongoni Forest Reserve: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 September 2005: 1

21 September 2005

Swaziland: Forbes Gold Mine [=Forbes Reef Gold Mine]: Monadjem, Ara: TM: 3 [3 - **3** - **3**].

Total Specimens for 21 September 2005: 3

24 September 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].
South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 September 2005: 2

25 September 2005

Madagascar: FOFIFA Station: Goodman, Steven M.; Ratrimomanarivo, Fania H.: FMNH: 2 [2 - **2** - **2**].
Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 25 September 2005: 10

26 September 2005

Swaziland: Ebaleni: Monadjem, Ara: TM: 2 [2 - **2** - **2**].

Total Specimens for 26 September 2005: 2

27 September 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 27 September 2005: 7

28 September 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 September 2005: 1

29 September 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 29 September 2005: 3

30 September 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 30 September 2005: 9

1 October 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 October 2005: 3

2 October 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 October 2005: 2

3 October 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].
South Africa: Queen Elizabeth Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 October 2005: 2

4 October 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 3 [3 - **3** - **3**].
South Africa: Farm In-de-Diepte 164JT: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Total Specimens for 4 October 2005: 5

5 October 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 5 October 2005: 4

6 October 2005

Malawi: Ntchisi Forest Reserve: Malawi Mammal Expedition, The: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 6 October 2005: 8

7 October 2005

South Africa: Farm Bolts Farm: Peinke, Dean M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 7 October 2005: 1

8 October 2005

South Africa: Lydenburg Fisheries: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 8 October 2005: 1

9 October 2005

Malawi: Dzalanyama Forest Reserve: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 October 2005: 1

15 October 2005

Swaziland: Rosecraft: Monadjem, Ara: TM: 3 [3 - **3** - **3**].

Total Specimens for 15 October 2005: 3

17 October 2005

Swaziland: Bhubesi Camp: Monadjem, Ara: TM: 2 [2 - **2** - **2**].

Total Specimens for 17 October 2005: 2

18 October 2005

South Africa: Drakensig: ?: Collector Unknown: DNSM: 3 [3]; Pienaar, Anton; Fernsby, Nigel: TM: 2 [2 - **5** - **5**].

Total Specimens for 18 October 2005: 5

19 October 2005

Madagascar: Andranomanitsy Forest: Goodman, Steven M.: SMG: 15 [15 - **15** - **15**].

Total Specimens for 19 October 2005: 15

20 October 2005

Madagascar: Andranomanitsy Forest: Goodman, Steven M.: AMNH: 1, SMG: 3 [4 - **4** - **4**].

Total Specimens for 20 October 2005: 4

27 October 2005

South Africa: Farm Tenbosch 112JU: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Total Specimens for 27 October 2005: 1

28 October 2005

South Africa: Berea: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Farm Thankerton 175JU: Cohen, Lientjie: TM: 1 [1 - **1** - **2**].

Total Specimens for 28 October 2005: 2

15 November 2005

South Africa: Brighton Beach: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 November 2005: 1

24 November 2005

South Africa: Gauteng province: Peinke, Dean M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 November 2005: 1

2 December 2005

Senegal: Dar Salam: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].

Total Specimens for 2 December 2005: 1

3 December 2005

Senegal: Dar Salam: ?: Collector Unknown: IVB: 4 [4 - **4** - **4**].

Total Specimens for 3 December 2005: 4

4 December 2005

Senegal: Dar Salam: ?: Collector Unknown: IVB: 2 [2]; Cervený, Jaroslav: IVB: 3 [3 - **5** - **5**].

Total Specimens for 4 December 2005: 5

5 December 2005

Senegal: Badi: Cervený, Jaroslav: IVB: 2 [2 - **2** - **2**].

Total Specimens for 5 December 2005: 2

12 December 2005

Senegal: Daudi Cave: Cervený, Jaroslav: IVB: 2 [2 - **2**] - Dindéfélo: Cervený, Jaroslav: IVB: 1 [1 - **1**] - Dindéfélo – next to the stream: ?: Collector Unknown: IVB: 3 [3 - **3** - **6**].

Total Specimens for 12 December 2005: 6

13 December 2005

Senegal: Daudi Cave: Cervený, Jaroslav: IVB: 1 [1 - **1** - **1**].

Total Specimens for 13 December 2005: 1

14 December 2005

Senegal: Dindéfélo – next to the stream II: ?: Collector Unknown: IVB: 1 [1 - **1**] - Mako – camp: ?: Collector Unknown: IVB: 1 [1 - **1** - **2**].

Total Specimens for 14 December 2005: 2

16 December 2005

Senegal: Tambacounda – Parc National de Niokolo-Koba: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].
South Africa: Manor Gardens: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 December 2005: 2

2 January 2006

Tanzania: Matema village: Moyer, D.C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 January 2006: 1

16 January 2006

South Africa: New Germany: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 2006: 1

19 January 2006

Swaziland: Mlawula Nature Reserve: Monadjem, Ara: TM: 2 [2 - **2** - **2**].

Total Specimens for 19 January 2006: 2

25 January 2006

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Umgeni Heights: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].

Total Specimens for 25 January 2006: 3

1 February 2006

South Africa: Farm Tweefontein 523 JQ: Peinke, Dean M.: TM: 1 [1 - **1** - **1**].

Total Specimens for 1 February 2006: 1

2 February 2006

South Africa: Warmer Beach: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Swaziland: Mlawula Nature Reserve, site 1: Monadjem, Ara; Kearney, Teresa Catherine; Seamark Ernest Charles James: TM: 6 [6]; Seamark, Ernest Charles James; Monadjem, Ara: TM: 2 [2 - **8** - **8**].

Total Specimens for 2 February 2006: 9

3 February 2006

Swaziland: Mlawula Nature Reserve, site 1: Monadjem, Ara; Kearney, Teresa Catherine; Seamark Ernest Charles James: TM: 2 [2 - **2** - **2**].

Total Specimens for 3 February 2006: 2

4 February 2006

Swaziland: Mlawula Nature Reserve, site 1: Seamark, Ernest Charles James; Monadjem, Ara: TM: 1 [1 - **1** - **1**].

Total Specimens for 4 February 2006: 1

5 February 2006

Tanzania: Kangwena: Moyer, D.C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 February 2006: 1

9 February 2006

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 2006: 1

14 February 2006

Madagascar: Station Forestière d'Antanampoera, on trail to: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 February 2006: 1

18 February 2006

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 18 February 2006: 1

26 February 2006

Madagascar: Andriamamovoka: Patton, James L.: MVZ: 2 [2 - **2** - **2**].
South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 February 2006: 3

27 February 2006

Tanzania: Magamba: RatZooMan [=Rodent Zoonosis Management] project, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 27 February 2006: 1

15 March 2006

Swaziland: Mbuluzi Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 March 2006: 1

18 March 2006

Swaziland: Mkhaya Game Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 18 March 2006: 2

22 March 2006

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 March 2006: 1

23 March 2006

South Africa: Durban International Airport: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 23 March 2006: 2

24 March 2006

South Africa: Tembe Elephant Park, east of HQ, pan: ?: Collector Unknown: DNSM: 7 [7 - **7** - **7**].

Total Specimens for 24 March 2006: 7

19 April 2006

Swaziland: Ndlovu Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 April 2006: 1

20 April 2006

Swaziland: Ndlovu Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 April 2006: 1

21 April 2006

South Africa: Cowies Hill: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 2006: 1

24 April 2006

South Africa: Sugarloaf Camp Site: Jacobs, David S.: TM: 1 [1 - **1** - **1**].

Total Specimens for 24 April 2006: 1

1 May 2006

South Africa: Blythedale Beach, Minivillas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 2006: 1

3 May 2006

Swaziland: Mbuluzi Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 May 2006: 1

4 May 2006

Swaziland: Mbuluzi Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 May 2006: 1

5 May 2006

Swaziland: Malolotja Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 May 2006: 1

11 May 2006

South Africa: Blythedale Beach, Minivillas: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 11 May 2006: 3

25 May 2006

South Africa: Waterfall: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 May 2006: 1

7 June 2006

Cameroon: Fort Foureau: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Swaziland: Mlawula weir: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 June 2006: 2

10 June 2006

Mozambique: Palmiera: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Kibebe farms: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 June 2006: 2

11 June 2006

Mozambique: Chokwe, Limpopo Bridge: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mepuze: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Mepuze, S of: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 June 2006: 5

12 June 2006

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 June 2006: 1

13 June 2006

Mozambique: Massangena: ?: Collector Unknown: DNSM: 6 [6]; : DNSM: 1 [1 - **7** - **7**].
South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 June 2006: 8

14 June 2006

Mozambique: Buzi River: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 14 June 2006: 4

15 June 2006

Mozambique: Chinizuia Forest: ?: Collector Unknown: DNSM: 9 [9]; Monadjem, Ara: DNSM: 1 [1 - **10** - **10**].

Total Specimens for 15 June 2006: 10

16 June 2006

Mozambique: Cheringoma Caves: ?: Collector Unknown: DNSM: 7 [7 - **7**] - Gorongosa, E: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Gorongoza caves: ?: Collector Unknown: DNSM: 1 [1 - **1** - **9**].

Total Specimens for 16 June 2006: 9

17 June 2006

Mozambique: Caia Lodge: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 17 June 2006: 2

18 June 2006

Malawi: Tinyade Estate: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].
Mozambique: Gurué Tea Plantation: ?: Collector Unknown: DNSM: 8 [8 - **8** - **8**].

Total Specimens for 18 June 2006: 9

19 June 2006

Malawi: Tinyade Estate: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].
Mozambique: Gurué Tea Plantation: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 19 June 2006: 4

20 June 2006

Mozambique: Gurué Tea Plantation: ?: Collector Unknown: DNSM: 11 [11 - **11**] - Meponda: ?: Collector Unknown: DNSM: 1 [1 - **1** - **12**].

Total Specimens for 20 June 2006: 12

21 June 2006

Mozambique: Ribaue, 27 km W: ?: Collector Unknown: DNSM: 11 [11]; : DNSM: 1 [1 - **12** - **12**].

Total Specimens for 21 June 2006: 12

22 June 2006

Mozambique: Namapa: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 22 June 2006: 5

23 June 2006

Mozambique: Pemba: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Pemba, SW of: ?: Collector Unknown: DNSM: 2 [2]; Monadjem, Ara: DNSM: 1 [1 - **3** - **4**].

Total Specimens for 23 June 2006: 4

24 June 2006

Mozambique: Pemba: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 24 June 2006: 2

25 June 2006

Mozambique: Balama Coutada: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 25 June 2006: 2

28 June 2006

Mozambique: Meponda: ?: Collector Unknown: DNSM: 12 [12 - **12**] - Meponda, 10 km E: ?: Collector Unknown: DNSM: 1 [1 - **1** - **13**].

Total Specimens for 28 June 2006: 13

29 June 2006

Mozambique: Meponda: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Meponda, 10 km E: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Meponda, 6 km E: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Meponda, 6 km from: ?: Collector Unknown: DNSM: 2 [2 - **2** - **5**].
South Africa: Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 June 2006: 6

30 June 2006

Mozambique: Niassa Game Reserve: ?: Collector Unknown: DNSM: 15 [15 - **15**] - Niassa Game Reserve, S of: ?: Collector Unknown: DNSM: 1 [1 - **1** - **16**].

Total Specimens for 30 June 2006: 16

1 July 2006

Malawi: Likhubula Camp: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1**] - Likhubula Camp, 1.5 km E: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **2**].
Mozambique: Maputo Camp: ?: Collector Unknown: DNSM: 5 [5]; Monadjem, Ara: DNSM: 1 [1 - **6** - **6**].

Total Specimens for 1 July 2006: 8

2 July 2006

Mozambique: Maputo Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 July 2006: 1

3 July 2006

Kenya: Gatamayu, 2.5 km N, 0.5 km W: Agwanda, Bernard Risky: FMNH: 3 [3 - **3** - **3**].
Mozambique: Nkuli Camp: ?: Collector Unknown: DNSM: 11 [11 - **11** - **11**].

Total Specimens for 3 July 2006: 14

4 July 2006

Mozambique: Niassa Game Reserve: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 4 July 2006: 4

5 July 2006

Kenya: Gatamayu, 2.5 km N, 0.5 km W: Agwanda, Bernard Risky: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 July 2006: 1

10 July 2006

Malawi: Lujeri Tea Estate: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 2006: 1

15 July 2006

South Africa: Forest Hills: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 July 2006: 1

18 July 2006

Tanzania: Kindoroko Forest Reserve: Stanley, William ("Bill") T.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 18 July 2006: 7

19 July 2006

Tanzania: Kindoroko Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 July 2006: 1

20 July 2006

Tanzania: Kindoroko Forest Reserve: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 July 2006: 1

21 July 2006

Tanzania: Kindoroko Forest Reserve: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 21 July 2006: 3

29 July 2006

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 July 2006: 1

30 July 2006

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 July 2006: 1

1 August 2006

South Africa: Kingsburgh: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Kububе Hide: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 1 August 2006: 2

3 August 2006

Tanzania: Kijijini village: Stanley, William ("Bill") T.: FMNH: 27 [27 - **27**] - Ngezi Forest: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **28**].

Total Specimens for 3 August 2006: 28

4 August 2006

Tanzania: Ngezi Forest: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 4 August 2006: 3

5 August 2006

Tanzania: Kibatini village: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - Kipangani village: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6**] - Ngezi Forest: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **9**].

Total Specimens for 5 August 2006: 9

6 August 2006

Senegal: Tambacounda: ?: Collector Unknown: IVB: 3 [3 - **3** - **3**].
Tanzania: Chonja village: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - Kipangani village: : FMNH: 3 [3]; Stanley, William ("Bill") T.: FMNH: 26 [26 - **29**] - Pemba island: : FMNH: 1 [1 - **1** - **33**].

Total Specimens for 6 August 2006: 36

7 August 2006

Senegal: Dar Salam: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].

Total Specimens for 7 August 2006: 1

8 August 2006

South Africa: Kububе Hide: ?: Collector Unknown: DNSM: 4 [4 - **4**] - Kumsinga Hide: ?: Collector Unknown: DNSM: 2 [2 - **2**] - uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **7**].

Total Specimens for 8 August 2006: 7

9 August 2006

Tanzania: Ngezi Forest: Stanley, William ("Bill") T.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 9 August 2006: 5

10 August 2006

Senegal: Dar Salam: Cervený, Jaroslav: IVB: 1 [1 - **1**] - Niokolo Koba NP, Dar Salam: Cervený, Jaroslav: IVB: 1 [1 - **1** - **2**].
Tanzania: Maziwa ya Ngombe: Stanley, William ("Bill") T.: FMNH: 16 [16 - **16** - **16**].

Total Specimens for 10 August 2006: 18

11 August 2006

Tanzania: Maruwa Jongo cave: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - Mbuyuni village: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9**] - Mwanamakuku cave: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - Ngezi Forest: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **15**].

Total Specimens for 11 August 2006: 15

12 August 2006

Tanzania: Kijijini village: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9** - **9**].

Total Specimens for 12 August 2006: 9

13 August 2006

Senegal: Simenti: Cervený, Jaroslav: IVB: 3 [3 - **3** - **3**].

Total Specimens for 13 August 2006: 3

15 August 2006

Senegal: Simenti: ?: Collector Unknown: IVB: 5 [5 - **5** - **5**].

Total Specimens for 15 August 2006: 5

16 August 2006

South Africa: Scottburgh area: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 2006: 1

17 August 2006

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 17 August 2006: 3

20 August 2006

Tanzania: Minziro Forest Reserve: Stanley, William ("Bill") T.: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 20 August 2006: 8

21 August 2006

Tanzania: Minziro Forest Reserve: Stanley, William ("Bill") T.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 21 August 2006: 7

22 August 2006

Senegal: Mako: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].
South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Minziro Forest Reserve: Stanley, William ("Bill") T.: FMNH: 20 [20 - **20** - **20**].

Total Specimens for 22 August 2006: 22

23 August 2006

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Kumsinga Hide: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Tanzania: Minziro Forest Reserve: : FMNH: 2 [2]; Stanley, William ("Bill") T.: FMNH: 23 [23 - **25** - **25**].

Total Specimens for 23 August 2006: 27

25 August 2006

Senegal: Dar Salam: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].

Total Specimens for 25 August 2006: 1

27 August 2006

Mozambique: Gerhard's Cave: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 August 2006: 1

28 August 2006

Mozambique: Gerhard's Cave: Stoffberg, Samantha: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 August 2006: 1

3 September 2006

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 September 2006: 1

8 September 2006

South Africa: Kumsinga Hide: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 September 2006: 1

11 September 2006

South Africa: Waterfall: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 September 2006: 1

17 September 2006

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 17 September 2006: 2

19 September 2006

South Africa: Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 September 2006: 1

25 September 2006

Réunion: Pont de Balthazar: Goodman, Steven M.; Probst, Jean-Michel: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 25 September 2006: 10

26 September 2006

Réunion: Le Cap Méchant: Goodman, Steven M.; Probst, Jean-Michel: FMNH: 4 [4 - **4**] - Ravine des Trois Bassins: Goodman, Steven M.; Probst, Jean-Michel: FMNH: 19 [19 - **19** - **23**].

Total Specimens for 26 September 2006: 23

28 September 2006

Réunion: Sainte Clotilde: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 28 September 2006: 2

12 October 2006

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 October 2006: 1

19 October 2006

South Africa: Glenwood: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 October 2006: 1

29 October 2006

Mauritius: Palma Cave: Goodman, Steven M.; Florens, V.: FMNH: 22 [22 - **22** - **22**].

Total Specimens for 29 October 2006: 22

1 November 2006

South Africa: Belfonan: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 November 2006: 1

4 November 2006

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 November 2006: 1

9 November 2006

South Africa: Waterfall: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 November 2006: 1

14 November 2006

Comoros: Moroni oasis: : FMNH: 4 [4]; Goodman, Steven M.: FMNH: 7 [7 - **11**] - Moroni-Hahaia Airport entrance gate, 0.5 km N: : FMNH: 14 [14 - **14** - **25**].
South Africa: Hilton: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 November 2006: 26

15 November 2006

Comoros: Panga Pachwa Meyembe: : FMNH: 10 [10 - **10** - **10**].

Total Specimens for 15 November 2006: 10

16 November 2006

Comoros: Nyamaoui Panga [= Panga Chilamouinani]: : FMNH: 34 [34]; Goodman, Steven M.: FMNH: 9 [9 - **43** - **43**].

Total Specimens for 16 November 2006: 43

17 November 2006

Comoros: above Boboni, on trail towards La Convalescence: : FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 November 2006: 1

18 November 2006

Comoros: above Boboni, on trail towards La Convalescence: : FMNH: 3 [3 - **3** - **3**].

Total Specimens for 18 November 2006: 3

20 November 2006

Comoros: Patsi: : FMNH: 8 [8]; Goodman, Steven M.: FMNH: 5 [5 - **13** - **13**].

Total Specimens for 20 November 2006: 13

21 November 2006

Comoros: Grotte de Hamapoudre: : FMNH: 14 [14]; Goodman, Steven M.: FMNH: 4 [4 - **18**] - Grotte de Mangamitsano, between Bambao and Col de Patsi: : FMNH: 6 [6]; Goodman, Steven M.: FMNH: 1 [1 - **7**] - Patsi: : FMNH: 3 [3]; Goodman, Steven M.: FMNH: 4 [4 - **7** - **32**].

Total Specimens for 21 November 2006: 32

22 November 2006

Comoros: Grotte de Hapira, near Limbi along Trondroni River: : FMNH: 2 [2]; Goodman, Steven M.: FMNH: 1 [1 - **3**] - near col de Patsi: : FMNH: 2 [2 - **2** - **5**].
South Africa: Middle Garage: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 November 2006: 6

23 November 2006

Comoros: Chandra Primary School: : FMNH: 2 [2]; Goodman, Steven M.: FMNH: 17 [17 - **19** - **19**].

Total Specimens for 23 November 2006: 19

24 November 2006

Comoros: Grotte de Buémoukolo: : FMNH: 13 [13 - **13**] - Lac de Dzialande: : FMNH: 9 [9 - **9**] - Ouani College: Goodman, Steven M.: FMNH: 25 [25 - **25** - **47**].

Total Specimens for 24 November 2006: 47

26 November 2006

Comoros: between Moya and Pomoni, Bouélaouvanga Tunnel along RN 23: : FMNH: 5 [5]; Goodman, Steven M.: FMNH: 2 [2 - **7**] - Chirove primary school: Goodman, Steven M.: FMNH: 14 [14 - **14**] - Moya primary school: Goodman, Steven M.: FMNH: 8 [8 - **8** - **29**].

Total Specimens for 26 November 2006: 29

28 November 2006

Comoros: Fomboni: Goodman, Steven M.: FMNH: 1 [1 - **1**] - Fomboni Primary School: Goodman, Steven M.: FMNH: 8 [8 - **8** - **9**].

Total Specimens for 28 November 2006: 9

29 November 2006

Comoros: Fomboni Primary School: Goodman, Steven M.: FMNH: 12 [12 - **12** - **12**].

Total Specimens for 29 November 2006: 12

30 November 2006

Comoros: Ndrondroni: Goodman, Steven M.: FMNH: 3 [3 - **3**] - Ouallah I: : FMNH: 7 [7 - **7**] - Ouallah II Public Primary School: Goodman, Steven M.: FMNH: 13 [13 - **13** - **23**].

Total Specimens for 30 November 2006: 23

1 December 2006

Comoros: near Ouallah I, along Akomodjou River: : FMNH: 3 [3 - **3**] - Nioumachoua Public Primary School: Goodman, Steven M.: FMNH: 12 [12 - **12** - **15**].

Total Specimens for 1 December 2006: 15

2 December 2006

Comoros: Itsamia: Goodman, Steven M.: FMNH: 2 [2 - **2**] - Nioumachoua: Goodman, Steven M.: FMNH: 1 [1 - **1**] - Nioumachoua Public Primary School: Goodman, Steven M.: FMNH: 7 [7 - **7** - **10**].
Mozambique: Mount Chiperone: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 2 December 2006: 13

3 December 2006

Comoros: Bandakalala Cave: Goodman, Steven M.: FMNH: 1 [1 - **1**] - Itsamia: Goodman, Steven M.: FMNH: 10 [10 - **10** - **11**].

Total Specimens for 3 December 2006: 11

5 December 2006

South Africa: Amatikulu Mountain: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 December 2006: 1

6 December 2006

Comoros: Panga Milembeni: : FMNH: 7 [7]; Goodman, Steven M.: FMNH: 1 [1 - **8** - **8**].

Total Specimens for 6 December 2006: 8

1 January 2007

South Africa: Marloth Park: Goodman, Steven M.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 1 January 2007: 4

2 January 2007

South Africa: Marloth Park: Goodman, Steven M.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 2 January 2007: 10

3 January 2007

South Africa: Marloth Park: Goodman, Steven M.: FMNH: 18 [18 - **18** - **18**].

Total Specimens for 3 January 2007: 18

4 January 2007

South Africa: Ingwenya Farm: Goodman, Steven M.: FMNH: 7 [7 - **7**] - Marloth Park: Goodman, Steven M.: FMNH: 3 [3 - **3** - **10**].

Total Specimens for 4 January 2007: 10

1 February 2007

Malawi: Madzeka hut: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 February 2007: 1

4 February 2007

Senegal: Dar Salam: ?: Collector Unknown: IVB: 2 [2 - **2**] - Niériko – bridge: ?: Collector Unknown: IVB: 27 [27 - **27** - **29**].
South Africa: Pinetown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 February 2007: 30

8 February 2007

Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 10 [10 - **10** - **10**].

Total Specimens for 8 February 2007: 10

9 February 2007

Senegal: Lengué Kountou: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].

Total Specimens for 9 February 2007: 2

11 February 2007

Senegal: Simenti: ?: Collector Unknown: IVB: 17 [17 - **17** - **17**].

Total Specimens for 11 February 2007: 17

12 February 2007

Senegal: Gué du Damantan: ?: Collector Unknown: IVB: 8 [8 - **8** - **8**].
South Africa: Madikwe Game Reserve: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 12 February 2007: 11

13 February 2007

Senegal: Simenti: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].

Total Specimens for 13 February 2007: 2

14 February 2007

Congo (Democratic Republic of the): Kabobo Forest: Marks, B.D.: FMNH: 2 [2 - **2** - **2**].
Senegal: Dar Salam: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].

Total Specimens for 14 February 2007: 3

15 February 2007

Senegal: Niokolo: ?: Collector Unknown: IVB: 19 [19 - **19** - **19**].
South Africa: Bayete Camp: ?: Collector Unknown: DNSM: 9 [9 - **9** - **9**].

Total Specimens for 15 February 2007: 28

16 February 2007

Congo (Democratic Republic of the): Kabobo Forest: Huhndorf, Michael H.: FMNH: 1 [1]; Kaleme, Prince Kiswele: FMNH: 1 [1]; Marks, B.D.: FMNH: 1 [1 - **3** - **3**].
Senegal: Mount Assirik: ?: Collector Unknown: IVB: 20 [20 - **20** - **20**].
South Africa: Phinda Game Reserve, Forest Lodge: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 16 February 2007: 25

17 February 2007

Congo (Democratic Republic of the): Kabobo Forest: Kahindo, C.: FMNH: 1 [1 - **1** - **1**].
South Africa: Mziki Pan: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 17 February 2007: 5

18 February 2007

Senegal: Niériko: ?: Collector Unknown: IVB: 20 [20 - **20** - **20**].

Total Specimens for 18 February 2007: 20

20 February 2007

Madagascar: Cascade de Manantantely: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 20 February 2007: 1

21 February 2007

Senegal: Hahn – Dakar: ?: Collector Unknown: IVB: 15 [15 - **15** - **15**].

Total Specimens for 21 February 2007: 15

27 February 2007

Mayotte: Coconi: : FMNH: 5 [5]; Goodman, Steven M.: FMNH: 6 [6 - **11**] - Poroani: Goodman, Steven M.: FMNH: 1 [1 - **1** - **12**].
South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Kloof: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 27 February 2007: 15

28 February 2007

Congo (Democratic Republic of the): Misotschi-Kabogo highlands: Plumptre, A.J.; Mulungu, E.A.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 February 2007: 1

1 March 2007

Mayotte: Bouyouni: Goodman, Steven M.: FMNH: 2 [2 - **2**] - Longoni: Goodman, Steven M.: FMNH: 1 [1 - **1**] - Poroani: : FMNH: 2 [2]; Goodman, Steven M.: FMNH: 5 [5 - **7** - **10**].

Total Specimens for 1 March 2007: 10

10 March 2007

Swaziland: Python Pool: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 March 2007: 1

13 March 2007

South Africa: Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 March 2007: 1

17 March 2007

South Africa: Yellowwood Park, Kenneth Stainbank Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 March 2007: 1

19 March 2007

South Africa: Vredefort Dome World Heritage Site: Goodman, Steven M.: FMNH: 5 [5 - **5** - **5**].

Total Specimens for 19 March 2007: 5

20 March 2007

South Africa: Scottburgh: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Vredefort Dome World Heritage Site: Goodman, Steven M.: FMNH: 20 [20 - **20** - **21**].

Total Specimens for 20 March 2007: 21

21 March 2007

South Africa: Vredefort Dome World Heritage Site: Goodman, Steven M.: FMNH: 15 [15 - **15** - **15**].

Total Specimens for 21 March 2007: 15

27 March 2007

Swaziland: Python Pool: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 27 March 2007: 3

28 March 2007

Comoros: Moroni oasis: : FMNH: 4 [4]; Goodman, Steven M.: FMNH: 6 [6 - **10** - **10**].
Swaziland: Python Pool: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 March 2007: 11

29 March 2007

Comoros: Chamle Primary School: Goodman, Steven M.: FMNH: 10 [10 - **10**] - Hahaia Primary School: Goodman, Steven M.: FMNH: 7 [7 - **7** - **17**].

Total Specimens for 29 March 2007: 17

31 March 2007

Comoros: Mohoro Cultural Center: : FMNH: 2 [2]; Goodman, Steven M.: FMNH: 7 [7 - **9** - **9**].

Total Specimens for 31 March 2007: 9

1 April 2007

Comoros: Dima Primary School: : FMNH: 2 [2]; Goodman, Steven M.: FMNH: 6 [6 - **8** - **8**].

Total Specimens for 1 April 2007: 8

2 April 2007

Comoros: Hahaia Primary School: Goodman, Steven M.: FMNH: 1 [1 - **1**] - Moroni-Hahaia Airport entrance gate, 0.5 km N: : FMNH: 2 [2 - **2** - **3**].

Total Specimens for 2 April 2007: 3

15 April 2007

Tanzania: Mwofwomero Forest: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 April 2007: 1

12 May 2007

South Africa: Nagle Dam: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Nagle Dam fish hatchery: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Nagle Dam Lodge: ?: Collector Unknown: DNSM: 5 [5 - **5** - **7**].

Total Specimens for 12 May 2007: 7

22 May 2007

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 May 2007: 1

1 June 2007

Malawi: Mulanje and Blantyre, road between: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 June 2007: 1

7 June 2007

South Africa: Waterfall: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 June 2007: 1

10 June 2007

Malawi: Mughese Forest: Demos, Terrence C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 June 2007: 1

11 June 2007

Malawi: Mughese Forest: Demos, Terrence C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 June 2007: 1

13 June 2007

South Africa: Hectorspruit: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 June 2007: 1

15 June 2007

Malawi: Mughese Forest: Demos, Terrence C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 June 2007: 1

16 June 2007

Malawi: Mwalingo: Demos, Terrence C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 June 2007: 1

17 June 2007

Malawi: Mughese Forest: Demos, Terrence C.: FMNH: 1 [1 - **1**] - Mwalingo: Demos, Terrence C.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 17 June 2007: 2

21 June 2007

Malawi: Mwalingo: Demos, Terrence C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 21 June 2007: 1

23 June 2007

Malawi: Mwalingo: Demos, Terrence C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 June 2007: 1

27 June 2007

Malawi: Mwalingo: Demos, Terrence C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 June 2007: 1

30 June 2007

Malawi: Mwalingo: Demos, Terrence C.: FMNH: 11 [11 - **11** - **11**].

Total Specimens for 30 June 2007: 11

1 July 2007

Malawi: Mwalingo: Demos, Terrence C.: FMNH: 5 [5 - **5** - **5**].
South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 July 2007: 6

2 July 2007

Malawi: Wilindi Forest: Demos, Terrence C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 July 2007: 2

3 July 2007

South Africa: Lajuma Mountain Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 July 2007: 1

5 July 2007

Malawi: Mwalingo: Demos, Terrence C.: FMNH: 1 [1 - **1**] - Wilindi Forest: Demos, Terrence C.: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 5 July 2007: 2

7 July 2007

Malawi: Mwalingo: Demos, Terrence C.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 7 July 2007: 3

8 July 2007

Malawi: Mwalingo: Demos, Terrence C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 8 July 2007: 2

9 July 2007

Malawi: Wilindi Forest: Demos, Terrence C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 July 2007: 2

10 July 2007

Malawi: Mwalingo: Demos, Terrence C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 10 July 2007: 1

13 July 2007

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 July 2007: 1

14 July 2007

Malawi: Chinunka, 1.6 km SE: Demos, Terrence C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 14 July 2007: 1

15 July 2007

Malawi: Chinunka, 1.6 km SE: Demos, Terrence C.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 15 July 2007: 2

16 July 2007

Malawi: Chinunka, 1.6 km SE: Demos, Terrence C.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 July 2007: 1

19 July 2007

South Africa: Kumsinga Hide: ?: Collector Unknown: DNSM: 2 [2 - **2**] - uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 19 July 2007: 3

21 July 2007

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 July 2007: 1

22 July 2007

Congo (Democratic Republic of the): Kahuzi, W slope of mount: Kizungu, R.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 22 July 2007: 1

24 July 2007

Tanzania: Chugu Peak, near: : FMNH: 1 [1 - **1** - **1**].

Total Specimens for 24 July 2007: 1

25 July 2007

Tanzania: Chugu Peak, near: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 25 July 2007: 3

26 July 2007

Tanzania: Chugu Peak, near: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 26 July 2007: 3

27 July 2007

South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 2 [2 - **2**] - uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Tanzania: Chugu Peak, near: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 27 July 2007: 4

30 July 2007

South Africa: Kumasinga Pan: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 July 2007: 1

31 July 2007

Swaziland: Mlawula Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 31 July 2007: 1

1 August 2007

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 August 2007: 1

6 August 2007

South Africa: Kumsinga Hide: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 6 August 2007: 3

8 August 2007

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Swaziland: Mbuluzi Game Reserve, 3rd river crossing: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 August 2007: 3

9 August 2007

Swaziland: Mbuluzi Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mbuluzi Game Reserve, 3rd river crossing: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 9 August 2007: 2

10 August 2007

Tanzania: Amboni Cave Forest: Stanley, William ("Bill") T.: FMNH: 67 [67 - **67** - **67**].

Total Specimens for 10 August 2007: 67

11 August 2007

Swaziland: Python Pool: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 August 2007: 1

13 August 2007

South Africa: Malibali hide: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 13 August 2007: 4

16 August 2007

South Africa: Berg-en-Dal: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 2007: 1

17 August 2007

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 August 2007: 1

19 August 2007

South Africa: Mkuze: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 19 August 2007: 3

22 August 2007

Tanzania: Kiwengwa, near: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6**] - Kiwengwa-Pongwe Forest Reserve cave: Stanley, William ("Bill") T.: FMNH: 15 [15 - **15** - **21**].

Total Specimens for 22 August 2007: 21

23 August 2007

Tanzania: Kiwengwa: Stanley, William ("Bill") T.: FMNH: 8 [8 - **8**] - Zanzibar: : FMNH: 8 [8 - **8** - **16**].

Total Specimens for 23 August 2007: 16

24 August 2007

Tanzania: Pashuni cave: Stanley, William ("Bill") T.: FMNH: 34 [34 - **34** - **34**].

Total Specimens for 24 August 2007: 34

25 August 2007

Tanzania: Dayte cave: Stanley, William ("Bill") T.: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 25 August 2007: 10

27 August 2007

Tanzania: Bungi-Gurunsini: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9**] - Masingini Forest Station: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9**] - Nyambiza Village: Stanley, William ("Bill") T.: FMNH: 21 [21 - **21** - **39**].

Total Specimens for 27 August 2007: 39

28 August 2007

Tanzania: Kwabaniani caves: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 28 August 2007: 3

29 August 2007

Tanzania: Machaga cave: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - Pange Juu cave: Stanley, William ("Bill") T.: FMNH: 5 [5 - **5** - **8**].

Total Specimens for 29 August 2007: 8

1 September 2007

South Africa: Nibela peninsula: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Tanzania: Mikumi National Park: : FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 September 2007: 3

20 September 2007

Senegal: Dar Salam: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].

Total Specimens for 20 September 2007: 1

3 October 2007

Mozambique: Gerhard's Cave: ?: Collector Unknown: DNSM: 1 [1]; Stoffberg, Samantha: DNSM: 4 [4 - **5** - **5**].

Total Specimens for 3 October 2007: 5

10 October 2007

Malawi: Ntchisi Forest Reserve: Patton, James L.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 10 October 2007: 1

14 October 2007

South Africa: Pongolapoort Dam: ?: Collector Unknown: DNSM: 56 [56 - **56** - **56**].

Total Specimens for 14 October 2007: 56

22 October 2007

Ghana: Gbele Resource Reserve: Bonaccorso, Elisa A.: KU: 2 [2 - **2** - **2**].

Total Specimens for 22 October 2007: 2

25 October 2007

Malawi: Ntchisi Forest Reserve: Patton, James L.: MVZ: 5 [5 - **5** - **5**].

Total Specimens for 25 October 2007: 5

26 October 2007

Malawi: Ntchisi Forest Reserve: Patton, James L.: MVZ: 3 [3 - **3** - **3**].

Total Specimens for 26 October 2007: 3

27 October 2007

Malawi: Ntchisi Forest Reserve: Patton, James L.: MVZ: 4 [4 - **4** - **4**].

Total Specimens for 27 October 2007: 4

28 October 2007

Malawi: Ntchisi Forest Reserve: Patton, James L.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 28 October 2007: 1

29 October 2007

Malawi: Ntchisi Forest Reserve: Patton, James L.: MVZ: 25 [25 - **25** - **25**].

Total Specimens for 29 October 2007: 25

30 October 2007

Malawi: Ntchisi Forest Reserve: Patton, James L.: MVZ: 3 [3 - **3** - **3**].

Total Specimens for 30 October 2007: 3

31 October 2007

Malawi: Ntchisi Forest Reserve: Patton, James L.: MVZ: 5 [5 - **5** - **5**].

Total Specimens for 31 October 2007: 5

1 November 2007

Malawi: Ntchisi Forest Reserve: Patton, James L.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 1 November 2007: 1

2 November 2007

Malawi: Ntchisi Forest Reserve: Patton, James L.: MVZ: 2 [2 - **2** - **2**].

Total Specimens for 2 November 2007: 2

11 November 2007

Malawi: Likabula river: Patton, James L.: MVZ: 3 [3 - **3** - **3**].

Total Specimens for 11 November 2007: 3

12 November 2007

Malawi: Likabula river: Patton, James L.: MVZ: 3 [3 - **3** - **3**].

Total Specimens for 12 November 2007: 3

13 November 2007

Malawi: Likabula river: Patton, James L.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 13 November 2007: 1

14 November 2007

Malawi: Likabula river: Patton, James L.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 14 November 2007: 1

15 November 2007

Malawi: Likabula river: Patton, James L.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 15 November 2007: 1

19 November 2007

Cameroon: Nkoélon village: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 19 November 2007: 2

20 November 2007

Cameroon: Nkoélon village: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].
Malawi: Likabula river: Patton, James L.: MVZ: 1 [1 - **1** - **1**].

Total Specimens for 20 November 2007: 7

21 November 2007

Cameroon: Nkoélon village: ?: Collector Unknown: MNHN: 7 [7 - **7**] - Nkoélon-Mvini: Hassanin, Alexandre: MNHN: 1 [1 - **1** - **8**].

Total Specimens for 21 November 2007: 8

23 November 2007

Cameroon: Mbonde Pygmee: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 23 November 2007: 2

24 November 2007

Cameroon: Nkoélon village: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Madagascar: Poste Forestier de Farankaraina: Ruedi, Manuel; Goodman, Steven M.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 24 November 2007: 4

25 November 2007

Cameroon: Nkoélon village: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Madagascar: along Androka River: Goodman, Steven M.; Ruedi, Manuel; Weyeneth, N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 25 November 2007: 2

26 November 2007

Madagascar: Ambanizana: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 26 November 2007: 4

27 November 2007

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 November 2007: 1

29 November 2007

Cameroon: Nemeyong I: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 29 November 2007: 2

30 November 2007

Cameroon: Malene I village: ?: Collector Unknown: MNHN: 5 [5 - **5**] - Nemeyong I: ?: Collector Unknown: MNHN: 1 [1 - **1** - **6**].

Total Specimens for 30 November 2007: 6

1 December 2007

Cameroon: Nemeyong I: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Nkolé Koul village: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].

Total Specimens for 1 December 2007: 2

6 December 2007

Cameroon: Mana bridge: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 6 December 2007: 4

7 December 2007

Cameroon: Mana bridge: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].

Total Specimens for 7 December 2007: 7

8 December 2007

Cameroon: Mana bridge: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].

Total Specimens for 8 December 2007: 5

9 December 2007

Madagascar: Foret de Sahafina: Goodman, Steven M.; Ruedi, Manuel; Weyeneth, N.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 December 2007: 1

14 December 2007

South Africa: Taung World Heritage Site: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 14 December 2007: 1

15 December 2007

South Africa: Taung: ?: Collector Unknown: TM: 2 [2 - **2**] - Taung World Heritage Site: ?: Collector Unknown: TM: 5 [5 - **5** - **7**].

Total Specimens for 15 December 2007: 7

16 December 2007

South Africa: Howick: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 December 2007: 1

21 December 2007

Mozambique: Magude-Mapulenguene: ?: Collector Unknown: DNSM: 4 [4]; : DNSM: 1 [1 - **5** - **5**].

Total Specimens for 21 December 2007: 5

22 December 2007

Mozambique: Rio Wanetsi: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 December 2007: 1

23 December 2007

Mozambique: Bidenguele: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 December 2007: 1

24 December 2007

Mozambique: Save River, south of bridge on EN1: ?: Collector Unknown: DNSM: 6 [6 - **6** - **6**].

Total Specimens for 24 December 2007: 6

25 December 2007

Mozambique: Casa Msika lodge: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 25 December 2007: 2

26 December 2007

South Africa: Everton: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 December 2007: 1

28 December 2007

Mozambique: Gorongoza National Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 December 2007: 1

30 December 2007

Mozambique: Envirotrade site: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 30 December 2007: 3

1 January 2008

Mozambique: Manho Forest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Africa: Kingsburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 2008: 2

17 January 2008

South Africa: Nibela peninsula: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 17 January 2008: 2

18 January 2008

South Africa: Nibela peninsula: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Zambia: Lufupa camp [site 1]: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 5 [5 - **5** - **5**].

Total Specimens for 18 January 2008: 6

19 January 2008

South Africa: Nibela peninsula: ?: Collector Unknown: DNSM: 6 [6 - **6**] - uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **7**].
Zambia: Lufupa camp [site 1]: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 19 January 2008: 8

20 January 2008

South Africa: Nibela peninsula: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Sibengu Lodge: ?: Collector Unknown: DNSM: 2 [2]; Rautenbach, Anita: FMNH: 1 [1 - **3** - **4**].

Total Specimens for 20 January 2008: 4

21 January 2008

Zambia: Lufupa camp [site 2]: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 8 [8 - **8** - **8**].

Total Specimens for 21 January 2008: 8

22 January 2008

South Africa: Nibela peninsula: ?: Collector Unknown: DNSM: 2 [2 - **2**] - uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 7 [7 - **7** - **9**].
Zambia: Lufupa camp [site 2]: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 22 January 2008: 10

23 January 2008

Zambia: Lufupa camp [site 2]: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 1 [1 - **1**] - Lufupa camp [site3]: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 4 [4 - **4** - **5**].

Total Specimens for 23 January 2008: 5

25 January 2008

Zambia: Lufupa camp, open woodland adjacent to flooded grassland [site 4]: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 6 [6 - **6** - **6**].

Total Specimens for 25 January 2008: 6

28 January 2008

Zambia: Lufupa camp, around thatched buildings [site 6]: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 4 [4 - **4** - **4**].

Total Specimens for 28 January 2008: 4

7 February 2008

South Africa: Carolina: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 2008: 1

25 February 2008

Guinea: Whiskey 1: ?: Collector Unknown: ZFMK: 9 [9 - **9** - **9**].

Total Specimens for 25 February 2008: 9

26 February 2008

South Africa: Kingsburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 February 2008: 1

1 March 2008

Guinea: Oueleba: ?: Collector Unknown: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 1 March 2008: 3

3 March 2008

Guinea: Oueleba: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - Whiskey 1: ?: Collector Unknown: ZFMK: 3 [3 - **3** - **4**].

Total Specimens for 3 March 2008: 4

7 March 2008

Guinea: Foko Confluence: ?: Collector Unknown: ZFMK: 10 [10 - **10** - **10**].

Total Specimens for 7 March 2008: 10

8 March 2008

Guinea: Foko Confluence: ?: Collector Unknown: ZFMK: 4 [4 - **4** - **4**].
South Africa: Koegelbeen Cave: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 March 2008: 5

9 March 2008

Guinea: Foko Confluence: ?: Collector Unknown: ZFMK: 2 [2 - **2**] - Pic de Foko: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **3**].

Total Specimens for 9 March 2008: 3

14 March 2008

Guinea: Tourela, 2.3 km E: ?: Collector Unknown: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 14 March 2008: 2

15 March 2008

Guinea: Tourela, 2.3 km E: ?: Collector Unknown: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 15 March 2008: 2

17 March 2008

Guinea: Pic de Foko: ?: Collector Unknown: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 17 March 2008: 2

18 March 2008

Guinea: Pic de Foko: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 18 March 2008: 1

25 March 2008

South Africa: Kranzkloof Nature Reserve: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 25 March 2008: 4

26 March 2008

South Africa: Kranzkloof Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 26 March 2008: 2

27 March 2008

South Africa: Kenneth Stainbank Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 March 2008: 1

28 March 2008

South Africa: Koegelbeen Cave: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].
Swaziland: Python Pool: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 March 2008: 5

29 March 2008

South Africa: Kranzkloof Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 March 2008: 1

30 March 2008

South Africa: Hopefield: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 30 March 2008: 4

8 April 2008

South Africa: Hillcrest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 April 2008: 1

10 April 2008

Swaziland: Mbuluzi Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 April 2008: 1

12 April 2008

South Africa: Yellowwood Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 April 2008: 1

24 April 2008

Morocco: Gorges du Dadès: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 3 [3 - **3** - **3**].

Total Specimens for 24 April 2008: 3

26 April 2008

Morocco: Azigza cave: Benda, Petr: NMP: 10 [10 - **10**] - Kef Azigza Cave: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 9 [9 - **9**] - Kef Azigza Cave: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 11 [11 - **11**] - Takoumit oasis: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 2 [2 - **2** - **32**].

Total Specimens for 26 April 2008: 32

27 April 2008

Morocco: Bekrite: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 2 [2 - **2**] - Takoumit oasis: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 1 [1 - **1** - **3**].

Total Specimens for 27 April 2008: 3

28 April 2008

Morocco: Bekrite: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 7 [7 - **7**] - Kef Azigza Cave: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 1 [1 - **1** - **8**].

Total Specimens for 28 April 2008: 8

7 May 2008

South Africa: Paradise Valley Nature Reserve: ?: Collector Unknown: DNSM: 6 [6 - **6** - **6**].

Total Specimens for 7 May 2008: 6

3 June 2008

Mozambique: Massangena: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 June 2008: 1

8 July 2008

Malawi: Ntchisi Forest Reserve: Šklíba, Jan: NMP: 1 [1 - **1** - **1**].
South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 July 2008: 2

9 July 2008

Malawi: Ntchisi Forest Reserve: Šklíba, Jan: NMP: 2 [2 - **2** - **2**].
South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 4 [4 - **4**] - uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].

Total Specimens for 9 July 2008: 7

12 July 2008

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 July 2008: 1

16 July 2008

South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 July 2008: 1

17 July 2008

South Africa: Kumasinga Pan: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 17 July 2008: 2

22 July 2008

South Africa: Athlone Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 July 2008: 1

26 July 2008

South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 July 2008: 1

27 July 2008

South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 27 July 2008: 2

28 July 2008

South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 July 2008: 1

30 July 2008

South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 July 2008: 1

31 July 2008

South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Umgeni Heights: ?: Collector Unknown: DNSM: 2 [2 - **2** - **5**].

Total Specimens for 31 July 2008: 5

2 August 2008

South Africa: Kumasinga Pan: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 August 2008: 1

7 August 2008

South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 August 2008: 1

16 August 2008

South Africa: Everton: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 August 2008: 1

21 August 2008

South Africa: Gillets: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 August 2008: 1

23 August 2008

South Africa: Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 August 2008: 1

29 August 2008

South Africa: Hells Gate: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 August 2008: 1

2 September 2008

Tanzania: Songwe caves: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 September 2008: 2

3 September 2008

South Africa: Greyville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 September 2008: 1

19 September 2008

Namibia: Evergreen Campsite: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 3 [3 - **3** - **3**].

Total Specimens for 19 September 2008: 3

7 October 2008

South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 October 2008: 1

13 October 2008

Mozambique: Mount Mabu: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 October 2008: 1

17 October 2008

South Africa: Bluff: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 17 October 2008: 2

18 October 2008

Mozambique: Mount Mabu site 7: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 18 October 2008: 1

7 November 2008

Central African Republic: Bangui: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 7 November 2008: 2

8 November 2008

Central African Republic: Bangui: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 8 November 2008: 2

10 November 2008

Senegal: Mbilor: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].

Total Specimens for 10 November 2008: 2

14 November 2008

Central African Republic: Kpoka cave: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 14 November 2008: 1

15 November 2008

Central African Republic: Kpoka cave: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 15 November 2008: 2

16 November 2008

Central African Republic: Kpoka cave: ?: Collector Unknown: MNHN: 7 [7]; Hassanin, Alexandre; Nakouné, Emmanuel; Nesi, Nicolas; Ngoagouni, Carine: MNHN: 1 [1 - **8** - **8**].

Total Specimens for 16 November 2008: 8

17 November 2008

Central African Republic: Kpoka cave: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 17 November 2008: 1

20 November 2008

Mozambique: Mount Namuli base camp: ?: Collector Unknown: DNSM: 1 [1]; : DNSM: 1 [1 - **2** - **2**].

Total Specimens for 20 November 2008: 2

21 November 2008

Central African Republic: Mongoumba: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].

Total Specimens for 21 November 2008: 7

22 November 2008

Central African Republic: Mongoumba: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Total Specimens for 22 November 2008: 3

23 November 2008

Mozambique: Ukalini Forest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Africa: Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 November 2008: 2

26 November 2008

Mozambique: Mount Mabu, forest Ridge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 November 2008: 1

27 November 2008

Mozambique: Manho Forest: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mount Mabu forest camp: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].

Total Specimens for 27 November 2008: 3

28 November 2008

Mozambique: Manho Forest: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 November 2008: 1

30 November 2008

Central African Republic: Nguerengou: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 30 November 2008: 4

2 December 2008

South Africa: Mshopi camping site: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 December 2008: 1

4 December 2008

Central African Republic: Mpoko: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Guinea: Whiskey 1: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 December 2008: 3

6 December 2008

South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 December 2008: 1

8 December 2008

South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 December 2008: 1

9 December 2008

Guinea: Pic de Foko: ?: Collector Unknown: ZFMK: 3 [3 - **3** - **3**].

Total Specimens for 9 December 2008: 3

10 December 2008

Guinea: Pic de Foko: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
South Africa: Mantuma Camp: ?: Collector Unknown: DNSM: 1 [1 - **1**] - uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 5 [5 - **5** - **6**].

Total Specimens for 10 December 2008: 7

11 December 2008

Guinea: Pic de Foko: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].

Total Specimens for 11 December 2008: 1

12 December 2008

Guinea: Western Spur Valley: ?: Collector Unknown: ZFMK: 6 [6 - **6** - **6**].
South Africa: Mshopi camping site: ?: Collector Unknown: DNSM: 1 [1 - **1**] - uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 12 December 2008: 8

13 December 2008

Guinea: Western Spur Valley: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
South Africa: Mshopi camping site: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 13 December 2008: 4

14 December 2008

Guinea: Western Spur Valley: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
South Africa: uMkhuze Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 December 2008: 2

18 December 2008

Guinea: Canga-Moribadou Road, 2nd bridge on: ?: Collector Unknown: ZFMK: 2 [2 - **2** - **2**].

Total Specimens for 18 December 2008: 2

12 January 2009

South Africa: Briardene: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 2009: 1

11 February 2009

Congo (Democratic Republic of the): Yoko: ?: Collector Unknown: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 11 February 2009: 1

12 February 2009

Congo (Democratic Republic of the): Yoko: ?: Collector Unknown: UNIKIS: 2 [2 - **2** - **2**].

Total Specimens for 12 February 2009: 2

13 February 2009

South Africa: Glen Anil: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 February 2009: 1

9 April 2009

Botswana: Gomoti River, Film Camp: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 1 [1 - **1** - **1**].

Total Specimens for 9 April 2009: 1

11 April 2009

Botswana: Gomoti River, Highbanks: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 1 [1 - **1** - **1**].

Total Specimens for 11 April 2009: 1

20 April 2009

South Africa: Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 April 2009: 1

28 April 2009

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 April 2009: 1

29 April 2009

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 2009: 1

1 May 2009

Mozambique: Mount Inago Forest Camp: Bayliss, Julian: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 May 2009: 1

2 May 2009

South Africa: Bayete Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 2009: 1

12 May 2009

Congo (Democratic Republic of the): Yoko: ?: Collector Unknown: UNIKIS: 2 [2 - **2** - **2**].

Total Specimens for 12 May 2009: 2

13 May 2009

Congo (Democratic Republic of the): Yoko: ?: Collector Unknown: UNIKIS: 3 [3 - **3** - **3**].

Total Specimens for 13 May 2009: 3

18 May 2009

Congo (Democratic Republic of the): Yoko: ?: Collector Unknown: UNIKIS: 6 [6 - **6** - **6**].

Total Specimens for 18 May 2009: 6

19 May 2009

Congo (Democratic Republic of the): Yoko: ?: Collector Unknown: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 19 May 2009: 1

20 May 2009

Congo (Democratic Republic of the): Yoko: ?: Collector Unknown: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 20 May 2009: 1

25 May 2009

Congo (Democratic Republic of the): Yoko: ?: Collector Unknown: UNIKIS: 1 [1 - **1** - **1**].
South Africa: Gamberg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 May 2009: 2

26 May 2009

Congo (Democratic Republic of the): Yoko: ?: Collector Unknown: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 26 May 2009: 1

1 June 2009

Mozambique: Mount Mabu: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Mount Mabu forest camp: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].

Total Specimens for 1 June 2009: 3

2 June 2009

South Africa: Albert Falls Resource Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 June 2009: 1

9 June 2009

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 June 2009: 1

20 June 2009

South Africa: Bazely Village: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 June 2009: 1

10 July 2009

South Africa: Rielpoort: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 July 2009: 1

15 July 2009

South Africa: Kingsburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 July 2009: 1

17 July 2009

South Africa: Addington: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 July 2009: 1

19 July 2009

Congo (Democratic Republic of the): Yoko: ?: Collector Unknown: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 19 July 2009: 1

26 July 2009

Tanzania: Fig Tree Arch: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 26 July 2009: 1

5 August 2009

South Africa: Glen Anil: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 August 2009: 1

9 August 2009

South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 August 2009: 1

12 August 2009

South Africa: Merebank: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 August 2009: 1

18 August 2009

South Africa: Kube Yini Private Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Tanzania: Meru Crater: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 18 August 2009: 2

19 August 2009

Tanzania: Meru Crater: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 19 August 2009: 3

1 September 2009

Lesotho: Liqhobong: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 September 2009: 1

5 September 2009

Mozambique: Mount Inago: Bayliss, Julian: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 September 2009: 1

20 September 2009

Congo (Democratic Republic of the): Kasombo: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 20 September 2009: 1

21 September 2009

Congo (Democratic Republic of the): Luena: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 21 September 2009: 1

22 September 2009

Congo (Democratic Republic of the): Mukulakulu: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 49 [49 - **49** - **49**].

Total Specimens for 22 September 2009: 49

23 September 2009

Congo (Democratic Republic of the): Luena: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 1 [1 - **1**] - Yoko: ?: Collector Unknown: UNIKIS: 2 [2 - **2** - **3**].
South Africa: Berea: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 September 2009: 4

24 September 2009

Congo (Democratic Republic of the): Kitombongo: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 11 [11 - **11**] - Yoko: ?: Collector Unknown: UNIKIS: 2 [2 - **2** - **13**].

Total Specimens for 24 September 2009: 13

25 September 2009

Congo (Democratic Republic of the): Kitombongo: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 5 [5 - **5**] - Upemba National Park: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 4 [4 - **4**] - Yoko: ?: Collector Unknown: UNIKIS: 2 [2 - **2** - **11**].
South Africa: Muggiesgat Cave: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 September 2009: 12

26 September 2009

Congo (Democratic Republic of the): Kitombongo: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 6 [6 - **6** - **6**].
South Africa: Mayo: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Sudwala Mines: ?: Collector Unknown: DNSM: 2 [2 - **2** - **4**].

Total Specimens for 26 September 2009: 10

27 September 2009

South Africa: Barberton: Stoffberg, Samantha; Cohen, Lientjie: DNSM: 2 [2 - **2**] - Barberton tunnel: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Mountainland Nature Reserve: ?: Collector Unknown: DNSM: 3 [3 - **3** - **7**].

Total Specimens for 27 September 2009: 7

28 September 2009

Congo (Democratic Republic of the): Lubumbashi: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 5 [5 - **5**] - Yoko: ?: Collector Unknown: UNIKIS: 1 [1 - **1** - **6**].

Total Specimens for 28 September 2009: 6

1 October 2009

Congo (Democratic Republic of the): Katwé: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 1 October 2009: 2

2 October 2009

Congo (Democratic Republic of the): Katwé: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 2 October 2009: 1

3 October 2009

Congo (Democratic Republic of the): Kaloba, 5 km from: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 14 [14 - **14** - **14**].

Total Specimens for 3 October 2009: 14

4 October 2009

Congo (Democratic Republic of the): Eidolon land: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 15 [15 - **15**] - Yoko: ?: Collector Unknown: UNIKIS: 1 [1 - **1** - **16**].

Total Specimens for 4 October 2009: 16

8 October 2009

Congo (Democratic Republic of the): Muvule, cave 4 km from: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 6 [6 - **6** - **6**].

Total Specimens for 8 October 2009: 6

9 October 2009

Congo (Democratic Republic of the): Muvule, cave 4 km from: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 3 [3 - **3** - **3**].

Total Specimens for 9 October 2009: 3

11 October 2009

Congo (Democratic Republic of the): Pandé, forest N of: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 19 [19 - **19** - **19**].

Total Specimens for 11 October 2009: 19

12 October 2009

Congo (Democratic Republic of the): Lubumbashi: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 7 [7 - **7** - **7**].

Total Specimens for 12 October 2009: 7

22 October 2009

Malawi: Chilinda Dam: ?: Collector Unknown: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 22 October 2009: 6

29 October 2009

Malawi: Chilinda Dam: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 29 October 2009: 2

30 October 2009

Malawi: Chilinda Dam: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 30 October 2009: 3

4 November 2009

Malawi: Chilinda Dam 2, below: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 November 2009: 1

8 November 2009

South Africa: Scottburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 November 2009: 1

19 November 2009

South Africa: Umtentwini: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 November 2009: 1

28 November 2009

South Africa: Phinda Game Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 28 November 2009: 2

2 December 2009

Côte d'Ivoire: Azagny National Park: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 2 December 2009: 1

3 December 2009

South Africa: Kingsburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 December 2009: 1

7 December 2009

South Africa: Table Farm Cave: ?: Collector Unknown: DNSM: 20 [20 - **20** - **20**].

Total Specimens for 7 December 2009: 20

8 December 2009

South Africa: Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 8 December 2009: 1

14 December 2009

South Africa: Queensburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 December 2009: 1

18 December 2009

South Africa: Shongweni Dam: ?: Collector Unknown: DNSM: 11 [11 - **11** - **11**].

Total Specimens for 18 December 2009: 11

22 December 2009

South Africa: Durban CBD: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 December 2009: 1

1 January 2010

Comoros: Collège d'Ouani: ?: Collector Unknown: FMNH: 13 [13 - **13**] - Ecole primaire de Chirove: ?: Collector Unknown: FMNH: 6 [6 - **6**] - Grotte de Buemokolo: ?: Collector Unknown: FMNH: 2 [2 - **2** - **21**].

Total Specimens for 1 January 2010: 21

16 January 2010

South Africa: Lajuma Mountain Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 January 2010: 1

20 January 2010

Egypt: Al Qasr: Benda, Petr; Lucan, Radek K.; Horácek, Ivan: NMP: 2 [2 - **2** - **2**].

Total Specimens for 20 January 2010: 2

24 January 2010

Egypt: Aswan: Benda, Petr; Lucan, Radek K.; Horácek, Ivan: NMP: 1 [1 - **1** - **1**].

Total Specimens for 24 January 2010: 1

25 January 2010

Egypt: El A'agab: Benda, Petr; Lucan, Radek K.; Horácek, Ivan: NMP: 1 [1 - **1** - **1**].

Total Specimens for 25 January 2010: 1

28 January 2010

Egypt: Luksor, Karnak Temple: Benda, Petr; Lucan, Radek K.: NMP: 1 [1 - **1** - **1**].

Total Specimens for 28 January 2010: 1

1 February 2010

South Africa: Pafuri: ?: Collector Unknown: TM: 17 [17 - **17** - **17**].

Total Specimens for 1 February 2010: 17

2 February 2010

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Pafuri: ?: Collector Unknown: SNP: 1, TM: 19 [20 - **20** - **21**].

Total Specimens for 2 February 2010: 21

3 February 2010

South Africa: Pafuri: ?: Collector Unknown: TM: 33 [33 - **33** - **33**].

Total Specimens for 3 February 2010: 33

4 February 2010

South Africa: Pafuri: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 4 February 2010: 3

6 February 2010

Congo (Democratic Republic of the): Kikondja: Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 6 February 2010: 1

8 February 2010

South Africa: Ferncliff Bat Cave: ?: Collector Unknown: DNSM: 4 [4]; Schoeman, M. Corrie: DNSM: 1 [1 - **5**] - Lajuma Mountain Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].

Total Specimens for 8 February 2010: 6

9 February 2010

South Africa: Lajuma Mountain Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 February 2010: 1

1 March 2010

South Africa: Soetfontein Cave: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 March 2010: 2

2 March 2010

South Africa: Blinkklip cave: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 2 March 2010: 5

3 March 2010

South Africa: Hopefield mine: ?: Collector Unknown: DNSM: 6 [6 - **6** - **6**].

Total Specimens for 3 March 2010: 6

4 March 2010

South Africa: Hopefield mine: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 4 March 2010: 1

22 March 2010

Ethiopia: Gelego: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 2 [2 - **2** - **2**].

Total Specimens for 22 March 2010: 2

23 March 2010

Ethiopia: Gelego: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **1**].

Total Specimens for 23 March 2010: 1

24 March 2010

Ethiopia: Gelego: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **1**].

Total Specimens for 24 March 2010: 1

25 March 2010

Ethiopia: Gelego: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **1**].
Swaziland: Ngonini estates: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 March 2010: 2

26 March 2010

Ethiopia: Gelego: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 21 [21 - **21** - **21**].
South Africa: Westville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Swaziland: Ngonini estates: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 26 March 2010: 24

27 March 2010

Ethiopia: Gelego: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 5 [5 - **5** - **5**].
South Africa: Sarnia: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Swaziland: Ngonini estates: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 27 March 2010: 8

29 March 2010

Ethiopia: Amjale: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **1**].

Total Specimens for 29 March 2010: 1

30 March 2010

Ethiopia: Amjale: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 6 [6 - **6** - **6**].

Total Specimens for 30 March 2010: 6

31 March 2010

Ethiopia: Amjale: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 3 [3 - **3** - **3**].

Total Specimens for 31 March 2010: 3

2 April 2010

Ethiopia: Amjale: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 4 [4 - **4** - **4**].

Total Specimens for 2 April 2010: 4

3 April 2010

Ethiopia: Amjale: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 11 [11 - **11** - **11**].

Total Specimens for 3 April 2010: 11

4 April 2010

Ethiopia: Amjale: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 11 [11 - **11** - **11**].

Total Specimens for 4 April 2010: 11

5 April 2010

Ethiopia: Amjale: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 3 [3 - **3** - **3**].
South Africa: Paradise Valley Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 April 2010: 4

7 April 2010

Ethiopia: Amjale: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 2 [2 - **2**] - Bermil: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **3**].

Total Specimens for 7 April 2010: 3

8 April 2010

Ethiopia: Bermil: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 5 [5 - **5** - **5**].

Total Specimens for 8 April 2010: 5

9 April 2010

Ethiopia: Bermil: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 6 [6 - **6** - **6**].

Total Specimens for 9 April 2010: 6

10 April 2010

Ethiopia: Bermil: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 3 [3 - **3** - **3**].
South Africa: Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 April 2010: 4

11 April 2010

Ethiopia: Bermil: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 5 [5 - **5** - **5**].

Total Specimens for 11 April 2010: 5

12 April 2010

South Africa: Rocktail Bay: ?: Collector Unknown: TM: 15 [15 - **15** - **15**].

Total Specimens for 12 April 2010: 15

14 April 2010

Ethiopia: Grara: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 9 [9 - **9** - **9**].

Total Specimens for 14 April 2010: 9

15 April 2010

Ethiopia: Grara: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 5 [5 - **5** - **5**].
South Africa: Rocktail Bay: ?: Collector Unknown: TM: 20 [20 - **20** - **20**].

Total Specimens for 15 April 2010: 25

17 April 2010

Ethiopia: Megenagne: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **1**].

Total Specimens for 17 April 2010: 1

18 April 2010

Ethiopia: Megenagne: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 5 [5 - **5** - **5**].

Total Specimens for 18 April 2010: 5

19 April 2010

Ethiopia: Megenagne: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 3 [3 - **3** - **3**].

Total Specimens for 19 April 2010: 3

21 April 2010

Ethiopia: Megenagne: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 2 [2 - **2** - **2**].

Total Specimens for 21 April 2010: 2

29 April 2010

South Africa: Nooitgedacht Farm: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Yellowwood Park: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 29 April 2010: 3

1 May 2010

Congo (Democratic Republic of the): Unknown locality: Nesi, Nicolas; Kadjo, Blaise; Denys, Christiane: MNHN: 5 [5 - **5**] - Lieki: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1** - **6**].

Total Specimens for 1 May 2010: 6

2 May 2010

Congo (Democratic Republic of the): Yaekela: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 5 [5 - **5** - **5**].

Total Specimens for 2 May 2010: 5

3 May 2010

Congo (Democratic Republic of the): Yaekela: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 37 [37 - **37** - **37**].

Total Specimens for 3 May 2010: 37

4 May 2010

Congo (Democratic Republic of the): Yaekela: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 24 [24 - **24** - **24**].

Total Specimens for 4 May 2010: 24

5 May 2010

Congo (Democratic Republic of the): Yaekela: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 30 [30 - **30** - **30**].

Total Specimens for 5 May 2010: 30

6 May 2010

Congo (Democratic Republic of the): Yaekela: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 23 [23 - **23** - **23**].

Total Specimens for 6 May 2010: 23

7 May 2010

Congo (Democratic Republic of the): Yaekela: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 14 [14 - **14** - **14**].

Total Specimens for 7 May 2010: 14

12 May 2010

Congo (Democratic Republic of the): Kona: Gembu Tungaluna, Guy-Crispin: RMCA: 1 [1]; Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 28 [28 - **29** - **29**].

Total Specimens for 12 May 2010: 29

13 May 2010

Congo (Democratic Republic of the): Kona: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 13 [13 - **13** - **13**].

Total Specimens for 13 May 2010: 13

14 May 2010

Congo (Democratic Republic of the): Kona: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 9 [9 - **9** - **9**].

Total Specimens for 14 May 2010: 9

15 May 2010

Congo (Democratic Republic of the): Kona: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 24 [24 - **24**] - Moenge: Gembu Tungaluna, Guy-Crispin: RMCA: 2 [2 - **2** - **26**].

Total Specimens for 15 May 2010: 26

16 May 2010

Congo (Democratic Republic of the): Kona: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 9 [9 - **9**] - Moenge: Gembu Tungaluna, Guy-Crispin: RMCA: 1 [1 - **1** - **10**].

Total Specimens for 16 May 2010: 10

17 May 2010

Congo (Democratic Republic of the): Kona: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 11 [11 - **11** - **11**].

Total Specimens for 17 May 2010: 11

21 May 2010

Congo (Democratic Republic of the): Bomane: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 26 [26 - **26**] - Kona: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 2 [2 - **2**] - Lieki: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1** - **29**].

Total Specimens for 21 May 2010: 29

22 May 2010

Congo (Democratic Republic of the): Bomane: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 2 [2 - **2**] - Lieki: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1** - **3**].

Total Specimens for 22 May 2010: 3

23 May 2010

Congo (Democratic Republic of the): Bomane: Gembu Tungaluna, Guy-Crispin: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 23 May 2010: 1

24 May 2010

Congo (Democratic Republic of the): Bomane: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 24 May 2010: 1

29 May 2010

Congo (Democratic Republic of the): Lieki: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 4 [4 - **4** - **4**].

Total Specimens for 29 May 2010: 4

30 May 2010

Congo (Democratic Republic of the): Bomane: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 9 [9 - **9**] - Lieki: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 7 [7 - **7** - **16**].

Total Specimens for 30 May 2010: 16

31 May 2010

Congo (Democratic Republic of the): Bomane: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1**] - Lieki: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1** - **2**].

Total Specimens for 31 May 2010: 2

1 June 2010

Congo (Democratic Republic of the): Lieki: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 9 [9 - **9** - **9**].

Total Specimens for 1 June 2010: 9

2 June 2010

Congo (Democratic Republic of the): Lieki: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 15 [15 - **15** - **15**].

Total Specimens for 2 June 2010: 15

3 June 2010

Congo (Democratic Republic of the): Lieki: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 7 [7 - **7** - **7**].
South Africa: Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 3 June 2010: 8

11 June 2010

South Africa: Malvern: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 11 June 2010: 3

19 June 2010

Mozambique: Gurué Tea Plantation: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 June 2010: 1

20 June 2010

Mozambique: Gurué Tea Plantation: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 20 June 2010: 1

23 June 2010

South Africa: Scottburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 June 2010: 1

18 July 2010

South Africa: Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 18 July 2010: 1

21 July 2010

South Africa: Umkomaas: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 July 2010: 1

25 July 2010

South Africa: Lajuma: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 July 2010: 1

30 July 2010

South Africa: Kensington: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 July 2010: 1

4 August 2010

South Sudan: Jebel Gire, Base Camp: Reeder, DeeAnn M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 4 August 2010: 1

12 August 2010

South Sudan: Mundari Civil Hospital: Reeder, DeeAnn M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 12 August 2010: 1

13 August 2010

South Africa: Lajuma Mountain Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 13 August 2010: 1

12 September 2010

Congo (Democratic Republic of the): Faradje: Gembu Tungaluna, Guy-Crispin: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 12 September 2010: 1

15 September 2010

South Africa: Lajuma Mountain Reserve: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 15 September 2010: 3

2 October 2010

Morocco: Derdara: Benda, Petr; Reiter, Antonin; Ševcík, Martin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].

Total Specimens for 2 October 2010: 1

7 October 2010

Morocco: Gorges du Dadès: Benda, Petr; Reiter, Antonin; Ševcík, Martin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].

Total Specimens for 7 October 2010: 1

9 October 2010

Mozambique: Bamboo Inn: Goodman, Steven M.; Monadjem, Ara: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 9 October 2010: 2

12 October 2010

South Africa: Kgaswane Nature Reserve: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 12 October 2010: 2

13 October 2010

Mauritania: Kaédi, W edge: Benda, Petr; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].

Total Specimens for 13 October 2010: 1

23 October 2010

South Africa: Lajuma Mountain Reserve: ?: Collector Unknown: DNSM: 6 [6 - **6** - **6**].

Total Specimens for 23 October 2010: 6

2 November 2010

Madagascar: Ambatoharanana cave: Goodman, Steven M.; Schoeman, M. Corrie: FMNH: 1 [1 - **1** - **1**].
South Africa: Ntsizwe mine: ?: Collector Unknown: DNSM: 7 [7]; Richardson, E.J.: DNSM: 3 [3 - **10** - **10**].

Total Specimens for 2 November 2010: 11

8 November 2010

South Africa: Pafuri: ?: Collector Unknown: TM: 7 [7 - **7** - **7**].

Total Specimens for 8 November 2010: 7

9 November 2010

South Africa: Pafuri: ?: Collector Unknown: SNP: 1, TM: 3 [4 - **4** - **4**].

Total Specimens for 9 November 2010: 4

10 November 2010

South Africa: Pafuri: ?: Collector Unknown: TM: 8 [8 - **8** - **8**].

Total Specimens for 10 November 2010: 8

11 November 2010

South Africa: Pafuri: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 11 November 2010: 2

12 November 2010

South Africa: Pafuri: ?: Collector Unknown: TM: 24 [24 - **24** - **24**].

Total Specimens for 12 November 2010: 24

14 November 2010

South Africa: Black Eagle Lodge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 14 November 2010: 1

19 November 2010

South Africa: Black Eagle Lodge: ?: Collector Unknown: DNSM: 6 [6 - **6** - **6**].

Total Specimens for 19 November 2010: 6

6 December 2010

Egypt: Hindaw: Lucan, Radek K.: NMP: 1 [1 - **1** - **1**].

Total Specimens for 6 December 2010: 1

7 December 2010

Sudan: Dongola: Benda, Petr; Šmíd, J.: NMP: 2 [2 - **2** - **2**].

Total Specimens for 7 December 2010: 2

10 December 2010

Sudan: Ferka: Benda, Petr; Šmíd, J.: NMP: 1 [1 - **1** - **1**].

Total Specimens for 10 December 2010: 1

11 December 2010

South Africa: Kgaswane Nature Reserve: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 11 December 2010: 2

22 December 2010

South Africa: Durban: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 December 2010: 1

23 December 2010

Liberia: Yiti River: Monadjem, Ara: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 December 2010: 1

31 December 2010

Zambia: Lufupa Camp: Seamark, Ernest Charles James: NMZL: 1 [1 - **1** - **1**].

Total Specimens for 31 December 2010: 1

12 January 2011

Cameroon: Hardé 2: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1** - **1**].

Total Specimens for 12 January 2011: 1

14 January 2011

Cameroon: Makabay: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1**] - Mizao: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1**] - Pont Rouge: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1** - **3**].

Total Specimens for 14 January 2011: 3

18 January 2011

Cameroon: Hardé 2: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1**] - Pont Rouge: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1** - **2**].

Total Specimens for 18 January 2011: 2

19 January 2011

Cameroon: Pont Vert: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1** - **1**].
South Africa: Durban CBD: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 19 January 2011: 2

21 January 2011

Congo (Democratic Republic of the): Mongbwalu: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 21 January 2011: 2

4 February 2011

Namibia: Windpoort Farm 428, Tandala Ridge: Osborne, T.O.: CAS: 7 [7 - **7** - **7**].

Total Specimens for 4 February 2011: 7

6 February 2011

South Africa: Buzzard Mountain Retreat: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 February 2011: 1

7 February 2011

South Africa: Buzzard Mountain Retreat: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 2011: 1

11 February 2011

South Africa: Phinda Game Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Scottburgh: ?: Collector Unknown: DNSM: 3 [3 - **3** - **4**].

Total Specimens for 11 February 2011: 4

15 February 2011

Malawi: Kwitunji Camp: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 15 February 2011: 1

16 February 2011

Malawi: Namizimu Forest Reserve: ?: Collector Unknown: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 16 February 2011: 4

19 February 2011

Cameroon: Mizao: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1** - **1**].

Total Specimens for 19 February 2011: 1

20 February 2011

Cameroon: Mizao: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1**] - Pont Rouge: Bakwo Fils, Eric Moise: LZUM: 2 [2 - **2** - **3**].

Total Specimens for 20 February 2011: 3

3 March 2011

Cameroon: Hardé 2: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1** - **1**].

Total Specimens for 3 March 2011: 1

15 March 2011

South Africa: Chatsworth: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 March 2011: 1

26 March 2011

South Africa: Kromdraai Gold Mine: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 March 2011: 1

13 April 2011

Cameroon: Extreme-Nord province: Bakwo Fils, Eric Moise; Bol A Anong, Alima: LZUM: 1 [1 - **1** - **1**].

Total Specimens for 13 April 2011: 1

17 April 2011

South Africa: Louis Trichardt: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 17 April 2011: 1

29 April 2011

South Africa: Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 April 2011: 1

6 May 2011

South Africa: Sterkspruit 33 JT Farm: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 May 2011: 1

8 May 2011

Congo (Democratic Republic of the): Djabir: Musaba Akawa, Prescott: RMCA: 8 [8]; Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 27 [27 - **35** - **35**].

Total Specimens for 8 May 2011: 35

9 May 2011

Congo (Democratic Republic of the): Djabir: Musaba Akawa, Prescott: RMCA: 17 [17]; Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 26 [26 - **43** - **43**].

Total Specimens for 9 May 2011: 43

10 May 2011

Congo (Democratic Republic of the): Djabir: Musaba Akawa, Prescott: RMCA: 15 [15]; Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 16 [16 - **31** - **31**].

Total Specimens for 10 May 2011: 31

11 May 2011

Congo (Democratic Republic of the): Djabir: Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 1 [1 - **1** - **1**].
South Africa: Scottburgh: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 May 2011: 2

12 May 2011

Congo (Democratic Republic of the): Djabir: Musaba Akawa, Prescott: RMCA: 13 [13]; Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 10 [10 - **23** - **23**].

Total Specimens for 12 May 2011: 23

13 May 2011

Congo (Democratic Republic of the): Djabir: Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 17 [17 - **17** - **17**].

Total Specimens for 13 May 2011: 17

30 May 2011

South Africa: Chelmsford Nature Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 30 May 2011: 2

1 June 2011

Guinea: Zogota: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 1 June 2011: 2

2 June 2011

Guinea: Zogota: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].

Total Specimens for 2 June 2011: 5

3 June 2011

Guinea: Zogota: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 3 June 2011: 2

5 June 2011

Guinea: Zogota: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].

Total Specimens for 5 June 2011: 5

6 June 2011

South Africa: Vryheid Hill Nature Reserve: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Total Specimens for 6 June 2011: 4

7 June 2011

Guinea: Zogota: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 7 June 2011: 4

8 June 2011

Guinea: Zogota: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 8 June 2011: 2

10 June 2011

Guinea: Zogota: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].

Total Specimens for 10 June 2011: 9

11 June 2011

Guinea: Zogota: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].

Total Specimens for 11 June 2011: 7

12 June 2011

Guinea: Zogota: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
South Africa: Greyville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 June 2011: 2

13 June 2011

Guinea: Zogota: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 13 June 2011: 2

16 June 2011

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
South Africa: Rudyard Cottage: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 June 2011: 4

17 June 2011

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Liberia: Fapé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 17 June 2011: 6

18 June 2011

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].

Total Specimens for 18 June 2011: 8

19 June 2011

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 19 June 2011: 4

20 June 2011

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].

Total Specimens for 20 June 2011: 9

21 June 2011

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].

Total Specimens for 21 June 2011: 5

22 June 2011

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].

Total Specimens for 22 June 2011: 6

25 June 2011

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].

Total Specimens for 25 June 2011: 5

27 June 2011

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Total Specimens for 27 June 2011: 4

28 June 2011

Guinea: Gbaolé: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for 28 June 2011: 2

5 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].

Total Specimens for 5 July 2011: 9

6 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].

Total Specimens for 6 July 2011: 8

7 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].

Total Specimens for 7 July 2011: 5

8 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].

Total Specimens for 8 July 2011: 8

11 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].

Total Specimens for 11 July 2011: 8

12 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].

Total Specimens for 12 July 2011: 7

13 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].

Total Specimens for 13 July 2011: 6

14 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Total Specimens for 14 July 2011: 3

15 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].

Total Specimens for 15 July 2011: 8

16 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 16 July 2011: 1

18 July 2011

Liberia: Fapé: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Morocco: Mizu-Tétouan: Salicini, Irene: EBD: 4 [4 - **4** - **4**].

Total Specimens for 18 July 2011: 7

27 July 2011

Guinea: Fressoudou: ?: Collector Unknown: MNHN: 12 [12 - **12** - **12**].

Total Specimens for 27 July 2011: 12

28 July 2011

Guinea: Fressoudou: ?: Collector Unknown: MNHN: 17 [17 - **17** - **17**].
South Africa: Amanzimtoti: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 July 2011: 18

29 July 2011

South Africa: Vygeboom Dam: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 July 2011: 1

30 July 2011

Guinea: Fressoudou: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].

Total Specimens for 30 July 2011: 9

31 July 2011

Guinea: Fressoudou: ?: Collector Unknown: MNHN: 10 [10 - **10** - **10**].

Total Specimens for 31 July 2011: 10

2 August 2011

Guinea: Samedou: ?: Collector Unknown: MNHN: 12 [12 - **12** - **12**].

Total Specimens for 2 August 2011: 12

3 August 2011

Guinea: Samedou: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Total Specimens for 3 August 2011: 3

4 August 2011

Guinea: Samedou: ?: Collector Unknown: MNHN: 14 [14 - **14** - **14**].

Total Specimens for 4 August 2011: 14

5 August 2011

Guinea: Samedou: ?: Collector Unknown: MNHN: 11 [11 - **11** - **11**].

Total Specimens for 5 August 2011: 11

7 August 2011

Guinea: Fressoudou: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].

Total Specimens for 7 August 2011: 9

8 August 2011

Guinea: Fressoudou: ?: Collector Unknown: MNHN: 11 [11 - **11** - **11**].

Total Specimens for 8 August 2011: 11

9 August 2011

Guinea: Fressoudou: ?: Collector Unknown: MNHN: 10 [10 - **10** - **10**].

Total Specimens for 9 August 2011: 10

10 August 2011

Guinea: Fressoudou: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].

Total Specimens for 10 August 2011: 9

12 August 2011

Mozambique: Gorongosa National Park, village below forest: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 12 August 2011: 1

16 August 2011

Mozambique: Gorongosa National Park, montain forest 1: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 16 August 2011: 1

17 August 2011

Mozambique: Morombozi River, below forest: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 17 August 2011: 1

19 August 2011

Mozambique: Gorongosa National Park, village below forest: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 19 August 2011: 1

20 August 2011

Mozambique: Morombozi River, below forest: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
South Sudan: Mundari Civil Hospital: ?: Collector Unknown: USNM: 6 [6 - **6** - **6**].

Total Specimens for 20 August 2011: 7

21 August 2011

Mozambique: Gorongosa National Park, cave at alpine-forest interface: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Gorongosa National Park, montain forest 1: ?: Collector Unknown: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 21 August 2011: 3

22 August 2011

Mozambique: Morombozi River, below forest: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
South Sudan: Wudu Market: ?: Collector Unknown: USNM: 3 [3 - **3** - **3**].

Total Specimens for 22 August 2011: 4

23 August 2011

Mozambique: Gorongosa National Park, cave at alpine-forest interface: ?: Collector Unknown: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 23 August 2011: 4

24 August 2011

South Sudan: Mogiri, Reeder Family Compound: ?: Collector Unknown: USNM: 1 [1 - **1**] - Mundari Civil Hospital: ?: Collector Unknown: USNM: 5 [5 - **5** - **6**].

Total Specimens for 24 August 2011: 6

26 August 2011

South Africa: Crowned Eagle Lodge, below: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Sudan: Kinyiba Cave: ?: Collector Unknown: USNM: 22 [22 - **22** - **22**].

Total Specimens for 26 August 2011: 23

27 August 2011

South Africa: Farm Welgevonden 449: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 August 2011: 1

28 August 2011

Mozambique: Muaredzi River, karst cave 1: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 August 2011: 1

29 August 2011

Mozambique: Muaredzi River, karst cave 2: ?: Collector Unknown: FMNH: 14 [14 - **14** - **14**].

Total Specimens for 29 August 2011: 14

30 August 2011

South Sudan: Luro Cave, base camp: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 30 August 2011: 1

2 September 2011

South Sudan: Kungupuri: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].

Total Specimens for 2 September 2011: 2

4 September 2011

South Sudan: Kungupuri: ?: Collector Unknown: USNM: 12 [12 - **12** - **12**].

Total Specimens for 4 September 2011: 12

9 September 2011

South Sudan: Panyai: ?: Collector Unknown: USNM: 10 [10 - **10** - **10**].

Total Specimens for 9 September 2011: 10

14 September 2011

South Africa: Hillside Farm: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Lajuma Forest Lodge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
South Sudan: Mere: ?: Collector Unknown: USNM: 5 [5 - **5** - **5**].

Total Specimens for 14 September 2011: 9

15 September 2011

South Africa: Lajuma Wilderness Camp: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Sudan: Mere: ?: Collector Unknown: USNM: 9 [9 - **9** - **9**].

Total Specimens for 15 September 2011: 10

16 September 2011

South Sudan: Kabi stream: ?: Collector Unknown: USNM: 11 [11 - **11**] - Mogiri Hill, NE of Town: ?: Collector Unknown: USNM: 1 [1 - **1**] - Mogiri, NW of town: Reeder, DeeAnn M.: USNM: 1 [1 - **1** - **13**].

Total Specimens for 16 September 2011: 13

18 September 2011

South Sudan: Kabi stream: ?: Collector Unknown: USNM: 14 [14 - **14** - **14**].

Total Specimens for 18 September 2011: 14

19 September 2011

South Sudan: Mogiri Hill, NE of Town: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 19 September 2011: 1

20 September 2011

South Sudan: Kabi stream: ?: Collector Unknown: USNM: 16 [16 - **16** - **16**].

Total Specimens for 20 September 2011: 16

22 September 2011

South Sudan: Mere: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].

Total Specimens for 22 September 2011: 2

25 September 2011

South Africa: Phinda Mountain Lodge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 September 2011: 1

26 September 2011

South Africa: Phinda Game Reserve, Cave 3: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Phinda Mountain Lodge: ?: Collector Unknown: DNSM: 6 [6 - **6** - **8**].

Total Specimens for 26 September 2011: 8

28 September 2011

South Africa: Phinda Mountain Lodge: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Phinda Rock Lodge: ?: Collector Unknown: DNSM: 4 [4 - **4** - **5**].

Total Specimens for 28 September 2011: 5

29 September 2011

South Africa: Phinda Game Reserve: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 29 September 2011: 5

30 September 2011

South Africa: Phinda Mountain Lodge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Sudan: Panyai: ?: Collector Unknown: USNM: 12 [12 - **12** - **12**].

Total Specimens for 30 September 2011: 13

1 October 2011

South Sudan: Mundari Civil Hospital: ?: Collector Unknown: USNM: 6 [6 - **6** - **6**].

Total Specimens for 1 October 2011: 6

3 October 2011

South Sudan: Panyai: ?: Collector Unknown: USNM: 7 [7 - **7** - **7**].

Total Specimens for 3 October 2011: 7

4 October 2011

South Sudan: Kabi stream: Reeder, DeeAnn M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 4 October 2011: 1

5 October 2011

South Sudan: Panyai: ?: Collector Unknown: USNM: 15 [15 - **15** - **15**].

Total Specimens for 5 October 2011: 15

7 October 2011

South Sudan: Panyai: ?: Collector Unknown: USNM: 12 [12 - **12** - **12**].

Total Specimens for 7 October 2011: 12

9 October 2011

South Sudan: Kinyiba-Bekat, approximately 1 km west of town center: Reeder, DeeAnn M.: USNM: 7 [7 - **7**] - Kinyiba-Bekat, ca. 1 km W of town center: Reeder, DeeAnn M.: USNM: 1 [1 - **1** - **8**].

Total Specimens for 9 October 2011: 8

10 October 2011

South Sudan: Mogiri, Reeder Family Compound: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 10 October 2011: 1

11 October 2011

South Sudan: Mundari Civil Hospital: ?: Collector Unknown: USNM: 7 [7 - **7** - **7**].

Total Specimens for 11 October 2011: 7

12 October 2011

South Sudan: Jale: ?: Collector Unknown: USNM: 11 [11 - **11** - **11**].

Total Specimens for 12 October 2011: 11

13 October 2011

Egypt: Al Rashda: Lucan, Radek K.: NMP: 4 [4 - **4** - **4**].

Total Specimens for 13 October 2011: 4

14 October 2011

South Africa: Lajuma Forest Lodge: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 14 October 2011: 3

17 October 2011

Egypt: Al Bahariya: Lucan, Radek K.: NMP: 3 [3 - **3** - **3**].

Total Specimens for 17 October 2011: 3

21 October 2011

South Africa: Lajuma Mountain Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 October 2011: 1

27 October 2011

South Africa: Berg Plants farm: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 27 October 2011: 1

5 November 2011

South Africa: Lajuma, wetland: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 November 2011: 1

11 November 2011

South Africa: Lajuma Bridge: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 November 2011: 1

12 November 2011

South Africa: Mopani: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].

Total Specimens for 12 November 2011: 6

13 November 2011

South Africa: Letaba Highwater Bridge: ?: Collector Unknown: MNHN: 1 [1 - **1**] - Mopani: ?: Collector Unknown: MNHN: 9 [9 - **9** - **10**].

Total Specimens for 13 November 2011: 10

21 November 2011

South Africa: Charter's Creek: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for 21 November 2011: 1

28 November 2011

South Africa: Kudus Vlei farm: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 November 2011: 1

29 November 2011

South Africa: Vellefontein 517 KQ: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 November 2011: 1

1 December 2011

Madagascar: Ranohira, 10.5 km SW [Hotel Jardin du Roi]: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
South Africa: Gatkop cave: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 15 [15 - **15** - **15**].

Total Specimens for 1 December 2011: 16

16 December 2011

South Africa: Gatkop cave: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 2 [2 - **2** - **2**].

Total Specimens for 16 December 2011: 2

18 December 2011

South Africa: Gatkop cave: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 8 [8 - **8** - **8**].

Total Specimens for 18 December 2011: 8

23 December 2011

Liberia: Mount Nimba: Monadjem, Ara: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 December 2011: 1

25 December 2011

Namibia: Windpoort Farm 428, Tandala Ridge: Osborne, T.O.: CAS: 1 [1 - **1** - **1**].

Total Specimens for 25 December 2011: 1

1 January 2012

Madagascar: Unknown locality: ?: Collector Unknown: FMNH: 28 [28]; Goodman, Steven M.: UADBA: 30 [30 - **58**] - Ambovondramanesy: ?: Collector Unknown: FMNH: 7, UADBA: 4 [11]; Goodman, Steven M.: UADBA: 1 [1 - **12**] - Anjohikinakina cave: ?: Collector Unknown: FMNH: 7, UADBA: 3 [10 - **10**] - Ankapoka: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Ankililoaka: Goodman, Steven M.: UADBA: 1 [1 - **1**] - Ankily: ?: Collector Unknown: FMNH: 1, UADBA: 1 [2]; Goodman, Steven M.: UADBA: 1 [1 - **3**] - Antanandava: ?: Collector Unknown: FMNH: 3 [3 - **3**] - Belo Tsiribihina: ?: Collector Unknown: FMNH: 6, UADBA: 1 [7 - **7**] - Betioky Sud: ?: Collector Unknown: FMNH: 1, UADBA: 7 [8]; Goodman, Steven M.: UADBA: 1 [1 - **9**] - Cascade d'Antanamarina: ?: Collector Unknown: FMNH: 8, UADBA: 3 [11 - **11**] - Grotte d'Ambahibe: ?: Collector Unknown: FMNH: 8, UADBA: 2 [10]; Goodman, Steven M.: UADBA: 1 [1 - **11**] - Grotte d'Ambanilia: ?: Collector Unknown: FMNH: 1, UADBA: 5 [6 - **6**] - Grotte d'Ambatoharanana: ?: Collector Unknown: UADBA: 2 [2]; Goodman, Steven M.: UADBA: 2 [2 - **4**] - Grotte d'Andrafiabe, forêt près: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Grotte d'Andranoilovy: ?: Collector Unknown: FMNH: 3, UADBA: 5 [8]; Goodman, Steven M.: UADBA: 3 [3 - **11**] - Grotte d'Anjohibe: ?: Collector Unknown: FMNH: 16, UADBA: 18 [34 - **34**] - Grotte d'Anjohikely: ?: Collector Unknown: FMNH: 4, UADBA: 6 [10]; Goodman, Steven M.: UADBA: 1 [1 - **11**] - Grotte de Bekapity: ?: Collector Unknown: FMNH: 5, UADBA: 3 [8 - **8**] - Grotte de Tanambao: ?: Collector Unknown: FMNH: 3, UADBA: 2 [5]; Goodman, Steven M.: UADBA: 1 [1 - **6**] - Grotte de Vintane: ?: Collector Unknown: FMNH: 3, UADBA: 1 [4]; Goodman, Steven M.: UADBA: 1 [1 - **5**] - Grotte des chauves-souris: ?: Collector Unknown: FMNH: 9, UADBA: 5 [14]; Goodman, Steven M.: UADBA: 5 [5 - **19**] - Grotte des chauves-souris/makis: ?: Collector Unknown: FMNH: 4, UADBA: 5 [9]; Goodman, Steven M.: UADBA: 1 [1 - **10**] - Grotte du troisième canyon: ?: Collector Unknown: FMNH: 4 [4]; Goodman, Steven M.: UADBA: 5 [5 - **9**] - Mahabo: ?: Collector Unknown: UADBA: 8 [8]; Goodman, Steven M.: UADBA: 1 [1 - **9**] - Mahajanga, N of: ?: Collector Unknown: FMNH: 4, UADBA: 5 [9 - **9**] - Marofandilia: ?: Collector Unknown: UADBA: 5 [5]; Goodman, Steven M.: UADBA: 3 [3 - **8**] - Ranohira, 3.8 km NW: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Sakaraha: ?: Collector Unknown: FMNH: 2, UADBA: 4 [6]; Goodman, Steven M.: UADBA: 1 [1 - **7**] - Tsimafana: ?: Collector Unknown: FMNH: 5, UADBA: 3 [8]; Goodman, Steven M.: UADBA: 1 [1 - **9** - **294**].
Mauritius: Camp Thorel Cave: ?: Collector Unknown: FMNH: 11 [11 - **11**] - Caverne Trois Bras: ?: Collector Unknown: FMNH: 17 [17 - **17**] - Palma Cave: ?: Collector Unknown: FMNH: 3 [3 - **3** - **31**].
South Africa: Farm Welgevonden 449: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 January 2012: 326

15 January 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: RMCA: 4 [4]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **5** - **5**].

Total Specimens for 15 January 2012: 5

16 January 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 2 [2 - **2** - **2**].

Total Specimens for 16 January 2012: 2

17 January 2012

Namibia: Windpoort Farm 428, Tandala Ridge: Osborne, T.O.: CAS: 5 [5 - **5** - **5**].

Total Specimens for 17 January 2012: 5

20 January 2012

South Africa: Farm Welgevonden 449: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Randstephne 455 KQ: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 20 January 2012: 3

21 January 2012

South Africa: Farm Welgevonden 449: ?: Collector Unknown: DNSM: 3 [3 - **3**] - Kraaibosch 55 JT: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Total Specimens for 21 January 2012: 4

28 January 2012

South Africa: Randstephne 455 KQ: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 January 2012: 1

7 February 2012

Swaziland: Rosecraft: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 February 2012: 1

11 February 2012

Congo (Democratic Republic of the): île Mbiye: Gembu Tungaluna, Guy-Crispin: RMCA: 1 [1 - **1** - **1**].
South Africa: Louis Trichardt: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 February 2012: 2

18 February 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 18 February 2012: 1

19 February 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: RMCA: 1 [1]; Musaba Akawa, Prescott; *et al.*: RMCA: 1 [1]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 1 [1]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **4** - **4**].

Total Specimens for 19 February 2012: 4

20 February 2012

Congo (Democratic Republic of the): Île Mafi: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - île Mbiye: Musaba Akawa, Prescott: RMCA: 2 [2 - **2** - **3**].

Total Specimens for 20 February 2012: 3

24 February 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: RMCA: 3 [3]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 1 [1]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **5** - **5**].

Total Specimens for 24 February 2012: 5

25 February 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: RMCA: 6 [6]; Musaba Akawa, Prescott; *et al.*: RMCA: 1 [1]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 2 [2]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 2 [2 - **11** - **11**].

Total Specimens for 25 February 2012: 11

24 March 2012

South Africa: Eagles Nest Farm: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 24 March 2012: 2

25 March 2012

South Africa: Eagles Nest Farm: ?: Collector Unknown: DNSM: 7 [7 - **7** - **7**].

Total Specimens for 25 March 2012: 7

28 March 2012

South Africa: Farm Welgevonden 449: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Total Specimens for 28 March 2012: 3

29 March 2012

Congo (Democratic Republic of the): Île Mafi: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 3 [3 - **3** - **3**].
South Africa: Farm Welgevonden 449: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 March 2012: 4

30 March 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 3 [3 - **3** - **3**].
South Africa: Hillside Farm: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 30 March 2012: 5

31 March 2012

Congo (Democratic Republic of the): Île Mafi: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - île Mbiye: Musaba Akawa, Prescott: RMCA: 1 [1]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 11 [11 - **12** - **13**].
South Africa: Black Eagle Lodge: ?: Collector Unknown: DNSM: 7 [7 - **7**] - Buzzard Mountain Retreat: ?: Collector Unknown: DNSM: 1 [1 - **1** - **8**].

Total Specimens for 31 March 2012: 21

1 April 2012

South Africa: Ingwavuma, Border Cave: ?: Collector Unknown: DNSM: 2 [2 - **2**] - Louis Trichardt: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Total Specimens for 1 April 2012: 3

2 April 2012

South Africa: Hlatikulu Forest Reserve: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 2 April 2012: 2

4 April 2012

South Africa: Ndumo Game Reserve: ?: Collector Unknown: DNSM: 16 [16 - **16** - **16**].

Total Specimens for 4 April 2012: 16

11 April 2012

South Africa: Musgrave: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 11 April 2012: 1

13 April 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 13 April 2012: 1

14 April 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: RMCA: 1 [1 - **1** - **1**].

Total Specimens for 14 April 2012: 1

15 April 2012

Congo (Democratic Republic of the): Île Mafi: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - île Mbiye: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1** - **2**].

Total Specimens for 15 April 2012: 2

7 May 2012

Mozambique: Mount Mecula: Bayliss, Julian: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 May 2012: 1

8 May 2012

Mozambique: Mount Mecula: Bayliss, J.: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 8 May 2012: 2

9 May 2012

South Africa: Ferncliff Bat Cave: ?: Collector Unknown: DNSM: 13 [13]; Schoeman, M. Corrie: DNSM: 2 [2 - **15** - **15**].

Total Specimens for 9 May 2012: 15

18 May 2012

Congo (Democratic Republic of the): Uma: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 18 May 2012: 1

19 May 2012

South Africa: Blouberg Private Nature Reserve]: ?: Collector Unknown: DNSM: 12 [12 - **12** - **12**].

Total Specimens for 19 May 2012: 12

31 May 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 31 May 2012: 2

3 June 2012

Congo (Democratic Republic of the): Kisantu: Stanley, William ("Bill") T.: FMNH: 19 [19 - **19** - **19**].

Total Specimens for 3 June 2012: 19

5 June 2012

South Africa: Greyville: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 June 2012: 1

7 June 2012

Congo (Democratic Republic of the): Baliko: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 7 June 2012: 2

10 June 2012

Congo (Democratic Republic of the): Baliko: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 10 June 2012: 2

11 June 2012

Congo (Democratic Republic of the): Baliko: Stanley, William ("Bill") T.: FMNH: 7 [7 - **7** - **7**].

Total Specimens for 11 June 2012: 7

12 June 2012

Congo (Democratic Republic of the): Baliko: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 12 June 2012: 6

13 June 2012

Congo (Democratic Republic of the): Baliko: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 June 2012: 2

14 June 2012

Congo (Democratic Republic of the): Baliko: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 14 June 2012: 2

15 June 2012

Congo (Democratic Republic of the): Baliko: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - Quatorze: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **3**].

Total Specimens for 15 June 2012: 3

10 July 2012

South Africa: Umbilo: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Sudan: Panyai: ?: Collector Unknown: USNM: 8 [8 - **8** - **8**].

Total Specimens for 10 July 2012: 9

11 July 2012

South Sudan: Panyai: ?: Collector Unknown: USNM: 12 [12 - **12** - **12**].

Total Specimens for 11 July 2012: 12

12 July 2012

South Sudan: Panyai: ?: Collector Unknown: USNM: 12 [12 - **12** - **12**].

Total Specimens for 12 July 2012: 12

13 July 2012

South Sudan: Panyai: ?: Collector Unknown: USNM: 9 [9 - **9** - **9**].

Total Specimens for 13 July 2012: 9

17 July 2012

South Africa: Stan Hope Mine: ?: Collector Unknown: DNSM: 11 [11 - **11** - **11**].

Total Specimens for 17 July 2012: 11

18 July 2012

South Africa: Port Edward: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

South Sudan: Yambio, Wildlife Office compound: ?: Collector Unknown: USNM: 10 [10 - **10** - **10**].

Total Specimens for 18 July 2012: 14

20 July 2012

South Sudan: Bangangai Game Reserve, Location 1: ?: Collector Unknown: USNM: 3 [3 - **3**] - Bangangai Game Reserve, Location 2: ?: Collector Unknown: USNM: 2 [2 - **2** - **5**].

Total Specimens for 20 July 2012: 5

21 July 2012

South Sudan: Bangangai Game Reserve, base camp: ?: Collector Unknown: USNM: 3 [3 - **3**] - Bangangai Game Reserve, location 1: Reeder, DeeAnn M.: USNM: 6 [6 - **6**] - Bangangai Game Reserve, location 2: ?: Collector Unknown: USNM: 1 [1 - **1** - **10**].

Total Specimens for 21 July 2012: 10

22 July 2012

South Sudan: Bangangai Game Reserve, base camp: ?: Collector Unknown: USNM: 2 [2 - **2**] - Bangangai Game Reserve, location 4: ?: Collector Unknown: USNM: 6 [6 - **6** - **8**].

Total Specimens for 22 July 2012: 8

23 July 2012

South Sudan: Bangangai Game Reserve, location 4: ?: Collector Unknown: USNM: 3 [3 - **3** - **3**].

Total Specimens for 23 July 2012: 3

24 July 2012

South Sudan: Bangangai Game Reserve, location 5: ?: Collector Unknown: USNM: 9 [9 - **9** - **9**].

Total Specimens for 24 July 2012: 9

25 July 2012

Mali: Falea: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
South Sudan: Bangangai Game Reserve, location 6: ?: Collector Unknown: USNM: 6 [6]; Reeder, DeeAnn M.: USNM: 2 [2 - **8** - **8**].

Total Specimens for 25 July 2012: 9

26 July 2012

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: RMCA: 1 [1 - **1** - **1**].
Mali: Falea: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
South Sudan: Bangangai Game Reserve, location 6: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Total Specimens for 26 July 2012: 5

27 July 2012

South Sudan: Bangangai Game Reserve, location 1: ?: Collector Unknown: USNM: 6 [6 - **6** - **6**].

Total Specimens for 27 July 2012: 6

28 July 2012

South Sudan: Yambio, FFI: ?: Collector Unknown: USNM: 8 [8 - **8** - **8**].

Total Specimens for 28 July 2012: 8

29 July 2012

Congo: Lekoumou, airport road: Hayes, Benjamin: HZM: 8 [8 - **8** - **8**].
South Sudan: Yambio, FFI: ?: Collector Unknown: USNM: 10 [10 - **10** - **10**].

Total Specimens for 29 July 2012: 18

30 July 2012

Congo: Lekoumou, Lebayi cave: Hayes, Benjamin: HZM: 6 [6 - **6** - **6**].
South Sudan: Yambio, Wildlife Office compound: ?: Collector Unknown: USNM: 4 [4 - **4** - **4**].

Total Specimens for 30 July 2012: 10

1 August 2012

Congo: Lekoumou, airport: Hayes, Benjamin: HZM: 1 [1 - **1** - **1**].

Total Specimens for 1 August 2012: 1

3 August 2012

Congo: Lekoumou, Lebayi cave: Hayes, Benjamin: HZM: 3 [3 - **3** - **3**].

Total Specimens for 3 August 2012: 3

4 August 2012

Congo: Lekoumou, Forest trails: Hayes, Benjamin: HZM: 3 [3 - **3**] - Lekoumou, Waterfall forest: Hayes, Benjamin: HZM: 1 [1 - **1** - **4**].

Total Specimens for 4 August 2012: 4

6 August 2012

South Africa: Farm Welgevonden 449: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 6 August 2012: 1

7 August 2012

Congo: Lekoumou, Forest corridor: Hayes, Benjamin: HZM: 2 [2 - **2** - **2**].

Total Specimens for 7 August 2012: 2

15 August 2012

Congo (Democratic Republic of the): Uma: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 7 [7 - **7** - **7**].

Total Specimens for 15 August 2012: 7

16 August 2012

Congo (Democratic Republic of the): Uma: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 2 [2]; Musaba Akawa, Prescott: RMCA: 6 [6 - **8** - **8**].

Total Specimens for 16 August 2012: 8

17 August 2012

Congo (Democratic Republic of the): Uma: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 3 [3]; Musaba Akawa, Prescott: RMCA: 1 [1 - **4** - **4**].

Total Specimens for 17 August 2012: 4

18 August 2012

Congo (Democratic Republic of the): Uma: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 2 [2]; Musaba Akawa, Prescott: RMCA: 2 [2 - **4** - **4**].

Total Specimens for 18 August 2012: 4

23 August 2012

Congo (Democratic Republic of the): Unknown locality: Musaba Akawa, Prescott: RMCA: 2 [2 - **2** - **2**].

Total Specimens for 23 August 2012: 2

1 September 2012

Madagascar: Anjohibe Cave: ?: Collector Unknown: UADBA: 1 [1 - **1**] - Grotte d'Andrafiabe, forêt près: ?: Collector Unknown: FMNH: 2, UADBA: 3 [5 - **5** - **6**].

Total Specimens for 1 September 2012: 6

4 September 2012

Congo (Democratic Republic of the): Yoko: Musaba Akawa, Prescott: RMCA: 6 [6]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 7 [7 - **13** - **13**].

Total Specimens for 4 September 2012: 13

5 September 2012

Congo (Democratic Republic of the): Yoko: Musaba Akawa, Prescott: RMCA: 2 [2]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 9 [9 - **11** - **11**].

Total Specimens for 5 September 2012: 11

6 September 2012

Congo (Democratic Republic of the): Yoko: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 6 September 2012: 1

7 September 2012

Congo (Democratic Republic of the): Kisangani: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - Yoko: Musaba Akawa, Prescott: RMCA: 3 [3]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 3 [3 - **6** - **7**].

Total Specimens for 7 September 2012: 7

9 October 2012

South Africa: Pietermaritzburg: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 9 October 2012: 1

16 October 2012

South Africa: Stan Hope Mine: ?: Collector Unknown: DNSM: 14 [14 - **14** - **14**].

Total Specimens for 16 October 2012: 14

1 November 2012

Ethiopia: Aksum: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Mali: Falea: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 1 November 2012: 6

2 November 2012

Congo: Pointe-Noire: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Total Specimens for 2 November 2012: 1

5 November 2012

Ethiopia: Simien National Park: Benda, Petr: NMP: 1 [1 - **1** - **1**].

Total Specimens for 5 November 2012: 1

7 November 2012

Ethiopia: Megbiya Ber: Benda, Petr: NMP: 6 [6 - **6** - **6**].

Total Specimens for 7 November 2012: 6

8 November 2012

Ethiopia: Megenagne: Benda, Petr: NMP: 2 [2 - **2** - **2**].

Total Specimens for 8 November 2012: 2

9 November 2012

Ethiopia: Mehadid: Benda, Petr: NMP: 10 [10 - **10** - **10**].

Total Specimens for 9 November 2012: 10

12 November 2012

Ethiopia: Dangola Washa Caves: Benda, Petr: NMP: 3 [3 - **3** - **3**].

Total Specimens for 12 November 2012: 3

26 November 2012

Ethiopia: Bonga, 15 km E: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Mauritius: Cascavelle: ?: Collector Unknown: FMNH: 12 [12 - **12**] - Petite Case Royale: ?: Collector Unknown: FMNH: 6 [6 - **6** - **18**].

Total Specimens for 26 November 2012: 19

27 November 2012

Mauritius: Petite Case Royale: ?: Collector Unknown: FMNH: 4 [4 - **4**] - Riche en Eau: ?: Collector Unknown: FMNH: 2 [2 - **2** - **6**].

Total Specimens for 27 November 2012: 6

28 November 2012

Mauritius: Fayence Mountain: ?: Collector Unknown: FMNH: 17 [17 - **17** - **17**].

Total Specimens for 28 November 2012: 17

29 November 2012

Mauritius: Cascavelle: ?: Collector Unknown: FMNH: 6 [6 - **6** - **6**].

Total Specimens for 29 November 2012: 6

7 December 2012

Cameroon: Leplikoung: Bakwo Fils, Eric Moise: GV: 2 [2 - **2** - **2**].

Total Specimens for 7 December 2012: 2

22 December 2012

South Africa: Rietfontein Farm 536 KQ: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 December 2012: 1

1 January 2013

Madagascar: Unknown locality: ?: Collector Unknown: FMNH: 2 [2]; Goodman, Steven M.: UADBA: 2 [2 - **4**] - Ambohibeloma: ?: Collector Unknown: FMNH: 2, UADBA: 8 [10 - **10**] - Anadsibe: ?: Collector Unknown: FMNH: 12, UADBA: 5 [17 - **17**] - Ihosy: ?: Collector Unknown: FMNH: 3, UADBA: 8 [11]; Goodman, Steven M.: UADBA: 1 [1 - **12**] - Vohiposa: ?: Collector Unknown: FMNH: 8, UADBA: 5 [13 - **13** - **56**].
Réunion: Eglise de Bras-Panon: ?: Collector Unknown: FMNH: 21 [21 - **21**] - Grotte de Trois Bassin: ?: Collector Unknown: UADBA: 19 [19 - **19** - **40**].

Total Specimens for 1 January 2013: 96

10 January 2013

South Africa: New Germany: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 10 January 2013: 1

15 January 2013

South Africa: Louis Trichardt: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 15 January 2013: 1

19 January 2013

South Africa: Farm Randstephne 455KQ: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 19 January 2013: 1

4 February 2013

Congo (Democratic Republic of the): Obenge: Musaba Akawa, Prescott; Malekani, André: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 4 February 2013: 1

5 February 2013

Congo (Democratic Republic of the): Obenge: Musaba Akawa, Prescott; Malekani, André: UNIKIS: 13 [13 - **13** - **13**].

Total Specimens for 5 February 2013: 13

6 February 2013

Congo (Democratic Republic of the): Obenge: Musaba Akawa, Prescott; Malekani, André: UNIKIS: 7 [7 - **7** - **7**].

Total Specimens for 6 February 2013: 7

7 February 2013

Congo (Democratic Republic of the): Obenge: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 1 [1]; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 21 [21 - **22** - **22**].

Total Specimens for 7 February 2013: 22

8 February 2013

Congo (Democratic Republic of the): Obenge: Musaba Akawa, Prescott; Malekani, André: UNIKIS: 7 [7 - **7** - **7**].

Total Specimens for 8 February 2013: 7

16 February 2013

Congo (Democratic Republic of the): Zookis: Musaba Akawa, Prescott; Malekani, André: UNIKIS: 6 [6 - **6** - **6**].

Total Specimens for 16 February 2013: 6

4 March 2013

Uganda: Ngogo: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 4 March 2013: 1

6 March 2013

Uganda: Ngogo: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 March 2013: 1

9 March 2013

Uganda: Ngogo: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 9 March 2013: 1

10 March 2013

Uganda: Ngogo: ?: Collector Unknown: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 10 March 2013: 4

11 March 2013

Uganda: Ngogo: ?: Collector Unknown: FMNH: 8 [8 - **8** - **8**].

Total Specimens for 11 March 2013: 8

12 March 2013

Uganda: Ngogo: ?: Collector Unknown: FMNH: 26 [26 - **26** - **26**].

Total Specimens for 12 March 2013: 26

16 March 2013

Uganda: Mainaro: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 16 March 2013: 2

17 March 2013

Uganda: Mainaro: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 17 March 2013: 2

18 March 2013

Uganda: Mainaro: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 18 March 2013: 2

19 March 2013

Uganda: Mainaro: ?: Collector Unknown: FMNH: 15 [15 - **15** - **15**].

Total Specimens for 19 March 2013: 15

20 March 2013

Uganda: Mainaro: ?: Collector Unknown: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 20 March 2013: 10

21 March 2013

Uganda: Mainaro: ?: Collector Unknown: FMNH: 10 [10 - **10** - **10**].

Total Specimens for 21 March 2013: 10

22 March 2013

Uganda: Mainaro: ?: Collector Unknown: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 22 March 2013: 4

2 April 2013

Uganda: lake Kamuzuku 1: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 2 April 2013: 2

3 April 2013

Uganda: lake Kamuzuku 1: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 3 April 2013: 1

5 April 2013

Uganda: Lake Kamuzuku 2: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 5 April 2013: 1

6 April 2013

Uganda: Lake Kamuzuku 2: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 6 April 2013: 1

7 April 2013

Uganda: lake Kamuzuku 1: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Lake Kamuzuku 2: ?: Collector Unknown: FMNH: 1 [1 - **1** - **2**].

Total Specimens for 7 April 2013: 2

8 April 2013

Uganda: lake Kamuzuku 1: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Lake Kamuzuku 2: ?: Collector Unknown: FMNH: 3 [3 - **3** - **4**].

Total Specimens for 8 April 2013: 4

9 April 2013

South Africa: Farm Welgevonden: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Uganda: lake Kamuzuku 1: ?: Collector Unknown: FMNH: 1 [1 - **1**] - Lake Kamuzuku 2: ?: Collector Unknown: FMNH: 3 [3 - **3** - **4**].

Total Specimens for 9 April 2013: 5

10 April 2013

Uganda: lake Kamuzuku 1: ?: Collector Unknown: FMNH: 2 [2 - **2**] - Lake Kamuzuku 2: ?: Collector Unknown: FMNH: 2 [2 - **2** - **4**].

Total Specimens for 10 April 2013: 4

11 April 2013

Uganda: Lake Kamuzuku 2: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 11 April 2013: 1

18 April 2013

South Africa: Farm Welgevonden: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 18 April 2013: 1

21 April 2013

Mozambique: Gorge Rim, Site 1: Guyton, Jennifer Anna: TM: 1 [1 - **1** - **1**].

Total Specimens for 21 April 2013: 1

24 April 2013

South Africa: Farm Welgevonden: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 April 2013: 1

26 April 2013

Angola: Chett Angolan border, 13 km N: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 26 April 2013: 1

2 May 2013

South Africa: Musgrave: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 2 May 2013: 1

19 May 2013

South Sudan: Bangangai Game Reserve, location 6: ?: Collector Unknown: USNM: 8 [8 - **8** - **8**].

Total Specimens for 19 May 2013: 8

20 May 2013

South Sudan: Bangangai Game Reserve, location 6: ?: Collector Unknown: USNM: 10 [10 - **10** - **10**].

Total Specimens for 20 May 2013: 10

21 May 2013

South Sudan: Bangangai Game Reserve, location 6: ?: Collector Unknown: USNM: 7 [7 - **7** - **7**].

Total Specimens for 21 May 2013: 7

22 May 2013

South Sudan: Andari Payam, Bangangai Game Reserve, location 7: ?: Collector Unknown: USNM: 3 [3 - **3** - **3**].

Total Specimens for 22 May 2013: 3

23 May 2013

South Sudan: Andari Payam, Bangangai Game Reserve, location 7: Babiker Salata, Hassan Aburaida: USNM: 4 [4 - **4**] - Bangangai Game Reserve, location 6: ?: Collector Unknown: USNM: 6 [6 - **6** - **10**].

Total Specimens for 23 May 2013: 10

25 May 2013

South Sudan: Andari Payam, Bangangai Game Reserve, location 8: ?: Collector Unknown: USNM: 4 [4 - **4** - **4**].

Total Specimens for 25 May 2013: 4

26 May 2013

South Sudan: Andari Payam, Bangangai Game Reserve: ?: Collector Unknown: USNM: 4 [4 - **4** - **4**].

Total Specimens for 26 May 2013: 4

31 May 2013

South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: ?: Collector Unknown: USNM: 5 [5]; Babiker Salata, Hassan Aburaida: USNM: 6 [6 - **11**] - Central Payam, Bandala Boma, ca. 10 km W Sue River, W border Southern National Park), location 1: ?: Collector Unknown: USNM: 1 [1 - **1** - **12**].

Total Specimens for 31 May 2013: 12

1 June 2013

South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: ?: Collector Unknown: USNM: 7 [7]; Babiker Salata, Hassan Aburaida: USNM: 6 [6 - **13** - **13**].

Total Specimens for 1 June 2013: 13

2 June 2013

South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: ?: Collector Unknown: USNM: 5 [5]; Babiker Salata, Hassan Aburaida: USNM: 13 [13 - **18** - **18**].

Total Specimens for 2 June 2013: 18

4 June 2013

South Sudan: Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: ?: Collector Unknown: USNM: 34 [34 - **34** - **34**].

Total Specimens for 4 June 2013: 34

6 June 2013

South Sudan: Yambio, FFI: Langan, Esther M.: USNM: 1 [1 - **1** - **1**].

Total Specimens for 6 June 2013: 1

7 June 2013

South Sudan: Namaku Boma: Langan, Esther M.: USNM: 2 [2 - **2** - **2**].

Total Specimens for 7 June 2013: 2

23 June 2013

Congo (Democratic Republic of the): Quatorze: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 23 June 2013: 1

25 June 2013

Congo (Democratic Republic of the): Quatorze: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 25 June 2013: 3

27 June 2013

Congo (Democratic Republic of the): Boende: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4**] - Quatorze: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **6**].

Total Specimens for 27 June 2013: 6

28 June 2013

Congo (Democratic Republic of the): Quatorze: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 28 June 2013: 1

29 June 2013

Congo (Democratic Republic of the): Quatorze: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 29 June 2013: 4

30 June 2013

Congo (Democratic Republic of the): Quatorze: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 30 June 2013: 1

1 July 2013

Congo (Democratic Republic of the): Quatorze: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Total Specimens for 1 July 2013: 3

2 July 2013

Congo (Democratic Republic of the): Quatorze: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 2 July 2013: 1

4 July 2013

Congo (Democratic Republic of the): Boende: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 4 July 2013: 4

6 July 2013

Congo (Democratic Republic of the): Boende: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].

Total Specimens for 6 July 2013: 4

13 July 2013

Congo (Democratic Republic of the): Luki Biosphere Reserve: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Total Specimens for 13 July 2013: 2

1 August 2013

South Africa: Durban North: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 1 August 2013: 1

17 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 19 [19 - **19** - **19**].

Total Specimens for 17 August 2013: 19

18 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 5 [5 - **5** - **5**].

Total Specimens for 18 August 2013: 5

19 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 11 [11 - **11** - **11**].

Total Specimens for 19 August 2013: 11

20 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 15 [15 - **15** - **15**].

Total Specimens for 20 August 2013: 15

21 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 2 [2 - **2** - **2**].

Total Specimens for 21 August 2013: 2

22 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 10 [10 - **10** - **10**].

Total Specimens for 22 August 2013: 10

23 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 9 [9 - **9** - **9**].

Total Specimens for 23 August 2013: 9

24 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 8 [8 - **8** - **8**].

Total Specimens for 24 August 2013: 8

25 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 5 [5 - **5** - **5**].

Total Specimens for 25 August 2013: 5

26 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 9 [9 - **9** - **9**].

Total Specimens for 26 August 2013: 9

27 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 6 [6 - **6** - **6**].

Total Specimens for 27 August 2013: 6

28 August 2013

Congo (Democratic Republic of the): Rubi-Tele: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 3 [3 - **3** - **3**].

Total Specimens for 28 August 2013: 3

22 September 2013

South Africa: Bluff Nature Reserve: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 September 2013: 1

5 December 2013

South Africa: Morningside: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 December 2013: 1

11 December 2013

Congo (Democratic Republic of the): Mbiye, island: ?: Collector Unknown: MNHN: 4 [4 - **4**] - Yoko: ?: Collector Unknown: MNHN: 1 [1 - **1** - **5**].

Total Specimens for 11 December 2013: 5

12 December 2013

South Africa: Musgrave: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 12 December 2013: 1

21 December 2013

South Africa: Rietfontein Farm 536 KQ: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Vellefontein 517 KQ: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Total Specimens for 21 December 2013: 2

24 December 2013

South Africa: Bluff: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 December 2013: 1

1 January 2014

Madagascar: Grotte des chauves-souris: ?: Collector Unknown: FMNH: 13 [13]; Goodman, Steven M.: UADBA: 1 [1 - **14** - **14**].
Réunion: Grotte de Trois Bassin: ?: Collector Unknown: FMNH: 7, MNHN: 26 [33 - **33** - **33**].
South Africa: Hartbeesfontein 603 KQ: ?: Collector Unknown: DNSM: 1 [1 - **1**] - Telperion Nature Reserve: ?: Collector Unknown: TM: 3 [3 - **3**] - Vellefontein 517 KQ: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].

Total Specimens for 1 January 2014: 52

30 January 2014

South Africa: Lajuma Research Center: Van Schalkwyk, Oldrich; Gaigher, Ian: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 30 January 2014: 1

1 April 2014

South Africa: Entumeni Nature Reserve: Richards, Leigh R.: DNSM: 2 [2 - **2** - **2**].

Total Specimens for 1 April 2014: 2

5 April 2014

Congo (Democratic Republic of the): Yoko: Musaba Akawa, Prescott: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 5 April 2014: 1

7 April 2014

Madagascar: Grotte des chauves-souris: Goodman, Steven M.; Ramasindrazana, Beza: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 7 April 2014: 1

10 April 2014

Congo (Democratic Republic of the): Uma: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 9 [9]; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 1 [1 - **10** - **10**].

Total Specimens for 10 April 2014: 10

11 April 2014

Congo (Democratic Republic of the): Uma: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 15 [15 - **15** - **15**].

Total Specimens for 11 April 2014: 15

12 April 2014

Congo (Democratic Republic of the): Uma: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 16 [16 - **16** - **16**].

Total Specimens for 12 April 2014: 16

13 April 2014

Congo (Democratic Republic of the): Uma: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 13 April 2014: 1

19 April 2014

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: UNIKIS: 1 [1]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 2 [2 - **3** - **3**].

Total Specimens for 19 April 2014: 3

20 April 2014

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: UNIKIS: 2 [2 - **2** - **2**].

Total Specimens for 20 April 2014: 2

21 April 2014

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott: UNIKIS: 1 [1]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 2 [2 - **3** - **3**].

Total Specimens for 21 April 2014: 3

2 May 2014

South Africa: Gamafefe: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 2 May 2014: 2

9 June 2014

Congo (Democratic Republic of the): Kisangani: Musaba Akawa, Prescott: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 9 June 2014: 1

22 June 2014

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 22 June 2014: 1

23 June 2014

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 4 [4 - **4** - **4**].

Total Specimens for 23 June 2014: 4

31 July 2014

Kenya: Water treatment site: Webala, Paul W.: MMU: 2 [2 - **2** - **2**].

Total Specimens for 31 July 2014: 2

1 August 2014

Kenya: Water treatment site: Webala, Paul W.: MMU: 1 [1 - **1** - **1**].

Total Specimens for 1 August 2014: 1

2 August 2014

Kenya: Kiboko Campsite: Webala, Paul W.: MMU: 10 [10 - **10** - **10**].

Total Specimens for 2 August 2014: 10

3 August 2014

Kenya: Kiboko Campsite: Webala, Paul W.: MMU: 8 [8 - **8** - **8**].

Total Specimens for 3 August 2014: 8

4 August 2014

Kenya: Kiboko Campsite: Webala, Paul W.: MMU: 5 [5 - **5** - **5**].

Total Specimens for 4 August 2014: 5

6 August 2014

Kenya: Ol Jogi Dam: Webala, Paul W.: MMU: 2 [2 - **2** - **2**].

Total Specimens for 6 August 2014: 2

7 August 2014

Kenya: Ol Jogi Dam: Webala, Paul W.: MMU: 3 [3 - **3** - **3**].

Total Specimens for 7 August 2014: 3

8 August 2014

Kenya: Pyramid Camp: Webala, Paul W.: MMU: 9 [9 - **9** - **9**].

Total Specimens for 8 August 2014: 9

11 August 2014

Kenya: Kariandusi mines: Webala, Paul W.: MMU: 31 [31 - **31**] - Mau Mau cave: Webala, Paul W.: MMU: 28 [28 - **28** - **59**].

Total Specimens for 11 August 2014: 59

12 August 2014

Kenya: Jaika cave: Webala, Paul W.: MMU: 13 [13 - **13**] - Pipeline cave: Webala, Paul W.: MMU: 20 [20 - **20** - **33**].

Total Specimens for 12 August 2014: 33

13 August 2014

Kenya: Diatomite mine: Webala, Paul W.: MMU: 32 [32 - **32** - **32**].

Total Specimens for 13 August 2014: 32

15 September 2014

Kenya: Kariandusi mines: Webala, Paul W.: MMU: 19 [19 - **19** - **19**].

Total Specimens for 15 September 2014: 19

16 September 2014

Kenya: Jaika cave: Webala, Paul W.: MMU: 24 [24 - **24**] - Pipeline cave: Webala, Paul W.: MMU: 10 [10 - **10** - **34**].

Total Specimens for 16 September 2014: 34

17 September 2014

Kenya: Diatomite mine: Webala, Paul W.: MMU: 16 [16 - **16** - **16**].

Total Specimens for 17 September 2014: 16

19 September 2014

Kenya: Colobus Circuit 1: Webala, Paul W.: MMU: 3 [3 - **3**] - Mungokho Village: Webala, Paul W.: MMU: 1 [1 - **1** - **4**].

Total Specimens for 19 September 2014: 4

20 September 2014

Kenya: Lirhanda Cave: Webala, Paul W.: MMU: 1 [1 - **1** - **1**].

Total Specimens for 20 September 2014: 1

21 September 2014

Kenya: Salazar Trail: Webala, Paul W.: MMU: 4 [4 - **4** - **4**].

Total Specimens for 21 September 2014: 4

22 September 2014

Kenya: Ikhondo Camp: Webala, Paul W.: MMU: 1 [1 - **1**] - Salazar Trail: Webala, Paul W.: MMU: 1 [1 - **1** - **2**].

Total Specimens for 22 September 2014: 2

24 September 2014

Kenya: Mukangu Village: Webala, Paul W.: MMU: 7 [7 - **7** - **7**].

Total Specimens for 24 September 2014: 7

25 September 2014

Kenya: Mahiakalo Cave: Webala, Paul W.: MMU: 26 [26 - **26** - **26**].

Total Specimens for 25 September 2014: 26

26 September 2014

Kenya: Lirhanda Cave: Webala, Paul W.: MMU: 17 [17 - **17** - **17**].

Total Specimens for 26 September 2014: 17

28 September 2014

Kenya: Kit Mikayi: Webala, Paul W.: MMU: 8 [8 - **8**] - State Loge Campsite: Webala, Paul W.: MMU: 8 [8 - **8** - **16**].

Total Specimens for 28 September 2014: 16

29 September 2014

Kenya: State Loge Campsite: Webala, Paul W.: MMU: 3 [3 - **3** - **3**].

Total Specimens for 29 September 2014: 3

30 September 2014

Kenya: State Loge Campsite: Webala, Paul W.: MMU: 3 [3 - **3** - **3**].

Total Specimens for 30 September 2014: 3

1 October 2014

Kenya: State Loge Campsite: Webala, Paul W.: MMU: 4 [4 - **4** - **4**].
Madagascar: Ambohitantely: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Total Specimens for 1 October 2014: 5

16 October 2014

South Africa: Eastern Cape province: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 October 2014: 1

1 November 2014

Madagascar: Anjohibe cave: ?: Collector Unknown: FMNH: 16, UADBA: 14 [30 - **30** - **30**].

Total Specimens for 1 November 2014: 30

21 December 2014

Madeira (Portugal): Funchal: ?: Collector Unknown: MMF: 1 [1 - **1** - **1**].

Total Specimens for 21 December 2014: 1

1 January 2015

Madagascar: Unknown locality: ?: Collector Unknown: UADBA: 1 [1 - **1** - **1**].
Réunion: Grotte de Trois Bassin: ?: Collector Unknown: MNHN: 38, UADBA: 10 [48 - **48** - **48**].
South Sudan: Mogiri, Reeder Family Compound: ?: Collector Unknown: USNM: 10 [10 - **10** - **10**].

Total Specimens for 1 January 2015: 59

2 January 2015

South Sudan: Mundari Civil Hospital: ?: Collector Unknown: USNM: 6 [6 - **6** - **6**].

Total Specimens for 2 January 2015: 6

3 January 2015

South Sudan: Kabi stream: ?: Collector Unknown: USNM: 46 [46 - **46** - **46**].

Total Specimens for 3 January 2015: 46

4 January 2015

South Sudan: Mundari Civil Hospital: ?: Collector Unknown: USNM: 6 [6 - **6** - **6**].

Total Specimens for 4 January 2015: 6

5 January 2015

South Sudan: Kajo-Keji County Health Department Headquarters: ?: Collector Unknown: USNM: 6 [6 - **6** - **6**].

Total Specimens for 5 January 2015: 6

6 January 2015

South Sudan: Gwortapeng Village: ?: Collector Unknown: USNM: 5 [5 - **5** - **5**].

Total Specimens for 6 January 2015: 5

8 January 2015

South Sudan: Kombi stream, behind Reeder compound: Ejotre, Imran: USNM: 6 [6 - **6** - **6**].

Total Specimens for 8 January 2015: 6

9 January 2015

South Sudan: Kangapo One Payam: Ejotre, Imran: USNM: 9 [9 - **9** - **9**].

Total Specimens for 9 January 2015: 9

10 January 2015

South Sudan: Kangapo Two Payam: Ejotre, Imran: USNM: 19 [19 - **19** - **19**].

Total Specimens for 10 January 2015: 19

11 January 2015

South Sudan: Lorini stream: Ejotre, Imran: USNM: 3 [3 - **3** - **3**].

Total Specimens for 11 January 2015: 3

12 January 2015

South Sudan: Kijiri Village: Ejotre, Imran: USNM: 8 [8 - **8** - **8**].

Total Specimens for 12 January 2015: 8

13 January 2015

South Sudan: Kombi stream, behind Reeder compound: Ejotre, Imran: USNM: 4 [4 - **4** - **4**].

Total Specimens for 13 January 2015: 4

24 January 2015

South Africa: Farm Leeudraai 221JR: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Total Specimens for 24 January 2015: 3

5 February 2015

South Africa: Farm Welgevonden 969: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 5 February 2015: 1

26 February 2015

South Africa: Farm Randstephne 455KQ: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 26 February 2015: 1

28 February 2015

South Africa: Jonker Trust Farm: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Total Specimens for 28 February 2015: 1

3 March 2015

South Africa: Jonker Trust Farm: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 3 March 2015: 2

16 March 2015

South Africa: Eastern Cape province: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 16 March 2015: 1

20 April 2015

South Africa: Farm Wakefield 2369: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Total Specimens for 20 April 2015: 2

24 April 2015

Mozambique: Bunga Inselberg: Guyton, Jennifer Anna: DNSM: 5 [5 - **5** - **5**].

Total Specimens for 24 April 2015: 5

25 April 2015

Mozambique: Bunga Inselberg: Guyton, Jennifer Anna: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 25 April 2015: 1

2 May 2015

Mozambique: Bunga Inselberg: Guyton, Jennifer Anna: DNSM: 1 [1 - **1**] - Chihalatan cave: Goodman, Steven M.; Schoeman, M. Corrie; Le Minter, Gildas: FMNH: 6 [6 - **6**] - Malashane cave: Goodman, Steven M.; Schoeman, M. Corrie; Le Minter, Gildas: FMNH: 23 [23 - **23** - **30**].

Total Specimens for 2 May 2015: 30

6 May 2015

Congo (Democratic Republic of the): Luvungi: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 21 [21 - **21** - **21**].

Total Specimens for 6 May 2015: 21

7 May 2015

Congo (Democratic Republic of the): Luvungi: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 24 [24 - **24** - **24**].

Total Specimens for 7 May 2015: 24

13 May 2015

Congo (Democratic Republic of the): Sange: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 8 [8 - **8** - **8**].

Total Specimens for 13 May 2015: 8

14 May 2015

Congo (Democratic Republic of the): Sange: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 9 [9 - **9** - **9**].

Total Specimens for 14 May 2015: 9

15 May 2015

Congo (Democratic Republic of the): Sange: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 11 [11 - **11** - **11**].

Total Specimens for 15 May 2015: 11

16 May 2015

Ghana: Krokosua Hills Forest Reserve: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].

Total Specimens for 16 May 2015: 1

17 May 2015

Congo (Democratic Republic of the): Luvungi: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 17 May 2015: 1

10 June 2015

Congo (Democratic Republic of the): Masako: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 3 [3 - **3** - **3**].

Total Specimens for 10 June 2015: 3

11 June 2015

Congo (Democratic Republic of the): Masako: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 11 June 2015: 1

12 June 2015

Congo (Democratic Republic of the): Masako: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 2 [2 - **2** - **2**].

Total Specimens for 12 June 2015: 2

13 June 2015

Congo (Democratic Republic of the): Masako: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 9 [9 - **9** - **9**].

Total Specimens for 13 June 2015: 9

21 June 2015

Congo (Democratic Republic of the): Aketi: Vlir/Aketi: UNIKIS: 3 [3 - **3** - **3**].

Total Specimens for 21 June 2015: 3

22 June 2015

Congo (Democratic Republic of the): Aketi: Vlir/Aketi: UNIKIS: 5 [5 - **5** - **5**].

Total Specimens for 22 June 2015: 5

23 June 2015

Congo (Democratic Republic of the): Aketi: Vlir/Aketi: UNIKIS: 7 [7 - **7** - **7**].
South Africa: Eastern Cape province: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 23 June 2015: 8

24 June 2015

South Africa: Eastern Cape province: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 24 June 2015: 1

25 June 2015

Congo (Democratic Republic of the): Aketi: Vlir/Aketi: UNIKIS: 3 [3 - **3** - **3**].

Total Specimens for 25 June 2015: 3

26 June 2015

Congo (Democratic Republic of the): Aketi: Vlir/Aketi: UNIKIS: 3 [3 - **3** - **3**].

Total Specimens for 26 June 2015: 3

27 June 2015

Congo (Democratic Republic of the): Aketi: Vlir/Aketi: UNIKIS: 1 [1 - **1**] - Kikwit: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 11 [11 - **11** - **12**].

Total Specimens for 27 June 2015: 12

28 June 2015

Congo (Democratic Republic of the): Kikwit: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 2 [2 - **2** - **2**].
South Africa: Eastern Cape province: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 28 June 2015: 3

29 June 2015

Congo (Democratic Republic of the): Kikwit: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 8 [8 - **8** - **8**].
South Africa: Eastern Cape province: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 29 June 2015: 9

1 July 2015

Mozambique: Cheringoma plateau: Guyton, Jennifer Anna: TM: 2 [2 - **2**] - Chitengo Camp: Guyton, Jennifer Anna: TM: 2 [2 - **2**] - Gorongosa National Park: Monadjem, Ara; Le Minter, Gildas; Lagadec, Erwan: DNSM: 12 [12 - **12** - **16**].

Total Specimens for 1 July 2015: 16

21 July 2015

Mozambique: Gorongosa National Park: Guyton, Jennifer Anna: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 21 July 2015: 1

22 July 2015

Mozambique: Bunga Inselberg: Guyton, Jennifer Anna: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 22 July 2015: 1

7 August 2015

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 7 August 2015: 1

8 August 2015

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 6 [6 - **6** - **6**].

Total Specimens for 8 August 2015: 6

9 August 2015

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 3 [3 - **3** - **3**].

Total Specimens for 9 August 2015: 3

10 August 2015

Congo (Democratic Republic of the): Université de Kisangani, Faculté des Sciences: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 10 August 2015: 1

11 August 2015

Congo (Democratic Republic of the): Université de Kisangani, Faculté des Sciences: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 4 [4 - **4** - **4**].

Total Specimens for 11 August 2015: 4

25 August 2015

Congo (Democratic Republic of the): Epulu: Malekani, André: UNIKIS: 5 [5 - **5** - **5**].

Total Specimens for 25 August 2015: 5

26 August 2015

Congo (Democratic Republic of the): Aketi: Vlir/Aketi: UNIKIS: 1 [1 - **1**] - Epulu: Malekani, André: UNIKIS: 7 [7 - **7** - **8**].

Total Specimens for 26 August 2015: 8

27 August 2015

Congo (Democratic Republic of the): Epulu: Malekani, André: UNIKIS: 4 [4 - **4** - **4**].

Total Specimens for 27 August 2015: 4

29 August 2015

Congo (Democratic Republic of the): Epulu: Malekani, André: UNIKIS: 19 [19 - **19** - **19**].

Total Specimens for 29 August 2015: 19

30 August 2015

Congo (Democratic Republic of the): Epulu: Malekani, André: UNIKIS: 10 [10 - **10** - **10**].

Total Specimens for 30 August 2015: 10

31 August 2015

Congo (Democratic Republic of the): Epulu: Malekani, André: UNIKIS: 8 [8 - **8** - **8**].

Total Specimens for 31 August 2015: 8

20 October 2015

Congo (Democratic Republic of the): Rethy: Laudisoit, Anne; *et al.*: UNIKIS: 2 [2 - **2** - **2**].

Total Specimens for 20 October 2015: 2

22 October 2015

Congo (Democratic Republic of the): Rethy: Laudisoit, Anne; *et al.*: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 22 October 2015: 1

23 October 2015

Congo (Democratic Republic of the): Rethy: Laudisoit, Anne; *et al.*: UNIKIS: 5 [5 - **5** - **5**].

Total Specimens for 23 October 2015: 5

5 November 2015

Mozambique: Gorongosa National Park: Guyton, Jennifer Anna: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 5 November 2015: 1

24 December 2015

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1**] - Zookis: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 12 [12 - **12** - **13**].

Total Specimens for 24 December 2015: 13

25 December 2015

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 4 [4 - **4** - **4**].

Total Specimens for 25 December 2015: 4

26 December 2015

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1** - **1**].

Total Specimens for 26 December 2015: 1

28 December 2015

Congo (Democratic Republic of the): île Mbiye: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 2 [2 - **2** - **2**].

Total Specimens for 28 December 2015: 2

8 January 2016

Congo (Democratic Republic of the): Île Mafi: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1**] - île Mbiye: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 3 [3 - **3** - **4**].

Total Specimens for 8 January 2016: 4

7 April 2016

South Africa: Sandile's Rest Trout and Forest Country Estate: Richards, Leigh R.: DNSM: 1 [1 - **1** - **1**].

Total Specimens for 7 April 2016: 1

Grand total: 129845

Appendix 4c: Per Country and Locality

For this appendix, the data are sorted per country and locality, date and collector.

The underlined numbers indicate the number of specimens for the given date. The **bold numbers** represent the number of specimens for the collector and the **bold and underlined numbers** the totals for the specific locality.

"Africa"

Unknown locality: Collection Date Unknown: AMS: 13, BMNH: 15, CM: 7, DNSM: 1, FMNH: 2, HNHM: 1, HZM: 23, KM: 6, MCZ: 3, MHNC: 1, MMK: 54, MNHN: 238, MZUSP: 7, NHMZ: 42, NMB: 2, NMK: 1, ORSTOM: 10, RBINS: 2, RMCA: 24, RMNH: 4, ROM: 1, SAMC: 22, SMF: 8, SMG: 24, TM: 196, UADBA: 1, UCT: 1, UNSW: 1, USNM: 18, YPM: 10, ZFMK: 1, ZMA: 65, ZMB: 11, ZMUC: 15 [830]; : AMNH: 1, NMBE: 6, SMW: 1 [8]; Alexander-Gosling Expedition, The: BMNH: 7 [7]; Ansell, William Frank Harding: BMNH: 1 [1]; Babault, Guy: MNHN: 5 [5]; Bates, George Latimer: MCZ: 1 [1]; Brewster, W.: MCZ: 1 [1]; Christy, Cuthbert: RMCA: 1 [1]; Earl, P.: RBINS: 1 [1]; Ernst, C.H.: NCSM: 1 [1]; Galton, Francis: BMNH: 1 [1]; Gierra, M.C.: MNHN: 1 [1]; Heim de Balsac, Henri: MNHN: 1 [1]; Humblot, Léon: MNHN: 1 [1]; Kimbembi-ma-Ibaka, A.: ZMA: 4 [4]; Lukamba, P.: ZMA: 4 [4]; Mpumalanga Parks Board, The: TM: 4 [4]; Neumann: ZMB: 4 [4]; Pel, H.S.: RMNH: 1 [1]; Pilette, André: RMCA: 1 [1]; Rüppell, Wilhem Peter Edward Simon: RMNH: 1 [1]; Shortridge, Guy Chester: BMNH: 2 [2]; Siépi, Paul: MNHN: 1 [1]; Talloen: RMCA: 1 [1]; Tomes Collection, The: BMNH: 2 [2]; Umlauff Museum (Hamburg), The: ZMA: 1 [1]; Van Barneveld, H.W.P.: RMNH: 1 [1]; Vissault, Jacques: ZMA: 1 [1]; Ward, Henry Augustus: MCZ: 1 [1]; Zoological Garden Antwerp: RMCA: 1 [1 - **890**] - 23 July 1906: ?: Collector Unknown: MCZ: 1 [1 - **1**] - 1 January 1908: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 January 1911: ?: Collector Unknown: ZMA: 1 [1 - **1**] - 23 November 1911: Scott: BMNH: 1 [1 - **1**] - 1 August 1931: Heim de Balsac, Henri: MNHN: 2 [2 - **2**] - 27 September 1935: Espie, Ian W.: KU: 1 [1 - **1**] - 7 October 1940: Roberts, Austin: NHMZ: 1 [1 - **1**] - 11 September 1949: Harrison, David Lakin: HZM: 1 [1 - **1**] - 29 December 1949: Felten, Heinz: ZMA: 1 [1 - **1**] - 20 June 1950: Harrison, David Lakin: HZM: 2 [2 - **2**] - 23 June 1950: Harrison, David Lakin: HZM: 1 [1 - **1**] - 24 October 1952: ?: Collector Unknown: MHNG: 1 [1 - **1**] - 11 July 1956: Novick, Alvin: MCZ: 2 [2 - **2**] - 30 May 1964: ORSTOM: ZMA: 1 [1 - **1**] - 16 December 1965: ?: Collector Unknown: ZMA: 1 [1 - **1**] - 22 February 1967: ?: Collector Unknown: AMS: 1 [1 - **1**] - 1 January 1970: ?: Collector Unknown: CUMV: 1 [1 - **1**] - 8 February 1972: Kingdon, Jonathan: HZM: 1 [1 - **1**] - 8 December 1972: Clarke, J.: SAMC: 1 [1 - **1**] - 20 March 1976: Espie, Ian W.: KU: 1 [1 - **1**] - 1 May 1976: Espie, Ian W.: KU: 3 [3 - **3**] - 8 May 1976: Espie, Ian W.: KU: 1 [1 - **1**] - 13 June 1976: Espie, Ian W.: KU: 2 [2 - **2**] - 20 June 1976: Espie, Ian W.: KU: 1 [1 - **1**] - 18 July 1976: Espie, Ian W.: KU: 1 [1 - **1**] - 21 July 1976: Espie, Ian W.: KU: 1 [1 - **1**] - 27 August 1982: Wolhuter, David A.; Cassidy, R.J.: NHMZ: 1 [1 - **1**] - 17 December 1984: ?: Collector Unknown: ZMA: 1 [1 - **1**] - 1 January 1985: ?: Collector Unknown: ZMA: 1 [1 - **1**] - 2 October 1991: Zoological Garden Antwerp: RMCA: 1 [1 - **1**] - 6 February 1992: Zoological Garden Antwerp: RMCA: 1 [1 - **1**] - 12 October 1992: Zoological Garden Antwerp: RMCA: 1 [1 - **1**] - 1 January 1995: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 2 February 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 February 2000: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **932**].

"Congo": Collection Date Unknown: ?: Collector Unknown: MIZT: 1 [1]; Thellon, M.: MNHN: 2 [2 - **3** - **3**].

"Liberia ??": 1 January 1875: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].

"Lobito Voay": Collection Date Unknown: Chapman, Jan: SAMC: 1 [1 - **1** - **1**].

"Senegal or Mauritania": Collection Date Unknown: Institut Pasteur Dakar, l': MNHN: 15 [15 - **15** - **15**].

Africa: Collection Date Unknown: de Selys-Longschamps, Edmond: RBINS: 1 [1 - **1**] - 1 May 1909: ?: Collector Unknown: MZUF: 1 [1 - **1** - **2**].

Angasilha [=?Angaziga]: Collection Date Unknown: von der Decken, Karl Klaus: ZMB: 2 [2 - **2** - **2**].

Aoule: 3 July 1952: Paling van Veen, W.: ZMA: 1 [1 - **1** - **1**].

Baruma: 1 January 1914: Rosenberg, G.: ZFMK: 1 [1 - **1** - **1**].

Bélinga or Lamto: 30 May 1964: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Bengale: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

between Lakes Zwai and Margherita,Walamo: 21 February 1900: Harrison, J.J.: BMNH: 1 [1 - **1** - **1**].

Biala-Fouanga cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Bornili an the Amwini river: Collection Date Unknown: Schubolz, H.: ZMB: 2 [2 - **2** - **2**].

but almost certainly from Kashmir or N India: Collection Date Unknown: Gerard, E.: BMNH: 1 [1 - **1** - **1**].

but more probably from Kashmir: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Caffraria?: Collection Date Unknown: Wahlberg, Johan August: ZMB: 1 [1 - **1** - **1**].

Central Africa: Collection Date Unknown: ?: Collector Unknown: NMBE: 7 [7 - **7** - **7**].

Chad, lake: 7 January 1909: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Chifumbaze: Collection Date Unknown: Tiessler: ZMB: 3 [3 - **3** - **3**].

Congo: Collection Date Unknown: ?: Collector Unknown: BMNH: 11 [11 - **11** - **11**].

Cretschna: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Daba: Collection Date Unknown: von Erlanger, C.: ZMB: 2 [2 - **2** - **2**].

Dakoro, 10 km W: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Daroli: Collection Date Unknown: von Erlanger, C.: ZMB: 1 [1 - **1** - **1**].

Dipker Island: 16 February 1968: Jones, Clyde: MSB: 2 [2 - **2** - **2**].

Dume: Collection Date Unknown: Freyer: ZMB: 1 [1]; Schipper: ZMB: 1 [1 - **2** - **2**].

East Africa: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; Loveridge, Arthur: BMNH: 1 [1 - **3** - **3**].

East coast of Africa: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Eastern Africa: Collection Date Unknown: ?: Collector Unknown: NMW: 1 [1]; Glauning: ZMB: 1 [1]; Neumann: ZMB: 1 [1]; von der Decken, Karl Klaus: ZMB: 1 [1 - **4** - **4**].

Engeremgere: Collection Date Unknown: Emin Pascha / Pasha / Bey: ZMB: 2 [2 - **2** - **2**].

Epoulan: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Galpa river: Collection Date Unknown: Neumann: ZMB: 1 [1 - **1** - **1**].
Gambi Kayes: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Goho Hills: 15 July 1930: Lang, Herbert; Vernay Expedition, The: TM: 1 [1 - **1** - **1**].
Great lakes area, East Africa: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3]; For, M.: MNHN: 1 [1 - **4** - **4**].
Igo Island: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Isavo swamp: Collection Date Unknown: Praed: BMNH: 1 [1 - **1** - **1**].
Itimaire River: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Jala plains: 23 November 1911: ?: Collector Unknown: BMNH: 1 [1]; Scott: BMNH: 2 [2 - **3** - **3**].
Jub: Collection Date Unknown: von Erlanger, C.: ZMB: 1 [1 - **1** - **1**].
Karagwa: Collection Date Unknown: Grauer, Rudolf: ZMB: 6 [6 - **6** - **6**].
Kesine: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Kester, Kosterfontein: 21 October 1924: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Kha Principé: Collection Date Unknown: Dohrn, Felix Anton: ZMB: 1 [1 - **1** - **1**].
Kimpoko: Collection Date Unknown: Büttner: ZMB: 1 [1 - **1** - **1**].
Kirimba: Collection Date Unknown: Stuhlmann, Franz Ludwig: ZMB: 1 [1 - **1** - **1**].
Kubondo: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Kubub: Collection Date Unknown: Schultze: ZMB: 1 [1 - **1** - **1**].
Kwa Kitoto and Mengo: Collection Date Unknown: Neumann: ZMB: 1 [1 - **1** - **1**].
Lealné district: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Mafouta: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Mafouta village: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Mahi Adar des Ifothas: 18 December 1965: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].
Maldachi: Collection Date Unknown: Fischer: ZMB: 1 [1 - **1** - **1**].
Malingwe Pan: 10 December 1966: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].
Musa: Collection Date Unknown: Plate: ZMB: 1 [1 - **1** - **1**].
Napa-ire: Collection Date Unknown: Mischlich: ZMB: 1 [1 - **1** - **1**].
Niamniam: Collection Date Unknown: Bohndorff: ZMB: 1 [1 - **1** - **1**].
Niary or Niasy cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Nieri river: Collection Date Unknown: Roberts, Austin: BMNH: 1 [1 - **1** - **1**].
Nile River, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
North Africa: Collection Date Unknown: : AMNH: 2 [2 - **2** - **2**].
Northeastern Africa: Collection Date Unknown: Ehrenberg, Christian Gottfried: ZMB: 1 [1 - **1** - **1**].
Northern Africa: Collection Date Unknown: Gerrard, Edward: MCZ: 1 [1]; Mission Frantf…, La: SMNS: 1 [1]; Verreaux, Jules Pierre: AMNH: 1 [1 - **3** - **3**].
Red Sea: Collection Date Unknown: Rüppell, Wilhem Peter Edward Simon: RMNH: 2 [2 - **2** - **2**].
Riva, near: Collection Date Unknown: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Rotsédy country, NE: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
S-Africa: Collection Date Unknown: Schultze: ZMB: 2 [2 - **2** - **2**].
Sahara: Collection Date Unknown: ?: Collector Unknown: MHNG: 1 [1 - **1** - **1**].
Sampi: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Sanaga Nyong-Dja: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].
Saulale: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Settlement: Collection Date Unknown: : BMNH: 1 [1 - **1**] - 31 January 1968: : BMNH: 3 [3 - **3**] - 6 December 1972: : BMNH: 1 [1 - **1** - **5**].
Takamaka: 27 November 1955: Fryer, J.C.F.: BMNH: 2 [2 - **2**] - 12 February 1968: Hutson, Anthony Michael: BMNH: 1 [1 - **1** - **3**].
Takamaka Grove: 14 February 1968: Hutson, Anthony Michael: BMNH: 3 [3 - **3** - **3**].
Ténéré: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ternata: Collection Date Unknown: Forster: ZMB: 1 [1 - **1** - **1**].
Tropical Africa: 2 January 1907: Institut für Tropenkrankheiten, Das: ZMH: 2 [2 - **2** - **2**].
Tschaka: Collection Date Unknown: Fischer: ZMB: 1 [1 - **1** - **1**].
Ukondjo: Collection Date Unknown: Emin Pascha / Pasha / Bey: ZMB: 1 [1]; Emin Pascha or Büttner: ZMB: 1 [1 - **2** - **2**].
Ukuguru: Collection Date Unknown: Götze: ZMB: 1 [1 - **1** - **1**].
Unknown locality: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Urundi: 6 January 1958: Leech, Robin E.; Ross, Edward S.: CAS: 7 [7 - **7** - **7**].
Webi: Collection Date Unknown: von Erlanger, C.: ZMB: 1 [1 - **1** - **1**].
West Africa: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2]; Bates, George Latimer: MCZ: 1 [1]; Ward's Natural Sciences Estabishment, The: FMNH: 1 [1 - **4** - **4**].
West coast of Africa: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Woodbush: 16 January 1923: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Zambezi, Upper: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Zambia or Zimbabwe: 15 July 1976: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Total Specimens for "Africa": 1123

Algeria

Unknown locality: Collection Date Unknown: BMNH: 43, MNHN: 11, RMNH: 1 [55]; : AMNH: 1 [1]; Dobson, George Edward: USNM: 1 [1]; Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **58**] - 19 February 1978: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 August 1978: Bio-Speological Expedition to Algeria (1978), The: RMNH: 2 [2 - **2**] - 5 December 1980: ?: Collector Unknown: SMF: 1 [1 - **1**] - 7 December 1980: ?: Collector Unknown: SMF: 2 [2 - **2**] - 9 May 1981: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 October 1981: ?: Collector Unknown: SMF: 1 [1 - **1** - **66**].
Abadla: 20 July 1983: Gaisler, Jiri; Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 2, MUB: 2 [4 - **4** - **4**].
Ain Cheurfas: 26 March 1988: Csorba, Gábor: HNHM: 3 [3 - **3**] - 27 March 1988: Csorba, Gábor: HNHM: 5 [5 - **5** - **8**].
Ain Mokra: Collection Date Unknown: Spatz: ZMB: 3 [3 - **3** - **3**].

Ain Ouarka: 17 July 1983: Gaisler, Jiri: MUB: 1 [1 - **1** - **1**].
Ain Oussera: 30 June 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1**] - 1 July 1981: Qumsiyeh, Mazin B.: CM: 14 [14 - **14** - **15**].
Aïn Sefra: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Aïn-Sefra: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Algerian Sahara: Collection Date Unknown: Von Geyr, H.: ZMB: 1 [1 - **1** - **1**].
Algiers: Collection Date Unknown: ?: Collector Unknown: NMV: 1 [1]; Gotsch: ZMB: 1 [1]; Nehring, Alfred: ZMB: 2 [2]; Spatz: ZMB: 5 [5]; Verreaux, Jules Pierre: ZMB: 2 [2 - **11**] - 19 December 1937: Laurent, P.: FMNH: 2 [2 - **2** - **13**].
Annaba: Collection Date Unknown: ?: Collector Unknown: UANK: 2 [2 - **2** - **2**].
Aokas: 30 April 1981: Gaisler, Jiri: MUB: 11 [11 - **11** - **11**].
Aokas cave: 15 June 1986: Mateo, J.A.; Parreño, F.; EBD Expedition, The: EBD: 26 [26 - **26** - **26**].
Aurès mountains: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Batna: 17 August 1973: Dely, O.Gy.; Zilahy, F.: HNHM: 1 [1 - **1** - **1**].
Bechar, 8 km NE: Collection Date Unknown: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1** - **1**].
Béni Abbès: Collection Date Unknown: ?: Collector Unknown: MNHN: 34 [34]; Johnson, E.D.W.: BMNH: 1 [1 - **35** - **35**].
Béni Abbès, 15 km N: 16 February 1973: Petiniot; Verheyen, Walter N.: RMCA: 1 [1 - **1** - **1**].
Benni Abbes: 19 July 1983: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **1**].
Biskra: Collection Date Unknown: Heymons: ZMB: 4 [4 - **4**] - 1 February 1885: : SMF: 1 [1 - **1**] - 1 January 1892: Koenig, Alexander Ferdinand: ZFMK: 3 [3 - **3**] - 16 June 1902: Martens, G.H.: ZMH: 11 [11 - **11** - **19**].
Blida: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Boghar: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Bône, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Brezina: 31 October 1981: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **1**].
Brezina cave: 31 October 1981: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 2 [2 - **2** - **2**].
Cap Aokas: Collection Date Unknown: ?: Collector Unknown: MCZ: 1 [1 - **1** - **1**].
Chaegga: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Cheurfas Barrage: 26 March 1988: Csorba, Gábor: HNHM: 4 [4 - **4**] - 27 March 1988: Csorba, Gábor: HNHM: 5 [5 - **5** - **9**].
Colomb Bechar: Collection Date Unknown: Laviolette, S.; Cunningham, G.: ROM: 4 [4 - **4**] - 10 March 1969: Laviolette, S.; Cunningham, G.: ROM: 4 [4 - **4**] - 10 April 1969: Laviolette, S.; Cunningham, G.: ROM: 12 [12 - **12** - **20**].
Dellys: Collection Date Unknown: ?: Collector Unknown: MCZ: 1 [1 - **1** - **1**].
Djamaa: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 21 February 1920: Jordan, Karl: MNHN: 1 [1 - **1**] - 25 February 1920: Jordan, Karl: MNHN: 1 [1 - **1** - **3**].
Djanet: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 1 January 1934: Foley, Henry: MNHN: 3 [3 - **3** - **11**].
Djelfa: 18 July 1950: Laenen, J.: ZFMK: 1 [1 - **1** - **1**].
El Golea: 16 May 1912: Hartert, Ernst Johnann Otto: BMNH: 1 [1 - **1**] - 1 May 1937: Laurent, P.: FMNH: 2 [2 - **2** - **3**].
El Goléa: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Ghardaia: 1 July 1949: Laenen, J.: FMNH: 2 [2 - **2** - **2**].
Gorges de Kherrata tunnel: 15 January 1982: Gaisler, Jiri: IVB: 1 [1 - **1**] - 14 January 1983: Gaisler, Jiri: MUB: 1 [1 - **1** - **2**].
Gorges de la Chiffa: 27 February 1927: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Gran Cabilia: Collection Date Unknown: Sárvári, M.: HNHM: 1 [1 - **1** - **1**].
Gran Cabilia, Sea-Atlas: Collection Date Unknown: Sárvári, M.: HNHM: 2 [2 - **2** - **2**].
Hassi Fokra: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Hassi Kalifa: 9 November 1970: Verheyden; Fairon, Jacques: RBINS: 1 [1 - **1** - **1**].
Hedjani: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Heljani: 1 April 1961: Ducrot, M.: MNHN: 2 [2 - **2** - **2**].
Hoggar: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Hoggar, Oued Igharghar: 31 March 1914: von Schweppenburg, G.: ZMB: 1 [1 - **1** - **1**].
Ighzer cave: 2 August 1973: Dely, O.Gy.; Zilahy, F.: HNHM: 1 [1 - **1** - **1**].
In Saleh: 29 May 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].
Laghouat: 1 January 1880: Lataste collection, The: MNHN: 1 [1 - **1** - **1**].
Les Andalouses: 8 October 1982: Kowalski, Kazimierz: HZM: 1 [1 - **1**] - 8 November 1982: Kowalski, Kazimierz: HZM: 3 [3 - **3**] - 12 November 1982: Kowalski, Kazimierz: HZM: 2 [2 - **2**] - 24 March 1983: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **7**].
Lions cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Marhouma: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Mascara province: 19 November 1978: ?: Collector Unknown: SMF: 1 [1 - **1**] - 30 July 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 October 1979: ?: Collector Unknown: SMF: 2 [2 - **2** - **4**].
Misserghin: 2 June 1982: Kowalski, Kazimierz: HZM: 1 [1 - **1**] - 22 June 1982: Kowalski, Kazimierz: HZM: 1 [1 - **1**] - 14 December 1982: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **3**].
Misserghin Gorge, cave of 4th source: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Mouzdjadjo: 19 May 1981: Qumsiyeh, Mazin B.: CM: 2 [2 - **2** - **2**].
M'Sila forest: 7 June 1986: Mateo, J.A.; Parreño, F.; EBD Expedition, The: EBD: 1 [1 - **1** - **1**].
no specific locality: Collection Date Unknown: Doria, Giacomo: ZMB: 4 [4]; Verreaux, Jules Pierre: ZMB: 1 [1 - **5** - **5**].
Oran: Collection Date Unknown: Pallary, Paul: MNHN: 1 [1]; Wagner, Johann Andreas: ZMB: 1 [1 - **2** - **2**].
Oran province: 9 October 1980: ?: Collector Unknown: SMF: 1 [1 - **1**] - 7 May 1981: ?: Collector Unknown: SMF: 3 [3 - **3**] - 14 June 1981: ?: Collector Unknown: SMF: 1 [1 - **1** - **5**].
Ouargla: 1 January 1860: Fatio, Victor: MHNG: 1 [1 - **1**] - 1 January 1880: Lataste collection, The: MNHN: 1 [1 - **1**] - 8 April 1880: Lataste, Fernand: BMNH: 1, MSNG: 1 [2 - **2** - **4**].
Ouarsenis: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ouarsenis, Djebel: 1 January 1938: Laurent, R.: MNHN: 1 [1 - **1** - **1**].
Oued Rhumel: 23 May 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1**] - 24 May 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **2**].
Oued Tlélat: 8 June 1982: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **1**].
Oumash: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Pool: Collection Date Unknown: James, D.K.: BMNH: 1 [1 - **1**] - 27 February 1979: James, D.K.: BMNH: 3 [3 - **3** - **4**].
road between Sétif and Annaba: 1 November 1913: ?: Collector Unknown: ZFMK: 2 [2 - **2** - **2**].
Sebdou: 30 April 1982: Kowalski, Kazimierz: HZM: 1 [1 - **1**] - 1 May 1982: Gaisler, Jiri: IVB: 1 [1 - **1** - **2**].
Sebdou, 20 km NW: 6 November 1981: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **1**].
Sétif: 5 June 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1**] - 16 December 1981: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **2**].

Sidi Okba: 25 May 1912: Streeter, D.D.: USNM: 33 [33 - **33** - **33**].
Sig: 8 December 1980: Gaisler, Jiri; Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1**] - 23 November 1981: Gaisler, Jiri; Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: MUB: 1 [1 - **1**] - 4 January 1983: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1**] - 25 January 1983: Kowalski, Kazimierz; Rzebik-Kowalska, Barbara: ISEA: 1 [1 - **1** - **4**].
Souk el Tenine: 23 April 1982: Gaisler, Jiri: MUB: 1 [1 - **1** - **1**].
Tafna: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Tamanrasset: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 1 June 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1**] - 3 June 1981: Qumsiyeh, Mazin B.: CM: 7 [7 - **7** - **10**].
Tamanrasset, 110 km NW: 12 March 1971: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Tamanrasset, 55 km N: 19 March 1971: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Tamanrasset, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Tassili N'Ajer: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Taya: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ténès: 17 August 1951: Strinati, Pierre: MHNG: 1 [1 - **1** - **1**].
Tikjda: 13 August 1983: Kowalski, Kazimierz: HZM: 1 [1 - **1** - **1**].
Tit: Collection Date Unknown: Back, H.E.: ZFMK: 1 [1 - **1**] - 3 April 1976: Ernst, D.: SMF: 1 [1 - **1** - **2**].
Touareg Sahara: Collection Date Unknown: ?: Collector Unknown: MNHN: 11 [11 - **11** - **11**].
Umasch [=Oumach]: Collection Date Unknown: Zedlitz: ZMB: 1 [1 - **1** - **1**].
Wadi Sauria: 16 May 1981: Qumsiyeh, Mazin B.: CM: 6 [6 - **6** - **6**].

Total Specimens for Algeria: 428

Angola

Unknown locality: Collection Date Unknown: BMNH: 79, RMNH: 1 [80]; : BMNH: 1 [1]; Anchieta, José Alberto de Oliveira: RMNH: 1 [1]; Bradley, Lee S.: AMNH: 1 [1]; Chatelain, Héli: USNM: 1 [1]; Mission Scientifique Suisse à Angola, La: MHNN: 1 [1]; Monard, Albert: MHNG: 1 [1]; Van der Kellen, C.E.: RMNH: 1 [1]; Wollwitsch: BMNH: 2 [2 - **89** - **89**].
Agronomic station: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Alto Chicapa: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, MDL: 9 [10 - **10**] - 25 June 1954: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 12 July 1954: ?: Collector Unknown: MDL: 1 [1 - **1** - **12**].
Alto Chicapa, R. Luica, affluent of R. Cuango-Muqué: Collection Date Unknown: ?: Collector Unknown: MDL: 1 [1 - **1** - **1**].
Alto Cuilo: Collection Date Unknown: ?: Collector Unknown: MDL: 1 [1 - **1** - **1**].
Alto Zambeze, Calunda: Collection Date Unknown: ?: Collector Unknown: MDL: 2 [2 - **2** - **2**].
Ambriz: 1 April 1891: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].
Angola: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Baia Farta: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Ballundo: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Benguela: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1]; Bocage, José Vicente Barboza du: MZUF: 1 [1]; Monteiro, J.J.: BMNH: 1, ZMB: 7 [8]; Wellman, F.C.: BMNH: 1 [1 - **11**] - 30 September 1930: Blazer, brothers: RMNH: 1 [1 - **1** - **12**].
Benguella [= Benguela]: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Biballe and Rio Coroca, Caconda: 1 January 1877: Hildebrandt, Johann Maria: BMNH: 1 [1 - **1** - **1**].
Bungo: Collection Date Unknown: Ansorge, William John: BMNH: 1 [1 - **1**] - 11 May 1906: Ansorge, William John: BMNH: 3 [3 - **3** - **4**].
Cabiri: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1]; Ansorge, William John: MCZ: 1 [1 - **2**] - 5 September 1910: Ansorge, William John: MCZ: 1 [1 - **1** - **3**].
Cabuta: Collection Date Unknown: ?: Collector Unknown: IICA: 3 [3 - **3** - **3**].
Caconda: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Anchieta, José Alberto de Oliveira: BMNH: 1 [1 - **2** - **2**].
Caconda [= Cuango]: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Cacuaco: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Cahata: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Anchieta, José Alberto de Oliveira: MNHN: 1 [1 - **2** - **2**].
Caimbambo: 3 March 1972: Visser, John: FMNH: 1 [1 - **1**] - 3 March 1975: Visser, John: AMNH: 3 [3 - **3** - **4**].
Calulo, 40 km E: 15 January 1958: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].
Calunda: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Cambisa: 1 June 1932: Monard, Albert: RMCA: 1 [1 - **1** - **1**].
Cambo, 60 km N: 8 March 1958: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].
Campale [= Kapala]: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Canhoca: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1 - **2** - **2**].
Canzele: Collection Date Unknown: Blazer, brothers: RMNH: 1 [1 - **1**] - 1 January 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 2 March 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 5 March 1954: Heinrich, Gerd H.: FMNH: 4 [4 - **4**] - 8 March 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 9 March 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 10 March 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 13 March 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 14 March 1954: ?: Collector Unknown: FMNH: 2 [2]; Heinrich, Gerd H.: FMNH: 4 [4 - **6**] - 15 March 1954: Heinrich, Gerd H.: FMNH: 2 [2 - **2**] - 19 March 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 23 March 1954: Heinrich, Gerd H.: FMNH: 2 [2 - **2**] - 25 March 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 27 March 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 28 March 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 29 March 1954: Heinrich, Gerd H.: FMNH: 2 [2 - **2**] - 1 April 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 3 April 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 5 April 1954: Heinrich, Gerd H.: FMNH: 3 [3 - **3**] - 6 April 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 7 April 1954: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 8 April 1954: ?: Collector Unknown: FMNH: 1 [1]; Heinrich, Gerd H.: FMNH: 3 [3 - **4**] - 9 April 1954: Heinrich, Gerd H.: FMNH: 11 [11 - **11**] - 10 April 1954: ?: Collector Unknown: FMNH: 1 [1]; Heinrich, Gerd H.: FMNH: 5 [5 - **6**] - 11 April 1954: Heinrich, Gerd H.: FMNH: 3 [3 - **3**] - 12 April 1954: Heinrich, Gerd H.: FMNH: 3 [3 - **3**] - 13 April 1954: Heinrich, Gerd H.: FMNH: 6 [6 - **6**] - 14 April 1954: Heinrich, Gerd H.: FMNH: 2 [2 - **2**] - 15 April 1954: Heinrich, Gerd H.: FMNH: 6 [6 - **6**] - 17 April 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 19 April 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 23 April 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 24 April 1954:

Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 26 April 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 27 April 1954: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 2 April 1955: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **82**].

Capelongo: 13 July 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1**] - 17 July 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1**] - 20 July 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1** - **3**].

Capelopopo: 19 August 1992: Juste, Javier: EBD: 3 [3 - **3** - **3**].

Capolopop: Collection Date Unknown: ?: Collector Unknown: IICA: 3 [3 - **3** - **3**].

Capolopopo: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].

Cariango: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].

Carumba lake: 21 March 1958: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

Cassai: 8 February 1965: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].

Cassoalalla: 8 July 1908: Ansorge, William John: BMNH: 1 [1 - **1** - **1**].

Catete: Collection Date Unknown: ?: Collector Unknown: NMBA: 1 [1]; : NMBA: 2 [2 - **3** - **3**].

Catete road: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].

Catumbella: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].

Catumbella [= Benguella]: 6 August 1905: Ausoy?, K.J: BMNH: 1 [1 - **1** - **1**].

Chett Angolan border, 13 km N: 26 April 2013: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Chinchoxo: Collection Date Unknown: Afrikanische Gesellschaft, Die: ZMB: 8 [8]; Falkenstein: ZMB: 10 [10 - **18** - **18**].

Chitado: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].

Chitau: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1**] - 8 January 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1]; Vernay, Arthur S.: AMNH: 14 [14 - **15**] - 5 August 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 2 [2 - **2**] - 6 August 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 2 [2 - **2**] - 9 August 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 2 [2 - **2**] - 12 August 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1**] - 6 August 1926: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1**] - 12 January 1931: Boulton, Rudyerd; Boulton, Laura: CM: 1 [1 - **1**] - 17 January 1931: Boulton, Rudyerd; Boulton, Laura: CM: 1 [1]; Pulitzer, Ralph: CM: 1 [1 - **2**] - 9 February 1933: Bradley, Lee S.: AMNH: 1 [1 - **1**] - 11 February 1933: Bradley, Lee S.: AMNH: 1 [1]; Phipps; Bradley, Lee S.: AMNH: 2 [2 - **3**] - 12 February 1933: Bradley, Lee S.: AMNH: 1 [1]; Phipps; Bradley, Lee S.: AMNH: 1 [1 - **2**] - 13 February 1933: Bradley, Lee S.: AMNH: 4 [4]; Buchanan, W.J.: AMNH: 1 [1]; Phipps; Bradley, Lee S.: AMNH: 2 [2 - **7**] - 14 February 1933: Bradley, Lee S.: AMNH: 1 [1 - **1**] - 16 February 1933: Bradley, Lee S.: AMNH: 6 [6 - **6**] - 17 February 1933: Bradley, Lee S.: AMNH: 5 [5 - **5**] - 21 February 1933: Bradley, Lee S.: AMNH: 1 [1]; Phipps; Bradley, Lee S.: AMNH: 2 [2 - **3**] - 27 February 1933: Bradley, Lee S.: AMNH: 1 [1 - **1**] - 2 March 1933: Bradley, Lee S.: AMNH: 5 [5 - **5**] - 4 March 1933: Bradley, Lee S.: AMNH: 10 [10]; Howard, J.A.: KU: 1 [1 - **11**] - 6 March 1933: Bradley, Lee S.: AMNH: 9 [9 - **9**] - 7 March 1933: Bradley, Lee S.: AMNH: 1 [1 - **1**] - 9 March 1933: Bradley, Lee S.: AMNH: 2 [2 - **2** - **84**].

Concórdia: Collection Date Unknown: Wilhelm: ZMB: 1 [1 - **1** - **1**].

Congulu: Collection Date Unknown: : BMNH: 4 [4 - **4** - **4**].

Courrier de Humpata, Fazenda Bumbo: Collection Date Unknown: ?: Collector Unknown: MDL: 2 [2 - **2** - **2**].

Cuango: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].

Cuchi: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].

Cunga: 1 December 1889: Brown, W.: USNM: 7 [7 - **7**] - 25 December 1889: ?: Collector Unknown: USNM: 1 [1]; Brown, W.: USNM: 5 [5 - **6** - **13**].

Dande [= Dando], 35 km E: 1 August 1925: Vernay, Arthur S.: AMNH: 1 [1 - **1** - **1**].

Dando: Collection Date Unknown: ?: Collector Unknown: CZL: 2, IICA: 2 [4 - **4** - **4**].

Dando, 35 km E: 1 August 1925: Vernay, Arthur S.: AMNH: 1 [1 - **1** - **1**].

Dolondolo: Collection Date Unknown: ?: Collector Unknown: SMW: 4 [4 - **4** - **4**].

Dondi: 30 June 1936: Prior, K.H.: MVZ: 1 [1 - **1** - **1**].

Dondo: Collection Date Unknown: Ansorge, William John: BMNH: 3 [3 - **3**] - 23 January 1955: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **4**].

Dundo: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, MDL: 141 [142]; : MDL: 1 [1 - **143**] - 1 October 1946: de Barros Machado, A.: FMNH: 1 [1 - **1**] - 1 December 1947: de Barros Machado, A.: FMNH: 2 [2 - **2**] - 3 December 1947: de Barros Machado, A.: FMNH: 1 [1 - **1**] - 29 December 1947: de Barros Machado, A.: FMNH: 3 [3 - **3**] - 1 January 1948: de Barros Machado, A.: FMNH: 1 [1 - **1**] - 5 January 1948: de Barros Machado, A.: FMNH: 1 [1 - **1**] - 23 January 1948: de Barros Machado, A.: FMNH: 1 [1 - **1**] - 1 February 1948: de Barros Machado, A.: FMNH: 3 [3 - **3**] - 1 March 1948: de Barros Machado, A.: FMNH: 6 [6 - **6**] - 12 March 1948: de Barros Machado, A.: FMNH: 22 [22 - **22**] - 1 July 1948: ?: Collector Unknown: FMNH: 1 [1]; de Barros Machado, A.: FMNH: 10 [10 - **11**] - 1 September 1948: de Barros Machado, A.: FMNH: 13 [13 - **13**] - 1 October 1948: de Barros Machado, A.: FMNH: 5 [5 - **5**] - 1 January 1949: ?: Collector Unknown: FMNH: 1 [1]; de Barros Machado, A.: FMNH: 30 [30 - **31**] - 4 July 1949: de Barros Machado, A.: FMNH: 1 [1 - **1**] - 1 June 1953: de Barros Machado, A.: BMNH: 1 [1 - **1**] - 4 November 1953: ?: Collector Unknown: MDL: 1 [1 - **1** - **247**].

Dundo Lundo: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; Dundo Museum, the: BMNH: 4 [4 - **6**] - 2 January 1956: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 1 August 1958: de Barros Machado, A.: BMNH: 1 [1 - **1**] - 8 April 1961: de Barros Machado, A.: BMNH: 1 [1 - **1**] - 27 March 1963: de Barros Machado, A.: BMNH: 1 [1 - **1** - **10**].

Duque de Bragança: Collection Date Unknown: Ansorge, William John: BMNH: 1 [1 - **1** - **1**].

Duque de Bragança [=Calandula]: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1]; Bocage, José Vicente Barboza du: ZMB: 1 [1 - **2** - **2**].

Duque de Braganca, 25 km N, 15 km E: 1 January 1954: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 1 June 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **2**].

Duque de Braganca, 42 km N: 29 November 1957: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].

EquInIma: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].

Fazenda Bumbo: Collection Date Unknown: ?: Collector Unknown: MDL: 1 [1 - **1** - **1**].

Fazenda Cacanda: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1**] - 26 October 1963: Crawford de Meneses Cabral, João: RMCA: 1 [1 - **1** - **2**].

Gabela: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Gabela, 30 km S: 20 July 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 23 July 1954: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 27 July 1954: ?: Collector Unknown: FMNH: 1 [1]; Heinrich, Gerd H.: FMNH: 2 [2 - **3**] - 29 July 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **6**].

Galanga: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Anchieta, José Alberto de Oliveira: MNHN: 2 [2 - **3** - **3**].

Gauca river: 3 January 1931: Boulton, Rudyerd; Boulton, Laura: CM: 1 [1 - **1**] - 4 January 1931: Boulton, Rudyerd; Boulton, Laura: CM: 2 [2 - **2** - **3**].
Giante's Castle: 10 August 1925: Symons, R.E.: AMNH: 1 [1 - **1** - **1**].
Golungo: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Golungo Alto: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; Welwitsch, F.M.: BMNH: 1 [1 - **3** - **3**].
Hanha: 15 May 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1**] - 16 May 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 4 [4 - **4**] - 17 May 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1**] - 18 May 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 3 [3 - **3** - **9**].
Hoque: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Huila: Collection Date Unknown: ?: Collector Unknown: IICA: 2 [2 - **2**] - 28 April 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 26 November 1954: Heinrich, Gerd H.: FMNH: 4 [4 - **4**] - 30 November 1954: Heinrich, Gerd H.: FMNH: 13 [13 - **13**] - 2 December 1954: Heinrich, Gerd H.: FMNH: 9 [9 - **9**] - 4 December 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 28 December 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 29 December 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 30 December 1954: Heinrich, Gerd H.: FMNH: 2 [2 - **2**] - 31 December 1954: Heinrich, Gerd H.: FMNH: 8 [8 - **8**] - 26 November 1955: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **43**].
Humbe: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1]; Anchieta, José Alberto de Oliveira: MSNG: 1 [1]; Bocage, José Vicente Barboza du: ZMB: 1 [1]; Monard, Albert: MHNG: 1 [1 - **4** - **4**].
Humpata: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1**] - 23 November 1932: Bradley, Lee S.: AMNH: 1 [1 - **1**] - 24 November 1932: Bradley, Lee S.: AMNH: 1 [1 - **1**] - 29 November 1932: Phipps; Bradley, Lee S.: AMNH: 1 [1 - **1** - **4**].
Huxe: 10 September 1905: Ansorge, William John: USNM: 1 [1 - **1** - **1**].
Jau: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1**] - 4 April 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 4 December 1954: Heinrich, Gerd H.: FMNH: 51 [51 - **51** - **53**].
Kalonga [= Calonga]: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Kissama [=Quiçama] cave: 29 August 1992: Juste, Javier: EBD: 3 [3 - **3** - **3**].
Kissama NP: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kuvango: Collection Date Unknown: ?: Collector Unknown: MCZ: 1 [1]; Mission Scientifique Suisse à Angola, La: MHNN: 1 [1 - **2** - **2**].
Kuvango Mission: Collection Date Unknown: Monard, Albert: MHNN: 1 [1 - **1**] - 2 March 1933: Monard, Albert: RMCA: 1 [1 - **1** - **2**].
Kuvangu Mission: 3 January 1933: Monard, Albert: MHNG: 1 [1 - **1** - **1**].
Lago Calundo: Collection Date Unknown: Dundo Museum, The: BMNH: 1 [1 - **1** - **1**].
Lago Dilolo: Collection Date Unknown: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].
Lake Calundo [= Lac Calundo]: Collection Date Unknown: ?: Collector Unknown: BMNH: 2, MDL: 5 [7 - **7** - **7**].
Lândana: Collection Date Unknown: ?: Collector Unknown: RBINS: 3, ZMA: 1 [4 - **4** - **4**].
Litambo: Collection Date Unknown: Lademann: ZMB: 5 [5 - **5** - **5**].
Loango: Collection Date Unknown: Bocage, José Vicente Barboza du: ZMB: 1 [1 - **1** - **1**].
Lobito Bay: 16 May 1925: Lang, Herbert; Boulton, W. Rudyerd (Jr.): AMNH: 1 [1 - **1** - **1**].
Luanda: Collection Date Unknown: ?: Collector Unknown: IICA: 4 [4]; Gleim: ZMB: 1 [1 - **5** - **5**].
Lucano: 2 August 1957: Hall, B.P.: BMNH: 1 [1 - **1** - **1**].
Luhanda: 1 January 1954: Heinrich, Gerd H.: FMNH: 13 [13 - **13**] - 17 June 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 18 June 1954: Heinrich, Gerd H.: FMNH: 2 [2 - **2**] - 20 June 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 23 June 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **18**].
Luiana Camp: Collection Date Unknown: Doutt, J. Kenneth: CM: 2 [2 - **2** - **2**].
Lulana Camp: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].
Luso [= Moxico]: Collection Date Unknown: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].
Malange [= Malanje]: Collection Date Unknown: Ansorge, William John: BMNH: 1 [1]; Buchner: ZMB: 1 [1]; Mechow: ZMB: 4 [4 - **6** - **6**].
Marco de Canavezes: Collection Date Unknown: ?: Collector Unknown: MDL: 1 [1 - **1** - **1**].
Massano de Amorim: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Mavoio: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Missongue, near Cuanza R.: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Moco, mount: 3 October 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 9 October 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 10 October 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **3**].
Moks, mount: Collection Date Unknown: Burrard, C.; Jordan, Karl: BMNH: 1 [1 - **1** - **1**].
Monte Soque: 24 August 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 25 August 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 26 August 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 27 August 1954: Heinrich, Gerd H.: FMNH: 2 [2 - **2**] - 28 August 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 30 August 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 31 August 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1**] - 3 September 1954: Heinrich, Gerd H.: FMNH: 1 [1 - **1** - **9**].
Mount Verdun: 15 November 1926: Chapman, C.P.: AMNH: 1 [1 - **1**] - 23 November 1926: Chapman, C.P.: AMNH: 1 [1 - **1** - **2**].
Mucoso: 15 July 1954: Heinrich, Gerd H.: FMNH: 39 [39 - **39** - **39**].
Mulundo: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Mumbondo: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Mussende: Collection Date Unknown: ?: Collector Unknown: IICA: 2 [2 - **2** - **2**].
Namibe [=syn Mossamedes, Mocamedes]: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Natundabala River [=Tunda Vala gorge]: 11 August 1992: Juste, Javier: EBD: 8 [8 - **8** - **8**].
Naulila: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Naulila, 25 km E: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
N'Kuta, Loango: Collection Date Unknown: Ansorge, William John: ZMB: 1 [1 - **1** - **1**].
no specific locality: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1]; Toulson: ZMB: 1 [1]; Welwitsch, F.M.: ZMB: 1 [1 - **3** - **3**].
Nóqui: 26 January 1954: Heinrich, Gerd H.: FMNH: 12 [12 - **12** - **12**].
Nova Lisboa: 6 November 1957: Santos, Jaime V.: CZL: 1 [1 - **1** - **1**].
Nova Lisboa [= Huambo]: Collection Date Unknown: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].
Novo Redondo, near: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].

NovoRed'1ndo: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
N'zeto: Collection Date Unknown: Heinrich, Gerd H.: FMNH: 10 [10 - **10**] - 1 January 1954: Heinrich, Gerd H.: FMNH: 4 [4 - **4**] - 1 February 1954: Heinrich, Gerd H.: FMNH: 3 [3 - **3** - **17**].
Oncocua: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Otjipomenima: 1 June 1987: Van de Kellen, P.J.: RMNH: 1 [1 - **1** - **1**].
Pedra Grande, Caraculo: Collection Date Unknown: ?: Collector Unknown: IICA: 2 [2 - **2** - **2**].
Pungo Andongo: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Anchieta, José Alberto de Oliveira: BMNH: 1 [1 - **2**] - 1 January 1891: Anchieta, José Alberto de Oliveira: MLZA: 2 [2 - **2** - **4**].
Pungo Andongo [Quibula, Cahata]: Collection Date Unknown: Falkenstein: ZMB: 1 [1 - **1**] - 18 June 1903: Ansorge, William John: BMNH: 1 [1 - **1** - **2**].
Quimbango: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Quipungo: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Quiteve: Collection Date Unknown: ?: Collector Unknown: IICA: 2 [2 - **2** - **2**].
Rio Coroca: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Rio Corvea: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Rio Kassai: 11 April 1958: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].
Rio Luachimo: 15 February 1958: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - 25 February 1958: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - 26 February 1958: Heinrich, Gerd H.: YPM: 2 [2 - **2**] - 28 February 1958: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - 1 March 1958: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **6**].
Robert Williams, 6 mi S: 7 December 1966: Ross, Edward S.; Lorenzen, Kenneth: CAS: 1 [1 - **1** - **1**].
Roça Cansele: 18 September 1957: Heinrich, Gerd H.: YPM: 2 [2 - **2** - **2**].
Sá da Bandeira: Collection Date Unknown: ?: Collector Unknown: IICA: 6 [6 - **6**] - 2 March 1963: Crawford de Meneses Cabral, João: RMCA: 2 [2 - **2** - **8**].
Sa da Bandeira [= Lubango], 20 km W: Collection Date Unknown: ?: Collector Unknown: IICA: 1 [1 - **1** - **1**].
Salazar [= N'Dalatando], Agronomic Station: Collection Date Unknown: ?: Collector Unknown: IICA: 3, NHMZ: 1 [4 - **4** - **4**].
Sangueve: Collection Date Unknown: Monard, Albert: MHNG: 1 [1 - **1** - **1**].
Santo Antonlodo Zalre [= Soyo]: Collection Date Unknown: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].
Silva Porto [= Kuito]: Collection Date Unknown: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].
Sombo: 1 September 1948: de Barros Machado, A.: FMNH: 1 [1 - **1** - **1**].
Tchivinguiro: Collection Date Unknown: ?: Collector Unknown: IICA: 3, SMW: 3 [6 - **6** - **6**].
Tshiumbe [=syn Tyihumbwe, Tyhumbwe, Chiumbe] river, tributary of Kasai river: Collection Date Unknown: ?: Collector Unknown: AMNH: 1, MHNC: 2 [3 - **3** - **3**].
Tshiumbe [=syn. Tyihumbwe, Tyhumbwe, Chiumbe] river, tributary of Kasai river: Collection Date Unknown: ?: Collector Unknown: MHNC: 1 [1 - **1** - **1**].
Vila Arriaga: Collection Date Unknown: ?: Collector Unknown: IICA: 1, SMW: 1 [2 - **2** - **2**].

Total Specimens for Angola: 1023

Azores (Portugal)

Unknown locality: Collection Date Unknown: BMNH: 14, SMF: 1 [15 - **15** - **15**].
Lake Furnas: 18 March 1903: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Ribeira Grande, road to: 8 March 1903: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
St Michael: Collection Date Unknown: DuCane Godman, Frederick: BMNH: 1 [1 - **1** - **1**].
Terceira Island: 11 July 1894: Trelease, W.: USNM: 1 [1 - **1**] - 1 February 1958: Parker, P.: USNM: 1 [1 - **1** - **2**].

Total Specimens for Azores (Portugal): 20

Benin

Unknown locality: Collection Date Unknown: MNHN: 9, ZMA: 2 [11]; van Woersem, I.: RMNH: 44 [44 - **55**] - 1 January 2002: ?: Collector Unknown: ZMA: 1 [1 - **1** - **56**].
"Dahomey": Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; : BMNH: 2 [2]; Waterlot, G.: MNHN: 1 [1 - **4**] - 24 April 1912: ?: Collector Unknown: MNHN: 2 [2 - **2** - **6**].
Agouagon: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 21 May 1910: Bouet: MNHN: 1 [1 - **1**] - 12 August 1910: ?: Collector Unknown: MNHN: 2 [2 - **2** - **11**].
Agouagou: 12 August 1910: Bouet: MNHN: 1 [1 - **1** - **1**].
Agouve [=Agoué?]: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Ajargon [=Ajougon = Agouagon?]: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ajougon: 24 March 1905: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Angaradébou: 16 April 1987: van Woersem, I.: ZMA: 2 [2 - **2** - **2**].
Awaya: Collection Date Unknown: ?: Collector Unknown: NMP: 7 [7 - **7** - **7**].
Ayitedjou: 16 June 1968: Robbins, C. Brian: USNM: 1 [1 - **1**] - 17 June 1968: LeDuc, James W.: USNM: 1 [1]; Robbins, C. Brian: USNM: 1 [1 - **2** - **3**].
Bimbereke: 19 January 1968: LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 4 [4 - **6**] - 20 January 1968: LeDuc, James W.: USNM: 12 [12]; Robbins, C. Brian: USNM: 10 [10 - **22**] - 21 January 1968: LeDuc, James W.: USNM: 15 [15]; Robbins, C. Brian: USNM: 11 [11 - **26**] - 22 January 1968: LeDuc, James W.: USNM: 10 [10]; Robbins, C. Brian: USNM: 20 [20 - **30**] - 23 January 1968: Robbins, C. Brian: USNM: 10 [10 - **10** - **94**].
Bimbéréké: 19 January 1968: LeDuc, James W.: USNM: 9 [9]; Robbins, C. Brian: USNM: 4 [4 - **13**] - 20 January 1968: Robbins, C. Brian: USNM: 6 [6 - **6** - **19**].
Bodjecali: 1 January 1985: van Woersem, I.: ZMA: 8 [8 - **8**] - 1 March 1986: van Woersem, I.: ZMA: 1 [1 - **1** - **9**].
Bodjécali: 21 April 1987: van Woersem, I.: ZMA: 1 [1 - **1** - **1**].
Diho: 14 January 1968: Robbins, C. Brian: USNM: 4 [4 - **4**] - 16 January 1968: LeDuc, James W.: USNM: 1 [1]; Robbins, C. Brian: USNM: 1 [1 - **2**] - 19 January 1968: LeDuc, James W.: USNM: 1 [1 - **1**] - 20 January 1968: LeDuc, James W.: USNM: 1 [1 - **1**] - 29 January 1968: LeDuc, James W.: USNM: 1 [1 - **1** - **9**].

Garou: 1 June 1986: van Woersem, I.: ZMA: 1 [1 - **1**] - 1 March 1987: van Woersem, I.: ZMA: 5 [5 - **5**] - 11 March 1987: van Woersem, I.: ZMA: 4 [4 - **4** - **10**].
Groß-Popo [= Grand-Popo]: Collection Date Unknown: Bloess: ZMB: 1 [1 - **1** - **1**].
Guéné: 29 January 1968: LeDuc, James W.: USNM: 39 [39]; Robbins, C. Brian: USNM: 41 [41 - **80**] - 31 January 1968: LeDuc, James W.: USNM: 15 [15]; Robbins, C. Brian: USNM: 18 [18 - **33**] - 1 February 1968: Robbins, C. Brian: USNM: 9 [9 - **9** - **122**].
Guéné - Nikki road: 24 February 1968: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Kandi and Malanville, road between: 1 November 1988: van Woersem, I.: ZMA: 1 [1 - **1** - **1**].
Kétou: 5 March 1968: LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 3 [3 - **5**] - 6 March 1968: LeDuc, James W.: USNM: 18 [18]; Robbins, C. Brian: USNM: 19 [19 - **37**] - 7 March 1968: LeDuc, James W.: USNM: 11 [11]; Robbins, C. Brian: USNM: 2 [2 - **13** - **55**].
Koko: 30 March 1997: Bergmans, Wim: ZMA: 2 [2 - **2**] - 31 March 1997: Bergmans, Wim: ZMA: 2 [2 - **2** - **4**].
Kouande: 26 April 1968: Aschemeier, Charles R.: USNM: 2 [2]; LeDuc, James W.: USNM: 6 [6]; Robbins, C. Brian: USNM: 2 [2 - **10**] - 29 April 1968: LeDuc, James W.: USNM: 1 [1]; Robbins, C. Brian: USNM: 1 [1 - **2** - **12**].
Kpodave: 21 June 1968: LeDuc, James W.: USNM: 3 [3]; Robbins, C. Brian: USNM: 9 [9 - **12**] - 22 June 1968: LeDuc, James W.: USNM: 28 [28]; Robbins, C. Brian: USNM: 31 [31 - **59**] - 23 June 1968: Robbins, C. Brian: USNM: 1 [1 - **1**] - 24 June 1968: Robbins, C. Brian: USNM: 2 [2 - **2**] - 30 June 1968: LeDuc, James W.: USNM: 1 [1 - **1** - **75**].
Kunjuruma: 1 January 1855: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Lokossa, 10 mi [=16 km] S: 6 April 1997: Sinsin, B.: ZMA: 5 [5 - **5** - **5**].
Lokossa, S of: 6 April 1997: Sinsin, B.: ZMA: 1 [1 - **1** - **1**].
Malanville: 1 October 1986: van Woersem, I.: ZMA: 3 [3 - **3** - **3**].
Manigri: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Mékrou river: 22 November 1976: Kosten, Stan: ZMA: 3 [3 - **3** - **3**].
Mono province: 24 June 1968: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].
Nikki: Collection Date Unknown: LeDuc, James W.: USNM: 1 [1 - **1**] - 16 February 1968: Robbins, C. Brian: USNM: 1 [1 - **1**] - 19 February 1968: Robbins, C. Brian: USNM: 5 [5 - **5**] - 22 February 1968: LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 1 [1 - **3**] - 24 February 1968: LeDuc, James W.: USNM: 9 [9]; Robbins, C. Brian: USNM: 12 [12 - **21** - **31**].
no specific locality: 9 February 1948: Rosevear, Donovan Reginald: BMNH: 1 [1 - **1**] - 17 April 1968: LeDuc, James W.: USNM: 1 [1 - **1** - **2**].
Ouari-Maro forest: 20 February 2005: VZZ / ReRe Expedition, The: ZMA: 2 [2 - **2** - **2**].
Parakou: 27 February 1968: LeDuc, James W.: USNM: 7 [7]; Robbins, C. Brian: USNM: 4 [4 - **11**] - 28 February 1968: LeDuc, James W.: USNM: 5 [5]; Robbins, C. Brian: USNM: 1 [1 - **6**] - 29 February 1968: Robbins, C. Brian: USNM: 3 [3 - **3**] - 1 November 1986: van Woersem, I.: ZMA: 1 [1 - **1** - **21**].
Parakou and Malanville, road between: 1 January 1985: van Woersem, I.: ZMA: 1 [1 - **1** - **1**].
Park W[est]: 22 November 1976: Kosten, Stan: ZMA: 1 [1 - **1**] - 1 February 1977: Koeman, J.H.: ZMA: 1 [1 - **1** - **2**].
Pendjari Park: Collection Date Unknown: Green, Arthur A.: ROM: 4 [4 - **4**] - 9 July 1978: Green, Arthur A.: ROM: 1 [1 - **1**] - 10 July 1978: Green, Arthur A.: ROM: 1 [1 - **1**] - 11 July 1978: Green, Arthur A.: ROM: 1 [1 - **1**] - 14 July 1978: Green, Arthur A.: ROM: 1 [1 - **1**] - 20 July 1978: Green, Arthur A.: ROM: 2 [2 - **2**] - 22 July 1978: Green, Arthur A.: ROM: 3 [3 - **3**] - 23 July 1978: Green, Arthur A.: ROM: 1 [1 - **1** - **14**].
Porga: 2 May 1968: LeDuc, James W.: USNM: 1 [1 - **1**] - 5 May 1968: LeDuc, James W.: USNM: 37 [37]; Robbins, C. Brian: USNM: 17 [17 - **54**] - 6 May 1968: LeDuc, James W.: USNM: 38 [38]; Robbins, C. Brian: USNM: 67 [67 - **105**] - 7 May 1968: LeDuc, James W.: USNM: 109 [109]; Robbins, C. Brian: USNM: 106 [106 - **215** - **375**].
Porto Novo National Botanical Garden: 20 December 2000: Bergmans, Wim: ZMA: 1 [1 - **1**] - 21 December 2000: Bergmans, Wim: ZMA: 3 [3 - **3** - **4**].
Porto-Novo: 1 January 1913: Mazières: MCZ: 7 [7 - **7**] - 18 April 1998: Kleyn, L.J.K.: ZMA: 2 [2 - **2** - **9**].
Porto-Novo or Abomey: 24 April 1912: Waterlot, G.: MNHN: 1 [1 - **1** - **1**].
Savé: 30 March 1997: Mensah, G.A.: ZMA: 1 [1 - **1** - **1**].
Segbana: 13 February 1968: Robbins, C. Brian: USNM: 4 [4 - **4**] - 15 February 1968: Robbins, C. Brian: USNM: 14 [14 - **14**] - 16 February 1968: Robbins, C. Brian: USNM: 18 [18 - **18** - **36**].
Ségbana: 13 February 1968: Robbins, C. Brian: USNM: 3 [3 - **3**] - 16 February 1968: Robbins, C. Brian: USNM: 2 [2 - **2** - **5**].
Soubroukou: 21 April 1968: LeDuc, James W.: USNM: 7 [7]; Robbins, C. Brian: USNM: 5 [5 - **12**] - 22 April 1968: Robbins, C. Brian: USNM: 2 [2 - **2**] - 23 April 1968: Robbins, C. Brian: USNM: 7 [7 - **7**] - 24 April 1968: LeDuc, James W.: USNM: 7 [7]; Robbins, C. Brian: USNM: 15 [15 - **22** - **43**].
Tagayé: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Tourou: 29 February 1968: LeDuc, James W.: USNM: 20 [20]; Robbins, C. Brian: USNM: 20 [20 - **40** - **40**].
Whedda: 12 October 1966: Thys Van den Audenaerde, Dirk: RMCA: 7 [7 - **7** - **7**].
Zizonkame: 14 April 1968: LeDuc, James W.: USNM: 12 [12]; Robbins, C. Brian: USNM: 6 [6 - **18**] - 15 April 1968: LeDuc, James W.: USNM: 5 [5]; Robbins, C. Brian: USNM: 10 [10 - **15**] - 16 April 1968: LeDuc, James W.: USNM: 9 [9]; Robbins, C. Brian: USNM: 3 [3 - **12**] - 17 April 1968: Robbins, C. Brian: USNM: 5 [5 - **5**] - 18 April 1968: LeDuc, James W.: USNM: 9 [9]; Robbins, C. Brian: USNM: 1 [1 - **10**] - 24 April 1968: LeDuc, James W.: USNM: 1 [1 - **1** - **61**].
Zizonkamé: 18 April 1968: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].

Total Specimens for Benin: 1176

Botswana

Unknown locality: Collection Date Unknown: BMNH: 2 [2 - **2**] - 20 January 1967: ?: Collector Unknown: ISU: 1 [1 - **1**] - 18 March 1967: ?: Collector Unknown: ISU: 1 [1 - **1**] - 14 November 1978: Camerik, Anne Margariette: RMNH: 2 [2 - **2** - **6**].
Aha Hills, 10 mi [=16 km] N: 10 April 1965: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].
Artesia: 17 July 1838: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
Camp 7: 1 November 1961: Haacke, W.D.; Prozesky, O.P.M.: USNM: 5 [5 - **5** - **5**].
Central Kalahari-GR, Kuke pan: 29 March 1930: Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **1** - **1**].
Chobe NP, Kasane: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6, USNM: 2 [8]; Smithers, Reay Henry Noble: ROM: 8 [8 - **16**] - 24 January 1965: Davis, R.M.: USNM: 9 [9]; Herbert, H.J.: USNM: 8 [8 - **17**] - 26 January 1965: Davis, R.M.: USNM: 10 [10]; Herbert, H.J.: USNM: 14 [14 - **24**] - 9 July 1965: Botswana Mammal Survey: USNM: 3 [3 - **3**] - 30

November 1965: Botswana Mammal Survey: USNM: 2 [2 - **2**] - 3 December 1965: Botswana Mammal Survey: USNM: 1 [1 - **1**] - 6 December 1965: ?: Collector Unknown: USNM: 1 [1 - **1**] - 9 December 1965: Botswana Mammal Survey: USNM: 2 [2 - **2**] - 11 December 1965: ?: Collector Unknown: USNM: 3 [3]; Botswana Mammal Survey: USNM: 3 [3]; Smithers, Reay Henry Noble: ROM: 1 [1 - **7**] - 13 December 1965: Hughes, D.L.: USNM: 1 [1 - **1**] - 10 January 1966: Hughes, D.L.: USNM: 1 [1 - **1**] - 10 May 1966: Elder, William Hanna: ROM: 1 [1 - **1**] - 12 May 1966: Haylock, R.E.: ROM: 1 [1 - **1**] - 13 May 1966: Haylock, R.E.: ROM: 11 [11 - **11**] - 14 May 1966: Haylock, R.E.: ROM: 6 [6 - **6**] - 5 June 1966: Haylock, J.: ROM: 1 [1 - **1**] - 2 August 1966: Child, Graham: USNM: 1 [1 - **1**] - 10 November 1966: Botswana Mammal Survey: USNM: 1 [1]; Child, Graham: USNM: 7 [7]; Hughes, D.L.: USNM: 2 [2 - **10**] - 2 December 1966: Child, Graham: USNM: 8 [8 - **8**] - 4 December 1966: Child, Graham: USNM: 7 [7 - **7**] - 5 December 1966: Child, Graham: USNM: 6 [6]; Hughes, D.L.: USNM: 1 [1 - **7**] - 7 June 1967: Smithers, Reay Henry Noble: ROM: 3 [3 - **3** - **131**].

Chobe NP, Serondela: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Chobe NR, Kasane: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2 - **2** - **2**].

Chobe-NP, Goho Hills: Collection Date Unknown: Lang, Herbert; Vernay Expedition, The: TM: 1 [1 - **1** - **1**].

Chobe-NP, Mababe Flats: 4 June 1930: Lang, Herbert; Vernay Expedition, The: FMNH: 1 [1 - **1** - **1**].

Chobe-NP, north of Tsotsoroga Pan, Zweizwe [= Zweizwi River] Waterhole: 7 June 1930: Lang, Herbert; Vernay Expedition, The: FMNH: 1 [1]; Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **2** - **2**].

Chobe-NP, Tsotsoroga Pan: 17 June 1930: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 2 [2 - **2**] - 18 June 1930: Vernay-Lang Kalahari Expedition 1930, The: AMNH: 1, FMNH: 1, TM: 1 [3 - **3**] - 19 June 1930: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 3, TM: 2 [5 - **5**] - 29 June 1930: Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **1**] - 8 July 1930: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 1 [1 - **1** - **12**].

Dautsa Flats: 19 February 1966: Liversedge, T.N.: USNM: 3 [3 - **3**] - 20 February 1966: Liversedge, T.N.: USNM: 4 [4 - **4** - **7**].

Dibete: 19 January 1956: Zumpt, Frits Konrad Ernst: SMNS: 1 [1 - **1** - **1**].

Digomo De Kai: 18 June 1966: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].

Dikomo Di Kai: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].

Drotsky Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2, USNM: 1 [3 - **3**] - 18 October 1977: : SMF: 1 [1 - **1** - **4**].

Drotsky's [= Drodsky] Caves: Collection Date Unknown: ?: Collector Unknown: NHMZ: 14, USNM: 1 [15]; Haacke, W.D.; Prozesky, O.P.M.: USNM: 3 [3]; Herbert, H.J.: USNM: 7 [7 - **25**] - 25 September 1961: Haacke, W.D.; Prozesky, O.P.M.: USNM: 1 [1 - **1**] - 27 September 1961: Haacke, W.D.; Prozesky, O.P.M.: USNM: 1 [1]; Marshall Expedition, The: TM: 1 [1]; Prozesky, Hans: USNM: 10 [10 - **12**] - 28 September 1961: Maseko, S.: USNM: 1 [1]; Prozesky, Hans: USNM: 22 [22 - **23**] - 29 September 1961: Cole, Ronald E.: USNM: 1 [1]; Maseko, S.: USNM: 8 [8]; Prozesky, O.P.M.: USNM: 9 [9 - **18**] - 2 October 1961: Haacke, W.D.; Prozesky, O.P.M.: USNM: 10 [10 - **10**] - 3 October 1961: Condy, J.B.: USNM: 2 [2]; Haacke, W.D.; Prozesky, O.P.M.: USNM: 2 [2]; Prozesky, O.P.M.: USNM: 6 [6 - **10**] - 9 April 1965: ?: Collector Unknown: TM: 1 [1 - **1**] - 10 April 1965: Davis, R.M.: USNM: 29 [29]; Hardy, A.R.: USNM: 13 [13]; Herbert, H.J.: USNM: 24 [24 - **66**] - 29 October 1966: Marshall Expedition, The: TM: 1 [1 - **1**] - 8 June 1967: Goussard, S.W.: USNM: 103 [103]; Liversedge, T.N.: USNM: 53 [53 - **156**] - 9 June 1967: Liversedge, T.N.: USNM: 25 [25 - **25**] - 8 July 1967: Goussard, S.W.: USNM: 1 [1 - **1**] - 18 October 1977: Boesneck, J.: SMF: 87 [87 - **87** - **436**].

First Pole Bridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].

Fort Rictfontein, 33 km SSE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Four Rivers Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 15 [15 - **15**] - 7 December 1975: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **16**].

Francis Town, 20 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Francistown: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - 21 August 1965: Muche, B.: HZM: 2, ZFMK: 3 [5 - **5**] - 22 August 1965: Muche, B.: HZM: 1 [1 - **1**] - 23 August 1965: Muche, B.: ZFMK: 1 [1 - **1**] - 8 September 1965: Muche, B.: ZFMK: 1 [1 - **1**] - 9 September 1965: ?: Collector Unknown: USNM: 1 [1]; Muche, B.: ZFMK: 1 [1 - **2**] - 10 September 1965: ?: Collector Unknown: ROM: 1 [1 - **1**] - 11 September 1965: ?: Collector Unknown: ROM: 1 [1 - **1** - **18**].

Francistown, 18 km S: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Francistown, 32 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Francistown-Nata: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Gaberones, 5 mi W: 20 May 1966: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].

Gemsbok Pan: 4 May 1930: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 1 [1 - **1** - **1**].

Ghanzi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Ghanzi, 20 mi NE: 10 July 1966: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].

Ghanzi, 45 km S: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Goha Hills: 15 July 1930: Lang, Herbert: AMNH: 1 [1 - **1** - **1**].

Goho Hills: 10 July 1930: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 4 [4 - **4**] - 15 July 1930: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 1 [1 - **1** - **5**].

Gomoti R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Gomoti R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Gomoti River, Film Camp: 9 April 2009: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 1 [1 - **1** - **1**].

Gomoti River, Highbanks: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1]; Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 1 [1 - **2**] - 11 April 2009: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 1 [1 - **1** - **3**].

Jao [Camp]: Collection Date Unknown: Helgen, Kristofer M.: MCZ: 2 [2 - **2** - **2**].

Kaikai, 20 mi SE: 9 April 1965: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].

Kaikai, 35 km SE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2 - **2** - **2**].

Kanye: 22 September 1941: Arnold, H.J.: TM: 1 [1 - **1**] - 1 March 1956: Zumpt, Frits Konrad Ernst: BMNH: 1 [1 - **1**] - 11 October 1957: Arnold, H.J.: TM: 2 [2 - **2**] - 1 January 1958: Zumpt, Frits Konrad Ernst: ZFMK: 4 [4 - **4** - **8**].

Kaporota Training Camp [site 2]: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Kaporota Training Camp, 5.7 km N: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Kasane: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; Elder, William Hanna: ROM: 2 [2]; Haylock, R.E.: ROM: 5 [5]; KB: ROM: 2 [2 - **11**] - 3 December 1965: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1**] - 6 December 1965: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1**] - 9 December 1965: Smithers, Reay Henry Noble: AMNH: 4 [4 - **4**] - 11 December 1965: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **18**].

Kasungula: 15 May 1966: Haylock, J.: ROM: 1 [1 - **1** - **1**].

Khuis: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2, USNM: 1 [3 - **3** - **3**].

Khutse: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Khwai Lodge, 12.9 km W: 15 October 1971: Archer, T.: ROM: 2 [2 - **2**] - 15 November 1971: Archer, T.: ROM: 3 [3 - **3** - **5**].
Khwai Lodge, 8 km W: 10 October 1971: Archer, T.: ROM: 3 [3 - **3** - **3**].
Khwai Lodge, 9 km W: 10 October 1971: Archer, T.: ROM: 1 [1 - **1** - **1**].
Kurunxaraga: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Kurunxaraga, Cement Camp: 13 December 1981: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kwaai River: 28 August 1963: Geertsema, C.C.: ZMA: 1 [1 - **1** - **1**].
Kwai Mababe Flats: Collection Date Unknown: Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **1**] - 1 June 1930: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 1 [1 - **1** - **2**].
Kwando R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kwebe Hills, 18 mi [=26 km] NW: 18 February 1966: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].
Kwebe Hills, 26 km NW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, USNM: 2 [3 - **3** - **3**].
Lethlaking, 17 km SE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 25 November 1965: Setzer, Henry W.: USNM: 2 [2 - **2** - **3**].
Livingstone Cave: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1**] - 12 May 1951: Larson, Thomas ("Tom"): AMNH: 4 [4 - **4**] - 27 June 1951: Larson, Thomas ("Tom"): AMNH: 2 [2 - **2**] - 28 March 1969: Smithers, Reay Henry Noble: HNHM: 1 [1 - **1** - **8**].
Livingstone's cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lobatsi: 29 May 1966: Liversedge, T.N.: USNM: 3 [3 - **3**] - 30 May 1966: Liversedge, T.N.: USNM: 1 [1 - **1**] - 1 June 1966: Liversedge, T.N.: USNM: 1 [1 - **1** - **5**].
Mabeleapudi: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 14 March 1965: Herbert, H.J.: USNM: 1 [1 - **1** - **2**].
Makalamabedi Resource Area: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Mamuno [= Mamono], 150 mi S: 23 January 1967: Liversedge, T.N.: USNM: 2 [2 - **2**] - 24 January 1967: Liversedge, T.N.: USNM: 2 [2 - **2** - **4**].
Masetsi Bridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Maun: Collection Date Unknown: ?: Collector Unknown: MNHN: 2, NHMZ: 4, ROM: 12, USNM: 4 [22]; Archer, T.: ROM: 1 [1]; Larson, Thomas ("Tom"): AMNH: 1 [1]; V.L.K.E.: TM: 1 [1]; Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **26**] - 5 May 1930: Lang, Herbert; Vernay Expedition, The: FMNH: 1 [1 - **1**] - 23 May 1930: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 2 [2 - **2**] - 25 May 1930: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 2, TM: 1 [3 - **3**] - 28 May 1930: Lang, Herbert; Vernay Expedition, The: FMNH: 2 [2]; Lang, Herbert; Vernay Kalahari Expedition, The: TM: 1 [1 - **3**] - 29 May 1930: Lang, Herbert; Vernay Expedition, The: FMNH: 3 [3]; Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **4**] - 30 May 1930: Lang, Herbert; Vernay Kalahari Expedition, The: AMNH: 1 [1 - **1**] - 31 May 1930: Lang, Herbert; Vernay Expedition, The: FMNH: 2 [2 - **2**] - 4 June 1930: Lang, Herbert; Vernay Expedition, The: FMNH: 1 [1]; Lang, Herbert; Vernay Kalahari Expedition, The: TM: 1 [1 - **2**] - 13 September 1950: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 26 September 1950: Larson, Thomas ("Tom"): AMNH: 62, KU: 2, MVZ: 10 [74 - **74**] - 28 September 1950: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 20 October 1950: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 29 November 1950: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 29 December 1955: Zumpt, Frits Konrad Ernst: SMNS: 1 [1 - **1**] - 3 September 1963: RN: FMNH: 1 [1 - **1**] - 26 February 1964: ?: Collector Unknown: ROM: 1 [1 - **1**] - 3 March 1965: Davis, R.M.: USNM: 1 [1]; Herbert, H.J.: USNM: 2 [2 - **3**] - 4 March 1965: Davis, R.M.: USNM: 10 [10]; Herbert, H.J.: USNM: 10 [10 - **20**] - 17 June 1967: Liversedge, T.N.: USNM: 2 [2 - **2**] - 20 June 1967: Liversedge, T.N.: USNM: 2 [2 - **2**] - 27 July 1967: ?: Collector Unknown: ROM: 1 [1 - **1**] - 3 September 1967: Smithers, Reay Henry Noble: ROM: 1 [1 - **1**] - 19 September 1967: ?: Collector Unknown: ROM: 1 [1]; Smithers, Reay Henry Noble: SMF: 1 [1]; Wilson, Vivian J.: AMNH: 1 [1 - **3**] - 20 September 1967: ?: Collector Unknown: ROM: 3 [3]; Smithers, Reay Henry Noble: ROM: 1 [1 - **4**] - 21 September 1967: Wilson, Vivian J.: AMNH: 1 [1 - **1**] - 25 September 1967: ?: Collector Unknown: ROM: 2 [2 - **2**] - 6 October 1967: ?: Collector Unknown: ROM: 1 [1 - **1**] - 30 November 1967: ?: Collector Unknown: ROM: 6 [6]; Smithers, Reay Henry Noble: ROM: 2 [2 - **8**] - 1 December 1967: ?: Collector Unknown: ROM: 1 [1 - **1**] - 3 December 1967: ?: Collector Unknown: ROM: 2 [2]; Smithers, Reay Henry Noble: ROM: 1 [1 - **3**] - 6 December 1967: ?: Collector Unknown: ROM: 1 [1 - **1**] - 13 December 1967: ?: Collector Unknown: ROM: 1 [1 - **1**] - 21 December 1967: Smithers, Reay Henry Noble: ROM: 1 [1 - **1**] - 6 March 1968: Smithers, Reay Henry Noble: ROM: 1 [1 - **1**] - 28 March 1968: Wilson, Vivian J.: AMNH: 2 [2 - **2**] - 29 March 1968: Wilson, Vivian J.: AMNH: 2 [2 - **2**] - 16 May 1968: ?: Collector Unknown: ROM: 1 [1]; Smithers, Reay Henry Noble: ROM: 2 [2]; Wilson, Vivian J.: AMNH: 7 [7 - **10**] - 17 May 1968: Smithers, Reay Henry Noble: ROM: 1 [1]; Wilson, Vivian J.: AMNH: 1 [1 - **2**] - 20 May 1968: Smithers, Reay Henry Noble: ROM: 1 [1]; Wilson, Vivian J.: AMNH: 2 [2 - **3**] - 3 September 1968: ?: Collector Unknown: ROM: 2 [2 - **2**] - 26 March 1969: ?: Collector Unknown: ROM: 1 [1 - **1**] - 22 April 1969: ?: Collector Unknown: ROM: 1 [1]; Smithers, Reay Henry Noble: ROM: 1 [1 - **2**] - 2 December 1969: ?: Collector Unknown: ROM: 4 [4 - **4**] - 20 June 1970: RN: FMNH: 1 [1 - **1**] - 8 June 1971: Archer, T.: ROM: 1 [1 - **1**] - 10 June 1971: Archer, T.: ROM: 1 [1 - **1**] - 17 January 1976: ?: Collector Unknown: USNM: 4 [4 - **4** - **216**].
Maun, 12 km NE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Maun,12 km NE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mawn: 29 May 1930: ?: Collector Unknown: MCZ: 1 [1 - **1** - **1**].
Mohembo: Collection Date Unknown: Larson, Thomas ("Tom"): MVZ: 2 [2 - **2**] - 1 December 1950: Larson, Thomas ("Tom"): AMNH: 2 [2 - **2**] - 9 December 1950: Larson, Thomas ("Tom"): AMNH: 10, KU: 4 [14 - **14** - **18**].
Molepolole: Collection Date Unknown: Larson, Thomas ("Tom"): MVZ: 16 [16 - **16**] - 22 April 1920: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1**] - 30 April 1950: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1**] - 7 May 1950: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 12 May 1950: Larson, Thomas ("Tom"): AMNH: 13, MVZ: 5 [18 - **18**] - 15 May 1950: Larson, Thomas ("Tom"): AMNH: 2 [2 - **2**] - 16 June 1950: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1**] - 25 June 1950: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1**] - 26 June 1950: Larson, Thomas ("Tom"): MVZ: 2 [2 - **2**] - 27 June 1950: Larson, Thomas ("Tom"): MVZ: 3 [3 - **3**] - 18 July 1950: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1**] - 10 October 1950: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 12 May 1951: Larson, Thomas ("Tom"): AMNH: 30 [30 - **30** - **78**].
Mopipi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Moremi Game Reserve: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 25 August 1963: Geertsema, C.C.: ZMA: 1 [1 - **1** - **2**].
Moremi GR, Khwai R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Mumpswe Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Musu: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Nata: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2 - **2**] - 25 April 1965: Davis, R.M.: USNM: 1 [1]; Herbert, H.J.: USNM: 1 [1 - **2**] - 26 April 1965: Davis, R.M.: USNM: 1 [1]; Herbert, H.J.: USNM: 2 [2 - **3** - **7**].
Nata R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Nata R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nekate [= N'kate, Nekati]: 16 August 1930: Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **1** - **1**].
Ngami, lake: Collection Date Unknown: Woosnam, R.B.: BMNH: 1 [1 - **1** - **1**].
Ngamiland: 5 February 1969: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].
Ngoma, Chobe R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nitani: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
N'kata: 1 August 1930: Lang, Herbert; Vernay Expedition, The: FMNH: 1 [1 - **1** - **1**].
Nokaneng, 15 mi N: 22 June 1967: Goussard, S.W.: USNM: 1 [1 - **1**] - 24 June 1967: Goussard, S.W.: USNM: 1 [1 - **1**] - 25 June 1967: Goussard, S.W.: USNM: 3 [3]; Liversedge, T.N.: USNM: 2 [2 - **5** - **7**].
Nokaneng, 21 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, USNM: 2 [3 - **3** - **3**].
Nthane: Collection Date Unknown: ?: Collector Unknown: NHMZ: 11 [11 - **11** - **11**].
Nunga: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Nxai Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Okovango River Lodge: 15 July 1987: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Pandamatenga, 130 km SW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Pandamatenga, 140 km SW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Pom Pom: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Pom Pom Okovango: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Savuti R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Savuti R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Sehitwa, 16 km SW: Collection Date Unknown: ?: Collector Unknown: USNM: 3 [3 - **3** - **3**].
Sehitwa, 22 km W: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3, USNM: 2 [5 - **5** - **5**].
Sehitwa,10 mi [=16 km] SW: 7 March 1965: Davis, R.M.: USNM: 8 [8]; Herbert, H.J.: USNM: 7 [7 - **15**] - 9 March 1965: Davis, R.M.: USNM: 3 [3]; Herbert, H.J.: USNM: 4 [4 - **7**] - 10 March 1965: Davis, R.M.: USNM: 1 [1 - **1**] - 11 March 1965: Davis, R.M.: USNM: 2 [2]; Herbert, H.J.: USNM: 2 [2 - **4** - **27**].
Sehitwa,16 km SW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Selinda Spillway: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - 25 June 1967: Smithers, Reay Henry Noble: ROM: 1 [1 - **1** - **4**].
Sepopa: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4, USNM: 1 [5]; Goussard, S.W.: USNM: 1 [1]; Liversedge, T.N.: USNM: 1 [1 - **7**] - 17 April 1967: Liversedge, T.N.: USNM: 2 [2 - **2**] - 18 April 1967: Goussard, S.W.: USNM: 1 [1 - **1**] - 19 April 1967: Liversedge, T.N.: USNM: 1 [1 - **1**] - 20 April 1967: Liversedge, T.N.: USNM: 1 [1 - **1**] - 22 April 1967: Liversedge, T.N.: USNM: 1 [1 - **1** - **13**].
Sepope: Collection Date Unknown: Liverseage, T.M.: USNM: 1 [1 - **1** - **1**].
Seronga, 116.5 km ESE: 31 May 1971: Archer, T.: ROM: 1 [1 - **1** - **1**].
Seronga, 72 km ESE: Collection Date Unknown: Archer, T.: ROM: 1 [1 - **1**] - 31 May 1971: Archer, T.: ROM: 6 [6 - **6**] - 25 October 1971: Archer, T.: ROM: 1 [1 - **1**] - 26 October 1971: Archer, T.: ROM: 1 [1 - **1**] - 27 October 1971: Archer, T.: ROM: 1 [1 - **1** - **10**].
Serowe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Serowe, 40 km NW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Serowe, 40 mi NW: 4 December 1966: Smithers, Reay Henry Noble: HZM: 2 [2 - **2** - **2**].
Serowe, sewage ponds: 4 October 1988: Forchhammer, Per: WAM: 2 [2 - **2** - **2**].
Serowe, village 2 km from: 4 October 1988: Forchhammer, Per: WAM: 1 [1 - **1** - **1**].
Serowe,40 km NW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Serula: 26 June 1967: NMR: USNM: 2 [2 - **2** - **2**].
Seruli: 26 June 1967: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].
Shakawe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2]; Goussard, S.W.: USNM: 4 [4]; Liversedge, T.N.: USNM: 6 [6 - **12**] - 5 October 1950: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 10 October 1950: Larson, Thomas ("Tom"): KU: 1 [1 - **1**] - 25 November 1950: Larson, Thomas ("Tom"): AMNH: 3 [3 - **3**] - 21 February 1964: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - 5 May 1967: Goussard, S.W.: USNM: 1 [1]; Liversedge, T.N.: USNM: 2 [2 - **3**] - 6 May 1967: Goussard, S.W.: USNM: 1 [1 - **1**] - 7 May 1967: Liversedge, T.N.: USNM: 6 [6 - **6**] - 8 May 1967: Liversedge, T.N.: USNM: 1 [1 - **1**] - 10 May 1967: Goussard, S.W.: USNM: 1 [1]; Liversedge, T.N.: USNM: 2 [2 - **3**] - 5 February 1969: Larson, Thomas ("Tom"): AMNH: 18 [18 - **18** - **50**].
Shakawe, 15 mi [=24 km] S: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S: 23 May 1967: Goussard, S.W.: USNM: 1 [1 - **1**] - 24 May 1967: Goussard, S.W.: USNM: 2 [2 - **2**] - 28 May 1967: Goussard, S.W.: USNM: 17 [17]; Liversedge, T.N.: USNM: 8 [8 - **25**] - 29 May 1967: Goussard, S.W.: USNM: 4 [4 - **4** - **32**].
Shakawe, 70 km SW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4, USNM: 3 [7 - **7** - **7**].
Shakawe, near: 5 February 1969: Larson, Thomas ("Tom"): AMNH: 7 [7 - **7** - **7**].
Shishikofa: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Shorobe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sokwana: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sukwane, Botletle R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sumsum: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Tamafuhi: 1 July 1964: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].
Tamafupi: 1 July 1964: Smithers, Reay Henry Noble: HZM: 2 [2 - **2**] - 4 September 1966: Liversedge, T.N.: USNM: 2 [2 - **2** - **4**].
Tamafupi, 33 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2, USNM: 3 [5 - **5** - **5**].
Toromoja: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Toten: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Toteng: 19 August 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
Tsabong: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Tsane: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Tsane, 25 mi ENE: 29 January 1967: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].
Tsane, 32 km ENE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Tsane, Camp 8: 7 June 1957: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - 23 January 1961: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - 24 February 1961: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - 18 November 1961: Haacke, W.D.; Prozesky, O.P.M.: USNM: 1 [1 - **1**] - 19 November 1961: Haacke, W.D.; Prozesky, O.P.M.: USNM: 8 [8 - **8**] - 20 November 1961: Haacke, W.D.; Prozesky, O.P.M.: USNM: 10 [10 - **10** - **22**].

Tsanogo: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Tsau: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 1 January 1953: Cope, J.: FMNH: 1 [1 - **1**] - 20 March 1965: Davis, R.M.: USNM: 3 [3]; Herbert, H.J.: USNM: 3 [3 - **6**] - 22 March 1965: Davis, R.M.: USNM: 2 [2]; Herbert, H.J.: USNM: 3 [3 - **5**] - 24 March 1965: Herbert, H.J.: USNM: 1 [1 - **1**] - 25 March 1965: Herbert, H.J.: USNM: 1 [1 - **1**] - 27 March 1965: Herbert, H.J.: USNM: 4 [4 - **4** - **19**].

Tshana: 24 November 1965: Hepplewhite, R.D.: USNM: 2 [2]; Liversedge, T.N.: USNM: 3 [3]; Setzer, Henry W.: USNM: 8 [8 - **13**] - 25 November 1965: Hepplewhite, R.D.: USNM: 2 [2]; Liversedge, T.N.: USNM: 3 [3]; Setzer, Henry W.: USNM: 2 [2 - **7** - **20**].

Tsigara: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Tsodilo Hills: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 26 April 1967: Goussard, S.W.: USNM: 4 [4]; Liversedge, T.N.: USNM: 4 [4 - **8**] - 27 April 1967: Goussard, S.W.: USNM: 1 [1]; Liversedge, T.N.: USNM: 1 [1 - **2**] - 29 April 1967: Liversedge, T.N.: USNM: 2 [2 - **2**] - 30 April 1967: Liversedge, T.N.: USNM: 4 [4 - **4**] - 1 May 1967: Goussard, S.W.: USNM: 3 [3]; Liversedge, T.N.: USNM: 3 [3 - **6** - **23**].

Tsodilo Hills: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Tsodllo Hills: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Tsohorogo: 19 June 1930: ?: Collector Unknown: MCZ: 1 [1 - **1** - **1**].

Tsum Tsum: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].

Tuli Block, Gesond Ltd: 16 June 1964: Prozesky, O.P.M.;Coetzee, C.G.;White, A.G.;Haacke, W.;Goode, G.;Stenyard, U.;Tuli Block Exp., the: TM: 1 [1 - **1**] - 17 June 1964: Prozesky, O.P.M.;Coetzee, C.G.;White, A.G.;Haacke, W.;Goode, G.;Stenyard, U.;Tuli Block Exp., the: TM: 3 [3 - **3**] - 19 June 1964: Prozesky, O.P.M.;Coetzee, C.G.;White, A.G.;Haacke, W.;Goode, G.;Stenyard, U.;Tuli Block Exp., the: TM: 1 [1 - **1** - **5**].

Vloorskop: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Xugana: Collection Date Unknown: ?: Collector Unknown: USNM: 11 [11]; Archer, A.L.: USNM: 2 [2]; Carter, W.T.: USNM: 5 [5 - **18**] - 16 November 1975: Archer, A.L.; Williams, A.E.: USNM: 3 [3 - **3**] - 17 November 1975: Archer, A.L.; Williams, A.E.: USNM: 2 [2 - **2**] - 18 November 1975: Archer, A.L.; Williams, A.E.: USNM: 1 [1 - **1**] - 19 November 1975: Archer, A.L.; Williams, A.E.: USNM: 4 [4 - **4**] - 20 November 1975: Archer, A.L.; Williams, A.E.: USNM: 12 [12 - **12**] - 22 November 1975: Archer, A.L.; Williams, A.E.: USNM: 5 [5 - **5**] - 23 November 1975: Archer, A.L.; Williams, A.E.: USNM: 1 [1 - **1**] - 24 November 1975: Archer, A.L.: USNM: 1 [1]; Archer, A.L.; Williams, A.E.: USNM: 10 [10 - **11**] - 25 November 1975: Archer, A.L.; Williams, A.E.: USNM: 3 [3 - **3**] - 26 November 1975: Archer, A.L.: USNM: 6 [6]; Archer, A.L.; Williams, A.E.: USNM: 3 [3 - **9**] - 29 November 1975: Archer, A.L.: USNM: 3 [3 - **3**] - 30 November 1975: Archer, A.L.: USNM: 6 [6 - **6**] - 3 December 1975: Archer, A.L.: USNM: 1 [1 - **1**] - 4 December 1975: Archer, A.L.: USNM: 5 [5 - **5**] - 5 December 1975: Archer, A.L.: USNM: 1 [1 - **1**] - 7 December 1975: Archer, A.L.; Williams, A.E.: USNM: 1 [1 - **1**] - 8 December 1975: Archer, A.L.: USNM: 1 [1 - **1**] - 9 December 1975: Archer, A.L.: USNM: 5 [5]; Archer, A.L.; Williams, A.E.: USNM: 2 [2 - **7**] - 12 December 1975: Archer, A.L.: USNM: 2 [2 - **2** - **96**].

Xugana Island: 10 July 1984: Goodwin, Robert E.: AMNH: 1 [1 - **1**] - 15 July 1984: Goodwin, Robert E.: AMNH: 7 [7 - **7**] - 18 July 1984: Goodwin, Robert E.: AMNH: 2 [2 - **2** - **10**].

Xugana Island, Splash Camp: 10 July 1984: Goodwin, Robert E.: AMNH: 5 [5 - **5** - **5**].

Xugana, 11 km W: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Xugana, 13 mi [=17 km] N: 27 November 1975: Dandridge, D.: USNM: 3 [3 - **3**] - 4 December 1975: Archer, A.L.: USNM: 11 [11]; Archer, A.L.; Williams, A.E.: USNM: 9 [9 - **20**] - 7 December 1975: Archer, A.L.: USNM: 1 [1]; Archer, A.L.; Williams, A.E.: USNM: 8 [8 - **9** - **32**].

Xugana, 17 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].

Zelu, 3 mi [=4.8 km] W: 15 April 1966: Liversedge, T.N.: USNM: 1 [1 - **1** - **1**].

Total Specimens for Botswana: 1598

Burkina Faso

Unknown locality: Collection Date Unknown: BMNH: 9, SMF: 2 [11 - **11**] - 28 January 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 23 June 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 24 June 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 28 June 1980: Koch-Weser, Sylvia: SMF: 6 [6 - **6**] - 5 July 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 6 July 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 9 July 1980: Koch-Weser, Sylvia: SMF: 3 [3 - **3**] - 12 July 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 14 July 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 16 July 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 19 July 1980: Koch-Weser, Sylvia: SMF: 4 [4 - **4**] - 3 August 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 7 August 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 16 August 1980: Koch-Weser, Sylvia: SMF: 17 [17 - **17**] - 22 August 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 23 August 1980: ?: Collector Unknown: SMF: 1 [1]; Koch-Weser, Sylvia: SMF: 1 [1 - **2**] - 31 August 1980: Koch-Weser, Sylvia: SMF: 3 [3 - **3**] - 10 September 1980: Koch-Weser, Sylvia: SMF: 3 [3 - **3**] - 14 September 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 20 September 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 21 September 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 26 September 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 6 October 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 7 October 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 12 October 1980: Koch-Weser, Sylvia: SMF: 3 [3 - **3**] - 20 October 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 31 October 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 4 November 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 5 November 1980: Koch-Weser, Sylvia: SMF: 10 [10 - **10**] - 14 November 1980: Koch-Weser, Sylvia: SMF: 7 [7 - **7**] - 24 November 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 1 January 1981: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 January 1981: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 3 January 1981: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 10 January 1981: Koch-Weser, Sylvia: SMF: 3 [3 - **3**] - 21 June 1985: ?: Collector Unknown: SMF: 2 [2 - **2** - **108**].

Arly: 13 November 1968: Vaden, R.E.: USNM: 1, ZMA: 1 [2 - **2**] - 14 November 1968: Vaden, R.E.: RMCA: 1, USNM: 41 [42 - **42** - **44**].

Arly National Park: 14 November 1968: Vaden, R.E.: USNM: 39 [39 - **39**] - 30 January 1973: Mumford, Russell E.: ROM: 1 [1 - **1**] - 3 February 1973: Mumford, Russell E.: ROM: 1 [1 - **1** - **41**].

Bam province: 27 September 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Barga, 9 km NE: 1 March 1969: Vaden, R.E.: USNM: 2 [2 - **2**] - 2 March 1969: Vaden, R.E.: RMCA: 2, USNM: 26 [28 - **28** - **30**].
Bobo-Dioulasso: 14 May 1966: Hamon: MNHN: 1 [1 - **1** - **1**].
Bontioli: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Boromo: 29 December 1972: Heisterberg, Jon F.: USNM: 5 [5 - **5** - **5**].
Bougouriba province: 13 September 1980: Koch-Weser, Sylvia: SMF: 5 [5 - **5** - **5**].
Boussouma, 5 km N: 12 February 1969: Vaden, R.E.: USNM: 3 [3 - **3** - **3**].
Cella, 1 km N: 11 March 1969: Vaden, R.E.: RMCA: 1, USNM: 16 [17 - **17**] - 13 March 1969: Vaden, R.E.: USNM: 10 [10 - **10**] - 14 March 1969: Vaden, R.E.: USNM: 8 [8 - **8**] - 15 March 1969: Vaden, R.E.: USNM: 5 [5 - **5**] - 12 May 1969: Vaden, R.E.: USNM: 1 [1 - **1** - **41**].
Comoe River: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Diebougou: 8 September 1980: Koch-Weser, Sylvia: SMF: 10 [10 - **10**] - 11 September 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **11**].
Dio: 22 February 1969: Vaden, R.E.: USNM: 10 [10 - **10** - **10**].
Dionga: 6 October 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 7 October 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **2**].
Djipologo: 8 July 1969: Vaden, R.E.: USNM: 21 [21 - **21**] - 9 July 1969: Vaden, R.E.: USNM: 27 [27 - **27**] - 10 July 1969: Vaden, R.E.: USNM: 4 [4 - **4**] - 12 July 1969: Vaden, R.E.: USNM: 4 [4 - **4** - **56**].
Fada Ngourma: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Fô: 11 June 1969: Vaden, R.E.: USNM: 22 [22 - **22**] - 14 June 1969: Vaden, R.E.: USNM: 27 [27 - **27** - **49**].
Founzan: 12 May 1969: Vaden, R.E.: USNM: 1 [1 - **1**] - 13 May 1969: Vaden, R.E.: USNM: 10 [10 - **10**] - 14 May 1969: Vaden, R.E.: USNM: 60 [60 - **60**] - 15 May 1969: Vaden, R.E.: USNM: 1 [1 - **1**] - 16 May 1969: Vaden, R.E.: USNM: 4 [4 - **4**] - 17 May 1969: Vaden, R.E.: USNM: 6 [6 - **6** - **82**].
Goden: 18 November 1968: Vaden, R.E.: RMCA: 1, USNM: 32 [33 - **33**] - 19 November 1968: Vaden, R.E.: RMCA: 4, USNM: 53 [57 - **57** - **90**].
Gorgadji, 17 km E: 8 February 1969: Vaden, R.E.: USNM: 6 [6 - **6**] - 10 February 1969: Vaden, R.E.: USNM: 5 [5 - **5** - **11**].
Kadiogo province: 3 September 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 6 September 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 9 November 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 7 December 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **4**].
Kénédougou province: 2 August 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 3 August 1980: Koch-Weser, Sylvia: SMF: 3 [3 - **3** - **5**].
Konankira: 6 May 1969: Vaden, R.E.: USNM: 44 [44 - **44**] - 7 May 1969: Vaden, R.E.: USNM: 5 [5 - **5**] - 8 May 1969: Vaden, R.E.: USNM: 3 [3 - **3** - **52**].
Kossi province: 4 November 1980: Koch-Weser, Sylvia: SMF: 3 [3 - **3** - **3**].
Koumbia: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Koutoura, 5 km SW: 22 June 1969: Vaden, R.E.: USNM: 20 [20 - **20**] - 23 June 1969: Vaden, R.E.: USNM: 10 [10 - **10**] - 24 June 1969: Vaden, R.E.: USNM: 1 [1 - **1**] - 25 June 1969: Vaden, R.E.: USNM: 5 [5 - **5** - **36**].
Lawra: Collection Date Unknown: Cansdale, George Soper: BMNH: 2 [2 - **2** - **2**].
Markoye, 30 km N: 4 February 1969: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].
Nahouri province: 3 January 1981: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].
Natiaboani: 9 December 1968: Vaden, R.E.: RMCA: 3, USNM: 1 [4 - **4**] - 10 December 1968: Vaden, R.E.: RMCA: 2, USNM: 24 [26 - **26**] - 11 December 1968: Vaden, R.E.: RMCA: 1, USNM: 39 [40 - **40**] - 12 December 1968: Vaden, R.E.: USNM: 67 [67 - **67**] - 14 December 1968: Vaden, R.E.: USNM: 4, ZMA: 1 [5 - **5** - **142**].
Nayouré: 17 March 1969: Vaden, R.E.: RMCA: 1, USNM: 1 [2 - **2** - **2**].
Nayouré, 3 km SE: 17 March 1969: Vaden, R.E.: USNM: 60 [60 - **60** - **60**].
Nazinga: 31 May 1988: Van der Wal, M.: ZMA: 1 [1 - **1** - **1**].
Nazinga: 1 May 1988: Van der Wal, M.: ZMA: 3 [3 - **3**] - 31 May 1988: Van de Wal, M.: ZMA: 1 [1 - **1** - **4**].
Nobere, 1 km S: Collection Date Unknown: Mumford, Russell E.: ROM: 3 [3 - **3**] - 30 August 1972: Mumford, Russell E.: ROM: 1 [1 - **1**] - 13 September 1972: Mumford, Russell E.: ROM: 1 [1 - **1** - **5**].
Nobéré, 1 km S: 30 August 1972: Heisterberg, Jon F.: USNM: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - 31 August 1972: Heisterberg, Jon F.: USNM: 1 [1 - **1**] - 1 September 1972: Heisterberg, Jon F.: AMNH: 1, USNM: 1 [2]; Mumford, Russell E.: ROM: 1 [1 - **3**] - 2 September 1972: Mumford, Russell E.: ROM: 1 [1 - **1**] - 4 September 1972: Heisterberg, Jon F.: AMNH: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - 7 September 1972: Heisterberg, Jon F.: AMNH: 1 [1 - **1**] - 12 September 1972: Heisterberg, Jon F.: USNM: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - 14 September 1972: Mumford, Russell E.: ROM: 1 [1 - **1**] - 17 November 1972: Heisterberg, Jon F.: USNM: 1 [1 - **1**] - 27 November 1972: Heisterberg, Jon F.: USNM: 6 [6 - **6**] - 1 December 1972: Heisterberg, Jon F.: USNM: 3 [3 - **3**] - 4 December 1972: Heisterberg, Jon F.: USNM: 1 [1 - **1**] - 14 December 1972: Heisterberg, Jon F.: USNM: 1 [1 - **1**] - 8 November 1973: Heisterberg, Jon F.: AMNH: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - 15 November 1973: Heisterberg, Jon F.: AMNH: 1 [1 - **1**] - 18 November 1973: Mumford, Russell E.: ROM: 1 [1 - **1**] - 19 November 1973: Mumford, Russell E.: ROM: 1 [1 - **1**] - 24 November 1973: Heisterberg, Jon F.: AMNH: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - 23 February 1974: Heisterberg, Jon F.: AMNH: 1 [1 - **1**] - 4 April 1974: Mumford, Russell E.: ROM: 1 [1 - **1** - **34**].
Nobere, 1.5 km S: Collection Date Unknown: Mumford, Russell E.: ROM: 12 [12 - **12**] - 17 November 1973: Mumford, Russell E.: ROM: 1 [1 - **1**] - 18 November 1973: Mumford, Russell E.: ROM: 2 [2 - **2**] - 4 April 1974: Mumford, Russell E.: ROM: 1 [1 - **1** - **16**].
Nobere, 11 km S: 16 January 1975: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Nobere, 12 km S: 19 November 1974: Mumford, Russell E.: ROM: 3 [3 - **3**] - 20 November 1974: Mumford, Russell E.: ROM: 4 [4 - **4** - **7**].
Nobéré, 12 km S: 19 November 1974: Heisterberg, B.L.: AMNH: 1 [1 - **1** - **1**].
Nobéré, 2 km S: 12 October 1974: Mumford, Russell E.: ROM: 1 [1 - **1**] - 30 October 1974: Mumford, Russell E.: ROM: 1 [1 - **1**] - 22 January 1975: Mumford, Russell E.: ROM: 1 [1 - **1**] - 25 January 1975: Mumford, Russell E.: ROM: 1 [1 - **1** - **4**].
Nobéré, 9 mi S: 8 November 1968: Setzer, Henry W.: USNM: 2 [2 - **2**] - 9 November 1968: Vaden, R.E.: USNM: 4 [4 - **4**] - 10 November 1968: Vaden, R.E.: USNM: 3 [3 - **3** - **9**].
Nouna: 1 May 1965: Ermert, A.: SMF: 1 [1]; Ernest, A.: SMF: 2 [2 - **3**] - 4 November 1980: Koch-Weser, Sylvia: SMF: 2 [2 - **2** - **5**].
Orodara, 27 km ENE: 17 June 1969: Vaden, R.E.: USNM: 1 [1 - **1**] - 18 June 1969: Vaden, R.E.: USNM: 19 [19 - **19**] - 19 June 1969: Vaden, R.E.: USNM: 16 [16 - **16**] - 20 June 1969: Vaden, R.E.: USNM: 36 [36 - **36** - **72**].
Ouagadougou: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 15 January 1969: Vaden, R.E.: USNM: 14 [14 - **14**] - 16 January 1969: Vaden, R.E.: USNM: 10 [10 - **10**] - 17 January 1969: Vaden, R.E.: USNM: 2 [2 - **2**] - 27 April

1969: Vaden, R.E.: USNM: 8 [8 - **8**] - 9 November 1980: Koch-Weser, Sylvia: SMF: 3 [3 - **3**] - 1 July 1983: ?: Collector Unknown: MNHN: 1 [1 - **1** - **39**].

Ouagadougou and Bobodioulasso, village between: Collection Date Unknown: ?: Collector Unknown: MNHN: 11 [11 - **11** - **11**].

Ougarou: 23 March 1969: Vaden, R.E.: USNM: 14 [14 - **14**] - 24 March 1969: Vaden, R.E.: USNM: 1 [1 - **1**] - 25 March 1969: Vaden, R.E.: USNM: 9 [9 - **9** - **24**].

Oulo: 3 May 1969: LeDuc, James W.: USNM: 1 [1]; Vaden, R.E.: USNM: 85 [85 - **86**] - 4 May 1969: Vaden, R.E.: USNM: 39 [39 - **39**] - 6 May 1969: Vaden, R.E.: USNM: 1 [1 - **1** - **126**].

Oursi: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].

Park National de Pô: 20 January 1975: Mumford, Russell E.: ROM: 2 [2 - **2**] - 21 January 1975: Mumford, Russell E.: ROM: 4 [4 - **4** - **6**].

Pétoye: 30 January 1969: Vaden, R.E.: USNM: 45 [45 - **45**] - 30 June 1969: Vaden, R.E.: RMCA: 2 [2 - **2** - **47**].

Piyiri, 7 km N: 6 October 1974: Mumford, Russell E.: ROM: 3 [3 - **3** - **3**].

Red Volta River: 20 January 1975: Heisterberg, Jon F.: AMNH: 1 [1 - **1** - **1**].

Seguenega, 6 km SE: 7 March 1969: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].

Séno province: 8 October 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].

Sideradougou: 29 June 1969: Vaden, R.E.: USNM: 15 [15 - **15**] - 30 June 1969: Vaden, R.E.: USNM: 13 [13 - **13**] - 2 July 1969: Vaden, R.E.: USNM: 1 [1 - **1** - **29**].

Sidéradougou: 29 June 1969: Vaden, R.E.: USNM: 1 [1 - **1**] - 30 June 1969: Vaden, R.E.: USNM: 5 [5 - **5**] - 1 July 1969: Vaden, R.E.: USNM: 21 [21 - **21**] - 2 July 1969: Vaden, R.E.: USNM: 2 [2 - **2** - **29**].

Soum province: Collection Date Unknown: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 25 September 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **2**].

Tambao: 14 August 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 16 August 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1**] - 10 January 1981: Koch-Weser, Sylvia: SMF: 2 [2 - **2**] - 19 July 1981: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **5**].

Tatarko: 25 January 1968: Vaden, R.E.: USNM: 1 [1 - **1**] - 25 January 1969: Vaden, R.E.: RMCA: 1, USNM: 18 [19 - **19**] - 26 January 1969: Vaden, R.E.: USNM: 1 [1 - **1**] - 27 January 1969: Vaden, R.E.: USNM: 1 [1 - **1** - **22**].

Tazawat: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Burkina Faso: 1416

Burundi

Unknown locality: 1 January 1965: MHNG: 1 [1 - **1**] - 3 March 1965: Niort, P.L.: MHNG: 2 [2 - **2**] - 13 November 1978: Roest, F.C.: RMNH: 1 [1 - **1**] - 3 March 1979: Stephan, Heinz: SMF: 3 [3 - **3**] - 15 March 1979: Stephan, Heinz: SMF: 1 [1 - **1** - **8**].

Buhonga: 2 June 1970: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Buhoro: 21 December 1970: Niort, P.L.: MHNG: 8 [8 - **8** - **8**].

Bujumbura: Collection Date Unknown: : SMF: 1 [1]; Kiss: RMCA: 145 [145]; Verschuren, Jacques: RBINS: 1 [1 - **147**] - 1 January 1928: Douce: RMCA: 1 [1 - **1**] - 25 October 1967: Niort, P.L.: MHNG: 1 [1 - **1**] - 26 October 1967: Niort, P.L.: MHNG: 1 [1 - **1**] - 29 October 1967: Niort, P.L.: MHNG: 2 [2 - **2**] - 6 November 1967: Niort, P.L.: MHNG: 2 [2 - **2**] - 9 November 1967: Niort, P.L.: MHNG: 1 [1 - **1**] - 11 November 1967: Niort, P.L.: MHNG: 4 [4 - **4**] - 22 November 1967: Niort, P.L.: MHNG: 5 [5 - **5**] - 29 November 1967: Niort, P.L.: MHNG: 1 [1 - **1**] - 1 December 1967: Niort, P.L.: MHNG: 2 [2 - **2**] - 5 December 1967: Niort, P.L.: MHNG: 2 [2 - **2**] - 14 December 1967: Niort, P.L.: MHNG: 1 [1 - **1**] - 15 December 1967: Niort, P.L.: MHNG: 1 [1 - **1**] - 1 January 1968: Niort, P.L.: MHNG: 1 [1 - **1**] - 12 January 1968: Niort, P.L.: MHNG: 1 [1 - **1**] - 13 January 1968: Niort, P.L.: MHNG: 3 [3 - **3**] - 6 June 1968: Niort, P.L.: MHNG: 2 [2 - **2**] - 1 July 1968: Lewall: RMCA: 5 [5 - **5**] - 18 October 1968: Niort, P.L.: MHNG: 4 [4 - **4**] - 23 October 1968: Niort, P.L.: MHNG: 1 [1 - **1**] - 1 November 1968: Niort, P.L.: MHNG: 2 [2 - **2**] - 9 November 1968: Niort, P.L.: MHNG: 1 [1 - **1**] - 10 November 1968: Lewall: RMCA: 1 [1 - **1**] - 12 November 1968: Niort, P.L.: MHNG: 1 [1 - **1**] - 5 December 1968: Niort, P.L.: MHNG: 3 [3 - **3**] - 6 December 1968: Niort, P.L.: MHNG: 1 [1 - **1**] - 13 December 1968: Niort, P.L.: MHNG: 1 [1 - **1**] - 26 December 1968: Niort, P.L.: MHNG: 1 [1 - **1**] - 31 January 1969: Niort, P.L.: MHNG: 1 [1 - **1**] - 8 March 1969: Niort, P.L.: MHNG: 1 [1 - **1**] - 20 May 1969: Niort, P.L.: MHNG: 3 [3 - **3**] - 12 November 1969: Niort, P.L.: MHNG: 5 [5 - **5**] - 14 November 1969: Niort, P.L.: MHNG: 3 [3 - **3**] - 15 November 1969: Niort, P.L.: MHNG: 1 [1 - **1**] - 31 December 1969: Niort, P.L.: MHNG: 1 [1 - **1**] - 5 January 1970: Niort, P.L.: MHNG: 2 [2 - **2**] - 6 January 1970: Niort, P.L.: MHNG: 1 [1 - **1**] - 7 January 1970: Niort, P.L.: MHNG: 1 [1 - **1**] - 9 January 1970: Niort, P.L.: MHNG: 2 [2 - **2**] - 24 January 1970: Niort, P.L.: MHNG: 1 [1 - **1**] - 26 January 1970: Niort, P.L.: MHNG: 1 [1 - **1**] - 2 February 1970: Niort, P.L.: MHNG: 2 [2 - **2**] - 17 February 1970: Niort, P.L.: MHNG: 1 [1 - **1**] - 26 February 1970: Niort, P.L.: MHNG: 2 [2 - **2**] - 10 March 1970: Niort, P.L.: MHNG: 3 [3 - **3**] - 20 May 1970: Niort, P.L.: MHNG: 2 [2 - **2**] - 26 November 1970: Niort, P.L.: MHNG: 2 [2 - **2**] - 28 January 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 29 January 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 10 March 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 3 June 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 4 June 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 1 January 1972: Niort, P.L.: MHNG: 1 [1 - **1**] - 5 January 1972: Niort, P.L.: MHNG: 1 [1 - **1**] - 24 January 1972: Niort, P.L.: MHNG: 1 [1 - **1**] - 31 January 1972: Niort, P.L.: MHNG: 1 [1 - **1**] - 6 February 1972: Niort, P.L.: MHNG: 2 [2 - **2**] - 30 March 1972: Niort, P.L.: MHNG: 2 [2 - **2**] - 15 August 1972: Niort, P.L.: MHNG: 1 [1 - **1**] - 17 September 1972: Niort, P.L.: MHNG: 1 [1 - **1**] - 16 November 1972: Niort, P.L.: MHNG: 1 [1 - **1**] - 24 January 1973: Niort, P.L.: MHNG: 1 [1 - **1**] - 3 February 1973: Niort, P.L.: MHNG: 1 [1 - **1**] - 12 February 1973: Niort, P.L.: MHNG: 1 [1 - **1**] - 14 March 1973: Niort, P.L.: MHNG: 1 [1 - **1**] - 12 July 1973: Niort, P.L.: MHNG: 2 [2 - **2**] - 19 July 1973: Niort, P.L.: MHNG: 1 [1 - **1**] - 10 February 1974: Niort, P.L.: MHNG: 1 [1 - **1**] - 11 February 1974: Niort, P.L.: MHNG: 1 [1 - **1**] - 13 February 1974: Niort, P.L.: MHNG: 1 [1 - **1**] - 17 February 1974: Niort, P.L.: MHNG: 1 [1 - **1**] - 1 August 1976: Verschuren, Jacques: RBINS: 6 [6 - **6**] - 1 May 1977: Verschuren, Jacques: RBINS: 2 [2 - **2**] - 1 April 1982: Meirte, Danny: RMCA: 1 [1 - **1**] - 21 April 1982: Meirte, Danny: RMCA: 9 [9 - **9**] - 22 April 1982: Meirte, Danny: RMCA: 15 [15 - **15**] - 23 April 1982: Meirte, Danny: RMCA: 26 [26 - **26**] - 24 April 1982: Meirte, Danny: RMCA: 19 [19 - **19**] - 25 April 1982: Meirte, Danny: RMCA: 9 [9 - **9**] - 26 April 1982: Meirte, Danny: RMCA: 48 [48 - **48**] - 27 April 1982: Meirte, Danny: RMCA: 16 [16 - **16**] - 28 April 1982: Meirte, Danny: RMCA: 1 [1 - **1**] - 29 April 1982: Meirte, Danny: RMCA: 2 [2 - **2**] - 1 July 1982: Vissens: RMCA: 2 [2 - **2** - **417**].

Bujumbura, 7 km NW: 21 March 1979: Stephan, Heinz: SMF: 4 [4 - **4** - **4**].

Bukara: 17 June 1972: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].

Bururi: 24 May 1956: Laurent: RMCA: 1 [1 - **1** - **1**].

Busiga: 1 January 1900: Niort, P.L.: MHNG: 1 [1 - **1**] - 5 June 1969: Niort, P.L.: MHNG: 7 [7 - **7** - **8**].
Bweru: 29 July 1976: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Cibitoke: 15 May 1978: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Gifuruzi: 8 April 1969: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Gihanga: 14 March 1979: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].
Gihanga: 18 January 1970: Niort, P.L.: MHNG: 2 [2 - **2**] - 25 January 1970: Niort, P.L.: MHNG: 10 [10 - **10**] - 8 April 1970: Niort, P.L.: MHNG: 5 [5 - **5**] - 11 April 1970: Niort, P.L.: MHNG: 2 [2 - **2**] - 21 May 1970: Niort, P.L.: MHNG: 6 [6 - **6**] - 1 November 1970: Niort, P.L.: MHNG: 1 [1 - **1**] - 2 November 1970: Niort, P.L.: MHNG: 1 [1 - **1**] - 15 November 1970: Niort, P.L.: MHNG: 1 [1 - **1**] - 24 January 1971: Niort, P.L.: MHNG: 2 [2 - **2**] - 29 January 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 17 February 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 23 March 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 22 November 1972: Niort, P.L.: MHNG: 1 [1 - **1**] - 18 May 1973: Niort, P.L.: MHNG: 3 [3 - **3** - **37**].
Giheta: 8 March 1979: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
Giserama Colline: 30 July 1991: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3**] - 31 July 1991: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3**] - 2 August 1991: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 3 August 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 10 August 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 11 August 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 12 August 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 23 August 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 31 March 1992: Davenport, L.: FMNH: 1 [1 - **1** - **14**].
Gitega: 29 December 1967: Niort, P.L.: MHNG: 1 [1 - **1**] - 1 November 1968: Niort, P.L.: MHNG: 2 [2 - **2**] - 12 March 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 13 March 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 14 March 1971: Niort, P.L.: MHNG: 1 [1 - **1**] - 25 August 1971: Niort, P.L.: MHNG: 1 [1 - **1** - **7**].
Imbo: Collection Date Unknown: Vissault, Jacques: MNHN: 1 [1 - **1** - **1**].
Kanyinya: 6 June 1969: Niort, P.L.: MHNG: 7 [7 - **7** - **7**].
Kanyosha: 10 October 1969: Niort, P.L.: MHNG: 4 [4 - **4**] - 21 October 1969: Niort, P.L.: MHNG: 1 [1 - **1**] - 14 April 1970: Niort, P.L.: MHNG: 1 [1 - **1** - **6**].
Karonge: 3 October 1969: Niort, P.L.: MHNG: 8 [8 - **8**] - 12 October 1969: Niort, P.L.: MHNG: 8 [8 - **8** - **16**].
Karonge mine, galery: 12 October 1969: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Kayanza: 12 March 1979: Stephan, Heinz: SMF: 5 [5 - **5**] - 26 March 1979: Stephan, Heinz: SMF: 4 [4 - **4**] - 27 March 1979: Stephan, Heinz: SMF: 4 [4 - **4** - **13**].
Kibimba: 3 January 1969: Niort, P.L.: MHNG: 2 [2 - **2** - **2**].
Kibira National Park: 27 March 1990: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Kigamba: 15 July 1946: Verschuren, Jacques: RBINS: 3 [3 - **3**] - 15 July 1976: Verschuren, Jacques: RBINS: 35 [35 - **35** - **38**].
Kigwena Hill: 24 April 1982: Meirte, Danny: RMCA: 2 [2 - **2**] - 12 October 1990: Criblez, Matthew: FMNH: 1 [1 - **1**] - 13 October 1990: Criblez, Matthew: FMNH: 2 [2 - **2** - **5**].
Kinazi: 5 January 1953: Basilewsky, P.: RMCA: 3 [3 - **3** - **3**].
Kirundo province: 9 March 1979: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
Kwogofe Colline: 1 April 1992: Davenport, L.: FMNH: 1 [1 - **1**] - 3 April 1992: Davenport, L.: FMNH: 2 [2 - **2**] - 4 April 1992: Davenport, L.: FMNH: 2 [2 - **2**] - 5 April 1992: Davenport, L.: FMNH: 2 [2 - **2**] - 8 April 1992: Davenport, L.: FMNH: 2 [2 - **2**] - 9 April 1992: Davenport, L.: FMNH: 1 [1 - **1**] - 10 April 1992: Davenport, L.: FMNH: 1 [1 - **1**] - 11 April 1992: Davenport, L.: FMNH: 1 [1 - **1**] - 12 April 1992: Davenport, L.: FMNH: 1 [1 - **1** - **13**].
Lake Cohoha: 9 March 1979: Stephan, Heinz: SMF: 4 [4 - **4**] - 10 March 1979: Stephan, Heinz: SMF: 2 [2 - **2**] - 11 March 1979: Stephan, Heinz: SMF: 1 [1 - **1** - **7**].
Mabaye: 20 December 1970: Niort, P.L.: MHNG: 2 [2 - **2**] - 10 December 1971: Niort, P.L.: MHNG: 20 [20 - **20**] - 12 July 1973: Niort, P.L.: MHNG: 1 [1 - **1** - **23**].
Makamba: 9 April 1969: Niort, P.L.: MHNG: 3 [3 - **3**] - 10 April 1969: Niort, P.L.: MHNG: 2 [2 - **2**] - 23 March 1970: Niort, P.L.: MHNG: 5 [5 - **5** - **10**].
Makamba mission: 10 April 1969: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Mpinga cave: 31 December 1968: Niort, P.L.: MHNG: 2 [2 - **2**] - 1 January 1969: Niort, P.L.: MHNG: 10 [10 - **10**] - 25 March 1970: Niort, P.L.: MHNG: 8 [8 - **8** - **20**].
Mpinga mission: 26 March 1970: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Mumushwizi Valley: 17 August 1993: Udelhoven, Jay L.: FMNH: 1 [1 - **1**] - 18 August 1993: Udelhoven, Jay L.: FMNH: 1 [1 - **1**] - 23 August 1993: Udelhoven, Jay L.: FMNH: 2 [2 - **2**] - 24 August 1993: Udelhoven, Jay L.: FMNH: 2 [2 - **2** - **6**].
Murore: 27 May 1971: Niort, P.L.: MHNG: 4 [4 - **4** - **4**].
Muyebe: 1 January 1900: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Mweya: 29 April 1971: Niort, P.L.: MHNG: 5 [5 - **5**] - 19 December 1972: Niort, P.L.: MHNG: 7 [7 - **7** - **12**].
Ngozi province: 13 March 1979: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].
Nyagatarugwa River Valley: 9 August 1992: Davenport, L.: FMNH: 9 [9 - **9**] - 10 August 1992: Davenport, L.: FMNH: 1 [1 - **1** - **10**].
Nyamugari hill: 10 September 1990: Davenport, L.: FMNH: 2 [2 - **2**] - 11 September 1990: Davenport, L.: FMNH: 5 [5 - **5**] - 12 September 1990: Davenport, L.: FMNH: 1 [1 - **1**] - 20 April 1991: Davenport, L.: FMNH: 1 [1 - **1** - **9**].
Nyankanda: 3 January 1969: Niort, P.L.: MHNG: 3 [3 - **3** - **3**].
Nyankende: 11 March 1952: Laurent: RMCA: 1 [1 - **1** - **1**].
Nyanza: 28 February 1920: Raven, Henry Cushier: USNM: 1 [1 - **1** - **1**].
Nyanza Lac: 3 March 1979: Stephan, Heinz: SMF: 2 [2 - **2** - **2**].
Nyanza Lac, 10 km N: 3 March 1979: Stephan, Heinz: SMF: 3 [3 - **3** - **3**].
Nyanza territory: 29 January 1952: Laurent: RMCA: 1 [1 - **1** - **1**].
Nyanza-Lac: 28 December 1932: Burgeon: RMCA: 1 [1 - **1** - **1**].
Resha: 28 February 1979: Stephan, Heinz: SMF: 3 [3 - **3**] - 1 March 1979: Stephan, Heinz: SMF: 3 [3 - **3**] - 2 March 1979: Stephan, Heinz: SMF: 2 [2 - **2**] - 3 March 1979: Stephan, Heinz: SMF: 1 [1 - **1**] - 11 March 1979: : SMF: 1 [1 - **1**] - 15 March 1979: Stephan, Heinz: SMF: 2 [2 - **2**] - 16 March 1979: : SMF: 2 [2]; Stephan, Heinz: SMF: 1 [1 - **3**] - 17 March 1979: Stephan, Heinz: SMF: 1 [1 - **1**] - 18 March 1979: : SMF: 1 [1 - **1**] - 19 March 1979: : SMF: 1 [1 - **1**] - 30 March 1979: Stephan, Heinz: SMF: 1 [1 - **1**] - 2 April 1979: Stephan, Heinz: SMF: 1 [1 - **1**] - 3 April 1979: Stephan, Heinz: SMF: 8 [8 - **8**] - 4 April 1979: Stephan, Heinz: SMF: 3 [3 - **3**] - 5 April 1979: Stephan, Heinz: SMF: 2 [2 - **2**] - 16 June 1979: Stephan, Heinz: SMF: 1 [1 - **1** - **34**].
Rubindi: 1 September 1958: Leleup, Narcisse: RMCA: 4 [4 - **4** - **4**].
Rubindi cave: 9 April 1969: Niort, P.L.: MHNG: 9 [9 - **9**] - 8 March 1970: Niort, P.L.: MHNG: 11 [11 - **11** - **20**].

Rugari mission: 7 June 1969: Niort, P.L.: MHNG: 4 [4 - **4**] - 8 June 1969: Niort, P.L.: MHNG: 1 [1 - **1**] - 1 October 1969: Niort, P.L.: MHNG: 1 [1 - **1** - **6**].
Ruhinga Hill: 9 March 1993: Udelhoven, Jay L.: FMNH: 5 [5 - **5**] - 10 March 1993: Udelhoven, Jay L.: FMNH: 2 [2 - **2**] - 11 March 1993: Udelhoven, Jay L.: FMNH: 6 [6 - **6**] - 12 March 1993: Udelhoven, Jay L.: FMNH: 8 [8 - **8**] - 13 March 1993: Udelhoven, Jay L.: FMNH: 6 [6 - **6** - **27**].
Rumonge: 22 July 1944: Vrijdagh, J.M.: RMCA: 3 [3 - **3**] - 1 February 1955: Fain, Alexandre: RMCA: 1 [1 - **1**] - 1 August 1969: Niort, P.L.: MHNG: 2 [2 - **2**] - 3 November 1969: Niort, P.L.: MHNG: 1 [1 - **1** - **7**].
Rushubi mine: 12 November 1969: Niort, P.L.: MHNG: 1 [1 - **1**] - 16 November 1969: Niort, P.L.: MHNG: 1 [1 - **1** - **2**].
Rushubi Mission, abandoned mine 2 km from: 16 November 1969: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Russissi, bank [=Rusizi delta]: Collection Date Unknown: Grauer, Rudolf: ZMB: 2 [2 - **2**] - 16 November 1968: Lewall: RMCA: 1 [1 - **1**] - 27 April 1982: Meirte, Danny: RMCA: 8 [8 - **8** - **11**].
Rutana: 4 March 1979: Stephan, Heinz: SMF: 1 [1 - **1**] - 6 March 1979: Stephan, Heinz: SMF: 2 [2 - **2** - **3**].
Ruyigi: 19 March 1952: Laurent: RMCA: 1 [1 - **1** - **1**].
Rwegura: 25 April 1969: Niort, P.L.: MHNG: 1 [1 - **1**] - 1 June 1969: ?: Collector Unknown: MHNG: 1 [1 - **1** - **2**].
Rwintare: 3 April 1969: Niort, P.L.: MHNG: 1 [1 - **1**] - 1 February 1970: Niort, P.L.: MHNG: 3 [3 - **3** - **4**].
Rwintare Mission: 19 June 1969: Niort, P.L.: MHNG: 1 [1 - **1** - **1**].
Teza, 2.3 km N, 0.7 km W: 10 March 1990: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 14 March 1990: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 16 March 1990: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 19 March 1990: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 26 March 1990: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 28 March 1990: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **9**].
Tora: 19 November 1975: Verheyen, Walter N.: RMCA: 1 [1 - **1** - **1**].
Usumbura: 14 October 1938: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1**] - 1 August 1976: ?: Collector Unknown: RBINS: 4 [4 - **4** - **5**].
Vumbi: 1 January 1952: Fain, Alexandre: RMCA: 4 [4 - **4** - **4**].
Zimet Quarter: 13 October 1969: Niort, P.L.: MHNG: 4 [4 - **4**] - 25 October 1969: Niort, P.L.: MHNG: 2 [2 - **2**] - 29 November 1969: Niort, P.L.: MHNG: 1 [1 - **1**] - 10 December 1969: Niort, P.L.: MHNG: 2 [2 - **2** - **9**].

Total Specimens for Burundi: 887

Cameroon

Unknown locality: Collection Date Unknown: BMNH: 147, MNHN: 15, USNM: 1, ZMB: 1 [164]; Bates, George Latimer: MCZ: 1 [1]; Buchholz: ZMB: 4 [4]; Conradt: ZMB: 1 [1]; Haberer: ZMB: 7 [7]; Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 4 [4]; Martienssen: ZMB: 1 [1]; Miller, Charles D.: YPM: 20 [20]; Preuss, P.: ZMB: 2 [2]; Reichenow, Anton: ZMB: 1 [1]; Riggenbach: ZMB: 2 [2]; Schwab, George W.: MCZ: 4 [4]; Stift: ZMB: 1 [1]; Strickland: BMNH: 1 [1]; Strunck: ZMB: 1 [1]; Zenker, Georg August: ZMB: 4 [4 - **218**] - 14 July 1908: Bates, George Latimer: FMNH: 1 [1 - **1**] - 7 January 1911: ?: Collector Unknown: SMF: 1 [1 - **1**] - 18 June 1911: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 June 1915: ?: Collector Unknown: SMF: 1 [1 - **1**] - 28 October 1937: Mertens, Robert: SMF: 1 [1 - **1**] - 8 April 1958: ?: Collector Unknown: SMF: 2 [2 - **2**] - 14 April 1958: ?: Collector Unknown: SMF: 6 [6 - **6**] - 1 January 1970: Ngam, V.N.: ROM: 1 [1]; Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **2**] - 22 May 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 13 July 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 3 May 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 1 [1 - **1**] - 1 January 1974: Hulselmans, Jan; Louette, Michel: RMCA: 3 [3 - **3**] - 1 August 1974: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1**] - 1 January 1975: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 2 [2 - **2**] - 14 December 1975: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 3 [3 - **3**] - 9 January 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 January 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 26 July 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 July 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 July 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 30 July 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 31 July 1979: ?: Collector Unknown: SMF: 3 [3 - **3**] - 2 August 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1989: ?: Collector Unknown: ZMA: 1 [1 - **1** - **256**].
Aboulou: 5 April 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 10 [10 - **10**] - 6 April 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 8 [8 - **8**] - 7 April 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 2 [2 - **2** - **20**].
above Buea, Larger I: Collection Date Unknown: Eisentraut, Martin: ZFMK: 8 [8 - **8** - **8**].
Above Mueli: Collection Date Unknown: Eisentraut, Martin: ZFMK: 2 [2 - **2**] - 9 February 1958: Eisentraut, Martin: RBINS: 1 [1 - **1** - **3**].
Agyati: 1 February 1970: Peterson, Randolph L.: ROM: 2 [2 - **2** - **2**].
Ajos Höhe [=Ayos Heights]: Collection Date Unknown: Reichenow, Anton: ZMB: 2 [2 - **2** - **2**].
Akonolinga: Collection Date Unknown: Freyer: ZMB: 1 [1 - **1** - **1**].
Alen: 18 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 2 [2 - **2**] - 19 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3**] - 20 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 2 [2 - **2**] - 21 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3** - **10**].
Ambam, 10 km S, 5 km E: 3 August 1978: Williams, Stephen L.: CM: 1 [1 - **1** - **1**].
Ambam, 13 km S, 5 km E: 1 August 1978: Robbins, Lynn W.: CM: 2 [2]; Robbins, Lynn W.; Robbins, R. Laurie: CM: 5 [5 - **7** - **7**].
Amban, 13 km S, 8 km E: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].
Ayos: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ayos Road, Mvoutesi II [= MVE II]: Collection Date Unknown: ?: Collector Unknown: ROM: 6 [6]; Glen, Robert M.: ROM: 4 [4 - **10** - **10**].
Ayos, near: 31 August 1969: Glen, Robert M.: ROM: 2 [2 - **2** - **2**].
Bafia area: Collection Date Unknown: Tessmann: ZMB: 1 [1 - **1** - **1**].
Bafut: 1 February 1970: Peterson, Randolph L.: ROM: 5 [5]; Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **7**] - 2 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1** - **8**].
Bafut Agyati, 2 km E: 1 February 1970: Peterson, Randolph L.: ROM: 4 [4 - **4** - **4**].
Bake River Bridge: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1**] - 10 June 1991: Schlitter, Duane Albert: CM: 2 [2 - **2** - **3**].
Bali: 26 January 1992: Van Neer, Wim; Doutrelepont, Hughes: RMCA: 1 [1 - **1** - **1**].
Balue mountains: Collection Date Unknown: Konietzko: ZMB: 4 [4 - **4** - **4**].

Bamenda: Collection Date Unknown: Glauning: ZMB: 1 [1 - **1**] - 5 September 1969: Glen, Robert M.: ROM: 1 [1 - **1** - **2**].
Bamenda, 14 km E: 15 December 1971: Gruwell, J.A.: TTU: 3 [3]; Robbins, Lynn W.: AMNH: 8 [8 - **11**] - 16 December 1971: Gruwell, J.A.: TTU: 3 [3]; Robbins, Lynn W.: AMNH: 5 [5]; Robwell, L.J.: TTU: 2 [2 - **10** - **21**].
Bamumbo: Collection Date Unknown: Sanderson, Ivan T.: BMNH: 1 [1 - **1** - **1**].
Bamundjinda: Collection Date Unknown: Adametz: ZMB: 1 [1 - **1** - **1**].
Bana: Collection Date Unknown: Glauning: ZMB: 1 [1 - **1** - **1**].
Banga Bakundu: 27 May 1973: Miller, Charles D.: YPM: 1 [1 - **1** - **1**].
Banjun: Collection Date Unknown: Glauning: ZMB: 2 [2 - **2** - **2**].
Banyo, 30 km ESE: 4 February 1970: Peterson, Randolph L.: ROM: 9 [9 - **9**] - 5 February 1970: ?: Collector Unknown: BRTC: 2 [2]; Peterson, Randolph L.: ROM: 28 [28 - **30** - **39**].
Baro: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].
Barombi Kang: Collection Date Unknown: Lawler, R.S.: ROM: 7 [7 - **7**] - 17 February 1966: Lawler, R.S.: ROM: 1 [1 - **1**] - 20 February 1966: Lawler, R.S.: ROM: 1 [1 - **1**] - 21 February 1966: Lawler, R.S.: ROM: 4 [4 - **4**] - 24 February 1966: Lawler, R.S.: ROM: 8 [8 - **8** - **21**].
Barombi-Mbo Lake shore, Kumba: Collection Date Unknown: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].
Barombi-Mbo, lake: 15 June 1969: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Basal Mission: 30 May 1967: Ngam, V.N.: ROM: 1 [1 - **1**] - 9 May 1969: Ngam, V.N.: ROM: 9 [9 - **9**] - 10 May 1969: Ngam, V.N.: ROM: 7 [7 - **7**] - 12 May 1969: Ngam, V.N.: ROM: 5 [5 - **5**] - 13 May 1969: Ngam, V.N.: ROM: 5 [5 - **5**] - 14 May 1969: Ngam, V.N.: ROM: 1 [1 - **1**] - 22 May 1969: Ngam, V.N.: ROM: 4 [4 - **4**] - 27 May 1969: Ngam, V.N.: ROM: 5 [5 - **5**] - 1 June 1969: Ngam, V.N.: ROM: 2 [2 - **2**] - 24 June 1969: Ngam, V.N.: ROM: 1 [1 - **1** - **40**].
Bashauo: Collection Date Unknown: Sanderson, Ivan T.: BMNH: 5 [5 - **5** - **5**].
Basho: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1]; Von Ortzen: ZMB: 2 [2 - **3** - **3**].
Batanga: Collection Date Unknown: Cox, Newman Hall Dervis: USNM: 1 [1]; Good, A.I.: CM: 1 [1 - **2**] - 3 April 1931: Good, A.I.: CM: 1 [1 - **1** - **3**].
Batoke: 1 August 1967: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Batouri district: Collection Date Unknown: ?: Collector Unknown: NMV: 2 [2]; Merfield, F.G.: BMNH: 2, PCMB: 4 [6 - **8**] - 23 September 1932: Powell-Cotton, Percy Horace Gordon: MCZ: 2 [2 - **2** - **10**].
Batowri district: 25 May 1935: Powell-Cotton Museum, The: BMNH: 5 [5 - **5** - **5**].
Bebai: Collection Date Unknown: Tessmann: ZMB: 2 [2 - **2** - **2**].
Bélabo: 1 May 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1** - **1**].
Bele / Adjola: 1 January 1990: Jooris: RMCA: 1 [1 - **1** - **1**].
Bertoua, 25 km NE: 1 March 1972: Gruwell, J.A.: TTU: 3 [3]; Robbins, Lynn W.: AMNH: 4 [4 - **7** - **7**].
Bertoua, 30 km W: 24 February 1972: Robwell, L.J.: TTU: 1 [1 - **1**] - 25 February 1972: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 17 April 1972: Robbins, Lynn W.: AMNH: 5 [5 - **5**] - 19 April 1972: Gruwell, J.A.: TTU: 1 [1]; Robbins, Lynn W.: AMNH: 2 [2 - **3**] - 20 April 1972: Gruwell, J.A.: TTU: 12 [12]; Robbins, Lynn W.: AMNH: 15 [15]; Robwell, L.J.: TTU: 2 [2 - **29**] - 22 April 1972: Gruwell, J.A.: TTU: 2 [2]; Robbins, Lynn W.: AMNH: 5 [5 - **7**] - 23 April 1972: Robbins, Lynn W.: AMNH: 3 [3]; Robwell, L.J.: TTU: 2 [2 - **5** - **51**].
Besogabang: Collection Date Unknown: Sanderson, Ivan T.: BMNH: 3 [3 - **3**] - 2 February 1932: Sanderson, Ivan T.: BMNH: 1 [1 - **1** - **4**].
Bibundi: Collection Date Unknown: Lampe, E.: BMNH: 1 [1 - **1**] - 17 June 1910: Retzlaff, M.: ZMH: 1 [1 - **1**] - 16 July 1911: Retzlaff, M.: ZMH: 2 [2 - **2**] - 2 March 1913: Wenke: ZMH: 1 [1 - **1** - **5**].
Big farm, Mungo River, east bank: Collection Date Unknown: Ngam, V.N.: ROM: 3 [3 - **3**] - 7 December 1970: Ngam, V.N.: ROM: 10 [10 - **10**] - 8 December 1970: Ngam, V.N.: ROM: 5 [5 - **5**] - 12 December 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 13 December 1970: Ngam, V.N.: ROM: 6 [6 - **6**] - 14 December 1970: Ngam, V.N.: ROM: 7 [7 - **7**] - 17 December 1970: Ngam, V.N.: ROM: 2 [2 - **2**] - 19 December 1970: Ngam, V.N.: ROM: 2 [2 - **2**] - 20 December 1970: Ngam, V.N.: ROM: 2 [2 - **2**] - 23 December 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 8 December 1972: Ngam, V.N.: ROM: 1 [1 - **1** - **40**].
Biggil: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Bimbia: Collection Date Unknown: Eisentraut, Martin: ZMB: 19 [19]; Jones, Theo Simpson: ROM: 38 [38 - **57**] - 4 February 1938: Eisentraut, Martin: ZMB: 4 [4 - **4**] - 10 October 1965: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - 10 January 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 1 April 1968: Jones, Theo Simpson: ROM: 6 [6 - **6** - **69**].
Bini, lake: 12 October 1974: Hulselmans, Jan; Louette, Michel: RMCA: 2 [2 - **2** - **2**].
Bipindi: Collection Date Unknown: Zenker, Georg August: ZMB: 1 [1 - **1**] - 15 September 1939: Tate, George Henry Hamilton: AMNH: 1 [1 - **1**] - 22 September 1939: Tate, George Henry Hamilton: AMNH: 1 [1 - **1**] - 26 September 1939: Tate, George Henry Hamilton: AMNH: 2 [2 - **2**] - 1 October 1939: Tate, George Henry Hamilton: AMNH: 1 [1 - **1** - **6**].
Bipindi, 10 km W: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 12 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 18 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 19 February 1970: Peterson, Randolph L.: ROM: 9 [9]; Peterson, Randolph L.; *et al.*: ROM: 1 [1]; Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: ROM: 1 [1 - **11**] - 20 February 1970: Peterson, Randolph L.: ROM: 3 [3 - **3** - **17**].
Bipindi, Kribi, Bez: Collection Date Unknown: Sjöstedt, Bror Yngve: ZMB: 1 [1]; Zenker, Georg August: ZMB: 47 [47 - **48** - **48**].
Bipindihof nr Kribi: Collection Date Unknown: Kathke: ZMB: 1 [1 - **1** - **1**].
Bisoro Balve: 1 March 1968: Jones, Theo Simpson: ROM: 57 [57 - **57** - **57**].
Bitye: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1]; Bates, George Latimer: BMNH: 9, MCZ: 1, RMCA: 4 [14]; Bates, George Latimer; Rosenberg, G.: ZMB: 1 [1]; Rosenberg: ZMB: 2 [2 - **19**] - 24 May 1906: Bates, George Latimer; Rosenberg, G.: BMNH: 1 [1 - **1**] - 1 November 1906: ?: Collector Unknown: MCZ: 1 [1 - **1**] - 11 August 1909: Bates, George Latimer: RMCA: 1 [1 - **1**] - 19 November 1909: Bates, George Latimer: BMNH: 1 [1 - **1**] - 22 September 1910: Grandidier Collection, The: MCZ: 1 [1 - **1**] - 17 October 1911: Bates, George Latimer: BMNH: 1 [1 - **1**] - 11 December 1911: Bates, George Latimer: RMCA: 1 [1 - **1**] - 17 January 1912: Bates, George Latimer: RMCA: 2 [2 - **2**] - 28 January 1912: Bates, George Latimer: RMCA: 1 [1 - **1**] - 16 February 1912: Bates, George Latimer: RMCA: 1 [1 - **1**] - 24 February 1912: Bates, George Latimer: RMCA: 1 [1 - **1**] - 5 June 1912: Bates, George Latimer: RMCA: 1 [1 - **1**] - 10 June 1912: Bates, George Latimer: RMCA: 1 [1 - **1**] - 4 July 1912: Bates, George Latimer: RMCA: 1 [1 - **1**] - 22 July 1912: Bates, George Latimer: RMCA: 1 [1 - **1**] - 6 August 1912: Bates, George Latimer: RMCA: 1 [1 - **1**] - 3 September 1912: Bates, George Latimer: BMNH: 2 [2 - **2**] - 7 September 1912: Bates, George Latimer: RMCA: 1 [1 - **1**] - 23 September 1912: Bates, George Latimer: FMNH: 1, RMCA: 1 [2 - **2**] - 20 October 1912: Bates, George Latimer: FMNH: 1 [1 - **1**] - 7 November 1912: Bates, George Latimer: RMCA: 1 [1 - **1**] - 13 August 1913: Bates, George Latimer: BMNH: 1 [1 - **1**] - 7 November 1913: Bates, George Latimer: FMNH: 1 [1 - **1**] - 24 November 1913: Bates, George Latimer: BMNH: 1 [1 - **1**] - 20 December 1913: Bates, George Latimer: BMNH: 1 [1 - **1**] - 1 January 1914: Rosenberg, W.F.H.:

ZFMK: 1 [1 - **1**] - 8 April 1914: Bates, George Latimer: BMNH: 1 [1 - **1**] - 9 October 1914: Bates, George Latimer: USNM: 1 [1 - **1**] - 28 April 1915: : ZMB: 1 [1 - **1**] - 20 May 1921: Bates, George Latimer: BMNH: 1 [1 - **1**] - 29 May 1921: Bates, George Latimer: BMNH: 1 [1 - **1**] - 3 December 1921: Bates, George Latimer: BMNH: 1 [1 - **1**] - 6 February 1922: Bates, George Latimer: BMNH: 1 [1 - **1**] - 18 February 1922: Bates, George Latimer; Rosenberg, G.: BMNH: 1 [1 - **1**] - 4 March 1922: Wernham, J. or G.: BMNH: 1 [1 - **1**] - 22 March 1922: Bates, George Latimer: BMNH: 1 [1 - **1**] - 28 March 1922: Bates, George Latimer: BMNH: 1 [1 - **1**] - 10 April 1922: Wernham, J. or G.: BMNH: 1 [1 - **1**] - 23 February 1923: Wernham, J. or G.: BMNH: 1 [1 - **1** - **61**].

Bokwango: Collection Date Unknown: Jones, Theo Simpson: ROM: 14 [14 - **14**] - 9 May 1973: Ngam, V.N.: ROM: 2 [2 - **2** - **16**].

Bokwango, near: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].

Bonge: Collection Date Unknown: Sjöstedt, Bror Yngve: ZMB: 3 [3 - **3** - **3**].

Bota: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1]; Jones, Theo Simpson: ROM: 7 [7 - **9**] - 15 February 1965: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 1 June 1965: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 12 July 1965: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 8 October 1965: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 5 November 1965: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 12 December 1965: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 7 January 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 9 January 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 10 January 1966: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 11 January 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 20 January 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 23 January 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 14 March 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 18 March 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 23 April 1966: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 3 June 1966: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 8 June 1966: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 1 November 1966: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - 7 November 1966: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 10 November 1966: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 15 November 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 18 November 1966: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 20 November 1966: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 24 November 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 26 November 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 16 January 1967: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 20 January 1967: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 21 January 1967: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 22 January 1967: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 12 March 1967: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 1 July 1967: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 1 August 1967: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 23 October 1967: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 26 October 1967: Jones, Theo Simpson: ROM: 10 [10 - **10**] - 25 December 1967: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 4 January 1968: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 5 January 1968: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 6 January 1968: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 9 January 1968: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 11 January 1968: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 29 January 1968: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 2 February 1968: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 11 February 1968: Jones, Theo Simpson: ROM: 5 [5 - **5**] - 1 May 1968: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 19 May 1968: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 21 May 1968: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 22 May 1968: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 24 May 1968: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 26 May 1968: Jones, Theo Simpson: ROM: 2 [2 - **2** - **86**].

Boteke Village: Collection Date Unknown: Ngam, V.N.: ROM: 29 [29 - **29**] - 12 May 1973: Ngam, V.N.: ROM: 9 [9 - **9**] - 13 May 1973: Ngam, V.N.: ROM: 1 [1 - **1**] - 16 May 1973: Ngam, V.N.: ROM: 3 [3 - **3**] - 18 May 1973: Ngam, V.N.: ROM: 3 [3 - **3**] - 19 May 1973: Ngam, V.N.: ROM: 1 [1 - **1** - **46**].

Boukma: 18 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 1 [1 - **1**] - 19 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 2 [2 - **2**] - 20 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 1 [1 - **1** - **4**].

Bova Village: Collection Date Unknown: Ngam, V.N.: ROM: 3 [3 - **3** - **3**].

Buea: 15 July 1934: Boulton, Rudyerd: USNM: 1 [1 - **1**] - 29 April 1954: Eisentraut, Martin: SMNS: 3 [3 - **3** - **4**].

Buéa: Collection Date Unknown: ?: Collector Unknown: BMNH: 2, ZMB: 1 [3]; Eisentraut, Martin: ZMB: 5 [5]; Ngam, V.N.: ROM: 37 [37]; Preuss, P.: ZMB: 2 [2]; Prévost, J.: MNHN: 1 [1 - **48**] - 21 June 1934: Boulton, Rudyerd: FMNH: 2 [2 - **2**] - 2 July 1934: Boulton, Rudyerd: FMNH: 3 [3 - **3**] - 15 July 1934: Boulton, Rudyerd: FMNH: 8 [8 - **8**] - 29 April 1952: Eisentraut, Martin: ZFMK: 1 [1 - **1**] - 6 January 1958: Eisentraut, Martin: ZFMK: 1 [1 - **1**] - 30 November 1966: Eisentraut, Martin: BMNH: 1 [1 - **1**] - 15 March 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 30 April 1970: Ngam, V.N.: ROM: 4 [4 - **4**] - 8 May 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 25 May 1970: Ngam, V.N.: ROM: 5 [5 - **5**] - 26 May 1970: Ngam, V.N.: ROM: 2 [2 - **2**] - 27 May 1970: Ngam, V.N.: ROM: 2 [2 - **2**] - 28 May 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 1 June 1970: Ngam, V.N.: ROM: 3 [3 - **3**] - 6 June 1970: Ngam, V.N.: ROM: 4 [4 - **4**] - 7 June 1970: Ngam, V.N.: ROM: 4 [4 - **4**] - 9 June 1970: Ngam, V.N.: ROM: 3 [3 - **3**] - 18 May 1973: ?: Collector Unknown: ROM: 1 [1 - **1**] - 2 October 1973: Prévost, J.: MNHN: 10 [10 - **10**] - 28 October 1973: ?: Collector Unknown: MNHN: 1 [1]; Prévost, J.: MNHN: 1 [1 - **2**] - 25 February 1979: : SMF: 1 [1 - **1**] - 18 March 1979: : SMF: 2 [2 - **2**] - 19 March 1979: : SMF: 3 [3 - **3**] - 23 March 1979: : SMF: 2 [2 - **2**] - 24 March 1979: : SMF: 1 [1 - **1**] - 25 March 1979: : SMF: 1 [1 - **1**] - 1 April 1979: : SMF: 1 [1 - **1**] - 9 March 1981: Eyckerman: RMCA: 1 [1 - **1**] - 24 March 1981: Jooris: RMCA: 3 [3 - **3** - **122**].

Buéa Station area: 1 January 1970: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Buea Station area, small Sopo: Collection Date Unknown: Ngam, V.N.: ROM: 16 [16 - **16** - **16**].

Buea station, 2 km S: Collection Date Unknown: Ngam, V.N.: ROM: 7 [7 - **7**] - 10 April 1971: Ngam, V.N.: ROM: 18 [18 - **18**] - 11 April 1971: Ngam, V.N.: ROM: 6 [6 - **6**] - 12 April 1971: Ngam, V.N.: ROM: 2 [2 - **2** - **33**].

Buéa Station, 2 km W: 23 April 1973: Ngam, V.N.: ROM: 6 [6 - **6**] - 24 April 1973: Ngam, V.N.: ROM: 2 [2 - **2** - **8**].

Buéa Station, 3 km SW: 4 May 1971: Ngam, V.N.: ROM: 19 [19 - **19** - **19**].

Buea Town Forest: 8 May 1970: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].

Buéa West Farm: 6 April 1971: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Buea, near: Collection Date Unknown: : BMNH: 6 [6]; Jones, Theo Simpson: ROM: 6 [6 - **12**] - 29 September 1967: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 12 November 1967: Jones, Theo Simpson: ROM: 11 [11 - **11**] - 4 February 1968: Jones, Theo Simpson: ROM: 14 [14 - **14**] - 17 March 1968: Jones, Theo Simpson: ROM: 3 [3 - **3** - **42**].

Bunduma Village: 21 May 1973: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Buta: Collection Date Unknown: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Cameroon Mountain Cave: 30 April 1970: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Camp II: 30 November 1966: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].

Camp III: 5 January 1958: Eisentraut, Martin: ZFMK: 1 [1 - **1**] - 7 January 1958: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **2**].

Camp IV: 30 January 1967: Eisentraut, Martin: ZFMK: 1 [1 - **1**] - 31 January 1967: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **2**].

Camp V: 18 February 1967: Eisentraut, Martin: ZFMK: 1 [1 - **1**] - 23 February 1967: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **2**].

Camp V, Mueli: 10 February 1958: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].

Campo: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 16 March 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 33 [33 - **33**] - 17 March 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 11 [11 - **11** - **46**].

Campo National Park: 3 December 1992: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

CDC Banana Research Station: 3 June 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 1 July 1970: Ngam, V.N.: ROM: 4 [4 - **4**] - 2 July 1970: Ngam, V.N.: ROM: 12 [12 - **12**] - 3 July 1970: Ngam, V.N.: ROM: 7 [7 - **7**] - 4 July 1970: Ngam, V.N.: ROM: 21 [21 - **21**] - 5 July 1970: Ngam, V.N.: ROM: 20 [20 - **20** - **65**].

CDC Rest House: Collection Date Unknown: Glen, Robert M.: ROM: 1 [1 - **1** - **1**].

Chop farm: 7 July 1970: Ngam, V.N.: ROM: 2 [2 - **2** - **2**].

De Somo, Bamenda road: 3 September 1969: Glen, Robert M.: ROM: 3 [3 - **3** - **3**].

Dijgan: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Dikume: 21 February 1967: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].

Dimako: Collection Date Unknown: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - 11 May 1977: Philippart de Foy, Guy: RMCA: 3 [3 - **3**] - 13 May 1977: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 14 May 1977: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - 15 May 1977: Philippart de Foy, Guy: RMCA: 5 [5 - **5**] - 16 May 1977: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - 17 May 1977: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - 18 May 1977: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 20 May 1977: Philippart de Foy, Guy: RMCA: 3 [3 - **3**] - 22 May 1977: Philippart de Foy, Guy: RMCA: 3 [3 - **3** - **24**].

Dja river: 23 January 1906: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Djaposten: 1 August 1930: Raven, Henry Cushier: AMNH: 8 [8 - **8**] - 7 March 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 12 [12 - **12**] - 8 March 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 4 [4 - **4** - **24**].

Djohong: 31 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1**] - 2 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 2 [2 - **2**] - 3 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 8 [8 - **8**] - 4 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 35 [35 - **35**] - 5 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 28 [28 - **28**] - 6 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1** - **75**].

Dokoa: 3 May 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 4 [4 - **4**] - 6 May 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 2 [2 - **2** - **6**].

Douala: Collection Date Unknown: : SMNS: 1 [1 - **1**] - 15 December 1913: Haas, A.: SMF: 1 [1 - **1** - **2**].

Douala airport: 28 February 1966: Lawler, R.S.: ROM: 6 [6 - **6**] - 1 March 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 2 March 1966: Lawler, R.S.: ROM: 4 [4 - **4**] - 3 March 1966: Lawler, R.S.: ROM: 2 [2 - **2** - **14**].

Douala airport, 5 km E: 11 March 1966: Lawler, R.S.: ROM: 3 [3 - **3** - **3**].

Douala-Edéa Game Reserve: 22 November 1975: Scott, Norman J.: MSB: 2 [2 - **2**] - 24 November 1975: Scott, Norman J.: MSB: 2 [2 - **2**] - 25 November 1975: Scott, Norman J.: MSB: 1 [1 - **1**] - 27 November 1975: Scott, Norman J.: MSB: 1 [1 - **1**] - 28 November 1975: Scott, Norman J.: MSB: 1 [1 - **1**] - 29 November 1975: Scott, Norman J.: MSB: 1 [1 - **1**] - 30 November 1975: Scott, Norman J.: MSB: 1 [1]; Scott, Norman J.; Ekondo, S.: MSB: 6 [6 - **7**] - 2 December 1975: Scott, Norman J.: MSB: 3 [3]; Scott, Norman J.; Ekondo, S.: MSB: 1 [1 - **4**] - 3 December 1975: Scott, Norman J.; Ekondo, S.: MSB: 3 [3 - **3**] - 4 December 1975: Scott, Norman J.: MSB: 2 [2 - **2** - **24**].

Ébam, 15 km SE: 24 March 1973: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 27 March 1973: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **3**].

Ebogo: 20 May 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 2 [2 - **2**] - 26 May 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 8 [8 - **8**] - 30 March 1973: Thys Van den Audenaerde, Dirk: RMCA: 1 [1]; Thys Van den Audenaerde, Dirk; Robbins: RMCA: 1 [1 - **2**] - 1 April 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3**] - 2 April 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3** - **18**].

Ebolowa: Collection Date Unknown: Harvard University, Museum of Comparative Zoology: FMNH: 1 [1 - **1**] - 1 January 1913: Schwab, George W.: AMNH: 4, MCZ: 29 [33 - **33**] - 1 February 1934: Little, Luther: MVZ: 1 [1 - **1**] - 27 March 1942: ?: Collector Unknown: CM: 1 [1 - **1**] - 15 September 1952: Good, A.I.: FMNH: 1 [1 - **1**] - 5 November 1952: Good, A.I.: FMNH: 5 [5 - **5**] - 18 November 1952: Good, A.I.: FMNH: 1 [1 - **1**] - 29 December 1952: Good, A.I.: FMNH: 1 [1 - **1**] - 30 December 1952: Good, A.I.: FMNH: 1 [1 - **1**] - 16 January 1953: Good, A.I.: FMNH: 2 [2 - **2**] - 9 February 1953: Good, A.I.: FMNH: 1 [1 - **1**] - 1 January 1955: Perret, J.L.: HNHM: 2 [2 - **2** - **50**].

Edéa: Collection Date Unknown: Rohde: ZMB: 5 [5 - **5**] - 18 January 1922: Reis, J.A.: FMNH: 1 [1 - **1**] - 3 March 1922: Reis, J.A.: FMNH: 1 [1 - **1**] - 8 November 1922: Reis, J.A.: FMNH: 1 [1 - **1** - **8**].

Efulan: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Efulén: Collection Date Unknown: ?: Collector Unknown: NMV: 1 [1]; Bates, George Latimer: BMNH: 7, RMCA: 1 [8 - **9**] - 14 June 1895: Bates, George Latimer: USNM: 2 [2 - **2**] - 24 July 1901: Bates, George Latimer: BMNH: 1 [1 - **1**] - 14 August 1901: Bates, George Latimer: BMNH: 1 [1 - **1**] - 29 May 1903: Bates, George Latimer: USNM: 1 [1 - **1**] - 9 September 1903: Bates, George Latimer: USNM: 1 [1 - **1**] - 15 June 1905: Bates, George Latimer: MCZ: 1 [1 - **1** - **16**].

Ekona: Collection Date Unknown: Jones, Theo Simpson: ROM: 1 [1]; Ngam, V.N.: ROM: 4 [4 - **5**] - 1 March 1965: Jones, Theo Simpson: ROM: 5 [5 - **5**] - 1 May 1965: Jones, Theo Simpson: ROM: 4 [4 - **4**] - 1 October 1967: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 1 January 1968: Jones, Theo Simpson: ROM: 4 [4 - **4**] - 1 March 1968: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 7 July 1970: Ngam, V.N.: ROM: 1 [1 - **1** - **23**].

Ekongolo Sanaga: Collection Date Unknown: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].

Elat: 29 April 1913: Johnston, W.E.: CM: 1 [1 - **1** - **1**].

Eseka: Collection Date Unknown: : AMNH: 1 [1 - **1**] - 1 November 1973: Robbins: RMCA: 4 [4 - **4**] - 23 June 1974: Robbins, Lynn W.: AMNH: 1, CM: 1 [2 - **2**] - 24 June 1974: Robbins, Lynn W.: CM: 1 [1 - **1**] - 13 July 1974: Robbins, Lynn W.: CM: 1 [1 - **1**] - 25 August 1974: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1**] - 27 August 1974: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1**] - 28 August 1974: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1**] - 29 August 1974: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1**] - 30 August 1974: Hulselmans, Jan; Louette, Michel: RMCA: 3 [3 - **3**] - 31 August 1974: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1**] - 1 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 3 [3 - **3**] - 2 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 2 [2 - **2**] - 3 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 9 [9 - **9**] - 4 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 4 [4 - **4**] - 5 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 3 [3 - **3** - **38**].

Eséka: 24 June 1972: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 6 May 1973: Robbins, Lynn W.: AMNH: 7 [7 - **7**] - 16 June 1973: Robbins, Lynn W.: AMNH: 9 [9 - **9**] - 20 June 1973: Robbins, Lynn W.: AMNH: 5 [5 - **5**] - 14 August 1973: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 3 March 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 23 June 1974: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 24 June 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 29 June 1974: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 30 June 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 2 July 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 12 July 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 13 July 1974: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 14 July 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 14 August 1974: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **39**].

Eséka, 15 km SW: 24 February 1974: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Eséka, 15 km W: 10 June 1974: Robbins, Lynn W.: AMNH: 5 [5 - **5** - **5**].
Eseka, 3 km S, 3 km W: 11 August 1978: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 13 August 1978: Robbins, Lynn W.: CM: 1 [1]; Robbins, Lynn W.; Robbins, R. Laurie: CM: 2 [2 - **3** - **4**].
Eseka, 5 km SW: Collection Date Unknown: Robbins, Lynn W.: CM: 12 [12 - **12**] - 30 June 1974: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 3 July 1974: Robbins, Lynn W.: CM: 1 [1 - **1** - **14**].
Eséka, 5 km SW: 26 June 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 28 June 1974: Robbins, Lynn W.: AMNH: 3 [3 - **3**] - 29 June 1974: Robbins, Lynn W.: AMNH: 6 [6 - **6**] - 30 June 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 2 July 1974: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 3 July 1974: Robbins, Lynn W.: AMNH: 6 [6 - **6**] - 4 July 1974: Robbins, Lynn W.: AMNH: 3 [3 - **3** - **23**].
Eséka, 6 km SE: 31 May 1974: Robbins, Lynn W.: AMNH: 6 [6 - **6**] - 7 June 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 8 June 1974: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 12 June 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 3 July 1974: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 9 July 1974: Robbins, Lynn W.: AMNH: 7 [7 - **7**] - 11 July 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 9 September 1974: Robbins, Lynn W.: AMNH: 4 [4 - **4** - **25**].
Eséka, 7 km N: 3 November 1972: Robbins, Lynn W.: AMNH: 4 [4 - **4** - **4**].
Eséka, 8 km SW: 22 June 1974: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 24 June 1974: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **3**].
Eseka, 9 km N: 18 November 1972: Gruwell, J.A.: TTU: 1 [1 - **1** - **1**].
Eséka, 9 km N: 18 November 1972: Gruwell, J.A.: TTU: 2 [2]; Robbins, Lynn W.: AMNH: 2 [2 - **4** - **4**].
Eséka, 9 km SE: 18 February 1972: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 18 November 1972: Robbins, Lynn W.: AMNH: 7 [7 - **7** - **8**].
Eshobe: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Eshobi: 21 January 1933: Sanderson, Ivan T.: BMNH: 2 [2 - **2** - **2**].
Essosong: Collection Date Unknown: Jones, Theo Simpson: ROM: 55 [55 - **55**] - 8 February 1966: Jones, Theo Simpson: ROM: 1 [1 - **1** - **56**].
Extreme-Nord province: 13 April 2011: Bakwo Fils, Eric Moise; Bol A Anong, Alima: LZUM: 1 [1 - **1** - **1**].
Eyen Meyong: 11 June 1970: Nomo: RMCA: 4 [4 - **4** - **4**].
Fenda: Collection Date Unknown: ?: Collector Unknown: SMF: 1 [1]; : SMF: 3 [3]; Schultze, A.; Herz, A.F.M.; Expedition 1910/11, the: SMF: 1 [1 - **5** - **5**].
Fort Foureau: 7 June 2006: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Foulassi: 23 December 1952: Perret, J.L.: MHNG: 2 [2 - **2**] - 3 January 1953: Perret, J.L.: MHNG: 1 [1 - **1**] - 14 February 1953: Perret, J.L.: MHNG: 1 [1 - **1**] - 24 April 1953: Perret, J.L.: MHNG: 1 [1 - **1**] - 30 November 1953: Perret, J.L.: MHNG: 1 [1 - **1**] - 3 December 1953: Perret, J.L.: MHNG: 1 [1 - **1**] - 12 March 1954: Perret, J.L.: MHNG: 1 [1 - **1**] - 14 June 1954: Perret, J.L.: MHNG: 1 [1 - **1** - **9**].
Galim: 15 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 10 [10 - **10**] - 16 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 12 [12 - **12**] - 17 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 5 [5 - **5**] - 18 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 7 [7 - **7**] - 19 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 15 [15 - **15**] - 20 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 5 [5 - **5**] - 21 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 8 [8 - **8**] - 22 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 12 [12 - **12**] - 23 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 8 [8 - **8**] - 24 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 6 [6 - **6**] - 25 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 9 [9 - **9**] - 26 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 14 [14 - **14** - **111**].
Garoua: 22 July 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 26 [26 - **26** - **26**].
Garoua, 24 km S, 13 km E: 22 July 1978: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].
Garoua, 25 mi S: Collection Date Unknown: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].
Great Soppo: Collection Date Unknown: Ngam, V.N.: ROM: 2 [2 - **2**] - 21 August 1969: Ngam, V.N.: ROM: 3 [3 - **3**] - 23 August 1969: Ngam, V.N.: ROM: 8 [8 - **8**] - 17 September 1969: Ngam, V.N.: ROM: 6 [6 - **6**] - 26 September 1969: Ngam, V.N.: ROM: 2 [2 - **2**] - 2 October 1969: Ngam, V.N.: ROM: 5 [5 - **5**] - 15 August 1971: Ngam, V.N.: ROM: 1 [1 - **1**] - 3 February 1973: Ngam, V.N.: FMNH: 4 [4 - **4**] - 8 April 1973: Ngam, V.N.: FMNH: 3, ROM: 1 [4 - **4**] - 11 April 1973: Ngam, V.N.: ROM: 1 [1 - **1**] - 14 April 1973: Ngam, V.N.: ROM: 2 [2 - **2**] - 17 April 1973: Ngam, V.N.: ROM: 1 [1 - **1** - **39**].
Great Soppo Forest: 21 August 1969: Ngam, V.N.: ROM: 2 [2 - **2**] - 23 August 1969: Ngam, V.N.: ROM: 1 [1 - **1**] - 17 September 1969: Ngam, V.N.: ROM: 3 [3 - **3**] - 2 October 1969: Ngam, V.N.: ROM: 1 [1 - **1**] - 22 March 1970: Ngam, V.N.: ROM: 3 [3 - **3**] - 25 March 1970: Ngam, V.N.: ROM: 3 [3 - **3**] - 27 March 1970: Ngam, V.N.: ROM: 10 [10 - **10**] - 28 March 1970: Ngam, V.N.: ROM: 8 [8 - **8**] - 13 May 1970: Ngam, V.N.: ROM: 11 [11 - **11** - **42**].
Guemé: 23 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 146 [146 - **146**] - 26 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2** - **148**].
Gwando: Collection Date Unknown: Jones, Theo Simpson: ROM: 74 [74 - **74** - **74**].
Hardé 2: 12 January 2011: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1**] - 18 January 2011: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1**] - 3 March 2011: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1** - **3**].
Hippopotamus Campside: 1 March 1985: Van der Zon, A.P.M.: ZMA: 2 [2 - **2** - **2**].
Huki: Collection Date Unknown: Sjöstedt, Bror Yngve: ZMB: 1 [1 - **1** - **1**].
Ibid: 15 December 1913: Haas, A.: SMF: 1 [1 - **1** - **1**].
Idenao: Collection Date Unknown: Jones, Theo Simpson: ROM: 3 [3 - **3**] - 27 February 1967: Jones, Theo Simpson: ROM: 22 [22 - **22** - **25**].
in forest across Mungo River: Collection Date Unknown: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Indian Estates: Collection Date Unknown: Jones, Theo Simpson: BMNH: 2 [2 - **2**] - 2 May 1968: Jones, Theo Simpson: ROM: 8 [8 - **8** - **10**].
Isobi: 11 March 1958: Eisentraut, Martin: RBINS: 1 [1 - **1** - **1**].
Isobi, Larger VI: Collection Date Unknown: Eisentraut, Martin: ZFMK: 17 [17 - **17** - **17**].
Isongo: Collection Date Unknown: : ZMH: 1 [1 - **1**] - 2 December 1914: Retzlaff, M.: ZMH: 1 [1 - **1** - **2**].
Isongo [=Izongo]: Collection Date Unknown: Eisentraut, Martin: ZMB: 19 [19 - **19** - **19**].
Kalamaloué forest and game reserve: 20 September 1988: Van der Zon, A.P.M.: ZMA: 1 [1 - **1** - **1**].
Kanyol Village: 16 June 1932: Merfield, F.G.: BMNH: 1 [1 - **1** - **1**].
Keboko, 8 km W: Collection Date Unknown: Peterson, Randolph L.: ROM: 3 [3 - **3**] - 18 January 1970: Peterson, Randolph L.: ROM: 8 [8 - **8** - **11**].
Khmba [=? Kumba?]: 1 November 1975: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Kiribi, 14 km N: Collection Date Unknown: Peterson, Randolph L.: ROM: 2 [2 - **2**] - 20 February 1970: Peterson, Randolph L.: ROM: 3 [3 - **3**] - 21 February 1970: Peterson, Randolph L.: ROM: 3 [3 - **3**] - 22 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1** - **9**].
Kiribi, 4 km E: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 20 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1** - **2**].
Kiribi, 7 km E: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 20 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1** - **2**].
Kiribi, 9 km N: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 21 February 1970: Peterson, Randolph L.: ROM: 2 [2 - **2**] - 22 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1** - **4**].
Kiribi, 9 km W: 21 February 1970: Peterson, Randolph L.: ROM: 2 [2 - **2** - **2**].
Klein Batonga: Collection Date Unknown: Kaiser: ZMB: 1 [1 - **1** - **1**].
Kloa: 6 May 1969: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Kombé-Tiko: 2 February 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 5 [5 - **5**] - 4 February 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 3 [3 - **3**] - 5 February 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1** - **9**].
Kong: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Korup National Park: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].
Koum: 22 January 1976: Verheyen, Walter N.: RMCA: 1 [1 - **1** - **1**].
Kounden: 22 May 1973: Prévost, J.: MNHN: 1 [1 - **1**] - 14 December 1975: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 2 [2 - **2**] - 26 December 1975: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 6 [6 - **6**] - 27 December 1975: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 4 [4 - **4**] - 29 December 1975: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1**] - 30 December 1975: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1**] - 1 January 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 3 [3 - **3**] - 2 January 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1**] - 1 February 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1** - **20**].
Kousri: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Koutaba: 19 May 1973: Prévost, J.: MNHN: 2 [2 - **2**] - 20 May 1973: Prévost, J.: MNHN: 2 [2 - **2** - **4**].
Koza: 12 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1**] - 13 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 8 [8 - **8**] - 14 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 8 [8 - **8**] - 15 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 2 [2 - **2**] - 16 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 8 [8 - **8**] - 17 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 21 [21 - **21**] - 18 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 2 [2 - **2**] - 19 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 7 [7 - **7**] - 20 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1**] - 21 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 6 [6 - **6** - **64**].
Kribi: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7]; Glen, Robert M.: ROM: 1 [1]; Morgen: ZMB: 1 [1]; Prévost, J.: MNHN: 10 [10 - **19**] - 21 February 1904: Mann: ZMH: 1 [1 - **1**] - 1 January 1911: Schwab, George W.: MCZ: 2 [2 - **2**] - 17 February 1920: Reis, J.A.: CM: 1 [1 - **1**] - 14 January 1947: Aellen, Villy; Monard, Albert: MHNG: 1 [1 - **1**] - 10 February 1966: Lawler, R.S.: ROM: 1 [1 - **1**] - 11 September 1969: Glen, Robert M.: ROM: 9 [9 - **9**] - 21 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 16 April 1973: Prévost, J.: MNHN: 1 [1 - **1**] - 17 April 1973: Prévost, J.: MNHN: 2 [2 - **2** - **38**].
Kribi, 7 mi N: Collection Date Unknown: Glen, Robert M.: ROM: 1 [1 - **1** - **1**].
Kribi, 8 km SE: 22 February 1970: Peterson, Randolph L.: ROM: 3 [3]; Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **4** - **4**].
Kumba: Collection Date Unknown: ?: Collector Unknown: ROM: 2 [2]; Lawler, R.S.: ROM: 52 [52]; Miller, Charles D.: YPM: 4 [4]; Peterson, Randolph L.: ROM: 22 [22 - **80**] - 1 January 1958: Eisentraut, Martin: USNM: 1 [1 - **1**] - 23 February 1958: Eisentraut, Martin: USNM: 1 [1 - **1**] - 17 February 1966: Lawler, R.S.: ROM: 11 [11 - **11**] - 19 February 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 21 February 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 23 February 1966: Lawler, R.S.: ROM: 3 [3 - **3**] - 1 December 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 14 May 1969: Ngam, V.N.: ROM: 2 [2 - **2**] - 18 May 1969: Ngam, V.N.: ROM: 1 [1 - **1**] - 15 June 1969: Ngam, V.N.: ROM: 9 [9 - **9**] - 19 June 1969: Ngam, V.N.: ROM: 1 [1 - **1**] - 21 June 1969: Ngam, V.N.: ROM: 4 [4 - **4**] - 24 June 1969: Ngam, V.N.: ROM: 5 [5 - **5**] - 25 June 1969: Ngam, V.N.: ROM: 4 [4 - **4**] - 22 January 1970: Peterson, Randolph L.: ROM: 4 [4 - **4**] - 23 January 1970: Peterson, Randolph L.: ROM: 4 [4]; Peterson, Randolph L.; *et al.*: ROM: 1 [1]; Peterson, Randolph L.; Glen, Robert M.; Curry, Noreen: ROM: 1 [1 - **6**] - 24 January 1970: Peterson, Randolph L.: ROM: 2 [2 - **2**] - 25 January 1970: Peterson, Randolph L.: ROM: 9 [9 - **9**] - 28 January 1970: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 17 February 1970: Lawler, R.S.: ROM: 1 [1 - **1**] - 14 January 1973: Miller, Charles D.: YPM: 1 [1 - **1**] - 24 October 1975: Wilson, Don Ellis: USNM: 4 [4 - **4**] - 25 October 1975: Wilson, Don Ellis: USNM: 4 [4 - **4**] - 26 October 1975: Wilson, Don Ellis: USNM: 5 [5 - **5**] - 12 November 1975: Wilson, Don Ellis: USNM: 1 [1 - **1** - **165**].
Kumba region: Collection Date Unknown: Ngam, V.N.: ROM: 20 [20 - **20**] - 16 April 1969: Ngam, V.N.: ROM: 1 [1 - **1**] - 25 April 1969: Ngam, V.N.: ROM: 2 [2 - **2**] - 7 May 1969: Ngam, V.N.: ROM: 1 [1 - **1**] - 8 May 1969: Ngam, V.N.: ROM: 9 [9 - **9**] - 14 May 1969: Ngam, V.N.: ROM: 4 [4 - **4**] - 15 May 1969: Ngam, V.N.: ROM: 7 [7 - **7**] - 16 May 1969: Ngam, V.N.: ROM: 5 [5 - **5**] - 17 May 1969: Ngam, V.N.: ROM: 6 [6 - **6**] - 18 May 1969: Ngam, V.N.: ROM: 8 [8 - **8**] - 22 May 1969: Ngam, V.N.: ROM: 8 [8 - **8**] - 30 May 1969: Ngam, V.N.: ROM: 2 [2 - **2**] - 2 June 1969: Ngam, V.N.: ROM: 4 [4 - **4**] - 5 June 1969: Ngam, V.N.: ROM: 1 [1 - **1**] - 6 June 1969: Ngam, V.N.: ROM: 8 [8 - **8**] - 7 June 1969: Ngam, V.N.: ROM: 5 [5 - **5**] - 8 June 1969: Ngam, V.N.: ROM: 5 [5 - **5**] - 10 June 1969: Ngam, V.N.: ROM: 2 [2 - **2** - **98**].
Kumba, 15 km S: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1]; Peterson, Randolph L.: ROM: 4 [4 - **5**] - 25 January 1970: Peterson, Randolph L.: ROM: 8 [8]; Peterson, Randolph L.; *et al.*: ROM: 11 [11 - **19**] - 27 January 1970: Peterson, Randolph L.: ROM: 9 [9]; Peterson, Randolph L.; *et al.*: ROM: 11 [11 - **20** - **44**].
Kumba, 19 km S: 27 October 1975: Wilson, Don Ellis: USNM: 6 [6 - **6** - **6**].
Kundja [=Koundja]: Collection Date Unknown: ?: Collector Unknown: ZMB: 2 [2 - **2** - **2**].
Kupe: Collection Date Unknown: Eisentraut, Martin: ZFMK: 2 [2 - **2** - **2**].
Lake Barombi: 25 October 1975: Wilson, Don Ellis: USNM: 1 [1 - **1** - **1**].
Lake Barombi, west side: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1** - **1**].
Lake Baromi,Johan-Albrechtshöhe: Collection Date Unknown: Conradt: ZMB: 1 [1 - **1** - **1**].
Lékoun: Collection Date Unknown: Nomo: RMCA: 2 [2 - **2**] - 12 June 1970: Nomo: RMCA: 8 [8 - **8**] - 29 June 1970: Nomo: RMCA: 6 [6 - **6**] - 25 July 1970: Nomo: RMCA: 1 [1 - **1** - **17**].
Lélo: 1 January 1933: ?: Collector Unknown: NMV: 2 [2 - **2** - **2**].
Leplikoung: 7 December 2012: Bakwo Fils, Eric Moise: GV: 2 [2 - **2** - **2**].

Likomba: 19 March 1968: Jones, Theo Simpson: ROM: 10 [10 - **10** - **10**].
Limbe: Collection Date Unknown: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 27 December 1966: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **2**].
Lobe: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Lolabé: 19 March 1987: Van der Zon, A.P.M.: ZMA: 2 [2 - **2** - **2**].
Lolodorf: Collection Date Unknown: Good, A.I.: CM: 2 [2]; Reis, J.A.: CM: 9 [9 - **11**] - 8 October 1913: Good, A.I.: CM: 1 [1 - **1**] - 20 March 1914: Reis, J.A.: CM: 1 [1 - **1**] - 4 June 1914: Good, A.I.: CM: 1 [1 - **1**] - 14 May 1918: Reis, J.A.: CM: 2 [2 - **2**] - 20 August 1920: Good, A.I.: CM: 2 [2 - **2**] - 9 December 1922: Good, A.I.: CM: 1 [1 - **1**] - 31 December 1924: Good, A.I.: MCZ: 1 [1 - **1**] - 26 September 1927: Good, A.I.: CM: 1 [1 - **1**] - 28 January 1936: Good, A.I.: CM: 2 [2 - **2**] - 15 October 1937: Good, A.I.: CM: 1 [1 - **1**] - 8 April 1938: Good, A.I.: CM: 1 [1 - **1**] - 2 August 1938: Good, A.I.: CM: 1 [1 - **1**] - 15 August 1938: Good, A.I.: CM: 1 [1 - **1**] - 10 September 1938: Good, A.I.: MCZ: 1 [1 - **1** - **28**].
Lolodort: Collection Date Unknown: Lawler, R.S.: ROM: 1 [1 - **1**] - 22 March 1966: Lawler, R.S.: ROM: 5 [5 - **5**] - 23 March 1966: Lawler, R.S.: ROM: 2 [2 - **2** - **8**].
Lombé: 21 November 1975: Scott, Norman J.: MSB: 2, USNM: 4 [6 - **6**] - 24 November 1975: Scott, Norman J.: MSB: 1 [1 - **1**] - 25 November 1975: Scott, Norman J.: MSB: 1 [1 - **1**] - 27 November 1975: Scott, Norman J.: MSB: 1 [1 - **1**] - 30 November 1975: Scott, Norman J.: MSB: 1 [1]; Scott, Norman J.; Ekondo, S.: USNM: 1 [1 - **2**] - 1 December 1975: Scott, Norman J.: MSB: 1 [1 - **1**] - 3 December 1975: Scott, Norman J.: MSB: 2 [2 - **2** - **14**].
Lomié: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1]; Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **2**] - 14 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **1**] - 15 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **1**] - 16 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 8 [8 - **8**] - 17 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **1**] - 2 March 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 1 [1 - **1**] - 4 March 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 2 [2 - **2**] - 26 January 1993: Bergmans, Wim; Meier, Florian: ZMA: 1 [1 - **1**] - 31 January 1993: Bergmans, Wim; Meier, Florian: ZMA: 1 [1 - **1** - **18**].
Lomié district: Collection Date Unknown: Merfield, F.G.: BMNH: 1 [1 - **1** - **1**].
Lomié, 10 km SE: Collection Date Unknown: Ngam, V.N.; Glen, Robert M.: ROM: 26 [26 - **26** - **26**].
Lomié, 4 km from: 17 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Lomié, 40 km N: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 18 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 10 [10]; Ngam, V.N.; Glen, Robert M.: ROM: 2 [2 - **12**] - 19 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 6 [6 - **6** - **19**].
Longji: Collection Date Unknown: Paschen: ZMB: 1 [1 - **1** - **1**].
Lower Ekona: Collection Date Unknown: Peterson, Randolph L.: ROM: 3 [3 - **3** - **3**].
Lulu: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Lumbindu: 31 May 1932: Merfield, F.G.: BMNH: 1 [1 - **1** - **1**].
Ma'an: 13 February 1987: Juste, Javier; Castelo, Ramon: EBD: 13 [13 - **13** - **13**].
Mabetta [= Maneta]: Collection Date Unknown: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 25 January 1966: Jones, Theo Simpson: ROM: 4 [4 - **4**] - 1 November 1966: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 1 January 1967: Jones, Theo Simpson: ROM: 3 [3 - **3** - **10**].
Makabay: 14 January 2011: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1** - **1**].
Malako River: Collection Date Unknown: Peterson, Randolph L.: ROM: 2 [2 - **2**] - 11 February 1970: Peterson, Randolph L.: ROM: 14 [14 - **14** - **16**].
Malanga: Collection Date Unknown: Melchow: ZMB: 1 [1 - **1** - **1**].
Malende swamp area: Collection Date Unknown: Ngam, V.N.: ROM: 9 [9 - **9**] - 8 December 1957: Eisentraut, Martin: SMNS: 1, ZFMK: 2 [3 - **3**] - 10 December 1957: Eisentraut, Martin: ZFMK: 1 [1 - **1**] - 10 December 1970: Ngam, V.N.: ROM: 4 [4 - **4** - **17**].
Malene I village: 30 November 2007: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Mamfe: Collection Date Unknown: : BMNH: 2 [2]; Mack: ZMB: 1 [1]; Sanderson, Ivan T.: BMNH: 1 [1 - **4**] - 10 December 1932: Sanderson, Ivan T.: BMNH: 1 [1 - **1**] - 10 December 1967: LeDuc, James W.: USNM: 15 [15 - **15**] - 24 April 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 3 [3 - **3** - **23**].
Mamfe, 12 km SE: 4 December 1971: Robbins, Lynn W.: AMNH: 4 [4 - **4**] - 5 December 1971: Gruwell, J.A.: TTU: 4 [4]; Robbins, Lynn W.: AMNH: 4 [4]; Robwell, L.J.: TTU: 1 [1 - **9**] - 6 December 1971: Robbins, Lynn W.: AMNH: 7 [7 - **7** - **20**].
Mamfe, 15 km SE: 6 December 1971: Gruwell, J.A.: TTU: 8 [8]; Robbins, Lynn W.: AMNH: 1 [1]; Robwell, L.J.: TTU: 2 [2 - **11**] - 7 December 1971: Gruwell, J.A.: TTU: 2 [2]; Robbins, Lynn W.: AMNH: 2 [2 - **4**] - 8 December 1971: Gruwell, J.A.: TTU: 1 [1 - **1**] - 9 December 1971: Gruwell, J.A.: TTU: 3 [3]; Robbins, Lynn W.: AMNH: 3 [3]; Robwell, L.J.: TTU: 1 [1 - **7**] - 10 December 1971: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **24**].
Man O'War Bay: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 26 January 1970: Peterson, Randolph L.: ROM: 6 [6 - **6** - **7**].
Mana bridge: 6 December 2007: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 7 December 2007: ?: Collector Unknown: MNHN: 7 [7 - **7**] - 8 December 2007: ?: Collector Unknown: MNHN: 5 [5 - **5** - **16**].
Manengouba, mount: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Mang: 19 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 9 [9 - **9**] - 20 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 5 [5 - **5**] - 21 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 3 [3 - **3**] - 22 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 5 [5 - **5**] - 23 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 4 [4 - **4**] - 24 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 4 [4 - **4** - **30**].
Mangamba: 8 December 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 13 December 1970: Ngam, V.N.: ROM: 2 [2 - **2**] - 20 December 1970: Ngam, V.N.: ROM: 1 [1 - **1** - **4**].
Marua: 13 May 1911: : SMF: 1 [1]; Herzog, A.T.M.: SMF: 1 [1 - **2** - **2**].
Mawutu Village: Collection Date Unknown: ?: Collector Unknown: ROM: 2 [2]; Ngam, V.N.: ROM: 6 [6 - **8**] - 9 June 1973: Ngam, V.N.: ROM: 38 [38 - **38** - **46**].
Mayo Darle, 10 km N: 4 February 1970: Peterson, Randolph L.: ROM: 5 [5 - **5** - **5**].
Mayo Darle, 6 km N: 3 February 1970: Peterson, Randolph L.: ROM: 11 [11 - **11** - **11**].
Mayo Vaimba river: 4 February 1986: Van der Zon, A.P.M.: ZMA: 1 [1 - **1**] - 4 November 1986: Van der Zon, A.P.M.: ZMA: 4 [4 - **4** - **5**].
Mayuka: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Mbakaou: 14 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 6 [6 - **6**] - 16 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 11 [11 - **11**] - 17 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3**] - 18 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 7 [7 - **7** - **27**].
Mbalmayo: 22 September 1964: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Mbalmayo road: Collection Date Unknown: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].
Mbalmayo, probably near: 1 January 1913: Schwab, George W.: MCZ: 18 [18 - **18** - **18**].
Mbokaon: 16 April 1973: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 17 April 1973: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **2**].
Mbonde Pygmee: 23 November 2007: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Mbonge: 16 November 1965: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
M'Bonge: Collection Date Unknown: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 20 November 1965: Jones, Theo Simpson: ROM: 1 [1 - **1** - **2**].
Mbouda, 15 km SSE: 29 January 1970: Peterson, Randolph L.: ROM: 14 [14]; Peterson, Randolph L.; Glen, Robert M.: ROM: 13 [13 - **27**] - 30 January 1970: Peterson, Randolph L.: ROM: 2 [2]; Peterson, Randolph L.; Glen, Robert M.: ROM: 11 [11 - **13**] - 31 January 1970: Peterson, Randolph L.: ROM: 2 [2 - **2** - **42**].
M'Boumo: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Meanja: Collection Date Unknown: Ngam, V.N.: ROM: 1 [1 - **1**] - 1 January 1968: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 23 August 1969: Glen, Robert M.: ROM: 3 [3 - **3**] - 26 August 1969: Glen, Robert M.: ROM: 3 [3 - **3**] - 13 February 1972: Ngam, V.N.: FMNH: 4 [4 - **4**] - 13 February 1973: Ngam, V.N.: FMNH: 1 [1 - **1**] - 27 May 1973: Ngam, V.N.: ROM: 5 [5 - **5** - **18**].
Meïganga: 23 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 2 [2 - **2**] - 24 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 6 [6 - **6**] - 25 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 1 [1 - **1**] - 26 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 2 [2 - **2** - **11**].
Melen: 14 September 1965: Balla: RMCA: 1 [1 - **1**] - 11 April 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1** - **2**].
Meng River: 6 February 1970: Peterson, Randolph L.: ROM: 2 [2 - **2**] - 7 February 1970: Peterson, Randolph L.: ROM: 11 [11 - **11**] - 8 February 1970: Peterson, Randolph L.: ROM: 9 [9 - **9** - **22**].
Mengeme Village: Collection Date Unknown: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Mesea: 6 March 1977: Philippart de Foy, Guy: RMCA: 12 [12 - **12**] - 7 March 1977: Philippart de Foy, Guy: RMCA: 4 [4 - **4**] - 10 March 1977: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 13 March 1977: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - 14 March 1977: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 17 March 1977: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - 18 March 1977: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 27 March 1977: Philippart de Foy, Guy: RMCA: 6 [6 - **6** - **29**].
Metchum River: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 31 January 1970: Peterson, Randolph L.: ROM: 6 [6 - **6** - **7**].
Metet: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1]; : AMNH: 1 [1 - **2**] - 1 January 1913: Schwab, George W.: AMNH: 1, MCZ: 35 [36 - **36**] - 1 April 1916: Schwab, George W.: MCZ: 1 [1 - **1**] - 2 June 1916: Schwab, George W.: MCZ: 1 [1 - **1** - **40**].
Mey Joss Village: 11 July 1932: Merfield, F.G.: BMNH: 1 [1 - **1** - **1**].
Meyo Nkoulou: 23 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 3 [3 - **3**] - 24 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 21 [21 - **21**] - 25 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 9 [9 - **9**] - 27 March 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 11 [11 - **11** - **44**].
Miéri: 28 January 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 5 [5 - **5**] - 30 January 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 3 [3 - **3**] - 1 February 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 25 [25 - **25** - **33**].
Mintjaminyumin: 25 March 1953: Perret, J.L.: ZFMK: 1 [1 - **1** - **1**].
Mizao: 14 January 2011: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1**] - 19 February 2011: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1**] - 20 February 2011: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1** - **3**].
Mkwikane cave: Collection Date Unknown: Peterson, Randolph L.: ROM: 8 [8 - **8** - **8**].
Moba [stream]: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Mobange-Isongo: 3 March 1938: Eisentraut, Martin: SMNS: 2 [2 - **2**] - 9 March 1938: Eisentraut, Martin: SMNS: 3 [3 - **3** - **5**].
Mokolo: 15 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 16 [16 - **16**] - 16 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2**] - 17 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 15 [15 - **15**] - 18 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2**] - 19 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 3 [3 - **3** - **38**].
Mokolo - Mayo Louti: 15 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 3 [3 - **3**] - 16 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2**] - 17 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 10 [10 - **10**] - 18 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 17 [17 - **17**] - 19 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 17 [17 - **17**] - 20 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 5 [5 - **5**] - 21 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 1 [1 - **1** - **55**].
Moliko: Collection Date Unknown: Ngam, V.N.: ROM: 1 [1 - **1**] - 8 October 1969: Ngam, V.N.: ROM: 2 [2 - **2**] - 11 October 1969: Ngam, V.N.: ROM: 2 [2 - **2** - **5**].
Moliko, CDC Banana plantation: Collection Date Unknown: Ngam, V.N.: ROM: 2 [2 - **2**] - 8 October 1969: Ngam, V.N.: ROM: 1 [1 - **1**] - 11 October 1969: Ngam, V.N.: ROM: 13 [13 - **13** - **16**].
Moliwe: 1 June 1965: Jones, Theo Simpson: ROM: 4 [4 - **4** - **4**].
Mount Cameroon: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 21 June 1934: Boulton, Rudyerd: FMNH: 3 [3 - **3**] - 2 July 1934: Boulton, Rudyerd: FMNH: 10 [10 - **10**] - 6 February 1958: Eisentraut, Martin: USNM: 1 [1 - **1**] - 12 March 1958: Eisentraut, Martin: USNM: 1 [1 - **1**] - 18 March 1958: Eisentraut, Martin: USNM: 1 [1 - **1**] - 5 January 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 7 March 1981: Eyckerman: RMCA: 1 [1 - **1** - **19**].
Mount Cameroon, south side: 2 January 1984: Fedden, M.O.; MacLeod, H.L.: BMNH: 1 [1 - **1** - **1**].
Mount Kupe: Collection Date Unknown: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
Mount Manengouba: Collection Date Unknown: Prévost, J.: MNHN: 10 [10 - **10**] - 30 November 1973: Prévost, J.: MNHN: 1 [1 - **1**] - 4 September 1978: Prévost, J.: MNHN: 1 [1 - **1** - **12**].
Mountain Hut 1: Collection Date Unknown: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Mpundu: Collection Date Unknown: Ngam, V.N.: ROM: 1 [1 - **1**] - 29 March 1970: Ngam, V.N.: ROM: 9 [9 - **9**] - 25 July 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 13 February 1973: Ngam, V.N.: FMNH: 1 [1 - **1**] - 4 March 1973: Ngam, V.N.: ROM: 2 [2 - **2**] - 7 March 1973: Ngam, V.N.: ROM: 1 [1 - **1** - **15**].
Mubange [=Mobange-Isongo]: Collection Date Unknown: Eisentraut, Martin: ZMB: 2 [2 - **2** - **2**].

Mueli, Lager V: Collection Date Unknown: Eisentraut, Martin: ZFMK: 11 [11 - **11**] - 20 February 1958: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **12**].
Mukonje: Collection Date Unknown: Eisentraut, Martin: ZMB: 13 [13]; Jones, Theo Simpson: ROM: 98 [98 - **111**] - 10 December 1965: Jones, Theo Simpson: ROM: 4 [4 - **4**] - 22 December 1965: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 12 February 1966: Jones, Theo Simpson: ROM: 3 [3 - **3**] - 20 June 1966: ?: Collector Unknown: BRTC: 2 [2 - **2** - **121**].
Mukowje: Collection Date Unknown: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Mungo Anchoncho [Moungo river?]: Collection Date Unknown: Buchholz: ZMB: 5 [5 - **5** - **5**].
Murkoryé: 1 January 1905: Rhode: MHNG: 1 [1 - **1** - **1**].
Musaké: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 1 June 1939: ?: Collector Unknown: MNHN: 1 [1 - **1** - **4**].
Muyuka [= Muea]: Collection Date Unknown: Ngam, V.N.: ROM: 7 [7 - **7**] - 1 November 1966: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 23 August 1969: Glen, Robert M.: ROM: 3 [3 - **3**] - 26 June 1970: Ngam, V.N.: ROM: 2 [2 - **2**] - 27 June 1970: Ngam, V.N.: ROM: 6 [6 - **6**] - 28 June 1970: Ngam, V.N.: ROM: 2 [2 - **2**] - 6 July 1970: Ngam, V.N.: ROM: 2 [2 - **2**] - 7 December 1972: Miller, Charles D.: YPM: 1 [1 - **1** - **25**].
Muyuna Town: 29 June 1970: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Mvenge, 6 km W: 16 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 17 February 1970: Peterson, Randolph L.: ROM: 5 [5 - **5**] - 18 February 1970: Peterson, Randolph L.: ROM: 4 [4 - **4** - **10**].
Mvengue [=Mvengu], 3 km W, 1 km N: Collection Date Unknown: Peterson, Randolph L.: ROM: 11 [11 - **11** - **11**].
Mvengue, 3 km W, 1 km N: 18 February 1970: Peterson, Randolph L.: ROM: 3 [3 - **3** - **3**].
Nachtigal: 9 May 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 8 [8 - **8**] - 11 May 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 12 [12 - **12**] - 12 May 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 18 [18 - **18** - **38**].
Nanga-Eboko, 30 km E: 18 February 1972: Gruwell, J.A.: TTU: 13 [13]; Robbins, Lynn W.: AMNH: 18 [18 - **31**] - 19 February 1972: Gruwell, J.A.: TTU: 3 [3]; Robbins, Lynn W.: AMNH: 3 [3 - **6** - **37**].
Nanga-Eboko, 82 km NE: 15 February 1972: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Ndian [river]: Collection Date Unknown: Sjöstedt, Bror Yngve: ZMB: 3 [3 - **3** - **3**].
Ndjolé: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ndjole, 4 km N: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1** - **1**].
Ndjole, 6 km N: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 10 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1** - **2**].
near Lake Koto Barombi, Larger IV: Collection Date Unknown: Eisentraut, Martin: ZFMK: 3 [3 - **3** - **3**].
Nemeyong I: 29 November 2007: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 30 November 2007: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 December 2007: ?: Collector Unknown: MNHN: 1 [1 - **1** - **4**].
Ngaaouyanga: 11 July 1947: Aellen, Villy; Monard, Albert: MHNC: 1 [1 - **1**] - 18 July 1949: Aellen, Villy: MHNG: 1 [1 - **1** - **2**].
Ngam: 8 January 1953: Perret, J.L.: ZFMK: 1 [1 - **1**] - 10 December 1953: Perret, J.L.: MHNG: 1 [1 - **1** - **2**].
Ngaoundéré: 7 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1**] - 14 July 1978: Williams, S.H.: CM: 1 [1 - **1** - **2**].
Ngaoundéré, 13 km S: 17 July 1978: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].
Ngaoundéré, 14 km N: 6 April 1972: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **1**].
Ngaoundéré, 14 km S: 6 April 1972: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 7 April 1972: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 9 April 1972: Gruwell, J.A.: TTU: 2 [2 - **2**] - 12 April 1972: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **7**].
Ngaoundéré, 85 km S: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ngobilo: 11 September 1931: Reis, J.A.: FMNH: 1 [1 - **1** - **1**].
Ngoumé: Collection Date Unknown: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 21 April 1971: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 27 June 1971: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 21 April 1977: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 22 April 1977: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - 25 April 1977: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - 26 April 1977: Philippart de Foy, Guy: RMCA: 3 [3 - **3**] - 27 April 1977: Philippart de Foy, Guy: RMCA: 1 [1 - **1** - **12**].
Nguilili: 27 March 1977: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 28 March 1977: Philippart de Foy, Guy: RMCA: 6 [6 - **6**] - 29 March 1977: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - 30 March 1977: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 31 March 1977: Philippart de Foy, Guy: RMCA: 1 [1 - **1**] - 1 April 1977: Philippart de Foy, Guy: RMCA: 2 [2 - **2**] - 2 April 1977: Philippart de Foy, Guy: RMCA: 2 [2 - **2** - **15**].
Njia, SW: 1 November 1912: Houg: SMF: 1 [1 - **1** - **1**].
Njombo River: Collection Date Unknown: ?: Collector Unknown: ROM: 7 [7]; Glen, Robert M.; Ngam, V.N.: ROM: 1 [1]; Ngam, V.N.; Glen, Robert M.: ROM: 1 [1 - **9**] - 1 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1 - **1**] - 13 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 38 [38 - **38**] - 19 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 2 [2 - **2**] - 20 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 22 [22 - **22**] - 21 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 27 [27]; Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **28**] - 22 June 1970: Glen, Robert M.; Ngam, V.N.: ROM: 5 [5 - **5** - **105**].
Nki National Park: Collection Date Unknown: ?: Collector Unknown: HNHM: 1 [1 - **1** - **1**].
Nkoélon village: 19 November 2007: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 20 November 2007: ?: Collector Unknown: MNHN: 6 [6 - **6**] - 21 November 2007: ?: Collector Unknown: MNHN: 7 [7 - **7**] - 24 November 2007: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 25 November 2007: ?: Collector Unknown: MNHN: 1 [1 - **1** - **17**].
Nkoélon-Mvini: 21 November 2007: Hassanin, Alexandre: MNHN: 1 [1 - **1** - **1**].
Nkolbisson: 5 May 1973: Prévost, J.: MNHN: 2 [2 - **2** - **2**].
Nkolé Koul village: 1 December 2007: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Nkometou: 9 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2**] - 10 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 5 [5 - **5**] - 11 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 2 [2 - **2**] - 12 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 3 [3 - **3**] - 13 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 5 [5 - **5** - **17**].
Nojole, 12 km S: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1** - **1**].
Nojole, 6 km N: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1** - **1**].
Nsannakang [=Nsanakang]: Collection Date Unknown: Diehl, E.: ZMB: 4 [4 - **4** - **4**].
Ntui: 11 November 1973: Prévost, J.: MNHN: 5 [5 - **5** - **5**].
Ntui, 11 km N: 11 November 1973: Prévost, J.: MNHN: 2 [2 - **2** - **2**].
Ntui, 7 km N: 11 November 1973: Prévost, J.: MNHN: 4 [4 - **4** - **4**].
Nyasoso: 14 February 1960: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **1**].
Nyong River, near: 1 January 1913: Schwab, George W.: MCZ: 1 [1 - **1** - **1**].
Obala: 11 March 1933: Merfield, F.G.: PCMB: 1 [1 - **1**] - 2 May 1933: Merfield, F.G.: PCMB: 1 [1 - **1** - **2**].

Obala, 12 km S, 11 km E: Collection Date Unknown: Peterson, Randolph L.: ROM: 4 [4 - **4**] - 12 February 1970: Peterson, Randolph L.: ROM: 5 [5 - **5**] - 13 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1** - **10**].
Obala, 12 km S, 4 km E: Collection Date Unknown: ?: Collector Unknown: ROM: 2 [2]; Peterson, Randolph L.: ROM: 5 [5 - **7**] - 18 January 1970: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 19 January 1970: Peterson, Randolph L.: ROM: 13 [13 - **13**] - 20 January 1970: Peterson, Randolph L.: ROM: 5 [5 - **5**] - 12 February 1970: Peterson, Randolph L.: ROM: 15 [15]; Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **17**] - 13 February 1970: Peterson, Randolph L.: ROM: 5 [5 - **5** - **48**].
Obala, 30 km N, 40 km E: 4 July 1978: Robbins, Lynn W.; Robbins, R. Laurie: CM: 1 [1 - **1** - **1**].
Obala, 55 km NE: 13 February 1972: Gruwell, J.A.: TTU: 1 [1]; Robbins, Lynn W.: AMNH: 4 [4]; Robwell, L.J.: TTU: 1 [1 - **6**] - 14 February 1972: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **7**].
Obala, 6 km E: 1 June 2000: Patton, James L.: MVZ: 3 [3 - **3** - **3**].
Obala, 82 km NE: 14 February 1972: Gruwell, J.A.: TTU: 2 [2]; Robbins, Lynn W.: AMNH: 4 [4]; Robwell, L.J.: TTU: 1 [1 - **7** - **7**].
Okola: 21 January 1972: Gruwell, J.A.: TTU: 4 [4]; Robbins, Lynn W.: AMNH: 8 [8]; Robwell, L.J.: TTU: 5 [5 - **17**] - 22 January 1972: Gruwell, J.A.: TTU: 1 [1]; Robbins, Lynn W.: AMNH: 2 [2]; Robwell, L.J.: TTU: 4 [4 - **7** - **24**].
Olangina: 8 August 1929: : PCMB: 1 [1 - **1** - **1**].
Olounou: 12 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1**] - 13 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1**] - 14 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 3 [3 - **3**] - 16 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1**] - 17 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 2 [2 - **2**] - 18 September 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1** - **9**].
Ongoo: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1** - **1**].
Ongoo near Mukono: Collection Date Unknown: Peterson, Randolph L.: ROM: 20 [20 - **20**] - 24 January 1970: Peterson, Randolph L.: ROM: 15 [15 - **15** - **35**].
Ongoonear Mukono, Kumba: Collection Date Unknown: Peterson, Randolph L.: ROM: 5 [5 - **5** - **5**].
Ossa, Lake: Collection Date Unknown: Rohde: ZMB: 1 [1 - **1** - **1**].
Ossidinge [=Mamfe]: Collection Date Unknown: Mansfeld: ZMB: 9 [9 - **9** - **9**].
Ototomo: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Oveng: 4 April 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 16 [16 - **16** - **16**].
Poli: 7 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 1 [1 - **1**] - 8 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 5 [5 - **5**] - 9 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 9 [9 - **9**] - 11 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 3 [3 - **3**] - 12 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 14 [14 - **14**] - 13 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 8 [8 - **8**] - 14 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 24 [24 - **24**] - 15 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 26 [26 - **26** - **90**].
Pont Rouge: 14 January 2011: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1**] - 18 January 2011: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1**] - 20 February 2011: Bakwo Fils, Eric Moise: LZUM: 2 [2 - **2** - **4**].
Pont Vert: 19 January 2011: Bakwo Fils, Eric Moise: LZUM: 1 [1 - **1** - **1**].
Rei Bouba: 13 September 1947: MSS Cameroun: MHNC: 2 [2 - **2**] - 16 September 1947: Aellen, Villy: MHNG: 1 [1 - **1** - **3**].
Rumysi Hilus: Collection Date Unknown: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
Sakbayeme: Collection Date Unknown: Schwab, George W.: MCZ: 2 [2 - **2**] - 1 January 1920: Schwab, George W.: FMNH: 1, MCZ: 13 [14 - **14**] - 17 September 1920: Schwab, George W.: MCZ: 1 [1 - **1**] - 1 January 1922: Schwab, George W.: MCZ: 2 [2 - **2**] - 1 January 1924: Schwab, George W.: MCZ: 2 [2 - **2**] - 21 August 1924: Reis, J.A.: FMNH: 3 [3 - **3**] - 1 January 1925: Schwab, George W.: MCZ: 1 [1 - **1**] - 27 May 1925: Schwab, George W.: MCZ: 1 [1 - **1**] - 9 September 1925: Schwab, George W.: MCZ: 1 [1 - **1**] - 13 July 1926: Schwab, George W.: MCZ: 1 [1 - **1**] - 27 April 1931: Reis, J.A.: FMNH: 1 [1 - **1**] - 13 June 1931: Reis, J.A.: FMNH: 1 [1 - **1**] - 29 July 1931: Reis, J.A.: FMNH: 1 [1 - **1**] - 7 August 1931: Reis, J.A.: FMNH: 1 [1 - **1**] - 3 December 1932: Reis, J.A.: FMNH: 1 [1 - **1** - **33**].
Sakbayémé, 26 km NE: 30 May 2000: Patton, James L.: MVZ: 3 [3 - **3** - **3**].
Sakbayeme, Masok: 12 August 1931: Reis, J.A.: FMNH: 8 [8 - **8** - **8**].
Sangmelima: Collection Date Unknown: Good, A.I.: CM: 3 [3]; Rolle, Hermann: ZMB: 1 [1 - **4**] - 30 March 1933: Good, A.I.: MCZ: 1 [1 - **1**] - 14 May 1933: Good, A.I.: CM: 1 [1 - **1**] - 22 May 1933: Good, A.I.: CM: 1 [1 - **1**] - 6 February 1934: Good, A.I.: MCZ: 1 [1 - **1**] - 3 May 1934: Good, A.I.: CM: 1 [1 - **1**] - 15 August 1934: Good, A.I.: MCZ: 1 [1 - **1**] - 17 August 1934: Good, A.I.: MCZ: 1 [1 - **1** - **11**].
Saxenhof: 1 April 1968: Jones, Theo Simpson: ROM: 3 [3 - **3**] - 14 May 1968: Jones, Theo Simpson: ROM: 1 [1 - **1** - **4**].
Sir: 12 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 1 [1 - **1**] - 13 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 22 [22 - **22**] - 15 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 4 [4 - **4** - **27**].
small Soppo: Collection Date Unknown: Ngam, V.N.: ROM: 9 [9 - **9**] - 24 May 1970: Ngam, V.N.: ROM: 1 [1 - **1**] - 9 June 1970: Ngam, V.N.: ROM: 2 [2 - **2**] - 11 April 1971: Ngam, V.N.: ROM: 1 [1 - **1**] - 30 April 1973: Ngam, V.N.: ROM: 7 [7 - **7**] - 5 May 1973: Ngam, V.N.: ROM: 9 [9 - **9** - **29**].
small Soppo forest: Collection Date Unknown: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].
Somalomo: 10 February 1987: Van der Zon, A.P.M.: ZMA: 6 [6 - **6**] - 11 February 1987: Van der Zon, A.P.M.: ZMA: 2 [2 - **2**] - 12 February 1987: Van der Zon, A.P.M.: ZMA: 5 [5 - **5**] - 18 January 1989: Van der Zon, A.P.M.: ZMA: 2 [2 - **2**] - 20 January 1989: Van der Zon, A.P.M.: ZMA: 1 [1 - **1** - **16**].
Son Jem: 16 September 1931: Reis, J.A.: FMNH: 4 [4 - **4** - **4**].
Sou Mou River: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 13 February 1970: Glen, Robert M.; Ngam, V.N.: ROM: 1 [1]; Peterson, Randolph L.: ROM: 2 [2]; Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: ROM: 1 [1 - **4**] - 14 February 1970: Peterson, Randolph L.: ROM: 5 [5 - **5**] - 15 February 1970: Peterson, Randolph L.: ROM: 8 [8]; Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: ROM: 2 [2 - **10**] - 16 February 1970: Peterson, Randolph L.: ROM: 4 [4]; Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: ROM: 1 [1 - **5** - **25**].
Soumo River: Collection Date Unknown: Peterson, Randolph L.: ROM: 3 [3 - **3** - **3**].
Soumou River: Collection Date Unknown: Peterson, Randolph L.: ROM: 2 [2]; Peterson, Randolph L.; Glen, Robert M.; Imbayi, Philip: ROM: 1 [1 - **3** - **3**].
Sousak: 28 October 1924: Schwab, George W.: MCZ: 1 [1 - **1**] - 11 November 1924: Schwab, George W.: MCZ: 1 [1 - **1** - **2**].
Sud-Ouest region: 31 October 1957: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 February 1958: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 February 1958: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 March 1958: ?: Collector Unknown: SMF: 1 [1 - **1**] - 13 February 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 February 1979: ?: Collector Unknown: SMF: 2 [2 - **2**] - 20 February 1979: ?: Collector Unknown: SMF: 6 [6 - **6**] - 25 February 1979: ?: Collector Unknown: SMF: 4 [4 - **4**] - 1 March 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 24 March 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 December 1979:

?: Collector Unknown: SMF: 2 [2 - **2**] - 12 December 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 January 1980: ?: Collector Unknown: SMF: 1 [1 - **1** - **24**].

Tello: 28 September 1974: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1**] - 2 October 1974: Hulselmans, Jan; Louette, Michel: RMCA: 1 [1 - **1** - **2**].

Tibati: Collection Date Unknown: : BMNH: 1 [1]; Peterson, Randolph L.: ROM: 36 [36 - **37**] - 20 May 1947: : MHNC: 9 [9 - **9**] - 13 April 1973: Thys Van den Audenaerde, Dirk; Robbins: RMCA: 11 [11 - **11** - **57**].

Tibati air strip: 6 February 1970: Peterson, Randolph L.: ROM: 34 [34 - **34**] - 7 February 1970: Peterson, Randolph L.: ROM: 46 [46]; Peterson, Randolph L.; Glen, Robert M.: ROM: 1 [1 - **47** - **81**].

Tiko: 9 December 1967: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Tiko, near: 10 December 1967: Jones, Theo Simpson: ROM: 3 [3 - **3** - **3**].

Tisongo, Lake: 10 November 1975: Wilson, Don Ellis: USNM: 1 [1 - **1**] - 12 November 1975: Wilson, Don Ellis: USNM: 9 [9 - **9**] - 13 November 1975: Wilson, Don Ellis: USNM: 5 [5 - **5**] - 14 November 1975: Wilson, Don Ellis: USNM: 3 [3 - **3**] - 15 November 1975: Wilson, Don Ellis: USNM: 4 [4 - **4** - **22**].

Tombel: Collection Date Unknown: : BMNH: 1 [1]; Jones, Theo Simpson: ROM: 4 [4 - **5**] - 21 February 1938: Eisentraut, Martin: ZMB: 1 [1 - **1**] - 3 March 1965: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 26 October 1965: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 10 November 1965: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 22 January 1966: Jones, Theo Simpson: ROM: 3 [3 - **3**] - 7 February 1966: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 22 February 1966: Jones, Theo Simpson: ROM: 9 [9 - **9**] - 4 March 1966: Jones, Theo Simpson: ROM: 13 [13 - **13**] - 8 March 1966: Jones, Theo Simpson: ROM: 19 [19 - **19**] - 9 March 1966: Jones, Theo Simpson: ROM: 3 [3 - **3**] - 10 April 1966: Jones, Theo Simpson: ROM: 3 [3 - **3**] - 12 April 1966: Jones, Theo Simpson: ROM: 7 [7 - **7**] - 14 April 1966: Jones, Theo Simpson: ROM: 14 [14 - **14**] - 15 April 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 17 April 1966: Jones, Theo Simpson: ROM: 33 [33 - **33**] - 23 April 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 3 May 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 12 May 1966: Jones, Theo Simpson: ROM: 5 [5 - **5**] - 23 May 1966: Jones, Theo Simpson: ROM: 5 [5 - **5**] - 3 June 1966: Jones, Theo Simpson: ROM: 7 [7 - **7**] - 23 September 1966: Jones, Theo Simpson: ROM: 28 [28 - **28**] - 10 November 1966: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 16 November 1967: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 10 February 1968: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 20 May 1968: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 16 November 1969: Jones, Theo Simpson: ROM: 1 [1 - **1** - **170**].

Tonde: 1 January 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1**] - 4 April 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1** - **2**].

Tote Tea Forest: 15 May 1970: Ngam, V.N.: ROM: 5 [5 - **5**] - 22 May 1970: Ngam, V.N.: ROM: 4 [4 - **4** - **9**].

Touroua: 9 August 1975: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 2 [2 - **2**] - 9 January 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1**] - 10 January 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 4 [4 - **4**] - 12 January 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 2 [2 - **2**] - 14 January 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 2 [2 - **2**] - 15 January 1976: Verheyen, Walter N.; Puylaert, Firmin A.; Louette, Michel: RMCA: 1 [1 - **1** - **13**].

Victoria: Collection Date Unknown: : BMNH: 2 [2]; Böttcher: ZMB: 1 [1]; Glen, Robert M.: ROM: 1 [1]; Hesselbarth: ZMB: 1 [1]; Krone: ZMB: 1 [1]; Preuss, P.: ZMB: 33 [33]; Strunck: ZMB: 2 [2 - **41**] - 1 January 1907: : SMF: 1 [1]; Valley, O.: SMF: 3 [3 - **4**] - 6 April 1935: Rosevear, Donovan Reginald: BMNH: 1 [1 - **1** - **46**].

village dump: Collection Date Unknown: Ngam, V.N.: ROM: 1 [1 - **1** - **1**].

Wakwa: 16 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 7 [7 - **7**] - 17 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 19 [19 - **19**] - 18 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 29 [29 - **29**] - 19 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 9 [9 - **9**] - 20 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 14 [14 - **14**] - 21 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 7 [7 - **7** - **85**].

Waza: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 32 [32 - **33**] - 27 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 11 [11 - **11**] - 28 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 18 [18 - **18**] - 29 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 26 [26 - **26**] - 30 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 56 [56 - **56**] - 31 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 19 [19 - **19**] - 26 July 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 36 [36 - **36**] - 27 July 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 33 [33 - **33**] - 28 July 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 65 [65 - **65**] - 29 July 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 37 [37 - **37**] - 30 July 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 1 [1 - **1**] - 24 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 6 [6 - **6**] - 25 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 12 [12 - **12**] - 26 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 35 [35 - **35**] - 27 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 116 [116 - **116**] - 28 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 12 [12 - **12**] - 29 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 34 [34 - **34**] - 30 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 63 [63 - **63**] - 31 August 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 24 [24 - **24**] - 11 February 1974: Böhme, Wolfgang; Hartwig: ZFMK: 5 [5 - **5**] - 12 February 1974: Böhme, Wolfgang; Hartwig: ZFMK: 12 [12 - **12** - **654**].

Waza, 35 km N: 8 February 1974: Böhme, Wolfgang; Hartwig: ZFMK: 2 [2 - **2**] - 9 February 1974: Böhme, Wolfgang; Hartwig: ZFMK: 17 [17 - **17** - **19**].

West Cameroon: Collection Date Unknown: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Yabassi: 15 April 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 3 [3 - **3**] - 18 April 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1** - **4**].

Yagoua: Collection Date Unknown: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 1 [1 - **1**] - 24 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 1 [1 - **1**] - 25 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 5 [5 - **5**] - 26 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 10 [10 - **10**] - 27 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 16 [16 - **16**] - 28 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 11 [11 - **11**] - 30 November 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 61 [61 - **61**] - 1 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 15 [15 - **15**] - 2 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 26 [26 - **26**] - 3 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 39 [39 - **39**] - 4 December 1970: Verheyen, Walter N.; De Vree, Frits: RMCA: 5 [5 - **5**] - 3 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 14 [14 - **14**] - 4 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 11 [11 - **11**] - 5 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 35 [35 - **35**] - 6 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 22 [22 - **22**] - 7 August 1971: Puylaert, Firmin A.; Elsen, P.: RMCA: 13 [13 - **13**] - 3 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 5 [5 - **5**] - 4 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 39 [39 - **39**] - 5 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts:

RMCA: 28 [28 - **28**] - 6 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 6 [6 - **6**] - 7 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 26 [26 - **26**] - 8 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 49 [49 - **49**] - 9 September 1972: Hulselmans, Jan; De Vree, Frits; Geeraerts: RMCA: 7 [7 - **7** - **445**].

Yagoua or Waza: 15 August 1971: Van Praet: RMCA: 5 [5 - **5** - **5**].

Yaoude, due S: 20 April 1936: Johnson, S.E.: AMNH: 1 [1 - **1** - **1**].

Yaounde: Collection Date Unknown: : ZMB: 1 [1]; Carnap-Querheimb: ZMB: 1 [1]; Haberer: ZMB: 4 [4]; Prévost, J.: MNHN: 37 [37]; Zenker, Georg August: ZMB: 5 [5 - **48**] - 28 February 1973: Prévost, J.: MNHN: 24 [24 - **24**] - 5 March 1973: Prévost, J.: MNHN: 9 [9 - **9**] - 23 October 1973: Prévost, J.: MNHN: 1 [1 - **1**] - 23 November 1973: Prévost, J.: MNHN: 1 [1 - **1** - **83**].

Yaoundé: Collection Date Unknown: ?: Collector Unknown: MNHN: 14 [14 - **14**] - 27 May 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 10 February 1968: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 4 June 1968: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 5 March 1973: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 11 April 1973: ?: Collector Unknown: MNHN: 1 [1 - **1** - **19**].

Yaoundé, 150 km from, on Yoko road: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].

Yaoundé, 16 km S, 2 km E: 6 August 1978: Schlitter, Duane Albert; Williams, Stephen L.: CM: 1 [1]; Williams, Stephen L.: CM: 1 [1 - **2**] - 8 August 1978: Schlitter, Duane Albert: CM: 1 [1]; Schlitter, Duane Albert; Williams, Stephen L.: CM: 2 [2]; Williams, Stephen L.: CM: 2 [2 - **5** - **7**].

Yaoundé, 23 km S, 1 km E: 8 August 1978: Robbins, Lynn W.: CM: 1 [1]; Robbins, Lynn W.; Robbins, R. Laurie: CM: 4 [4 - **5** - **5**].

Yaoundé, 25 km S 3 km E: 6 August 1978: Robbins, Lynn W.; Robbins, R. Laurie: CM: 1 [1 - **1** - **1**].

Yaoundé, 7 km S, 8 km W: 7 July 1978: Robbins, Lynn W.: CM: 1 [1]; Robbins, Lynn W.; Robbins, R. Laurie: CM: 4 [4]; Williams, Stephen L.: CM: 1 [1 - **6**] - 4 August 1978: Schlitter, Duane Albert; Williams, Stephen L.: CM: 2 [2 - **2**] - 7 August 1978: Robbins, Lynn W.; Robbins, R. Laurie: CM: 1 [1]; Schlitter, Duane Albert; Williams, Stephen L.: CM: 1 [1 - **2** - **10**].

Yaoundé, 9 km S, 10 km W: 28 June 1978: Robbins, Lynn W.: CM: 1 [1]; Robbins, Lynn W.; Robbins, R. Laurie: CM: 11 [11]; Robbins, Lynn W.; Williams, Stephen L.: CM: 2 [2 - **14** - **14**].

Ydé: 6 January 1979: : SMF: 1 [1 - **1**] - 11 January 1979: : SMF: 1 [1 - **1**] - 14 January 1979: : SMF: 2 [2 - **2** - **4**].

Yokadouma, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Yoko, 15 km S: 22 January 1974: Prévost, J.: MNHN: 1 [1 - **1** - **1**].

Yoko, 34 km S: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1]; Peterson, Randolph L.: ROM: 3 [3 - **4**] - 9 February 1970: Peterson, Randolph L.: ROM: 1 [1 - **1** - **5**].

Yoko, 5 km from: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Yoko, 5 km S: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Prévost, J.: MNHN: 3 [3 - **4**] - 19 January 1974: Prévost, J.: MNHN: 3 [3 - **3** - **7**].

Zoulabot II: 9 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 4 [4 - **4**] - 10 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 8 [8 - **8**] - 12 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 5 [5 - **5**] - 14 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 5 [5 - **5**] - 16 February 1975: Thys Van den Audenaerde, Dirk; Van Der Veken: RMCA: 2 [2 - **2** - **24**].

Total Specimens for Cameroon: 6680

Canary Islands (Spain)

Unknown locality: Collection Date Unknown: BMNH: 11 [11 - **11** - **11**].

Agaete: 27 September 1915: Amory, H.R.: MCZ: 1 [1 - **1** - **1**].

Cuevas de Marcos: 16 July 1987: Julio: ZMA: 1 [1 - **1** - **1**].

La Palma: Collection Date Unknown: Tomes Collection, The: BMNH: 1 [1 - **1** - **1**].

Laurisilva Forest: 1 July 1987: Spelbrink, C.; Koch, U.: ZMA: 1 [1 - **1** - **1**].

Orotava: 3 April 1887: Gomez, Ramon: BMNH: 1 [1 - **1** - **1**].

Reserva Los Tilos: Collection Date Unknown: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].

Total Specimens for Canary Islands (Spain): 17

Cape Verde

Fogo isalnd: Collection Date Unknown: BMNH: 2, MZUF: 2 [4 - **4**] - 1 June 1889: ?: Collector Unknown: USNM: 1 [1]; Foa, L.: USNM: 1 [1 - **2** - **6**].

Maio Island: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Pedra Badejo: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Santiago island, Trindade: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Santo Antão island, Ribeira Grande: Collection Date Unknown: ?: Collector Unknown: MZUF: 2 [2 - **2** - **2**].

São Vicente island: Collection Date Unknown: ?: Collector Unknown: MZUF: 3 [3 - **3** - **3**].

St. Filippe: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Vila do Maio, 2 km N: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Cape Verde: 19

Central African Republic

Unknown locality: Collection Date Unknown: BMNH: 13, MNHN: 9 [22 - **22**] - 1 January 1963: Taufflieb, R.: MNHN: 1 [1 - **1**] - 1 January 1993: Colyn, Marc: RMCA: 1 [1 - **1** - **24**].

Badingua: 1 October 1910: Schubolz, H.: SMF: 2 [2 - **2**] - 18 June 1979: Spinage, C.A.: BMNH: 1 [1 - **1** - **3**].

Bambari: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].

Bamingui: 20 June 1979: Spinage, C.A.: BMNH: 2 [2 - **2** - **2**].

Bamingui-Bangoran National Park: Collection Date Unknown: Spinage, C.A.: BMNH: 2 [2 - **2**] - 17 January 1980: Spinage, C.A.: BMNH: 1 [1 - **1**] - 19 January 1980: Spinage, C.A.: BMNH: 1 [1 - **1**] - 24 January 1980: Spinage, C.A.: BMNH: 1 [1

- **1**] - 9 February 1980: Spinage, C.A.: BMNH: 1 [1 - **1**] - 7 April 1980: Spinage, C.A.: BMNH: 1 [1 - **1**] - 9 April 1980: Spinage, C.A.: BMNH: 2 [2 - **2**] - 20 July 1980: Spinage, C.A.: BMNH: 4 [4 - **4** - **13**].

Bamingui-Bangoran prefecture: 12 February 1981: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Bangassou: Collection Date Unknown: Robbins, Lynn W.: CM: 5 [5 - **5**] - 27 December 1974: Robbins, Lynn W.: CM: 1 [1 - **1** - **6**].

Bangoran: Collection Date Unknown: ?: Collector Unknown: MNHN: 34 [34 - **34** - **34**].

Bangui: Collection Date Unknown: ?: Collector Unknown: MNHN: 482 [482]; : LACM: 1 [1]; Chippaux, A.: MNHN: 3 [3]; Institut Pasteur, l': MNHN: 1 [1]; Landau, Irène; Chabaud, Alain Gabriel: MNHN: 1 [1 - **488**] - 17 May 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 December 1939: Paulian, Renaud; Lepesme, Pierre: MNHN: 1 [1 - **1**] - 7 January 1964: Chippaux, A.: MNHN: 6 [6 - **6**] - 15 July 1964: Chippaux, A.: MNHN: 1 [1 - **1**] - 27 November 1965: Chippaux, A.: MNHN: 2, ZMA: 1 [3 - **3**] - 11 November 1968: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 7 November 2008: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 8 November 2008: ?: Collector Unknown: MNHN: 2 [2 - **2** - **505**].

Bangui area: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Bangui or Boukoko: Collection Date Unknown: ?: Collector Unknown: MNHN: 37 [37 - **37** - **37**].

Bébé cave: 12 September 1966: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Birao: 20 March 1948: Clark, James ("Jamie") L.: AMNH: 2 [2 - **2** - **2**].

Bohou River: 5 May 1998: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 5 June 1998: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 8 June 1998: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 17 June 1998: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 19 June 1998: ?: Collector Unknown: MNHN: 1 [1 - **1** - **5**].

Bolé cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Boukoko: Collection Date Unknown: ?: Collector Unknown: MNHN: 76 [76]; Pujol, Raymond: MNHN: 1 [1 - **77**] - 1 November 1964: Pujol, Raymond: MNHN: 2 [2 - **2** - **79**].

Boukoko or La Maboké: Collection Date Unknown: ?: Collector Unknown: MNHN: 139 [139 - **139**] - 1 January 1998: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 7 May 1998: ?: Collector Unknown: MNHN: 1 [1 - **1** - **141**].

Bozo: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Bozoum: 10 January 1933: Blancou, Lucien: AMNH: 1 [1 - **1** - **1**].

Buar: Collection Date Unknown: Tessmann: ZMB: 1 [1 - **1** - **1**].

Dzanga-Sangha Forest Reserve: Collection Date Unknown: ?: Collector Unknown: AMNH: 1, MNHN: 1 [2 - **2**] - 1 November 1996: Dickerman, Robert W.: AMNH: 2 [2]; Lunde, Darrin P.: AMNH: 1 [1 - **3**] - 19 November 1996: Lunde, Darrin P.: AMNH: 2 [2 - **2**] - 20 November 1996: Lunde, Darrin P.: AMNH: 1 [1 - **1**] - 22 November 1996: Lunde, Darrin P.: AMNH: 1 [1 - **1**] - 27 November 1996: Lunde, Darrin P.: AMNH: 1 [1 - **1**] - 30 November 1996: Lunde, Darrin P.: AMNH: 2 [2 - **2**] - 2 December 1996: Lunde, Darrin P.: AMNH: 1 [1 - **1**] - 3 December 1996: Lunde, Darrin P.: AMNH: 1 [1 - **1**] - 9 June 1998: Sweet, Paul R.: AMNH: 2 [2 - **2**] - 11 June 1998: Sweet, Paul R.: AMNH: 2 [2 - **2**] - 12 June 1998: Beresford, Pamela: AMNH: 1 [1 - **1**] - 13 June 1998: Sweet, Paul R.: AMNH: 3 [3 - **3**] - 14 June 1998: Sweet, Paul R.: AMNH: 1 [1 - **1**] - 15 June 1998: Sweet, Paul R.: AMNH: 1 [1 - **1**] - 16 June 1998: Porzecanski, Ana Luz: AMNH: 1 [1 - **1**] - 23 June 1998: Porzecanski, Ana Luz: AMNH: 2 [2 - **2**] - 26 June 1998: Porzecanski, Ana Luz: AMNH: 1 [1]; Sweet, Paul R.: AMNH: 1 [1 - **2**] - 6 July 1998: Conway, Tenley M.: AMNH: 1 [1 - **1**] - 7 July 1998: Conway, Tenley M.: AMNH: 2 [2]; Lunde, Darrin P.: AMNH: 3 [3 - **5**] - 8 July 1998: Conway, Tenley M.: AMNH: 3 [3]; Lunde, Darrin P.: AMNH: 2 [2 - **5**] - 9 July 1998: Conway, Tenley M.: AMNH: 2 [2]; Lunde, Darrin P.: AMNH: 2 [2 - **4**] - 10 July 1998: Conway, Tenley M.: AMNH: 2 [2]; Lunde, Darrin P.: AMNH: 2 [2 - **4**] - 11 July 1998: Conway, Tenley M.: AMNH: 1 [1 - **1**] - 12 July 1998: Lunde, Darrin P.: AMNH: 1 [1 - **1**] - 14 July 1998: Conway, Tenley M.: AMNH: 1 [1]; Lunde, Darrin P.: AMNH: 1 [1 - **2** - **52**].

Fort Lamy province: Collection Date Unknown: Barton, Otis J.: AMNH: 1 [1 - **1** - **1**].

Gordil: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].

Gounda: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].

Gounda camp: 17 June 1978: Buchanan, Stuart A.: CM: 1 [1 - **1**] - 18 June 1978: ?: Collector Unknown: CM: 2 [2 - **2**] - 9 October 1978: Buchanan, Stuart A.: CM: 3 [3 - **3**] - 13 October 1978: Buchanan, Stuart A.: CM: 9 [9 - **9**] - 14 October 1978: Buchanan, Stuart A.: CM: 7 [7 - **7** - **22**].

Kaja Nze: 27 December 1981: Spinage, C.A.: BMNH: 1 [1 - **1** - **1**].

Kemo, Upper: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 April 1892: Dybowski, Jean: MNHN: 1 [1 - **1** - **2**].

Kodou: Collection Date Unknown: Baudon, A.: AMNH: 3 [3 - **3** - **3**].

Koumbala: Collection Date Unknown: ?: Collector Unknown: MNHN: 39 [39 - **39** - **39**].

Koumbala Camp: 2 October 1978: Buchanan, Stuart A.: CM: 1 [1 - **1**] - 24 October 1978: Buchanan, Stuart A.: CM: 3 [3 - **3**] - 25 October 1978: Buchanan, Stuart A.: CM: 1 [1 - **1**] - 24 June 1979: Buchanan, Stuart A.: CM: 1 [1 - **1**] - 29 June 1979: Buchanan, Stuart A.: CM: 2 [2 - **2** - **8**].

Koumbala Camp, 11.5 km NW: 26 October 1978: Buchanan, Stuart A.: CM: 1 [1 - **1** - **1**].

Kpoka cave: 14 November 2008: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 15 November 2008: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 16 November 2008: ?: Collector Unknown: MNHN: 7 [7]; Hassanin, Alexandre; Nakouné, Emmanuel; Nesi, Nicolas; Ngoagouni, Carine: MNHN: 1 [1 - **8**] - 17 November 2008: ?: Collector Unknown: MNHN: 1 [1 - **1** - **12**].

La Landjia: Collection Date Unknown: Gillet, Hubert: MNHN: 1 [1 - **1** - **1**].

La Maboké: Collection Date Unknown: ?: Collector Unknown: LER: 1, MNHN: 135 [136]; Landau, Irène; Chabaud, Alain Gabriel: MNHN: 1 [1]; Pujol, Raymond: MNHN: 3 [3 - **140**] - 15 May 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 May 1966: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 10 May 1966: Pujol, Raymond; Teocchi, Pierre: MNHN: 44 [44 - **44**] - 13 May 1966: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 14 May 1966: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 15 May 1966: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 26 May 1966: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 27 May 1966: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 July 1966: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 2 August 1966: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 3 August 1966: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 1 September 1966: ?: Collector Unknown: MNHN: 1 [1 - **1** - **200**].

La Maboké area: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Landjia: 4 February 1982: De Vos, Luc; Kempeneers, Jan: RMCA: 4 [4 - **4** - **4**].

Loango: Collection Date Unknown: Baudon, A.: AMNH: 2 [2 - **2** - **2**].

Manovo: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Mbaéré-Bodingué Reserve: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

M'Baiki: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4]; Pujol, Raymond: HNHM: 1 [1]; Robbins, Lynn W.: CM: 3 [3 - **8** - **8**].

M'Baikie: 10 December 1974: Robbins, Lynn W.: CM: 4 [4 - **4**] - 12 December 1974: Robbins, Lynn W.: CM: 2 [2 - **2** - **6**].
Mongoumba: 21 November 2008: ?: Collector Unknown: MNHN: 7 [7 - **7**] - 22 November 2008: ?: Collector Unknown: MNHN: 3 [3 - **3** - **10**].
Mpoko: 4 December 2008: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Mpoko: 5 December 1891: Dybowski, Jean: MNHN: 1 [1 - **1** - **1**].
N'Delé: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
N'Délé: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Ndele and Vakaga, between: 21 October 1978: Buchanan, Stuart A.: CM: 1 [1 - **1** - **1**].
Ngotto forest: Collection Date Unknown: ?: Collector Unknown: Rennes: 1 [1 - **1** - **1**].
Nguerengou: 30 November 2008: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Njia: Collection Date Unknown: Houy: ZMB: 1 [1 - **1** - **1**].
Nola: Collection Date Unknown: Barton, Otis J.: AMNH: 1 [1 - **1** - **1**].
Nola region: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Nzouani-Muya cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Oubangui, Upper: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ouham area: 31 October 1921: Baudon, A.: MNHN: 1 [1 - **1** - **1**].
Ouham, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Roubi River banks: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Salo: Collection Date Unknown: Barton, Otis J.: AMNH: 2 [2 - **2** - **2**].
Sangha: Collection Date Unknown: ?: Collector Unknown: MNHN: 92 [92 - **92** - **92**].
Uam: Collection Date Unknown: Tessmann: ZMB: 8 [8 - **8** - **8**].
Zouari-Muyo cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Total Specimens for Central African Republic: 1383

Chad

Unknown locality: Collection Date Unknown: BMNH: 2, SMF: 3 [5 - **5**] - 20 April 1911: ?: Collector Unknown: SMF: 1 [1 - **1** - **6**].
Bébédjia: 1 July 1970: Lourens, J.H.: AMNH: 6 [6 - **6**] - 10 July 1970: Lourens, J.H.: ZMA: 1 [1 - **1**] - 13 July 1970: Lourens, J.H.: ZMA: 3 [3 - **3**] - 14 July 1970: Lourens, J.H.: ZMA: 1 [1 - **1**] - 15 July 1970: Lourens, J.H.: AMNH: 1, ZMA: 3 [4 - **4**] - 17 July 1970: Lourens, J.H.: AMNH: 1, ZMA: 20 [21 - **21**] - 19 July 1970: Lourens, J.H.: AMNH: 1 [1 - **1**] - 24 July 1970: Lourens, J.H.: ZMA: 1 [1 - **1**] - 1 August 1970: Lourens, J.H.: ZMA: 1 [1 - **1**] - 2 August 1970: Lourens, J.H.: ZMA: 1 [1 - **1**] - 3 August 1970: Lourens, J.H.: ZMA: 2 [2 - **2**] - 5 August 1970: Lourens, J.H.: ZMA: 1 [1 - **1**] - 13 August 1970: Lourens, J.H.: ZMA: 2 [2 - **2**] - 15 August 1970: Lourens, J.H.: ZMA: 1 [1 - **1**] - 19 August 1970: Lourens, J.H.: ZMA: 2 [2 - **2**] - 20 August 1970: Lourens, J.H.: ZMA: 1 [1 - **1**] - 21 August 1970: Lourens, J.H.: ZMA: 4 [4 - **4**] - 8 July 1971: Lourens, J.H.: ZMA: 1 [1 - **1** - **54**].
Chari delta: 1 December 1910: Herzog, A.T.M.: SMF: 1 [1 - **1** - **1**].
Dagbao: 20 April 1973: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Djiboulboul: 1 January 1970: Vielliard, Jacques Marie Edme: MHNG: 3 [3 - **3**] - 10 January 1970: Vielliard, Jacques Marie Edme: MHNG: 2 [2 - **2**] - 3 March 1970: Vielliard, Jacques Marie Edme: MHNG: 3 [3 - **3** - **8**].
Ennedi: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Fort Archambault: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 October 1910: : SMF: 1 [1 - **1**] - 1 February 1911: : SMF: 2 [2 - **2**] - 1 March 1911: Schubolz, H.: SMF: 2 [2 - **2**] - 1 July 1940: Fogle, F.L.: FMNH: 2 [2 - **2**] - 26 April 1952: Carter, T. Donald: AMNH: 1 [1]; Webber, W.A.: USNM: 1 [1]; Weber, W.: USNM: 1 [1 - **3**] - 27 April 1952: Carter, T. Donald: AMNH: 1 [1 - **1**] - 29 April 1952: Carter, T. Donald: AMNH: 7 [7 - **7**] - 25 May 1952: ?: Collector Unknown: USNM: 1 [1 - **1**] - 26 July 1970: Vielliard, Jacques Marie Edme: MHNG: 1 [1 - **1** - **21**].
Fort Archambault, 30 mi [=48 km]N: Collection Date Unknown: Carter, T. Donald: AMNH: 2 [2 - **2** - **2**].
Fort Lamy: Collection Date Unknown: ?: Collector Unknown: MNHN: 9 [9]; Malbrant, René: USNM: 5 [5 - **14**] - 24 June 1954: : RBINS: 1 [1 - **1** - **15**].
Goré: Collection Date Unknown: Houy; Lagone; Grenz: ZMB: 1 [1 - **1** - **1**].
Guidari: Collection Date Unknown: Weber, W.: USNM: 2 [2 - **2**] - 2 June 1952: Carter, T. Donald: AMNH: 7 [7 - **7**] - 3 June 1952: Carter, T. Donald: AMNH: 7 [7]; Weber, W.: USNM: 1 [1 - **8**] - 9 June 1952: Carter, T. Donald: AMNH: 2 [2 - **2** - **19**].
Irtou: 18 March 1970: Vielliard, Jacques Marie Edme: MHNG: 1 [1 - **1** - **1**].
Korkoru [=Korkoro ?]: Collection Date Unknown: von Erlanger, C.: ZMB: 1 [1 - **1** - **1**].
Kosakobo: 14 May 1952: Carter, T. Donald: AMNH: 5 [5 - **5**] - 18 May 1952: Carter, T. Donald: AMNH: 1 [1 - **1** - **6**].
Kyabe: Collection Date Unknown: Barton, Otis J.: AMNH: 1 [1 - **1** - **1**].
Lai: 5 June 1952: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].
Lake Lere: Collection Date Unknown: Carter, T. Donald: AMNH: 4 [4 - **4** - **4**].
Léré: 11 February 1970: Vielliard, Jacques Marie Edme: MHNG: 2 [2 - **2** - **2**].
Logone Occidental region: 1 August 1970: ?: Collector Unknown: SMF: 2 [2 - **2**] - 19 August 1970: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 August 1970: ?: Collector Unknown: SMF: 2 [2 - **2** - **5**].
Maïlao [3 locs]: 25 March 1970: Vielliard, Jacques Marie Edme: MHNG: 1 [1 - **1** - **1**].
Melfi: Collection Date Unknown: : SMF: 1 [1]; Meckelenburg, Adolf Fritz z.: ZMH: 1 [1 - **2**] - 20 April 1911: : SMF: 8 [8]; Herzog, A.T.M.: SMF: 5 [5 - **13** - **15**].
Melfi Mountains: 20 April 1911: Herz, A.F.M.: SMF: 2 [2 - **2** - **2**].
N'Djamena: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4]; Malbrant, René: USNM: 2 [2 - **6**] - 2 March 1936: Malbrant, René: USNM: 1 [1 - **1** - **7**].
Ounianga Kébir: 31 March 1961: Setzer, Henry W.: USNM: 4 [4 - **4** - **4**].
Sarh: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Tibesti: 2 June 1961: Tibesti Expedition, The: RMCA: 1 [1 - **1**] - 24 August 1961: Tibesti Expedition, The: RMCA: 2 [2 - **2** - **3**].
Zamia: Collection Date Unknown: Poutrin, Léon: MNHN: 1 [1 - **1** - **1**].
Zouarké, well: 15 June 1961: Tibesti Expedition, The: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Chad: 188

Comoros

Unknown locality: Collection Date Unknown: FMNH: 3, MNHN: 2 [5]; Clark, K.M.: AMNH: 2 [2]; Frank: RMNH: 1 [1]; Goodman, Steven M.: FMNH: 9 [9 - **17** - **17**].
above Boboni, on trail towards La Convalescence: 17 November 2006: : FMNH: 1 [1 - **1**] - 18 November 2006: : FMNH: 3 [3 - **3** - **4**].
Adda Doueni: 25 October 1983: Mission zoologique Belge, La: RMCA: 1 [1 - **1** - **1**].
along Mroni Koki River: Collection Date Unknown: : MHNG: 1 [1 - **1** - **1**].
Anjouan Island: Collection Date Unknown: ?: Collector Unknown: FMNH: 1, MHNG: 1, MNHN: 8, ZMB: 1 [11]; : BMNH: 7 [7]; Barrow, J.: BMNH: 1 [1]; Clark, K.M.: AMNH: 7 [7]; Deloye, M.: BMNH: 2 [2]; Frank: BMNH: 2, RMNH: 2, ZMB: 1 [5]; Hildebrandt, Johann Maria: ZMB: 3 [3]; Humblot, Léon: MNHN: 4 [4]; Humboldt, Friedrich Wilhelm Heinrich Alexander: ZMB: 1 [1]; Livingstone, David: BMNH: 2 [2]; Peters, Wilhelm Carl Hartwig: ZMB: 2 [2]; Poulay: NMW: 2 [2]; Voeltzkow, Alfred: ZMB: 7 [7 - **54**] - 10 October 1903: Voeltzkow, Alfred: ZMB: 1 [1 - **1**] - 11 October 1903: Voeltzkow, Alfred: ZMA: 2 [2 - **2** - **57**].
Bambao: Collection Date Unknown: Voeltzkow, Alfred: ZMB: 1 [1 - **1** - **1**].
Bandakalala Cave: 3 December 2006: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].
between Moya and Pomoni, Bouélaouvanga Tunnel along RN 23: Collection Date Unknown: : FMNH: 1 [1 - **1**] - 26 November 2006: : FMNH: 5 [5]; Goodman, Steven M.: FMNH: 2 [2 - **7** - **8**].
Boboni, cave near: Collection Date Unknown: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - 21 December 1903: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].
Cercle de Bambao: 10 October 1903: Voeltzkow, Alfred: ZMB: 1 [1 - **1** - **1**].
Chamle Primary School: 29 March 2007: Goodman, Steven M.: FMNH: 10 [10 - **10** - **10**].
Chandra Primary School: 23 November 2006: : FMNH: 2 [2]; Goodman, Steven M.: FMNH: 17 [17 - **19** - **19**].
Chiconi: 7 October 1983: Mission zoologique Belge, La: RMCA: 1 [1 - **1** - **1**].
Chirove primary school: 26 November 2006: Goodman, Steven M.: FMNH: 14 [14 - **14** - **14**].
Collège d'Ouani: 1 January 2010: ?: Collector Unknown: FMNH: 13 [13 - **13** - **13**].
Comoro Islands: Collection Date Unknown: Hildebrandt, Johann Maria: ZMB: 1 [1]; Voeltzkow, Alfred: ZMB: 1 [1 - **2** - **2**].
couloir souterrain et grotte sous coulée de Lave Niombadjée: Collection Date Unknown: : HZM: 2 [2 - **2** - **2**].
Dima Primary School: 1 April 2007: : FMNH: 2 [2]; Goodman, Steven M.: FMNH: 6 [6 - **8** - **8**].
Ecole primaire de Chirove: 1 January 2010: ?: Collector Unknown: FMNH: 6 [6 - **6** - **6**].
Fassi: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Fomboni: 28 November 2006: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].
Fomboni Primary School: 28 November 2006: Goodman, Steven M.: FMNH: 8 [8 - **8**] - 29 November 2006: Goodman, Steven M.: FMNH: 12 [12 - **12** - **20**].
Fomboni, 1 km N: 10 November 1979: Kverno, Nelson B.: USNM: 1 [1 - **1** - **1**].
Grand Comoro Island: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Clark, K.M.: AMNH: 69 [69]; Coyler, F.: BMNH: 1 [1]; Humblot, Léon: MNHN: 2 [2]; Kirk, John: BMNH: 2 [2]; Voeltzkow, Alfred: ZMB: 4 [4 - **79** - **79**].
Grande Comore: Collection Date Unknown: Humblot, Léon: MNHN: 6 [6 - **6** - **6**].
Grotte de Buemokolo: 1 January 2010: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Grotte de Buémoukolo: 24 November 2006: : FMNH: 13 [13 - **13** - **13**].
Grotte de Hamapoudre: 21 November 2006: : FMNH: 14 [14]; Goodman, Steven M.: FMNH: 4 [4 - **18** - **18**].
Grotte de Hapira, near Limbi along Trondroni River: 22 November 2006: : FMNH: 2 [2]; Goodman, Steven M.: FMNH: 1 [1 - **3** - **3**].
Grotte de Mangamitsano, between Bambao and Col de Patsi: 21 November 2006: : FMNH: 6 [6]; Goodman, Steven M.: FMNH: 1 [1 - **7** - **7**].
Hahaia Primary School: 29 March 2007: Goodman, Steven M.: FMNH: 7 [7 - **7**] - 2 April 2007: Goodman, Steven M.: FMNH: 1 [1 - **1** - **8**].
Itsamia: 2 December 2006: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 3 December 2006: Goodman, Steven M.: FMNH: 10 [10 - **10** - **12**].
Itsandra: 13 December 1989: Meirte, Danny: RMCA: 3 [3 - **3** - **3**].
Johanna Island [=Anjouan Island]: Collection Date Unknown: Frank: ZMB: 1 [1]; Mason, G.E.: ZMB: 1 [1 - **2** - **2**].
La Convalescence: 14 August 1981: Louette, Michel: RMCA: 1 [1 - **1**] - 15 August 1981: Louette, Michel: RMCA: 1 [1 - **1** - **2**].
La Coulée: 1 August 1981: Louette, Michel: RMCA: 3 [3 - **3** - **3**].
La Grille: 19 August 1981: Louette, Michel: RMCA: 24 [24 - **24**] - 22 November 1989: Meirte, Danny: RMCA: 2 [2 - **2**] - 24 November 1989: Meirte, Danny: RMCA: 11 [11 - **11** - **37**].
Lac de Dzialande: 24 November 2006: : FMNH: 9 [9 - **9** - **9**].
Lima Mani: 18 November 1989: Meirte, Danny: RMCA: 9 [9 - **9**] - 19 November 1989: Meirte, Danny: RMCA: 4 [4 - **4** - **13**].
Malakoff: 10 December 1989: Meirte, Danny: RMCA: 4 [4 - **4** - **4**].
Miringoni: 15 October 1985: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 2 [2 - **2**] - 16 October 1985: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 2 [2 - **2**] - 10 December 1989: Meirte, Danny: RMCA: 1 [1 - **1**] - 13 December 1989: Meirte, Danny: RMCA: 1 [1 - **1** - **6**].
Moheli Island: Collection Date Unknown: Clark, K.M.: AMNH: 11 [11]; Kirk, John: BMNH: 1 [1 - **12** - **12**].
Mohoro Cultural Center: 31 March 2007: : FMNH: 2 [2]; Goodman, Steven M.: FMNH: 7 [7 - **9** - **9**].
Moroni: 25 October 1983: Mission zoologique Belge, La: RMCA: 10 [10 - **10**] - 28 October 1983: Mission zoologique Belge, La: RMCA: 1 [1 - **1**] - 28 September 1985: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 3 [3 - **3**] - 29 September 1985: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 1 [1 - **1**] - 30 September 1985: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 1 [1 - **1** - **16**].
Moroni oasis: 14 November 2006: : FMNH: 4 [4]; Goodman, Steven M.: FMNH: 7 [7 - **11**] - 28 March 2007: : FMNH: 4 [4]; Goodman, Steven M.: FMNH: 6 [6 - **10** - **21**].
Moroni-Hahaia Airport entrance gate, 0.5 km N: 14 November 2006: : FMNH: 14 [14 - **14**] - 2 April 2007: : FMNH: 2 [2 - **2** - **16**].
Moya primary school: 26 November 2006: Goodman, Steven M.: FMNH: 8 [8 - **8** - **8**].
Mtsangamouthoum: 23 October 1983: Mission zoologique Belge, La: RMCA: 1 [1 - **1**] - 24 October 1983: Mission zoologique Belge, La: RMCA: 1 [1 - **1**] - 26 October 1983: Mission zoologique Belge, La: RMCA: 1 [1 - **1** - **3**].
Mutsamudu: 1 August 1986: Veerkamp: RMCA: 1 [1 - **1** - **1**].

Ndrondroni: 30 November 2006: Goodman, Steven M.: FMNH: 3 [3 - **3** - **3**].
near col de Patsi: 22 November 2006: : FMNH: 2 [2 - **2** - **2**].
near Ouallah I, along Akomodjou River: 1 December 2006: : FMNH: 3 [3 - **3** - **3**].
Nioumachoua: 2 December 2006: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].
Nioumachoua Public Primary School: 1 December 2006: Goodman, Steven M.: FMNH: 12 [12 - **12**] - 2 December 2006: Goodman, Steven M.: FMNH: 7 [7 - **7** - **19**].
Nioumbadjou cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5]; : MNHN: 5 [5 - **10** - **10**].
no specific locality: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3 - **3** - **3**].
Nyamaoui Panga [= Panga Chilamouinani]: 16 November 2006: : FMNH: 34 [34]; Goodman, Steven M.: FMNH: 9 [9 - **43** - **43**].
Ouallah I: 30 November 2006: : FMNH: 7 [7 - **7** - **7**].
Ouallah II Public Primary School: 30 November 2006: Goodman, Steven M.: FMNH: 13 [13 - **13** - **13**].
Ouani College: 24 November 2006: Goodman, Steven M.: FMNH: 25 [25 - **25** - **25**].
Panga Chilamoviani, cave: Collection Date Unknown: ?: Collector Unknown: EBD: 2 [2 - **2** - **2**].
Panga Milembeni: 6 December 2006: : FMNH: 7 [7]; Goodman, Steven M.: FMNH: 1 [1 - **8** - **8**].
Panga Pachwa Meyembe: 15 November 2006: : FMNH: 10 [10 - **10** - **10**].
Patsi: 20 November 2006: : FMNH: 8 [8]; Goodman, Steven M.: FMNH: 5 [5 - **13**] - 21 November 2006: : FMNH: 3 [3]; Goodman, Steven M.: FMNH: 4 [4 - **7** - **20**].
St Antoine: 29 September 1983: Mission zoologique Belge, La: RMCA: 3 [3 - **3**] - 1 October 1983: Mission zoologique Belge, La: RMCA: 2 [2 - **2**] - 8 November 1983: Mission zoologique Belge, La: RMCA: 2 [2 - **2**] - 16 October 1985: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 2 [2 - **2**] - 17 October 1985: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 8 [8 - **8**] - 18 October 1985: Bijnens, Luc; Janssens, Luc; Stevens, J.: RMCA: 3 [3 - **3**] - 11 December 1989: Meirte, Danny: RMCA: 6 [6 - **6**] - 12 December 1989: Meirte, Danny: RMCA: 5 [5 - **5** - **31**].
Union des Comores: Collection Date Unknown: ?: Collector Unknown: FMNH: 8 [8 - **8** - **8**].

Total Specimens for Comoros: 713

Congo

Unknown locality: Collection Date Unknown: MHNG: 1, MNHN: 2, SMF: 198 [201]; Adam, Jean-Paul: MNHN: 1 [1]; Ballay: MNHN: 1 [1]; Bentley, M.: HNHM: 1 [1]; Bergmans, Wim: ZMA: 1 [1]; Bouillon, A.: RMNH: 5 [5]; de Brazza, Pierre Paul François Camille Savorgnan: MNHN: 4 [4]; Kambamba, B.: ZMA: 1 [1]; Laarman, J.J.: RMNH: 1 [1 - **216**] - 1 January 1955: Laarman, J.J.: RMNH: 1 [1 - **1**] - 5 January 1955: Laarman, J.J.: RMNH: 1 [1 - **1**] - 6 January 1955: Laarman, J.J.: RMNH: 1 [1 - **1**] - 1 July 1955: Laarman, J.J.: RMNH: 1 [1 - **1**] - 25 July 1955: Laarman, J.J.: RMNH: 1 [1 - **1**] - 14 August 1955: Laarman, J.J.: RMNH: 1 [1 - **1**] - 23 August 1955: Laarman, J.J.: RMNH: 1 [1 - **1**] - 1 January 1956: Laarman, J.J.: RMNH: 57 [57 - **57**] - 6 January 1956: Laarman, J.J.: RMNH: 2 [2 - **2**] - 7 January 1956: Laarman, J.J.: RMNH: 1 [1 - **1**] - 8 March 1956: Laarman, J.J.: RMNH: 1 [1 - **1**] - 8 June 1956: Laarman, J.J.: RMNH: 2 [2 - **2**] - 1 October 1956: Laarman, J.J.: RMNH: 1 [1 - **1**] - 1 June 1957: Laarman, J.J.: RMNH: 1 [1 - **1**] - 1 January 1999: ?: Collector Unknown: SMF: 26 [26 - **26**] - 1 July 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 2005: ?: Collector Unknown: ZMA: 1 [1 - **1** - **316**].
Bongolo: 16 May 1951: Beatty, Harry A.: FMNH: 1 [1 - **1**] - 23 June 1951: Beatty, Harry A.: FMNH: 1 [1 - **1**] - 23 July 1951: Beatty, Harry A.: FMNH: 3 [3 - **3** - **5**].
Boulankio: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Brazzaville: Collection Date Unknown: ?: Collector Unknown: MNHN: 51 [51]; Maclatchy, Alain; Malbrant, René: AMNH: 2 [2 - **53**] - 1 November 1942: Maclatchy, Alain; Malbrant, René: AMNH: 11 [11 - **11**] - 18 May 1943: Maclatchy, Alain; Malbrant, René: AMNH: 4 [4 - **4**] - 1 August 1943: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3**] - 18 November 1943: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3**] - 7 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 10 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 12 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 15 December 1963: Endrödy-Younga, Sebastian: HNHM: 1 [1 - **1**] - 20 June 1964: Taufflieb, R.: MHNG: 1 [1 - **1**] - 7 November 1965: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 10 August 1970: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 23 December 1972: Bergmans, Wim: ZMA: 3 [3 - **3**] - 25 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 26 December 1972: Bergmans, Wim: ZMA: 12 [12 - **12**] - 27 December 1972: Bergmans, Wim: ZMA: 3 [3 - **3** - **100**].
Brazzaville, near: 1 November 1942: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3**] - 18 November 1943: Maclatchy, Alain; Malbrant, René: AMNH: 2 [2 - **2** - **5**].
Centre ORSTOM: 23 December 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 24 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 25 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 26 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 27 December 1972: Bergmans, Wim: ZMA: 2 [2 - **2** - **7**].
Cote-Matève, 1 mi [=1.6 km] SE: 17 November 1972: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].
Dimonika: Collection Date Unknown: ?: Collector Unknown: MNHN: 43, UMNG: 7 [50]; Thollon: MNHN: 1 [1 - **51**] - 22 June 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 7 November 1963: Descarpentier, A.; Villiers, A.: MNHN: 1 [1 - **1**] - 7 January 1964: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 17 January 1964: Descarpentier, A.; Villiers, A.: MNHN: 2 [2 - **2**] - 21 January 1964: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 13 March 1972: Faculte des Sciences - Univ. de Brazzaville (Dept. "Biologie Animale"),: ZMA: 1 [1 - **1** - **59**].
Dinguembo: 6 December 1972: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].
Divenié: 24 December 1972: Dessier, A.: ZMA: 10 [10 - **10** - **10**].
Djambala: 16 October 1951: Beatty, Harry A.: FMNH: 2 [2 - **2**] - 17 October 1951: Beatty, Harry A.: FMNH: 2 [2 - **2**] - 19 November 1951: Beatty, Harry A.: FMNH: 5 [5 - **5** - **9**].
Doumboula [cave]: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Doumboula Cave [= Grotte de Doumboula]: 19 June 1964: Adam, Jean-Paul: MNHN: 1 [1 - **1** - **1**].
Epéna: 18 February 1952: Beatty, Harry A.: FMNH: 3 [3 - **3**] - 12 June 1993: Schlitter, Duane Albert: CM: 8 [8 - **8**] - 13 June 1993: Schlitter, Duane Albert: CM: 11 [11 - **11** - **22**].
Ewo: Collection Date Unknown: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1** - **1**].
Grotte de Doumboula: 19 June 1964: Adam, Jean-Paul: MNHN: 4 [4 - **4** - **4**].
Grotte de Kimanika: Collection Date Unknown: Adam, Jean-Paul: HNHM: 1 [1 - **1** - **1**].
Grotte du Viaduc: Collection Date Unknown: Adam, Jean-Paul: MNHN: 1 [1 - **1** - **1**].

Inhumbane: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Kango: Collection Date Unknown: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1** - **1**].
Kelé: 1 August 1943: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1** - **1**].
Kila N'Tari cave: 25 May 1960: ?: Collector Unknown: MNHN: 1 [1]; Taufflieb, R.: MNHN: 1 [1 - **2** - **2**].
Kimanika: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Kimanika cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 10 [10 - **10** - **10**].
Kinkala: 1 January 1943: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1** - **1**].
Komono: 18 June 1942: Maclatchy, Alain; Malbrant, René: AMNH: 10 [10 - **10** - **10**].
Kouilou: 9 January 1967: Adam, Jean-Paul: MNHN: 1 [1 - **1** - **1**].
Kunda: 1 March 1988: Jones, Theo Simpson: HZM: 3 [3 - **3** - **3**].
Lekoumou, airport: 1 August 2012: Hayes, Benjamin: HZM: 1 [1 - **1** - **1**].
Lekoumou, airport road: 29 July 2012: Hayes, Benjamin: HZM: 8 [8 - **8** - **8**].
Lekoumou, Forest corridor: 7 August 2012: Hayes, Benjamin: HZM: 2 [2 - **2** - **2**].
Lekoumou, Forest trails: 4 August 2012: Hayes, Benjamin: HZM: 3 [3 - **3** - **3**].
Lekoumou, Lebayi cave: 30 July 2012: Hayes, Benjamin: HZM: 6 [6 - **6**] - 3 August 2012: Hayes, Benjamin: HZM: 3 [3 - **3** - **9**].
Lekoumou, Waterfall forest: 4 August 2012: Hayes, Benjamin: HZM: 1 [1 - **1** - **1**].
Likouala department: 13 February 2001: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Loudima cave: 20 June 1964: Taufflieb, R.: MHNG: 2 [2 - **2**] - 2 September 1964: Taufflieb, R.: ZMA: 2 [2 - **2** - **4**].
Majumba: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3]; Petit, F.: MNHN: 1 [1 - **4** - **4**].
Matounidi cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Maya cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Mbamou Island: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Mboko: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 November 1994: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Meya: Collection Date Unknown: Endrödy-Younga, Sebastian: HNHM: 1 [1 - **1** - **1**].
Méya cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Meya-Nzouari,cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 10 [10]; Adam, Jean-Paul: HNHM: 1 [1 - **11**] - 1 July 1961: Taufflieb, R.: MHNG: 1 [1 - **1**] - 26 July 1963: Adam, Jean-Paul: ZMA: 1 [1 - **1**] - 19 December 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 29 September 1966: Adam, Jean-Paul: ZMA: 1 [1 - **1**] - 22 November 1966: Adam, Jean-Paul: MNHN: 2 [2 - **2** - **17**].
Milamila: 7 December 1972: Bergmans, Wim: ZMA: 5 [5 - **5** - **5**].
Mossake: Collection Date Unknown: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].
Mouyondzi: 12 May 1942: Maclatchy, Alain; Malbrant, René: AMNH: 5 [5 - **5**] - 1 January 1943: Maclatchy, Alain; Malbrant, René: AMNH: 6 [6 - **6** - **11**].
Mpoka to Méya: 15 November 1969: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
N'Gabi: 7 April 1943: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3**] - 9 April 1943: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1**] - 14 April 1943: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3**] - 20 April 1943: Maclatchy, Alain; Malbrant, René: AMNH: 1 [1 - **1**] - 22 April 1943: Maclatchy, Alain; Malbrant, René: AMNH: 3 [3 - **3**] - 6 May 1943: Maclatchy, Alain; Malbrant, René: AMNH: 7 [7 - **7**] - 18 May 1943: Maclatchy, Alain; Malbrant, René: AMNH: 2 [2 - **2** - **20**].
Odzala National Park: 1 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
OdzalaNational Park: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Oubangi: Collection Date Unknown: Othegraven: ZMB: 1 [1 - **1** - **1**].
Pointe Noire: 12 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 16 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 19 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 25 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 26 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 27 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 30 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1** - **10**].
Pointe-Noire: Collection Date Unknown: : ZMA: 1 [1 - **1**] - 16 January 1943: Maclatchy, Alain; Malbrant, René: AMNH: 4 [4 - **4**] - 27 October 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 28 October 1972: Bergmans, Wim: ZMA: 3 [3 - **3**] - 31 October 1972: Bergmans, Wim: ZMA: 6 [6 - **6**] - 1 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 2 November 1972: Bergmans, Wim: ZMA: 4 [4 - **4**] - 3 November 1972: Bergmans, Wim: ZMA: 3 [3 - **3**] - 6 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 7 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 12 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 13 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 14 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 15 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 16 November 1972: Bergmans, Wim: ZMA: 6 [6 - **6**] - 19 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 20 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 21 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 22 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 25 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 26 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 27 November 1972: Bergmans, Wim: ZMA: 3 [3 - **3**] - 28 November 1972: Bergmans, Wim: ZMA: 6 [6 - **6**] - 29 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 30 November 1972: Bergmans, Wim: ZMA: 6 [6 - **6**] - 1 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 2 December 1972: Bergmans, Wim: ZMA: 3 [3 - **3**] - 4 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 11 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 13 December 1972: Bergmans, Wim: ZMA: 6 [6 - **6**] - 14 December 1972: Bergmans, Wim: ZMA: 4 [4 - **4**] - 19 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 20 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 21 December 1972: Bergmans, Wim: ZMA: 3 [3 - **3**] - 25 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 26 December 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 2 November 2012: Bergmans, Wim: ZMA: 1 [1 - **1** - **92**].
Pointe-Noire, 3 mi [=4.8 km] SE: 13 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1**] - 25 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1** - **2**].
Sibiti: Collection Date Unknown: ?: Collector Unknown: MNHN: 12 [12 - **12**] - 17 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 19 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 20 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 21 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 22 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 23 November 1963: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 25 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 26 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 28 November 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 7 December 1963: ?: Collector Unknown: MNHN: 1 [1 - **1** - **26**].
Sibiti cave: 1 June 1969: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Sounda: 9 November 1972: Bergmans, Wim: ZMA: 6 [6 - **6**] - 10 November 1972: Bergmans, Wim: ZMA: 3 [3 - **3**] - 11 November 1972: Bergmans, Wim: ZMA: 2 [2 - **2**] - 12 November 1972: Bergmans, Wim: ZMA: 1 [1 - **1** - **12**].
Stanley pool: Collection Date Unknown: ?: Collector Unknown: MNHN: 10 [10 - **10** - **10**].
Tschiloango [=Tchilounga]: Collection Date Unknown: Ansorge, William John: ZMB: 1 [1 - **1** - **1**].

Voka: 13 June 1993: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Total Specimens for Congo: 849

Congo (Democratic Republic of the)

Unknown locality: Collection Date Unknown: BMNH: 54, MNHN: 2, RBINS: 13, RMNH: 1, UNIKIS: 58 [128]; Alexander-Gosling Expedition, The: BMNH: 1 [1]; Anciaux de Faveaux, Félix / Michel: RMCA: 6 [6]; Betu Nsankulu: RMCA: 1 [1]; Christy, Cuthbert: RMCA: 1 [1]; De Roo, Antoon Emeric Marcel: RMCA: 14 [14]; De Semeries: RMCA: 1 [1]; Dyleff, P.: RMCA: 2 [2]; Fain, Alexandre: RMCA: 7 [7]; Gembu Tungaluna, Guy-Crispin: RMCA: 33 [33]; Hesse, P.: SMF: 17 [17]; Jans, E.: RMCA: 6 [6]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 6 [6]; Leonet: RMCA: 1 [1]; Musaba Akawa, Prescott: RMCA: 5 [5]; N'Kele: RMCA: 1 [1]; Prigogine, Alexandre: RMCA: 1 [1]; Rahm, Uwe: RMCA: 1 [1]; Schouteden, Henri: RMCA: 1 [1]; Schwetz: RMCA: 2 [2]; Stephan, Heinz: RMCA: 17 [17]; Tshinyenye: RMCA: 3 [3 - **255**] - 1 April 1800: Hesse, P.: SMF: 6 [6 - **6**] - 1 January 1911: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 June 1911: ?: Collector Unknown: SMF: 2 [2]; Schubolz, H.: SMF: 1 [1 - **3**] - 1 January 1921: Verlaine: RMCA: 1 [1 - **1**] - 1 April 1927: Linder, David H.: MCZ: 1 [1 - **1**] - 1 January 1931: Jans, E.: RMCA: 1 [1 - **1**] - 1 June 1939: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 5 May 1940: NATURE ???: TM: 1 [1 - **1**] - 1 January 1948: ?: Collector Unknown: RBINS: 10 [10 - **10**] - 17 October 1950: Antwerp Zoo, The: RBINS: 1 [1 - **1**] - 21 November 1955: Fain, Alexandre: RMCA: 1 [1 - **1**] - 29 November 1955: Fain, Alexandre: RMCA: 2 [2 - **2**] - 16 January 1956: Laarman, J.J.: RMNH: 1 [1 - **1**] - 12 March 1956: Laarman, J.J.: RMNH: 1 [1 - **1**] - 1 June 1956: Novick, Alvin: MCZ: 3 [3 - **3**] - 4 July 1958: Jans, E.: RMCA: 2 [2 - **2**] - 13 August 1958: N'Kele: RMCA: 1 [1 - **1**] - 24 April 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - 20 May 1962: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - 30 June 1962: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - 18 July 1962: Anciaux de Faveaux, Félix / Michel: SMF: 4 [4 - **4**] - 13 August 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - 1 June 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 3 July 1965: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - 27 July 1965: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5**] - 1 January 1976: Lejeune, M.: RMCA: 99 [99 - **99**] - 3 February 1980: Betu Nsankulu: RMCA: 1 [1 - **1**] - 1 January 1984: Betu Nsankulu: RMCA: 1 [1 - **1**] - 1 January 1985: WHO; Colyn, Marc: RMCA: 2 [2 - **2**] - 3 December 1985: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 20 November 1988: Verlaine: RMCA: 2 [2 - **2**] - 11 August 1989: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 April 1999: ?: Collector Unknown: SMF: 25 [25 - **25**] - 1 July 1999: ?: Collector Unknown: SMF: 3 [3 - **3**] - 15 July 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 August 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 12 February 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 28 February 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 May 2010: Nesi, Nicolas; Kadjo, Blaise; Denys, Christiane: MNHN: 5 [5 - **5**] - 23 August 2012: Musaba Akawa, Prescott: RMCA: 2 [2 - **2** - **460**].

"Trou aux Serpents": 30 June 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **1**].

40 mi [=64 km] SW Irumu: Collection Date Unknown: de Walden, Howard: BMNH: 1 [1 - **1** - **1**].

Aba: Collection Date Unknown: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 12 December 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5**] - 13 January 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 3 December 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 13 December 1911: ?: Collector Unknown: MCZ: 2, TM: 1 [3]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 49, RMCA: 2 [51 - **54**] - 15 December 1911: ?: Collector Unknown: MCZ: 2 [2]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 9, RMCA: 1 [10 - **12**] - 16 December 1911: ?: Collector Unknown: MCZ: 3 [3]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 33, RMCA: 3 [36 - **39**] - 17 December 1911: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 27, RMCA: 2 [29 - **30**] - 18 December 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4 [4 - **4**] - 17 April 1945: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 12 April 1948: ?: Collector Unknown: RBINS: 4 [4 - **4**] - 10 August 1951: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3** - **156**].

Abatupi river: Collection Date Unknown: ?: Collector Unknown: INPBC: 12 [12 - **12** - **12**].

Abialosa river: Collection Date Unknown: Verschuren, Jacques: INPBC: 1 [1 - **1** - **1**].

Abimva: 21 June 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 22 June 1925: Schouteden, Henri: RMCA: 5 [5 - **5**] - 23 June 1925: Schouteden, Henri: RMCA: 5 [5 - **5** - **11**].

Aka: 15 May 1950: de Saeger, H.: RMCA: 6 [6 - **6**] - 23 April 1952: de Saeger, H.; *et al.*: RBINS: 8 [8 - **8**] - 14 May 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 3 [3 - **4**] - 15 May 1952: de Saeger, H.: RMCA: 4 [4]; de Saeger, H.; *et al.*: RBINS: 13 [13 - **17**] - 16 May 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **37**].

Aka river: 22 May 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Aka-Inimvua confluence: 15 May 1952: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **3** - **3**].

Akenge: 7 October 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2** - **2**].

Aketi: 21 June 2015: Vlir/Aketi: UNIKIS: 3 [3 - **3**] - 22 June 2015: Vlir/Aketi: UNIKIS: 5 [5 - **5**] - 23 June 2015: Vlir/Aketi: UNIKIS: 7 [7 - **7**] - 25 June 2015: Vlir/Aketi: UNIKIS: 3 [3 - **3**] - 26 June 2015: Vlir/Aketi: UNIKIS: 3 [3 - **3**] - 27 June 2015: Vlir/Aketi: UNIKIS: 1 [1 - **1**] - 26 August 2015: Vlir/Aketi: UNIKIS: 1 [1 - **1** - **23**].

Alambi: 5 August 1976: Meier, Florian: MHNG: 2 [2 - **2**] - 6 August 1976: Meier, Florian: MHNG: 2 [2 - **2**] - 7 August 1976: Meier, Florian: MHNG: 2 [2 - **2** - **6**].

Albert National Park: Collection Date Unknown: ?: Collector Unknown: INPBC: 38 [38]; de Witte, Gaston-François: RMCA: 2 [2 - **40** - **40**].

Albert, lake: 23 October 1906: Carruthers, Alexander Douglas Mitchell: BMNH: 2 [2 - **2** - **2**].

Albertville: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1]; Bomans, H.: RMCA: 14 [14]; De Roo, Antoon Emeric Marcel: RMCA: 2 [2]; Hecq, Célestin: RMCA: 3 [3]; Royal Museum of Central Africa (RMCA), The: BMNH: 1 [1]; service hygiene publique albertville: RMCA: 2 [2 - **23**] - 12 November 1946: Mission Hydrobiol. Lac Tanganiyka, La: RBINS: 1 [1 - **1**] - 20 November 1946: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 4 March 1947: : RBINS: 1 [1 - **1**] - 5 June 1947: : RBINS: 1 [1 - **1**] - 19 September 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 2 April 1960: Verhoustraete, G.: RMCA: 1 [1 - **1**] - 5 January 1964: De Roo, Antoon Emeric Marcel: AMNH: 7, RMCA: 1 [8 - **8** - **37**].

Albertville-Moba: 23 April 1954: Bomans, H.: RMCA: 1 [1 - **1** - **1**].

Alima: 15 February 1959: Dyleff, P.: RMCA: 2 [2 - **2**] - 5 March 1959: Dyleff, P.: RMCA: 1 [1 - **1**] - 23 September 1959: Dyleff, P.: RMCA: 1 [1 - **1**] - 12 February 1960: Dyleff, P.: RMCA: 1 [1 - **1**] - 2 August 1960: Dyleff, P.: RMCA: 1 [1 - **1** - **6**].

Alipago: 29 May 1938: Vrijdagh, J.M.: RMCA: 2 [2 - **2** - **2**].

Amadjabe: 1 August 1984: Colyn, Marc: RMCA: 1 [1 - **1** - **1**].
Amangundu: Collection Date Unknown: Verschuren, Jacques: INPBC: 1 [1 - **1** - **1**].
Amatupi river: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1]; Verschuren, Jacques: INPBC: 1 [1 - **2** - **2**].
Ambarau: 1 January 1953: Dewulf, H.: RMCA: 1 [1 - **1** - **1**].
Ango: 14 April 1941: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].
Ango cave: 13 April 1941: Vrijdagh, J.M.: RMCA: 3 [3 - **3** - **3**].
Angu, near: 22 April 1906: : BMNH: 1 [1 - **1** - **1**].
Angumu: 1 July 1937: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].
Ankoro: 3 November 1974: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].
Arebi Bondo Mabe: Collection Date Unknown: Schouteden, Henri: RMCA: 2 [2 - **2**] - 19 July 1925: Schouteden, Henri: RMCA: 4 [4 - **4** - **6**].
Athens mission: 23 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 3, RMCA: 4 [7 - **7** - **7**].
Avakubi: Collection Date Unknown: : NMW: 1 [1]; Christy, Cuthbert: BMNH: 1, RMCA: 1 [2 - **3**] - 29 September 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 October 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, MCZ: 1 [2 - **2**] - 13 October 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 15 November 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 16 November 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 17 November 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 18 November 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 20 November 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 37, RMCA: 3 [40 - **40**] - 21 November 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 22 November 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, MCZ: 1 [2 - **2**] - 24 November 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 27 November 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 28 November 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 1 December 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 2 December 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 6 May 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 3 November 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 7 January 1912: Christy, Cuthbert: BMNH: 1 [1 - **1**] - 17 September 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 18 September 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 26 September 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 30 September 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 1 October 1912: Christy, Cuthbert: RMCA: 4 [4 - **4**] - 30 October 1912: ?: Collector Unknown: BMNH: 1 [1]; Christy, Cuthbert: RMCA: 1 [1 - **2**] - 31 October 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 7 November 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 1 September 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 9 September 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 24 September 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 October 1913: Howard, J.A.: KU: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3**] - 10 December 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, MCZ: 1 [2 - **2**] - 15 December 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 23 December 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 28 December 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 January 1914: Bequaert, J.: RMCA: 1 [1 - **1**] - 15 January 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 16 January 1914: Bequaert, J.: RMCA: 1 [1 - **1**] - 17 January 1914: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3**] - 24 January 1914: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3**] - 26 January 1914: Lang, Herbert: FMNH: 1 [1 - **1**] - 28 January 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 13 February 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 21 February 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 24 February 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 26 February 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 27 February 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 28 February 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 3 March 1914: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2**] - 5 March 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 6 March 1914: Howard, J.A.: KU: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3**] - 27 March 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 14 April 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 28 April 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 7 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 11 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 12 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 13 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 14 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 15 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 16 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 18 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 23 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 27 May 1914: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2**] - 28 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 5 June 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5**] - 15 August 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 10 December 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **145**].

Avakubi, near: 8 December 1974: Gallagher, Michael D.: HZM: 1 [1 - **1**] - 9 December 1974: Gallagher, Michael D.: HZM: 1 [1 - **1**] - 10 December 1974: Gallagher, Michael D.: HZM: 1 [1 - **1** - **3**].
Ba Balaye: 24 April 1978: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
Babongena: 1 May 1982: Colyn, Marc: RMCA: 5 [5 - **5** - **5**].
Bafuaboka: 4 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 5 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 10 [10 - **10**] - 6 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 7 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 6 [6 - **6** - **21**].
Bafwabaka: 6 January 1910: ?: Collector Unknown: MCZ: 1 [1 - **1**] - 2 May 1910: Lang, Herbert: FMNH: 1 [1 - **1** - **2**].
Bafwaboka: 28 December 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 4 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4 [4 - **4**] - 5 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5, RMCA: 1 [6 - **6**] - 6 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 7 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 9 [9 - **9**] - 2 March 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 2 May 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4, RMCA: 1 [5 - **5** - **27**].
Baga Cave: 12 March 1956: Anciaux de Faveaux, Félix / Michel: HNHM: 2 [2 - **2** - **2**].
Bagbele: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3**] - 13 April 1950: de Saeger, H.; *et al.*: RBINS: 4 [4 - **4**] - 15 April 1950: de Saeger, H.: RMCA: 4 [4 - **4**] - 30 April 1950: de Saeger, H.: RMCA: 3 [3 - **3** - **14**].
Bagbele Moke: 25 July 1952: de Saeger, H.: RMCA: 1 [1 - **1**] - 26 July 1952: de Saeger, H.: RMCA: 17 [17 - **17** - **18**].
Bagbele Moko: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 18 November 1949: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 24 February 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 3 April 1950: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3**] - 13 April 1950: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 19 April 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 26 July 1952: de Saeger, H.; *et al.*: RBINS: 27 [27 - **27** - **36**].
Bagisana: 19 April 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 21 April 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **3**].
Bagunda: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 18 January 1951: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3**] - 19 January 1951: de Saeger, H.; *et al.*: RBINS: 7 [7 - **7** - **11**].
Bakwakenge: 9 September 1978: Betu Nsankulu: RMCA: 1 [1 - **1**] - 20 August 1979: Betu Nsankulu: RMCA: 1 [1 - **1**] - 12 October 1979: Betu Nsankulu: RMCA: 3 [3 - **3**] - 3 February 1980: Betu Nsankulu: RMCA: 1 [1 - **1** - **6**].
Baliko: Collection Date Unknown: Gembu Tungaluna, Guy-Crispin: RMCA: 12 [12 - **12**] - 7 June 2012: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 10 June 2012: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 11 June 2012: Stanley, William ("Bill") T.: FMNH: 7 [7 - **7**] - 12 June 2012: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6**] - 13 June 2012: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 14 June 2012: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 15 June 2012: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **35**].
Bamangwa: 23 February 1951: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3** - **3**].
Bamania: 1 January 1952: Leonet: RMCA: 1 [1 - **1**] - 16 April 1952: Leonet: RMCA: 1 [1 - **1**] - 20 March 1956: Hulstaert, Gustaaf: RMCA: 1 [1 - **1**] - 1 January 1974: Hulstaert, Gustaaf: RMCA: 1 [1 - **1** - **4**].
Bambesa: Collection Date Unknown: Bredo, H.J.: RMCA: 1 [1 - **1**] - 18 March 1937: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 1 June 1937: Vrijdagh, J.M.: RMCA: 7 [7 - **7**] - 1 April 1938: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 3 June 1938: Vrijdagh, J.M.: RMCA: 2 [2 - **2**] - 22 June 1938: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 27 August 1938: Vrijdagh, J.M.: RMCA: 2 [2 - **2**] - 23 November 1939: Vrijdagh, J.M.: RMCA: 3 [3 - **3**] - 22 April 1940: Vrijdagh, J.M.: RMCA: 2 [2 - **2**] - 24 April 1940: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 30 July 1940: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 24 August 1940: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 27 August 1940: Vrijdagh, J.M.: RMCA: 2 [2 - **2**] - 18 October 1940: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 12 April 1941: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 29 April 1941: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 2 May 1941: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 14 May 1941: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **30**].
Bambu: 1 January 1948: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Bamongwa: 23 February 1951: de Saeger, H.: RMCA: 2 [2 - **2** - **2**].
Banalia: 17 January 1939: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1**] - 26 January 1939: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1**] - 28 January 1939: Hodgson, Duncan M.; Coultas, William F.: MCZ: 2 [2 - **2** - **4**].
Banana: Collection Date Unknown: Hesse, P.: SMF: 5 [5]; Schwetz: RMCA: 2 [2]; Weyns: RMCA: 3 [3 - **10**] - 1 January 1884: Anema, L.: ZMA: 1 [1 - **1**] - 1 January 1889: Hesse, P.: SMF: 2 [2 - **2**] - 9 May 1910: Gruvel, Abel: MNHN: 4 [4 - **4**] - 25 July 1920: Schouteden, Henri: RMCA: 2 [2 - **2**] - 26 July 1920: Schouteden, Henri: RMCA: 1 [1 - **1**] - 1 June 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 18 August 1951: Mesmaekers, Is.: RMCA: 3 [3 - **3**] - 1 January 1952: Mesmaekers, Is.: RMCA: 5 [5 - **5**] - 13 March 1952: Mesmaekers, Is.: RMCA: 10 [10 - **10**] - 12 April 1952: Mesmaekers, Is.: BMNH: 1, RMCA: 16 [17 - **17**] - 1 May 1952: Mesmaekers, Is.: RMCA: 12 [12 - **12**] - 1 August 1952: Mesmaekers, Is.: RMCA: 2 [2 - **2**] - 29 September 1955: Expédition Atlantique Sud 1955, l': RBINS: 2 [2 - **2** - **72**].
Banana - Boma road km 74, 25 km from coast in forest: 16 December 1951: Mesmaekers, Is.: RMCA: 11 [11 - **11** - **11**].
Banana creek: 20 April 1949: MBizi expedition, The: RBINS: 1 [1 - **1** - **1**].
Banana or Netonna: Collection Date Unknown: Hesse, P.: SMF: 3 [3 - **3** - **3**].
Banjan caves: Collection Date Unknown: Schwetz: RMCA: 1 [1 - **1** - **1**].
Banza Nfinda cave: 15 June 1949: Leleup, Narcisse: RMCA: 8 [8 - **8** - **8**].
Barafinda, cave b 13: 15 June 1949: Leleup, Narcisse: RMCA: 7 [7 - **7** - **7**].
Baraka: Collection Date Unknown: Belgian Hydrobiological Expedition to Tanganyika, the: BMNH: 3 [3]; Grauer, Rudolf: ZMB: 1 [1 - **4**] - 16 April 1947: ?: Collector Unknown: BMNH: 1, RBINS: 3 [4]; : RBINS: 1 [1]; Belgian Hydrobiological Expedition to Tanganyika, the: BMNH: 1 [1 - **6** - **10**].
Baraka, 5 mi N: 10 January 1957: Leech, Robin E.; Ross, Edward S.: CAS: 2 [2 - **2** - **2**].
Bas Congo: Collection Date Unknown: Cabra, Alphonse: RMCA: 6 [6]; Richard: RMCA: 1 [1 - **7** - **7**].
Basongo: 19 July 1921: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].
Bata: Collection Date Unknown: Pobéguin, Charles-Henri: MNHN: 1 [1 - **1** - **1**].
Batala's Village: 13 April 1925: Heller, Edmund: FMNH: 11 [11 - **11**] - 16 April 1925: Heller, Edmund: FMNH: 27, ZMUC: 3 [30 - **30** - **41**].
Batoko: 18 November 1913: Bequaert, J.: RMCA: 1 [1 - **1** - **1**].
Baudouinville: 5 May 1948: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 12 December 1953: Bomans, H.: RMCA: 1 [1 - **1** - **2**].
Bauelendu: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2 - **2**] - 31 January 1955: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 2 February 1955: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **4**].

Baya carrière: 26 June 1962: Parent: RMCA: 1 [1 - **1**] - 1 December 1962: Verheyen, Walter N.: RMCA: 5 [5 - **5**] - 26 June 1963: Parent: RMCA: 3 [3 - **3**] - 17 May 1965: Verheyen, Walter N.: RMCA: 68 [68 - **68** - **77**].
Baya caves: Collection Date Unknown: Anciaux de Faveaux, Félix / Michel: MNHN: 3 [3 - **3**] - 12 March 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **5**].
Baye via Bondo: 13 December 1956: Rooyakkers: RMCA: 3 [3 - **3** - **3**].
Befale: 1 September 1927: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].
Bela: 14 April 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].
Belgian River: 30 December 1926: ?: Collector Unknown: MCZ: 1 [1 - **1** - **1**].
Bena Mbala: 12 January 1984: Betu Nsankulu: RMCA: 1 [1 - **1**] - 15 January 1984: Betu Nsankulu: RMCA: 2 [2 - **2**] - 21 February 1984: Betu Nsankulu: RMCA: 2 [2 - **2** - **5**].
Bena Tshiadi: 1 April 1979: Robertson: RMCA: 1 [1 - **1** - **1**].
Bene Longo: 23 August 1978: Betu Nsankulu: RMCA: 2 [2 - **2**] - 12 October 1979: Betu Nsankulu: RMCA: 1 [1 - **1** - **3**].
Bengale: 28 December 1976: Tshinyenye: RMCA: 2 [2 - **2** - **2**].
Beni: Collection Date Unknown: Bonnevie: RMCA: 6 [6]; Grauer, Rudolf: NMW: 1 [1]; Lisfranc: RMCA: 2 [2 - **9**] - 8 August 1906: Dent, R.E.: BMNH: 2 [2 - **2**] - 2 June 1914: Bonnevie: RMCA: 1 [1 - **1**] - 8 March 1925: Heller, Edmund: FMNH: 3, MCZ: 1 [4 - **4**] - 9 March 1925: Heller, Edmund: FMNH: 1 [1 - **1**] - 11 March 1925: Heller, Edmund: FMNH: 1 [1 - **1**] - 18 March 1925: Heller, Edmund: FMNH: 1 [1 - **1**] - 22 March 1925: Heller, Edmund: FMNH: 2 [2 - **2**] - 24 March 1925: Heller, Edmund: FMNH: 2 [2 - **2**] - 28 March 1925: Heller, Edmund: FMNH: 6 [6 - **6**] - 1 October 1932: Hackars, Henri Martin: RMCA: 1 [1 - **1**] - 20 October 1932: Hackars, Henri Martin: RMCA: 1 [1 - **1** - **31**].
Beno: Collection Date Unknown: Bayet, P.: BMNH: 1, RMCA: 7 [8]; Royal Museum of Central Africa (RMCA), The: BMNH: 2 [2 - **10**] - 1 January 1949: Bayet, P.: BMNH: 4, RMCA: 27 [31 - **31** - **41**].
Benza Masola: 1 May 1913: Mayné: RMCA: 3 [3 - **3** - **3**].
Benzale: 28 December 1976: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Beyi - Kalonji: 18 February 1980: Betu Nsankulu: RMCA: 1 [1 - **1**] - 22 February 1980: Betu Nsankulu: RMCA: 2 [2 - **2** - **3**].
Biadimbi: 20 February 1951: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 4 [4 - **5**] - 21 February 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **6**].
Biakabomba: 18 April 1979: Betu Nsankulu: RMCA: 1 [1 - **1**] - 24 April 1979: Betu Nsankulu: RMCA: 4 [4 - **4** - **5**].
Biangolo: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].
Bikoro: 27 February 1921: Schouteden, Henri: RMCA: 7 [7 - **7**] - 2 March 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 25 June 1956: Novick, Alvin: MCZ: 6 [6 - **6** - **14**].
Binga: Collection Date Unknown: Van den Put: RMCA: 1 [1 - **1** - **1**].
Bitale: 12 June 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 14 June 1970: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 21 June 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **4**].
Bitshumbi: Collection Date Unknown: de Witte, Gaston-François: RMCA: 5 [5 - **5** - **5**].
Biyonga: 17 August 1953: Dupuis, L.: RMCA: 1 [1 - **1** - **1**].
Blukwa: 9 July 1952: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Boangi: 17 April 1954: Verbuyt, P.: RMCA: 2 [2 - **2** - **2**].
Bobandana: 10 July 1933: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Bodjoki - Bumba: 1 January 1985: WHO; Colyn, Marc: RMCA: 1 [1 - **1**] - 1 January 1986: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **2**].
Boende: Collection Date Unknown: Lootens, P.: RMCA: 8 [8]; Wynants, R.P.: RMCA: 1 [1 - **9**] - 1 January 1931: Lootens, P.: RMCA: 1 [1]; Wynants, R.P.: RMCA: 1 [1 - **2**] - 23 May 1939: Wynants, R.P.: RMCA: 1 [1 - **1**] - 4 June 1939: Wynants, R.P.: RMCA: 1 [1 - **1**] - 25 September 1939: Wijnant, E.P.: RMCA: 1 [1 - **1**] - 15 March 1940: Wynants, R.P.: RMCA: 1 [1 - **1**] - 6 August 1947: Huypens: RMCA: 1 [1 - **1**] - 1 January 1966: Lootens, P.: RMCA: 88 [88 - **88**] - 18 November 1966: Lootens, P.: RMCA: 1 [1 - **1**] - 1 January 1967: Lootens, P.: RMCA: 83 [83 - **83**] - 1 January 1969: Lootens, P.: RMCA: 4 [4 - **4**] - 8 January 1969: Lootens, P.: RMCA: 1 [1 - **1**] - 11 January 1969: Lootens, P.: RMCA: 2 [2 - **2**] - 1 October 1969: Lootens, P.: RMCA: 1 [1 - **1**] - 1 November 1969: Lootens, P.: RMCA: 28 [28 - **28**] - 1 December 1969: Lootens, P.: RMCA: 3 [3 - **3**] - 1 January 1970: Lootens, P.: RMCA: 3 [3 - **3**] - 1 February 1970: Lootens, P.: RMCA: 3 [3 - **3**] - 1 August 1972: Lootens, P.: RMCA: 1 [1 - **1**] - 1 January 1973: Lootens, P.: RMCA: 2 [2 - **2**] - 1 January 1974: Lootens, P.: RMCA: 14 [14 - **14**] - 27 June 2013: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4**] - 4 July 2013: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4**] - 6 July 2013: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **262**].
Boga: 10 April 1912: Pilette, André: RMCA: 1 [1 - **1** - **1**].
Bokala: Collection Date Unknown: Maes: RMCA: 1 [1 - **1** - **1**].
Bokalakala: 1 October 1949: Ngwe: RMCA: 1 [1 - **1**] - 25 April 1959: N'Kele: RMCA: 6 [6 - **6**] - 8 May 1959: N'Kele: RMCA: 1 [1 - **1**] - 13 October 1959: N'Kele: RMCA: 1 [1 - **1**] - 23 October 1959: N'Kele: RMCA: 1 [1 - **1**] - 18 November 1959: N'Kele: RMCA: 1 [1 - **1** - **11**].
Bokoro: Collection Date Unknown: Jans, E.: RMCA: 4 [4 - **4**] - 1 January 1952: Jans, E.: RMCA: 1 [1 - **1** - **5**].
Bokuma: Collection Date Unknown: Lootens, P.: RMCA: 19 [19 - **19**] - 1 January 1931: Lootens, P.: RMCA: 4 [4 - **4**] - 1 October 1950: Lootens, P.: RMCA: 2 [2 - **2**] - 2 October 1950: Lootens, P.: RMCA: 1 [1 - **1**] - 4 October 1950: Lootens, P.: RMCA: 1 [1 - **1**] - 16 October 1950: Lootens, P.: RMCA: 3 [3 - **3**] - 22 October 1950: Lootens, P.: RMCA: 1 [1 - **1**] - 18 May 1951: Lootens, P.: RMCA: 1 [1 - **1**] - 6 June 1951: Lootens, P.: RMCA: 1 [1 - **1**] - 1 January 1952: Lootens, P.: RMCA: 1 [1 - **1**] - 30 January 1952: Lootens, P.: RMCA: 3 [3 - **3**] - 7 February 1952: Lootens, P.: RMCA: 4 [4 - **4**] - 2 March 1952: Lootens, P.: RMCA: 5 [5 - **5**] - 7 March 1952: Lootens, P.: RMCA: 1 [1 - **1**] - 15 March 1952: Lootens, P.: RMCA: 3 [3 - **3**] - 23 March 1952: Lootens, P.: RMCA: 3 [3 - **3**] - 20 July 1952: Lootens, P.: RMCA: 1 [1 - **1**] - 25 July 1952: Lootens, P.: RMCA: 2 [2 - **2**] - 14 December 1952: Lootens, P.: RMCA: 1 [1 - **1**] - 1 June 1953: Lootens, P.: RMCA: 11 [11 - **11**] - 1 January 1954: Lootens, P.: RMCA: 37 [37 - **37**] - 1 February 1954: Lootens, P.: RMCA: 2 [2 - **2**] - 23 February 1954: Lootens, P.: RMCA: 3 [3 - **3**] - 10 March 1954: Lootens, P.: RMCA: 1 [1 - **1** - **111**].
Bokungu: Collection Date Unknown: Dupuis, L.: RMCA: 8 [8 - **8**] - 27 February 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 30 June 1948: Dupuis, L.: RMCA: 1 [1 - **1**] - 2 December 1948: Dupuis, L.: RMCA: 1 [1 - **1**] - 11 December 1948: Dupuis, L.: RMCA: 1 [1 - **1**] - 25 December 1948: Dupuis, L.: RMCA: 2 [2 - **2**] - 1 January 1949: Dupuis, L.: RMCA: 2 [2 - **2**] - 14 June 1949: Dupuis, L.: RMCA: 1 [1 - **1**] - 19 January 1952: Dupuis, L.: RMCA: 2 [2 - **2**] - 28 April 1952: Dupuis, L.: RMCA: 1 [1 - **1** - **20**].
Bolafa: 1 May 1956: Stevenart: RMCA: 6 [6 - **6** - **6**].
Bolobo: Collection Date Unknown: Ngwe: RMCA: 5 [5]; N'Kele: RMCA: 15 [15]; Royal Museum of Central Africa (RMCA), The: BMNH: 2 [2 - **22**] - 27 March 1921: Schouteden, Henri: RMCA: 12 [12 - **12**] - 1 January 1931: N'Kele: RMCA: 1 [1 - **1** - **35**].

Boma: Collection Date Unknown: Barthélemy: RMCA: 1 [1]; Colsoulle: RMCA: 54 [54]; Dartevelle: RMCA: 14 [14]; Gerard: RMCA: 1 [1]; Institute of Tropical Medicine "Prince Leopold": RMCA: 6 [6]; Rodhain, J.: RMCA: 7 [7]; Schouteden, Henri: RMCA: 1 [1]; Van Riel: RMCA: 2 [2 - **86**] - 1 March 1887: Hesse, P.: SMF: 1 [1 - **1**] - 6 April 1913: Styczynski: RMCA: 1 [1 - **1**] - 3 September 1913: Styczynski: RMCA: 1 [1 - **1**] - 7 October 1913: Styczynski: RMCA: 2 [2 - **2**] - 25 January 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 26 January 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 27 January 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 29 January 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 15 June 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 5 July 1920: Schouteden, Henri: RMCA: 2 [2 - **2**] - 1 August 1920: Schouteden, Henri: RMCA: 4 [4 - **4**] - 1 October 1920: Schouteden, Henri: RMCA: 2 [2 - **2**] - 20 November 1920: Schouteden, Henri: RMCA: 2 [2 - **2**] - 21 November 1920: Schouteden, Henri: RMCA: 3 [3 - **3**] - 23 November 1920: Schouteden, Henri: RMCA: 14 [14 - **14**] - 24 November 1920: Schouteden, Henri: RMCA: 7 [7 - **7**] - 25 November 1920: Schouteden, Henri: RMCA: 1 [1 - **1**] - 26 November 1920: Schouteden, Henri: RMCA: 1 [1 - **1**] - 28 November 1920: Schouteden, Henri: RMCA: 1 [1 - **1**] - 1 January 1922: Schouteden, Henri: RMCA: 3 [3 - **3**] - 15 August 1922: Rodhain, J.: RMCA: 4 [4 - **4**] - 1 August 1928: Gerard: RMCA: 12 [12 - **12**] - 1 April 1936: Schwetz: RMCA: 8 [8 - **8**] - 1 September 1954: Cassart: RMCA: 1 [1 - **1**] - 1 February 1955: Mesmaekers, Is.: RMCA: 2 [2 - **2** - **165**].

Bomane: 21 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 26 [26 - **26**] - 22 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 2 [2 - **2**] - 23 May 2010: Gembu Tungaluna, Guy-Crispin: RMCA: 1 [1 - **1**] - 24 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1**] - 30 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 9 [9 - **9**] - 31 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1** - **40**].

Bombanga - Bumba: 1 January 1986: WHO; Colyn, Marc: RMCA: 1 [1 - **1**] - 7 August 1986: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **2**].

Bombia Bonelu: 19 June 1979: Meier, Florian: MHNG: 1 [1 - **1** - **1**].

Bombo Lumene: 20 August 1992: Tshinyenye: RMCA: 5 [5 - **5** - **5**].

Bomili: 16 August 1938: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1**] - 17 August 1938: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **2**].

Bondo: 1 November 1957: Roland: RMCA: 5 [5 - **5** - **5**].

Bongale: 15 March 1951: Lootens, P.: RMCA: 1 [1 - **1**] - 22 March 1951: Lootens, P.: RMCA: 1 [1 - **1** - **2**].

Bongandjola: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Bongeya river: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3** - **3**].

Bonzale: 13 July 1979: Meier, Florian: MHNG: 1 [1 - **1** - **1**].

Bosodula: 19 October 1941: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 25 October 1942: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **2**].

Bossafinda: Collection Date Unknown: Royal Museum of Central Africa (RMCA), The: BMNH: 5 [5 - **5** - **5**].

Boteka: 22 July 1984: Lootens, P.: RMCA: 1 [1 - **1**] - 26 August 1984: Lootens, P.: RMCA: 1 [1 - **1**] - 1 February 1985: Lootens, P.: RMCA: 10 [10 - **10**] - 16 February 1985: Lootens, P.: RMCA: 1 [1 - **1**] - 31 March 1985: Lootens, P.: RMCA: 1 [1 - **1**] - 10 October 1985: Lootens, P.: RMCA: 1 [1 - **1**] - 14 October 1985: Lootens, P.: RMCA: 1 [1 - **1**] - 20 October 1985: Lootens, P.: RMCA: 1 [1 - **1**] - 25 October 1985: Lootens, P.: RMCA: 1 [1 - **1** - **18**].

Bozade: 20 July 1979: Meier, Florian: MHNG: 1 [1 - **1** - **1**].

Bugara: Collection Date Unknown: ?: Collector Unknown: INPBC: 10 [10 - **10**] - 3 December 1953: de Witte, Gaston-François: RMCA: 11 [11 - **11** - **21**].

Bukama: Collection Date Unknown: Brien: RMCA: 16 [16 - **16**] - 1 June 1937: Brien: RMCA: 1 [1 - **1**] - 1 June 1939: Brien: RMCA: 1 [1 - **1** - **18**].

Bukavu: Collection Date Unknown: Camerman: RMCA: 3 [3]; Vercammen, P.G.: RMCA: 2 [2]; Verschuren, Jacques: INPBC: 1 [1 - **6**] - 1 January 1952: Vercammen, P.G.: RMCA: 1 [1 - **1**] - 16 August 1952: Vercammen, P.G.: RMCA: 4 [4 - **4**] - 1 July 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **12**].

Bulaga: 26 March 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Bulaya: Collection Date Unknown: ?: Collector Unknown: INPBC: 10 [10 - **10** - **10**].

Buluku river: 12 July 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 22 May 1952: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 5 [5 - **8** - **9**].

Bulundu: Collection Date Unknown: Rahm, Uwe: BMNH: 1 [1 - **1** - **1**].

Bumali: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3** - **3**].

Bumba: Collection Date Unknown: Lootens, P.: RMCA: 1 [1 - **1**] - 30 December 1926: ?: Collector Unknown: MCZ: 1 [1 - **1**] - 1 January 1927: Coolidge, Harold Jefferson: MCZ: 1 [1]; Linder, David H.: MCZ: 1 [1 - **2**] - 30 December 1930: ?: Collector Unknown: MCZ: 5 [5 - **5** - **9**].

Bunia: Collection Date Unknown: Maristes: RMCA: 3 [3]; Putnam: RMCA: 6 [6 - **9**] - 1 April 1927: Coolidge, Harold Jefferson: MCZ: 3 [3 - **3**] - 1 January 1951: Fain, Alexandre: RMCA: 1 [1 - **1** - **13**].

Bunkeya: 26 January 1958: Van Oost: RMCA: 1 [1 - **1**] - 24 March 1958: Van Oost: RMCA: 1 [1 - **1** - **2**].

Bunyangura: Collection Date Unknown: ?: Collector Unknown: INPBC: 33 [33 - **33**] - 9 December 1953: de Witte, Gaston-François: RMCA: 11 [11 - **11**] - 22 November 1954: de Witte, Gaston-François: RMCA: 6 [6 - **6**] - 11 January 1955: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **51**].

Bunyenzi: Collection Date Unknown: ?: Collector Unknown: INPBC: 23 [23 - **23**] - 15 September 1953: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 17 September 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 3 February 1954: de Witte, Gaston-François: RMCA: 16 [16 - **16** - **42**].

Bushanganya: 20 October 1953: De Schrijver: RMCA: 1 [1 - **1** - **1**].

Bushokwe Caves: 1 August 1956: Novick, Alvin: MCZ: 2 [2 - **2**] - 3 June 1957: Dubois, Jean: MCZ: 12 [12 - **12** - **14**].

Busholinka river: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 18 February 1954: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **3**].

Bushushu: 20 June 1959: Rahm, Uwe: RMCA: 1 [1 - **1**] - 26 June 1959: Rahm, Uwe: RMCA: 1 [1 - **1** - **2**].

Busu Mokalu: 5 November 1938: Baudart: RMCA: 6 [6 - **6** - **6**].

Buta: Collection Date Unknown: Hutsebaut, Jozef: RMCA: 68 [68 - **68**] - 1 January 1925: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - 29 January 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 1 December 1927: Hutsebaut, Jozef: MCZ: 1 [1 - **1**] - 20 February 1928: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 1 January 1930: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 1 January 1932: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 1 June 1934: Hutsebaut, Jozef: RMCA: 10 [10 - **10**] - 1 December 1934: Hutsebaut,

Jozef: RMCA: 1 [1 - **1**] - 1 January 1935: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - 11 March 1935: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 8 January 1936: Hutsebaut, Jozef: RMCA: 3 [3 - **3**] - 13 January 1936: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 19 January 1936: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 12 June 1936: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - 14 August 1938: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 12 September 1939: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 10 May 1940: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 2 August 1940: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 12 January 1944: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 12 March 1945: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 10 December 1946: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 24 December 1946: Hendricks, F.L.: RBINS: 2 [2 - **2**] - 20 June 1949: Hutsebaut, Jozef: RMCA: 6 [6 - **6**] - 1 July 1949: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - 1 February 1950: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 6 December 1950: ?: Collector Unknown: RBINS: 1 [1 - **1** - **115**].

Butagu Valley: 24 December 1926: Chapin, James Paul: AMNH: 2 [2]; Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **3** - **3**].

Butembo: Collection Date Unknown: Dyleff, P.: RMCA: 73 [73]; Prigogine, Alexandre: RMCA: 7 [7 - **80**] - 10 August 1947: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 12 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 14 August 1947: ?: Collector Unknown: RBINS: 5 [5 - **5**] - 16 August 1947: Hiernaux, Jean: RBINS: 1 [1 - **1**] - 4 February 1950: Dyleff, P.: RMCA: 1 [1 - **1**] - 25 April 1954: Dyleff, P.: RMCA: 3 [3 - **3**] - 1 July 1955: Dyleff, P.: RMCA: 1 [1 - **1**] - 1 August 1955: Dyleff, P.: RMCA: 1 [1 - **1**] - 1 January 1956: Dyleff, P.: RMCA: 8 [8 - **8**] - 31 January 1956: Dyleff, P.: RMCA: 3 [3 - **3**] - 1 February 1956: Dyleff, P.: RMCA: 2 [2 - **2**] - 11 February 1956: Dyleff, P.: RMCA: 6 [6 - **6**] - 21 February 1956: Dyleff, P.: RMCA: 3 [3 - **3**] - 1 April 1956: Dyleff, P.: RMCA: 1 [1 - **1**] - 22 April 1956: Dyleff, P.: RMCA: 1 [1 - **1**] - 28 April 1956: Dyleff, P.: RMCA: 1 [1 - **1**] - 3 May 1956: Dyleff, P.: RMCA: 1 [1 - **1**] - 1 June 1956: Dyleff, P.: RMCA: 4 [4 - **4**] - 1 July 1956: Dyleff, P.: RMCA: 10 [10 - **10**] - 27 July 1956: Dyleff, P.: RMCA: 1 [1 - **1**] - 13 August 1956: De Semeries: RMCA: 1 [1 - **1**] - 1 April 1957: Dyleff, P.: RMCA: 3 [3 - **3**] - 25 July 1957: Dyleff, P.: RMCA: 1 [1 - **1**] - 20 August 1957: Dyleff, P.: RMCA: 1 [1 - **1**] - 26 August 1957: Dyleff, P.: RMCA: 1 [1 - **1**] - 8 September 1957: Dyleff, P.: RMCA: 1 [1 - **1**] - 8 January 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 10 January 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 22 January 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 5 February 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 27 February 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 6 March 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 18 March 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 4 April 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 16 April 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 23 April 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 24 April 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 28 April 1958: Dyleff, P.: RMCA: 3 [3 - **3**] - 5 May 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 14 May 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 16 May 1958: Dyleff, P.: RMCA: 2 [2 - **2**] - 2 June 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 4 June 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 7 June 1958: Dyleff, P.: RMCA: 2 [2 - **2**] - 9 June 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 16 June 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 8 July 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 10 July 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 15 July 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 22 July 1958: Dyleff, P.: RMCA: 2 [2 - **2**] - 29 July 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 12 August 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 13 August 1958: Dyleff, P.: RMCA: 2 [2 - **2**] - 14 August 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 16 August 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 20 August 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 27 August 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 17 September 1958: Dyleff, P.: RMCA: 2 [2 - **2**] - 1 October 1958: Dyleff, P.: RMCA: 1 [1 - **1**] - 16 March 1959: Dyleff, P.: RMCA: 9 [9 - **9**] - 26 July 1960: Dyleff, P.: RMCA: 1 [1 - **1**] - 18 January 1961: Dyleff, P.: RMCA: 1 [1 - **1**] - 31 December 1969: Celis, M.J.; Lejeune, M.: RMCA: 2 [2 - **2**] - 1 January 1970: Celis, M.J.; Lejeune, M.: RMCA: 12 [12 - **12**] - 17 October 1971: Lejeune, M.: RMCA: 1 [1 - **1**] - 1 November 1971: Lejeune, M.: RMCA: 4 [4 - **4**] - 17 May 1975: Lejeune, M.: RMCA: 1 [1 - **1**] - 20 May 1975: Lejeune, M.: RMCA: 1 [1 - **1**] - 21 May 1975: Lejeune, M.: RMCA: 1 [1 - **1**] - 25 May 1975: Lejeune, M.: RMCA: 1 [1 - **1**] - 1 June 1975: Lejeune, M.: RMCA: 1 [1 - **1**] - 7 June 1975: Lejeune, M.: RMCA: 2 [2 - **2** - **221**].

Butembo region: 31 July 1947: Hiernaux, Jean: RBINS: 1 [1 - **1** - **1**].

Bwamanda: 1 July 1961: Maes, Vedast (Gaston Alfons): RMCA: 2 [2 - **2** - **2**].

Bwandza: 30 June 1979: Meier, Florian: MHNG: 3 [3 - **3** - **3**].

Bwirina: Collection Date Unknown: ?: Collector Unknown: INPBC: 7 [7 - **7** - **7**].

Byangore river: 27 April 1952: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1** - **1**].

Byonga: 5 April 1962: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 24 November 1962: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 11 January 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 12 January 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 22 January 1965: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 24 January 1965: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 28 January 1965: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 22 February 1965: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 21 September 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 23 September 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 6 October 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 4 January 1972: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 10 January 1972: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 16 January 1973: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **14**].

Camp Putnam: 1 May 1953: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Cape Cassa Mabongo: Collection Date Unknown: Belgian Hydrobiological Expedition to Tanganyika, the: BMNH: 8 [8 - **8** - **8**].

Cape Lopez: 10 February 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Catchpole's Farm: 27 July 1924: Heller, Edmund: FMNH: 1 [1 - **1**] - 28 July 1924: Heller, Edmund: FMNH: 1 [1 - **1**] - 29 July 1924: Heller, Edmund: FMNH: 1 [1 - **1**] - 27 August 1924: Heller, Edmund: FMNH: 1 [1 - **1**] - 28 August 1924: Heller, Edmund: FMNH: 1 [1 - **1**] - 29 August 1924: Collins, Alfred Morris: FMNH: 1 [1 - **1**] - 24 October 1924: Heller, Edmund: FMNH: 1 [1 - **1** - **7**].

Cave C.8.1: 1 January 2002: Kimbembi-ma-Ibaka, A.: ZMA: 1 [1 - **1** - **1**].

Cave C.8.2: 1 January 2002: Kimbembi-ma-Ibaka, A.: ZMA: 1 [1 - **1** - **1**].

Cel I: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 1 February 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 12 February 1950: de Saeger, H.: RMCA: 1 [1 - **1**] - 24 February 1950: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - 3 April 1950: de Saeger, H.: RMCA: 1 [1 - **1**] - 17 May 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 5 June 1950: de Saeger, H.: RMCA: 1 [1 - **1**] - 19 July 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 31 October 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 22 November 1950: de Saeger, H.: RMCA: 2 [2 - **2**] - 6 December 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 12 December 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **14**].

Cel II: Collection Date Unknown: ?: Collector Unknown: INPBC: 10, RBINS: 1 [11 - **11**] - 1 January 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 16 January 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 1 February 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 8 February 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 9 February 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 16 February 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 1 March 1951: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **4**] - 7 March 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 8 March 1951: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 14 March 1951: de Saeger, H.: RMCA: 1 [1 - **1**] - 16 March 1951: de Saeger, H.: RMCA: 10 [10]; de Saeger, H.; *et al.*: RBINS: 5 [5 - **15**] - 17 March 1951: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3**] - 30 March 1951: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **3**] - 2 April 1951: de Saeger,

H.: RMCA: 6 [6]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **8**] - 8 April 1951: de Saeger, H.: RMCA: 1 [1 - **1**] - 22 April 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 10 May 1951: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 13 [13 - **16**] - 12 May 1951: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - 21 May 1951: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 3 [3 - **4**] - 22 May 1951: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 26 May 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 29 May 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 31 May 1951: de Saeger, H.: RMCA: 3 [3 - **3**] - 1 June 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 8 June 1951: de Saeger, H.: RMCA: 1 [1 - **1**] - 25 June 1951: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 29 June 1951: de Saeger, H.: RMCA: 1 [1 - **1**] - 19 July 1951: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 3 [3 - **4**] - 21 July 1951: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **4**] - 23 July 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 24 August 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 25 September 1951: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 5 October 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 2 November 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 10 November 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 16 November 1951: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3**] - 26 November 1951: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **4**] - 12 December 1951: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - 15 January 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - 31 January 1952: de Saeger, H.: RMCA: 5 [5]; de Saeger, H.; *et al.*: RBINS: 4 [4 - **9**] - 1 February 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - 12 February 1952: de Saeger, H.: RMCA: 2 [2 - **2**] - 16 February 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 18 February 1952: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3**] - 21 February 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 25 February 1952: de Saeger, H.: RMCA: 1 [1 - **1**] - 26 February 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3**] - 27 February 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 7 March 1952: de Saeger, H.: RMCA: 2 [2 - **2**] - 8 March 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 31 March 1952: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **4**] - 2 April 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 3 [3 - **4**] - 3 April 1952: de Saeger, H.: RMCA: 1 [1 - **1**] - 7 April 1952: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **4**] - 8 April 1952: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **5**] - 21 April 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 30 April 1952: de Saeger, H.: RMCA: 4 [4]; de Saeger, H.; *et al.*: RBINS: 8 [8 - **12**] - 3 May 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 8 May 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3**] - 10 May 1952: de Saeger, H.: RMCA: 2 [2 - **2**] - 15 May 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 19 May 1952: de Saeger, H.: RMCA: 1 [1 - **1**] - 26 May 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 28 May 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 16 July 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - 3 September 1952: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 6 [6 - **9**] - 8 September 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 3 October 1952: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **4**] - 22 October 1952: de Saeger, H.: RMCA: 2 [2 - **2** - **202**].

Cinputu: 13 September 1983: Betu Nsankulu: RMCA: 2 [2 - **2**] - 14 September 1983: Betu Nsankulu: RMCA: 2 [2 - **2** - **4**].

Congo da Lemba: Collection Date Unknown: Mayné: RMCA: 9 [9]; Van Bellighen, Paul: RMCA: 3 [3 - **12**] - 13 January 1900: Van Bellighen, Paul: RMCA: 2 [2 - **2**] - 1 January 1912: Mayné: RMCA: 1 [1 - **1** - **15**].

Congo river, 75 mi up: Collection Date Unknown: Bates, George Latimer: USNM: 2 [2 - **2**] - 1 August 1897: ?: Collector Unknown: USNM: 3 [3]; Bates, George Latimer: USNM: 1 [1 - **4** - **6**].

Congo-Nil-Aka: 20 May 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Costermansville: Collection Date Unknown: Bomans, H.: RMCA: 1 [1]; Hautmann: RMCA: 1 [1 - **2**] - 1 May 1950: Babilon: RMCA: 1 [1 - **1** - **3**].

Dedegwa river: 1 January 1950: de Saeger, H.: RMCA: 1 [1 - **1**] - 19 May 1952: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 9 [9 - **12** - **13**].

Defrenne cave: 19 September 1948: Leleup, Narcisse: RMCA: 16 [16 - **16**] - 25 September 1948: Leleup, Narcisse: RMCA: 23 [23 - **23**] - 2 April 1957: Verhoustraete, G.: RMCA: 1 [1 - **1**] - 3 April 1957: Verhoustraete, G.: RMCA: 1 [1 - **1**] - 19 June 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 31 August 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 21 June 1959: Anciaux de Faveaux, Félix / Michel: RMCA: 107 [107 - **107**] - 7 August 1960: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - 25 August 1962: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1** - **153**].

Dethioux farm cave: 29 September 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 7 [7 - **7** - **7**].

Dethioux farm, cave I: 15 June 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 7 [7 - **7** - **7**].

Dethioux farm, cave II: 15 June 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Dethiox caves: 4 June 1960: Anciaux de Faveaux, Félix / Michel: SMF: 10 [10 - **10** - **10**].

Detioux Cave: 4 June 1960: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **1**].

Digba: 1 July 1981: Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Dika: 19 March 1925: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Dikul River: Collection Date Unknown: Neave, S.A.: BMNH: 2 [2 - **2** - **2**].

Dikuluwe cave: 2 January 1954: de Caters, Th.: RMCA: 12 [12 - **12** - **12**].

Dikulwe river: Collection Date Unknown: Neuve: BMNH: 1 [1 - **1** - **1**].

Dilolo: Collection Date Unknown: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - 1 January 1932: Delvaux: RMCA: 1 [1 - **1**] - 2 February 1948: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 9 February 1948: Hutsebaut, Jozef: RMCA: 2 [2 - **2** - **6**].

Dilolo station: 1 March 1934: Richard: RMCA: 1 [1 - **1** - **1**].

Dimbelenge: 23 June 1980: Betu Nsankulu: RMCA: 1 [1 - **1**] - 27 June 1980: Betu Nsankulu: RMCA: 3 [3 - **3**] - 28 June 1980: Betu Nsankulu: RMCA: 2 [2 - **2** - **6**].

Djabir: Collection Date Unknown: Musaba Akawa, Prescott: RMCA: 7 [7 - **7**] - 8 May 2011: Musaba Akawa, Prescott: RMCA: 8 [8]; Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 27 [27 - **35**] - 9 May 2011: Musaba Akawa, Prescott: RMCA: 17 [17]; Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 26 [26 - **43**] - 10 May 2011: Musaba Akawa, Prescott: RMCA: 15 [15]; Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 16 [16 - **31**] - 11 May 2011: Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 1 [1 - **1**] - 12 May 2011: Musaba Akawa, Prescott: RMCA: 13 [13]; Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 10 [10 - **23**] - 13 May 2011: Musaba Akawa, Prescott; Kosele, Jonathan: UNIKIS: 17 [17 - **17** - **157**].

Djamba: 1 December 1924: Schouteden, Henri: RMCA: 1 [1 - **1**] - 19 December 1924: Schouteden, Henri: RMCA: 1 [1 - **1**] - 20 December 1924: Schouteden, Henri: RMCA: 1 [1 - **1** - **3**].

Djeka: Collection Date Unknown: Roiseux: RMCA: 3 [3 - **3**] - 29 May 1955: Roiseux: RMCA: 4 [4 - **4** - **7**].

Djelube river, lower: Collection Date Unknown: ?: Collector Unknown: INPBC: 2, RBINS: 1 [3 - **3** - **3**].

Djelube river, middle: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2]; Verschuren, Jacques: INPBC: 6 [6 - **8** - **8**].

Djemba: Collection Date Unknown: ?: Collector Unknown: INPBC: 18 [18 - **18** - **18**].

Djomba: Collection Date Unknown: ?: Collector Unknown: INPBC: 13 [13 - **13** - **13**].

Djugu forest: 1 January 1948: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 1 January 1952: Fain, Alexandre: RMCA: 1 [1 - **1** - **2**].
Djumma river, upper: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1]; Verschuren, Jacques: INPBC: 1 [1 - **2** - **2**].
Dramba: 18 April 1925: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].
Drodro: 22 September 1952: Fain, Alexandre: MHNG: 1 [1 - **1** - **1**].
Dubulu: 14 January 1932: Bredo, H.J.: RMCA: 1 [1 - **1** - **1**].
Duma: 1 October 1910: ?: Collector Unknown: SMF: 1 [1]; : SMF: 1 [1]; Tr. z. U., Ad.: ZMH: 2 [2 - **4**] - 12 October 1910: : SMF: 2 [2]; Schubolz, H.: SMF: 1 [1 - **3**] - 1 September 1911: Herzog, A.T.M.: SMF: 1 [1 - **1** - **8**].
Dumma river, middle: Collection Date Unknown: Verschuren, Jacques: INPBC: 1 [1 - **1** - **1**].
Dungu: Collection Date Unknown: ?: Collector Unknown: RBINS: 18 [18]; Hutereau, M.: RMCA: 9 [9 - **27**] - 1 March 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 8, MCZ: 1, RMCA: 1 [10 - **10**] - 1 May 1913: Lang, Herbert: FMNH: 2 [2 - **2**] - 1 April 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 1 May 1948: ?: Collector Unknown: RBINS: 16 [16 - **16**] - 5 October 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **57**].
Eala: Collection Date Unknown: Mayné: RMCA: 1 [1]; Verlaine: RMCA: 1 [1 - **2**] - 1 January 1921: Schouteden, Henri: RMCA: 1 [1]; Verlaine: RMCA: 1 [1 - **2**] - 2 January 1921: Schouteden, Henri: RMCA: 2 [2 - **2**] - 3 January 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 4 January 1921: Schouteden, Henri: RMCA: 4 [4 - **4**] - 5 January 1921: Schouteden, Henri: RMCA: 2 [2 - **2**] - 24 January 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 1 March 1921: ?: Collector Unknown: RMCA: 1 [1 - **1**] - 15 March 1921: Schouteden, Henri: RMCA: 2 [2 - **2**] - 1 July 1935: Ghesquière, J.: RMCA: 1 [1 - **1**] - 1 August 1936: Ghesquière, J.: RMCA: 2 [2 - **2** - **20**].
Eastern Congo: Collection Date Unknown: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].
Edouard,lac: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 10 July 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 13 March 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 26 January 1954: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 11 November 1954: ?: Collector Unknown: RBINS: 1 [1 - **1** - **6**].
Eidolon land: 4 October 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 15 [15 - **15** - **15**].
Elila: 16 July 1947: Poll, Max: RMCA: 1 [1 - **1** - **1**].
Elisabetha: Collection Date Unknown: Tinant: RMCA: 2 [2 - **2** - **2**].
Elisabethville: Collection Date Unknown: Anciaux de Faveaux, Félix / Michel: MNHN: 3 [3]; Bequaert, J.: RMCA: 1 [1]; Parent: RMCA: 1 [1]; Quarré: RMCA: 3 [3]; Richard: RMCA: 1 [1]; Seydel: RMCA: 1 [1 - **10**] - 1 March 1926: Schouteden, Henri: RMCA: 2 [2 - **2**] - 1 April 1926: Schouteden, Henri: RMCA: 6 [6 - **6**] - 1 January 1930: : RBINS: 1 [1]; Bredo, H.J.: ZMA: 1 [1]; Lamoral: RMCA: 1 [1 - **3**] - 14 April 1930: De Riemaecker, J.: RMCA: 1 [1 - **1**] - 1 January 1931: Schouteden, Henri: RMCA: 1 [1 - **1**] - 1 January 1933: Kerkvoorde: RMCA: 1 [1 - **1**] - 1 January 1934: Quarré: RMCA: 1 [1 - **1**] - 1 August 1934: Richard: RMCA: 1 [1 - **1**] - 5 August 1952: Smitz, A.: RBINS: 1 [1 - **1**] - 2 September 1954: De Smet: RMCA: 1 [1 - **1**] - 1 December 1954: De Smet: RMCA: 2 [2 - **2**] - 19 December 1955: : SMF: 1 [1 - **1**] - 22 December 1955: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1]; Lips, M.: RMCA: 4 [4 - **5**] - 28 December 1955: Lips, M.: RMCA: 1 [1 - **1**] - 29 December 1955: Lips, M.: RMCA: 2 [2 - **2**] - 12 January 1956: Anciaux de Faveaux, Félix / Michel: BMNH: 1 [1 - **1**] - 14 February 1956: service de l'hygiene publique: RMCA: 1 [1 - **1**] - 10 March 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 1, RMCA: 1 [2 - **2**] - 15 March 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2**] - 6 April 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 22 April 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 10 July 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2**] - 2 November 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 14 November 1956: : SMF: 1 [1 - **1**] - 25 March 1966: ?: Collector Unknown: RBINS: 40 [40 - **40**] - 18 October 1966: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 March 1967: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 25 April 1968: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 June 1969: ?: Collector Unknown: RBINS: 1 [1 - **1** - **95**].
Elizabethville: Collection Date Unknown: Guarre: BMNH: 1 [1 - **1** - **1**].
Embe: 19 April 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 20 April 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **2**].
Epulu: Collection Date Unknown: Bijnens, Luc: RMCA: 8 [8 - **8**] - 2 May 1951: Schwartz, A.; Porter, R.N.: KU: 4 [4 - **4**] - 3 May 1951: Schwartz, A.; Porter, R.N.: KU: 2 [2 - **2**] - 1 September 1956: Poll, Max: RMCA: 5 [5 - **5**] - 21 September 1956: Poll, Max: RMCA: 3 [3 - **3**] - 24 September 1956: Poll, Max: RMCA: 1 [1 - **1**] - 1 October 1956: Poll, Max: RMCA: 2 [2 - **2**] - 4 March 1957: Station de domestication des okapis Epulu: RMCA: 1 [1]; Stephan, Heinz: RMCA: 2 [2 - **3**] - 9 May 1957: Station de domestication des okapis Epulu: RMCA: 2 [2 - **2**] - 17 May 1957: Station de domestication des okapis Epulu: RMCA: 1 [1 - **1**] - 26 May 1958: Station de domestication des okapis Epulu: RMCA: 1 [1 - **1**] - 16 June 1958: Station de domestication des okapis Epulu: RMCA: 1 [1 - **1**] - 21 April 1981: Hart, John A.: FMNH: 2 [2 - **2**] - 20 June 1981: Hart, John A.: FMNH: 1 [1 - **1**] - 27 June 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 6 July 1991: Kerbis Peterhans, Julian C.: FMNH: 10 [10 - **10**] - 25 August 2015: Malekani, André: UNIKIS: 5 [5 - **5**] - 26 August 2015: Malekani, André: UNIKIS: 7 [7 - **7**] - 27 August 2015: Malekani, André: UNIKIS: 4 [4 - **4**] - 29 August 2015: Malekani, André: UNIKIS: 19 [19 - **19**] - 30 August 2015: Malekani, André: UNIKIS: 10 [10 - **10**] - 31 August 2015: Malekani, André: UNIKIS: 8 [8 - **8** - **100**].
Epulu, 13 km E: 26 April 1981: Hart, John A.: FMNH: 1 [1 - **1** - **1**].
Epulu, 2 km W: 27 June 1991: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 28 June 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 29 June 1991: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 2 July 1991: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7**] - 3 July 1991: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 4 July 1991: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 6 July 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 14 July 1991: : FMNH: 1 [1 - **1** - **18**].
Epulu, 6 km S, 2 km W: 6 June 1981: Hart, John A.: FMNH: 1 [1 - **1** - **1**].
Equateur: Collection Date Unknown: ?: Collector Unknown: SMF: 5 [5 - **5**] - 8 April 1996: ?: Collector Unknown: SMF: 1 [1 - **1** - **6**].
Equateur province: 1 January 1921: Verlaine: RMCA: 15 [15 - **15**] - 1 June 1956: Novick, Alvin: MCZ: 1 [1 - **1**] - 22 June 1956: Novick, Alvin: MCZ: 1 [1 - **1** - **17**].
Eringete: 19 September 1949: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Etembo: 31 March 1950: Dyleff, P.: RMCA: 1 [1 - **1** - **1**].
Faradje: Collection Date Unknown: ?: Collector Unknown: UNIKIS: 18 [18 - **18**] - 18 February 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 6 May 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 6 February 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 18 February 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 21 February 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 25 February 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2, RMCA: 1 [3 - **3**] - 1 March 1911: Lang, Herbert; Chapin,

James Paul; American Museum Congo Expedition, The: AMNH: 6 [6 - **6**] - 2 March 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 7 March 1911: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2**] - 14 March 1911: ?: Collector Unknown: MCZ: 2 [2]; Lang, Herbert: FMNH: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 8 [8 - **11**] - 15 March 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 7, RMCA: 1 [8 - **8**] - 25 March 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 29 March 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 30 March 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5, RMCA: 1 [6 - **6**] - 1 April 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 4 April 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 7 April 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 11 April 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 23 April 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 26 April 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 17 May 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 20 May 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4, MCZ: 1 [5 - **5**] - 28 May 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 7 June 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, RMCA: 1 [2 - **2**] - 2 July 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 11 July 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 2 August 1911: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3**] - 8 August 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 5 September 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 25 September 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 26 October 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 5 November 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 6 November 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 11 [11 - **11**] - 15 November 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 20 November 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 22 November 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4, RMCA: 1 [5 - **5**] - 24 November 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 23 December 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 January 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 2 January 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5, RMCA: 1 [6 - **6**] - 18 February 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 23 February 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 25 February 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 1 March 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 5 March 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 6 March 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 7 March 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 6 [6 - **6**] - 9 March 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5, MCZ: 1 [6 - **6**] - 26 March 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 21 May 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 16 September 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 29 September 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 14 October 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 21 October 1912: ?: Collector Unknown: KU: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **3**] - 22 October 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4 [4 - **4**] - 24 October 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 25 October 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 5 November 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 11 November 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 12 November 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 13 November 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 28 November 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 2 December 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 3 December 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 5 December 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 7 December 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 15 December 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 16 December 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2, MCZ: 1 [3 - **3**] - 17 December 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 29 December 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 5 January 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, MCZ: 1 [2 - **2**] - 12 January 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 13 January 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 20 February 1913: Lang, Herbert: FMNH: 2 [2]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 23, MCZ: 1, RMCA: 1 [25 - **27**] - 5 October 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 14 October 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 5 November 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 July 1925: Schouteden, Henri: RMCA: 5 [5 - **5**] - 5 July 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 6 July 1925: Schouteden, Henri: RMCA: 3 [3 - **3**] - 7 July 1925: Schouteden, Henri: RMCA: 3 [3 - **3**] - 11 July 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 1 April 1952: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 6 [6 - **8**] - 12 September 2010: Gembu Tungaluna, Guy-Crispin: RMCA: 1 [1 - **1** - **246**].

Faradje territory: 18 February 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
Farm 'des grands bois': 13 November 1962: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].
Fatakit: 1 January 1948: ?: Collector Unknown: RBINS: 26 [26]; Verschuren, Jacques: RBINS: 2 [2 - **28** - **28**].
Flandria: 26 May 1928: Hulstaert, Gustaaf: RMCA: 1 [1 - **1**] - 27 August 1929: Hulstaert, Gustaaf: RMCA: 1 [1 - **1**] - 1 January 1930: Hulstaert, Gustaaf: RMCA: 1 [1 - **1** - **3**].
Fomulac-Katana: 29 September 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 30 September 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 2 October 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 3 October 1963: Kunkel, P.: SMF: 1 [1 - **1** - **4**].
Forest NE of Luki Biosphere Reserve: 17 September 2005: Lukamba, P.: ZMA: 1 [1 - **1** - **1**].
Fort Beni: Collection Date Unknown: Dent, R.E.: BMNH: 1 [1 - **1** - **1**].
Fuko: Collection Date Unknown: ?: Collector Unknown: INPBC: 4 [4 - **4** - **4**].
Fuko: 7 April 1954: de Witte, Gaston-François: RMCA: 3 [3 - **3** - **3**].
Funda Biabo: 1 January 1914: de Baillet Latour: RMCA: 1 [1 - **1**] - 1 February 1914: Charliers: RMCA: 1 [1 - **1**] - 20 March 1914: Charliers: RMCA: 1 [1 - **1**] - 26 March 1914: Charliers: RMCA: 1 [1 - **1**] - 1 April 1914: Charliers: RMCA: 1 [1 - **1** - **5**].
Fundi: 16 November 1912: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].
Fwa, lake: 25 May 1984: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
Gahama: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3** - **3**].
Gamangui: 27 February 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].
Gandajika: 1 October 1948: ?: Collector Unknown: RBINS: 2 [2]; de Francquen, P.: RBINS: 1 [1 - **3**] - 10 December 1951: ?: Collector Unknown: RBINS: 1 [1 - **1** - **4**].
Ganda-Sundi: 20 April 1931: Chapin, James Paul: AMNH: 2 [2 - **2**] - 31 March 1961: Fain, Alexandre: RMCA: 1 [1 - **1**] - 25 March 1964: Fain, Alexandre: RMCA: 2 [2 - **2**] - 29 March 1964: Fain, Alexandre: RMCA: 1 [1 - **1**] - 31 March 1964: Fain, Alexandre: RMCA: 15 [15 - **15** - **21**].
Gandu: Collection Date Unknown: Thierry, Gaston: ZMB: 1 [1 - **1** - **1**].
Gangala: Collection Date Unknown: Stephan, Heinz: RMCA: 1 [1 - **1**] - 23 March 1957: Stephan, Heinz: RMCA: 1 [1 - **1**] - 24 March 1957: Stephan, Heinz: RMCA: 9 [9 - **9**] - 25 March 1957: Stephan, Heinz: RMCA: 3 [3 - **3**] - 26 March 1957: Stephan, Heinz: RMCA: 2 [2 - **2**] - 27 March 1957: Stephan, Heinz: RMCA: 1 [1 - **1** - **17**].
Gangala na Bodio: Collection Date Unknown: ?: Collector Unknown: INPBC: 1, RBINS: 2 [3 - **3**] - 8 April 1945: ?: Collector Unknown: RBINS: 4 [4 - **4**] - 22 August 1945: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 2 January 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 13 November 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 22 November 1947: : RBINS: 2 [2 - **2**] - 26 November 1947: ?: Collector Unknown: RBINS: 1 [1]; Micha, M.: RBINS: 1 [1 - **2**] - 5 April 1948: Hediger; Verschuren, Jacques: RBINS: 1 [1 - **1**] - 9 April 1948: ?: Collector Unknown: RBINS: 11 [11]; : RBINS: 1 [1]; de Saeger, H.; *et al.*: RBINS: 5 [5]; Hediger; Verschuren, Jacques: RBINS: 1 [1 - **18**] - 10 April 1948: ?: Collector Unknown: RBINS: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - 13 April 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 May 1948: ?: Collector Unknown: RBINS: 4 [4 - **4**] - 5 May 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 6 May 1948: Hediger; Verschuren, Jacques: RBINS: 1 [1 - **1**] - 7 May 1948: Hediger; Verschuren, Jacques: RBINS: 1 [1 - **1**] - 11 May 1948: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 25 May 1948: : RBINS: 1 [1 - **1**] - 31 May 1948: : RBINS: 1 [1 - **1**] - 7 November 1949: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 8 November 1949: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 24 December 1949: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3**] - 4 May 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 1 November 1956: Poll, Max: RMCA: 4 [4 - **4**] - 14 November 1956: Poll, Max: RMCA: 1 [1 - **1**] - 1 December 1956: Poll, Max: RMCA: 4 [4 - **4**] - 6 December 1956: Poll, Max: RMCA: 1 [1 - **1** - **64**].
Ganza: 28 June 1949: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].
Garamba National Park: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1]; de Saeger, H.: RMCA: 2 [2 - **3**] - 14 March 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 15 March 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 June 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 January 1948: ?: Collector Unknown: RBINS: 4 [4 - **4**] - 1 January 1949: de Saeger, H.: RMCA: 1 [1 - **1**] - 1 January 1950: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 4 [4 - **6**] - 27 December 1950: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 18 January 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 16 February 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 30 March 1951: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 12 May 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 21 July 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 7 February 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 18 March 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **27**].
Gemena: 13 February 1939: Leontovitch: RMCA: 1 [1 - **1**] - 26 June 1959: Jacobs: RMCA: 1 [1 - **1** - **2**].
Geology House: 18 October 1999: Swanepoel, Robert (Bob): TM: 1 [1 - **1** - **1**].
Geramihasha: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 22 March 1954: de Witte, Gaston-François: RMCA: 3 [3 - **3**] - 3 May 1954: de Witte, Gaston-François: RMCA: 4 [4 - **4**] - 28 June 1954: de Witte, Gaston-François: RMCA: 4 [4 - **4** - **12**].
Goma: 26 November 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 9 December 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 24 December 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 10 March 1953: KEA-Mission, The: RBINS: 1 [1 - **1**] - 5 December 1953: KEA-Mission, The: RBINS: 1 [1 - **1**] - 1 December 1987: Schoorl, J.: ZMA: 1 [1 - **1** - **6**].
Goroumbwa Mine: 14 May 1999: Swanepoel, Robert (Bob): TM: 4 [4 - **4**] - 17 May 1999: Swanepoel, Robert (Bob): TM: 46 [46 - **46**] - 18 May 1999: Swanepoel, Robert (Bob): TM: 22 [22 - **22**] - 19 May 1999: Swanepoel, Robert (Bob): TM: 52 [52 - **52**] - 19 October 1999: Swanepoel, Robert (Bob): TM: 14 [14 - **14**] - 20 October 1999: Swanepoel, Robert (Bob): TM: 35 [35 - **35**] - 21 October 1999: Swanepoel, Robert (Bob): TM: 37 [37 - **37**] - 22 October 1999: Swanepoel, Robert (Bob): TM: 69 [69 - **69**] - 23 October 1999: Swanepoel, Robert (Bob): TM: 44 [44 - **44**] - 24 October 1999: Swanepoel, Robert (Bob): TM: 53 [53 - **53**] - 25 October 1999: Swanepoel, Robert (Bob): TM: 50 [50 - **50**] - 27 October 1999: Swanepoel, Robert (Bob): TM: 78 [78 - **78** - **504**].
Grand ebouli de Lemera: 10 September 1957: Leleup, Narcisse: RMCA: 1 [1 - **1** - **1**].
Grotte de Baya: 12 March 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 11 [11 - **11**] - 18 March 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 2 [2 - **2**] - 14 May 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 3 [3]; Lips, M.: RMCA: 3 [3 - **6**] - 22 May 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1**] - 12 July 1956: Lips, M.: RMCA: 3 [3 - **3**] - 13 July 1956: Lips, M.: RMCA: 1 [1 - **1** - **24**].
Grottes Kiwakishi: 18 October 1974: Gallagher, Michael D.: HZM: 2 [2 - **2** - **2**].
Gumba: 10 October 1937: Deheyn, Jean Jacques: RMCA: 2 [2 - **2** - **2**].
Haute Congo: 4 June 1992: Rotterdamse Diergaarde, The: RMNH: 1 [1 - **1** - **1**].

How…: Collection Date Unknown: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Hoyo, Mount: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 10 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 11 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 12 August 1947: Hiernaux, Jean: RMCA: 1 [1 - **1**] - 14 August 1947: ?: Collector Unknown: RBINS: 3 [3 - **3**] - 16 August 1947: ?: Collector Unknown: RBINS: 4 [4 - **4**] - 17 April 1949: Hiernaux, Jean: RMCA: 2 [2 - **2**] - 5 October 1957: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **14**].

Ibambi: Collection Date Unknown: Degotte: RMCA: 1 [1]; Reitter: RMCA: 8 [8 - **9**] - 10 November 1938: Degotte: RMCA: 1 [1 - **1**] - 11 November 1938: Degotte: RMCA: 1 [1 - **1** - **11**].

Ibebero: 14 July 1964: Svepel: ZMZ: 1 [1 - **1** - **1**].

Ibembo: Collection Date Unknown: Hutsebaut, Jozef: RMCA: 7 [7]; Lebrun, Jean: RMCA: 1 [1]; Rodhain, J.: RMCA: 2 [2 - **10**] - 13 August 1919: Lebrun, Jean: RMCA: 1 [1 - **1**] - 30 August 1919: Lebrun, Jean: RMCA: 2 [2 - **2**] - 16 September 1919: Lebrun, Jean: RMCA: 1 [1 - **1**] - 22 September 1919: Lebrun, Jean: RMCA: 1 [1 - **1**] - 1 September 1949: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 10 September 1949: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 20 September 1949: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 1 November 1949: Hutsebaut, Jozef: BMNH: 2, RMCA: 1 [3 - **3**] - 10 February 1950: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 13 February 1950: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 20 February 1950: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - 21 February 1950: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 1 July 1950: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 20 July 1950: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 17 September 1950: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 1 December 1950: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 25 January 1951: Hutsebaut, Jozef: RMCA: 2 [2 - **2**] - 6 June 1951: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 1 November 1951: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 20 December 1951: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 21 December 1951: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 1 October 1952: Hutsebaut, Jozef: RMCA: 1 [1 - **1**] - 1 December 1952: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **38**].

Idjwi, Island: 4 March 1939: Loveridge, Arthur: MCZ: 4 [4 - **4**] - 14 January 1960: Rahm, Uwe: RMCA: 2 [2 - **2**] - 19 July 1965: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 25 July 1969: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 23 August 1969: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 26 August 1969: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 16 September 1969: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **12**].

Ihunga-Semliki confluence: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3** - **3**].

Ikela: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Lootens, P.: RMCA: 15 [15 - **16**] - 1 January 1931: Lootens, P.: RMCA: 2 [2 - **2**] - 1 January 1946: Dupuis, L.: RMCA: 2 [2 - **2**] - 3 June 1955: Lootens, P.: RMCA: 1 [1 - **1** - **21**].

Ikengo: 15 February 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 16 February 1921: Schouteden, Henri: RMCA: 1 [1 - **1** - **2**].

Île Mafi: 20 February 2012: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - 29 March 2012: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 3 [3 - **3**] - 31 March 2012: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - 15 April 2012: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - 8 January 2016: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1** - **7**].

île Mbiye: 15 January 2012: Musaba Akawa, Prescott: RMCA: 4 [4]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **5**] - 16 January 2012: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 2 [2 - **2**] - 11 February 2012: Gembu Tungaluna, Guy-Crispin: RMCA: 1 [1 - **1**] - 18 February 2012: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - 19 February 2012: Musaba Akawa, Prescott: RMCA: 1 [1]; Musaba Akawa, Prescott; *et al.*: RMCA: 1 [1]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 1 [1]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **4**] - 20 February 2012: Musaba Akawa, Prescott: RMCA: 2 [2 - **2**] - 24 February 2012: Musaba Akawa, Prescott: RMCA: 3 [3]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 1 [1]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **5**] - 25 February 2012: Musaba Akawa, Prescott: RMCA: 6 [6]; Musaba Akawa, Prescott; *et al.*: RMCA: 1 [1]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 2 [2]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 2 [2 - **11**] - 30 March 2012: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 3 [3 - **3**] - 31 March 2012: Musaba Akawa, Prescott: RMCA: 1 [1]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 11 [11 - **12**] - 13 April 2012: Musaba Akawa, Prescott: RMCA: 1 [1 - **1**] - 14 April 2012: Musaba Akawa, Prescott: RMCA: 1 [1 - **1**] - 15 April 2012: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - 31 May 2012: Musaba Akawa, Prescott: RMCA: 2 [2 - **2**] - 26 July 2012: Musaba Akawa, Prescott: RMCA: 1 [1 - **1**] - 19 April 2014: Musaba Akawa, Prescott: UNIKIS: 1 [1]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 2 [2 - **3**] - 20 April 2014: Musaba Akawa, Prescott: UNIKIS: 2 [2 - **2**] - 21 April 2014: Musaba Akawa, Prescott: UNIKIS: 1 [1]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 2 [2 - **3**] - 22 June 2014: Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 1 [1 - **1**] - 23 June 2014: Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 4 [4 - **4**] - 7 August 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1**] - 8 August 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 6 [6 - **6**] - 9 August 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 3 [3 - **3**] - 24 December 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1**] - 25 December 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 4 [4 - **4**] - 26 December 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1**] - 28 December 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 2 [2 - **2**] - 8 January 2016: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 3 [3 - **3** - **86**].

Ilimba: Collection Date Unknown: ?: Collector Unknown: INPBC: 10 [10 - **10**] - 3 July 1954: de Witte, Gaston-François: RMCA: 8 [8 - **8** - **18**].

Imbonga: 1 January 1987: Lootens, P.: RMCA: 2 [2 - **2** - **2**].

Inangongo: Collection Date Unknown: Verschuren, Jacques: INPBC: 1 [1 - **1** - **1**].

Inimvua: 15 May 1952: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 5 [5 - **7** - **7**].

Inkongo: Collection Date Unknown: : BMNH: 1 [1]; Wilson, H.: BMNH: 1 [1 - **2**] - 27 January 1923: Wilson, H.: RMCA: 2 [2 - **2**] - 2 February 1923: Wilson, H.: RMCA: 1 [1 - **1**] - 10 November 1932: Wilson, H.: RMCA: 1 [1 - **1** - **6**].

Inongo: 1 October 1945: Gustin, Gustave: RMCA: 1 [1 - **1** - **1**].

Irangi: Collection Date Unknown: : SMF: 1 [1]; Fain, Alexandre: BMNH: 1 [1]; Rahm, Uwe: BMNH: 1 [1]; Stephan, Heinz: SMF: 1 [1 - **4**] - 3 October 1955: Laarman, J.J.: RMNH: 2 [2 - **2**] - 14 November 1955: Laarman, J.J.: RMNH: 1 [1 - **1**] - 15 August 1956: Laarman, J.J.: RMNH: 1 [1 - **1**] - 27 December 1956: Stephan, Heinz: RMCA: 2 [2 - **2**] - 30 December 1956: Stephan, Heinz: RMCA: 1 [1 - **1**] - 3 January 1957: Laarman, J.J.: RMNH: 1 [1]; Stephan, Heinz: RMCA: 2 [2 - **3**]

- 4 January 1957: Stephan, Heinz: RMCA: 1 [1 - **1**] - 8 January 1957: Stephan, Heinz: RMCA: 1 [1 - **1**] - 31 January 1957: Laarman, J.J.: RMNH: 1 [1 - **1**] - 24 December 1958: Leleup, Narcisse: RMCA: 1 [1 - **1**] - 21 August 1959: Rahm, Uwe: RMCA: 1 [1 - **1**] - 24 August 1959: Rahm, Uwe: RMCA: 4 [4 - **4**] - 16 September 1959: Rahm, Uwe: BMNH: 1 [1 - **1**] - 23 June 1961: Rahm, Uwe: BMNH: 1 [1 - **1**] - 11 July 1961: Rahm, Uwe: BMNH: 1 [1 - **1**] - 16 March 1964: Kunkel, P.: SMF: 1 [1 - **1**] - 17 August 1964: Kunkel, P.: SMF: 1 [1 - **1**] - 11 January 1984: Stephan, Heinz: SMF: 5 [5 - **5**] - 17 January 1984: Stephan, Heinz: SMF: 3 [3 - **3**] - 18 January 1984: Stephan, Heinz: SMF: 2 [2 - **2**] - 20 January 1984: Stephan, Heinz: SMF: 2 [2 - **2**] - 21 January 1984: Stephan, Heinz: SMF: 2 [2 - **2**] - 22 January 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 24 January 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 25 January 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 26 January 1984: Stephan, Heinz: SMF: 2 [2 - **2**] - 28 January 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 29 January 1984: Stephan, Heinz: SMF: 9 [9 - **9**] - 31 January 1984: Stephan, Heinz: SMF: 2 [2 - **2**] - 1 February 1984: Stephan, Heinz: SMF: 2 [2 - **2**] - 2 February 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 5 February 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 6 February 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 8 February 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 11 February 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 13 February 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 15 February 1984: Stephan, Heinz: SMF: 2 [2 - **2**] - 17 February 1984: Stephan, Heinz: SMF: 6 [6 - **6**] - 18 February 1984: Stephan, Heinz: SMF: 2 [2 - **2**] - 11 March 1990: Heller, Klaus-Gerhard; Volleth, Marianne: SMF: 2 [2 - **2**] - 13 March 1990: Heller, Klaus-Gerhard; Volleth, Marianne: SMF: 3 [3 - **3**] - 20 March 1990: Heller, Klaus-Gerhard; Volleth, Marianne: SMF: 1 [1 - **1**] - 16 October 1990: Bergmans, Wim: ZMA: 2 [2 - **2**] - 17 October 1990: Bergmans, Wim: ZMA: 4 [4 - **4**] - 18 October 1990: Bergmans, Wim: ZMA: 1 [1 - **1**] - 19 October 1990: Bergmans, Wim: ZMA: 1 [1 - **1** - **91**].

Irangi Forest: 1 November 1955: Fain, Alexandre: RMCA: 1 [1 - **1**] - 1 January 1957: Leleup, Narcisse: RMCA: 3 [3 - **3** - **4**].

Irangi, 3 mi of: 16 October 1990: Bergmans, Wim: ZMA: 2 [2 - **2** - **2**].

Irangi, slightly E of: 15 October 1990: Bergmans, Wim: ZMA: 6 [6 - **6** - **6**].

Irebu: Collection Date Unknown: Camp, J.: USNM: 2 [2 - **2** - **2**].

Iringi: Collection Date Unknown: Lindeman, A. or G.: RMCA: 2 [2 - **2** - **2**].

Irsac labo: Collection Date Unknown: Andersen, Th.: ZFMK: 1 [1]; Bredo, H.J.: ZFMK: 2 [2 - **3**] - 14 December 1955: Laarman, J.J.: RMNH: 1 [1 - **1** - **4**].

Irumu: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 30 November 1924: Heller, Edmund: FMNH: 1 [1 - **1**] - 10 December 1924: Heller, Edmund: FMNH: 1 [1 - **1**] - 1 January 1926: Leopold prince of Belgium: RMCA: 1 [1 - **1**] - 14 September 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 28 September 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 2 [2 - **2**] - 1 November 1951: Fain, Alexandre: BMNH: 1, RMCA: 1 [2 - **2** - **9**].

Irumu, 25 km W: Collection Date Unknown: Pierrard: RMCA: 1 [1 - **1** - **1**].

Irumu, 40 mi [=64 km] SW: Collection Date Unknown: de Walden, Howard: BMNH: 7 [7 - **7** - **7**].

Isai River: Collection Date Unknown: Gallagher, Michael D.: HZM: 1 [1 - **1**] - 18 November 1974: Gallagher, Michael D.: HZM: 1 [1 - **1**] - 16 December 1974: Gallagher, Michael D.: HZM: 6 [6 - **6**] - 18 December 1974: Gallagher, Michael D.: HZM: 1 [1 - **1**] - 19 December 1974: Gallagher, Michael D.: HZM: 6 [6 - **6** - **15**].

Isato: Collection Date Unknown: Henrion, A.: RBINS: 1 [1 - **1**] - 23 December 1947: ?: Collector Unknown: RBINS: 2 [2 - **2** - **3**].

Ishango river: Collection Date Unknown: ?: Collector Unknown: INPBC: 148 [148]; Verschuren, Jacques: INPBC: 1 [1 - **149**] - 13 March 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 17 March 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 11 December 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 26 December 1968: Lejeune, M.: RMCA: 70 [70 - **70**] - 1 January 1982: Colyn, Marc: RMCA: 4 [4 - **4** - **226**].

Ishango-Nyakazi: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Isiro: 3 July 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Iso: 4 March 1952: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 8 [8 - **10** - **10**].

Iso.4: 4 March 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Isoga: 17 January 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Issehe river: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Ituri Forest: Collection Date Unknown: : BMNH: 1 [1]; de Walden, Howard: BMNH: 1 [1]; Dent, R.E.; Woosnam, R.B.: BMNH: 1 [1 - **3**] - 24 April 1930: de Walden, Howard: BMNH: 5 [5 - **5**] - 1 January 1947: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 19 July 1956: Novick, Alvin: MCZ: 9 [9 - **9** - **19**].

Ituri ht: Collection Date Unknown: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Ituri River: Collection Date Unknown: : BMNH: 3 [3]; de Walden, Howard: BMNH: 1 [1 - **4** - **4**].

Ituri River, Bridge: 8 December 1974: Gallagher, Michael D.: HZM: 3 [3 - **3** - **3**].

Ituri, south: 1 January 1947: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Iyonda: 2 May 1952: Michielsen: RMCA: 1 [1 - **1** - **1**].

Jadotville: 1 March 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 3 April 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 9 [9 - **9**] - 7 April 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 8 July 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 3 [3 - **3**] - 23 September 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1**] - 1 December 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 4 [4 - **4**] - 10 December 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 7 [7 - **7**] - 2 June 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 3 June 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 7 [7 - **7**] - 8 June 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2**] - 22 June 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 31 August 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 15 October 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 13 February 1959: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 26 March 1959: Anciaux de Faveaux, Félix / Michel: RMCA: 6 [6 - **6**] - 25 May 1959: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 6 December 1959: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2**] - 16 December 1959: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 18 December 1959: ?: Collector Unknown: RBINS: 1 [1]; Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **2**] - 4 April 1960: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 28 June 1960: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 5 April 1961: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 26 July 1962: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 15 November 1962: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 23 February 1966: ?: Collector Unknown: RBINS: 10 [10 - **10** - **71**].

Jadoville: 10 December 1957: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2** - **2**].

Jaima: 26 August 1906: Alexander-Gosling Expedition, The: BMNH: 1 [1 - **1** - **1**].

Jiba: 1 August 1952: Fain, Alexandre: RMCA: 3 [3 - **3** - **3**].

Jiba Risasi: Collection Date Unknown: Fain, Alexandre: BMNH: 1 [1 - **1** - **1**].

Jiba Trisasi: 1 August 1952: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Jomba: 4 September 1976: Meier, Florian: MHNG: 29 [29 - **29**] - 5 September 1976: Meier, Florian: MHNG: 3 [3 - **3**] - 6 September 1976: Meier, Florian: MHNG: 2 [2 - **2** - **34**].

Kabakuli river: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].
Kabale: 10 May 1927: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 11 May 1927: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **2**].
Kabalo: Collection Date Unknown: Schouteden, Henri: RMCA: 13 [13 - **13**] - 1 March 1926: Schouteden, Henri: RMCA: 1 [1 - **1**] - 17 November 1926: Zimmer, John Todd: FMNH: 1 [1 - **1** - **15**].
Kabambaie: 16 October 1921: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].
Kabambi: Collection Date Unknown: ?: Collector Unknown: INPBC: 4 [4 - **4**] - 14 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 17 August 1947: Hiernaux, Jean: RBINS: 1 [1 - **1**] - 13 July 1955: de Witte, Gaston-François: RMCA: 3 [3 - **3**] - 27 July 1955: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **11**].
Kabanga: 12 January 1952: Spaute, L.: RBINS: 1 [1 - **1** - **1**].
Kabare: 10 August 1939: Schwetz: RMCA: 1 [1 - **1** - **1**].
Kabatibi Cave: Collection Date Unknown: Cambridge East Africa Expedition 1959, The: BMNH: 4 [4 - **4** - **4**].
Kabemba: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].
Kabenge: 3 April 1949: ?: Collector Unknown: RBINS: 3 [3]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **4** - **4**].
Kabengere: 13 December 1926: Zimmer, John Todd: FMNH: 1 [1 - **1**] - 22 December 1926: Zimmer, John Todd: FMNH: 12 [12 - **12**] - 24 December 1926: Zimmer, John Todd: FMNH: 9 [9 - **9**] - 27 December 1926: Zimmer, John Todd: FMNH: 3 [3 - **3**] - 28 December 1926: Zimmer, John Todd: FMNH: 3 [3 - **3** - **28**].
Kabinda: 1 January 1945: Hautmann: RMCA: 2 [2 - **2** - **2**].
Kabira: 12 March 1959: Rahm, Uwe: RMCA: 1 [1 - **1**] - 15 March 1959: Rahm, Uwe: RMCA: 1 [1 - **1**] - 19 March 1959: Rahm, Uwe: RMCA: 1 [1 - **1** - **3**].
Kabobo Forest: 14 February 2007: Marks, B.D.: FMNH: 2 [2 - **2**] - 16 February 2007: Huhndorf, Michael H.: FMNH: 1 [1]; Kaleme, Prince Kiswele: FMNH: 1 [1]; Marks, B.D.: FMNH: 1 [1 - **3**] - 17 February 2007: Kahindo, C.: FMNH: 1 [1 - **1** - **6**].
Kabobo, mount: 18 February 1957: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kabongo: Collection Date Unknown: Dierckx, M.: RMCA: 3 [3]; Royal Museum of Central Africa (RMCA), The: BMNH: 1 [1 - **4**] - 1 January 1952: Dierckx, M.: RMCA: 2 [2 - **2** - **6**].
Kaboyaboya cave: Collection Date Unknown: ?: Collector Unknown: MHNG: 1 [1 - **1**] - 24 April 1962: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1**] - 18 July 1962: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3**] - 23 July 1962: ?: Collector Unknown: RBINS: 4 [4]; Anciaux de Faveaux, Félix / Michel: MHNG: 7, SMF: 3 [10 - **14** - **19**].
Kabwe: 9 February 1964: De Roo, Antoon Emeric Marcel: AMNH: 10 [10 - **10**] - 9 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 30 April 1965: De Roo, Antoon Emeric Marcel: RMCA: 8 [8 - **8**] - 12 November 1973: Heidenreich, Chris E.: WNMU: 1 [1]; Western New Mexico University: FMNH: 3 [3 - **4** - **25**].
Kadehe: Collection Date Unknown: ?: Collector Unknown: INPBC: 19 [19 - **19**] - 18 September 1953: de Witte, Gaston-François: RMCA: 3 [3 - **3** - **22**].
Kadia: 1 March 1926: Schouteden, Henri: RMCA: 1 [1 - **1**] - 1 July 1931: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].
Kadjidji: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Babault, Guy: MNHN: 15 [15 - **16** - **16**].
Kadjudju: Collection Date Unknown: Babault, Guy: RMCA: 9 [9 - **9**] - 16 April 1905: ?: Collector Unknown: MNHN: 1 [1 - **1** - **10**].
Kafwe: 14 July 1947: ?: Collector Unknown: RBINS: 18 [18]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **19**] - 5 July 1948: ?: Collector Unknown: RBINS: 1 [1 - **1** - **20**].
Kagada: 20 July 1952: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kahama: Collection Date Unknown: ?: Collector Unknown: INPBC: 15 [15 - **15**] - 9 June 1955: de Witte, Gaston-François: RMCA: 6 [6 - **6** - **21**].
Kahitumba: 16 January 1956: Laarman, J.J.: RMNH: 9 [9 - **9** - **9**].
Kahuzi: 16 October 1965: Kunkel, P.: SMF: 1 [1 - **1**] - 20 April 1966: Kunkel, P.: SMF: 1 [1 - **1**] - 21 April 1966: Kunkel, P.: SMF: 1 [1 - **1** - **3**].
Kahuzi, W slope of mount: 22 July 2007: Kizungu, R.: FMNH: 1 [1 - **1** - **1**].
Kailo: 6 March 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kakanda cave: Collection Date Unknown: de Caters, Th.: BMNH: 1 [1]; Royal Museum of Central Africa (RMCA), The: BMNH: 1 [1 - **2**] - 21 April 1954: de Caters, Th.: RMCA: 43 [43 - **43**] - 21 April 1955: de Caters, Th.: RMCA: 6 [6 - **6**] - 22 April 1959: Anciaux de Faveaux, Félix / Michel: RMCA: 35 [35 - **35**] - 21 September 1960: ?: Collector Unknown: RBINS: 6 [6]; Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **8**] - 22 September 1960: ?: Collector Unknown: RBINS: 1 [1]; Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **3**] - 29 September 1960: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 31 May 1962: ?: Collector Unknown: RBINS: 13 [13]; Anciaux de Faveaux, Félix / Michel: MHNG: 8 [8 - **21**] - 21 July 1962: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 9 August 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 12 August 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 13 August 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 21 August 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 29 August 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 22 March 1966: Prigogine, Alexandre: RMCA: 3 [3 - **3**] - 11 September 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **130**].
Kakanda Mutaka: 14 July 1953: petit Seminaire de St. Francois de Sales: RMCA: 2 [2 - **2**] - 6 February 1954: de Caters, Th.: RMCA: 2 [2 - **2** - **4**].
Kakindo Cave: 27 July 1962: Elbl, A.: USNM: 1 [1 - **1**] - 28 July 1962: Elbl, A.: USNM: 1 [1 - **1** - **2**].
Kakoi: 5 August 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1** - **1**].
Kakonda: 8 October 1942: Hendricks, F.L.: AMNH: 4 [4 - **4** - **4**].
Kakonde: 20 October 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 7, SMF: 2 [9 - **9** - **9**].
Kakondo: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1**] - 1 December 1946: ?: Collector Unknown: RBINS: 1 [1]; Hendricks, F.L.: RBINS: 3, RMCA: 1 [4 - **5**] - 24 December 1946: Hendricks, F.L.: RMCA: 2 [2 - **2**] - 14 January 1959: Rahm, Uwe: RMCA: 4 [4 - **4**] - 13 August 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 10 September 1963: Kunkel, P.: SMF: 2 [2 - **2** - **15**].
Kakondo cave: 1 December 1946: Hendricks, F.L.: RMCA: 2 [2 - **2** - **2**].
Kakontwa: 17 January 1961: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **1**].
Kakontwe: Collection Date Unknown: Royal Museum of Central Africa (RMCA), The: BMNH: 5 [5 - **5**] - 15 August 1948: Leleup, Narcisse: RMCA: 16 [16 - **16**] - 30 June 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 1, RMCA: 2 [3 - **3**] - 17 January 1961: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 23 February 1966: Misonne, Xavier: RMCA: 50 [50 - **50** - **75**].
Kakontwe Camp: 7 June 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Kakontwe cave: Collection Date Unknown: Poelman, L.: RMCA: 12 [12]; Royal Museum of Central Africa (RMCA), The: BMNH: 3 [3 - **15**] - 5 July 1948: Leleup, Narcisse: RMCA: 2 [2 - **2**] - 1 September 1948: Leleup, Narcisse: RMCA: 2 [2 - **2**] - 19 September 1948: Leleup, Narcisse: RMCA: 1 [1 - **1**] - 3 February 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 24 June 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 26 June 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 1, RMCA: 5 [6 - **6**] - 3 July 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 4 July 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2**] - 9 July 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 6 February 1957: Verhoustraete, G.: RMCA: 1 [1 - **1**] - 8 February 1957: Verhoustraete, G.: RMCA: 1 [1 - **1**] - 13 February 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 7 [7 - **7**] - 28 April 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 7 [7 - **7**] - 8 July 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 5, RMCA: 10 [15 - **15**] - 12 July 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 7, RMCA: 32 [39 - **39**] - 22 September 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1**] - 15 January 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 6 February 1958: Leech, Robin E.; Ross, Edward S.: CAS: 7 [7 - **7**] - 6 November 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2**] - 1 December 1958: Laurent: RMCA: 1 [1 - **1** - **114**].

Kakontwé caves: Collection Date Unknown: Anciaux de Faveaux, Félix / Michel: MNHN: 1 [1 - **1** - **1**].

Kakungu: 23 November 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Kakyelo: 13 November 1930: de Witte, Gaston-François; de Crawhez: RMCA: 9 [9 - **9** - **9**].

Kalanda: 1 August 1934: Bennett, B.L.: MCZ: 1 [1 - **1**] - 7 August 1934: Bennett, B.L.: MCZ: 1 [1 - **1**] - 8 August 1934: Bennett, B.L.: MCZ: 1 [1 - **1** - **3**].

Kalehe territory: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Kalenda: 1 August 1952: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Kalenda [Kasai]: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 8 September 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 11 July 1953: Bouillon, A.: RBINS: 1 [1 - **1** - **3**].

Kalikimvua: 11 June 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

Kalimabenge river: 12 July 1958: Marlier, Georges: RMCA: 1 [1 - **1** - **1**].

Kalina: Collection Date Unknown: Dartevelle: RMCA: 1 [1]; Deheyn, Jean Jacques: RMCA: 2 [2]; Theunissen: RMCA: 6 [6 - **9** - **9**].

Kaloba, 5 km from: 3 October 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 14 [14 - **14** - **14**].

Kalomoni cave: 11 June 1960: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - 3 January 1964: Anciaux de Faveaux, Félix / Michel: RMCA: 4 [4 - **4**] - 31 January 1964: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 8 May 1965: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **7**].

Kalonge: Collection Date Unknown: de Witte, Gaston-François: RBINS: 2 [2 - **2**] - 21 January 1925: Heller, Edmund: FMNH: 1 [1 - **1**] - 22 December 1926: Chapin, James Paul: AMNH: 1 [1 - **1**] - 23 January 1953: de Witte, Gaston-François: RBINS: 1 [1 - **1**] - 28 January 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 22 February 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **7**].

Kalulako: Collection Date Unknown: Anciaux de Faveaux, Félix / Michel: MNHN: 1 [1 - **1**] - 5 January 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1]; D'Haenens: RMCA: 1 [1 - **2**] - 4 November 1956: D'Haenens: RMCA: 6 [6 - **6** - **9**].

Kalumbu cave: 1 December 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 19 [19 - **19**] - 1 July 1959: Anciaux de Faveaux, Félix / Michel: RMCA: 3 [3 - **3** - **22**].

Kalutenge: 19 May 1919: Seydel: RMCA: 1 [1 - **1** - **1**].

Kamande: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1]; Verschuren, Jacques: INPBC: 1 [1 - **2**] - 19 December 1934: ?: Collector Unknown: RBINS: 1 [1 - **1** - **3**].

Kamatanda: 16 June 1961: ?: Collector Unknown: RBINS: 2 [2]; Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **4** - **4**].

Kambemba: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Kambove: 6 February 1907: Neave, S.A.: BMNH: 1 [1 - **1** - **1**].

Kambukabakali: Collection Date Unknown: ?: Collector Unknown: INPBC: 19 [19 - **19**] - 23 October 1954: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 27 October 1954: de Witte, Gaston-François: RMCA: 3 [3 - **3**] - 29 October 1954: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 4 November 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 5 November 1954: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **29**].

Kamikoni: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 17 May 1960: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Kamituga: 24 July 1950: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 2 December 1950: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 21 December 1950: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 4 July 1954: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 2 August 1954: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 1 December 1956: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 11 July 1958: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 24 February 1960: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 25 May 1960: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 1 November 1961: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 9 November 1962: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 26 November 1962: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 26 July 1963: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 15 November 1963: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 11 December 1963: Prigogine, Alexandre: RMCA: 4 [4 - **4**] - 6 January 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 31 January 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 1 February 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 17 February 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 20 February 1964: Prigogine, Alexandre: RMCA: 5 [5 - **5**] - 21 February 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 20 March 1964: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 10 June 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 16 July 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 11 December 1964: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 17 March 1965: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 31 December 1965: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 11 March 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 13 July 1966: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 23 August 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 21 March 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 25 March 1967: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 26 March 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 27 March 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 30 March 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 31 March 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 11 November 1968: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 6 April 1973: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 26 April 1973: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 11 July 1974: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **51**].

Kamituga and Kampene, road between: 29 October 1951: Percy, P.C.: BMNH: 1 [1 - **1** - **1**].

Kamohorora: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3** - **3**].

Kamp U.M.H.K.: 25 August 1954: De Smet: RMCA: 1 [1 - **1**] - 27 August 1954: De Smet: RMCA: 2 [2 - **2**] - 28 August 1954: De Smet: RMCA: 1 [1 - **1**] - 2 September 1954: De Smet: RMCA: 1 [1 - **1** - **5**].

Kampala: 1 January 1935: Babault, Guy: MCZ: 1 [1 - **1**] - 1 March 1935: Grandidier Collection, The: MCZ: 2 [2 - **2** - **3**].

Kamponde: 1 April 1965: De Roo, Antoon Emeric Marcel: RMCA: 15 [15 - **15** - **15**].
Kamueshi: 2 April 1979: Betu Nsankulu: RMCA: 1 [1 - **1**] - 3 April 1979: Betu Nsankulu: RMCA: 3 [3 - **3**] - 5 April 1979: Betu Nsankulu: RMCA: 1 [1 - **1** - **5**].
Kamusimbi: 11 February 1973: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kananga: 31 March 1924: Callewaert, P.: NMBA: 2 [2 - **2**] - 8 September 1963: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - 21 September 1963: De Roo, Antoon Emeric Marcel: AMNH: 2 [2 - **2**] - 17 February 1964: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - 13 March 1964: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - 30 November 1973: Western New Mexico University: FMNH: 1 [1 - **1**] - 4 January 1974: Western New Mexico University: FMNH: 1 [1 - **1** - **9**].
Kando, cave: Collection Date Unknown: ?: Collector Unknown: MHNG: 1 [1 - **1** - **1**].
Kandu cave: 25 July 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 6, RMCA: 28 [34 - **34** - **34**].
Kaniama: Collection Date Unknown: Vachaudez: RMCA: 1 [1 - **1** - **1**].
Kaniki Kapangu: 12 March 1966: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 13 March 1966: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 24 March 1966: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 21 December 1966: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 24 December 1966: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **7**].
Kantundwe: Collection Date Unknown: ?: Collector Unknown: INPBC: 31 [31 - **31**] - 18 September 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 19 March 1954: de Witte, Gaston-François: RMCA: 7 [7 - **7**] - 30 March 1954: de Witte, Gaston-François: RMCA: 3 [3 - **3**] - 10 June 1954: de Witte, Gaston-François: RMCA: 7 [7 - **7**] - 5 July 1954: de Witte, Gaston-François: RMCA: 7 [7 - **7**] - 17 September 1954: de Witte, Gaston-François: RMCA: 3 [3 - **3**] - 3 November 1954: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 17 May 1957: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **62**].
Kanyatsi: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 16 September 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].
Kanyawamukunzi river: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3** - **3**].
Kanzarue river: Collection Date Unknown: ?: Collector Unknown: INPBC: 9 [9 - **9**] - 7 September 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **10**].
Kanzenze mission: Collection Date Unknown: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 1 May 1939: ?: Collector Unknown: RBINS: 1 [1]; Lefébure, R.P.: RBINS: 1 [1 - **2**] - 14 July 1947: Lefébure, R.P.: RBINS: 1 [1 - **1**] - 1 June 1948: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 1 October 1948: ?: Collector Unknown: RBINS: 3 [3 - **3**] - 28 November 1948: Leleup, Narcisse: BMNH: 1, RMCA: 2 [3 - **3**] - 1 December 1948: Leleup, Narcisse: RMCA: 1 [1 - **1** - **14**].
Kapanga: Collection Date Unknown: Allaer, J.: RMCA: 1 [1 - **1** - **1**].
Kapasa: 1 July 1967: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Kapaso: 7 October 1955: Lips, M.: RMCA: 1 [1 - **1** - **1**].
Kapolowe: Collection Date Unknown: De Smet: RMCA: 2 [2 - **2**] - 1 July 1954: De Smet: RMCA: 2 [2 - **2**] - 16 April 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 3 August 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **6**].
Kapolowe mission: 16 February 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2**] - 16 April 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **3**].
Kaponda: 14 October 1955: Lips, M.: RMCA: 1 [1 - **1** - **1**].
Kapushia: 3 December 1973: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].
Karambi: 27 September 1953: Laarman, J.J.: RMNH: 1 [1 - **1**] - 3 April 1992: ?: Collector Unknown: ZMA: 1 [1]; Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **3**] - 4 April 1992: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1**] - 6 April 1992: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **7**].
Karavia [mine]: 3 September 1955: Lips, M.: RMCA: 1 [1 - **1**] - 30 September 1955: Lips, M.: RMCA: 1 [1 - **1**] - 7 November 1955: Lips, M.: RMCA: 8 [8 - **8** - **10**].
Karawa: Collection Date Unknown: Wallin, R.P.: RMCA: 2 [2 - **2** - **2**].
Karibumba: 30 January 1949: Prigogine, Alexandre: RMCA: 4 [4 - **4** - **4**].
Kasai: Collection Date Unknown: Betu Nsankulu: RMCA: 3 [3]; Compagnie du Kassai, La: RMCA: 9 [9 - **12**] - 13 December 1981: Betu Nsankulu: RMCA: 2 [2 - **2**] - 24 December 1981: Betu Nsankulu: RMCA: 1 [1 - **1**] - 17 January 1982: Betu Nsankulu: RMCA: 3 [3 - **3**] - 22 January 1982: Betu Nsankulu: RMCA: 1 [1 - **1**] - 10 February 1982: Betu Nsankulu: RMCA: 3 [3 - **3**] - 17 February 1982: Betu Nsankulu: RMCA: 2 [2 - **2**] - 24 February 1982: Betu Nsankulu: RMCA: 1 [1 - **1** - **25**].
Kasai, eastern: Collection Date Unknown: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Kasaji: Collection Date Unknown: Fisher: RMCA: 1 [1]; Fisher, W.S.: CM: 1 [1 - **2**] - 13 March 1953: Fisher: RMCA: 2 [2 - **2** - **4**].
Kasaji Malonga: Collection Date Unknown: Fisher: RMCA: 1 [1 - **1** - **1**].
Kasaka: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1]; Stuhlmann, Franz Ludwig: ZMB: 2 [2]; Vanderborght: RMCA: 1 [1 - **4** - **4**].
Kasanga: 1 July 1936: Schwetz: RMCA: 1 [1 - **1** - **1**].
Kasapa: 22 April 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 29 April 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 2 January 1969: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 14 January 1969: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 22 August 1969: ?: Collector Unknown: RBINS: 1 [1]; Poelman, J.: RBINS: 4 [4 - **5** - **9**].
Kasebaya river: 15 February 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Kasebere: 13 January 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 14 February 1970: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 18 June 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 25 June 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 1 December 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 2 December 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 3 December 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 24 April 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **9**].
Kasende: 26 June 1934: Pierrepont, R.S.: MCZ: 1 [1 - **1**] - 5 July 1934: Pierrepont, R.S.: MCZ: 1 [1 - **1**] - 6 July 1934: Pierrepont, R.S.: MCZ: 1 [1 - **1** - **3**].
Kasenga: 1 July 1954: De Smet: RMCA: 1 [1 - **1** - **1**].
Kasenga mission: 28 December 1956: Van Iseghem: RMCA: 1 [1 - **1** - **1**].
Kasenga road, km 106: 10 May 1956: Lips, M.: RMCA: 1 [1 - **1** - **1**].
Kasenga road, km 37: 8 June 1956: Lips, M.: RMCA: 1 [1 - **1** - **1**].
Kasengi: 22 August 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 23 August 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 27 August 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 2 September 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **4**].
Kasenye, 10 km N: 17 February 1954: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 3 March 1954: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 6 March 1954: Expédition Atlantique Sud 1955, l': RBINS: 1 [1 - **1**] - 10 March 1954: ?: Collector Unknown:

RBINS: 1 [1 - **1**] - 17 March 1954: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 20 March 1954: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 30 March 1954: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 22 November 1954: ?: Collector Unknown: RBINS: 13 [13 - **13**] - 23 November 1954: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 24 December 1954: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 22 September 1955: Chapin, James Paul: AMNH: 1 [1 - **1** - **26**].

Kasenyi: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1]; Hiernaux, Jean: RMCA: 1 [1 - **2**] - 31 October 1939: Lepersonne: RMCA: 1 [1 - **1**] - 30 July 1951: Fain, Alexandre: RMCA: 1 [1 - **1**] - 10 February 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 16 February 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 26 February 1953: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 6 May 1953: ?: Collector Unknown: RBINS: 10 [10 - **10**] - 15 June 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 26 June 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 21 September 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 24 September 1953: ?: Collector Unknown: RBINS: 3 [3 - **3**] - 1 October 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 19 November 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 20 November 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 23 November 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 19 February 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 25 February 1954: KEA-Mission, The: RBINS: 1 [1 - **1**] - 19 February 1955: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 2 December 1957: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **32**].

Kashiobwe: 20 October 1955: Van Iseghem: RMCA: 17 [17 - **17**] - 30 October 1955: : SMF: 1 [1 - **1** - **18**].

Kashiobwe mission: 20 October 1955: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].

Kashwa: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 24 August 1955: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **3**].

Kasiba: 15 October 1990: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].

Kasindi: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3]; Schubolz, H.: ZMB: 1 [1 - **4**] - 13 May 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **5**].

Kasindi-port: 18 March 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 22 September 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].

Kasoma: 13 August 1962: ?: Collector Unknown: RBINS: 3 [3 - **3**] - 18 August 1962: ?: Collector Unknown: RBINS: 3 [3 - **3** - **6**].

Kasoma cave: 13 August 1962: ?: Collector Unknown: RBINS: 3 [3]; Anciaux de Faveaux, Félix / Michel: HNHM: 2, MHNG: 7, SMF: 9 [18 - **21**] - 18 August 1962: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **22**].

Kasombo: 20 September 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 1 [1 - **1** - **1**].

Kasongo: Collection Date Unknown: Van Delft: RMCA: 1 [1 - **1**] - 1 December 1938: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 10 January 1956: Lips, M.: RMCA: 1 [1 - **1**] - 25 July 1959: Segers; Benoit Mission: RMCA: 1 [1 - **1**] - 23 August 1959: Segers; Benoit Mission: RMCA: 2 [2 - **2**] - 1 September 1959: Benoit: RMCA: 1 [1 - **1**] - 23 October 1959: Segers; Benoit Mission: RMCA: 1 [1 - **1**] - 13 November 1959: Segers; Benoit Mission: RMCA: 5 [5 - **5** - **13**].

Kasongo Baza: 1 February 1960: Faber: RMCA: 1 [1 - **1** - **1**].

Kasongo Mwana: 1 December 1938: ?: Collector Unknown: RBINS: 19 [19 - **19** - **19**].

Kasongo Samba: 22 September 1959: Segers; Benoit Mission: RMCA: 1 [1 - **1** - **1**].

Kasowena cave: 28 June 1964: Anciaux de Faveaux, Félix / Michel: RMCA: 8 [8 - **8** - **8**].

Kassi river: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 5 April 1951: de Saeger, H.: RMCA: 1 [1 - **1** - **2**].

Kasuo cave Kabwe ka: 26 January 1955: Bergmans, Wim; Collard: RMCA: 3 [3 - **3** - **3**].

Kaswabilenga: 1 October 1947: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1**] - 6 October 1947: ?: Collector Unknown: RBINS: 1 [1]; de Witte, Gaston-François: RBINS: 3 [3 - **4**] - 7 October 1947: ?: Collector Unknown: RBINS: 1 [1]; de Witte, Gaston-François: RBINS: 1 [1 - **2**] - 8 October 1947: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1**] - 9 October 1947: ?: Collector Unknown: RBINS: 4 [4 - **4**] - 4 November 1947: ?: Collector Unknown: RBINS: 1 [1 - **1** - **13**].

Katabayi: 10 April 1979: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].

Katana: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; Laarman, J.J.: RMNH: 10 [10 - **12**] - 29 October 1932: Burgeon: RMCA: 1 [1 - **1**] - 22 July 1954: Chapin, James Paul: AMNH: 3 [3 - **3**] - 18 March 1956: Chapin, James Paul: AMNH: 1 [1 - **1**] - 11 July 1956: Novick, Alvin: MCZ: 10 [10 - **10**] - 30 May 1963: Kunkel, P.: SMF: 1 [1 - **1** - **28**].

Katana cave: 23 January 1957: Stephan, Heinz: RMCA: 1 [1 - **1** - **1**].

Katanda: Collection Date Unknown: ?: Collector Unknown: INPBC: 6 [6 - **6**] - 20 April 1933: Hackars, Henri Martin; Marlier, Georges: RMCA: 1 [1 - **1**] - 16 March 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 12 May 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **9**].

Katanda Road, km 411: 14 September 1932: Burgeon: RMCA: 1 [1 - **1** - **1**].

Katanga: Collection Date Unknown: Anciaux de Faveaux, Félix / Michel: MNHN: 4 [4]; Lemaire, Charles: RMCA: 10 [10]; Pilette, André: RMCA: 4 [4]; soeur de notre dame de Bethanie: RMCA: 1 [1 - **19** - **19**].

Katanga: 1 June 1939: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 21 September 1955: ?: Collector Unknown: SMF: 2 [2 - **2**] - 20 October 1956: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 December 1957: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3**] - 18 December 1957: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3**] - 6 February 1958: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - 1 May 1958: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - 3 June 1958: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3**] - 11 June 1960: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3**] - 28 June 1960: Anciaux de Faveaux, Félix / Michel: SMF: 4 [4 - **4**] - 3 April 1961: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - 19 April 1962: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - 22 April 1962: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2**] - 24 April 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - 31 May 1962: Anciaux de Faveaux, Félix / Michel: SMF: 9 [9 - **9**] - 18 July 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - 21 July 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - 13 August 1962: Anciaux de Faveaux, Félix / Michel: SMF: 8 [8 - **8** - **49**].

Katanga, near: Collection Date Unknown: Anciaux de Faveaux, Félix / Michel: MNHN: 1 [1 - **1** - **1**].

Katapena: 27 December 1926: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].

Kataye Sukunga: 1 January 1930: Fourche: RMCA: 1 [1 - **1** - **1**].

Kateke: 25 November 1947: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1**] - 26 November 1947: de Witte, Gaston-François; *et al.*: RBINS: 5 [5]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **6**] - 27 November 1947: de Witte, Gaston-François; *et al.*: RBINS: 9 [9 - **9**] - 1 December 1947: ?: Collector Unknown: RBINS: 1 [1]; de Witte, Gaston-François; *et al.*: RBINS: 8 [8]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **10**] - 4 December 1947: ?: Collector Unknown: RBINS: 3 [3]; de Witte, Gaston-François; *et al.*: RBINS: 9 [9 - **12** - **38**].

Katende falls: 2 August 1957: Vaillemans: RMCA: 1 [1 - **1** - **1**].

Katentania: 1 January 1926: Van Saceghem, R.: RMCA: 1 [1 - **1** - **1**].

Katobwe: 27 November 1926: Zimmer, John Todd: FMNH: 1 [1 - **1**] - 28 November 1926: Zimmer, John Todd: FMNH: 2 [2 - **2**] - 30 November 1926: Zimmer, John Todd: FMNH: 1 [1 - **1**] - 1 December 1926: Zimmer, John Todd: FMNH: 3 [3 - **3**] - 4

December 1926: Zimmer, John Todd: FMNH: 2 [2 - **2**] - 5 December 1926: Zimmer, John Todd: FMNH: 1 [1 - **1**] - 7 December 1926: Zimmer, John Todd: FMNH: 3 [3 - **3**] - 9 December 1926: Zimmer, John Todd: FMNH: 1 [1 - **1** - **14**].

Katshungu: 30 January 1950: Laurent: RMCA: 3 [3 - **3** - **3**].

Katupila: 22 October 1974: Gallagher, Michael D.: HZM: 1 [1 - **1** - **1**].

Katwé: 1 October 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 2 [2 - **2**] - 2 October 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 1 [1 - **1** - **3**].

Kavuaya: Collection Date Unknown: Kimbembi-ma-Ibaka, A.: RMCA: 2 [2 - **2** - **2**].

Kawa: 1 October 1950: Fain, Alexandre: RMCA: 1 [1 - **1**] - 24 July 1951: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 January 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 14 June 1952: Fain, Alexandre: RMCA: 1 [1 - **1**] - 16 July 1952: Fain, Alexandre: BMNH: 1, RMCA: 1 [2 - **2**] - 17 July 1952: Fain, Alexandre: BMNH: 1 [1 - **1**] - 19 July 1952: Fain, Alexandre: RMCA: 1 [1 - **1**] - 24 July 1952: Fain, Alexandre: RMCA: 3 [3 - **3**] - 5 August 1952: Fain, Alexandre: BMNH: 1 [1 - **1**] - 7 August 1952: Fain, Alexandre: BMNH: 1 [1 - **1** - **13**].

Kawa forest: 1 January 1951: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Kawezi-Uvira road: 3 July 1957: Laarman, J.J.: RMNH: 1 [1 - **1** - **1**].

Kele cave 1: 18 August 1938: Bequaert, J.: RMCA: 9 [9 - **9** - **9**].

Kenya: 26 February 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].

Kere Kere: 1 January 1950: Turco: RMCA: 3 [3 - **3** - **3**].

Keri river: 26 August 1926: Fraser, D.: BMNH: 1 [1 - **1** - **1**].

Keroma: 21 April 1952: de Saeger, H.: RMCA: 136 [136]; de Saeger, H.; *et al.*: RBINS: 229 [229 - **365** - **365**].

Keseki: Collection Date Unknown: N'Kele: RMCA: 3 [3 - **3** - **3**].

Keyberg: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 20 January 1952: Rahm, Uwe: RMCA: 2 [2 - **2**] - 27 October 1955: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1]; Lips, M.: RMCA: 3 [3 - **4**] - 19 December 1955: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2]; Lips, M.: RMCA: 8 [8 - **10**] - 20 December 1955: Lips, M.: RMCA: 2 [2 - **2**] - 4 February 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 2, RMCA: 2 [4 - **4**] - 6 February 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 2, RMCA: 7 [9]; service de l'hygiene publique: RMCA: 2 [2 - **11**] - 9 February 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 4 [4 - **4**] - 17 February 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 3, RMCA: 5 [8 - **8**] - 17 March 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 4 June 1956: Lips, M.: RMCA: 1 [1 - **1** - **48**].

Kiamanwa: 20 February 1931: Bredo, H.J.: RMCA: 1 [1 - **1** - **1**].

Kiambi: Collection Date Unknown: Gerard: RMCA: 2 [2 - **2**] - 7 May 1931: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **3**].

Kiamokoto: 7 May 1948: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1**] - 7 July 1948: ?: Collector Unknown: RBINS: 1 [1]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **2**] - 8 July 1948: ?: Collector Unknown: RBINS: 1 [1]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **2**] - 7 August 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 8 August 1948: ?: Collector Unknown: RBINS: 4 [4 - **4**] - 4 October 1948: ?: Collector Unknown: RBINS: 2 [2 - **2** - **12**].

Kiavikire: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 24 November 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].

Kibanda: 3 February 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 3 [3 - **3**] - 15 May 1975: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **5**].

Kibanga: 17 November 1947: ?: Collector Unknown: RBINS: 4 [4 - **4** - **4**].

Kibumba: 10 August 1970: Celis, M.J.; Lejeune, M.: RMCA: 2 [2 - **2** - **2**].

Kibwe Lya Mikako cave: 26 January 1955: Bergmans, Wim; Collard: RMCA: 6 [6 - **6**] - 28 December 1966: Celis, M.J.; Lejeune, M.: RMCA: 52 [52 - **52** - **58**].

Kidada: 17 February 1922: Schouteden, Henri: RMCA: 1 [1 - **1**] - 20 February 1922: Schouteden, Henri: RMCA: 2 [2 - **2**] - 21 February 1922: Schouteden, Henri: RMCA: 1 [1 - **1** - **4**].

Kifumwanshi: 13 December 1955: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Kikanda: Collection Date Unknown: Anciaux de Faveaux, Félix / Michel: MNHN: 1 [1 - **1**] - 23 September 1955: Lips, M.: RMCA: 2 [2 - **2**] - 2 February 1956: Lips, M.: RMCA: 3 [3 - **3**] - 3 February 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2**] - 6 February 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1]; Lips, M.: RMCA: 4 [4 - **5** - **13**].

Kikango: 16 January 1954: Bomans, H.: RMCA: 1 [1 - **1** - **1**].

Kikole-Pecheur: 17 May 1980: Mutashia, M.: SMF: 16 [16 - **16** - **16**].

Kikondja: 6 February 2010: Louette, Michel: RMCA: 1 [1 - **1** - **1**].

Kikura: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Kikwit: Collection Date Unknown: ?: Collector Unknown: TM: 20 [20]; : TM: 3 [3]; Musaba Akawa, Prescott; Bipoo, Moïse; Tamaru, Richard; Isude, Pauline; Kussa, Joseph: UNIKIS: 1 [1 - **24**] - 1 January 1920: Vanderijst, R.P.: RMCA: 1 [1 - **1**] - 1 November 1922: Rodhain, J.: RMCA: 2 [2 - **2**] - 10 June 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 1 [1 - **1**] - 6 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 14, RMCA: 15 [29 - **29**] - 12 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 3, RMCA: 4 [7 - **7**] - 14 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 28, RMCA: 28 [56 - **56**] - 15 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 5, RMCA: 5 [10 - **10**] - 3 August 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 6 [6 - **6**] - 25 January 1996: Swanepoel, Robert (Bob): TM: 3 [3 - **3**] - 28 January 1996: Swanepoel, Robert (Bob): TM: 1 [1 - **1**] - 27 June 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 11 [11 - **11**] - 28 June 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 2 [2 - **2**] - 29 June 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 8 [8 - **8** - **161**].

Kikwit ITPK: 1 August 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 10, RMCA: 7 [17 - **17**] - 3 August 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 8 [9 - **9** - **26**].

Kilembe, 52 mi [=84 km] S: 8 August 1957: Leech, Robin E.; Ross, Edward S.: CAS: 2 [2 - **2** - **2**].

Kilemue: 25 October 1966: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].

Kilia Kaparata: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Kilibozi: 12 April 1975: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Kiligi: 11 February 1975: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].

Kilinga: Collection Date Unknown: ?: Collector Unknown: INPBC: 7 [7 - **7**] - 26 August 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 15 March 1954: de Witte, Gaston-François: RMCA: 3 [3 - **3**] - 15 October 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **12**].

Kiliza: 24 May 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 25 May 1964: Prigogine, Alexandre: RMCA: 3 [3 - **3**] - 26 May 1964: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 17 January 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **7**].
Kilo [mines]: Collection Date Unknown: Thelie: RMCA: 1 [1 - **1**] - 1 January 1930: du Soleil: RMCA: 1 [1 - **1**] - 21 April 1949: Hiernaux, Jean: RMCA: 1 [1 - **1** - **3**].
Kilo mines: Collection Date Unknown: du Soleil: RMCA: 1 [1 - **1**] - 16 April 1949: Hiernaux, Jean: RMCA: 1 [1 - **1**] - 17 April 1949: Hiernaux, Jean: RMCA: 1 [1 - **1**] - 20 April 1949: Hiernaux, Jean: RMCA: 5 [5 - **5**] - 21 April 1949: Hiernaux, Jean: RMCA: 1 [1 - **1** - **9**].
Kilobelobe: 5 January 1956: D'Haenens: RMCA: 1 [1 - **1**] - 6 January 1956: D'Haenens: RMCA: 2 [2 - **2** - **3**].
Kiloboze: 2 February 1963: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 12 January 1973: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].
Kilomamensa: Collection Date Unknown: Pilette, André: RMCA: 1 [1 - **1** - **1**].
Kilwa: 1 January 1938: Bredo, H.J.: RMCA: 1 [1 - **1** - **1**].
Kilwezi: 23 July 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 6 August 1948: de Witte, Gaston-François: RBINS: 1 [1 - **1**] - 9 August 1948: ?: Collector Unknown: RBINS: 4 [4 - **4**] - 20 August 1948: ?: Collector Unknown: RBINS: 1 [1 - **1** - **7**].
Kimbemba cataracts: 1 September 1936: Schwetz: RMCA: 1 [1 - **1** - **1**].
Kimbinga market: 20 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 4, RMCA: 2 [6 - **6** - **6**].
Kimilolo: 1 January 1931: De Smet: RMCA: 1 [1 - **1** - **1**].
Kimpoko: Collection Date Unknown: Mutashiya, Tsh: MNHN: 4 [4 - **4**] - 22 August 1976: Tshinyenye: RMCA: 1 [1 - **1**] - 27 August 1976: Tshinyenye: RMCA: 1 [1 - **1**] - 28 August 1976: Tshinyenye: RMCA: 1 [1 - **1**] - 30 August 1976: Tshinyenye: RMCA: 1 [1 - **1**] - 14 October 1976: Tshinyenye: RMCA: 1 [1 - **1**] - 15 October 1976: Tshinyenye: RMCA: 2 [2 - **2**] - 31 October 1976: Tshinyenye: RMCA: 2 [2 - **2**] - 1 November 1976: Tshinyenye: RMCA: 3 [3 - **3**] - 24 December 1976: Tshinyenye: RMCA: 1 [1 - **1**] - 6 September 1978: Tshinyenye: RMCA: 4 [4 - **4**] - 7 September 1978: Tshinyenye: RMCA: 1 [1 - **1**] - 7 November 1978: Tshinyenye: RMCA: 1 [1 - **1**] - 22 June 1979: Mutashiya, Tsh: NMW: 1 [1 - **1**] - 25 August 1979: Tshinyenye: RMCA: 8 [8 - **8**] - 20 January 1980: Tshinyenye: RMCA: 2 [2 - **2**] - 27 April 1980: Tshinyenye: RMCA: 4 [4 - **4** - **38**].
Kimuenza cave: Collection Date Unknown: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].
Kimvuadu: 19 February 1939: Vleeschouwers, C.: RMCA: 1 [1 - **1** - **1**].
Kinawa passage: 26 September 1953: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Kinda: 17 August 1978: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].
Kindu: Collection Date Unknown: Grauer, Rudolf: ZMB: 1 [1 - **1** - **1**].
Kingabwa: Collection Date Unknown: Tshinyenye: RMCA: 1 [1 - **1**] - 19 December 1975: Tshinyenye: RMCA: 1 [1 - **1**] - 31 December 1975: Tshinyenye: RMCA: 2 [2 - **2** - **4**].
Kingulube: 4 December 1968: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 14 December 1968: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].
Kinke: Collection Date Unknown: Royal Museum of Central Africa (RMCA), The: BMNH: 1 [1 - **1**] - 25 October 1955: Lips, M.: RMCA: 1 [1 - **1**] - 23 December 1955: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1]; Lips, M.: RMCA: 6 [6 - **7** - **9**].
Kinkole: 15 August 1980: ?: Collector Unknown: ZMA: 6 [6]; Wallach, V.: ZMA: 3 [3 - **9** - **9**].
Kinshasa: Collection Date Unknown: Matashiya-Tshinyenye: FMNH: 1 [1 - **1**] - 2 July 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 22 December 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 21 April 1964: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 2 May 1964: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 15 January 1975: Gallagher, Michael D.: HZM: 38 [38 - **38**] - 16 January 1975: Gallagher, Michael D.: HZM: 2 [2 - **2**] - 1 April 1987: WHO; Colyn, Marc: RMCA: 1 [1 - **1**] - 1 October 1987: WHO; Colyn, Marc: RMCA: 3 [3 - **3**] - 2 January 1993: Tshinyenye: RMCA: 1 [1 - **1**] - 24 January 1993: Tshinyenye: RMCA: 2 [2 - **2**] - 3 February 1993: Tshinyenye: RMCA: 1 [1 - **1**] - 5 February 1993: Tshinyenye: RMCA: 1 [1 - **1**] - 19 February 1993: Tshinyenye: RMCA: 1 [1 - **1**] - 22 February 1993: Tshinyenye: RMCA: 1 [1 - **1** - **57**].
Kinshasa City province: 1 April 1999: ?: Collector Unknown: SMF: 77 [77 - **77**] - 12 February 2001: ?: Collector Unknown: SMF: 10 [10 - **10**] - 28 February 2001: ?: Collector Unknown: SMF: 2 [2 - **2** - **89**].
Kinyamahura: 8 May 1938: Frechkop, Serge: RMCA: 2 [2 - **2** - **2**].
Kinzambi mission: 24 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 5, RMCA: 6 [11 - **11**] - 25 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 4, RMCA: 5 [9 - **9**] - 26 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 12, RMCA: 11 [23 - **23**] - 27 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 24, RMCA: 23 [47 - **47**] - 28 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 3, RMCA: 11 [14 - **14**] - 30 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 9, RMCA: 12 [21 - **21**] - 31 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 25, RMCA: 29 [54 - **54** - **179**].
Kipangaribwe river: 1 January 1941: Grauvet, R.: RBINS: 1 [1 - **1**] - 18 July 1947: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 1 October 1947: ?: Collector Unknown: RBINS: 3 [3 - **3**] - 10 December 1947: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1**] - 17 December 1947: de Witte, Gaston-François: RBINS: 1 [1 - **1**] - 31 December 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 3 January 1948: ?: Collector Unknown: RBINS: 1 [1]; de Witte, Gaston-François: RBINS: 1 [1 - **2**] - 12 January 1948: ?: Collector Unknown: RBINS: 1 [1]; de Witte, Gaston-François: RBINS: 1 [1]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **3**] - 14 January 1948: de Witte, Gaston-François: RBINS: 1 [1]; de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **2**] - 17 January 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 19 January 1948: de Witte, Gaston-François: RBINS: 2 [2 - **2**] - 6 May 1949: ?: Collector Unknown: RBINS: 1 [1 - **1** - **20**].
Kipopo: 30 November 1955: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1]; Anciaux de Faveaux, Michel: SMF: 1 [1]; De Bont: RMCA: 4 [4 - **6**] - 1 June 1960: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **7**].
Kipushi: 12 August 1954: De Smet: RMCA: 1 [1 - **1** - **1**].
Kipushi, 15 km from: 6 February 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].
Kipushi, road to: 6 February 1956: Lips, M.: RMCA: 1 [1 - **1** - **1**].
Kisala: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 16 October 1920: Schouteden, Henri: RMCA: 1 [1 - **1**] - 11 March 1957: Laarman, J.J.: RMNH: 1 [1 - **1** - **3**].
Kisanga: 27 October 1948: de Wilde, J.: RBINS: 2 [2 - **2**] - 22 April 1960: Rahm, Uwe: BMNH: 2 [2 - **2**] - 25 April 1960: Rahm, Uwe: BMNH: 1 [1 - **1** - **5**].
Kisangani: Collection Date Unknown: De Vos, Luc; Kimbembi; Vandelanoote, Alain: RMCA: 2 [2 - **2**] - 1 June 1982: Colyn, Marc: RMCA: 59 [59 - **59**] - 1 July 1985: Colyn, Marc: RMCA: 2 [2 - **2**] - 1 September 1985: Colyn, Marc: RMCA: 2 [2 - **2**] - 1 October 1985: Ifuta, Ndey B.: RMCA: 4 [4 - **4**] - 1 April 1986: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 22 May 1986: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 20 March 1988: Bijnens, Luc: RMCA: 1 [1 - **1**] - 7 September 2012: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - 9 June 2014: Musaba Akawa, Prescott: UNIKIS: 1 [1 - **1** - **75**].

Kisantu: Collection Date Unknown: Dumont: RMCA: 1 [1]; Vanderijst, R.P.: RMCA: 3 [3 - **4**] - 11 December 1920: Schouteden, Henri: RMCA: 4 [4 - **4**] - 12 December 1920: Schouteden, Henri: RMCA: 4 [4 - **4**] - 15 December 1920: Schouteden, Henri: RMCA: 5 [5 - **5**] - 18 December 1920: Schouteden, Henri: RMCA: 1 [1 - **1**] - 19 December 1920: Schouteden, Henri: RMCA: 3 [3 - **3**] - 27 December 1920: Schouteden, Henri: RMCA: 1 [1 - **1**] - 3 June 2012: Stanley, William ("Bill") T.: FMNH: 19 [19 - **19** - **41**].
Kishero: 3 December 1954: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].
Kisiki: 19 December 1938: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1**] - 22 December 1938: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **2**].
Kisingani: 6 January 1975: Gallagher, Michael D.: HZM: 2 [2 - **2**] - 13 January 1975: Gallagher, Michael D.: HZM: 2 [2 - **2** - **4**].
Kisisile: Collection Date Unknown: ?: Collector Unknown: INPBC: 17 [17 - **17** - **17**].
Kisiushi: 30 July 1956: Lips, M.: RMCA: 1 [1 - **1** - **1**].
Kiswishi [river]: 21 September 1955: Lips, M.: RMCA: 3 [3 - **3**] - 11 October 1955: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2]; Lips, M.: RMCA: 4 [4 - **6** - **9**].
Kitangua: 13 December 1981: Betu Nsankulu: RMCA: 1 [1 - **1**] - 24 December 1981: Betu Nsankulu: RMCA: 2 [2 - **2** - **3**].
Kitimi: 1 December 1979: Tshinyenye: RMCA: 3 [3 - **3** - **3**].
Kitombongo: 24 September 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 11 [11 - **11**] - 25 September 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 5 [5 - **5**] - 26 September 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 6 [6 - **6** - **22**].
Kitonga: Collection Date Unknown: Verschuren, Jacques: INPBC: 1 [1 - **1** - **1**].
Kitongo: 3 June 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 4 June 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].
Kitubulushi: 3 August 1954: De Smet: RMCA: 4 [4 - **4** - **4**].
Kitundu Kinda: 22 September 1914: de Baillet Latour: RMCA: 8 [8 - **8** - **8**].
Kitutu: 14 March 1960: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 6 February 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 14 February 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 15 February 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 1 March 1964: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **5**].
Kitwabaluzi: 19 April 1951: Prigogine, Alexandre: RMCA: 2 [2 - **2** - **2**].
Kiulu Mgemgo: 7 January 1977: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Kiumba: 18 September 1957: Rahm, Uwe: RMCA: 2 [2 - **2** - **2**].
Kivu: Collection Date Unknown: Babault, Guy: MNHN: 1 [1 - **1**] - 10 April 1905: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 11 September 1935: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 19 July 1964: Kunkel, P.: SMF: 1 [1 - **1** - **8**].
Kivu mountains: Collection Date Unknown: Babault, Guy: MNHN: 2 [2 - **2** - **2**].
Kivu region: Collection Date Unknown: Babault, Guy: MNHN: 18 [18 - **18**] - 1 January 1934: Babault, Guy: MCZ: 6 [6 - **6**] - 1 January 1962: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 June 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 28 June 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 1 July 1963: Kunkel, P.: SMF: 2 [2 - **2**] - 22 July 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 12 September 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 24 September 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 29 September 1963: Kunkel, P.: SMF: 3 [3 - **3**] - 30 September 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 1 October 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 2 October 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 23 November 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 8 March 1964: Kunkel, P.: SMF: 1 [1 - **1**] - 11 March 1964: Kunkel, P.: SMF: 1 [1 - **1**] - 16 March 1964: Kunkel, P.: SMF: 1 [1 - **1**] - 4 June 1964: Kunkel, P.: SMF: 1 [1 - **1**] - 10 July 1964: Kunkel, P.: SMF: 1 [1 - **1**] - 24 December 1964: Kunkel, P.: SMF: 1 [1 - **1**] - 12 January 1984: Stephan, Heinz: SMF: 1 [1 - **1**] - 31 January 1984: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 February 1984: ?: Collector Unknown: SMF: 1 [1 - **1**] - 12 February 1984: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1988: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 August 1989: ?: Collector Unknown: SMF: 14 [14 - **14** - **64**].
Kivu, lake: 1 May 1953: KEA-Mission, The: RBINS: 1 [1 - **1** - **1**].
Kivu, near: Collection Date Unknown: Babault, Guy: MNHN: 12 [12 - **12** - **12**].
Kivulo: 24 August 1947: ?: Collector Unknown: RBINS: 4 [4 - **4** - **4**].
Kiwakishi cave: 1 July 1958: Leleup, Narcisse: RMCA: 2 [2 - **2** - **2**].
Kiyite: 7 April 1969: Celis, M.J.; Lejeune, M.: RMCA: 1 [1 - **1** - **1**].
Ko[g]enga: Collection Date Unknown: Royal Museum of Central Africa (RMCA), The: BMNH: 3 [3 - **3** - **3**].
Kokodo river: 19 April 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].
Kokodu: 19 April 1952: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].
Kokonde: 4 February 1956: : SMF: 1 [1 - **1** - **1**].
Koloka: Collection Date Unknown: ?: Collector Unknown: ZMH: 1 [1 - **1**] - 1 June 1911: : SMF: 1 [1]; Schubolz, H.: SMF: 2 [2 - **3** - **4**].
Kolwezi: 1 March 1958: ?: Collector Unknown: OSU: 1 [1 - **1** - **1**].
Komanda: 21 August 1976: Meier, Florian: MHNG: 11 [11 - **11** - **11**].
Kona: Collection Date Unknown: Musaba Akawa, Prescott: RMCA: 1 [1 - **1**] - 12 May 2010: Gembu Tungaluna, Guy-Crispin: RMCA: 1 [1]; Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 28 [28 - **29**] - 13 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 13 [13 - **13**] - 14 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 9 [9 - **9**] - 15 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 24 [24 - **24**] - 16 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 9 [9 - **9**] - 17 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 11 [11 - **11**] - 21 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 2 [2 - **2** - **98**].
Kondo cave: 21 September 1960: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2** - **2**].
Kondue: Collection Date Unknown: Luja: RMCA: 2 [2 - **2** - **2**].
Kongolo: 7 November 1974: Gallagher, Michael D.: HZM: 16 [16 - **16**] - 8 November 1974: Gallagher, Michael D.: HZM: 54 [54 - **54**] - 9 November 1974: Gallagher, Michael D.: HZM: 1 [1 - **1** - **71**].
Kongolo, island: 1 December 1977: Colyn, Marc: RMCA: 1 [1 - **1**] - 1 April 1982: Colyn, Marc: RMCA: 1 [1 - **1** - **2**].
Konyola: Collection Date Unknown: De Vos, Luc; Kimbembi; Vandelanoote, Alain: RMCA: 4 [4 - **4** - **4**].
Korovi, mount: 25 October 1951: Fain, Alexandre: RMCA: 4 [4 - **4**] - 25 November 1951: Fain, Alexandre: RMCA: 1 [1 - **1** - **5**].
Koteli: 1 December 1924: Schouteden, Henri: RMCA: 4 [4 - **4**] - 1 January 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 2 January 1925: Schouteden, Henri: RMCA: 2 [2 - **2**] - 3 January 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 15 January 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 23 January 1925: Schouteden, Henri: RMCA: 3 [3 - **3** - **12**].
Kuili: 4 January 1977: Tshinyenye: RMCA: 2 [2 - **2** - **2**].
Kuili Ngongo: 5 January 1977: Tshinyenye: RMCA: 2 [2 - **2**] - 6 January 1977: Tshinyenye: RMCA: 1 [1 - **1** - **3**].

Kuleponge: 26 June 1938: Vrijdagh, J.M.: RMCA: 6 [6 - **6** - **6**].
Kumbi: 17 November 1993: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1**] - 25 November 1993: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2**] - 7 December 1993: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **7**].
Kumi: Collection Date Unknown: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].
Kunungu: Collection Date Unknown: Ngwe: RMCA: 53 [53]; N'Kele: RMCA: 17 [17]; Schouteden, Henri: RMCA: 1 [1 - **71**] - 1 March 1921: Schouteden, Henri: RMCA: 2 [2 - **2**] - 9 April 1921: Schouteden, Henri: RMCA: 14 [14 - **14**] - 1 January 1922: Ngwe: RMCA: 25 [25]; Schouteden, Henri: RMCA: 1 [1 - **26**] - 11 December 1927: Ngwe: RMCA: 1 [1 - **1**] - 19 November 1937: N'Kele: RMCA: 1 [1 - **1** - **115**].
Kwama Kwama, cave: 13 June 1955: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **2**].
Kwamouth: 24 May 1921: Schouteden, Henri: RMCA: 3 [3 - **3**] - 29 May 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 2 June 1921: Schouteden, Henri: RMCA: 2 [2 - **2**] - 17 June 1921: Schouteden, Henri: RMCA: 1 [1 - **1** - **7**].
Kwango: 29 December 1976: Tshinyenye: RMCA: 3 [3 - **3** - **3**].
Kyamakonde cave: 18 July 1962: ?: Collector Unknown: RBINS: 7 [7]; Anciaux de Faveaux, Félix / Michel: MHNG: 2 [2 - **9** - **9**].
Kyantapo cave: 29 July 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 2, RMCA: 4 [6 - **6** - **6**].
Kyasala cave: 31 March 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 10 [10 - **10**] - 15 April 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 4, RMCA: 5 [9 - **9**] - 28 July 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 2, RMCA: 18 [20 - **20**] - 19 April 1962: ?: Collector Unknown: RBINS: 1 [1]; Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **2**] - 22 April 1962: ?: Collector Unknown: RBINS: 4 [4]; Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **5**] - 21 July 1962: ?: Collector Unknown: RBINS: 2 [2]; Anciaux de Faveaux, Félix / Michel: MHNG: 1, SMF: 2 [3 - **5** - **51**].
Kyasala grande grotte: 28 July 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 7 [7 - **7** - **7**].
Kyavinionge: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 27 November 1953: KEA-Mission, The: RBINS: 1 [1 - **1**] - 11 May 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 20 May 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 21 May 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **5**].
Kyniamahura: 7 May 1938: Frechkop, Serge: RBINS: 2 [2 - **2** - **2**].
Lai Lay: 28 April 1992: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **2**].
Lake Kivu, near: 1 January 1934: Babault, Guy: MCZ: 2 [2 - **2**] - 1 January 1935: Babault, Guy: MCZ: 4 [4 - **4** - **6**].
Lake Moero: Collection Date Unknown: ?: Collector Unknown: RMCA: 1 [1 - **1** - **1**].
lake Tanganyika, NW bank: Collection Date Unknown: Grauer, Rudolf: ZMB: 1 [1 - **1** - **1**].
Lake Tumba: 15 November 1954: Chapin, James Paul: AMNH: 3 [3 - **3** - **3**].
Lake Tumba, Island in: 14 June 1956: Novick, Alvin: MCZ: 1 [1 - **1**] - 17 June 1965: Novick, Alvin: MCZ: 1 [1 - **1** - **2**].
Lamya Valley: 16 November 1945: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].
Lemba plain: Collection Date Unknown: Van Delft: RMCA: 1 [1 - **1**] - 3 July 1929: Van Delft: RMCA: 1 [1 - **1** - **2**].
Lemera: 1 November 1956: Laurent: RMCA: 1 [1 - **1** - **1**].
Lemera, SW of: 16 July 1927: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].
Leopold 2nd Lake: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Léopoldville: Collection Date Unknown: Babault, Guy: MNHN: 1 [1]; Camp, J.: USNM: 12 [12]; Christy, Cuthbert: BMNH: 2, RMCA: 6 [8]; De Roo, Antoon Emeric Marcel; Deheegher, Jan: RMCA: 4 [4]; Henrion, A.: RBINS: 2 [2]; Lepersonne: RMCA: 2 [2]; Schouteden, Henri: RMCA: 1 [1]; Vandenbranden: RMCA: 1 [1 - **31**] - 8 November 1893: Camp, J.: USNM: 1 [1 - **1**] - 8 July 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 10 July 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 5 April 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 11 April 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 16 April 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 12 March 1913: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 15 January 1919: Fiasse, R.: RMCA: 2 [2 - **2**] - 30 September 1941: Fiasse, R.: RMCA: 2 [2 - **2**] - 1 January 1942: Fiasse, R.: RMCA: 1 [1 - **1**] - 1 February 1942: Becquet: RMCA: 2 [2]; Fiasse, R.: RMCA: 1 [1 - **3**] - 1 March 1942: Fiasse, R.: RMCA: 1 [1 - **1**] - 16 July 1942: Colback: RMCA: 2 [2 - **2**] - 1 November 1942: Fiasse, R.: RMCA: 1 [1 - **1**] - 12 November 1942: Fiasse, R.: RMCA: 1 [1 - **1**] - 15 March 1943: Colback: RMCA: 1 [1 - **1**] - 8 June 1943: Fiasse, R.: RMCA: 1 [1 - **1**] - 14 February 1945: Lepersonne: RMCA: 1 [1 - **1**] - 18 May 1945: Lepersonne: RMCA: 1 [1 - **1**] - 12 November 1945: Deheyn, Jean Jacques: RMCA: 2 [2 - **2**] - 1 January 1946: Henrion, M.: RMCA: 2 [2 - **2**] - 16 June 1946: Henrion, M.: RMCA: 2 [2 - **2**] - 20 January 1947: Dartevelle: RMCA: 2 [2 - **2**] - 1 January 1949: Richard: RMCA: 1 [1 - **1**] - 7 October 1950: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 January 1961: Misonne, Xavier: RBINS: 1 [1 - **1**] - 15 March 1964: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 4 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5** - **72**].
Lesse: Collection Date Unknown: Bonnevie: RMCA: 1 [1 - **1**] - 4 November 1913: Bonnevie: RMCA: 3 [3 - **3** - **4**].
Leverville: 1 February 1929: Tinant: RMCA: 8 [8 - **8** - **8**].
Libenge: 10 June 1937: Leontovitch: RMCA: 1 [1 - **1**] - 10 April 1938: Leontovitch: RMCA: 1 [1 - **1** - **2**].
Lieki: 1 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1**] - 21 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1**] - 22 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1**] - 29 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 4 [4 - **4**] - 30 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 7 [7 - **7**] - 31 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 1 [1 - **1**] - 1 June 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 9 [9 - **9**] - 2 June 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 15 [15 - **15**] - 3 June 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 7 [7 - **7** - **46**].
Likandi river: 18 April 1906: Alexander-Gosling Expedition, The: BMNH: 2 [2 - **2** - **2**].
Liki: 6 March 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 10 November 1954: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 18 November 1954: ?: Collector Unknown: RBINS: 2 [2 - **2** - **5**].
Lisala: Collection Date Unknown: Babilon: RMCA: 2 [2 - **2** - **2**].
Lobi: 19 February 1906: : BMNH: 1 [1 - **1** - **1**].
Lodja: 20 July 1986: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **1**].
Lofoi: Collection Date Unknown: Verdick, Edgar: RMCA: 1 [1 - **1** - **1**].
Lomera: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3**] - 9 October 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 27 October 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **5**].
Lonzo: Collection Date Unknown: ?: Collector Unknown: INPBC: 14 [14 - **14** - **14**].
Loondo Mugunga: 1 March 1945: Expédition au Lac Tumba (Congo Belge), l': RBINS: 1 [1 - **1**] - 1 March 1954: de Loneux, Gonze: RBINS: 1 [1 - **1** - **2**].

Losho: 23 November 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Lovanium university: Collection Date Unknown: De Bont: RMCA: 1 [1 - **1**] - 10 January 1962: De Bont: RMCA: 1 [1]; De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **2**] - 13 January 1962: De Bont: RMCA: 1 [1 - **1**] - 30 March 1962: De Bont: RMCA: 1 [1 - **1**] - 1 April 1962: De Bont: RMCA: 1 [1 - **1**] - 5 April 1962: De Bont: RMCA: 2 [2 - **2**] - 1 May 1962: De Bont: RMCA: 1 [1 - **1**] - 2 May 1962: De Bont: RMCA: 1 [1 - **1**] - 7 May 1962: De Bont: RMCA: 1 [1 - **1**] - 26 May 1962: De Bont: RMCA: 1 [1 - **1**] - 5 June 1962: De Bont: RMCA: 1 [1 - **1**] - 12 June 1962: De Bont: RMCA: 1 [1 - **1**] - 24 September 1962: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 1 November 1962: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - 22 November 1962: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 24 November 1962: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - 26 November 1962: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 27 November 1962: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 1 December 1962: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 3 December 1962: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 8 December 1962: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 10 December 1962: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 24 December 1962: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 28 December 1962: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 5 January 1963: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - 11 January 1963: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - 17 January 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 20 February 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 12 March 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 17 March 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 23 March 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 30 March 1963: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - 1 April 1963: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - 2 April 1963: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - 19 April 1963: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - 23 April 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1]; Van Orshoven, Jo: ZMA: 1 [1 - **2**] - 3 May 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 7 May 1963: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - 9 May 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 6 July 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 16 July 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 6 November 1963: De Bont; Van Orshoven, Jo: RMCA: 2 [2 - **2**] - 7 November 1963: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 23 November 1963: De Bont; Van Orshoven, Jo: RMCA: 2 [2]; Van Orshoven, Jo: ZMA: 1 [1 - **3**] - 6 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 12 April 1964: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 19 April 1964: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 21 April 1964: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1**] - 8 July 1964: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 26 December 1966: De Bont; Van Orshoven, Jo: RMCA: 1 [1 - **1** - **65**].

Lovoi: 1 March 1932: Quarré: RMCA: 1 [1 - **1** - **1**].

Luanu: 26 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 2, RMCA: 4 [6 - **6** - **6**].

Luanza mission: Collection Date Unknown: de Paoli: RMCA: 1 [1 - **1** - **1**].

Lubango: 25 May 1950: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Lubenge: 10 March 1929: Rockefeller, J. Sterling: AMNH: 1 [1 - **1**] - 13 March 1929: Rockefeller, J. Sterling: AMNH: 1 [1 - **1** - **2**].

Luberezi: 9 March 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Lubondai-Tshimbulu: Collection Date Unknown: Marks, S.: RMCA: 1 [1 - **1**] - 1 January 1953: Marks, S.: RMCA: 3 [3 - **3**] - 1 January 1955: Marks, S.: RMCA: 1 [1 - **1**] - 12 December 1955: Marks, S.: RMCA: 1 [1 - **1** - **6**].

Lubudi: 24 April 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - 23 July 1962: Anciaux de Faveaux, Félix / Michel: SMF: 3 [3 - **3** - **4**].

Lubudi, large cave: 1 November 1948: Leleup, Narcisse: RMCA: 4 [4 - **4** - **4**].

Lubudi, small cave: 1 November 1948: Leleup, Narcisse: RMCA: 9 [9 - **9** - **9**].

Lubudi-Lusolo: 16 July 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **1**].

Lubuka cave: 28 August 1950: Laurent: RMCA: 2 [2 - **2** - **2**].

Lubumbashi: Collection Date Unknown: Bequaert, J.: RMCA: 1 [1 - **1**] - 15 February 1921: Bequaert, J.: RMCA: 5 [5 - **5**] - 1 April 1926: Bequaert, J.: RMCA: 1 [1 - **1**] - 23 December 1955: : SMF: 1 [1 - **1**] - 24 March 1966: Poelman, L.: RBINS: 1 [1 - **1**] - 26 March 1966: Misonne, Xavier: RMCA: 2 [2 - **2**] - 6 July 1970: Peelman: RBINS: 4 [4 - **4**] - 28 September 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 5 [5 - **5**] - 12 October 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 7 [7 - **7** - **27**].

Lubutu: 16 September 1985: Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Lubwe: 28 November 1955: Lips, M.: RMCA: 2 [2 - **2** - **2**].

Luebo: 19 August 1921: Schouteden, Henri: RMCA: 4 [4 - **4**] - 21 August 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 26 August 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 10 September 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 13 December 1921: Schouteden, Henri: RMCA: 11 [11 - **11**] - 15 December 1921: Schouteden, Henri: RMCA: 2 [2 - **2**] - 16 December 1921: Schouteden, Henri: RMCA: 5 [5 - **5**] - 17 December 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 19 December 1921: Schouteden, Henri: RMCA: 7 [7 - **7**] - 25 July 1927: Chapin, James Paul: AMNH: 1 [1 - **1** - **34**].

Luena: 21 September 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 1 [1 - **1**] - 23 September 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 1 [1 - **1** - **2**].

Lufira River, upper: Collection Date Unknown: Neave, S.A.: BMNH: 3 [3 - **3** - **3**].

Lufu: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Luhoho: 18 October 1990: Bergmans, Wim: ZMA: 3 [3 - **3** - **3**].

Luiko: 13 September 1950: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Luisa: Collection Date Unknown: Achten: RMCA: 1 [1 - **1**] - 1 January 1923: Achten: RMCA: 1 [1 - **1** - **2**].

Lukafu: 20 December 1930: de Witte, Gaston-François; de Crawhez: RMCA: 4 [4 - **4** - **4**].

Lukatu cave: Collection Date Unknown: Kimbembi-ma-Ibaka, A.: RMCA: 11 [11 - **11** - **11**].

Luki Biosphere Reserve: 13 July 2013: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Lukobwe: 12 October 1948: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Lukoi River: Collection Date Unknown: Fraser, D.: BMNH: 1 [1 - **1** - **1**].

Lukolela: Collection Date Unknown: Ghesquière, J.: RMCA: 1 [1 - **1**] - 1 August 1923: Ghesquière, J.: RMCA: 1 [1 - **1**] - 1 September 1923: Ghesquière, J.: RMCA: 1 [1 - **1**] - 25 July 1930: Chapin, James Paul: AMNH: 1 [1]; Edson, Franklin: AMNH: 1 [1 - **2**] - 28 July 1930: Chapin, James Paul: AMNH: 2 [2 - **2**] - 1 August 1930: Chapin, James Paul: AMNH: 2 [2 - **2**] - 3 August 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 4 August 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 6 August 1930: Chapin, James Paul: AMNH: 2 [2]; Edson, Franklin: AMNH: 1 [1 - **3**] - 11 August 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 12 August 1930: Chapin, James Paul: AMNH: 1 [1]; Edson, Franklin: AMNH: 1 [1 - **2**] - 13 August 1930: Edson, Franklin: AMNH: 1 [1 - **1**] - 17 August 1930: Edson, Franklin: AMNH: 1 [1 - **1**] - 18 August 1930: Chapin, James Paul: AMNH: 1 [1]; Edson, Franklin: AMNH: 1 [1 - **2**] - 19 August 1930: Chapin, James Paul: AMNH: 8 [8]; Edson, Franklin: AMNH: 3 [3 - **11**] - 28 August 1930: Edson, Franklin: AMNH: 1 [1 - **1**] - 29 August 1930: Edson, Franklin: AMNH:

1 [1 - **1**] - 31 August 1930: Edson, Franklin: AMNH: 1 [1 - **1**] - 4 September 1930: Chapin, James Paul: AMNH: 2 [2]; Edson, Franklin: AMNH: 3 [3 - **5**] - 14 September 1930: Edson, Franklin: AMNH: 2 [2 - **2**] - 27 September 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 10 October 1930: Chapin, James Paul: AMNH: 2 [2 - **2**] - 3 November 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 7 November 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 15 November 1930: Chapin, James Paul: AMNH: 2 [2 - **2**] - 16 November 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 21 November 1930: Chapin, James Paul: AMNH: 2 [2 - **2**] - 29 November 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 1 December 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 24 December 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 27 December 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 30 December 1930: Chapin, James Paul: AMNH: 1 [1 - **1**] - 1 February 1931: Chapin, James Paul: AMNH: 3 [3 - **3**] - 28 February 1931: Chapin, James Paul: AMNH: 1 [1 - **1**] - 17 March 1931: Chapin, James Paul: AMNH: 6 [6 - **6**] - 25 June 1931: Lecocq: RMCA: 1 [1 - **1**] - 31 July 1931: Lecocq: RMCA: 1 [1 - **1**] - 15 November 1932: Lecocq: RMCA: 1 [1 - **1**] - 14 March 1933: Lecocq: RMCA: 1 [1 - **1** - **71**].

Lukolela 4 mi from: 31 August 1930: Chapin, James Paul: AMNH: 1 [1 - **1** - **1**].

Lukonga: 7 October 1978: Betu Nsankulu: RMCA: 2 [2 - **2**] - 2 August 1979: Betu Nsankulu: RMCA: 2 [2 - **2**] - 6 August 1979: Betu Nsankulu: RMCA: 3 [3 - **3** - **7**].

Lukonzolwa: 20 November 1911: Stappers, Louis: RMCA: 1 [1 - **1**] - 16 February 1931: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].

Lukula: 5 January 1912: Daniel: RMCA: 1 [1 - **1** - **1**].

Lukulu: 1 June 1932: Remaele: RMCA: 1 [1 - **1** - **1**].

Lula: Collection Date Unknown: Jobaert, A.J.: RMCA: 3 [3 - **3**] - 1 August 1956: Poll, Max: RMCA: 16 [16 - **16**] - 6 August 1956: Poll, Max: RMCA: 3 [3 - **3**] - 10 August 1956: Poll, Max: RMCA: 7 [7 - **7** - **29**].

Lulenga: 13 November 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 24 November 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 28 November 1925: Schouteden, Henri: RMCA: 1 [1 - **1** - **3**].

Lulimba: 9 October 1953: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Lulimbi: Collection Date Unknown: Lejeune, M.: RMCA: 1 [1 - **1**] - 1 January 1976: Lejeune, M.: RMCA: 129 [129 - **129** - **130**].

Lulua: 30 April 1976: Betu Nsankulu: RMCA: 3 [3 - **3**] - 2 May 1976: Betu Nsankulu: RMCA: 3 [3 - **3**] - 25 February 1981: Betu Nsankulu: RMCA: 3 [3 - **3**] - 27 February 1981: Betu Nsankulu: RMCA: 3 [3 - **3** - **12**].

Luluabourg: Collection Date Unknown: ?: Collector Unknown: ZMB: 2 [2]; : BMNH: 4 [4]; Callewaert, Richard: BMNH: 76, RMCA: 13 [89]; Cambier: RMCA: 2 [2]; De Roo, Antoon Emeric Marcel: RMCA: 18 [18]; Deheegher, Jan: RMCA: 19 [19]; Puissant: RMCA: 1 [1 - **135**] - 1 January 1913: Callewaert, Richard: RMCA: 2 [2 - **2**] - 19 February 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 5 April 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 13 April 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 15 April 1922: Callewaert, Richard: RMCA: 4 [4 - **4**] - 16 April 1922: Callewaert, Richard: RMCA: 2 [2 - **2**] - 5 May 1922: Callewaert, Richard: RMCA: 5 [5 - **5**] - 6 May 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 9 May 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 10 May 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 11 May 1922: Callewaert, Richard: RMCA: 4 [4 - **4**] - 15 May 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 16 May 1922: Callewaert, Richard: RMCA: 2 [2 - **2**] - 19 May 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 22 May 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 28 May 1922: Callewaert, Richard: BMNH: 1, RMCA: 3 [4 - **4**] - 29 May 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 3 June 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 6 June 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 7 June 1922: Callewaert, Richard: RMCA: 2 [2 - **2**] - 11 June 1922: Callewaert, Richard: RMCA: 4 [4 - **4**] - 13 June 1922: Callewaert, Richard: RMCA: 2 [2 - **2**] - 16 June 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 19 June 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 22 June 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 26 June 1922: Callewaert, Richard: RMCA: 2 [2 - **2**] - 4 July 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 17 July 1922: Callewaert, Richard: RMCA: 3 [3 - **3**] - 18 July 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 19 July 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 27 July 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 23 September 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 26 September 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 26 November 1922: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 19 October 1923: Callewaert, Richard: BMNH: 1 [1 - **1**] - 28 November 1923: Callewaert, Richard: BMNH: 1 [1 - **1**] - 28 May 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 2 December 1925: Callewaert, Richard: BMNH: 1 [1 - **1**] - 25 February 1926: Callewaert, Richard: BMNH: 1 [1 - **1**] - 11 March 1926: Callewaert, Richard: BMNH: 2 [2 - **2**] - 1 January 1931: Deheegher, Jan: RMCA: 1 [1 - **1**] - 1 January 1932: Romieux, Jean: MHNG: 1 [1 - **1**] - 1 November 1962: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 1 January 1963: Deheegher, Jan: RMCA: 3 [3 - **3**] - 18 April 1963: Deheegher, Jan: RMCA: 3 [3 - **3**] - 29 August 1963: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 8 September 1963: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 14 September 1963: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 21 September 1963: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 22 September 1963: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - 24 September 1963: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 5 October 1963: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 4 November 1963: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 5 November 1963: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 22 November 1963: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 25 November 1963: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 26 November 1963: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 29 November 1963: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 13 December 1963: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - 19 December 1963: De Roo, Antoon Emeric Marcel: AMNH: 3 [3 - **3**] - 1 January 1964: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - 11 January 1964: De Roo, Antoon Emeric Marcel: AMNH: 8 [8 - **8**] - 15 January 1964: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - 1 February 1964: De Roo, Antoon Emeric Marcel: AMNH: 4 [4 - **4**] - 11 February 1964: De Roo, Antoon Emeric Marcel: AMNH: 3, KU: 1 [4 - **4**] - 12 February 1964: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - 14 February 1964: De Roo, Antoon Emeric Marcel: AMNH: 2 [2 - **2**] - 21 February 1964: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - 22 February 1964: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - 23 February 1964: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - 2 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 8 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 9 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 10 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 11 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 12 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 14 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 15 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 16 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 17 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 19 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 16 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 17 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6**] - 18 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 19 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 22 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 23 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 24 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 25 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 26 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 1 May 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 3 May 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 4 May 1964: De Roo,

Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 6 May 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 10 May 1964: De Roo, Antoon Emeric Marcel: RMCA: 12 [12 - **12**] - 24 May 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 28 May 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 30 May 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 2 June 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 3 June 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 4 June 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 6 June 1964: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 10 June 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 13 June 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 2 September 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 21 September 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 16 October 1964: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 19 October 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 21 October 1964: De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6**] - 22 October 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 24 October 1964: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - 31 October 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 1 November 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 4 November 1964: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 7 November 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 11 November 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 14 November 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 25 November 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 1 December 1964: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5**] - 14 December 1964: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1**] - 30 December 1964: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 31 December 1964: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 1 January 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 2 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 13 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 14 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 15 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 16 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 18 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 20 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - 21 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 22 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 25 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 7 [7 - **7**] - 27 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 28 February 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 2 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6**] - 3 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - 4 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5**] - 6 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5**] - 8 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 12 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 16 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 18 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 19 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5**] - 20 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 22 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 25 March 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 1 April 1965: De Roo, Antoon Emeric Marcel: RMCA: 10 [10 - **10**] - 2 April 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 12 April 1965: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 28 April 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 30 April 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 2 May 1965: De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6**] - 8 May 1965: De Roo, Antoon Emeric Marcel: RMCA: 11 [11 - **11**] - 17 May 1965: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - 22 May 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 16 June 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 26 June 1965: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 30 June 1965: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 3 July 1965: De Roo, Antoon Emeric Marcel: RMCA: 13 [13]; Deheegher, Jan: RMCA: 2 [2 - **15**] - 16 November 1965: De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - 3 February 1966: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 3 March 1966: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 30 April 1966: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 27 May 1966: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 3 August 1968: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 14 August 1968: De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 20 August 1968: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 28 August 1969: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **522**].

Luluabourg, gorge: 29 June 1963: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 29 August 1963: De Roo, Antoon Emeric Marcel: RMCA: 7 [7 - **7** - **8**].

Lume river, near: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Lundjulu: 22 September 1952: Schepens: RMCA: 1 [1 - **1**] - 14 October 1952: Schepens: RMCA: 1 [1 - **1** - **2**].

Luofu: 23 March 1927: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Luputa: Collection Date Unknown: Bouvier: RMCA: 1 [1 - **1** - **1**].

Lurhogole Swamp area: 10 July 2005: Project Beatra: FMNH: 1 [1 - **1** - **1**].

Lusambo: Collection Date Unknown: Ghesquière, J.: RMCA: 3 [3 - **3**] - 1 December 1921: Ghesquière, J.: RMCA: 4 [4 - **4**] - 25 December 1921: Ghesquière, J.: RMCA: 1 [1 - **1**] - 1 January 1922: Ghesquière, J.: RMCA: 1 [1 - **1** - **9**].

Lusanga Mwanza: Collection Date Unknown: Dartevelle: RMCA: 14 [14 - **14** - **14**].

Lusano & KKK Zones: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Lushala: 4 November 1966: Elbl, A.: USNM: 1 [1 - **1** - **1**].

Lusilubi valley: 12 August 1946: de Wilde, J.: RBINS: 1 [1 - **1** - **1**].

Lusinga: 12 June 1947: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1**] - 17 July 1947: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Lusolo cave: 28 July 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 7, RMCA: 25 [32 - **32**] - 16 July 1962: ?: Collector Unknown: RBINS: 9 [9]; Anciaux de Faveaux, Félix / Michel: MHNG: 6, SMF: 6 [12 - **21** - **53**].

Lutunguru: 30 March 1949: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 5 April 1949: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 6 July 1949: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 4 August 1949: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 16 February 1952: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **5**].

Luvungi: 15 December 1932: Burgeon: RMCA: 1 [1 - **1**] - 6 May 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 21 [21 - **21**] - 7 May 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 24 [24 - **24**] - 17 May 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1** - **47**].

Lwana: 16 October 1990: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1**] - 12 April 1992: Bergmans, Wim: ZMA: 1 [1 - **1**] - 12 June 1992: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **3**].

Lwana River: Collection Date Unknown: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1**] - 19 April 1992: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **2**].

Lwiro: Collection Date Unknown: Kunkel, P.: SMF: 1 [1]; Laarman, J.J.: RMNH: 1 [1 - **2**] - 20 April 1955: Chapin, James Paul: AMNH: 1 [1 - **1**] - 6 May 1955: Schmitt, Waldo LaSalle; Baker, E.: USNM: 1 [1 - **1**] - 16 May 1955: Schmitt, Waldo LaSalle:

USNM: 2 [2]; Schmitt, Waldo LaSalle; Baker, E.: USNM: 6 [6 - **8**] - 1 August 1955: Laarman, J.J.: RMNH: 1 [1 - **1**] - 11 May 1956: Laarman, J.J.: RMNH: 1 [1 - **1**] - 4 June 1956: Rahm, Uwe: RMCA: 1 [1 - **1**] - 13 July 1956: Novick, Alvin: MCZ: 2 [2 - **2**] - 8 July 1958: Rahm, Uwe: RMCA: 1 [1 - **1**] - 21 February 1959: Rahm, Uwe: RMCA: 1 [1 - **1**] - 7 April 1959: Rahm, Uwe: RMCA: 1 [1 - **1**] - 8 April 1959: Rahm, Uwe: RMCA: 2 [2 - **2**] - 16 January 1962: Kiss: RMCA: 4 [4 - **4**] - 24 March 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 1 August 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 8 September 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 25 September 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 27 September 1963: Kunkel, P.: SMF: 1 [1 - **1**] - 14 October 1963: Dieterlen, Fritz: SMNS: 1 [1 - **1**] - 28 May 1964: Kunkel, P.: SMF: 1 [1 - **1**] - 2 June 1964: Kunkel, P.: SMF: 1 [1 - **1**] - 22 June 1964: Svepel: ZMZ: 1 [1 - **1**] - 10 July 1964: Svepel: ZMZ: 1 [1 - **1**] - 14 July 1964: Svepel: ZMZ: 2 [2 - **2**] - 15 July 1964: Svepel: ZMZ: 1 [1 - **1**] - 17 July 1964: Svepel: ZMZ: 1 [1 - **1**] - 1 August 1964: Goepel, U.: ZMZ: 1 [1 - **1**] - 8 August 1964: Goepel, U.: ZMZ: 2 [2 - **2**] - 27 November 1964: Svepel: ZMZ: 1 [1 - **1**] - 28 November 1964: Dieterlen, Fritz: SMNS: 1 [1 - **1**] - 1 January 1965: Kunkel, P.: SMF: 1 [1 - **1**] - 22 June 1965: Kunkel, P.: SMF: 1 [1 - **1**] - 1 July 1965: Kunkel, P.: SMF: 1 [1 - **1**] - 23 October 1965: Kunkel, P.: SMF: 1 [1 - **1**] - 28 October 1965: Kunkel, P.: SMF: 1 [1 - **1**] - 20 December 1965: Kunkel, P.: SMF: 1 [1 - **1**] - 16 June 1966: Elbl, A.: USNM: 1 [1 - **1**] - 1 April 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 4 April 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 6 April 1967: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 28 April 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 9 July 2001: Huhndorf, Michael H.: FMNH: 3 [3 - **3**] - 13 July 2001: Huhndorf, Michael H.: FMNH: 2 [2 - **2**] - 29 July 2002: Huhndorf, Michael H.: FMNH: 4 [4 - **4**] - 31 July 2002: Huhndorf, Michael H.: FMNH: 2 [2 - **2** - **68**].

Lwiro Katana: 1 August 1954: Laurent: RMCA: 1 [1 - **1** - **1**].

Mabali: 9 November 1954: Chapin, James Paul: AMNH: 3 [3 - **3**] - 1 May 1956: Novick, Alvin: MCZ: 3 [3 - **3**] - 1 June 1956: Novick, Alvin: MCZ: 16 [16 - **16**] - 18 June 1956: Novick, Alvin: MCZ: 4 [4 - **4**] - 21 June 1956: Novick, Alvin: MCZ: 1 [1 - **1**] - 22 June 1956: Novick, Alvin: MCZ: 1 [1 - **1**] - 27 June 1956: Novick, Alvin: MCZ: 1 [1 - **1**] - 9 October 1958: Rahm, Uwe: RMCA: 2 [2 - **2**] - 29 October 1958: Rahm, Uwe: RMCA: 1 [1 - **1**] - 19 December 1958: Baer, Jean Georges: MHNG: 1 [1 - **1** - **33**].

Mabanga: 1 August 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3** - **3**].

Mabereri river: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Maboya: 8 January 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 12 October 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 16 November 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 1 December 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 8 December 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 25 December 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 9 January 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 21 January 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 22 January 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 23 January 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 31 January 1971: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 2 February 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 14 February 1971: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 10 March 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **16**].

Mabwe: 1 January 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 28 July 1947: Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **1**] - 5 August 1947: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 6 August 1947: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 7 August 1947: ?: Collector Unknown: RBINS: 3 [3 - **3**] - 8 August 1947: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 12 August 1947: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 21 August 1947: Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **1**] - 4 September 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 19 November 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 2 December 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 13 December 1948: Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **1**] - 22 December 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 23 December 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 6 January 1949: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 31 January 1949: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 16 February 1949: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 1 March 1949: ?: Collector Unknown: RBINS: 3 [3 - **3**] - 10 August 1949: ?: Collector Unknown: RBINS: 10 [10 - **10** - **37**].

Mabwe river: 11 February 1949: de Witte, Gaston-François; *et al.*: RBINS: 2 [2 - **2**] - 1 March 1949: de Witte, Gaston-François; *et al.*: RBINS: 6 [6 - **6**] - 10 August 1949: de Witte, Gaston-François; *et al.*: RBINS: 6 [6 - **6** - **14**].

Macaco: 21 September 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 29 September 1921: Schouteden, Henri: RMCA: 1 [1 - **1** - **2**].

Madimao: 18 May 1955: Lips, M.: RMCA: 6 [6 - **6** - **6**].

Maganga: Collection Date Unknown: Bijnens, Luc: RMCA: 1 [1 - **1** - **1**].

Maginda: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Mahagi: 20 April 1942: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Mahagi Port: Collection Date Unknown: Lepersonne: RMCA: 1 [1 - **1**] - 5 May 1925: Schouteden, Henri: RMCA: 4 [4 - **4**] - 10 May 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 13 May 1925: Schouteden, Henri: RMCA: 2 [2 - **2**] - 14 May 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 16 May 1925: Schouteden, Henri: RMCA: 2 [2 - **2**] - 29 March 1953: Hecq, Célestin: BMNH: 1, RMCA: 1 [2 - **2**] - 28 September 1955: Chapin, James Paul: AMNH: 1 [1 - **1** - **14**].

Mahysha cave: Collection Date Unknown: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Mahyusa Cave: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].

Mai-ya-Moto: 16 May 1955: Chapin, James Paul: AMNH: 2 [2 - **2** - **2**].

Maka: 27 June 1947: Poll, Max: RMCA: 1 [1 - **1** - **1**].

Makaia N'Tete: 1 January 1922: Schouteden, Henri: RMCA: 8 [8 - **8**] - 30 March 1922: Schouteden, Henri: RMCA: 10 [10 - **10** - **18**].

Makala: 3 December 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 4 December 1912: Christie, J.: BMNH: 1 [1 - **1**] - 5 December 1912: Christy, Cuthbert: RMCA: 1 [1 - **1** - **3**].

Makaw: Collection Date Unknown: Jans, E.: RMCA: 4 [4 - **4** - **4**].

Makayova river: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Makayova river, lower: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2]; Verschuren, Jacques: INPBC: 2 [2 - **4** - **4**].

Make: 1 July 1989: Tshinyenye: RMCA: 2 [2 - **2**] - 1 August 1989: Tshinyenye: RMCA: 1 [1 - **1**] - 1 January 1992: Tshinyenye: RMCA: 1 [1 - **1**] - 12 August 1992: Tshinyenye: RMCA: 1 [1 - **1**] - 30 October 1992: Tshinyenye: RMCA: 1 [1 - **1**] - 1 November 1992: Tshinyenye: RMCA: 1 [1 - **1**] - 17 November 1992: Tshinyenye: RMCA: 1 [1 - **1**] - 18 April 1993: Tshinyenye: RMCA: 1 [1 - **1**] - 26 June 1993: Tshinyenye: RMCA: 1 [1 - **1**] - 23 July 1993: Tshinyenye: RMCA: 1 [1 - **1** - **11**].

Makengo: 11 December 1946: Dartevelle: RMCA: 11 [11 - **11** - **11**].

Makisabu: 8 July 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Makpe: 12 July 1951: de Saeger, H.: RMCA: 2 [2 - **2**] - 13 July 1951: de Saeger, H.: RMCA: 1 [1 - **1**] - 14 July 1951: de Saeger, H.: RMCA: 1 [1 - **1**] - 8 August 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **5**].

Makpe river, upper: 10 July 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 12 July 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 13 July 1951: de Saeger, H.; *et al.*: RBINS: 5 [5 - **5**] - 22 May 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **8**].
Malandje: Collection Date Unknown: Mechow: ZMB: 1 [1 - **1** - **1**].
Malela: 6 May 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 8 July 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 20, MCZ: 2 [22 - **22** - **25**].
Maleli: 9 February 1951: de Saeger, H.; *et al.*: RBINS: 6 [6 - **6**] - 12 April 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 13 May 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 10 June 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 11 June 1951: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 13 June 1951: de Saeger, H.; *et al.*: RBINS: 7 [7 - **7**] - 14 June 1951: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 18 March 1952: de Saeger, H.; *et al.*: RBINS: 27 [27 - **27** - **47**].
Malembe: 20 April 1992: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1** - **1**].
Malili: 13 June 1951: de Saeger, H.: RMCA: 8 [8 - **8**] - 14 June 1951: de Saeger, H.: RMCA: 4 [4 - **4**] - 18 March 1952: de Saeger, H.: RMCA: 6 [6 - **6** - **18**].
Malulu: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].
Mambabwanga Hill: 9 March 1925: Heller, Edmund: FMNH: 1 [1 - **1** - **1**].
Mambaka: Collection Date Unknown: Christy, Cuthbert: BMNH: 1 [1 - **1**] - 17 January 1913: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 20 January 1913: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 21 January 1913: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 22 January 1913: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 2 January 1914: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 20 January 1914: Christy, Cuthbert: RMCA: 1 [1 - **1** - **7**].
Mamudioma: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].
Mandima: 7 July 1976: Meier, Florian: MHNG: 5 [5 - **5**] - 8 July 1976: Meier, Florian: MHNG: 2 [2 - **2**] - 15 July 1976: Meier, Florian: MHNG: 1 [1 - **1**] - 21 July 1976: Meier, Florian: MHNG: 2 [2 - **2**] - 24 July 1976: Meier, Florian: MHNG: 1 [1 - **1**] - 29 July 1976: Meier, Florian: MHNG: 2 [2 - **2**] - 31 July 1976: Meier, Florian: MHNG: 1 [1 - **1**] - 1 August 1976: Meier, Florian: MHNG: 2 [2 - **2** - **16**].
Mangbwelu river: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].
Mani cave or Nkela cave: 1 January 2002: Kimbembi-ma-Ibaka, A.: RMCA: 3 [3 - **3** - **3**].
Manono: 1 November 1974: Gallagher, Michael D.: HZM: 2 [2 - **2** - **2**].
Manono Katanga: Collection Date Unknown: Torfs: RMCA: 2 [2 - **2** - **2**].
Marari: 13 June 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
Marion, lake: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].
Marumbi: 6 December 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Marungu: Collection Date Unknown: ?: Collector Unknown: NMZL: 2 [2]; Böhm, Richard: ZMB: 1 [1 - **3** - **3**].
Masaba: 27 September 1976: Tshinyenye: RMCA: 1 [1 - **1** - **1**].
Masako: Collection Date Unknown: Ifuta, Ndey B.: RMCA: 44 [44 - **44**] - 22 May 1986: Ifuta, Ndey B.: RMCA: 5 [5 - **5**] - 24 November 1987: Ifuta, Ndey B.: RMCA: 22 [22 - **22**] - 25 November 1987: Ifuta, Ndey B.: RMCA: 9 [9 - **9**] - 26 November 1987: Ifuta, Ndey B.: RMCA: 12 [12 - **12**] - 27 November 1987: Ifuta, Ndey B.: RMCA: 10 [10 - **10**] - 28 November 1987: Ifuta, Ndey B.: RMCA: 10 [10 - **10**] - 29 November 1987: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 30 November 1987: Ifuta, Ndey B.: RMCA: 17 [17 - **17**] - 16 December 1987: Ifuta, Ndey B.: RMCA: 15 [15 - **15**] - 17 December 1987: Ifuta, Ndey B.: RMCA: 11 [11 - **11**] - 18 December 1987: Ifuta, Ndey B.: RMCA: 12 [12 - **12**] - 19 December 1987: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 20 December 1987: Ifuta, Ndey B.: RMCA: 10 [10 - **10**] - 21 December 1987: Ifuta, Ndey B.: RMCA: 9 [9 - **9**] - 22 December 1987: Ifuta, Ndey B.: RMCA: 10 [10 - **10**] - 13 January 1988: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 15 January 1988: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 20 January 1988: Ifuta, Ndey B.: RMCA: 14 [14 - **14**] - 21 January 1988: Ifuta, Ndey B.: RMCA: 4 [4 - **4**] - 22 January 1988: Ifuta, Ndey B.: RMCA: 5 [5 - **5**] - 23 January 1988: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 24 January 1988: Ifuta, Ndey B.: RMCA: 4 [4 - **4**] - 25 January 1988: Ifuta, Ndey B.: RMCA: 5 [5 - **5**] - 26 January 1988: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 27 January 1988: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 30 January 1988: Ifuta, Ndey B.: RMCA: 7 [7 - **7**] - 21 February 1988: Ifuta, Ndey B.: RMCA: 15 [15 - **15**] - 23 March 1988: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 22 April 1988: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 23 May 1988: Bijnens, Luc: RMCA: 2 [2 - **2**] - 28 June 1988: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 26 August 1988: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 14 September 1988: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 15 September 1988: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 30 April 1989: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 1 May 1989: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 22 May 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 23 May 1989: Ifuta, Ndey B.: RMCA: 5 [5 - **5**] - 24 May 1989: Ifuta, Ndey B.: RMCA: 5 [5 - **5**] - 25 May 1989: Ifuta, Ndey B.: RMCA: 4 [4 - **4**] - 11 June 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 16 July 1989: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 11 August 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 25 August 1989: Ifuta, Ndey B.: RMCA: 4 [4 - **4**] - 26 August 1989: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 27 August 1989: Ifuta, Ndey B.: RMCA: 7 [7 - **7**] - 28 August 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 29 August 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 30 August 1989: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 14 September 1989: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 16 September 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 18 September 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 1 October 1989: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 21 November 1989: Ifuta, Ndey B.: RMCA: 7 [7 - **7**] - 24 November 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 28 November 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 12 December 1989: Ifuta, Ndey B.: RMCA: 4 [4 - **4**] - 17 December 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 19 December 1989: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 22 December 1989: Ifuta, Ndey B.: RMCA: 5 [5 - **5**] - 28 December 1989: Ifuta, Ndey B.: RMCA: 6 [6 - **6**] - 7 January 1990: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 21 January 1990: Ifuta, Ndey B.: RMCA: 8 [8 - **8**] - 24 January 1990: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 25 January 1990: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 26 January 1990: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 27 January 1990: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 28 January 1990: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 29 January 1990: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 10 February 1990: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 13 February 1990: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 14 February 1990: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 16 February 1990: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 17 February 1990: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 27 February 1990: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 28 February 1990: Ifuta, Ndey B.: RMCA: 4 [4 - **4**] - 17 March 1990: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 22 March 1990: Ifuta, Ndey B.: RMCA: 3 [3 - **3**] - 23 March 1990: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 25 March 1990: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 29 April 1990: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 27 October 1990: Ifuta, Ndey B.: RMCA: 1 [1 - **1**] - 30 October 1990: Ifuta, Ndey B.: RMCA: 2 [2 - **2**] - 10 June 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 3 [3 - **3**] - 11 June 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1**] - 12 June 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 2 [2 - **2**] - 13 June 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 9 [9 - **9** - **416**].
Masibingi: 7 March 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 20 March 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].
Masimengo: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2 - **2** - **2**].

Masombwe: Collection Date Unknown: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 20 September 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 10 October 1948: ?: Collector Unknown: RBINS: 15 [15 - **15**] - 12 October 1948: ?: Collector Unknown: RBINS: 3 [3]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **4**] - 19 October 1948: ?: Collector Unknown: RBINS: 5 [5 - **5**] - 24 December 1948: ?: Collector Unknown: RBINS: 1 [1 - **1** - **28**].

Matadi: Collection Date Unknown: Dartevelle: RMCA: 1 [1 - **1**] - 15 March 1987: Ntotoji: RMCA: 1 [1 - **1**] - 16 March 1987: Ntotoji: RMCA: 3 [3 - **3** - **5**].

Matale: Collection Date Unknown: Hautmann: RMCA: 1 [1 - **1** - **1**].

Matamba: 20 December 1983: Betu Nsankulu: RMCA: 6 [6 - **6** - **6**].

Matata Cave: 10 August 1947: Hiernaux, Jean: RBINS: 1 [1 - **1** - **1**].

Matupi Cave: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1]; Cambridge East Africa Expedition 1959, The: BMNH: 1 [1 - **2**] - 16 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 September 1951: Fain, Alexandre: RMCA: 2 [2 - **2**] - 4 August 1955: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 14 September 1959: Wright, A.E.; Cambridge Africa Expedition 1959, The: BMNH: 3 [3 - **3** - **9**].

Mauda: 26 February 1925: Schouteden, Henri: RMCA: 2 [2 - **2**] - 1 March 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 2 March 1925: Schouteden, Henri: RMCA: 1 [1 - **1**] - 16 March 1925: Schouteden, Henri: RMCA: 3 [3 - **3**] - 18 March 1925: Schouteden, Henri: RMCA: 2 [2 - **2**] - 21 March 1925: Schouteden, Henri: RMCA: 2 [2 - **2** - **11**].

Mawambi: 8 August 1913: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

May Ya Moto: 5 November 1934: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 5 April 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 15 April 1956: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **4**].

May ya Moto, sources chaudes: 22 August 1949: de Wilde, J.: RBINS: 1 [1 - **1** - **1**].

Mayumbe: Collection Date Unknown: ?: Collector Unknown: MNHN: 1, RBINS: 1, RMCA: 2 [4]; De Pauw: RMCA: 1 [1]; Gilson, Georges: RMCA: 2 [2 - **7** - **7**].

Mbalaka: 19 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 2, RMCA: 3 [5 - **5**] - 20 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1**] - 21 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 3 [4 - **4**] - 23 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 3 [4 - **4**] - 24 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 1 [1 - **1**] - 1 August 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 1 [1 - **1** - **16**].

Mbandaka: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Mbawu: 27 May 1979: Betu Nsankulu: RMCA: 3 [3 - **3** - **3**].

M'Baya cave: 25 March 1966: Misonne, Xavier: RMCA: 141 [141 - **141** - **141**].

Mbelekelo: 24 February 1965: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Mbiye, island: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 11 December 2013: ?: Collector Unknown: MNHN: 4 [4 - **4** - **7**].

Mboga: Collection Date Unknown: : BMNH: 6 [6]; de Walden, Howard: BMNH: 9 [9]; Hayman, Robert William: BMNH: 1 [1 - **16** - **16**].

Mbuji-Mayi: 3 November 1973: Western New Mexico University: FMNH: 1 [1 - **1**] - 27 December 1973: Western New Mexico University: FMNH: 2 [2 - **2** - **3**].

Mbuji-Mayi, 32 km SE: 25 February 1974: Western New Mexico University: FMNH: 3 [3 - **3** - **3**].

Mbuye-Bala river: 26 March 1948: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Mbwambala: 20 June 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 3 [3 - **3**] - 21 June 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 2 [3 - **3**] - 23 June 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 4 [4 - **4**] - 29 June 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 3 [4 - **4**] - 1 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 1 [1 - **1**] - 2 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1**] - 3 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 2 [2 - **2**] - 4 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 1 [2 - **2**] - 6 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1**] - 7 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): RMCA: 2 [2 - **2**] - 9 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1, RMCA: 1 [2 - **2**] - 11 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1**] - 19 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 1 [1 - **1** - **27**].

Medje: Collection Date Unknown: Christy, Cuthbert: BMNH: 2 [2 - **2**] - 2 May 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 14 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 15 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 16 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 18 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 19 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 20 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 21 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 22 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4 [4 - **4**] - 24 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 25 January 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 6 March 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 16 March 1910: ?: Collector Unknown: MCZ: 2 [2]; Lang, Herbert: FMNH: 2 [2]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 21 [21 - **25**] - 21 March 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 23 March 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 26 March 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 16 April 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 22 April 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, RMCA: 1 [2 - **2**] - 27 April 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5**] - 6 June 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 26 June 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 27 June 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2, RMCA: 1 [3 - **3**] - 3 August 1910: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2**] - 3 September 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 6 September 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 7 September 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5**] - 8 September 1910: ?: Collector Unknown: MCZ: 3 [3]; Lang, Herbert: FMNH: 2 [2]; Lang, Herbert; Chapin, James Paul; American Museum

Congo Expedition, The: AMNH: 39, BMNH: 1, RMCA: 2 [42 - **47**] - 12 September 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 14 September 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 15 September 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 16 September 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3, RMCA: 1 [4 - **4**] - 2 October 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 7 October 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 11 October 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 26 March 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 March 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 11 March 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 14 March 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 19 March 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 22 March 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 26 March 1914: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 4 April 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 7 April 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1, RMCA: 1 [2 - **2**] - 9 April 1914: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 25 April 1914: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 12 May 1914: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 20 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 22 May 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 17 June 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 25 August 1925: Schouteden, Henri: RMCA: 1 [1 - **1** - **155**].

Melume: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].

Menga: 25 January 1996: Swanepoel, Robert (Bob): TM: 2 [2 - **2** - **2**].

Meridi river: 20 April 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2** - **2**].

M'Gayu: 14 December 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1**] - 17 December 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: RMCA: 1 [1 - **1** - **2**].

Mikalaya: 22 December 1983: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].

Mikalaya mission: 22 December 1983: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].

Miki: 20 August 1954: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Mimbulu: 4 January 1956: D'Haenens: RMCA: 2 [2 - **2** - **2**].

Misotschi-Kabogo highlands: 28 February 2007: Plumptre, A.J.; Mulungu, E.A.: FMNH: 1 [1 - **1** - **1**].

Mistandunga: 23 July 1930: Chapin, James Paul: AMNH: 1 [1]; Edson, Franklin: AMNH: 2 [2 - **3** - **3**].

Misu: 3 August 1952: Fain, Alexandre: RMCA: 3 [3 - **3** - **3**].

Moanda: 18 August 1920: Schouteden, Henri: RMCA: 3 [3 - **3**] - 19 August 1920: Schouteden, Henri: RMCA: 1 [1 - **1**] - 21 August 1920: Schouteden, Henri: RMCA: 3 [3 - **3**] - 1 October 1920: Schouteden, Henri: RMCA: 1 [1 - **1** - **8**].

Moba: Collection Date Unknown: Bomans, H.: BMNH: 1 [1 - **1**] - 19 November 1953: Bomans, H.: BMNH: 1, RMCA: 1 [2 - **2**] - 26 November 1953: Bomans, H.: RMCA: 1 [1 - **1**] - 29 January 1954: Bomans, H.: RMCA: 1 [1 - **1**] - 6 February 1954: Bomans, H.: RMCA: 1 [1 - **1**] - 26 February 1954: Bomans, H.: RMCA: 1 [1 - **1**] - 23 April 1954: Bomans, H.: RMCA: 2 [2 - **2** - **9**].

Moenge: 15 May 2010: Gembu Tungaluna, Guy-Crispin: RMCA: 2 [2 - **2**] - 16 May 2010: Gembu Tungaluna, Guy-Crispin: RMCA: 1 [1 - **1** - **3**].

Moera: Collection Date Unknown: Grauer, Rudolf: NMW: 1 [1 - **1**] - 12 May 1921: Gyldenstolpe, Nils Carl Gustaf Fersen; Swiss Mission: RMCA: 1 [1 - **1** - **2**].

Moera's Village: 15 June 1924: Heller, Edmund: FMNH: 2 [2 - **2** - **2**].

Mogbwamu river: 8 July 1951: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2**] - 8 March 1952: de Saeger, H.: RMCA: 9 [9]; de Saeger, H.; *et al.*: RBINS: 10 [10 - **19** - **21**].

Moko river: 20 June 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

Molindi river: 1 May 1934: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Moliro: Collection Date Unknown: Lemaire, Charles: RMCA: 2 [2 - **2** - **2**].

Mondombe: 26 December 1952: Dupuis, L.: RMCA: 1 [1 - **1**] - 1 January 1953: Dupuis, L.: RMCA: 1 [1 - **1** - **2**].

Mongbwalu: Collection Date Unknown: Harford: RMCA: 4 [4]; Jordens: RMCA: 1 [1 - **5**] - 13 February 1934: Jordens: RMCA: 1 [1 - **1**] - 30 May 1939: Janssens: RMCA: 2 [2 - **2**] - 7 June 1939: Janssens: RMCA: 1 [1 - **1**] - 21 July 1939: Lepersonne: RMCA: 4 [4 - **4**] - 14 August 1939: Janssens: RMCA: 1 [1 - **1**] - 21 January 2011: ?: Collector Unknown: DNSM: 2 [2 - **2** - **16**].

Mongende: 11 April 1921: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Mont Ne: 25 September 1952: Fain, Alexandre: MHNG: 1 [1 - **1** - **1**].

Montembessa cave: 1 September 1969: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 November 1969: ?: Collector Unknown: MNHN: 2 [2 - **2** - **3**].

Morubia: 13 June 1951: de Saeger, H.: RMCA: 1 [1 - **1**] - 14 June 1951: de Saeger, H.: RMCA: 1 [1 - **1**] - 18 March 1952: de Saeger, H.: RMCA: 1 [1 - **1** - **3**].

Mosenge: 7 August 1986: WHO; Colyn, Marc: RMCA: 1 [1 - **1**] - 11 August 1986: WHO; Colyn, Marc: RMCA: 2 [2 - **2**] - 14 August 1986: WHO; Colyn, Marc: RMCA: 1 [1 - **1**] - 15 August 1986: WHO; Colyn, Marc: RMCA: 5 [5 - **5** - **9**].

Mount Hoyo: Collection Date Unknown: Cambridge East Africa Expedition 1959, The: BMNH: 5 [5 - **5**] - 12 August 1947: ?: Collector Unknown: RBINS: 1 [1]; Hiernaux, Jean: RBINS: 6 [6 - **7** - **12**].

Mount Hoyo caves: 17 August 1947: Hiernaux, Jean: RBINS: 1 [1 - **1**] - 4 May 1955: Schmitt, Waldo LaSalle; Baker, E.: USNM: 18 [18]; Smith, W.; Baker, E.: USNM: 4 [4 - **22**] - 19 September 1955: Chapin, James Paul: AMNH: 4 [4 - **4**] - 5 October 1957: Leech, Robin E.; Ross, Edward S.: CAS: 7 [7 - **7** - **34**].

Mount Sombwe: 22 May 1949: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Mount Tshiabirimu: 5 June 2004: Kaleme, Prince Kiswele: FMNH: 3 [3 - **3** - **3**].

Mount Wago: Collection Date Unknown: ?: Collector Unknown: RBINS: 3 [3]; Fain, Alexandre: BMNH: 9, RMCA: 6 [15 - **18**] - 1 December 1950: Fain, Alexandre: RMCA: 7 [7 - **7**] - 1 January 1951: Fain, Alexandre: RMCA: 21 [21 - **21**] - 1 July 1951: ?: Collector Unknown: RBINS: 1 [1]; Fain, Alexandre: RMCA: 5 [5 - **6**] - 1 November 1951: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 1 January 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 July 1952: Fain, Alexandre: RMCA: 5 [5 - **5**] - 29 July 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 August 1952: Fain, Alexandre: BMNH: 1 [1 - **1**] - 13 September 1952: Fain, Alexandre: RMCA: 10 [10 - **10**] - 16 September 1952: Fain, Alexandre: RMCA: 3 [3 - **3**] - 17 September

1952: ?: Collector Unknown: RBINS: 1 [1]; Fain, Alexandre: RMCA: 1 [1 - **2**] - 18 September 1952: ?: Collector Unknown: RBINS: 1 [1]; Fain, Alexandre: RMCA: 1 [1 - **2**] - 21 September 1952: Fain, Alexandre: RMCA: 1 [1 - **1**] - 23 September 1952: Fain, Alexandre: RMCA: 1 [1 - **1**] - 1 November 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 30 August 1953: Fain, Alexandre: MHNG: 1 [1 - **1** - **83**].

Mouth of Congo: 1 January 1892: Lewis, J.M.: BMNH: 1 [1 - **1** - **1**].

Mpala: Collection Date Unknown: ?: Collector Unknown: INPBC: 2, RBINS: 2 [4 - **4** - **4**].

M'Pala, Kazenze: 22 November 1949: Lefébure, R.P.: RBINS: 5 [5 - **5** - **5**].

Mpaza: 22 January 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 24 January 1952: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 6 [6 - **8** - **9**].

Mpe: Collection Date Unknown: Maes: RMCA: 2 [2 - **2** - **2**].

Mpopola cave: 2 May 1959: Anciaux de Faveaux, Félix / Michel: RMCA: 12 [12 - **12** - **12**].

Mt Hoyo: 10 August 1947: Hiernaux, Jean: RBINS: 1 [1 - **1** - **1**].

Mudina Ndemba: 18 March 1975: Betu Nsankulu: RMCA: 6 [6 - **6** - **6**].

Muezi Lupungu: 1 October 1914: de Baillet Latour: RMCA: 8 [8 - **8** - **8**].

Mufunga: 23 July 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Mugaba Cave: 19 July 1962: Elbl, A.: USNM: 2 [2 - **2** - **2**].

Mugeri: 25 July 2002: Huhndorf, Michael H.: FMNH: 6 [6 - **6** - **6**].

Mugongo: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2 - **2** - **2**].

Mugunga, Lake: Collection Date Unknown: de Witte, Gaston-François: RMCA: 3 [3]; de Witte, Gaston-François; *et al.*: RBINS: 2 [2 - **5** - **5**].

Muhulu: 15 January 1957: Stephan, Heinz: RMCA: 9 [9 - **9**] - 16 January 1957: Stephan, Heinz: RMCA: 1 [1 - **1** - **10**].

Mukishi: 1 December 1927: Becquet: RMCA: 1 [1 - **1**] - 29 December 1927: Becquet: RMCA: 1 [1 - **1** - **2**].

Mukulakulu: 22 September 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 49 [49 - **49** - **49**].

Mukuta: 16 October 1955: Lips, M.: RMCA: 8 [8 - **8** - **8**].

Mukwande river: Collection Date Unknown: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Mukwaya: 18 April 1979: Betu Nsankulu: RMCA: 1 [1 - **1**] - 20 May 1979: Betu Nsankulu: RMCA: 3 [3 - **3**] - 22 May 1979: Betu Nsankulu: RMCA: 1 [1 - **1** - **5**].

Mukween [= Mukwena]: 12 July 1956: Lips, M.: RMCA: 1 [1 - **1** - **1**].

Mulala: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Mule: 4 May 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 12 May 1970: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].

Mulolo: 15 March 1960: Rahm, Uwe: BMNH: 1 [1 - **1** - **1**].

Mulolo-Kisanga: 18 March 1960: Rahm, Uwe: BMNH: 1 [1 - **1** - **1**].

Mulong cave: 26 July 1962: Anciaux de Faveaux, Félix / Michel: SMF: 5 [5 - **5** - **5**].

Mulonga cave: 30 July 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 5, RMCA: 6 [11 - **11**] - 30 August 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 1 May 1959: Anciaux de Faveaux, Félix / Michel: RMCA: 5 [5 - **5** - **17**].

Mulongo: Collection Date Unknown: Gerard: RMCA: 4 [4 - **4**] - 28 October 1974: Gallagher, Michael D.: HZM: 46 [46 - **46**] - 30 October 1974: Gallagher, Michael D.: HZM: 1 [1 - **1**] - 31 October 1974: Gallagher, Michael D.: HZM: 1 [1 - **1** - **52**].

Mulungu: Collection Date Unknown: Hendricks, F.L.: RMCA: 11 [11 - **11**] - 1 June 1935: Leroy, J.V.: RMCA: 1 [1 - **1**] - 1 October 1946: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 12 February 1947: Hendricks, F.L.: RMCA: 1 [1 - **1**] - 1 January 1948: Hendricks, F.L.: RMCA: 4 [4 - **4**] - 8 October 1965: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **19**].

Mulungu Miti: 6 January 1947: Hendricks, F.L.: RMCA: 1 [1 - **1** - **1**].

Mulungwishi: Collection Date Unknown: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 10 January 1930: de Witte, Gaston-François: RMCA: 27 [27 - **27**] - 27 December 1959: ?: Collector Unknown: RBINS: 11 [11 - **11**] - 4 June 1960: ?: Collector Unknown: RBINS: 1 [1 - **1** - **40**].

Mulungwishi cave: 28 June 1956: Anciaux de Faveaux, Félix / Michel: MHNG: 1, RMCA: 5 [6 - **6** - **6**].

Mumba: 7 June 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Mumene: 27 December 1955: ?: Collector Unknown: SMF: 1 [1 - **1**] - 28 December 1955: ?: Collector Unknown: BMNH: 1, SMF: 1 [2]; Hygiene Services of the Congo, The: BMNH: 2 [2]; Lips, M.: RMCA: 5 [5 - **9** - **10**].

Munga: 22 April 1978: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].

Mungamba: 17 January 1982: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].

Munoi: 14 June 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 14 April 1948: de Witte, Gaston-François: RBINS: 1 [1 - **1**] - 18 June 1948: Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **1** - **3**].

Munoi confluence: 2 June 1948: de Witte, Gaston-François; *et al.*: RBINS: 3 [3 - **3** - **3**].

Mura pumping station: 20 October 1963: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **2**].

Muradingusha: Collection Date Unknown: Royal Museum of Central Africa (RMCA), The: BMNH: 4 [4 - **4** - **4**].

Murambi: Collection Date Unknown: ?: Collector Unknown: INPBC: 18 [18 - **18**] - 23 May 1949: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 27 August 1953: de Witte, Gaston-François: RMCA: 6 [6 - **6**] - 21 September 1953: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 30 September 1953: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 25 August 1955: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 27 March 1959: Rahm, Uwe: RMCA: 1 [1 - **1** - **32**].

Musanze-Djomba: Collection Date Unknown: ?: Collector Unknown: INPBC: 9 [9 - **9** - **9**].

Musenge: 1 May 1992: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2**] - 2 May 1992: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2**] - 3 May 1992: Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1**] - 6 May 1992: Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **7**].

Musenge village: 23 March 1924: Heller, Edmund: FMNH: 1 [1 - **1**] - 24 March 1924: Heller, Edmund: FMNH: 1 [1 - **1**] - 27 October 1954: Leleup, Narcisse: RMCA: 4 [4 - **4** - **6**].

Museya: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 23 September 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **2**].

Mushie: 1 January 1931: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].

Musingi: 1 January 1972: Guissart, André: RMCA: 10 [10 - **10** - **10**].

Musisi Swamp area: 21 July 2005: Project Beatra: FMNH: 1 [1 - **1** - **1**].

Musonge: Collection Date Unknown: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 December 1955: ?: Collector Unknown: BMNH: 1 [1]; Lips, M.: RMCA: 1 [1 - **2**] - 29 December 1955: Lips, M.: RMCA: 1 [1 - **1** - **4**].

Musosa, near: 1 June 1940: ?: Collector Unknown: RBINS: 3 [3]; Bredo, H.J.: RBINS: 1 [1 - **4**] - 1 January 1941: ?: Collector Unknown: RBINS: 1 [1]; Bredo, H.J.: RBINS: 2 [2 - **3**] - 1 May 1941: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 1 June 1943: ?: Collector Unknown: RBINS: 1 [1]; Bredo, H.J.: RBINS: 1 [1 - **2**] - 6 July 1944: Bredo, H.J.: RBINS: 1 [1 - **1** - **12**].

Musugeriza river: Collection Date Unknown: ?: Collector Unknown: INPBC: 7 [7 - **7** - **7**].
Mutembu Kaniki Kapangu: 12 March 1966: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].
Mutsora: Collection Date Unknown: ?: Collector Unknown: INPBC: 11 [11 - **11**] - 30 December 1946: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 20 February 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 13 August 1949: de Witte, Gaston-François: RBINS: 1 [1 - **1**] - 27 September 1949: de Wilde, J.: RBINS: 1 [1 - **1**] - 4 November 1949: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 4 April 1951: Christiaens, R.: RBINS: 1 [1 - **1**] - 16 June 1951: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 3 July 1951: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 14 May 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 11 July 1952: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 19 November 1952: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 15 December 1952: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 11 December 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 13 February 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 2 August 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 4 August 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 1 September 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 7 January 1955: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **30**].
Mutsora Station: 11 April 1950: de Wilde, J.: RBINS: 1 [1 - **1** - **1**].
Mutwanga: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1]; Van Hoof: RMCA: 1 [1 - **2**] - 1 January 1937: Hackars, Henri Martin: RMCA: 2 [2 - **2**] - 1 August 1937: Hackars, Henri Martin: RMCA: 1 [1 - **1**] - 1 September 1937: Hackars, Henri Martin: RMCA: 2 [2 - **2**] - 1 November 1937: Hackars, Henri Martin: RMCA: 1 [1 - **1**] - 15 July 1946: de Wilde, J.: RBINS: 1 [1 - **1**] - 8 November 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **10**].
Muvo, mount: Collection Date Unknown: ?: Collector Unknown: INPBC: 5 [5 - **5** - **5**].
Muvule, cave 4 km from: 8 October 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 6 [6 - **6**] - 9 October 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 3 [3 - **3** - **9**].
Muyrimbo: Collection Date Unknown: ?: Collector Unknown: INPBC: 35 [35 - **35** - **35**].
Mvuazi: 1 September 1942: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].
Mwadingusha: 16 July 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 4, RMCA: 16 [20 - **20**] - 18 December 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 5 [5 - **5**] - 20 May 1959: Anciaux de Faveaux, Félix / Michel: RMCA: 2 [2 - **2** - **27**].
Mwanakusu: 17 September 1959: Segers; Benoit Mission: RMCA: 4 [4 - **4** - **4**].
Mwanakusu cave: 24 October 1954: Leleup, Narcisse: RMCA: 6 [6 - **6**] - 24 December 1954: Leleup, Narcisse: RMCA: 6 [6 - **6**] - 23 August 1959: Segers; Benoit Mission: RMCA: 1 [1 - **1**] - 28 August 1959: Segers; Benoit Mission: RMCA: 2 [2 - **2**] - 1 September 1959: Benoit: RMCA: 1 [1 - **1** - **16**].
Mwanda: 12 March 1959: Rahm, Uwe: RMCA: 3 [3 - **3** - **3**].
Mwanga cave: 28 June 1964: Anciaux de Faveaux, Félix / Michel: RMCA: 5 [5 - **5**] - 30 June 1964: Anciaux de Faveaux, Félix / Michel: RMCA: 7 [7 - **7** - **12**].
Mwebe bridge: 24 January 1996: Swanepoel, Robert (Bob): TM: 4 [4 - **4** - **4**].
Mweka Kasai: 1 January 1930: Heusgens: RMCA: 2 [2 - **2** - **2**].
Mwela-Panda cave: 11 November 1959: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1**] - 5 December 1959: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 6 December 1959: ?: Collector Unknown: RBINS: 10 [10 - **10** - **12**].
Mwenda-Katuka piste: 4 January 1946: ?: Collector Unknown: RBINS: 5 [5]; de Wilde, J.: RBINS: 16 [16 - **21** - **21**].
Mwenga: 29 November 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Mwenge: 4 February 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 5 February 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 8 February 1967: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **3**].
Mwera: Collection Date Unknown: de Caters, Th.: RMCA: 1 [1 - **1** - **1**].
Mwiga: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3** - **3**].
Nadegbe river: 10 March 1952: de Saeger, H.: RMCA: 2 [2 - **2** - **2**].
Nagbarama: 17 April 1950: de Saeger, H.: RMCA: 2 [2 - **2** - **2**].
Nagero: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 4 May 1951: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 4 [4 - **6**] - 27 December 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 24 March 1952: de Saeger, H.: RMCA: 4 [4 - **4**] - 26 March 1952: de Saeger, H.: RMCA: 1 [1 - **1**] - 1 December 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 31 December 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 11 March 1954: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 4 June 1954: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 22 July 1954: ?: Collector Unknown: RBINS: 1 [1 - **1** - **18**].
Nakilubo: 24 October 1955: Lips, M.: RMCA: 1 [1 - **1**] - 14 November 1955: Lips, M.: RMCA: 3 [3 - **3** - **4**].
Nakpanga: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 18 April 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **3** - **4**].
Nakpanga river: 18 April 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
Nambiliki / Dungu: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2 - **2**] - 18 August 1950: de Saeger, H.: RMCA: 36 [36]; de Saeger, H.; *et al.*: RBINS: 11 [11 - **47** - **49**].
Nampume: 6 March 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].
Nampune: 6 March 1952: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].
Nasosurro River: Collection Date Unknown: Babault, Guy: MNHN: 1 [1 - **1** - **1**].
Ndama: 21 July 1954: de Wilde, C.F.: RBINS: 1 [1 - **1** - **1**].
Ndelele: 3 December 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 8 February 1952: de Saeger, H.: RMCA: 9 [9]; de Saeger, H.; *et al.*: RBINS: 9 [9 - **18**] - 2 March 1952: de Saeger, H.: RMCA: 1 [1 - **1**] - 3 March 1952: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3**] - 8 March 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 11 March 1952: de Saeger, H.: RMCA: 5 [5]; de Saeger, H.; *et al.*: RBINS: 6 [6 - **11**] - 13 March 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 19 June 1952: de Saeger, H.: RMCA: 1 [1 - **1**] - 31 July 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 19 November 1952: de Saeger, H.; *et al.*: RBINS: 4 [4 - **4** - **42**].
Ndemba: 28 March 1977: Betu Nsankulu: RMCA: 2 [2 - **2** - **2**].
Ndjili: 19 March 1993: Tshinyenye: RMCA: 1 [1 - **1**] - 22 March 1993: Tshinyenye: RMCA: 1 [1 - **1**] - 4 April 1993: Tshinyenye: RMCA: 7 [7 - **7**] - 15 April 1993: Tshinyenye: RMCA: 1 [1 - **1** - **10**].
Ndomo: 16 March 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 18 March 1971: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **2**].
Ndote: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2 - **2** - **2**].
Ndotwe: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2 - **2** - **2**].
Ndwa: Collection Date Unknown: Ngwe: RMCA: 2 [2 - **2**] - 1 January 1938: Ngwe: RMCA: 1 [1 - **1**] - 1 October 1950: Ngwe: RMCA: 3 [3 - **3** - **6**].
Né, mount: Collection Date Unknown: Fain, Alexandre: BMNH: 1 [1 - **1**] - 1 January 1950: Fain, Alexandre: RMCA: 1 [1 - **1**] - 1 June 1951: Fain, Alexandre: RMCA: 1 [1 - **1**] - 29 August 1952: Fain, Alexandre: RMCA: 1 [1 - **1**] - 30 August 1952: Fain,

Alexandre: RMCA: 2 [2 - **2**] - 25 September 1952: Fain, Alexandre: BMNH: 1, RMCA: 1 [2 - **2**] - 29 September 1952: ?: Collector Unknown: RBINS: 1 [1 - **1** - **9**].

Nepoko Bomili: Collection Date Unknown: Henrion, M.: RMCA: 2 [2 - **2**] - 1 January 1946: Henrion, M.: RMCA: 1 [1 - **1** - **3**].

Netonna: 1 April 1800: Hesse, P.: SMF: 7 [7 - **7**] - 1 January 1889: Hesse, P.: SMF: 2 [2 - **2**] - 8 June 1890: Hesse, P.: SMF: 1 [1 - **1** - **10**].

New Beni: 1 October 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 5 [5 - **5**] - 25 October 1926: Chapin, James Paul: AMNH: 1 [1 - **1** - **6**].

Ngamaye: 17 June 1957: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Nganza rivier: 27 May 1966: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 19 September 1983: Betu Nsankulu: RMCA: 2 [2 - **2** - **3**].

Ngayu: 17 December 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3** - **3**].

N'Gayu area: 14 December 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 17 December 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 18 December 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5** - **11**].

Ngerere Lepi: 5 January 1943: de Wilde, J.: RBINS: 4 [4 - **4**] - 6 January 1943: de Wilde, J.: RBINS: 2 [2 - **2** - **6**].

Ngeze Kidoko: 26 September 1953: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Ngokai: 21 March 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

N'Goma: 1 January 1925: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

N'Gombe: Collection Date Unknown: Schouteden, Henri: RMCA: 1 [1 - **1**] - 1 January 1921: Schouteden, Henri: RMCA: 2 [2 - **2**] - 9 November 1921: Schouteden, Henri: RMCA: 7 [7 - **7**] - 10 November 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 12 November 1921: Schouteden, Henri: RMCA: 2 [2 - **2** - **13**].

Ngula: 1 March 1977: Tshinyenye: RMCA: 2 [2 - **2**] - 5 March 1977: Tshinyenye: RMCA: 1 [1 - **1**] - 6 March 1977: Tshinyenye: RMCA: 5 [5 - **5**] - 8 March 1977: Tshinyenye: RMCA: 6 [6 - **6**] - 11 March 1977: Tshinyenye: RMCA: 1 [1 - **1**] - 12 March 1977: Tshinyenye: RMCA: 1 [1 - **1** - **16**].

Ngwiro: 22 November 1956: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Niambasha: Collection Date Unknown: Rahm, Uwe: RMCA: 1 [1 - **1**] - 1 August 1956: Rahm, Uwe: RMCA: 1 [1 - **1**] - 30 January 1959: Rahm, Uwe: RMCA: 4 [4 - **4** - **6**].

Niam-Niam: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 17 June 1884: Bohndorff: RBINS: 3 [3 - **3** - **4**].

Niangara: 7 October 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 11 November 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 14 November 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 6, RMCA: 1 [7 - **7**] - 16 November 1910: Lang, Herbert: FMNH: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3, FMNH: 1, RMCA: 1 [5 - **6**] - 18 November 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 19 November 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 20 November 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 25 November 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 26 November 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 3 December 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 6 December 1910: Lang, Herbert: FMNH: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **4**] - 10 December 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 12 December 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 9, FMNH: 2 [11 - **11**] - 16 December 1910: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2**] - 26 December 1910: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 7 [7 - **8**] - 27 December 1910: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 27 March 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 27 May 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **3**] - 31 May 1913: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **2**] - 2 June 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 20 June 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 29 February 1948: Weber, Neal A.: AMNH: 2 [2 - **2** - **66**].

Niapu: 2 December 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 4 December 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 27 January 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 9 [9 - **9**] - 28 January 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 27 February 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: MCZ: 1 [1 - **1** - **15**].

Niarembe: 1 June 1925: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Nioka: 19 May 1953: Hecq, Célestin: RMCA: 1 [1 - **1** - **1**].

Nionga: 3 May 1925: de Witte, Gaston-François: RMCA: 4 [4 - **4** - **4**].

Nkene: 6 May 1959: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Nkiene: 28 September 1980: Tshinyenye: RMCA: 6 [6 - **6**] - 29 September 1980: Tshinyenye: RMCA: 1 [1 - **1**] - 30 September 1980: Tshinyenye: RMCA: 5 [5 - **5** - **12**].

Nord Kivu province: Collection Date Unknown: Celis, M.J.; Lejeune, M.: RMCA: 1 [1 - **1** - **1**].

Nshamba: 13 December 1969: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Nsiana: 1 January 1927: Cadgepole: MCZ: 1 [1 - **1** - **1**].

N'soro: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].

Ntoto cave: 1 January 2002: Kimbembi-ma-Ibaka, A.: RMCA: 1 [1 - **1** - **1**].

Nyabikere: Collection Date Unknown: ?: Collector Unknown: INPBC: 40 [40 - **40**] - 1 November 1953: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 1 February 1954: de Witte, Gaston-François: RMCA: 10 [10 - **10**] - 18 August 1954: de Witte, Gaston-François: RMCA: 14 [14 - **14**] - 7 February 1955: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 30 August 1955: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **69**].

Nyabiondo: 27 December 1990: Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1**] - 28 December 1990: Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2**] - 29 December 1990: Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko: ZMA: 1 [1 - **1**] - 30 December 1990: Lubula Bulambo, J.P.; Kamitongo, Ngenge

Masumbuko: ZMA: 3 [3 - **3**] - 1 January 1991: Lubula Bulambo, J.P.; Kamitongo, Ngenge Masumbuko: ZMA: 2 [2 - **2** - **9**].

Nyabitembe river: Collection Date Unknown: ?: Collector Unknown: INPBC: 6 [6 - **6**] - 9 April 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **7**].

Nyakaliba: 10 February 1954: de Witte, Gaston-François: RBINS: 1 [1 - **1** - **1**].

Nyakariba river: 10 February 1954: de Witte, Gaston-François: RMCA: 4 [4 - **4** - **4**].

Nyamunyunye: 1 January 1951: Hendricks, F.L.: RMCA: 3 [3 - **3** - **3**].

Nyangwe: 6 April 1920: Ghesquière, J.: RMCA: 1 [1 - **1** - **1**].

Nyankunde: 16 August 1976: Meier, Florian: MHNG: 3 [3 - **3**] - 18 August 1976: Meier, Florian: MHNG: 1 [1 - **1** - **4**].

Nyarusambo: 7 January 1947: Van Cools, G.: RBINS: 3 [3 - **3** - **3**].

Nzulu: Collection Date Unknown: de Witte, Gaston-François; *et al.*: RBINS: 2 [2 - **2** - **2**].

N'Zulu: Collection Date Unknown: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Obenge: 4 February 2013: Musaba Akawa, Prescott; Malekani, André: UNIKIS: 1 [1 - **1**] - 5 February 2013: Musaba Akawa, Prescott; Malekani, André: UNIKIS: 13 [13 - **13**] - 6 February 2013: Musaba Akawa, Prescott; Malekani, André: UNIKIS: 7 [7 - **7**] - 7 February 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 1 [1]; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 21 [21 - **22**] - 8 February 2013: Musaba Akawa, Prescott; Malekani, André: UNIKIS: 7 [7 - **7** - **50**].

Ogondjo: 24 April 1942: Vrijdagh, J.M.: RMCA: 1 [1 - **1** - **1**].

Old Kalonge: 1 February 1925: Heller, Edmund: FMNH: 1 [1 - **1**] - 2 February 1925: Heller, Edmund: FMNH: 1 [1 - **1**] - 3 February 1925: Heller, Edmund: FMNH: 2 [2 - **2**] - 4 February 1925: Heller, Edmund: FMNH: 2 [2 - **2**] - 5 February 1925: Heller, Edmund: USNM: 1 [1 - **1**] - 8 February 1925: Heller, Edmund: FMNH: 2 [2 - **2** - **9**].

Omaniumdu: 5 July 1959: Laurent: RMCA: 1 [1 - **1**] - 27 July 1959: Laurent: RMCA: 3 [3 - **3** - **4**].

Ondo, lake: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3** - **3**].

Orientale: 13 December 1911: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Oshwe: Collection Date Unknown: Maes: RMCA: 16 [16 - **16** - **16**].

Oso river: 1 January 1957: Anciaux de Faveaux, Félix / Michel: SMF: 2 [2 - **2** - **2**].

Panda: 15 December 1955: De Smet: RMCA: 1 [1 - **1**] - 28 January 1956: De Smet: RMCA: 1 [1 - **1**] - 15 November 1962: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 18 November 1962: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 22 December 1963: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **5**].

Panda Camp: 1 April 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Pande: Collection Date Unknown: Romieux, Jean: MHNG: 1 [1 - **1** - **1**].

Pandé, forest N of: 11 October 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 19 [19 - **19** - **19**].

Panga: 18 September 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 December 1914: Bequaert, J.: RMCA: 1 [1 - **1**] - 1 September 1925: Schouteden, Henri: RMCA: 17 [17 - **17** - **19**].

Pania-Mutombo: 20 June 1934: Pierrepont, R.S.: MCZ: 1 [1 - **1** - **1**].

Paoni [=Pahoni]: 5 August 1976: Meier, Florian: MHNG: 1 [1 - **1**] - 6 August 1976: Meier, Florian: MHNG: 3 [3 - **3** - **4**].

Parc National de Garamba: 25 January 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 30 June 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 23 July 1951: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 29 July 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 15 January 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 4 February 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 7 February 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 2 April 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 7 April 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 8 May 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 22 May 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 28 May 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2**] - 3 October 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **16**].

Paulis: 1 January 1947: Abbeloos: RMCA: 5 [5 - **5**] - 28 April 1947: Abbeloos: RMCA: 2 [2 - **2**] - 1 November 1947: Abbeloos: RMCA: 1 [1 - **1**] - 1 May 1949: Abbeloos: RMCA: 1 [1 - **1**] - 1 January 1950: Abbeloos: RMCA: 1 [1 - **1**] - 5 January 1950: Abbeloos: RMCA: 1 [1 - **1**] - 10 December 1950: Abbeloos: RMCA: 2 [2 - **2**] - 4 May 1951: Abbeloos: RMCA: 1 [1 - **1** - **14**].

Pawa: Collection Date Unknown: Degotte: RMCA: 3 [3]; Dubois, Albert: RMCA: 1 [1]; Reitter: RMCA: 3 [3 - **7**] - 1 January 1931: Radna: RMCA: 1 [1 - **1**] - 31 December 1936: Degotte: RMCA: 2 [2 - **2**] - 8 November 1938: Degotte: RMCA: 1 [1 - **1** - **11**].

Pelenge, gorges: 4 April 1947: de Witte, Gaston-François: RBINS: 1 [1 - **1**] - 1 June 1947: ?: Collector Unknown: RBINS: 4 [4]; Institut des Parcs nationaux du Congo belge, l': RBINS: 1 [1 - **5**] - 4 June 1947: ?: Collector Unknown: RBINS: 4 [4]; de Witte, Gaston-François: RBINS: 1 [1 - **5** - **11**].

Pempere cave: 19 June 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 13 [13 - **13**] - 20 October 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 26 [26 - **26**] - 21 April 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 11 June 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 4, SMF: 4 [8 - **8**] - 25 August 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **49**].

Pempéré cave: 19 June 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 5 [5 - **5**] - 20 October 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 2 [2 - **2**] - 25 August 1962: ?: Collector Unknown: RBINS: 1 [1 - **1** - **8**].

Penge: 21 April 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

PFNK.15: 7 February 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 1 [1 - **2** - **2**].

PFNK.16: 7 February 1952: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].

PFSK 8: 15 March 1952: de Saeger, H.: RMCA: 2 [2 - **2**] - 25 March 1952: de Saeger, H.: RMCA: 3 [3 - **3** - **5**].

PFSK.17: 26 March 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

PFSK.20: 16 June 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].

PFSK.8: 25 March 1952: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3** - **3**].

Pidigala Nord river: 23 April 1952: de Saeger, H.; *et al.*: RBINS: 6 [6 - **6**] - 24 April 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **8**].

Pidigala river: 23 April 1952: de Saeger, H.: RMCA: 2 [2]; de Saeger, H.; *et al.*: RBINS: 11 [11 - **13**] - 24 April 1952: de Saeger, H.: RMCA: 1 [1 - **1** - **14**].

Pierkat quarry: 12 March 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 51 [51 - **51**] - 18 March 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 14 May 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **53**].

Pili Pili: 16 December 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 19 December 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 19 December 1913: Christy, Cuthbert: RMCA: 1 [1 - **1** - **3**].

Pimpin cave: Collection Date Unknown: Royal Museum of Central Africa (RMCA), The: BMNH: 2 [2 - **2** - **2**].

PNFK.16: 7 February 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

Poko: Collection Date Unknown: Christy, Cuthbert: BMNH: 2 [2 - **2**] - 1 August 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 22 August 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 30 August 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 25 February 1914: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 17 June 1914: Christy, Cuthbert: RMCA: 2 [2 - **2**] - 24 June 1914: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 1 July 1914: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 12 July 1914: Christy, Cuthbert: RMCA: 2 [2 - **2**] - 16 July 1914: Christy, Cuthbert: BMNH: 1 [1 - **1**] - 17 July 1914: Christy, Cuthbert: RMCA: 4 [4 - **4**] - 21 July 1914: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 23 July 1914: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 2 August 1914: Christy, Cuthbert: RMCA: 1 [1 - **1** - **21**].

Poko zone: 30 August 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Popokabaka: 1 November 1955: Close, René: RMCA: 1 [1 - **1** - **1**].

PPK.10: 2 August 1952: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3** - **3**].

PPK.51: 2 April 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

PPK.78: 18 March 1952: de Saeger, H.: RMCA: 3 [3 - **3** - **3**].

Pweto: Collection Date Unknown: Gerard: RMCA: 2 [2 - **2** - **2**].

Quatorze: 15 June 2012: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 23 June 2013: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 25 June 2013: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 27 June 2013: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 28 June 2013: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 29 June 2013: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4**] - 30 June 2013: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 1 July 2013: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 2 July 2013: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **17**].

Rambira: 16 December 1959: Rahm, Uwe: RMCA: 1 [1 - **1** - **1**].

Rethy: 20 October 2015: Laudisoit, Anne; *et al.*: UNIKIS: 2 [2 - **2**] - 22 October 2015: Laudisoit, Anne; *et al.*: UNIKIS: 1 [1 - **1**] - 23 October 2015: Laudisoit, Anne; *et al.*: UNIKIS: 5 [5 - **5** - **8**].

Risimu zone: 9 September 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **1**].

Rodahira: Collection Date Unknown: ?: Collector Unknown: INPBC: 13 [13 - **13**] - 28 October 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 16 July 1954: de Witte, Gaston-François: RMCA: 6 [6 - **6**] - 5 August 1955: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **22**].

Ruanoli-Mavea confluence: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2]; Verschuren, Jacques: INPBC: 4 [4 - **6** - **6**].

Rubi-Tele: 17 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 19 [19 - **19**] - 18 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 5 [5 - **5**] - 19 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 11 [11 - **11**] - 20 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 15 [15 - **15**] - 21 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 2 [2 - **2**] - 22 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 10 [10 - **10**] - 23 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 9 [9 - **9**] - 24 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 8 [8 - **8**] - 25 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 5 [5 - **5**] - 26 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 9 [9 - **9**] - 27 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 6 [6 - **6**] - 28 August 2013: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 3 [3 - **3** - **102**].

Rumangabo: Collection Date Unknown: ?: Collector Unknown: INPBC: 8 [8 - **8** - **8**].

Rumanura river: Collection Date Unknown: ?: Collector Unknown: INPBC: 7 [7 - **7**] - 30 April 1954: de Witte, Gaston-François: RMCA: 5 [5 - **5**] - 3 December 1954: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **14**].

Rumoka: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Rungu: 28 July 1913: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 August 1925: Schouteden, Henri: RMCA: 1 [1 - **1** - **2**].

Rusenyi river: 22 September 1953: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 10 March 1954: de Witte, Gaston-François: RMCA: 7 [7 - **7** - **9**].

Rutshuru: Collection Date Unknown: ?: Collector Unknown: INPBC: 462, RBINS: 1 [463]; de Witte, Gaston-François: RMCA: 2 [2]; de Witte, Gaston-François; *et al.*: RBINS: 1 [1]; Grauer, Rudolf: NMW: 1 [1]; Verschuren, Jacques: INPBC: 3 [3 - **470**] - 30 July 1925: Heller, Edmund: FMNH: 1 [1 - **1**] - 31 July 1925: Heller, Edmund: FMNH: 1 [1 - **1**] - 1 August 1925: Heller, Edmund: FMNH: 2 [2 - **2**] - 3 August 1925: Heller, Edmund: FMNH: 3 [3 - **3**] - 9 August 1925: Heller, Edmund: FMNH: 2 [2 - **2**] - 23 August 1925: Heller, Edmund: FMNH: 1 [1 - **1**] - 30 August 1925: Heller, Edmund: FMNH: 2 [2 - **2**] - 26 April 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 24 February 1927: Linder, David H.: MCZ: 2 [2 - **2**] - 25 February 1927: Linder, David H.: MCZ: 1 [1 - **1**] - 1 April 1927: Linder, David H.: MCZ: 1 [1 - **1**] - 14 April 1927: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 23 May 1927: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 1 June 1935: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 16 January 1937: Ghesquière, J.: RMCA: 1 [1 - **1**] - 1 March 1937: Ghesquière, J.: RMCA: 1 [1 - **1**] - 24 March 1937: Ghesquière, J.: RMCA: 1 [1 - **1**] - 30 March 1937: Ghesquière, J.: RMCA: 1 [1 - **1**] - 1 May 1937: Ghesquière, J.: RMCA: 1 [1 - **1**] - 1 July 1937: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 3 January 1938: Ghesquière, J.: RMCA: 1 [1 - **1**] - 6 January 1938: Ghesquière, J.: RMCA: 1 [1 - **1**] - 8 January 1938: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 10 January 1938: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 20 January 1938: Ghesquière, J.: RMCA: 1 [1 - **1**] - 25 January 1938: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 February 1938: Ghesquière, J.: RMCA: 1 [1 - **1**] - 24 February 1938: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 26 February 1938: Ghesquière, J.: RMCA: 1 [1 - **1**] - 1 March 1938: Frechkop, Serge: RMCA: 1 [1]; Ghesquière, J.: RMCA: 1 [1 - **2**] - 3 March 1938: Ghesquière, J.: RMCA: 1 [1 - **1**] - 4 March 1938: Ghesquière, J.: RMCA: 2 [2 - **2**] - 5 March 1938: Ghesquière, J.: RMCA: 1 [1 - **1**] - 10 March 1938: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 24 March 1938: Ghesquière, J.: RMCA: 2 [2 - **2**] - 31 March 1938: Frechkop, Serge: RMCA: 1 [1 - **1**] - 30 April 1938: Frechkop, Serge: RBINS: 1 [1 - **1**] - 29 May 1938: Frechkop, Serge: RMCA: 1 [1 - **1**] - 31 May 1938: Frechkop, Serge: RMCA: 1 [1 - **1**] - 11 May 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 16 September 1953: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 20 January 1954: de Witte, Gaston-François: RMCA: 9 [9 - **9**] - 9 February 1954: de Witte, Gaston-François: RMCA: 6 [6 - **6**] - 27 March 1954: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 22 April 1954: de Witte, Gaston-François: RMCA: 4 [4 - **4**] - 30 August 1954: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 27

May 1955: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 19 September 1955: de Witte, Gaston-François: RMCA: 1 [1 - **1**] - 5 December 1955: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **548**].

Ruvara: 2 April 1950: de Wilde, J.: RBINS: 1 [1 - **1** - **1**].

Ruwenzori: Collection Date Unknown: Grauer, Rudolf; Rolle, Hermann: ZMB: 1 [1 - **1** - **1**].

Ruwenzori, foothills: 1 January 1925: Hackars, Henri Martin: RMCA: 1 [1 - **1** - **1**].

Rwere Rwindi: Collection Date Unknown: ?: Collector Unknown: INPBC: 3 [3 - **3** - **3**].

Rwindi: Collection Date Unknown: ?: Collector Unknown: INPBC: 50 [50]; Verschuren, Jacques: INPBC: 1 [1 - **51**] - 1 November 1934: de Witte, Gaston-François: RMCA: 2 [2 - **2**] - 2 September 1976: Meier, Florian: MHNG: 1 [1 - **1** - **54**].

Sabe: 21 November 1953: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Sacred Heart mission: 2 August 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 40, RMCA: 41 [81 - **81** - **81**].

Saga Saga, cave: 10 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 16 July 1955: de Witte, Gaston-François: RMCA: 2 [2 - **2** - **3**].

Sakania: Collection Date Unknown: Coulon: RMCA: 1 [1]; De Smet: RMCA: 10 [10]; Royal Museum of Central Africa (RMCA), The: BMNH: 3 [3 - **14**] - 7 March 1948: Hutsebaut, Jozef: RMCA: 1 [1 - **1** - **15**].

Sakania mission: 19 October 1930: De Riemaecker, J.: RMCA: 1 [1 - **1** - **1**].

Saliboko: Collection Date Unknown: Fain, Alexandre: BMNH: 1 [1 - **1**] - 5 August 1952: Fain, Alexandre: RMCA: 1 [1 - **1**] - 22 September 1952: ?: Collector Unknown: RBINS: 1 [1]; Fain, Alexandre: RMCA: 4 [4 - **5** - **7**].

Salomoni cave: 11 June 1960: ?: Collector Unknown: RBINS: 5 [5 - **5**] - 28 June 1960: ?: Collector Unknown: RBINS: 4 [4 - **4**] - 20 May 1961: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 20 May 1962: ?: Collector Unknown: RBINS: 1 [1 - **1** - **12**].

Samboko river: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Sange: 13 May 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 8 [8 - **8**] - 14 May 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 9 [9 - **9**] - 15 May 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 11 [11 - **11** - **28**].

Sankuru: 1 January 1952: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1** - **1**].

Sciere Forest: 24 November 1974: Gallagher, Michael D.: HZM: 3 [3 - **3** - **3**].

Scierie Forest: 14 November 1974: Gallagher, Michael D.: BMNH: 1 [1 - **1**] - 22 November 1974: Gallagher, Michael D.: HZM: 2 [2 - **2** - **3**].

Semliki River, banks: 1 August 1932: Hackars, Henri Martin; Marlier, Georges: RMCA: 1 [1 - **1** - **1**].

Semmio: Collection Date Unknown: Bohndorff: ZMB: 3 [3 - **3**] - 28 February 1883: Bohndorff: RMNH: 1 [1 - **1**] - 1 January 1884: Bohndorff: RMNH: 1 [1 - **1** - **5**].

Senga: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1** - **1**].

Shabunda: Collection Date Unknown: Braun: RMCA: 5 [5]; Rahm, Uwe: BMNH: 1 [1 - **6**] - 16 August 1952: Vercammen, P.G.: RMCA: 2 [2 - **2** - **8**].

Shindaika: 27 September 1955: Lips, M.: RMCA: 4 [4 - **4** - **4**].

Shinkolobwe: 2 August 1960: Anciaux de Faveaux, Félix / Michel: RBINS: 3, SMF: 2 [5 - **5** - **5**].

Sinda river: Collection Date Unknown: Verschuren, Jacques: INPBC: 3 [3 - **3** - **3**].

Sombe: Collection Date Unknown: Lademann: ZMB: 1 [1 - **1** - **1**].

Soudan river: 20 May 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **2**].

St Gerard mission: 18 October 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 4, SMF: 1 [5 - **5**] - 8 September 1962: Anciaux de Faveaux, Félix / Michel: SMF: 1 [1 - **1** - **6**].

St Joseph de Luluabourg mission: 20 July 1922: Callewaert, Richard: RMCA: 1 [1 - **1**] - 15 February 1923: Callewaert, Richard: RMCA: 2 [2 - **2**] - 17 February 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 19 February 1923: Callewaert, Richard: RMCA: 6 [6 - **6**] - 23 February 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 26 February 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 11 March 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 12 March 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 27 March 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 5 April 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 11 April 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 5 May 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 8 May 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 19 May 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 22 May 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 31 May 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 1 June 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 2 June 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 3 June 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 7 June 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 19 June 1923: Callewaert, Richard: RMCA: 2 [2 - **2**] - 27 June 1923: Callewaert, Richard: RMCA: 3 [3 - **3**] - 28 June 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 15 November 1923: Callewaert, Richard: RMCA: 1 [1 - **1**] - 16 April 1924: Callewaert, Richard: BMNH: 1 [1 - **1**] - 2 May 1939: Deheyn, Jean Jacques: RMCA: 3 [3 - **3**] - 6 May 1939: Deheyn, Jean Jacques: RMCA: 2 [2 - **2**] - 7 May 1939: Deheyn, Jean Jacques: RMCA: 1 [1 - **1**] - 24 May 1939: Deheyn, Jean Jacques: RMCA: 1 [1 - **1**] - 19 September 1969: De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **42**].

St Joseph mission: Collection Date Unknown: Callewaert, Richard: BMNH: 1 [1 - **1** - **1**].

St Therese mission: 8 February 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 25 March 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 20 January 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **3**].

St. Jos: 14 April 1924: Callewaert, Richard: AMNH: 1 [1 - **1** - **1**].

St. Jos: Collection Date Unknown: Callewaert, Richard: AMNH: 2 [2 - **2**] - 23 November 1922: Callewaert, Richard: AMNH: 4 [4 - **4**] - 22 December 1923: Callewaert, Richard: AMNH: 1 [1 - **1**] - 14 April 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 15 April 1924: Callewaert, Richard: AMNH: 3 [3 - **3**] - 18 April 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 5 May 1924: Callewaert, Richard: AMNH: 3 [3 - **3**] - 8 May 1924: Callewaert, Richard: AMNH: 2 [2 - **2**] - 10 May 1924: Callewaert, Richard: AMNH: 2 [2 - **2**] - 20 May 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 28 May 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 31 May 1924: Callewaert, Richard: AMNH: 3 [3 - **3**] - 19 June 1924: Callewaert, Richard: AMNH: 20 [20 - **20**] - 25 June 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 8 July 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 29 July 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 2 August 1924: Callewaert, Richard: AMNH: 2 [2 - **2**] - 5 August 1924: Callewaert, Richard: AMNH: 2 [2 - **2**] - 7 August 1924: Callewaert, Richard: AMNH: 2 [2 - **2**] - 15 August 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 9 September 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 26 September 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 5 October 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 8 October 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 10 October 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 12 October 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 18 October 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 19 October 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 23 October 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 27 October 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 29 October 1924: Callewaert, Richard: AMNH: 2 [2 - **2**] - 30 October 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 3

November 1924: Callewaert, Richard: AMNH: 3 [3 - **3**] - 14 November 1924: Callewaert, Richard: AMNH: 1 [1 - **1**] - 30 November 1924: Callewaert, Richard: AMNH: 1 [1 - **1** - **72**].

St[uri] Forest [=Ituri Forest?]: Collection Date Unknown: Ruwenzori Expedition, The: BMNH: 2 [2 - **2** - **2**].

Stanleyville: Collection Date Unknown: Christy, Cuthbert: BMNH: 1, RMCA: 2 [3]; Collart: RMCA: 1 [1]; Schwetz: RMCA: 1 [1]; Weyns: RMCA: 10 [10 - **15**] - 8 August 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 18 August 1909: ?: Collector Unknown: MCZ: 1 [1]; Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 3 [3 - **4**] - 25 August 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 5 [5 - **5**] - 5 September 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 9 September 1909: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 6 October 1910: Weyns: RMCA: 1 [1 - **1**] - 26 April 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 26 May 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 26 June 1912: Christy, Cuthbert: RMCA: 5 [5 - **5**] - 2 July 1912: Christy, Cuthbert: RMCA: 2 [2 - **2**] - 5 July 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 20 July 1912: Christy, Cuthbert: RMCA: 1 [1 - **1**] - 16 December 1914: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 January 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 4 May 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 July 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 April 1924: Ghesquière, J.: RMCA: 2 [2 - **2**] - 1 May 1926: Schouteden, Henri: RMCA: 2 [2 - **2**] - 13 January 1927: Coolidge, Harold Jefferson; Whitman, L.: MCZ: 1 [1 - **1**] - 5 February 1928: Collart: RMCA: 1 [1 - **1**] - 1 March 1928: Collart: RMCA: 1 [1 - **1**] - 4 March 1928: Collart: RMCA: 1 [1 - **1**] - 5 April 1928: Collart: RMCA: 1 [1 - **1**] - 16 July 1928: Collart: RMCA: 1 [1 - **1**] - 1 March 1929: Collart: RMCA: 1 [1 - **1**] - 24 April 1929: Geldof: RMCA: 1 [1 - **1**] - 2 July 1929: Collart: RMCA: 1 [1 - **1**] - 21 June 1931: Schwetz: RMCA: 1 [1 - **1**] - 11 January 1939: Hodgson, Duncan M.; Coultas, William F.: MCZ: 1 [1 - **1** - **59**].

Sud Kivu province: 3 November 1966: Elbl, A.: USNM: 1 [1 - **1** - **1**].

Sukisa: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].

Swanepoel I cave: 1 May 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Swanepoel II abyss: 1 May 1958: Anciaux de Faveaux, Félix / Michel: RMCA: 8 [8 - **8** - **8**].

Taere river: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1 - **1**] - 10 March 1952: de Saeger, H.; *et al.*: RBINS: 3 [3 - **3** - **4**].

Talatala: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 11 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Tamba Tamba cave b 12: Collection Date Unknown: Royal Museum of Central Africa (RMCA), The: BMNH: 2 [2 - **2**] - 27 September 1948: Leleup, Narcisse: RMCA: 14 [14 - **14** - **16**].

Tandala: 16 July 1967: Robbins, Lynn W.: USNM: 1 [1 - **1**] - 11 June 1979: Robbins, C. Brian: USNM: 1 [1 - **1**] - 6 July 1979: Robbins, C. Brian: USNM: 1 [1 - **1**] - 7 July 1979: ?: Collector Unknown: MHNG: 3 [3]; Robbins, C. Brian: USNM: 5 [5]; Robbins, Lynn W.; Robbins, C. Brian: CM: 2 [2 - **10**] - 9 July 1979: ?: Collector Unknown: MHNG: 1 [1]; Robbins, Lynn W.; Robbins, C. Brian: CM: 3 [3 - **4**] - 10 July 1979: ?: Collector Unknown: MHNG: 1 [1]; Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.; Robbins, C. Brian: CM: 3 [3 - **5**] - 11 July 1979: ?: Collector Unknown: MHNG: 1 [1]; Meier, Florian: MHNG: 1 [1]; Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **4**] - 12 July 1979: ?: Collector Unknown: MHNG: 4 [4]; Meier, Florian: MHNG: 1 [1]; O.W.H.: TTU: 1 [1]; Robbins, C. Brian: USNM: 19 [19]; Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **26**] - 13 July 1979: ?: Collector Unknown: MHNG: 5 [5]; Robbins, C. Brian: USNM: 4 [4]; Robbins, Lynn W.: USNM: 1 [1]; Robbins, Lynn W.; Robbins, C. Brian: CM: 3 [3 - **13**] - 14 July 1979: Robbins, C. Brian: USNM: 1 [1 - **1**] - 16 July 1979: ?: Collector Unknown: MHNG: 5 [5]; Meier, Florian: MHNG: 1 [1]; Robbins, C. Brian: USNM: 7 [7]; Robbins, Lynn W.; Robbins, C. Brian: CM: 4 [4 - **17**] - 18 July 1979: Robbins, C. Brian: USNM: 3 [3 - **3**] - 19 July 1979: Robbins, C. Brian: USNM: 2 [2 - **2**] - 20 July 1979: Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.; Robbins, C. Brian: CM: 4 [4 - **5**] - 21 July 1979: ?: Collector Unknown: MHNG: 4 [4]; Robbins, C. Brian: USNM: 8 [8 - **12** - **105**].

Tanganyika: Collection Date Unknown: Hecq, Célestin: RMCA: 1 [1 - **1** - **1**].

Tanganyika, Congo shore of lake: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 January 1946: ?: Collector Unknown: RBINS: 9 [9 - **9** - **10**].

Tantara cave: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 29 September 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 5 [5 - **5**] - 11 November 1957: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1**] - 4 June 1960: ?: Collector Unknown: RBINS: 8 [8 - **8**] - 29 September 1967: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **16**].

TASOK: 15 April 1980: Wallach, V.: ZMA: 1 [1 - **1** - **1**].

Tayele: 10 March 1952: de Saeger, H.: RMCA: 1 [1 - **1** - **1**].

Tembwe: Collection Date Unknown: Schouteden, Henri: RMCA: 3 [3 - **3** - **3**].

Temvo: 8 March 1922: Schouteden, Henri: RMCA: 1 [1 - **1** - **1**].

Tenke: 6 December 1959: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Teturi: 12 September 1946: Hiernaux, Jean: RBINS: 1 [1 - **1**] - 6 February 1947: : RBINS: 1 [1 - **1**] - 23 March 1947: Hiernaux, Jean: RBINS: 1 [1 - **1**] - 24 March 1947: Hiernaux, Jean: RBINS: 2 [2 - **2**] - 30 June 1947: : RBINS: 1 [1 - **1**] - 5 August 1947: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 21 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 15 March 1948: : RBINS: 1 [1 - **1**] - 24 May 1948: Hiernaux, Jean: RBINS: 1 [1 - **1**] - 25 May 1948: Hiernaux, Jean: RBINS: 1 [1 - **1**] - 15 June 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 17 September 1948: Hiernaux, Jean: RBINS: 1 [1 - **1** - **14**].

Thysville: Collection Date Unknown: De Roo, Antoon Emeric Marcel: RMCA: 1 [1]; Royal Museum of Central Africa (RMCA), The: BMNH: 11 [11 - **12**] - 2 July 1905: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 2 [2 - **2**] - 30 March 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 2 June 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 8, MCZ: 1 [9 - **9**] - 21 June 1915: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 1 November 1935: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 13 July 1949: Leleup, Narcisse: RMCA: 4 [4 - **4**] - 23 July 1949: Leleup, Narcisse: RMCA: 26 [26 - **26**] - 1 August 1949: Leleup, Narcisse: RMCA: 31 [31 - **31**] - 8 August 1949: Leleup, Narcisse: RMCA: 10 [10 - **10**] - 18 August 1949: Leleup, Narcisse: RMCA: 14 [14 - **14**] - 1 December 1952: Basilewsky, P.: RMCA: 1 [1 - **1**] - 29 March 1964: De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6**] - 29 April 1964: De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 11 February 1987: ?: Collector Unknown: RBINS: 37 [37 - **37** - **158**].

Thysville, cave: Collection Date Unknown: Golenvaux: RMCA: 1 [1]; Schwetz: RMCA: 2 [2 - **3**] - 1 April 1947: Fain, Alexandre: RMCA: 1 [1 - **1** - **4**].

Thysville, cave b 12 a: 30 May 1949: Leleup, Narcisse: RMCA: 2 [2 - **2** - **2**].

Thysville, cave b 13 a: 23 May 1949: Leleup, Narcisse: RMCA: 1 [1 - **1**] - 1 July 1949: Leleup, Narcisse: RMCA: 2 [2 - **2**] - 17 August 1949: Leleup, Narcisse: RMCA: 2 [2 - **2** - **5**].
Tingasi: Collection Date Unknown: Emin Pascha / Pasha / Bey: BMNH: 1 [1 - **1**] - 29 October 1883: : BMNH: 2 [2 - **2** - **3**].
Tondu: 19 February 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 23 February 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 24 February 1921: Schouteden, Henri: RMCA: 7 [7 - **7** - **9**].
Topetope: 10 June 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 18 June 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 4 July 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 5 July 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 8 July 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1**] - 9 July 1966: Prigogine, Alexandre: RMCA: 2 [2 - **2**] - 10 July 1966: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **8**].
Tore: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 22 March 1952: de Saeger, H.: RMCA: 1 [1 - **1** - **2**].
Trappist mission: 27 July 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 22, RMCA: 22 [44 - **44**] - 6 August 1995: Leirs, Herwig; *et al.* (1995 Kikwit expedition): MSB: 12, RMCA: 11 [23 - **23** - **67**].
Tschambutscha: 31 December 1956: Stephan, Heinz: RMCA: 1 [1 - **1** - **1**].
Tschinputu: 19 September 1983: Betu Nsankulu: RMCA: 1 [1 - **1**] - 20 September 1983: Betu Nsankulu: RMCA: 1 [1 - **1** - **2**].
Tschuapa: 18 October 1966: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Tsebahu: 12 July 1955: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Tshakala: 1 January 1982: Colyn, Marc: RMCA: 21 [21 - **21**] - 1 July 1984: Colyn, Marc: RMCA: 1 [1 - **1**] - 1 February 1985: Colyn, Marc: RMCA: 1 [1 - **1** - **23**].
Tshamalenge cave: 25 August 1957: Anciaux de Faveaux, Félix / Michel: MHNG: 1 [1 - **1** - **1**].
Tshambi: 10 November 1933: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].
Tshapona: 5 December 1937: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Tshebahu: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2 - **2** - **2**].
Tshibaka: 25 August 1956: Poll, Max: RMCA: 1 [1 - **1** - **1**].
Tshibambo: 31 August 1954: De Smet: RMCA: 7 [7 - **7** - **7**].
Tshibasha: 18 November 1970: Betu Nsankulu: RMCA: 6 [6 - **6** - **6**].
Tshibashi: 1 February 1976: Betu Nsankulu: RMCA: 1 [1 - **1**] - 27 February 1976: Betu Nsankulu: RMCA: 5 [5 - **5** - **6**].
Tshibati: 28 December 1963: De Roo, Antoon Emeric Marcel: AMNH: 1 [1 - **1** - **1**].
Tshibinda: 16 September 1950: Hendricks, F.L.: RMCA: 1 [1 - **1** - **1**].
Tshibungu: 27 November 1978: Betu Nsankulu: RMCA: 1 [1 - **1** - **1**].
Tshikapa: 1 January 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 25 October 1921: Schouteden, Henri: RMCA: 4 [4 - **4**] - 16 November 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 20 November 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 24 November 1921: Schouteden, Henri: RMCA: 1 [1 - **1**] - 26 November 1921: Schouteden, Henri: RMCA: 5 [5 - **5**] - 28 November 1921: Schouteden, Henri: RMCA: 1 [1 - **1** - **14**].
Tshimputu: 23 March 1975: Betu Nsankulu: RMCA: 1 [1 - **1**] - 23 May 1975: Betu Nsankulu: RMCA: 3 [3 - **3** - **4**].
Tshisangwe: 27 September 1955: Lips, M.: RMCA: 3 [3 - **3** - **3**].
Tshopo: 1 June 1982: Colyn, Marc: RMCA: 2 [2 - **2**] - 1 September 1985: Colyn, Marc: RMCA: 1 [1 - **1** - **3**].
Tshoppo Falls: Collection Date Unknown: Christy, Cuthbert: RMCA: 1 [1 - **1** - **1**].
Tshuapa district: 1 January 1960: Lootens, P.: RMCA: 19 [19 - **19** - **19**].
Tshuapa river, upper: 1 June 1925: Ghesquière, J.: RMCA: 2 [2 - **2** - **2**].
Tumbwe: Collection Date Unknown: Verschuren, Jacques: INPBC: 1 [1 - **1** - **1**].
Tungudu: 3 June 1957: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].
Uduku: 23 July 1952: de Saeger, H.; *et al.*: RBINS: 4 [4 - **4**] - 24 July 1952: de Saeger, H.: RMCA: 1 [1]; de Saeger, H.; *et al.*: RBINS: 3 [3 - **4** - **8**].
Uduku Moke: 24 July 1952: de Saeger, H.: RMCA: 3 [3]; de Saeger, H.; *et al.*: RBINS: 2 [2 - **5** - **5**].
Uele: Collection Date Unknown: Antwerp Zoo, The: RMCA: 1 [1]; Hutereau, M.: RMCA: 1 [1 - **2**] - 28 April 1914: Hutereau, M.: BMNH: 1 [1 - **1**] - 1 December 1927: Hutsebaut, Jozef: MCZ: 1 [1 - **1** - **4**].
Ukaika: Collection Date Unknown: Grauer, Rudolf: NMW: 5 [5 - **5** - **5**].
Uma: 18 May 2012: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 1 [1 - **1**] - 15 August 2012: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 7 [7 - **7**] - 16 August 2012: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 2 [2]; Musaba Akawa, Prescott: RMCA: 6 [6 - **8**] - 17 August 2012: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 3 [3]; Musaba Akawa, Prescott: RMCA: 1 [1 - **4**] - 18 August 2012: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 2 [2]; Musaba Akawa, Prescott: RMCA: 2 [2 - **4**] - 10 April 2014: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 9 [9]; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 1 [1 - **10**] - 11 April 2014: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 15 [15 - **15**] - 12 April 2014: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 16 [16 - **16**] - 13 April 2014: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Malekani, André: UNIKIS: 1 [1 - **1** - **66**].
Umangi: Collection Date Unknown: de la Kethulle de Ryhove, Charles: RMCA: 6 [6 - **6** - **6**].
Université de Kisangani, Faculté des Sciences: 10 August 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 1 [1 - **1**] - 11 August 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 4 [4 - **4** - **5**].
Upemba National Park: 25 September 2009: Hassanin, Alexandre; Nesi, Nicolas; Pongombo, Célestin; Vallo, Peter; Tshikung, Didier: MNHN: 4 [4 - **4** - **4**].
Upper Congo: Collection Date Unknown: Carruthers, Alexander Douglas Mitchell: BMNH: 16 [16 - **16** - **16**].
Usambiers: Collection Date Unknown: Pasha, Emin: BMNH: 1 [1 - **1** - **1**].
Utu: 6 February 1959: Rahm, Uwe: RMCA: 2 [2 - **2** - **2**].
Utukuru: 10 June 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **1**].
Uvira: Collection Date Unknown: Grauer, Rudolf: NMW: 2, ZMB: 4 [6]; Leleup, Narcisse: RMCA: 6 [6]; Marlier, Georges: RMCA: 3 [3]; Schmitt, Waldo LaSalle; Baker, E.: USNM: 2 [2 - **17**] - 1 February 1910: Graub: NMW: 1 [1 - **1**] - 4 May 1950: Laurent: RMCA: 1 [1 - **1**] - 1 April 1951: Lambrecht, F.L.: RMCA: 1 [1 - **1**] - 12 September 1951: Leleup, Narcisse: RMCA: 18 [18 - **18**] - 23 September 1954: Leleup, Narcisse: RMCA: 1 [1 - **1**] - 1 March 1955: Leleup, Narcisse: RMCA: 5 [5 - **5**] - 2 March 1955: Leleup, Narcisse: RMCA: 7 [7 - **7**] - 3 March 1955: Leleup, Narcisse: RMCA: 4 [4 - **4**] - 1 April 1955: Leleup, Narcisse: RMCA: 1 [1 - **1**] - 25 May 1955: Schmitt, Waldo LaSalle; Baker, E.: USNM: 2 [2 - **2**] - 26 July 1956: Novick, Alvin: MCZ: 1 [1 - **1**] - 27 July 1956: Novick, Alvin: MCZ: 18 [18 - **18**] - 5 September 1956: Laurent: RMCA: 4 [4 - **4**] - 1 November 1956: Laurent: RMCA: 1 [1 - **1**] - 17 June 1958: Marlier, Georges: RMCA: 1 [1 - **1**] - 2 March 1959:

Rahm, Uwe: RMCA: 1 [1 - **1**] - 5 March 1959: Rahm, Uwe: RMCA: 1 [1 - **1**] - 29 April 1959: Rahm, Uwe: RMCA: 2 [2 - **2**] - 2 May 1959: Rahm, Uwe: RMCA: 2 [2 - **2**] - 23 January 1962: Kiss: RMCA: 1 [1 - **1**] - 3 February 1962: Kiss: RMCA: 1 [1 - **1** - **91**].

Vaku: Collection Date Unknown: Vleeschouwers, C.: RMCA: 3 [3 - **3** - **3**].

Vankerkhovenville: Collection Date Unknown: Alexander-Gosling Expedition, The: BMNH: 1 [1 - **1**] - 17 April 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 18 April 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 4 [4 - **4** - **6**].

Vieux Beni: 24 August 1953: de Witte, Gaston-François: RMCA: 1 [1 - **1** - **1**].

Vinamont farm: 18 November 1955: Anciaux de Faveaux, Félix / Michel: RMCA: 1 [1 - **1** - **1**].

Virunga National Park: Collection Date Unknown: Verschuren, Jacques: INPBC: 10, RBINS: 1 [11 - **11** - **11**].

Vista: 1 January 1933: Dartevelle: RMCA: 1 [1 - **1** - **1**].

Vitshumbi: Collection Date Unknown: ?: Collector Unknown: RBINS: 3 [3]; de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **4**] - 28 September 1933: de Witte, Gaston-François; *et al.*: RBINS: 1 [1 - **1**] - 1 October 1933: Hackars, Henri Martin: RMCA: 2 [2 - **2**] - 1 August 1934: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 7 March 1938: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 2 January 1953: KEA-Mission, The: RBINS: 1 [1 - **1**] - 12 January 1953: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 21 April 1953: ?: Collector Unknown: RBINS: 1 [1 - **1** - **13**].

Volcan du Kivu: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

W slope of Mount Ruwenzori, Butahu valley, cave: 24 December 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].

Wafanya: Collection Date Unknown: Lootens, P.: RMCA: 35 [35 - **35**] - 1 January 1986: Lootens, P.: RMCA: 1 [1 - **1**] - 1 December 1986: Lootens, P.: RMCA: 1 [1 - **1**] - 1 August 1987: Lootens, P.: RMCA: 2 [2 - **2**] - 1 October 1987: Lootens, P.: RMCA: 1 [1 - **1**] - 21 November 1987: Lootens, P.: RMCA: 1 [1 - **1**] - 25 November 1987: Lootens, P.: RMCA: 1 [1 - **1**] - 28 November 1987: Lootens, P.: RMCA: 1 [1 - **1**] - 5 December 1987: Lootens, P.: RMCA: 1 [1 - **1**] - 3 January 1988: Lootens, P.: RMCA: 5 [5 - **5**] - 15 April 1988: Lootens, P.: RMCA: 1 [1 - **1**] - 1 May 1988: Lootens, P.: RMCA: 1 [1 - **1**] - 1 June 1988: Lootens, P.: RMCA: 1 [1 - **1**] - 30 September 1988: Lootens, P.: RMCA: 1 [1 - **1**] - 8 October 1988: Lootens, P.: RMCA: 1 [1 - **1**] - 20 November 1988: Lootens, P.: RMCA: 1 [1 - **1**] - 3 December 1988: Lootens, P.: RMCA: 2 [2 - **2**] - 5 December 1988: Lootens, P.: RMCA: 2 [2 - **2**] - 10 December 1988: Lootens, P.: RMCA: 1 [1 - **1**] - 1 January 1991: Lootens, P.: RMCA: 7 [7 - **7**] - 1 February 1991: Lootens, P.: RMCA: 1 [1 - **1**] - 1 March 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 1 April 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 1 May 1991: Lootens, P.: RMCA: 7 [7 - **7**] - 1 July 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 1 August 1991: Lootens, P.: RMCA: 1 [1 - **1**] - 10 August 1991: Lootens, P.: RMCA: 1 [1 - **1**] - 17 August 1991: Lootens, P.: RMCA: 1 [1 - **1**] - 29 August 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 30 August 1991: Lootens, P.: RMCA: 1 [1 - **1**] - 2 September 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 4 September 1991: Lootens, P.: RMCA: 4 [4 - **4**] - 7 September 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 12 September 1991: Lootens, P.: RMCA: 4 [4 - **4**] - 14 September 1991: Lootens, P.: RMCA: 3 [3 - **3**] - 17 September 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 20 September 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 23 September 1991: Lootens, P.: RMCA: 1 [1 - **1**] - 25 September 1991: Lootens, P.: RMCA: 7 [7 - **7**] - 3 October 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 7 October 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 10 October 1991: Lootens, P.: RMCA: 1 [1 - **1**] - 11 October 1991: Lootens, P.: RMCA: 1 [1 - **1**] - 12 October 1991: Lootens, P.: RMCA: 9 [9 - **9**] - 14 October 1991: Lootens, P.: RMCA: 1 [1 - **1**] - 16 October 1991: Lootens, P.: RMCA: 2 [2 - **2**] - 17 October 1991: Lootens, P.: RMCA: 1 [1 - **1**] - 1 November 1991: Lootens, P.: RMCA: 5 [5 - **5**] - 1 December 1991: Lootens, P.: RMCA: 15 [15 - **15**] - 1 January 1992: Lootens, P.: RMCA: 6 [6 - **6**] - 10 February 1992: Lootens, P.: RMCA: 2 [2 - **2**] - 1 March 1992: Lootens, P.: RMCA: 15 [15 - **15**] - 5 March 1992: Lootens, P.: RMCA: 1 [1 - **1**] - 20 March 1992: Lootens, P.: RMCA: 6 [6 - **6**] - 1 April 1992: Lootens, P.: RMCA: 9 [9 - **9**] - 8 April 1992: Lootens, P.: RMCA: 1 [1 - **1**] - 15 April 1992: Lootens, P.: RMCA: 1 [1 - **1**] - 18 April 1992: Lootens, P.: RMCA: 2 [2 - **2**] - 20 April 1992: Lootens, P.: RMCA: 2 [2 - **2**] - 21 April 1992: Lootens, P.: RMCA: 1 [1 - **1**] - 26 April 1992: Lootens, P.: RMCA: 3 [3 - **3**] - 27 April 1992: Lootens, P.: RMCA: 3 [3 - **3**] - 28 April 1992: Lootens, P.: RMCA: 8 [8 - **8**] - 29 April 1992: Lootens, P.: RMCA: 1 [1 - **1**] - 1 May 1992: Lootens, P.: RMCA: 4 [4 - **4**] - 4 May 1992: Lootens, P.: RMCA: 2 [2 - **2**] - 8 May 1992: Lootens, P.: RMCA: 1 [1 - **1**] - 10 May 1992: Lootens, P.: RMCA: 2 [2 - **2**] - 12 May 1992: Lootens, P.: RMCA: 1 [1 - **1**] - 18 May 1992: Lootens, P.: RMCA: 2 [2 - **2**] - 19 May 1992: Lootens, P.: RMCA: 3 [3 - **3**] - 26 May 1992: Lootens, P.: RMCA: 8 [8 - **8**] - 28 May 1992: Lootens, P.: RMCA: 1 [1 - **1**] - 29 May 1992: Lootens, P.: RMCA: 11 [11 - **11** - **249**].

Wagenia: 1 January 1987: De Vos, Luc; Kimbembi; Vandelanoote, Alain: RMCA: 1 [1 - **1** - **1**].

Wago: Collection Date Unknown: Fain, Alexandre: RMCA: 3 [3 - **3**] - 1 January 1951: Fain, Alexandre: RMCA: 10 [10 - **10**] - 1 July 1951: Fain, Alexandre: RMCA: 5 [5 - **5**] - 1 November 1951: Fain, Alexandre: RMCA: 3 [3 - **3**] - 7 November 1951: Fain, Alexandre: RMCA: 2 [2 - **2**] - 28 August 1952: Fain, Alexandre: RMCA: 3 [3 - **3**] - 30 August 1952: Fain, Alexandre: RMCA: 11 [11 - **11**] - 13 September 1952: Fain, Alexandre: RMCA: 2 [2 - **2**] - 17 September 1952: Fain, Alexandre: RMCA: 1 [1 - **1**] - 21 September 1952: Fain, Alexandre: RMCA: 1 [1 - **1** - **41**].

Walikale: 28 February 1924: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Wasa: Collection Date Unknown: Fain, Alexandre: RMCA: 1 [1 - **1**] - 1 January 1951: Fain, Alexandre: RMCA: 1 [1 - **1**] - 1 August 1952: Fain, Alexandre: RMCA: 1 [1 - **1**] - 3 August 1952: Fain, Alexandre: RMCA: 2 [2 - **2** - **5**].

Wasa Wago Forest: Collection Date Unknown: Fain, Alexandre: BMNH: 3 [3 - **3**] - 1 August 1952: Fain, Alexandre: RMCA: 1 [1 - **1** - **4**].

Washiha Forest: 19 July 2001: Huhndorf, Michael H.: FMNH: 2 [2 - **2** - **2**].

Wasseige farm: 6 February 1956: Anciaux de Faveaux, Félix / Michel: RMCA: 4 [4 - **4** - **4**].

Weko Forest: 27 December 1974: Gallagher, Michael D.: HZM: 12 [12 - **12** - **12**].

Wilibadi river: 16 April 1948: Hediger; Verschuren, Jacques: RBINS: 4 [4 - **4**] - 30 January 1951: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1** - **5**].

Yaekela: 2 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 5 [5 - **5**] - 3 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 37 [37 - **37**] - 4 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 24 [24 - **24**] - 5 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 30 [30 - **30**] - 6 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 23 [23 - **23**] - 7 May 2010: Gembu Tungaluna, Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José: UNIKIS: 14 [14 - **14** - **133**].

Yaengo: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Yakuluku: 3 November 1911: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1**] - 4 November 1912: Lang, Herbert; Chapin, James Paul; American Museum Congo Expedition, The: AMNH: 1 [1 - **1** - **2**].

Yalokele: 26 June 1953: Dupuis, L.: RMCA: 2 [2 - **2**] - 15 August 1953: Dupuis, L.: RMCA: 2 [2 - **2**] - 28 August 1953: Dupuis, L.: RMCA: 1 [1 - **1** - **5**].

Yalosemba: Collection Date Unknown: ?: Collector Unknown: CM: 3 [3 - **3**] - 1 June 1979: Robbins, C. Brian: MHNG: 2 [2 - **2**] - 10 June 1979: Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **1**] - 12 June 1979: Robbins, C. Brian: USNM: 2 [2 - **2**] - 13 June 1979: Robbins, C. Brian: USNM: 2 [2 - **2**] - 15 June 1979: Meier, Florian: MHNG: 1 [1]; Robbins, C. Brian: USNM: 1 [1 - **2**] - 16 June 1979: Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2**] - 17 June 1979: ?: Collector Unknown: MHNG: 3 [3]; Robbins, C. Brian: USNM: 37 [37]; Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **41**] - 18 June 1979: Meier, Florian: MHNG: 3 [3]; Robbins, C. Brian: USNM: 1 [1 - **4**] - 19 June 1979: Robbins, C. Brian: USNM: 5 [5 - **5**] - 20 June 1979: Robbins, C. Brian: USNM: 1 [1 - **1**] - 21 June 1979: Robbins, C. Brian: USNM: 2 [2 - **2**] - 22 June 1979: Robbins, C. Brian: USNM: 5 [5 - **5**] - 23 June 1979: ?: Collector Unknown: MHNG: 1 [1]; Meier, Florian: MHNG: 1 [1]; Robbins, C. Brian: USNM: 2 [2]; Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **5**] - 26 June 1979: Robbins, C. Brian: USNM: 2 [2]; Robbins, Lynn W.: USNM: 1 [1 - **3**] - 27 June 1979: ?: Collector Unknown: MHNG: 2 [2]; Robbins, C. Brian: USNM: 6 [6 - **8**] - 28 June 1979: ?: Collector Unknown: MHNG: 2 [2]; Robbins, C. Brian: USNM: 6 [6]; Robbins, Lynn W.; Robbins, C. Brian: CM: 1 [1 - **9**] - 30 June 1979: Meier, Florian: MHNG: 2 [2]; Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.: TTU: 1 [1 - **4**] - 9 July 1979: Meier, Florian: ZMMU: 1 [1 - **1**] - 16 July 1979: ?: Collector Unknown: ZMMU: 1 [1 - **1** - **103**].

Yalusaka: 1 March 1957: Carbone, F.: RMCA: 1 [1 - **1**] - 28 September 1957: Carbone, F.: RMCA: 1 [1 - **1**] - 10 March 1958: Carbone, F.: RMCA: 1 [1 - **1**] - 16 March 1958: Carbone, F.: RMCA: 10 [10 - **10** - **13**].

Yamazo Yamono: 19 June 1979: Meier, Florian: MHNG: 1 [1]; Robbins, C. Brian: USNM: 4 [4 - **5** - **5**].

Yambata: 11 March 1914: De Giorgi: RMCA: 1 [1 - **1** - **1**].

Yambomba: 20 June 1979: Meier, Florian: MHNG: 1 [1 - **1** - **1**].

Yangambi: 1 January 1938: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 18 September 1939: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 7 February 1942: Van Boven, R.P.: RMCA: 1 [1 - **1**] - 5 August 1942: Vrijdagh, J.M.: RMCA: 1 [1 - **1**] - 29 July 1946: Gilbert, G.: RBINS: 1 [1 - **1**] - 8 August 1946: ?: Collector Unknown: RBINS: 1 [1]; Gilbert, G.: RBINS: 1 [1 - **2**] - 4 March 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 13 March 1947: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 22 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 25 October 1947: Germain, Rodolphe: RBINS: 1 [1 - **1**] - 10 November 1947: Gilbert, G.: RBINS: 1 [1 - **1**] - 28 December 1947: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 24 February 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 7 August 1951: Toussaint, L.: RBINS: 1 [1 - **1**] - 4 January 1975: Gallagher, Michael D.: HZM: 6 [6 - **6** - **22**].

Yangambi division forest: 8 August 1946: Gilbert, G.: RMCA: 1 [1 - **1** - **1**].

Yaosuka: 5 July 1949: Van Boven, R.P.: RMCA: 1 [1 - **1** - **1**].

Yatolema: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].

Yayama: 24 June 1986: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **1**].

Yema: Collection Date Unknown: Cabra, Alphonse: RMCA: 1 [1 - **1** - **1**].

Yokamba Elongo: 27 January 1952: Stevenart: RMCA: 1 [1 - **1**] - 28 June 1954: Stevenart: RMCA: 1 [1 - **1** - **2**].

Yoko: Collection Date Unknown: ?: Collector Unknown: MNHN: 5, UNIKIS: 4 [9]; Musaba Akawa, Prescott: RMCA: 6 [6 - **15**] - 11 February 2009: ?: Collector Unknown: UNIKIS: 1 [1 - **1**] - 12 February 2009: ?: Collector Unknown: UNIKIS: 2 [2 - **2**] - 12 May 2009: ?: Collector Unknown: UNIKIS: 2 [2 - **2**] - 13 May 2009: ?: Collector Unknown: UNIKIS: 3 [3 - **3**] - 18 May 2009: ?: Collector Unknown: UNIKIS: 6 [6 - **6**] - 19 May 2009: ?: Collector Unknown: UNIKIS: 1 [1 - **1**] - 20 May 2009: ?: Collector Unknown: UNIKIS: 1 [1 - **1**] - 25 May 2009: ?: Collector Unknown: UNIKIS: 1 [1 - **1**] - 26 May 2009: ?: Collector Unknown: UNIKIS: 1 [1 - **1**] - 19 July 2009: ?: Collector Unknown: UNIKIS: 1 [1 - **1**] - 23 September 2009: ?: Collector Unknown: UNIKIS: 2 [2 - **2**] - 24 September 2009: ?: Collector Unknown: UNIKIS: 2 [2 - **2**] - 25 September 2009: ?: Collector Unknown: UNIKIS: 2 [2 - **2**] - 28 September 2009: ?: Collector Unknown: UNIKIS: 1 [1 - **1**] - 4 October 2009: ?: Collector Unknown: UNIKIS: 1 [1 - **1**] - 4 September 2012: Musaba Akawa, Prescott: RMCA: 6 [6]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 7 [7 - **13**] - 5 September 2012: Musaba Akawa, Prescott: RMCA: 2 [2]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 9 [9 - **11**] - 6 September 2012: Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 1 [1 - **1**] - 7 September 2012: Musaba Akawa, Prescott: RMCA: 3 [3]; Musaba Akawa, Prescott; Tembele,; Boketshu, Marc: UNIKIS: 3 [3 - **6**] - 11 December 2013: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 5 April 2014: Musaba Akawa, Prescott: UNIKIS: 1 [1 - **1** - **75**].

Yolohotiri cave: 1 September 1951: Fain, Alexandre: RMCA: 1 [1 - **1** - **1**].

Yolokafiri: 30 July 1947: Hiernaux, Jean: RBINS: 1 [1 - **1**] - 31 August 1947: ?: Collector Unknown: RBINS: 1 [1 - **1** - **2**].

Zambi: Collection Date Unknown: Derscheid, J.M.: RMCA: 4 [4]; Lepez: RMCA: 1 [1]; Van Saceghem, R.: RMCA: 4 [4 - **9** - **9**].

Zemio: Collection Date Unknown: : RBINS: 1 [1 - **1** - **1**].

Zeya: 4 August 1953: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Zobia: Collection Date Unknown: ?: Collector Unknown: RBINS: 13 [13 - **13**] - 18 April 1946: ?: Collector Unknown: RBINS: 1 [1]; Van Woensel, R.P.: RBINS: 1 [1 - **2** - **15**].

Zongo: 2 July 1948: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Zookis: 16 February 2013: Musaba Akawa, Prescott; Malekani, André: UNIKIS: 6 [6 - **6**] - 24 December 2015: Musaba Akawa, Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale: UNIKIS: 12 [12 - **12** - **18**].

Total Specimens for Congo (Democratic Republic of the): 16086

Côte d'Ivoire

Unknown locality: Collection Date Unknown: BMNH: 2, HZM: 2, MHNG: 1, MNHN: 105, ORSTOM: 10, SMF: 20, USNM: 7 [147]; Lamotte, M.: MNHN: 1 [1]; ORSTOM: RMCA: 101 [101]; Thomas, D.: ROM: 3 [3]; Verheyen, Walter N.: RMCA: 1 [1]; Vissault, Jacques: ZMA: 2 [2 - **255**] - 1 January 1969: Parelius, Daniel Arthur: FMNH: 6 [6 - **6**] - 19 June 1970: ?: Collector Unknown: QM: 1 [1 - **1**] - 11 August 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 9 November 1970: ?: Collector Unknown: SMF: 1 [1 - **1**] - 16 November 1970: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1972: ORSTOM: RMCA: 1 [1 - **1**] - 1 January 1973: Vissault, Jacques: ZMA: 8 [8 - **8**] - 6 March 1990: Vissault, Jacques: ZMA: 1 [1 - **1**] - 26 June 1995: ?: Collector Unknown: SMF: 3 [3 - **3**] - 29 June 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 July 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 July 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 July 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 July 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 12 July 1995: ?: Collector Unknown: SMF: 2 [2 - **2**] - 14 July 1995: ?: Collector Unknown: SMF: 3 [3 - **3**] - 15 July 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 March 1997: ?: Collector Unknown: SMF: 1 [1 - **1**] - 6 August 1998: Jocque: RMCA: 1 [1 - **1**] - 1 January 1999: ?: Collector Unknown:

SMF: 4 [4 - **4**] - 14 January 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 February 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 28 February 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 March 1999: ?: Collector Unknown: SMF: 3 [3 - **3**] - 8 March 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 13 March 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 16 March 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 18 March 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 22 March 1999: ?: Collector Unknown: SMF: 5 [5 - **5**] - 30 March 1999: ?: Collector Unknown: SMF: 3 [3 - **3**] - 31 March 1999: ?: Collector Unknown: SMF: 3 [3 - **3**] - 10 April 1999: ?: Collector Unknown: SMF: 3 [3 - **3**] - 16 April 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 April 1999: ?: Collector Unknown: SMF: 13 [13 - **13**] - 26 April 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 April 1999: ?: Collector Unknown: SMF: 4 [4 - **4**] - 9 May 1999: ?: Collector Unknown: SMF: 7 [7 - **7**] - 10 May 1999: ?: Collector Unknown: SMF: 5 [5 - **5**] - 21 May 1999: ?: Collector Unknown: SMF: 8 [8 - **8**] - 22 May 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 May 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 August 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 14 August 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 August 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 31 August 1999: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 September 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 September 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 September 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 10 September 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 14 September 1999: ?: Collector Unknown: SMF: 2 [2 - **2**] - 15 September 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 16 September 1999: ?: Collector Unknown: SMF: 2 [2 - **2**] - 19 September 1999: ?: Collector Unknown: SMF: 3 [3 - **3**] - 21 September 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 22 September 1999: ?: Collector Unknown: SMF: 6 [6 - **6**] - 6 October 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 October 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 26 October 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 November 1999: ?: Collector Unknown: SMF: 12 [12 - **12**] - 5 November 1999: ?: Collector Unknown: SMF: 3 [3 - **3**] - 12 November 1999: ?: Collector Unknown: SMF: 2 [2 - **2**] - 15 November 1999: ?: Collector Unknown: SMF: 10 [10 - **10**] - 26 February 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 29 February 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 March 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 4 March 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 March 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 10 March 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 14 March 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 March 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 March 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 21 March 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 30 March 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 April 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 6 April 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 10 April 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 25 April 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 4 May 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 10 May 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 11 May 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 16 May 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 May 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 21 May 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 May 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 26 May 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 30 May 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 31 May 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 7 September 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 8 September 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 15 September 2000: ?: Collector Unknown: SMF: 8 [8 - **8**] - 16 September 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 September 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 4 October 2000: ?: Collector Unknown: SMF: 5 [5 - **5**] - 15 October 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 October 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 November 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 November 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 November 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 7 November 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 November 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 24 November 2000: ?: Collector Unknown: SMF: 6 [6 - **6**] - 25 November 2000: ?: Collector Unknown: SMF: 9 [9 - **9**] - 26 November 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 November 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 December 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 18 April 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 16 June 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 June 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 November 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 November 2001: ?: Collector Unknown: SMF: 3 [3 - **3**] - 24 November 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 November 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 December 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 December 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 19 March 2002: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 March 2002: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 March 2002: ?: Collector Unknown: SMF: 2 [2 - **2** - **517**].

"piste de Lamtu": Collection Date Unknown: Vuattoux, René: MNHN: 1 [1 - **1** - **1**].

Abengourou: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Abengourou department: 6 March 1994: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Abidjan: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 24 June 1965: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 20 June 1968: De Vree, Frits; De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3** - **5**].

Abidjan Plateau: 24 February 1973: Vissault, Jacques: ZMA: 58 [58 - **58** - **58**].

Abidjan, 15 km NW: 12 November 1971: Gruwell, J.A.: CM: 1 [1]; Robbins, Lynn W.: AMNH: 4 [4 - **5** - **5**].

Abidjan, 17 km W: 1 October 1971: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].

Adiopodoumé: Collection Date Unknown: ?: Collector Unknown: MNHN: 25 [25]; Bellier, Louis: RMCA: 4 [4]; Doucet, J.: MHNG: 1 [1]; ORSTOM: RMCA: 1 [1]; Robbins, Lynn W.: AMNH: 2 [2]; Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 27 [27]; Vissault, Jacques: ZMA: 3, ZMB: 1 [4 - **64**] - 26 June 1953: Aellen, Villy: MHNG: 1 [1 - **1**] - 15 July 1953: Aellen, Villy: MHNG: 1 [1 - **1**] - 20 July 1953: Aellen, Villy: MHNG: 2 [2 - **2**] - 14 August 1953: Aellen, Villy: MHNG: 1 [1 - **1**] - 18 August 1953: Aellen, Villy: MHNG: 1 [1 - **1**] - 20 August 1953: Aellen, Villy: MHNG: 1 [1 - **1**] - 3 September 1953: Rahm, Uwe; Aellen, Villy: MHNG: 1 [1 - **1**] - 8 October 1953: Rahm, Uwe: MHNG: 1 [1 - **1**] - 15 January 1954: Rahm, Uwe; Aellen, Villy: MHNG: 1 [1 - **1**] - 28 May 1964: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 2 June 1964: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1**] - 2 June 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1**] - 16 July 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1**] - 3 August 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2**] - 12 October 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1**] - 22 December 1966: ?: Collector Unknown: ORSTOM: 2 [2]; Bellier, Louis: ZMA: 1 [1]; ORSTOM: RMCA: 2, ZMA: 1 [3 - **6**] - 23 June 1968: De Vree, Frits; De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6**] - 6 December 1968: LeDuc, James W.: USNM: 1 [1 - **1**] - 18 April 1969: Robbins, Lynn W.: USNM: 1 [1 - **1**] - 22 April 1969: LeDuc, James W.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2**] - 10 October 1969: ORSTOM: RMCA: 1 [1 - **1**] - 2 November 1969: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - 3 November 1969: ?: Collector Unknown: ORSTOM: 2 [2]; Vissault, Jacques: ZMA: 1 [1 - **3**] - 5 November 1969: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 19 November 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1**] - 30 January 1970: ORSTOM: RMCA: 1 [1 - **1**] - 26 March 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 31 March 1970: ORSTOM: RMCA: 1 [1 - **1**] - 11 May 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 15 May 1970: ?: Collector Unknown: ORSTOM: 8 [8]; Vissault, Jacques: ZMA: 6 [6 - **14**] - 10 July 1970: ORSTOM: RMCA: 5 [5 - **5**] - 11 July 1970: ORSTOM: RMCA: 23 [23 - **23**] - 15 July 1970: ORSTOM: RMCA: 1 [1 - **1**] - 11 August 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 14 August 1970: ORSTOM: RMCA: 1 [1 - **1**] - 20 October 1970: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 27 October

1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 28 October 1970: ?: Collector Unknown: MNHN: 1, ORSTOM: 4 [5]; Vissault, Jacques: ZMA: 1 [1 - **6**] - 29 October 1970: ORSTOM: RMCA: 2 [2 - **2**] - 30 October 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 3 November 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 8 November 1970: ORSTOM: ZMA: 1 [1 - **1**] - 14 November 1970: ?: Collector Unknown: ORSTOM: 7 [7]; Vissault, Jacques: ZMA: 4 [4 - **11**] - 16 November 1970: ?: Collector Unknown: ORSTOM: 7 [7]; Vissault, Jacques: ZMA: 2 [2 - **9**] - 28 December 1970: ORSTOM: RMCA: 1 [1 - **1**] - 12 August 1971: Robbins, Lynn W.: AMNH: 4 [4 - **4**] - 15 August 1971: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 24 August 1971: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 1 January 1972: ORSTOM: ZMA: 2 [2 - **2**] - 1 February 1972: Verheyen, Walter N.: RMCA: 1 [1 - **1**] - 4 February 1972: Verheyen, Walter N.: RMCA: 2 [2 - **2**] - 5 February 1972: Verheyen, Walter N.: RMCA: 5 [5 - **5**] - 8 February 1972: Verheyen, Walter N.: RMCA: 3 [3 - **3**] - 10 February 1972: Verheyen, Walter N.; Sehibi: RMCA: 1 [1 - **1**] - 11 February 1972: Verheyen, Walter N.: RMCA: 4 [4 - **4**] - 12 February 1972: Verheyen, Walter N.: RMCA: 8 [8 - **8**] - 14 February 1972: Verheyen, Walter N.; Lucien: RMCA: 38 [38]; Verheyen, Walter N.; Yao: RMCA: 1 [1 - **39**] - 15 February 1972: Verheyen, Walter N.; Lucien: RMCA: 22 [22]; Verheyen, Walter N.; Yao: RMCA: 4 [4 - **26**] - 17 February 1972: Verheyen, Walter N.; Sehibi: RMCA: 1 [1 - **1**] - 18 February 1972: Verheyen, Walter N.; Lucien: RMCA: 37 [37]; Verheyen, Walter N.; Yao: RMCA: 1 [1 - **38**] - 22 February 1972: Verheyen, Walter N.: RMCA: 3 [3]; Verheyen, Walter N.; Lucien: RMCA: 2 [2]; Verheyen, Walter N.; Sehibi: RMCA: 4 [4]; Verheyen, Walter N.; Yao: RMCA: 2 [2 - **11**] - 23 February 1972: Verheyen, Walter N.: RMCA: 1 [1]; Verheyen, Walter N.; Lucien: RMCA: 1 [1]; Verheyen, Walter N.; Sehibi: RMCA: 3 [3]; Verheyen, Walter N.; Yao: RMCA: 12 [12 - **17**] - 24 February 1972: ORSTOM: RMCA: 33 [33]; Verheyen, Walter N.: RMCA: 5 [5]; Verheyen, Walter N.; Lucien: RMCA: 2 [2 - **40**] - 26 February 1972: Verheyen, Walter N.; Yapi: RMCA: 4 [4 - **4**] - 28 February 1972: Verheyen, Walter N.; Michiels; Selens, M.: RMCA: 1 [1]; Verheyen, Walter N.; Yapi: RMCA: 11 [11 - **12**] - 1 March 1972: Verheyen, Walter N.; André: RMCA: 1 [1]; Verheyen, Walter N.; Yapi: RMCA: 1 [1 - **2**] - 3 March 1972: Verheyen, Walter N.: RMCA: 6 [6]; Verheyen, Walter N.; Yapi: RMCA: 8 [8 - **14**] - 4 March 1972: Verheyen, Walter N.; Yao: RMCA: 2 [2 - **2**] - 9 March 1972: Verheyen, Walter N.; Lucien: RMCA: 2 [2 - **2**] - 11 March 1972: Verheyen, Walter N.; Lucien: RMCA: 1 [1]; Verheyen, Walter N.; Yapi: RMCA: 8 [8 - **9**] - 13 March 1972: Verheyen, Walter N.; Yao: RMCA: 1 [1 - **1**] - 16 March 1972: Verheyen, Walter N.; Michel: RMCA: 7 [7 - **7**] - 17 March 1972: Verheyen, Walter N.; Michel: RMCA: 2 [2 - **2**] - 18 March 1972: Verheyen, Walter N.; Michel: RMCA: 2 [2 - **2**] - 23 March 1972: Verheyen, Walter N.; André: RMCA: 2 [2 - **2**] - 18 April 1972: ?: Collector Unknown: ORSTOM: 1 [1]; Vissault, Jacques: ZMA: 1 [1 - **2**] - 19 April 1972: ?: Collector Unknown: ORSTOM: 7 [7]; Vissault, Jacques: ZMA: 2 [2 - **9**] - 26 September 1972: ?: Collector Unknown: ORSTOM: 5 [5]; Vissault, Jacques: ZMA: 3 [3 - **8**] - 28 September 1972: ?: Collector Unknown: ORSTOM: 5 [5]; Vissault, Jacques: ZMA: 4 [4 - **9**] - 5 October 1972: ?: Collector Unknown: ORSTOM: 2 [2]; Vissault, Jacques: ZMA: 1 [1 - **3**] - 6 October 1972: ?: Collector Unknown: ORSTOM: 3 [3 - **3**] - 3 November 1972: ?: Collector Unknown: ORSTOM: 2 [2]; Vissault, Jacques: ZMA: 2 [2 - **4**] - 16 April 1973: Vissault, Jacques: ZMA: 13 [13 - **13**] - 27 October 1980: ORSTOM: ZMA: 1 [1 - **1** - **503**].

Adzopé: 8 March 1971: ?: Collector Unknown: ORSTOM: 14 [14]; Vissault, Jacques: ZMA: 2 [2 - **16**] - 3 August 1971: Vissault, Jacques: ZMA: 5 [5 - **5** - **21**].

Ahiérémou: 22 November 1972: ?: Collector Unknown: ORSTOM: 1 [1]; Vissault, Jacques: ZMA: 1 [1 - **2**] - 23 November 1972: ?: Collector Unknown: ORSTOM: 4 [4]; Vissault, Jacques: ZMA: 2 [2 - **6**] - 25 November 1972: ?: Collector Unknown: ORSTOM: 3 [3]; Vissault, Jacques: ZMA: 3 [3 - **6** - **14**].

Anda: 19 December 1968: LeDuc, James W.: RMCA: 1 [1]; Robbins: RMCA: 1 [1 - **2** - **2**].

Asakra: 8 September 1953: Rahm, Uwe; Aellen, Villy: MHNG: 3 [3 - **3** - **3**].

Assinie: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].

Azagny National Park: Collection Date Unknown: ?: Collector Unknown: MNHN: 10 [10 - **10**] - 2 December 2009: ?: Collector Unknown: MNHN: 1 [1 - **1** - **11**].

Banama Blanc: 18 July 1969: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 24 July 1969: Parelius, Daniel Arthur: FMNH: 7 [7 - **7**] - 25 July 1969: Parelius, Daniel Arthur: FMNH: 10 [10 - **10**] - 26 July 1969: Parelius, Daniel Arthur: FMNH: 6 [6 - **6**] - 28 July 1969: Parelius, Daniel Arthur: FMNH: 3 [3 - **3**] - 29 July 1969: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **28**].

Banco Forest: Collection Date Unknown: : USNM: 5 [5 - **5**] - 30 November 1968: LeDuc, James W.: USNM: 1 [1 - **1**] - 29 May 1969: Robbins, Lynn W.: USNM: 2 [2 - **2**] - 30 May 1969: McIntyre, T.J.: USNM: 1 [1 - **1**] - 30 November 1969: Robbins, Lynn W.: USNM: 1 [1 - **1** - **10**].

Banco, forêt de: 16 July 1953: Aellen, Villy: MHNG: 1 [1 - **1**] - 28 November 1968: LeDuc, James W.: USNM: 6 [6 - **6**] - 29 May 1969: LeDuc, James W.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **9**].

Bingerville: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Blékoum: 18 January 1969: LeDuc, James W.: USNM: 1 [1]; Robbins: RMCA: 1 [1 - **2**] - 21 January 1969: LeDuc, James W.: USNM: 2 [2 - **2** - **4**].

Blodi: Collection Date Unknown: ORSTOM: RMCA: 2 [2 - **2** - **2**].

Bolo: Collection Date Unknown: ?: Collector Unknown: MNHN: 5, ORSTOM: 11 [16]; Vissault, Jacques: ZMA: 7 [7 - **23**] - 31 January 1973: ?: Collector Unknown: ORSTOM: 3 [3]; Vissault, Jacques: ZMA: 3 [3 - **6**] - 1 February 1973: ?: Collector Unknown: ORSTOM: 1 [1]; Vissault, Jacques: ZMA: 2 [2 - **3**] - 2 February 1973: ?: Collector Unknown: ORSTOM: 1 [1]; Vissault, Jacques: ZMA: 2 [2 - **3** - **35**].

Bouaké: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Robbins, Lynn W.: AMNH: 1 [1 - **2**] - 1 January 1931: Logier, E.B.S.: MNHN: 1 [1 - **1**] - 4 December 1964: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 29 January 1965: Parelius, Daniel Arthur: FMNH: 2 [2 - **2**] - 5 February 1965: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 12 February 1965: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 13 February 1965: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 1 April 1965: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 16 April 1965: Parelius, Daniel Arthur: FMNH: 2 [2 - **2**] - 19 April 1965: Parelius, Daniel Arthur: FMNH: 2 [2 - **2**] - 24 May 1965: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 8 November 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 14 February 1972: Verheyen, Walter N.; Yao: RMCA: 1 [1 - **1** - **17**].

Bouaké, 25 km N: 31 October 1971: Gruwell, J.A.: CM: 1 [1 - **1** - **1**].

Bouna: Collection Date Unknown: : USNM: 1 [1]; McIntyre, T.J.: USNM: 3 [3]; Robbins, Lynn W.: USNM: 3 [3 - **7**] - 23 August 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 19 [19 - **19**] - 1 July 1969: Robbins, Lynn W.: USNM: 1 [1 - **1**] - 5 July 1969: McIntyre, T.J.: USNM: 4 [4]; Robbins, Lynn W.: USNM: 4 [4 - **8** - **35**].

Boundiali: 16 July 1969: Parelius, Daniel Arthur: FMNH: 2 [2 - **2**] - 16 August 1969: Parelius, Daniel Arthur: FMNH: 20 [20 - **20** - **22**].

Boundiali, 2 km S: 23 July 1970: Ailanjian, M.D.: LACM: 2 [2 - **2** - **2**].

Buyo, 15 km from: 1 January 1965: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].

Comoé National Park: 10 May 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 October 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 6 May 2000: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Cosrou: 24 July 1953: Aellen, Villy: MHNG: 2 [2 - **2**] - 19 August 1953: Aellen, Villy: MHNG: 2 [2 - **2** - **4**].

Dabakala: 17 July 1969: Parelius, Daniel Arthur: FMNH: 11 [11 - **11**] - 18 July 1969: Parelius, Daniel Arthur: FMNH: 12 [12 - **12**] - 19 July 1969: Parelius, Daniel Arthur: FMNH: 2 [2 - **2**] - 20 July 1969: Parelius, Daniel Arthur: FMNH: 5 [5 - **5**] - 21 July 1969: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **32**].
Déoulé: 28 June 1969: Parelius, Daniel Arthur: FMNH: 7 [7 - **7**] - 29 June 1969: Parelius, Daniel Arthur: FMNH: 4 [4 - **4** - **11**].
Diala: 2 December 1969: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].
Divo: Collection Date Unknown: ?: Collector Unknown: MNHN: 13 [13 - **13** - **13**].
Doropo: 24 August 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1**] - 26 August 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **2**].
Douna: 1 July 1969: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Duekoué: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Duékoué: Collection Date Unknown: : USNM: 1, ZMA: 1 [2]; ORSTOM: RMCA: 13 [13 - **15**] - 13 May 1953: Aellen, Villy: MHNG: 1 [1 - **1**] - 3 March 1969: LeDuc, James W.: ORSTOM: 1, ZMA: 1 [2]; Robbins, Lynn W.: ORSTOM: 1 [1 - **3**] - 22 June 1969: Parelius, Daniel Arthur: FMNH: 2 [2 - **2**] - 23 June 1969: Parelius, Daniel Arthur: FMNH: 2 [2 - **2**] - 24 June 1969: Parelius, Daniel Arthur: FMNH: 2 [2 - **2**] - 25 June 1969: Parelius, Daniel Arthur: FMNH: 2 [2 - **2** - **27**].
Ehania: 10 January 1969: LeDuc, James W.: RMCA: 1 [1]; Robbins, Lynn W.: RMCA: 1 [1 - **2**] - 12 January 1969: LeDuc, James W.: USNM: 2 [2]; Robbins, Lynn W.: RMCA: 1, USNM: 1 [2 - **4**] - 14 January 1969: Robbins, Lynn W.: RMCA: 1 [1 - **1**] - 9 March 1969: ORSTOM: RMCA: 2 [2 - **2** - **9**].
Fetekro: Collection Date Unknown: : USNM: 1 [1 - **1**] - 14 July 1969: Robbins, Lynn W.: USNM: 1 [1 - **1**] - 16 July 1969: McIntyre, T.J.: USNM: 3 [3]; Robbins, Lynn W.: USNM: 2 [2 - **5**] - 17 July 1969: McIntyre, T.J.: USNM: 2 [2 - **2**] - 18 July 1969: : USNM: 28 [28 - **28** - **37**].
Flampleu: 20 July 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2**] - 25 July 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2** - **4**].
Foro Foro: 21 August 1979: Thomas: HZM: 2 [2 - **2** - **2**].
Gboyo village: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Gopoupleu: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Guéboua: Collection Date Unknown: ORSTOM: RMCA: 3 [3 - **3**] - 25 June 1970: ORSTOM: ZMA: 1 [1 - **1**] - 17 October 1970: ORSTOM: RMCA: 2 [2 - **2**] - 25 November 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 12 June 1971: Robbins, Lynn W.: AMNH: 2 [2 - **2**] - 18 May 1973: Vissault, Jacques: ZMA: 1 [1 - **1** - **10**].
Guidéko: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Guitri: 6 August 1969: McIntyre, T.J.; Robbins, Lynn W.: USNM: 2 [2 - **2** - **2**].
I.D.E.R.T.: 9 July 1963: ORSTOM: RMCA: 1 [1 - **1**] - 26 March 1964: ORSTOM: RMCA: 1 [1 - **1** - **2**].
I'Orumbo: 20 February 1972: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **2**].
Ivory Coast: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Jackeville-Bingerville: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Jacqueville: 22 December 1968: LeDuc, James W.: USNM: 2 [2 - **2** - **2**].
Japo Sud: Collection Date Unknown: : USNM: 1 [1 - **1** - **1**].
Kadioa, near: 1 January 1969: Parelius, Daniel Arthur: FMNH: 2 [2 - **2**] - 31 July 1969: Parelius, Daniel Arthur: FMNH: 10 [10 - **10**] - 2 August 1969: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 3 August 1969: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 7 August 1969: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **15**].
Kahin: Collection Date Unknown: : USNM: 1 [1 - **1**] - 1 March 1969: LeDuc, James W.: USNM: 1 [1 - **1**] - 3 March 1969: Robbins, Lynn W.: USNM: 1 [1 - **1**] - 5 March 1969: LeDuc, James W.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **5**].
Kanan-Koffi-Kro: 1 September 1970: ORSTOM: RMCA: 12 [12 - **12** - **12**].
Konankoffikro: Collection Date Unknown: ?: Collector Unknown: MNHN: 6, ORSTOM: 14 [20 - **20**] - 1 September 1970: Vissault, Jacques: ZMA: 11 [11 - **11** - **31**].
Kong: Collection Date Unknown: LeDuc, James W.: USNM: 1 [1 - **1**] - 15 May 1969: LeDuc, James W.: USNM: 26 [26]; Robbins, Lynn W.: USNM: 1 [1 - **27**] - 19 May 1969: Robbins, Lynn W.: USNM: 2 [2 - **2** - **30**].
Korhogo: 18 June 1964: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 28 August 1968: Ailanjian, J.M.: LACM: 1 [1]; Ailanjian, M.D.: LACM: 1 [1 - **2** - **3**].
Korhogo Dept: 21 September 1968: Ailanjian, M.D.: LACM: 1 [1 - **1** - **1**].
Korhogo, 180 km E: 29 June 1970: Ailanjian, M.D.: LACM: 1 [1 - **1** - **1**].
Kpaboko: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Lakota, 15 km N: 11 June 1971: Robbins, Lynn W.: AMNH: 13 [13 - **13**] - 12 June 1971: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 12 July 1971: Robbins, Lynn W.: AMNH: 3 [3 - **3**] - 23 October 1971: Gruwell, J.A.: CM: 1 [1 - **1** - **18**].
Lallie, lake: 4 March 1972: Verheyen, Walter N.; Yao: RMCA: 1 [1 - **1** - **1**].
Lamto: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1]; Bellier, Louis: ZMA: 6 [6]; LeDuc, James W.; Robbins, Lynn W.: USNM: 4 [4]; ORSTOM: ZMA: 4 [4]; Vissault, Jacques: ZMA: 14 [14 - **29**] - 1 January 1963: Vissault, Jacques: ZMA: 1 [1 - **1**] - 30 May 1964: Bellier, Louis: ZMA: 1 [1]; Vissault, Jacques: ZMA: 1 [1 - **2**] - 3 June 1964: ORSTOM: ZMA: 1 [1 - **1**] - 26 June 1964: Vissault, Jacques: ZMA: 1 [1 - **1**] - 26 April 1968: ORSTOM: RMCA: 1 [1 - **1**] - 29 January 1969: LeDuc, James W.: USNM: 1 [1 - **1**] - 23 February 1970: Bellier, Louis: RMCA: 1 [1 - **1**] - 26 February 1970: Bellier, Louis: RMCA: 2 [2 - **2**] - 27 February 1970: Vissault, Jacques: ZMA: 2 [2 - **2**] - 23 March 1970: ORSTOM: RMCA: 1 [1 - **1**] - 23 April 1970: Vissault, Jacques: ZMA: 2 [2 - **2**] - 24 April 1970: Vissault, Jacques: ZMA: 2 [2 - **2**] - 25 April 1970: Vissault, Jacques: ZMA: 5 [5 - **5**] - 27 April 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 25 May 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 1 July 1970: ORSTOM: RMCA: 3 [3]; Vissault, Jacques: ZMA: 2 [2 - **5**] - 2 July 1970: ORSTOM: RMCA: 2 [2 - **2**] - 4 July 1970: ORSTOM: RMCA: 2 [2 - **2**] - 5 July 1970: ORSTOM: RMCA: 2 [2 - **2**] - 30 July 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 31 July 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 1 August 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 27 August 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 2 October 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 3 October 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 6 December 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 10 December 1970: Vissault, Jacques: ZMA: 1 [1 - **1**] - 21 January 1971: ORSTOM: RMCA: 1 [1 - **1**] - 20 February 1972: : ZMA: 1 [1]; Vissault, Jacques: ZMA: 1 [1 - **2**] - 13 January 1975: Vuattoux, René: HNHM: 1 [1 - **1**] - 1 February 1980: Thomas, D.: ROM: 2 [2 - **2** - **78**].
Lamto Ecology Station: Collection Date Unknown: ?: Collector Unknown: MNHN: 102, ORSTOM: 1 [103]; Bellier, Louis: ZMB: 1 [1 - **104**] - 9 April 1962: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 12 April 1962: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 18 April 1962: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 14 May 1964: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - 28 May 1964: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - 30 May 1964: ?: Collector Unknown: ORSTOM: 7 [7 - **7**] - 3 June 1964: ?: Collector Unknown: ORSTOM: 4 [4 - **4**] - 5 June 1964: ?: Collector Unknown: ORSTOM: 4 [4 - **4**] - 9 June 1964: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 26 June 1964: ?: Collector Unknown: MNHN: 1, ORSTOM: 5 [6 - **6**] - 7 July 1964: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 7 October 1967: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 December

1967: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 18 May 1968: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 20 May 1968: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 20 March 1969: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 1 August 1969: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 15 November 1969: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 27 February 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 23 April 1970: ?: Collector Unknown: ORSTOM: 4 [4 - **4**] - 24 April 1970: ?: Collector Unknown: ORSTOM: 4 [4 - **4**] - 25 April 1970: ?: Collector Unknown: ORSTOM: 7 [7 - **7**] - 27 April 1970: ?: Collector Unknown: ORSTOM: 4 [4 - **4**] - 25 May 1970: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - 27 May 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 28 May 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 26 June 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 1 July 1970: ?: Collector Unknown: ORSTOM: 10 [10 - **10**] - 2 July 1970: ?: Collector Unknown: ORSTOM: 3 [3 - **3**] - 4 July 1970: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - 5 July 1970: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - 30 July 1970: ?: Collector Unknown: ORSTOM: 7 [7 - **7**] - 31 July 1970: ?: Collector Unknown: ORSTOM: 5 [5 - **5**] - 1 August 1970: ?: Collector Unknown: ORSTOM: 4 [4 - **4**] - 2 August 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 27 August 1970: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - 2 October 1970: ?: Collector Unknown: ORSTOM: 1 [1]; : ORSTOM: 1 [1 - **2**] - 3 October 1970: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - 6 October 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 5 November 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 7 November 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 9 November 1970: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - 6 December 1970: ?: Collector Unknown: ORSTOM: 2 [2 - **2**] - 10 December 1970: ?: Collector Unknown: ORSTOM: 1 [1 - **1**] - 27 February 1971: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 23 June 1978: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 26 June 1978: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 1 July 1978: Fenton, Melville Brock: ROM: 2 [2 - **2**] - 6 July 1978: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 8 July 1978: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 11 July 1978: Fenton, Melville Brock: ROM: 1 [1 - **1** - **225**].

Lamto Reserve: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Lamto, 3 km from: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Madinani mountains, E of: 2 July 1969: Parelius, Daniel Arthur: FMNH: 4 [4 - **4**] - 3 July 1969: Parelius, Daniel Arthur: FMNH: 8 [8 - **8**] - 4 July 1969: Parelius, Daniel Arthur: FMNH: 11 [11 - **11**] - 5 July 1969: Parelius, Daniel Arthur: FMNH: 7 [7 - **7**] - 6 July 1969: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 7 July 1969: Parelius, Daniel Arthur: FMNH: 7 [7 - **7**] - 8 July 1969: Parelius, Daniel Arthur: FMNH: 7 [7 - **7** - **45**].

Matonguiné: Collection Date Unknown: Vissault, Jacques: ZMA: 2 [2 - **2**] - 24 January 1972: ORSTOM: RMCA: 1 [1 - **1**] - 17 January 1973: Vissault, Jacques: ZMA: 9 [9 - **9**] - 18 January 1973: Vissault, Jacques: ZMA: 7 [7 - **7**] - 19 January 1973: Vissault, Jacques: ZMA: 8 [8 - **8**] - 20 January 1973: ?: Collector Unknown: ORSTOM: 1 [1]; Vissault, Jacques: ZMA: 9 [9 - **10**] - 21 January 1973: ?: Collector Unknown: ORSTOM: 2 [2]; Vissault, Jacques: ZMA: 50 [50 - **52** - **89**].

Mount Nimba: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Niakaramandougou: 28 August 1985: Teugels, Guy G.: RMCA: 1 [1 - **1** - **1**].

Niébé: Collection Date Unknown: LeDuc, James W.; Robbins, Lynn W.: USNM: 3 [3 - **3**] - 25 February 1969: LeDuc, James W.: USNM: 1 [1 - **1**] - 26 February 1969: LeDuc, James W.: USNM: 1 [1 - **1**] - 27 February 1969: ?: Collector Unknown: ORSTOM: 1 [1]; Le Dun, J.W.: ZMA: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **8**].

Nimba, mount: 26 September 1966: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 28 September 1966: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 13 December 1966: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 14 December 1966: ?: Collector Unknown: MNHN: 1 [1 - **1** - **4**].

Ouango Fetini: 27 August 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2** - **2**].

Ouangofétini: Collection Date Unknown: Thomas, D.: ROM: 7 [7 - **7**] - 23 August 1979: Thomas, D.: ROM: 4 [4 - **4** - **11**].

Oumé: 28 May 1971: ORSTOM: RMCA: 1 [1 - **1** - **1**].

Pakobo: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].

Parc National de Mont Peko: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 21 February 1992: Lim, Burton K.: ROM: 19 [19 - **19**] - 22 February 1992: Lim, Burton K.: ROM: 7 [7 - **7**] - 23 February 1992: Lim, Burton K.: ROM: 5 [5 - **5**] - 24 February 1992: Lim, Burton K.: ROM: 11 [11 - **11** - **43**].

Parc National de Tai: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 13 February 1992: Lim, Burton K.: ROM: 4 [4 - **4**] - 15 February 1992: Lim, Burton K.: ROM: 1 [1 - **1**] - 16 February 1992: Lim, Burton K.: ROM: 4 [4 - **4**] - 17 February 1992: Lim, Burton K.: ROM: 2 [2 - **2**] - 18 February 1992: Lim, Burton K.: ROM: 2 [2 - **2**] - 27 February 1992: Lim, Burton K.: ROM: 2 [2 - **2**] - 6 December 1997: Formenty, Pierre: ZMA: 1 [1 - **1**] - 7 December 1997: Formenty, Pierre: ZMA: 1 [1 - **1** - **18**].

Pelotes: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Saibly: 2 August 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].

Sassandra River: Collection Date Unknown: : USNM: 11 [11]; Robbins, Lynn W.: ZMA: 2 [2 - **13**] - 18 February 1969: ?: Collector Unknown: ORSTOM: 2 [2 - **2** - **15**].

Saubre: 14 June 1969: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].

Séguélo: 3 July 1969: Parelius, Daniel Arthur: FMNH: 1 [1 - **1** - **1**].

Sibabli: Collection Date Unknown: : ROM: 2 [2 - **2** - **2**].

Sienso: 14 March 1969: LeDuc, James W.: USNM: 1 [1 - **1** - **1**].

Soubre: 15 May 1969: McIntyre, T.J.: USNM: 2 [2 - **2** - **2**].

Soubre, 10 mi WNW: 12 June 1969: McIntyre, T.J.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2**] - 13 June 1969: Robbins, Lynn W.: USNM: 1 [1 - **1** - **3**].

Tai: 31 March 1999: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Tiegba [5 locs]: 28 September 1954: Rahm, Uwe; Aellen, Villy: MHNG: 1 [1 - **1** - **1**].

Torgokaha: 11 July 1969: Parelius, Daniel Arthur: FMNH: 8 [8 - **8**] - 12 July 1969: Parelius, Daniel Arthur: FMNH: 1 [1 - **1**] - 13 July 1969: Parelius, Daniel Arthur: FMNH: 4 [4 - **4**] - 15 July 1969: Parelius, Daniel Arthur: FMNH: 4 [4 - **4** - **17**].

Toumodi: 19 August 1971: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].

Toumodi sud: 15 May 1964: Bellier, Louis: RMCA: 1 [1 - **1**] - 28 May 1964: Bellier, Louis: RMCA: 2 [2 - **2**] - 15 October 1964: Bellier, Louis: RMCA: 1 [1 - **1** - **4**].

Toumodi, 5 km SE: Collection Date Unknown: Robbins, Lynn W.: AMNH: 14 [14 - **14**] - 20 August 1971: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **15**].

Toyébli: 1 August 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 8 [8 - **8**] - 2 August 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1**] - 3 August 1966: Verheyen, Walter N.; Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2** - **11**].

Tule: Collection Date Unknown: : USNM: 1 [1 - **1**] - 12 May 1969: LeDuc, James W.: USNM: 1 [1 - **1** - **2**].

Tyenko: 7 March 1969: LeDuc, James W.: USNM: 2 [2 - **2** - **2**].

Yabrasso: Collection Date Unknown: : USNM: 1 [1 - **1** - **1**].

Yama: 19 March 1969: LeDuc, James W.: RMCA: 2 [2 - **2**] - 20 March 1969: : USNM: 7 [7]; LeDuc, James W.: ZMA: 1 [1 - **8** - **10**].
Yapo-Sud: Collection Date Unknown: LeDuc, James W.: USNM: 3 [3 - **3**] - 11 December 1968: Robbins, Lynn W.: USNM: 3 [3 - **3**] - 13 December 1968: Robbins, Lynn W.: USNM: 1 [1 - **1** - **7**].
Zebé or Zégbé: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Côte d'Ivoire: 2252

Djibouti

Unknown locality: Collection Date Unknown: MNHN: 3 [3 - **3** - **3**].
Ali Sabiet and Dikkit: 6 July 1952: Wells, W.H.; Kuntz, Robert E.: USNM: 2 [2 - **2** - **2**].
Ali-Sabieh: 6 July 1950: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].
Ambouli State Gardens: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ardo, 500 m E: 1 March 1999: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Djibouti: Collection Date Unknown: Revoil: MCZ: 1 [1 - **1**] - 4 July 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **2**].
Mount Day: 8 August 1969: Eccles, D.J.: BMNH: 1 [1 - **1** - **1**].
no specific locality: Collection Date Unknown: Biedermann: ZMB: 1 [1 - **1** - **1**].
Obock: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5]; Jousseaume: MNHN: 1 [1 - **6**] - 1 January 1895: Tousseaume.: MNHN: 3 [3 - **3** - **9**].
Somali française: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Djibouti: 27

Egypt

Unknown locality: Collection Date Unknown: BMNH: 259, HNHM: 1, MNHN: 17, OMNH: 4, RMNH: 21, SAMA: 1, SMF: 14, SMTD: 1, WAM: 2, YPM: 7, ZMA: 1, ZMB: 2 [330]; : SMF: 9, SMNS: 4, ZMH: 1 [14]; Anderson, John: MCZ: 1 [1]; Bennwarth: SMF: 1 [1]; Brongersma, Leo Daniel: RMNH: 1 [1]; Christie, J.: BMNH: 2 [2]; Clot, Antoine Barthélémy: RMNH: 2 [2]; de Selys-Longschamps, Edmond: RBINS: 1 [1]; Dobson, George Edward: BMNH: 1 [1]; Doria, Giacomo: ZMB: 6 [6]; Effeld: ZMB: 8 [8]; Ehrenberg, Christian Gottfried: ZMB: 1 [1]; Fritsch: ZMB: 1 [1]; Geoffroy-Saint-Hilaire, Etienne: RMNH: 1 [1]; Hemprich, Friedrich Wilhelm: RMNH: 1 [1]; Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: ZMB: 23 [23]; Heuglin, Martin Theodor von: NMW: 1 [1]; Hoogstraal, Harry H.: FMNH: 125, USNM: 117 [242]; Lefebvre, A.: MNHN: 1 [1]; Letourneau, Charles: MNHN: 1 [1]; Michahelles, Karl: ZMB: 3 [3]; Nehring, Alfred: ZMB: 1 [1]; Pareiß: ZMB: 1 [1]; Reed, C.A.: YPM: 10 [10]; Rüppell, Wilhem Peter Edward Simon: RMNH: 6, SMF: 10 [16]; Schlieffen, Afred von: ZMB: 1 [1]; Schlüter, Wilhelm: USNM: 1 [1]; Von Heuglin, Theodor: NMW: 2 [2]; von Müller: SMNS: 1 [1]; von Sack, Gustav: ZMB: 1 [1]; Ward, Henry Augustus: MCZ: 1 [1]; Ward's Natural Sciences Estabishment, The: MCZ: 1 [1 - **678**] - 1 January 1822: Rüppell, Wilhem Peter Edward Simon: SMF: 2 [2 - **2**] - 1 January 1831: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1**] - 1 January 1843: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 1 January 1853: ?: Collector Unknown: SMNS: 2 [2 - **2**] - 1 January 1866: ?: Collector Unknown: AMNH: 1 [1 - **1**] - 1 January 1894: Schlüter, Wilhelm: ZFMK: 1 [1 - **1**] - 11 April 1914: Lohr, R.: NMW: 1 [1 - **1**] - 25 July 1932: de Selys-Longschamps, Edmond: RBINS: 1 [1 - **1**] - 1 January 1945: Schneider, G.: MHNG: 2 [2 - **2**] - 14 May 1950: ?: Collector Unknown: OMNH: 4 [4 - **4**] - 1 January 1962: ?: Collector Unknown: YPM: 6 [6 - **6**] - 19 March 1964: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 April 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 December 1982: ?: Collector Unknown: SMF: 3 [3 - **3**] - 15 September 1987: ?: Collector Unknown: SMF: 4 [4 - **4** - **709**].
"Tor Sinai": Collection Date Unknown: Plate: ZMB: 1 [1 - **1** - **1**].
Abbassia: 1 January 1975: Wassif, Kamal: ZMA: 1 [1 - **1** - **1**].
Abu Ghaleb, 2 km N: 27 July 1981: Qumsiyeh, Mazin B.: CM: 7 [7 - **7** - **7**].
Abu Rawash: Collection Date Unknown: Hoogstraal, Harry H.: FMNH: 8, USNM: 19 [27 - **27**] - 3 March 1909: Bonhote, John James Lewis; Flower, Stanley Smyth: BMNH: 1 [1 - **1**] - 4 April 1924: Alexander, Annie Montague: MVZ: 8 [8 - **8**] - 27 December 1946: Tomich, P. Quentin: MVZ: 1, USNM: 14 [15 - **15**] - 30 January 1950: Wells, W.H.; Kuntz, Robert E.: USNM: 2 [2 - **2**] - 12 May 1950: Hoogstraal, Harry H.: FMNH: 13, USNM: 12 [25 - **25**] - 25 June 1950: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 21 September 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 21 October 1950: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 12 March 1951: Hoogstraal, Harry H.: FMNH: 18, USNM: 2 [20 - **20**] - 14 March 1951: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 18 March 1951: Hoogstraal, Harry H.: FMNH: 28 [28 - **28**] - 7 April 1951: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 22 April 1951: Hoogstraal, Harry H.: FMNH: 6, USNM: 3 [9 - **9**] - 19 May 1951: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 21 May 1951: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8**] - 23 May 1951: Hoogstraal, Harry H.: FMNH: 3, USNM: 3 [6 - **6**] - 8 June 1951: Malakatis, G.M.; Kuntz, Robert E.: USNM: 1 [1 - **1**] - 19 June 1951: Kuntz, Robert E.: USNM: 25 [25 - **25**] - 6 September 1951: ?: Collector Unknown: OMNH: 3 [3 - **3**] - 24 September 1951: Hoogstraal, Harry H.: FMNH: 12 [12 - **12**] - 25 September 1951: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 6 October 1951: Hoogstraal, Harry H.: FMNH: 7 [7 - **7**] - 12 October 1951: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - 23 October 1951: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 1 January 1952: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - 7 April 1952: Hoogstraal, Harry H.: FMNH: 30, USNM: 2 [32 - **32**] - 16 April 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 10 June 1952: Hoogstraal, Harry H.: FMNH: 12, USNM: 11 [23 - **23**] - 9 August 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 20 August 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 22 August 1952: Hoogstraal, Harry H.: FMNH: 28, USNM: 28 [56 - **56**] - 4 September 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 11 September 1952: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 18 September 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 22 September 1952: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - 29 September 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 1 October 1952: Hoogstraal, Harry H.: FMNH: 5, USNM: 4 [9 - **9**] - 8 October 1952: Hoogstraal, Harry H.: FMNH: 7, USNM: 7 [14 - **14**] - 28 October 1952: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 31 October 1952: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 3 November 1952: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 18 December 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 19 December 1952: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 12 January 1953: Hoogstraal, Harry H.: FMNH: 5, USNM: 5 [10 - **10**] - 5 February 1953: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 26 March 1953: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 9 May 1953: Hoogstraal, Harry H.: FMNH: 9 [9 - **9**] - 10 June 1953: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - 15 June 1953: ?: Collector Unknown: OMNH: 1 [1 - **1**] - 24 June 1953: Hoogstraal, Harry H.:

FMNH: 4, USNM: 7 [11 - **11**] - 27 June 1953: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - 13 October 1953: Hoogstraal, Harry H.: FMNH: 6, USNM: 1 [7 - **7**] - 15 October 1953: Hoogstraal, Harry H.: FMNH: 9 [9 - **9**] - 16 October 1953: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 22 October 1953: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 25 October 1953: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 27 October 1953: Hoogstraal, Harry H.: FMNH: 3, USNM: 4 [7 - **7**] - 5 November 1953: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 8 April 1954: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 4 May 1954: Hoogstraal, Harry H.: FMNH: 3, USNM: 5 [8 - **8**] - 12 May 1954: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 2 January 1955: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 7 January 1955: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 17 January 1955: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 4 February 1955: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 18 February 1955: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 27 May 1955: Hoogstraal, Harry H.: FMNH: 5, USNM: 5 [10 - **10**] - 20 June 1955: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - 3 May 1956: Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 1 [1 - **1**] - 5 May 1956: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 25 September 1956: Hoogstraal, Harry H.: FMNH: 1 [1]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 1 [1 - **2**] - 26 January 1957: Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 1 [1 - **1**] - 20 June 1957: Hoogstraal, Harry H.: FMNH: 2 [2]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 2 [2 - **4**] - 21 June 1957: Hoogstraal, Harry H.: FMNH: 2 [2]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 2 [2 - **4**] - 26 June 1957: Hoogstraal, Harry H.: FMNH: 6 [6]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 5 [5 - **11**] - 10 October 1957: Hoogstraal, Harry H.: FMNH: 2 [2]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 2 [2 - **4**] - 23 October 1957: Hoogstraal, Harry H.: FMNH: 1 [1]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 1 [1 - **2**] - 2 December 1957: Hoogstraal, Harry H.; Kaiser, M.N.: FMNH: 1 [1 - **1**] - 1 January 1958: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 29 April 1958: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8**] - 16 June 1958: Hoogstraal, Harry H.: FMNH: 6, USNM: 6 [12 - **12**] - 17 June 1958: Hoogstraal, Harry H.: FMNH: 14, USNM: 14 [28 - **28**] - 19 June 1958: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 20 June 1958: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 28 December 1958: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 30 December 1958: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 2 January 1959: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 10 March 1959: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 20 March 1959: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 25 March 1959: Hoogstraal, Harry H.: USNM: 8 [8 - **8**] - 27 March 1959: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 1 April 1959: Hoogstraal, Harry H.: USNM: 2 [2 - **2**] - 15 April 1959: Roer, Hubert: NMP: 1, ZFMK: 24 [25 - **25**] - 22 April 1959: Hoogstraal, Harry H.: FMNH: 6, USNM: 3 [9 - **9**] - 8 May 1959: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8**] - 12 June 1959: Hoogstraal, Harry H.: FMNH: 4, USNM: 2 [6 - **6**] - 15 June 1959: Hoogstraal, Harry H.: FMNH: 9, USNM: 1 [10 - **10**] - 21 June 1959: Hoogstraal, Harry H.: USNM: 3 [3 - **3**] - 22 June 1959: Hoogstraal, Harry H.: FMNH: 7, USNM: 2 [9 - **9**] - 23 June 1959: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 10 July 1959: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 13 July 1959: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 1 August 1959: Hoogstraal, Harry H.: FMNH: 2, USNM: 1 [3 - **3**] - 13 August 1959: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 1 January 1960: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - 3 February 1960: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 6 February 1960: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 8 February 1960: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - 16 February 1960: Hoogstraal, Harry H.: FMNH: 2, USNM: 1 [3 - **3**] - 1 March 1960: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - 8 March 1960: Hoogstraal, Harry H.: USNM: 4 [4 - **4**] - 7 August 1960: Hoogstraal, Harry H.: FMNH: 9, USNM: 5 [14 - **14**] - 17 January 1962: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 5 December 1962: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 16 July 1963: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 24 September 1964: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 1 December 1964: Hoogstraal, Harry H.: FMNH: 8 [8 - **8**] - 12 March 1965: Hoogstraal, Harry H.: FMNH: 13 [13 - **13**] - 23 March 1965: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 13 August 1965: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 15 December 1965: Madkour, Gamal: CM: 2 [2 - **2**] - 27 March 1966: Madkour, Gamal: CM: 1 [1 - **1**] - 23 September 1966: Maser, Christopher: YPM: 1 [1 - **1**] - 16 December 1966: Madkour, Gamal: CM: 1 [1 - **1**] - 23 January 1967: Madkour, Gamal: CM: 1 [1 - **1**] - 15 June 1971: Ryšavý, B.: IVB: 17 [17 - **17**] - 19 July 1971: Groschaft, J.; Ryšavý, B.: NMP: 3 [3 - **3**] - 8 July 1980: Robbins, Lynn W.: CM: 1 [1 - **1**] - 9 February 1992: Hunter in house: CM: 2 [2 - **2** - **770**].

Abu Rawash, 2 km N: Collection Date Unknown: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 25 March 1959: Hoogstraal, Harry H.: FMNH: 14 [14 - **14**] - 1 April 1959: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **16**].

Abu Rawash, 5 km W: 9 August 1952: Hoogstraal, Harry H.: FMNH: 3, USNM: 3 [6 - **6**] - 26 August 1952: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **8**].

Abu Rihal, W of: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].

Abu Roash: Collection Date Unknown: : SMF: 4 [4 - **4**] - 27 February 1903: Flower, Stanley Smyth: BMNH: 2 [2 - **2**] - 31 March 1903: Flower, Stanley Smyth: BMNH: 4 [4 - **4** - **10**].

Abu Simbel: 9 February 1910: Le-Roi, Otto: ZFMK: 1 [1 - **1**] - 21 January 1963: Brongersma, Leo Daniel: RMNH: 1 [1 - **1** - **2**].

Abu Sir: 6 April 1951: Hoogstraal, Harry H.: FMNH: 27 [27 - **27**] - 22 April 1951: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 7 April 1952: Hoogstraal, Harry H.: FMNH: 12, USNM: 28 [40 - **40**] - 13 January 1953: Hoogstraal, Harry H.: FMNH: 14 [14 - **14**] - 26 January 1953: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 16 December 1953: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **87**].

Abu Sir cave: 4 April 1964: Seymour, Charles: YPM: 1 [1]; Seymour, Charles; Mathiasson, S.: YPM: 12 [12 - **13** - **13**].

Abu Zenima, 18 km N, 4 km from sea: 25 January 1985: Goodman, Steven M.: UMMZ: 2 [2 - **2** - **2**].

Aburoash: 1 March 1914: Bonhote, John James Lewis: BMNH: 1 [1 - **1** - **1**].

Ain El Furtaga: 16 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 9 [9 - **9** - **9**].

Ain Hudra: 14 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1**] - 15 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **2**].

Ain Sudr: 18 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **1**].

Al Bahariya: 17 October 2011: Lucan, Radek K.: NMP: 3 [3 - **3** - **3**].

Al Bahr Al Ahmar: Collection Date Unknown: Klunzinger: ZMB: 2 [2 - **2** - **2**].

Al Jiza governorate: 8 May 1950: ?: Collector Unknown: OMNH: 13 [13 - **13**] - 14 June 1951: Hoogstraal, Harry H.: FLMNH: 1 [1 - **1**] - 26 June 1953: Hoogstraal, Harry H.: FLMNH: 1 [1 - **1**] - 27 October 1957: Hoogstraal, Harry H.; Kaiser, M.N.: FLMNH: 1 [1 - **1** - **16**].

Al Jiza province: 8 May 1950: Wells, W.H.: USNM: 1 [1 - **1** - **1**].

Al Qasr: 20 January 2010: Benda, Petr; Lucan, Radek K.; Horácek, Ivan: NMP: 2 [2 - **2** - **2**].

Al Rashda: 13 October 2011: Lucan, Radek K.: NMP: 4 [4 - **4** - **4**].

Alexandria: 1 January 1891: Siépy: MNHN: 3 [3 - **3**] - 19 December 1964: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **4**].

Arabia Petraea: 1 January 1860: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1** - **1**].

Assuan: Collection Date Unknown: Anderson, John: ZMA: 1 [1 - **1** - **1**].

Aswan: Collection Date Unknown: Anderson, John: BMNH: 1 [1 - **1**] - 1 October 1964: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 10 October 1964: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - 25 February 1966: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - 4

July 1979: Robbins, Lynn W.: CM: 1 [1 - **1**] - 24 January 2010: Benda, Petr; Lucan, Radek K.; Horácek, Ivan: NMP: 1 [1 - **1** - **17**].

Aswan [in Egypt and Chondek, Northern Province in Sudan]: 1 September 1821: Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: ZMB: 1 [1 - **1** - **1**].

Aswan Tombs: 21 December 1963: Helmy, Ibrahim; Maser, Christopher: YPM: 11 [11 - **11** - **11**].

Ataka Mountains: 5 March 1982: Jennings, M.C.: HZM: 1 [1 - **1** - **1**].

Bahig: 9 May 1962: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 16 August 1965: Kiepenhauer; Linsenmair; U.S. Navy Medical Research Unit 3 (NaMRU 3), The: SMF: 1 [1 - **1**] - 1 October 1975: Barker, Robert H.: YPM: 1 [1 - **1** - **3**].

Bakkari: 9 April 1956: Hoogstraal, Harry H.: FMNH: 54, USNM: 60 [114 - **114** - **114**].

Baryeh Oasis: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Bawiti: Collection Date Unknown: ?: Collector Unknown: NMP: 2 [2 - **2** - **2**].

Beheira governate: 30 March 1957: Hoogstraal, Harry H.: FLMNH: 1 [1 - **1** - **1**].

Beltim: Collection Date Unknown: Anderson; Anderson, John: BMNH: 1 [1 - **1** - **1**].

Between Abu-Rawash and the pyramids: 27 September 1957: Dely, O.Gy.: HNHM: 1 [1 - **1** - **1**].

between Cairo and Ismailia: 5 September 1962: Rau, R.: SMF: 1 [1 - **1** - **1**].

Bir Abraq: 24 February 1954: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 25 February 1954: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 26 February 1954: Hoogstraal, Harry H.: FMNH: 4, USNM: 1 [5 - **5** - **9**].

Bir Abu Saafa: 1 April 1985: Goodman, Steven M.: UMMZ: 1 [1 - **1** - **1**].

Bir Kohila: 30 May 1984: Osborn, Dale James: NMP: 5 [5 - **5** - **5**].

Bir Nagat: 30 May 1984: Osborn, Dale James: NMP: 1 [1 - **1**] - 2 June 1984: Osborn, Dale James: NMP: 1 [1 - **1**] - 4 June 1984: Osborn, Dale James: NMP: 1 [1 - **1** - **3**].

Bulaq: Collection Date Unknown: Siya, S.: BMNH: 1 [1 - **1** - **1**].

Burgh-El-Arab: 21 June 1951: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 6 May 1953: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 29 December 1964: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 16 May 1967: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **9**].

Cairo: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, NMV: 1, SAMA: 2 [4]; : BMNH: 3, SMF: 1 [4]; Kulzer, Edwin: SMF: 4 [4]; Schlieffen, Afred von: ZMB: 3 [3]; Stuhlmann, Franz Ludwig: ZMH: 1 [1 - **16**] - 10 July 1931: : SMF: 1 [1 - **1**] - 1 January 1955: Kulzer, Edwin: SMF: 4 [4 - **4**] - 6 November 1996: Kompanje, Erwin J.O.: NMR: 1 [1 - **1** - **22**].

Cairo and Ismaila, between: 5 September 1962: Rau, R.: SMF: 1 [1 - **1** - **1**].

Cairo Citadel: 20 August 1952: Hoogstraal, Harry H.: FMNH: 9 [9 - **9**] - 2 October 1952: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 12 January 1954: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **12**].

Cairo, 20 km S: Collection Date Unknown: Beccari, Odoardo: ZMB: 1 [1]; Hornung: CAS: 1 [1]; Kistel: ZMB: 1 [1]; Schlieffen, Afred von: ZMB: 3 [3 - **6**] - 10 December 1872: Roosevelt, Theodore (Teddy): USNM: 1 [1 - **1**] - 1 January 1885: Innes, Walter F.: BMNH: 1 [1 - **1**] - 1 March 1891: Stuhlmann, Franz Ludwig: ZMH: 1 [1 - **1**] - 1 January 1955: Kulzer, Edwin: SMF: 7 [7 - **7**] - 1 January 1966: Kulzer, Edwin: SMF: 30 [30 - **30**] - 3 June 1989: Stuhlmann, Franz Ludwig: ZMH: 1 [1 - **1** - **47**].

Cairo, 20 mi E: 25 August 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Cairo, 5 km E: 26 February 1960: Hoogstraal, Harry H.: FMNH: 4, USNM: 2 [6 - **6** - **6**].

Cairo, Gizeh and Theben, between: Collection Date Unknown: Anderson, John: BMNH: 2 [2 - **2** - **2**].

Cairo, near: Collection Date Unknown: Rothschild, H.: USNM: 1 [1 - **1**] - 6 June 1880: Mook: NMW: 1 [1 - **1**] - 15 March 1906: Innes, Walter F.: MSNG: 1 [1 - **1**] - 15 July 1906: Innes, Walter F.: MSNG: 1 [1 - **1** - **4**].

Dahshur: 17 November 1879: Schroder, G.: USNM: 1 [1 - **1**] - 11 January 1965: Hoogstraal, Harry H.: FMNH: 21 [21 - **21** - **22**].

Dakhla Oasis: 21 March 1984: Goodman, Steven M.: UMMZ: 1 [1 - **1** - **1**].

Denderah [=Dandarah]: Collection Date Unknown: Hartmann, von Barnim: ZMB: 6 [6]; von Barnim, Hartmann: ZMB: 1 [1 - **7**] - 13 October 1962: Glaser: SMF: 1 [1 - **1**] - 18 July 1981: Qumsiyeh, Mazin B.: CM: 3 [3 - **3**] - 19 July 1981: Qumsiyeh, Mazin B.: CM: 2 [2 - **2**] - 4 June 1998: Fraas; Mangold: SMNS: 3 [3 - **3** - **16**].

Denderah Temple: 23 January 1875: Cory, Charles Barney: FMNH: 1 [1 - **1**] - 8 September 1966: Hoogstraal, Harry H.: FMNH: 19 [19 - **19**] - 1 November 1978: Tattersall, Ian: AMNH: 2 [2 - **2** - **22**].

Dihmit: 1 April 1908: Wood Jones, Frederic: SAMA: 26 [26 - **26** - **26**].

Durunka: 28 March 1957: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].

Dush Temple: 3 December 1966: Hoogstraal, Harry H.: FMNH: 14 [14 - **14** - **14**].

Eastern desert of Egypt: 3 August 1903: MacKilligan, Arthur M.: BMNH: 1 [1 - **1** - **1**].

Edfu: 18 August 1963: Kiepenhauer; Linsenmair; U.S. Navy Medical Research Unit 3 (NaMRU 3), The: SMF: 29 [29 - **29**] - 4 July 1979: Helmy, Ibrahim: CM: 7 [7 - **7**] - 8 August 1979: Helmy, Ibrahim: CM: 2 [2]; Robbins, Lynn W.: CM: 2 [2 - **4** - **40**].

El A'agab: 25 January 2010: Benda, Petr; Lucan, Radek K.; Horácek, Ivan: NMP: 1 [1 - **1** - **1**].

El A'aqab: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].

El Arish: 1 August 1951: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 31 August 1951: Wassif, Kamal: USNM: 3 [3 - **3** - **6**].

El Faiyum: 25 July 1971: Ryšavý, B.: NMP: 4 [4 - **4** - **4**].

El Guan: 28 April 1959: Hoogstraal, Harry H.: USNM: 6 [6 - **6** - **6**].

El Khatatba: 30 March 1952: Hoogstraal, Harry H.: FMNH: 35 [35 - **35** - **35**].

El Lahun: 25 May 1952: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

El Lisht: Collection Date Unknown: Hrdlicka, Aleš: FMNH: 3 [3 - **3** - **3**].

El Maabdeh cave: 1 January 1885: Senna, Angelo: USNM: 1 [1 - **1** - **1**].

El Mansuriya: 28 May 1951: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 1 July 1951: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8** - **10**].

El Mansuriya, 4 km W: 25 May 1951: Hoogstraal, Harry H.: FMNH: 23 [23 - **23**] - 28 May 1951: Hoogstraal, Harry H.: FMNH: 9 [9 - **9**] - 29 May 1951: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 30 May 1951: Hoogstraal, Harry H.: FMNH: 10 [10 - **10** - **43**].

El Milga: 9 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **1**].

El Qasr: 11 March 1956: Hoogstraal, Harry H.: FMNH: 3 [3]; Hoogstraal, Harry H.; Kaiser, M.N.: FMNH: 3 [3 - **6** - **6**].

El Qatta: 18 December 1958: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

El Sheikh Salem: 28 April 1959: Hoogstraal, Harry H.: FMNH: 12 [12 - **12** - **12**].

El Tur: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1]; Anderson, John: BMNH: 1 [1 - **2**] - 10 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1**] - 11 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **4**].

El Wilidiya: 2 April 1957: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **3**].
El-'Aiyat: 22 May 1953: Hoogstraal, Harry H.: FMNH: 15 [15 - **15**] - 27 May 1953: Hoogstraal, Harry H.: FMNH: 19 [19 - **19** - **34**].
Faiyoum: 1 January 1950: ?: Collector Unknown: OMNH: 11 [11 - **11** - **11**].
Fayoum, caves: 26 January 1950: Wells, W.H.; Kuntz, Robert E.: USNM: 1 [1 - **1**] - 27 January 1950: Wells, W.H.; Kuntz, Robert E.: USNM: 2 [2 - **2** - **3**].
Feiran: 10 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 11 [11 - **11** - **11**].
Gebel Adda: 20 January 1964: Maser, Christopher; Seymour, Charles: YPM: 3 [3 - **3**] - 7 February 1964: Maser, Christopher; Seymour, Charles: YPM: 2 [2 - **2**] - 9 February 1964: Maser, Christopher; Seymour, Charles: YPM: 4 [4 - **4**] - 10 February 1964: Maser, Christopher; Seymour, Charles: YPM: 1 [1 - **1** - **10**].
Gebel el Ahmar: 16 March 1953: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 5 November 1963: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **2**].
Gebel el Lahun: 8 August 1988: Handwerk, Johannes: ZFMK: 3 [3 - **3** - **3**].
Gezira Island: 2 October 1946: Tomich, P. Quentin: MVZ: 1, USNM: 7 [8 - **8** - **8**].
Giza: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 4 [4]; Geoffroy-Saint-Hilaire, Etienne: MNHN: 1 [1]; Hasselquist: ZMUC: 1 [1 - **7**] - 1 January 1824: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1**] - 13 December 1912: ?: Collector Unknown: MCZ: 4 [4]; Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 3 [3 - **7**] - 7 August 1979: Robbins, Lynn W.: TTU: 2 [2 - **2** - **17**].
Gîza: 22 March 1922: Flower, Stanley Smyth: BMNH: 1 [1 - **1**] - 28 March 1922: Flower, Stanley Smyth: BMNH: 1 [1 - **1** - **2**].
Giza [=Gizeh]: Restricted from "Egypt" to Giza: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Giza Pyramid: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Rüppell, Wilhem Peter Edward Simon: SMF: 4 [4 - **5** - **5**].
Giza pyramid, 1 km N: 8 September 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Giza pyramid, 2 km from: 12 May 1950: Hoogstraal, Harry H.: FMNH: 9, USNM: 10 [19 - **19**] - 28 May 1950: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **25**].
Giza Pyramids: Collection Date Unknown: ?: Collector Unknown: CAS: 5 [5]; Doria, Giacomo: USNM: 1 [1]; Tomich, P. Quentin: MVZ: 1 [1]; Wells, W.; Randall, B.: USNM: 1 [1 - **8**] - 1 January 1946: Tomich, P. Quentin: USNM: 2 [2 - **2**] - 12 July 1946: Tomich, P. Quentin: USNM: 8 [8 - **8**] - 17 July 1946: Tomich, P. Quentin: USNM: 6 [6 - **6**] - 18 July 1946: Tomich, P. Quentin: USNM: 2 [2 - **2**] - 20 July 1946: Tomich, P. Quentin: USNM: 1 [1 - **1**] - 31 July 1946: Tomich, P. Quentin: USNM: 1 [1 - **1**] - 20 August 1946: Tomich, P. Quentin: USNM: 4 [4 - **4**] - 22 November 1946: Tomich, P. Quentin: USNM: 3 [3 - **3**] - 10 October 1949: Wells, W.H.; Kuntz, Robert E.: USNM: 1 [1 - **1**] - 15 March 1950: Wells, W.H.; Kuntz, Robert E.: USNM: 3 [3 - **3**] - 16 March 1950: ?: Collector Unknown: OMNH: 9 [9]; Wells, W.H.; Kuntz, Robert E.: USNM: 3 [3 - **12**] - 20 May 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 21 May 1950: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 14 March 1951: Hoogstraal, Harry H.: FMNH: 4, USNM: 3 [7 - **7**] - 14 May 1951: ?: Collector Unknown: OMNH: 17 [17 - **17**] - 14 June 1951: Hoogstraal, Harry H.: FMNH: 102, USNM: 2 [104 - **104**] - 20 September 1951: Hoogstraal, Harry H.: FMNH: 134, USNM: 112 [246 - **246**] - 24 September 1951: Hoogstraal, Harry H.: USNM: 12 [12 - **12**] - 14 February 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 23 April 1952: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 24 May 1952: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 2 September 1952: Hoogstraal, Harry H.: FMNH: 3, USNM: 1 [4 - **4**] - 23 December 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 27 January 1953: Hoogstraal, Harry H.: FMNH: 7 [7 - **7**] - 9 May 1953: Hoogstraal, Harry H.: FMNH: 10 [10 - **10**] - 9 June 1953: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 10 June 1953: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 11 June 1953: Hoogstraal, Harry H.: FMNH: 16 [16 - **16**] - 12 June 1953: Hoogstraal, Harry H.: USNM: 6 [6 - **6**] - 15 June 1953: ?: Collector Unknown: CAS: 3 [3 - **3**] - 12 November 1953: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - 15 December 1953: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 9 June 1959: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **508**].
Giza pyramids area: 3 August 1951: Hoogstraal, Harry H.: FMNH: 14, USNM: 1 [15 - **15**] - 9 August 1951: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 20 September 1951: Hoogstraal, Harry H.: FMNH: 8, USNM: 4 [12 - **12**] - 7 August 1984: Pierson, Elizabeth D.: MVZ: 28 [28 - **28** - **57**].
Giza, near: 17 November 1908: Nicoll, Michael John: BMNH: 1 [1 - **1** - **1**].
Giza, pyramids: 20 April 1969: Gaisler, Jiri; Groschaft, J.: IVB: 1, MUB: 2, NMP: 2 [5 - **5** - **5**].
Gizeh: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, CM: 1, MCZ: 2 [4]; Bonhote, John James Lewis; Flower, Stanley Smyth: BMNH: 1 [1]; Dodson, W.: BMNH: 3 [3]; Hoogstraal, Harry H.: FMNH: 14, USNM: 6 [20]; Möhres: SMNS: 2 [2]; Nicoll, Michael John: BMNH: 1 [1 - **31**] - 16 December 1891: Anderson, John: BMNH: 1 [1 - **1**] - 1 May 1906: Bey, W.J.: AMNH: 1 [1 - **1**] - 16 October 1908: Nicoll, Michael John: BMNH: 4 [4 - **4**] - 29 August 1910: Flower, Stanley Smyth: BMNH: 1 [1 - **1**] - 13 December 1912: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: AMNH: 1, FMNH: 1 [2 - **2**] - 13 December 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 4 [4 - **4**] - 23 November 1920: Gizya, E.Z.S.: BMNH: 1 [1 - **1**] - 3 May 1951: Hoogstraal, Harry H.: FMNH: 17, USNM: 15 [32 - **32**] - 14 May 1951: ?: Collector Unknown: OMNH: 8 [8 - **8**] - 15 May 1951: ?: Collector Unknown: OMNH: 1 [1]; Kuntz, Robert E.: USNM: 13 [13 - **14**] - 1 January 1953: Malakatis, G.M.; Kuntz, Robert E.: OMNH: 2 [2 - **2**] - 1 April 1953: ?: Collector Unknown: OMNH: 2 [2 - **2**] - 1 May 1953: Kyongo, Robert N.: OMNH: 2 [2 - **2**] - 15 June 1953: ?: Collector Unknown: OMNH: 1 [1 - **1**] - 26 September 1955: Kulzer, Edwin: HZM: 1 [1 - **1**] - 1 January 1958: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 8 July 1958: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - 1 January 1959: Kulzer, Edwin: SMF: 1 [1 - **1**] - 1 June 1959: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 22 June 1959: Hoogstraal, Harry H.: FMNH: 3, USNM: 1 [4 - **4**] - 23 September 1966: Maser, Christopher: YPM: 1 [1 - **1** - **125**].
Gizeh pyramids: Collection Date Unknown: Anderson, John: BMNH: 1 [1 - **1** - **1**].
Helonan [=Helouan, Helwan]: Collection Date Unknown: Mook; Schneider; Basel: ZMB: 2 [2 - **2** - **2**].
Helvan [=Helwan]: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Helwân: Collection Date Unknown: Hoogstraal, Harry H.: FMNH: 8 [8 - **8** - **8**].
Hersneh: 8 February 1873: Roosevelt, Theodore (Teddy): USNM: 1 [1 - **1** - **1**].
Hierakopolis: 2 February 2002: Van Neer, Wim: RMCA: 3 [3 - **3** - **3**].
Hindaw: 6 December 2010: Lucan, Radek K.: NMP: 1 [1 - **1** - **1**].
Hurghada, 20 km S: 23 September 1965: : SMF: 1 [1 - **1** - **1**].
Idfina: 16 July 1952: ?: Collector Unknown: OMNH: 4 [4 - **4** - **4**].
Ikingi Mariut: 13 March 1970: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].
Isna: 6 April 1953: Hoogstraal, Harry H.: FMNH: 11, USNM: 3 [14 - **14** - **14**].
Jabal Musa: Collection Date Unknown: Tristram, Henry Baker J.: BMNH: 1 [1 - **1** - **1**].
Jebel Ahmar: 16 March 1953: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **1**].
Jebel Drunka: 28 March 1957: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Kafr Dawud: Collection Date Unknown: Hoogstraal, Harry H.: USNM: 5 [5 - **5**] - 16 June 1950: Hoogstraal, Harry H.: FMNH: 29, USNM: 16 [45 - **45**] - 18 June 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **51**].
Karnak: Collection Date Unknown: Anderson, John: BMNH: 2 [2 - **2** - **2**].
Karnak Great Temple: 26 April 1969: Gaisler, Jiri: IVB: 7 [7 - **7** - **7**].
Kharga Oasis, City of Deads: Collection Date Unknown: Hrdlicka, Aleš: USNM: 12 [12 - **12**] - 6 May 1969: Gaisler, Jiri: IVB: 2 [2 - **2** - **14**].
Kharga Oasis, Temple of Hibis: Collection Date Unknown: Goodman, Steven M.: UMMZ: 1 [1 - **1**] - 30 November 1966: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 24 March 1984: Goodman, Steven M.: UMMZ: 5 [5 - **5** - **7**].
Khayzan: Collection Date Unknown: Anderson, John: BMNH: 1 [1 - **1** - **1**].
Kings graves near Deir al Bahari: Collection Date Unknown: Fritsch: ZMB: 1 [1 - **1** - **1**].
Kom Hamada: Collection Date Unknown: Hoogstraal, Harry H.: USNM: 5 [5 - **5**] - 18 June 1950: Hoogstraal, Harry H.: FMNH: 40, USNM: 34 [74 - **74**] - 25 June 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 18 July 1950: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **81**].
Kom O Shim: Collection Date Unknown: Hoogstraal, Harry H.: USNM: 2 [2 - **2**] - 1 December 1947: Field, Henry: FMNH: 3 [3 - **3**] - 24 May 1950: Wells, W.H.; Kuntz, Robert E.: USNM: 1 [1 - **1**] - 27 May 1950: Hoogstraal, Harry H.: FMNH: 30 [30 - **30**] - 3 June 1950: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 7 August 1951: Hoogstraal, Harry H.: FMNH: 8, USNM: 6 [14 - **14**] - 26 October 1951: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 6 April 1952: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2** - **58**].
Kom Ombo: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Korosko: Collection Date Unknown: Messedaglia, Giacomo Bartolomeo: MSNG: 1 [1 - **1** - **1**].
Lake Moeris: 13 March 1909: Bonhote, John James Lewis; Flower, Stanley Smyth: BMNH: 1 [1 - **1** - **1**].
Lake Qarun, near: 11 June 1950: Hoogstraal, Harry H.: FMNH: 18 [18 - **18** - **18**].
Lisht: Collection Date Unknown: Hrdlicka, Aleš: USNM: 23 [23 - **23**] - 1 January 1909: Hrdlicka, Aleš: USNM: 1 [1 - **1** - **24**].
Luksor, Karnak Temple: 28 January 2010: Benda, Petr; Lucan, Radek K.: NMP: 1 [1 - **1** - **1**].
Luxor: Collection Date Unknown: Hirst, A.S.: BMNH: 1 [1]; Rothschild, Nathanial Charles: BMNH: 2, ZMA: 1 [3 - **4**] - 21 March 1938: Nelson, H.: FMNH: 2 [2 - **2**] - 25 March 1938: Nelson, H.: FMNH: 6 [6 - **6**] - 26 March 1938: Nelson, H.: FMNH: 13 [13 - **13** - **25**].
Luxor, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 27 September 1938: Nelson, H.: FMNH: 7 [7 - **7**] - 3 October 1938: Nelson, H.: FMNH: 13 [13 - **13**] - 1 November 1938: Nelson, H.: WAM: 2 [2 - **2**] - 22 November 1938: Nelson, H.: FMNH: 4 [4 - **4**] - 2 December 1938: Nelson, H.: FMNH: 2 [2 - **2**] - 9 December 1938: Nelson, H.: FMNH: 6 [6 - **6**] - 10 December 1938: Nelson, H.: FMNH: 1 [1 - **1**] - 14 December 1938: Nelson, H.: FMNH: 4 [4 - **4**] - 27 December 1938: Nelson, H.: FMNH: 1 [1 - **1**] - 30 December 1938: Nelson, H.: FMNH: 1 [1 - **1**] - 27 January 1939: Nelson, H.: FMNH: 5 [5 - **5**] - 4 March 1939: Nelson, H.: FMNH: 1 [1 - **1**] - 17 April 1939: Nelson, H.: FMNH: 19 [19 - **19** - **68**].
Maadi: 25 July 1946: Tomich, P. Quentin: USNM: 1 [1 - **1**] - 2 September 1959: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 27 September 1959: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **3**].
Maidum pyramids: 3 December 1986: Handwerk, Johannes: ZFMK: 1 [1 - **1** - **1**].
Mandisha: 21 October 1966: Hoogstraal, Harry H.: FMNH: 31 [31 - **31** - **31**].
Manzala East: 10 May 1990: Geene, R.: ZMA: 3 [3 - **3** - **3**].
Maréotis lake, SW of: Collection Date Unknown: Letourneau, Charles: MNHN: 1 [1 - **1** - **1**].
Marsa Matruh: 18 October 1962: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Marsa Matruh, 20 mi W: 5 August 1959: Hoogstraal, Harry H.: FMNH: 9, USNM: 5 [14 - **14** - **14**].
Medinet el Fayum: Collection Date Unknown: Brown, R.H.: ZMA: 1 [1 - **1** - **1**].
Mersa Matruh, near: 23 September 1959: Hoogstraal, Harry H.: USNM: 38 [38 - **38** - **38**].
Nag Hammadi, 16 km S: 4 January 1964: Reed, C.A.: YPM: 6 [6 - **6** - **6**].
Nag Misaw: 12 February 1964: Seymour, Charles: YPM: 2 [2 - **2**] - 16 February 1964: Seymour, Charles: YPM: 3 [3 - **3**] - 17 February 1964: Seymour, Charles: YPM: 2 [2 - **2**] - 18 February 1964: Seymour, Charles: YPM: 1 [1 - **1** - **8**].
Nile: Collection Date Unknown: ?: Collector Unknown: BMNH: 4, USNM: 1 [5 - **5**] - 1 January 1851: ?: Collector Unknown: USNM: 4 [4 - **4** - **9**].
Nile Valley between Qena and Aswan: Collection Date Unknown: Christie, Turnbell: BMNH: 1 [1 - **1** - **1**].
no specific locality: Collection Date Unknown: Effeld: ZMB: 1 [1]; Lepsius: ZMB: 2 [2]; Michahelles, Karl: ZMB: 3 [3]; Pareiß: ZMB: 1 [1 - **7** - **7**].
North Egypt: Collection Date Unknown: Ward's Natural Sciences Estabishment, The: MCZ: 1 [1 - **1** - **1**].
Old Cairo: 24 July 1959: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 13 August 1959: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 17 August 1959: Hoogstraal, Harry H.: FMNH: 13, USNM: 8 [21 - **21** - **24**].
Port Said, 10 mi S: 30 October 1963: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 5 March 1990: Geene, R.: ZMA: 2 [2 - **2** - **5**].
Queen Hatchipsat Tomb: 17 February 1965: Hoogstraal, Harry H.: FMNH: 20 [20 - **20** - **20**].
Queir: Collection Date Unknown: Mangold-Fraas: SMNS: 1 [1 - **1** - **1**].
Ras Abu el Darag: 12 October 1980: Back, H.E.: ZFMK: 1 [1 - **1** - **1**].
Saqqara: Collection Date Unknown: Doria, Giacomo: USNM: 1 [1]; Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: ZMB: 2 [2]; Hoogstraal, Harry H.: USNM: 8 [8 - **11**] - 1 April 1821: Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: ZMB: 2 [2 - **2**] - 6 April 1897: : ZFMK: 2 [2 - **2**] - 5 May 1906: Innes, Walter F.: MSNG: 1 [1 - **1**] - 31 January 1947: Tomich, P. Quentin: MVZ: 1, USNM: 12 [13 - **13**] - 20 May 1950: Hoogstraal, Harry H.: FMNH: 23, USNM: 3 [26 - **26**] - 28 May 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 6 June 1950: Wells, W.H.; Kuntz, Robert E.: USNM: 4 [4 - **4**] - 20 August 1950: ?: Collector Unknown: OMNH: 8 [8 - **8**] - 1 September 1950: ?: Collector Unknown: OMNH: 5 [5 - **5**] - 5 September 1950: Kuntz, Robert E.: USNM: 5 [5 - **5**] - 21 September 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 20 October 1950: Hoogstraal, Harry H.: FMNH: 32, USNM: 1 [33 - **33**] - 21 October 1950: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 1 March 1951: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 16 March 1951: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 12 May 1951: Hoogstraal, Harry H.: FMNH: 23, USNM: 22 [45 - **45**] - 29 May 1951: Hoogstraal, Harry H.: FMNH: 34, USNM: 23 [57 - **57**] - 11 March 1952: Hoogstraal, Harry H.: FMNH: 5, USNM: 1 [6 - **6**] - 20 January 1953: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8**] - 22 May 1953: Hoogstraal, Harry H.: FMNH: 1, USNM: 16 [17 - **17**] - 27 May 1953: Hoogstraal, Harry H.: USNM: 6 [6 - **6**] - 9 November 1953: Hoogstraal, Harry H.: FMNH: 6, USNM: 6 [12 - **12**] - 23 August 1954: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 27 September 1956: Hoogstraal, Harry H.: FMNH: 1 [1]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 1 [1 - **2**] - 27 October 1957: Hoogstraal, Harry H.: FMNH: 22 [22]; Hoogstraal, Harry H.; Kaiser, M.N.: USNM: 2 [2 - **24**] - 27 December 1957: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 1 August 1963: Kiepenhauer; Linsenmair; U.S. Navy Medical Research Unit 3 (NaMRU 3), The: SMF: 9 [9 - **9**] - 4 November 1963: Helmy, Ibrahim;

Maser, Christopher: YPM: 1 [1 - **1**] - 14 June 1971: Helmy, Ibrahim; Kock, Dieter: SMF: 1 [1 - **1**] - 16 June 1971: Kock, Dieter: SMF: 2 [2 - **2**] - 6 August 1979: Robbins, Lynn W.: CM: 9, TTU: 2 [11 - **11**] - 8 July 1980: Robbins, Lynn W.: CM: 1 [1 - **1**] - 14 July 1981: Qumsiyeh, Mazin B.: CM: 2 [2 - **2** - **324**].

Saqqara pyramids: 31 January 1947: Tomich, P. Quentin: MVZ: 1 [1 - **1** - **1**].

Seila: 2 October 1923: Flower, Stanley Smyth; Giza Zoological Museum, The: BMNH: 8 [8 - **8** - **8**].

Shak Shouk: 15 April 1990: Geene, R.: ZMA: 1 [1 - **1** - **1**].

Sharqiya: Collection Date Unknown: Schrader: ZMB: 3 [3 - **3** - **3**].

Shenhour: 5 November 2001: Van Neer, Wim: RMCA: 3 [3 - **3** - **3**].

Simbilawein, 5 mi W: 26 February 1947: Tomich, P. Quentin: MVZ: 1, USNM: 6 [7 - **7** - **7**].

Sinai: Collection Date Unknown: Schlüter, Wilhelm: USNM: 3 [3 - **3** - **3**].

Sinai, Wadi El Feiran: 28 July 1950: Hoogstraal, Harry H.: FMNH: 10 [10 - **10**] - 21 May 1953: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **11**].

Sinnuris: 7 July 1953: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Siwa Oasis: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1]; Anderson, John: BMNH: 2 [2]; Cooper, O.: BMNH: 1 [1 - **4**] - 21 March 1952: Malakatis, G.M.; Kuntz, Robert E.: USNM: 6 [6 - **6**] - 26 March 1952: Hoogstraal, Harry H.: FMNH: 5 [5 - **5** - **15**].

Suez: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1]; : SMF: 1 [1 - **2**] - 14 January 1982: Jennings, N.: LACM: 1 [1 - **1** - **3**].

Suez, Isthmus: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Edwards; *et al.*: MNHN: 1 [1 - **2** - **2**].

Sultan Hassan Mosque: 22 June 1959: Hoogstraal, Harry H.: FMNH: 7 [7 - **7**] - 10 July 1963: Kiepenhauer; Linsenmair; U.S. Navy Medical Research Unit 3 (NaMRU 3), The: SMF: 19 [19 - **19**] - 7 January 1984: Walen, A.: ZMA: 7 [7 - **7** - **33**].

Sultan Mahmud Mosque: 21 April 1969: Gaisler, Jiri: IVB: 5 [5 - **5** - **5**].

the Nile valley between Aswan, Egypt, and Khondek, Sudan: 1 September 1821: Hemprich, Wilhelm; Ehrenberg, Christian Gottfried: ZMB: 1 [1 - **1** - **1**].

Thebe: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 1 January 1931: ?: Collector Unknown: MHNG: 1 [1 - **1** - **2**].

Thebes: Collection Date Unknown: ?: Collector Unknown: MNHN: 5, SAMA: 6 [11 - **11**] - 28 February 1882: Chiappa, B.: MSNG: 1 [1 - **1** - **12**].

Tora: 21 July 1952: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 22 August 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 2 September 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 2 October 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **5**].

Um Hashiba: Collection Date Unknown: ?: Collector Unknown: TAU: 1 [1 - **1** - **1**].

Upper Egypt: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, NMW: 1 [2 - **2** - **2**].

Valley of the Kings: 16 February 1965: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 1 March 1983: : SMF: 1 [1 - **1** - **4**].

Wadi Digla: 4 October 1951: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **2**].

Wadi El Feiran: 8 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1**] - 9 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1**] - 10 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **3**].

Wadi el Natroun: 28 May 1950: Hoogstraal, Harry H.: FMNH: 12, USNM: 1 [13 - **13**] - 30 April 1951: Malakatis, G.M.: USNM: 3 [3]; Wells, W.H.; Kuntz, Robert E.: USNM: 2 [2 - **5**] - 10 October 1951: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 2 October 1952: Hoogstraal, Harry H.: FMNH: 10 [10]; Kuntz, Robert E.: USNM: 5 [5 - **15**] - 28 April 1953: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **36**].

Wadi el Qreiya: 26 March 1965: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].

Wadi Faran: 2 July 1950: Kuntz, Robert E.: USNM: 4 [4 - **4** - **4**].

Wadi Netroon: Collection Date Unknown: Wells, W.H.; Kuntz, Robert E.: OMNH: 18 [18 - **18** - **18**].

Wardan: 4 June 1950: Hoogstraal, Harry H.: FMNH: 29 [29 - **29** - **29**].

West Bank, Valley of the Kings, Tomb of Hutschepsut: 7 April 1984: Goodman, Steven M.: UMMZ: 13 [13 - **13** - **13**].

western edge of Feiran Oasis: 8 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1**] - 9 September 2005: Andreas, Michal; Benda, Petr; Hotový, Josef; Lucan, Radek K.: NMP: 1 [1 - **1** - **2**].

Zawyet Umm El Rakham: 24 September 1967: Hoogstraal, Harry H.: FMNH: 40 [40 - **40** - **40**].

Zawyet Umm el Rakham, 0.5 mi from: 23 September 1959: Hoogstraal, Harry H.: FMNH: 76 [76 - **76**] - 27 September 1960: Hoogstraal, Harry H.: FMNH: 82, USNM: 29 [111 - **111**] - 8 October 1960: Hoogstraal, Harry H.: FMNH: 22, USNM: 20 [42 - **42**] - 11 October 1960: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 21 October 1960: Hoogstraal, Harry H.: FMNH: 9, USNM: 6 [15 - **15** - **245**].

Zokila: 1 March 1950: Wells, W.H.: USNM: 4 [4 - **4** - **4**].

Total Specimens for Egypt: 4490

Equatorial Guinea

Unknown locality: Collection Date Unknown: BMNH: 14, MNHN: 2 [16]; Basilio, Aurelio: RMCA: 5 [5]; Escherich: ZMB: 1 [1]; Perramon, A: RMCA: 1 [1 - **23** - **23**].

15 mi: 1 February 1899: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].

Aninzok: 14 September 1967: Jones, Clyde: MSB: 1 [1 - **1** - **1**].

Aninzok, 4 km W: 10 August 1967: Jones, Clyde: MSB: 2 [2 - **2** - **2**].

Annobon Island: 11 September 1911: : SMF: 1 [1 - **1** - **1**].

Attogondama: Collection Date Unknown: Escherich: ZMB: 4 [4 - **4** - **4**].

Banapa: Collection Date Unknown: Basilio, Aurelio: AMNH: 1 [1 - **1** - **1**].

Banlesbeni: Collection Date Unknown: ?: Collector Unknown: BMNH: 4 [4 - **4** - **4**].

Basoalo: 12 May 1929: : AMNH: 1 [1 - **1**] - 19 May 1929: : AMNH: 2 [2 - **2** - **3**].

Bata: Collection Date Unknown: Jones, Clyde: MSB: 1 [1 - **1**] - 19 December 1964: Martorell, F.: RMCA: 2 [2 - **2**] - 20 December 1964: Martorell, F.: RMCA: 2 [2 - **2**] - 10 August 1966: Jones, Clyde: MSB: 1 [1 - **1**] - 4 March 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 8 March 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 15 March 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 15 May 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 9 June 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 10 June 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 16 October 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 30 October 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 6 November 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 31 March 1968: Jones, Clyde: MSB: 1 [1 - **1**] - 1 January 1970: : SMF: 6 [6 - **6** - **22**].

Benito: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Benito River: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Bates, George Latimer: BMNH: 5 [5]; Guirol: MNHN: 1 [1 - **7**] - 11 December 1897: Bates, George Latimer: BMNH: 1 [1 - **1**] - 22 January 1898: Bates, George Latimer: BMNH: 1 [1 - **1**] - 7 September 1899: Bates, George Latimer: BMNH: 1 [1 - **1** - **10**].
Benito River, 15 km from mouth: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Benito River, 15 mi [= 24 km] from mouth: Collection Date Unknown: Bates, George Latimer: BMNH: 1 [1 - **1** - **1**].
Benito River, 30 mi from mouth: 4 September 1899: Bates, George Latimer: FMNH: 1 [1 - **1** - **1**].
Beoken Noja [?=Noya river]: Collection Date Unknown: Escherich: ZMB: 1 [1 - **1** - **1**].
Bilelepe: 20 February 1904: Scimund, E.: USNM: 1 [1 - **1** - **1**].
Bilelifri: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Bioko Island: Collection Date Unknown: ?: Collector Unknown: BMNH: 2, SMF: 2 [4]; Basilio, Aurelio: AMNH: 4 [4]; Bowens, E.: BMNH: 1 [1]; Buchholz: ZMB: 1 [1]; Eidmann, H.: ZMB: 1 [1]; Eisentraut, Martin: ZFMK: 1 [1 - **12**] - 1 September 1959: Basilio, Aurelio: AMNH: 1 [1 - **1**] - 5 October 1962: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 February 1963: ?: Collector Unknown: SMF: 4 [4 - **4** - **18**].
Bolondo: 14 March 1968: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Bubi Town: Collection Date Unknown: Seimund, E.: BMNH: 1 [1 - **1** - **1**].
Ekododo: Collection Date Unknown: Escherich: ZMB: 2 [2 - **2** - **2**].
Elloby: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Engong: 20 March 1968: Jones, Clyde: MSB: 3 [3 - **3**] - 21 March 1968: Jones, Clyde: MSB: 4 [4 - **4**] - 5 April 1968: Jones, Clyde: MSB: 1 [1 - **1** - **8**].
Evuenam: 1 June 1967: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Fernando Po: Collection Date Unknown: ?: Collector Unknown: SMF: 1, ZFMK: 1 [2 - **2** - **2**].
Fernando Poo: Collection Date Unknown: : BMNH: 14 [14]; Bisthegy: NMW: 2 [2 - **16**] - 1 January 1852: Cuming, W.: SMF: 1 [1 - **1** - **17**].
Fish Town: 2 January 1904: Seimund, E.: BMNH: 1 [1 - **1** - **1**].
Litoral province: 22 March 2003: Zyskowski, Kristof; Rice, Nathan H.: YPM: 1 [1 - **1** - **1**].
Malabo: Collection Date Unknown: : EBD: 1 [1 - **1** - **1**].
Malabo, Basilé, San Fernando cave: 26 July 1919: de la Escalera, D. Manuel M.: MNCN: 2 [2 - **2** - **2**].
Moka: 1 February 1962: Basilio, Aurelio: AMNH: 1 [1 - **1**] - 29 June 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 30 June 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 13 July 1967: Jones, Clyde: MSB: 2, USNM: 2 [4 - **4**] - 2 August 1967: Jones, Clyde: MSB: 1 [1 - **1** - **8**].
Mokula: 4 September 1967: Jones, Clyde: MSB: 1 [1 - **1**] - 6 September 1967: Jones, Clyde: MSB: 1 [1 - **1** - **2**].
Mount Borg: 13 April 1967: Jones, Clyde: MSB: 1 [1 - **1** - **1**].
Musola: 9 September 1939: Eidmann, H.: ZMB: 1 [1 - **1** - **1**].
Niefang: Collection Date Unknown: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].
Nkolentangan: Collection Date Unknown: Tessmann: ZMB: 2 [2 - **2** - **2**].
Nvuba river: Collection Date Unknown: ?: Collector Unknown: EBD: 2 [2 - **2** - **2**].
Obamicu: 29 March 2003: Zyskowski, Kristof: YPM: 1 [1 - **1** - **1**].
Río Muni: Collection Date Unknown: : EBD: 2 [2 - **2** - **2**].
Río Nocong: Collection Date Unknown: ?: Collector Unknown: EBD: 2 [2 - **2** - **2**].
Riusaka: 1 February 1962: Basilio, Aurelio: AMNH: 2 [2 - **2** - **2**].
San Benito: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
San Carlos: Collection Date Unknown: Eisentraut, Martin: ZFMK: 10 [10 - **10**] - 28 September 1962: Eisentraut, Martin: ZFMK: 1 [1 - **1** - **11**].
San Joaquin de Ndyiacon: Collection Date Unknown: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].
Santa Isabel: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].
St. Thomas, Island: 1 March 1929: Correia, José G. d.: AMNH: 3 [3 - **3** - **3**].
Victoria: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Equatorial Guinea: 178

Eritrea

Unknown locality: Collection Date Unknown: BMNH: 4, MCZ: 1 [5]; : USNM: 1 [1 - **6** - **6**].
Adi Kaie [= Adi Caie]: Collection Date Unknown: ?: Collector Unknown: MZUF: 4 [4 - **4** - **4**].
Adi Ugri: 1 December 1901: Andreini: MZUF: 10 [10 - **10** - **10**].
Agordat: Collection Date Unknown: ?: Collector Unknown: MZUF: 7 [7 - **7** - **7**].
Asmara: Collection Date Unknown: Gerrard, Edward: MCZ: 1 [1 - **1**] - 1 October 1937: Ignesti, Ugo: MZUF: 1 [1 - **1** - **2**].
Asmara, 6 mi W: 23 February 1951: Hoogstraal, Harry H.: FMNH: 7 [7 - **7** - **7**].
Assab: 1 July 1893: Pestalozzi, Guilio: MSNG: 1 [1 - **1**] - 1 August 1906: Felter, Pietro: HNHM: 1 [1 - **1**] - 6 July 1908: Kittenberger, K.: HNHM: 3 [3 - **3**] - 1 February 1929: Patrizi Montoro, Saverio: MSNG: 1 [1 - **1** - **6**].
Bogos: Collection Date Unknown: Heuglin, Martin Theodor von: SMNS: 1 [1 - **1**] - 1 January 1862: Kraus, F.: RMNH: 1 [1 - **1** - **2**].
Bogos country: Collection Date Unknown: Gerrard: ZMB: 1 [1 - **1** - **1**].
Cheren [=Keren]: 1 January 1852: Heuglin, Martin Theodor von: ZMB: 1 [1 - **1** - **1**].
Dongollo Basso: Collection Date Unknown: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].
Gaare: 1 December 1912: Patrizi Montoro, Saverio: MSNG: 1 [1 - **1**] - 1 December 1929: Patrizi Montoro, Saverio: MSNG: 1 [1 - **1** - **2**].
Gibdo: 6 July 1908: Kittenberger, K.: HNHM: 1 [1 - **1** - **1**].
Keren: Collection Date Unknown: : MSNG: 1 [1]; Cecconi, G.: ZMB: 2 [2]; Heuglin, Martin Theodor von: SMNS: 2, ZMB: 1 [3 - **6**] - 1 January 1861: Heuglin, Martin Theodor von: SMNS: 9 [9 - **9** - **15**].
Massaua: Collection Date Unknown: Biedermann: ZMB: 2 [2]; Issel: ZMB: 1 [1 - **3**] - 1 January 1827: : SMF: 2 [2 - **2**] - 1 January 1834: : SMF: 2 [2 - **2**] - 2 May 1890: Doria, Giacomo: USNM: 1 [1 - **1** - **8**].
Massawa: Collection Date Unknown: : BMNH: 1 [1 - **1**] - 1 January 1827: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].
Saati: 1 January 1902: Ragazzi, Vincenzo: USNM: 4 [4 - **4** - **4**].

Saganeiti: 19 June 1907: Capomazza, I.: MSNG: 1 [1 - **1** - **1**].
Sciumagalle Mine: Collection Date Unknown: Riney, Thane H.: MVZ: 31 [31 - **31** - **31**].
Sembel: 28 June 1951: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 29 June 1951: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **2**].
Zeriba Ambarab: Collection Date Unknown: : MSNG: 1 [1 - **1** - **1**].

Total Specimens for Eritrea: 114

Ethiopia

Unknown locality: Collection Date Unknown: BMNH: 680, MCZ: 2, MNHN: 5, RMNH: 1, SMF: 5, USNM: 1 [694]; Ash, John S.: USNM: 2 [2]; Great Abbai Expedition, The: BMNH: 47 [47]; Heuglin, Martin Theodor von: RMNH: 1 [1]; Kurta, Allen: MCZ: 1 [1]; Rüppell, Wilhem Peter Edward Simon: RMNH: 1 [1 - **746**] - 24 July 1969: ?: Collector Unknown: SMF: 1 [1 - **1**] - 7 November 1969: ?: Collector Unknown: SMF: 2 [2 - **2**] - 27 June 1970: ?: Collector Unknown: SMF: 2 [2 - **2**] - 28 December 1970: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 March 1971: Ashford, R.: SMF: 1 [1 - **1**] - 4 July 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 26 December 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 July 1972: ?: Collector Unknown: SMF: 1 [1 - **1**] - 6 November 1972: ?: Collector Unknown: SMF: 1 [1 - **1**] - 28 July 1973: ?: Collector Unknown: SMF: 5 [5 - **5**] - 30 July 1973: ?: Collector Unknown: SMF: 3 [3 - **3**] - 31 July 1973: ?: Collector Unknown: SMF: 5 [5 - **5**] - 4 August 1973: ?: Collector Unknown: SMF: 2 [2 - **2**] - 6 August 1973: ?: Collector Unknown: SMF: 2 [2 - **2**] - 7 August 1973: ?: Collector Unknown: SMF: 71 [71 - **71**] - 9 August 1973: ?: Collector Unknown: SMF: 5 [5 - **5**] - 24 August 1973: ?: Collector Unknown: SMF: 3 [3 - **3**] - 2 September 1973: ?: Collector Unknown: SMF: 7 [7 - **7**] - 25 September 1973: ?: Collector Unknown: SMF: 5 [5 - **5**] - 20 January 1974: ?: Collector Unknown: SMF: 1 [1 - **1**] - 14 March 1974: ?: Collector Unknown: SMF: 8 [8 - **8**] - 27 March 1974: ?: Collector Unknown: SMF: 1 [1 - **1**] - 28 March 1974: ?: Collector Unknown: SMF: 14 [14 - **14**] - 1 April 1974: ?: Collector Unknown: SMF: 6 [6 - **6**] - 7 April 1974: ?: Collector Unknown: SMF: 1 [1 - **1**] - 18 July 1974: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 July 1974: ?: Collector Unknown: SMF: 1 [1 - **1**] - 23 August 1974: ?: Collector Unknown: SMF: 15 [15 - **15**] - 14 March 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 30 September 1975: ?: Collector Unknown: SMF: 3 [3 - **3**] - 1 October 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 October 1975: ?: Collector Unknown: SMF: 3 [3 - **3**] - 4 October 1975: ?: Collector Unknown: SMF: 2 [2 - **2**] - 8 October 1975: ?: Collector Unknown: SMF: 4 [4 - **4**] - 18 October 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 October 1975: ?: Collector Unknown: SMF: 6 [6 - **6**] - 18 November 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 November 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1976: Rupp, Hans: SMNS: 4 [4 - **4**] - 7 February 1976: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1977: Ash, John S.: SMF: 1 [1 - **1** - **942**].
Abaya lake, W bank: Collection Date Unknown: ?: Collector Unknown: MNHN: 14 [14 - **14**] - 30 April 1968: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 May 1968: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 7 May 1969: ?: Collector Unknown: MNHN: 1 [1 - **1** - **19**].
Abaya, lake: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; von Erlanger, C.: ZMB: 3 [3 - **4** - **4**].
Abaya, lake, West bank: 13 August 1969: Largen, M.J.: BMNH: 1 [1 - **1**] - 22 September 1974: Largen, M.J.: BMNH: 1 [1 - **1** - **2**].
Abaya, W coast lake: 28 April 1968: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Abella: 25 May 1969: Largen, M.J.: BMNH: 1 [1 - **1** - **1**].
Abiata, lake: 23 October 1971: Ash, John S.: USNM: 1 [1 - **1**] - 31 October 1971: Ash, John S.: USNM: 1 [1 - **1**] - 11 May 1973: Ash, John S.: USNM: 2 [2 - **2**] - 12 May 1973: Ash, John S.: USNM: 2 [2 - **2**] - 13 May 1973: Ash, John S.: USNM: 2 [2 - **2**] - 14 May 1973: Ash, John S.: USNM: 1 [1 - **1**] - 15 May 1973: Ash, John S.: USNM: 2 [2 - **2**] - 18 May 1973: Ash, John S.: USNM: 1 [1 - **1**] - 22 May 1973: Ash, John S.: USNM: 2 [2 - **2**] - 23 May 1973: Ash, John S.: USNM: 2 [2 - **2**] - 24 May 1973: Ash, John S.: USNM: 1 [1 - **1** - **17**].
Abiata, Lake, E coast: Collection Date Unknown: Ash, John S.: USNM: 6 [6 - **6**] - 1 January 1969: Largen, M.J.: SMF: 1 [1 - **1**] - 17 October 1970: Largen, M.J.: BMNH: 2 [2 - **2**] - 21 October 1970: Largen, M.J.: BMNH: 2 [2 - **2**] - 27 October 1970: Largen, M.J.: BMNH: 1 [1 - **1** - **12**].
Abiy No. 3, 0.5 km S: 14 February 2001: ?: Collector Unknown: BRTC: 4 [4 - **4** - **4**].
Abiyacula: 30 January 2000: Juste, Javier: EBD: 12 [12 - **12**] - 31 January 2000: Juste, Javier: EBD: 1 [1 - **1** - **13**].
Abol: 12 March 1976: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Abore: 6 June 1976: Nikolaus, Gerhard: SMNS: 2 [2 - **2** - **2**].
Abore, lake: 6 June 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
Abune Yosef, mountain: 26 January 2000: Juste, Javier: EBD: 4 [4 - **4** - **4**].
Abyssinia: Collection Date Unknown: ?: Collector Unknown: MNHN: 7, ZMB: 2 [9]; : SMF: 1 [1]; Beccari, Odoardo: ZMB: 1 [1]; Doria, Giacomo: ZMB: 1 [1]; Gerrard: ZMB: 1 [1]; Heuglin, Martin Theodor von: ZMB: 3 [3]; Petit; Quartier-Dillon: MNHN: 1 [1]; Roger: MNHN: 1 [1]; Rüppell, Wilhem Peter Edward Simon: RMNH: 1 [1]; Schrader: ZMB: 1 [1]; Verreaux, Jules Pierre: BMNH: 1 [1 - **21**] - 2 March 1856: Von Heuglin, Theodor: NMW: 1 [1 - **1**] - 3 July 1968: ?: Collector Unknown: BMNH: 1 [1 - **1** - **23**].
Addis Ababa and Lake Rudolf, between: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1]; Zaphiro, Ph.C.: BMNH: 1 [1 - **2** - **2**].
Addis Ababa, 24 km E: 24 February 1974: Williams, A.E.: ROM: 3 [3 - **3**] - 25 February 1974: Williams, A.E.: ROM: 1 [1 - **1** - **4**].
Addis Abeba: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, MNHN: 1 [2 - **2**] - 16 May 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 2 August 1920: Brown, Barnum: AMNH: 2 [2 - **2**] - 11 October 1926: Bailey, Alfred Marshall: FMNH: 1 [1 - **1**] - 10 January 1929: Carter, T. Donald: AMNH: 1 [1 - **1**] - 25 October 1930: Huyn, Ludwig von: ZFMK: 1 [1 - **1**] - 13 January 2000: Juste, Javier: EBD: 2 [2 - **2** - **10**].
Addis Alem: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Adis Abeba: 23 November 1980: Demeter, Andras: HNHM: 2 [2 - **2** - **2**].
Adowa: Collection Date Unknown: Heuglin, Martin Theodor von: SMNS: 2 [2 - **2**] - 1 January 1862: Heuglin, Martin Theodor von: SMNS: 1 [1 - **1** - **3**].
Afallo: Collection Date Unknown: ?: Collector Unknown: MHNG: 1 [1 - **1**] - 2 May 1971: Desfayes, Michel: FMNH: 3 [3 - **3** - **4**].
Afdem: 30 September 1975: Nikolaus, Gerhard: SMF: 2 [2 - **2**] - 12 October 1975: Nikolaus, Gerhard: SMF: 1 [1 - **1** - **3**].
Afeworks Farm: 4 August 1973: Rupp, Hans: SMF: 1 [1 - **1** - **1**].
Agaro: 14 June 1968: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Agaro, 10 km from: 10 June 1968: Dorst, Jean Pierre; *et al.*: ZMA: 1 [1 - **1**] - 11 June 1968: Dorst, Jean Pierre: MNHN: 3 [3 - **3**] - 14 June 1968: ?: Collector Unknown: MNHN: 1 [1 - **1** - **5**].

Agaro, 30 km from: 1 June 1968: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 10 June 1968: Dorst, Jean Pierre; *et al.*: MNHN: 10 [10 - **10** - **11**].
Aksum: 1 November 2012: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Alemaya: Collection Date Unknown: ?: Collector Unknown: ROM: 8 [8 - **8**] - 21 July 1962: Ingersol, R.H.: MVZ: 1 [1 - **1** - **9**].
Amjale: 29 March 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1**] - 30 March 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 6 [6 - **6**] - 31 March 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 3 [3 - **3**] - 2 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 4 [4 - **4**] - 3 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 11 [11 - **11**] - 4 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 11 [11 - **11**] - 5 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 3 [3 - **3**] - 7 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 2 [2 - **2** - **41**].
Anole Wells: Collection Date Unknown: von Erlanger, C.: ZMB: 2 [2 - **2** - **2**].
Arba Minch: Collection Date Unknown: Largen, M.J.: SMF: 1 [1 - **1**] - 29 July 1973: Rupp, Hans: SMF: 1 [1 - **1**] - 7 August 1973: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].
Aselle [= Aseita]: Collection Date Unknown: Ash, John S.: USNM: 8 [8 - **8**] - 2 November 1973: Ash, John S.: USNM: 1 [1 - **1**] - 3 November 1973: Ash, John S.: USNM: 5 [5 - **5**] - 4 November 1973: Ash, John S.: USNM: 1 [1 - **1**] - 6 November 1973: Ash, John S.: USNM: 3 [3 - **3**] - 9 November 1973: Ash, John S.: USNM: 1 [1 - **1**] - 10 November 1973: Ash, John S.: USNM: 5 [5 - **5**] - 11 November 1973: Ash, John S.: USNM: 2 [2 - **2**] - 13 November 1973: Ash, John S.: USNM: 1 [1 - **1**] - 17 March 1974: Ash, John S.: USNM: 1 [1 - **1**] - 18 March 1974: Ash, John S.: USNM: 1 [1 - **1**] - 21 March 1974: Ash, John S.: USNM: 3 [3 - **3**] - 24 March 1974: Ash, John S.: USNM: 1 [1 - **1** - **33**].
Aware Melca: 17 April 1971: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].
Awasa, lake: 2 September 1973: Rupp, Hans: SMF: 13, ZMA: 1 [14 - **14** - **14**].
Awash: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 30 September 1914: : BMNH: 1 [1 - **1** - **2**].
Awash National Park: 25 September 1968: Morris, P.; Great Abbai Expedition, the: BMNH: 2 [2 - **2**] - 27 September 1968: Morris, P.; Great Abbai Expedition, the: BMNH: 1 [1 - **1**] - 28 September 1968: Morris, P.; Great Abbai Expedition, the: BMNH: 4 [4 - **4** - **7**].
Awash river: 7 November 1980: Demeter, Andras: HNHM: 14 [14 - **14** - **14**].
Awash-NP: 9 September 1980: Demeter, Andras: HNHM: 1 [1 - **1** - **1**].
Azir River mouth: 21 August 1968: Morris, P.: BMNH: 3 [3 - **3** - **3**].
Azum: 11 June 1962: Von Heuglin, Theodor: RMNH: 1 [1 - **1** - **1**].
Bahadu: Collection Date Unknown: Ash, John S.: USNM: 21 [21]; Largen, M.J.: BMNH: 1 [1 - **22**] - 20 January 1971: Largen, M.J.: BMNH: 4 [4 - **4**] - 1 May 1971: Ash, John S.: USNM: 3 [3 - **3**] - 3 May 1971: Largen, M.J.: SMF: 21 [21 - **21**] - 7 May 1971: Largen, M.J.: ZMA: 1 [1 - **1**] - 21 November 1971: Ash, John S.: USNM: 1 [1 - **1**] - 24 November 1971: Ash, John S.: USNM: 1 [1 - **1**] - 26 November 1971: Ash, John S.: USNM: 1 [1 - **1**] - 27 November 1971: Ash, John S.: USNM: 5 [5 - **5**] - 30 November 1971: Ash, John S.: USNM: 1 [1 - **1**] - 20 April 1972: Ash, John S.: USNM: 1 [1 - **1**] - 22 April 1972: Ash, John S.: USNM: 1 [1 - **1**] - 24 April 1972: Ash, John S.: USNM: 1 [1 - **1**] - 26 April 1972: Ash, John S.: USNM: 1 [1 - **1**] - 30 April 1972: Ash, John S.: USNM: 1 [1 - **1**] - 2 May 1972: Ash, John S.: USNM: 4 [4 - **4**] - 16 June 1973: Ash, John S.: USNM: 2 [2 - **2**] - 18 June 1973: Ash, John S.: USNM: 1 [1 - **1**] - 24 June 1973: Ash, John S.: USNM: 1 [1 - **1** - **73**].
Bahar Dar: 6 June 1961: Kock, Dieter: SMF: 3 [3 - **3**] - 6 June 1971: Kock, Dieter: SMF: 2 [2 - **2** - **5**].
Bahr dar Giorgis: 4 June 1922: Mitchell, J.P.: BMNH: 1 [1 - **1** - **1**].
Bahr der Giorgis: 4 June 1922: Mitchell, J.P.: BMNH: 1 [1 - **1** - **1**].
Baro: 15 February 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
Barzala CavE: 1 October 1920: Brown, Barnum: AMNH: 1 [1 - **1**] - 7 October 1920: Brown, Barnum: AMNH: 2 [2 - **2** - **3**].
Belegaz Valley: 3 April 1971: Desfayes, Michel: FMNH: 4 [4 - **4** - **4**].
Belès: 9 April 1971: Desfayes, Michel: MHNG: 1 [1 - **1** - **1**].
Beletta forest: Collection Date Unknown: ?: Collector Unknown: ZMMU: 2 [2 - **2**] - 17 April 1997: Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **3**].
Bellegas-Thal zwischen Simehn und Woggara [=Tal des Belegaz/Belghe]: Collection Date Unknown: Heuglin, Martin Theodor von: NMW: 1 [1 - **1** - **1**].
Bellegaz valley: 3 April 1854: Von Heuglin, Theodor: NMW: 1 [1 - **1** - **1**].
Bermil: 7 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1**] - 8 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 5 [5 - **5**] - 9 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 6 [6 - **6**] - 10 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 3 [3 - **3**] - 11 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 5 [5 - **5** - **20**].
between Shoa and Lake Rudolf: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Bilo: Collection Date Unknown: Lundell, H.W.: BMNH: 1 [1 - **1** - **1**].
Bishan Waka Lake, E side shore: Collection Date Unknown: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 12 February 2001: ?: Collector Unknown: BRTC: 3 [3 - **3**] - 13 February 2001: ?: Collector Unknown: BRTC: 5 [5 - **5**] - 14 February 2001: ?: Collector Unknown: BRTC: 2 [2 - **2**] - 17 February 2001: ?: Collector Unknown: BRTC: 1 [1 - **1** - **12**].
Bokonkorio: 16 July 1976: Ash, John S.: SMF: 3 [3 - **3** - **3**].
Bonga, 15 km E: 26 November 2012: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Bora River Bridge: 17 February 2001: ?: Collector Unknown: BRTC: 5 [5 - **5**] - 18 February 2001: ?: Collector Unknown: BRTC: 2 [2 - **2** - **7**].
Bottego Highlands: Collection Date Unknown: von Erlanger, C.: ZMB: 2 [2 - **2** - **2**].
Bulcha Forest: Collection Date Unknown: ?: Collector Unknown: BMNH: 4 [4]; Ash, John S.: USNM: 9 [9]; Largen, M.J.: BMNH: 5 [5 - **18**] - 13 December 1969: Largen, M.J.: BMNH: 3 [3 - **3**] - 1 June 1971: Ash, John S.: BMNH: 4 [4 - **4**] - 4 June 1971: Ash, John S.: BMNH: 1 [1 - **1**] - 27 February 1972: Ash, John S.: USNM: 2 [2 - **2**] - 3 March 1972: Ash, John S.: USNM: 1 [1 - **1**] - 4 March 1972: Ash, John S.: USNM: 2 [2 - **2**] - 5 March 1972: Ash, John S.: USNM: 1 [1 - **1**] - 6 March 1972: Ash, John S.: USNM: 1 [1 - **1**] - 7 March 1972: Ash, John S.: USNM: 2 [2 - **2**] - 8 March 1972: Ash, John S.: USNM: 1 [1 - **1**] - 3 July 1972: Ash, John S.: USNM: 4 [4 - **4**] - 5 July 1972: Ash, John S.: CM: 1, USNM: 2 [3 - **3**] - 7 July 1972: Ash, John S.: USNM: 1 [1 - **1**] - 9 July 1972: Ash, John S.: CM: 1, USNM: 1 [2 - **2**] - 10 July 1972: Ash, John S.: USNM: 2 [2 - **2**] - 11 July 1972: Ash, John S.: USNM: 1 [1 - **1**] - 10 November 1972: Ash, John S.: USNM: 1 [1 - **1**] - 14 November 1972: Ash, John S.: USNM: 2 [2 - **2**] - 16 November 1972: Ash, John S.: USNM: 1 [1 - **1**] - 18 November 1972: Ash, John S.: CM: 1 [1 - **1**] - 22 November 1972: Ash, John S.: CM: 1 [1 - **1**] - 17 March 1973: Ash, John S.: USNM: 3 [3 - **3**] - 18 March 1973: Ash, John S.: USNM: 1 [1 - **1**] - 23 March 1973: Ash, John S.: USNM: 2 [2 - **2**] - 26 March 1973: Ash, John S.: USNM: 1 [1 - **1**] - 27 March 1973: Ash, John S.: USNM: 1 [1 - **1**] - 20 January 1974: Ash, John S.: USNM: 2 [2 - **2**] -

22 January 1974: Ash, John S.: USNM: 1 [1 - **1**] - 26 January 1974: Ash, John S.: USNM: 1 [1 - **1**] - 29 January 1974: Ash, John S.: USNM: 1 [1 - **1**] - 30 January 1974: Ash, John S.: USNM: 1 [1 - **1**] - 19 May 1974: Ash, John S.: USNM: 1 [1 - **1**] - 21 June 1974: Ash, John S.: USNM: 1 [1 - **1**] - 22 June 1974: Ash, John S.: USNM: 3 [3 - **3**] - 25 June 1974: Ash, John S.: USNM: 1 [1 - **1**] - 1 January 1976: Rupp, Hans: SMNS: 1 [1 - **1**] - 29 January 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 1 February 1976: Ash, John S.: SMF: 1 [1 - **1**] - 4 February 1976: Nikolaus, Gerhard: SMNS: 2 [2 - **2**] - 19 February 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 20 February 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **82**].

Challa, mount: 8 May 1971: Desfayes, Michel: FMNH: 10 [10 - **10** - **10**].

Chamo, lake: 16 March 1974: Rupp, Hans: SMF: 2 [2 - **2** - **2**].

Chamo, NE of lake: Collection Date Unknown: Sandhurst Ethiopia Expedition 1966, The: BMNH: 2 [2 - **2** - **2**].

Chamo, S bank of lake: 16 March 1974: Rupp, Hans: SMF: 1 [1 - **1** - **1**].

Chano: 20 July 1974: : SMF: 1 [1 - **1** - **1**].

Coccia: Collection Date Unknown: : ZMMU: 1 [1 - **1** - **1**].

Dag Island: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].

Dangila: Collection Date Unknown: Cheesman, Robert Ernest: BMNH: 6 [6 - **6**] - 17 August 1926: Cheesman, Robert Ernest: BMNH: 3 [3 - **3**] - 19 September 1928: Cheesman, Robert Ernest: BMNH: 2 [2 - **2**] - 18 October 1928: Cheesman, Robert Ernest: BMNH: 1 [1 - **1** - **12**].

Dangola Washa Caves: 12 November 2012: Benda, Petr: NMP: 3 [3 - **3** - **3**].

Debre Marcos, near: 5 March 1927: Osgood, Wilfred Hudson: FMNH: 1 [1 - **1** - **1**].

Desea Forest: Collection Date Unknown: Benda, Petr: NMP: 1 [1 - **1** - **1**].

Didessa River: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3]; : BMNH: 3 [3 - **6**] - 1 March 1970: Largen, M.J.: BMNH: 10 [10 - **10**] - 14 March 1970: : SMF: 2 [2 - **2** - **18**].

Didessa river bridge: Collection Date Unknown: Largen, M.J.: BMNH: 2 [2 - **2**] - 1 March 1970: Largen, M.J.: BMNH: 1 [1 - **1**] - 20 January 1973: ?: Collector Unknown: CM: 1 [1 - **1**] - 18 November 1975: : SMF: 4 [4 - **4**] - 19 November 1975: : SMF: 1 [1]; Nikolaus, Gerhard: SMF: 3 [3 - **4**] - 5 March 2001: ?: Collector Unknown: BRTC: 7 [7 - **7** - **19**].

Didessa River mouth: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Didessa settlement: Collection Date Unknown: Ash, John S.: USNM: 1 [1 - **1**] - 1 October 1971: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 27 January 1972: Ash, John S.: USNM: 1 [1 - **1**] - 28 January 1972: Ash, John S.: USNM: 9 [9 - **9**] - 29 January 1972: Ash, John S.: USNM: 1 [1 - **1**] - 9 February 1972: Ash, John S.: USNM: 3 [3 - **3**] - 20 January 1973: Ash, John S.: CM: 1, USNM: 4 [5 - **5**] - 22 January 1973: Ash, John S.: USNM: 1 [1 - **1**] - 25 January 1973: Ash, John S.: USNM: 1 [1 - **1**] - 29 January 1973: Ash, John S.: USNM: 1 [1 - **1**] - 17 February 1974: Ash, John S.: USNM: 1 [1 - **1**] - 20 February 1974: Ash, John S.: USNM: 3 [3 - **3**] - 21 February 1974: Ash, John S.: USNM: 1 [1 - **1**] - 22 February 1974: Ash, John S.: USNM: 2 [2 - **2**] - 24 February 1974: Ash, John S.: USNM: 1 [1 - **1**] - 26 February 1974: Ash, John S.: USNM: 1 [1 - **1**] - 5 September 1974: Rupp, Hans: SMF: 1 [1 - **1**] - 15 July 1975: Ash, John S.: USNM: 1 [1 - **1** - **38**].

Dinsho: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Dire Daoua: 6 April 1936: Uhlenhuth: RMCA: 1 [1 - **1**] - 16 April 1936: Uhlenhuth: RMCA: 1 [1 - **1**] - 21 June 1936: Uhlenhuth: RMCA: 1 [1 - **1** - **3**].

Dire Dawa: Collection Date Unknown: Biedermann: ZMB: 2 [2]; Ipa; Uhlenhuth: ZMB: 3 [3]; Neumann; Uhlenhut: ZMB: 4 [4]; Uhlenhuth: ZMB: 2 [2 - **11**] - 1 January 1920: Brown, Barnum: AMNH: 1 [1 - **1**] - 20 September 1920: Brown, Barnum: AMNH: 1 [1 - **1** - **13**].

Dire Dawa, 3 km S: Collection Date Unknown: Ingersol, R.H.: OSU: 3 [3 - **3** - **3**].

Djala: 1 February 1901: Neumann: ZMB: 1 [1 - **1** - **1**].

Djem-djem Forest: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Djiren [=Jiren]: 1 April 1901: Neumann: ZMB: 1 [1 - **1** - **1**].

Dobleh: Collection Date Unknown: Delamere: BMNH: 1 [1 - **1** - **1**].

Dogy River Bridge: 18 February 2001: ?: Collector Unknown: BRTC: 2 [2 - **2**] - 21 February 2001: ?: Collector Unknown: BRTC: 3 [3]; Schlitter, Duane Albert: BRTC: 1 [1 - **4**] - 22 February 2001: ?: Collector Unknown: BRTC: 15 [15 - **15**] - 23 February 2001: ?: Collector Unknown: BRTC: 14 [14]; Schlitter, Duane Albert: BRTC: 1 [1 - **15**] - 25 February 2001: ?: Collector Unknown: BRTC: 20 [20 - **20** - **56**].

Doki River: 14 April 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Doki River Bridge: 18 October 1975: : SMF: 1 [1 - **1**] - 27 October 1975: Nikolaus, Gerhard: SMF: 1 [1 - **1**] - 29 October 1975: Nikolaus, Gerhard: SMF: 5 [5 - **5** - **7**].

Dolo: 17 April 1973: Ash, John S.: USNM: 1 [1 - **1** - **1**].

Donkam River: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].

Dorsey: 14 March 1974: Rupp, Hans: SMF: 3 [3 - **3** - **3**].

Dungulbar, near: 31 March 1927: Daily News Abyssinia expedition, The: FMNH: 1 [1 - **1** - **1**].

Errer valley: 29 December 1962: Ingersol, R.H.: OSU: 1 [1 - **1**] - 31 December 1962: Ingersol, R.H.: OSU: 3 [3 - **3** - **4**].

Fafan River: 3 October 1975: : SMF: 1 [1 - **1** - **1**].

Fashodo: Collection Date Unknown: Schweinfurth, Georg: ZMB: 1 [1 - **1** - **1**].

Fatam R Big Abbai: 17 March 1927: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Filwoha Awash: 26 December 1970: Yalden, Derek; Morris, P.; Largen, M.J.: BMNH: 1 [1 - **1**] - 25 October 1972: Ash, John S.: USNM: 1 [1 - **1** - **2**].

Fincha River, mouth: Collection Date Unknown: Morris, P.; Great Abbai Expedition, the: BMNH: 2 [2 - **2** - **2**].

Forty Springs: 19 July 1974: Rupp, Hans: SMF: 22 [22 - **22** - **22**].

Galana river: Collection Date Unknown: Neumann: ZMB: 2 [2 - **2** - **2**].

Gambela: Collection Date Unknown: ?: Collector Unknown: BMNH: 22 [22]; : ZFMK: 2 [2]; Largen, M.J.: BMNH: 1 [1]; Nikolaus, Gerhard: ZFMK: 20 [20 - **45**] - 29 December 1969: ?: Collector Unknown: SMF: 1 [1]; : SMF: 2 [2 - **3**] - 10 February 1970: ?: Collector Unknown: SMF: 1 [1 - **1**] - 13 February 1970: Largen, M.J.: BMNH: 1 [1 - **1**] - 12 June 1970: Ash, John S.: USNM: 1 [1 - **1**] - 20 August 1970: Ash, John S.: USNM: 1 [1 - **1**] - 21 August 1970: Ash, John S.: USNM: 1 [1 - **1**] - 2 July 1971: Ash, John S.: USNM: 1 [1 - **1**] - 25 July 1971: Ash, John S.: USNM: 1 [1 - **1**] - 28 July 1971: Largen, M.J.: SMF: 1 [1 - **1**] - 2 August 1971: Ash, John S.: USNM: 1 [1 - **1**] - 1 January 1972: : SMF: 2 [2]; Nikolaus, Gerhard: SMF: 4 [4 - **6**] - 24 February 1972: Nikolaus, Gerhard: ZFMK: 1 [1 - **1**] - 4 April 1972: Ash, John S.: CM: 1 [1 - **1**] - 22 June 1972: Nikolaus, Gerhard: ZFMK: 1 [1 - **1**] - 24 June 1972: Nikolaus, Gerhard: ZFMK: 1 [1 - **1**] - 26 June 1972: Nikolaus, Gerhard: ZFMK: 4 [4 - **4**] - 30 June 1972: Nikolaus, Gerhard: ZFMK: 2 [2 - **2**] - 1 July 1972: Nikolaus, Gerhard: ZFMK: 1 [1 - **1**] - 4 July 1972: Nikolaus, Gerhard: ZFMK: 1 [1 - **1**] - 14 July 1972: Nikolaus, Gerhard: ZFMK: 1 [1 - **1**] - 23 July 1972: Ash, John S.: USNM: 1 [1 - **1**] - 24 July 1972: Ash, John S.: USNM: 2 [2]; Nikolaus, Gerhard: ZFMK: 1 [1 - **3**] - 26 July 1972: Ash, John S.: USNM: 3 [3 - **3**] - 27 July 1972: Ash, John S.: USNM: 1 [1 - **1**] - 28 July 1972: Nikolaus, Gerhard:

ZFMK: 1 [1 - **1**] - 2 August 1972: Nikolaus, Gerhard: ZFMK: 2 [2 - **2**] - 3 August 1972: Nikolaus, Gerhard: ZFMK: 2 [2 - **2**] - 6 August 1972: : SMF: 1 [1 - **1**] - 8 August 1972: Nikolaus, Gerhard: ZFMK: 1 [1 - **1**] - 24 August 1972: Nikolaus, Gerhard: ZFMK: 2 [2 - **2**] - 6 November 1972: Nikolaus, Gerhard: ZFMK: 2 [2 - **2**] - 4 December 1972: Ash, John S.: USNM: 3 [3 - **3**] - 7 December 1972: Ash, John S.: USNM: 3 [3 - **3**] - 12 December 1972: Ash, John S.: USNM: 1 [1 - **1**] - 13 December 1972: Ash, John S.: USNM: 2 [2 - **2**] - 15 December 1972: ?: Collector Unknown: CM: 1 [1 - **1**] - 20 December 1972: Nikolaus, Gerhard: ZFMK: 1 [1 - **1**] - 3 December 1973: Ash, John S.: USNM: 2 [2 - **2**] - 4 December 1973: Ash, John S.: USNM: 5 [5 - **5**] - 5 December 1973: Ash, John S.: USNM: 4 [4 - **4**] - 6 December 1973: Ash, John S.: USNM: 1 [1 - **1**] - 7 December 1973: Ash, John S.: USNM: 3 [3 - **3**] - 9 December 1973: Ash, John S.: USNM: 2 [2 - **2**] - 10 December 1973: Ash, John S.: USNM: 1 [1 - **1**] - 11 December 1973: Ash, John S.: USNM: 4 [4 - **4**] - 13 December 1973: Ash, John S.: USNM: 1 [1 - **1**] - 14 December 1973: Ash, John S.: USNM: 3 [3 - **3**] - 14 May 1974: Ash, John S.: USNM: 1 [1 - **1**] - 15 May 1974: Ash, John S.: USNM: 1 [1 - **1**] - 21 May 1974: Ash, John S.: USNM: 1 [1 - **1**] - 24 May 1974: Ash, John S.: USNM: 1 [1 - **1** - **136**].

Gambela Hizboch region [=Gambela region]: Collection Date Unknown: ?: Collector Unknown: SMF: 2 [2 - **2**] - 8 February 1970: : SMF: 1 [1 - **1** - **3**].

Gambela, 15 km E: Collection Date Unknown: Nikolaus, Gerhard: SMNS: 2 [2 - **2**] - 19 February 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **3**].

Gambela, 60 km E: 15 February 1976: Nikolaus, Gerhard: SMNS: 3 [3 - **3** - **3**].

Garairobi Lake: Collection Date Unknown: Huyn, Ludwig von: ZMB: 1 [1 - **1** - **1**].

Gelego: 22 March 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 2 [2 - **2**] - 23 March 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1**] - 24 March 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1**] - 25 March 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1**] - 26 March 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 21 [21 - **21**] - 27 March 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 5 [5 - **5** - **31**].

Ghibbey valley: 5 July 1959: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].

Ghimbi: 5 September 1974: Rupp, Hans: SMF: 2 [2 - **2** - **2**].

Ghinda: Collection Date Unknown: : MSNG: 1 [1 - **1** - **1**].

Ghinir, 10 km from: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Ghinir, 7 km from: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 17 January 1971: Dorst, Jean Pierre: MNHN: 1 [1 - **1**] - 17 February 1971: ?: Collector Unknown: MNHN: 6 [6 - **6** - **10**].

Gimbi: 26 September 1971: Dorst, Jean Pierre: MNHN: 1 [1 - **1** - **1**].

Gimbi, 12 km E: 27 September 1971: Dorst, Jean Pierre; *et al.*: MNHN: 1 [1 - **1** - **1**].

Gimbi, 25 km E: 27 September 1971: Dorst, Jean Pierre; *et al.*: MNHN: 1 [1 - **1** - **1**].

Gimbi, 7 km E: 27 September 1971: Dorst, Jean Pierre; *et al.*: MNHN: 1 [1 - **1** - **1**].

Giner, 48 km N: 28 December 1973: Williams, A.E.: ROM: 1 [1 - **1**] - 30 December 1973: Williams, A.E.: ROM: 1 [1 - **1**] - 1 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 4 January 1974: Williams, A.E.: ROM: 1 [1 - **1**] - 7 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 12 January 1974: Williams, A.E.: ROM: 1 [1 - **1**] - 23 January 1974: Williams, A.: ROM: 1 [1 - **1** - **9**].

Ginir, 30 mi [=48 km] N: Collection Date Unknown: Williams, A.E.: ROM: 3 [3 - **3**] - 24 December 1973: Williams, A.E.: ROM: 4 [4 - **4**] - 1 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 2 January 1974: Williams, A.E.: ROM: 1 [1 - **1**] - 5 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 6 January 1974: Williams, A.E.: ROM: 1 [1 - **1**] - 8 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 10 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 12 January 1974: Williams, A.E.: ROM: 3 [3 - **3**] - 15 January 1974: Williams, A.E.: ROM: 3 [3 - **3**] - 16 January 1974: Williams, A.E.: ROM: 3 [3 - **3**] - 19 January 1974: Williams, A.E.: ROM: 5 [5 - **5**] - 20 January 1974: Williams, A.E.: ROM: 4 [4 - **4**] - 22 January 1974: Williams, A.E.: ROM: 5 [5 - **5**] - 23 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 24 January 1974: Williams, A.E.: ROM: 1 [1 - **1**] - 7 February 1974: Williams, A.E.: ROM: 1 [1 - **1** - **44**].

Ginir, 49 km N: 24 December 1973: Williams, A.E.: ROM: 1 [1 - **1**] - 28 December 1973: Williams, A.E.: ROM: 1 [1 - **1**] - 30 December 1973: Williams, A.E.: ROM: 1 [1 - **1**] - 2 January 1974: Williams, A.E.: ROM: 1 [1 - **1**] - 4 January 1974: Williams, A.E.: ROM: 1 [1 - **1**] - 15 January 1974: Williams, A.E.: ROM: 1 [1 - **1** - **6**].

Goba: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].

Goba, 3 mi S: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].

Godare forest: Collection Date Unknown: Lavrenchenko, Leonid A.: ZMMU: 2 [2 - **2** - **2**].

Godjeb valley, middle: Collection Date Unknown: Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **1**].

Gofa: Collection Date Unknown: Neumann: ZMB: 1 [1 - **1** - **1**].

Gojeb River: 17 August 1973: Rupp, Hans: SMF: 1 [1 - **1** - **1**].

Gondar: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3]; Ward, C?: BMNH: 2 [2 - **5**] - 11 October 1959: Ward, C?: BMNH: 1 [1 - **1**] - 8 December 1959: Ward, C?: BMNH: 1 [1 - **1** - **7**].

Gondar, 15 mi NE: 5 April 1927: Bailey, Alfred Marshall: FMNH: 7 [7 - **7** - **7**].

Gondur, 15 mi NE: 5 April 1927: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Gorgora: 13 March 1937: Dainelli, Giotto: MZUF: 1 [1 - **1** - **1**].

Gorgorá, Lago di Tana: 25 March 1937: Castelli: MZUF: 1 [1 - **1** - **1**].

Gowane: 19 October 1976: Rupp, Hans: SMNS: 2 [2 - **2**] - 22 October 1976: Rupp, Hans: SMNS: 4 [4 - **4** - **6**].

Grara: 14 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 9 [9 - **9**] - 15 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 5 [5 - **5** - **14**].

Harairobo, lake: 5 February 1931: Huyn, Ludwig von: ZFMK: 5 [5 - **5** - **5**].

Harar: Collection Date Unknown: von Erlanger, C.; Neumann: ZMB: 2 [2 - **2**] - 10 January 1902: Degen, E.: BMNH: 1 [1 - **1**] - 1 July 1906: Szántó, E.: NMW: 1 [1 - **1** - **4**].

Harenna Forest: 19 December 1995: Kruskop, Sergey V.: ZMMU: 1 [1 - **1** - **1**].

Harle: Collection Date Unknown: Benda, Petr: NMP: 1 [1 - **1** - **1**].

Harrar: Collection Date Unknown: Felter, Pietro: MSNG: 1 [1 - **1**] - 1 January 1893: Salimbeni, Augusto: MSNG: 2 [2 - **2**] - 5 November 1920: Brown, Barnum: AMNH: 2 [2 - **2** - **5**].

Harrar [=Harar]: 10 January 1902: Degen, E.: BMNH: 1 [1 - **1**] - 19 January 1912: Kristensen, G.: BMNH: 1 [1 - **1** - **2**].

Harre river: 3 March 1974: Rupp, Hans: SMF: 7 [7 - **7** - **7**].

Harrena Forest: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].

Haza Boran: 10 January 1909: Brockman, D.: BMNH: 1 [1 - **1** - **1**].

Hirna: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Hirna and Deder, between: Collection Date Unknown: Lavrenchenko, Leonid A.: ZMMU: 2 [2 - **2** - **2**].

Illala Sala, Awash-NP: 9 November 1980: Demeter, Andras: HNHM: 11 [11 - **11** - **11**].
Jarra: 24 December 1973: Williams, A.E.: ROM: 5 [5 - **5**] - 29 December 1973: Williams, A.E.: ROM: 2 [2 - **2**] - 30 December 1973: Williams, A.E.: ROM: 2 [2 - **2**] - 4 January 1974: Williams, A.E.: ROM: 1 [1 - **1**] - 6 January 1974: Williams, A.E.: ROM: 7 [7 - **7**] - 7 January 1974: Williams, A.E.: ROM: 4 [4 - **4**] - 8 January 1974: Williams, A.E.: ROM: 5 [5 - **5**] - 10 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 12 January 1974: Williams, A.E.: ROM: 1 [1 - **1**] - 13 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 15 January 1974: Williams, A.E.: ROM: 3 [3 - **3**] - 16 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 18 January 1974: Williams, A.E.: ROM: 5 [5 - **5**] - 20 January 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 21 January 1974: Williams, A.E.: ROM: 3 [3 - **3**] - 24 January 1974: Williams, A.E.: ROM: 1 [1 - **1** - **47**].
Jigiga Road bridge: 6 January 1964: Ingersol, R.H.: MVZ: 1 [1 - **1** - **1**].
Jigiga Road bridge, 0.5 km E: 12 December 1962: Ingersol, R.H.: MVZ: 1 [1 - **1** - **1**].
Jigiga Road, 16 km S: 8 July 1962: Ingersol, R.H.: MVZ: 1 [1 - **1** - **1**].
Jikaw: 23 February 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
Jimma: 4 August 1973: : SMF: 1 [1 - **1** - **1**].
Jimma, 5 km E: 19 October 1975: ?: Collector Unknown: SMF: 1 [1]; Nikolaus, Gerhard: SMF: 4 [4 - **5**] - 20 October 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 November 1975: Nikolaus, Gerhard: SMF: 1 [1 - **1** - **7**].
Kapseta: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kelam: 11 March 1975: Ash, John S.: USNM: 3 [3 - **3**] - 12 March 1975: Ash, John S.: USNM: 3 [3 - **3** - **6**].
Koffolé: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 21 April 1968: ?: Collector Unknown: MNHN: 1 [1 - **1** - **3**].
Koha Dairy Development: 29 January 2001: Schlitter, Duane Albert: BRTC: 3 [3 - **3** - **3**].
Koi area: Collection Date Unknown: Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **1**].
Koka: Collection Date Unknown: ?: Collector Unknown: BMNH: 6 [6]; Ash, John S.: USNM: 19 [19]; Schlitter, Duane Albert: CM: 1 [1]; Traub, Robert: CM: 7 [7]; Traub, Robert; Ash, J.S.: CM: 5 [5 - **38**] - 5 March 1971: Largen, M.J.: SMF: 2 [2 - **2**] - 18 March 1971: Largen, M.J.: SMF: 1 [1 - **1**] - 2 April 1971: Largen, M.J.: SMF: 1 [1 - **1**] - 18 December 1971: Ash, John S.: USNM: 2 [2 - **2**] - 20 December 1971: Ash, John S.: USNM: 2 [2 - **2**] - 21 December 1971: Ash, John S.: USNM: 1 [1 - **1**] - 22 December 1971: Ash, John S.: USNM: 1 [1 - **1**] - 26 February 1972: Ash, John S.: USNM: 2 [2 - **2**] - 26 March 1972: Ash, John S.: USNM: 1 [1 - **1**] - 28 March 1972: Ash, John S.: USNM: 1 [1 - **1**] - 7 April 1972: Ash, John S.: USNM: 1 [1 - **1**] - 24 February 1973: Traub, Robert; Ash, J.S.: CM: 1 [1 - **1**] - 25 February 1973: Traub, Robert; Ash, J.S.: CM: 1 [1 - **1**] - 1 March 1973: Ash, John S.: USNM: 1 [1 - **1**] - 6 March 1973: Ash, John S.: USNM: 1 [1 - **1**] - 6 October 1973: Ash, John S.: USNM: 1 [1 - **1**] - 7 October 1973: Ash, John S.: USNM: 1 [1 - **1**] - 9 October 1973: Ash, John S.: USNM: 1 [1 - **1**] - 11 October 1973: Ash, John S.: USNM: 1 [1 - **1**] - 15 October 1973: Ash, John S.: USNM: 1 [1 - **1**] - 16 October 1973: Ash, John S.: USNM: 4 [4 - **4**] - 17 September 1975: Ash, John S.: SMF: 1 [1 - **1**] - 20 September 1975: Ash, John S.: SMF: 1 [1 - **1**] - 27 September 1975: Nikolaus, Gerhard: SMF: 1 [1 - **1**] - 11 October 1976: Rupp, Hans: SMNS: 1 [1 - **1** - **70**].
Koma Forest, 5 km N, 20 km W: 8 February 2001: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 9 February 2001: ?: Collector Unknown: BRTC: 3 [3 - **3**] - 10 February 2001: ?: Collector Unknown: BRTC: 1 [1 - **1** - **5**].
Korem: Collection Date Unknown: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Kulfo river: Collection Date Unknown: : HZM: 3 [3 - **3**] - 11 August 1990: Timmins, R.J.: HZM: 1 [1 - **1** - **4**].
Lado: 11 March 1910: Le-Roi, Otto: ZFMK: 1 [1 - **1** - **1**].
Lake Abaya: 13 April 1929: Carter, T. Donald: AMNH: 2 [2 - **2** - **2**].
Lake Abaya, West shore: 30 April 1968: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Lake Langano: 26 April 1964: Hengsterberg: SMF: 2 [2 - **2**] - 3 March 1973: Ashford, R.: SMF: 1 [1 - **1**] - 12 October 1980: Demeter, Andras: HNHM: 5 [5 - **5**] - 13 October 1980: Demeter, Andras: HNHM: 17 [17 - **17** - **25**].
Lake Shalla: 21 April 1971: Desfayes, Michel: FMNH: 27 [27 - **27** - **27**].
Lake Tana: 1 January 1937: Dainelli, Giotto: MZUF: 1 [1 - **1** - **1**].
Lalibela: 26 March 1978: ?: Collector Unknown: MZUF: 4 [4 - **4**] - 13 January 2000: Juste, Javier: EBD: 1 [1 - **1**] - 20 January 2000: Juste, Javier: EBD: 2 [2 - **2**] - 31 January 2000: Juste, Javier: EBD: 3 [3 - **3**] - 1 February 2000: Juste, Javier: EBD: 1 [1 - **1** - **11**].
Lalibéla: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].
Langano, W coast lake: Collection Date Unknown: Largen, M.J.: BMNH: 1 [1 - **1** - **1**].
Lava-Dom: 11 September 1973: Rupp, Hans: SMF: 7 [7 - **7** - **7**].
Let Marafi: 30 November 1884: Antinori, Orazio: MNHN: 1 [1 - **1** - **1**].
Let Marefia: Collection Date Unknown: : MSNG: 1 [1 - **1** - **1**].
Mabil: 18 August 1968: Morris, P.; Great Abbai Expedition, the: BMNH: 5 [5 - **5** - **5**].
Mabil, 10 km W: 15 August 1968: Morris, P.; Great Abbai Expedition, the: BMNH: 2 [2 - **2**] - 18 August 1968: Morris, P.; Great Abbai Expedition, the: BMNH: 1 [1 - **1**] - 19 August 1968: Morris, P.; Great Abbai Expedition, the: BMNH: 2 [2 - **2** - **5**].
Makalle: Collection Date Unknown: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].
Manera forest: 17 May 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 January 1964: Andral: MNHN: 2 [2 - **2** - **3**].
Masha, Baro River: 5 September 2003: Benda, Petr: NMP: 2 [2 - **2** - **2**].
Medague: 3 February 2000: Juste, Javier: EBD: 2 [2 - **2** - **2**].
Megbiya Ber: 7 November 2012: Benda, Petr: NMP: 6 [6 - **6** - **6**].
Megenagne: 17 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1**] - 18 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 5 [5 - **5**] - 19 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 3 [3 - **3**] - 21 April 2010: Vasenkov, Denis A.; Lavrenchenko, Leonid A.: ZMMU: 2 [2 - **2**] - 8 November 2012: Benda, Petr: NMP: 2 [2 - **2** - **13**].
Mehadid: 9 November 2012: Benda, Petr: NMP: 10 [10 - **10** - **10**].
Mekinissa: 4 February 1976: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].
Melka Sadi: 19 March 1974: Williams, A.E.: ROM: 3 [3 - **3**] - 20 March 1974: Williams, A.E.: ROM: 2 [2 - **2** - **5**].
Melka Were: 27 February 1974: Williams, A.E.: ROM: 7 [7 - **7**] - 3 March 1974: Williams, A.E.: ROM: 1 [1 - **1**] - 4 March 1974: Williams, A.E.: ROM: 3 [3 - **3**] - 5 March 1974: Williams, A.E.: ROM: 11 [11 - **11**] - 6 March 1974: Williams, A.E.: ROM: 5 [5 - **5**] - 8 March 1974: Williams, A.E.: ROM: 5 [5 - **5**] - 9 March 1974: Williams, A.E.: ROM: 7 [7 - **7**] - 10 March 1974: Williams, A.E.: ROM: 11 [11 - **11**] - 11 March 1974: Williams, A.E.: ROM: 11 [11 - **11**] - 12 March 1974: Williams, A.E.: ROM: 14 [14 - **14**] - 14 March 1974: Williams, A.E.: ROM: 8 [8 - **8**] - 15 March 1974: Williams, A.E.: ROM: 5 [5 - **5**] - 16 March 1974: Williams, A.E.: ROM: 4 [4 - **4**] - 17 March 1974: Williams, A.E.: ROM: 4 [4 - **4**] - 18 March 1974: Williams, A.E.: ROM: 4 [4 - **4** - **100**].
Menagesha Forest: Collection Date Unknown: Benda, Petr: NMP: 3 [3 - **3** - **3**].

Metahara, 1 km W: 29 December 1970: Yalden, Derek; Morris, P.; Largen, M.J.: BMNH: 1 [1 - **1**] - 1 April 1974: Rupp, Hans: SMF: 28 [28 - **28** - **29**].
Metemma, near: 18 April 1927: Osgood, Wilfred Hudson: FMNH: 6 [6 - **6** - **6**].
Metu: Collection Date Unknown: ?: Collector Unknown: NMP: 2 [2 - **2** - **2**].
Migiurtinia, Oasi di Galgalo: 8 October 1973: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].
Mui: 10 April 1972: Largen, P.M.J.: BMNH: 1 [1 - **1** - **1**].
Nechisar National Park: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Negelli, 74 km E: 13 April 1974: Ash, John S.: USNM: 2 [2 - **2** - **2**].
Negheli: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Neghelli: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ogaden: 1 January 1892: Ruspoli, L.: USNM: 2 [2 - **2** - **2**].
Omar limestone cave, S of: 29 October 1971: Yalden, Derek; Morris, P.; Largen, M.J.: BMNH: 1 [1 - **1** - **1**].
Omo valley: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Oromiya state: 5 March 1971: ?: Collector Unknown: SMF: 3 [3 - **3**] - 4 July 1971: ?: Collector Unknown: SMF: 3 [3 - **3** - **6**].
Poi, 2 mi N: Collection Date Unknown: Cifelli, R.L.: USNM: 1 [1 - **1** - **1**].
Pokwo: 23 August 1972: Largen, M.J.: SMF: 2 [2 - **2** - **2**].
Robi: 16 July 1959: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].
Rudolf, lake, 10 km NE: 8 July 1969: Largen, M.J.: BMNH: 1 [1 - **1** - **1**].
Saati: Collection Date Unknown: Ragaeczi: AMNH: 3 [3 - **3** - **3**].
Sabeta: 1 December 1980: Demeter, Andras: HNHM: 2 [2 - **2** - **2**].
Sandford's Ranch: 25 October 1926: ?: Collector Unknown: FMNH: 1 [1]; Bailey, Alfred Marshall: FMNH: 6 [6 - **7** - **7**].
Sanfords Ranch: 25 October 1926: Hist, H.: TM: 1 [1 - **1** - **1**].
Satema, 1.5 km N, 0.5 km W: 6 March 2001: ?: Collector Unknown: BRTC: 24 [24 - **24**] - 7 March 2001: ?: Collector Unknown: BRTC: 4 [4 - **4** - **28**].
Sauena: 26 April 1974: Ash, John S.: USNM: 1 [1 - **1** - **1**].
Schoa: Collection Date Unknown: : SMF: 2 [2 - **2** - **2**].
Sheik Hussein: Collection Date Unknown: von Erlanger, C.: ZMB: 2 [2 - **2** - **2**].
Sheko area: Collection Date Unknown: Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **1**].
Shibe-Tolley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Shifra: 7 May 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 9 May 1976: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **2**].
Shigella: 27 February 1974: Rupp, Hans: SMF: 1 [1 - **1** - **1**].
Shoa: Collection Date Unknown: : BMNH: 1 [1]; Harris, William Cornwallis: BMNH: 1 [1]; Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **3**] - 1 January 1841: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1** - **4**].
Shoa province: Collection Date Unknown: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1**] - 1 January 1841: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1842: Rüppell, Wilhem Peter Edward Simon: SMF: 2 [2 - **2** - **4**].
Sidam-Bale bridge: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Sidon: 1 January 1975: Yalden, Derek; Morris, P.; Largen, M.J.: BMNH: 2 [2 - **2** - **2**].
Simien mountains: 1 July 1834: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1** - **1**].
Simien Mountains National Park: Collection Date Unknown: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Simien National Park: 5 November 2012: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Sirba: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].
Sof Omar cave: Collection Date Unknown: ?: Collector Unknown: HZM: 6, NMP: 8 [14]; Benda, Petr; Obuch, Ján: NMP: 11 [11]; Williams, A.E.: ROM: 1 [1 - **26**] - 1 March 1971: ?: Collector Unknown: SMF: 2 [2]; Ashford, R.: SMF: 1 [1 - **3**] - 5 February 1974: Williams, A.E.: ROM: 5 [5 - **5**] - 19 July 1998: Bates, Paul J.J.; Pearch, Malcolm J.; Nurhussein, O.: HZM: 14 [14 - **14** - **48**].
Sof-Omar: Collection Date Unknown: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].
Sorobo: Collection Date Unknown: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Tana, lake: 1 October 1967: Schüz: SMNS: 1 [1 - **1** - **1**].
Tola River: 25 August 1974: : SMF: 1 [1 - **1**] - 6 September 1974: : SMF: 1 [1 - **1**] - 7 September 1974: : SMF: 1 [1 - **1** - **3**].
Torat: 6 January 1923: ?: Collector Unknown: MSNM: 2 [2 - **2**] - 6 February 1923: ?: Collector Unknown: MSNM: 1 [1 - **1** - **3**].
Vicinity of Addis Ababa: Collection Date Unknown: Imperial Ethiopian Lightway Authority, The: BMNH: 1 [1 - **1** - **1**].
Wadere: 10 February 1950: Peper: BMNH: 1 [1 - **1** - **1**].
Wahina: 5 March 1927: Bailey, Alfred Marshall: FMNH: 1 [1 - **1** - **1**].
Warras: Collection Date Unknown: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Wereta-Weldiya Road: 2 April 1995: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].
Woliso: 2 October 1959: Allison, F.R.: HZM: 1 [1 - **1**] - 14 October 1959: Allison, F.R.: HZM: 1 [1 - **1** - **2**].
Yavello, 25 km N: 9 March 1971: Largen, Clark: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Ethiopia: 2628

France

Beauvais cathedral: 1 October 1996: BMNH: 1 [1 - **1** - **1**].
Charlemont: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
St. Paterna: Collection Date Unknown: Lataste collection, The: MNHN: 1 [1 - **1**] - 6 April 1893: Nitsche: ZMB: 1 [1 - **1** - **2**].

Total Specimens for France: 4

Gabon

Unknown locality: Collection Date Unknown: AMNH: 1, BMNH: 9, DNSM: 1, MCZ: 2, MNHN: 2, SMF: 1, ZMA: 1 [17]; : BMNH: 1 [1]; Büttner: ZMB: 1 [1]; Hupfer: ZMB: 1 [1]; Laglaize: BMNH: 1 [1]; Mission Biologique au Gabon, La: ZMA: 1 [1]; Schilling: ZMB: 1 [1]; Schlüter, A.: ZMB: 1 [1]; Umlauff: ZMB: 1 [1]; Ward, Henry Augustus: MCZ: 1 [1 - **26**] - 17 September 1987: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **27**].
"Gabon": Collection Date Unknown: Franquet: MNHN: 1 [1 - **1** - **1**].

Anengué Lake: Collection Date Unknown: Roux, Francis: MNHN: 1 [1 - **1** - **1**].
Anengué, lake: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; Roux, Francis: MNHN: 1 [1 - **3** - **3**].
Anguanamo: 6 July 1918: Aschemeier, Charles R.: USNM: 1 [1 - **1**] - 29 July 1918: Aschemeier, Charles R.: USNM: 3 [3 - **3** - **4**].
Bas Ogooué: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Bateke Plateau: 1 August 1971: Bradbury, Jack W.: CUMV: 1 [1 - **1** - **1**].
Batouala: Collection Date Unknown: ?: Collector Unknown: MNHN: 16 [16 - **16**] - 1 January 1962: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 22 February 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 22 July 1963: Mission Biologique au Gabon, La: ZMA: 14 [14 - **14**] - 24 July 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 25 July 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 26 July 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 19 December 1963: Van Bree, Peter Johannes Hendrikus: ZMA: 8 [8 - **8**] - 15 December 1965: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 20 May 1987: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **45**].
Batouala cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Batouala or Bélinga: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 July 1963: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Batouala, near: 25 July 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Bawaka: 29 August 1971: Bradbury, Jack W.: CUMV: 1 [1 - **1** - **1**].
Bélinga: Collection Date Unknown: ?: Collector Unknown: MNHN: 76 [76]; : ZMA: 1 [1]; Brosset, André: MNHN: 1 [1]; Chabaud, Alain Gabriel: MNHN: 7 [7]; Dragesco, Jean: ZMA: 9 [9]; Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **96**] - 16 May 1905: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 1 December 1962: ?: Collector Unknown: MNHN: 21 [21]; Mission Biologique au Gabon, La: ZMA: 2 [2 - **23**] - 9 December 1962: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 26 December 1962: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 27 December 1962: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 28 December 1962: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 1 January 1963: Dragesco, Jean: ZMA: 1 [1]; Mission Biologique au Gabon, La: ZMA: 7 [7 - **8**] - 4 January 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 5 January 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 23 January 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 24 January 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 25 January 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 27 January 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 1 February 1963: Mission Biologique au Gabon, La: ZMA: 12 [12 - **12**] - 16 February 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 18 February 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 22 February 1963: Mission Biologique au Gabon, La: ZMA: 3 [3 - **3**] - 1 March 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 20 April 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 1 June 1963: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 20 June 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 25 June 1963: Mission Biologique au Gabon, La: ZMA: 6 [6 - **6**] - 1 July 1963: Mission Biologique au Gabon, La: ZMA: 3 [3 - **3**] - 22 July 1963: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 August 1963: Brosset, André: ZMA: 1 [1]; Mission Biologique au Gabon, La: ZMA: 2 [2 - **3**] - 19 December 1963: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 22 December 1963: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 1 January 1964: Mission Biologique au Gabon, La: ZMA: 7 [7 - **7**] - 7 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 9 [9 - **9**] - 12 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 25 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 3 [3 - **3**] - 26 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 27 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **2**] - 28 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 29 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 31 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 1 February 1964: ?: Collector Unknown: MNHN: 3 [3]; Mission Biologique au Gabon, La: ZMA: 4 [4]; Van Bree, Peter Johannes Hendrikus: ZMA: 3 [3 - **10**] - 3 February 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 4 February 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 10 February 1964: Brosset, André: ZMA: 1 [1 - **1**] - 11 February 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **2**] - 12 February 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 14 February 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 18 February 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 20 February 1964: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 22 February 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **2**] - 1 March 1964: ?: Collector Unknown: MNHN: 2 [2]; : ZMA: 1 [1]; Mission Biologique au Gabon, La: ZMA: 2 [2 - **5**] - 10 April 1964: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 21 April 1964: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2**] - 13 October 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 27 October 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **2**] - 1 February 1965: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 18 February 1965: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 17 August 1965: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 1 June 1970: Emmons, Louise H.: CUMV: 2 [2 - **2** - **241**].
Bélinga, confer: 20 February 1963: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Bélinga, near: 1 February 1963: Dragesco, Jean: ZMA: 3 [3 - **3**] - 1 July 1963: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 1 January 1964: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2** - **7**].
Bengoue: 28 March 1964: : ZMA: 1 [1 - **1** - **1**].
Bengoué: Collection Date Unknown: ?: Collector Unknown: MNHN: 13 [13 - **13**] - 1 January 1931: Brosset, André: MHNG: 1 [1 - **1**] - 1 March 1964: Brosset, André: ZMA: 2 [2 - **2**] - 15 December 1965: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2** - **18**].
Booué: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4]; : BMNH: 2 [2]; Maclatchy, Alain; Malbrant, René: MNHN: 1 [1 - **7**] - 22 June 1988: Van Neer, Wim: RMCA: 1 [1 - **1** - **8**].
Cap Esterias: 28 January 1951: Beatty, Harry A.: FMNH: 1 [1 - **1**] - 18 October 1982: Schlitter, Duane Albert: CM: 1 [1 - **1** - **2**].
Cape Lopez: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2]; Buchholz: ZMB: 1 [1 - **3**] - 13 March 1919: Aschemeier, Charles R.: USNM: 89 [89 - **89** - **92**].
Cette Cama: Collection Date Unknown: Gerard, E.; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].
CNRS Lek: Collection Date Unknown: Bradbury, Jack W.: CUMV: 1 [1 - **1**] - 14 July 1972: Bradbury, Jack W.: CUMV: 1 [1 - **1**] - 22 July 1972: Bradbury, Jack W.: CUMV: 1 [1 - **1**] - 29 July 1972: Bradbury, Jack W.: CUMV: 2 [2 - **2**] - 1 August 1972: Bradbury, Jack W.: CUMV: 3 [3 - **3** - **8**].
Como River: Collection Date Unknown: ?: Collector Unknown: MNHN: 3, ROM: 1 [4]; Bates, George Latimer: BMNH: 1 [1 - **5**] - 3 June 1897: Bates, George Latimer: BMNH: 1, ROM: 1 [2 - **2**] - 6 July 1897: ?: Collector Unknown: BMNH: 1 [1 - **1** - **8**].
Dongila [=Donguila]: Collection Date Unknown: Buchholz: ZMB: 2 [2 - **2** - **2**].
Edzameyen: 15 August 1971: Bradbury, Jack W.: CUMV: 2 [2 - **2** - **2**].
Estuaire Province: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].
Fernan Vaz: Collection Date Unknown: : FMNH: 1 [1 - **1**] - 25 October 1917: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **2**].

Franceville: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; Schwäbish; Thollon, R.: MNHN: 2 [2 - **4**] - 18 June 1973: Castroviejo, Javier: EBD: 7 [7 - **7** - **11**].
Franceville, mission: 9 June 1973: Castroviejo, Javier: EBD: 5 [5 - **5** - **5**].
Franceville, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Grotte de Faucon: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 24 February 1963: Brosset, André: ZMA: 1 [1]; Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **3**] - 7 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 9 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 47 [47 - **47**] - 28 August 1981: ?: Collector Unknown: MNHN: 1 [1 - **1** - **56**].
Grottes de Massa: 1 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 7 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 15 [15 - **15**] - 12 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 15 February 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 20 February 1964: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2**] - 1 March 1964: ?: Collector Unknown: MNHN: 1 [1 - **1** - **21**].
Ipassa: 1 July 1971: Bradbury, Jack W.: CUMV: 1 [1 - **1**] - 8 November 1972: Bradbury, Jack W.: CUMV: 1 [1 - **1**] - 15 November 1972: Bradbury, Jack W.: CUMV: 1 [1 - **1** - **3**].
Ipassa-Mpassa station: 1 June 1972: Brosset, André: MNHN: 1 [1 - **1** - **1**].
Ivindo National Park: Collection Date Unknown: ?: Collector Unknown: MNHN: 15 [15 - **15** - **15**].
Kango: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Maclatchy, Alain; Malbrant, René: AMNH: 8, MNHN: 4 [12 - **13** - **13**].
La Mouila: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Lac Zedee: 2 December 1875: Marche, Alfred A.: MNHN: 1 [1 - **1** - **1**].
Lambarene: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; : BMNH: 1 [1]; Buchholz: ZMB: 1 [1 - **3**] - 15 November 1964: Thys Van den Audenaerde, Dirk: RMCA: 2 [2 - **2** - **5**].
Lambaréné: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Lastoursville: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 25 April 1945: Maclatchy, Alain; Malbrant, René: MNHN: 1 [1 - **1** - **4**].
Lastourville: 1 May 1957: Rougeot, P.: MHNG: 1 [1 - **1** - **1**].
Libreville, 20 km from: 25 June 1973: Castroviejo, Javier: EBD: 1 [1 - **1**] - 26 June 1973: Castroviejo, Javier: EBD: 3 [3 - **3** - **4**].
Loa-loa: 25 November 1965: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2** - **2**].
Makob: Collection Date Unknown: Bradbury, Jack W.: CUMV: 1 [1 - **1**] - 3 August 1971: Bradbury, Jack W.: CUMV: 3 [3 - **3**] - 9 August 1972: Bradbury, Jack W.: CUMV: 10 [10 - **10** - **14**].
Makokou: Collection Date Unknown: ?: Collector Unknown: MNHN: 29 [29]; : ZMA: 1 [1]; Chabaud, Alain Gabriel: MNHN: 1 [1]; Mission Biologique au Gabon, La: ZMA: 1 [1 - **32**] - 1 January 1931: Brosset, André: MHNG: 1 [1 - **1**] - 17 June 1952: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 18 January 1962: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 12 February 1962: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 26 April 1962: Mission Biologique au Gabon, La: ZMA: 4 [4 - **4**] - 23 July 1963: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 25 July 1963: Mission Biologique au Gabon, La: ZMA: 3 [3 - **3**] - 1 December 1963: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2**] - 5 December 1963: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 7 December 1963: Van Bree, Peter Johannes Hendrikus: ZMA: 5 [5 - **5**] - 12 December 1963: ?: Collector Unknown: MNHN: 2 [2]; Mission Biologique au Gabon, La: ZMA: 1 [1 - **3**] - 15 December 1963: ?: Collector Unknown: MNHN: 1 [1]; Van Bree, Peter Johannes Hendrikus: ZMA: 10 [10 - **11**] - 22 December 1963: Van Bree, Peter Johannes Hendrikus: ZMA: 4 [4 - **4**] - 23 December 1963: Van Bree, Peter Johannes Hendrikus: ZMA: 7 [7 - **7**] - 24 December 1963: Van Bree, Peter Johannes Hendrikus: ZMA: 3 [3 - **3**] - 1 January 1964: Brosset, André: MNHN: 1 [1 - **1**] - 2 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 7 [7 - **7**] - 5 January 1964: Van Bree, Peter Johannes Hendrikus: ZMA: 1 [1 - **1**] - 7 February 1964: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2**] - 12 February 1964: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 14 February 1964: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 25 February 1964: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2**] - 1 October 1965: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 15 November 1965: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 2 December 1965: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 5 December 1965: ?: Collector Unknown: MNHN: 1 [1]; Mission Biologique au Gabon, La: ZMA: 1 [1 - **2**] - 10 December 1965: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 15 December 1965: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1**] - 10 December 1967: Brosset, André: MNHN: 1 [1 - **1**] - 22 June 1970: Bradbury, Jack W.: CUMV: 1 [1 - **1**] - 1 July 1970: Bradbury, Jack W.: CUMV: 3 [3]; Emmons, Louise H.: CUMV: 4 [4 - **7**] - 6 July 1970: Bradbury, Jack W.: AMNH: 1 [1 - **1**] - 1 July 1971: Bradbury, Jack W.: CUMV: 2 [2 - **2** - **114**].
Makokou and Bélinga, between: 1 January 1964: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **1**].
Makokou, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 15 May 1905: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 1 January 1960: Saint-Girons, Marie-Charlotte: ZMA: 1 [1 - **1**] - 1 January 1962: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **8**].
Malimba: Collection Date Unknown: : SMNS: 1 [1 - **1** - **1**].
M'Bari site: 24 February 2002: Porter, Calvin A.: USNM: 1 [1 - **1**] - 25 February 2002: Hoffmann, Federico G.: USNM: 1 [1]; Porter, Calvin A.: USNM: 1 [1 - **2**] - 10 March 2002: Hoffmann, Federico G.: USNM: 2 [2 - **2**] - 12 March 2002: Hoffmann, Federico G.: USNM: 3 [3 - **3**] - 14 March 2002: Porter, Calvin A.: USNM: 1 [1 - **1** - **9**].
Mekouba: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Mitzic: Collection Date Unknown: : BMNH: 4 [4 - **4**] - 8 July 1913: Davies, J.H.: BMNH: 1 [1 - **1** - **5**].
Mouila: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7**] - 1 June 1947: Rougeot, P.: MNHN: 1 [1 - **1**] - 8 July 1948: Maclatchy, Alain: MNHN: 1 [1 - **1**] - 20 May 1951: Beatty, Harry A.: FMNH: 1 [1 - **1**] - 26 September 1951: Beatty, Harry A.: FMNH: 2 [2 - **2**] - 29 September 1951: Beatty, Harry A.: FMNH: 3 [3 - **3** - **15**].
Moukalaba Reserve: 25 February 2000: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 26 February 2000: Goodman, Steven M.: FMNH: 4 [4 - **4**] - 27 February 2000: Goodman, Steven M.: FMNH: 4 [4 - **4**] - 28 February 2000: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 1 March 2000: Goodman, Steven M.: FMNH: 2 [2 - **2** - **13**].
Mount Doudou fauna exploitation area: 7 March 2000: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 8 March 2000: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 10 March 2000: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 15 March 2000: Goodman, Steven M.: FMNH: 4 [4 - **4**] - 18 March 2000: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 19 March 2000: Goodman, Steven M.: FMNH: 2 [2 - **2** - **10**].
Mount Tandou: 3 June 1951: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].
Mperi: 16 December 1917: Aschemeier, Charles R.: USNM: 2 [2 - **2** - **2**].
Mvadi, near: 14 July 1970: Bradbury, Jack W.: AMNH: 2 [2 - **2** - **2**].
N'dende: 5 August 1952: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].

N'Dumbu cave: 4 August 1957: Strinati, Pierre; Aellen, Villy: MHNG: 1 [1 - **1** - **1**].
NE Gabon: 1 December 1962: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Nehali: Collection Date Unknown: Ansorge, William John: BMNH: 1 [1 - **1** - **1**].
Ngomo: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
N'gomo-Ogooué: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 14 October 1906: Haug: MNHN: 1 [1 - **2**].
Ntyonga: 8 February 1918: Aschemeier, Charles R.: USNM: 1 [1 - **1**] - 25 March 1918: Aschemeier, Charles R.: USNM: 1 [1 - **2**].
Nwadi: 1 July 1963: Mission Biologique au Gabon, La: ZMA: 2 [2 - **2**] - 1 August 1963: Mission Biologique au Gabon, La: ZMA: 1 [1 - **1** - **3**].
Ogewa: Collection Date Unknown: Ansorge, William John: ZMB: 2 [2 - **2** - **2**].
Ogoou, near: 1 January 1912: : AMNH: 2 [2 - **2** - **2**].
Ogooué, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Ogooue-Maritime province: 12 May 1951: Beatty, Harry A.: FMNH: 1 [1 - **1**] - 1 January 2002: Hoffmann, Federico G.: USNM: 8 [8 - **8** - **9**].
Ogoue: Collection Date Unknown: Marche, Alfred A.: MNHN: 1 [1 - **1** - **1**].
Ogowe: 22 February 1892: Schmidt, A.: ZMH: 1 [1 - **1**] - 1 January 1912: Ford, E.A.: AMNH: 1 [1 - **1** - **2**].
Omboue: Collection Date Unknown: Aschemeier, Charles R.: USNM: 15 [15 - **15**] - 19 June 1917: Aschemeier, Charles R.: USNM: 1 [1 - **1**] - 20 June 1917: Aschemeier, Charles R.: USNM: 1 [1 - **1**] - 5 July 1917: Aschemeier, Charles R.: USNM: 1 [1 - **1**] - 6 August 1917: Aschemeier, Charles R.: USNM: 12 [12 - **12**] - 7 August 1917: Aschemeier, Charles R.: USNM: 1 [1 - **1**] - 16 August 1917: Aschemeier, Charles R.: USNM: 1 [1 - **1**] - 10 October 1917: Aschemeier, Charles R.: USNM: 4 [4 - **4**] - 11 October 1917: Aschemeier, Charles R.: USNM: 4 [4 - **4**] - 12 October 1917: Aschemeier, Charles R.: USNM: 10 [10 - **10** - **50**].
Ossengue Camp site: 1 January 2002: Porter, Calvin A.: USNM: 1 [1 - **1**] - 20 February 2002: Porter, Calvin A.: USNM: 3 [3 - **3**] - 22 February 2002: Porter, Calvin A.: USNM: 3 [3 - **3**] - 23 February 2002: Hoffmann, Federico G.: USNM: 4 [4 - **4**] - 4 March 2002: Hoffmann, Federico G.: USNM: 2 [2 - **2**] - 11 March 2002: Porter, Calvin A.: USNM: 4 [4 - **4**] - 13 March 2002: Hoffmann, Federico G.: USNM: 1 [1 - **1**] - 14 March 2002: Porter, Calvin A.: USNM: 1 [1 - **1**] - 1 June 2002: Schmidt, Brian K.: USNM: 1 [1 - **1** - **20**].
Oyem: 1 January 1965: Mission Biologique au Gabon, La: ZMA: 7 [7 - **7** - **7**].
Port Gentile: 4 April 1951: Beatty, Harry A.: FMNH: 5 [5 - **5**] - 10 April 1951: Beatty, Harry A.: FMNH: 1 [1 - **1**] - 23 July 1951: Beatty, Harry A.: FMNH: 1 [1 - **1** - **7**].
Projet OIBT trail: 4 February 1998: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].] - 9 February 1998: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 10 February 1998: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 13 February 1998: Goodman, Steven M.: FMNH: 2 [2 - **2** - **5**].
Rabi 59 site: 6 March 2002: Porter, Calvin A.: USNM: 1 [1 - **1**] - 7 March 2002: Porter, Calvin A.: USNM: 3 [3 - **3**] - 8 March 2002: Hoffmann, Federico G.: USNM: 1 [1 - **1** - **5**].
Rabi Oil Field: 22 February 2002: Porter, Calvin A.: USNM: 3 [3 - **3**] - 27 February 2002: Porter, Calvin A.: USNM: 1 [1 - **1**] - 2 March 2002: Porter, Calvin A.: USNM: 1 [1 - **1** - **5**].
Rabi Oil Field, 3 km N airport terminal: 25 February 2002: Porter, Calvin A.: USNM: 1 [1 - **1**] - 26 February 2002: Hoffmann, Federico G.: USNM: 2 [2]; Porter, Calvin A.: USNM: 5 [5 - **7**] - 27 February 2002: Porter, Calvin A.: USNM: 1 [1 - **1** - **9**].
Rabi Oil Field, 6 km N airport terminal: 27 February 2002: Porter, Calvin A.: USNM: 1 [1 - **1**] - 10 March 2002: Porter, Calvin A.: USNM: 3 [3 - **3** - **4**].
Rembo Kotou: 16 November 1917: Aschemeier, Charles R.: USNM: 1 [1 - **1** - **1**].
Samkitta: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Sette Cama: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ssibange [Sibange] farm: 21 January 1885: Soyaux, H.: ZMB: 1 [1 - **1** - **1**].
Tchibanga: 15 April 1952: Beatty, Harry A.: FMNH: 1 [1 - **1** - **1**].
Toucan Site: 2 March 2002: Porter, Calvin A.: USNM: 2 [2 - **2**] - 4 March 2002: Hoffmann, Federico G.: USNM: 1 [1]; Porter, Calvin A.: USNM: 3 [3 - **4**] - 10 June 2002: O'Brien, Carrie J.: USNM: 1 [1 - **1** - **7**].

Total Specimens for Gabon: 984

Ghana

Unknown locality: Collection Date Unknown: BMNH: 281, CUMV: 1, SMF: 11 [293]; Boakye, A.K.: ROM: 1 [1]; Booth, Angus H.: BMNH: 2 [2]; Dobson, George Edward: USNM: 1 [1]; MacKilligan, Arthur M.: BMNH: 1 [1]; Mensah, P.E.: ROM: 35 [35]; Nagtglas, C.J.M.: RMNH: 2 [2]; Pel, H.S.: RMNH: 5 [5]; Ralph, Clement John: MVZ: 1, ROM: 2 [3 - **343**] - 5 May 1966: Lawler, R.S.: ROM: 1 [1 - **1**] - 13 January 1969: Mensah, P.E.: ROM: 1 [1 - **1**] - 3 September 1969: Taylor, I.: WAM: 1 [1 - **1**] - 1 May 1971: Roodenburg, W.F.: RMNH: 1 [1 - **1**] - 10 November 1971: Roodenburg, W.F.: RMNH: 1 [1 - **1**] - 1 January 1973: Boakye, A.K.: ROM: 2 [2 - **2**] - 5 July 1973: Roodenburg, W.F.: RMNH: 1 [1 - **1** - **351**].
0609N 0045W: 14 August 1965: Ralph, Clement John: CAS: 1 [1 - **1** - **1**].
Abetifi: 2 November 1964: Sibley, Charles Gald: CUMV: 1 [1 - **1** - **1**].
Abodomasi: 8 August 1968: Mensah, P.E.: ROM: 2 [2 - **2** - **2**].
Abokobi: Collection Date Unknown: Reichenow, Anton: ZMB: 3 [3 - **3** - **3**].
Aburi: Collection Date Unknown: : BMNH: 3 [3 - **3**] - 8 October 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 17 March 1973: Topál, György: HNHM: 9 [9 - **9** - **13**].
Aburi Botanic Garden: 17 March 1973: Topál, György: HNHM: 1 [1 - **1** - **1**].
Aburi Hills: 31 July 1967: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].
Accra: Collection Date Unknown: Irvine, F.R.: BMNH: 1 [1]; Reichenow, Anton: ZMB: 5 [5]; Schneider: ZMB: 3 [3]; Unger: ZMB: 6 [6 - **15**] - 15 September 1944: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 1 August 1969: Taylor, I.: WAM: 2 [2 - **2**] - 11 December 1969: Laviolette, S.: ROM: 1 [1 - **1**] - 5 January 1970: Laviolette, S.: ROM: 1 [1 - **1** - **20**].
Accra, 9 mi [=14.5 km] NE: 17 September 1971: Gruwell, J.A.: CM: 1 [1]; Robbins, Lynn W.: AMNH: 6 [6]; Schlitter, Duane Albert: CM: 4 [4 - **11** - **11**].
Accra-Kade Road: Collection Date Unknown: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].

Achimota: Collection Date Unknown: : BMNH: 1 [1]; Simpson, R.: BMNH: 1 [1 - **2**] - 17 October 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 18 October 1967: Geest, Julius C.: USNM: 4 [4]; LeDuc, James W.: USNM: 4 [4]; Robbins, C. Brian: USNM: 5 [5 - **13**] - 23 October 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 26 October 1967: Setzer, Henry W.: USNM: 2 [2 - **2**] - 3 November 1967: LeDuc, James W.: USNM: 8 [8 - **8**] - 13 November 1967: Geest, Julius C.: USNM: 2 [2 - **2**] - 14 November 1967: Setzer, Henry W.: USNM: 3 [3 - **3**] - 16 November 1967: LeDuc, James W.: USNM: 1 [1 - **1**] - 25 November 1967: Geest, Julius C.: USNM: 2 [2 - **2**] - 4 December 1967: LeDuc, James W.: USNM: 6 [6 - **6**] - 5 December 1967: ?: Collector Unknown: ROM: 1 [1]; LeDuc, James W.: USNM: 1 [1 - **2**] - 1 January 1968: Fischer, H.: MVZ: 1 [1 - **1**] - 17 October 1968: Vaden, R.E.: USNM: 1 [1 - **1**] - 12 July 1969: ?: Collector Unknown: ROM: 1 [1 - **1**] - 30 November 1969: Laviolette, S.: ROM: 7 [7 - **7**] - 5 December 1969: ?: Collector Unknown: ROM: 1 [1]; Laviolette, S.: ROM: 17 [17 - **18**] - 6 December 1969: Laviolette, S.: ROM: 3 [3 - **3**] - 7 December 1969: Laviolette, S.: ROM: 9 [9 - **9**] - 17 December 1969: Laviolette, S.: ROM: 1 [1 - **1**] - 5 January 1970: ?: Collector Unknown: ROM: 1 [1 - **1**] - 6 January 1970: ?: Collector Unknown: ROM: 3 [3 - **3** - **88**].
Achimota College: 11 August 1973: Maness, S.J.: FMNH: 6 [6 - **6** - **6**].
Achimota Forest Reserve: 28 July 1967: Hayward, Bruce Joliffe: USNM: 9 [9 - **9**] - 30 July 1967: Hayward, Bruce Joliffe: USNM: 7 [7 - **7** - **16**].
Achwerase: 17 March 1973: Topál, György: HNHM: 2 [2 - **2** - **2**].
Adamso: 9 August 1969: McIntyre, T.J.: USNM: 4 [4]; Murdoch, W.P.: USNM: 3 [3 - **7** - **7**].
Adanka Village, near: 26 November 1999: Kilpatrick, C. William: USNM: 2 [2 - **2** - **2**].
Adawaso: 10 December 1967: Setzer, Henry W.: USNM: 14 [14 - **14** - **14**].
Adawaso, 1 mi E: 10 December 1967: Setzer, Henry W.: USNM: 2 [2 - **2** - **2**].
Adawaso, 1.9 mi NW: 10 December 1967: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].
Adawaso, 4.7 mi E: 10 December 1967: LeDuc, James W.: USNM: 4 [4 - **4** - **4**].
Adawaso, 5.7 mi E: 10 December 1967: LeDuc, James W.: USNM: 2 [2 - **2** - **2**].
Afegame, 3 mi [=4.8 km]E: 15 April 1971: Roodenburg, W.F.: RMNH: 1 [1 - **1** - **1**].
Afloa, 105 km W: 6 June 1966: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].
Afloa, 72 km W: 6 June 1966: Lawler, R.S.: ROM: 5 [5 - **5** - **5**].
Agogo: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].
Agogo, 1 mi W: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Aguapim: Collection Date Unknown: Reichenow, Anton: ZMB: 1 [1 - **1** - **1**].
Ahiriso: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 25 January 1968: Geest, Julius C.: USNM: 66 [66 - **66**] - 26 January 1968: Geest, Julius C.: USNM: 20 [20 - **20**] - 27 January 1968: Geest, Julius C.: USNM: 22 [22 - **22**] - 28 January 1968: Geest, Julius C.: USNM: 2 [2 - **2**] - 29 January 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 30 January 1968: Geest, Julius C.: USNM: 7 [7 - **7** - **119**].
Aiyikuma: 11 November 1967: Geest, Julius C.: USNM: 35 [35]; Setzer, Henry W.: USNM: 34 [34 - **69** - **69**].
Ajemera: 25 December 1969: Laviolette, S.: ROM: 1 [1 - **1** - **1**].
Akeniem: Collection Date Unknown: Booth, Angus H.: BMNH: 3 [3 - **3**] - 15 April 1954: Booth, Angus H.: BMNH: 1 [1 - **1**] - 19 July 1954: Booth, Angus H.: RMCA: 1 [1 - **1** - **5**].
Akim Oda, near: 1 January 1970: Mensah, P.E.: AMNH: 5 [5 - **5** - **5**].
Akoso Mbo: Collection Date Unknown: : BMNH: 3 [3 - **3** - **3**].
Akosombo: 30 November 1967: Geest, Julius C.: USNM: 11 [11]; Robbins, C. Brian: USNM: 11 [11]; Setzer, Henry W.: USNM: 10 [10 - **32** - **32**].
Akrokyere: 18 October 1973: Boakye, A.K.: ROM: 11 [11 - **11** - **11**].
Akropong: 23 October 1973: Boakye, A.K.: ROM: 13 [13 - **13** - **13**].
Akwamufe: 2 December 1967: Setzer, Henry W.: USNM: 4 [4 - **4** - **4**].
Akwamufe, 1 mi N: 2 December 1967: LeDuc, James W.: USNM: 6 [6]; Setzer, Henry W.: USNM: 4 [4 - **10** - **10**].
Akwanu, 5 mi W: 2 December 1967: Geest, Julius C.: USNM: 23 [23 - **23** - **23**].
Amedzofe: 30 August 1967: Hayward, Bruce Joliffe: USNM: 6 [6 - **6** - **6**].
Anamabu Castle: 25 November 1945: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 18 December 1945: Cansdale, George Soper: FMNH: 1 [1 - **1** - **2**].
Anima Krom: 26 August 1967: Hayward, Bruce Joliffe: USNM: 10 [10 - **10** - **10**].
Ankasi: 22 December 1968: Mensah, P.E.: ROM: 12 [12 - **12** - **12**].
Anomabu: 25 November 1945: Cansdale, George Soper: FMNH: 1 [1 - **1** - **1**].
Anum: 29 August 1967: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **5**].
Anum, 4 mi S: 29 August 1967: Hayward, Bruce Joliffe: USNM: 7 [7 - **7** - **7**].
Apesokubi: 26 August 2001: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Apesokubi, 4.5 km N: Collection Date Unknown: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Archimota: Collection Date Unknown: Fischer, H.: MVZ: 3 [3 - **3** - **3**].
Asenparage garden: 1 February 1972: Jeffrey, Sonia M.: RMCA: 2 [2 - **2**] - 31 October 1972: Jeffrey, Sonia M.: RMCA: 1 [1 - **1**] - 10 November 1972: Jeffrey, Sonia M.: RMCA: 1 [1 - **1** - **4**].
Ash Mampong: Collection Date Unknown: Mensah, P.E.: ROM: 3 [3 - **3** - **3**].
Asikuma, 1 mi N: 2 December 1967: Setzer, Henry W.: USNM: 4 [4 - **4** - **4**].
Avetile: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].
Axim: Collection Date Unknown: Laviolette, S.: ROM: 7 [7 - **7**] - 25 August 1967: Hayward, Bruce Joliffe: USNM: 18 [18 - **18** - **25**].
Babiana: Collection Date Unknown: Mensah, P.E.: ROM: 4 [4 - **4** - **4**].
Bame: 29 August 1967: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **5**].
Banda: Collection Date Unknown: : BMNH: 3 [3 - **3** - **3**].
Bangweli Camp: 30 July 1974: McWilliam, A.N.; Marshall, A.G.: BMNH: 1 [1 - **1** - **1**].
Bangwon: 5 March 1968: Geest, Julius C.: USNM: 4 [4 - **4**] - 9 March 1968: Geest, Julius C.: USNM: 36 [36 - **36**] - 11 March 1968: Geest, Julius C.: USNM: 16 [16 - **16**] - 13 March 1968: Geest, Julius C.: USNM: 2 [2 - **2** - **58**].
Bator: 16 July 1967: Geest, Julius C.: USNM: 64 [64]; Hayward, Bruce Joliffe: USNM: 60 [60 - **124** - **124**].
Bechem: Collection Date Unknown: Mensah, P.E.: ROM: 3 [3 - **3**] - 1 October 1969: Mensah, P.E.: ROM: 4 [4 - **4** - **7**].
Begoro: Collection Date Unknown: Mohr, Richard: SMNS: 1 [1 - **1** - **1**].
Bekwai Ash: 5 January 1969: Mensah, P.E.: ROM: 6 [6 - **6** - **6**].
Berekuso: 16 October 1967: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].

Berekuso, 1 mi N: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 9 October 1967: Geest, Julius C.: USNM: 3 [3]; LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 2 [2 - **7**] - 11 October 1967: LeDuc, James W.: USNM: 1 [1 - **1**] - 16 October 1967: Geest, Julius C.: USNM: 1 [1]; LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 2 [2 - **5**] - 5 November 1967: Geest, Julius C.: USNM: 10 [10]; Setzer, Henry W.: USNM: 10 [10 - **20** - **34**].
Bia: 19 January 2001: Bankovics, A.: HNHM: 1 [1 - **1** - **1**].
Bibianaha: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3]; : BMNH: 1 [1]; Spurrell, H.G.F.: BMNH: 2 [2 - **6**] - 7 December 1910: Spurrell, H.G.F.: BMNH: 1 [1 - **1**] - 8 December 1910: Spurrell, H.G.F.: BMNH: 1 [1 - **1**] - 24 April 1912: Spurrell, H.G.F.: BMNH: 1 [1 - **1** - **9**].
Bibiani: Collection Date Unknown: : BMNH: 1 [1 - **1**] - 28 June 1969: Mensah, P.E.: ROM: 2 [2 - **2** - **3**].
Bibiani Mines: Collection Date Unknown: Mensah, P.E.: ROM: 9 [9 - **9** - **9**].
Bimbila: 20 December 1900: Mischlich: ZMB: 1 [1 - **1** - **1**].
Bimbilla, 15 mi [=24 km] S: 3 September 1971: Robbins, Lynn W.: AMNH: 21 [21 - **21**] - 4 September 1971: Robbins, Lynn W.: AMNH: 4 [4 - **4**] - 6 September 1971: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **27**].
Bimpong Forest Reserve: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Bogoso: Collection Date Unknown: Mensah, P.E.: ROM: 4 [4 - **4** - **4**].
Bogoso Mines: Collection Date Unknown: Mensah, P.E.: ROM: 3 [3 - **3** - **3**].
Boi-Tano FR, cocoa plantation adjacent to forest edge: Collection Date Unknown: ?: Collector Unknown: ZFMK: 5 [5 - **5** - **5**].
Boi-Tano FR, reserve boundary line: Collection Date Unknown: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
Boti Falls: Collection Date Unknown: Laviolette, S.: ROM: 3 [3 - **3**] - 10 December 1969: Laviolette, S.: ROM: 7 [7 - **7**] - 11 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 7 [7 - **7**] - 12 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2**] - 13 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2**] - 14 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 5 [5 - **5** - **26**].
Boutry River: Collection Date Unknown: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].
Bungueli, near: 30 July 1974: McWilliam, A.N.: AMNH: 9 [9 - **9** - **9**].
Bunso: Collection Date Unknown: Neugebauer, P.: NMW: 1 [1 - **1**] - 5 May 1973: Neugebauer, P.: NMW: 1 [1 - **1** - **2**].
Busunu: Collection Date Unknown: Mensah, P.E.: ROM: 6 [6 - **6**] - 28 August 1968: Mensah, P.E.: ROM: 1 [1 - **1** - **7**].
Butre: Collection Date Unknown: ?: Collector Unknown: USNM: 4 [4 - **4**] - 16 January 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 17 January 1968: Geest, Julius C.: USNM: 48 [48 - **48**] - 18 January 1968: Geest, Julius C.: USNM: 36 [36 - **36**] - 19 January 1968: Geest, Julius C.: USNM: 21 [21 - **21**] - 20 January 1968: Geest, Julius C.: USNM: 17 [17 - **17**] - 21 January 1968: Geest, Julius C.: USNM: 24 [24 - **24**] - 22 January 1968: Geest, Julius C.: USNM: 10 [10 - **10** - **161**].
Cape Coast: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Cape Coast Castle: 19 August 1967: Hayward, Bruce Joliffe: USNM: 1 [1]; Haywood, B.: USNM: 1 [1 - **2**] - 1 April 1973: Topál, György: HNHM: 1 [1 - **1** - **3**].
Côte d'Or: 1 January 1860: Nagtglas, C.J.M.: RMNH: 2 [2 - **2** - **2**].
Dadoya, 7 mi W: Collection Date Unknown: : BMNH: 3 [3 - **3** - **3**].
Damango Scarps: Collection Date Unknown: Mensah, P.E.: ROM: 6 [6 - **6** - **6**].
Damango, near: Collection Date Unknown: Fenton, Melville Brock; Taylor, M.E.: ROM: 1 [1 - **1**] - 6 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 4 [4 - **4**] - 7 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 4 [4 - **4**] - 8 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 4 [4 - **4**] - 9 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2** - **15**].
Damongo: Collection Date Unknown: Start, Anthony N.: BMNH: 1 [1 - **1**] - 17 August 1969: McIntyre, T.J.: USNM: 6 [6]; Murdoch, W.P.: USNM: 5 [5 - **11** - **12**].
Damongo, 1 mi [=1.6 km] NE: 3 September 1968: Cheke, R.A.: BMNH: 5 [5 - **5** - **5**].
Denu: 31 August 1967: Hayward, Bruce Joliffe: USNM: 31 [31]; Kofi, A.: USNM: 61 [61 - **92** - **92**].
Dormaa Ahenkro: Collection Date Unknown: Sapwell, J.: BMNH: 3 [3 - **3** - **3**].
Doyum: Collection Date Unknown: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2**] - 14 November 1967: Geest, Julius C.: USNM: 22 [22]; LeDuc, James W.: USNM: 16 [16]; Setzer, Henry W.: USNM: 36 [36 - **74**] - 16 November 1967: Geest, Julius C.: USNM: 33 [33]; Robbins, C. Brian: USNM: 25 [25]; Setzer, Henry W.: USNM: 26 [26 - **84**] - 4 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2**] - 5 March 1971: Fenton, Melville Brock: ROM: 1 [1]; Fenton, Melville Brock; Taylor, M.E.: ROM: 14 [14 - **15**] - 10 March 1971: Fenton, Melville Brock: ROM: 6 [6]; Fenton, Melville Brock; Taylor, M.E.: ROM: 24 [24 - **30** - **207**].
Draw River Forest Reserve: Collection Date Unknown: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
Draw River FR: Collection Date Unknown: ?: Collector Unknown: ZFMK: 4 [4 - **4** - **4**].
Dunkwa: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Efeipo Krom: 10 July 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 15 July 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 14 July 1969: Geest, Julius C.: USNM: 1 [1 - **1** - **3**].
Elemina: Collection Date Unknown: Mensah, P.E.: ROM: 1 [1 - **1**] - 20 August 1967: Hayward, Bruce Joliffe: USNM: 19 [19]; Haywood, B.: USNM: 1 [1]; Kofi, A.: USNM: 43 [43 - **63**] - 20 January 1970: Mensah, P.E.: ROM: 1 [1 - **1**] - 30 January 1970: Mensah, P.E.: ROM: 1 [1 - **1** - **66**].
Elima and Cape Coast, between: 16 August 1971: Roodenburg, W.F.: RMNH: 1 [1 - **1** - **1**].
Elmina: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Forest Reserve Ksi, town 5 km from: 15 August 1968: Mensah, P.E.: ROM: 2 [2 - **2** - **2**].
Fort St. George: 30 March 1973: Topál, György: HNHM: 15 [15 - **15**] - 31 March 1973: Topál, György: HNHM: 2 [2 - **2**] - 1 April 1973: Topál, György: HNHM: 12 [12 - **12** - **29**].
Fra Fra Country: 27 January 1899: Giffard, W.: BMNH: 1 [1 - **1** - **1**].
Gambaga: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1 - **2**] - 20 August 1898: Giffard, W.: BMNH: 1 [1 - **1**] - 9 January 1899: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 8 May 1968: Geest, Julius C.: USNM: 3 [3 - **3**] - 9 May 1968: Geest, Julius C.: USNM: 5 [5 - **5**] - 10 May 1968: Geest, Julius C.: USNM: 4 [4 - **4**] - 11 May 1968: Geest, Julius C.: USNM: 8 [8 - **8**] - 12 May 1968: Geest, Julius C.: USNM: 5 [5 - **5**] - 13 May 1968: Geest, Julius C.: USNM: 7 [7 - **7**] - 14 May 1968: Geest, Julius C.: USNM: 11 [11 - **11** - **47**].
Gbele Resource Reserve: 22 October 2007: Bonaccorso, Elisa A.: KU: 2 [2 - **2** - **2**].
Goaso: 7 December 1934: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].
Gold Coast [=Goldküste]: Collection Date Unknown: ?: Collector Unknown: ZMB: 2 [2]; Bunting: BMNH: 1 [1]; Dobson, George Edward: USNM: 1 [1]; Finsch, Friedrich Hermann Otto: ZMB: 1 [1]; Freeman, R.A.: BMNH: 3 [3]; Pel, H.S.: ZMB: 1 [1]; Sintenis: ZMB: 4 [4 - **13**] - 1 January 1863: Nagtglas, C.J.M.: RMNH: 1 [1 - **1** - **14**].
Greate Accra Region: Collection Date Unknown: ?: Collector Unknown: CM: 3 [3 - **3** - **3**].

Gukstenar: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; : BMNH: 1 [1 - **3** - **3**].
Han, ca 25 mi SE: Collection Date Unknown: Fischer, R.V.: USNM: 4 [4 - **4** - **4**].
Ho: Collection Date Unknown: Mensah, P.E.: ROM: 6 [6 - **6**] - 17 June 1904: Schröder, F.: ZMB: 2 [2 - **2**] - 19 October 1971: Mensah, P.E.: ROM: 7 [7 - **7** - **15**].
Impriso: Collection Date Unknown: Mensah, P.E.: ROM: 18 [18 - **18** - **18**].
Javiefe: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Juaso: 3 December 1971: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Jukwa: Collection Date Unknown: : BMNH: 4 [4]; Hayward, Bruce Joliffe: USNM: 4 [4 - **8**] - 17 August 1967: Hayward, Bruce Joliffe: USNM: 45 [45 - **45**] - 18 August 1967: Hayward, Bruce Joliffe: USNM: 13 [13 - **13**] - 19 August 1967: Hayward, Bruce Joliffe: USNM: 13 [13 - **13**] - 20 August 1967: Hayward, Bruce Joliffe: USNM: 7 [7 - **7**] - 21 August 1967: Hayward, Bruce Joliffe: USNM: 24 [24 - **24** - **110**].
Kade Agricultural Research Station: Collection Date Unknown: Lawler, R.S.: ROM: 2 [2 - **2**] - 30 January 1966: Lawler, R.S.: ROM: 4 [4 - **4**] - 14 April 1966: Lawler, R.S.: ROM: 13 [13 - **13**] - 15 April 1966: Lawler, R.S.: ROM: 5 [5 - **5**] - 16 April 1966: Lawler, R.S.: ROM: 6 [6 - **6**] - 17 April 1966: Lawler, R.S.: ROM: 8 [8 - **8**] - 27 February 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 2 [2 - **2**] - 28 February 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 14 [14 - **14**] - 1 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 11 [11 - **11**] - 28 December 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 1 [1 - **1**] - 14 August 1973: Maness, S.J.: FMNH: 1 [1 - **1** - **67**].
Kade Agricultural Research Station, SE: 30 January 1966: Lawler, R.S.: ROM: 1 [1 - **1** - **1**].
Kade, 11 km NE: Collection Date Unknown: Ralph, Clement John: ROM: 1 [1 - **1**] - 1 August 1965: Ralph, Clement John: ROM: 4 [4 - **4**] - 2 August 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 3 August 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 4 August 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 8 August 1965: Ralph, Clement John: ROM: 5 [5 - **5**] - 9 August 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 10 August 1965: Ralph, Clement John: ROM: 5 [5 - **5**] - 12 August 1965: Ralph, Clement John: ROM: 7 [7 - **7**] - 13 August 1965: Ralph, Clement John: ROM: 3 [3 - **3**] - 14 August 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 15 August 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 16 August 1965: Ralph, Clement John: ROM: 4 [4 - **4**] - 4 September 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 5 September 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 8 September 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 10 September 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 15 September 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 16 September 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 17 September 1965: Ralph, Clement John: ROM: 4 [4 - **4**] - 18 September 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 19 September 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 20 September 1965: Ralph, Clement John: ROM: 12 [12 - **12**] - 21 September 1965: Ralph, Clement John: ROM: 4 [4 - **4**] - 23 September 1965: Ralph, Clement John: ROM: 5 [5 - **5**] - 26 September 1965: Ralph, Clement John: ROM: 3 [3 - **3**] - 27 September 1965: Ralph, Clement John: ROM: 5 [5 - **5**] - 28 September 1965: Ralph, Clement John: ROM: 3 [3 - **3**] - 29 September 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 30 September 1965: Ralph, Clement John: ROM: 6 [6 - **6**] - 15 October 1965: Ralph, Clement John: ROM: 4 [4 - **4**] - 19 October 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 21 October 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 23 October 1965: Ralph, Clement John: ROM: 3 [3 - **3** - **102**].
Kade, 6 mi [=9.7 km] N: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 29 March 1968: Geest, Julius C.: USNM: 29 [29 - **29** - **30**].
Kade, 6 mi [=9.7 km] NW: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2**] - 28 October 1967: Robbins, C. Brian: USNM: 1 [1 - **1**] - 29 October 1967: Setzer, Henry W.: USNM: 4 [4 - **4**] - 30 October 1967: Setzer, Henry W.: USNM: 6 [6 - **6**] - 31 October 1967: Setzer, Henry W.: USNM: 8 [8 - **8**] - 1 November 1967: Setzer, Henry W.: USNM: 12 [12 - **12**] - 2 November 1967: Setzer, Henry W.: USNM: 14 [14 - **14** - **47**].
Kade, 7 mi [=11.3 km] NE: Collection Date Unknown: Ralph, Clement John: ROM: 3 [3 - **3**] - 8 August 1965: Ralph, Clement John: MVZ: 3 [3 - **3**] - 9 September 1965: Ralph, Clement John: MVZ: 3 [3 - **3** - **9**].
Kadjebi [= Kajiebi]: Collection Date Unknown: Mensah, P.E.: ROM: 17 [17 - **17** - **17**].
Keta: 31 August 1967: Hayward, Bruce Joliffe: USNM: 11 [11 - **11** - **11**].
Kete: Collection Date Unknown: Baumann: ZMB: 2 [2 - **2**] - 1 January 1894: Baumann: ZMB: 1 [1 - **1** - **3**].
Kete Krachi: Collection Date Unknown: Baumann: ZMB: 1 [1]; Mischlich: ZMB: 1 [1]; Zech, Johann Nepomuk: ZMB: 6 [6 - **8**] - 20 June 1899: Zech, Johann Nepomuk: ZMB: 5 [5 - **5** - **13**].
Kintampo: Collection Date Unknown: Cansdale, George Soper: BMNH: 1 [1 - **1** - **1**].
Koforidua: 30 October 1969: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Kojali Bach: Collection Date Unknown: Tessmann: ZMB: 1 [1 - **1** - **1**].
Kokofu: 21 March 1968: Geest, Julius C.: USNM: 2 [2 - **2**] - 21 May 1968: Geest, Julius C.: USNM: 3 [3 - **3**] - 22 May 1968: Geest, Julius C.: USNM: 3 [3 - **3** - **8**].
Kongo mines: 10 October 1970: Mensah, P.E.: AMNH: 3 [3 - **3** - **3**].
Konkori, NE escarpment top: 13 July 1974: Marshall, A.G.: AMNH: 1 [1]; McWilliam, A.N.: AMNH: 2 [2 - **3** - **3**].
Konongo: Collection Date Unknown: Mensah, P.E.: ROM: 7 [7 - **7** - **7**].
Kpaudu: 11 May 1972: Hoogmoed, M.S.: RMNH: 1 [1 - **1**] - 2 January 1974: Roodenburg, W.F.: RMNH: 1 [1 - **1** - **2**].
Kpeve: 2 December 1967: Geest, Julius C.: USNM: 3 [3 - **3** - **3**].
Krobo mountain: 12 November 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 19 November 1967: Geest, Julius C.: USNM: 10 [10 - **10** - **11**].
Krokosua Hills Forest Reserve: Collection Date Unknown: ?: Collector Unknown: ZFMK: 8 [8 - **8**] - 3 November 2003: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - 4 November 2003: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - 11 November 2003: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - 16 May 2015: ?: Collector Unknown: NMP: 1 [1 - **1** - **12**].
Kumasi: Collection Date Unknown: ?: Collector Unknown: BMNH: 8 [8]; : BMNH: 9, NMBA: 1 [10]; Allison: BMNH: 2 [2]; Barry, D.H.: BMNH: 10 [10]; Mensah, P.E.: ROM: 3 [3 - **33**] - 15 May 1961: ?: Collector Unknown: BMNH: 1 [1]; Barry, D.H.: BMNH: 1 [1 - **2**] - 11 March 1964: Allison, F.R.: BMNH: 2 [2 - **2**] - 29 March 1965: Barry, D.H.: BMNH: 2 [2 - **2**] - 10 April 1965: Barry, D.H.: BMNH: 1 [1 - **1**] - 11 April 1965: Barry, D.H.: BMNH: 1 [1 - **1**] - 26 June 1965: Allison, F.R.; Barry, D.H.: BMNH: 1 [1 - **1**] - 2 July 1965: Barry, D.H.: BMNH: 1 [1 - **1**] - 13 July 1973: Boakye, A.K.: ROM: 1 [1 - **1**] - 20 July 1973: Boakye, A.K.: ROM: 1 [1 - **1**] - 26 July 1973: Boakye, A.K.: ROM: 1 [1 - **1**] - 29 July 1973: Boakye, A.K.: ROM: 1 [1 - **1**] - 31 July 1973: Boakye, A.K.: ROM: 1 [1 - **1** - **48**].
Kumasi Agricultural Station: 8 August 1968: Mensah, P.E.: ROM: 1 [1 - **1**] - 14 March 1969: Mensah, P.E.: ROM: 1 [1 - **1**] - 17 March 1969: Mensah, P.E.: ROM: 1 [1 - **1**] - 24 September 1970: Mensah, P.E.: AMNH: 4 [4 - **4**] - 10 September 1971: Mensah, P.E.: ROM: 1 [1 - **1**] - 10 November 1973: Boakye, A.K.: ROM: 1 [1 - **1** - **9**].
Kumasi area: Collection Date Unknown: Mensah, P.E.: ROM: 2 [2 - **2**] - 10 September 1971: Mensah, P.E.: ROM: 1 [1 - **1** - **3**].
Kumasi University: 1 November 1970: Mensah, P.E.: AMNH: 1 [1 - **1** - **1**].

Kumasi, 17 mi [=27 km] from: 13 January 1969: Mensah, P.E.: ROM: 1 [1 - **1**] - 16 January 1969: Mensah, P.E.: ROM: 2 [2 - **2** - **3**].
Kumasi, near: 10 October 1970: Mensah, P.E.: AMNH: 2 [2 - **2** - **2**].
Kumasi, UST Agricultural Farm: Collection Date Unknown: Mensah, P.E.: ROM: 6 [6 - **6** - **6**].
Kumasi-Dunkwa road: 28 October 1960: Barry, D.H.: BMNH: 1 [1 - **1** - **1**].
Kumawu: 10 September 1971: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Kusasi area: Collection Date Unknown: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Kuuni, 48 km: Collection Date Unknown: Mensah, P.E.: ROM: 15 [15 - **15** - **15**].
Kuuni, 48 mi [=77 km] from: Collection Date Unknown: Mensah, P.E.: ROM: 3 [3 - **3**] - 19 September 1969: Mensah, P.E.: ROM: 1 [1 - **1** - **4**].
Kwabenya: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 7 November 1971: Grubb, Peter: BMNH: 1 [1 - **1** - **2**].
Lake Bosumtivi Konlanasi: 1 January 1970: Mensah, P.E.: AMNH: 1 [1 - **1** - **1**].
Larabanga, near: 25 July 1974: McWilliam, A.N.: AMNH: 1 [1 - **1** - **1**].
Larteh Junction: 5 January 1970: Laviolette, S.: ROM: 21 [21 - **21**] - 6 January 1970: Laviolette, S.: ROM: 1 [1 - **1** - **22**].
Larteh, 3 km S: 5 January 1970: Laviolette, S.: ROM: 1 [1 - **1** - **1**].
Larteh, 5 km S: 3 January 1970: Laviolette, S.: ROM: 3 [3 - **3** - **3**].
Lawra: 8 March 1947: Cansdale, George Soper: MCZ: 1 [1 - **1**] - 10 March 1947: Cansdale, George Soper: MCZ: 1 [1 - **1**] - 26 April 1947: Cansdale, George Soper: MCZ: 1 [1 - **1** - **3**].
Legion Folly: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Legon: Collection Date Unknown: Geest, Julius C.: USNM: 13 [13]; Hayward, Bruce Joliffe: USNM: 8 [8]; Lawler, R.S.: ROM: 11 [11]; LeDuc, James W.: USNM: 4 [4]; Ralph, C.V.: ROM: 1 [1]; Robbins, C. Brian: USNM: 9 [9]; Schlitter, Duane Albert: CM: 7 [7]; Setzer, Henry W.: USNM: 15 [15 - **68**] - 7 July 1965: Ralph, Clement John: MVZ: 20 [20 - **20**] - 19 July 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 22 July 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 23 July 1965: Ralph, Clement John: ROM: 6 [6 - **6**] - 25 July 1965: Ralph, Clement John: ROM: 3 [3 - **3**] - 27 July 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 28 July 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 29 July 1965: Ralph, Clement John: ROM: 3 [3 - **3**] - 31 July 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 3 August 1965: Ralph, Clement John: ROM: 8 [8 - **8**] - 5 August 1965: Ralph, Clement John: ROM: 6 [6 - **6**] - 7 August 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 8 August 1965: Ralph, Clement John: MVZ: 14, ROM: 3 [17 - **17**] - 29 August 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 1 September 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 2 September 1965: Ralph, Clement John: ROM: 4 [4 - **4**] - 3 September 1965: Ralph, Clement John: ROM: 1 [1 - **1**] - 4 September 1965: Ralph, Clement John: ROM: 3, USNM: 1 [4 - **4**] - 6 September 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 9 September 1965: Ralph, Clement John: MVZ: 1 [1 - **1**] - 21 October 1965: Ralph, Clement John: ROM: 2 [2 - **2**] - 12 December 1965: Ralph, Clement John: MVZ: 23 [23 - **23**] - 25 April 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 7 May 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 8 May 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 9 May 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 12 May 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 7 January 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 19 July 1967: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - 22 July 1967: Hayward, Bruce Joliffe: USNM: 5 [5 - **5**] - 23 July 1967: Hayward, Bruce Joliffe: USNM: 5 [5 - **5**] - 24 July 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 25 July 1967: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 26 July 1967: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 27 July 1967: Geest, Julius C.: USNM: 3 [3]; Hayward, Bruce Joliffe: USNM: 10 [10 - **13**] - 28 July 1967: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - 1 August 1967: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 2 August 1967: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - 30 September 1967: LeDuc, James W.: USNM: 1 [1 - **1**] - 24 November 1967: LeDuc, James W.: USNM: 2 [2 - **2**] - 28 November 1967: Geest, Julius C.: USNM: 2 [2]; Robbins, C. Brian: USNM: 1 [1]; Setzer, Henry W.: USNM: 9 [9 - **12**] - 30 November 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 5 December 1967: Setzer, Henry W.: USNM: 2 [2 - **2**] - 6 December 1967: Setzer, Henry W.: USNM: 4 [4 - **4**] - 7 December 1967: Setzer, Henry W.: USNM: 5 [5 - **5**] - 8 December 1967: Setzer, Henry W.: USNM: 5 [5 - **5**] - 9 December 1967: Setzer, Henry W.: USNM: 3 [3 - **3**] - 13 September 1968: Robbins, Lynn W.: USNM: 1 [1 - **1**] - 23 September 1968: Robbins, Lynn W.: USNM: 5 [5]; Vaden, R.E.: USNM: 6 [6 - **11**] - 24 September 1968: Robbins, Lynn W.: USNM: 6 [6]; Vaden, R.E.: USNM: 7 [7 - **13**] - 25 September 1968: Robbins, Lynn W.: USNM: 2 [2]; Vaden, R.E.: USNM: 3 [3 - **5**] - 28 September 1968: Robbins, Lynn W.: USNM: 1 [1 - **1**] - 1 October 1968: Vaden, R.E.: USNM: 3 [3 - **3**] - 7 October 1968: Robbins, Lynn W.: USNM: 11 [11]; Vaden, R.E.: USNM: 7 [7 - **18**] - 8 September 1978: Schlitter, Duane Albert: CM: 1 [1 - **1** - **316**].
Legon University: 5 April 1966: Lawler, R.S.: ROM: 1 [1 - **1**] - 7 April 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 10 April 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 11 April 1966: Lawler, R.S.: ROM: 1 [1 - **1**] - 12 April 1966: Lawler, R.S.: ROM: 1 [1 - **1**] - 13 April 1966: Lawler, R.S.: ROM: 1 [1 - **1**] - 3 January 1969: Mensah, P.E.: ROM: 1 [1 - **1** - **9**].
Legon, 1 mi [=1.6 km] N: 28 August 1967: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **5**].
Legon, 1 mi N: 28 August 1967: Hayward, Bruce Joliffe: USNM: 3 [3 - **3** - **3**].
Leklebi Agbesia: 29 June 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 28 January 1968: Geest, Julius C.: USNM: 5 [5 - **5**] - 25 June 1968: Geest, Julius C.: USNM: 91 [91 - **91**] - 26 June 1968: Geest, Julius C.: USNM: 27 [27 - **27**] - 27 June 1968: Geest, Julius C.: USNM: 40 [40 - **40**] - 28 June 1968: Geest, Julius C.: USNM: 13 [13 - **13**] - 30 June 1968: Geest, Julius C.: USNM: 5 [5 - **5** - **182**].
Lovi Camp: 15 August 1968: Cheke, R.A.: BMNH: 1 [1 - **1** - **1**].
Magazine: 9 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 1 [1 - **1** - **1**].
Magazine, hill top near: 5 March 1971: Fenton, Melville Brock; Taylor, M.E.: ROM: 1 [1 - **1** - **1**].
Mampong: Collection Date Unknown: Mensah, P.E.: ROM: 14 [14 - **14**] - 7 January 1937: Webb, G.S.: BMNH: 1 [1 - **1**] - 31 August 1973: Boakye, A.K.: ROM: 1 [1 - **1**] - 18 October 1973: Boakye, A.K.: ROM: 6 [6 - **6** - **22**].
Mankesin: 29 July 1967: Geest, Julius C.: USNM: 1 [1 - **1** - **1**].
Mapon: Collection Date Unknown: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Masabia Hshubi: Collection Date Unknown: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Mole Game Reserve, River below headquarters: 10 July 1974: McWilliam, A.N.: AMNH: 3 [3 - **3**] - 11 July 1974: Marshall, A.G.: AMNH: 1 [1]; McWilliam, A.N.: AMNH: 1 [1 - **2**] - 12 July 1974: McWilliam, A.N.: AMNH: 2 [2 - **2** - **7**].
Mole Motel: 26 August 1969: Start, Anthony N.; Taylor, I.: BMNH: 4 [4 - **4**] - 1 September 1969: Start, Anthony N.; Taylor, I.: BMNH: 3 [3 - **3**] - 16 July 1974: McWilliam, A.N.: AMNH: 2 [2 - **2**] - 17 July 1974: Marshall, A.G.: AMNH: 1 [1 - **1** - **10**].
Mole Motel, 2nd dam below: 16 July 1974: Marshall, A.G.: AMNH: 1 [1 - **1** - **1**].
Mole National Park: Collection Date Unknown: ?: Collector Unknown: BMNH: 4 [4 - **4**] - 10 July 1974: McWilliam, A.N.; Marshall, A.G.: BMNH: 2 [2 - **2** - **6**].
Mole National Park HeadquarterS: 15 July 1974: McWilliam, A.N.: AMNH: 1 [1 - **1** - **1**].
MomPort: 13 January 1964: Mensah, P.E.: ROM: 1 [1 - **1**] - 15 January 1969: Mensah, P.E.: ROM: 1 [1 - **1** - **2**].

Mpasaatia: 25 October 1970: Mensah, P.E.: AMNH: 7 [7 - **7** - **7**].
Mpesetia: Collection Date Unknown: Mensah, P.E.: ROM: 24 [24 - **24** - **24**].
Mpisalia: Collection Date Unknown: Mensah, P.E.: ROM: 1 [1 - **1** - **1**].
Mpraeso: Collection Date Unknown: Mensah, P.E.: ROM: 2 [2 - **2**] - 30 October 1973: Boakye, A.K.: ROM: 13 [13 - **13** - **15**].
Nabogo: 14 April 1968: Geest, Julius C.: USNM: 8 [8 - **8**] - 15 April 1968: Geest, Julius C.: USNM: 6 [6 - **6**] - 16 April 1968: Geest, Julius C.: USNM: 2 [2 - **2**] - 21 April 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 23 April 1968: Geest, Julius C.: USNM: 3 [3 - **3** - **20**].
Nankasi: 10 December 1967: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].
New Edubiase: 2 November 1973: Boakye, A.K.: ROM: 15 [15 - **15**] - 10 November 1973: Boakye, A.K.: ROM: 12 [12 - **12** - **27**].
Nkaw Nkaw: Collection Date Unknown: Mensah, P.E.: ROM: 4 [4 - **4** - **4**].
Nkawkaw: Collection Date Unknown: : USNM: 6 [6]; Mensah, P.E.: ROM: 2 [2 - **8**] - 11 April 1967: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **9**].
Nkawkaw, 1 mi [=1.6 km] N: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 5 August 1965: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 5 August 1967: Hayward, Bruce Joliffe: USNM: 12 [12 - **12**] - 6 August 1967: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - 7 August 1967: Geest, Julius C.: USNM: 12 [12 - **12**] - 9 August 1967: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - 10 August 1967: Hayward, Bruce Joliffe: USNM: 12 [12 - **12**] - 11 August 1967: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - 12 August 1967: Hayward, Bruce Joliffe: USNM: 11 [11 - **11** - **61**].
Nkawkaw, 3.25 km N, 1.33 km W: 13 September 1978: Schlitter, Duane Albert: CM: 4 [4 - **4** - **4**].
Northern Region: Collection Date Unknown: ?: Collector Unknown: CM: 4 [4 - **4**] - 1 August 1969: ?: Collector Unknown: SMF: 1 [1 - **1** - **5**].
Ntronang [= Ntronane, Ntronan]: Collection Date Unknown: Mensah, P.E.: ROM: 17 [17 - **17** - **17**].
Nuanga Road: Collection Date Unknown: Laviolette, S.: ROM: 2 [2 - **2** - **2**].
Nungua: 5 May 1966: Lawler, R.S.: ROM: 2 [2 - **2**] - 2 June 1966: Lawler, R.S.: ROM: 2 [2 - **2** - **4**].
Oboasi: Collection Date Unknown: Mensah, P.E.: ROM: 8 [8 - **8**] - 18 September 1970: Mensah, P.E.: AMNH: 10 [10 - **10** - **18**].
Oboasi Mines: Collection Date Unknown: Mensah, P.E.: ROM: 12 [12 - **12** - **12**].
Obomen: Collection Date Unknown: Mensah, P.E.: ROM: 3 [3 - **3** - **3**].
Oda: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, USNM: 45 [46]; Cansdale, George Soper: BMNH: 6 [6]; Laviolette, S.: ROM: 1 [1]; Mensah, P.E.: ROM: 10 [10 - **63**] - 1 January 1945: Cansdale, George Soper: FMNH: 2 [2 - **2**] - 26 August 1945: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 2 September 1945: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 19 September 1945: Cansdale, George Soper: BMNH: 1 [1 - **1**] - 21 September 1945: ?: Collector Unknown: FMNH: 1 [1]; Cansdale, George Soper: BMNH: 1 [1 - **2**] - 21 October 1945: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 3 November 1945: Cansdale, George Soper: BMNH: 1, FMNH: 2 [3 - **3**] - 14 November 1945: Cansdale, George Soper: MCZ: 1 [1 - **1**] - 16 November 1945: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 17 November 1945: Cansdale, George Soper: BMNH: 1, FMNH: 1 [2 - **2**] - 22 November 1945: Cansdale, George Soper: MCZ: 1 [1 - **1**] - 25 November 1945: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 27 November 1945: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 7 December 1945: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 18 December 1945: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 24 December 1945: Cansdale, George Soper: BMNH: 1, FMNH: 1 [2 - **2**] - 1 January 1946: Cansdale, George Soper: BMNH: 1, FMNH: 2 [3 - **3**] - 21 January 1946: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 20 March 1946: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 28 March 1946: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 11 April 1946: Cansdale, George Soper: MCZ: 1 [1 - **1**] - 18 April 1946: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 29 April 1946: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 3 May 1946: Cansdale, George Soper: FMNH: 2 [2 - **2**] - 4 May 1946: ?: Collector Unknown: FMNH: 3 [3]; Cansdale, George Soper: FMNH: 10 [10 - **13**] - 17 May 1946: ?: Collector Unknown: FMNH: 1 [1]; Cansdale, George Soper: MCZ: 1 [1 - **2**] - 3 June 1946: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 21 June 1946: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 7 July 1946: Cansdale, George Soper: FMNH: 2 [2 - **2**] - 19 July 1946: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 16 August 1946: Cansdale, George Soper: FMNH: 2 [2 - **2**] - 1 September 1946: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 9 October 1968: Setzer, Henry W.: USNM: 1 [1 - **1**] - 10 October 1968: Robbins, Lynn W.: USNM: 3 [3]; Setzer, Henry W.: USNM: 2 [2]; Vaden, R.E.: USNM: 3 [3 - **8**] - 11 October 1968: Robbins, C. Brian: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1]; Setzer, Henry W.: USNM: 2 [2]; Vaden, R.E.: USNM: 3 [3 - **7**] - 12 October 1968: Setzer, Henry W.: USNM: 2 [2 - **2**] - 13 October 1968: LeDuc, James W.: USNM: 16 [16]; Robbins, Lynn W.: USNM: 7 [7]; Setzer, Henry W.: USNM: 7 [7]; Vaden, R.E.: USNM: 7 [7 - **37**] - 14 October 1968: Setzer, Henry W.: USNM: 2 [2]; Vaden, R.E.: USNM: 5 [5 - **7**] - 15 October 1968: Robbins, Lynn W.: USNM: 7 [7]; Vaden, R.E.: USNM: 7 [7 - **14** - **195**].
Oda and Akim, between: Collection Date Unknown: Mensah, P.E.: ROM: 1 [1 - **1**] - 24 December 1970: Mensah, P.E.: ROM: 3 [3 - **3** - **4**].
Oda Secondary School: 22 September 1967: Paulson, Robert C.: MSU: 1 [1 - **1**] - 22 March 1968: Paulson, Robert C.: MSU: 1 [1 - **1** - **2**].
Odomi Jongo: 16 June 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 17 June 1968: Geest, Julius C.: USNM: 6 [6 - **6**] - 18 June 1968: Geest, Julius C.: USNM: 9 [9 - **9**] - 19 June 1968: Geest, Julius C.: USNM: 21 [21 - **21**] - 20 June 1968: Geest, Julius C.: USNM: 8 [8 - **8**] - 21 June 1968: Geest, Julius C.: USNM: 9 [9 - **9**] - 22 June 1968: Geest, Julius C.: USNM: 13 [13 - **13**] - 23 June 1968: Geest, Julius C.: USNM: 8 [8 - **8** - **75**].
Ofinsu: Collection Date Unknown: Cansdale, George Soper: BMNH: 1 [1 - **1** - **1**].
Okorasi: 10 December 1967: LeDuc, James W.: USNM: 15 [15 - **15** - **15**].
Pampramase: Collection Date Unknown: Jeffrey, Sonia M.: BMNH: 1 [1 - **1**] - 25 May 1971: Jeffrey, Sonia M.: BMNH: 1 [1 - **1** - **2**].
Pirisi: 26 February 1968: Geest, Julius C.: USNM: 60 [60 - **60**] - 27 February 1968: Geest, Julius C.: USNM: 59 [59 - **59**] - 29 February 1968: Geest, Julius C.: USNM: 6 [6 - **6**] - 1 March 1968: Geest, Julius C.: USNM: 11 [11 - **11** - **136**].
Pong-Tamale: Collection Date Unknown: Barry, D.H.: BMNH: 1 [1 - **1**] - 30 July 1963: Barry, D.H.: BMNH: 1 [1 - **1** - **2**].
Pra Suhien Forest Reserve: 14 November 1967: Geest, Julius C.; Cole, L.: USNM: 1 [1 - **1** - **1**].
Prang: 22 March 1937: Webb, G.S.: BMNH: 2 [2 - **2** - **2**].
Prestea, 32 mi [=51.5 km] W: 7 January 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 7 January 1968: Geest, Julius C.: USNM: 6 [6 - **6**] - 8 January 1968: Geest, Julius C.: USNM: 6 [6 - **6**] - 9 January 1968: Geest, Julius C.: USNM: 11 [11 - **11**] - 10 January 1968: ?: Collector Unknown: USNM: 1 [1]; Geest, Julius C.: USNM: 9 [9 - **10**] - 11 January 1968: Geest, Julius C.: USNM: 8 [8 - **8**] - 12 January 1968: Geest, Julius C.: USNM: 8 [8 - **8**] - 13 January 1968: Geest, Julius C.: USNM: 8 [8 - **8**] - 14 January 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 10 June 1968: Geest, Julius C.: USNM: 1 [1 - **1** - **60**].
Prestea, 32 mi W: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1]; Geest, Julius C.: USNM: 19 [19 - **20**] - 7 January 1968: Geest, Julius C.: USNM: 4 [4 - **4**] - 8 January 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 9 January 1968:

Geest, Julius C.: USNM: 3 [3 - **3**] - 10 January 1968: Geest, Julius C.: USNM: 14 [14]; Setzer, Henry W.: USNM: 1 [1 - **15**] - 11 January 1968: Geest, Julius C.: USNM: 16 [16 - **16**] - 12 January 1968: Geest, Julius C.: USNM: 10 [10 - **10**] - 13 January 1968: Geest, Julius C.: USNM: 9 [9 - **9**] - 14 January 1968: Geest, Julius C.: USNM: 4 [4 - **4**] - 15 January 1968: Geest, Julius C.: USNM: 2 [2 - **2** - **84**].

Prince's Town, 7 mi [=11.3 km] N: 24 August 1967: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].

Prince's Town, 7 mi N: 23 August 1967: Hayward, Bruce Joliffe: USNM: 5 [5 - **5**] - 24 August 1967: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 25 August 1967: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **10**].

Pristia Mines: Collection Date Unknown: Mensah, P.E.: ROM: 19 [19 - **19** - **19**].

Pulima: Collection Date Unknown: Geest, Julius C.: USNM: 3 [3 - **3**] - 3 March 1968: Geest, Julius C.: USNM: 40 [40]; Ingersol, R.H.: USNM: 1 [1 - **41**] - 4 March 1968: Geest, Julius C.: USNM: 12 [12 - **12**] - 5 March 1968: Geest, Julius C.: USNM: 10 [10 - **10**] - 6 March 1968: Geest, Julius C.: USNM: 4 [4 - **4**] - 7 March 1968: Geest, Julius C.: USNM: 26 [26 - **26**] - 16 March 1968: Geest, Julius C.: USNM: 1 [1 - **1** - **97**].

Sakpa: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2**] - 15 March 1968: Geest, Julius C.: USNM: 7 [7 - **7**] - 16 March 1968: Geest, Julius C.: USNM: 46 [46 - **46**] - 17 March 1968: Geest, Julius C.: USNM: 27 [27 - **27**] - 18 March 1968: Geest, Julius C.: USNM: 65 [65 - **65**] - 19 March 1968: Geest, Julius C.: USNM: 8 [8 - **8**] - 21 March 1968: Geest, Julius C.: USNM: 13 [13 - **13**] - 16 May 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 18 June 1968: Geest, Julius C.: USNM: 1 [1 - **1** - **170**].

Samole Motel Camp: Collection Date Unknown: Cheke, R.A.: BMNH: 1 [1 - **1**] - 24 July 1974: McWilliam, A.N.; Marshall, A.G.: BMNH: 1 [1 - **1** - **2**].

Saruwi river: 17 August 1967: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - 18 August 1967: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - 19 August 1967: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **5**].

Sawla, 15 mi [=24 km]E: 25 August 1968: Cheke, R.A.: BMNH: 3 [3 - **3**] - 28 August 1968: Cheke, R.A.: BMNH: 1 [1 - **1** - **4**].

Sefwi Asemparaye: Collection Date Unknown: ?: Collector Unknown: BMNH: 14 [14 - **14** - **14**].

Sefwi Asenparage: 3 February 1972: Jeffrey, Sonia M.: RMCA: 1 [1 - **1**] - 4 February 1972: Jeffrey, Sonia M.: RMCA: 1 [1 - **1**] - 18 October 1972: Jeffrey, Sonia M.: RMCA: 2 [2 - **2** - **4**].

Sefwi Mafra: 22 January 1973: Jeffrey, Sonia M.: BMNH: 4 [4 - **4** - **4**].

Sekondi: 2 March 1946: Dadson, J.E.: AMNH: 1 [1 - **1** - **1**].

Setwi, Base Camp: Collection Date Unknown: Mensah, P.E.: ROM: 2 [2 - **2** - **2**].

Sewhi Wiaso: Collection Date Unknown: Mensah, P.E.: ROM: 2 [2 - **2**] - 12 September 1970: Mensah, P.E.: ROM: 1 [1 - **1** - **3**].

Shai Hills: 5 January 1970: Laviolette, S.: ROM: 1 [1 - **1**] - 7 January 1970: Laviolette, S.: ROM: 5 [5 - **5** - **6**].

Shai Hills Resource Reserve: 13 January 1992: Decher, Jan: CM: 7 [7 - **7**] - 18 January 1992: Decher, Jan: CM: 2 [2 - **2**] - 23 January 1992: Decher, Jan: CM: 1 [1 - **1** - **10**].

Shai Hills Resources Reserve, North End: Collection Date Unknown: ?: Collector Unknown: CM: 7 [7 - **7** - **7**].

Shiare: 24 August 2001: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Shishe: 6 May 1968: Geest, Julius C.: USNM: 10 [10 - **10** - **10**].

Sogakofe: Collection Date Unknown: : BMNH: 1 [1 - **1**] - 10 November 1958: Allison, F.R.: BMNH: 1 [1 - **1** - **2**].

Somanya, 3.2 km E: Collection Date Unknown: Laviolette, S.: ROM: 5 [5 - **5**] - 4 January 1970: Laviolette, S.: ROM: 1 [1 - **1** - **6**].

St. George d'Elmina: Collection Date Unknown: : ZMA: 1 [1 - **1** - **1**].

Subinja: 21 February 1968: Geest, Julius C.: USNM: 10 [10 - **10**] - 22 February 1968: Geest, Julius C.: USNM: 20 [20 - **20**] - 23 February 1968: Geest, Julius C.: USNM: 4 [4 - **4**] - 24 February 1968: Geest, Julius C.: USNM: 6 [6 - **6** - **40**].

Suhum, 2.4 mi E: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Tafo: 28 July 1961: : BMNH: 1 [1 - **1** - **1**].

Takoradi: Collection Date Unknown: : BMNH: 4 [4]; Barry, D.H.: BMNH: 1 [1 - **5**] - 2 April 1965: Barry, D.H.: BMNH: 1 [1 - **1**] - 30 May 1965: Barry, D.H.: BMNH: 1 [1 - **1** - **7**].

Takwa Mines: Collection Date Unknown: Mensah, P.E.: ROM: 19 [19 - **19** - **19**].

Tamale: 10 September 1916: Armitage: BMNH: 1 [1 - **1**] - 10 May 1973: Neugebauer, P.: NMW: 20, ZMA: 10 [30 - **30** - **31**].

Teshi: 23 November 1967: Geest, Julius C.: USNM: 31 [31]; Robbins, C. Brian: USNM: 27 [27]; Setzer, Henry W.: USNM: 30 [30 - **88**] - 25 November 1967: Geest, Julius C.: USNM: 11 [11]; Robbins, C. Brian: USNM: 27 [27]; Setzer, Henry W.: USNM: 54 [54 - **92**] - 26 November 1967: Geest, Julius C.: USNM: 19 [19]; LeDuc, James W.: USNM: 33 [33]; Robbins, C. Brian: USNM: 43 [43]; Setzer, Henry W.: USNM: 20 [20 - **115**] - 28 November 1967: Setzer, Henry W.: USNM: 1 [1 - **1** - **296**].

Tinkong, 3 mi NW: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Todzi: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].

Tsibu, 2 mi SSW: 2 December 1967: Setzer, Henry W.: USNM: 2 [2 - **2** - **2**].

Tsibu, 7 mi N: 2 December 1967: LeDuc, James W.: USNM: 6 [6 - **6** - **6**].

Tumu area: 24 July 1961: Barry, D.H.: BMNH: 1 [1 - **1** - **1**].

Tutu: 10 December 1967: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].

undefined locality: Collection Date Unknown: Mensah, P.E.: ROM: 2 [2 - **2** - **2**].

University of Ghana: Collection Date Unknown: Setzer, Henry W.: USNM: 1 [1 - **1**] - 24 January 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 18 July 1967: Hayward, Bruce Joliffe: USNM: 13 [13 - **13**] - 19 July 1967: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - 20 July 1967: Geest, Julius C.: USNM: 11 [11]; Hayward, Bruce Joliffe: USNM: 17 [17 - **28**] - 21 July 1967: Geest, Julius C.: USNM: 11 [11]; Hayward, Bruce Joliffe: USNM: 7 [7 - **18**] - 22 July 1967: Geest, Julius C.: USNM: 2 [2]; Hayward, Bruce Joliffe: USNM: 18 [18 - **20**] - 23 July 1967: Hayward, Bruce Joliffe: USNM: 12 [12 - **12**] - 24 July 1967: Geest, Julius C.: USNM: 8 [8]; Hayward, Bruce Joliffe: USNM: 6 [6 - **14**] - 25 July 1967: Hayward, Bruce Joliffe: USNM: 11 [11 - **11**] - 26 July 1967: Hayward, Bruce Joliffe: USNM: 12 [12 - **12**] - 27 July 1967: Geest, Julius C.: USNM: 3 [3]; Hayward, Bruce Joliffe: USNM: 1 [1 - **4**] - 30 July 1967: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 1 August 1967: Hayward, Bruce Joliffe: USNM: 10 [10 - **10**] - 2 August 1967: Hayward, Bruce Joliffe: USNM: 21 [21 - **21**] - 26 September 1967: Robbins, C. Brian: USNM: 11 [11 - **11**] - 27 September 1967: LeDuc, James W.: USNM: 3 [3 - **3**] - 30 September 1967: LeDuc, James W.: USNM: 7 [7 - **7**] - 9 November 1967: Setzer, Henry W.: USNM: 2 [2 - **2**] - 22 November 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 28 November 1967: Geest, Julius C.: USNM: 6 [6]; Robbins, C. Brian: USNM: 9 [9 - **15**] - 30 November 1967: Geest, Julius C.: USNM: 3 [3]; Robbins, C. Brian: USNM: 2 [2]; Setzer, Henry W.: USNM: 4 [4 - **9**] - 1 December 1967: Geest, Julius C.: USNM: 5 [5]; Robbins, C. Brian: USNM: 5 [5]; Setzer, Henry W.: USNM: 3 [3 - **13**] - 2 December 1967: LeDuc, James W.: USNM: 11 [11]; Setzer, Henry W.: USNM: 5 [5 - **16**] - 3 December 1967: Geest, Julius C.: USNM: 6 [6]; Hayward, Bruce Joliffe: USNM: 2 [2]; Setzer, Henry W.: USNM: 5 [5 - **13**] - 5 December 1967: LeDuc, James W.: USNM: 19 [19]; Setzer, Henry W.: USNM: 18 [18 - **37**] - 6 December 1967: Setzer, Henry W.:

USNM: 25 [25 - **25**] - 7 December 1967: Setzer, Henry W.: USNM: 22 [22 - **22**] - 8 December 1967: Setzer, Henry W.: USNM: 15 [15 - **15**] - 9 December 1967: Setzer, Henry W.: USNM: 8 [8 - **8**] - 31 December 1967: Setzer, Henry W.: USNM: 1 [1 - **1**] - 23 September 1968: Vaden, R.E.: USNM: 1 [1 - **1** - **367**].

unspecified locality: Collection Date Unknown: ?: Collector Unknown: WAM: 1 [1]; Taylor, I.: WAM: 1 [1 - **2** - **2**].

Upper: 19 August 1973: Maness, S.J.: FMNH: 1 [1 - **1** - **1**].

Volta region: 11 August 2001: ?: Collector Unknown: SMF: 7 [7 - **7**] - 13 August 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 18 August 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 22 August 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 24 August 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 26 August 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 27 August 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 August 2001: ?: Collector Unknown: SMF: 2 [2 - **2** - **20**].

Weija: 17 December 1967: LeDuc, James W.: USNM: 17 [17]; Robbins, C. Brian: USNM: 29 [29 - **46** - **46**].

Wenchi: Collection Date Unknown: Mensah, P.E.: ROM: 2 [2 - **2**] - 17 November 1968: Mensah, P.E.: ROM: 7 [7 - **7**] - 30 December 1968: Mensah, P.E.: ROM: 1 [1 - **1**] - 11 January 1969: Mensah, P.E.: ROM: 1 [1 - **1**] - 30 September 1969: Mensah, P.E.: ROM: 10 [10 - **10**] - 1 September 1970: Mensah, P.E.: AMNH: 3 [3 - **3**] - 14 September 1971: Mensah, P.E.: ROM: 5 [5 - **5**] - 15 September 1971: Mensah, P.E.: ROM: 1 [1 - **1** - **30**].

Winneba: Collection Date Unknown: Cansdale, George Soper: BMNH: 1 [1 - **1**] - 21 November 1945: Cansdale, George Soper: FMNH: 1 [1 - **1**] - 22 November 1945: Cansdale, George Soper: FMNH: 1 [1]; Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **2**] - 18 January 1946: Cansdale, George Soper: FMNH: 1 [1 - **1** - **5**].

Wli Waterfall: 21 November 1999: Decher, Jan: SMF: 1 [1 - **1**] - 11 August 2001: ?: Collector Unknown: SMF: 2 [2]; Decher, Jan: SMF: 1 [1 - **3**] - 26 August 2001: ?: Collector Unknown: SMF: 1 [1 - **1** - **5**].

Wora Wora: 28 October 1970: Mensah, P.E.: AMNH: 2 [2 - **2** - **2**].

Wulasi: 16 May 1968: Geest, Julius C.: USNM: 4 [4 - **4**] - 17 May 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 18 May 1968: Geest, Julius C.: USNM: 4 [4 - **4**] - 19 May 1968: Geest, Julius C.: USNM: 6 [6 - **6**] - 20 May 1968: Geest, Julius C.: USNM: 4 [4 - **4** - **19**].

Yabraso: 3 April 1968: Geest, Julius C.: USNM: 1 [1 - **1**] - 8 April 1968: Geest, Julius C.: USNM: 22 [22 - **22**] - 9 April 1968: Geest, Julius C.: USNM: 19 [19 - **19**] - 10 April 1968: Geest, Julius C.: USNM: 18 [18 - **18**] - 11 April 1968: Geest, Julius C.: USNM: 11 [11 - **11**] - 12 April 1968: Geest, Julius C.: USNM: 14 [14 - **14**] - 10 July 1968: Geest, Julius C.: USNM: 1 [1 - **1** - **86**].

Yanfori: 14 June 1974: Boakye, A.K.: ROM: 1 [1 - **1** - **1**].

Total Specimens for Ghana: 5369

Greece

Mount Gova: 26 March 1904: TM: 1 [1 - **1** - **1**].

Total Specimens for Greece: 1

Guinea

Unknown locality: Collection Date Unknown: MNHN: 3 [3]; Ferencz, Károly: HNHM: 1 [1]; Finsch, Friedrich Hermann Otto: ZMB: 1 [1]; Pel, H.S.: ZMB: 3 [3]; Schlegel, Hermann: ZMB: 1 [1]; Schneider: ZMB: 1 [1]; Zeller, Leydig: ZMB: 1 [1 - **11**] - 15 November 1956: ?: Collector Unknown: SMF: 1 [1 - **1**] - 23 November 1956: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 November 1956: ?: Collector Unknown: SMF: 1 [1 - **1** - **14**].

Balouma: 8 November 1959: Roche, Jean: MNHN: 1 [1 - **1** - **1**].

Boussoura: 28 November 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 30 November 1983: Cabot, M.: FMNH: 1 [1 - **1** - **2**].

Canga-Moribadou Road, 2nd bridge on: 18 December 2008: ?: Collector Unknown: ZFMK: 2 [2 - **2** - **2**].

cave, Guinee-Maritime: 26 July 1966: Ferencz, Károly: HNHM: 1 [1 - **1**] - 4 September 1967: Ferencz, Károly: HNHM: 1 [1 - **1**] - 18 December 1968: Ferencz, Károly: HNHM: 1 [1 - **1**] - 15 May 1969: Ferencz, Károly: HNHM: 1 [1 - **1** - **4**].

Conakry: Collection Date Unknown: ?: Collector Unknown: MNHN: 12 [12 - **12** - **12**].

Conakry [= Konakry, Konakri]: 17 March 1970: Ferencz, Károly: HNHM: 1 [1 - **1**] - 30 March 1970: Ferencz, Károly: HNHM: 1 [1 - **1** - **2**].

Conakry Island: 1 January 1896: Maclaud, C.: MNHN: 1 [1 - **1** - **1**].

Foko Confluence: 7 March 2008: ?: Collector Unknown: ZFMK: 10 [10 - **10**] - 8 March 2008: ?: Collector Unknown: ZFMK: 4 [4 - **4**] - 9 March 2008: ?: Collector Unknown: ZFMK: 2 [2 - **2** - **16**].

Fouta Djallon: 27 July 1910: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Fouta-Djallon: 27 July 1910: Pobéguin, Charles-Henri: MNHN: 1 [1 - **1** - **1**].

Foutadjalon Mt, Kallendu,cave: 24 April 1970: Ferencz, Károly: HNHM: 1 [1 - **1**] - 24 May 1970: Ferencz, Károly: HNHM: 4 [4 - **4** - **5**].

Fressoudou: 27 July 2011: ?: Collector Unknown: MNHN: 12 [12 - **12**] - 28 July 2011: ?: Collector Unknown: MNHN: 17 [17 - **17**] - 30 July 2011: ?: Collector Unknown: MNHN: 9 [9 - **9**] - 31 July 2011: ?: Collector Unknown: MNHN: 10 [10 - **10**] - 7 August 2011: ?: Collector Unknown: MNHN: 9 [9 - **9**] - 8 August 2011: ?: Collector Unknown: MNHN: 11 [11 - **11**] - 9 August 2011: ?: Collector Unknown: MNHN: 10 [10 - **10**] - 10 August 2011: ?: Collector Unknown: MNHN: 9 [9 - **9** - **87**].

Gbaolé: 23 June 2001: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 26 June 2001: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 16 June 2011: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 17 June 2011: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 18 June 2011: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 19 June 2011: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 20 June 2011: ?: Collector Unknown: MNHN: 9 [9 - **9**] - 21 June 2011: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 22 June 2011: ?: Collector Unknown: MNHN: 6 [6 - **6**] - 25 June 2011: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 27 June 2011: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 28 June 2011: ?: Collector Unknown: MNHN: 2 [2 - **2** - **60**].

Gbié: Collection Date Unknown: Denys, Christiane: MNHN: 1 [1 - **1** - **1**].

Grotte du Marché: 16 April 1954: Villiers, A.: MHNG: 1 [1 - **1** - **1**].

Grotte Garrigues: 14 April 1954: Villiers, A.: IFAN: 1 [1 - **1** - **1**].

Guinée Forestière, border of "Réserve de la Biosphère du Massif du Ziama": 12 August 1992: Vierhaus, Henning: ZFMK: 1 [1 - **1** - **1**].

Guinee-Maritime: 22 May 1967: Ferencz, Károly: HNHM: 2 [2 - **2**] - 22 August 1967: Ferencz, Károly: HNHM: 1 [1 - **1**] - 10 January 1968: Ferencz, Károly: HNHM: 1 [1 - **1**] - 6 April 1968: Ferencz, Károly: HNHM: 1 [1 - **1**] - 18 December 1968:

Ferencz, Károly: HNHM: 1 [1 - **1**] - 1 April 1970: Ferencz, Károly: HNHM: 1 [1 - **1**] - 5 April 1970: Ferencz, Károly: HNHM: 1 [1 - **1**] - 20 December 1972: Ferencz, Károly: HNHM: 1 [1 - **1**] - 24 March 1973: Ferencz, Károly: HNHM: 1 [1 - **1** - **10**].

Hotel de la Gar: 17 February 1968: Ferencz, Károly: HNHM: 1 [1 - **1** - **1**].

Kallendu: 22 April 1970: Ferencz, Károly: HNHM: 1 [1 - **1**] - 9 June 1970: Ferencz, Károly: HNHM: 1 [1 - **1** - **2**].

Kankasili: Collection Date Unknown: Van Orshoven, Jo: ZMA: 55 [55 - **55**] - 26 November 1966: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 1 December 1966: Van Orshoven, Jo: ZMA: 2 [2 - **2**] - 12 December 1966: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 14 December 1966: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 15 December 1966: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 16 December 1966: Van Orshoven, Jo: ZMA: 2 [2 - **2**] - 19 December 1966: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 20 December 1966: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 22 December 1966: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 23 December 1966: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 24 December 1966: Van Orshoven, Jo: ZMA: 2 [2 - **2**] - 31 December 1966: Van Orshoven, Jo: ZMA: 2 [2 - **2**] - 1 January 1967: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 2 January 1967: Van Orshoven, Jo: ZMA: 2 [2 - **2**] - 3 January 1967: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 4 January 1967: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 5 January 1967: Van Orshoven, Jo: ZMA: 2 [2 - **2**] - 6 January 1967: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 7 January 1967: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 8 January 1967: Van Orshoven, Jo: ZMA: 4 [4 - **4**] - 16 January 1967: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 20 January 1967: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 22 January 1967: Van Orshoven, Jo: ZMA: 3 [3 - **3**] - 1 February 1967: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 8 February 1967: Van Orshoven, Jo: ZMA: 3 [3 - **3**] - 9 February 1967: Van Orshoven, Jo: ZMA: 5 [5 - **5**] - 10 February 1967: Van Orshoven, Jo: ZMA: 3 [3 - **3**] - 11 February 1967: Van Orshoven, Jo: ZMA: 2 [2 - **2**] - 12 February 1967: Van Orshoven, Jo: ZMA: 2 [2 - **2**] - 15 February 1967: Van Orshoven, Jo: ZMA: 3 [3 - **3**] - 25 February 1967: Van Orshoven, Jo: ZMA: 18 [18 - **18**] - 1 March 1967: Van Orshoven, Jo: ZMA: 9 [9 - **9**] - 24 December 1967: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **136**].

Kankasili and Souguéta, between: 14 November 1968: Van Orshoven, Jo: ZMA: 1 [1 - **1**] - 1 December 1968: Van Orshoven, Jo: ZMA: 1 [1 - **1** - **2**].

Kankuya Plateau, cave near Nyembaro: 23 November 1956: Knorr, Hans: ZFMK: 1 [1 - **1** - **1**].

Keoulenta: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Kindia: Collection Date Unknown: ?: Collector Unknown: MNHN: 9 [9 - **9**] - 11 October 1956: Knorr, Hans: ZFMK: 1 [1 - **1** - **10**].

Kolente: 24 November 1956: Knorr, Hans: ZFMK: 2 [2 - **2**] - 27 November 1956: Knorr, Hans: SMF: 1 [1 - **1** - **3**].

Kolenté, 10 km W: 19 November 1956: Knorr, Hans: SMNS: 9 [9 - **9**] - 27 November 1956: Knorr, Hans: SMNS: 1 [1 - **1** - **10**].

Kouroussa: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; Pobéguin, Charles-Henri: MNHN: 1 [1 - **3**] - 17 March 1905: Pobéguin, Charles-Henri: MNHN: 2 [2 - **2** - **5**].

Kouroussa region: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Kouroussa, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Macenta: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Mamou: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Mont Richard Molard: 7 January 1966: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

Mount Nimba: Collection Date Unknown: ?: Collector Unknown: MNHN: 18 [18 - **18** - **18**].

Mount Nimba?: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].

Mt. Nimba: Collection Date Unknown: ?: Collector Unknown: MHNG: 3 [3 - **3**] - 1 December 1983: Brosset, André: MHNG: 1 [1]; Brosset, André; Richaud, Pierre: MNHN: 3 [3 - **4** - **7**].

Niomouya River: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Nyembaro: 23 November 1956: Knorr, Hans: ZFMK: 1 [1 - **1**] - 24 November 1956: Knorr, Hans: SMF: 2, SMNS: 8 [10 - **10** - **11**].

Ouassou: Collection Date Unknown: Klaptocs, A.: NMW: 1 [1 - **1** - **1**].

Oueleba: 1 March 2008: ?: Collector Unknown: ZFMK: 3 [3 - **3**] - 3 March 2008: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **4**].

Park National du Haut Niger: Collection Date Unknown: ?: Collector Unknown: ZFMK: 7 [7 - **7** - **7**].

Pic de Foko: 9 March 2008: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - 17 March 2008: ?: Collector Unknown: ZFMK: 2 [2 - **2**] - 18 March 2008: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - 9 December 2008: ?: Collector Unknown: ZFMK: 3 [3 - **3**] - 10 December 2008: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - 11 December 2008: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **9**].

Pita: 27 July 1910: Pobéguin, Charles-Henri: MNHN: 1 [1 - **1** - **1**].

Pita area: 27 July 1910: Pobéguin, Charles-Henri: MNHN: 1 [1 - **1** - **1**].

Salung Plateau, cave near Nyembaro: 15 November 1956: Knorr, Hans: SMNS: 3, ZFMK: 4 [7 - **7**] - 19 November 1956: Knorr, Hans: ZFMK: 1 [1 - **1** - **8**].

Samedou: 2 August 2011: ?: Collector Unknown: MNHN: 12 [12 - **12**] - 3 August 2011: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 4 August 2011: ?: Collector Unknown: MNHN: 14 [14 - **14**] - 5 August 2011: ?: Collector Unknown: MNHN: 11 [11 - **11** - **40**].

Sérédou: Collection Date Unknown: ?: Collector Unknown: MNHN: 16 [16 - **16**] - 11 May 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 18 May 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 18 December 1959: Roche, Jean: MNHN: 1 [1 - **1** - **19**].

Soumba o Dubreka: Collection Date Unknown: ?: Collector Unknown: EBD: 3 [3 - **3** - **3**].

Tahiré: Collection Date Unknown: Knorr, Hans: ZFMK: 1 [1 - **1**] - 3 October 1956: Knorr, Hans: SMNS: 2 [2 - **2**] - 5 October 1956: Knorr, Hans: ZFMK: 1 [1 - **1**] - 11 October 1956: Knorr, Hans: SMNS: 1 [1 - **1** - **5**].

Tahire, big cave near: 5 October 1956: Knorr, Hans: SMNS: 1 [1 - **1** - **1**].

Tourela, 2.3 km E: 14 March 2008: ?: Collector Unknown: ZFMK: 2 [2 - **2**] - 15 March 2008: ?: Collector Unknown: ZFMK: 2 [2 - **2** - **4**].

Western Spur Valley: 12 December 2008: ?: Collector Unknown: ZFMK: 6 [6 - **6**] - 13 December 2008: ?: Collector Unknown: ZFMK: 1 [1 - **1**] - 14 December 2008: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **8**].

Whiskey 1: 25 February 2008: ?: Collector Unknown: ZFMK: 9 [9 - **9**] - 3 March 2008: ?: Collector Unknown: ZFMK: 3 [3 - **3**] - 4 December 2008: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **13**].

Yomou: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].

Zié cave: 28 November 1951: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].

Ziéla: Collection Date Unknown: ?: Collector Unknown: MNHN: 35 [35 - **35**] - 1 January 1961: Aguesse, P.: MNHN: 1 [1 - **1** - **36**].

Zogota: 1 June 2011: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 2 June 2011: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 3 June 2011: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 5 June 2011: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 7 June 2011: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 8 June 2011: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 10 June 2011: ?: Collector Unknown: MNHN: 9 [9 - **9**] - 11 June 2011: ?: Collector Unknown: MNHN: 7 [7 - **7**] - 12 June 2011: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 13 June 2011: ?: Collector Unknown: MNHN: 2 [2 - **2** - **39**].

Zouguépo: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6 - **6**] - 15 April 1957: Lamotte, M.: MNHN: 1 [1 - **1** - **7**].

Total Specimens for Guinea: 654

Guinea-Bissau

Unknown locality: 1 February 1899: USNM: 2 [2 - **2**] - 30 November 1938: Nederlandse Biologische Exc.: ZMA: 1 [1 - **1** - **3**].
"Bissao Senegambia": Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Bissalanca: 25 November 1937: Monard, Albert: RMCA: 2 [2 - **2** - **2**].
Bissau: 1 February 1899: Fea, Leonardo: AMNH: 1 [1 - **1** - **1**].
Bissau [island]: Collection Date Unknown: Bocage, José Vicente Barboza du: ZMB: 1 [1]; Hintz: ZMB: 1 [1 - **2** - **2**].
Bissoram: 27 December 1945: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].
Bolama: Collection Date Unknown: da Costa, D.: MLZA: 1 [1]; Fea, Leonardo: USNM: 1 [1 - **2**] - 2 February 1979: de Waart, J.: ZMA: 1 [1 - **1** - **3**].
Catió: 6 March 1946: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].
Contubo-el: Collection Date Unknown: Monard, Albert: MHNC: 5, RMCA: 1 [6 - **6** - **6**].
Enchalé: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Formosa Island: 19 September 1961: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Gunnal: 4 June 1900: Ansorge, William John: BMNH: 1 [1 - **1** - **1**].
Madina Boé: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; Monard, Albert: MNHN: 1, RMCA: 1 [2 - **4**] - 5 March 1938: Monard, Albert: NMBA: 2, RMCA: 1 [3 - **3**] - 9 March 1938: Monard, Albert: NMBA: 2, RMCA: 1 [3 - **3** - **10**].
Mansoa: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; Monard, Albert: RMCA: 1 [1 - **3**] - 1 January 1937: Monard, Albert: RMCA: 1 [1 - **1**] - 1 December 1937: Monard, Albert: RMCA: 1 [1 - **1**] - 11 December 1937: Monard, Albert: NMBA: 1 [1 - **1**] - 12 December 1937: Monard, Albert: MHNC: 1, NMBA: 2 [3 - **3**] - 14 December 1937: Monard, Albert: MHNG: 1 [1 - **1**] - 17 December 1937: Monard, Albert: NMBA: 1 [1 - **1**] - 27 December 1945: Frade, F.: CZL: 1 [1 - **1** - **12**].
Pitche: 3 April 1946: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].
Ponta de Marques Mano: 3 January 1945: Frade, F.: CZL: 1 [1 - **1** - **1**].
Ponta Robalo: Collection Date Unknown: Monard, Albert: MHNG: 2 [2 - **2**] - 24 November 1937: Monard, Albert: MHNG: 1 [1 - **1** - **3**].
Sama: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 20 January 1938: Monard, Albert: MHNC: 1 [1 - **1** - **2**].

Total Specimens for Guinea-Bissau: 52

Israel

West Bank: Collection Date Unknown: TTU: 1 [1 - **1** - **1**].

Total Specimens for Israel: 1

Italy

"Italy": Collection Date Unknown: ZMB: 1 [1 - **1** - **1**].
Pisa: Collection Date Unknown: Bonaparte, Charles Lucien (Carlo) Jules Laurent: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Italy: 2

Kenya

Unknown locality: Collection Date Unknown: BMNH: 891, DNSM: 1, FMNH: 5, KU: 1, MNHN: 9, RMNH: 14, ROM: 1, SMF: 25, USNM: 10, WAM: 1, YPM: 9 [967]; : BMNH: 1, SMF: 1 [2]; Bekker, Jan Piet: ZMA: 1 [1]; Cambridge University Kenya Expedition 1977, The: BMNH: 2 [2]; Foster, B.: ROM: 1 [1]; Glen, Robert M.: ROM: 1 [1]; Kyongo, Robert N.: RMNH: 1 [1]; Mumford, Russell E.: ROM: 1 [1]; Patterson, Bruce D.: FMNH: 6 [6]; Rathborne, J.C.; Carr, P.S.: YPM: 1 [1]; Rift Valley Expedition, The: BMNH: 1 [1]; Sillu, David M.: RMCA: 2 [2]; Smeenk, Chris: RMNH: 16 [16]; Smeenk, Chris; Van de Blom, K.: RMNH: 1 [1]; Start, Anthony N.: BMNH: 2 [2]; Twomey, A.C.: AMNH: 2 [2 - **1007**] - 1 November 1892: Chandler, W.A.: USNM: 1 [1 - **1**] - 1 January 1925: Akeley, D.J.: AMNH: 2 [2 - **2**] - 5 December 1949: Williams, John George: UCLA: 1 [1 - **1**] - 15 July 1956: ?: Collector Unknown: SMF: 2 [2 - **2**] - 17 July 1956: ?: Collector Unknown: SMF: 25 [25 - **25**] - 13 August 1956: ?: Collector Unknown: SMF: 6 [6 - **6**] - 21 August 1956: ?: Collector Unknown: SMF: 4 [4 - **4**] - 1 August 1958: ?: Collector Unknown: SMF: 2 [2 - **2**] - 31 August 1958: ?: Collector Unknown: SMF: 2 [2 - **2**] - 18 September 1959: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 December 1959: ?: Collector Unknown: SMF: 2 [2 - **2**] - 10 May 1960: ?: Collector Unknown: SMF: 2 [2 - **2**] - 8 March 1963: ?: Collector Unknown: QM: 1 [1 - **1**] - 16 March 1963: ?: Collector Unknown: QM: 1 [1 - **1**] - 20 March 1963: ?: Collector Unknown: QM: 1 [1 - **1**] - 5 November 1963: ?: Collector Unknown: QM: 1 [1 - **1**] - 18 October 1964: ?: Collector Unknown: BMNH: 2 [2 - **2**] - 3 November 1964: Start, Anthony N.: BMNH: 1 [1 - **1**] - 19 April 1965: ?: Collector Unknown: SMF: 2 [2 - **2**] - 15 August 1965: Start, Anthony N.: WAM: 2 [2 - **2**] - 3 August 1967: ?: Collector Unknown: WAM: 1 [1 - **1**] - 12 August 1967: Start, Anthony N.: WAM: 1 [1 - **1**] - 1 January 1969: Barton, Miles: ROM: 9 [9 - **9**] - 12 September 1969: ?: Collector Unknown: QM: 1 [1 - **1**] - 17 September 1969: ?: Collector Unknown: QM: 1 [1 - **1**] - 8 November 1969: ?: Collector Unknown: QM: 1 [1 - **1**] - 17 January 1970: ?: Collector Unknown: QM: 1 [1 - **1**] - 22 February 1970: Schmutter, H.; Kock, Dieter: SMF: 1 [1 - **1**] - 11 April 1970: ?: Collector Unknown: SMF: 10 [10 - **10**] - 19 November 1970: ?: Collector Unknown: QM: 1 [1 - **1**] - 28 November 1970: ?: Collector Unknown: QM: 1 [1 - **1**] - 29 November 1970: ?: Collector Unknown: QM: 1 [1 - **1**] - 22 May 1972: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1973: Eger, Judith L.; Glen, Robert M.: ROM: 4 [4 - **4**] - 28 August 1973: ?: Collector Unknown: QM: 1 [1 - **1**] - 30 August 1973: ?: Collector Unknown: QM: 1 [1 - **1**] - 25 May 1975: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 21 September 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 September 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 September 1975: ?: Collector Unknown: SMF: 10 [10 - **10**] - 11 November 1976: Ithia, Julius M.K.: RMNH: 1 [1 - **1**] - 12 November 1976: Ithia, Julius M.K.: RMNH: 6 [6 - **6**] - 1 December 1976: Kyongo, Robert N.: RMNH:

1 [1 - **1**] - 4 December 1976: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 5 December 1976: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 7 December 1976: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 10 January 1977: Ithia, Julius M.K.: RMNH: 15 [15 - **15**] - 9 February 1977: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 22 February 1977: Kyongo, Robert N.: RMNH: 12 [12 - **12**] - 23 February 1977: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 21 March 1977: Kyongo, Robert N.: RMNH: 3 [3 - **3**] - 22 April 1977: Kyongo, Robert N.: RMNH: 8 [8 - **8**] - 23 April 1977: Kyongo, Robert N.: RMNH: 6 [6 - **6**] - 26 April 1977: Kyongo, Robert N.: RMNH: 9 [9 - **9**] - 22 May 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 23 May 1977: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 24 May 1977: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 28 May 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 30 May 1977: Kyongo, Robert N.: RMNH: 7 [7 - **7**] - 1 June 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 23 June 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 26 June 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 19 October 1977: Kyongo, Robert N.: RMNH: 11 [11 - **11**] - 26 November 1977: Ithia, Julius M.K.: RMNH: 5 [5]; Kyongo, Robert N.: RMNH: 3 [3 - **8**] - 27 November 1977: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 9 December 1977: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 13 December 1977: Kyongo, Robert N.: RMNH: 3 [3 - **3**] - 14 December 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 15 December 1977: Kyongo, Robert N.: RMNH: 9 [9 - **9**] - 16 December 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 19 December 1977: Ithia, Julius M.K.: RMNH: 1 [1 - **1**] - 21 April 1978: Ithia, Julius M.K.: RMNH: 10 [10 - **10**] - 22 April 1978: Ithia, Julius M.K.: RMNH: 1 [1 - **1**] - 24 April 1978: Ithia, Julius M.K.: RMNH: 20 [20 - **20**] - 25 April 1978: Ithia, Julius M.K.: RMNH: 24 [24 - **24**] - 18 June 1978: Ithia, Julius M.K.: RMNH: 1 [1 - **1**] - 25 July 1978: Kyongo, Robert N.: RMNH: 5 [5 - **5**] - 26 July 1978: Kyongo, Robert N.: RMNH: 8 [8 - **8**] - 28 July 1978: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 29 July 1978: Kyongo, Robert N.: RMNH: 4 [4 - **4**] - 30 July 1978: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 10 October 1978: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 11 October 1978: Kyongo, Robert N.: RMNH: 9 [9 - **9**] - 12 October 1978: Kyongo, Robert N.: RMNH: 3 [3 - **3**] - 30 October 1978: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 24 January 1979: Kyongo, Robert N.: RMNH: 3 [3 - **3**] - 31 January 1979: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 6 February 1979: Ithia, Julius M.K.: RMNH: 9 [9 - **9**] - 7 February 1979: Ithia, Julius M.K.: RMNH: 10 [10 - **10**] - 8 February 1979: Ithia, Julius M.K.: RMNH: 7 [7 - **7**] - 9 February 1979: Ithia, Julius M.K.: RMNH: 14 [14 - **14**] - 4 March 1979: Kyongo, Robert N.: RMNH: 5 [5 - **5**] - 5 March 1979: Kyongo, Robert N.: RMNH: 13 [13 - **13**] - 6 March 1979: Kyongo, Robert N.: RMNH: 22 [22 - **22**] - 7 March 1979: Kyongo, Robert N.: RMNH: 28 [28 - **28**] - 8 March 1979: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 14 March 1979: Kyongo, Robert N.: RMNH: 18 [18 - **18**] - 15 March 1979: Kyongo, Robert N.: RMNH: 4 [4 - **4**] - 18 March 1979: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 30 May 1979: Kyongo, Robert N.: RMNH: 30 [30 - **30**] - 2 October 1979: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 3 October 1979: ?: Collector Unknown: RMNH: 9 [9 - **9**] - 4 October 1979: ?: Collector Unknown: RMNH: 2 [2 - **2**] - 6 October 1979: ?: Collector Unknown: RMNH: 2 [2 - **2**] - 7 October 1979: ?: Collector Unknown: RMNH: 4 [4 - **4**] - 9 October 1979: ?: Collector Unknown: RMNH: 2 [2 - **2**] - 10 October 1979: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 12 October 1979: ?: Collector Unknown: RMNH: 2 [2 - **2**] - 17 October 1979: ?: Collector Unknown: RMNH: 3 [3 - **3**] - 25 October 1979: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 26 October 1979: ?: Collector Unknown: RMNH: 2 [2 - **2**] - 2 December 1979: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 6 December 1979: Kyongo, Robert N.: RMNH: 5 [5 - **5**] - 7 December 1979: Kyongo, Robert N.: RMNH: 3 [3 - **3**] - 5 April 1980: Ithia, Julius M.K.: RMNH: 1 [1 - **1**] - 11 April 1980: Ithia, Julius M.K.: RMNH: 1 [1]; Kyongo, Robert N.: RMNH: 1 [1 - **2**] - 17 May 1980: Ithia, Julius M.K.: RMNH: 21 [21 - **21**] - 18 May 1980: Ithia, Julius M.K.: RMNH: 16 [16 - **16**] - 19 May 1980: Ithia, Julius M.K.: RMNH: 20 [20 - **20**] - 17 July 1982: ?: Collector Unknown: QM: 1 [1 - **1**] - 1 May 1983: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 13 May 1983: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 27 June 1984: ?: Collector Unknown: QM: 2 [2 - **2**] - 12 December 1985: ?: Collector Unknown: RMNH: 3 [3 - **3**] - 19 February 1986: ?: Collector Unknown: RMNH: 5 [5 - **5**] - 20 February 1986: ?: Collector Unknown: RMNH: 2 [2 - **2**] - 2 April 1986: ?: Collector Unknown: RMNH: 2 [2 - **2**] - 8 April 1986: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 25 April 1986: ?: Collector Unknown: RMNH: 17 [17 - **17**] - 9 February 1987: ?: Collector Unknown: RMNH: 2 [2 - **2**] - 10 February 1987: ?: Collector Unknown: RMNH: 14 [14 - **14**] - 11 February 1987: ?: Collector Unknown: RMNH: 10 [10 - **10**] - 15 February 1987: ?: Collector Unknown: RMNH: 3 [3 - **3**] - 20 September 1987: ?: Collector Unknown: RMNH: 3 [3 - **3**] - 1 January 1988: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 15 September 1990: ?: Collector Unknown: SMF: 1 [1 - **1** - **1663**].

"Olorgesailie": 28 July 1967: Smith, David C.: YPM: 1 [1 - **1** - **1**].

"Vipinga": 6 January 1965: Bauer, Roland G.: YPM: 5 [5 - **5** - **5**].

15 mi up from Tanganyika border, Mara river, 15 mi up: 8 July 1963: Mumford, Russell E.: USNM: 2 [2 - **2** - **2**].

Ahero, cave near: 24 November 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 25 November 1970: Hawkins, James D.: CAS: 4 [4 - **4** - **5**].

Aitong: 17 October 1970: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Aiuumandu Hills: 8 August 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].

Akuryo waterhole, near: 24 June 1964: MCZ Paleological Expedition, The: MCZ: 16 [16 - **16**] - 16 August 1964: MCZ Paleological Expedition, The: MCZ: 6 [6 - **6** - **22**].

Alamer: 16 December 1965: Williams, John George: ROM: 2 [2 - **2** - **2**].

Amboseli: 18 August 1964: Foster, J.B.: ROM: 1 [1 - **1**] - 26 July 1965: Williams, John George: ROM: 5 [5 - **5**] - 26 February 1968: Williams, John George: AMNH: 1 [1 - **1** - **7**].

Amboseli Game Reserve: 18 July 1964: Foster, J.B.: ROM: 1 [1 - **1** - **1**].

Ami River: 1 April 1968: Curry, Noreen: ROM: 1 [1 - **1** - **1**].

Amukura: 21 March 1970: Hawkins, James D.: ROM: 12 [12 - **12** - **12**].

Amukura Mission: 25 February 1971: Hawkins, James D.: ROM: 9 [9 - **9**] - 26 February 1971: Hawkins, James D.: ROM: 1 [1 - **1**] - 13 March 1971: Hawkins, James D.: ROM: 3 [3 - **3** - **13**].

Amukura Secondary School: 26 February 1971: Hawkins, James D.: CAS: 4 [4 - **4**] - 12 March 1971: Hawkins, James D.: CAS: 1 [1 - **1** - **5**].

Arabuko-Sokoke Forest: Collection Date Unknown: : LACM: 3 [3 - **3**] - 17 May 1973: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - 6 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - 10 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - 11 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - 12 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2** - **9**].

Archer's Post: 18 July 1911: Heller, Edmund: USNM: 3 [3 - **3**] - 13 August 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 14 August 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 15 August 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 16 August 1911: Heller, Edmund: USNM: 7 [7 - **7**] - 19 August 1911: Heller, Edmund: USNM: 4 [4 - **4**] - 31 August 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 8 September 1963: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2**] - 22 December 1963: Western New Mexico University: FMNH: 4 [4 - **4**] - 27 December 1963: Hutton-Seed, R.: ROM: 1 [1]; Western New Mexico University: FMNH: 2 [2 - **3**] - 20 March 1964: Williams, John George: ROM: 3 [3 - **3**] - 21 March 1964: Williams, John George: ROM: 1 [1 - **1**] - 29 March 1964: Western New Mexico University: FMNH: 2 [2 - **2**] - 20 April 1964: Seed, Robin D.: CM: 1 [1]; Williams, John George: CM: 1, HZM: 4, ROM: 3 [8]; Williams, John George; Mumford, Russell E.: ROM: 1 [1 - **10**] - 29

December 1964: Williams, John George: ROM: 4 [4 - **4**] - 8 September 1967: Williams, John George: ROM: 2 [2 - **2**] - 21 March 1968: Williams, John George: ROM: 3 [3 - **3**] - 20 April 1969: Kyongo, Robert N.: ROM: 11 [11 - **11**] - 13 November 1970: Williams, John George: AMNH: 1 [1 - **1** - **64**].

Aruba Lodge: 11 April 1970: ?: Collector Unknown: SMF: 2 [2]; Kock, Dieter: SMF: 2 [2 - **4**] - 7 February 1971: Kock, Dieter: SMF: 1 [1 - **1** - **5**].

Athi river: 22 November 1905: Heller, Edmund: FMNH: 1 [1 - **1**] - 24 November 1905: Heller, Edmund: FMNH: 3 [3 - **3**] - 28 December 1949: Cade, C.E.: FMNH: 1 [1 - **1**] - 7 September 1950: Cade, C.E.: FMNH: 1 [1 - **1**] - 2 June 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 18 October 1962: Harrison, David Lakin: ROM: 1 [1 - **1**] - 7 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 25 July 1963: Ash, John S.: USNM: 3 [3]; Ashe, James: ROM: 3 [3]; Glover, P.E.: USNM: 1 [1 - **7**] - 17 August 1963: Ash, John S.: USNM: 2 [2]; Ashe, James: ROM: 1 [1 - **3**] - 25 August 1963: Mumford, Russell E.: ROM: 2 [2 - **2**] - 1 July 1968: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - 2 July 1968: Hayward, Bruce Joliffe: USNM: 7 [7 - **7**] - 25 April 1973: Williams, John George: ROM: 5 [5 - **5** - **37**].

Athi river: 24 August 1963: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].

Athi River Station: 24 August 1963: Ashe, James: ROM: 1 [1 - **1** - **1**].

Athi River Town, 1 mi S: 25 August 1963: Hayward, Bruce Joliffe: USNM: 3 [3 - **3** - **3**].

Athi river, 6 mi S: Collection Date Unknown: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].

Athi River, 6 mi SE: 24 June 1968: Hayward, Bruce Joliffe: USNM: 10 [10 - **10**] - 27 June 1968: Hayward, Bruce Joliffe: USNM: 9 [9 - **9** - **19**].

Athi Station: 16 November 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 25 August 1963: Mumford, Russell E.: ROM: 1 [1 - **1** - **2**].

Baharini Farm: 1 May 1972: Von Helversen, Otto: SMF: 1 [1 - **1** - **1**].

Bahati [policepost]: 18 December 1949: Schwartz, A.; Williams, John George: KU: 1 [1 - **1**] - 12 February 1950: Queeny, Edgar M.: AMNH: 9 [9 - **9** - **10**].

Barberton Cave: Collection Date Unknown: Mumford, Russell E.: USNM: 2 [2 - **2**] - 7 February 1959: Williams, J.: LACM: 1 [1 - **1**] - 18 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 25 July 1963: Mumford, Russell E.: ROM: 4, USNM: 7 [11 - **11**] - 27 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 28 July 1963: Mumford, Russell E.: USNM: 3 [3 - **3**] - 29 July 1963: Mumford, Russell E.: USNM: 2 [2 - **2**] - 3 August 1966: Williams, John George: ROM: 3 [3 - **3**] - 31 August 1966: Williams, John George: ROM: 7 [7 - **7**] - 2 September 1966: Williams, John George: ROM: 20 [20 - **20**] - 3 September 1966: Williams, John George: ROM: 4 [4 - **4**] - 11 December 1967: Williams, John George: ROM: 2 [2 - **2** - **57**].

Barberton Farm: Collection Date Unknown: Mumford, Russell E.: USNM: 2 [2 - **2**] - 25 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 26 July 1963: Mumford, Russell E.: USNM: 2 [2 - **2**] - 27 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 28 July 1963: Mumford, Russell E.: ROM: 2, USNM: 1 [3 - **3**] - 29 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 30 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 4 August 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 28 August 1965: Williams, John George: ROM: 1 [1 - **1** - **13**].

Barberton farm cave: 24 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Barberton Farm pool: 26 July 1963: Mumford, Russell E.: ROM: 3, USNM: 6 [9 - **9**] - 27 July 1963: Mumford, Russell E.: ROM: 3, USNM: 1 [4 - **4**] - 28 July 1963: Mumford, Russell E.: ROM: 2 [2 - **2** - **15**].

Baringo: 15 June 1914: Bayer: RMCA: 1 [1 - **1**] - 25 August 1968: Start, Anthony N.: WAM: 2 [2 - **2** - **3**].

Baringo, 30 mi NW: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 31 December 1912: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **2**].

Baringo, lake: Collection Date Unknown: Start, Anthony N.: BMNH: 12 [12 - **12**] - 20 June 1914: Bayer: RMCA: 2 [2 - **2**] - 14 June 1964: Williams, John George: ROM: 1 [1 - **1**] - 1 August 1964: Williams, John George: ROM: 5 [5 - **5**] - 10 August 1964: Williams, John George: ROM: 1 [1 - **1**] - 28 August 1965: Hayward, Bruce Joliffe: FMNH: 7 [7]; Mumford, Russell E.: ROM: 1 [1 - **8**] - 29 August 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 1 September 1965: Williams, John George: ROM: 4 [4 - **4**] - 3 September 1965: Williams, John George: ROM: 10 [10 - **10**] - 4 September 1965: Williams, John George: ROM: 2 [2 - **2**] - 12 January 1966: Williams, John George: ROM: 1 [1 - **1**] - 18 September 1967: Williams, A.E.: ROM: 2 [2]; Williams, John George: ROM: 1 [1 - **3**] - 19 March 1971: Williams, John George: ROM: 9 [9 - **9**] - 20 March 1971: Williams, John George: ROM: 7 [7 - **7**] - 21 March 1971: Williams, John George: ROM: 2 [2 - **2**] - 24 March 1971: Williams, John George: ROM: 1 [1 - **1** - **69**].

Base of Nguruman Escarpment, Endoposei River: 16 January 1974: Eger, Judith L.; Glen, Robert M.: ROM: 6 [6 - **6** - **6**].

Bat island: 28 April 1934: Lake Rudolf Rift Valley Expedition 1934, The: BMNH: 2 [2 - **2**] - 20 December 1964: Seed, Robin D.: WNMU: 1 [1 - **1**] - 27 December 1964: Williams, John George: ROM: 1 [1 - **1**] - 28 December 1964: Western New Mexico University: FMNH: 2 [2 - **2**] - 25 December 1965: Mumford, Russell E.: ROM: 1 [1 - **1** - **7**].

Benane: 27 June 1973: Sutton, J.: ROM: 2 [2 - **2**] - 28 June 1973: Sutton, J.: ROM: 3 [3 - **3**] - 29 June 1973: Sutton, J.: ROM: 1 [1 - **1** - **6**].

Bikobo, lava cave: 18 February 1967: Van Vegten, J.: ZMA: 2 [2 - **2** - **2**].

Bodhai: 11 March 1973: Stager, Kenneth E.: LACM: 1 [1 - **1** - **1**].

Bondo: 27 July 1966: Van Vegten, J.: ZMA: 2 [2 - **2**] - 19 August 1966: Van Vegten, J.: ZMA: 1 [1 - **1** - **3**].

Bondo, 4 mi [=6.4 km] W: 28 July 1966: Van Vegten, J.: ZMA: 1 [1 - **1** - **1**].

Boni Forest: 6 March 1973: Stager, Kenneth E.: LACM: 4 [4 - **4**] - 7 March 1973: Stager, Kenneth E.: LACM: 3 [3 - **3**] - 8 March 1973: Stager, Kenneth E.: LACM: 2 [2 - **2** - **9**].

Bowker Farm: 3 August 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Buffalo Springs Camp: 29 September 1975: : SMF: 1 [1 - **1** - **1**].

Buffalo Springs natural reserve: 28 September 1975: Kock, Dieter; Mumford, Russell E.: SMF: 1 [1 - **1**] - 31 August 1987: Schlitter, Duane Albert: CM: 4 [4 - **4**] - 2 September 1987: Schlitter, Duane Albert: CM: 4 [4 - **4** - **9**].

Bura: Collection Date Unknown: : LACM: 13 [13 - **13** - **13**].

Bushwacker's Safari Camp: Collection Date Unknown: ?: Collector Unknown: CM: 3 [3 - **3**] - 3 July 1974: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 26 April 1979: Stephan, Heinz: SMF: 2 [2 - **2**] - 23 October 1985: Schlitter, Duane Albert, *et al.*: CM: 2 [2 - **2**] - 24 October 1985: Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **1**] - 25 October 1985: Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **1**] - 27 October 1985: Schlitter, Duane Albert, *et al.*: CM: 5 [5 - **5** - **16**].

Busia: 13 February 1950: Queeny, Edgar M.: AMNH: 13 [13 - **13** - **13**].

Central [former] province: 13 August 1956: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 June 1960: ?: Collector Unknown: SMF: 4 [4 - **4**] - 22 April 1965: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 June 1968: ?: Collector Unknown: SMF: 1 [1 - **1** - **8**].

Central Elgon: 14 May 1972: Barton, Otis J.: ROM: 2 [2]; Barton, Otis J.; Barton, Miles: ROM: 12 [12 - **14**] - 15 May 1972: Barton, Otis J.; Barton, Miles: ROM: 16 [16 - **16**] - 16 May 1972: Barton, Otis J.; Barton, Miles: ROM: 36 [36 - **36**] - 17 May 1972: Barton, Otis J.: ROM: 1 [1]; Barton, Otis J.; Barton, Miles: ROM: 1 [1 - **2**] - 4 June 1972: Barton, Miles: ROM:

4 [4]; Barton, Otis J.: ROM: 23 [23 - **27**] - 8 June 1972: Barton, Otis J.: ROM: 1 [1 - **1**] - 9 June 1972: Barton, Otis J.: ROM: 14 [14 - **14**] - 11 June 1972: Barton, Otis J.: ROM: 2 [2 - **2**] - 14 June 1972: Barton, Otis J.: ROM: 32 [32 - **32** - **144**].

Central Elgon East: 14 May 1972: Barton, Otis J.; Barton, Miles: ROM: 24 [24 - **24**] - 15 May 1972: Barton, Otis J.; Barton, Miles: ROM: 1 [1 - **1**] - 16 May 1972: Barton, Otis J.; Barton, Miles: ROM: 8 [8 - **8**] - 17 May 1972: Barton, Otis J.; Barton, Miles: ROM: 2 [2 - **2** - **35**].

Central island: Collection Date Unknown: Foster, J.B.: ROM: 19 [19 - **19**] - 27 December 1964: Seed, Robin D.: SMF: 2 [2 - **2**] - 28 December 1964: Western New Mexico University: FMNH: 2 [2 - **2**] - 26 August 1965: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - 1 September 1965: Foster, J.B.: ROM: 9 [9 - **9**] - 1 October 1965: Foster, J.B.: ROM: 3 [3 - **3**] - 25 December 1965: Hutton-Seed, R.: ROM: 1 [1 - **1**] - 28 December 1965: Seed, Robin D.: WNMU: 1 [1 - **1**] - 3 March 1966: Foster, J.B.: NMK: 2, ROM: 1 [3 - **3**] - 13 August 1966: Forbes-Watson, A.D.: NMK: 1 [1 - **1**] - 30 June 1972: Horne, J.; Howell, Kim M.: BMNH: 1 [1 - **1** - **46**].

Chanler Falls [=Chandler's Falls]: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Chemilil: 1 January 1978: Hoevers, L.G.: CAS: 2 [2 - **2** - **2**].

Chep Tulel: 22 May 1962: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Cherangani: 14 May 1972: Barton, Otis J.; Barton, Miles: ROM: 13 [13 - **13** - **13**].

Cherangani Hills: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 23 December 1963: Seed, Robin D.: ROM: 1 [1 - **1**] - 11 March 1964: Mumford, Russell E.: ROM: 1 [1]; Temple, Alexander: WNMU: 1 [1 - **2**] - 11 April 1964: Williams, John George: ROM: 1 [1 - **1**] - 15 April 1964: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 25 May 1964: Temple, A.M.G.: WAM: 1 [1 - **1**] - 1 July 1965: Temple, A.M.G.: WAM: 1 [1 - **1**] - 28 October 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 31 October 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 1 November 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 2 November 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 4 February 1966: Kelly, P.J.: ROM: 1 [1 - **1**] - 9 July 1966: Kelly, P.J.: ROM: 4 [4 - **4**] - 21 October 1966: Start, J.D.: WAM: 1 [1 - **1**] - 15 August 1968: Williams, John George: ROM: 10 [10 - **10**] - 14 May 1972: Barton, Otis J.; Barton, Miles: ROM: 13 [13 - **13** - **41**].

Cherangani Mountain: Collection Date Unknown: Williams, John George; Jones, J.: ROM: 1 [1 - **1**] - 17 January 1966: Williams, John George; Jones, J.: ROM: 1 [1 - **1** - **2**].

Cherangani Mountains, Tangasia [= Tangasha] River: 23 August 1968: Williams, John George: ROM: 5 [5 - **5**] - 25 August 1968: Williams, John George: ROM: 6 [6 - **6** - **11**].

Cherangany: 11 March 1964: Western New Mexico University: FMNH: 1 [1 - **1**] - 31 July 1965: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - 1 August 1965: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - 2 August 1965: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **12**].

Chyulu Hills National Park: Collection Date Unknown: ?: Collector Unknown: SMNS: 2 [2 - **2**] - 7 May 1979: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Coast: 1 October 1964: Start, Anthony N.: WAM: 1 [1 - **1** - **1**].

Coast [former] province: Collection Date Unknown: ?: Collector Unknown: CM: 2 [2]; Roberts, J.: USNM: 1 [1 - **3**] - 17 July 1956: ?: Collector Unknown: SMF: 8 [8 - **8**] - 1 February 1958: Parker: SMF: 2 [2 - **2**] - 1 January 1962: Roberts, J.: USNM: 1 [1 - **1**] - 19 April 1965: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 June 1965: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 December 1969: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 September 1970: ?: Collector Unknown: SMF: 8 [8 - **8**] - 19 October 1970: ?: Collector Unknown: SMF: 8 [8 - **8**] - 16 May 1971: ?: Collector Unknown: SMF: 53 [53 - **53**] - 1 January 1974: ?: Collector Unknown: SMF: 2 [2 - **2**] - 2 September 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 30 July 1978: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 21 April 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 22 April 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 24 April 1979: ?: Collector Unknown: SMF: 4 [4 - **4** - **96**].

Coast province: Collection Date Unknown: Kuzmin, Ivan V.: CDC: 17 [17 - **17** - **17**].

Colobus Circuit 1: 19 September 2014: Webala, Paul W.: MMU: 3 [3 - **3** - **3**].

Daren: 24 June 1965: Starrett, Andrew: LACM: 1 [1 - **1** - **1**].

Devil's cave: 28 July 1963: Hayward, Bruce Joliffe: FMNH: 1, WNMU: 1 [2]; Mumford, Russell E.: USNM: 1 [1 - **3**] - 18 July 1965: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1** - **4**].

Diani: 15 August 1963: Mumford, Russell E.: ROM: 16, USNM: 20 [36 - **36**] - 28 August 1964: Foster, J.B.: ROM: 1 [1 - **1**] - 11 August 1966: Williams, John George: ROM: 1 [1 - **1**] - 5 March 1969: Williams: ROM: 4 [4]; Williams, A.E.: ROM: 1 [1 - **5**] - 5 November 1969: Williams: ROM: 1 [1 - **1**] - 10 July 1974: Barton, Otis J.: ROM: 13 [13 - **13**] - 9 October 1974: Barton, Otis J.: ROM: 9 [9 - **9**] - 23 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1** - **67**].

Diani Beach: 10 January 1950: Cade, C.E.: FMNH: 4 [4 - **4**] - 12 January 1950: Cade, C.E.: FMNH: 2 [2 - **2**] - 10 July 1970: Williams, John George: ROM: 1 [1 - **1**] - 8 May 1980: Van Bree, Peter Johannes Hendrikus: ZMA: 7 [7 - **7** - **14**].

Diani Beach Centre, 10 km S: 23 April 1979: Stephan, Heinz: SMF: 1 [1 - **1** - **1**].

Diani Beach, 10 km S: 24 April 1979: Stephan, Heinz: SMF: 4 [4 - **4** - **4**].

Diani cave: 15 August 1963: Mumford, Russell E.: ROM: 3 [3 - **3** - **3**].

Diani coast: 1 September 1963: ?: Collector Unknown: NMK: 2 [2 - **2** - **2**].

Diani Forest: 17 September 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - 17 October 1979: ?: Collector Unknown: ZMA: 1 [1]; Bergmans, Wim; Bergmans, E.: ZMA: 6 [6]; Smeenk, Chris: RMNH: 2 [2 - **9**] - 18 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - 19 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 5 [5]; Smeenk, Chris: RMNH: 1 [1 - **6**] - 10 December 1979: Smeenk, Chris: RMNH: 1 [1 - **1** - **18**].

Diani, Moto cave: 15 August 1963: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Diatomite mine: 10 July 1965: Williams, John George: ROM: 21 [21 - **21**] - 6 October 1985: Schlitter, Duane Albert: MCZ: 2 [2 - **2**] - 13 August 2014: Webala, Paul W.: MMU: 32 [32 - **32**] - 17 September 2014: Webala, Paul W.: MMU: 16 [16 - **16** - **71**].

Donya Sabuk [=syn Donjo Sebuk, Ol Dongo Sabuk National Park]: 12 December 1971: Benson, John: NMK: 1 [1 - **1** - **1**].

Donyo Sabuk: Collection Date Unknown: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 2 [2 - **2**] - 14 November 1963: Seed, Robin D.: WNMU: 1 [1 - **1**] - 9 October 1971: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 1 [1 - **1**] - 28 January 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 4 [4 - **4**] - 29 January 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 3 [3 - **3**] - 1 February 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 5 [5 - **5**] - 10 February 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 2 [2 - **2**] - 12 February 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 1 [1 - **1** - **19**].

Donyo Sabuk, 3.2 km SE: 27 April 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 2 [2 - **2**] - 28 April 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 39 [39 - **39** - **41**].

East Kyabe: 5 June 1909: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Eastern [former] province: Collection Date Unknown: ?: Collector Unknown: CM: 1, SMF: 1 [2]; : CM: 1 [1 - **3**] - 3 March 1970: ?: Collector Unknown: SMF: 8 [8 - **8**] - 4 March 1970: ?: Collector Unknown: SMF: 123 [123 - **123**] - 27 May 1970: ?: Collector Unknown: SMF: 8 [8 - **8**] - 28 June 1970: ?: Collector Unknown: SMF: 5 [5 - **5**] - 28 September 1970: ?: Collector Unknown: SMF: 4 [4 - **4**] - 19 October 1970: ?: Collector Unknown: SMF: 4 [4 - **4**] - 19 November 1970: ?: Collector Unknown: SMF: 9 [9 - **9**] - 23 December 1970: ?: Collector Unknown: SMF: 6 [6 - **6**] - 1 January 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 January 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 10 January 1971: ?: Collector Unknown: SMF: 12 [12 - **12**] - 21 February 1971: ?: Collector Unknown: SMF: 3 [3 - **3**] - 15 March 1971: ?: Collector Unknown: SMF: 8 [8 - **8**] - 20 March 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 April 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 April 1971: ?: Collector Unknown: SMF: 12 [12 - **12**] - 7 May 1979: ?: Collector Unknown: SMF: 4 [4 - **4**] - 17 December 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **214**].

El Molo Island: 28 April 1964: Seed, F.G.: ROM: 1 [1 - **1**] - 4 January 1965: Seed, F.G.: WNMU: 1 [1 - **1**] - 8 January 1965: Seed, F.G.: ROM: 2 [2 - **2** - **4**].

El Molo Island, E side: 8 January 1965: Western New Mexico University: FMNH: 3 [3 - **3** - **3**].

Elgon: 4 June 1972: Barton, Otis J.: ROM: 1 [1 - **1** - **1**].

Elgon cave: 15 August 1939: Schwartz, A.: KU: 1 [1 - **1** - **1**].

Elgon Caves: 1 January 1909: Akeley, Carl Ethan: AMNH: 1 [1 - **1**] - 30 November 1909: Akeley, Carl Ethan: AMNH: 3 [3 - **3** - **4**].

Elgon Forest: 13 November 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 14 November 1965: Kelly, P.J.: ROM: 2 [2 - **2**] - 15 November 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 16 November 1965: Kelly, P.J.: ROM: 4 [4 - **4**] - 17 November 1965: Kelly, P.J.: ROM: 2 [2 - **2**] - 18 November 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 22 November 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 23 November 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 24 November 1965: Kelly, P.J.: ROM: 5 [5 - **5** - **18**].

Elgon, Mount: Collection Date Unknown: Hayward, Bruce Joliffe: WNMU: 1 [1]; Kemp, Robin: BMNH: 1 [1 - **2**] - 28 July 1963: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - 18 July 1965: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - 15 July 1968: Williams, John George: ROM: 1 [1 - **1**] - 24 February 1971: Kock, Dieter: SMF: 1 [1 - **1**] - 3 June 1972: Barton, Otis J.: ROM: 8 [8]; Burton, 2: ROM: 1 [1 - **9**] - 4 June 1972: Barton, Miles: ROM: 14 [14 - **14** - **29**].

Elmenteita, near: 29 August 1949: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Embu Boma: 30 March 1961: : SMF: 1 [1 - **1** - **1**].

Endebess: 21 April 1958: Tweedie: HZM: 1 [1 - **1**] - 20 August 1967: Start, Anthony N.: BMNH: 1 [1 - **1**] - 1 January 1973: ?: Collector Unknown: ROM: 1 [1]; Glen, Robert M.: ROM: 15 [15 - **16** - **18**].

Endebess, 3 mi W: 7 August 1968: Hayward, Bruce Joliffe: USNM: 51 [51 - **51**] - 8 August 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **52**].

Endeblsa: 30 June 1963: Tweedie: USNM: 1 [1 - **1** - **1**].

Endoposei river: Collection Date Unknown: Eger, Judith L.: ROM: 1 [1 - **1**] - 16 January 1974: Eger, Judith L.: ROM: 1 [1]; Eger, Judith L.; Glen, Robert M.: ROM: 8 [8 - **9** - **10**].

Engare Narok river: 2 July 1909: Loring, John Alden: USNM: 1 [1 - **1** - **1**].

Escarpment Kampi ya Samaki: 1 July 1964: Williams, John George: ROM: 1 [1 - **1**] - 15 July 1964: Williams, John George: LACM: 1 [1 - **1** - **2**].

Euaso Nyiro: 8 August 1911: Percival, Arthur Blayney: USNM: 1 [1 - **1** - **1**].

Ewaso Ngi'ro: 18 June 1909: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 18 August 1911: Percival, Arthur Blayney: BMNH: 1 [1 - **1**] - 4 September 1911: Percival, Arthur Blayney: BMNH: 1 [1 - **1**] - 30 September 1911: Percival, Arthur Blayney: BMNH: 1 [1 - **1** - **4**].

Ferguson's Gulf: Collection Date Unknown: Horne, J.; Howell, Kim M.: BMNH: 1 [1 - **1**] - 26 September 1953: Owre, Oscar T.: AMNH: 1 [1 - **1**] - 20 April 1964: Hayward, Bruce Joliffe: CM: 4 [4 - **4**] - 27 August 1965: Hayward, Bruce Joliffe: CM: 1 [1 - **1**] - 14 June 1974: Barton, Otis J.: ROM: 7 [7 - **7**] - 1 February 1975: Aggundey, Issa R.: AMNH: 1 [1 - **1** - **15**].

Fort Hall: Collection Date Unknown: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - 25 January 1902: Hinde, Hildegarde: BMNH: 1 [1 - **1**] - 26 January 1902: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - 17 October 1902: Hinde, Hildegarde: BMNH: 1 [1 - **1**] - 1 January 1903: Hinde, Hildegarde: BMNH: 1 [1 - **1**] - 10 July 1971: ?: Collector Unknown: ROM: 1 [1 - **1** - **6**].

Fort Hall [=Muranga]: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 6 February 1902: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - 11 August 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 11 September 1909: Loring, John Alden: USNM: 4 [4 - **4**] - 12 September 1909: Loring, John Alden: USNM: 2 [2 - **2** - **9**].

Frere Town: 20 May 1918: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Galana Game Scheme [= Galana Ranch]: 15 February 1990: National Museums of Kenya, The: UWBM: 4 [4 - **4**] - 17 February 1990: National Museums of Kenya, The: UWBM: 4 [4 - **4** - **8**].

Galana Ranch: 21 July 1970: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Galana River: 1 January 1962: Touborg, Jens: MSU: 1 [1 - **1** - **1**].

Galma Galla [waterholes]: 12 August 1960: Pine, R.H.: AMNH: 6 [6 - **6** - **6**].

Galma Galla, 1 mi W: 5 August 1960: Pine, R.H.: AMNH: 1 [1 - **1**] - 9 August 1960: Pine, R.H.: AMNH: 1 [1 - **1** - **2**].

Galma Galla, 1.5 mi W: 13 June 1960: Pine, R.H.: AMNH: 3 [3 - **3** - **3**].

Gargues, mount [summit]: 26 August 1911: Heller, Edmund: USNM: 5 [5 - **5** - **5**].

Garibete Water Hole: 26 May 1964: Start, Anthony N.: SMF: 1 [1 - **1** - **1**].

Garissa: 22 January 1961: Martin, Peter: LACM: 1 [1 - **1**] - 22 May 1963: Bernard: USNM: 4 [4 - **4**] - 28 May 1963: Mumford, Russell E.: ROM: 1 [1 - **1** - **6**].

Garsen: 12 August 1967: Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].

Garsen, 6 mi E: 17 December 1962: Keith, S.: AMNH: 1 [1 - **1** - **1**].

Garsen, 8.5 km N: 30 December 1973: ?: Collector Unknown: ROM: 3 [3 - **3**] - 31 December 1973: ?: Collector Unknown: ROM: 1 [1 - **1** - **4**].

Garsen, near: 31 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1** - **1**].

Gatamayu, 2.5 km N, 0.5 km W: 3 July 2006: Agwanda, Bernard Risky: FMNH: 3 [3 - **3**] - 5 July 2006: Agwanda, Bernard Risky: FMNH: 1 [1 - **1** - **4**].

Gazi: 15 October 1975: Mumford, Russell E.: ROM: 3 [3]; Williams, John George: ROM: 2 [2 - **5** - **5**].

Gedeh: Collection Date Unknown: Ithia, Julius M.K.: LACM: 2 [2 - **2**] - 5 May 1973: Kyongo, Robert N.: LACM: 1 [1 - **1** - **3**].

Gedi: Collection Date Unknown: ?: Collector Unknown: WAM: 1 [1 - **1**] - 6 August 1967: Start, Anthony N.: WAM: 1 [1 - **1** - **2**].

Gedi National Park: Collection Date Unknown: Hinde, Sidney Langford: FMNH: 1 [1 - **1**] - 7 January 1965: Bauer, Roland G.: YPM: 8 [8 - **8**] - 1 April 1971: Rathbun, Galen B.: SMF: 1 [1 - **1** - **10**].

Gibraltar island: 2 September 1965: Williams, A.E.: ROM: 6 [6]; Williams, John George: ROM: 16 [16 - **22**] - 9 January 1966: Leakey, S.H.E.: ROM: 1 [1 - **1**] - 18 November 1970: Friedman, Ralph; Williams, John George: AMNH: 3 [3]; Williams, John George: AMNH: 2 [2 - **5** - **28**].
Gilgil: 10 July 1965: Williams, John George: ROM: 1 [1 - **1** - **1**].
Gilgil river: Collection Date Unknown: Delamere: BMNH: 1 [1 - **1** - **1**].
Gilgil, near: 26 May 1958: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].
Golbanti: 18 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Gome Maria Caves: 29 August 1965: Foster, J.B.: ROM: 2 [2 - **2** - **2**].
Governor's Camp: 6 February 1967: : SMF: 3 [3 - **3** - **3**].
Granite Hills, Mombaso Road: 31 May 1964: Williams, John George: ROM: 10 [10 - **10**] - 20 June 1965: Williams, John George: ROM: 6 [6 - **6** - **16**].
Guas Ngishu plateau: 12 November 1909: Heller, Edmund: USNM: 1 [1 - **1** - **1**].
Guaso Nyiro: Collection Date Unknown: Cosins: BMNH: 1 [1 - **1**] - 20 June 1909: Heller, Edmund: USNM: 21 [21 - **21**] - 12 July 1909: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 23 July 1909: Allen, Glover Morrill: MCZ: 4 [4 - **4**] - 1 August 1909: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - 10 July 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 5 January 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **31**].
Guaso Nyiro River: Collection Date Unknown: Williams, John George: LACM: 8 [8 - **8** - **8**].
Guaso Nyiro, above junction with Meru river: 2 August 1909: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].
Guaso Nyiro, plains: 16 July 1909: Allen, Glover Morrill: MCZ: 4 [4 - **4**] - 17 July 1909: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 19 July 1909: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **6**].
Guaso Nyro River, 10 mi SW: 29 March 1936: Christensen, Gardell D.: AMNH: 1 [1 - **1** - **1**].
Hells Gate Canyon: 30 September 1985: Schlitter, Duane Albert: CM: 1, MCZ: 1 [2]; Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **3**] - 3 October 1985: Schlitter, Duane Albert, *et al.*: CM: 2 [2 - **2** - **5**].
Hoey's bridge: Collection Date Unknown: ?: Collector Unknown: BMNH: 6 [6]; Hayward, Bruce Joliffe: USNM: 18 [18 - **24**] - 6 July 1955: Fowler, J.P.: HZM: 1 [1 - **1**] - 1 August 1963: Hayward, Bruce Joliffe: FMNH: 3, TTU: 1 [4]; Temple, A.M.G.: WAM: 1 [1 - **5**] - 2 August 1963: Nield, M.: USNM: 2 [2 - **2**] - 1 December 1963: Williams, John George: ROM: 1 [1 - **1**] - 28 March 1964: Start, Anthony N.; Temple, A.M.G.: BMNH: 1 [1 - **1**] - 27 July 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 11 August 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **36**].
Homa Bay county: 31 July 1965: Langridge, William ("Bill"): WNMU: 1 [1 - **1** - **1**].
Hunter's Lodge, near: 27 May 1965: Foster, J.B.: ROM: 2 [2 - **2**] - 10 December 1973: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1**] - 12 October 1975: Williams, John George: ROM: 3 [3 - **3** - **6**].
Ianzoni: 12 November 1982: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **1**].
Igembe: 8 August 1968: Williams, John George: ROM: 41 [41 - **41**] - 12 August 1968: Williams, John George: ROM: 6 [6 - **6**] - 30 August 1968: Williams, John George: ROM: 15 [15 - **15** - **62**].
Ijara: 23 August 1951: Perry, R.C.: BMNH: 3 [3 - **3** - **3**].
Ijara, 2.5 mi SW: 18 June 1960: Blagden, H.H.: AMNH: 1 [1 - **1** - **1**].
Ijara, 4.5 mi SW: 18 June 1960: Pine, R.H.: AMNH: 5 [5 - **5** - **5**].
Ikhondo Camp: 22 September 2014: Webala, Paul W.: MMU: 1 [1 - **1** - **1**].
Ikuywa River Bridge: Collection Date Unknown: Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **1**] - 8 November 1985: Schlitter, Duane Albert: CM: 2 [2]; Schlitter, Duane Albert, *et al.*: CM: 2 [2 - **4**] - 5 August 1987: Schlitter, Duane Albert: CM: 2, MCZ: 3 [5 - **5** - **10**].
Inyokomi: 6 December 1976: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].
Irima: 10 July 1968: Hayward, Bruce Joliffe: USNM: 20 [20 - **20** - **20**].
Isiala: 7 July 1963: Bernard: USNM: 8 [8 - **8** - **8**].
Isiola: 16 December 1940: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Isiolo: Collection Date Unknown: ?: Collector Unknown: LACM: 1, ROM: 1 [2 - **2**] - 7 June 1963: Bernard: USNM: 16 [16 - **16**] - 19 June 1963: Bernard: ROM: 2, USNM: 1 [3]; Mumford, Russell E.: ROM: 2 [2 - **5**] - 7 July 1963: Bernard: ROM: 4, USNM: 2 [6]; Hayward, Bruce Joliffe: FMNH: 4 [4]; Mumford, Russell E.: ROM: 8 [8]; Williams, John George: ROM: 5 [5 - **23**] - 22 July 1963: Bernard: USNM: 1 [1 - **1**] - 23 July 1963: ?: Collector Unknown: USNM: 1 [1]; Bernard: ROM: 2 [2 - **3**] - 25 July 1963: Bernard: ROM: 1 [1 - **1**] - 26 July 1963: Bernard: ROM: 1 [1 - **1**] - 3 November 1963: : LACM: 1 [1 - **1**] - 4 February 1973: Williams, John George: ROM: 1 [1 - **1** - **54**].
Isiolo, 15 mi N: 30 January 1965: Bauer, Roland G.: YPM: 3 [3 - **3** - **3**].
Isiolo, 18 km SE: 20 October 1976: Hutton-Seed, R.: ROM: 5 [5 - **5** - **5**].
Isiolo, 5 mi [= 8 km] SW: 27 January 1965: Bauer, Roland G.: YPM: 2 [2 - **2** - **2**].
Isiolo, 6 mi N: 25 January 1965: Bauer, Roland G.: YPM: 1 [1 - **1** - **1**].
Ithundu cave: Collection Date Unknown: ?: Collector Unknown: NMK: 6 [6 - **6**] - 19 October 1970: Sillu, David M.: RMCA: 6 [6 - **6**] - 23 December 1970: Kock, Dieter: ROM: 5 [5]; Williams, John George: ROM: 1 [1 - **6**] - 20 February 1971: Williams, John George: ROM: 4 [4 - **4**] - 1 October 1975: ?: Collector Unknown: OMNH: 1 [1]; Williams, John George; Glen, Robert M.: ROM: 2 [2 - **3** - **25**].
Jagartek and Talek rivers junction, 8 km above: 3 July 1963: Mumford, Russell E.: ROM: 2 [2 - **2** - **2**].
Jaika cave: 12 August 2014: Webala, Paul W.: MMU: 13 [13 - **13**] - 16 September 2014: Webala, Paul W.: MMU: 24 [24 - **24** - **37**].
Jula Farm: 18 May 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 24 May 1909: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **2**].
Kabarsear,ca 15 mi NNE: 23 January 1984: Cifelli, R.L.: USNM: 1 [1 - **1** - **1**].
Kabarsera: 22 January 1984: Cifelli, R.L.: USNM: 2 [2 - **2**] - 23 January 1984: Cifelli, R.L.: USNM: 24 [24 - **24** - **26**].
Kabarsera,ca 15 mi NNE: 23 January 1984: Cifelli, R.L.: USNM: 1 [1 - **1** - **1**].
Kabete: 25 October 1915: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 24 June 1956: ?: Collector Unknown: SMF: 10 [10 - **10**] - 7 July 1956: Hoogstraal, Harry H.: FMNH: 8 [8 - **8** - **19**].
Kabras Forest: 2 May 1966: Kelly, P.J.: ROM: 16 [16 - **16** - **16**].
Kaibibich: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 10 September 1968: Williams, John George: ROM: 1 [1 - **1** - **2**].
Kaiboni River: 24 August 1965: Williams, John George: ROM: 1 [1 - **1**] - 27 September 1965: Williams, John George: ROM: 2 [2 - **2** - **3**].
Kaijido district: 19 July 1964: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
Kailpos Hill: 15 July 1973: Williams, John George: ROM: 1 [1 - **1** - **1**].

Kaimosi: 9 January 1934: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 12 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 13 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 20 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 25 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 26 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 27 January 1934: Loveridge, Arthur: MCZ: 3 [3 - **3**] - 28 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 25 February 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 26 February 1934: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 27 February 1934: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 1 March 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 15 February 1971: Hawkins, James D.: CAS: 1 [1 - **1** - **18**].

Kairuni: Collection Date Unknown: Stager, Kenneth E.: LACM: 3 [3 - **3**] - 20 September 1973: Stager, Kenneth E.: LACM: 8 [8 - **8** - **11**].

Kajata area: 14 February 1972: ?: Collector Unknown: BRTC: 2 [2 - **2**] - 15 February 1972: ?: Collector Unknown: BRTC: 1 [1 - **1** - **3**].

Kakamega: 27 February 1934: Loveridge, Arthur: CM: 1 [1 - **1**] - 19 August 1958: Fleetwood, J.D.L.: HZM: 1 [1 - **1**] - 25 September 1959: Ionides, Constantine J.P.: HZM: 1 [1 - **1**] - 15 June 1963: Mumford, Russell E.: USNM: 10 [10 - **10**] - 23 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 24 October 1964: ?: Collector Unknown: CUMV: 3 [3 - **3**] - 6 August 1965: Start, Anthony N.: WAM: 3 [3 - **3** - **20**].

Kakamega district: Collection Date Unknown: ?: Collector Unknown: CM: 5 [5 - **5** - **5**].

Kakamega Forest: Collection Date Unknown: ?: Collector Unknown: HZM: 1, ROM: 3 [4]; : LACM: 7 [7]; Mumford, Russell E.: USNM: 1 [1]; Williams, John George: LACM: 2 [2 - **14**] - 10 July 1958: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 1 July 1959: Williams, John George: ROM: 1 [1 - **1**] - 8 July 1960: Williams, John George: ROM: 1 [1 - **1**] - 24 December 1962: Williams, John George: LACM: 1 [1 - **1**] - 10 June 1963: Mumford, Russell E.: ROM: 2 [2 - **2**] - 13 June 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 15 June 1963: Mumford, Russell E.: ROM: 3, USNM: 1 [4 - **4**] - 21 July 1963: Mumford, Russell E.: ROM: 1 [1]; Zimmerman, Dale Allen: ROM: 1 [1 - **2**] - 22 July 1963: Mumford, Russell E.: ROM: 3, USNM: 3 [6 - **6**] - 23 July 1963: Mumford, Russell E.: ROM: 1, USNM: 2 [3 - **3**] - 24 July 1963: Mumford, Russell E.: USNM: 2 [2 - **2**] - 1 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 10 August 1963: Williams, John George: ROM: 1 [1 - **1**] - 4 March 1967: Glen, Robert M.: ROM: 1 [1 - **1**] - 1 September 1968: Glen, Robert M.: ROM: 105 [105 - **105**] - 2 January 1971: ?: Collector Unknown: ROM: 1 [1 - **1**] - 14 January 1971: Williams, John George: ROM: 1 [1 - **1**] - 15 January 1971: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2**] - 20 January 1971: Williams, John George: ROM: 1 [1 - **1**] - 21 January 1971: Williams, John George: ROM: 2 [2 - **2**] - 22 January 1971: Williams, John George: ROM: 3 [3 - **3**] - 23 January 1971: Williams, John George: ROM: 9 [9 - **9**] - 24 January 1971: ?: Collector Unknown: ROM: 2 [2]; Williams, John George: ROM: 6 [6 - **8**] - 25 January 1971: Williams, John George: ROM: 1 [1 - **1**] - 26 January 1971: Williams, John George: ROM: 4 [4 - **4**] - 27 January 1971: Williams, John George: ROM: 10 [10 - **10**] - 28 January 1971: Williams, John George: ROM: 7 [7 - **7**] - 29 January 1971: Williams, John George: ROM: 13 [13 - **13**] - 30 January 1971: Williams, John George: ROM: 7 [7 - **7**] - 13 October 1971: Hunter, G.: ROM: 1 [1 - **1**] - 18 May 1972: Von Helversen, Otto: SMF: 1 [1 - **1**] - 23 July 1972: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - 1 January 1973: Glen, Robert M.: ROM: 21 [21 - **21**] - 10 May 1973: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 28 October 1974: Ithia, Julius M.K.: CUMV: 1 [1]; Williams, A.E.; Kyongo, Robert N.: ROM: 9 [9 - **10**] - 1 November 1974: Williams, A.E.; Kyongo, Robert N.: ROM: 2 [2 - **2**] - 4 November 1974: Williams, A.E.; Kyongo, Robert N.: ROM: 8 [8 - **8**] - 5 November 1974: Ithia, Julius M.K.: CUMV: 1 [1]; Williams, A.E.; Kyongo, Robert N.: ROM: 11 [11 - **12**] - 6 November 1974: Ithia, Julius M.K.: CUMV: 1 [1]; Williams, A.E.; Kyongo, Robert N.: ROM: 6 [6 - **7**] - 13 November 1974: Williams, A.E.; Kyongo, Robert N.: ROM: 10 [10 - **10**] - 1 January 1975: Mumford, Russell E.: ROM: 3 [3 - **3**] - 18 July 1975: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1**] - 18 November 1975: Williams, John George: AMNH: 1, ROM: 5 [6 - **6**] - 19 November 1975: Williams, John George: AMNH: 1, ROM: 7 [8 - **8**] - 20 November 1975: Williams, John George: AMNH: 1, ROM: 18 [19 - **19**] - 21 November 1975: Mumford, Russell E.: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **3**] - 22 November 1975: Williams, John George: ROM: 6 [6 - **6**] - 23 November 1975: Mumford, Russell E.: ROM: 2 [2]; Williams, John George: AMNH: 1, ROM: 2 [3 - **5**] - 3 May 1979: Stephan, Heinz: SMF: 3 [3 - **3** - **343**].

Kakamega Forest Mine: 15 June 1963: Mumford, Russell E.: ROM: 15 [15 - **15**] - 21 July 1963: Hayward, Bruce Joliffe: FMNH: 4 [4]; Mumford, Russell E.: ROM: 8 [8 - **12** - **27**].

Kakamega forest station: 24 July 1963: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - 20 June 1966: Boettcher, John W.: WNMU: 1 [1]; Western New Mexico University: FMNH: 1 [1 - **2**] - 25 June 1966: Western New Mexico University: FMNH: 1 [1 - **1**] - 1 July 1966: Western New Mexico University: FMNH: 1 [1 - **1**] - 5 November 1985: Schlitter, Duane Albert: MCZ: 2 [2]; Schlitter, Duane Albert, *et al.*: CM: 3 [3 - **5**] - 6 November 1985: Schlitter, Duane Albert: MCZ: 1 [1]; Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **2** - **14**].

Kakamega Forest Station, 1 mi NE: 22 July 1963: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - 23 July 1963: Hayward, Bruce Joliffe: FMNH: 5, TTU: 1 [6 - **6**] - 5 August 1965: Hayward, Bruce Joliffe: FMNH: 8 [8 - **8** - **18**].

Kakamega Forest Station, 4 mi E: 5 August 1965: Hayward, Bruce Joliffe: FMNH: 10 [10 - **10** - **10**].

Kakamega Forest, 12.8 km SE: 11 June 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 12 June 1963: Mumford, Russell E.: ROM: 2 [2 - **2**] - 14 June 1963: Mumford, Russell E.: USNM: 2 [2 - **2**] - 15 June 1963: ?: Collector Unknown: USNM: 1 [1]; Mumford, Russell E.: ROM: 15, USNM: 18 [33 - **34**] - 21 July 1963: Mumford, Russell E.: USNM: 8 [8 - **8**] - 23 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 20 November 1975: Mumford, Russell E.: ROM: 1 [1 - **1** - **49**].

Kakamega Forest, 8 mi [= 12.8 km] SE: 15 June 1963: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Kakamega forest, 8 mi SE: 13 June 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 16 June 1963: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2**] - 17 June 1963: Mumford, Russell E.: USNM: 1 [1 - **1** - **4**].

Kakamega, 5 km S, 16 km E: Collection Date Unknown: ?: Collector Unknown: CM: 2 [2]; Schlitter, Duane Albert: CM: 1 [1 - **3** - **3**].

Kakamega, 6 km S, 16 km E: 4 November 1985: Schlitter, Duane Albert: MCZ: 2 [2 - **2** - **2**].

Kakamege, 8 mi [= 12.8 km] S: 15 June 1963: Mumford, Russell E.: USNM: 6 [6 - **6** - **6**].

Kalama: 13 July 1968: Sillu, David M.: RMCA: 4 [4 - **4**] - 14 July 1968: Sillu, David M.: RMCA: 1 [1 - **1**] - 7 August 1968: Sillu, David M.: RMCA: 1 [1 - **1**] - 17 August 1968: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - 4 October 1973: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1** - **8**].

Kalama Hills: 20 January 1970: Kyongo, Robert N.: LACM: 16 [16 - **16** - **16**].

Kalama, Mbero Rock: 13 July 1968: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **1**].

Kalamou: 28 August 1963: Hayward, Bruce Joliffe: FMNH: 8 [8 - **8** - **8**].

Kalanzoni: 12 December 1991: Ithia, Julius M.K.: ROM: 9 [9 - **9**] - 13 December 1991: Ithia, Julius M.K.: ROM: 11 [11 - **11** - **20**].

Kalifi: 24 January 1966: Forbes-Watson, A.D.: USNM: 4 [4 - **4** - **4**].

Kalimoni: 26 August 1963: Sauvage, R.: USNM: 44 [44 - **44** - **44**].

Kalipti: Collection Date Unknown: Twomey, A.C.: AMNH: 1 [1 - **1** - **1**].

Kalonduni: 6 April 1991: Ithia, Julius M.K.: ROM: 6 [6 - **6**] - 1 July 1991: Ithia, Julius M.K.: ROM: 3 [3 - **3**] - 2 July 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **10**].

Kamama: 1 November 1965: Williams, John George: ROM: 1 [1 - **1** - **1**].

Kambiti W.H.: Collection Date Unknown: Start, P.A.N.: BMNH: 4 [4 - **4** - **4**].

Kambu: 15 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 3 [3 - **3**] - 10 November 1976: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **4**].

Kampi ya Moto: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1**] - 22 July 1967: Start, Anthony N.: WAM: 2 [2 - **2**] - 7 December 1972: Williams, John George: ROM: 7 [7 - **7** - **10**].

Kampi ya Samaki: 13 June 1964: Williams, John George: AMNH: 1 [1 - **1**] - 21 July 1964: Williams, John George: ROM: 1 [1 - **1**] - 21 July 1968: Williams, John George: ROM: 2 [2 - **2**] - 26 August 1968: Hayward, Bruce Joliffe: USNM: 6 [6 - **6**] - 27 August 1968: Hayward, Bruce Joliffe: USNM: 35 [35]; Start, Anthony N.: WAM: 1 [1 - **36**] - 9 April 1973: Hutton-Seed, R.; Williams, A.E.: ROM: 1 [1]; Williams, A.E.: ROM: 3 [3]; Williams, John George: ROM: 17 [17 - **21**] - 10 April 1973: ?: Collector Unknown: ROM: 3 [3]; Williams, John George: ROM: 3 [3 - **6**] - 11 April 1973: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 11 [11 - **12**] - 12 April 1973: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 9 [9 - **10**] - 13 April 1973: Williams, John George: ROM: 2 [2 - **2**] - 16 April 1973: Williams, John George: ROM: 2 [2 - **2**] - 17 April 1973: Williams, John George: ROM: 1 [1 - **1**] - 18 April 1973: Williams, John George: ROM: 1 [1 - **1**] - 21 April 1973: Williams, A.E.: ROM: 1 [1 - **1**] - 22 April 1973: Williams, John George: ROM: 1 [1 - **1**] - 24 April 1973: Williams, John George: ROM: 1 [1 - **1**] - 25 April 1973: Williams, John George: ROM: 2 [2 - **2**] - 26 April 1973: Williams, John George: ROM: 2 [2 - **2**] - 1 May 1973: Williams, John George: ROM: 2 [2 - **2**] - 2 May 1973: Williams, A.E.: ROM: 1 [1]; Williams, A.E.; Williams, John George: ROM: 2 [2]; Williams, John George: ROM: 15 [15 - **18**] - 3 May 1973: Williams, John George: ROM: 1 [1 - **1** - **129**].

Kampi Ya Samalei: 13 July 1964: Williams, John George: MCZ: 1 [1 - **1** - **1**].

Kampiva Samdet, near: 13 July 1964: Williams, John George: YPM: 2 [2 - **2** - **2**].

Kampy Ya Samaki, 2 mi S: 29 November 1974: Williams, A.E.: ROM: 1 [1 - **1** - **1**].

Kampy Ya Samaki, near: 26 August 1968: Hayward, Bruce Joliffe: USNM: 9 [9 - **9** - **9**].

Kamuani: 22 March 1970: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - 16 May 1975: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 12 June 1975: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 19 September 1975: Ithia, Julius M.K.: CUMV: 7 [7 - **7**] - 23 September 1975: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **11**].

Kamuani Area: 16 May 1975: Ithia, Julius M.K.: CUMV: 3 [3 - **3**] - 12 June 1975: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 18 September 1975: Ithia, Julius M.K.: CUMV: 5 [5 - **5**] - 1 June 1982: Stager, Kenneth E.: HZM: 2 [2 - **2** - **11**].

Kamuuani: 4 May 1976: Ithia, Julius M.K.: CUMV: 7 [7 - **7**] - 24 January 1977: Ithia, Julius M.K.: ROM: 5 [5 - **5**] - 2 February 1977: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 14 May 1977: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 27 May 1977: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 13 September 1977: Ithia, Julius M.K.: CUMV: 3 [3 - **3**] - 14 September 1977: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 29 December 1979: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 12 January 1983: Ithia, Julius M.K.: ROM: 5 [5 - **5**] - 5 February 1983: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 11 February 1983: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 16 August 1985: Ithia, Julius M.K.: HZM: 1 [1 - **1**] - 7 February 1986: Ithia, Julius M.K.: HZM: 1 [1 - **1**] - 1 January 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 3 April 1991: Ithia, Julius M.K.: ROM: 2 [2 - **2**] - 4 April 1991: Ithia, Julius M.K.: ROM: 8 [8 - **8**] - 6 April 1991: Ithia, Julius M.K.: ROM: 4 [4 - **4**] - 20 April 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 25 April 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 30 May 1991: Ithia, Julius M.K.: ROM: 6 [6 - **6**] - 2 June 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 16 December 1991: Ithia, Julius M.K.: ROM: 3 [3 - **3** - **56**].

Kanapoi: 21 July 1966: Tippett, M.J.: MCZ: 1 [1 - **1** - **1**].

Kanawa: 5 April 1973: Seed, Rhutton: ROM: 1 [1 - **1**] - 15 April 1973: Seed, Rhutton: ROM: 1 [1 - **1** - **2**].

Kangatet: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Kanyangaren: 4 September 1970: Aggundey, Issa R.: ZMA: 2 [2 - **2** - **2**].

Kanyangareng: Collection Date Unknown: ?: Collector Unknown: ROM: 2 [2 - **2**] - 1 June 1965: Williams, John George: ROM: 1 [1 - **1**] - 9 July 1965: Williams, John George: ROM: 14 [14 - **14**] - 8 August 1966: Williams, John George: ROM: 5 [5 - **5**] - 9 August 1966: Williams, John George: ROM: 2 [2 - **2**] - 10 August 1966: Williams, John George: ROM: 8 [8 - **8**] - 11 August 1966: Williams, John George: ROM: 5 [5 - **5**] - 8 September 1966: Williams, John George: ROM: 1 [1 - **1**] - 9 October 1966: Williams, John George: ROM: 1 [1 - **1** - **39**].

Kapenguria: Collection Date Unknown: Glen, Robert M.: ROM: 1 [1 - **1**] - 4 March 1964: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 10 March 1964: Williams, A.E.; Williams, John George: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **3**] - 18 March 1964: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 27 March 1964: Williams: ROM: 1 [1 - **1**] - 22 July 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 26 July 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 16 August 1966: Williams, John George: ROM: 1 [1 - **1**] - 17 August 1966: Williams, John George: ROM: 2 [2 - **2**] - 18 August 1966: Williams, John George: ROM: 1 [1 - **1**] - 26 August 1966: Williams, John George: ROM: 1 [1 - **1**] - 27 August 1966: Williams, John George: ROM: 1 [1 - **1**] - 8 September 1966: Williams, John George: ROM: 1 [1 - **1**] - 9 September 1966: Williams, John George: ROM: 1 [1 - **1**] - 26 September 1966: Williams, John George: ROM: 1 [1 - **1**] - 23 March 1971: Williams, John George: ROM: 2 [2 - **2**] - 1 January 1973: Glen, Robert M.: ROM: 2 [2 - **2** - **22**].

Kapolet River, Cherangani, 7: 9 July 1966: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].

Kapsaina: 24 March 1971: Williams, John George: ROM: 2 [2 - **2** - **2**].

Kapsania: 24 March 1971: : SMF: 1 [1 - **1** - **1**].

Kapseta: Collection Date Unknown: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].

Kapsowar: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].

Kaptagat: 29 December 1963: Western New Mexico University: FMNH: 2 [2 - **2**] - 2 January 1964: Williams, John George: ROM: 1 [1 - **1** - **3**].

Kaputir: 22 July 1966: Williams, John George: ROM: 2 [2 - **2** - **2**].

Karen: Collection Date Unknown: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 10 May 1960: ?: Collector Unknown: FMNH: 1, WNMU: 1 [2]; Browl, D.: MSU: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **4**] - 16 May 1960: Mumford, Russell E.: ROM: 1 [1 - **1**] - 15 November 1963: Start, Anthony N.: BMNH: 1 [1 - **1**] - 16 November 1963: Start, Anthony N.: BMNH: 1 [1 - **1**] - 17 November 1963: Start, Anthony N.: BMNH: 1 [1 - **1**] - 2 February 1964: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 1 February 1965: Start, Anthony N.: BMNH: 1, WAM: 2 [3 - **3**] - 23 June 1965: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - 29 June 1968: Hayward, Bruce Joliffe: USNM: 5 [5 - **5**] - 16 July 1968: Hayward, Bruce Joliffe: USNM: 16 [16 - **16**] - 18 July 1968: Hayward, Bruce Joliffe: USNM: 8 [8 - **8**] - 1 December 1969: Start, Anthony N.: BMNH: 1 [1 - **1**] - 6 October 1975: Williams, John George: ROM: 5 [5 - **5**] - 15 April 1979: Stephan, Heinz: SMF: 1 [1 - **1** - **53**].

Karen, 10 mi]=16 km] SW: 16 July 1968: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - 18 July 1968: Hayward, Bruce Joliffe: USNM: 25 [25 - **25** - **27**].

Karen, near: 10 May 1960: Walker, B.: CAS: 1 [1 - **1** - **1**].
Kariandusi mines: 16 January 1979: Walen, A.: ZMA: 2 [2 - **2**] - 11 August 2014: Webala, Paul W.: MMU: 31 [31 - **31**] - 15 September 2014: Webala, Paul W.: MMU: 19 [19 - **19** - **52**].
Karibiti: Collection Date Unknown: ?: Collector Unknown: CM: 4 [4]; Twomey, A.C.: CM: 3 [3 - **7** - **7**].
Karpeddo: 10 April 1973: Williams, John George: ROM: 13 [13 - **13** - **13**].
Karura Forest: 2 December 1949: Cade, C.E.: KU: 1 [1 - **1**] - 1 August 1958: Fleetwood, J.D.L.: HZM: 1 [1 - **1**] - 17 March 1967: Foster, J.B.: ROM: 1 [1 - **1**] - 20 March 1967: Foster, J.B.: ROM: 2 [2 - **2** - **5**].
Katalembo: 23 May 1909: Heller, Edmund: USNM: 1 [1 - **1** - **1**].
Kathekani: Collection Date Unknown: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].
Katilo: 20 August 1977: Weavers: BMNH: 5 [5 - **5**] - 28 August 1977: Kock, Dieter: BMNH: 1 [1 - **1** - **6**].
Katuaa Market: 10 September 1977: Ithia, Julius M.K.: CUMV: 15 [15 - **15**] - 26 April 1978: Ithia, Julius M.K.: CUMV: 14 [14 - **14** - **29**].
Kau [Osi river]: Collection Date Unknown: Fischer: ZMB: 1 [1 - **1** - **1**].
Kavirondo [Gulf]: Collection Date Unknown: Neumann: ZMB: 1 [1 - **1** - **1**].
Kavirondo Bay: 28 April 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1**] - 30 April 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **2**].
Kavirongo Gulf, S coast: Collection Date Unknown: Bell; Leakey: BMNH: 1 [1 - **1** - **1**].
Kayata area: 12 February 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 8 [8 - **8** - **8**].
Kazita River: 2 March 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1**] - 3 March 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1**] - 8 March 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **3**].
Kedong Valley: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 16 February 1963: Langridge, William ("Bill"): ROM: 1 [1 - **1**] - 1 March 1963: Mumford, Russell E.: ROM: 3 [3 - **3**] - 3 August 1963: Glover, E.C.: ROM: 1 [1]; Williams, John George: AMNH: 1 [1 - **2**] - 14 August 1963: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 18 October 1964: Williams: RMCA: 1 [1]; Williams, John George: ROM: 7 [7 - **8**] - 18 July 1965: Williams, John George: ROM: 1 [1 - **1**] - 10 August 1965: Williams, John George: ROM: 1 [1 - **1**] - 11 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 15 [15 - **15** - **37**].
Keekevok: 16 August 1965: Williams, John George: ROM: 1 [1 - **1**] - 16 September 1965: Williams, John George: ROM: 1 [1 - **1** - **2**].
Kejengole Route: 18 May 1968: Stager, Kenneth E.: LACM: 4 [4 - **4**] - 19 May 1968: Stager, Kenneth E.: LACM: 2 [2 - **2**] - 20 May 1968: Stager, Kenneth E.: LACM: 3 [3 - **3** - **9**].
Kenia Forest: 14 December 1914: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].
Kenya: 27 October 1976: Davey: HZM: 1 [1 - **1** - **1**].
Kenya, mount: 10 July 1951: Stockley, C.H.: BMNH: 1 [1 - **1** - **1**].
Kericho: 28 March 1968: Williams, A.E.: ROM: 3 [3 - **3**] - 1 April 1968: AEW (Agricultural Extension Workers): ROM: 3 [3]; Williams, John George: ROM: 2 [2 - **5** - **8**].
Kerio river: 4 June 1914: Bayer: RMCA: 24 [24 - **24** - **24**].
Kerio Suk river: 9 February 1929: Pitman, Charles Robert Senhouse: BMNH: 1 [1 - **1** - **1**].
Kerio Valley: 9 October 1963: : LACM: 2 [2 - **2** - **2**].
Keyanguli: 25 April 1967: Kayango, R.: ROM: 1 [1 - **1** - **1**].
Kiabasi: 5 May 1938: Goodwin, George G.: AMNH: 1 [1 - **1**] - 6 May 1938: Goodwin, George G.: AMNH: 2 [2 - **2**] - 9 May 1938: Goodwin, George G.: AMNH: 1 [1 - **1** - **4**].
Kiambu: 15 August 1951: Cade, C.E.: CAS: 1 [1 - **1**] - 13 August 1956: Hoogstraal, Harry H.: FMNH: 10 [10 - **10**] - 22 May 1959: Williams, J.: LACM: 1 [1 - **1**] - 26 August 1963: Mumford, Russell E.: USNM: 11 [11]; Sauvage, R.: ROM: 30 [30 - **41**] - 3 July 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 4 July 1968: Hayward, Bruce Joliffe: USNM: 7 [7 - **7** - **61**].
Kiambu, 4 mi [=6 km] NW: 20 May 1973: Hutton-Seed, R.: ROM: 1 [1 - **1**] - 30 May 1973: Hutton-Seed, R.: ROM: 2 [2 - **2**] - 31 May 1973: Hutton-Seed, R.: ROM: 1 [1 - **1**] - 4 June 1973: Hutton-Seed, R.: ROM: 1 [1 - **1** - **5**].
Kiambu, 4 mi NW: 31 May 1973: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Kiambu, near: 15 January 1952: Williams, J.C.: FMNH: 7 [7 - **7** - **7**].
Kiboboko River: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Kiboko: Collection Date Unknown: Hayward, Bruce Joliffe: USNM: 3 [3 - **3**] - 4 July 1956: : SMF: 12 [12]; Hoogstraal, Harry H.: FMNH: 1 [1 - **13**] - 23 June 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 10 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 22 August 1963: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2**] - 23 August 1963: Mumford, Russell E.: ROM: 2, USNM: 1 [3 - **3**] - 2 August 1967: Start, Anthony N.: SMF: 1 [1 - **1**] - 3 July 1968: Hayward, Bruce Joliffe: USNM: 15 [15 - **15**] - 4 July 1968: Hayward, Bruce Joliffe: USNM: 58 [58 - **58**] - 5 July 1968: Hayward, Bruce Joliffe: USNM: 8 [8 - **8**] - 6 July 1968: Hayward, Bruce Joliffe: USNM: 7 [7 - **7**] - 13 July 1968: Hayward, Bruce Joliffe: USNM: 36 [36 - **36**] - 25 September 1975: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 28 September 1975: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - 13 December 1977: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 15 December 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 16 December 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 28 August 1983: Machakos: HZM: 1 [1 - **1** - **156**].
Kiboko Campsite: 2 August 2014: Webala, Paul W.: MMU: 10 [10 - **10**] - 3 August 2014: Webala, Paul W.: MMU: 8 [8 - **8**] - 4 August 2014: Webala, Paul W.: MMU: 5 [5 - **5** - **23**].
Kiboko cave: 12 October 1975: Mumford, Russell E.: ROM: 2 [2 - **2** - **2**].
Kiboko station: 13 July 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].
Kiboko, 1 mi [= 1.6 km] E: 22 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].
Kiboko, 1 mi [= 1.6 km] W: 22 August 1963: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].
Kiboko, 10 mi [= 16 km] E: 23 August 1963: Mumford, Russell E.: ROM: 2, USNM: 4 [6 - **6** - **6**].
Kiboko, 10 mi [= 16 km] N: 23 August 1963: Hayward, Bruce Joliffe: FMNH: 4, TTU: 1 [5 - **5** - **5**].
Kiboko, 10 mi [= 16 km] S: 19 August 1963: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].
Kiboko, 10 mi [= 16 km] W: 23 August 1963: Mumford, Russell E.: USNM: 2 [2 - **2** - **2**].
Kiboko, 12 mi [= 19 km] S: 4 July 1968: Hayward, Bruce Joliffe: USNM: 36 [36 - **36** - **36**].
Kiboko, 2 mi [= 3.2 km] NW: 10 August 1963: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - 22 August 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **5**].
Kiboko, 2 mi [=3.2 km] NW: 22 August 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].
Kiboko, 3 mi [= 4.8 km] W: 20 June 1965: ?: Collector Unknown: FMNH: 1 [1]; Hayward, Bruce Joliffe: FMNH: 14 [14 - **15** - **15**].
Kiboko, 3 mi E: 10 August 1963: Mumford, Russell E.: USNM: 2 [2 - **2** - **2**].
Kiboko, 3 mi W: 10 August 1963: Mumford, Russell E.: ROM: 1, USNM: 3 [4 - **4** - **4**].
Kiboko, 4 mi [= 6.4 km] E: 22 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].

Kiboko, 5 km W: 10 August 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 22 August 1963: Mumford, Russell E.: ROM: 1 [1 - **1** - **2**].
Kibuyuni area: 6 March 1974: Ithia, Julius M.K.: CUMV: 2 [2 - **2** - **2**].
Kibwesi: Collection Date Unknown: Scheffler: ZMB: 8 [8]; Schettler: ZMB: 1 [1 - **9** - **9**].
Kibwezi: Collection Date Unknown: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - 25 January 1950: Queeny, Edgar M.: AMNH: 2 [2 - **2**] - 12 July 1968: Hayward, Bruce Joliffe: USNM: 20 [20 - **20**] - 1 October 1973: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 6 October 1973: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 28 October 1973: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 30 October 1973: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 1 November 1973: O'Shea, Thomas J.: WAM: 2 [2 - **2**] - 4 November 1973: Vaughan, Terry A.: WAM: 1 [1 - **1**] - 5 November 1973: O'Shea, Thomas J.: WAM: 2 [2 - **2**] - 6 November 1973: Vaughan, Terry A.: WAM: 1 [1 - **1**] - 18 November 1973: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 31 December 1973: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 15 March 1974: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 30 March 1974: O'Shea, Thomas J.: WAM: 2 [2 - **2**] - 22 May 1974: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 6 July 1974: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 7 July 1974: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 8 July 1974: O'Shea, Thomas J.: WAM: 2 [2 - **2**] - 9 July 1974: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 10 July 1974: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 11 July 1974: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 22 July 1974: O'Shea, Thomas J.: WAM: 1 [1 - **1**] - 10 June 1985: Ithia, Julius M.K.: ROM: 41 [41 - **41**] - 11 June 1985: Ithia, Julius M.K.: ROM: 36 [36 - **36** - **127**].
Kibwezi, 30 mi NNE: 24 January 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 25 January 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **2**].
Kibwezi, 6.5 mi N, 10.5 mi E: 7 July 1974: O'Shea, Thomas J.: NAU: 1 [1 - **1**] - 8 July 1974: O'Shea, Thomas J.: NAU: 1 [1 - **1**] - 9 July 1974: O'Shea, Thomas J.: NAU: 1 [1 - **1**] - 10 July 1974: O'Shea, Thomas J.: NAU: 2 [2 - **2**] - 11 July 1974: O'Shea, Thomas J.: NAU: 1 [1 - **1**] - 12 July 1974: O'Shea, Thomas J.: NAU: 3 [3 - **3**] - 14 July 1974: O'Shea, Thomas J.: NAU: 1 [1 - **1** - **10**].
Kibwezi, near: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1**] - 10 January 1950: Cade, C.E.: FMNH: 2 [2 - **2**] - 24 January 1950: Cade, C.E.: FMNH: 1 [1]; Queeny, Edgar M.: AMNH: 10 [10 - **11**] - 25 January 1950: Queeny, Edgar M.: AMNH: 4 [4 - **4**] - 26 January 1950: Cade, C.E.: FMNH: 1 [1 - **1**] - 4 September 1950: Cade, C.E.: FMNH: 1 [1 - **1** - **20**].
Kichaka Simba: Collection Date Unknown: Kyongo, Robert N.: LACM: 9 [9 - **9**] - 18 December 1975: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 19 December 1975: Ithia, Julius M.K.: CUMV: 6 [6 - **6** - **16**].
Kichakasimba: 18 December 1975: Ithia, Julius M.K.: CUMV: 9 [9 - **9**] - 19 December 1975: Ithia, Julius M.K.: CUMV: 5 [5 - **5** - **14**].
Kiega Hill: 10 May 1955: Dyson, W.G.: HZM: 1 [1 - **1** - **1**].
Kijabe: Collection Date Unknown: Heller, Edmund: AMNH: 1 [1 - **1**] - 12 January 1906: Heller, Edmund: AMNH: 1, FMNH: 12 [13 - **13** - **14**].
Kijabe Station: 5 June 1909: Loring, John Alden: FMNH: 2 [2 - **2** - **2**].
Kikambala: 1 January 1974: Seibt; Wickler: SMF: 2 [2 - **2** - **2**].
Kikuyu: 14 March 1934: Loveridge, Arthur: MCZ: 12, USNM: 1 [13 - **13**] - 7 March 1962: Keith, S.: AMNH: 1 [1 - **1** - **14**].
Kilaguni Lodge: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 13 May 1980: Van Bree, Peter Johannes Hendrikus: ZMA: 3 [3 - **3** - **4**].
Kilanguni: 13 April 1976: Williams, John George: ROM: 1 [1 - **1** - **1**].
Kilanguni Lodge: 24 February 1965: Seed, F.G.: WNMU: 1 [1]; Western New Mexico University: FMNH: 1 [1 - **2**] - 24 June 1965: Williams, John George: ROM: 2 [2 - **2**] - 24 July 1965: Williams, John George: ROM: 4 [4 - **4**] - 13 August 1965: Williams, John George: ROM: 1 [1 - **1**] - 28 March 1967: Williams, John George: ROM: 1 [1 - **1**] - 30 September 1967: Williams, John George: ROM: 1 [1 - **1**] - 21 July 1968: Williams, John George: ROM: 10 [10 - **10**] - 12 August 1968: Williams, John George: ROM: 1 [1 - **1** - **22**].
Kilifi: Collection Date Unknown: Start, Anthony N.: BMNH: 3 [3]; Trevor-Roper, G.D.: BMNH: 1 [1]; Williams, John George: LACM: 2 [2 - **6**] - 10 August 1953: Williams, A.E.: USNM: 1 [1 - **1**] - 20 April 1960: Walker, B.: CAS: 1 [1 - **1**] - 19 July 1962: Harrison, David Lakin: ROM: 1 [1 - **1**] - 1 August 1963: Williams, A.: ROM: 1 [1 - **1**] - 12 August 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 14 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 16 August 1963: Stout, A.: ROM: 1 [1 - **1**] - 18 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 19 August 1963: Bernard: USNM: 1 [1]; Hayward, Bruce Joliffe: FMNH: 1, WNMU: 1 [2]; Mumford, Russell E.: ROM: 3, USNM: 4 [7]; Start, Anthony N.: WAM: 1 [1 - **11**] - 20 August 1963: Local, by: ROM: 1 [1]; Mumford, Russell E.: ROM: 2, USNM: 3 [5]; Start, Anthony N.: WAM: 1 [1 - **7**] - 21 August 1963: ?: Collector Unknown: USNM: 5 [5]; Mumford, Russell E.: USNM: 1 [1]; Start, Anthony N.: WAM: 1 [1 - **7**] - 22 August 1963: Start, Anthony N.: BMNH: 1 [1 - **1**] - 27 August 1963: Start, Anthony N.: BMNH: 1 [1 - **1**] - 21 April 1964: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2**] - 1 August 1964: Start, Anthony N.: WAM: 1 [1 - **1**] - 15 March 1965: Williams, John George: ROM: 1 [1 - **1**] - 8 July 1965: Start, Anthony N.: BMNH: 9 [9 - **9**] - 1 August 1965: Williams, John George: ROM: 2 [2 - **2**] - 4 August 1965: Williams, John George: ROM: 1 [1 - **1**] - 15 August 1965: Williams, John George: ROM: 13 [13 - **13**] - 16 August 1965: Williams, John George: ROM: 8 [8 - **8**] - 17 August 1965: Williams, John George: ROM: 1 [1 - **1**] - 19 August 1965: Williams, John George: ROM: 4 [4 - **4**] - 18 April 1966: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 19 April 1966: Williams, A.E.; Williams, John George: ROM: 3 [3 - **3**] - 21 April 1966: Williams, A.E.; Williams, John George: ROM: 4 [4 - **4**] - 22 April 1966: Williams, John George: ROM: 4 [4 - **4**] - 15 August 1967: Williams, John George: ROM: 1 [1 - **1**] - 24 January 1968: Martin, P.L.; Williams, A.: LACM: 1 [1 - **1**] - 25 January 1968: Williams, A.: LACM: 2 [2 - **2**] - 3 November 1968: Lanza, Benedetto Giuseppe Antonio: MZUF: 1 [1 - **1**] - 15 August 1970: Parker: ROM: 1 [1]; Parker; Williams, A.E.: ROM: 2 [2 - **3** - **103**].
Kilifi: 19 August 1963: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].
Kilifi cave: 19 August 1963: Hayward, Bruce Joliffe: USNM: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - 20 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1** - **3**].
Kilifi Creek: 19 August 1963: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 14 July 1966: Western New Mexico University: FMNH: 3 [3 - **3**] - 16 July 1966: Western New Mexico University: FMNH: 1 [1 - **1** - **6**].
Kilifi Creek, head of: 19 August 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 11 August 1965: Hayward, Bruce Joliffe: FMNH: 15 [15 - **15**] - 17 April 1966: Williams, John George: ROM: 2 [2 - **2**] - 21 April 1966: Williams, John George: ROM: 13 [13 - **13**] - 17 July 1966: Boettcher, John W.: WNMU: 1 [1 - **1** - **32**].
Kilifi, 1 mi [= 1.6 km] N: 19 August 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 20 August 1963: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 5 August 1965: Hayward, Bruce Joliffe: USNM: 1 [1]; Williams, A.: USNM: 1 [1 - **2** - **5**].
Kilifi, 1.5 mi [= 2.4 km] N: 5 August 1965: Hayward, Bruce Joliffe: FMNH: 7 [7]; Williams, A.: USNM: 1 [1 - **8**] - 9 August 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **9**].
Kilifi, 10 km S: 12 August 1963: Mumford, Russell E.: ROM: 2 [2 - **2** - **2**].

Kilifi, 2 mi N: 16 August 1965: Hayward, Bruce Joliffe: FMNH: 10, WNMU: 1 [11 - **11** - **11**].
Kilifi, 2 mi W: 16 July 1966: Western New Mexico University: FMNH: 1 [1 - **1**] - 17 July 1966: Baettcher, J.W.: WNMU: 1 [1]; Western New Mexico University: FMNH: 2 [2 - **3**] - 18 July 1966: Western New Mexico University: FMNH: 2 [2 - **2**] - 21 July 1966: Western New Mexico University: FMNH: 1 [1 - **1**] - 23 July 1966: Western New Mexico University: FMNH: 1 [1 - **1** - **8**].
Kilifi, 5 mi W: 8 January 1965: Bauer, Roland G.: YPM: 14 [14 - **14** - **14**].
Kilifi, 6 mi S: 12 August 1963: Williams, A.: USNM: 1 [1 - **1** - **1**].
Kilifi, near: 19 August 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 20 August 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **2**].
Kilimani Estate: 30 April 1973: Williams, A.E.; Williams, John George: ROM: 6 [6 - **6**] - 10 November 1973: Williams, A.E.; Williams, John George: ROM: 9 [9 - **9** - **15**].
Kilongo Hills: 27 October 1973: Kyongo, Robert N.: CUMV: 1 [1 - **1** - **1**].
Kimakia cave: 27 September 1975: De Vree, Frits: RMCA: 2 [2 - **2** - **2**].
Kimilili, near: 9 August 1964: Jones, Theo Simpson: ROM: 19 [19 - **19** - **19**].
Kimmilli: 14 February 1969: Barton, Miles: ROM: 9 [9 - **9** - **9**].
Kinna: Collection Date Unknown: ?: Collector Unknown: CAS: 1 [1]; : LACM: 5 [5 - **6**] - 23 June 1973: Sutton, J.: ROM: 4 [4 - **4**] - 24 June 1973: Sutton, J.: ROM: 4 [4 - **4**] - 25 June 1973: Sutton, J.: ROM: 4 [4 - **4**] - 26 June 1973: Sutton, J.: ROM: 2 [2 - **2** - **20**].
Kinu: 12 April 1967: Sillu, David M.: RMCA: 1 [1 - **1**] - 11 July 1968: Sillu, David M.: RMCA: 4 [4 - **4**] - 22 July 1970: Sillu, David M.: RMCA: 6 [6 - **6** - **11**].
Kipini: 28 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 7 [7 - **7** - **7**].
Kipkabus: 20 August 1964: Robson, M.W.: WAM: 1 [1 - **1**] - 6 September 1964: Western New Mexico University: FMNH: 1 [1 - **1** - **2**].
Kiriri: 1 January 1968: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].
Kirui: 23 January 1934: Loveridge, Arthur: MCZ: 11 [11 - **11**] - 29 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1** - **12**].
Kisiaunet: 19 September 1970: : NMK: 1 [1 - **1** - **1**].
Kisii: 2 November 1970: Ingle, W.J.E.: BMNH: 1 [1 - **1**] - 25 November 1970: Hawkins, James D.: CAS: 2 [2 - **2** - **3**].
Kisii, 10 mi N: 24 November 1970: Hawkins, James D.: ROM: 13 [13 - **13** - **13**].
Kisumu: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Glen, Robert M.: ROM: 12 [12 - **13**] - 9 February 1912: Heller, Edmund: USNM: 2 [2 - **2**] - 19 February 1912: Heller, Edmund: USNM: 4 [4 - **4**] - 19 November 1922: Loveridge, Arthur: FMNH: 1, MCZ: 1 [2 - **2**] - 1 January 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 75 [75 - **75** - **96**].
Kisumu district: 19 February 1911: Heller, Edmund: USNM: 1 [1 - **1** - **1**].
Kit Mikayi: 28 September 2014: Webala, Paul W.: MMU: 8 [8 - **8** - **8**].
Kit Rawlins Farm: 3 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].
Kitale: 20 August 1954: Harper, J.: USNM: 1 [1 - **1**] - 31 December 1954: Pickford: USNM: 1 [1 - **1**] - 28 July 1963: Mumford, Russell E.: LACM: 1 [1 - **1**] - 30 July 1963: ?: Collector Unknown: WAM: 1 [1]; Hayward, Bruce Joliffe: WAM: 2 [2 - **3**] - 7 April 1964: Temple, A.M.G.: WAM: 1 [1 - **1**] - 2 August 1965: ?: Collector Unknown: WAM: 1 [1 - **1**] - 24 July 1968: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - 25 July 1968: Hayward, Bruce Joliffe: USNM: 3 [3 - **3**] - 27 July 1968: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - 1 August 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 10 August 1968: Hayward, Bruce Joliffe: USNM: 11 [11 - **11**] - 11 August 1968: Hayward, Bruce Joliffe: USNM: 7 [7 - **7**] - 13 August 1968: Hayward, Bruce Joliffe: USNM: 11 [11 - **11**] - 1 September 1968: Glen, Robert M.: ROM: 1 [1 - **1**] - 11 June 1972: Barton, Otis J.: ROM: 11 [11 - **11**] - 6 June 1974: Barton, Otis J.: ROM: 11 [11 - **11** - **68**].
Kitale area: 12 June 1972: Barton, Otis J.: ROM: 5 [5 - **5** - **5**].
Kitale Township, W of: 16 April 1969: Barton, Miles: ROM: 12 [12 - **12**] - 18 April 1969: Barton, Miles: ROM: 6 [6 - **6**] - 16 April 1970: Barton, Miles: ROM: 1 [1 - **1** - **19**].
Kitale, 10 mi [= 16 km] NE: 17 August 1968: Barton, Miles: ROM: 1 [1 - **1** - **1**].
Kitale, 12 mi W: Collection Date Unknown: Hayward, Bruce Joliffe: USNM: 12 [12 - **12**] - 10 July 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 29 July 1968: Hayward, Bruce Joliffe: USNM: 9 [9 - **9**] - 30 July 1968: Hayward, Bruce Joliffe: USNM: 48 [48 - **48**] - 1 August 1968: Hayward, Bruce Joliffe: USNM: 12 [12 - **12**] - 8 August 1968: Hayward, Bruce Joliffe: USNM: 3 [3 - **3**] - 10 August 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 13 August 1968: Hayward, Bruce Joliffe: USNM: 3 [3 - **3** - **89**].
Kitale, 14 mi [= 22.5 km] W: 25 May 1974: Barton, Otis J.: ROM: 1 [1 - **1** - **1**].
Kitale, 16 km NE: 17 August 1968: Barton, Miles: ROM: 8 [8 - **8** - **8**].
Kitale, 20 mi S: 20 August 1965: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - 22 August 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 25 August 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **5**].
Kitale, 20 mi SW: Collection Date Unknown: Hayward, Bruce Joliffe: MSB: 1 [1 - **1**] - 25 July 1963: Mumford, Russell E.: USNM: 2 [2 - **2**] - 26 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 27 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 28 July 1963: Mumford, Russell E.: USNM: 2 [2 - **2**] - 30 July 1963: Mumford, Russell E.: USNM: 4 [4 - **4**] - 4 August 1963: Middleton: USNM: 2 [2]; Mumford, Russell E.: USNM: 1 [1 - **3**] - 18 July 1965: Hayward, Bruce Joliffe: FMNH: 7 [7 - **7**] - 22 August 1965: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - 24 August 1965: Hayward, Bruce Joliffe: FMNH: 13 [13 - **13**] - 25 August 1965: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - 26 August 1965: Hayward, Bruce Joliffe: FMNH: 8 [8 - **8**] - 27 August 1965: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - 28 August 1965: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5** - **62**].
Kitale, 22 km W: 24 May 1974: Barton, Otis J.: ROM: 2 [2 - **2** - **2**].
Kitale, 22.5 km W: 24 May 1974: Barton, Otis J.: ROM: 1 [1 - **1**] - 25 May 1974: Barton, Otis J.: ROM: 10 [10 - **10** - **11**].
Kitale, 23 km W: 24 May 1974: Barton, Otis J.: ROM: 3 [3 - **3**] - 25 May 1974: Barton, Otis J.: ROM: 1 [1 - **1** - **4**].
Kitale, 24 km E: 18 June 1974: Barton, Otis J.: ROM: 17 [17 - **17** - **17**].
Kitale, 24 km from: 15 June 1972: Barton, Otis J.: ROM: 2 [2 - **2** - **2**].
Kitale, 25 mi [=40 km] NW: Collection Date Unknown: ?: Collector Unknown: CAS: 2 [2 - **2**] - 2 August 1958: ?: Collector Unknown: CAS: 3 [3 - **3**] - 27 August 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 12 August 1968: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **8**].
Kitale, 25 mi NW: 1 August 1958: Harrison, David Lakin: SMF: 2 [2 - **2** - **2**].
Kitale, 29 km SW: 31 July 1963: Nield, M.: ROM: 1 [1 - **1** - **1**].
Kitale, 48 km from: 15 June 1972: Barton, Otis J.: ROM: 5 [5 - **5** - **5**].
Kitale, 50 km from: 15 June 1972: Barton, Otis J.: ROM: 2 [2 - **2**] - 17 June 1972: Barton, Otis J.: ROM: 34 [34 - **34** - **36**].
Kitale, 7 mi E: Collection Date Unknown: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].

Kitau: 18 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Kithimani area: 15 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 2 [2 - **2**] - 18 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1** - **3**].
Kitoko River: 28 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 11 [11 - **11**] - 29 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1** - **12**].
Kitui: Collection Date Unknown: Hildebrandt, Johann Maria: ZMB: 4 [4 - **4**] - 26 November 1900: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - 3 January 1901: Hinde, Hildegarde: BMNH: 1 [1 - **1**] - 7 January 1901: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - 14 February 1901: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **8**].
Kitum cave: Collection Date Unknown: : SMF: 1 [1 - **1**] - 24 February 1971: : SMF: 4 [4 - **4** - **5**].
Kitum caves: 7 June 1972: Barton, Otis J.: ROM: 24 [24 - **24** - **24**].
Kiu: 12 January 1966: Sillu, David M.: ROM: 2 [2 - **2**] - 27 January 1966: Sillu, David M.: ROM: 3 [3 - **3**] - 23 June 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **6**].
Kiuu: 12 January 1966: Williams, John George; Sillu, David M.: ROM: 3 [3 - **3**] - 27 January 1966: Williams, John George; Glen, Robert M.: ROM: 1 [1]; Williams, John George; Sillu, David M.: ROM: 1 [1 - **2** - **5**].
Kivani: 16 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 2 [2 - **2**] - 9 January 1974: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1** - **3**].
Kivokwe Rock: 13 July 1968: Kyongo, Robert N.: LACM: 4 [4 - **4**] - 13 July 1969: Kyongo, Robert N.: LACM: 1 [1 - **1** - **5**].
Kivondo Forest: 1 March 1977: McWilliam, A.N.: BMNH: 1 [1 - **1** - **1**].
Kivumoni Forest: 15 August 1965: Corbet, Gordon B.; Ingles, Jane M.: BMNH: 1 [1 - **1** - **1**].
Kobolet river: 9 July 1966: Kelly, P.J.: ROM: 1 [1 - **1** - **1**].
Kolossia: 16 December 1965: Williams, John George: ROM: 1 [1 - **1** - **1**].
Kongelai: 22 July 1964: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2**] - 25 July 1965: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - 25 August 1965: Williams, John George: ROM: 1 [1 - **1**] - 13 December 1965: Williams, John George: ROM: 2 [2 - **2**] - 23 December 1965: Williams, John George: ROM: 2 [2 - **2**] - 25 August 1967: Start, Anthony N.: BMNH: 1 [1 - **1**] - 24 November 1975: Williams, John George: ROM: 1 [1 - **1**] - 26 November 1975: Williams: ROM: 2 [2]; Williams, John George: ROM: 11 [11 - **13**] - 27 November 1975: Williams, John George: ROM: 2 [2 - **2**] - 28 November 1975: Williams, John George: ROM: 2 [2 - **2**] - 8 January 1976: Williams, John George: ROM: 1 [1 - **1**] - 9 January 1976: Williams, John George: ROM: 3 [3 - **3** - **33**].
Kongelai Escarpment: 22 July 1964: Williams, John George: LACM: 2 [2 - **2**] - 24 July 1964: Williams, John George: ROM: 1 [1 - **1**] - 17 July 1966: Kelly, P.J.: ROM: 20 [20 - **20** - **23**].
Kongelai Escarpment, Tambala Falls: 1 July 1964: Williams, John George: ROM: 2 [2 - **2**] - 23 July 1964: Williams, John George: ROM: 2 [2 - **2**] - 24 July 1964: Williams, John George: ROM: 2 [2 - **2**] - 20 July 1965: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - 24 July 1965: Hayward, Bruce Joliffe: FMNH: 7 [7 - **7**] - 23 December 1965: Williams, John George: ROM: 1 [1 - **1** - **17**].
Kongelai, 12 mi W: Collection Date Unknown: Hayward, Bruce Joliffe: USNM: 7 [7 - **7**] - 8 August 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 10 August 1968: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **12**].
Kongelai, 3 mi S: Collection Date Unknown: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - 2 August 1968: Hayward, Bruce Joliffe: USNM: 14 [14 - **14**] - 3 August 1968: Hayward, Bruce Joliffe: USNM: 8 [8 - **8** - **26**].
Konza: 25 May 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 8 March 1979: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **2**].
Konza area: 10 May 1975: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].
Konza Farm: 8 May 1976: Ithia, Julius M.K.: CUMV: 15 [15 - **15**] - 7 February 1977: Ithia, Julius M.K.: ROM: 5 [5 - **5**] - 16 February 1980: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 11 January 1983: Ithia, Julius M.K.: ROM: 19 [19 - **19**] - 13 January 1983: Ithia, Julius M.K.: ROM: 6 [6 - **6**] - 14 January 1983: Ithia, Julius M.K.: ROM: 7 [7 - **7**] - 16 December 1991: Ithia, Julius M.K.: ROM: 19 [19 - **19** - **72**].
Konza Hill: 10 November 1976: Ithia, Julius M.K.: ROM: 2 [2 - **2** - **2**].
Koran Badas: 4 July 1965: Williams, John George: ROM: 2 [2 - **2** - **2**].
Korau: 4 July 1965: Williams, John George: ROM: 5 [5 - **5** - **5**].
Kornpuoamaki: 26 August 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].
Koru: Collection Date Unknown: ?: Collector Unknown: BMGD: 1 [1 - **1**] - 18 July 1963: Mumford, Russell E.: USNM: 3 [3 - **3**] - 31 May 1964: Start, Anthony N.: WAM: 1 [1 - **1**] - 2 June 1964: Williams, John George: ROM: 12 [12 - **12**] - 2 June 1972: Williams, John George: ROM: 6 [6 - **6** - **23**].
Koru, 10 km ENE: 18 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Koru, 3 mi N: 18 July 1963: Mumford, Russell E.: USNM: 2 [2 - **2** - **2**].
Kunumara Conference Center: 23 March 1977: Pierce, R.J.: MVZ: 2 [2 - **2** - **2**].
Kwale: 26 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 15 [15 - **15**] - 27 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 7 [7 - **7** - **22**].
Kwale district: Collection Date Unknown: ?: Collector Unknown: CM: 1, TTU: 1 [2 - **2** - **2**].
Kwale, 7 km S, 8 km W: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].
Kyabe Station: 5 June 1909: Loring, John Alden: USNM: 7 [7 - **7** - **7**].
Kyamunyu: 30 May 1974: Ithia, Julius M.K.: CUMV: 2 [2 - **2**] - 18 April 1975: Kyongo, Robert N.: CUMV: 1 [1 - **1** - **3**].
Kyamunyuu: 20 August 1968: : LACM: 1 [1 - **1**] - 10 September 1973: Eger, Judith L.; Glen, Robert M.: ROM: 1 [1 - **1**] - 5 April 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 6 April 1991: Ithia, Julius M.K.: ROM: 10 [10 - **10**] - 1 June 1991: Ithia, Julius M.K.: ROM: 6 [6 - **6**] - 2 June 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **20**].
Kyanbym: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Kyangili: 18 June 1978: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **1**].
Kyanguli: 24 March 1970: Ithia, Julius M.K.: LACM: 2 [2 - **2**] - 18 September 1975: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 19 September 1975: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 20 September 1975: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 7 March 1976: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 5 February 1983: Ithia, Julius M.K.: ROM: 3 [3 - **3**] - 6 February 1983: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 1 June 1991: Ithia, Julius M.K.: ROM: 5 [5 - **5**] - 30 June 1991: Ithia, Julius M.K.: ROM: 10 [10 - **10**] - 19 September 1991: Ithia, Julius M.K.: ROM: 3 [3 - **3**] - 21 November 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **29**].
Kyanguli area: 5 November 1974: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].
Kyengole: 3 August 1969: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - 12 August 1969: ?: Collector Unknown: LACM: 1 [1 - **1** - **2**].
Kyengole Rocks: 3 August 1969: ?: Collector Unknown: LACM: 1 [1 - **1**] - 18 May 1970: Ithia, Julius M.K.: LACM: 7 [7 - **7**] - 20 May 1970: Ithia, Julius M.K.: LACM: 9 [9 - **9** - **17**].
Laikipia ranch: 15 August 1964: Robson, M.U.; Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].

Laisam id.: 23 June 1971: Drewes, Robert C.: CAS: 1 [1 - **1** - **1**].

Lake Baringo: Collection Date Unknown: : NMK: 1 [1 - **1**] - 21 July 1964: Williams, John George: ROM: 1 [1 - **1**] - 18 November 1970: Williams, John George: AMNH: 4 [4 - **4**] - 24 March 1971: Williams, John George: ROM: 2 [2 - **2**] - 2 May 1973: Williams, John George: ROM: 1 [1 - **1** - **9**].

Lake Baringo Escarpment: 14 July 1964: Williams, John George: LACM: 3 [3 - **3** - **3**].

Lake Baringo, Escarpment: 14 July 1964: Williams, John George: ROM: 1 [1 - **1** - **1**].

Lake Bilisa: 31 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 18 [18 - **18** - **18**].

Lake Bogoria: 7 August 1968: Williams, A.E.: ROM: 2 [2 - **2** - **2**].

Lake Elementeita: 10 December 1949: Cade, C.E.: CAS: 1 [1 - **1**] - 1 June 1959: Harrison, David Lakin: ROM: 1 [1 - **1**] - 2 March 1968: Williams, John George: ROM: 1 [1 - **1**] - 7 August 1969: Kyongo, Robert N.: ROM: 1 [1]; Williams, John George; Kyongo, Robert N.: ROM: 10 [10 - **11** - **14**].

Lake Hannigton, 3 mi W: 23 August 1968: Hayward, Bruce Joliffe: USNM: 4 [4 - **4**] - 24 August 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **5**].

Lake Hannington: Collection Date Unknown: ?: Collector Unknown: WAM: 2 [2 - **2**] - 25 August 1968: Start, Anthony N.: WAM: 2 [2 - **2** - **4**].

Lake Jipe: 6 February 1966: Williams, A.: MSU: 2 [2 - **2**] - 11 July 1993: McLellan, L.J.: USNM: 5 [5 - **5** - **7**].

Lake Magadi: 27 August 1950: Cade, C.E.: FMNH: 3 [3 - **3**] - 5 February 1963: Williams, A.: ROM: 1 [1 - **1**] - 6 July 1964: Williams, John George: ROM: 1 [1 - **1**] - 31 July 1965: Hayward, Bruce Joliffe: FMNH: 1 [1]; Williams, John George: ROM: 3 [3 - **4** - **9**].

Lake Magadi, 3 mi E: 22 July 1958: Train, R.: USNM: 3 [3 - **3** - **3**].

Lake Magadi, 40 km W: 10 July 1969: Williams, John George: ROM: 2 [2 - **2** - **2**].

Lake Magadi, cave near: 24 October 1970: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].

Lake Magadi, near: 20 July 1958: Train, R.: USNM: 1 [1 - **1**] - 21 July 1958: Train, R.: USNM: 2 [2 - **2**] - 23 July 1958: Train, R.: USNM: 2 [2 - **2**] - 24 July 1958: Train, R.: USNM: 1 [1 - **1** - **6**].

Lake Naivasha: Collection Date Unknown: Mearns, Edgar Alexander: USNM: 2 [2]; Purvis, Martin: LACM: 2 [2 - **4**] - 19 October 1900: Johnston, Harry H.: BMNH: 1 [1 - **1**] - 13 July 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 18 July 1909: Heller, Edmund: USNM: 8 [8]; Loring, John Alden: USNM: 6 [6]; Mearns, Edgar Alexander: USNM: 2 [2 - **16**] - 19 July 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 20 July 1909: Heller, Edmund: USNM: 3 [3]; Loring, John Alden: USNM: 1 [1 - **4**] - 24 July 1909: Heller, Edmund: USNM: 1 [1 - **1**] - 19 August 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 15 June 1958: ?: Collector Unknown: CAS: 5 [5 - **5**] - 20 June 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 1 July 1958: Cottrell, G. William: MCZ: 11 [11 - **11**] - 11 July 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 1 August 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 4 September 1958: ?: Collector Unknown: CAS: 7 [7 - **7**] - 18 April 1963: Minter, D.M.: USNM: 6 [6 - **6**] - 24 May 1963: Minter, D.M.: USNM: 2 [2 - **2**] - 8 June 1963: Mumford, Russell E.: ROM: 32, USNM: 26 [58]; Williams, J.: USNM: 1 [1 - **59**] - 9 June 1963: Mumford, Russell E.: USNM: 1 [1]; Williams: ROM: 1 [1]; Williams, J.: USNM: 4 [4]; Williams, John George: ROM: 5 [5 - **11**] - 11 June 1963: Mumford, Russell E.: ROM: 5 [5 - **5**] - 11 July 1963: Mumford, Russell E.: ROM: 3, USNM: 7 [10 - **10**] - 25 July 1963: Ashe, James: ROM: 1 [1 - **1**] - 30 May 1964: Williams, A.E.: ROM: 1 [1]; Williams, John George: ROM: 4 [4 - **5**] - 16 June 1964: Buonajun, A.: WNMU: 1 [1 - **1**] - 20 December 1964: Start, Anthony N.; *et al.*: WAM: 1 [1 - **1**] - 4 April 1965: Williams, A.E.: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2**] - 17 July 1965: Williams, John George: ROM: 20 [20 - **20**] - 10 August 1965: Williams, John George: ROM: 2 [2 - **2**] - 9 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 3 [3 - **3**] - 11 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 2 [2 - **2**] - 9 August 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 64 [64 - **64**] - 30 June 1968: Williams, John George: ROM: 22 [22 - **22**] - 26 July 1968: Williams: ROM: 3 [3 - **3**] - 29 January 1969: Barton, Miles: ROM: 6 [6 - **6**] - 23 June 1969: Barton, Miles: ROM: 21 [21 - **21**] - 25 June 1969: Barton, Miles: ROM: 5 [5 - **5**] - 1 September 1971: Tyres, R.F.Major: WAM: 1 [1 - **1**] - 18 June 1972: Barton, Otis J.: ROM: 6 [6 - **6**] - 7 November 1973: Williams, A.E.; Williams, John George: ROM: 7 [7 - **7** - **320**].

Lake Naivasha, cave near: 18 July 1909: Loring, John Alden: USNM: 7 [7 - **7** - **7**].

Lake Naivasha, E shore: 19 June 1909: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 19 July 1909: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 21 July 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 8 June 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 11 July 1963: Hayward, Bruce Joliffe: FMNH: 9 [9]; Mumford, Russell E.: USNM: 2 [2 - **11**] - 10 July 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **16**].

Lake Naivasha, near: 6 September 1950: Cade, C.E.: FMNH: 1 [1 - **1** - **1**].

Lake Nakuru: 10 December 1970: Williams, John George: ROM: 5 [5 - **5**] - 9 March 1974: Hillenius, Dick: ZMA: 1 [1 - **1** - **6**].

Lake Paradise: Collection Date Unknown: Stager, Kenneth E.: LACM: 11 [11 - **11** - **11**].

Lake Victoria: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].

Lakiundu River: 7 July 1911: Heller, Edmund: USNM: 2 [2 - **2**] - 8 July 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 10 July 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 11 July 1911: Heller, Edmund: USNM: 5 [5 - **5**] - 12 July 1911: Heller, Edmund: USNM: 6 [6 - **6**] - 14 July 1911: Heller, Edmund: USNM: 4 [4 - **4**] - 16 July 1911: Heller, Edmund: USNM: 5 [5 - **5** - **24**].

Lamu: 18 February 1982: Walen, A.: ZMA: 1 [1 - **1** - **1**].

Lamu Island: 8 January 1934: Loveridge, Arthur: MCZ: 5 [5 - **5**] - 8 May 1934: Loveridge, Arthur: FMNH: 1, MCZ: 6 [7 - **7**] - 18 August 1949: Cade, C.E.: FMNH: 1 [1 - **1** - **13**].

Lamu Island, Southeast Coast: 7 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 8 January 1934: Loveridge, Arthur: MCZ: 3 [3 - **3**] - 7 May 1934: Loveridge, Arthur: MCZ: 5 [5 - **5**] - 8 May 1934: Loveridge, Arthur: MCZ: 2 [2 - **2** - **11**].

Lamu town, NW of: 23 October 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 18 November 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 14 December 1982: Moritz, Laura J.: MSU: 4 [4 - **4**] - 15 December 1982: Moritz, Laura J.: MSU: 2 [2 - **2**] - 16 December 1982: Moritz, Laura J.: MSU: 7 [7 - **7** - **15**].

Langata: 12 June 1958: ?: Collector Unknown: CAS: 3 [3 - **3**] - 7 September 1959: : SMF: 1 [1 - **1**] - 27 June 1963: Mumford, Russell E.: USNM: 6 [6 - **6**] - 20 October 1965: Williams, John George: ROM: 1 [1 - **1**] - 14 January 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 4 [4 - **4**] - 29 April 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 6 [6 - **6** - **21**].

Langata cemetery: 27 June 1963: Mumford, Russell E.: ROM: 9 [9 - **9** - **9**].

Langata forest: 14 September 1959: Browl, D.: MSU: 1 [1 - **1**] - 7 July 1965: Williams, John George: ROM: 1 [1 - **1**] - 26 November 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **3**].

Legatet Hill: 18 June 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 18 July 1963: Mumford, Russell E.: ROM: 15, USNM: 11 [26 - **26** - **27**].

Legatet Hill cave: 18 June 1963: Mumford, Russell E.: ROM: 9 [9 - **9**] - 18 July 1963: Hayward, Bruce Joliffe: FMNH: 11 [11]; Mumford, Russell E.: ROM: 5, USNM: 6 [11 - **22** - **31**].

Lemek hill: 9 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].
Leopard Rock Lodge: 30 January 1971: Kock, Dieter: SMF: 1 [1 - **1** - **1**].
Lesukut Island: Collection Date Unknown: ?: Collector Unknown: WAM: 1 [1 - **1**] - 29 August 1965: Start, Anthony N.: HZM: 2, SMF: 2, WAM: 1 [5 - **5** - **6**].
Limuru: 21 June 1958: ?: Collector Unknown: CAS: 11 [11 - **11** - **11**].
Limuru, near: 4 January 1962: Ferrow, D.: LACM: 5 [5 - **5** - **5**].
Lion Hill: 29 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 4 [4 - **4**] - 30 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2** - **6**].
Lion Hill cave: 5 October 1985: Nelson, Kimberlyn (Kim): MCZ: 6 [6 - **6** - **6**].
Lirandha Hill: 15 December 1956: Williams, John George: HZM: 7 [7 - **7** - **7**].
Lirhanda Cave: 20 September 2014: Webala, Paul W.: MMU: 1 [1 - **1**] - 26 September 2014: Webala, Paul W.: MMU: 17 [17 - **17** - **18**].
Lodwar: 5 October 1953: Williams, John George: AMNH: 1 [1 - **1** - **1**].
Loitokitok: 20 October 1963: Williams, J.: LACM: 1 [1 - **1** - **1**].
Loiya: 11 June 1965: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **1**].
Loiyangalani, 29 mi N: 27 October 1958: Paulson, Dennis R.: AMNH: 1 [1 - **1** - **1**].
Lokiri: 26 July 1968: Coe, Malcolm J.: BMNH: 1 [1 - **1** - **1**].
Lokori: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Londiani: Collection Date Unknown: Williams, John George: HNHM: 1 [1 - **1**] - 1 October 1959: Browl, D.: MSU: 2 [2 - **2** - **3**].
Lower Ngare Nyuki: 4 October 1911: Heller, Edmund: USNM: 11 [11 - **11** - **11**].
Loyangalani, 4 mi [= 6 km] from: 28 April 1964: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].
Lualeni Borehole: 12 February 1958: Parker, Ian: BMNH: 1 [1 - **1** - **1**].
Luazomela: 20 March 1911: ?: Collector Unknown: NRM: 1 [1 - **1** - **1**].
Lukemia Hill: 7 May 1965: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
Lukenia: 1 June 1958: ?: Collector Unknown: CAS: 2 [2 - **2**] - 5 June 1958: ?: Collector Unknown: CAS: 10 [10 - **10**] - 21 July 1963: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2**] - 29 June 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **15**].
Lukenya, mount: Collection Date Unknown: ?: Collector Unknown: WAM: 1 [1 - **1**] - 8 December 1905: Heller, Edmund: FMNH: 1 [1 - **1**] - 14 December 1905: Heller, Edmund: FMNH: 1 [1 - **1**] - 26 December 1905: Heller, Edmund: FMNH: 1 [1 - **1**] - 27 December 1905: Heller, Edmund: FMNH: 1 [1 - **1** - **5**].
Lukore: Collection Date Unknown: Ithia, Julius M.K.: LACM: 4 [4 - **4**] - 23 February 1982: Walen, A.: ZMA: 2 [2 - **2** - **6**].
Lukore area: 22 February 1974: Ithia, Julius M.K.: CUMV: 2 [2 - **2**] - 24 February 1974: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 26 February 1974: Ithia, Julius M.K.: CUMV: 2 [2 - **2**] - 27 February 1974: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 9 November 1974: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 24 July 1976: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 2 December 1979: Kyongo, Robert N.: RMNH: 1 [1 - **1** - **9**].
Lumbwa: 12 September 1965: Williams, John George: ROM: 1 [1 - **1** - **1**].
Lutore forest: 11 February 1969: Williams, A.E.: ROM: 1 [1 - **1**] - 13 February 1969: Williams: ROM: 5 [5 - **5**] - 8 July 1978: Williams: ROM: 1 [1 - **1** - **7**].
Machakos: 1 June 1951: Cade, C.E.: CAS: 1 [1 - **1**] - 1 November 1963: : LACM: 1 [1 - **1**] - 1 June 1965: Williams, John George: ROM: 1 [1 - **1**] - 28 February 1973: Williams, John George: ROM: 1 [1 - **1**] - 30 March 1973: Williams, John George: ROM: 4 [4 - **4**] - 31 March 1973: Williams, John George: ROM: 1 [1 - **1**] - 6 April 1973: Williams, John George: ROM: 1 [1 - **1**] - 9 January 1974: Eger, Judith L.; Glen, Robert M.: ROM: 6 [6 - **6** - **16**].
Machakos district: Collection Date Unknown: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - 11 July 1901: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - 14 July 1968: Sillu, David M.: RMCA: 2 [2 - **2** - **4**].
Machakos, 15 mi [= 24 km] SE: 3 July 1965: Williams, John George: ROM: 6 [6 - **6**] - 10 July 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **7**].
Machakos, 15 mi SW: 10 July 1965: Hayward, Bruce Joliffe: WNMU: 3 [3 - **3** - **3**].
Machakos, near: 26 November 1949: Cade, C.E.: FMNH: 1 [1 - **1**] - 27 November 1949: Cade, C.E.: FMNH: 2 [2 - **2**] - 7 December 1949: Cade, C.E.: KU: 1 [1 - **1** - **4**].
Magadi: 2 July 1964: Williams, John George: ROM: 1 [1 - **1**] - 3 July 1964: Williams, John George: ROM: 1 [1 - **1**] - 1 June 1965: Williams, John George: ROM: 1 [1 - **1**] - 15 June 1965: Hayward, Bruce Joliffe: FMNH: 1, WNMU: 1 [2 - **2**] - 17 June 1965: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 6 July 1973: Sutton, J.: ROM: 3 [3 - **3**] - 8 July 1973: Sutton, J.: ROM: 3 [3 - **3**] - 10 July 1973: Sutton, J.: ROM: 2 [2 - **2** - **14**].
Magadi, near: 14 September 1958: ?: Collector Unknown: CAS: 2 [2 - **2** - **2**].
Magwagwa Beach: 23 November 1987: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Mahiakalo Cave: 25 September 2014: Webala, Paul W.: MMU: 26 [26 - **26** - **26**].
Maji Mota: 24 August 1968: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - 25 August 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **3**].
Maji Moto: 23 August 1968: Hayward, Bruce Joliffe: USNM: 11 [11 - **11**] - 24 August 1968: Hayward, Bruce Joliffe: USNM: 24 [24 - **24**] - 25 August 1968: Hayward, Bruce Joliffe: USNM: 24 [24 - **24** - **59**].
Maji Moto, 3 mi W: 23 August 1968: Hayward, Bruce Joliffe; Harrington, L.: USNM: 1 [1 - **1** - **1**].
Makalia Falls: 26 January 1976: Schwan, Tom G.: AMNH: 1 [1 - **1** - **1**].
Makandara Forest: 16 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 4 [4 - **4**] - 17 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2**] - 24 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - 25 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 5 [5 - **5**] - 26 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 4 [4 - **4** - **16**].
Makandara picnic site: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1**] - 13 October 1985: Nelson, Kimberlyn (Kim): MCZ: 8 [8 - **8**] - 14 October 1985: Schlitter, Duane Albert: MCZ: 2 [2]; Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **3**] - 15 October 1985: Nelson, Kimberlyn (Kim): AMNH: 1, MCZ: 1 [2]; Schlitter, Duane Albert, *et al.*: CM: 4 [4 - **6**] - 16 October 1985: Nelson, Kimberlyn (Kim): MCZ: 2 [2 - **2**] - 18 August 1987: Schlitter, Duane Albert: CM: 2 [2 - **2** - **22**].
Makere: 12 December 1962: Keith, S.: AMNH: 3 [3 - **3**] - 13 December 1962: Keith, S.: AMNH: 4 [4 - **4** - **7**].
Makindu: 28 December 1970: Williams, John George: ROM: 1 [1 - **1**] - 29 December 1970: ?: Collector Unknown: ROM: 2 [2 - **2**] - 27 April 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 2 [2 - **2**] - 12 October 1975: Williams, John George: ROM: 1 [1 - **1**] - 31 December 1984: Ithia, Julius M.K.: ROM: 31 [31 - **31**] - 12 February 1985: Ithia, Julius M.K.: CUMV: 7 [7 - **7**] - 13 February 1985: Ithia, Julius M.K.: CUMV: 2 [2 - **2**] - 18 March 1985: Ithia, Julius M.K.: CUMV: 10 [10 - **10**] - 19 March 1985: Ithia, Julius M.K.: CUMV: 8 [8 - **8**] - 20 March 1985: Ithia, Julius M.K.: CUMV: 10 [10 - **10** - **74**].
Makindu cave: 12 October 1975: Mumford, Russell E.: ROM: 9 [9 - **9** - **9**].

Makindu River: 28 December 1970: Williams, John George: ROM: 4 [4 - **4**] - 29 December 1970: Williams, John George: ROM: 4 [4 - **4**] - 29 December 1971: Williams, John George: ROM: 1 [1 - **1** - **9**].
Makindu, 13 km NW: 28 April 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 3 [3 - **3** - **3**].
Makindu, 16 km NW: 28 April 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 4 [4 - **4** - **4**].
Makindu, 19 km W: 1 January 1968: Williams, John George: ROM: 14 [14 - **14**] - 27 April 1972: Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 24 [24 - **24** - **38**].
Makindu, 35 km E: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Makindu, Upper cave: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Makoyeti Gorge: 22 July 1965: Williams, John George: ROM: 1 [1 - **1** - **1**].
Makueni Loc.: 15 November 1969: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **1**].
Malikisi River, Malikisi Caves: 16 May 1972: Barton, Otis J.; Barton, Miles: ROM: 25 [25 - **25** - **25**].
Malindi: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1]; Muir, G.J.: BMNH: 1 [1]; Percival, Arthur Blayney: BMNH: 1 [1]; Wells, A.A.: CM: 2 [2 - **5**] - 18 December 1954: Fowler, J.P.: USNM: 1 [1 - **1**] - 17 August 1960: Pine, R.H.: AMNH: 18 [18 - **18**] - 28 December 1964: Williams, John George: ROM: 1 [1 - **1**] - 2 August 1967: Barton, Miles: ROM: 3 [3 - **3**] - 4 August 1967: Barton, Miles: ROM: 1 [1 - **1**] - 17 September 1976: Ash, John S.: USNM: 1 [1 - **1** - **30**].
Malindi, 30 mi N: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 13 August 1967: Start, Anthony N.: BMNH: 7 [7 - **7** - **8**].
Malindi, ca 19 km from: 4 August 1967: Barton, Miles: ROM: 4 [4 - **4**] - 6 August 1967: Barton, Miles: ROM: 8 [8 - **8** - **12**].
Manda island: Collection Date Unknown: Voeltzkow, Alfred: ZMB: 1 [1 - **1** - **1**].
Maningi: 28 June 1963: Mumford, Russell E.: ROM: 3, USNM: 1 [4 - **4** - **4**].
Mara River: Collection Date Unknown: ?: Collector Unknown: ROM: 4 [4]; Queeny, Edgar M.: AMNH: 3 [3 - **7**] - 10 January 1950: Queeny, Edgar M.: AMNH: 8 [8 - **8**] - 11 January 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 5 February 1967: Williams, John George: ROM: 3 [3 - **3**] - 6 February 1967: ?: Collector Unknown: SMF: 1 [1 - **1**] - 10 February 1973: Williams, John George: ROM: 1 [1 - **1** - **21**].
Maragat, 15 mi [= 24 km] N: 26 August 1968: Hayward, Bruce Joliffe: USNM: 15 [15 - **15**] - 27 August 1968: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **19**].
Maragoro: 11 January 1918: Loveridge, Arthur: AMNH: 1 [1 - **1** - **1**].
Mard River: 6 February 1967: Williams, John George: ROM: 1 [1 - **1** - **1**].
Marigat: 26 August 1968: Hayward, Bruce Joliffe: USNM: 3 [3 - **3**] - 3 May 1973: Williams, John George: ROM: 1 [1 - **1**] - 3 October 1973: Hutton-Seed, R.; Williams, A.E.: ROM: 1 [1 - **1**] - 26 November 1974: Williams, A.E.: ROM: 11 [11 - **11**] - 28 November 1974: Williams, A.E.: ROM: 9 [9 - **9** - **25**].
Marigat, Perakera River: 3 March 1973: Williams, John George: ROM: 1 [1 - **1**] - 3 May 1973: Williams, John George: ROM: 8 [8 - **8**] - 3 May 1974: Hutton-Seed, R.; Williams, A.E.: ROM: 1 [1 - **1**] - 28 November 1974: Williams, A.E.: ROM: 3 [3 - **3** - **13**].
Markwijit: 24 March 1971: Williams, John George: ROM: 1 [1 - **1**] - 25 March 1971: Williams, John George: ROM: 2 [2 - **2**] - 26 March 1971: Williams, John George: ROM: 1 [1 - **1** - **4**].
Markwijt: 25 March 1971: Williams, John George: ROM: 4 [4 - **4**] - 29 March 1971: Williams, John George: ROM: 1 [1 - **1** - **5**].
Marsabit mountain: 27 February 1964: Williams, John George: YPM: 1 [1 - **1** - **1**].
Marsabit road: Collection Date Unknown: Heller, Edmund: USNM: 1 [1 - **1**] - 20 July 1911: Heller, Edmund: USNM: 4 [4 - **4**] - 26 July 1911: Heller, Edmund: USNM: 3 [3 - **3**] - 28 July 1911: Heller, Edmund: USNM: 4 [4 - **4**] - 31 July 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 4 August 1911: Heller, Edmund: USNM: 2 [2 - **2** - **15**].
Marun River: 10 September 1968: Williams, John George: ROM: 1 [1 - **1** - **1**].
Masabubu: Collection Date Unknown: Pine, R.H.: AMNH: 6 [6 - **6**] - 21 June 1960: Barrington, F.M.; Pine, R.H.: CM: 1 [1]; Pine, R.H.: AMNH: 2 [2 - **3**] - 25 June 1960: Pine, R.H.: AMNH: 1 [1 - **1**] - 26 June 1960: Pine, R.H.: AMNH: 1 [1 - **1**] - 27 June 1960: Pine, R.H.: AMNH: 3 [3 - **3**] - 28 June 1960: Blagden, H.H.: AMNH: 1 [1 - **1**] - 29 June 1960: Pine, R.H.: AMNH: 2 [2 - **2**] - 30 June 1960: Pine, R.H.: AMNH: 1 [1 - **1** - **18**].
Masabubu, 0.5 mi E: 22 June 1960: Blagden, H.H.: AMNH: 7 [7]; Pine, R.H.: AMNH: 14 [14 - **21**] - 23 June 1960: Blagden, H.H.: AMNH: 5 [5 - **5**] - 24 June 1960: Blagden, H.H.: AMNH: 6 [6 - **6** - **32**].
Masabubu, 0.5 mi. N-NE: 21 June 1960: Pine, R.H.: AMNH: 1 [1 - **1** - **1**].
Masabubu, 1.5 mi E: 23 June 1960: Blagden, H.H.: CM: 1 [1 - **1** - **1**].
Masai Mara-NP: Collection Date Unknown: Bankovics, A.: HNHM: 1 [1 - **1** - **1**].
Masailand: 1 January 1889: Fischer: RMNH: 1 [1 - **1** - **1**].
Masol Location: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 3 July 1966: Williams, John George: ROM: 4 [4 - **4**] - 4 July 1966: Williams, John George: ROM: 3 [3 - **3**] - 7 July 1966: Williams, John George: ROM: 4 [4 - **4**] - 17 September 1966: Williams, John George: ROM: 1 [1 - **1** - **13**].
Mathaiga: 20 November 1963: Seed, Robin D.: WNMU: 1 [1 - **1** - **1**].
Matondoni: 16 December 1982: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].
Mau Forest: 16 July 1963: Mumford, Russell E.: USNM: 2 [2 - **2** - **2**].
Mau Mau cave: 11 August 2014: Webala, Paul W.: MMU: 28 [28 - **28** - **28**].
Maungu: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1]; Hutton-Seed, R.: ROM: 1 [1 - **2**] - 24 March 1897: Britton, C.S.: BMNH: 1 [1 - **1**] - 10 May 1973: Hutton-Seed, R.; Williams, A.E.: ROM: 5 [5 - **5**] - 11 May 1973: ?: Collector Unknown: ROM: 1 [1]; Hutton-Seed, R.; Williams, A.E.: ROM: 7 [7 - **8**] - 12 May 1973: Seed, R.H.; Williams, A.: ROM: 2 [2]; Williams, John George: ROM: 2 [2 - **4**] - 13 May 1973: Williams, A.E.; Williams, John George: ROM: 4 [4 - **4**] - 1 October 1976: Hutton-Seed, R.: ROM: 2 [2 - **2**] - 21 October 1976: Hutton-Seed, R.: ROM: 1 [1 - **1**] - 27 October 1976: Hutton-Seed, R.: ROM: 1 [1 - **1**] - 30 October 1976: Hutton-Seed, R.: ROM: 2 [2 - **2**] - 21 November 1976: Hutton-Seed, R.: ROM: 3 [3 - **3**] - 22 November 1976: Hutton-Seed, R.: ROM: 4 [4 - **4** - **37**].
Maungu [= Marungu]: Collection Date Unknown: ?: Collector Unknown: ROM: 2 [2 - **2** - **2**].
Maungu Hill: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 15 March 1973: Hutton-Seed, R.: ROM: 5 [5]; Seed, Rhutton: ROM: 2 [2 - **7**] - 29 March 1973: Hutton-Seed, R.: ROM: 2 [2 - **2**] - 2 April 1973: Hutton-Seed, R.: ROM: 2 [2 - **2**] - 3 April 1973: Hutton-Seed, R.: ROM: 1 [1 - **1**] - 7 April 1973: Hutton-Seed, R.: ROM: 3 [3 - **3**] - 10 May 1973: Hutton-Seed, R.; Williams, A.E.: ROM: 7 [7 - **7**] - 11 May 1973: Hutton-Seed, R.; Williams, A.E.: ROM: 8 [8 - **8**] - 12 May 1973: Hutton-Seed, R.; Williams, A.E.: ROM: 2 [2 - **2** - **33**].
Maweni River: 15 August 1965: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **2**].
Mazeras: 2 July 1910: Kemp, Robin; Rudd, C.D.: BMNH: 3 [3 - **3**] - 10 July 1910: Kemp, Robin; Rudd, C.D.: BMNH: 1 [1 - **1**] - 11 July 1910: Kemp, Robin; Rudd, C.D.: BMNH: 1 [1 - **1**] - 27 December 1911: Heller, Edmund: USNM: 3 [3 - **3** - **8**].

Mbebo Hill: 3 August 1974: Ithia, Julius M.K.: ROM: 7 [7 - **7**] - 11 November 1976: Ithia, Julius M.K.: ROM: 15 [15 - **15**] - 17 January 1977: Ithia, Julius M.K.: ROM: 5 [5 - **5**] - 6 February 1983: Ithia, Julius M.K.: ROM: 2 [2 - **2** - **29**].
Mbero: Collection Date Unknown: Kyongo, Robert N.: LACM: 1 [1 - **1** - **1**].
Mbero area: Collection Date Unknown: Ithia, Julius M.K.: LACM: 2 [2 - **2**] - 15 January 1970: Ithia, Julius M.K.: LACM: 7 [7 - **7**] - 17 January 1970: Ithia, Julius M.K.: LACM: 11 [11 - **11**] - 18 January 1970: Ithia, Julius M.K.: LACM: 5 [5 - **5** - **25**].
Mbero Rock: 13 July 1968: Ithia, Julius M.K.: LACM: 4 [4 - **4**] - 7 August 1968: Kyongo, Robert N.: LACM: 1 [1 - **1**] - 17 August 1968: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - 12 September 1968: ?: Collector Unknown: LACM: 1 [1 - **1**] - 13 September 1968: ?: Collector Unknown: LACM: 4 [4]; Ithia, Julius M.K.: LACM: 1 [1 - **5**] - 14 September 1968: ?: Collector Unknown: LACM: 1 [1 - **1**] - 15 September 1968: ?: Collector Unknown: LACM: 4 [4]; Ithia, Julius M.K.: LACM: 2 [2 - **6**] - 12 July 1969: Kyongo, Robert N.: LACM: 1 [1 - **1**] - 13 July 1969: Kyongo, Robert N.: LACM: 2 [2 - **2**] - 15 July 1969: Kyongo, Robert N.: LACM: 2 [2 - **2**] - 13 September 1969: ?: Collector Unknown: LACM: 4 [4 - **4**] - 15 September 1969: ?: Collector Unknown: LACM: 2 [2]; Ithia, Julius M.K.: LACM: 2 [2 - **4**] - 19 September 1969: Kyongo, Robert N.: LACM: 2 [2 - **2**] - 14 September 1999: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **35**].
Mbero Rocks: 12 July 1968: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - 7 August 1968: Kyongo, Robert N.: LACM: 2 [2 - **2**] - 15 September 1968: Ithia, Julius M.K.: LACM: 1 [1 - **1**] - 23 January 1970: Kyongo, Robert N.: LACM: 2 [2 - **2**] - 25 January 1970: Kyongo, Robert N.: LACM: 3 [3 - **3**] - 26 January 1970: Kyongo, Robert N.: LACM: 1 [1 - **1**] - 21 May 1970: Ithia, Julius M.K.: LACM: 6 [6 - **6** - **16**].
Mbeva Hill: 6 September 1979: Ithia, Julius M.K.: LACM: 18 [18 - **18** - **18**].
Mbevo Hills: 17 April 1976: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 5 May 1976: Ithia, Julius M.K.: CUMV: 22 [22 - **22**] - 18 February 1978: Ithia, Julius M.K.: CUMV: 7 [7 - **7**] - 6 January 1980: Ithia, Julius M.K.: CUMV: 8 [8 - **8**] - 7 January 1980: Ithia, Julius M.K.: CUMV: 13 [13 - **13**] - 12 July 1982: Ithia, Julius M.K.: LACM: 12 [12 - **12**] - 6 February 1983: Ithia, Julius M.K.: ROM: 9 [9 - **9**] - 15 November 1984: Ithia, Julius M.K.: ROM: 16 [16 - **16**] - 1 January 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 19 October 1991: Ithia, Julius M.K.: ROM: 7 [7 - **7**] - 20 October 1991: Ithia, Julius M.K.: ROM: 6 [6 - **6**] - 21 October 1991: Ithia, Julius M.K.: ROM: 4 [4 - **4**] - 10 November 1991: Ithia, Julius M.K.: ROM: 5 [5 - **5** - **111**].
Mbeyo Hill, near machakos: 6 September 1979: Ithia, Julius M.K.: LACM: 7 [7 - **7** - **7**].
Mbololo, mount: 23 April 1934: Loveridge, Arthur: CM: 1, MCZ: 7 [8 - **8**] - 22 June 1934: Loveridge, Arthur: MCZ: 1 [1 - **1** - **9**].
Mbondoni: 9 November 1973: Kyongo, Robert N.: CUMV: 1 [1 - **1**] - 10 November 1973: Kyongo, Robert N.: CUMV: 1 [1 - **1** - **2**].
Menengai: Collection Date Unknown: Walen, A.: ZMB: 1 [1 - **1**] - 18 June 1963: ?: Collector Unknown: USNM: 1 [1]; Mumford, Russell E.: USNM: 2 [2 - **3**] - 7 January 1965: Barley, Alen H.: BMNH: 1 [1 - **1**] - 22 January 1979: Walen, A.: ZMA: 1 [1 - **1** - **6**].
Menengai Caldera: 23 January 1979: Walen, A.: ZMA: 1 [1 - **1** - **1**].
Menengai Crater: 8 June 1948: Hoogstraal, Harry H.: FMNH: 17, USNM: 1 [18]; Hoogstraal, Harry H.; *et al*.: FMNH: 36 [36]; Hoogstraal, Harry H.; Alison, R.: USNM: 2 [2]; Hoogstraal, Harry H.; Alison, R.; Evans, C.: USNM: 35 [35 - **91**] - 7 June 1963: Williams, J.: USNM: 1 [1 - **1**] - 18 June 1963: Hayward, Bruce Joliffe: FMNH: 4 [4]; Mumford, Russell E.: USNM: 1 [1]; Williams, J.: USNM: 3 [3 - **8**] - 3 August 1963: Hayward, Bruce Joliffe: FMNH: 4 [4]; Mumford, Russell E.: ROM: 1 [1 - **5**] - 31 August 1965: Hayward, Bruce Joliffe: FMNH: 3 [3]; Start, Anthony N.: BMNH: 10 [10 - **13**] - 23 July 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 22 July 1972: Barton, Otis J.: ROM: 58 [58 - **58**] - 24 October 1974: Williams, A.E.: ROM: 6 [6]; Williams, A.E.; Kyongo, Robert N.: ROM: 9 [9 - **15**] - 22 January 1979: Walen, A.: ZMA: 4 [4 - **4**] - 23 January 1979: Walen, A.: ZMA: 2 [2 - **2** - **198**].
Menengai Crater, cave at S rim: 31 August 1965: Hayward, Bruce Joliffe; Start, Anthony N.: FMNH: 2 [2 - **2** - **2**].
Menengai Crater, Mengengai cave: 28 July 1958: Rawlins, K.: MCZ: 6 [6 - **6**] - 6 June 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 8 June 1963: Mumford, Russell E.: USNM: 6 [6 - **6**] - 9 June 1963: Mumford, Russell E.: ROM: 1, USNM: 4 [5 - **5**] - 18 June 1963: Hayward, Bruce Joliffe: FMNH: 1 [1]; Mumford, Russell E.: ROM: 12, USNM: 9 [21 - **22**] - 3 August 1963: Mumford, Russell E.: ROM: 2, USNM: 5 [7 - **7**] - 22 July 1968: Hayward, Bruce Joliffe: USNM: 29 [29 - **29**] - 23 July 1968: Hayward, Bruce Joliffe: USNM: 11 [11 - **11**] - 5 October 1975: Mumford, Russell E.: ROM: 1 [1 - **1** - **88**].
Menengai Crater, wall: Collection Date Unknown: Rawlins, N.: LACM: 1 [1 - **1** - **1**].
Merelle Water: 22 July 1911: Heller, Edmund: USNM: 1 [1 - **1** - **1**].
Meru: 1 August 1909: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 30 July 1968: Williams, John George: ROM: 1 [1 - **1** - **2**].
Meru River: 6 August 1909: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 7 August 1909: Allen, Glover Morrill: AMNH: 1, MCZ: 4 [5 - **5**] - 11 August 1909: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **7**].
Mida: 12 May 1973: Kithia, J. M.: LACM: 1 [1]; Kyongo, Robert N.: LACM: 1 [1 - **2** - **2**].
Mitunbur: 11 December 1965: Williams, John George: ROM: 7 [7 - **7** - **7**].
Mkanda River: Collection Date Unknown: Ithia, Julius M.K.: LACM: 5 [5 - **5** - **5**].
Mkonumbi: 29 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Moana Marine Station: 18 October 1985: Nelson, Kimberlyn (Kim): MCZ: 15 [15]; Schlitter, Duane Albert: CM: 3 [3 - **18** - **18**].
Moane: Collection Date Unknown: Schlitter, Duane Albert: CM: 5 [5 - **5** - **5**].
Moctow, 50 mi S [=Maktau, 50 mi S]: 27 May 1938: Goodwin, George G.: AMNH: 1 [1 - **1** - **1**].
Mogotio, 3 mi [= 4.8 km] N: 22 August 1968: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **4**].
Mole: 14 August 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].
Molo: 16 February 1949: Cade, C.E.: FMNH: 2 [2 - **2**] - 10 September 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 7 October 1963: : LACM: 1 [1 - **1**] - 15 July 1967: Start, Anthony N.: WAM: 1 [1 - **1**] - 10 May 1972: Williams, John George: ROM: 1 [1 - **1** - **6**].
Molo river: Collection Date Unknown: Start, Anthony N.: BMNH: 1 [1 - **1**] - 22 July 1958: Greenberg, Stuart N.: CAS: 1 [1 - **1**] - 1 December 1974: Williams, A.E.: ROM: 31 [31 - **31** - **33**].
Molo, 4 mi [=6.4 km] E: 17 August 1968: Hayward, Bruce Joliffe: USNM: 2 [2 - **2**] - 21 August 1968: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **7**].
Mombas [=Mombassa]: Collection Date Unknown: Hildebrandt, Johann Maria: ZMB: 9 [9]; Hirsch, U.: ZMB: 1 [1 - **10** - **10**].
Mombasa: Collection Date Unknown: ?: Collector Unknown: BMNH: 8, MNHN: 4 [12]; Loveridge, Arthur: MCZ: 1 [1 - **13**] - 26 September 1909: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 20 May 1918: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 30 May 1918: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 26 March 1926: Chapin, James Paul: AMNH: 2 [2 - **2**] - 19 October 1949: Cade, C.E.: FMNH: 2 [2 - **2**] - 19 October 1964: Foster, J.B.: ROM: 3 [3 - **3**] - 26 October 1964: Foster, J.B.: ROM: 1 [1 - **1**] - 20 January 1965: : SMF: 350 [350 - **350** - **374**].
Mombasa, 12.8 km S: 1 September 1964: Foster, J.B.: ROM: 1 [1 - **1**] - 10 September 1966: Foster, J.B.: ROM: 1 [1 - **1** - **2**].
Mombasa, 13 km S: 1 September 1964: Foster, J.B.: ROM: 1 [1 - **1** - **1**].
Mombasa, 22 mi N: 18 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1** - **1**].

Mombasa, 6.4 km S: Collection Date Unknown: Foster, J.B.: ROM: 1 [1 - **1**] - 14 September 1964: Foster, J.B.: ROM: 2 [2 - **2** - **3**].
Mombasa, 8 km S: Collection Date Unknown: Foster, J.B.: ROM: 1 [1 - **1**] - 1 September 1964: Foster, J.B.: ROM: 3 [3 - **3** - **4**].
Mombasa, 8 mi S: 1 September 1964: Foster, J.B.: ROM: 3 [3 - **3** - **3**].
Mombasa, cave near: 1 January 1962: Roberts, J.: USNM: 1 [1 - **1**] - 1 January 1963: Roberts, J.: USNM: 5 [5 - **5**] - 11 June 1964: Roberts: USNM: 2 [2]; Roberts, J.: USNM: 12 [12 - **14** - **20**].
Mombasa, S of: Collection Date Unknown: Foster, J.B.: ROM: 1 [1 - **1**] - 27 May 1964: Roberts: USNM: 1 [1 - **1** - **2**].
Mombasa, well S: 11 June 1964: Roberts, J.: USNM: 1 [1 - **1** - **1**].
Mombassa: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 20 May 1918: Loveridge, Arthur; Swaythling, Ld.: BMNH: 1 [1 - **1**] - 20 January 1965: Currie, Rolla Patterson: SMF: 1 [1 - **1** - **4**].
Morok River: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 10 November 1974: Williams, A.E.: ROM: 8 [8 - **8**] - 11 November 1974: Williams, A.E.: ROM: 11 [11 - **11** - **20**].
Moto cave: 25 July 1963: Granger, Walter: ROM: 3, USNM: 9 [12 - **12**] - 15 August 1963: Hayward, Bruce Joliffe: FMNH: 19 [19 - **19**] - 10 July 1970: Williams, John George: ROM: 1 [1 - **1** - **32**].
Mount Elgon: 4 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 23 January 1934: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 24 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 4 February 1934: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 5 February 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 20 October 1965: Kelly, P.J.: ROM: 19 [19 - **19**] - 23 February 1966: Kelly, P.J.: ROM: 3 [3 - **3**] - 20 April 1968: Barton, Miles: ROM: 6 [6 - **6**] - 2 February 1969: Barton, Miles: ROM: 12 [12 - **12**] - 16 April 1969: Barton, Miles: ROM: 1 [1 - **1**] - 20 April 1969: Barton, Miles: ROM: 8 [8 - **8**] - 23 April 1969: Barton, Miles: ROM: 1 [1 - **1**] - 24 April 1969: Barton, Miles: ROM: 5 [5 - **5**] - 17 August 1970: Barton, Otis J.: ROM: 1 [1 - **1**] - 17 May 1972: Barton, Otis J.: ROM: 20 [20 - **20**] - 18 May 1972: Barton, Otis J.: ROM: 12 [12 - **12**] - 19 June 1972: Barton, Otis J.: ROM: 2 [2 - **2**] - 6 July 1972: Barton, Otis J.: ROM: 1 [1 - **1**] - 11 July 1972: Barton, Otis J.: ROM: 8 [8 - **8**] - 6 June 1974: Barton, Otis J.: ROM: 1 [1 - **1**] - 29 June 1974: Barton, Otis J.: ROM: 27 [27 - **27**] - 19 September 1987: Loveridge, Arthur: MCZ: 1 [1 - **1** - **135**].
Mount Elgon Caves: 18 September 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 20 October 1965: Kelly, P.J.: ROM: 38 [38 - **38**] - 22 November 1965: Kelly, P.J.: ROM: 1 [1 - **1** - **40**].
Mount Elgon, E face: 14 April 1967: Barton, Miles: ROM: 1 [1 - **1**] - 16 April 1967: Barton, Miles: ROM: 7 [7 - **7**] - 18 April 1967: Barton, Miles: ROM: 8 [8 - **8**] - 19 April 1967: Barton, Miles: ROM: 2 [2 - **2**] - 20 April 1967: Barton, Miles: ROM: 1 [1 - **1**] - 25 April 1967: Barton, Miles: ROM: 1 [1 - **1**] - 21 August 1967: Barton, Miles: ROM: 4 [4 - **4**] - 28 August 1967: Barton, Miles: ROM: 9, SAMA: 1 [10 - **10**] - 30 July 1968: Barton, Miles: ROM: 2 [2 - **2**] - 14 August 1968: Barton, Miles: ROM: 9 [9 - **9**] - 15 August 1968: Barton, Miles: ROM: 10 [10 - **10**] - 18 August 1968: Barton, Miles: ROM: 1 [1 - **1**] - 20 January 1969: Barton, Miles: ROM: 2 [2 - **2**] - 2 February 1969: Barton, Miles: ROM: 13 [13 - **13**] - 6 February 1969: Barton, Miles: ROM: 3 [3 - **3**] - 8 February 1969: Barton, Miles: ROM: 4 [4 - **4**] - 18 June 1969: Barton, Miles: ROM: 19 [19 - **19**] - 20 June 1969: Barton, Miles: ROM: 49 [49 - **49**] - 21 June 1969: Barton, Miles: ROM: 4 [4 - **4** - **150**].
Mount Elgon, S face: 4 August 1965: Kelly, P.J.: ROM: 26 [26 - **26** - **26**].
Mount Kenya, W side: 27 August 1909: Heller, Edmund: USNM: 1 [1 - **1**] - 2 December 1957: : SMF: 1 [1 - **1** - **2**].
Mount Loldiani: 9 September 1963: Start, Anthony N.: WAM: 1 [1 - **1** - **1**].
Mount Lolokwi: 22 September 1911: Heller, Edmund: USNM: 3 [3 - **3** - **3**].
Mount Marsabit: 27 February 1964: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 29 February 1964: Williams, A.E.; Williams, John George: ROM: 5 [5 - **5** - **6**].
Mount Menengai: 8 June 1948: Hoogstraal, Harry H.: FMNH: 21 [21]; Hoogstraal, Harry H.; *et al.*: FMNH: 20 [20 - **41**] - 8 August 1948: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **42**].
Mount Nasolot, near: 20 June 1974: Barton, Otis J.: ROM: 20 [20 - **20** - **20**].
Mount Nyiro: 4 June 1968: Stager, Kenneth E.: LACM: 1 [1 - **1** - **1**].
Mount Nyiru: 12 June 1974: Barton, Otis J.: ROM: 11 [11 - **11** - **11**].
Mount Ololdiani: 9 September 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 16 June 1964: Western New Mexico University: FMNH: 1 [1 - **1**] - 16 November 1964: Western New Mexico University: FMNH: 1 [1 - **1** - **3**].
Mount Suswa: 16 February 1963: Langridge, William ("Bill"): USNM: 3 [3 - **3**] - 20 March 1963: Langridge, William ("Bill"): USNM: 2 [2 - **2**] - 31 March 1963: ?: Collector Unknown: USNM: 4 [4]; Mumford, Russell E.: USNM: 1 [1 - **5**] - 5 August 1963: Glover, E.C.: ROM: 1 [1 - **1**] - 22 March 1964: Simons, J.W.: FMNH: 6 [6 - **6**] - 18 October 1964: Start, Anthony N.: WAM: 3, WNMU: 1 [4]; Williams, A.: MCZ: 1 [1]; Williams, A.E.: ROM: 1 [1 - **6**] - 15 March 1966: Barton, Miles: ROM: 1 [1 - **1**] - 1 January 1967: Hamilton, William J.: MVZ: 1 [1 - **1**] - 11 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 11 [11 - **11**] - 20 February 1971: Williams, John George: ROM: 2 [2 - **2**] - 27 June 1972: Barton, Otis J.: ROM: 40 [40 - **40**] - 20 May 1987: Walen, A.: ZMA: 1 [1 - **1**] - 22 July 1987: Walen, A.: ZMA: 1 [1 - **1** - **80**].
Mount Suswa cave: 16 February 1963: Langridge, William ("Bill"): USNM: 1 [1 - **1**] - 1 March 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 4 April 1963: Mumford, Russell E.: USNM: 2 [2 - **2**] - 3 August 1963: Glover, E.C.: USNM: 3 [3]; Hayward, Bruce Joliffe: FMNH: 1 [1 - **4**] - 5 August 1963: Glover, E.C.: ROM: 6, USNM: 3 [9]; Glover, P.E.: USNM: 5 [5]; Hayward, Bruce Joliffe: FMNH: 4, TTU: 1 [5]; Mumford, Russell E.: USNM: 1 [1 - **20**] - 10 October 1964: Start, Anthony N.: FMNH: 1 [1 - **1**] - 18 October 1964: Williams, A.: USNM: 3 [3]; Williams, John George: ROM: 1 [1 - **4**] - 20 May 1987: Walen, A.: ZMA: 2 [2 - **2**] - 22 January 1988: Walen, A.: ZMA: 34 [34 - **34** - **69**].
Mout Elgon: Collection Date Unknown: Kemp, A.C.: BMNH: 1 [1 - **1** - **1**].
Mpala Research Center: 4 April 1996: Takata, Steve: MVZ: 1 [1 - **1** - **1**].
Mrima Hill: 22 November 1987: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Msambweni: 23 November 1987: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Mt Elgon foothills, Barberton farm: 1 July 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 25 July 1963: Hayward, Bruce Joliffe: FMNH: 13 [13]; Mumford, Russell E.: ROM: 2 [2 - **15**] - 26 July 1963: Hayward, Bruce Joliffe: FMNH: 6 [6]; Mumford, Russell E.: ROM: 1 [1 - **7**] - 27 July 1963: Hayward, Bruce Joliffe: FMNH: 6 [6]; Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **8**] - 28 July 1963: Hayward, Bruce Joliffe: FMNH: 12 [12]; Mumford, Russell E.: ROM: 1 [1 - **13**] - 29 July 1963: Hayward, Bruce Joliffe: FMNH: 2 [2]; Mumford, Russell E.: USNM: 1 [1 - **3**] - 30 July 1963: Hayward, Bruce Joliffe: FMNH: 9 [9]; Mumford, Russell E.: ROM: 4, USNM: 2 [6 - **15**] - 31 July 1963: Hayward, Bruce Joliffe: FMNH: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - 18 July 1965: Hayward, Bruce Joliffe: FMNH: 7 [7 - **7** - **71**].
Mt. Elgon: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Mt. Elgon-NP, Chepnyalil Cave: 26 January 1992: Merkl, O.: HNHM: 5 [5 - **5** - **5**].
Mtembur: 24 July 1966: Williams, John George: ROM: 2 [2 - **2** - **2**].
Mtito Andei: 8 April 1911: Heller, Edmund: FMNH: 1, USNM: 16 [17 - **17**] - 18 January 1966: Williams, John George: ROM: 1 [1 - **1**] - 19 January 1966: Williams, John George: ROM: 2 [2 - **2**] - 25 March 1968: ?: Collector Unknown: ROM: 1 [1];

Williams, John George: ROM: 2 [2 - **3**] - 7 July 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 8 July 1968: Hayward, Bruce Joliffe: USNM: 49 [49 - **49**] - 9 July 1968: Hayward, Bruce Joliffe: USNM: 38 [38 - **38**] - 9 July 1969: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **115**].

Mtito Andei, near: 18 February 1968: Williams, John George: AMNH: 9 [9 - **9** - **9**].

Mtito, Andei, 4 mi N: 8 July 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **1**].

Mukanda Bridge: 26 February 1982: Walen, A.: ZMA: 2 [2 - **2** - **2**].

Mukanda one cave: 26 July 1976: Ithia, Julius M.K.: ROM: 7 [7 - **7** - **7**].

Mukanda river: 9 February 1969: Williams, John George: ROM: 4 [4 - **4**] - 17 February 1969: Williams, John George: ROM: 1 [1 - **1**] - 18 February 1969: Williams, John George: ROM: 1 [1 - **1**] - 5 March 1969: Williams, John George: ROM: 1 [1 - **1**] - 9 March 1969: Williams, John George: ROM: 1 [1 - **1**] - 18 December 1975: Ithia, Julius M.K.: CUMV: 3 [3 - **3**] - 19 December 1975: Ithia, Julius M.K.: CUMV: 3 [3 - **3**] - 20 December 1975: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 23 May 1977: Kyongo, Robert N.: RMNH: 7 [7 - **7**] - 24 May 1977: Kyongo, Robert N.: RMNH: 9 [9 - **9**] - 27 May 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 30 May 1977: Kyongo, Robert N.: RMNH: 11 [11 - **11**] - 1 June 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 25 July 1978: Kyongo, Robert N.: RMNH: 3 [3 - **3**] - 25 October 1979: Smeenk, Chris: RMNH: 1 [1 - **1**] - 26 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 3 [3 - **3** - **51**].

Mukanda river, near bridge 2: 26 February 1982: Walen, A.: ZMA: 5 [5 - **5** - **5**].

Mukanda Stream: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 26 October 1974: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 27 October 1974: Ithia, Julius M.K.: ROM: 4 [4 - **4**] - 28 October 1974: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 3 November 1974: Ithia, Julius M.K.: ROM: 2 [2 - **2**] - 2 January 1975: Ithia, Julius M.K.: ROM: 3 [3 - **3**] - 3 January 1975: Ithia, Julius M.K.: ROM: 34 [34 - **34**] - 18 December 1975: Ithia, Julius M.K.: CUMV: 9 [9 - **9**] - 19 December 1975: Ithia, Julius M.K.: CUMV: 10 [10 - **10**] - 23 July 1976: Ithia, Julius M.K.: ROM: 19 [19 - **19**] - 24 July 1976: Ithia, Julius M.K.: ROM: 14 [14 - **14**] - 26 July 1976: Ithia, Julius M.K.: ROM: 4 [4 - **4** - **102**].

Mukangu Village: 24 September 2014: Webala, Paul W.: MMU: 7 [7 - **7** - **7**].

Mumandu Hill: 18 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 29 [29 - **29** - **29**].

Mumias: 2 January 1910: Kemp, Robin; Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

Mungokho Village: 19 September 2014: Webala, Paul W.: MMU: 1 [1 - **1** - **1**].

Muranga: Collection Date Unknown: Hinde, Sidney Langford: BMNH: 3 [3 - **3**] - 20 November 1902: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - 18 April 1903: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - 12 June 1903: Hinde, Sidney Langford: BMNH: 1 [1 - **1**] - 20 June 1903: Hinde, Sidney Langford: BMNH: 1 [1 - **1** - **7**].

Murka mine: 25 August 1965: Williams, John George: ROM: 7 [7 - **7**] - 26 August 1965: Grainger, W.E.: ROM: 2 [2]; Granger, W.E.: WAM: 1 [1]; Hayward, Bruce Joliffe: FMNH: 8 [8 - **11** - **18**].

Murri: Collection Date Unknown: Battersby, Jessamy C.: BMNH: 1 [1 - **1** - **1**].

Muthaiga: 20 November 1963: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].

Muumandu: 11 November 1965: Foster, J.B.: ROM: 1 [1 - **1**] - 18 November 1965: Foster, J.B.: ROM: 1 [1 - **1**] - 2 February 1966: Sillu, David M.: RMCA: 2 [2 - **2**] - 2 March 1966: Sillu, David M.: UMMZ: 1 [1 - **1**] - 12 February 1967: Sillu, David M.: ROM: 9 [9 - **9**] - 22 August 1967: Sillu, David M.: RMCA: 2 [2 - **2**] - 12 May 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 26 November 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 27 November 1977: Kyongo, Robert N.: RMNH: 4 [4 - **4**] - 28 November 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 29 November 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 21 June 1978: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 27 October 1979: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 11 April 1980: Ithia, Julius M.K.: RMNH: 1 [1 - **1**] - 26 March 1982: Stager, Kenneth E.: HZM: 2 [2 - **2**] - 26 March 1984: Ithia, Julius M.K.: ROM: 12 [12 - **12**] - 27 March 1984: Ithia, Julius M.K.: ROM: 3 [3 - **3**] - 12 April 1984: Ithia, Julius M.K.: ROM: 15 [15 - **15**] - 23 August 1984: Ithia, Julius M.K.: ROM: 2 [2 - **2**] - 24 August 1984: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 25 August 1984: Ithia, Julius M.K.: ROM: 3 [3 - **3**] - 6 August 1985: Ithia, Julius M.K.: HZM: 1 [1 - **1**] - 2 June 1991: Ithia, Julius M.K.: ROM: 3 [3 - **3**] - 10 November 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1** - **70**].

Muumandu Hill: 16 April 1984: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 17 April 1984: Ithia, Julius M.K.: ROM: 5 [5 - **5**] - 18 April 1984: Ithia, Julius M.K.: ROM: 2 [2 - **2**] - 13 October 1984: Ithia, Julius M.K.: ROM: 6 [6 - **6** - **14**].

Muumandu Market: 22 June 1984: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 21 August 1984: Ithia, Julius M.K.: ROM: 6 [6 - **6**] - 20 November 1991: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 16 December 1991: Ithia, Julius M.K.: ROM: 21 [21 - **21**] - 17 December 1991: Ithia, Julius M.K.: ROM: 8 [8 - **8**] - 20 December 1991: Ithia, Julius M.K.: ROM: 10 [10 - **10** - **47**].

Mwapewa caves: 5 March 1969: Williams: ROM: 3 [3 - **3** - **3**].

Mweiga, 10 mi NW: 20 January 1965: Bauer, Roland G.: YPM: 2 [2 - **2** - **2**].

Mwele Forest: 12 October 1985: Nelson, Kimberlyn (Kim): MCZ: 2 [2 - **2** - **2**].

Mweru River: 7 August 1909: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - 11 August 1909: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 17 August 1909: Allen, Glover Morrill: MCZ: 5 [5 - **5** - **8**].

Mwingi: 11 April 1972: Kyongo, Robert N.: LACM: 1 [1 - **1** - **1**].

Mwingi, 10 mi. E: 29 July 1960: Pine, R.H.: AMNH: 6 [6 - **6** - **6**].

Mzima Springs: 10 April 1967: Coe, Malcolm J.: ROM: 1 [1 - **1** - **1**].

Naibei's Great Cave: 13 December 1970: Mutuku Mutinga, John: SMF: 1 [1 - **1**] - 16 December 1970: Mutuku Mutinga, John: SMF: 1 [1 - **1**] - 17 May 1971: Mutuku Mutinga, John: SMF: 1 [1 - **1** - **3**].

Nairobi: Collection Date Unknown: ?: Collector Unknown: CAS: 1, MNHN: 1 [2]; Purvis, Martin: LACM: 1 [1]; Smith, David C.: YPM: 5 [5 - **8**] - 23 April 1903: Thomas, Felix: NMW: 1 [1 - **1**] - 31 March 1909: Heller, Edmund: USNM: 1 [1 - **1**] - 31 May 1909: Heller, Edmund: USNM: 2 [2]; Loring, John Alden: USNM: 1 [1 - **3**] - 1 June 1909: Mearns, Edgar Alexander: USNM: 4 [4 - **4**] - 2 June 1909: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 5 June 1909: Loring, John Alden: USNM: 10 [10 - **10**] - 3 September 1909: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 9 November 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 19 November 1909: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 1 June 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 7 June 1948: Mumford, Russell E.: USNM: 2 [2 - **2**] - 27 April 1953: ?: Collector Unknown: CAS: 1 [1 - **1**] - 31 August 1954: Fowler, J.P.: USNM: 1 [1 - **1**] - 24 June 1956: ?: Collector Unknown: SMF: 2 [2 - **2**] - 7 February 1957: ?: Collector Unknown: ROM: 1 [1 - **1**] - 7 December 1957: Foster, J.B.; Bateman, R.M.: ROM: 3 [3 - **3**] - 30 May 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 12 June 1958: ?: Collector Unknown: CAS: 5 [5 - **5**] - 18 June 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 18 August 1958: ?: Collector Unknown: CAS: 1 [1]; Greenberg, Stuart N.: CAS: 1 [1 - **2**] - 12 May 1959: : SMF: 1 [1]; Harrison, David Lakin: HNHM: 1 [1]; Williams, John George: LACM: 1 [1 - **3**] - 23 January 1961: Walker, B.: CAS: 1 [1 - **1**] - 23 September 1961: Williams, L.: SMF: 2 [2 - **2**] - 7 January 1962: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 1 January 1963: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2**] - 16 April 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 7 June 1963: ?: Collector Unknown: USNM: 1 [1]; Mumford, Russell E.: ROM: 24, USNM: 20 [44 - **45**] - 15 June 1963: Mumford, Russell E.: USNM: 2 [2 - **2**] - 21 June 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 10 August 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] -

26 August 1963: Hayward, Bruce Joliffe: FMNH: 3 [3]; Sauvage, R.: USNM: 1 [1 - **4**] - 28 August 1963: Hayward, Bruce Joliffe: FMNH: 1, WNMU: 1 [2 - **2**] - 28 September 1963: Stevenson, A.: ROM: 1 [1 - **1**] - 16 November 1963: ?: Collector Unknown: WAM: 1 [1 - **1**] - 25 January 1964: Williams, A.: LACM: 1 [1 - **1**] - 1 February 1964: Start, Anthony N.: WAM: 1 [1 - **1**] - 2 February 1964: Foster, J.B.: ROM: 1 [1 - **1**] - 8 April 1964: ?: Collector Unknown: ROM: 2 [2 - **2**] - 7 May 1964: Foster, J.B.: ROM: 1 [1 - **1**] - 27 January 1965: Start, Anthony N.: WAM: 1 [1 - **1**] - 1 February 1965: Start, Anthony N.: WAM: 1 [1 - **1**] - 23 March 1965: Williams, John George: ROM: 5 [5 - **5**] - 10 May 1965: Foster, J.B.: ROM: 1 [1 - **1**] - 21 June 1965: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - 17 May 1969: Kirkham; Williams, A.E.: ROM: 3 [3 - **3**] - 8 September 1970: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 17 April 1973: Williams, John George: ROM: 1 [1 - **1**] - 19 April 1973: Williams, John George: ROM: 5 [5 - **5**] - 20 April 1973: ?: Collector Unknown: ROM: 2 [2]; Williams, John George: ROM: 4 [4 - **6**] - 25 April 1973: ?: Collector Unknown: ROM: 1 [1 - **1**] - 28 April 1973: Williams, John George: ROM: 3 [3 - **3**] - 23 September 1975: Mumford, Russell E.: ROM: 1 [1 - **1**] - 25 September 1975: Mumford, Russell E.: ROM: 1 [1 - **1**] - 29 September 1975: Williams, John George: ROM: 1 [1 - **1**] - 30 September 1975: Williams, John George: ROM: 1 [1 - **1**] - 2 March 1976: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **160**].

Nairobi Area: 12 January 1958: ?: Collector Unknown: SMF: 1 [1 - **1**] - 26 October 1961: ?: Collector Unknown: SMF: 3 [3 - **3**] - 28 January 1967: Sillu, David M.: ROM: 1 [1 - **1**] - 1 February 1967: Sillu, David M.: ROM: 1 [1 - **1**] - 16 November 1970: ?: Collector Unknown: SMF: 1 [1 - **1**] - 23 November 1970: ?: Collector Unknown: SMF: 1 [1 - **1**] - 14 April 1979: ?: Collector Unknown: SMF: 2 [2 - **2**] - 15 April 1979: ?: Collector Unknown: SMF: 1 [1 - **1** - **11**].

Nairobi province: 3 June 1963: Williams, J.: USNM: 1 [1 - **1**] - 12 June 1963: Mumford, Russell E.: USNM: 2 [2 - **2** - **3**].

Nairobi River: Collection Date Unknown: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].

Nairobi Station: 31 August 1909: Mearns, Edgar Alexander: USNM: 2 [2 - **2** - **2**].

Nairobi, 10 mi [= 16 km] below: 7 December 1949: Cade, C.E.: FMNH: 2 [2 - **2**] - 15 December 1949: Cade, C.E.: FMNH: 1 [1 - **1**] - 16 December 1949: Cade, C.E.: FMNH: 1 [1 - **1**] - 21 September 1950: Cade, C.E.: FMNH: 4 [4 - **4** - **8**].

Nairobi, 30 mi [= 48 km] E: 13 March 1968: Williams, John George: ROM: 44 [44 - **44**] - 17 March 1968: Williams, John George: ROM: 5 [5 - **5** - **49**].

Nairobi, 6 mi N: 27 May 1966: Hartman, D.S.: CUMV: 1 [1 - **1** - **1**].

Nairobi-Mombassa road, mile 96 [= km 154]: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Naivasha: 5 August 1909: Loring, John Alden: USNM: 3 [3 - **3**] - 10 August 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 24 May 1963: Minter, D.M.: ROM: 1 [1 - **1**] - 18 June 1972: Barton, Otis J.: ROM: 4 [4 - **4**] - 1 July 1972: Barton: ROM: 8 [8]; Barton, Otis J.: ROM: 2 [2 - **10** - **19**].

Naivasha Station: 5 August 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 7 August 1909: Loring, John Alden: USNM: 6 [6 - **6**] - 9 August 1909: Loring, John Alden: FMNH: 1 [1 - **1**] - 10 August 1909: Loring, John Alden: USNM: 3 [3 - **3** - **11**].

Naivasha, 10 mi [=16 km] W: 23 June 1968: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **5**].

Naivasha, 2 mi [= 3.2 km] SE: 16 June 1964: Western New Mexico University: FMNH: 1 [1 - **1**] - 10 June 1965: ?: Collector Unknown: FMNH: 2 [2]; Hayward, Bruce Joliffe: FMNH: 20, WNMU: 1 [21 - **23**] - 11 June 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 10 July 1965: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1** - **26**].

Naivasha, 24 km E: 8 June 1974: Barton, Otis J.: ROM: 8 [8 - **8**] - 9 June 1974: Barton, Otis J.: ROM: 3 [3 - **3** - **11**].

Naivasha, 35 km E: 7 June 1974: Barton, Otis J.: ROM: 9 [9 - **9** - **9**].

Naivasha, 35.4 km E: 7 June 1974: Barton, Otis J.: ROM: 15 [15 - **15** - **15**].

Naivasha, 7 mi [=11 km] SE: 11 June 1965: Hayward, Bruce Joliffe: FMNH: 9 [9 - **9**] - 13 June 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **10**].

Nakuchett: Collection Date Unknown: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 4 August 1968: Hayward, Bruce Joliffe: USNM: 5 [5 - **5** - **6**].

Nakuru: Collection Date Unknown: ?: Collector Unknown: CAS: 2 [2]; Harrison, David Lakin: ROM: 1 [1 - **3**] - 1 January 1957: ?: Collector Unknown: CAS: 2 [2 - **2**] - 1 January 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 18 April 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 4 August 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 15 August 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 31 August 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 17 August 1959: : SMF: 1 [1 - **1**] - 31 August 1962: Williams, A.: USNM: 1 [1 - **1**] - 9 June 1963: Mumford, Russell E.: ROM: 4 [4 - **4**] - 18 June 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 3 August 1963: Mumford, Russell E.: ROM: 2 [2 - **2**] - 8 August 1963: Rawlins, K.: ROM: 1 [1 - **1**] - 17 June 1965: Williams, John George: ROM: 4 [4 - **4**] - 31 August 1965: Start, Anthony N.: WAM: 1 [1 - **1**] - 26 March 1966: Williams, John George: ROM: 4 [4 - **4**] - 26 August 1966: Start, J.D.: WAM: 1 [1 - **1**] - 19 August 1968: Hayward, Bruce Joliffe: USNM: 13 [13 - **13**] - 20 August 1968: Hayward, Bruce Joliffe: USNM: 47 [47 - **47**] - 22 June 1969: Williams, John George: AMNH: 1 [1 - **1**] - 5 January 1971: Williams, John George: ROM: 3 [3 - **3** - **94**].

Nakuru Prison cave: 5 October 1985: Nelson, Kimberlyn (Kim): MCZ: 1 [1 - **1** - **1**].

Nakuru, 12 km S, 4 km E: 7 October 1985: Nelson, Kimberlyn (Kim): CM: 2, MCZ: 2 [4]; Schlitter, Duane Albert, *et al.*: CM: 2 [2 - **6** - **6**].

Nakuru, 2 mi [= 3.2 km] W: 3 July 1965: Hayward, Bruce Joliffe: FMNH: 8 [8 - **8** - **8**].

Nakuru, 2 mi S: Collection Date Unknown: Hayward, Bruce Joliffe: USNM: 1 [1 - **1**] - 20 August 1968: Hayward, Bruce Joliffe: USNM: 1 [1 - **1** - **2**].

Nakuru, 4 mi [= 6.4 km] E: 4 August 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Nakuru, 5 km WSW: 7 October 1975: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Nakuru, 6 km E: 4 August 1963: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Nakuru, near: 18 January 1949: Cade, C.E.: FMNH: 1 [1 - **1**] - 29 December 1950: Cade, C.E.: FMNH: 1 [1 - **1**] - 28 August 1965: Williams, John George: ROM: 1 [1 - **1** - **3**].

Namanga: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: HZM: 2 [2 - **3**] - 5 February 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 8 February 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 2 August 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 10 December 1952: Williams, John George: HZM: 1 [1 - **1**] - 18 November 1965: Williams, John George: ROM: 1 [1 - **1** - **8**].

Namanga, near: 5 February 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 6 February 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **2**].

Nambale, 10 mi [= 16 km] N: Collection Date Unknown: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Nanyuki: Collection Date Unknown: ?: Collector Unknown: CM: 1, ROM: 1 [2 - **2**] - 10 December 1949: Cade, C.E.: FMNH: 1 [1 - **1**] - 10 June 1950: Cade, C.E.: FMNH: 2 [2 - **2**] - 14 December 1964: Western New Mexico University: FMNH: 1 [1 - **1**] - 12 September 1965: Forbes-Watson, A.D.: USNM: 1 [1 - **1**] - 21 June 1972: Barton, Otis J.: ROM: 6 [6 - **6** - **13**].

Nanyuki [=Nanguki], near: 10 December 1949: Cade, C.E.: KU: 1 [1 - **1** - **1**].

Nanyuki, 24 mi [=39 km] N: 27 May 1974: Barton, Otis J.: ROM: 3 [3 - **3** - **3**].

Nanyuki, 27 mi [= 43 km] NW: 3 March 1973: Hutton-Seed, R.: ROM: 1 [1 - **1** - **1**].

Nanyuki, 38 km N: 27 May 1974: Barton, Otis J.: ROM: 2 [2 - **2** - **2**].
Naro Moru: 22 October 1975: Williams, John George: ROM: 1 [1 - **1** - **1**].
National Museums of Kenya: 9 August 1965: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **2**].
Ndabibi cave: 3 October 1985: Nelson, Kimberlyn (Kim): MCZ: 5 [5]; Schlitter, Duane Albert: MCZ: 2 [2 - **7** - **7**].
Ndara hills: 12 April 1910: Kemp, Robin: BMNH: 2 [2]; Kemp, Robin; Rudd, C.D.: BMNH: 1 [1 - **3** - **3**].
Ndauni area: 17 July 1982: Ithia, Julius M.K.: LACM: 2 [2 - **2**] - 18 July 1982: Ithia, Julius M.K.: LACM: 1 [1 - **1** - **3**].
Ndi: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Hildebrandt, Johann Maria: ZMB: 8 [8 - **9**] - 20 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1** - **10**].
Ndiani, coast: 23 November 1970: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
NE base along the Wei Wei River: Collection Date Unknown: Stager, Kenneth E.: LACM: 37 [37 - **37** - **37**].
NE Base Wei Wei River, West Pokot: 17 September 1969: Stager, Kenneth E.: LACM: 4 [4 - **4**] - 19 September 1969: Stager, Kenneth E.: LACM: 1 [1 - **1**] - 23 September 1969: Stager, Kenneth E.: LACM: 1 [1 - **1** - **6**].
NE Cherangani Hills, Kipsain river: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1**] - 24 November 1975: Williams, John George: ROM: 18 [18 - **18** - **19**].
near Marigat, Perakera River: 3 May 1973: Williams, John George: ROM: 1 [1 - **1**] - 3 May 1974: Hutton-Seed, R.; Williams, A.E.: ROM: 1 [1 - **1** - **2**].
NFD, Isiolo: 19 August 1963: Williams, J.: LACM: 1 [1 - **1**] - 5 November 1963: Williams, J.: LACM: 1 [1 - **1** - **2**].
Ngambo: 28 November 1974: Williams, A.E.: ROM: 16 [16 - **16**] - 29 November 1974: Williams, A.E.: ROM: 1 [1 - **1** - **17**].
Ngangas Forest: 22 September 1987: Schlitter, Duane Albert: MCZ: 1 [1 - **1** - **1**].
Ngaranyiru: 19 July 1973: Sutton, J.: ROM: 3 [3 - **3**] - 22 July 1973: Sutton, J.: ROM: 1 [1 - **1**] - 23 July 1973: Sutton, J.: ROM: 3 [3 - **3**] - 24 July 1973: Sutton, J.: ROM: 4 [4 - **4** - **11**].
Ngare Ndare [Farm]: 21 February 1958: Carter, T. Donald: AMNH: 3 [3 - **3** - **3**].
Ngatana: Collection Date Unknown: Loveridge, Arthur: MCZ: 5 [5 - **5**] - 1 June 1934: Loveridge, Arthur: MCZ: 5 [5 - **5**] - 5 June 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 14 June 1934: Loveridge, Arthur: MCZ: 11 [11 - **11** - **22**].
Ngaugao Forest: 21 August 1965: Forbes-Watson, A.D.: USNM: 1 [1 - **1** - **1**].
Ng'enyi: 10 July 1944: Schwartz, A.: KU: 1 [1 - **1** - **1**].
Ngobi Forest: 23 January 1982: Walen, A.: ZMA: 1 [1 - **1** - **1**].
Ngombeni: Collection Date Unknown: : SMF: 23 [23 - **23**] - 17 July 1956: : SMF: 2 [2 - **2**] - 3 October 1962: ?: Collector Unknown: NMK: 2 [2 - **2**] - 19 August 1969: ?: Collector Unknown: BMNH: 1 [1 - **1** - **28**].
Ngombeni [caves]: 17 July 1954: Kulzer, Edwin: AMNH: 1 [1 - **1**] - 17 July 1956: Hoogstraal, Harry H.: FMNH: 46 [46 - **46**] - 29 September 1962: Roberts, J.: USNM: 1 [1 - **1**] - 7 July 1963: Granger, Walter: USNM: 2 [2 - **2**] - 12 July 1963: Granger, Walter: USNM: 3 [3 - **3**] - 26 July 1963: Granger, Walter: ROM: 1, USNM: 2 [3 - **3**] - 14 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 15 August 1963: Hayward, Bruce Joliffe: FMNH: 6, USNM: 2 [8]; Mumford, Russell E.: ROM: 2, USNM: 4 [6 - **14**] - 3 November 1963: Roberts, J.: USNM: 8 [8 - **8**] - 31 July 1964: Roberts, J.: USNM: 2 [2 - **2**] - 4 May 1980: Van Bree, Peter Johannes Hendrikus: ZMA: 17 [17 - **17**] - 18 October 1985: Schlitter, Duane Albert: MCZ: 2 [2 - **2** - **100**].
Ngomeni: 12 July 1963: Granger, Walter: USNM: 1 [1 - **1**] - 20 November 1963: Williams, A.E.; Williams, John George: ROM: 3 [3 - **3** - **4**].
Ngong: Collection Date Unknown: Williams, John George: ROM: 1 [1 - **1**] - 30 November 1949: Cade, C.E.: KU: 1 [1 - **1**] - 5 December 1949: Cade, C.E.: KU: 1 [1 - **1**] - 14 December 1949: Cade, C.E.: FMNH: 1 [1 - **1**] - 16 August 1951: Cade, C.E.: CAS: 1 [1 - **1**] - 15 August 1954: Harper, J.: USNM: 1 [1 - **1**] - 7 June 1963: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2**] - 29 June 1963: Mumford, Russell E.: ROM: 2 [2 - **2**] - 1 July 1963: Mumford, Russell E.: USNM: 4 [4 - **4**] - 3 July 1963: Mumford, Russell E.: ROM: 1, USNM: 1 [2 - **2**] - 7 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 15 July 1963: Patterson, P.: ROM: 2, USNM: 1 [3 - **3**] - 24 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 29 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 22 November 1963: Western New Mexico University: FMNH: 2 [2 - **2**] - 4 April 1964: Williams, A.E.; Williams, John George: ROM: 3 [3 - **3**] - 5 April 1964: Williams, John George: ROM: 1 [1 - **1**] - 9 April 1964: Williams, John George: HZM: 1, ROM: 1 [2 - **2**] - 11 May 1964: Williams, John George: ROM: 2 [2 - **2**] - 5 June 1964: Williams, John George: ROM: 2 [2 - **2**] - 11 July 1964: Western New Mexico University: FMNH: 1 [1 - **1**] - 17 March 1965: Start, Anthony N.; Start, J.D.: WAM: 1 [1 - **1**] - 5 June 1965: Williams, John George: ROM: 1 [1 - **1**] - 11 June 1965: Williams, John George: ROM: 2 [2 - **2**] - 15 June 1965: Hayward, Bruce Joliffe: FMNH: 2 [2]; Williams, John George: ROM: 3 [3 - **5**] - 20 June 1965: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - 22 June 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 4 August 1965: Williams, John George: ROM: 1 [1 - **1**] - 26 August 1965: Williams, John George: ROM: 1 [1 - **1**] - 3 September 1965: Williams, John George: ROM: 1 [1 - **1**] - 14 October 1965: Williams, John George: ROM: 1 [1 - **1** - **53**].
Ngong Hills: Collection Date Unknown: Mumford, Russell E.: USNM: 2 [2 - **2**] - 29 June 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 1 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 24 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 14 August 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 15 August 1963: Patterson, P.: USNM: 2 [2 - **2** - **8**].
Ngore Ngore: 10 January 1966: Williams, A.: MSU: 2 [2 - **2**] - 11 January 1966: Williams, A.: MSU: 1 [1 - **1** - **3**].
Nguruman Escarpment: Collection Date Unknown: ?: Collector Unknown: ZMB: 2 [2]; Neumann: ZMB: 2 [2 - **4**] - 15 January 1974: Eger, Judith L.; Glen, Robert M.: ROM: 45 [45]; Williams, John George: ROM: 1 [1 - **46**] - 16 January 1974: Eger, Judith L.; Glen, Robert M.: ROM: 11 [11 - **11** - **61**].
Njerowa Gorge: 20 September 1965: Forbes-Watson, A.D.: USNM: 1 [1 - **1**] - 21 September 1965: Forbes-Watson, A.D.: USNM: 1 [1 - **1** - **2**].
Njoro: 7 June 1948: Hoogstraal, Harry H.: FMNH: 7 [7]; Hoogstraal, Harry H.; Alison, R.: USNM: 7 [7 - **14**] - 10 April 1965: Williams, John George: ROM: 1 [1 - **1**] - 14 April 1973: Williams, John George: ROM: 5 [5 - **5**] - 9 October 1973: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2**] - 29 October 1973: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 5 October 1975: Mumford, Russell E.: ROM: 1 [1 - **1** - **24**].
Njoro River: 8 October 1985: Nelson, Kimberlyn (Kim): CM: 1, MCZ: 3 [4 - **4** - **4**].
Njoro River: 16 July 1963: Mumford, Russell E.: USNM: 2 [2 - **2** - **2**].
Njoro, 3 mi [= 4.8 km] W: 23 October 1974: Williams, A.E.: ROM: 2 [2 - **2**] - 1 November 1974: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1** - **3**].
Nogmein: 1 January 1965: Williams, John George: ROM: 1 [1 - **1** - **1**].
Norogoro: 6 April 1918: Loveridge, Arthur: USNM: 2 [2 - **2** - **2**].
North Cherangani: 29 January 1966: Kelly, P.J.: ROM: 3 [3 - **3**] - 30 January 1966: Kelly, P.J.: ROM: 1 [1 - **1**] - 11 February 1966: Kelly, P.J.: ROM: 2 [2 - **2**] - 9 July 1966: Kelly, P.J.: ROM: 1 [1 - **1** - **7**].
North Nandi Forest: Collection Date Unknown: ?: Collector Unknown: NMW: 1 [1 - **1** - **1**].

North-East face of Mount Elgon: 5 February 1969: Barton, Miles: ROM: 7 [7 - **7**] - 6 February 1969: Barton, Miles: ROM: 18 [18 - **18**] - 11 August 1970: Barton, Otis J.: ROM: 10 [10 - **10**] - 12 August 1970: Barton, Otis J.: ROM: 20 [20 - **20**] - 14 August 1970: Barton, Miles: ROM: 31 [31]; Barton, Otis J.: ROM: 1 [1 - **32**] - 17 August 1970: Barton, Otis J.: ROM: 20 [20 - **20** - **107**].

Northern Guaso Nyiro: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Roosevelt, Kenneth (Kermit): USNM: 1 [1 - **2**] - 31 July 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 4 October 1911: Heller, Edmund: USNM: 4 [4 - **4**] - 5 January 1915: : AMNH: 1 [1]; Wulsin, Frederik Roelker: AMNH: 1 [1 - **2**] - 28 March 1915: Wulsin, Frederik Roelker: MCZ: 2 [2 - **2** - **11**].

Northern Guaso Nyiro, Nanyuki river: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Nyaami: 16 August 1974: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **1**].

Nyala Beach Hotel: 4 January 1965: Bauer, Roland G.: YPM: 1 [1 - **1** - **1**].

Nyama Yango: 23 August 1963: Western New Mexico University: FMNH: 1 [1 - **1**] - 12 December 1963: Western New Mexico University: FMNH: 2 [2 - **2**] - 20 December 1963: Western New Mexico University: FMNH: 3 [3 - **3**] - 18 February 1964: Seed, F.G.: WNMU: 1 [1 - **1**] - 2 March 1964: Seed, F.G.: WNMU: 1 [1 - **1**] - 16 June 1964: Western New Mexico University: FMNH: 1 [1 - **1** - **9**].

Nyamindi: 27 May 1959: Vickers, M.E.H.: FMNH: 1 [1 - **1** - **1**].

Nyangala hill: 20 December 1973: ?: Collector Unknown: ROM: 2 [2]; Eger, Judith L.; Glen, Robert M.: ROM: 66 [66 - **68** - **68**].

Nyanza [former] province: 1 May 1979: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Nyeri: Collection Date Unknown: ?: Collector Unknown: HZM: 2 [2 - **2**] - 11 June 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 10 June 1967: Jones, John: ROM: 1 [1 - **1**] - 1 June 1968: Williams, John George: ROM: 1 [1 - **1** - **5**].

Ol' Donyo Sabuk [=Donyo Sabuk]: 21 January 1972: ?: Collector Unknown: BRTC: 2 [2 - **2**] - 24 January 1972: ?: Collector Unknown: BRTC: 3 [3 - **3**] - 12 February 1972: ?: Collector Unknown: BRTC: 4 [4 - **4** - **9**].

Ol Donyo Sapuk, mount: 14 November 1963: Western New Mexico University: FMNH: 1 [1 - **1**] - 24 November 1963: Seed, Robin D.: WNMU: 1 [1]; Western New Mexico University: FMNH: 2 [2 - **3**] - 24 November 1964: Western New Mexico University: FMNH: 1 [1 - **1** - **5**].

Ol Jogi Dam: 6 August 2014: Webala, Paul W.: MMU: 2 [2 - **2**] - 7 August 2014: Webala, Paul W.: MMU: 3 [3 - **3** - **5**].

Ol Tukai lodge: 13 May 1964: Struhsaker, Thomas T.: MSU: 2 [2 - **2**] - 17 May 1964: Struhsaker, Thomas T.: MSU: 3 [3 - **3**] - 7 June 1964: Struhsaker, Thomas T.: MSU: 1 [1 - **1** - **6**].

Oleibortoto river: 14 September 1969: Start, Anthony N.: BMNH: 8 [8 - **8** - **8**].

Olkenyie: 5 February 1965: Bauer, Roland G.: YPM: 1 [1 - **1**] - 6 February 1965: Bauer, Roland G.: YPM: 1 [1 - **1**] - 8 February 1965: Bauer, Roland G.: YPM: 1 [1 - **1** - **3**].

Oloitokitok: 15 August 1963: Mumford, Russell E.: USNM: 2 [2 - **2** - **2**].

Olorgasailie: 26 June 1963: Coe, Malcolm J.: USNM: 1 [1 - **1**] - 7 March 1964: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 7 March 1968: Williams, A.E.: ROM: 1 [1 - **1** - **3**].

on Galole Road: 30 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 34 [34 - **34**] - 31 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 11 [11 - **11** - **45**].

on Mombaso Road, Simba: 20 June 1965: Williams, John George: ROM: 1 [1 - **1** - **1**].

Ortum: Collection Date Unknown: ?: Collector Unknown: ROM: 11 [11 - **11**] - 28 September 1965: Williams, John George: ROM: 1 [1 - **1**] - 11 March 1971: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 7 [7 - **8**] - 12 March 1971: Williams, John George: ROM: 2 [2 - **2**] - 13 March 1971: Williams, John George: ROM: 1 [1 - **1**] - 14 March 1971: Williams, John George: ROM: 3 [3 - **3**] - 15 March 1971: Williams, John George: ROM: 4 [4 - **4**] - 16 March 1971: Williams, John George: ROM: 1 [1 - **1**] - 18 March 1971: Williams, John George: ROM: 1 [1 - **1**] - 24 March 1971: Williams, John George: ROM: 3 [3 - **3**] - 3 May 1973: Hutton-Seed, R.; Williams, A.E.: ROM: 1 [1 - **1** - **36**].

Othaya: 1 June 1968: : SMF: 1 [1 - **1** - **1**].

Pango La Mwana Moto: 20 November 1970: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 27 November 1970: Ithia, Julius M.K.: CUMV: 1 [1 - **1** - **2**].

Patta [=Pate, island]: Collection Date Unknown: Voeltzkow, Alfred: ZMB: 4 [4 - **4** - **4**].

Pipeline cave: 12 August 2014: Webala, Paul W.: MMU: 20 [20 - **20**] - 16 September 2014: Webala, Paul W.: MMU: 10 [10 - **10** - **30**].

Poi, 2 mi N: 26 January 1984: Cifelli, R.L.: USNM: 4 [4 - **4** - **4**].

Port Dawnford: 4 January 1913: ?: Collector Unknown: NMK: 11 [11 - **11** - **11**].

Port Reitz: 28 September 1960: Corbet, Gordon B.: BMNH: 1 [1 - **1** - **1**].

Pyramid Camp: 8 August 2014: Webala, Paul W.: MMU: 9 [9 - **9** - **9**].

Rabai: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 15 February 1901: Percival, Arthur Blayney: BMNH: 1 [1 - **1** - **2**].

Ramu: 28 June 1974: Williams, A.E.; Kyongo, Robert N.: ROM: 1 [1 - **1**] - 5 July 1974: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 2 [2 - **2**] - 9 July 1974: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1**] - 11 July 1974: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1**] - 12 July 1974: Williams, A.E.; Williams, John George; Kyongo, Robert N.: ROM: 1 [1 - **1** - **6**].

Renshaw Barberton Farm: 5 July 1964: MCZ Paleological Expedition, The: MCZ: 37 [37 - **37**] - 5 September 1964: MCZ Paleological Expedition, The: MCZ: 14 [14 - **14** - **51**].

Rift Valley: Collection Date Unknown: ?: Collector Unknown: CM: 2 [2]; Purvis, Martin: LACM: 1 [1 - **3** - **3**].

Rift Valley [former] province: 9 August 1958: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 September 1959: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 July 1965: ?: Collector Unknown: SMF: 1 [1 - **1**] - 31 August 1965: ?: Collector Unknown: SMF: 2 [2 - **2**] - 20 October 1966: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 August 1967: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 August 1967: ?: Collector Unknown: SMF: 2 [2 - **2**] - 2 May 1970: ?: Collector Unknown: SMF: 5 [5 - **5**] - 14 May 1970: ?: Collector Unknown: SMF: 3 [3 - **3**] - 20 May 1970: ?: Collector Unknown: SMF: 19 [19 - **19**] - 24 June 1970: ?: Collector Unknown: SMF: 4 [4 - **4**] - 14 October 1970: ?: Collector Unknown: SMF: 4 [4 - **4**] - 20 November 1970: ?: Collector Unknown: SMF: 7 [7 - **7**] - 22 November 1970: ?: Collector Unknown: SMF: 4 [4 - **4**] - 22 December 1970: ?: Collector Unknown: SMF: 7 [7 - **7**] - 5 January 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 January 1971: ?: Collector Unknown: SMF: 7 [7 - **7**] - 20 February 1971: ?: Collector Unknown: SMF: 6 [6 - **6**] - 25 February 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 16 March 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 April 1971: ?: Collector Unknown: SMF: 2 [2 - **2**] - 20 April 1971: ?: Collector Unknown: SMF: 2 [2 - **2**] - 14 May 1971: ?: Collector Unknown: SMF: 2 [2 - **2**] - 7 May 1972: ?: Collector Unknown: SMF: 2 [2 - **2**] - 11 May 1972: ?: Collector Unknown: SMF: 5 [5 - **5**] - 11 January 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 April 1979: ?: Collector Unknown: SMF: 2 [2 - **2** - **94**].

River Olebortoto: 14 September 1969: Start, Anthony N.: BMNH: 2 [2 - **2** - **2**].

Rocky Island, Uhaya Bay: 17 May 1966: Van Vegten, J.: ZMA: 1 [1 - **1** - **1**].
Rondo forest: Collection Date Unknown: Glen, Robert M.: ROM: 13 [13 - **13**] - 1 December 1971: Glen, Robert M.: ROM: 21 [21 - **21**] - 1 January 1972: Peterson, Randolph L.; Glen, Robert M.: ROM: 3 [3]; Peterson, Randolph L.; Glen, Robert M.; Turner, G.E.: ROM: 25 [25 - **28**] - 1 February 1972: Glen, Robert M.: ROM: 1 [1 - **1**] - 27 November 1973: Glen, Robert M.: ROM: 14 [14 - **14**] - 28 October 1974: Kyongo, Robert N.; Williams, A.: ROM: 1 [1 - **1**] - 6 November 1974: Kyongo, Robert N.; Williams, A.: ROM: 1 [1 - **1**] - 13 November 1974: Kyongo, Robert N.; Williams, A.: ROM: 1 [1 - **1** - **80**].
Rongai: Collection Date Unknown: Fowler, J.P.: HZM: 1 [1 - **1**] - 31 August 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 9 January 1964: Western New Mexico University: FMNH: 1 [1 - **1**] - 15 August 1965: Start, Anthony N.: BMNH: 1 [1 - **1** - **4**].
Rongai, 5 km S: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 27 October 1973: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2**] - 28 October 1973: Williams, A.E.: ROM: 3 [3]; Williams, A.E.; Williams, John George: ROM: 1 [1 - **4** - **7**].
Rongai, 5 mi SW: 30 August 1965: Hayward, Bruce Joliffe: FMNH: 6 [6 - **6** - **6**].
Ruaraka: 21 September 1975: De Vree, Frits; Kock, Dieter: SMF: 1 [1 - **1**] - 22 September 1975: ?: Collector Unknown: SMF: 4 [4]; Kock, Dieter: SMF: 1 [1 - **5** - **6**].
Ruiru: 8 August 1951: Cade, C.E.: CAS: 1 [1 - **1**] - 10 October 1975: Mumford, Russell E.: ROM: 6 [6]; Williams, John George: ROM: 7 [7 - **13** - **14**].
Ruivi [= Ruaraka]: 22 October 1968: Baum, H.: SMF: 1 [1 - **1** - **1**].
Rumurati, 64 km NW: 25 March 1968: Williams, John George: ROM: 1 [1 - **1** - **1**].
Rumuruti: 4 December 1957: Foster, J.B.; Bateman, R.M.: ROM: 2 [2 - **2**] - 27 April 1960: Walker, B.: CAS: 1 [1 - **1**] - 22 May 1960: Glen, Robert M.: ROM: 1 [1 - **1** - **4**].
Rumuruti, 40 mi N: 27 April 1960: Western New Mexico University: FMNH: 1 [1 - **1** - **1**].
Rumuruti, 45 km N: Collection Date Unknown: Hutton-Seed, R.: ROM: 1 [1 - **1**] - 18 October 1976: Hutton-Seed, R.: ROM: 2 [2 - **2** - **3**].
Sabatia: Collection Date Unknown: : NMK: 1 [1 - **1** - **1**].
Saboti: 27 June 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 16 July 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 23 July 1965: Kelly, P.J.: ROM: 2 [2 - **2**] - 26 July 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 6 August 1965: Kelly, P.J.: ROM: 1 [1 - **1**] - 7 August 1965: Kelly, P.J.: ROM: 2 [2 - **2**] - 11 June 1972: Barton, Otis J.: ROM: 8 [8 - **8** - **16**].
Saboti caves: 21 July 1965: Kelly, P.J.: ROM: 2 [2 - **2**] - 22 July 1965: Kelly, P.J.: ROM: 6 [6 - **6**] - 24 July 1965: Kelly, P.J.: ROM: 1 [1 - **1** - **9**].
Saboti, 3 mi [= 4.8 km] SE: 25 July 1968: Hayward, Bruce Joliffe: USNM: 52 [52 - **52** - **52**].
Sagalla: 1 April 1906: Akeley, Carl Ethan: FMNH: 11 [11 - **11**] - 15 April 1906: Heller, Edmund: FMNH: 1 [1 - **1**] - 22 April 1906: Akeley, Carl Ethan: FMNH: 1 [1 - **1** - **13**].
Sagana River: 20 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Saint Paul's Akukura Secondary School: 21 March 1970: Hawkins, James D.: ROM: 1 [1 - **1** - **1**].
Saiwa river: 8 March 1971: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 17 [17 - **18**] - 18 March 1971: ?: Collector Unknown: ROM: 1 [1 - **1**] - 19 March 1971: ?: Collector Unknown: ROM: 1 [1 - **1**] - 23 March 1971: Williams, John George: ROM: 5 [5 - **5** - **25**].
Salazar Trail: 21 September 2014: Webala, Paul W.: MMU: 4 [4 - **4**] - 22 September 2014: Webala, Paul W.: MMU: 1 [1 - **1** - **5**].
Samburu Game Lodge: 5 January 1966: Williams, John George: ROM: 2 [2 - **2** - **2**].
Samburu Lodge, Vasio Nyiro River: 5 January 1966: Williams, John George: ROM: 4 [4 - **4** - **4**].
Samokitok: 22 August 1966: Williams, John George: ROM: 1 [1 - **1** - **1**].
Sand River: 27 January 1982: Walen, A.: ZMA: 4 [4 - **4** - **4**].
Sarmai: 13 September 1966: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Sebaki river: 1 July 1913: Bayer: RMCA: 3 [3 - **3** - **3**].
Shell BM Camp: 27 December 1973: Eger, Judith L.; Glen, Robert M.: ROM: 10 [10 - **10** - **10**].
Shikusa: Collection Date Unknown: Luies, D.D.: NMK: 2 [2 - **2** - **2**].
Shimani: 13 August 1963: Mumford, Russell E.: USNM: 5 [5 - **5** - **5**].
Shimba Hills: 12 July 1939: ?: Collector Unknown: KU: 1 [1 - **1**] - 25 September 1965: Foster, J.B.: ROM: 1 [1]; Sillu, David M.: ROM: 1 [1 - **2**] - 26 September 1965: Sillu, David M.: ROM: 1 [1 - **1**] - 7 October 1965: Foster, J.B.: ROM: 1 [1 - **1**] - 21 November 1965: Foster, J.B.: ROM: 5 [5 - **5**] - 17 November 1966: Foster, J.B.: ROM: 1 [1]; Sillu, David M.: ROM: 1 [1 - **2**] - 18 November 1966: Sillu, David M.: RMCA: 1 [1 - **1**] - 19 November 1966: Sillu, David M.: RMCA: 1, ROM: 1 [2 - **2**] - 20 November 1966: Sillu, David M.: ROM: 1 [1 - **1**] - 21 November 1966: Sillu, David M.: ROM: 2 [2 - **2**] - 22 November 1966: Sillu, David M.: ROM: 2 [2 - **2**] - 23 November 1966: Sillu, David M.: ROM: 2 [2 - **2**] - 24 November 1966: Sillu, David M.: RMCA: 1 [1 - **1**] - 25 November 1966: Sillu, David M.: RMCA: 2, ROM: 1 [3 - **3**] - 30 November 1966: Sillu, David M.: RMCA: 1 [1 - **1**] - 3 December 1966: Sillu, David M.: RMCA: 1 [1 - **1**] - 6 December 1966: Foster, J.B.: ROM: 2 [2 - **2**] - 7 December 1966: Sillu, David M.: RMCA: 1, ROM: 1 [2 - **2**] - 9 December 1966: Sillu, David M.: RMCA: 1, ROM: 1 [2 - **2**] - 10 December 1966: Sillu, David M.: ROM: 1 [1 - **1**] - 11 December 1966: Sillu, David M.: RMCA: 1 [1 - **1**] - 12 December 1966: Sillu, David M.: ROM: 2 [2 - **2**] - 16 December 1966: Sillu, David M.: RMCA: 1 [1 - **1**] - 17 December 1966: Sillu, David M.: RMCA: 1 [1 - **1**] - 19 December 1966: Sillu, David M.: RMCA: 2 [2 - **2**] - 22 January 1967: Sillu, David M.: ROM: 1 [1 - **1**] - 17 April 1976: Williams, John George: ROM: 2 [2 - **2**] - 16 August 1976: Ithia, Julius M.K.: CUMV: 3 [3 - **3**] - 17 August 1976: Ithia, Julius M.K.: CUMV: 3 [3 - **3**] - 18 August 1976: Ithia, Julius M.K.: CUMV: 1 [1 - **1**] - 24 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2**] - 25 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1** - **55**].
Shimba Hills: 25 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1** - **1**].
Shimba Hills Nature Reserve: Collection Date Unknown: Schlitter, Duane Albert: CM: 1 [1]; Schlitter, Duane Albert, *et al.*: CM: 1 [1]; Sillu, David M.: MWSU: 1 [1 - **3**] - 25 November 1966: Sillu, David M.: ROM: 1 [1 - **1**] - 9 February 1969: ?: Collector Unknown: ROM: 1 [1 - **1**] - 18 February 1969: ?: Collector Unknown: ROM: 1 [1 - **1**] - 19 February 1969: ?: Collector Unknown: ROM: 1 [1 - **1**] - 27 May 1977: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 1 June 1977: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 20 July 1978: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 29 July 1978: Kyongo, Robert N.: RMNH: 2 [2 - **2**] - 30 July 1978: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 28 September 1978: Kyongo, Robert N.: RMNH: 1 [1 - **1**] - 24 October 1979: Smeenk, Chris: RMNH: 1 [1 - **1**] - 26 October 1979: Smeenk, Chris: RMNH: 7 [7 - **7**] - 15 October 1985: Nelson, Kimberlyn (Kim): MCZ: 3 [3 - **3**] - 16 October 1985: Nelson, Kimberlyn (Kim): MCZ: 1 [1]; Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **2** - **28**].
Shimba Hills Settlement: Collection Date Unknown: Ithia, Julius M.K.: LACM: 5 [5 - **5** - **5**].

Shimilani: 29 May 1975: De Vree, Frits: RMCA: 2 [2 - **2**] - 29 September 1975: De Vree, Frits: RMCA: 12 [12 - **12** - **14**].

Shimoni: Collection Date Unknown: Koopman, Karl Friedrich: AMNH: 2 [2]; Twomey, A.C.: AMNH: 2, CM: 1 [3 - **5**] - 11 October 1951: Williams, J.C.: FMNH: 4 [4 - **4**] - 12 August 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 13 August 1963: Hayward, Bruce Joliffe: FMNH: 6 [6]; Mumford, Russell E.: ROM: 5, USNM: 3 [8]; Williams, John George: ROM: 2 [2 - **16**] - 15 December 1963: Foster, J.B.: ROM: 1 [1 - **1**] - 20 December 1963: Foster, J.B.: ROM: 1 [1 - **1**] - 1 August 1964: Start, Anthony N.: WAM: 1 [1 - **1**] - 14 August 1964: Western New Mexico University: FMNH: 4 [4 - **4**] - 16 August 1964: Start, Anthony N.: WNMU: 1 [1 - **1**] - 27 August 1964: Start, Anthony N.: WNMU: 1 [1]; Western New Mexico University: FMNH: 1 [1 - **2**] - 13 April 1966: Williams, John George: ROM: 13 [13 - **13**] - 20 April 1966: Williams, John George: ROM: 1 [1 - **1**] - 9 September 1966: Williams, John George: ROM: 1 [1 - **1**] - 10 September 1966: Williams, John George: ROM: 1 [1 - **1**] - 20 August 1973: Glen, Robert M.: ROM: 4 [4]; Williams, John George: ROM: 1 [1 - **5**] - 27 August 1973: Williams, John George: ROM: 1 [1 - **1**] - 28 August 1973: Williams, A.E.; Williams, John George: ROM: 4 [4 - **4**] - 29 August 1973: Glen, Robert M.: ROM: 4 [4]; Williams, A.E.; Williams, John George: ROM: 4 [4]; Williams, John George: ROM: 2 [2 - **10**] - 30 August 1973: Williams, A.E.; Williams, John George: ROM: 9 [9 - **9**] - 2 January 1975: Ithia, Julius M.K.: ROM: 20 [20 - **20**] - 28 September 1975: Koopman, Karl Friedrich: AMNH: 3 [3 - **3**] - 27 June 1977: Aggundey, Issa R.: ZMA: 2 [2 - **2** - **106**].

Shimoni cave: Collection Date Unknown: Ithia, Julius M.K.: ROM: 1 [1 - **1**] - 13 August 1963: Hayward, Bruce Joliffe: USNM: 2 [2]; Mumford, Russell E.: USNM: 1 [1 - **3**] - 1 April 1968: ?: Collector Unknown: ROM: 3 [3]; Curry, Noreen: ROM: 21 [21]; Curry, Noreen; Glen, Robert M.: ROM: 6 [6 - **30**] - 27 September 1970: Sillu, David M.: RMCA: 5 [5 - **5**] - 16 May 1971: : SMF: 3 [3 - **3**] - 30 August 1973: Williams, John George: ROM: 1 [1 - **1**] - 27 July 1976: Ithia, Julius M.K.: ROM: 28 [28 - **28**] - 28 July 1976: Ithia, Julius M.K.: ROM: 46 [46 - **46**] - 29 July 1976: Ithia, Julius M.K.: ROM: 21 [21 - **21**] - 30 July 1976: Ithia, Julius M.K.: ROM: 10 [10 - **10**] - 31 July 1976: Ithia, Julius M.K.: ROM: 22 [22 - **22** - **170**].

Shimu Na Kitu: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Sigor: Collection Date Unknown: ?: Collector Unknown: CM: 2, WAM: 1 [3]; Schlitter, Duane Albert: CM: 2 [2]; Williams, John George: ROM: 1 [1 - **6**] - 10 March 1964: Williams, John George: LACM: 2 [2 - **2**] - 1 June 1965: Williams, John George: ROM: 13 [13 - **13**] - 11 December 1965: Williams, John George: ROM: 12 [12 - **12**] - 17 December 1965: ?: Collector Unknown: ROM: 1 [1]; Williams, John George: ROM: 10 [10 - **11**] - 1 February 1966: Williams, A.E.; Jones: ROM: 5 [5]; Williams, John George; Jones, J.: ROM: 17 [17 - **22**] - 1 July 1966: Williams, John George: ROM: 4 [4 - **4**] - 7 July 1966: Williams, John George: ROM: 3 [3 - **3**] - 12 July 1966: Williams, John George: ROM: 2 [2 - **2**] - 13 July 1966: Williams, John George: ROM: 13 [13 - **13**] - 14 July 1966: Williams, John George: ROM: 3 [3 - **3**] - 19 July 1966: Williams, John George: ROM: 1 [1 - **1**] - 20 July 1966: Williams, John George: ROM: 6 [6 - **6**] - 21 July 1966: Williams, John George: ROM: 2 [2 - **2**] - 22 August 1966: Williams, John George: ROM: 4 [4 - **4**] - 23 August 1966: Williams, John George: ROM: 4 [4 - **4**] - 24 August 1966: Williams, John George: ROM: 2 [2 - **2**] - 20 September 1966: Williams, John George: ROM: 2 [2 - **2**] - 23 August 1967: Williams, A.E.: ROM: 7 [7 - **7**] - 24 August 1967: Williams, A.E.: ROM: 3 [3 - **3**] - 25 August 1967: Williams: ROM: 1 [1]; Williams, A.E.: ROM: 7 [7 - **8**] - 27 August 1967: Williams, John George: ROM: 1 [1 - **1**] - 18 March 1971: Williams, John George: ROM: 3 [3 - **3**] - 11 September 1987: Schlitter, Duane Albert: CM: 1, MCZ: 1 [2 - **2**] - 13 September 1987: Schlitter, Duane Albert: CM: 2 [2 - **2** - **138**].

Sigor, 1 mi [= 1.6 km] SE: 1 January 1970: Wright, John W.: MVZ: 1 [1 - **1**] - 7 March 1970: Wright, John W.: MVZ: 3 [3 - **3**] - 8 March 1970: Wright, John W.: MVZ: 1 [1 - **1**] - 7 May 1970: Wright, John W.: MVZ: 1 [1 - **1** - **6**].

Sigor, 2 mi [=3.2 km] S: Collection Date Unknown: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - 1 June 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 27 July 1965: Hayward, Bruce Joliffe: FMNH: 14, ROM: 1, WNMU: 1 [16 - **16**] - 28 July 1965: Hayward, Bruce Joliffe: FMNH: 7 [7 - **7**] - 29 July 1965: ?: Collector Unknown: WNMU: 1 [1]; Hayward, Bruce Joliffe: FMNH: 17, WNMU: 1 [18 - **19**] - 31 July 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 27 July 1968: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **48**].

Simba: 30 December 1973: Aidley: BMNH: 1 [1 - **1** - **1**].

Simba River: 31 May 1964: Williams, John George: ROM: 3 [3 - **3** - **3**].

Similani cave: 15 October 1965: Mumford, Russell E.: ROM: 1 [1 - **1**] - 19 July 1975: Aggundey, Issa R.: AMNH: 5 [5 - **5**] - 29 September 1975: Koopman, Karl Friedrich: AMNH: 17 [17 - **17**] - 15 October 1975: Mumford, Russell E.: ROM: 10 [10]; Williams, John George: ROM: 41 [41 - **51**] - 20 October 1979: McWilliam, A.N.: ZMA: 5 [5 - **5** - **79**].

Sirmai: 3 March 1964: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2** - **2**].

Sokoke Forest: Collection Date Unknown: ?: Collector Unknown: WNMU: 1 [1]; Williams, John George: AMNH: 1 [1 - **2**] - 24 August 1964: Western New Mexico University: FMNH: 1 [1 - **1**] - 4 January 1965: Bauer, Roland G.: YPM: 1 [1 - **1**] - 6 January 1965: Bauer, Roland G.: YPM: 1 [1 - **1**] - 8 January 1965: Bauer, Roland G.: YPM: 1 [1 - **1**] - 9 January 1965: Bauer, Roland G.: YPM: 5 [5 - **5**] - 11 January 1965: Bauer, Roland G.: YPM: 1 [1 - **1**] - 13 January 1965: Bauer, Roland G.: YPM: 2 [2 - **2**] - 18 July 1965: Forbes-Watson, A.D.: USNM: 2 [2 - **2**] - 19 July 1965: Forbes-Watson, A.D.: USNM: 2 [2 - **2**] - 21 July 1965: Forbes-Watson, A.D.: USNM: 1 [1 - **1**] - 22 July 1965: Forbes-Watson, A.D.: USNM: 1 [1 - **1**] - 24 July 1965: Forbes-Watson, A.D.: USNM: 1 [1 - **1**] - 27 July 1965: Forbes-Watson, A.D.: USNM: 1 [1 - **1**] - 19 September 1965: Forbes-Watson, A.D.: USNM: 2 [2 - **2**] - 20 April 1966: Williams, John George: ROM: 2 [2 - **2**] - 21 July 1966: Baettcher, J.W.: WNMU: 1 [1]; Western New Mexico University: FMNH: 3 [3 - **4**] - 19 July 1967: Western New Mexico University: FMNH: 1 [1 - **1**] - 14 August 1967: ?: Collector Unknown: ROM: 4 [4 - **4**] - 15 August 1967: Williams, John George: ROM: 1 [1 - **1**] - 26 January 1968: Martin, P.L.; Williams, A.: LACM: 1 [1 - **1**] - 30 January 1968: Williams, A.: LACM: 1 [1 - **1**] - 5 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 3 [3 - **3**] - 6 October 1979: Smeenk, Chris: RMNH: 1 [1 - **1**] - 8 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 6 [6 - **6**] - 10 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2**] - 11 October 1979: ?: Collector Unknown: ZMA: 1 [1]; Bergmans, Wim; Bergmans, E.: ZMA: 8 [8]; Smeenk, Chris: RMNH: 1 [1 - **10**] - 14 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2]; Smeenk, Chris: RMNH: 1 [1 - **3** - **63**].

Solai Valley: 30 June 1972: Barton, Otis J.: ROM: 10 [10 - **10**] - 1 July 1972: Barton, Otis J.: ROM: 48 [48 - **48** - **58**].

Songhor: 3 January 1960: Ellis, W.: HZM: 1 [1 - **1** - **1**].

Sotik: 20 June 1909: Heller, Edmund: USNM: 2 [2 - **2**] - 3 July 1909: Heller, Edmund: USNM: 1 [1 - **1**] - 4 May 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 24 May 1911: Heller, Edmund: USNM: 3 [3 - **3** - **7**].

South Elgon: 4 August 1965: Kelly, P.J.: ROM: 10 [10 - **10** - **10**].

South Kinangop plateau: 15 June 1958: ?: Collector Unknown: CAS: 1 [1 - **1**] - 15 July 1958: ?: Collector Unknown: CAS: 3 [3 - **3** - **4**].

South Nguasso Nyiro river: 12 June 1909: Loring, John Alden: USNM: 3 [3 - **3**] - 13 June 1909: Loring, John Alden: USNM: 4 [4 - **4**] - 14 June 1909: Loring, John Alden: USNM: 4 [4 - **4**] - 15 June 1909: Loring, John Alden: USNM: 2 [2]; Mearns, Edgar Alexander: USNM: 1 [1 - **3**] - 16 June 1909: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 19 June 1909: Mearns, Edgar Alexander: USNM: 3 [3 - **3**] - 21 June 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 23 June 1909: Mearns, Edgar

Alexander: USNM: 1 [1 - **1**] - 1 July 1909: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 20 July 1909: Loring, John Alden: USNM: 2 [2 - **2** - **23**].

South West Kenya, Mara River: 10 February 1973: Williams, John George: ROM: 1 [1 - **1** - **1**].

South-East slope of Mount Elgon: 9 September 1950: Cade, C.E.: FMNH: 14 [14 - **14**] - 10 September 1950: Cade, C.E.: FMNH: 20 [20 - **20**] - 11 September 1950: Cade, C.E.: FMNH: 13 [13 - **13** - **47**].

southeast slopes: 2 May 1953: Williams, John George: HZM: 5 [5 - **5** - **5**].

southern slopes Mt …: 16 September 1909: Rudd, C.D.: BMNH: 1 [1 - **1** - **1**].

State Loge Campsite: 28 September 2014: Webala, Paul W.: MMU: 8 [8 - **8**] - 29 September 2014: Webala, Paul W.: MMU: 3 [3 - **3**] - 30 September 2014: Webala, Paul W.: MMU: 3 [3 - **3**] - 1 October 2014: Webala, Paul W.: MMU: 4 [4 - **4** - **18**].

Stoneham Museum: 2 August 1965: Hayward, Bruce Joliffe: FMNH: 13, TTU: 1 [14 - **14** - **14**].

Suam River: Collection Date Unknown: ?: Collector Unknown: ROM: 4 [4 - **4**] - 13 December 1965: Williams, John George: ROM: 2 [2 - **2**] - 21 August 1967: Start, Anthony N.: WAM: 1 [1 - **1** - **7**].

Suam River, Korau: 18 July 1963: Mumford, Russell E.: ROM: 2 [2 - **2**] - 4 July 1965: Williams, John George: ROM: 8 [8 - **8**] - 7 July 1965: Williams, John George: ROM: 3 [3 - **3** - **13**].

Subukia: 24 August 1956: Hoogstraal, Harry H.: FMNH: 7 [7 - **7** - **7**].

Sultan Hamud: Collection Date Unknown: Twomey, A.C.: AMNH: 1 [1 - **1**] - 7 July 1963: Glover, P.E.: USNM: 1 [1]; Mumford, Russell E.: ROM: 2, USNM: 1 [3 - **4**] - 16 August 1964: Start, Anthony N.: WNMU: 1 [1 - **1**] - 30 August 1964: Start, Anthony N.: BMNH: 1 [1 - **1**] - 3 September 1967: Start, Anthony N.: SMF: 1 [1 - **1** - **8**].

Suswa caves: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Suyan Lugga: 1 March 1968: Curry, Noreen: ROM: 4 [4]; Curry, Noreen; Glen, Robert M.: ROM: 3 [3 - **7** - **7**].

Suyani, 10 km N: 17 July 1966: Kelly, P.J.: SAMA: 1 [1 - **1** - **1**].

Swan river: 13 December 1965: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].

Taita: Collection Date Unknown: Baagøe, Hans J.: BMNH: 1 [1]; Heller, Edmund: USNM: 1 [1]; Hildebrandt, Johann Maria: BMNH: 2 [2 - **4**] - 1 January 1912: Rolle, Hermann: SMNS: 1 [1 - **1** - **5**].

Taita hills, Ngangao forest: 22 September 1987: Schlitter, Duane Albert: CM: 4 [4 - **4**] - 3 October 1987: Schlitter, Duane Albert: CM: 1 [1 - **1** - **5**].

Taka Ungu: 14 August 1965: Hayward, Bruce Joliffe: TTU: 1 [1 - **1** - **1**].

Taka Unka, Ungu Palm Grove on Coast: Collection Date Unknown: Hayward, Bruce Joliffe: TTU: 1 [1 - **1** - **1**].

Takabba: 10 February 1973: Archer,: ROM: 1 [1 - **1** - **1**].

Takabba, 25 mi [= 40 km] WSW: 6 February 1973: Archer,: ROM: 7 [7 - **7** - **7**].

Takabba, 64.7 km WSW: 6 February 1973: Archer,: ROM: 1 [1 - **1** - **1**].

Takaunga: Collection Date Unknown: Percival, Arthur Blayney: BMNH: 1 [1 - **1** - **1**].

Takaungu: Collection Date Unknown: Percival, Arthur Blayney: BMNH: 1 [1]; Thomas: ZMB: 6 [6 - **7**] - 20 October 1900: Percival, Arthur Blayney: BMNH: 1 [1 - **1**] - 1 August 1965: Williams, John George: ROM: 19 [19 - **19**] - 14 August 1965: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 15 August 1965: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - 17 August 1965: Hayward, Bruce Joliffe: FMNH: 1 [1]; Mumford, Russell E.: ROM: 2 [2]; Williams, John George: ROM: 4 [4 - **7**] - 26 January 1968: Martin, P.L.; Williams, A.: LACM: 5 [5]; Williams, A.E.: LACM: 5 [5 - **10**] - 15 August 1968: ?: Collector Unknown: WAM: 1 [1 - **1** - **52**].

Talek Gate: Collection Date Unknown: Schlitter, Duane Albert: CM: 10 [10 - **10**] - 26 January 1982: Walen, A.: ZMA: 2 [2 - **2**] - 10 August 1987: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 13 August 1987: Schlitter, Duane Albert: CM: 1 [1 - **1** - **14**].

Talek Gate, 4.3 km NW: 5 January 1983: Kerbis Peterhans, Julian C.: FMNH: 6 [6 - **6**] - 21 January 1983: Kerbis Peterhans, Julian C.: FMNH: 4 [4 - **4**] - 22 January 1983: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7** - **17**].

Talek Gate, near: 3 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 26 January 1982: Walen, A.: ZMA: 1 [1 - **1** - **2**].

Tambala Falls: 12 December 1965: Williams, J.: ROM: 1 [1 - **1** - **1**].

Tambalal Falls: Collection Date Unknown: ?: Collector Unknown: ROM: 6 [6 - **6**] - 12 December 1965: Williams, John George: ROM: 1 [1 - **1** - **7**].

Tamkal Camp: 27 August 1967: Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].

Tana River: Collection Date Unknown: ?: Collector Unknown: LACM: 2 [2]; Chandler, W.A.: USNM: 2 [2]; Hunter, H.C.V.: BMNH: 1 [1 - **5**] - 1 November 1892: Chandler, W.A.: USNM: 4 [4 - **4**] - 23 November 1914: Wulsin, Frederik Roelker: MCZ: 2 [2 - **2**] - 7 December 1962: Keith, S.: AMNH: 4 [4 - **4**] - 16 March 1963: Machris-Knudsen Expedition, the: LACM: 1 [1 - **1** - **16**].

Taveta: Collection Date Unknown: Abbott, William Louis: USNM: 2 [2 - **2**] - 1 January 1889: Abbott, William Louis: USNM: 1 [1 - **1**] - 7 April 1910: Kemp, Robin: BMNH: 1 [1 - **1**] - 8 May 1910: Kemp, Robin: BMNH: 3 [3 - **3**] - 14 May 1910: Kemp, Robin: BMNH: 1 [1 - **1**] - 15 April 1925: Friedmann, Herbert: MCZ: 2 [2 - **2** - **10**].

Taveta Sisal Estate: Collection Date Unknown: Schlitter, Duane Albert: CM: 2, MCZ: 1 [3 - **3**] - 19 September 1987: Schlitter, Duane Albert: MCZ: 1 [1 - **1** - **4**].

Taveta, 3 km E: Collection Date Unknown: ?: Collector Unknown: CM: 2 [2]; Schlitter, Duane Albert: CM: 1 [1 - **3**] - 20 September 1987: Schlitter, Duane Albert: CM: 3, MCZ: 3 [6 - **6** - **9**].

Thekla River: 8 September 1909: Clark, James ("Jamie") L.: AMNH: 1 [1 - **1** - **1**].

Thika: 28 August 1950: Cade, C.E.: FMNH: 3 [3 - **3**] - 30 August 1950: Schwartz, A.; Cade, C.E.: KU: 1 [1 - **1**] - 26 March 1953: ?: Collector Unknown: CAS: 1 [1 - **1**] - 1 June 1965: Williams, John George: ROM: 1 [1 - **1** - **6**].

Thika road: Collection Date Unknown: Koopman, Karl Friedrich: AMNH: 2 [2 - **2** - **2**].

Thika, 16 km N: 27 January 1973: Kyongo, Robert N.: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **3**] - 28 January 1973: Williams, John George: ROM: 8 [8 - **8**] - 29 January 1973: Williams, John George: ROM: 5 [5 - **5**] - 30 January 1973: Williams, John George: ROM: 1 [1 - **1**] - 31 January 1973: Williams, John George: ROM: 4 [4 - **4**] - 1 February 1973: Kyongo, Robert N.: ROM: 1 [1]; Williams, John George: ROM: 11 [11 - **12**] - 2 February 1973: Williams, John George: ROM: 1 [1 - **1** - **34**].

Thika, 6 km N: 3 June 1973: Hutton-Seed, R.: ROM: 1 [1 - **1** - **1**].

Thika, near: 19 October 1972: Williams, John George: ROM: 1 [1 - **1**] - 24 October 1972: Williams, John George: ROM: 1 [1 - **1**] - 27 October 1972: Williams, John George: ROM: 1 [1 - **1** - **3**].

Tiwi: 15 July 1956: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 16 July 1956: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 17 July 1956: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 7 January 1967: Jones, Theo Simpson; Williams, John George: ROM: 1 [1 - **1**] - 3 March 1969: Williams: ROM: 8 [8 - **8**] - 4 March 1969: Kirkham; Williams, A.E.: ROM: 2 [2]; Williams: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **5**] - 5 March 1969: Williams: ROM: 3 [3 - **3**] - 3 August 1972: Barton, Otis J.: ROM: 12 [12 - **12**] - 7 August 1972: Barton, Otis J.: ROM: 41 [41 - **41**] - 8 August 1972: Barton, Otis J.: ROM: 22 [22 - **22**] - 13 October 1975: Mumford, Russell E.: ROM: 3 [3]; Williams, John George: ROM: 4 [4 - **7**] - 14 October 1975: Mumford,

Russell E.: ROM: 16 [16]; Williams, John George: ROM: 15 [15 - **31**] - 16 October 1975: Mumford, Russell E.: ROM: 14 [14]; Williams, John George: ROM: 9 [9 - **23** - **159**].

Tiwi Beach: 4 March 1969: Williams, John George: ROM: 1 [1 - **1**] - 16 October 1975: Mumford, Russell E.; *et al.*: AMNH: 1 [1 - **1**] - 19 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 11 [11 - **11**] - 20 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 7 [7 - **7**] - 23 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 2 [2 - **2**] - 26 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - 8 May 1980: Van Bree, Peter Johannes Hendrikus: ZMA: 2 [2 - **2**] - 26 July 1991: McLellan, L.J.: USNM: 2 [2 - **2**] - 28 July 1991: McLellan, L.J.: USNM: 2 [2 - **2**] - 9 July 1992: McLellan, L.J.: USNM: 2 [2 - **2** - **31**].

Tiwi River delta: 5 July 1974: Barton, Otis J.: ROM: 12 [12 - **12** - **12**].

Tiwi, 1 km N: 17 October 1985: Schlitter, Duane Albert, *et al.*: CM: 1 [1 - **1**] - 19 October 1985: Nelson, Kimberlyn (Kim): MCZ: 10 [10]; Schlitter, Duane Albert, *et al.*: CM: 2 [2 - **12** - **13**].

Tiwi, NW of: Collection Date Unknown: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Tororo: 23 May 1965: ?: Collector Unknown: ROM: 3 [3 - **3** - **3**].

Tororo, 30 mi [= 48 km] E: 23 May 1965: Hayward, Bruce Joliffe: FMNH: 2 [2]; Williams, John George: ROM: 7 [7 - **9**] - 24 May 1965: Williams, John George: ROM: 5 [5 - **5** - **14**].

Tororo, 30 mi E: 24 May 1965: Williams, John George: ROM: 2 [2 - **2** - **2**].

Trans Nzoia district: Collection Date Unknown: ?: Collector Unknown: NMK: 1 [1 - **1** - **1**].

Trans-Nzoia district: Collection Date Unknown: Pitman, Charles Robert Senhouse: BMNH: 1 [1 - **1**] - 16 June 1966: Williams, A.E.: ROM: 1 [1 - **1** - **2**].

Tsavo: 4 July 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 30 March 1934: Loveridge, Arthur: MCZ: 7 [7 - **7** - **8**].

Tsavo East-NP, Mudanda Rock Crevices: 29 May 1965: Foster, J.B.: ROM: 1 [1 - **1**] - 3 June 1965: Foster, J.B.: ROM: 1 [1 - **1**] - 5 September 1966: Foster, J.B.: ROM: 1 [1]; Jabbal, I.: ROM: 1 [1]; Kiara, S.K.: ROM: 1 [1]; Modha: ROM: 1 [1 - **4** - **6**].

Tsavo East-NP, Rhino Corner: 17 August 1964: Foster, J.B.: ROM: 1 [1 - **1**] - 29 May 1965: Otuba, J.E.: ROM: 1 [1 - **1**] - 1 October 1965: Foster, J.B.: ROM: 1 [1 - **1**] - 5 September 1966: Kiara, S.K.: ROM: 2 [2 - **2** - **5**].

Tsavo West National Park, NW of Kilaguni Lodge: 13 May 1980: Van Bree, Peter Johannes Hendrikus: ZMA: 5 [5 - **5** - **5**].

Tsavo-East-NP: 23 July 1968: Williams, John George: ROM: 1 [1 - **1** - **1**].

Turah: 2 October 1911: Heller, Edmund: USNM: 1 [1 - **1** - **1**].

Turkana, lake: Collection Date Unknown: Start, Anthony N.: BMNH: 4 [4 - **4** - **4**].

Turkwell: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].

Turkwell Gorge: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1]; Jackson, F.J.: BMNH: 1 [1 - **2**] - 13 September 1966: Williams, John George: ROM: 3 [3 - **3**] - 27 May 1972: Barton, Otis J.: ROM: 5 [5 - **5**] - 28 May 1972: Barton, Otis J.: ROM: 10 [10 - **10**] - 29 May 1972: Barton, Otis J.: ROM: 10 [10 - **10**] - 19 May 1974: Barton, Otis J.: ROM: 3 [3 - **3** - **33**].

Turkwell river: 14 September 1966: ?: Collector Unknown: ROM: 1 [1 - **1**] - 22 June 1974: Barton, Otis J.: ROM: 11 [11 - **11** - **12**].

Uasin Gishu District: 23 December 1912: Richardson, Jenness: AMNH: 2 [2 - **2** - **2**].

Ukamba [=Kitui]: Collection Date Unknown: Hildebrandt, Johann Maria: ZMB: 2 [2 - **2** - **2**].

Ukunda: 26 October 1970: Kyongo, Robert N.: LACM: 1 [1 - **1** - **1**].

Ukunda, 1 km S, 0.5 km E: 17 October 1985: Nelson, Kimberlyn (Kim): MCZ: 3 [3 - **3** - **3**].

Ukunda, 2.5 km E: 6 October 1982: Robbins, Lynn W.: TTU: 10 [10 - **10** - **10**].

Ukunda, 3 km E: 17 October 1985: Nelson, Kimberlyn (Kim): MCZ: 8 [8 - **8** - **8**].

Ukunda, 3.5 km S, 1 km E: 17 October 1985: Schlitter, Duane Albert: MCZ: 1 [1 - **1** - **1**].

Ukunda, cave: 18 June 1964: Roberts, J.: USNM: 1 [1 - **1** - **1**].

Ukwala: 21 May 1965: Williams, John George: ROM: 1 [1 - **1**] - 20 August 1965: Williams, John George: ROM: 5 [5 - **5**] - 21 August 1965: Williams, John George: ROM: 1 [1 - **1**] - 20 September 1965: Williams, John George: ROM: 5 [5 - **5** - **12**].

Ulu: 5 April 1964: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1**] - 1 June 1965: Williams, John George: ROM: 1 [1 - **1** - **2**].

Ulucania Hills: 27 November 1909: Loring, John Alden: USNM: 3 [3 - **3**] - 28 November 1909: Loring, John Alden: USNM: 1 [1 - **1**] - 29 November 1909: Loring, John Alden: USNM: 3 [3 - **3** - **7**].

Undefined locality: 15 September 1969: Start, Anthony N.: WAM: 1 [1 - **1** - **1**].

University of Nairobi: 13 May 1967: Hamilton, William J.: MVZ: 1 [1 - **1**] - 19 May 1967: Hamilton, William J.: MVZ: 1 [1 - **1**] - 22 May 1967: Hamilton, William J.: MVZ: 2 [2 - **2**] - 23 May 1967: Hamilton, William J.: MVZ: 2 [2 - **2**] - 29 May 1967: Hamilton, William J.: MVZ: 2 [2 - **2**] - 30 May 1967: Hamilton, William J.: MVZ: 4 [4 - **4**] - 31 May 1967: Hamilton, William J.: MVZ: 3 [3 - **3**] - 3 June 1967: Hamilton, William J.: MVZ: 3 [3 - **3**] - 5 June 1967: Hamilton, William J.: MVZ: 5 [5 - **5**] - 6 June 1967: Hamilton, William J.: MVZ: 3 [3 - **3**] - 7 June 1967: Hamilton, William J.: MVZ: 2 [2 - **2**] - 8 June 1967: Hamilton, William J.: MVZ: 3 [3 - **3**] - 13 June 1967: Hamilton, William J.: MVZ: 4 [4 - **4**] - 14 June 1967: Hamilton, William J.: MVZ: 1 [1 - **1**] - 22 June 1967: Hamilton, William J.: MVZ: 1 [1 - **1** - **37**].

unspecified locality: Collection Date Unknown: Kyongo, Robert N.: LACM: 1 [1 - **1**] - 9 June 1958: Williams, John George: LACM: 1 [1 - **1**] - 12 August 1969: ?: Collector Unknown: LACM: 1 [1 - **1** - **3**].

Ushindo [=Ushingo]: Collection Date Unknown: Stuhlmann, Franz Ludwig: ZMB: 1 [1 - **1** - **1**].

Utwani Forest Reserve: 19 December 1962: Keith, S.: AMNH: 3 [3 - **3** - **3**].

Vasco de Gama Point: 1 December 1954: Fowler, J.P.: HZM: 1 [1 - **1** - **1**].

Vipingo: 1 August 1972: Barton, Otis J.: ROM: 26 [26 - **26**] - 2 August 1972: Barton, Otis J.: ROM: 77 [77 - **77**] - 4 July 1974: Barton, Otis J.: ROM: 20 [20 - **20**] - 6 July 1974: Barton, Otis J.: ROM: 13 [13 - **13** - **136**].

Vipingo cave: 18 August 1963: Mumford, Russell E.: ROM: 15, USNM: 14 [29 - **29**] - 15 August 1965: Williams, John George: ROM: 5 [5 - **5** - **34**].

Vipingoni: Collection Date Unknown: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 18 August 1963: Mumford, Russell E.: ROM: 5 [5 - **5**] - 12 August 1965: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **10**].

Vipingoni cave: 18 August 1963: Hayward, Bruce Joliffe: FMNH: 15 [15 - **15**] - 12 August 1965: Hayward, Bruce Joliffe: FMNH: 6, TTU: 1, WNMU: 2 [9 - **9** - **24**].

Voi: 29 October 1911: Heller, Edmund: USNM: 1 [1 - **1**] - 7 April 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 11 April 1934: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 17 March 1935: Benzon, Boye: ZMUC: 1 [1 - **1**] - 26 April 1938: Goodwin, George G.: AMNH: 3 [3 - **3**] - 27 April 1938: Goodwin, George G.: AMNH: 1 [1 - **1**] - 28 April 1938: Goodwin, George G.: AMNH: 3 [3 - **3**] - 29 April 1938: Goodwin, George G.: AMNH: 2 [2 - **2**] - 30 April 1938: Goodwin, George G.: AMNH: 3 [3 - **3**] - 1 May 1938: Goodwin, George G.: AMNH: 17 [17 - **17**] - 2 May 1938: Goodwin, George G.: AMNH: 7 [7 - **7**] - 18 May 1938: Goodwin,

George G.: AMNH: 1 [1 - **1**] - 1 March 1958: : SMF: 2 [2 - **2**] - 17 June 1958: ?: Collector Unknown: CAS: 5 [5 - **5**] - 16 July 1962: Harrison, David Lakin: ROM: 1 [1 - **1**] - 30 May 1964: Foster, J.B.: ROM: 1 [1 - **1**] - 7 September 1966: Foster, J.B.: ROM: 1 [1 - **1**] - 8 September 1966: Monks, D.; Foster, J.B.: ROM: 2 [2 - **2**] - 9 September 1966: Fiqueiredo, B.J.V.: ROM: 1 [1]; Gathura, Peter Baaro: ROM: 1 [1 - **2**] - 10 July 1968: Hayward, Bruce Joliffe: USNM: 5 [5 - **5**] - 11 July 1968: Hayward, Bruce Joliffe: USNM: 4 [4 - **4** - **64**].

Voi, 2 mi [= 3.2 km] N: 10 July 1968: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **2**].

Voi, 30 km SE: Collection Date Unknown: ?: Collector Unknown: ROM: 2 [2 - **2**] - 1 October 1976: Hutton-Seed, R.: ROM: 1 [1 - **1**] - 22 October 1976: Hutton-Seed, R.: ROM: 1 [1 - **1**] - 27 October 1976: Hutton-Seed, R.: ROM: 1 [1 - **1**] - 30 October 1976: Hutton-Seed, R.: ROM: 2 [2 - **2**] - 21 November 1976: Hutton-Seed, R.: ROM: 2 [2 - **2**] - 22 November 1976: Hutton-Seed, R.: ROM: 4 [4 - **4**] - 1 December 1976: Hutton-Seed, R.: ROM: 1 [1 - **1** - **14**].

Waa: 25 October 1963: ?: Collector Unknown: LACM: 2 [2 - **2**] - 1 September 1964: Foster, J.B.: ROM: 1 [1 - **1**] - 7 September 1964: Foster, J.B.: ROM: 1 [1 - **1**] - 8 July 1974: Barton, Otis J.: ROM: 19 [19 - **19**] - 10 July 1974: Barton, Otis J.: ROM: 14, SAMA: 1 [15 - **15** - **38**].

Wacoumbas cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Wajir: 16 May 1957: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Wangala: 13 May 1973: Hutton-Seed, R.: ROM: 2 [2]; Williams, John George: ROM: 33 [33 - **35** - **35**].

Wangala Station: 12 April 1973: Hutton-Seed, R.: ROM: 2 [2 - **2** - **2**].

Watamu: Collection Date Unknown: ?: Collector Unknown: AMS: 1 [1 - **1**] - 28 August 1965: Foster, J.B.: ROM: 1 [1 - **1**] - 1 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 1 [1 - **1**] - 2 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 8 [8 - **8**] - 3 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 5 [5]; Smeenk, Chris: RMNH: 1 [1 - **6**] - 4 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 5 [5 - **5**] - 6 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 3 [3 - **3**] - 7 October 1979: Bergmans, Wim; Bergmans, E.: ZMA: 7 [7 - **7** - **32**].

Watamu Beach: 31 August 1965: Foster, J.B.: ROM: 1 [1 - **1**] - 1 September 1965: Foster, J.B.: ROM: 1 [1 - **1**] - 2 October 1979: ?: Collector Unknown: ZMA: 1 [1 - **1** - **3**].

Water treatment site: 31 July 2014: Webala, Paul W.: MMU: 2 [2 - **2**] - 1 August 2014: Webala, Paul W.: MMU: 1 [1 - **1** - **3**].

Wei Wei River: Collection Date Unknown: ?: Collector Unknown: BMNH: 5, LACM: 4, ROM: 5 [14]; Schlitter, Duane Albert: CM: 8 [8]; Start, Anthony N.: BMNH: 1 [1 - **23**] - 11 December 1965: Williams, John George: ROM: 2 [2 - **2**] - 17 December 1965: Williams, John George: ROM: 1 [1 - **1**] - 1 February 1966: ?: Collector Unknown: ROM: 1 [1]; Jones, John: ROM: 2 [2]; Williams, John George; Jones, J.: ROM: 4 [4 - **7**] - 1 October 1966: Start, Anthony N.: BMNH: 25 [25 - **25**] - 21 October 1966: Start, Anthony N.: BMNH: 1 [1 - **1**] - 1 January 1967: Start, Anthony N.: BMNH: 2 [2 - **2**] - 22 August 1967: Start, Anthony N.: BMNH: 1 [1 - **1**] - 25 August 1967: Start, Anthony N.: BMNH: 1 [1 - **1** - **63**].

Wei Wei River bridge: Collection Date Unknown: ?: Collector Unknown: CM: 2 [2 - **2** - **2**].

West Lands: 15 May 1966: Williams, John George: ROM: 1 [1 - **1**] - 17 May 1966: Williams, John George: ROM: 2 [2 - **2** - **3**].

West Nyanza district: 1 August 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

West Pokot: 17 September 1969: Stager, Kenneth E.: LACM: 3 [3 - **3** - **3**].

West Pokot Escarpement: 17 July 1966: Kelly, P.J.: ROM: 83 [83 - **83** - **83**].

Western: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].

Western [former] province: 1 December 1970: ?: Collector Unknown: SMF: 2 [2 - **2**] - 13 December 1970: ?: Collector Unknown: SMF: 5 [5 - **5**] - 16 December 1970: ?: Collector Unknown: SMF: 7 [7 - **7**] - 12 March 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 May 1971: ?: Collector Unknown: SMF: 1 [1 - **1** - **16**].

Western province: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1** - **1**].

Westwood Park Hotel: 18 January 1982: Walen, A.: ZMA: 9 [9 - **9** - **9**].

Witu: 1 June 1934: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Witu Forest: 11 March 1973: Stager, Kenneth E.: LACM: 6 [6 - **6** - **6**].

Yala river: Collection Date Unknown: ?: Collector Unknown: BMNH: 5 [5]; Turner, A.: NRM: 1 [1 - **6**] - 1 January 1913: Gerard, E.; Turner, H.J.A.(?): BMNH: 1 [1 - **1**] - 9 November 1913: Turner, H.J.A.: BMNH: 1 [1 - **1**] - 13 November 1913: Turner, H.J.A.: USNM: 1 [1 - **1**] - 16 November 1913: Gerard, E.; Turner, H.J.A.(?): BMNH: 1 [1]; Turner, H.J.A.: USNM: 1 [1 - **2**] - 18 November 1913: Turner, H.J.A.: USNM: 2 [2 - **2**] - 20 November 1913: Turner, H.J.A.: USNM: 1 [1 - **1**] - 23 November 1913: Gerard, E.; Turner, H.J.A.(?): BMNH: 1 [1]; Turner, H.J.A.: USNM: 1 [1 - **2**] - 24 November 1913: Turner, H.J.A.: USNM: 1 [1 - **1**] - 25 November 1913: Turner, H.J.A.: USNM: 3 [3 - **3**] - 29 November 1913: Turner, H.J.A.: USNM: 1 [1 - **1**] - 1 December 1913: Gerard, E.; Turner, H.J.A.(?): BMNH: 1 [1]; Turner, H.J.A.: USNM: 2 [2 - **3**] - 2 December 1913: Turner, H.J.A.: USNM: 1 [1 - **1**] - 8 November 1915: de Sudermanie: RMCA: 1 [1 - **1**] - 9 November 1915: de Sudermanie: RMCA: 1 [1]; Turner, A.: NRM: 1 [1 - **2**] - 10 November 1915: de Sudermanie: RMCA: 1 [1]; Turner, A.: NRM: 3 [3 - **4**] - 11 November 1915: de Sudermanie: RMCA: 1 [1]; Turner, A.: NRM: 1 [1 - **2**] - 12 November 1915: Turner, A.: NRM: 1 [1 - **1**] - 13 November 1915: Turner, A.: NRM: 4 [4 - **4**] - 19 November 1915: Turner, A.: NRM: 2 [2 - **2**] - 30 November 1915: Turner, A.: NRM: 1 [1 - **1**] - 5 December 1915: Allen, H.J.; Turner, H.J.A.: NRM: 1 [1 - **1** - **43**].

Yale River: 5 October 1915: Turner, A.: NMK: 2 [2 - **2**] - 20 October 1915: Turner, A.: NMK: 3 [3 - **3** - **5**].

Yatter: 5 May 1967: Sillu, David M.: RMCA: 1 [1 - **1** - **1**].

Total Specimens for Kenya: 14528

Lesotho

Unknown locality: Collection Date Unknown: BMNH: 9 [9 - **9** - **9**].

Botsoela [= Malealea]: Collection Date Unknown: ?: Collector Unknown: NMB: 2 [2 - **2**] - 20 October 1992: ?: Collector Unknown: NMB: 1 [1 - **1**] - 21 October 1992: ?: Collector Unknown: NMB: 1 [1 - **1** - **4**].

Fort Hartley, 10 mi NE [=Quthing, 10 mi NE]: 14 March 1968: Lambrechts, A.V.W.: USNM: 1 [1 - **1**] - 15 March 1968: Lambrechts, A.V.W.: USNM: 16 [16 - **16** - **17**].

Hermon: 1 January 1891: ?: Collector Unknown: USNM: 1 [1 - **1**] - 1 October 1891: Christol, Frédéric: MSNG: 3 [3 - **3** - **4**].

Holomo: Collection Date Unknown: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Liqhobong: 1 September 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Marakabei: Collection Date Unknown: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Maseru: 17 October 1989: ?: Collector Unknown: NMB: 4 [4 - **4**] - 18 October 1989: ?: Collector Unknown: NMB: 6 [6 - **6**] - 19 October 1989: ?: Collector Unknown: NMB: 5 [5 - **5** - **15**].

Mokhotlong: 10 February 1989: ?: Collector Unknown: NMB: 27 [27 - **27** - **27**].
Nkokomele, near: 10 February 1989: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].
Oxbow: 20 February 1992: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Pelaneng: 17 April 1989: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Pelaneng River, along: 23 August 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Quacha's Neck [= White Hill]: 29 January 1992: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].
Quthing: Collection Date Unknown: ?: Collector Unknown: NMB: 7 [7 - **7**] - 11 November 1991: ?: Collector Unknown: NMB: 1 [1 - **1**] - 12 November 1991: ?: Collector Unknown: NMB: 1 [1 - **1**] - 13 November 1991: ?: Collector Unknown: NMB: 1 [1 - **1** - **10**].
Sehlabathebe-NP: 21 November 1988: ?: Collector Unknown: KM: 1, NMB: 2 [3 - **3** - **3**].
Sehlabathebe-NP, small dam: 21 November 1988: ?: Collector Unknown: NMB: 8 [8 - **8** - **8**].
Sehonghong: 5 March 1992: ?: Collector Unknown: NMB: 2 [2 - **2**] - 10 March 1992: ?: Collector Unknown: NMB: 2 [2 - **2** - **4**].
Semonkong: 12 December 1991: ?: Collector Unknown: NMB: 20 [20 - **20** - **20**].
Seribe: 1 January 1893: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Teyateyaneng: 15 November 1932: Guilbormod, Jacot: TM: 2 [2 - **2** - **2**].
Thaba Tseka: 19 October 1989: ?: Collector Unknown: NMB: 1 [1 - **1**] - 20 October 1989: ?: Collector Unknown: NMB: 1 [1 - **1** - **2**].
Thaba-Tseka: 16 October 1991: ?: Collector Unknown: NMB: 3 [3 - **3**] - 1 November 1999: ?: Collector Unknown: NMB: 1 [1 - **1** - **4**].

Total Specimens for Lesotho: 144

Liberia

Unknown locality: Collection Date Unknown: BMNH: 142, DNSM: 16, RMNH: 1, SMF: 32, ZMA: 1 [192]; Büttikofer, Johan: RMNH: 4 [4]; Büttikofer, Johan; Sala, C.F.: RMNH: 1 [1]; Cooper, G.P.: YPM: 1 [1]; Demery, Jackson: RMNH: 1 [1]; Johnson: RMCA: 1 [1]; Oxford University Expedition to Mount Nimba, The: BMNH: 4 [4]; Schlüter, Wilhelm: USNM: 1 [1]; Stampfli, F.X.: RMNH: 4 [4]; Stampfli, F.X.; Büttikofer, Johan: RMNH: 3 [3]; Verschuren, Jacques: RBINS: 8 [8]; Voros, Andrew S.: AMNH: 1 [1 - **221**] - 1 June 1892: Cook, Orator Fuller: USNM: 1 [1 - **1**] - 27 July 1926: Harvard African Expedition, The: MCZ: 2 [2 - **2**] - 1 August 1926: Harvard African Expedition, The: MCZ: 1 [1 - **1**] - 23 October 1926: Harvard African Expedition, The: MCZ: 1 [1 - **1**] - 11 April 1963: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 July 1965: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 10 August 1978: ?: Collector Unknown: BMNH: 3 [3]; Oxford University Expedition to Mount Nimba, The: BMNH: 1 [1 - **4**] - 27 February 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 12 March 1992: ?: Collector Unknown: SMF: 2 [2 - **2**] - 18 March 1992: ?: Collector Unknown: SMF: 2 [2 - **2**] - 22 March 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 April 1997: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 April 1998: ?: Collector Unknown: SMF: 1 [1 - **1** - **240**].
Baloma: 1 May 1970: Johnson: RMCA: 1 [1 - **1** - **1**].
Bangah: 1 October 1926: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - 21 October 1926: Allen, Glover Morrill: FMNH: 1, MCZ: 1 [2 - **2** - **4**].
Barclay, mount [see Rosevear: Collection Date Unknown: Burting (or Bunting), R.K. (or R.H.): BMNH: 1 [1 - **1** - **1**].
Basse-Iti: 24 February 1966: : RBINS: 1 [1 - **1** - **1**].
Belle Yella: 10 February 1970: Johnson: RMCA: 3 [3 - **3** - **3**].
Bendu: 3 May 1969: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Bentor: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Bomi Wood Concession: Collection Date Unknown: Voros, Andrew S.: AMNH: 4 [4 - **4**] - 10 November 1985: Voros, Andrew S.: AMNH: 2 [2 - **2**] - 1 December 1985: Voros, Andrew S.: AMNH: 5 [5 - **5**] - 11 December 1985: Voros, Andrew S.: AMNH: 1 [1 - **1** - **12**].
Bomi Wood Concession, near: 11 December 1985: Voros, Andrew S.: AMNH: 4 [4 - **4** - **4**].
Boni Hills logging concession: 31 January 1986: Voros, Andrew S.: AMNH: 2 [2 - **2** - **2**].
Bopolu: 22 July 1980: Johnson: RMCA: 3 [3 - **3**] - 24 July 1980: Johnson: RMCA: 3 [3 - **3**] - 26 July 1980: Johnson: RMCA: 2 [2 - **2**] - 29 July 1980: Johnson: RMCA: 2 [2 - **2** - **10**].
Buluma: 19 April 1881: : RMNH: 1 [1 - **1** - **1**].
C.L.C.: 22 March 1980: Rigaux, P.; Louette, Michel: RMCA: 3 [3 - **3** - **3**].
Camp III: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Cape Palmas: Collection Date Unknown: Steele, Th.R.: USNM: 2 [2 - **2** - **2**].
Cape Palmas, near: 8 April 1915: Kiekebusch, S.: ZMB: 1 [1 - **1** - **1**].
Ceasar's Beach: 5 November 1983: Voros, Andrew S.: AMNH: 3 [3 - **3** - **3**].
Ceasar's Beach, near: 4 November 1983: Voros, Andrew S.: AMNH: 2 [2 - **2** - **2**].
Coffee, Mount: 1 May 1894: Cook, Orator Fuller: USNM: 2 [2 - **2**] - 14 May 1969: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **3**].
Cuttington University College: 27 November 1988: Kofron, Christopher P.: AMNH: 1 [1 - **1**] - 1 December 1988: Kofron, Christopher P.: AMNH: 1 [1 - **1**] - 5 December 1988: Kofron, Christopher P.: AMNH: 1 [1 - **1**] - 7 December 1988: Kofron, Christopher P.: AMNH: 5 [5 - **5**] - 30 December 1988: Kofron, Christopher P.: AMNH: 1 [1 - **1**] - 8 January 1989: Kofron, Christopher P.: AMNH: 1 [1 - **1**] - 25 March 1989: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **11**].
Degie: 19 May 1973: Johnson: RMCA: 1 [1 - **1** - **1**].
Division 24 Camp [see: Division Twenty-Four [Labor] Camp]: 2 May 1944: Burgess,H.H.: AMNH: 1 [1 - **1** - **1**].
Du River: 27 July 1926: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - 2 August 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 6 August 1926: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - 7 August 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 13 August 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 14 August 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **8**].
Duo Town: 24 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 25 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 26 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 27 March 1980: Rigaux, P.; Louette, Michel: RMCA: 2 [2 - **2**] - 28 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 29 March 1980: Rigaux, P.; Louette, Michel: RMCA: 3 [3 - **3**] - 30 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **10**].
Duside Plantation: 28 June 1940: Tate, George Henry Hamilton: AMNH: 3 [3 - **3**] - 30 June 1940: Tate, George Henry Hamilton: AMNH: 1 [1 - **1**] - 7 August 1940: Tate, George Henry Hamilton: AMNH: 1 [1 - **1** - **5**].

East Grassfield: 30 November 1965: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 January 1966: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 9 May 1966: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 28 September 1966: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 27 December 1966: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 30 January 1967: ?: Collector Unknown: MNHN: 7 [7 - **7**] - 8 February 1967: ?: Collector Unknown: MNHN: 3 [3 - **3** - **20**].
Elwa Swamp: 15 April 1983: Voros, Andrew S.: AMNH: 8 [8 - **8**] - 15 April 1984: Voros, Andrew S.: AMNH: 2 [2 - **2** - **10**].
Elwa Swamp, near: 15 April 1984: Voros, Andrew S.: AMNH: 1 [1 - **1** - **1**].
Fanti: Collection Date Unknown: Scharpe: ZMB: 1 [1]; Sharpe: ZMB: 1 [1 - **2** - **2**].
Fapé: 17 June 2011: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 5 July 2011: ?: Collector Unknown: MNHN: 9 [9 - **9**] - 6 July 2011: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 7 July 2011: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 8 July 2011: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 11 July 2011: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 12 July 2011: ?: Collector Unknown: MNHN: 7 [7 - **7**] - 13 July 2011: ?: Collector Unknown: MNHN: 6 [6 - **6**] - 14 July 2011: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 15 July 2011: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 16 July 2011: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 18 July 2011: ?: Collector Unknown: MNHN: 3 [3 - **3** - **67**].
Farmington river: 1 July 1887: Stampfli, F.X.: RMNH: 1 [1 - **1** - **1**].
Firestone: 11 August 1926: Allen, Glover Morrill: MCZ: 5 [5 - **5** - **5**].
Firestone Plantation: 1 January 1946: Beatty, Harry A.: MVZ: 2 [2 - **2**] - 5 January 1946: Beatty, Harry A.: MVZ: 1 [1 - **1**] - 3 March 1946: Beatty, Harry A.: MVZ: 4 [4 - **4**] - 1 June 1946: Beatty, Harry A.: FMNH: 2 [2 - **2**] - 5 January 1947: Beatty, Harry A.: MVZ: 1 [1 - **1**] - 15 June 1947: Beatty, Harry A.: MVZ: 1 [1 - **1**] - 21 June 1947: Beatty, Harry A.: MVZ: 9 [9 - **9**] - 1 November 1947: Beatty, Harry A.: MVZ: 1 [1 - **1**] - 19 July 1963: Weyer, A.E.: AMNH: 7 [7 - **7** - **28**].
Gabagea River: Collection Date Unknown: Dickerman, Robert W.: AMNH: 5 [5 - **5**] - 16 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 20 March 1990: Dickerman, Robert W.: AMNH: 3 [3 - **3**] - 21 March 1990: Dickerman, Robert W.: AMNH: 8 [8 - **8**] - 22 March 1990: Dickerman, Robert W.: AMNH: 11 [11 - **11**] - 23 March 1990: Dickerman, Robert W.: AMNH: 14 [14 - **14**] - 24 March 1990: Dickerman, Robert W.: AMNH: 10 [10 - **10**] - 25 March 1990: Dickerman, Robert W.: AMNH: 7 [7 - **7**] - 26 March 1990: Dickerman, Robert W.: AMNH: 9 [9 - **9**] - 27 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **71**].
Ganta: 1 August 1932: Harley, G.W.: AMNH: 3 [3 - **3**] - 10 September 1932: Harley, G.W.: AMNH: 1 [1 - **1** - **4**].
Gbapa: 18 December 1965: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Gbarnga: 17 September 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].
Gbarnqay: 23 July 1980: Johnson: RMCA: 2 [2 - **2**] - 27 July 1980: Johnson: RMCA: 1 [1 - **1** - **3**].
Gomutown: 15 June 1980: Johnson: RMCA: 1 [1 - **1** - **1**].
Grand Bassa: Collection Date Unknown: : BMNH: 1 [1]; McCloy, A.: BMNH: 1 [1 - **2** - **2**].
Grand Lapin: 28 June 1892: Demery, Jackson: MCZ: 1 [1 - **1** - **1**].
Grassfield: 11 July 1978: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1**] - 26 July 1978: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1**] - 8 March 1980: Rigaux, P.; Louette, Michel: RMCA: 4 [4 - **4**] - 9 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 10 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 11 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 12 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 13 March 1980: Rigaux, P.; Louette, Michel: RMCA: 2 [2 - **2**] - 15 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 16 March 1980: Rigaux, P.; Louette, Michel: RMCA: 5 [5 - **5** - **18**].
Grassfield forest: 13 December 1966: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Grassfield savanna: 24 October 1966: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Greenville: 24 March 1988: Dickerman, Robert W.: AMNH: 3 [3 - **3** - **3**].
Gwene Town: 6 May 1969: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **1**].
Harbel: Collection Date Unknown: : LACM: 1 [1]; Mann, William M.: USNM: 1 [1 - **2**] - 1 January 1940: Mann, William M.: USNM: 1 [1 - **1**] - 5 July 1948: Beatty, Harry A.: MVZ: 2 [2 - **2**] - 29 October 1964: Taylor, Edward Harrison: KU: 1 [1 - **1**] - 1 July 1968: Taylor, Edward Harrison: KU: 1 [1 - **1** - **7**].
Harbel, Firestone Plantations: 30 January 1963: Weyer, D.: AMNH: 1 [1 - **1** - **1**].
Hendi: 20 November 1988: Kofron, Christopher P.: AMNH: 2 [2 - **2** - **2**].
Hilltown: 1 June 1988: Stampfli, F.X.; Büttikofer, Johan: RMNH: 1 [1 - **1** - **1**].
Iti: Collection Date Unknown: Verschuren, Jacques: RBINS: 9 [9 - **9**] - 12 February 1966: Verschuren, Jacques: RBINS: 1 [1 - **1** - **10**].
Iti Riviere: 31 January 1966: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].
Jaoudi, 12 mi SSE: 8 April 1988: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **1**].
Jaoudi, ca. 12 mi SSE: 3 April 1988: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - 4 April 1988: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - 7 April 1988: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 8 April 1988: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 11 April 1988: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - 8 April 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **8**].
John Hegbe farm: 3 September 1983: Voros, Andrew S.: AMNH: 1 [1 - **1** - **1**].
John Town: 3 September 1983: Voros, Andrew S.: AMNH: 1 [1 - **1** - **1**].
Juarzon: 16 May 1984: Voros, Andrew S.: AMNH: 4 [4 - **4**] - 17 May 1984: Voros, Andrew S.: AMNH: 4 [4 - **4**] - 28 March 1988: Dickerman, Robert W.: AMNH: 5 [5 - **5**] - 29 March 1988: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - 31 March 1988: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **16**].
Kassata: 28 September 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **1**].
Kluga: Collection Date Unknown: Voros, Andrew S.: AMNH: 2 [2 - **2**] - 7 August 1983: Voros, Andrew S.: AMNH: 1 [1 - **1** - **3**].
Kluga mountains: 28 April 1983: Voros, Andrew S.: AMNH: 1 [1 - **1**] - 7 August 1983: Voros, Andrew S.: AMNH: 1 [1 - **1**] - 3 September 1983: Voros, Andrew S.: AMNH: 1 [1 - **1** - **3**].
Kpatwee Falls: 30 December 1988: Kofron, Christopher P.: AMNH: 17 [17 - **17**] - 31 December 1988: Kofron, Christopher P.: AMNH: 1 [1 - **1**] - 1 January 1989: Kofron, Christopher P.: AMNH: 1 [1 - **1**] - 2 January 1989: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **20**].
Kpawolozu: 29 January 1971: Johnson: RMCA: 1 [1 - **1** - **1**].
Kpeaple: 21 September 1960: Himmelheber, Hans: SMF: 4 [4 - **4** - **4**].
L.T.C.: 27 February 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 29 February 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1**] - 3 March 1980: Rigaux, P.; Louette, Michel: RMCA: 1 [1 - **1** - **3**].
Lengatown: 13 August 1926: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - 17 August 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 18 August 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **4**].
Mano river: 10 October 1970: Johnson: RMCA: 3 [3 - **3**] - 9 January 1974: Johnson: RMCA: 1 [1 - **1** - **4**].
Marshall Territory: 1 March 1956: Bray, R.S.: AMNH: 1 [1 - **1** - **1**].
Miamu: 29 August 1926: Allen, Glover Morrill: MCZ: 2 [2 - **2**] - 1 September 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1** - **3**].

Monrovia: 1 July 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 15 July 1926: Allen, Glover Morrill: MCZ: 1 [1 - **1**] - 16 July 1926: Allen, Glover Morrill: FMNH: 2 [2]; Harvard African Expedition, The: MCZ: 9 [9 - **11**] - 21 July 1926: Harvard African Expedition, The: MCZ: 3 [3 - **3**] - 29 August 1926: Allen, Glover Morrill: FMNH: 1 [1 - **1**] - 1 August 1964: Wilkes, L.W.: HZM: 4 [4 - **4** - **21**].

Mount Coffee: 1 January 1897: Cook, Orator Fuller; Collins, Guy N.: USNM: 1 [1 - **1**] - 3 January 1897: Currie, Rolla Patterson: USNM: 1 [1 - **1**] - 23 February 1897: Currie, Rolla Patterson: USNM: 1 [1 - **1**] - 27 March 1897: ?: Collector Unknown: USNM: 1 [1 - **1**] - 1 April 1897: Currie, Rolla Patterson: USNM: 2 [2 - **2**] - 16 April 1897: Currie, Rolla Patterson: USNM: 1 [1 - **1**] - 22 April 1897: Currie, Rolla Patterson: USNM: 1 [1 - **1** - **8**].

Mount Nimba: Collection Date Unknown: ?: Collector Unknown: AMS: 1, BMNH: 2, DNSM: 25, MNHN: 4 [32]; : RBINS: 3 [3]; Coe, Malcolm J.: BMNH: 15 [15]; McCoe: BMNH: 2 [2]; Oxford University Expedition to Mount Nimba, The: BMNH: 2 [2]; Verschuren, Jacques: RBINS: 121 [121 - **175**] - 19 May 1905: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 1 January 1965: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 2 August 1965: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 15 December 1965: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 25 December 1965: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 17 January 1966: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 19 January 1966: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 20 January 1966: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 22 January 1966: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 30 January 1966: Verschuren, Jacques: RBINS: 3 [3 - **3**] - 6 February 1966: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 2 May 1966: Coe, Malcolm J.: BMNH: 1 [1 - **1**] - 12 May 1966: Coe, Malcolm J.: BMNH: 3 [3 - **3**] - 15 July 1966: Coe, Malcolm J.: BMNH: 1 [1 - **1**] - 19 July 1966: Coe, Malcolm J.: BMNH: 1 [1 - **1**] - 2 August 1966: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 1 January 1982: Gatter, Wulf: SMF: 2 [2 - **2**] - 23 December 2011: Monadjem, Ara: DNSM: 1 [1 - **1** - **201**].

Mount Nimba East: Collection Date Unknown: Verschuren, Jacques: RBINS: 3 [3 - **3** - **3**].

Mount Nimba West: Collection Date Unknown: Verschuren, Jacques: RBINS: 33 [33 - **33**] - 6 February 1966: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 12 March 1966: ?: Collector Unknown: RBINS: 1 [1 - **1** - **35**].

Muhlenberg Mission: 19 October 1880: Büttikofer, Johan; Sala, C.F.: RMNH: 1 [1 - **1** - **1**].

Mühlenburg-Mission: 19 October 1880: Büttikofer, Johan; Sala, C.F.: RMNH: 1 [1 - **1** - **1**].

Nanna Kru: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].

New Camp Forest: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Ngilima: 16 December 1982: Voros, Andrew S.: AMNH: 3 [3 - **3**] - 6 May 1983: Voros, Andrew S.: AMNH: 1 [1 - **1**] - 11 August 1983: Voros, Andrew S.: AMNH: 1 [1 - **1** - **5**].

Nimba county: 11 April 1963: ?: Collector Unknown: SMF: 115 [115 - **115** - **115**].

Nimba East: Collection Date Unknown: Verschuren, Jacques: RBINS: 6 [6 - **6**] - 2 February 1966: Verschuren, Jacques: RBINS: 1 [1 - **1** - **7**].

Nimba West: Collection Date Unknown: Verschuren, Jacques: RBINS: 4 [4 - **4** - **4**].

Nimba, mount: 2 March 1966: Verschuren, Jacques: RBINS: 1 [1 - **1** - **1**].

North Beeton: 26 August 1978: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **1**].

Old Mine Road: Collection Date Unknown: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 10 [10 - **10** - **10**].

Paiata: 1 October 1926: Allen, Glover Morrill; Linder, David H.: MCZ: 1 [1 - **1** - **1**].

Paul Town: 18 May 1980: Johnson: RMCA: 2 [2 - **2**] - 20 May 1980: Johnson: RMCA: 2 [2 - **2**] - 4 June 1980: Johnson: RMCA: 1 [1 - **1** - **5**].

Paynesville: 14 June 1971: Schlitter, Duane Albert: USNM: 1 [1 - **1** - **1**].

Peahtah: 8 October 1926: Allen, Glover Morrill; Linder, David H.: MCZ: 1 [1 - **1** - **1**].

Reppo Town: 26 August 1926: ?: Collector Unknown: MCZ: 22 [22 - **22** - **22**].

Roberts Port: 31 December 1899: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Robertsfield Airport: 12 October 1971: Busink, R.J.: ZMA: 1 [1 - **1** - **1**].

Robertsport: 16 February 1989: Kofron, Christopher P.: AMNH: 8 [8 - **8**] - 17 February 1989: Kofron, Christopher P.: AMNH: 5 [5 - **5** - **13**].

Saniquellie: Collection Date Unknown: Voros, Andrew S.: AMNH: 1 [1 - **1**] - 24 July 1983: Voros, Andrew S.: AMNH: 2 [2 - **2**] - 25 July 1983: Voros, Andrew S.: AMNH: 2 [2 - **2** - **5**].

Sanniquellie: 25 July 1983: Voros, Andrew S.: AMNH: 1 [1 - **1** - **1**].

Sanniquellie, 5 mi S: 8 July 1978: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **1**].

Schieffelinsville: 22 July 1884: Stampfli, F.X.: RMNH: 1 [1 - **1**] - 14 August 1884: Stampfli, F.X.: RMNH: 1 [1 - **1**] - 11 July 1885: Stampfli, F.X.: RMNH: 1 [1 - **1**] - 9 September 1885: Stampfli, F.X.: RMNH: 1 [1 - **1**] - 11 January 1887: Büttikofer, Johan; Sala, C.F.: RMNH: 1 [1 - **1**] - 1 November 1887: Büttikofer, Johan; Sala, C.F.: RMNH: 1 [1 - **1** - **6**].

Sinoe county: 11 August 1972: Johnson: RMCA: 2 [2 - **2**] - 22 March 1978: Johnson: RMCA: 1 [1 - **1** - **3**].

South Nimba: 27 July 1978: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1**] - 16 August 1978: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **2**].

St. Paul's River: Collection Date Unknown: Cook, Orator Fuller: USNM: 1 [1 - **1**] - 1 June 1892: Cook, Orator Fuller: USNM: 1 [1 - **1** - **2**].

Suehn: 16 September 1970: Johnson: RMCA: 3 [3 - **3**] - 3 June 1980: Johnson: RMCA: 1 [1 - **1** - **4**].

Sweaken: 23 March 1980: Rigaux, P.; Louette, Michel: RMCA: 3 [3 - **3**] - 24 March 1980: Rigaux, P.; Louette, Michel: RMCA: 3 [3 - **3** - **6**].

Tapeta: Collection Date Unknown: Marie, J.: YPM: 6 [6 - **6** - **6**].

Tappita: 21 September 1960: Himmelheber, Hans: SMF: 1 [1 - **1** - **1**].

Tars Town: Collection Date Unknown: Schlitter, Duane Albert: USNM: 7 [7 - **7**] - 2 July 1971: Schlitter, Duane Albert: USNM: 8 [8 - **8**] - 9 July 1971: Schlitter, Duane Albert: USNM: 4 [4 - **4**] - 12 July 1971: Schlitter, Duane Albert: USNM: 1 [1 - **1**] - 14 July 1971: Schlitter, Duane Albert: USNM: 2 [2 - **2**] - 15 July 1971: Schlitter, Duane Albert: USNM: 2 [2 - **2**] - 16 July 1971: Schlitter, Duane Albert: USNM: 1 [1 - **1**] - 19 July 1971: Schlitter, Duane Albert: USNM: 2 [2 - **2**] - 20 July 1971: Schlitter, Duane Albert: USNM: 2 [2 - **2**] - 21 July 1971: Schlitter, Duane Albert: USNM: 1 [1 - **1**] - 22 July 1971: Schlitter, Duane Albert: USNM: 1 [1 - **1**] - 24 July 1971: Schlitter, Duane Albert: USNM: 7 [7 - **7**] - 25 July 1971: Schlitter, Duane Albert: USNM: 14 [14 - **14**] - 26 July 1971: Schlitter, Duane Albert: USNM: 8 [8 - **8**] - 27 July 1971: Schlitter, Duane Albert: USNM: 6 [6 - **6**] - 28 July 1971: Schlitter, Duane Albert: USNM: 2 [2 - **2**] - 29 July 1971: Schlitter, Duane Albert: USNM: 9 [9 - **9**] - 30 July 1971: Schlitter, Duane Albert: USNM: 5 [5 - **5**] - 1 August 1971: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **83**].

Tchien: 1 August 1971: Robbins, Lynn W.: AMNH: 1 [1 - **1**] - 3 August 1971: Robbins, Lynn W.: AMNH: 1 [1 - **1** - **2**].

Tchien, 25 km N: 31 July 1971: Robbins, Lynn W.: AMNH: 6 [6 - **6**] - 1 August 1971: Robbins, Lynn W.: AMNH: 4 [4 - **4** - **10**].

Tchien, 7 km N: 4 August 1971: Robbins, Lynn W.: AMNH: 2 [2 - **2** - **2**].

Teayee: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3]; Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **4** - **4**].
Tokadeh: 12 July 1978: Oxford University Expedition to Mount Nimba, The: BMNH: 3 [3 - **3** - **3**].
Tokaden, mount: 2 August 1978: Wolton, R.J.; Oxford University Expedition to Mount Nimba, the: BMNH: 1 [1 - **1** - **1**].
Wreppoosta: Collection Date Unknown: : ZMB: 1 [1 - **1** - **1**].
Yekepa: Collection Date Unknown: Verschuren, Jacques: RBINS: 3 [3 - **3** - **3**].
Yekepa, near: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Yiti River: 23 December 2010: Monadjem, Ara: DNSM: 1 [1 - **1** - **1**].
Ziggida, 1 km E, 10.5 km N: 9 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - 13 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - 15 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **3**].
Ziggida, 1 km E, 13 km N: 18 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **1**].
Ziggida, 1 km N, 3 km E: 22 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **1**].
Ziggida, 10.5 km N, 1 km E: 1 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - 3 March 1990: Dickerman, Robert W.: AMNH: 6 [6 - **6**] - 4 March 1990: Dickerman, Robert W.: AMNH: 14 [14 - **14**] - 5 March 1990: Dickerman, Robert W.: AMNH: 13 [13 - **13**] - 6 March 1990: Dickerman, Robert W.: AMNH: 3 [3 - **3**] - 7 March 1990: Dickerman, Robert W.: AMNH: 5 [5 - **5**] - 8 March 1990: Dickerman, Robert W.: AMNH: 10 [10 - **10**] - 9 March 1990: Dickerman, Robert W.: AMNH: 11 [11 - **11**] - 10 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 11 March 1990: Dickerman, Robert W.: AMNH: 4 [4 - **4**] - 12 March 1990: Dickerman, Robert W.: AMNH: 10 [10 - **10**] - 13 March 1990: Dickerman, Robert W.: AMNH: 14 [14 - **14**] - 14 March 1990: Dickerman, Robert W.: AMNH: 6 [6 - **6**] - 15 March 1990: Dickerman, Robert W.: AMNH: 3 [3 - **3**] - 16 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 17 March 1990: Dickerman, Robert W.: AMNH: 3 [3 - **3**] - 18 March 1990: Dickerman, Robert W.: AMNH: 5 [5 - **5**] - 19 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - 29 July 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **115**].
Ziggida, 11 km N, 2 km E: 20 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 21 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 22 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - 23 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 24 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **8**].
Ziggida, 13 km N, 1 km E: 12 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 13 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 14 March 1990: Dickerman, Robert W.: AMNH: 11 [11 - **11**] - 15 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 16 March 1990: Dickerman, Robert W.: AMNH: 8 [8 - **8**] - 18 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 19 March 1990: Dickerman, Robert W.: AMNH: 3 [3 - **3**] - 20 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2**] - 21 March 1990: Schmitt, Carl Gregory: AMNH: 5 [5 - **5**] - 22 March 1990: Schmitt, Carl Gregory: AMNH: 3 [3 - **3** - **40**].
Ziggida, 2 km E, 7 km N: 3 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1**] - 4 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **2**].
Ziggida, 7 mi [=11 km] N, 1 mi [= 1.6 km] E: 4 March 1990: Dickerman, Robert W.: AMNH: 1 [1 - **1** - **1**].
Ziggida, 7 mi N, 1 mi E: 4 March 1990: Dickerman, Robert W.: AMNH: 2 [2 - **2** - **2**].
Zigida Village: 30 April 1972: ?: Collector Unknown: USNM: 25 [25 - **25** - **25**].
Zomai: 21 January 1971: Johnson: RMCA: 5 [5 - **5**] - 22 January 1971: Johnson: RMCA: 3 [3 - **3**] - 23 January 1971: Johnson: RMCA: 1 [1 - **1**] - 24 January 1971: Johnson: RMCA: 1 [1 - **1**] - 25 January 1971: Johnson: RMCA: 1 [1 - **1** - **11**].
Zorzor: 1 May 1970: Johnson: RMCA: 1 [1 - **1**] - 10 January 1989: Kofron, Christopher P.: AMNH: 2 [2 - **2**] - 12 January 1989: Kofron, Christopher P.: AMNH: 1 [1 - **1** - **4**].
Zozoma: 15 April 1983: Voros, Andrew S.: AMNH: 1 [1 - **1**] - 3 September 1983: Voros, Andrew S.: AMNH: 16 [16 - **16**] - 8 October 1983: Voros, Andrew S.: AMNH: 1 [1 - **1**] - 15 November 1983: Voros, Andrew S.: AMNH: 1 [1 - **1**] - 2 January 1984: Voros, Andrew S.: AMNH: 26 [26 - **26** - **45**].

Total Specimens for Liberia: 1538

Libya

Unknown locality: Collection Date Unknown: BMNH: 12, NMP: 2 [14 - **14**] - 7 April 1979: ?: Collector Unknown: SMF: 1 [1 - **1** - **15**].
Ain Az Zarqa: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Al Abyar: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Al Bayda: 19 May 2002: Benda, Petr; Hanák, Vladimir; Andreas, Michal; Reiter, Antonin; Uhrin, Marcel: NMP: 4 [4 - **4** - **4**].
Al Burdi: 12 May 2002: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].
Al Fjayj: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Al Jaghbub: 13 May 2002: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 2 [2 - **2** - **2**].
Ar Sharsharah: Collection Date Unknown: ?: Collector Unknown: NMP: 2 [2 - **2** - **2**].
'Arqub Ash Shafshaf: 18 May 2002: Benda, Petr; Hanák, Vladimir; Andreas, Michal; Reiter, Antonin; Uhrin, Marcel: NMP: 3 [3 - **3** - **3**].
Bahr El Tubat: 29 May 1962: Ranck, G.L.: USNM: 1 [1]; Ranck, G.L.; Shaw, J.H.: USNM: 1 [1 - **2** - **2**].
Baida, 4 km S: 21 March 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1**] - 22 March 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **2**].
Beida: Collection Date Unknown: ?: Collector Unknown: NMW: 13 [13 - **13** - **13**].
Benghazi: 9 July 1973: Shakmat, A.J.: HZM: 1 [1 - **1** - **1**].
Brak: Collection Date Unknown: Elgadi, Ahmed: NMP: 1 [1 - **1** - **1**].
Gabrun: Collection Date Unknown: ?: Collector Unknown: NMP: 5 [5 - **5** - **5**].
Germa: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Giarabub Oasis: 1 March 1926: Krüger, G.: MSNG: 1 [1 - **1**] - 7 December 1926: Confalonieri, Carlo: MSNG: 4 [4 - **4** - **5**].
Haniya, 8 km SSE: 3 April 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **1**].
Karkurah: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Kouf Park lodge, 3 km S: 17 July 1979: Herbert, H.J.: CM: 1 [1 - **1** - **1**].
Kuf-NP: 14 March 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1**] - 15 March 1981: Qumsiyeh, Mazin B.: CM: 3 [3 - **3**] - 16 March 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1**] - 27 March 1981: Qumsiyeh, Mazin B.: CM: 5 [5 - **5**] - 29 March 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1**] - 9 April 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **12**].
Labraq, 5 km SW: 8 June 1962: Ranck, G.L.; Shaw, J.H.: USNM: 1 [1 - **1** - **1**].
Leptis Magna: Collection Date Unknown: ?: Collector Unknown: NMP: 2 [2 - **2** - **2**].

Massah: 20 May 2002: Benda, Petr; Hanák, Vladimir; Andreas, Michal; Reiter, Antonin; Uhrin, Marcel: NMP: 3 [3 - **3** - **3**].
Murzuk: Collection Date Unknown: : SMF: 1 [1 - **1**] - 30 May 1901: Whitaker, Joseph Isaac Spadafora: BMNH: 1 [1 - **1** - **2**].
Nanatalah: Collection Date Unknown: ?: Collector Unknown: NMP: 2 [2 - **2**] - 28 May 2002: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **3**].
Quasr Shadane: Collection Date Unknown: ?: Collector Unknown: NMW: 4 [4 - **4** - **4**].
Sabratah: Collection Date Unknown: ?: Collector Unknown: NMP: 3 [3 - **3**] - 3 May 1981: Qumsiyeh, Mazin B.: CM: 1 [1 - **1** - **4**].
Sidi Mohammad Al Mablehut: 22 May 2002: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 2 [2 - **2** - **2**].
Tokrah: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Tripoli: Collection Date Unknown: Frank: RBINS: 1 [1 - **1**] - 1 January 1918: Taubert; Chodat: MHNG: 1 [1 - **1** - **2**].
Wadi Al Kuf: 20 May 2002: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].
Wadi al Kuf: 9 August 1981: Mayer, Anton; Spitzenberger, Frederike; Weiss, Edmund: NMW: 8 [8 - **8**] - 18 August 1981: Mayer, Anton; Spitzenberger, Frederike; Weiss, Edmund: NMW: 1 [1 - **1**] - 22 August 1981: Mayer, Anton; Spitzenberger, Frederike; Weiss, Edmund: NMW: 2 [2 - **2**] - 20 May 2002: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 3 [3 - **3** - **14**].
Wadi al Kuf [= Jabal Akhdar Mts]: 20 May 2002: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1]; Benda, Petr; Hanák, Vladimir; Andreas, Michal; Reiter, Antonin; Uhrin, Marcel: NMP: 6 [6 - **7** - **7**].
Wadi al Minshiyah: 17 May 2002: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].
Wadi Darnah: 15 May 2002: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 3 [3 - **3** - **3**].
Wadi Darnah cave: 16 May 2002: Andreas, Michal; Benda, Petr; Hanák, Vladimir; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].
Wadi Jarjaroma: 6 August 1981: Mayer, Anton; Spitzenberger, Frederike; Weiss, Edmund: NMW: 2 [2 - **2** - **2**].

Total Specimens for Libya: 128

Macedonia

Unknown locality: Collection Date Unknown: MHNG: 1 [1 - **1** - **1**].

Total Specimens for Macedonia: 1

Madagascar

Unknown locality: Collection Date Unknown: AMNH: 1, BMNH: 32, FMNH: 50, MCZ: 1, MNHN: 12, SMF: 7, TM: 2, UADBA: 199, USNM: 1, ZMB: 2 [307]; : BMNH: 5, FMNH: 1, RMNH: 6 [12]; Audebert, Jean Baptiste: RMNH: 2 [2]; Bartlett: ZMB: 2 [2]; Bluntschli, Hans Georg Hermann: SMF: 1 [1]; Crossley, Alfred: ZMB: 1 [1]; Cutte: ZMB: 1 [1]; Decary, Raymond: MNHN: 6 [6]; Gerrard: ZMB: 3 [3]; Gerrard, Edward: MCZ: 3 [3]; Godeffroy Museum, The: RMNH: 1 [1]; Goodman, Steven M.: FMNH: 11, UADBA: 11 [22]; Grandidier Collection, The: MCZ: 5, MNHN: 1 [6]; Grandidier, Guillaume: MCZ: 1 [1]; Humblot, Léon: MNHN: 17 [17]; Koch, K.L.: FMNH: 1 [1]; Leche, W.: AMNH: 1 [1]; Mason, G.W.E.: RMNH: 1 [1]; Muséum Nationale d'Histoire Naturelle: FMNH: 1 [1]; Southampton University Expedition, The: BMNH: 6 [6]; Voeltzkow, Alfred: ZMB: 1 [1 - **396**] - 1 January 1876: Mulie, C.: RMNH: 1 [1 - **1**] - 4 September 1879: ?: Collector Unknown: SMF: 1 [1 - **1**] - 10 December 1891: Malaurent: RBINS: 1 [1 - **1**] - 7 March 1931: Rand, Austin Loomer: AMNH: 2 [2 - **2**] - 1 January 1954: Vacha, S.D.: AMNH: 2 [2 - **2**] - 3 December 1991: ?: Collector Unknown: SMF: 2 [2 - **2**] - 13 August 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 August 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 23 October 1994: ?: Collector Unknown: SMF: 2 [2 - **2**] - 2 November 1994: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 November 1994: ?: Collector Unknown: SMF: 2 [2 - **2**] - 14 November 1994: ?: Collector Unknown: SMF: 3 [3 - **3**] - 11 January 1996: Göpfert, M.; Ludwar, B.: SMF: 1 [1 - **1**] - 20 January 1996: ?: Collector Unknown: SMF: 2 [2 - **2**] - 22 January 1996: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 December 1996: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 July 1999: ?: Collector Unknown: SMF: 1 [1]; Steiner, H.: SMF: 1 [1 - **2**] - 3 July 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 4 July 1999: ?: Collector Unknown: SMF: 7 [7 - **7**] - 1 January 2012: ?: Collector Unknown: FMNH: 28 [28]; Goodman, Steven M.: UADBA: 30 [30 - **58**] - 1 January 2013: ?: Collector Unknown: FMNH: 2 [2]; Goodman, Steven M.: UADBA: 2 [2 - **4**] - 1 January 2015: ?: Collector Unknown: UADBA: 1 [1 - **1** - **493**].
"probably côte est": 1 January 1917: Grandidier Collection, The: MCZ: 2 [2 - **2** - **2**].
along Androka River: 25 November 2007: Goodman, Steven M.; Ruedi, Manuel; Weyeneth, N.: FMNH: 1 [1 - **1** - **1**].
along Antsahabe River: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
Ambadiramique: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ambalantanakomby, 25 km SW: 9 November 1962: Shaw, J.H.: USNM: 8 [8 - **8**] - 11 November 1962: Shaw, J.H.: USNM: 3 [3 - **3** - **11**].
Ambalavao: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Amballiala: 11 August 1865: : RMNH: 1 [1 - **1** - **1**].
Ambanilia cave: 7 May 2002: ?: Collector Unknown: FMNH: 11 [11 - **11** - **11**].
Ambanizana: Collection Date Unknown: ?: Collector Unknown: FMNH: 9 [9 - **9** - **9**].
Ambanizana: 26 November 2007: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Ambanja: 28 March 1963: Lange, K.L.: USNM: 3 [3 - **3** - **3**].
Ambanja, 6 km SE: 26 March 1963: Lange, K.L.: USNM: 17 [17 - **17**] - 27 March 1963: Lange, K.L.: USNM: 4 [4 - **4**] - 28 March 1963: Lange, K.L.: USNM: 8 [8 - **8** - **29**].
Ambatobe, W slope mount: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].
Ambatofinandra: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ambatoharanana cave: Collection Date Unknown: ?: Collector Unknown: FMNH: 11 [11]; Cardiff, Scott G.: FMNH: 1 [1]; Goodman, Steven M.; Schoeman, M. Corrie: FMNH: 5 [5 - **17**] - 2 November 2010: Goodman, Steven M.; Schoeman, M. Corrie: FMNH: 1 [1 - **1** - **18**].
Ambatolampy: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ambatondrazaka: 1 January 1914: Toussaint: MCZ: 27 [27 - **27** - **27**].

Ambila-Lemaitso: 27 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 3 [3 - **3**] - 28 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 8 [8 - **8** - **11**].
Ambinany-Lalangy: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Ambinda: Collection Date Unknown: ?: Collector Unknown: FMNH: 8, UADBA: 6 [14]; Goodman, Steven M.: UADBA: 1 [1 - **15** - **15**].
Amboasary: Collection Date Unknown: Bluntschli, Hans Georg Hermann: ZMB: 2 [2 - **2**] - 16 November 1931: Bluntschli, Hans Georg Hermann: AMNH: 1 [1 - **1**] - 25 August 2002: Jenkins, Richard K.B.: UADBA: 1 [1 - **1** - **4**].
Amboasary: 6 June 1896: Major, Charles Immanuel Forsyth: FMNH: 1 [1 - **1** - **1**].
Ambodi Mangy: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ambodiamontana: Collection Date Unknown: : FMNH: 1 [1 - **1**] - 23 July 1987: Creighton, G. Kenneth; Emmons, Louise H.: USNM: 1 [1 - **1** - **2**].
Ambodiriana: Collection Date Unknown: : ROM: 2 [2 - **2**] - 25 April 1967: Peterson, Randolph L.; *et al.*: ROM: 19 [19]; Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 19 [19 - **38** - **40**].
Ambohibeloma: 1 January 2013: ?: Collector Unknown: FMNH: 2, UADBA: 8 [10 - **10** - **10**].
Ambohijanahary Mountain: Collection Date Unknown: : FMNH: 1, UADBA: 1 [2 - **2** - **2**].
Ambohijoky: 20 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 11 [11 - **11** - **11**].
Ambohimahavelona: 27 October 1948: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 28 October 1948: Hoogstraal, Harry H.: FMNH: 3 [3]; Hoogstraal, Harry H.; Alison, R.: USNM: 1 [1 - **4**] - 30 October 1948: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **6**].
Ambohimirija caves: Collection Date Unknown: ?: Collector Unknown: MNHN: 16 [16 - **16** - **16**].
Ambohimitombo [= Ambohimitombo]: 1 November 1894: Grandidier Collection, The: MCZ: 1 [1 - **1**] - 1 January 1895: Major, Charles Immanuel Forsyth: FMNH: 1 [1 - **1** - **2**].
Ambohitantely: Collection Date Unknown: ?: Collector Unknown: FMNH: 4, UADBA: 8 [12]; Goodman, Steven M.: UADBA: 2 [2 - **14**] - 1 October 2014: ?: Collector Unknown: FMNH: 1 [1 - **1** - **15**].
Ambohitantely Special Reserve: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Ambondramamy: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Amborombe cave: 29 May 2005: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Ambositra: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 2 February 1895: Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **1**] - 15 February 1895: Grandidier Collection, The: MCZ: 1 [1 - **1**] - 8 April 1896: Major, Charles Immanuel Forsyth: BMNH: 2 [2 - **2** - **5**].
Ambotelafer: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ambovombe: Collection Date Unknown: Grandidier Collection, The; Decary, Raymond: MCZ: 1 [1 - **1**] - 1 January 1990: Creighton, G. Kenneth: USNM: 18 [18 - **18**] - 10 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 65 [65 - **65** - **84**].
Ambovondramanesy: Collection Date Unknown: ?: Collector Unknown: UADBA: 2 [2 - **2**] - 1 January 2012: ?: Collector Unknown: FMNH: 7, UADBA: 4 [11]; Goodman, Steven M.: UADBA: 1 [1 - **12** - **14**].
Ambre, mount: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Amorontsanga: 16 June 1929: Rand, Austin Loomer: AMNH: 1 [1 - **1** - **1**].
Ampanibe: 6 November 1990: Creighton, G. Kenneth: USNM: 2 [2 - **2** - **2**].
Ampara Fara: 13 May 1968: Hoogstraal, Harry H.; Uilenberg, G.: FMNH: 1 [1 - **1**] - 14 May 1968: Hoogstraal, Harry H.; Uilenberg, G.: FMNH: 2 [2 - **2** - **3**].
Ampidiranamhaja cave: 25 September 2003: Ranivo, Julie; Ratrimomanarivo, Fania H.: FMNH: 1 [1 - **1** - **1**].
Ampijoroa: Collection Date Unknown: ?: Collector Unknown: MNHN: 8, UADBA: 1 [9 - **9**] - 11 March 1963: Lange, K.L.: USNM: 36 [36 - **36** - **45**].
Ampijoroa forest: Collection Date Unknown: ?: Collector Unknown: MNHN: 14 [14 - **14** - **14**].
Ampijoroa, lake: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ampitabe: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Ampitambé: Collection Date Unknown: Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **1**] - 23 March 1896: Major, Charles Immanuel Forsyth: FMNH: 1 [1 - **1** - **2**].
Ampotaka: Collection Date Unknown: : BMNH: 2 [2 - **2**] - 25 March 1930: ?: Collector Unknown: MNHN: 2 [2]; Rand, Austin Loomer: AMNH: 2 [2 - **4** - **6**].
Amvavalatra: 25 November 1999: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Anadsibe: 1 January 2013: ?: Collector Unknown: FMNH: 12, UADBA: 5 [17 - **17** - **17**].
Analamangabe: Collection Date Unknown: Jenkins, Richard K.B.: UADBA: 2 [2 - **2** - **2**].
Analamazaotra forest, Périnet: Collection Date Unknown: ?: Collector Unknown: MNHN: 1, ROM: 1 [2]; Chabaud, Alain Gabriel: MNHN: 4 [4 - **6**] - 13 May 1963: Smith, J.: YPM: 10 [10 - **10**] - 17 May 1963: Smith, J.: YPM: 1 [1 - **1**] - 21 March 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1**] - 23 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1**] - 24 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 3 [3 - **3**] - 25 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 13 [13 - **13**] - 26 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 19 [19 - **19**] - 27 April 1967: Gould, E.: ROM: 1 [1 - **1**] - 10 June 1968: Williams, A.E.: ROM: 1 [1 - **1**] - 1 January 1969: Benedicte, R.: ROM: 1 [1 - **1**] - 1 April 1969: Benedicte, R.: ROM: 7 [7 - **7** - **64**].
Andakaty, cave [=Grotte d'Andakaty]: Collection Date Unknown: ?: Collector Unknown: FMNH: 8 [8 - **8** - **8**].
Andalabezo cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Andalambeze cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Andapa: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
Andasibe: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Andavadrano: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Andavakoera: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Andlavaka: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
Andlavakarano: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
Andlavakarano: Collection Date Unknown: : FMNH: 2 [2 - **2** - **2**].
Andrafiabe, 3.5 km SE: Collection Date Unknown: ?: Collector Unknown: FMNH: 6 [6 - **6** - **6**].
Andrahaha Cave: Collection Date Unknown: Voeltzkow, Alfred: ZMB: 1 [1 - **1** - **1**].
Andrahomana cave: Collection Date Unknown: Grandidier Collection, The: MCZ: 3 [3]; Grandidier Collection, The; Decary, Raymond: MCZ: 3 [3 - **6**] - 1 January 1927: Decary, Raymond: MCZ: 1 [1 - **1** - **7**].
Andraimpano cave: 22 February 2005: ?: Collector Unknown: FMNH: 10 [10 - **10** - **10**].

Andraina, 2 km W: 3 November 1962: Lange, K.L.: USNM: 5 [5 - **5** - **5**].
Andrambovata, 2 km NE: 19 August 1988: Creighton, G. Kenneth; Ryan, J.M.: USNM: 1 [1 - **1** - **1**].
Andrambovato, 2 km NE: 19 August 1988: Creighton, G. Kenneth; Ryan, J.M.: USNM: 2 [2 - **2**] - 20 August 1988: Creighton, G. Kenneth; Ryan, J.M.: USNM: 9 [9 - **9** - **11**].
Andrandoka: 7 December 1951: Tipton, V.J.: USNM: 6 [6 - **6** - **6**].
Andranohinaly: Collection Date Unknown: Voeltzkow, Alfred: ZMB: 1 [1 - **1** - **1**].
Andranomandroy: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Andranomanitsy Forest: 19 October 2005: Goodman, Steven M.: SMG: 15 [15 - **15**] - 20 October 2005: Goodman, Steven M.: AMNH: 1, SMG: 3 [4 - **4** - **19**].
Andranomathy cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Andranomavo, 22 km NW: 11 October 2002: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].
Andranomavo, 26 km NW: 9 October 2002: ?: Collector Unknown: FMNH: 6 [6]; Goodman, Steven M.: FMNH: 1 [1 - **7** - **7**].
Andranomavo, 32 km NW: 1 October 2002: ?: Collector Unknown: FMNH: 3 [3 - **3**] - 14 October 2002: ?: Collector Unknown: FMNH: 15 [15 - **15** - **18**].
Andranomboalavo: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Andranomilitry, cave: 1 November 2004: ?: Collector Unknown: FMNH: 4 [4 - **4**] - 11 November 2004: Ratrimomanarivo, Fania H.; Rakotomavo, J.: FMNH: 2 [2 - **2** - **6**].
Andrarabarikely: Collection Date Unknown: : FMNH: 9 [9 - **9** - **9**].
Andreaba: 1 January 1947: Delacour, Jean B. Theodore: MNHN: 1 [1 - **1** - **1**].
Andreba [railroad station]: 5 September 1962: Lange, K.L.: USNM: 17 [17]; Shaw, J.H.: USNM: 16 [16 - **33** - **33**].
Andreba, Railroad Station: 4 September 1962: Lange, K.L.: USNM: 1 [1]; Shaw, J.H.; Lange, K.L.: USNM: 1 [1 - **2** - **2**].
Andriafavelo: 1 October 1930: Aubert de la Rue, Edgar: MCZ: 2 [2 - **2** - **2**].
Andriamamovoka: 26 February 2006: Patton, James L.: MVZ: 2 [2 - **2** - **2**].
Andringitra National Park: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].
Androhibe caves: 27 October 1963: Shaw, J.H.: USNM: 3 [3 - **3** - **3**].
Androimpano Cave: 1 February 2005: ?: Collector Unknown: FMNH: 9 [9]; Goodman, Steven M.: FMNH: 1 [1 - **10** - **10**].
Androimpano caves: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3**] - 23 February 2005: Goodman, Steven M.: FMNH: 1 [1 - **1** - **4**].
Angodongodona, 6.5 km ESE: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
Anibohimasina: 1 June 1895: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Anjajavy, 18.5 km S: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Anjajavy, 26.5 km SW: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].
Anjajavy, 3 km NE: Collection Date Unknown: ?: Collector Unknown: FMNH: 7 [7 - **7** - **7**].
Anjajavy, 4 km NE: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Anjanaharibe sud: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Anjiro: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Anjohibe cave: Collection Date Unknown: ?: Collector Unknown: UADBA: 2 [2 - **2**] - 1 September 2012: ?: Collector Unknown: UADBA: 1 [1 - **1**] - 1 November 2014: ?: Collector Unknown: FMNH: 16, UADBA: 14 [30 - **30** - **33**].
Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], NCC-1 deposit: Collection Date Unknown: ?: Collector Unknown: UA: 5 [5 - **5** - **5**].
Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], OLD SE deposit: Collection Date Unknown: ?: Collector Unknown: UA: 19 [19 - **19** - **19**].
Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], SS2 deposit: Collection Date Unknown: ?: Collector Unknown: UA: 9 [9 - **9** - **9**].
Anjohibe Cave [= Tsinjomitondraka, Grottes d'Andranoboka], TW-10 deposit: Collection Date Unknown: ?: Collector Unknown: UA: 629 [629 - **629** - **629**].
Anjohikinakina cave: 1 January 2012: ?: Collector Unknown: FMNH: 7, UADBA: 3 [10 - **10** - **10**].
Anjohimbovonomby: Collection Date Unknown: Jenkins, Richard K.B.: UADBA: 1 [1 - **1** - **1**].
Anjohitantely: Collection Date Unknown: ?: Collector Unknown: UADBA: 3 [3 - **3** - **3**].
Anjoky cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Paulian, Renaud: MNHN: 2 [2 - **3** - **3**].
Anjozorobe, 13 km SE: Collection Date Unknown: Goodman, Steven M.: NMV: 5 [5 - **5** - **5**].
Ankapoka: 1 January 2012: ?: Collector Unknown: UADBA: 1 [1 - **1** - **1**].
Ankapoky: 10 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 2 [2 - **2**] - 11 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 3 [3 - **3** - **5**].
Ankarafantsika Forest: 1 January 1938: Decary, Raymond: MCZ: 2 [2 - **2** - **2**].
Ankarana: Collection Date Unknown: ?: Collector Unknown: FMNH: 2, MNHN: 3, UADBA: 5 [10 - **10** - **10**].
Ankarana caves: 7 April 1905: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ankarana-NP, Bat Cave: 18 September 2004: Zentai, Z.: HNHM: 1 [1 - **1** - **1**].
Ankarara forest: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ankavandra, N of: Collection Date Unknown: Grandidier Collection, The; Decary, Raymond: MCZ: 4 [4 - **4** - **4**].
Ankavandra, near: Collection Date Unknown: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Ankazoata, W of: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ankazobe: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Ankazomborona: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Ankidrodoa: Collection Date Unknown: ?: Collector Unknown: FMNH: 7 [7 - **7** - **7**].
Ankiliabo: 4 May 1898: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ankiliabo, 11 km SSE: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Ankililoaka: 1 January 2012: Goodman, Steven M.: UADBA: 1 [1 - **1** - **1**].
Ankilizato: 10 July 1930: Decary, Raymond: MCZ: 1 [1 - **1** - **1**].
Ankily: 1 January 2012: ?: Collector Unknown: FMNH: 1, UADBA: 1 [2]; Goodman, Steven M.: UADBA: 1 [1 - **3** - **3**].
Anorontsanga: Collection Date Unknown: : BMNH: 3 [3 - **3** - **3**].
Anorotsangana: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Antafiky: 24 July 2001: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Antafinimihakatra: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1** - **1**].
Antagneotsy cave: 26 February 2005: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Antanamarina: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Antananarivo: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 3 March 1938: Decary, Raymond: MCZ: 2 [2 - **2** - **3**].
Antanandava: 15 July 1953: Koch, K.L.: FMNH: 2 [2 - **2**] - 1 January 2012: ?: Collector Unknown: FMNH: 3 [3 - **3** - **5**].
Antanarivo [= Tananarive]: 1 December 1915: Wulsin, Frederik Roelker: MCZ: 2 [2 - **2**] - 10 April 1967: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1**] - 19 April 1967: Peterson, Randolph L.; *et al.*: ROM: 1 [1]; Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 7 [7 - **8**] - 20 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 25 [25 - **25**] - 22 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 15 [15 - **15** - **51**].
Antanimbary: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1]; : FMNH: 1 [1 - **2** - **2**].
Anteseranana: Collection Date Unknown: Hildebrandt, Johann Maria: ZMB: 3 [3 - **3** - **3**].
Antsahabe forest: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].
Antsahabe River, near village of Ankijabe: Collection Date Unknown: : FMNH: 2 [2 - **2** - **2**].
Antsingy Forest: 8 May 1967: Gould, E.: ROM: 1 [1 - **1** - **1**].
Antsiran: Collection Date Unknown: Alluaud, Ch.: MNHN: 2 [2 - **2** - **2**].
Antsiranana: Collection Date Unknown: Ardouin: FMNH: 1 [1 - **1** - **1**].
Antsiranana province: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Antsiranana, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Antsohihy: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1** - **1**].
Anzahameru: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Bas Mangoky agricultural station: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 April 1956: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Beanka forest: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1** - **1**].
Befandriana: 22 November 1929: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Beforona: 1 January 1917: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Beforona, bureau de poste: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
Beforona, école CEG: Collection Date Unknown: : FMNH: 2 [2 - **2** - **2**].
Beforona, ex hotel villa Martin'son: Collection Date Unknown: : FMNH: 4 [4 - **4** - **4**].
Befotaka: Collection Date Unknown: ?: Collector Unknown: FMNH: 4 [4]; : FMNH: 9 [9 - **13** - **13**].
Behara: 1 July 1931: Decary, Raymond: MCZ: 12 [12 - **12** - **12**].
Behara, scientific institute: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Bekopaka, 3.5 km E: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Bekopake, 1.8 km SE and 0.6 km NE Andadoany: 27 July 2003: Jenkins, Richard K.B.; Ratrimomanarivo, Fania H.: UADBA: 1 [1 - **1** - **1**].
Belo sur Mer: 11 November 2002: Razakarivony, Vola: FMNH: 1 [1 - **1** - **1**].
Belo Tsiribihina: 1 January 2012: ?: Collector Unknown: FMNH: 6, UADBA: 1 [7 - **7** - **7**].
Belobaka: Collection Date Unknown: ?: Collector Unknown: FMNH: 2, UADBA: 7 [9 - **9** - **9**].
Beloboka grotte No 1: Collection Date Unknown: : FMNH: 3 [3 - **3** - **3**].
Beloha: 1 July 1926: Decary, Raymond: MCZ: 1 [1 - **1** - **1**].
Bemangidy: 22 November 1948: Hoogstraal, Harry H.; Alison, R.: USNM: 1 [1 - **1**] - 23 November 1948: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 28 November 1948: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 17 December 1948: Hoogstraal, Harry H.: FMNH: 4 [4]; Hoogstraal, Harry H.; Alison, R.: USNM: 1 [1 - **5**] - 25 December 1948: Hoogstraal, Harry H.: FMNH: 3 [3 - **3** - **12**].
Bemara Gorges: 3 July 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].
Bemaraha: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Bémaraha cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Beraketa: 3 December 1990: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **1**].
Beratro: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Berenty-Betsileo, 28 km SE: 9 December 2002: ?: Collector Unknown: FMNH: 1 [1]; Goodman, Steven M.: FMNH: 10 [10 - **11** - **11**].
Berevo: 9 July 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1**] - 11 July 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **2**].
Berivotra: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Béroboka: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].
Beroroha: Collection Date Unknown: Rosenberg, W.F.H.: BMNH: 2 [2 - **2** - **2**].
Bétafo: Collection Date Unknown: : BMNH: 1 [1 - **1**] - 25 October 1906: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Betioky Sud: 1 January 2012: ?: Collector Unknown: FMNH: 1, UADBA: 7 [8]; Goodman, Steven M.: UADBA: 1 [1 - **9** - **9**].
Betroka: 18 June 1953: Koch, K.L.: FMNH: 1 [1 - **1**] - 22 December 1962: Lange, K.L.: USNM: 1 [1 - **1** - **2**].
Betsileo: Collection Date Unknown: ?: Collector Unknown: NMW: 1 [1]; Hildebrandt, Johann Maria: ZMB: 3 [3 - **4** - **4**].
Bevaho: 3 December 1990: Creighton, G. Kenneth: USNM: 29 [29 - **29** - **29**].
Bevato: 10 June 1930: Archbold, Richard A.; Rand, Austin Loomer; Du Mont, Philip A.; Mission Franco-Anglo-Amér Madagascar: MNHN: 5 [5 - **5** - **5**].
Bevato or Namoroka: 10 June 1930: Archbold, Richard A.; Rand, Austin Loomer; Du Mont, Philip A.; Mission Franco-Anglo-Amér Madagascar: ZMA: 1 [1 - **1** - **1**].
Bevilany: 11 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 15 [15 - **15** - **15**].
Binara, forest [=Forêt de Binara]: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Bisihiko cave: 8 May 2002: ?: Collector Unknown: FMNH: 7 [7 - **7** - **7**].
Boanamary, 3 km NE: 25 October 1962: Shaw, J.H.: USNM: 1 [1 - **1** - **1**].
Boeni: Collection Date Unknown: ?: Collector Unknown: MNHN: 12 [12 - **12** - **12**].
Bosianoremane: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Brickaville: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Brickaville District: 1 July 1928: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Brickaville, 9.5 km W: Collection Date Unknown: Goodman, Steven M.; Ramasindrazana, Beza: FMNH: 1 [1 - **1** - **1**].
Brickaville, bureau commune: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
bureau circonscription scolaire: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
Calata cave: 1 March 1930: Decary, Raymond: MCZ: 1 [1 - **1** - **1**].
Campement Matsaborymadio: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].

Canyon des Singes: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 4 December 2002: Goodman, Steven M.: FMNH: 1 [1 - **1** - **2**].
Cape Saint Vincent: 1 January 1901: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Cape Saint Vincent, near: 1 January 1901: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Carion: 1 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 12 [12 - **12** - **12**].
Cascade d'Antanamarina: 1 January 2012: ?: Collector Unknown: FMNH: 8, UADBA: 3 [11 - **11** - **11**].
Cascade de Manantantely: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1**] - 20 February 2007: Goodman, Steven M.: FMNH: 1 [1 - **1** - **2**].
Cascade Sahanalaotra, near: Collection Date Unknown: ?: Collector Unknown: FMNH: 10 [10]; : FMNH: 1 [1 - **11** - **11**].
Causse de Namoroka: Collection Date Unknown: ?: Collector Unknown: MNHN: 15 [15 - **15**] - 18 September 1940: : FMNH: 3 [3]; Decary, Raymond: FMNH: 3 [3 - **6** - **21**].
Caves of Manandona, high on mountain side: Collection Date Unknown: ?: Collector Unknown: ROM: 9 [9 - **9**] - 16 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 10 [10 - **10** - **19**].
Centre National de Recherche Océanographique: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Collegèges d'Enseignement Général: Collection Date Unknown: : FMNH: 9 [9 - **9**] - 26 April 2005: Ratrimomanarivo, Fania H.: FMNH: 1 [1 - **1** - **10**].
Commune Ampahatelo, maison du domaine d'Akamasoa: Collection Date Unknown: : FMNH: 4 [4 - **4** - **4**].
Commune Mahabo, chalet de marché: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
Daraina: Collection Date Unknown: ?: Collector Unknown: FMNH: 1, UADBA: 1 [2 - **2** - **2**].
Daraina: 5 November 2001: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Didy, 7 km N: 30 September 1962: Lange, K.L.: USNM: 1 [1 - **1** - **1**].
Diego Suarez: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Diego-Suarez: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Diego-Suarez, 36 km S: 10 April 1963: Lange, K.L.: USNM: 1 [1 - **1** - **1**].
Diégo-Suarez, near: 1 January 1910: Mazières: MCZ: 1 [1 - **1** - **1**].
Dispensaire public, Ampasy: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
d'Itremo, 2.5km W: Collection Date Unknown: ?: Collector Unknown: FMNH: 8 [8 - **8** - **8**].
Dronibe: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
east coast of Madagascar: 1 January 1917: Grandidier Collection, The: MCZ: 3 [3 - **3** - **3**].
Eastern Madagascar: 1 January 1880: Humblot, Léon: MNHN: 10 [10 - **10**] - 1 January 1917: Grandidier, Guillaume; l'Académie Malgache: MCZ: 2 [2 - **2** - **12**].
École Lycée, salle I: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
Fanandrana, EPP: Collection Date Unknown: : FMNH: 7 [7 - **7** - **7**].
Fandanana: Collection Date Unknown: ?: Collector Unknown: FMNH: 16, UADBA: 15 [31]; : FMNH: 1 [1]; Goodman, Steven M.: UADBA: 3 [3 - **35** - **35**].
Fandriana: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Fandriana region: 3 July 1895: Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **1** - **1**].
Farankaraina: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2]; : FMNH: 1 [1 - **3** - **3**].
Faravohitra: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].
Faux Cap: Collection Date Unknown: ?: Collector Unknown: MNHN: 10 [10]; Paulian, Renaud: USNM: 5 [5 - **15** - **15**].
Fianarantsoa: Collection Date Unknown: ?: Collector Unknown: FMNH: 2, UADBA: 1, USNM: 1 [4]; Cowan, W. Deans: BMNH: 1 [1 - **5**] - 3 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 2 [2 - **2**] - 5 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 38 [38 - **38**] - 6 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 8 [8 - **8** - **53**].
Fianarantsoa province: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1**] - 19 August 1999: Goodman, Steven M.: FMNH: 1 [1 - **1** - **2**].
Fianarantsoa, 18 km SW: 4 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 6 [6 - **6** - **6**].
Fianarantsoa, near: 1 January 1927: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Fianarantsoa: Minharisoa: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Fianarantsoa[, Fianarantsoa province]: Collection Date Unknown: Peake: ZMB: 1 [1 - **1** - **1**].
Fiherenana: 27 November 2002: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Fiherenana River, lower valley: Collection Date Unknown: ?: Collector Unknown: FMNH: 1, MNHN: 1 [2 - **2**] - 1 August 1913: Lescure: MCZ: 2 [2 - **2** - **4**].
FOFIFA Station: 25 September 2005: Goodman, Steven M.; Ratrimomanarivo, Fania H.: FMNH: 2 [2 - **2** - **2**].
Forêt d'Ampidirabe: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Forêt d'Ampirojoa: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3**] - 1 April 2003: ?: Collector Unknown: FMNH: 1 [1 - **1** - **4**].
Forêt d'Ampitiliantsambo: Collection Date Unknown: : FMNH: 4 [4 - **4**] - 1 January 2005: ?: Collector Unknown: FMNH: 2 [2 - **2** - **6**].
Forêt d'Analabe: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Forêt d'Analalava: Collection Date Unknown: ?: Collector Unknown: FMNH: 2, USNM: 1 [3 - **3**] - 1 January 1913: Grandidier Collection, The: MCZ: 1 [1]; Mounier, M.: MCZ: 14 [14 - **15**] - 1 October 1913: Mounier, M.: MCZ: 3 [3 - **3**] - 5 November 1990: Creighton, G. Kenneth: USNM: 2 [2 - **2** - **23**].
Forêt de Beanka: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Forêt de Binara, near Analamazava River: Collection Date Unknown: : FMNH: 4 [4 - **4** - **4**].
Forêt de Mahejebi: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Forêt de Mamakibetro: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Foret de Sahafina: Collection Date Unknown: Goodman, Steven M.; Ramasindrazana, Beza: FMNH: 3 [3 - **3**] - 9 December 2007: Goodman, Steven M.; Ruedi, Manuel; Weyeneth, N.: FMNH: 1 [1 - **1** - **4**].
Forêt de Tampolo: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].
Forêt des Mikea: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Forêt des Mikea: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2**] - 1 February 2003: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 14 February 2003: ?: Collector Unknown: FMNH: 4 [4 - **4** - **7**].] - Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Fort Carnot [=Ikongo]: 1 January 1928: Decary, Raymond: MCZ: 2 [2]; Grandidier Collection, The: MCZ: 1 [1 - **3**] - 1 January 1929: Grandidier Collection, The: MCZ: 1 [1 - **1** - **4**].

Fort Dauphin: Collection Date Unknown: : BMNH: 1 [1]; Grandidier Collection, The; Decary, Raymond: MCZ: 1 [1]; Schneider: MZUF: 1 [1 - **3**] - 1 January 1933: Decary, Raymond: MCZ: 11 [11 - **11**] - 18 December 1989: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **15**].
Fort Dauphin, 13 km NE: 16 June 1968: Williams, A.E.: ROM: 7 [7 - **7** - **7**].
Fort Dauphin, 32 km NE: 15 June 1968: Williams, A.E.: ROM: 1 [1 - **1** - **1**].
Fort Dauphin, 8 km N: 16 November 1948: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Fort Dauphin, near: Collection Date Unknown: Grandidier Collection, The; Decary, Raymond: MCZ: 2 [2 - **2**] - 1 May 1932: Decary, Raymond: MCZ: 2 [2 - **2** - **4**].
Fort-Dauphin: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Foulepointe and lake Alaoutre, between: Collection Date Unknown: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].
Foulpointe: 1 April 1969: Benedicte, R.: ROM: 6 [6 - **6** - **6**].
Grand Lac: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
granite caves of Angavokely: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3 - **3** - **3**].
Great Forest: 1 January 1917: Grandidier Collection, The: MCZ: 8 [8 - **8**] - 1 March 1928: Grandidier Collection, The: MCZ: 1 [1 - **1** - **9**].
Great forest of the East: 1 January 1917: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Great forest of the East [=Grande forêt de l'Est]: Collection Date Unknown: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
grotte: Collection Date Unknown: : FMNH: 4 [4 - **4** - **4**].
Grotte Boribe: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].
Grotte d'Anjohibe: Collection Date Unknown: : FMNH: 3 [3 - **3** - **3**].
Grotte d'Ankelimahogo: Collection Date Unknown: : FMNH: 5 [5 - **5** - **5**].
Grotte d'Ambahibe: 1 January 2012: ?: Collector Unknown: FMNH: 8, UADBA: 2 [10]; Goodman, Steven M.: UADBA: 1 [1 - **11** - **11**].
Grotte d'Ambanilia: Collection Date Unknown: ?: Collector Unknown: FMNH: 8 [8 - **8**] - 1 January 2012: ?: Collector Unknown: FMNH: 1, UADBA: 5 [6 - **6** - **14**].
Grotte d'Ambatoharanana: 1 January 2012: ?: Collector Unknown: UADBA: 2 [2]; Goodman, Steven M.: UADBA: 2 [2 - **4** - **4**].
Grotte d'Andrafiabe, forêt près: Collection Date Unknown: ?: Collector Unknown: FMNH: 7 [7]; : FMNH: 6 [6 - **13**] - 22 January 2001: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 23 January 2001: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 1 November 2001: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 1 January 2012: ?: Collector Unknown: FMNH: 2 [2 - **2**] - 1 September 2012: ?: Collector Unknown: FMNH: 2, UADBA: 3 [5 - **5** - **23**].
Grotte d'Andranoilovy: 1 January 2012: ?: Collector Unknown: FMNH: 3, UADBA: 5 [8]; Goodman, Steven M.: UADBA: 3 [3 - **11** - **11**].
Grotte d'Anjohibe: Collection Date Unknown: ?: Collector Unknown: FMNH: 5 [5]; : FMNH: 5 [5 - **10**] - 27 October 1962: Shaw, J.H.: USNM: 7 [7 - **7**] - 1 January 2012: ?: Collector Unknown: FMNH: 16, UADBA: 18 [34 - **34** - **51**].
Grotte d'Anjohikely: Collection Date Unknown: : FMNH: 7 [7 - **7** - **7**].] - 1 January 2012: ?: Collector Unknown: FMNH: 4, UADBA: 6 [10]; Goodman, Steven M.: UADBA: 1 [1 - **11** - **11**].
Grotte d'Anjohimbazimba: Collection Date Unknown: ?: Collector Unknown: FMNH: 6 [6 - **6** - **6**].
Grotte d'Ankelimahogo: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1]; : FMNH: 12 [12 - **13** - **13**].
Grotte d'Antsiroandoha: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Grotte de Bazaribe: Collection Date Unknown: ?: Collector Unknown: FMNH: 7 [7]; : FMNH: 15 [15 - **22**] - 1 January 2004: ?: Collector Unknown: FMNH: 13 [13 - **13** - **35**].
Grotte de Bekapity: Collection Date Unknown: ?: Collector Unknown: FMNH: 3, UADBA: 1 [4]; Goodman, Steven M.: UADBA: 5 [5 - **9**] - 1 January 2012: ?: Collector Unknown: FMNH: 5, UADBA: 3 [8 - **8** - **17**].
Grotte de Bishiko: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Grotte de Bisihiko: Collection Date Unknown: ?: Collector Unknown: FMNH: 10 [10 - **10** - **10**].
Grotte de Fandanana: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
Grotte de Marondavenoka, near the village of Enato: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Grotte de Mitaho, près: Collection Date Unknown: ?: Collector Unknown: FMNH: 6 [6 - **6** - **6**].
Grotte de Sarondrana [= Sarodrano]: Collection Date Unknown: Peterson, Randolph L.: SAMA: 1 [1 - **1**] - 19 May 1898: Grandidier, Guillaume: MNHN: 9, MSNG: 2 [11 - **11**] - 10 May 1967: Williams: FMNH: 2 [2 - **2**] - 11 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1** - **15**].
Grotte de Tanambao: Collection Date Unknown: ?: Collector Unknown: UADBA: 2 [2 - **2**] - 1 January 2012: ?: Collector Unknown: FMNH: 3, UADBA: 2 [5]; Goodman, Steven M.: UADBA: 1 [1 - **6** - **8**].
Grotte de Vintane: 1 January 2012: ?: Collector Unknown: FMNH: 3, UADBA: 1 [4]; Goodman, Steven M.: UADBA: 1 [1 - **5** - **5**].
Grotte des chauves-souris: 1 January 2012: ?: Collector Unknown: FMNH: 9, UADBA: 5 [14]; Goodman, Steven M.: UADBA: 5 [5 - **19**] - 1 January 2014: ?: Collector Unknown: FMNH: 13 [13]; Goodman, Steven M.: UADBA: 1 [1 - **14**] - 7 April 2014: Goodman, Steven M.; Ramasindrazana, Beza: FMNH: 1 [1 - **1** - **34**].
Grotte des chauves-souris/makis: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1**] - 1 January 2012: ?: Collector Unknown: FMNH: 4, UADBA: 5 [9]; Goodman, Steven M.: UADBA: 1 [1 - **10** - **11**].
Grotte du troisième canyon: Collection Date Unknown: : FMNH: 4 [4 - **4**] - 1 January 2012: ?: Collector Unknown: FMNH: 4 [4]; Goodman, Steven M.: UADBA: 5 [5 - **9** - **13**].
Grottes d'Anjohibe: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].
Hellville: 22 March 1963: Lange, K.L.: USNM: 1 [1 - **1**] - 24 March 1963: Lange, K.L.: USNM: 1 [1 - **1** - **2**].
Hellville, 3 km E: 21 July 1964: Humes, Arthur Grover; Berger, J.: USNM: 1 [1 - **1** - **1**].
Hiaraka: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
High Fanjahira, valley: Collection Date Unknown: Grandidier Collection, The: MCZ: 1 [1 - **1**] - 1 January 1932: Grandidier Collection, The: MCZ: 5 [5 - **5** - **6**].
Hôpital CSB II Mazavatakona: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
Ibity Massif, Tombamnoanjo: 25 May 2003: Ravoahangy, A,: FMNH: 2 [2 - **2** - **2**].
Ifanadiana: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Ifanadiana, 6 km SSW: 10 August 1988: Creighton, G. Kenneth; Ryan, J.M.: USNM: 18 [18 - **18** - **18**].
Ifandanana: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1** - **1**].
Ihosy: 1 January 2013: ?: Collector Unknown: FMNH: 3, UADBA: 8 [11]; Goodman, Steven M.: UADBA: 1 [1 - **12** - **12**].
Ihosy, 30 km N: 14 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 4 [4 - **4** - **4**].
Ikongo: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Ikongo forest: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Ile Sainte Marie: Collection Date Unknown: : FMNH: 28 [28 - **28** - **28**].
Imasindrary: Collection Date Unknown: ?: Collector Unknown: BMNH: 8 [8]; : NMW: 1 [1 - **9** - **9**].
Imasindrary [= Masindary]: Collection Date Unknown: ?: Collector Unknown: BMNH: 4 [4 - **4**] - 3 July 1895: Grandidier Collection, The: MCZ: 1 [1 - **1** - **5**].
Imasindrary [=Sahamananina]: 3 July 1895: Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **1** - **1**].
Imerina, forest, E of: Collection Date Unknown: Wills, J.: BMNH: 1 [1 - **1** - **1**].
in a marine cave between Sarodrano and Saint-Augustin: 9 May 1967: ?: Collector Unknown: ROM: 1 [1]; Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 26 [26 - **27** - **27**].
Isalo National Park: Collection Date Unknown: ?: Collector Unknown: FMNH: 1, UADBA: 1 [2 - **2** - **2**].
Itambelo: 6 June 1896: : BMNH: 1 [1 - **1** - **1**].
Itampolo: Collection Date Unknown: ?: Collector Unknown: FMNH: 3, UADBA: 2 [5 - **5** - **5**].
Itampolo: 18 February 2005: ?: Collector Unknown: FMNH: 5 [5 - **5** - **5**].
Itapera: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Itaranta: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 1 January 1990: ?: Collector Unknown: USNM: 2 [2 - **2** - **3**].
Itremo: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Ivohibe: Collection Date Unknown: ?: Collector Unknown: AMNH: 1, MNHN: 1 [2]; : BMNH: 1 [1 - **3**] - 16 June 1929: Rand, Austin Loomer: AMNH: 2 [2 - **2**] - 14 August 1929: ?: Collector Unknown: MNHN: 4 [4]; Rand, Austin Loomer: AMNH: 2 [2 - **6** - **11**].
Ivokimanitra: Collection Date Unknown: Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **1** - **1**].
Joffreville: 7 April 1963: Lange, K.L.: USNM: 1 [1 - **1** - **1**].
Joffreville, 5.5 km SW: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Joffreville, 6 mi S: 2 April 1963: Lange, K.L.: USNM: 8 [8 - **8** - **8**].
Junck: 26 April 1967: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Junok: 26 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 290 [290 - **290** - **290**].
Kandreho: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Kianjavato: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3**] - 9 August 1987: Creighton, G. Kenneth: AMNH: 1 [1 - **1**] - 22 May 2005: Rakotonandrasana, E.; Ratrimomanarivo, Fania H.: FMNH: 1 [1 - **1** - **5**].
Kianjavato, 0.5 km N: 9 August 1987: Creighton, G. Kenneth; Emmons, Louise H.: USNM: 6 [6 - **6**] - 10 August 1987: Creighton, G. Kenneth; Emmons, Louise H.: USNM: 4 [4 - **4**] - 11 August 1987: Creighton, G. Kenneth; Emmons, Louise H.: USNM: 4 [4 - **4**] - 12 August 1987: Creighton, G. Kenneth; Emmons, Louise H.: USNM: 18 [18 - **18** - **32**].
Kianjavato, 4 km E by road: 3 August 1988: Creighton, G. Kenneth; Ryan, J.M.: USNM: 14 [14 - **14** - **14**].
Kinakina: Collection Date Unknown: Koechlin, Bernard: MNHN: 1 [1 - **1** - **1**].
Kirindy Forest: Collection Date Unknown: ?: Collector Unknown: FMNH: 1, UADBA: 13 [14 - **14** - **14**].
Kyma Kyma: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Lac Alaotra, near: 1 June 1960: Smit, H.A.W.: ZMA: 2 [2 - **2** - **2**].
Les Roussettes: Collection Date Unknown: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].
Lotry, lake: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Lower Fiherenana Valley: Collection Date Unknown: Grandidier Collection, The: MCZ: 4 [4 - **4**] - 1 January 1912: Grandidier Collection, The: MCZ: 1 [1 - **1**] - 1 July 1932: Decary, Raymond: MCZ: 1 [1 - **1**] - 1 December 1933: Decary, Raymond: MCZ: 1 [1 - **1** - **7**].
Madagascar: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, MNHN: 1 [2]; Major, Charles Immanuel Forsyth: BMNH: 1 [1 - **3** - **3**].
Maevatanana: 1 January 1911: Mazières: MCZ: 2 [2 - **2** - **2**].
Mahabo: 29 April 1898: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 January 2012: ?: Collector Unknown: UADBA: 8 [8]; Goodman, Steven M.: UADBA: 1 [1 - **9** - **10**].
Mahafaly: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Mahajanga: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1]; : FMNH: 1 [1 - **2** - **2**].
Mahajanga province: 2 August 1992: ?: Collector Unknown: SMF: 2 [2 - **2**] - 6 July 1999: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].
Mahajanga, N of: 1 January 2012: ?: Collector Unknown: FMNH: 4, UADBA: 5 [9 - **9** - **9**].
Mahaleotse: 4 June 2002: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Mahanoro: 1 May 1895: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
maison d'habitation: Collection Date Unknown: : FMNH: 11 [11 - **11** - **11**].
Majunga: Collection Date Unknown: ?: Collector Unknown: MNHN: 5, NMW: 1 [6]; Bastard, Eugène Joseph: MNHN: 1 [1 - **7** - **7**].
Malaza Manga Aven: 4 March 2002: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Manahy, 0.75 km SW: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3**] - 18 November 2002: ?: Collector Unknown: FMNH: 2 [2 - **2** - **5**].
Manakara be, EPP Tanambe, salle A: Collection Date Unknown: : FMNH: 13 [13 - **13** - **13**].
Manambato: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Mananara: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Mananaro: Collection Date Unknown: Audebert, Jean Baptiste: ZMB: 1 [1 - **1** - **1**].
Mananjary: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Manantanely Forest: 29 September 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 1 [1 - **1** - **1**].
Manantantely: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 19 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 6 [6 - **6** - **7**].
Manantenina: 28 November 1948: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 7 November 1990: Creighton, G. Kenneth: USNM: 46 [46 - **46** - **47**].
Manantenina, 14 km N by road: 9 November 1989: Goodman, Steven M.: USNM: 2 [2 - **2** - **2**].
Mandena Forest: 15 September 1989: Creighton, G. Kenneth: USNM: 2 [2 - **2** - **2**].
Mandritsara, N of: Collection Date Unknown: Grandidier Collection, The: MCZ: 2 [2 - **2**] - 1 January 1927: Grandidier Collection, The: MCZ: 2 [2 - **2** - **4**].
Mandromondromotra River: 15 June 1968: Williams, A.E.: ROM: 2 [2 - **2** - **2**].
Maninday: 13 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 2 [2 - **2** - **2**].

Marasohy Forest: 8 December 1989: Creighton, G. Kenneth; Ryan, J.M.: USNM: 2 [2 - **2** - **2**].
Maroantsetra: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].
Maroantsetra [= Bevato], 40 km NW: 20 May 1930: Delacour, Jean B. Theodore: FMNH: 5 [5 - **5**] - 25 May 1930: Mission Zoologique Franco-Anglo-Americaine, La: MNHN: 1 [1 - **1** - **6**].
Maroantsetra NW of: 15 May 1905: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Maroantsétra, 2 days NE: Collection Date Unknown: ?: Collector Unknown: MNHN: 18 [18 - **18** - **18**].
Maroantsetra, 20 km SW: Collection Date Unknown: ?: Collector Unknown: MNHN: 66 [66]; : BMNH: 2 [2 - **68**] - 1 June 1930: ?: Collector Unknown: FMNH: 6 [6 - **6** - **74**].
Maroantsetra, 40 km NW: Collection Date Unknown: ?: Collector Unknown: MNHN: 19 [19 - **19**] - 15 May 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 31 May 1930: Rand, Austin Loomer: AMNH: 1 [1 - **1** - **21**].
Maroantsetra, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 11 [11 - **11** - **11**].
Marofandilia: 1 January 2012: ?: Collector Unknown: UADBA: 5 [5]; Goodman, Steven M.: UADBA: 3 [3 - **8** - **8**].
Marofihitsa, 11 km SE: 16 November 2002: ?: Collector Unknown: FMNH: 11 [11 - **11** - **11**].
Marofihitsa, 13 km W: 11 November 2002: ?: Collector Unknown: FMNH: 4 [4 - **4** - **4**].
Marojejy: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Marojéjy: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Maromandia: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; : BMNH: 2 [2 - **4**] - 31 January 1931: Rand, Austin Loomer: AMNH: 1 [1 - **1** - **5**].
Maromandia cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Maromandia, NW: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 January 1949: Millot, Jacques: FMNH: 3 [3 - **3** - **4**].
Marovatanana: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Marovaza: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3]; Goodman, Steven M.; Ratrimomanarivo, Fania H.: FMNH: 2 [2 - **5**] - 11 December 2004: Goodman, Steven M.; Ratrimomanarivo, Fania H.: FMNH: 1 [1 - **1**] - 21 April 2005: Goodman, Steven M.; Ratrimomanarivo, Fania H.: FMNH: 2 [2 - **2** - **8**].
Marovaza, 4.2 km SE: 1 April 2005: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Marovoay: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Marovony Forest: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2**] - 28 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 2 [2 - **2**] - 29 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 1 [1 - **1** - **5**].
Marozevo, maison d'habitation II: Collection Date Unknown: : FMNH: 3 [3 - **3** - **3**].
Matsaborimadio, at edge of: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Matsaborymadio: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
Meratanana: 1 January 1900: Decorse, J.: FMNH: 1 [1 - **1** - **1**].
Mevatanana: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].
Miandrivazo: 25 June 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].
Miari [probably Miary, near Tuléar]: Collection Date Unknown: Grandidier, Alfred: MNHN: 1 [1 - **1** - **1**].
Miari [probably Miary, near Tuléar]: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Miary: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Mikea Forest: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1** - **1**].
Mikea Forest, Grotte d'Andalambezo: Collection Date Unknown: Paulian, Renaud: MNHN: 6 [6 - **6** - **6**].
Mistinjo: Collection Date Unknown: ?: Collector Unknown: MNHN: 97 [97]; Catta, M.: MNHN: 1 [1]; Decary, Raymond: MNHN: 1 [1 - **99**] - 1 April 1929: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 5 August 1929: Mission F.A.A., La: MNHN: 1 [1 - **1**] - 1 September 1929: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 1 January 1930: Decary, Raymond: MNHN: 2 [2 - **2**] - 1 January 1932: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 September 1952: Paulian, Renaud: MNHN: 1 [1 - **1**] - 7 August 1968: Koechlin, Bernard: MNHN: 1 [1 - **1** - **109**].
Mitoho Cave, near: 28 February 2002: ?: Collector Unknown: FMNH: 15 [15 - **15**] - 2 March 2002: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 1 October 2004: ?: Collector Unknown: FMNH: 2 [2 - **2** - **18**].
Mongakatompo: 24 May 1932: Rand, Austin Loomer: MNHN: 2 [2 - **2** - **2**].
Monjakatompo: 23 May 1923: Rand, Austin Loomer: AMNH: 1 [1 - **1**] - 24 May 1929: Rand, Austin Loomer: AMNH: 1 [1 - **1** - **2**].
Montagne d'Ambre: Collection Date Unknown: ?: Collector Unknown: USNM: 9 [9]; Lange, K.L.: USNM: 6 [6 - **15**] - 2 April 1963: Lange, K.L.: USNM: 1 [1 - **1** - **16**].
Montagne des Français: Collection Date Unknown: Robinson, A.: MNHN: 3 [3 - **3** - **3**].
Moramanga: 1 February 1930: Grandidier Collection, The: MCZ: 3 [3 - **3**] - 1 February 1932: Decary, Raymond: MCZ: 2 [2 - **2** - **5**].
Moramanga: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**]. [9 - **9** - **9**]. [10 - **10** - **10**]. [10 - **10** - **10**].
Morondava: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 15 June 1891: Doulist, M.: MNHN: 1 [1 - **1**] - 1 January 1932: Darcis, Georges: MCZ: 2 [2 - **2** - **11**].
Mount Ambre: Collection Date Unknown: ?: Collector Unknown: MNHN: 23 [23 - **23** - **23**].
Mozambique Channel at N end of St. Augustin Bay: 1 January 1914: Lescure: MCZ: 3 [3 - **3** - **3**].
Mpasibola: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Nahampoana: Collection Date Unknown: ?: Collector Unknown: UADBA: 1, USNM: 8 [9 - **9**] - 6 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 10 [10 - **10**] - 29 November 1990: Creighton, G. Kenneth: USNM: 3 [3]; Creighton, G. Kenneth; Raholimavo, E.: USNM: 3 [3 - **6** - **25**].
Nahampoana Forest: 6 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 5 [5 - **5**] - 29 November 1990: Creighton, G. Kenneth: USNM: 15 [15 - **15** - **20**].
Namoroka: Collection Date Unknown: ?: Collector Unknown: FMNH: 3, MNHN: 6 [9]; : AMNH: 1 [1 - **10**] - 6 March 1931: Rand, Austin Loomer: FMNH: 2 [2]; Rand, Austin Loomer; Du Mont, Philip A.; Mission Zoologique Franco-Anglo-Americaine, La: MNHN: 1 [1 - **3**] - 7 March 1931: ?: Collector Unknown: MNHN: 1 [1 - **1** - **14**].
Namoroka village, 2 km SE: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Namoroka, Réserve Naturelle: 1 September 1952: Paulian, Renaud: MNHN: 1 [1 - **1** - **1**].
National Park de Zombitse-Vhibasia: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
near Itaranta River: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2**] - 11 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 3 [3 - **3** - **5**].
near Matsaborimanga, Ankarana, N of: 1 June 1910: Grandidier, Guillaume: MCZ: 1 [1 - **1** - **1**].
no specific locality: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; Schneider: ZMB: 1 [1 - **3** - **3**].

North West Madagascar: 6 December 1972: Williams, A.E.: ROM: 2 [2 - **2** - **2**].
North-west coast: 23 July 1865: : RMNH: 1 [1 - **1** - **1**].
Nossi Be island: Collection Date Unknown: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Nossi Tany Kely: 4 October 1865: : RMNH: 1 [1 - **1** - **1**].
Nossi-Be: Collection Date Unknown: Stequert, B.: ZMA: 2 [2 - **2**] - 30 July 1865: : RMNH: 1 [1 - **1**] - 17 August 1865: : RMNH: 1 [1 - **1** - **4**].
Nossibé: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].
Nosy Be: Collection Date Unknown: : FMNH: 34 [34]; Goodman, Steven M.: UADBA: 5 [5 - **39** - **39**].
Nosy Bé: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Nosy Be, Centre ORSTOM: 1 July 1975: Stequert, B.: ZMA: 2 [2 - **2** - **2**].
Nosy Komba: Collection Date Unknown: : FMNH: 12 [12]; Goodman, Steven M.: UADBA: 4 [4 - **16** - **16**].
NW Madagascar: Collection Date Unknown: Hildebrandt, Johann Maria: ZMB: 1 [1 - **1** - **1**].
on Onilahy river, Androbaha cave [=Grotte d'Androbaha]: Collection Date Unknown: Voeltzkow, Alfred: ZMB: 6 [6 - **6** - **6**].
Palace Rock: 20 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1** - **1**].
Parc National de la Montagne d'Ambre: Collection Date Unknown: ?: Collector Unknown: FMNH: 1, UADBA: 12 [13 - **13** - **13**].
Parc National de la Montagne d'Ambre, Station des Roussettes: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Parc National de Mantadia: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1** - **1**].
Périnet [= Andasibe] cité CIBA: Collection Date Unknown: : FMNH: 3 [3 - **3** - **3**].
Périnet [= Andasibe], CIBA: Collection Date Unknown: : FMNH: 5 [5 - **5** - **5**].
Périnet [= Andasibe], cité CIBA: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
Perinet Railway Station [=Périnet]: 25 April 1967: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Périnet, 1 mi S: 1 June 1968: Williams, A.E.: ROM: 1 [1 - **1**] - 2 June 1968: Williams, A.E.: ROM: 2 [2 - **2**] - 3 June 1968: Williams, A.E.: ROM: 4 [4 - **4** - **7**].
Périnet, 3 km E: Collection Date Unknown: : USNM: 8 [8 - **8**] - 3 May 1963: Lange, K.L.: USNM: 2 [2 - **2** - **10**].
Périnet, 5 km S: 24 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 12 [12 - **12** - **12**].
Périnet, 8 km S: 23 April 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 33 [33 - **33** - **33**].
Périnet-Analamazaotra: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].
Petriky Forest: 25 September 1989: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **1**].
PK 9 and PK 10, between: Collection Date Unknown: Jenkins, Richard K.B.: FMNH: 1, UADBA: 1 [2 - **2** - **2**].
PN d'Andohahela, 8 km NW Eminiminy: Collection Date Unknown: : FMNH: 2 [2 - **2** - **2**].
PN d'Andringitra: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
PN de Bemaraha, Ankidrodroa: Collection Date Unknown: : FMNH: 27 [27 - **27** - **27**].
PN de Bemaraha, Foret d'Andranogidro: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
PN de Bemaraha, Grotte d'Anjohimbazimba: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
PN de Bemaraha, south bank Manambolo River, near Tombeau Vazimba: Collection Date Unknown: : FMNH: 5 [5 - **5**] - 2 December 2001: ?: Collector Unknown: FMNH: 1 [1 - **1** - **6**].
PN de Bemaraha, Zohy Atsimo: Collection Date Unknown: : FMNH: 20 [20 - **20** - **20**].
PN de la Montagne d'Ambre, Station Forestiére des Roussettes: Collection Date Unknown: : FMNH: 7 [7 - **7** - **7**].
Point de la Fièvre: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Pointe Sarodrano: 9 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 35 [35 - **35**] - 10 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 18 [18 - **18**] - 11 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 6 [6 - **6**] - 12 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1** - **60**].
Poste Forestier de Farankaraina: 24 November 2007: Ruedi, Manuel; Goodman, Steven M.: FMNH: 3 [3 - **3** - **3**].
Rakotoniaine: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ramara: Collection Date Unknown: Bluntschli, Hans Georg Hermann: ZMB: 1 [1 - **1** - **1**].
Ranhira, 7.8 km N: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Ranobe: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 16 August 2003: ?: Collector Unknown: FMNH: 1 [1 - **1** - **2**].
Ranohira: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Ranohira: 1 December 2002: ?: Collector Unknown: FMNH: 6 [6 - **6** - **6**].
Ranohira, 10.5 km SW [Hotel Jardin du Roi]: 1 December 2011: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Ranohira, 3.8 km NW: Collection Date Unknown: ?: Collector Unknown: FMNH: 2, UADBA: 1 [3]; Goodman, Steven M.: UADBA: 1 [1 - **4**] - 1 January 2012: ?: Collector Unknown: FMNH: 1 [1 - **1** - **5**].
Ranohira, appr. 10.5 km SW: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Ranomafana hôpital CSB II: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
Ranomafana, Église catholique: Collection Date Unknown: : FMNH: 4 [4 - **4** - **4**].
Ranopiso, 20 km WNW and Amboasary, 12 km ENE: 1 January 1990: Creighton, G. Kenneth: USNM: 14 [14 - **14**] - 8 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 1 [1 - **1**] - 9 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 2 [2 - **2**] - 11 October 1990: Creighton, G. Kenneth; Raholimavo, E.: USNM: 5 [5 - **5** - **22**].
Reserve Speciale d'Ankarana, Ambahibe, cave [=Grotte d'Ambahibe]: Collection Date Unknown: ?: Collector Unknown: FMNH: 5 [5 - **5** - **5**].
Reserve Speciale d'Ankarana, Andrafiabe Cave, forest near [=forêt près de la grotte d'Andrafiabe]: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Reserve Speciale d'Ankarana, Antsironandoha Cave, west [=Ouest de la grotte d'Antsironandoha]: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Réserve Spéciale d'Ankarana, Canyon d'Antsiroandoa Centre: 8 April 2002: Razakarivony, Vola; Cardiff, Scott G.: FMNH: 6 [6 - **6** - **6**].
RNI d'Andohahela [= PN d'Andohahela], parcel 1: Collection Date Unknown: : FMNH: 2 [2 - **2** - **2**].
RNI de Namoroka, along Ampandra River: Collection Date Unknown: : FMNH: 13 [13 - **13** - **13**].
RNI de Namoroka, Forêt d'Ambovonomby: Collection Date Unknown: : FMNH: 2 [2 - **2** - **2**].
RNI de Namoroka, Grotte d'Ampidiranamhaja: Collection Date Unknown: : FMNH: 3 [3 - **3** - **3**].
RNI de Namoroka, Grotte d'Andriabe: Collection Date Unknown: : FMNH: 4 [4 - **4** - **4**].
RNI de Namoroka, near source of Mandevy River: Collection Date Unknown: : FMNH: 14 [14 - **14** - **14**].
RNI de Namoroka, site d'Andriabe: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].

RNI de Namoroka,Forêt d'Ambovonomby: Collection Date Unknown: : FMNH: 5 [5 - **5** - **5**].
Rodo valley: 1 June 1910: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
Rogez: Collection Date Unknown: ?: Collector Unknown: MNHN: 11 [11 - **11** - **11**].
Roqez, near: 1 May 1928: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
RS d'Anjanaharibe-Sud, Marolakana River: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
RS d'Ankarana, 3.5 km SE Andrafiabe: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
RS d'Ankarana, Grotte des Chauves-souris: Collection Date Unknown: : FMNH: 11 [11 - **11** - **11**].
RS d'Ankarana, Grotte Milaintety: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
RS d'Ankarana, Ambahibe Cave: Collection Date Unknown: : FMNH: 3 [3 - **3** - **3**].
RS d'Ankarana, Andavaka Ankohatra: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
RS d'Ankarana, Antsironandoha Cave: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
RS d'Ankarana, Campement des Anglais [= Anilotra]: Collection Date Unknown: : FMNH: 2 [2 - **2** - **2**].
RS d'Ankarana, Canyon d'Antsiroandoa Centre: Collection Date Unknown: : FMNH: 7 [7 - **7** - **7**].
RS d'Ankarana, Grotte Boribe: Collection Date Unknown: : FMNH: 3 [3 - **3** - **3**].
RS d'Ankarana, Grotte d'Ambatoharanana: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
RS d'Ankarana, Grotte des Chauves-souris: Collection Date Unknown: : FMNH: 17 [17 - **17** - **17**].
RS d'Ankarana, in forest near Andrafiabe Cave: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
RS d'Ankarana, Lavaka Ambitsokotsoka: Collection Date Unknown: : FMNH: 4 [4 - **4** - **4**].
RS d'Ankarana, Sentier Botanique: Collection Date Unknown: : FMNH: 2 [2 - **2** - **2**].
Sabotsy Anjiro, Andranoalina, maison d'habitation No. 3: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
Sabotsy Anjiro, maison d'habitation: Collection Date Unknown: : FMNH: 7 [7 - **7** - **7**].
Sabotsy Anjiro, maison d'habitation No. 2: Collection Date Unknown: : FMNH: 9 [9 - **9** - **9**].
Sahafina: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Sahamalaza: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1** - **1**].
Sahanafa River, along: 9 December 2002: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].
Saint Augustin: 10 June 1968: Williams, A.E.: ROM: 20 [20]; Williams, John George: ROM: 1 [1 - **21** - **21**].
Sainte Luce Forest: 5 October 1989: Creighton, G. Kenneth: USNM: 1 [1 - **1**] - 13 October 1989: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **2**].] - 20 October 1989: Creighton, G. Kenneth: USNM: 2 [2 - **2**] - 22 October 1989: Creighton, G. Kenneth: USNM: 2 [2 - **2**] - 23 October 1989: Creighton, G. Kenneth: USNM: 2 [2 - **2** - **6**].
Sainte Marie: Collection Date Unknown: Voeltzkow, Alfred: ZMB: 1 [1 - **1** - **1**].
Sainte-Luce forest: 5 October 1989: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **1**].
Sainte-Marie: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Sakaleo River: 11 May 1895: Abbott, William Louis: USNM: 2 [2 - **2**] - 12 May 1895: Abbott, William Louis: USNM: 1 [1 - **1** - **3**].
Sakana: Collection Date Unknown: Voeltzkow, Alfred: ZMB: 21 [21 - **21** - **21**].
Sakaraha: Collection Date Unknown: ?: Collector Unknown: FMNH: 2, MNHN: 84 [86 - **86**] - 20 March 1963: Smith, J.: YPM: 1 [1 - **1**] - 7 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 18 [18 - **18**] - 8 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 4 [4 - **4**] - 1 January 2012: ?: Collector Unknown: FMNH: 2, UADBA: 4 [6]; Goodman, Steven M.: UADBA: 1 [1 - **7** - **116**].
Sakoandrano cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Sambirano River, lower: Collection Date Unknown: Grandidier Collection, The: MCZ: 2 [2 - **2** - **2**].
Sarodrano: Collection Date Unknown: ?: Collector Unknown: FMNH: 5, UADBA: 3 [8]; Goodman, Steven M.: UADBA: 1 [1 - **9**] - 10 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 19 [19 - **19**] - 11 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 3 [3 - **3**] - 12 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 2 [2 - **2** - **33**].
Sarodrano caves: 19 May 1898: Grandidier, Guillaume: MNHN: 3 [3 - **3** - **3**].
Sarondrano: Collection Date Unknown: ?: Collector Unknown: MNHN: 14 [14 - **14**] - 3 July 1905: ?: Collector Unknown: MNHN: 1 [1 - **1** - **15**].
Sarondrano caves: Collection Date Unknown: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].
Sept Lacs: 5 March 2002: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
SF de Tampolo: Collection Date Unknown: : FMNH: 1 [1 - **1** - **1**].
Sianaka forest: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 12 April 1905: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Siribihina River, Upper: 3 July 1915: Wulsin, Frederik Roelker: MCZ: 1 [1 - **1** - **1**].
Soalala: 31 March 1931: Delacour, Jean B. Theodore: FMNH: 1 [1 - **1** - **1**].
Southern Tanatarive: 21 April 1967: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1** - **1**].
St Augustin caves: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Station Forestière d'Ampijoroa, Jardin Botanique: 18 April 2003: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].
Station Forestière d'Antanampoera, on trail to: 14 February 2006: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Station Forestière d'Antsampandrano: 26 March 2003: Goodman, Steven M.: FMNH: 15 [15 - **15** - **15**].
Station Forestière d'Ivoloina, près du gîte Mahatsinjo: Collection Date Unknown: : UADBA: 2 [2 - **2** - **2**].
Tabulayi to Ankazoabo: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Tahiky: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Taluky: 10 November 1929: ?: Collector Unknown: MNHN: 1 [1]; : BMNH: 1 [1 - **2** - **2**].
Tamatave: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1]; Voeltzkow, Alfred: ZMB: 1 [1 - **2**] - 11 March 1899: Flemming, G.: USNM: 1 [1 - **1**] - 1 July 1972: Blommers-Schlösser, Rose Marie Antoinette: ZMA: 1 [1 - **1** - **4**].
Tamatave [=Toamasina]: 1 June 1915: Wulsin, Frederik Roelker: MCZ: 2 [2 - **2** - **2**].
Tamatave, N of: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Tampina: Collection Date Unknown: Bluntschli, Hans Georg Hermann: ZMB: 1 [1 - **1**] - 1 January 1931: Bluntschli, Hans Georg Hermann: AMNH: 7 [7 - **7**] - 1 June 1931: Bluntschli, Hans Georg Hermann: AMNH: 6 [6 - **6**] - 5 June 1931: Bluntschli, Hans Georg Hermann: AMNH: 1 [1 - **1**] - 18 June 1931: Bluntschli, Hans Georg Hermann: AMNH: 9 [9 - **9** - **24**].
Tanala: 1 January 1928: Decary, Raymond: MCZ: 1 [1 - **1** - **1**].
Tananarive: Collection Date Unknown: ?: Collector Unknown: MNHN: 18 [18 - **18**] - 2 December 1910: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 January 1957: Chabaud, Alain Gabriel: MNHN: 1 [1 - **1** - **20**].
Tananarive, near: Collection Date Unknown: Grandidier Collection, The; Decary, Raymond: MCZ: 1 [1 - **1** - **1**].
Tananarivo [=Antananarivo]: Collection Date Unknown: Caldwell, Sclater: ZMB: 1 [1 - **1** - **1**].
Tisihombe: 7 December 1962: Lange, K.L.: USNM: 6 [6 - **6** - **6**].

Toamasina: Collection Date Unknown: ?: Collector Unknown: UADBA: 1 [1 - **1** - **1**].
Toamasina: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**]. [7 - **7** - **7**].
Tolagnaro, 2 km WNW: 17 November 1989: Creighton, G. Kenneth: USNM: 20 [20]; Creighton, G. Kenneth; Goodman, Steven M.: USNM: 13 [13 - **33** - **33**].
Tolanaro: 1 January 1990: Creighton, G. Kenneth: USNM: 1 [1 - **1** - **1**].
Tolear, E of: 16 August 1915: ?: Collector Unknown: AMNH: 1 [1 - **1** - **1**].
Toliara: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1]; : FMNH: 3 [3 - **4** - **4**].
Toliara province: Collection Date Unknown: ?: Collector Unknown: FMNH: 2, UADBA: 2 [4 - **4**] - 22 September 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 23 November 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 November 1991: ?: Collector Unknown: SMF: 1 [1 - **1** - **7**].
Toliary province: Collection Date Unknown: ?: Collector Unknown: FMNH: 4, UADBA: 4 [8 - **8**] - 1 August 1913: Lescure: MCZ: 1 [1 - **1** - **9**].
Tranoroa: 1 January 1932: Grandidier Collection, The: MCZ: 1 [1 - **1**] - 1 June 1932: Decary, Raymond: MCZ: 12 [12 - **12** - **13**].
Tsaratanana: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Tsiandro: 16 July 1929: Delacour, Jean B. Theodore; Lowe: AMNH: 1 [1 - **1**] - 19 July 1929: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Tsihombe: 7 December 1962: Lange, K.L.: USNM: 6 [6 - **6** - **6**].
Tsimafana: 1 January 2012: ?: Collector Unknown: FMNH: 5, UADBA: 3 [8]; Goodman, Steven M.: UADBA: 1 [1 - **9** - **9**].
Tsimanampetsotsa: Collection Date Unknown: ?: Collector Unknown: FMNH: 5 [5]; Goodman, Steven M.: UADBA: 2 [2 - **7** - **7**].
Tsimanampetsotsa, lake: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 20 February 1930: Mission F.A.A., La: MNHN: 2 [2 - **2** - **3**].
Tsimbazaza, lake: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Tsimilofo: 1 June 1932: Decary, Raymond: MCZ: 3 [3 - **3** - **3**].
Tsinjoarivo, 10 km SE: Collection Date Unknown: ?: Collector Unknown: FMNH: 6 [6]; Goodman, Steven M.: UADBA: 2 [2 - **8** - **8**].
Tsiombe-Androy: Collection Date Unknown: Grandidier Collection, The: MCZ: 1 [1 - **1**] - 1 August 1913: Lescure: MCZ: 13 [13 - **13**] - 1 January 1932: Grandidier Collection, The: MCZ: 1 [1 - **1**] - 4 April 1932: Decary, Raymond: MCZ: 1 [1 - **1** - **16**].
Tsiribihina River: 8 July 1915: Wulsin, Frederik Roelker: FMNH: 1 [1 - **1** - **1**].
Tsiroanomandidy: 16 June 1929: ?: Collector Unknown: MNHN: 1 [1]; : BMNH: 1 [1 - **2** - **2**].
Tuléar: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Voeltzkow, Alfred: ZMB: 3 [3 - **4**] - 11 March 1971: Blommers-Schlösser, Rose Marie Antoinette; Blommers, L.: ZMA: 1 [1 - **1** - **5**].
Tuléar airport: 11 May 1967: Peterson, Randolph L.; Williams, John George; Glen, Robert M.: ROM: 43 [43 - **43** - **43**].
Tulear region: Collection Date Unknown: : RMNH: 1 [1 - **1** - **1**].
Tulear, 80 km E: 23 October 1929: ?: Collector Unknown: MNHN: 1 [1]; : BMNH: 1 [1]; Rand, Austin Loomer: AMNH: 1 [1 - **3** - **3**].
Tuléar, 80 km E: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
un named cave: Collection Date Unknown: : FMNH: 2 [2 - **2** - **2**].
Unknown locality: Collection Date Unknown: : FMNH: 221, UADBA: 6, USNM: 5 [232]; Goodman, Steven M.: UADBA: 2 [2 - **234** - **234**].
unnamed cave: Collection Date Unknown: ?: Collector Unknown: FMNH: 10 [10]; : FMNH: 4 [4 - **14**] - 23 March 2003: Goodman, Steven M.: FMNH: 6 [6 - **6** - **20**].
unspecified locality: Collection Date Unknown: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 15 April 1993: Rasolozaka, I.N.; Goodman, Steven M.: FMNH: 1 [1 - **1**] - 17 April 1993: Goodman, Steven M.; Razolozaka, I.N.: FMNH: 1 [1 - **1**] - 7 May 2003: Frontier-Madagascar, The: FMNH: 1 [1 - **1** - **5**].
Vatovavy: 28 July 1988: Creighton, G. Kenneth; Ryan, J.M.: USNM: 1 [1 - **1**] - 29 July 1988: Creighton, G. Kenneth; Ryan, J.M.: USNM: 2 [2 - **2**] - 30 July 1988: Creighton, G. Kenneth; Ryan, J.M.: USNM: 6 [6 - **6**] - 31 July 1988: Creighton, G. Kenneth; Ryan, J.M.: USNM: 1 [1 - **1** - **10**].
Vinanitelo: Collection Date Unknown: ?: Collector Unknown: BMNH: 3, MNHN: 1 [4 - **4** - **4**].
Vinanitelo [= Vinantelo]: Collection Date Unknown: : BMNH: 2, NMW: 2 [4 - **4**] - 26 May 1896: : FMNH: 1 [1 - **1** - **5**].
Vitane: Collection Date Unknown: ?: Collector Unknown: FMNH: 3 [3 - **3** - **3**].
Vohemar: Collection Date Unknown: Brebner, C.W.: RMNH: 1 [1]; Crossley, Alfred: BMNH: 1 [1 - **2** - **2**].
Vohipeno, Commune Vohitrindry, Quartier Fenoarivo, grenier N. 1: Collection Date Unknown: : FMNH: 10 [10 - **10** - **10**].
Vohipeno, quartier Ambohimanarivo, bureau de Fivondronana: Collection Date Unknown: : FMNH: 13 [13 - **13** - **13**].
Vohiposa: 1 January 2013: ?: Collector Unknown: FMNH: 8, UADBA: 5 [13 - **13** - **13**].
Vondrozo, cave N of: 28 August 1925: Grandidier Collection, The: MCZ: 1 [1 - **1** - **1**].
West Coast: 1 January 1901: Grandidier Collection, The: MCZ: 2 [2 - **2** - **2**].
Western Madagascar: 1 January 1938: Decary, Raymond: FMNH: 2 [2 - **2** - **2**].
Zazafotsy: Collection Date Unknown: ?: Collector Unknown: FMNH: 4 [4 - **4** - **4**].
Zombitsy forest: 18 April 1993: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].

Total Specimens for Madagascar: 5667

Madeira (Portugal)

Funchal: 21 December 2014: MMF: 1 [1 - **1** - **1**].
Madeira: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Unknown locality: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; MacGillivray, William S.: BMNH: 1 [1 - **3** - **3**].

Total Specimens for Madeira (Portugal): 7

Malawi

Unknown locality: Collection Date Unknown: BMNH: 171, MNHN: 5, SMF: 4 [180]; Burda, H.: SMF: 1 [1]; Chimimba, Christian Timonthy: WAM: 5 [5]; Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 3 [3]; Mason, G.W.E.: RMNH: 1 [1]; Van Strien, Nico J.: RMNH: 1 [1 - **191**] - 1 July 1986: Van Strien, Nico J.: ZMA: 2 [2 - **2**] - 9 April 1997: ?: Collector Unknown:

SMF: 2 [2 - **2**] - 6 June 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 6 June 2005: ?: Collector Unknown: SMF: 2 [2 - **2**] - 21 June 2005: ?: Collector Unknown: SMF: 3 [3 - **3**] - 22 June 2005: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 July 2005: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 July 2005: ?: Collector Unknown: SMF: 1 [1 - **1** - **204**].

Administration Camp: 24 January 1982: Jachmann, Hugo: ZMA: 4 [4 - **4**] - 25 January 1982: Jachmann, Hugo: ZMA: 2 [2 - **2**] - 29 January 1982: Jachmann, Hugo: ZMA: 1 [1 - **1** - **7**].

Balaka district: 15 September 2001: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Balaka, 20 km N: 2 March 1987: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].

Bangula swamp: Collection Date Unknown: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Bangweolo and Lake Nyasa, between: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].

Blantyre: Collection Date Unknown: : KM: 1 [1 - **1**] - 17 June 1946: Anthony, Harold Elmer: AMNH: 4 [4 - **4**] - 15 October 1960: Hanney, Peter W.: NMMB: 1 [1 - **1**] - 29 April 1983: Chimimba, Christian Timonthy: NMMB: 2 [2 - **2** - **8**].

Blantyre and Zomba, between: 10 May 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Blantyre, Mandala: 11 November 1960: Hanney, Peter W.: NMMB: 1 [1 - **1** - **1**].

Bone's Garden, 16th Avenue: 24 November 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 30 January 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 16 May 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **3**].

Bua Camp, Guard houses: 23 May 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Camp Chikwawa: 16 January 1986: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **1**].

Cape Maclear: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1 - **1**] - 30 May 1975: Robbins, Lynn W.: CM: 7, FMNH: 5 [12 - **12**] - 31 May 1975: Robbins, Lynn W.: FMNH: 1 [1 - **1** - **14**].

Chagwa dam: 22 January 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Chelinda: 28 April 1985: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1, DCDH: 2 [3 - **3**] - 29 April 1985: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1, DCDH: 1 [2 - **2**] - 7 May 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **6**].

Chikwawa: 31 July 1961: Owen, C.R.: NMMB: 3 [3 - **3** - **3**].

Chileka: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 1 March 1961: Harrison, G: MCZ: 1 [1 - **1**] - 7 July 1965: Smith, K.A.C.: ROM: 1 [1 - **1**] - 18 July 1965: Smith, K.A.C.: ROM: 1 [1 - **1**] - 20 July 1965: Smith, K.A.C.: ROM: 6 [6 - **6**] - 21 July 1965: Smith, K.A.C.: ROM: 2 [2 - **2**] - 22 July 1965: Smith, K.A.C.: ROM: 8 [8 - **8**] - 25 July 1965: Smith, K.A.C.: ROM: 1 [1 - **1**] - 28 July 1965: Smith, K.A.C.: ROM: 2 [2 - **2**] - 3 November 1965: Smith, K.A.C.: ROM: 1 [1 - **1**] - 20 December 1965: Smith, K.A.C.: ROM: 1 [1 - **1**] - 22 December 1965: Smith, K.A.C.: ROM: 3 [3 - **3**] - 23 December 1965: Smith, K.A.C.: ROM: 2 [2 - **2**] - 1 January 1966: Smith, K.A.C.: ROM: 1 [1 - **1**] - 7 January 1966: Smith, K.A.C.: ROM: 1 [1 - **1**] - 12 January 1966: Smith, K.A.C.: ROM: 1 [1 - **1**] - 13 January 1966: Smith, K.A.C.: ROM: 2 [2 - **2**] - 14 January 1966: Smith, K.A.C.: ROM: 1 [1 - **1**] - 16 January 1966: Smith, K.A.C.: ROM: 1 [1 - **1**] - 20 January 1966: Smith, K.A.C.: ROM: 1 [1 - **1**] - 24 January 1966: Smith, K.A.C.: ROM: 1 [1 - **1**] - 31 January 1966: Smith, K.A.C.: ROM: 1 [1 - **1**] - 12 February 1966: Smith, K.A.C.: ROM: 1 [1 - **1** - **41**].

Chilinda Camp: 29 December 1990: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 27 July 2004: Malawi Mammal Expedition, The: FMNH: 3 [3 - **3**] - 28 July 2004: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1**] - 1 August 2004: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **6**].

Chilinda Dam: 22 October 2009: ?: Collector Unknown: FMNH: 6 [6 - **6**] - 29 October 2009: ?: Collector Unknown: FMNH: 2 [2 - **2**] - 30 October 2009: ?: Collector Unknown: FMNH: 3 [3 - **3** - **11**].

Chilinda Dam 2, below: 4 November 2009: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Chimpeni Estate: 3 February 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **2**].

Chimpeni farm: 24 April 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Chimpini Farm: 7 May 1961: Hanney, Peter W.: MCZ: 1 [1 - **1** - **1**].

Chinguni Resthouse: 10 November 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Chingwe's Hole: 14 June 1988: Van Strien, Nico J.: ZMA: 5 [5 - **5** - **5**].

Chinteche: 5 December 1939: ?: Collector Unknown: TM: 1 [1 - **1**] - 9 February 1940: ?: Collector Unknown: TM: 6 [6 - **6** - **7**].

Chintheche: 22 November 1977: Jooris: RMCA: 1 [1 - **1**] - 12 January 1978: Jocque: RMCA: 2 [2 - **2**] - 24 January 1978: Jocque: RMCA: 1 [1 - **1**] - 22 February 1978: Jocque: RMCA: 1 [1 - **1** - **5**].

Chinunka, 1.6 km SE: 14 July 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 15 July 2007: Demos, Terrence C.: FMNH: 2 [2 - **2**] - 16 July 2007: Demos, Terrence C.: FMNH: 1 [1 - **1** - **4**].

Chipanzi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Chipata Camp: 8 November 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Chipeni Farm: 24 April 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].

Chipeta Village: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Chiromo: Collection Date Unknown: ?: Collector Unknown: BMNH: 13 [13]; Wood, Rodney C.: BMNH: 11, KU: 17 [28 - **41**] - 27 May 1916: Wood, Rodney C.: BMNH: 1 [1 - **1**] - 1 June 1916: Wood, Rodney C.: BMNH: 2 [2 - **2**] - 3 June 1916: Wood, Rodney C.: FMNH: 1 [1 - **1**] - 4 June 1916: Wood, Rodney C.: FMNH: 1 [1 - **1**] - 5 June 1916: Wood, Rodney C.: FMNH: 1 [1 - **1**] - 7 June 1916: Wood, Rodney C.: BMNH: 1, FMNH: 1 [2 - **2**] - 8 June 1916: Wood, Rodney C.: BMNH: 1, FMNH: 2 [3 - **3**] - 17 June 1916: Wood, Rodney C.: BMNH: 1 [1 - **1**] - 19 July 1916: Wood, Rodney C.: BMNH: 2 [2 - **2**] - 23 July 1916: Wood, Rodney C.: BMNH: 1, KU: 1 [2 - **2**] - 26 July 1916: Wood, Rodney C.: KU: 1 [1 - **1**] - 1 August 1916: Wood, Rodney C.: KU: 1 [1 - **1**] - 2 October 1916: Wood, Rodney C.: BMNH: 1 [1 - **1**] - 18 December 1916: Wood, Rodney C.: BMNH: 1 [1 - **1**] - 15 January 1917: Wood, Rodney C.: KU: 1 [1 - **1**] - 16 January 1917: Wood, Rodney C.: KU: 1 [1 - **1**] - 26 January 1917: Wood, Rodney C.: KU: 1 [1 - **1**] - 6 February 1917: Wood, Rodney C.: KU: 1 [1 - **1**] - 8 March 1917: Wood, Rodney C.: FMNH: 1 [1 - **1**] - 23 March 1917: Wood, Rodney C.: BMNH: 2 [2 - **2**] - 7 May 1918: Wood, Rodney C.: BMNH: 1 [1 - **1**] - 26 August 1918: Wood, Rodney C.: KU: 1 [1 - **1**] - 3 August 1919: Wood, Rodney C.: BMNH: 1 [1 - **1**] - 8 April 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **73**].

Chiromo, mount: 18 May 1916: Wood, Rodney C.: BMNH: 1 [1 - **1** - **1**].

Chitala River: 20 July 1948: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 13 December 1948: Loveridge, Arthur: MCZ: 26 [26 - **26**] - 14 December 1948: Loveridge, Arthur: MCZ: 10 [10 - **10**] - 16 December 1948: Loveridge, Arthur: MCZ: 1 [1 - **1** - **38**].

Chitale: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 22 December 1964: Williams, John George: ROM: 2 [2 - **2** - **3**].

Chitipa Township: 20 May 1989: Chimimba, Christian Timonthy: WAM: 5 [5 - **5**] - 7 May 1990: ?: Collector Unknown: TM: 1 [1 - **1** - **6**].

Cholo: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Wood, Rodney C.: BMNH: 1, KU: 1 [2 - **3** - **3**].

Cholo, mount: 27 September 1946: Anthony, Harold Elmer: AMNH: 2 [2 - **2**] - 18 March 1949: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 21 March 1949: Loveridge, Arthur: MCZ: 1 [1 - **1** - **4**].
Chongoni Forest Reserve: 18 September 2005: Malawi Mammal Expedition, The: FMNH: 5 [5 - **5**] - 20 September 2005: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **6**].
Ciwale Hill: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Dzalanyama Forest Reserve: 17 April 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 3 [3 - **3**] - 9 October 2005: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **4**].
Fort Hill [=Chitipa]: 1 July 1896: White, A.: BMNH: 1 [1 - **1** - **1**].
Fort Johnston: 25 April 1895: Rendall, Percy: BMNH: 1 [1 - **1**] - 28 April 1895: Rendall, Percy: BMNH: 1 [1 - **1** - **2**].
Fort Johnston [= Mangochi]: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2**] - 16 February 1949: Loveridge, Arthur: MCZ: 1 [1 - **1** - **3**].
Golden Sands Camp: 21 June 1989: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].
Ibanda: 23 May 1989: Chimimba, Christian Timonthy: WAM: 5 [5 - **5** - **5**].
Jailosi Nyondo Banana Plantation: 28 May 1989: Chimimba, Christian Timonthy: WAM: 5 [5 - **5** - **5**].
Kabango village banana plantation: 9 December 1988: Chimimba, Christian Timonthy: WAM: 3 [3 - **3** - **3**].
Kafikisira village: 5 May 1989: Chimimba, Christian Timonthy: WAM: 4 [4 - **4** - **4**].
Kalimbuka: 14 February 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 19 February 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **2**].
Kamisa Banana Plantation: 19 May 1989: Chimimba, Christian Timonthy: WAM: 7 [7 - **7**] - 19 June 1989: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **8**].
Kapalasa Farm: 10 September 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2**] - 19 September 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 26 September 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2**] - 14 October 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 23 October 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2**] - 27 October 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 5 December 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2**] - 12 December 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 21 December 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2**] - 30 December 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 7 February 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 10 February 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **17**].
Kapino dam: 7 February 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].
Karonga: Collection Date Unknown: ?: Collector Unknown: HZM: 2 [2]; Lamborn: BMNH: 2 [2 - **4**] - 1 January 1956: Oram, R.H.: HZM: 3 [3 - **3**] - 4 January 1956: Oram, R.H.: HZM: 1 [1 - **1**] - 24 June 1957: Oram, R.H.: HZM: 1 [1 - **1**] - 9 December 1957: Oram, R.H.: HZM: 2 [2 - **2**] - 24 May 1961: Hanney, Peter W.: NMMB: 9 [9]; Mumba, D.; Hanney, Peter W.: NMMB: 2 [2 - **11**] - 20 May 2005: ?: Collector Unknown: SMF: 3 [3 - **3**] - 21 May 2005: ?: Collector Unknown: SMF: 2 [2 - **2**] - 27 May 2005: ?: Collector Unknown: SMF: 4 [4 - **4** - **31**].
Karonga beach: 30 December 1990: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].
Karonga, 10 km W: 29 December 1989: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].
Kasungu: 21 August 1946: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].
Kasungu NP: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Kasungu-NP: 18 April 1985: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1**] - 20 April 1985: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1**] - 21 April 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **4**].
Kausi: 25 February 1949: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Kota Kota: Collection Date Unknown: ?: Collector Unknown: KM: 9 [9]; Ansell, William Frank Harding: AMNH: 2 [2]; Govt. Agent, Kota-Kota: NHMZ: 7 [7 - **18**] - 12 August 1945: Anthony, Harold Elmer: AMNH: 1 [1 - **1**] - 10 July 1946: Shortridge, Guy Chester: KM: 2 [2 - **2**] - 8 August 1946: Anthony, Harold Elmer: AMNH: 9 [9 - **9**] - 9 August 1946: Anthony, Harold Elmer: AMNH: 13 [13 - **13**] - 10 August 1946: Anthony, Harold Elmer: AMNH: 4 [4]; Shortridge, Guy Chester: KM: 1 [1 - **5**] - 11 August 1946: Anthony, Harold Elmer: AMNH: 9 [9 - **9**] - 12 August 1946: Anthony, Harold Elmer: AMNH: 9 [9 - **9**] - 13 August 1946: Anthony, Harold Elmer: AMNH: 9 [9 - **9**] - 14 August 1946: Anthony, Harold Elmer: AMNH: 6 [6 - **6**] - 15 August 1946: Anthony, Harold Elmer: AMNH: 1 [1 - **1**] - 16 August 1946: Anthony, Harold Elmer: AMNH: 2 [2 - **2**] - 17 August 1946: Anthony, Harold Elmer: AMNH: 10 [10]; Shortridge, Guy Chester: KM: 1 [1 - **11**] - 18 August 1946: Anthony, Harold Elmer: AMNH: 1 [1 - **1**] - 27 September 1946: Anthony, Harold Elmer: AMNH: 1 [1 - **1**] - 10 March 1964: Govt. Agent, Kota-Kota: BMNH: 46 [46 - **46** - **143**].
Kwitunji Camp: 15 February 2011: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Lake Kaulime: 8 July 2004: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].
Lengwe National Park: 19 December 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 15 January 1986: Chimimba, Christian Timonthy: WAM: 7 [7 - **7**] - 1 July 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **10**].
Lengwe National Park, near pool along link road, Tourist Camp, 3 km W: 10 June 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2**] - 2 July 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 3 July 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **4**].
Lifupa Camp: 8 January 1982: Jachmann, Hugo: ZMA: 2 [2 - **2**] - 9 January 1982: Jachmann, Hugo: ZMA: 1 [1 - **1**] - 19 January 1982: Jachmann, Hugo: ZMA: 1 [1 - **1**] - 20 January 1982: Jachmann, Hugo: ZMA: 1 [1 - **1**] - 22 January 1982: Jachmann, Hugo: ZMA: 1 [1 - **1**] - 18 May 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2**] - 19 May 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **10**].
Likablila Mission: Collection Date Unknown: Johnston, Harry H.: BMNH: 1 [1 - **1** - **1**].
Likabula: 26 June 1946: Anthony, Harold Elmer: AMNH: 3 [3 - **3**] - 2 July 1946: Anthony, Harold Elmer: AMNH: 4 [4 - **4** - **7**].
Likabula mission: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 1 [1 - **6**] - 23 May 1980: Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 2 [2 - **2**] - 20 May 1990: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 1 [1 - **4**] - 21 May 1990: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 4 [4 - **6**] - 22 May 1990: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 2 [2 - **5**] - 23 May 1990: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 2 [2 - **4** - **27**].
Likabula river: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1**] - 29 July 1948: Loveridge, Arthur: MCZ: 5 [5 - **5**] - 3 August 1948: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 7 August 1981: Harrison, David Lakin; Bates, Paul J.J.: HZM: 1 [1 - **1**] - 8 August 1984: Harrison, David Lakin; Bates, Paul J.J.: HZM: 1 [1 - **1**] - 11 November 2007: Patton, James L.: MVZ: 3 [3 - **3**] - 12 November 2007: Patton, James L.: MVZ: 3 [3 - **3**] - 13 November 2007: Patton, James L.: MVZ: 1 [1 - **1**] - 14 November 2007: Patton, James L.: MVZ: 1 [1 - **1**] - 15 November 2007: Patton, James L.: MVZ: 1 [1 - **1**] - 20 November 2007: Patton, James L.: MVZ: 1 [1 - **1** - **19**].

Likhubula Camp: 1 July 2006: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].
Likhubula Camp, 1.5 km E: 1 July 2006: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **1**].
Likwenu R: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Likwenu river: 23 August 1984: Harrison, David Lakin; Bates, Paul J.J.: HZM: 1 [1 - **1** - **1**].
Lilongwe: 22 February 1955: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Lilongwe, 50 km E on Salima road: 18 June 1905: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Lingadzi River Valley: 20 February 1982: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].
Lisanthu: 6 March 1982: Jachmann, Hugo: ZMA: 2 [2 - **2**] - 7 March 1982: Jachmann, Hugo: ZMA: 1 [1 - **1**] - 8 March 1982: Jachmann, Hugo: ZMA: 1 [1 - **1**] - 9 March 1982: Jachmann, Hugo: ZMA: 1 [1 - **1**] - 10 March 1982: Jachmann, Hugo: ZMA: 1 [1 - **1**] - 13 March 1982: Jachmann, Hugo: ZMA: 2 [2 - **2**] - 19 March 1982: Jachmann, Hugo: ZMA: 2 [2 - **2**] - 20 March 1982: Jachmann, Hugo: ZMA: 1 [1 - **1** - **11**].
Lisanthu, 15 mi [=24 km] NE: 21 February 1982: Jachmann, Hugo: ZMA: 1 [1 - **1**] - 22 February 1982: Jachmann, Hugo: ZMA: 1 [1 - **1** - **2**].
Livingstonia: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, NHMZ: 1 [2 - **2** - **2**].
Livingstonia Beach: 6 July 1989: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].
Liwonde: 18 October 1961: Owen, C.R.: NMMB: 1 [1 - **1**] - 1 July 1989: Chimimba, Christian Timonthy: WAM: 1 [1 - **1**] - 2 July 1989: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **3**].
Liwonde National Park: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 12 November 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 13 November 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 11 December 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 12 December 1984: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1**] - 5 February 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 7 April 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 5 June 1985: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 8 December 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 15 February 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2**] - 4 May 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 6 May 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **13**].
Liwonde National Park, Headquaters: 17 May 1990: ?: Collector Unknown: TM: 3 [3 - **3**] - 18 May 1990: ?: Collector Unknown: TM: 2 [2 - **2** - **5**].
Lujeri Tea Estate: 4 August 2004: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6**] - 5 August 2004: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4**] - 7 August 2004: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 10 July 2006: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **12**].
Lumenda: 15 January 1986: Chimimba, Christian Timonthy: WAM: 6 [6 - **6** - **6**].
Lumenda Village: 15 January 1986: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **1**].
Luwawa dam: 11 February 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 11 May 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 6 [6 - **6**] - 12 May 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **8**].
Luzi banana plantation: 3 June 1989: Chimimba, Christian Timonthy: WAM: 8 [8 - **8**] - 6 June 1989: Chimimba, Christian Timonthy: WAM: 4 [4 - **4** - **12**].
MacLear, cape: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1]; Robbins, Lynn W.: CM: 3 [3 - **4**] - 30 May 1975: Robbins, Lynn W.: CM: 2 [2 - **2** - **6**].
Madzeka hut: 1 February 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Malema: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Malema: 4 August 1996: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 5 August 1996: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Malosa: 1 September 1988: Van Strien, Nico J.: ZMA: 4 [4 - **4**] - 31 December 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 14 February 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **6**].
Mandala: Collection Date Unknown: Hanney, Peter W.: NMMB: 2 [2 - **2**] - 13 October 1961: Imray: NMMB: 1 [1 - **1**] - 13 October 1963: Vunja, M.: NMMB: 2 [2 - **2** - **5**].
Mangochi Mountain: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Manyowa Hill, Mitsidi: 6 April 1961: Zalira, Dayes: NMMB: 2 [2 - **2** - **2**].
Matipa-Wilindi Ridge: 25 September 1948: Loveridge, Arthur: MCZ: 6 [6 - **6** - **6**].
Mbalame Mountain: 6 April 1990: Van Strien, Nico J.: ZMA: 4 [4 - **4** - **4**].
Mbirima banana plantation: 25 May 1989: Chimimba, Christian Timonthy: WAM: 1 [1 - **1**] - 28 May 1989: Chimimba, Christian Timonthy: WAM: 7 [7 - **7**] - 30 May 1989: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **9**].
Misuku-Mughese Mission: 19 November 1970: Wilson, W.J.: NHMZ: 1 [1 - **1**] - 21 June 1990: Van Strien, Nico J.: ZMA: 11 [11 - **11**] - 22 June 1990: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 23 June 1990: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **15**].
Mitondo [= Mtondo]: 12 August 1917: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Mlanje: 9 February 1912: Eton East African Research Committee, The; Neave, S.A.: BMNH: 1 [1 - **1**] - 1 April 1949: Loveridge, Arthur: MCZ: 2 [2 - **2** - **3**].
Mondwe Valley: 13 April 1997: : SMF: 1 [1 - **1** - **1**].
Monkey Bay: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - 13 August 1961: Eccles, D.J.: NMMB: 2 [2 - **2** - **4**].
Monkey Bay, 4-5 km from: 10 July 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 25 December 1988: Van Strien, Nico J.: ZMA: 8 [8 - **8** - **9**].
Mount Malosa: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Mpalanganga Dam: 16 September 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].
Mpherere Mission: 2 March 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
Mpyupyu Prison Farm: 20 October 1987: Van Strien, Nico J.: ZMA: 3 [3 - **3**] - 21 October 1987: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **6**].
Mughese Forest: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - 10 June 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 11 June 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 15 June 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 17 June 2007: Demos, Terrence C.: FMNH: 1 [1 - **1** - **7**].
Mulanje: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : KM: 3 [3 - **4**] - 26 June 1946: Shortridge, Guy Chester: KM: 1 [1 - **1** - **5**].
Mulanje and Blantyre, road between: 1 June 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mulanje Mountain Conservation Trust: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mulanje Plateau: 18 December 1891: Whyte, Alex: BMNH: 1 [1 - **1** - **1**].

Mulanje, Chipoka village: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Mulanje-Chitakali: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Mulunguzi Road, 10: 8 September 1987: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 10 September 1987: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 8 December 1987: Van Strien, Nico J.: ZMA: 4 [4 - **4**] - 11 December 1987: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 10 January 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 22 January 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2**] - 23 January 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 25 January 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 12 March 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 18 March 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 14 May 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 4 June 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 5 October 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 27 October 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 6 November 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 25 November 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2**] - 30 November 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 6 December 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 7 December 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 11 December 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 13 December 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 15 December 1988: Van Strien, Nico J.: ZMA: 4 [4 - **4**] - 9 February 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 10 February 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 22 February 1989: Van Strien, Nico J.: ZMA: 2 [2 - **2**] - 23 March 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 24 March 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 25 March 1989: Van Strien, Nico J.: ZMA: 2 [2 - **2**] - 5 November 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 21 November 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 17 December 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 21 January 1990: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **42**].
Mulunguzi-dam: 15 June 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 30 December 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **3**].
Muona Mission: 1 March 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
Mvu Camp: 24 October 1987: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].
Mwabvi Rest Camp: 11 October 1983: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].
Mwakalukwa banana plantation: 30 May 1989: Chimimba, Christian Timonthy: WAM: 6 [6 - **6** - **6**].
Mwalingo: 16 June 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 17 June 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 21 June 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 23 June 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 27 June 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 30 June 2007: Demos, Terrence C.: FMNH: 11 [11 - **11**] - 1 July 2007: Demos, Terrence C.: FMNH: 5 [5 - **5**] - 5 July 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 7 July 2007: Demos, Terrence C.: FMNH: 3 [3 - **3**] - 8 July 2007: Demos, Terrence C.: FMNH: 2 [2 - **2**] - 10 July 2007: Demos, Terrence C.: FMNH: 1 [1 - **1** - **28**].
Mwamyesya banana plantation: 12 May 1989: Chimimba, Christian Timonthy: WAM: 9 [9 - **9** - **9**].
Mwandwanga banana plantation: 7 May 1989: Chimimba, Christian Timonthy: WAM: 9 [9 - **9** - **9**].
Mwaya: 18 September 1949: Milton: BMNH: 1 [1 - **1** - **1**].
Mwenekapoka banana plantation: 21 May 1989: Chimimba, Christian Timonthy: WAM: 4 [4 - **4**] - 24 May 1989: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **5**].
Mwenyama village: 1 December 1988: Chimimba, Christian Timonthy: WAM: 1 [1 - **1**] - 3 December 1988: Chimimba, Christian Timonthy: WAM: 7 [7 - **7** - **8**].
Mzokoto banana plantation: 3 June 1989: Chimimba, Christian Timonthy: WAM: 8 [8 - **8** - **8**].
Namazo Bay: 30 October 1987: Van Strien, Nico J.: ZMA: 3 [3 - **3**] - 31 October 1987: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 4 March 1988: Van Strien, Nico J.: ZMA: 3 [3 - **3**] - 8 April 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 9 April 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 4 August 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 24 December 1988: Van Strien, Nico J.: ZMA: 3 [3 - **3**] - 26 December 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **15**].
Namizimu Forest Reserve: 16 February 2011: ?: Collector Unknown: FMNH: 4 [4 - **4** - **4**].
Nchalo: Collection Date Unknown: Hammer: HZM: 2 [2 - **2** - **2**].
Ncheu [=Ntcheu]: Collection Date Unknown: : TM: 1 [1 - **1**] - 11 July 1939: Benson, Constantine ("Con") Walter: TM: 1 [1 - **1**] - 15 August 1939: ?: Collector Unknown: TM: 1 [1 - **1**] - 25 August 1939: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 15 September 1939: Benson, Constantine ("Con") Walter: TM: 1 [1 - **1**] - 16 September 1939: Benson, Constantine ("Con") Walter: TM: 1 [1 - **1**] - 20 September 1939: Benson: TM: 1 [1 - **1**] - 21 September 1939: ?: Collector Unknown: TM: 1 [1]; Benson, Constantine ("Con") Walter: TM: 2 [2 - **3**] - 27 September 1939: ?: Collector Unknown: TM: 1 [1 - **1**] - 26 October 1939: ?: Collector Unknown: TM: 2 [2]; Benson: TM: 1 [1]; Benson, Constantine ("Con") Walter: TM: 1 [1 - **4**] - 31 October 1939: Benson, Constantine ("Con") Walter: TM: 1 [1 - **1**] - 8 November 1939: Benson, Constantine ("Con") Walter: TM: 1 [1 - **1**] - 22 November 1939: ?: Collector Unknown: TM: 1 [1 - **1** - **18**].
Nkhata Bay: 25 October 1989: Van Strien, Nico J.: ZMA: 2 [2 - **2**] - 24 December 1989: Van Strien, Nico J.: BDUMZ: 1, ZMA: 2 [3 - **3**] - 25 December 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **6**].
Nkhota Bay: 23 December 1989: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **2**].
Nkhotakota: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2]; : KM: 5 [5 - **7**] - 9 November 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 3 [3 - **3**] - 10 November 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **11**].
Nkhota-Kota: Collection Date Unknown: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 8 August 1946: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 12 August 1946: Shortridge, Guy Chester: KM: 2 [2 - **2**] - 15 August 1946: Shortridge, Guy Chester: KM: 2 [2 - **2** - **6**].
Nsanje: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1]; : KM: 3 [3 - **4**] - 1 December 1967: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 20 December 1968: Irwin, R.J.: KU: 2 [2 - **2**] - 21 December 1968: Irwin, R.J.: KU: 1 [1 - **1**] - 14 October 1969: Irwin, R.J.: KU: 20 [20 - **20** - **28**].
Ntcheu: 11 December 1988: Chimimba, Christian Timonthy: WAM: 2 [2 - **2** - **2**].
Ntchisi Forest guesthouse: 23 December 1987: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 24 December 1987: Van Strien, Nico J.: ZMA: 2 [2 - **2**] - 20 May 1988: Van Strien, Nico J.: ZMA: 2 [2 - **2** - **5**].
Ntchisi Forest Reserve: 2 November 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 3 November 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 8 [8 - **8**] - 4 November 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 24 September 2005: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1**] - 25 September 2005: Malawi Mammal Expedition, The: FMNH: 8 [8 - **8**] - 27 September 2005: Malawi Mammal Expedition, The: FMNH: 7 [7 - **7**] - 28 September 2005: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1**] - 29 September 2005: Malawi Mammal Expedition, The: FMNH: 3 [3 - **3**] - 30 September 2005: Malawi Mammal Expedition, The: FMNH: 9 [9 - **9**] - 1 October 2005: Malawi Mammal Expedition, The: FMNH: 3 [3 - **3**] - 2 October 2005: Malawi Mammal Expedition, The: FMNH: 2 [2 - **2**] - 3 October 2005: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1**] - 4 October 2005: Malawi Mammal Expedition, The: FMNH: 3 [3 - **3**] - 5 October 2005: Malawi Mammal Expedition, The: FMNH: 4 [4 - **4**] - 6 October 2005: Malawi Mammal Expedition, The: FMNH: 8 [8 - **8**] - 10 October 2007: Patton, James L.: MVZ: 1 [1 - **1**] - 25 October 2007: Patton, James L.: MVZ: 5 [5 - **5**] - 26 October 2007: Patton, James L.: MVZ: 3 [3 - **3**] - 27 October

2007: Patton, James L.: MVZ: 4 [4 - **4**] - 28 October 2007: Patton, James L.: MVZ: 1 [1 - **1**] - 29 October 2007: Patton, James L.: MVZ: 25 [25 - **25**] - 30 October 2007: Patton, James L.: MVZ: 3 [3 - **3**] - 31 October 2007: Patton, James L.: MVZ: 5 [5 - **5**] - 1 November 2007: Patton, James L.: MVZ: 1 [1 - **1**] - 2 November 2007: Patton, James L.: MVZ: 2 [2 - **2**] - 8 July 2008: Šklíba, Jan: NMP: 1 [1 - **1**] - 9 July 2008: Šklíba, Jan: NMP: 2 [2 - **2** - **113**].

Ntchisi Forestry Resthouse: 23 December 1987: Van Strien, Nico J.: ZMA: 3 [3 - **3** - **3**].

Ntchisi, mount: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Nyasa: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].

Nyika-Jallawe valley: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].

Nyika-NP: 29 April 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **1**].

Port Herald: 4 July 1910: Harger: BMNH: 1 [1 - **1** - **1**].

Rumphi: 6 June 1989: Chimimba, Christian Timonthy: WAM: 1 [1 - **1** - **1**].

Rwosho River: 10 August 1996: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Salima-Senga Bay: 7 July 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Shire river, upper: 14 June 1895: Rendall, Percy: SMTD: 1 [1 - **1**] - 5 September 1895: Rendall, Percy: BMNH: 1 [1 - **1** - **2**].

Somba: Collection Date Unknown: Johnston, Harry H.: HNHM: 1 [1 - **1** - **1**].

Sucoma: 15 January 1986: Chimimba, Christian Timonthy: WAM: 4 [4 - **4** - **4**].

Sunnyside: 9 September 1961: Richardson, C.E.: NMMB: 1 [1 - **1** - **1**].

Tembuka: 15 February 1949: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 16 February 1949: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 18 February 1949: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 25 February 1949: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 28 February 1949: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 1 March 1949: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 3 March 1949: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 4 March 1949: Loveridge, Arthur: MCZ: 2 [2 - **2** - **10**].

Thondwe: Collection Date Unknown: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1**] - 22 January 1985: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1**] - 16 September 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2** - **4**].

Thyolo: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : KM: 1 [1]; Wood, Rodney C.: CM: 1 [1 - **3**] - 28 January 1920: Wood, Rodney C.: FMNH: 1 [1 - **1** - **4**].

Thyolo, mount: 22 March 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 6 [6 - **6**] - 31 March 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1** - **7**].

Tinyade Estate: 18 June 2006: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1**] - 19 June 2006: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **2**].

Trout Ponds: 20 March 1985: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 2 [2 - **2**] - 21 March 1985: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1** - **3**].

Ufudu Village: 6 July 1952: Carr, Archie Fairly: AMNH: 1 [1 - **1** - **1**].

Upper Shire River: 28 June 1895: Rendall, Percy: FMNH: 1 [1 - **1** - **1**].

Viphya Plateau: Collection Date Unknown: ?: Collector Unknown: DCDH: 1 [1 - **1** - **1**].

Vitanda: 4 March 1982: Jachmann, Hugo: ZMA: 1 [1 - **1** - **1**].

Vwaza Marsh Game Park: 27 December 1989: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Wilindi Forest: Collection Date Unknown: ?: Collector Unknown: NMZL: 3 [3]; Dowsett, Robert Jack: NMZL: 4 [4 - **7**] - 2 July 2007: Demos, Terrence C.: FMNH: 2 [2 - **2**] - 5 July 2007: Demos, Terrence C.: FMNH: 1 [1 - **1**] - 9 July 2007: Demos, Terrence C.: FMNH: 2 [2 - **2** - **12**].

Zambezi River, left bank: 18 June 1905: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Zoa Estate: Collection Date Unknown: ?: Collector Unknown: NMMB: 1 [1 - **1** - **1**].

Zoa Tea Estate: Collection Date Unknown: Morris, B.: NMMB: 3 [3 - **3** - **3**].

Zomba: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; : BMNH: 1 [1]; Johnston, Harry H.: BMNH: 1 [1 - **4**] - 1 January 1893: Whyte, Alex: BMNH: 1 [1 - **1**] - 1 June 1946: Anthony, Harold Elmer: AMNH: 25 [25 - **25**] - 13 June 1987: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 16 June 1987: Van Strien, Nico J.: ZMA: 1 [1 - **1**] - 24 February 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **33**].

Zomba Plateau: Collection Date Unknown: ?: Collector Unknown: KM: 6 [6]; : KM: 3 [3 - **9**] - 10 December 1891: Johnston, Harry H.: BMNH: 1 [1 - **1**] - 12 August 1945: Anthony, Harold Elmer: AMNH: 1 [1 - **1**] - 7 June 1946: Anthony, Harold Elmer: AMNH: 20 [20 - **20**] - 8 June 1946: Anthony, Harold Elmer: AMNH: 6 [6 - **6**] - 9 June 1946: Anthony, Harold Elmer: AMNH: 4 [4 - **4**] - 3 September 1948: Loveridge, Arthur: MCZ: 6 [6 - **6**] - 23 February 1985: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 18 March 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 20 March 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 3 [3 - **3**] - 21 March 1985: ?: Collector Unknown: BMNH: 1 [1]; Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **3**] - 24 March 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2**] - 21 September 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2**] - 19 January 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 4 [4 - **4**] - 22 January 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 7 [7 - **7**] - 11 May 1994: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 5 [5 - **5** - **75**].

Zomba plateau, foot of: 29 December 1988: Van Strien, Nico J.: ZMA: 1 [1 - **1** - **1**].

Zomba town: Collection Date Unknown: Johnston, Harry H.: BMNH: 1 [1]; Lennon: BMNH: 1 [1 - **2**] - 1 February 1892: Johnston, Harry H.: BMNH: 1 [1 - **1**] - 6 October 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 9 October 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 7 [7 - **7**] - 14 October 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 20 October 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 8 [8 - **8**] - 31 October 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 4 November 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 7 November 1984: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1**] - 16 November 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 17 November 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 7 December 1984: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1, DCDH: 1 [2 - **2**] - 9 December 1984: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 10 December 1984: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 2 [2 - **2**] - 27 December 1984: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 2, DCDH: 2 [4 - **4**] - 30 December 1984: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1, DCDH: 2 [3 - **3**] - 31 December 1984: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1**] - 1 January 1985: Happold, David C.D.; Happold, Meridith [=Meri]: BMNH: 1 [1 - **1**] - 25 January 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 2 March 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2**] - 26 March 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 11 May 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 1 [1 - **1**] - 1 June 1985: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 2 [2 - **2**] - 25 September 1993: Happold, David C.D.; Happold, Meridith [=Meri]: DCDH: 7 [7 - **7** - **53**].

Zovo Chipolo Forest: 7 July 2004: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1**] - 10 July 2004: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1**] - 14 July 2004: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1**] - 15 July 2004: Malawi Mammal Expedition, The: FMNH: 1 [1 - **1** - **4**].

Total Specimens for Malawi: 1568

Mali

Unknown locality: Collection Date Unknown: MNHN: 4, SMF: 2 [6 - **6**] - 15 May 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 16 May 2001: ?: Collector Unknown: SMF: 3 [3 - **3** - **11**].
Adrar: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Adrar des Iforas: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Badalabougou: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 February 1994: ?: Collector Unknown: MNHN: 31 [31 - **31** - **32**].
Badalabougou quarter: 1 February 1994: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].
Ballassientu: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Bamako: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; Malzy, P.: MNHN: 7 [7]; Rode, Paul: MNHN: 10 [10 - **19**] - 24 March 1934: Wonder, Frank C.: FMNH: 1 [1 - **1**] - 1 February 1936: Rode, Paul: MNHN: 5 [5 - **5**] - 28 February 1996: ?: Collector Unknown: MNHN: 1 [1 - **1** - **26**].
Bamako, 7 km E: 7 April 1934: Wonder, Frank C.: MCZ: 1 [1 - **1** - **1**].
Bourem: 6 January 1928: Monod, Th.: MNHN: 1 [1 - **1** - **1**].
Bourèm: 1 June 1928: Mission Saharienne, La: AMNH: 1 [1 - **1** - **1**].
Dialagou: Collection Date Unknown: ?: Collector Unknown: MNHN: 14 [14 - **14** - **14**].
Djenné: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Dogon country: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Falea: 25 July 2012: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 July 2012: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 1 November 2012: ?: Collector Unknown: DNSM: 5 [5 - **5** - **9**].
Ibdekène valley: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Mandingues mountains Reserve: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Ménaka: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Mopti: 21 May 1927: Madsen, Harry: FMNH: 1 [1 - **1**] - 24 May 1927: Madsen, Harry: FMNH: 1 [1 - **1**] - 1 September 1969: Matthes: RMCA: 2 [2 - **2** - **4**].
Mopti region: 11 March 2001: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Moribabougou: 6 April 1934: Wonder, Frank C.: FMNH: 1 [1 - **1** - **1**].
Niono: 1 May 1991: van Woersem, I.: ZMA: 1 [1 - **1** - **1**].
Samaya: Collection Date Unknown: ?: Collector Unknown: MNHN: 11 [11 - **11**] - 1 February 1994: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 12 February 1994: Tranier, Michel; *et al.*: MNHN: 1 [1 - **1**] - 28 February 1996: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 2 March 1996: ?: Collector Unknown: MNHN: 2 [2 - **2** - **20**].
Selangor: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].
Sélingué: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Sotuba: 21 March 1934: Wonder, Frank C.: FMNH: 3 [3 - **3**] - 24 March 1934: Wonder, Frank C.: FMNH: 1 [1 - **1**] - 25 March 1934: Wonder, Frank C.: FMNH: 2 [2 - **2**] - 27 March 1934: Wonder, Frank C.: FMNH: 7 [7 - **7**] - 28 March 1934: Wonder, Frank C.: FMNH: 15 [15 - **15**] - 30 March 1934: Wonder, Frank C.: FMNH: 1 [1 - **1**] - 5 April 1934: Wonder, Frank C.: FMNH: 3 [3 - **3**] - 6 April 1934: Wonder, Frank C.: FMNH: 22 [22 - **22**] - 7 April 1934: Wonder, Frank C.: FMNH: 8 [8 - **8**] - 8 April 1934: Wonder, Frank C.: FMNH: 4 [4 - **4**] - 11 April 1934: Wonder, Frank C.: FMNH: 11 [11 - **11**] - 12 April 1934: Strauss; West Africa Expedition, the: FMNH: 1 [1]; Wonder, Frank C.: FMNH: 16 [16 - **17**] - 13 April 1934: Wonder, Frank C.: FMNH: 4 [4 - **4** - **98**].
Ticufales or Tieufola cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].
Timbuktu: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 6 June 1927: Madsen, Harry: FMNH: 2 [2 - **2**] - 9 June 1927: Madsen, Harry: ZMUC: 8 [8 - **8** - **11**].
Toguere-Koumbé: 1 March 1979: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Mali: 275

Malta

Malta: Collection Date Unknown: BMNH: 1 [1 - **1** - **1**].

Total Specimens for Malta: 1

Mauritania

Unknown locality: Collection Date Unknown: MNHN: 2 [2 - **2** - **2**].
Akjoujt: 18 November 1966: Harvey, D.E.: USNM: 15 [15 - **15**] - 21 November 1966: Harvey, D.E.: USNM: 3 [3 - **3**] - 22 November 1966: Harvey, D.E.: USNM: 2 [2 - **2** - **20**].
Aleg post office: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Aleg, 3 km S: 12 May 1967: Robbins, C. Brian: USNM: 2 [2 - **2**] - 16 May 1967: Harvey, D.E.: USNM: 20 [20]; Robbins, C. Brian: USNM: 25 [25 - **45**] - 16 May 1971: Robbins, C. Brian: USNM: 1 [1 - **1** - **48**].
Atar: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Bat cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Boghé, 8 km N: 6 May 1967: Harvey, D.E.: USNM: 1 [1 - **1**] - 8 May 1967: Robbins, C. Brian: USNM: 1 [1 - **1** - **2**].
Boutilimit: Collection Date Unknown: ?: Collector Unknown: MNHN: 38 [38 - **38** - **38**].
Dar-el-Salam: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Garak: 16 April 1967: Robbins, C. Brian: USNM: 177 [177 - **177**] - 18 April 1967: Harvey, D.E.: USNM: 1 [1 - **1**] - 1 May 1967: Harvey, D.E.: USNM: 3 [3]; Robbins, C. Brian: USNM: 2 [2 - **5**] - 2 May 1967: Robbins, C. Brian: USNM: 1 [1 - **1** - **184**].

Guelb Moghrein: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kaédi, W edge: 13 October 2010: Benda, Petr; Reiter, Antonin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].
Magrein Copper Mine: 18 November 1966: Harvey, D.E.: USNM: 41 [41 - **41**] - 21 November 1966: Harvey, D.E.: USNM: 17 [17 - **17**] - 22 November 1966: Harvey, D.E.: USNM: 2 [2 - **2** - **60**].
Ma?moûdé, lake: Collection Date Unknown: ?: Collector Unknown: EBD: 3 [3 - **3** - **3**].
Mauritanian Sahara: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Moudjéria fortress: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Nouakchott: 20 September 1995: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Passe de Soufa: 30 May 1967: Harvey, D.E.: USNM: 2 [2 - **2** - **2**].
Rosso: 12 April 1967: Harvey, D.E.: USNM: 1 [1 - **1**] - 28 April 1967: Harvey, D.E.: USNM: 53 [53]; Robbins, C. Brian: USNM: 50 [50 - **103** - **104**].
Terjit: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 30 April 2002: ?: Collector Unknown: EBD: 1 [1 - **1** - **4**].
Tiguent: 12 April 1967: Harvey, D.E.: USNM: 2 [2 - **2**] - 13 April 1967: Robbins, C. Brian: USNM: 2 [2 - **2** - **4**].
Touareg Sahara: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Mauritania: 485

Mauritius

Unknown locality: Collection Date Unknown: AMNH: 19, BMNH: 7, MNHN: 7, RMNH: 1, SMF: 1, USNM: 2, WAM: 1, ZMB: 4 [42]; : RMNH: 2 [2]; Desjardins, M.: MNHN: 1 [1]; Deyrolle, P.: MNHN: 1 [1]; Gere, C.: MNHN: 1 [1]; Mason, G.E.: ZMB: 1 [1]; Möbius: ZMB: 2 [2]; Newton, E.: BMNH: 1 [1]; Pike, Nicolas: MCZ: 3 [3]; Robillard: ZMB: 1 [1]; Schneider: ZMB: 2 [2]; Schneider, G.: RMNH: 2 [2]; Sieber: ZMB: 1 [1]; Slater, Henry H.: BMNH: 1 [1]; Ward, Henry Augustus: MCZ: 1 [1]; Ward's Natural Sciences Estabishment, The: FMNH: 1 [1]; Whitely, H.: BMNH: 1 [1 - **64**] - 1 January 1827: : SMF: 2 [2 - **2**] - 23 July 1984: d'Unienville, Marc: AMNH: 1 [1 - **1**] - 7 August 1993: ?: Collector Unknown: AMNH: 1 [1 - **1**] - 1 February 1994: ?: Collector Unknown: SMF: 4 [4 - **4**] - 4 July 1994: ?: Collector Unknown: AMNH: 1 [1 - **1**] - 12 July 1994: ?: Collector Unknown: AMNH: 1 [1 - **1**] - 1 April 2000: ?: Collector Unknown: ZMA: 1 [1 - **1** - **75**].
Camp Thorel cave: Collection Date Unknown: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 11 February 2005: Goodman, Steven M.; Atkinson, R.: FMNH: 25 [25 - **25**] - 1 January 2012: ?: Collector Unknown: FMNH: 11 [11 - **11** - **37**].
Cascade river: Collection Date Unknown: : ZMA: 1 [1]; Durrell, G.: ZMA: 1 [1 - **2**] - 27 April 1976: Lammers, R.: SMF: 1 [1 - **1**] - 20 September 1978: : BMNH: 1 [1 - **1**] - 28 September 1978: : BMNH: 1 [1 - **1** - **5**].
Cascavelle: 26 November 2012: ?: Collector Unknown: FMNH: 12 [12 - **12**] - 29 November 2012: ?: Collector Unknown: FMNH: 6 [6 - **6** - **18**].
Caverne Trois Bras: 11 June 2005: Goodman, Steven M.; Florens, V.: FMNH: 19 [19 - **19**] - 1 January 2012: ?: Collector Unknown: FMNH: 17 [17 - **17** - **36**].
Fayence Mountain: 28 November 2012: ?: Collector Unknown: FMNH: 17 [17 - **17** - **17**].
Kanaka Bat Cave: 11 January 2005: Goodman, Steven M.; Florens, V.: FMNH: 23 [23 - **23** - **23**].
Le Reduit, ravines: Collection Date Unknown: : BMNH: 3 [3 - **3** - **3**].
Majastre: Collection Date Unknown: Carie, P.: MNHN: 2 [2 - **2** - **2**].
Mare au Songes: 1 January 1876: : ZMA: 1 [1 - **1** - **1**].
Mascarene Islands: Collection Date Unknown: ?: Collector Unknown: MNHN: 9 [9 - **9** - **9**].
Palma cave: Collection Date Unknown: ?: Collector Unknown: FMNH: 5 [5 - **5**] - 29 October 2006: Goodman, Steven M.; Florens, V.: FMNH: 22 [22 - **22**] - 1 January 2012: ?: Collector Unknown: FMNH: 3 [3 - **3** - **30**].
Petite Case Royale: 26 November 2012: ?: Collector Unknown: FMNH: 6 [6 - **6**] - 27 November 2012: ?: Collector Unknown: FMNH: 4 [4 - **4** - **10**].
Port Louis: Collection Date Unknown: : MNHN: 1 [1 - **1** - **1**].
Riche en Eau: 27 November 2012: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Rodrigues: Collection Date Unknown: Bellairs, H. A.: RMNH: 2 [2]; Gulliver, J.: BMNH: 3 [3]; Mason, G.E.: BMNH: 2 [2]; Pickering, F.E.: BMNH: 2 [2]; Slater, Henry H.: BMNH: 2 [2 - **11**] - 6 June 1983: : ZMA: 1 [1 - **1** - **12**].
Rodrigues Island: Collection Date Unknown: Gulliver, J.: BMNH: 1, SMF: 1 [2 - **2**] - 1 February 1991: ?: Collector Unknown: NMR: 1 [1 - **1** - **3**].
Rose Hill: 4 November 1949: Onon, M.A.: BMNH: 1 [1 - **1** - **1**].
Round island [Rond Islet, Ronde Ile], La Ronde: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Senneville: Collection Date Unknown: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].
Trois Bras cave: Collection Date Unknown: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Twilight Cave: 11 June 2005: Goodman, Steven M.; Florens, V.: FMNH: 23 [23 - **23** - **23**].

Total Specimens for Mauritius: 312

Mayotte

Bouyouni: 1 March 2007: FMNH: 2 [2 - **2** - **2**].
Coconi: 27 February 2007: : FMNH: 5 [5]; Goodman, Steven M.: FMNH: 6 [6 - **11** - **11**].
Longoni: 1 March 2007: Goodman, Steven M.: FMNH: 1 [1 - **1** - **1**].
Mayotte: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; : RMNH: 2 [2]; Clark, K.M.: AMNH: 5 [5]; Humblot, Léon: MNHN: 6 [6]; Pollen, F.: RMNH: 1, ZMB: 2 [3 - **18**] - 1 January 1906: Nicoll, Michael John: SMF: 1 [1 - **1** - **19**].
Poroani: 27 February 2007: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 1 March 2007: : FMNH: 2 [2]; Goodman, Steven M.: FMNH: 5 [5 - **7** - **8**].

Total Specimens for Mayotte: 41

Morocco

Unknown locality: Collection Date Unknown: BMNH: 17, MHNG: 1, MNHN: 1, SMF: 2 [21]; Albaceta, Rosa: EBD: 2 [2]; Louette, Michel: RMCA: 11 [11]; Thewys, G.: RMNH: 2 [2 - **36**] - 1 January 1912: de la Escalera, D. Manuel M.: USNM: 2 [2 - **2**] - 20 July 1914: Pallary, Paul: MCZ: 6 [6 - **6**] - 12 October 1968: ?: Collector Unknown: SMF: 10 [10 - **10**] - 1 January 1975: Dachsel, M.: SMF: 1 [1 - **1** - **55**].
Afnourir, lake: 2 May 2000: Juste, Javier; Quetglas, Juan; Ibáñez Uargui, Carlos J.; Garrido, H.: EBD: 2 [2 - **2**] - 14 June 2002: ?: Collector Unknown: EBD: 1 [1 - **1** - **3**].
Agadir, 30 km NW: Collection Date Unknown: : EBD: 1 [1 - **1** - **1**].
Ain Chkef, Junto camping: 16 July 1986: Manzaranes, A.: EBD: 65 [65 - **65** - **65**].
Ain Leuh: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Akka: 25 January 1973: Petiniot; Verheyen, Walter N.: RMCA: 42 [42 - **42** - **42**].
Al Hoceima: 30 May 1970: Hearst, M.G.: USNM: 45 [45]; Robbins, Lynn W.: USNM: 43 [43 - **88** - **88**].
Al Hoceima, 9 km SE: 28 May 1970: Hearst, M.G.: USNM: 3 [3]; Robbins, Lynn W.: USNM: 3 [3 - **6** - **6**].
Anagam, 5 km NW: 31 August 2003: Benda, Petr: NMP: 4 [4 - **4** - **4**].
Anoual: 2 July 1970: Hearst, M.G.: USNM: 2 [2]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **3**].
Aoufouss: 19 April 1985: Arlettaz, Raphaël: MHNG: 1 [1 - **1** - **1**].
Asni, 2 km N: 20 October 1969: Robbins, Lynn W.: USNM: 1 [1 - **1** - **1**].
Assa: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 5 November 1969: Hearst, M.G.: USNM: 11 [11]; Robbins, Lynn W.: USNM: 10 [10]; Schlitter, Duane Albert: USNM: 8 [8]; Setzer, Henry W.: USNM: 11 [11]; Vaden, R.E.: USNM: 9 [9 - **49** - **51**].
Azigza cave: 26 April 2008: Benda, Petr: NMP: 10 [10 - **10** - **10**].
Azrou: 13 July 2002: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].
Bab Bou Idir: 14 June 1987: De la Riva, I.; Expedition 8/87, The: EBD: 3 [3 - **3** - **3**].
Bekrite: 28 August 2003: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 1 [1 - **1**] - 27 April 2008: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 2 [2 - **2**] - 28 April 2008: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 7 [7 - **7** - **10**].
Berkane: Collection Date Unknown: ?: Collector Unknown: MNHN: 3, NMP: 2 [5 - **5**] - 1 January 1953: Brosset, André: MNHN: 1 [1 - **1**] - 1 January 1957: Brosset, André: MNHN: 1 [1 - **1** - **7**].
Bir Regaga, Kef Aïssa: 11 July 2002: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].
Bou Akden mine: 9 May 1997: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 2 [2 - **2** - **2**].
Bou Izakarne: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Boudman: 11 August 1986: Peña, Jesus; Jiménez, Antonio: EBD: 1 [1 - **1** - **1**].
Camel cave, valley: 16 June 1987: De la Riva, I.; Expedition 8/87, The: EBD: 48 [48 - **48**] - 17 June 1987: De la Riva, I.; Expedition 8/87, The: EBD: 1 [1 - **1** - **49**].
Chaouèn: 5 June 1986: Carballo, Celso; Peña, Jesus; Moya: EBD: 2 [2 - **2** - **2**].
Chechaouen: 21 May 1970: Hearst, M.G.: USNM: 22 [22]; Robbins, Lynn W.: USNM: 19 [19 - **41**] - 24 May 1970: Robbins, Lynn W.: USNM: 1 [1 - **1**] - 25 May 1970: Hearst, M.G.: USNM: 5 [5 - **5** - **47**].
Chechaouèn: 5 June 1986: Carballo, Celso; Peña, Jesus; Moya: EBD: 2 [2 - **2** - **2**].
Chichaoua: Collection Date Unknown: Vaden, R.E.: USNM: 7 [7 - **7** - **7**].
Chichaoua, 20 km S: 13 April 1970: Vaden, R.E.: USNM: 23 [23 - **23** - **23**].
Dcheira: 31 January 1975: Kock, Dieter: SMF: 3 [3 - **3** - **3**].
Defilia Oasis: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Derdara: 2 October 2010: Benda, Petr; Reiter, Antonin; Ševcík, Martin; Uhrin, Marcel: NMP: 1 [1 - **1** - **1**].
Djebel Moussa, Great Cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].
Duea Seglaon: 12 August 1986: Peña, Jesus; Jiménez, Antonio: EBD: 2 [2 - **2**] - 13 August 1986: Peña, Jesus; Jiménez, Antonio: EBD: 2 [2 - **2** - **4**].
Essaouira [= Mogador]: Collection Date Unknown: ?: Collector Unknown: MCZ: 6, MNCN: 2 [8 - **8**] - 12 November 1905: de la Escalera, D. Manuel M.: USNM: 1 [1 - **1** - **9**].
Figuig: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, MNHN: 5 [6]; Johnson, E.D.W.: BMNH: 10 [10 - **16** - **16**].
Foum Zguid: 10 March 1970: Hearst, M.G.: USNM: 2 [2]; Robbins, Lynn W.: USNM: 2 [2 - **4** - **4**].
Foum Zguid, 4 km S: 10 March 1970: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2**] - 11 March 1970: Robbins, Lynn W.: USNM: 2 [2 - **2** - **4**].
Frmane cave: 2 June 1986: Mateo, J.A.; Parreño, F.; EBD Expedition, The: EBD: 1 [1 - **1** - **1**].
Gorges du Dadès: 24 April 2008: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 3 [3 - **3**] - 7 October 2010: Benda, Petr; Reiter, Antonin; Ševcík, Martin; Uhrin, Marcel: NMP: 1 [1 - **1** - **4**].
Goulimine: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Grotte de Zegzel: 1 January 1953: ?: Collector Unknown: ZMA: 1 [1 - **1** - **1**].
Ha-ha: Collection Date Unknown: de la Escalera, D. Manuel M.: BMNH: 1 [1 - **1** - **1**].
Hercules caves: Collection Date Unknown: ?: Collector Unknown: MNHN: 14 [14 - **14**] - 7 March 1903: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 January 1904: Buchet: FMNH: 2 [2 - **2**] - 13 May 1970: Hearst, M.G.: USNM: 41 [41]; Robbins, Lynn W.: USNM: 35 [35 - **76**] - 14 May 1970: Hearst, M.G.: USNM: 47 [47]; Robbins, Lynn W.: USNM: 47 [47 - **94**] - 12 August 1983: Romero, Pedro: EBD: 24 [24 - **24** - **211**].
Ifrane: 22 July 1971: Louette, Michel: RMCA: 1 [1 - **1** - **1**].
Ijoukak: 14 September 1969: Laviolette, S.; *et al.*: ROM: 1 [1 - **1** - **1**].
Jebel Tisouka: 11 May 1987: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 6 [6 - **6** - **6**].
Jorf El Roumi Nsebis cave: 13 July 2002: ?: Collector Unknown: EBD: 1 [1]; Ibáñez Uargui, Carlos J.; Juste, Javier: EBD: 1 [1 - **2** - **2**].
Kef Azigza Cave: 16 August 1979: Huberth, E.; Mayer, Anton; Spitzenberger, Frederike; Wirth, Josef: NMW: 36 [36 - **36**] - 30 April 2000: Ibáñez Uargui, Carlos J.; Juste, Javier; Garrido, J.A.; Quetglas, Juan: EBD: 1 [1]; Ibáñez Uargui, Carlos J.; Juste, Javier; Quetglas, Juan: EBD: 15 [15]; Juste, Javier; Quetglas, Juan; Ibáñez Uargui, Carlos J.; Garrido, H.: EBD: 2 [2 - **18**] - 1 May 2000: Ibáñez Uargui, Carlos J.; Juste, Javier; Quetglas, Juan: EBD: 2 [2 - **2**] - 26 April 2008: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 9 [9 - **9** - **65**].
Kef Azigza Cave: 26 April 2008: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 11 [11 - **11**] - 28 April 2008: Benda, Petr; Cervený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 1 [1 - **1** - **12**].
Kef-el-Rhar, cave [=Grotte de Kef-el-Rhar]: Collection Date Unknown: ?: Collector Unknown: NMW: 1 [1 - **1** - **1**].
Khenifra: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kik plateau cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Ksar-es-Souk: Collection Date Unknown: ?: Collector Unknown: NMW: 10 [10 - **10** - **10**].
Laachaich: 27 July 1986: Peña, Jesus: EBD: 6 [6 - **6** - **6**].
Larache, 20 km S: 11 May 1970: Hearst, M.G.: USNM: 1 [1 - **1** - **1**].
Lead mine [=Mine de Plomb]: Collection Date Unknown: ?: Collector Unknown: NMW: 1 [1 - **1** - **1**].
Mapti Endé: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].
Marrakech prefecture: 23 April 1961: ?: Collector Unknown: SMF: 16 [16 - **16** - **16**].
Marrakesh, E of: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Mechra Benabbou, 11 km SE: 22 April 1970: Hearst, M.G.: USNM: 32 [32]; Robbins, Lynn W.: USNM: 31 [31 - **63** - **63**].
Meknès: Collection Date Unknown: ?: Collector Unknown: MNHN: 18 [18 - **18** - **18**].
Meknés-Tafialet: Collection Date Unknown: ?: Collector Unknown: MHNG: 1 [1 - **1** - **1**].
Merzouga dunes: 3 May 1987: Mateo, J.A.; Expedition 4/87, The: EBD: 9 [9 - **9**] - 4 May 1987: Mateo, J.A.; Expedition 4/87, The: EBD: 1 [1 - **1** - **10**].
Meski: 28 July 1971: Louette, Michel: RMCA: 1 [1 - **1** - **1**].
Missour: 28 June 1970: Hearst, M.G.: USNM: 1 [1 - **1**] - 30 June 1970: Robbins, Lynn W.: USNM: 1 [1 - **1** - **2**].
Missour, 15 km SW: 29 June 1970: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2**] - 1 July 1970: Hearst, M.G.: USNM: 3 [3]; Robbins, Lynn W.: USNM: 2 [2 - **5** - **7**].
Mizu-Tétouan: 18 July 2011: Salicini, Irene: EBD: 4 [4 - **4** - **4**].
Mogador [=Essaouira]: Collection Date Unknown: de la Escolera, F.M.: ZMB: 2 [2 - **2** - **2**].
Moulay Abdeslam, 5 km W: 15 May 1987: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 3 [3 - **3**] - 16 May 1987: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 20 [20 - **20**] - 17 May 1987: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 5 [5 - **5** - **28**].
Moulay Abdessalam - Zinat, between: 10 July 2002: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].
Nador, 20 km SE: 22 May 1970: Vaden, R.E.: USNM: 28 [28 - **28**] - 23 May 1970: Vaden, R.E.: USNM: 14 [14 - **14**] - 24 May 1970: Vaden, R.E.: USNM: 8 [8 - **8**] - 25 May 1970: Vaden, R.E.: USNM: 10 [10 - **10**] - 26 May 1970: Vaden, R.E.: USNM: 4 [4 - **4** - **64**].
Nafifik forest: 1 January 1956: Institut Pasteur, l': MNHN: 1 [1 - **1** - **1**].
Ouarzazate, 19 km E: 18 July 1970: Hearst, M.G.: USNM: 28 [28]; Robbins, Lynn W.: USNM: 29 [29 - **57**] - 19 July 1970: Hearst, M.G.: USNM: 17 [17]; Robbins, Lynn W.: USNM: 17 [17 - **34**] - 18 September 1970: Hearst, M.G.: USNM: 1 [1 - **1** - **92**].
Ouarzazate, 3 km NW: 4 March 1970: Hearst, M.G.: USNM: 2 [2 - **2** - **2**].
Ouarzazate, 5 km S: 23 February 1970: Robbins, Lynn W.: USNM: 2 [2 - **2**] - 24 February 1970: Hearst, M.G.: USNM: 2 [2]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **5**].
Ouarzazate, 5 km SE: 18 July 1970: Hearst, M.G.: USNM: 6 [6]; Robbins, Lynn W.: USNM: 2 [2 - **8** - **8**].
Ouarzazate, 5 km SW: 18 July 1970: Robbins, Lynn W.: USNM: 4 [4 - **4** - **4**].
Ouarzazate, 6 km N: 23 February 1970: Hearst, M.G.: USNM: 2 [2]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **3**].
Ouarzazate, 9 km SE: 26 February 1970: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **2**].
Ouazarzate: 22 July 1986: Manzaranes, A.: EBD: 1 [1 - **1** - **1**].
Oued Draâ: 31 August 2003: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Oued Drâa: Collection Date Unknown: ?: Collector Unknown: NMP: 2 [2 - **2** - **2**].
Oued el-Ammar: 9 September 2003: Benda, Petr: NMP: 3 [3 - **3** - **3**].
Oued Korifla: Collection Date Unknown: Laurent, R.: MNHN: 1 [1 - **1**] - 8 August 1927: Laurent, R.: MNHN: 1 [1 - **1** - **2**].
Oued Laou, near: 13 May 1987: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 1 [1 - **1** - **1**].
Oued Siglone: 10 August 1986: Peña, Jesus; Jiménez, Antonio: EBD: 4 [4 - **4** - **4**].
Ouezzane, 10 km W: 2 June 1970: Vaden, R.E.: USNM: 1 [1 - **1** - **1**].
Ourika, cascade: 22 July 1986: Manzaranes, A.: EBD: 2 [2 - **2** - **2**].
Peñon de Alhucemas island: 27 September 1978: Busto, B.: EBD: 2 [2 - **2**] - 3 October 1978: Busto, B.: EBD: 2 [2 - **2**] - 5 October 1978: Busto, B.: EBD: 1 [1 - **1** - **5**].
Puente Fomento: 12 May 1987: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 6 [6 - **6** - **6**].
Rabat: 1 July 1987: Shillcock, N.H.: ZMA: 2 [2 - **2** - **2**].
Rabat, 17 km SE: 9 October 1969: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1**] - 9 November 1969: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1** - **2**].
Ras el Oued, cave: Collection Date Unknown: Strinati, Pierre; Aellen, Villy: MHNG: 1 [1 - **1**] - 4 September 1950: ?: Collector Unknown: BRTC: 2 [2 - **2** - **3**].
Rasel Oued cave: 5 September 1950: Strinati, Pierre; Aellen, Villy: AMNH: 1 [1 - **1** - **1**].
Safi, 13 km S: 15 April 1970: Hearst, M.G.: USNM: 5 [5]; Robbins, Lynn W.: USNM: 6 [6 - **11**] - 18 April 1970: Hearst, M.G.: USNM: 1 [1 - **1** - **12**].
Samsa: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Samsa cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Sebt-des-Ait-Serhrouchen: 9 September 2003: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Sidi Binzarne: Collection Date Unknown: : NMP: 2 [2 - **2** - **2**].
Sidi Moussa: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Sidi Sibara, 3 km SW: 12 October 1969: Setzer, Henry W.: USNM: 4 [4 - **4** - **4**].
Souk-Khemis-des-Beni-Arouss: 25 August 2003: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Souq l'Arba N. Ayt Ahmad: 8 June 2002: ?: Collector Unknown: EBD: 5 [5 - **5** - **5**].
Taddert: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Taforalt, 3 km NE: 3 June 1970: Hearst, M.G.: USNM: 2 [2 - **2** - **2**].
Taforalt, 9 km NE: 3 June 1970: Hearst, M.G.: USNM: 30 [30]; Robbins, Lynn W.: USNM: 30 [30 - **60**] - 5 June 1970: Hearst, M.G.: USNM: 57 [57]; Robbins, Lynn W.: USNM: 57 [57 - **114** - **174**].
Tagonidert: Collection Date Unknown: de la Escolera, F.M.: BMNH: 1 [1 - **1** - **1**].
Tagouidert: Collection Date Unknown: de la Escolera, F.M.: ZMB: 1 [1 - **1** - **1**].
Takoumit oasis: 26 April 2008: Benda, Petr; Červený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 2 [2 - **2**] - 27 April 2008: Benda, Petr; Červený, Jaroslav; Konecný, Adam; Vallo, Peter: NMP: 1 [1 - **1** - **3**].
Talkout: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1**] - 30 August 2003: Benda, Petr: NMP: 8 [8 - **8** - **9**].
Tamtattouchte: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1**] - 3 November 2003: Benda, Petr: NMP: 1 [1 - **1** - **2**].
Tan Tan Plage, 30 km SE: 19 September 1969: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1** - **1**].

Tanger: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3]; Floericke, Kurt: ZMB: 1 [1]; Kleinschmidt, Otto; Floericke, Kurt: ZMB: 1 [1 - **5** - **5**].
Tanger, 13 km W: 25 October 1969: Hearst, M.G.: USNM: 8 [8]; Robbins, Lynn W.: USNM: 13 [13]; Schlitter, Duane Albert: USNM: 9 [9]; Vaden, R.E.: USNM: 8 [8 - **38** - **38**].
Tangiers: Collection Date Unknown: Floericke, Kurt: ZMB: 2 [2 - **2** - **2**].
Taounate, 15 km WSW: 8 May 1970: Vaden, R.E.: USNM: 5 [5 - **5**] - 9 May 1970: Vaden, R.E.: USNM: 6 [6 - **6**] - 11 May 1970: Vaden, R.E.: USNM: 4 [4 - **4**] - 12 May 1970: Vaden, R.E.: USNM: 1 [1 - **1** - **16**].
Taourirt prefecture, 10 km NW Taourirt: 6 September 2003: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Tata, 15 km S: 16 March 1970: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 2 [2 - **3**] - 17 March 1970: Hearst, M.G.: USNM: 2 [2]; Robbins, Lynn W.: USNM: 1 [1 - **3** - **6**].
Tata, 8 km N: 16 March 1970: Hearst, M.G.: USNM: 6 [6]; Robbins, Lynn W.: USNM: 6 [6 - **12**] - 16 July 1970: Hearst, M.G.: USNM: 1 [1 - **1** - **13**].
Tata, near: 25 April 1954: Dorst, Jean Pierre: MNHN: 8 [8 - **8** - **8**].
Taza province: 4 July 1952: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Taza, 13 km S: 16 June 1970: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 1 [1 - **2** - **2**].
Tazarine: Collection Date Unknown: ?: Collector Unknown: MNHN: 9 [9 - **9**] - 4 March 1970: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 2 [2 - **3** - **12**].
Tazarine cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].
Tazarine, 3 km NW: 4 March 1970: Hearst, M.G.: USNM: 1 [1]; Robbins, Lynn W.: USNM: 2 [2 - **3**] - 5 March 1970: Hearst, M.G.: USNM: 20 [20]; Robbins, Lynn W.: USNM: 15 [15 - **35** - **38**].
Tétouan, cave 6 km E: 14 May 1987: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 24 [24 - **24**] - 15 May 1987: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 1 [1 - **1** - **25**].
Tiflet, 15 km W: 6 May 1970: Hearst, M.G.: USNM: 6 [6]; Robbins, Lynn W.: USNM: 6 [6 - **12** - **12**].
Tiflet, 21 km W: 5 May 1970: Hearst, M.G.: USNM: 5 [5]; Robbins, Lynn W.: USNM: 5 [5 - **10** - **10**].
Tiguerte cave: 11 May 1997: Ibáñez Uargui, Carlos J.; Expedition 8/87, The: EBD: 2 [2 - **2** - **2**].
Wintimdouine cave: 10 June 2002: ?: Collector Unknown: EBD: 3 [3 - **3** - **3**].
Xerafat: 17 August 1932: Morales, A.: USNM: 1 [1 - **1** - **1**].
Zegzel cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Total Specimens for Morocco: 1676

Mozambique

Unknown locality: Collection Date Unknown: BMNH: 18, MNHN: 4, SMF: 7 [29]; Blazer, brothers: RMNH: 1 [1]; Loveridge, Arthur: BMNH: 1 [1]; Peters, Wilhelm Carl Hartwig: ZMB: 3 [3 - **34**] - 5 November 1908: ?: Collector Unknown: MSNG: 1 [1 - **1**] - 22 September 1964: Coetzee, C.G.: TM: 1 [1 - **1** - **36**].
Aldeia Chiuta [= Chiuta, Chuta]: 22 September 1961: Coetzee, C.G.: TM: 1 [1 - **1**] - 22 September 1964: Coetzee, C.G.: TM: 3 [3]; Coetzee, C.G.; Seete, J.M.; Smithsonian Institute - TM Expedition, The: TM: 4 [4]; Herbert, H.J.: USNM: 37 [37 - **44** - **45**].
Amamba: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Balama Coutada: 25 June 2006: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Bamboo Inn: 9 October 2010: Goodman, Steven M.; Monadjem, Ara: FMNH: 2 [2 - **2** - **2**].
Bazaruto Lodge: 24 October 1989: ?: Collector Unknown: TM: 2 [2 - **2**] - 8 April 1998: ?: Collector Unknown: DNSM: 2 [2 - **2** - **4**].
Beira: Collection Date Unknown: ?: Collector Unknown: BMNH: 3, NHMZ: 1, USNM: 1 [5 - **5**] - 5 June 1900: ?: Collector Unknown: TM: 1 [1 - **1**] - 26 April 1908: ?: Collector Unknown: TM: 2 [2 - **2**] - 2 May 1908: ?: Collector Unknown: TM: 1 [1 - **1**] - 14 May 1908: ?: Collector Unknown: TM: 1 [1 - **1**] - 2 August 1965: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 3 August 1968: Baddeley, M. St. C.: ROM: 4 [4 - **4**] - 5 August 1968: Baddeley, M. St. C.: ROM: 2 [2 - **2**] - 6 August 1968: Baddeley, M. St. C.: ROM: 2 [2 - **2**] - 9 August 1968: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 10 August 1968: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 1 August 1969: Baddeley, M. St. C.: ROM: 1 [1]; Robsory: ROM: 6 [6 - **7** - **28**].
Beira, 10 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2]; Davis, R.M.: USNM: 1 [1 - **3** - **3**].
Beira, 20 mi N: 21 September 1962: Rankwa: HZM: 1 [1 - **1** - **1**].
Beira, 212 km SSW: 8 October 1963: Dalquest, Walter Woelberg: TTU: 1 [1 - **1**] - 7 October 1965: Dalquest, Walter Woelberg: TTU: 1 [1 - **1**] - 11 October 1965: Dalquest, Walter Woelberg: TTU: 1 [1 - **1** - **3**].
Beira, near: 26 September 1930: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Beira,10 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 28 October 1964: Hardy, A.R.: USNM: 1 [1 - **1**] - 30 October 1964: Davis, R.M.: USNM: 2 [2]; Hardy, A.R.: USNM: 12 [12 - **14** - **16**].
Bela Vista: 21 August 1960: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
Bidenguele: 23 December 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Boane: Collection Date Unknown: ?: Collector Unknown: CZL: 2, USNM: 1 [3 - **3**] - 11 July 1964: Davis, R.M.: USNM: 1 [1 - **1** - **4**].
Boane, 10 km N: 13 July 1964: Setzer, Henry W.: USNM: 2 [2 - **2** - **2**].
Boror: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Peters, Wilhelm Carl Hartwig: BMNH: 1, RMNH: 1, ZMB: 5 [7 - **8** - **8**].
Bunga Inselberg: 24 April 2015: Guyton, Jennifer Anna: DNSM: 5 [5 - **5**] - 25 April 2015: Guyton, Jennifer Anna: DNSM: 1 [1 - **1**] - 2 May 2015: Guyton, Jennifer Anna: DNSM: 1 [1 - **1**] - 22 July 2015: Guyton, Jennifer Anna: DNSM: 1 [1 - **1** - **8**].
Buzi River: 14 June 2006: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].
Cabaceira: Collection Date Unknown: Peters, Wilhelm Carl Hartwig: ZMB: 1 [1 - **1** - **1**].
Caia Lodge: 17 June 2006: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Casa Msika lodge: 25 December 2007: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Changalane [= Estatuane]: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chemezi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 17 December 1961: ?: Collector Unknown: TM: 2 [2 - **2** - **3**].
Cheringoma Caves: 16 June 2006: ?: Collector Unknown: DNSM: 7 [7 - **7** - **7**].
Cheringoma plateau: 1 July 2015: Guyton, Jennifer Anna: TM: 2 [2 - **2** - **2**].

Chicoa, 20 km ESE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Chicona, 14 mi ESE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 17 August 1964: Herbert, H.J.: USNM: 1 [1 - **1** - **2**].
Chicualacuala: Collection Date Unknown: ?: Collector Unknown: CZL: 2 [2 - **2** - **2**].
Chigubo: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 11 February 1964: Cole, Ronald E.: USNM: 12 [12 - **12**] - 17 February 1964: Cole, Ronald E.: USNM: 18 [18 - **18** - **31**].
Chihalatan cave: 2 May 2015: Goodman, Steven M.; Schoeman, M. Corrie; Le Minter, Gildas: FMNH: 6 [6 - **6** - **6**].
Chimonzo: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1]; Cole, Ronald E.: USNM: 2 [2 - **3**] - 31 August 1960: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 September 1960: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 5 September 1960: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 February 1964: Cole, Ronald E.: USNM: 1 [1 - **1**] - 23 February 1964: Cole, Ronald E.: USNM: 16 [16 - **16**] - 25 February 1964: Moore, A.L.: USNM: 4 [4 - **4**] - 26 February 1964: Cole, Ronald E.: USNM: 10 [10 - **10**] - 1 April 1966: ?: Collector Unknown: DNSM: 2 [2 - **2** - **40**].
Chiniziwa District: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chinizuia Forest: 15 June 2006: ?: Collector Unknown: DNSM: 9 [9]; Monadjem, Ara: DNSM: 1 [1 - **10** - **10**].
Chitengo Camp: 1 July 2015: Guyton, Jennifer Anna: TM: 2 [2 - **2** - **2**].
Chitengo, 100 km E: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chiutu: Collection Date Unknown: ?: Collector Unknown: USNM: 5 [5 - **5**] - 22 September 1964: Herbert, H.J.: USNM: 1 [1 - **1** - **6**].
Chokwe, Limpopo Bridge: 11 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Coguno: Collection Date Unknown: ?: Collector Unknown: USNM: 3 [3 - **3**] - 26 July 1906: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 28 July 1906: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 8 September 1906: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 24 August 1908: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 29 August 1908: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 27 April 1964: Cole, Ronald E.: USNM: 18 [18 - **18** - **26**].
Coquno [= Coguno?]: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].
Covane: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 4 May 1972: Lobao Tello, José L.P.: ROM: 6 [6 - **6** - **7**].
Cruz Dabacua Setache: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Cruz Dabacua Setache, Zinave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Dabacua Setache: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Dondo: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 5 November 1964: Davis, R.M.: USNM: 9 [9]; Hardy, A.R.: USNM: 10 [10 - **19**] - 8 November 1964: Davis, R.M.: USNM: 45 [45 - **45**] - 19 June 1968: ?: Collector Unknown: DNSM: 1 [1 - **1** - **66**].
Dondo Forest: 14 July 1968: Baddeley, M. St. C.: ROM: 3 [3 - **3**] - 15 July 1968: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 16 July 1968: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **6**].
Envirotrade site: Collection Date Unknown: : DNSM: 1 [1 - **1**] - 30 December 2007: ?: Collector Unknown: DNSM: 3 [3 - **3** - **4**].
Estatuane: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Estatuene: 12 February 1974: : AMNH: 8 [8 - **8** - **8**].
Furancungo, 30 mi NNW: 5 August 1964: Setzer, Henry W.: USNM: 1 [1 - **1**] - 6 August 1964: Coetzee, C.G.: TM: 2, USNM: 9 [11 - **11**] - 7 August 1964: Davis, R.M.: USNM: 4 [4]; Hardy, A.R.: USNM: 4 [4]; Herbert, H.J.: USNM: 4 [4]; Lingebach, J.C.: USNM: 5 [5 - **17** - **29**].
Furancungo, 40 km NNW: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Gerhard's Cave: Collection Date Unknown: : TM: 1 [1 - **1**] - 27 August 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 August 2006: Stoffberg, Samantha: DNSM: 1 [1 - **1**] - 3 October 2007: ?: Collector Unknown: DNSM: 1 [1]; Stoffberg, Samantha: DNSM: 4 [4 - **5** - **8**].
Gondola: Collection Date Unknown: ?: Collector Unknown: CZL: 1 [1 - **1** - **1**].
Gorge Rim, Site 1: 21 April 2013: Guyton, Jennifer Anna: TM: 1 [1 - **1** - **1**].
Gorongosa National Park: 1 July 2015: Monadjem, Ara; Le Minter, Gildas; Lagadec, Erwan: DNSM: 12 [12 - **12**] - 5 November 2015: Guyton, Jennifer Anna: DNSM: 1 [1 - **1** - **13**].
Gorongosa National Park: 21 July 2015: Guyton, Jennifer Anna: DNSM: 1 [1 - **1** - **1**].
Gorongosa National Park, cave at alpine-forest interface: 21 August 2011: ?: Collector Unknown: FMNH: 2 [2 - **2**] - 23 August 2011: ?: Collector Unknown: FMNH: 4 [4 - **4** - **6**].
Gorongosa National Park, montain forest 1: 16 August 2011: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 21 August 2011: ?: Collector Unknown: FMNH: 1 [1 - **1** - **2**].
Gorongosa National Park, village below forest: 12 August 2011: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 19 August 2011: ?: Collector Unknown: FMNH: 1 [1 - **1** - **2**].
Gorongosa NR: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gorongosa, E: 16 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Gorongoza caves: 16 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Gorongoza Mountain: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Gorongoza National Park: 28 December 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Gruta Magochene: Collection Date Unknown: ?: Collector Unknown: NHMZ: 9, ROM: 8 [17 - **17** - **17**].
Gupata, ca. 50 mi. NE. Zinave: 12 October 1968: Van Gelder, Richard George: AMNH: 1 [1 - **1** - **1**].
Gurué Tea Plantation: 18 June 2006: ?: Collector Unknown: DNSM: 8 [8 - **8**] - 19 June 2006: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 20 June 2006: ?: Collector Unknown: DNSM: 11 [11 - **11**] - 19 June 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 June 2010: ?: Collector Unknown: DNSM: 1 [1 - **1** - **24**].
Gurue, 2.9 km N, 8.9 km E: 10 May 2003: Kerbis Peterhans, Julian C.: FMNH: 26 [26 - **26**] - 11 May 2003: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 2 August 2003: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 8 August 2003: Kerbis Peterhans, Julian C.: FMNH: 32 [32 - **32** - **62**].
Gurue, 7.6 km N, 7.2 km E: 25 July 2003: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 26 July 2003: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 30 July 2003: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **3**].
Gurue, ca 8 km N, 8 km E: 19 July 2003: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].
Guya: 3 August 1915: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].
Ibo: Collection Date Unknown: Peters, Wilhelm Carl Hartwig: ZMB: 3 [3 - **3** - **3**].
Inhaca Island: Collection Date Unknown: : KM: 1 [1 - **1**] - 17 July 1949: Foster, C.A.: FMNH: 19 [19 - **19**] - 26 April 1962: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 May 1962: ?: Collector Unknown: DNSM: 1 [1 - **1** - **22**].

Inhambane: Collection Date Unknown: Peters, Wilhelm Carl Hartwig: BMNH: 3, NMW: 1, ZMB: 3 [7]; Rudd, C.D.: BMNH: 1 [1 - **8**] - 1 January 1843: Peters, Wilhelm Carl Hartwig: ZMB: 4 [4 - **4**] - 9 August 1906: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 11 August 1906: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **14**].
Inhaminga: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 1 January 1933: : SMF: 1 [1]; Hofmann, K: SMF: 1 [1 - **2** - **3**].
Inyoka Mountain: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 1 March 1964: Cole, Ronald E.: USNM: 1 [1]; Cole, Ronald E.; Haacke, W.: USNM: 4 [4 - **5** - **6**].
Jangamo: 13 April 1964: Cole, Ronald E.: USNM: 9 [9 - **9**] - 14 April 1964: Cole, Ronald E.: USNM: 2 [2 - **2** - **11**].
Javane: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Jongamo: Collection Date Unknown: Cole, Ronald E.: USNM: 3 [3 - **3**] - 13 April 1964: Cole, Ronald E.: USNM: 1 [1 - **1**] - 16 April 1964: Cole, Ronald E.: USNM: 21 [21 - **21** - **25**].
Kanganatole, 8 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kasumbadedza: 25 January 1949: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Lagoa De Ura: 6 September 1968: Baddeley, M. St. C.: ROM: 2 [2 - **2**] - 7 September 1968: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 8 September 1968: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **4**].
Inhaminga: 2 July 1968: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Lorenzo Marques [= Maputo]: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].
Luabo: 26 April 1970: Smith, 1: HZM: 1 [1 - **1** - **1**].
Lumbo: Collection Date Unknown: Loveridge, Arthur: BMNH: 3 [3 - **3**] - 20 July 1918: Loveridge, Arthur: BMNH: 2, MCZ: 1 [3 - **3** - **6**].
Macovane: 4 May 1972: Lobao Tello, José L.P.: ROM: 2 [2]; Wingate, Lloyd R.: AMNH: 10 [10 - **12** - **12**].
Magude: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Magude-Mapulenguene: 21 December 2007: ?: Collector Unknown: DNSM: 4 [4]; : DNSM: 1 [1 - **5** - **5**].
Mague: 22 August 1964: ?: Collector Unknown: TM: 1 [1]; Coetzee, C.G.: TM: 1 [1 - **2** - **2**].
Mague: 22 August 1964: Herbert, H.J.: USNM: 2 [2 - **2**] - 23 August 1964: Herbert, H.J.: USNM: 27 [27 - **27** - **29**].
Mague [= Mphende]: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2]; Herbert, H.J.: USNM: 1 [1 - **3** - **3**].
Mague, new: Collection Date Unknown: Herbert, H.J.: USNM: 3 [3 - **3**] - 22 August 1964: Coetzee, C.G.: TM: 5 [5 - **5** - **8**].
Malacus: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Malashane cave: 2 May 2015: Goodman, Steven M.; Schoeman, M. Corrie; Le Minter, Gildas: FMNH: 23 [23 - **23** - **23**].
Malucas: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Manhiça: 12 November 1948: ?: Collector Unknown: CZL: 2 [2 - **2** - **2**].
Manho Forest: Collection Date Unknown: ?: Collector Unknown: DNSM: 5 [5 - **5**] - 1 January 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 November 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 November 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **8**].
Manhoe forest: 26 May 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Manica: Collection Date Unknown: ?: Collector Unknown: CZL: 2 [2 - **2** - **2**].
Manica and Sofala: 30 August 1964: Hardy, A.R.: USNM: 5 [5 - **5** - **5**].
Mapinhane: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 June 1966: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Maputo: Collection Date Unknown: ?: Collector Unknown: CZL: 1, NHMZ: 1 [2 - **2**] - 17 February 1910: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].
Maputo Camp: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 July 2006: ?: Collector Unknown: DNSM: 5 [5]; Monadjem, Ara: DNSM: 1 [1 - **6**] - 2 July 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **8**].
Maputo Special Reserve: Collection Date Unknown: : TM: 3 [3 - **3** - **3**].
Maputo, 2 mi [= 3.2 km] N: 17 May 1948: Larson, Thomas ("Tom"): MVZ: 9 [9 - **9** - **9**].
Marine Research Station: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 22 September 1957: ?: Collector Unknown: TM: 9 [9 - **9**] - 24 September 1957: ?: Collector Unknown: TM: 6 [6 - **6**] - 25 September 1957: ?: Collector Unknown: TM: 1 [1 - **1**] - 16 January 1964: Cole, Ronald E.: USNM: 21 [21 - **21**] - 17 January 1964: Cole, Ronald E.: USNM: 3 [3 - **3**] - 18 January 1964: Cole, Ronald E.: USNM: 1 [1 - **1**] - 19 January 1964: Cole, Ronald E.: USNM: 1 [1 - **1** - **43**].
Marromeu Town: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Marromeu, 40 km W: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Marromeu, Coutada 1: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Marromeu, Coutada 11 HQ: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Marromeu,Coutada 1: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Masembeti: Collection Date Unknown: Rudd, C.D.: BMNH: 2 [2 - **2** - **2**].
Massamba, 16 km E: Collection Date Unknown: ?: Collector Unknown: USNM: 6 [6 - **6** - **6**].
Massamba,16 km E: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Massangena: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2]; Cole, Ronald E.: USNM: 1 [1 - **3**] - 6 February 1964: Moore, A.L.: USNM: 1 [1 - **1**] - 7 February 1964: Cole, Ronald E.: USNM: 4 [4 - **4**] - 8 February 1964: Moore, A.L.: USNM: 4 [4 - **4**] - 13 June 2006: ?: Collector Unknown: DNSM: 6 [6]; : DNSM: 1 [1 - **7**] - 3 June 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **20**].
Massinga: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2**] - 11 April 1964: Cole, Ronald E.: USNM: 14 [14 - **14** - **16**].
Massinga, 2 km N: 8 April 1964: Cole, Ronald E.: USNM: 3 [3 - **3**] - 9 April 1964: Cole, Ronald E.: USNM: 25 [25 - **25** - **28**].
Massinga, 2 km S: Collection Date Unknown: Cole, Ronald E.: USNM: 2 [2 - **2**] - 11 April 1964: Cole, Ronald E.: USNM: 2 [2 - **2** - **4**].
Matola: 13 December 1971: Kjellesvig-Waering, Erik Norman: FMNH: 1 [1 - **1** - **1**].
Mazambo: 21 July 1915: ?: Collector Unknown: BRTC: 1 [1]; Van Dam, G.P.: TM: 1 [1 - **2** - **2**].
Mehave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Meponda: 20 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 June 2006: ?: Collector Unknown: DNSM: 12 [12 - **12**] - 29 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **14**].
Meponda, 10 km E: 28 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Meponda, 6 km E: 29 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Meponda, 6 km from: 29 June 2006: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Mepuze: 11 June 2006: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Mepuze, S of: 11 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mezimbite: 4 November 1964: Davis, R.M.: USNM: 2 [2 - **2**] - 8 November 1964: Davis, R.M.: USNM: 1 [1 - **1** - **3**].
Milepa: 20 February 1950: Vesey-FitzGerald, Leslie Desmond Edward Foster: BMNH: 1 [1 - **1** - **1**].
Mkuzi Reserve: 1 August 1998: Kompanje, Erwin J.O.: NMR: 1 [1 - **1** - **1**].
Moamba: Collection Date Unknown: ?: Collector Unknown: USNM: 4 [4 - **4**] - 12 March 1964: Cole, Ronald E.: USNM: 10 [10 - **10** - **14**].
Moebase: 16 September 1994: Whiting, M.J.; Branch, W.R;.Branch, T.C.: TM: 1 [1 - **1** - **1**].
Mombane: 24 March 1964: Cole, Ronald E.: USNM: 8 [8 - **8** - **8**].
Mongue: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Morombozi River, below forest: 17 August 2011: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 20 August 2011: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 22 August 2011: ?: Collector Unknown: FMNH: 1 [1 - **1** - **3**].
Mount Chiperone: 2 December 2006: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
Mount Inago: 5 September 2009: Bayliss, Julian: DNSM: 1 [1 - **1** - **1**].
Mount Inago Forest Camp: 1 May 2009: Bayliss, Julian: DNSM: 1 [1 - **1** - **1**].
Mount Jao: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mount Mabu: Collection Date Unknown: ?: Collector Unknown: DNSM: 3, MHNG: 1 [4 - **4**] - 13 October 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 June 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].
Mount Mabu forest camp: 27 November 2008: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 1 June 2009: ?: Collector Unknown: DNSM: 2 [2 - **2** - **4**].
Mount Mabu site 7: 18 October 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mount Mabu, forest Ridge: 26 November 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mount Mecula: 7 May 2012: Bayliss, Julian: DNSM: 1 [1 - **1**] - 8 May 2012: Bayliss, J.: DNSM: 2 [2 - **2** - **3**].
Mount Namuli: 29 November 1998: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Mount Namuli base camp: 20 November 2008: ?: Collector Unknown: DNSM: 1 [1]; : DNSM: 1 [1 - **2** - **2**].
Mozambique Island: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Peters, Wilhelm Carl Hartwig: ZMB: 1 [1 - **2**] - 1 January 1843: Peters, Wilhelm Carl Hartwig: ZMB: 3 [3 - **3** - **5**].
Muaredzi River, karst cave 1: 28 August 2011: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].
Muaredzi River, karst cave 2: 29 August 2011: ?: Collector Unknown: FMNH: 14 [14 - **14** - **14**].
Muchena: Collection Date Unknown: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): TM: 1 [1 - **1**] - 10 September 1907: ?: Collector Unknown: TM: 1 [1 - **1**] - 28 June 1964: Setzer, Henry W.: USNM: 1 [1 - **1**] - 21 July 1964: ?: Collector Unknown: TM: 1 [1 - **1**] - 24 July 1964: ?: Collector Unknown: TM: 2 [2 - **2**] - 25 July 1964: ?: Collector Unknown: TM: 1 [1 - **1**] - 27 July 1964: Setzer, Henry W.: USNM: 1 [1 - **1**] - 28 July 1964: ?: Collector Unknown: TM: 12 [12]; Coetzee, C.G.; Smithsonian Expedition, The: TM: 1 [1]; Setzer, Henry W.: USNM: 10 [10 - **23**] - 29 July 1964: ?: Collector Unknown: TM: 13 [13]; Coetzee, C.G.: TM: 2 [2]; Davis, R.M.: USNM: 11 [11]; Hardy, A.R.: USNM: 10 [10]; Herbert, H.J.: USNM: 19 [19]; Lingebach, J.C.: USNM: 20 [20]; Setzer, Henry W.: USNM: 35 [35 - **110**] - 8 February 1978: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 2 [2 - **2**] - 9 February 1978: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1**] - 27 August 1982: Wolhuter, David A.; Cassidy, R.J.: TM: 1 [1 - **1** - **145**].
Mucrera R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mungari, 5 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 3 [3 - **3**] - 17 August 1964: Lingebach, J.C.: USNM: 1 [1 - **1**] - 18 August 1964: Davis, R.M.: USNM: 3 [3 - **3**] - 19 August 1964: Davis, R.M.: USNM: 2 [2 - **2** - **9**].
Murabue: 12 May 2003: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3**] - 9 July 2003: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 1 August 2003: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 3 August 2003: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 4 August 2003: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 5 August 2003: Kerbis Peterhans, Julian C.: FMNH: 5 [5 - **5**] - 6 August 2003: Kerbis Peterhans, Julian C.: FMNH: 4 [4 - **4**] - 7 August 2003: Kerbis Peterhans, Julian C.: FMNH: 6 [6 - **6**] - 8 August 2003: Kerbis Peterhans, Julian C.: FMNH: 4 [4 - **4**] - 9 August 2003: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **29**].
Muresi Swamp, E of: 9 July 2003: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **2**].
Mzambo: 21 July 1915: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Naa Macha: 10 October 1964: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].
Nabaunama River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Namapa: 22 June 2006: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].
Niassa Game Reserve: 30 June 2006: ?: Collector Unknown: DNSM: 15 [15 - **15**] - 4 July 2006: ?: Collector Unknown: DNSM: 4 [4 - **4** - **19**].
Niassa Game Reserve, S of: 30 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Nkuli Camp: 3 July 2006: ?: Collector Unknown: DNSM: 11 [11 - **11** - **11**].
Nogochene caves: Collection Date Unknown: Lobao Tello, José L.P.: AMNH: 11 [11 - **11**] - 12 October 1968: Van Gelder, Richard George: AMNH: 29 [29 - **29** - **40**].
Norture Boror: 27 October 1908: Vaughan-Kirby, Frederick; Roberts, Austin: TM: 1 [1 - **1** - **1**].
Nyaboa Caves: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Palmiera: 10 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Pamzila: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Panda: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2]; Cole, Ronald E.: USNM: 7 [7 - **9**] - 21 April 1964: Cole, Ronald E.: USNM: 10 [10 - **10**] - 1 May 1966: ?: Collector Unknown: DNSM: 2 [2 - **2** - **21**].
Panda, 4 km N: 20 April 1964: Cole, Ronald E.: USNM: 10 [10 - **10** - **10**].
Pemba: 23 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 June 2006: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].
Pemba, SW of: 23 June 2006: ?: Collector Unknown: DNSM: 2 [2]; Monadjem, Ara: DNSM: 1 [1 - **3** - **3**].
Pico Meponduine: 22 September 1974: : AMNH: 1 [1 - **1** - **1**].
Posto Inhaca: Collection Date Unknown: Cole, Ronald E.: USNM: 4 [4 - **4**] - 18 January 1964: Cole, Ronald E.: USNM: 5 [5 - **5** - **9**].
Quilimane: Collection Date Unknown: Stuhlmann, Franz Ludwig: ZMH: 1 [1 - **1** - **1**].
Ressano Garcia, 10 km SSE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4, NMZL: 1 [5 - **5** - **5**].
Ribaue, 27 km W: 21 June 2006: ?: Collector Unknown: DNSM: 11 [11]; : DNSM: 1 [1 - **12** - **12**].
Rio das Pedras: 8 April 1972: Jones, Theo Simpson: ROM: 5 [5 - **5** - **5**].
Rio Wanetsi: 22 December 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Sabi river: 11 May 1906: Hamilton, J.S.: BMNH: 1 [1 - **1**] - 21 May 1906: Hamilton, J.S.: BMNH: 1 [1 - **1** - **2**].

Save River Bridge, 30 km N?: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Save River, 15 km from mouth: 20 October 1963: Dalquest, Walter Woelberg: TTU: 1 [1 - **1**] - 21 October 1963: Dalquest, Walter Woelberg: TTU: 3 [3 - **3** - **4**].
Save River, south of bridge on EN1: 24 December 2007: ?: Collector Unknown: DNSM: 6 [6 - **6** - **6**].
Sena: Collection Date Unknown: Peters, Wilhelm Carl Hartwig: ZMB: 4 [4 - **4** - **4**].
Shupanga: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Kirk, John: BMNH: 2 [2 - **3** - **3**].
Shupanga: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Shupanga [=Chupanga]: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2** - **2**].
Sofala province: Collection Date Unknown: ?: Collector Unknown: SMF: 6 [6 - **6** - **6**].
Tambarara: 8 May 1907: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 6 [6 - **6** - **6**].
Tete: Collection Date Unknown: ?: Collector Unknown: BMNH: 2, ZMB: 1 [3]; Alexander, Boyd Francis: BMNH: 1 [1]; Grant, Claude Henry Baxter: TM: 1 [1]; Rudd, C.D.: BMNH: 1 [1 - **6**] - 2 September 1907: Grant, Claude Henry Baxter; Rudd Expedition, The: TM: 1 [1 - **1**] - 23 August 1908: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 2 [2 - **2**] - 29 August 1908: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 13 September 1908: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 14 September 1908: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **12**].
Tete district: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 29 July 1964: Coetzee, C.G.: TM: 1 [1 - **1**] - 6 August 1964: Coetzee, C.G.: TM: 2 [2 - **2** - **5**].
Tete, 2 mi E: 21 July 1964: ?: Collector Unknown: TM: 4 [4 - **4**] - 23 July 1964: ?: Collector Unknown: TM: 19 [19 - **19**] - 24 July 1964: ?: Collector Unknown: TM: 1 [1 - **1** - **24**].
Tete, 2 mi SE: 20 July 1964: Setzer, Henry W.: USNM: 2 [2 - **2**] - 21 July 1964: ?: Collector Unknown: TM: 8 [8]; Davis, R.M.: USNM: 9 [9]; Herbert, H.J.: USNM: 1 [1]; Lingebach, J.C.: USNM: 11 [11]; Setzer, Henry W.: USNM: 19 [19 - **48**] - 22 July 1964: Lingebach, J.C.: USNM: 10 [10]; Setzer, Henry W.: USNM: 14 [14 - **24**] - 23 July 1964: ?: Collector Unknown: TM: 7 [7]; Case, J.: USNM: 6 [6]; Davis, R.M.: USNM: 26 [26]; Herbert, H.J.: USNM: 20 [20]; Lingebach, J.C.: USNM: 30 [30]; Setzer, Henry W.: USNM: 14 [14 - **103**] - 23 August 1964: Herbert, H.J.: USNM: 2 [2 - **2** - **179**].
Tete, 3 km E: Collection Date Unknown: ?: Collector Unknown: USNM: 7 [7 - **7** - **7**].
Tete, near: Collection Date Unknown: Alexander, Boyd Francis: BMNH: 1 [1 - **1**] - 15 January 1949: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 20 January 1949: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 25 January 1949: Loveridge, Arthur: MCZ: 4 [4 - **4** - **7**].
Tette: Collection Date Unknown: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 3 [3 - **3**] - 10 September 1907: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 3 [3 - **3** - **6**].
Tette [=Tete]: Collection Date Unknown: Peters, Wilhelm Carl Hartwig: ZMB: 15 [15 - **15**] - 1 January 1843: Peters, Wilhelm Carl Hartwig: ZMB: 1 [1 - **1**] - 1 March 1845: Peters, Wilhelm Carl Hartwig: ZMB: 1 [1 - **1** - **17**].
Ukalini Forest: Collection Date Unknown: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 23 November 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
unspecified locality: 3 August 1915: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].
Vila Gamlto, 10 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 4 [4 - **4** - **4**].
Vila Coutinho: 8 October 1964: Herbert, H.J.: USNM: 2 [2 - **2** - **2**].
Vila Coutinho, 93 km S: 10 October 1964: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].
Vila de Manica [= Manica], 10 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Vila de Manica [= Manlca], 10 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].
Vila de Manica, 10 km N: 30 August 1964: Davis, R.M.: USNM: 12 [12]; Hardy, A.R.: USNM: 8 [8 - **20** - **20**].
Vila Gamito: 7 August 1964: Coetzee, C.G.; Smithsonian Expedition, The: TM: 1 [1 - **1**] - 9 August 1964: ?: Collector Unknown: TM: 14 [14]; Coetzee, C.G.; Smithsonian Expedition, The: TM: 9 [9]; Davis, R.M.: USNM: 13 [13]; Herbert, H.J.: USNM: 6 [6]; Setzer, Henry W.: USNM: 7 [7 - **49** - **50**].
Vila Gamito, 10 km N: 9 August 1964: Davis, R.M.: USNM: 12 [12]; Hardy, A.R.: USNM: 58 [58]; Herbert, H.J.: USNM: 6 [6]; Lingebach, J.C.: USNM: 20 [20]; Setzer, Henry W.: USNM: 30 [30 - **126** - **126**].
Vila Gamito,10 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].
Vila Gouveia: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, USNM: 2 [3 - **3**] - 23 August 1964: Davis, R.M.: USNM: 13 [13 - **13**] - 24 August 1964: Davis, R.M.: USNM: 11 [11]; Lingebach, J.C.: USNM: 7 [7 - **18**] - 25 August 1964: Davis, R.M.: USNM: 6 [6]; Lingebach, J.C.: USNM: 1 [1 - **7** - **41**].
Vila Gouveia, S: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Vila Gouvela: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Vila Machado: 21 July 1964: Davis, R.M.: USNM: 4 [4]; Herbert, H.J.: USNM: 2 [2 - **6**] - 22 July 1964: Davis, R.M.: USNM: 4 [4 - **4**] - 15 September 1964: Davis, R.M.: USNM: 25 [25]; Hardy, A.R.: USNM: 22 [22 - **47**] - 23 July 1968: Baddeley, M. St. C.: ROM: 3 [3 - **3** - **60**].
Vila Machado, 3 km SE: 14 September 1964: Davis, R.M.: USNM: 1 [1 - **1** - **1**].
Vila Mahado: 23 July 1968: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].
Vilanculos: Collection Date Unknown: ?: Collector Unknown: CZL: 1, USNM: 1 [2 - **2**] - 24 June 2003: Kerbis Peterhans, Julian C.: FMNH: 10 [10 - **10**] - 25 June 2003: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7** - **19**].
Villa Moatize, 17 km E: 3 July 1989: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Vumba: 4 June 1913: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 June 1913: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 December 1993: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Xai Xai: 1 April 1997: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Zavora: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Zimbiti: 26 April 1908: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Zinave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 8 October 1963: Dalquest, Walter Woelberg: KU: 1 [1 - **1**] - 9 October 1963: Dalquest, Walter Woelberg: KU: 1 [1 - **1**] - 17 October 1965: ?: Collector Unknown: MWSU: 1 [1]; Dalquest, Walter Woelberg: MWSU: 5 [5 - **6**] - 7 October 1968: Van Gelder, Richard George: AMNH: 2 [2 - **2**] - 11 October 1968: Van Gelder, Richard George: AMNH: 1 [1 - **1**] - 17 October 1968: Van Gelder, Richard George: AMNH: 1 [1 - **1**] - 3 May 1972: Lobao Tello, José L.P.: ROM: 4 [4 - **4**] - 28 March 1973: : AMNH: 1 [1 - **1**] - 26 July 1973: : AMNH: 6 [6 - **6**] - 1 November 1973: : AMNH: 1 [1 - **1**] - 27 November 1973: : AMNH: 1 [1 - **1**] - 28 November 1973: : AMNH: 1 [1 - **1**] - 17 December 1973: : AMNH: 1 [1 - **1**] - 19 December 1973: : AMNH: 2 [2 - **2**] - 15 April 1974: : AMNH: 1 [1 - **1**] - 24 April 1974: : AMNH: 1 [1 - **1**] - 15 May 1974: : AMNH: 1 [1 - **1**] - 16 December 1974: : AMNH: 1 [1 - **1** - **34**].
Zinave NP: Collection Date Unknown: ?: Collector Unknown: NHMZ: 9 [9 - **9** - **9**].
Zinave NP, 3 km SSW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 11 [11 - **11** - **11**].
Zinave NP, 9 km SSW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Zinave NR: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Zinave, 2 km S: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 2 December 1973: : AMNH: 1 [1 - **1** - **2**].
Zinave, 2 km SW: 28 November 1973: : AMNH: 1 [1 - **1** - **1**].
Zinave, 3 km SW: 24 November 1973: : AMNH: 2 [2 - **2** - **2**].
Zinave, 30 mi NE: 12 October 1968: Van Gelder, Richard George: AMNH: 1 [1 - **1** - **1**].
Zinave, 5 km W: 23 November 1973: : AMNH: 3 [3 - **3** - **3**].
Zinave-NP: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Zlnave NP: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Total Specimens for Mozambique: 2113

Namibia

Unknown locality: Collection Date Unknown: BMNH: 9, SMF: 7, SMW: 2 [18]; Hoesch, W.: FMNH: 7 [7]; Kühn: ZMB: 1 [1]; Lester, L.A.: LACM: 1 [1]; Lootens, P.: RMCA: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: MMK: 1, TM: 4 [5]; Shortridge, Guy Chester: SAMC: 1 [1]; Zumpt, Frits Konrad Ernst: SMNS: 3 [3 - **38**] - 1 December 1859: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 10 August 1937: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 September 1941: Roberts, Austin: TM: 1 [1 - **1**] - 16 July 1964: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 August 1964: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 January 1966: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 October 1966: Coetzee, C.G.: MMK: 1 [1 - **1**] - 26 October 1972: ?: Collector Unknown: QM: 1 [1 - **1**] - 25 November 1972: ?: Collector Unknown: QM: 1 [1 - **1**] - 6 October 1977: ?: Collector Unknown: QM: 1 [1 - **1**] - 4 November 1977: ?: Collector Unknown: QM: 1 [1 - **1**] - 15 November 1977: ?: Collector Unknown: QM: 1 [1 - **1**] - 30 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: MMK: 2, TM: 1 [3 - **3**] - 31 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: MMK: 1 [1 - **1**] - 12 September 1999: ?: Collector Unknown: SMF: 2 [2 - **2** - **57**].
12 mi [= 19 km] E Windhoek,Finkenstein Farm: 7 December 1947: Larson, Thomas ("Tom"): MVZ: 9 [9 - **9**] - 11 December 1947: Larson, Thomas ("Tom"): MVZ: 2 [2 - **2**] - 12 December 1947: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1**] - 13 December 1947: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1**] - 25 December 1947: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1**] - 23 January 1948: Larson, Thomas ("Tom"): MVZ: 2 [2 - **2** - **16**].
Algamas cave, Grootfontein: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Alte Fest: 17 November 1979: Buys, P.J.: SMW: 1 [1 - **1** - **1**].
Alte Feste: Collection Date Unknown: Strauss, H.: SMW: 5 [5 - **5** - **5**].
Andara, Okavango: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Andara,Okavango: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Andorosa Falls: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Ariemsvlei: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Arnhem cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 9, SMW: 7 [16 - **16** - **16**].
Arnhem, 80 km E: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].
Aus, 1 km W: 1 September 1981: Visser, John: TM: 1 [1 - **1** - **1**].
Aus, 22 km E: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Aus, 3 km W: Collection Date Unknown: ?: Collector Unknown: SMW: 3 [3 - **3** - **3**].
Autabib 100: 18 April 1975: Griffin, M.R.: LACM: 3 [3 - **3** - **3**].
Bats Hole: 1 June 1978: Coetzee, C.G.: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **4** - **4**].
Bat's hole [=Bats cave]: 1 June 1978: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Beenbreck: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Berseba: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 2 [2]; Sordahl, L.O.: USNM: 1 [1 - **3**] - 29 October 1930: Sordahl, L.O.: USNM: 4 [4 - **4** - **7**].
Bethanie, E: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Bethanien district: Collection Date Unknown: Leinweber: ZMB: 1 [1 - **1** - **1**].
Bezarode Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Brandberg Wes Mine: 15 October 1979: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]; Simoes, A.P.: SMW: 1 [1 - **1** - **1**].
Buffalo Camp, Kavango R.: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Chobe River Farm: 9 August 1949: Carp, B.: TM: 1 [1 - **1** - **1**].
Cunene Falls: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 2 [2 - **2** - **2**].
Cunene River: 26 September 1924: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].
Daan Viljoen NP: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].
Daan Viljoen Park: 24 May 1970: Clinning, C.F.: SMW: 1 [1 - **1** - **1**].
Damaraland: Collection Date Unknown: Alexander: BMNH: 1 [1]; Beck: ZMB: 1 [1]; Higgins: ZMB: 3 [3 - **5** - **5**].
Dante Cave: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
De Start 1014: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
De Valle: Collection Date Unknown: ?: Collector Unknown: SMW: 3 [3 - **3**] - 17 July 1893: Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]; Erasmus, H.: SMW: 1 [1 - **1**] - 16 February 1959: Niethammer, Günther: ZFMK: 5 [5 - **5**] - 17 July 1983: Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]; Erasmus, H.: SMW: 11 [11 - **11** - **20**].
Diamond Area 1: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].
Diyogha: Collection Date Unknown: Benda, Petr: NMP: 2 [2 - **2** - **2**].
Dosa: 13 November 1983: Griffin, M.R.; Wallis, V.: USNM: 1 [1 - **1** - **1**].
Dose Pan: Collection Date Unknown: ?: Collector Unknown: SMW: 3, USNM: 1 [4 - **4** - **4**].
Driekrone 516: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Dumushe water: 7 October 1983: Coetzee, C.G.: TM: 6 [6 - **6** - **6**].
E Kamombonde 86: 6 January 1975: Lester, L.A.: LACM: 6 [6 - **6**] - 7 January 1975: Lester, L.A.: LACM: 9 [9 - **9** - **15**].
E. Kamombonde 86: Collection Date Unknown: Lester, L.A.: LACM: 1 [1 - **1**] - 6 January 1975: Lester, L.A.: AMNH: 1 [1 - **1** - **2**].
Eausiro W 100: 9 January 1975: Lester, L.A.: LACM: 1 [1 - **1** - **1**].
Eenhana: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Ehomba: 3 September 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].
Eindopaal: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].

Eiseb R: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2**] - 3 March 1989: Pallett, J.R.; Maluleke, Elvis: SMW: 2 [2 - **2**] - 4 March 1989: Pallett, J.R.; Maluleke, Elvis: SMW: 4 [4 - **4**] - 5 March 1989: Pallett, J.R.; Maluleke, Elvis: SMW: 4 [4 - **4** - **12**].
Eiseb R, Therosvallei: 8 March 1989: Pallett, J.R.; Maluleke, Elvis: SMW: 2 [2 - **2** - **2**].
Eliem 163: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Elseb R.: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Epupa Falls: 23 October 1964: ?: Collector Unknown: TM: 2 [2 - **2**] - 23 October 1966: ?: Collector Unknown: TM: 2 [2]; Buys; Coetzee, C.G.: TM: 1 [1 - **3** - **5**].
Erongorus Usakos: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 5 July 1966: Coetzee, C.G.: TM: 1 [1 - **1**] - 4 October 1966: Coetzee, C.G.: TM: 2 [2 - **2**] - 5 October 1966: Coetzee, C.G.: TM: 13 [13 - **13** - **17**].
Etaneno 44: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Etosha NP: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Etosha NP, Halali: Collection Date Unknown: ?: Collector Unknown: SMW: 3 [3 - **3** - **3**].
Etosha NP, Namutoni: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].
Etosha NP, Okaukuejo: Collection Date Unknown: ?: Collector Unknown: SMW: 3 [3 - **3** - **3**].
Etosha NP, Ombika Gate: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Etosha NP,Okaukuejo: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].
Etosha Pan: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 4 [4 - **4** - **4**].
Etosha-NP, Okaukuejo: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Evergreen campsite: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 19 September 2008: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 3 [3 - **3** - **4**].
Farm 397: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Farm Aandster 147: Collection Date Unknown: : SMW: 1 [1 - **1** - **1**].
Farm Arnhem [=Arnem]: 19 October 1966: Coetzee, C.G.: TM: 1 [1 - **1**] - 29 October 1966: Coetzee, C.G.: TM: 23 [23 - **23** - **24**].
Farm Driekrone 516: 24 July 1980: Coetzee, C.G.: SMW: 4 [4 - **4** - **4**].
Farm Eindpaal 429: 26 May 1977: ?: Collector Unknown: SMW: 7 [7 - **7** - **7**].
Farm Eindpaal 429 [= Eindopaal]: 26 May 1977: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Farm Etaneno 44: 1 July 1978: Simoes, A.P.: SMW: 2 [2 - **2** - **2**].
Farm Etaneo 44: 1 July 1978: Simoes, A.P.: SMW: 1 [1 - **1** - **1**].
Farm Geduld 111: 22 October 1982: Swanepoel, Pierre: KM: 1 [1 - **1** - **1**].
Farm Ghaub 47: 23 November 1972: Lester, L.A.: LACM: 1 [1 - **1**] - 27 November 1972: Lester, L.A.: LACM: 10 [10 - **10** - **11**].
Farm Huns 106: 3 October 1980: Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]: SMW: 1 [1 - **1**] - 31 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Coetzee, C.G.: SMW: 3 [3 - **6** - **7**].
Farm Kanaän: 27 April 1977: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 28 April 1977: Schlitter, Duane Albert: CM: 2 [2 - **2**] - 29 April 1977: Schlitter, Duane Albert: CM: 5 [5 - **5**] - 30 April 1977: Schlitter, Duane Albert: CM: 2 [2 - **2**] - 3 May 1977: Schlitter, Duane Albert: TM: 2 [2 - **2** - **12**].
Farm Kanabeam 331: 9 June 2001: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Farm Musterland 113: 23 October 1982: Swanepoel, Pierre: KM: 1 [1 - **1** - **1**].
Farm Okandukaseibe 27: Collection Date Unknown: Lester, L.A.: LACM: 1 [1 - **1**] - 10 November 1972: Lester, L.A.: LACM: 1 [1 - **1** - **2**].
Farm Okosongomingo 148: 19 November 1972: Lester, L.A.: LACM: 1 [1 - **1** - **1**].
Farm Ombarahewa 22: 3 November 1982: Joubert, K.: KM: 8 [8 - **8**] - 4 November 1982: Joubert, K.: KM: 1 [1 - **1**] - 5 November 1982: Swanepoel, Pierre: KM: 1 [1 - **1** - **10**].
Farm Ombonde 616: 22 August 1984: Schlitter, Duane Albert: SMW: 1 [1]; Schlitter, Duane Albert; Coetzee, C.G.: SMW: 3 [3 - **4**] - 23 August 1984: Schlitter, Duane Albert; Coetzee, C.G.: SMW: 2 [2 - **2** - **6**].
Farm Opelo Sud 39: 9 May 1983: Swanepoel, Pierre: KM: 2 [2 - **2**] - 10 May 1983: Swanepoel, Pierre: KM: 1 [1 - **1**] - 11 May 1983: Swanepoel, Pierre: KM: 1 [1 - **1**] - 13 May 1983: Swanepoel, Pierre: KM: 1 [1 - **1** - **5**].
Farm Otjikoko Sud 61 [Pipistrelle Cave]: 9 November 1984: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 10 [10 - **13** - **13**].
Farm Otjitambi 25: 26 October 1982: Swanepoel, Pierre: KM: 6 [6 - **6**] - 27 October 1982: Swanepoel, Pierre: KM: 3 [3]; Wallis; Haraseb; Eiseb; Coetzee, C.G.: SMW: 1 [1 - **4**] - 28 October 1982: Swanepoel, Pierre: KM: 13 [13 - **13** - **23**].
Farm Rheinvels: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3 - **3**] - 12 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 1 [1 - **1**] - 13 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 4 [4 - **4**] - 14 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 3 [3 - **3** - **11**].
Farm Sandfontein 468: Collection Date Unknown: ?: Collector Unknown: KM: 13 [13 - **13** - **13**].
Farm Schwarzerfels 33: 2 November 1982: Swanepoel, Pierre: KM: 1 [1 - **1**] - 3 November 1982: Joubert, K.: KM: 4 [4]; Swanepoel, Pierre: KM: 3 [3 - **7**] - 4 November 1982: Joubert, K.: KM: 6 [6 - **6** - **14**].
Farm Sissekab: 1 July 1964: : SMF: 1 [1 - **1** - **1**].
Farm Waterberg 416: 9 July 1968: Buys, P.J.: SMW: 1 [1 - **1** - **1**].
Farm Welverdiend 328: 14 October 1972: Lester, L.A.: LACM: 3 [3 - **3**] - 15 October 1972: Lester, L.A.: LACM: 3 [3 - **3** - **6**].
Farm Witwatersrand 521, near Granite kop: 24 July 1980: Coetzee, C.G.: SMW: 4 [4 - **4** - **4**].
Farm Zwartmodder 101: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5 - **5**] - 3 November 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 32 [32 - **32**] - 4 November 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 5 November 1984: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 13 [13 - **14**] - 7 November 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 3 November 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **54**].
Felseneck/Naukluft: 16 February 1959: Hoesch, W.: ZFMK: 1 [1 - **1**] - 18 February 1959: Hoesch, W.: ZFMK: 4 [4 - **4** - **5**].
Fish River Canyon: Collection Date Unknown: ?: Collector Unknown: KM: 1 [1 - **1** - **1**].
Friedrichswald: 1 January 1955: Hoesch, W.: FMNH: 9 [9 - **9** - **9**].
Gam: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 19 August 1952: Handley, Charles O.: USNM: 1 [1 - **1**] - 26 August 1952: Handley, Charles O.: USNM: 1 [1 - **1** - **3**].
Gam Waterhole: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 17 September 1983: Griffin, M.R.: USNM: 5 [5 - **5** - **6**].

Ganab Waterhole: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1]; Schlitter, Duane Albert: USNM: 1 [1 - **2**] - 3 December 1969: Schlitter, Duane Albert: USNM: 4 [4 - **4**] - 30 May 1978: Coetzee, C.G.; Simoes, A.P.; Rautenbach, Ignatius Lourens [=Naas]: SMW: 2 [2 - **2** - **8**].
Gaucha: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Gcangcu: Collection Date Unknown: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Geiersberg: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Gemsbok Pan: 2 May 1930: Lang, Herbert; Vernay Expedition, The: TM: 1 [1 - **1** - **1**].
Ghaub Farm: Collection Date Unknown: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Goas: 1 April 1993: Lootens, P.: RMCA: 1 [1 - **1** - **1**].
Gobabeb: Collection Date Unknown: Schlitter, Duane Albert: USNM: 1 [1 - **1**] - 22 November 1963: Cole, Ronald E.: USNM: 1 [1 - **1**] - 25 November 1963: Cole, Ronald E.: USNM: 1 [1 - **1**] - 6 December 1969: Schlitter, Duane Albert: USNM: 4 [4 - **4**] - 8 December 1969: Schlitter, Duane Albert: USNM: 2 [2 - **2** - **9**].
Gobabeb, Namib Desert: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2, SMW: 3, USNM: 1 [6 - **6** - **6**].
Gobabis: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Gobabls: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Gobabls, 70 km NE: Collection Date Unknown: ?: Collector Unknown: LACM: 2 [2 - **2** - **2**].
Goodhouse: 2 January 1937: Shortridge, Guy Chester: MCZ: 1 [1 - **1** - **1**].
Gorraris 99: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Gorrarts 99: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Gorrasis: 10 February 1973: Baker, Rollin Harold: MSU: 4 [4 - **4**] - 11 February 1973: Baker, Rollin Harold: MSU: 1 [1 - **1**] - 12 February 1973: Baker, Rollin Harold: MSU: 1 [1 - **1** - **6**].
Great Brukoros Mountains: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].
Great Ombathu: 18 September 1927: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].
Grootfontein: Collection Date Unknown: Volkmann: ZMB: 2 [2 - **2** - **2**].
Grootfontein, 25 km SE: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Grootfontein, 40 km WNW: Collection Date Unknown: ?: Collector Unknown: LACM: 4 [4 - **4** - **4**].
Grootfontein, NE: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Grootfontein, NW: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Gross Barmen: Collection Date Unknown: Hahn: ZMB: 1 [1 - **1** - **1**].
Halali Camp: 8 April 1983: van der Merwe, G.: TM: 2 [2 - **2** - **2**].
Harisib: 18 May 1954: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Helmeringshausen: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Hoanib R., floodplain: 28 January 1988: Braby, R.: SMW: 4 [4 - **4** - **4**].
Hoasas: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].
Hoba 322: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Hoba 322, Grootfontein: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Hohewarte Farm: 4 January 1948: Larson, Thomas ("Tom"): MVZ: 22 [22 - **22** - **22**].
Hot Spring: 21 October 1928: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
in Villa...: 10 March 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Jack Scott Bridge: 16 October 1979: Coetzee, C.G.; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Kake, Okavango: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Kako, Otavi: 1 June 1951: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Kano valley: 10 April 1929: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].
Kaoko Otavi: 28 June 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - 1 July 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - 3 July 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - 18 June 1951: Carp Expedition 1951, The: TM: 1 [1 - **1** - **4**].
Kaoko Veld, southern part: Collection Date Unknown: Hoesch, W.: FMNH: 17 [17 - **17** - **17**].
Kaoko-Otavi: 17 June 1927: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 September 1927: Shortridge, Guy Chester: KM: 1 [1 - **1** - **2**].
Karakuwisa: 26 April 1929: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 15 July 1964: Buys, P.J.: SMW: 4 [4 - **4**] - 16 July 1964: Rau, R.: SMF: 1 [1 - **1** - **6**].
Karibib: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : KM: 1 [1]; Shortridge, Guy Chester: BMNH: 5 [5 - **7**] - 1 October 1905: Kuhn: SMNS: 1 [1 - **1**] - 29 October 1923: Shortridge, Guy Chester: KM: 1 [1]; Shortridge, Guy Chester; Sladen, Percy: BMNH: 2 [2 - **3**] - 9 November 1923: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 22 August 1967: Mittendorf, H.: ZFMK: 1 [1 - **1**] - 27 August 1967: Mittendorf, H.: ZFMK: 3 [3 - **3** - **16**].
Karibib or Okahandja: 1 January 1952: Gaerdes, F.: SMF: 1 [1 - **1** - **1**].
Karochos: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Karolinenhof: 17 October 1925: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 10 December 1925: ?: Collector Unknown: KM: 1 [1 - **1**] - 16 December 1925: Shortridge, Guy Chester: KM: 2 [2 - **2**] - 17 December 1925: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **5**].
Katima Mulilo: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1]; : KM: 1 [1 - **2** - **2**].
Katima Mulllo: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Katimo Mulllo: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kaudom GR: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Keetmannshoop: 6 March 1909: Burmester: ZMH: 1 [1 - **1**] - 20 May 1931: Sordahl, L.O.: USNM: 1 [1 - **1** - **2**].
Keetmanshoop: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Keetmanshoop district [= Damaraland]: Collection Date Unknown: Haagner, Sigmund: TM: 1 [1 - **1** - **1**].
Keetmanshoop, 35 km SSW: Collection Date Unknown: : TM: 1 [1 - **1** - **1**].
Kleepfortella: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Klein Aus Farm 8: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **3**] - 30 October 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8**] - 31 October 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 10 [10 - **10**] - 1 November 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6]; Schlitter, Duane Albert: CM: 1 [1 - **7** - **28**].
Klein Namutoni [=Sandup]: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].
Klein Okombhe, Omaruru: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Klein Windhoek: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Tree, A.J.: SMW: 1 [1 - **2**] - 11 October 1933: Burrard, C.; Jordan, Karl: BMNH: 2 [2 - **2** - **4**].

Kobos: 25 March 1966: Silberstein, A.R.: USNM: 2 [2 - **2** - **2**].
Kochina: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 10 August 1937: ?: Collector Unknown: BRTC: 1, TM: 8 [9 - **9** - **10**].
Koës: Collection Date Unknown: Sporneck: ZMB: 1 [1 - **1** - **1**].
Koes, 89 km ENE: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Kongola ferry area: 29 September 1970: Kemp, H.: TM: 1 [1 - **1** - **1**].
Kriess/white Rand: 15 February 1954: Hoesch, W.: FMNH: 1 [1 - **1** - **1**].
Kuibis: Collection Date Unknown: Ränge: ZMB: 1 [1 - **1** - **1**].
Kuiseb River: 21 May 1965: White, A.G.: TM: 1 [1 - **1**] - 27 October 1965: White, A.G.: TM: 1 [1 - **1** - **2**].
Kwetche, Kavango R: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Lianshulu: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].
Liebig's Ranch: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 9 July 1937: Barlow: TM: 3 [3 - **3** - **5**].
Lisikili, lake: 17 July 1952: Smithers, Reay Henry Noble: TM: 1 [1 - **1** - **1**].
Litembo: 20 January 1914: Lademann: ZMB: 5 [5 - **5** - **5**].
Makuri pan, 9 km W: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Makuri Pan, Bushmanland: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Maltahohe: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Maltahohe district: Collection Date Unknown: : CM: 1 [1 - **1** - **1**].
Maltahohe, 110 km WSW: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].
Marienthal: 1 June 1960: Rau, R.: SMF: 1 [1 - **1** - **1**].
Mbambi: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].
Mount Brukaros: 8 March 1930: Sordahl, L.O.: USNM: 1 [1 - **1**] - 25 March 1930: Sordahl, L.O.: USNM: 1 [1 - **1**] - 14 May 1930: Sordahl, L.O.: USNM: 4 [4 - **4**] - 14 May 1931: Sordahl, L.O.: USNM: 5 [5 - **5** - **11**].
Mount Raupenhelm, near: 1 May 1951: Hoesch, W.: FMNH: 12 [12 - **12** - **12**].
Muckwe: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].
Mudumu NP, Horseshoe Bend: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Munsterland: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Nama pan [=Nama dam]: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 15 March 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].
Nama Pan, Bushmanland: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Namib Desert Research Station: 8 December 1969: Schlitter, Duane Albert: USNM: 1 [1 - **1**] - 11 December 1969: Schlitter, Duane Albert: USNM: 1 [1 - **1** - **2**].
Namib Park, Ganab water hole: 30 May 1978: Rautenbach, Ignatius Lourens [=Naas]; Coetzee, C.G.: TM: 2 [2 - **2**] - 31 May 1978: Rautenbach, Ignatius Lourens [=Naas]; Coetzee, C.G.: TM: 2 [2 - **2** - **4**].
Namibia Desert Research Station [= DERU]: Collection Date Unknown: ?: Collector Unknown: NHMZ: 11 [11 - **11**] - 20 November 1963: Cole, Ronald E.: USNM: 2 [2]; Risser, A.C.: USNM: 2 [2 - **4**] - 22 November 1963: Cole, Ronald E.: USNM: 1 [1 - **1**] - 24 November 1963: Cole, Ronald E.: USNM: 1 [1 - **1**] - 22 October 1965: Coetzee, C.G.: TM: 2 [2]; Haacke, W.D.: TM: 1 [1 - **3**] - 27 February 1972: Roer, Hubert: BMNH: 1 [1 - **1**] - 28 February 1975: ?: Collector Unknown: NHMZ: 1 [1]; Wright, Peter J.: NHMZ: 1 [1 - **2**] - 1 August 1977: Richardson, P.: TM: 12 [12 - **12** - **35**].
Namibi-Naukluft NR: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Namib-Naukluft NP, Bat's Hole: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].
Nampini: 7 July 1949: Carp, B.: KM: 1 [1 - **1**] - 7 August 1949: Carp, B.: TM: 1 [1 - **1**] - 9 August 1949: ?: Collector Unknown: TM: 1 [1]; Arends, Nicholas P.: AMNH: 1 [1]; Carp, B.: KM: 1, TM: 3 [4 - **6** - **8**].
Namutoni: 12 October 1918: ?: Collector Unknown: TM: 1 [1 - **1**] - 2 April 1919: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Nasib: 18 May 1954: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Nassengehöhle: Collection Date Unknown: Glauning: ZMB: 1 [1 - **1** - **1**].
Neuhof-Kowas Farm: Collection Date Unknown: Viereck, A.: SMF: 2 [2 - **2** - **2**].
New Dam: 13 October 1941: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Ngweze: Collection Date Unknown: Balme, F.N.: KM: 1 [1 - **1** - **1**].
Nuichan [=Nuitsas]: Collection Date Unknown: Lorch: ZMB: 1 [1 - **1**] - 22 March 1929: Shortridge, Guy Chester: MCZ: 1 [1 - **1** - **2**].
Nuitsas: 22 March 1929: Shortridge, Guy Chester: BMNH: 3, KM: 2 [5 - **5**] - 23 March 1929: Shortridge, Guy Chester: BMNH: 2, KM: 4 [6 - **6**] - 24 March 1929: Shortridge, Guy Chester: BMNH: 2, KM: 1 [3 - **3**] - 26 March 1929: Shortridge, Guy Chester: BMNH: 2 [2 - **2**] - 31 March 1929: Shortridge, Guy Chester: BMNH: 1, KM: 1 [2 - **2** - **18**].
Nuitsas Farm: Collection Date Unknown: Fock: ZMH: 1 [1 - **1** - **1**].
Numkaub: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Nyangana: Collection Date Unknown: Benda, Petr: NMP: 2 [2 - **2** - **2**].
Oakwengaga: 20 December 1994: Lootens, P.: RMCA: 5 [5 - **5** - **5**].
Oas: Collection Date Unknown: Pöch, Rudolf: NMW: 2 [2]; Shortridge, Guy Chester: BMNH: 2 [2 - **4**] - 28 March 1908: Pöch, Rudolf: NMW: 1 [1 - **1** - **5**].
Oberdorf, Bethanie: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Ohopoho: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1**] - 29 June 1951: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Okadjessoambo: 9 November 1953: Hoesch, W.: FMNH: 1 [1 - **1** - **1**].
Okahandja: Collection Date Unknown: ?: Collector Unknown: SMF: 1 [1]; Dinter: ZMB: 2 [2]; Fock: ZMH: 1 [1]; Gaerdes, F.: SMF: 1 [1]; Niethammer, Günther: ZFMK: 1 [1 - **6**] - 15 March 1934: Hoesch, W.: ZFMK: 1 [1 - **1**] - 31 March 1934: Hoesch, W.: ZFMK: 1 [1 - **1**] - 3 April 1934: Hoesch, W.: ZFMK: 1 [1 - **1**] - 4 April 1934: Hoesch, W.: ZFMK: 1 [1 - **1**] - 1 December 1948: Gaerdes, F.: FMNH: 1 [1 - **1**] - 1 January 1950: Hoesch, W.: FMNH: 14 [14 - **14**] - 1 February 1951: Hoesch, W.: FMNH: 2 [2 - **2**] - 1 April 1951: Hoesch, W.: FMNH: 11 [11 - **11**] - 1 January 1962: : SMF: 1 [1 - **1**] - 1 January 1964: ?: Collector Unknown: SMF: 1 [1]; : SMF: 1 [1 - **2** - **41**].
Okakarara: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Okambe, 10 mi NE: Collection Date Unknown: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **1**].
Okambe, 10 miles NE: Collection Date Unknown: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **1**].
Okashana: Collection Date Unknown: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Okatana: Collection Date Unknown: Lootens, P.: RMCA: 1 [1 - **1**] - 21 December 1994: Lootens, P.: RMCA: 2 [2 - **2**] - 1 May 1995: Lootens, P.: RMCA: 2 [2 - **2**] - 12 May 1995: Lootens, P.: RMCA: 2 [2 - **2** - **7**].

Okatjiho,Okahandja: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Okatumba SA197 [Farmstead]: 6 October 1977: Lester, L.A.: AMNH: 2 [2 - **2** - **2**].
Okatumba Sud: 4 October 1977: Simoes, A.P.: SMW: 4 [4 - **4** - **4**].
Okavango-Omataka junction: 1 July 1929: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].
Okavango-Omatako Junction: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Okongava: Collection Date Unknown: ?: Collector Unknown: SMW: 4 [4 - **4** - **4**].
Okorosave: 9 July 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - 12 July 1927: Shortridge, Guy Chester: FMNH: 2 [2 - **2**] - 13 July 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **4**].
Olifants Vlei: Collection Date Unknown: Anderson, 1: BMNH: 1 [1 - **1**] - 1 November 1899: Anderson, 1: BMNH: 1 [1 - **1** - **2**].
Olifant's Vlei [= Elephant Vlei / Vley]: 8 August 1859: Andersson, C.J.: BMNH: 1 [1 - **1**] - 10 August 1859: Andersson, C.J.: BMNH: 1 [1 - **1** - **2**].
Omaruru: Collection Date Unknown: : KM: 2 [2 - **2**] - 28 September 1941: Roberts, Austin: TM: 1 [1 - **1**] - 10 September 1950: Hoesch, W.: FMNH: 1 [1 - **1** - **4**].
Omaruru, 10 km SE: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Omaruru, 30 km NW: Collection Date Unknown: ?: Collector Unknown: LACM: 4 [4 - **4** - **4**].
Omaruru, 37 km N, 27 km W and 100 km W Eausiro: Collection Date Unknown: Lester, L.A.: LACM: 2 [2 - **2** - **2**].
Omatagous: 16 August 1931: Chapman, C.P.: TM: 1 [1 - **1** - **1**].
Ombalantu: Collection Date Unknown: ?: Collector Unknown: SMW: 3 [3]; : TM: 1 [1 - **4** - **4**].
Ombika: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Ombombo: Collection Date Unknown: Ipa; Shortridge, Guy Chester (Captain): ZMB: 1 [1 - **1**] - 30 May 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - 31 May 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - 2 June 1927: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 7 June 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - 12 June 1927: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **6**].
Ombonde: Collection Date Unknown: ?: Collector Unknown: SMW: 4 [4 - **4** - **4**].
Ombonde Farm 616: 22 August 1984: Schlitter, Duane Albert: CM: 2 [2 - **2**] - 23 August 1984: Schlitter, Duane Albert: CM: 2 [2 - **2**] - 24 August 1984: Schlitter, Duane Albert: CM: 2 [2 - **2** - **6**].
Ombu: Collection Date Unknown: ?: Collector Unknown: AMNH: 1 [1 - **1**] - 14 September 1941: Barlow TM-Expedition, The; Roberts, Austin: TM: 2 [2]; Roberts, Austin: TM: 3 [3 - **5**] - 17 September 1941: Barlow TM-Expedition, The; Roberts, Austin: TM: 2 [2]; Roberts, Austin: TM: 2 [2 - **4**] - 18 September 1941: ?: Collector Unknown: BRTC: 1 [1]; : SMF: 1 [1]; Barlow TM-Expedition, The; Roberts, Austin: TM: 4 [4]; Roberts, Austin: FMNH: 1, TM: 2 [3 - **9**] - 19 September 1941: ?: Collector Unknown: TM: 1 [1]; Barlow TM-Expedition, The; Roberts, Austin: TM: 3 [3]; Roberts, Austin: TM: 4 [4 - **8**] - 20 September 1941: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin: TM: 3 [3 - **4**] - 22 September 1941: Roberts, Austin: SMF: 1, TM: 10 [11 - **11**] - 21 June 1961: : SMF: 1 [1 - **1**] - 4 October 1966: Coetzee, C.G.: TM: 1 [1]; Coetzee, C.G.; Seete, J.; Buys, P.; Joint TM-State Museum Expedition: TM: 4 [4 - **5**] - 5 October 1966: Coetzee, C.G.: TM: 2 [2]; Coetzee, C.G.; Seete, J.; Buys, P.; Joint TM-State Museum Expedition: TM: 5 [5 - **7** - **55**].
Omburo [=Omburu]: Collection Date Unknown: Schinz, Heinrich Rudolph: ZMB: 1 [1 - **1**] - 14 September 1944: Roberts, Austin: TM: 1 [1 - **1** - **2**].
Omega: Collection Date Unknown: ?: Collector Unknown: SMW: 4, TM: 1 [5 - **5**] - 20 November 1971: Coetzee, C.G.: SMW: 1 [1 - **1**] - 20 November 1979: Coetzee, C.G.: SMW: 1 [1 - **1**] - 9 April 1990: Pallett, J.R.: SMW: 1 [1 - **1** - **8**].
Omega, 12 km E: 9 April 1999: Pallett, J.R.: SMW: 3 [3 - **3** - **3**].
Omuramba Khaundum, S Fork near junction with N Fork: 6 October 1977: Lester, L.A.: LACM: 1 [1 - **1** - **1**].
Omuramba, Omatako: 6 August 1964: Buys, P.J.: SMW: 3 [3 - **3** - **3**].
Ondangua: 17 October 1924: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 24 October 1924: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 26 October 1924: Shortridge, Guy Chester: BMNH: 1, KM: 1 [2]; Shortridge, Guy Chester; Sladen, Percy: BMNH: 1 [1 - **3** - **5**].
Ondongera: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].
Ondongwa: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 7 [7 - **7** - **7**].
Onguma: 26 October 1936: Hoesch, W.: MCZ: 1 [1 - **1** - **1**].
Opuwo: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Opuwo, 70 km NW: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Opuwo, 70 km S: Collection Date Unknown: ?: Collector Unknown: LACM: 6 [6 - **6** - **6**].
Opuwo, E: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Opuwo, N: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Opuwo, S: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].
Opuwo, SE: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Orongo Water Affairs Camp: 11 June 1970: Coetzee, C.G.: SMW: 4 [4 - **4** - **4**].
Orongo Water Camp: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Orumpembe: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Oserikari: 10 August 1941: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Oshikanga: 29 May 1937: Barlow: TM: 1 [1]; Barlow TM-Expedition, the: TM: 4 [4 - **5** - **5**].
Oshikango: 18 November 1947: Larson, Thomas ("Tom"): MVZ: 15 [15 - **15**] - 17 May 1958: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **16**].
Osjitambi farm: 1 March 1951: Hoesch, W.: FMNH: 2 [2 - **2** - **2**].
Otavi, 8 km S: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Otgrot: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Otjihavera: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Otjihua 180: 6 October 1977: Lester, L.A.: LACM: 30 [30 - **30** - **30**].
Otjihua 182: 6 October 1977: Lester, L.A.: LACM: 1 [1 - **1** - **1**].
Otjihua 185: 6 October 1977: Lester, L.A.: LACM: 16 [16 - **16** - **16**].
Otjikoko: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Otjikoko Sud 61: 9 November 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].
Otjikoko-Sud: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].
Otjimbingue: Collection Date Unknown: Hahn: ZMB: 12 [12 - **12**] - 7 October 1966: Coetzee, C.G.: TM: 3 [3 - **3**] - 9 October 1966: Coetzee, C.G.: TM: 1 [1 - **1**] - 11 October 1966: Coetzee, C.G.: TM: 2 [2 - **2** - **18**].
Otjimbingwe: 4 October 1966: ?: Collector Unknown: TM: 1 [1 - **1**] - 7 October 1966: ?: Collector Unknown: TM: 6 [6 - **6** - **7**].
Otjimbojo: 9 September 1938: Niethammer, Günther: ZFMK: 2 [2 - **2** - **2**].

Otjitotongwe Farm: Collection Date Unknown: Benda, Petr: NMP: 1 [1 - **1** - **1**].
Otjitundua: 30 April 1927: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 1 May 1927: Shortridge, Guy Chester: BMNH: 3 [3 - **3**] - 2 May 1927: ?: Collector Unknown: DNSM: 1 [1]; Shortridge, Guy Chester: BMNH: 5, FMNH: 1, KM: 5 [11 - **12**] - 3 May 1927: Shortridge, Guy Chester: BMNH: 1, FMNH: 2, KM: 1 [4 - **4**] - 6 May 1927: Shortridge, Guy Chester: BMNH: 4, KM: 1, MCZ: 1 [6 - **6**] - 7 May 1927: Shortridge, Guy Chester: BMNH: 1, KM: 1 [2 - **2**] - 8 May 1927: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 12 May 1927: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 15 May 1927: ?: Collector Unknown: DNSM: 1 [1]; Shortridge, Guy Chester: BMNH: 1, KM: 1, MCZ: 1 [3 - **4**] - 16 May 1927: Shortridge, Guy Chester: FMNH: 1, MCZ: 1 [2 - **2**] - 17 May 1927: Shortridge, Guy Chester: BMNH: 3 [3 - **3**] - 20 May 1927: Shortridge, Guy Chester: BMNH: 4, FMNH: 1, KM: 1 [6 - **6** - **45**].
Otjiwarongo: Collection Date Unknown: : KM: 4 [4 - **4** - **4**].
Otjiwarongo, 60 km SE: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Otjlhauera: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Otjoro [=Otjihoro]: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; Andersson; Tomes: ZMB: 1 [1 - **3** - **3**].
Otjosangombe: 29 November 1936: Hoesch, W.: MCZ: 3 [3 - **3**] - 30 November 1936: Hoesch, W.: MCZ: 1 [1 - **1**] - 3 December 1936: Hoesch, W.: MCZ: 3 [3 - **3**] - 15 December 1936: Hoesch, W.: MCZ: 1 [1 - **1**] - 3 January 1937: Hoesch, W.: MCZ: 1 [1 - **1** - **9**].
Otjosongombe: 8 November 1933: Hoesch, W.: BMNH: 1 [1 - **1** - **1**].
Otjosongombe, Waterberg: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Otjovasando: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Otjozondjupa: Collection Date Unknown: ?: Collector Unknown: KM: 2 [2 - **2** - **2**].
Otjumbumbi: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 2, KM: 1 [3 - **3**] - 24 September 1924: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **4**].
Outjo: Collection Date Unknown: : KM: 1 [1]; Zumpt, Frits Konrad Ernst: BMNH: 3, SMNS: 2 [5 - **6** - **6**].
Outjo, 40 km NE: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Outjo, NW: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Outjo, SW: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2]; : KM: 2 [2 - **4** - **4**].
Outjo, W: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Papa Falls: 20 November 1979: Coetzee, C.G.: SMW: 1 [1 - **1** - **1**].
Pioniers Park: 19 May 1980: Penrith, M.J.: SMW: 1 [1 - **1** - **1**].
Pipistrelle Cave: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].
Poppa rapids: 12 April 1970: Haacke, W.D.: TM: 1 [1 - **1** - **1**].
Qoabendus: 22 March 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **1**].
Quickborn: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2]; Bradfield, R.D.: TM: 1 [1 - **3**] - 17 October 1922: Bradfield, R.D.: TM: 1 [1 - **1**] - 1 November 1922: Bradfield, R.D.: TM: 1 [1 - **1**] - 31 March 1923: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 April 1924: ?: Collector Unknown: TM: 1 [1 - **1** - **7**].
Rehderstal ranch: 14 October 1970: Van Gelder, Richard George: AMNH: 3 [3 - **3** - **3**].
Rehoboth: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 10 December 1950: Hoesch, W.: FMNH: 1 [1 - **1** - **2**].
Rehoboth, 20 km NW: Collection Date Unknown: ?: Collector Unknown: LACM: 3 [3 - **3** - **3**].
Richthoven: 1 April 1993: Lootens, P.: RMCA: 2 [2 - **2** - **2**].
Rooibank: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1**] - 19 May 1959: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Rosh Pinah: 30 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 17 [17]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Coetzee, C.G.: SMW: 7 [7 - **24** - **24**].
Rua Cana: 19 November 1965: Buys, P.J.: SMW: 1 [1 - **1** - **1**].
Ruacana: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Rundu [=Grootfontein] district: Collection Date Unknown: ?: Collector Unknown: KM: 3 [3 - **3** - **3**].
Rundu, 66 km S: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Rundu, 66 km S, 113 km E: 4 November 1977: Lester, L.A.: AMNH: 1 [1 - **1**] - 5 November 1977: Lester, L.A.: AMNH: 1 [1 - **1** - **2**].
Rundu, 75 km S: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Rundu, 75 km SE: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].
Rundu, E: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Rundu, S: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].
Rundu, SE: Collection Date Unknown: : KM: 4, TM: 1 [5 - **5** - **5**].
Samsitu campsite: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
San Michelle: Collection Date Unknown: ?: Collector Unknown: SMW: 5 [5 - **5** - **5**].
Sandfontein: 6 November 1925: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 12 November 1925: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Sangwali: 7 October 1970: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Sesfontein: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1]; Benda, Petr: NMP: 1 [1 - **2**] - 4 January 1979: Coetzee, C.G.: SMW: 1 [1 - **1**] - 21 March 1979: Simoes, A.P.: SMW: 4 [4 - **4**] - 22 March 1979: Simoes, A.P.: SMW: 1 [1 - **1**] - 23 March 1979: Simoes, A.P.: SMW: 4 [4 - **4**] - 23 May 1979: Simoes, A.P.: SMW: 1 [1 - **1** - **13**].
Sinclair Mine: Collection Date Unknown: ?: Collector Unknown: SMW: 3 [3 - **3** - **3**].
Sinclair Mine, Luderitz: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Skeleton Coast NP: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Skeleton Coast Park, Brandberg Wes Mine: 15 October 1979: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]; Simoes, A.P.: SMW: 1 [1 - **1**] - 18 October 1979: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]; Simoes, A.P.: SMW: 1 [1 - **1**] - 15 October 1980: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]; Simoes, A.P.: SMW: 1 [1 - **1** - **3**].
Sonnleiten 78: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].
Spitzkopje: Collection Date Unknown: Püschel: ZMB: 1 [1 - **1** - **1**].
Ssannakanu village: Collection Date Unknown: ?: Collector Unknown: KM: 8 [8 - **8**] - 13 June 1929: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **9**].
Ssanukanu: 29 May 1929: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 1 June 1929: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - 2 June 1929: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 3 June 1929: Shortridge, Guy Chester: BMNH: 2 [2 - **2**] - 4 June

1929: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 5 June 1929: Shortridge, Guy Chester: BMNH: 1, FMNH: 1 [2 - **2**] - 9 June 1929: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 10 June 1929: Shortridge, Guy Chester: BMNH: 1, FMNH: 1 [2 - **2**] - 11 June 1929: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - 13 June 1929: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **13**].

Swakopmund: 10 May 1959: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Swartbooidrift: 19 October 1966: Buys: TM: 1 [1 - **1** - **1**].

Swartbooisdrift: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1**] - 27 July 1927: Shortridge, Guy Chester: KM: 2 [2 - **2**] - 27 August 1927: Shortridge, Guy Chester: BMNH: 1, KM: 1 [2 - **2**] - 23 June 1951: Carp, B.: TM: 1 [1 - **1**] - 14 October 1971: Buys, P.J.: SMW: 1 [1 - **1** - **7**].

Swartkop: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5 - **5**] - 28 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Coetzee, C.G.: TM: 2 [2 - **3** - **8**].

Swartkop Diamond Area No.1: 28 October 1980: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 October 1980: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Talana: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].

Terrace Bay: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].

Tshimhaka: 25 July 1927: Shortridge, Guy Chester: BMNH: 2 [2 - **2**] - 27 July 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1**] - 27 August 1927: Shortridge, Guy Chester: FMNH: 1 [1 - **1** - **4**].

Tsotsana, 18 km W: 18 June 1971: Coetzee, C.G.: SMW: 1 [1 - **1** - **1**].

Tsumamas,Outjo: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].

Tsumkwe: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].

Tumasberg: 31 May 1978: Coetzee, C.G.: SMW: 1 [1 - **1** - **1**].

Twee Koppies: 30 October 1953: Hoesch, W.: AMNH: 1 [1 - **1** - **1**].

Uis: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].

Uis tin mine: 25 May 1967: Copley, R.B.: ROM: 6 [6]; Mumford, Russell E.: ROM: 3 [3 - **9** - **9**].

Ukualuisi: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 6 [6 - **6**] - 27 July 1924: Shortridge, Guy Chester: KM: 2 [2 - **2**] - 27 August 1924: Shortridge, Guy Chester; Sladen, Percy: BMNH: 1 [1 - **1**] - 14 October 1924: Shortridge, Guy Chester: KM: 1 [1]; Shortridge, Guy Chester; Sladen, Percy: BMNH: 2 [2 - **3** - **12**].

Ukualukasi: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 15 [15 - **15**] - 24 September 1924: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 6 October 1924: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 7 October 1924: Shortridge, Guy Chester: BMNH: 2 [2 - **2**] - 8 October 1924: Shortridge, Guy Chester: BMNH: 2, KM: 4 [6 - **6**] - 9 October 1924: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 12 October 1924: Shortridge, Guy Chester: BMNH: 1, KM: 3 [4 - **4** - **30**].

Walfischbay [=Walvis Bay]: Collection Date Unknown: Belk: ZMB: 1 [1 - **1** - **1**].

Waterberg: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].

Waterberg 416: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].

Waterberg district: 11 July 1899: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].

Waterberg Plateau Park: 30 November 1936: Hoesch, W.: MCZ: 1 [1 - **1** - **1**].

Waterberg, 416: Collection Date Unknown: ?: Collector Unknown: SMW: 2 [2 - **2** - **2**].

Welverdien Farm 328: 11 August 1984: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].

Welverdiend 328: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].

West End: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].

Western Caprivi, Omega: 9 April 1990: Pallett, J.R.: SMW: 1 [1 - **1** - **1**].

Wilhelmstal, 47 km S: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].

Windhoek: Collection Date Unknown: ?: Collector Unknown: SMW: 3 [3]; : KM: 1 [1]; Lübbert: ZMB: 4 [4]; Shortridge, Guy Chester: BMNH: 1 [1 - **9**] - 14 November 1923: Shortridge, Guy Chester; Sladen, Percy: BMNH: 1 [1 - **1**] - 15 November 1923: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 15 July 1937: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 September 1952: Mertens, Robert: SMF: 1 [1 - **1**] - 15 April 1961: Zumpt, Frits Konrad Ernst: ZFMK: 2 [2 - **2**] - 30 December 1963: Yedmans: SMW: 1 [1 - **1**] - 9 March 1969: Mittendorf, H.: ZFMK: 3 [3 - **3**] - 6 October 1977: Lester, L.A.: LACM: 1 [1 - **1**] - 1 July 1991: Kompanje, Erwin J.O.: NMR: 2 [2 - **2**] - 27 March 1993: Lootens, P.: RMCA: 2 [2 - **2** - **24**].

Windhoek Hoerskloof: 2 December 1985: Coetzee, P.W.: SMW: 1 [1 - **1** - **1**].

Windhoek, 81 km SW: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].

Windhuk: Collection Date Unknown: Shortridge, Guy Chester: BMNH: 1 [1 - **1** - **1**].

Windpoort Farm 428, Tandala Ridge: 4 February 2011: Osborne, T.O.: CAS: 7 [7 - **7**] - 25 December 2011: Osborne, T.O.: CAS: 1 [1 - **1**] - 17 January 2012: Osborne, T.O.: CAS: 5 [5 - **5** - **13**].

Witvlei: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Witwatersrand: 8 July 1980: Coetzee, C.G.: SMW: 1 [1 - **1** - **1**].

Xnmakora: Collection Date Unknown: ?: Collector Unknown: SMW: 1 [1 - **1** - **1**].

Zwartmodder 101: Collection Date Unknown: ?: Collector Unknown: SMW: 3 [3 - **3**] - 3 November 1984: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]: SMW: 3 [3 - **3**] - 4 November 1984: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]: SMW: 6 [6 - **6**] - 5 November 1984: Coetzee, C.G.; Schlitter, Duane Albert; Rautenbach, Ignatius Lourens [=Naas]: SMW: 2 [2 - **2** - **14**].

Total Specimens for Namibia: 1571

Niger

Unknown locality: Collection Date Unknown: BMNH: 3 [3 - **3**] - 4 February 1921: Milet-Horsin, M.: MNHN: 1 [1 - **1**] - 1 June 1970: Koeman, J.H.: ZMA: 1 [1 - **1**] - 4 May 1980: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 19 May 1980: ?: Collector Unknown: BMNH: 1 [1 - **1** - **7**].

Agadem: 16 May 1973: Thys Van den Audenaerde, Dirk; Petiniot: RMCA: 21 [21 - **21** - **21**].

Arlit: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Batrakum: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Bilma: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Bolsi, 6 km NW: 12 May 1977: Pöche, R.M.: MVZ: 3 [3 - **3** - **3**].

Bourem: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 8 January 1928: ?: Collector Unknown: MNHN: 1 [1 - **1** - **2**].
Chirfa: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Diffa region: 1 June 1983: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
I-N-Gall: 16 March 1973: Petiniot; Verheyen, Walter N.: RMCA: 78 [78 - **78**] - 17 March 1973: Petiniot; Verheyen, Walter N.: RMCA: 1 [1 - **1**] - 18 March 1973: Petiniot; Verheyen, Walter N.: RMCA: 1 [1 - **1** - **80**].
Maradi: 1 January 1941: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 30 October 1976: : SMF: 3 [3]; Kock, Dieter: SMF: 5 [5 - **8**] - 31 October 1976: : SMF: 4 [4]; Kock, Dieter: SMF: 2 [2 - **6**] - 11 August 1977: Hoyt, R.: TTU: 1 [1]; Jones, John Knox: TTU: 14 [14 - **15**] - 12 August 1977: Jones, John Knox: TTU: 5 [5 - **5** - **36**].
Niamey: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7**] - 3 November 1965: Blancou, Lucien: MNHN: 1 [1 - **1**] - 9 November 1965: Blancou, Lucien: MNHN: 1 [1 - **1**] - 11 January 1969: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1**] - 29 October 1969: Laviolette, S.; *et al.*: ROM: 2 [2 - **2**] - 30 October 1969: Laviolette, S.; *et al.*: ROM: 1 [1]; Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **2**] - 31 October 1969: Laviolette, S.; *et al.*: ROM: 5 [5]; Laviolette, S.; Cunningham, G.: ROM: 2 [2 - **7**] - 1 November 1969: Laviolette, S.; *et al.*: ROM: 3 [3]; Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **4**] - 2 November 1969: Laviolette, S.; *et al.*: ROM: 7 [7 - **7**] - 3 November 1969: Laviolette, S.; *et al.*: ROM: 9 [9 - **9**] - 25 May 1977: Pöche, R.M.: MVZ: 8 [8 - **8**] - 24 July 1977: Pöche, R.M.: MVZ: 2 [2 - **2**] - 4 August 1977: G.A.L.: MVZ: 1 [1]; Pöche, R.M.: MVZ: 3 [3 - **4** - **55**].
Niamey, 12.9 km W: 28 November 1969: Laviolette, S.; Cunningham, G.: ROM: 1 [1 - **1** - **1**].
Niamey, 25 km S: 18 January 1966: Dube, R.: USNM: 1 [1 - **1** - **1**].
Niamey, 8 km W: 28 October 1969: Laviolette, S.; *et al.*: ROM: 18 [18 - **18** - **18**].
Nim tree Forest: 26 October 1969: Laviolette, S.; *et al.*: ROM: 1 [1 - **1** - **1**].
Park West: 12 April 1972: Pöche, R.M.: MVZ: 2 [2 - **2**] - 2 May 1972: ?: Collector Unknown: BRTC: 1 [1]; Pöche, R.M.: UCM: 1 [1 - **2**] - 6 May 1972: Pöche, R.M.: UCM: 1, USNM: 2 [3 - **3**] - 16 March 1977: Kosten, Stan: ZMA: 1 [1 - **1** - **8**].
Saba: 22 August 1980: Koch-Weser, Sylvia: SMF: 1 [1 - **1** - **1**].
Tahaoua: 4 November 1976: : SMF: 8 [8 - **8** - **8**].
Talantégou: 9 March 1972: ?: Collector Unknown: BRTC: 1 [1]; Pöche, R.M.: UCM: 1 [1 - **2**] - 10 March 1972: Pöche, R.M.: USNM: 1 [1 - **1**] - 15 March 1972: Pöche, R.M.: UCM: 1, USNM: 1 [2 - **2**] - 23 March 1972: Pöche, R.M.: USNM: 1 [1 - **1** - **6**].
Tapoa: Collection Date Unknown: Pöche, R.M.: USNM: 1 [1 - **1**] - 30 September 1971: ?: Collector Unknown: BRTC: 2 [2 - **2**] - 25 February 1972: Pöche, R.M.: UCM: 1 [1 - **1**] - 13 March 1972: Pöche, R.M.: USNM: 1 [1 - **1**] - 15 March 1972: ?: Collector Unknown: BRTC: 1 [1]; Pöche, R.M.: USNM: 1 [1 - **2**] - 20 March 1972: ?: Collector Unknown: BRTC: 1 [1]; Pöche, R.M.: UCM: 1 [1 - **2**] - 23 March 1972: Pöche, R.M.: UCM: 1, USNM: 3 [4 - **4**] - 24 March 1972: Pöche, R.M.: USNM: 1 [1 - **1**] - 14 May 1972: Pöche, R.M.: USNM: 1 [1 - **1** - **15**].
Tapoa, 1 km N: 22 February 1972: Pöche, R.M.: UCM: 1 [1 - **1** - **1**].
Tapoa, 12 km E: 12 May 1972: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Tapoa, 2 km E: 12 May 1972: Pöche, R.M.: USNM: 2 [2 - **2**] - 19 May 1972: Pöche, R.M.: UCM: 1, USNM: 4 [5 - **5** - **7**].
Tapoa, 21 km E: 7 March 1972: Pöche, R.M.: USNM: 1 [1 - **1**] - 8 March 1972: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 17 May 1972: Pöche, R.M.: UCM: 1, USNM: 2 [3 - **3** - **5**].
Tapoa, 21 km S: 7 March 1972: Pöche, R.M.: UCM: 1 [1 - **1** - **1**].
Tapoa, 28 km S: 23 February 1972: Pöche, R.M.: UCM: 1 [1 - **1** - **1**].
Tapoa, 29 km S: 19 February 1971: Pöche, R.M.: UCM: 1 [1 - **1**] - 18 February 1972: ?: Collector Unknown: BRTC: 1 [1]; Pöche, R.M.: UCM: 2 [2 - **3**] - 19 February 1972: ?: Collector Unknown: BRTC: 2 [2]; Pöche, R.M.: USNM: 1 [1 - **3**] - 23 February 1972: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 2 March 1972: ?: Collector Unknown: BRTC: 1 [1 - **1** - **9**].
Tebeig Asben: 27 July 1922: Buchanan, Angus: BMNH: 1 [1 - **1** - **1**].
Tenda: 30 January 1977: Pöche, R.M.: MVZ: 13 [13 - **13** - **13**].
Tillaberi region: Collection Date Unknown: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Toudou mines: 19 May 1972: Pöche, R.M.: MVZ: 2 [2 - **2**] - 12 May 1977: Pöche, R.M.: MVZ: 11 [11 - **11** - **13**].
Zinder: 30 January 1920: Buchanan, Angus: BMNH: 1 [1]; Buchanan, Angus; Rothschild, Nathanial Charles: BMNH: 2 [2 - **3**] - 7 November 1927: Madsen, Harry: FMNH: 3 [3 - **3**] - 17 November 1927: Madsen, Harry: FMNH: 1 [1 - **1**] - 20 September 1973: Petiniot: RMCA: 5 [5 - **5** - **12**].
Zinder, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 1 May 1969: ?: Collector Unknown: MNHN: 1 [1 - **1** - **3**].

Total Specimens for Niger: 338

Nigeria

Unknown locality: Collection Date Unknown: BMNH: 219, ZMA: 10 [229]; : BMNH: 1 [1]; Bergmans, Wim: ZMA: 1 [1]; Beron, Petar: ZMA: 5 [5 - **236**] - 6 April 1974: Smeenk, Chris; Smeenk, Nellie: RMNH: 1 [1 - **1**] - 1 January 1976: ?: Collector Unknown: ZMA: 3 [3 - **3**] - 21 July 1976: Bergmans, Wim: ZMA: 5 [5 - **5**] - 14 January 1978: ?: Collector Unknown: SMF: 39 [39 - **39**] - 28 November 1981: Dyer, M.E.: HZM: 1 [1 - **1** - **285**].
Abeokuta: 14 March 1960: Brown, G.: HZM: 1 [1 - **1** - **1**].
Abeotuka: 10 March 1960: Brown: HZM: 1 [1 - **1** - **1**].
Abo: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Abonnema: Collection Date Unknown: Ansorge, William John: BMNH: 3 [3 - **3** - **3**].
Abuja: 7 May 1971: Akpan, S.B.: USNM: 20 [20 - **20** - **20**].
Abulschi: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
ACWA: 14 July 1970: Smith, Dwight: ROM: 1 [1 - **1**] - 26 July 1970: Smith, Dwight: ROM: 1 [1 - **1**] - 29 July 1970: Smith, Dwight: MSB: 1 [1 - **1** - **3**].
Afon: Collection Date Unknown: Geest, Julius C.: USNM: 12 [12 - **12**] - 5 May 1967: Geest, Julius C.: USNM: 115 [115 - **115**] - 6 May 1967: Geest, Julius C.: USNM: 50 [50 - **50**] - 7 May 1967: Geest, Julius C.: USNM: 5 [5 - **5**] - 9 May 1967: Geest, Julius C.: USNM: 13 [13 - **13**] - 10 May 1967: Geest, Julius C.: USNM: 5 [5 - **5** - **200**].
Agege: 27 August 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 28 August 1976: Bergmans, Wim: ZMA: 3 [3]; De Boer, P.; De Boer, A.: ZMA: 1 [1 - **4**] - 27 September 1976: De Boer, P.; De Boer, A.: ZMA: 5 [5 - **5** - **10**].
Aguleri: 25 August 1905: Kemp, Robin: BMNH: 1 [1 - **1** - **1**].

Aguleri, 1.5 mi E: 20 February 1966: Herbert, H.J.: USNM: 1 [1 - **1**] - 23 February 1966: Herbert, H.J.: USNM: 4 [4 - **4**] - 24 February 1966: Herbert, H.J.: USNM: 7 [7 - **7**] - 26 February 1966: Herbert, H.J.: USNM: 2 [2 - **2** - **14**].
Alabe: Collection Date Unknown: Ebungbola, L.D.: BMNH: 1 [1 - **1** - **1**].
Alimbo Ferry Road: 29 January 1978: Reid, C.J.: BMNH: 1 [1 - **1** - **1**].
Apapa: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Araba: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Arusu: 8 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Arusua: Collection Date Unknown: Bergmans, Wim: ZMA: 4 [4 - **4**] - 8 July 1976: Bergmans, Wim: ZMA: 3 [3 - **3** - **7**].
Asaba: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 2 [2]; Crofse, H.: BMNH: 1 [1 - **4** - **4**].
Asaba, 5 mi [=8 km] N: 18 February 1966: Herbert, H.J.: USNM: 22 [22 - **22** - **22**].
Ayangba: 24 March 1981: Dyer, M.E.: ROM: 1 [1 - **1**] - 25 March 1981: Dyer, M.E.: ROM: 1 [1 - **1** - **2**].
Ayip Eku: 16 July 1981: Dyer, M.E.: ROM: 4 [4 - **4**] - 19 October 1981: Dyer, M.E.: ROM: 2 [2 - **2** - **6**].
Bacita: Collection Date Unknown: Mees, Gerolf Fokko: RMNH: 21 [21 - **21**] - 29 November 1973: Mees, Gerolf Fokko: RMNH: 1 [1 - **1**] - 6 December 1973: Mees, Gerolf Fokko: RMNH: 1 [1 - **1**] - 11 December 1973: Mees, Gerolf Fokko: RMNH: 1 [1 - **1**] - 21 December 1973: Mees, Gerolf Fokko: RMNH: 1 [1 - **1** - **25**].
Baga-Kawa: 31 May 1970: Vielliard, Jacques Marie Edme: MHNG: 1 [1 - **1** - **1**].
Bauchi state: 30 August 1990: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Benin: Collection Date Unknown: Squire, H.H.: BMNH: 1 [1 - **1** - **1**].
Benin [City]: Collection Date Unknown: Allison, F.R.: BMNH: 1 [1 - **1** - **1**].
Benin, 30 mi W: 28 December 1965: Herbert, H.J.: USNM: 3 [3 - **3**] - 29 December 1965: Herbert, H.J.: USNM: 2 [2 - **2** - **5**].
Benin-City: Collection Date Unknown: Whitley, J. C.: BMNH: 1 [1 - **1** - **1**].
Bichi, 1 mi W: 19 April 1966: Herbert, H.J.: USNM: 3 [3 - **3**] - 20 April 1966: Herbert, H.J.: USNM: 1 [1 - **1** - **4**].
Birninkudu: 6 September 1962: Grandison, Alice Georgie Cruickshank: MCZ: 1 [1 - **1** - **1**].
Borgu Game Reserve: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Calabar: Collection Date Unknown: : BMNH: 1 [1]; Bergmans, Wim: ZMA: 2 [2]; Robb, A.: BMNH: 3 [3 - **6**] - 23 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 11 February 1977: Dyer, M.E.; Nation, H.: ROM: 1 [1 - **1** - **8**].
Calabar, 15 mi [=24 km] N: 10 March 1966: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].
Calabar, 15 mi N: 10 March 1966: Herbert, H.J.: USNM: 12 [12 - **12** - **12**].
Chappal Waddi: Collection Date Unknown: ?: Collector Unknown: SMNS: 2, ZFMK: 1 [3 - **3**] - 25 March 1988: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **4**].
Chuel: 25 June 1976: Bergmans, Wim: ZMA: 1 [1 - **1** - **1**].
Dada: 2 December 1966: Geest, Julius C.: USNM: 1 [1 - **1**] - 29 May 1967: Akpan, S.B.: USNM: 1 [1]; Geest, Julius C.: USNM: 1 [1 - **2**] - 30 May 1967: Akpan, S.B.: USNM: 11 [11]; Geest, Julius C.: USNM: 127 [127]; Herbert, H.J.: USNM: 1 [1 - **139**] - 1 June 1967: Akpan, S.B.: USNM: 3 [3 - **3** - **145**].
Darazo, 6 km E: 1 September 1970: Koeman, J.H.: ZMA: 1 [1 - **1**] - 9 July 1971: Koeman, J.H.: ZMA: 1 [1 - **1** - **2**].
Dikwa, 31 mi NE: 8 April 1966: Herbert, H.J.: USNM: 2 [2 - **2**] - 10 April 1966: Herbert, H.J.: USNM: 14 [14 - **14** - **16**].
Elem Kalabari [= Old Calabar]: Collection Date Unknown: Robb, A.: BMNH: 1 [1 - **1** - **1**].
Enugu state: 7 August 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 12 September 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 27 September 2000: ?: Collector Unknown: SMF: 25 [25 - **25** - **29**].
Farniso: 23 December 1919: Buchanan, Angus: BMNH: 1 [1 - **1** - **1**].
Felele: Collection Date Unknown: Geest, Julius C.: USNM: 3 [3 - **3**] - 13 May 1967: Geest, Julius C.: USNM: 5 [5 - **5**] - 15 May 1967: Geest, Julius C.: USNM: 2 [2 - **2**] - 16 May 1967: Geest, Julius C.: USNM: 20 [20 - **20**] - 17 May 1967: Geest, Julius C.: USNM: 8 [8 - **8**] - 18 May 1967: Geest, Julius C.: USNM: 3 [3 - **3**] - 19 May 1967: Geest, Julius C.: USNM: 8 [8 - **8** - **49**].
Fika: 22 May 1966: Herbert, H.J.: USNM: 3 [3 - **3**] - 23 May 1966: Herbert, H.J.: USNM: 12 [12 - **12** - **15**].
Futuk: 6 August 1978: Demeter, Andras: HNHM: 1 [1 - **1**] - 7 August 1978: Demeter, Andras: HNHM: 1 [1 - **1** - **2**].
Gambari Forest Reserve: 4 December 1966: Happold, David C.D.: ZMA: 1 [1 - **1** - **1**].
Gangirwal: Collection Date Unknown: ?: Collector Unknown: SMNS: 2, ZFMK: 2 [4 - **4** - **4**].
Gombe state: 1 September 1997: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].
Gudi, 3 mi E: Collection Date Unknown: Geest, Julius C.: USNM: 2 [2 - **2**] - 14 March 1967: Geest, Julius C.: USNM: 5 [5 - **5**] - 18 March 1967: Geest, Julius C.: USNM: 2 [2 - **2** - **9**].
Gwarzo: 20 September 1990: : SMF: 1 [1 - **1** - **1**].
Ibadan: Collection Date Unknown: : BMNH: 7, ZMUI: 17 [24]; Akpan, S.B.: USNM: 1 [1]; Bergmans, Wim: ZMA: 7 [7]; Cozens, A.B.: BMNH: 1 [1]; Geest, Julius C.: USNM: 1 [1]; Nielsen: BMNH: 1 [1]; Rosevear, Donovan Reginald: BMNH: 1 [1]; Sibley, Fred C.: BMNH: 3 [3]; Taylor, K.D.: BMNH: 2 [2 - **41**] - 1 January 1953: Clausen, H.S.: ZMUC: 2 [2 - **2**] - 15 April 1960: David: AMNH: 1 [1 - **1**] - 24 December 1960: Sibley, Fred C.: BMNH: 1 [1 - **1**] - 17 June 1961: Taylor, K.D.: BMNH: 1 [1 - **1**] - 7 June 1965: Unife: FMNH: 1 [1 - **1**] - 8 June 1965: Unife: FMNH: 7 [7 - **7**] - 9 June 1965: Unife: FMNH: 3 [3 - **3**] - 12 June 1965: Ife University, The: FMNH: 2 [2]; Unife: FMNH: 7 [7 - **9**] - 14 June 1965: Unife: FMNH: 5 [5 - **5**] - 15 June 1965: Unife: FMNH: 4 [4 - **4**] - 16 June 1965: Unife: FMNH: 1 [1 - **1**] - 17 June 1965: Unife: FMNH: 1 [1 - **1**] - 1 November 1965: Pye, J.D.: BMNH: 1 [1 - **1**] - 31 December 1965: Herbert, H.J.: USNM: 5 [5 - **5**] - 17 January 1966: Herbert, H.J.: USNM: 1 [1 - **1**] - 23 March 1966: Akpan, S.B.: USNM: 5 [5 - **5**] - 1 April 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 5 April 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 8 April 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 19 April 1966: Akpan, S.B.: USNM: 3 [3 - **3**] - 20 April 1966: Akpan, S.B.: USNM: 2 [2 - **2**] - 22 April 1966: Akpan, S.B.: USNM: 4 [4 - **4**] - 23 April 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 26 April 1966: Herbert, H.J.: USNM: 2 [2 - **2**] - 28 April 1966: Herbert, H.J.: USNM: 2 [2 - **2**] - 29 April 1966: Herbert, H.J.: USNM: 1 [1 - **1**] - 2 May 1966: Herbert, H.J.: USNM: 1 [1 - **1**] - 3 May 1966: Herbert, H.J.: USNM: 2 [2 - **2**] - 5 May 1966: Herbert, H.J.: USNM: 2 [2 - **2**] - 26 June 1966: Herbert, H.J.: USNM: 1 [1 - **1**] - 12 August 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 13 August 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 15 August 1966: Akpan, S.B.: USNM: 3 [3 - **3**] - 16 August 1966: Akpan, S.B.: USNM: 2 [2 - **2**] - 19 August 1966: Akpan, S.B.: USNM: 2 [2 - **2**] - 22 August 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 23 August 1966: Akpan, S.B.: USNM: 2 [2 - **2**] - 30 August 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 5 September 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 12 September 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 13 September 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 14 September 1966: Akpan, S.B.: USNM: 2 [2 - **2**] - 20 September 1966: Akpan, S.B.: USNM: 2 [2 - **2**] - 2 October 1966: Akpan, S.B.: USNM: 2 [2 - **2**] - 11 October 1966: Akpan, S.B.: USNM: 1 [1]; Geest, Julius C.: USNM: 2 [2 - **3**] - 13 October 1966: Setzer, Henry W.: USNM: 2 [2 - **2**] - 14 October 1966: Setzer, Henry W.: USNM: 4 [4 - **4**] - 15 October 1966: Setzer, Henry W.: USNM: 3 [3 - **3**] - 16 October 1966: Setzer, Henry W.: USNM: 3 [3 - **3**] - 21 October 1966: Akpan, S.B.: USNM: 3 [3 - **3**] - 27 October 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 12 December 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 23 January 1967: Akpan, S.B.: USNM: 1 [1 -

1] - 25 January 1967: Akpan, S.B.: USNM: 11 [11 - **11**] - 1 February 1967: Akpan, S.B.: USNM: 3 [3 - **3**] - 2 February 1967: Akpan, S.B.: USNM: 2 [2 - **2**] - 6 February 1967: Akpan, S.B.: USNM: 1 [1 - **1**] - 8 February 1967: Akpan, S.B.: USNM: 1 [1 - **1**] - 14 February 1967: Akpan, S.B.: USNM: 2 [2 - **2**] - 17 February 1967: Akpan, S.B.: USNM: 1 [1 - **1**] - 20 February 1967: Akpan, S.B.: USNM: 1 [1 - **1**] - 22 February 1967: Akpan, S.B.: USNM: 2 [2 - **2**] - 25 February 1967: Geest, Julius C.: USNM: 2 [2 - **2**] - 20 March 1967: Akpan, S.B.: USNM: 2 [2 - **2**] - 4 April 1967: Akpan, S.B.: USNM: 1 [1 - **1**] - 18 May 1967: Akpan, S.B.: USNM: 1 [1 - **1**] - 21 May 1967: Geest, Julius C.: USNM: 2 [2 - **2**] - 24 May 1967: Geest, Julius C.: USNM: 3 [3 - **3**] - 25 May 1967: Geest, Julius C.: USNM: 4 [4 - **4**] - 26 May 1967: Geest, Julius C.: USNM: 6 [6 - **6**] - 15 October 1967: Akpan, S.B.: USNM: 1 [1 - **1**] - 23 March 1968: Akpan, S.B.: USNM: 2 [2 - **2**] - 26 March 1968: Akpan, S.B.: USNM: 2 [2 - **2**] - 27 March 1968: Akpan, S.B.: USNM: 3 [3 - **3**] - 31 March 1968: Akpan, S.B.: USNM: 2 [2 - **2**] - 15 April 1968: Akpan, S.B.: USNM: 4 [4 - **4**] - 16 April 1968: Akpan, S.B.: USNM: 2 [2 - **2**] - 17 November 1969: Akpan, S.B.: USNM: 2 [2 - **2**] - 20 April 1970: Akpan, S.B.: USNM: 1 [1 - **1**] - 22 April 1970: Akpan, S.B.: USNM: 2 [2 - **2**] - 4 August 1976: Bergmans, Wim: ZMA: 5 [5 - **5**] - 6 August 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 9 August 1976: Bergmans, Wim: ZMA: 4 [4 - **4**] - 17 February 1977: Dyer, M.E.; Nation, H.: ROM: 1 [1 - **1**] - 18 February 1977: Dyer, M.E.; Nation, H.: ROM: 7 [7 - **7** - **240**].

Ibadan University College: 16 November 1959: Sibley, Fred C.: AMNH: 1 [1 - **1**] - 18 November 1959: Sibley, Fred C.: AMNH: 1 [1 - **1**] - 20 November 1959: Sibley, Fred C.: AMNH: 1 [1 - **1**] - 21 November 1959: Sibley, Fred C.: AMNH: 1 [1 - **1**] - 4 December 1959: Sibley, Fred C.: AMNH: 1 [1 - **1**] - 20 June 1960: Sibley, Fred C.: AMNH: 1 [1 - **1**] - 2 November 1965: Herbert, H.J.: USNM: 1 [1 - **1**] - 20 January 1966: Herbert, H.J.: USNM: 7 [7 - **7**] - 24 January 1966: Herbert, H.J.: USNM: 26 [26 - **26**] - 19 February 1966: Herbert, H.J.: USNM: 19 [19 - **19**] - 10 October 1966: Setzer, Henry W.: USNM: 3 [3 - **3**] - 11 October 1966: Geest, Julius C.: USNM: 1 [1 - **1**] - 6 November 1966: Geest, Julius C.: USNM: 6 [6 - **6**] - 7 November 1966: Geest, Julius C.: USNM: 2 [2 - **2**] - 10 November 1969: Akpan, S.B.: USNM: 5 [5 - **5**] - 21 June 1979: ?: Collector Unknown: ZMA: 1 [1 - **1** - **77**].

Idere: 29 January 1964: Skirron, M.: HZM: 3 [3 - **3**] - 25 October 1966: Geest, Julius C.: USNM: 10 [10]; Setzer, Henry W.: USNM: 26 [26 - **36**] - 26 October 1966: Setzer, Henry W.: USNM: 8 [8 - **8** - **47**].

Ife: Collection Date Unknown: Bergmans, Wim: ZMA: 2 [2 - **2**] - 13 August 1976: Bergmans, Wim: ZMA: 23 [23 - **23**] - 14 August 1976: Bergmans, Wim: ZMA: 7 [7 - **7**] - 15 August 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 21 August 1976: Bergmans, Wim: ZMA: 1 [1 - **1** - **34**].

Ife Botanical gardens: 3 September 1981: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **1**].

Ife University Campus: 3 April 1971: Akpan, S.B.: USNM: 10 [10 - **10**] - 5 April 1971: Akpan, S.B.: USNM: 3 [3 - **3**] - 15 August 1976: Bergmans, Wim: ZMA: 2 [2 - **2**] - 17 August 1976: Bergmans, Wim: ZMA: 1 [1 - **1** - **16**].

Ife University Conference Center, ca. 5 mi SW: 2 September 1981: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **1**].

Ifon: 5 August 1934: Boulton, Rudyerd: FMNH: 2 [2 - **2**] - 6 August 1934: Boulton, Rudyerd: FMNH: 3 [3 - **3**] - 7 August 1934: Boulton, Rudyerd: FMNH: 3 [3 - **3**] - 8 August 1934: Boulton, Rudyerd: FMNH: 6 [6]; Boulton, Rudyerd; Boulton, Laura: MCZ: 1 [1 - **7** - **15**].

Igbetti: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Igbo-ora: 21 October 1966: Geest, Julius C.: USNM: 3 [3]; Setzer, Henry W.: USNM: 5 [5 - **8**] - 22 October 1966: Setzer, Henry W.: USNM: 4 [4 - **4**] - 23 October 1966: Setzer, Henry W.: USNM: 12 [12 - **12**] - 24 October 1966: Setzer, Henry W.: USNM: 6 [6 - **6**] - 25 October 1966: Setzer, Henry W.: USNM: 5 [5 - **5**] - 26 October 1966: Geest, Julius C.: USNM: 4 [4 - **4**] - 26 August 1971: Fagbami, Ademola Hezekiah: USNM: 1 [1 - **1** - **40**].

Ikang: 27 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 28 July 1976: Bergmans, Wim: ZMA: 3 [3 - **3** - **4**].

Ikotmbo: Collection Date Unknown: Sanderson, Ivan T.: BMNH: 2 [2 - **2**] - 18 September 1932: Sanderson, Ivan T.: BMNH: 1 [1 - **1** - **3**].

Ikoyi: 23 August 1975: Brownlow, I.P.: HZM: 1 [1 - **1**] - 24 August 1975: Brownlow, I.P.: HZM: 1 [1 - **1**] - 10 August 1976: Brownlow, I.P.: HZM: 1 [1 - **1** - **3**].

Ilashe, 4 mi S: 9 November 1966: Geest, Julius C.: USNM: 2 [2 - **2** - **2**].

Ilesha: 24 August 1963: : HZM: 1 [1 - **1** - **1**].

Imo state: 19 August 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 September 2000: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].

Independence Layout: 26 September 2000: Ebigbo, Njikoha M.: SMF: 1 [1 - **1** - **1**].

Ipole: 6 July 1976: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2** - **2**].

Jauro Masali: Collection Date Unknown: ?: Collector Unknown: SMNS: 5, ZFMK: 5 [10 - **10** - **10**].

Jebba: Collection Date Unknown: Abadic: BMNH: 1 [1 - **1** - **1**].

Jos: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Bergmans, Wim: ZMA: 4 [4]; Beron, Petar: ZMA: 80 [80]; Gyamgzi: ZMA: 2 [2 - **87**] - 25 June 1976: Bergmans, Wim: ZMA: 3 [3 - **3**] - 27 June 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 11 October 1976: Beron, Petar: ZMA: 1 [1 - **1** - **92**].

Kabir: 15 May 1910: Fox, G.J.: BMNH: 1 [1 - **1** - **1**].

Kabwir: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Fox, G.J.: BMNH: 1 [1 - **2**] - 14 November 1912: Fox, J.C.: BMNH: 1 [1 - **1** - **3**].

Kabwir, 1 mi S: 14 December 1965: Herbert, H.J.: USNM: 1 [1 - **1** - **1**].

Kaduna: Collection Date Unknown: Start, Anthony N.; Watson, M.: BMNH: 1 [1 - **1**] - 21 December 1965: Start, Anthony N.; Watson, M.: BMNH: 1 [1 - **1**] - 1 August 1966: Watson, N.A.C.: WAM: 1 [1 - **1**] - 23 August 1966: Watson, N.A.C.: WAM: 1 [1 - **1** - **4**].

Kaduna state: 20 September 1990: ?: Collector Unknown: SMF: 15 [15 - **15** - **15**].

Kagoro: 4 March 1977: Dyer, M.E.; Nation, H.: ROM: 1 [1 - **1**] - 9 September 1979: Dyer, M.E.: ROM: 6 [6 - **6**] - 10 September 1979: Dyer, M.E.: ROM: 3 [3 - **3**] - 14 September 1979: Dyer, M.E.: ROM: 2 [2 - **2**] - 16 September 1979: Dyer, M.E.: ROM: 1 [1 - **1**] - 30 September 1979: Dyer, M.E.: ROM: 3 [3 - **3**] - 1 October 1979: Dyer, M.E.: ROM: 2 [2 - **2**] - 12 October 1979: Dyer, M.E.: ROM: 3 [3 - **3**] - 14 October 1979: Dyer, M.E.: ROM: 1 [1 - **1**] - 11 November 1979: Dyer, M.E.: ROM: 8 [8 - **8**] - 12 November 1979: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1**] - 18 November 1979: Dyer, M.E.: ROM: 1 [1 - **1**] - 8 December 1979: Dyer, M.E.: ROM: 4 [4 - **4**] - 19 April 1980: Dyer, M.E.: ROM: 2 [2 - **2**] - 2 May 1980: Dyer, M.E.: BMNH: 1 [1 - **1**] - 14 June 1980: Dyer, M.E.: ROM: 10 [10 - **10**] - 4 November 1980: Dyer, M.E.: ROM: 1 [1 - **1**] - 19 June 1981: Dyer, M.E.: BMNH: 1 [1 - **1**] - 20 June 1981: Dyer, M.E.: HZM: 1 [1 - **1** - **52**].

Kamuku Game Reserve: 4 April 1981: Dyer, M.E.: ROM: 3 [3 - **3** - **3**].

Kano: Collection Date Unknown: Buchanan, Angus: BMNH: 1 [1 - **1**] - 1 October 1976: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1**] - 1 January 1979: Crick, H.: HZM: 1 [1 - **1**] - 12 December 1979: Wilkinson, Roger: ROM: 1 [1 - **1** - **4**].

Kano state: 10 August 1990: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Karaduwa: Collection Date Unknown: Geest, Julius C.: USNM: 4 [4 - **4**] - 14 January 1967: Geest, Julius C.: USNM: 5 [5 - **5**] - 15 January 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 16 January 1967: Geest, Julius C.: USNM: 3 [3 - **3**] - 17 January 1967: Geest, Julius C.: USNM: 2 [2 - **2**] - 18 January 1967: Geest, Julius C.: USNM: 1 [1 - **1** - **16**].
Kilboa, 20 mi W: 1 January 1979: Ford, A.: HZM: 2 [2 - **2** - **2**].
Kudu: Collection Date Unknown: Geest, Julius C.: USNM: 8 [8 - **8**] - 3 January 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 4 March 1967: Geest, Julius C.: USNM: 4 [4 - **4**] - 5 March 1967: Geest, Julius C.: USNM: 3 [3 - **3**] - 7 March 1967: Geest, Julius C.: USNM: 7 [7 - **7**] - 8 March 1967: Geest, Julius C.: USNM: 2 [2 - **2** - **25**].
Kwa River: Collection Date Unknown: Talbot, P.A.: BMNH: 1 [1 - **1** - **1**].
Kware: 9 May 1966: Herbert, H.J.: USNM: 2 [2 - **2**] - 11 May 1966: Herbert, H.J.: USNM: 1 [1 - **1**] - 13 May 1966: Herbert, H.J.: USNM: 6 [6 - **6**] - 29 November 1966: Geest, Julius C.: USNM: 1 [1 - **1**] - 30 November 1966: Geest, Julius C.: USNM: 1 [1 - **1**] - 22 May 1970: Akpan, S.B.: USNM: 3 [3 - **3**] - 23 May 1970: Akpan, S.B.: USNM: 1 [1 - **1**] - 25 May 1970: Akpan, S.B.: USNM: 1 [1 - **1** - **16**].
Lagos: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1]; Dobson, George Edward: BMNH: 1 [1]; Gerrard: ZMB: 2 [2]; Moloney, Alfred: BMNH: 1 [1]; Pearse, A.S.: BMNH: 1 [1]; Salmin: ZMB: 3 [3 - **10**] - 26 December 1919: Lowe, Willoughby P.: BMNH: 1 [1 - **1**] - 7 January 1920: Lowe, Willoughby P.: BMNH: 1 [1 - **1**] - 11 May 1976: Brownlow, I.P.: HZM: 1 [1 - **1** - **13**].
Lake Pandam: 17 April 1976: Smeenk, Chris; Smeenk, Nellie: RMNH: 1 [1 - **1**] - 14 June 1976: Smeenk, Chris; Smeenk, Nellie: RMNH: 1 [1 - **1**] - 15 June 1976: Smeenk, Chris; Smeenk, Nellie: RMNH: 3 [3 - **3**] - 5 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 7 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 11 July 1976: Bergmans, Wim: ZMA: 3 [3 - **3** - **10**].
Leekie: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Leinde Fadali: Collection Date Unknown: ?: Collector Unknown: SMNS: 2, ZFMK: 1 [3 - **3** - **3**].
Maiduguri: 27 June 1948: Rosevear, Donovan Reginald: BMNH: 1 [1 - **1**] - 8 July 1948: Rosevear, Donovan Reginald: BMNH: 2 [2 - **2**] - 9 July 1948: Rosevear, Donovan Reginald: BMNH: 5 [5 - **5**] - 11 July 1948: Rosevear, Donovan Reginald: BMNH: 1 [1 - **1**] - 1 January 1973: : SMF: 2 [2 - **2**] - 28 August 1978: Ford: HZM: 1 [1 - **1** - **12**].
Maiduguri, NE of: 28 February 1971: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
Maiduguru: Collection Date Unknown: : BMNH: 3 [3 - **3** - **3**].
Makurdi: Collection Date Unknown: Beron, Petar: ZMA: 2 [2 - **2** - **2**].
Malamfatori: 1 January 1968: Fagbohunmi, Johnson: ZMA: 2 [2 - **2**] - 30 March 1969: Kemp, G.E.: USNM: 2 [2 - **2** - **4**].
Mambila plateau: 12 March 1981: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].
Mianga, road: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Mkar: Collection Date Unknown: Bergmans, Wim: ZMA: 2 [2 - **2**] - 12 July 1976: Bergmans, Wim: ZMA: 4 [4 - **4**] - 13 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1** - **7**].
Mokwa: 27 June 1976: Dyer, M.E.; Dyer, M.: ROM: 4 [4 - **4**] - 27 August 1976: Dyer, M.E.; Dyer, M.: ROM: 5 [5 - **5**] - 28 August 1976: Dyer, M.E.; Dyer, M.: ROM: 3 [3 - **3**] - 30 August 1976: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **13**].
Molai Forest Reserve: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Nagaruta Forest Reserve: 2 August 1962: : BMNH: 1 [1 - **1** - **1**].
Nassarawa: Collection Date Unknown: Cator, D.: BMNH: 1 [1 - **1** - **1**].
Niger River, lower: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Nindam farm: 20 June 1981: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].
Nindam Forest Reserve: 24 January 1981: Dyer, M.E.: ROM: 5 [5 - **5**] - 2 May 1981: Dyer, M.E.: ROM: 1 [1 - **1**] - 19 June 1981: Dyer, M.E.: ROM: 5 [5 - **5**] - 20 June 1981: Dyer, M.E.: ROM: 6 [6 - **6** - **17**].
N'ko: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Numan: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Jones, Theo Simpson: BMNH: 3 [3 - **4** - **4**].
Oban: Collection Date Unknown: : BMNH: 1 [1]; Delamere: BMNH: 1 [1]; Talbot, P.A.: BMNH: 2 [2 - **4** - **4**].
Oban, 14 [= 22.5 km] mi S: 15 March 1966: Herbert, H.J.: USNM: 1 [1 - **1**] - 16 March 1966: Herbert, H.J.: USNM: 1 [1 - **1** - **2**].
Obudu: Collection Date Unknown: Happold, David C.D.: BMNH: 1 [1 - **1** - **1**].
Obudu plateau: 23 February 1981: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].
Odukpani: 6 December 1970: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - 24 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1** - **2**].
Ogbunike: Collection Date Unknown: Awachie, J.B.E.: BMNH: 1 [1 - **1** - **1**].
Ogoja County: 1 January 1960: Meyer, R.: AMNH: 1 [1 - **1** - **1**].
Okomu: 16 February 1977: Dyer, M.E.; Nation, H.: ROM: 4 [4 - **4** - **4**].
Okura Forest Reserve: 23 March 1981: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].
Old Calabar: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, NMV: 1 [2]; Spurrell, H.G.F.: BMNH: 1 [1 - **3** - **3**].
Old Calabar river: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Olokemeji Forest Reserve: 25 August 1976: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2** - **2**].
Omo Forest Reserve: 12 July 1976: Dyer, M.E.; Dyer, M.: ROM: 6 [6 - **6**] - 13 July 1976: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2**] - 14 July 1976: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2** - **10**].
Oyo, 7 mi [= 11 km] W: 1 February 1966: Herbert, H.J.: USNM: 64 [64 - **64**] - 5 February 1966: Herbert, H.J.: USNM: 6 [6 - **6** - **70**].
Pandam: 5 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 6 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 7 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 6 February 1977: Dyer, M.E.; Nation, H.: ROM: 6 [6 - **6** - **9**].
Pandam Wildlife Park: Collection Date Unknown: Bergmans, Wim: ZMA: 33 [33 - **33**] - 2 December 1975: Smeenk, Chris; Smeenk, Nellie: RMNH: 1 [1 - **1**] - 1 July 1976: Bergmans, Wim: ZMA: 1 [1 - **1**] - 2 July 1976: Bergmans, Wim: ZMA: 3 [3 - **3**] - 5 July 1976: Bergmans, Wim: ZMA: 4 [4 - **4** - **42**].
Panisau: 22 January 1967: Geest, Julius C.: USNM: 5 [5 - **5**] - 24 January 1967: Geest, Julius C.: USNM: 6 [6 - **6**] - 26 January 1967: Geest, Julius C.: USNM: 3 [3 - **3**] - 27 January 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 4 February 1967: Geest, Julius C.: USNM: 10 [10 - **10**] - 5 February 1967: Geest, Julius C.: USNM: 6 [6 - **6** - **31**].
Panyam , 2 mi [= 3.2 km] N: 10 December 1965: Setzer, Henry W.: USNM: 1 [1 - **1** - **1**].
Panyam [Fish Farm]: Collection Date Unknown: Fox, G.J.: BMNH: 1 [1]; Geest, Julius C.: USNM: 2 [2 - **3**] - 18 March 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 10 April 1967: Geest, Julius C.: USNM: 2 [2 - **2**] - 11 April 1967: Geest, Julius C.: USNM: 2 [2 - **2**] - 13 April 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 14 April 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 15 April 1967: Geest, Julius C.: USNM: 1 [1 - **1**] - 16 April 1967: Geest, Julius C.: USNM: 1 [1 - **1** - **12**].
Parniso: Collection Date Unknown: Geest, Julius C.: USNM: 4 [4 - **4**] - 19 December 1919: Buchanan, Angus: BMNH: 1 [1 - **1** - **5**].
Pategi: 21 May 1960: Sibley, Fred C.: AMNH: 4 [4 - **4** - **4**].

Plateau state: Collection Date Unknown: ?: Collector Unknown: SMF: 11 [11 - **11**] - 1 September 1997: ?: Collector Unknown: SMF: 22 [22 - **22** - **33**].
Rafin Dinya: 28 February 1977: Koeman, J.H.: ZMA: 1 [1 - **1** - **1**].
S Birnin Gwari: 4 April 1981: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].
Samaru: 21 June 1966: Adams, J.: USNM: 1 [1 - **1**] - 21 July 1966: Adams, J.: USNM: 12 [12 - **12**] - 6 October 1974: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1**] - 7 October 1974: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1**] - 7 April 1975: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2**] - 10 April 1975: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2**] - 13 April 1975: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2** - **21**].
Samaru stream: 14 March 1982: Egwali, E.: HZM: 1 [1 - **1** - **1**].
Sangs River Forest Reserve: 23 December 1979: Dyer, M.E.: ROM: 1 [1 - **1** - **1**].
Sapoba: 14 February 1977: Dyer, M.E.; Nation, H.: ROM: 12 [12 - **12**] - 15 February 1977: Dyer, M.E.; Nation, H.: ROM: 5 [5 - **5** - **17**].
Sapoba Forest Reserve: 10 July 1966: Herbert, H.J.: USNM: 2 [2 - **2**] - 11 July 1966: Herbert, H.J.: USNM: 2 [2 - **2**] - 12 July 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 15 July 1966: Akpan, S.B.: USNM: 1 [1 - **1**] - 11 July 1981: Dyer, M.E.: ROM: 3 [3 - **3** - **9**].
Shagamu: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Shagunu: 10 June 1966: Herbert, H.J.: USNM: 66 [66 - **66**] - 12 June 1966: Herbert, H.J.: USNM: 21 [21 - **21**] - 12 June 1967: Geest, Julius C.: USNM: 78 [78 - **78**] - 13 June 1967: Geest, Julius C.: USNM: 76 [76 - **76**] - 1 July 1976: Menzies, James Ian: ZMA: 1 [1 - **1** - **242**].
Shagunu Borgu: 30 December 1966: Menzies, James Ian: FMNH: 12 [12 - **12** - **12**].
Shasha Forest Reserve: Collection Date Unknown: Happold, David C.D.: ZMUI: 1 [1 - **1** - **1**].
Sokoto: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Herbert, H.J.: USNM: 1 [1 - **2**] - 7 October 1958: Swire, Pamela: HZM: 1 [1 - **1**] - 13 October 1958: Swire, Pamela: HZM: 1 [1 - **1**] - 1 November 1958: Swire, Pamela: HZM: 1 [1 - **1**] - 1 April 1959: Swin: HZM: 1 [1 - **1** - **6**].
Sokoto, 12 mi N: 9 May 1966: Herbert, H.J.: USNM: 2 [2 - **2**] - 10 May 1966: Herbert, H.J.: USNM: 4 [4 - **4** - **6**].
Tangaza: Collection Date Unknown: Geest, Julius C.: USNM: 5 [5 - **5**] - 1 December 1966: Geest, Julius C.: USNM: 16 [16 - **16**] - 2 December 1966: Geest, Julius C.: USNM: 5 [5 - **5** - **26**].
Tsanchaga: Collection Date Unknown: Geest, Julius C.: USNM: 3 [3 - **3**] - 8 January 1967: Geest, Julius C.: USNM: 11 [11 - **11**] - 9 January 1967: Geest, Julius C.: USNM: 2 [2 - **2**] - 10 January 1967: Geest, Julius C.: USNM: 74 [74 - **74**] - 11 January 1967: Geest, Julius C.: USNM: 1 [1 - **1** - **91**].
Umuahia: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; : BMNH: 1 [1]; Cozens, A.B.: BMNH: 2 [2 - **5**] - 4 April 1952: Cozens, A.B.: USNM: 1 [1 - **1**] - 21 August 1952: Cozens, A.B.: BMNH: 2 [2 - **2**] - 8 October 1952: Cozens, A.B.: BMNH: 1 [1 - **1** - **9**].
Upper Ogun Ranch: 14 December 1966: Geest, Julius C.: USNM: 2 [2 - **2**] - 16 December 1967: Geest, Julius C.: USNM: 1 [1 - **1** - **3**].
Wase Rock: Collection Date Unknown: Dunger, G.T.: BMNH: 1 [1 - **1** - **1**].
West province: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Western province: Collection Date Unknown: Kitson, A.E.: BMNH: 1 [1 - **1** - **1**].
Wikki: 9 January 1977: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1**] - 3 July 1978: Demeter, Andras: HNHM: 1 [1 - **1**] - 22 July 1978: Demeter, Andras: HNHM: 1 [1 - **1**] - 23 July 1978: Demeter, Andras: HNHM: 1 [1 - **1**] - 1 August 1978: Demeter, Andras: HNHM: 5 [5 - **5**] - 2 August 1978: Demeter, Andras: HNHM: 3 [3 - **3**] - 10 August 1978: Demeter, Andras: HNHM: 24 [24 - **24**] - 13 August 1978: Demeter, Andras: HNHM: 22 [22 - **22**] - 5 July 1980: Dyer, M.E.: ROM: 8 [8 - **8**] - 1 January 1981: Dyer, M.E.: ROM: 3 [3 - **3**] - 20 April 1981: Dyer, M.E.: ROM: 1 [1 - **1**] - 4 July 1981: Dyer, M.E.: ROM: 5 [5 - **5**] - 5 July 1981: Dyer, M.E.: ROM: 5 [5 - **5** - **80**].
Yankari: 27 March 1975: Dyer, M.E.; Dyer, M.: ROM: 2 [2 - **2**] - 27 January 1976: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1**] - 18 November 1979: Dyer, M.E.: ROM: 2 [2 - **2** - **5**].
Yankari Game Reserve: 30 August 1990: : SMF: 1 [1 - **1** - **1**].
Yelwa: Collection Date Unknown: ?: Collector Unknown: SMNS: 4, ZFMK: 4 [8 - **8** - **8**].
Yo: Collection Date Unknown: Jones, Theo Simpson: BMNH: 4 [4 - **4**] - 29 October 1968: Jones, Theo Simpson: ROM: 22 [22 - **22** - **26**].
Yola: 27 July 1908: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Yoruba: Collection Date Unknown: Krauss: ZMB: 1 [1]; Mann: SMNS: 1 [1 - **2** - **2**].
Zaria: Collection Date Unknown: Nash, T.A.: BMNH: 1 [1 - **1**] - 6 March 1976: Dyer, M.E.: ROM: 1 [1]; Dyer, M.E.; Dyer, M.: ROM: 9 [9 - **10**] - 17 October 1979: Dyer, M.E.: ROM: 1 [1 - **1**] - 27 November 1979: Dyer, M.E.: ROM: 5 [5 - **5**] - 8 December 1979: Dyer, M.E.: ROM: 1 [1 - **1**] - 20 January 1980: Dyer, M.E.: ROM: 1 [1 - **1**] - 22 February 1980: Dyer, M.E.: ROM: 2 [2 - **2**] - 29 April 1981: Dyer, M.E.: ROM: 1 [1 - **1**] - 17 May 1981: Dyer, M.E.: ROM: 1 [1 - **1**] - 19 January 1982: Egwali, E.: HZM: 1 [1 - **1**] - 21 February 1982: Egwali, E.: HZM: 1 [1 - **1**] - 22 December 1982: Ghotosho: HZM: 1 [1 - **1** - **26**].
Zaria province: Collection Date Unknown: Francis, A.C.: BMNH: 1 [1 - **1** - **1**].
Zaria, 15 mi NW: Collection Date Unknown: Herbert, H.J.: USNM: 2 [2 - **2**] - 27 April 1966: Herbert, H.J.: USNM: 1 [1 - **1** - **3**].
Zaria, 5 mi [= 8 km] NW: 25 April 1966: Herbert, H.J.: USNM: 13 [13 - **13** - **13**].
Zaria, 7 mi NW: 15 May 1966: Herbert, H.J.: USNM: 17 [17 - **17** - **17**].
Zaria, north central: 10 April 1975: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1**] - 13 April 1975: Dyer, M.E.; Dyer, M.: ROM: 1 [1 - **1** - **2**].
Zawan: 25 June 1976: Gyamgzi: ZMA: 1 [1 - **1**] - 28 June 1976: Gyamgzi: ZMA: 2 [2 - **2** - **3**].
Zungeru: 26 May 1966: Herbert, H.J.: USNM: 62 [62 - **62** - **62**].

Total Specimens for Nigeria: 2708

Portugal

São Miguel Island: Collection Date Unknown: MNHN: 1 [1 - **1**] - 2 September 1903: Parks: USNM: 1 [1 - **1** - **2**].

Total Specimens for Portugal: 2

Réunion

Bourbon, île [=Réunion]: Collection Date Unknown: ZMB: 1 [1]; Boucard, Adolphe: ZMB: 2 [2]; Verreaux, Jules Pierre: ZMB: 2 [2 - **5** - **5**].
Eglise de Bras-Panon: 1 January 2013: ?: Collector Unknown: FMNH: 21 [21 - **21** - **21**].
Etang Salé: 23 March 1979: Véto, Dr.; Moutou, F.: MNHN: 1 [1 - **1** - **1**].
Falaise de Saint Gilles: 1 August 1980: Véto, Dr.; Moutou, F.: MNHN: 6 [6 - **6** - **6**].
Grotte de Trois Bassin: 1 January 2013: ?: Collector Unknown: UADBA: 19 [19 - **19**] - 1 January 2014: ?: Collector Unknown: FMNH: 7, MNHN: 26 [33 - **33**] - 1 January 2015: ?: Collector Unknown: MNHN: 38, UADBA: 10 [48 - **48** - **100**].
Le Cap Méchant: 26 September 2006: Goodman, Steven M.; Probst, Jean-Michel: FMNH: 4 [4 - **4** - **4**].
Pont de Balthazar: 25 September 2006: Goodman, Steven M.; Probst, Jean-Michel: FMNH: 10 [10 - **10** - **10**].
Ravine des Trois Bassins: 26 September 2006: Goodman, Steven M.; Probst, Jean-Michel: FMNH: 19 [19 - **19** - **19**].
Réunion and Madagascar: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Réunion Island: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8]; Grandidier Collection, The; de Kerveg, R.: MCZ: 6 [6]; Lantz, M.: MNHN: 3 [3]; Maillard, M.: MNHN: 1 [1]; Morel, G.: FMNH: 2 [2]; Pollen, F.: ZMB: 2 [2]; Voyage de Mac…, Le: RMNH: 1 [1 - **23**] - 20 June 1967: Gill, Frank B.: ROM: 1 [1 - **1**] - 2 August 1994: ?: Collector Unknown: SMF: 2 [2 - **2** - **26**].
Sainte Clotilde: 28 September 2006: Goodman, Steven M.: FMNH: 2 [2 - **2** - **2**].
Saint-Gilles: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].
St Benoit, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 31 May 1905: ?: Collector Unknown: MNHN: 1 [1 - **1** - **3**].
Tévelave, above: 2 June 1967: Gill, Frank B.: UMMZ: 7 [7 - **7** - **7**].

Total Specimens for Réunion: 213

Rwanda

Unknown locality: Collection Date Unknown: BMNH: 2 [2]; Start, Anthony N.: BMNH: 2 [2 - **4**] - 1 January 1957: ?: Collector Unknown: SMF: 4 [4 - **4**] - 12 July 1964: ?: Collector Unknown: SMF: 2 [2 - **2**] - 27 October 1979: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 30 November 1985: ?: Collector Unknown: SMF: 1 [1 - **1** - **12**].
Astrida: Collection Date Unknown: Antwerp Zoo, The: RMCA: 1 [1]; Fain, Alexandre: BMNH: 1, MHNG: 1, RMCA: 1 [3]; Vercammen, P.G.: RMCA: 1 [1 - **5**] - 1 January 1948: Fain, Alexandre: RMCA: 4 [4 - **4**] - 3 May 1950: Aureliaan: RMCA: 2 [2 - **2**] - 26 December 1950: Aureliaan: RMCA: 1 [1 - **1**] - 1 January 1951: Aureliaan: RMCA: 1 [1 - **1**] - 10 January 1951: Aureliaan: RMCA: 1 [1 - **1**] - 20 January 1951: Aureliaan: RMCA: 1 [1 - **1**] - 1 July 1951: Aureliaan: RMCA: 1 [1 - **1**] - 1 April 1952: Laurent: RMCA: 1 [1 - **1**] - 2 May 1952: Vercammen, P.G.: RMCA: 1 [1 - **1**] - 13 May 1952: Vercammen, P.G.: RMCA: 2 [2 - **2**] - 1 January 1953: Fain, Alexandre: RMCA: 1 [1 - **1**] - 1 January 1954: Fain, Alexandre: RMCA: 7 [7 - **7**] - 29 July 1954: Fain, Alexandre: MHNG: 1 [1 - **1**] - 6 August 1954: Fain, Alexandre: RMCA: 2 [2 - **2**] - 7 August 1954: Fain, Alexandre: RMCA: 3 [3 - **3**] - 25 October 1954: Fain, Alexandre: MHNG: 2, RMCA: 1 [3 - **3**] - 26 October 1954: Fain, Alexandre: RMCA: 3 [3 - **3**] - 27 October 1954: Fain, Alexandre: MHNG: 1 [1 - **1**] - 28 October 1954: Fain, Alexandre: RMCA: 4 [4 - **4**] - 1 May 1955: Fain, Alexandre: MHNG: 2 [2 - **2**] - 14 October 1955: Fain, Alexandre: RMCA: 1 [1 - **1**] - 24 December 1961: ?: Collector Unknown: RMCA: 1 [1 - **1**] - 20 February 1962: Van Parijs: RMCA: 4 [4 - **4**] - 1 March 1962: Van Parijs: RMCA: 16 [16 - **16**] - 15 May 1962: Van Parijs: RMCA: 14 [14 - **14**] - 24 February 1966: ?: Collector Unknown: RBINS: 7 [7 - **7**] - 26 February 1966: ?: Collector Unknown: RBINS: 21 [21 - **21**] - 25 October 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 11 November 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2**] - 25 December 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 17 April 1968: Niort, P.L.: MHNG: 2 [2 - **2**] - 12 October 1976: Meier, Florian: MHNG: 5 [5 - **5**] - 13 October 1976: Meier, Florian: MHNG: 5 [5 - **5**] - 14 October 1976: Meier, Florian: MHNG: 1 [1 - **1** - **128**].
Bilalu: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2 - **2** - **2**].
Bufundi: 19 November 1955: Fain, Alexandre: RMCA: 4 [4 - **4** - **4**].
Bugarura island: 27 June 1953: ?: Collector Unknown: RBINS: 6 [6 - **6** - **6**].
Bugesera: 1 September 1957: Leleup, Narcisse: RMCA: 2 [2 - **2** - **2**].
Bugoye Kisenyi: 1 November 1933: Hackars, Henri Martin: RMCA: 3 [3 - **3** - **3**].
Butare: Collection Date Unknown: Baeten, Benny: RMCA: 11 [11]; Fain, Alexandre: RMCA: 1 [1 - **12**] - 18 June 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 28 September 1980: Meirte, Danny: RMCA: 1 [1 - **1**] - 3 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 7 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 3 [3 - **3**] - 8 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 9 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 3 [3 - **3**] - 8 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 10 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 7 [7 - **7**] - 11 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 3 [3 - **3**] - 13 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1**] - 20 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 9 [9 - **9**] - 21 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 6 [6 - **6**] - 22 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 9 [9 - **9**] - 23 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 9 [9 - **9**] - 24 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 6 [6 - **6**] - 25 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 7 [7 - **7**] - 31 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 20 [20 - **20**] - 1 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 64 [64 - **64**] - 2 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 11 [11 - **11**] - 14 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 17 [17 - **17**] - 15 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 13 [13 - **13**] - 1 March 1985: Théoneste: RMCA: 8 [8 - **8** - **213**].
Butare INRS: 17 February 1971: Lejeune, M.: RMCA: 14 [14 - **14**] - 20 February 1971: Lejeune, M.: RMCA: 1 [1 - **1**] - 22 April 1971: Lejeune, M.: RMCA: 1 [1 - **1**] - 23 April 1971: Elbl, A.: RMCA: 3 [3 - **3**] - 8 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 16 [16 - **16**] - 9 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 5 [5 - **5**] - 8 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 9 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **42**].
Byumba: 18 April 1990: Ruedi, Manuel; Arlettaz, Raphaël: MHNG: 1 [1 - **1** - **1**].
Colline Musha: 13 December 1954: Fain, Alexandre: MHNG: 1 [1 - **1**] - 1 May 1955: Fain, Alexandre: MHNG: 1 [1 - **1** - **2**].
Cyangugu: 16 June 1969: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].

Cyili: Collection Date Unknown: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1**] - 23 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 3 [3 - **3**] - 24 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 53 [53 - **53**] - 2 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 16 [16 - **16**] - 8 April 1985: Théoneste: RMCA: 10 [10 - **10**] - 13 April 1985: Théoneste: RMCA: 9 [9 - **9**] - 21 April 1985: Théoneste: RMCA: 6 [6 - **6**] - 2 May 1985: Théoneste: RMCA: 11 [11 - **11** - **109**].

Cyili Ntyano: 21 April 1985: Théoneste: RMCA: 1 [1 - **1**] - 2 May 1985: Théoneste: RMCA: 1 [1 - **1** - **2**].

Gabiro: Collection Date Unknown: ?: Collector Unknown: INPBC: 78, RBINS: 1 [79]; Verhulst: RMCA: 2 [2 - **81**] - 14 January 1938: Frechkop, Serge: RMCA: 2 [2 - **2**] - 16 January 1938: ?: Collector Unknown: RBINS: 1 [1]; Frechkop, Serge: RMCA: 2 [2 - **3**] - 19 January 1938: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 1 July 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 23 September 1948: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 27 September 1948: ?: Collector Unknown: RBINS: 8 [8 - **8**] - 9 February 1960: I.P.N.C.: RMCA: 52 [52 - **52** - **149**].

Gafumba: 24 November 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 5 [5 - **5**] - 12 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 16 [16 - **16**] - 7 February 1985: Théoneste: RMCA: 60 [60 - **60** - **81**].

Gafumba Musuga: 7 February 1985: Théoneste: RMCA: 1 [1 - **1** - **1**].

Gafunzo: Collection Date Unknown: Baeten, Benny; Janssens, Luc: RMCA: 13 [13 - **13** - **13**].

Gafunzo Kigaga: 5 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1**] - 6 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1** - **2**].

Gahinga: 18 February 1966: ?: Collector Unknown: RBINS: 6 [6 - **6** - **6**].

Gakoma: Collection Date Unknown: Svepel: ZMZ: 1 [1 - **1**] - 12 August 1949: Aureliaan: RMCA: 1 [1 - **1**] - 20 September 1964: Svepel: ZMZ: 1 [1 - **1**] - 21 September 1964: Svepel: ZMZ: 1 [1 - **1**] - 27 September 1964: Svepel: ZMZ: 1 [1 - **1**] - 28 September 1964: Svepel: ZMZ: 2 [2 - **2** - **7**].

Gasiza: 23 February 1978: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].

Gihinda: 13 February 1966: ?: Collector Unknown: RBINS: 3 [3 - **3**] - 3 March 1966: ?: Collector Unknown: RBINS: 4 [4 - **4** - **7**].

Gihinga: Collection Date Unknown: ?: Collector Unknown: INPBC: 58 [58 - **58** - **58**].

Gisenyi: 28 June 1980: de Iongh, Hans H.: ZMA: 3 [3 - **3**] - 13 September 1980: de Iongh, Hans H.: ZMA: 1 [1 - **1**] - 5 October 1980: de Iongh, Hans H.: ZMA: 6 [6 - **6**] - 13 October 1980: de Iongh, Hans H.: ZMA: 5 [5 - **5**] - 15 October 1980: de Iongh, Hans H.: ZMA: 1 [1 - **1**] - 21 October 1980: Meirte, Danny: RMCA: 15 [15 - **15**] - 21 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 11 December 2004: ?: Collector Unknown: SMF: 1 [1 - **1** - **33**].

Gisovu: 2 October 1980: Meirte, Danny: RMCA: 1 [1 - **1**] - 3 October 1980: Meirte, Danny: RMCA: 1 [1 - **1**] - 31 October 1980: Meirte, Danny: RMCA: 1 [1 - **1** - **3**].

Gitovu: 28 April 1971: Elbl, A.: RMCA: 1 [1 - **1** - **1**].

Ihema, lake: 1 June 1969: Kiss: RMCA: 3 [3 - **3** - **3**].

Kagera National Park: Collection Date Unknown: ?: Collector Unknown: INPBC: 1, RBINS: 1 [2 - **2**] - 15 January 1938: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 19 January 1938: ?: Collector Unknown: RBINS: 1 [1 - **1** - **5**].

Kakitumba: Collection Date Unknown: Verschuren, Jacques: INPBC: 1 [1 - **1** - **1**].

Kanyamiketo: 4 June 1982: Baeten, Benny: RMCA: 1 [1 - **1** - **1**].

Karama: 11 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 4 [4 - **4**] - 12 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 36 [36 - **36**] - 13 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 31 [31 - **31** - **71**].

Katjumbura: 10 June 1938: Frechkop, Serge: RMCA: 1 [1 - **1** - **1**].

Kayonza: 6 November 1980: Meirte, Danny: RMCA: 3 [3 - **3** - **3**].

Kayove: 10 July 1982: Baeten, Benny: RMCA: 3 [3 - **3**] - 11 July 1982: Baeten, Benny: RMCA: 1 [1 - **1** - **4**].

Kibumbu crater, caves 2 and 3: 9 December 1991: Wilson, J.R.; Hutson, Anthony Michael: BMNH: 13 [13 - **13** - **13**].

Kibungo: 26 November 1985: ?: Collector Unknown: SMF: 5 [5 - **5** - **5**].

Kibuye: 2 December 1971: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 1 [1 - **1**] - 3 December 1971: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 1 [1 - **1**] - 6 October 1980: Meirte, Danny: RMCA: 1 [1 - **1**] - 7 October 1980: Meirte, Danny: RMCA: 7 [7 - **7**] - 8 October 1980: Meirte, Danny: RMCA: 2 [2 - **2**] - 9 October 1980: Meirte, Danny: RMCA: 2 [2 - **2**] - 1 November 1980: Meirte, Danny: RMCA: 10 [10 - **10** - **24**].

Kidaho: Collection Date Unknown: Baeten, Benny: RMCA: 18 [18 - **18**] - 6 June 1982: Baeten, Benny: RMCA: 12 [12 - **12**] - 7 June 1982: Baeten, Benny: RMCA: 46 [46 - **46**] - 8 June 1982: Baeten, Benny: RMCA: 31 [31 - **31**] - 9 June 1982: Baeten, Benny: RMCA: 77 [77 - **77**] - 10 June 1982: Baeten, Benny: RMCA: 61 [61 - **61**] - 11 June 1982: Baeten, Benny: RMCA: 73 [73 - **73**] - 12 June 1982: Baeten, Benny: RMCA: 12 [12 - **12**] - 13 June 1982: Baeten, Benny: RMCA: 7 [7 - **7**] - 14 June 1982: Baeten, Benny: RMCA: 1 [1 - **1**] - 15 June 1982: Baeten, Benny: RMCA: 7 [7 - **7**] - 16 June 1982: Baeten, Benny: RMCA: 20 [20 - **20**] - 17 June 1982: Baeten, Benny: RMCA: 5 [5 - **5**] - 18 June 1982: Baeten, Benny: RMCA: 3 [3 - **3**] - 19 June 1982: Baeten, Benny: RMCA: 2 [2 - **2** - **375**].

Kigali: 1 January 1933: Becquet: RMCA: 1 [1 - **1**] - 19 February 1967: ?: Collector Unknown: RBINS: 23 [23 - **23**] - 19 November 1971: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 1 [1 - **1**] - 30 September 1980: Meirte, Danny: RMCA: 12 [12 - **12**] - 26 October 1980: Meirte, Danny: RMCA: 3 [3 - **3**] - 27 October 1980: Meirte, Danny: RMCA: 7 [7 - **7**] - 1 July 1982: Baeten, Benny: RMCA: 1 [1 - **1** - **48**].

Kimuna: 1 December 1966: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Kinigi: 1 June 1982: Baeten, Benny: RMCA: 1 [1 - **1** - **1**].

Kionja: Collection Date Unknown: Verschuren, Jacques: INPBC: 2 [2 - **2** - **2**].

Kisenyi: Collection Date Unknown: ?: Collector Unknown: INPBC: 1 [1]; Schouteden, Henri: RMCA: 1 [1]; Van Saceghem, R.: RMCA: 1 [1 - **3**] - 1 January 1926: Schouteden, Henri: RMCA: 2 [2 - **2**] - 5 July 1927: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 2 [2 - **2**] - 16 September 1927: Douce: RMCA: 1 [1 - **1**] - 1 January 1942: Van Saceghem, R.: RMCA: 1 [1 - **1** - **9**].

Kissenji [=Gisenyi]: Collection Date Unknown: Köhl: ZMB: 1 [1]; Stegmann-Stein: ZMB: 5 [5 - **6** - **6**].

Kitabi: 2 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 2 [2 - **2**] - 3 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 5 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **4**].

Kiziguru: 2 July 1954: Fain, Alexandre: RMCA: 1 [1 - **1**] - 31 July 1954: Fain, Alexandre: RMCA: 1 [1 - **1**] - 2 August 1954: Fain, Alexandre: MHNG: 1 [1 - **1** - **3**].

Lac Ihema: 9 September 1980: de Iongh, Hans H.: ZMA: 1 [1 - **1** - **1**].

Lugarama: Collection Date Unknown: ?: Collector Unknown: INPBC: 24 [24 - **24** - **24**].

Mabanza: 9 October 1980: Meirte, Danny: RMCA: 40 [40 - **40**] - 10 October 1980: Meirte, Danny: RMCA: 3 [3 - **3** - **43**].

Magachi: Collection Date Unknown: ?: Collector Unknown: INPBC: 9 [9 - **9** - **9**].

Masaka - Kigali: 19 November 1971: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 3 [3 - **3** - **3**].
Masha: 1 January 1956: ?: Collector Unknown: RBINS: 2 [2 - **2** - **2**].
Mihindi, lake: Collection Date Unknown: ?: Collector Unknown: INPBC: 87 [87 - **87** - **87**].
Mimuli: 31 October 1964: Goepel, U.: ZMZ: 1 [1 - **1**] - 4 November 1964: Svepel: ZMZ: 1 [1 - **1**] - 5 November 1964: Svepel: ZMZ: 1 [1 - **1**] - 6 November 1964: Svepel: ZMZ: 1 [1 - **1**] - 10 November 1964: Svepel: ZMZ: 2 [2 - **2** - **6**].
Mugarura: Collection Date Unknown: Schubolz, H.: ZMB: 3 [3]; Stegmann-Stein: ZMB: 10 [10 - **13** - **13**].
Mugogwe: 19 December 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 5 February 1985: Théoneste: RMCA: 22 [22 - **22** - **23**].
Mugusa, mount: 12 June 1968: ?: Collector Unknown: RBINS: 3 [3 - **3** - **3**].
Muhabura: 18 June 1982: Baeten, Benny: RMCA: 1 [1 - **1** - **1**].
Muhasi: 20 August 1971: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 1 [1 - **1**] - 23 August 1971: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 2 [2 - **2**] - 25 August 1971: Vanderborght-Elbl, Alena; Mathys, G.; Elbl, A.: RMCA: 4 [4 - **4** - **7**].
Muluchu: Collection Date Unknown: Verschuren, Jacques: INPBC: 7 [7 - **7** - **7**].
Murunda: 12 October 1980: Meirte, Danny: RMCA: 23 [23 - **23**] - 14 October 1980: Meirte, Danny: RMCA: 1 [1 - **1**] - 15 October 1980: Meirte, Danny: RMCA: 3 [3 - **3** - **27**].
Musanse: 7 January 1966: ?: Collector Unknown: RBINS: 6 [6 - **6**] - 10 June 1966: ?: Collector Unknown: RBINS: 3 [3 - **3** - **9**].
Musanze: 8 June 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2**] - 25 October 1980: Meirte, Danny: RMCA: 11 [11 - **11**] - 24 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 25 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 27 [27 - **27**] - 27 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 16 June 1982: Baeten, Benny: RMCA: 32 [32 - **32**] - 17 June 1982: Baeten, Benny: RMCA: 21 [21 - **21** - **95**].
Musha: 1 May 1955: Fain, Alexandre: RMCA: 1 [1 - **1**] - 17 October 1955: Fain, Alexandre: RMCA: 3 [3 - **3**] - 14 November 1955: Fain, Alexandre: RMCA: 1 [1 - **1**] - 25 March 1968: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1** - **6**].
Mutura: Collection Date Unknown: Baeten, Benny; Janssens, Luc: RMCA: 2 [2 - **2**] - 22 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 73 [73 - **73**] - 23 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 41 [41 - **41**] - 24 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 25 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 42 [42 - **42**] - 26 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 8 [8 - **8**] - 27 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 49 [49 - **49**] - 14 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 6 [6 - **6**] - 15 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 46 [46 - **46**] - 16 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 30 [30 - **30**] - 18 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 19 [19 - **19**] - 12 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 17 [17 - **17**] - 13 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 19 [19 - **19** - **353**].
Ntango: 24 May 1982: Baeten, Benny: RMCA: 15 [15 - **15**] - 25 May 1982: Baeten, Benny: RMCA: 20 [20 - **20**] - 26 May 1982: Baeten, Benny: RMCA: 27 [27 - **27** - **62**].
Nyakibanda: 1 April 1955: Fain, Alexandre: RMCA: 1 [1 - **1**] - 14 October 1955: Fain, Alexandre: RMCA: 7 [7 - **7**] - 15 October 1955: Fain, Alexandre: RMCA: 1 [1 - **1**] - 1 April 1956: Fain, Alexandre: RMCA: 2 [2 - **2**] - 1 March 1962: Van Parijs: RMCA: 12 [12 - **12** - **23**].
Nyakichozi: Collection Date Unknown: ?: Collector Unknown: INPBC: 2 [2 - **2** - **2**].
Nyakinama: 24 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **1**].
Nyamasheke: 8 April 1966: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Nyamata: 11 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 3 [3 - **3**] - 12 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 11 [11 - **11**] - 13 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 157 [157 - **157**] - 14 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 53 [53 - **53**] - 15 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 88 [88 - **88**] - 16 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 53 [53 - **53**] - 17 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 28 [28 - **28** - **393**].
Nyambumba: 18 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1** - **1**].
Nyanza: 6 February 1966: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].
Nyarutovu: 19 September 1954: Fain, Alexandre: MHNG: 1 [1 - **1**] - 20 September 1954: Fain, Alexandre: MHNG: 1 [1 - **1**] - 18 May 1955: Fain, Alexandre: MHNG: 1, RMCA: 1 [2 - **2**] - 10 August 1955: Fain, Alexandre: RMCA: 1 [1 - **1**] - 8 October 1955: Fain, Alexandre: RMCA: 1 [1 - **1**] - 10 October 1955: Fain, Alexandre: RMCA: 1 [1 - **1** - **7**].
Nyumba cave: Collection Date Unknown: Fain, Alexandre: BMNH: 6 [6 - **6**] - 1 January 1954: Fain, Alexandre: MHNG: 2 [2 - **2**] - 1 February 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 10 [10 - **10**] - 13 February 1966: ?: Collector Unknown: RBINS: 1 [1 - **1**] - 7 December 1966: ?: Collector Unknown: RBINS: 2 [2]; Anciaux de Faveaux, Félix / Michel: RBINS: 4 [4 - **6**] - 17 December 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 3 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 6 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 20 [20 - **20**] - 7 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 10 [10 - **10** - **57**].
Nyundo: 17 October 1980: Meirte, Danny: RMCA: 2 [2 - **2**] - 18 October 1980: Meirte, Danny: RMCA: 1 [1 - **1**] - 19 October 1980: Meirte, Danny: RMCA: 1 [1 - **1**] - 20 October 1980: Meirte, Danny: RMCA: 4 [4 - **4**] - 22 October 1980: Meirte, Danny: RMCA: 15 [15 - **15**] - 23 October 1980: Meirte, Danny: RMCA: 1 [1 - **1** - **24**].
Nyungwe forest reserve: 18 October 1976: Meier, Florian: MHNG: 2 [2 - **2**] - 28 March 1990: Heller, Klaus-Gerhard; Volleth, Marianne: SMF: 1 [1 - **1** - **3**].
Ratabo Kinazi Gitorams: 30 April 1971: Elbl, A.: RMCA: 1 [1 - **1** - **1**].
Routabansougera: 19 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 3 [3 - **3**] - 20 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1**] - 14 July 1982: Baeten, Benny: RMCA: 2 [2 - **2**] - 15 July 1982: Baeten, Benny: RMCA: 4 [4 - **4**] - 17 July 1982: Baeten, Benny: RMCA: 5 [5 - **5** - **15**].
Rubengera: 1 January 1931: Lestrade: RMCA: 1 [1 - **1** - **1**].
Ruboma Ruhashya: 1 January 1985: Théoneste: RMCA: 1 [1 - **1** - **1**].
Rubona: 1 January 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 18 January 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2**] - 20 January 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 27 January 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 15 October 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2**] - 22 November 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 4 December 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2**] - 10 December 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 21

December 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2**] - 27 December 1966: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 8 January 1967: Anciaux de Faveaux, Félix / Michel: RBINS: 2 [2 - **2**] - 23 January 1967: Anciaux de Faveaux, Félix / Michel: RBINS: 3 [3 - **3**] - 1 January 1985: Théoneste: RMCA: 3 [3 - **3**] - 2 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1**] - 7 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 46 [46 - **46** - **69**].

Ruhengeri: 7 June 1966: ?: Collector Unknown: RBINS: 2 [2 - **2**] - 20 September 1976: Meier, Florian: MHNG: 9 [9 - **9**] - 15 October 1980: de Iongh, Hans H.: ZMA: 8 [8 - **8**] - 30 November 1985: ?: Collector Unknown: SMF: 3 [3 - **3**] - 22 June 2003: ?: Collector Unknown: SMF: 2 [2 - **2**] - 25 June 2003: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 July 2003: ?: Collector Unknown: SMF: 1 [1 - **1** - **26**].

Ruhengeri: 15 November 1980: de Iongh, Hans H.: ZMA: 1 [1 - **1** - **1**].

Rukara: 1 January 1955: Fain, Alexandre: RMCA: 5 [5 - **5**] - 27 August 1955: Fain, Alexandre: RMCA: 5 [5 - **5**] - 12 September 1955: Fain, Alexandre: RMCA: 5 [5 - **5**] - 13 September 1955: Fain, Alexandre: RMCA: 4 [4 - **4**] - 15 September 1955: Fain, Alexandre: RMCA: 6 [6 - **6**] - 16 September 1955: Fain, Alexandre: RMCA: 7 [7 - **7** - **32**].

Rukira: 19 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 23 [23 - **23**] - 20 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 41 [41 - **41**] - 21 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 22 [22 - **22**] - 22 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 30 [30 - **30**] - 23 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 12 [12 - **12**] - 24 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 9 [9 - **9**] - 25 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 43 [43 - **43**] - 26 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 62 [62 - **62**] - 27 November 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 12 [12 - **12** - **254**].

Rwamagana, NE: 1 January 1954: Fain, Alexandre: MHNG: 1 [1 - **1** - **1**].

Rwankalo: Collection Date Unknown: ?: Collector Unknown: RBINS: 1 [1 - **1** - **1**].

Rwankwi: 1 April 1948: Leroy, J.V.: RMCA: 4 [4 - **4** - **4**].

Shangi: 18 December 1984: Baeten, Benny; Janssens, Luc: RMCA: 1 [1 - **1**] - 5 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 34 [34 - **34**] - 6 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 24 [24 - **24** - **59**].

Shangi Schad: 5 January 1985: Baeten, Benny; Janssens, Luc: RMCA: 4 [4 - **4** - **4**].

Shangugu: 1 January 1926: Schouteden, Henri: RMCA: 2 [2 - **2** - **2**].

Shyanda: Collection Date Unknown: Baeten, Benny; Janssens, Luc: RMCA: 3 [3 - **3** - **3**].

Simbi cave: 1 March 1968: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 10 April 1968: Anciaux de Faveaux, Félix / Michel: RBINS: 1 [1 - **1**] - 6 July 1968: ?: Collector Unknown: RBINS: 1 [1 - **1** - **3**].

Tamira: 26 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **1**].

Tshyohaha, lake: 16 October 1952: Laurent: RMCA: 1 [1 - **1** - **1**].

Ubuvumo lava hole: 11 December 2004: Laumanns, Michael: SMF: 1 [1 - **1** - **1**].

Uwinka: 25 August 1964: Goepel, U.: ZMZ: 1 [1 - **1**] - 16 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 2 [2 - **2**] - 17 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 5 [5 - **5**] - 18 October 1981: De Vree, Frits; Baeten, Benny; Van Cakenberghe, Victor: RMCA: 1 [1 - **1** - **9**].

Total Specimens for Rwanda: 3254

São Tomé and Principé

Unknown locality: Collection Date Unknown: BMNH: 5, MNHN: 3 [8 - **8**] - 5 June 1910: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 16 June 1928: : AMNH: 2 [2 - **2** - **11**].

Agua-Ize: 11 April 1988: Juste, Javier; Ibáñez Uargui, Carlos J.: EBD: 1 [1 - **1** - **1**].

Bóbó Cativo: Collection Date Unknown: ?: Collector Unknown: EBD: 1 [1 - **1** - **1**].

Cascata: Collection Date Unknown: Haft, J.: SMNS: 2 [2 - **2** - **2**].

Fernandina Coco palm plantation: 29 April 2001: Long, Douglas J.: CAS: 4 [4 - **4** - **4**].

Fundo de Igresa valley: 12 April 2001: Long, Douglas J.: CAS: 10 [10 - **10** - **10**].

Generosa: Collection Date Unknown: ?: Collector Unknown: SMTD: 1 [1 - **1** - **1**].

Macambrara: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Ponta Barra Bobo and Praia da Mutamba, coast road between: 27 April 2001: Long, Douglas J.: CAS: 11 [11 - **11** - **11**].

Port Sao Tome: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].

Praia da Mutamba, 50 m inland coast road: 27 April 2001: Long, Douglas J.: CAS: 2 [2 - **2** - **2**].

Praia das Conchas: Collection Date Unknown: Feiler, Alfred; Günther, R.: ZMB: 6 [6 - **6**] - 22 April 1988: Juste, Javier; Ayong, Antonio: EBD: 2 [2 - **2** - **8**].

Principé: Collection Date Unknown: : BMNH: 3 [3 - **3** - **3**].

Principé Island: Collection Date Unknown: : EBD: 1 [1]; Dohrn, Felix Anton: ZMB: 1 [1 - **2** - **2**].

Ribeira Piexe: 12 April 2001: Long, Douglas J.: CAS: 2 [2 - **2** - **2**].

Rio Contador valley, S side: 15 April 2001: Long, Douglas J.: CAS: 10 [10 - **10** - **10**].

San Antonio: Collection Date Unknown: ?: Collector Unknown: EBD: 1 [1 - **1**] - 20 April 2001: Long, Douglas J.: CAS: 33 [33 - **33** - **34**].

San Nicolas: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Santa Catarina, in a cave near the seashore: 4 April 1988: Juste, Javier; Ibáñez Uargui, Carlos J.: EBD: 1 [1 - **1** - **1**].

Santo Amaro: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Sao Tome: Collection Date Unknown: : BMNH: 2, USNM: 1 [3 - **3**] - 14 January 1996: ?: Collector Unknown: SMF: 3 [3 - **3** - **6**].

São Tomé island: Collection Date Unknown: : BMNH: 1, EBD: 1 [2 - **2**] - 1 January 1868: Newton, F.; Pires: MLZA: 1 [1 - **1** - **3**].

Total Specimens for São Tomé and Principé: 116

Saudi Arabia

Al Muwaylih [=Mohila]: Collection Date Unknown: SMF: 1 [1 - **1** - **1**].

Dhahran: Collection Date Unknown: ?: Collector Unknown: CAS: 1 [1 - **1** - **1**].

Total Specimens for Saudi Arabia: 2

Senegal

Unknown locality: Collection Date Unknown: BMNH: 10, FMNH: 2, MNHN: 31, RBINS: 2 [45]; : RMNH: 2, ZMA: 1 [3]; Cabot, M.: FMNH: 5 [5]; de Selys-Longschamps, Edmond: RBINS: 1 [1]; Doria, Giacomo: ZMB: 1 [1]; Herdson, D.: BMNH: 1 [1]; Riggenbach: ZMB: 1 [1]; Scherer: ZMB: 12 [12]; Sokolowski: ZMB: 1 [1]; Steindachner, Franz: MCZ: 1 [1]; Taufflieb, R.: MNHN: 5 [5 - **76**] - 11 November 2002: ?: Collector Unknown: SMF: 3 [3 - **3**] - 13 November 2002: ?: Collector Unknown: SMF: 3 [3 - **3** - **82**].
Adiaré: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Assirik: Collection Date Unknown: ?: Collector Unknown: IVB: 1 [1]; : IVB: 1 [1 - **2** - **2**].
Ba Foula Bé: 2 April 1978: KUL-expedition (Katholieke Universiteit Leuven), The: RMCA: 2 [2 - **2** - **2**].
Bacadadgi: 11 November 2004: ?: Collector Unknown: IVB: 3 [3 - **3** - **3**].
Badi: 8 February 1911: Owen, G.F.: BMNH: 1 [1 - **1**] - 4 September 1955: ?: Collector Unknown: MHNG: 1 [1 - **1**] - 3 April 1978: KUL-expedition (Katholieke Universiteit Leuven), The: RMCA: 1 [1 - **1**] - 5 December 2005: Cervený, Jaroslav: IVB: 2 [2 - **2** - **5**].
Bafoulabé: 31 March 1971: ORSTOM: MNHN: 4 [4 - **4** - **4**].
Bakel: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Lataste collection, The: BMNH: 1 [1 - **2** - **2**].
Bakel, 5 km S: 16 April 1966: Davis, R.M.: USNM: 44 [44 - **44** - **44**].
Bandafassi dispensarium: 7 August 2002: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Bandia: Collection Date Unknown: ?: Collector Unknown: MNHN: 156 [156 - **156**] - 12 July 1965: Cornet; Taufflieb, R.: MHNG: 1 [1 - **1**] - 11 November 1965: Taufflieb, R.: MHNG: 2 [2 - **2**] - 11 June 1971: Chateau, R.: MNHN: 2 [2 - **2**] - 1 July 1977: Böhme, Wolfgang; *et al.*: ZFMK: 3 [3 - **3** - **164**].
Bow: Collection Date Unknown: ?: Collector Unknown: MNHN: 10 [10 - **10** - **10**].
Camp des Lions – forest next to the river: 3 March 2005: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].
Camp Leclerc: 7 June 1950: Estanove, Guy: MCZ: 1 [1 - **1** - **1**].
Cascas: 28 March 1966: Davis, R.M.: USNM: 12 [12 - **12**] - 29 March 1966: Davis, R.M.: USNM: 3 [3 - **3** - **15**].
Dagana: Collection Date Unknown: Spatz: ZMB: 15 [15 - **15** - **15**].
Dakar: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Davis, R.M.: USNM: 2 [2 - **3**] - 1 July 1966: Davis, R.M.: USNM: 7 [7 - **7**] - 2 July 1966: Davis, R.M.: USNM: 8 [8 - **8**] - 4 July 1966: Davis, R.M.: USNM: 5 [5 - **5** - **23**].
Dakar Pasteur institute: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Dalaba: 27 February 2005: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].
Dar Salam: 2 December 2005: ?: Collector Unknown: IVB: 1 [1 - **1**] - 3 December 2005: ?: Collector Unknown: IVB: 4 [4 - **4**] - 4 December 2005: ?: Collector Unknown: IVB: 2 [2]; Cervený, Jaroslav: IVB: 3 [3 - **5**] - 7 August 2006: ?: Collector Unknown: IVB: 1 [1 - **1**] - 10 August 2006: Cervený, Jaroslav: IVB: 1 [1 - **1**] - 25 August 2006: ?: Collector Unknown: IVB: 1 [1 - **1**] - 4 February 2007: ?: Collector Unknown: IVB: 2 [2 - **2**] - 14 February 2007: ?: Collector Unknown: IVB: 1 [1 - **1**] - 20 September 2007: ?: Collector Unknown: IVB: 1 [1 - **1** - **17**].
Daudi Cave: 12 December 2005: Cervený, Jaroslav: IVB: 2 [2 - **2**] - 13 December 2005: Cervený, Jaroslav: IVB: 1 [1 - **1** - **3**].
Diabane: Collection Date Unknown: Ames, P.L.: FMNH: 1 [1]; Cabot, M.: FMNH: 1 [1 - **2**] - 31 July 1982: Ames, P.L.: FMNH: 1 [1 - **1**] - 23 December 1982: Ames, P.L.: FMNH: 8 [8 - **8**] - 24 December 1982: Ames, P.L.: FMNH: 10 [10 - **10**] - 7 January 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 9 January 1983: Ames, P.L.: FMNH: 1 [1 - **1**] - 12 January 1983: Ames, P.L.: FMNH: 1 [1 - **1**] - 13 January 1983: Ames, P.L.: FMNH: 1 [1 - **1**] - 15 January 1983: Ames, P.L.: FMNH: 1 [1 - **1**] - 18 January 1983: Cabot, M.: FMNH: 2 [2 - **2**] - 19 January 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 20 January 1983: Cabot, M.: FMNH: 2 [2 - **2**] - 1 February 1983: Ames, P.L.: FMNH: 1 [1]; Cabot, M.: FMNH: 2 [2 - **3**] - 5 February 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 10 February 1983: Cabot, M.: FMNH: 2 [2 - **2**] - 12 February 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 24 February 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 7 March 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 8 March 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 26 March 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 13 April 1983: Cabot, M.: FMNH: 3 [3 - **3**] - 24 April 1983: Cabot, M.: FMNH: 2 [2 - **2**] - 19 May 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 21 July 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 31 July 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 6 August 1983: Cabot, M.: FMNH: 2 [2 - **2**] - 8 August 1983: Cabot, M.: FMNH: 3 [3 - **3**] - 9 August 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 10 August 1983: Cabot, M.: FMNH: 3 [3 - **3**] - 11 August 1983: Cabot, M.: FMNH: 3 [3 - **3**] - 23 August 1983: Cabot, M.: FMNH: 2 [2 - **2**] - 24 August 1983: Cabot, M.: FMNH: 1 [1 - **1** - **65**].
Diadam: Collection Date Unknown: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].
Dialocote: Collection Date Unknown: Davis, R.M.: USNM: 17 [17]; Owen, G.F.: BMNH: 2 [2 - **19**] - 7 March 1910: Owen, G.F.: BMNH: 1 [1 - **1**] - 9 March 1910: Owen, G.F.: BMNH: 1 [1 - **1**] - 7 May 1910: Owen, G.F.: BMNH: 1 [1 - **1**] - 5 May 1966: Davis, R.M.: USNM: 9 [9 - **9**] - 6 May 1966: Davis, R.M.: USNM: 29 [29 - **29**] - 7 May 1966: Davis, R.M.: USNM: 19 [19 - **19** - **79**].
Diattacounda: 12 December 1975: Böhme, Wolfgang: ZFMK: 2 [2]; Böhme, Wolfgang; *et al.*: ZFMK: 25 [25 - **27**] - 23 December 1975: Böhme, Wolfgang; *et al.*: ZFMK: 2 [2 - **2**] - 25 December 1975: Böhme, Wolfgang; *et al.*: ZFMK: 1 [1 - **1** - **30**].
Dindefelo: Collection Date Unknown: ?: Collector Unknown: IVB: 4 [4 - **4** - **4**].
Dindéfélo: Collection Date Unknown: ?: Collector Unknown: IVB: 2 [2 - **2**] - 12 December 2005: Cervený, Jaroslav: IVB: 1 [1 - **1** - **3**].
Dindéfélo – next to the stream: 12 December 2005: ?: Collector Unknown: IVB: 3 [3 - **3** - **3**].
Dindéfélo – next to the stream II: 14 December 2005: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].
Diogué: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Diourbel: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Djoudji Park: 1 April 1972: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ebarak: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Edanga: 26 October 1983: Cabot, M.: FMNH: 1 [1 - **1**] - 29 October 1983: Cabot, M.: FMNH: 6 [6 - **6**] - 30 October 1983: Cabot, M.: FMNH: 2 [2 - **2** - **9**].
Eganga: 26 October 1983: Cabot, M.: FMNH: 2 [2 - **2**] - 30 October 1983: Cabot, M.: FMNH: 1 [1 - **1** - **3**].
Etiesse: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Fatick: 19 February 1934: Wonder, Frank C.: FMNH: 27 [27 - **27**] - 19 April 1934: Wonder, Frank C.: FMNH: 2 [2 - **2** - **29**].
Gamon: Collection Date Unknown: Davis, R.M.: USNM: 1 [1 - **1**] - 10 May 1966: Davis, R.M.: USNM: 1 [1 - **1**] - 11 May 1966: Davis, R.M.: USNM: 4 [4 - **4** - **6**].
Goudiri: Collection Date Unknown: Davis, R.M.: USNM: 5 [5 - **5**] - 20 April 1966: Davis, R.M.: USNM: 47 [47 - **47** - **52**].

Goulombo: 30 December 1980: KUL-expedition (Katholieke Universiteit Leuven), The: RMCA: 2 [2 - **2** - **2**].
Gué de Sambaillou: 24 February 2005: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].
Gué du Damantan: 12 February 2007: ?: Collector Unknown: IVB: 8 [8 - **8** - **8**].
Hahn – Dakar: 21 February 2007: ?: Collector Unknown: IVB: 15 [15 - **15** - **15**].
Joal, 4 km N: 17 June 1966: Davis, R.M.: USNM: 2 [2 - **2**] - 19 June 1966: Davis, R.M.: USNM: 56 [56 - **56**] - 21 June 1966: Davis, R.M.: USNM: 20 [20 - **20** - **78**].
Kaffrine: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kaffrine, 15 km N: 24 November 1965: Davis, R.M.: USNM: 1 [1 - **1**] - 25 November 1965: Davis, R.M.: USNM: 1 [1 - **1**] - 26 November 1965: Davis, R.M.: USNM: 13 [13 - **13**] - 1 December 1965: Davis, R.M.: USNM: 1 [1 - **1** - **16**].
Kaolack, 6 km E: 17 November 1965: Davis, R.M.: USNM: 13 [13 - **13**] - 18 November 1965: Davis, R.M.: USNM: 10 [10 - **10** - **23**].
Kassas forest: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kedougou: Collection Date Unknown: Wonder, Frank C.: USNM: 1 [1 - **1**] - 18 May 1934: Wonder, Frank C.: FMNH: 6 [6 - **6**] - 19 May 1934: Wonder, Frank C.: FMNH: 3, USNM: 1 [4 - **4**] - 20 May 1934: ?: Collector Unknown: FMNH: 2 [2]; Wonder, Frank C.: FMNH: 34, MCZ: 2, USNM: 2 [38 - **40** - **51**].
Kédougou: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Khombeul: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Koular: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 8 February 1972: Adam, F.: MNHN: 5 [5 - **5** - **8**].
Kounkané: 31 December 1980: KUL-expedition (Katholieke Universiteit Leuven), The: RMCA: 1 [1 - **1** - **1**].
Koutango: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Lagbar, 10 km S: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Lagbar, 10 km SE: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Lengue Kountou: 6 May 2004: Cervený, Jaroslav: IVB: 1 [1 - **1** - **1**].
Lengué Kountou: 24 April 2004: ?: Collector Unknown: IVB: 2 [2 - **2**] - 26 April 2004: ?: Collector Unknown: IVB: 3 [3 - **3**] - 4 May 2004: ?: Collector Unknown: IVB: 4 [4 - **4**] - 5 May 2004: ?: Collector Unknown: IVB: 4 [4 - **4**] - 6 May 2004: ?: Collector Unknown: IVB: 1 [1 - **1**] - 7 May 2004: ?: Collector Unknown: IVB: 2 [2 - **2**] - 9 May 2004: ?: Collector Unknown: IVB: 1 [1 - **1**] - 19 February 2005: ?: Collector Unknown: IVB: 3 [3 - **3**] - 20 February 2005: ?: Collector Unknown: IVB: 5 [5 - **5**] - 21 February 2005: ?: Collector Unknown: IVB: 2 [2 - **2**] - 8 February 2007: ?: Collector Unknown: IVB: 10 [10 - **10**] - 9 February 2007: ?: Collector Unknown: IVB: 2 [2 - **2** - **39**].
Linguere: 15 May 1966: Davis, R.M.: USNM: 1 [1 - **1**] - 22 May 1966: Davis, R.M.: USNM: 2 [2 - **2**] - 26 May 1966: Davis, R.M.: USNM: 50 [50 - **50**] - 27 May 1966: Davis, R.M.: USNM: 2 [2 - **2** - **55**].
Linguère: 2 October 1967: Descarpentier, A.; Villiers, A.: MNHN: 1 [1 - **1** - **1**].
Lodé: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8** - **8**].
Louga, 8 km E: 18 July 1966: Davis, R.M.: USNM: 41 [41 - **41** - **41**].
Mako: 22 August 2006: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].
Mako – camp: 14 December 2005: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].
Matam: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2**] - 8 April 1966: Davis, R.M.: USNM: 24 [24 - **24**] - 9 April 1966: Davis, R.M.: USNM: 5 [5 - **5** - **31**].
Mbilor: 10 November 2008: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].
M'Bour: 16 April 1965: Cornet; Taufflieb, R.: MHNG: 1 [1 - **1** - **1**].
Mbout [=Mbeute]: Collection Date Unknown: Spatz: ZMB: 20 [20 - **20** - **20**].
Missirah Saloum: Collection Date Unknown: Verschuren, Jacques: RBINS: 1 [1 - **1**] - 1 May 1975: Verschuren, Jacques: RBINS: 9 [9 - **9**] - 1 May 1977: Verschuren, Jacques: RBINS: 13 [13 - **13** - **23**].
Mount Assirik: Collection Date Unknown: ?: Collector Unknown: IVB: 1 [1 - **1**] - 16 February 2007: ?: Collector Unknown: IVB: 20 [20 - **20** - **21**].
Ndoro: Collection Date Unknown: Riggenbach: ZMB: 2 [2 - **2** - **2**].
N'gari: Collection Date Unknown: ?: Collector Unknown: MNHN: 12 [12]; Chateau, R.: MHNG: 1 [1 - **13** - **13**].
N'Goyé: 29 December 1965: Taufflieb, R.: MHNG: 1 [1 - **1** - **1**].
Niangné: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Nieki-Ko: 26 December 1980: KUL-expedition (Katholieke Universiteit Leuven), The: RMCA: 1 [1 - **1** - **1**].
Niériko: 18 February 2007: ?: Collector Unknown: IVB: 20 [20 - **20** - **20**].
Niériko – bridge: 4 February 2007: ?: Collector Unknown: IVB: 27 [27 - **27** - **27**].
Niokolo: 15 February 2007: ?: Collector Unknown: IVB: 19 [19 - **19** - **19**].
Niokolo Koba NP, Dar Salam: Collection Date Unknown: ?: Collector Unknown: IVB: 3 [3 - **3**] - 10 August 2006: Cervený, Jaroslav: IVB: 1 [1 - **1** - **4**].
Niokolo Koba NP, Dindefelo: Collection Date Unknown: ?: Collector Unknown: IVB: 2 [2 - **2** - **2**].
Niokolo Koba NP, Lengue: 4 May 2004: Cervený, Jaroslav: IVB: 1 [1 - **1** - **1**].
Niokolo Koba NP, Simenti: Collection Date Unknown: ?: Collector Unknown: IVB: 6 [6 - **6** - **6**].
Niokolo-Koba: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Ogo: 18 April 1966: Davis, R.M.: USNM: 5 [5 - **5** - **5**].
Pete Ole: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].
Pire Gouveye: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Podor: 24 March 1966: Davis, R.M.: USNM: 65 [65 - **65**] - 25 March 1966: Davis, R.M.: USNM: 19 [19 - **19** - **84**].
Ranerou: 24 June 1967: Robbins, C. Brian: USNM: 1 [1 - **1** - **1**].
Ranerou, 13 km NW: 25 June 1967: Robbins, C. Brian: USNM: 17 [17 - **17**] - 26 June 1967: Robbins, C. Brian: USNM: 17 [17 - **17** - **34**].
Ranerou, 7 km SE: 26 June 1967: Robbins, C. Brian: USNM: 2 [2 - **2**] - 27 June 1967: Robbins, C. Brian: USNM: 22 [22 - **22**] - 27 July 1967: Robbins, C. Brian: USNM: 28 [28 - **28** - **52**].
Richard Toll: Collection Date Unknown: ?: Collector Unknown: MNHN: 53 [53]; Steindachner, Franz: MCZ: 1 [1 - **54**] - 1 January 1931: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 1 September 1958: Roux, Francis: MNHN: 1 [1 - **1**] - 24 April 1964: Roux, Francis: MNHN: 1 [1 - **1**] - 31 March 1969: Chateau, R.: MNHN: 1 [1 - **1** - **58**].
Richard-Toll: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Saboya: Collection Date Unknown: ?: Collector Unknown: MNHN: 32 [32]; Simonkovitch, E.: MNHN: 1 [1 - **33**] - 28 April 1966: Taufflieb, R.: MHNG: 1 [1 - **1**] - 9 May 1966: Taufflieb, R.: MHNG: 2 [2 - **2**] - 1 October 1970: Chateau, R.: MNHN: 1 [1 - **1**] - 26 August 1971: Simonkovitch, E.: MNHN: 8 [8 - **8**] - 1 September 1971: Simonkovitch, E.: MNHN: 3 [3 - **3**] - 7

October 1971: Adam, F.: MNHN: 24 [24 - **24**] - 8 October 1971: Adam, F.: MNHN: 1 [1 - **1**] - 17 December 1971: Adam, F.: MNHN: 5 [5 - **5** - **78**].
Saint Louis, 10 km SE: 9 July 1966: Davis, R.M.: USNM: 1 [1 - **1**] - 10 July 1966: Davis, R.M.: USNM: 1 [1 - **1**] - 11 July 1966: Davis, R.M.: USNM: 1 [1 - **1**] - 12 July 1966: Davis, R.M.: USNM: 1 [1 - **1** - **4**].
Saint-Louis: 7 July 1952: Constantine, Denny G.: MVZ: 1 [1 - **1** - **1**].
Sangalkam: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Sedhiou: 6 February 1966: Davis, R.M.: USNM: 8 [8 - **8** - **8**].
Sedhiou Department: 6 February 1966: Davis, R.M.: USNM: 1 [1 - **1** - **1**].
Sénégal River: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].
Senegal, Upper: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Silacounta: Collection Date Unknown: ?: Collector Unknown: MNHN: 53 [53 - **53** - **53**].
Simenti: 2 May 2004: Cervený, Jaroslav: IVB: 1 [1 - **1**] - 3 May 2004: Cervený, Jaroslav: IVB: 1 [1 - **1**] - 30 October 2004: ?: Collector Unknown: IVB: 2 [2 - **2**] - 4 November 2004: ?: Collector Unknown: IVB: 1 [1 - **1**] - 2 March 2005: ?: Collector Unknown: IVB: 1 [1 - **1**] - 4 March 2005: ?: Collector Unknown: IVB: 4 [4 - **4**] - 13 August 2006: Cervený, Jaroslav: IVB: 3 [3 - **3**] - 15 August 2006: ?: Collector Unknown: IVB: 5 [5 - **5**] - 11 February 2007: ?: Collector Unknown: IVB: 17 [17 - **17**] - 13 February 2007: ?: Collector Unknown: IVB: 2 [2 - **2** - **37**].
Snake Island: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Tabadienke: Collection Date Unknown: Weidholz, Alfred: NMW: 6 [6 - **6** - **6**].
Tambacounda: 18 May 1934: Wonder, Frank C.: FMNH: 1 [1 - **1**] - 6 August 2006: ?: Collector Unknown: IVB: 3 [3 - **3** - **4**].
Tambacounda – Parc National de Niokolo-Koba: 16 December 2005: ?: Collector Unknown: IVB: 1 [1 - **1** - **1**].
Tambacounda region: 11 November 2002: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Thiès: Collection Date Unknown: Riggenbach: ZMB: 4 [4]; Rippenbach: BMNH: 1 [1 - **5** - **5**].
Thiès, 10 km W: 21 July 1966: Davis, R.M.: USNM: 16 [16 - **16** - **16**].
Touré: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Yonofere: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Ziguinchor: 28 January 1966: Davis, R.M.: USNM: 55 [55 - **55**] - 27 December 1982: Ames, P.L.: FMNH: 3 [3 - **3** - **58**].

Total Specimens for Senegal: 1791

Seychelles

Unknown locality: Collection Date Unknown: BMNH: 5, MNHN: 4, ZMB: 2 [11]; Mason, G.W.E.: RMNH: 1 [1 - **12**] - 1 July 1909: Pickwood, R.H.: SMF: 1 [1 - **1**] - 2 March 1964: ?: Collector Unknown: SMF: 2 [2 - **2**] - 14 May 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 May 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 22 May 1979: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 June 1994: ?: Collector Unknown: SMF: 1 [1 - **1** - **19**].
Aldabra: Collection Date Unknown: : FMNH: 2 [2 - **2**] - 20 July 1906: Thibault, Gustave: BMNH: 1 [1 - **1**] - 12 May 1954: Cherbonnier, Gustave: MNHN: 1 [1 - **1** - **4**].
Aldabra Atoll: 13 September 1908: Fryer, J.C.F.: BMNH: 2, CUMZ: 2 [4 - **4** - **4**].
Aldabra Island: Collection Date Unknown: Abbott, William Louis: USNM: 4 [4 - **4**] - 1 January 1892: Abbott, William Louis: USNM: 1 [1 - **1**] - 26 September 1892: Abbott, William Louis: USNM: 1 [1 - **1**] - 17 October 1892: Abbott, William Louis: USNM: 1 [1 - **1** - **7**].
Aldabra Research Station: 21 September 1975: Wilson, J.: BMNH: 1 [1 - **1** - **1**].
Aldabra Research Station, near: 4 May 1977: Whitelaw, J.J.: BMNH: 1 [1 - **1** - **1**].
Aldabra Settlement: 7 June 1968: Frazier, Jack G.: BMNH: 1 [1 - **1** - **1**].
Aldabra Station: 4 September 2004: Samedi, U.: FMNH: 1 [1 - **1** - **1**].
Amirante Island: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Parcon, K.: BMNH: 1 [1 - **2** - **2**].
Anse au Pins: 26 May 1980: Wilson, R.: RMNH: 1 [1 - **1** - **1**].
Cascade Estate: 28 February 1907: Thomasset, H.P.: RMNH: 1 [1 - **1** - **1**].
Dune Jean Louis: 20 March 1968: Hutson, Anthony Michael; Berger, J.: USNM: 1 [1 - **1** - **1**].
East Channel, E Shore: 4 October 1965: Wright: BMNH: 1 [1 - **1** - **1**].
Grand Anse: Collection Date Unknown: : BMNH: 3 [3]; Racey, Paul A.: BMNH: 2 [2 - **5** - **5**].
Grande Anse: Collection Date Unknown: ?: Collector Unknown: BMNH: 15 [15 - **15** - **15**].
La Digue: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
La Dique Island: 21 July 1954: Wiles, Gary J.: AMNH: 1 [1 - **1** - **1**].
Mahé: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; Sapsworth, A.D.: BMNH: 2 [2 - **4**] - 1 July 1966: Mission Université Libre de Bruxelles: RMCA: 2 [2 - **2** - **6**].
Mahe Island: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, MNHN: 4 [5]; Lanz: MNHN: 1 [1 - **6**] - 4 April 1890: Abbott, William Louis: USNM: 1 [1 - **1**] - 7 June 1991: Hollander, H.; Van der Glas, M.: ZMA: 2 [2 - **2** - **9**].
Mariane: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Marianne Island: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Picard Island: 9 April 1968: Lowery, R.: USNM: 1 [1 - **1** - **1**].
Praslin island: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; : BMNH: 6 [6]; Mason, G.W.E.: ZMA: 1 [1 - **9**] - 18 May 1979: : SMF: 3 [3 - **3** - **12**].
Seychelles, small islands near: Collection Date Unknown: Abbott, William Louis: USNM: 3 [3 - **3** - **3**].
Silhouette: Collection Date Unknown: : BMNH: 2 [2]; Gardiner, J. Stanley: BMNH: 1 [1 - **3** - **3**].
Silhouette Island: Collection Date Unknown: ?: Collector Unknown: BMNH: 8 [8]; Gardiner, J. Stanley: BMNH: 1 [1 - **9** - **9**].
South Island, Takamaka Grove: Collection Date Unknown: Hutson, Anthony Michael: BMNH: 5 [5 - **5** - **5**].
Valle Riche: 23 June 1990: Zug, George R.: USNM: 1 [1 - **1** - **1**].

Total Specimens for Seychelles: 118

Sierra Leone

Unknown locality: Collection Date Unknown: BMNH: 223, USNM: 112 [335]; : BMNH: 5 [5]; Burton, M.: MCZ: 1 [1]; Dobson, George Edward: USNM: 1 [1]; Hickman, J.: BMNH: 1 [1]; Royal Army Medical College, The: BMNH: 1 [1 - **344** - **344**].

100 miles off the coast of Sierra Leone: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
4 Kendall Street: 3 January 1971: Pitt, D.: ROM: 1 [1 - **1** - **1**].
Aberdeen Village: 30 August 1970: Pitt, D.: ROM: 1 [1 - **1**] - 6 February 1975: Pitt, D.: ROM: 5 [5 - **5** - **6**].
Bo: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 1 [1]; Todd, A.: HZM: 1 [1 - **3** - **3**].
Bo School: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Bonthe: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 2 [2]; Jones, Theo Simpson: BMNH: 2 [2]; Volz, W.: NMBE: 6 [6 - **11**] - 8 January 1948: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - 26 August 1948: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 24 November 1948: Jones, Theo Simpson: ROM: 1 [1 - **1** - **14**].
Bumban, 1 mi E: 11 April 1978: Krebs, John W.: USNM: 2 [2 - **2** - **2**].
Cole Farm: 1 December 1970: Pitt, D.: ROM: 3 [3 - **3**] - 2 December 1970: Pitt, D.: ROM: 1 [1 - **1**] - 5 December 1970: Pitt, D.: ROM: 2 [2 - **2**] - 9 December 1970: Pitt, D.: ROM: 1 [1 - **1** - **7**].
Fadugu: 18 April 1978: Krebs, John W.: USNM: 4 [4 - **4**] - 18 August 1978: Krebs, John W.: USNM: 1 [1 - **1** - **5**].
Forestry Training School, near: 14 April 1968: Robinson, Phillip T.: MSU: 1 [1 - **1** - **1**].
Freetown: Collection Date Unknown: Johnston, Harry H.: BMNH: 1 [1]; Jones, Theo Simpson: BMNH: 1 [1 - **2**] - 23 September 1886: Swoboda: NMW: 1 [1 - **1**] - 12 December 1928: Hoffman: ZMH: 1 [1 - **1**] - 31 July 1948: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - 8 September 1970: Pitt, D.: ROM: 2 [2 - **2**] - 9 September 1970: Pitt, D.: ROM: 1 [1 - **1**] - 14 September 1970: Pitt, D.: ROM: 1 [1 - **1**] - 22 September 1970: Pitt, D.: ROM: 1 [1 - **1**] - 26 November 1970: Pitt, D.: ROM: 1 [1 - **1**] - 22 December 1970: Pitt, D.: ROM: 1 [1 - **1**] - 3 January 1971: Pitt, D.: ROM: 3 [3 - **3**] - 6 January 1971: Pitt, D.: ROM: 2 [2 - **2**] - 18 February 1971: Pitt, D.: ROM: 1 [1 - **1**] - 1 March 1971: Pitt, D.: ROM: 1 [1 - **1**] - 1 July 1971: Pitt, D.: ROM: 1 [1 - **1**] - 20 July 1971: Pitt, D.: ROM: 1 [1 - **1**] - 1 January 1974: Bragg, E.: USNM: 1 [1 - **1**] - 18 February 1974: Avery, L.; Bragg, E.: USNM: 1 [1 - **1**] - 17 March 1974: Bragg, E.: USNM: 1 [1 - **1**] - 25 March 1974: Bragg, E.: USNM: 1 [1 - **1**] - 30 April 1974: Bragg, E.: USNM: 1 [1 - **1** - **26**].
Glote Village: 2 June 1976: Pitt, D.: ROM: 12 [12 - **12** - **12**].
Gola Forest Camp: 27 January 1981: Krebs, John W.: USNM: 14 [14 - **14**] - 28 January 1981: Krebs, John W.: USNM: 8 [8 - **8**] - 30 January 1981: Krebs, John W.: USNM: 1 [1 - **1** - **23**].
Hamilton Village: 1 January 1977: Pitt, D.: ROM: 17 [17 - **17** - **17**].
Hanjama, 1 mi [= 1.6 km] W: 25 April 1978: Krebs, John W.: USNM: 29 [29 - **29** - **29**].
Hanjama, 1 mi S: 25 April 1978: Krebs, John W.: USNM: 1 [1 - **1** - **1**].
Kabala: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kassewa Forest Reserve: Collection Date Unknown: Menzies, James Ian: BMNH: 2 [2 - **2** - **2**].
Kent: 6 February 1970: Pitt, D.: ROM: 1 [1 - **1**] - 8 February 1970: Pitt, D.: ROM: 1 [1 - **1**] - 12 February 1970: Pitt, D.: ROM: 1 [1 - **1**] - 3 August 1971: Pitt, D.: ROM: 1 [1 - **1**] - 5 August 1971: Pitt, D.: ROM: 2 [2 - **2** - **6**].
Kissey: 10 January 1970: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1**] - 10 February 1970: Cousins, S.H.; Pitt, D.: ROM: 3 [3 - **3** - **4**].
Kissy Village: 10 March 1971: Pitt, D.: ROM: 2 [2 - **2** - **2**].
Konia, 5 mi SE: 16 May 1978: Krebs, John W.: USNM: 1 [1 - **1** - **1**].
Lalehun: 24 February 1980: Krebs, John W.: USNM: 1 [1 - **1** - **1**].
Levuma: Collection Date Unknown: Richards, Jh.C.N.: ZMA: 1 [1 - **1** - **1**].
Lumley Village: 20 November 1970: Pitt, D.: ROM: 1 [1 - **1**] - 21 November 1970: Pitt, D.: ROM: 2 [2 - **2**] - 22 November 1970: Pitt, D.: ROM: 1 [1 - **1** - **4**].
Lunsar: 6 August 1970: Pitt, D.: ROM: 2 [2 - **2**] - 8 August 1970: Pitt, D.: ROM: 2 [2 - **2**] - 9 August 1970: Pitt, D.: ROM: 1 [1 - **1**] - 15 August 1970: Pitt, D.: ROM: 1 [1 - **1** - **6**].
Makeni: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Allison, F.R.: BMNH: 2 [2 - **3**] - 15 February 1939: Glanville, R.R.: BMNH: 1 [1 - **1**] - 12 November 1946: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 21 November 1946: Jones, Theo Simpson: ROM: 1 [1 - **1** - **7**].
Mongberi: 17 October 1954: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
Mount Aureol: 12 February 1970: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1**] - 13 February 1970: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1**] - 14 February 1970: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1**] - 20 February 1970: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1**] - 25 November 1970: Pitt, D.: ROM: 5 [5 - **5**] - 27 November 1970: Pitt, D.: ROM: 1 [1 - **1** - **10**].
Murray Town: 31 January 1970: Pitt, D.: ROM: 1 [1 - **1** - **1**].
Musaia: Collection Date Unknown: Allison, F.R.: BMNH: 2 [2 - **2**] - 24 August 1960: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 6 April 1962: Allison, A.: BMNH: 1 [1 - **1**] - 9 May 1962: Allison, F.R.: BMNH: 1 [1 - **1**] - 18 May 1962: Allison, F.R.: BMNH: 1 [1 - **1** - **6**].
Newton: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 6 March 1970: Cousins, S.H.; Pitt, D.: ROM: 1 [1 - **1**] - 10 March 1970: Cousins, S.H.; Pitt, D.: ROM: 2 [2 - **2** - **4**].
Njala: Collection Date Unknown: Jones, Theo Simpson: BMNH: 6 [6 - **6**] - 20 July 1914: Burting (or Bunting), R.K. (or R.H.): BMNH: 1 [1 - **1**] - 1 January 1946: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 3 March 1946: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 30 January 1947: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 9 July 1947: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 14 July 1947: Jones, Theo Simpson: BMNH: 2 [2 - **2**] - 25 July 1947: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 7 July 1949: Jones, Theo Simpson: AMNH: 1, ROM: 2 [3 - **3** - **18**].
Njala Taja River: 11 April 1969: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1**] - 13 April 1969: Thys Van den Audenaerde, Dirk: RMCA: 1 [1 - **1** - **2**].
no specific locality: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Smith, F.C.: BMNH: 1 [1 - **2** - **2**].
Outamba-Kilimi-NP: Collection Date Unknown: ?: Collector Unknown: USNM: 3 [3 - **3**] - 22 May 1984: Robbins, C. Brian: USNM: 11 [11 - **11**] - 23 May 1984: Robbins, C. Brian: USNM: 8 [8 - **8**] - 24 May 1984: Robbins, C. Brian: USNM: 5 [5 - **5**] - 25 May 1984: Robbins, C. Brian: USNM: 1 [1 - **1**] - 26 May 1984: Robbins, C. Brian: USNM: 1 [1 - **1** - **29**].
Outamba-Kilimi-NP, HQ, W bank Kaba river: 16 April 1984: Robbins, C. Brian; Schmidt, D.F.: USNM: 10 [10 - **10**] - 17 April 1984: Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: USNM: 5 [5 - **5**] - 18 April 1984: Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: USNM: 9 [9 - **9**] - 20 April 1984: Robbins, C. Brian: USNM: 8 [8]; Schmidt, D.F.: USNM: 3 [3 - **11**] - 22 April 1984: Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: USNM: 5 [5 - **5**] - 23 April 1984: Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: USNM: 5 [5 - **5**] - 24 April 1984: Carleton, Michael Dean; Robbins, C. Brian: USNM: 1 [1]; Carleton, Michael Dean; Robbins, C. Brian; Schmidt, D.F.: USNM: 5 [5 - **6**] - 13 May 1984: Carleton, Michael Dean: USNM: 3 [3]; Schmidt, D.F.: USNM: 1 [1 - **4** - **55**].
Outamba-Kilimi-NP, Kilimi section: 29 April 1984: Robbins, C. Brian: USNM: 2 [2 - **2**] - 30 April 1984: Robbins, C. Brian; Schmidt, D.F.: USNM: 3 [3 - **3** - **5**].

Outamba-Kilimi-NP, Outamba section: 15 May 1984: Robbins, C. Brian; Schmidt, D.F.: USNM: 8 [8 - **8**] - 16 May 1984: Robbins, C. Brian: USNM: 7 [7 - **7**] - 17 May 1984: Robbins, C. Brian: USNM: 2 [2 - **2**] - 18 May 1984: Robbins, C. Brian: USNM: 3 [3 - **3**] - 19 May 1984: Robbins, C. Brian: USNM: 1 [1 - **1** - **21**].
Panguma, 10 mi [=16 km]N: 7 July 1978: Krebs, John W.: USNM: 2 [2 - **2**] - 17 October 1978: Krebs, John W.: USNM: 1 [1 - **1**] - 16 December 1978: Krebs, John W.: USNM: 1 [1 - **1** - **4**].
Panguma, 10 mi N: 7 July 1978: Krebs, John W.: USNM: 3 [3 - **3**] - 12 July 1978: Krebs, John W.: USNM: 2 [2 - **2**] - 17 October 1978: Krebs, John W.: USNM: 2 [2 - **2**] - 18 October 1978: Krebs, John W.: USNM: 2 [2 - **2**] - 22 October 1978: Krebs, John W.: USNM: 2 [2 - **2**] - 23 October 1978: Krebs, John W.: USNM: 1 [1 - **1**] - 24 October 1978: Krebs, John W.: USNM: 3 [3 - **3**] - 25 October 1978: Krebs, John W.: USNM: 1 [1 - **1**] - 20 January 1979: Krebs, John W.: USNM: 1 [1 - **1**] - 22 January 1979: Krebs, John W.: USNM: 1 [1 - **1**] - 23 January 1979: Krebs, John W.: USNM: 1 [1 - **1**] - 25 January 1979: Krebs, John W.: USNM: 2 [2 - **2**] - 27 January 1979: Krebs, John W.: USNM: 1 [1 - **1**] - 29 January 1979: Krebs, John W.: USNM: 1 [1 - **1** - **23**].
Petifu: 10 September 1938: Glanville, R.R.: BMNH: 2 [2 - **2** - **2**].
Rokupr: Collection Date Unknown: : BMNH: 1 [1 - **1**] - 29 July 1938: Glanville, R.R.: BMNH: 1 [1 - **1**] - 23 January 1951: Jones, Theo Simpson: MCZ: 2 [2 - **2** - **4**].
Russel village: 15 July 1976: Pitt, D.: ROM: 12 [12 - **12** - **12**].
Saltpan, near: Collection Date Unknown: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
Scaries river: Collection Date Unknown: Jones, Theo Simpson: BMNH: 1 [1]; Scott Elliot, G.: BMNH: 2 [2 - **3** - **3**].
Segbwema: 26 April 1978: Krebs, John W.: USNM: 6 [6 - **6**] - 4 May 1978: Krebs, John W.: USNM: 7 [7 - **7**] - 2 February 1980: Krebs, John W.: USNM: 1 [1 - **1**] - 6 February 1980: Krebs, John W.: USNM: 2 [2 - **2**] - 7 February 1980: Krebs, John W.: USNM: 1 [1 - **1** - **17**].
Segbwema, 1 mi [= 1.6 km]SE: 1 June 1978: Krebs, John W.: USNM: 44 [44 - **44** - **44**].
Segbwemba: 26 April 1978: Krebs, John W.: USNM: 2 [2 - **2**] - 4 May 1978: Krebs, John W.: USNM: 1 [1 - **1** - **3**].
Serabu: 25 September 1978: Krebs, John W.: USNM: 3 [3 - **3** - **3**].
Sierra Leone: Collection Date Unknown: Dobson, A.F.: ZFMK: 1 [1]; Jones, Theo Simpson: BMNH: 1 [1 - **2** - **2**].
Tasso island: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Lowe, Willoughby P.: BMNH: 1 [1 - **2** - **2**].
Tonkilili district: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Waterloo: Collection Date Unknown: Jones, Theo Simpson: BMNH: 2 [2 - **2** - **2**].
Wellington Village: 14 July 1970: Pitt, D.: ROM: 3 [3 - **3**] - 15 July 1970: Pitt, D.: ROM: 1 [1 - **1** - **4**].
Yengema: 15 December 1978: Krebs, John W.: USNM: 17 [17 - **17** - **17**].
Yengewa, 0.5 mi E: 16 June 1978: Krebs, John W.: USNM: 2 [2 - **2** - **2**].
Yile Island: 21 November 1948: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
York: 22 February 1970: Pitt, D.: ROM: 1 [1 - **1** - **1**].

Total Specimens for Sierra Leone: 830

Somalia

Unknown locality: Collection Date Unknown: BMNH: 26 [26]; Varty, Nigel: BMNH: 22 [22 - **48** - **48**].
Afgoi: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2]; de Selys-Longschamps, Edmond: USNM: 1 [1 - **3**] - 1 September 1958: Sammicheli, A.: MZUF: 1 [1 - **1**] - 8 August 1959: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 20 September 1959: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 10 August 1961: Gans, Carl: AMNH: 1 [1 - **1**] - 1 January 1962: ?: Collector Unknown: MZUF: 1 [1 - **1** - **8**].
Afmadu: Collection Date Unknown: ?: Collector Unknown: MZUF: 2 [2 - **2** - **2**].
Balad: 28 July 1961: Gans, Carl: AMNH: 1 [1 - **1**] - 3 August 1961: Gans, Carl: AMNH: 1 [1 - **1** - **2**].
Balad, 1 mi S: 11 August 1961: Gans, Carl: AMNH: 12 [12 - **12** - **12**].
Balad, 5 mi S: 9 August 1961: Gans, Carl: AMNH: 1 [1 - **1** - **1**].
Barawa: Collection Date Unknown: Hildebrandt, Johann Maria: ZMB: 1 [1 - **1** - **1**].
Bender Cassim: Collection Date Unknown: Scortecci, G.: MSNM: 4 [4 - **4** - **4**].
Bender Geoid: 13 March 1987: Small, J.; Small, G.: USNM: 7 [7 - **7** - **7**].
Berbera, near: 30 December 1953: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Bulo Burti: Collection Date Unknown: Schlitter, Duane Albert: CM: 25 [25 - **25**] - 8 October 1980: Schlitter, Duane Albert: CM: 1 [1 - **1** - **26**].
Burao: Collection Date Unknown: Berry, G.W.: BMNH: 1 [1 - **1**] - 16 June 1915: Brockman, D.: BMNH: 1 [1 - **1**] - 28 August 1946: Glover, P.E.: MCZ: 1 [1 - **1** - **3**].
Callis: Collection Date Unknown: ?: Collector Unknown: MZUF: 3 [3 - **3**] - 20 August 1969: ?: Collector Unknown: MZUF: 3 [3 - **3** - **6**].
Candala: 21 July 1953: Scortecci, G.: MSNM: 1 [1 - **1**] - 21 August 1961: Gans, Carl: AMNH: 2 [2 - **2** - **3**].
Chisimaio: Collection Date Unknown: Ward, C?: BMNH: 2 [2 - **2** - **2**].
Dowa: Collection Date Unknown: Tribe, A.R.: BMNH: 3 [3 - **3** - **3**].
Eggi, 4 km S: 22 August 1962: Granchi, E.: MZUF: 1 [1 - **1** - **1**].
El Amba cave: 4 November 1980: Schlitter, Duane Albert: TTU: 1 [1 - **1**] - 10 November 1980: Schlitter, Duane Albert: TTU: 1 [1 - **1** - **2**].
El Amha Cave: 3 November 1980: Schlitter, Duane Albert: BRTC: 1 [1 - **1**] - 11 November 1980: Schlitter, Duane Albert: BRTC: 1 [1 - **1** - **2**].
El Bur to El Der, road between: 20 August 1959: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
El-Bur: Collection Date Unknown: Bovone, E.: MSNM: 1 [1 - **1**] - 13 August 1959: ?: Collector Unknown: TM: 3 [3 - **3**] - 20 August 1959: ?: Collector Unknown: TM: 1 [1 - **1** - **5**].
Galgalo Oase: 10 July 1974: Lanza, Benedetto Giuseppe Antonio; Azzaroli Puccetti, Maria E.: MZUF: 15 [15 - **15** - **15**].
Gelib: 4 September 1959: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 12 October 1978: Ash, John S.: USNM: 1 [1 - **1** - **2**].
Genale: 1 January 1957: Sammicheli, A.: MZUF: 3 [3 - **3**] - 5 September 1959: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 6 September 1959: ?: Collector Unknown: MZUF: 1 [1 - **1** - **5**].
Giohar: Collection Date Unknown: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 25 April 1968: Lanza, Benedetto Giuseppe Antonio: MZUF: 1 [1 - **1**] - 3 August 1968: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 4 August 1968: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 5 August 1968: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 6 August 1968: ?: Collector Unknown: MZUF: 2 [2 - **2**]

- 7 September 1968: ?: Collector Unknown: MZUF: 2 [2 - **2**] - 25 August 1969: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 4 August 1970: Granchi, E.; Lanza, Benedetto Giuseppe Antonio; Innoc…: MZUF: 1 [1 - **1**] - 27 August 1979: ?: Collector Unknown: MZUF: 1 [1 - **1** - **12**].

Grotta di Showli Berdi: Collection Date Unknown: ?: Collector Unknown: MZUF: 9 [9 - **9** - **9**].

Hargeisa: Collection Date Unknown: Osman Hill, W.C.; Tribe, A.R.: BMNH: 1 [1 - **1**] - 14 November 1897: Hawker, R. McDonald: BMNH: 1 [1 - **1**] - 20 December 1920: Brown, Barnum: AMNH: 1 [1 - **1**] - 21 January 1948: MacFayden, W.A.: BMNH: 1 [1 - **1**] - 18 April 1953: Laurie, J.J.: BMNH: 1 [1 - **1**] - 1 August 1958: ?: Collector Unknown: CAS: 3 [3 - **3**] - 10 August 1958: ?: Collector Unknown: CAS: 5 [5 - **5** - **13**].

Jamaame: Collection Date Unknown: Schlitter, Duane Albert: CM: 18 [18 - **18** - **18**].

Jamaame, 4 km S, 4 km W: 10 March 1980: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 11 March 1980: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 12 March 1980: Schlitter, Duane Albert: CM: 3 [3 - **3**] - 13 March 1980: Schlitter, Duane Albert: CM: 2 [2 - **2**] - 10 March 1982: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 11 March 1982: Schlitter, Duane Albert: CM: 4 [4 - **4**] - 12 March 1982: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 13 March 1982: Schlitter, Duane Albert: CM: 1 [1 - **1** - **14**].

Jamaame, 5 km S, 7.5 km W: 14 March 1982: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Jubba Valley, Shonto Forest: Collection Date Unknown: Varty, Nigel: BMNH: 1 [1 - **1** - **1**].

Kismaju [=Kismayu]: Collection Date Unknown: von Erlanger, C.: ZMB: 2 [2 - **2** - **2**].

Libsoma farm: Collection Date Unknown: Schlitter, Duane Albert: CM: 34 [34 - **34**] - 25 September 1980: Schlitter, Duane Albert: BRTC: 1 [1 - **1**] - 28 September 1980: Schlitter, Duane Albert: BRTC: 1, TTU: 1 [2 - **2**] - 30 September 1980: Schlitter, Duane Albert: BRTC: 1 [1 - **1** - **38**].

Mallable: 5 November 1978: Ash, John S.: USNM: 3 [3 - **3**] - 6 November 1978: Ash, John S.: USNM: 1 [1 - **1** - **4**].

Mareri: 26 January 1979: Johnson, P.: CAS: 1 [1 - **1** - **1**].

Mijertein province: 5 July 1953: Scortecci, G.: MSNM: 1 [1 - **1** - **1**].

Mogadischu [=Mogadishiu =Moqdisho]: Collection Date Unknown: Müller: ZMB: 48 [48 - **48** - **48**].

Mogadiscio: Collection Date Unknown: ?: Collector Unknown: MSNM: 1 [1 - **1**] - 15 January 1965: Williams, John George: ROM: 1 [1 - **1** - **2**].

Mogadisio: 24 July 1961: Gans, Carl: AMNH: 1 [1 - **1** - **1**].

Mogadisio, 3 mi N: 27 August 1961: Gans, Carl: AMNH: 27 [27 - **27** - **27**].

Mount Fink: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5** - **5**].

no specific locality: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1]; Müller: ZMB: 4 [4 - **5** - **5**].

Oddur: 1 January 1929: Brozzi, N. Mosconi: MSNG: 1 [1 - **1** - **1**].

Ola Uager: 16 August 1970: ?: Collector Unknown: MZUF: 1 [1 - **1** - **1**].

Pozzi di Mahas: 9 August 1959: Sammicheli, A.: MZUF: 1 [1 - **1** - **1**].

Pozzi Meddo Erelle: Collection Date Unknown: Bottego, Vittorio: MSNG: 1 [1 - **1** - **1**].

Ruspoli: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Shoonto forest: Collection Date Unknown: Varty, Nigel: BMNH: 1 [1 - **1** - **1**].

Snai Sugar Plantation: Collection Date Unknown: Schlitter, Duane Albert: CM: 71 [71 - **71**] - 18 October 1980: Schlitter, Duane Albert: BRTC: 1, TTU: 1 [2 - **2**] - 19 October 1980: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 20 October 1980: Schlitter, Duane Albert: BRTC: 1 [1 - **1**] - 21 October 1980: Schlitter, Duane Albert: CM: 2 [2 - **2**] - 22 October 1980: Schlitter, Duane Albert: BRTC: 2, CM: 9 [11 - **11**] - 23 October 1980: Schlitter, Duane Albert: CM: 2 [2 - **2**] - 24 October 1980: Schlitter, Duane Albert: CM: 4, TTU: 1 [5 - **5**] - 25 October 1980: Schlitter, Duane Albert: CM: 2 [2 - **2** - **97**].

Somalia: Collection Date Unknown: ?: Collector Unknown: MZUF: 1 [1]; Chandler, W.A.: USNM: 1 [1]; Revoil: MNHN: 4 [4 - **6** - **6**].

Taleh cave: 4 July 1981: ?: Collector Unknown: MZUF: 10 [10 - **10** - **10**].

Unknown locality: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Upper Sheikh: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **2**] - 24 August 1907: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1**] - 10 October 1909: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1**] - 19 November 1909: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1**] - 5 December 1909: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1**] - 18 December 1909: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1**] - 11 January 1910: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1**] - 17 February 1910: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1** - **9**].

Villabruzzi [=Villa del dottore Abruzzi]: 30 July 1962: ?: Collector Unknown: MZUF: 2 [2 - **2**] - 26 August 1962: Missione Biologica Somalia, La: MZUF: 1 [1 - **1** - **3**].

Villagio Duca delgli Abbruzzi: 1 January 1962: Savage, F.T.: AMNH: 6 [6 - **6** - **6**].

Wadajir, 8 km N, 4.5 km E: 17 March 1982: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].

Zeila [=Saylac]: Collection Date Unknown: von Erlanger, C.: ZMB: 2 [2 - **2** - **2**].

Zeyla: 24 October 1910: Drake-Brockman, Ralph Evelyn: BMNH: 4 [4 - **4**] - 29 October 1910: Drake-Brockman, Ralph Evelyn: BMNH: 1 [1 - **1** - **5**].

Total Specimens for Somalia: 513

South Africa

Unknown locality: Collection Date Unknown: BMNH: 105, DNSM: 1, HZM: 1, MSNG: 1, RMNH: 2, SAMC: 1, SMF: 1, SRSITE: 1, TM: 2 [115]; : AMNH: 1 [1]; Brandt: ZMB: 1 [1]; Larson, Thomas ("Tom"): AMNH: 9 [9]; Radinsky, Leonard B.: FMNH: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2]; Smit, H.A.W.: RMNH: 1 [1]; Swanepoel, Pierre: TTU: 2 [2 - **132**] - 1 January 1837: Verroux, W.: SMF: 1 [1 - **1**] - 4 March 1925: Roberts, W.W.: MCZ: 1 [1 - **1**] - 13 February 1951: ?: Collector Unknown: ZMA: 1 [1 - **1**] - 3 March 1951: ?: Collector Unknown: ZMA: 1 [1 - **1**] - 15 March 1953: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 April 1954: ?: Collector Unknown: TM: 1 [1 - **1**] - 19 January 1958: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 June 1958: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 September 1977: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: MMK: 1 [1 - **1**] - 8 February 1978: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1**] - 10 February 1978: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1**] - 9 October 1979: de Kock, P.W.: TM: 5 [5 - **5**] - 1 January 1980: ?: Collector Unknown: ZMA: 1 [1 - **1**] - 30 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1**] - 19 August 1982: Wolhuter, David A.; Cassidy, R.J.: TM: 2 [2 - **2**] - 19 September 1982: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - 21 September 1982: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 24 October 1998: Kearney, R.: MMK: 1 [1 - **1** - **156**].

"Cape of Good Hope" [=syn. "Kaap Goede Hoop"]: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Boncard, A.: MSNG: 1 [1]; Layard, Edgar Leopold: MCZ: 1 [1]; Verreaux, Jules Pierre: MNHN: 4 [4]; Ward, Henry Augustus: MCZ: 1 [1 - **8** - **8**].
"Onmeetbare" cave: 7 July 1962: Rau, R.: SMF: 4 [4 - **4** - **4**].
???: 11 April 2005: Cohen, Lientjie: TM: 1 [1 - **1**] - 26 April 2005: Cohen, Lientjie: TM: 2 [2 - **2** - **3**].
13 km E Pietermaritzburg: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
27 Arnold Road: 14 January 2004: Harrison, James: TM: 1 [1 - **1**] - 15 February 2004: Harrison, James: TM: 1 [1 - **1** - **2**].
38 Andries Street: Collection Date Unknown: Roberts, Austin: TM: 1 [1 - **1** - **1**].
40 km N Polokwane [=Pietersburg], on Louis Trichard Road: 8 June 1975: Branch, William [="Bill"] R.: TM: 2 [2 - **2** - **2**].
40 miles W of War Grave, Molopo River: 7 August 1932: Chivers, U.B.: TM: 1 [1 - **1** - **1**].
5 km N Potgietersrus: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Aberdeen: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Acornhoek: 19 June 1967: Herbert, H.J.: TM: 1 [1 - **1** - **1**].
Adams M.S.: 18 July 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **1**].
Addington: 1 September 1973: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 November 1997: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 17 July 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Agriculture station: 29 August 1973: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Albany district: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1]; : KM: 7 [7 - **8**] - 28 September 1896: ?: Collector Unknown: SAMC: 1 [1 - **1**] - 24 August 1982: ?: Collector Unknown: SAMC: 1 [1 - **1** - **10**].
Albert Falls Nature Reserve: 1 October 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 February 1998: Craigie, John: DNSM: 1 [1 - **1**] - 22 March 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 August 1999: Taylor, Peter John; Rahman: DNSM: 1 [1 - **1** - **4**].
Albert Falls Public Resort: 18 February 1986: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Albert Falls Resource Reserve: 1 November 1991: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 15 September 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 22 March 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 August 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 December 1999: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 2 June 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **9**].
Alexandria: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Algeria Forest Research Station: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Alice: 17 December 1934: Hanchuan: KM: 1 [1 - **1**] - 19 December 1934: Hendunan: KM: 1 [1 - **1** - **2**].
Aliwal North: 12 September 1984: ?: Collector Unknown: NMB: 4 [4 - **4**] - 2 October 1986: ?: Collector Unknown: NMB: 3 [3 - **3** - **7**].
Alma: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Alverstone Lot 514: 15 December 2004: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Amanzi Estate: 26 August 1947: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].
Amanzimtoti: 7 June 1961: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 3 August 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 27 November 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 22 December 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 24 April 1985: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 April 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 September 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 February 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 June 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 September 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 February 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 March 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 March 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 June 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 August 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 April 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 July 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 22 July 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 March 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 February 2004: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 May 2004: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 June 2004: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 November 2004: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 31 December 2004: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 June 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 September 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 February 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 August 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 September 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 October 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 November 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 February 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 22 May 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 December 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 April 2009: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 June 2009: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 August 2009: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 July 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **42**].
Amatikulu Mountain: 5 December 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
American cave: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 24 November 1921: Hoepen, V.: TM: 1 [1]; van Hoepen: TM: 2 [2 - **3**] - 19 November 1964: Coetzee, C.G.: TM: 1 [1 - **1**] - 14 May 1966: Coetzee, C.G.: TM: 2 [2 - **2**] - 30 July 1966: Coetzee, C.G.: TM: 2 [2 - **2**] - 25 January 1967: Coetzee, C.G.: TM: 4 [4 - **4**] - 11 December 1967: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 25 November 1968: ?: Collector Unknown: BRTC: 3 [3 - **3**] - 20 June 1975: Norton, Peter M.: TM: 4 [4 - **4**] - 5 July 1988: van der Merwe, Mac: TM: 3 [3 - **3**] - 6 July 1988: van der Merwe, Mac: TM: 3 [3 - **3**] - 28 August 1989: Viviers, L.: TM: 13 [13 - **13**] - 26 April 1995: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **41**].
Animal Lodge: 21 January 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Anthrax camp: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3 - **3**] - 29 January 1982: ?: Collector Unknown: TM: 1 [1 - **1**] - 31 January 1982: Espie, Ian W.: KNP: 1 [1 - **1**] - 1 February 1982: Espie, Ian W.: KNP: 2 [2 - **2**] - 2 February 1982: Espie, Ian W.: KNP: 2 [2 - **2**] - 3 February 1982: Espie, Ian W.: KNP: 3 [3 - **3**] - 4 February 1982: Espie, Ian W.: KNP: 1 [1 - **1**] - 5 February 1982: Espie, Ian W.: KNP: 1 [1 - **1**] - 7 February 1982: ?: Collector Unknown: TM: 2 [2]; Espie, Ian W.: KNP: 3 [3 - **5**] - 30 September 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 30 November 1983: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **11**] - 28 February 1984: ?: Collector Unknown: TM: 9 [9]; Rautenbach, Ignatius Lourens [=Naas]: TM: 23 [23 - **32**] - 29 February 1984: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **8**] - 31 March 1984: ?: Collector Unknown: TM: 12 [12]; Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **15**] - 4 April 1984: ?: Collector Unknown: TM: 2 [2 - **2**] - 25 June 1984: Wolhuter, David A.; Coetzer, D.J.: TM: 3 [3 - **3**] - 28 August 1984: ?: Collector Unknown: TM: 5 [5 - **5**] - 31 January 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - 6 February 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 17 April 1985: ?: Collector Unknown: TM: 3 [3 - **3**] - 1 June 1985: ?: Collector Unknown: TM: 2 [2 - **2**] - 3 November 1985: ?: Collector Unknown: TM: 1 [1 - **1**] - 27 November 1985: ?: Collector Unknown: TM: 1 [1 - **1**] - 8 February 1989:

Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 24 October 1990: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **115**].

Ararat, Sterkfontein Dam Nature Reserve: 28 October 1990: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Ashburton, farm: 18 May 1972: Wingate, Lloyd R.: TM: 1 [1 - **1** - **1**].

Athlone Park: 16 December 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 December 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 22 July 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Augrabies Falls NR: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Augrabies Falls-NP: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1**] - 27 January 1970: Rautenbach, Ignatius Lourens [=Naas]; Lombard, L.J.: TM: 1 [1 - **1**] - 8 May 1977: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 1 [1 - **1**] - 8 September 1977: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 1 [1 - **1** - **4**].

Augrabies Falls-NP, causway: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Augrabies Waterfall Natational Park: 29 January 1970: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Babanango: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].

Badplaas: 11 January 1996: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].

Ballito: 7 November 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Ballito-Westbrook: 1 October 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Balule Private Nature Reserve, Oliphants River: 20 June 2001: Barlow, C.: TM: 1 [1 - **1**] - 16 August 2001: Fernsby, Nigel: TM: 1 [1 - **1** - **2**].

Bangu Poort, cave near: 22 April 1961: Pienaar, Uys de Villiers: KNP: 2 [2 - **2** - **2**].

Baobab Hill, 200 m S: 6 February 1982: Espie, Ian W.: KNP: 1 [1 - **1** - **1**].

Barberspan Provincial Nature Reserve: 11 February 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6**] - 12 February 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **8**].

Barberton: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 8 May 1911: ?: Collector Unknown: TM: 1 [1 - **1**] - 3 June 1914: Roberts, Austin: TM: 1 [1 - **1**] - 19 March 1920: ?: Collector Unknown: TM: 3 [3 - **3**] - 20 March 1920: ?: Collector Unknown: TM: 2 [2 - **2**] - 23 March 1920: ?: Collector Unknown: TM: 2 [2 - **2**] - 6 July 1971: ?: Collector Unknown: TM: 5 [5 - **5**] - 30 July 1971: ?: Collector Unknown: TM: 15 [15 - **15**] - 8 December 1978: ?: Collector Unknown: TM: 5 [5 - **5**] - 11 December 1978: ?: Collector Unknown: TM: 1 [1 - **1**] - 12 December 1978: ?: Collector Unknown: TM: 2 [2 - **2**] - 13 December 1978: ?: Collector Unknown: TM: 1 [1 - **1**] - 27 September 2009: Stoffberg, Samantha; Cohen, Lientjie: DNSM: 2 [2 - **2** - **42**].

Barberton [=Umhlumna]: 18 October 1922: Van Dam, G.P.: TM: 1 [1 - **1**] - 8 December 1978: Ginn, P.J.G.: TM: 2 [2 - **2** - **3**].

Barberton tunnel: 27 September 2009: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Barberton, 14 km NW: Collection Date Unknown: Liversedge, S.J.: USNM: 2 [2]; Robbins, Lynn W.: CM: 1 [1 - **3**] - 20 November 1975: Robbins, Lynn W.: CM: 1 [1 - **1**] - 21 November 1975: Robbins, Lynn W.: CM: 3 [3 - **3**] - 22 November 1975: Robbins, Lynn W.: CM: 1 [1 - **1** - **8**].

Barberton, 14 mi [= 22 km] W: 12 October 1969: Liversedge, S.J.: USNM: 21 [21 - **21** - **21**].

Barberton, 2 mi [= 3.2 km] SW: 16 November 1966: Rautenbach, Ignatius Lourens [=Naas]: USNM: 23 [23]; Silberstein, A.R.: USNM: 20 [20 - **43** - **43**].

Barberton, 3 km SW: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Barberton, Municipal Camping Site: 18 July 1993: Bronner, Gary Neil; *et al.*: TM: 1 [1 - **1** - **1**].

Barkley East: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].

Barkley West: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].

Barkly East: 14 March 1985: ?: Collector Unknown: NMB: 3 [3 - **3**] - 18 April 1985: ?: Collector Unknown: NMB: 1 [1 - **1**] - 13 January 1986: ?: Collector Unknown: NMB: 1 [1 - **1** - **5**].

Bassoutos country: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Bassutoland: Collection Date Unknown: Christol, Frédéric: MNHN: 1 [1 - **1** - **1**].

Bathurst: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].

Bat's Cave: 26 April 1979: Swanepoel, Pierre; Wingate, Lloyd R.: ZMA: 4 [4 - **4** - **4**].

Battelary: 25 November 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Baviaanspoort Sewage Works: 21 October 1992: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Bayete Camp: 15 February 2007: ?: Collector Unknown: DNSM: 9 [9 - **9**] - 2 May 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **10**].

Bazely Village: 20 June 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Beaumont: 1 October 1912: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Bedford: Collection Date Unknown: : KM: 2, TM: 1 [3 - **3**] - 23 December 1932: Turnbull, Jack K.: MCZ: 1 [1 - **1** - **4**].

Bedford, SE: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].

Belfast Town: 17 January 1990: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Belfonan: 1 November 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Bellair: 22 July 1986: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 May 1988: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 February 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 May 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 January 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].

Bellar Adduss: 27 December 2000: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Bellsbank Estates: 14 June 1983: ?: Collector Unknown: TM: 13 [13 - **13** - **13**].

Belvedere: Collection Date Unknown: ?: Collector Unknown: NRM: 1 [1 - **1** - **1**].

Benghensdorp: 6 December 1925: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Berea: 26 April 1913: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 November 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 30 November 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 October 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 October 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 September 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].

Berg Plants farm: 27 October 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Berg River: 21 November 1917: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Berg-en-Dal: 16 August 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Bergplaas: Collection Date Unknown: Palmer, Guy: SAMC: 1 [1 - **1** - **1**].

Berlin: 6 May 2001: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Bethlehem: 10 March 1980: ?: Collector Unknown: NMB: 3 [3 - **3**] - 5 September 1988: ?: Collector Unknown: NMB: 1 [1 - **1**] - 6 September 1988: ?: Collector Unknown: NMB: 1 [1 - **1** - **5**].

Bethulie: 9 February 1983: ?: Collector Unknown: NMB: 4 [4 - **4** - **4**].

Birchleig: 16 January 1966: Coetzee, C.G.: TM: 1 [1 - **1**] - 1 March 1966: Coetzee, C.G.: TM: 1 [1 - **1** - **2**].
Birthday Goldmine: 3 May 1920: Streeter, J.: TM: 1 [1 - **1** - **1**].
Bishopstowe cave: Collection Date Unknown: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 2 [2 - **2**] - 17 March 1955: ?: Collector Unknown: TM: 4 [4]; Meester, Jurgens Anthonie Janse [=Waldo]: TM: 6 [6 - **10**] - 17 March 1959: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - 14 June 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **14**].
Bisley: 13 May 1995: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Black Eagle Lodge: 14 November 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 November 2010: ?: Collector Unknown: DNSM: 6 [6 - **6**] - 31 March 2012: ?: Collector Unknown: DNSM: 7 [7 - **7** - **14**].
Blaney Nature Reserve: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Bleskop: 2 February 1917: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].
Blijdschap PNR: 9 July 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Blinkklip cave: 2 March 2010: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].
Bloemfontein: 26 May 1947: ?: Collector Unknown: NMB: 1 [1 - **1**] - 22 January 1951: Van Ee, W.F.: ZMA: 1 [1 - **1**] - 13 April 1965: ?: Collector Unknown: NMB: 1 [1 - **1**] - 26 November 1972: ?: Collector Unknown: NMB: 1 [1 - **1**] - 10 February 1973: ?: Collector Unknown: NMB: 3 [3 - **3**] - 6 September 1974: ?: Collector Unknown: NMB: 3 [3 - **3**] - 10 September 1974: ?: Collector Unknown: NMB: 1 [1 - **1**] - 26 April 1976: ?: Collector Unknown: NMB: 1 [1 - **1**] - 20 September 1976: ?: Collector Unknown: NMB: 1 [1 - **1**] - 15 September 1977: ?: Collector Unknown: NMB: 1 [1 - **1**] - 8 December 1980: ?: Collector Unknown: NMB: 1 [1 - **1**] - 7 January 1984: ?: Collector Unknown: NMB: 1 [1 - **1**] - 27 October 1987: ?: Collector Unknown: NMB: 31 [31 - **31**] - 8 October 1990: ?: Collector Unknown: NMB: 1 [1 - **1** - **48**].
Bloemfontein, 21 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Bloemhoef District: Collection Date Unknown: : TM: 1 [1 - **1** - **1**].
Blouberg Private Nature Reserve]: 30 June 1974: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 July 1974: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **9**] - 2 July 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 19 May 2012: ?: Collector Unknown: DNSM: 12 [12 - **12** - **24**].
Bluff: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 September 1989: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 July 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 January 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 April 1997: ?: Collector Unknown: DNSM: 11 [11 - **11**] - 29 February 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 May 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 July 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 April 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 May 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 November 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 30 December 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 October 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 October 2008: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 24 December 2013: ?: Collector Unknown: DNSM: 1 [1 - **1** - **26**].
Bluff Nature Reserve: 22 September 2013: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Blurweberg cave: 15 February 1958: Copley, R.B.: TM: 2 [2 - **2**] - 17 February 1958: Copley, R.B.: TM: 3 [3 - **3** - **5**].
Blyde River Canyon [=Blyderivier Blyderivierspoort] Nature Reserve: Collection Date Unknown: van der Merwe, J.: TM: 1 [1 - **1**] - 16 February 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **2**].
Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve: Collection Date Unknown: van der Merwe, J.: TM: 1 [1 - **1** - **1**].
Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Bourkes Luck 454 [=Bourkes Luck Potholes]: 29 March 1988: van der Merwe, J.: TM: 1 [1 - **1**] - 6 April 1988: van der Merwe, J.: TM: 1 [1]; van der Merwe, J.; Bronner, Gary Neil: TM: 1 [1 - **2**] - 7 April 1988: van der Merwe, J.: TM: 1 [1 - **1**] - 8 April 1988: van der Merwe, J.; Bronner, Gary Neil: TM: 2 [2 - **2**] - 9 April 1988: Bronner, Gary Neil; van der Merwe, J.: TM: 3 [3]; van der Merwe, J.; Bronner, Gary Neil: TM: 1 [1 - **4**] - 19 April 1988: van der Merwe, J.: TM: 1 [1 - **1**] - 20 June 2002: Marais, Hannes: TM: 1 [1 - **1** - **12**].
Blyde River Canyon [=Blyderivier, Blyderivierspoort] Nature Reserve, Farm Chester 235, dam on Blyde River: 28 March 1988: van der Merwe, J.: TM: 1 [1 - **1** - **1**].
Blyderivierspoort Nature Reserve, Bourkes Luck: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 9 November 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].
Blythedale Beach, Minivillas: 1 May 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 May 2006: ?: Collector Unknown: DNSM: 3 [3 - **3** - **4**].
Bobomene Research Camp: 19 January 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 22 January 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Bobomeni research camp [=Bobomene]: 8 February 1989: Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **7**] - 3 March 1990: Rautenbach, Ignatius Lourens [=Naas]: KNP: 6, TM: 1 [7 - **7**] - 22 October 1990: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **5** - **19**].
Boegoeberg Dam, 0.5 mi E: 2 June 1968: Lambrechts, A.V.W.: USNM: 1 [1 - **1** - **1**].
Boekenhoufontein: 9 February 1974: Dick, J.A.: ROM: 4 [4 - **4**] - 10 February 1974: Dick, J.A.: ROM: 1 [1 - **1** - **5**].
Bonamanzi Game Reserve: Collection Date Unknown: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 8 October 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 April 1995: Kearney, Teresa Catherine: DNSM: 1 [1]; Taylor, Peter John; Kearney, Teresa Catherine; Mari: DNSM: 11 [11 - **12**] - 19 April 1995: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 27 December 1997: ?: Collector Unknown: DNSM: 2 [2 - **2** - **18**].
Bontebok NP: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Bordeaux, Farm: 6 April 1973: Uys, P.J.: TM: 1 [1 - **1**] - 8 April 1973: Uys, P.J.: TM: 4 [4 - **4** - **5**].
Boshof: 23 May 1981: ?: Collector Unknown: NMB: 1 [1 - **1**] - 21 October 1987: ?: Collector Unknown: NMB: 1 [1 - **1**] - 1 October 1990: ?: Collector Unknown: NMB: 19 [19 - **19** - **21**].
Boshof [Hertzogville]: 9 March 1983: ?: Collector Unknown: NMB: 2 [2 - **2**] - 10 March 1983: ?: Collector Unknown: NMB: 1 [1 - **1** - **3**].
Boskop Dam Nature Reserve: 26 April 1990: TPA Nature Conservation: TM: 2 [2 - **2** - **2**].
Boston: 12 May 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Boston, Virginia Farm: 9 March 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Botha's Hill, Rob Roy Hotel: 21 April 1992: Bronner, Gary Neil: TM: 4 [4 - **4** - **4**].
Bothaville: 10 June 1920: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Botshabelo: Collection Date Unknown: Merenski: ZMB: 1 [1 - **1** - **1**].
Brakfontein: 24 January 1964: Geldenhuys, P.J.: USNM: 6 [6]; Risser, A.C.: USNM: 9 [9 - **15**] - 24 January 1966: Geldenhuys, P.J.: USNM: 3 [3]; Risser, A.C.: USNM: 3 [3 - **6** - **21**].
Brakfontein, 18 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].

Brakkloof: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 January 1905: White, G.: MCZ: 1 [1 - **1** - **2**].
Brandfort: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5 - **5**] - 1 June 1970: Van der Linde, J.A.: TM: 1 [1 - **1**] - 5 May 1984: ?: Collector Unknown: NMB: 1 [1 - **1** - **7**].
Branfort: 4 June 1962: Leeuwenberg, Antonius Josephus Martinus ("Toon"): ZMA: 1 [1 - **1** - **1**].
Bredasdorp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2]; : KM: 1 [1 - **3**] - 1 January 1962: Rau, R.: SMF: 3 [3 - **3** - **6**].
Bredasdorp, NW: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Bredill: 9 January 1988: Kubierke, H.: TM: 1 [1 - **1** - **1**].
Briardene: 12 January 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Brighton Beach: 16 January 1997: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 5 March 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 January 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 November 2005: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].
Brits: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 18 April 1978: Jacobsen, N.J.: TM: 1 [1 - **1** - **2**].
Bronkhorstspruit: 15 March 1971: Naude, J.J.C.: TM: 1 [1 - **1** - **1**].
Bronkhorstspruit Dam Nature Reserve: 9 April 2003: West, Sean D.: TM: 1 [1 - **1** - **1**].
Brooklyn: 11 December 1921: ?: Collector Unknown: TM: 2 [2 - **2**] - 12 March 1922: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 September 1926: Roberts, Austin: TM: 2 [2 - **2**] - 8 April 1935: Roberts, V.H.A.: CM: 1 [1 - **1**] - 22 December 1965: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 March 1967: ?: Collector Unknown: TM: 1 [1 - **1**] - 7 November 1989: ?: Collector Unknown: TM: 1 [1 - **1** - **9**].
Broughton: 30 September 1980: Metherell, A.D.: AMNH: 1 [1 - **1** - **1**].
Bryanston, 883 Lowndees Road: 13 November 1973: Terlingen, Robert: TM: 1 [1 - **1** - **1**].
Bube pan: 24 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 26 [26 - **26**] - 25 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 14 [14 - **14**] - 10 August 1995: Taylor, Peter John; *et al.*: DNSM: 7 [7 - **7**] - 11 August 1995: Taylor, Peter John; *et al.*: DNSM: 2 [2 - **2**] - 12 August 1995: Taylor, Peter John; *et al.*: DNSM: 4 [4 - **4** - **53**].
Buffalo mine: 9 June 1916: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Buffelsdraai: 26 March 1916: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Buffelshoek Farm 446 KQ: 15 April 1969: Graupner, O.F.: USNM: 31 [31 - **31**] - 16 April 1969: Graupner, O.F.: USNM: 5 [5 - **5**] - 17 April 1969: Graupner, O.F.: USNM: 1 [1 - **1**] - 22 April 1969: Graupner, O.F.: USNM: 11 [11 - **11** - **48**].
Buffelshoek, 22 km SE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Buffelskloof Private Nature Reserve: Collection Date Unknown: Burrows, John; Cohen, Lientjie; Fernsby, Nigel: TM: 1 [1 - **1**] - 14 November 2003: Burrows, John; Cohen, Lientjie; Fernsby, Nigel: TM: 1 [1]; Cohen, Lientjie; Fernsby, Nigel; Burrows, J.: TM: 1 [1 - **2** - **3**].
Bultfontein: 19 May 1980: ?: Collector Unknown: NMB: 6 [6 - **6** - **6**].
Burgers Park: 29 December 1960: ?: Collector Unknown: TM: 1 [1 - **1**] - 26 February 1964: Coetzee, C.G.: TM: 2 [2 - **2** - **3**].
Burgersdorp: 6 December 1925: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Burman Bush Nature Reserve: 1 December 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 December 1998: Greaves; Richardson: DNSM: 1 [1 - **1** - **2**].
Bushman Cave: Collection Date Unknown: ?: Collector Unknown: SAMC: 3 [3 - **3** - **3**].
Bushman Cave, Montagu: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Buxton Mine: 23 February 1983: ?: Collector Unknown: TM: 2 [2 - **2**] - 16 June 1983: ?: Collector Unknown: TM: 4 [4 - **4**] - 13 April 1985: James, D.K.: ZMA: 1 [1 - **1**] - 10 May 1985: James, D.K.: ZMA: 1 [1 - **1** - **8**].
Buzzard Mountain Retreat: Collection Date Unknown: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 11 April 1995: ?: Collector Unknown: TM: 1 [1 - **1**] - 5 November 1995: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 6 February 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 February 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 31 March 2012: ?: Collector Unknown: DNSM: 1 [1 - **1** - **7**].
Buzzard Mountain Sanctuary: 2 March 1990: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Byaxixi: 16 June 1959: Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: KNP: 1 [1 - **1** - **1**].
Caffer: 18 April 1841: Wahlberg, Johan August: NRM: 1 [1 - **1** - **1**].
Caffraria: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Degrolle: ZMB: 1 [1 - **2** - **2**].
Calvinia: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Camps Bay: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].
Cape: Collection Date Unknown: : BMNH: 1, SMF: 1 [2]; von Ludwig: SMNS: 2 [2 - **4**] - 1 January 1837: : SMF: 1 [1 - **1** - **5**].
Cape Division: Collection Date Unknown: Frere, Bartle: SAMC: 1 [1]; Mann, W.F.: SAMC: 1 [1 - **2** - **2**].
Cape of Good Hope: Collection Date Unknown: ?: Collector Unknown: MNHN: 9, ZMB: 1 [10]; Bergius: ZMB: 1 [1]; Ecklon: ZMB: 1 [1]; Gerrard: ZMB: 1 [1]; Juritz: ZMB: 1 [1]; Krebs: ZMB: 2 [2]; Mundt: ZMB: 1 [1]; Mundt; Maire: ZMB: 1 [1 - **18** - **18**].
Cape province: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : AMNH: 1 [1 - **2** - **2**].
Cape Town: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1]; : BMNH: 6 [6]; Layard, Edgar Leopold: MCZ: 3 [3]; Smith, Andrew: BMNH: 1 [1 - **11**] - 5 April 1983: Olson, Storrs L.: USNM: 1 [1 - **1** - **12**].
Cape Town, 200 mi [=322 km] E: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2** - **2**].
Cape Town, Rondebosch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Cape Vidal: 28 September 1982: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 September 1982: ?: Collector Unknown: TM: 14 [14 - **14**] - 9 August 1987: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 September 1987: ?: Collector Unknown: DNSM: 1 [1 - **1** - **17**].
Cape Vidal Nature Reserve, E shores: 10 July 1997: ?: Collector Unknown: DNSM: 2 [2]; Uys, K.: DNSM: 2 [2 - **4**] - 15 October 1997: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].
Cares: 14 January 1943: Colback: RMCA: 2 [2 - **2** - **2**].
Carolina: 7 February 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Carrington Heights: 4 January 2004: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Carter's Nurseries: Collection Date Unknown: : HZM: 2 [2 - **2** - **2**].
Cathcart: 1 January 1973: Visser, John: AMNH: 2 [2 - **2**] - 16 January 1973: Visser, John: AMNH: 1 [1 - **1** - **3**].
Cato Ridge: 12 December 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Cato Ridge, 3 km NE: 25 August 1974: Smith, Steven A.: TM: 1 [1 - **1** - **1**].
Cave of Death: 9 February 1958: Copley, R.B.: TM: 1 [1 - **1** - **1**].
Cavendish: 1 September 1995: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Cederberg, Algeria State Forest: 1 September 1979: Herselman, J.C.: KM: 3 [3 - **3**] - 1 December 1988: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 2 December 1988: Schlitter, Duane Albert: CM: 2 [2 - **2**] - 3 December 1988: Schlitter, Duane Albert: CM: 2 [2 - **2**] - 5 December 1988: Bronner, Gary Neil; Rautenbach, Ignatius Lourens [=Naas];: TM: 1 [1 - **1** - **9**].

Cederberg, Algeria State Forest, campsite: Collection Date Unknown: ?: Collector Unknown: SAMC: 5, TM: 2 [7]; Kearney, Teresa Catherine; Seamark, Ernest Charles James: SAMC: 2 [2 - **9**] - 8 February 1978: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 6 [6 - **6**] - 9 February 1978: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 4 [4 - **4**] - 10 February 1978: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 5 [5 - **5**] - 11 February 1978: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 2 [2 - **2**] - 19 August 1982: Wolhuter, David A.; Cassidy, R.J.: TM: 1 [1 - **1**] - 22 August 1982: Wolhuter, David A.; Cassidy, R.J.: TM: 1 [1 - **1**] - 23 August 1982: Wolhuter, David A.; Cassidy, R.J.: TM: 2 [2 - **2**] - 24 August 1982: Wolhuter, David A.; Cassidy, R.J.: TM: 4 [4 - **4**] - 25 August 1982: Wolhuter, David A.; Cassidy, R.J.: TM: 2 [2 - **2**] - 26 August 1982: Wolhuter, David A.; Cassidy, R.J.: TM: 3 [3 - **3**] - 27 August 1982: Wolhuter, David A.; Cassidy, R.J.: TM: 9 [9 - **9**] - 28 August 1982: Wolhuter, David A.; Cassidy, R.J.: TM: 3 [3 - **3**] - 4 March 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **9**] - 6 March 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - 7 March 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8**] - 1 December 1988: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): TM: 4 [4 - **4**] - 2 December 1988: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): TM: 7 [7 - **7**] - 5 December 1988: Bronner, Gary Neil: TM: 1 [1]; Bronner, Gary Neil; Rautenbach, Ignatius Lourens [=Naas];: TM: 1 [1 - **2** - **85**].

Cederberg, Pakhuis Pass, Kliphuis camp site: Collection Date Unknown: ?: Collector Unknown: KM: 1, SAMC: 2 [3 - **3**] - 5 February 2005: Seamark, Ernest Charles James: TM: 7 [7 - **7** - **10**].

Ceres, near: Collection Date Unknown: Roberts, Austin; Adendorff: TM: 1 [1 - **1** - **1**].

Chambaire Nursery: 18 July 1993: Bronner, Gary Neil; *et al.*: TM: 2 [2 - **2** - **2**].

Charter's Creek: 18 December 1973: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 September 1974: ?: Collector Unknown: TM: 1 [1]; LaVal, Richard K.: TM: 1 [1 - **2**] - 14 April 1975: ?: Collector Unknown: TM: 2 [2 - **2**] - 1 April 1987: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 September 2003: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 21 November 2011: ?: Collector Unknown: MNHN: 1 [1 - **1** - **9**].

Chartwell: 12 June 2005: Horwood, Keith; Fernsby, Nigel: TM: 1 [1 - **1** - **1**].

Chase Valley: 27 August 1974: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Chatsworth: 12 April 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 May 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 May 1997: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 15 March 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].

Chelmsford Nature Reserve: 30 May 2011: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Chilanga cave: 27 September 1906: Jameson, Henry Paul William Lyster: USNM: 1 [1 - **1**] - 26 April 1907: Jameson, Henry Paul William Lyster: USNM: 2 [2 - **2**] - 12 December 1907: Jameson, Henry Paul William Lyster: USNM: 1 [1 - **1**] - 14 December 1907: Jameson, Henry Paul William Lyster: USNM: 1 [1 - **1** - **5**].

Christian Brothers College: 13 February 1998: Berry, V.: TM: 1 [1 - **1** - **1**].

Cinnabar mine: 7 June 1916: Roberts, Austin: TM: 5 [5 - **5** - **5**].

city centre: Collection Date Unknown: Maleka, Anna; Ndhlovu, Captain: TM: 1 [1 - **1** - **1**].

Clairwood Park: 1 May 1992: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

ClanwIlliam: Collection Date Unknown: : KM: 3 [3]; Visser, John: AMNH: 1 [1 - **4** - **4**].

ClanwilIlam, NE: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Clarens: 15 August 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 October 1998: Kearney, R.: DNSM: 1 [1 - **1** - **2**].

Clarens, near: 1 September 1962: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Clocolan [Excelsior]: 6 February 1990: ?: Collector Unknown: NMB: 12 [12 - **12** - **12**].

Colesburg: 1 October 1952: Badenhorst,M.: TM: 1 [1 - **1** - **1**].

Coloniesplaats: 15 February 1964: Risser, A.C.: USNM: 5 [5 - **5** - **5**].

Compagnies Drift: 19 January 1938: Shortridge, Guy Chester: MCZ: 1 [1 - **1**] - 20 January 1938: Shortridge, Guy Chester: MCZ: 1 [1 - **1**] - 20 January 1939: Shortridge, Guy Chester: HZM: 1 [1 - **1** - **3**].

Cowies Hill: 9 April 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 July 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 July 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 April 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Cowies Hill Park: 9 April 1998: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Cradock, 25 km SE: 12 December 1975: Robbins, Lynn W.: CM: 1 [1 - **1**] - 14 December 1975: Robbins, Lynn W.: CM: 3 [3 - **3** - **4**].

Cradock, 40 km NW: 14 December 1975: Robbins, Lynn W.: CM: 6 [6 - **6** - **6**].

Craigadam: Collection Date Unknown: Porter, R.N.: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 5 [5 - **6**] - 3 February 1978: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 1 [1 - **1**] - 3 February 1980: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 15 [15 - **15**] - 6 February 1980: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 12 [12 - **12**] - 7 February 1980: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1** - **35**].

Craigieburn [Farmstead]: 19 June 1989: Vine, James: DNSM: 1 [1 - **1** - **1**].

Crocodile Bridge Rest Camp: 5 July 1979: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].

Crocodile River: 15 February 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Crowned Eagle Lodge, below: 26 August 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Cullinan: 13 November 1974: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Culling camp: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 2 February 1965: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 28 December 1983: ?: Collector Unknown: TM: 11 [11]; Wolhuter, David A.; *et al.*: TM: 10 [10 - **21**] - 30 August 1984: ?: Collector Unknown: TM: 2 [2 - **2**] - 27 November 1984: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1**] - 2 February 1985: ?: Collector Unknown: TM: 9 [9]; Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **18**] - 13 April 1985: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **5**] - 3 June 1985: Wolhuter, David A.: TM: 1 [1 - **1** - **51**].

Cypris: Collection Date Unknown: ?: Collector Unknown: YPM: 1 [1 - **1** - **1**].

Danielskuil: Collection Date Unknown: ?: Collector Unknown: MMK: 2 [2 - **2** - **2**].

Danielskuil, 10 km N: Collection Date Unknown: ?: Collector Unknown: MMK: 3 [3 - **3** - **3**].

Dankbaar Windmill: 8 February 1983: Erasmus, B.H.: MMK: 1 [1 - **1** - **1**].

Daspoort: 21 December 1937: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

De Aar: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].

de Hoek: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1]; Palmer, Guy: SAMC: 1 [1 - **2** - **2**].

De Hoek Forest Station: 1 May 1991: Bronner, Gary Neil: TM: 1 [1 - **1**] - 2 May 1991: Bronner, Gary Neil: TM: 1 [1 - **1**] - 3 May 1991: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

De Hoek, Skeleton Cave: Collection Date Unknown: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].
De Hoop Guano Cave: 13 April 2004: Timm, Robert M.: KU: 1 [1 - **1** - **1**].
De Hoop Nature Reserve, De Hoop Guano Cave: 1 November 1978: ?: Collector Unknown: TM: 13 [13]; Herselman, J.C.: TM: 1 [1 - **14**] - 25 November 1988: ?: Collector Unknown: TM: 3 [3]; Erasmus, B.H.: TM: 10 [10 - **13** - **27**].
De Hoop Private Nature Reserve: 16 February 1975: Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **11** - **11**].
De Hoop Provincial Nature Reserve: 26 January 1964: Risser, A.C.: USNM: 3 [3 - **3**] - 28 January 1964: Geldenhuys, P.J.: USNM: 1 [1]; Risser, A.C.: USNM: 1 [1 - **2**] - 29 January 1964: Risser, A.C.: USNM: 5 [5 - **5**] - 1 November 1978: Herselman, J.C.: TM: 11 [11 - **11** - **21**].
De Hoop, 24 km NNE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 28 January 1964: Risser, A.C.: USNM: 1 [1 - **1** - **2**].
De Hoop, 25 km NNE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
De Hoop, NR: Collection Date Unknown: ?: Collector Unknown: MMK: 1, SAMC: 4 [5 - **5** - **5**].
De Hoop, wildproefplaats: 1 September 1959: Smit, H.A.W.: ZMA: 3 [3 - **3** - **3**].
Deelfontein, Farm: 1 February 1964: Risser, A.C.: USNM: 7 [7 - **7**] - 2 February 1964: Risser, A.C.: USNM: 5 [5 - **5** - **12**].
Derdepoort: 9 March 1961: Du Preez, J.: TM: 1 [1 - **1**] - 14 March 1961: Du Preez, J.: TM: 2 [2 - **2** - **3**].
Dewetsdorp: 13 September 1982: ?: Collector Unknown: NMB: 1 [1 - **1**] - 14 September 1982: ?: Collector Unknown: NMB: 1 [1 - **1**] - 16 September 1982: ?: Collector Unknown: NMB: 1 [1 - **1** - **3**].
Diepwalle State Forest: 28 April 1980: Dippenaar, Nicolaas Jacobus [=Nico]; Wolhuter, David A.: TM: 4 [4 - **4** - **4**].
Dlinza Forest: 12 March 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 March 1996: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 14 March 1996: Kearney, Teresa Catherine: DNSM: 11 [11]; Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **13** - **15**].
D'Nyala Provincial Nature Reserve: Collection Date Unknown: de Beer, T.: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2**] - 3 May 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 4 May 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5**] - 8 May 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 26 March 1977: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 18 January 1989: de Beer, T.: TM: 2 [2 - **2** - **13**].
Dongolakop: Collection Date Unknown: Pole Evans, I.B.: TM: 1 [1 - **1**] - 30 July 1945: Pole Evans, I.B.: TM: 1 [1 - **1**] - 2 July 1947: Pole Evans, G.E.: TM: 1 [1]; Pole Evans, I.B.: TM: 1 [1 - **2** - **4**].
Doon Heights: 22 October 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Doonside: 22 May 2000: ?: Collector Unknown: DNSM: 1 [1]; Brummer, V.: DNSM: 1 [1 - **2** - **2**].
Doorndraai Dam Nature Reserve: 22 February 1993: West, Sean D.: TM: 1 [1 - **1**] - 23 February 1993: ?: Collector Unknown: TM: 1 [1]; West, Sean D.: TM: 1 [1 - **2**] - 24 February 1993: ?: Collector Unknown: TM: 1 [1 - **1**] - 8 September 1993: West, Sean D.: TM: 1 [1 - **1** - **5**].
Doornhoek: 12 April 1978: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].
Doornhoek mine: 19 July 1974: LaVal, Richard K.: KU: 1 [1 - **1**] - 13 March 1976: Espie, Ian W.: TTU: 1 [1 - **1**] - 27 March 1976: Espie, Ian W.: KU: 2, TTU: 1 [3 - **3**] - 1 May 1976: ?: Collector Unknown: TTU: 1 [1 - **1**] - 30 May 1976: ?: Collector Unknown: TTU: 1 [1 - **1**] - 13 June 1976: ?: Collector Unknown: TTU: 1 [1 - **1**] - 20 June 1976: ?: Collector Unknown: TTU: 3 [3 - **3**] - 10 September 1983: Wolhuter, David A.; Cassidy, R.J.: TM: 7 [7 - **7** - **18**].
Doornkraal Camp Site: 15 August 1994: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 14 February 1998: Rushworth, I.: DNSM: 1 [1 - **1**] - 15 February 1998: RSVS: DNSM: 1 [1]; Salewski, V.; Ueberschaer, K.: DNSM: 1 [1]; Schlitter, Duane Albert: DNSM: 2 [2]; Schmutter, H.; Kock, Dieter: DNSM: 1 [1]; Scott, E.: DNSM: 1 [1]; Seamark, Ernest Charles James: DNSM: 4 [4 - **10**] - 20 February 1998: Seamark, Ernest Charles James: DNSM: 1 [1 - **1** - **13**].
Doornkraal campsite: 9 February 1980: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **4**] - 15 February 1998: Kearney, Teresa Catherine: DNSM: 2 [2 - **2**] - 21 February 1998: Kearney, Teresa Catherine: DNSM: 3 [3 - **3** - **9**].
Doornsloot: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Dordrecht: 13 March 1986: ?: Collector Unknown: NMB: 3 [3 - **3**] - 4 December 1986: ?: Collector Unknown: NMB: 3 [3 - **3** - **6**].
Drakenburg Mountains: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Drakensig: Collection Date Unknown: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 18 October 2005: ?: Collector Unknown: DNSM: 3 [3]; Pienaar, Anton; Fernsby, Nigel: TM: 2 [2 - **5** - **7**].
Dugundhlovu camp site: Collection Date Unknown: McLean, S.: TM: 1 [1 - **1** - **1**].
Dukuduku Forest: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2]; Bronner, Gary Neil; *et al.*: TM: 1 [1 - **3**] - 10 March 1988: ?: Collector Unknown: TM: 3 [3 - **3**] - 10 June 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 8 October 1988: Bronner, Gary Neil; *et al.*: TM: 1 [1 - **1** - **8**].
Dukuduku Forest Station: 2 October 1988: ?: Collector Unknown: TM: 2 [2 - **2**] - 3 October 1988: ?: Collector Unknown: TM: 3 [3 - **3**] - 5 October 1988: ?: Collector Unknown: TM: 4 [4 - **4**] - 6 October 1988: ?: Collector Unknown: TM: 5 [5 - **5**] - 8 October 1988: ?: Collector Unknown: TM: 2 [2 - **2** - **16**].
Dullstroom Town: 10 February 2005: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].
Dumisa Gold Mine: Collection Date Unknown: : KM: 1 [1 - **1**] - 5 February 1978: Wolhuter, David A.: TM: 1 [1 - **1**] - 29 March 1978: ?: Collector Unknown: TM: 2 [2 - **2**] - 7 November 1978: ?: Collector Unknown: TM: 1 [1 - **1**] - 7 December 1978: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 January 1979: Wolhuter, David A.: TM: 2 [2 - **2**] - 6 May 1979: ?: Collector Unknown: TM: 2 [2 - **2**] - 30 May 1979: Wolhuter, David A.: TM: 1 [1 - **1**] - 14 September 1983: ?: Collector Unknown: TM: 14 [14]; Cassidy, R.J.; Wolhuter, David A.: TM: 4 [4]; Wolhuter, David A.: TM: 1 [1]; Wolhuter, David A.; Cassidy, R.J.: TM: 20 [20 - **39**] - 15 May 2004: ?: Collector Unknown: DNSM: 1 [1 - **1** - **51**].
Durban: Collection Date Unknown: ?: Collector Unknown: BMNH: 3, DNSM: 2, KZNM: 2, MNHN: 1 [8]; Hahn, W.L.: ZMB: 1 [1]; Kearney, Teresa Catherine: DNSM: 1 [1]; Taylor, Peter John: HNHM: 1 [1]; Wahlberg, Johan August: BMNH: 1 [1 - **12**] - 1 January 1871: Schluter: SMNS: 1 [1 - **1**] - 15 May 1912: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 October 1913: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 April 1914: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 March 1917: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 November 1917: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 November 1917: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 February 1922: Bell, H.W.; Karley: TM: 1 [1 - **1**] - 25 July 1932: de Selys-Longschamps, Edmond: RBINS: 1 [1 - **1**] - 1 September 1952: ?: Collector Unknown: AMNH: 1 [1 - **1**] - 17 March 1955: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 9 January 1956: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 February 1961: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 15 June 1961: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 October 1965: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 January 1967: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 12 January 1969: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 July 1970: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 March 1973: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 September 1974: Visser, John: AMNH: 2 [2 - **2**] - 10 March 1976: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 14 January

1981: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 September 1995: Seamark, Ernest Charles James: DNSM: 1 [1 - **1**] - 6 October 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 November 1997: Taylor, Peter John: DNSM: 1 [1 - **1**] - 1 January 1998: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 8 December 1998: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 8 February 1999: Smart, C.: DNSM: 1 [1 - **1**] - 1 January 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 February 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 November 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 May 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 2 February 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 22 December 2010: ?: Collector Unknown: DNSM: 1 [1 - **1** - **54**].

Durban CBD: 23 January 1990: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 February 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 22 December 2009: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 January 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Durban International Airport: 10 February 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 March 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 September 2003: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 23 March 2006: ?: Collector Unknown: DNSM: 2 [2 - **2** - **6**].

Durban North: Collection Date Unknown: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 8 October 1977: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 March 1994: Hogan, L.: DNSM: 1 [1 - **1**] - 21 April 1994: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 10 September 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 September 1994: ?: Collector Unknown: DNSM: 3 [3]; Anderson, P.: DNSM: 1 [1 - **4**] - 17 September 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 November 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 April 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 30 January 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 August 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 May 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 February 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 February 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 August 2013: ?: Collector Unknown: DNSM: 1 [1 - **1** - **21**].

Durban North Area: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Durban, 48 km NW: 14 June 1967: Mumford, Russell E.: ROM: 5 [5 - **5** - **5**].

Durban, near: Collection Date Unknown: Visser, John: AMNH: 2 [2 - **2** - **2**].

Durban, probably: Collection Date Unknown: ?: Collector Unknown: DNSM: 11 [11 - **11**] - 3 February 1983: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 26 January 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **14**].

Durbanville: 1 January 1975: Visser, John: AMNH: 1 [1 - **1** - **1**].

Dzundwini: 17 May 1979: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **2**].

Eagles Nest Farm: 24 March 2012: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 25 March 2012: ?: Collector Unknown: DNSM: 7 [7 - **7** - **9**].

East London: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1]; : KM: 4 [4 - **5** - **5**].

Eastern Cape province: 16 October 2014: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 March 2015: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 June 2015: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 June 2015: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 June 2015: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 June 2015: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].

Edenburg: 11 February 1980: ?: Collector Unknown: NMB: 3 [3 - **3**] - 12 February 1980: ?: Collector Unknown: NMB: 2 [2 - **2** - **5**].

eGodeni: 28 March 1968: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 December 1968: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 December 1968: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 February 1969: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 July 1970: ?: Collector Unknown: DNSM: 2 [2 - **2** - **6**].

EKZN Wildlfe Headquarters: 7 March 1990: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 September 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 February 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 February 2000: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Elandsklip, P.K. Santa: Collection Date Unknown: Greyling, A.: TM: 1 [1 - **1** - **1**].

Elim hospital: 4 September 1986: Stuart, C.T.: TM: 1 [1 - **1**] - 4 November 1986: ?: Collector Unknown: TM: 1 [1]; Stuart, C.T.: TM: 1 [1 - **2** - **3**].

Ellingham: 6 April 1978: Sowler, S.G.: ZMA: 1 [1 - **1**] - 29 April 1978: Sowler, S.G.: ZMA: 1 [1 - **1**] - 21 September 1978: Sowler, S.G.: ZMA: 1 [1 - **1**] - 9 November 1978: Sowler, S.G.: ZMA: 1 [1 - **1**] - 2 April 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 6 April 1979: Sowler, S.G.: ZMA: 2 [2 - **2**] - 18 October 1979: Sowler, S.G.: ZMA: 1 [1 - **1** - **8**].

Elliot: 13 June 1985: ?: Collector Unknown: NMB: 2 [2 - **2**] - 11 November 1985: ?: Collector Unknown: NMB: 1 [1 - **1** - **3**].

Elliotdale [= Xhora]: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Ellisras, 8 km NE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Empisini Nature Reserve: 6 April 1996: Scholtz, C.: DNSM: 1 [1]; Seamark, Ernest Charles James: DNSM: 1 [1 - **2**] - 7 April 1996: Seamark, Ernest Charles James: DNSM: 2 [2 - **2**] - 6 May 1996: Seamark, Ernest Charles James: DNSM: 1 [1 - **1**] - 12 October 1996: Kearney, Teresa Catherine: DNSM: 3 [3 - **3**] - 13 October 1996: Schoeman, M. Corrie: DNSM: 1 [1 - **1** - **9**].

Emseleni: 28 November 1928: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Encobo: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Enseleni Nature Reserve: 9 March 1993: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 10 March 1993: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Entabeni State Forest: 28 March 1976: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: TM: 1 [1 - **2**] - 27 February 1990: Herholdt, E.M.: TM: 10 [10 - **10**] - 28 February 1990: ?: Collector Unknown: TM: 1 [1 - **1** - **13**].

Entumeni Nature Reserve: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 August 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 April 2014: Richards, Leigh R.: DNSM: 2 [2 - **2** - **4**].

Erfplaas windmill: 28 October 1983: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **16** - **16**].

Escombe: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 April 1982: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Eshowe: 15 February 1904: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 28 June 1929: Chivers, C.B.: TM: 1 [1 - **1**] - 18 October 1934: de Meillon, B.: TM: 1 [1 - **1**] - 15 November 1934: de Meillon, B.: TM: 1 [1 - **1**] - 7 December 1934: ?: Collector Unknown: TM: 1 [1 - **1**] - 11 December 1934: de Meillon, B.: TM: 1 [1 - **1**] - 18 December 1934: de Meillon, B.: TM: 1 [1 - **1**] - 11 May 1935: ?: Collector Unknown: TM: 1 [1 - **1**] - 11 May 1938: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 February 1975: LaVal, Richard K.: KU: 1 [1 - **1**] - 7 December 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 June 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 March 1996: Seamark, Ernest Charles James; Kearney, Teresa

Catherine: DNSM: 1 [1 - **1**] - 5 September 1998: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 10 January 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **15**].

Esperanza [=Beneva] Tunnel: 6 April 1996: Grant, Claude Henry Baxter; Rudd Expedition, The: DNSM: 1 [1]; Rosevear, Donovan Reginald: DNSM: 1 [1]; Rushworth, I.: DNSM: 1 [1]; SAS: DNSM: 1 [1]; Seamark, Ernest Charles James: DNSM: 1 [1 - **5** - **5**].

Estcourt: Collection Date Unknown: : KM: 1 [1 - **1**] - 3 October 1904: Turner, C.: USNM: 1 [1 - **1**] - 12 March 1905: Turner, C.: USNM: 2 [2 - **2**] - 24 November 1913: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 December 1913: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].

Eston: 17 December 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Estuary Forest Reserve: 11 September 1974: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Everton: 26 December 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 August 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Excelcior: 1 January 1948: Hopper, L.: HZM: 2 [2 - **2** - **2**].

Fairview mine: 19 January 1996: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Farm "Clearwater": 5 October 1987: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Farm 489, Hennops River: 17 March 1923: Roberts, Austin; Coombs, C.: TM: 1 [1 - **1**] - 21 August 1923: Coombs, C.: TM: 1 [1 - **1** - **2**].

Farm Aasvogelrand-Oost 291: Collection Date Unknown: ?: Collector Unknown: NMB: 9 [9 - **9** - **9**].

Farm Al-te-ver 103: 25 August 1976: Dippenaar, Nicolaas Jacobus [=Nico]; de Jager, J.G.: TM: 3 [3 - **3** - **3**].

Farm Badfontein 114JT, Kwena: 24 January 2004: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Farm Baviaanspoort: 9 June 1917: ?: Collector Unknown: TM: 7 [7 - **7**] - 1 September 1917: ?: Collector Unknown: TM: 1 [1 - **1** - **8**].

Farm Baviaanspoort 330: 9 June 1917: Roberts, Austin: TM: 5 [5 - **5**] - 9 August 1921: Roberts, Austin: TM: 1 [1 - **1** - **6**].

Farm Berlin 446JT: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Farm Blaauwbank 168JS: 19 September 2002: Kearney, Teresa Catherine; Ndhlovu, Captain: TM: 2 [2 - **2** - **2**].

Farm Bokveld, on Limpopo River: 17 August 1976: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Farm Bolts Farm: 7 October 2005: Peinke, Dean M.: TM: 1 [1 - **1** - **1**].

Farm Brakfontein, Koegelbeen Cave: 19 March 1983: ?: Collector Unknown: TM: 12 [12 - **12**] - 15 June 1983: ?: Collector Unknown: TM: 92 [92 - **92**] - 5 December 1988: ?: Collector Unknown: TM: 22 [22 - **22** - **126**].

Farm Buffel Rivier Poort: Collection Date Unknown: ?: Collector Unknown: KM: 5 [5 - **5** - **5**].

Farm Buffelspoort 149 JQ: 11 May 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Farm Buren: 8 August 1971: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Farm Commissiesdrift 327JQ [=Commisiondrift]: 11 April 1969: Pretorius, J.J.L.: USNM: 9 [9 - **9** - **9**].

Farm Cyprus 68: 11 February 1975: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 12 February 1975: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **6**].

Farm De Kafferskraal 53JT: 11 January 2001: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].

Farm Deelfontein: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Farm Doornhoek: 26 February 1976: Espie, Ian W.: SMF: 1 [1 - **1**] - 13 March 1976: Espie, Ian W.: SMF: 1 [1 - **1**] - 27 March 1976: Espie, Ian W.: SMF: 1 [1 - **1** - **3**].

Farm Doornkraal: 11 February 1980: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 2 [2 - **2** - **2**].

Farm Doornpan: 11 February 1980: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 5 [5 - **5**] - 14 February 1980: Rautenbach, Ignatius Lourens [=Naas]; Nel: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 4 [4 - **7** - **12**].

Farm Dordrecht: 13 October 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Farm Duiwelskloof 376 [=Mokeetsi]: Collection Date Unknown: Maberly, C.J. Ashley: TM: 1 [1 - **1**] - 17 July 1920: Streeter, F.: TM: 1 [1 - **1**] - 16 September 1921: Streeter, F.: TM: 4 [4 - **4**] - 24 March 1922: Streeter, F.: TM: 1 [1 - **1**] - 2 November 1945: Ashley Maberly: TM: 1 [1 - **1** - **8**].

Farm Elandsfontein 435KT: 15 April 2001: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Farm Elandsfontein 435KT, Bourke's Luck: 6 July 2002: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].

Farm Enkeldoornspoort 207: 1 December 1974: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **1**].

Farm Evergreen: 19 May 1980: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Farm Fairfield 306: 19 July 1915: Powell, W.: TM: 1 [1 - **1**] - 29 July 1915: Powell, W.: TM: 1 [1 - **1** - **2**].

Farm Faust 743: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 20 January 1990: ?: Collector Unknown: TM: 10 [10 - **10** - **11**].

Farm Ferndale: Collection Date Unknown: Scholtz, C.: TM: 1 [1 - **1**] - 16 December 1973: ?: Collector Unknown: TM: 3 [3 - **3**] - 29 December 1973: ?: Collector Unknown: TM: 2 [2 - **2**] - 30 December 1973: Scholtz, C.: TM: 1 [1 - **1** - **7**].

Farm Fleur de Lys 195KU: 16 March 2003: Pietersen, Darren: TM: 1 [1 - **1** - **1**].

Farm Florisbad 686: Collection Date Unknown: ?: Collector Unknown: NMB: 18 [18 - **18** - **18**].

Farm Geluk: 27 September 1960: Nel, D.J.: TM: 1 [1 - **1** - **1**].

Farm Goedhoek [=Goudhoek]: 9 January 1979: Wolhuter, David A.: TM: 2 [2 - **2**] - 9 February 1979: Wolhuter, David A.: TM: 4 [4 - **4**] - 24 September 1983: Wolhuter, David A.; Cassidy, R.J.: TM: 11 [11 - **11**] - 25 September 1983: Wolhuter, David A.; Cassidy, R.J.: TM: 5 [5 - **5** - **22**].

Farm Goodhouse 23: 29 December 1936: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 30 December 1936: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 31 December 1936: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 3 January 1937: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 15 August 1937: Barlow TM-Expedition, the: TM: 1 [1 - **1** - **5**].

Farm Goudhoek: 26 October 1979: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 October 1979: ?: Collector Unknown: TM: 6 [6 - **6**] - 23 September 1983: ?: Collector Unknown: TM: 12 [12 - **12**] - 24 September 1983: ?: Collector Unknown: TM: 20 [20 - **20**] - 25 September 1983: ?: Collector Unknown: TM: 20 [20 - **20** - **59**].

Farm Gouna: Collection Date Unknown: ?: Collector Unknown: KM: 6 [6 - **6** - **6**].

Farm Greefswald 37 [=Mapungubwe], Shashi-Limpopo confluence: 15 May 1988: Duthie, Andrew: TM: 3 [3 - **3**] - 30 May 1988: Duthie, Andrew: TM: 3 [3 - **3**] - 21 November 1989: Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **9** - **15**].

Farm Greefswald 37MS: 9 August 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 11 August 1973: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Farm Greefswald 37MS, Shashi-Limpopo confluence: 9 August 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 18 August 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - 19 November 1989: Schlitter, Duane Albert: CM: 7 [7 - **7**] - 20 November 1989: Schlitter, Duane Albert: CM: 6 [6 - **6**] - 22 November 1989: Schlitter, Duane Albert: CM: 9 [9 - **9** - **27**].

Farm Grootfontein: 2 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 19 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6**] - 20 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **7**] - 21 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5**] - 22 February 1983: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **17** - **36**].
Farm Groothoek 99: 18 January 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 21 January 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 23 January 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 13 [13 - **13** - **17**].
Farm Grootsuikerboschkop 124: 12 February 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Farm Haffenden Heights 35KT: 3 November 2002: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].
Farm Harmony 140KT: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Farm Hartebeesthoek: 6 November 1987: ?: Collector Unknown: TM: 1 [1]; van der Merwe, Mac: TM: 6 [6 - **7** - **7**].
Farm Hectorspruit: Collection Date Unknown: Streeter, F.: TM: 1 [1 - **1**] - 27 March 1908: Streeter, J.: TM: 1 [1 - **1**] - 22 December 1909: Streeter, J.: TM: 1 [1 - **1**] - 7 February 1911: Streeter, J.: TM: 1 [1 - **1**] - 9 February 1911: Streeter, J.: TM: 4 [4 - **4**] - 17 September 1911: Streeter, J.: TM: 1 [1 - **1**] - 18 September 1911: Streeter, J.: TM: 1 [1 - **1**] - 15 October 1913: Streeter, J.: TM: 4 [4 - **4**] - 16 October 1913: Streeter, J.: TM: 1 [1 - **1** - **15**].
Farm Hekpoort: 12 September 1971: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Farm Helena 780: Collection Date Unknown: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Farm Hilda [=V.L.NR.]: 6 February 1996: Bronner, Gary Neil: TM: 11 [11 - **11**] - 14 February 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **12**].
Farm In-de-Diepte 164JT: 4 October 2005: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].
Farm Kaalfontein 261, Ubumanzi Game Farm: 27 January 1995: Bronner, Gary Neil: TM: 3 [3 - **3**] - 27 March 1995: Bronner, Gary Neil: TM: 1 [1 - **1** - **4**].
Farm Katrina: 1 June 1987: Griesel, W.J.H.J.: TM: 1 [1 - **1** - **1**].
Farm Keikamspoort 71: 8 February 1947: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 8 January 1977: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 3 February 1977: ?: Collector Unknown: TM: 1 [1 - **1**] - 4 February 1977: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - 6 February 1977: Rautenbach, Ignatius Lourens [=Naas]: TM: 14 [14 - **14**] - 7 February 1977: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - 8 February 1977: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **4** - **30**].
Farm Kersbos: 10 October 1977: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 10 [10 - **10**] - 16 October 1977: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **11**].
Farm Kersefontein [=Berg River]: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3 - **3**] - 21 November 1917: ?: Collector Unknown: TM: 1 [1 - **1**] - 19 March 1997: ?: Collector Unknown: DNSM: 8 [8]; Kearney, Teresa Catherine; Taylor, Peter John: DNSM: 1 [1]; Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 2 [2 - **11** - **15**].
Farm Klipbanksfontein 607: 13 May 2005: Bredenkamp, H.; Fernsby, Nigel: TM: 1 [1 - **1** - **1**].
Farm Klipfontein 407, Echo caves: 15 December 1973: Meyer, Andre: TM: 5 [5 - **5**] - 11 February 1989: ?: Collector Unknown: TM: 1 [1]; Boshoff, P.: TM: 8 [8 - **9** - **14**].
Farm Klipfontein 54JS: 27 January 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 28 June 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Farm Klipgat 217JT: 5 May 2002: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].
Farm Klipsteen 67JT: 10 January 2004: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].
Farm Koegelbeen / Farm Brakfontein, Koegelbeen cave: 5 December 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **11** - **11**].
Farm Kunkuru: 22 April 2004: Fernsby, Nigel: TM: 1 [1 - **1** - **1**].
Farm Leelykstraat 320: 25 November 1983: ?: Collector Unknown: MMK: 2 [2]; Erasmus, B.H.: MMK: 3 [3 - **5** - **5**].
Farm Leeudraai 221JR: 24 January 2015: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].
Farm Leeuwspoor 647, on Pongola river: 11 December 1974: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1**] - 13 December 1974: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Farm Leeuwspoor 647, on Pongola Road: 13 December 1974: ?: Collector Unknown: TM: 8 [8 - **8** - **8**].
Farm Liverpool 202: 17 September 1988: Laatz, I.: TM: 1 [1 - **1** - **1**].
Farm Luna 61MS [=V.L.N.R.]: 14 February 1996: Bronner, Gary Neil: TM: 7 [7 - **7** - **7**].
Farm Makalali: 4 December 1977: ?: Collector Unknown: TM: 1 [1 - **1**] - 8 December 1977: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Farm Makapansgat: 11 December 1924: ?: Collector Unknown: TM: 2 [2 - **2**] - 14 January 1967: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].
Farm Makapansgat 39: 11 December 1924: Roberts, Austin: TM: 6 [6 - **6** - **6**].
Farm Makapansgat 39, Makapan cave: 9 November 1907: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2**] - 11 December 1924: Roberts, Austin: TM: 1 [1 - **1** - **3**].
Farm Makapansgat 39, Peppercorn Cave [=Peppercorn's, Peppercorn]: 10 April 1958: Copley, R.B.: TM: 1 [1 - **1** - **1**].
Farm Makapansgat 39KS: 20 September 2003: Gauteng Bat Intrest Group, The: TM: 1 [1]; Northern Areas Bat Intrest Group, The: TM: 1 [1 - **2** - **2**].
Farm Makapansgat 39KS, Ficus cave: 13 January 1958: Copley, R.B.: TM: 3 [3 - **3** - **3**].
Farm Makapansgat, Ficus cave: 13 January 1958: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].
Farm Makapansgat, Makapan cave: Collection Date Unknown: ?: Collector Unknown: TM: 15 [15 - **15**] - 4 February 1911: ?: Collector Unknown: TM: 2 [2 - **2**] - 11 December 1924: ?: Collector Unknown: TM: 1 [1 - **1** - **18**].
Farm Makapansgat, Pepercorn's cave: Collection Date Unknown: ?: Collector Unknown: TM: 29 [29 - **29**] - 30 October 1974: ?: Collector Unknown: TM: 3 [3 - **3** - **32**].
Farm Malta: 27 April 1977: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Farm Marthavale: 17 November 1977: de Jager, J.G.: TM: 4 [4 - **4**] - 26 November 1977: de Jager, J.G.: TM: 1 [1 - **1** - **5**].
Farm Mimosa 454: 15 February 1984: Erasmus, B.H.: MMK: 1 [1 - **1** - **1**].
Farm Modderfontein, Howel Davies Caves: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 7 January 1958: Copley, R.B.: TM: 4 [4 - **4**] - 8 January 1958: Copley, R.B.: TM: 1 [1 - **1**] - 7 April 1958: Copley, R.B.: TM: 2 [2 - **2**] - 9 April 1958: Copley, R.B.: TM: 1 [1 - **1**] - 15 April 1958: Copley, R.B.: TM: 1 [1 - **1**] - 30 June 1958: Copley, R.B.: TM: 3 [3 - **3**] - 16 June 1977: Jacobsen, N.J.: TM: 3 [3 - **3**] - 30 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 1 [1 - **1** - **18**].
Farm Modderfontein, Howell Davies Cave: 2 April 1958: Copley, R.B.: TM: 1 [1 - **1** - **1**].

Farm Mokeetsi 376: 1 May 1921: ?: Collector Unknown: TM: 2 [2 - **2**] - 6 January 1922: ?: Collector Unknown: TM: 1 [1 - **1**] - 6 May 1922: ?: Collector Unknown: TM: 2 [2 - **2**] - 8 May 1922: ?: Collector Unknown: TM: 1 [1 - **1**] - 21 June 1934: Mare, D.: TM: 1 [1 - **1** - **7**].

Farm Mooigenoeg 83: Collection Date Unknown: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 9 March 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 7 March 1974: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **3**] - 8 March 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 9 March 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **10**].

Farm Mooimeisjesfontein 147JQ [=Mooimeisjesfontein, Mooimysjesfontein, Mooiymysjesfontein]: 26 April 1915: Powell, W.: TM: 1 [1 - **1**] - 20 May 1915: Powell, W.: TM: 1 [1 - **1**] - 24 May 1915: Powell, W.: TM: 1 [1 - **1**] - 25 May 1915: Powell, W.: TM: 1 [1 - **1**] - 26 May 1915: Powell, W.: TM: 8 [8 - **8**] - 27 May 1915: Powell, W.: TM: 2 [2 - **2**] - 28 May 1915: Powell, W.: TM: 7 [7 - **7**] - 29 May 1915: Powell, W.: TM: 3 [3 - **3**] - 25 June 1915: Powell, W.: TM: 1 [1 - **1** - **25**].

Farm Mooiplaas 94: Collection Date Unknown: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 6 September 1973: ?: Collector Unknown: TM: 1 [1 - **1**] - 7 September 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 12 [12 - **12** - **15**].

Farm Naerina: 9 February 1975: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **3** - **3**].

Farm Nakaetsi 376: 3 July 1920: Streeter, F.: TM: 1 [1 - **1**] - 24 February 1922: Streeter, F.: TM: 1 [1 - **1** - **2**].

Farm Narap: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 6 October 1977: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 2 [2 - **2** - **4**].

Farm Nicorel 343: 16 January 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 17 January 1974: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Farm Nooitgedacht 508: 10 November 1994: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].

Farm Northern Kakamas, behind cottages at Khamkirri: Collection Date Unknown: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 4 [4 - **4** - **4**].

Farm Nydas [=Cnydas]: 7 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 11 [11 - **11**] - 9 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 7 [7 - **7**] - 10 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 2 [2 - **2**] - 11 November 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 1 [1 - **1** - **21**].

Farm Okhotso Boekenhoutskloof: 19 August 1983: Voigt, G.: TM: 1 [1 - **1** - **1**].

Farm Olifantspoort 328: 13 February 1973: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Farm Olifantspoort 328 [=Retiefkloof]: 13 February 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 15 February 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 19 February 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **5**].

Farm Olivewood 284: 1 November 1989: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8]; Schlitter, Duane Albert: CM: 4 [4 - **12**] - 2 November 1989: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8]; Schlitter, Duane Albert: CM: 5 [5 - **13** - **25**].

Farm Onverwacht 544JT, Sjonajona: 13 November 2002: Kearney, Teresa Catherine; Ndhlovu, Captain: TM: 2 [2 - **2**] - 15 November 2002: Legwai, J.: TM: 1 [1 - **1** - **3**].

Farm Oograbies West 153: 15 September 1987: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): TM: 1 [1 - **1** - **1**].

Farm Othawo 242, Sabie Sand Private Nature Reserve: 15 May 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 17 May 1974: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 May 1974: ?: Collector Unknown: TM: 1 [1 - **1**] - 14 November 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 17 November 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 19 November 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **8**].

Farm Randstephane 455 KQ [=Farm Donkerpoort 448]: 11 May 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 4 October 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 12 [12 - **12**] - 15 December 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 13 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **16**].

Farm Randstephane 455 KQ [=Farm Donkerpoort 448], Zandspruit Caves: 21 November 1974: Van der Merwe, Mac: TM: 1 [1 - **1** - **1**].

Farm Randstephne 455 KQ [=Farm Donkerpoort 448 KO], Sandspruit Cave: 14 June 1958: Copley, R.B.: TM: 1 [1 - **1**] - 16 June 1958: Copley, R.B.: TM: 1 [1 - **1**] - 12 July 1959: Copley, R.B.: SMF: 2 [2 - **2**] - 3 June 1962: Copley, R.B.: TM: 5 [5 - **5**] - 19 August 1962: Copley, R.B.: TM: 1 [1]; Copley, R.B.; Siegrist, Q.: TM: 3 [3 - **4**] - 28 February 1966: ?: Collector Unknown: BRTC: 1 [1]; Copley, R.B.: TM: 1 [1 - **2**] - 3 June 1967: Mumford, Russell E.: FMNH: 1, ROM: 1 [2]; Mumford, Russell E.; Copley, R.B.: ROM: 31 [31]; Western New Mexico University; Mumford, Russell E.: FMNH: 1 [1]; Williams, John George: ROM: 1 [1 - **35** - **50**].

Farm Randstephne 455KQ: 19 January 2013: ?: Collector Unknown: TM: 1 [1 - **1**] - 26 February 2015: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Farm Ratsegaai 204: Collection Date Unknown: ?: Collector Unknown: TM: 14 [14 - **14**] - 13 August 1977: de Jager, J.G.: TM: 1 [1 - **1**] - 31 August 1977: de Jager, J.G.: TM: 2 [2 - **2** - **17**].

Farm Regina 68 [=V.L.N.R.]: 6 February 1996: Bronner, Gary Neil: TM: 1 [1 - **1**] - 7 February 1996: Bronner, Gary Neil: TM: 2 [2 - **2**] - 12 February 1996: Bronner, Gary Neil: TM: 23 [23 - **23** - **26**].

Farm Rhenosterfontein: 1 April 1993: West, Sean D.: TM: 1 [1 - **1** - **1**].

Farm Rhenosterspruit 59JQ: 23 November 1981: Newbury, R.: TM: 2 [2 - **2** - **2**].

Farm Rhoda 9: 17 July 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Farm Rhoda 9, old mica mine: 17 July 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].

Farm Rietfontein: 3 April 1916: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Farm Rietfontein 404: 25 November 1996: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **5**].

Farm Rietfontein, pt 16: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Farm Rietgat, plot 102: 25 January 1975: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Farm River 141 MS: 21 July 1981: Newbury, R.: TM: 1 [1 - **1** - **1**].

Farm Rolspruit 127: 14 November 1976: de Jager, J.G.: TM: 1 [1 - **1** - **1**].

Farm Roodekopjes: 21 February 1988: Muller, P.: LACM: 1 [1 - **1** - **1**].

Farm Roodepoort 386: 18 December 1974: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 4 [4 - **4** - **4**].

Farm Rooikrans [=Rooikranz] 538: 19 April 1915: Powell, W.: TM: 1 [1 - **1**] - 21 April 1915: Powell, W.: TM: 1 [1 - **1**] - 23 April 1915: Powell, W.: TM: 1 [1 - **1**] - 25 April 1915: Powell, W.: TM: 2 [2 - **2**] - 26 April 1915: Powell, W.: TM: 4 [4 - **4** - **9**].

Farm Rooikranz 538: 22 April 1915: Powell, W.: TM: 1 [1 - **1** - **1**].

Farm Rotspruit: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Farm Rykvoorby 96: 18 February 1965: Prozesky, O.P.M.: TM: 1 [1 - **1**] - 13 September 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **4**].

Farm Schaapplaas 1785: Collection Date Unknown: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].
Farm Schaapplaats 930: Collection Date Unknown: Kearney, Teresa Catherine; Bogdanowicz, Wieslaw; Watson, Johan: TM: 1 [1 - **1** - **1**].
Farm Schulpfontien No.472, 16km NW: 1 February 1991: ?: Collector Unknown: TM: 1 [1 - **1**] - 2 February 1991: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Farm Scrutton 23MT: 5 August 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 7 August 1973: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **8** - **9**].
Farm Secheili's Oude Stad 6: 7 March 1939: ?: Collector Unknown: TM: 1 [1 - **1**] - 8 March 1939: Museum Expedition, The: TM: 1 [1]; Transvaal Museum Expedition, The: TM: 1 [1 - **2** - **3**].
Farm Skoongesig 360JS, Languitsig: 6 July 2003: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].
Farm Sparta: 9 May 1975: Norton, Peter M.: KNP: 1 [1 - **1** - **1**].
Farm Sterkfontein 173 IQ: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Farm Sterkspruit 412KT: 6 May 2002: Cohen, Lientjie: TM: 1 [1 - **1**] - 5 October 2002: Cohen, Lientjie: TM: 1 [1 - **1**] - 6 October 2002: Cohen, Lientjie: TM: 2 [2 - **2** - **4**].
Farm Strathfieldsaye: 24 August 1974: ?: Collector Unknown: TM: 1 [1]; Smith, Steven A.: TM: 1 [1 - **2** - **2**].
Farm Sudwalaskraal 271JT: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 3 March 2002: Cohen, Lientjie: TM: 1 [1 - **1** - **2**].
Farm Tangala 87: 12 July 1989: Neser, Walter: TM: 1 [1 - **1** - **1**].
Farm Tenbosch 112JU: 27 September 1969: Pretorius, J.J.L.: USNM: 8 [8 - **8**] - 27 October 2005: Cohen, Lientjie: TM: 1 [1 - **1** - **9**].
Farm Thankerton 175JU: 28 October 2005: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].
Farm Tweefontein 523 JQ: 18 July 2004: Gauteng Nature Conservation, The: TM: 1 [1 - **1**] - 1 February 2006: Peinke, Dean M.: TM: 1 [1 - **1** - **2**].
Farm Tweepoort 404: 21 February 1976: Kemp, A.C.: TM: 1 [1 - **1** - **1**].
Farm Tygerkloof 354: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3 - **3**] - 18 August 1995: Bronner, Gary Neil: TM: 12 [12 - **12** - **15**].
Farm Uitkyk: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 6 January 1922: van Son, G.: TM: 1 [1 - **1**] - 5 January 1933: van Son, G.: TM: 2 [2 - **2**] - 6 January 1933: ?: Collector Unknown: TM: 2 [2]; van Son, G.: TM: 2 [2 - **4**] - 7 January 1933: ?: Collector Unknown: TM: 2 [2]; van Son, G.: TM: 2 [2 - **4**] - 30 January 1933: van Son, G.: TM: 6 [6 - **6** - **18**].
Farm Vergelegen 80JS, Loskop Dam Wall Inspection Tunnel: 5 February 2001: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].
Farm Victoriaspoort 18IT: 17 February 2001: Cohen, Lientjie; Fernsby, Nigel: TM: 3 [3 - **3**] - 16 July 2003: Cohen, Lientjie: TM: 3 [3 - **3** - **6**].
Farm Victoriaspoort 18IT, Kalkoenkrans Cave: 17 April 2004: Fernsby, Nigel; Cohen, Lientjie; de Wet, Koos; Peinke, Dean M.: TM: 1 [1 - **1** - **1**].
Farm Vygeboschlaagte 236JQ: 4 September 1911: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Farm Wagondrift 230: 1 October 1987: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Weber: TM: 3 [3 - **3**] - 2 October 1987: Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Weber: TM: 7 [7 - **7** - **10**].
Farm Wakefield 2369: 20 April 2015: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Farm Wakkersdal 436KT: 3 August 2002: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].
Farm Waterval: 1 October 1918: Jeppe, Carl: TM: 1 [1 - **1**] - 16 April 2004: Fernsby, Nigel; Cohen, Lientjie; de Wet, Koos; Peinke, Dean M.: TM: 2 [2 - **2**] - 17 April 2004: Fernsby, Nigel; Cohen, Lientjie; de Wet, Koos; Peinke, Dean M.: TM: 2 [2 - **2**] - 27 October 2004: Cohen, Lientjie: TM: 2 [2 - **2** - **7**].
Farm Waterval 747: 12 February 1990: ?: Collector Unknown: NMB: 13 [13 - **13** - **13**].
Farm Waterval, Third Mine Tunnel: 17 April 2004: Fernsby, Nigel; Cohen, Lientjie; de Wet, Koos; Peinke, Dean M.: TM: 1 [1 - **1** - **1**].
Farm Welgedaan 292: Collection Date Unknown: ?: Collector Unknown: TM: 10 [10 - **10**] - 18 November 1973: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **11**].
Farm Welgevonden: 9 April 2013: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 April 2013: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 April 2013: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Farm Welgevonden 449: Collection Date Unknown: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 14 January 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 11 January 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5**] - 14 January 1974: ?: Collector Unknown: TM: 1 [1 - **1**] - 27 August 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 2012: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 January 2012: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 21 January 2012: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 28 March 2012: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 29 March 2012: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 August 2012: ?: Collector Unknown: DNSM: 1 [1 - **1** - **20**].
Farm Welgevonden 969: 5 February 2015: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Farm Witpoort 419: 17 February 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 18 February 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **3**].
Farm Wonderfontein: 22 April 1907: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 26 April 1907: Jameson, Henry Paul William Lyster: TM: 2 [2]; Jawsens: TM: 1 [1 - **3** - **4**].
Farm Wonderfontein 103IQ: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 21 September 1906: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2**] - 23 September 1906: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2**] - 26 April 1907: ?: Collector Unknown: TM: 1 [1]; Jameson, Henry Paul William Lyster: TM: 3 [3 - **4** - **9**].
Farm Wonderfontein 103IQ, Abe Baily Nature Reserve: 16 June 1994: West, Sean D.: TM: 1 [1 - **1** - **1**].
Farm Wonderfontein 103IQ, Wonderfontein Cave: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Farm Wonderfontein, River cave: 27 September 1906: Jameson, Henry Paul William Lyster: TM: 7 [7 - **7**] - 26 April 1907: Jameson, Henry Paul William Lyster: TM: 5 [5 - **5** - **12**].
Farm Woodstock: 13 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 22 [22 - **22**] - 14 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 21 [21 - **21**] - 16 February 1983: ?: Collector Unknown: TM: 1 [1 - **1** - **44**].
Farm Zanrivier: 9 October 1989: Neser, Walter: TM: 1 [1 - **1** - **1**].
Farm Zeekoegats Drift: Collection Date Unknown: ?: Collector Unknown: KM: 5 [5 - **5** - **5**].
Farm Zusterstroom 447JR: 20 May 1982: Newbury, R.: TM: 1 [1 - **1** - **1**].
Farm Zwarthoek 794: 3 July 1927: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Farms Grootsuikerboschkop & Elandslaagte: 3 May 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6**] - 4 May 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **7**].

Fauresmith: 28 August 1975: ?: Collector Unknown: NMB: 1 [1 - **1**] - 18 November 1982: ?: Collector Unknown: NMB: 4 [4 - **4**] - 14 July 1994: ?: Collector Unknown: NMB: 1 [1 - **1** - **6**].
Fauresmith [Petrusburg]: 9 December 1982: ?: Collector Unknown: NMB: 6 [6 - **6** - **6**].
Fauresmith District: Collection Date Unknown: ?: Collector Unknown: NM: 1 [1 - **1** - **1**].
Feather River: Collection Date Unknown: Fernsby, Nigel; Peinke, Dean M.; Peinke, Sacha: TM: 1 [1 - **1** - **1**].
Ferncliff Bat Cave: 15 May 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 February 2010: ?: Collector Unknown: DNSM: 4 [4]; Schoeman, M. Corrie: DNSM: 1 [1 - **5**] - 9 May 2012: ?: Collector Unknown: DNSM: 13 [13]; Schoeman, M. Corrie: DNSM: 2 [2 - **15** - **21**].
Ficksburg: 20 May 1982: ?: Collector Unknown: NMB: 1 [1 - **1**] - 20 May 1987: ?: Collector Unknown: NMB: 8 [8 - **8**] - 4 April 1988: ?: Collector Unknown: NMB: 2 [2 - **2**] - 5 September 1988: ?: Collector Unknown: NMB: 3 [3 - **3** - **14**].
Ficksburg, ca 1 km to Clocolan: 18 April 1984: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Fig forest, Left-hand bank: 30 October 1984: Wolhuter, David A.; van der Merwe, N.J.: TM: 1 [1 - **1** - **1**].
Fig Tree Camp: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1]; Wolhuter, David A.; *et al.*: TM: 1 [1 - **2**] - 25 January 1983: ?: Collector Unknown: TM: 1 [1 - **1**] - 31 August 1983: ?: Collector Unknown: TM: 9 [9 - **9**] - 27 October 1983: ?: Collector Unknown: TM: 9 [9 - **9**] - 28 November 1983: ?: Collector Unknown: TM: 10 [10 - **10**] - 29 November 1983: ?: Collector Unknown: TM: 6 [6 - **6**] - 29 December 1983: ?: Collector Unknown: TM: 5 [5 - **5**] - 30 December 1983: ?: Collector Unknown: TM: 5 [5 - **5**] - 25 January 1984: ?: Collector Unknown: TM: 14 [14]; Rautenbach, Ignatius Lourens [=Naas]; Nel; van der Merwe, Mac.: TM: 1 [1 - **15**] - 26 January 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 27 January 1984: ?: Collector Unknown: TM: 3 [3 - **3**] - 1 March 1984: ?: Collector Unknown: TM: 13 [13 - **13**] - 2 March 1984: ?: Collector Unknown: TM: 2 [2 - **2**] - 2 April 1984: ?: Collector Unknown: TM: 5 [5 - **5**] - 3 April 1984: ?: Collector Unknown: TM: 16 [16 - **16**] - 24 April 1984: ?: Collector Unknown: TM: 18 [18 - **18**] - 26 May 1984: ?: Collector Unknown: TM: 2 [2 - **2**] - 29 August 1984: ?: Collector Unknown: TM: 8 [8 - **8**] - 24 September 1984: ?: Collector Unknown: TM: 11 [11 - **11**] - 29 October 1984: ?: Collector Unknown: TM: 5 [5 - **5**] - 30 October 1984: ?: Collector Unknown: CM: 1, TM: 1 [2 - **2**] - 29 November 1984: ?: Collector Unknown: TM: 4 [4 - **4**] - 3 February 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 10 April 1985: ?: Collector Unknown: TM: 6 [6 - **6**] - 2 June 1985: ?: Collector Unknown: TM: 8 [8 - **8**] - 24 August 1985: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 August 1985: ?: Collector Unknown: TM: 1 [1 - **1**] - 6 May 1986: Rautenbach, Ignatius Lourens [=Naas]: CM: 2 [2 - **2**] - 7 May 1986: Rautenbach, Ignatius Lourens [=Naas]: CM: 4 [4 - **4**] - 18 February 1987: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 January 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 19 January 1988: Koopman, Karl Friedrich: AMNH: 8 [8 - **8**] - 22 January 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 23 January 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 23 October 1990: ?: Collector Unknown: TM: 1 [1 - **1** - **188**].
Fig Tree Camp, downstream left hand bank: 30 October 1984: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Fig Tree Camp, left hand bank: 30 October 1984: ?: Collector Unknown: TM: 10 [10 - **10** - **10**].
Fig Tree Forest: 13 January 1982: Espie, Ian W.: KNP: 3 [3 - **3**] - 23 June 1984: ?: Collector Unknown: TM: 8 [8 - **8**] - 24 June 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 24 August 1985: ?: Collector Unknown: TM: 3 [3 - **3** - **15**].
Figaro Mine: 1 October 1989: ?: Collector Unknown: TM: 10 [10]; Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **21** - **21**].
Figtree camp: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **5**] - 29 August 1983: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 2 [2 - **2**] - 1 September 1983: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 12 [12 - **12**] - 28 September 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 27 October 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - 28 November 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 29 November 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6**] - 29 December 1983: Wolhuter, David A.; *et al.*: TM: 10 [10 - **10**] - 25 January 1984: Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: TM: 13 [13 - **13**] - 26 January 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: TM: 2 [2 - **6**] - 27 January 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: TM: 3 [3 - **8**] - 1 March 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 2 March 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 1 April 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **7**] - 2 April 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8**] - 3 April 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 24 April 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 12 [12 - **12**] - 29 August 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - 14 September 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 24 September 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **9**] - 29 October 1984: Wolhuter, David A.; van der Merwe, N.J.: TM: 5 [5 - **5**] - 31 October 1984: Wolhuter, David A.: CM: 1 [1 - **1**] - 3 February 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 24 August 1985: Wolhuter, David A.: TM: 1 [1]; Wolhuter, David A.; *et al.*: TM: 3 [3 - **4**] - 30 August 1985: ?: Collector Unknown: TM: 2 [2]; Wolhuter, David A.; *et al.*: TM: 1 [1 - **3**] - 20 July 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 16 October 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 19 October 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 19 January 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **143**].
Figtree forest: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2]; Wolhuter, David A.; van der Merwe, N.J.: TM: 1 [1 - **3**] - 23 June 1984: Wolhuter, David A.; Coetzer, D.J.: TM: 3 [3 - **3**] - 24 June 1984: Wolhuter, David A.; Coetzer, D.J.: TM: 3 [3 - **3**] - 30 October 1984: ?: Collector Unknown: TM: 2 [2]; Wolhuter, David A.; van der Merwe, N.J.: TM: 4 [4 - **6**] - 31 October 1984: ?: Collector Unknown: TM: 3 [3]; Wolhuter, David A.; van der Merwe, N.J.: TM: 5 [5 - **8**] - 5 February 1985: ?: Collector Unknown: TM: 1 [1 - **1**] - 16 April 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 24 August 1985: ?: Collector Unknown: TM: 1 [1 - **1**] - 20 July 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **27**].
Figtree forest, 4.8 km down stream of bridge: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Figtree forest, 4.8 km downstream: 30 October 1984: Wolhuter, David A.; van der Merwe, N.J.: TM: 1 [1 - **1** - **1**].
Figtree Forest, downstream: 25 September 1984: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].
Fir Glen: 11 October 1931: Parker, Noel: TM: 1 [1 - **1** - **1**].
Flagstaff: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Florida: 25 October 1907: Jameson, Henry Paul William Lyster: TM: 3 [3 - **3** - **3**].
Folderia: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Forest Hills: 23 October 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 August 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 September 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 January 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 December 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 July 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].
Fort Beaufort: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Fort Beaufort, 14 km W: 10 December 1975: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].
Fort Hoek Trading store: Collection Date Unknown: ?: Collector Unknown: SAMC: 2 [2 - **2** - **2**].

Fort Yellond Farm: 14 May 2005: ?: Collector Unknown: DNSM: 2 [2]; Taylor, Peter John; *et al.*: DNSM: 3 [3 - **5** - **5**].
Fort Yolland Farm: 11 March 1996: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Fountains: Collection Date Unknown: ?: Collector Unknown: USNM: 3 [3 - **3**] - 10 March 1907: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2**] - 14 March 1907: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 5 June 1917: ?: Collector Unknown: TM: 3 [3 - **3**] - 1 October 1965: Hepplewhite, R.D.; Liversedge, T.N.: USNM: 2 [2 - **2**] - 4 October 1965: ?: Collector Unknown: USNM: 1 [1 - **1**] - 5 October 1965: Hepplewhite, R.D.; Liversedge, T.N.: USNM: 2 [2 - **2** - **14**].
Fountains Grove: 10 March 1907: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].
Fountains Valley: 5 June 1917: ?: Collector Unknown: TM: 1 [1 - **1**] - 2 May 1995: Bronner, Gary Neil: TM: 1 [1 - **1** - **2**].
Fountein Grove: 9 March 1907: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Fouriesburg: 2 May 1984: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].
Fram Middelwater 750: Collection Date Unknown: ?: Collector Unknown: NMB: 9 [9 - **9** - **9**].
Frederikstad: 15 August 1932: Lawrence, F.G.: TM: 1 [1 - **1** - **1**].
Futululu Research Station: 1 December 1987: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 29 February 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].
Fynnlands: 7 May 1994: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 21 September 1995: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
Gamafefe: 2 May 2014: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Gamberg: 25 May 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Game Valley Estates: 15 February 1996: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 14 May 1996: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 13 June 1998: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **4**].
Gamkapoort Nature Reserve: 13 March 1989: Erasmus, R.: SAMC: 1 [1 - **1** - **1**].
Gamsberg Inselberg, Aggeneys: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Ganyesa: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Garden Castle Nature Reserve: 24 January 1992: Taylor, Peter John: DNSM: 2 [2 - **2**] - 26 February 1992: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 15 March 1992: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].
Gardenia: 19 May 1969: Pretorius, J.J.L.: USNM: 8 [8 - **8** - **8**].
Garsfontein: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 31 March 1919: Roberts, Austin: TM: 1 [1 - **1**] - 31 December 1919: ?: Collector Unknown: TM: 18 [18]; Roberts, Austin: TM: 17 [17 - **35**] - 16 February 1920: ?: Collector Unknown: TM: 7 [7 - **7**] - 1 November 1921: ?: Collector Unknown: TM: 9 [9 - **9**] - 1 November 1931: Roberts, Austin: TM: 1 [1 - **1** - **54**].
Gasdrift, Nabas: 16 September 1969: Haacke, W.D.: TM: 1 [1 - **1** - **1**].
Gat Koppies: 12 December 1902: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].
Gatkop: 13 September 2005: Peinke, Dean M.: TM: 2 [2 - **2** - **2**].
Gatkop cave: 1 December 2011: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 15 [15 - **15**] - 16 December 2011: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 2 [2 - **2**] - 18 December 2011: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 8 [8 - **8** - **25**].
Gatkoppies: 14 December 1907: Jameson, Henry Paul William Lyster: TM: 6 [6 - **6**] - 15 June 1983: ?: Collector Unknown: TM: 13 [13 - **13** - **19**].
Gattis koppies: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Gauteng province: 14 January 1981: ?: Collector Unknown: SMF: 1 [1 - **1**] - 24 November 2005: Peinke, Dean M.: TM: 1 [1 - **1** - **2**].
Gazankulu, Manyeleti Game Reserve: 14 February 1987: Haagner, G.: TM: 1 [1 - **1** - **1**].
Gazankulu, Manyeleti Game Reserve, Main Camp: 15 June 1986: Haagner, G.: TM: 1 [1 - **1**] - 12 October 1986: ?: Collector Unknown: TM: 1 [1 - **1**] - 14 December 1986: Haagner, G.: TM: 1 [1 - **1**] - 19 April 1987: Haagner, G.: TM: 1 [1 - **1**] - 21 April 1987: Haagner, G.: TM: 1 [1 - **1**] - 8 May 1987: ?: Collector Unknown: TM: 1 [1 - **1**] - 2 January 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 May 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 2 December 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **9**].
Gazankulu, Manyeleti Game Reserve, Main Camp, Albatros: 10 November 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Gazankulu, Manyeleti, Hermitagie Camp: 17 June 1986: Haagner, G.: TM: 1 [1 - **1** - **1**].
Geelbek: 25 January 1987: Joubert, P.: TM: 1 [1 - **1** - **1**].
Gerlachshoop: Collection Date Unknown: Grützner: ZMB: 1 [1 - **1** - **1**].
Gezantombi waterhole: 11 April 1982: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].
Ghost Mountain: 11 August 1995: Taylor, Peter John; *et al.*: DNSM: 2 [2 - **2** - **2**].
Giants Castle Game Reserve: 9 March 1985: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Gillets: 19 May 1982: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 August 1982: Richards, G.: DNSM: 2 [2 - **2**] - 1 February 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 December 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 August 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].
Gilletts: 22 January 1928: Bell-Marley, H.W.: TM: 1 [1 - **1** - **1**].
Girivana Cave: 30 January 1960: G.M.A.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].
Gladstone's Nose [mountain]: 16 December 1984: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Gladysvale Farm: 14 March 1948: Larson, Thomas ("Tom"): MVZ: 16 [16 - **16**] - 16 March 1948: Larson, Thomas ("Tom"): MVZ: 9 [9 - **9**] - 27 March 1948: Larson, Thomas ("Tom"): AMNH: 3, MVZ: 2 [5 - **5** - **30**].
Glen: 19 March 1964: Risser, A.C.: USNM: 22 [22 - **22**] - 20 March 1964: Risser, A.C.: USNM: 9 [9 - **9**] - 22 March 1964: Risser, A.C.: USNM: 3 [3 - **3** - **34**].
Glen Anil: 4 January 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 February 2009: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 August 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Glenashley: 27 May 1992: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Glengarry Park: 26 June 1994: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Glenhills: 1 November 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 February 1993: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 August 1996: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Glenmore: 11 February 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 February 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 September 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Glenwood: 19 February 1993: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 July 1993: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 June 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 October 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 July 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 June 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 31 December

1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 March 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 June 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 August 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 August 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 January 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 September 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 October 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **14**].

Gloria: Collection Date Unknown: ?: Collector Unknown: NMB: 5 [5 - **5**] - 13 February 1986: ?: Collector Unknown: NMB: 2 [2 - **2** - **7**].

Goegab: Collection Date Unknown: Herselman, J.C.; Norton, Peter M.: KM: 2 [2 - **2**] - 1 August 1978: Herselman, J.C.: KM: 1 [1 - **1**] - 1 September 1979: Herselman, J.C.: KM: 10 [10 - **10** - **13**].

Goegap Nature Reserve: 6 February 1991: ?: Collector Unknown: TM: 1 [1]; Bronner, Gary Neil; Herholdt: TM: 1 [1 - **2** - **2**].

Goegap NR: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Golden Gate: 27 November 1990: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Good house Bay: 27 December 1936: Shortridge, Guy Chester: MCZ: 1 [1 - **1**] - 25 January 1969: Lambrechts, A.V.W.: USNM: 12 [12 - **12** - **13**].

Goodhouse: Collection Date Unknown: ?: Collector Unknown: KM: 8, USNM: 1 [9 - **9**] - 29 December 1936: Shortridge, Guy Chester: KM: 2 [2 - **2**] - 31 December 1936: Shortridge, Guy Chester: KM: 5 [5 - **5**] - 3 January 1937: Shortridge, Guy Chester: KM: 1 [1 - **1** - **17**].

Goraas, Farm FrQ 2.9: 12 February 1977: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 13 February 1977: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6**] - 13 March 1977: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **8**].

Gorge Restcamp: 22 April 1960: G.M.A.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Graaff Reinet, 23 mi SE: 19 April 1968: Lambrechts, A.V.W.: USNM: 1 [1]; Liversedge, S.J.: USNM: 1 [1 - **2** - **2**].

Graaff Reinet, 30 km SE: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].

Graaff Reinet, 40 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Grahams Town: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Graham's Town: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Grahamstown: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, MCZ: 5, MNHN: 1, NHMZ: 1, TM: 2 [10]; : ZMB: 1 [1]; Graham, K.: MCZ: 1 [1]; Grahamstown Museum, The: BMNH: 2 [2]; Smith, J.A.: BMNH: 1 [1 - **15**] - 1 January 1900: ?: Collector Unknown: USNM: 5 [5 - **5**] - 1 January 1905: ?: Collector Unknown: MCZ: 1 [1]; White, G.: MCZ: 1 [1 - **2**] - 14 April 1908: ?: Collector Unknown: MCZ: 1 [1 - **1**] - 1 January 1915: Graham, R.: TM: 1 [1 - **1**] - 22 July 1931: Roberts, Austin: TM: 1 [1 - **1**] - 1 January 1958: Ewer, R.F.: ROM: 1 [1 - **1**] - 1 November 1958: Ewer, R.F.; Churcher, C.S.: ROM: 1 [1 - **1**] - 10 August 1986: Wirminghaus, J. Olaf: DNSM: 1 [1 - **1** - **28**].

Grahamstown District: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].

Grahamstown, 12 km NW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Grahamstown, 17 km SSW: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Gramstown: 20 April 2005: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Gravelotte Mine: 25 January 1915: ?: Collector Unknown: TM: 21 [21 - **21**] - 29 January 1915: ?: Collector Unknown: TM: 2 [2 - **2** - **23**].

Gravelotte mines: 4 April 1924: Van Dam, G.P.: TM: 5 [5 - **5**] - 5 April 1924: Van Dam, G.P.: TM: 3 [3]; van Son, G.: TM: 1 [1 - **4**] - 20 April 1989: Duthie, Andrew: TM: 1 [1 - **1** - **10**].

Greefswald [= Mapungubwe]: 14 May 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 9 August 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 14 August 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 18 August 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **8**].

Greenpoint Lighthouse: 13 July 1978: Sowler, S.G.: ZMA: 1 [1 - **1**] - 28 February 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 29 May 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 5 June 1979: Sowler, S.G.: ZMA: 2 [2 - **2**] - 22 June 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 26 June 1979: Sowler, S.G.: ZMA: 1 [1 - **1** - **7**].

Greenwood Park: Collection Date Unknown: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 5 November 1996: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Greytown: 4 February 1923: Bell, H.W.; Karley: TM: 1 [1 - **1**] - 1 November 2003: Wood, J.E.: DNSM: 1 [1 - **1** - **2**].

Greyville: 22 August 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 September 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 June 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 June 2012: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Griekwastad, 25 km NNE: Collection Date Unknown: ?: Collector Unknown: MMK: 4 [4 - **4** - **4**].

Griffin mine: 16 January 1915: Van Dam, G.P.: TM: 1 [1 - **1**] - 17 January 1915: Van Dam, G.P.: TM: 1 [1 - **1** - **2**].

Groendal Wilderness Area: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 17 May 1978: ?: Collector Unknown: TM: 3 [3 - **3**] - 19 May 1978: ?: Collector Unknown: TM: 1 [1 - **1** - **6**].

Groenkloof: 3 January 1922: Roberts, Austin: TM: 4 [4 - **4**] - 1 April 1969: Pretorius, J.J.L.: USNM: 1 [1 - **1**] - 27 January 2003: West, Sean D.: TM: 1 [1 - **1**] - 24 July 2005: von Blottnitz, Axel: TM: 1 [1 - **1** - **7**].

Groot Marico, 8 km SE: Collection Date Unknown: : TM: 1 [1 - **1** - **1**].

Grootkloof: Collection Date Unknown: Neser, Walter: TM: 1 [1 - **1** - **1**].

Grootvadersbosch: 5 November 1940: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin: TM: 1 [1 - **2**] - 6 November 1940: ?: Collector Unknown: BRTC: 1, TM: 2 [3]; Roberts, Austin: TM: 4 [4 - **7** - **9**].

Grootvadersbosch Forest Reserve: 3 May 1990: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Gwalali: 20 October 1986: ?: Collector Unknown: TM: 2 [2 - **2**] - 21 October 1986: ?: Collector Unknown: TM: 2 [2 - **2** - **4**].

Gwalali Army Camp: 2 March 1984: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **8**] - 3 March 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 22 April 1984: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **6**] - 6 November 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 20 October 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 21 October 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **21**].

Haenertsburg: 2 April 1974: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **1**].

Hagesdam: Collection Date Unknown: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Hankey: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].

Hanover: 10 August 1903: Shortridge, Guy Chester: SAMC: 1 [1 - **1**] - 17 September 1992: ?: Collector Unknown: NMB: 3 [3 - **3** - **4**].

Hans Merensky Nature Reserve: 12 September 1974: ?: Collector Unknown: TM: 1 [1 - **1**] - 13 September 1974: ?: Collector Unknown: TM: 11 [11 - **11**] - 14 September 1974: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2**] - 15 September 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 9 December 1974: ?: Collector Unknown: TM: 1 [1 - **1**] - 16 June 1989: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 June 1989: TPA Nature Conservation: TM: 4 [4 - **4** - **23**].

Hans Strydom Dam Nature Reserve: 11 March 1993: West, Sean D.: TM: 2 [2 - **2** - **2**].
Happy Thoughts Gold Mine: 16 June 1995: Seamark, Ernest Charles James: DNSM: 2 [2]; Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 3 [3 - **5** - **5**].
Harkerville Forest: 1 October 2003: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Harold Johnson Nature Reserve: 10 January 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 January 1996: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 14 March 1996: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 26 April 1996: Kearney, Teresa Catherine: DNSM: 2 [2]; Schlechter, Max: DNSM: 1 [1]; Schribante, Mrs.: DNSM: 1 [1 - **4**] - 27 April 1996: Scholtz, C.: DNSM: 1 [1]; Seamark, Ernest Charles James: DNSM: 1 [1 - **2** - **9**].
Harrismith: 28 December 1959: Seete, J.: TM: 1 [1 - **1**] - 30 December 1959: ?: Collector Unknown: TM: 1 [1 - **1**] - 6 September 1972: ?: Collector Unknown: NMB: 1 [1 - **1**] - 28 October 1990: ?: Collector Unknown: NMB: 9 [9 - **9**] - 28 November 1990: ?: Collector Unknown: NMB: 15 [15 - **15** - **27**].
Harrismith [Kestell]: 17 February 1982: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Harrismith [Warden]: 12 February 1990: ?: Collector Unknown: NMB: 15 [15 - **15** - **15**].
Harrismith district: 30 December 1959: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Hartbees Fontein Camp: 26 January 1906: Pienaar, Uys de Villiers; P.L.: KNP: 1 [1 - **1**] - 6 January 1960: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **2**].
Hartbeesfontein 603 KQ: 1 January 2014: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Hartburg: 20 February 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Hartburg Bambi: 20 February 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Hartebeestpoort Dam: Collection Date Unknown: : TM: 1 [1 - **1** - **1**].
Hartswater: 1 October 1966: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Hatfield: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 December 1960: ?: Collector Unknown: TM: 2 [2 - **2** - **3**].
Hatfield, Hatfield Primary School: 3 December 1960: Skelbrin, A.; Wolff, U.: TM: 1 [1 - **1**] - 18 December 1960: Wolff, V.; *et al.*: TM: 1 [1 - **1**] - 1 December 1966: Wolff, U.; *et al.*: TM: 1 [1 - **1** - **3**].
Hathaway: 1 April 1996: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Hazelmere Dam: 12 May 1986: Roberts: TM: 1 [1 - **1**] - 9 August 1987: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Hazelmere Dam Nature Reserve: 26 July 1993: Bronner, Gary Neil: TM: 1 [1 - **1** - **1**].
Hectorspruit: Collection Date Unknown: ?: Collector Unknown: SAMC: 1, TM: 1 [2]; Streeter, F.: TM: 2 [2 - **4**] - 28 January 1910: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 January 1910: ?: Collector Unknown: TM: 3 [3 - **3**] - 1 February 1910: ?: Collector Unknown: TM: 1 [1 - **1**] - 7 February 1910: Streeter, F.: TM: 1 [1 - **1**] - 9 February 1910: ?: Collector Unknown: TM: 1 [1 - **1**] - 7 March 1910: Streeter, F.: TM: 1 [1 - **1**] - 19 March 1910: Streeter, F.: TM: 1 [1 - **1**] - 9 February 1911: ?: Collector Unknown: TM: 1 [1 - **1**] - 22 May 1911: Streeter, F.: TM: 1 [1 - **1**] - 18 September 1911: ?: Collector Unknown: TM: 3 [3 - **3**] - 10 December 1911: ?: Collector Unknown: TM: 2 [2]; Streeter, F.: TM: 1 [1 - **3**] - 23 November 1912: ?: Collector Unknown: TM: 1 [1 - **1**] - 19 April 1913: Streeter, F.: TM: 1 [1 - **1**] - 17 October 1913: Streeter, F.: TM: 1 [1 - **1**] - 13 June 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **25**].
Heidelberg: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].
Heilbron: 20 April 1983: ?: Collector Unknown: NMB: 2 [2 - **2**] - 21 April 1983: ?: Collector Unknown: NMB: 3 [3 - **3** - **5**].
Hella Hella Game Reserve: 22 February 1996: Porter, B.: DNSM: 1 [1 - **1** - **1**].
Hella Hella Game Valley Estates: 30 December 1997: Crouch, Tanza E.: DNSM: 1 [1 - **1**] - 14 June 1998: ?: Collector Unknown: DNSM: 1 [1]; Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **3** - **4**].
Hella Hella GR: 30 December 1997: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Hella-Hella Game Valley Estates: 15 May 1996: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 18 June 1998: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **2**].
Hells Gate: 8 April 1999: ?: Collector Unknown: DNSM: 24 [24 - **24**] - 13 January 2000: ?: Collector Unknown: DNSM: 7 [7 - **7**] - 28 June 2000: ?: Collector Unknown: DNSM: 26 [26 - **26**] - 25 July 2002: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 29 August 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **61**].
Hells Gate: 7 January 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 June 2000: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 25 July 2002: ?: Collector Unknown: DNSM: 3 [3 - **3** - **6**].
Hells Gate Military Base: 28 June 2000: ?: Collector Unknown: DNSM: 1 [1]; Taylor, Peter John; *et al.*: HNHM: 6 [6 - **7** - **7**].
Hennops River: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3 - **3**] - 10 July 1927: Lang, Herbert: FMNH: 5 [5 - **5**] - 11 January 1965: Venter: TM: 1 [1 - **1**] - 1 November 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 December 1998: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 7 May 2002: Fernsby, Nigel: TM: 1 [1 - **1**] - 18 December 2004: Fernsby, Nigel: TM: 1 [1 - **1** - **15**].
Hester Malan Nature Reserve: 3 February 1982: van der Westhuizen, P.: TM: 1 [1 - **1** - **1**].
Hester Malan Wild Flower Reserve: 30 March 1976: ?: Collector Unknown: TM: 1 [1 - **1**] - 3 February 1982: ?: Collector Unknown: TM: 3 [3 - **3** - **4**].
Het Kruis: 10 February 1938: Geldenhuys, P.J.: MCZ: 1 [1 - **1**] - 15 February 1938: Geldenhuys, P.J.: MCZ: 1 [1 - **1** - **2**].
Hex River Estates: 28 December 1937: Shortridge, Guy Chester; Carter, T. Donald: KM: 1 [1 - **1**] - 3 January 1938: Shortridge, Guy Chester; Carter, T. Donald: KM: 1 [1 - **1** - **2**].
Hilgobbin Dargler: 1 September 1939: Frannin, G.G.: TM: 1 [1 - **1** - **1**].
Hillary: 15 April 1912: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 10 March 1976: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
Hillary area, probably: 1 January 1998: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].
Hillary, Hillary School: 27 October 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Hillcrest: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 April 1993: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 December 1993: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 April 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 September 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 December 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 April 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 April 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **8**].
Hillside Farm: 14 September 2011: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 30 March 2012: ?: Collector Unknown: DNSM: 2 [2 - **2** - **5**].
Hilton: 21 September 1982: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 June 1987: Porter, R.N.: TM: 1 [1 - **1**] - 15 January 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 December 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 March 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 November 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].
Hilton Railway tunnel: 11 September 1983: Cassidy, R.J.; Wolhuter, David A.: TM: 1 [1]; Wolhuter, David A.; Cassidy, R.J.: TM: 15 [15 - **16** - **16**].

Hlabeni Forest Reserve: 25 August 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 July 2000: Forbes, D.: DNSM: 1 [1 - **1** - **2**].
Hlabisa: Collection Date Unknown: : KM: 7 [7 - **7**] - 26 July 1987: Cooke, M.L.; Natal Parks Board, The: TM: 1 [1 - **1** - **8**].
Hlatikulu Forest Reserve: 2 April 2012: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Hluhluwe Game Reserve: Collection Date Unknown: ?: Collector Unknown: NM: 1 [1 - **1**] - 9 March 1965: Zumpt, Frits Konrad Ernst: ZFMK: 1 [1 - **1**] - 5 April 1965: Zumpt, Frits Konrad Ernst: ZFMK: 2 [2 - **2** - **4**].
Hluhluwe Game Reserve, Research camp: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1]; Bronner, Gary Neil: TM: 2 [2 - **3**] - 23 July 1993: Bronner, Gary Neil: TM: 2 [2 - **2**] - 24 July 1993: Bronner, Gary Neil: TM: 1 [1 - **1** - **6**].
Hluhluwe-Imfolozi Park, HQ: 28 March 1968: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 July 1968: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Hoedspruit: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Hondeklipbaai: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].
Honingkloof Farm: Collection Date Unknown: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Hoopstad: 22 February 1999: ?: Collector Unknown: NMB: 1 [1 - **1**] - 12 April 2000: ?: Collector Unknown: NMB: 2 [2 - **2** - **3**].
Hopefield: 30 March 2008: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].
Hopefield mine: 3 March 2010: ?: Collector Unknown: DNSM: 6 [6 - **6**] - 4 March 2010: ?: Collector Unknown: DNSM: 1 [1 - **1** - **7**].
Hopetown, near: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Horo: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 31 May 1916: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Horo, in old mine drive: 30 June 1916: Roberts, Austin: TM: 2 [2 - **2** - **2**].
Hotazel, 15 km WNW: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Hout Bay: 1 January 1975: Visser, John: AMNH: 1 [1 - **1**] - 3 March 1975: Visser, John: AMNH: 1 [1 - **1** - **2**].
Houtbosdorp, 2 mi E: 28 January 1967: Rautenbach, Ignatius Lourens [=Naas]: USNM: 7 [7]; Silberstein, A.R.: USNM: 6 [6 - **13** - **13**].
Howell Davies Caves: 7 January 1958: ?: Collector Unknown: TM: 22 [22 - **22** - **22**].
Howick: 31 December 1983: Bourquin, O.: TM: 1 [1 - **1**] - 28 February 1989: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 January 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 October 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 December 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].
Howick village: 15 January 1982: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Huhea cave: 5 July 1986: University Venda Staff, The: TM: 3 [3 - **3** - **3**].
Humansdorp: Collection Date Unknown: : KM: 6 [6 - **6** - **6**].
Huwi Private Nature Reserve: 26 March 1977: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].
Illovo: 1 September 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Illovo South: 26 November 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Inanda Dam: 9 December 1997: Kearney, Teresa Catherine: DNSM: 3 [3 - **3** - **3**].
Ingwavuma: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1]; Cooper, R.L.: TM: 1 [1 - **2**] - 6 August 1933: ?: Collector Unknown: TM: 1 [1 - **1**] - 7 August 1933: ?: Collector Unknown: TM: 2 [2 - **2**] - 15 August 1933: Roberts, Austin: TM: 1 [1 - **1** - **6**].
Ingwavuma, Border Cave: 1 April 2012: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Ingwavuma, village: 4 September 1933: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Ingwavumia: 7 September 1933: Roberts, Austin: TM: 6 [6]; Roberts, Austin; Wilson, B.: TM: 2 [2]; Roberts, Austin; Wilson, R.: TM: 1 [1 - **9**] - 8 September 1933: Roberts, Austin: TM: 1 [1 - **1** - **10**].
Ingwenya Farm: 4 January 2007: Goodman, Steven M.: FMNH: 7 [7 - **7** - **7**].
Inkomati River: 20 December 1911: Roberts, Austin: TM: 4 [4 - **4** - **4**].
Inkwazi Training Centre: 8 June 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Insizwe Mine: 3 March 2001: ?: Collector Unknown: DNSM: 7 [7]; Taylor, Peter John: DNSM: 1 [1 - **8** - **8**].
Insusie Valley: 17 November 1913: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Insuzi river: Collection Date Unknown: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 10 December 1953: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 2 [2 - **2**] - 11 December 1953: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 5 [5 - **5** - **8**].
Interior of Caffraria: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, RMNH: 1 [2]; Stockholm museum, The: BMNH: 1 [1 - **3** - **3**].
Iphiva Camp: 8 May 1990: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 26 April 1998: ?: Collector Unknown: DNSM: 5 [5 - **5**] - 29 April 1998: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 24 September 1999: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 25 September 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **12**].
Irene: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 6 June 1917: ?: Collector Unknown: TM: 4 [4 - **4**] - 26 October 1931: ?: Collector Unknown: TM: 1 [1 - **1**] - 28 October 1935: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 December 1958: ?: Collector Unknown: TM: 1 [1 - **1**] - 9 October 2003: Harrison, James du G: TM: 1 [1 - **1**] - 17 April 2005: Harrison, James du G: TM: 2 [2 - **2** - **12**].
Irene, Agricultural Research Council [= ARC] grounds: 28 January 2004: West, Sean D.: TM: 1 [1 - **1** - **1**].
Irene, Cave of Death: 9 February 1958: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Irene, Irene cave: 27 May 1988: van der Merwe, Mac: TM: 5 [5 - **5**] - 13 April 1989: van der Merwe, Mac: TM: 1 [1 - **1** - **6**].
Isipingo: 26 July 1995: ?: Collector Unknown: DNSM: 4 [4 - **4**] - 24 March 1996: ?: Collector Unknown: DNSM: 8, TM: 11 [19 - **19** - **23**].
Itala Game Reserve: 26 January 1976: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Itala Game Reserve, sandstone cave: Collection Date Unknown: ?: Collector Unknown: TM: 12 [12 - **12** - **12**].
Itala National Park: 10 March 1981: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Itala Nature Reserve: Collection Date Unknown: : TM: 1 [1 - **1**] - 26 January 1976: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Ithala [=Itala] Game Reserve, Main camp: 28 September 1995: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].
Ithala Game Reserve: 14 March 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 February 1998: Kearney, Teresa Catherine: DNSM: 4 [4 - **4**] - 19 February 1998: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 20 February 1998: Kearney, Teresa Catherine: DNSM: 3 [3 - **3**] - 21 February 1998: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **10**].
Ithala Game Reserve [=Itala Nature Reserve]: 14 February 1980: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Jacobsdal: 6 May 1992: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Jagersfontein: 11 December 1989: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Jagersfontein Commonage: 23 January 1990: ?: Collector Unknown: NMB: 4 [4 - **4**] - 12 February 1990: ?: Collector Unknown: NMB: 13 [13 - **13**] - 15 February 1990: ?: Collector Unknown: NMB: 1 [1 - **1**] - 16 February 1990: ?: Collector Unknown: NMB: 42 [42 - **42** - **60**].
Jagersfontein Commonage, Disused mine: Collection Date Unknown: ?: Collector Unknown: NMB: 44 [44 - **44** - **44**].
Jamestown: 4 September 1986: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Jan Smit Steel Works, near: 8 April 1986: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Jane Furse Hospital: 11 December 1960: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Jansenville, 12 km E: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Johannesburg: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 19 October 1906: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 24 October 1906: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 17 August 2003: Schoeman, M. Corrie: TM: 1 [1 - **1** - **4**].
John Nash Nature Reserve: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2**] - 24 November 1921: ?: Collector Unknown: TM: 4 [4 - **4**] - 22 June 1962: Mumford, Russell E.: ROM: 1 [1 - **1**] - 29 October 1966: Coetzee, C.G.: TM: 1 [1 - **1**] - 4 March 1967: Meester, Jurgens Anthonie Janse [=Waldo]; *et al.*: ROM: 1 [1]; Meester, Jurgens Anthonie Janse [=Waldo]; Rautenbach, Ignatius Lourens [=Naas]; Mumford, Russell E.: ROM: 1 [1]; Mumford, Russell E.: ROM: 1 [1]; Mumford, Russell E.; *et al.*: ROM: 2 [2 - **5**] - 13 April 1967: Mumford, Russell E.: ROM: 14 [14 - **14**] - 11 May 1967: Mumford, Russell E.: ROM: 1 [1 - **1**] - 4 June 1975: ?: Collector Unknown: TM: 1 [1 - **1** - **29**].
Jonker Trust Farm: 28 February 2015: ?: Collector Unknown: TM: 1 [1 - **1**] - 3 March 2015: ?: Collector Unknown: TM: 2 [2 - **2** - **3**].
Jonkershoek: Collection Date Unknown: Herselman, J.C.; Norton, Peter M.: KM: 1 [1 - **1** - **1**].
Jonkershoek Nature Conservation Research Station: 22 November 1988: Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 1 [1 - **1**] - 23 November 1988: Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 3 [3 - **3** - **4**].
Jonkershoek Nature Reserve: 17 March 1997: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 4 [4 - **4** - **4**].
Jonkershoek research station: 22 November 1988: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 23 November 1988: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 24 November 1988: Schlitter, Duane Albert: CM: 2 [2 - **2** - **4**].
Jozini: 3 April 1985: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Jozini Dam: 23 August 1995: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 31 August 1996: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 2 [2 - **2**] - 28 November 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 2 April 2001: ?: Collector Unknown: DNSM: 2 [2 - **2** - **6**].
Jozini Village: 30 November 1997: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].
Jususie valley [=Insuzi valley]: 17 November 1903: Grant, Claude Henry Baxter; Rudd Expedition, The: BMNH: 1 [1 - **1** - **1**].
Kaalrug: 25 October 2004: Cohen, Lientjie: TM: 2 [2 - **2** - **2**].
Kaap provincie [=Cape province]: Collection Date Unknown: Ecklon: NMW: 1 [1 - **1**] - 6 August 1883: Ward, Henry Augustus: MCZ: 1 [1 - **1**] - 1 January 1900: ?: Collector Unknown: USNM: 1 [1 - **1** - **3**].
Kaap river: Collection Date Unknown: Rendall, Percy: BMNH: 1 [1 - **1** - **1**].
Kaapse Hoop, Farm Drysdale: Collection Date Unknown: Lewis, E.: TM: 1 [1 - **1** - **1**].
Kabbefontein: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].
Kabusi Forest: 10 November 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 11 November 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Kabusi Forest station: 1 April 1978: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Kaffaria: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Kaffraria: Collection Date Unknown: ?: Collector Unknown: KM: 1 [1 - **1** - **1**].
Kaggasmoudt: Collection Date Unknown: ?: Collector Unknown: KM: 4 [4 - **4**] - 29 December 1932: Turnbull, Jack K.: NM: 1 [1 - **1**] - 7 January 1933: Turnbull, Jack K.: KM: 1 [1 - **1**] - 11 January 1933: Turnbull, Jack K.: KM: 9 [9 - **9**] - 21 July 1959: ?: Collector Unknown: NM: 1 [1 - **1** - **16**].
Kakamas, 47 km NW: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Kalahari Gemsbok NP: Collection Date Unknown: ?: Collector Unknown: MMK: 2 [2 - **2**] - 23 January 1967: de Graaff, Gerrit; Els, D.A.: ROM: 1 [1]; Mumford, Russell E.: ROM: 2 [2 - **3** - **5**].
Kalahari Gemsbok-NP: 24 November 1967: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Kalahari Gemsbok-NP, Bayip: 9 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 10 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **2**].
Kalahari Gemsbok-NP, Dankbaar: 9 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 10 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **6**].
Kalahari Gemsbok-NP, Kameelsleep: Collection Date Unknown: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 8 July 1986: Brain, C.K.: TM: 2 [2 - **2** - **3**].
Kalahari Gemsbok-NP, Leeuwdril: 5 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8** - **8**].
Kalahari Gemsbok-NP, Rooikop: 5 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **11**] - 6 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 20 [20 - **20** - **31**].
Kalahari Gemsbok-NP, Twee Riveren: 29 April 1965: Coetzee, C.G.: TM: 5 [5]; Coetzee; le Riche, B.: TM: 1 [1 - **6**] - 30 April 1965: Coetzee, C.G.: TM: 1 [1 - **1** - **7**].
Kalahari-Gemsbok NP, Nossob: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Kalahari-Gemsbok NP, Nossob Camp: 26 November 1968: Lambrechts, A.V.W.: USNM: 1 [1 - **1** - **1**].
Kamberg Nature Reserve: 7 January 1978: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 December 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 24 December 1984: Dickson, E.: TM: 1 [1 - **1**] - 1 April 1995: ?: Collector Unknown: DNSM: 1 [1]; Taylor, Peter John: DNSM: 1 [1 - **2** - **5**].
Kamberg Valley: 1 January 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Kamferboom: 24 November 1967: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].
Kamfersboom: 24 November 1967: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Kammannassie M.C.A [Camp 2]: 10 February 1979: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Kanaan: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Karkloof Forests: 27 August 1974: SAS: TM: 1 [1]; Smith, Steven A.: TM: 1 [1 - **2** - **2**].
Karoo-NP: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 22 January 1979: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.; de Graaff: TM: 2 [2 - **3**] - 30 January 1979: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: TM: 1 [1 - **2** - **7**].
Kastrol Nek: 20 January 1922: Roberts, Austin: TM: 3 [3 - **3** - **3**].
Kenilworth: 15 March 1906: Sclater, William Lutley: MSNG: 1 [1 - **1** - **1**].

Kenneth Stainbank Nature Reserve: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 March 1982: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 March 1982: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 March 1982: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 March 1982: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 26 April 1982: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 February 1997: Kearney, Teresa Catherine: DNSM: 4 [4 - **4**] - 27 March 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **13**].
Kensington: 30 July 2010: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Kgaswana Nature Reserve: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Kgaswane Nature Reserve: 12 October 2010: ?: Collector Unknown: TM: 2 [2 - **2**] - 11 December 2010: ?: Collector Unknown: TM: 2 [2 - **2** - **4**].
Khamkirri Private Game Reserve, site 1: 8 February 2005: Seamark, Ernest Charles James: TM: 6 [6 - **6** - **6**].
Khamkirri Private Game Reserve, site 2: 9 February 2005: Seamark, Ernest Charles James: TM: 1 [1 - **1**] - 10 February 2005: Seamark, Ernest Charles James: TM: 1 [1 - **1** - **2**].
Khayalami Bay: 1 May 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 30 November 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 February 2002: ?: Collector Unknown: DNSM: 9 [9 - **9** - **11**].
Kimberley: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1**] - 6 March 1973: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
King Willlam's Town: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
King William's Town: Collection Date Unknown: ?: Collector Unknown: KM: 15, NHMZ: 2, SAMC: 3 [20]; : KM: 5 [5 - **25**] - 25 March 1925: Williams, D.C.: MCZ: 1 [1 - **1**] - 10 August 1927: Kaoshagen, B.H.: MCZ: 1 [1 - **1**] - 1 September 1927: Donion, A.C.: MCZ: 1 [1 - **1**] - 2 September 1927: Donion, A.C.: MCZ: 1 [1 - **1**] - 27 September 1931: Turnbull, Jack K.: MCZ: 1 [1 - **1**] - 28 September 1931: Turnbull, Jack K.: MCZ: 1 [1 - **1**] - 2 October 1931: Turnbull, Jack K.: MCZ: 2 [2 - **2**] - 3 October 1931: Turnbull, Jack K.: MCZ: 1 [1 - **1**] - 10 October 1931: Turnbull, Jack K.: MCZ: 1 [1 - **1**] - 14 October 1931: Turnbull, Jack K.: MCZ: 1 [1 - **1**] - 24 November 1931: Turnbull, Jack K.: MCZ: 1 [1 - **1**] - 24 January 1932: Turnbull, Jack K.: MCZ: 1 [1 - **1**] - 29 March 1932: Turnbull, Jack K.: MCZ: 1 [1 - **1**] - 6 November 1936: Turnbull, Jack K.: MCZ: 1 [1 - **1**] - 4 April 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 27 September 1938: Turnbull, Jack K.: MCZ: 1 [1 - **1**] - 29 April 1944: Arends, Nicholas P.: AMNH: 1 [1 - **1**] - 29 May 1944: : HZM: 1 [1 - **1**] - 6 January 1949: Arends, Nicholas P.: AMNH: 1 [1 - **1**] - 14 October 1949: Arends, Nicholas P.: AMNH: 2 [2 - **2**] - 31 October 1949: Arends, Nicholas P.: AMNH: 1 [1 - **1**] - 14 November 1949: Arends, Nicholas P.: AMNH: 1 [1 - **1**] - 5 December 1949: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 1 January 1979: Hart, A.: MSB: 1 [1 - **1**] - 9 January 1979: Wingate, Lloyd R.; Shei, C.: TTU: 1 [1 - **1** - **52**].
King William's Town, 18 km NW: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2** - **2**].
King Williamstown: Collection Date Unknown: ?: Collector Unknown: KM: 5 [5]; Vandeventer, W.: CM: 1 [1 - **6**] - 26 March 1922: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 27 March 1925: Shortridge, Guy Chester; Williams: BMNH: 1 [1 - **1**] - 6 April 1939: ?: Collector Unknown: KM: 1 [1 - **1**] - 23 August 1941: Benkenstein: KM: 1 [1 - **1**] - 27 May 1943: ?: Collector Unknown: KM: 1 [1 - **1**] - 6 December 1943: Domion: KM: 1 [1 - **1**] - 31 January 1947: ?: Collector Unknown: KM: 1 [1 - **1**] - 16 December 1947: Arends, Nicholas P.: AMNH: 1 [1 - **1**] - 12 March 1965: Newberry: KM: 1 [1 - **1**] - 9 January 1979: Wingate, Lloyd R.: KM: 1 [1 - **1**] - 15 January 1979: Wingate, Lloyd R.: KM: 1 [1 - **1**] - 16 July 1979: Wingate, Lloyd R.: KM: 1 [1 - **1**] - 8 December 1979: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **19**].
King Willlam's Town: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].
King Wllllam's Town, 18 km NW: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
King Wlillam's Town: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Kingpark: 22 May 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
King's Beach: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Kingsburgh: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 September 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 January 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 August 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 February 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 July 2009: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 December 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **8**].
Klaserie Private Nature Reserve: 25 January 1996: von Brandis, R.: TM: 1 [1 - **1**] - 26 January 1996: von Brandis, R.: TM: 1 [1 - **1**] - 23 April 1996: von Brandis, R.: TM: 1 [1 - **1** - **3**].
Klaserie-Olifant River Confluence: 28 July 1933: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Klaver: 29 September 1917: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin; Adendorff: TM: 1 [1 - **2**] - 30 September 1917: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin; Adendorff: TM: 1 [1 - **2**] - 1 October 1917: Roberts, Austin; Adendorff: TM: 1 [1 - **1**] - 4 October 1917: ?: Collector Unknown: TM: 3 [3 - **3**] - 10 October 1917: Roberts, Austin; Adendorff: TM: 1 [1 - **1**] - 4 November 1917: ?: Collector Unknown: TM: 1 [1 - **1** - **10**].
Klein Letaba: 22 July 1905: Grant, Claude Henry Baxter: TM: 1 [1 - **1**] - 3 August 1905: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 2 [2 - **2**] - 18 August 1905: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 24 September 1905: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **5**].
Klein Namaqualand, Garies: 16 December 1936: Shortridge, Guy Chester: KM: 1 [1 - **1**] - 27 September 1947: Larson, Thomas ("Tom"): MVZ: 4 [4 - **4** - **5**].
Klein Namaqualand, Klipfontein: 14 April 1903: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1**] - 17 April 1903: Grant, Claude Henry Baxter; Rudd, C.D.: BMNH: 1 [1 - **1** - **2**].
Kleinfontein: 25 April 1969: Pretorius, J.J.L.: USNM: 8 [8 - **8**] - 27 April 1969: Pretorius, J.J.L.: USNM: 2 [2 - **2** - **10**].
Kleinpoort: 22 July 1931: Roberts, Austin: TM: 4 [4 - **4**] - 24 July 1931: Roberts, Austin: TM: 5 [5 - **5**] - 27 July 1931: Roberts, Austin: TM: 2 [2 - **2**] - 22 August 1931: Purnell, W.: TM: 1 [1 - **1** - **12**].
Klipfontein, Waterberg: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Kloof: 25 July 1991: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 May 1997: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 5 December 1997: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 28 December 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 January 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 2 February 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 September 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 December 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 2 December 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 January 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 December 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 January 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 August 2002: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 17 October 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 December 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 2 February 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 July 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 February 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **25**].

Kloof area: 15 April 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Kloof Falls Road/ Bridle Road picnic site: 1 January 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Knoffelfontein: 12 March 1964: Risser, A.C.: USNM: 1 [1 - **1**] - 14 March 1964: Risser, A.C.: USNM: 4 [4 - **4** - **5**].
Knoffelfontein, 22 km S: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Knysna: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, MNHN: 1, NHMZ: 1, SAMC: 2, TM: 11 [16]; : BMNH: 8, KM: 3 [11]; Rex, J.H.: TM: 5 [5 - **32**] - 7 March 1905: Daneel, W.B.: TM: 1 [1 - **1**] - 3 April 1905: ?: Collector Unknown: BMNH: 1, TM: 1 [2]; Grant, Claude Henry Baxter: TM: 2 [2 - **4**] - 1 February 1909: Rex, J.H.: TM: 1 [1 - **1**] - 11 February 1909: ?: Collector Unknown: TM: 2 [2 - **2**] - 18 February 1909: ?: Collector Unknown: TM: 1 [1 - **1**] - 16 April 1921: ?: Collector Unknown: TM: 1 [1 - **1** - **42**].
Koegelbeen Cave: Collection Date Unknown: ?: Collector Unknown: MMK: 4 [4 - **4**] - 8 March 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 March 2008: ?: Collector Unknown: DNSM: 4 [4 - **4** - **9**].
Koegelbeen Cave, near: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Koegelbeen Caves: 25 August 1989: ?: Collector Unknown: NMB: 75 [75 - **75**] - 22 February 1997: ?: Collector Unknown: NMB: 9 [9 - **9** - **84**].
Kok's farm: 13 July 1978: Wolhuter, David A.: TM: 1 [1 - **1**] - 3 October 1979: ?: Collector Unknown: TM: 3 [3 - **3**] - 10 January 1980: ?: Collector Unknown: TM: 4 [4 - **4**] - 10 September 1983: ?: Collector Unknown: TM: 11 [11 - **11** - **19**].
Kokstad Mine: 23 July 2004: Stoffberg, Samantha; Schoeman, M. Corrie: DNSM: 2 [2 - **2** - **2**].
Komati River: 20 December 1911: Joubert, R.: TM: 1 [1 - **1** - **1**].
Komatipoort: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 1 April 1970: White, A.G.: TM: 1 [1 - **1**] - 20 November 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 July 2001: Jacobs, Sgts.: TM: 3 [3 - **3** - **6**].
Komatipoort, 3.2 km N: 1 April 1970: White, A.G.: TM: 1 [1 - **1** - **1**].
Komgha: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Koppies: 16 March 1982: ?: Collector Unknown: NMB: 7 [7 - **7**] - 17 March 1982: ?: Collector Unknown: NMB: 1 [1 - **1** - **8**].
Kosi Bay: 7 May 1964: Risser, A.C.: USNM: 1 [1 - **1** - **1**].
Kosi Bay estuary: 25 April 1976: ?: Collector Unknown: TM: 1 [1 - **1**] - 26 April 1976: ?: Collector Unknown: TM: 10 [10 - **10** - **11**].
Kosi Bay Nature Reserve: 28 December 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 January 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 January 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 30 October 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
Kosi Lake: Collection Date Unknown: Bronner, Gary Neil; *et al.*: TM: 1 [1 - **1** - **1**].
Kosi Lake, Department of Health Camp: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 16 October 1988: ?: Collector Unknown: TM: 2 [2 - **2**] - 20 October 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 21 October 1988: ?: Collector Unknown: TM: 1 [1]; Bronner, Gary Neil; *et al.*: TM: 1 [1 - **2** - **7**].
Koster Cave: 26 April 1922: Van Dam, G.P.: TM: 1 [1 - **1** - **1**].
Koster Caves: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].
Kraaibosch 55 JT: 21 January 2012: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Kranskloof Nature Reserve: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 21 January 1988: Erasmus, G.: TM: 1 [1 - **1**] - 27 January 1988: ?: Collector Unknown: TM: 1 [1]; Erasmus, G.: TM: 1 [1 - **2** - **4**].
Kranskop: 1 November 1960: White, A.G.;Prozesky, O.P.M.: TM: 1 [1 - **1** - **1**].
Krantzkloof Nature Reserve: 25 May 1988: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 November 1997: Kearney, Teresa Catherine: DNSM: 2 [2 - **2**] - 10 November 1997: Kearney, Teresa Catherine; Seamark, Ernest Charles James: DNSM: 1 [1 - **1** - **4**].
Kranzkloof Nature Reserve: 14 March 1991: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 March 1991: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 March 2008: ?: Collector Unknown: DNSM: 4 [4 - **4**] - 26 March 2008: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 29 March 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **9**].
Krokodil river: 1 January 1888: Wahlberg, Johan August: RMNH: 1 [1 - **1** - **1**].
Kromdraai Gold Mine: 26 March 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Kruger Gate bridge: 14 February 1988: ?: Collector Unknown: TM: 13 [13 - **13**] - 25 March 1988: ?: Collector Unknown: TM: 12 [12 - **12**] - 27 April 1988: ?: Collector Unknown: TM: 15 [15 - **15**] - 27 May 1988: ?: Collector Unknown: TM: 8 [8]; Braack, L.E.O.: TM: 1 [1 - **9**] - 1 June 1988: ?: Collector Unknown: TM: 3 [3 - **3**] - 21 August 1988: ?: Collector Unknown: TM: 7 [7 - **7**] - 30 August 1988: ?: Collector Unknown: TM: 6 [6 - **6**] - 25 September 1988: ?: Collector Unknown: TM: 8 [8 - **8**] - 24 October 1988: ?: Collector Unknown: TM: 15 [15 - **15**] - 17 November 1988: ?: Collector Unknown: TM: 14 [14 - **14**] - 29 December 1988: ?: Collector Unknown: TM: 12 [12 - **12** - **114**].
Kruger National Park: Collection Date Unknown: ?: Collector Unknown: KNP: 1 [1 - **1**] - 13 March 1979: Massyn, William: KNP: 1 [1 - **1** - **2**].
Kruger NP, Levuvhu Bridge: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].
Kruger NP, Mockford's orchard, on Levubu River: Collection Date Unknown: : SNP: 6, TM: 1 [7 - **7** - **7**].
Kruger NR, Pafur: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Kruger-N.P., Malelane: 30 March 1920: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Kruger-NP: Collection Date Unknown: ?: Collector Unknown: SNP: 1 [1 - **1**] - 2 October 1983: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Kruger-NP, Bangu gorge caves: 6 March 1984: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **3** - **3**].
Kruger-NP, Nwaswitshaka: Collection Date Unknown: ?: Collector Unknown: SNP: 1 [1 - **1** - **1**].
Kruger-NP, unspecified locality: Collection Date Unknown: ?: Collector Unknown: SNP: 1 [1 - **1** - **1**].
Kruger-NP, WNLA HQ: 11 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].
Krugersdorp: Collection Date Unknown: : KM: 2 [2 - **2**] - 12 October 1906: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 1 December 1967: Robsory: ROM: 5 [5 - **5**] - 10 December 1967: Baddeley, M. St. C.: ROM: 6 [6 - **6** - **14**].
Kube Yini Private Game Reserve: 18 August 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Kububе Hide: 1 August 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 August 2006: ?: Collector Unknown: DNSM: 4 [4 - **4** - **5**].
Kudus Vlei farm: 28 November 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Kuduskop: 1 February 1999: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Kumasinga Pan: 30 July 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 July 2008: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 2 August 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Kumsinga Hide: 9 October 1995: Taylor, Peter John: DNSM: 1 [1 - **1**] - 8 August 2006: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 23 August 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 September 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 July 2007: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 6 August 2007: ?: Collector Unknown: DNSM: 3 [3 - **3** - **10**].
Kuruman: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, MMK: 1, USNM: 1 [3]; Dent, R.E.: BMNH: 1 [1]; Fritsche: ZMB: 3 [3 - **7**] - 24 January 1904: Dent, R.E.: BMNH: 1 [1 - **1**] - 7 March 1904: Dent, R.E.; Woosnam, R.B.: BMNH: 1 [1 - **1**] - 19 April 1904: Woosnam, R.B.: BMNH: 1 [1 - **1**] - 7 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 13 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 15 February 1983: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **12**] - 16 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 21 [21 - **21**] - 17 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 19 [19 - **19**] - 11 February 1988: ?: Collector Unknown: MMK: 1 [1 - **1** - **65**].
Kuruman, 10 km SW: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Kuruman, 26 km S: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Kuruman, 29 km NW: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Kuruman, 3 mi [= 4.8 km] E: 1 September 1966: Hepplewhite, R.D.: USNM: 4 [4]; Silberstein, A.R.: USNM: 8 [8 - **12** - **12**].
Kuruman, 44 km SSE: Collection Date Unknown: ?: Collector Unknown: MMK: 2 [2 - **2** - **2**].
Kuruman, the Eye: Collection Date Unknown: ?: Collector Unknown: MMK: 1, USNM: 1 [2 - **2**] - 1 September 1966: Hepplewhite, R.D.: USNM: 11 [11]; Silberstein, A.R.: USNM: 19 [19 - **30** - **32**].
Kwalala Police Post: 1 February 1982: Espie, Ian W.: KNP: 2 [2 - **2** - **2**].
KwaMakuta Township: 7 March 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
KwaSheleni: 7 January 1978: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
KwaZulu-Natal province: Collection Date Unknown: ?: Collector Unknown: BMNH: 6, CM: 3, DNSM: 2, MNHN: 1 [12]; Abraham, Sarah: MCZ: 1, YPM: 1 [2]; Obertin: USNM: 1 [1]; Smart, C.: HNHM: 1 [1]; Stopp, K.; Mumford, Russell E.: ROM: 1 [1 - **17**] - 1 January 1871: Schlüter, Wilhelm: SMNS: 1 [1 - **1**] - 14 February 1918: Bell, H.W.; Karley: TM: 1 [1 - **1**] - 24 March 1976: ?: Collector Unknown: SMF: 4 [4 - **4** - **23**].
Kyalami Kennels: Collection Date Unknown: Scott, E.: TM: 1 [1 - **1** - **1**].
l'extérieur de l'Áfrique méridionale: Collection Date Unknown: ?: Collector Unknown: RMNH: 1 [1 - **1** - **1**].
La Lucia: 21 May 1998: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
La Montagne, 280 Rotsvygie Street: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Ladismith: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Lady Grey: 12 July 1984: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Ladybrand: 20 September 1974: ?: Collector Unknown: NMB: 1 [1 - **1**] - 23 September 1974: ?: Collector Unknown: NMB: 1 [1 - **1**] - 9 January 1975: ?: Collector Unknown: NMB: 1 [1 - **1**] - 22 May 1978: ?: Collector Unknown: NMB: 1 [1 - **1**] - 19 January 1984: ?: Collector Unknown: NMB: 4 [4 - **4** - **8**].
Ladybrand Commonage: 25 October 1988: ?: Collector Unknown: NMB: 9 [9 - **9**] - 25 October 1989: ?: Collector Unknown: NMB: 4 [4 - **4** - **13**].
Ladybrand Town: 20 September 1984: ?: Collector Unknown: NMB: 1 [1 - **1**] - 28 October 1985: ?: Collector Unknown: NMB: 1 [1 - **1** - **2**].
Ladyselborne: 15 November 1926: ?: Collector Unknown: TM: 1 [1]; Namete, P.: TM: 3 [3 - **4** - **4**].
Lajuma: 25 July 2010: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Lajuma Bridge: 11 November 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Lajuma Forest Lodge: 14 September 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 October 2011: ?: Collector Unknown: DNSM: 3 [3 - **3** - **4**].
Lajuma Mountain Reserve: 3 July 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 January 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 February 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 February 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 August 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 September 2010: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 23 October 2010: ?: Collector Unknown: DNSM: 6 [6 - **6**] - 21 October 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **15**].
Lajuma Research Center: 30 January 2014: Van Schalkwyk, Oldrich; Gaigher, Ian: DNSM: 1 [1 - **1** - **1**].
Lajuma Wilderness Camp: 15 September 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Lajuma, wetland: 5 November 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Lake Sibaya Reserve Station: 23 January 1976: ?: Collector Unknown: TM: 22 [22 - **22**] - 24 January 1976: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **24**].
Lalapanzi Pan: 18 April 1995: ?: Collector Unknown: DNSM: 2 [2]; Kearney, Teresa Catherine: DNSM: 1 [1 - **3** - **3**].
Lambert's Bay: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Lamberts Bay, 6 km E: 9 January 1976: Robbins, Lynn W.: CM: 8 [8 - **8** - **8**].
Lamberts Bay, 8 km E: 9 January 1976: Robbins, Lynn W.: CM: 1 [1 - **1** - **1**].
Langebaanweg, Chemfos mine: 22 January 1979: Tembo, I.: SAMC: 1 [1 - **1** - **1**].
Langjan Provincial Nature Reserve: 10 August 1989: de Villiers, A.J.: TM: 1 [1 - **1**] - 30 August 1989: de Villiers, A.J.: TM: 3 [3 - **3** - **4**].
Langlaagte: 5 June 1907: Wilson, H.: TM: 1 [1 - **1** - **1**].
Lanner Gorge cave: 26 October 1983: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].
Lapalala Wilderness Area, confluence of Palala-Koedoesloop Rivers, Farm New Belgium 608 [= RR Ranch]: 26 February 1988: Jones, E.M.: TM: 2 [2]; Jones, E.M.; Pallett, J.: TM: 1 [1 - **3** - **3**].
Lapalala Wilderness area, Farm Dubbelwater: 26 February 1988: Jones, E.M.: TM: 1 [1 - **1** - **1**].
Lapalala Wilderness Area, Weltevreden Research Station, roadside on road to: 28 March 1988: Bronner, Gary Neil; Gerrans, R.: TM: 1 [1 - **1** - **1**].
Le Roux Farm: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Lebanon Sappi plantation: 5 April 2004: Barbe C: TM: 1 [1 - **1** - **1**].
Lebombo Ironwood forest: 4 February 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6** - **6**].
Ledzee Estates: 14 April 1972: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Legogot: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2** - **2**].
Lennox Farm: 21 November 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Lesetlheng: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
Lessingshoogte: 20 January 1959: Stebbins, Robert Cyril: MVZ: 2 [2 - **2** - **2**].
Letaba: 2 January 1975: LaVal, Richard K.: KU: 6 [6 - **6**] - 24 January 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - 30 January 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2** - **10**].

Letaba Camp: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 1 March 1966: Young, E.: KNP: 2 [2 - **2**] - 27 March 2004: ?: Collector Unknown: KU: 6 [6 - **6** - **10**].
Letaba Camp, 1 km SE: 25 January 1988: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].
Letaba Highwater Bridge: Collection Date Unknown: : TM: 1 [1 - **1**] - 21 April 1983: Espie, Ian W.: KNP: 3 [3]; Espie, Ian W.; Braack, L.E.O.: KNP: 2 [2 - **5**] - 14 January 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 24 January 1988: Koopman, Karl Friedrich: AMNH: 6 [6]; Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **13**] - 13 November 2011: ?: Collector Unknown: MNHN: 1 [1 - **1** - **21**].
Letaba Ranch: Collection Date Unknown: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 10 September 1931: Haas, F.: SMF: 1 [1 - **1**] - 15 April 1975: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 16 April 1975: Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **9**] - 17 April 1975: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **5**] - 19 April 1975: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **18**].
Letaba Rest Camp: 26 January 1988: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].
Letaba Rest Camp, 1 km SE: 24 January 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 25 January 1988: Koopman, Karl Friedrich: AMNH: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **12** - **13**].
Letaba Rest Camp, 8 km SE: 29 January 1988: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].
Letaba Restcamp: 17 March 1960: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].
Letaba, 5 km E: 27 January 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2** - **2**].
Letaba, 8 km SE: 29 January 1988: Koopman, Karl Friedrich: AMNH: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **4** - **4**].
Letaba-Olifants confluence, 2 km E: 4 February 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 9 February 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **2**].
Letsitele: 10 December 1963: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].
Leuvuhu River: 29 January 1983: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1**] - 1 September 1983: Rautenbach, Ignatius Lourens [=Naas]; Nel; Wolhuter, David A.: TM: 1 [1 - **1**] - 29 September 1983: Wolhuter, David A.; *et al.*: TM: 2 [2 - **2**] - 30 September 1983: Wolhuter, David A.; *et al.*: TM: 12 [12]; Wolhuter, David A.; Cassidy, R.J.; TS; LB: TM: 3 [3 - **15**] - 30 November 1983: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1** - **20**].
Levuvhu: 11 April 2002: Fernsby, Nigel: TM: 1 [1 - **1** - **1**].
Levuvhu bridge: 24 April 1984: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **5**] - 25 April 1984: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: CM: 1 [1 - **4** - **9**].
Levuvhu Hippopool: Collection Date Unknown: ?: Collector Unknown: TM: 26 [26]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 2 [2 - **28**] - 11 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 23 [23]; Schlitter, Duane Albert: CM: 2 [2 - **25**] - 12 September 1979: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 13 [13]; Schlitter, Duane Albert: CM: 1 [1 - **17**] - 13 September 1979: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 1 [1 - **4**] - 14 September 1979: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 14 [14 - **16**] - 15 September 1979: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 6 [6 - **8**] - 29 January 1981: ?: Collector Unknown: TM: 1 [1 - **1**] - 23 January 1982: Espie, Ian W.: KNP: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 1 [1 - **2**] - 26 January 1982: Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 1 [1 - **1**] - 27 January 1982: ?: Collector Unknown: TM: 3 [3]; Nel, Flip: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: KNP: 1, TM: 15 [16]; Rautenbach, Ignatius Lourens [=Naas]; Nel, Flip: TM: 1 [1 - **21**] - 28 January 1982: ?: Collector Unknown: TM: 13 [13]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 10 [10 - **23**] - 29 January 1982: ?: Collector Unknown: TM: 12 [12]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 16 [16 - **28**] - 1 October 1983: Wolhuter, David A.; Cassidy, R.J.: TM: 1 [1 - **1** - **175**].
Levuvhu River: 29 September 1983: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 September 1983: ?: Collector Unknown: TM: 12 [12 - **12**] - 1 October 1983: ?: Collector Unknown: TM: 10 [10 - **10**] - 2 October 1983: ?: Collector Unknown: TM: 6 [6 - **6**] - 28 May 1984: Vinter, H.: TM: 1 [1 - **1**] - 11 April 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **31**].
Levuvhu River, opposite Shilawee stream: 4 May 1986: Stuart, C.T.: TM: 2 [2 - **2** - **2**].
Leydsdorp: 11 February 1917: ?: Collector Unknown: TM: 1 [1 - **1**] - 8 February 1927: ?: Collector Unknown: TM: 1 [1]; Van Dam, G.P.: TM: 1 [1 - **2**] - 11 February 1927: ?: Collector Unknown: TM: 1 [1 - **1** - **4**].
Leydsdorp, unspecified location: 11 February 1921: Van Dam, G.P.: TM: 1 [1 - **1**] - 11 February 1927: Van Dam, G.P.: TM: 2 [2 - **2** - **3**].
Lignite cave: 18 September 1938: Engel, H.C.: ZMA: 2 [2 - **2** - **2**].
Limpopo province: Collection Date Unknown: ?: Collector Unknown: TM: 7 [7 - **7** - **7**].
Limpopo-Levuvhu river confluence: 22 April 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].
Limpopo-Levuvhu Rivers confluence: 22 April 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].
Lindley: 10 December 1986: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Lions River: 21 January 1987: Bourquin, O.: TM: 1 [1 - **1** - **1**].
Lister Point: 25 December 1984: Porter, I.M.: TM: 1 [1 - **1** - **1**].
Lister Point Camp: 25 July 1992: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 26 July 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 July 1992: ?: Collector Unknown: DNSM: 5 [5 - **5** - **9**].
Little Mowbray: 1 July 1999: ?: Collector Unknown: KU: 1 [1 - **1** - **1**].
Lobatsi [intermittent stream]: Collection Date Unknown: Schultze: ZMB: 1 [1 - **1** - **1**].
Logogotu [=Legogot]: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3 - **3** - **3**].
Lombardy Willows: 19 December 1958: Crack, I.J.: TM: 2 [2 - **2** - **2**].
Longstead Farm: 20 December 1996: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Longtoon dam: 18 September 1979: Schlitter, Duane Albert: CM: 2 [2 - **2** - **2**].
Lormarins: 16 September 1917: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin; Adendorff: TM: 1 [1 - **2** - **2**].
Loskop Dam Nature Reserve: 5 April 1973: ?: Collector Unknown: TM: 1 [1 - **1**] - 6 April 1973: ?: Collector Unknown: TM: 2 [2 - **2**] - 15 October 1974: ?: Collector Unknown: TM: 1 [1]; Nel, Flip: TM: 1 [1 - **2**] - 16 February 1989: ?: Collector Unknown: TM: 1 [1 - **1** - **6**].
Loskop windmill: 6 February 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Loskop Windmill, 17 km N: 6 February 1988: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Loskopdam Nature Reserve: Collection Date Unknown: Cohen, Lientjie: TM: 1 [1 - **1**] - 4 April 1973: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2**] - 5 April 1973: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 6 April 1973: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 7 April 1973: Dippenaar,

Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Underwood: TM: 1 [1 - **1**] - 9 April 1973: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 15 October 1974: Nel, Flip: TM: 3 [3 - **3** - **12**].

Loster: 3 May 1922: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Lotheni Nature Reserve: 27 January 1992: ?: Collector Unknown: DNSM: 5 [5 - **5**] - 29 January 1992: ?: Collector Unknown: DNSM: 9 [9 - **9** - **14**].

Louis Trichardt: 17 April 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 February 2012: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 April 2012: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 January 2013: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Louisvale: Collection Date Unknown: Hobson, L.; Shortridge, Guy Chester (Captain): BMNH: 1 [1]; Shortridge, Guy Chester: BMNH: 1, KM: 1 [2 - **3**] - 6 July 1924: Shortridge, Guy Chester: BMNH: 2 [2 - **2** - **5**].

Louisvale, Orange R. 1 mi N: 28 August 1966: Silberstein, A.R.: USNM: 1 [1 - **1** - **1**].

Louisvale, Orange R. 2 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Louw's [=Lowes] Creek: 28 March 1920: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Louw's [=Lowes] Creek, Imperial mine: 28 March 1920: Roberts: TM: 1 [1]; Roberts, Austin: TM: 5 [5 - **6** - **6**].

Louws Creek: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Louw's Creek: 7 April 1907: ?: Collector Unknown: TM: 1 [1 - **1**] - 14 March 1920: Roberts, Austin: TM: 1 [1 - **1**] - 26 March 1920: ?: Collector Unknown: TM: 1 [1 - **1**] - 28 March 1920: ?: Collector Unknown: TM: 12 [12 - **12**] - 29 March 1920: ?: Collector Unknown: TM: 2 [2 - **2** - **17**].

Louw's Creek, Imperial Mine: 28 March 1920: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Lower Sabi Camp: 20 August 1931: : SMF: 1 [1 - **1**] - 21 August 1931: : SMF: 1 [1 - **1** - **2**].

Lower Sabie Rest Camp, 15 km SE: 13 February 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Luchoff: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Luckhoff: 4 October 1979: ?: Collector Unknown: NMB: 2 [2 - **2**] - 26 January 1992: ?: Collector Unknown: NMB: 2 [2 - **2** - **4**].

Luipershoek: 5 December 1989: Neser, Walter: TM: 1 [1 - **1** - **1**].

Lusikisiki: Collection Date Unknown: : KM: 4 [4 - **4** - **4**].

Lydenberg Vissery [=Fisheries]: 7 February 1996: Linstrom, A.: TM: 1 [1 - **1** - **1**].

Lydenburg: Collection Date Unknown: Bachmann: ZMB: 3 [3]; Wilms, Friedrich: ZMB: 7 [7 - **10**] - 25 March 1900: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 October 1918: Naude, P.: TM: 1 [1 - **1**] - 15 January 2001: Cohen, Lientjie: TM: 1 [1 - **1** - **13**].

Lydenburg Fisheries: 2 August 1999: Cohen, Lientjie: TM: 1 [1 - **1**] - 16 March 2001: Cohen, Lientjie: TM: 1 [1 - **1**] - 8 October 2005: Cohen, Lientjie: TM: 1 [1 - **1** - **3**].

Lydenburg Krantz: Collection Date Unknown: ?: Collector Unknown: TM: 7 [7 - **7**] - 25 March 1898: ?: Collector Unknown: TM: 1 [1 - **1** - **8**].

Lydenburg, 80 km ENE: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Lynnwood Glen, Delaware Street: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Lynwood: 17 February 1990: Burton, M.: TM: 1 [1 - **1** - **1**].

Lywood: 30 April 1967: Markus, M.B.: ROM: 2 [2 - **2** - **2**].

Machindzweni: 22 October 1958: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1** - **1**].

Maclear: 15 January 1987: ?: Collector Unknown: NMB: 2 [2 - **2**] - 18 February 1987: ?: Collector Unknown: NMB: 6 [6 - **6**] - 19 February 1987: ?: Collector Unknown: NMB: 1 [1 - **1**] - 25 March 1987: ?: Collector Unknown: NMB: 2 [2 - **2**] - 26 March 1987: ?: Collector Unknown: NMB: 6 [6 - **6**] - 26 April 1987: ?: Collector Unknown: NMB: 1 [1 - **1** - **18**].

Madikwe Game Reserve: 12 February 2007: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Madikwe GR: Collection Date Unknown: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].

Madimbo Military area: Collection Date Unknown: Ellis, S.: TM: 9 [9 - **9**] - 9 February 1978: Ellis, S.: TM: 1 [1 - **1** - **10**].

Maditobe [= Witsand] Dam: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 January 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 21 January 1988: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **17** - **19**].

Maditobe Pan [=Maditobepan]: 9 May 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].

Maditobe Witsand Dam: 4 June 1985: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1**] - 28 August 1985: ?: Collector Unknown: TM: 3 [3 - **3**] - 21 January 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **8**].

Maditobepan: 8 May 1986: Rautenbach, Ignatius Lourens [=Naas]: CM: 11 [11 - **11** - **11**].

Madlangula: 10 May 1981: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Mafikeng, 5 km outside: 2 August 2002: SANTI: TM: 1 [1 - **1** - **1**].

Magamba windmill: 29 July 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].

Magoeskloof: 18 May 1998: Fernsby, Nigel: TM: 1 [1 - **1** - **1**].

Mahagala: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].

Mahembane: 20 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 2 [2 - **2**] - 30 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 1 [1 - **1** - **3**].

Mahlangeni: 13 June 1959: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 1 [1 - **1**] - 20 February 1983: Botha, K.: KNP: 1 [1 - **1** - **2**].

Mahogany Drive: 13 January 1979: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1 [1 - **1**] - 13 May 1979: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1, TM: 4 [5 - **5**] - 14 May 1979: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1, TM: 1 [2 - **2** - **8**].

Maitland mine: 21 August 1947: Larson, Thomas ("Tom"): MVZ: 22 [22 - **22**] - 31 August 1947: Larson, Thomas ("Tom"): MVZ: 5 [5 - **5** - **27**].

Makalali: 12 December 1971: Ginn, P.J.G.: TM: 1 [1 - **1**] - 8 December 1977: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Makalali Farm: 12 December 1977: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Makapansgat, Historic Cave: 12 July 1958: Holloway, Geoffrey: TM: 1 [1 - **1** - **1**].

Makatini Flats: 30 November 1961: Baddeley, M. St. C.: ROM: 1 [1 - **1** - **1**].

Makatini Flats, 20 mi [=32 km] E: 24 April 1964: Hughes, G.: USNM: 1 [1 - **1**] - 25 April 1964: Risser, A.C.: USNM: 1 [1 - **1**] - 26 April 1964: Dixon, J.: USNM: 1 [1]; Risser, A.C.: USNM: 2 [2 - **3** - **5**].

Makatini Research Village Pongola River: 29 January 2000: Fernsby, Nigel: DNSM: 1 [1 - **1** - **1**].

Makupana cave: 27 April 1961: Meester, Jurgens Anthonie Janse [=Waldo]; Stegman, D.: TM: 2 [2 - **2** - **2**].

Malalane area: 8 July 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Malelane: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3 - **3**] - 20 March 1920: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 March 1920: ?: Collector Unknown: TM: 12 [12 - **12**] - 30 November 1920: ?: Collector Unknown: TM: 1 [1 - **1**] - 7 July 1979: ?: Collector Unknown: TM: 10 [10 - **10**] - 8 July 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] -

9 July 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 10 July 1979: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 February 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2** - **32**].

Malelane Estate: 30 March 1920: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Malelane Old Mine Shaft: 26 October 2004: Cohen, Lientjie: TM: 4 [4 - **4** - **4**].

Malelane Rangers Quarters: 22 March 1962: Espag, A.: KNP: 2 [2 - **2** - **2**].

Malelane, 11 km ENE: 15 February 1988: Koopman, Karl Friedrich: AMNH: 16 [16 - **16** - **16**].

Malelane, 12 km SW: Collection Date Unknown: ?: Collector Unknown: USNM: 3 [3 - **3** - **3**].

Malelane, 3 km NNE: 15 February 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2** - **2**].

Malelane, 7 mi [= 11 km] SW: 27 November 1966: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1 - **1**] - 30 November 1966: Rautenbach, Ignatius Lourens [=Naas]: USNM: 5 [5]; Silberstein, A.R.: USNM: 6 [6 - **11**] - 2 December 1966: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1 - **1** - **13**].

Malensons Shingwidzi Game Reserve: 1 June 1915: Streeter, F.: TM: 1 [1 - **1** - **1**].

Malibali hide: 13 August 2007: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].

Malibali pan: 21 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 15 [15 - **15**] - 25 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **19**].

Malitube Dam: 4 March 1990: Rautenbach, Ignatius Lourens [=Naas]: KNP: 2 [2 - **2**] - 9 April 1990: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1 [1 - **1** - **3**].

Malvern: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5]; Jameson, Henry Paul William Lyster: TM: 5 [5 - **10**] - 1 January 1908: Jameson, Henry Paul William Lyster: USNM: 2 [2 - **2**] - 5 January 1908: ?: Collector Unknown: TM: 1 [1 - **1**] - 10 January 1908: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 11 January 1908: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 12 January 1908: ?: Collector Unknown: TM: 1 [1 - **1**] - 5 December 1908: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 December 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 June 2010: ?: Collector Unknown: DNSM: 3 [3 - **3** - **21**].

Manaba: 30 November 1929: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Manditobe Dam: 31 August 1984: ?: Collector Unknown: TM: 6 [6]; Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **10** - **10**].

Mangadyane Koppies: 14 March 1979: Schrieber, A.: KNP: 1 [1 - **1** - **1**].

Manguzi village: 4 May 1964: Heist, T.A.: USNM: 1 [1 - **1** - **1**].

Manor Gardens: 8 April 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 May 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 February 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 December 2005: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Mansia Valley: 28 March 1968: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Mansiya: 7 May 2005: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Mansiya Valley: 23 March 1968: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 31 May 1968: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 May 2005: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Mantuma Camp: 18 June 1991: Goodman, P.S.: DNSM: 1 [1 - **1**] - 20 February 1993: Rushworth, I.: DNSM: 1 [1 - **1**] - 11 May 1993: Rushworth, I.: DNSM: 1 [1 - **1**] - 12 August 2003: Taylor, Peter John; White, Wendy: DNSM: 1 [1 - **1**] - 27 July 2007: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 9 July 2008: ?: Collector Unknown: DNSM: 4 [4 - **4**] - 16 July 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 July 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 July 2008: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 28 July 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 30 July 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 31 July 2008: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 6 December 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 December 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 December 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **22**].

Manxeba windmill: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 13 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 26 June 1984: ?: Collector Unknown: TM: 8 [8]; Wolhuter, David A.; Coetzer, D.J.: TM: 3 [3 - **11**] - 27 June 1984: ?: Collector Unknown: TM: 6 [6 - **6**] - 29 June 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 28 July 1984: ?: Collector Unknown: TM: 14 [14 - **14**] - 30 July 1984: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **6**] - 30 August 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 26 September 1984: ?: Collector Unknown: TM: 7 [7 - **7**] - 28 October 1984: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1**] - 31 October 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 November 1984: ?: Collector Unknown: TM: 2 [2 - **2**] - 26 November 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 28 November 1984: ?: Collector Unknown: TM: 13 [13]; Wolhuter, David A.; *et al.*: TM: 8 [8 - **21**] - 29 November 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 7 February 1985: ?: Collector Unknown: TM: 2 [2 - **2**] - 14 April 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 15 April 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 5 June 1985: ?: Collector Unknown: TM: 8 [8 - **8**] - 29 August 1985: ?: Collector Unknown: TM: 1 [1]; Wolhuter, David A.: TM: 2 [2]; Wolhuter, David A.; *et al.*: TM: 4 [4 - **7**] - 24 October 1990: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **95**].

Manzengwenya Forest Station: Collection Date Unknown: ?: Collector Unknown: TM: 4 [4 - **4**] - 1 June 1975: ?: Collector Unknown: TM: 2 [2 - **2** - **6**].

Mapelane: 1 January 1994: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Maputa: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2**] - 4 May 1964: Dixon, J.: USNM: 4 [4]; Hughes, G.: USNM: 3 [3]; Risser, A.C.: USNM: 4 [4 - **11**] - 5 May 1964: Dixon, J.: USNM: 10 [10]; Risser, A.C.: USNM: 13 [13 - **23**] - 7 May 1964: Risser, A.C.: USNM: 1 [1 - **1** - **37**].

Margate, near: Collection Date Unknown: ?: Collector Unknown: HZM: 2 [2 - **2** - **2**].

Maria van Riebeeck Nature Reserve: 6 February 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4** - **4**].

Marie se Gat: Collection Date Unknown: ?: Collector Unknown: TM: 18 [18]; : TM: 1 [1 - **19**] - 5 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 6 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **16**] - 7 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 15 [15 - **15** - **52**].

Mariepskop: Collection Date Unknown: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - 10 March 1959: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 12 [12 - **12**] - 17 December 1966: Rautenbach, Ignatius Lourens [=Naas]: USNM: 2 [2]; Silberstein, A.R.: USNM: 1 [1 - **3**] - 18 December 1966: Rautenbach, Ignatius Lourens [=Naas]: USNM: 12 [12]; Silberstein, A.R.: USNM: 11 [11 - **23** - **39**].

Mariepskop Research Station: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].

Marine Parade: 3 June 1997: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Maritzburg: 1 November 1950: Friedmann, Herbert: USNM: 1 [1 - **1** - **1**].

Marloth Park: 1 January 2007: Goodman, Steven M.: FMNH: 4 [4 - **4**] - 2 January 2007: Goodman, Steven M.: FMNH: 10 [10 - **10**] - 3 January 2007: Goodman, Steven M.: FMNH: 18 [18 - **18**] - 4 January 2007: Goodman, Steven M.: FMNH: 3 [3 - **3** - **35**].

Marone: 1 March 1952: Zumpt, Frits Konrad Ernst: BMNH: 1 [1 - **1** - **1**].

Marop: 6 October 1977: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1** - **1**].
Marquard: 14 October 1926: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Marshall Grove: 7 April 1997: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Marydale, 31 km NE: Collection Date Unknown: ?: Collector Unknown: MMK: 3 [3 - **3** - **3**].
Mashikiri windmill: 28 January 1984: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]; Nel; van der Merwe, Mac.: TM: 4 [4 - **8**] - 4 March 1984: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **6**] - 23 April 1984: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **4** - **18**].
Masimba Camp: 10 November 1967: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Masinda Camp: 12 June 1967: Mumford, Russell E.: ROM: 3 [3 - **3**] - 13 June 1967: Mumford, Russell E.: ROM: 2 [2 - **2**] - 1 April 1986: Astrup, M.: TM: 1 [1 - **1** - **6**].
Mata Mata camp: Collection Date Unknown: ?: Collector Unknown: MMK: 2 [2 - **2**] - 1 February 2005: Van der Straeten, Erik: RMCA: 1 [1 - **1** - **3**].
Matafalu River: 11 April 1980: Hovel, H.: HNHM: 1 [1 - **1** - **1**].
Mathae Ranch: 10 May 1948: Larson, Thomas ("Tom"): MVZ: 8 [8 - **8** - **8**].
Matjies Vlei: 11 January 1995: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Matlapitsi Caves: 12 February 1975: ?: Collector Unknown: TM: 12 [12 - **12**] - 4 August 1979: Fratcher, B.: ZMA: 10 [10 - **10** - **22**].
Matlepits Valley: 29 March 1960: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Matshitshindzudzi: 25 April 1961: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].
Matubatuba: Collection Date Unknown: Visser, John: TM: 1 [1 - **1** - **1**].
Matukwala Dam: 15 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 16 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **4**].
Matukwaladam: 15 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Matukwale Dam: 15 May 1979: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1 [1 - **1** - **1**].
Matupa Cave: 27 April 1961: Meester, Jurgens Anthonie Janse [=Waldo]; Steyman, D.: TM: 1 [1 - **1** - **1**].
Matupa Koppie: 30 May 1906: Pienaar, Uys de Villiers: KNP: 1 [1 - **1**] - 30 May 1960: Pienaar, Uys de Villiers: KNP: 3 [3 - **3** - **4**].
Mayo: 26 September 2009: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Mayville: 5 May 1916: Noome, F.O.: TM: 1 [1 - **1**] - 21 April 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 September 1997: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Mazelfontein: 8 February 1941: Sopper, H.: TM: 1 [1 - **1** - **1**].
Mazelsfontein: Collection Date Unknown: Herselman, J.C.; Norton, Peter M.: KM: 1 [1 - **1** - **1**].
Mbangari Crevice: 5 June 1960: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].
Melmoth: Collection Date Unknown: Taylor, Peter John; *et al.*: DNSM: 1 [1 - **1**] - 7 June 1995: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 14 May 2005: Taylor, Peter John; *et al.*: DNSM: 3 [3 - **3**] - 15 May 2005: ?: Collector Unknown: DNSM: 6 [6 - **6** - **11**].
Merebank: 12 August 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Merrivale: Collection Date Unknown: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 17 September 1995: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Messina Nature Reserve: 21 November 1996: ?: Collector Unknown: DNSM: 1 [1]; Kearney, Teresa Catherine: DNSM: 5 [5 - **6**] - 22 November 1996: Kearney, Teresa Catherine: DNSM: 9 [9 - **9**] - 24 November 1996: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **17**].
Messina Nature Reserve, banks of the Sand River: 14 March 1993: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 March 1993: ?: Collector Unknown: TM: 1 [1]; West, Sean D.: TM: 2 [2 - **3**] - 16 March 1993: West, Sean D.: TM: 1 [1 - **1** - **5**].
Messina Nature Reserve, in holow Baobab: 17 March 1993: West, Sean D.: TM: 1 [1 - **1** - **1**].
Mfongosi: Collection Date Unknown: ?: Collector Unknown: SAMC: 3 [3 - **3** - **3**].
Mhlabatini: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Mhlopeni Ranch: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Middelburg: Collection Date Unknown: Gow, C.: SAMC: 1 [1 - **1** - **1**].
Middle Garage: 22 November 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Middletown: 29 June 1900: ?: Collector Unknown: USNM: 3 [3 - **3** - **3**].
Mid-Illovo: 22 September 1974: Smith, Steven A.: TM: 1 [1 - **1** - **1**].
Midmar Training Centre: 1 July 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
midtown: 7 April 1970: Potgieter: TM: 1 [1 - **1** - **1**].
Miggiesgat cave: 16 December 2002: Schoeman, M. Corrie; *et al.*: TM: 1 [1 - **1**] - 19 December 2002: Schoeman, M. Corrie; *et al.*: TM: 1 [1 - **1** - **2**].
Millwood goldmine: 17 September 1938: Van Oordt, Gregorius Johannes: ZMA: 1 [1 - **1** - **1**].
Mimbo, on Limpopo: 21 September 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Minaars cave: 14 May 2005: Peinke, Dean M.: TM: 1 [1 - **1** - **1**].
Mine at Nababeep: 21 July 1949: Larson, Thomas ("Tom"): AMNH: 26 [26 - **26** - **26**].
Mission Rock: 29 September 1982: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Mission Rocks: Collection Date Unknown: LaVal, Richard K.: KU: 1 [1 - **1**] - 18 April 1991: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 26 April 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 September 1999: ?: Collector Unknown: DNSM: 9 [9 - **9**] - 12 January 2000: ?: Collector Unknown: DNSM: 1 [1 - **1** - **15**].
Mission Rocks Bat Cave: 18 December 1974: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 January 1975: LaVal, Richard K.: KU: 1 [1 - **1**] - 19 January 1975: LaVal, Richard K.: KU: 1 [1 - **1**] - 16 May 1977: ?: Collector Unknown: TM: 4 [4 - **4**] - 27 September 1982: ?: Collector Unknown: TM: 14 [14 - **14**] - 19 April 1995: Taylor, Peter John; Kearney, Teresa Catherine; Mari: DNSM: 7 [7 - **7**] - 26 April 1998: ?: Collector Unknown: DNSM: 4 [4 - **4** - **32**].
Mission Rocks Outpost: 7 December 1980: ?: Collector Unknown: TM: 1 [1 - **1**] - 12 December 1980: ?: Collector Unknown: TM: 1 [1 - **1**] - 14 December 1980: ?: Collector Unknown: TM: 2 [2 - **2** - **4**].
Mitchells Pass: 7 October 1940: Roberts, Austin: TM: 1 [1 - **1**] - 7 November 1940: Roberts, Austin: TM: 1 [1 - **1**] - 1 September 1979: Herselman, J.C.: KM: 1 [1 - **1** - **3**].
Mkaya Camp: 3 April 2001: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].
Mkuze: 19 August 2007: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
Mkuze River: 21 August 2003: White, Wendy: DNSM: 1 [1 - **1** - **1**].

Mkuzi Game Reserve: 20 January 1961: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 7 September 1961: Baddeley, M. St. C.: ROM: 2 [2 - **2**] - 4 February 1962: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 6 March 1962: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 15 March 1962: Baddeley, M. St. C.: ROM: 2 [2 - **2**] - 8 August 1962: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 13 December 1962: Baddeley, M. St. C.: ROM: 2 [2 - **2**] - 28 November 1963: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 22 April 1964: Heist, T.A.: USNM: 1 [1]; Henry, T.: USNM: 25 [25 - **26**] - 24 August 1976: Visser, John: FMNH: 1 [1 - **1**] - 24 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 15 December 1983: Tomkinson, T.: TM: 1 [1 - **1**] - 2 March 1992: Goodman, P.S.: DNSM: 1 [1 - **1**] - 25 July 1995: Goodman, K.P.: DNSM: 1 [1 - **1**] - 13 August 1995: Kearney, Teresa Catherine: DNSM: 4 [4 - **4**] - 12 August 2003: White, Wendy: DNSM: 1 [1 - **1**] - 21 August 2003: White, Wendy: DNSM: 1 [1 - **1** - **48**].

Mkuzi River: 3 November 1928: Roberts, Austin: TM: 4 [4 - **4**] - 9 October 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 23 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **16**] - 25 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **22**].

Mmabolela Estates: 9 March 1973: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Mmabolela Estates [=Mmqbolela Estates]: 9 February 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 8 March 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **2**].

Mnangadyana Koppie, cave: 3 February 1988: Bronner, Gary Neil: TM: 4 [4 - **4** - **4**].

Modderfontein: 26 April 1909: ?: Collector Unknown: TM: 1 [1 - **1**] - 8 December 1963: Cole, Ronald E.: USNM: 1 [1 - **1** - **2**].

Modderfontein, 3 km N: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Modderfontein, Farm: 17 May 1962: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 December 1963: Cole, Ronald E.: USNM: 1 [1 - **1**] - 8 December 1963: Cole, Ronald E.: USNM: 1 [1]; Risser, A.C.: USNM: 1 [1 - **2**] - 10 December 1963: Cole, Ronald E.: USNM: 2 [2]; Risser, A.C.: USNM: 4 [4 - **6**] - 11 December 1963: Cole, Ronald E.: USNM: 2 [2]; Risser, A.C.: USNM: 2 [2 - **4**] - 12 December 1963: Risser, A.C.: USNM: 1 [1 - **1** - **15**].

Modimolle, 3 km NW: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Mogale City [=Krugersdorp]: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2**] - 6 January 1933: van Son, G.: TM: 1 [1 - **1**] - 7 January 1933: van Son, G.: TM: 2 [2 - **2**] - 30 January 1933: van Son, G.: TM: 1 [1 - **1** - **6**].

Mokeetsi: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 21 June 1939: Mare, D.: TM: 1 [1 - **1** - **2**].

Moketsi: 28 March 1922: Streeter, F.: TM: 1 [1 - **1** - **1**].

Molopo Nature Reserve: 11 March 1996: Newbery, C.: TM: 1 [1 - **1**] - 24 September 1996: Newbery, C.: TM: 1 [1 - **1** - **2**].

Molopo Nature Reserve, swimming tank: Collection Date Unknown: ?: Collector Unknown: MMK: 2 [2 - **2** - **2**].

Molteno: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Montagu: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].

Montague caves: Collection Date Unknown: Dawson, F.: MCZ: 1 [1]; Phillips, E.I.: MCZ: 1 [1 - **2** - **2**].

Montclair: 1 May 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 31 July 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 July 2005: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Montrose: 12 June 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 February 1997: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Monument Park: 25 August 1972: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Monument Park, Monument Park caves: 3 August 1972: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **5**].

Mooi River district: Collection Date Unknown: ?: Collector Unknown: NM: 3 [3 - **3** - **3**].

Mooiplaas, SAPPI: 7 June 1995: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 7 [7 - **7**] - 13 March 1996: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 15 [15 - **15** - **22**].

Mooiplass Plantation: 7 June 1995: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Mooivlei: 2 August 1916: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 August 1916: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Mooketsi: 12 March 2001: Fernsby, Nigel: TM: 2 [2 - **2** - **2**].

Moorfield Mountain Farm Nature Reserve: 31 January 1996: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Mopani: 12 November 2011: ?: Collector Unknown: MNHN: 6 [6 - **6**] - 13 November 2011: ?: Collector Unknown: MNHN: 9 [9 - **9** - **15**].

Morningside: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 1991: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 March 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 March 1994: ?: Collector Unknown: DNSM: 7 [7 - **7**] - 12 October 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 March 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 January 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 February 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 July 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 April 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 2 August 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 May 2004: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 April 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 December 2013: ?: Collector Unknown: DNSM: 1 [1 - **1** - **20**].

Mosdene Nature Reserve: 30 May 1967: Galpin, R.: ROM: 1 [1 - **1**] - 13 April 1973: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Mosdene Private Nature Reserve: Collection Date Unknown: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Mosely: 1 April 1913: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 August 1913: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Motale River: 30 June 1935: Noome White Expedition, The: TM: 1 [1 - **1**] - 4 July 1935: Noome White Expedition, The: TM: 1 [1 - **1** - **2**].

Mount Ayliff: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Mount Currie Nature Reserve: 21 November 1984: Crowson, T.: TM: 1 [1 - **1**] - 1 January 1985: Crowson, J.: TM: 1 [1 - **1**] - 7 February 2000: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Mount Edgecomb: 13 May 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Mount Edgecombe: 1 October 1965: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 30 September 2000: Taylor, Peter John: HNHM: 2 [2 - **2** - **3**].

Mount Moreland: 6 December 1991: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 February 1996: Vickers, H.: DNSM: 1 [1 - **1**] - 12 May 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 November 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 November 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].

Mount Pierre se Kloof: 28 November 1990: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].

Mountain Lakes Adventure Campsite: 30 August 1996: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 4 [4 - **4** - **4**].

Mountain View: 4 August 1995: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Mountainland Nature Reserve: 28 September 2004: ?: Collector Unknown: DNSM: 1 [1]; Cohen, Lientjie: DNSM: 1 [1 - **2**] - 27 September 2009: ?: Collector Unknown: DNSM: 3 [3 - **3** - **5**].

Mpalane Lodge: 29 November 1997: Taylor, Peter John; Jacobs, David S.; *et al.*: DNSM: 5 [5 - **5** - **5**].

Mphahlele River: 24 October 1990: Copley, R.B.: TM: 1 [1 - **1** - **1**].

Mpila Trails Store: 16 June 1987: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Mpofu Pan: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mpumalanga province: 1 January 1994: ?: Collector Unknown: SMF: 4 [4 - **4**] - 6 January 2004: Cohen, Lientjie: TM: 1 [1 - **1**] - 25 October 2004: Cohen, Lientjie: TM: 3 [3 - **3**] - 27 October 2004: Cohen, Lientjie: TM: 1 [1 - **1**] - 17 May 2005: Cohen, Lientjie: TM: 1 [1 - **1** - **10**].
Mqanduli: Collection Date Unknown: : KM: 1 [1 - **1**] - 4 March 1925: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Mshopi camping site: 2 December 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 December 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 December 2008: ?: Collector Unknown: DNSM: 3 [3 - **3** - **5**].
Msikaba river mouth: Collection Date Unknown: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Msinga Hide: 12 August 1995: Taylor, Peter John; *et al.*: DNSM: 2 [2 - **2**] - 13 August 1995: Taylor, Peter John; *et al.*: DNSM: 4 [4 - **4** - **6**].
Msinga Pan: Collection Date Unknown: ?: Collector Unknown: NM: 1, USNM: 1 [2 - **2**] - 24 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **9**] - 21 February 1985: Davies, R.; Walker, P.: TM: 1 [1 - **1** - **12**].
Msinsi Nature Reserve: 4 August 2000: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Msinyini pan: 19 July 1933: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Mtambanana: 8 June 1922: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Mtongori: 7 August 1914: Jones, W.E.: MCZ: 2 [2 - **2** - **2**].
Mtubatua, 18 mi [= 29 km] N: 11 June 1967: Mumford, Russell E.: ROM: 6 [6 - **6** - **6**].
Mtunzini: 29 December 1961: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 October 1963: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 1 December 1963: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 December 1963: ?: Collector Unknown: DNSM: 5 [5 - **5**] - 1 March 1964: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 1 May 1965: ?: Collector Unknown: DNSM: 1 [1 - **1** - **13**].
Muggiesgat Cave: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 September 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Muldersdrift, near: 20 February 2003: West, Sean D.: TM: 1 [1 - **1** - **1**].
Municipal Bird Sanctuary: 3 August 1993: Bronner, Gary Neil: TM: 1 [1]; Bronner, Gary Neil; *et al.*: TM: 13 [13 - **14**] - 4 August 1993: Bronner, Gary Neil; *et al.*: TM: 1 [1 - **1**] - 6 August 1993: Bronner, Gary Neil: TM: 5 [5 - **5** - **20**].
Munthouse, Visagie Street: 23 October 1978: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Munywini Cave: 22 October 1959: Pienaar, Uys de Villiers; Brynard, A.M.; Kloppers, J.J.: KNP: 3 [3 - **3** - **3**].
Murraysburg, E: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Murraysburg, NW of: Collection Date Unknown: ?: Collector Unknown: KM: 16 [16 - **16** - **16**].
Murraysburg, SW: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Musgrave: 30 March 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 April 2012: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 2 May 2013: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 December 2013: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
Musina [=Messina], 4 km E: 30 June 1981: Visser, John: TM: 1 [1 - **1** - **1**].
Mutale River: 26 June 1935: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 June 1935: ?: Collector Unknown: TM: 2 [2 - **2** - **3**].
Mziki Pan: 17 February 2007: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].
N2 crosses Umhlanga River: 18 December 1986: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Nababeep mine: 21 July 1949: Larson, Thomas ("Tom"): MVZ: 12 [12 - **12** - **12**].
Nagle Dam: 28 December 1994: ?: Collector Unknown: DNSM: 5 [5 - **5**] - 1 January 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 October 2002: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 12 May 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **10**].
Nagle Dam fish hatchery: 12 May 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Nagle Dam Lodge: 30 October 2004: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 May 2007: ?: Collector Unknown: DNSM: 5 [5 - **5** - **6**].
Nahoon Point, 5 km S, 7.5 km W: Collection Date Unknown: Hart, A.H.: TTU: 1 [1 - **1**] - 4 October 1978: Hart, A.: MSB: 1 [1]; Wingate, Lloyd R.: MSB: 1 [1 - **2** - **3**].
Namaba: 8 December 1929: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Namaqualand: Collection Date Unknown: : KM: 5 [5 - **5** - **5**].
Natal: 1 January 1933: Coghill, D.: AMNH: 1 [1 - **1** - **1**].
Natal Midlands: 14 April 1996: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].
Natures Valley Village: 18 November 1988: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: TM: 1 [1]; Schlitter, Duane Albert: CM: 3 [3 - **7** - **7**].
Navors Suburb, Residence: 1 October 1972: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Ndumo Game Reserve: 4 September 1959: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 19 January 1961: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 21 June 1963: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 28 July 1963: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 31 December 1963: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 1 January 1964: Baddeley, M. St. C.: ROM: 3 [3 - **3**] - 4 January 1964: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 5 January 1964: Baddeley, M. St. C.: ROM: 2 [2 - **2**] - 13 January 1964: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 24 January 1964: Baddeley, M. St. C.: ROM: 3 [3 - **3**] - 25 January 1964: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 14 May 1964: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 4 April 2012: ?: Collector Unknown: DNSM: 16 [16 - **16** - **33**].
Ndumo Police Post: 30 June 1959: Dixon, J.; Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 2 October 1959: Dixon, J.; Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 20 October 1959: Dixon, J.; Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 30 March 1964: Dixon, J.; Baddeley, M. St. C.: ROM: 2 [2 - **2** - **5**].
Ndumu Game Reserve: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **6**] - 15 April 1970: ?: Collector Unknown: TM: 3 [3]; Gutteling: TM: 2 [2 - **5**] - 15 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 16 September 1982: ?: Collector Unknown: TM: 16 [16]; Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **20**] - 18 September 1982: ?: Collector Unknown: TM: 10 [10 - **10**] - 19 September 1982: ?: Collector Unknown: TM: 8 [8]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **10**] - 20 September 1982: ?: Collector Unknown: TM: 7 [7 - **7** - **59**].
Ndumu Police Station: 9 April 1954: ?: Collector Unknown: NM: 1 [1 - **1** - **1**].
Ndumu store: 22 September 1933: ?: Collector Unknown: TM: 16 [16 - **16** - **16**].
near Stutterheim: Collection Date Unknown: ?: Collector Unknown: KM: 1 [1 - **1** - **1**].
Neiman's Farm: 28 August 1963: Risser, A.C.: USNM: 1 [1 - **1** - **1**].
Nelspruit: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3]; Breyer, H.G.: TM: 1 [1 - **4**] - 27 May 1920: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 January 1949: Zumpt, Frits Konrad Ernst: SMNS: 1 [1 - **1**] - 1 January 1953: Zumpt, Frits Konrad Ernst: SMNS: 1 [1 - **1**] - 25 April 1953: Zumpt, Frits Konrad Ernst: SMNS: 1 [1 - **1**] - 9 April 1962: ?: Collector Unknown: TM: 1 [1]; Du Preez, J.: TM: 1 [1 - **2**] - 4 November 1987: van Rhyn, J.: TM: 1 [1 - **1** - **11**].

Nelspruit, 4 mi E, 2 mi S: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 26 September 1966: Hepplewhite, R.D.: USNM: 18 [18]; Setzer, Henry W.: USNM: 11 [11 - **29** - **30**].
Nelspruit, 7 km E: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Nelspruit, near: Collection Date Unknown: Douglas, R.: TM: 1 [1 - **1** - **1**].
New Agatha Forest Reserve: 30 March 1973: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1**] - 2 March 1974: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 1 [1 - **1**] - 31 March 1974: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 2 [2 - **2**] - 2 April 1974: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 4 [4 - **4** - **8**].
New Castle: 11 February 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
New Figtree Forest: Collection Date Unknown: ?: Collector Unknown: TM: 4 [4 - **4**] - 28 July 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 5 February 1985: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **3**] - 11 April 1985: ?: Collector Unknown: TM: 7 [7]; Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **13**] - 2 May 1985: ?: Collector Unknown: TM: 1 [1 - **1**] - 24 July 1986: Rautenbach, Ignatius Lourens [=Naas]: LACM: 1 [1 - **1**] - 20 October 1986: ?: Collector Unknown: TM: 1 [1 - **1** - **24**].
New Germany: 6 July 1991: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 February 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 August 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 February 2004: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 January 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 January 2013: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].
New Hanover school: 17 September 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
New Mucelneuck: 20 October 1921: Roberts, Austin: TM: 1 [1 - **1**] - 20 May 1931: Roberts, V.: TM: 1 [1 - **1** - **2**].
New Muckleneuk: 20 February 1946: Roberts, R.A.: TM: 1 [1 - **1**] - 21 October 1975: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 March 1987: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].
New Mucklenuek, 351 Rey Street: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Newcastle, 10 mi S: 19 May 1969: Pretorius, J.J.L.: USNM: 37 [37 - **37** - **37**].
Newington: 22 March 1964: Dixon, J.; Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 24 November 1965: Dixon, J.; Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 22 March 1966: Baddeley, M. St. C.: ROM: 7 [7]; Dixon, J.; Baddeley, M. St. C.: ROM: 5 [5 - **12**] - 25 March 1966: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 13 May 1966: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **17**].
Newington, 11 km N: 11 April 1967: Herbert, H.J.: TM: 1 [1 - **1** - **1**].
Newington, 3 mi WNW: 17 September 1963: Cole, Ronald E.: USNM: 1 [1 - **1** - **1**].
Newington, 7 mi N: 11 April 1967: ?: Collector Unknown: TM: 6 [6]; HJH: TM: 1 [1 - **7**] - 1 May 1967: Herbert, H.J.: TM: 1 [1 - **1**] - 4 July 1967: ?: Collector Unknown: TM: 1 [1 - **1** - **9**].
Newlands West: 17 June 1999: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
Newton Park: 7 October 1987: Kemp, A.C.: TM: 1 [1 - **1** - **1**].
Ngodwena: 13 August 2003: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].
Ngome Forest Reserve: Collection Date Unknown: ?: Collector Unknown: TM: 10 [10 - **10**] - 26 April 1987: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2**] - 28 April 1987: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 April 1987: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 April 1987: ?: Collector Unknown: TM: 1 [1 - **1**] - 10 December 1987: Nanni, R.: TM: 1 [1 - **1**] - 11 December 1987: ?: Collector Unknown: TM: 1 [1 - **1**] - 9 March 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 10 March 1988: Muller, H.: TM: 5 [5 - **5**] - 11 March 1988: Bronner, Gary Neil: TM: 1 [1 - **1**] - 12 March 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 14 March 1988: ?: Collector Unknown: TM: 1 [1]; Bronner, Gary Neil: TM: 1 [1]; GNB: TM: 1 [1]; Mothlasedi, S.: TM: 1 [1 - **4** - **29**].
Ngome Police Station: 12 March 1984: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Ngoye hills: 26 October 1904: Grant, Claude Henry Baxter: BMNH: 1 [1 - **1** - **1**].
Ngqeleni: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1]; : KM: 3 [3 - **4**] - 27 March 1908: ?: Collector Unknown: TM: 1 [1 - **1**] - 23 August 1908: ?: Collector Unknown: TM: 1 [1 - **1** - **6**].
Ngqeleni district: Collection Date Unknown: Shortridge, Guy Chester: TM: 1 [1 - **1**] - 22 February 1908: Swinny, H.H.: TM: 1 [1 - **1**] - 23 February 1908: Swinny, H.H.: TM: 1 [1 - **1** - **3**].
Ngubevu mine: 14 April 1979: Wolhuter, David A.: TM: 4 [4 - **4**] - 7 September 1983: ?: Collector Unknown: TM: 17 [17 - **17** - **21**].
Nguhbu Picnic: 17 February 1998: Seamark, Ernest Charles James: DNSM: 1 [1 - **1** - **1**].
Ngwavuma: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Ngwenya Lodge: Collection Date Unknown: : TM: 1 [1 - **1**] - 1 June 1998: Fernsby, Nigel: TM: 3 [3 - **3** - **4**].
Ngxwala Hill: 1 July 1915: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 July 1915: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 July 1915: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 14 July 1915: ?: Collector Unknown: DNSM: 3 [3 - **3** - **7**].
Nhlanganindam. [see Nhlanganini dam, see also: Hlanganini dam]: 29 January 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **1**].
Nhlange, Lake: Collection Date Unknown: Kyle, R.: WAM: 10 [10 - **10** - **10**].
Nhlonhela pan: 22 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5** - **5**].
Nibela peninsula: 1 September 2007: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 17 January 2008: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 18 January 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 January 2008: ?: Collector Unknown: DNSM: 6 [6 - **6**] - 20 January 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 22 January 2008: ?: Collector Unknown: DNSM: 2 [2 - **2** - **14**].
Nico Smith Farm, 20 mi W Port Elizabeth: 29 June 1948: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 2 August 1948: Larson, Thomas ("Tom"): MVZ: 3 [3 - **3**] - 9 August 1948: Larson, Thomas ("Tom"): MVZ: 7 [7 - **7**] - 1 July 1949: Larson, Thomas ("Tom"): AMNH: 2 [2 - **2**] - 29 July 1949: Larson, Thomas ("Tom"): MVZ: 3 [3 - **3** - **16**].
Nkandla Forest Reserve: Collection Date Unknown: : KM: 3 [3 - **3**] - 14 April 2004: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 15 April 2004: Taylor, Peter John; White, Wendy: DNSM: 2 [2 - **2** - **8**].
Nkaya Pan: 5 November 1996: Whitfield, S.: KNP: 1 [1 - **1** - **1**].
Nongoma: Collection Date Unknown: : KM: 1 [1]; Erasmus, E.: TM: 2 [2 - **3** - **3**].
Nooitgedacht Farm: 29 April 2010: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Norlim mine [=Buxton mine]: Collection Date Unknown: Herselman, J.C.: KM: 5 [5 - **5**] - 23 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 19 [19 - **19**] - 13 April 1985: James, D.K.: ZMA: 3 [3 - **3**] - 10 May 1985: James, D.K.: ZMA: 11 [11 - **11** - **38**].
North Beach: 25 June 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
North Cave: 23 June 1983: Espie, Ian W.; Braack, L.E.O.: KNP: 1 [1 - **1** - **1**].
North Park Nature Reserve: 13 April 1996: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].
Northam: 29 May 1969: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Northdene: 16 June 1985: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 May 1994: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 1 August 1997: ?: Collector Unknown: DNSM: 2 [2 - **2** - **6**].
Northern Sewage Works: 9 September 1983: ?: Collector Unknown: TM: 33 [33]; Wolhuter, David A.; Cassidy, R.J.: TM: 1 [1 - **34** - **34**].
Norvalspont: 23 March 1968: Lambrechts, A.V.W.: USNM: 6 [6 - **6** - **6**].
Nottingham Road: 14 April 1996: Fly, R.: DNSM: 1 [1 - **1** - **1**].
Nqubevu mine: 7 September 1983: Wolhuter, David A.; Cassidy, R.J.: TM: 59 [59 - **59** - **59**].
Nqutu: 8 March 1960: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Nsemani Windmill: 26 February 1959: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1**] - 20 December 1959: Pienaar, Uys de Villiers; O.P.: KNP: 1 [1 - **1** - **2**].
Ntabamnyama section: 25 June 1990: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Ntambanana: 16 June 1922: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Ntsizwe mine: 2 November 2010: ?: Collector Unknown: DNSM: 7 [7]; Richardson, E.J.: DNSM: 3 [3 - **10** - **10**].
Ntswiriri Dam: 25 August 1959: Pienaar, Uys de Villiers; Brynard, A.M.; Kloppers, J.J.: KNP: 1 [1 - **1** - **1**].
N'Wambiya Pan: 3 August 1959: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1**] - 5 August 1959: Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: KNP: 1 [1 - **1** - **2**].
N'Wambu Windmill: 8 June 1959: Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: KNP: 2 [2 - **2** - **2**].
Nwanedi: 17 July 1982: Visser, David: TM: 6 [6 - **6** - **6**].
Nwanedzi Camp, dam 1 km NWN: 1 February 1988: ?: Collector Unknown: TM: 5 [5 - **5**] - 2 February 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **6**].
Nwanedzi River, old bridge over: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 January 1988: ?: Collector Unknown: TM: 5 [5]; Koopman, Karl Friedrich: AMNH: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **15**] - 31 January 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **17**].
Nwanedzi, 3 km SE: 10 April 1982: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].
N'Wanetsi Gorge: 27 October 1977: Whitfield, E.A.: KNP: 3 [3 - **3** - **3**].
Nwanetzi: 1 February 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2** - **2**].
Nwanetzi, 1 km N: 1 February 1988: Koopman, Karl Friedrich: AMNH: 8 [8 - **8** - **8**].
N'Waswitshaka Experimental Burn Plots: 23 June 1969: Swart, D.: KNP: 1 [1 - **1** - **1**].
Nyala and Main Roads junction: 12 April 1984: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **2**].
Nyalazi Forest Reserve: 31 October 1974: ?: Collector Unknown: TM: 1 [1]; LaVal, Richard K.: KU: 2 [2 - **3**] - 14 December 1974: ?: Collector Unknown: TM: 1 [1 - **1**] - 17 February 1975: ?: Collector Unknown: TM: 6 [6 - **6**] - 16 March 1975: ?: Collector Unknown: TM: 1 [1]; LaVal, Richard K.: KU: 1 [1 - **2**] - 12 April 1975: LaVal, Richard K.: KU: 2 [2 - **2** - **14**].
Nyellele River: 9 October 1938: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Nylstroom: 10 December 1965: Liversedge, T.N.: USNM: 2 [2 - **2**] - 19 November 1987: Carr, R.D.: TM: 1 [1 - **1** - **3**].
Nylsvlei Nature Reserve: 25 June 1975: Jacobsen, N.J.: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2**] - 9 March 1983: Korn: TM: 1 [1 - **1**] - 28 November 1989: Bronner, Gary Neil: TM: 1 [1 - **1** - **4**].
Nylsvlei Provincal Nature Reserve: 26 November 1989: ?: Collector Unknown: TM: 1 [1 - **1**] - 20 July 1992: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Ocean View Farm: 7 April 2005: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
OFD workings: 13 October 1906: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **1**].
Old Culling camp: 27 July 1984: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **6**] - 27 October 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 27 November 1984: ?: Collector Unknown: TM: 8 [8 - **8** - **15**].
Old Fig Tree Forest: 23 October 1990: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Old Figtree forest: 11 April 1967: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 6 February 1989: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 23 October 1990: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **3**].
old mine near Doodskloof river: 25 September 1968: Haacke, W.D.: TM: 2 [2 - **2** - **2**].
Old Picnic Site: Collection Date Unknown: ?: Collector Unknown: TM: 8 [8]; Wolhuter, David A.; *et al.*: TM: 1 [1 - **9**] - 29 September 1983: Wolhuter, David A.; *et al.*: TM: 1 [1 - **1**] - 2 October 1983: Wolhuter, David A.; Cassidy, R.J.: KNP: 2, TM: 1 [3 - **3**] - 5 October 1983: ?: Collector Unknown: TM: 2 [2 - **2**] - 6 October 1983: ?: Collector Unknown: TM: 4 [4 - **4**] - 25 October 1983: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **9**] - 30 November 1983: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **11**] - 1 February 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 19 February 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 February 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 19 April 1984: ?: Collector Unknown: TM: 8 [8]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **10**] - 26 April 1984: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **6**] - 27 May 1984: ?: Collector Unknown: TM: 4 [4]; Wolhuter, David A.: TM: 1 [1]; Wolhuter, David A.; *et al.*: TM: 6 [6 - **11**] - 28 May 1984: ?: Collector Unknown: TM: 2 [2]; Grimbeek, Anton: TM: 1 [1]; Wolhuter, David A.; *et al.*: TM: 5 [5 - **8**] - 29 May 1984: ?: Collector Unknown: TM: 3 [3]; Wolhuter, David A.; *et al.*: TM: 3 [3 - **6**] - 30 June 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 February 1985: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **4**] - 12 April 1985: ?: Collector Unknown: TM: 7 [7]; Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **15**] - 13 April 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5**] - 25 August 1985: ?: Collector Unknown: TM: 3 [3]; Wolhuter, David A.; *et al.*: TM: 1 [1 - **4**] - 8 November 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 9 May 1986: Rautenbach, Ignatius Lourens [=Naas]: CM: 1 [1 - **1**] - 24 January 1988: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **12**] - 8 March 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 20 January 1993: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **130**].
Olifants [see Olifants Ruskamp, see also: Olifants River Rest Camp, Olifants River Ruskamp, Olifantsrivierruskamp]: 26 January 1988: Koopman, Karl Friedrich: AMNH: 3 [3 - **3** - **3**].
Olifants Camp, 7 km W: 26 January 1988: ?: Collector Unknown: TM: 5 [5 - **5** - **5**].
Olifants Rest Camp, 7 km W: 26 January 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 7 [7 - **7** - **7**].
Olifants River: Collection Date Unknown: ?: Collector Unknown: MMK: 2 [2]; Noome, F.O.: TM: 1 [1 - **3** - **3**].
Olifants, 7 km W: 26 January 1988: Koopman, Karl Friedrich: AMNH: 5 [5 - **5** - **5**].
Olifantsfontein, 42 Oribi Ave: 11 March 1995: Dehning, C.: TM: 1 [1 - **1** - **1**].
Oliphantspoort, Olifantspruit: 27 July 1967: Oosthuizen, A.: ROM: 1 [1 - **1**] - 31 July 1967: Oosthuizen, A.: ROM: 1 [1 - **1** - **2**].
Omdraaivlei: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

on Louis Trichard Road: 15 October 1973: Branch, William [="Bill"] R.: TM: 1 [1 - **1**] - 7 June 1974: Branch, William [="Bill"] R.: TM: 1 [1 - **1**] - 17 June 1974: Branch, William [="Bill"] R.: TM: 3 [3 - **3**] - 8 June 1975: Branch, William [="Bill"] R.: TM: 5 [5 - **5** - **10**].
on Molopo Rd, Farm Ohkotso [=Voigt's]: 11 May 1982: Wolhuter, David A.: TM: 1 [1 - **1** - **1**].
Onderdownes Wes: 17 June 1969: Pretorius, J.J.L.: USNM: 1 [1 - **1** - **1**].
Onderstepoort: Collection Date Unknown: Veterinary Research Lab, The: TM: 1 [1 - **1**] - 17 January 1936: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 September 1937: Zoological Survey, The: TM: 1 [1 - **1**] - 28 September 1939: Zoological Survey, The: TM: 1 [1 - **1**] - 22 December 1950: ?: Collector Unknown: TM: 1 [1 - **1** - **5**].
Ookiep: 1 January 1906: ?: Collector Unknown: MSNG: 1 [1 - **1** - **1**].
Orange River confluence: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Orange River Station: 12 August 1992: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Orange River, near south bank: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1**] - 13 December 1922: Shortridge, Guy Chester: MCZ: 1 [1 - **1** - **2**].
Oribi Gorge Nature Reserve: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 December 1980: ?: Collector Unknown: TM: 1 [1 - **1**] - 19 December 1980: ?: Collector Unknown: TM: 1 [1 - **1**] - 20 December 1980: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 January 1981: ?: Collector Unknown: TM: 2 [2 - **2**] - 23 January 1982: ?: Collector Unknown: TM: 3 [3 - **3**] - 16 June 1995: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **11**].
Oribi-Lind Valley Game Ranch: 24 January 1982: ?: Collector Unknown: TM: 6 [6]; Sowler, G.A.; Sowler, S.G.: TM: 8 [8 - **14** - **14**].
Orpen Gate, 14 km N: 3 February 1988: Koopman, Karl Friedrich: AMNH: 3 [3 - **3** - **3**].
Ottershoop: 20 October 1919: Raven, Henry Cushier: USNM: 1 [1 - **1** - **1**].
Otto's Bluff Farm: 10 January 1980: Wolhuter, David A.: AMNH: 3 [3 - **3**] - 20 March 1988: ?: Collector Unknown: TM: 1 [1]; Wirminghaus, J.O.: TM: 1 [1 - **2** - **5**].
Ottoshoop: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 19 October 1919: Raven, Henry Cushier: USNM: 75 [75 - **75** - **76**].
Overport: 21 November 1985: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 May 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 February 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 June 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].
Oviston NR: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Pafuri: Collection Date Unknown: ?: Collector Unknown: TM: 19 [19]; Schlitter, Duane Albert: CM: 2 [2 - **21**] - 6 May 1979: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **3**] - 7 May 1979: ?: Collector Unknown: NMB: 1, TM: 3 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **5**] - 8 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 9 May 1979: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **5**] - 10 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 11 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 12 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 8 June 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 24 November 1985: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **5**] - 19 January 1988: Koopman, Karl Friedrich: AMNH: 3 [3 - **3**] - 22 January 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 24 November 2000: MacFadyen, D.; Kone, J.: TM: 25 [25 - **25**] - 1 February 2010: ?: Collector Unknown: TM: 17 [17 - **17**] - 2 February 2010: ?: Collector Unknown: SNP: 1, TM: 19 [20 - **20**] - 3 February 2010: ?: Collector Unknown: TM: 33 [33 - **33**] - 4 February 2010: ?: Collector Unknown: TM: 3 [3 - **3**] - 8 November 2010: ?: Collector Unknown: TM: 7 [7 - **7**] - 9 November 2010: ?: Collector Unknown: SNP: 1, TM: 3 [4 - **4**] - 10 November 2010: ?: Collector Unknown: TM: 8 [8 - **8**] - 11 November 2010: ?: Collector Unknown: TM: 2 [2 - **2**] - 12 November 2010: ?: Collector Unknown: TM: 24 [24 - **24** - **192**].
Pafuri area: 4 July 1987: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 19 January 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - 20 January 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - 22 January 1988: Koopman, Karl Friedrich: AMNH: 3 [3 - **3**] - 23 January 1988: Koopman, Karl Friedrich: AMNH: 3 [3 - **3** - **11**].
Pafuri area: 9 August 1959: Pienaar, Uys de Villiers; Stegmann, D.O.; Fairall, N.: KNP: 3 [3 - **3** - **3**].
Pafuri area, Mockford's Garden: Collection Date Unknown: ?: Collector Unknown: TM: 11 [11]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **12**] - 6 February 1977: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 10 February 1978: Rautenbach, Ignatius Lourens [=Naas]; Nel, J.: TM: 1 [1 - **1**] - 6 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 7 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 8 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **6**] - 10 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 11 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 12 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 8 June 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 13 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 2 [2 - **2**] - 14 September 1979: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 15 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 2 [2 - **2**] - 15 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 27 October 1983: ?: Collector Unknown: TM: 5 [5 - **5**] - 26 November 1983: ?: Collector Unknown: TM: 2 [2 - **2**] - 27 November 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 3 March 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 3 August 1984: Schlitter, Duane Albert: CM: 1 [1 - **1**] - 4 February 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 23 November 1985: ?: Collector Unknown: TM: 2 [2]; Penzhorn, B.L.; Kilian, J.A.: TM: 1 [1 - **3**] - 11 May 1986: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **4**] - 22 July 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 19 January 1988: Koopman, Karl Friedrich: AMNH: 6 [6]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **7**] - 22 January 1988: Koopman, Karl Friedrich: AMNH: 6 [6 - **6**] - 23 January 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - 28 January 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **76**].
Pafuri, Bridge: 6 February 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].
Pafuri, Research camp: 19 October 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].
Pafuri, upstream site: 21 October 1986: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Pafuri,Figtree Forest, downstream: 25 September 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].
Pafuriv area: 6 May 1979: Rautenbach, Ignatius Lourens [=Naas]: KNP: 3 [3 - **3**] - 7 May 1979: Rautenbach, Ignatius Lourens [=Naas]: KNP: 2 [2 - **2**] - 8 May 1979: Rautenbach, Ignatius Lourens [=Naas]: KNP: 2 [2 - **2**] - 10 May 1979: Rautenbach, Ignatius Lourens [=Naas]: KNP: 2 [2 - **2**] - 11 May 1979: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1 [1 - **1** - **10**].
Palmiet Nature Reserve: 11 November 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 August 2004: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Pamfret, 18 km W: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Papkuil: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Paradise Valley Nature Reserve: 7 May 2008: ?: Collector Unknown: DNSM: 6 [6 - **6**] - 5 April 2010: ?: Collector Unknown: DNSM: 1 [1 - **1** - **7**].
Park Rynie: 6 March 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 April 1996: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Pennington: Collection Date Unknown: ?: Collector Unknown: CM: 1 [1]; Robbins, Lynn W.: CM: 2 [2 - **3**] - 3 December 1975: Robbins, Lynn W.: CM: 4 [4 - **4**] - 4 December 1975: Robbins, Lynn W.: CM: 4 [4 - **4** - **11**].
Percy Fyfe Nature Reserve: 18 March 1993: West, Sean D.: TM: 2 [2 - **2**] - 19 March 1993: ?: Collector Unknown: TM: 1 [1]; West, Sean D.: TM: 1 [1 - **2**] - 20 March 1993: West, Sean D.: TM: 1 [1 - **1** - **5**].
Perkeo ? 223KT: 7 September 2003: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].
Petrusburg: 1 June 1970: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Phalaborwa Staff Village: 26 March 1979: Swart, J.: KNP: 2 [2 - **2** - **2**].
Phalaborwa, 20 km S: 31 March 1997: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
Philippolis: 7 September 1974: ?: Collector Unknown: NMB: 3 [3 - **3**] - 13 January 1983: ?: Collector Unknown: NMB: 3 [3 - **3** - **6**].
Philipstown: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].
Phillipolis: 8 October 1997: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].
Phinda Game Reserve: 8 June 1999: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 28 November 2009: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 11 February 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 September 2011: ?: Collector Unknown: DNSM: 5 [5 - **5** - **10**].
Phinda Game Reserve, Cave 3: 26 September 2011: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Phinda Game Reserve, Forest Lodge: 16 February 2007: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Phinda Mountain Lodge: 25 September 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 September 2011: ?: Collector Unknown: DNSM: 6 [6 - **6**] - 28 September 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 30 September 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **9**].
Phinda Rock Lodge: 28 September 2011: ?: Collector Unknown: DNSM: 4 [4 - **4** - **4**].
Phoenix: 25 June 1997: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Pickford Farm: 9 September 1947: Larson, Thomas ("Tom"): MVZ: 2 [2 - **2** - **2**].
Picnic site: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2**] - 13 February 1983: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 7 March 1990: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8** - **11**].
Piet Retief: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Pietermaritzburg: Collection Date Unknown: ?: Collector Unknown: DNSM: 1, TM: 1 [2]; : KM: 5 [5]; Frichmunn, H.: USNM: 1 [1 - **8**] - 20 November 1950: Holliday, C.S.: USNM: 1 [1 - **1**] - 2 February 1951: Clancey, Phillip Alexander: HZM: 1 [1 - **1**] - 14 September 1951: Harrison, David Lakin: ROM: 1 [1 - **1**] - 9 June 1974: ?: Collector Unknown: TM: 2 [2 - **2**] - 6 September 1974: LaVal, Richard K.: KU: 2 [2 - **2**] - 10 October 1974: ?: Collector Unknown: TM: 2 [2]; LaVal, Richard K.: KU: 1 [1 - **3**] - 12 October 1974: ?: Collector Unknown: TM: 5 [5 - **5**] - 20 October 1974: LaVal, Richard K.: KU: 2 [2 - **2**] - 1 December 1974: ?: Collector Unknown: TM: 1 [1 - **1**] - 9 December 1974: ?: Collector Unknown: TM: 1 [1 - **1**] - 26 February 1975: ?: Collector Unknown: TM: 1 [1 - **1**] - 2 March 1975: ?: Collector Unknown: TM: 1 [1 - **1**] - 23 March 1975: LaVal, Richard K.: KU: 1 [1 - **1**] - 25 March 1975: ?: Collector Unknown: TM: 1 [1 - **1**] - 20 March 1976: ?: Collector Unknown: SMF: 2 [2 - **2**] - 29 March 1976: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 April 1976: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 May 1976: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 July 1976: Meester, Jurgens Anthonie Janse [=Waldo]: SMF: 1 [1 - **1**] - 18 July 1976: Meester, Jurgens Anthonie Janse [=Waldo]: SMF: 1 [1 - **1**] - 21 July 1976: Meester, Jurgens Anthonie Janse [=Waldo]: SMF: 1 [1 - **1**] - 27 December 1989: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 March 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 May 1995: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 2 [2 - **2**] - 23 November 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 January 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 January 2000: Richardson; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 9 October 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 November 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 July 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 March 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 August 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 October 2012: ?: Collector Unknown: DNSM: 1 [1 - **1** - **53**].
Pietermaritzburg area: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Pietermaritzburg University Campus: 24 May 1970: Wingate, Lloyd R.: TM: 1 [1 - **1**] - 24 May 1972: Wingate, Lloyd R.: AMNH: 1, TM: 2 [3 - **3** - **4**].
Pietermaritzburg, 16 km NNE: 28 March 1923: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].
Pietermaritzburg, 18 km N: 21 February 1977: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **1**].
Pietermaritzburg, 20 km ENE: 5 March 1976: Bernard, Ric T.F.: AMNH: 2 [2 - **2**] - 14 April 1976: Bernard, Ric T.F.: AMNH: 3 [3 - **3**] - 30 May 1976: Bernard, Ric T.F.: AMNH: 1 [1 - **1**] - 6 February 1977: Bernard, Ric T.F.: AMNH: 1 [1 - **1**] - 24 February 1977: Bernard, Ric T.F.: AMNH: 1 [1 - **1**] - 8 May 1977: Bernard, Ric T.F.: AMNH: 1 [1 - **1**] - 22 June 1977: Bernard, Ric T.F.: AMNH: 1 [1 - **1**] - 2 August 1977: Bernard, Ric T.F.: AMNH: 1 [1 - **1**] - 26 February 1979: Bernard, Ric T.F.: AMNH: 1 [1 - **1**] - 3 April 1979: Bernard, Ric T.F.: AMNH: 1 [1 - **1** - **13**].
Pietermaritzburg, Chase Valley Heights: 24 May 1989: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Pietermartizburg: 20 November 1950: Clancey, Phillip Alexander: HZM: 1 [1 - **1**] - 1 June 1951: Clancey, Phillip Alexander: HZM: 1 [1 - **1** - **2**].
Pietersburg: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 1 May 1921: ?: Collector Unknown: TM: 2 [2 - **2** - **4**].
Pietersburg, farm near: 16 January 1914: ?: Collector Unknown: TM: 1 [1 - **1**] - 16 March 1967: Coetzee, N.: ROM: 1 [1 - **1** - **2**].
Pigeon Valley: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 25 August 1985: Gordon: TM: 1 [1 - **1** - **2**].
Pigeon Valley Park: 20 April 1996: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **2**].
Pilanesberg-NP: 10 March 1987: Grant, K.: TM: 2 [2 - **2** - **2**].
Pilanesburg Nature Reserve, Old mine audit: 26 February 1985: Jacobsen, N.J.: TM: 1 [1 - **1** - **1**].
Pinetown: 11 March 1956: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 5 February 1983: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 August 1986: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 March 1996: Richardson, E.: DNSM: 1 [1 - **1**] - 1 November 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 December 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 22 May 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 November 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 November 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 March 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 22 April 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 July 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 September 2005: ?: Collector

Unknown: DNSM: 1 [1 - **1**] - 26 February 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 February 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **17**].

Piquetburg: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].

Piquetburg, N: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Pirie Forest: 24 March 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 25 March 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 28 March 1938: Carter, T. Donald: AMNH: 4 [4 - **4**] - 1 June 1949: Arends, Nicholas P.: AMNH: 1 [1 - **1** - **7**].

Pirie Mission: Collection Date Unknown: ?: Collector Unknown: SAMC: 1, USNM: 1 [2]; : KM: 1 [1 - **3** - **3**].

Pirie Trout hatchery: 24 February 1964: Risser, A.C.: USNM: 3 [3 - **3**] - 1 December 1965: Davidson, I.: KM: 1 [1 - **1** - **4**].

Pirie, Pirie Mission: Collection Date Unknown: Godfrey, R.: SAMC: 7 [7 - **7** - **7**].

Plettenberg Bay: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, SAMC: 1 [2 - **2** - **2**].

Pofadder,42 km NE: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Point Caravan Park: 18 November 1990: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Pondoland: Collection Date Unknown: Bachmann: ZMB: 1 [1 - **1** - **1**].

Pongola Bush NR.: 6 April 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Pongola River Bridge, on Jozini - Kosi Road: 30 November 1997: ?: Collector Unknown: DNSM: 20 [20]; Taylor, Peter John; Jacobs, David S.; *et al.*: DNSM: 5 [5 - **25**] - 1 December 1997: ?: Collector Unknown: DNSM: 6 [6]; Taylor, Peter John; Jacobs, David S.; *et al.*: DNSM: 13 [13 - **19** - **44**].

Pongola, 9 Jan Kemlaan: 25 September 1970: ?: Collector Unknown: TM: 4 [4 - **4**] - 21 October 1970: Jaubert: TM: 1 [1 - **1** - **5**].

Pongoland: 20 September 1970: Wessels: TM: 2 [2 - **2** - **2**].

Pongolapoort Dam: 21 August 1991: ?: Collector Unknown: TM: 1 [1 - **1**] - 14 August 1995: ?: Collector Unknown: DNSM: 1 [1]; Taylor, Peter John; *et al.*: DNSM: 11 [11 - **12**] - 31 August 1996: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 2 [2 - **2**] - 28 November 1997: ?: Collector Unknown: DNSM: 14 [14]; Taylor, Peter John; Jacobs, David S.; *et al.*: DNSM: 6 [6 - **20**] - 2 April 2001: ?: Collector Unknown: DNSM: 6 [6 - **6**] - 14 October 2007: ?: Collector Unknown: DNSM: 56 [56 - **56** - **97**].

Port Alfred: Collection Date Unknown: Penther, A.: NMW: 1 [1 - **1** - **1**].

Port Durnford: 10 September 1974: LaVal, Richard K.: KU: 1 [1 - **1**] - 28 October 1974: LaVal, Richard K.: KU: 3 [3 - **3** - **4**].

Port Durnford Forest Reserve: 23 February 1975: LaVal, Richard K.: KU: 1 [1 - **1**] - 9 April 1975: LaVal, Richard K.: KU: 2 [2 - **2** - **3**].

Port Edward: 18 November 1990: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 18 July 2012: ?: Collector Unknown: DNSM: 4 [4 - **4** - **6**].

Port Edward area: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Port Elisabeth: Collection Date Unknown: Braune: NMW: 1 [1 - **1**] - 5 June 1965: ?: Collector Unknown: HZM: 1 [1 - **1** - **2**].

Port Elizabeth: 29 June 1940: Pringle, J.A.: HZM: 1 [1 - **1**] - 1 July 1940: Pringle, J.A.: HZM: 1 [1 - **1** - **2**].

Port Elizabeth, King's Beach: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].

Port Elizabeth, S: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Port Natal: 25 April 1840: Wahlberg, Johan August: NRM: 1 [1 - **1** - **1**].

Port Natal [=Durban]: Collection Date Unknown: Gueinzius: ZMB: 1 [1]; Mohr, Richard: ZMB: 1 [1]; Schlüter, A.: ZMB: 1 [1 - **3** - **3**].

Port Natal [=Durban], near: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2** - **2**].

Port Nolloth, 15 mi inland: Collection Date Unknown: Shortridge, Guy Chester: KM: 1 [1 - **1** - **1**].

Port Shepstone: 14 November 1995: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Port St Johns: Collection Date Unknown: ?: Collector Unknown: SAMC: 2 [2]; : KM: 2 [2 - **4**] - 24 June 1902: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 25 June 1902: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 5 March 1909: Swinny, H.H.: TM: 1 [1 - **1**] - 21 March 1909: Swinny, H.H.: TM: 1 [1 - **1**] - 5 January 1910: Swinny, H.H.: TM: 1 [1 - **1**] - 11 February 1910: Swinny, H.H.: TM: 1 [1 - **1**] - 2 July 1932: Turner, H.J.A.: KM: 1 [1 - **1**] - 30 April 1936: Swinny, H.H.: TM: 1 [1 - **1** - **12**].

Port St. Johns: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, SAMC: 3, TM: 7 [11]; Meester, Jurgens Anthonie Janse [=Waldo]: TM: 3 [3]; Swinny, H.H.: TM: 6 [6 - **20**] - 22 August 1902: Shortridge, Guy Chester: SAMC: 1 [1 - **1**] - 20 April 1908: Swinny, H.H.: TM: 1 [1 - **1**] - 7 December 1909: ?: Collector Unknown: TM: 1 [1 - **1**] - 24 March 1910: Swinny, H.H.: TM: 1 [1 - **1**] - 23 December 1910: ?: Collector Unknown: TM: 2 [2 - **2**] - 26 February 1911: Swinny, H.H.: TM: 1 [1 - **1**] - 30 April 1911: Swinny, H.H.: TM: 1 [1 - **1**] - 12 June 1911: Swinny, H.H.: TM: 2 [2 - **2**] - 23 June 1911: Swinny, H.H.: TM: 1 [1 - **1**] - 27 April 1936: ?: Collector Unknown: TM: 1 [1]; Swinny, H.H.: TM: 1 [1 - **2**] - 28 April 1936: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 April 1936: ?: Collector Unknown: TM: 1 [1]; Swinny, H.H.: TM: 1 [1 - **2**] - 1 May 1936: ?: Collector Unknown: TM: 1 [1 - **1**] - 2 May 1936: ?: Collector Unknown: TM: 1 [1 - **1**] - 3 May 1936: ?: Collector Unknown: TM: 1 [1 - **1**] - 26 August 1982: Shortridge, Guy Chester: SAMC: 1 [1 - **1** - **40**].

Postberg Nature Reserve: 30 December 1989: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Postmasburg, 21 km NNE: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Postmasburg, 24 km WSW: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Postmasburg, 25 km ENE: Collection Date Unknown: ?: Collector Unknown: MMK: 4 [4 - **4** - **4**].

Postmasburg, 6 km NE: Collection Date Unknown: ?: Collector Unknown: MMK: 3 [3 - **3** - **3**].

Potchefstroom: Collection Date Unknown: ?: Collector Unknown: SAMC: 2, TM: 1, USNM: 1 [4]; Jameson, E.: BMNH: 1 [1 - **5**] - 21 April 1906: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 21 September 1906: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2**] - 26 September 1906: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 28 September 1906: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 12 August 1907: ?: Collector Unknown: TM: 2 [2]; Jameson, Henry Paul William Lyster: TM: 9 [9 - **11**] - 20 August 1907: Jameson, Henry Paul William Lyster: TM: 2, USNM: 1 [3 - **3**] - 22 August 1907: Jameson, Henry Paul William Lyster: TM: 2 [2 - **2**] - 16 July 1985: ?: Collector Unknown: NMB: 1 [1 - **1** - **27**].

Potgietersrus: Collection Date Unknown: Pretorius, H.: TM: 2 [2 - **2**] - 17 December 1919: ?: Collector Unknown: TM: 1 [1 - **1**] - 20 March 1920: ?: Collector Unknown: TM: 1 [1 - **1** - **4**].

Potgietersrus [= Mokopane], 25 km ESE: Collection Date Unknown: : TM: 1 [1 - **1** - **1**].

Pretoria: Collection Date Unknown: ?: Collector Unknown: TM: 4 [4]; : KM: 1 [1]; Haagner, Alwin Karl: TM: 2 [2]; Noome, F.O.: TM: 1 [1]; Roberts, Dr.: TM: 1 [1 - **9**] - 1 May 1907: ?: Collector Unknown: TM: 2 [2 - **2**] - 14 March 1909: Roberts, Austin: TM: 1 [1 - **1**] - 27 January 1910: ?: Collector Unknown: TM: 1 [1 - **1**] - 24 December 1910: Roberts, Austin: TM: 1 [1 - **1**] - 12 April 1911: ?: Collector Unknown: TM: 2 [2 - **2**] - 29 August 1912: ?: Collector Unknown: TM: 1 [1 - **1**] - 5 March 1915: Frans: TM: 1 [1 - **1**] - 11 March 1915: Frans: TM: 1 [1]; Powell, W.: TM: 1 [1 - **2**] - 14 June 1917: Roberts, Austin: TM: 1 [1 - **1**] - 6 September 1919: Roberts, Austin: TM: 2 [2 - **2**] - 8 October 1931: Roberts, Austin: TM: 1 [1 - **1**] - 18

October 1931: Roberts, Austin; Bedford, G.A.H.: TM: 3 [3 - **3**] - 3 November 1931: ?: Collector Unknown: TM: 1 [1 - **1**] - 10 December 1931: ?: Collector Unknown: TM: 1 [1 - **1**] - 4 February 1932: ?: Collector Unknown: TM: 1 [1 - **1**] - 9 February 1932: Noome, F.O.: TM: 1 [1 - **1**] - 4 March 1932: Smith, L.; Smith, D.: TM: 1 [1]; The Mines, L.; Smith, D.: TM: 1 [1 - **2**] - 24 April 1933: Noome, F.O.: TM: 4 [4 - **4**] - 25 April 1933: White, A.G.: MCZ: 1 [1 - **1**] - 26 April 1933: White, A.G.: MCZ: 2 [2 - **2**] - 9 February 1934: ?: Collector Unknown: TM: 1 [1 - **1**] - 12 June 1934: Wortzel, J.: TM: 1 [1 - **1**] - 26 February 1936: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 January 1945: Colback: RMCA: 1 [1 - **1**] - 19 January 1945: Colback: RMCA: 1 [1 - **1**] - 29 December 1947: Broom, R.: TM: 1 [1 - **1**] - 21 February 1951: ?: Collector Unknown: MZUF: 1 [1 - **1**] - 3 December 1956: ?: Collector Unknown: TM: 1 [1 - **1**] - 20 June 1967: Mumford, Russell E.: ROM: 1 [1 - **1**] - 22 June 1967: Mendelsohn, J.: ROM: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - 23 October 1978: Groenewald: TM: 1 [1 - **1** - **52**].

Pretoria - Kameeldrif, between: 1 November 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Pretoria Boy's School: 20 June 1967: Mumford, Russell E.: ROM: 6 [6 - **6**] - 22 June 1967: Mumford, Russell E.: ROM: 4 [4 - **4** - **10**].

Pretoria district: 1 May 1927: Haagner, Alwin Karl: FMNH: 1 [1 - **1** - **1**].

Pretoria hospital: 6 February 1924: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Pretoria North: 25 November 1921: ?: Collector Unknown: TM: 1 [1 - **1**] - 12 October 1923: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 13 September 1926: Carlisle, M.: TM: 1 [1 - **1** - **3**].

Pretoria Zoo: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 13 November 1974: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Pretoria Zoological Gardens, near: Collection Date Unknown: Fernsby, Nigel: TM: 2 [2 - **2** - **2**].

Pretoria Zoo's farm: 20 August 1977: de Jager, J.G.: TM: 1 [1 - **1** - **1**].

Pretoria, 30 mi [= 48 km] SW: 22 June 1967: Mumford, Russell E.: ROM: 7 [7 - **7**] - 20 July 1967: Mumford, Russell E.: ROM: 1 [1 - **1** - **8**].

Pretoria, 6 mi [= 9.6 km] W: 6 August 1967: Bolt, J.: ROM: 1 [1 - **1** - **1**].

Pretoria, near: 1 June 1961: ?: Collector Unknown: FMNH: 1 [1 - **1** - **1**].

Pretoriuskop: 3 September 1959: Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: KNP: 1 [1 - **1**] - 19 March 1973: Massyn, William: KNP: 1 [1 - **1** - **2**].

Pretoriuskop Rest Camp: 1 July 1959: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 4 [4 - **4**] - 21 January 1960: Pienaar, Uys de Villiers: KNP: 2 [2 - **2** - **6**].

Pretoriuskop Section: 30 May 1960: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].

Pretrusburg: Collection Date Unknown: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Prieska, 23 km NNW: Collection Date Unknown: ?: Collector Unknown: MMK: 3 [3 - **3** - **3**].

Prieska, 26 km NW: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Prieska, 4 km W: Collection Date Unknown: ?: Collector Unknown: MMK: 2 [2 - **2** - **2**].

Prieska, near: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Prince Albert: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].

Punda Malia: 23 March 1960: ?: Collector Unknown: TM: 2 [2 - **2**] - 23 November 1961: ?: Collector Unknown: TM: 2 [2 - **2**] - 16 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5**] - 1 September 1979: ?: Collector Unknown: TM: 1 [1 - **1**] - 21 September 1979: ?: Collector Unknown: TM: 9 [9 - **9**] - 22 September 1979: ?: Collector Unknown: TM: 1 [1 - **1**] - 23 September 1979: ?: Collector Unknown: TM: 1 [1 - **1** - **21**].

Punda Maria: 14 July 1959: Van De Merwe, P.: KNP: 1 [1 - **1**] - 24 March 1960: Pienaar, Uys de Villiers; Brain, C.K.: KNP: 2 [2 - **2**] - 17 February 1961: Pienaar, Uys de Villiers: KNP: 1 [1 - **1**] - 25 February 1961: Pienaar, Uys de Villiers: KNP: 3 [3 - **3** - **7**].

Punda Maria Camp: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 21 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 9 [9 - **9**] - 23 March 2004: ?: Collector Unknown: KU: 2 [2 - **2** - **12**].

Punda Maria Camp, 2 km N: Collection Date Unknown: Koopman, Karl Friedrich: AMNH: 7 [7 - **7**] - 21 January 1988: Koopman, Karl Friedrich: AMNH: 4 [4 - **4** - **11**].

Punda Maria Rest Camp: 10 August 1959: Pienaar, Uys de Villiers; Stegmann, D.O.; Fairall, N.: KNP: 1 [1 - **1**] - 8 January 1960: Pienaar, Uys de Villiers: KNP: 3 [3 - **3** - **4**].

Punda Maria Shop: 6 September 1978: Pienaar, Uys de Villiers; Joubert, S.: KNP: 1 [1 - **1** - **1**].

Punda Maria, 15 km E: 20 January 1988: Koopman, Karl Friedrich: AMNH: 3 [3 - **3** - **3**].

Punda Milia: 21 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 2 [2 - **2**] - 22 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 7 [7 - **7** - **9**].

Punda Milia Camp: 2 December 1932: Long, H.: TM: 1 [1 - **1**] - 23 March 1960: Brain, C.K.: TM: 1 [1 - **1**] - 24 March 1960: ?: Collector Unknown: TM: 3 [3 - **3**] - 27 March 1960: Brain, C.K.: TM: 1 [1 - **1**] - 16 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2**] - 21 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 17 [17]; Schlitter, Duane Albert: CM: 3 [3 - **20**] - 22 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 11 [11]; Schlitter, Duane Albert: CM: 2 [2 - **13** - **41**].

Punda Milia Police post: 24 March 1960: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Punda Milia, pumphouse: 16 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **3**].

Queen Elizabeth Park: 24 February 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 2 January 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 February 1993: Wolhuter, David A.; Cassidy, R.J.: DNSM: 1 [1 - **1**] - 5 April 1993: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 September 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 March 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 March 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 October 2005: ?: Collector Unknown: DNSM: 1 [1 - **1** - **8**].

Queensburgh: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 May 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 January 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 December 1999: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 14 December 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].

Queenswood: 16 January 1995: Schribante, Mrs.: TM: 1 [1 - **1** - **1**].

Qwa-Qwa National Park: 19 October 1994: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Rackpoort-guano cave: 11 December 1967: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Randstephne 455 KQ: 20 January 2012: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 January 2012: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Ranshas Ld: 1 June 1937: White, A.G.: BRTC: 1 [1 - **1** - **1**].

Ratzschitz Mission Church: 13 September 1997: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Red Hill: 10 January 2000: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].

Reddersberg: 14 March 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Reddersburg: 14 October 1982: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].
Reddersburgh Farm: 29 December 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ: Collection Date Unknown: Fernsby, Nigel: TM: 1 [1 - **1** - **1**].
Renie Park: 27 July 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 31 July 1979: Sowler, S.G.: ZMA: 3 [3 - **3**] - 3 August 1979: Sowler, S.G.: ZMA: 3 [3 - **3**] - 21 August 1979: Sowler, S.G.: ZMA: 2 [2 - **2**] - 14 September 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 18 September 1979: Sowler, S.G.: ZMA: 2 [2 - **2**] - 24 September 1979: Sowler, S.G.: ZMA: 2 [2 - **2** - **14**].
Renishaw: 27 July 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 9 February 1995: Seamark, Ernest Charles James: DNSM: 1 [1 - **1**] - 1 November 1995: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 12 October 1996: Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **6**].
Renosterkoppies, 15 km S: 7 February 1988: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].
Republic of South Africa: Collection Date Unknown: Hendy, Q.B.: OSU: 1 [1 - **1**] - 1 January 1967: Stockholm museum, The: BMNH: 1 [1 - **1** - **2**].
Reservoir Hills: 23 July 2000: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Rhenlagen: 17 August 1971: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].
Rhenosterkoppies: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **7**] - 4 September 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 7 February 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **16** - **24**].
Rhin Z: 27 December 1952: Zumpt, Frits Konrad Ernst: SMF: 1 [1 - **1** - **1**].
Rhodes: 1 March 1980: Wingate, Lloyd R.: MSB: 1 [1 - **1** - **1**].
Richards Bay: 6 July 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Richmond: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Riebeekstad: 23 September 1981: ?: Collector Unknown: NMB: 6 [6 - **6** - **6**].
Rielpoort: 10 July 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Riemvasmaak: 8 December 1987: Erasmus, B.H.: MMK: 2 [2 - **2**] - 9 December 1987: Erasmus, B.H.: MMK: 7 [7 - **7** - **9**].
Rietfontein Farm 536 KQ: 25 July 1999: Cohen, Lientjie: TM: 1 [1 - **1**] - 22 December 2012: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 December 2013: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Rietondale, 177 Lys Street: 15 January 2004: Humphreys, Eddie: TM: 1 [1 - **1** - **1**].
Rissik Private Nature Reserve: Collection Date Unknown: Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **8**] - 17 March 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 10 October 1973: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - 14 October 1973: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **15**].
Riversdale: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Robertson: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Rochdale, Farm: 20 March 1973: Uys, J.C.: TM: 1 [1 - **1** - **1**].
Rocher Pan Nature Reserve [=Rocher pan, Rocherpan]: Collection Date Unknown: Herselman, J.C.: KM: 1 [1 - **1**] - 7 December 1974: Cruikshank, R.: SAMC: 1 [1 - **1**] - 12 December 1974: Cruikshank, R.: SAMC: 1 [1 - **1** - **3**].
Rocherpan: Collection Date Unknown: Herselman, J.C.; Norton, Peter M.: KM: 1 [1 - **1** - **1**].
Rockcliff farm: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Rockport-guano cave: 11 December 1967: ?: Collector Unknown: BRTC: 2 [2 - **2** - **2**].
Rockport-guano cave: 11 December 1967: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Rocktail Bay: 12 April 2010: ?: Collector Unknown: TM: 15 [15 - **15**] - 15 April 2010: ?: Collector Unknown: TM: 20 [20 - **20** - **35**].
Roodevaal Private Camp, 2 km SE: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 3 February 1988: ?: Collector Unknown: TM: 3 [3]; Bronner, Gary Neil: TM: 12 [12]; Koopman, Karl Friedrich: AMNH: 7 [7 - **22** - **24**].
Rooiberg, Tin mine: 21 February 1995: West, Sean D.: TM: 1 [1 - **1** - **1**].
Roossenekal: Collection Date Unknown: : TM: 1 [1 - **1** - **1**].
Roseneath: 22 November 1977: Sowler, S.G.: ZMA: 1 [1 - **1**] - 17 February 1978: Sowler, S.G.: ZMA: 1 [1 - **1**] - 4 April 1978: Sowler, S.G.: ZMA: 1 [1 - **1**] - 26 June 1978: Sowler, S.G.: ZMA: 1 [1 - **1** - **4**].
Rossburgh: 13 October 1997: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Rosslyn: 23 July 1921: Van Dam, G.P.: TM: 1 [1 - **1**] - 25 April 1933: White, A.G.: MCZ: 1 [1 - **1**] - 26 April 1933: White, A.G.: MCZ: 2 [2 - **2** - **4**].
Rotterdam Farm: 5 September 1947: Peabody, Frank Elmer: MVZ: 1 [1 - **1** - **1**].
Royal Natal National Park: 1 November 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 November 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 November 1992: ?: Collector Unknown: DNSM: 2 [2 - **2** - **4**].
Rudyard Cottage: 16 June 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Rundie Olds: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Rustenberg, 3 km E: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Rustenburg: 2 May 1972: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Rustenburg Nature Reserve: 28 April 1996: Newbery, C.: TM: 1 [1 - **1** - **1**].
Rynie Park: 1 January 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 18 October 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 19 October 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 24 October 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 10 November 1979: Sowler, S.G.: ZMA: 2 [2 - **2**] - 12 November 1979: Sowler, S.G.: ZMA: 2 [2 - **2**] - 26 November 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 8 December 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 11 December 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 15 December 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 9 January 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 12 January 1980: Sowler, S.G.: ZMA: 2 [2 - **2**] - 17 January 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 11 February 1980: Sowler, S.G.: ZMA: 4 [4 - **4**] - 21 February 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 26 March 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 28 March 1980: Sowler, S.G.: ZMA: 4 [4 - **4**] - 15 April 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 28 April 1980: Sowler, S.G.: ZMA: 3 [3 - **3**] - 29 April 1980: Sowler, S.G.: ZMA: 3 [3 - **3**] - 6 May 1980: Sowler, S.G.: ZMA: 2 [2 - **2**] - 19 May 1980: Sowler, S.G.: ZMA: 4 [4 - **4**] - 23 June 1980: Sowler, S.G.: ZMA: 4 [4 - **4**] - 24 June 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 30 June 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 10 July 1980: Sowler, S.G.: ZMA: 3 [3 - **3**] - 28 July 1980: Sowler, S.G.: ZMA: 4 [4 - **4**] - 18 August 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 27 August 1980: Sowler, S.G.: ZMA: 2 [2 - **2**] - 28 August 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 11 September 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 20 September 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 23 September 1980: Sowler, S.G.: ZMA: 5 [5 - **5**] - 24 September 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 28 October 1980: Sowler, S.G.: ZMA: 6 [6 - **6**] - 10 November 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 24 November 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 27 November 1980:

Sowler, S.G.: ZMA: 2 [2 - **2**] - 10 December 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 22 December 1980: Sowler, S.G.: ZMA: 3 [3 - **3**] - 28 December 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 8 January 1981: Sowler, S.G.: ZMA: 3 [3 - **3**] - 9 January 1981: Sowler, S.G.: ZMA: 2 [2 - **2**] - 16 January 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 20 January 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 12 February 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 14 March 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 30 April 1981: Sowler, S.G.: ZMA: 2 [2 - **2**] - 11 May 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 4 June 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 10 June 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 17 June 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 20 June 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 24 June 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 27 June 1981: Sowler, S.G.: ZMA: 2 [2 - **2**] - 20 July 1981: Sowler, S.G.: ZMA: 2 [2 - **2**] - 13 August 1981: Sowler, S.G.: ZMA: 4 [4 - **4**] - 17 August 1981: Sowler, S.G.: ZMA: 1 [1 - **1**] - 24 August 1981: Sowler, S.G.: ZMA: 1 [1 - **1** - **106**].

S A Lombaard Nature reserve: 21 March 1993: Newbery, C.: TM: 1 [1 - **1** - **1**].

Saasveld Forestry College: 12 July 1978: Breytenbach, J.: TM: 1 [1 - **1**] - 9 October 1979: de Kock, P.W.: TM: 10 [10 - **10** - **11**].

Saasveld Forestry Research Station: 18 November 1979: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Sabi & White Sands rivers confluence: 14 January 1996: Rosevear, Donovan Reginald: DNSM: 1 [1 - **1** - **1**].

Sabie: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 30 March 1908: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].

Sabie Forest Rest Area: 31 March 2001: Constantine, Denny G.: MVZ: 2 [2 - **2**] - 26 May 2001: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].

Sabie river bank: 20 January 1990: ?: Collector Unknown: TM: 1 [1 - **1**] - 20 January 1991: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - 21 January 1991: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2** - **7**].

Sabie River, Lower: 16 July 1967: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].

Sabie River, north bank: 5 February 1988: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **6**] - 10 February 1988: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **5** - **11**].

Saldanha Bay: 15 November 1917: Roberts, Austin; Adendorff: TM: 3 [3 - **3** - **3**].

Sanbonani: 17 January 1996: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Sandile's Cave: 16 September 1983: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **6**] - 10 November 1988: Wingate, Lloyd R.: TM: 4 [4 - **4** - **10**].

Sandile's Rest Trout and Forest Country Estate: 7 April 2016: Richards, Leigh R.: DNSM: 1 [1 - **1** - **1**].

Sandrivierbrug: 7 February 2000: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Sarnia: 28 April 1976: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 June 1976: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 March 2010: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Sarnia road, 28: 22 January 1996: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Satara Rest Camp: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2]; Pienaar, Uys de Villiers; O.P.: KNP: 1 [1 - **3**] - 20 December 1959: Pienaar, Uys de Villiers; O.P.: KNP: 1 [1 - **1**] - 25 March 1960: G.M.A.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1**] - 12 August 1979: Whitfield, T.: TM: 1 [1 - **1**] - 26 January 1988: Koopman, Karl Friedrich: AMNH: 6 [6 - **6**] - 30 January 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 1 February 1988: ?: Collector Unknown: TM: 2 [2 - **2**] - 2 February 1988: ?: Collector Unknown: TM: 10 [10 - **10**] - 6 February 1988: Koopman, Karl Friedrich: AMNH: 4 [4 - **4**] - 8 February 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1** - **30**].

Satara Rustkamp: 4 April 1961: Engel, H.C.: ZMA: 2 [2 - **2** - **2**].

Schaapplaats, Farm 930: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 5 September 1988: ?: Collector Unknown: NMB: 1 [1 - **1**] - 6 September 1988: ?: Collector Unknown: NMB: 5 [5 - **5** - **7**].

Schaapsplaats: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Schoemans farm "Laughing Waters": 26 March 2001: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Schurueberg [=Schurweberg] Cave No.1: 15 October 1977: ?: Collector Unknown: BRTC: 4 [4 - **4** - **4**].

Schurweberg: 14 June 1917: ?: Collector Unknown: TM: 5 [5 - **5**] - 11 October 1978: Kramer, H.H.: TM: 1 [1 - **1** - **6**].

Schurweberg caves: 20 January 1975: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Schutse Kama, Riet R: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Scottburgh: Collection Date Unknown: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 20 September 1959: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 20 April 1960: ?: Collector Unknown: DNSM: 9 [9 - **9**] - 8 February 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 9 February 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 13 March 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 20 March 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 November 2009: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 June 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 February 2011: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 11 May 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **22**].

Scottburgh area: 16 August 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Scottsburgh Golf Course: 10 March 1986: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Scottsville: 23 February 1981: Bernard, Ric T.F.: TM: 1 [1 - **1** - **1**].

SE Elandsbaai, Farm Groote Drift: Collection Date Unknown: ?: Collector Unknown: KM: 6 [6 - **6** - **6**].

Sea View, Durban: 16 April 1994: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 28 July 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 2004: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].

Seaview: 12 June 1996: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Senekal: 4 February 1980: ?: Collector Unknown: NMB: 1 [1 - **1**] - 4 February 1981: ?: Collector Unknown: NMB: 3 [3 - **3**] - 21 October 1981: ?: Collector Unknown: NMB: 2 [2 - **2** - **6**].

Sezela: 18 June 1995: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 7 [7 - **7** - **7**].

Sezela Tunnel: 10 September 1995: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Shannon: 26 June 1985: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Shannon, Nassau str. 91: 15 November 1979: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Shashanga windmill: 22 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 1 [1 - **1**] - 23 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 23 [23]; Schlitter, Duane Albert: CM: 15 [15 - **38** - **39**].

Shashi-Limpopo River confluence: Collection Date Unknown: : TM: 1 [1 - **1**] - 6 June 1994: TPA Nature Conservation: TM: 1 [1 - **1**] - 8 June 1994: Herholdt, K.: TM: 3 [3]; TPA Nature Conservation: TM: 2 [2 - **5** - **7**].

Sheila No. 10: 3 July 1931: White, A.G.: TM: 1 [1 - **1**] - 6 July 1931: White, A.G.: TM: 1 [1 - **1** - **2**].

Shepston Nature Reserve: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Shepstone Nature Reserve: 6 November 1991: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].

Shepstone, 48 km NE: 2 December 1975: Robbins, Lynn W.: CM: 2 [2 - **2** - **2**].

Shihangwane: 1 February 1976: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Shilouwan: 1 January 1903: Junod: MHNG: 1 [1 - **1** - **1**].
Shingomeni Out Post: 14 March 1979: Zway, P.: KNP: 2 [2 - **2** - **2**].
Shingwedzi: 5 October 1959: Fairall, N.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].
Shingwedzi camp: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5 - **5**] - 23 December 1918: Streeter, F.: TM: 1 [1 - **1**] - 6 February 1919: Streeter, F.: TM: 1 [1 - **1**] - 10 November 1959: Pienaar, Uys de Villiers: KNP: 2 [2 - **2**] - 20 January 1985: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **10**].
Shingwidzi Game Reserve: 23 December 1918: Streeter, F.: TM: 1 [1 - **1** - **1**].
Shirombe pan: 15 September 1979: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Shongweni Dam: 13 September 1987: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 26 October 1991: ?: Collector Unknown: DNSM: 4 [4 - **4**] - 9 December 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 December 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 December 1992: ?: Collector Unknown: DNSM: 4 [4 - **4**] - 13 December 1993: ?: Collector Unknown: DNSM: 7 [7 - **7**] - 22 January 1994: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 3 April 1994: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 23 April 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 February 1995: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 30 August 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 October 1997: ?: Collector Unknown: DNSM: 5 [5 - **5**] - 27 November 1997: ?: Collector Unknown: DNSM: 9 [9 - **9**] - 10 October 1999: ?: Collector Unknown: DNSM: 8 [8 - **8**] - 29 June 2000: ?: Collector Unknown: DNSM: 5 [5 - **5**] - 17 November 2000: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 December 2001: ?: Collector Unknown: DNSM: 5 [5 - **5**] - 2 May 2004: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 February 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 April 2009: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 December 2009: ?: Collector Unknown: DNSM: 11 [11 - **11** - **75**].
Shongweni Polo Club: 28 June 1989: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Shongweni Resources Reserve: 22 January 1994: Taylor, Peter John: DNSM: 3 [3 - **3** - **3**].
Shore Nature Reserve: 12 December 1980: Bourquin, O.: TM: 1 [1 - **1** - **1**].
Shore Nature Reserve, NE: 11 December 1980: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Shoshanguve: 25 September 2002: Mochaki, Stephina: TM: 1 [1 - **1** - **1**].
Sibasa: 12 July 1935: White, A.G.: TM: 16 [16 - **16** - **16**].
Sibaya: Collection Date Unknown: Cooper, R.: TM: 2 [2 - **2** - **2**].
Sibengu Lodge: 20 January 2008: ?: Collector Unknown: DNSM: 2 [2]; Rautenbach, Anita: FMNH: 1 [1 - **3** - **3**].
Sikangwana: 5 December 1935: Bell-Marley, H.W.: TM: 1 [1 - **1** - **1**].
Silverglen Nature Reserve: 28 October 1995: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Simonstown: 1 December 1963: Visser, John: AMNH: 1 [1 - **1** - **1**].
Simuwana: Collection Date Unknown: Schlitter, Duane Albert: CM: 1 [1 - **1** - **1**].
Sinoville: 4 December 1989: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Skoenmakerskop: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 24 January 1995: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Skukuza: Collection Date Unknown: : SNP: 1 [1 - **1**] - 5 September 1958: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1**] - 2 July 1959: Pienaar, Uys de Villiers; Brynard, A.M.; Stegmann, D.O.: KNP: 1 [1 - **1**] - 24 July 1959: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 1 [1 - **1**] - 13 December 1960: Pienaar, Uys de Villiers: KNP: 4 [4 - **4**] - 21 April 1961: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - 22 April 1961: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - 13 March 1962: Stegmann, D.O.: KNP: 2 [2 - **2**] - 19 February 1971: Marais, Hannes: KNP: 1 [1 - **1**] - 18 March 1971: Marais, Hannes: KNP: 1 [1 - **1**] - 18 January 1972: Pienaar, Uys de Villiers: KNP: 1 [1 - **1**] - 29 November 1978: Pretorius, B.: KNP: 1 [1 - **1**] - 9 March 1979: Pienaar, Uys de Villiers: KNP: 1 [1 - **1**] - 15 March 1979: Massyn, William: KNP: 1 [1 - **1**] - 14 July 1979: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **7**] - 15 July 1979: ?: Collector Unknown: TM: 7 [7]; Rautenbach, Ignatius Lourens [=Naas]: TM: 6 [6 - **13**] - 15 March 1982: Espie, Ian W.: KNP: 1 [1 - **1**] - 6 October 1983: ?: Collector Unknown: TM: 9 [9 - **9**] - 22 October 1983: ?: Collector Unknown: TM: 12 [12 - **12**] - 22 January 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 1 February 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 6 February 1988: Koopman, Karl Friedrich: AMNH: 1 [1 - **1**] - 7 February 1988: Koopman, Karl Friedrich: AMNH: 9 [9 - **9**] - 10 February 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2**] - 1 September 1988: Matsie, F.: KNP: 1 [1 - **1**] - 15 December 1988: McDulling, M.: KNP: 1 [1 - **1**] - 8 January 1991: Venter, F.: KNP: 1 [1 - **1**] - 19 January 1991: ?: Collector Unknown: TM: 6 [6 - **6**] - 5 December 1991: Strydom, G.: KNP: 1 [1 - **1**] - 17 March 1992: ?: Collector Unknown: TM: 3 [3 - **3**] - 8 July 1992: Misselhorn, R.: KNP: 1 [1 - **1**] - 25 February 1993: Pfleiderer, M.: KNP: 1 [1 - **1** - **89**].
Skukuza Camp: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Skukuza camp, Sabie River: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Skukuza Koppies: 9 May 1959: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 1 [1 - **1**] - 15 May 1959: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 3 [3 - **3**] - 21 April 1961: ?: Collector Unknown: TM: 1 [1]; Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **2**] - 23 April 1961: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 5 [5 - **5** - **11**].
Skukuza lab buildings: 5 October 1983: ?: Collector Unknown: TM: 10 [10 - **10**] - 6 October 1983: ?: Collector Unknown: TM: 11 [11 - **11**] - 27 November 1983: ?: Collector Unknown: TM: 7 [7 - **7**] - 28 December 1983: ?: Collector Unknown: TM: 4 [4 - **4**] - 25 January 1984: ?: Collector Unknown: TM: 10 [10 - **10**] - 28 February 1984: ?: Collector Unknown: TM: 10 [10 - **10**] - 31 March 1984: ?: Collector Unknown: TM: 8 [8 - **8**] - 25 April 1984: ?: Collector Unknown: TM: 8 [8 - **8**] - 28 April 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 5 June 1984: ?: Collector Unknown: TM: 12 [12 - **12**] - 4 September 1984: ?: Collector Unknown: TM: 10 [10 - **10**] - 30 September 1984: ?: Collector Unknown: TM: 7 [7 - **7**] - 2 November 1984: ?: Collector Unknown: TM: 9 [9 - **9**] - 4 December 1984: ?: Collector Unknown: TM: 4 [4 - **4**] - 28 February 1985: ?: Collector Unknown: TM: 1 [1 - **1**] - 3 December 1985: ?: Collector Unknown: TM: 13 [13 - **13**] - 19 January 1991: ?: Collector Unknown: TM: 1 [1 - **1** - **126**].
Skukuza River Bank Rondawels: 16 August 1958: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1** - **1**].
Skukuza Staff Picnic site: 13 March 1992: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **4** - **4**].
Skukuza staff village: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 2 April 1959: Pienaar, Uys de Villiers; Stegmann, D.O.: KNP: 1 [1 - **1**] - 1 September 1959: Pienaar, Uys de Villiers; Brynard, A.M.; M.O.S.: KNP: 3 [3 - **3**] - 14 February 1988: Bronner, Gary Neil: TM: 1 [1 - **1**] - 16 April 1991: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3** - **10**].
Skukuza Town: 26 July 1984: ?: Collector Unknown: TM: 12 [12 - **12**] - 4 September 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 December 1985: ?: Collector Unknown: TM: 14 [14 - **14**] - 24 July 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **28**].

Skukuza Village: 25 February 1959: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1**] - 23 June 1984: ?: Collector Unknown: TM: 7 [7 - **7**] - 25 June 1988: ?: Collector Unknown: TM: 13 [13 - **13**] - 24 July 1988: ?: Collector Unknown: TM: 7 [7 - **7** - **28**].
Skukuza, 1.5 km NW: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1]; Bronner, Gary Neil: TM: 1 [1 - **2**] - 13 February 1988: ?: Collector Unknown: TM: 3 [3]; Bronner, Gary Neil: TM: 6 [6 - **9** - **11**].
Skukuza, 7 km E: 6 March 1992: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Skukuza, dam at golf course: 15 July 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Skurweberg cave: 13 September 1956: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - 13 November 1956: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 10 [10 - **10**] - 16 November 1956: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - 12 January 1957: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - 14 January 1957: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - 27 July 1957: Copley, A.: TM: 2 [2 - **2**] - 31 August 1957: Harnold, Copley; Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - 1 September 1957: Arnold, H.; *et al.*: TM: 1 [1 - **1**] - 17 February 1958: Copley, R.B.: TM: 1 [1 - **1**] - 12 January 1959: Meester, Jurgens Anthonie Janse [=Waldo]: TM: 1 [1 - **1**] - 17 May 1961: Meester, Jurgens Anthonie Janse [=Waldo]; Coetzee, C.G.: TM: 1 [1 - **1** - **21**].
Smithfield: Collection Date Unknown: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Sobhengu Lodge: 11 January 2000: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Sodwana Bay Estuary: 23 February 2005: : DNSM: 1 [1 - **1** - **1**].
Soekmekaar, Groenbult: 28 June 1993: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Soetfontein Cave: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1**] - 1 March 2010: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].
Somerset East: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].
Somkele: Collection Date Unknown: Schuck, V.: USNM: 1 [1 - **1** - **1**].
Songimvelo Nature Reserve: 22 November 1989: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
South Africa: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
South Cave, 5 km East of Metsi Metsi Windmill, on N'Waswitsontso river: 13 June 1983: Espie, Ian W.; Braack, L.E.O.: KNP: 1 [1 - **1**] - 16 June 1983: Espie, Ian W.; Braack, L.E.O.: KNP: 3 [3 - **3** - **4**].
Soutpansberg: Collection Date Unknown: : KM: 2 [2]; Jameson, E.: BMNH: 2 [2 - **4**] - 6 January 1922: ?: Collector Unknown: TM: 1 [1 - **1**] - 6 August 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].
Soutpansberg [= Zoutpansberg],Entabeni State Forest: 28 March 1976: Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: TM: 1 [1 - **1** - **1**].
Spioenkop Dam: 14 February 1990: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Spioenkop Dam, Mabamnyama Staff House: 13 July 1986: Chinner, M.J.: TM: 1 [1 - **1** - **1**].
Spioenkop Nature Reserve: 6 September 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 14 February 1990: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 February 1990: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 April 1995: ?: Collector Unknown: DNSM: 2 [2 - **2** - **5**].
Spionkop Lodge: 17 March 2000: Taylor, Peter John: DNSM: 4 [4 - **4** - **4**].
Spring Grove: 10 June 1964: ?: Collector Unknown: NM: 1 [1 - **1**] - 22 September 1964: ?: Collector Unknown: NM: 1 [1 - **1**] - 6 October 1964: ?: Collector Unknown: NM: 1 [1]; Wing: NM: 1 [1 - **2** - **4**].
Springbok, 10 km: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Springbok, 14 km N, 44 km W: 22 September 1978: Visser, John: KM: 1 [1 - **1** - **1**].
Springbok, 14 km W: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Springbok, 7 mi W: 8 December 1963: Risser, A.C.: USNM: 4 [4 - **4**] - 12 December 1963: Risser, A.C.: USNM: 1 [1 - **1** - **5**].
Sprinkbok, near: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
St Lucia Estuary, 8 mi N: 7 July 1974: LaVal, Richard K.: KU: 2 [2 - **2** - **2**].
St. George's Park: 29 August 1947: Larson, Thomas ("Tom"): MVZ: 3 [3 - **3**] - 1 September 1947: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **4**].
St. Lucia: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 12 April 1967: Mumford, Russell E.: ROM: 1 [1 - **1**] - 2 November 1974: LaVal, Margareth L.: KU: 1 [1]; LaVal, Richard K.: KU: 1 [1 - **2**] - 28 April 1979: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 June 1979: Sowler, S.G.: ZMA: 2 [2 - **2**] - 4 December 1983: ?: Collector Unknown: TM: 1 [1 - **1**] - 13 February 1984: ?: Collector Unknown: TM: 2 [2 - **2**] - 20 February 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 23 August 1987: ?: Collector Unknown: TM: 1 [1 - **1**] - 4 December 1987: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 February 1989: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 May 1990: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 May 1990: ?: Collector Unknown: DNSM: 4 [4 - **4**] - 30 November 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 May 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 November 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 December 1998: ?: Collector Unknown: DNSM: 3 [3 - **3** - **25**].
St. Lucia Crocodile centre: 26 February 1987: Buckle, J.: TM: 1 [1 - **1** - **1**].
St. Lucia Estuary: 1 April 1987: McLean, S.: TM: 1 [1 - **1** - **1**].
St. Lucia Forest Station: 1 July 1992: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
St. Lucia Lake, eastern shores: 30 January 1985: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
St. Lucia Village: 13 February 1984: ?: Collector Unknown: TM: 1 [1 - **1**] - 4 January 1986: ?: Collector Unknown: TM: 1 [1 - **1**] - 20 July 1986: McLean, S.: TM: 1 [1 - **1**] - 3 January 1988: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 January 1988: ?: Collector Unknown: TM: 2 [2 - **2** - **6**].
St.Lucia: 9 December 1980: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Stainbank Nature Reserve: 20 May 1996: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 3 [3 - **3** - **3**].
Stainbank NR: 26 March 1982: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Stan Hope Mine: 15 May 2005: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 17 July 2012: ?: Collector Unknown: DNSM: 11 [11 - **11**] - 16 October 2012: ?: Collector Unknown: DNSM: 14 [14 - **14** - **28**].
Stangene Dam: 16 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 2 [2 - **2** - **2**].
Steenkampskraal Mine: 24 November 1995: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].
Steinkopf: 4 April 1898: Schlechter, Max: SAMC: 1 [1 - **1** - **1**].
Stellenbosch: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1**] - 1 June 1975: Visser, John: AMNH: 2 [2 - **2** - **3**].
Stellenbosch Flats: 20 June 1951: : SMF: 2 [2 - **2** - **2**].
Sterkfontein caves: Collection Date Unknown: Brain, C.K.: TM: 3 [3 - **3**] - 25 June 1947: Robinson, A.: TM: 1 [1 - **1**] - 4 August 1949: ?: Collector Unknown: TM: 1 [1]; Lundholm, B.: TM: 4 [4 - **5**] - 11 May 1952: Maseko, S.: TM: 1 [1 - **1**] - 9 October

1956: Brain, C.K.: TM: 1 [1 - **1**] - 24 July 1957: ?: Collector Unknown: TM: 1 [1 - **1**] - 28 August 1971: ?: Collector Unknown: TM: 6 [6 - **6** - **18**].

Sterkfontein Dam: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 January 1990: ?: Collector Unknown: NMB: 1 [1 - **1** - **2**].

Sterkfontein Dam Nature Reserve: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Sterkspruit 33 JT Farm: 6 May 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Sterkstroom: 31 July 1986: ?: Collector Unknown: NMB: 2 [2 - **2** - **2**].

Steyerskraal: Collection Date Unknown: Herselman, J.C.; Norton, Peter M.: KM: 3 [3 - **3** - **3**].

Steynsburg: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Steynsdorp: 20 May 1915: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Stilbaai: Collection Date Unknown: ?: Collector Unknown: TM: 7 [7 - **7** - **7**].

Stillbaai: 9 November 1940: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Stockenstrom: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].

Stokenstrom: 6 November 1953: Arends, Nicholas P.: AMNH: 1 [1 - **1** - **1**].

Stoltzneck dam: 11 July 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].

Stoltzneck Ranger's Post: 10 July 1979: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Stoltznek Dam: 11 July 1979: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Stolzenfels, Orange R: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 19 January 1969: Graupner, O.F.: USNM: 2 [2 - **2** - **3**].

Stolznek house: 20 June 1980: Visser, John: TM: 2 [2 - **2** - **2**].

Storms R Gorge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Stormsriver State Forest Station: 15 February 1975: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 16 January 1979: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 February 1979: Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: TM: 6 [6 - **6**] - 16 February 1979: Rautenbach, Ignatius Lourens [=Naas]; de Jager, J.G.: TM: 7 [7 - **7** - **15**].

Stutterheim: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].

Stutterheim, W: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Sudwala Cave: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 28 August 1989: Estebeth, M.: TM: 1 [1 - **1**] - 29 April 1990: Estebeth, M.: TM: 1 [1 - **1**] - 6 May 1990: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 December 2002: Schoeman, M. Corrie; *et al.*: TM: 2 [2 - **2** - **6**].

Sudwala Mine 2: 12 October 2003: Schoeman, M. Corrie; Seamark, Ernest Charles James: TM: 3 [3 - **3** - **3**].

Sudwala Mines: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 26 September 2009: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].

Sugar Research Association Estate: 9 April 1998: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].

Sugarloaf Camp Site: 24 April 2006: Jacobs, David S.: TM: 1 [1 - **1** - **1**].

Suikerbosrand [=Suikerboschrand] Nature Reserve: 13 March 1990: de Beer, T.: TM: 1 [1 - **1**] - 16 September 1994: West, Sean D.: TM: 1 [1 - **1**] - 23 April 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 November 2001: Peinke, Dean M.: TM: 1 [1 - **1** - **4**].

Sunnyside: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin: TM: 1 [1 - **2**] - 19 December 1958: ?: Collector Unknown: TM: 1 [1 - **1**] - 14 May 1962: ?: Collector Unknown: TM: 1 [1 - **1** - **4**].

Sunnyside, 34 Palmcourt South: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Sunnyside, DeKock Street: 12 August 1994: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Swellidam: Collection Date Unknown: Smith, A.: BMNH: 1 [1 - **1** - **1**].

Sycamore Station: 22 December 1927: Bedford, J.A.H.: TM: 1 [1 - **1** - **1**].

Table Farm Cave: 7 December 2009: ?: Collector Unknown: DNSM: 20 [20 - **20** - **20**].

Table Farm, Salerm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Table Mountain, Platteklip: Collection Date Unknown: Howes, C.: SAMC: 1 [1 - **1** - **1**].

Table Mountain, Wynberg cave: 5 August 1956: Grindley, J.: TM: 1 [1]; Grindly, J.R.: TM: 2 [2 - **3** - **3**].

Tafelberg: 1 January 1961: : SMF: 6 [6 - **6** - **6**].

Tambotieskloof, Farm 601: 1 July 1974: Prozesky, O.P.M.: TM: 1 [1 - **1** - **1**].

Tankwa Karoo NP, near: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Tarkastad, 13 km S: 17 July 1974: ?: Collector Unknown: TM: 19 [19 - **19** - **19**].

Taung: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 26 May 1984: James, D.K.: ZMA: 2 [2 - **2**] - 27 May 1984: James, D.K.: ZMA: 4 [4 - **4**] - 10 April 1985: James, D.K.: ZMA: 3 [3 - **3**] - 19 April 1985: James, D.K.: ZMA: 3 [3 - **3**] - 23 April 1985: James, D.K.: ZMA: 1 [1 - **1**] - 6 May 1985: James, D.K.: ZMA: 1 [1 - **1**] - 23 May 1985: James, D.K.: ZMA: 1 [1 - **1**] - 15 December 2007: ?: Collector Unknown: TM: 2 [2 - **2** - **18**].

Taung World Heritage Site: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 14 December 2007: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 December 2007: ?: Collector Unknown: TM: 5 [5 - **5** - **7**].

Telperion Nature Reserve: 1 January 2014: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].

Tembe Elephant Park: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **3**] - 10 April 1995: ?: Collector Unknown: TM: 2 [2 - **2**] - 1 October 1995: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 4 [4 - **4** - **9**].

Tembe Elephant Park, east of HQ, pan: 24 March 2006: ?: Collector Unknown: DNSM: 7 [7 - **7** - **7**].

Tembe National Park: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6 - **6** - **6**].

Ten Bosch Estates: 9 November 1974: ?: Collector Unknown: TM: 3 [3]; Rautenbach, Ignatius Lourens [=Naas]: TM: 8 [8 - **11**] - 10 November 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 4 [4 - **4**] - 11 November 1974: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **2**] - 12 November 1974: ?: Collector Unknown: TM: 20 [20 - **20** - **37**].

Tha Banchu: Collection Date Unknown: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].

Thaba Nchu: 29 November 1979: ?: Collector Unknown: NMB: 5 [5 - **5** - **5**].

Thabaphaswa: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Thabazimbi: Collection Date Unknown: : TM: 1 [1 - **1** - **1**].

Thabazimbi, 16 mi SE [=Waterval Farm]: 22 April 1969: Graupner, O.F.: USNM: 38 [38 - **38** - **38**].

Thabazimbi, 20 km SE: 22 April 1969: Graupner, O.F.: USNM: 2 [2 - **2** - **2**].

Thabazimbi, 32 km W: 26 July 1971: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

The Cape: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

The Downs: 27 July 1973: Jacobsen, N.J.: TM: 1 [1 - **1**] - 28 July 1973: Jacobsen, N.J.: TM: 1 [1 - **1**] - 1 June 1975: Jacobsen, N.J.: TM: 1 [1 - **1**] - 29 April 1977: ?: Collector Unknown: TM: 2 [2 - **2**] - 1 May 1977: ?: Collector Unknown: TM: 1 [1 - **1**] - 4 May 1977: ?: Collector Unknown: TM: 9 [9]; Ginn, P.J.G.: TM: 1 [1 - **10** - **16**].
Thomeng: 5 July 1985: James, D.K.: ZMA: 1 [1 - **1** - **1**].
Thornhill Farm 171 JU, Figaro mine: 15 February 1988: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 9 [9 - **13** - **13**].
Three Rivers,11 Spey Drive: 27 December 1992: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tierkloof: Collection Date Unknown: Barry, Thomas H.: SAMC: 2 [2 - **2** - **2**].
Tierkloof, Bushcamp: Collection Date Unknown: Olivier, Z.; Barry, Thomas H.: SAMC: 2 [2 - **2** - **2**].
Timbavati: 10 August 2002: Hood, David: TM: 1 [1 - **1**] - 10 September 2002: Hood, David: TM: 1 [1 - **1** - **2**].
Todcaster: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Tongaat: 1 August 1995: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Town Bush: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1]; : KM: 2 [2 - **3**] - 23 July 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 January 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].
Town Bush Valley cave: 27 January 1951: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Town Bush Valley, Town Bush Cave: 17 May 1972: Wingate, Lloyd R.: TM: 3 [3 - **3**] - 6 February 1973: Wingate, Lloyd R.: AMNH: 7 [7 - **7**] - 24 February 1973: Wingate, Lloyd R.: AMNH: 1, TM: 4 [5 - **5**] - 6 November 1973: Wingate, Lloyd R.: TM: 5 [5 - **5**] - 24 November 1973: Wingate, Lloyd R.: TM: 6 [6 - **6**] - 23 January 1977: Bernard, Ric T.F.: AMNH: 2 [2 - **2**] - 22 March 1977: Bernard, Ric T.F.: AMNH: 1 [1 - **1**] - 1 August 1978: Wolhuter, David A.: TM: 1 [1 - **1**] - 28 February 1979: Wolhuter, David A.: TM: 1 [1 - **1**] - 3 May 1979: Wolhuter, David A.: TM: 2 [2 - **2**] - 11 September 1983: ?: Collector Unknown: TM: 7 [7]; Wolhuter, David A.; Cassidy, R.J.: TM: 17 [17 - **24** - **57**].
Townlands: 1 December 1934: Roberts, V.H.A.: CM: 1 [1 - **1** - **1**].
Townlands of Mathinus Wesselstroom: 21 February 2001: Cohen, Lientjie: TM: 1 [1 - **1** - **1**].
Transvaal: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, RMNH: 1 [2]; Breyer, H.G.: ZMA: 3 [3]; Distant, W.L.: BMNH: 1 [1 - **6** - **6**].
Transvaal Museum workshop: 7 June 1973: Transvaal Museum, The: TM: 1 [1 - **1**] - 1 April 1978: de Jager, J.G.: TM: 1 [1 - **1**] - 16 May 1991: Harding, M.: TM: 1 [1 - **1**] - 26 September 1995: Skea, K.: TM: 1 [1 - **1** - **4**].
Transvaal province: Collection Date Unknown: ?: Collector Unknown: CM: 1, MCZ: 1 [2]; Darlington, Philip Jackson: MCZ: 1 [1 - **3**] - 9 November 1910: ?: Collector Unknown: MCZ: 6 [6 - **6** - **9**].
Trichardstal: 15 April 1976: Visser, John: FMNH: 1 [1 - **1** - **1**].
Trompburg town: 4 April 1992: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
TSD Sugar Estate No.3 Section: 24 July 1970: White, A.G.: TM: 23 [23 - **23**] - 27 July 1970: White, A.G.: TM: 1 [1 - **1** - **24**].
Tshalungwa Fountain: 26 January 1984: ?: Collector Unknown: TM: 6 [6 - **6** - **6**].
Tshalungwa Fountain [=Shalungwafontein, Tshalungwafontein]: 16 May 1979: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 21 September 1979: Rautenbach, Ignatius Lourens [=Naas]; Schlitter, Duane Albert: TM: 10 [10 - **10**] - 26 January 1984: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; van der Merwe, Mac: TM: 6 [6 - **7** - **18**].
Tshaneni: 20 July 1972: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
Tshipise: 15 January 1967: Rautenbach, Ignatius Lourens [=Naas]: USNM: 4 [4]; Silberstein, A.R.: USNM: 9 [9 - **13** - **13**].
Tshipise, 1 mi NE: 7 January 1967: Silberstein, A.R.: USNM: 2 [2 - **2**] - 9 January 1967: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1]; Silberstein, A.R.: USNM: 1 [1 - **2**] - 10 January 1967: Rautenbach, Ignatius Lourens [=Naas]: USNM: 2 [2 - **2**] - 12 January 1967: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1]; Silberstein, A.R.: USNM: 2 [2 - **3**] - 15 January 1967: Rautenbach, Ignatius Lourens [=Naas]: USNM: 9 [9]; Silberstein, A.R.: USNM: 3 [3 - **12** - **21**].
Tshipise, 2 km NE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Tshokwane: 7 August 1959: Pienaar, Uys de Villiers; Brynard, A.M.; Kloppers, J.J.: KNP: 3 [3 - **3**] - 8 August 1959: Pienaar, Uys de Villiers; Brynard, A.M.; Kloppers, J.J.: KNP: 1 [1 - **1**] - 14 November 1959: Kloppers, J.J.: KNP: 1 [1 - **1**] - 17 December 1959: Kloppers, J.J.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **6**].
Tshokwane picnic spot, 12 km E: 10 February 1988: ?: Collector Unknown: TM: 1 [1]; Braack, L.E.O.: TM: 2 [2 - **3** - **3**].
Tshokwane, 10 km S: 4 May 1994: Green, R.: KNP: 1 [1 - **1** - **1**].
Tshokwani: 10 February 1988: Koopman, Karl Friedrich: AMNH: 2 [2 - **2** - **2**].
Tsitsikama-NP, 2 km S Stormsriver Mouth, Guono Cave: 17 November 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Tsitsikamma Guano cave: 4 December 1975: Spitzenberger, Frederike; Herzig, Barbara: NMW: 7 [7 - **7** - **7**].
Tswaing Crater: 25 November 2002: Maleka, Anna; Ndhlovu, Captain; Kearney, Teresa Catherine: TM: 1 [1 - **1**] - 25 November 2003: Maleka, Anna; Ndhlovu, Captain; Kearney, Teresa Catherine: TM: 2 [2 - **2** - **3**].
Tswaing Crater, reception area: 16 February 2004: Kearney, Teresa Catherine; Ndhlovu, Captain: TM: 1 [1 - **1** - **1**].
Tugela river: 27 November 1842: Wahlberg, Johan August: NRM: 1 [1 - **1**] - 27 November 1843: ?: Collector Unknown: NRM: 1 [1 - **1** - **2**].
Twee Rivieren: 30 April 1965: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tweespruit: 24 July 1917: Carlisle, J.S.: TM: 5 [5 - **5** - **5**].
Twin Streams: 18 October 1963: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 December 1963: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 September 1966: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 1980: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 December 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 June 1997: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **6**].
Tylden: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].
Tzaneen: 17 July 1907: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1**] - 23 January 1933: ?: Collector Unknown: TM: 2 [2 - **2**] - 31 January 1933: ?: Collector Unknown: TM: 2 [2 - **2** - **5**].
Tzaneen Estate: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 23 October 1907: ?: Collector Unknown: TM: 1 [1]; Tzaneen Estate, The: TM: 1 [1 - **2** - **3**].
Tzaneen Estates: 22 October 1907: Jameson: TM: 1 [1 - **1** - **1**].
Tzaneen Governamental Estate: Collection Date Unknown: Wilde, H.: TM: 1 [1 - **1**] - 2 January 1908: Jameson, Henry Paul William Lyster: TM: 1 [1 - **1** - **2**].
Tzaneen Government Estate: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Tzaneen, 6 mi [= 9.7 km] NE: 8 February 1967: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1 - **1** - **1**].
Ubombo: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Uitenhage: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Uitenhage district: 1 March 1939: Pringle, J.A.: HZM: 1 [1 - **1** - **1**].

Uitkomst, Farm 499: 19 January 1958: Meester, Jurgens Anthonie Janse [=Waldo]: SMF: 1 [1 - **1**] - 27 May 1961: Mumford, Russell E.: ROM: 1 [1 - **1**] - 2 November 1963: Cole, Ronald E.: USNM: 7 [7]; Risser, A.C.: USNM: 10 [10 - **17**] - 3 November 1963: Cole, Ronald E.: USNM: 10 [10]; Risser, A.C.: USNM: 9 [9 - **19**] - 4 November 1963: Cole, Ronald E.: USNM: 13 [13]; Risser, A.C.: USNM: 18 [18 - **31**] - 11 May 1967: Mumford, Russell E.: ROM: 8 [8]; Williams, John George: ROM: 1 [1 - **9**] - 22 June 1967: Mumford, Russell E.: FMNH: 1, ROM: 4 [5 - **5**] - 20 July 1967: Mumford, Russell E.: ROM: 2 [2 - **2**] - 27 July 1967: Mumford, Russell E.: ROM: 3 [3 - **3** - **88**].

Uitkyk en Paranie Private Nature Reserve: 8 July 1973: Dippenaar, Nicolaas Jacobus [=Nico]: TM: 7 [7 - **7** - **7**].

Umbilo: 26 July 1960: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 February 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 June 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 July 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 September 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 February 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 February 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 October 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 June 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 July 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 September 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 2004: : DNSM: 1 [1 - **1**] - 17 September 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 July 2012: ?: Collector Unknown: DNSM: 1 [1 - **1** - **14**].

Umbogontwini Nature Reserve: 30 November 2002: Taylor, Peter John: DNSM: 1 [1 - **1** - **1**].

Umbumbulu: 22 September 1974: Smith, Steven A.: TM: 1 [1 - **1** - **1**].

Umdloti: 4 April 2003: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 April 2003: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

Umdoni Caravan Park: 10 January 1975: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Umdoni Park: Collection Date Unknown: Wolhuter, David A.: TM: 3 [3 - **3**] - 27 June 1974: LaVal, Richard K.: KU: 1 [1 - **1**] - 28 June 1974: LaVal, Richard K.: KU: 1 [1 - **1**] - 17 July 1974: LaVal, Richard K.: KU: 1 [1 - **1**] - 18 July 1974: LaVal, Richard K.: KU: 2 [2 - **2**] - 25 August 1974: LaVal, Richard K.: KU: 2 [2 - **2**] - 27 September 1974: ?: Collector Unknown: TM: 2 [2 - **2**] - 23 October 1974: LaVal, Richard K.: KU: 2 [2 - **2**] - 15 November 1974: LaVal, Richard K.: KU: 1 [1 - **1**] - 21 November 1974: LaVal, Richard K.: KU: 2 [2 - **2**] - 22 November 1974: LaVal, Richard K.: TM: 1 [1 - **1**] - 10 January 1975: LaVal, Richard K.: KU: 1 [1 - **1**] - 11 January 1975: ?: Collector Unknown: TM: 1 [1 - **1**] - 6 March 1975: LaVal, Richard K.: KU: 1 [1 - **1**] - 18 April 1975: ?: Collector Unknown: TM: 1 [1 - **1**] - 6 June 1979: Wolhuter, David A.: TM: 2 [2 - **2** - **24**].

Umdoni, near: 23 November 1974: LaVal, Richard K.: KU: 1 [1 - **1** - **1**].

Umfolozi Game Reserve: 18 June 1922: ?: Collector Unknown: TM: 1 [1]; Roberts, Austin: TM: 1 [1 - **2**] - 19 June 1922: ?: Collector Unknown: TM: 1 [1 - **1**] - 20 June 1922: Roberts, Austin: TM: 2 [2 - **2**] - 28 June 1922: ?: Collector Unknown: TM: 1 [1 - **1**] - 7 June 1930: Vernay-Lang Kalahari Expedition 1930, The: TM: 1 [1 - **1** - **7**].

Umfolozi Nature Reserve: 19 September 1922: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Umfolozi River: 17 July 1922: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Umgababa: 16 August 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Umgeni Fish Hatchery: 14 June 1967: Mumford, Russell E.: ROM: 29 [29 - **29**] - 20 June 1967: Mumford, Russell E.: ROM: 1 [1 - **1**] - 30 August 1987: ?: Collector Unknown: TM: 1 [1 - **1**] - 21 February 1991: ?: Collector Unknown: DNSM: 1 [1 - **1** - **32**].

Umgeni Heights: 25 January 2006: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 31 July 2008: ?: Collector Unknown: DNSM: 2 [2 - **2** - **4**].

Umhalanga: 15 February 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Umhlanga Reserve: 13 February 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 24 May 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 November 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 2 December 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 February 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].

Umhlanga Rocks: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 January 1988: Jacobs, M.: TM: 1 [1 - **1**] - 10 May 1995: Taylor, Peter John; Kearney, Teresa Catherine: DNSM: 4 [4 - **4** - **6**].

Umhlatusi River: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Umhlumi: Collection Date Unknown: Roberts, Austin: TM: 1 [1 - **1** - **1**].

uMkhuze Game Reserve: 29 July 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 30 July 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 August 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 August 2006: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 22 August 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 July 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 July 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 July 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 July 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 July 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 August 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 August 2007: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 17 August 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 November 2007: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 27 November 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 January 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 22 January 2008: ?: Collector Unknown: DNSM: 7 [7 - **7**] - 8 July 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 July 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 July 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 August 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 December 2008: ?: Collector Unknown: DNSM: 5 [5 - **5**] - 12 December 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 December 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **39**].

Umkomaas: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3 - **3**] - 17 July 1917: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 November 1977: Sowler, S.G.: ZMA: 1 [1 - **1**] - 21 September 1978: Sowler, S.G.: ZMA: 1 [1 - **1**] - 29 March 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 18 April 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 13 July 1979: Sowler, S.G.: ZMA: 2 [2 - **2**] - 20 September 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 30 October 1979: Sowler, S.G.: ZMA: 1 [1 - **1**] - 9 January 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 19 January 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 19 May 1980: Sowler, S.G.: ZMA: 1 [1 - **1**] - 25 July 1982: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 1994: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 March 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 February 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 23 November 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 8 December 2009: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 April 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 June 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 18 July 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 July 2010: ?: Collector Unknown: DNSM: 1 [1 - **1** - **25**].

Umlalazi Nature Reserve: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 9 March 1994: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 14 June 1996: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 16 June 1996: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **2** - **6**].

Umpila Cave: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 July 2002: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].

Umtamvuna Gorge Nature Reserve: 18 June 1995: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 2 March 1996: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 2 [2 - **2**] - 22 March 1996:

Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 23 March 1996: Seamark, Ernest Charles James; Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **5**].

Umtata: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1]; : KM: 1 [1 - **2** - **2**].

Umtentwini: 19 November 2009: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Umteriumi: Collection Date Unknown: Schuck, V.: USNM: 1 [1 - **1** - **1**].

Umzigaba River mouth: Collection Date Unknown: Roberts, Austin: TM: 1 [1 - **1** - **1**].

Umzumbi Mission: 5 February 1926: Cowles, Raymond Bridgeman: AMNH: 2 [2 - **2**] - 15 February 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1**] - 25 February 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1]; Umzambi, M.S.: CUMV: 1 [1 - **2**] - 2 March 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1**] - 7 March 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1**] - 19 March 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1**] - 19 May 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1**] - 10 June 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1**] - 10 July 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1**] - 22 September 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1**] - 8 October 1926: Cowles, Raymond Bridgeman: AMNH: 1 [1 - **1** - **13**].

Umzumgwenya Nature Reserve: 2 April 1976: Espie, Ian W.: AMNH: 1, TTU: 1 [2 - **2** - **2**].

Underberg, Trout hatchery: 12 April 1959: Baddeley, M. St. C.: ROM: 1 [1 - **1**] - 23 March 1984: Alletson, J.: TM: 1 [1 - **1** - **2**].

Uniondale: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

University of Durban: 17 August 1998: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 16 February 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].

University of KwaZulu-Natal, Cato Manor: 27 August 1982: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

University of Natal: 19 July 1983: Richardson, E.J.: DNSM: 1 [1 - **1**] - 15 May 1995: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **2**].

University of Pretoria, Zoology Building: 10 April 1967: Workman: ROM: 1 [1 - **1** - **1**].

Unnamed locality: 1 January 1979: ?: Collector Unknown: ZMA: 2 [2 - **2** - **2**].

unspecieifed location: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].

Upington, 100 km NNE: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].

Upington, near: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Uvongo: Collection Date Unknown: Hayward, Bruce Joliffe: WNMU: 4 [4 - **4**] - 17 August 1971: Hayward, Bruce Joliffe: WNMU: 2 [2 - **2**] - 18 August 1971: Hayward, Bruce Joliffe: FMNH: 11 [11 - **11**] - 21 August 1971: Hayward, Bruce Joliffe: WNMU: 2 [2 - **2**] - 23 August 1971: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - 29 August 1971: Hayward, Bruce Joliffe: WNMU: 2 [2 - **2**] - 30 August 1971: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1**] - 31 August 1971: Hayward, Bruce Joliffe: WNMU: 2 [2 - **2** - **25**].

Uvongo Beach: 17 August 1971: Hayward, Bruce Joliffe: FMNH: 9 [9 - **9**] - 18 August 1971: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 21 August 1971: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 22 August 1971: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 23 August 1971: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - 27 August 1971: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 29 August 1971: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 30 August 1971: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 31 August 1971: Hayward, Bruce Joliffe: FMNH: 6 [6 - **6** - **30**].

Uvongo Beach, in Eucalyptus plantation: 17 August 1971: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].

Valhalla: 6 January 1971: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Van Reenen: 13 August 2001: Kemp, S.: DNSM: 1 [1 - **1** - **1**].

Van Rhynsdorp, 7 km SE: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].

Van Rhynsdorp, NE: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].

van Staaden River Pass, 26 mi W. Port Elizabeth: 26 April 1949: Larson, Thomas ("Tom"): AMNH: 2 [2 - **2** - **2**].

Van Wyksvlei: 31 August 1937: Barlow TM-Expedition, the: TM: 6 [6 - **6** - **6**].

Vellefontein 517 KQ: 29 November 2011: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 December 2013: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 2014: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].

Vendabind, on Levuvhu river: 21 February 1976: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].

Ventersburg: 28 January 1973: ?: Collector Unknown: NMB: 1 [1 - **1**] - 4 April 1973: ?: Collector Unknown: NMB: 4 [4 - **4**] - 7 January 1979: ?: Collector Unknown: NMB: 2 [2 - **2**] - 7 November 1979: ?: Collector Unknown: NMB: 3 [3 - **3** - **10**].

Venterskroon: 24 February 1909: Roberts, Austin: TM: 2 [2 - **2**] - 28 February 1917: Roberts, Austin: TM: 1 [1 - **1**] - 25 March 1917: Roberts, Austin: TM: 2 [2 - **2**] - 30 March 1917: ?: Collector Unknown: TM: 10 [10]; Roberts, Austin: TM: 5 [5 - **15**] - 30 March 1919: ?: Collector Unknown: TM: 2 [2 - **2**] - 18 September 1941: Roberts, Austin: TM: 1 [1 - **1**] - 7 October 1980: Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.: TM: 1 [1 - **1** - **24**].

Venterskroon, 1.8 km NW: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Venterskroon, 3 km NNE: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].

Veralum: 24 July 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

VerlorenValei NR: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Vernon Crookes Nature Reserve: 3 January 1977: ?: Collector Unknown: TM: 1 [1 - **1**] - 3 January 1978: ?: Collector Unknown: TM: 13 [13 - **13**] - 23 January 1978: ?: Collector Unknown: TM: 1 [1 - **1**] - 16 December 1981: ?: Collector Unknown: TM: 1 [1 - **1**] - 8 November 1998: Burne, Clayton: DNSM: 1 [1 - **1** - **17**].

Vernon Crooks Nature Reserve: 3 January 1977: Sowler, G.A.: TM: 1 [1 - **1**] - 2 January 1978: Sowler, G.A.: TM: 1 [1 - **1**] - 3 January 1978: Sowler, G.A.: TM: 18 [18 - **18**] - 4 January 1978: Sowler, G.A.: TM: 1 [1 - **1** - **21**].

Verwoerburg: 18 February 1982: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Verwoerdburg: 18 February 1982: Koekemoer, D.: TM: 1 [1 - **1** - **1**].

Verwoerdburg, suburban garden: 18 February 1982: Koekemoer, D.: TM: 1 [1 - **1** - **1**].

Vhembi,junction of Shashe and Limpopo: 15 May 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Victoria East: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Victoria West: Collection Date Unknown: : KM: 2 [2 - **2**] - 3 January 1975: Visser, John: AMNH: 2 [2 - **2**] - 26 February 1975: Visser, John: AMNH: 1 [1 - **1** - **5**].

Village Kosmos: 24 February 1973: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Voelklip, 7th Street: 30 April 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Vrede: 8 March 1981: ?: Collector Unknown: NMB: 2 [2 - **2**] - 17 August 1982: ?: Collector Unknown: NMB: 2 [2 - **2** - **4**].

Vrede Farm: 28 February 1948: Larson, Thomas ("Tom"): MVZ: 1 [1 - **1** - **1**].

Vredefort: 6 May 1981: ?: Collector Unknown: NMB: 1 [1 - **1**] - 17 August 1986: ?: Collector Unknown: NMB: 1 [1 - **1**] - 12 September 1986: ?: Collector Unknown: NMB: 1 [1 - **1**] - 17 September 1986: ?: Collector Unknown: NMB: 2 [2 - **2** - **5**].

Vredefort Dome World Heritage Site: 19 March 2007: Goodman, Steven M.: FMNH: 5 [5 - **5**] - 20 March 2007: Goodman, Steven M.: FMNH: 20 [20 - **20**] - 21 March 2007: Goodman, Steven M.: FMNH: 15 [15 - **15** - **40**].

Vredefort Road: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2** - **2**].
Vredefort town: 5 July 1983: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Vredendal: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Vrolijkheid Nature Reserve: Collection Date Unknown: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 14 March 1997: ?: Collector Unknown: DNSM: 4 [4 - **4** - **6**].
Vryburg: 23 July 1925: Roberts, Austin: TM: 1 [1 - **1**] - 23 July 1928: Roberts, Austin: TM: 5 [5 - **5** - **6**].
Vryheid Hill Nature Reserve: 15 February 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 June 2011: ?: Collector Unknown: DNSM: 4 [4 - **4** - **5**].
Vuma farm: 4 June 1995: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].
Vygeboom Dam: 29 July 2011: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
W.N.L.A. Garden, Pafuri: 13 February 1961: Pienaar, Uys de Villiers; Mockford, H.H.: KNP: 1 [1 - **1**] - 23 February 1961: Pienaar, Uys de Villiers; Mockford, H.H.: KNP: 2 [2 - **2**] - 1 December 1978: Mockford, H.H.; Nel, P.: KNP: 1 [1 - **1** - **4**].
Wakkerstroom: 15 March 1988: Jones, E.M.: TM: 1 [1]; Mothlasedi, S.: TM: 1 [1 - **2**] - 16 March 1988: Bronner, Gary Neil: TM: 1 [1 - **1**] - 17 March 1988: Jones, E.M.: TM: 1 [1 - **1** - **4**].
Walmer: 19 December 1965: Farrell, T.P.: HZM: 1 [1 - **1** - **1**].
Warden: 12 February 1990: ?: Collector Unknown: NMB: 5 [5 - **5** - **5**].
Wardens house: 21 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 5 [5 - **5**] - 22 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 3 [3 - **3**] - 24 September 1982: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **10**].
Warmbad: 19 March 1967: Mumford, Russell E.: ROM: 1 [1 - **1**] - 18 July 1967: Mendelsohn, J.: ROM: 1 [1 - **1**] - 19 July 1967: Mendelsohn, J.: ROM: 5 [5 - **5**] - 23 July 1967: Mendelsohn, J.: ROM: 1 [1 - **1** - **8**].
Warmbad, 2 mi E: 16 March 1967: ?: Collector Unknown: ROM: 1 [1 - **1**] - 19 March 1967: ?: Collector Unknown: ROM: 1 [1 - **1**] - 15 April 1967: ?: Collector Unknown: ROM: 1 [1]; Mumford, Russell E.: ROM: 1 [1 - **2**] - 16 April 1967: Mumford, Russell E.: ROM: 1 [1 - **1**] - 18 April 1967: ?: Collector Unknown: ROM: 1 [1 - **1**] - 5 May 1967: ?: Collector Unknown: ROM: 1 [1]; Mendelsohn, J.: ROM: 2 [2 - **3** - **9**].
Warmbad, 40 mi WNW: 3 June 1967: Mumford, Russell E.: ROM: 6 [6 - **6** - **6**].
Warmbaths: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Warmer Beach: 2 February 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Warner Beach: 14 August 1979: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 February 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Warner Beach area: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Warrenton, 47 km W: Collection Date Unknown: ?: Collector Unknown: MMK: 2 [2 - **2** - **2**].
Waterberg Game Farm: 3 February 2004: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 3 [3 - **3**] - 5 February 2004: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 1 [1 - **1** - **4**].
Waterberg Game Farm, at small man-made ponds within camp: 16 September 2001: Rosevear, Donovan Reginald: TM: 1 [1]; Seamark, Ernest Charles James: TM: 1 [1 - **2**] - 17 September 2001: Seamark, Ernest Charles James: TM: 3 [3 - **3**] - 19 September 2001: SANTI: TM: 1 [1 - **1**] - 3 February 2004: Seamark, Ernest Charles James; Kearney, Teresa Catherine: TM: 1 [1 - **1** - **7**].
Waterberg, Farm Dirleton 276, Brombeek 271/2: 11 January 1982: Ahlers, Mennie: TM: 2 [2 - **2** - **2**].
Waterberg, Farm Driefontein: 3 January 1971: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Waterberg, Farm Klipfontein 54JS: Collection Date Unknown: ?: Collector Unknown: TM: 15 [15 - **15**] - 2 December 1979: Peek, J.R.: TM: 1 [1 - **1**] - 3 December 1979: Peek, J.R.: TM: 2 [2 - **2**] - 9 December 1979: Peek, J.R.: TM: 2 [2 - **2**] - 12 December 1979: Peek, J.R.: TM: 3 [3 - **3**] - 29 October 1987: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]: TM: 11 [11 - **15**] - 2 December 1987: ?: Collector Unknown: TM: 1 [1]; van der Merwe, Mac: TM: 16 [16 - **17**] - 7 January 1988: van der Merwe, Mac: TM: 24 [24 - **24**] - 27 January 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1]; van der Merwe, Mac: TM: 6 [6]; van der Merwe, Mac; Jones, E.M.: TM: 1 [1 - **8**] - 28 January 1988: van der Merwe, Mac; Jones, E.M.: TM: 2 [2 - **2**] - 2 March 1988: Herholdt, E.M.; Weber, S.: TM: 1 [1 - **1**] - 28 March 1988: Bronner, Gary Neil; Gerrans, R.: TM: 17 [17 - **17**] - 25 April 1988: Weber, S.; Gerrans, R.: TM: 24 [24 - **24**] - 25 May 1988: Gerrans, R.; Weber, S.: TM: 4 [4]; Weber, S.; Gerrans, R.: TM: 6 [6 - **10**] - 28 June 1988: Gerrans, R.: TM: 1 [1 - **1**] - 30 July 1988: Bronner, Gary Neil; Weber; Gerrans, R.: TM: 1 [1 - **1**] - 31 July 1988: Bronner, Gary Neil; Weber; Gerrans, R.: TM: 23 [23 - **23**] - 23 August 1988: Bronner, Gary Neil: TM: 4 [4]; Bronner, Gary Neil; *et al.*: TM: 15 [15 - **19**] - 19 September 1988: Gerrans, R.; Weber, S.: TM: 4 [4]; Weber, S.; Gerrans, R.: TM: 3 [3 - **7**] - 2 November 1988: van der Merwe, Mac: TM: 14 [14 - **14**] - 2 March 1989: Herholdt, E.M.; Weber, S.: TM: 3 [3]; Weber, S.; Gerrans, R.: TM: 1 [1 - **4**] - 28 September 1989: ?: Collector Unknown: TM: 2 [2]; van der Merwe, Mac: TM: 47 [47 - **49**] - 12 March 1993: ?: Collector Unknown: TM: 1 [1 - **1**] - 3 March 2001: Cohen, Lientjie: TM: 1 [1 - **1** - **261**].
Waterberg, Farm Platbos: 15 October 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 16 October 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1**] - 18 October 1974: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **3**].
Waterberg, Lapalala Wilderness area: 26 February 1988: ?: Collector Unknown: TM: 1 [1]; Jones, E.M.; Pallett, J.: TM: 1 [1 - **2** - **2**].
Waterberg, Rooiberg: 29 December 1961: Copley, R.B.; Siegrist, Q.: ROM: 2 [2 - **2** - **2**].
Waterberg, Vaalwater: 23 March 1938: Venter, J.: TM: 1 [1 - **1** - **1**].
Waterberg, Waterberg Game Farm, Dassie Cave: 16 September 2001: Seamark, Ernest Charles James: TM: 1 [1 - **1**] - 18 September 2001: Seamark, Ernest Charles James: TM: 2 [2 - **2** - **3**].
Waterfall: 19 January 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 January 1996: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 May 2000: Ratcliffe, H.: HNHM: 1 [1 - **1**] - 25 May 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 September 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 November 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 June 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **7**].
Waterkloof: 9 March 1978: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Waterpoort: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
WCNP, Bottelary: 21 October 1989: ?: Collector Unknown: TM: 1 [1 - **1**] - 22 October 1989: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Weenen: 12 August 1927: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Weenen Nature Reserve: 2 June 1985: Mathias, L.: TM: 1 [1 - **1**] - 9 October 1985: Bourquin, O.: TM: 1 [1 - **1**] - 10 November 1992: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 November 1992: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
Weinek Farm: 7 December 1965: Liversedge, T.N.: USNM: 2 [2 - **2** - **2**].
Wentworth: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].

West Coast National Park, Geelbek: Collection Date Unknown: Joubert, P.: TM: 2 [2 - **2** - **2**].
West Driefontein caves: 27 April 1958: Copley, R.B.: TM: 1 [1 - **1** - **1**].
Westbrook: 20 October 1999: Dillion, C.: DNSM: 1 [1 - **1** - **1**].
Westmead: 8 February 1986: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 21 November 2000: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Weston Agricultural College: 19 January 1986: Bourquin, O.: TM: 1 [1 - **1** - **1**].
Westridge: 28 February 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 July 1997: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Westriding: 11 February 1998: Kearney, Teresa Catherine: DNSM: 2 [2 - **2**] - 14 February 1998: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 23 February 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
Westville: 30 December 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Westville: Collection Date Unknown: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 13 May 1979: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 January 1981: ?: Collector Unknown: DNSM: 2, TM: 7 [9]; Sowler, S.G.: TM: 4 [4 - **13**] - 30 January 1981: ?: Collector Unknown: TM: 1 [1]; Larsus, R.: TM: 11 [11 - **12**] - 1 September 1988: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 November 1988: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 March 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 13 May 1996: Richardson; Mari: DNSM: 1 [1 - **1**] - 30 January 1998: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 2 November 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 January 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 April 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 July 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 September 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 April 2009: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 March 2010: ?: Collector Unknown: DNSM: 1 [1 - **1** - **41**].
White River, 17 km W: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
White Umfolosi River: 17 July 1922: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Wildeharthoek: 18 June 1940: Heyneke, B.R.T.: TM: 1 [1 - **1** - **1**].
William's Town, S: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Williston, 45 km ENE: Collection Date Unknown: ?: Collector Unknown: MMK: 1 [1 - **1** - **1**].
Willowvale: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Wilro Park: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Winburg: 6 February 1996: ?: Collector Unknown: NMB: 3 [3 - **3**] - 8 October 1996: ?: Collector Unknown: NMB: 2 [2 - **2**] - 10 November 1996: ?: Collector Unknown: NMB: 2 [2 - **2** - **7**].
Winburg [Exelsior]: 18 November 1986: ?: Collector Unknown: NMB: 13 [13 - **13** - **13**].
Windermere: 12 January 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Winkelspruit: 7 August 2002: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 September 2003: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Witkhyk [=Uitkyk, Farm]: 30 January 1933: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Witrivier, 11 mi W: Collection Date Unknown: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1 - **1**] - 11 December 1966: Rautenbach, Ignatius Lourens [=Naas]: AMNH: 1 [1 - **1**] - 13 December 1966: Rautenbach, Ignatius Lourens [=Naas]: USNM: 1 [1]; Silberstein, A.R.: USNM: 1 [1 - **2** - **4**].
Witsand Dam: 4 June 1985: ?: Collector Unknown: TM: 8 [8 - **8** - **8**].
Witwater, 25 mi W: 20 October 1936: Shortridge, Guy Chester: MCZ: 4 [4 - **4** - **4**].
Witwatersberg, Farm Hekpoort: 12 September 1971: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Witwatersrand, Langlaagte: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
WNLA Dam: Collection Date Unknown: ?: Collector Unknown: TM: 5 [5 - **5**] - 1 February 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 14 [14 - **14**] - 2 February 1988: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **20**].
WNLA Garden, Crooks Corner: 30 January 1982: Rautenbach, Ignatius Lourens [=Naas]: KNP: 1 [1 - **1** - **1**].
Wodehouse: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Wolvegatten: 14 June 1917: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Wolwespruit Nature Reserve: 25 January 1995: West, Sean D.: TM: 1 [1 - **1** - **1**].
Wonderboom: Collection Date Unknown: Roberts, Austin: USNM: 1 [1 - **1**] - 7 February 1924: Roberts, Austin: TM: 2 [2 - **2**] - 31 July 1927: Lang, Herbert: FMNH: 1 [1 - **1** - **4**].
Wonderboom cave: 30 September 1906: Jameson, Henry Paul William Lyster: USNM: 2 [2 - **2**] - 29 June 1911: Roberts, Austin: FMNH: 1 [1 - **1**] - 29 June 1917: Roberts, Austin: TM: 2 [2 - **2**] - 11 June 1926: Roberts, Austin: LACM: 1 [1 - **1**] - 11 June 1929: Roberts, Austin: LACM: 1 [1 - **1** - **7**].
Wonderhoek se kloof: 27 November 1990: ?: Collector Unknown: NMB: 7 [7 - **7** - **7**].
Wonderkop Nature Reserve: 24 January 1994: West, Sean D.: TM: 1 [1 - **1**] - 25 January 1994: West, Sean D.: TM: 1 [1 - **1**] - 18 August 1994: Williams, J.: TM: 1 [1 - **1** - **3**].
Wondermine: 17 February 1998: Schoeman, M. Corrie; *et al.*: DNSM: 2 [2]; Seamark, Ernest Charles James: DNSM: 1 [1 - **3** - **3**].
Wonderwerk Cave: Collection Date Unknown: ?: Collector Unknown: MMK: 4 [4 - **4** - **4**].
Woodlands Herberts Hope: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Worcester Division: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].
Wynberg: Collection Date Unknown: Visser, John: TM: 1 [1 - **1** - **1**].
Wynberg cave: 5 August 1966: University of Cape Town, The: SAMC: 1 [1 - **1** - **1**].
Wynberg Hill: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].
Xanadu Farm: 10 January 2000: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Xhubuxnap: 14 December 1987: Erasmus, B.H.: MMK: 4 [4 - **4** - **4**].
Xingomeni: 2 August 1958: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1**] - 1 August 1959: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 1 [1 - **1**] - 2 August 1959: Pienaar, Uys de Villiers; Brynard, A.M.: KNP: 2 [2 - **2** - **4**].
Xingwedzi Rest Camp: 10 November 1959: Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].
Xinkelengane Stream: 22 September 1965: Espag, A.: KNP: 1 [1 - **1** - **1**].
Xirhombe Pan: 15 July 1979: Zway, P.: KNP: 4 [4 - **4** - **4**].
Xirimantanga: 24 August 1985: Braack, L.E.O.; Espie, Ian W.: KNP: 1 [1 - **1** - **1**].
Xitangeni Windmill: 12 August 1960: Fairall, N.; Pienaar, Uys de Villiers: KNP: 1 [1 - **1** - **1**].
Xixengendzini road: 8 June 1962: Kloppers, J.J.: KNP: 1 [1 - **1** - **1**].
Yellow Wood Park: Collection Date Unknown: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 1 January 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 November 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Yellowwood Park: 1 January 1996: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 8 September 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 November 1997: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 16 November 1997: ?: Collector Unknown: DNSM:

1 [1 - **1**] - 8 August 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 12 April 2008: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 April 2010: ?: Collector Unknown: DNSM: 1 [1 - **1** - **8**].
Yellowwood Park, Kenneth Stainbank Nature Reserve: 17 March 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Zastron: 14 April 1982: ?: Collector Unknown: NMB: 2 [2 - **2**] - 14 April 1987: ?: Collector Unknown: NMB: 42 [42 - **42**] - 25 July 1988: ?: Collector Unknown: NMB: 32 [32 - **32**] - 9 January 1990: ?: Collector Unknown: NMB: 1 [1 - **1**] - 27 June 1991: ?: Collector Unknown: NMB: 1 [1 - **1** - **78**].
Zastron Commonage: 26 September 1989: ?: Collector Unknown: NMB: 3 [3 - **3** - **3**].
Zastron Commons: 26 September 1989: ?: Collector Unknown: NMB: 1 [1 - **1** - **1**].
Zebedielo: 7 January 1958: Copley, R.B.: SMF: 1 [1 - **1** - **1**].
Zebedula: 6 January 1958: Copley, R.B.: TM: 1 [1 - **1** - **1**].
Ziqhumene: 10 July 1987: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Zoetendalsvlei: 26 October 1940: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Zoetvlei: 23 December 1931: Bradfield: TM: 1 [1 - **1** - **1**].
Zululand: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Zwartkop cave: 31 March 1969: Pretorius, J.J.L.: USNM: 1 [1 - **1**] - 21 August 1995: Bronner, Gary Neil: TM: 1 [1 - **1** - **2**].
Zwartkop Military Nature Reserve: 1 May 1991: Bronner, Gary Neil: TM: 2 [2 - **2** - **2**].
Zweiltsha: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Zwelitsha: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].
Zwolls Estate: 9 July 1921: James, M.C.: AMNH: 1 [1 - **1** - **1**].

Total Specimens for South Africa: 12575

South Sudan

0640N 2841E: 12 March 1973: ROM: 15 [15 - **15** - **15**].
Abu Doleb: 31 March 1910: Koenig, Alexander Ferdinand: ZFMK: 1 [1 - **1** - **1**].
Abukika: 24 February 1928: Brown, W.: USNM: 3 [3 - **3** - **3**].
Agok: 5 September 1982: Moritz, Laura J.: MSU: 8 [8 - **8**] - 5 October 1982: Moritz, Laura J.: MSU: 1 [1 - **1** - **9**].
Akona, E. bank: 11 February 1927: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].
Akona, W. bank: 8 February 1927: Anthony, Harold Elmer: AMNH: 2 [2 - **2**] - 11 February 1927: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **3**].
Along Busseri River, Agok mango grove: 5 October 1982: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].
Amadi: 1 January 1951: Owen, J.S.: FMNH: 3 [3 - **3**] - 1 September 1959: ?: Collector Unknown: ZMUC: 3 [3 - **3** - **6**].
Amol Tonyi area: 11 March 1973: Archer, T.: ROM: 1 [1 - **1** - **1**].
Andari Payam, Bangangai Game Reserve: 26 May 2013: ?: Collector Unknown: USNM: 4 [4 - **4** - **4**].
Andari Payam, Bangangai Game Reserve, location 7: 22 May 2013: ?: Collector Unknown: USNM: 3 [3 - **3**] - 23 May 2013: Babiker Salata, Hassan Aburaida: USNM: 4 [4 - **4** - **7**].
Andari Payam, Bangangai Game Reserve, location 8: 25 May 2013: ?: Collector Unknown: USNM: 4 [4 - **4** - **4**].
Bahr el Jebel: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1]; Schwarz: ZMB: 1 [1 - **2** - **2**].
Bahr el Zaraf: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2** - **2**].
Bahr-el-Zeraf, near mouth: 3 February 1914: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].
Bandala Boma, ca. 10 km W Sue River, W border Southern National Park, location 1: 31 May 2013: ?: Collector Unknown: USNM: 5 [5]; Babiker Salata, Hassan Aburaida: USNM: 6 [6 - **11**] - 1 June 2013: ?: Collector Unknown: USNM: 7 [7]; Babiker Salata, Hassan Aburaida: USNM: 6 [6 - **13**] - 2 June 2013: ?: Collector Unknown: USNM: 5 [5]; Babiker Salata, Hassan Aburaida: USNM: 13 [13 - **18**] - 4 June 2013: ?: Collector Unknown: USNM: 34 [34 - **34** - **76**].
Bangangai forest: 17 March 1977: Archer, A.L.: FMNH: 3 [3 - **3**] - 20 March 1977: Archer, A.L.: FMNH: 2 [2 - **2**] - 22 March 1977: Archer, A.L.: FMNH: 3 [3 - **3**] - 25 March 1977: Archer, A.L.: FMNH: 2 [2 - **2** - **10**].
Bangangai Game Reserve, base camp: 21 July 2012: ?: Collector Unknown: USNM: 3 [3 - **3**] - 22 July 2012: ?: Collector Unknown: USNM: 2 [2 - **2** - **5**].
Bangangai Game Reserve, Location 1: 20 July 2012: ?: Collector Unknown: USNM: 3 [3 - **3**] - 21 July 2012: Reeder, DeeAnn M.: USNM: 6 [6 - **6**] - 27 July 2012: ?: Collector Unknown: USNM: 6 [6 - **6** - **15**].
Bangangai Game Reserve, Location 2: 20 July 2012: ?: Collector Unknown: USNM: 2 [2 - **2**] - 21 July 2012: ?: Collector Unknown: USNM: 1 [1 - **1** - **3**].
Bangangai Game Reserve, location 4: 22 July 2012: ?: Collector Unknown: USNM: 6 [6 - **6**] - 23 July 2012: ?: Collector Unknown: USNM: 3 [3 - **3** - **9**].
Bangangai Game Reserve, location 5: 24 July 2012: ?: Collector Unknown: USNM: 9 [9 - **9** - **9**].
Bangangai Game Reserve, location 6: 25 July 2012: ?: Collector Unknown: USNM: 6 [6]; Reeder, DeeAnn M.: USNM: 2 [2 - **8**] - 26 July 2012: ?: Collector Unknown: USNM: 1 [1 - **1**] - 19 May 2013: ?: Collector Unknown: USNM: 8 [8 - **8**] - 20 May 2013: ?: Collector Unknown: USNM: 10 [10 - **10**] - 21 May 2013: ?: Collector Unknown: USNM: 7 [7 - **7**] - 23 May 2013: ?: Collector Unknown: USNM: 6 [6 - **6** - **40**].
Boma Mountains, Western foothills: Collection Date Unknown: Nikolaus, Gerhard: SMNS: 6 [6 - **6**] - 23 February 1979: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **7**].
Bongo: 1 October 1863: Von Heuglin, Theodor: SMNS: 2 [2 - **2** - **2**].
Bor: 1 March 1910: Heller, Edmund: USNM: 5 [5 - **5**] - 2 March 1910: Heller, Edmund: USNM: 4 [4 - **4**] - 2 May 1918: El Rayah, M.A.: ROM: 1 [1 - **1**] - 3 May 1918: Hamilton, J.V.: FMNH: 1 [1 - **1**] - 17 June 1950: Owen, J.S.: FMNH: 4 [4 - **4** - **15**].
Boro river: 31 March 1979: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
Boro river, 25 km N: 31 March 1979: Nikolaus, Gerhard: SMNS: 5 [5 - **5** - **5**].
Central Payam, Bandala Boma, ca. 10 km W Sue River, W border Southern National Park), location 1: 31 May 2013: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Chalamni: 9 May 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 7 December 1950: Owen, J.S.: FMNH: 7 [7 - **7** - **8**].
Dem Zubeir: 26 November 1982: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].
Didinga mountains, western foothils: 5 February 1979: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 7 February 1979: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **2**].
Duk Fagul: 12 April 1918: Hamilton, W.: USNM: 1 [1 - **1** - **1**].
Equatoria Province: 3 May 1948: Alison, R.: USNM: 1 [1 - **1** - **1**].

Fashoda, near: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Fula Rapids: 23 August 1951: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].
Gemeiza: 27 February 1928: Brown, W.: USNM: 2 [2 - **2** - **2**].
Gilo: Collection Date Unknown: ?: Collector Unknown: SMNS: 1 [1]; Nikolaus, Gerhard: SMNS: 17 [17 - **18**] - 28 November 1950: Owen, J.S.: FMNH: 6 [6 - **6**] - 22 December 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 11 November 1951: Owen, J.S.: FMNH: 6 [6 - **6**] - 13 December 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 4 January 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 5 January 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 8 April 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 10 April 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **36**].
Gilo area: 20 February 1977: Archer, A.L.: FMNH: 3 [3 - **3**] - 21 February 1977: Archer, A.L.: FMNH: 3 [3 - **3**] - 24 February 1977: Archer, A.L.: FMNH: 2 [2 - **2**] - 25 February 1977: Archer, A.L.: FMNH: 3 [3 - **3**] - 26 February 1977: Archer, A.L.: FMNH: 2 [2 - **2**] - 27 February 1977: Archer, A.L.: FMNH: 2 [2 - **2**] - 28 February 1977: Archer, A.L.: FMNH: 5 [5 - **5**] - 3 March 1977: Archer, A.L.: FMNH: 1 [1 - **1** - **21**].
Gilo, 5 mi S: 26 February 1977: Archer, A.L.: FMNH: 1 [1 - **1**] - 27 February 1977: Archer, A.L.: FMNH: 3 [3 - **3**] - 28 February 1977: Archer, A.L.: FMNH: 1 [1 - **1** - **5**].
Gondokoro: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; Berger: ZMB: 1 [1]; Loring, John Alden: USNM: 1 [1 - **4**] - 1 January 1909: Loring, John Alden: MCZ: 2 [2 - **2**] - 19 February 1910: Loring, John Alden: USNM: 1 [1]; Mearns, Edgar Alexander: USNM: 1 [1 - **2**] - 20 February 1910: Loring, John Alden: USNM: 4 [4 - **4**] - 21 February 1910: Loring, John Alden: USNM: 6 [6 - **6**] - 22 February 1910: Loring, John Alden: USNM: 2 [2 - **2**] - 23 February 1910: Loring, John Alden: USNM: 1 [1 - **1**] - 24 February 1910: Loring, John Alden: USNM: 1 [1 - **1**] - 25 February 1910: Loring, John Alden: FMNH: 6, USNM: 92 [98 - **98**] - 28 February 1910: Loring, John Alden: USNM: 15 [15 - **15** - **135**].
Gwortapeng Village: 6 January 2015: ?: Collector Unknown: USNM: 5 [5 - **5** - **5**].
Hellet Nuer: 22 March 1910: Le-Roi, Otto: ZFMK: 1 [1 - **1** - **1**].
Ikoto: 12 November 1949: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 23 January 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 16 February 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 5 May 1950: Owen, J.S.: FMNH: 4 [4 - **4**] - 3 January 1951: Owen, J.S.: FMNH: 5 [5 - **5**] - 6 May 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 7 May 1951: Owen, J.S.: FMNH: 2 [2 - **2**] - 7 August 1951: Owen, J.S.: FMNH: 3 [3 - **3**] - 8 August 1951: Owen, J.S.: FMNH: 1 [1 - **1** - **19**].
Imatong: 27 February 1950: Owen, J.S.: ZMUC: 1 [1 - **1**] - 5 September 1979: Nikolaus, Gerhard: SMNS: 3 [3 - **3**] - 7 September 1979: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **5**].
Imatong mountains: 31 December 1952: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].
Imurok: Collection Date Unknown: Hoogstraal, Harry H.: USNM: 4 [4 - **4**] - 1 March 1950: Hoogstraal, Harry H.: FMNH: 9 [9 - **9**] - 12 May 1950: Owen, J.S.: FMNH: 8 [8 - **8**] - 17 May 1950: Owen, J.S.: FMNH: 3 [3 - **3**] - 18 August 1950: Owen, J.S.: FMNH: 4 [4 - **4**] - 2 September 1950: Owen, J.S.: FMNH: 4 [4 - **4**] - 19 December 1950: Owen, J.S.: FMNH: 11 [11 - **11** - **43**].
Issore: 14 January 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 15 January 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 16 January 1951: Owen, J.S.: FMNH: 3 [3 - **3**] - 15 February 1951: Owen, J.S.: FMNH: 6 [6 - **6**] - 16 February 1951: Owen, J.S.: FMNH: 1 [1 - **1** - **12**].
Jale: 12 October 2011: ?: Collector Unknown: USNM: 11 [11 - **11** - **11**].
Jebel Gire, Base Camp: 4 August 2010: Reeder, DeeAnn M.: USNM: 1 [1 - **1** - **1**].
Jebel Goumia: 31 December 1952: Owen, J.S.: FMNH: 21 [21 - **21** - **21**].
Jebel Kasangor: 17 February 1979: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
Juba: Collection Date Unknown: Nikolaus, Gerhard: SMNS: 1 [1]; Queeny, Edgar M.: AMNH: 3 [3 - **4**] - 15 May 1948: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 20 March 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 13 May 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 23 June 1950: Owen, J.S.: FMNH: 12 [12 - **12**] - 12 August 1952: Owen, J.S.: FMNH: 2 [2 - **2**] - 13 January 1977: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 25 October 1979: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 28 January 1980: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 2 January 1983: Moritz, Laura J.: MSU: 3 [3 - **3** - **28**].
Juba, 400 mi [= 640 km] W: 26 December 1946: Anderson, A.B.: FMNH: 1 [1 - **1** - **1**].
Kabi stream: 16 September 2011: ?: Collector Unknown: USNM: 11 [11 - **11**] - 18 September 2011: ?: Collector Unknown: USNM: 14 [14 - **14**] - 20 September 2011: ?: Collector Unknown: USNM: 16 [16 - **16**] - 4 October 2011: Reeder, DeeAnn M.: USNM: 1 [1 - **1**] - 3 January 2015: ?: Collector Unknown: USNM: 46 [46 - **46** - **88**].
Kagelu: 18 November 1940: Myers, John Golding: AMNH: 1 [1 - **1**] - 10 December 1940: Myers, John Golding: AMNH: 1 [1 - **1**] - 12 December 1940: Myers, John Golding: AMNH: 1 [1 - **1** - **3**].
Kajiko North: Collection Date Unknown: Nikolaus, Gerhard: SMNS: 8 [8 - **8**] - 17 July 1978: Nikolaus, Gerhard: SMNS: 2 [2 - **2**] - 19 July 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 24 September 1979: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **12**].
Kajiko South: 18 July 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 20 July 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **2**].
Kajo Kaji, 10 mi W: 25 July 1978: Nikolaus, Gerhard: SMNS: 3 [3 - **3** - **3**].
Kajo-Keji County Health Department Headquarters: 5 January 2015: ?: Collector Unknown: USNM: 6 [6 - **6** - **6**].
Kaka: Collection Date Unknown: Hawker, R. McDonald: BMNH: 2 [2 - **2**] - 17 February 1928: Brown, W.: USNM: 1 [1 - **1**] - 11 March 1928: Brown, W.: USNM: 3 [3 - **3** - **6**].
Kaka, 7 mi [= 11 km] S: 11 March 1928: Brown, W.: USNM: 1 [1 - **1** - **1**].
Kangapo One Payam: 9 January 2015: Ejotre, Imran: USNM: 9 [9 - **9** - **9**].
Kangapo Two Payam: 10 January 2015: Ejotre, Imran: USNM: 19 [19 - **19** - **19**].
Kapoeta: 15 March 1948: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 15 April 1948: Hoogstraal, Harry H.: USNM: 2 [2 - **2**] - 16 April 1948: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 1 August 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 15 December 1977: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 17 December 1977: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **7**].
Katire: Collection Date Unknown: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 1 June 1950: Owen, J.S.: FMNH: 9 [9 - **9**] - 1 October 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 6 February 1951: Owen, J.S.: FMNH: 3 [3 - **3**] - 7 February 1951: Owen, J.S.: FMNH: 3 [3 - **3**] - 26 February 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 7 April 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 9 April 1951: Owen, J.S.: FMNH: 4 [4 - **4**] - 18 April 1951: Owen, J.S.: FMNH: 2 [2 - **2**] - 19 April 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 14 May 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 20 May 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 31 May 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 12 June 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 15 August 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 1 January 1952: Owen, J.S.: FMNH: 2 [2 - **2**] - 28 January 1952: Owen, J.S.: FMNH: 3 [3 - **3**] - 1 March 1952: Owen, J.S.: FMNH: 2 [2 - **2**] - 26 September 1952: Owen, J.S.: FMNH: 5 [5 - **5** - **43**].
Katuluru: 3 December 1950: Owen, J.S.: FMNH: 3 [3 - **3**] - 25 January 1951: Owen, J.S.: FMNH: 4 [4 - **4**] - 3 March 1952: Owen, J.S.: FMNH: 2 [2 - **2** - **9**].
Kerripi: 20 May 1950: Owen, J.S.: FMNH: 2 [2 - **2** - **2**].
Khor Attar: 11 February 1905: Sassi, Moritz: NMW: 1 [1 - **1** - **1**].

Kijiri Village: 12 January 2015: Ejotre, Imran: USNM: 8 [8 - **8** - **8**].
Kinyiba Cave: 26 August 2011: ?: Collector Unknown: USNM: 22 [22 - **22** - **22**].
Kinyiba-Bekat, approximately 1 km west of town center: 9 October 2011: Reeder, DeeAnn M.: USNM: 7 [7 - **7** - **7**].
Kinyiba-Bekat, ca. 1 km W of town center: 9 October 2011: Reeder, DeeAnn M.: USNM: 1 [1 - **1** - **1**].
Kombi stream, behind Reeder compound: 8 January 2015: Ejotre, Imran: USNM: 6 [6 - **6**] - 13 January 2015: Ejotre, Imran: USNM: 4 [4 - **4** - **10**].
Kongor: 24 March 1918: Hamilton, J.S.: BMNH: 1 [1 - **1**] - 25 March 1918: Hamilton, J.M.: FMNH: 2 [2]; Hamilton, J.S.: BMNH: 3, KM: 2 [5 - **7**] - 28 March 1918: Hamilton, J.S.: BMNH: 1 [1 - **1** - **9**].
Korobi, mount: 27 July 1978: Nikolaus, Gerhard: SMNS: 2 [2 - **2** - **2**].
Kotokeinyang: 13 February 1950: Hoogstraal, Harry H.: USNM: 7 [7 - **7** - **7**].
Kungupuri: 2 September 2011: ?: Collector Unknown: USNM: 2 [2 - **2**] - 4 September 2011: ?: Collector Unknown: USNM: 12 [12 - **12** - **14**].
Lado [=Lado, Jabal, Mount Lado]: Collection Date Unknown: Berger: ZMB: 3 [3 - **3** - **3**].
Lafon: 28 February 1949: Owen, J.S.: ZMUC: 2 [2 - **2**] - 23 November 1949: Hoogstraal, Harry H.: FMNH: 13, USNM: 6 [19 - **19**] - 20 December 1949: Owen, J.S.: ZMUC: 2 [2 - **2**] - 30 March 1950: Hoogstraal, Harry H.: FMNH: 3 [3]; Owen, J.S.: FMNH: 5 [5 - **8**] - 12 April 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 23 August 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 4 April 1951: Owen, J.S.: ZMUC: 3 [3 - **3**] - 26 September 1951: Owen, J.S.: FMNH: 4 [4 - **4**] - 20 January 1952: Owen, J.S.: FMNH: 1 [1 - **1** - **42**].
Lake No, below: 8 March 1910: Mearns, Edgar Alexander: USNM: 2 [2 - **2** - **2**].
Latome: 18 March 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 20 March 1951: Owen, J.S.: FMNH: 1 [1 - **1** - **2**].
Lawudo: 13 November 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 19 November 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 20 January 1952: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **4**].
Ledgus: 15 January 1910: Loring, John Alden: USNM: 1 [1 - **1**] - 15 February 1910: Loring, John Alden: USNM: 2 [2 - **2** - **3**].
Li Rangu: 4 May 1948: Alison, R.: USNM: 2 [2]; Hoogstraal, Harry H.; Alison, R.: FMNH: 1 [1 - **3** - **3**].
Loa: 16 March 1950: Owen, J.S.: ZMUC: 1 [1 - **1**] - 20 April 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 21 April 1950: Owen, J.S.: FMNH: 3 [3 - **3**] - 21 July 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 29 January 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 30 January 1951: Owen, J.S.: FMNH: 2, ZMUC: 1 [3 - **3**] - 30 January 1952: Owen, J.S.: FMNH: 2 [2 - **2** - **13**].
Lobira: 12 January 1950: Owen, J.S.: ZMUC: 3 [3 - **3** - **3**].
Lodwara: 30 January 1950: Hoogstraal, Harry H.: FMNH: 7, USNM: 3 [10 - **10** - **10**].
Loelli: 1 June 1950: Owen, J.S.: FMNH: 8 [8 - **8**] - 30 January 1951: Owen, J.S.: FMNH: 3 [3 - **3**] - 1 July 1951: Owen, J.S.: FMNH: 1 [1 - **1** - **12**].
Lofi: 17 March 1951: Owen, J.S.: FMNH: 6 [6 - **6**] - 22 March 1951: Owen, J.S.: FMNH: 5 [5 - **5** - **11**].
Logirim: 4 January 1951: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].
Lokomanyang [=Lokomarinyang] Marsh: 10 June 1953: Harrison, David Lakin: BMNH: 1 [1 - **1** - **1**].
Lokomarinyang Marsh: 10 June 1953: Williams, John George: BMNH: 1 [1 - **1** - **1**].
Lokomorinyang: 10 June 1953: Williams, John George: HZM: 1 [1 - **1** - **1**].
Lokwi: 6 February 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 9 February 1951: Owen, J.S.: FMNH: 9 [9 - **9**] - 17 March 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 21 June 1951: Owen, J.S.: FMNH: 3 [3 - **3**] - 1 July 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 10 July 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 7 August 1951: Owen, J.S.: FMNH: 2 [2 - **2**] - 8 August 1951: Owen, J.S.: FMNH: 2 [2 - **2**] - 15 August 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 7 September 1951: Owen, J.S.: FMNH: 4 [4 - **4**] - 10 November 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 12 November 1951: Owen, J.S.: FMNH: 9 [9 - **9**] - 14 November 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 10 December 1951: Owen, J.S.: FMNH: 3 [3 - **3**] - 1 March 1952: Owen, J.S.: FMNH: 1 [1 - **1**] - 1 June 1952: Owen, J.S.: FMNH: 10 [10 - **10**] - 24 December 1952: Owen, J.S.: FMNH: 10 [10 - **10**] - 29 December 1952: Owen, J.S.: FMNH: 1 [1 - **1** - **61**].
Longairo: 25 March 1950: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].
Loqutor: 28 July 1950: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].
Lorini stream: 11 January 2015: Ejotre, Imran: USNM: 3 [3 - **3** - **3**].
Lotti forest: 7 April 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 8 October 1979: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **2**].
Lowai: 6 August 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 4 March 1952: Owen, J.S.: FMNH: 2 [2 - **2** - **3**].
Luro Cave, base camp: 30 August 2011: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Magwe: 29 February 1952: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].
Malakal: Collection Date Unknown: ?: Collector Unknown: USNM: 4 [4]; Hoogstraal, Harry H.; Alison, R.: USNM: 2 [2 - **6**] - 1 January 1948: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - 7 December 1960: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 18 December 1960: Hoogstraal, Harry H.: FMNH: 12 [12 - **12**] - 19 January 1961: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - 23 January 1961: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 25 January 1961: Hoogstraal, Harry H.; Gabor, S.: FMNH: 2 [2 - **2**] - 1 February 1961: Hoogstraal, Harry H.: FMNH: 10 [10 - **10**] - 16 March 1962: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 12 April 1962: Hoogstraal, Harry H.: FMNH: 10 [10 - **10**] - 20 December 1978: Walen, A.: ZMA: 2 [2 - **2**] - 24 December 1978: Walen, A.: ZMA: 1 [1 - **1**] - 20 December 1979: Walen, A.: ZMA: 1 [1 - **1** - **55**].
Malakal, 4 mi N: 27 January 1961: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Malakal, 50 mi N: 23 April 1962: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Mandri: 7 December 1982: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].
Mangala [=Mongalla]: Collection Date Unknown: Loat, W.L.S.: BMNH: 1 [1 - **1** - **1**].
Marangu cave: 2 June 1954: Owen, J.S.: FMNH: 4 [4 - **4** - **4**].
Maridi: 7 August 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
Mbarianga Cave: 8 April 1954: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].
Mbili: 10 September 1982: Moritz, Laura J.: MSU: 9 [9 - **9**] - 20 November 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 26 November 1982: Moritz, Laura J.: MSU: 1 [1 - **1** - **11**].
Melut: Collection Date Unknown: Trudinger, R.: SAMA: 1 [1 - **1**] - 14 December 1960: Hoogstraal, Harry H.; Gabor, S.: FMNH: 1 [1 - **1** - **2**].
Mere: 14 September 2011: ?: Collector Unknown: USNM: 5 [5 - **5**] - 15 September 2011: ?: Collector Unknown: USNM: 9 [9 - **9**] - 22 September 2011: ?: Collector Unknown: USNM: 2 [2 - **2** - **16**].
Mnyouri Jardin: 12 February 1910: Loring, John Alden: USNM: 1 [1 - **1** - **1**].
Mogiri Hill, NE of Town: 16 September 2011: ?: Collector Unknown: USNM: 1 [1 - **1**] - 19 September 2011: ?: Collector Unknown: USNM: 1 [1 - **1** - **2**].
Mogiri, NW of town: 16 September 2011: Reeder, DeeAnn M.: USNM: 1 [1 - **1** - **1**].

Mogiri, Reeder Family Compound: 24 August 2011: ?: Collector Unknown: USNM: 1 [1 - **1**] - 10 October 2011: ?: Collector Unknown: USNM: 1 [1 - **1**] - 1 January 2015: ?: Collector Unknown: USNM: 10 [10 - **10** - **12**].
Molongori: 24 February 1951: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].
Mongalla: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Anthony, Harold Elmer: AMNH: 1 [1]; Loat, W.L.S.: BMNH: 3 [3 - **5**] - 27 March 1905: Sassi, Moritz: NMW: 3 [3 - **3**] - 28 February 1910: Heller, Edmund: USNM: 8 [8 - **8**] - 19 February 1918: Hamilton, J.M.: FMNH: 1 [1]; Hamilton, J.M. or J.V.: USNM: 1 [1 - **2**] - 21 February 1918: Hamilton, J.M.: FMNH: 1 [1 - **1**] - 23 February 1918: Hamilton, J.M. or J.V.: USNM: 1 [1 - **1**] - 13 June 1918: Wellcome Research Laboratories, The: BMNH: 1 [1 - **1**] - 21 April 1921: Shaw, A.: BMNH: 2 [2 - **2**] - 19 February 1923: El Rayah, M.A.: ROM: 2 [2 - **2**] - 12 March 1923: El Rayah, M.A.: ROM: 1 [1 - **1**] - 15 February 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 13 March 1950: Owen, J.S.: ZMUC: 3 [3 - **3**] - 15 March 1950: Owen, J.S.: ZMUC: 1 [1 - **1**] - 17 March 1950: Owen, J.S.: ZMUC: 1 [1 - **1**] - 1 February 1960: Archer, T.: HZM: 1 [1 - **1** - **33**].
Mount Otogo, summit: 7 December 1940: Myers, John Golding: AMNH: 1 [1 - **1** - **1**].
Mundari Civil Hospital: 12 August 2010: Reeder, DeeAnn M.: USNM: 1 [1 - **1**] - 20 August 2011: ?: Collector Unknown: USNM: 6 [6 - **6**] - 24 August 2011: ?: Collector Unknown: USNM: 5 [5 - **5**] - 1 October 2011: ?: Collector Unknown: USNM: 6 [6 - **6**] - 11 October 2011: ?: Collector Unknown: USNM: 7 [7 - **7**] - 2 January 2015: ?: Collector Unknown: USNM: 6 [6 - **6**] - 4 January 2015: ?: Collector Unknown: USNM: 6 [6 - **6** - **37**].
Mundri: 7 December 1982: Moritz, Laura J.: MSU: 4 [4 - **4** - **4**].
Mupoi cave: 9 October 1953: Owen, J.S.: FMNH: 6 [6 - **6**] - 16 April 1954: Owen, J.S.: FMNH: 4 [4 - **4** - **10**].
Mura: 29 March 1950: Owen, J.S.: FMNH: 6 [6 - **6** - **6**].
Murukurun: 9 May 1950: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].
Nagishot: Collection Date Unknown: Nikolaus, Gerhard: SMNS: 1 [1]; Owen, J.S.: FMNH: 1 [1 - **2**] - 24 December 1950: Owen, J.S.: FMNH: 5 [5 - **5**] - 25 December 1950: Owen, J.S.: FMNH: 4 [4 - **4**] - 9 July 1951: Owen, J.S.: ZMUC: 1 [1 - **1**] - 2 September 1951: Owen, J.S.: FMNH: 8 [8 - **8**] - 31 December 1977: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **21**].
Namaku Boma: 7 June 2013: Langan, Esther M.: USNM: 2 [2 - **2** - **2**].
Ngangala, 20 mi [=32 km]N: 12 September 1951: Owen, J.S.: FMNH: 1 [1 - **1** - **1**].
Ngohalima: 20 September 1982: Moritz, Laura J.: MSU: 3 [3 - **3** - **3**].
Ngohalima, on Busseri River: 20 September 1982: Moritz, Laura J.: MSU: 4 [4 - **4** - **4**].
Ngop: 1 January 1951: Owen, J.S.: FMNH: 3 [3 - **3** - **3**].
Ngosulugu: 26 September 1982: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].
Niayok: 5 January 1961: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 14 January 1961: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **5**].
Nile, upper: 13 March 1915: Shaw, A.: BMNH: 1 [1 - **1** - **1**].
Nimule: 7 February 1910: Heller, Edmund: USNM: 1 [1 - **1**] - 16 February 1910: Heller, Edmund: USNM: 5 [5 - **5**] - 21 April 1949: Cade, C.E.: FMNH: 2 [2 - **2**] - 24 April 1949: Cade, C.E.: FMNH: 12 [12 - **12**] - 26 April 1949: Cade, C.E.: FMNH: 1 [1 - **1**] - 16 March 1950: Queeny, Edgar M.: AMNH: 2 [2 - **2**] - 17 March 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 20 March 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 20 May 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 16 July 1950: Owen, J.S.: FMNH: 7 [7 - **7**] - 29 August 1950: Owen, J.S.: FMNH: 5 [5 - **5**] - 23 August 1951: Owen, J.S.: FMNH: 4 [4 - **4**] - 1 July 1960: Betts, A.; Mumford, Russell E.: ROM: 1 [1 - **1** - **44**].
No, lake: 23 February 1910: Le-Roi, Otto: ZFMK: 1 [1 - **1** - **1**].
Northern District: 1 January 1961: Hoogstraal, Harry H.: FMNH: 8 [8 - **8** - **8**].
Nyibor, Lake: 1 March 1950: Queeny, Edgar M.: AMNH: 24 [24 - **24**] - 25 March 1950: Queeny, Edgar M.: AMNH: 17 [17 - **17**] - 27 March 1950: Queeny, Edgar M.: AMNH: 9 [9 - **9**] - 28 March 1950: Queeny, Edgar M.: AMNH: 8 [8 - **8**] - 29 March 1950: Queeny, Edgar M.: AMNH: 5 [5 - **5**] - 30 March 1950: Queeny, Edgar M.: AMNH: 8 [8 - **8**] - 31 March 1950: Queeny, Edgar M.: AMNH: 6 [6 - **6**] - 1 April 1950: Queeny, Edgar M.: AMNH: 2 [2 - **2**] - 31 March 1951: Queeny, Edgar M.: AMNH: 3 [3 - **3** - **82**].
Nzara: 8 June 1962: : SMF: 1 [1 - **1**] - 12 June 1962: Kock, Dieter: SMF: 1 [1 - **1**] - 1 January 1977: Arata, Andrew A.: BMNH: 123 [123 - **123**] - 17 February 1977: Arata, Andrew A.: BMNH: 1 [1 - **1** - **126**].
Nzara West: Collection Date Unknown: ?: Collector Unknown: BMNH: 5 [5 - **5**] - 12 June 1962: ?: Collector Unknown: SMF: 2 [2 - **2** - **7**].
Okaru: 5 August 1950: Owen, J.S.: FMNH: 15 [15 - **15** - **15**].
Palwar: 14 April 1951: Owen, J.S.: FMNH: 2 [2 - **2**] - 20 January 1952: Owen, J.S.: FMNH: 10 [10 - **10** - **12**].
Panyai: 9 September 2011: ?: Collector Unknown: USNM: 10 [10 - **10**] - 30 September 2011: ?: Collector Unknown: USNM: 12 [12 - **12**] - 3 October 2011: ?: Collector Unknown: USNM: 7 [7 - **7**] - 5 October 2011: ?: Collector Unknown: USNM: 15 [15 - **15**] - 7 October 2011: ?: Collector Unknown: USNM: 12 [12 - **12**] - 10 July 2012: ?: Collector Unknown: USNM: 8 [8 - **8**] - 11 July 2012: ?: Collector Unknown: USNM: 12 [12 - **12**] - 12 July 2012: ?: Collector Unknown: USNM: 12 [12 - **12**] - 13 July 2012: ?: Collector Unknown: USNM: 9 [9 - **9** - **97**].
Raffili: 2 October 1982: Moritz, Laura J.: MSU: 5 [5 - **5** - **5**].
Raga: 27 November 1982: Moritz, Laura J.: MSU: 3 [3 - **3**] - 28 November 1982: Moritz, Laura J.: MSU: 5 [5 - **5** - **8**].
Renk: 19 March 1901: Hawker, R. McDonald: BMNH: 3 [3 - **3**] - 13 May 1901: Hawker, R. McDonald: BMNH: 1 [1 - **1**] - 11 March 1910: Mearns, Edgar Alexander: USNM: 2 [2 - **2** - **6**].
Rumbeck: 5 November 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 5 December 1982: Moritz, Laura J.: MSU: 1 [1 - **1** - **2**].
Seriba Ghatta: Collection Date Unknown: Schweinfurth, Georg: ZMB: 11 [11 - **11** - **11**].
Shambe: 2 March 1910: Heller, Edmund: USNM: 2 [2 - **2**] - 9 December 1974: Archer, T.; Sutton, J.: ROM: 1 [1 - **1** - **3**].
Sharq al Istiwa'iyah state: 1 February 1978: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Shukoli: 11 December 1950: Owen, J.S.: FMNH: 7 [7 - **7** - **7**].
Sim Sima: 8 March 1927: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].
Sim Sima: 8 March 1927: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].
Sobat River: 2 December 1925: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].
Southern Region: 12 December 1949: Hoogstraal, Harry H.: USNM: 1 [1 - **1** - **1**].
Sunnat: 13 February 1950: Hoogstraal, Harry H.: FMNH: 21 [21 - **21**] - 22 February 1950: Hoogstraal, Harry H.: FMNH: 2, USNM: 1 [3 - **3**] - 23 February 1950: Hoogstraal, Harry H.: FMNH: 4, USNM: 4 [8 - **8** - **32**].
Talanga forest: Collection Date Unknown: Owen, J.S.: FMNH: 1 [1 - **1**] - 17 June 1950: Owen, J.S.: FMNH: 4 [4 - **4**] - 4 March 1977: Archer, A.L.: FMNH: 1 [1 - **1**] - 7 March 1977: Archer, A.L.: FMNH: 1 [1 - **1**] - 8 March 1977: Archer, A.L.: FMNH: 3 [3 - **3**] - 9 March 1977: Archer, A.L.: FMNH: 2 [2 - **2**] - 10 March 1977: Archer, A.L.: FMNH: 4 [4 - **4**] - 1 July 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 2 July 1978: Nikolaus, Gerhard: SMNS: 2 [2 - **2** - **19**].
Taufikia: Collection Date Unknown: Schwarz: ZMB: 1 [1 - **1** - **1**].
Terrakka: 28 February 1928: Brown, W.: USNM: 1 [1 - **1** - **1**].

Tirangole: 14 August 1950: Owen, J.S.: FMNH: 5 [5 - **5**] - 7 September 1950: Owen, J.S.: FMNH: 9 [9 - **9** - **14**].

Tonga: Collection Date Unknown: ?: Collector Unknown: ZIUE: 1 [1]; Wettstein, Otto Ritter von Westersheim: NMW: 12 [12 - **13**] - 11 April 1914: Wettstein, Otto Ritter von Westersheim: BMNH: 1, NMW: 1 [2 - **2**] - 16 April 1916: Werner, Franz: NMW: 2 [2 - **2** - **17**].

Tonj: 27 February 1974: Sutton, J.; Archer, T.: ROM: 6 [6 - **6**] - 2 March 1974: Sutton, J.; Archer, T.: ROM: 1 [1 - **1**] - 3 March 1974: Archer, T.: ROM: 1 [1]; Archer, T.; Sutton, J.: ROM: 4 [4]; Sutton, J.; Archer, T.: ROM: 4 [4 - **9**] - 4 March 1974: Archer, T.; Sutton, J.: ROM: 2 [2]; Sutton, J.; Archer, T.: ROM: 5 [5 - **7**] - 5 March 1974: Sutton, J.; Archer, T.: ROM: 2 [2 - **2**] - 21 January 1977: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 22 January 1977: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **27**].

Tonj, 103.5 km SE: 9 March 1973: Archer, T.: ROM: 1 [1 - **1** - **1**].

Tonj, 64 km SE: 12 March 1973: Archer, T.: ROM: 1 [1 - **1** - **1**].

Torangole: 6 March 1950: Queeny, Edgar M.: AMNH: 3 [3 - **3** - **3**].

Torit: Collection Date Unknown: Hoogstraal, Harry H.: FMNH: 1, USNM: 6 [7 - **7**] - 2 August 1948: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 5 March 1949: Owen, J.S.: ZMUC: 1 [1 - **1**] - 30 July 1949: Owen, J.S.: ZMUC: 1 [1 - **1**] - 22 October 1949: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - 23 October 1949: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - 24 October 1949: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 25 October 1949: Hoogstraal, Harry H.: FMNH: 3, USNM: 1 [4 - **4**] - 26 October 1949: Hoogstraal, Harry H.: FMNH: 18 [18 - **18**] - 27 October 1949: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - 28 October 1949: Hoogstraal, Harry H.: FMNH: 10, USNM: 2 [12 - **12**] - 29 October 1949: Hoogstraal, Harry H.: FMNH: 4, USNM: 1 [5 - **5**] - 1 November 1949: Hoogstraal, Harry H.: FMNH: 2, USNM: 2 [4 - **4**] - 6 November 1949: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - 8 November 1949: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 16 November 1949: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 17 November 1949: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 23 November 1949: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 26 November 1949: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 27 November 1949: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 28 November 1949: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 29 November 1949: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 2 December 1949: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 4 December 1949: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 5 December 1949: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 7 December 1949: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - 8 December 1949: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 12 December 1949: Hoogstraal, Harry H.: FMNH: 6 [6]; Owen, J.S.: ZMUC: 1 [1 - **7**] - 28 December 1949: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 1 January 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 2 January 1950: Hoogstraal, Harry H.: FMNH: 10 [10]; Owen, J.S.: FMNH: 1 [1 - **11**] - 3 January 1950: Hoogstraal, Harry H.: FMNH: 7 [7 - **7**] - 4 January 1950: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 5 January 1950: Owen, J.S.: ZMUC: 4 [4 - **4**] - 7 January 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 8 January 1950: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 12 January 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 15 January 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 19 January 1950: Hoogstraal, Harry H.: FMNH: 4 [4 - **4**] - 21 January 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 24 January 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 25 January 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 26 January 1950: Hoogstraal, Harry H.: FMNH: 1, USNM: 1 [2 - **2**] - 28 January 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 1 February 1950: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 2 February 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 8 February 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 9 February 1950: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 13 February 1950: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 22 February 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 24 February 1950: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 28 February 1950: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 5 March 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 17 April 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 30 April 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 1 May 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 10 May 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 12 May 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 13 May 1950: Owen, J.S.: FMNH: 6 [6 - **6**] - 23 May 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 26 May 1950: Owen, J.S.: FMNH: 8 [8 - **8**] - 19 June 1950: Owen, J.S.: FMNH: 5 [5 - **5**] - 20 June 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 1 July 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 6 July 1950: Owen, J.S.: FMNH: 5 [5 - **5**] - 7 July 1950: Owen, J.S.: FMNH: 3 [3 - **3**] - 13 July 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 30 July 1950: Owen, J.S.: FMNH: 10 [10 - **10**] - 4 August 1950: Owen, J.S.: FMNH: 3 [3 - **3**] - 9 August 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 15 August 1950: Owen, J.S.: FMNH: 5 [5 - **5**] - 21 August 1950: Owen, J.S.: FMNH: 4 [4 - **4**] - 31 August 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 5 September 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 16 November 1950: Owen, J.S.: FMNH: 3 [3 - **3**] - 17 November 1950: Owen, J.S.: FMNH: 3 [3 - **3**] - 23 November 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 20 December 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 23 December 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 26 December 1950: Owen, J.S.: FMNH: 1 [1 - **1**] - 28 December 1950: Owen, J.S.: FMNH: 11 [11 - **11**] - 30 December 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 31 December 1950: Owen, J.S.: FMNH: 2 [2 - **2**] - 2 January 1951: Owen, J.S.: FMNH: 6 [6 - **6**] - 7 January 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 20 January 1951: Owen, J.S.: FMNH: 4 [4 - **4**] - 23 January 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 24 January 1951: Owen, J.S.: FMNH: 9 [9 - **9**] - 25 January 1951: Owen, J.S.: FMNH: 3, ZMUC: 1 [4 - **4**] - 26 January 1951: Owen, J.S.: FMNH: 2 [2 - **2**] - 28 January 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 5 February 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 26 March 1951: Owen, J.S.: FMNH: 2 [2 - **2**] - 31 March 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 12 April 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 3 May 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 4 May 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 9 May 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 26 May 1951: Owen, J.S.: FMNH: 3 [3 - **3**] - 27 May 1951: Owen, J.S.: ZMUC: 5 [5 - **5**] - 6 June 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 13 June 1951: Owen, J.S.: FMNH: 2 [2 - **2**] - 14 June 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 7 July 1951: Owen, J.S.: ZMUC: 2 [2 - **2**] - 31 July 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 3 August 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 19 September 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 29 September 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 30 September 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 19 October 1951: Owen, J.S.: FMNH: 1 [1 - **1**] - 28 January 1952: Owen, J.S.: FMNH: 1 [1 - **1**] - 17 February 1952: Owen, J.S.: FMNH: 1 [1 - **1**] - 22 February 1952: Owen, J.S.: FMNH: 1 [1 - **1**] - 25 February 1952: Owen, J.S.: FMNH: 2 [2 - **2**] - 28 February 1952: Owen, J.S.: FMNH: 22 [22 - **22**] - 2 March 1952: Owen, J.S.: FMNH: 1 [1 - **1**] - 6 March 1952: Owen, J.S.: FMNH: 4 [4 - **4**] - 6 August 1952: Owen, J.S.: FMNH: 2 [2 - **2**] - 21 August 1952: Owen, J.S.: FMNH: 2 [2 - **2**] - 4 October 1952: Owen, J.S.: FMNH: 1 [1 - **1**] - 13 December 1977: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **347**].

Torit district: Collection Date Unknown: Hoogstraal, Harry H.: FMNH: 6 [6 - **6**] - 22 October 1949: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 26 October 1949: Hoogstraal, Harry H.: USNM: 5 [5 - **5**] - 28 October 1949: Hoogstraal, Harry H.: USNM: 3 [3 - **3**] - 6 November 1949: Hoogstraal, Harry H.: USNM: 5 [5 - **5**] - 12 December 1949: Hoogstraal, Harry H.: USNM: 3 [3 - **3**] - 1 January 1950: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 2 January 1950: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 3 January 1950: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 19 January 1950: Hoogstraal, Harry H.: USNM: 3 [3 - **3**] - 28 January 1950: Hoogstraal, Harry H.: USNM: 2 [2 - **2**] - 9 February 1950: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 13 February 1950: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 24 February 1950: Hoogstraal, Harry H.: USNM: 1 [1 - **1**] - 8 March 1950: Queeny, Edgar M.: AMNH: 13 [13 - **13**] - 16 March 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **48**].

Torit, 36 mi S: 20 August 1946: Anderson, A.B.: FMNH: 1 [1 - **1**] - 23 August 1946: Anderson, A.B.: FMNH: 1 [1 - **1** - **2**].

Torit, 80 km E: 13 December 1977: Nikolaus, Gerhard: SMNS: 1 [1 - **1**] - 15 December 1977: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **2**].
Torit, near: 8 March 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **1**].
Tungu, mount: 6 March 1952: de Saeger, H.; *et al.*: RBINS: 1 [1 - **1**] - 17 June 1952: de Saeger, H.; *et al.*: RBINS: 2 [2 - **2** - **3**].
Uma River: 10 February 1910: Mearns, Edgar Alexander: USNM: 1 [1 - **1** - **1**].
Umbarbit: 12 March 1928: Brown, W.: USNM: 4 [4 - **4** - **4**].
Unknown province: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Wau: 8 July 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 14 July 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 15 July 1982: Moritz, Laura J.: MSU: 4 [4 - **4**] - 16 July 1982: Moritz, Laura J.: MSU: 2 [2 - **2**] - 20 July 1982: Moritz, Laura J.: MSU: 23 [23 - **23**] - 25 July 1982: Moritz, Laura J.: MSU: 8 [8 - **8**] - 2 August 1982: Moritz, Laura J.: MSU: 2 [2 - **2**] - 5 August 1982: Moritz, Laura J.: MSU: 9 [9 - **9**] - 12 August 1982: Moritz, Laura J.: MSU: 13 [13 - **13**] - 17 August 1982: Moritz, Laura J.: MSU: 10 [10 - **10**] - 18 August 1982: Moritz, Laura J.: MSU: 10 [10 - **10**] - 22 August 1982: Moritz, Laura J.: MSU: 4 [4 - **4**] - 26 August 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 28 August 1982: Moritz, Laura J.: MSU: 6 [6 - **6**] - 5 September 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 17 September 1982: Moritz, Laura J.: MSU: 3 [3 - **3**] - 23 September 1982: Moritz, Laura J.: MSU: 4 [4 - **4**] - 5 October 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 15 October 1982: Moritz, Laura J.: MSU: 6 [6 - **6**] - 20 October 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 21 October 1982: Moritz, Laura J.: MSU: 2 [2 - **2**] - 28 October 1982: Moritz, Laura J.: MSU: 5 [5 - **5**] - 30 October 1982: Moritz, Laura J.: MSU: 3 [3 - **3**] - 6 November 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 27 November 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 25 January 1983: Moritz, Laura J.: MSU: 2 [2 - **2** - **124**].
Wau, 100 mi N: 1 January 1954: Owen, J.S.: FMNH: 6 [6 - **6** - **6**].
Wau, 3 mi S: 2 August 1982: Moritz, Laura J.: MSU: 1 [1 - **1** - **1**].
Wau-Agok: 23 October 1982: Moritz, Laura J.: MSU: 2 [2 - **2** - **2**].
Wudu Market: 22 August 2011: ?: Collector Unknown: USNM: 3 [3 - **3** - **3**].
Yambio: Collection Date Unknown: ?: Collector Unknown: ROM: 2 [2 - **2**] - 25 August 1953: Owen, J.S.: FMNH: 2 [2 - **2**] - 15 March 1974: Sutton, J.; Archer, T.: ROM: 7 [7 - **7**] - 16 March 1974: Sutton, J.; Archer, T.: ROM: 3 [3 - **3**] - 20 March 1974: Sutton, J.; Archer, T.: ROM: 1 [1 - **1**] - 21 March 1974: Sutton, J.; Archer, T.: ROM: 3 [3 - **3**] - 22 March 1974: Sutton, J.; Archer, T.: ROM: 5 [5 - **5**] - 23 March 1974: Sutton, J.; Archer, T.: ROM: 1 [1 - **1** - **24**].
Yambio, FFI: 28 July 2012: ?: Collector Unknown: USNM: 8 [8 - **8**] - 29 July 2012: ?: Collector Unknown: USNM: 10 [10 - **10**] - 6 June 2013: Langan, Esther M.: USNM: 1 [1 - **1** - **19**].
Yambio, Wildlife Office compound: 18 July 2012: ?: Collector Unknown: USNM: 10 [10 - **10**] - 30 July 2012: ?: Collector Unknown: USNM: 4 [4 - **4** - **14**].
Yei: 13 June 1962: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Yirol: Collection Date Unknown: Cade, C.E.: FMNH: 1 [1 - **1**] - 1 January 1951: Owen, J.S.: FMNH: 2 [2 - **2**] - 26 January 1951: Owen, J.S.: FMNH: 1 [1 - **1** - **4**].
Yirol District: 24 March 1950: Queeny, Edgar M.: AMNH: 12 [12 - **12** - **12**].

Total Specimens for South Sudan: 2534

Spain

Agulo: 15 September 1987: EBD: 2, MNH: 2 [4 - **4** - **4**].
Barranco de La Cantera: 1 September 1987: Trujillo, Domingo: MNH: 1 [1 - **1** - **1**].
Las Palmas: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Menorca Island: Collection Date Unknown: ?: Collector Unknown: MNCN: 1 [1 - **1** - **1**].
Tenerife: Collection Date Unknown: ?: Collector Unknown: MNHN: 1, SMF: 1 [2 - **2** - **2**].

Total Specimens for Spain: 9

Sudan

Unknown locality: Collection Date Unknown: BMNH: 149, MNHN: 1, SMF: 2, ZFMK: 3, ZMB: 2 [157]; : BMNH: 1 [1]; El Rayah, M.A.: ROM: 1 [1]; Hoogstraal, Harry H.: AMNH: 5 [5]; Moritz, Laura J.: MSU: 1 [1]; Nikolaus, Gerhard: SMNS: 1 [1]; Rift Valley Expedition, The: BMNH: 1 [1]; Rothschild, Nathanial Charles: BMNH: 1 [1 - **168**] - 6 September 1962: ?: Collector Unknown: SMF: 1 [1 - **1**] - 28 March 1965: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1982: Moritz, Laura J.: MSU: 4 [4 - **4** - **174**].
5th cataract of the Nile: Collection Date Unknown: Galton, Francis: BMNH: 1 [1 - **1** - **1**].
Abu Tiga Forest Reserve: 19 March 1964: Gaudchau, M.: SMF: 6 [6 - **6** - **6**].
Abu Zeit: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Abu Zor: 4 February 1913: ?: Collector Unknown: MCZ: 11 [11]; Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: FMNH: 1, MCZ: 3 [4 - **15**] - 5 February 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1** - **16**].
Al Jabalayn: 26 January 1927: Anthony, Harold Elmer: WAM: 1 [1 - **1** - **1**].
An Nil al Azraq state: 2 June 1962: : SMF: 1 [1 - **1**] - 25 June 1962: : SMF: 1 [1 - **1** - **2**].
Angolo: 28 March 1965: Kock, Dieter: SMF: 7 [7 - **7** - **7**].
Aradeiba: 14 January 1913: Allen, Glover Morrill; Phillips Sudan Expedition, The: MCZ: 1 [1 - **1**] - 20 January 1913: Allen, Glover Morrill; Phillips Sudan Expedition, The: MCZ: 1 [1 - **1**] - 22 January 1913: Allen, Glover Morrill; Phillips Sudan Expedition, The: MCZ: 1 [1]; Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 2 [2 - **3** - **5**].
Aroma Madart, 13 mi [= 21 km] SSE: 6 October 1926: Johnston, H.B.: USNM: 1 [1 - **1** - **1**].
Bados: 6 January 1913: Allen, Glover Morrill: FMNH: 1 [1 - **1**] - 2 February 1913: ?: Collector Unknown: MCZ: 1 [1 - **1**] - 3 February 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1** - **3**].
Bahr el Abiad: Collection Date Unknown: : BMNH: 4 [4]; Von Heuglin, Theodor: SMF: 1 [1 - **5** - **5**].
Bahr el Shagal: Collection Date Unknown: Koenig, Alexander Ferdinand: ZMB: 1 [1 - **1** - **1**].
Bahr el Zeraf, Gebel Geraf: 10 March 1913: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Barakat: Collection Date Unknown: Owen, J.S.: FMNH: 1 [1 - **1**] - 18 August 1940: El Rayah, M.A.: ROM: 1 [1 - **1**] - 6 April 1953: Owen, J.S.: FMNH: 1 [1 - **1** - **3**].

Batn el Hajjar: Collection Date Unknown: Von Heuglin, Theodor: NMW: 1 [1 - **1** - **1**].
Bellegas: 1 January 1855: Von Heuglin, Theodor: SMNS: 1 [1 - **1** - **1**].
Bunzuga: 29 March 1963: : SMF: 2 [2 - **2**] - 30 March 1963: : SMF: 2 [2 - **2**] - 31 March 1963: : SMF: 1 [1 - **1**] - 2 April 1963: : SMF: 9 [9 - **9** - **14**].
Buram: 17 October 1962: Kock, Dieter: SMF: 1 [1 - **1**] - 2 November 1962: : SMF: 7 [7]; Kock, Dieter: SMF: 5 [5 - **12**] - 26 January 1965: Kock, Dieter: SMF: 10 [10 - **10**] - 3 March 1965: Kock, Dieter: SMF: 24 [24 - **24**] - 11 March 1965: Kock, Dieter: SMF: 1 [1 - **1** - **48**].
Dad Majok: 29 March 1907: Butler, A.L.: BMNH: 2 [2 - **2** - **2**].
Delami: 12 July 1927: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].
Dilling: 17 July 1962: ?: Collector Unknown: SMF: 10 [10]; : SMF: 10 [10 - **20**] - 19 July 1962: : SMF: 4 [4 - **4**] - 20 July 1962: : SMF: 1 [1 - **1**] - 22 July 1962: : SMF: 1 [1 - **1**] - 23 July 1962: : SMF: 2 [2 - **2**] - 21 January 1975: El Rayah, M.A.: ROM: 36 [36 - **36** - **64**].
Disa: 19 June 1967: Allison, F.R.: BMNH: 1 [1 - **1**] - 20 August 1967: Allison, F.R.: BMNH: 1 [1 - **1**] - 25 August 1967: Allison, F.R.: BMNH: 1 [1 - **1** - **3**].
Djebel Zeraf [=Zeraf Jebel]: Collection Date Unknown: Schwarz: ZMB: 1 [1 - **1** - **1**].
Dongola: Collection Date Unknown: Steiner, H.: ZMB: 1 [1]; Wilcke: ZMB: 1 [1 - **2**] - 20 November 1950: El Rayah, M.A.: ROM: 1 [1 - **1**] - 7 December 2010: Benda, Petr; Šmíd, J.: NMP: 2 [2 - **2** - **5**].
Dulaba: 4 March 1928: Brown, W.: USNM: 1 [1 - **1** - **1**].
El Abrad: 14 February 1913: ?: Collector Unknown: MCZ: 2 [2 - **2** - **2**].
El Dueim: 20 January 1927: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].
El Garef: 8 January 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1**] - 9 January 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: FMNH: 1, MCZ: 1 [2 - **2**] - 10 January 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 3 [3 - **3**] - 1 February 1913: ?: Collector Unknown: MCZ: 1 [1]; Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **2**] - 6 February 1913: ?: Collector Unknown: MCZ: 2 [2 - **2** - **10**].
El Gueisi: 28 March 1963: : SMF: 4 [4 - **4** - **4**].
El Lagowa: 13 November 1962: : SMF: 1 [1 - **1** - **1**].
El Obeid: 1 February 1963: ?: Collector Unknown: SMF: 10 [10 - **10**] - 2 February 1963: : SMF: 4 [4 - **4** - **14**].
En Nabbaka: 16 March 1914: Wettstein, Otto Ritter von Westersheim: NMW: 1 [1 - **1** - **1**].
Erkovit: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2**] - 5 April 1914: Lynes, Hubert: BMNH: 1 [1 - **1** - **3**].
Fashoda, near: 27 January 1914: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].
Fazogli: 16 January 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1**] - 19 January 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 3 [3 - **3**] - 20 January 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1** - **5**].
Ferka: 10 December 2010: Benda, Petr; Šmíd, J.: NMP: 1 [1 - **1** - **1**].
Fung: 4 August 1931: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].
Gallabat: Collection Date Unknown: Cheeseman, W.: BMNH: 2 [2]; Von Marno, E.: NMW: 3 [3 - **5**] - 21 January 1926: Cheesman, Robert Ernest: FMNH: 1 [1 - **1**] - 22 January 1926: Cheesman, Robert Ernest: FMNH: 2, USNM: 1 [3 - **3**] - 1 February 1926: Cheesman, Robert Ernest: FMNH: 1 [1 - **1**] - 6 February 1926: Cheesman, Robert Ernest: FMNH: 1 [1 - **1** - **11**].
Jebel Aulia: Collection Date Unknown: Anderson; Witherby, H.F.: BMNH: 2 [2 - **2**] - 10 May 1900: Anderson; Witherby, H.F.: BMNH: 1 [1 - **1**] - 15 February 1910: Koenig, Alexander Ferdinand: ZFMK: 2 [2 - **2**] - 7 May 1977: El Rayah, M.A.: ROM: 1 [1 - **1**] - 5 July 1977: El Rayah, M.A.: ROM: 29 [29 - **29** - **35**].
Jebel Digodo: 30 March 1965: : SMF: 16 [16 - **16** - **16**].
Jebel El Airag: 7 March 1961: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].
Jebel el Azraq: 1 April 1954: Owen, J.S.: FMNH: 1 [1 - **1**] - 15 April 1954: ?: Collector Unknown: FMNH: 2 [2]; Owen, J.S.: FMNH: 3 [3 - **5**] - 21 June 1954: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 1 March 1961: Marrogordato, J.G.: HZM: 9 [9 - **9** - **16**].
Jebel el Funj: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Jebel Maba: Collection Date Unknown: Flower, Stanley Smyth: BMNH: 2 [2 - **2** - **2**].
Jebel Marra, S foothills: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 5 April 1921: Lynes, Hubert; Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **2**].
Jebel Moba: Collection Date Unknown: Butler, J.: BMNH: 1 [1 - **1** - **1**].
Jebel Talao: 12 October 1962: : SMF: 1 [1 - **1**] - 13 October 1962: : SMF: 36 [36 - **36**] - 22 October 1962: : SMF: 1 [1 - **1**] - 12 February 1963: ?: Collector Unknown: SMF: 1 [1]; : SMF: 26 [26 - **27**] - 16 February 1963: : SMF: 1 [1 - **1**] - 6 January 1965: : SMF: 18 [18]; Kock, Dieter: SMF: 3 [3 - **21** - **87**].
Jebel Toro: 25 January 1965: : SMF: 3 [3]; Kock, Dieter: SMF: 4 [4 - **7** - **7**].
Jebelein: Collection Date Unknown: Anthony, Harold Elmer: AMNH: 35 [35 - **35**] - 14 October 1963: : SMF: 27 [27 - **27** - **62**].
Kadugli: 20 January 1927: Rutledge, W.: BMNH: 1 [1 - **1**] - 4 September 1962: ?: Collector Unknown: SMF: 1 [1 - **1**] - 12 September 1962: : SMF: 9 [9 - **9**] - 4 October 1962: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 October 1962: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 October 1962: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 October 1962: ?: Collector Unknown: SMF: 1 [1 - **1**] - 23 October 1962: ?: Collector Unknown: SMF: 3 [3 - **3**] - 28 October 1962: Kock, Dieter: SMF: 1 [1 - **1**] - 2 November 1962: Kock, Dieter: SMF: 1 [1 - **1**] - 10 December 1962: : SMF: 1 [1]; Kock, Dieter: SMF: 6 [6 - **7**] - 15 December 1962: ?: Collector Unknown: SMF: 3 [3 - **3**] - 16 December 1962: Kock, Dieter: SMF: 2 [2 - **2**] - 4 January 1963: : SMF: 3 [3]; Kock, Dieter: SMF: 2 [2 - **5**] - 5 January 1963: ?: Collector Unknown: SMF: 1 [1 - **1**] - 10 January 1963: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 January 1963: : SMF: 3 [3 - **3**] - 12 January 1963: ?: Collector Unknown: SMF: 5 [5 - **5**] - 17 January 1963: : SMF: 3 [3 - **3**] - 18 January 1963: : SMF: 6 [6 - **6**] - 21 January 1963: ?: Collector Unknown: SMF: 2 [2 - **2**] - 23 February 1963: Kock, Dieter: SMF: 1 [1 - **1**] - 27 February 1963: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 March 1963: : SMF: 1 [1]; Kock, Dieter: SMF: 2 [2 - **3**] - 9 March 1963: Kock, Dieter: SMF: 2 [2 - **2**] - 10 March 1963: ?: Collector Unknown: SMF: 2 [2 - **2**] - 13 March 1963: Kock, Dieter: SMF: 1 [1 - **1**] - 10 October 1963: ?: Collector Unknown: SMF: 1 [1 - **1**] - 12 December 1964: Kock, Dieter: SMF: 2 [2 - **2**] - 31 December 1964: ?: Collector Unknown: SMF: 1 [1 - **1**] - 14 January 1965: : SMF: 3 [3 - **3** - **75**].
Kajo Kaji, 10 km W: 25 July 1978: Nikolaus, Gerhard: SMNS: 6 [6 - **6** - **6**].
Kamisu: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Kanisa Janu: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Kassala: 6 October 1926: El Rayah, M.A.: ROM: 1 [1]; Johnston, H.B.: FMNH: 1 [1 - **2**] - 9 October 1926: El Rayah, M.A.: ROM: 1 [1 - **1** - **3**].

Kerma: 5 March 1904: Rothschild, Nathanial Charles: MCZ: 1 [1 - **1**] - 1 January 1983: Chaix, L.: MHNG: 1 [1 - **1** - **2**].

Khartoum: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, MNHN: 2, ZMB: 1 [4]; : BMNH: 1 [1]; Kolenati, Friedrich Anton: SMNS: 1 [1]; Lepsius: ZMB: 1 [1]; Pethneck: BMNH: 1 [1]; Von Marno, E.: NMW: 15 [15 - **23**] - 1 January 1882: Voisin: MNHN: 1 [1 - **1**] - 21 March 1910: Loring, John Alden: USNM: 2 [2 - **2**] - 22 March 1910: Heller, Edmund: USNM: 7 [7 - **7**] - 6 May 1924: El Rayah, M.A.: ROM: 1 [1 - **1**] - 28 May 1925: El Rayah, M.A.: ROM: 1 [1 - **1**] - 2 April 1953: Owen, J.S.: FMNH: 2 [2 - **2**] - 3 April 1953: Owen, J.S.: FMNH: 2 [2 - **2**] - 10 April 1953: Owen, J.S.: FMNH: 4 [4 - **4**] - 25 March 1954: Owen, J.S.: FMNH: 1 [1 - **1**] - 28 April 1954: Owen, J.S.: FMNH: 3 [3 - **3**] - 1 May 1954: Owen, J.S.: FMNH: 1 [1 - **1**] - 1 June 1954: Owen, J.S.: FMNH: 2 [2 - **2**] - 4 July 1955: El Rayah, M.A.: ROM: 1 [1 - **1**] - 27 July 1959: El Rayah, M.A.: ROM: 1 [1 - **1**] - 1 October 1961: : SMF: 22 [22 - **22**] - 8 October 1961: Celo, F.: SMF: 12 [12 - **12**] - 27 October 1962: Celo, F.: SMF: 6 [6 - **6**] - 28 November 1964: ?: Collector Unknown: SMF: 5 [5 - **5**] - 29 November 1964: ?: Collector Unknown: SMF: 9 [9 - **9**] - 3 December 1964: ?: Collector Unknown: SMF: 7 [7 - **7**] - 2 October 1970: ?: Collector Unknown: IVB: 1 [1 - **1**] - 13 June 1975: El Rayah, M.A.: ROM: 1 [1 - **1**] - 13 June 1976: El Rayah, M.A.: ROM: 1 [1 - **1**] - 4 July 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 5 July 1982: Moritz, Laura J.: MSU: 1 [1 - **1**] - 3 March 1984: Walen, A.: ZMA: 1 [1 - **1**] - 14 March 1984: Walen, A.: ZMA: 15 [15 - **15** - **134**].

Khartoum or Sennaar: Collection Date Unknown: Kotschy, Th.: NMW: 1 [1 - **1** - **1**].

Khartoum state: 28 May 1925: El Rayah, M.A.: ROM: 1 [1 - **1**] - 1 January 1987: ?: Collector Unknown: SMF: 6 [6 - **6**] - 1 January 1991: ?: Collector Unknown: SMF: 3 [3 - **3**] - 1 May 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 June 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 July 1991: ?: Collector Unknown: SMF: 1 [1]; DeWinton, W.E.: SMF: 1 [1 - **2** - **14**].

Khartoum, 100 mi S of: 17 January 1927: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].

Khartoum, University Campus: Collection Date Unknown: Musin, Abdel; Hamid: SMF: 1 [1 - **1** - **1**].

Khor Mallum: 21 February 1920: Lynes, J.: USNM: 1 [1 - **1** - **1**].

Khor Umm Adara: 23 January 1965: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Khuwei, 7 mi N: 11 March 1984: Walen, A.: ZMA: 6 [6 - **6** - **6**].

Kologi: 4 February 1963: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 February 1963: ?: Collector Unknown: SMF: 2 [2 - **2** - **3**].

Kordofan: Collection Date Unknown: : SMF: 1 [1]; Kotschy, Th.: BMNH: 1 [1]; Kotschy, Th.; Parrey: BMNH: 1 [1]; Rüppell, Wilhem Peter Edward Simon: RMNH: 1, SMF: 3 [4 - **7**] - 1 January 1825: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 February 1825: : SMF: 1 [1 - **1**] - 1 January 1826: : SMF: 1 [1 - **1** - **10**].

Kordofan province: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Kosti: 21 January 1927: Anthony, Harold Elmer: AMNH: 1 [1 - **1** - **1**].

Lafoon: 23 November 1949: Hoogstraal, Harry H.: FMNH: 6 [6 - **6** - **6**].

Loki: Collection Date Unknown: Owen, J.S.: FMNH: 5 [5 - **5** - **5**].

Luem: 18 March 1949: Owen, J.S.: ZMUC: 1 [1 - **1** - **1**].

Magangani: 28 January 1913: ?: Collector Unknown: MCZ: 2 [2]; Phillips, John Charles: MCZ: 1 [1 - **3**] - 29 January 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **1** - **4**].

Mangangani: 25 January 1913: Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: AMNH: 1 [1 - **1** - **1**].

Maridi: 7 February 1977: Nikolaus, Gerhard: SMNS: 2 [2 - **2**] - 7 August 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **3**].

Merowe: 15 March 1904: Rothschild, Nathanial Charles: BMNH: 2 [2 - **2** - **2**].

Musran Island: 23 January 1927: Anthony, Harold Elmer: AMNH: 8 [8 - **8** - **8**].

Musran Island, North end: 23 January 1927: Anthony, Harold Elmer: AMNH: 6 [6 - **6**] - 24 January 1927: Anthony, Harold Elmer: AMNH: 2 [2 - **2** - **8**].

Nuba mountains: 4 December 1971: El Rayah, M.A.: ROM: 2 [2 - **2**] - 20 December 1971: El Rayah, M.A.: ROM: 18 [18 - **18** - **20**].

Nuba Mountains, N edge: 20 March 1914: Wettstein, Otto Ritter von Westersheim: NMW: 1 [1 - **1** - **1**].

Nubia: Collection Date Unknown: ?: Collector Unknown: MNHN: 2, NMV: 1 [3]; de Selys-Longschamps, Edmond: RBINS: 1 [1]; Doria, Giacomo: ZMB: 1 [1]; Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1]; Verreaux, Jules Pierre: ZMB: 1 [1 - **7**] - 1 January 1887: ?: Collector Unknown: RMNH: 1 [1 - **1** - **8**].

Nubian Desert: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Old Dongola: 20 November 1950: El Rayah, M.A.: ROM: 3 [3 - **3** - **3**].

Omdurman: 17 June 1977: El Rayah, M.A.: ROM: 95 [95 - **95** - **95**].

Port Sudan: 1 January 1908: Nicolosi, G.: MSNG: 1 [1 - **1**] - 21 November 1965: : SMF: 1 [1 - **1** - **2**].

Raffile: 13 September 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Rheika: 9 January 1963: Kock, Dieter: SMF: 1 [1 - **1**] - 8 March 1965: : SMF: 6 [6 - **6**] - 11 March 1965: ?: Collector Unknown: SMF: 1 [1]; : SMF: 1 [1]; Kock, Dieter: SMF: 3 [3 - **5**] - 24 March 1965: : SMF: 5 [5]; Kock, Dieter: SMF: 3 [3 - **8** - **20**].

Rikki river: 5 April 1979: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].

Ronga Forest Reserve: 26 March 1963: : SMF: 2 [2 - **2** - **2**].

Roseires: 22 January 1913: ?: Collector Unknown: MCZ: 1 [1 - **1** - **1**].

S Jebel Marra, foothills: 3 April 1924: Lynes, Hubert; Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Semeih: 3 February 1963: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 April 1965: ?: Collector Unknown: SMF: 2 [2]; : SMF: 1 [1 - **3**] - 9 April 1965: : SMF: 1 [1 - **1** - **5**].

Sennaar: Collection Date Unknown: Van Parreyss: NMW: 1 [1 - **1**] - 1 August 1853: Heuglin, Martin Theodor von: NMW: 1 [1 - **1** - **2**].

Sennaar, 20 mi [=30 km] above: 13 December 1913: Lowe, Willoughby P.: BMNH: 1 [1 - **1** - **1**].

Sennar: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5]; : BMNH: 1, SMF: 1 [2]; Anatomische Sammlung, Die: ZMB: 3 [3]; Hedenborg: ZMB: 1 [1]; Heuglin, Martin Theodor von: ZMB: 1 [1]; Prévost, J.: RBINS: 1 [1]; von Barnim, Hartmann: ZMB: 1 [1 - **14**] - 1 January 1824: : SMF: 2 [2 - **2**] - 1 January 1837: Botta, Paolo Emilio: RMNH: 1 [1 - **1**] - 1 January 1840: Rüppell, Wilhem Peter Edward Simon: SMF: 1 [1 - **1**] - 1 January 1855: : SMF: 1 [1 - **1**] - 7 April 1953: Owen, J.S.: FMNH: 1 [1 - **1**] - 31 August 1961: : SMF: 1 [1 - **1**] - 24 September 1961: : SMF: 1 [1 - **1** - **22**].

Sennar state: Collection Date Unknown: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1987: ?: Collector Unknown: SMF: 9 [9 - **9**] - 1 January 1988: ?: Collector Unknown: SMF: 4 [4 - **4** - **14**].

Shendi: 1 January 1824: Rüppell, Wilhem Peter Edward Simon: SMF: 2 [2 - **2**] - 10 March 1901: Rothschild, Nathanial Charles; Wollaster, A.F.R.: BMNH: 2 [2 - **2** - **4**].

Shendy: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Rothschild, Nathanial Charles: USNM: 3 [3 - **4** - **4**].

Sherkeila: 4 March 1951: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].

Singa: 28 December 1912: ?: Collector Unknown: MCZ: 1 [1]; Phillips, John Charles; Allen, Glover Morrill; Phillips Sudan Expedition, the: MCZ: 1 [1 - **2** - **2**].

South Darfur state: 11 March 1965: Kock, Dieter: SMF: 1 [1 - **1** - **1**].
South Kordofan state: 10 January 1963: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 January 1963: : SMF: 1 [1 - **1**] - 22 February 1963: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].
Suakin: 24 November 1964: : SMF: 30 [30 - **30**] - 23 April 1965: : SMF: 4 [4 - **4** - **34**].
Subeigh Forest Reserve: 13 March 1963: : SMF: 1 [1 - **1**] - 18 March 1963: : SMF: 2 [2 - **2**] - 19 March 1963: : SMF: 1 [1 - **1**] - 20 March 1963: : SMF: 2 [2 - **2**] - 22 March 1963: : SMF: 1 [1 - **1**] - 23 March 1963: : SMF: 2 [2 - **2**] - 26 March 1963: : SMF: 3 [3 - **3**] - 2 April 1963: : SMF: 1 [1]; Kock, Dieter: SMF: 3 [3 - **4**] - 26 January 1965: Kock, Dieter: SMF: 3 [3 - **3** - **19**].
Sue River: 13 September 1978: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
Suki: 16 March 1963: : SMF: 5 [5 - **5** - **5**].
Suni: 28 June 1983: Nikolaus, Gerhard: SMNS: 1 [1 - **1** - **1**].
Tadoro: 26 December 1946: : SMF: 3 [3 - **3**] - 25 December 1964: Kock, Dieter: SMF: 1 [1 - **1**] - 26 December 1964: Kock, Dieter: SMF: 1 [1 - **1**] - 17 January 1965: : SMF: 1 [1 - **1**] - 2 February 1965: Kock, Dieter: SMF: 1 [1 - **1**] - 3 February 1965: : SMF: 1 [1 - **1**] - 6 February 1965: : SMF: 1 [1 - **1**] - 25 February 1965: : SMF: 2 [2 - **2**] - 2 March 1965: : SMF: 1 [1 - **1**] - 6 March 1965: Kock, Dieter: SMF: 1 [1 - **1**] - 26 March 1965: : SMF: 1 [1 - **1**] - 30 March 1965: : SMF: 1 [1 - **1** - **15**].
Talodi: 4 February 1927: El Rayah, M.A.: ROM: 1 [1 - **1** - **1**].
Tambura, 45 km N: 2 February 1977: Nikolaus, Gerhard: SMNS: 2 [2 - **2** - **2**].
Telaweit: 18 February 1967: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 21 February 1967: Hoogstraal, Harry H.: FMNH: 3 [3 - **3**] - 23 February 1967: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 24 February 1967: Hoogstraal, Harry H.: FMNH: 2 [2 - **2**] - 27 February 1967: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 28 February 1967: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 27 November 1972: Hoogstraal, Harry H.: FMNH: 2 [2]; Kaiser, M.N.: FMNH: 1 [1 - **3**] - 5 December 1972: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 12 December 1972: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **15**].
Tossari: 12 February 1965: : SMF: 2 [2 - **2**] - 17 February 1965: : SMF: 6 [6 - **6** - **8**].
Upper White Nile: Collection Date Unknown: Schneider: ZMB: 1 [1 - **1** - **1**].
Wad Marium: 12 May 1900: Anderson; Witherby, H.F.: BMNH: 1 [1 - **1** - **1**].
Wad Medani: Collection Date Unknown: ?: Collector Unknown: USNM: 3 [3 - **3**] - 6 December 1923: Bowe, W.W.: ROM: 1 [1]; El Rayah, M.A.: ROM: 2 [2 - **3**] - 12 October 1938: El Rayah, M.A.: ROM: 1 [1 - **1**] - 14 August 1941: El Rayah, M.A.: ROM: 1 [1 - **1**] - 9 May 1942: El Rayah, M.A.: ROM: 1 [1 - **1**] - 28 October 1943: Lewis, D.J.: BMNH: 1 [1 - **1**] - 1 January 1948: Hoogstraal, Harry H.: FMNH: 7 [7 - **7**] - 1 January 1950: Hoogstraal, Harry H.: FMNH: 3 [3]; Lewis, D.J.: FMNH: 1 [1 - **4**] - 31 January 1950: Hoogstraal, Harry H.: USNM: 3 [3 - **3**] - 31 May 1962: : SMF: 5 [5 - **5**] - 2 June 1962: : SMF: 15 [15 - **15**] - 25 June 1962: : SMF: 1 [1 - **1** - **45**].
Wadi Alagi: 12 August 1903: MacKilligan, Arthur M.: BMNH: 1 [1 - **1**] - 14 August 1903: MacKilligan, Arthur M.: BMNH: 1 [1 - **1** - **2**].
Wadi Halfa: Collection Date Unknown: Bona, F.: MHNG: 3 [3 - **3** - **3**].
Wagga, mount: Collection Date Unknown: Phillips, E.: BMNH: 4 [4 - **4**] - 2 March 1897: Phillips, E.: BMNH: 3 [3 - **3** - **7**].
Wanalerel: 2 March 1974: Sutton, J.; Archer, T.: ROM: 1 [1 - **1** - **1**].
Weißer Nil [=Bahr-el-Abyat]: Collection Date Unknown: Schweinfurth, Georg: ZMB: 3 [3 - **3** - **3**].
White Nile: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 1 January 1924: Osler, H.S.: ROM: 1 [1 - **1** - **6**].
Zalingei: 28 May 1921: Lowe, Willoughby P.: BMNH: 1 [1 - **1**] - 30 May 1921: Lowe, Willoughby P.: BMNH: 1 [1]; Lynes, Hubert; Lowe, Willoughby P.: BMNH: 1 [1 - **2**] - 31 May 1921: Lowe, Willoughby P.: BMNH: 1 [1]; Lynes, Hubert; Lowe, Willoughby P.: BMNH: 1 [1 - **2**] - 14 April 1964: El Sayed: ROM: 1 [1 - **1** - **6**].
Zeraf, Jebel [=mountain]: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].

Total Specimens for Sudan: 1345

Swaziland

Unknown locality: Collection Date Unknown: BMNH: 15 [15 - **15** - **15**].
Allen's Farm: 10 January 1996: ?: Collector Unknown: TM: 1 [1 - **1**] - 18 January 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Balagane: 12 January 1972: Jones, Theo Simpson: ROM: 5 [5 - **5**] - 4 December 1972: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 23 December 1972: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 4 January 1973: Jones, Theo Simpson: ROM: 1 [1 - **1** - **8**].
Balegane: 5 May 1974: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
Bar Circle Ranches: 15 February 1996: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Barites Mine: 13 August 2005: ?: Collector Unknown: DNSM: 4 [4 - **4**] - 13 September 2005: ?: Collector Unknown: DNSM: 2 [2 - **2** - **6**].
Bethlehem Mission: 20 March 1996: Monadjem, Ara: TM: 2 [2 - **2** - **2**].
Bhubesi Camp: 17 October 2005: Monadjem, Ara: TM: 2 [2 - **2** - **2**].
Big Bend: Collection Date Unknown: Washington (Expedition), Barry W.: TM: 1 [1 - **1**] - 20 March 1994: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 February 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **3**].
Byrhytes mine: 12 February 1996: Monadjem, Ara: TM: 1 [1 - **1**] - 6 December 1997: Monadjem, Ara: DNSM: 1 [1 - **1** - **2**].
Dinedor: 2 August 1995: Monadjem, Ara: TM: 1 [1 - **1** - **1**].
Dinedor Ranch: 9 May 1996: ?: Collector Unknown: TM: 1 [1 - **1**] - 10 May 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Dwalile Primary School: 26 March 1996: Monadjem, Ara: TM: 2 [2 - **2** - **2**].
Ebaleni: 2 September 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 September 2005: Monadjem, Ara: TM: 2 [2 - **2** - **3**].
Ekuphakameni High School: 15 March 1996: Monadjem, Ara: TM: 1 [1 - **1** - **1**].
Ezulwini: 2 May 1999: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Forbes Gold Mine [=Forbes Reef Gold Mine]: Collection Date Unknown: Monadjem, Ara: TM: 1 [1 - **1**] - 21 September 2005: Monadjem, Ara: TM: 3 [3 - **3** - **4**].
Forbes Reef mine: 8 October 1988: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Franson Christian High: 6 February 1996: ?: Collector Unknown: TM: 1 [1 - **1**] - 6 March 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Hlane: 4 July 1995: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Hlane [2]: 4 July 1995: Monadjem, Ara: TM: 1 [1 - **1**] - 7 July 1995: Monadjem, Ara: TM: 1 [1 - **1** - **2**].
Hlane Nature Reserve: 29 August 2005: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].

Hlatikulu: 7 April 1969: Baddeley, M. St. C.: ROM: 5 [5 - **5** - **5**].
Hlumi Nature Reserve: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Kapola cave: 1 June 2000: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Kubuta: 24 September 2004: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 25 September 2004: ?: Collector Unknown: DNSM: 4 [4 - **4** - **6**].
Kwaluseni: 9 May 1995: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Lomati Gold Mine: 27 October 2004: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
Luyengo: Collection Date Unknown: Monadjem, Ara: TM: 1 [1 - **1**] - 16 April 1994: Monadjem, Ara: TM: 1 [1 - **1**] - 22 July 1994: ?: Collector Unknown: TM: 1 [1 - **1**] - 25 January 1996: Monadjem, Ara: TM: 1 [1 - **1** - **4**].
Maguga: 4 March 1998: ?: Collector Unknown: NMB: 1 [1 - **1**] - 5 March 1998: ?: Collector Unknown: NMB: 4 [4 - **4**] - 6 March 1998: ?: Collector Unknown: NMB: 11 [11 - **11**] - 9 March 1998: ?: Collector Unknown: NMB: 2 [2 - **2** - **18**].
Maguga Dam: 5 February 2005: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Malalotja Cottage: Collection Date Unknown: Monadjem, Ara: TM: 1 [1 - **1** - **1**].
Malkerns: 24 May 1999: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 14 June 2000: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Malolotja Game Reserve: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Malolotja Nature Reserve: 8 April 1994: ?: Collector Unknown: TM: 1 [1 - **1**] - 8 February 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 7 March 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 May 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
Maloma Primary School: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Mbabane: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 October 1972: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Mbuluzi Game Reserve: 15 March 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 3 May 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 4 May 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 August 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 April 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **5**].
Mbuluzi Game Reserve, 3rd river crossing: 8 August 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 9 August 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Mbutfu Primary School: 7 April 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Mhlume - Isherene Road: 21 September 2002: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mhlumeni: 3 February 1972: Jones, Theo Simpson: ROM: 3 [3 - **3** - **3**].
Miawula Nature Reserve: 10 November 2004: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mkhaya Game Reserve: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1]; : TM: 1 [1 - **2**] - 18 March 2006: ?: Collector Unknown: DNSM: 2 [2 - **2** - **4**].
Mkhuzweni Primary School: 18 April 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Mlawula Estates [= Mlawula Nature Reserve]: 1 May 1963: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mlawula Nature Reserve: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 28 February 1994: ?: Collector Unknown: TM: 2 [2 - **2**] - 1 March 1994: Monadjem, Ara: TM: 1 [1 - **1**] - 2 April 1994: ?: Collector Unknown: TM: 2 [2]; Monadjem, Ara: TM: 1 [1 - **3**] - 3 February 1998: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 4 February 1998: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 6 February 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 October 2004: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 6 October 2004: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 6 December 2004: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 24 March 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 25 March 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 March 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 19 January 2006: Monadjem, Ara: TM: 2 [2 - **2**] - 22 March 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 31 July 2007: ?: Collector Unknown: DNSM: 1 [1 - **1** - **24**].
Mlawula Nature Reserve, site 1: 2 February 2006: Monadjem, Ara; Kearney, Teresa Catherine; Seamark Ernest Charles James: TM: 6 [6]; Seamark, Ernest Charles James; Monadjem, Ara: TM: 2 [2 - **8**] - 3 February 2006: Monadjem, Ara; Kearney, Teresa Catherine; Seamark Ernest Charles James: TM: 2 [2 - **2**] - 4 February 2006: Seamark, Ernest Charles James; Monadjem, Ara: TM: 1 [1 - **1** - **11**].
Mlawula Road, 4 km from junction: 3 February 1998: ?: Collector Unknown: DNSM: 5 [5 - **5** - **5**].
Mlawula weir: 7 June 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mlilwane GR.: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Motshane Portion 2/987: 27 January 1998: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Ndabasezwe High School: 7 January 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Ndlovu Camp: 24 May 2005: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 19 April 2006: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 April 2006: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
Ngcoseni Primary: 16 March 1996: Monadjem, Ara: TM: 1 [1 - **1**] - 17 March 1996: Monadjem, Ara: TM: 3 [3 - **3**] - 18 March 1996: Monadjem, Ara: TM: 5 [5 - **5** - **9**].
Ngonini estates: 25 March 2010: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 March 2010: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 27 March 2010: ?: Collector Unknown: DNSM: 2 [2 - **2** - **5**].
Ngwenya [=Byrhtes]: 21 October 1995: ?: Collector Unknown: TM: 1 [1 - **1**] - 21 October 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Nkwene High School: 1 March 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Nottinghill Mine: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1**] - 23 October 2004: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].
Nsoko [=Forbes Ranch]: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3 - **3**] - 6 February 1996: Monadjem, Ara: TM: 1 [1 - **1** - **4**].
Our Lady of Sorrows: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Piggs Peak: 23 May 1916: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Piggs Peak Mine: 23 October 2004: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
Pigg's Peak Mine: 23 October 2004: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Pine Valley: 17 July 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Python Pool: 4 February 1998: ?: Collector Unknown: DNSM: 17 [17 - **17**] - 23 July 2001: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 March 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 27 March 2007: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 28 March 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 11 August 2007: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 28 March 2008: ?: Collector Unknown: DNSM: 1 [1 - **1** - **25**].
Ranches LTD: 1 June 1937: ?: Collector Unknown: TM: 7 [7]; White, A.G.: MCZ: 2 [2 - **9**] - 1 June 1939: ?: Collector Unknown: TM: 2 [2 - **2** - **11**].

Rosecraft: 15 January 2005: Monadjem, Ara: TM: 1 [1 - **1**] - 5 July 2005: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 15 October 2005: Monadjem, Ara: TM: 3 [3 - **3**] - 7 February 2012: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].
Sandleni Primary School: 6 September 1998: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Sikhunyana: 13 June 1995: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Simunye, 10 km N: 11 February 1998: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Simunye, 15 km N: 6 February 1998: ?: Collector Unknown: DNSM: 2 [2 - **2** - **2**].
Siphiso campsite: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 2 February 1998: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 4 February 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 5 February 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 26 July 2001: ?: Collector Unknown: DNSM: 1 [1 - **1** - **6**].
Sithobela Primary School: 6 March 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Siweni Riparian Site: 5 September 2005: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 6 September 2005: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
St. Florence Mission: 21 April 1996: ?: Collector Unknown: TM: 1 [1 - **1**] - 22 April 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
St. Joseph's: 7 June 1995: ?: Collector Unknown: TM: 1 [1 - **1**] - 4 January 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
St. Peregrines: 3 April 1996: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Sundwini: Collection Date Unknown: : TM: 1 [1 - **1**] - 29 August 2005: ?: Collector Unknown: DNSM: 2 [2 - **2**] - 30 August 2005: ?: Collector Unknown: DNSM: 1 [1 - **1** - **4**].
Tshaneni: 12 November 1971: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 6 January 1972: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 3 February 1972: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 26 March 1972: Jones, Theo Simpson: ROM: 3 [3 - **3**] - 2 April 1972: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 6 April 1972: Jones, Theo Simpson: ROM: 21 [21 - **21**] - 13 June 1972: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 19 August 1972: Jones, Theo Simpson: ROM: 16 [16 - **16**] - 1 April 1973: Jones, Theo Simpson: ROM: 1 [1 - **1** - **47**].
T'shaneni: 16 April 1976: Visser, John: FMNH: 1 [1 - **1** - **1**].
Tshaneni lysis Ranch: 28 April 1998: ?: Collector Unknown: DNSM: 3 [3 - **3** - **3**].
UNISWA, Kwaluseni Campus: 11 April 1998: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 April 1998: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].
Wyldesdale: 29 May 1916: ?: Collector Unknown: TM: 2 [2]; Roberts, Austin: TM: 3 [3 - **5** - **5**].
Wyldesdale, in old mine drive: 29 May 1916: Roberts, Austin: TM: 2 [2 - **2** - **2**].
Wylesdale Gold Mine: Collection Date Unknown: : DNSM: 1 [1 - **1**] - 8 January 2005: ?: Collector Unknown: DNSM: 4 [4]; Monadjem, Ara: DNSM: 2 [2 - **6** - **7**].

Total Specimens for Swaziland: 351

Tanzania

Unknown locality: Collection Date Unknown: BMNH: 465, FMNH: 2, HNHM: 1, MCZ: 1, SMF: 25, WAM: 1 [495]; : BMNH: 1, SMF: 3 [4]; Carnochan, Frederic Grosvenor: MCZ: 2 [2]; Cooke, Caleb: MCZ: 3 [3]; Glauning: ZMB: 1 [1]; Howell, Kim M.: SMF: 1 [1]; Kittenberger, K.: HNHM: 1 [1]; Leirs, Herwig: RMCA: 1 [1]; RatZooMan [=Rodent Zoonosis Management] project, The: RMCA: 1 [1]; Reimer: ZMB: 1 [1]; Stegmann-Stein: ZMB: 1 [1]; Stubblefield, L.; Frontier-Project, the: SMF: 1 [1]; Szunyoghy, J.: HNHM: 1 [1]; Telford, Steve: RMCA: 2 [2]; Van Barneveld, H.W.P.: RMNH: 84 [84]; von Marwitz: ZMB: 3 [3]; Willems: ZMB: 1 [1 - **603**] - 1 May 1908: ?: Collector Unknown: RMNH: 2 [2 - **2**] - 1 January 1926: Loveridge, Arthur: USNM: 1 [1 - **1**] - 27 July 1933: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 January 1957: Van Barneveld, H.W.P.: RMNH: 6 [6 - **6**] - 1 February 1957: Van Barneveld, H.W.P.: RMNH: 8 [8 - **8**] - 1 August 1957: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 September 1957: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 October 1957: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 January 1958: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 February 1958: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 March 1958: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 April 1958: Van Barneveld, H.W.P.: RMNH: 4 [4 - **4**] - 1 May 1958: Van Barneveld, H.W.P.: RMNH: 3 [3 - **3**] - 1 June 1958: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 July 1958: Van Barneveld, H.W.P.: RMNH: 2 [2 - **2**] - 1 August 1958: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 19 August 1958: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 September 1958: Van Barneveld, H.W.P.: RMNH: 2 [2 - **2**] - 1 October 1958: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 January 1959: Van Barneveld, H.W.P.: RMNH: 4 [4 - **4**] - 1 February 1959: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 March 1959: Van Barneveld, H.W.P.: RMNH: 2 [2 - **2**] - 1 April 1959: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 16 May 1959: Colley, W.: SMF: 2 [2 - **2**] - 1 August 1959: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 November 1959: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 April 1960: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 May 1960: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 June 1960: Van Barneveld, H.W.P.: RMNH: 5 [5 - **5**] - 1 January 1961: Gray, M.: MSB: 2 [2 - **2**] - 20 February 1962: ?: Collector Unknown: TM: 3 [3 - **3**] - 1 January 1982: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 June 1982: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 April 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 4 April 1987: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 October 1987: ?: Collector Unknown: SMF: 3 [3 - **3**] - 1 January 1992: ?: Collector Unknown: SMF: 2 [2 - **2**] - 4 July 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 February 1993: ?: Collector Unknown: SMF: 1 [1 - **1** - **679**].
"Mosambiro", but actually Usambiro: 9 September 1889: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Amana reef: 24 November 1926: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 29 November 1926: Loveridge, Arthur: MCZ: 1 [1 - **1** - **2**].
Amani: Collection Date Unknown: ?: Collector Unknown: LACM: 1, TM: 1, ZMB: 3 [5]; : BMNH: 2 [2]; Awernizew: ZMB: 1 [1]; Scheffler: ZMB: 1 [1]; Vossler: ZMB: 8 [8 - **17**] - 21 November 1926: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 23 November 1926: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 24 November 1926: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 23 September 1960: Williams, John George: ROM: 1 [1 - **1**] - 20 September 1961: Hobbard, C.H.: TM: 1 [1 - **1**] - 4 April 1962: Heinrich, Gerd H.: YPM: 1 [1]; Hubbard, C. Andresen: TM: 1 [1 - **2**] - 11 April 1962: Heinrich, Gerd H.: YPM: 2 [2 - **2**] - 18 April 1962: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - 29 April 1962: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - 30 April 1962: ?: Collector Unknown: TM: 1 [1 - **1**] - 1 May 1962: Hubbard, C. Andresen: TM: 2 [2 - **2**] - 4 June 1962: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - 4 April 1965: Taylor, R.H.: TM: 1 [1 - **1**] - 16 July 1965: ?: Collector Unknown: TM: 2 [2 - **2**] - 29 September 1982: Telford, Steve: RMCA: 1 [1 - **1**] - 30 September 1982: Telford, Steve: RMCA: 2 [2 - **2**] - 1 September 1985: McInnery: BMNH: 1 [1 - **1** - **39**].
Amani Chemka: 30 September 1982: Telford, Steve: RMCA: 2 [2 - **2** - **2**].
Amani Forest: 6 October 1962: Keith, S.: AMNH: 2 [2 - **2** - **2**].

Amani Nature Forest Reserve, NW-side: 9 February 2000: Frontier Tanzania collection, The: SMF: 2 [2 - **2**] - 10 February 2000: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **3**].

Amani West Forest Reserve: Collection Date Unknown: Howell, Kim M.; Stuart, S.N.: BMNH: 1 [1 - **1** - **1**].

Amani-Sigi Forest Reserve: 5 February 1999: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1**] - 14 March 1999: Frontier Tanzania collection, The: SMF: 2 [2 - **2** - **3**].

Ambangulu Estate: Collection Date Unknown: ?: Collector Unknown: ZMB: 3 [3]; Martienssen: ZMB: 8 [8 - **11**] - 20 February 1981: Howell, Kim M.: SMF: 1 [1 - **1**] - 23 February 1981: Howell, Kim M.: FMNH: 1 [1 - **1**] - 1 July 1991: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 3 July 1991: ?: Collector Unknown: FMNH: 1 [1]; Goodman, Steven M.: FMNH: 12 [12 - **13**] - 4 July 1991: Goodman, Steven M.: FMNH: 5 [5 - **5**] - 5 July 1991: Goodman, Steven M.: FMNH: 3 [3 - **3**] - 7 July 1991: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 13 July 1991: Goodman, Steven M.: FMNH: 4 [4 - **4**] - 15 July 1991: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 20 July 1991: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 22 July 1991: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 23 July 1991: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 26 July 1991: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 28 July 1991: Goodman, Steven M.: FMNH: 3 [3 - **3**] - 29 July 1991: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 29 August 1992: Goodman, Steven M.: FMNH: 3 [3]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **4**] - 30 August 1992: Goodman, Steven M.: FMNH: 1 [1]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **2**] - 31 August 1992: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 1 September 1992: Goodman, Steven M.: FMNH: 5 [5]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **6**] - 2 September 1992: Goodman, Steven M.: FMNH: 9 [9]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **10**] - 3 September 1992: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 4 September 1992: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 18 August 1993: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 19 August 1993: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 22 August 1993: Stanley, William ("Bill") T.: FMNH: 10 [10 - **10**] - 1 September 1993: Newmark, William D.: FMNH: 1 [1 - **1** - **89**].

Ambani caves: 19 July 1965: Taylor, R.H.: TM: 3 [3 - **3** - **3**].

Amboni cave: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 5 July 1966: ?: Collector Unknown: NMK: 6 [6 - **6** - **7**].

Amboni Cave Forest: 11 November 1957: Leech, Robin E.; Ross, Edward S.: CAS: 2 [2 - **2**] - 25 February 1992: Stubblefield, L.: SMF: 1 [1 - **1**] - 27 February 1992: Stubblefield, L.: SMF: 1 [1 - **1**] - 10 August 2007: Stanley, William ("Bill") T.: FMNH: 67 [67 - **67** - **71**].

Arusha: Collection Date Unknown: Kittenberger, K.: HNHM: 9 [9]; Szunyoghy, J.: HNHM: 12 [12]; Szunyoghy, J.; Sáska, G.: HNHM: 5 [5 - **26**] - 7 January 1904: Kittenberger, K.: HNHM: 1 [1 - **1**] - 20 March 1904: Kittenberger, K.: HNHM: 1 [1 - **1**] - 26 July 1956: Kulzer, Edwin: SMF: 2 [2 - **2**] - 21 January 1973: Clarke, C.H.D.: ROM: 1 [1 - **1**] - 27 January 1973: Clarke, C.H.D.: ROM: 3 [3 - **3**] - 29 January 1973: Clarke, C.H.D.: ROM: 1 [1 - **1**] - 16 February 1973: Clarke, C.H.D.: ROM: 1 [1 - **1**] - 19 April 1973: Clarke, C.H.D.: ROM: 1 [1 - **1** - **37**].

Arusha National Park: 19 March 1995: Mturi, F.A.: AMNH: 8 [8 - **8** - **8**].

Arusha region: Collection Date Unknown: ?: Collector Unknown: SMF: 3 [3 - **3**] - 24 July 1956: ?: Collector Unknown: SMF: 4 [4 - **4**] - 3 September 1984: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1985: ?: Collector Unknown: SMF: 2 [2 - **2**] - 10 May 1986: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 August 1986: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1990: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1996: ?: Collector Unknown: SMF: 1 [1 - **1** - **14**].

Arusha, 6 mi S: 24 July 1956: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - 28 July 1956: Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **6**].

Arusha-NP, Mt. Meru, Ngongargare Forest: 11 October 1968: Vesey-FitzGerald, Leslie Desmond Edward Foster: BMNH: 2 [2 - **2** - **2**].

Ashanti-Geita: 19 April 1998: Howell, Kim M.: FMNH: 1 [1 - **1**] - 24 April 1998: Howell, Kim M.: FMNH: 4 [4 - **4**] - 19 August 1998: Howell, Kim M.: FMNH: 2 [2 - **2** - **7**].

Bagamoyo: Collection Date Unknown: ?: Collector Unknown: MNHN: 11, ZMB: 2 [13]; Fischer: ZMB: 12 [12]; Gierra, A.: MNHN: 2 [2]; Langheld: ZMB: 4 [4]; Stendel: SMNS: 1 [1]; Van Barneveld, H.W.P.: RMNH: 9 [9 - **41**] - 1 June 1888: ?: Collector Unknown: ZMH: 1 [1 - **1**] - 20 February 1890: Emin Pascha / Pasha / Bey: BMNH: 2 [2 - **2**] - 29 December 1952: Brooks, A.C.: BMNH: 2 [2 - **2**] - 30 November 1955: ?: Collector Unknown: RMNH: 8 [8 - **8**] - 1 January 1956: Van Barneveld, H.W.P.: RMNH: 7 [7 - **7**] - 2 December 1956: ?: Collector Unknown: RMNH: 2 [2 - **2**] - 4 December 1956: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 9 December 1956: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 10 April 1957: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 1 December 1957: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 3 December 1957: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 4 December 1957: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 5 December 1957: Van Barneveld, H.W.P.: RMNH: 3 [3 - **3**] - 6 December 1957: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 7 December 1957: Van Barneveld, H.W.P.: RMNH: 3 [3 - **3**] - 9 December 1957: Van Barneveld, H.W.P.: RMNH: 2 [2 - **2**] - 11 December 1957: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 2 July 1958: Van Barneveld, H.W.P.: RMNH: 11 [11 - **11**] - 6 July 1958: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 2 December 1958: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 8 December 1958: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 12 December 1958: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 30 November 1959: ?: Collector Unknown: RMNH: 1 [1 - **1**] - 2 December 1959: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1**] - 6 December 1959: Van Barneveld, H.W.P.: RMNH: 9 [9 - **9**] - 1 June 1960: Van Barneveld, H.W.P.: RMNH: 6 [6 - **6**] - 3 July 1961: Van Barneveld, H.W.P.: RMNH: 1 [1 - **1** - **112**].

Bagilo: Collection Date Unknown: Loveridge, Arthur: MCZ: 4 [4 - **4**] - 6 May 1922: Loveridge, Arthur: MCZ: 1, USNM: 1 [2 - **2**] - 6 July 1922: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 11 September 1926: Loveridge, Arthur: MCZ: 8 [8 - **8**] - 12 September 1926: Loveridge, Arthur: MCZ: 3 [3 - **3**] - 13 September 1926: Loveridge, Arthur: MCZ: 3 [3 - **3**] - 14 September 1926: Loveridge, Arthur: MCZ: 9 [9 - **9**] - 15 September 1926: Loveridge, Arthur: MCZ: 20 [20 - **20**] - 20 September 1926: Loveridge, Arthur: FMNH: 2 [2 - **2**] - 27 September 1926: Loveridge, Arthur: MCZ: 9 [9 - **9**] - 25 October 1926: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 28 October 1926: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 15 September 1927: Loveridge, Arthur: MCZ: 4 [4 - **4** - **67**].

Bamba-Mlungi Forest Reserve: 27 July 1995: Bayliss, Julian; *et al.*; Frontier-Project, The: SMF: 1 [1 - **1**] - 29 July 1995: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1**] - 2 September 1995: Bayliss, Julian: SMF: 1 [1 - **1** - **3**].

Banagi: 13 September 1948: Swynnerton, G.H.: BMNH: 2 [2 - **2**] - 30 January 1953: Brooks, A.C.: BMNH: 1 [1 - **1**] - 31 January 1953: Brooks, A.C.: BMNH: 1 [1]; Swynnerton, G.H.: BMNH: 1 [1 - **2**] - 11 February 1953: Brooks, A.C.: BMNH: 1 [1 - **1**] - 2 March 1953: Brooks, A.C.: BMNH: 1 [1 - **1**] - 5 March 1953: Brooks, A.C.: BMNH: 1 [1 - **1**] - 21 March 1953: Brooks, A.C.: BMNH: 1 [1 - **1**] - 16 November 1963: Plisnier, J.: RBINS: 1 [1 - **1**] - 18 December 1963: Plisnier, J.: RBINS: 5 [5 - **5**] - 24 December 1963: Plisnier, J.: RBINS: 3 [3 - **3**] - 14 April 1971: Hawkins, James D.: CAS: 4, ROM: 6 [10 - **10**] - 16 April 1971: Hawkins, James D.: CAS: 6 [6 - **6** - **34**].

Barawa: 25 August 1954: Lumsden, W.H.R.: BMNH: 3 [3 - **3** - **3**].

Behobeho: 1 June 1977: Msuya, C.A.: SMF: 1 [1 - **1** - **1**].

Bet El Ras: Collection Date Unknown: Pakenham, Richard Hercules Wingfield: BMNH: 5 [5 - **5** - **5**].

Bismarckburg [=Kasanga]: Collection Date Unknown: Fromm: ZMB: 1 [1 - **1** - **1**].

Bologonja: 4 September 1962: Plisnier, J.: RBINS: 1 [1 - **1** - **1**].
Bombo, 7 km S: 18 July 1993: Goodman, Steven M.: FMNH: 3 [3]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **4**] - 19 July 1993: Goodman, Steven M.: FMNH: 27 [27 - **27**] - 20 July 1993: Goodman, Steven M.: FMNH: 9 [9 - **9**] - 21 July 1993: Goodman, Steven M.: FMNH: 3 [3 - **3**] - 22 July 1993: Goodman, Steven M.: FMNH: 4 [4 - **4**] - 23 July 1993: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 24 July 1993: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **49**].
btw. Kipara and Ikulia Rivers: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Bugagi: Collection Date Unknown: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1** - **1**].
Bukoba: Collection Date Unknown: Carl, J.: MHNG: 6 [6]; Eggert: ZMB: 1 [1]; Emin Pascha / Pasha / Bey: ZMB: 4 [4]; Meckelenburg, Adolf Fritz z.: ZMB: 7 [7 - **18**] - 1 August 1959: Laurent: RMCA: 1 [1 - **1** - **19**].
Bukoba district: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Bukova T.T.: 21 February 1953: Swynnerton, G.H.: AMNH: 2 [2 - **2** - **2**].
Bulwa Tea Estate: 9 August 1992: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 10 August 1992: Goodman, Steven M.: FMNH: 5 [5]; Stanley, William ("Bill") T.: FMNH: 2 [2 - **7**] - 11 August 1992: Goodman, Steven M.: FMNH: 1 [1]; Stanley, William ("Bill") T.: FMNH: 1 [1]; Stanley, William T. [=Bill]; Goodman, Steven M.: FMNH: 1 [1 - **3** - **12**].
Bulyanhulu: 23 May 1997: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Bumbwini: Collection Date Unknown: Pakenham, Richard Hercules Wingfield: MCZ: 4 [4 - **4**] - 23 January 1940: Pakenham, Richard Hercules Wingfield: MCZ: 6 [6 - **6** - **10**].
Bunduki: Collection Date Unknown: Stager, Kenneth E.: LACM: 7 [7 - **7**] - 7 May 1957: Basilewsky, P.; Leleup, Narcisse: RMCA: 1 [1 - **1**] - 9 January 1964: Stager, Kenneth E.: LACM: 2 [2 - **2** - **10**].
Bungi: Collection Date Unknown: Pakenham, Richard Hercules Wingfield: BMNH: 2 [2 - **2** - **2**].
Bungi-Gurunsini: 27 August 2007: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9** - **9**].
Bwiru: 29 November 1983: Luttik, R.: ZMA: 2 [2 - **2** - **2**].
Capri Point: 9 December 1982: Roger, C.F.E.: ZMA: 1 [1 - **1**] - 13 December 1982: Luttik, R.: ZMA: 1 [1 - **1**] - 29 January 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 31 January 1983: Luttik, R.: ZMA: 2 [2 - **2**] - 12 February 1983: ?: Collector Unknown: ZMA: 1 [1]; Luttik, R.: ZMA: 1 [1 - **2**] - 14 May 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 15 May 1983: Luttik, R.: ZMA: 2 [2 - **2**] - 17 May 1983: Luttik, R.: ZMA: 10 [10 - **10**] - 18 May 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 19 May 1983: Luttik, R.: ZMA: 3 [3 - **3**] - 23 May 1983: Luttik, R.: ZMA: 2 [2 - **2**] - 19 June 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 27 June 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 4 November 1983: Luttik, R.: ZMA: 3 [3 - **3**] - 6 November 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 10 November 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 11 November 1983: Luttik, R.: ZMA: 2 [2 - **2**] - 12 November 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 13 November 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 14 November 1983: Luttik, R.: ZMA: 2 [2 - **2**] - 15 November 1983: Luttik, R.: ZMA: 3 [3 - **3**] - 18 November 1983: Luttik, R.: ZMA: 3 [3 - **3**] - 19 November 1983: ?: Collector Unknown: ZMA: 1 [1]; Luttik, R.: ZMA: 4 [4 - **5**] - 20 November 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 24 November 1983: Luttik, R.: ZMA: 2 [2 - **2**] - 29 November 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 1 December 1983: Luttik, R.: ZMA: 1 [1 - **1** - **55**].
Central Mpwapwa: 15 March 1971: Barkhouse, P.: ROM: 1 [1 - **1** - **1**].
Chai camp: Collection Date Unknown: Davison, F.T.: AMNH: 1 [1 - **1** - **1**].
Chake Chake: 26 January 1941: Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **1** - **1**].
Chakechake: 15 September 1923: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].
Chandege: 16 May 1970: Jonathan, J.: ROM: 1 [1 - **1** - **1**].
Chimala: 22 October 1952: Knipper: SMNS: 4 [4 - **4**] - 4 June 1962: Knipper: LNK: 11 [11 - **11**] - 8 January 1963: Heinrich, Gerd H.: YPM: 3 [3 - **3**] - 12 January 1963: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **19**].
Chita, 1.7 km N, 3.5 km W: 3 August 1995: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 4 August 1995: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **5**].
Chita, 3 km N: 3 August 1994: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4**] - 6 August 1994: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 7 August 1994: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 8 August 1994: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **10**].
Chita, 4.5 km W: 24 August 1995: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 25 August 1995: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 26 August 1995: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **5**].
Chole Island: 27 July 1993: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - 11 August 2005: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **3**].
Chonja village: 6 August 2006: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].
Chuaka: Collection Date Unknown: Swinny, H.H.: BMNH: 1 [1 - **1** - **1**].
Chugu Peak, near: 24 July 2007: : FMNH: 1 [1 - **1**] - 25 July 2007: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 26 July 2007: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 27 July 2007: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **8**].
Dali: 11 July 1957: Andersen, Th.: ZFMK: 1 [1 - **1**] - 12 July 1957: Andersen, Th.: ZFMK: 1 [1 - **1** - **2**].
Dar es Salaam: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, WAM: 10, ZMB: 5 [16]; : ZMB: 3 [3]; Biedermann: ZMB: 2 [2]; Hürstel: MZS: 1 [1]; Loveridge, Arthur: BMNH: 5 [5]; Mayer, F.X.: NMW: 1 [1]; Pachinger, R.: NMW: 1 [1]; Stuhlmann, Franz Ludwig: ZMB: 9 [9]; Swaythling, Ld.: BMNH: 1 [1]; Werth: ZMB: 4 [4]; Willems: ZMB: 1 [1]; Worth: ZMB: 1 [1 - **45**] - 8 February 1899: Rautenberg: ZMH: 1 [1 - **1**] - 6 June 1910: Pomeroy, A.W.J.: FMNH: 1 [1 - **1**] - 8 February 1917: ?: Collector Unknown: TM: 1 [1 - **1**] - 6 June 1918: Pomeroy, A.W.J.: RMCA: 4 [4 - **4**] - 25 June 1918: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 20 January 1919: Loveridge, Arthur: BMNH: 2, MCZ: 2 [4 - **4**] - 2 April 1920: Raven, Henry Cushier: USNM: 1 [1 - **1**] - 22 May 1926: Zimmer, John Todd: FMNH: 1 [1 - **1**] - 13 August 1926: Conover, (Henry) Boardman: FMNH: 1 [1 - **1**] - 14 August 1926: Zimmer, John Todd: FMNH: 4 [4 - **4**] - 22 October 1935: Dinkelacker: SMNS: 1 [1 - **1**] - 25 July 1960: Andersen: ZFMK: 3 [3 - **3**] - 7 January 1971: Hartroll, R.: USNM: 1 [1 - **1**] - 25 June 1972: Howell, Kim M.; Otindo, B.L.: BMNH: 1 [1 - **1**] - 11 November 1978: Howell, Kim M.: FMNH: 1 [1 - **1**] - 29 March 1983: Luttik, R.: ZMA: 2 [2 - **2**] - 30 April 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 6 August 1986: Mduma: SMF: 1 [1 - **1** - **75**].
Dar es Salaam University: 21 July 1978: Howell, Kim M.: FMNH: 1 [1 - **1**] - 7 December 1979: Howell, Kim M.: FMNH: 1 [1 - **1**] - 2 September 1980: Howell, Kim M.: FMNH: 3 [3 - **3**] - 23 October 1981: Howell, Kim M.: FMNH: 1 [1 - **1**] - 31 August 1982: Howell, Kim M.: FMNH: 1 [1 - **1**] - 12 March 1993: Howell, Kim M.: FMNH: 1 [1 - **1**] - 27 April 1995: Howell, Kim M.: FMNH: 2 [2 - **2**] - 1 October 1998: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **13**].
Dar es Salaam, 5 mi [= 8 km] NW: 25 October 1961: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].
Dar es Salaam, 9 mi [= 14.5 km] N: Collection Date Unknown: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - 5 October 1961: Heinrich, Gerd H.: YPM: 2 [2 - **2** - **3**].
Dar-Es-Salaam region: 17 August 1977: ?: Collector Unknown: SMF: 1 [1 - **1**] - 12 October 1981: ?: Collector Unknown: SMF: 1 [1 - **1**] - 26 January 1984: ?: Collector Unknown: SMF: 1 [1 - **1**] - 15 April 1986: ?: Collector Unknown: SMF: 1 [1 - **1**] - 4 August 1986: ?: Collector Unknown: SMF: 1 [1 - **1**] - 24 July 1987: ?: Collector Unknown: SMF: 1 [1 - **1**] - 15 June 1989: ?: Collector Unknown: SMF: 3 [3 - **3** - **9**].

Dayte cave: 25 August 2007: Stanley, William ("Bill") T.: FMNH: 10 [10 - **10** - **10**].
Dindira and Ibaya, halfway between: 18 May 1967: Chuwa, W.G.: MSU: 1 [1 - **1** - **1**].
Dodoma: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Loveridge, Arthur: USNM: 1 [1 - **2**] - 17 July 1926: Carnochan, Frederic Grosvenor: USNM: 1 [1 - **1** - **3**].
East Usambara Mts, Monga Tea Estate: 5 August 1991: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 8 August 1991: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 9 August 1991: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 25 July 1992: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 26 July 1992: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 27 July 1992: Goodman, Steven M.: FMNH: 2 [2]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **3**] - 28 July 1992: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 30 July 1992: ?: Collector Unknown: FMNH: 1 [1]; Goodman, Steven M.: FMNH: 1 [1 - **2**] - 2 August 1992: Goodman, Steven M.: FMNH: 1 [1]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **2**] - 4 August 1992: ?: Collector Unknown: FMNH: 1 [1]; Goodman, Steven M.: FMNH: 4 [4]; Stanley, William ("Bill") T.: FMNH: 2 [2 - **7**] - 5 August 1992: Goodman, Steven M.: FMNH: 13 [13]; Stanley, William ("Bill") T.: FMNH: 2 [2 - **15**] - 14 August 1992: Goodman, Steven M.: FMNH: 1 [1]; Goodman, Steven M.; Stanley, William T. [=Bill]: FMNH: 1 [1 - **2**] - 16 August 1992: Goodman, Steven M.: FMNH: 5 [5 - **5**] - 17 August 1992: Goodman, Steven M.: FMNH: 2 [2]; Stanley, William ("Bill") T.: FMNH: 1 [1 - **3**] - 23 August 1992: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 30 July 1993: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 31 July 1993: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 1 August 1993: Goodman, Steven M.: FMNH: 3 [3 - **3**] - 2 August 1993: Goodman, Steven M.: FMNH: 1 [1]; Stanley, William ("Bill") T.: FMNH: 2 [2 - **3**] - 3 August 1993: Goodman, Steven M.: FMNH: 1 [1]; Stanley, William ("Bill") T.: FMNH: 2 [2 - **3**] - 4 August 1993: Goodman, Steven M.: FMNH: 2 [2]; Goodman, Steven M.; Stanley, William T. [=Bill]: FMNH: 1 [1 - **3**] - 5 August 1993: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 7 August 1993: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 8 August 1993: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 18 August 2000: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **67**].
Engaruka: 8 January 1955: Swynnerton, G.H.: SMF: 1 [1 - **1** - **1**].
Fig Tree Arch: 26 July 2009: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].
Foley's Camp: 3 July 2005: Stanley, William ("Bill") T.: FMNH: 5 [5 - **5**] - 6 July 2005: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9**] - 7 July 2005: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 8 July 2005: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **21**].
Fondo Island: 14 January 1940: Pakenham, Richard Hercules Wingfield: MCZ: 4 [4 - **4** - **4**].
Fufuni: 12 March 1903: Voeltzkow, Alfred: ZMB: 1 [1 - **1**] - 13 March 1903: Voeltzkow, Alfred: ZMB: 4 [4 - **4** - **5**].
Geita district: 6 June 1930: Loveridge, Arthur: FMNH: 1 [1 - **1** - **1**].
Genda Genda South Forest Reserve: 14 August 1991: Hart, A.: SMF: 1 [1 - **1**] - 12 October 1991: Cockle, Anya: SMF: 1 [1 - **1**] - 18 October 1991: Cockle, Anya: SMF: 1 [1 - **1**] - 28 November 1991: Cockle, Anya: SMF: 1 [1 - **1** - **4**].
Gibbs farm: 1 September 1984: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].
Gombe Stream National Park: 12 December 1970: Howell, Kim M.; Wrangham, R.W.: BMNH: 1 [1 - **1** - **1**].
Gonja Forest Reserve: 25 August 1993: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6**] - 26 August 1993: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6**] - 27 August 1993: Stanley, William ("Bill") T.: FMNH: 7 [7 - **7**] - 28 August 1993: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6** - **25**].
Gonja Maore: 25 August 1993: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 30 August 1993: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **6**].
Grumetti: 28 August 1959: Loomis, Henry: AMNH: 3 [3 - **3** - **3**].
Grummetti: 23 August 1962: Plisnier, J.: RBINS: 1 [1 - **1**] - 3 October 1965: Ingles, Jane M.: BMNH: 1 [1 - **1** - **2**].
Gulwe Station: 7 November 1923: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].
Handajega: 7 October 1960: Plisnier, J.: RBINS: 1 [1 - **1**] - 28 October 1963: Plisnier, J.: RBINS: 2 [2 - **2** - **3**].
Igala: 30 April 1930: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Igalula: 7 May 1959: Rees, A.F.: HZM: 1 [1 - **1** - **1**].
Ikau: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Ikoma: 28 August 1959: Loomis, Henry: AMNH: 1 [1 - **1** - **1**].
Ikungi: 3 October 1922: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].
Ilolo: 31 March 1930: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Ilonga Research and Training Centre: 2 March 1975: Lambert, R.R.K.: BMNH: 1 [1 - **1** - **1**].
Imbala: 27 February 1923: Loveridge, Arthur: KU: 1 [1 - **1** - **1**].
Ingalala: 8 May 1959: Harrison, David Lakin: ROM: 1 [1 - **1** - **1**].
Inkoani: 18 August 1923: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].
Inwale: Collection Date Unknown: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].
Iraka landscape: Collection Date Unknown: Kohl-Larsen expedition, The: SMF: 5 [5 - **5** - **5**].
Iraku: Collection Date Unknown: Kohl-Larsen expedition, the: SMF: 5 [5 - **5** - **5**].
Iringa: Collection Date Unknown: Jörgens: ZMB: 3 [3 - **3** - **3**].
Iringa region: 24 July 1982: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 April 1984: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].
Iringa, near: 23 July 1962: Knipper: LNK: 1 [1 - **1** - **1**].
Isamico: 29 April 1970: Jonathan, J.: ROM: 5 [5 - **5** - **5**].
Isamilo: 10 April 1983: Luttik, R.: ZMA: 4 [4 - **4**] - 16 April 1983: ?: Collector Unknown: ZMA: 1 [1 - **1**] - 17 April 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 21 April 1983: Luttik, R.: ZMA: 4 [4 - **4**] - 22 April 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 3 May 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 6 May 1983: Luttik, R.: ZMA: 3 [3 - **3** - **15**].
Isongo: 25 February 1960: : SMF: 1 [1 - **1**] - 28 February 1960: : SMF: 1 [1 - **1** - **2**].
Itanga: 15 September 1962: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - 22 September 1962: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **2**].
Itende: 14 November 1923: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].
Itumba: Collection Date Unknown: ?: Collector Unknown: HZM: 2 [2 - **2** - **2**].
Juani Island: 14 August 2005: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9** - **9**].
Juani village: 15 August 2005: Stanley, William ("Bill") T.: FMNH: 8 [8 - **8** - **8**].
Kafukola: 13 July 1955: Robertson, I.A.D.: HZM: 1 [1 - **1**] - 17 July 1955: ?: Collector Unknown: TM: 1 [1 - **1**] - 5 August 1955: Robertson, I.A.D.: HZM: 1 [1 - **1**] - 13 August 1955: ?: Collector Unknown: TM: 1 [1 - **1**] - 15 August 1955: Robertson, I.A.D.: HZM: 1 [1 - **1**] - 16 August 1955: Robertson, I.A.D.: BMNH: 1 [1 - **1**] - 20 August 1955: ?: Collector Unknown: TM: 1 [1 - **1**] - 23 August 1955: ?: Collector Unknown: TM: 1 [1 - **1**] - 3 September 1955: Robertson, I.A.D.: HZM: 1 [1 - **1**] - 22 October 1955: Robertson, I.A.D.: HZM: 1 [1 - **1**] - 10 February 1956: Robertson, I.A.D.: HZM: 1 [1 - **1**] - 16 April 1956: Robertson, I.A.D.: HZM: 1 [1 - **1**] - 6 June 1956: Robertson, I.A.D.: HZM: 1 [1 - **1**] - 6 July 1956: Robertson, I.A.D.: HZM: 1 [1 - **1**] - 25 April 1958: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **15**].

Kagera region: 4 July 1987: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 July 1987: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 July 1987: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 July 1987: ?: Collector Unknown: SMF: 1 [1 - **1**] - 10 July 1987: ?: Collector Unknown: SMF: 1 [1 - **1** - **5**].
Kalambo Falls: 15 June 1959: Holliday, C.S.: NHMZ: 1 [1 - **1** - **1**].
Kalembo: 10 April 1956: Robertson, I.A.D.: HZM: 1 [1 - **1** - **1**].
Kalilani village: 10 August 2003: Stanley, William ("Bill") T.: FMNH: 11 [11 - **11** - **11**].
Kamanga: 21 December 1983: Luttik, R.: ZMA: 2 [2 - **2**] - 31 December 1983: Luttik, R.: ZMA: 1 [1 - **1** - **3**].
Kambai Forest Reserve: 31 January 1996: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 2 [2 - **2**] - 8 February 1996: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1**] - 28 February 1996: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - 8 March 1996: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1** - **5**].
Kampi Ya Mawe: 2 February 1953: Swynnerton, G.H.: BMNH: 4 [4 - **4** - **4**].
Kanga Ngome Forest: 14 May 1992: Howell, Kim M.: FMNH: 1, SMF: 2 [3 - **3** - **3**].
Kangwena: 5 February 2006: Moyer, D.C.: FMNH: 1 [1 - **1** - **1**].
Kanza village, near: 17 July 1993: Goodman, Steven M.: FMNH: 10 [10 - **10** - **10**].
Karema: Collection Date Unknown: Fromm: ZMB: 1 [1]; Ionides, Constantine J.P.: FMNH: 3 [3 - **4**] - 25 April 1956: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 2 July 1956: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 6 July 1956: Hoogstraal, Harry H.: FMNH: 10 [10]; Hoogstraal, Harry H.; Ionides, Constantine J.P.: FMNH: 2 [2 - **12**] - 9 July 1956: Hoogstraal, Harry H.: FMNH: 3 [3]; Ionides, Constantine J.P.: FMNH: 1 [1 - **4**] - 9 August 1956: Ionides, Constantine J.P.: FMNH: 2 [2 - **2** - **24**].
Karugu: 16 February 1953: Swynnerton, G.H.: BMNH: 4 [4 - **4** - **4**].
Kasanga: 16 May 1930: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 17 May 1930: Loveridge, Arthur: MCZ: 9 [9 - **9** - **10**].
Kasanga Forest Reserve: 2 August 2000: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Kasulu: Collection Date Unknown: Grant, Claude Henry Baxter: BMNH: 1 [1 - **1** - **1**].
Katungulu: 20 February 1927: Conover, (Henry) Boardman: FMNH: 1 [1 - **1**] - 23 February 1927: Conover, (Henry) Boardman: FMNH: 1 [1 - **1** - **2**].
Kawe: 6 January 1965: Williams, A.E.: LACM: 2 [2]; Williams, John George: ROM: 1 [1 - **3** - **3**].
Kazimzumbwi forest reserve: 18 January 1991: Cockle, Anya: SMF: 1 [1]; Howell, Kim M.: FMNH: 1 [1 - **2**] - 20 January 1991: Cockle, Anya: SMF: 1 [1 - **1**] - 10 February 1991: Howell, Kim M.: FMNH: 1 [1 - **1**] - 11 March 1991: Cockle, Anya: SMF: 1 [1 - **1** - **5**].
Kebandio island: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Kele: 24 October 1998: Moyer, D.C.: FMNH: 1 [1 - **1** - **1**].
Kibarra: 24 August 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 25 August 1985: Goudswaard, P.C. [Kees]: ZMA: 7 [7 - **7**] - 26 August 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **9**].
Kibata: 30 January 1912: Bickel: SMNS: 2 [2 - **2** - **2**].
Kibatini village: 5 August 2006: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].
Kibebe farms: 31 August 2000: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 9 August 2001: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 2 August 2003: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 10 June 2006: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **6**].
Kibonato: 1 November 1905: Sjöstedt, Bror Yngve: MNHN: 1 [1 - **1** - **1**].
Kiboscho: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kibosho: 1 March 1903: Kittenberger, K.: HNHM: 3 [3 - **3** - **3**].
Kibwele: 5 January 1983: Congdon, T.C.E.: SMF: 1 [1 - **1**] - 19 February 1983: Beakbane, K.: SMF: 1 [1 - **1** - **2**].
Kichanjane: 7 February 1959: Rees, A.F.?: HZM: 1 [1 - **1** - **1**].
Kideke: Collection Date Unknown: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].
Kidodi: 30 May 1960: Harrison, David Lakin: SMF: 1 [1 - **1** - **1**].
Kidugallo: 19 August 1954: Von Nagy: ZFMK: 1 [1 - **1**] - 22 August 1954: Andersen, Th.: SMF: 1 [1 - **1**] - 7 December 1957: Andersen, Th.: SMNS: 1 [1 - **1**] - 8 December 1957: Andersen, Th.: ZFMK: 1 [1 - **1**] - 23 December 1957: Andersen, Th.: SMNS: 1 [1 - **1**] - 28 December 1957: Andersen: ZFMK: 1 [1 - **1**] - 18 August 1964: : SMF: 1 [1 - **1** - **7**].
Kigoma: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 25 April 1956: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 4 December 1975: Easton, Emmett R.: BMNH: 1 [1 - **1** - **3**].
Kigoma region: 1 January 1971: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 August 1992: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].
Kigwembinbi: 8 April 2002: Moyer, D.C.: FMNH: 1 [1 - **1**] - 10 November 2004: Moyer, D.C.: FMNH: 1 [1 - **1** - **2**].
Kihansi Airstrip: 21 October 1994: Howell, Kim M.: FMNH: 1 [1 - **1**] - 23 October 1994: Howell, Kim M.: FMNH: 1 [1 - **1** - **2**].
Kihansi Gorge: 5 June 1998: Cordeiro, Norbert J.: FMNH: 2 [2 - **2**] - 6 June 1998: Cordeiro, Norbert J.: FMNH: 3 [3 - **3**] - 9 June 1998: Cordeiro, Norbert J.: FMNH: 5 [5 - **5**] - 11 June 1998: Cordeiro, Norbert J.: FMNH: 4 [4 - **4** - **14**].
Kihansi Stream area: 17 October 1994: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Kijijini village: 3 August 2006: Stanley, William ("Bill") T.: FMNH: 27 [27 - **27**] - 12 August 2006: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9** - **36**].
Kilimanjaro region: Collection Date Unknown: ?: Collector Unknown: SMF: 1 [1 - **1**] - 6 September 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 28 September 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 28 August 1993: ?: Collector Unknown: FMNH: 1 [1 - **1** - **4**].
Kilimanjaro, Mount: 17 April 1920: Raven, Henry Cushier: USNM: 1 [1 - **1**] - 18 February 1968: Williams, John George: AMNH: 1 [1 - **1**] - 23 February 1968: Williams, John George: AMNH: 13 [13 - **13** - **15**].
Kilimatinde Hospital: 26 July 1983: Sandee, H.: ZMA: 1 [1 - **1**] - 28 July 1983: Sandee, H.: ZMA: 4 [4 - **4**] - 29 July 1983: Sandee, H.: ZMA: 5 [5 - **5** - **10**].
Kilindoni: 23 September 1952: Swynnerton, G.H.: BMNH: 1 [1 - **1**] - 25 September 1952: Swynnerton, G.H.: BMNH: 3 [3 - **3**] - 26 November 1990: Howell, Kim M.: SMF: 1 [1 - **1** - **5**].
Kilindoni Forest strip: 18 November 1990: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].
Kilombero Valley: 13 April 1998: Howell, Kim M.: FMNH: 1 [1 - **1**] - 22 April 1998: Howell, Kim M.: FMNH: 4 [4 - **4**] - 25 April 1998: Howell, Kim M.: FMNH: 1 [1 - **1**] - 29 April 1998: Howell, Kim M.: FMNH: 1 [1 - **1**] - 5 May 1998: Howell, Kim M.: FMNH: 1 [1 - **1**] - 9 May 1998: Howell, Kim M.: FMNH: 2 [2 - **2**] - 22 July 1998: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - 26 October 1998: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **12**].
Kilosa: Collection Date Unknown: Loveridge, Arthur: BMNH: 1 [1]; Rees, A.F.: HZM: 1 [1 - **2**] - 10 May 1920: Loveridge, Arthur: KM: 2 [2 - **2**] - 21 December 1920: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 17 February 1921: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 26 February 1921: Loveridge, Arthur: MCZ: 5 [5 - **5**] - 1 March 1921: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 1 April 1921: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 7 June 1921: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 8 June 1921: Loveridge, Arthur: MCZ:

1 [1 - **1**] - 17 June 1921: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 1 August 1921: Loveridge, Arthur: MCZ: 7 [7 - **7**] - 15 August 1921: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 1 September 1921: Loveridge, Arthur: MCZ: 4 [4 - **4**] - 17 November 1921: Loveridge, Arthur: MCZ: 10 [10 - **10**] - 18 January 1922: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 12 March 1922: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 1 January 1923: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 23 February 1923: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 27 February 1923: Loveridge, Arthur: MCZ: 5 [5 - **5**] - 23 April 1923: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 1 May 1923: Loveridge, Arthur: FMNH: 2, MCZ: 2, USNM: 1 [5 - **5**] - 3 May 1923: Loveridge, Arthur: FMNH: 1 [1 - **1**] - 4 May 1923: Loveridge, Arthur: BMNH: 1, USNM: 1 [2 - **2**] - 8 May 1923: Loveridge, Arthur: BMNH: 1, FMNH: 8, MCZ: 3, USNM: 3 [15 - **15**] - 10 May 1923: Loveridge, Arthur: BMNH: 3, FMNH: 3, MCZ: 1 [7 - **7**] - 3 June 1923: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 23 October 1926: Zimmer, John Todd: FMNH: 1 [1 - **1**] - 31 October 1926: Zimmer, John Todd: FMNH: 1 [1 - **1**] - 19 December 1958: Rees, A.F.?: HZM: 1 [1 - **1**] - 17 January 1959: Rees, A.F.?: HZM: 1 [1 - **1**] - 1 February 1959: ?: Collector Unknown: KU: 1 [1 - **1**] - 3 May 1960: Harrison, David Lakin: FMNH: 2 [2 - **2**] - 26 June 1960: Rees, A.F.: ROM: 1 [1 - **1**] - 29 September 1960: Harrison, David Lakin: ROM: 1 [1 - **1**] - 24 January 1962: Rees, A.F.?: ZFMK: 1 [1 - **1** - **90**].

Kilossa: 23 August 1920: Loveridge, Arthur: AMNH: 1 [1 - **1**] - 31 August 1920: Loveridge, Arthur: AMNH: 1 [1 - **1**] - 8 January 1921: Loveridge, Arthur: AMNH: 12 [12 - **12**] - 26 January 1921: Loveridge, Arthur: AMNH: 1 [1 - **1**] - 4 February 1921: Loveridge, Arthur: AMNH: 1 [1 - **1**] - 24 February 1921: Loveridge, Arthur: AMNH: 1 [1 - **1**] - 26 March 1921: Loveridge, Arthur: AMNH: 1 [1 - **1**] - 17 June 1921: Loveridge, Arthur: AMNH: 1 [1 - **1**] - 23 June 1921: Loveridge, Arthur: AMNH: 1 [1 - **1**] - 15 July 1921: Loveridge, Arthur: AMNH: 1 [1 - **1** - **21**].

Kilossa, weitere Umgebuhg [=near Kilosa]: Collection Date Unknown: Fachlehrer, A. Horn: NMW: 1 [1 - **1** - **1**].

Kilulu Hill: 25 February 1992: Cockle, Anya: SMF: 1 [1 - **1** - **1**].

Kilwa: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 5 August 1957: Harrison, David Lakin: AMNH: 1 [1 - **1**] - 7 July 1958: Harrison, David Lakin: ROM: 2 [2 - **2**] - 7 August 1958: Harrison, David Lakin: SMF: 2 [2 - **2**] - 15 August 1958: Harrison, David Lakin: ROM: 2 [2 - **2** - **8**].

Kilwa T.T.: 1 May 1954: Swynnerton, G.H.: AMNH: 2 [2 - **2** - **2**].

Kimboza Forest Reserve: Collection Date Unknown: Howell, Kim M.: FMNH: 1 [1 - **1**] - 2 February 1994: Howell, Kim M.: FMNH: 2 [2 - **2**] - 3 February 1994: Howell, Kim M.: FMNH: 3 [3 - **3**] - 4 February 1994: Howell, Kim M.: FMNH: 2 [2 - **2**] - 18 February 1994: Howell, Kim M.: FMNH: 1 [1 - **1**] - 1 March 1994: Howell, Kim M.: FMNH: 1 [1 - **1**] - 4 March 1995: Howell, Kim M.: FMNH: 1 [1 - **1** - **11**].

Kindoroko Forest Reserve: 18 July 2006: Stanley, William ("Bill") T.: FMNH: 7 [7 - **7**] - 19 July 2006: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 20 July 2006: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 21 July 2006: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **12**].

Kinole: Collection Date Unknown: Schlüter, A.: ZMB: 1 [1 - **1** - **1**].

Kipangani village: 5 August 2006: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6**] - 6 August 2006: : FMNH: 3 [3]; Stanley, William ("Bill") T.: FMNH: 26 [26 - **29** - **35**].

Kiraboga: 11 August 1959: Harrison, David Lakin: SMF: 1 [1 - **1** - **1**].

Kisaki: Collection Date Unknown: Buchanan, Angus: BMNH: 1 [1 - **1** - **1**].

Kisangwa: 26 March 1971: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Kisarawe: Collection Date Unknown: ?: Collector Unknown: ZFMK: 1 [1]; Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **2**] - 8 September 1919: Cozens, G.P.; Swinny, H.H.: BMNH: 1 [1 - **1**] - 21 July 1960: Andersen, Th.: ZFMK: 2 [2 - **2**] - 18 August 1960: Andersen, Th.: ZFMK: 1 [1 - **1**] - 6 September 1960: Andersen, Th.: ZFMK: 1 [1 - **1**] - 9 March 1971: Howell, Kim M.: USNM: 1 [1 - **1**] - 2 December 1971: Howell, Kim M.: BMNH: 3 [3 - **3**] - 15 December 1971: Howell, Kim M.: MCZ: 2 [2 - **2**] - 10 January 1972: Howell, Kim M.: BMNH: 1 [1 - **1**] - 17 January 1972: Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **1**] - 16 February 1972: Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **1**] - 18 January 1973: Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **1**] - 22 February 1973: Howell, Kim M.; Msuya, C.A.: USNM: 2 [2 - **2** - **19**].

Kisarawe, near: Collection Date Unknown: Howell, Kim M.: USNM: 42 [42 - **42**] - 21 February 1967: Howell, Kim M.: USNM: 1 [1 - **1**] - 26 March 1970: Howell, Kim M.: USNM: 1 [1 - **1**] - 9 January 1971: Howell, Kim M.: USNM: 9 [9]; Howell, Kim M.; Msuya, C.A.: USNM: 3 [3 - **12**] - 5 February 1971: ?: Collector Unknown: BMNH: 1 [1]; Howell, Kim M.: USNM: 13 [13]; Howell, Kim M.; Msuya, C.A.: USNM: 7 [7 - **21**] - 9 March 1971: Howell, Kim M.: USNM: 28 [28 - **28**] - 26 March 1971: Howell, Kim M.: USNM: 20 [20 - **20**] - 1 June 1971: ?: Collector Unknown: TM: 1 [1]; Howell, Kim M.: USNM: 15 [15 - **16**] - 23 June 1971: Howell, Kim M.: USNM: 5 [5 - **5**] - 13 August 1971: Howell, Kim M.: USNM: 22 [22 - **22**] - 1 October 1971: Howell, Kim M.: USNM: 30 [30 - **30**] - 11 November 1971: Howell, Kim M.: USNM: 21 [21]; Howell, Kim M.; Msuya, C.A.: USNM: 17 [17 - **38**] - 2 December 1971: Howell, Kim M.: USNM: 15 [15 - **15**] - 15 December 1971: Howell, Kim M.: USNM: 22 [22 - **22**] - 30 December 1971: Howell, Kim M.: USNM: 17 [17 - **17**] - 10 January 1972: Howell, Kim M.: USNM: 3 [3 - **3**] - 7 February 1972: Howell, Kim M.: TTU: 2 [2 - **2**] - 21 March 1972: Howell, Kim M.: USNM: 1 [1 - **1**] - 3 April 1972: ?: Collector Unknown: TM: 1 [1 - **1**] - 3 May 1972: Howell, Kim M.: USNM: 1 [1 - **1**] - 15 June 1972: Howell, Kim M.: USNM: 5 [5 - **5**] - 20 July 1972: ?: Collector Unknown: TM: 2 [2 - **2**] - 17 August 1972: Howell, Kim M.; Msuya, C.A.: USNM: 3 [3 - **3**] - 7 September 1972: Howell, Kim M.; Msuya, C.A.: USNM: 3 [3 - **3**] - 5 October 1972: Howell, Kim M.: USNM: 3 [3]; Howell, Kim M.; Msuya, C.A.: USNM: 6 [6 - **9**] - 5 November 1972: Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **1**] - 16 November 1972: Howell, Kim M.: USNM: 15 [15]; Howell, Kim M.; Msuya, C.A.: USNM: 8 [8 - **23**] - 14 December 1972: Howell, Kim M.: USNM: 5 [5 - **5**] - 18 January 1973: Howell, Kim M.: USNM: 6 [6]; Howell, Kim M.; Msuya, C.A.: USNM: 10 [10 - **16**] - 15 February 1973: Howell, Kim M.; Msuya, C.A.: USNM: 5 [5 - **5**] - 22 February 1973: Howell, Kim M.: USNM: 2 [2]; Howell, Kim M.; Msuya, C.A.: USNM: 15 [15 - **17**] - 16 March 1973: Howell, Kim M.: USNM: 1 [1]; Howell, Kim M.; Msuya, C.A.: USNM: 21 [21 - **22**] - 30 April 1973: Howell, Kim M.; Msuya, C.A.: USNM: 9 [9 - **9**] - 10 May 1973: Howell, Kim M.; Msuya, C.A.: USNM: 16 [16 - **16**] - 21 June 1973: Howell, Kim M.; Msuya, C.A.: USNM: 20 [20 - **20**] - 26 June 1973: Howell, Kim M.; Msuya, C.A.: USNM: 6 [6 - **6**] - 26 July 1973: Howell, Kim M.: USNM: 9 [9]; Howell, Kim M.; Msuya, C.A.: USNM: 23 [23 - **32**] - 8 August 1973: Howell, Kim M.; Msuya, C.A.: USNM: 12 [12 - **12**] - 23 August 1973: Howell, Kim M.; Msuya, C.A.: USNM: 14 [14 - **14**] - 20 September 1973: Howell, Kim M.: USNM: 7 [7]; Howell, Kim M.; Msuya, C.A.: USNM: 19 [19 - **26**] - 25 October 1973: Howell, Kim M.; Msuya, C.A.: USNM: 23 [23 - **23**] - 22 November 1973: Howell, Kim M.; Msuya, C.A.: USNM: 24 [24 - **24**] - 19 December 1973: Howell, Kim M.: USNM: 5 [5]; Howell, Kim M.; Msuya, C.A.: USNM: 11 [11 - **16**] - 21 February 1974: Howell, Kim M.: USNM: 33 [33]; Howell, Kim M.; Msuya, C.A.: USNM: 15 [15 - **48**] - 30 June 1974: Howell, Kim M.: USNM: 14 [14 - **14**] - 26 July 1974: Howell, Kim M.: USNM: 24 [24 - **24**] - 17 June 1976: Howell, Kim M.: USNM: 16 [16 - **16**] - 23 July 1976: Howell, Kim M.: USNM: 43 [43 - **43**] - 18 January 1978: Howell, Kim M.; Msuya, C.A.: USNM: 1 [1 - **1** - **753**].

Kiserui: 8 December 1926: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Kisiju island: 10 December 1992: Stubbefield, L.; Howell, Kim M.: SMF: 2 [2 - **2** - **2**].

Kisikka: 1 November 1908: Carl, J.: MHNG: 8 [8 - **8** - **8**].

Kissaki: Collection Date Unknown: Buchanan, Angus: BMNH: 1 [1 - **1** - **1**].
Kiswawe: Collection Date Unknown: ?: Collector Unknown: ZFMK: 1 [1 - **1** - **1**].
Kitaya: 3 April 1939: Loveridge, Arthur: MCZ: 11 [11 - **11** - **11**].
Kitungulu, southwestern: 15 May 1930: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Kiwengoma Forest Reserve: 1 July 1990: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].
Kiwengwa: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1**] - 23 August 2007: Stanley, William ("Bill") T.: FMNH: 8 [8 - **8** - **9**].
Kiwengwa, near: 22 August 2007: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6** - **6**].
Kiwengwa-Pongwe Forest Reserve cave: 22 August 2007: Stanley, William ("Bill") T.: FMNH: 15 [15 - **15** - **15**].
Kizara logging site: 22 August 1986: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Kizerui: 8 December 1926: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Kizimkazi: Collection Date Unknown: Pakenham, Richard Hercules Wingfield: BMNH: 2 [2 - **2**] - 4 November 1938: Pakenham, Richard Hercules Wingfield: BMNH: 5 [5 - **5**] - 27 November 1938: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1** - **8**].
Kokotoni: Collection Date Unknown: Voeltzkow, Alfred: NMW: 1, ZMB: 1 [2 - **2** - **2**].
Kokotoni [=Mkokotoni]: Collection Date Unknown: Voeltzkow, Alfred: ZMB: 2 [2 - **2** - **2**].
Kondoa: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4]; Zumpt, Frits Konrad Ernst: ZMB: 2 [2 - **6** - **6**].
Kondoa, 100 mi E: 22 December 1946: Carter, T. Donald: AMNH: 13 [13 - **13** - **13**].
Kongwa: 21 April 1917: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].
Konongo: Collection Date Unknown: Glauning: ZMB: 4 [4 - **4** - **4**].
Korogwe: Collection Date Unknown: Bohndorff: ZMB: 1 [1 - **1**] - 7 January 1956: Ionides, Constantine J.P.: FMNH: 1 [1 - **1** - **2**].
Korogwe, 12.5 km NW: 3 July 1991: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 4 July 1991: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 5 July 1991: Goodman, Steven M.: FMNH: 1 [1 - **1**] - 1 September 1992: Goodman, Steven M.: FMNH: 2 [2 - **2**] - 2 September 1992: Goodman, Steven M.: FMNH: 1 [1 - **1** - **8**].
Kotur: Collection Date Unknown: Hildebrandt, Johann Maria: ZMB: 2 [2 - **2** - **2**].
Kua: Collection Date Unknown: : BMNH: 2 [2 - **2**] - 10 October 1952: Swynnerton, G.H.: BMNH: 3 [3 - **3** - **5**].
Kua ruins: 12 August 2005: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **4**].
Kugulwira: 17 July 1960: Andersen, Th.: NMBE: 1 [1 - **1** - **1**].
Kulumusi caves: 11 June 1909: Alluaud, Ch.: FMNH: 2 [2 - **2** - **2**].
Kulumuzi: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kulumuzi cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kulumuzi caves: Collection Date Unknown: ?: Collector Unknown: MNHN: 6 [6]; Alluaud, Ch.: MNHN: 13 [13 - **19**] - 11 June 1909: ?: Collector Unknown: MNHN: 4 [4]; Alluaud, Ch.: MNHN: 2 [2 - **6** - **25**].
Kurasini area: 12 October 1981: Baker: SMF: 2 [2 - **2** - **2**].
Kwabaniani caves: 28 August 2007: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].
Kwambumi Forest Reserve: 18 July 1994: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 19 July 1994: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 20 July 1994: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 22 July 1994: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 20 February 1995: Howell, Kim M.: FMNH: 1 [1 - **1**] - 8 March 1995: Howell, Kim M.: FMNH: 2 [2 - **2**] - 21 March 1995: Howell, Kim M.: FMNH: 1 [1 - **1** - **10**].
Kwamgumi Forest Reserve: 16 February 1995: Bayliss, Julian: SMF: 1 [1 - **1**] - 22 October 1996: Frontier Tanzania collection, The: SMF: 1 [1]; Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **2**] - 25 January 2001: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **4**].
Kwamkoro [Forest Reserve]: Collection Date Unknown: Vossler: ZMB: 1 [1 - **1** - **1**].
Kwamkoro-Kwamsambia Forest Reserve: 8 August 1999: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1** - **1**].
Lake Duluti: Collection Date Unknown: Clarke, C.H.D.: ROM: 1 [1 - **1**] - 30 June 1973: Clarke, C.H.D.: ROM: 1 [1 - **1**] - 3 July 1973: Clarke, C.H.D.: ROM: 1 [1 - **1**] - 14 July 1973: Clarke, C.H.D.: ROM: 1 [1 - **1**] - 15 July 1973: Clarke, C.H.D.: ROM: 1 [1 - **1** - **5**].
Lake Jipe: 21 October 1903: Kittenberger, K.: HNHM: 1 [1 - **1** - **1**].
Lake Manyara National Park: 11 May 1986: Howell, Kim M.: SMF: 1 [1]; Howell, Kim M.; Msuya, C.A.: SMF: 1 [1 - **2**] - 12 May 1986: Howell, Kim M.: SMF: 2 [2 - **2** - **4**].
Lake Natron: 22 August 1964: Leakey, P.: BMNH: 4 [4 - **4** - **4**].
Lake Tanganyika, Tanganyika: 1 December 1960: Williams, John George: ROM: 1 [1 - **1** - **1**].
Langenburg [=?Ikombe]: Collection Date Unknown: Fülleborn: ZMB: 4 [4 - **4** - **4**].
Lembeni: 6 May 1957: Andersen: SMNS: 1 [1 - **1**] - 3 June 1957: Andersen: ZFMK: 2 [2 - **2**] - 11 June 1957: Andersen: SMNS: 1 [1 - **1**] - 17 June 1957: Andersen, Th.: ZFMK: 1 [1 - **1**] - 21 June 1957: Andersen, Th.: ZFMK: 1 [1 - **1**] - 23 August 1957: Andersen, Th.: SMNS: 1 [1 - **1**] - 26 August 1957: Andersen, Th.: ZFMK: 1 [1 - **1**] - 5 September 1957: Andersen: SMNS: 1 [1 - **1**] - 4 November 1957: Andersen: SMNS: 1 [1]; Andersen, Th.: SMNS: 2 [2 - **3**] - 17 December 1957: Andersen: SMNS: 1 [1 - **1**] - 21 January 1960: Andersen: ZFMK: 1 [1 - **1**] - 17 March 1960: Andersen, Th.: ZFMK: 1 [1 - **1**] - 18 March 1960: Andersen, Th.: ZFMK: 1 [1 - **1**] - 21 March 1960: Andersen, Th.: ZFMK: 1 [1 - **1**] - 18 April 1960: Andersen, Th.: ZFMK: 1 [1 - **1**] - 23 April 1960: Andersen: ZFMK: 1 [1 - **1**] - 27 April 1960: Andersen, Th.: ZFMK: 2 [2 - **2**] - 2 May 1960: Andersen: ZFMK: 3 [3 - **3**] - 11 May 1960: Andersen, Th.: ZFMK: 1 [1 - **1** - **25**].
Li Junge, mountain: Collection Date Unknown: Schuster, Karl J.: ZMB: 1 [1 - **1** - **1**].
Li Tunge: Collection Date Unknown: Schuster, Karl J.: ZMB: 1 [1 - **1** - **1**].
Likawage: Collection Date Unknown: Ionides, Constantine J.P.: BMNH: 1 [1 - **1**] - 13 January 1954: Ionides, Constantine J.P.: BMNH: 6 [6 - **6** - **7**].
Lindi: Collection Date Unknown: Fülleborn: ZMB: 7 [7]; Howell, Kim M.: SMF: 1 [1 - **8**] - 29 November 1912: Lademann: ZMB: 1 [1 - **1** - **9**].
Lindi region: Collection Date Unknown: ?: Collector Unknown: SMF: 20 [20]; Howell, Kim M.: SMF: 4 [4 - **24**] - 11 July 1958: ?: Collector Unknown: SMF: 3 [3 - **3**] - 1 April 1959: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 January 1989: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 July 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 24 July 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 August 1992: ?: Collector Unknown: SMF: 3 [3 - **3**] - 7 August 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 August 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 30 August 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 September 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 September 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 26 July 1993: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 August 1993: ?: Collector Unknown: SMF: 2 [2 - **2**] - 7 August 1993: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 August 1993: ?: Collector Unknown: SMF: 1 [1 - **1** - **45**].

Lipumba: 14 July 1931: Naumann; Eichert: SMTD: 1 [1 - **1** - **1**].
Litipo Forest Reserve: 30 July 1993: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - 6 August 1993: Frontier Tanzania collection, The: SMF: 2 [2 - **2**] - 12 August 1993: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **4**].
Liwale: Collection Date Unknown: ?: Collector Unknown: BMNH: 6, HZM: 1 [7]; Louwdes, C.J.P.: CAWM: 1 [1 - **8**] - 11 December 1951: Ionides, Constantine J.P.: HZM: 2 [2 - **2**] - 27 January 1953: Swynnerton, G.H.; Brooks: BMNH: 1 [1 - **1**] - 1 February 1953: Ionides, Constantine J.P.: BMNH: 1 [1 - **1**] - 4 June 1953: Ionides, Constantine J.P.: BMNH: 1 [1 - **1**] - 6 February 1954: Ionides, Constantine J.P.: BMNH: 1 [1 - **1**] - 10 April 1954: Ionides, Constantine J.P.: SMF: 1 [1 - **1**] - 13 May 1954: Ionides, Constantine J.P.: BMNH: 2 [2 - **2**] - 26 May 1957: Ionides, Constantine J.P.: HZM: 1 [1 - **1**] - 4 June 1958: : SMF: 2 [2]; Harrison, David Lakin: ROM: 1 [1 - **3**] - 1 November 1958: Ionides, Constantine J.P.: HZM: 1 [1 - **1**] - 9 November 1958: Ionides, Constantine J.P.: HZM: 1 [1 - **1** - **23**].
Liwale T.T.: 12 February 1954: Swynnerton, G.H.: AMNH: 1 [1 - **1**] - 28 March 1954: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **2**].
Longuza North Forest Reserve: 11 November 1995: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1** - **1**].
Lugerungjere river: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Lugoda Tea Estate: 11 April 1982: Baker, Niel: SMF: 3 [3 - **3**] - 24 February 1984: Baswell: SMF: 1 [1 - **1** - **4**].
Lugulu Village, near: 17 July 1993: Goodman, Steven M.: FMNH: 3 [3 - **3** - **3**].
Lukoga: 4 October 1961: Rees, A.F.: HZM: 1 [1]; Rees, A.F.?: HZM: 1 [1 - **2** - **2**].
Machaga cave: 29 August 2007: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].
Madaba: 10 September 1958: Harrison, David Lakin: SMF: 1 [1 - **1** - **1**].
Madehani: 24 January 1930: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 25 January 1930: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 24 February 1930: Loveridge, Arthur: MCZ: 8 [8 - **8**] - 25 February 1930: Loveridge, Arthur: MCZ: 2 [2 - **2** - **13**].
Mafia: Collection Date Unknown: Bojer, W.: NMW: 1 [1 - **1** - **1**].
Mafia Island: Collection Date Unknown: Moreau, R.E.: BMNH: 1 [1 - **1**] - 1 January 1941: Piggott, D.W.I.: NMK: 1 [1 - **1**] - 1 May 1992: Howell, Kim M.: SMF: 3 [3 - **3** - **5**].
Mafinji Camp: 22 January 2000: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Magamba: 22 July 1963: Mumford, Russell E.: ROM: 1 [1 - **1**] - 27 February 2006: RatZooMan [=Rodent Zoonosis Management] project, The: RMCA: 1 [1 - **1** - **2**].
Magrotto Estate: 26 June 1939: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 29 June 1939: Loveridge, Arthur: MCZ: 9 [9 - **9**] - 11 July 1939: Loveridge, Arthur: MCZ: 19 [19 - **19**] - 13 July 1939: Loveridge, Arthur: MCZ: 1 [1 - **1** - **30**].
Magrotto Hill: Collection Date Unknown: Howell, Kim M.: FMNH: 2 [2 - **2**] - 3 September 1994: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1** - **3**].
Magrotto mountains: Collection Date Unknown: Martienssen: ZMB: 6 [6 - **6**] - 1 July 1939: Loveridge, Arthur: MCZ: 10 [10 - **10** - **16**].
Mahenge: Collection Date Unknown: Rees, A.F.: BMNH: 2, HZM: 3 [5 - **5**] - 9 January 1959: Harrison, David Lakin; Schwartz, A.: KU: 1 [1 - **1**] - 9 February 1959: Rees, A.F.: ROM: 1 [1 - **1**] - 23 February 1962: Harrison, David Lakin: ROM: 1 [1 - **1** - **8**].
Mahenge Scarp Forest Reserve: 16 February 2003: Howell, Kim M.: FMNH: 1 [1 - **1**] - 19 February 2003: Howell, Kim M.: FMNH: 1 [1 - **1**] - 20 February 2003: Howell, Kim M.: FMNH: 2 [2 - **2**] - 23 February 2003: Howell, Kim M.: FMNH: 4 [4 - **4**] - 24 February 2003: Howell, Kim M.: FMNH: 1 [1 - **1** - **9**].
Makangazi: 12 October 1926: Loveridge, Arthur: MCZ: 4 [4 - **4** - **4**].
Makarazi: 12 October 1926: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Makoa: Collection Date Unknown: Zink, G.: SMNS: 10 [10 - **10** - **10**].
Makoa Caves: 19 April 1965: Szunyoghy, J.: HNHM: 13 [13 - **13** - **13**].
Makullo [=Makulo]: Collection Date Unknown: Steudner: ZMB: 1 [1 - **1** - **1**].
Malindi: Collection Date Unknown: Fischer: ZMB: 4 [4 - **4** - **4**].
Manga Forest Reserve: 27 July 1997: Frontier Tanzania collection, The: SMF: 2 [2 - **2** - **2**].
Mangangachi: 16 January 1954: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].
Mangapwani: 21 November 1939: Pakenham, Richard Hercules Wingfield: MCZ: 6 [6 - **6** - **6**].
Mangola: 28 July 1986: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].
Mangula: 22 June 1995: Moehlman, Patricia D.: FMNH: 3 [3 - **3**] - 23 June 1995: Moehlman, Patricia D.: FMNH: 3 [3 - **3** - **6**].
Manyangu Forest Reserve: 22 July 1997: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].
Manyara, Lake: Collection Date Unknown: Cooper, B.: BMNH: 3 [3 - **3**] - 18 December 1957: Foster, J.B.; Bateman, R.M.: ROM: 4 [4 - **4**] - 20 December 1957: Foster, J.B.; Bateman, R.M.: ROM: 1 [1 - **1**] - 16 March 1968: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 11 May 1986: Howell, Kim M.: SMF: 1 [1 - **1** - **10**].
Mara: 17 May 1970: Jonathan, J.: ROM: 5 [5 - **5**] - 18 May 1970: Jonathan, J.: ROM: 1 [1 - **1** - **6**].
Marahubi Mlangoni: Collection Date Unknown: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1** - **1**].
Mararenge: 11 July 1958: Harrison, David Lakin: ROM: 2 [2 - **2** - **2**].
Marienhof: 1 January 1905: Ranniger: MHNG: 1 [1 - **1** - **1**].
Marungu: Collection Date Unknown: Böhm, Richard: ZMB: 5 [5 - **5** - **5**].
Maruwa Jongo cave: 11 August 2006: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].
Masimani: Collection Date Unknown: Schilling, K.: ZMB: 1 [1]; Schillings: ZMB: 1 [1 - **2** - **2**].
Masingini Forest Station: 27 August 2007: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9** - **9**].
Matai Forest Reserve: 2 August 1996: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **1**].
Matanilas: 26 September 1926: Conover, (Henry) Boardman: FMNH: 1 [1 - **1**] - 1 October 1926: Conover, (Henry) Boardman: FMNH: 1 [1 - **1** - **2**].
Matema village: 2 January 2006: Moyer, D.C.: FMNH: 1 [1 - **1** - **1**].
Matete river: 17 October 1938: Kohl-Larsen expedition, the: SMF: 1 [1 - **1** - **1**].
Matumbi: 18 November 1989: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].
Matumbi-Berge [=Matumbi Hishlands]: Collection Date Unknown: ?: Collector Unknown: ZMB: 3 [3 - **3** - **3**].
Maua, 4 km N, 1.5 km W: 28 August 2002: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].
Maua, 7 km N, 2.5 km W: 22 July 2002: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 23 July 2002: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **2**].
Mawarenge: 7 February 1958: Harrison, David Lakin: AMNH: 6 [6 - **6** - **6**].
Mawere: Collection Date Unknown: Vernay, Arthur S.; Lang, Herbert: AMNH: 1 [1 - **1**] - 20 January 1935: Carnochan, Frederic Grosvenor: AMNH: 1 [1 - **1** - **2**].
Maziwa ya Ngombe: 22 January 1940: Pakenham, Richard Hercules Wingfield: MCZ: 5 [5 - **5**] - 10 August 2006: Stanley, William ("Bill") T.: FMNH: 16 [16 - **16** - **21**].

Maziwangombe: 22 January 1940: Pakenham, Richard Hercules Wingfield: MCZ: 3 [3 - **3** - **3**].
Mazumba Estate: Collection Date Unknown: Baagøe, Hans J.: ZMUC: 11 [11 - **11**] - 21 January 1981: Howell, Kim M.; Stuart, S.N.: SMF: 1 [1 - **1** - **12**].
Mazumbai Forest Reserve: 1 January 1981: Howell, Kim M.: FMNH: 1 [1 - **1**] - 25 January 1981: Howell, Kim M.: FMNH: 1 [1 - **1**] - 28 January 1981: Howell, Kim M.: FMNH: 1 [1 - **1**] - 29 January 1981: Howell, Kim M.: FMNH: 1 [1 - **1**] - 28 August 1985: Howell, Kim M.: FMNH: 3 [3 - **3**] - 29 August 1985: ?: Collector Unknown: SMF: 1 [1]; Grossmann, H.: SMF: 1 [1 - **2** - **9**].
Mbala: 27 February 1923: Loveridge, Arthur: USNM: 1 [1 - **1** - **1**].
Mbanja [= Mbangala]: 26 April 1939: Loveridge, Arthur: MCZ: 3 [3 - **3**] - 28 April 1939: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 3 May 1939: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 4 May 1939: Loveridge, Arthur: MCZ: 14 [14 - **14** - **19**].
Mbarangandu: 5 November 1953: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].
Mbemba: 10 June 1958: Harrison, David Lakin: ROM: 1, SMF: 1 [2]; Rees, A.F.?: SMF: 1 [1 - **3** - **3**].
Mbeya: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Mbeya region: Collection Date Unknown: ?: Collector Unknown: SMF: 8 [8 - **8**] - 18 July 1980: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1981: ?: Collector Unknown: SMF: 2 [2 - **2**] - 11 November 1981: ?: Collector Unknown: SMF: 5 [5 - **5**] - 1 February 1982: ?: Collector Unknown: SMF: 1 [1 - **1**] - 23 May 1982: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 September 1984: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 April 1985: ?: Collector Unknown: SMF: 2 [2 - **2**] - 30 December 1996: ?: Collector Unknown: SMF: 4 [4 - **4**] - 31 December 1996: ?: Collector Unknown: SMF: 2 [2 - **2** - **27**].
Mbeya Township: 17 April 1956: Swynnerton, G.H.: AMNH: 5 [5 - **5** - **5**].
Mbiji: Collection Date Unknown: Loveridge, Arthur: BMNH: 2 [2 - **2** - **2**].
Mbizi Forest: 18 October 1971: Osborne, T.O.: NMZL: 1 [1 - **1** - **1**].
Mbizi Forest Reserve: 2 August 2001: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].
Mbulu: 1 January 1923: Clark, James ("Jamie") L.: AMNH: 1 [1 - **1**] - 5 August 1937: Cooper, B.: FMNH: 2 [2 - **2** - **3**].
Mbuya Mingi Campsite, near: 17 July 1996: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].
Mbuyuni village: 11 August 2006: Stanley, William ("Bill") T.: FMNH: 9 [9 - **9** - **9**].
Mbweni: Collection Date Unknown: Pakenham, Richard Hercules Wingfield: BMNH: 2 [2 - **2**] - 8 December 1938: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1** - **3**].
Mchungu Forest Reserve: 21 August 1990: Howell, Kim M.: FMNH: 1 [1 - **1**] - 22 August 1990: Howell, Kim M.: FMNH: 3 [3 - **3** - **4**].
Mdandu Forest: 9 October 1962: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].
Meru Crater: 18 August 2009: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 19 August 2009: ?: Collector Unknown: FMNH: 3 [3 - **3** - **4**].
Meru River: 17 August 1909: Allen, Glover Morrill: MCZ: 5 [5 - **5** - **5**].
Mfulu: Collection Date Unknown: von Erlanger, C.: ZMB: 1 [1 - **1** - **1**].
Mgambo Forest Reserve: 30 August 1996: Cordeiro, Norbert J.: FMNH: 3 [3 - **3**] - 31 August 1996: Cordeiro, Norbert J.: FMNH: 1 [1 - **1**] - 2 September 1996: Cordeiro, Norbert J.: FMNH: 1 [1 - **1**] - 6 September 1996: Cordeiro, Norbert J.: FMNH: 1 [1 - **1**] - 7 September 1996: Cordeiro, Norbert J.: FMNH: 1 [1 - **1** - **7**].
Mgogoni: Collection Date Unknown: Lumsden, W.H.R.: BMNH: 5 [5 - **5** - **5**].
Mgudeni: 24 February 1984: Telford, Steve: RMCA: 4 [4 - **4** - **4**].
Mikindani: Collection Date Unknown: Andersen, Th.: SMF: 1 [1]; Grote, Hermann: ZMB: 10 [10]; Schillings: ZMB: 1 [1 - **12**] - 15 April 1939: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 14 July 1962: Andersen, Th.: SMF: 1 [1 - **1**] - 17 July 1962: Andersen: ZFMK: 1 [1 - **1**] - 18 July 1962: Andersen: ZFMK: 3 [3]; Andersen, Th.: SMF: 3 [3 - **6**] - 23 July 1962: Andersen, Th.: SMF: 1 [1 - **1**] - 24 July 1962: Andersen: ZFMK: 1 [1 - **1**] - 14 August 1962: Andersen: ZFMK: 3 [3 - **3**] - 5 September 1962: Andersen, Th.: ZFMK: 1 [1 - **1**] - 1 October 1962: Andersen, Th.: ZFMK: 1 [1 - **1**] - 12 December 1963: Andersen, Th.: ZFMK: 2 [2 - **2**] - 13 December 1963: Andersen: ZFMK: 4 [4 - **4**] - 9 March 1964: Andersen, Th.: SMF: 1 [1 - **1**] - 17 March 1964: Andersen, Th.: SMF: 1 [1 - **1**] - 20 March 1964: Andersen, Th.: SMF: 4 [4 - **4**] - 21 March 1964: Andersen, Th.: SMF: 5 [5 - **5**] - 17 June 1964: Andersen, Th.: ZFMK: 1 [1 - **1**] - 8 August 1964: Andersen, Th.: SMF: 2 [2 - **2**] - 17 September 1964: Andersen, Th.: SMF: 2 [2 - **2**] - 20 September 1964: Andersen, Th.: SMF: 3 [3 - **3**] - 28 September 1964: Andersen, Th.: SMF: 1 [1 - **1**] - 1 October 1964: Andersen, Th.: SMF: 4 [4 - **4**] - 1 January 1965: Andersen, Th.: SMF: 3 [3 - **3**] - 13 January 1965: Andersen, Th.: SMF: 2 [2 - **2**] - 14 January 1965: Andersen, Th.: SMF: 1 [1 - **1**] - 22 January 1965: Andersen, Th.: SMF: 1 [1 - **1**] - 21 February 1965: Andersen, Th.: SMF: 1 [1 - **1**] - 11 February 1966: Andersen, Th.: SMF: 12 [12 - **12**] - 14 February 1966: : SMF: 4 [4]; Andersen, Th.: SMF: 8 [8 - **12**] - 30 March 1966: Andersen, Th.: SMF: 6 [6 - **6**] - 13 May 1966: Andersen, Th.: SMF: 3 [3 - **3**] - 14 May 1966: Andersen, Th.: SMF: 6 [6 - **6**] - 18 May 1966: Andersen, Th.: SMF: 6 [6 - **6**] - 22 May 1966: Andersen, Th.: SMF: 13 [13 - **13**] - 27 May 1966: Andersen, Th.: SMF: 4 [4 - **4**] - 30 May 1966: Andersen, Th.: SMF: 1 [1 - **1**] - 2 June 1966: Andersen, Th.: SMF: 1 [1 - **1**] - 22 June 1966: Andersen, Th.: SMF: 3 [3 - **3**] - 27 June 1966: Andersen, Th.: SMF: 23 [23 - **23**] - 30 June 1966: Andersen, Th.: SMF: 9 [9 - **9**] - 6 July 1966: Andersen, Th.: SMF: 3 [3 - **3** - **169**].
Mikumi National Park: 30 June 1997: Howell, Kim M.: FMNH: 1 [1 - **1**] - 17 July 2004: Stanley, William ("Bill") T.: FMNH: 13 [13 - **13**] - 29 July 2005: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 1 September 2007: : FMNH: 1 [1 - **1** - **16**].
Mikumi National Park, H.Q.: Collection Date Unknown: Norton, G.; Roertgen, B.: BMNH: 1 [1 - **1**] - 10 April 1983: Howell, Kim M.: SMF: 1 [1 - **1**] - 16 April 1986: Howell, Kim M.: SMF: 1 [1 - **1**] - 9 September 1987: Leirs, Herwig: RMCA: 1 [1 - **1** - **4**].
Milaliwila Forest Reserve: 21 August 2000: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Milimafedha mine: 24 October 1970: Hawkins, James D.: ROM: 1 [1 - **1**] - 25 October 1970: Hawkins, James D.: ROM: 1 [1 - **1** - **2**].
Minaki, St. Andrews College: 18 September 1961: Ogilvie, Philip W.: KU: 1 [1 - **1**] - 21 September 1961: Ogilvie, Philip W.: KU: 1 [1 - **1**] - 28 January 1962: Ogilvie, M.B. (or Philip W.): KU: 1 [1 - **1**] - 29 January 1962: Ogilvie, M.B.: KU: 1 [1]; Ogilvie, Philip W.: KU: 2 [2 - **3**] - 30 January 1962: Ogilvie, M.B.: KU: 2 [2]; Ogilvie, Philip W.: KU: 6 [6 - **8**] - 24 February 1962: Ogilvie, M.B.: KU: 1 [1 - **1**] - 2 March 1962: Ogilvie, M.B.: KU: 1 [1 - **1**] - 3 March 1962: Ogilvie, M.B.: KU: 1 [1]; Ogilvie, M.B. (or Philip W.): KU: 1 [1 - **2**] - 15 March 1962: Ogilvie, M.B. (or Philip W.): KU: 1 [1 - **1**] - 26 May 1962: Ogilvie, M.B.: KU: 1 [1 - **1** - **20**].
Minziro: 14 February 1968: Archer, A.L.: LACM: 4 [4 - **4** - **4**].
Minziro Forest Reserve: 17 July 1987: Howell, Kim M.: SMF: 1 [1 - **1**] - 20 August 2006: Stanley, William ("Bill") T.: FMNH: 8 [8 - **8**] - 21 August 2006: Stanley, William ("Bill") T.: FMNH: 7 [7 - **7**] - 22 August 2006: Stanley, William ("Bill") T.: FMNH: 20 [20 - **20**] - 23 August 2006: : FMNH: 2 [2]; Stanley, William ("Bill") T.: FMNH: 23 [23 - **25** - **61**].
Misingi: 14 July 1952: Zink, G.: SMNS: 1 [1 - **1** - **1**].

Mizi Miombe Hill: Collection Date Unknown: Pakenham, Richard Hercules Wingfield: BMNH: 2 [2 - **2** - **2**].
Mkalama: 28 October 1921: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Mkangasi: 12 October 1926: Loveridge, Arthur: MCZ: 9 [9 - **9** - **9**].
Mkanyagini: 4 August 1939: Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **1** - **1**].
Mkoani: 24 May 1939: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1** - **1**].
Mkomazi: 8 June 1965: Taylor, R.H.: PSM: 1 [1 - **1** - **1**].
Mkomazi Game Reserve: 6 October 1966: George, W.: MSU: 1 [1 - **1** - **1**].
Mkulumsi: 1 June 1905: Sjöstedt, Bror Yngve: MNHN: 1 [1 - **1** - **1**].
Mkundi: 7 July 1988: Verhagen, Ron; Leirs, Herwig: RMCA: 1 [1 - **1** - **1**].
Mkungwe Forest Reserve: 10 July 2000: Howell, Kim M.: FMNH: 1 [1 - **1**] - 12 August 2000: Howell, Kim M.: FMNH: 2 [2 - **2** - **3**].
Mkvani: 26 July 1939: Pakenham, Richard Hercules Wingfield: MCZ: 3 [3 - **3**] - 29 July 1939: Pakenham, Richard Hercules Wingfield: MCZ: 2 [2 - **2** - **5**].
Mkwaja Ranch Forests: 4 September 1991: : SMF: 1 [1 - **1** - **1**].
Mlola Forest: 26 October 1990: Howell, Kim M.: FMNH: 2 [2 - **2**] - 28 November 1995: Howell, Kim M.: FMNH: 5 [5 - **5**] - 6 August 2005: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4**] - 7 August 2005: Stanley, William ("Bill") T.: FMNH: 29 [29 - **29**] - 8 August 2005: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 9 August 2005: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **43**].
Mlumbaji Stream camp: 16 October 1994: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Mnara: Collection Date Unknown: Verheyen, Walter N.; Leirs, Herwig: RMCA: 3 [3 - **3**] - 5 July 1987: Verheyen, Walter N.; Leirs, Herwig: RMCA: 49 [49 - **49** - **52**].
Mohorro [=Mohoro plantation]: Collection Date Unknown: Langheld: ZMB: 1 [1 - **1** - **1**].
Mojoni [=Muyuni]: Collection Date Unknown: Neumann: ZMB: 11 [11 - **11** - **11**].
Mombo: 3 March 1964: Williams, A.E.; Williams, John George: ROM: 1 [1 - **1** - **1**].
Mongola: 3 September 1984: Howell, Kim M.; Harly: SMF: 1 [1 - **1** - **1**].
Moringside: 15 April 1985: Andulege; Mdumu: SMF: 1 [1 - **1** - **1**].
Morningside: 24 April 1980: Howell, Kim M.; Mihok, S: SMF: 1 [1 - **1**] - 22 September 1982: Telford, Steve: RMCA: 3 [3 - **3** - **4**].
Morogoro: Collection Date Unknown: : BMNH: 1 [1]; Loveridge, Arthur: BMNH: 8, USNM: 1 [9]; Pócs, Tamas: HNHM: 10 [10]; Schönheit: ZMB: 1 [1]; Stuhlmann, Franz Ludwig: ZMB: 1 [1]; Swaythling, Ld.: BMNH: 1 [1 - **23**] - 11 January 1917: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 17 January 1917: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 14 February 1917: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 29 March 1917: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 2 April 1917: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 3 April 1917: Loveridge, Arthur: BMNH: 1, MCZ: 1 [2 - **2**] - 25 June 1917: Lang, Herbert; Chapman; Loveridge, Arthur: MCZ: 2 [2 - **2**] - 13 July 1917: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 15 September 1917: Loveridge, Arthur: BMNH: 1 [1 - **1**] - 8 October 1917: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 11 November 1917: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 11 January 1918: Beebe, Charles William ("Will"): AMNH: 2 [2 - **2**] - 13 February 1918: Loveridge, Arthur: USNM: 4 [4 - **4**] - 10 March 1918: Beebe, Charles William ("Will"): AMNH: 1 [1 - **1**] - 6 April 1918: Beebe, Charles William ("Will"): AMNH: 1 [1 - **1**] - 18 July 1918: Beebe, Charles William ("Will"): AMNH: 1 [1 - **1**] - 22 November 1918: Loveridge, Arthur: BMNH: 1 [1 - **1**] - 17 July 1960: Andersen, Th.: ZFMK: 3 [3 - **3**] - 1 January 1981: Telford, Steve: RMCA: 1 [1 - **1**] - 28 August 1981: Telford, Steve: RMCA: 1 [1 - **1**] - 27 September 1981: Telford, Steve: RMCA: 2 [2 - **2**] - 27 December 1981: Telford, Steve: RMCA: 2 [2 - **2**] - 1 October 1982: Telford, Steve: RMCA: 1 [1 - **1**] - 1 April 1983: Telford, Steve: RMCA: 1 [1 - **1**] - 10 May 1983: Telford, Steve: RMCA: 1 [1 - **1**] - 11 July 1984: Telford, Steve: RMCA: 1 [1 - **1** - **63**].
Morogoro region: Collection Date Unknown: ?: Collector Unknown: SMF: 23 [23]; Howell, Kim M.: SMF: 1 [1 - **24**] - 17 January 1959: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 August 1959: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 June 1977: ?: Collector Unknown: SMF: 1 [1 - **1**] - 26 April 1980: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 September 1981: Stuart, S.N.: SMF: 1 [1 - **1**] - 27 September 1981: ?: Collector Unknown: SMF: 3 [3 - **3**] - 26 December 1981: ?: Collector Unknown: SMF: 1 [1 - **1**] - 24 July 1982: ?: Collector Unknown: SMF: 1 [1 - **1**] - 16 April 1984: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 April 1984: ?: Collector Unknown: SMF: 2 [2 - **2**] - 18 April 1984: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 November 1984: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 November 1984: ?: Collector Unknown: SMF: 1 [1 - **1**] - 15 April 1985: ?: Collector Unknown: SMF: 1 [1 - **1**] - 16 April 1986: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 December 1987: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 January 1988: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 April 1988: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 January 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 22 March 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 August 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 13 September 1993: ?: Collector Unknown: SMF: 3 [3 - **3**] - 23 January 1999: ?: Collector Unknown: SMF: 3 [3 - **3**] - 10 February 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 13 February 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 22 January 2000: ?: Collector Unknown: SMF: 1 [1 - **1** - **58**].
Morogoro, 20 mi N: 15 September 1960: Twomey, A.C.: CM: 1 [1 - **1** - **1**].
Morogoro, near: 29 December 1961: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - 3 May 1962: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **2**].
Moshi: Collection Date Unknown: Baxter: BMNH: 1 [1]; Neumann: ZMB: 1 [1]; Neumann, Oscar Rudolph: ZMB: 1 [1 - **3**] - 18 March 1959: Harrison, David Lakin: HNHM: 1 [1 - **1**] - 16 May 1959: Colley, W.: ROM: 1 [1 - **1**] - 5 February 1965: : SMF: 9 [9 - **9** - **14**].
Moshi Voi: Collection Date Unknown: Kittenberger, K.: HNHM: 1 [1 - **1** - **1**].
Mount Usambara: Collection Date Unknown: ?: Collector Unknown: MNHN: 7 [7 - **7** - **7**].
Mpapua [=Mpwapwa]: Collection Date Unknown: Lademann: ZMB: 1 [1 - **1**] - 2 May 1970: Barkhouse, P.: ROM: 1 [1 - **1**] - 3 May 1970: Barkhouse, P.: ROM: 1 [1 - **1** - **3**].
Msongozi: 24 September 1982: Telford, Steve: RMCA: 1 [1 - **1** - **1**].
Mtai Forest Reserve: 21 January 1997: : SMF: 1 [1 - **1** - **1**].
Mtandika: Collection Date Unknown: Jörgens: ZMB: 6 [6 - **6** - **6**].
Mtira: Collection Date Unknown: Fülleborn: ZMB: 1 [1 - **1** - **1**].
Mto wa Mbu: 26 April 1954: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **1**].
Mtondo River: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Mtowamba: 28 November 1946: Carter, T. Donald: AMNH: 1 [1 - **1** - **1**].
Mto-Wa-Mbo: Collection Date Unknown: Corbet, Gordon B.; Ingles, Jane M.: BMNH: 1 [1]; Matthews, L. Harrison: BMNH: 1 [1 - **2** - **2**].
Mtwara region: 23 January 1960: ?: Collector Unknown: SMF: 1 [1 - **1**] - 30 July 1962: Andersen, Th.: SMF: 2 [2 - **2**] - 17 February 1964: Andersen, Th.: SMF: 1 [1 - **1**] - 17 March 1964: Andersen, Th.: SMF: 1 [1 - **1**] - 17 September 1964: Andersen, Th.: SMF: 1 [1 - **1**] - 15 January 1966: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 February 1966: Andersen,

Th.: SMF: 1 [1 - **1**] - 14 February 1966: ?: Collector Unknown: SMF: 1 [1]; Andersen, Th.: SMF: 1 [1 - **2**] - 22 June 1966: Andersen, Th.: SMF: 3 [3 - **3**] - 8 July 1966: Andersen, Th.: SMF: 1 [1 - **1**] - 18 July 1966: Andersen, Th.: SMF: 2 [2 - **2**] - 20 July 1966: Andersen, Th.: SMF: 1 [1 - **1**] - 24 April 1984: ?: Collector Unknown: SMF: 1 [1 - **1** - **18**].

Muanibunge: Collection Date Unknown: Glauning: ZMB: 1 [1 - **1** - **1**].

Muansa [=Mwanza]: Collection Date Unknown: Neumann: ZMB: 1 [1 - **1**] - 20 October 1922: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 30 October 1922: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 4 January 1929: Carnochan, Frederic Grosvenor: MCZ: 1 [1 - **1**] - 10 January 1929: Carnochan, Frederic Grosvenor: MCZ: 2 [2 - **2**] - 12 January 1929: Carnochan, Frederic Grosvenor: MCZ: 1 [1 - **1**] - 6 June 1930: Loveridge, Arthur: MCZ: 14 [14 - **14**] - 7 June 1930: Loveridge, Arthur: FMNH: 1, MCZ: 1 [2 - **2**] - 1 January 1968: Williams, John George: ROM: 1 [1 - **1** - **26**].

Muanza: 15 November 1974: Easton, Emmett R.: AMNH: 14 [14 - **14** - **14**].

Mugeta: 17 May 1970: Jonathan, J.: ROM: 4 [4 - **4** - **4**].

Muhange: 26 February 1964: Rees, A.F.; Start, Anthony N.: BMNH: 1 [1 - **1** - **1**].

Muheza: 4 August 1974: Baagøe, Hans J.: ZMUC: 16 [16 - **16** - **16**].

Muheza Forest, Tongwe Forest Reserve: 23 January 1992: Cockle, Anya: SMF: 1 [1 - **1** - **1**].

Mulenge Forest: 25 August 1999: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].

Musabi Special Camp: 4 August 1962: Plisnier, J.: RBINS: 2 [2 - **2** - **2**].

Mvuha Forest Reserve: 23 July 2000: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Mwanamakuku cave: 11 August 2006: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3** - **3**].

Mwanihana forest: 18 May 1970: Jonathan, J.: ROM: 1 [1 - **1**] - 11 January 1981: Howell, Kim M.: SMF: 2 [2 - **2**] - 24 July 1982: Msuya, C.A.: SMF: 1 [1 - **1**] - 17 April 1984: Howell, Kim M.: SMF: 1 [1 - **1** - **5**].

Mwanihana Forest Reserve: 17 September 1981: Stuart, S.N.: SMF: 1 [1 - **1** - **1**].

Mwansomanos: 9 January 1929: : AMNH: 2 [2 - **2**] - 10 January 1929: : AMNH: 1 [1 - **1**] - 11 January 1929: : AMNH: 1 [1 - **1**] - 30 September 1929: : AMNH: 1 [1 - **1**] - 10 October 1929: : AMNH: 1 [1 - **1** - **6**].

Mwanza: 8 February 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 26 February 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 1 March 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 30 May 1983: Roger, C.F.E.: ZMA: 1 [1 - **1**] - 19 June 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 3 August 1983: Sandee, H.: ZMA: 1 [1 - **1**] - 6 August 1983: Sandee, H.: ZMA: 1 [1 - **1**] - 11 September 1983: Luttik, R.: ZMA: 2 [2 - **2**] - 1 December 1983: Luttik, R.: ZMA: 2 [2 - **2**] - 1 January 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 10 February 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 11 February 1985: Goudswaard, P.C. [Kees]: ZMA: 3 [3 - **3**] - 13 February 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 17 February 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 18 February 1985: Goudswaard, P.C. [Kees]: ZMA: 2 [2 - **2**] - 19 February 1985: Goudswaard, P.C. [Kees]: ZMA: 4 [4 - **4**] - 20 February 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 21 February 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 22 February 1985: Goudswaard, P.C. [Kees]: ZMA: 2 [2 - **2**] - 24 February 1985: Goudswaard, P.C. [Kees]: ZMA: 3 [3 - **3**] - 26 February 1985: Goudswaard, P.C. [Kees]: ZMA: 3 [3 - **3**] - 3 March 1985: Goudswaard, P.C. [Kees]: ZMA: 2 [2 - **2**] - 11 March 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 15 March 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 16 March 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 17 March 1985: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 26 March 1985: Goudswaard, P.C. [Kees]: ZMA: 6 [6 - **6**] - 10 February 1987: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 18 February 1987: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 22 March 1987: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1** - **49**].

Mwanza region: Collection Date Unknown: ?: Collector Unknown: SMF: 3 [3 - **3**] - 1 August 1998: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 August 1998: ?: Collector Unknown: SMF: 3 [3 - **3**] - 19 August 1998: ?: Collector Unknown: SMF: 2 [2 - **2** - **9**].

Mwasa: 17 February 1959: Rees, A.F.: FMNH: 1 [1 - **1** - **1**].

Mwaya: Collection Date Unknown: Ionides, Constantine J.P.: BMNH: 1 [1 - **1**] - 5 March 1930: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 7 March 1930: Loveridge, Arthur: MCZ: 8 [8 - **8**] - 22 August 1960: Conicks: HZM: 1 [1 - **1** - **11**].

Mwaya, southwestern: 5 March 1930: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 6 March 1930: Loveridge, Arthur: MCZ: 2 [2 - **2** - **3**].

Mwazye: Collection Date Unknown: Fromm: ZMB: 1 [1 - **1** - **1**].

Mwela: 14 February 1966: Kalchreuter: SMNS: 1 [1 - **1** - **1**].

Mwiti Mkuu: Collection Date Unknown: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1** - **1**].

Mwofwomero Forest: 15 April 2007: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Mwsamwilager: Collection Date Unknown: Fromm: ZMB: 1 [1 - **1** - **1**].

Myaiai: 20 January 1917: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].

Nachingwea: 20 November 1956: ?: Collector Unknown: BRTC: 1 [1]; : SMF: 1 [1 - **2**] - 3 July 1957: Ionides,Constantine J.P.: WAM: 1 [1 - **1**] - 16 June 1958: Harrison, David Lakin: ROM: 1 [1 - **1**] - 30 June 1958: Harrison, David Lakin: ROM: 1 [1 - **1**] - 6 July 1958: Harrison, David Lakin: ROM: 1 [1 - **1**] - 19 October 1958: Rees, A.F.: HZM: 6 [6 - **6**] - 30 March 1959: : SMF: 1 [1 - **1** - **13**].

Nakibou: 1 February 1954: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Namakutwa Forest Reserve: 30 August 1992: Howell, Kim M.: FMNH: 3 [3 - **3** - **3**].

Namanjere [=Namanyere]: Collection Date Unknown: Fromm: ZMB: 1 [1 - **1** - **1**].

Nambiga Forest Reserve: Collection Date Unknown: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].

Namithu Kilwa: 3 February 1954: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].

Namumbulu: 11 January 1954: Ionides, Constantine J.P.: BMNH: 4 [4 - **4** - **4**].

Nangoma cave?: Collection Date Unknown: Methner: ZMB: 2 [2 - **2** - **2**].

Nanguale: 3 October 1955: Ionides, Constantine J.P.: BMNH: 3 [3 - **3** - **3**].

Nashallo: 9 September 1952: Zink, G.: SMNS: 2 [2 - **2** - **2**].

Natron, W side lake: 22 August 1964: Leaket: BMNH: 2 [2 - **2** - **2**].

Nawenge Forest Reserve: 24 January 2003: Howell, Kim M.: FMNH: 1 [1 - **1**] - 30 January 2003: Howell, Kim M.: FMNH: 1 [1 - **1** - **2**].

Ndala: Collection Date Unknown: ?: Collector Unknown: HZM: 3 [3 - **3**] - 17 March 1971: Harrison, David Lakin: SMF: 1 [1 - **1** - **4**].

New Dabaga/Ulangambi Forest Reserve: 22 October 2000: Howell, Kim M.: FMNH: 1 [1 - **1**] - 1 November 2000: Howell, Kim M.: FMNH: 4 [4 - **4**] - 2 November 2000: Howell, Kim M.: FMNH: 1 [1 - **1** - **6**].

Newala: 27 December 1959: Ionides, Constantine J.P.: HZM: 3 [3 - **3**] - 30 January 1960: Harrison, David Lakin: ROM: 2 [2 - **2**] - 12 November 1960: Ionides, Constantine J.P.: HZM: 2 [2 - **2**] - 12 December 1960: Ionides, Constantine J.P.: HZM: 1 [1 - **1** - **8**].

Ngambaula Forest Reserve: 21 August 2000: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].

Ngaruka: 18 January 1953: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **1**].

Ngelehek: 5 September 1962: Plisnier, J.: RBINS: 1 [1 - **1** - **1**].
Ngerengere River: 20 August 1890: Pasha, Emin: ZMB: 1 [1 - **1** - **1**].
Ngezi Forest: 3 August 2006: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 4 August 2006: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 5 August 2006: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 9 August 2006: Stanley, William ("Bill") T.: FMNH: 5 [5 - **5**] - 11 August 2006: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **12**].
Ngombeni: Collection Date Unknown: : BMNH: 1 [1 - **1**] - 27 September 1952: ?: Collector Unknown: BRTC: 1 [1]; Swynnerton, G.H.: CAWM: 1 [1 - **2** - **3**].
Ngoroine [=Nguruimi]: Collection Date Unknown: Neumann: ZMB: 2 [2 - **2** - **2**].
Ngorongoro: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1]; Broom: TM: 1 [1 - **2** - **2**].
Nguru Mountains: 19 November 1960: Martin, Peter: LACM: 1 [1 - **1** - **1**].
Nguru North Forest Reserve: 6 August 2000: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].
Nguru South Forest Reserve: 15 August 1997: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 25 August 1997: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **3**].
Ngwazi Estate: 24 March 1987: Lovett, J.C.: SMF: 1 [1 - **1** - **1**].
Niete: 12 November 1939: Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **1** - **1**].
Nilo Forest Reserve: 17 June 2000: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1**] - 3 August 2000: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **2**].
Nkome: 27 April 1970: Jonathan, J.: ROM: 15 [15 - **15**] - 29 May 1970: Jonathan, J.: ROM: 7 [7 - **7** - **22**].
Nkungwe Hill summit, 0.5 km NW: 30 August 2003: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 31 August 2003: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **3**].
no specific locality: Collection Date Unknown: Fülleborn: ZMB: 1 [1]; Stegmann-Stein: ZMB: 2 [2]; Stierling: ZMB: 1 [1 - **4** - **4**].
Noamania: 9 July 1953: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].
Northeastern Tanzania: 31 March 1964: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Northern Matema: 30 December 1996: Singerhoff, E.: SMF: 2 [2 - **2** - **2**].
N-slope Uluguru Mts., Kinole: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Nyambiza Village: 27 August 2007: Stanley, William ("Bill") T.: FMNH: 21 [21 - **21** - **21**].
Nyamboge: 30 May 1970: Jonathan, J.: ROM: 21 [21 - **21** - **21**].
Nyamirembe: 17 April 1956: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **1**].
Nyamuhoro valley: 5 September 1992: Clarke, Ph.; *et al.*: SMF: 1 [1 - **1** - **1**].
Nyanga: 2 October 1926: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Nyegezi: 30 May 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 13 September 1983: Luttik, R.: ZMA: 8 [8 - **8**] - 24 November 1983: Luttik, R.: ZMA: 1 [1 - **1**] - 2 March 1984: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 11 February 1987: Goudswaard, P.C. [Kees]: ZMA: 1 [1 - **1**] - 28 October 1988: Goudswaard, P.C. [Kees]: ZMA: 3 [3 - **3** - **15**].
Nyumbanitu Forest: 4 August 2000: Howell, Kim M.: FMNH: 1 [1 - **1**] - 6 August 2000: Howell, Kim M.: FMNH: 1 [1 - **1**] - 15 August 2000: Howell, Kim M.: FMNH: 1 [1 - **1**] - 17 August 2000: Howell, Kim M.: FMNH: 1 [1 - **1**] - 18 August 2000: Howell, Kim M.: FMNH: 1 [1 - **1**] - 27 August 2000: Howell, Kim M.: FMNH: 3 [3 - **3**] - 16 November 2000: Howell, Kim M.: FMNH: 4 [4 - **4** - **12**].
Nyumbanitu Forest Reserve: 1 January 2003: Howell, Kim M.: FMNH: 4 [4 - **4** - **4**].
Ol Donyo Sambu: 26 July 1956: Kulzer, Edwin: SMF: 7 [7 - **7**] - 28 July 1956: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - 30 June 1973: Clarke, C.H.D.: ROM: 1 [1 - **1**] - 3 July 1973: Clarke, C.H.D.: ROM: 1 [1 - **1**] - 28 July 1973: Clarke, C.H.D.: ROM: 1 [1 - **1**] - 29 July 1973: Clarke, C.H.D.: ROM: 1 [1 - **1** - **16**].
Ole: Collection Date Unknown: Loveridge, Arthur: BMNH: 3 [3 - **3**] - 20 September 1923: Loveridge, Arthur: MCZ: 1 [1 - **1** - **4**].
Oyster Bay: 7 September 1971: Howell, Kim M.: FMNH: 2 [2 - **2**] - 17 September 1971: Howell, Kim M.: FMNH: 1 [1 - **1** - **3**].
Pangani Falls: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Pangani river: Collection Date Unknown: Gerrard: ZMB: 1 [1]; Regner: ZMB: 1 [1]; Schillings: ZMB: 1 [1 - **3** - **3**].
Pange Juu cave: 29 August 2007: Stanley, William ("Bill") T.: FMNH: 5 [5 - **5** - **5**].
Pashuni cave: 24 August 2007: Stanley, William ("Bill") T.: FMNH: 34 [34 - **34** - **34**].
Pemba Island: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Dt. Theater Berlin: ZMB: 1 [1]; Gunning, A.: BMNH: 3 [3]; Voeltzkow, Alfred: ZMB: 6 [6 - **11**] - 17 August 1923: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 17 September 1923: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 23 January 1939: Pakenham, Richard Hercules Wingfield: MCZ: 2 [2 - **2**] - 22 January 1940: Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **1**] - 1 January 1963: ?: Collector Unknown: ROM: 4 [4 - **4**] - 6 August 2006: : FMNH: 1 [1 - **1** - **21**].
Philipstrof: 22 December 1926: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Pugu forest: Collection Date Unknown: Howell, Kim M.; Msuya, C.A.: ZMUC: 10 [10 - **10** - **10**].
Pugu Hills: 10 May 1949: Cade, C.E.: FMNH: 1 [1 - **1**] - 15 September 1995: Stanley, William ("Bill") T.: FMNH: 72 [72 - **72**] - 31 August 1996: Stanley, William ("Bill") T.: FMNH: 86 [86 - **86** - **159**].
Pwani region: Collection Date Unknown: ?: Collector Unknown: SMF: 16 [16 - **16**] - 1 June 1977: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 February 1985: ?: Collector Unknown: SMF: 3 [3 - **3**] - 1 January 1989: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 November 1989: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 November 1989: ?: Collector Unknown: SMF: 2 [2 - **2**] - 26 November 1989: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 November 1989: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 February 1990: ?: Collector Unknown: SMF: 2 [2 - **2**] - 9 February 1990: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 February 1990: ?: Collector Unknown: SMF: 1 [1 - **1**] - 16 February 1990: ?: Collector Unknown: SMF: 1 [1 - **1**] - 4 April 1990: ?: Collector Unknown: SMF: 1 [1 - **1**] - 4 February 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 February 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 26 February 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 March 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 March 1991: ?: Collector Unknown: SMF: 2 [2 - **2**] - 2 August 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 12 August 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 14 August 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 23 November 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 April 2001: ?: Collector Unknown: SMF: 3 [3 - **3**] - 8 April 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 13 April 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 17 April 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 18 May 2001: ?: Collector Unknown: SMF: 1 [1 - **1** - **50**].
Ras Kisimani, near: 17 August 2005: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **1**].
Rohero mine: 22 October 1970: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].
Rohogo mine: 25 October 1970: Hawkins, James D.: ROM: 5 [5 - **5** - **5**].
Rondo Flat [Forest Reserve]: 26 January 1958: Ionides, Constantine J.P.: HZM: 1 [1 - **1**] - 11 February 1959: Ionides, Constantine J.P.: HZM: 2 [2 - **2**] - 3 July 1987: Verheyen, Walter N.; Leirs, Herwig: RMCA: 1 [1 - **1**] - 7 July 1987: Verheyen, Walter N.; Leirs, Herwig: RMCA: 3 [3 - **3** - **7**].

Rondo Forest Reserve: Collection Date Unknown: ?: Collector Unknown: HZM: 2 [2 - **2**] - 7 July 1987: Verheyen, Walter N.; Leirs, Herwig: RMCA: 1 [1 - **1**] - 16 August 1993: ?: Collector Unknown: SMF: 1 [1 - **1** - **4**].
Ruaha National Park: 22 February 1993: Klemens, Michael W.; Moehlman, Patricia D.: AMNH: 1 [1 - **1** - **1**].
Ruanda farm: Collection Date Unknown: Kingdon, Jonathan: HZM: 4 [4 - **4**] - 12 December 1970: Kingdon, Jonathan: HZM: 3 [3 - **3**] - 13 December 1970: Kingdon, Jonathan: HZM: 1 [1 - **1**] - 17 December 1970: Kingdon, Jonathan: HZM: 1 [1 - **1** - **9**].
Ruangwa: 15 July 1987: Verheyen, Walter N.; Leirs, Herwig: RMCA: 1 [1 - **1**] - 17 July 1987: Verheyen, Walter N.; Leirs, Herwig: RMCA: 1 [1 - **1** - **2**].
Rubondo [island]: 26 May 1970: Jonathan, J.: ROM: 2 [2 - **2**] - 27 May 1970: Jonathan, J.: ROM: 2 [2 - **2** - **4**].
Rukwa: 12 July 1949: Bredo, H.J.: RBINS: 1 [1 - **1**] - 11 July 1950: Bredo, H.J.: RBINS: 1 [1 - **1**] - 16 April 1954: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **3**].
Rukwa region: 19 January 1994: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Rungwa: 19 July 1963: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **1**].
Rungwa mountains: 6 March 1930: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 7 March 1930: Loveridge, Arthur: MCZ: 2 [2 - **2** - **3**].
Rungwe District: 2 June 1929: Boulton, Rudyerd; Boulton, Laura: AMNH: 2 [2 - **2**] - 6 June 1929: Boulton, Rudyerd; Boulton, Laura: AMNH: 3 [3 - **3**] - 7 June 1929: Boulton, Rudyerd; Boulton, Laura: AMNH: 2 [2 - **2**] - 11 June 1929: Boulton, Rudyerd; Boulton, Laura: AMNH: 9 [9 - **9**] - 16 June 1929: Boulton, Rudyerd; Boulton, Laura: AMNH: 10 [10 - **10**] - 18 June 1929: Boulton, Rudyerd; Boulton, Laura: AMNH: 22 [22 - **22**] - 20 September 1987: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 5 [5 - **5**] - 21 September 1987: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 2 [2 - **2**] - 22 September 1987: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 2 [2 - **2**] - 23 September 1987: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 4 [4 - **4**] - 24 September 1987: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 3 [3 - **3**] - 25 September 1987: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 3 [3 - **3** - **67**].
Rungwe Mts., Mwatesi Stream: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Rutenganio [Mission]: Collection Date Unknown: Fülleborn: ZMB: 1 [1 - **1** - **1**].
Ruvu South Forest Reserve: 23 February 1991: Howell, Kim M.: FMNH: 1 [1 - **1**] - 19 February 1994: Howell, Kim M.: FMNH: 1 [1 - **1** - **2**].
Ruvuma region: 1 January 1991: ?: Collector Unknown: SMF: 2 [2 - **2** - **2**].
Sagaya: 4 November 1922: Loveridge, Arthur: BMNH: 5 [5 - **5** - **5**].
Sam Deli: 3 July 1957: Andersen: ZFMK: 1 [1 - **1** - **1**].
Same: 10 July 1957: Andersen, Th.: SMNS: 1 [1 - **1** - **1**].
Savanda: 17 December 1929: Loveridge, Arthur: MCZ: 4 [4 - **4** - **4**].
Segoma Forest Reserve: 26 July 1998: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 1 [1 - **1**] - 26 August 1998: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - 5 March 1999: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - 8 March 1999: Frontier Tanzania collection, The; Howell, Kim M.: SMF: 2 [2 - **2** - **5**].
Semdoe Forest Reserve: 13 March 1996: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - 15 February 2001: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - 20 February 2001: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - 13 March 2001: Frontier Tanzania collection, The: SMF: 1 [1 - **1** - **4**].
Sengerema: 25 November 1983: Luttik, R.: ZMA: 3 [3 - **3**] - 26 November 1983: ?: Collector Unknown: ZMA: 1 [1]; Luttik, R.: ZMA: 1 [1 - **2** - **5**].
Serengeti National Park: 1 January 1972: : SMF: 2 [2 - **2** - **2**].
Serengeti Research Institute: 23 December 1974: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].
Seronera: 3 October 1957: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1**] - 23 October 1957: Leech, Robin E.; Ross, Edward S.: CAS: 3 [3 - **3**] - 6 September 1961: Gans, Carl: AMNH: 1 [1 - **1**] - 24 September 1961: Plisnier, J.: RBINS: 1 [1 - **1**] - 12 October 1965: Ingles, Jane M.: BMNH: 1 [1 - **1**] - 21 November 1965: Williams, John George: ROM: 1 [1 - **1** - **8**].
Shakani: Collection Date Unknown: Pakenham, Richard Hercules Wingfield: BMNH: 2 [2 - **2** - **2**].
Shinyanga region: 6 November 1975: Howell, Kim M.: SMF: 1 [1 - **1**] - 7 August 1988: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].
Shume, near: 16 March 1962: Heinrich, Gerd H.: YPM: 1 [1 - **1** - **1**].
Siga caves: 6 June 1939: Loveridge, Arthur: MCZ: 25 [25 - **25**] - 8 June 1939: Loveridge, Arthur: MCZ: 53 [53 - **53**] - 10 June 1939: Loveridge, Arthur: MCZ: 3 [3 - **3**] - 14 June 1939: Loveridge, Arthur: MCZ: 1 [1 - **1** - **82**].
Sigi River: 2 August 1956: Hoogstraal, Harry H.: FMNH: 57 [57 - **57** - **57**].
Simiyu river: 7 July 1952: Williams, J.C.: FMNH: 1 [1 - **1**] - 10 July 1952: Williams, John George: FMNH: 1 [1 - **1** - **2**].
Singida: Collection Date Unknown: Fliegner: ZMB: 2 [2 - **2** - **2**].
Slave Cave: Collection Date Unknown: ?: Collector Unknown: NMP: 2 [2 - **2** - **2**].
Soga: 8 July 1960: Andersen: ZFMK: 2 [2]; Andersen, Th.: ZFMK: 1 [1 - **3**] - 9 July 1960: Andersen, Th.: ZFMK: 1 [1 - **1**] - 10 July 1960: Andersen: ZFMK: 1 [1 - **1**] - 11 July 1960: Andersen: ZFMK: 2 [2 - **2**] - 14 July 1960: Andersen: ZFMK: 1 [1 - **1**] - 16 July 1960: Andersen: ZFMK: 1 [1 - **1**] - 19 July 1960: Andersen: ZFMK: 1 [1 - **1**] - 20 July 1960: Andersen: ZFMK: 1 [1 - **1**] - 26 July 1960: Andersen: ZFMK: 4 [4 - **4**] - 27 July 1960: Andersen: ZFMK: 2 [2 - **2**] - 30 July 1960: Andersen: ZFMK: 1 [1 - **1**] - 1 August 1960: Andersen, Th.: ZFMK: 4 [4 - **4**] - 2 August 1960: Andersen, Th.: ZFMK: 3 [3 - **3**] - 4 August 1960: Andersen, Th.: NMBE: 1 [1 - **1**] - 30 October 1960: Andersen: ZFMK: 3 [3 - **3** - **29**].
Somanga: 24 July 1992: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Songea: 11 September 1950: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].
Songo Songo Island: Collection Date Unknown: Msuya, C.A.: FMNH: 1 [1 - **1** - **1**].
Songomano: 20 January 1954: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **1**].
Songwe Bat Cave: 4 January 1997: Singerhoff, E.: SMF: 1 [1 - **1** - **1**].
Songwe caves: 2 September 2008: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **2**].
Songwe Valley, Tegemo farm: 15 November 1990: Sikombe, S.W.: SMF: 1 [1 - **1** - **1**].
South Pare Mts, Chome Forest Reserve: 22 August 1994: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 25 August 1994: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 26 August 1994: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 27 August 1994: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **5**].
South Province: Collection Date Unknown: Louides, G.J.P.: CAWM: 2 [2 - **2** - **2**].
Southern province: Collection Date Unknown: Ionides, Constantine J.P.: BMNH: 2 [2 - **2**] - 13 July 1953: Ionides, Constantine J.P.: BMNH: 2 [2 - **2** - **4**].
Suma: 19 September 1987: Verheyen, Walter N.; Stuyck, Jan; Colyn, Marc: RMCA: 2 [2 - **2** - **2**].
Suna: 3 October 1922: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].

Tabora: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1]; : LACM: 3 [3]; Diesener: ZMB: 6 [6]; Swaythling, Ld.: BMNH: 1 [1 - **11**] - 9 December 1918: Loveridge, Arthur: BMNH: 1 [1 - **1**] - 9 July 1959: ?: Collector Unknown: HNHM: 1 [1 - **1**] - 6 September 1963: Williams, J.: LACM: 1 [1 - **1** - **14**].

Tambi: 27 December 1959: ?: Collector Unknown: LACM: 1 [1 - **1** - **1**].

Tanangire National Park: 19 March 1995: Mturi, F.A.: AMNH: 1 [1 - **1** - **1**].

Tandamanga: 19 December 1953: Ionides, Constantine J.P.: BMNH: 3 [3 - **3** - **3**].

Tanga: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3]; : LACM: 4 [4]; Bampton, I.: USNM: 3 [3]; Frontier-Project, The: SMF: 1 [1]; Martienssen: ZMB: 15 [15]; Neumann: ZMB: 5 [5]; Sjöstedt, Bror Yngve: ZMB: 1 [1 - **32**] - 20 June 1963: Bampton, I.: ROM: 4 [4]; Mumford, Russell E.: ROM: 1 [1 - **5**] - 28 June 1963: Bampton, I.: ROM: 2 [2 - **2**] - 12 July 1963: Bampton, I.: ROM: 38, USNM: 2 [40]; Mumford, Russell E.: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **42**] - 17 July 1963: Bampton, I.: USNM: 2 [2 - **2**] - 18 July 1963: Bampton, I.: ROM: 9, USNM: 4 [13 - **13**] - 21 July 1963: Bampton, I.: ROM: 9, USNM: 1 [10 - **10**] - 22 July 1963: Bampton, I.: ROM: 2 [2 - **2**] - 27 July 1963: Bampton, I.: ROM: 1 [1 - **1**] - 28 July 1963: Bampton, I.: ROM: 13, USNM: 4 [17]; Hayward, Bruce Joliffe: FMNH: 3 [3]; Mumford, Russell E.: ROM: 1 [1 - **21**] - 31 July 1963: Bampton, I.: USNM: 1 [1 - **1**] - 1 August 1963: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - 4 August 1963: Bampton, I.: ROM: 3 [3 - **3**] - 7 August 1963: Bampton, I.: ROM: 16, USNM: 9 [25 - **25**] - 28 August 1963: Bampton, I.: USNM: 1 [1 - **1**] - 1 September 1963: Bampton, I.: ROM: 1 [1]; Williams, John George: AMNH: 2 [2 - **3**] - 1 November 1963: : LACM: 7 [7 - **7**] - 1 January 1964: Williams, John George: ROM: 4 [4 - **4**] - 1 April 1964: Williams, John George: ROM: 3 [3 - **3**] - 2 April 1964: Williams, A.E.; Williams, John George: ROM: 2 [2 - **2**] - 12 April 1964: Bampton, I.: ROM: 2 [2]; Williams, John George: LACM: 1, ROM: 3 [4 - **6**] - 14 April 1964: Bampton, I.: ROM: 2 [2 - **2**] - 18 April 1964: Bampton, I.: ROM: 1 [1 - **1**] - 20 April 1964: Bampton, I.: ROM: 3 [3 - **3**] - 20 May 1964: Williams, John George: ROM: 1 [1 - **1**] - 1 January 1965: Williams, John George: ROM: 1 [1 - **1**] - 13 November 1991: Howell, Kim M.: SMF: 1 [1 - **1**] - 11 July 1992: Goodman, Steven M.: FMNH: 1 [1 - **1** - **198**].

Tanga region: Collection Date Unknown: ?: Collector Unknown: SMF: 129 [129]; Funnell, E., Frontier-Project, The: SMF: 1 [1 - **130**] - 3 August 1956: ?: Collector Unknown: SMF: 17 [17 - **17**] - 10 October 1963: Williams, J.: LACM: 1 [1 - **1**] - 22 August 1979: ?: Collector Unknown: SMF: 4 [4 - **4**] - 22 January 1981: ?: Collector Unknown: SMF: 1 [1 - **1**] - 26 January 1981: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 February 1981: ?: Collector Unknown: SMF: 1 [1 - **1**] - 23 February 1981: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 March 1986: ?: Collector Unknown: SMF: 5 [5 - **5**] - 22 August 1991: ?: Collector Unknown: SMF: 3 [3 - **3**] - 28 August 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 August 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 September 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 7 September 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 10 September 1991: ?: Collector Unknown: SMF: 2 [2 - **2**] - 26 October 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 October 1991: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 February 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 14 February 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 February 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 February 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 23 February 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 March 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 6 March 1992: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 February 1993: ?: Collector Unknown: SMF: 1 [1 - **1**] - 14 August 1994: ?: Collector Unknown: SMF: 1 [1 - **1**] - 18 August 1994: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 August 1994: ?: Collector Unknown: SMF: 1 [1 - **1**] - 3 February 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 March 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 March 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 March 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 July 1995: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 October 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 24 October 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 5 November 1995: ?: Collector Unknown: SMF: 2 [2 - **2**] - 11 November 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 December 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 4 December 1995: ?: Collector Unknown: SMF: 1 [1 - **1**] - 31 January 1996: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 February 1996: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 February 1996: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 March 1996: ?: Collector Unknown: SMF: 1 [1 - **1**] - 15 March 1996: ?: Collector Unknown: SMF: 1 [1 - **1**] - 2 September 1996: ?: Collector Unknown: SMF: 1 [1 - **1**] - 22 October 1996: ?: Collector Unknown: SMF: 1 [1 - **1**] - 24 October 1996: ?: Collector Unknown: SMF: 5 [5 - **5**] - 20 January 1997: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 February 1997: ?: Collector Unknown: SMF: 1 [1 - **1**] - 27 July 1997: Frontier Tanzania collection, The: SMF: 1 [1 - **1**] - 23 February 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 26 February 1999: ?: Collector Unknown: SMF: 3 [3 - **3**] - 4 March 1999: ?: Collector Unknown: SMF: 2 [2]; Frontier Tanzania collection, The: SMF: 1 [1 - **3**] - 13 August 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 August 1999: ?: Collector Unknown: SMF: 2 [2 - **2**] - 4 November 1999: ?: Collector Unknown: SMF: 1 [1 - **1**] - 9 February 2000: Frontier Tanzania collection, The: SMF: 6 [6 - **6**] - 10 February 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 June 2000: ?: Collector Unknown: SMF: 6 [6 - **6**] - 8 July 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 11 July 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 July 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 26 July 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 2 August 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 3 August 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 27 September 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 9 October 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 14 October 2000: ?: Collector Unknown: SMF: 2 [2 - **2**] - 9 November 2000: ?: Collector Unknown: SMF: 1 [1 - **1**] - 10 November 2000: ?: Collector Unknown: SMF: 3 [3 - **3**] - 18 January 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 19 January 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 23 January 2001: ?: Collector Unknown: SMF: 3 [3 - **3**] - 26 January 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 28 January 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 2 February 2001: ?: Collector Unknown: SMF: 4 [4 - **4**] - 7 February 2001: ?: Collector Unknown: SMF: 5 [5 - **5**] - 10 February 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 12 February 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 15 February 2001: ?: Collector Unknown: SMF: 5 [5 - **5**] - 16 February 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 18 February 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 19 February 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 20 February 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 22 February 2001: ?: Collector Unknown: SMF: 4 [4 - **4**] - 26 February 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 2 March 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 22 July 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 24 July 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 26 July 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 13 October 2001: ?: Collector Unknown: SMF: 4 [4 - **4**] - 20 October 2001: ?: Collector Unknown: SMF: 5 [5 - **5**] - 11 November 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 13 November 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 16 November 2001: ?: Collector Unknown: SMF: 3 [3 - **3**] - 29 November 2001: ?: Collector Unknown: SMF: 5 [5 - **5** - **326**].

Tanga, Grotte de Kulumuzi: Collection Date Unknown: Alluaud, Ch.: MNHN: 5 [5 - **5** - **5**].

Tanga, hole/cave near: Collection Date Unknown: Neumann: ZMB: 5 [5 - **5** - **5**].

Tanga, near: 8 June 1939: Loveridge, Arthur: MCZ: 13 [13 - **13**] - 9 June 1939: Loveridge, Arthur: MCZ: 1 [1 - **1** - **14**].

Tanganyika: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Tanganyika, lake: Collection Date Unknown: Grauer, Rudolf: ZMB: 2 [2]; Stegmann-Stein: ZMB: 6 [6 - **8** - **8**].

Tanzania: Collection Date Unknown: Percival, Arthur Blayney: BMNH: 1 [1 - **1**] - 5 April 1909: Horn, A.: NMW: 1 [1 - **1**] - 14 February 1966: ?: Collector Unknown: SMF: 1 [1 - **1** - **3**].

Tarangire National Park: 19 July 1996: Stanley, William ("Bill") T.: FMNH: 10 [10 - **10**] - 4 July 2005: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 6 July 2005: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **12**].
Tatanda: 18 March 1982: Moyer, D.C.: SMF: 3 [3 - **3** - **3**].
Tendaguro: Collection Date Unknown: British Museum East Africa Expedition, the: BMNH: 2 [2 - **2** - **2**].
Tendaguru [=Tendaguro]: Collection Date Unknown: Janesch: ZMB: 1 [1]; Reck: ZMB: 1 [1 - **2** - **2**].
Tendoguru: Collection Date Unknown: Reck: ZMB: 2 [2 - **2** - **2**].
Tengeru: Collection Date Unknown: Hoogstraal, Harry H.: FMNH: 5 [5 - **5**] - 20 July 1953: Swynnerton, G.H.: AMNH: 1 [1 - **1**] - 7 January 1955: : SMF: 2 [2 - **2**] - 23 July 1956: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 26 July 1956: Hoogstraal, Harry H.: FMNH: 1 [1 - **1**] - 27 July 1956: Hoogstraal, Harry H.: FMNH: 34 [34 - **34**] - 28 July 1956: Hoogstraal, Harry H.: FMNH: 2 [2 - **2** - **46**].
Tenguru: 18 April 1952: Brooks, A.C.: BMNH: 3 [3 - **3**] - 23 March 1953: Swynnerton, G.H.: BMNH: 1 [1 - **1**] - 10 April 1953: Brooks, A.C.: BMNH: 1 [1 - **1**] - 20 June 1953: Brooks, A.C.: BMNH: 2 [2 - **2** - **7**].
Tindiga: 24 January 1922: Loveridge, Arthur: BMNH: 1 [1 - **1** - **1**].
Tong'amba forest reserve: 22 October 1992: Howell, Kim M.: SMF: 1 [1 - **1** - **1**].
Tong'omba Forest Reserve: 1 August 1992: Howell, Kim M.: FMNH: 1 [1 - **1**] - 7 August 1992: Howell, Kim M.: FMNH: 1 [1 - **1**] - 8 August 1992: Howell, Kim M.: FMNH: 1 [1 - **1**] - 12 August 1992: Howell, Kim M.: FMNH: 1 [1 - **1**] - 15 August 1992: Stubblefield, L.; Frontier-Project, the: SMF: 1 [1 - **1**] - 30 August 1992: Howell, Kim M.: FMNH: 1 [1 - **1**] - 14 June 1995: Howell, Kim M.: FMNH: 3 [3 - **3** - **9**].
Tongwe Forest Reserve: 27 January 1992: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Trina: 2 November 1952: Swynnerton, G.H.: AMNH: 1 [1 - **1** - **1**].
Tumbatu Island: Collection Date Unknown: Dt. Theater Berlin: ZMB: 1 [1]; Hoffmann: ZMB: 1 [1 - **2** - **2**].
Tundau: 27 July 1913: : BMNH: 1 [1 - **1** - **1**].
Turiani: 25 November 1950: Cade, C.E.: FMNH: 3 [3 - **3** - **3**].
Udzungwa mountains: 1 January 2000: Howell, Kim M.: FMNH: 1 [1 - **1** - **1**].
Udzungwa Mts, Udzungwa Scarp Forest Reserve, Kihanga: 12 July 1998: Moyer, D.C.: FMNH: 1 [1 - **1** - **1**].
Udzungwa Mts, West Kilombero Scarp Forest Reserve, Ndundulu Forest: 22 July 2000: Howell, Kim M.: FMNH: 1 [1 - **1**] - 4 August 2000: Frontier Tanzania collection, The; Howell, Kim M.: FMNH: 1 [1 - **1**] - 26 July 2003: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **3**].
Udzungwa National Park: 28 June 1995: Moehlman, Patricia D.: FMNH: 4 [4 - **4**] - 29 June 1995: Moehlman, Patricia D.: FMNH: 1 [1 - **1**] - 1 July 1995: Moehlman, Patricia D.: FMNH: 3 [3 - **3** - **8**].
Ugala River: Collection Date Unknown: Williams, J.: MNHN: 4 [4 - **4** - **4**].
Ugano: 1 January 1935: Zerny, Hans: NMW: 1 [1 - **1**] - 24 June 1938: : NMW: 1 [1 - **1** - **2**].
Ugano Plantation: Collection Date Unknown: ?: Collector Unknown: NMW: 1 [1 - **1**] - 1 January 1936: Zerny, Hans: NMW: 1 [1 - **1**] - 24 June 1938: Zimmer, John Todd: NMW: 1 [1 - **1** - **3**].
Uhafiwa Luhega Forest: 27 July 1989: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Ujiji: Collection Date Unknown: Hösemann: ZMB: 5 [5 - **5**] - 23 May 1930: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 24 May 1930: Loveridge, Arthur: FMNH: 1, MCZ: 12 [13 - **13**] - 26 May 1930: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 27 May 1930: Loveridge, Arthur: MCZ: 2 [2 - **2** - **23**].
Ukambesi: Collection Date Unknown: Hildebrandt, Johann Maria: ZMB: 1 [1 - **1** - **1**].
Ukami Forest: 27 November 2000: Howell, Kim M.: FMNH: 2 [2 - **2** - **2**].
Ukami Forest Reserve: 1 January 2003: Howell, Kim M.: FMNH: 5 [5 - **5**] - 1 February 2003: Howell, Kim M.: FMNH: 9 [9 - **9**] - 1 March 2003: Howell, Kim M.: FMNH: 2 [2 - **2** - **16**].
Ukara island: Collection Date Unknown: Smith, Andrew: BMNH: 1 [1 - **1**] - 3 January 1953: Smith, 1: BMNH: 1 [1 - **1**] - 1 March 1953: Smith, 1: BMNH: 1 [1 - **1** - **3**].
Ukerewe island: 10 June 1930: Loveridge, Arthur: MCZ: 20 [20 - **20**] - 14 June 1930: Loveridge, Arthur: MCZ: 6 [6 - **6**] - 18 June 1930: Loveridge, Arthur: MCZ: 3 [3 - **3** - **29**].
Ulanga: 18 October 1926: Zimmer, John Todd: FMNH: 1 [1 - **1** - **1**].
Uluguru mountains: 1 March 1921: Loveridge, Arthur: MCZ: 13 [13 - **13**] - 15 December 1961: Heinrich, Gerd H.: YPM: 1 [1 - **1**] - 17 September 1983: Telford, Steve: RMCA: 1 [1 - **1**] - 17 September 1985: Telford, Steve: RMCA: 1 [1 - **1** - **16**].
Uluguru Mts, Uluguru North Forest Reserve: 29 July 1996: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 3 August 1996: Stanley, William ("Bill") T.: FMNH: 5 [5 - **5**] - 4 August 1996: Stanley, William ("Bill") T.: FMNH: 4 [4 - **4** - **10**].
Unknown locality: 17 January 1962: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
unspecified locality: 6 September 1963: Williams, J.: LACM: 1 [1 - **1** - **1**].
Unyanganyi: 7 December 1929: Loveridge, Arthur: FMNH: 2, MCZ: 28 [30 - **30** - **30**].
Unyang'anyi: 7 December 1929: Loveridge, Arthur: MCZ: 4 [4 - **4** - **4**].
Urambo: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3]; Lamont, R.A.: BMNH: 5 [5 - **8** - **8**].
Usa: 28 June 1962: Von Nagy: ZFMK: 1 [1 - **1** - **1**].
Usa River: Collection Date Unknown: Muray, R.: HNHM: 1 [1 - **1**] - 10 March 1972: Eory, M.: HNHM: 1 [1 - **1**] - 10 March 1977: Eory, M.: HNHM: 1 [1 - **1**] - 15 March 1977: Eory, M.: HNHM: 1 [1 - **1** - **4**].
Usambara [mountains]: Collection Date Unknown: Grauer, Rudolf: ZMB: 3 [3 - **3** - **3**].
Usambara mountains: Collection Date Unknown: ?: Collector Unknown: MNHN: 26 [26]; Gierra, A.: MNHN: 5 [5 - **31**] - 11 March 1905: ?: Collector Unknown: MNHN: 2 [2 - **2** - **33**].
Usandawe [=Sandawe]: Collection Date Unknown: Neumann: ZMB: 2 [2 - **2** - **2**].
Usangi: 27 May 1952: Zink, G.: SMNS: 2 [2 - **2**] - 28 May 1952: Zink, G.: SMNS: 1 [1 - **1**] - 30 May 1952: Zink, G.: SMNS: 1 [1 - **1** - **4**].
Ushindo: 19 January 1894: Stuhlmann, Franz Ludwig: ZMB: 1 [1 - **1** - **1**].
Ussagara [=Usagara]: Collection Date Unknown: Houy; Meyer: ZMB: 2 [2 - **2** - **2**].
Ussuwi: Collection Date Unknown: : ZMB: 6 [6 - **6** - **6**].
Utende: 5 August 2005: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 16 August 2005: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 17 August 2005: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1** - **3**].
Utengule: Collection Date Unknown: Jörgens: ZMB: 2 [2 - **2** - **2**].
Utete: Collection Date Unknown: Lademann: ZMB: 2 [2 - **2**] - 1 February 2000: Howell, Kim M.: FMNH: 1 [1 - **1**] - 7 June 2000: Howell, Kim M.: FMNH: 1 [1 - **1** - **4**].
Uto farm: Collection Date Unknown: ?: Collector Unknown: ZMZ: 1 [1 - **1**] - 20 March 1964: Ebeling: ZMZ: 1 [1 - **1**] - 2 April 1964: Ebeling: ZMZ: 1 [1 - **1**] - 15 May 1964: ?: Collector Unknown: ZMZ: 1 [1 - **1**] - 31 May 1964: ?: Collector Unknown: ZMZ: 2 [2]; Ebeling: ZMZ: 1 [1 - **3**] - 6 June 1964: ?: Collector Unknown: ZMZ: 1 [1 - **1** - **8**].

Victoria, lake: Collection Date Unknown: Lavrenchenko, Leonid A.: ZMMU: 1 [1 - **1** - **1**].
Vikindo [forest]: Collection Date Unknown: Stuhlmann, Franz Ludwig: ZMB: 8 [8 - **8**] - 11 January 1894: Stuhlmann, Franz Ludwig: ZMB: 1 [1 - **1** - **9**].
Wembere river: Collection Date Unknown: ?: Collector Unknown: ZMB: 2 [2 - **2** - **2**].
Weru Weru river: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : BMNH: 2 [2 - **3** - **3**].
Wetu: 24 October 1939: Pakenham, Richard Hercules Wingfield: MCZ: 1 [1 - **1** - **1**].
Wiru: 29 November 1983: Luttik, R.: ZMA: 2 [2 - **2** - **2**].
Zanguébar: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Zanzibar: Collection Date Unknown: ?: Collector Unknown: BMNH: 2, MNHN: 31, SMF: 1, ZMB: 5 [39]; Alexandre: MNHN: 2 [2]; Anatomische Sammlung, Die: ZMB: 1 [1]; Cooke, Caleb: MCZ: 10 [10]; De Ville: RBINS: 2 [2]; Dobson, George Edward: USNM: 1 [1]; Fischer: ZMB: 1 [1]; Gerrard: ZMB: 1 [1]; Hildebrandt, Johann Maria: ZMB: 1 [1]; Neumann: ZMB: 3 [3]; Pike, A.: MCZ: 1 [1]; Robb, A.: BMNH: 4 [4]; Salmin: USNM: 1, ZMB: 1 [2]; Stuhlmann, Franz Ludwig: ZMB: 2 [2]; von der Decken, Karl Klaus: ZMB: 7 [7]; Werther: ZMB: 1 [1]; Wessel: ZMB: 1 [1 - **79**] - 1 January 1862: Cooke, Caleb: MCZ: 2 [2 - **2**] - 1 January 1864: Grandidier, Guillaume: MNHN: 1 [1 - **1**] - 24 June 1881: De Ville: RBINS: 2 [2 - **2**] - 9 December 1882: de Ville: RBINS: 1 [1 - **1**] - 1 November 1911: ?: Collector Unknown: USNM: 10 [10 - **10**] - 8 June 1922: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 17 August 1923: Loveridge, Arthur: MCZ: 2 [2 - **2**] - 7 April 1944: Pakenham, Richard Hercules Wingfield: BMNH: 1 [1 - **1**] - 1 January 1963: ?: Collector Unknown: ROM: 1 [1 - **1**] - 23 August 2007: : FMNH: 8 [8 - **8** - **108**].
Zanzibar Town: 23 February 1971: Glen, Robert M.: ROM: 4 [4 - **4** - **4**].
Zanzibar Town, 36 mi [= 58 km] S: 23 February 1971: Glen, Robert M.: ROM: 30 [30 - **30** - **30**].
Zanzibar, W coast: Collection Date Unknown: Cooke, Caleb: MCZ: 6 [6 - **6** - **6**].
Zaraninge-Kiano forest reserve: 9 August 1991: Cockle, Anya: SMF: 1 [1 - **1**] - 12 August 1991: Cockle, Anya: SMF: 1 [1 - **1** - **2**].
Zinga: 9 July 1953: Ionides, Constantine J.P.: BMNH: 1 [1 - **1**] - 13 July 1953: Ionides, Constantine J.P.: BMNH: 1 [1 - **1** - **2**].

Total Specimens for Tanzania: 6358

The Gambia

Unknown locality: Collection Date Unknown: BMNH: 51, SMF: 1 [52]; : BMNH: 2 [2]; Dalton: USNM: 1 [1]; Derby, Edward Smith Stanley: BMNH: 1 [1]; Gerrard: BMNH: 1 [1]; Rendall, Percy: BMNH: 1 [1]; Schmidt, A.: BMNH: 1 [1]; Tomes Collection, The: BMNH: 1 [1 - **60**] - 1 January 1840: Steinmann: SMNS: 1 [1 - **1**] - 1 January 1856: Tomes Collection, The: BMNH: 1 [1 - **1**] - 25 March 1905: Wolbach, Simeon Burt: MCZ: 1 [1 - **1**] - 15 October 1999: : SMF: 3 [3 - **3**] - 31 October 1999: : SMF: 2 [2 - **2**] - 12 May 2000: ?: Collector Unknown: SMF: 1 [1]; : SMF: 6 [6 - **7**] - 14 May 2000: : SMF: 2 [2 - **2**] - 7 June 2000: : SMF: 2 [2 - **2**] - 1 January 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 May 2001: ?: Collector Unknown: SMF: 3 [3 - **3**] - 25 May 2001: ?: Collector Unknown: SMF: 3 [3 - **3**] - 26 May 2001: ?: Collector Unknown: SMF: 10 [10 - **10** - **96**].
Abuko Nature Reserve: Collection Date Unknown: : SMF: 4 [4 - **4**] - 16 April 2000: : SMF: 1 [1 - **1**] - 20 May 2000: : SMF: 8 [8 - **8**] - 7 June 2000: : SMF: 3 [3 - **3**] - 14 November 2000: : SMF: 1 [1 - **1** - **17**].
Banjul: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : SMF: 1 [1]; Rendall, Percy: BMNH: 1 [1 - **3**] - 2 May 1984: Williams: HZM: 1 [1 - **1**] - 6 June 1999: : SMF: 1 [1 - **1** - **5**].
Banjul, 8 mi [=13 km] W: 12 January 1966: Davis, R.M.: USNM: 1 [1 - **1**] - 13 January 1966: Davis, R.M.: USNM: 6 [6 - **6** - **7**].
Basse: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Bathurst: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Bathurst [=Banjul]: Collection Date Unknown: Rendall, Percy: BMNH: 3 [3 - **3**] - 13 January 1966: Davis, R.M.: USNM: 2 [2 - **2** - **5**].
Bathurst, 8 mi [= 13 km] W: 13 January 1966: Davis, R.M.: USNM: 4 [4 - **4** - **4**].
Bathurst, 8 mi W: Collection Date Unknown: : USNM: 1 [1 - **1** - **1**].
Brikama Bar: 26 July 1977: Brownlow, I.P.: HZM: 2 [2 - **2** - **2**].
Central River division: 22 January 2001: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Gambia river, lower: Collection Date Unknown: Buxton, A.P.; Oxford University Expedition, The: BMNH: 1 [1 - **1**] - 4 April 1839: Rendall, Percy: BMNH: 2 [2 - **2** - **3**].
Janjanbureh: 20 April 1995: : SMF: 1 [1 - **1** - **1**].
Jappeni, near: 2 May 2000: : SMF: 1 [1 - **1** - **1**].
Jiboroh Kuta: 31 October 1999: : SMF: 1 [1 - **1** - **1**].
Jiroff, near: 8 September 2000: : SMF: 1 [1 - **1** - **1**].
Keneba: 13 July 1977: Brownlow, I.P.: HZM: 1 [1 - **1** - **1**].
Kontaur: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Buxton, A.P.; Oxford University Expedition, The: BMNH: 1 [1 - **2** - **2**].
Kudang: 15 February 1966: Davis, R.M.: USNM: 9 [9 - **9**] - 16 February 1966: Davis, R.M.: USNM: 16 [16 - **16**] - 19 February 1966: Davis, R.M.: USNM: 6 [6 - **6**] - 21 February 1966: Davis, R.M.: USNM: 2 [2 - **2** - **33**].
Kuntaur, 10 mi [=16 km]SE: 24 August 1948: Buxton, A.P.; Oxford University Expedition, The: BMNH: 1 [1 - **1** - **1**].
Kuntaur, 10 mi [16 km] SE: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Kuntaur, 5 mi N: Collection Date Unknown: Buxton, A.P.; Oxford University Expedition, The: BMNH: 2 [2 - **2** - **2**].
Lamin: Collection Date Unknown: : SMF: 1 [1 - **1** - **1**].
Lamin Bridge: 15 May 1999: : SMF: 3 [3 - **3**] - 15 September 1999: : SMF: 1 [1 - **1** - **4**].
Madianna: 20 June 1999: : SMF: 1 [1 - **1** - **1**].
Madiyana Camp: 29 January 2000: : SMF: 5 [5 - **5**] - 4 February 2000: : SMF: 1 [1 - **1** - **6**].
Maka: 10 April 1911: Wolbach, Simeon Burt: MCZ: 1 [1 - **1** - **1**].
Makka: Collection Date Unknown: Buxton, A.P.; Oxford University Expedition, The: BMNH: 1 [1 - **1**] - 31 July 1948: Buxton, A.P.; Oxford University Expedition, The: BMNH: 1 [1 - **1** - **2**].
Solifor Point, 500 m S: 12 May 2000: : SMF: 1 [1 - **1**] - 14 May 2000: : SMF: 1 [1 - **1** - **2**].
Tanji and Brufut, between: 16 September 2000: : SMF: 1 [1 - **1** - **1**].
Tanji River Bird Reserve: 13 September 1999: : SMF: 2 [2 - **2** - **2**].

Toniataba: Collection Date Unknown: Davis, R.M.: USNM: 1 [1 - **1**] - 7 June 1966: Davis, R.M.: USNM: 6 [6 - **6**] - 8 June 1966: Davis, R.M.: USNM: 1 [1 - **1**] - 9 June 1966: Davis, R.M.: USNM: 2 [2 - **2**] - 10 June 1966: Davis, R.M.: USNM: 19 [19 - **19**] - 12 June 1966: Davis, R.M.: USNM: 1 [1 - **1**] - 13 June 1966: Davis, R.M.: USNM: 10 [10 - **10**] - 14 June 1966: Davis, R.M.: USNM: 27 [27 - **27** - **67**].
Walikunda: 25 July 1977: Brownlow, I.P.: HZM: 3 [3 - **3**] - 26 July 1977: Brownlow, I.P.: HZM: 13 [13 - **13**] - 11 August 1977: Brownlow, I.P.: HZM: 1 [1 - **1** - **17**].
Walli Kunda, near: 14 May 1984: Williams, John George: HZM: 2 [2 - **2** - **2**].
Western division: 17 May 2001: ?: Collector Unknown: SMF: 1 [1 - **1**] - 20 May 2001: ?: Collector Unknown: SMF: 2 [2 - **2**] - 21 May 2001: ?: Collector Unknown: SMF: 1 [1 - **1** - **4**].

Total Specimens for The Gambia: 297

Togo

Unknown locality: Collection Date Unknown: RMCA: 358 [358 - **358**] - 4 December 1968: Veronese, C.: RMCA: 1 [1 - **1** - **359**].
Adina: 17 November 1968: Veronese, C.: RMCA: 16 [16 - **16**] - 18 November 1968: Veronese, C.: RMCA: 9 [9 - **9**] - 19 November 1968: Veronese, C.: RMCA: 11 [11 - **11**] - 20 November 1968: Veronese, C.: RMCA: 2 [2 - **2**] - 21 November 1968: Veronese, C.: RMCA: 7 [7 - **7**] - 22 November 1968: Veronese, C.: RMCA: 6 [6 - **6**] - 23 November 1968: Veronese, C.: RMCA: 13 [13 - **13**] - 24 November 1968: Veronese, C.: RMCA: 25 [25 - **25**] - 25 November 1968: Veronese, C.: RMCA: 8 [8 - **8**] - 26 November 1968: Veronese, C.: RMCA: 15 [15 - **15**] - 27 November 1968: Veronese, C.: RMCA: 3 [3 - **3**] - 20 December 1968: Veronese, C.: RMCA: 6 [6 - **6**] - 21 December 1968: Veronese, C.: RMCA: 4 [4 - **4**] - 22 December 1968: Veronese, C.: RMCA: 7 [7 - **7**] - 23 December 1968: Veronese, C.: RMCA: 2 [2 - **2** - **134**].
Adjido: 22 September 1968: Veronese, C.: RMCA: 28 [28 - **28**] - 23 September 1968: Veronese, C.: RMCA: 20 [20 - **20**] - 24 September 1968: Veronese, C.: RMCA: 5 [5 - **5** - **53**].
Agadji: 28 September 1969: Matthias: RMCA: 4 [4 - **4**] - 29 September 1969: Matthias: RMCA: 4 [4 - **4**] - 30 September 1969: Matthias: RMCA: 6 [6 - **6**] - 1 October 1969: Matthias: RMCA: 18 [18 - **18**] - 2 October 1969: Matthias: RMCA: 9 [9 - **9**] - 3 October 1969: Matthias: RMCA: 7 [7 - **7**] - 4 October 1969: Matthias: RMCA: 9 [9 - **9**] - 5 October 1969: Matthias: RMCA: 2 [2 - **2** - **59**].
Agou: 7 July 1968: Robbins, C. Brian: USNM: 1 [1 - **1**] - 8 July 1968: LeDuc, James W.: USNM: 1 [1 - **1**] - 11 July 1968: LeDuc, James W.: USNM: 19 [19]; Robbins, C. Brian: USNM: 18 [18 - **37**] - 1 January 1970: Stoffels: RMCA: 6 [6 - **6** - **45**].
Akposso: 26 October 1968: Veronese, C.: RMCA: 13 [13 - **13**] - 27 October 1968: Veronese, C.: RMCA: 12 [12 - **12**] - 28 October 1968: Veronese, C.: RMCA: 16 [16 - **16**] - 29 October 1968: Veronese, C.: RMCA: 33 [33 - **33** - **74**].
Aledjo: Collection Date Unknown: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 1 [1 - **1**] - 24 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 25 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 11 [11 - **11**] - 26 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 43 [43 - **43**] - 27 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 28 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 16 [16 - **16**] - 29 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6**] - 30 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 9 [9 - **9**] - 31 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - 1 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 18 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 11 [11 - **11**] - 19 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 26 [26 - **26**] - 20 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 10 [10 - **10**] - 21 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 12 [12 - **12**] - 3 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 18 [18 - **18**] - 29 November 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 2 [2 - **2**] - 30 November 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 67 [67 - **67**] - 1 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 17 [17 - **17**] - 2 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 5 [5 - **5**] - 4 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 3 [3 - **3**] - 5 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1** - **271**].
Amoussokopé: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Aného: Collection Date Unknown: Keilhack, L.: ZMB: 1 [1 - **1** - **1**].
Apéyémé: 21 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 2 [2 - **2**] - 23 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1** - **3**].
Atakpamé: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3]; Schmidt: ZMB: 1 [1]; Veronese, C.: RMCA: 38 [38 - **42**] - 11 March 1961: Veronese, C.: RMCA: 16 [16 - **16**] - 12 March 1961: Veronese, C.: RMCA: 22 [22 - **22**] - 13 March 1961: Veronese, C.: RMCA: 24 [24 - **24**] - 14 March 1961: Veronese, C.: RMCA: 22 [22 - **22**] - 15 March 1961: Veronese, C.: RMCA: 26 [26 - **26**] - 16 March 1961: Veronese, C.: RMCA: 8 [8 - **8**] - 14 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 28 [28 - **28**] - 15 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 20 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 7 September 1968: Veronese, C.: RMCA: 8 [8 - **8**] - 8 September 1968: Veronese, C.: RMCA: 4 [4 - **4**] - 9 September 1968: Veronese, C.: RMCA: 10 [10 - **10**] - 10 September 1968: Veronese, C.: RMCA: 6 [6 - **6**] - 11 September 1968: Veronese, C.: RMCA: 2 [2 - **2**] - 12 September 1968: Veronese, C.: RMCA: 7 [7 - **7**] - 13 September 1968: Veronese, C.: RMCA: 3 [3 - **3**] - 14 September 1968: Veronese, C.: RMCA: 2 [2 - **2**] - 17 September 1968: Veronese, C.: RMCA: 5 [5 - **5**] - 18 September 1968: Veronese, C.: RMCA: 5 [5 - **5**] - 19 September 1968: Veronese, C.: RMCA: 3 [3 - **3**] - 20 September 1968: Veronese, C.: RMCA: 2 [2 - **2**] - 23 September 1968: Veronese, C.: RMCA: 3 [3 - **3**] - 24 September 1968: Veronese, C.: RMCA: 5 [5 - **5**] - 25 September 1968: Veronese, C.: RMCA: 2 [2 - **2**] - 28 September 1968: Veronese, C.: RMCA: 4 [4 - **4**] - 1 October 1968: Veronese, C.: RMCA: 3 [3 - **3**] - 2 October 1968: Veronese, C.: RMCA: 1 [1 - **1**] - 4 October 1968: Veronese, C.: RMCA: 2 [2 - **2**] - 12 October 1968: Veronese, C.: RMCA: 5 [5 - **5**] - 15 October 1968: Veronese, C.: RMCA: 22 [22 - **22**] - 16 October 1968: Veronese, C.: RMCA: 18 [18 - **18**] - 24 October 1968: Veronese, C.: RMCA: 4 [4 - **4**] - 5 November 1968: Veronese, C.: RMCA: 59 [59 - **59**] - 11 November 1968: Veronese, C.: RMCA: 2 [2 - **2**] - 12 November 1968: Veronese, C.: RMCA: 8 [8 - **8**] - 4 January 1969: Veronese, C.: RMCA: 24 [24 - **24**] - 1 February 1969: Veronese, C.: RMCA: 10 [10 - **10**] - 11 March 1969: Veronese, C.: RMCA: 64 [64 - **64** - **483**].
Azafi: 3 November 1969: Matthias: RMCA: 10 [10 - **10**] - 4 November 1969: Matthias: RMCA: 3 [3 - **3**] - 5 November 1969: Matthias: RMCA: 7 [7 - **7** - **20**].
Badou - Anonoe: Collection Date Unknown: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 16 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 21 [21 - **21**] - 17 July 1968: Verheyen, Walter N.;

De Roo, Antoon Emeric Marcel: RMCA: 40 [40 - **40**] - 18 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 17 [17 - **17**] - 19 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 27 [27 - **27**] - 20 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 9 [9 - **9** - **115**].

Baoulé: 22 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Binaparba: 29 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 8 [8 - **8**] - 30 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6** - **14**].

Bismarckburg [=Adéle]: Collection Date Unknown: Büttner: ZMB: 6 [6]; Conradt: ZMB: 2 [2 - **8** - **8**].

Borgou: Collection Date Unknown: De Vree, Frits: RMCA: 1 [1 - **1**] - 23 July 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1**] - 30 July 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1**] - 8 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 58 [58 - **58**] - 10 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 38 [38 - **38**] - 11 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 14 [14 - **14**] - 12 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 7 [7 - **7** - **120**].

Dapango: 9 May 1968: LeDuc, James W.: USNM: 13 [13]; Robbins, C. Brian: USNM: 15 [15 - **28**] - 10 May 1968: LeDuc, James W.: USNM: 6 [6]; Robbins, C. Brian: USNM: 13 [13 - **19**] - 11 May 1968: LeDuc, James W.: USNM: 10 [10]; Robbins, C. Brian: USNM: 7 [7 - **17**] - 12 May 1968: LeDuc, James W.: USNM: 1 [1 - **1**] - 17 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 30 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 13 [13 - **13** - **79**].

Dédomé: 5 October 1969: Matthias: RMCA: 7 [7 - **7**] - 6 October 1969: Matthias: RMCA: 5 [5 - **5**] - 7 October 1969: Matthias: RMCA: 5 [5 - **5**] - 9 October 1969: Matthias: RMCA: 2 [2 - **2**] - 10 October 1969: Matthias: RMCA: 1 [1 - **1**] - 15 October 1969: Matthias: RMCA: 7 [7 - **7**] - 16 October 1969: Matthias: RMCA: 10 [10 - **10**] - 17 October 1969: Matthias: RMCA: 1 [1 - **1** - **38**].

Dzogbégan: 21 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 11 [11 - **11**] - 22 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 5 [5 - **5**] - 23 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 2 [2 - **2** - **18**].

Ebéva: 5 October 1968: Veronese, C.: RMCA: 14 [14 - **14**] - 7 October 1968: Veronese, C.: RMCA: 2 [2 - **2**] - 8 October 1968: Veronese, C.: RMCA: 1 [1 - **1**] - 9 October 1968: Veronese, C.: RMCA: 3 [3 - **3**] - 5 November 1969: Matthias: RMCA: 3 [3 - **3**] - 6 November 1969: Matthias: RMCA: 8 [8 - **8**] - 7 November 1969: Matthias: RMCA: 6 [6 - **6**] - 8 November 1969: Matthias: RMCA: 8 [8 - **8**] - 9 November 1969: Matthias: RMCA: 8 [8 - **8**] - 10 November 1969: Matthias: RMCA: 5 [5 - **5**] - 11 November 1969: Matthias: RMCA: 12 [12 - **12**] - 12 November 1969: Matthias: RMCA: 14 [14 - **14**] - 13 November 1969: Matthias: RMCA: 10 [10 - **10**] - 14 November 1969: Matthias: RMCA: 10 [10 - **10**] - 15 November 1969: Matthias: RMCA: 17 [17 - **17**] - 16 November 1969: Matthias: RMCA: 18 [18 - **18**] - 17 November 1969: Matthias: RMCA: 12 [12 - **12**] - 18 November 1969: Matthias: RMCA: 17 [17 - **17**] - 19 November 1969: Matthias: RMCA: 8 [8 - **8**] - 20 November 1969: Matthias: RMCA: 10 [10 - **10**] - 21 November 1969: Matthias: RMCA: 4 [4 - **4**] - 22 November 1969: Matthias: RMCA: 4 [4 - **4**] - 23 November 1969: Matthias: RMCA: 3 [3 - **3**] - 24 November 1969: Matthias: RMCA: 3 [3 - **3**] - 25 November 1969: Matthias: RMCA: 11 [11 - **11**] - 26 November 1969: Matthias: RMCA: 18 [18 - **18**] - 27 November 1969: Matthias: RMCA: 14 [14 - **14**] - 28 November 1969: Matthias: RMCA: 15 [15 - **15**] - 29 November 1969: Matthias: RMCA: 2 [2 - **2**] - 30 November 1969: Matthias: RMCA: 12 [12 - **12** - **272**].

Edifou: 5 December 1968: Veronese, C.: RMCA: 8 [8 - **8**] - 6 December 1968: Veronese, C.: RMCA: 25 [25 - **25**] - 7 December 1968: Veronese, C.: RMCA: 15 [15 - **15**] - 8 December 1968: Veronese, C.: RMCA: 18 [18 - **18**] - 9 December 1968: Veronese, C.: RMCA: 18 [18 - **18**] - 10 December 1968: Veronese, C.: RMCA: 14 [14 - **14**] - 11 December 1968: Veronese, C.: RMCA: 13 [13 - **13**] - 12 December 1968: Veronese, C.: RMCA: 22 [22 - **22**] - 13 December 1968: Veronese, C.: RMCA: 10 [10 - **10**] - 14 December 1968: Veronese, C.: RMCA: 15 [15 - **15**] - 15 December 1968: Veronese, C.: RMCA: 7 [7 - **7**] - 16 December 1968: Veronese, C.: RMCA: 8 [8 - **8**] - 17 December 1968: Veronese, C.: RMCA: 12 [12 - **12**] - 18 December 1968: Veronese, C.: RMCA: 11 [11 - **11**] - 19 December 1968: Veronese, C.: RMCA: 11 [11 - **11** - **207**].

Evou: 1 October 1968: Veronese, C.: RMCA: 14 [14 - **14**] - 2 October 1968: Veronese, C.: RMCA: 9 [9 - **9**] - 3 October 1968: Veronese, C.: RMCA: 14 [14 - **14**] - 4 October 1968: Veronese, C.: RMCA: 5 [5 - **5**] - 19 February 1969: Veronese, C.: RMCA: 1 [1 - **1**] - 20 February 1969: Veronese, C.: RMCA: 13 [13 - **13**] - 21 February 1969: Veronese, C.: RMCA: 10 [10 - **10**] - 22 February 1969: Veronese, C.: RMCA: 23 [23 - **23**] - 23 February 1969: Veronese, C.: RMCA: 25 [25 - **25**] - 24 February 1969: Veronese, C.: RMCA: 18 [18 - **18**] - 25 February 1969: Veronese, C.: RMCA: 13 [13 - **13**] - 26 February 1969: Veronese, C.: RMCA: 19 [19 - **19**] - 27 February 1969: Veronese, C.: RMCA: 23 [23 - **23**] - 28 February 1969: Veronese, C.: RMCA: 16 [16 - **16**] - 1 March 1969: Veronese, C.: RMCA: 9 [9 - **9**] - 2 March 1969: Veronese, C.: RMCA: 7 [7 - **7**] - 3 March 1969: Veronese, C.: RMCA: 8 [8 - **8**] - 4 March 1969: Veronese, C.: RMCA: 5 [5 - **5**] - 5 March 1969: Veronese, C.: RMCA: 5 [5 - **5**] - 6 March 1969: Veronese, C.: RMCA: 6 [6 - **6**] - 7 March 1969: Veronese, C.: RMCA: 4 [4 - **4**] - 8 March 1969: Veronese, C.: RMCA: 3 [3 - **3** - **250**].

Evou - Akodegbe: 11 November 1968: Veronese, C.: RMCA: 14 [14 - **14**] - 13 November 1968: Veronese, C.: RMCA: 17 [17 - **17**] - 14 November 1968: Veronese, C.: RMCA: 10 [10 - **10**] - 16 November 1968: Veronese, C.: RMCA: 1 [1 - **1** - **42**].

Evou or Atakpamé: Collection Date Unknown: Veronese, C.: RMCA: 8 [8 - **8** - **8**].

Ezimé: 30 June 1968: LeDuc, James W.: USNM: 2 [2 - **2**] - 1 July 1968: LeDuc, James W.: USNM: 4 [4]; Robbins, C. Brian: USNM: 10 [10 - **14**] - 2 July 1968: LeDuc, James W.: USNM: 12 [12]; Robbins, C. Brian: USNM: 8 [8 - **20**] - 4 July 1968: Robbins, C. Brian: USNM: 8 [8 - **8**] - 5 July 1968: LeDuc, James W.: USNM: 3 [3]; Robbins, C. Brian: USNM: 11 [11 - **14**] - 27 November 1968: Veronese, C.: RMCA: 36 [36 - **36**] - 28 November 1968: Veronese, C.: RMCA: 32 [32 - **32**] - 29 November 1968: Veronese, C.: RMCA: 10 [10 - **10**] - 30 November 1968: Veronese, C.: RMCA: 14 [14 - **14** - **150**].

Fazao: 20 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 2 [2 - **2**] - 21 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 33 [33 - **33**] - 22 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 29 [29 - **29**] - 23 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 65 [65 - **65**] - 24 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 24 [24 - **24** - **153**].

Gbatope: Collection Date Unknown: LeDuc, James W.: USNM: 2 [2]; Robbins, C. Brian: USNM: 1 [1 - **3**] - 27 June 1968: LeDuc, James W.: USNM: 28 [28]; Robbins, C. Brian: USNM: 32 [32 - **60**] - 28 June 1968: LeDuc, James W.: USNM: 20 [20]; Robbins, C. Brian: USNM: 17 [17 - **37** - **100**].

Haubinda: Collection Date Unknown: Keilhack, L.: ZMB: 1 [1 - **1** - **1**].

Ihounabe: 31 October 1969: Matthias: RMCA: 3 [3 - **3**] - 1 November 1969: Matthias: RMCA: 8 [8 - **8**] - 2 November 1969: Matthias: RMCA: 16 [16 - **16**] - 3 November 1969: Matthias: RMCA: 1 [1 - **1** - **28**].

Kadjamba: Collection Date Unknown: Meckelenburg, Adolf Fritz z.: ZMB: 4 [4]; Richers: ZMB: 1 [1 - **5** - **5**].

Kamina: 29 September 1968: Veronese, C.: RMCA: 14 [14 - **14**] - 30 September 1968: Veronese, C.: RMCA: 7 [7 - **7**] - 17 October 1968: Veronese, C.: RMCA: 7 [7 - **7**] - 18 October 1968: Veronese, C.: RMCA: 3 [3 - **3**] - 19 October 1968: Veronese, C.: RMCA: 8 [8 - **8**] - 20 October 1968: Veronese, C.: RMCA: 11 [11 - **11** - **50**].

Klein-Popo [=Aného]: Collection Date Unknown: Linnaea: ZMB: 2 [2 - **2** - **2**].

Klouto: 24 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 5 [5 - **5** - **5**].

Kodegbe: 15 November 1968: Veronese, C.: RMCA: 11 [11 - **11**] - 16 November 1968: Veronese, C.: RMCA: 3 [3 - **3** - **14**].

Kolokopé: 27 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 14 [14 - **14**] - 28 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 27 [27 - **27**] - 29 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 16 [16 - **16**] - 30 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 13 [13 - **13**] - 31 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 11 [11 - **11**] - 1 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 10 [10 - **10** - **91**].

Korrekope: Collection Date Unknown: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 1 [1 - **1**] - 12 March 1970: Thys Van den Audenaerde, Dirk; Opdenbosch, Armand: RMCA: 4 [4 - **4** - **5**].

Kouda Topki: 1 December 1963: ?: Collector Unknown: MNHN: 4 [4 - **4**] - 29 December 1963: ?: Collector Unknown: MNHN: 9 [9 - **9** - **13**].

Koutoukpa: 1 December 1968: Veronese, C.: RMCA: 7 [7 - **7**] - 2 December 1968: Veronese, C.: RMCA: 5 [5 - **5**] - 3 December 1968: Veronese, C.: RMCA: 17 [17 - **17**] - 4 December 1968: Veronese, C.: RMCA: 11 [11 - **11**] - 5 December 1968: Veronese, C.: RMCA: 6 [6 - **6**] - 6 December 1968: Veronese, C.: RMCA: 8 [8 - **8** - **54**].

Lomé: Collection Date Unknown: Keilhack, L.: ZMB: 2 [2 - **2**] - 1 January 1899: : SMF: 1, SMNS: 3 [4 - **4**] - 16 April 1914: Keilhack, L.: ZMB: 1 [1 - **1**] - 4 January 1970: De Vree, Frits; Van der Straeten, Erik: RMCA: 1 [1 - **1** - **8**].

Lomnava: 13 October 1968: Veronese, C.: RMCA: 14 [14 - **14** - **14**].

Malfakassa: 31 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **1**].

Mango: Collection Date Unknown: Thierry, Gaston: ZMB: 2 [2 - **2**] - 14 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 5 [5 - **5**] - 15 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 9 [9 - **9**] - 16 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 8 [8 - **8** - **24**].

Maritime province: Collection Date Unknown: ?: Collector Unknown: SMF: 3 [3 - **3** - **3**].

Missahohé: Collection Date Unknown: Baumann: ZMB: 8 [8]; Smend: ZMB: 1 [1 - **9**] - 6 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 2 [2 - **2**] - 7 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 4 [4 - **4**] - 8 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 35 [35 - **35**] - 9 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 8 [8 - **8**] - 10 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 6 [6 - **6**] - 11 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 4 [4 - **4**] - 24 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 10 [10 - **10**] - 25 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 4 [4 - **4**] - 26 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 6 [6 - **6**] - 27 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 19 [19 - **19**] - 28 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 14 [14 - **14**] - 29 December 1969: De Vree, Frits; Van der Straeten, Erik: RMCA: 6 [6 - **6** - **127**].

Mono-Atchinedji: 5 February 1969: Veronese, C.: RMCA: 1 [1 - **1** - **1**].

Namoundjoga: 27 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 52 [52 - **52**] - 28 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 10 [10 - **10**] - 29 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 5 [5 - **5**] - 30 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 22 [22 - **22**] - 31 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 20 [20 - **20**] - 1 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 10 [10 - **10**] - 2 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 8 [8 - **8** - **127**].

Nanergou: Collection Date Unknown: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 13 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 6 [6 - **6**] - 14 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 63 [63 - **63**] - 15 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 28 [28 - **28**] - 16 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 11 [11 - **11**] - 17 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **110**].

Niamtougou: 21 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 1 [1 - **1**] - 22 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 1 [1 - **1**] - 23 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 16 [16 - **16**] - 24 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 8 [8 - **8**] - 25 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 4 [4 - **4** - **30**].

no specific locality: Collection Date Unknown: ?: Collector Unknown: BMNH: 2, ZMB: 2 [4]; Chabaud, Alain Gabriel: MNHN: 1 [1]; Conradt: ZMB: 2 [2]; De Vree, Frits; Van der Straeten, Erik: RMCA: 17 [17]; Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 2 [2]; Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 2 [2]; Veronese, C.: RMCA: 2 [2]; Zech, Johann Nepomuk: ZMB: 12 [12 - **42**] - 14 August 1968: Veronese, C.: RMCA: 1 [1 - **1**] - 1 January 1975: : SMF: 1 [1 - **1** - **44**].

Nuatja: 10 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 3 [3 - **3**] - 11 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 13 [13 - **13**] - 12 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 13 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2** - **20**].

Odjolo: 4 February 1969: Veronese, C.: RMCA: 15 [15 - **15**] - 5 February 1969: Veronese, C.: RMCA: 16 [16 - **16**] - 6 February 1969: Veronese, C.: RMCA: 14 [14 - **14**] - 7 February 1969: Veronese, C.: RMCA: 29 [29 - **29**] - 8 February 1969: Veronese, C.: RMCA: 27 [27 - **27**] - 9 February 1969: Veronese, C.: RMCA: 42 [42 - **42**] - 10 February 1969: Veronese, C.: RMCA: 19 [19 - **19**] - 11 February 1969: Veronese, C.: RMCA: 22 [22 - **22**] - 12 February 1969: Veronese, C.: RMCA: 7 [7 - **7**] - 13 February 1969: Veronese, C.: RMCA: 8 [8 - **8**] - 14 February 1969: Veronese, C.: RMCA: 2 [2 - **2**] - 17 October 1969: Matthias: RMCA: 13 [13 - **13**] - 18 October 1969: Matthias: RMCA: 5 [5 - **5**] - 19 October 1969: Matthias: RMCA: 4 [4 - **4**] - 21 October 1969: Matthias: RMCA: 4 [4 - **4**] - 23 October 1969: Matthias: RMCA: 5 [5 - **5**] - 24 October 1969: Matthias: RMCA: 7 [7 - **7**] - 25 October 1969: Matthias: RMCA: 2 [2 - **2**] - 26 October 1969: Matthias: RMCA: 3 [3 - **3**] - 27 October 1969: Matthias: RMCA: 1 [1 - **1**] - 28 October 1969: Matthias: RMCA: 2 [2 - **2**] - 29 October 1969: Matthias: RMCA: 3 [3 - **3**] - 30 October 1969: Matthias: RMCA: 7 [7 - **7**] - 31 October 1969: Matthias: RMCA: 3 [3 - **3** - **260**].

Oti: Collection Date Unknown: : ZMB: 1 [1 - **1** - **1**].

Padori: 16 May 1968: LeDuc, James W.: USNM: 32 [32]; Robbins, C. Brian: USNM: 25 [25 - **57**] - 19 May 1968: LeDuc, James W.: USNM: 12 [12]; Robbins, C. Brian: USNM: 10 [10 - **22** - **79**].

Pagala: Collection Date Unknown: LeDuc, James W.: USNM: 1 [1]; Robbins, C. Brian: USNM: 1 [1 - **2**] - 27 May 1968: Robbins, C. Brian: USNM: 3 [3 - **3**] - 29 May 1968: Robbins, C. Brian: USNM: 6 [6 - **6**] - 30 May 1968: Robbins, C. Brian: USNM: 1 [1 - **1**] - 31 May 1968: Robbins, C. Brian: USNM: 1 [1 - **1** - **13**].
Paio: 20 June 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1**] - 21 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 5 [5 - **5**] - 22 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 11 [11 - **11**] - 23 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **21**].
Palimé: Collection Date Unknown: ?: Collector Unknown: MNHN: 4 [4 - **4** - **4**].
Papase: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Péwa: 22 May 1968: LeDuc, James W.: USNM: 11 [11]; Robbins, C. Brian: USNM: 5 [5 - **16**] - 24 May 1968: LeDuc, James W.: USNM: 7 [7]; Robbins, C. Brian: USNM: 1 [1 - **8**] - 25 May 1968: LeDuc, James W.: USNM: 39 [39]; Robbins, C. Brian: USNM: 37 [37 - **76**] - 20 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 3 [3 - **3** - **103**].
Pogan: 13 July 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 17 [17 - **17** - **17**].
Porto Séguro: 30 June 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4**] - 2 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 2 [2 - **2**] - 6 July 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 4 [4 - **4** - **10**].
Sansanné-Mango: 17 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 19 [19 - **19**] - 18 August 1968: Verheyen, Walter N.; De Roo, Antoon Emeric Marcel: RMCA: 1 [1 - **1** - **20**].
Tchonou: 15 September 1968: Veronese, C.: RMCA: 9 [9 - **9**] - 16 September 1968: Veronese, C.: RMCA: 8 [8 - **8**] - 17 September 1968: Veronese, C.: RMCA: 11 [11 - **11**] - 18 September 1968: Veronese, C.: RMCA: 6 [6 - **6**] - 19 September 1968: Veronese, C.: RMCA: 6 [6 - **6**] - 20 September 1968: Veronese, C.: RMCA: 2 [2 - **2** - **42**].
Témédja: 28 September 1968: Veronese, C.: RMCA: 6 [6 - **6**] - 29 September 1968: Veronese, C.: RMCA: 7 [7 - **7**] - 30 September 1968: Veronese, C.: RMCA: 4 [4 - **4**] - 1 October 1968: Veronese, C.: RMCA: 3 [3 - **3**] - 2 October 1968: Veronese, C.: RMCA: 6 [6 - **6**] - 3 October 1968: Veronese, C.: RMCA: 2 [2 - **2**] - 4 October 1968: Veronese, C.: RMCA: 8 [8 - **8** - **36**].
Tététou: 3 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 1 [1 - **1**] - 4 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 7 [7 - **7**] - 5 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 6 [6 - **6**] - 6 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 9 [9 - **9** - **23**].
Togoville: 11 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 16 [16 - **16**] - 12 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 26 [26 - **26**] - 13 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 20 [20 - **20**] - 14 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 8 [8 - **8**] - 15 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 14 [14 - **14**] - 16 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 8 [8 - **8**] - 17 September 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 6 [6 - **6** - **98**].
Tomegbé: 8 August 1969: Verheyen, Walter N.; Hulselmans, Jan; Puylaert, Firmin A.: RMCA: 13 [13 - **13** - **13**].

Total Specimens for Togo: 4596

Tunisia

Unknown locality: Collection Date Unknown: BMNH: 12, MNHN: 8, SMF: 61 [81]; Mathis, M.: MNHN: 1 [1 - **82**] - 12 March 1963: ?: Collector Unknown: SMF: 14 [14 - **14**] - 2 August 1970: ?: Collector Unknown: SMF: 6 [6 - **6**] - 25 March 1971: ?: Collector Unknown: SMF: 2 [2 - **2**] - 13 August 1971: ?: Collector Unknown: SMF: 27 [27 - **27**] - 4 April 1972: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 August 1972: ?: Collector Unknown: SMF: 2 [2 - **2**] - 15 April 1973: ?: Collector Unknown: SMF: 1 [1 - **1**] - 29 April 1994: Kock, Dieter: SMF: 1 [1 - **1**] - 30 April 1994: ?: Collector Unknown: SMF: 2 [2 - **2** - **138**].
Ain Dhab: 8 June 1996: Gharaibeh, Burhan M.: TTU: 1 [1 - **1**] - 12 June 1996: Gharaibeh, Burhan M.: TTU: 6 [6 - **6**] - 24 June 1996: Gharaibeh, Burhan M.: TTU: 3 [3 - **3** - **10**].
Aïn Draham: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Ain Draham, 5 km NE: 19 April 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 7 [7 - **7**] - 11 May 1975: Smail, A.B.: TTU: 1 [1 - **1** - **8**].
Ain Jammalah Pepinier Forestière: 23 June 1996: Gharaibeh, Burhan M.: TTU: 4 [4 - **4** - **4**].
Al Huwwariyah cave: 22 April 1961: Issel, W.: ROM: 1 [1 - **1** - **1**].
Bat cave: 8 November 1972: Vaughan, Tom; Vaughan, Pamela: TTU: 17 [17 - **17**] - 4 May 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 2 [2 - **2**] - 4 May 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 2 [2 - **2** - **21**].
Bled Douarah: 12 March 1969: Maslin, Thomas Paul: UCM: 5 [5 - **5** - **5**].
Bulla Regia: 19 November 1972: Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **6**] - 26 December 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **7**].
Cape Bon: 4 May 1975: Hayward, Bruce Joliffe: WNMU: 1 [1 - **1** - **1**].
Cartago: 14 March 1959: Roer, Hubert: ZFMK: 3 [3 - **3**] - 15 March 1959: Roer, Hubert: ZFMK: 5 [5 - **5**] - 6 March 1961: Walch, K.: SMF: 1 [1 - **1** - **9**].
Chemtou: 19 November 1972: Vaughan, Tom; Vaughan, Pamela: TTU: 5 [5 - **5**] - 2 March 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **6**].
Damoos Said: 10 June 1996: Gharaibeh, Burhan M.: TTU: 3 [3 - **3**] - 12 June 1996: Gharaibeh, Burhan M.: TTU: 2 [2 - **2** - **5**].
Dgomous Reserve: 29 May 1996: Gharaibeh, Burhan M.: TTU: 2 [2 - **2** - **2**].
Djebel Ank mine: 12 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 7 [7 - **7** - **7**].
Djebel Besass: 15 December 1965: Bernard, Ric T.F.: RMCA: 1 [1 - **1**] - 9 May 1975: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **4**].
Djebel Gloub: 18 May 1906: Gadeau de Kerville, Henri: MNHN: 2 [2 - **2** - **2**].
Djebel Gloub cave: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].
Djebel Oust: 29 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 5 [5 - **5** - **5**].
Djebel Rassas: 1 January 1974: ?: Collector Unknown: TTU: 1 [1 - **1**] - 7 August 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1**] - 12 August 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1**] - 23 August 1974: Vaughan, Tom; Vaughan,

Pamela: TTU: 4 [4 - **4**] - 24 October 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 18 [18 - **18**] - 1 January 1975: ?: Collector Unknown: TTU: 1 [1 - **1**] - 8 May 1975: Smail, A.B.: TTU: 4 [4]; Vaughan, Tom; Vaughan, Pamela: TTU: 12 [12 - **16**] - 12 August 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 2 [2 - **2** - **44**].

Djebel Trozza mine: 16 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 3 [3 - **3** - **3**].

Djebel Zaghouan, 4 km W Poste Optique: 26 April 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 8 [8 - **8**] - 30 April 1975: Khadhari, Dridi: TTU: 2 [2]; Smail, A.B.: TTU: 1 [1 - **3** - **11**].

Djebel Zaghouan, cave at Poste Optique: 25 April 1975: Smail, A.B.: TTU: 1 [1 - **1**] - 26 April 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1**] - 30 April 1975: Shrimplin, J.: TTU: 1 [1]; Smail, A.B.: TTU: 1 [1]; Vaughan, Tom; Vaughan, Pamela: TTU: 8 [8 - **10** - **12**].

Djerba: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Djerba island: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Douirat: Collection Date Unknown: ?: Collector Unknown: BMNH: 5 [5 - **5** - **5**].

El Hamma: 14 April 1977: Debreczy, Zoltan; Mahunka, Sándor: HNHM: 12 [12 - **12** - **12**].

El Haouaria cave: 15 May 1960: Muller, H.P.: ZMA: 1 [1]; Nagel; Schubert; Vesmanis, Indulis Evalds: SMF: 17 [17 - **18**] - 12 March 1963: Nagel; Schubert; Vesmanis, Indulis Evalds: SMF: 5 [5 - **5**] - 25 March 1971: Nagel; Schubert; Vesmanis, Indulis Evalds: SMF: 15 [15 - **15**] - 29 August 1972: Nagel; Schubert; Vesmanis, Indulis Evalds: SMF: 8 [8 - **8** - **46**].

El Haouaria, 2 km N: 9 June 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 3 [3 - **3** - **3**].

El Haouaria, 2 km NE: 9 June 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 8 [8 - **8** - **8**].

El Haouaria, 4 km NE: 4 May 1975: Vaughan, Tom; Vaughan, Pamela: USNM: 1 [1 - **1** - **1**].

El Hauaria, 1.5 km NE: 2 November 1972: Vaughan, Tom; Vaughan, Pamela: TTU: 15 [15 - **15** - **15**].

El Houaria: 12 March 1963: : SMF: 1 [1 - **1** - **1**].

El Huaria cave: 22 April 1961: Issel, W.: AMNH: 1 [1 - **1** - **1**].

El Ouidiane abandoned coal mine: 12 October 1973: Smail, A.B.: TTU: 1 [1]; Vaughan, Tom; Vaughan, Pamela: TTU: 12 [12 - **13** - **13**].

Enfidaville: 23 September 1966: Harrison, David Lakin: HZM: 1 [1 - **1** - **1**].

Entouna mine: 11 September 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **6**] - 10 May 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4**] - 3 April 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **11**].

Feija National Park Headquarters: 19 June 1996: Gharaibeh, Burhan M.: TTU: 1 [1 - **1**] - 21 June 1996: Gharaibeh, Burhan M.: TTU: 24 [24 - **24** - **25**].

Feriana: Collection Date Unknown: ?: Collector Unknown: MNHN: 2 [2 - **2** - **2**].

Foum Tatahouine, 2 km S: 5 June 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **6** - **6**].

Gabès: Collection Date Unknown: Spatz: ZMB: 2 [2 - **2**] - 1 January 1922: Sicard: MHNG: 1 [1 - **1**] - 18 July 1958: Marinkelle, Cornelis Johannes: FMNH: 2 [2 - **2** - **5**].

Gabès governorate: 21 March 1972: ?: Collector Unknown: SMF: 208 [208 - **208** - **208**].

Gabès, 100 km S: 1 January 1984: Gaucher, Ph.; Brosset, André: MHNG: 1 [1 - **1** - **1**].

Gafsa: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Gafsa governorate: 10 June 2002: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].

Galita Island: 29 August 1971: Charousset, F.; Schubert; Vesmanis, Indulis Evalds: SMF: 2 [2 - **2** - **2**].

Ghar Kraiz: 21 June 1996: Gharaibeh, Burhan M.: TTU: 8 [8 - **8**] - 23 June 1996: Gharaibeh, Burhan M.: TTU: 5 [5 - **5** - **13**].

Ghar Tabouda: Collection Date Unknown: ?: Collector Unknown: MHNG: 1 [1 - **1** - **1**].

Glong, Jebel: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].

Grombalia, 10 km W: 6 September 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Grotte aux Chauves-souris: 24 March 1975: Wiersema, G.J.: ZMA: 1 [1 - **1** - **1**].

Hadjeb el Aioun pool, near: 28 May 1975: Smail, A.B.: TTU: 2 [2 - **2** - **2**].

Hammam Djedidi, mine tunnel: 16 August 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Hoble: 22 April 1961: Issel, W.: ROM: 1 [1 - **1** - **1**].

Kaphza [=Gafsa]: Collection Date Unknown: Bodemeyer: ZMB: 2 [2 - **2** - **2**].

Kaphza [=Gafsa], cave near: Collection Date Unknown: Bodemeyer: ZMB: 2 [2 - **2** - **2**].

Kasserine caves: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].

Kheredine: 13 November 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Maktar ruins: 31 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **6** - **6**].

Matmata, near: 1 January 1985: Nobis, G.: ZFMK: 1 [1 - **1** - **1**].

M'Dilla abandoned Phosphate mines: 14 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **6** - **6**].

Metlaoui and Redeyef, between: 1 January 1931: Babault, Guy: MNHN: 1 [1 - **1** - **1**].

Mezel Temime, 3 km SE: 7 June 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].

Mu'tamadiyat: Collection Date Unknown: Lühe: ZMB: 1 [1 - **1** - **1**].

Nabeul: 3 July 1958: Marinkelle, Cornelis Johannes: FMNH: 11 [11 - **11** - **11**].

Nabeul governorate: 15 May 1960: ?: Collector Unknown: SMF: 12 [12 - **12**] - 12 March 1963: ?: Collector Unknown: SMF: 1 [1 - **1**] - 25 March 1971: ?: Collector Unknown: SMF: 3 [3 - **3**] - 13 August 1971: ?: Collector Unknown: SMF: 52 [52 - **52**] - 24 February 1972: ?: Collector Unknown: SMF: 8 [8 - **8**] - 1 April 1972: ?: Collector Unknown: SMF: 36 [36 - **36**] - 29 August 1972: ?: Collector Unknown: SMF: 78 [78 - **78** - **190**].

near Aioun Ameur: 27 May 1975: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **3**].

Nefza, 6 km W: 11 May 1975: Hayward, Bruce Joliffe: FMNH: 2, TTU: 1 [3]; Khadhari, Dridi: TTU: 1 [1 - **4** - **4**].

Nefzaoua: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1]; Lataste collection, The: MNHN: 2 [2 - **3**] - 18 February 1971: Nagel; Schubert; Vesmanis, Indulis Evalds: SMF: 3 [3 - **3** - **6**].

Oasis Tozeur: Collection Date Unknown: ?: Collector Unknown: LACM: 4 [4 - **4** - **4**].

on GP 3 in underground aquduct: 25 February 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 27 [27 - **27**] - 27 April 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 8 [8 - **8** - **35**].

on road to Aioun Ameur, cave with mine: 27 May 1975: Dridi, K.: TTU: 5 [5]; Smail, A.B.: TTU: 1 [1]; Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **10** - **10**].

on road to Aioun Ameur, cave with mine, mistnetted at high roost: 27 May 1975: Hayward, Bruce Joliffe: TTU: 1 [1 - **1** - **1**].

on road to Aioun Ameur, night roost in escarpment: 27 May 1975: Hayward, Bruce Joliffe: TTU: 1 [1 - **1** - **1**].

Oudna Station, 1 km SE: 21 January 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 3 [3 - **3** - **3**].

Ras Rajel Cemetery: 11 May 1975: Khadhari, Dridi: TTU: 6 [6 - **6** - **6**].

Ras Rajel cemetery, mine at W edge: 11 May 1975: Smail, A.B.: TTU: 7 [7 - **7** - **7**].

Redeyef: 1 January 1931: Babault, Guy: MNHN: 1 [1 - **1** - **1**].

Redeyef, 4 km S: 10 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 9 [9 - **9**] - 27 May 1975: Hayward, Bruce Joliffe: TTU: 4 [4]; Khadhari, Dridi: TTU: 6 [6]; Smail, A.B.: TTU: 2 [2]; Vaughan, Tom; Vaughan, Pamela: TTU: 6 [6 - **18** - **27**].
Sbeitla, pool 40 km NW: 16 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 15 [15 - **15**] - 17 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 2 [2 - **2** - **17**].
Scarna mine: 28 January 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 2 [2 - **2**] - 26 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 22 [22 - **22**] - 28 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 3 [3 - **3** - **27**].
Sfax: 16 August 1958: Marinkelle, Cornelis Johannes: FMNH: 3 [3 - **3** - **3**].
Sidi Bou Zid governorate: Collection Date Unknown: : TTU: 1 [1 - **1** - **1**].
Sidi Bou Zid valley: 1 January 1955: Brosset, André: MNHN: 1 [1 - **1** - **1**].
Sidi Hassen Ayet memorial building: 25 April 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 7 [7 - **7** - **7**].
Sidi Mansour area: 17 October 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].
Sidi Messaoud, mine tunnel near: 25 October 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].
Sidi Tayeaa: 3 October 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4** - **4**].
Sousse: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3** - **3**].
Stil Date Grove: 25 May 1975: Hatward, B J: TTU: 1 [1 - **1** - **1**].
Tabouda caves: 12 May 1996: Gharaibeh, Burhan M.: TTU: 10 [10 - **10** - **10**].
Tamerza oasis: 8 July 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **1**].
Tatahouine: Collection Date Unknown: ?: Collector Unknown: MNHN: 3 [3 - **3**] - 4 June 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1**] - 5 June 1973: Jordan, Robert G.; Smail, A.B.: TTU: 2 [2]; Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **3**] - 26 May 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1**] - 27 May 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1** - **9**].
Tebourba: Collection Date Unknown: Lühe: ZMB: 59 [59 - **59**] - 12 March 1898: Lühe: ZMB: 2 [2 - **2** - **61**].
Tebourba, cave near: Collection Date Unknown: Lühe: ZMB: 15 [15 - **15** - **15**].
Therma: Collection Date Unknown: Blanc, G.: NRM: 2 [2 - **2** - **2**].
Toujane, 3 km NW: 31 May 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 11 [11 - **11**] - 28 May 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 10 [10 - **10** - **21**].
Tozeur: 1 August 1961: : SMF: 74 [74 - **74** - **74**].
Tozeur, 12 km N: 25 May 1975: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2** - **2**].
Tunis: Collection Date Unknown: ?: Collector Unknown: MNHN: 5, USNM: 7, ZMB: 1 [13]; Doria, Giacomo: USNM: 1, ZMB: 1 [2]; Lühe: ZMB: 19 [19]; von Erlanger, C.: ZMB: 1 [1 - **35**] - 1 February 1885: : SMF: 1 [1]; Miceli, F.: SMF: 2 [2 - **3**] - 24 February 1903: Biró, L.: HNHM: 1 [1 - **1**] - 21 August 1958: Marinkelle, Cornelis Johannes: FMNH: 9 [9 - **9** - **48**].
Utica ruins: 5 January 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 3 [3 - **3** - **3**].
Wadi Zriba: 3 October 1966: Harrison, David Lakin: HZM: 1 [1 - **1** - **1**].
Zaghouan, 3 km S: 4 October 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 10 [10 - **10**] - 5 October 1973: Vaughan, Tom; Vaughan, Pamela: TTU: 22 [22 - **22**] - 17 January 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4**] - 26 February 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 10 [10 - **10**] - 14 August 1974: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1**] - 13 January 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4**] - 26 February 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 1 [1 - **1**] - 26 April 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4**] - 30 April 1975: Vaughan, Tom; Vaughan, Pamela: TTU: 4 [4 - **4** - **60**].

Total Specimens for Tunisia: 1405

Uganda

Unknown locality: Collection Date Unknown: BMNH: 390, SMF: 1, USNM: 2 [393]; Cambridge University Geological Expedition 1934, The: BMNH: 1 [1]; Rift Valley Expedition, The: BMNH: 2 [2]; Southampton University Expedition, The: BMNH: 17 [17 - **413**] - 1 January 1909: ?: Collector Unknown: SMF: 2 [2 - **2**] - 9 July 1920: Raven, Henry Cushier: USNM: 1 [1 - **1**] - 17 July 1964: ?: Collector Unknown: SMF: 1 [1 - **1**] - 21 June 1966: Matthysse, John G.: CUMV: 1 [1 - **1**] - 29 March 1967: Hawkins, James D.: ZMA: 1 [1 - **1** - **419**].
25 km NW Masindi: Collection Date Unknown: ?: Collector Unknown: LACM: 4 [4 - **4**] - 4 October 1970: Williams, John George: ROM: 1 [1 - **1** - **5**].
Ajumani: 6 August 1990: Kityo, Robert N.: FMNH: 2 [2 - **2** - **2**].
Amiel: Collection Date Unknown: Jones, Theo Simpson: BMNH: 3 [3 - **3** - **3**].
Amudat: Collection Date Unknown: Hayward, Bruce Joliffe: USNM: 3 [3 - **3**] - 5 August 1968: Hayward, Bruce Joliffe: USNM: 9 [9 - **9**] - 6 August 1968: Hayward, Bruce Joliffe: USNM: 2 [2 - **2** - **14**].
Amuria: 16 February 1965: Van der Brink, J.N.; Graaf, P.: ZMA: 1 [1 - **1** - **1**].
Arua: 24 February 1966: Jolly, Clifford J.: ROM: 6 [6 - **6**] - 28 June 1966: Maclure, J.P.: ROM: 2 [2 - **2**] - 30 June 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 1 July 1966: Maclure, J.P.: ROM: 2 [2 - **2**] - 7 July 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 9 July 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 11 July 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 9 August 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 11 August 1966: Maclure, J.P.: ROM: 2 [2 - **2**] - 13 August 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 16 August 1966: Maclure, J.P.: ROM: 2 [2 - **2**] - 17 August 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 18 August 1966: Maclure, J.P.: ROM: 12 [12 - **12**] - 7 September 1966: Maclure, J.P.: ROM: 1 [1 - **1** - **34**].
Arua, 32 km N: 13 September 1966: Maclure, J.P.: ROM: 1 [1 - **1** - **1**].
Baherere: 7 September 1964: : SMF: 1 [1 - **1** - **1**].
Buchanan Sawmills: 24 November 1938: Loveridge, Arthur: MCZ: 22 [22 - **22** - **22**].
Budo: 12 March 1971: ?: Collector Unknown: AMS: 1 [1]; Kingdon, Jonathan: BMNH: 1, HZM: 1 [2 - **3**] - 12 May 1971: ?: Collector Unknown: AMS: 1 [1 - **1**] - 8 February 1972: ?: Collector Unknown: AMS: 1 [1 - **1** - **5**].
Budongo: Collection Date Unknown: ?: Collector Unknown: AMS: 2 [2]; Kingdon, Jonathan: BMNH: 10 [10 - **12**] - 7 July 1965: Starrett, Andrew: LACM: 1 [1 - **1**] - 6 March 1971: ?: Collector Unknown: AMS: 1 [1 - **1**] - 24 July 1971: ?: Collector Unknown: AMS: 2 [2 - **2**] - 27 November 1971: ?: Collector Unknown: AMS: 1 [1 - **1** - **17**].
Budongo Forest: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1]; : LACM: 25 [25]; Bampton, I.: LACM: 17 [17]; Williams: LACM: 16 [16]; Williams, S.H.: ROM: 1 [1 - **60**] - 5 November 1938: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 24 November 1938: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 26 November 1938: Loveridge, Arthur: MCZ: 9 [9 - **9**] - 2 December 1938: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 1 January 1962: Hawkes, T.: ROM: 3 [3 - **3**] - 2 May 1963: Machris-Knudsen Expedition, the: LACM: 3 [3 - **3**] - 11 October 1963: : LACM: 1 [1 - **1**] - 17 October 1963: Williams: ROM: 1 [1 - **1**] - 7 July

1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 8 July 1965: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - 9 July 1965: Hayward, Bruce Joliffe: FMNH: 6 [6 - **6**] - 10 July 1965: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - 11 July 1965: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - 12 July 1965: Hayward, Bruce Joliffe: FMNH: 10 [10]; Starrett, Andrew: LACM: 1 [1 - **11**] - 13 July 1965: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - 15 July 1965: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 9 January 1966: Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1**] - 16 January 1966: Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1**] - 22 June 1966: Williams: LACM: 1 [1 - **1**] - 2 July 1966: Williams, A.E.; Williams, John George: LACM: 1 [1 - **1**] - 7 August 1966: Jolly, Clifford J.: ROM: 2 [2 - **2**] - 17 September 1966: Williams, John George: ROM: 9 [9 - **9**] - 18 September 1966: Williams, John George: ROM: 2 [2 - **2**] - 2 June 1968: Williams, John George: ROM: 3 [3 - **3**] - 3 June 1968: Williams, John George: ROM: 7 [7 - **7**] - 4 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2**] - 6 June 1968: Shortt, Terence Michael: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2**] - 7 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 10 [10 - **10**] - 8 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - 9 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 4 [4 - **4**] - 10 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 2 [2]; Williams, John George; Shortt, Terence Michael: ROM: 16 [16 - **18**] - 11 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 23 [23 - **23**] - 13 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - 14 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - 19 June 1968: ?: Collector Unknown: ROM: 2 [2]; Williams, John George; Shortt, Terence Michael: ROM: 3 [3 - **5**] - 20 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **2**] - 21 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 2 [2]; Williams, John George; Shortt, Terence Michael: ROM: 2 [2 - **4**] - 22 June 1968: Williams, J.; Geraghty, P.; Shortt, Terence Michael: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 16 [16 - **17**] - 23 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 5 [5]; Williams, S.H.: ROM: 1 [1 - **6**] - 24 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 6 [6 - **6**] - 25 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - 21 October 1968: Williams, John George: ROM: 1 [1 - **1**] - 17 November 1969: Williams, John George: ROM: 1 [1 - **1**] - 9 May 1970: Bampton, I.: LACM: 1 [1 - **1**] - 17 May 1970: Bampton, I.: LACM: 1 [1 - **1**] - 2 October 1970: Williams, John George: ROM: 1 [1 - **1**] - 3 October 1970: Williams: ROM: 1 [1]; Williams, John George: ROM: 5 [5 - **6**] - 4 October 1970: Williams, John George: ROM: 4 [4 - **4**] - 5 October 1970: Williams, John George: ROM: 7 [7 - **7**] - 29 November 1970: Friedman, Ralph: AMNH: 11 [11]; Friedman, Ralph; Williams, John George: AMNH: 1 [1]; Williams, John George: AMNH: 2 [2 - **14**] - 30 November 1970: Friedman, Ralph: AMNH: 21 [21]; Williams, John George: AMNH: 17 [17 - **38**] - 1 December 1970: Friedman, Ralph: AMNH: 45 [45 - **45**] - 7 September 1971: Williams, John George: ROM: 1 [1 - **1**] - 3 October 1971: Williams, John George: ROM: 1 [1 - **1**] - 25 June 1998: Kityo, Robert N.: FMNH: 5 [5]; Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **6** - **372**].

Budongo Forest Nature Reserve: 25 June 1998: Kityo, Robert N.: FMNH: 10 [10 - **10**] - 26 June 1998: Kityo, Robert N.: FMNH: 2 [2 - **2**] - 27 June 1998: Kityo, Robert N.: FMNH: 2 [2 - **2** - **14**].

Budongo Forest Royal mile: 16 June 1998: Kityo, Robert N.: FMNH: 2 [2 - **2**] - 17 June 1998: Kityo, Robert N.: FMNH: 5 [5 - **5**] - 18 June 1998: Kityo, Robert N.: FMNH: 1 [1 - **1** - **8**].

Budongo Forest Royal mile area: 16 June 1998: Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **1**] - 17 June 1998: ATBP Mammal Team: MCZ: 1 [1]; Chupasko, Judith (Judy) Marie: FMNH: 1 [1]; Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **3**] - 18 June 1998: ATBP Mammal Team: MCZ: 1 [1 - **1**] - 19 June 1998: Chupasko, Judith (Judy) Marie: FMNH: 1 [1]; Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **2**] - 20 June 1998: Chupasko, Judith (Judy) Marie: FMNH: 1 [1 - **1**] - 24 June 1998: Chupasko, Judith (Judy) Marie: FMNH: 2 [2 - **2** - **10**].

Budongo Forest Royal mile Forest: 18 June 1998: Kityo, Robert N.: FMNH: 4 [4 - **4**] - 19 June 1998: Kityo, Robert N.: FMNH: 5 [5 - **5** - **9**].

Bufumira Island: 28 May 1990: Kityo, Robert N.: FMNH: 3 [3 - **3**] - 29 May 1990: Kityo, Robert N.: FMNH: 2 [2 - **2** - **5**].

Bugala island: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2**] - 1 January 1908: Bayon, E.: SMF: 1 [1 - **1**] - 1 July 1908: Bayon, E.: AMNH: 1 [1 - **1** - **4**].

Bugoma Forest: Collection Date Unknown: Archer, A.L.: LACM: 3 [3 - **3**] - 10 December 1967: Archer, A.L.: LACM: 3 [3 - **3** - **6**].

Buhivu: 1 January 1911: Kinunke: NMW: 1 [1 - **1** - **1**].

Bukakata: 8 July 1990: Kityo, Robert N.: FMNH: 1 [1 - **1**] - 20 July 1990: Kityo, Robert N.: FMNH: 1 [1 - **1**] - 22 July 1990: Kityo, Robert N.: FMNH: 1 [1 - **1**] - 23 July 1990: Kityo, Robert N.: FMNH: 3 [3 - **3**] - 25 July 1990: Kityo, Robert N.: FMNH: 2 [2 - **2**] - 26 July 1990: Kityo, Robert N.: FMNH: 1 [1 - **1** - **9**].

Bukalasa: Collection Date Unknown: Jones, Theo Simpson: BMNH: 5 [5 - **5**] - 17 December 1961: Mutere, Festo Abby: SMF: 1 [1 - **1** - **6**].

Bukasa Island: Collection Date Unknown: : BMNH: 1 [1]; Southampton University Expedition, The: BMNH: 3 [3 - **4** - **4**].

Bukedi: 12 July 1971: Hawkins, James D.: ROM: 2 [2 - **2** - **2**].

Bukorwe Ridge: 19 January 1958: Longhurst, William M.: MVZ: 1 [1 - **1** - **1**].

Bukulasa: 20 July 1963: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Bulaganya, cave 3 mi S: 1 July 1962: Jones, Theo Simpson; Shepherd, C.: BMNH: 2 [2 - **2**] - 26 July 1962: Jones, Theo Simpson; Shepherd, C.: BMNH: 1 [1 - **1** - **3**].

Buligi: 16 August 1966: Williams, John George: ROM: 1 [1 - **1** - **1**].

Bumbo: 2 April 1971: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Bundimusuba: 10 July 1967: Archer, A.L.: LACM: 1 [1 - **1**] - 26 November 1968: Glen, Robert M.: LACM: 1 [1 - **1** - **2**].

Bunyoro: Collection Date Unknown: ?: Collector Unknown: ROM: 2 [2 - **2**] - 1 January 1962: Hawkes, T.: ROM: 1 [1]; Williams, John George: ROM: 2 [2 - **3**] - 2 May 1963: Williams, John George: ROM: 1 [1 - **1**] - 8 May 1963: Williams, John George: ROM: 1 [1 - **1**] - 5 August 1966: Jolly, Clifford J.: ROM: 1 [1 - **1**] - 7 August 1966: Jolly, Clifford J.: ROM: 1 [1 - **1**] - 16 September 1966: Williams, John George: ROM: 4 [4 - **4**] - 17 September 1966: Williams, John George: ROM: 2 [2 - **2**] - 5 February 1967: Williams, John George: ROM: 1 [1 - **1**] - 2 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 3 [3 - **3**] - 3 June 1968: Williams, John George: ROM: 4 [4 - **4**] - 4 June 1968: Williams, John George: ROM: 3 [3]; Williams, John George; Shortt, Terence Michael: ROM: 7 [7 - **10**] - 5 June 1968: Williams, John George; *et al.*: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 9 [9 - **10**] - 6 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 3 [3 - **3**] - 7 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - 8 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - 10 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 3 [3 - **3**] - 11 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 3 [3 - **3**] - 12 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 2 [2 - **2**] - 14 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - 16 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 16 [16 - **16**] - 17 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - 18 June 1968: Shortt, Terence Michael;

Williams, A.E.: ROM: 2 [2 - **2**] - 20 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **2**] - 21 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - 22 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 14 [14]; Williams, John George; *et al.*: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 10 [10 - **25**] - 23 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 11 [11]; Williams, John George; *et al.*: ROM: 5 [5]; Williams, John George; Shortt, Terence Michael: ROM: 4 [4 - **20**] - 24 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 20 [20]; Williams, John George; *et al.*: ROM: 5 [5]; Williams, John George; Shortt, Terence Michael: ROM: 2 [2 - **27**] - 25 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 2 [2 - **2**] - 17 September 1968: Williams, John George: ROM: 2 [2 - **2**] - 22 October 1968: Williams, John George: ROM: 2 [2 - **2**] - 5 October 1970: Williams, John George: ROM: 1 [1 - **1** - **158**].

Burisifwe Gombolola: Collection Date Unknown: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].

Busingiro area: 2 July 1998: Kityo, Robert N.: FMNH: 8 [8 - **8**] - 3 July 1998: Kityo, Robert N.: FMNH: 3 [3]; Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **4** - **12**].

Busingiro Camp Site: Collection Date Unknown: Solomon, M.T.: FMNH: 1 [1 - **1**] - 29 June 1998: Chupasko, Judith (Judy) Marie: FMNH: 1 [1]; Willard, David E.; Marks, B.: MCZ: 1 [1 - **2**] - 30 June 1998: Chupasko, Judith (Judy) Marie: FMNH: 3 [3]; Willard, David E.; Marks, B.: MCZ: 1 [1 - **4**] - 2 July 1998: Chupasko, Judith (Judy) Marie: FMNH: 1 [1]; Solomon, M.T.: FMNH: 2 [2 - **3**] - 3 July 1998: Solomon, M.T.: FMNH: 1 [1 - **1**] - 4 July 1998: Chupasko, Judith (Judy) Marie: FMNH: 1 [1 - **1** - **12**].

Bussu: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 1 January 1909: Bayon, E.: RMCA: 1 [1 - **1** - **2**].

Butandiga: 10 January 1934: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].

Butiaba: Collection Date Unknown: Berger: ZMB: 2 [2 - **2**] - 13 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 18 [18 - **18** - **20**].

Bwainba: 10 November 1945: Williams, J.C.: FMNH: 1 [1 - **1** - **1**].

Bwamba: 10 November 1969: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Bwamba Forest: Collection Date Unknown: : LACM: 2 [2 - **2**] - 13 September 1958: Martin, Peter: LACM: 1 [1 - **1**] - 23 July 1960: Twomey, A.C.: CM: 2 [2 - **2**] - 25 January 1966: Williams, John George: ROM: 1 [1 - **1** - **6**].

Bwamba Forest, Humia: 4 December 1968: Williams, A.: LACM: 5 [5 - **5** - **5**].

Bwamba Forest, Ntandi: 16 June 1967: Glen, Robert M.; Williams, A.: LACM: 2 [2 - **2**] - 19 June 1967: Glen, Robert M.; Williams, A.: LACM: 1 [1 - **1** - **3**].

Bwambara, 8 km N, below Bwentale Camp: 17 November 1994: Harney, Barbara A.: FMNH: 2 [2 - **2** - **2**].

Bwindi area: 29 May 1969: Williams, A.: LACM: 1 [1 - **1** - **1**].

Bwindi Swamp: Collection Date Unknown: Glen, Robert M.: LACM: 4 [4 - **4**] - 20 March 1967: Glen, Robert M.: LACM: 8 [8 - **8** - **12**].

Bwindi-Impenetrable National Park: 8 February 1995: Prep Lab Catalogue: FMNH: 1 [1 - **1**] - 23 February 1997: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - 24 February 1997: Hayward, Bruce Joliffe: FMNH: 1 [1]; Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **3**] - 25 February 1997: Hayward, Bruce Joliffe: FMNH: 2 [2]; Kerbis Peterhans, Julian C.: FMNH: 9 [9 - **11**] - 26 February 1997: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - 28 February 1997: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3**] - 1 March 1997: Hayward, Bruce Joliffe: FMNH: 4 [4 - **4**] - 2 March 1997: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **30**].

Byumba: 5 March 1997: Hayward, Bruce Joliffe: FMNH: 5 [5]; Kityo, Robert N.: FMNH: 1 [1 - **6**] - 6 March 1997: Hayward, Bruce Joliffe: FMNH: 7 [7]; Kityo, Robert N.: FMNH: 7 [7 - **14**] - 7 March 1997: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5**] - 8 March 1997: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 9 March 1997: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 10 March 1997: Hayward, Bruce Joliffe: FMNH: 9 [9]; Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **10**] - 11 March 1997: Hayward, Bruce Joliffe: FMNH: 6 [6]; Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **9**] - 12 March 1997: Hayward, Bruce Joliffe: FMNH: 3 [3]; Kerbis Peterhans, Julian C.: FMNH: 4 [4 - **7**] - 13 March 1997: Kerbis Peterhans, Julian C.: FMNH: 5 [5 - **5** - **59**].

Daniba island: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Dufile: 13 August 1990: Kityo, Robert N.: FMNH: 9 [9 - **9** - **9**].

E.A.T.R.O. Field Station: 25 June 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 6 July 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 10 July 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 11 July 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 13 July 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 16 July 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 22 July 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 16 September 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 16 March 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 22 March 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 18 May 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 26 May 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 27 May 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 16 September 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 17 September 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 23 September 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 24 September 1971: Hawkins, James D.: CAS: 1 [1 - **1** - **20**].

Echuya Forest Reserve: 10 April 1997: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3**] - 11 April 1997: Kerbis Peterhans, Julian C.: FMNH: 13 [13 - **13**] - 12 April 1997: Kerbis Peterhans, Julian C.: FMNH: 8 [8 - **8**] - 16 April 1997: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3**] - 17 April 1997: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7** - **34**].

Enkombe Sawmill: 2 July 1996: Lunde, Darrin P.: FMNH: 1 [1 - **1**] - 6 July 1996: Lunde, Darrin P.: FMNH: 1 [1 - **1**] - 13 July 1996: Lunde, Darrin P.: FMNH: 2 [2 - **2**] - 14 July 1996: Lunde, Darrin P.: FMNH: 1 [1 - **1**] - 15 July 1996: Lunde, Darrin P.: FMNH: 5 [5 - **5** - **10**].

Entebbe: Collection Date Unknown: ?: Collector Unknown: BMNH: 7, MNHN: 2 [9]; Berti, Carolina: RMCA: 1, ZMB: 2 [3]; Carl, J.: MHNG: 1 [1]; Degen, E.: BMNH: 1 [1]; Grandidier Collection, The: MCZ: 1 [1]; Grauer, Rudolf; Rolle, Hermann: ZMB: 2 [2]; Jackson, F.J.: BMNH: 1 [1]; Rolle, Hermann: ZMB: 1 [1]; Schlüter, A.: ZMB: 4 [4 - **23**] - 5 April 1893: Jackson, F.J.: BMNH: 1 [1 - **1**] - 16 June 1905: Degen, E.: BMNH: 2 [2 - **2**] - 1 January 1907: : SMF: 2 [2]; Bayon, E.: RMCA: 2 [2]; Berti, Carolina: RMCA: 4 [4 - **8**] - 28 February 1907: Schluter: ZMB: 1 [1 - **1**] - 25 February 1908: Berti, Carolina: AMNH: 1 [1 - **1**] - 10 September 1908: Bayon, E.: AMNH: 1 [1 - **1**] - 2 July 1945: Cade, C.E.: FMNH: 1 [1 - **1**] - 12 July 1945: Cade, C.E.: FMNH: 4 [4 - **4**] - 12 August 1945: Cade, C.E.: FMNH: 1 [1 - **1**] - 24 August 1945: Cade, C.E.: FMNH: 1 [1 - **1**] - 16 February 1950: Queeny, Edgar M.: AMNH: 2 [2 - **2**] - 17 February 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 8 August 1950: Buxton, A.P.: AMNH: 9 [9 - **9**] - 9 November 1950: Buxton, A.P.: AMNH: 1 [1 - **1**] - 30 November 1957: Foster, J.B.; Bateman, R.M.: ROM: 2 [2 - **2**] - 1 December 1957: Foster, J.B.; Bateman, R.M.: ROM: 1 [1 - **1**] - 5 July 1958: Cottrell, G. William: MCZ: 7 [7 - **7**] - 1 July 1963: Jones, Theo Simpson: BMNH: 1, ROM: 1 [2 - **2**] - 26 January 1964: Jones, Theo Simpson: ROM: 2 [2 - **2**] - 17 February 1964: Mutere, Festo Abby: BMNH: 1 [1 - **1**] - 28 July 1964: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - 14 November 1965: Williams, John George: ROM: 2 [2 - **2** - **75**].

Entebbe, 60 mi [=90 km] W: 29 November 1919: Dent, R.E.: BMNH: 1 [1 - **1** - **1**].

Entebbe, near: 2 July 1945: Cade, C.E.: FMNH: 1 [1 - **1**] - 17 July 1945: Cade, C.E.: FMNH: 4 [4 - **4**] - 7 August 1945: Cade, C.E.: FMNH: 1 [1 - **1**] - 16 September 1949: Cade, C.E.: FMNH: 1 [1 - **1**] - 16 February 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1**] - 17 February 1950: Queeny, Edgar M.: AMNH: 2 [2 - **2** - **10**].

Fort Portal: 27 January 1967: Williams, John George: ROM: 1 [1 - **1**] - 27 November 1970: Friedman, Ralph; Williams, John George: AMNH: 1 [1]; Williams, John George: AMNH: 1 [1 - **2** - **3**].
Goli: 9 August 1966: Maclure, J.P.: ROM: 4 [4 - **4** - **4**].
Gonda: Collection Date Unknown: Böhm, Richard: ZMB: 6 [6 - **6** - **6**].
Gulu: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 27 June 1963: Smart, R.: ROM: 3 [3 - **3**] - 27 July 1963: Mumford, Russell E.: USNM: 1 [1 - **1**] - 29 November 1969: ?: Collector Unknown: ROM: 2 [2 - **2** - **7**].
Haima, 28 mi S: 7 August 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1** - **1**].
Impenetrable Forest: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1]; Archer, A.L.: LACM: 2 [2 - **3** - **3**].
Ishasha River: 26 June 1962: Keith, S.: AMNH: 1 [1 - **1**] - 27 June 1962: Keith, S.: AMNH: 2 [2 - **2**] - 28 June 1962: Keith, S.: AMNH: 1 [1 - **1** - **4**].
Ishasha Road, 0.5 km S: 23 October 1994: McCaul, J.: FMNH: 1 [1 - **1** - **1**].
Ishasha, 5 km E: 26 November 1994: Harney, Barbara A.: FMNH: 2 [2 - **2** - **2**].
Itama area: Collection Date Unknown: : LACM: 9 [9 - **9**] - 27 March 1967: Williams, A.: LACM: 1 [1 - **1**] - 21 June 1969: Glen, Robert M.: LACM: 1 [1 - **1**] - 22 June 1969: Williams, A.: LACM: 1 [1 - **1** - **12**].
Itama Mine: Collection Date Unknown: : LACM: 11 [11 - **11**] - 31 March 1967: Archer, A.L.: LACM: 7 [7 - **7** - **18**].
Itama Mine area: 4 June 1969: Glen, Robert M.: LACM: 3 [3 - **3** - **3**].
Ithama mine: Collection Date Unknown: : LACM: 4 [4 - **4** - **4**].
John Mate Camp: 26 April 1991: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7**] - 27 April 1991: Kerbis Peterhans, Julian C.: FMNH: 13 [13 - **13**] - 29 April 1991: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3** - **23**].
Jubiya Forest: 18 November 1966: Mutere, Festo Abby: SMF: 1 [1 - **1** - **1**].
Kabanyolo [mission]: 21 April 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 22 April 1971: Hawkins, James D.: CAS: 3 [3 - **3**] - 24 April 1971: Hawkins, James D.: CAS: 4 [4 - **4** - **8**].
Kabei cave: 12 September 1966: Jolly, Clifford J.: ROM: 14 [14 - **14** - **14**].
Kaborole: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Kagolomolo-Busi island: 18 September 1940: Schwartz, A.: KU: 1 [1 - **1** - **1**].
Kalangala: 19 April 1990: ?: Collector Unknown: FMNH: 1 [1]; Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **3**] - 21 April 1990: Kerbis Peterhans, Julian C.: FMNH: 5 [5 - **5** - **8**].
Kalangala, 1.0 km N, 0.5 km E: 16 April 1990: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 17 April 1990: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3**] - 20 April 1990: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 23 April 1990: : FMNH: 1 [1]; Kerbis Peterhans, Julian C.: FMNH: 5 [5 - **6**] - 24 April 1990: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3** - **15**].
Kalangala, 1.0 km S: 24 April 1990: Kerbis Peterhans, Julian C.: FMNH: 7 [7 - **7** - **7**].
Kalinzu Forest: 30 October 1969: Williams, A.: LACM: 1 [1 - **1**] - 31 October 1969: Glen, Robert M.: LACM: 3 [3 - **3** - **4**].
Kama tin mine: Collection Date Unknown: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
Kampala: Collection Date Unknown: ?: Collector Unknown: BMNH: 2, USNM: 5 [7]; : USNM: 5 [5]; Buxton, A.P.: AMNH: 1 [1]; Loring, John Alden: USNM: 3 [3]; Mearns, Edgar Alexander: USNM: 1 [1]; Phillips, John Charles: MCZ: 2 [2 - **19**] - 21 December 1909: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 22 December 1909: Loring, John Alden: USNM: 8 [8 - **8**] - 1 January 1923: Phillips, John Charles: MCZ: 5 [5 - **5**] - 19 May 1951: Buxton, A.P.: AMNH: 1 [1 - **1**] - 21 May 1951: Buxton, A.P.: AMNH: 1 [1 - **1**] - 1 January 1961: Harrison, David Lakin: ROM: 1 [1 - **1**] - 6 July 1961: Cook, P.: HZM: 1 [1 - **1**] - 23 March 1964: Kahl, M.P.: ROM: 1 [1 - **1**] - 8 May 1964: Kahl, M.P.: ROM: 2 [2 - **2**] - 25 October 1964: ?: Collector Unknown: CUMV: 4 [4 - **4**] - 1 December 1964: : SMF: 1 [1 - **1**] - 1 January 1965: Pye, J.D.: BMNH: 1 [1 - **1**] - 10 June 1966: Jolly, Clifford J.: ROM: 4 [4 - **4**] - 5 August 1966: Kabuye, S.: ROM: 12 [12 - **12**] - 22 February 1967: Longhurst, William M.: MVZ: 1 [1 - **1** - **63**].
Kangole R.C.Mission: 10 December 1962: Ogilvie, Philip W.: AMNH: 1 [1 - **1** - **1**].
Kapchorwa, cave: 20 May 1971: Hawkins, James D.: CAS: 2 [2 - **2** - **2**].
Karamoja: 1 May 1965: Foster, J.B.: ROM: 2 [2 - **2**] - 18 September 1968: Williams, John George: ROM: 36 [36 - **36** - **38**].
Karamoja district, S of: 2 November 1963: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
Kasenju: 2 December 1957: Leech, Robin E.; Ross, Edward S.: CAS: 2 [2 - **2** - **2**].
Kasenyi: 11 January 1958: Longhurst, William M.: MVZ: 1 [1 - **1**] - 25 April 1958: Kibwana, V.: MVZ: 1 [1]; Kibwana, V.; Longhurst, William M.: MVZ: 1 [1 - **2** - **3**].
Katalemura: 4 March 1966: Jolly, Clifford J.: ROM: 1 [1 - **1**] - 10 March 1966: Jolly, Clifford J.: ROM: 1 [1 - **1**] - 18 March 1966: Jolly, Clifford J.: ROM: 1 [1 - **1** - **3**].
Katalemwa: 18 March 1966: Jolly, Clifford J.: ROM: 3 [3 - **3**] - 15 May 1966: Jolly, Clifford J.: ROM: 1 [1 - **1**] - 16 May 1966: Jolly, Clifford J.: ROM: 3 [3 - **3**] - 17 May 1966: Jolly, Clifford J.: ROM: 1 [1 - **1**] - 18 May 1966: Jolly, Clifford J.: ROM: 2 [2 - **2**] - 19 May 1966: Jolly, Clifford J.: ROM: 6 [6 - **6**] - 6 June 1966: Jolly, Clifford J.: ROM: 3 [3 - **3**] - 12 June 1966: Jolly, Clifford J.: ROM: 2 [2 - **2**] - 18 July 1966: Jolly, Clifford J.: ROM: 1 [1 - **1**] - 13 September 1966: Jolly, Clifford J.: ROM: 1 [1 - **1**] - 16 September 1966: Jolly, Clifford J.: ROM: 1 [1 - **1**] - 24 September 1966: Jolly, Clifford J.: ROM: 1 [1 - **1** - **25**].
Katatemwa: 9 August 1961: Cook, P.: HZM: 1 [1 - **1** - **1**].
Katera: Collection Date Unknown: Archer, A.L.: LACM: 6 [6 - **6** - **6**].
Katwe: 21 January 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 2 [2 - **2**] - 10 January 1958: Greenberg, Stuart N.: CAS: 1 [1 - **1**] - 14 July 1958: Greenberg, Stuart N.: CAS: 1 [1 - **1**] - 12 November 1965: Williams, John George: ROM: 1 [1 - **1**] - 1 April 1968: Williams, John George: ROM: 12 [12 - **12** - **17**].
Katwe, near: 11 November 1965: Williams, John George: ROM: 1 [1 - **1**] - 12 November 1965: Williams, John George: ROM: 1 [1 - **1**] - 13 November 1965: Williams, John George: ROM: 1 [1 - **1** - **3**].
Kawanda, Agriculture Research Station: 21 July 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 22 July 1971: Hawkins, James D.: CAS: 6 [6 - **6**] - 23 July 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 24 July 1971: Hawkins, James D.: CAS: 3, ROM: 7 [10 - **10**] - 19 November 1971: Hawkins, James D.: CAS: 4 [4 - **4**] - 20 November 1971: Hawkins, James D.: CAS: 3 [3 - **3**] - 21 November 1971: Hawkins, James D.: CAS: 6 [6 - **6**] - 22 November 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 23 November 1971: Hawkins, James D.: CAS: 4 [4 - **4** - **38**].
Kayonza Forest: Collection Date Unknown: : LACM: 3 [3 - **3**] - 20 October 1970: Williams, John George: ROM: 1 [1 - **1** - **4**].
Kibale Forest: Collection Date Unknown: : LACM: 15 [15 - **15**] - 19 December 1938: Loveridge, Arthur: MCZ: 5 [5 - **5**] - 3 December 1966: : LACM: 1 [1 - **1** - **21**].
Kichwamba, near: 23 February 1950: Queeny, Edgar M.: AMNH: 1 [1 - **1** - **1**].
Kigumba: 22 August 1956: Yunker, C.E.; Hoogstraal, Harry H.: FMNH: 1 [1 - **1** - **1**].
Kinyala: 28 July 1962: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Kiriamo: Collection Date Unknown: : BMNH: 1 [1 - **1** - **1**].
Kisolo: 11 January 1926: Heller, Edmund: FMNH: 5, USNM: 4 [9 - **9** - **9**].
Kisoro: 11 January 1926: ?: Collector Unknown: FMNH: 4 [4 - **4**] - 30 October 1975: Killango, A.B.C.: SMF: 2 [2 - **2**] - 31 October 1975: Killango, A.B.C.: SMF: 1 [1 - **1** - **7**].
Kisoro district: 30 October 1975: ?: Collector Unknown: SMF: 1 [1 - **1**] - 31 October 1975: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].
Kitumetira: 3 June 1962: Keith, S.: AMNH: 1 [1 - **1** - **1**].
Kyagwe county: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Lake Bunyoni: 2 January 1925: Heller, Edmund: USNM: 1 [1 - **1**] - 15 November 1925: ?: Collector Unknown: FMNH: 2 [2]; Heller, Edmund: FMNH: 7, MCZ: 1 [8 - **10**] - 16 November 1925: Heller, Edmund: FMNH: 17, USNM: 1 [18 - **18**] - 18 November 1925: Heller, Edmund: FMNH: 1 [1 - **1** - **30**].
Lake Edward: 1 January 1923: Phillips, John Charles: MCZ: 2 [2 - **2**] - 31 January 1967: Williams, John George: ROM: 1 [1 - **1** - **3**].
lake Kamuzuku 1: 2 April 2013: ?: Collector Unknown: FMNH: 2 [2 - **2**] - 3 April 2013: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 7 April 2013: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 8 April 2013: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 9 April 2013: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 10 April 2013: ?: Collector Unknown: FMNH: 2 [2 - **2** - **8**].
Lake Kamuzuku 2: 5 April 2013: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 6 April 2013: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 7 April 2013: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 8 April 2013: ?: Collector Unknown: FMNH: 3 [3 - **3**] - 9 April 2013: ?: Collector Unknown: FMNH: 3 [3 - **3**] - 10 April 2013: ?: Collector Unknown: FMNH: 2 [2 - **2**] - 11 April 2013: ?: Collector Unknown: FMNH: 1 [1 - **1** - **12**].
Lake Katwe: 11 May 1957: Petrides, George A.: MSU: 1 [1 - **1** - **1**].
Lake Mutanda: 11 January 1926: Heller, Edmund: FMNH: 32 [32 - **32** - **32**].
Lake Nabugabo: Collection Date Unknown: : BMNH: 2 [2 - **2** - **2**].
Lotome: 16 February 1956: Dyson-Hudson, Neville (?) or R. (?): AMNH: 1 [1 - **1** - **1**].
Lugala: 23 January 1971: Hawkins, James D.: ROM: 3 [3 - **3**] - 19 February 1971: Hawkins, James D.: ROM: 18 [18 - **18**] - 20 February 1971: Hawkins, James D.: ROM: 5 [5 - **5**] - 24 February 1971: Hawkins, James D.: ROM: 2 [2 - **2**] - 5 March 1971: Hawkins, James D.: ROM: 12 [12 - **12**] - 9 March 1971: Hawkins, James D.: ROM: 7 [7 - **7**] - 27 May 1971: Hawkins, James D.: ROM: 1 [1 - **1** - **48**].
Luhiza Mine: 27 March 1967: Glen, Robert M.; Williams, A.: LACM: 3 [3 - **3** - **3**].
Mabira Forest: Collection Date Unknown: Loveridge, Arthur: MCZ: 1 [1 - **1**] - 26 November 1965: Jolly, Clifford J.: ROM: 1 [1 - **1** - **2**].
Mahoma river, cave near: 22 August 1952: Evans, G. Owen: BMNH: 1 [1 - **1** - **1**].
Mainaro: 16 March 2013: ?: Collector Unknown: FMNH: 2 [2 - **2**] - 17 March 2013: ?: Collector Unknown: FMNH: 2 [2 - **2**] - 18 March 2013: ?: Collector Unknown: FMNH: 2 [2 - **2**] - 19 March 2013: ?: Collector Unknown: FMNH: 15 [15 - **15**] - 20 March 2013: ?: Collector Unknown: FMNH: 10 [10 - **10**] - 21 March 2013: ?: Collector Unknown: FMNH: 10 [10 - **10**] - 22 March 2013: ?: Collector Unknown: FMNH: 4 [4 - **4** - **45**].
Makerere: Collection Date Unknown: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].
Makerere Hill: 8 May 1964: Kahl, M.P.: ROM: 1 [1 - **1** - **1**].
Malabigambo Forest: Collection Date Unknown: Archer, A.L.: LACM: 8 [8 - **8** - **8**].
Manjasi High School: 1 March 1970: Hawkins, James D.; Van der Vegten, J.: ZMA: 1 [1 - **1**] - 5 March 1970: Hawkins, James D.; Van der Vegten, J.: ZMA: 2 [2 - **2**] - 8 March 1970: Hawkins, James D.; Van der Vegten, J.: ZMA: 10 [10 - **10**] - 4 April 1970: Hawkins, James D.: CAS: 4 [4 - **4**] - 21 May 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 25 May 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 1 June 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 2 June 1970: Hawkins, James D.: CAS: 2 [2 - **2** - **22**].
Maramagambo Forest: 2 July 1996: Lunde, Darrin P.: AMNH: 2 [2 - **2**] - 3 July 1996: Lunde, Darrin P.: AMNH: 1 [1 - **1**] - 6 July 1996: Lunde, Darrin P.: AMNH: 2 [2 - **2**] - 13 July 1996: Lunde, Darrin P.: AMNH: 2 [2 - **2**] - 14 July 1996: Lunde, Darrin P.: AMNH: 2 [2 - **2**] - 15 July 1996: Lunde, Darrin P.: AMNH: 12 [12 - **12**] - 16 July 1996: Lunde, Darrin P.: AMNH: 1 [1 - **1**] - 19 July 1996: Lunde, Darrin P.: AMNH: 1 [1 - **1**] - 20 July 1996: Lunde, Darrin P.: AMNH: 1 [1 - **1** - **24**].
Maramagambo Forest Reserve South: 27 October 1994: Harney, Barbara A.: FMNH: 1 [1 - **1**] - 28 October 1994: Harney, Barbara A.: FMNH: 1 [1 - **1** - **2**].
Masaka district: 3 October 1975: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Masindi: Collection Date Unknown: Brooks, A.C.: BMNH: 1 [1 - **1**] - 7 June 1920: Raven, Henry Cushier: USNM: 1 [1 - **1**] - 22 March 1927: Zimmer, John Todd: FMNH: 1 [1 - **1**] - 28 September 1957: Brooks, A.C.: BMNH: 1 [1 - **1**] - 1 December 1960: Williams, John George: ROM: 5 [5 - **5**] - 23 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 2 [2 - **2**] - 24 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1** - **12**].
Masindi district: 30 June 1970: ?: Collector Unknown: SMF: 1 [1 - **1** - **1**].
Masindi, near: 9 January 1966: Williams, John George; Glen, Robert M.: ROM: 1 [1 - **1**] - 1 November 1966: Williams, John George: ROM: 1 [1 - **1**] - 25 June 1968: Williams, John George; *et al.*: ROM: 1 [1 - **1**] - 17 November 1969: Williams: ROM: 1 [1]; Williams, John George: ROM: 1 [1 - **2**] - 30 November 1969: Williams, John George: ROM: 1 [1 - **1**] - 2 October 1970: Williams, John George: ROM: 1 [1 - **1**] - 3 October 1970: Williams, John George: ROM: 2 [2 - **2**] - 4 October 1970: Williams, John George: ROM: 1 [1 - **1** - **10**].
Mbale: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Jones, Theo Simpson; Shepherd, C.: BMNH: 3 [3 - **4**] - 12 April 1943: Hopkins, G.H.E.: AMNH: 3 [3 - **3**] - 11 March 1965: Loder or Lorder: BMNH: 1 [1 - **1**] - 29 March 1965: Loder or Lorder: BMNH: 1 [1 - **1**] - 5 April 1965: Loder or Lorder: BMNH: 1 [1 - **1**] - 20 January 1993: Ugandan forestry department, The: FMNH: 2 [2 - **2** - **12**].
Mbarara: 23 May 1960: Brooks, A.C.; Mills, J.R.F.: BMNH: 1 [1 - **1** - **1**].
Mengo: 10 December 1897: Jackson, F.J.: BMNH: 1 [1 - **1** - **1**].
Metu: 1 August 1962: Jones, Theo Simpson: ROM: 3 [3 - **3**] - 1 August 1963: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 9 August 1990: Kityo, Robert N.: FMNH: 2 [2 - **2**] - 10 August 1990: Kityo, Robert N.: FMNH: 12 [12 - **12**] - 11 August 1990: Kityo, Robert N.: FMNH: 1 [1 - **1** - **19**].
Metu Rest Camp: 1 August 1962: Jones, Theo Simpson: BMNH: 9 [9]; Williams, John George: ROM: 2 [2 - **11** - **11**].
Mihunga: 1 January 1939: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Minunga: 12 January 1939: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Miveya: 1 February 1958: Longhurst, William M.: MVZ: 1 [1 - **1** - **1**].
Mongiro: Collection Date Unknown: : LACM: 4 [4]; Glen, Robert M.: LACM: 2 [2 - **6**] - 4 November 1968: Williams, A.: LACM: 1 [1 - **1** - **7**].

Moroto: Collection Date Unknown: Cosins: BMNH: 1 [1 - **1**] - 31 March 1960: Brooks, A.C.: BMNH: 1 [1 - **1** - **2**].
Moruita: 5 March 1959: Brooks, A.C.: BMNH: 1 [1 - **1** - **1**].
Mount Debasien: 13 November 1933: Loveridge, Arthur: MCZ: 1 [1 - **1** - **1**].
Mount Elgon: Collection Date Unknown: ?: Collector Unknown: BMNH: 8 [8]; : BMNH: 8 [8 - **16**] - 16 September 1909: Kemp, Robin: BMNH: 1 [1 - **1** - **17**].
Mount Moroto: 20 October 1969: Williams, John George: ROM: 12 [12 - **12** - **12**].
Mount Ruwenzori: 13 March 1906: Daut, M.: USNM: 1 [1 - **1** - **1**].
Mount Wati: 13 September 1966: Maclure, J.P.: ROM: 14 [14 - **14** - **14**].
Moyo: Collection Date Unknown: Jones, Theo Simpson: BMNH: 1 [1 - **1**] - 1 January 1962: Jones, Theo Simpson: ROM: 1 [1 - **1** - **2**].
Moyo, 10 mi [=16 km] E: 26 November 1969: ?: Collector Unknown: ROM: 2 [2]; Williams: ROM: 4 [4]; Williams, John George: ROM: 7 [7 - **13**] - 27 November 1969: ?: Collector Unknown: ROM: 1 [1]; Williams: ROM: 1 [1]; Williams, John George: ROM: 8, SMF: 1 [9 - **11** - **24**].
Moyo, near: 1 January 1962: Jones, Theo Simpson: ROM: 11 [11 - **11** - **11**].
Mubende: 7 July 1958: Cottrell, G. William: MCZ: 2 [2 - **2** - **2**].
Mubuk river, right bank: 19 April 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **1**].
Mubuku - Mahoma River confluence, above: 22 November 1990: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 24 November 1990: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 25 November 1990: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 26 November 1990: Stanley, William ("Bill") T.: FMNH: 14 [14 - **14**] - 27 November 1990: Stanley, William ("Bill") T.: FMNH: 6 [6 - **6**] - 28 November 1990: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 29 November 1990: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 30 November 1990: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2** - **30**].
Mubuku Valley: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Mulanda: 5 June 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 16 June 1970: Hawkins, James D.: CAS: 2 [2 - **2**] - 17 June 1970: Hawkins, James D.: CAS: 2 [2 - **2**] - 18 June 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 24 June 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 25 June 1970: Hawkins, James D.: CAS: 1 [1 - **1** - **8**].
Murchinson Falls: 1 August 1958: ?: Collector Unknown: CAS: 2 [2 - **2** - **2**].
Murchison Falls: Collection Date Unknown: ?: Collector Unknown: CAS: 2 [2 - **2** - **2**].
Murchison Falls-NP [= Murchison Falls Park]: 1 September 1966: Williams, John George: ROM: 1 [1 - **1** - **1**].
Mwela: Collection Date Unknown: Archer, A.L.: LACM: 5 [5 - **5**] - 10 December 1967: Archer, A.L.: LACM: 4 [4 - **4** - **9**].
Mweya: 21 January 1958: Longhurst, William M.: MVZ: 1 [1 - **1**] - 24 January 1958: Longhurst, William M.: MVZ: 2 [2 - **2**] - 14 July 1958: Cottrell, G. William: MCZ: 4 [4 - **4**] - 30 October 1959: Poppleton, F.: HZM: 2 [2 - **2**] - 27 November 1960: Williams, John George: AMNH: 1 [1 - **1**] - 10 July 1967: Williams, John George: ROM: 1 [1 - **1**] - 25 November 1970: Williams, John George: AMNH: 1 [1 - **1**] - 26 November 1970: Williams, John George: AMNH: 6 [6 - **6** - **18**].
Nabea: 9 July 1920: Raven, Henry Cushier: USNM: 1 [1 - **1**] - 11 July 1920: Raven, Henry Cushier: USNM: 13 [13 - **13**] - 12 July 1920: Raven, Henry Cushier: USNM: 6 [6 - **6**] - 13 July 1920: Raven, Henry Cushier: USNM: 9 [9 - **9**] - 14 July 1920: Raven, Henry Cushier: USNM: 5 [5 - **5** - **34**].
Nabumali: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; Loder or Lorder: BMNH: 1 [1 - **2**] - 11 January 1965: Loder or Lorder: BMNH: 1 [1 - **1**] - 29 March 1965: Loder or Lorder: BMNH: 1 [1 - **1** - **4**].
Namagunga, Buganda: 30 January 1966: Jolly, Clifford J.: ROM: 22 [22 - **22**] - 7 March 1966: Jolly, Clifford J.: ROM: 1 [1 - **1**] - 10 March 1966: Jolly, Clifford J.: ROM: 1 [1 - **1** - **24**].
Namulere: 5 May 1963: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].
Namulonge: 4 December 1965: Jolly, Clifford J.: ROM: 12 [12 - **12**] - 16 March 1966: Jolly, Clifford J.: ROM: 1 [1 - **1** - **13**].
Navtakwai: 1 June 1963: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].
near Arua: 8 June 1966: Maclure, J.P.: ROM: 3 [3 - **3**] - 1 July 1966: Maclure, J.P.: ROM: 2 [2 - **2**] - 4 July 1966: Maclure, J.P.: ROM: 3 [3 - **3**] - 5 July 1966: Maclure, J.P.: ROM: 3 [3 - **3**] - 6 July 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 7 July 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 8 July 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 9 July 1966: Maclure, J.P.: ROM: 2 [2 - **2**] - 10 July 1966: Maclure, J.P.: ROM: 2 [2 - **2**] - 11 July 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 13 July 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 11 August 1966: Maclure, J.P.: ROM: 1 [1 - **1**] - 12 August 1966: Maclure, J.P.: ROM: 3 [3 - **3** - **24**].
Ngogo: 4 March 2013: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 6 March 2013: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 9 March 2013: ?: Collector Unknown: FMNH: 1 [1 - **1**] - 10 March 2013: ?: Collector Unknown: FMNH: 4 [4 - **4**] - 11 March 2013: ?: Collector Unknown: FMNH: 8 [8 - **8**] - 12 March 2013: ?: Collector Unknown: FMNH: 26 [26 - **26** - **41**].
Ngongera, Bukedi, Pope Pious X Seminary: 24 March 1971: Hawkins, James D.: ROM: 4 [4 - **4** - **4**].
Ngora: 1 March 1949: Bradley, J.C.: CUMV: 1 [1 - **1** - **1**].
Ngoto Swamp: 15 March 1997: Kerbis Peterhans, Julian C.: FMNH: 6 [6 - **6**] - 16 March 1997: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 17 March 1997: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 18 March 1997: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2** - **11**].
Nimule: 16 March 1950: Queeny, Edgar M.: AMNH: 19 [19 - **19** - **19**].
Nimule, near: 1 January 1951: Witter, Dean: CAS: 1 [1 - **1** - **1**].
no specific locality: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1 - **1** - **1**].
Ntandi: Collection Date Unknown: ?: Collector Unknown: LACM: 1 [1]; : LACM: 26 [26]; Glen, Robert M.: LACM: 3 [3]; Williams, R.; Glen, Robert M.: LACM: 1 [1 - **31**] - 17 July 1967: : LACM: 2 [2 - **2**] - 27 July 1967: Archer, A.L.: LACM: 1 [1 - **1**] - 7 November 1968: Williams, A.: LACM: 1 [1 - **1**] - 8 November 1968: Williams, A.: LACM: 1 [1 - **1**] - 15 November 1968: Williams, John George: ROM: 1 [1 - **1** - **37**].
Ntandi, W: 20 November 1968: : LACM: 1 [1 - **1** - **1**].
Nteko Parish: 15 May 1997: Kerbis Peterhans, Julian C.: FMNH: 1 [1]; Kityo, Robert N.: FMNH: 1 [1 - **2**] - 16 May 1997: Kerbis Peterhans, Julian C.: FMNH: 2 [2]; Kityo, Robert N.: FMNH: 2 [2 - **4**] - 17 May 1997: Kityo, Robert N.: FMNH: 7 [7 - **7**] - 18 May 1997: Kityo, Robert N.: FMNH: 7 [7 - **7**] - 19 May 1997: Kityo, Robert N.: FMNH: 10 [10 - **10**] - 20 May 1997: Kityo, Robert N.: FMNH: 4 [4 - **4**] - 21 May 1997: Kityo, Robert N.: FMNH: 10 [10 - **10**] - 22 May 1997: Kityo, Robert N.: FMNH: 9 [9 - **9** - **53**].
Ntorako: 1 August 1963: : LACM: 1 [1 - **1** - **1**].
Nyabirongo: 24 August 1965: Waddell, Keith M.: ROM: 1 [1 - **1**] - 28 October 1965: Waddell, Keith M.: ROM: 1 [1 - **1**] - 2 August 1966: Waddell, Keith M.: ROM: 1 [1 - **1**] - 4 August 1966: Waddell, Keith M.: ROM: 2 [2 - **2**] - 6 August 1966: Waddell, Keith M.: ROM: 2 [2 - **2**] - 9 August 1966: Waddell, Keith M.: ROM: 1 [1 - **1**] - 11 August 1966: Waddell, Keith M.: ROM: 1 [1 - **1**] - 12 August 1966: Waddell, Keith M.: ROM: 2 [2 - **2**] - 13 August 1966: Waddell, Keith M.: ROM: 3 [3 - **3** - **14**].
Nyabitaba Hut: 5 June 1967: Glen, Robert M.; Williams, A.: LACM: 1 [1 - **1**] - 4 December 1990: Stanley, William ("Bill") T.: FMNH: 3 [3 - **3**] - 5 December 1990: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 7 December 1990: Stanley, William

("Bill") T.: FMNH: 1 [1 - **1**] - 9 December 1990: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 11 December 1990: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 19 April 1991: Kerbis Peterhans, Julian C.: FMNH: 2 [2 - **2**] - 20 April 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1**] - 22 April 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **13**].

Nyabyeya Forestry College: 5 June 1998: Chupasko, Judith (Judy) Marie: FMNH: 1 [1 - **1**] - 6 June 1998: Kityo, Robert N.: FMNH: 1 [1 - **1**] - 7 June 1998: Kityo, Robert N.: FMNH: 1 [1 - **1**] - 11 June 1998: Kityo, Robert N.: FMNH: 2 [2 - **2**] - 12 June 1998: ATBP Mammal Team: MCZ: 2 [2]; Chupasko, Judith (Judy) Marie: FMNH: 2 [2]; Kityo, Robert N.: FMNH: 3 [3 - **7**] - 13 June 1998: ATBP Mammal Team: MCZ: 1 [1]; Chupasko, Judith (Judy) Marie: FMNH: 2 [2]; Kityo, Robert N.: FMNH: 6 [6]; Kityo, Robert N.; ATBP Mammal Team: MCZ: 1 [1 - **10**] - 14 June 1998: Kityo, Robert N.: FMNH: 1 [1 - **1**] - 15 June 1998: Kityo, Robert N.: FMNH: 3 [3 - **3**] - 16 June 1998: Kityo, Robert N.: FMNH: 8 [8]; Kityo, Robert N.; ATBP Mammal Team: MCZ: 1 [1 - **9**] - 19 June 1998: Kityo, Robert N.: FMNH: 2 [2 - **2**] - 20 June 1998: Kisakye, John Joseph: MCZ: 1 [1]; Kityo, Robert N.: FMNH: 1 [1 - **2**] - 23 June 1998: Kityo, Robert N.: FMNH: 4 [4]; Kityo, Robert N.; Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **5**] - 24 June 1998: Kityo, Robert N.: FMNH: 1 [1 - **1** - **45**].

Nyabyeya Forestry College, 0.5 km SE: 13 June 1998: Chupasko, Judith (Judy) Marie; ATBP Mammal Team: MCZ: 1 [1 - **1** - **1**].

Nyafungo Nature Reserve: 13 June 1998: ATBP Mammal Team: MCZ: 2 [2 - **2**] - 15 June 1998: ATBP Mammal Team: MCZ: 1 [1 - **1**] - 16 June 1998: ATBP Mammal Team: MCZ: 1 [1 - **1**] - 17 June 1998: Willard, David E.: MCZ: 1 [1 - **1**] - 24 June 1998: Willard, David E.: MCZ: 1 [1 - **1**] - 27 June 1998: Solomon, M.T.: FMNH: 1 [1 - **1** - **7**].

Nyanga: 1 July 1908: Bayon, E.: RMCA: 4 [4 - **4** - **4**].

Nyanugasani River: 17 May 1958: Kibwana, V.; Longhurst, William M.: MVZ: 1 [1 - **1**] - 18 May 1958: Kibwana, V.; Longhurst, William M.: MVZ: 1 [1 - **1** - **2**].

Nyero: 13 May 1971: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Old Entebbe: 4 July 1963: Jones, Theo Simpson: ROM: 1 [1 - **1** - **1**].

Omubiyanja Swamp: 27 February 1997: Kerbis Peterhans, Julian C.: FMNH: 12 [12 - **12**] - 1 March 1997: Kerbis Peterhans, Julian C.: FMNH: 3 [3 - **3**] - 2 March 1997: Kerbis Peterhans, Julian C.: FMNH: 10 [10 - **10** - **25**].

Oshikango: 17 May 1958: Leech, Robin E.; Ross, Edward S.: CAS: 4 [4 - **4** - **4**].

Pajule: Collection Date Unknown: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].

Paraa: 26 January 1967: Williams, John George: ROM: 1 [1 - **1** - **1**].

Point Alice: Collection Date Unknown: Johnston, Harry H.: BMNH: 1 [1 - **1** - **1**].

Pope Pius X Seminary: Collection Date Unknown: Hawkins, James D.: CAS: 6 [6 - **6**] - 28 March 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 29 March 1970: Hawkins, James D.; Van der Vegten, J.: ZMA: 23 [23 - **23**] - 27 August 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 24 March 1971: Hawkins, James D.: CAS: 1 [1 - **1** - **32**].

Queen Elizabeth National Park: 28 August 1963: Start, Anthony N.: WAM: 1 [1 - **1** - **1**].

Rhino Camp: 10 January 1910: Loring, John Alden: USNM: 1 [1 - **1**] - 11 January 1910: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 12 January 1910: Mearns, Edgar Alexander: USNM: 4 [4 - **4**] - 13 January 1910: Loring, John Alden: USNM: 4 [4 - **4**] - 14 January 1910: Mearns, Edgar Alexander: USNM: 2 [2 - **2**] - 16 January 1910: Mearns, Edgar Alexander: USNM: 1 [1 - **1**] - 20 January 1910: Mearns, Edgar Alexander: USNM: 8 [8 - **8**] - 21 January 1910: Mearns, Edgar Alexander: USNM: 3 [3 - **3**] - 25 January 1910: Loring, John Alden: USNM: 23 [23]; Mearns, Edgar Alexander: USNM: 1 [1 - **24**] - 2 February 1910: Loring, John Alden: USNM: 1 [1 - **1**] - 28 March 1927: Zimmer, John Todd: FMNH: 3 [3 - **3**] - 31 March 1927: Zimmer, John Todd: FMNH: 1 [1 - **1** - **53**].

Ruhiza: 5 February 1997: Hayward, Bruce Joliffe: FMNH: 6 [6 - **6**] - 6 February 1997: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **7**].

Ruhiza: 23 November 1970: Williams, John George: AMNH: 21 [21 - **21** - **21**].

Ruhizha: Collection Date Unknown: Williams, A.: LACM: 9 [9 - **9** - **9**].

Ruhizha area: Collection Date Unknown: Glen, Robert M.: LACM: 2 [2 - **2**] - 11 March 1967: Archer, A.L.: LACM: 1 [1 - **1**] - 19 March 1967: Williams, A.: LACM: 3 [3 - **3**] - 19 June 1971: Kingdon, Jonathan: HZM: 1 [1 - **1** - **7**].

Ruwenzori: Collection Date Unknown: Dent, R.E.: BMNH: 1 [1 - **1** - **1**].

Ruwenzori East: Collection Date Unknown: Eisentraut, Martin: BMNH: 5 [5]; Rosenberg: RMCA: 9 [9 - **14**] - 20 January 1906: Rosenberg: RMCA: 1 [1 - **1**] - 21 January 1906: Rosenberg: RMCA: 1 [1 - **1**] - 22 January 1906: Rosenberg: RMCA: 1 [1]; Woosnam, R.B.: USNM: 1 [1 - **2**] - 13 March 1906: Dent, R.E.: BMNH: 1 [1 - **1** - **19**].

Ruwenzori SE: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; Dent, R.E.: BMNH: 3 [3]; Rosenberg: RMCA: 5 [5 - **10**] - 11 May 1906: Woosnam, R.B.: BMNH: 1 [1 - **1**] - 17 June 1906: Dent, R.E.: BMNH: 1 [1 - **1** - **12**].

Rwenzori Mountains: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Rwenzori Mts, Mubuku River, river bank, above confll Kyoha River: 11 November 1990: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 14 November 1990: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 15 November 1990: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 16 November 1990: Stanley, William ("Bill") T.: FMNH: 2 [2 - **2**] - 17 November 1990: Stanley, William ("Bill") T.: FMNH: 1 [1 - **1**] - 13 April 1991: Kerbis Peterhans, Julian C.: FMNH: 1 [1 - **1** - **7**].

Sebei: 7 December 1933: Loveridge, Arthur: MCZ: 2 [2 - **2** - **2**].

Sebei College, cave 1 mi [= 1.6 km] SW: 29 September 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 4 October 1971: Hawkins, James D.: CAS: 1 [1 - **1** - **3**].

Sebei College, cave 2 mi [= 3.2 km] SW: 29 September 1971: Hawkins, James D.: CAS: 1 [1 - **1** - **1**].

Semliki flats: 14 November 1969: Williams, John George: ROM: 1 [1 - **1** - **1**].

Semliki Game Reserve: 1 September 1957: ?: Collector Unknown: BRTC: 1 [1 - **1** - **1**].

Serere: Collection Date Unknown: Jones, Theo Simpson: BMNH: 1 [1 - **1** - **1**].

Serere Agricultural Research Station: 13 May 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 14 May 1971: Hawkins, James D.: CAS: 2 [2 - **2** - **3**].

Sipi: 18 December 1933: Loveridge, Arthur: MCZ: 6 [6 - **6**] - 21 December 1933: Loveridge, Arthur: MCZ: 6 [6 - **6**] - 23 December 1933: Loveridge, Arthur: MCZ: 1 [1 - **1** - **13**].

Sipi cave: 28 July 1963: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 30 November 1970: Hawkins, James D.: ROM: 12 [12 - **12** - **13**].

Sonsor river: 18 June 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1**] - 19 June 1968: ?: Collector Unknown: ROM: 5 [5]; Shortt, Terence Michael; Williams, A.E.: ROM: 11 [11]; Williams, John George: ROM: 1 [1]; Williams, John George; *et al.*: ROM: 2 [2]; Williams, John George; Shortt, Terence Michael: ROM: 7 [7 - **26**] - 20 June 1968: Shortt, Terence Michael; Williams, A.E.: ROM: 6 [6 - **6**] - 19 September 1968: Williams, John George; Shortt, Terence Michael: ROM: 1 [1 - **1** - **34**].

Soroti: 1 June 1952: Williams, J.C.: FMNH: 2 [2]; Williams, John George: FMNH: 2 [2 - **4**] - 5 February 1966: ?: Collector Unknown: ROM: 7 [7]; Williams, John George: ROM: 9 [9 - **16** - **20**].

Soroti, 25 mi [= 40 km] N: 10 June 1946: Cade, C.E.: FMNH: 11 [11 - **11**] - 24 April 1949: Cade, C.E.: FMNH: 1 [1 - **1** - **12**].
Soweh Island: 15 January 1891: Emin Pascha / Pasha / Bey: ZMB: 1 [1 - **1** - **1**].
Sukuli Hills: 13 April 1970: Hawkins, James D.: ROM: 41 [41 - **41**] - 16 April 1970: Hawkins, James D.: ROM: 2 [2 - **2**] - 13 May 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 14 May 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 15 May 1970: Hawkins, James D.: CAS: 2 [2 - **2**] - 16 May 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 19 May 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 28 May 1970: Hawkins, James D.: CAS: 2, ROM: 14 [16 - **16**] - 1 September 1970: Hawkins, James D.: ROM: 2 [2 - **2**] - 2 September 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 6 September 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 1 October 1970: Hawkins, James D.: CAS: 3, ROM: 4 [7 - **7**] - 2 October 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 5 November 1970: Hawkins, James D.: CAS: 2 [2 - **2**] - 12 November 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 13 November 1970: Hawkins, James D.: CAS: 1, ROM: 4 [5 - **5**] - 18 November 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 10 February 1971: Hawkins, James D.: ROM: 7 [7 - **7**] - 16 February 1971: Hawkins, James D.: CAS: 2, ROM: 4 [6 - **6**] - 18 February 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 20 February 1971: Hawkins, James D.: ROM: 2 [2 - **2**] - 24 February 1971: Hawkins, James D.: ROM: 6 [6 - **6**] - 1 March 1971: Hawkins, James D.: CAS: 6 [6 - **6**] - 2 March 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 3 March 1971: Hawkins, James D.: ROM: 8 [8 - **8**] - 14 March 1971: Hawkins, James D.: CAS: 3 [3 - **3**] - 15 March 1971: Hawkins, James D.: CAS: 2, ROM: 7 [9 - **9**] - 16 March 1971: Hawkins, James D.: CAS: 4 [4 - **4**] - 19 March 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 23 March 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 27 March 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 27 April 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 5 May 1971: Hawkins, James D.: CAS: 6, ROM: 8 [14 - **14**] - 6 May 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 10 July 1971: Hawkins, James D.: ROM: 3 [3 - **3**] - 8 August 1971: Hawkins, James D.: CAS: 2 [2 - **2** - **165**].
Sukulu Hill: Collection Date Unknown: : NMK: 2 [2 - **2** - **2**].
Taken 20 mi S of East of Center of Albert N: 2 May 1911: Akeley, Carl Ethan: AMNH: 1 [1 - **1** - **1**].
Tende: 18 May 1990: Kityo, Robert N.: FMNH: 5 [5 - **5**] - 19 May 1990: Kityo, Robert N.: FMNH: 2 [2 - **2**] - 20 May 1990: Kityo, Robert N.: FMNH: 8 [8 - **8**] - 21 May 1990: Kityo, Robert N.: FMNH: 2 [2 - **2**] - 22 May 1990: Kityo, Robert N.: FMNH: 1 [1 - **1** - **18**].
Teso: 29 June 1971: Hawkins, James D.: ROM: 12 [12 - **12**] - 30 June 1971: Hawkins, James D.: ROM: 30 [30 - **30**] - 1 July 1971: Hawkins, James D.: ROM: 2 [2 - **2**] - 2 July 1971: Hawkins, James D.: ROM: 1 [1 - **1**] - 3 July 1971: Hawkins, James D.: ROM: 3 [3 - **3** - **48**].
Toro: Collection Date Unknown: ?: Collector Unknown: MIZT: 1 [1 - **1**] - 26 July 1926: Chapin, James Paul; Sage, Dewitt L.; Mathews, Frank P.; Ruwenzori-Kivu Expedition, The: AMNH: 1 [1 - **1**] - 1 November 1945: Williams, John George: ROM: 2 [2 - **2**] - 27 November 1957: Foster, J.B.; Bateman, R.M.: ROM: 1 [1 - **1**] - 1 July 1958: Williams, John George: ROM: 1 [1 - **1**] - 17 January 1966: Williams: ROM: 1 [1 - **1**] - 24 January 1966: Williams, John George: ROM: 1 [1 - **1**] - 25 January 1966: Glen, Robert M.: ROM: 6 [6 - **6** - **14**].
Tororo: 22 March 1970: Hawkins, James D.: ROM: 13 [13 - **13**] - 25 March 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 9 November 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 10 November 1970: Hawkins, James D.: CAS: 1 [1 - **1**] - 11 November 1970: Hawkins, James D.: CAS: 2 [2 - **2**] - 17 March 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 18 March 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 25 March 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 24 July 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 26 July 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 27 July 1971: Hawkins, James D.: CAS: 3 [3 - **3**] - 28 July 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 1 September 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 7 September 1971: Hawkins, James D.: CAS: 2, ROM: 1 [3 - **3**] - 8 September 1971: Hawkins, James D.: CAS: 1 [1 - **1**] - 11 September 1971: Hawkins, James D.: CAS: 2 [2 - **2**] - 1 October 1971: Hawkins, James D.: CAS: 3 [3 - **3**] - 12 November 1971: Hawkins, James D.: CAS: 1 [1 - **1** - **43**].
Tororo, 10 km SSW: 4 June 1970: Hawkins, James D.: ROM: 1 [1 - **1**] - 6 July 1970: Hawkins, James D.: ROM: 3 [3 - **3**] - 7 July 1970: Hawkins, James D.: ROM: 12 [12 - **12**] - 8 July 1970: Hawkins, James D.: ROM: 6 [6 - **6**] - 9 July 1970: Hawkins, James D.: ROM: 9 [9 - **9**] - 10 July 1970: Hawkins, James D.: ROM: 9 [9 - **9**] - 20 July 1970: Hawkins, James D.: ROM: 1 [1 - **1**] - 10 September 1970: Hawkins, James D.: ROM: 2 [2 - **2** - **43**].
Tororo, 64 km SW: 9 September 1963: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Turkwell River: Collection Date Unknown: Rift Valley Expedition, The: BMNH: 1 [1 - **1** - **1**].
V.R.I.: 12 June 1951: Buxton, A.P.: AMNH: 1 [1 - **1**] - 19 June 1951: Buxton, A.P.: AMNH: 1 [1 - **1**] - 25 June 1951: Buxton, A.P.: AMNH: 1 [1 - **1** - **3**].
Victoria Nyanza [=Lake Victoria]: Collection Date Unknown: Bayon, E.: AMNH: 1 [1 - **1**] - 1 January 1908: ?: Collector Unknown: SMF: 1 [1 - **1** - **2**].
Waisoke river: 15 June 1968: ?: Collector Unknown: ROM: 3 [3]; Shortt, Terence Michael; Williams, A.E.: ROM: 1 [1]; Williams, John George; Shortt, Terence Michael: ROM: 8 [8 - **12** - **12**].
Wandegeya: 1 October 1962: ?: Collector Unknown: OMNH: 1 [1 - **1** - **1**].
Wasa River: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3 - **3**] - 19 February 1930: de Walden, Howard; Hayman, Robert William: BMNH: 1 [1 - **1** - **4**].
West Madi: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3 - **3** - **3**].
West Mengo: 5 May 1963: Jones, Theo Simpson: ROM: 1 [1 - **1**] - 1 June 1963: Jones, Theo Simpson: ROM: 1 [1 - **1** - **2**].
Yumbe: Collection Date Unknown: ?: Collector Unknown: ZMB: 1 [1]; Jones, Theo Simpson: BMNH: 1 [1]; Schillings: ZMB: 1 [1 - **3** - **3**].
Zika: 22 February 1971: ?: Collector Unknown: AMS: 1 [1 - **1** - **1**].

Total Specimens for Uganda: 3388

Yemen

no specific locality: 1 January 1837: MNHN: 1 [1 - **1** - **1**].

Total Specimens for Yemen: 1

Zambia

Unknown locality: Collection Date Unknown: BMNH: 285, SMF: 17, TM: 3 [305]; Black, Hal L.: HZM: 1 [1 - **306**] - 1 January 1930: Reade, H.O.: FMNH: 2 [2 - **2**] - 1 June 1982: ?: Collector Unknown: QM: 1 [1 - **1**] - 7 October 1982: ?: Collector Unknown: QM: 1 [1 - **1**] - 9 October 1982: ?: Collector Unknown: QM: 3 [3 - **3**] - 12 October 1982: ?: Collector Unknown:

QM: 1 [1 - **1**] - 8 October 1989: ?: Collector Unknown: SMF: 1 [1 - **1**] - 11 October 1989: ?: Collector Unknown: SMF: 2 [2 - **2**] - 16 October 1989: ?: Collector Unknown: SMF: 1 [1 - **1**] - 1 November 1999: ?: Collector Unknown: SMF: 2 [2 - **2** - **320**].

Abercorn: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, HZM: 2 [3]; : BMNH: 6, HZM: 5, KM: 4 [15]; Bredo, H.J.: RBINS: 1 [1 - **19**] - 1 December 1943: Lancaster, D. Gordon: KM: 1 [1 - **1**] - 5 February 1948: Bredo, H.J.: RBINS: 1 [1 - **1**] - 5 January 1953: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1**] - 24 April 1954: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1**] - 18 December 1957: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1**] - 29 September 1958: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1**] - 14 November 1958: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1**] - 1 December 1958: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1**] - 6 April 1964: Vesey-FitzGerald, Leslie Desmond Edward Foster: BMNH: 1 [1 - **1**] - 11 October 1967: Matthes: RMCA: 1 [1 - **1** - **29**].

Baiovale [= Zambezi]: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].

Balovale: Collection Date Unknown: ?: Collector Unknown: BMNH: 6, KM: 18, MMK: 1 [25]; : KM: 5 [5]; Carter, T. Donald; Shortridge, Guy Chester (Captain); Vernay Kaffrarian Museum Expedition, The: KM: 1 [1]; Shortridge, Guy Chester: KM: 1 [1 - **32**] - 16 July 1936: Jones; Vaughan, T.G.C.: BMNH: 1 [1 - **1**] - 12 July 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 24 August 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 2 September 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 5 September 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 16 September 1938: Carter, T. Donald; Shortridge, Guy Chester (Captain); Vernay Kaffrarian Museum Expedition, The: KM: 1 [1 - **1**] - 20 September 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 21 September 1938: Carter, T. Donald: AMNH: 3 [3 - **3**] - 23 September 1938: Carter, T. Donald: AMNH: 4 [4 - **4**] - 24 September 1938: Carter, T. Donald: AMNH: 10 [10 - **10**] - 25 September 1938: Carter, T. Donald: AMNH: 15 [15 - **15**] - 26 September 1938: Carter, T. Donald: AMNH: 4 [4 - **4**] - 28 September 1938: Carter, T. Donald; Shortridge, Guy Chester (Captain); Vernay Kaffrarian Museum Expedition, The: KM: 1 [1 - **1**] - 30 September 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 1 October 1938: : AMNH: 7 [7 - **7**] - 2 October 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 3 October 1938: : AMNH: 4 [4]; Carter, T. Donald: AMNH: 2 [2 - **6**] - 5 October 1938: : AMNH: 3 [3]; Carter, T. Donald: AMNH: 1 [1 - **4**] - 6 October 1938: : AMNH: 1 [1]; Carter, T. Donald: AMNH: 8 [8 - **9**] - 8 October 1938: Carter, T. Donald: AMNH: 7 [7 - **7**] - 9 October 1938: : AMNH: 1 [1]; Carter, T. Donald: AMNH: 9, HZM: 1 [10 - **11**] - 10 October 1938: Carter, T. Donald: AMNH: 1 [1]; Carter, T. Donald; Shortridge, Guy Chester (Captain); Vernay Kaffrarian Museum Expedition, The: SMF: 1 [1 - **2**] - 11 October 1938: : AMNH: 6 [6 - **6**] - 12 October 1938: : AMNH: 2 [2]; Carter, T. Donald: AMNH: 6 [6]; Shortridge, Guy Chester; Carter, T. Donald: NMZL: 1 [1 - **9**] - 13 October 1938: Carter, T. Donald: AMNH: 3 [3 - **3**] - 16 October 1938: Carter, T. Donald: AMNH: 2 [2 - **2**] - 3 March 1959: Ansell, William Frank Harding: BMNH: 2 [2 - **2** - **146**].

between Livingstone and Lochinvar: 12 May 1971: Bowden, G.; Sayer, J.A.: NMZL: 1 [1 - **1** - **1**].

Blue Lagoon Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 6 September 1967: Scheppe, W.: BMNH: 1 [1]; Sheppe, Walter A.: CAS: 1 [1 - **2**] - 9 September 1967: Sheppe, Walter A.: CAS: 1, HZM: 1 [2 - **2**] - 7 October 1967: Sheppe, Walter A.: CAS: 1 [1 - **1** - **6**].

Broken Hill: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 3 February 1931: Pitman, Charles Robert Senhouse: BMNH: 1 [1 - **1** - **2**].

Bulaya: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1]; Makawa, J.: BMNH: 1 [1 - **2** - **2**].

Bwana Mkubwa: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Cave near Mujimbe Hill: 1 November 1939: White, Charles Matthew Newton: AMNH: 8 [8 - **8** - **8**].

CE Ltd., cave: Collection Date Unknown: Sheppe, Walter A.: CAS: 1 [1 - **1** - **1**].

Chadiza: Collection Date Unknown: : KM: 3 [3 - **3** - **3**].

Chambezi: 6 September 1930: Tose, Frank: CAS: 2 [2 - **2** - **2**].

Chavuma area: Collection Date Unknown: ?: Collector Unknown: HZM: 2, NHMZ: 2 [4 - **4**] - 3 March 1959: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **5**].

Chelston, 2 mi [=3.2 km] N: 22 November 1973: Black, Hal L.: MSB: 2 [2 - **2**] - 24 November 1973: Black, Hal L.: MSB: 2 [2 - **2** - **4**].

Chibembe pontoon, 1/2 mi S: 18 July 1962: Ingles, Jane M.: BMNH: 1 [1 - **1**] - 20 July 1962: Ingles, Jane M.: BMNH: 3 [3 - **3** - **4**].

Chief Chitanda: 14 April 1970: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **1**].

Chief Chlawa's: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Chikore: 1 January 1928: Sandground, Jack Henry: MCZ: 7 [7 - **7** - **7**].

Chikundulu river: 8 January 1962: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Chikwa, Lundazi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].

Chilanga: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, FMNH: 1, NHMZ: 5, NMZL: 1 [8]; Ansell, P.D.H.: AMS: 1 [1]; Benson, Constantine ("Con") Walter: NHMZ: 2 [2]; Lancaster, D. Gordon: KM: 2 [2 - **13**] - 1 November 1913: Wood, Rodney C.: BMNH: 1 [1 - **1**] - 18 July 1960: Ansell, William Frank Harding: RMCA: 1 [1 - **1**] - 15 May 1962: Wilson, Vivian J.: AMNH: 1 [1 - **1**] - 15 January 1963: Wilson, Vivian J.: AMNH: 1 [1 - **1**] - 26 June 1963: Benson, Constantine ("Con") Walter: BMNH: 1 [1 - **1**] - 30 October 1972: Ansell, William Frank Harding: HZM: 1 [1 - **1**] - 15 November 1972: Ansell, William Frank Harding: NMZL: 1 [1 - **1**] - 1 December 1972: Ansell, William Frank Harding: HNHM: 1 [1 - **1**] - 2 November 1973: Ansell, William Frank Harding: HNHM: 1, MSB: 1, ROM: 1 [3 - **3**] - 12 March 1974: Ansell, William Frank Harding: HNHM: 1 [1 - **1** - **25**].

Chilanga Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2 - **2**] - 28 March 1961: ?: Collector Unknown: FMNH: 3 [3]; Brain, C.K.: FMNH: 2 [2]; Hughes, D.L.: USNM: 2 [2 - **7** - **9**].

Chilanga-NR, Chilanga Caves: Collection Date Unknown: ?: Collector Unknown: NHMZ: 8 [8 - **8**] - 28 March 1961: Brain, C.K.: TM: 2 [2 - **2**] - 1 April 1961: ?: Collector Unknown: TM: 2 [2 - **2** - **12**].

Chilwa Island: Collection Date Unknown: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Ching, Chavuma: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Chingi: 14 June 1959: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Chingi, Chavuma: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Chingola: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Chingola, Mushishima Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Chiniyka bay: 12 January 1967: Matthes: RMCA: 1 [1 - **1** - **1**].

Chinzombo: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1**] - 22 September 1972: Ansell, William Frank Harding: SMF: 3 [3 - **3** - **4**].

Chipanga, Chipata: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 27 March 1963: Ansell, William Frank Harding: FMNH: 1 [1 - **1**] - 1 April 1963: Ansell, William Frank Harding: FMNH: 1 [1 - **1**] - 2 April 1963: Ansell, William Frank Harding: FMNH: 1 [1 - **1**] - 6 April 1963: Ansell, William Frank Harding: FMNH: 1 [1 - **1** - **5**].
Chipangali, Chipata: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Chipata: Collection Date Unknown: Lancaster, D. Gordon: BMNH: 1, KM: 4 [5 - **5**] - 1 May 1932: Lancaster, D. Gordon: KM: 1 [1 - **1** - **6**].
Chipengali: 28 March 1963: Wilson, Vivian J.: NHMZ: 1 [1 - **1** - **1**].
Chipengali area: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5]; Wilson, J.: BMNH: 2 [2]; Wilson, Vivian J.: NHMZ: 1 [1 - **8**] - 5 February 1964: Ansell, William Frank Harding: AMNH: 1 [1 - **1**] - 6 February 1964: Wilson, Vivian J.: AMNH: 2 [2 - **2** - **11**].
Chipongwe [see also: Chipongwe West]: 10 August 1963: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].
Chipongwe Cave: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, CAS: 1, NHMZ: 5 [7]; Ansell, William Frank Harding: BMNH: 1, NMZL: 1 [2]; Sheppe, Walter A.: UZMZ: 10 [10 - **19**] - 9 January 1967: Sheppe, Walter A.: CAS: 1 [1 - **1**] - 24 September 1967: ?: Collector Unknown: UZMZ: 1 [1 - **1**] - 14 October 1967: ?: Collector Unknown: BMNH: 2, UZMZ: 2 [4 - **4**] - 22 July 1971: Ansell, William Frank Harding: HNHM: 1, ROM: 10 [11 - **11**] - 1 September 1971: Osborne, T.O.: CAS: 8, TTU: 8 [16 - **16**] - 4 September 1972: Black, Hal L.: MSB: 22 [22 - **22**] - 18 October 1972: Black, Hal L.: MSB: 8 [8 - **8**] - 23 March 1973: Black, Hal L.: MSB: 18 [18 - **18** - **100**].
Chirundu: 17 April 1989: ?: Collector Unknown: WAM: 2 [2]; Siachoono, Stanford M.: WAM: 2 [2 - **4**] - 19 April 1989: ?: Collector Unknown: WAM: 3 [3 - **3**] - 20 April 1989: ?: Collector Unknown: WAM: 3 [3 - **3**] - 21 April 1989: ?: Collector Unknown: WAM: 1 [1 - **1**] - 1 May 1989: ?: Collector Unknown: WAM: 3 [3 - **3**] - 2 May 1989: ?: Collector Unknown: WAM: 1 [1 - **1**] - 3 May 1989: ?: Collector Unknown: WAM: 1 [1 - **1**] - 4 May 1989: ?: Collector Unknown: WAM: 1 [1 - **1** - **17**].
Chisakila Area: 20 April 1989: ?: Collector Unknown: WAM: 5 [5 - **5** - **5**].
Chisela Dambo, Mporokoso: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chishela dambo: Collection Date Unknown: Dalhousie: NHMZ: 1 [1 - **1** - **1**].
Chizera: 8 February 1957: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].
Choma: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 9 November 1973: Ansell, William Frank Harding: MSB: 1, ROM: 1 [2 - **2** - **3**].
Choma district: Collection Date Unknown: Benson, Constantine ("Con") Walter: NHMZ: 2 [2 - **2**] - 15 March 1964: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **3**].
Choma, 12 mi [= 19 km] NW: 25 July 1974: Hayward, Bruce Joliffe: FMNH: 9 [9 - **9**] - 26 July 1974: Hayward, Bruce Joliffe: FMNH: 5 [5 - **5** - **14**].
Confluence of Kafue and Zambezi rivers, Zambezi Farm: 22 April 1989: ?: Collector Unknown: WAM: 5 [5 - **5**] - 23 April 1989: ?: Collector Unknown: WAM: 3 [3 - **3**] - 24 April 1989: ?: Collector Unknown: WAM: 3 [3 - **3**] - 25 April 1989: ?: Collector Unknown: WAM: 2 [2 - **2**] - 26 April 1989: ?: Collector Unknown: WAM: 2 [2 - **2**] - 27 April 1989: ?: Collector Unknown: WAM: 2 [2 - **2**] - 28 April 1989: ?: Collector Unknown: WAM: 3 [3 - **3**] - 29 April 1989: ?: Collector Unknown: WAM: 1 [1 - **1** - **21**].
Copperbelt province: 21 May 2002: ?: Collector Unknown: SMF: 1 [1 - **1**] - 8 June 2002: ?: Collector Unknown: SMF: 2 [2 - **2**] - 1 October 2002: ?: Collector Unknown: SMF: 1 [1 - **1**] - 15 March 2003: ?: Collector Unknown: SMF: 1 [1 - **1** - **5**].
Dzala Cave: 8 April 1961: de Barros Machado, A.: BMNH: 1 [1 - **1** - **1**].
Escape Farm: 1 March 1971: Sayer, J.A.: NMZL: 1 [1 - **1** - **1**].
Farm Xanadu: 18 December 1985: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Fort Jameson: Collection Date Unknown: ?: Collector Unknown: KM: 1, NHMZ: 11 [12]; Ansell, William Frank Harding: NHMZ: 1 [1 - **13**] - 18 January 1963: Wilson, Vivian J.: AMNH: 1 [1 - **1**] - 26 January 1963: Ansell, William Frank Harding: NHMZ: 1 [1 - **1**] - 29 March 1963: ?: Collector Unknown: TM: 1 [1 - **1**] - 24 June 1963: Ansell, William Frank Harding: NHMZ: 1 [1 - **1**] - 18 November 1963: Wilson, Vivian J.: AMNH: 1 [1 - **1**] - 7 March 1964: : NMZL: 1 [1 - **1**] - 8 December 1964: : NMZL: 1 [1 - **1** - **20**].
Fort Jameson [= Chipata]: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4]; : KM: 7 [7 - **11** - **11**].
Fort Jameson [= Chlpata]: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Fort Jameson [=Chipata]: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1]; : KM: 2 [2 - **3** - **3**].
Fort Jameson District: Collection Date Unknown: ?: Collector Unknown: KM: 1, NHMZ: 1 [2]; Lancaster, D. Gordon: KM: 2 [2 - **4**] - 2 December 1963: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **5**].
Fort Roseberry - Lubumbashi, between: 3 March 1968: Prigogine, Alexandre: RMCA: 1 [1 - **1** - **1**].
Hillwood Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Ikelenge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Ikelenge Pedicle between the Sakeji and Zambezi rivers, approximately 11 km NNE of source of Zambezi river, Kavunda: 11 October 1990: Cotterill, F.P.D. [=Woody]: HZM: 1, NHMZ: 2 [3 - **3** - **3**].
in house: Collection Date Unknown: Dowsett, Robert Jack: BMNH: 3 [3 - **3** - **3**].
Ipombe Stream: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Jimbe Stream: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, NMZL: 1 [2 - **2**] - 28 July 1973: Ansell, William Frank Harding: MSB: 1 [1 - **1** - **3**].
Jumbe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1]; Dowsett, Robert Jack: NHMZ: 5 [5 - **6**] - 18 January 1964: Dowsett, Robert Jack: AMNH: 1 [1 - **1** - **7**].
Jumbe river: 27 July 1973: Ansell, P.D.H.: HZM: 1 [1 - **1** - **1**].
Kabompo [=Kabompo Boma]: Collection Date Unknown: ?: Collector Unknown: NHMZ: 9 [9 - **9**] - 30 December 1958: Ansell, William Frank Harding: ROM: 1 [1 - **1**] - 14 November 1959: Ansell, William Frank Harding: RMCA: 1 [1 - **1** - **11**].
Kabompo Boma: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NHMZ: 11 [12 - **12**] - 31 March 1959: Ansell, William Frank Harding: HZM: 1 [1 - **1**] - 1 May 1959: Ansell, William Frank Harding: RMCA: 1 [1 - **1**] - 2 June 1959: Ansell, William Frank Harding: RMCA: 1 [1 - **1**] - 27 November 1959: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **16**].
Kabompo district: 17 December 1958: Mumford, Russell E.: ROM: 1 [1 - **1** - **1**].
Kabompo, NE: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Kabompo, near: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kabulonga: 7 January 1972: : NMZL: 1 [1 - **1**] - 19 January 1973: Tucker, J.J.: HZM: 1 [1 - **1**] - 10 March 1973: Black, Hal L.: HZM: 1 [1 - **1** - **3**].
Kafue: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Kafue Gorge: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, HZM: 12, NHMZ: 7 [20 - **20**] - 13 May 1959: Ansell, William Frank Harding: HZM: 11, RMCA: 2 [13 - **13** - **33**].

Kafue Gorge, near: 13 May 1959: Ansell, William Frank Harding: BMNH: 2 [2 - **2** - **2**].
Kafue National Park: 12 September 1969: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **1**].
Kafue NP, Chunga: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kafue NP, Ngoma: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kafue R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kafue R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kafue River: Collection Date Unknown: Tree, A.J.: NHMZ: 4 [4 - **4**] - 23 February 1963: Tree, A.J.: FMNH: 1 [1 - **1** - **5**].
Kalabo: Collection Date Unknown: Japp, M.: BMNH: 1, NHMZ: 1 [2 - **2**] - 24 December 1963: Hart, R.C.: NMZL: 4 [4 - **4**] - 1 May 1964: Hart: HZM: 1 [1 - **1**] - 25 May 1964: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 4 May 1965: Japp, M.: BMNH: 2 [2 - **2**] - 16 September 1966: Japp, M.: BMNH: 1 [1 - **1**] - 11 October 1973: Ansell, P.D.H.: AMS: 1 [1]; Ansell, William Frank Harding: HNHM: 2, MSB: 1, ROM: 9 [12]; Black, Hal L.: MSB: 1 [1 - **14** - **25**].
Kalene Mission: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kalichero: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4]; Edwards, P.W.: NHMZ: 2 [2 - **6** - **6**].
Kalomo: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Kalomo District: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kalomo R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Kalomo, 24 km E: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kanona, 32 mi NE: Collection Date Unknown: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **1**].
Kanona, 42 mi SW: Collection Date Unknown: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **1**].
Kanyale Stream: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 29 July 1973: Ansell, P.D.H.: HNHM: 1, NMZL: 1 [2 - **2**] - 30 July 1973: Ansell, P.D.H.: AMS: 1, HZM: 1 [2 - **2** - **5**].
Kapongo cave: 21 October 1967: Sheppe, Walter A.: CAS: 1 [1 - **1** - **1**].
Karabe, Lake Tanganylka: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kariba, lake, north shore: Collection Date Unknown: Owen, T.R.H.: NHMZ: 5 [5 - **5** - **5**].
Kasama: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; : KM: 7 [7]; Tait, H.: NHMZ: 1 [1 - **9** - **9**].
Kasama, E: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Kasama, N: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Kasanka National Park: Collection Date Unknown: ?: Collector Unknown: DNSM: 2, NHMZ: 1 [3 - **3** - **3**].
Kasempa: 12 April 1943: Button, E.J.: TM: 1 [1 - **1** - **1**].
Kasempa Boma: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 19 February 1948: Ansell, William Frank Harding: KM: 1 [1 - **1** - **2**].
Kasempa, S: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kasompe camp: 24 July 1959: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].
Kaungashi stream, source of: Collection Date Unknown: Uys, J.M.C.: BMNH: 1 [1 - **1** - **1**].
Kawambwa: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kazungula: 25 September 1930: Vernay-Lang Kalahari Expedition 1930, The: FMNH: 3 [3 - **3** - **3**].
Kilwa Island: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NMZL: 3 [4 - **4**] - 6 May 1973: Ansell, William Frank Harding: HNHM: 1 [1 - **1**] - 16 November 1973: Mill, T.A.: NMZL: 1 [1 - **1** - **6**].
Kituta Bay, LakeTanganyika: 1 May 1944: Lancaster, D. Gordon: KM: 1 [1 - **1** - **1**].
Kongwe Hill: 5 February 1964: Ansell, William Frank Harding: BMNH: 2 [2]; Ansell, William Frank Harding; Wilson, Vivian J.: BMNH: 4 [4 - **6**] - 6 February 1964: Ansell, William Frank Harding: BMNH: 2 [2]; Ansell, William Frank Harding; Wilson, Vivian J.: BMNH: 3 [3 - **5** - **11**].
Kriel cave: 1 August 1972: Black, Hal L.: MSB: 3 [3 - **3**] - 7 August 1972: Black, Hal L.: MSB: 4 [4 - **4**] - 30 August 1972: Black, Hal L.: MSB: 31 [31 - **31**] - 18 September 1972: Black, Hal L.: MSB: 5 [5 - **5**] - 25 September 1972: Black, Hal L.: MSB: 4 [4 - **4**] - 30 September 1972: Black, Hal L.: MSB: 10 [10 - **10**] - 5 October 1972: Black, Hal L.: MSB: 1 [1 - **1**] - 15 October 1972: Black, Hal L.: MSB: 11 [11 - **11**] - 5 December 1972: Black, Hal L.: MSB: 8 [8 - **8**] - 12 December 1972: Black, Hal L.: MSB: 1 [1 - **1**] - 15 December 1972: Black, Hal L.: MSB: 1 [1 - **1**] - 29 December 1972: Black, Hal L.: MSB: 1 [1 - **1**] - 19 February 1973: Black, Hal L.: MSB: 3 [3 - **3**] - 7 July 1973: Black, Hal L.: MSB: 1 [1 - **1**] - 2 August 1973: Black, Hal L.: MSB: 1 [1 - **1**] - 10 September 1973: Black, Hal L.: MSB: 1 [1 - **1**] - 20 September 1973: Black, Hal L.: MSB: 9 [9 - **9**] - 12 October 1973: Black, Hal L.: MSB: 11 [11 - **11**] - 26 October 1973: Black, Hal L.: MSB: 6 [6 - **6**] - 12 November 1973: Black, Hal L.: MSB: 4 [4 - **4**] - 19 November 1973: Black, Hal L.: MSB: 13 [13 - **13**] - 24 November 1973: Black, Hal L.: MSB: 4 [4 - **4**] - 4 December 1973: Black, Hal L.: MSB: 32 [32 - **32**] - 14 December 1973: Black, Hal L.: MSB: 35 [35 - **35**] - 22 December 1973: Black, Hal L.: MSB: 50 [50 - **50**] - 28 December 1973: Black, Hal L.: MSB: 33 [33 - **33**] - 3 January 1974: Black, Hal L.: MSB: 60 [60 - **60**] - 11 January 1974: Black, Hal L.: MSB: 20 [20 - **20**] - 22 January 1974: Black, Hal L.: MSB: 1 [1 - **1**] - 24 January 1974: Black, Hal L.: MSB: 40 [40 - **40** - **404**].
Kunyale Stream: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Leopard's Hill Cave: Collection Date Unknown: ?: Collector Unknown: UZMZ: 1 [1]; Sheppe, Walter A.: UZMZ: 7 [7 - **8**] - 13 December 1967: Sheppe, Walter A.: CAS: 1 [1 - **1**] - 30 December 1967: Sheppe, Walter A.: CAS: 1 [1 - **1** - **10**].
Limulunga: Collection Date Unknown: ?: Collector Unknown: MMK: 2 [2 - **2**] - 12 July 1938: : AMNH: 1 [1]; Carter, T. Donald: AMNH: 1 [1 - **2**] - 13 July 1938: : AMNH: 9 [9]; Carter, T. Donald: AMNH: 15 [15 - **24**] - 14 July 1938: : AMNH: 14 [14 - **14**] - 15 July 1938: : AMNH: 3 [3 - **3**] - 16 July 1938: : AMNH: 3 [3 - **3**] - 17 July 1938: : AMNH: 7 [7 - **7**] - 18 July 1938: : AMNH: 7 [7 - **7**] - 19 July 1938: : AMNH: 12 [12 - **12**] - 20 July 1938: : AMNH: 7 [7 - **7**] - 21 July 1938: : AMNH: 2 [2 - **2**] - 22 July 1938: : AMNH: 4 [4 - **4**] - 24 July 1938: : AMNH: 5 [5 - **5**] - 29 July 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 1 August 1938: Carter, T. Donald: AMNH: 1 [1 - **1**] - 3 August 1938: : AMNH: 1 [1 - **1** - **95**].
Livingston [1752S 2551E] and Lochinvar [1551S 2714E], between: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Livingstone: Collection Date Unknown: ?: Collector Unknown: NMP: 1, NMZL: 2 [3]; : KM: 2 [2 - **5**] - 11 November 1919: Raven, Henry Cushier: USNM: 1 [1 - **1**] - 22 November 1938: : AMNH: 1 [1 - **1**] - 22 December 1963: : NMZL: 1 [1 - **1**] - 4 December 1970: : NMZL: 1 [1 - **1**] - 8 April 1971: : NMZL: 15 [15 - **15**] - 11 July 1988: Whitehead, C.: WAM: 2 [2 - **2**] - 18 July 1988: Whitehead, C.: WAM: 1 [1 - **1**] - 19 July 1988: Whitehead, C.: WAM: 1 [1 - **1**] - 25 July 1988: Whitehead, C.: WAM: 1 [1 - **1** - **29**].
Loangwa valley: 2 March 1908: Neave, S.A.: BMNH: 1 [1 - **1** - **1**].
Lochinvar: Collection Date Unknown: ?: Collector Unknown: NMZL: 6 [6]; : NMZL: 4 [4]; Dowsett, Robert Jack: NMZL: 1 [1 - **11**] - 6 May 1964: Van Noten, Francis: RMCA: 1 [1 - **1**] - 13 February 1970: Dowsett, Robert Jack: NMZL: 2 [2 - **2**] - 7 October 1970: Dowsett, Robert Jack: NMZL: 1 [1 - **1**] - 8 October 1970: Dowsett, Robert Jack: NMZL: 1 [1 - **1**] - 6 January 1971: : NMZL: 1 [1 - **1**] - 25 January 1971: Dowsett, Robert Jack: NMZL: 1 [1 - **1**] - 26 January 1971: Dowsett, Robert Jack:

NMZL: 1 [1 - **1**] - 30 April 1971: Sayer, J.A.: HNHM: 1 [1 - **1**] - 24 March 1972: Dowsett, Robert Jack: NMZL: 1 [1 - **1**] - 24 November 1973: Dowsett, Robert Jack: NMZL: 1 [1 - **1**] - 25 November 1973: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **23**].

Lochinvar Kafue Flats: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Lochinvar NP: 18 December 1969: Dowsett, Robert Jack: MCZ: 1 [1 - **1**] - 2 January 1970: Dowsett, Robert Jack: MCZ: 1 [1 - **1** - **2**].

Lochinvar Ranch: Collection Date Unknown: ?: Collector Unknown: UZMZ: 1 [1]; Dowsett, Robert Jack: NHMZ: 2 [2]; Tree, A.J.: NHMZ: 2 [2 - **5**] - 28 October 1967: Sheppe, Walter A.: CAS: 1 [1 - **1**] - 1 January 1970: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **7**].

Lonchinvar: 29 April 1971: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Isoka: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].

Luachi River: 7 November 1961: Traylor, Melvin ("Mel") Alvah: FMNH: 1 [1 - **1**] - 8 November 1961: Traylor, Melvin ("Mel") Alvah: FMNH: 1 [1 - **1** - **2**].

Luakela River: 1 June 1939: White, Charles Matthew Newton: AMNH: 21 [21 - **21**] - 1 July 1939: White, Charles Matthew Newton: AMNH: 1 [1 - **1**] - 30 June 1940: White, G.: USNM: 1 [1 - **1** - **23**].

Luakera River: 1 June 1939: : SMF: 1 [1 - **1** - **1**].

Luambe Game Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].

Luangwa: 29 March 1964: Ansell, William Frank Harding: BMNH: 2 [2 - **2**] - 30 March 1964: Ansell, William Frank Harding: BMNH: 2 [2 - **2** - **4**].

Luangwa NP, Nsefu: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Luangwa River: Collection Date Unknown: ?: Collector Unknown: LACM: 8, NHMZ: 1 [9 - **9**] - 30 September 1982: Stager, Kenneth E.: LACM: 5 [5 - **5**] - 1 October 1982: Stager, Kenneth E.: LACM: 11 [11 - **11**] - 2 October 1982: Stager, Kenneth E.: LACM: 11 [11 - **11**] - 3 October 1982: Stager, Kenneth E.: LACM: 6 [6 - **6**] - 4 October 1982: Stager, Kenneth E.: LACM: 1 [1 - **1**] - 5 October 1982: Stager, Kenneth E.: LACM: 3 [3 - **3**] - 6 October 1982: Stager, Kenneth E.: LACM: 2 [2 - **2** - **48**].

Luangwa River, base camp: 30 September 1982: Stager, Kenneth E.: LACM: 1 [1 - **1**] - 1 October 1982: Stager, Kenneth E.: LACM: 4 [4 - **4**] - 2 October 1982: Stager, Kenneth E.: LACM: 4 [4 - **4**] - 3 October 1982: Stager, Kenneth E.: LACM: 1 [1 - **1**] - 4 October 1982: Stager, Kenneth E.: LACM: 4 [4 - **4**] - 5 October 1982: Stager, Kenneth E.: LACM: 2 [2 - **2**] - 6 October 1982: Stager, Kenneth E.: LACM: 3 [3 - **3**] - 7 October 1982: Stager, Kenneth E.: LACM: 2 [2 - **2**] - 8 October 1982: Stager, Kenneth E.: LACM: 4 [4 - **4**] - 12 October 1982: Stager, Kenneth E.: LACM: 4 [4 - **4**] - 13 October 1982: Stager, Kenneth E.: LACM: 3 [3 - **3** - **32**].

Luangwa Valley: Collection Date Unknown: ?: Collector Unknown: LACM: 3, NHMZ: 2 [5]; Keymer, I.F.: NHMZ: 1 [1]; Wilson, Vivian J.: NHMZ: 1 [1 - **7**] - 13 June 1962: Wilson, Vivian J.: ROM: 10 [10 - **10** - **17**].

Luangwa valley, Chisenga: 11 April 1967: Dowsett, Robert Jack: BMNH: 1 [1 - **1** - **1**].

Luangwa Valley, Chisombo: 11 April 1967: Dowsett, Robert Jack: BMNH: 1 [1 - **1** - **1**].

Luangwa valley, Lunzi river: Collection Date Unknown: Lancaster, D. Gordon: BMNH: 1 [1 - **1** - **1**].

Luangwa Valley, Mfuwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2]; : NMZL: 1 [1 - **3** - **3**].

Luangwa Valley, Nsefu: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].

Luangwa Valley, Petauke: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; : KM: 3 [3 - **5**] - 1 October 1943: : KM: 1 [1 - **1** - **6**].

Luanshya: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, USNM: 1 [2]; Larson, Thomas ("Tom"): AMNH: 1 [1 - **3**] - 23 November 1948: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 20 December 1948: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 17 January 1949: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1**] - 19 January 1949: Larson, Thomas ("Tom"): AMNH: 1, MVZ: 13 [14 - **14**] - 21 January 1949: Larson, Thomas ("Tom"): AMNH: 2, MVZ: 10 [12 - **12**] - 26 May 1952: Haydock, E.L.: USNM: 1 [1 - **1**] - 5 January 1957: Ansell, William Frank Harding: HZM: 1 [1 - **1**] - 12 January 1957: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **35**].

Luanshya, 6 mi S: Collection Date Unknown: ?: Collector Unknown: HZM: 3 [3]; Ansell, William Frank Harding: HZM: 1 [1 - **4**] - 14 January 1957: Ansell, William Frank Harding: HNHM: 1 [1 - **1** - **5**].

Lueti River, S: 30 November 1961: Traylor, Melvin ("Mel") Alvah: FMNH: 1 [1 - **1** - **1**].

Lufupa Camp: 31 December 2010: Seamark, Ernest Charles James: NMZL: 1 [1 - **1** - **1**].

Lufupa camp [site 1]: Collection Date Unknown: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 1 [1 - **1**] - 18 January 2008: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 5 [5 - **5**] - 19 January 2008: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 1 [1 - **1** - **7**].

Lufupa camp [site 2]: 21 January 2008: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 8 [8 - **8**] - 22 January 2008: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 1 [1 - **1**] - 23 January 2008: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 1 [1 - **1** - **10**].

Lufupa camp [site3]: 23 January 2008: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 4 [4 - **4** - **4**].

Lufupa camp, around thatched buildings [site 6]: 28 January 2008: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 4 [4 - **4** - **4**].

Lufupa camp, open woodland adjacent to flooded grassland [site 4]: 25 January 2008: Kearney, Teresa Catherine;Seamark, Ernest Charles James; Mateke, Clare; Hood, David: NMZL: 6 [6 - **6** - **6**].

Lukanga Swamp: Collection Date Unknown: Grimwood: BMNH: 2 [2 - **2** - **2**].

Lukusuzi-NP: 5 March 1971: Sayer, J.A.: NMZL: 2 [2 - **2** - **2**].

Lundazi: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NHMZ: 1 [2]; : KM: 1 [1 - **3** - **3**].

Lunga Game Reserve: 20 August 1957: Schwartz, A.; Ansell, William Frank Harding: KU: 1 [1 - **1** - **1**].

Lunga pontoon: 3 July 1949: Ansell, William Frank Harding: BMNH: 2, KM: 2 [4 - **4** - **4**].

Lunga-GR, Nyabikwa Kabompo confluence: 14 July 1973: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].

Lunyuwi river: 1 July 1944: Robinson, G.G.: HZM: 1 [1 - **1** - **1**].

Lusaka: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1]; : TM: 1 [1 - **2**] - 17 May 1963: Wilson, Vivian J.: AMNH: 2 [2 - **2**] - 3 August 1965: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - 4 March 1966: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - 19 December 1966: Farrell, T.P.: HZM: 1 [1 - **1**] - 24 December 1966: Farrell, T.P.: HZM: 1 [1 - **1**] - 2 January 1967: Farrell, T.P.: HZM: 1 [1 - **1**] - 2 September 1971: Osborne, T.O.: TTU: 1 [1 - **1**] - 31 October 1972: Ansell,

William Frank Harding: HNHM: 1 [1 - **1**] - 10 March 1974: Ansell, William Frank Harding: HZM: 1 [1 - **1**] - 16 June 1974: Francis: HZM: 1 [1 - **1** - **13**].
Lusaka, 18 mi [= 29 km] S: 13 December 1967: Sheppe, Walter A.: CAS: 1 [1 - **1** - **1**].
Lusaka, 20 mi SW: 23 October 1967: ?: Collector Unknown: BMNH: 2, UZMZ: 3 [5 - **5** - **5**].
Lusaka, 7 km W: 6 June 1974: Francis, David M.: MSB: 1 [1 - **1** - **1**].
Lusake, 6 mi NE: 30 March 1973: Black, Hal L.: HZM: 4 [4 - **4**] - 1 April 1973: Black, Hal L.: HZM: 1 [1 - **1**] - 2 April 1973: Black, Hal L.: HZM: 1 [1 - **1** - **6**].
Lusingazi Game Camp: 5 July 1962: Newman, D.H.: BMNH: 1 [1 - **1** - **1**].
Lusiwashi valley: 4 March 1930: Selchow, Donald H.: YPM: 1 [1 - **1** - **1**].
Lutembue river E.: 17 February 1964: Wilson, Vivian J.: AMNH: 1 [1 - **1** - **1**].
Lutembwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Machiya ferry: 25 August 1963: Tree, A.J.: BMNH: 1 [1 - **1** - **1**].
Mafinga Mountains: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Magoye research station: 1 June 1974: Wells: HZM: 1 [1 - **1** - **1**].
Makeni Farm: Collection Date Unknown: Benson, Constantine ("Con") Walter: NHMZ: 1 [1 - **1** - **1**].
Makutu Mountains: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Mandala Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Manyinga River: 20 January 1959: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **1**].
Masali Mine: Collection Date Unknown: Wilson, Vivian J.: BMNH: 13 [13 - **13** - **13**].
Matabele plain: 21 July 1964: Benson, Constantine ("Con") Walter: BMNH: 1 [1 - **1** - **1**].
Mazabuka: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, NMZL: 1 [2]; Ansell, William Frank Harding: BMNH: 4 [4]; McLeod, J.: BMNH: 7 [7 - **13**] - 26 December 1966: McLeod, J.: BMNH: 1 [1 - **1** - **14**].
Mazabuka Boma: Collection Date Unknown: Ansell, William Frank Harding: BMNH: 13 [13 - **13**] - 25 November 1952: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - 11 February 1953: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - 3 January 1955: Ansell, William Frank Harding: HZM: 1 [1 - **1**] - 14 January 1956: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **17**].
Mbala: Collection Date Unknown: Lancaster, D. Gordon: KM: 1 [1 - **1** - **1**].
Mbesuma: 29 January 1958: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1**] - 31 January 1958: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **2**].
Mblundu River: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2 - **2** - **2**].
Mfuwe: 28 March 1964: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - 29 March 1964: Ansell, William Frank Harding: BMNH: 5, NHMZ: 1 [6 - **6**] - 30 March 1964: Ansell, William Frank Harding: NHMZ: 1 [1 - **1**] - 21 December 1966: Dowsett, Robert Jack: MSU: 30 [30 - **30**] - 8 March 1967: Dowsett, Robert Jack: MSU: 2 [2 - **2**] - 13 March 1967: Dowsett, Robert Jack: MSU: 1 [1 - **1**] - 14 March 1967: Dowsett, Robert Jack: MSU: 4 [4 - **4**] - 30 March 1967: Dowsett, Robert Jack: MSU: 7 [7 - **7**] - 17 May 1967: Dowsett, Robert Jack: MSU: 3 [3 - **3**] - 22 May 1967: Dowsett, Robert Jack: MSU: 1 [1 - **1**] - 21 June 1967: Dowsett, Robert Jack: BMNH: 1 [1 - **1**] - 30 June 1967: Dowsett, Robert Jack: MSU: 1 [1 - **1**] - 10 October 1967: Dowsett, Robert Jack: MSU: 2 [2 - **2**] - 30 October 1967: Dowsett, Robert Jack: MSU: 1 [1 - **1**] - 30 July 1972: Caughley, G.J.: NMZL: 1 [1 - **1** - **62**].
Mfuwe Game Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 7 [7 - **7**] - 12 November 1963: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - 29 March 1964: Ansell, William Frank Harding: BMNH: 2 [2 - **2**] - 30 March 1964: Ansell, William Frank Harding: BMNH: 2 [2 - **2**] - 28 December 1966: Dowsett, Robert Jack: BMNH: 1 [1 - **1**] - 21 June 1967: Dowsett, Robert Jack: BMNH: 1 [1 - **1** - **14**].
Mindolo dam: Collection Date Unknown: Tree, A.J.: NHMZ: 2 [2 - **2** - **2**].
Missale: 15 February 1963: Harrison, David Lakin: ROM: 3 [3 - **3** - **3**].
Missale Customs Post: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Missale Old Mine: Collection Date Unknown: ?: Collector Unknown: BMNH: 4, NHMZ: 37 [41]; Ansell, William Frank Harding: BMNH: 17 [17 - **58**] - 4 February 1963: Ansell, William Frank Harding: BMNH: 4 [4 - **4**] - 15 February 1963: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - 1 May 1963: ?: Collector Unknown: TM: 2 [2]; Ansell, William Frank Harding: AMNH: 1, FMNH: 2 [3 - **5** - **68**].
Mkwisi: Collection Date Unknown: : KM: 1 [1]; Tree, A.J.: NHMZ: 3 [3 - **4** - **4**].
Mnyombe: 2 August 1970: Ansell, P.D.H.: HNHM: 1 [1 - **1** - **1**].
Mongu: Collection Date Unknown: : KM: 3 [3]; Shortridge, Guy Chester: KM: 1 [1 - **4**] - 12 November 1971: : NMZL: 1 [1 - **1**] - 20 April 1972: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **6**].
Monze: Collection Date Unknown: Powell; Shortridge, Guy Chester: BMNH: 4, KM: 5 [9 - **9** - **9**].
Mount Makulu: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Mount Makulu Research Station: Collection Date Unknown: Benson, Constantine ("Con") Walter: NHMZ: 1 [1 - **1** - **1**].
Mpemba village: 11 November 1969: Ansell, William Frank Harding: AMNH: 2 [2 - **2** - **2**].
Mpika: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Mpomwa Hills: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 4 March 1964: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **2**].
Mpomwa Hills, below: 4 March 1964: Wilson, Vivian J.: BMNH: 1 [1 - **1** - **1**].
Mpomwa Hills, Chipata: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mporokoso: Collection Date Unknown: ?: Collector Unknown: KM: 2 [2]; : KM: 1 [1]; Lancaster, D. Gordon: KM: 1 [1 - **4** - **4**].
Mt. Makulu: 7 November 1970: Hanks, J.: NMZL: 2 [2 - **2** - **2**].
Muckle Neuk: Collection Date Unknown: ?: Collector Unknown: NMZL: 3 [3 - **3**] - 18 December 1970: : NMZL: 1 [1 - **1**] - 5 December 1971: Dowsett, Robert Jack: NMZL: 1 [1 - **1**] - 6 December 1971: : NMZL: 1 [1 - **1**] - 22 February 1972: Dowsett, Robert Jack: NMZL: 1 [1 - **1** - **7**].
Mufulira: 21 January 1949: Larson, Thomas ("Tom"): AMNH: 1 [1 - **1** - **1**].
Mumbwa: 7 August 1974: Ansell, William Frank Harding: ZFMK: 2 [2 - **2** - **2**].
Mumbwa Caves: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Munali: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1**] - 6 December 1971: : NMZL: 1 [1 - **1**] - 27 April 1972: Tucker, J.J.: NMZL: 1 [1 - **1**] - 29 November 1973: Ansell, William Frank Harding: ROM: 1 [1 - **1**] - 28 December 1973: Ansell, P.D.H.: AMS: 1 [1 - **1**] - 29 December 1973: Ansell, William Frank Harding: HNHM: 1, ROM: 1 [2 - **2** - **7**].
Mundwiji Plain: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Muozi [= Mwoji] R: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Muozi Stream, near: Collection Date Unknown: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Muozj [=Mwoji] R.: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Musende Show: 24 August 1967: Matthes: RMCA: 1 [1 - **1** - **1**].
Mushishima Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Muyombe: Collection Date Unknown: Ansell, P.D.H.: HZM: 1 [1 - **1** - **1**].
Muzubuku: Collection Date Unknown: le Roux, P.L.: TM: 1 [1 - **1** - **1**].
Mwanya: Collection Date Unknown: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].
Mwekera: Collection Date Unknown: Tree, A.J.: NHMZ: 2 [2 - **2** - **2**].
Mweru Wantipa: Collection Date Unknown: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1**] - 15 May 1941: Bredo, H.J.: RBINS: 1 [1 - **1**] - 16 December 1960: Vesey-FitzGerald, Leslie Desmond Edward Foster: HZM: 1 [1 - **1** - **3**].
Mwinilunga: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1]; White, Charles Matthew Newton: AMNH: 3 [3 - **4**] - 1 July 1939: White, Charles Matthew Newton: AMNH: 11 [11 - **11** - **15**].
Mwinilunga district: 1 August 1939: White, Charles Matthew Newton: AMNH: 2 [2 - **2** - **2**].
Mwinilunga, Sakeji Stream: 24 July 1973: Ansell, P.D.H.: HNHM: 1 [1 - **1** - **1**].
Mwombezhi river: 14 July 1973: Ansell, P.D.H.: HZM: 1 [1 - **1** - **1**].
Mwombezi village: 14 June 1973: Ansell, William Frank Harding: ROM: 1 [1 - **1**] - 14 July 1973: Ansell, P.D.H.: MSB: 1 [1 - **1** - **2**].
Nabwalia Village: Collection Date Unknown: Marks, S.: UZMZ: 1 [1 - **1** - **1**].
Naleza: Collection Date Unknown: ?: Collector Unknown: CAS: 1, UZMZ: 2 [3]; Sheppe, Walter A.: UZMZ: 3 [3 - **6**] - 6 September 1967: ?: Collector Unknown: UZMZ: 2 [2 - **2**] - 9 September 1967: ?: Collector Unknown: UZMZ: 2 [2 - **2**] - 7 October 1967: ?: Collector Unknown: UZMZ: 3 [3 - **3**] - 21 December 1967: ?: Collector Unknown: BMNH: 3, UZMZ: 1 [4 - **4**] - 21 March 1968: ?: Collector Unknown: UZMZ: 1 [1 - **1**] - 22 March 1968: ?: Collector Unknown: UZMZ: 4 [4 - **4**] - 31 March 1968: ?: Collector Unknown: UZMZ: 2 [2 - **2**] - 18 May 1968: ?: Collector Unknown: UZMZ: 1 [1 - **1**] - 3 June 1968: ?: Collector Unknown: UZMZ: 1 [1 - **1** - **26**].
Namantombwa Hill: Collection Date Unknown: ?: Collector Unknown: UZMZ: 1 [1 - **1** - **1**].
Nampongwe: 30 August 1967: ?: Collector Unknown: UZMZ: 1 [1 - **1**] - 31 August 1967: ?: Collector Unknown: UZMZ: 1 [1 - **1** - **2**].
Nansai Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nansai Farm, Choma: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Natural Resources Development College: 28 February 1966: Tait, H.: NMZL: 1 [1 - **1** - **1**].
Nchelenge: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Ndanda Dambo: Collection Date Unknown: ?: Collector Unknown: NHMZ: 14 [14 - **14** - **14**].
Ndanda School: Collection Date Unknown: ?: Collector Unknown: NHMZ: 13 [13 - **13** - **13**].
Ndola: Collection Date Unknown: ?: Collector Unknown: BMNH: 3, HZM: 1 [4]; : KM: 1 [1]; Withenshaw, G.: NHMZ: 1 [1 - **6**] - 14 February 1919: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 22 April 1919: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 29 April 1919: Shortridge, Guy Chester: BMNH: 1 [1 - **1**] - 18 June 1919: Shortridge, Guy Chester: TM: 1 [1 - **1**] - 8 May 1956: Ansell, William Frank Harding: HZM: 1 [1 - **1**] - 22 April 1957: Ansell, William Frank Harding: HZM: 1 [1 - **1** - **12**].
Ngiverone Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: 28 February 1972: Black, Hal L.: MSB: 17 [17 - **17**] - 14 March 1973: Black, Hal L.: MSB: 4 [4 - **4**] - 4 May 1973: Black, Hal L.: MSB: 18 [18 - **18** - **39**].
Ngoma: 22 August 1968: Ansell, William Frank Harding: BMNH: 1 [1 - **1**] - 28 November 1968: : NMZL: 1 [1 - **1**] - 4 July 1969: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **3**].
Ngoma: 25 August 1969: Ansell, William Frank Harding: AMNH: 1 [1 - **1**] - 30 September 1969: Ansell, William Frank Harding: AMNH: 1 [1 - **1**] - 8 October 1969: Ansell, William Frank Harding: AMNH: 1 [1 - **1**] - 30 October 1969: Ansell, William Frank Harding: AMNH: 1 [1 - **1**] - 3 November 1969: Ansell, William Frank Harding: AMNH: 1 [1 - **1**] - 2 December 1969: Ansell, William Frank Harding: AMNH: 2 [2 - **2**] - 4 December 1969: Ansell, William Frank Harding: AMNH: 1 [1 - **1** - **8**].
Ngwerene Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: 10 January 1968: Sheppe, Walter A.: CAS: 1 [1 - **1**] - 28 February 1972: Black, Hal L.: MSB: 12 [12 - **12**] - 30 August 1972: Black, Hal L.: MSB: 4 [4 - **4**] - 25 September 1972: Black, Hal L.: MSB: 3 [3 - **3**] - 30 September 1972: Black, Hal L.: MSB: 1 [1 - **1**] - 15 October 1972: Black, Hal L.: MSB: 1 [1 - **1**] - 14 March 1973: Black, Hal L.: MSB: 10 [10 - **10**] - 26 March 1973: Black, Hal L.: MSB: 18 [18 - **18** - **50**].
Ngwerere cave: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NMZL: 5, ROM: 1, UZMZ: 1 [8]; Osborne, T.O.: CAS: 8 [8 - **16**] - 1 August 1971: ?: Collector Unknown: AMS: 1 [1 - **1**] - 26 August 1971: Osborne, T.O.: CAS: 1, TTU: 8 [9 - **9**] - 31 October 1972: Ansell, William Frank Harding: HNHM: 1, HZM: 6, NMZL: 16, SMF: 6 [29 - **29**] - 26 May 1973: Black, Hal L.: NMZL: 1 [1 - **1**] - 1 August 1974: Ansell, P.D.H.: AMS: 1 [1]; Ansell, William Frank Harding: HNHM: 6, MSB: 3, ROM: 2, UWBM: 1 [12 - **13** - **69**].
Ngwerere Siding: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 14 March 1967: ?: Collector Unknown: UZMZ: 6 [6 - **6**] - 10 January 1968: ?: Collector Unknown: BMNH: 1, UZMZ: 7 [8 - **8**] - 14 March 1968: ?: Collector Unknown: BMNH: 1, UZMZ: 8 [9 - **9** - **24**].
Ngwerere Siding, 1 mi [=1.6 km] S, 0.3 mi [= 600 m] E: 28 February 1972: Black, Hal L.: MSB: 1 [1 - **1**] - 2 August 1972: Black, Hal L.: MSB: 2 [2 - **2**] - 26 March 1973: Black, Hal L.: MSB: 4 [4 - **4**] - 4 May 1973: Black, Hal L.: MSB: 36 [36 - **36**] - 14 May 1973: Black, Hal L.: MSB: 3 [3 - **3**] - 8 June 1973: Black, Hal L.: MSB: 28 [28 - **28**] - 7 July 1973: Black, Hal L.: MSB: 34 [34 - **34**] - 2 August 1973: Black, Hal L.: MSB: 8 [8 - **8**] - 22 August 1973: Black, Hal L.: MSB: 2 [2 - **2**] - 30 August 1973: Black, Hal L.: MSB: 5 [5 - **5** - **123**].
Nkambwa Hill: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nkane-Kitwe: 2 September 1962: Tree, A.J.: NHMZ: 1 [1 - **1** - **1**].
North Luangwa National Park: Collection Date Unknown: ?: Collector Unknown: NMP: 1 [1 - **1** - **1**].
North Sumbu Island: 1 September 1919: Hall, Eugene Raymond: FMNH: 1 [1 - **1** - **1**].
Northwestern Zambia: Collection Date Unknown: Selchow, Donald H.: YPM: 1 [1 - **1** - **1**].
Nsadzu: Collection Date Unknown: Lancaster, D. Gordon: BMNH: 1 [1 - **1** - **1**].
Nsefu Game Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - 28 May 1963: Feely, J.M.: NHMZ: 2 [2 - **2** - **4**].
Nsombo: 10 November 1931: ?: Collector Unknown: SMF: 1 [1]; Haas, F.: SMF: 2 [2 - **3** - **3**].
Nsumbu, N Lake Bangweulu: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Nyansowe stream: 17 July 1973: Ansell, P.D.H.: MSB: 1 [1 - **1** - **1**].
Nyika NP: Collection Date Unknown: ?: Collector Unknown: NMZL: 2 [2 - **2** - **2**].
Nyika Plateau: Collection Date Unknown: Keith, G.S.: BMNH: 1 [1]; Osborne, T.O.: NMZL: 3 [3 - **4** - **4**].
Nyimba and Fort Jameson, between: 26 August 1964: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **1**].

Nylka NR: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Petauke: Collection Date Unknown: Lancaster, D. Gordon: KM: 1 [1 - **1**] - 4 July 1965: Ansell, William Frank Harding; Wilson, Vivian J.: BMNH: 1 [1 - **1** - **2**].
Pwira Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2]; Tree, A.J.: BMNH: 1, NHMZ: 5 [6 - **8**] - 17 August 1963: Ansell, William Frank Harding: BMNH: 1 [1]; Ansell, William Frank Harding; Tree, A.J.: BMNH: 2 [2]; Tree, A.J.: BMNH: 1 [1 - **4**] - 18 August 1963: Tree, A.J.: BMNH: 1 [1 - **1** - **13**].
Pwlra Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Reitfontein: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Sakei Stream, headwaters: 24 July 1973: Ansell, William Frank Harding: MSB: 1 [1 - **1** - **1**].
Sakeji Mavunda: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sakeji School: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Sakeji Stream: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sakeji Stream, headwaters: Collection Date Unknown: ?: Collector Unknown: NMZL: 2, ROM: 1 [3 - **3**] - 24 July 1953: Ansell, P.D.H.: AMS: 1 [1 - **1** - **4**].
Salujinga: Collection Date Unknown: ?: Collector Unknown: BMNH: 2 [2]; Benson, Constantine ("Con") Walter: NHMZ: 4 [4]; Makawa, J.: NHMZ: 3 [3 - **9**] - 15 November 1964: Benson, Constantine ("Con") Walter: BMNH: 2 [2 - **2** - **11**].
Samfya: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, NMZL: 1 [2]; Mill, T.A.: HNHM: 1 [1 - **3**] - 30 January 1968: Perez, L.M.: UZMZ: 1 [1 - **1**] - 12 August 1968: ?: Collector Unknown: BRTC: 1 [1 - **1**] - 1 December 1972: Ansell, William Frank Harding: ROM: 1 [1 - **1** - **6**].
Sasare Old Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 17 [17]; Ansell, William Frank Harding: BMNH: 9 [9]; Wilson, Vivian J.: NHMZ: 1 [1 - **27**] - 29 May 1963: Wilson, Vivian J.: ROM: 10 [10 - **10** - **37**].
Sasare Old Mine, Petauke: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Senanza: 30 July 1952: Carp Expedition, The: TM: 1 [1 - **1** - **1**].
Senenga, 50 km NE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 8 [8 - **8** - **8**].
Senenga, 50km NE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Senenga, 59 km NE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Senenga, S km NE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Seneriga, 50 km NE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Serenje: Collection Date Unknown: : KM: 2 [2 - **2** - **2**].
Shupanga: Collection Date Unknown: Kirk, John: BMNH: 1 [1 - **1** - **1**].
Sihole: 5 December 1961: Taylor, R.H.: FMNH: 1 [1 - **1**] - 6 December 1961: Traylor, Melvin ("Mel") Alvah: FMNH: 4 [4 - **4**] - 8 December 1961: Traylor, Melvin ("Mel") Alvah: FMNH: 2 [2 - **2** - **7**].
Sikongo: 18 November 1961: Taylor, R.H.: FMNH: 1 [1]; Traylor, Melvin ("Mel") Alvah: FMNH: 2 [2 - **3**] - 19 November 1961: Traylor, Melvin ("Mel") Alvah: FMNH: 1 [1 - **1**] - 20 November 1961: Traylor, Melvin ("Mel") Alvah: FMNH: 2 [2 - **2** - **6**].
Sililo: Collection Date Unknown: Benson, Constantine ("Con") Walter: BMNH: 1 [1 - **1** - **1**].
Sioma Bush Camp: Collection Date Unknown: ?: Collector Unknown: NMP: 2 [2 - **2** - **2**].
Solwezi: Collection Date Unknown: : KM: 1 [1 - **1** - **1**].
Solwezi: Collection Date Unknown: ?: Collector Unknown: HZM: 4, NHMZ: 5 [9 - **9** - **9**].
Solwezi Boma: Collection Date Unknown: Ansell, William Frank Harding: BMNH: 5 [5 - **5**] - 11 March 1952: Ansell, William Frank Harding: BMNH: 2 [2 - **2**] - 28 April 1952: Ansell, William Frank Harding: BMNH: 2, USNM: 1 [3 - **3** - **10**].
South Luangwa Valley, Mfuwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
South Luangwa Valley, Mfuwe: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, NMZL: 1 [2 - **2**] - 29 March 1964: Ansell, William Frank Harding: BMNH: 1 [1 - **1** - **3**].
Sumbu: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1]; Mulumbu, T.: NMZL: 3 [3 - **4**] - 21 April 1972: Mulumbu, T.: NMZL: 1 [1 - **1**] - 6 May 1973: Ansell, William Frank Harding: HNHM: 1 [1 - **1** - **6**].
Sunza [=Sunzu] Mountain: Collection Date Unknown: ?: Collector Unknown: KM: 1 [1 - **1** - **1**].
Tembwe Village: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Waterfall Farm: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].
Wenela: 16 September 1966: Japp, M.: BMNH: 2 [2 - **2**] - 14 December 1966: Japp, M.: BMNH: 1 [1 - **1**] - 18 September 1967: Japp, M.: BMNH: 2 [2 - **2** - **5**].
Wusikili Bridge: Collection Date Unknown: Tree, A.J.: NHMZ: 1 [1 - **1** - **1**].
Zambezi: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Zambezi rapids: 17 September 1965: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].
Zambezi Rapids Ikelenge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Zambezi River plains: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Zambezi River, middle, N of: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Zimba,19 km away: Collection Date Unknown: ?: Collector Unknown: NMZL: 1 [1 - **1** - **1**].

Total Specimens for Zambia: 2758

Zimbabwe

Unknown locality: Collection Date Unknown: BMNH: 146, HZM: 1, MMK: 1, MNHN: 8, NHMZ: 1, SMF: 2, TM: 1 [160 - **160**] - 19 March 1970: Irwin, Michael P. Stuart: HZM: 1, NHMZ: 5 [6 - **6**] - 2 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1**] - 26 October 1981: Rautenbach, Ignatius Lourens [=Naas]; *et al.*: MMK: 1 [1 - **1**] - 1 January 1982: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 20 January 1982: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 24 January 1982: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 2 April 1999: ?: Collector Unknown: SMF: 2 [2 - **2** - **173**].
3rd Street: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Ada Estates: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Alfafa Ranch Lonely Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Angwa: Collection Date Unknown: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Angwa bridge, 7 km SW: 8 July 1988: SENG: MNHN: 1 [1 - **1** - **1**].
Angwa River: Collection Date Unknown: ?: Collector Unknown: MNHN: 5 [5 - **5**] - 9 June 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 10 June 1905: ?: Collector Unknown: MNHN: 7 [7 - **7** - **13**].
Arcturus: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Atlantica Ecological Research Station: 19 December 1971: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1**] - 19 May 1972: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2** - **3**].
Atlantica Research Station: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Avondale: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 30 March 1962: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **2**].
Baines Ave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Banket: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Barberton Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Baruka cave: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 7 September 1961: ?: Collector Unknown: FMNH: 2 [2 - **2** - **3**].
Baruka caveS: 28 December 1964: Wilson, Vivian J.: AMNH: 1 [1 - **1**] - 29 December 1964: Wilson, Vivian J.: AMNH: 5 [5 - **5** - **6**].
Bashungwe Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Batoka Gorge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Beacon Hill: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Beitbridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Bembesi: 8 October 1975: W: FMNH: 15 [15 - **15** - **15**].
Benzie's Bridge, Shangani R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Benzie's Bridge, Shangani R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Benzie's Bridge, Shangani R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Benzie's Bridge, Shanganl R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Benzje's Bridge, Shangani R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Bezwe river: 16 August 1913: Roberts, Austin: TM: 1 [1 - **1** - **1**].
Bikita: 12 June 1972: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].
Bindura: 14 August 1945: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].
Birchenough Bridge: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1**] - 11 January 1938: ?: Collector Unknown: TM: 1 [1 - **1** - **2**].
Birchenough Bridge Hotel: 24 May 1972: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1** - **1**].
Birchenough Bridge Hotel, 11 km W: 24 May 1972: Peterson, Randolph L.; *et al.*: ROM: 18 [18 - **18** - **18**].
Birchenough Bridge, 11.2 km W: 11 January 1938: White, A.G.: TM: 6 [6 - **6**] - 12 January 1938: White, A.G.: TM: 2 [2 - **2** - **8**].
Birchenough Bridge, 8 km E: 13 June 1972: Fenton, Melville Brock: ROM: 5 [5 - **5** - **5**].
Bonda Mission: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 6 December 1995: ?: Collector Unknown: DNSM: 1 [1 - **1** - **2**].
Bopoma River Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Bopoma River Camp, Chimanda: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Borrowdale: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Braeside: 23 April 1965: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].
Bridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Bubye R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Bubye R, Chikwarakwara: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Bubye R., Chikwarakwara: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Buchwa Iron Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Buffalo Bend: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Buffalo Range, Field station: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Bulawayo: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, NHMZ: 22, USNM: 1 [24]; Chubb, Ernest Charles: USNM: 3 [3 - **27**] - 5 April 1907: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 17 October 1924: Durant: HZM: 1 [1 - **1**] - 20 September 1956: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **30**].
Bulawayo Natural History Museum: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Bulawayo Swamps: Collection Date Unknown: Chubb, Ernest Charles: USNM: 2 [2 - **2** - **2**].
Bulawayo, 20 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Bulawayo, Industrial Site: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Bulawayo, Lakeside: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Bulldog Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Bumbusie Gorge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Bushtick Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Busi R, Manjolo: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Camp-Katembora: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Carrick Creagh Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chamatema Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chenahunga, Bumi R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chesengu Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chete: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chete Safari Area, Eastern Section: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chete, Chifumbi Spring: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Chete, Eastern Section: Collection Date Unknown: ?: Collector Unknown: NHMZ: 8 [8 - **8** - **8**].
Chete, Kabaya Bay: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chewore R, Mkanga Bridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chewore/Zambezi Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chibero: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chikombedzi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chikupo cave: 21 October 1981: ?: Collector Unknown: TM: 18 [18 - **18**] - 23 October 1981: ?: Collector Unknown: TM: 1 [1 - **1** - **19**].
Chikupo cave, 19 km W: 10 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1** - **1**].
Chikupo Caves: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2]; Masterson, H.B.: TM: 1 [1 - **3**] - 10 July 1945: Masterson, H.B.: TM: 1 [1 - **1**] - 8 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1**] - 9 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 5 [5 - **5**] - 10 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 5 [5 - **5**] - 11 May

1972: Peterson, Randolph L.; Turner, G.E.: ROM: 38 [38 - **38**] - 21 October 1981: Transvaal Museum Expedition, The: TM: 1 [1 - **1** - **54**].
Chikupo caves area: 11 May 1972: Peterson, Randolph L.: ROM: 1 [1 - **1** - **1**].
Chikupu [=Chikupo] Caves: Collection Date Unknown: ?: Collector Unknown: NHMZ: 34, ROM: 6 [40 - **40**] - 21 October 1981: ?: Collector Unknown: DNSM: 2 [2 - **2** - **42**].
Chikwarakwara: Collection Date Unknown: ?: Collector Unknown: NHMZ: 22 [22 - **22** - **22**].
Chikwarakwara Irrigation Scheme: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Chikwarakwara, Pesu R Gorge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 7 [7 - **7** - **7**].
Chikwarakwara, Pesu R. Gorge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chilo Cave, Lone Star Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chimanda CL: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chimanimani, Corner: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chinanga Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Chinanga Dam, Maramba: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Chingamwe Estates: 27 August 1982: Kearney, Teresa Catherine: DNSM: 1 [1 - **1**] - 5 December 1995: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 10 December 1995: ?: Collector Unknown: DNSM: 1 [1 - **1** - **3**].
Chinhoyi Caves: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NHMZ: 4 [5 - **5**] - 3 February 1989: ?: Collector Unknown: DNSM: 2 [2 - **2** - **7**].
Chinhoyi, Badze Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Chinhoyi, Baruka Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chinhoyi, Bashungwe Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chinhoyi, Orchard Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chinoyi: Collection Date Unknown: ?: Collector Unknown: HZM: 4, NHMZ: 2 [6 - **6** - **6**].
Chinoyi, Orchid Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 7 September 1961: Guy, G.L.: USNM: 1 [1 - **1** - **2**].
Chipangayi: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Chipinda Pools: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chipinga: 1 January 1965: Pavey, T.D.K.: BMNH: 1 [1 - **1**] - 16 April 1982: ?: Collector Unknown: TM: 9 [9 - **9** - **10**].
Chipingayi Bridge, Save Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chiredzi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 9 [9 - **9** - **9**].
Chiredzi Research Station: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Chiredzi, 24 km E: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Chiredzi, Lone Star Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Chiribira Falls: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chirinda: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1]; Sandground, Jack Henry: MCZ: 1 [1 - **2** - **2**].
Chirinda Forest: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2, TM: 2, USNM: 1 [5]; Setzer, Henry W.: USNM: 1 [1 - **6**] - 24 September 1967: Setzer, Henry W.: NHMZ: 3, USNM: 21 [24 - **24**] - 29 September 1967: Setzer, Henry W.: USNM: 7 [7 - **7**] - 30 September 1967: Setzer, Henry W.: USNM: 9 [9 - **9**] - 1 October 1967: Setzer, Henry W.: USNM: 1 [1 - **1**] - 5 October 1967: Setzer, Henry W.: USNM: 23 [23 - **23**] - 4 October 1981: ?: Collector Unknown: TM: 1 [1]; Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Wolhuter, P.J.: TM: 2 [2 - **3**] - 5 October 1981: ?: Collector Unknown: TM: 3 [3]; Transvaal Museum Expedition, The: TM: 1 [1 - **4** - **77**].
Chirinda Forest, Gungunyama: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chirinda Pools: 15 March 1978: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chirisa Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6**] - 26 October 1981: ?: Collector Unknown: TM: 38 [38]; Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **39** - **45**].
Chirisa SA, Magurazino R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Chirisa SA, Magurazjno R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chirisa Safari area: 23 January 1982: Fenton, Melville Brock: ROM: 1 [1 - **1** - **1**].
Chishakwe Camp, 2 km E: Collection Date Unknown: ?: Collector Unknown: NHMZ: 7 [7 - **7** - **7**].
Chishakwe Camp, 3 km E: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Chishakwe Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chisuma, Dibutibu R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chisuma, Dibutibu R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chitove Tsetse Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chitowe Camp, Runde R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chivi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Chivi Communal Land: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Chizarira NP, HQ: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chizarira NP, Manzituba: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Chizarira NP, Mchesu R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Chizarira NP, Mucheni Gorge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Chizarira-Mcheni Gorge: 8 December 1980: Peek, J.R.: NHMZ: 1 [1 - **1** - **1**].
Chizarira-NP, Baruri Gorge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chizarira-NP, Manzituba: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Chizarira-NP, Mchesu River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
ChizarIra NP, Manzituba: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
ChIkwarakwara: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
ChIkwarakwara, Pesu R Gorge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
ChIredzi Research Station: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
ChIshawasha: Collection Date Unknown: ?: Collector Unknown: SAMC: 1 [1 - **1** - **1**].
Chori Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Chori Dam, Tokwa Ngarwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Chori Dam,Tokwa Ngarwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Christon Bank: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Civic Centre: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Cleveden Farm, Mangwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Cleveland Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Colleen Bawn: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Collins Farm: 1 January 1974: Fenton, Melville Brock: USNM: 1 [1 - **1** - **1**].
Concession: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Concession, 10 km NW: 15 June 1975: Robbins, Lynn W.: CM: 2 [2 - **2** - **2**].
Cotswold farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Cotter Marondera: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Crowborough Sewage Works: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Crowborough SewageWorks: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Cyrene: 27 April 1976: : HZM: 1 [1 - **1** - **1**].
Dagati Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Dahlia, 4 mi [=6.5 km] E: 3 August 1974: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1**] - 4 August 1974: Hayward, Bruce Joliffe: FMNH: 3 [3 - **3** - **4**].
Dahlia, 5 mi [= 8 km] W: 8 August 1974: Hayward, Bruce Joliffe: FMNH: 33 [33 - **33**] - 8 August 1975: Hayward, Bruce Joliffe: FMNH: 1 [1 - **1** - **34**].
Dam-Wall-G/S-Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Darwendale: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Davimbi School, 5 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Dawn Hill Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Deka-Zambezi R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Deka-Zambezi R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Denja Camp, Matetsi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Dete: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Dett: 15 August 1972: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 5 August 1974: Hayward, Bruce Joliffe: FMNH: 31 [31 - **31** - **32**].
Dibutibu R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Dibutibu R, Batoka: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Dichwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Dick's Mine, Mutanda: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Dinosaur Trackway: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Doddieburn: Collection Date Unknown: Crowcroft, W.P.: BMNH: 1 [1 - **1** - **1**].
Doddieburn Ranch: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, NHMZ: 4 [5 - **5** - **5**].
Dorowa Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Douglasdale: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Dumbu Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Dunblaine Martin Forest: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Dwala Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 7 [7 - **7** - **7**].
Dwala Ranch, Bubiana: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Dwala Ranch, Bubiana River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 8 [8 - **8** - **8**].
Eirene farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 13 [13 - **13** - **13**].
Elrene Farm, Marondera: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Enyandeni: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Esigodini: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Esigodini, Falcon College: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Esigodini, Willow Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Esigodlni, Willow Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Essexvale Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, USNM: 1 [2 - **2** - **2**].
Eyerston Farm: 3 May 1966: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].
Fairbridge Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Fairfield park: 12 December 1963: Begg, G.: USNM: 1 [1 - **1**] - 5 January 1964: Begg, G.: HZM: 2 [2 - **2** - **3**].
Falcon College: Collection Date Unknown: ?: Collector Unknown: NHMZ: 9 [9 - **9** - **9**].
Falcon College School, Mine shaft: 8 April 1980: Cunliffe, R.: NHMZ: 1 [1 - **1** - **1**].
Falcon College, Bushtick Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 96 [96 - **96** - **96**].
Falls road: 29 October 1981: Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 16 [16 - **16** - **16**].
Farm 26, Kwekwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Fern Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - 28 July 1964: Pletts, R.E.: HZM: 1 [1 - **1** - **3**].
Feruka: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Filabusi, 14 km W: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Fishans, Lower Runde R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Forest Hill: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Forest Hill, Lupane: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Fort Cottage: 22 August 1960: Smit, H.A.W.: ZMA: 1 [1 - **1**] - 24 February 1961: Payne-Smit, H.A.W.: ZMA: 1 [1 - **1**] - 1 September 1961: Payne-Smit, H.A.W.: ZMA: 1 [1 - **1** - **3**].
Fort Rixon: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Fortune's Gate: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Frog Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 12 [12 - **12** - **12**].
Frog Mine, Mupfure R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Frogmore: 10 April 1975: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - 11 April 1975: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **3**].
Gatshe Gatshe Bay: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Gem Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gem Farm, Beitbridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Gimboki: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gleneagles: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 19 March 1970: Irwin, Michael P. Stuart: ZMA: 1 [1]; Irwin, Michael P. Stuart; *et al.*: NHMZ: 1 [1]; Irwin, S.: ZMA: 1 [1 - **3** - **4**].
Glenisla, Marondera: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gokwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 24 July 1964: ?: Collector Unknown: DNSM: 2 [2 - **2** - **3**].

Gonarezhou NP, Chipinda Pools: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gonarezhou NP, Chipinda Pools: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Gonarezhou NP, Mabalauta: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Gonarezhou NP, Nyabungwe Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gonarezhou NP,Chipinda Pools: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
GonareZhou-NP, Guluene Corridor South: Collection Date Unknown: ?: Collector Unknown: NHMZ: 23 [23 - **23** - **23**].
GonareZhou-NP, Mabalauta Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gordon Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Gorgman: 7 January 1951: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Goromonzi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gourlays Block: 27 March 1951: National Museum Bulawayo, the: BMNH: 1 [1 - **1** - **1**].
Gowlay Block Lonely Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Graveshead Farm, Bembesi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Great Zimbabwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 41 [41 - **41** - **41**].
Great Zimbabwe, Garden Cave: Collection Date Unknown: ?: Collector Unknown: ROM: 5 [5 - **5**] - 30 May 1972: Peterson, Randolph L.; *et al.*: ROM: 11 [11 - **11** - **16**].
GreatZimbabwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 11, ROM: 1, USNM: 1 [13 - **13** - **13**].
Greendale: 3 February 1961: Smithers, Reay Henry Noble: ROM: 1 [1 - **1** - **1**].
Greystone Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Groenko Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Guhudza Mountain, Chivi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Guluene: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gumela Farm, Kezi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gurungwe: 8 December 1964: Hughes, D.L.: USNM: 1 [1 - **1** - **1**].
Gutu Mission: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Gwaai Reserve, Nata R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gwabalanda: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gwai Bridge, 6 km W on falls road: 30 October 1981: ?: Collector Unknown: TM: 4 [4 - **4** - **4**].
Gwanda: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3]; Carruthers, R.: BMNH: 2 [2 - **5** - **5**].
Gwayi R Bridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Gwayi R Bridge, 2 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gwayi River, 1 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gweru: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Gweru Teachers Training College: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gweru, E: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Gwingingwi farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Haig Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Happy Valley Farm: Collection Date Unknown: ?: Collector Unknown: ROM: 27 [27 - **27**] - 14 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 5 [5 - **5**] - 15 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 16 [16 - **16**] - 16 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 21 [21 - **21** - **69**].
Harare: Collection Date Unknown: ?: Collector Unknown: HZM: 2, NHMZ: 30, SAMC: 1, USNM: 1 [34 - **34** - **34**].
Harare [=Salisbury]: Collection Date Unknown: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Harare [=Salisbury], Thornpark: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Harare Centre: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Harare, 19 km NW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Harare, Atlantica Research Station: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Harare, Borrowdale: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Harare, Borrowdale Brook: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Harare, Christon Bank: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Harare, Civic Centre: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Harare, Cleveland Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Harare, Cranborne: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Harare,16 km NE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Harare,19 km NW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Harare. Cleveland Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Haroni Forest: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Haroni Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Haroni-Lusitu Beacon 74: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Haroni-Lusitu confluence: 24 August 1965: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Haroni-Rus~u R Confluence,: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Haroni-Rusitu R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Hatfield: Collection Date Unknown: Scott-Martin, P.: USNM: 1 [1 - **1**] - 6 October 1961: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1**] - 11 November 1965: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **3**].
Hazeldene: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Heany: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Helensvale: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Henderson Research Station: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1]; Goussard, S.W.: USNM: 1 [1 - **2**] - 13 October 1967: Goussard, S.W.: USNM: 1 [1 - **1** - **3**].
High School Marondera: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Highlands: Collection Date Unknown: Ward, D.: USNM: 1 [1 - **1**] - 20 October 1961: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1**] - 27 July 1963: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1**] - 26 May 1967: ?: Collector Unknown: MNHN: 1 [1 - **1** - **4**].
Highlands School: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hillandale, Kwekwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hillside: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Hippo Valley, Cistrus Estates: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Hippo Valley, Kutanga Estates: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Hippo Valley, Old Village: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Homestead Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Honde-Mtarazi R confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hope Fountain Mission: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Hospital: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hostes Nicoll Research Institute: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 1 January 1974: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 5 January 1974: Fenton, Melville Brock: ROM: 4 [4 - **4**] - 7 January 1974: Fenton, Melville Brock: ROM: 1 [1]; Fenton, Melville Brock; Coutts: ROM: 1 [1 - **2**] - 8 January 1974: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1**] - 9 January 1974: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 10 January 1974: Fenton, Melville Brock: ROM: 2 [2 - **2**] - 17 January 1974: ?: Collector Unknown: TTU: 1 [1]; Fenton, Melville Brock: ROM: 1 [1]; Fenton, Melville Brock; Coutts: ROM: 5 [5 - **7**] - 18 January 1974: Fenton, Melville Brock: ROM: 3 [3 - **3**] - 19 January 1974: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1**] - 7 March 1975: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 9 March 1975: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 1 January 1976: Fenton, Melville Brock; Oxley, D.J.: ROM: 1 [1 - **1**] - 10 June 1977: Fenton, Melville Brock: ROM: 2 [2 - **2**] - 17 October 1979: Fenton, Melville Brock, *et al.*: ROM: 3 [3 - **3**] - 24 October 1979: Fenton, Melville Brock, *et al.*: ROM: 1 [1 - **1**] - 27 October 1979: Fenton, Melville Brock, *et al.*: ROM: 1 [1 - **1**] - 4 November 1979: Fenton, Melville Brock, *et al.*: ROM: 2 [2 - **2** - **35**].
Hostes Nicolle Institute: 9 January 1974: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 18 October 1979: Fenton, Melville Brock, *et al.*: ROM: 2 [2 - **2** - **3**].
Hostes Nicolle Institute of Wildlife Research: 5 January 1974: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1**] - 8 January 1974: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1**] - 13 January 1974: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1**] - 14 January 1974: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1**] - 15 January 1974: Fenton, Melville Brock; Coutts: ROM: 1 [1 - **1** - **5**].
Hoya River Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Hoya River Camp, Muzarabani: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Humane Ranch: 31 May 1972: Dick, J.A.: ROM: 1 [1 - **1**] - 1 June 1972: Dick, J.A.: ROM: 2 [2 - **2**] - 3 June 1972: Dick, J.A.: ROM: 1 [1 - **1**] - 10 June 1972: Fenton, Melville Brock: ROM: 3 [3 - **3** - **7**].
Humani Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5**] - 6 September 1972: Fenton, Melville Brock: ROM: 9 [9 - **9**] - 6 October 1972: Fenton, Melville Brock: ROM: 11 [11 - **11**] - 8 October 1972: Fenton, Melville Brock: ROM: 4 [4 - **4** - **29**].
Hunyani Dam: 10 February 1963: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].
Hwange NP, Bumbusle: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange NP, Dete area: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange NP, Inyantue: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange NP, Kapami: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange NP, Main Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 11 [11 - **11** - **11**].
Hwange NP, Makalowa Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Hwange NP, Mandundumela Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange NP, Ngamo Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Hwange NP, Ngweshla Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange NP, Shapi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange NP, Shumba Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange NP, Umtshibi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange NR Main Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange NR, Ngamo Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange Safari Lodge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Hwange-NP, Main Camp: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NHMZ: 2 [3 - **3** - **3**].
Hwange-NP, Ngamo Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Ingezi River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Ingwe Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 14 [14 - **14** - **14**].
Ingwesi Ranch: 16 August 1958: Stuart Irwin, M.P.: HZM: 1 [1 - **1** - **1**].
Insuza Vlei, Gwaai Forest: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Inwesi Ranch Syringa: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Inyanga: 18 January 1951: ?: Collector Unknown: TM: 1 [1 - **1**] - 29 March 1962: Payne-Smit, H.A.W.: ZMA: 1 [1 - **1** - **2**].
Inyankuni: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Inyati Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Irene Farm: 14 December 1970: : ZMA: 2 [2 - **2** - **2**].
Iron Mask Hills cave: 2 February 1989: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Jeff Estate: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Juliasdale: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kabuba Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Kabuba Camp, Manjolo: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Kambuzuma: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kambuzuma Township: 26 October 1966: ?: Collector Unknown: MNHN: 1 [1 - **1** - **1**].
Kandaha: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kanjedza River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Kanona, 32 mi NE: Collection Date Unknown: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **1**].
Kanona, 42 mi SW: Collection Date Unknown: Leech, Robin E.; Ross, Edward S.: CAS: 1 [1 - **1** - **1**].
Kanyati: Collection Date Unknown: : TM: 1 [1 - **1** - **1**].
Kanyemba: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Kapovka, mount: 16 May 1904: Neave, S.A.: BMNH: 1 [1 - **1** - **1**].
Kariba: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Kariba, 6 km E: 15 June 1975: Robbins, Lynn W.: CM: 2 [2 - **2**] - 18 June 1975: Robbins, Lynn W.: CM: 1 [1 - **1** - **3**].
Kariba, island in: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kariba, lake: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Kariba, Mopane Bay: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Karna Block Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Karoi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - 16 June 1964: Smithers, Reay Henry Noble: AMNH: 2 [2 - **2** - **4**].
Katombora Rapids: Collection Date Unknown: ?: Collector Unknown: NHMZ: 39 [39 - **39** - **39**].
Kaukua Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Kazangula: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Kilworth Estate: 20 May 1972: Peterson, Randolph L.; *et al.*: ROM: 14 [14 - **14** - **14**].
Kingsway: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Kudu Asbestos Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kudzwé [dam]: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 28 July 1986: Cuisance, Dominique: MNHN: 1 [1 - **1**] - 31 July 1986: Cuisance, Dominique: MNHN: 2 [2 - **2** - **11**].
Kudzwe River, near: Collection Date Unknown: ?: Collector Unknown: MNHN: 8 [8 - **8**] - 8 June 1905: ?: Collector Unknown: MNHN: 1 [1 - **1**] - 11 August 1986: ?: Collector Unknown: MNHN: 1 [1 - **1** - **10**].
Kutanga Hippo V. Estates: 11 May 1974: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - 16 May 1974: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **4**].
Kwekwe Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Kwizizi R, Deka Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Kyle Game Reserve: 10 December 1967: Goussard, S.W.: USNM: 2 [2 - **2**] - 11 December 1967: Goussard, S.W.: USNM: 1 [1 - **1**] - 12 December 1967: Goussard, S.W.: USNM: 1 [1 - **1**] - 16 December 1967: Goussard, S.W.: USNM: 8 [8 - **8** - **12**].
Lake Kariba: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Lake Kariba Game Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Lake Kariba Heights: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lake Kariba, Gatshe Gatshe Bay: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Lake Kariba, Kanyati Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lake Kariba, Mwenda: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lake Kyle NP: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Lake Kyle NR: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lake McIlwaine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lake McIlwaine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 15 [15 - **15** - **15**].
Lakeside: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lannerhurst Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Lannerhurst Mine, West Nicolson: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lanninghurst mine: 17 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 23 [23 - **23**] - 18 May 1972: Peterson, Randolph L.; *et al.*: ROM: 28 [28]; Peterson, Randolph L.; Turner, G.E.: ROM: 3 [3 - **31** - **54**].
Le Rhone Lodge, Lake Kyle: 18 January 1973: Wright, Peter J.: ROM: 4 [4 - **4**] - 18 September 1973: Wright, Peter J.: ROM: 1 [1 - **1** - **5**].
Leopard Rock Hotel: 20 September 1967: Setzer, Henry W.: USNM: 3 [3 - **3** - **3**].
Limestone Cave, Kyle: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Limpopo R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Limpopo Valley, Sentinal Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Limpopo-Shashi R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lion and Cheetah Park: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 22 October 1981: ?: Collector Unknown: TM: 2 [2 - **2** - **4**].
Ingwe Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Ingwe Safari: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Insuza Vlei, Gwaai Forest: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lomagundi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lone Star Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Lucilia Port, Shurugwi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lumane Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lunare valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 22 November 1992: Cotterill, F.P.D. [=Woody]: NHMZ: 1 [1 - **1** - **2**].
Lundi [= Runde] R: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Lunzi River: 1 August 1936: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Lusuiu Tsetse Station, Sebungwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lusulu Tsetse Station: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Lusulu Tsetse Station, Sebungwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lutope and Sengwa Rivers confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 29 December 1982: Bell, G.P.: ROM: 3 [3 - **3** - **4**].
Lutope Ngolangola Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 23 [23 - **23**] - 26 October 2000: Cotterill, F.P.D. [=Woody]; Taylor, Peter John: NHMZ: 2 [2 - **2** - **25**].
Lutope-Ngoiangola R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lutope-Ngolangola R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Lutope-Ngolangola R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Mabalanta Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 19 March 1974: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **2**].
Mabura , Cave, Ngondoma R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mabura 1 Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 82 [82 - **82** - **82**].
Mabura 1 Cave, Ngondoma R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Mabura 2 Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mabura 2 Cave, Munyati R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Mabura 2 Cave, Munyati R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
MacDougall's Tunnel: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
MacDougall's Tunnel, Triangle: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Mafungabusi Forest: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Magurazino River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Mahenge, Lower Save: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Maiugwe Pan: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Majorca Ranch, Kwekwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Makonde Hill, Save Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Makurupini: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Makwiro: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Malapati: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Malapati Game Reserve: 18 March 1973: Wright, Peter J.: ROM: 2 [2 - **2** - **2**].
Malapati Nuanetsi River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Malilangwe Conservancy [=Lone Star Ranch]: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Malipati: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Malugwe Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Malve: Collection Date Unknown: Pitman, Charles Robert Senhouse: BMNH: 1 [1 - **1** - **1**].
Mana Pools National Park: 1 July 1990: ?: Collector Unknown: TM: 2 [2]; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **3** - **3**].
Mana Pools National Park, HQ: 1 July 1990: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
Mana Pools NP: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NHMZ: 4 [5 - **5** - **5**].
Mana Pools NP, Nyamepi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Mana Pools NP, Sapi R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mana Pools NR, Nyamepi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mana Pools-NP: Collection Date Unknown: ?: Collector Unknown: HZM: 1, TM: 6 [7 - **7**] - 31 October 1979: Fenton, Melville Brock, *et al.*: ROM: 1 [1 - **1**] - 20 January 1982: Fenton, Melville Brock: ROM: 4 [4 - **4**] - 20 February 1982: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 1 July 1990: ?: Collector Unknown: TM: 1 [1 - **1** - **14**].
Mana Pools-NP, Mondo River, S boundary: 19 November 1994: Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **2** - **2**].
Mana Pools-NP, Nyamepi Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mana Pools-NP, Rukameshi River on SN Game Fence: 21 November 1994: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Mangwe, Vashu Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Mangwe,Vashu Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mangwindi Gorge, Mtillkwe R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Manyambara: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - 6 September 1961: Brain, C.K.: FMNH: 2 [2 - **2** - **4**].
Manyeringa Farm, Guruve: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Manyima River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 15 [15 - **15** - **15**].
Marivaile Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Marivalle Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Marlborough Sewage Works: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Marondera: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Martin Forest Reserve: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 16 November 1967: Goussard, S.W.: USNM: 1 [1 - **1**] - 17 November 1967: Goussard, S.W.: USNM: 2 [2 - **2** - **4**].
Marymount mission: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mashonaland province: 15 May 1893: Brown, Harvey: CM: 1 [1 - **1** - **1**].
Mashonaland West province: Collection Date Unknown: ?: Collector Unknown: SMF: 8 [8 - **8**] - 14 September 1996: ?: Collector Unknown: SMF: 1 [1 - **1** - **9**].
Mashumbi Pools: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mashunga Hande Dam: 6 May 1969: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].
Masingwa R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Masingwa River: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NHMZ: 9 [10 - **10** - **10**].
Masvingo, 160 km NE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Masvingo, 30 km SE: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Masvingo,16 km W: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matabeie Sheba Mine, Esigodini: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matabele Sheba Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matema Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matetsi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matetsi SA, HQ: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matetsi SA, Tshope vlei: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Matobo Hills: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Matobo Hills, Amalinda Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo Hills, Bale Hill Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo Hills, Diana's Pool: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo Hills, Diana's Pool: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Matobo Hills, Lumane Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 7 [7 - **7** - **7**].
Matobo Hills, Mtshavezi Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Matobo Hills, Mtshavezi Valley,: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo Hills, Mtshelele Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo Hills, Shambanyama R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo Hills, Tendele R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo Hills, Totolollo R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Matobo Hills, Totolollo R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo Hllis, Lumane Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo NP: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Matobo NP, Gordon Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo NP, Lower Outspan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Matobo NP, Maleme Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matobo NP, Whitewaters Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Matobo NR, Whitewaters Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Matobo Research Station: Collection Date Unknown: ?: Collector Unknown: NHMZ: 7 [7 - **7** - **7**].
Matopo Hills, Lumane Falls: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Matopo Hills, Maleme Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Matopo, Mtshabezi Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Matusadona National Park: 9 September 1990: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Mavuradonha Wilderness Area: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mazoe: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, NHMZ: 1 [2]; Darling, J.ff.: BMNH: 3 [3 - **5**] - 13 January 1895: Darling, J.ff.: BMNH: 4 [4 - **4**] - 13 June 1895: Darling, J.ff.: BMNH: 1 [1 - **1**] - 7 December 1900: Darling, J.ff.: BMNH: 1 [1 - **1**] - 18 November 1963: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **12**].
Mazoe Citrus Estate: 10 February 1989: ?: Collector Unknown: TM: 2 [2 - **2** - **2**].
Mazoe R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mazowe: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Mbalabala: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Mberengwa Mountain: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Mcheni Gorge: Collection Date Unknown: ?: Collector Unknown: BMNH: 3 [3 - **3** - **3**].
McIlwaine, lake: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Melsetter district: 9 December 1935: White, A.G.: TM: 2 [2 - **2** - **2**].
Merrywaters: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mhangura, 8 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Miami, 4 mi E: 29 November 1961: Mitchell, 1: HZM: 1 [1 - **1** - **1**].
Mill's Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mineral King Farm: 28 January 1974: Dick, J.A.: ROM: 1 [1 - **1** - **1**].
Mkota NR: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Monavale: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Morgenster cave: 3 October 1981: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Morgenster Mission: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Mount Selinda: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Mrewa: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Msandane Hill, Shashi R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Msitive and Mtoroshanga rivers, confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mtshabezi Bridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mtshavezi valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Munyati: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Munyati Bridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Munyati R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Munyati, Rhino [=Chimsoro] Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Murehwa Caves: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Musemu Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Musemu Farm, Norton: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Musengezi River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Musengezi River Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Mushandike NP: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Mushandike NR Matema Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mushandike-NP: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mushandike-NP, Matema Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Mushandlke NP: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mutambaramwe Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mutanda: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Mutanda Hills, Save Drift: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Mutare: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NHMZ: 64, ROM: 37 [102 - **102**] - 21 May 1972: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2**] - 22 May 1972: Peterson, Randolph L.; *et al.*: ROM: 12 [12]; Peterson, Randolph L.; Turner, G.E; Fenton, Melville Brock: ROM: 5 [5 - **17**] - 23 May 1972: Peterson, Randolph L.; *et al.*: ROM: 8 [8]; Peterson, Randolph L.; Turner, G.E; Fenton, Melville Brock: ROM: 17 [17 - **25**] - 24 May 1972: Peterson, Randolph L.; Turner, G.E; Fenton, Melville Brock: ROM: 2 [2 - **2**] - 1 May 1975: ?: Collector Unknown: TM: 1 [1]; LaVal, Richard K.: KU: 8 [8 - **9**] - 5 December 1995: ?: Collector Unknown: DNSM: 25 [25 - **25** - **182**].
Mutare Asbestos Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 39 [39 - **39** - **39**].
Mutare Boys High School: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mutare Museum: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mutare,15 km W: Collection Date Unknown: ?: Collector Unknown: NHMZ: 11 [11 - **11** - **11**].
Mutoko Communal Land, Nyandia Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Muzarabani Clinic: Collection Date Unknown: ?: Collector Unknown: NHMZ: 17 [17 - **17** - **17**].
Muzarabani, Arda Office: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Muzarabani, Staff House: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Muzvezve Communal Land: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Muzvezve NR: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Muzvezve Resettlement Scheme: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mvuma: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Mvuma, 6 km SW: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mvurwi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Mzankwe Bridge, 3 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Mzola Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Nampini: Collection Date Unknown: Arends, Nicholas P.: AMNH: 1 [1 - **1**] - 7 August 1949: Carp, B.: SMF: 1 [1 - **1** - **2**].
N'dola: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
near Lake McIlwaine, Triumph mine: 6 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1**] - 7 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1** - **2**].

Netridge Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - 2 April 1973: Wright, Peter J.: ROM: 3 [3 - **3**] - 13 April 1973: Wright, Peter J.: ROM: 11 [11 - **11** - **18**].
Netridge Farm, Calcite Cave: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Ngamo Gwaai Reserve: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Ngondoma, Mabura 1 Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Ngorima Reserve: Collection Date Unknown: ?: Collector Unknown: USNM: 2 [2 - **2**] - 26 November 1967: Goussard, S.W.: USNM: 10 [10 - **10**] - 1 December 1967: Goussard, S.W.: USNM: 1 [1 - **1** - **13**].
No 2 Adit: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Norah Valley Bromley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Norton, 18 mi W: 22 September 1961: Kemp, A.C.: HZM: 1 [1 - **1** - **1**].
Nottingham Estates: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Ntabanende farm, Esigodini: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nuanetsi Ranch Headquarters: 25 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1**] - 26 May 1972: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1**] - 27 May 1972: Peterson, Randolph L.; *et al.*: ROM: 27 [27]; Peterson, Randolph L.; Turner, G.E.: ROM: 4 [4 - **31**] - 28 May 1972: Peterson, Randolph L.; *et al.*: ROM: 3 [3 - **3** - **36**].
Nuanetsi Ranch Headquarters, 1.6 km W: 29 May 1972: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2** - **2**].
Nuanetsi Ranch Headquarters, 18 km W: 26 May 1972: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2** - **2**].
Nuanetsi Ranch Headquarters, 26 km W: 29 May 1972: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2** - **2**].
Nungu Dam: 27 May 1972: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2**] - 28 May 1972: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1** - **3**].
Nwanetsi: Collection Date Unknown: ?: Collector Unknown: TM: 3 [3 - **3** - **3**].
Nyadire River Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Nyadire River Camp, Pfungwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Nyadiri R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Nyadiri R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nyadiri River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nyadiri River, near bridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nyadlre River Camp, Pfungwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nyagui R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Nyagui R, 2 km N of Chenjerai confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nyagui R,2 km N of Chenjerai confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Nyajena: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Nyamandhlovu: Collection Date Unknown: ?: Collector Unknown: NHMZ: 10 [10 - **10** - **10**].
Nyamunyeche: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Nyamunyeche, Mvurwi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Nyandia Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 13 [13 - **13** - **13**].
Nyanga: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Nyanumi River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Nyanyana campsite: 9 February 1989: ?: Collector Unknown: TM: 1 [1 - **1** - **1**].
Nyashato Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 35 [35 - **35** - **35**].
Nyazura: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Odzi: Collection Date Unknown: ?: Collector Unknown: BMNH: 1, NHMZ: 4 [5 - **5** - **5**].
Odzi district: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 19 October 1948: Miller, N.C.E.: BMNH: 1 [1 - **1** - **2**].
Old Mine Adit [=Umtali Old mine]: 7 October 1981: ?: Collector Unknown: TM: 17 [17 - **17**] - 17 October 1981: ?: Collector Unknown: TM: 5 [5 - **5** - **22**].
Old Umtali: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Orchard Cave: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NHMZ: 2 [3 - **3** - **3**].
Parkmeadowland: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Peak Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Peak Mine, Belingwe: Collection Date Unknown: ?: Collector Unknown: HZM: 1 [1 - **1** - **1**].
Penalice Farm: 31 December 1964: Smithers, Reay Henry Noble: HNHM: 1 [1 - **1** - **1**].
Penhalonga: Collection Date Unknown: ?: Collector Unknown: NHMZ: 10 [10 - **10** - **10**].
Penrose Farm,: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Penrose Farm, Mvurwi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 9 July 1961: ?: Collector Unknown: FMNH: 2 [2]; Guy, G.L.: USNM: 1 [1 - **3** - **4**].
Pesu R Gorge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Pesu River Gorge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Peterhouse School: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4**] - 18 February 1970: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - 24 February 1970: Ginn, P.J.G.: NHMZ: 1 [1 - **1**] - 10 March 1970: Ginn, P.J.G.: NHMZ: 1 [1 - **1**] - 21 December 1970: Ginn, P.J.G.: NHMZ: 1 [1 - **1** - **8**].
Plumtree School: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Porte Angwa Junction: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Princess Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Princess Farm,: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Princess Farm, Shurugwi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Pungwe River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Pungwe-Ruva confluence: 1 July 1968: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 11 July 1968: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **4**].
Pungwe-Rwera R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Quagga Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Quaggas Hoek: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Radio Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Rainham: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 18 November 1970: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **2**].
Ramofu Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].

Ranelia: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Razi Chibi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Red Hill Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Redbank, Nyamandlovu: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Redrups Kop Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Retreat Farm: Collection Date Unknown: Peterson, Randolph L.: ROM: 1 [1 - **1**] - 30 May 1972: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2**] - 31 May 1972: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1**] - 1 June 1972: Peterson, Randolph L.; *et al.*: ROM: 6 [6 - **6**] - 2 June 1972: Peterson, Randolph L.: ROM: 1 [1]; Peterson, Randolph L.; *et al.*: ROM: 8 [8]; Peterson, Randolph L.; Turner, G.E.: ROM: 5 [5 - **14**] - 3 June 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1** - **25**].
Rhodes Inyanga National Park: Collection Date Unknown: ?: Collector Unknown: TM: 2 [2 - **2**] - 2 October 1981: ?: Collector Unknown: TM: 2 [2 - **2**] - 11 October 1981: ?: Collector Unknown: TM: 2 [2]; Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Wolhuter, P.J.: TM: 1 [1 - **3**] - 1 November 1981: ?: Collector Unknown: TM: 1 [1 - **1**] - 2 November 1981: ?: Collector Unknown: TM: 1 [1 - **1** - **9**].
Rhodes Matopos -Nature Park [=Matobo National Park]: 1 November 1981: ?: Collector Unknown: TM: 5 [5]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 4 [4]; Wright; Rautenbach, Ignatius Lourens [=Naas]: NHMZ: 1 [1 - **10**] - 2 November 1981: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]; Wright, Peter J.: DNSM: 1 [1 - **9** - **19**].
Rhodes Nyanga-NP: 16 November 1996: Kearney, Teresa Catherine: DNSM: 1 [1 - **1** - **1**].
Rifle Range: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Rifle Range, Kwekwe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
River Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Ruenya R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Rungwe R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Rupisi Hot Spring: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Rusape-Nyanga: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Rusito forest, Rustio River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1, TM: 6 [7]; Transvaal Museum Expedition, The: TM: 1 [1 - **8**] - 14 October 1981: ?: Collector Unknown: TM: 3 [3 - **3**] - 15 October 1981: ?: Collector Unknown: TM: 3 [3]; Transvaal Museum Expedition, The: TM: 1 [1]; Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **5**] - 16 October 1981: ?: Collector Unknown: TM: 6 [6]; Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **7** - **23**].
Rusitu Forest: Collection Date Unknown: ?: Collector Unknown: NHMZ: 10 [10 - **10** - **10**].
Rusper Farm: 4 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 6 [6 - **6** - **6**].
Ruya R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Ruya R,: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Ruya R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Sabi [= Save] R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sabi-Lundi [= Save-Runde] R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4, USNM: 2 [6]; Liversedge, T.N.: USNM: 1 [1 - **7**] - 15 January 1968: Liversedge, T.N.: USNM: 3 [3 - **3**] - 16 January 1968: Liversedge, T.N.: USNM: 1 [1 - **1**] - 17 January 1968: Liversedge, T.N.: USNM: 1 [1 - **1** - **12**].
Sabi-Lundi confluence: 15 January 1968: Liversedge, T.N.: ROM: 1 [1 - **1** - **1**].
Sabi-Lundi junction: Collection Date Unknown: Carp, B.: KM: 1 [1]; Liversedge, T.N.: USNM: 1 [1 - **2**] - 5 June 1950: Carp, B.: TM: 1 [1 - **1** - **3**].
Sabi-Lundi River, S junction: 4 June 1950: Carp Expedition, The: TM: 1 [1 - **1** - **1**].
Sable Peak Farm, Concession: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Safari Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Saffron Walde R, Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Saffron Walden, Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sailsbury: 26 August 1982: Marshal, Guy A.R.: SAMC: 1 [1 - **1** - **1**].
Salisburg: 5 March 1973: : AMNH: 2 [2 - **2** - **2**].
Salisbury: Collection Date Unknown: Loure; Hickmans: USNM: 1 [1]; Setzer, Henry W.: USNM: 1 [1 - **2**] - 20 October 1961: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - 31 October 1961: Guy, G.L.: ROM: 1 [1 - **1**] - 3 July 1962: Begg, G.: USNM: 1 [1 - **1**] - 14 July 1962: Shone, A.P.: HZM: 1 [1 - **1**] - 17 July 1962: Shone, A.P.: HZM: 1 [1 - **1**] - 20 October 1963: Smithers, Reay Henry Noble: HZM: 2 [2 - **2**] - 3 May 1968: Baddeley, M. St. C.: ROM: 2 [2 - **2** - **11**].
Salisbury Street: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Salisbury, Borrowdale Road: Collection Date Unknown: Brown, H.D.: TM: 1 [1 - **1** - **1**].
Samalanga Pan: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Samalema Gorge, Mwenezi R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Samalema Gorge, Mwenezi R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Samba Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sandstone Fissure: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sanyati West Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Sauerstown: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Save Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Save Valley, Chipingayi Bridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Save Valley, Makonde Hill: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Save-Lunde R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Save-Lunde R Confluence, Marhumbini: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Save-Lunde R Confluence, Marhumbinl: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sebakwe River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Selenda, mount: 22 September 1923: Streeter, J.: TM: 1 [1 - **1** - **1**].
Selinda: 9 December 1935: White, A.G.: TM: 1 [1 - **1** - **1**].
Selinda, mount: Collection Date Unknown: Sandground, Jack Henry: MCZ: 7 [7 - **7**] - 24 November 1929: Boulton, Rudyerd; Boulton, Laura: CM: 3, MCZ: 2 [5 - **5**] - 26 November 1929: Boulton, Rudyerd; Boulton, Laura: CM: 6 [6 - **6**] - 22 December 1937: White, A.G.: MCZ: 1 [1 - **1**] - 3 October 1967: Setzer, Henry W.: USNM: 1 [1 - **1** - **20**].
Selous: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Selukwe: Collection Date Unknown: Stevenson, Roy Hew Russell: AMNH: 1 [1 - **1**] - 30 June 1910: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 1 January 1923: Ellenberger, B.: MNHN: 1 [1 - **1** - **3**].
Sengereri Hills: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sengereri Hills: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Sengwa Wildlife Research Area: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NHMZ: 17, ROM: 1 [19 - **19**] - 5 January 1974: Fenton, Melville Brock: USNM: 2 [2 - **2**] - 10 January 1974: Fenton, Melville Brock: USNM: 3 [3 - **3**] - 13 January 1974: Fenton, Melville Brock: USNM: 1 [1 - **1**] - 10 June 1977: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 26 October 1981: ?: Collector Unknown: DNSM: 1 [1]; Wright; Rautenbach, Ignatius Lourens [=Naas]: NHMZ: 1 [1 - **2**] - 27 October 1981: ?: Collector Unknown: DNSM: 1 [1 - **1** - **29**].
Sengwa Wildlife Research Station: Collection Date Unknown: ?: Collector Unknown: NHMZ: 28, ROM: 33, TM: 32 [93 - **93**] - 23 October 1981: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; Wright, Peter J.: TM: 16 [16 - **17**] - 24 October 1981: Rautenbach, Ignatius Lourens [=Naas]; Wright, Peter J.: TM: 1 [1 - **1**] - 26 October 1981: ?: Collector Unknown: TM: 4 [4]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 3 [3]; Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **8**] - 27 October 1981: ?: Collector Unknown: DNSM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 2 [2 - **3**] - 28 October 1981: ?: Collector Unknown: TM: 1 [1]; Rautenbach, Ignatius Lourens [=Naas]; *et al.*: TM: 6 [6 - **7** - **129**].
Sengwe: 4 February 1982: Fenton, Melville Brock: ROM: 2 [2 - **2** - **2**].
Sengwe Wildlife Research Area: Collection Date Unknown: Bell, G.P.: ROM: 1 [1 - **1**] - 1 January 1982: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 14 January 1982: Fenton, Melville Brock: ROM: 2 [2 - **2**] - 16 January 1982: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 24 January 1982: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 29 January 1982: Fenton, Melville Brock: ROM: 3 [3 - **3**] - 30 January 1982: Fenton, Melville Brock: ROM: 3 [3 - **3**] - 10 February 1982: Fenton, Melville Brock: ROM: 1 [1 - **1**] - 11 February 1982: Fenton, Melville Brock: ROM: 4 [4 - **4**] - 23 December 1982: Bell, G.P.: ROM: 1 [1 - **1**] - 29 December 1982: Bell, G.P.: ROM: 1 [1 - **1**] - 8 January 1983: Bell, G.P.: ROM: 1 [1 - **1**] - 7 April 1983: Bell, G.P.: ROM: 1 [1 - **1**] - 3 May 1983: Bell, G.P.: ROM: 1 [1 - **1** - **22**].
Sentinal Ranch: Collection Date Unknown: ?: Collector Unknown: NHMZ: 15, TM: 1 [16 - **16**] - 20 January 1990: ?: Collector Unknown: TM: 1 [1]; Neser, N.: TM: 1 [1]; Neser, Walter: TM: 5 [5 - **7**] - 10 February 1990: ?: Collector Unknown: TM: 1 [1]; Neser, Walter: TM: 1 [1 - **2** - **25**].
Sentinel Ranc!1, Tongani R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Sentinel Ranch: Collection Date Unknown: ?: Collector Unknown: HZM: 1, NHMZ: 62 [63 - **63**] - 5 May 1960: R.S.E.S: HZM: 1 [1 - **1**] - 2 June 1960: R.S.E.S: HZM: 1 [1 - **1**] - 4 July 1963: ?: Collector Unknown: DNSM: 3 [3 - **3**] - 3 July 1964: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 20 January 1990: Neser, Walter: TM: 1 [1 - **1** - **70**].
Sentinel Ranch, Limpopo River: 4 July 1963: ?: Collector Unknown: DNSM: 17 [17 - **17** - **17**].
Shabani [= Zvishavane], 24 km N: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Shambayetu Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Shamva, 48 km NE: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Shangani Bridge, Lubimbi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3** - **3**].
Shangani R, Mzola Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Shangani R., Mzola Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Shangani River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Shashe: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Shashi Rocks: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Shinda Estates: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 21 August 1974: RSVS: NHMZ: 1 [1 - **1** - **2**].
Shurugwi: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6 [6 - **6** - **6**].
Shurugwi, 2 km E: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Silinda, mount: 25 September 1923: Streeter, F.: TM: 1 [1 - **1**] - 9 December 1935: White, A.G.: TM: 2 [2 - **2**] - 22 December 1937: White, A.G.: TM: 1 [1 - **1** - **4**].
Sinela caves: 9 March 1958: Leech, Robin E.; Ross, Edward S.: CAS: 2 [2 - **2** - **2**].
Singama: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1** - **1**].
Singereri Hills: Collection Date Unknown: ?: Collector Unknown: NHMZ: 6, ROM: 1 [7 - **7**] - 1 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 51 [51 - **51**] - 2 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 3 [3 - **3** - **61**].
Sinoia: 24 September 1962: Pavey, T.D.K.: BMNH: 1 [1 - **1** - **1**].
Sinoia caves: 9 March 1958: Leech, Robin E.; Ross, Edward S.: CAS: 6 [6 - **6** - **6**].
Sohwe River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
South Rhodesia: 1 January 1986: Cuisance, Dominique: MNHN: 2 [2 - **2** - **2**].
Southerton: 31 October 1961: Grey, G.L.: ROM: 1 [1]; Guy, G.L.: FMNH: 2, USNM: 1 [3 - **4** - **4**].
St Carera Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
St James Mission: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
St James Mission, Nyamandlovu: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Stratton Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Strickland Lodge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Tanganda Bridge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Tashinga: Collection Date Unknown: ?: Collector Unknown: NHMZ: 12 [12 - **12** - **12**].
Terendali Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Tetse fly gate: 28 November 1994: Rautenbach, Ignatius Lourens [=Naas]: TM: 1 [1 - **1** - **1**].
The Homestead: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 21 January 1986: Cotterill, F.P.D. [=Woody]: TM: 2 [2 - **2** - **3**].
The Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Thompark: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Thornpark: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Thornpark Estate: 3 December 1961: Smithers, Reay Henry Noble: HZM: 1 [1 - **1** - **1**].
Tingwa R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Tingwa R, Mavuradonha: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Tingwa River: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Toronto: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Torre: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].

Torre, Marondera: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Triangle: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 22 May 1974: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **2**].
Triangle Game Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Triangle, MacDougall's Tunnel: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Triangle, near: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Triumph Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2**] - 6 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 16 [16 - **16**] - 7 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 30 [30 - **30** - **48**].
Trumph Mine: Collection Date Unknown: ?: Collector Unknown: ROM: 1 [1 - **1** - **1**].
Tshakabika: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Tsungwesi Guano Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 14 [14 - **14** - **14**].
Tuli Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 27 [27 - **27** - **27**].
Tuli Safari Area: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Tupton, Marondera: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Twentydales: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Umfuleni Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Umfuli River: Collection Date Unknown: Marshall, G.A.K.: BMNH: 1 [1 - **1** - **1**].
Umkhondo Mine: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Umtali: 18 June 1960: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - 10 May 1962: Broadley, D.G.: HZM: 1 [1 - **1** - **2**].
Umtali mine adit: Collection Date Unknown: ?: Collector Unknown: DNSM: 1 [1 - **1**] - 29 April 1968: van der Merwe, Mac: TM: 1 [1 - **1**] - 17 May 1981: ?: Collector Unknown: DNSM: 1 [1]; Wingate, Lloyd R.; Wright, Peter J.: DNSM: 1 [1 - **2**] - 7 October 1981: Dippenaar, Nicolaas Jacobus [=Nico]; Rautenbach, Ignatius Lourens [=Naas]; Wolhuter, David A.; Wolhuter, P.J.: TM: 12 [12]; Rautenbach, Ignatius Lourens [=Naas]; Bronner, Gary Neil; Schlitter, Duane Albert (Dr.): TM: 1 [1]; Transvaal Museum Expedition, The: TM: 26 [26 - **39**] - 17 October 1981: ?: Collector Unknown: DNSM: 3 [3]; Transvaal Museum Expedition, The: TM: 4 [4]; Wright; Rautenbach, Ignatius Lourens [=Naas]: TM: 2 [2 - **9**] - 17 November 1981: Transvaal Museum Expedition, The: TM: 8 [8 - **8** - **60**].
Umtali Old Mine: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1**] - 10 June 1947: Miller, N.C.E.: BMNH: 1 [1 - **1**] - 19 June 1960: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - 12 December 1960: Smithers, Reay Henry Noble: HZM: 1 [1 - **1**] - 19 March 1962: Broadley, D.G.: HZM: 1 [1 - **1** - **5**].
Umtali, 10 mi [= 16 km] from, on Vumba road: 5 February 1962: ?: Collector Unknown: FMNH: 2 [2 - **2** - **2**].
Umtali, 3 mi from, on Uumbra road: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Umzingwane R.: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Union Avenue: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Unknown locality: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Urungwe Safari Area: Collection Date Unknown: : TM: 1 [1 - **1** - **1**].
Vashu Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Victoria Falls: Collection Date Unknown: ?: Collector Unknown: NHMZ: 11 [11 - **11**] - 4 November 1919: Raven, Henry Cushier: USNM: 1 [1 - **1**] - 6 November 1919: Raven, Henry Cushier: USNM: 1 [1 - **1**] - 14 November 1919: Raven, Henry Cushier: USNM: 6 [6 - **6**] - 8 March 1925: Brooks, Winthrop Sprague: MCZ: 1 [1 - **1**] - 15 July 1976: Hatton, R.S.: KU: 1 [1 - **1**] - 1 June 1987: WHO; Colyn, Marc: RMCA: 1 [1 - **1** - **22**].
Victoria Falls, Lodge 18: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Victoria Falls, Zambezi Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Victory Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Virginia Farm, Glendale: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Viro Hill: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Viro Hill, Kachuta Mhangura: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Volunteer Farm: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Volunteer Farm, Main Camp: Collection Date Unknown: ?: Collector Unknown: NHMZ: 5 [5 - **5** - **5**].
Volunteer Farm, Main Dam: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Volunteer Farm, Zwikungwa: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Volunteer farms: Collection Date Unknown: ?: Collector Unknown: NHMZ: 7 [7 - **7** - **7**].
Vumba: Collection Date Unknown: ?: Collector Unknown: NHMZ: 3 [3 - **3**] - 14 December 1937: White, A.G.: MCZ: 2, TM: 3 [5 - **5**] - 14 December 1939: White, A.G.: TM: 1 [1 - **1** - **9**].
Vumba National Park: Collection Date Unknown: ?: Collector Unknown: USNM: 1 [1 - **1** - **1**].
Wallaby Claims: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1**] - 3 March 1957: Smithers, Reay Henry Noble: BMNH: 1 [1 - **1** - **2**].
Wankie-NP: 20 March 1972: Herbert, H.J.: NHMZ: 1 [1 - **1**] - 1 August 1974: Hayward, Bruce Joliffe: FMNH: 24 [24 - **24**] - 3 August 1974: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 6 August 1974: Hayward, Bruce Joliffe: FMNH: 19, WNMU: 4 [23 - **23**] - 7 August 1974: Hayward, Bruce Joliffe: FMNH: 2 [2 - **2**] - 24 April 1975: LaVal, Richard K.: KU: 1 [1 - **1** - **53**].
Wankie-NP, Inyantue: 13 November 1972: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Wankie-NP, Maduni Dumela: 5 April 1971: Wilson, Vivian J.: NHMZ: 1 [1 - **1** - **1**].
Wankie-NP, Makalowa: 27 May 1972: Wilson, Vivian J.: NHMZ: 1 [1 - **1**] - 28 May 1972: Wilson, Vivian J.: NHMZ: 1 [1 - **1** - **2**].
Wankie-NP, Ngamo Pans: 27 May 1972: Wilson, Vivian J.: NHMZ: 1 [1 - **1** - **1**].
Wankie-NP, Ngweshla: 27 May 1972: Wilson, Vivian J.: NHMZ: 1 [1 - **1** - **1**].
Warren Hills: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Waterfalls: 23 November 1964: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].
Wessex Farm Ruwa: 9 November 1963: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].
West Nicholson: Collection Date Unknown: ?: Collector Unknown: BMNH: 1 [1 - **1**] - 17 May 1972: Peterson, Randolph L.; Turner, G.E.: ROM: 1 [1 - **1** - **2**].
West Nicholson, 5 km W: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Westwood Lodge: Collection Date Unknown: ?: Collector Unknown: NHMZ: 4 [4 - **4** - **4**].
Westwood Vlei: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].
Wilderness Area: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Wildwood Sanctuary: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Willow Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Willow Park: Collection Date Unknown: ?: Collector Unknown: NHMZ: 10 [10 - **10** - **10**].

Wolfshaw Pass: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Zambesi-Chewore junction: 20 August 1962: Guy, G.L.: HZM: 1 [1 - **1** - **1**].
Zambesidal: Collection Date Unknown: Holub, Emil: SMNS: 1 [1 - **1** - **1**].
Zambezi - Chewore junction: 27 August 1962: Smithers, Reay Henry Noble: AMNH: 1 [1 - **1** - **1**].
Zambezi R: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Zambezi Valley: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Zambezi-Cherowe Junction: 24 August 1962: Guy, G.L.: HZM: 1 [1 - **1** - **1**].
Zambezi-Chwore R Confluence: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Zambezi-Namakunda R Confluence, Katombora: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Zimbabwe mine: 17 March 1971: ?: Collector Unknown: DNSM: 1 [1 - **1** - **1**].
Zimbabwe National Park: 17 March 1972: Wright, Peter J.: ROM: 1 [1 - **1**] - 30 May 1972: Peterson, Randolph L.; *et al.*: ROM: 1 [1 - **1**] - 31 May 1972: Peterson, Randolph L.; *et al.*: ROM: 2 [2 - **2**] - 5 August 1972: Wright, Peter J.: AMNH: 1 [1 - **1**] - 26 October 1972: Wright, Peter J.: AMNH: 1 [1 - **1**] - 28 October 1972: Wright, Peter J.: AMNH: 3 [3 - **3**] - 30 October 1972: Wright, Peter J.: AMNH: 1 [1 - **1**] - 3 November 1972: Wright, Peter J.: AMNH: 6 [6 - **6**] - 4 November 1972: Wright, Peter J.: AMNH: 1 [1 - **1**] - 5 November 1972: Wright, Peter J.: AMNH: 3 [3 - **3**] - 7 November 1972: Wright, Peter J.: AMNH: 4 [4 - **4**] - 14 November 1972: Wright, Peter J.: AMNH: 2 [2 - **2**] - 14 December 1972: Wright, Peter J.: AMNH: 1 [1 - **1**] - 18 December 1972: Wright, Peter J.: AMNH: 3 [3 - **3**] - 17 January 1973: Wright, Peter J.: ROM: 4 [4 - **4**] - 18 January 1973: Wright, Peter J.: ROM: 10 [10 - **10**] - 13 March 1973: Wright, Peter J.: ROM: 1 [1 - **1**] - 23 March 1973: Wright, Peter J.: ROM: 3 [3 - **3**] - 27 March 1973: Wright, Peter J.: ROM: 3 [3 - **3**] - 29 March 1973: Wright, Peter J.: ROM: 2 [2 - **2**] - 2 April 1973: Wright, Peter J.: ROM: 1 [1 - **1**] - 17 May 1973: Wright, Peter J.: ROM: 1 [1 - **1**] - 12 June 1973: Wright, Peter J.: ROM: 1 [1 - **1**] - 15 June 1973: Wright, Peter J.: ROM: 1 [1 - **1**] - 12 October 1973: Wright, Peter J.: ROM: 1 [1 - **1** - **58**].
Zimbabwe National Park, 4 mi [=7.2 km] S: 13 August 1974: Hayward, Bruce Joliffe: FMNH: 11 [11 - **11** - **11**].
Zimbabwe Ruins: 2 October 1981: ?: Collector Unknown: TM: 16 [16]; Transvaal Museum Expedition, The: TM: 1 [1 - **17** - **17**].
Ziwa Nyanga: Collection Date Unknown: ?: Collector Unknown: NHMZ: 1 [1 - **1** - **1**].
Zvarayi Cave: Collection Date Unknown: ?: Collector Unknown: NHMZ: 2 [2 - **2** - **2**].

Total Specimens for Zimbabwe: 3926

Grand total: 129845

Appendix 4d: Collector Biographies

Dr. William Louis Abbott

Born: 1860 - Died: 1936

Corbet and Hill (1992): American physician and traveller; collected mammals in the Himalayas and Thailand in the 1890's and in Sumatra, Borneo and adjacent small islands between 1902 and 1908, for the US National Museum.

William L. Abbott studied medicine at the University of Pennsylvania and, after receiving an M.D., continued his training in London. Although a highly successful student, he seems never to have fully committed to medicine. Instead, around 1880, using his own resources, he turned to a life of exploration and the study of natural history.

Abbott's early expeditions began in the United States; but, in time, he went abroad at ever increasing distances, to the Greater Antilles, East Africa, Kashmir, and Turkistan. In 1896, he began work in Malaya and Indonesia that would largely occupy him until 1915. Using Singapore as a base, he sailed his ship, the Terrapin, to points on both coasts of the Malay Peninsula, Trang in Thailand, the Anambas Islands, the Mergui Archipelago, the Nicobars and Andamans, both coasts of Sumatra and the nearby islands (notably Nias, the Mentawai Islands, and Enggano), the Rhio Archipelago, and Borneo. On many voyages, he collected both biological and ethnological specimens and photographs. At times, however, he was accompanied by the Englishman Cecil Boden Kloss, who handled the ethnological work. Kloss retained his own notes and many of his photographs.

Abbott's work in 1916 and 1923 was in Haiti and the Dominican Republic. Afterwards, he retired to a farm on the Elk River in Maryland.

Abbott has been described as one of the great field naturalists of all time simply for the quantity of material he collected. Virtually the only body of work he left is his large collection of specimens and the notes, letters, and photographs that relate to them. Although he contributed to the collections of several museums, the chief benefactor was the United States National Museum. Its staff and associates produced around forty publications based on his material. Abbott himself published very little.

The papers appear to have been brought together in the Smithsonian's Department of Anthropology to process ethnological specimens from Malaya and Indonesia and to prepare publications and an exhibit. Included are some of Abbott's original letters, notes, maps, and many photographs. Most of these materials concern the Enggano, Jakun, and Dyak. Many other documents are copies of or extracts from Abbott's letters. The originals are now in the Smithsonian Archives. There are a few manuscripts, many simple lists of accessions compiled in the Department of Anthropology, and letters and other materials of Otis T. Mason and Walter Hough accumulated as they worked on the collections. In addition, there are printed materials apparently used by the department's staff for reference purposes. Some photographs made in Borneo in 1914 are by Henry C. Raven, Abbott's field assistant and, later, an independent collector financed by Abbott.

Other than Kloss, Mason, and Hough, correspondents include J. Walter Fewkes, William H. Furness III, Alfred C. Haddon, Aleš Hrdlicka, Elmer D. Merrill, and William Palmer. None of the correspondence is extensive. Additional materials of Abbott and Raven are in the Smithsonian Institution Archives, and their materials (often duplicate photographs) are included in several collections in the National Anthropological Archives.

Beolens *et al.* (2009: 18): Dr. William Louis Abbott (1860–1936) was a student, naturalist, and collector. He initially qualified as a medical doctor at the University of Pennsylvania and worked as a surgeon at Guy's Hospital in London. However, he decided not to pursue medicine but instead to use his private wealth for scientific exploration. In 1880, as a student, he had collected in Iowa and Dakota, and in 1883 in Cuba and San Domingo. In 1887 he went to East Africa, spending two years there. From 1891 he studied the wildlife of the Indo-Malayan region, using his Singapore-based ship *Terrapin*, and made large collections of mammals from Southeast Asia for the National Museum of Natural History (Smithsonian) in Washington, DC, USA. In 1897 he switched to Siam (Thailand) and spent 10 years exploring and collecting in and around the China Sea. He provided much of the Kenya material in the Smithsonian and was the author of "Ethnological Collections in the United States National Museum from Kilima-Njaro, East Africa," published in the museum's Annual Report for 1891. In 1917 he returned to San Domingo (Hispaniola), exploring the interior. He retired to Maryland but continued his lifelong study of natural history until his death. He is also commemorated in the names of several birds, such as Abbott's Babbler *Malacocincla abbotti* and Abbott's Starling *Cinnyricinclus femoralis*, and of a lizard, Abbott's Day Gecko *Phelsuma abbotti*. The duiker is found in the highlands of Tanzania and the gibbon in western Borneo.

Dr. Villy Aellen

Born: 4 December 1926 - Died: 22 January 2000

Prof. Aellen (1926 - 2000) was a mammalogist at the Muséum d'histoire naturelle de Genève from 1954 to his retirement in 1989, where he also served as curator, assistant director, and director (Mahnert 2000).

AEW (Agricultural Extension Workers)

Born: ? - Died: ?

Agricultural Extension Workers

Bernard Risky Agwanda

Born: ? - Died: ?

Research scientist and curator of mammals at the National Museums of Kenya.

Carl Ethan Akeley

Born: 9 May 1864: Clarendon, N.Y., U.S.A. - Died: 1926

At the age of thirteen, Akeley became interested in birds. With the aid of a borrowed book Akeley was able to teach himself the procedures of taxidermy up to a point where he felt justified in having business cards printed announcing that he did "artistic taxidermy in all its branches."

In the fall of 1883 at the age of 19, he decided to widen his interests in the field of taxidermy. Over in the nearby town of Brockport there was an Englishman by the name of David Bruce whose hobby it was to do taxidermy. Bruce advised a young Akeley to apply for a job with the famous Wards Natural Science Establishment in Rochester New York. Akeley followed that advice and was subsequently hired by the owner, Professor Henry J Ward. Akeley left this establishment briefly for a period of six months to work with New York taxidermist John Wallace.

Offered an opportunity to further his education through the courtesy of a former employee to Wards now teaching at a High School in Milwaukee, Akerley left Wards and took a position in the Museum to support his educational expenses. It became the turning point of Carl's career where over the eight years that he worked at the museum he was able put into practice many of the ideas he had theorized over during his tenure at Wards. Due to his outstanding work in both taxidermy and museum exhibit's, he was offered a position with the British Museum in London. He accepted and on his way there decided to stop off in Chicago for a visit to the Field Museum of Natural History, which had only recently been founded. Whilst he was at the Field Museum, the officials hearing of the offer made by the British museum offered him a much better contract and the opportunity to go on expedition to Africa to secure specimens. He accepted on the spot.

See: http://www.taxidermy4cash.com/akeley.html

Captain Alexander

Born: ? - Died: ?

Possibly Captain Claud Alexander, who died on 13 November 1904 at Fort Maifoni, Africa. He was the brother of Lt. Boyd Francis Alexander (°1873), who was murdered by tribesmen in the Sudan on 2 April 1910. Both became Captain, but Boyd Francis is generally mentioned as "Lt.".

Captain Boyd Francis Alexander

Born: 16 January 1873: Cranbrook, Kent, England - Died: 2 April 1910: near Nyeri, Sudan

Captain Boyd Alexander was the oldest son of Lt. Colonel Boyd Francis Alexander (1834-1917), and brother of Captain Claud Alexander.

In 1897 - 1898, he led an expedition to the Cape Verdian Islands, and in 1898 - 1899 to the Zambesi and Kafuc rivers to study birds. In 1899, he joined the Gold Coast constabulary and took part in the relief of Kumasi in 1900. In 1902, he led an expedition to Fernando Po which resulted in a successful ascent of Mount St. Isabel and the discovery of many new birds

He also led the Alexander-Gosling expedition, travelling across Africa from the Niger to the Nile, exporing the area around Lake Chad. Other participants on this expedition were his brother Claud, Captain G. B. Gosling, P.A. Talbot and José Lopes. In February 1904 they set off from the mouth of the Niger, travelling upriver to Lokoja. Claud died in October of enteric fever after making a survey of the Murchison Range. Boyd and Gosling explored the area around Lake Chad. Gosling died in June 1906 at Niangara of blackwater fever. Boyd then followed the River Kibali, reaching the Nile late in the year and returning to England in February 1907. Alexander's account From The Niger To The Nile was published later that year. In 1908 he was awarded the Gold Medal of the Royal Geographical Society "for his three years' journey across Africa from the Niger to the Nile."

For his journey across the continent, Alexander received the Gold Medal of the Royal Geographical Society of Antwerp (1907), and the founders medal of the Royal Geographical Society of London (1908). He was also made an honorary fellow of the Royal Scottish Geographical Society (1907).

Alexander and Lopes sailed back to Africa in 1909, where they visited the islands of São Thomé, Príncipe, and Annobom; the Kamerun mountain; and Lake Chad. They visited Claud's grave at Maifoni in Bornu and then continued to Ouadai. Boyd was

killed in a dispute with locals near Nyeri (seventy miles north of Abeshr, the capital of Wadai). His body was recovered by French soldiers and buried next to his brother in Maifoni.

(see: http://en.wikipedia.org/wiki/Boyd_Alexander
http://www.bodley.ox.ac.uk/dept/scwmss/wmss/online/blcas/alexander-boyd.html)

Glover Morrill Allen

Born: 17 October 1879: Walpole, New Hampshire, USA - Died: 1942

Glover M. Allen graduated from Harvard in 1901 and received his A.M. in 1903 and his PhD in 1904.

In 1903, he went on a long cruise on a sponging schooner to the northern Bahamas (together with Owen Bryant and Thomas Barbour). In 1906, he went to Labrador (with dr C.W. Townsend), and in 1909 to East Africa (with dr. William Lord Smith and Gorham Brooks). In 1910, he visited the island of Grenada (with prof. C.T. Brues). In 1912, he returned to Africa (with dr. John C. Phillips), where he travelled in Eastern Sudan along the course of the Dinder River and the Blue Nile. After this journey, he remained in Cambridge until 1926. There he was already working as mammalogist at the Museum of Comparative Zoology from 1907, and he became formally appointed curator in 1925. In 1926, he returned once more to Africa (together with Strong, George Shattuck, Bequart, and Harold Coolidge), but now to West Africa (Liberia) and the Belgian Congo. Afterwards, he also made an expedition to the Serra de Paranapiacaba in southern Brazil, and another to Australia in 1931 (with William Morton Wheeler).

See: Barbour, T., Lawrence, B., Scheville, W.E., Washburn, S.L. and Cobb, M.B. (1943). Glover Morrill Allen - 1879 - 1942. *J. Mamm.*, **24 (3)**: 297 - 304.

José Alberto de Oliveira Anchieta

Born: 9 October 1832: Lisbon - Died: 14 September 1897: Caconda (Angola)

http://en.wikipedia.org/wiki/Jos%C3%A9_Alberto_de_Oliveira_Anchieta:

José Alberto de Oliveira Anchieta (variations José d'Anchieta, José Anchieta, José de Anchieta - b. October 9, 1832 in Lisbon, Portugal, d. September 14, 1897 in Caconda, Angola) was a 19th century Portuguese explorer and naturalist who, between 1866 and 1897, travelled extensively in Angola, Africa, collecting animals and plants. These species were sent out to Portugal, where they were later examined by several zoologists and botanists, chiefly among them J.V. Barboza du Bocage. Many of the species of birds, amphibians, lizards, snakes, fishes and mammals described by him were unknown and thus were named for Anchieta with the species designation anchietae. Some of them were:
Anchieta's Sunbird (*Anthreptes anchietae*), a bird.
Anchieta's Barbet (*Stactolaema anchietae*), a bird.
Anchieta's Tchagra (*Tchagra anchietae*), a bird.
Anchieta's Ridged Frog (*Ptychadena anchietae*).
Anchieta's Dune Lizard (*Meroles anchietae*).
Anchieta's Frog (*Hylambates anchietae*).
Anchieta's Chameleon (*Chaemeleo anchietae*).
Anchieta's Cobra (*Naja annulifera anchietae*), a venomous snake.
Anchieta's Dwarf Python (*Python anchietae*), a non-venomous snake.
Anchieta's Pipistrelle (*Pipistrellus anchietai*), a bat.
Anchieta's Elephantfish (*Mormyrus anchietae*).
Anchieta's Antelope (*Cephalophus anchietae*).

Life
Anchieta was born in 1832, in Lisbon, and started his studies in Mathematics at the University of Coimbra. Due to his fierce independence and excentric character, however, he did not adapt well and moved to the Escola Politécnica de Lisboa (Polytechnic School). In 1857, one of his closest friends moved to Cabo Verde, a Portuguese colony and a group of islands in the Atlantic Ocean in West Africa, and Anchieta went to join him. He spent his time studying the local fauna and flora in the island of Santo Antão, and finally ended up helping out the local inhabitants as an amateur physician (he had studied some Medicine for himself). A fierce cholera epidemic killed most of the inhabitants and he almost died too, but he was able to return to Portugal after two years. Following what he thought was his vocation, he studied Medicine in Lisbon, London and Paris, but could not complete the course, and returned to Africa again, this time to Angola, one of the largest West African Portuguese colonies. He was very successful as an explorer of the hinterland and as a naturalist, and after studying and collecting many new animal and plant species, he returned to Portugal and donated the remains of is collections to the natural museum of the Polytechnic School (unfortunately most of it had been lost when his canoe foundered in a river).

In 1865, he travelled back on his own once again to his beloved Angola. This time, he was already married and his wife accompanied him. He stayed on his own in the region of Benguela, establishing a laboratory inside the ruins of a church, and exploring and collecting animals; until, in 1867, the Portuguese government hired him, overtly as a naturalist. But what is most probable is that Anchieta was recruited as a secret agent and informer in the Caconda region of Angola, one of the most extreme points of its territory. He stayed there, researching, exploring and sending many specimens and letters to his scientific correspondents in Lisbon. He also helped medically in the local hospital and was much appreciated by the population as a dedicated and humane care-giving person.

Unfortunately, little is known in the manner of documentation about this period of Anchieta's life, because most of the museum specimens have disappeared, as well as his many letters to du Bocage, in a catastrophic fire in the Museum, in 1978.

Achieta died while returning from a zoological expedition to Caconda, in 1897, at 66 years of age, probably of the chronic consequences of malaria, which he and his wife caught, and which had severely mined his health for many years.

In all, according to du Bocage, Anchieta's zoological output was truly prolific. He was responsible for identifying 25 new species of mammals, 46 of birds and 46 of amphibians and ophidians. He didn't care much for writing scientific papers, though, but left this to his correspondents in Lisbon.

Félix / Michel Anciaux de Faveaux

Born: 1920 - Died: ?

Michel Anciaux de Faveaux (during his time as a missionary also known as Dom Félix Anciaux de Faveaux) was professor in zoology at the university of Rwanda and subsequently at the university of Constantine in Algeria.

In 1954, he left for Congo where he founded the Speleological Society of Jadotville.

In 1972, at the age of 52, he obtained his doctors degree with a study on the reproduction of *Myotis myotis* and the reproduction of Central African bats, with an annex on parasites of bats on the African continent.

See: http://speleodinant.blogspot.com/2010/03/michel-anciaux-de-faveaux.html

Dr. John Anderson

Born: 1833: Edinburgh, Scotland, UK - Died: 15 August 1900: Buxton, UK

Corbet and Hill (1992): Superintendent of the Indian Museum and Professor of Comparative Anatomy, Calcutta 1865-86; naturalist and medical officer on the British expeditions from Calcutta to Yunnan, 1868-8 and 1875.

P.D.H. Ansell

Born: ? - Died: ?

Son of William Frank Harding Ansell.

William Frank Harding Ansell

Born: 13 June 1923; Devoran, Cornwall, England, UK - Died: 6 December 1996; Penzance, Cornwall, England, UK

W.F.H. Ansell was a zoologist who studied the mammals of southeast Africa. He obtained his PhD at Liverpool University in 1960 and was then appointed Provincial Game Warden in Northern Rhodesia.

Father of P.D.H. Ansell

Dr. William John Ansorge

Born: 1850 - Died: 1913

William John Ansorge was an English explorer and collector, who was active in Africa in the second half of the 19th century.

(see: Beolens et al.: The Eponym Dictionary of Mammals)

Dr. Harold Elmer Anthony

Born: 1890 - Died: 1970

Corbet and Hill (1992): Assistant, then Curator of Mammalogy, American Museum of Natural History, New York, 1915 (1921)-1958.
Anderson (1997: 126): Ottley-Anthony Expedition of 1929 to Bolivia (Field numbers 3256-3291).

Marchese Orazio Antinori

Born: 23 October 1811: Perugia, Italy - Died: 26 August 1882: Lèt Marefià, Ethiopia

Orazio Antinori was an Italian explorer and zoologist, and one of the most respected specialists on Italian Africa. He completed the "Iconografia della Fauna Italica" started by Bonaparte.

In 1848 he fought against the Neapolitans, and was later forced into exile. He lived in Athens and Smyrna, becoming interested in the avifauna of the area.

In 1854, he accompanied Cristina Trivulzio Belgiojoso to Syria, afterwards visiting Asia Minor. In 1859 he left for Egypt and travelled up the Nile, in 1860-1861, with Carlo Piaggia (1830-1882)..

Antinori took part in the expedition of Odoardo Beccari to Ethiopia and made important collections of natural history specimens. On his return to Italy he became the secretary of the Italian Geographical Society. In 1874, Antinori studied Chott near Tunis. In 1876 he took part in an expedition with Gustavo Chiarini and Antonio Cecchi to the province of Shewa in Ethiopia where they met with Negus Menelik at Liche, and obtained his permission to found a geographical station at Let Marefia. A casual but serious accident deprived him of his right hand making it inactive. He died after a brief illness.

Antinori sent a large amount of interesting material to the museums of Genua and Turin.
See: http://en.wikipedia.org/wiki/Orazio_Antinori, http://it.wikipedia.org/wiki/Orazio_Antinori

Dr. Andrew A. Arata

Born: ? - Died: ?

Dr. Andrew A. Arata was a tropical disease expert, who retired in March 1999. From 1968 to 1985 he was an ecologist for the WHO and Pan American Health organisation in Mexico, Venezuela and Geneva. From 1985 to 1992, he was associated with the Vector Biology and Control (VBC) project of the U.S. Agency for International Development.

see Beolens et al.

Charles R. Aschemeier

Born: ? - Died: ?

Charles R. Aschemeier, was a U.S. National Museum taxidermist, visited the French Congo as a member of the Collins-Garner Expedition, so named for Guy N. Collins (q.v.) and Richard Lynch Garner (q.v.). useum collection records indicate that the objects he donated were collected (and not merely received) in 1919, evidently during the last of Garner's four excursions to the Congo (the earlier visits were in 1892, 1894 and 1911).

See: Leopold, R.S. (1994). A guide to early African collections in the Smithsonian Institution (http://anthropology.si.edu/leopold/pubs/early_african_collections.pdf)

James Ashe

Born: ? - Died: ?

In the 1960's, James Ashe was curator of reptiles at the Croydon Museum (now National Museums of Kenya).

See: http://savingsnakes.wildlifedirect.org/

ATBP Mammal Team

Born: ? - Died: ?

African Tropical Biodiversity Training Programme

Jean Baptiste Audebert

Born: 1759: Rochefort, France - Died: 1800: Paris, France

Rév. Frère Aureliaan

Born: ? - Died: ?

Also mentioned as Aurélien

Alfred Marshall Bailey

Born: 18 February 1894: Iowa City, Iowa, USA - Died: 25 February 1978

Alfred Marshall Bailey attended local schools and the University of Iowa. His interest in taxidermy and his friendship with Homer R. Dill (then director of the University of Iowa Museum) led to his first expedition in 1912 - 1913 to Laysan Island, in the Leeward Chain of Hawaii.

Bailey was curator of birds and mammals at the Louisiana State Museum from 1916 to 1919, and from 1921 to 1926 at the Denver Museum. From 1926 to 1927, he was a staff member of the Field Museum of Natural History. From 1927 to 1936, he was director of the Chicago Academy of Sciences, and from 1936 to 1969 of the Denver Museum of Natural History.

From 1919 to 1921, he made a survey of southeastern Alaska for the United States Fish and Wildlife Service. Further fieldwork included a muleback trip over 3,200 km in Ethiopia, and a 1,200 km dogsled trip in northern Alaska.

See: Phillips, A.R. (1981): In Memoriam: Alfred M. Bailey. - The Auk, 98: 173 - 175.

Rollin Harold Baker

Born: 11 November 1916: Cordova, Illinois, U.S.A. - Died: 12 November 2007,

Rollin H. Baker began started his B.A. in zoology at the University of Texas in 1937. He completed an M.S. in entomology from Texas A&M University in 1938 and a Ph.D. in zoology from the University of Kansas in 1948. In the mean time, he took a position with the Texas Game, Fish, and Oyster Commission. After enlisting in the navy during World War II, he was selected to be a member of the Naval Medical Research Unit 2 (NAMRU-2), which trained at Rockefeller University and deployed to the South Pacific. In 1948, he got a position at the University of Kansas, as curator of mammals of the Museum of Natural History. In 1955, he moved to East Lansing, where he served as Director of the Museum at Michigan State University until his retirement in 1982.

Rollin Baker made several field trips to Mexico, where he studied the biogeography of Mexican mammals.

Dr. Thomas H. Barry

Born: 1924: Mossel Bay South Africa - Died: 1984

Thomas Henry Barry was born in Mossel Bay in 1924 and attained his degree in Zoology at Stellenbosch University. After taking his doctorate, he lectured at the University of Pretoria for four years and it was here that he became interested in the Karoo mammal-like reptiles. In 1959 he was appointed Director of the Albany Museum, Grahamstown. He assumed the Directorship of the South African Museum in 1964, until his death in 1984.

See: http://www.iziko.org.za/sam/muse/hist/barry.html

Bartlett

Born: ? - Died: ?

Eugène Joseph Bastard

Born: 1865 - Died: 1910

French colonial administrator, traveller, zoologist, paleontologist and collector. Worked together with Grandidier in the MNHN in Paris. He undertook a collecting expedition to Madagascar, returning to France in 1898, and visited the island again in 1899.

see Beolens et al.: The Eponym Dictionary of Mammals

Harry A. Beatty

Born: 10 January 1902: St. Croix, Virgin Islands - Died: ?

Harry Beatty graduated from Richmond High School in 1919, after which he attended the Mount Hermon Schools, majoring in zoology.

In 1924 he traveled to Guanica, Puerto Rico, where he met Professor Stuart T. Danforth of the University of Mayaguez, who encouraged him to publish his notes on the Birds of St. Croix and the Birds of Guanica Lagoon.

He returned home in 1929 and a few months later traveled to New York where he met Professor Francis W. O'Cibbir of Columbia University Medical School, who guide him through a crash course of parasitology and tropical medical entomology. However, when a malaria epidemic broke out in the islands in 1933 he joined the staff of the Virgin Islands Department of Health to supervise the malaria and filarial research and control project.

During 1940 - 44, he directed the Pittman - Robertson Deer Research Project for the Virgin Islands under the direction of the United States Fish and Wildlife Service.

A visit to Mona Island, Puerto Rico, in 1944 resulted in a study collection of birds skins for the Academy of Natural Sciences of Philadelphia. A collection of snails went to the Museum of Comparative Zoology at Harvard University.

He joined the staff of the Firestone Plantation Company of Liberia, West Africa, in 1945 as director of a malaria control project. Five years later he led the Field Museum - Equatorial Africa Zoological Expedition to Gabon, Moyen Congo, Oubangui, and Portuguese Angola.

In 1960, he visited the Nimba Mountains in the Ivory Coast of West Africa for the Yale University Peabody Museum of Natural History and made study collections of bird and mammal skins.

From 1960 to 1962, he was in charge of the Field Museum expedition to Suriname, South America, for collections of birds and mammals.

(See: http://webpac.uvi.edu/imls/pi_uvi/profiles1976/Sci_Econ_Hlth_Admin/Beatty_HA/text.shtml)

Dr. Odoardo Beccari

Born: 1843 - Died: 1920

Corbet and Hill (1992): Italian botanist, director of Botanic Garden and Herbarium, Florence; collected in Sarawak 1865-67, in the Moluccas and New Guinea 1871-75.

Charles William ("Will") Beebe

Born: 29 July 1877: Brooklyn, New York, USA - Died: 4 June 1962

Will Beebe was Curator of Ornithology for the New York Zoological Society from 1899 to 1952. He was a self-styled naturalist and everything living seemed to hold a continuing fascination for him. In 1919 he was also made Director of the Department of Tropical Research.

His interest in deep-sea exploration led to the development of the bathysphere, a spherical metal diving vessel, with Otis Barton.

He set up a camp for jungle studies in 1942 at Caripito, Venezuela. In 1950, when he was 73 years old, he bought with his own money 228 acres (92 hectares) of land in the Arima Valley (Trinidad and Tobago) which he named "Simla". This land became the New York Zoological Society's Tropical Research Station in Trinidad.

See: http://en.wikipedia.org/wiki/William_Beebe

Constantine ("Con") Walter Benson

Born: 1909 - Died: 21 September 1982

Born and educated in England. Track star at Cambridge. Career in colonial service. 20 yrs in Nyasaland (Malawi). Awarded OBE on retirement in 1965.

Dr. J. Bequaert

Born: ? - Died: ?

Osborn (1919: xvi) places J. Bequaert in Congo in 1913 - 1915.

Pamela Beresford

Born: ? - Died: ?

American ornithologist, with the AMNH 1996-2000.

Wim Bergmans

Born: 11 February 1940;Amsterdam, The Netherlands - Died: 16 February 2018;Amsterdam; The Netherlands

Dutch zoologist.

In the 1960s, Wim Bergmans started his carreer in Mollusk department of the Zoological Museum Amsterdam. From 1971 to 1980, he was assistant curator in the museum's mammalogy department and from 1981 to 1983 he was guest curator in the herpetology department. In 1984, he joined the Duch national IUCN commitee.

From the early 1970s, he began studying the African fruit bats, which resulted in his PhD (1988). He also described a number of bat species, e.g.: *Rhinolophus tatar* (with Frank Rozendaal), *Myonycteris relicta, Paranyctimene tenax, Dobsonia beauforti* and *Rousettus spinalatus* (with John Edwards Hill).

See: https://de.wikipedia.org/wiki/Wim_Bergmans

Hal L. Black

Born: ? - Died: ?

Hal Black obtained his PhD. in zoology in 1972 at the University of New Mexico, and is professor at the Brigham Young University Department of Zoology (since 1989).

(see: http://lifesciences.byu.edu/~hlb3)

Johan Heinrich Blasius

Born: 7 October 1809: Nümbrecht-Eckenbach, Germany - Died: 26 May 1870: Braunschweig, Germany

Father of Rudolf and Wilhelm Blasius.

In 1834, Blasius obtained a degree in mathematics, geography, geology, zoology and botany in Berlin. In 1836, he was appointed associate professor and in 1842 he obtained a full professorship for descriptive natural sciences at the Collegium Carolinum in Braunschweig, where he worked until his death. He was involved with the founding of the Braunschweig Botanical Gardens.

With his friend, Alexander Count Keyserling, he made extensive travels through eastern Europe, the results of which were published in 1840. In 1840 - 1841 a journey was made to Russia, which resulted in a publication made in 1844. Furthermore, there were several travels to the Alps and to Italy.

The material collected during these trips formed the base of the "Herzoglichen Kunst- und Naturalienkabinet", which later became the Natural History Museum, of which he became the director in 1859.

Additionally, from 1844 he became second (and in 1864 first) Librarian of the Hochschule, and between 1862 and 1866, he was a member of the board of the Collegium Carolinum, and from 1866 he became the director of the "Herzoglichen Museums Braunschweigs".

See: http://de.wikipedia.org/wiki/Johann_Heinrich_Blasius

Hans Georg Hermann Bluntschli

Born: 19 February 1877: Frankfurt am Main, Germany - Died: 13 July 1962: Bern, Switzerland

Hans Bluntschli became "prosektor" in 1914 and later director of the Senckenberg Anatomical Institute in Frankfurt, were he was also named professor in 1915, and in 1919 he was appointed professor in Anatomy and development history. In 1933, he took the same post in Bern, where he remained until his retirement in 1942.

see: http://de.wikipedia.org/wiki/Hans_Bluntschli

José Vicente Barboza du Bocage

Born: 2 May 1823: Madeira - Died: 3 November 1907

Director of the National Zoological Museum of Lisbon.

Richard Böhm

Born: 1 October 1854: Berlin, Germany - Died: 1884

Osborn (1919: xv) places R. Böhm and P. Reichard in Congo in 1880 - 1884.

Prince Charles Lucien (Carlo) Jules Laurent Bonaparte

Born: 24 May 1803: Paris, France - Died: 29 July 1857: Paris, France

Corbet and Hill (1992): Nephew of Napoleon Bonaparte; studied mammals in all the major museums in Europe.

Charles Lucien Bonaparte was a French naturalist and ornithologist, and was a nephew of Napoleon Bonaparte.
Bonaparte was raised in Italy, and, after his marriage in 1822, travelled to the United States. At the end of 1826, he returned to Europe and visited Germany, where he met Philip Jakob Cretzschmar, and England, where he met John Edward Gray. In 1828, he settled in Rome, where he published (between 1832 and 1841) the "Iconografia della Fauna Italica".

In 1849, he was elected to the Roman Assembly, where he participated in the creation of the Roman Republic. In 1848 he was forced to leave Rome and travelled to Marseille and subsequently to England, and Paris.

(see http://en.wikipedia.org/wiki/Charles_Lucien_Bonaparte)

John James Lewis Bonhote

Born: 1875: London, UK - Died: 1922

Corbet and Hill (1992): Ornithologist and aviculturalist; unofficial worker in the Mammal Section of the British Museum (Natural History) with Oldfield Thomas; Zoological Gardens, Giza, Egypt 1913-19.

Dr. Paolo Emilio Botta

Born: 1802 - Died: 1870

Naturalist, archeological explorer and traveller. Travelled and collected for the Museum of Natural History of Paris. One of the very first naturalists to collect in California (1827-1828).
(see Jaeger, 1972: 309)

Beltz (2004: http://ebeltz.net/herps/biogappx.html):
also Botta, Paul Emile
19th Century explorer, archaeologist and diplomat.
1827-1829 Naturalist aboard French merchant ship "Heros."
Collected type of *Charina bottae* in CA.
Sent first specimen of roadrunner to France.
1830 Physician to Mohammed Ali.
1833 French consul in Alexandria.
1840 Consular agent in Iraq.
1843-1846 Archaeological pioneer, excavated and identified Khorsabad as Ninevah, discovered Sargon's palace. Found 7th Cent B.C. dictionary for Class III cuneiform script at Kuyunjik.
1847-1846 Wrote "Monuments de Ninive decoverts et decrits par Botta, mesures et dessines par E. Flandin."

Vittorio Bottego

Born: 29 July 1860: Parma, Italy - Died: 17 March 1897: Daga Roba

Vittorio Bottego was an Italian explorer and official who became famous for his travels to the Horn of Africa.

In 1887 he was a member of the scientific and geographical expeditions to Eritrea. In 1891, he was in Danakil and later he planned expeditions to the Juba River region. In 1892 he reached Ganal Doria (upper course of the Juba River). After a brief return to Italy, he went back to Africa to follow the whole course of the Omo River under the patronage of the Italian Geographical Society.

He was killed during a fight at Daga Roba.

See: http://it.wikipedia.org/wiki/Vittorio_Bottego

Adolphe Boucard

Born: 1839: France - Died: 15 March 1905: Hampstead, England, UK

Collected in Mexico
Natural History agent Paris, moved to London in 1890. Passed later years of his life in his villa near Ryde, Isle of Wight.
CWR gives death as Dec. 15, 1904 Hampstead

Jack W. Bradbury

Born: ? - Died: ?

Dr. Bradbury received his BA in Biology from Reed College (Portland, OR) in 1963. He completed his PhD with advisor Dr. Donald Griffin in Animal Behavior at Rockefeller University (New York, NY) in 1968, and then spent two years in Trinidad on a postdoctoral fellowship studying tropical bat social behavior. He has served on the biology faculties of Rockefeller University, the University of California, San Diego, and Cornell University. He is a Fellow of the Animal Behavior Society and a past President of the International Society for Behavioral Ecology.

Research Interests: Dr. Bradbury's research efforts have included field studies on mating system evolution and social dispersion in tropical bats, the evolution of leks in African fruit bats and grouse, foraging dispersions of African antelopes, sexual selection

in hermaphroditic sea slugs, and most recently, the functions of vocal mimicry in wild parrots. Dr. Bradbury retired in July 2009 and no longer has an active laboratory, but he is available to serve as a member of graduate committees.

See: http://www.nbb.cornell.edu/bradbury.shtml

Leo Daniel Brongersma

Born: 1907 - Died: ?

Corbet and Hill (1992): Dutch zoologist; Leiden Museum 1934 - (Director 1958 -).

Buchner

Born: ? - Died: ?

Osborn (1919: xv) places M. Buchner in Congo in 1878 - 1880.

Büttner

Born: ? - Died: ?

Osborn (1919: xv) places R. Büttner in Congo in 1884 - 1886.

Alphonse Cabra

Born: 1862: Chièvres, Belgium - Died: 1932: Antwerp, Belgium

Alphonse Cabra was a miner second class in the engineers corps in 1878, and made sergeant in 1880. He entered the military school in 1880 and was appointed second lieutenant in the carabineers in 1882. He attended the "war school" in 1887, and became aide to lieutenant-general Marchal in 1890. He was promoted to lieutenant-colonel in 1913, and later on lieutenant-general and commander of the second army corps (Antwerp) 1919 - 1924. He was a member of the colonial council (1919) and member of various administrative colonial societies and philanthropic and scientific societies.

He was in charge of an exploration mission (started by Delporte and Gillis) in the Bas-Congo and especially the Mayumbe area (geodesic observations, magnetism, geography, botany and zoology) and was later on designated as commissioner to the border committee that was erected to mark the border between Cabinda and the Congo Free State, but at the same time pursued his scientific research. Afterwards, he returned to Boma where he commanded the operations to pursue the mutineers of the Shinkakasa fortress (1896 - 1900). He acted also as commissioner on the committee to trace the parallel from Noki to Kwango (the border between Congo and Cabinda/Angola? [Portugal]) (1901 - 1902). He defended the Congolese interests in the mixed Franco-Congolese commission to trace the Manyanga-Kaonga border (1903). He also took part of an inspection mission in the Oriental province and the Ruzizi-Kivu territory (1905 - 1906).

See: Van Schuylenbergh (1997: 9).

P. Callewaert

Born: ? - Died: ?

See Père (Monsignor) Richard Callewaert

Père Richard Callewaert

Born: ? - Died: ?

Beolens *et al.* (2009): Monsignor Richard Callewaert (1866 - 1943) was a Belgian missionary and amateur naturalist who collected many different taxa in the then Belgian Congo. There is a record of an R.P. Callewaet collecting the type specimen of an ant in Zaire in 1912, another in 1913, and yet another ant type in 1935 as well as a beetle type specimen in 1923 and small fish in 1932. The zoologist who described the ants reported Callewaert as "noting he found the [ant] colony in his room, going from here to there, through a hole in the wall whence they disappeared one after the other … The ants did not climb the wall itself but ascended between wall and the wood of the door." We think he was the Callewaert who wrote the trace "Rapport sur l'education des Mulâtres," which appeared in Compte-rendus du Congrès International pour l'étude des problems resultant du mélange des races in 1935.

Dr. Anne Margariette Camerik

Born: 1941: Balikpapan, Indonesia - Died: ?

Dutch-born entomologist and Ursuline sister. She spent her early years in Sumatra until her family returned to the Netherlands. In 1964, she obtained a degree in horticulture and garden architecture at the Hogere Tuinbouw School, Frederiksoord, and a few months after graduating joined the Order of St Ursula. From 1970 to 1976, she attended the Catholic University in Nijmegen as a Biology major, earning an MSc degree for her work in geobotanics.

She collected plants in the Itatiaia and Serra dos Orgaõs mountains of Brazil, while on exchange to the Universidade Santa Ursula in Rio de Janeiro (1974-1975). Her later publications have been on mites. She came to Botswana in 1977 as teacher at the secondary school in Mahalapye, where she stayed for twelve years, during which she collected some 800 plant specimens around Mahalapye, Gaborone, and Thamaga. After moving to South Africa, she completed a doctorate in Aracology.

See: http://plants.jstor.org/stable/10.5555/al.ap.person.bm000056027

J.S. Carlisle

Born: ? - Died: ?

Dr. Archie Fairly Carr, Jr.

Born: 16 June 1909: Mobile, Alabama, USA - Died: 21 May 1987: Micanopy, Florida, USA

Archie Fairly Carr, Jr. was associated for over fifty years with the University of Florida, first as a student, B.A. (1932), M.S. (1934), and as the University's first Ph.D. (1937) in biology. As a zoologist, he was most noted for his pioneering work in studying sea turtles and especially for discovering their migration patterns

see: http://web.uflib.ufl.edu/spec/archome/MS30.htm, http://en.wikipedia.org/wiki/Archie_Carr

Javier Castroviejo

Born: ? - Died: ?

Anderson (1997: 128): EBD, 1980 at Estancia Venecia and with Huanchaca Expedition in 1986 (Bolivia).

James Paul Chapin

Born: 9 July 1889: New York, USA - Died: 7 April 1964: New York, USA

At the age of 16, James Paul Chapin took a job mounting birds in the American Museum of Natural History, where he stayed for 59 years.

In 1908, Herbert Lang was chosen to lead the American Museum Congo Expedition, and Chapin (19 years old) was asked to come along as assistant and second-in-command. This expedition was originally planned to take two years, but eventually lasted for six, being one of the longest uninterrupted field assignments in the museum's history. During this expedition, Lang and Chapin were sometimes separated for as much as a year. The expedition traveled about 15,000 miles on foot, without accident or serious sickness. The results were overwhelming: 5,800 mammals, 6,400 birds, 4,800 reptiles and amphibians, 6,000 fish, over 100,000 invertebrates, 3,800 anthropological specimens, and 9,890 photographic negatives and 300 water colour paintings.

Upon his return to New York in 1915, Chapin finished his undergraduate studies and obtained his Ph.D. in 1919. Over the next years, he returned several times to Africa, e.g. in 1926 - 1927 with the Ruwenzori-Kiwu expedition to East Africa and Congo. In 1930, he went to Lukolela, and in 1937, he returned to track down the Congo peacock (*Afropavo congensis*), of which he found a single feather on a native hat back at Avakubi in 1913, and of which saw two mounted specimens in 1936 in the Congo Museum at Tervueren, in Belgium. In 1942 he also was in the Congo and on Ascension Island on war work for the Office of Strategic Services. From 1953 to 1958, he lived in the eastern Congo (the highlands west of Lake Kivu), working for the Belgian Institute for Scientific Research in Central Africa [IRSAC: L'Institut pour la Recherche Scientifique en Afrique Centrale].

In 1923, he made a short trip to Panama, and in 1930 he was a member of an expedition to the Galapagos Islands on the yacht "Nourmahal". In 1934, he went to Polynesia on the yacht "Zaca".

Between 1934 and 1939, Chapin was vice president of the American Ornithologists Union, and president from 1939 to 1942.

See: http://diglib1.amnh.org/articles/chapin_bio/chapin_bio1.html
Friedmann, H. (1966). In Memoriam: James Paul Chapin - The Auk, 83: 240 - 252.

Rev. Héli Chatelain

Born: 1851 - Died: 1908

Heli Chatelain was an author, linguist and missionary in Angola, who collected several hundred objects of material culture in Sierra Leone, Cote d'Ivoire (Grebo), Ghana (Ashanti), Nigeria (Yoruba, Nupe), Cameroon (Bamileke), Zaire, and Angola, as well as among Navaho, Zuni and Mission Indians in the United States. Chatelain appears to have collected many of the African objects in 1899 during his stint with the U.S. Scientific Expedition to Africa, also known as the Eclipse Expedition.

See: Leopold, R.S. (1994). A guide to early African collections in the Smithsonian Institution (http://anthropology.si.edu/leopold/pubs/early_african_collections.pdf)

Colonel Robert Ernest Cheesman

Born: 1878 - Died: 13 February 1962

British Army officer and diplomat serving in India, Iraq (1920-23), Ethiopia and Sudan. He was private secretary to Sir Percy Sykes during his tenure as High Commissioner in Iraq.

See: Corbet and Hill (1992)
http://zoonomen.net/bio/bioc.html

Rev. Frédéric Christol

Born: 8 April 1850: Paris, France - Died: 14 December 1933: Paris, France

Protestant missonary in Lesotho, later pastor in Pantin and Noisy-le-Sec, France. Writer, painter, ethnologist and anthropologist.

In 1882 Frédéric Christol was on vacation from the Mission Populaire Evangélique and destined for the Zambesi Mission. He arrived from Dartmouth via Durban, in Basutoland where family circumstances forced him to remain. He joined the Paris Evangelical Mission Society, working first at Bethesda (now Maphutseng) from 1885. In 1887 he moved to Hermon on the left bank of the Caledon River near Wepener in the Orange Free State. He remained there until 1908 when he retired. At Hermon he was given the Sesotho name Kiritla (meaning the Thunderer). He also did some painting there. In 1892 he received a gold medal at the Kimbereley Exhibition for his collection of old African objects. He also collected African plants, specimens of which he sent to Paris. He returned with his family, to France via the East Coast of Africa. Along the way they visited his parents-in-law in Jerusalem. He settled at Pantin in France where he again did preaching. In his 80th year, he and his wife celebrated their golden anniversary and he was made a Chevalier de la Légion d'Honneur.

see: http://archiver.rootsweb.ancestry.com/th/read/SOUTH-AFRICA/2000-01/0947367774

Major/dr. Cuthbert Christy

Born: 1863 - Died: 29 May 1932

Osborn (1919: xvi) places C. Christy in Congo in 1911 - 1914.

Ernest Charles Chubb

Born: 16 September 1884; London, United Kingdom - Died: 9 October 1972, Durban, South Africa

Son of Charles Chubb (1851 - 1924), British ornithologist who worked at the Natural History Museum in London.

At 17, he became assistant of Oldfield Thomas at the Natural History Museum in London. In 1906 he visited Southern Rhodesia, where he explored the Matopo Hills south of Bulawayo by bicycle. In 1908, he was appointed as zoologist and assistant curator of the Rhodesia Museum (later the National Museum) in Bulawayo. Chubb immediately became active in the Rhodesia Scientific Association, where he was recognized as a skilled naturalist and taxidermist. In 1910, he became curator of the Durban Municipal Museum, and in 1919 director of the combined Durban Museum and Art Gallery. He reached pensionable age in 1944, but stayed on in his post in temporary service until his retirement at the end of 1951.

See: http://zoonomen.net/bio/bioc.html, http://www.s2a3.org.za/bio/Biograph_final.php?serial=501

Phillip Alexander Clancey

Born: September 1917: Glasgow, Scotland, UK - Died: 18 July 2001

Phillip A. Clancey received his ecudation at the Glasgow School of Arts.

He moved to South Africa in 1950, and was appointed director of the Durban Museum in 1952.

See: http://zoonomen.net/bio/bioc.html

K.M. Clark

Born: ? - Died: ?

Antoine Barthélémy Clot, Bey

Born: 5 November 1793: Grenoble, France - Died: 28 August 1868: Marseille, France

Antoine Barthélémy Clot, generally known as "Clot-Bey" was a French doctor, who primarily worked in Egypt, where he moved to on 21 January 1825 and left in 1849.

See: https://fr.wikipedia.org/wiki/Antoine_Clot

Major Alfred Morris Collins

Born: ? - Died: ?

Anderson (1997: 128): sportsman of Bryn Mawr, Pennsylvania, cosponsor of and participant in the FMNH Collins-Day Expedition (Bolivia) in 1915 (collectors Becker and Cherrie; see also Miller and Boyle); after whom *Rhipidomys collinus* was probably named, although the author (Thomas, 1925: 578) did not mention the source of the name.

(Henry) Boardman Conover

Born: 18 January 1892: Chicago, Illinois, USA - Died: 5 May 1950: Chicago, Illinois, USA

Boardman Conover was a soldier and amateur ornithologist, who studied civil engineering at the Sheffield Scientific School in Yale. He served with the Unites States Reclamation Service in Las Cruces, New Mexico, from 1912 to 1913, and then worked with the Pennsylvania Railroad in Pittsburgh, and later with the Stewart Manufacturing Company in Chicago. In WW I he served in France. Through 1919 and 1920 he travelled to Yukon to shoot big game. In 1919, he met with Dr. Wilfred Hudson Osgood, then assistant curator of mammalogy and ornithology of the Field Museum in Chicago, which in 1920 led to a collecting trip to Venezuela, from which he brought back 133 specimens. In 1922 he went to Chile and Argentina with Dr. Osgood and Mr. Colin C. Sanborn (who stayed in Chile). In 1924, he spent the spring and summer in Hooper Bay, Alaska, and in January 1925, he made a short trip to Mexico.
Together with Mr. R.H. Everard, Conover financed an expedition to East Africa, on which he was accompanied by Mr. John T. Zimmer, and collections were made in Tangayika Territory, Belgian Congo, and Uganda. During that trip, he caught intestinal malaria.

See: http://en.wikipedia.org/wiki/Henry_Boardman_Conover
Gregory, S.S. Jr., Rand, A.L. (1951). Boardman Conover, 1892 - 1950. - The Auk, 68: 17 - 23.

Tenley M. Conway

Born: ? - Died: ?

2004 Ph.D. Geography, Rutgers University (Thesis Title: Ecological Impact of Future Land Use in Southeastern New Jersey, Supervisor Richard Lathrop).
2001 M.S. Geography, Rutgers University.
1997 B.S. Natural Resources, Cornell University.

2004- Present Assistant Professor, Department of Geography, University of Toronto at Mississauga

Orator Fuller Cook, Jr.

Born: 28 May 1867: Clyde, New York, USA - Died: 23 April 1949: Lanham, Maryland, USA

Orator Fuller Cook was educated at Syracuse University, receiving the Ph.B. degree in 1890. After graduation, he remained at Syracuse as an Instructor in the Biology Department. From 1891 to 1897, Cook made several trips to Liberia as an agent for the New York Colonization Society and at various times served as Professor of Natural Sciences and president (in 1896) at Liberia College until 1898. In 1895, he joined the staff of the United States National Museum (USNM), in an honorary capacity, as Custodian of the Section of Myripoda of the Department of Insects. In 1898, Cook was appointed to a salaried position, as Assistant Curator in the Division of Plants, USNM. He resigned the following year to join the United States Department of Agriculture's Bureau of Plant Industry, where he remained until his death. He continued his association with the USNM as Custodian of the Section of Myripoda and was made Honorary Assistant Curator of the Section of Cryptogamic Collections of the Division of Plants in 1899. He retired in 1937.

See:
http://siarchives.si.edu/collections/siris_arc_217412?back=%2Fcollections%2Fsearch%3Fquery%3D%2522Cockerell%252C%

2520Theodore%2520D.%2520A.%2520(Theodore%2520Dru%2520Alison)%252C%25201866-1948.%2522, http://en.wikipedia.org/wiki/Orator_F._Cook
Leopold, R.S. (1994). A guide to early African collections in the Smithsonian Institution (http://anthropology.si.edu/leopold/pubs/early_african_collections.pdf)

Harold Jefferson Coolidge

Born: 1904 - Died: 1985

Corbet and Hill (1992): Mammalogist at the Museum of Comparative Zoology, Harvard, USA; organizer of the Asiatic Primate Expedition to Siam, French Indochina, Borneo and Sumatra, 1937.

Charles Barney Cory

Born: 31 January 1857: Boston, U.S.A. - Died: 31 July 1921

In 1875 Cory made a first trip to England, France, Italy, and Alexandria (Egypt). Here, together with Martin Ryerson, an expedition by dahabeeya was organized down the Nile to shoot and collect birds. After returning to Boston, Cory and Ryerson became roommates at Harvard, where Cory attended the Lawrence Scientific School, where he worked at the Museum of Comparative Zoology, where Dr. J.A. Allen was curator of mammals and birds.

From November 1877 to January 1878, he spent some time in Florida. In July and August 1878, he stayed on the Magdalen Islands, in the Gulf of St. Lawrence. In the fall of 1878 he entered the Boston Law School, but he left it for a trip to the Bahamas in December with Arthur Smith as taxidermist. He remained there until July 1879.

In 1880, he went again to England and France, meeting with European ornithologists. After his return to the US, he began preparing for a next trip to the Bahamas and the West Indies. He sailed for Haiti on 4 February 1881, where he again made extensive collections of birds.

In 1882, after the death of his parents and only sister, he became very nearly a millionaire

In 1883, he was one of the 48 ornithologist founders of the American Ornithologists' Union.

In 1884, he went to Dakota and Montana shooting ducks and geese, together with Martin Ryerson and Charles R. Crane, and the following winter he returned to live in Florida. One of his hobbies there was a small museum called "The Florida Museum of Natural History", which he established in Palm Beach, which unfortunately got destroyed by fire in 1903.

In 1886, he made a short trip to Cuba, where he met with Dr. Gundlach.

In 1887, he went to Mexico and the southwestern United States, and later in the year to Canada.

In 1888, he spent a number of weeks in Alberta shooting big game.

In July 1889, another trip to Europe (England and France) was made.

In 1891, he cruised about at the West Indies, visiting Cuba, the Bahamas, and various small islands, and in 1892 he was again in Cuba. During this time, a number of collectors were hired, one of them being Daniel J. Sweeting, who worked in the Bahamas.

In December 1887, Cory was elected Curator of Birds in the Boston Society of Natural History, a largely honorary position, which he held until 1905.

In 1893, he donated his 19,000 bird specimens to the newly established Field Columbian Museum in Chicago, and he became (honorary) curator of Ornithology.

He lost his fortune in 1906, and which forced him to earn his money. The museum created a salaried position of Curator of Zoology.

See: Osgood, W.H. (1922). In memoriam: Charles Barney Cory - The Auk, 39 (2): 151 - 166.

Raymond Bridgeman Cowles

Born: 1896: South Africa - Died: 1975: US

Professor of the University of California, Los Angeles.

See: Beltz (2004: http://ebeltz.net/herps/biogappx.html):

Newman Hall Dervis Cox

Born: ? - Died: ?

Dr. Newman Cox, of Baltimore, Maryland, was a medical missionary in Batanga, Cameroon, under the Presbyterian Board (U.S.) from 1896-1900.

See: Leopold, R.S. (1994). A guide to early African collections in the Smithsonian Institution (http://anthropology.si.edu/leopold/pubs/early_african_collections.pdf)

G. Kenneth Creighton

Born: ? - Died: ?

Anderson (1997: 129): graduate student UMMZ; 1978, 1979, and 1980 (field numbers 17-466, 874-1401); with L. Snyder in 1978 and 1979 (Bolivia).

Matthew Criblez

Born: ? - Died: ?

Matthew Criblez served in the Peacecorps in Burundi from 1989 to 1991, and in Malawi from 1992 to 1993.

See: http://peacecorpsonline.org/messages/messages/467/2037356.html

Rolla Patterson Currie

Born: 1875 - Died: ?

Rolla Currie worked for the Department of Insects of the U.S. National Museum (c.1897) and was in charge of editorial work in the U.S. Bureau of Entomology beginning in 1904. He collected insects in the United States, Liberia and British Columbia, specializing in Odonata and Neuroptera (Osborn 1937:257). Currie visited Liberia between February 1 and May 10, 1897 to collect insects for the museum. He also collected a small series of birds which he identified in his fieldnotes by their Liberian English and Gola names (Oberholser 1900).

See: Leopold, R.S. (1994). A guide to early African collections in the Smithsonian Institution (http://anthropology.si.edu/leopold/pubs/early_african_collections.pdf)

Giotto Dainelli

Born: 19 May 1878: Florence, Italy - Died: 16 December 1968: Florence, Italy

Italian geologist and geographer.

The son of a general, became accustomed from an early age to travel. He graduated in Natural Sciences in 1900 at the Institute for Advanced Studies in Florence. In 1903 he became a lecturer in geology and physical geography in Florence, and from 1914 to 1921 he held the chair of geography in Pisa. After a brief stay in Naples, he returned to Florence, where he took over the chair of geology and paleontology in 1924.

Dainelli made several expeditions in East Africa and in Asia: in 1905-1906 in Eritrea; in 1913-1914 in the Karakoram, in what was the most important Italian exploratory expedition in Asia in the twentieth century; in 1936-1937 on Lake Tana, Ethiopia. He was president of the Italian Geological Society, member of the Pontifical Academy of Sciences and the Academy of the Lincei, and the Academy of Italy. In February 1944 he was appointed mayor of Florence, the last before the liberation of Florence in August 1944.

Prof. Dr. Walter Woelberg Dalquest

Born: 11 September 1917: Seattle, Washington, USA. - Died: 27 September 2000

Walt Dalquest obtained his B.S. in 1940 and his M.S. in 1941 from the University of Washington, and his Ph.D. in 1951 from the Louisiana State University. He taught human anatomy and physiology, general zoology, comparative vertebrate anatomy, field zoology, limnology, ornithology, herpetology, ichthyology, mammalogy, vertebrate paleontology, wildlife management, and history and literature of the biological sciences. His publications (seven books and 173 research articles) ranged from geology over ichtyology to mammalogy for both fossils and extant forms. His personal vertebrate catalog number reached over 24,000, including over 50 % of mammal skins.

In 1963 and 1965, he accompanied Jerry Vinson to collect mammals near the Save River in south-central Mozambique, and these collections are currently housed at the Midwestern State University.

(see: Horner, N.V., and F.B. Stangl Jr. (2001). Walter Woelber Dalquest: 1917 - 2000. - J. Mamm., 82 (2): 604 - 612.)

Philip Jackson Darlington, Jr.

Born: 14 November 1904: Philadelphia, Pennsylvania, USA - Died: 16 December 1983: Cambridge, Massachusetts, USA

1924, 1926, 1928: field expeditions to locations in the West Indies
1926: B.A., Harvard University
1927: M.S., Harvard
1931: Ph.D. at Harvard
1932-1940: Assistant curator of insects, Museum of Comparative Zoology, Harvar
1938: publishes "The Origin of the Fauna of the Greater Antilles, with Discussion of Dispersal of Animals Over Water and Through the Air" inQuarterly Review of Biology
1940: Curator of Coleoptera at the Museum of Comparative Zoology
1941-1944: World War II serves in Pacific Malaria Survey division/ Army Sanitation Corps
1943: publishes "Carabidae of Mountains and Islands: Data on the Evolution of Isolated Faunas, and on Atrophy of Wings" in Ecological Monographs
1947, 1957: awarded Guggenheim fellowships
1951: Curator of insects at the Museum of Comparative Zoology
1957: publishes Zoogeography: The Geographical Distribution of Animals; receives the Daniel Giraud Eliot Medal from the National Academy of Sciences
1962 - 1971: Alexander Agassiz Professor of Zoology, Harvard
1964: elected to the National Academy of Sciences and the American Academy of Arts and Sciences
1965: publishes Biogeography of the Southern End of the World
1980: publishes Evolution for Naturalists: The Simple Principles and Complex Reality

See: http://zoonomen.net/bio/biod.html

Pierre Paul François Camille Savorgnan de Brazza

Born: 26 February 1852: Rome, Italy - Died: 14 September 1905: Dakar, Senegal

de Brazza was a French-Italian explorer, who laid the foundation of the French colonial empire in central Africa, and who founded the capital of Congo: Brazzaville.

He studied at the "École navale" at Brest. In 1874, he made two inland voyages along the Gabon and Ogooué rivers. He was able to obtain money for an expedition to the source of the Ogooué (1875 - 1878). During a second expedition (1879 - 1882), ha was able to reach the Congo in 1880. In september 1880 he signed a treaty with a local chief by which the area became under French "protection". In 1886 Brazza was named governor-general of the French-Congo protectorate.

see: http://nl.wikipedia.org/wiki/Pierre_Savorgnan_de_Brazza

Raymond Decary

Born: 1891: Méry-sur-Seine, Aube, France - Died: 1973: Paris, France

French administrator and naturalist in Madagascar.

After being severily wounded at the battle of the Marne in 1914, Raymond Decary went to Madagascar as a volonteer in 1916. He then pursued a carreer in the French colonial service. In 1933, he became assistant-director at the office of the governor-general in Tananarive, and in 1937 he was appointed director of scientific research in Madagascar.

See: http://fr.wikipedia.org/wiki/Raymond_Decary

Dr. Jean B. Theodore Delacour

Born: 26 September 1890: Paris, France - Died: 5 November 1985

French ornithologist;

Spent much of youth in Picardy. Obtained his PhD. Of biology at the University of Lille.

Served in WWI. For many months battle line going through family estate. After the war, moved to Chateau Clères in Normandy.

Founded L'Oiseau.

1922: expedition to Venzuela and the Guianas.
1923 - 1940: travelled in Indochina
1939: 15 February 1939 Chateau Clères burned to ground, evidently by arson.
1939: After collapse of the French front, escaped to New York, where he became an associate of the American Museum of Natural History
1952: 1 February 1952 accepted directorship of Los Angeles County Museum.

See: Corbet and Hill (1992):
http://zoonomen.net/bio/biod.html

Lieutenant Charles de la Kethulle de Ryhove

Born: ? - Died: ?

Lieutenant Charles De La Kethulle de Ryhove travelled in Central African Republic in 1892-1893, see his paper in Bull.Soc.Royale Belge de Geographie, 1895, pp. 397-428, 513-542

Terrence C. Demos

Born: ? - Died: ?

Researcher at the FMNH, working on the evolutionary diversification of African small mammals.

He did field research in:
Democratic Republic of Congo: Itombwe Massif and Kahuzi-Biega NP (2014, 2015)
Kenya: Mt. Kenya, Mt. Elgon and Cherangani Hills (2011)
Kenya: Mau Forest (2010)
Democratic Republic of Congo: Itombwe Massif (2008)
Malawi: Misuku Hills (2007)
Kenya: Aberdare Mountains (2006)

see: https://bioone.academia.edu/TerrenceDemos/CurriculumVitae

Captain R.E. Dent

Born: 1882 - Died: ?

British explorer who was in tropical Africa in 1901 and 1906. In 1931 he was a game warden in Africa.

(see Beolens et al., 2009)

13th Earl of Edward Smith Stanley Derby

Born: 1775 - Died: 1851

Corbet and Hill (1992): English naturalist and collector; established the 'Knowlesley Menagerie' in Lancashire and bequeathed his collection to the city of Liverpool.

Drs. Antoon Emeric Marcel De Roo

Born: 26 August 1936: Roeselare, Belgium - Died: 25 February 1971

Antoon De Roo obtained his Biology degree in 1959 at the Katholieke Universiteit Leuven, Belgium, but was already since 1954 involved with the Belgian Bird Ringing Centrale. After his militairy service, he went to Congo for a three year period, teaching at the St. Louis college in Luluabourg [=Kananga]. His great interest into African birds brought him in contact with Dr. Henri Schouteden, honorary director of the Tervueren Museum, who encouraged him to examine the extensive collections at that museum. On 1 May 1968, he was appointed assistant at the Laboratory of General Zoology at the Rijksuniversitair Centrum in Antwerp, where he took part at the first of the three Belgian Togo Expeditions, lead by Prof. Dr. W.N. Verheyen (see Verheyen, 1972).

J.M. Derscheid

Born: ? - Died: ?

Belgian naturalist. Worked in Congo in the late 1920s and 1930s; director of the Albert National Park, and of the Internation Nature Protection Agency.

dr. Fritz Dieterlen

Born: 12 April 1929: Rottweil, Germany - Died: 17 January 2017

Fritz Dieterlen studied zoology, botany and geography in Munich and Freiburg, Germany, where he promoted in 1959. From 1963 to 1967, he worked at the Institut pour la Recherche Scientifique en Afrique Centrale (IRSAC) in Lwiro-Bukavu in the DRC, where he studied the ecology and taxonomy of rodents in the savanna and rain forests of East and Central Africa. From 1967

to 1969, he was curator of mammals in the ZFMK (Bonn, Germany), and from 1969 to 1994, he was in charge of the mammals section of the SMNS (Stuttgart, Germany).

(see: https://de.wikipedia.org/wiki/Fritz_Dieterlen)

George Edward Dobson

Born: 4 September 1848: Edgeworthstown, Ireland - Died: 25 November 1895: Malling Place, Kent, U.K.

G.E. Dobson obtained his B.A. in 1866, his M.B. and M.Ch. the year after, and his M.A. in 1875, all at Trinity College, Dublin. In 1868, he entered the Army medical department, and is stationed in India. In 1872, he relocated to the Andaman Islands. He became a member of the Linnean Society in 1874. He returned to England in 1876, and was appointed curator of the Royal Victoria Hospital's museums. In 1883, he was made a fellow of the Royal Society. In 1888, he fell ill with an ultimately fatal affliction and retired as surgeon-major from the Army.

Corbet and Hill (1992): Surgeon in the Indian Army, later Superintendent of the Military Hospital at Netley, Hampshire, England. They mention 1848 as date of birth. For birth in 1844, see Zool. Anz., 19 (484): 48.

see: http://www.wku.edu/~smithch/chronob/DOBS1848.htm

Felix Anton Dohrn

Born: 1840 - Died: 1909

Marchese Giacomo Doria

Born: 1840 - Died: 1913

Corbet and Hill (1992): Founder of the Genoa Museum.

Jean Dragesco

Born: ? - Died: ?

Former professor at the Federal University of Cameroon, researcher of the French scientific organisation (CNRS), zoologist and film-maker.

Dr. Ralph Evelyn Drake-Brockman

Born: 1 October 1875 - Died: 15 November 1952: Worthing, Sussex, UK

Robert C. Drewes

Born: ? - Died: ?

Bob Drewes received his Ph.D. from the University of California in 1981, and is currently curator of herpetology at the California Academy of Sciences.

See: http://research.calacademy.org/herp/staff/bdrewes#tabs-profile-2

Dr. Albert Dubois

Born: ? - Died: ?

Member of the Congo Red Cross (see Hayman, 1939: 220).

Frederick DuCane Godman, Esq.

Born: 15 January 1834 - Died: 19 February 1919

English lepidopterist, entomologist and ornithologist.

See: http://en.wikipedia.org/wiki/Frederick_DuCane_Godman

Jean Dybowski

Born: 1855 - Died: 1928

Sent by the Comité de l'Afrique Française to reinforce the Paul Crampel mission in Congo (Brazzaville) after the mission's massacre on 14 July 1891. He went into Banda country, among the Ngapou. He gave up trying to reach as-Sanusi and looked for a more westerly route toward the Chad basin. On 1 March 1892, he signed a treaty with Krouma, the leader of the Banda-Togbo, by which the latter accepted a French protectorate over his country. In March 1893, going up the Kemo and then the Tomi, Dybowski found the Kemo post among the Banda-Togbo. Taken ill, he was repatriated to Brazzaville.

Jean Dybowski was also a botanical collector, who travelled in Algeria, Central African Republic, Comoros, Congo, Côte d'Ivoire, Guinea, Madagascar, Mali, Senegal.

see: Kalck, P. (2005). Historical Dictionary of the Central African Republic.
http://kiki.huh.harvard.edu/databases/botanist_search.php?botanistid=63972

Effeld

Born: ? - Died: ?

or Effeldt

Dr. A. Elbl

Born: ? - Died: ?

Undertook a parasithological mission in the East of Congo and in Rwanda in 1962.

See: Benoit, P.L.G. (1969). Anoplura receuillis par le Dr. A. Elbl au Rwanda et au Kivu (Congo). - Rev. Zool. Bot. Afr., 80 (1 - 2): 97 - 120.

Dr. Emin Pascha / Pasha / Bey

Born: ? - Died: ?

Christened Eduoard Schnitzer.

The name "Emin" he adopted, it was the name of a Doctor that he replaced in Lado. He is frequently referred to as "Emin Pasha", but "Pasha" is a title of rank in the Ottoman empire. General Gordon, for example was often referred to as "Gordon Pasha" but nobody would include "Pasha" as part of his name.

Hartlaub refers to this man as "Emin Bey" similar to "Pasha" "Bey" is a Turkish title for "Chieftan" and, it seems, should not be held as part of a person's name.

Osborn (1919: xv) places Emin Pasha in Congo in 1883.

See: http://zoonomen.net/bio/bioe.html

Louise H. Emmons

Born: ? - Died: ?

Anderson (1997: 129): USNM, with F. Hinojosa on RAP expedition of Conservation International to northern La Paz department (Bolivia) in 1990 (field number 741-762); visited the Huanchaca area in Santa Cruz in 1991 (field numbers 764-784); in Pando with another RAP team in July 1992 (field numbers 832-908).

Leonardo Fea

Born: 1852 - Died: 1903

Corbet and Hill (1992): Italian zoologist, at Genoa Museum; collected in Burma 1885-87.

Pietro Felter

Born: 4 August 1856: Roe Volcano, Brescia, Italy - Died: 25 January 1915: Sabbio Chiese, Italy

Pietro Felter reached the Italian colony of Assab, Eritrea in 1884, but returned to Italy in 1885. In 1890, he arrived in Harar as representative of Bienenfeld & Co. of Aden. After the political relations between Ethiopia and Italy had been broken, he served as official correspondent ("secret agent") of the government in Rome 1891-September 1895. From October 1895, he resided in Zeila. The Italians later appointed Felter commissario of Assab where he stayed for 17 years and finally contracted leprosy.

see: http://www.nai.uu.se/library/resources/dossiers/local_history_of_ethiopia/h/ORTHARAR05.pdf, http://it.wikipedia.org/wiki/Pietro_Felter

Friedrich Hermann Otto Finsch

Born: 8 October 1839: Warmbrunn, Silesia, Germany - Died: 31 January 1917

1861 Obtained a position at Leyden Mus. Under Schlegel
1872 visited California
1884 succeded Hartlaub as curator at Bremen.
1879 - 1882; 1884 - 1886 Toured South Seas.
1898 Leyden, curator Rijk Museum
1904 curator of Ethnographic section Museum at Brunswick, Germany

See: http://zoonomen.net/bio/biof.html

Major Stanley Smyth Flower, OBE

Born: 1 August 1871: London, England - Died: 3 February 1946: Tring, Hertfortshire, England

Major S. S. Flower was an officer in the British army, a science advisor, an administrator, a zoologist, and a conservationist.

Stanley Flower was educated at Rottingdean and Wellington College, Berkshire. He took an early interest in natural history and from the age of eleven regularly attended the meetings of the Zoological Society with his father. After leaving Wellington, Stanley went to King's College London for a brief time, but joined the Artists' Rifles in 1888. In 1890 he obtained a regular commission with the Northumberland Fusiliers. With his regiment he went to India and the Straits Settlements, where he studied the fauna. In 1896 he married and was sent to Bangkok as Scientific Advisor to the Government of Siam. He spent two years in Siam, where he was in charge of the Zoological Museum in Bangkok; he took several trips in Siam and the Malay Peninsula to study the vertebrate fauna. Flower left Bangkok in 1898 because he was appointed by Lord Cromer to the post of Director of the Zoological Gardens in Giza. With the exception of military service during the First World War, Flower remained as director until his retirement in 1924. While in the post of director, Flower went on many trips. In 1913 Field-Marshal Lord Kitchener sent him to India to report on the collections of wild animals held in captivity there. In WWI, Flower organized and commanded the Transport Corps in the Suez Canal Zone, the Sinai, and southern Palestine. During the Insurrection of 1919, Flower acted as Inspector of the Interior, Giza and as Political Officer, Giza; it was for his role in this conflict that he was appointed as an Officer of The Most Excellent Order of the British Empire. While he was in Egypt, Flower organized the Zoological Museum in a building at the Gardens, started the Fish Garden with aquarium on Gezira Island, and was appointed Ranger of Central Africa. He established and enforced game laws in Egypt and the Sudan.

In April 1924, upon his resignation as Director of the Zoological Gardens, Flower and his wife returned to England to settle at Spencer's Green, Tring. During his retirement, he wrote many papers on the mammals, reptiles, and amphibians of Egypt and on animal longevity. He was vice-president of the Zoological Society from 1927 to 1929 and chair of the British Ornithologists' Club from 1930 to 1933.

See: http://en.wikipedia.org/wiki/Stanley_Smyth_Flower

Frans

Born: ? - Died: ?

A native messenger (see Roberts, 1917c: 265).

Serge Frechkop

Born: 1894: Moscow, Russia - Died: 1 december 1967

Serge Frechkop started at the university of Moscow in 1913. His study was interrupted by the revolutionary war in 1916 and it took until 1921 before he could continue his education. Frechkop obtained his PhD in 1924, and in the same year he left the Soviet Union to move to Belgium, where he started to work part time at the zoology lab of the Brussels University. In 1930 he joined the "Institut royal des Sciences naturelle de Belgique" as a scientific collaborator. In 1936, he naturalized and the year after, he was appointed assistant curator. He was head of the Vertebrate section from 1947 to 1953. In 1959, he retired.

During 1937-1938, he took part in the missions to the Albert park in Congo and to the Kagera Park in Rwanda.

see: Anonymus (1968). Nécrologie Serge Frechkop (1894 - 1967). - Mammalia, 31 (1): 132 - 133.

Herbert Friedmann

Born: 22 April 1900: Brooklyn, New York, USA - Died: 14 May 1987: Laguna Hills, California, USA

Herbert Friedmann was an American ornithologist, who worked at the Smithsonian Institution for more than 30 years, becoming curator of birds from 1929.to 1958, and head curator of zoology from 1958 to 1961. In 1961, he became director of the Los Angeles County Museum of Science, History and Art.

After extensive research into honey guides (family Indicatoridae) in European museums during the summer of 1950, he spent the fall and early winter of 1950-51 studying the guiding habit of the bird by direct field observations supplemented by interviews with naturalists and other local observers of birds in South Africa and Southern Rhodesia (now Zimbabwe). Friedmann furthermore secured funds from the National Science Foundation for surveys of the fauna of little-known, isolated, dwindling forests in western Uganda in 1966-70, and the resulting collections further enriched the Los Angeles museum's holdings.

See: http://en.wikipedia.org/wiki/Herbert_Friedmann, http://books.nap.edu/html/biomems/hfriedmann62.pdf

Jiri Gaisler

Born: 3 July 1934: Prague, Czech Republic - Died: 17 July 2014

After completion of his graduate studies at the Faculty of Science at Charles University (Prague) in 1957, Jirí Gaisler started as a research assistant at the Institute of Vertebrate Zoology of the Czechoslovakian Academy of Sciences (Brno), where he specialised in bat research. In 1969, he joined the Department of Animal and Human Biology of the University of Jan Evangelista Purkyne in Brno (currently retitled the Department of Botany and Zoology, Masaryk University), where he worked, with only a few short breaks, to his untimely death. In 1979, he became Associate Professor and in 1991 Full Professor. Between 1990 and 1996, he was Head of the Department of Zoology and Ecologyn and between 1995 and 1999 Vice-Dean of the Faculty of Science for Scientific Education.

Sir Francis Galton

Born: 16 February 1822: near Sparbrook, UK - Died: 1911

Born: The Larches, near Sparkbrook, Birmingham, U.K

Francis Galton launched his scientific career with an expedition to tropical Africa and subsequent election to the Royal Geographical Society.
Galton was a half-cousin of Charles Darwin.
Besides a tropical explorer and geographer, Galton was also a meteorologist, geneticist, phychologiest, statistician, and eugenicist.
In 1845 he undertook a trip to Egypt and the Soudan. In the winter 1900-1901 he visited Egypt again.

[on this first trip he might have collected the type specimen of *Nyctinomus pumilus* - BMNH 1849.2.8.36, which only mentions "Africa" as locality]

(see http://www.galton.org/

see also Galton, F. (1908). Memories of my life. Methuen & Co, London.
(PDF available through the above website))

Carl Gans

Born: 1923 - Died: ?

Anderson (1997: 130): American herpetologist; in Beni (Bolivia) in 1954.

Peter Baaro Gathura

Born: ? - Died: ?

Senior lecturer in Veterinary Medicine at the University of Nairobi, Kenya.

Julius C. Geest

Born: ? - Died: ?

Julius C. Geest collected specimens for the Smithsonian Institution African Mammal Project, primarily in Nigeria (11 October 1966 - 13 June 1967; specimen numbers 200 - 3696) and Ghana.

See: https://siarchives.si.edu/collections/auth_per_fbr_eacp660, https://siarchives.si.edu/collections/fbr_item_modsi5243

Guy-Crispin; Musaba Akawa, Prescott; Akaibe, José Gembu Tungaluna,

Born: ? - Died: ?

Guy-Crispin; Musaba Akawa, Prescott; Malekani, André Gembu Tungaluna,

Born: ? - Died: ?

Etienne Geoffroy-Saint-Hilaire

Born: 1772 - Died: 1844

Corbet and Hill (1992): Professor of Zoology, Museum d'Histoire Naturelle, Paris; after whom *Inia geoifrensis, Anoura geoffroyi*, and *Felis geoffroyi* are assumed to have been named.

Rodolphe Germain

Born: ? - Died: ?

Corbet and Hill (1992): Collected in Indochina.

Dr. Burhan M. Gharaibeh

Born: ? - Died: ?

Burhan Gharaibeh obtained in 1997 his Ph.D. in Zoology at the Texas Tech University, Lubbock, Texas, USA.

A. Gierra

Born: ? - Died: ?

A. Gierra was an expert on north and east African languages. He presented a collection of reptiles (and mammals) from Tanga (Tanzania) to the MNHN, and insects to the Entomological Society of France (in 1895).

see Beolens et al. (): The Eponym Dictionary of Reptiles

Georges Gilson

Born: ? - Died: ?

Served with the 9th "rég. de ligne" about 1908; colonel with the 5th "rég. de ligne"; ended his career as general. He was honorary president of the "Fraternelle des Anciens Combattants du 9ème de ligne".

As a second lieutenant of the Public Forces, he was sent to the Yumbi Camp (Stanley Pool) in 1896. As a captain, he was sent to the Bangala district, where he fought against the Budja. He was then made superior, district commissioner at the Uele district and commander of the reinforcement group to Yakuluku (Uele). Later he was commander of the zone from Meridi to Ganzio (at the start of Paulis, in April 1906).

See: Van Schuylenbergh (1997: 36).

Alfred Grandidier

Born: 20 December 1836 - Died: 13 September 1921

Together with his brother (Ernest: 1833 - 1912), he undertook a voyage around the world, which led them to South America (the Andes, Peru, Chili, Bolivia, Argentina and Brazil) in 1858 and 1859. After this voyage, both brothers went their way. Ernest traveled to China and Alfred to India, where he arrived in 1863. A severe fever prevented him from attaining his target: the Tibetan highlands.

Alfred then traveled to Zanzibar to recover, and to compile an important collection. Later on, he visited the island of Reunion, and in 1865 he visited Madagascar for the first time. Subsequent visits were made in 1866 and 1868. In 1870, he definitively returned to France, where he started his opus major: "L'histoire politique, physique et naturelle de Madagascar", together with Alphonse Milne-Edwards and Leon Vaillant.

In 1885, he was elected member of the French "Académie des Sciences", and he was president of the French "Société de Géographie" between 1901 and 1905.

See: http://en.wikipedia.org/wiki/Alfred_Grandidier

Guillaume Grandidier

Born: 1873 - Died: 1957

Son of Alfred Grandidier (1836 - 1921)

Helgen (2002: 381) indicates that the major part of Guillaume Grandidier's collection was purchased in 1947 by Robert Barbour, and was deposited in the Mammal Department of the Museum of Comparative Zoology, at the Harvard University.

See: http://zoonomen.net/bio/biog.html

R. Grauvet

Born: ? - Died: ?

Prof. Abel Gruvel

Born: 1870 - Died: 1941

Abel Gruvel was professor at the MNHN, Paris, where he held the chair of "Pêcheries et production coloniales d'origine animale" (fisheries and colonial production of animal origin).

In his teens, Gruvel frequently visited the marine stations of Roscoff and Banyuls-sur-Mer, which led to obtaining his master's degree in natural sciences in 1889. He then made a PhD on Cirripedes. Following this work, he rejoined the science faculty of the university of Bordeaux in 1893 as head of the zoology lab.

In 1903, the new governor-general of French Western Africa (Ernest Roume) commissioned the geographical society of Bordeaux to study the fisheries on the western coast of Africa, more specifically in Mauritania. Gruvel led this mission to study the ichtyological fauna of the Arguin bank and its industrial utilisation.

Between 1905 and 1912, Gruvel undertook 6 expeditions. During his third mission (1909-1910), he travelled along the coast from Senegal to South Africa. After World War I, he participated on average in one expedition per year until his retirement in 1940.

André Guissart

Born: 1949 - Died: 11 April 2002

Co-founder of B.E.D.I.M., (Bureau for Exchange and Distribution of Information on Minilivestock) Mr GUISSART was a true ornithologist and naturalist and through his daily professional activities, he was in daily contact with the forests of Belgium. But he also spent several years in a number of different tropical countries (e.g. Congo, Uganda, and Northern Cameroon) and throughout, expressed genuine concern for the well being of the local populations. In our association, he was above al1 responsible for aspects of minilivestock breeding related to diversity.

See: Anonymous (2002). In Memoriam. - Bulletin Bedim, 11 (1): 1.

Gustave Gustin

Born: 1867: Linière - Died: 1911: Pania Mutombo, Kasai, DRC

Gustave Gustin entered the military school in 1886 and was appointed second lieutenant to the 2nd "reg de ligne" in 1888. He became second lieutenant of the Public Forces, attached to the Van Kerckhoven expedition. He accompanied Ponthier at the battle on the Makongo (October 1891) and then left for Bomokandi and the route to the Nile, further on towards Ganda (a post in the Lado enclave). He founded the Alema post (1891 - 1894). He was promoted to district commander and explored the area between Lopori-Congo (Bangala) (1901 - 1904). He became district commissioner in Lualaba-Kasai (1905 - 1908) and organized the expedition against the tetela rebels (Haut-Lubilash) and ultimately was made commissioner-general (1909 - 1911).

See: Van Schuylenbergh (1997: 39).

Dr. Alwin Karl Haagner

Born: 1880 - Died: 15 September 1962

Haagner worked in the Transvaal Museum from 1906, where he started the museum's great ornithological collection. Haagner left the museum in 1911, was succeeded by Austin Roberts, and became director of the Pretoria Zoological Gardens.

See: http://en.wikipedia.org/wiki/Alwin_Karl_Haagner

Prof. Eugene Raymond Hall

Born: 11 May 1902: Imes, Kansas, USA - Died: 1986

Professor E. Raymond Hall was director of the University of Kansas Museum of Natural History and curator of mammals from 1944 to 1967. was a time of rapid expansion of all the collections, particularly the mammals. To house the rapidly growing collections, Hall successfully lobbied for an addition to the museum, which more than doubled the available space.

Hall attended local schools and received his B.A. degree from the University of Kansas in 1924. While an undergraduate, Hall worked in the Division of Mammals under the guidance of C. D. Bunker.

Through diligent study, Hall completed his degree requirements ahead of his class and accepted a teaching assistantship at the University of California at Berkeley in January 1924, receiving his M.A. degree in 1925 and Ph.D. in 1928. He served as curator of mammals at Berkeley from 1927 to 1944 and was acting director of the museum from 1938 to 1944.

In 1967 Professor Hall officially retired, though he continued to work in his office at the Museum of Natural History for many years.

See: http://vertebratepaleontology.biodiversity.ku.edu/e-raymond-hall

William J. Hamilton, III

Born: 13 November 1931: Ithaca, New York, USA - Died: 24 April 2006

William (Bill) J. Hamilton III was the son of William J. Hamilton II, who was a professor of mammalogy in Cornell's zoology department, and Bill cut his teeth as a naturalist trapping mice in the Adirondacks with him. After graduating from Cornell (1953), and service in the Korean War, Bill signed on to study with Starker Leopold at the University of California Berkeley, receiving his PhD in 1960. After post doctoral research at the California Academy of Sciences, studying dispersal patterns in starlings and with his wife, Marion, studying breeding among yellow-billed cuckoos in Arizona, he joined the faculty at UC-Davis in 1963, remaining there for the rest of his career.

His lifelong love affair with Africa began with a study of coral reef fish near Mozambique in 1963. Between 1968 and 1979 he embarked on multiple projects related to the ecology of desert insects in Egypt, Botswana and Namibia.

In 1972, Bill undertook his first studies of African mammals, oryx and baboons in the Namib Desert and Botswana, and by 1976 had sent up a permanent field camp in the Okavango Swamp, Botswana to study an unusual population of savanna baboons, and subsequently (with John Bulger and John McNutt) a population of wild dogs between Angola and Mozambigue.

Even after Bill retired from UC Davis in 1994 he continued to teach annual courses on environmental problem solving and desertification to Namibian students at the Namib Desert Research Station currently under the direction of his former student, Dr. Mary Seely. Retirement also marked a new phase in Bill's lifelong work as a conservationist. He described it as "evaluating environmental grandeur, local traditions and tourism values of nature". At the top of his list of priorities was saving California's increasingly endangered populations of Tricolored Blackbirds. Working with the U.S. Fish and Wildlife Service, often assisted by his grand-daughter Lily Starling, wading beside him through muddy Central Valley rice fields, Bill developed new management guidelines for this species.

See: http://www.universityofcalifornia.edu/senate/inmemoriam/williamjhamilton.htm

Dr. David Lakin Harrison

Born: 1 October 1926: Sevenoaks, Kent, England, U.K. - Died: 19 March 2015

David Harrison was a medical doctor by profession but an explorer, Arabist, palaeontologist, and distinguished classical taxonomist by inclination.

In August, 1953, at the age of 26, he arrived as a newly qualified doctor in Habbaniya, Iraq to take up his post as 'Deputy medical physician to Middle East Command'. Two years later, he published his first paper on his Arabian field work. Ninety papers followed based on meticulous research and extensive field trips to Kurdistan, Oman, (South) Yemen, Syria, Jordan, and Israel.

See: Obituary in The Daily Telegraph.

R. McDonald Hawker, Esq.

Born: ? - Died: ?

Robert William Hayman

Born: 11 November 1905 - Died: February 1975: Ottery St. Mary, U.K.

R.W. Hayman was connected with Mammal section of the Natural History Museum in London as: boy attendant (1921); attendant (1924); technical assistant 2nd class (1930); 1st class (1938); senior experimental officer (1948); chief experimental officer (1958); retired 1967.

see: http://www.nhm.ac.uk/research-curation/library/archives/catalogue/DServe.exe?dsqServer=placid&dsqIni=Dserve.ini&dsqApp=Archive&dsqDb=Persons&dsqSearch=Code=='PX516'&dsqCmd=Show.tcl

Bruce Joliffe Hayward

Born: 13 April 1928 - Died: 3 August 2011: Silver City, New Mexico, USA

Anderson (1997: 130): Silver City, New Mexico; 1987, collected in Santa Cruz with MSB party, July and August 1987 (field numbers 8639-8753); May and June 1988 (field numbers 8785-8939) (Bolivia).

Dr. Bruce J Hayward came to Silver City and Western New Mexico University in 1961 from the University of Arizona and remained at WNMU throughout his career. In addition to teaching his coursed in the Biological Sciences, he was active in small mammal research projects with the New Mexico Department of Game and Fish, Bureau of Land Management, United States Forest Service, the Chicago Museum of Natural History and the Smithsonian Institute in Washington, D.C. He was also active in the New Mexico Ornithological Society and participated in bird counts around the area and state until his death. During his worldwide travels he visited all seven continents and over 100 countries. He was also constantly visiting old mining sites and mist netting stock tanks in pursuit of a variety of bat species.

See: http://boards.ancestry.com/localities.northam.usa.states.newmexico.counties.donaana/5575/mb.ashx

Célestin Hecq

Born: 1859: Alost, Belgium - Died: 1910: Liège, Belgium

Célestin Hecq entered the lancers regiment in 1878. He was promoted to second lieutenant in the 4th regiment and lieutenant in the second regiment of the guides in 1883. He became captain in the Public Forces, and resident in the territory of the sultan of Rafai and later on in the territory of sultan Semio (Ubangi-Bomu). He was then promoted to commander of the Uere camp (1894 - 1897), designated to the arab zone and the camp at Mtoa (Albertville) to reduce the tetela insurgents to the north of lakes Tanganyika and Kivu. He was then named district commander (Tanganyika, 1899), where he negotiated a frontier convention between the Congo Free State and German East Africa (1898 - 1900).

See: Van Schuylenbergh (1997: 43).

Gerd H. Heinrich

Born: 1896 - Died: ?

Corbet and Hill (1992): German zoologist; travelled in Sulawesi 1930-32.

Kristofer M. Helgen

Born: ? - Died: ?

Curator-in-Charge at the USNM.

He obtained his B.A. (Biology): Harvard University in 2001, and his Ph.D. (Zoology): University of Adelaide in 2007.

Edmund Heller

Born: 21 May 1875: Freepont, Illinois, USA - Died: 18 July 1939;

Edmund Heller studied at the Stanford University, where he collected specimens in the Colorado and Mojave Deserts in 1896-7 and where he graduated in zoology in 1901.

In 1907, he was a member of the Field Columbian Museum's African expedition (with Carl Ethan Akeley). After his return, he was appointed Curator of Mammals at the Museum of Vertebrate Zoology (MVZ) and participated in the 1908 Alexander Alaska Expedition.

In 1909, he started working with the Smithsonian Institution when he was chosen as naturalist for large mammals on the Smithsonian-Roosevelt African Expedition under the command of Colonel Theodore Roosevelt. He worked closely with John Alden Loring who worked as naturalist for the small mammals on the Expedition and they collaborated on their field notes. On his return from the expedition, he co-authored Life Histories of African Game Animals with Roosevelt. Heller also accompanied the Rainey African Expedition of 1911-1912 for the Smithsonian and led the Smithsonian Cape-to-Cairo Expedition of 1919-1920.

Heller also participated in explorations in Alaska with the Biological Survey, in Peru with Yale University and the National Geographic Society, in China with the American Museum of Natural History, and in Russia with Paul J. Rainey, official photographer to the Czech army in Siberia.

From 1926 to 1928, he was curator of mammals at the Field Museum of Natural History in Chicago. From 1928 to 1935, he was the director of the Washington Park Zoo in Milwaukee and from 1935 to 1939 of the Fleishhacker Zoo in San Francisco.

He was also the president of the Association of Zoos & Aquariums from 1935 to 1939.

See: https://en.wikipedia.org/wiki/Edmund_Heller

Friedrich Wilhelm Hemprich

Born: 1796 - Died: 1825

Zimmer, 1926. p.204 notes that Hemprich died in the field during the expedition (1820 - 1825).

See: http://zoonomen.net/bio/bioh.html

F.L. Hendricks

Born: ? - Died: ?

Prof. Jean Hiernaux

Born: 1921 - Died: 2007

Jean Hiernaux was professor at the Université Libre de Bruxelles (Belgium) and Director of Research at the National Center for Scientific Research, Paris, France. He carried out extensive anthropometric and serological work on Sub-Saharan Africans.

At least in the period 1959 - 1960, he resided in Lubumbashi.

See: http://en.metapedia.org/wiki/Jean_Hiernaux
Van Schuylenbergh (1997: 46).

Dick Hillenius

Born: 29 May 1927: Amsterdam, The Netherlands - Died: 4 May 1987: Amsterdam, The Netherlands

In 1951, Dick Hillenius became a student-assistant athe Zoological Museum, where he was promoted to temporary exhibition curator in 1952. In 1957, he became curator of the Reptiles and Amphibians department, a function he held until his death.

He was also known as a writer and poet.

See: http://resources.huygens.knaw.nl/bwn1880-2000/lemmata/bwn6/hillenius

Hans Himmelheber

Born: 1908 - Died: ?

Hans Himmelheber, an anthropologist and physician, made ten expeditions to the Dan and neighboring peoples of Liberia and the Ivory Coast between 1949 and 1976. He was usually accompanied by his wife, Ulrike Himmelheber, or his son, Eberhard Fischer, with whom he has published extensively on Dan woodcarving and masking traditions. Himmelheber also conducted fieldwork in Alaska and the Belgian Congo. In 1935, Himmelheber presented several objects he collected among the Baule and Atutu of the Ivory Coast "in gratitude for the friendship and hospitality" afforded by the Institution during his visit that year.

See: Leopold, R.S. (1994). A guide to early African collections in the Smithsonian Institution (http://anthropology.si.edu/leopold/pubs/early_african_collections.pdf)

Mrs. Hildegarde Hinde

Born: ? - Died: ?

Wife of dr. Sidney Langford Hinde.

Dr. Sidney Langford Hinde

Born: 1863 - Died: 1930

Husband of Hildegarde Hinde.

Emil Holub

Born: 7 October 1847: Holice, Eastern Bohemia - Died: 21 Dec/Feb 1902: Vienna, Austria

1872 M.D. at Prague University
Died of complications of malaria and other diseases acquired in Africa.

See: http://zoonomen.net/bio/bio*.html

Harry H. Hoogstraal

Born: 24 February 1917: Chicago, Illinois, U.S.A. - Died: 24 February 1986: Cairo, Egypt

American entomologist and parasitologist. He was described as "the greatest authority on ticks and tickborne diseases who ever lived."

Hoogstraal earned his B.A. (1938) and M.S. degrees (1942) from the University of Illinois. During World War II, he served as an officer entomologist (1943 - 1946) in the United States Army. He later received Ph.D. (1959) and D.Sc. (1971) degrees from the London School of Hygiene and Tropical Medicine. In 1938 - 1941, he organized and led four multi-disciplinary biological expeditions into the mountain and desert portions of western and southwestern Mexico. These resulted in the amassing of large, scientifically valuable collections of animals and plants. During World War II, Hoogstraal was assigned to the U.S. Army 19th Medical General Laboratory, near Hollandia, Dutch New Guinea. With the end of World War II, Hoogstraal did not seek an early return to the United States as did most of his Army colleagues. Instead, he took his discharge in Manila and, under the auspices of the Field Museum, organized a major biological expedition into the interior of the Philippine islands of Mindanao and Palawan (1946 - 1947) and spent the next two years exploring and collecting in those biologically poorly-known islands. The collections resulting from his efforts were the richest ever made from those portions of the Philippines. Following his return from the Philippines in 1948, he joined, as an employee of the United States Navy Bureau of Medicine and Surgery, the University of California African Expedition in 1948 - 1949. This began his lifelong sojourn in Africa. At the completion of this expedition (which began in Egypt and traveled through Sudan, Kenya, Uganda, Tanzania, and Madagascar) he continued on for a while in Madagascar and then moved to Cairo, Egypt, to organize and become Head of the Department of Medical Zoology, U.S. Naval Medical Research Unit No. 3 (NAMRU-3), a position which he held for the remainder of his life.

See: http://en.wikipedia.org/wiki/Harry_Hoogstraal
Oliver and Keirans (2000)

Aleš Hrdlicka

Born: 30 March 1869: Humpolec, Bohemia, Czech Republic - Died: 5 September 1943: Washington, D.C., USA

Aleš Hrdlicka was an important figure in the development physical anthropology in the United States.

Aleš Hrdlicka was 13 when his family emigrated to the U.S. and settled in New York. Aleš worked together with his father in the tobacco factory until he was 19 years old. In 1888, he fell seriously ill with typhoid fever. It was during that time Hrdlicka met Dr. M. Rosenblueth, a physician and a former rabbi. This meeting changed his life forever. Upon recovery, with the help of Dr. Rosenblueth, Hrdlicka entered and graduated from the Eclectic Medical College of the City of New York. In 1894, he received a research position in the newly founded State Homeopathic Hospital for the Insane, at Middletown, New York. It was there that he developed his interest in anthropometry, the study of measuring the human body, which he further specialized in Paris, under Leon Manouvrier.

In 1898, Hrdlicka visited Mexico to begin his research on the indigenous peoples there: the Tarahumares, the Huichols, and the Tephuanes. In 1903, the new department of physical anthropology was opened at the National Museum in Washington, DC. Today it is known as the Smithsonian museum. Aleš Hrdlicka became the first curator of the department, a post he held until his retirement in 1941.

See: http://www.newworldencyclopedia.org/entry/Ale%C5%A1_Hrdli%C4%8Dka

Michael H. Huhndorf

Born: ? - Died: ?

Mike Huhndorf obtained his B.S. at the University of Illinois-Chicago in 1997, and his M.S. at the Illinois State University in 2001.

See: http://archive.fieldmuseum.org/research_collections/pritzker_lab/pritzker/people/alumni_huhndorf.html

R.P. Gustaaf Hulstaert

Born: 5 July 1899: Melsele, Belgium - Died: 1990

Gustaaf Hulstaert was a Belgian entomologist, mainly interested in butterflies(Lepidoptera).

In 1924 he was ordained as missionary in the order of the Holy Heart. He left for the Belgian Congo on 15 September 1925, where he was posted in: Boende (1926 - 1927); Boteka (1927 - 1933); Bokuma (1933 - 1934); Bamanya (1936 - 1946); Boteka (1946 - 1948); and Bamanya (1951 - 1990).

From 1936 to 1946, he was missionary-inspector.

See: Wikipedia
http://www.aequatoria.be/04frans/032biobiblio/0321HULSTAERT.htm

Léon Humblot

Born: ? - Died: ?

Goodman *et al.* (2010c): Léon Humblot visited the Comoros between 1879 and 1880. Starting in 1894, he resided in the archipelago, where he died in 1914 (Dorr, 1997; Ouledi, 2008). The Humblot bat specimens are housed in the MNHN, but there are problems with the original locality information on the associated labels, as collections from Madagascar, the Comoros, and east Africa may have been mixed (Rand, 1936; Dorr, 1997, Labat and Schatz, 2002, Goodman and Maminirina, 2007; Goodman and Ranivo, 2009).

Freiherr Friedrich Wilhelm Heinrich Alexander von Humboldt

Born: 14 September 1769: Berlin, Germany - Died: 6 May 1859: Berlin, Germany

Humboldt was a German naturalist and explorer, and younger brother of the Prussian minister, philosopher and linguist Wilhelm von Humboldt (1767 - 1835).
Studied: Frankfurt University; Göttingen University; mining academy of Freiburg in Saxony.
Influenced by geologist Abraham Gottlob Werner. Worked in Prussian mining service.

1790: visited Paris with Georg Forster (naturalist on Captain James Cook's second voyage).
1796: financially independent; continued studies at Jena; met Goethe and Friedrich Schiller.
1799: accompanied by the botanist Aimé Bonpland, arrived in what is now Venezuela in July and spent the next 5 years exploring the South America. They navigated the Orinoco river and confirmed the existence of a connection between the Orinoco and the Amazon.
1802: June - Humboldt set out to climb the volcanic mount Chimborazo in the Andes (thought to be the highest mountain in the world). Reached nearly 20,000 feet, the highest point then reached by any European mountaineer.
1804: Humboldt brief visit to the United States; returns to Europe, settles in Paris until 1827.

Between May and November 1829, he traversed the Russian empire from the Neva to the Yenesei, travelling 15,472 km.

see http://en.wikipedia.org/wiki/Alexander_von_Humboldt, http://zoonomen.net/bio/bioh.html

M. Hutereau

Born: ? - Died: ?

Rév. Frère Jozef Hutsebaut

Born: 1886 - Died: 1954

Jozef Hutsebaut (Brother Hymelinus) was a friar-missionary of the abbey of Tongerlo (Belgium), who studie the fauna and flora of the Belgian Congo. He was the first to discover the Okapi and sent several specimens of this rare species to various European zoos.

See: http://www.tongerlo.org/abdij/adb_archief_index.htm

Graf Ludwig von Huyn

Born: 14 September 1896 - Died: 20 May 1946

Between about 1930 and 1934 Count Ludwig von Huyn (b. 14th September 1896, d. 20th May 1946) collected in central Ethiopia (province Shoa) more than 760 birds, 100 mammals, a few reptiles and some insects for the Museum Alexander Koenig (see Kumerloeve, 1974: 73).

I.P.N.C.

Born: ? - Died: ?

Institut des Parcs Nationaux du Congo Belge

Michael P. Stuart Irwin

Born: ? - Died: ?

Henry Paul William Lyster Jameson

Born: 1875: Pontypass, Newry, Co. Armagh, Ireland - Died: 22 February 1922: West Mersea, England

Jameson started his study at Trinity College, Dublin in 1891, where he obtained his BA in zoology, botany, physiology and geology in 1896 and his MA and DSc in 1902. He became interested in entomology and received a research grant from the Royal Irish Academy to study the fauna in Mitchelstown Cave. His interest in caves led him to record seven species of bat in Ireland. He was assistant at the Irish Museum in Dublin, which he left in September 1896, when he move to the Royal College of Science in London. He also matriculated on 27 December 1897 at the Zoological Institute of the Heidelberg University in Germany. Between 7 October 1898 and 17 April 1899, he visited the Zoological Station at Naples, Italy. From 1899 to 1900, he managed a pearl fishery at Samarai in the Conflict Islands, SE of Papua New Guinea. In 1901, he moved to Derby where he was appointed lecturer in Natural Science at the Municipal Technical college, where he remained 18 months. He then emigrated to the Transvaal. In 1903, he was appointed Inspector of Schoold in the Natal Department of Education, Pietermaritzburg. At the end of 1904, he was appointed Secretary of a Technical Education Commission to inquire into the higher and technical education in the Colony. In September 1905, he was promoted to be the first Professor of Biology at the Transvaal Technical Institute in Johannesburg.

In the Transvaal Museum some 747 items were associated directly or indirectly with Jameson. Most of them from the former South African colonies, but also from Angola, Botswana, the Democratic Republic of Congo, Mozambique, Uganda, Zambia, Zimbabwe, and Greece, although there is no evidence that Jameson himself had been north of the Limpopo River.

In 1908, he returned to England, where he rejoined the Civil Service. In 1911 he was Senior Examiner for the Board of Education. In February 1918, he was appointed British Sea Fishery Officer for the south-eastern coast. In September 1920 he was appointed Technical Adviser on Inshore Fisheries to the Ministry of Agriculture and Fisheries.

See: Craven (2012).

Jocque

Born: ? - Died: ?

Clyde Jones

Born: 3 March 1935; Scottsbluff, Nebraska, USA - Died: 6 April 2015;

Clyde Jones received his BA in History, Education, and Biology (1957) from Hastings College, and his MS (1960) and PhD (1964) degrees at the University of New New Mexico, Albuquerque. He then (1965) moved to the Tulane University, New Orleans, Louisiana, where he was appointed Assistant Professor and conducted field studies of primates, bats, and other mammals in Rio Muni, Republic of Equatorial Guinea, West Africa [1967 - 1968], as well as studies of mammals in the Southeast. In 1970, he became chief of the mammal section of the Bird and Mammal Laboratories of the U.S. Fish and Wildlife Service

housed in the U.S. National Museum of Natural History. He was appointed director of the National Fish and Wildlife Laboratory (1973 - 1979) and director of the Denver Wildlife Research Center from 1979 to 1982. In 1982, he returned to academic appointments at Texas Tech University, Lubbock, where he served as professor of biological sciences and curator of mammals. He served as director of the Museum of Texas Tech University until 1985, when he became the Chair of the Department of Museum Science until 1987, after which he was appointed full-time professor and researcher in the Department of Biological Sciences. After retiring in 2003, he remained active in research and in the mammal collection.

See: http://www.pwrc.usgs.gov/resshow/perry/bios/jonesclyde.htm
Bradley *et al.* (2005: 17 - 18); Jones and Jones (2016).

John Knox Jones, Jr.

Born: 16 March 1929: Lincoln, Nebraska, USA - Died: 15 November 1992: Lubbock, Texas, USA

J. Knox Jones, Jr. attended public schools in Lincoln and graduated from High School in 1947, and graduated as a zoologist from the University of Nebraska (at Lincoln) in 1953.

Jones's first publication on mammals appeared in 1949 in the Journal of Mammalogy.

In 1953, he joined the Army as a medical officer in Korea and Japan. During his service to 1955, he studied the epidemiology of Korean hemorrhagic fever.

In 1962, he completed his PhD on the distribution and taxonomy of mammals of Nebraska.

At the university of Kansas, J. Knox Jones, Jr. became Assistant Professor and Assistant Curator of Mammals (1962 - 1965), Associate Professor and Associate Curator (1965 - 1968), Full Professor and Curator of Mammals (1968 - 1971). In 1965, he also became Assistant Director of the Museum of Natural History and in 1967 Associate Director. In 1971 he became Dean of the Graduate School at Texas Tech University (Lubbock, TX). From 1972 to 1984, he was Research Associate at the Museum of the Texas Tech University, from 1971 to 1972 Acting Director and from 1984 to 1992 Curator.

During his active live, he visited many parts of the world, including Asia, Eastern Europe, Mexico, Central America, the Caribbean. During his carreer, he described 33 new mammalian taxa, and three taxa of mammalian parasites.

See:
Findley, *et al.* (1996): Obituary: J. Knox Jones, Jr., 1929 - 1992. - *Journal of Mammalogy*, **77 (2)**: 578 - 593.
Bradley *et al.* (2005: 14).

Theo Simpson Jones

Born: 1923 - Died: 1996

Grubb *et al.* (1998: vi): T.S. Jones graduated in agriculture from Reading University in 1943 and from the Imperial College of Tropical Agriculture in 1945, after which he joined the Colonial Service as Agricultural Officer in Sierra Leone, rising to Acting Director of Agriculture in 1955. He left Sierra Leone in 1960 and from 1960-1964 was Deputy Director of Agriculture and then Permanent Secretary, Ministry of Agriculture in Uganda. He retired from the Colonial Service in 1964 and joined the Commonwealth Development Corporation, retiring in 1983 as Natural Resources Adviser. He was with Hooker Agriculture International for five years, and continued with the Tropical Agriculture Association until just before his death. Theo was the most important individual collector of mammals there has been in Sierra Leone, most of his specimens going to the Natural History Museum, London. In 1953 he submitted a thesis to the Zoology Department of Reading University on the ecology and distribution of Sierra Leone mammals.

Jooris

Born: ? - Died: ?

Dr. Karl Jordan

Born: 1861: Hildersheim, Hanover, Germany - Died: 12 January 1959

Karl Jordan moved from Germany to England in 1892, when he started to work at the Rothschild's Museum at Tring. He was a member of the Commission on Zoological Nomenclature from 1913 to 1950 and its President from 1929 to 1948 (see Hemming, 1960).

Dr. M.P. Kahl

Born: ? - Died: ?

Ornithologist with the AMNH.

Dr. Sir John Kirk

Born: 1832 - Died: 1922

Sir John Kirk was a Scottisch diplomat, explorer and naturalist. He was Livingstone's chief assistante, physician, and naturalist duringhis second Zambesi expedition from 1858 to 1863. He later served as Vice Consul, then Consul General, in Zanzibar from 1866 to 1887. In 1873 he succeeded in obtaining the local sultan's agreement to a treaty abolishing the slave trade and to conced mainland territories to the British East Africa Company in 1887. He served on the Tsetse Fly Commission in 1887. Kirk was a polymath whose interests included botany, geography, history, geology, chemistry, and photography, as well as the study of Swahili, Arabic, Spanish, Portuguese, and French. He was a fellow of the Royal Botanical Society and sent specimens to the Royal Botanical Gardens in Kew in London. He also collected the first fishes from Lake Nyasa to reach Western science and observed that they were almost all endemic. He received numerous honorany degrees and awards, including the fellowships of the Royal society of London and the Geographical Society of Marcella.

Goodman *et al.* (2010c): Sir John Kirk was on Anjouan in April 1861, November 1862, and in 1866 (Dorr, 1997). Bats collected during these trips were deposited in the BMNH and included the holotype of *Pteropus livingstonii* from Anjouan (Bergmans, 1990).

See: Beolens, B., M. Watkins, and M. Grayson (2009). The eponym dictionary of mammals. - John Hopkins University Press.

D. Koekemoer

Born: ? - Died: ?

Dr. Christopher P. Kofron

Born: ? - Died: ?

U.S. Fish and Wildlife Service

Prof. Friedrich Anton Kolenati

Born: 1812: Prague - Died: 1864: Praded

Flasar (1997: 149): Friedrich Anton Kolenati (1812- 1864) was a Czech physician, naturalist and traveller. Born in Prague he worked in Russia (1842- 1846) as an assistant zoologist at the Academy of St. Petersbourg. During this time he made several expeditions to Caucasus. He returned to Prague in 1846 and worked at the university as an assistant professor of medically-pharmaceutical zoology, botany and crystallography. He founded Lotos, a natural history association and publishing house which survived him and existed until 1945. In 1849 Kolenati moved to Brno where he was appointed a full professor of natural history at the technical university. He held this post until his death. Kolenati devoted much of his last years to the zoological and botanical research of Mt. Praded (Altvater) and environs in the then Austrian Silesia. He lost his live at an excursion to Praded and is buried at the cemetery of a near-by village of Malá Morávka. Kolenati was never active as physician but he was one of thee greatest natural historians of his time. No doubt he was the greatest personality in natural history at the middle of 19th century in Bohemia and Moravia. The paper gives a full bibliography of Kolenati arranged according to the years when his works were published. He spoke and wrote several languages but his mother tongue was Czech and one of his papers on bee-keeping was written in Czech. His main fields of study concerned zoology, botany, mineralogy, geology and geography. In zoology he made research in entomology, arachnology and chiropterology. He was a leading personality of his time in the study of bats and bat parasites. Unfortunately, and from unknown reasons, zoological and botanical collections of Kolenati were lost. Neither exists a full collection of Kolenati's papers and books. However, many zoological and some other papers by Kolenati are kept in the library of the Department of Zoology and Ecology, Faculty of Sience, Masaryk University in Brno. As an appendix to the paper by I. Flasar, J. Gaisler deals with the major work on bats published by Kolenati, his Monograph of European Chiroptera (Monographie der europäischen Chiroptern). Kolenati recognized 234 chiropteran species in the world and 29 in Europe. Some of the taxa described by him are still valid for subgenera of bats and *Hypsugo* Kolenati, 1856 was placed as a generic name for *H. savii* (instead of *Pipistrellus*) of each other by Henri Menu and Ivan Horácek. Although it is difficult to estimate if Kolenati's heritage is more important to the present chiropterology, entomology, arachnology or any of the non-zoological disciplines he was engaged in, he stands as a scientist who outstripped the study of bats by nearly a century.

Dr. Karl Friedrich Koopman

Born: 1 January 1920 - Died: 20 or 22 September 1997

Corbet and Hill (1992): Mammalogist at the Field Museum Chicago 1959-61, then at the American Museum of Natural History, New York, specializing in Chiroptera.
Anderson (1997: 131): 20 June to 25 August 1964 and 27 June to 25 July 1965 with expedition in Beni (Bolivia) (field numbers 461-684 and 773-936).
Klingerer and Griffiths (1991: 5): bibliography
Assistant Curator Academy of Natural Sciences of Philadelphia (1958 - 1959)

Assistant Curator of Mammals Field Museum of Natural History, Chicago (1959 - 1961)
American Museum of Natural History: Assitant Curator (1961 - 1966), Associate Curator (1966 - 1978), Curator (1978 - 1985), Curator Emeritus (1985 - 1997).

Field trips:
Jamaica: 1950
Greater and Lesser Antilles, Bahamas, Virgin Islands, Mexico, Uruguay, Bolivia: 1950 - 1970

F. Kraus

Born: ? - Died: ?

Director Staatliches Museum für Naturkunde: 1862

28/06/2004 - dr. Barbara Herzig - NWM: "according to our informations F. Kraus has only been to the northern Bribir and never reached Bribir W Knin. We also got African material on exchange from F. Kraus, but this was obviously not collected by himself, but in most cases by Heuglin."

Herbert; Chapin, James Paul; American Museum Congo Expedition, The Lang

Born: ? - Died: ?

Itinerary of the Expedition (see Osborn, 1919: xxiv):

8 May 1909: Leave New York
3 June 1909: Leave Antwerp
22 June 1909: Leave Boma
24 - 30 June 1909: Matadi
1 - 12 July 1909: Leopoldville
3 August - 4 September 1909: Stanleyville
12 September 1909: Bafwaboli
24 September 1909: Bafwasende
30 September - 7 December 1909: Avakubi
10 - 26 December 1909: Ngayu
27 December 1909 - 10 January 1910: Bafwabaka
13 January - 15 October 1910: Medje
18 October 1910: Pawa
23 October 1910:Isiro
26 October 1910: Nala
28 October 1910: Rungu
1 November - 20 January 1911: Niangara and vicinty
25 - 30 January 1911: Dungu
6 February 1911 - 19 February 1913: Northeastern Uele - base at Faradje
12 - 18 July 1911: Aba and vicinity (Chapin)
9 - 12 August 1911: Vankerckhovenville (Chapin)
2 - 6 November 1911: Yakuluku (Lang)
10 - 22 December 1911: Aba and vicinity (Lang and Chapin)
10 - 16 March 1912: Garamba (Lang)
7 - 24 April 1912: Vankerckhovenville (Lang and Chapin)
4 May - 24 July 1912: Garamba (Lang and Chapin)
19 February 1913: Faradje (Lang)
2 - 4 March 1913: Yakuluku (Lang)
12 - 24 March 1913: Bafuka (Lang)
14 June 1913: Niangara (Lang)
19 February 1913: Faradje (Chapin)
24 February - 1 March 1913: Dungu (Chapin)
5 March 1913: Niangara (Chapin)
14 - 21 June 1913: Niangara (Lang and Chapin)
24 June - 1 July 1913: Rungu (Lang and Chapin)
1 - 10 July 1913: Nala (Lang)
15 July - 29 August 1913: Poko (Lang)
1 September - 31 October 1913: Akenge (Lang)
2 November 1913 - 20 February 1914: Niapu (Lang)
27 February - 22 July 1914: Medje (Lang)
1 July 1913: Rungu (Chapin)
5 - 15 July 1913: Pawa (Chapin)
25 July 1913: Bafwabaka (Chapin)
27 July 1913: Ngayu (Chapin)
31 July 1913 - 2 January 1914: Avakubi (Chapin)
19 April 1914: Penge (Chapin)
21 April 1914: Epulu River (Chapin)
25 July - 1 August 1914: Babeyru (Lang and Chapin)
3 August 1914: Ngayu (Lang and Chapin)

5 August - 9 September 1914: Avakubi (Lang and Chapin)
10 September 1914: Bomili (Lang and Chapin)
12 September 1914: Panga (Lang and Chapin)
22 - 25 September 1914: Banalia (Lang and Chapin)
28 September 1914: Bengamisa (Lang and Chapin)
30 September 1914: Stanleyville (Lang and Chapin)
10 December 1914: Left Stanleyville (Chapin)
20 December 1914: Kinshasa (Chapin)
24 December 1914: Matadi (Chapin)
29 December 1914: Boma (Chapin)
14 March 1915: Liverpool (Chapin)
31 March 1915: New York (Chapin)
10 May 1915: Left Stanleyville (Lang)
18 - 22 May 1915: Kinshasa (Lang)
22 - 31 May 1915: Leopoldville (Lang)
9 - 16 June 1915: Matadi (Lang)
17 June 1915: Boma (Lang)
17 June - 21 July 1915: Zambi (Lang)
2 - 12 July 1915: Malela (Lang)
19 - 25 July 1915: Banana (Lang)
25 July - 1 August 1915: St. Antonio (Lang)
6 August - 14 September 1915: Banana (Lang)
15 September - 1 October 1915: St. Paul de Loanda (Lang)
10 October - 2 November 1915: Lisbon (Lang)
12 November 1915: New York (Lang)

Esther M. Langan

Born: ? - Died: ?

Esther Langan is a museum specialist at the USNM's Amphibians and Reptiles division.

Prof. Benedetto Giuseppe Antonio Lanza

Born: 24 May 1924: Florence, Italy - Died: 10 March 2016: Florence, Italy

Benetto ("Bettino") Lanza is a medical doctor and profesional naturalist. He became professor of General Biology at the University of Bologna in 1969, and full professor of General Biology in the Faculty of Mathematics, Physics and Natural Sciences at the University of Florence in 1971. He was appointed director of the Zoological Museum *La Specola* of the aforementioned University a year later, until 1992. He retired in 1996, but remained an active zoologist, as well as an honorary member or president of several Italian and European scientific societies.

See Angelli and Riccucci (2011). A summary of Lanza's research on mammals. *Hystrix, It. J. Mamm.* (n.s.) 22 (1): 4 - 13. Hanák *et al.* (2016).

Edgar Leopold Layard

Born: 23 July 1824: Florence, Italy - Died: 1 January 1900: Budleigh Salterton, Devon, England

1844: entered civil service of Ceylon
1855: posted to civil service at Cape Town where he founded the South African Museum

See: Corbet and Hill (1992)
http://zoonomen.net/bio/biol.html

Jean Lebrun

Born: 1906 - Died: 1985

Jean Lebrun obtained his MS in agricultural sciences in 1928 and his PhD in botany in 1937 at the university of Louvain. He was secretary general of the Institut national pour l'étude agronomique au Congo Belge (INEAC) (1948 -1962), secretary general of the Institut belge pour l'encouragement à la recherche scientifique d'outre-mer (IBERSOM) (1962 - 1963), lector and subsequently professor in ecology (agricultural institute of the university of Louvain) (1947 - 1976), member of the Académie royale des sciences d'outre-mer (ARSOM) and president of the Société royale de botanique de Belgique. He studied the boundaries of the equatorial forest for the agricultural service of the ministery of Colonies (1929 - 1933), agronomist (1933), then became scientific secretary of the Institut National pour l'étude agronomique au Congo Belge (INEAC) (1937), and undertook a botanical prospection of the Albert and Kagera National Parks (1937 - 1947). He was also charged with various scientific inspection missions in the INEAC stations (1946 - 1960).

See: Van Schuylenbergh (1997: 55).

Antonius Josephus Martinus ("Toon") Leeuwenberg

Born: 11 August 1930: Amsterdam, The Netherlands - Died: 2010

A.J.M. Leeuwenberg was a Dutch botanist and taxonomist.

See: https://en.wikipedia.org/wiki/Anthonius_Josephus_Maria_Leeuwenberg

dr. Narcisse Leleup

Born: 1912 - Died: 2001

Dr. Narcisse Leleup was a Belgian entomologist, who collected in the former Belgian Congo in the 1940s and 1950s.

See: Beolens, B., Watkins, M. and Grayson, M. (2013). The Eponym Dictionary of Amphibians.

Charles Lemaire

Born: 1863: Cuesmes, Hainaut, Belgium - Died: 1926: Brussels, Belgium

Charles Lemaire attended the military school between 1881 and 1886. He was appointed second lieutenant with the second artillery regiment. He was secretary general of the Exposition in Tervueren (1897) and creator of the colonial Villa in Waetermael. He was also director of the colonial university in Antwerp (1920) and professor at the colonial school in Brussels. He was assistant district commissioner (Cataracts and later in Equateur - 1889 - 1893). Together with A. Thys, he was a member of the commission sent by the Belgian government to examine the conditions and the state of the works for the Congolese railroads (1895). He was in charge of a scientific mission to Katanga, which covered 3000 km and 195 geodesic stations (1898 - 1900). Furthermore, he was in charge of a mission to Bahr-el-Ghazal, organising the territories leased (?) from England by Leopold II (Dungu, Lado enclave, Rohl basin, Yei station) (1902 - 1905).

First trip: 13/11/1889 - 28/05/1893: Equateur
Second trip: 9/07/1895 - 21/11/1895: railroad inspection
Third trip: 11/05/1898 - 24/09/1900: from Zanzibar to Katanga
Fourth trip: 31/17/1902 - 27/08/1903: Yei and Rafai stations; Strauch and Lambermont rapids; a journey to the source of the Yei river; a journey from Itimbiri to the station at Yakululu.

See: Van Schuylenbergh (1997: 58)

Charles Letourneau

Born: 1831 - Died: 21 February 1902

French anthropologist.

see: http://fr.wikipedia.org/wiki/Charles_Letourneau

José L.P. Lobao Tello

Born: ? - Died: ?

Anderson (1997: 136): European naturalist; in 1985 and 1986 collected in Pando, Beni, and Santa Cruz (Bolivia); specimens were the initial nucleus for the new collection at MNK (field numbers 1-285).

John Alden Loring

Born: 1871 or 1872 - Died: 1947

John Alden Loring was a field naturalist and taxidermist for the 1909 African expedition for the Smithsonian Institution, led by Theodore Roosevelt. During this expedition he was in charge of collecting small mammals.

See: http://indianajones.wikia.com/wiki/John_Alden_Loring, http://www.mnh.si.edu/onehundredyears/expeditions/SI-Roosevelt_Expedition.html

William S. MacGillivray

Born: 1796 - Died: 1852

Scotch naturalist; author of a "History of British Birds" and coadjuctor of John James Audubon in the preparation of his well-known and valuable treatise on American birds (see Jaeger, 1972: 317).

the Machris-Knudsen Expedition

Born: ? - Died: ?

Named after Maurice A. and Paquita Machris
and Mrs. Valley Knudsen.

Father Vedast (Gaston Alfons) Maes

Born: 10 May 1906 - Died: 14 February 1994

Father Gaston Vedast Maes lived over 40 years amongst the Ngbaka (since 1933) and thanks to him we know the major part of the history of the migrations of the Ngbaka.

From 1933 to 1978, Father Vedast Maes lived in the DRC, more specifically in the Ubangi region (Vicariat Apostolique de l'Ubangi, currently Diocèse de Molegbe).

See: http://jambo.africa.kyoto-u.ac.jp/kiroku/asm_normal/abstracts/pdf/30-4/30-4-1Bunza.pdf,
http://www.aequatoria.be/04frans/032biobiblio/0321MAES.htm

Dr. Charles Immanuel Forsyth Major

Born: 15 August 1843: Glasgow, Scotland, U.K. - Died: 1923

Charles Immanuel Forsyth Major attended the Basle and Zürich Universities, in Switzerland, and the Göttingen University in Germany. In 1868, he graduated in Medicine at the university of Basle, and started his professional carreer in Firenze, Italy. In 1877, he collected fossile vertebrated in Calabria, Corsica, Sardinia, and Sicily at the request of the Italian government. His growing interest in vertebrates made him give up his medical carreer in 1886. He then began a study on the recent and fossil fauna and flora of Greece (mainland and islands), and sent large amounts of these to the Collège Galliard in Lausanne and at the BMNH.

Between 1894 and 1896, dr. Major undertook an expedition to the east-central part of Madagascar. Jenkins and Carleton (2005: 1785) reconstructed this voyage:

15 June 1894: Embarkation
September 1894: Fianarantsoa
October to December 1894: Ivohimanitra
November 1894 to 28 January 1895: Ambohimitombo
???: Ambohimanga
21 - 29 November 1894: Itsimatahodalana
30 November to 6 December 1894: Ambositra
2-15 February 1895: Ambositra (2nd visit)
8 April 1896: Ambositra (4th visit)
December 1894: Loharindra Cavern
9 March to 31 May 1895: Antsirabe
September 1895 to January 1896: Antsirabe (2nd visit)
18 March to 10 April 1895: Fasina
18 March to 15 May 1895: Andranobe
4 - 19 April 1895: Andraikiba Lake
24 February 1896: Andraikiba Lake (2nd visit)
18 April 1895: Betafo
27 April, 7 June 1895: Tritriva
24 May 1895: Ivohitra
23 June to 11 August 1895: Ampitambe
6 - 28 March 1896: Ampitambe (2nd visit)
3, 4 July 1895: Masindrary
18, 31 March 1896: Masindrary (2nd visit)
24 March 1896: Fandriana
10 - 21 January 1896: Ankeramadinika
11, 12 January 1896: Angavo
12 January 1896: Ambataroa
23 April 1896: Ambohimandroso
12 May to 6 June 1896: Vinanitelo
24 May 1896: Amboanara
23 - 30 May 1896: Ambohimanana
4, 6 June 1896: Amboasary
4, 6 June 1896: Itaombelo
30 August 1896: Return

Dr. William M. Mann

Born: 1886 - Died: ?

Anderson (1997: 132): zookeeper and entomologist from Washington, D.C.; collected in 1921 and 1922 with Mulford Expedition (Bolivia).

Hannes Marais

Born: ? - Died: ?

Alfred A. Marche

Born: 1844 - Died: 1898

Corbet and Hill (1992): French anthropologist and zoologist, in Philippines 1879-85.

Undertook between 1871 and 1878 three voyages to west Africa: Senegal - Gambia, Casamance - Gabon - Ogooué.

see: http://gallica.bnf.fr/ark:/12148/bpt6k49798f

Prof. Dr. Cornelis Johannes Marinkelle

Born: 1 July 1925;Vienna, Austria - Died: 18 January 2012;Bogotá, Colombia

Cornelis Johannes Marinkelle was a Dutch MD and biologist. He obtained his PhD from the University of Brussels in 1960. He served as medical personnel in the Peace Corps for the Government of the Netherlands, with humanitarian and research missions at Universidad del Salvador, El Salvador in 1962. In 1963 he was appointed as professor at the Universidad de los Andes, where het taught parasitology, protozoology, entomology and zoonoses in the Department of Biological Sciences until 2011.

See: https://en.wikipedia.org/wiki/Cornelis_Johannes_Marinkelle

Thomas Paul Maslin

Born: 1909: Hankow, China - Died: 1984

Beltz (2004: http://ebeltz.net/herps/biogappx.html):
son of missionary parents.
1909-1927 Schooled in Hankow until the family fled to the Philippines for six months.
1927-1928 Attended Howard Military School in Los Angeles (high school). His parents returned to China.
1928-1933 Attended U CA, Berkeley, BA in 1933, acquired his life-long interest in herpetology.
1934-1936 Taught at Boone Middle School in Wuchang, married Mary Hamilton Watts, researched herpetofauna.
1936 He and his wife returned to the US, began graduate study at U CA, Berkeley.
1937-1940 Curatorial assistant in herpetology and mammalogy at MVZ, and in ornithology at the CA Academy of Sciences, 1939. Until 1940, was a WPA supervisor at the Academy.
1940-1941 Taught at Armstrong Junior College.
1941 MA, U CA, Berkeley, CA.
1941-1945 Transferred to Stanford, worked under George Myers. Teaching assistant for 2 years, then curator at the Natural History Museum. Worked as a Port Supervisor, Officer of Fishery Co-ordination at San Francisco.
1945 PhD, Zoology Stanford U.
1945-1947 Asst. Professor, Zoology, CO Agricultural and Mechanics College. (CO State University)
1947-1974 Asst. Professor to Professor, Biology, U CO, Boulder, CO.
1966-1973 Curator of Zoology, U CO, Boulder, CO.
1974-1978 Partially retired from U CO until 1978.
1966 Curator of University Museum, U CO, Boulder, CO.
1975+ Professor Emeritus, U CO, Boulder, CO.
1981 Re-visited China.
Member of the American Society of Ichthyologists and Herpetologists, The Herpetologists League and Society for the Study of Amphibians and Reptiles. Researched parthenogenesis of lizards.
His zoological photographs are on file at the U CO Museum, as well as his pre-retirement field notes. He published about 56 works on herpetology, but this number does not reflect the importance of his contributions, including pioneer work on parthenogenetic Cnemidophorus. He collected over 60,000 specimens housed at the U CO.

Dr. Edgar Alexander Mearns

Born: 11 September 1856: Highland Falls, Orange Co., NY - Died: 1 November 1916: Walter Reed hospital, USA

dr. Edward Alexander Mearns: Long-time army surgeon; enthusiastic, active and efficient student of natural history. Especially was he interested in birds and mammals but neither botany nor ethnology was neglected on his travels in southwestern United States, in the Philippines and East Africa. One of his great contributions was his report on the "Mammals of the Mexican Boundary of the U.S." (1907).

Beltz (2004: http://ebeltz.net/herps/biogappx.html):
1856: Born in Highland Falls, Orange County, NY, September 11.
1881: Graduated College Physicians and Surgeons, NY.
1883 (3 December): Commissioned 1st Lt. and Assistant Surgeon, US Army.
1883 -1887: Served at Fort Verde, Arizona. Collected 3,500 bird skins, 1000 bird eggs and 600 mammals which were donated to the American Museum of Natural History.
1887 -1890: Served at Fort Snelling, Minnesota.
1891: Captain, US/Mexican Boundary Commission, Fort Meyers, Virginia
1892 - 1894: Lt. Colonel, US Medical Corps, Mexican Boundary Commission (exploring the boundary line from El Paso, Texas, to San Clemente Island).
1894: Explored entire boundary. Collected 30,000 animal and plant specimens.
1894: Collected holotype of *Sceloporus graciosus vandenburgianus* ìon the summit of the coast range, San Diego County, CA.
1895 - 1903: Collected in Catskills, Rhode Island, Florida and Yellowstone.
1897 - 1900: Fort Clark, Texas
1898: Comm. brigade surgeon (later chief surgeon) Volunteers Spanish-American War; Major
1899 (22 March): Honorable discharge
1899 - 1900: Fort Adams, Rhode Island
1900: Nervous breakdown (? Complicated by malaria ?), 3 months leave
1901 (February): Appointed Major, Army Surgeons.
1902: Fort Yellowstone
1903 - 1907: Served two tours in Phillipines, Collected plants, birds and animals.
1904: San Francisco to recover from "parasitic disorders"
1905: visited Guam
1907: Fort Totten, New York
1909 (1 January): Retired Army as Lt. Colonel.
1909 - 1910: Served as naturalist, Smithsonian African Expedition with Theodore Roosevelt, exploring parts of British East Africa from Mount Kenya to the White Nile.
1911 - 1912: Field naturalist of the Childs-Frick African Expedition to Abyssinia (Ethiopia).

By his death, he had collected 7,000 mammals, 20,000 birds, 5,000 reptiles and 5,000 fish.
A founder of the Am. Ornithologists' Union, and a member of many other scientific societies.

See: Jaeger (1972: 317), Corbet and Hill (1992)
http://zoonomen.net/bio/biom.html
Leopold, R.S. (1994). A guide to early African collections in the Smithsonian Institution (http://anthropology.si.edu/leopold/pubs/early_african_collections.pdf)

Dr. Jurgens Anthonie Janse [=Waldo] Meester

Born: 20 May 1931; - Died: 7 October 1994;

Walde Meester was a South African mammalogist, who obtained his MS in 1953 at the University of Pretoria (RSA). In that year, he also became curator of mammals at the Transvaal Museum. In 1961, he obtained his PhD. In 1963, he was appointed director of the Kaffrarian Museum in King William's Town. In 1966, he founded the mammal research institute at the University of Pretoria, which he led until 1971. In 1972, he was appointed as head of the zoology department of the University of Natal at Pietermaritzburg, and in 1980 head of the biology department of the University of Durban-Westville.

See: https://de.wikipedia.org/wiki/Jurgens_A._J._Meester

Florian Meier

Born: ? - Died: ?

Worked as freelancer for various medical offices (WHO, OMS, …).

James Ian Menzies

Born: ? - Died: ?

English-born Australian zoologist.

See: https://species.wikimedia.org/wiki/James_I._Menzies

Dr. Robert Mertens

Born: 1894: St. Petersburg, Russia - Died: 23 August 1975

Corbet and Hill (1992): Zoologist at Senckenberg Museum, Frankfurt, Germany.

Beltz (2004: http://ebeltz.net/herps/biogappx.html):
1912: Entered Leipzig University, thesis on geographical variation in Lacerta. PhD, U Leipzig, Germany.
1919- 1 925: Asst., Senckenberg Museum, Frankfort, Germany.
1925 -:1946: Curator, Senckenberg Museum, Frankfort, Germany.
1932: Obtained title of Privatdozent.
1932 - 1939: Instructor, U Frankfort, Germany.
1939+: Professor, U Frankfort, Germany.
1946 - 1960: Director, Senckenberg Museum, Frankfort, Germany.
1960+: Emeritus Director, Senckenberg Museum, Frankfort, Germany.
1975: Died from a bite from his pet *Thelotornis kirtlandi*

Published close to 800 items. He had an encyclopedic knowledge ìof reptiles and enjoyed being able to identify, by sight, obscure ìanimals in zoos and collections. Described 100's of new reptiles ìand amphibians - often without first formally revising the group. ÌWrote a popular book about his voyage around the US.

Giacomo Bartolomeo Messedaglia, Bey

Born: 1846: Italy, Venice - Died: 1893 or 1896: Italy, Pisa

Giacomo Bartholomeo Messadaglia attended elementary school in Legnago. At 13, he joined the army and after his discharge in 1869, he moved to the East to seek his fortune. He worked as an assistant in Syria and in Lebanon, working on the construction of roads and bridges. In 1876, he moved to Egypt where he was hired as the official surveyor, with a mandate to carry out exploration, reconnaissance and excavations, but above all to make a large map of the country. Thanks to his contacts with Charles George Gordon, the British governor of the Sudan known as Gordon Pasha, Messedaglia won in 1879 the prestigious post of governor (Bey) of Darfur, where he led a difficult campaign against the local bandits and slave traders and tried to rearrange the administration. His tenure did not last long because of the political turmoil that involved Egypt in those years, but his exploits had a certain resonance even at home. In the latter part of his life he continued to play minor roles while in the Egyptian army, until his retirement in 1889. Due to his poor health, he decided to return to Italy and retired to Pisa, where he lived until his death.

See: http://www.worldstatesmen.org/Sudan_Egyptian_provinces.html, http://www.fondazione-fioroni.it/index.php/2013-02-14-08-12-35/giacomo-bartolomeo-messedaglia-bey.html

Dr. Jacques Millot

Born: 9 July 1897 - Died: 23 January 1980

Dr. Millot was the Director of Madagascar's Institute of Scientific Research and associated with the Paris Museum of Natural History.

See: http://fr.wikipedia.org/wiki/Jacques_Millot

La Mission Scientifique Suisse à Angola

Born: ? - Died: ?

The Second Swiss Scientific Mission to Angola took place between 1932 and 1933 and lasted 18 months.

Participants at this mission were Albert Monard (1886-1952), Théodore Delachaux (1879-1949) and Charles Emile Thiébaud (1910-1995).

Mr. J.J. Monteiro, Esq

Born: ? - Died: ?

Prescott; Bipoo, Moïse; Andabhati, Charle; Kirongozi, Benjamin; Karupao, Kambale Musaba Akawa,

Born: ? - Died: ?

Prescott; Kosele, Jonathan Musaba Akawa,

Born: ? - Died: ?

Prescott; Malekani, André Musaba Akawa,

Born: ? - Died: ?

Prescott; Tembele,; Boketshu, Marc Musaba Akawa,

Born: ? - Died: ?

Prof. Festo Abby Mutere

Born: 1929: Musanda, Kakamega district, Kenya - Died: ?

F.A. Mutere obtained his B.Sc at the University of Durham, G.B. in 1962, and his PhD at the Makerere University College, Uganda in 1964. Until 1969, he remained as a lecturer at the latter university. That same year, he transferred to the university of Nairobi, Kenya.

See: http://www.knascience.org/index.php/fellows/82-knas/124-prof-festo-abby-mutere-deceased

John Golding Myers

Born: 22 October 1897: near Rugby, Warwickshire, U.K. - Died: 1942

British entomologist who was employed by the New Zealand Department of Agriculture (1919 - 1924), later returning to England to the Imperial Institute of Entomology (1926). He travelled to the West Indies and South America after joining the Imperial College of Tropical Agriculture in Trinidad (1934) and to Africa as Economic botanist to the Government of Anglo-Egyptian Sudan (1937-). Collected: (1936-1940) in Tropical Africa: Sudan; Tropical South America: Guyana, Suriname.

See: nature 149, 406-406 (11 April 1942).

Colonel C.J.M. Nagtglas

Born: ? - Died: ?

Dutch colonial official and governor.

S.A. Neave

Born: ? - Died: ?

Osborn (1919: xvi) places S.A. Neave in Congo in 1904 - 1908.

Dr. Kimberlyn (Kim) Nelson

Born: ? - Died: ?

Kim Nelson got her B.S in Biology from the Baylor University, Waco, TX in 1982. From 1982 to 1984, she attended the Texas Tech University, Lubbock, TX, where she obtained her M.S. in Zoologyy. In 1988, she received het Ph.D. at the Harvard University, Cambridge, MA. During this time, she also made a six week small mammal collecting trip in Kenya for the Carnegie Museum, Pittsburgh, PA.

From 1999 onwards, she is working as a Forensic Examiner for Mitotyping Technologies, LLC.

See: http://www.mitotyping.net/kim.htm

Dr. William D. Newmark

Born: ? - Died: ?

Bill Newmark is research associate with the Vertebrate Zoology department of the Natural History Museum of Utah.

Michael John Nicoll

Born: 1880 - Died: 1925

Michael Nicoll accompanied the Earl of Crawford on three voyages around the world with the earls yacht "Valhalla".

First voyage:

Cowes, 19th November 1902
Lisbon, 24th to 26th November, 1902
Madeira, 29th to 30th November
Las Palmas, 1st to 3rd December
St. Vincent, Cape Verde Islands, 10th to 12th December
St. Paul's Rocks, Mid-Atlantic, 17th to 18th December
Fernando de Noronha, 20th to 22nd December
Bahia, Brazil, 26th December to 5th January 1903
Montevideo, 14th January to 20th January
Straits of Magellan, 28th January to 5th February
Smythe's Channel, 5th to 10th February
Valparaiso, 14th to 24th February
Easter Island, 10th to 13th March
Pitcairn Island, 22nd to 23rd March
Tahiti, Society Islands, 31st March to 17th April
Tutuila Island, Samoan Group, 22nd to 24th April
Apia, Upolu Island, Samoa, 25th to 29th April
Suva, Fiji Islands, 3rd to 6th May
Thursday Island, Torres Straits, 18th to 23rd May
Singapore, 3rd to 9th June
Colombo, 17th to 20th June
Aden, 2nd to 3rd July
Suez, 10th July
Port Said, 11th to 13th July
Gibraltar, 22nd to 26th July
Cowes, 1st August 1903

Second voyage:

Cowes, 18th December 1903
Madeira, 24th to 27th December, 1903
Teneriffe, Canary Islands, 28th December to 1st January, 1904
Barbadoes, West Indies, 15th to 21st January
St. Lucia, 22nd to 25th January
St. Vincent, 25th to 27th January
Cariacou, 27th to 28th January
Grenada, 28th January to 1st February
St. Lucia (second visit), 2nd to 5th February
Martinique, 5th to 7th February
Dominica, 7th to 10th February
Montserrat, 10th to 12th February
St. Kitts, 12th to 15th February
Antigua, 15th to 17th February
St. Kitts (second visit), 17th to 18th February
St. Croix, 19th to 21st February
St. Thomas, 21st to 24th February
Porto Rico, 24th to 26th February
Jamaica, 29th February to 8th March
Grand Cayman, 9th to 13th March
Little Cayman, 13th to 14th March
Havana, Cuba, 17th to 21st March
Punta Gorda,Florida,22nd March to 4th April
Key West, Florida, 5th to 8th April
Bermuda, 13th to 20th April
St. Michael's, Azores, 29th April to 2nd May
Cowes, 8th May 1904

Third voyage:

Cowes, 8th November 1905

Las Palmas, 13th to 16th November, 1905
Put back to Las Palmas owing to illness of one of the crew 17th November
St. Paul's Rocks, 2nd December
Bahia, 10th to 30th December
South Trinidad, 3rd to 5th January, 1906
Martin Vas, 5th January
Tristan da Cunha, 17th to 20th January
Cape Town, 28th January to 8th February
Durban, 14th to 15th February
Mayotte, Comoro Islands, 23rd February to 3rd March
Diego Suarez, Madagascar, 4th to 9th March
Glorioso Island, 10th to 11th March
Assumption Island, 12th to 13th March
Aldabra, 13th to 16th March
Aground on Assumption, 16th to 17th March
Mahe, Seychelles Islands, 22nd March to 2nd April
Praslin and Felicite Islands, Seychelles, 2nd to 5th April
Mahe (second visit), 5th to 8th April
Aden, 14th to 17th April
Suez, 23rd April
Port Said, 24th to 27th April
Gibraltar, 5th to 8th May
Cowes, 13th May, 1906

After the third voyage, Michael Nicoll was appointed by the Egyptian Government to the post of second in charge of the Zoological Gardens at Giza, near Cairo.

See: Nicoll (1908).

Gerhard Nikolaus

Born: ? - Died: ?

German zoologist

Dr. Carrie J. O'Brien

Born: ? - Died: ?

Carrie O'Brien obtained her PhD. at the University of Utah in 2009.

Philip W. Ogilvie

Born: ? - Died: ?

Director of the Oklahoma City Zoo

Dale James Osborn

Born: 10 May 1922: Hemet, California, U.S.A. - Died: 20 August 2004: Praha, Czech Republic

After three years of service in the Navy, Dale Osborn started his university studies at the Colorado State College at Fort Collins, where he obtained his B.S. in 1948. He continued his study at the University of Wyoming, Laramie (M.S., 1949). He worked as an Instructor in Zoology at the University of Wyoming, and in Biology at the Boston University. He then became a Demonstrator in Zoology at McGill University in Montreal, where he completed his PhD. in 1957.

Dale gained very important teaching experience during his first assignment abroad, as an Assistant Professor and the Head of Natural Science Department at Robert College, Istanbul,
Turkey (1957 - 1960). His following position was Assistant Professor in Zoology at Texas Technological College, Lubbock (1960 - 1961), followed by several years as a Teacher of Zoology at the Anatolia College, an American agriculture school in Thessaloniki, Greece (1961 - 1964). His work was always connected to various research grants: 1951 Arctic Institute of North America grant-in-aid for research in zoology in the Quebec-Labrador Peninsula; 1952 Carnegie Corporation Arctic Fellowship and funds for research in zoology in the Quebec-Labrador Peninsula; 1958 - 1961 National Science Foundation grant-in-aid for the study of the taxonomy and distribution of the mammals of Turkey. During these years, Dale became well acquainted with the Mediterranean,its natural history (namely fauna), contributing significantly to the understanding of small mammal distribution there.

From 1964 to 1970, he was a Field Associate of the Field Museum of Natural History, Chicago, and he worked as a mammalogist in the Department of Medical Zoology, US Naval Medical
Research Unit No. 3 at Cairo. He organized numerous short field trips and longer desert expeditions traping animals and collecting plants.

In 1980 (together with I. Helmy), he produced a comprehensive compendium on the recent land mammals of Egypt, including Sinai. He became professionally interested in animals of ancient Egypt, both wild and domesticated. The greater goal in his zoo-archeological studies became close collaboration with top egyptological institutions in Chicago, London, and the Czech Institute of Egyptology of Charles University with its rich library in Prague. This work resulted in his last publication in 1998, The Mammals of Ancient Egypt.

Between his Egyptian and Prague years, he served as a Curator at Large, Curator of Public Relations, and Curator of Special Projects in Chicago Zoological Park, Brookfield.

See: Hanák, V. & M. Kosina (2005). In memoriam Dale James Osborn - Lynx (Praha), n.s. 36: 149 - 152.

Dr. Wilfred Hudson Osgood

Born: 1875 - Died: 1947

Corbet and Hill (1992): Field Museum, Chicago 1909-41.
Anderson (1997: 133): mammalogist at the FMNH Chicago, after whom *Felis osgoodi, Phyllotis osgoodi*, and *Monodelphis osgoodi* were named.

C.R. Owen

Born: ? - Died: ?

W. Paling van Veen

Born: ? - Died: ?

Paul Pallary

Born: 1869 - Died: 1942

Paul Pallary was prolific writer on the land-snails of NW Africa and contributed many papers on the faunas of NW. Africa, especially those of Morocco, Eygpt and Syria. He was a schoolteacher at Oran (1891-1896), who periodically made collecting excursions. He was also a shell dealer, and issued regular lists of marine and land-shells available for purchase. The majority of the material sold came from Morocco (Rif mountains, 1904), NW. Algeria, Tunisia, Eygpt and Syria.

In 1912 to 1913, Pallary was one of a team of Zoologists attached to the Mission of Scientific exploration organised by the Geographical Society. He started collecting in the Haut Atlas region, but on the further outbreaks of war in 1914 the expeditions were suspended until RICARD restarted them in 1921. At this time his contacts with military personel provided him with further material.

See: http://www.museumwales.ac.uk/en/2767/

Daniel Arthur Parelius

Born: 1949 - Died: ?

Between 1964 and 1969, Daniel Parelius made a collection of birds in Côte d'Ivoire, where his parents were missionaries.

See: Engel, J.I., Parelius, D. and Bates, J.M. (2014). The Parelius bird collection from Ivory Coast at the Field Museum of Natural History, and the first country record of Rufous Cisticola *Cisticola rufus*. - Malimbus, 36: 119 - 122.
Beolens, B., Watkins, M., and Grayson, M. (xxxx). The eponym dictionary of birds. - Bloomsbury.

Dr. Emin Pasha

Born: ? - Died: ?

See also "Emin, Pascha"

Marquis Saverio Patrizi Montoro

Born: 11 January 1902: Sasso Furbara, Rome, Italy - Died: 21 February 1957

Italian naturalist, explorer, gatherer, who collected important materials in East Africa, Congo, Cufra and in caves of Central Italy and Sardinia. Wrote 35 publications, some of which regard insects.

See: http://gap.entclub.org/taxonomists/Patrizi/index.html

Dr. James L. Patton

Born: 21 June 1941: St. Louis, Missouri, USA - Died: ?

James Patton obtained his B.A. (1963), his M.S. (1965), and his Ph.D. (1969) at the University of Arizona, and is currently acting director at the Museum of Vertebrate Zoology, University of California, Berkeley.

See: http://ib.berkeley.edu/labs/patton/jim/jlp-cv.html

Dennis R. Paulson

Born: ? - Died: ?

American Zoologist, who focused on biodiversity and biology of dragonflies and birds. He was director of the Slater Museum of Natural History 1990-2004 (presently Director Emeritus).

See: http://species.wikimedia.org/wiki/Dennis_R._Paulson

Frank Elmer Peabody

Born: 28 August 1914 - Died: 27 June 1958

Frank Elmer Peabody was an American palaeontologist noted for his research on fossil trackways and reptile and amphibian skeletal structure.

He received him MA in 1940 at the University of California. During World War II Peabody worked at the Lawrence Berkeley National Laboratory and Oak Ridge National Laboratory, and finished his doctorate at the University of California in 1946. He accompanied the University of California South African Expedition in 1947-1948 as Senior Paleontologist. He and Charles Camp excavated at Gladysvale Cave and nearby Bolt's Farm. Subsequently they visited the Northern Transvaal and Mozambique in their search for specimens. The expedition also visited Wonderwerk Cave in Northern Cape Province.

Peabody later became Instructor in Zoology at the University of Kansas at Lawrence

See: http://en.wikipedia.org/wiki/Frank_Peabody

Guilio Pestalozzi

Born: ? Beirut - Died: 1930: Rome, Italy

Italian consul in Damascus, Zanzibar, Tripoli, Governor of Assab (1882 - 1885).

see: http://www.angelfire.com/hi/eritreans/rullers, http://digilander.libero.it/fiammecremisi/eritrea.htm, http://www.pestalozzi.net/history/familienbuch/index402.html

Prof. Wilhelm Carl Hartwig Peters

Born: 1815 - Died: 1884

Corbet and Hill (1992): Professor of Zoology and associate of the Berlin Museum.

Dr. George A. Petrides

Born: 1 August 1916 - Died: 9 November 2011

Dr. Petrides studied zoology and botany at George Washington University, earning a B.S. in 1938. He went on to earn an M.S. in wildlife biology and ornithology at Cornell in 1940 and a Ph.D. in wildlife biology and botany from Ohio State University in 1948. After two years as an associate professor of wildlife management at Texas A & M, he joined the MSU faculty in 1950 with a joint appointment in zoology and the fledgling fisheries and wildlife department.

He received a Fulbright award to study big game populations in Kenya in 1953-54 and a second Fulbright in 1957-58 for similar population studies in Uganda.

See: https://www.legacy.com/obituaries/lsj/obituary.aspx?n=george-a-petrides&pid=154577679

Nicolas Pike

Born: 26 January 1818: Newburyport, Mass., USA - Died: 1905

As early as 1849 Nicolas Pike was a diligent student of marine algae and in that year he was made president of the Brooklyn Natural History Society. In 1852, he was appointed consul to Oporto, Portugal, where he remained until 1861. At the beginning of the war, he was commissioned lieutenant-colonel and was active in recruiting troops and training volunteers. In 1865, he resumed his studies in natural history.

On 12 January 1867, he arrived on Mauritius, where he was appointed U.S. consul, where he stayed in function until 1874.

see: Gudger, E.W. (1929). Nicolas Pike and his unpublished paintings of the fishes of Mauritius, Western Indian Ocean, with an index to the fishes. - Bull. Amer. Mus. Nat. Hist., 58: 489 - 530.

André Pilette

Born: ? - Died: ?

Around 1921, André Pilette was put in charge of a mission by the Belgian minister of Colonies.

The RMCA has a number of maps: Rhodesia, Katanga (east and west), Dar es Salam, Zanzibar, Karangwe and Lindi (German East Africa), Abyssinia, Marsabit and Mombasa-Nairobi (British East Africa) (1908 - 1921); and a track of his journey between Aba - Faradje (Haut-Uele) - Gombari (Watsa) - Nduye - Equateur (19/04/1921).

See: Van Schuylenbergh (1997: 75)

R.H. Pine

Born: ? - Died: ?

Captain Charles Robert Senhouse Pitman, DSI, MC

Born: 19 March 1890; Bombay, India - Died: 18 September 1975

Charles Pitman was a British herpetologist and conservationist.

He attended the Royal Naval School, Eltham, at Blundell's School in Tiverton, and at Royal Military Academy Sandhurst, which he left in 1909 having obtained a commission in the Indian Army. After his army retirement in 1921, he took up farming in Kenya. In 1924, he became Game Warden of the Uganda Protectorate, a post which he kept until 1951, interrupted only by three years (1931-1933) spent in Northern Rhodesia as Acting Game Warden and undertaking a faunal survey, and by five years (1941-1946) during which he was Director, Security Intelligence (Uganda).

See: https://en.wikipedia.org/wiki/Charles_Pitman_(game_warden)

Charles-Henri Pobéguin

Born: 25 February 1856: Valence, Drôme, France - Died: 25 June 1951: La-Varenne-Saint-Hilaire, Val-de-Mar

Charles-Henri Pobéguin enlisted in the army at the age of 18, when he joined the 53th infantry regiment in Pau. He was sent to Algeria, where he passed a number of months in Tlemcen. After his military service he moved to Paris, where he studied topography.

In 1886, he met with Brazza, and was hired as "auxiliary agent with special duties" and was second in command on the mission to perform the first study to construct a railroad line between Loango and Brazzaville (a project which was only finished in 1934). He continued his mission until 1887, during which he leveled the Kouilou and finished a study on the construction of a dam to suppress the rapids. Following this, he was commissioned to study the construction of a commercial route between the Passa and the Alima.

On 1 November 1888, he was appointed "Chef de Station de 2ème class" in French Congo, and put in charge of the administration of the Batah region. He continued his explorations and his activities as cartograph and natural scientist along the banks of the Congo de Massabé and the Campo rivers until 1890. He then returned to France for two years. In January 1892,

he was appointed administrator at Grand Lahou en subsequently at Tiassalé in Côte d'Ivoire, where he drew the map of the Grand Lahou lagoon and the Bandam river up to Tiassalé, as well as an atlas of the coast of Côte d'Ivoire.

In 1897, Henri Pobéguin was put in charge of the administration of the Protectorate at Grand Comore, where he also studied the fauna and flora. He left Grand Comore in 1898, when he was appointed admininstrator of the "Cercle de Timbo" in French Guinea (October 1899).

In 1911, he was retired, but he still continued his work in Africa for another 15 years, working for private companies.

In 1951, he was made "Commandeur de la Légion d'Honneur".

see: http://fr.wikipedia.org/wiki/Charles-Henri_Pob%C3%A9guin

Tamas Pócs

Born: ? - Died: ?

curator of Hepatics, Eszterházy Károly College Herbarium, Hungary

A.W.J. Pomeroy

Born: ? - Died: ?

Government entomologist, active in Africa (Nigeria, Cameroon, Kenya, Tanzania) around the 1920s.

Léon Poutrin

Born: 1880 - Died: 11 November 1918

French military doctor, who took part on an anthropological expedition to the Kanem-Chari-Logone region between the end of 1907 and august 1909. The expedition crossed French Congo, a small part of the Belgian Congo, the Lobaye,Oubangi, Gribingui, Chari, and Chad rivers basins and reached the Kanem.

see: http://www.persee.fr/web/revues/home/prescript/article/jsa_0037-9174_1919_num_11_1_3878

Major Percy Horace Gordon Powell-Cotton

Born: 20 September 1866: Garlinge, Margate, U.K. - Died: 24 June 1940

Powell-Cotton embarked on over 28 expeditions between 1887 and 1939, across Africa and Asia.

In 1900, he met with Emperor Menelik II of Ethiopia.

In November 1905, he was on an expedition in Kenya, where he maried and the couple went on a honeymoon, which lasted two years.

Powell-Cotton’s expeditions directly led into the creation of the Powell-Cotton Museum in the grounds of Quex House.

Osborn (1919: xvi) places Powell-Cotton in Congo in 1905 - 1906.

see: http://en.wikipedia.org/wiki/Percy_Powell-Cotton

Project Beatra

Born: ? - Died: ?

see: http://archive.fieldmuseum.org/congo/pdf/BEATRA_Initiative_model.pdf

Raymond Pujol

Born: ? - Died: ?

Anderson (1997: 134): from Laboratoire d'Ethnozoologie, Paris; in 1969 with UNESCO misison to Mount Sajama (Bolivia).

Dr. Vincenzo Ragazzi

Born: 1856 - Died: ?

Dr. Ragazzi was for several years director of the Italian station at Let Marefia, Shoa.

Collected plants between 1884 and 1892.

see: http://plants.jstor.org/person/bm000040531

Austin Loomer Rand

Born: 16 December 1905: Kentville, Nova Scotia, Canada - Died: 6 November 1982

Austin Loomer Rand received a Bachelor of Science from Acadia University, an institution which also awarded him an honorary DSc degree in 1961.

In 1929, while still a graduate student at Cornell University, he travelled on an expedition to Madagascar as collector of birds. Rand published the results as his thesis for his Ph.D.. It was on this expedition that he met Richard Archbold, zoologist and philanthropist, with whom he became a lifelong friend. Archbold subsequently financed and led a series of biological expeditions to New Guinea in the 1930s in which Rand participated and co-led. In 1941 he assisted Archbold in the establishment of the Archbold Biological Station at Lake Placid, Florida, a place he eventually retired to.

In 1942, Rand became assistant zoologist at the National Museum of Canada, now the Canadian Museum of Nature, where he worked with ornithologist Percy A. Taverner and mammologist Rudolph Martin Anderson. From 1947 to 1955, he was curator of birds at the Field Museum in Chicago and chief Curator of Zoology from 1955 to 1970.

Austin L. Rand was the father of the noted tropical herpetologist Austin Stanley Rand of the Smithsonian.

See: http://en.wikipedia.org/wiki/Austin_L._Rand

Henry Cushier Raven

Born: 1889 - Died: 1944

Henry Cushier Raven began his zoological career in the Department of Preparation of the American Museum of Natural History in 1907, where he worked with Jesse D. Figgins and Herbert Lang, noted taxidermists. When Figgins moved to the Colorado Museum of Natural History in 1910, Raven went along with him.

In 1912, the Smithsonian Institution and William Louis Abbott were looking for a young collector and explorer to carry on Abbott's work in the East Indies. Raven spent most of the next six years in the islands. His travels in the Pacific took him to Borneo, the Celebes, and the Moluccas.

Raven entered Cornell as a special student in zoology in 1918 and also served as Curator of the zoology museum. In 1919, the Smithsonian again employed him as a field collector, this time for the Cape-to-Cairo African Expedition. Upon his return in 1920, he entered Columbia and there studied comparative anatomy under William King Gregory. From 1921 to his death, Raven worked for the American Museum of Natural History as a collector and Curator of Comparative Anatomy. He also held appointments with New York University, 1924-1926; Columbia University, 1926-1944; Johns Hopkins University, 1936-1938; and the New York Zoological Park, 1921-1944. Raven's major research contributions dealt with the distribution of animals in East Asia, the sperm and beaked whales, and the comparative anatomy of primates, especially gorillas.

See: http://siris-archives.si.edu/ipac20/ipac.jsp?uri=full=3100001~!217335!0#focus

Dr. A. Robb

Born: ? - Died: ?

Associated with the United Presbyterian Mission.

Austin Roberts

Born: 1883 - Died: 1948

associated with Transvaal Museum of Natural History.

Phillip T. Robinson

Born: ? - Died: ?

Obtained his MS from the Michigan State University in 1970.

Paul Rode

Born: 1901 - Died: 1948

Paul Rode obtained his masters degree in 1925 and his doctors in 1929. In 1931, he became assistant at the department of Mammalogy and Ornithology of the Paris Museum. In 1946, he was appointed head of the newly created "Service National de Muséologie d'Histoire Naturelle".

See: Anonymus (1948). Nécrologie Paul Rode (1901 - 1948). - Mammalia, 12 (2): 51 - 53.

J. Rodhain

Born: ? - Died: ?

Osborn (1919: xvi) indicates that J. Rodhain was a member of the Commission on Sleeping Sickness (together with C. Pons, F. Vanden Branden, and J. Bequaert, 1910-1912).

Hermann Rolle

Born: ? - Died: ?

Naturalienhändler in Berlin (see NMW materia)

Dr. Jean Romieux

Born: 1893 - Died: 1951: Marseille, France

Jean Romieux was a Swiss-French geologist, who worked as a prospector in many parts of the world. He was a voluntary worker for the Geneva Museum and collected primarily insects.

In 1930-1931 he worked at the Tshinkolobwe uranium mine ("Haut Katanga", DRC).

see: Baldizzone, G. & H. Van der Wolf (2005). New species of Coleophora (Lepidoptera) from Katanga, Central Africa - Rev. suisse Zool., 112 (1): 65 - 82.

Kenneth (Kermit) Roosevelt

Born: 10 October 1889: Oyster Bay, New York, USA - Died: 4 June 1943: Alaska, USA

Son of president Theodore (Teddy) Roosevelt.

In 1913-1914, he went along with his father on what would become known as the Roosevelt-Rondon Scientific Expedition, exploring the Brazilian jungle with explorer Colonel Cândido Rondon

Corbet and Hill (1992): Brother of Theodore Roosevelt; accompanied him on the Asiatic Expedition of the Field Museum, 1928-29.

Theodore (Teddy) Roosevelt

Born: 27 October 1858: New York, New York, USA - Died: 6 January 1919: Oyster Bay, New York, USA

Theodore Roosevelt was the 26th president of the USA, from 1901 to 1908. He was also the first American to receive the Nobel Peace Prize.

After his presidency, he went on safari to Africa, followed in 1913 by a second safari to South America.

See: http://nl.wikipedia.org/wiki/Theodore_Roosevelt

Dr. Donovan Reginald Rosevear

Born: 28 November 1900: Chelsea, England, UK - Died: 1986

Donovan Reginald Rosevear was was educated at Bedford School and Christ's College, Cambridge, where he obtained a B.A. and a Diploma in Forestry. He joined the Colonial Forest Service in 1924, as an Assistant Conservator of Forests. In 1944, he was promoted to Conservator, in 1946 to Assistant Chief Conservator, and in 1950 to Chief Conservator. In 1951, he became Inspector General of Forests. After his retirement in 1954, Rosevear worked as an Honorary Associate at the Natural History Museum, preparing a series of monographs on the mammals of West Africa. He had wide-ranging interests in natural history, local history and ethnography, and was the author of 101 publications between 1931 and 1985.

See: http://www.nationalarchives.gov.uk/a2a/records.aspx?cat=060-immssros&cid=0#0

Edward S.; Lorenzen, Kenneth Ross,

Born: ? - Died: ?

E.S. Ross and K. Lorenzen made collections of ants in several countries in 1966.

See: http://antbase.org/ants/africa/history1.htm

Francis Roux

Born: ? - Died: ?

Corbet and Hill (1992): French ornithologist.

Wilhem Peter Edward Simon Rüppell

Born: 20 November 1794: Frankfurt-am-Main, Germany - Died: 10 December 1884: Frankfurt-am-Main, Germany

Corbet and Hill (1992): German naturalist; travelled in NE Africa supported by the Senckenberg Museum, Frankfurt, 1821-34.

Dr. Jack Henry Sandground

Born: 1899: Johannesburg, South Africa - Died: 1976

U.S. parasitologist, immigrated from South Africa to the U.S. in the early 1920s.

Hermann Schlegel

Born: 1804 - Died: 17 January 1884

Corbet and Hill (1992): Curator of vertebrates, later (succeeding Temminck in 1858) second director of the Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands.

Brian K. Schmidt

Born: ? - Died: ?

Brian Schmidt obtained his B.S. (Mathematics and Biology) at the University of Puget Sound (1991), and is museum specialist at the Ornithology department of the Smithsonian.

See: http://vertebrates.si.edu/birds/birds_staff_pages/BrianSchmidt_staffpage.cfm

Carl Gregory Schmitt

Born: ? - Died: ?

Anderson (1997: 135): Santa Fe, New Mexico; collected with D.C. Cole in 1978, 1979, and 1984 for AMNH

Waldo LaSalle Schmitt

Born: 1887: Washington, D.C., USA - Died: 5 August 1977

Waldo LaSalle Schmitt (1887–1977) was an American biologist, who received his Ph.D. from George Washington University in 1922. In 1948, he received an honorary Doctor of Science degree from the University of Southern California. Schmitt's primary

field of zoological investigation was carcinology, with special emphasis on the decapod crustaceans (crabs, lobsters, shrimp, and so on).

He was an Aide in Economic Botany for the United States Department of Agriculture (1907-1910), and appointed Scientific Aide in the Division of Marine Invertebrates of the United States National Museum. He also served on the staff of the United States Bureau of Fisheries as Scientific Assistant. He was naturalist aboard the Albatross (1911-1914).

He served as Assistant Curator at the United States National Museum as in the Division of Marine Invertebrates (1915-1920), and Curator (1920-1943), after which he became Head Curator of the Departmen of Biology (1943), and Head Curator of Zoology (1943-1957). He remained as Honorary Research Associate and continued his association with the Smithsonian Institution until his death on 5 August 1977.

Biological expeditions.:
1918 studying the life history of the spiny lobster at the Scripps Institution, La Jolla, California.
1924-1925, was at the Carnegie Institution's Marine Laboratory at Dry Tortugas, Florida, surveying the crustacean fauna of the area, identifying crustaceans found in the stomachs of fishes.
1925, awarded the Smithsonian's Walter Rathbone Bacon Traveling Scholarship "for the study of the fauna of countries other than the United States." The scholarship enabled him to collect marine invertebrates along the east coast of South America.
1927 Schmitt was aboard Fleurus at Deception Island
1933-1935, to the Galapagos Islands sponsored by G. Allan Hancock of Los Angeles, California.
1937, a guest of Huntington Hartford, he explored and collected in the West Indies on the Smithsonian-Hartford West Indies Expedition.
1938, accompanied President Franklin D. Roosevelt as naturalist on the Presidential Cruise to Clipperton Island, Cocos, and the Galapagos Islands.
1939, member of the Hancock South America Expedition and
1940 Biologist in charge of field operations on the first United States Fish and Wildlife Service Alaska king crab investigation.
1941-1942, on special detail with the United States Navy investigating the possibility of establishing a biological station in the Galapagos Islands.
1943, visited South America, under the auspices of the State Department, for the purpose of strengthening relations between United States and Latin American scientists.
1955, headed the Smithsonian-Bredin Belgian Congo Expedition.
1956-1960 led Bredin sponsored expeditions to the Caribbean (1956, 1958, 1959), the Society Islands (1957), and the Yucatan (1960).
1961-1962 Sponsored by a grant from the Office of Naval Research, Schmitt spent the summers of with Harry Pederson photographing the coral reef fauna of the Bahamas Islands.
1962-1963, his last expedition - member of the Survey of the United States Antarctic Research Program, the Staten Island cruise to Marguerite Bay and Weddell Sea

See: http://en.wikipedia.org/wiki/Waldo_L._Schmitt

Dr. Henri Schouteden

Born: 3 May 1881: Ixelles, Belgium - Died: 15 November 1972: Auderghem, Belgium

Henri Schouteden was professor at the Colonial University in Antwerp and at the Institute of Tropical Medicine. He was also director of the Royal Museum of Central Africa.

He obtained his PhD in 1905, and started working at the Natural History Museum in Brussels. In 1910, he transferred to the Natural History section of the Museum of Belgian Congo (Tervueren), where he became head of the department in 1919. He took part on two expeditions to the Belgian Congo: 1920-1922 (Mayombe, Équateur, Bas-Congo, Kasaï) and 1924-1925 (Uele, Ituri, Nord-Kivu, Sud-Kivu and Katanga). In 1927, he became director of the museum, a function which he kept until 1947.

See: https://nl.wikipedia.org/wiki/Henri_Schouteden

Karl J. Schuster

Born: ? - Died: ?

Anderson (1997: 135): with AMNH-MSB party in September and October 1986 (field numbers 85-109) (Bolivia).

Georg Schweinfurth

Born: 1836: Riga - Died: 1925: Berlin, Germany

Georg Schweinfurth did his university studies in Munich and Berlin around 1857. He obtained his PhD in 1862 at the university of Heidelberg. Between 1863 and 1866, he made a journey to Egypt, the Nile basin, the western coast of the Red Sea, Nubia and eastern Sudan, and resided in Cairo. He went on with his explorations and botanical collections. President-founder of the Khedival Geographical Society (1874 - 1888). Between 1891 and 1914, he made several study voyages (Egypt, northern Africa), and subsequently to Egypt, Bahr-el-Ghazal, through the Mangbetu country, from Zande to Uele (around Niangara), then returned to the Upper Nile and the Golo country (west of Bahr-el-Ghazal). He made his botanical, geographical, ethnographical collections from the centre of the African continent and the Upper Nile (1868 - 1871).

Osborn (1919: xv) places him in Congo in 1870.

See: Van Schuylenbergh (1997: 86)

William Lutley Sclater

Born: 1863 - Died: 1944

Son of Philip Lutley Sclater.

R.H.; Williams, A. Seed

Born: ? - Died: ?

Captain Guy Chester Shortridge

Born: 1880 - Died: 1949

Corbet and Hill (1992): Collected for the British Museum (Natural History) in Java and later for the Indian Mammal Survey; later director of the Kaffrarian Museum, King William's Town, South Africa, 1921-49.

Terence Michael Shortt

Born: 1 March 1911: Winnipeg, Canada - Died: 28 December 1986: Toronto, Canada

T.M. Shortt joined the Royal Ontario Museum, Toronto, in 1930, where his career spanned 46 years, during which he played an important role in the advancement of ornithology in field research and as an artist of exceptional insight. In 1948, he became head of Biology Display. Shortt led many expeditions to places such as Galapagos, India and East Africa, collecting materials for the world-class dioramas which he created for the museum.

See: http://www.thecanadianencyclopedia.com/articles/terence-michael-shortt

Sintenis

Born: ? - Died: ?

Rev. Henry H. Slater

Born: 1851 - Died: 26 November 1934: Bishop's Lydeard

Slater obtained a scholarship at St. Catherine's College, Cambridge, in 1870, and graduated in Natural Science three years later. In 1874 he visited Rodriguez as naturalist to the expedition to view the Transit of Venus, and was commissioned by the Royal Society to explore for and bring back remains of the Solitaire. In this he was successful, and the report on the collection was made by Sir Edward Newton and J. W. Clark (Phil. Trans. clxviii. pp. 448 - 451). For several years he was interested in Oriental birds, and worked on collections sent home from China by Reid, La Touche, Mr. Rickett, and others, and his reports are found in Isis issues from 1882 to 1897; from these collections he described several new birds. He visited Iceland on three occasions, and his little book on the "Birds of Iceland" (1901) was at one time a standard work, and he frequently contributed to the ' Zoologist.' Slater joined the Union in 1882 and resigned in 1906. He had a wide knowledge of Natural History and was a first-rate botanist. He was responsible for the article on the Birds of Northamptonshire in the "Victoria County History," in which county he at one time resided. Of later years he came to reside in Somerset, and deserted Ornithology for Lepidoptera, specializing in microlepidoptera and organizing the Entomological section of the Somersetshire Archaeological and Natural History Society

Chris Smeenk

Born: 6 July 1942: Oost- en West-Souburg,The Netherlands - Died: 23 March 2017

In 1961, Chris Smeenk started his biology study at the university of Utrecht and later in Leiden.

From 1970 to 1973, he studied the ecological relations between five birds of prey species in the Tsavo National Park in Kenya. Between 1974 and 1976, he was wild manager at the Pandam Wildlife Park in Nigeria, and in 1976 he was appointed curator of mammals at the RMNH, Leiden.

(See: Broekhuizen et al., 2017 - Lutra, 60 (1): 43 - 54.)

Sir Andrew Smith

Born: 3 December 1797: Heronhall, Kirkton, Scotland - Died: 12 August 1872: London, UK.

Andrew Smith attended his primary education at parish schools in Stobs, Minto and Lilliesleaf (Scotland), and later on in Edinburgh (1812-1813). In 1815, he went to London to enter the Medical Department of the Army, as the youngest officer ever admitted to the Department. On 2 August 1819, he graduated at M.D.

In 1821, he was ordered to the Cape, where he remained until 1837, attached to the 49th and 98th Regiments and the Cape Mounted Rifle Corps. Time and again, Smith was released from his official duties in order to carry out scientific investigations or to act as the agent of the Governors of the Cape in confidential missions to native tribes. E.g. in 1824, he was sent on a mission to Kafferland to interview the Xhosa Chief, Gaika. In 1825, he travelled to Namaland, In 1828, he was ordered to the Orange River to visit the Bushmen. In 1830, he was sent to Port Natal, to treat with Dingaan.

On 10 June 1825, Andrew Smith established he first museum of South Africa (the South African Museum), and became its first director.

In 1833, he was one of the driving forces behind the formation of the "Association for the Exploration of Central South Africa", which resulted in an expedition (led by him) in 1834 travelling from the Cape over Graaff Reinet to Kuruman and the Tropic of Capricorn. The expedition returned to the Cape in 1836. A year later, he was called back to England, where he was promoted to Surgeon and was stationed at Fort Pitt Hospital, Chatham.

In 1841, he was promoted to Staff Surgeon of the first class and principal Medical Officer at Chatham. In 1845, he transferred to London, where he became profession assistant to the Director General, Sir James McGrigor. In 1851, the Duke of Wellington promoted him to Superintendent Inspector General, and in 1853, he was appointed Director General. During the Crimean War in 1854, he was the target of Florence Nightingale's denounciations against the Army Medical Department, which he overcame with flying colours.

In 1858, he resigned his post due to ill-health, and devoted himself to his African studies, which he never published. After the death of his wife (1864) and his sister (1865), he gave up this study and started studying the Holy Scriptures.

During his zoology carreer, he was the first author of 76 generic names (67 available, 9 unavailable) and 558 specific names (460 available and 98 unavailable). At least 257 specific names are still in current use for mammals, birds, reptiles, amphibians and fishes.

See: Kirby (1942), Rookmaaker (2016).

Reay Henry Noble Smithers

Born: 1907 - Died: 1987

Former director of the National Museums of Zimbabwe.

H. Soyaux

Born: ? - Died: ?

Osborn (1919: xv) indicates that H. Soyaux took part in the German Loango Expedition (together with P. Güssfeldt, E. Pechuel-Loesche, and Bastian, 1873 - 1876).

Kenneth E. Stager

Born: ? - Died: ?

Anderson (1997: 135): collected with Bromley in 1957 for LACM (Bolivia).

Dr. Louis Stappers

Born: 2 May 1883: Hasselt, Limburg, Belgium - Died: 30 December 1916: Calais, France

Osborn (1919: xvi) places L. Stappers in Congo in 1911 - 1912.

Louis Stappers did his universitary studies at the university of Louvain where he obtained his PhD and MD. In 1907, he took part in the "Belgica" expedition to the South Pole. In 1911, he was charged with a scientific mission to Belgian Congo by the minister of Colonies. During the two years of this mission, he studied the waters of Lakes Moero and Tanganyika.

See: Dartevelde, E. and Schwertz, J. (1948). Contribution à l'étude de la fauna malacologique des grands lacs africains. Kon. Belg. Kol. Inst., sec. Nat. Gen. Wet., 8.B.XIV (6).

Franz Steindachner

Born: 1834 - Died: 1919

Beltz (2004: http://ebeltz.net/herps/biogappx.html):
Prominent ichthyologist and herpetologist.
Founded a school of herpetologists in Vienna.
1860 Joined staff of Naturhistorisches Museum.
Published many papers on reptiles and amphibians.
Collected in Africa, Brazil, Galapagos Islands and Southwestern Asia.

Dr. Thomas T. Struhsaker

Born: 1938 - Died: ?

Tom Struhsaker received his Ph.D. in Zoology in 1965 from the University of California at Berkeley.

Tom set off to study vervets (*Cercopithecus aethiops*) in East Africa in 1962. Later on, he worked in Cameroon, where he undertook one of the first studies on multispecific forest primate communities, and in 1970, he went to Kibale Forest in Uganda,

He is currently adjunct professor in evolutionary anthropology at Duke University.

See: Box, H., Butynski, T.M., Chapman, C.A., Lwanga, J.S., Oates, J.F., Olupot, W., Rudran, R. and Waser, P.M. (2008). Thomas T. Struhsaker: Recipient of the Lifetime Achievement Award of the International Primatological Society 2006 - Int J Primatol, 29: 13 - 18.
http://evolutionaryanthropology.duke.edu/people?subpage=profile&Gurl=%2Faas%2FBAA&Uil=tomstruh

Dr. Franz Ludwig Stuhlmann

Born: 1863 - Died: ?

Osborn (1919: xv) places Fr. Stuhlmann and Emin Pasha in Congo in 1890 - 1891.

G.H. Swynnerton

Born: ? - Died: ?

Chief Game Warden of Tanganyika, and later the Director of the TseTse research.

R.E. Symons

Born: ? - Died: ?

Dr. Steve Takata

Born: ? - Died: ?

Steve Takata obtained his Ph.D. in 2002 at the University of California, at Berkeley.

George Henry Hamilton Tate

Born: 1894: London, England - Died: 24 December 1953

Corbet and Hill (1992): Assistant then Curator of Mammalogy, American Museum of Natural History, New York 1921 (1945)-1953.
Anderson (1997: 136): AMNH; collected in department of La Paz in 1926; field notes at AMNH; catalog numbers 72550-72850, 72851-73099, 73700, 74153-74154; itinerary summarized by Boom (1981) (Bolivia).
Dorst (1954: 222) indicated that Tate visited Ecuador, Bolivia, Brazil, Venezuela, and British Guyana, before traveling through Africa: Côte d'Ivoire, Cameroon, and Liberia. He also was a member of the Archbold Expedition to New Guinea and the northern part of Australia.

Dr. Ian Tattersall

Born: 1945: England - Died: ?

Ian Tattersall is a paleoanthropologist and a curator of anthropology at the American Museum of Natural History. Tattersall received his PhD from Yale University in 1971. In addition to human evolution, he has worked extensively with lemurs. He is working with The Templeton Foundation.

He maintains an active interest in the systematics, ecology, and conservation of the lemurs of Madagascar, and is collecting material to update his classic book The Primates of Madagascar, originally published in 1982. In addition to Madagascar, he has conducted fieldwork in the Comoro Islands, Mauritius, Borneo, Nigeria, Niger, Sudan, Yemen, Vietnam, Surinam, French Guiana, Reunion, and the United States.

See: http://www.amnh.org/science/divisions/anthro/bio.php?scientist=tattersall

Edward Harrison Taylor

Born: 23 April 1889: Maysville, MO - Died: 1978

Corbet and Hill (1992): American zoologist, mainly working in herpetology; resident in the Philippines 1912-24, subsequently at University of Kansas, Lawrence.

Beltz (2004: http://ebeltz.net/herps/biogappx.html):
c1894 An early trip with his mother to CO awakened his interest in traveling.
1908 Entered U KS, Lawrence in the class of 1912.
1909 Contracted malaria while on a field trip in southeastern KS.
1910 Explored central KS with a U KS Museum of Natural History ìpaleontological group.
1912-1916 Graduated U KS (AB), passed civil service exam for service in the Philippines. Sent there via San Francisco, Hawaii and Nagasaki, Japan.
Accepted a teaching post in a remote village in central Mindano. He collected thoroughly in the area around the school and its fields. Assigned supervisor of teachers in the western part of the island of Negros, in the Visayan group. Climbed Canlaon, the local 8,000 foot volcano.
1915-1928 Published 19 papers on the herpetology of the Philippine Islands.
1916-1920 Returned to U KS, Lawrence for summer school to finish MA. Married Hazel Clark. They returned to the Philippines through San Francisco, Hawaii, Tokyo and Kyoto before reaching Manila.
Appointed Chief of Fisheries working out of offices in the Bureau of Science in Manila.
Travelled widely in the islands on geological and mineralogical surveys. Studied the fish and reptiles wherever the surveys stopped.
c1918 Spent 1 to 2 years, in government service, in Siberia.
1920 Returned to the US for a vacation, but went back to the Philippines as head of the Zoology Department, lived in Manila.
1927 Head Department Zoology, U KS, Lawrence.
1928-1934 Associate Professor Zoology, U KS, Lawrence.
1929-1936 Researched the relationships of the genus *Eumeces* culminating in the publication of a taxonomic and distribution study in 1936.
1932-1933 Gave 10 successful radio talks about herpetology and his travels.
1935 VP, American Society Ichthyologists and Herpetologists.
1937-1948 Explored Mexico with students and coworkers in a series of marginally reliable vehicles, collecting at every planned and unplanned stop.
1945-1946 Worked for the government in Indonesia and southeast Asia during WWII.
1945 Wrote "An annotated checklist and key to the snakes of Mexico" with H. Smith.
1947 Published a new species of *Typhlops* found in Ceylon.
1949-1956 Travelled in Costa Rica, collecting and observing.
1957-1964 Collected reptiles and amphibians in Thailand.
1965+ Began his researches on caecilians after discovering a new species on a tiny island in the Sea of Celebes, Brazil.
1968 Published a taxonomic review of the caecilians of the world.
His collections are at the Museum of Comparative Zoology (Harvard), The Field Museum of Natural History (Chicago) and the Museum of Natural History at U of IL in Urbana. His library is housed at the U KS library. His personal publications total 9,295 pages. His Philippine collections are at the Carnegie Museum, Pittsburg, PA.

Dr. György Topál

Born: 1931 - Died: 14 February 2016

György Topal was curator of the collection of mammals of the Natural Science Museum in Budapest, which he joined shortly after WW II.

Between 1966 and 1967 he spent more than a year in India with the Indian-Hungarian Cultural Exchange Program, and in 1966 and 1971, he conducted expedition to North Vietnam.

See: Hanák *et al.* (2016).

Melvin ("Mel") Alvah Traylor, Jr.

Born: 1915 - Died: 11 February 2008

Mel Traylor, curator emeritus at the Field Museum, died at home over the weekend, at the age of 92 . Mel may be best known for his collaboration with the late Raymond Paynter on the series of gazetteers for South American countries, works that now form an important backbone for many of our distributional and taxonomic studies, and for which Traylor and Paynter were awarded the Elliot Coues Award by the American Ornithologists' Union in 2001. But Mel published extensively over his career, not only on birds of the neotropics but also on birds of Africa (including authoring a major monograph on the birds of Angola), of China, of Nepal, and of many other parts of the world. He hated to see a worthwhile project that was left incomplete, and he was not afraid of tough challenges; it was no surprise that Mel was chosen to revise the tyrannid chapter for the Peters checklist series, a task that he completed successfully and that led to many productive side papers on tyrant flycatcher taxonomy. Mel described a number of bird taxa, including at least one species (*Cisticola restricta*, of Africa); and at least one species, *Tolmomyias traylori*, was named in his honor. Mel was a careful worker in the museum, with a keen eye for detail, but also was cautious in interpreting his results. The collections at the Field Museum contain several specimens that Mel recognized "didn't fit," but in the absence of additional material, he refrained from describing them; his instincts were borne about when the specimens that Mel "flagged" later were described by others as new species, including at least two specimens of "his" *Tolmomyias* (!).

As a Marine Corp officer, Mel was severely injured during the battle of Tarawa in the Pacific theatre during World War II, where he lost one eye and suffered arm and upper body wounds during the famous beach assault. He returned to Chicago and resumed his volunteer participation in the affairs of the Field Museum's bird division, where he later became employed as a curator along with Austin Rand and Emmet (Bob) Blake. During the last few years of his employment he served as Chairman of the Zoology Department, and was as gracious and helpful an administrator as he always was a colleague and friend.

Mel continued to visit the Field Museum for many years after he retired, until this was no longer practical. He always was interested in the work of his younger colleagues, and did his best to keep up with advances in the field. His deep curiosity about the world around him, his good humor, and his gentle spirit were a source of pleasure and inspiration to all who knew him.

See: http://zoonomen.net/bio/biot.html

Rév. Henry Baker J. Tristram

Born: 11 May 1822: Eglingham Vicarage, near Alnwick, UK - Died: 8 March 1906: Durham, England, UK

1844: Graduated Lincoln College, Oxford
1845: Ordained a Deacon
1846: Ordained a priest
Founder and original member of the BOU.
1873: Becomes Canon of Durham Cathedral
Fellow of the Royal Society

See: http://zoonomen.net/bio/biot.html

Jay L. Udelhoven

Born: ? - Died: ?

Jay Udelhoven obtained his BA in Natural Resources in 1990 at the University of Wisconsin-Madison, and his MA in Environmental Policy in 2003 at the University of Denver. He is currently Senior Marine Policy Advisor with The Nature Conservancy.

From 1991 to 1993, Jay was Park Management Specialist with the Peace Corps in Burundi.

See: http://www.linkedin.com/pub/jay-udelhoven/23/617/386

Vaillemans

Born: ? - Died: ?

Paul Van Bellighen

Born: 1858: Haacht, Flemish Brabant, Belgium - Died: 1931: Brussels, Belgium

Between 1884 and 1890, Paul Van Bellighen was a pharmacist (university of Brussels, 1884). He was then appointed commis second class at Stanley Falls, and subsequently promoted to first class. Later on, he became assistant district commissioner at Isangila (1890 - 1893), assistant intendant second class and moved to the administration of public works in Matadi, where he became assistant intendant first class (1894 - 1897). He became intendant at the agricultural post of Lemba (Matadi) and

handled the organisation of the transports between Matadi and Leopoldville (1898 - 1901). Between 1903 and 1904, he conducted a mission to German East Africa for the Congo Free State.

See: Van Schuylenbergh (1997: 98)

Peter Johannes Hendrikus Van Bree

Born: 17 September 1927: Tebing Tinggi, Indonesia - Died: 24 February 2011,

Dutch marine mammal biologist and mammal curator at the Zoological Museum of Amsterdam (ZMA). He obtained his B.Sc. In Biology in 1955, and his M.Sc. In 1958 at the University of Amsterdam. In 1959, he became chief assistant at the ZMA and 1 year later Curator of Mammals. During his career at the ZMA, he undertook fieldwork in Gabon, Côte d'Ivoire, Senegal, Morocco, Indonesia, Malaysia, Surinam, Venezuela, and Curaçao.

See: Anonymus (2011). Memories. PETER JOHANNES HENDRIKUS VAN BREE 1927 - 2011. Honorary Member of the Society for Marine Mammalogy - *Marine Mammal Science*, 27 (3): 665 - 670 . DOI: 10.1111/j.1748-7692.2011.00492.x

Richard George Van Gelder

Born: 1928 - Died: 1994

Anderson (1997: 136): curator at AMNH, New York; 19 April to 11 June 1965, field numbers 1552-1755; organized expeditions to Beni (Bolivia) in 1964 and 1965 with support from grant no. DA-MD-49-193-63-G82, U.S. Army Medical Research and Development Command.

Van Iseghem

Born: ? - Died: ?

Prof. Dr. Gregorius Johannes Van Oordt

Born: 19 March 1892: Arnhem, The Netherlands - Died: 22 April 1963: Bilthoven, The Netherlands

G.J. Van Oordt promoted on 18 February 1921. He was lector (later full professor) in Zoology professor at the university of Utrecht, The Netherlands, from 1934 to 1 September 1962.

See: https://profs.library.uu.nl/index.php/profrec/getprofdata/1524/21/62/0

Dr. R. Van Saceghem

Born: 1884 - Died: 1965

R. Van Saceghem was a Belgian vet in Congo who became reputed for his discovery of *Dermatophilus congolensis*, the etiological agent of an important skin disease of livestock, did several treatment and immunisation trials.

http://www.itg.be/internet/geschiedenis/IIC.pdf
See: IBIS, 78 (2): 385 - 386.

Edgar Verdick

Born: 1868: Brussels, Belgium - Died: 1827: Brussels, Belgium

Edgar Verdick was enlisted in the carabineers regiment in 1883. He was promoted to sergeant-quartermaster in 1889. Around 1911, he was involved in various colonial affairs. Non-commissioned officer in the public forces at the Lusambo (Sankuru) camp. He was part of the "Le Marine" expedition to Katanga (met Msiri) and organised with Legat the military post at Lofoi, where he led an expedition to Lake Moero (1890 - 1895). He was promoted to captain of the public forces at the post at Lofoi, and later on to commander of the post (expedition with Van Bredael on the banks of the Luembe, met the scientific mission of commander Lemaire at Lofoi), transferred later on to Lukafu (1896 - 1901). Zone chief first class (Maniema-Tanganyika); reorganised the public forces in Maniema and led an expedition to Lake Dilolo (1902 - 1906). Assistant-superior at Stanleyville (1907 - 1911).

09/02/1898 - 19/04/1898: reconnaissance trips to the Lofoi-Lake Moero-valley Lubule-mountains Kibara area.
04/08/1898 - 18/09/1898: trips to the frontiers of the extreme southern valleys of Lufira-Luapula and Kafuni.
08/03/1899 - 29/05/1899: Mulumu-Niama affaire.
09/08/1900 - 29/12/1900: return to Katanga, from Lukafu, via Lake Moero and Tanganyika.
16/04/1903 - 29/07/1903: expedition to Lake Dilolo from Lusambo with Ch. Questiaux, director of the Compagnie de Kasai.
April - June 1903: journey from Lusambo to mount Lupunga

See: Van Schuylenbergh (1997: 111)

Arthur S. Vernay

Born: ? - Died: ?

Corbet and Hill (1992): Trustee of the American Museum of Natural History, who sponsored and participated in an expedition to NE Burma 1938-39.

The Vernay-Lang Kalahari Expedition 1930

Born: ? - Died: ?

This expedition took place between March and September 1930.

Other members of this expedition (besides Herbert Lang and Arthur S. Vernay) were: Austin Roberts, Mr. Aebischer, Captain Beeching, Mr. Noomé, Mr. Robertson, Mr. Marnewick, Mr. Van Son, Mr. Vlok, Mr. Engelbrecht, Mr. Legge, Mr. FitzSimons (Roberts, 1935).

Jules Pierre Verreaux

Born: 24 August 1807 - Died: 7 September 1873

Jules Pierre Verreaux was a French botanist ornithologist and professional collector of, and trader in, natural history specimens. He was the brother of Jean Baptiste Edouard Verreaux (1810 - 1868), and Joseph Alexis (? - 1868). and nephew of Pierre Antoine Delalande.

Verreaux worked for his family business, Maison Verreaux, established in 1803 by his father, Jacques Philippe Verreaux, at Place des Vosges in Paris, which was the earliest known company that dealt with objects of natural history. The company funded collection expeditions to various parts of the world. Maison Verreaux was an emporium and dealership in natural history specimens which had, as a frequent client, the Muséum National d'Histoire Naturelle to add to its collections.

In 1819 (age 12), he accompanied his uncle, Delalande, to Cape of Good Hope; remaining 2 years. He then returned to Paris, where he studied at the Paris Museum under G. Cuvier & I. Geoffroy Saint-Hilaire. In 1825, he returned to Cape of Good Hope for another 5 years, some of which he spend helping Andrew Smith, amongst others by founding the South African Museum in Cape Town in 1825.

In 1832 he again summoned his brother Edouard to join him, to help handle specimens. In 1837, he completed travels to Cochin-China and Philippines.

Verreaux travelled to New Holland (Australia) and Tasmania in 1842 to collect plants. He returned to France in 1851 with a natural history collection reported to contain 15,000 items. In 1864 he took over from Florent Prévost as assistant naturalist at the Paris Museum.

See: http://en.wikipedia.org/wiki/Jules_Verreaux, http://zoonomen.net/bio/biov.html

Colonel Leslie Desmond Edward Foster Vesey-FitzGerald

Born: c 1910 - Died: 1974

Vesey-Fitzgerald collected between 1943 and 1968 in Western Asia: Kuwait, Oman, Saudi Arabia; Tropical Africa: Tanzania, Zambia; Southern Africa: South Africa; Mascarenes: Seychelles; West Indies: Trinidad and Tobago.

Associates: Fitzgerald, D.V. (synonym), Gilbert, V.C. (fl.1966-1968), Phipps, J.B. (1934-), Richards, M.A.E. (1885-1977), Sharp, A.J. (1904-1997), Sharp, E. (fl.1935-1968).

See: http://plants.jstor.org/person/bm000042502

Jacques Marie Edme Vielliard

Born: 1944 - Died: 9 August 2010: Belém, Pará, Brazil

(1967), with a Masters in Ecology and the École Normale Supérieure (Paris, 1968) and obtained a Ph.D. in ecology from the École Normale Supérieure - ENS (Paris, 1971).

See: http://species.wikimedia.org/wiki/Jacques_Vielliard, http://www.unicamp.br/unicamp/divulgacao/2010/08/11/morre-jacques-vielliard

John Visser

Born: ? - Died: ?

South African (Namibian?) herpetologist.

C. Vleeschouwers

Born: 1925? - Died: 1956?

C. Vleeschouwers spent at least two decades in the Belgina Congo, where he appears to have concentrated on ichthyology and collected a number of different fish species in the early 1940s from the River Luie in the Kwango region, and these fish were also described by Poll, who was working in the Congo in the same period. Vleeschouwers was a member of the colonial administration with responsibilities encompassing local hunting and related matters. In 1953 he commented on the growth in the use by local peoples of automatic firearms, and in 1956 he published, in the Congo's Agricultural Bulletin, a paper entitles "Contributions à l'étude cynégétique du District du Kwango" (Contribution to the study of hunting in the Kwango district).

see Beolens et al.

Prof. Dr. Alfred Voeltzkow

Born: 1860 - Died: 1947

Alfred Voeltzkow was a German traveller and zoologist who spent many years in East Africa. Between 1889 and 1895 he traveled in Zanzibar and Pemba. In 1903 and 1906 he was in the Comoro Islands, and at some stage he visited the islands of Grand Comore (late 1903), Anjouan (late 1903), and Aldabra. His East African collection is in the Natural History Museum in Vienna.

This material includes the holotype of *Rousettus obliviosus*.

See Beolens et al., (R):

Baron Karl Klaus von der Decken

Born: 8 August 1833: Kotzen, Brandenburg, Germany - Died: 2 October 1865: near Bardera, Somalia

After his military career, Baron von der Decken explored Eastern Africa, where his first expedition in May 1860 led him into the region of lake Malawi (only one year after David Livingstone). In 1861, together with the English geologist Richard Thornton, he reached mount Kilimanjaro, and in 1862 he was the first European (together with the German explorer and chemist Otto Kersten) to try to reach the top of the mountain, but only got as high as 4,200 m (of the 5,895), when snow forced him to surrender. He then explored the area around the foot the mountain. Later on, he organized a large expedition along the Tana river in Kenya.

In 1863, von der Decken visited Madagascar and the Mascarene islands.

During his last expedition to Somalia in 1865, he traveled along the Juba river up to Bardera where he was killed in a battle with local Somali tribesmen.

See: http://de.wikipedia.org/wiki/Karl_Klaus_von_der_Decken, http://en.wikipedia.org/wiki/Karl_Klaus_von_der_Decken

Prof. Dr. Otto Von Helversen

Born: 1943: Sofia, Bulgaria - Died: 2 March 2009: Erlangen, Germany

Actually: Otto Freiherr von Helversen-Helversheim.

Between 1962 and 1968, von Helversen studied biology and mathematics at the universities of Mainz, Tübingen, and Freiburg/Breisgau in Germany. Until 1979 he worked as an assistant professor at the university of Freiburg, when he became full professor at the university of Erlangen. He retired in the fall of 2008.

See: Voigt, C.C., Heller, K.-G., Holderied, M., Mayer, F., Tschapka, M., Volleth, M., Winter, Y. (2009). An inquisitive mind: prof. Dr. Otto freiherr von Helversen-Helversheim (1943 - 2009). - Acta Chiropterologica, 11 (2): 467 - 469.

Theodor Von Heuglin

Born: ? - Died: ?

see: Heuglin, Martin Theodor von

Graf Gustav von Sack

Born: 1860 - Died: 1935

Hauptmann Gustav von Sack (1860- 1935):

See: http://related.springerprotocols.com/lp/de-gruyter/africana-reference-works-an-annotated-list-of-2007-titles-Sx0mxA0C1q

Keith M. Waddell

Born: ? - Died: ?

Keith Waddell is an ophthalmologist working for the Uganda Eye Project.

Johann Andreas Wagner

Born: 1797 - Died: 1861

Corbet and Hill (1992): German zoologist.

Henry Augustus Ward

Born: 1834: Rochester, New York, USA - Died: 4 July 1906: Buffalo, New York, USA

Henry Augustus. Ward was an American naturalist and geologist, who after attending Williams College and the Lawrence Scientific School, Harvard (where he was an assistant of Louis Agassiz), traveled in Egypt, Arabia, and Palestine, and studied at the Jardin des Plantes, the Sorbonne, and the School of Mines in Paris, and at the universities of Munich and Freiberg. Subsequently, he traveled in West Africa and the West Indies, collecting natural history specimens.

In 1860, he returned to Rochester where he was professor at the University of Rochester until 1865. In Rochester, he founded Ward's Natural Science, a pioneer enterprise of its kind, which collected specimens from all parts of the world, which were then mounted and sold to colleges and museums.

See: http://en.wikipedia.org/wiki/Henry_Augustus_Ward

The Ward's Natural Sciences Estabishment

Born: ? - Died: ?

See Henry Augustus Ward.

Dr. F.M. Welwitsch

Born: ? - Died: ?

A botanist.
Bergmans (1976: 189) refers to Dolezal (1959, 1961), who indicated that Welwitsch travelled in Angola from 10 September 1854 to 7 September 1857, and used the villages of Golungo Alto and Pungo Andongo as bases for his expeditions.

dr. J. C. Whitley

Born: ? - Died: ?

Dr. Whitley served as the Medical Officer having been first appointed in the Protectorate (Old Calabar) on the 20th October 1898. He was invalided out on the 24th August 1902 and returned to the UK.

See: https://www.bonhams.com/auctions/20810/lot/50/

Roger Wilkinson

Born: ? - Died: ?

Roger has a BSc in Zoology and a PhD from Southampton University. He was Senior Lecturer in Department of Biology Sciences at Bayero University, Kano, Nigeria and is an Honorary Research Fellow of Keele University. Currently, he is head of Conservation and Science and at Chester Zoo.

See: http://www.parrots.org/index.php/aboutus/aboutrogerwilkinson/

Stephen L. Williams

Born: 1948: Midland, Texas, U.S.A. - Died: ?

Stephen Williams received his B.S. in Zoology from the Texas Tech University in 1970, his M.S. in Zoology in 1973. In 1975, he became Collection Data Analyst at the Museum of Texas Tech University and in 1976 Collection Manager at the section of Mammals at the Carnegie Museum of Natural History, a position in which he served until 1990, when he returned to the Texas Tech University as Collections Manager and Adjunct Professor of Museum Sciences. In 1995, he became Assitant Professor of Museum Studies at Baylor University. In 1999, he received his Ph.D in Conservation from the Goteborg University in Sweden (see Bradley *et al.*, 2005: 16 - 17).

Don Ellis Wilson

Born: 1942 - Died: ?

Anderson (1997: 137): U.S. Fish and Wildlife Service; visited the EBB (Bolivia) in 1986 (field numbers 7185-7266).

J. Olaf Wirminghaus

Born: ? - Died: ?

South African ornithologist.

Dr. Simeon Burt Wolbach

Born: 1880: Grand Island, Nebraska, USA - Died: 1954

Simeon Burt Wolbach attended Harvard Medical School (M.D., 1903), studying pathology under Councilman and Mallory. After medical school, he worked as director of the Bender Hygienic Laboratory in Albany, NY; pathologist at the Montreal General Hospital and teacher at McGill Medical School. In 1910, he returned to Harvard as an assitant professor of bacteriology. He was promoted to associate professor in 1914. In 1916, he was jointly appointed to the Departments of Bacteriology and Pathology. In 1917, he was pathologist to the Peter Bent Brigham Hospital and the Boston Lying-In Hospital. In 1922, he was appointed the Shattuck professor of pathology at Harvard. He held this position for 25 years. In 1947, he became the director of the Division of Nutritional Research at Children's Hospital in Boston. He held this position until his death in 1954.

Wolbach's interests ranged from the effects of radiation to tropical medicine and infectious diseases. His work on radiation began with Porter in 1907. Later in life, he served as a consultant to the US Atomic Energy Commission (1951-1953). He did field research in Nigeria in 1911 related to the pathology of general paresis. Best known of his work on infectious diseases are his contributions to the understanding rickettsial illnesses, Rocky Mountain spotted fever (1919), and epidemic typhus in Poland (1920). Wolbach's most fundamental work was in the field of vitamin research, and the relationships of vitamins to tissue structure and the pathology of scurvy and other diseases.

See:
http://dssmhi1.fas.harvard.edu/emuseumdev/code/emuseum.asp?action=advsearch&newsearch=1&profile=people&rawsearch=constituentid/,/is/,/3971/,/false/,/true&style=single&searchdesc=Simeon%20Burt%20Wolbach

Frederic Wood Jones

Born: 23 January 1879; Hackney, London, England, U.K. - Died: 29 September 1954; London, England, U.K.

Frederic Wood Jones was a British observational naturalist, embryologist, anatomist and anthropologist, who spent considerable time in Australia. He taught anatomy and physical anthropology at London School of Medicine for Women, University of Adelaide (chair of anatomy, 1920), University of Hawaii, University of Melbourne, University of Manchester and the Royal College of Surgeons of England.

In 1897 he entered the London Hospital Medical College which in 1900 became part of the University of London where he graduated (B.Sc., 1903; M.B., B.S., 1904; D.Sc., 1910). In 1904 he became a member of the Royal College of Surgeons; he was made a fellow in 1930.

From 1905 to 1906 he was posted as medical officer to the Eastern Extension Telegraph Co. on the Cocos-Keeling Islands.

He obeyed a summons from (Sir) Grafton Elliot Smith, professor of anatomy, Cairo, to join the archaeological survey of Nubia (1907 - 1908), made urgent because the raising in height of the Aswan Dam would soon flood important sites

See: https://en.wikipedia.org/wiki/Frederic_Wood_Jones, http://adb.anu.edu.au/biography/jones-frederic-wood-6872

Mr. R.B. Woosnam

Born: ? - Died: ?

Osborn (1919: xvi) places R.B. Woosnam and A.G.F. Wollaston in Congo in 1906.

Dr. Frederik Roelker Wulsin

Born: 8 July 1891 - Died: 26 February 1961

Frederick Wulsin obtained his PhD from Harvard in 1929.

During his career, he joined Zoological expeditions in East Africa, Madagascar , 1914; China, Mongolia, Kokonor, Indo-China 1921-1924, and made Archaeological travels to Belgian Congo, French Equatorial Africa, 1927-1928; Persia, 1930-1931. From 1926 to 1927 he was tutor in anthropology af Harvard, and between 1935 and 1936 lecturer in anthropology at the Boston University. In 1945, he became lecturere in sociology and anthropology at Tuffs College (now Tuffs University), to become professor in 1947, a position he held to his retirement in 1957.

See: http://oasis.lib.harvard.edu/oasis/deliver/~pea00050

dr. Hans Zerny

Born: 11 June 1887: Vienna, Austria - Died: 14 September 1945: Vienna, Austria

Hans Zerny was an Austrian entomologist best known for his studies of Lepidoptera. He studied zoology at the University of Vienna, where he obtained his PhD in 1911. Afterwards, he began work at the Naturhistorisches Museum in Vienna, serving as an adjunct-curator from 1920 and as curator-first class from 1928 onward.

He undertook numerous scientific trips throughout Eastern Europe and North Africa. In 1927, he spent 28 weeks on an excursion to the lower Amazon region. From his expeditions, a number of new entomological species have been identified. Also, he is credited with conducting significant research involving South East Asian Noctuidae and members of Neotropical Syntomidae.

Travels:
1909 (1 week): Trieste and Istria - (4 weeks) Küstenland (with Dr. Maidl)
1911 (2 weeks): Küstenland (with Dr. Maidl)
1912 (3 weeks): Dalmatia (with Dr. Maidl)
1913 (4 weeks): Upper Italy and Tirol (with Dr. Maidl)
1914 (1 week): Trieste and Istria
1915 (3 weeks): Mühlviertel - Nürnberg - Passau -Linz (with Dr. Ebner).
1916 (3 weeks): Salzburg
1917 (2 weeks): Slovenia
1918 (12 weeks): Albania
1919 (3 weeks): Tirol - Vorarlberg - (2 weeks): Prague
1920 (4 weeks); Carinthia - Osttirol
1921 (7 weeks): Sizilia (with Fritz Wagner) - (2 weeks): Carinthia (with Dr. Ebner)
1922 (4 weeks): Tirol - Vorarlberg (with Dr. Ebner)
1923 (5 weeks): Dalmatia (with Fritz Wagner) - (2 weeks): Germany (with Fritz Wagner)
1924 (7 weeks): Aragon
1925 (8 weeks): Southern Andalusia (with Predota) - (1 week): Züricher Entomologists congres
1926 (3 weeks): Dalmatia - (1 week): southern Burgenland and Oststeiermark (with Mr. and Mrs. Dr. Ginzberger)
1927 (28 weeks): Brasilia, lower Amazon area (with Mr. and Mrs. Dr. Ginzberger)
1928 (5 weeks): Tirol
1929 (1 week): Budapest - Csepel - Soroksar - Törökbalint - (4 weeks): Bosnia-Herzegovina - Montenegro - Dalmatia - (7 weeks): Southern Algeria (with Schwingenschuß)
1930 (2 weeks): Dalmatia - (3 weeks): Bulgaria
1931 (10 weeks): Lebanon (with Schwingenschuß)
1932 (1 week): München (with Dr. Wettstein) - (3 weeks): Vogesen and Paris congres (with Heikertinger)
1933 (7 weeks): Morocco, Higher Atlas (with Schwingenschuß)
1934 (4 weeks): Kroatia
1935/36 (40 weeks): East Africa followed by sailing around Afrida
1937 (3 weeks): Northern Italy - Südtirol (with Dr. Ebner and Schwingenschuß)
1938 (4 weeks): Portugal (with Dr. Ebner) - (1 week): Berlin - München - Entomologists congres
1939 (4 weeks): Tirol

1940 (3 weeks): Lungau
1941 (3 weeks): Carinthia
1942 (4 weeks): Slovenia

See: http://en.wikipedia.org/wiki/Hans_Zerny, http://www.landesmuseum.at/pdf_frei_remote/ANNA_56_0558-0563.pdf

George R. Zug

Born: ? - Died: ?

George Zug is curator emeritus of the herpetology department of the Smithsonian.

He obtained his B.S. (1960) from Albright College, his M.S. (1963) from the University of Florida, and his Ph.D. (1968) from the University of Michigan.

See: http://vertebrates.si.edu/herps/herps_staff_pages/zug-staff.cfm

Appendix 5: Keys from the Literature

This appendix contains an overview of the keys on African Chiroptera found in various publications. The keys are presented in a chronological order and within the same year alphabetical per author.
The keys do not include the drawings or figures being references. For this, we refer to the original publication.
If the identifications in the keys are not equal to the ones used in the current publication, the current name is also mentioned in BLUE.
Some notes in GREEN refer to identifications found in error by other publications. The most recent published name for this taxon is given in ORANGE. If the identification has been modified, this modified name has been used to link it with the name used in the present publication.
Unfortunately, however, not all identifications in the keys have been checked on their correctness.

Appendix 5a: Dobson (1877). A Monograph of the Group Molossi.

1	a	First toe much larger and thicker than the other toes and separable from them; ears quite separate. Premaxillary bones united; upper incisors very strong, close together in front (genus *Cheiromeles*). ..... *Cheiromeles torquatus*
	b	First and fifth toes much thicker than the other toes; ears united or close together by their inner margins. 2
2	a	Premaxillary bones united; upper incisors close together in front (genus *Molossus*). 3
	b	Premaxillary bones separate or united by cartilage only; upper incisors separate in front (genus *Nyctinomus*). 13
3	a	Ears more or less united. 4
	b	Ears distinctly separate; upper incisors with diverging summits, their bases removed from the canines by a diastema (subgenus *Myopterus* Geoffr). 5
4	a	Premolars 2-2/2-2; upper incisors with diverging summits, and with their broad bases close to the canines (subgenus *Promops* Gervais). 5
	b	Premolars 1-1/2-2; upper incisors parallel by their inner margins, their bases close to the canines (subgenus *Molossus* (Geoffr.), Peters). 5
5	a	Muzzle obtuse, rounded in front; lips smooth, not wrinkled; tragus triangular or linear. 6
	b	Muzzle very obliquely truncate, its superior and external front margins formed by the sharply cut cartilaginous rim of the nostrils, lips smooth or very slightly wrinkled; tragus quadrate; inc. 2/4, pm. 2-2/2-2. 11
6	a	Antitragus circular, as high as long. 7
	b	Antitragus half-oval or half-cordate, longer than high, tragus linear ; inc. 2/4, pm. 2-2/2-2. ..... *Molossus (Promops) abrasus*
7	a	Tragus triangular with a broad base; inner margins of the ears arising by separate points of origin; inc. 2/1, pm. 1-1/2-2. 8
	b	Tragus linear, subacutely pointed, inner margins of the ears arising from the same point or very close together. 10
8	a	Ears obtusely pointed, forearm 1"2. ..... *Molossus (Myopterus) temminckii*
	b	Ears rounded above. 9
9	a	Centre of breast and abdomen white; forearm 1"35. *Molossus (Myopterus) planirostris*
	b	Centre of breast and abdomen not different from sides; forearm 1"7. ..... *Molossus (Myopterus) brachymeles*
10	a	Inc. 2/2, pm. 1-1/2-2. ..... *Molossus (Molossus) rufus*
	b	Inc. 2/4, pm. 2-2/2-2. ..... *Molossus (Promops) nasutus*
11	a	Ears longer than the head; gular sac large; first upper premolar external. ... *Molossus (Promops) perotis*
	b	Ears shorter than the head, gular sac small; first upper premolar in the tooth-row. 12
12	a	Upper lip smooth; forearm 2"3. ..... *Molossus (Promops) glaucinus*
	b	Upper lip slightly wrinkled; forearm 1"8. ..... *Molossus (Promops) bonariensis*
13	a	Ears very close or united together; upper lip deeply grooved by vertical wrinkles; premolars 2-2/2-2 (subgenus *Nyctinomus* (Geoffr.), Pet). 14
	b	Ears distinctly separate; upper lip slightly wrinkled; premolars 1-1/2-2 (subgenus *Mormopterus* Peters). 14
14	a	Premolars 2-2/2-2. 15

b Premolars 1-1/2-2. Antitragus separated by a very shallow notch, lower incisors 6. Muzzle flat or rounded off above; upper lip with ill-defined vertical wrinkles. Ears separate, tragus triangular, rounded off above. 32

15 a Integument of the ears thick, opaque; keel of the ear-conch thickened in lower third; antitragus separated by a deep notch. 16

b Integument of the ears thin, translucent; keel of the ear-conch slender, deep, bent backwards on itself. 27

16 a Lips smooth: inner margins of the ears arising from the muzzle by distinct points of origin; tragus broad, rounded off above. Antitragus irregularly quadrate; lower incisors 4. ..... *Nyctinomus (Nyctinomus) africanus*
African Chiroptera name ..... *Tadarida ventralis*

b Lips furrowed by deep vertical wrinkles. 17

17 a Ears separate or conjoined at the bases of their inner margins only; tragus broad, rounded off above. 18

b Ears conjoined by a more or less deep band; tragus small; no gular sac. 20

c Ears conjoined by a very deep band anteriorly, and, posteriorly, by a second low band. ..... *Nyctinomus (Nyctinomus) johorensis*

18 a Ears conjoined at the bases of their inner margins; gular sac distinct in males. Antitragus obliquely triangular, rounded; lower incisors 6. . *Nyctinomus (Nyctinomus) cestoni*
African Chiroptera name ..... *Tadarida teniotis*

b Ears separate; no gular sac. Antitragus half oval. 19

19 a Lower incisors 4. ..... *Nyctinomus (Nyctinomus) ægyptiacus*
African Chiroptera name ..... *Tadarida aegyptiaca*

b Lower incisors 6. ..... *Nyctinomus (Nyctinomus) tragatus*

20 a Ears conjoined at the bases of their inner margins. 21

b Ears conjoined by a deep band in front. 22

21 a Fur unicoloured; wings from the lower end of the tibiæ. ..... *Nyctinomus (Nyctinomus) plicatus*

b Fur greyish on the surface; wings from the middle of the tibiæ. ..... *Nyctinomus (Nyctinomus) bivittatus*
African Chiroptera name ..... *Chaerephon bivittatus*

22 a The first upper premolar stands in the tooth-row. 23

b The first upper premolar external to the tooth-row. 25

23 a Lower third of the ear-keel much thickened and flattened externally. ..... *Nyctinomus (Nyctinomus) brachypterus*
African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*

b Lower third of the ear-keel slightly thickened, not flattened externally. 24

24 a Fur of the chest and abdomen uniform in colour. .. *Nyctinomus (Nyctinomus) pumilus*
African Chiroptera name ..... *Chaerephon pumilus*

b Fur of the lower half of the chest and the abdomen white. ..... *Nyctinomus (Nyctinomus) limbatus*
African Chiroptera name ..... *Chaerephon pumilus*

25 a Lower third of the ear-keel slightly thickened, not flattened externally. Tragus quadrate. ..... *Nyctinomus (Nyctinomus) angolensis*
African Chiroptera name ..... *Mops (Mops) condylurus*

b Lower third of the ear-keel much thickened and flattened externally. 26

26 a Tragus narrow, much longer than broad, rounded off above. ..... *Nyctinomus (Nyctinomus) miarensis*
African Chiroptera name ..... *Mops (Mops) midas miarensis*

b Tragus quadrate. ..... *Nyctinomus (Nyctinomus) mops*

27 a Antitragus separated by a deep notch; lower incisors 4. 28

b Antitragus separated by a very shallow notch; lower incisors 6. Muzzle flat in front of the ears; upper lips with vertical wrinkles. Ears separate. 31

28 a Muzzle thick, not concave in front of the eyes; upper lip with vertical wrinkles. 29

b Muzzle concave between the eyes and extremity of the nose; upper lip furrowed by deep oblique wrinkles; ears united on the forehead slightly in front of the eyes; no gular sac. 30

29 a Ears separate; a large gular sac. ..... *Nyctinomus (Nyctinomus) australis*

b Ears united by a low band near the extremity of the muzzle; no gular sac. .... *Nyctinomus (Nyctinomus) megalotis*

30 a Ears united by a deep band, antitragus much longer than high. .... *Nyctinomus (Nyctinomus) macrotis*

b Ears united by a low band; antitragus as high as long. .... *Nyctinomus (Nyctinomus) gracilis*

31 a Tragus quadrate, broad above; first upper premolar in the centre of the space between the canine and second premolar. ..... *Nyctinomus (Nyctinomus) brasiliensis*

b Tragus triangular, narrow above; first upper premolar larger, filling up the space between the canine and second premolar. ..... *Nyctinomus (Nyctinomus) norfolcensis*

32 a Ear broad above, upper third of the inner margin straight. ..... *N* ..... *yctinomus (Mormopterus) albiventer*

b Ear narrow above, upper third of the inner margin deeply concave. .... *Nyctinomus (Mormopterus) acetabulosus*

African Chiroptera name ..... *Mormopterus acetabulosus*

Appendix 5b: Dobson (1878). Catalogue of the Chiroptera in the collection of the British Museum.

1	a	Megachiroptera (Family Pteropodidæ)..... 2
	b	Microchiroptera..... 67
2	a	Tongue moderate; molars well developed (Group I. Pteropi). 3
	b	Tongue very long, muzzle narrow, elongated; molars very narrow, scarcely raised above the gum (Group II. Macroglossi)..... 8
3	a	Tail very short or none, when present quite free from the interfemoral membrane; second finger with a distinct claw; wings from the sides of the back; premaxillary bones united in front; fur of the nape of the neck and shoulders not differing from that of the back. Inc. $^{4}/_{4}$ or $^{2}/_{4}$, c. $^{1-1}/_{1-1}$, pm. $^{2-2}/_{3-3}$, m. $^{1-1}/_{2-2}$ (Genus *Epomophorus*). 11
	b	Tail very short or none, when present partly contained within the interfemoral membrane. 4
4	a	Second finger with a distinct claw; premaxillary bones united in front. 5
	b	Second finger without a claw; wings from the spine tail distinct; premaxillary bones separate in front. Inc. $^{2}/_{2}$, c. $^{1-1}/_{1-1}$, pm. $^{2-2}/_{3-3}$, m. $^{2-2}/_{3-3}$ (Genus *Cephalotes*). ..... *Cephalotes peronii*
5	a	Nostrils simple, their inner margins alone projecting. 6
	b	Nostrils tubular, projecting abruptly from the muzzle; tail distinct. Inc. $^{2}/_{0}$; c. $^{1-1}/_{1-1}$, pm. $^{2-2}/_{3-3}$, m. $^{2-2}/_{2-2}$ (Genus *Harpyia*). .....*Harpyia cephalotes and Harpyia major*
6	a	Tail none; fur of the nape of the neck and shoulders differing in colour or quality from that of the back. 7
	b	Tail distinct; fur of the nape of the neck and shoulders not differing from that of the back. Inc. $^{4}/_{4}$, c. $^{1-1}/_{1-1}$, pm. $^{3-3}/_{3-3}$, m. $^{2-2}/_{3-3}$ (Genus *Pteropus*)..... 16
7	a	Inc.$^{4}/_{4}$, c. $^{1-1}/_{1-1}$, pm. $^{3-3}/_{3-3}$, m. $^{2-2}/_{3-3}$ (Genus *Cynonycteris*). 53
	b	Inc. $^{4}/_{4}$ or $^{4}/_{2}$, c. $^{1-1}/_{1-1}$, pm. $^{2-2}/_{3-3}$, m. $^{2-2}/_{2-2}$ (Genus *Cynopterus*). 61
8	a	Second linger without a claw; premaxillary bones separate in front. 9
	b	Second finger with a distinct claw; premaxillary bones united in front. Wings to sides of the body. 10
9	a	Wings from the spine; tail long. Inc. $^{2-2}/_{1-1}$, c. $^{1-1}/_{1-1}$, pm. $^{2-2}/_{3-3}$, m. $^{2-2}/_{2-2}$ [Inner upper incisors rudimentary, not visible in recent specimens] (Genus *Notopteris*). .....*Notopteris macdonaldii*
	b	Wings from the sides of the back; tail short. Inc. 2 - $^{2}/_{4}$, c. $^{1-1}/_{1-1}$, pm. $^{3-3}/_{3-3}$, m. $^{2-2}/_{3-3}$ (Genus *Eonycteris*). .....*Eonycteris spelæa*
10	a	Tail short; wing-membrane from the base of the fourth toe. Inc. $^{4}/_{4}$, c. $^{1-1}/_{1-1}$; pm. $^{3-3}/_{3-3}$, m. $^{2-2}/_{3-3}$ (Genus *Macroglossus*).....*Macroglossus minimus*
	b	Tail none; wing-membrane from the base of the third toe. Inc. $^{4}/_{4}$, c. $^{1-1}/_{1-1}$, pm. $^{3-3}/_{3-3}$, m. $^{2-2}/_{3-3}$ (Genus *Melonycteris*). ..... *Melonycteris melanops*
11	a	Shoulder-pouches not developed in either males or females; front of the muzzle with prominent cutaneous foliaceous expansions; molars with distinct external cusps (Subgenus *Hypsignathus*).....*Epomophorus (Hypsignathus) monstrosus* African Chiroptera name .....*Hypsignathus monstrosus*
	b	Shoulder-pouches well developed in males, rudimentary or quite absent in femals; lips pendulous and folded on the sides (especially in adult males), but without broad cutaneous expansions in front; molars with smooth slightly grooved crowns without cusps (Subgenus *Epomophorus*) [not keyed: *Epomophorus (Epomophorus) wahlbergii* and *Epomophorus (Epomophorus) labiatus*]..... 12
12	a	With transverse palate-ridges in front (large Epomophori). 13
	b	No transverse palate-ridges. (Small Epomophori). Muzzle much shorter and comparatively broader than in any of the preceding species; palate with a longitudinal Y-shaped groove.....*Epomophorus (Epomophorus) pusillus* African Chiroptera name ..... *Micropteropus pusillus*
13	a	Palate-ridges very prominent, no semicircular toothed ridges behind; tail very small but distinct. 14
	b	Palate-ridges less prominent, with semicircular toothed ridges behind; no tail externally. 15
14	a	Muzzle very long and slender; the fifth palate-ridge divided, with a lozenge-shaped cell in the centre..... *Epomophorus (Epomophorus) macrocephalus* African Chiroptera name .....*Hypsignathus monstrosus*

b Muzzle shorter and broader, the fifth palate-ridge simple, divided in the centre by a narrow incisor. ..... *Epomophorus (Epomophorus) gambianus*

15 a Muzzle shorter than in *E. gambianus*; the third palate-ridge developed on the sides only. ..... *Epomophorus (Epomophorus) franqueti*
African Chiroptera name ..... *Epomops franqueti*

b Muzzle short ; the third palate-ridge complete, undivided ; upper incisors (in adults) two only. ..... *Epomophorus (Epomophorus) comptus*
African Chiroptera name ..... *Epomops franqueti*

16 a Fur soft and woolly; ears generally shorter than the muzzle, more or less concealed by the long fur. Legs densely clothed as far as the ankles or backs of the feet with erect woolly hair (naked in *Pteropus molossinus* only). 17

b Fur straight, rarely woolly on the legs; ears generally as long or longer than the muzzle. 25

17 a Fur of the back nearly as long as that of the neck; ears shorter than the muzzle. . 18

b Fur of the back slightly appressed, unlike that of the neck; ears as long or longer than the muzzle. 24

18 a First upper premolar very small or deciduous; premolars and molars without prominent cusps. 19

b First upper premolar persistent, as large as one of the inner lower incisors; molars acutely tubercular; third lower premolar with an antero-internal broad projection. Ears slightly shorter than the muzzle, nearly naked; legs clothed to the ankles. Collar bright reddish brown, shoulders pale yellow; forearm 4".5. ..... *Pteropus aneiteanus*

c First upper premolar persistent, as large as (or larger than) one of the lower outer incisors; second lower premolar with an antero-internal basal projection. Ears scarcely longer than the fur of the head, nearly naked; legs naked. Collar scarcely distinguishable by colour from the fur of the back; shoulder-glands with tufts of bright yellow hairs; forearm 3".5. ..... *Pteropus molossinus*

19 a Ears very short, clothed with long hairs, and concealed by the long fur of the head; legs clothed above and beneath. 20

b Ears longer, half clothed, projecting slightly beyond the fur of the head; legs half naked beneath. 21

20 a Larger: forearm 6".2; ears narrow, acutely pointed. ..... *Pteropus vulgaris*
African Chiroptera name ..... *Pteropus niger*

b Smaller: forearm 3".7; ears shorter, obtuse; fur exceedingly fine and soft ..... *Pteropus rubricollis*
African Chiroptera name ..... *Pteropus subniger*

21 a Legs clothed as far as the ankles. 22

b Legs clothed to the base of the claws. 23

22 a Collar not well defined, passing gradually into the light-coloured fur of the back. ..... *Pteropus dasymallus*

b Collar very distinct, bright yellow or yellowish white. ..... *Pteropus formosus*

23 a Collar scarcely distinguishable by colour from the fur of the back; forearm 6".4. ..... *Pteropus pselaphon*

b Collar pale yellowish white above, very distinct; forearm 6".4. ..... *Pteropus vetulus*

24 a First upper premolar small or deciduous; molars rather narrow. Ears much longer than the muzzle, attenuated above and pointed; legs clothed above and beneath; forearm 6".2. ..... *Pteropus poliocephalus*

b First upper premolar persistent, nearly equal to one of the upper incisors in cross-section; molars very broad and strong. Ears as long as the muzzle, obtusely pointed; legs clothed, above, as far as the ankles; fur and membranes very pale-coloured; forearm 6". ..... *Pteropus leucopterus*

25 a No premolar or molar with an anterior basal projection. 26

b Molars well developed ; first upper premolar minute, generally deciduous. 35

26 a First upper premolar persistent, as large as one of the lower incisors. Fur of the back appressed, on the interfemoral and legs erect, woolly. 27

b First upper premolar minute, generally deciduous. 28

27 a Ears shorter than the muzzle; the last upper molar as large as one of the lower outer incisors; fur ferruginous brown; forearm 5".8. ..... *Pteropus rayneri*

b Ears slightly longer than the muzzle; the last upper molar very small, scarcely as large as one of the lower inner incisors; fur yellowish brown; foream 4".5. .... *Pteropus lombocensis*

28 a Fur of the back straight, directed backwards, scarcely appressed, on the interfemoral and legs similar. 29

b Fur of the back short, closely appressed (in adults); tibiæ naked or very thinly clothed with a few scattered hairs. 33

29 a Wings from the sides of the back; general colour of the fur and membranes brown. 30

b Wings from the back near the spine; fur pale-coloured, silky, generally with more or less distinct facial streaks; legs clothed to the ankles. With distinct facial streaks. 31

30 a Ears shorter than the muzzle; the concave surface of the conch thinly clothed with short hairs; tibia covered almost to the ankles; premolars and molars with posterior basal projections; forearm 5". ..... *Pteropus samoensis*

b Ears slightly longer than the muzzle, the concave surface of the conch nearly covered with soft fur, tibiæ half-clothed; premolars and molars with posterior basal projections; forearm 4".9. ..... *Pteropus rodricensis*

c Ears scarcely as long as the muzzle, naked; tibiæ clothed almost to the ankles; premolars and molars without basal projections; forearm 4".5. ..... *Pteropus brunneus*

31 a Facial streaks black or dark brown. 32

b Facial streaks white. ..... *Pteropus wallacei*

c No distinct facial streaks. Ears as long as the muzzle; forearm 4". *Pteropus temminckii*

32 a Muzzle half surrounded by a black streak behind the eyes; forearm 3".6. .... *Pteropus personatus*

b Muzzle completely surrounded by a black streak behind the eyes; forearm 4".4. ..... *Pteropus capistratus*

33 a Molars very narrow, but slightly raised above the gum; first upper premolar minute, persistent. 34

34 a Ears slightly longer than the muzzle; molars exceedingly narrow; forearm 5".4. ..... *Pteropus scapulatus*

b Ears much longer than the muzzle; molars larger; forearm 5".4. ..... *Pteropus macrotis*

35 a Wings from the back close to the spine; back generally clothed by a narrow longitudinal line of short fur, or quite naked. 36

b Wings from the sides of the back, which is covered with short appressed fur. 39

36 a Interfemoral membrane very narrow in the centre, concealed by the fur. Ears not longer thanthe muzzle, obtuse. 37

b Interfemoral wider, not concealed by the fur behind. Ears longer than the muzzle, attenuated above and acutely pointed. 38

37 a Smaller: forearm 4".5; membranes pale brown. ..... *Pteropus griseus*

b Larger: forearm 7"; membranes black. ..... *Pteropus melanopogon*

38 a Muzzle and ears shorter ; interfemoral less developed in the centre; forearm 6".5. ..... *Pteropus chrysoproctus*

b Muzzle and ears much longer; interfemoral 1 inch wide in the centre; forearm 7".2. ..... *Pteropus pteronotus*

39 a Premolars and molars without antero-intemal basal projections. 40

b The third upper premolar and first molar with more or less distinct antero-intemal basal projections. 50

40 a Interfemoral membrane well developed in the centre, not concealed by the fur. ... 41

b Interfemoral membrane narrow in the centre, nearly concealed by the long fur. 44

41 a Ears much longer than the muzzle, attenuated and acutely pointed. 42

b Ears scarcely as long as the muzzle, conical, obtusely pointed; forearm 6".5. .... *Pteropus nicohbricus*

42 a Face reddish brown. 43

b Face black. Smaller than *Pteropus medius*; forearm 6", wings nearer the spine; premolars with a small posterior basal projection. ..... *Pteropus edwardsii*
African Chiroptera name ..... *Pteropus rufus*

43 a Larger: forearm 8".8; chest and abdomen dark reddish brown or black. *Pteropus edulis*

b Smaller: forearm 6".6; chest and abdomen bright bay or pale yellowish. .... *Pteropus medius*

44 a Eyes surrounded by fur not differing in colour from that of the adjacent parts of the face. 45

b Eyes surrounded by more or less conspicuous rings of paler-coloured fur. 49
45 a Ears very broadly rounded off above. Fur deep black, with conspicuous yellow tufts over shoulder-glands. ..... *Pteropus livingstonii*
b Ears not longer than the muzzle, conical, more or less pointed. 46
c Ears much longer than the muzzle, attenuated above and acutely pointed. Fur, except on the back of the neck, very dark-coloured, thighs clothed above and beneath; forearm 6".6. ..... *Pteropus gouldii*
46 a Last upper molar with a nearly circular crown. 47
b Last upper molar narrow, much longer than broad, placed obliquely in the tooth-row. Fur dark brown, back greyish brown; forearm 5".7. ..... *Pteropus fuscus*
African Chiroptera name ..... *Pteropus niger*
47 a First upper premolar deciduous; premolars and molars without posterior basal projections. 48
b First upper premolar persistent; premolars and molars with posterior basal projections. Fur reddish brown; forearm 4".8. ..... *Pteropus tuberculatus*
48 a Larger, forearm 7"; breast and abdomen dark brown or black. ..... *Pteropus alecto*
b Smaller, forearm 5".4; breast and abdomen yellowish brown or pale reddish yellow. ..... *Pteropus hypomelanus*
49 a Ears longer than the muzzle; forearm 7". ..... *Pteropus conspicillatus*
b Ears shorter than the muzzle; forearm 5".35. ..... *Pteropus ocularis*
50 a Interfemoral membrane very narrow in the centre, concealed by the fur. 51
b Interfemoral membrane nearly one inch wide in the centre. Ears slightly longer than the muzzle, obtusely pointed, the third upper premolar and first molar with well-developed antero-internal basal projections; forearm 7".2. ..... *Pteropus jubatus*
51 a First upper premolar nearly as large as one of the inner lower incisors. Ears as long as the muzzle; forearm 5".7. ..... *Pteropus keraudrenii*
b First upper premolar deciduous. 52
52 a Ears much longer than the muzzle, acutely pointed; fur covering the sides of the face long and directed backwards; forearm 5".2. ..... *Pteropus macklotii*
b Ears slightly longer than the muzzle; fur of the sides of the face not peculiar; forearm 5".3. ..... *Pteropus caniceps*
53 a Upper lip with a wide groove in front, with sloping, not elevated margins; molars well developed. 54
b Upper lip with a narrow groove in front, with elevated rounded margins, as in *Pteropus* and *Cynopterus*. Muzzle short; molars small, scarcely raised above the level of the gum. ..... *Cynonycteris grandidieri*
54 a Wings from the sides of the back. 55
b Wings from the back near the spine. Muzzle long and narrow, fur occupying a narrow space across the loins. 60
55 a Neck (in M) with some long coarse hairs beneath scarcely forming a collar. 56
b Neck (in M) with a broad collar in front, terminating by an abrupt well-defined margin. Thumb equal to the tibia in length; forearm 2".3. ..... *Cynonycteris torquata*
African Chiroptera name ..... *Myonycteris torquata*
56 a First upper premolar persistent; ears longer than the muzzle. 57
b First upper premolar deciduous; ear not exceeding the muzzle in length. ..... *Cynonycteris brachyotis*
57 a The first upper premolar in the centre of the space between the canine and second premolar; muzzle long. 58
b The first upper premolar closely wedged in between the canine and second premolar; muzzle short. Thumb shorter than the tibia. Legs naked; forearm 2".8. ..... *Cynonycteris minor*
58 a Thumb longer than the tibia. ..... *Cynonycteris ægyptiaca*
African Chiroptera name ..... *Rousettus aegyptiacus*
b Thumb shorter than the tibia. 59
59 a Legs nearly naked; forearm 3".35. ..... *Cynonycteris amplexicaudata*
b Legs hairy; forearm 3".8. ..... *Cynonycteris collaris*
60 a Fur bright yellowish on the sides of the back and on the extremities. ..... *Cynonycteris straminea*
African Chiroptera name ..... *Eidolon helvum helvum*
b Fur pale greyish brown. ..... *Cynonycteris dupreana*

61 a Tail distinct. 62
b Tail none. Incisors $^{4}/_{2}$ (Subgenus Megærops). Ears as in Cynopterus melanocephalus; forearm 2"1. ..... *Cynopterus (Megærops) ecaudatus*
62 a Incisors $^{4}/_{4}$ (Subgenus *Cynopterus*). 63
b Incisors $^{4}/_{2}$ (Subgenus *Ptenochirus*). Molars as in *Cynopterus marginatus*; inner upper incisors much longer than the outer ones; forearm 3".1. ..... *Cynopterus (Ptenochirus) jagorii*
63 a Molars narrow, much longer than broad; upper incisors nearly equal. 64
b Molars very broad; upper incisors nearly equal. Ears not much longer than the muzzle. Fur of the head dark brown, of the body reddish brown; forearm 2".8. ..... *Cynopterus (Cynopterus) latidens*
64 a Base of the outer margin of the ear-conch straight or faintly convex. 65
b Base of the outer margin of the ear- conch forming a distinct rounded projection. Ears not much longer than the muzzle, no white margin; forearm 2".2. ..... *Cynopterus (Cynopterus) brachysoma*
65 a Ears nearly double the length of the muzzle, margined very distinctly with white. ..... *Cynopterus (Cynopterus) marginatus*
b Ears not much longer than the muzzle, no white margin. 66
66 a Fur of the head scarcely differing in colour from that covering the back; ears narrow; forearm 2".7. ..... *Cynopterus (Cynopterus) scherzeri*
b Fur of the head black, contrasting with the much lighter-coloured fur of the body; ears oval; forearm 1".7. ..... *Cynopterus (Cynopterus) melanocephalus*
67 a Family Rhinolophidæ. 68
b Family Nycteridæ. 113
c Family Vespertilionidæ. 123
d Family Emballonuridæ. 250
e Family Phyllostomidæ. 310
68 a Subfamily Rhinolophinæ, Genus *Rhinolophus* 69
b Subfamily Phyllorhininæ. 89
69 a Second upper premolar separated from the canine by a rather wide space, in the centre of which the first small premolar is placed; second lower premolar small, but distinctly visible, placed in the outer angle between the adjoining premolars, or (rarely) standing in the tooth-row. 70
b Second upper premolar close to the canine, the first small premolar either quite external to the tooth-row or wedged in between the canine and second premolar; second lower premolar very small, generally with difficulty distinguished, always external to the tooth-row. 86
70 a Central nose-leaf or sella not united with the terminal portion of the nose-leaf, the posterior extremity of the connecting process being received into a concavity in the front surface of the terminal lancet-shaped leaf. Antitragus large, separated posteriorly by a deep angular notch; forearm 1".85. ..... *Rhinolophus cœlophyllus*
b Central nose-leaf or sella united posteriorly by a laterally flattened band (the posterior connecting-process) with the upper and front surface of the base of the terminal nose-leaf. 71
71 a Horizontal portion of the sella expanded, much wider than the base of its vertical process. 72
b Horizontal portion of the sella not expanded, scarcely wider than the base of its vertical process. 75
72 a Sides of the base of the sella folded inwards and backwards. 73
b Sides of the base of the sella turned upwards, forming a cup-shaped cavity above and between the nasal orifices. 74
c Sides of the base of the sella forming rather long triangular projections. Horseshoe-shaped membrane divided in front by a longitudinal groove with raised edges; forearm 2".2. ..... *Rhinolophus euryotis*
73 a Summit of the vertical process of the sella broadly rounded off or truncated; forearm 2".9. ..... *Rhinolophus luctus*
b Summit of the vertical process of the sella narrowly rounded off or subacute; forearm 2". ..... *Rhinolophus trifoliatus*
74 a Antitragus separated posteriorly by a shallow notch ; lower lip with a single groove; forearm 2".25. ..... *Rhinolophus mitratus*

b Antitragus separated by a deep angular groove; lower lip with three grooves; forearm 1".85. ..... *Rhinolophus philippinensis*

75 a Upper margin of the posterior connecting-process of the sella conjoined with the summit of the vertical process at the same level, not exceeding it posteriorly in height. 76

b Upper margin of the posterior connecting-process exceeding the summit of the anterior vertical process in height. 77

76 a Vertical process of the sella narrowed abruptly about the middle and rounded off above; lower lip with a single vertical groove; forearm 2".2. ..... *Rhinolophus pearsonii*

b Sides of the vertical process of the sella straight, summit triangular; lower lip with three grooves; forearm 2".1. ..... *Rhinolophus rufus*

77 a Upper margin of the posterior connecting-process forming a low rounded projection, slightly exceeding the summit of the vertical process of the sella in height. 78

b Upper margin of the posterior connecting-process forming a more or less acute projection, exceeding considerably the summit of the vertical process of the sella in height. 81

78 a Vertical process of the sella broad, as broad as the horizontal portion above the nostrils. Ears longer than the head; forearm 1".6. ..... *Rhinolophus macrotis*

b Vertical process of the sella narrower than the horizontal portion. 79

79 a Ears as long as the head. Horseshoe-shaped nose-leaf broad, concealing the muzzle; forearm 1".9, thumb 0".3. ..... *Rhinolophus megaphyllus*

b Ears shorter than the head. 80

80 a Horseshoe-shaped nose-leaf broad, concealing the muzzle; forearm 2".05, thumb 0".45. ..... *Rhinolophus andamanensis*

b Horseshoe-shaped nose-leaf leaving the sides of the muzzle uncovered; forearm 2".1, thumb 0".35. ..... *Rhinolophus affinis*

81 a Sides of the vertical process of the sella parallel, summit broadly rounded off. 82

b Sides of the vertical process of the sella converging upwards. 85

c Sides of the vertical process of the sella concave. Antitragus separated posteriorly by a shallow notch. Wings from the ankles or tibiæ; forearm 1".7. .. *Rhinolophus landeri*

82 a Antitragus separated posteriorly by a deep angular notch. 83

b Antitragus separated posteriorly by a shallow notch. Wings from the tibiæ above the ankles; forearm 1".8. ..... *Rhinolophus euryale*

83 a Terminal process of the posterior nose-leaf short and narrow. 84

b Terminal process of the posterior nose-leaf broad, forming an equilateral triangle. Wings from the ankles; forearm 1".3. ..... *Rhinolophus garoensis*

84 a Wings from the metatarsi or from base of the toes; forearm 1".9. .... *Rhinolophus acuminatus*

b Wings from the ankles; forearm 2". ..... *Rhinolophus petersii*

c Wings from the ankles; forearm 1".5. ..... *Rhinolophus minor*

85 a Antitragus separated posteriorly by a shallow notch. Wings from the ankles; forearm 1".8. ..... *Rhinolophus blasii*

b Antitragus separated posteriorly by a deep angular notch. Wings from the ankles; forearm 1".5. ..... *Rhinolophus hipposideros*

86 a Ears not attenuated near their extremities; first upper premolar wedged in between the canine and second premolar, or half external. 87

b Ears attenuated near their extremities ; first upper premolar quite external to the tooth-row. 88

87 a Ears much shorter than the head; forearm 1".75. ..... *Rhinolophus clivosus*

b Ears as long or longer than the head; forearm 1".9. ..... *Rhinolophus capensis*

88 a Ears shorter than the head, obtusely pointed; horeshoe-shaped noseleaf broad, concealing the muzzle; forearm 2".2. ..... *Rhinolophus æthiops*
African Chiroptera name ..... *Rhinolophus fumigatus*

b Ears shorter than the head, very acutely pointed; horseshoe small, not concealing the sides of the muzzle; forearm 2".25. ..... *Rhinolophus ferrum-equinum*
African Chiroptera name ..... *Rhinolophus ferrumequinum*

89 a Horizontal anterior nose-leaf horseshoe-shaped; metacarpal bone of index finger equal to or scarcely exceeding the metacarpal of the third finger in length. 90

b Horizontal anterior nose-leaf lobate; metacarpal bone of the index finger very long, extending to the first phalanx of the middle finger (Genus Cœlops). ..... *Cœlops frithii*

90 a Centre of the upper surface of the horseshoe supporting the base of a horizontal crest extending backwards between and above the nasal apertures. 91
b Centre of the upper surface of the horseshoe uncovered; no horizontal crest extending backwards between and above the nasal apertures (Genus *Phyllorhina*). 92
91 a Outer margin of the ear commencing near the posterior commissure of the eyelids (Genus *Triænops*). ..... *Triænops persicus and Triænops afer*
b Outer margin of the ear commencing at a point distant from and on a much lower level than the eye (Genus *Rhinonycteris*)..... *Rhinonycteris aurantia*
92 a Upper margin of the terminal erect portion of the nose-leaf tridentate ; no frontal glandular sac (Subgenus *Asellia*)..... 93
b Upper margin of the terminal erect nose-leaf undivided; with or without a frontal sac (Subgenus *Phyllorhina*) 95
93 a Processes of the terminal nose-leaf thickened; extremity of the tail projecting considerably. 94
b Processes of the terminal erect nose-leaf not thickened; extremity of the tail projecting slightly. Premolars $^{2-2}/_{2-2}$; ears broad; forearm 1".5.*Phyllorhina (Asellia) stoliczkana*
94 a Premolars $^{1-1}/_{2-2}$ (in adults); ears broad; forearm 1".75...*Phyllorhina (Asellia) tridens*
African Chiroptera name .....*Asellia tridens*
b Premolars $^{2-2}/_{2-2}$; ears narrow; forearm 1".6.....*Phyllorhina (Asellia) tricuspidata*
95 a Ears separate; premolars $^{2-2}/_{2-2}$. 96
b Ears united by a low band; premolars $^{1-1}/_{2-2}$. Ears ovate (as in *Phyllorhina bicolor*, var. *fulva*); calcaneum shorter than the foot; forearm 1".4. ... *Phyllorhina (Phyllorhina) megalotis*
African Chiroptera name .....*Hipposideros megalotis*
96 a With secondary cutaneous leaflets on the sides of the muzzle external to the horseshoe..... 98
b No secondary cutaneous leaflets on the sides of the muzzle external to the horseshoe. Frontal glandular sac distinct in males, opening transversely..... 109
97 a With a large frontal glandular sac opening longitudinally behind the nose-leaf; ears narrow, attenuated upwards; interfemoral membrane short. 98
b Frontal glandular sac opening transversely or none; ears broad, not attenuated above; interfemoral membrane well developed. 99
98 a Terminal erect nose-leaf with a central club-shaped process, and a similar process from the centre of the sella beneath; forearm 2".45. *Phyllorhina (Phyllorhina) cyclops*
African Chiroptera name .....*Doryrhina cyclops*
b No processes from the nose-leaf; forearm 4".45.*Phyllorhina (Phyllorhina) commersonii*
African Chiroptera name ..... *Macronycteris commersoni*
99 a Terminal erect leaf narrower than the horseshoe. Frontal glandular sac well developed..... 100
b The terminal erect leaf wider than the horseshoe. 101
100 a Upper margin of the erect leaf sinuate, front surface with three prominent vertical ridges; forearm 3".8. ..... *Phyllorhina (Phyllorhina) armigera*
b Upper margin of the erect leaf convex or straight, vertical ridges in front not well defined; forearm 2".45. ..... *Phyllorhina (Phyllorhina) leptophylla*
101 a No frontal sac. 102
b Frontal sac distinct in males. 105
102 a Front concave surface of the terminal erect leaf divided by one or more vertical ridges. 103
b Front concave surface of the terminal leaf not divided by vertical ridges. With two secondary leaflets external to the horseshoe. Wings from the ankles; forearm 1".95. ..... *Phyllorhina (Phyllorhina) fuliginosa*
African Chiroptera name ..... *Hipposideros fuliginosus*
103 a With three secondary leaflets external to the horseshoe. 104
b With two secondary leaflets external to the horseshoe. Wings from the tarsus; forearm 1"45. ..... *Phyllorhina (Phyllorhina) pygmæa*
104 a Wings from the ankles; forearm 3".4. ..... *Phyllorhina (Phyllorhina) diadema*
b Wings from the metatarsus; forearm 2".6. ..... *Phyllorhina (Phyllorhina) nicobarensis*

105 a Front concave surface of the terminal leaf not divided by vertical ridges. With two secondary leaflets external to the horseshoe. Wings from the tarsus; forearm 1".85. ..... *Phyllorhina (Phyllorhina) caffra*
African Chiroptera name ..... *Hipposideros caffer*
b Front concave surface of the terminal leaf divided by three more or less distinct vertical ridges. 106
106 a With two secondary leaflets external to the horseshoe; thumb and foot very small. Wings from the tarsus or metatarsus. 107
b With three secondary leaflets external to the horseshoe; thumb and foot moderately large..... 108
107 a Horseshoe as wide in front as in the middle; forearm 1".75; calcaneum 0".3. ..... *Phyllorhina (Phyllorhina) galerita*
b Horseshoe much narrower in front than behind; forearm 1".75; calcaneum 0".45. ..... *Phyllorhina (Phyllorhina) cervina*
108 a Ears much shorter than the head; lower third of the outer margin of the ear-conch with an acute spine-like projection; last osseous caudal vertebra projecting abruptly; forearm 2"..... *Phyllorhina (Phyllorhina) speoris*
b Ears nearly as long as the head; no spine-like projection from the margin of the ear-conch; tail almost wholly contained within the wing-membrane; forearm 2".45. ..... *Phyllorhina (Phyllorhina) larvata*
109 a Front concave surface of the terminal erect leaf not divided by vertical ridges. ... 110
b Front concave surface of the erect leaf divided by three more or less distinct vertical ridges..... 112
110 a Upper margin of the erect noseleaf thin. 111
b Upper margin of the erect noseleaf thickened, as in *Phyllorhina diadema*. Ears shorter than the head, rounded off above; forearm 1".8. .... *Phyllorhina (Phyllorhina) coronata*
111 a Ears as long as the head; ear-conch with a spine-like projection, as in *Phyllorhina speoris*; forearm 1".8. ..... *Phyllorhina (Phyllorhina) obscura*
b Ears shorter than the head; no spine-like projection from the margin of the ear-conch; forearm 1".3..... *Phyllorhina (Phyllorhina) doriæ*
112 a Ears triangular, obtusely pointed; calcaneum much longer than the foot; forearm 2". ..... *Phyllorhina (Phyllorhina) calcarata*
b Ears ovate, broadly rounded off above; calcaneum not longer than the foot; forearm 1".55. ..... *Phyllorhina (Phyllorhina) bicolor*
113 a Subfamily Megaderminæ. Genus *Megaderma*. 114
b Subfamily Nycterinæ. Genus *Nycteris*. 117
114 a Premolars $^{2-2}/_{2-2}$; frontal bones slightly flattened, with or without small postorbital processes (Oriental Region). 115
b Premolars $^{1-1}/_{2-2}$; frontal bones much flattened, with more or less large postorbital processes (Ethiopian Region). 116
115 a Base of the central longitudinal crest of the nose-leaf expanded above, cordiform; no postorbital processes (Subgenus *Megaderma*). ...*Megaderma (Megaderma) spasma*
b Base of the central longitudinal crest of the nose-leaf circular; postorbital processes small (Subgenus *Lyroderma*). .....*Megaderma (Lyroderma) lyra*
116 a Base of the central longitudinal crest of the nose-leaf expanded, cordiform; frontal bones considerably flattened and grooved, with well-developed postorbital processes (Subgenus *Cardioderma*). .....*Megaderma (Cardioderma) cor*
African Chiroptera name ..... *Cardioderma cor*
b Base of the central longitudinal process irregularly quadrate; centre of the anterior margin of the horizontal leaf bent upwards, forming a prominent projection in front; frontal bones much flattened and grooved, with large postorbital processes. (Subgenus *Lavia*). .....*Megaderma (Lavia) frons*
African Chiroptera name .....*Lavia frons*
117 a The tragus reaches its greatest width opposite the base of its inner margin. Inner margin of the tragus concave..... 118
b Tragus expanded above, reaching its greatest width opposite the middle of its inner margin; ears much longer than the head. 121
118 a Upper incisors trifid; ears scarcely longer than the head. 119
b Upper incisors bifid ; ears considerably longer than the head. 120

119 a Second lower premolar minute, in the tooth-row; forearm 1 $^{1}/_{2}$ inch... *Nycteris hispida*
b Second lower premolar one third the size of the first; forearm 2 $^{1}/_{4}$ inches. .... *Nycteris grandis*
120 a Second lower premolar two thirds the size of the first, in the tooth-row. .... *Nycteris javanica*
b Second lower premolar minute, half internal to the tooth-row..... *Nycteris æthiopica* African Chiroptera name ..... *Nycteris macrotis*
121 a Inner margin of the tragus straight. Upper incisors bifid. Second lower premolar minute, half internal to the tooth-row. ..... *Nycteris macrotis*
b Inner margin of the tragus convex. Upper mcisors bifid..... 122
122 a Second lower premolar minute, quite internal to the tooth-row..... *Nycteris thebaica*
b Second lower premolar minute, in the tooth-row. ..... *Nycteris capensis* African Chiroptera name ..... *Nycteris thebaica*
123 a Crown of the head flat or slightly raised above the face-line; upper incisors close to the canines. 124
b Crown of the head greatly elevated above the face-line; upper incisors separated from the canines, and also in front (Group III. Miniopteri). 136
124 a Nostrils margined behind by rudimentary nose-leaves, or by grooves on the upper surface of the muzzle; ears generally very large; forehead grooved (Group I. Plecoti). 125
b Nostrils simple, opening by crescentic or circular apertures at the extremity of the muzzle; ears generally moderate; forehead not grooved (Group II. Vespertiliones). 129
125 a A small or rudimentary nose-leaf above the nasal apertures; incisors $^{1-1}/_{4}$ or $^{1-1}/_{3}$. 126
b No nose-leaf; nostrils in front of grooves on the upper surface of the muzzle; ears very large..... 127
126 a Incisors $^{1-1}/_{4}$; margins of the nasal apertures continuous with the rim of a small disk above; ears separate (Genus *Antrozous*). ..... *Antrozous pallidus*
b Incisors $^{1-1}/_{6}$; a small nose-leaf above and behind the nasal apertures; ears united (Genus *Nyctophilus*). ..... *Nyctophilus timoriensis*
127 a Incisors $^{2-2}/_{6}$; ears united. 128
b Incisors $^{1-1}/_{6}$; ears separate. Premolars $^{1-1}/_{2-2}$; outer margin of the ear-conch terminating near the angle of the mouth (Genus *Otonycteris*). . *Otonycteris hemprichii*
128 a Premolars $^{2-2}/_{2-2}$; outer margin of the ear-conch carried forwards above the mouth and in front of the eye (Genus *Synotus*). .... *Synotus barbastellus and Synotus darjelingensis*
b Premolars $^{2-2}/_{3-3}$; outer margin of the ear-conch terminating near the angle of the mouth (Genus *Plecotus*)..... 138
129 a The outer margin of the ear-conch commences near the angle of the mouth; ears generally shorter than the head, triangular or rhomboidal in outline; tragus curved inwards or straight; muzzle nearly naked in front of the eyes, with well-developed glandular eminences; upper premolars not exceeding 2 - 2, the first premolar minute or absent. 130
b The outer margin of the ear-conch commences abruptly nearly opposite the base of the inner margin of the tragus; ears generally as long or longer than the head, narrow, thin ; tragus long and narrow, straight or curved outwards; muzzle narrow and hairy in front; upper premolars generally 3 - 3, the first premolar well developed. 134
130 a Premaxillary bones moderately developed, occupying half the space between the canines; upper inner incisors bifid, separated from the canines by a space; inc $^{2-2}/_{6}$, rarely $^{1-1}/_{6}$..... 131
b Premaxillary bones very narrow, slender; upper incisors unicuspidate, close to the canines 132
131 a No lobular projection from the lower lip near the angle of the mouth; tibiæ short (Genus *Vesperugo*). 139
b A distinct lobular projection near the angle of the mouth; tibiæ long (Genus *Chalinolobus*). 180
132 a The first lower premolar small, crushed in between the canine and second premolar; membranes thick, nearly naked (Genus *Scotophilus*). 186
b The first lower premolar not crushed in between the adjoining teeth; membranes thin. 133

133 a Tragus straight, outer margin convex; interfemoral membrane nearly naked (Genus *Nycticejus*). ..... *Nycticejus crepuscularis*
b Tragus curved inwards, outer margin strongly angular below; interfemoral membrane more or less completely covered with hair (Genus *Atalapha*)..... 192
134 a Nostrils tubular, projecting considerably beyond the extremity of the muzzle; premolars $^{2-2}/_{2-2}$ (Genus *Harpiocephalus*). 196
b Nostrils simple, scarcely projecting; premolars $^{3-3}/_{3-3}$. 135
135 a Nasal apertures crescentic; first and second upper premolars much smaller than the third (Genus *Vespertilio*)..... 201
b Nasal apertures circular; first and second upper premolars nearly equal to the third (Genus *Kerivoula*). 238
136 a Premolars $^{3-3}/_{3-3}$..... 137
b Premolars $^{2-2}/_{3-3}$ (Genus *Miniopterus*). 247
137 a Base of thumbs and soles of feet simple (Genus *Natalus*). 246
b Base of thumbs and soles of feet with adhesive disks (Genus *Thyroptera*). .... *Thyroptera tricolor*
138 a Nostrils in front of naked semilunate grooves on the upper surface of the muzzle (Palcearctic Region) (Subgenus *Plecotus*). ..... *Plecotus (Plecotus) auritus*
b Nostrils in front of narrow grooves concealed by the greatly enlarged glandular prominences arising from the sides of the muzzle (Nearctic Region) (Subgenus *Corinorhinus*). ..... *Plecotus (Corinorhinus) macrotis*
139 a Incisors $^{2-2}/_{6}$. 140
b Incisors $^{2-2}/_{2-2}$..... 143
140 a Outer upper incisors well developed, or if small, yet distinct; no bone in the penis. 141
b Outer upper incisors very small, scarcely raised above the gum, occasionally posterior to the tooth-row; penis with a distinct bone. Premolars $^{1-1}/_{2-2}$ (Subgenus *Hesperoptenus*). 178
141 a Lower premolars 2 - 2. 142
b Lower premolars 3 - 3 (Subgenus *Lasionycteris*). .... *Vesperugo (Lasionycteris) noctivagans*
142 a Upper premolars 1 - 1 (Subgenus *Vesperus*). 144
b Upper premolars 2 - 2 (Subgenus *Vesperugo*). 161
143 a Premolars $^{1-1}/_{2-2}$ (Subgenus *Rhogeëssa*)..... *Vesperugo (Rhogeëssa) parvulus*
b Premolars $^{2-2}/_{2-2}$ (Subgenus *Scotozous*). .... *Vesperugo (Scotozous) dormeri and Vesperugo (Scotozous) schlieffeni*
144 a Thumbs and soles of the feet simple, without adhesive cushions. 145
b Base of the thumbs and soles of the feet with broad adhesive cushions. Crown of the head remarkably flattened; ears shorter than the head; tragus as in *Vesperugo minutus*; forearm 1"1. ..... *Vesperugo (Vesperus) pachypus*
145 a Ears longer than the head, auditory bullæ osseæ very large. Tragus long, attenuated upwards and inclined outwards, reaching its greatest width below the middle of its outer convex (Genus *Histiotus*, Gervais). 146
b Ears shorter than the head; auditory bullæ osseæ moderate. 149
146 a Ears very much longer than the head, united across the forehead by a distinct band. 147
b Ears scarcely longer than the head, not united.. *Vesperugo (Vesperus) magellanicus*
147 a Ears triangular; inner margin of the ear-conch very convex in the lower third. Ears more than one third longer than the head, united by a deep band; the last two caudal vertebræ free; forearm 2". ..... *Vesperugo (Vesperus) velatus*
b Ears oval; inner margin of the ear-conch moderately convex throughout. 148
148 a Ears nearly double the length of the head, united by a deep band; the last and the antepenultimate caudal vertebræ free; forearm 1".8. *Vesperugo (Vesperus) macrotus*
b Ears about one third longer than the head, united by a low band; tail and forearm as in the preceding species. ..... *Vesperugo (Vesperus) montanus*
149 a Tragus moderately long, reaching its greatest width slightly above the base of its inner margin; postcalcaneal lobe very narrow or absent. 150
b Tragus rather short, reaching its greatest width about the middle of its inner margin, not curved inwards, inner margin straight; post-calcaneal lobe distinct. Inner upper incisor on each side with a distinct external second cusp at or near its extremity. 156

c Tragus rather short, expanded above, reaching its greatest width slightly above the middle of its inner margin, not curved inwards, inner margin straight; postcalcaneal lobe distinct. Inner upper incisor on each side with a distinct external second cusp.. 159

d Tragus short, expanded above and curved inwards. Inner upper incisor on each side with a distinct external second cusp at or near its extremity. Outer upper incisor on each side very short, unicuspidate, scarcely exceeding the cingulum of the inner incisor in vertical extent. 160

150 a Inner upper incisors with a small external cusp or projection near their extremities, disappearing as the teeth become worn. 151

b Inner upper incisors unicuspidate. 155

151 a Outer upper incisors minute, close to and slightly in front of the inner incisors; one or more caudal vertebræ quite free from the interfemoral membrane. 152

b Outer upper incisors minute, close to and quite external to the inner incisors; half the last caudal vertebra free. 153

152 a The ears laid forwards extend more than midway between the eyes and the end of the muzzle; last two caudal vertebræ free; forearm 2".25. *Vesperugo (Vesperus) serotinus*

b The ears laid forwards extend slightly beyond the eyes; last caudal vertebra free; forearm 2".15. ..... *Vesperugo (Vesperus) andersoni*

c The ears laid forwards extend almost as far as the end of the muzzle; the last caudal vertebra and half the antepenultimate vertebra free; forearm 1".45. .... *Vesperugo (Vesperus) hilarii*

153 a Muzzle broad and flattened in front, nostrils opening by oblique slits. Ears much shorter than the head; forearm 1".35. ..... *Vesperugo (Vesperus) platyrhinus*

b Muzzle as in *Vesperugo serotinus*; ears much shorter than the head. 154

154 a Smaller; forearm 1".15. ..... *Vesperugo (Vesperus) minutus*
African Chiroptera name ..... *Neoromicia capensis*

b Larger; forearm 1".4 - 1".6. ..... *Vesperugo (Vesperus) capensis*
African Chiroptera name ..... *Neoromicia capensis*

155 a Outer upper incisors as in *Vesperugo minutus*. The ears laid forwards extend slightly beyond the eyes; last caudal vertebra free; forearm 2". .... *Vesperugo (Vesperus) megalurus*
African Chiroptera name ..... *Eptesicus hottentotus*

b Outer upper incisors as in *Vesperugo serotinus*. The ears laid forwards extend more than midway between the eyes and the extremity of the muzzle, which projects far beyond the lower lip; fur white beneath; forearm 1".45. .... *Vesperugo (Vesperus) nasutus*

156 a Outer upper incisors very short, unicuspidate ; tail almost wholly included in the interfemoral membrane; ears much shorter than the head. 157

b Outer upper incisor on each side nearly as long as the outer cusp of the inner incisor; lower incisors in the direction of the jaws; ears much shorter than the head. 158

c Outer upper incisors on each side longer than the outer cusp of the inner incisor; lower incisors at right angles to the direction of the jaws; ears much shorter than the head. The last two caudal vertebræ free; forearm 1".6. .... *Vesperugo (Vesperus) borealis*

157 a Wing-membranes and fur beneath pure white; forearm 1".15. *Vesperugo (Vesperus) tenuipinnis*
African Chiroptera name ..... *Neoromicia tenuipinnis*

b Wing-membranes and fur brown; forearm 1".2. ..... *Vesperugo (Vesperus) pumilus*

158 a Half the last caudal vertebra free; forearm 1".25. .. *Vesperugo (Vesperus) grandidieri*
African Chiroptera name ..... *Pipistrellus grandidieri*

b The last two caudal vertebræ free; forearm 1".6.. *Vesperugo (Vesperus) propinquus*

159 a Outer upper incisor on each side nearly as long as the outer cusp of the inner incisor. Ears shorter than the head, the last osseous caudal vertebra quite free. Fur yellowish white on the upper surface; forearm 1".6. ..... *Vesperugo (Vesperus) discolor*

b Outer upper incisors minute. Ears very nearly as long as the head; the last rudimentary caudal vertebra alone free. Ears oval; fur deep black; forearm 1".7. ..... *Vesperugo (Vesperus) atratus*

160 a Outer margin of the ear-conch terminating near the angle of the mouth; fur brown above and beneath; forearm 1".6. ..... *Vesperugo (Vesperus) pachyotis*

b Outer margin of the ear-conch terminating beneath the lower jaw; chin and throat pure white; forearm 1".65. ..... *Vesperugo (Vesperus) albigularis*

161 a Thumb and feet simple, without adhesive cushions. Wings from the ankles or from the tibiæ higher up. 162

b Base of the thumbs and soles of the feet with adhesive cushions ; outer margin of the ear-conch terminating- in a very distinct lobe. 177

162 a Tragus expanded above and curved inwards, reaching its greatest width above the middle of its inner margin. Inner margin of the tragus deeply concave. 163

b Tragus not expanded above, reaching its greatest width about the middle of its inner margin. 165

c The tragus reaches its greatest width slightly above the base of its inner margin. 168

163 a Wings from the ankles; the extreme tip of the tail alone projecting from the interfemoral membrane; postcalcaneal lobe well developed. 164

b Wings from the tibiæ; the extreme tip of the tail alone projecting; postcalcaneal lobe well developed. Fur unicoloured; incisors as in *Vesperugo noctula*; forearm 1".55. ..... *Vesperugo (Vesperugo) stenopterus*

164 a Fur unicoloured above; upper outer incisors double the size of the inner incisors in cross section at the base; lower incisors at right angles to the direction of the jaws; forearm 2" to 2".8. ..... *Vesperugo (Vesperugo) noctula*

b Fur bicoloured above; upper outer incisors equal to the inner incisors in cross section at the base; lower incisors in the direction of the jaws; forearm 1".8. ..... *Vesperugo (Vesperugo) leisleri*

African Chiroptera name ..... *Nyctalus leisleri*

165 a Inner margin of the tragus deeply concave. Wings from the base of the toes; the extreme tip of the tail along free; postcalcaneal lobe small. Tragus crescent-shaped; upper outer incisors half the length of the inner incisors, but less than half their transverse diameter at the base; forearm 1".35... *Vesperugo (Vesperugo) imbricatus*

b Inner margin of the tragus straight or faintly concave. Wings from the base of the toes; last osseous caudal vertebra free. 166

166 a Outer upper incisors as long as (or slightly longer than) the outer cusp of the inner incisor; postcalcaneal lobe small. 167

b Outer upper incisors very short, as in *Vesperugo serotinus*; no postcalcaneal lobe. Fur above deep black, the extremities of some hairs bright ferruginous; forearm 1".5. ..... *Vesperugo (Vesperugo) circumdatus*

c Upper incisors as in *Vesperugo noctula*; postcalcaneal lobe well developed. Fur dark reddish brown above and beneath; lower incisors in the direction of the jaws; forearm 1".5. ..... *Vesperugo (Vesperugo) indicus*

167 a Outer margin of the ear convex in lower half, concave above; fur above deep black; forearm 1".35 to 1".6. ..... *Vesperugo (Vesperugo) maurus*

b Outer margin of the ear straight; fur above brown; forearm 1".55. ..... *Vesperugo (Vesperugo) affinis*

168 a Wings from the tarsi; extremity of the tail scarcely projecting. Outer upper incisor on each side not equaling the outer cusp of the inner incisor in vertical extent, and considerably less than it in cross section. Wings very short; the first upper premolar visible from without; forearm 1".5. ..... *Vesperugo (Vesperugo) brachypterus*

b Wings fro the base of the toes. 169

169 a Postcalcaneal lobe distinct, generally well developed. 170

b No postcalcaneal lobe. 174

170 a Outer upper incisor on each side not equaling the outer cusp of the inner incisor in vertical extent. 171

b Outer upper incisor slightly exceeding the outer cusp of the inner incisor in vertical extent. Outer margin of the ear-conch straight; forearm 1'"35. ..... *Vesperugo (Vesperugo) abramus*

c Outer upper incisors minute. 172

171 a Outer margin of the ear-conch deeply concave above; forearm 1".25. ..... *Vesperugo (Vesperugo) pipistrellus*

African Chiroptera name ..... *Pipistrellus pipistrellus*

b Outer margin of the ear-conch straight or faintly concave above; forearm 1".15. ..... *Vesperugo (Vesperugo) tenuis*

172 a Tragus obtuse, inner margin straight. 173

b Tragus attenuated upwards, acutely pointed, and curved inwards. Postcalcaneal lobe narrow; forearm 1".9. ..... *Vesperugo (Vesperugo) krefftii*

173 a Upper third of the outer margin of the ear-conch slightly concave; tail much shorter than the head and body; interfemoral and part of the wing-membrane behind margined with white; forearm 1".35. ..... *Vesperugo (Vesperugo) kuhlii*
African Chiroptera name ..... *Pipistrellus kuhlii*

b Upper third of the outer margin of the ear-conch deeply emarginated; tail as long as the head and body; no white margin to the membranes; forearm 1.3. .... *Vesperugo (Vesperugo) maderensis*
African Chiroptera name ..... *Pipistrellus maderensis*

174 a Outer upper incisors minute. 175

b Outer upper incisors as long or nearly as long as the inner incisors. 176

175 a Lower incisors in the direction of the jaws; forearm 1".35. .... *Vesperugo (Vesperugo) pulcher*
African Chiroptera name ..... *Pipistrellus rueppellii pulcher*

b Lower incisors at right angles to the direction of the jaws; forearm 1".15. .. *Vesperugo (Vesperugo) temminckii*
African Chiroptera name ..... *Pipistrellus rueppellii*

176 a Outer upper incisor on each side parallel and close to the inner incisor; extreme tip of the tail projecting; forearm 1".8. ..... *Vesperugo (Vesperugo) annectens*

b Outer upper incisor on each side directed vertically downwards, separated from the inner incisor, which is inclined inwards; the last osseous caudal vertebra quite free: forearm 1"35. ..... *Vesperugo (Vesperugo) georgianus*

177 a Outer margin of the ear-conch terminating in a round lobe; tragus with a small tooth-like projection at the base; outer incisors very short; forearm 1".2. ..... *Vesperugo (Vesperugo) tylopus*

b Outer margin of the ear-conch terminating in a square lobe; tragus without a projection at the base; outer incisors nearly as long as the inner ones; forearm 1"2. .... *Vesperugo (Vesperugo) nanus*
African Chiroptera name ..... *Neoromicia nana*

178 a Outer upper incisors in the tooth-row. Base of the thumbs simple, without adhesive cushions; forearm 1".4, tibia 0".7. ..... *Vesperugo (Hesperoptenus) doriæ*

b Outer upper incisors quite posterior to the tooth-row. 179

179 a Base of the thumbs simple, without adhesive cushions; forearm 2".2, tibia 0".9. ..... *Vesperugo (Hesperoptenus) tickelli*

b Base of the thumbs with broad adhesive cushions; forearm 1"01, tibia 0"045 ..... *Vesperugo (Hesperoptenus) blanfordi*

180 a Premolars $^{2-2}/_{2-2}$, first upper premolar minute (Hab. Australia, Tasmania, and New Zealand) (Subgenus *Chalinolobus*). 181

b Premolars $^{1-1}/_{2-2}$; the single upper premolar large, close to the canine (Hab. Southern and Equatorial Africa) (Subgenus *Glauconycteris*). 184

181 a Internal basal lobe of the ear not forming a distinct lobule at the base projecting backwards. 182

b Internal basal lobe of the ear forming a distinct lobule at the base, projecting backwards. 183

182 a With a transverse cutaneous process on the face between the eyes; forearm 1".4 ..... *Chalinolobus (Chalinolobus) signifer*

b No cutaneous process on the face; forearm 1".55. .... *Chalinolobus (Chalinolobus) tuberculatus*

183 a Outer margin of the ear terminating in front in a pendent lobule; forearm 1".8 in adults. ..... *Chalinolobus (Chalinolobus) gouldii*

b Outer margin of the ear terminating in a horizontal lobule; forearm 1".35 in adults. ..... *Chalinolobus (Chalinolobus) nigrogriseus*

184 a Wing-membranes brown, unicoloured. Internal basal lobe of the ear commencing in a short obtuse lobule; lower incisors in the direction of the jaw; forearm 1".65. ..... *Chalinolobus (Glauconycteris) poensis*
African Chiroptera name ..... *Glauconycteris poensis*

b Wing-membranes dusky white, traversed by well-defined reticulations. 185

185 a Internal basal lobe of the ear commencing in a long narrow lobule projecting backwards; lower incisors in the direction of the jaw; forearm 1".7. .... *Chalinolobus (Glauconycteris) argentatus*
African Chiroptera name ..... *Glauconycteris argentata*
b Internal basal lobe of the ear commencing in a short obtuse lobule; lower incisors at right angles to the direction of the jaw; forearm 1".55. .... *Chalinolobus (Glauconycteris) variegatus*
African Chiroptera name ..... *Glauconycteris variegata*
186 a Internal basal lobe of the ear angular, inferior margin straight, forming with the ascending margin almost a right angle; tragus with a narrow prominent ridge passing across its front surface from the base of its inner margin. Upper incisors close to canines; premaxillary bones very narrow, leaving a wide space between them in front, nasal opening very large. (Subgenus *Scotophilus*). 187
b Internal basal lobes of the ear convex, evenly rounded; front surface of the tragus smooth (Subgenus *Scoteinus*). 189
c Upper incisors separated from the canines by a short space; premaxillary bones more developed ; nasal opening small. Cingulum of the upper incisors with a distinct cusp posteriorly; forearm 2".35 (Subgenus *Scotomanes*). .... *Scotophilus (Scotomanus) ornatus*
187 a Cingulum of the upper incisors very narrow. Forearm 2".3 - 2".45. .... *Scotophilus (Scotophilus) temminckii*
b Cingulum of the upper incisors forming: a broad horizontal shoulder behind. 188
188 a Forearm 2"..... *Scotophilus (Scotophilus) borbonicus*
African Chiroptera name ..... *Scotophilus borbonicus*
b Forearm 3".4..... *Scotophilus (Scotophilus) gigas*
African Chiroptera name ..... *Scotophilus nigrita*
189 a Ears nearly as long as the head, internal basal lobe commencing in a long lobule projecting backwards; forearm 2".2. ..... *Scotophilus (Scoteinus) emarginatus*
b Ears much shorter than the head, internal basal lobe commencing in a short lobule. 190
190 a Cingulum of the upper incisors with a small cusp posteriorly; forearm 2"..... ..... *Scotophilus (Scoteinus) rueppellii*
b Cingulum of the upper incisors without a posterior cusp. 191
191 a Lower incisors at right angles to the direction of the jaws; forearm 1".2. .... *Scotophilus (Scoteinus) greyii*
b Lower incisors at right angles to the direction of the jaws; forearm 1".4. .... *Scotophilus (Scoteinus) pallidus*
192 a Premolars $^{2-2}/_{2-2}$; the whole upper surface of the interfemoral membrane clothed with hair (Subgenus *Atalapha*). 193
b Premolars $^{1-1}/_{2-2}$; the posterior half or third of the interfemoral membrane naked (Subgenus *Dasypterus*). 194
193 a Forearm quite naked; fur reddish ashy. ..... *Atalapha (Atalapha) noveboracensis*
b Forearm with a small patch of hairs near the elbow; fur generally brownish ashy. ..... *Atalapha (Atalapha) cinerea*
194 a The posterior third of the interfemoral naked. 195
b The posterior half of the interfemoral naked. Tragus subacute, curved inwards; fur pale yellowish brown. ..... *Atalapha (Dasypterus) ega*
195 a Tragus obtuse, curved inwards; fur olive-brown. ... *Atalapha (Dasypterus) intermedia*
b Tragus subacute, straight, the tip only curved inwards; fur bright reddish. .... *Atalapha (Dasypterus) eyreyia*
196 a First upper premolar much smaller than the second (Subgenus *Murina*). 197
b First upper premolar equal to or nearly equal to the second (Subgenus *Harpiocephalus*) 198
197 a Upper third of the outer margin of the ear-conch concave; forearm 1".35. ..... *Harpiocephalus (Murina) suillus*
b Upper third of the outer margin of the ear-conch convex or straight; forearm 1".1. ..... *Harpiocephalus (Murina) auratus*
198 a Upper third of the outer margin of the ear-conch concave. 199
b Upper third of the outer margin of the ear-conch convex or straight. 200
199 a Ears narrow, pointed; forearm 1".3. ..... *Harpiocephalus (Harpiocephalus) griseus*

b Ears broadly rounded off above; forearm 2".4. .... *Harpiocephalus (Harpiocephalus) harpia*

200 a No spur near the base of the inner margin of the ear-conch; first upper premolar equal to the second; forearm 1".3. ..... *Harpiocephalus (Harpiocephalus) cyclotis*

b A distinct horizontal spur-like projection near the base of the inner margin of the ear-conch; first upper premolar smaller than the second; forearm 1".3. .... *Harpiocephalus (Harpiocephalus) leucogaster*

201 a Feet very large; wing-membrane from the tibia or ankle, rarely from, the side of the foot; interfemoral membrane forming a very acute angle in the centre of its free margin behind; tail projecting by the last vertebra or by the last two vertebræ from the membrane; calcaneum very long, extending at least three fourths the distance between the ankle and the tail (Subgenus *Leuconoë*). 202

b Feet moderate; wing-membrane from the base of the toes, rarely from the metatarsus; interfemoral membrane forming an obtuse angle in the centre of its free margin behind; tail wholly contained in the membrane or projecting by its extreme tip only; calcaneum extending about halfway between the ankle and the tail (Subgenus *Vespertilio*). 211

202 a Wings from the sides of the back near the spine. 203

b Wings from the sides of the body. 204

203 a Wings from the middle of the tibiæ; the second lower premolar minute, quite internal to the tooth-row. Tragus short, straight, and obtusely pointed; fur long; forearm 2".1. ..... *Vespertilio (Leuconoë) pilosus*

b Wings from the ankles; the second lower premolar in the tooth-row. Tragus moderately long, subacute fur very short; forearm 1'"8. .... *Vespertilio (Leuconoë) macrotarsus*

204 a Wings from the ankles. 205

b Wings from the tarsi. The first and second upper premolars internal to the tooth-row, the third premolar separated by a narrow space from the canine. Tragus straight, subacute; forearm 1".8. ..... *Vespertilio (Leuconoë) ferrugineus*
African Chiroptera name ..... *Nyctalus lasiopterus*

c Wings from the metatarsi. The second lower premolar stands in the tooth-row or is partially drawn inwards. 208

d Wings from the base of the toes. The second premolar in both jaws internal to the tooth-row. The ear laid forwards extends exactly to the end of the muzzle. 210

205 a The second lower premolar minute, quite internal to the tooth-row. Tragus straight; fur very short; forearm 1".6. ..... *Vespertilio (Leuconoë) hasseltii*

b The second lower premolar stands in the tooth-row, or, partially only, internal. ... 206

206 a The second upper premolar quite internal to the tooth-row. Tragus straight; fur moderately long; forearm 1".55. ..... *Vespertilio (Leuconoë) adversus*

b The second upper premolar stands in the tooth-row, or, with the first premolar, is drawn partially inwards. 207

207 a Tragus inclined outwards above, inner margin convex; forearm 1".45. .... *Vespertilio (Leuconoë) capaccinii*
African Chiroptera name ..... *Myotis capaccinii*

b Tragus straight, inner margin straight; forearm 1".45. *Vespertilio (Leuconoë) longipes*

c Tragus inclined inwards, obtuse, inner margin slightly concave; forearm 1".8. ..... *Vespertilio (Leuconoë) dasycneme*

208 a The second upper premolar stands in the tooth-row, or, with the first, is partially drawn inwards. 209

b The second upper premolar internal to the tooth-row. The ear laid forwards does not extend beyond the end of the muzzle; tragus inclined outwards; forearm 1".5. ..... *Vespertilio (Leuconoë) fimbriatus*

209 a The ear laid forwards does not extend beyond the end of the muzzle; forearm 1".45. ..... *Vespertilio (Leuconoë) daubentonii*

b The ear laid forwards extends one tenth of an inch beyond the end of muzzle; forearm 1".45. ..... *Vespertilio (Leuconoë) megalopus*

210 a Fur moderately long ; last two caudal vertebræ projecting; forearm 1".25. .*Vespertilio (Leuconoë) davidii*

b Fur very short; the last osseous caudal vertebra alone projecting; forearm 1".35. ..... *Vespertilio (Leuconoë) bocagii*
African Chiroptera name ..... *Myotis bocagii bocagii*

211 a Old-World Species. 212
b New-World Species. 228

212 a Tragus attenuated above, acutely pointed, and curved outwards. 213
b Tragus straight (curved outwards above in *Vespertilio australis* only), subacutely or obtusely pointed. Wings from the base of the toes. 219

213 a Wings from the metatarsus; fur of the neck and shoulders much longer than that of the rest of the body. Ears nearly as long as the head; the outer margin of the ear-conch deeply concave above; terminal third of the hairs beneath pale brown; forearm 1".5. ..... *Vespertilio (Vespertilio) goudotii*
African Chiroptera name ..... *Myotis goudoti*
b Wings from the base of the toes; fur of the neck and shoulders scarcely longer than that of the rest of the body. 214

214 a Ears shorter than the head. 215
b Ears as long or longer than the head; outer side of the ear-conch flatly emarginated above. 216

215 a Ears much shorter than the head; outer side of the ear-conch deeply concave above; terminal half of the hairs beneath pure white; forearm 1".35. ..... *Vespertilio (Vespertilio) nipalensis*
b Ears much shorter than the head; outer side of the ear-conch slightly concave above; terminal third of the hairs beneath pale reddish brown; forearm 1".9. ..... *Vespertilio (Vespertilio) tricolor*
African Chiroptera name ..... *Myotis tricolor*
c Ears nearly as long as the head; outer side of the ear-conch deeply angularly emarginate above; terminal third of the hairs beneath pale reddish brown; forearm 1".58. ..... *Vespertilio (Vespertilio) emarginatus*

216 a Ears as long as the head. Forearm 1".5. ..... *Vespertilio (Vespertilio) oreias*
b Ears longer than the head. 217

217 a Posterior margin of the interfemoral membrane fringed; tail as long as the head and body. 218
b Posterior margin of the interfemoral membrane naked; tail shorter than the head and body. Wing-membranes unicoloured; forearm 1".55. ..... *Vespertilio (Vespertilio) bechsteinii*

218 a Wing-membranes variegated with orange and black; forearm 2".05. ..... *Vespertilio (Vespertilio) welwitschii*
African Chiroptera name ..... *Myotis welwitschii*
b Wing-membranes unicoloured; forearm 1".45. ..... *Vespertilio (Vespertilio) nattereri*

219 a Outer side of the ear-conch flatly emarginated above. 220
b Outer side of the ear deeply concave above. 224

220 a Wing-membranes unicoloured. 221
b Wing-membranes variegated with orange and black. Ears slightly shorter than the head; forearm 1".9. ..... *Vespertilio (Vespertilio) formosus*

221 a Terminal half of the hairs beneath white. 222
b Hairs black or dark brown beneath, the extreme tips greyish. 223

222 a Ears longer than the head; forearm 2".35. ..... *Vespertilio (Vespertilio) murinus*
b Ears shorter than the head; forearm 2".2. ..... *Vespertilio (Vespertilio) africanus*

223 a Ears broad, slightly shorter than the head; forearm 2".1. ..... *Vespertilio (Vespertilio) murinoides*
b Ears narrow, much shorter than the head; forearm 2".5. ..... *Vespertilio (Vespertilio) chinensis*

224 a Second upper premolar quite internal to the tooth-row. Ears shorter than the head; lower two thirds of the outer margin of the ear-conch strongly and abruptly convex; forearm 1".4. ..... *Vespertilio (Vespertilio) insularum*
b Second upper premolar in the tooth-row, or with the first premolar drawn partially inwards. 225

225 a No postcalcaneal lobule. 226
b Postcalcaneal lobe distinct; muzzle obtuse. 227

226 a Ears shorter than the head; outer margin of the ear-conch slightly convex in the lower half; forearm 1".5. ..... *Vespertilio (Vespertilio) montivagus*
b Ears as long as the head; outer margin of the ear-conch strongly convex in lower half; forearm 1".25. ..... *Vespertilio (Vespertilio) mystacinus*
227 a Tragus straight or slightly inclined inwards; fur long; forearm 1".25. .... *Vespertilio (Vespertilio) muricola*
b Tragus inclined outwards above; fur short; forearm 1".55. .... *Vespertilio (Vespertilio) australis*
228 a Feet small; tail wholly included in the interfemoral membrane or the extreme tip alone projecting. 229
b Feet rather large; last rudimentary caudal vertebra free. 230
c Feet rather large; last osseous caudal vertebra free or half free. 232
229 a Ears as long as the head; muzzle slender, pointed; thumb shorter than the foot. ..... *Vespertilio (Vespertilio) nitidus*
b Ears shorter than the head; muzzle obtuse; thumb moderate, as long as the foot; forearm 1".35. ..... *Vespertilio (Vespertilio) nigricans*
c Ears as long as the head; muzzle obtuse; thumb longer than the foot; face very hairy; forearm 1".6. ..... *Vespertilio (Vespertilio) oxyotus*
230 a Fur very dense and woolly, covering the whole muzzle. Ears shorter than the head; forearm 1".55 ..... *Vespertilio (Vespertilio) polythrix*
b Fur straight, moderately dense, not extending thickly upon the muzzle. 231
231 a Ears as long as the head; tragus straight; a small postcalcaneal lobule; posterior margin of the interfemoral naked; forearm 1".45.... *Vespertilio (Vespertilio) chiloensis*
b Ears longer than the head; tragus inclined outwards; no postcalcaneal lobule; posterior margin of the interfemoral fringed forearm 1".5. *Vespertilio (Vespertilio) levis*
232 a Tragus long, inclined outwards. 233
b Tragus moderately long, straight. Wings from the metatarsus or base of the toes. Ears shorter than the head. 235
233 a Wings from the base of the toes. Ears longer than the head. 234
b Wings from the tarsus or metatarsus. Ears as long as the head. The extremity of the ear laid forwards extends to the end of the muzzle. ..... *Vespertilio (Vespertilio) carolii*
234 a The extremity of the ear laid forwards extends about 0".35 beyond the end of the muzzle. ..... *Vespertilio (Vespertilio) evotis*
b The extremity of the ear extends 0".1 beyond the end of the muzzle. .... *Vespertilio (Vespertilio) subulatus*
235 a The extremity of the ear laid forwards does not extend so far as the end of the muzzle. 237
236 a The extremity of the ear laid forwards extends to the end of the muzzle; forearm 1".4. ..... *Vespertilio (Vespertilio) lucifugus*
237 a The first and second upper premolars internal to the tooth-row; forearm 1".75. ..... *Vespertilio (Vespertilio) albescens*
b The first and second premolars in the tooth-row; forearm 1".35. .... *Vespertilio (Vespertilio) arsinoë*
238 a Outer margin of the tragus without a lobule at the base, but with a more or less distinct process opposite the base of the inner margin, not succeeded by an emargination immediately above or beneath. 240
b Outer margin of the tragus with a distinct lobule at the base as in *Vespertilio*, succeeded immediately above, opposite the base of the inner margin, by an emargination. Outer upper incisor on each side minute, scarcely exceeding the cingulum of the inner incisor in vertical extent. Wing-membranes unicoloured. .. 244
239 a Outer upper incisors equal to or exceeding half the length of the inner incisors; inner incisors with cusp. 240
b Outer upper incisors short, sometimes minute, never equalling half the length of the inner incisors; inner incisors with or without a small basal cusp posteriorly. Wing-membranes unicoloured. 242
c Outer upper incisors nearly as long as the inner incisors; inner incisors with a small posterior basal cusp. Margin of the interfemoral membrane with a comb-like fringe, as in *Kerivoula picta*; forearms, thumbs, and tibise clothed with short appressed hairs. Ears shorter than the head; forearm 1".4. ..... *Kerivoula lanosa*

240 a Wing-membranes variegated with orange and black. Margin of the interfemoral membrane with a well-developed comb-like fringe. Ears shorter than the head; fur orange; forearm 1".4. ..... *Kerivoula picta*
b Wing-membranes unicoloured. 241
241 a Margin of the interfemoral membrane with a well-developed comb-like fringe. Ears shorter than the head; fur brown; forearm 1".3 or slightly more. ..... *Kerivoula brunnea*
African Chiroptera name ..... *Kerivoula lanosa*
b Margin of the interfemoral with a few fine hairs. Ears as long as the head; fur greyish-brown; forearm 1".1. ..... *Kerivoula africana*
242 a Margin of the interfemoral membrane naked. Ears shorter than the head; outer upper incisors nearly half the length of the inner incisors (in immature individuals); fur darker at the base, paler at the extremities; forearm 1".4. ..... *Kerivoula hardwickii*
b Margin of the interfemoral membrane fringed with short rather stiff hairs. 243
243 a Ears shorter than the head; outer upper incisors minute; fur darker at the extremities than at the base; forearm 1".7. ..... *Kerivoula papillosa*
b Ears longer than the head; outer incisors as in *Kerivoula papillosa*; forearm 1".25. ..... *Kerivoula pellucida*
244 a Margin of the interfemoral membrane naked; forearms and thumbs also naked. Ears shorter than the head, outer margin of the ear-conch with a second small concavity about the middle; fur as in *Kerivoula hardwickii*; forearm 1".55. ..... *Kerivoula jagorii*
b Margin of the interfemoral fringed; forearms, thumbs, and tibiæ clothed with short appressed hairs. 245
245 a Margin of the interfemoral with a few fine hairs; ears as long as the head; fur brown, with shining yellow extremities; forearm 1".45. ..... *Kerivoula papuensis*
b Margin of the interfemoral with short bristly hairs; ears shorter than the head; fur tricoloured, with bronze-yellow extremities; forearm 1".45. ..... *Kerivoula ærosa*
246 a Tragus broad at the base, narrow and pointed above; forearm 1"'6. .... *Natalus stramineus*
b Tragus narrow opposite the base of its inner margin, expanded above; forearm 1".05. ..... *Natalus. lepidus*
247 a No lobule or projection above the base of the outer margin of the tragus. 248
b A distinct triangular projection above the base of the outer margin of the tragus. ..... *Miniopterus tristis*
248 a Interfemoral membrane nearly naked. ..... *Miniopterus schreibersii*
b Half the interfemoral membrane clothed, ... 249
249 a Wing-membrane external to the tibiæ naked; muzzle longer. ..... *Miniopterus australis*
b Wing-membrane with a band of fur extending from the elbow to the ankle; muzzle shorter. ..... *Miniopterus scotinus*
250 a Subfamily Emballonurinæ. 251
b Subfamily Molossinæ. 277
251 a Tail shorter than the large interfemoral membrane; index finger formed by the metacarpal alone. 252
b Tail much longer than the short interfemoral membrane; index finger with two phalanges. First phalanx of the middle finger incompletely folded (in repose) on the dorsal surface of the metacarpal bone; pemaxillaries united; incisors very weak (Group Rhinopomata). Upper incisors small, very slender, diverging outwards; ears united; a small nose-leaf behind the valvular nostrils; inc. $^{2}/_{4}$, pm. $^{1-1}/_{2-2}$ (Genus *Rhinopoma*). ..... *Rhinopoma microphyllum*
252 a First phalanx of the middle finger folded (in repose) on the dorsal surface of the metacarpal bone. 253
b First phalanx of the middle finger extended (in repose) in a line with the metacarpal bone; premaxillaries united; upper incisors strong (Group Noctiliones). Upper middle incisors close together in the centre of the space between the canines; ears very narrow; chin with transverse cutaneous ridges; inc. $^{4}/_{2}$, pm. $^{1-1}/_{2-2}$ (Genus *Noctilio*). 276
253 a Tail terminating in the interfemoral membrane. Crown of the head greatly elevated above the face-line; thumb and first phalanx of the middle finger very short; inc. 2 - 2/6, pm. $^{2-2}/_{3-3}$ (Group Furiæ). 254
b Tail perforating the centre of the large interfemoral membrane, and appearing upon its upper surface. 255

254 a Nasal apertures oval, close together in front; bony palate not produced backwards behind the last molar (Genus *Furia*)..... *Furia horens*
b Nasal apertures triangular, widely separated; bony palate produced as far back as the middle of the zygomatic arches (Genus *Amorphochilus*)..... *Amorphochilus schnablii*
255 a Part of the tail included in the basal half of the interfemoral membrane, which it perforates simply. Crown of the head slightly elevated above the face -line; thumb and first phalanx of the middle finger moderately long; premolars $^{2-2}/_{2-2}$ (Group Emballonuræ)..... 256
b Part of the tail suspended in a fold derived from the inferior surface of the basal half of the interfemoral membrane, the terminal portion perforating the bottom of a pouch formed in the centre of the membrane. Crown of the head slightly elevated above the face -line; thumb very short; extremity of the muzzle not produced beyond the lower lip; forehead deeply concave (Group Dicliduri). Incisors $^{1-1}/_{6}$, pm. $^{2-2}/_{2-2}$ (Genus *Diclidurus*). ..... *Diclidurus albus and Diclidurus scutatus*
256 a Lower incisors 6; premaxillaries osseous; upper incisors persistent. 257
b Lower incisors 4 ; premaxillaries cartilaginous; upper incisors deciduous. Upper incisors 1 - 1. Extremity of the muzzle not produced beyond the lower lip; forehead deeply concave (Genus *Taphozous*). 267
257 a No pouch in the antebrachial membrane. 258
b Antebrachial membrane with a pouch opening on its upper surface. Upper incisors 1 - 1. Extremity of the muzzle more or less produced beyond the lower lip; forehead flat (Genus *Saccopteryx*)..... 264
258 a Upper incisors 2 - 2. Extremity of the muzzle more or less produced beyond the lower lip; forehead flat (Genus *Emballonura*). 260
b Upper incisors 1 - 1. 259
259 a Extremity of the muzzle broad, slightly produced beyond the lower lip; forehead concave (Genus *Colëura*). 263
b Extremity of the muzzle narrow, much produced beyond the lower lip; forehead flat (Genus *Rhynchonycteris*)..... *Rhynchonycteris naso*
260 a Nostrils close together in front, opening by circular apertures directed forwards; upper lip projecting more or less beyond the lower in front; lower incisors separated on each side from the canines (Subgenus *Emballonura*). 261
b Nostrils widely separated, opening by elliptical apertures placed obliquely; upper lip not projecting in front; lower incisors filling up the space between the canines (Subgenus *Mosia*). Inner margin of the tragus convex. Calcaneum shorter than the tibia; wings from the base of the toes; forearm 1".45. .... *Emballonura (Mosia) nigrescens*
261 a Inner margin of the tragus concave. Calcaneum shorter than the tibia; wings from the ankles; forearm 1".7. ..... *Emballonura (Emballonura) semicaudata*
b Inner margin of the tragus convex..... 262
262 a Calcaneum shorter than the tibia; wings from the feet; forearm 1".4. .... *Emballonura (Emballonura) monticola*
b Calcaneum longer than the tibia; wings from the ankles; forearm 1".5..... ..... *Emballonura (Emballonura) atrata*
African Chiroptera name ..... *Paremballonura atrata*
263 a Lower lip with a distinct median groove in front; muzzle obtusely conical; ears narrowly rounded off above; forearm 2".2; tibia 0".95..... *Colëura seychellensis*
African Chiroptera name ..... *Coleura seychellensis*
b Lower lip not divided by a groove in front; muzzle acutely conical; ears broadly rounded off above; forearm 1".9; tibia 0".6..... *Colëura afra*
African Chiroptera name ..... *Coleura afra*
264 a Wing-sac opening along the forearm on the outer side of the antebrachial membrane; ears narrowed above, emarginated externally, tragus abruptly truncated above; wings from the tibiæ or from the ankles; premaxillary bones without internal oblique process, facial bones flattened; anterior margin of the orbit in a vertical line with the second upper premolar (Subgenus *Saccopteryx*). 265

b Wing-sac opening near the anterior margin of the antebrachial membrane, aperture directed outwards; ears triangular, rounded, close together or united by a band across the face; tragus rounded off above; wings from the tibia or from the tarsus; premaxillary bones with an internal oblique process; facial bones mesially hollowed, laterally expanded above in front of the orbits; anterior margin of the orbit in the same vertical line with the middle of the second premolar (Subgenus *Peropteryx*). 266

c Wing-sac opening in the centre of the antebrachial membrane, the aperture directed inwards; nu other respects as in subgenus *Peropteryx* (Subgenus *Balantiopteryx*). The posterior edge of the wing-membrane margined with white; forearm 1".7. .....*Saccopteryx (Balantiopteryx) plicata*

d Wing-sac opening on the inner side of the antebrachial membrane near the shoulder; ears separate; wings from the base of the toes; premaxillary bones very small; facial bones flattened above, with a longitudinal central groove (Subgenus *Centronycteris*). Ears slightly longer than the head; forearm 1".75. ....*Saccopteryx (Centronycteris) calcarata*

265 a No longitudinal streaks on the fur of the back; forearm about 1".4. ....*Saccopteryx (Saccopteryx) leptura*

b Two longitudinal streaks on the fur of the back; forearm about 1".8. ....*Saccopteryx (Saccopteryx) bilineata*

266 a Ears separate; wings from the distal end of the tibiæ; forearm 1".8. ....*Saccopteryx (Peropteryx) canina*

b Ears united; wings from the tarsus; forearm 1".7 (Subgenus *Peronymus* Peters). .....*Saccopteryx (Peropteryx) leucoptera*

267 a Radio-metacarpal pouch distinct; lower lip scarcely grooved (Subgenus *Taphozous*). 268

b No radio-metacarpal pouch; lower lip divided in the centre of its upper surface and in front by a deep narrow groove (Subgenus *Taphonycteris*). 274

268 a Radio-metacarpal pouch well developed. 269

b Radio-metacarpal pouch small; fur very short, not extending to membranes; forearm 2".95. .....*Taphozous (Taphozous) nudiventris*
African Chiroptera name ..... *Taphozous nudiventris*

269 a No gular sac in male or female. 270

b Gular sac present in males, rudimentary or absent in females. 271

270 a Fur of the back extending upon part of the wing- and interfemoral membranes; extremity of tail thickened; forearm 2".5. ..... *Taphozous (Taphozous) melanopogon*

b Fur of the back very narrow across loins, not extending upon the membranes; extremity of tail not thickened; forearm 3". ..... *Taphozous (Taphozous) theobaldi*

271 a Gular sac quite absent in females, throat hairy beneath. 272

b Gular sac rudimentary in females, throat naked beneath. 273

272 a Ears as long or longer than the head; forearm 2".7. *Taphozous (Taphozous) australis*

b Ears shorter than the head; forearm 2".4. ..... *Taphozous (Taphozous) perforatus*
African Chiroptera name ..... *Taphozous perforatus*

273 a Fur brown above and beneath; forearm 2".45. .. *Taphozous (Taphozous) longimanus*

b Fur brown above and beneath neck; chest and abdomen pure white; forearm 2".4. ..... *Taphozous (Taphozous) mauritianus*
African Chiroptera name ..... *Taphozous mauritianus*

274 a Ears broadly rounded off above; inner margin smooth, slightly convex above; forearm three inches or less. 275

b Ears triangular, narrowly rounded off above; inner margin papillate; forearm three and a half inches at least. .....*Taphozous (Taphonycteris) peli*
African Chiroptera name ..... *Saccolaimus peli*

275 a Gular sac developed (but smaller) in female also; fur dark brown above and beneath. ..... *Taphozous (Taphonycteris) saccolæmus*

b Gular sac rudimentary in female, the margins alone developed; fur brown above, pure white beneath. ..... *Taphozous (Taphonycteris) affinis*

276 a Larger; forearm in adults at least 3 inches long; foot 1"; upper molars touching by the extremities only of their external cusps, with narrow spaces between the adjacent teeth..... *Noctilio leporinus*

b Smaller; forearm in adults not exceeding 2".5 in length; foot 0".6; upper molars closely approximated together without intervening spaces. ..... *Noctilio albiventer*

277 a Group Molossi. 278
b Group Mystacinæ (Genus *Mystacina*)..... *Mystacina tuberculata*
278 a First toe much larger and thicker than the other toes and separable from them; ears quite separate. Premaxillary bones united; upper incisors very strong, close together in front (Genus *Cheiromeles*). ..... *Cheiromeles torquatus*
African Chiroptera name ..... *Myonycteris torquata*
b First and fifth toes much thicker than the other toes; ears united or close together by their inner margins..... 279
279 a Premaxillary bones united; upper incisors close together in front (Genus *Molossus*). 280
b Premaxillary bones separate, or united by cartilage only; upper incisors separate in front (Genus *Nyctinomus*). 291
280 a To subgenera. 281
b To species. 283
281 a Ears more or less united. 282
b Ears distinctly separate ; upper incisors with diverging summits, their bases removed from the canines by a diastema. ..... *Subgenus Myopterus*
282 a Premolars $^{2-2}/_{2-2}$; upper incisors with diverging summits, and with their broad bases close to the canines..... *Subgenus Promops*
b Premolars $^{1-1}/_{2-2}$; upper incisors parallel by their inner margins, their bases close to the canines. ..... *Subgenus Molossus*
283 a Muzzle rounded in front; lips smooth, not wrinkled; tragus triangular or linear..... 284
b Muzzle very obliquely truncated, its superior and external front margins formed by the sharply cut cartilaginous rims of the nostrils; lips smooth or very slightly wrinkled; tragus quadrate; inc. $^{2}/_{4}$, pm. $^{2-2}/_{2-2}$. 289
284 a Antitragus circular, as high as long. 285
b Antitragus half-oval or half-cordate, longer than high, tragus linear; inc. $^{2}/_{4}$, pm. $^{2-2}/_{2-2}$. Forearm 2".45..... *Molossus (Promops) abrasus*
285 a Tragus triangular, with a broad base; inner margins of the ears arising from the forehead by separate points of origin ; inc. $^{2}/_{4}$, pm. $^{1-1}/_{2-2}$..... 286
b Tragus linear, subacutely pointed; inner margins of the ears arising from the same point, or very close together..... 288
286 a Ears obtusely pointed. Centre of breast and abdomen pale yellowish brown; forearm 1".2. ..... *Molossus (Myopterus) temminckii*
b Ears rounded off above. 287
287 a Centre of breast and abdomen white; forearm 1".35. *Molossus (Myopterus) planirostris*
b Centre of breast and abdomen not different from sides; forearm 1".7. .... *Molossus (Myopterus) brachymeles*
288 a Inc. $^{2}/_{2}$, pm. $^{1-1}/_{2-2}$; the first lower premolar half internal to the tooth-row, partially concealed by the much larger second premolar. Fur very short; forearm 1".7 - 2".1. ..... *Molossus (Molossus) rufus*
b Inc. $^{2}/_{4}$, pm. $^{2-2}/_{2-2}$; the first lower premolar in the tooth-row. Fur moderately long; forearm 2".0..... *Molossus (Promops) nasutus*
289 a Ears longer than the head; gular sac large; first upper premolar external. Forearm 2".9. ..... *Molossus (Promops) perotis*
b Ears shorter than the head; gular sac small; first upper premolar in the tooth-row. 290
290 a Upper lip smooth; forearm 2".35. ..... *Molossus (Promops) glaucinus*
b Upper lip slightly wrinkled; forearm 1".8..... *Molossus (Promops) bonariensis*
291 a Ears very close or united together; upper lip deeply grooved by vertical wrinkles; premolars $^{2-2}/_{2-2}$ (Subgenus *Nyctinomus*). 309
b Ears distinctly separate; upper lip slightly wrinkled; premolars $^{1-1}/_{2-2}$. Antitragus separated by a very shallow notch; lower incisors 6. Muzzle flat or rounded off above; upper lip with ill-defined vertical wrinkles. Tragus triangular, rounded off above (Subgenus *Mormopterus*)..... 292
292 a Integument of the ears thick, opaque; keel of the ear-conch thickened in lower third; antitragus separated by a deep notch..... 293
b Integument of the ears thin, translucent; keel of the ear-conch slender, deep, bent backwards on itself..... 304

293 a Lips smooth; inner margins of the ears arising from the muzzle by distinct points of origin; tragus broad, rounded off above. Antitragus irregularly quadrate; forearm 2".5; lower incisors 4. ..... *Nyctinomus (Nyctinomus) africanus*
African Chiroptera name ..... *Tadarida ventralis*
b Lips furrowed by deep vertical wrinkles. 294
294 a Ears separate or conjoined at the bases of their inner margins only; tragus broad, rounded off above. 295
b Ears conjoined by a more or less deep band; tragus small; no gular sac. 297
295 a Ears conjoined at the bases of their inner margins; gular sac distinct in male. Antitragus obliquely triangular, rounded; forearm 2".4; lower incisors 6. ..... *Nyctinomus (Nyctinomus) cestonii*
African Chiroptera name ..... *Tadarida ventralis*
b Ears separate; no gular sac. Antitragus half-oval. 296
296 a Forearm 1".95; lower incisors 4. ..... *Nyctinomus (Nyctinomus) ægyptiacus*
African Chiroptera name ..... *Tadarida aegyptiaca*
b Forearm 2"; lower incisors 6. ..... *Nyctinomus (Nyctinomus) tragatus*
297 a Ears conjoined at the bases of their inner margins. 298
b Ears conjoined by a deep band in front. 299
c Ears conjoined by a very deep band anteriorly, and, posteriorly, by a second low band ; forearm 1".9. ..... *Nyctinomus (Nyctinomus) johorensis*
298 a Fur unicoloured; wings from the lower end of the tibiæ; forearm 1".95. ..... *Nyctinomus (Nyctinomus) plicatus*
b Fur greyish on the surface; wings from the middle of the tibiæ; forearm 1".9. ..... *Nyctinomus (Nyctinomus) bivittatus*
African Chiroptera name ..... *Chaerephon bivittatus*
299 a The first upper premolar stands in the tooth-row. 300
b The first upper premolar external to the tooth-row. 302
300 a Lower third of the ear-keel much thickened and flattened externally; forearm 1".35. ..... *Nyctinomus (Nyctinomus) brachypterus*
b Lower third of the ear-keel slightly thickened, not flattened externally. 301
301 a Fur of the chest and abdomen uniform in colour; forearm 1".5. ..... *Nyctinomus (Nyctinomus) pumilus*
African Chiroptera name ..... *Chaerephon pusillus*
b Fur of the lower half of the chest and the abdomen white; forearm 1".6. ..... *Nyctinomus (Nyctinomus) limbatus*
African Chiroptera name ..... *Chaerephon pumilus*
302 a Lower third of the ear-keel slightly thickened, not flattened externally. Tragus quadrate; forearm 1".85. ..... *Nyctinomus (Nyctinomus) angolensis*
African Chiroptera name ..... *Mops (Mops) condylurus*
b Lower third of the ear-keel much thickened and flattened externally. 303
303 a Tragus narrow, much longer than broad, rounded off above; forearm 2".4. *Nyctinomus (Nyctinomus) miarensis*
African Chiroptera name ..... *Mops (Mops) midas miarensis*
b Tragus quadrate; forearm 1".8. ..... *Nyctinomus (Nyctinomus) mops*
304 a Antitragus separated by a deep notch; lower incisors 4. 305
b Antitragus separated by a very shallow notch; lower incisors 6. Muzzle flat in front of the ears; upper lips with vertical wrinkles. Ears separate. 308
305 a Muzzle thick, not concave in front of the eyes; upper lip with vertical wrinkles. ... 306
b Muzzle concave between the eyes and the extremity of the nose; upper lip furrowed by deep oblique wrinkles; no gular sac. 307
306 a Ears separate; a large gular sac; forearm 2".35. .. *Nyctinomus (Nyctinomus) australis*
b Ears united by a low band near the extremity of the muzzle; no gular sac; forearm 2".35. ..... *Nyctinomus (Nyctinomus) megalotis*
307 a Ears united by a deep band, antitragus much longer than high; forearm 2".2. ..... *Nyctinomus (Nyctinomus) macrotis*
b Ears united by a low band, antitragus as high as long; forearm 1".8. ..... *Nyctinomus (Nyctinomus) gracilis*
308 a Tragus quadrate, broad above; forearm 1".7. ..... *Nyctinomus (Nyctinomus) brasiliensis*

b Tragus triangular, narrow above; forearm 1".35. .... *Nyctinomus (Nyctinomus) norfolcensis*

309 a Ear broad above, upper third of the inner margin straight; forearm 1".45. *Nyctinomus (Mormopterus) albiventer*
African Chiroptera name ..... *Mormopterus jugularis*

b Ear narrow above, upper third of the inner margin deeply concave; forearm 1".55. ..... *Nyctinomus (Mormopterus) acetabulosus*
African Chiroptera name ..... *Mormopterus acetabulosus*

310 a Nostrils opening by simple apertures at the extremity of the muzzle in front, not margined by a distinct nose-leaf; chin with expanded leaf-like appendages (Subfamily Lobostominæ; Group Mormopes). 314

b Nostrils opening on the upper surface of the muzzle, the nasal apertures more or less surrounded or margined by well-developed cutaneous appendages, forming a distinct nose-leaf; chin with warts (Subfamily Phyllostominæ). 311

311 a Molars well developed; upper incisors 4. 312

b No true molars, or, if present, with crowns reduced to a narrow cutting-edge; upper incisors 2, large, trenchant (Group Desmodontes). 366

312 a Muzzle long and narrow; outer side of true molars with W-shaped cusps..... 313

b Muzzle short, broad, and obtuse; true molars broad and flat, with an outer notched cutting-edge (Group Stenodermata). 348

313 a Tougue moderately long, terminating in an obtuse tip; upper surface of the lower lip not divided in the centre by a deep groove (Group Vampyri). 321

b Tongue very long, much attenuated towards the tip; upper surface of the lower lip divided by a deep groove in the centre (Group Glossophagæ). 339

314 a Crown of the head moderately elevated above the face-line, the basicranial axis almost in the same plane as the facial (Genus *Chilonycteris*). 315

b Crown of the head greatly elevated above the face-line, the basicranial axis almost at right angles with the facial (Genus *Mormops*). 320

315 a Wings from the sides of the hairy back (Subgenus *Chilonycteris*)..... 316

b Wings from the spine; back behind the shoulders naked (Subgenus *Pteronotus*). Ears and muzzle as in *Chilonycteris personata*; forearm 1".85. .... *Chilonycteris (Pteronotus) davyi*

316 a Lower third of the inner margin of the ear-conch thickened and separated by a right-angled notch from the upper two thirds. 317

b Lower third of the inner margin of the ear-conch not thickened, continuous with the upper two thirds. No tooth-like projection from the upper margin of each nostril. Outer margin of the ear-conch abruptly convex at the commencement of its lower two thirds, forming a right-angled notch..... 319

317 a A small tooth-like projection from the upper margin of each nostril; outer margin of the ear-conch abruptly convex at the commencement of its lower two thirds, forming an acute-angled notch; forearm 1".65. ..... *Chilonycteris (Chilonycteris) macleayii*

b No tooth-like projection from the upper margin of each nostril. 318

318 a Outer margin of the ear-conch abruptly convex at the commencement of its lower two thirds, forming a right-angled notch; forearm 1"'8. .... *Chilonycteris (Chilonycteris) personata*

b Outer margin of the ear-conch gradually convex at the commencement of its lower two thirds; forearm 1".65. ..... *Chilonycteris (Chilonycteris) psilotis*

319 a Crown of the head more elevated; an obtusely conical projection on the upper surface of the muzzle forearm 2".l. ..... *Chilonycteris (Chilonycteris) parnellii*

b Crown of the head less elevated; a small transverse rounded projection on the muzzle; forearm 2".46. ..... *Chilonycteris (Chilonycteris) rubiginosa*

320 a Cutaneous band connecting the inner side of the ear-conch with the upper surface of the muzzle in front meeting the corresponding band of the opposite side behind the nostrils, but not united with it; chin-leaf deeply divided; fur reddish brown. .. *Mormops megalophylla*

b Cutaneous band connecting the inner side of the ear-conch with the muzzle united in front with its fellow of the opposite side; chin-leaf not divided; fur bright orange. ..... *Mormops blainvillii*

321 a Tail contained in and produced to the hinder margin of the interfemoral membrane, or extending slightly beyond it. 322

b Tail short, perforating the interfemoral membrane and appearing upon its upper surface, or none. 324

322 a Wing-membrane attached to the base of the calcaneum and to the inferior surface of the tibia. Nose-leaf with erect processes in front of the nasal orifices; chin with a. naked space above and a longitudinal groove beneath it, bounded by two naked prominences ; premolars $^{2-2}/_{3-3}$, second lower premolar minute (Genus *Lonchorhina*). ..... *Lonchorhina aurita*

b Wing-membrane from the outer side of the tibia or foot. 323

323 a Nose-leaf simple in front; chin with a deep V-shaped groove in front, bounded by raised naked prominences; premolars $^{2-2}/_{3-3}$, second lower premolar well developed (Genus *Macrotus*). 329

b Nose-leaf simple in front; lower lip and chin with a central naked space in front, bounded by small warts; premolars $^{2-2}/_{2-2}$ (Genus *Macrophyllum*). .... *Macrophyllum neuwiedii*

324 a Muzzle narrow and elongated, the distance between the eyes less than the length of the muzzle; premolars $^{2-2}/_{3-3}$ 325

b Muzzle shorter and broader, the distance between the eyes equal to or slightly greater than the length of the muzzle; premolars $^{2-2}/_{2-2}$ 328

325 a Wing-membrane from the backs of the feet. 326

b Wing-membrane from the sides of the feet, ... 327

326 a Nose-leaf well developed anteriorly, free in front and laterally; chin with a longitudinal groove margined by naked prominences; wing-membrane extending to the toes; tail very short, or none; skull narrower between the postorbital fossæ than immediately behind the canines; inc. $^{4}/_{4}$ or $^{4}/_{2}$ (Genus *Vampyrus*). 330

b Nose-leaf narrow in front; chin with a central naked space margined by small warts; wing-membrane extending to the tarsal or metatarsal bones of the outer toe; tail distinct; skull narrower between the postorbital fossæ than in front behind the canines; inc. $^{4}/_{2}$ (Genus *Lophostoma*). 331

327 a Nose-leaf well developed in front, but bound down to the muzzle; chin with a deep V-shaped groove margined by naked prominences; wing-membrane from the extremity of the tibiæ or sides of the feet; tail distinct; skull wider between the postorbital fossæ than in front behind the canines; inc. $^{4}/_{4}$ (Genus *Schizostoma*). 333

b Nose-leaf narrow in front, both it and the extremity of the muzzle with numerous small warts; chin with a long V-shaped groove margined by many small warts; wing-membrane extending to the tarsus; skull narrower between the postorbital fossæ than in front behind the canines; inc. $^{4}/_{4}$ (Genus *Trachyops*). ..... *Trachyops cirrhosus*

c Nose-leaf narrow in front; chin with a V-shaped naked space margined by small warts; wing-membrane extending to the metatarsus; skull much wider between the postorbital fossæ than in any part anterior to the orbits; inc. $^{4}/_{4}$ (Genus *Phylloderrma*). ..... *Phylloderma stenops*

328 a Nose-leaf well developed and free in front; chin with a deep V-shaped groove margined by small warts; wing-membrane extending to the ankles; skull narrower between the postorbital fossæ than immediately behind the canines; inc. $^{4}/_{4}$ (Genus *Phyllostoma*). 336

b Nose-leaf as in Phyllostoma in front, longer behind; chin with a naked longitudinal V-shaped space margined by small warts; wing-membrane extending to the base of the toes; skull much narrower between the postorbital fossæ than behind the canines; inc. $^{4}/_{2}$ (Genus *Tylostoma*). 338

c Nose-leaf narrow in front, very large behind; chin with a broad naked space divided by a central groove; wing-membrane from the ankles; inc. $^{4}/_{2}$ (Genus *Mimon*). ..... *Mimon bennettii*

d Nose-leaf as in Schizostoma; chin with a central wart margined by small warts; molars narrow, with obtuse-angled W-shaped cusps; skull wider between the postorbital fossæ than in front behind the canines; zygomatic arches deficient; inc. $^{4}/_{4}$ (Genus *Carollia*). ..... *Carollia brevicauda*

e Nose-leaf and chin-warts as in *Carollia*; molars very narrow, without distinct W-shaped cusps; skull wider between the postorbital fossæ than in front; tail none (Genus *Rhinophylla*). ..... *Rhinophylla pumilio*

329 a Ears longer than the head; front margin of the nose-leaf raised above the front of the muzzle; the last caudal vertebra free. ..... *Macrotus waterhousii*

b Ears as long as the head; front margin of the nose-leaf scarcely defined, continuous with the upper lip; last caudal vertebra and half the antepenultimate vertebra free. ..... *Macrotus bocourtianus*

330 a Tail none; incisors $^{4}/_{4}$ (Subgenus *Vampyrus*). The second lower premolar nearly as large as the first, in the tooth-row; forearm 4".2. ..... *Vampyrus (Vampyrus) spectrum*

b Tail short; incisors $^{4}/_{2}$ (Subgenus *Chrotopterus*). The second lower premolar considerably smaller than the first and drawn inwards; forearm; 3".2. .... *Vampyrus (Chrotopterus) auritus*

331 a Ears separate, not exceeding the head in length; skull nearly as wide between the postorbital fossæ as at the first upper premolar. 332

b Ears considerably longer than the head, united by a low band across the forehead; skull much narrower between the postorbital fossæ than at the first upper premolar. Fur, above, brown, whitish at the base of the hairs; forearm 2".2, tibia 1".3. ..... *Lophostoma amblyotis*

332 a Fur, above, unicoloured, dark brown; forearm 2".1, tibia 0".85. ..... *Lophostoma bidens*

b Fur, above, bicoloured, white at the base of the hairs, towards the extremities dark brown; forearm 1".45, tibia 0".75. ..... *Lophostoma brasiliense*

333 a The second phalanx of the middle finger equal or nearly equal to the first. 334

b The second phalanx of the middle finger conspicuously longer than the first. Calcaneum much shorter than the foot. Wings from the tarsi; forearms and legs nearly naked; forearm 1".85. ..... *Schizostoma behnii*

334 a Calcaneum longer than the foot. Wings from the tarsus or metatarsus 335

b Calcaneum shorter than the foot. Wings from the tibiæ. Forearms and legs naked; the first and second phalanges of the middle finger exactly equal in length; forearm 1".35. ..... *Schizostoma minutum*

335 a Forearms and legs hairy; the second phalanx of the middle finger slightly shorter than the first; forearm 1".6. ..... *Schizostoma hirsutum*

b Forearms and legs naked; the second phalanx of the middle finger slightly longer than the first; forearm 1".45. ..... *Schizostoma megalotis*

336 a Calcaneum longer than the foot. 337

b Calcaneum shorter than the foot. Nose-leaf as long as the foot; forearm 2".3. ..... *Phyllostoma discolor*

337 a Nose-leaf shorter than the foot; forearm 3".2. ..... *Phyllostoma hastatum*

b Nose-leaf longer than the foot; forearm 2".55. ..... *Phyllostoma elongatum*

338 a Lancet-shaped nose-leaf notched along the sides; calcaneum shorter than the tibia. ..... *Tylostoma crenulatum*

b Lancet-shaped nose-leaf with an entire margin; calcaneum longer than the tibia. ..... *Tylostoma longifolium*

339 a Molars with more or less distinct W-shaped cusps. 340

b Molars very narrow, without distinct W-shaped cusps. Inner upper incisors smaller than the outer ones. Inner upper incisors in pairs, separated by a wide space. Zygomatic arch undeveloped; premolars $^{3-3}/_{3-3}$, m. $^{3-3}/_{3-3}$; first upper premolar deciduous; tail short; interfemoral membrane well developed (Genus *Chœronycteris*). 356

340 a Inner upper incisors larger than the outer ones. 341

b Inner upper incisors smaller than the outer ones. Upper incisors in pairs, separated by a wide space. 344

341 a Upper incisors in a row between the canines. 342

b Upper incisors in pairs, separated by a small space. 343

342 a Zygomatic arch complete; interfemoral membrane well developed; premolars $^{2-2}/_{3-3}$, m. $^{3-3}/_{3-3}$ (Genus *Glossophaga*). ..... *Glossophaga soricina*

b Zygomatic arch undeveloped; interfemoral membrane very narrow; premolars $^{2-2}/_{3-3}$, m. $^{3-3}/_{3-3}$ (Genus *Phyllonycteris*). 345

343 a Zygomatic arch complete; tail extending beyond the narrow interfemoral membrane; premolars $^{2-2}/_{3-3}$, m. $^{3-3}/_{3-3}$ (Genus *Monophyllus*). ..... *Monophyllus redmani*

b Zygomatic arch complete; no tail; interfemoral membrane very narrow; premolars $^{2-2}/_{3-3}$, m. $^{2-2}/_{2-2}$ (Genus *Ischnoglossa*). ..... *Ischnoglossa nivalis*

344 a Zygomatic arch complete; premolars $^{3-3}/_{3-3}$, m. $^{3-3}/_{3-3}$; tail and interfemoral membrane very short (Genus *Lonchoglossa*). 346

b Zygomatic arch undeveloped; premolars $^{3-3}/_{3-3}$, m. $^{3-3}/_{3-3}$ (Genus *Glossonycteris*). ..... *Glossonycteris geoffroyii*

345 a Calcaneum none. ..... *Phyllonycteris poeyi*
b Calcaneum short, but distinct. ..... *Phyllonycteris sezekorni*

346 a Tail very short; interfemoral membrane nearly naked; forearm 1".25. ... *Lonchoglossa caudifera*
b Tail absent; interfemoral membrane well covered; forearm 1".6. *Lonchoglossa wiedii*

347 a Calcaneum shorter than the foot; forearm 1".7. ..... *Chœronycteris. mexicana*
b Calcaneum longer than the foot; forearm 1".35. ..... *Chœronycteris. minor*

348 a Nostrils opening on the surface of a well-defined nose-leaf. 349
b No distinct nose-leaf; nostrils opening in a concavity at the extremity of the muzzle. Muzzle short and very broad in front. Face with naked elevated cutaneous ridges; throat with transverse bands; teeth as in *Stenoderma* (Genus *Centurio*). .... *Centurio senex*

349 a Muzzle broad and very obtuse in front. Crowns of the molar teeth very broad, their transverse exceeding their longitudinal diameter in cross section. 350
b Muzzle conical. 355

350 a Facial portion of the skull flat and broad, not elevated in front. 351
b Facial portion of the skull greatly elevated in front. Upper incisors straight, conical; second (last) molar in both jaws very small (Genus *Pygoderma*). .... *Pygoderma bilabiatum*

351 a Nasal opening na the skull small, not prolonged backwards; the second molar in both jaws smaller than the first. 352
b Nasal opening in the skull prolonged backwards by a longitudinal fissure in the centre between the orbits; the second molars in both jaws larger than the first. Upper middle incisors as in *Vampyrops*; skull narrower in front (Genus *Chiroderma*). 363

352 a Bony palate extending backwards in the centre behind the last molars. 353
b Bony palate not extending backwards, deeply emarginate in the centre between the molars. 354

353 a Upper middle incisors broad and straight; third upper molar rudimentary or absent; molars very broad (Genus *Artibeus*). 356
b Upper middle incisors conical and oblique; third upper molar small but distinct; molars narrower than in Artibeus (Genus *Vampyrops*). 359

354 a Crown of the head slightly elevated above the face-line. Upper middle incisors straight, broad, or conical; molars as in *Artibeus* (Genus *Stenoderma*). 361
b Crown of the head greatly elevated above the very broad and short muzzle. Upper middle incisors straight, conical; molars as in *Stenoderma*, but narrower (Genus *Ametrida*). ..... *Ametrida centurio*

355 a Crowns of the anterior molar teeth rather narrow and longitudinally grooved, their longitude equalling their transverse diameter. Nose-leaf well developed, as in *Artibeus*; interfemoral membrane very narrow, margining the legs (Genus *Sturnira*). ..... *Sturnira lilium*
b Crown of the molar teeth broad, their transverse exceeding their longitudinal diameter. Nose-leaf very short behind; interfemoral membrane large (Genus *Brachyphylla*). ..... *Brachyphylla cavernarum*

356 a Molars $^{3-3}/_{3-3}$ (Subgenus *Uroderma*). Front edge of the nose-leaf free, well developed, ... 357
b Molars $^{2-2}/_{3-3}$ (Subgenus *Artibeus*). Front edge of the nose-leaf bound down to the muzzle. Head with more or less distinct white streaks; forearm 2".25 to 2".8. *Artibeus (Artibeus) perspicillatus*
c Molars $^{2-2}/_{2-2}$ (Subgenus *Dermanura*). 358

357 a Sides of the horseshoe straight, not lobed. Head with or without ill-defined whitish streaks; forearm 2".7 ..... *Artibeus (Uroderma) planirostris*
b Sides of the horseshoe with rounded lobes. Head with four distinct white streaks; back with a white line along the spine; forearm 1".6. ... *Artibeus (Uroderma) bilobatus*

358 a Interfemoral membrane extending as far back in the centre as a line corresponding to the knees; head without white streaks; forearm 1".6. . *Artibeus (Dermanura) cinereus*
b Interfemoral membrane extending as far back in the centre as a line corresponding to the centre of the tibia; head with four white streaks; forearm 1".55. .... *Artibeus (Dermanura) quadrivittatus*

359 a Smaller; with four very distinct white streaks on the head. Larger; white streaks on the head much less distinct. 360
b Fur extending outwards upon the wing-membrane as far as a line drawn from the elbow to the middle of the femur; forearm 2".35. .....*Vampyrops. vittatus*
360 a Fur extending outwards upon the wing-membrane as far as a line drawn from the elbow to the knee; forearm 1".65. .....*Vampyrops lineatus*
b Fur extending outwards as far as a line drawn from the elbow to the middle of the tibia; forearm 1".4. ..... *Vampyrops helleri*
361 a Molars $^{2-2}/_{3-3}$; upper central incisors bicuspidate; sides of the palatal emargination parallel. (Subgenus *Peltorhinus*). ..... *Stenoderma (Pelthorinus) achradophilum*
b Molars $^{3-3}/_{3-3}$; upper central incisors unicuspidate. 362
362 a Frontal deeply concave; sides of the palatal emargination parallel (Subgenus *Stenoderma*)..... *Stenoderma (Stenoderma) rufum*
b Frontal slightly concave; sides of the palatal emargination converging forwards (Subgenus *Phyllops*). .....*Stenoderma (Phyllops) falcatum*
363 a Inc. $^{4}/_{4}$; m. $^{2-2}/_{2-2}$; no white line along the spine. 364
b Inc. $^{4}/_{2}$, m. $^{2-2}/_{3-3}$; a white line along the spine. Four broad very distinct streaks on the head; forearm 1".4.....*Chiroderma bidens*
364 a First lower premolar nearly flat-crowned, without a distinct cusp. Four broad very distinct white streaks on the head; forearm 2".1. ..... *Chiroderma salvini*
b First lower premolar with a distinct anterior cusp. 365
365 a Second lower molar nearly double the first molar in antero-posterior diameter; head-streaks narrow; forearm 1".86 or more..... *Chiroderma villosum*
b Second lower molar about one half greater than the first in antero-posterior diameter; head-streaks broad; forearm 1".4..... *Chiroderma pusillum*
366 a Calcaneum none; interfemoral membrane developed in the middle; true molars none, lower incisors small, in pairs, separated by a space (Genus *Desmodus*). . *Desmodus rufus*
b Calcaneum very short; interfemoral membrane not developed In the middle; molars $^{1-1}/_{1-1}$, rudimentary ; lower incisors very broad, forming a row between the canines (Genus *Diphylla*).....*Diphylla ecaudata*

Appendix 5c: Lataste (1885). Etude de la faune des Vertébrés de Barbarie (Algérie, Tunisie et Maroc)

1 a Queue épaisse, dépassant considérablement la membrane interfémorale et coupant son bord libre à angle droit. Première phalange du doigt médian, au repos, repliée en dessus du métacarpien (Famille Emballonuridés). 29

b Queue grêle, dépassant au plus de deux vertèbres la membrane interfémorale et coupant son bord libre à angle aigu. Première phalange du doigt médian, au repos, repliée en dessous du métacarpien. 2

2 a Des appendices membraneux sur le nez (un fer à cheval horizontal et une feuille nasale verticale). Pas d'oreillon (tragus) dans l'intérieur de l'oreille (Famille Rhinolophidés). 3

b Pas d'appendices membraneux sur le nez. Un oreillon distinct de l'oreille (Famille Vespertilionidés). 8

3 a Le premier orteil à deux, les quatre autres à trois phalanges. Feuille nasale développée surtout dans le sens antéro-postérieur (Genre *Rhinolophus*). 4

b Tous les orteils à deux phalanges. Feuille nasale développée surtout dans le sens transversal (Genre *Phyllorhina*). .....*Phyllorhina tridens*
African Chiroptera name .....*Asellia tridens*

4 a Canine et deuxième prémolaire supérieures contiguës, la première prémolaire minuscule et rejetée en dehors de l'alignement dentaire (1)· 5

b Première prémolaire petite, mais en alignement entre la canine et la deuxième prémolaire qu'elle sépare. 6

5 a Longueur de l'avant-bras, 54 à 57 mill. Oreilles effilées à la pointe..... .....*Rhinolophus ferrum-equinum*
African Chiroptera name .....*Rhinolophus ferrumequinum*

b Avant-bras, environ 44 mill. Oreilles pointues, mais non effilées.*Rhinolophus clivosus*

6 a Longueur avant-bras, 35 à 38 mill.....*Rhinolophus hipposideros*

b Longueur avant-bras, de 46 à 50 mill..... 7

7 a Bord libre de la membrane alaire s'insérant au talon. Côtés de la sella (face antérieure de la feuille nasale) convergents. .....*Rhinolophus Blasii*

b Bord libre de la membrane alaire s'insérant au tibia, au-dessus du talon. Côtés de la sella parallèles ou très légèrement concaves. ..... *Rhinolophus euryale*

8 a Front très convexe et brusquement élevé au-dessus du museau. Un intervalle entre les incisives et les canines supérieures (groupe C Miniopteri) (Genre *Miniopterus*). .....*Miniopterus Schreibersi*
African Chiroptera name ..... *Miniopterus schreibersii*

b Front presque sur le même plan que le museau. Incisives supérieures contiguës aux canines. 9

9 a Oreilles soudées l'une à l'autre près de leurs bases (groupe A Plecoti)..... 10

b Oreilles libres (groupe B Vespertiliones)..... 12

10 a Une seule incisive de chaque côté à la màchoire supérieure. Tout au plus une fente prolongeant légèrement en arrière l'orifice nasal. Robe très pâle (Genre *Otonycteris*). .....*Otonycteris Hemprichi*
African Chiroptera name .....*Otonycteris hemprichii*

b Deux incisives de chaque côté à la màchoire supérieure. Museau profondément excavé derrière les narines. Robe plus ou moins brune..... 11

11 a Trois prémolaires de chaque côté à la mâchoire inférieure. Les excavations post-nasales isolées l'une de l'autre. Oreille très grande, presque de la longueur du corps, non dentelée, son bord externe naissant auprès et en arrière de l'angle de la bouche (Genre *Plecotus*). .....*Plecotus auritus*
African Chiroptera name .....*Otonycteris hemprichii*

b Deux prémolaires de chaque côté it la mâchoire inférieure. Les excavations post-nasales confluentes. Oreille courte, large, dentelée, son bord externe naissant en avant et au-dessus de l'angle de la bouche (Genre *Synotus*). ...*Synotus barbastellus*
African Chiroptera name .....*Barbastella barbastellus*

12 a Une ou deux prémolaires seulement de chaque côté à la màchoire supérieure, deux à l'inférieure. Oreillon peu allongé, obtus et plus ou moins recourbé en dedans (Genre *Vesperugo*)..... 13

b Trois prémolaires de chaque coté et à chaque mâchoire (38 dents). Oreillon (sauf pour dasycneme) long, aigu et droit ou recourbé en dehors (Genre *Vespertilio*)... 22
13 a Seulement une prémolaire supérieure, en tout 32 dents (Sous-genre *Vesperus*). 14
b Deux prémolaires supérieures, en tout 34 dents (Sous-genre *Vesperugo*)..... 17
14 a Avant-bras, de 38 à 45 mill..... 15
b Avaut-bras, plus de 45 et jusqu'à 55 mill. 16
15 a Oreillon atténué au sommet, atteignant sa plus grande largeur vers le milieu de son bord interne. .....*Vesperugo (Vesperus) borealis*
b Oreillon dilaté par le haut, atteignant sa plus grande largeur au-dessus du milieu de son bord interne. .....*Vesperugo (Vesperus) discolor*
16 a Plus grande largeur de l'oreillon, environ moitié moindre que la hauteur de son bord interne. Couleur, brunnoiràtre, un peu plus pale en dessous. *Vesperugo (Vesperus) serotinus*
b Plus grande largeur de l'oreillon, presque égale à la hauteur de son bord interne. Couleur, isabelle, très pâle en dessous. ..... *Vesperugo (Vesperus) isabellinus*
African Chiroptera name .....*Eptesicus isabellinus*
17 a Longueur avant-bras, plus de 38, jusqu'à 65 mill. et plus. Oreillon nettement élargi au sommet, sècuriforme. Membrane alaire s'insérant au talon. 18
b Longueur avant-bras, 30 à 36 mill. Oreillon non dilaté par en haut. Membrane alaire s'insérant aux orteils..... 19
18 a Longueur avant-bras, de 50 à 65 mill. et plus. ..... *Vesperugo (Vesperugo) noctula*
b Longueur avant-bras, de 38 à 42 mill..... *Vesperugo (Vesperugo) Leisleri*
African Chiroptera name ..... *Nyctalus leisleri*
19 a Oreillon atteignant sa plus grande largeur vers le milieu de son bord interne. .....*Vesperugo (Vesperugo) Savii*
African Chiroptera name .....*Hypsugo savii*
b Oreillon atteignant sa plus grande largeur immédiatement au-dessus de l'origine de son bord interne. 20
20 a Incisive supérieure interne simple; l'externe très petite.*Vesperugo (Vesperugo) Kühli*
African Chiroptera name .....*Pipistrellus kuhlii*
b Incisive supérieure interne bilobée; l'externe très apparente. son sommet s'écartant peu du niveau du lobe externe de l'interne. 21
21 a Bord externe de l'oreille à peu près rectiligne dans son tiers supérieur. Pénis de longueur moyenne (environ $^1/_2$ centim.). Longueur avant - bras, 30 à 33 mill. .....*Vesperugo (Vesperugo) pipistrellus*
African Chiroptera name .....*Pipistrellus pipistrellus*
b Bord externe de l'oreille légèrement excavé en haut. Pénis très long (13 mill. environ). Longueur avant-bras, 35 à 36 mill. .....*Vesperugo (Vesperugo) abramus*
22 a Calcanéum très long, occupant environ les trois quarts de la distance du tarse à l'angle postérieur de la membrane interfémorale; cet angle très aigu. Membrane alaire insérée au talon ou au métatarse..... 23
b Calcanéum n'occupant guère que la moitié de ladite distance et membrane interfémorale terminée en arrière par un angle obtus. Membrane alaire insérée à la base des orteils. 25
23 a Aile insérée au métatarse. Avant-bras, environ 38 mill..... *Vespertilio Daubentoni*
b Aile insérée au talon. Avant-bras, plus de 40 mill. 24
24 a Oreillon à pointe très aiguë et recourbée en dehors. Avant-bras, environ 41 mill. .....*Vespertilio Capaccinii*
African Chiroptera name .....*Myotis capaccinii*
b Oreillon obtus et recourbé en dedans. Avant-bras, 43 à 46 mill.*Vespertilio dasycneme*
25 a Avant-bras, environ 60 mill.....*Vespertilio murinus*
b Avant-bras, au plus 43 mill. environ. 26
26 a Oreillon assez aigu, droit. Avant-bras, 32 à 34 mill..... *Vespertilio mystacinus*
b Oreillon très aigu et plus ou moins recourbé en arrière. Avant-bras, 38 mill. au moins. 27
27 a Hauteur de l'oreillon, environ les trois quarts de celle de l'oreille. Bord libre de la membrane interfémorale cilié de poils raides. .....*Vespertilio Nattereri*
b Hauteur de l'oreillon, au plus la moitié de celle de l'oreille. Bord libre de la membrane interfémorale nu ou ne présentant que des poils ordinaires..... 28

28 a Oreille profondément èchancrèe sur son bord externe et sensiblement plus courte que la tête.....*Vespertilio emarginatus*
African Chiroptera name .....*Myotis emarginatus*
b Oreille non échancrée et beaucoup plus longue que la tête.....*Vespertilio Bechsteini*
29 a Narines valvulées, en fentes transversales; derrière elles, une feuille nasale rudimentaire. Deux phalanges à l'index (Genus *Rhinopoma*). .....
.....*Rhinopoma microphyllum*
b Narines simples; pas de feuille nasale. Une seule phalange à l'index (Genre *Nyctinomus*). ..... *Nyctinomus Cestonii*
African Chiroptera name .....*Tadarida ventralis*

Appendix 5d: Monticelli (1889). LIX. Some remarks on the genus Taphozous.

1	a	Radio-metacarpal pouch distinct; lower lip scarcely grooved (Subgenus *Taphozous*). 2
	b	No radio-metacarpal pouch; lower lip divided in the centre of its upper surface and in front by a deep narrow groove; inner margin of the ears not papillate; feet without cushions (Subgenus *Taphonycteris*). 8
2	a	Feet very large (17 - 19 millim.); radio-metacarpal pouch generally small; forearm 72 - 75 millim.; feet with cushions; tragus with a distinct lobule at the base. .... *Taphozous (Taphozous) nudiventris* African Chiroptera name ..... Taphozous nudiventris
	b	Feet small (11 - 15 millim.); radio-metacarpal pouch well developed. 3
3	a	No gular sac; no cushions on the feet. 4
	b	Gular sac present, at least in males; feet with or without cushions. 5
4	a	Ears very large; extremity of tail not thickened; forearm 78 millim., feet 15 millim. ..... *Taphozous (Taphozous) Theobaldi*
	b	Ears moderate; extremity of tail thickened; forearm 60 - 64 millim., feet 12 - 13 millim . ..... *Taphozous (Taphozous) melanopogon*
5	a	Gular sac present in males, rudimentary or absent in females; throat hairy beneath; feet without cushions; inner margin of the ears papillate. 6
	b	Gular sac present in males, rudimentary in females; throat naked beneath; feet with cushions; inner margin of the ears not papillate. 7
6	a	Gular sac rudimentary in females; outer margin of the tragus rounded; forearm 65 - 69 millim., feet 11 - 13 millim. ..... *Taphozous (Taphozous) australis*
	b	Gular sac absent in females; outer margin of the tragus truncated; forearm 61 - 63 millim., feet 11 - 12 millim. ..... *Taphozous (Taphozous) perforatus* African Chiroptera name ..... Taphozous perforatus perforatus
7	a	Tragus slender, outer margin truncated; a distinct lobule at the base; forearm 61 - 63 millim., feet 12 - 13 millim.; fur above dark brown, beneath paler. .... *Taphozous (Taphozous) mauritianus* African Chiroptera name ..... Taphozous mauritianus
	b	Tragus moderate, outer margin rounded, without distinct lobule at the base; forearm 59 - 63 millim., feet 11 - 12 1/2 millim.; fur above and beneath varying from reddish brown to black. ..... *Taphozous (Taphozous) longimanus*
8	a	Feet large (20 - 22 millim.); gular sac present in males and females (but smaller in the latter); ears elongated, triangular; tragus without a distinct lobule at the base; forearm 86 - 89 millim. ..... *Taphozous (Taphonycteris) peli* African Chiroptera name ..... Saccolaimus peli
	b	Feet small (15-18 millim.); gular sac present in males and females; ears large; tragus with a distinct lobule at the base. 9
9	a	Gular sac rudimentary in females; the margin alone developed; fur brown above, pure white beneath; forearm 65 - 67 millim., feet 17 - 18 millim. .... *Taphozous (Taphonycteris) affinis*
	b	Gular sac developed in females; fur dark brown above and beneath; forearm 71 - 73 millim., feet 14 - 16 millim. ..... *Taphozous (Taphonycteris) saccolæmus*

Appendix 5e: Matschie (1895). Die Säugethiere Deutsch-Ost-Afrikas

1	a	Der Rand des Ohren bildet einen ovalen Ring (sieh Abb. 7) dadurch, dass sich der Aussen- und Innenrand vor der Ansatzstelle des Ohres am Kopfe berühren; die ostafrikanischen Gattungen haben am Daumen und Zeigefinger je eine Kralle (Unterordnung: Grossfledermäuse, Flederhunde, Megachiroptera). 5
	b	Der Aussenrand des Ohres entspringt an einer andern Stelle der Kopfhaut als der Innenrand; der Zeigefinger trägt niemals eine Kralle (Unterordnung: Kleinfledermäuse, Microchiroptera). 2
2	a	Nasenlöcher von häutigen Anhängen umgeben. 3
	b	Nasenlöcher ohne Anhänge. 4
3	a	Ohren mit Ohrdeckel (Hohlnasen, Nycteridae). 8
	b	Ohren ohne Ohrdeckel (Hufeisennasen, Rhinolophidae). 11
4	a	Der Schwanz is vollständig oder bis zu den allerletzten Wirbeln in die Schenkelflughaut eingeschlossen (Mops-Fledermäuse, Vespertilionidae). 15
	b	Der Schwanz ragt entweder aus der Mitte der Flughaut-Oberfläche oder aus dem Hinterrande derselben hervor (Schwanz-Fledermäuse, Emballonuridae). 22
5	a	Ein Büschel weisser Haare am vorderen Ohrrande (Fliegender Hund, *Epomophorus*). 6
	b	Ohne einen Büschel weisser Haare am vordernen Ohrrande (Nacht-Flederhund, *Xantharpyia*). 7
6	a	Rücken isabellfarbig, Bauchmitte mit schneeweissem Längsfeld. ..... *Epomophorus comptus* African Chiroptera name ..... *Epomops franqueti*
	b	Rücken braungrau bis röthlichgrau, Körper höchstens 13 cm lang. *Epomophorus minor*
	c	Rücken graubraun, Körper 15 - 16 cm lang. ..... *Epomophorus gambianus*
7	a	Körperseiten strohgelb, ein gelbliches Halsband. ..... *Xantharpyia straminea* African Chiroptera name ..... *Eidolon helvum helvum*
	b	Körperseiten braungrau, ein graues Halsband. ..... *Xantharpyia collaris* African Chiroptera name ..... *Myonycteris torquata*
	c	Körperseiten silbergraubraun, Behaarung sehr lang. ..... *Xantharpyia torquata* African Chiroptera name ..... *Myonycteris torquata*
8	a	Nasenlöcher in tiefer Längsgrube, welche jederseits mit rundlichen Anhängen versehen ist (Hohlnase, *Nycteris*). 9
	b	Nasenlöcher von einem blattartigen Besatz verdeckt (Ziernase, *Megaderma*). 10
9	a	Unterarm 6,5 cm lang. ..... *Nycteris grandis*
	b	Unterarm kürzer als 5,5 cm; das Ohr ragt angelegt weit über die Schnauzenspitze hinaus. ..... *Nycteris thebaica*
	c	Unterarm kürzer als 4,5 cm; das Ohr ragt angelegt ungefähr bis zur Schnauzenspitze. ..... *Nycteris hispida*
10	a	Der Nasenbesatz ist oval mit langem, mittleren Kiel. ..... *Megaderma frons* African Chiroptera name ..... *Lavia frons*
	b	Der Nasenbesatz besteht aus einem ovalen und einem herzförmiger Blatt. ..... *Megaderma cor* African Chiroptera name ..... *Cardioderma cor*
11	a	Nasenaufsatz hinten dreieckig gestaltet, in der Mitte desselben ein aufrechtstehender Längskamm (Hufeisennase, *Rhinolophus*). 12
	b	Nasenaufsatz vielblätterig, hinten mit drei langen zahnartigen Fortsätzen (Dreizacknase, *Triaenops*). ..... *Triaenops afer*
	c	Nasenaufsatz hinten bandförmig (Blattnase, *Hipposideros*). 13
12	a	Ohr mindestens 2,9 cm, Unterarm mindestens 6,2 cm lang. *Rhinolophus hildebrandti* African Chiroptera name ..... *Rhinolophus hildebrandtii*
	b	Ohr mindestens 2,2 cm, Unterarm mindestens 5 cm lang. ..... *Rhinolophus capensis*
	c	Ohr höchstens 1,6 cm, Unterarm höchstens 4,7 cm lang. ..... *Rhinolophus lobatus*
13	a	Hinterrand des Nasenaufsatzes glatt. 14
	b	Hinterrand des Nasenaufsatzes mit drei stumpfen Fortsatzen. .. *Hipposideros tridens* African Chiroptera name ..... *Asellia tridens*
14	a	Ohren lang und schmal. ..... *Hipposideros commersoni* African Chiroptera name ..... *Macronycteris commersoni*
	b	Ohren rundlich. ..... *Hipposideros caffer*

15 a Schwanz so lang oder länger als der Körper. 16
b Schwanz kürzer als der Körper. Hinterhaupt nicht über die Stirn vorgewölbt; zweites Glied des längsten Fingers höchstens doppelt so lang als das erste. 17
16 a Hinterhaupt stark gewölbt; das Endglied des längsten Fingers ist dreimal so lang als das erste Glied desselben; Ohren kurz, Ohrdeckel oben abgerundet (Langflügel-Flatterer, *Miniopterus*). ..... *Miniopterus scotinus*
African Chiroptera name ..... *Miniopterus natalensis*
b Hinterhaupt nicht über die Stirn vorgewölbt; das erste Glied des längsten Fingers nicht auffallend kurz; Ohren sehr lang; Ohrdeckel lang und spitz; Nasenlöcher rund (Zwerg-Flatterer, *Cerivoula*)..... *Cerivoula africana*
African Chiroptera name ..... *Kerivoula africana*
17 a Ohrdeckel sehr lang und spitz (Flattermaus, *Vespertilio*). ..... *Vespertilio bocagei*
African Chiroptera name ..... *Myotis bocagii*
b Ohrdeckel länglich oval, nach oben spitz abgerundet. 18
18 a Färbung grau oder grün (Schwirr-Fledermaus, *Nycticejus*). 21
b Färbung braun (Dämmerungs-Fledermaus, *Vesperugo*). 19
19 a Flughäute schneeweiss. ..... *Vesperus tenuipinnis*
African Chiroptera name ..... *Neoromicia tenuipinnis*
b Flughäute dunkel. 20
20 a Unterseite weiss. ..... *Vesperugo temmincki*
African Chiroptera name ..... *Pipistrellus rueppellii*
b Unterseite braun, weiss melirt, Oberkopf rostfarbig. ..... *Vesperugo minutus*
African Chiroptera name ..... *Neoromicia capensis*
c Unterseite blass rothbraun, Oberseite rothbraun. ..... *Vesperugo nanus (?)*
African Chiroptera name ..... *Neoromicia nana*
d Unterseite blass umbrabraun, Oberseite dunkel umbrabraun. . *Vesperugo grandidieri*
African Chiroptera name ..... *Pipistrellus grandidieri*
21 a Oberseite olivengräu, Unterseite gelb. ..... *Nycticejus borbonicus*
(This should be *Scotophilus viridis*.)
African Chiroptera name ..... *Scotophilus viridis*
b Oberseite grau, Unterseite weisslich. ..... *Nycticejus schlieffeni*
African Chiroptera name ..... *Nycticeinops schlieffenii*
22 a Der Schwanz ragt aus der Mitte der Flughaut-Oberfläche frei hervor. 23
b Der Schwanz ragt aus dem Hinterrande der Flughaut frei hervor (Grämler, *Nyctinomus*). 24
23 a Nasenlöcher röhrenförmig verlangert (Spaltnasen Flatterer, *Coleura*).... *Coleura afra*
b Nasenlöcher nicht verlängert (Flügeltaschen-Flatterer, *Taphozous*). ..... *Taphozous mauritianus*
24 a Lippen borstig, ungefurcht. ..... *Nyctinomus brachypterus*
African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*
b Lippen tiefgefurcht. 25
25 a Oberseite röthlich rauchbraun, Unterseite weissgrau. ..... *Nyctinomus angolensis*
African Chiroptera name ..... *Mops (Mops) condylurus*
b Oberseite umbrabraun. Unterseite graubraun. ..... *Nyctinomus bivittatus*
African Chiroptera name ..... *Chaerephon bivittatus*
c Oberseite röthlich sepiabraun, Unterseite blasser. Bauch weiss. *Nyctinomus limbatus*
African Chiroptera name ..... *Chaerephon pumilus*
d Ober-und Unterseite dunkelbraun. ..... *Nyctinomus pumilus*
African Chiroptera name ..... *Chaerephon pumilus*

Appendix 5f: Sclater (1901). The mammals of South Africa.

1	a	Crowns of the molur teeth smooth; both thumb and second digit terminating in a claw (Family Pteropodidae). 3
	b	Crowns of the molar teeth tubercular; only the thumb with a claw. 2
2	a	Nostrils surrounded by a well-developed nose-leaf; ears large, no tragus (Family Rhinolophidae). 6
	b	Nostrils at the anterior end of a longitudinal groove on the face; no nose-leaf; ears large, united and provided with tragi (Family Nycteridae). 11
	c	Nostrils at the end of the muzzle, opening simply, no nose-leaf; ears separate, with tragi; tail contained in and produced to the end of tho interfemoral membrane (Family Vespertilionidae). 12
	d	Nostrils simple, no nose-leaf; ears large, often united, tragi short and broad; first phalanx of the middle finger folded in repose on the upper surface of the metacarpal bone; tail more or less free from the the interfemoral membrane (Family Emballonuridae). 22
3	a	Tail very short, free from and in front of the interfemoral membrane; a tuft of white hairs at the base of the ears; molars $^1/_2$ (Genus*Epomophorus*). 4
	b	Tail short, contained in the interfemoral membrane; no tuft of white hairs; molars $^2/_3$ (Genus *Rousettus*). 5
4	a	Larger; fore arm 3.5 in.; fifth palatal ridge simple and divided. .... *Epomophorus gambianus*
	b	Smaller; fore arm 3.0 in.; fifth palatal ridge rhomboidal and hollowed out in the centre. ..... Epomophorus crypturus
5	a	Smaller, fore arm about 3.12, fur greyish. ..... *Rousettus collaris*
	b	Larger, fore arm about 4.5, fur yellowish, especially about the neck. .... *Rousettus stramineus*
		African Chiroptera name ..... Eidolon helvum helvum
6	a	First toe with two, others with three joints each; posterior nose-leaf triangular and erect; large antitragus (Genus *Rhinolophus*). 7
	b	All the toes with two joints only; posterior nose-leaf concave, with rounded upper margin; no antitragus (Genus *Hipposiderus*). 10
7	a	First upper premolar in the tooth row between the canine and the second upper premolar; fore arm 1.7. ..... Rhinolophus landeri
	b	Second upper premolar close to the canine forcing the first upper premolar out externally to the tooth row. 8
8	a	Ears qjuite attenuated at the tips, fore arm 2.12. ..... *Rhinolophus ferrum-equinum*
		African Chiroptera name ..... Rhinolophus ferrumequinum
	b	Ears subacutely pointed, not attenuated. 9
9	a	Ears as long as the head; horse-shoe shaped nose-leaf not concealing the sides of the muzzle; fore arm 1.8. ..... Rhinolophus capensis
	b	Ears shorter than the head; horse-shoe shaped nose-leaf, broad, concealing the sides of the muzzle; fore arm 2.2. ..... *Rhinolophus aethiops*
		African Chiroptera name ..... Rhinolophus fumigatus
	c	Ears shorter than the head; nose-leaf thickly coated with hair, hardly concealing the sides of the muzzle; fore arm 2.3. ..... *Rhinolophus hildebrandti*
		African Chiroptera name ..... Rhinolophus hildebrandtii
10	a	Larger, fore arm 3.5; frontal glandular sac with a longitudinal opening. . *Hipposiderus commersoni*
		African Chiroptera name ..... Macronycteris commersoni
	b	Smaller, fore arm 1.85; frontal glandular sac small with transverse opening. ..... *Hipposiderus caffer*
		African Chiroptera name ..... Hipposideros caffer
11	a	Ears short; tragus with concave inner margin, incisors trifid. ..... Nycteris hispida
	b	Ears long; tragus with convex margins, incisors bifid. ..... *Nycteris capensis*
		African Chiroptera name ..... Nycteris thebaica
12	a	Crown of the head flattened to the level of the face line, upper incisors close to the canines. 13

b Crown elevated above the face line; incisors separated by a space from the canines; terminal joint of the middle finger bent in repose on the under suface of the metacarpal bone (Genus *Miniopterus*)..... 21

13 a Outer margin of the ear conch ending near the angle of the mouth; ears short and triangular; tragus curved inwards or straight; premolars two or less. 14

b Outer margin of the ear conch ending opposite the inner margin of the tragus; ears generally long and narrow, the tragus long and narrow straight or outwardly curved; three upper premolars. 16

14 a Two pairs of upper incisors, inner ones bifid. 15

b One pair of upper incisors, unicuspidate, close to the canines; wing membrane thick and leatherly (Genus *Scotophilus*). ..... *Scotophilus borbonicus*

15 a No lobular projection at the angle of the mouth, tibiae short (Genus *Vespertilio*)... 17

b A lobular projection near the mouth; tibiae long (Genus *Chalinolobus*)..... ..... *Chalinolobus variegatus*
African Chiroptera name ..... *Glauconycteris variegata*

16 a Nasal opening crescentic; first and second upper premolars smaller than the third (Genus *Myotis*). ..... *Myotis tricolor*

b Nasal opening circular; first and second upper premolars nearly equal to the third (Genus *Kerivoula*). 20

17 a With one upper premolar (Subgenus *Eptesicus*). 18

b With two upper premolars, first minute and internal to the tooth-row (Subgenus *Pipistrellus*). Outer upper incisors nearly as large as the inner ones; base of thumbs and soles of feet swollen, forming adhesive discs; fore arm 1.2..... ..... *Vespertilio (Pipistrellus) nanus*
African Chiroptera name ..... *Neoromicia nana*

18 a Inner upper incisors with a small external cusp. 19

b Inner upper incisors unicuspidate; forearm 2.0. ..... *Vespertilio (Eptesicus) megalurus*
African Chiroptera name ..... *Eptesicus hottentotus*

19 a Smaller; fore arm 1.25. ..... *Vespertilio (Eptesicus) minutus*
African Chiroptera name ..... *Neoromicia capensis*

b Larger; fore arm 1.44. ..... *Vespertilio (Eptesicus) capensis*
African Chiroptera name ..... *Neoromicia capensis*

20 a Outer upper incisors minute; fur with bronze yellow extremities, fore arm 1.45. ..... *Kerivoula aerosa*

b Outer upper incisors nearly as long as the inner ones; fur with reddish brown extremities, fore arm 1.4. ..... *Kerivoula lanosa*

21 a Interfemoral membrane nearly naked; size larger; fore arm 1.8. .... *Miniopterus schreibersi*
African Chiroptera name ..... *Miniopterus schreibersii*

b Interfemoral membrane half clothed; size smaller; fore arm 1.5. *Miniopterus scotinus*
African Chiroptera name ..... *Miniopterus natalensis*

22 a Tail slender, perforating the interfemoral membrane and appearing on its upper surface (Genus *Taphozous*). ..... *Taphozous mauritianus*

b Tail thick, produced a good distance beyond the posterior margin of the interfemoral membrane (Genus *Nyctinomus*). 23

23 a Premolars $^{2}/_{2}$; antitragus separated by a deep notch; lower incisors four. 24

b Premolars $^{1}/_{2}$; antitragus separated by a very shallow notch; lower incisors, six, fore arm 1.55. ..... *Nyctinomus acetabulosus*
African Chiroptera name ..... *Mormopterus acetabulosus*

24 a Lips smooth; antitragus irregularly quadrate; fore arm 2.5. ..... *Nyctinomus africanus*
African Chiroptera name ..... *Tadarida ventralis*

b Lips vertically wrinkled; antitragus half oval. 25

25 a Ears separate; fore arm 1.75. ..... *Nyctinomus aegyptiacus*
African Chiroptera name ..... *Tadarida aegyptiaca*

b Ears conjoined by a deep band; fore arm 1.5. ..... *Nyctinomus limbatus*
African Chiroptera name ..... *Chaerephon pumilus*

Appendix 5g: Jameson (1909). LIII. On a collection of mammals from South Africa.

1	a	Larger: forearm 43 - 47 mm. 2
	b	Smaller: forearm 37 mm. Type-loc. Coast of Zanzibar. .....*Miniopterus minor*
2	a	Fur with well-marked dark brown or black bases. 3
	b	Bases of hairs scarcely darker than the rest of the fur, which is reddish-brown. Forearm 45 - 47 mm., skull 15.5. Type-loc. Gatkoppies, Waterberg District. .....*Miniopterus breyeri* African Chiroptera name ..... *Miniopterus natalensis*
3	a	Hairs very dark, both basally and at tips. 4
	b	Hairs black at the base, with light tips. Forearm 45 - 47 mm. Type-loc. "South Africa towards Natal". (Probably includes *M. scotinus* Sund., 1847. Type-loc. "Caffraria"). ..... *Miniopterus natalensis*
4	a	Larger: skull 15.5 mm., forearm 45 - 46. Type-loc. "Interior of Caffraria" (also Knysna). ..... *Miniopterus dasythrix*
	b	Smaller: skull 14.7 mm., forearm 43 - 44. Type-loc. Knysna. ..*Miniopterus fraterculus*

Appendix 5h: Andersen (1912). Catalog of the Chiroptera in the collection of the British Museum. Second Edition. Volume I: Megachiroptera

1	a	Key based on both external and cranial characters. 2
	b	Key based on dental and cranial characters. 36
2	a	Molariform teeth not multicuspidate; lower canines not proclivous. 3
	b	Molariform teeth multicuspidate, lower canines strongly proclivous (crossing upper canines at nearly right angles) (Subfamily Harpyionycterinae). Premaxillæ co-ossified in front; incisors $^{1-1}/_{1-1}$ (i^1 and i_1 lost), lower pair rudimentary, upper canines bicuspidate, lower canines tricuspidate and situated close together at extremity of mandible, cheek-teeth $^{5}/_{6}$; second finger clawed, tail absent, tibia unusually short. [1 species: Philippines] (Genus *Harpyionycteris*). ..... *Harpyionycteris whiteheadi*
3	a	Tongue simple; fixed to floor of mouth by posterior half, and without unfringed filiform papillæ at tip (figs. 65 A-H) (Subfamily Pteropodinæ). 4
	b	Tongue more extensible, fixed to floor of mouth by its posterior third, its terminal fourth or fifth covered above with unfringed filiform papillæ (figs. 65 I-L) (Subfamily Macroglossinæ). 30
4	a	Facial axis of skull conspicuously deflected against basicranial axis; alveolar line, if projected backward, passing through middle or upper edge of occipital condyle or even through some point of supraoccipital (*Rousettus* section). 5
	b	Facial axis very little deflected against basicranial axis; alveolar line, if projected backward, passing through lower edge of occipital condyle or even some distance below condyle (exceptions: *Plerotes* and *Sphærias*). 12
5	a	Incisors never $^{1-1}/_{1-1}$, lower canines normal in position, cheek-teeth $^{5}/_{6}$ or (in *Styloctenium* only) $^{5}/_{5}$; cranial rostrum not shortened, premaxillæ not more reduced than usual; second finger clawed. 6
	b	Incisors $^{1-1}/_{1-1}$, lower canines at extremity of mandible, cheek-teeth $^{4}/_{6}$ (p^1 lost); cranial rostrum at least slightly, often considerably shortened, premaxillae sublinear; second finger without claw, a short tail, wings from spinal line, back seemingly naked (the furred back being covered by the naked wing-membranes). [12 species, 13 forms: Austro-Malayan] (Genus *Dobsonia*). 174
6	a	Occipital (sublambdoid) region of skull not elongate; a short tail (third metacarpal nearly always slightly but distinctly longer than fourth and fifth) (*Rousettus* subsection). 7
	b	Occipital (sublambdoid) region of skull elongate, subtubular; no tail (fifth metacarpal nearly always slightly but distinctly longer than third and fourth. (*Pteropus* subsection). 9
7	a	Incisors $^{2-2}/_{2-2}$. 8
	b	Incisors $^{1-1}/_{2-2}$ (i^1 lost), premaxillæ spaced in front. [1 species: Celebes.] (Genus *Boneia*). ..... *Boneia bidens*
8	a	Tympanic forming a short bony auditory meatus, premaxillæ spaced in front ; m_1 equal in length to m_2 and m_3 combined. [3 species: Ethiopian and Malagasy regions.] (Genus *Eidolon*). 215
	b	No bony auditory meatus, premaxillæ in contact or co-ossified in front; m_1 shorter than m_2 and m_3 combined. [14 species: Ethiopian, E. Mediterranean, Oriental, Austro-Malayan.] (Genus *Rousettus*). 217
9	a	Incisors $^{2-2}/_{2-2}$, cheek-teeth $^{5}/_{6}$. 10
	b	Incisors $^{2-2}/_{1-1}$ (i_1 lost), cheek-teeth $^{5}/_{5}$ (m_3 lost). [1 species: Celebes] (Genus *Styloctenium*). ..... *Styloctenium wallacei*
10	a	Premaxillæ in simple contact in front; i_2 once and a half to six times the bulk of i_1 upper canines without secondary cusp (except in *Pteropus tuberculatus*). 11
	b	Premaxillæ co-ossified in front (in adults); i_2 twelve to fifteen times the bulk of i_1, upper canines with large external secondary cusp, upper molariform teeth with prominent anterior and posterior basal ledges, external main cusp of p_4, m_1, and m_2 distinctly bilobed. [2 species: Solomon Islands.] (Genus *Pteralopex*). 233
11	a	No well-differentiated antero-internal tubercle in p^4 and m^1, no sharply defined inner basal ledge in p_4, m_1, and m_2 (except in *Pteropus anetianus*). [85 species, 103 forms: Malagasy, Oriental, Austro-Malayan, Australian, Polynesian; one Ethiopian species] (Genus *Pteropus*). 70

b A well-differentiated antero-internal tubercle in p^4 and m^1 (sometimes also in p^3 and p_3), a sharply defined inner basal ledge in p_4, m_1 and m_2. [6 species, 9 forms: Philippines, W. Austro-Malaya] (Genus *Acerodon*)..... 166

12 a Brain-case peculiarly flattened posteriorly; a small whitish hair-tuft at base of ear-conch anteriorly and posteriorly (except in Scotonycteris). [All genera Ethiopian] (*Epomophorus* section). 13

b Brain-case not flattened posteriorly; no whitish tufts at base of ear-conch [*Cynopterus* section]. 20

13 a Cheek-teeth $^4/_6$ (m^2 absent), molariform teeth sublinear, with flattened crowns; palate-ridges simple (fig. 29 B) [1 species.] (Genus *Plerotes*)..... *Plerotes anchietæ*

b Cheek-teeth $^3/_5$ (p^1, m^2, and m_3 absent); some or all of the palate-ridges peculiarly modified. 14

14 a Cranial rostrum long; orbit to tip of nasals much more than lachrymal breadth..... 15

b Cranial rostrum short: orbit to tip of nasals equal to or less than lachrymal breadth. 17

15 a Rostrum long and broad, post-dental palate flattened posteriorly. 16

b Rostrum long and narrow, postdental palate deeply depressed posteriorly. [8 species, 9 forms] (Genus *Epomophorus*). 227

16 a Rostrum not deeper than usual, premaxillæ in simple contact anteriorly; lower incisors and canines biting against corresponding upper teeth, outer ridge of lower molars simple ; muzzle without cutaneous leaves, tail rudimenfary (two free caudal vertebræ); males with shoulder pouches and erectile shoulder brushes. [3 species, 4 forms] (Genus *Epomops*). 234

b Rostrum considerably increased in depth, premaxillæ ankylosed together anteriorly; lower incisors and canines closing some distance in front of upper, outer ridge of lower molars bilobed or trilobed; upper lip with cutaneous leaves, tail absent (no free caudal vertebræ); no shoulder pouches or brushes in either sex [1 species]. (Genus *Hypsignathus*). ..... *Hypsignathus monstrosus*

17 a Postzygomatic palate not (or scarcely) narrower posteriorly than anteriorly; head without white markings (except for the usual Epomophorine whitish tufts at base of ear-conch anteriorly and posteriorly)..... 18

b Postzygomatic palate either much narrower posteriorly than anteriorly or entirely absent; head with peculiar white markings. 19

18 a Postzygomatic palate at least as long as broad ; maxillary tooth-row extending backward very nearly to ventral margin of orbital cavity; soft palate with a deep median groove, narrowing posteriorly. [1 species] (Genus *Micropteropus*). ..... *Micropteropus pusillus*

b Postzygomatic palate almost twice as broad as long; maxillary tooth-row not nearly reaching ventral margin of orbital cavity; soft palate with a prominent median keel. [1 species] (Genus *Nanonycteris*). ..... *Nanonycteris veldkampi*
African Chiroptera name ..... *Micropteropus pusillus*

19 a Postzygomatic palate long, its lateral margins forming straight lines converging posteriorly; no whitish tufts at base of ear-conch. [1 species] (Genus *Scotonycteris*). ..... *Scotonycteris zenkeri*

b No postzygomatic palate, the mesopterygoid fossa continued forward nearly to level of posterior molar; small whitish hair-tufts at base of ear-conch anteriorly and posteriorly. [1 species] (Genus *Casinycteris*). ..... *Casinycteris argynnis*

20 a Cheek-teeth $^5/_6$; rostrum less shortened: orbit to tip of nasals subequal to lachrymal breadth. [The only Ethiopian genus of the section: 4 species] (Genus *Myonycteris*). 185

b Cheek-teeth less than $^5/_6$; rostrum much shortened; orbit to tip of nasals much less than (only in *Sphærias* subequal to) lachrymal breadth..... 21

21 a Two or one pair of lower incisors, lower canines normal in position; nostrils not tubular; tongue with three circumvallate papillæ. 22

b Incisors $^{1-1}/_{0-0}$ (i^2, i_1, i_2 lost), cheek-teeth $^4/_5$ (m^2, m_3 lost), lower canines close together at extremity of mandible; nostrils elongated into cylindrical tubes, tongue with four circumvallate papillæ, tail not much shorter than tibia, wings spotted. [13 species: Austro-Malaya, Australia] (Genus *Nyctimene*)..... 201

22 a Postorbital foramen (through base of postorbital process) present. 23

b Postorbital foramen absent. 26

23 a Postorbital foramen large, premaxillæ in simple contact in front; cheek-teeth $^{4}/_{5}$ (m^{2} and m_{3} lost); membranes from first toe. 24
b Postorbital foramen extremely small; premaxillæ ankylosed together in front; cheek-teeth $^{3}/_{5}$ (also p^{1} lost); membranes from second toe, tail present. [1 species: Indo-Malaya] (Genus *Dyacopterus*). ..... *Dyacopterus spadiceus*

24 a Cranial rostrum much lower at canine than at p^{3}; upper canines with secondary cusp at inner edge; tail present. 25
b Cranial rostrum as deep in front (at canine) as at p^{3}; no secondary cusp in upper canines; tail absent. [1 species: Indo-Malaya] (Genus *Megærops*). ..... *Megærops ecaudatus*

25 a Incisors $^{2-2}/_{2-2}$, i^{2} not shortened; upper canines without vertical groove on front face. [6 species, 16 forms: Oriental, W. Austro-Malayan] (Genus *Cynopterus*). 188
b Incisors $^{2-2}/_{1-1}$ (i_{1} lost), i^{2} much shortened; upper canines with distinct vertical groove on antero-medial surface. [1 species: Philippines] (Genus *Ptenochirus*). ..... *Ptenochirus jagori*

26 a Incisors simple (terete, crown not peculiarly differentiated), sub-vertical, cheek-teeth not narrow; interfemoral and calcar unmodified. 27
b Upper and lower incisors ($^{2-2}/_{2-2}$) proclivous, crowns highly differentiated, triangularly pointed, cheek-teeth ($^{4}/_{5}$) unusually narrow; interfemoral not extending beyond middle of tibia, calcar and tail absent. [1 species: Indo-China] (Genus *Sphærias*). ..... *Sphærias blanfordi*

27 a p^{3} with antero-external basal lobe or cusp. 28
b p^{3} unmodified. 29

28 a Premaxillæ in simple contact anteriorly; incisors $^{2-2}/_{1-1}$ (i_{1} lost), i^{2} much shortened, cheek-teeth $^{5}/_{5}$ (only m_{3} lost), p^{3} with large antero-external basal lobe; wings spotted. [1 species: Borneo] (Genus *Balionycteris*). ..... *Balionycteris maculata*
b Premaxillæ solidly united anteriorly; incisors $^{2-2}/_{2-2}$, i^{2} normal, cheek-teeth $^{4}/_{5}$ (m_{3} and m^{2} lost), p^{3} with well-defined antero- external basal cusp; wings (probably) not spotted. [1 species: Java] (Genus *Chironax*). ..... *Chironax melanocephalus*

29 a Incisors $^{2-2}/_{2-2}$, i^{2} normal, p_{4} and m_{1} with surface cusp: tail rudimentary,wings from second toe. [1 species: W. Austro-Malaya] (Genus *Thoopterus*). ..... *Thoopterus nigrescens*
b $^{2-2}/_{1-1}$ (i_{1} lost), i^{2} much shortened, no surface cusp in any cheek-tooth; tail about half as long as foot with claws, wings from first toe. [1 species: Indo-Malaya] (Genus *Penthetor*). ..... *Penthetor lucasi*

30 a Premaxillæ not broader in upper than in lower half, infraorbital canal shorter; third metacarpal longest, or third, fourth. and fifth subequal, terminal phalanx of third finger always much shorter than third metacarpal. (p^{1} and p_{1} often unusually large, never absent.) (*Eonycteris* section). 31
b Premaxillæ twice or thrice as broad in upper as in lower half, infraorbital canal long; fifth metacarpal longest, terminal phalanx of third finger subequal to or longer than third metacarpal, (p^{1} and p_{1} minute or absent) (*Notopteris* section). 34

31 a Premaxillæ in simple contact in front or slightly spaced; cheek-teeth less reduced in size: second finger without claw, tail subequal in length to foot with claws. (Facial axis not strongly deflected; incisors $^{2-2}/_{2-2}$, cheek-teeth $^{5}/_{6}$ or, by suppression of small m_{3}, $^{5}/_{5}$.) [3 species: Indo-Malaya, Celebes] (Genus *Eonycteris*). 212
b Premaxillæ solidly fused in front; cheek-teeth much more reduced; second finger clawed, tail rudimentary or absent. 32

32 a Upper incisors minute, crowns not peculiarly differentiated, lower incisors subequal in size; interfemoral and calcar unmodified. (Incisors $^{2-2}/_{2-2}$, cheek-teeth $^{5}/_{6}$, but individual anomalies in number of cheek-teeth of frequent occurrence in *Macroglossus*). 33
b Upper incisors large, crown well differentiated, narrowly chisel-shaped, i_{2} much larger than i_{1} and with obliquely triangular crown; lateral interfemoral unusually narrow, calcar rudimentary. (Incisors $^{2-2}/_{2-2}$, cheek-teeth $^{5}/_{6}$ or, by suppression of small m_{3} and m^{2}, $^{4}/_{5}$.) [3 species, 7 forms: Austro-Malaya, Australia] (Genus *Syconycteris*). 236

33 a Facial axis much less deflected, premaxillæ less proclivous; p^{3} (second premolar) much higher than p^{1}, lower incisors bilobate, subequally spaced; fifth metacarpal much shorter than third, fourth intermediate; males with large neck-tufts. [1 species: Ethiopian] (Genus *Megaloglossus*). ..... *Megaloglossus woermanni*

b Facial axis strongly deflected, premaxillæ more proclivous; p^3 more reduced, little higher than p^1, lower incisors simple, i_1 - i_1 widely spaced; third, fourth, and fifth metacarpals subequal; males without neck-tufts. [2 species, 6 forms: Indo-China to Solomon Islands.] (Genus *Macroglossus*). 242

34 a Premaxillæ in simple contact in front or slightly spaced, angular process of mandible large; p^1 and p_1 present (cheek-teeth $^5/_6$), p_3 smaller than m_1 and m_2: tail absent, membranes from flanks and third or fourth toe, back furred, tibia much less than half the length of forearm. 35

b Premaxillæ co- ossified in front, angular process of mandible small; p^1 and p_1 absent (cheek-teeth $^4/_5$), incisors $^{2\,-\,2}/_{1\,-\,1}$ (or in adults, i^1 being deciduous, $^{1\,-\,1}/_{1\,-\,1}$), p_3 the largest lower cheek-tooth; tail very long, subequal to forearm, membranes from spinal line and first and second toe, back seemingly naked at middle (the furred back being covered by the naked membranes), second finger without claw, tibia longer than usual (half as long as forearm). [2 species: Polynesia] (Genus *Notopteris*)..... 214

35 a Incisors $^{2\,-\,2}/_{2\,-\,2}$; second finger clawed. (Underparts much darker than back.) [1 species: New Guinea, Bismarck Archipelago] (Genus *Melonycteris*). .... *Melonycteris melanops*

b Incisors $^{2\,-\,2}/_{1\,-\,1}$ (i_1 lost); second finger without claw. (Underparts paler than back.) [1 species: Solomon Islands] (Genus *Nesonycteris*). .....*Nesonycteris woodfordi*

36 a No lower incisors (Genus *Nyctimene*)..... 201

b One or two pairs of lower incisors. 37

37 a One pair of lower incisors..... 38

b Two pairs of lower incisors. 46

38 a One pair of upper incisors. 39

b Two pairs of upper incisors (middle pair deciduous in *Notopteris*). 40

39 a Cheek-teeth $^5/_6$ on each side (Genus *Harpyionycteris*)..... *Harpyionycteris whiteheadi*

b Cheek-teeth $^4/_6$ on each side (Genus *Dobsonia*). 174

40 a Cheek-teeth $^5/_6$ on each side (Genus *Nesonycteris*).....*Nesonycteris woodfordi*

b Cheek-teeth less than $^5/_6$ on each side. 41

41 a Cheek-teeth $^5/_5$. 42

b Cheek-teeth $^4/_5$. 43

42 a Length of rostrum (orbit to tip of nasals) greater than lachrymal breadth (across lower edges of lachrymal foramina); m^1 (penultimate upper cheek-tooth) equal in size to p^4 (antepenultimate) (Genus *Styloctenium*).....*Styloctenium wallacei*

b Length of rostrum much less than lachrymal breadth: m^1 much smaller than p^4 (Genus *Balionycteris*)..... *Balionycteris maculata*

43 a Rostrum long, strongly deflected: lower incisors widely spaced; reduced number of cheek-teeth due to loss of anterior premolar above and below (p^1 and p_1) (Genus *Notopteris*)..... 214

b Rostrum short, scarcely deflected; lower incisors close together; reduced number of cheek-teeth due to loss of posterior molar above and below (m^2 and m_3). 44

44 a Postorbital foramen (through base of postorbital process) large. 45

b Postorbital foramen absent (Genus *Penthetor*). ..... *Penthetor lucasi*

45 a Surface cusps in p_4 and m_1 (third and fourth lower cheek-tooth); upper canines grooved (Genus *Ptenochirus*). ..... *Ptenochirus jagori*

b No surface cusps in check-teeth; upper canines without groove (Genus *Megærops*). ..... *Megærops ecaudatus*

46 a One pair of upper incisors (Genus *Boneia*)..... *Boneia bidens*

b Two pairs of upper incisors (outer pair often deciduous in *Epomops*)..... 47

47 a 5 upper cheek-teeth on each side (anterior tooth often deciduous in *Pteropus* and *Acerodon*)..... 48

b Less than 5 upper cheek-teeth on each side. 57

48 a A short bony auditory meatus (Genus *Eidolon*). 215

b No bony auditory meatus. 49

49 a Occiput elongate, subtubular. 50

b Occiput not elongate. 52

50 a Outer lower incisor not more (but generally less) than six times the bulk of inner.. 51

b Outer lower incisor twelve to fifteen times the bulk of inner (Genus *Pteralopex*). 233

51 a No well-defined antero-internal tubercle in p^4 and m^1 (third and fourth upper cheek-tooth) (Genus *Pteropus*)..... 70

b A well -defined antero-internal tubercle in p^4 and m^1 (Genus *Acerodon*). 166
52 a Length of rostrum (orbit to tip of nasals) subequal to lachrymal breadth (across lower edges of lachrymal foramina) (Genus *Myonycteris*). 185
b Length of rostrum conspicuously greater than lachrymal breadth. 53
53 a Outer lower incisor much higher than inner (Genus *Syconycteris*)..... 236
b Lower incisors subequal in height. 54
54 a Cheek-teeth not linear (Genus *Rousettus, Eonycteris*)..... 212
b Cheek-teeth linear. 55
55 a Premaxillæ much broader in upper than in lower half (Genus *Melonycteris*). ..... *Melonycteris melanops*
b Premaxillæ not broader above than below..... 56
56 a Lower incisors subequally spaced (Genus *Megaloglossus*).*Megaloglossus woermanni*
b Inner pair of lower incisors widely spaced (Genus *Macroglossus*). 242
57 a 4 upper cheek-teeth on each side..... 58
b 3 upper [and 5 lower] cheek- teeth on each side. 63
58 a 6 lower cheek-teeth on each side (Genus *Plerotes*). ..... *Plerotes anchietæ*
b 5 lower cheek-teeth on each side. 59
59 a Postorbital foramen (through base of postorbital process) large. 60
b Postorbital foramen absent. 61
60 a Rostrum short, scarcely deflected; inner secondary cusp in upper canines (Genus *Cynopterus*)..... 188
b Rostrum long, strongly deflected; no secondary cusp in canines (Genus *Syconycteris*) 236
61 a Incisors proclivous, highly differentiated, triangularly pointed (Genus *Sphærias*). ..... *Sphærias blanfordi*
b Incisors subvertical, simple. 62
62 a Surface cusp in third and fourth lower cheek-tooth (p_4 and m_1) (Genus *Thoopterus*) ..... *Thoopterus nigrescens*
b No surface cusp in any cheek-tooth (Genus *Chironax*). .....*Chironax melanocephalus*
63 a Length of rostrum (orbit to tip of nasals) much greater than lachrymal breadth (across lower edges of lachrymal loramina). 64
b Length of rostrum less than or subequal to lachrymal breadth. 66
64 a Post dental palate deeply depressed posteriorly (Genus *Epomophorus*)..... 227
b Postdental palate flattened posteriorly. 65
65 a Outer ridge of lower molars simple (Genus *Epomops*). 231
b Outer ridge of lower molars bilobed or trilobed (Genus *Hypsignathus*) .... *Hypsignathus monstrosus*
66 a Palate not extending beyond tooth-rows (choanæ at level of last molar) (Genus *Casinycteris*)..... *Casinycteris argynnis*
b Palate extending behind tooth-rows..... 67
67 a Premaxillæ fused anteriorly (Genus *Dyacopterus*). .....*Dyacopterus spadiceus*
b Premaxillæ separated by suture anteriorly..... 68
68 a Postzygomatic palate much narrower posteriorly than anteriorly (Genus *Scotonycteris*)..... *Scotonycteris zenkeri*
b Postzygomatic palate subequal in breadth throughout. 69
69 a Upper tooth-rows extending practically to ventral margin of orbital cavity (Genus *Micropteropus*). ..... *Micropteropus pusillus*
b Upper tooth-rows not nearly reaching ventral margin of orbital cavity (Genus *Nanonycteris*). .....*Nanonycteris veldkampi*
African Chiroptera name ..... *Micropteropus pusillus*
70 a Posterior basal ledges of large premolars distinct. 71
b Posterior basal ledges of premolars practically obliterated. (Tibia naked above in all species, except *Pteropus poliocephalus*)..... 142
71 a Skull and dentition unmodified Pteropine. Tibia generally naked above. 72
b Rostrum shortened, dentition more or less modified. Tibia nearly always clothed above..... 121
72 a Dentition not unusually heavy. Size moderate or small: forearm 94 - 171 mm. 73
b Dentition unusually heavy. Large: forearm 162 - 204 mm. (*Pteropus melanopogon* group) 118
73 a Interfemoral scarcely developed in centre. 74

b Interfemoral distinct in centre. 108
74 a Ears moderate or short, not narrowly pointed. 75
b Ears longer (reaching back of eye), narrowly pointed above. Dentition heavier (*Pteropus caniceps* group). 106
75 a Colour varying, but never blackish above and beneath with sharply contrasting light yellowish mantle (*Pteropus hypomelamus* group). 76
b Blackish above and beneatli, often sprinkled with pale greyish, and with sharply contrasting- light yellowish mantle (*Pteropus mariannus* group). 99
76 a Cheek-teeth of normal size: breadth of p^1 about one- third that of palate between p^4-p^4. 77
b Cheek-teeth reduced : breadth of p^4 less than one-fourth that of palate between p^4-p^4. Ears very small, hidden in fur; tibia thickly clothed. Forearm 95 - 99 mm. (Mascarenes). ..... *Pteropus subniger*
77 a Tibia naked above. 78
b Tibia clothed above, at least for proximal half. 94
78 a Skull larger; total length 61.3 - 68.7 mm. 79
b Skull smaller; total length 54.5 - 59.8 mm. 88
79 a Fur shorter: 10 - 14 mm. on back. Forearm 121 - 146 mm. (Mergui Archip. to New Guinea). (*Pteropus hypomelanus*) 80
b Fur longer: 18 - 19 mm. on back. (Blackish above and beneath with pale mantle and centre of breast.) Forearm 139 mm. (Andamans). ..... *Pteropus satyrus*
80 a Crown and sides of head generally similar in colour to back; blackish thickly mixed with greyish-white hairs, producing the general effect of a very dark shade of hair-brown. (Individuals occur with back and head more or less suffused with russet or wood-brown.) 81
b Crown and sides of head, in the ordinary phase, similar to or paler than mantle, varying from deep chestnut through several shades of ochra,ceous to almost cream-buff. (In some races a blackish phase occurs, and a phase with head, back, flanks, and belly grizzled greyish and blackish.) 82
81 a Mantle chestnut more or less clouded with seal-brown, rarely as bright as cinnamon-rufous. Size normal: forearm 134 - 137 mm. (Mergui Archipelago). ..... *Pteropus hypomelanus geminorum*
b Mantle much lighter; varying from bright hazel to almost ochraceous-buff. Averaging smaller: forearm 121 - 133.5 mm. (Engano). ..... *Pteropus hypomelanus enganus*
82 a Breast and belly or at least centre of breast, in the ordinary phase, some shade of cinnamon-rufous or hazel or rich ochraceous, darkening on flanks and anal region (often also on belly) into dark chestnut or sealbrown. 83
b Breast and belly, in the ordinary phase, averaging paler, tawny ochraceous or pale ochraceous or ochraceous-buff; flanks and anal region seal-brown or chestnut seal-brown (a phase with blackish underparts occurs, at least in *macassaricus*); back and rump seal-brown or Prout's brown. 87
c Palest extreme; underparts, head, and mantle ochraceous-buff or cream-buff; back and rump from seal-brown to mars-brown. Forearm 128.5 - 135.5 mm. (New Guinea; Trobriand Is.; Woodlark I.). ..... *Pteropus hypomelanus luteus*
83 a Back usually dark hair-brown. Forearm about 135 mm. (Pulo Condor; Cambodja; Siam) ..... *Pteropus hypomelanus condorensis*
b Back usually pale mouse-grey or silvery whitish-grey sprinkled with blackish, with or without buffy or brownish or russet suffusion. [Compare c^2.] 84
c Back usually seal-brown or approximately Prout's brown more or less sprinkled with light greyish. (Individuals occur with the back strongly suffused with russet.) 86
84 a Teeth averaging larger; p^3, length 4.6 - 5.1 mm. 85
b Teeth of normal size; p^3, length 4.2 - 4.8 mm. Back usually strongly suffused with golden ochraceous or Prout's brown. (Phases as in canus.) Forearm about 130 - 133.5 mm. (S. Natunas). ..... *Pteropus hypomelanus annectens*
85 a Mantle usually hazel or chestnut; back and rump not, or only slightly, suffused with buffy. (A blackish phase occurs, and a phase with head, flanks, and belly grizzled greyish and blackish.) Size as *lepidus*. (N. Natunas)... *Pteropus hypomelanus canus*
b Mantle usually darker, chocolate or seal-brown; back and rump conspicuously suffused with buffy or brownish. (Phases as in *canus*.) Forearm 131 - 139 mm. (Tambelan Is.; P. Aor; P. Tioman) ..... *Pteropus hypomelanus lepidus*

86 a Mantle varying from dark maroon-chestnut to cinnamon-rufous; prevailing colour of back seal-brown. Forearm 128 - 142.5 mm. (N. Borneo and coast islands; Sembilan Is.).....*Pteropus hypomelanus tomesi*
b Mantle averaging brighter, rich golden ochraceous-buff; back more tinged with Prout's brown. Forearm 135 - 141.5 mm. (Cagayan Sulu; Philippines). ....*Pteropus hypomelanus cagayanus*
87 a Underparts tawny ochraceous or pale ochraceous; head and mantle tawny. Forearm 131 - 145.5 mm. (Celebes; Sanghir Is.; Talaut Is.). ..... *Pteropus hypomelanus macassaricus*
b Underparts paler, golden buffy; head and mantle light ochraceous. Size as foregoing. (Gilolo group).....*Pteropus hypomelanus hypomelanus*
88 a Ears from orifice 25 - 26 mm. 89
b Ears from orifice 21 - 22 mm. 92
89 a Forearm 120.5 - 128 mm..... 90
b Forearm 113 - 119 mm..... 91
90 a Darker; underparts tawny. (Sibutu I.; Malanipa I.). .....*Pteropus speciosus*
b Lighter; underparts golden ochraceous. (Philippines; Celebes). ..... *Pteropus mimus*
91 a Flanks dark brown. (Banda Is.). .....*Pteropus pallidus*
b Flanks pale like underparts. (Timor; Bonerato; Dyampea: Salayer). ....*Pteropus griseus*
92 a Forearm 118 - 126 mm..... 93
b Forearm 109 - 114 mm (Underparts dark brownish.) (W. Solomon Is.)..... .....*Pteropus colonus*
93 a Underparts ochraceous - buffy tinged with cinnamon (Nicobars). ..*Pteropus faunulus*
b Underparts seal-brown heavily mixed with greyish (Admiralty Is.)..... .....*Pteropus admiralitatum*
94 a Fur of back directed posteriorly. 95
b Fur of back long and spreading. 98
95 a Forearm about 110 - 120 mm. Mantle russet, cinnamon, or mars-brown..... 96
b Forearm about 145 - 152 mm. Mantle bufly. 97
96 a c-m^2 less than 22 mm. Forearm 110 mm. (Central Solomon Is.)..... .....*Pteropus solomonis*
b c-m^2 more than 22 mm. Forearm 118 mm (E. Australia). .....*Pteropus brunneus*
97 a Head, back, and underparts dark brown. (New Caledonia). .....*Pteropus ornatus*
b Head and underparts ochraceous, back mixed ochraceous and brown. (Loyalty Is.). .....*Pteropus auratus*
98 a Varied with buffy on back. Forearm 125 - 137 mm. (S. Liu kiu Is.). .....*Pteropus dasymallus*
b Nearly uniform dark brownish above and beneath. Forearm 130 - 137 mm. (Formosa).....*Pteropus formosus*
99 a Small; forearm about 113 mm. (Pelew Is.).....*Pteropus pelewensis*
b Larger; forearm 139 - 154 mm. 100
100 a Eyes smaller; orbit 11.5 - 11.8 mm. 101
b Eyes larger; orbit 12.5 - 13.8 mm. 104
101 a Fur shorter: 9 - 11 mm. on back. 102
b Fur longer: 14 - 17 mm. on back. Forearm 135 - 143 mm. (S. Liu-kiu Is.). .....*Pteropus loochoënsis*
102 a Dentition weak; length of p^3 3.8 - 4 mm. Forearm 130 - 134 mm. (E. Carolines). .....*Pteropus ualanus*
b Dentition stronger; length of p^3 4.5 - 5 mm. 103
103 a Dentition moderate; length of p_4 3.9 - 4.1 mm. Forearm about 130 mm. (W. Carolines). .....*Pteropus yapensis*
b Dentition strongest; length of p_4 4.8 - 5 mm. Forearm 134 - 137 mm. (Marianne Is.). .....*Pteropus mariannus*
104 a Smaller; c-m^2 24.5 - 26, forearm 136 - 150 mm. 105
b Larger; c-m^2 27.8 - 30, forearm about 154 mm. (New Hebrides; New Caledonia). .....*Pteropus geddiei*
105 a Shorter-winged; third metacarpal about 88 - 89, forearm 136 - 137 mm. (Sta. Cruz Is.).....*Pteropus vanikorensis*

b Longer-winged; third metacarpal about 93.5 - 102.5, forearm 139 - 150 mm. (Fiji; Tonga; Samoa)..... *Pteropus tonganus*

106 a Ears about 24 mm. (orifice to tip). Back sepia suffused with golden buffy. Forearm 145 mm. (Celebes)..... *Pteropus dobsoni*

b Ears about 31 mm. (orifice to tip)..... 107

107 a Dentition stronger: length of m_1 5.1 - 5.5 mm.: fur short. Forearm 135 - 140 mm. (Gilolo group; Sula Is.: Sanghir)..... *Pteropus caniceps*

b Dentition weaker; length of m_1 about 4.7 mm.; fur longer. Forearm ? 136 mm. (? Amboina)..... *Pteropus argentatus*

108 a Ears strongly attenuated above, subacutely pointed (*Pteropus rufus* group)..... 109

b Ears rather broadly rounded off at tip (*Pteropus melanotus* group)..... 114

109 a Tibia naked above. Ears exposed. No colour contrast between lateral and median tract of back..... 110

b Tibia clothed above. Ears nearly concealed in fur. Buffy sides of back contrasting with dark spinal tract. Forearm 159 - 171 mm. (Mascarenes). ..... *Pteropus niger*

110 a Ears much longer: 37 - 38 mm. Size larger: forearm 158 - 171 mm. (Madagascar) (*Pteropus rufus*)..... 111

b Ears much shorter: 31 - 32 mm. Size smaller: forearm 134 - 157 mm. 112

111 a Averaging smaller: skull, total length 69 - 74, forearm 158.5 - 165.5 mm. (N. and C. Madagascar). ..... *Pteropus rufus rufus*
African Chiroptera name ..... *Pteropus niger*

b Averaging larger: skull about 77, forearm 170.5 mm. (S. Madagascar).*Pteropus rufus princeps*
African Chiroptera name ..... *Pteropus rufus*

112 a Back blackish, uniform or sprinkled with greyish. Larger: forearm 143 - 157 mm. 113

b Back strongly tinged with broccoli-brown. Small; forearm about 134 mm. (Aldabra I.). ..... *Pteropus aldabrensis*

113 a Back not, or extremely thinly, sprinkled with greyish; breast and belly yellowish buff. Forearm 151 - 157 mm. (Comoros). ..... *Pteropus comorensis*
African Chiroptera name ..... *Pteropus seychellensis*

b Back conspicuously sprinkled with greyish ; breast and belly much darkened with brownish Forearm 143 - 154 mm. (Seychelles). ..... *Pteropus seychellensis*

114 a Centre of breast light-coloured..... 115

b Underparts uniform blackish. 116

115 a Back blackish seal-brown. Forearm 153 - 165 mm. (Nicobars). *Pteropus melanotus*

b Back approaching hair-brown. Forearm 153 - 160 mm. (Nias)..... *Pteropus niadicus*

116 a Forearm about 150 mm. Mantle sometimes pale-coloured. (Andamans). ..... *Pteropus tytleri*

b Forearm 125 - 141 mm. Mantle never pale-coloured..... 117

117 a Skull (61.5 - 67; fur of back 18; forearm 134 - 141 mm. (Engano). ..... *Pteropus modiglianii*

b Skull 54.5 - 56; fur of back 25; forearm 125 - 135 mm. (Christmas I.). ..... *Pteropus natalis*

118 a Ears not peculiar. Forearm 179 - 204 mm. 119

b Ears semicircularly rounded off above. Forearm 162 - 172 mm. (Comoros). ..... *Pteropus livingstonei*
African Chiroptera name ..... *Pteropus livingstonii*

119 a Furred area of back restricted to narrow spinal line. Forearm 196 - 204 mm. (Amboina group; Banda; Timor Laut)..... *Pteropus melanopoqon*

b Furred area of back of normal breadth..... 120

120 a Back silvery whitish. Forearm about 190 mm. (Aru Is.). ..... *Pteropus aruensis*

b Nearly uniform yellowish above and beneath. Forearm 179 - 188 mm. (Key Is.). ..... *Pteropus keyensis*

121 a Dentition heavy. Fur never silvery whitish or buffy above and beneath..... 122

b Dentition weak or even degenerate. Unusually pale-coloured: silvery whitish or silvery buffy above and beneath (*Pteropus temmincki* group). 140

122 a m_3 always, m^2 often, conspicuously reduced; i_2 and p_1 normal. 123

b m_3, m^2, and i_1 normal; i_2 and p_1 enlarged; rostrum very short..... 132

123 a Rostrum less shortened; i_1 not reduced, $^2/_3$ - $^2/_5$ of i_2. (*Pteropus rayneri* group). . 124

b Rostrum much shortened; i_1 reduced, $^1/_4$ - $^1/_6$ of i_2 (*Pteropus lombocensis* group). 129

124 a Tibia densely furred above, at least for proximal half. (Solomon Is.). 125
b Tibia thinly haired above. Upperside generally tri-coloured. Forearm 163 - 177 mm. (Amboina group). ..... *Pteropus chrysoproctus*
125 a Brownish above and beneath with cinnamon or russet mantle. Forearm at least 121 mm. (San Christoval). ..... *Pteropus cognatus*
b Upperside tri-coloured; bright mantle, dark back, bright rump. 126
126 a Smaller; forearm 137 - 141 mm. (Guadalcanar). ..... *Pteropus rayneri*
b Larger; forearm 151 - 172 mm. 127
127 a Crown and face grizzled with buffy and greyish. 128
b Crown and face blackish seal-brown. Forearm 167 - 172 mm. (Bougainville; Shortland). ..... *Pteropus grandis*
128 a Lower leg about 76.5 mm.; colour much lighter. Forearm about 163 mm. (Rubiaua). ..... *Pteropus rubianus*
b Lower leg about 65 - 68 mm.; colour much darker. Forearm 151 - 156 mm. (Vella Lavella). ..... *Pteropus lavellanus*
129 a Tibia furred above; forearm 108 - 127 mm. 130
b Tibia naked above. Very small: forearm 94 - 99 mm. (Carolines). ..... *Pteropus molossinus*
130 a Ears exposed. 131
b Ears nearly concealed in fur. Forearm 124 - 127 mm. (Rodriguez). ..... *Pteropus rodricensis*
131 a Larger, darker. Forearm 113 - 122 mm. (Lombok; Flores). .... *Pteropus lombocensis*
b Smaller, paler. Forearm about 108 mm. (Alor I.). ..... *Pteropus solitarius*
132 a Posterior ledges of upper incisors of normal breadth (*Pteropus samoënsis* group) 133
b Posterior basal ledges of upper incisors unusually broad (*Pteropus pselaphon* group). 135
133 a No inner basal ledge in lower cheek-teeth. 134
b A broad inner basal ledge in p_4, m_1, and m_2. Forearm 123 - 130 mm. (New Hebrides) ..... *Pteropus anetianus*
134 a i_2 and p_1 slightly enlarged. Forearm 124 - 132 mm. (Fijis) ..... *Pteropus nawaiensis*
b i_2 and p_1 much enlarged. Forearm about 144 mm. (Samoas).... *Pteropus samoënsis*
135 a Tibia naked above. Small: forearm 101 - 109 mm. (Carolines) 136
b Tibia furred above. Larger: forearm 120 - 151 mm. 137
136 a Back dark brown. (Ruck atoll). ..... *Pteropus insularis*
b Back golden cream-buff. (Mortlock). ..... *Pteropus phæocephalus*
137 a Upper molariform teeth not shortened. 138
b Upper molariform teeth shortened, subquadrate. Forearm about 140 mm. (Philippines). ..... *Pteropus leucopterus*
138 a Upper canine without secondary cusp. Larger: forearm 132 - 151 mm. 139
b Upper canine with small secondary cusp. Small: forearm about 120 mm. (? Marianne Is.; ? Vanikoro). ..... *Pteropus tuberculatus*
139 a Feet hairy above; fur of back 30 mm. Forearm 132 - 141 mm. (Bonin and Volcano Is.). ..... *Pteropus pselaphon*
b Feet naked above; fur of back 20 mm. Forearm about 151 mm. (Pelew Is.). ..... *Pteropus pilosus*
140 a Head not striped. Forearm 94 - 101 mm. (Amboina group; Timor). ..... *Pteropus temmincki*
b Head striped. 141
141 a Cheek-teeth of normal breadth. Forearm 110 - 116 mm. (Bismarck Archip.). *Pteropus capistranus*
b Cheek-teeth excessively narrow. Forearm 86 - 96 mm. (Gilolo group; Celebes). ..... *Pteropus personatus*
142 a Cheek-teeth of normal breadth (breadth of p^4 $^1/_3$, rarely $^1/_4$, that of palate between p^4-p^4). 143
b Cheek-teeth excessively narrow (breadth of p^4 1/5 - $^1/_6$ that of palate between p^4-p^4) (*Pteropus scapulatus* group). 165
143 a p^3 and p^4 normal. 144
b p^3 and p^4 subsquarish. Ears long and .sharply pointed (*Pteropus macrotis* group). 163
144 a Furred area of back of normal breadth (not restricted to narrow spinal line). Middle divided palate-ridges less than 8. 145

b Furred area of back (in adults) restricted to narrow spinal line. Palate-ridges 5 + 8 + 3 (*Pteropus neohibernicus* group). 162

145 a Ears long and sharply pointed (*Pteropus vampyrus* group). 146

b Ears not long and sharply pointed. 156

146 a Smaller: forearm 148 - 154 mm. (Siam; Saigon). ..... *Pteropus lylei*

b Larger; forearm 160 - 220 mm. 147

147 a Underside of body paler than back. 148

b Underside of body quite, or nearly, as dark as back. 150

148 a Rather larger, with slenderer rostrum and smaller teeth. Forearm 163 - 177 mm. (India; Ceylon; Himalayas). (*Pteropus giganteus*) 149

b Rather smaller, with broader rostrum and heavier teeth. Forearm about 160 mm. (Maldives). ..... *Pteropus ariel*

149 a Fur shorter; 8 - 12 mm. on back. (India, Ceylon). ..... *Pteropus giganteus giganteus*

b Fur longer; 15 - 18 mm. on back. (Nepal, Assam, Manipur). ..... *Pteropus giganteus leucocephalus*

150 a Smaller; foreneck much lighter than breast. Forearm about 180 mm. (Tenasserim). ..... *Pteropus intermedius*

b Larger; foreneck subsimilar to breast. Forearm 183 - 220 mm. (Malacca ; Indo-Malaya; Lesser Sunda Is.) (*Pteropus vampyrus*). 151

151 a Non-melanistic forms; mantle generally some shade of buffy, much paler than, and strongly contrasting with, back. 152

b Melanistic forms; mantle generally blackish or vandyck-brown, similar in colour to, or not strongly contrasting with, back. 154

152 a Averaging much smaller; forearm 182.5 - 196 mm. (Borneo; Natunas). ..... *Pteropus vampyrus natunæ*

b Averaging much larger; forearm 195 - 220 mm. 153

153 a Forearm 195 - 209 mm. (Malacca; Sumatra). ..... *Pteropus vampyrus malaccensis*

b Forearm 208 - 220 mm. (Java). ..... *Pteropus vampyrus vampyrus*

154 a Averaging much larger; forearm about 214 - 217 mm. (Bali; Lombok). ..... *Pteropus vampyrus pluton*

b Averaging much smaller; forearm 182.5 - 201 mm. 155

155 a Mantle generally blackish (Timor; Savu). ..... *Pteropus vampyrus edulis*

b Mantle generally with some trace of pale colour (Philippines). ..... *Pteropus vampyrus lanensis*

156 a Blackish above and beneath, but never with light yellowish mantle (*Pteropus alecto* group). 157

b Blackish above and beneath with sharply defined light yellowish mantle (*Pteropus conspicillatus* group) 160

157 a Smaller: forearm about 141 mm. (Sumba; Savu) ..... *Pteropus morio*

b Larger; forearm 152 - 176 mm. 158

158 a Orbit smaller: 13.7- 13.9 mm.; dentition heavier: length of p^4 4.6 - 5.1 mm. Forearm 152 - 160 mm. (Bawean I.). ..... *Pteropus aterrinus*

b Orbit larger: 14.2 - 14.8 mm.; dentition weaker; length of p^4 4.1 - 4.7 mm. 159

159 a Cheek-teeth broader ; breadth of p^1 6/7 of length. Forearm 160 - 175 mm. (Celebes; Salayer; Lombok). ..... *Pteropus alecto*

b Cheek-teeth narrower; breadth of p^1 3/4 of length. Forearm 153 - 180 mm. (Australia). ..... *Pteropus gouldi*

160 a Larger: forearm about 157 - 181 mm. 161

b Smaller; forearm about 135 mm. (Amboina group) ..... *Pteropus ocularis*

161 a No well-defined spectacles. Forearm about 175 - 183 mm. (Gilolo group; W. New Guinea). ..... *Pteropus chrysauchen*

b Circumocular space and lores pale-coloured. Forearm 157 - 181 mm. (E. New Guinea; Australia). ..... *Pteropus conspicillatus*

162 a Back dark vandyck-brown. Forearm about 190 mm. (New Guinea). ..... *Pteropus papuanus*

b Back lighter, from yellowish buffy to mars-brown. Forearm 187 - 199 mm. (Bismarck Archip.). ..... *Pteropus neohibernicus*

163 a Tibia naked above. (Blackish above and beneath with sharply contrasting light yellowish mantle.). 164

b Tibia thickly clothed above. Forearm about 160 mm. (Australia). ..... *Pteropus poliocephalus*

164 a Larger; forearm 136 - 141 mm. (New Guinea). ..... *Pteropus epularius*

b Smaller; forearm about 120 mm. (Aru Is.). ..... *Pteropus macrotis*

165 a Ears long and pointed. Much larger; forearm 131 - 143 mm. (Australia). ..... *Pteropus scapulatus*

b Ears small, nearly concealed in fur. Much smaller; forearm 92 - 99 mm. (Solomon Is.). ..... *Pteropus woodfordi*

166 a No antero-internal cusp in p_3. Ears longer than muzzle (front of eye to tip of nose), subacutely pointed. Colour pale : back and underparts approximately mars-brown or vandyck-brown lightened with golden buffy, head and mantle essentially buffy. (Celebes and Timor groups). 167

b A distinct antero-internal cusp in p_3. Ears shorter than muzzle, narrowly rounded off above. Colour dark; back and underparts seal-brown or burnt-umber, more or less sprinkled with pale hairs; mantle chestnut or dark cinnamon-rufous.. (Talaut Is. ; Philippines). 171

167 a Dentition weaker; m^1, length (antero- posterior extent of crown) 4.7 - 5 mm. Skull, total length 62 - 63. Forearm 130 - 140. (Celebes group). ..... *Acerodon celebensis*

b Dentition much heavier: m^1, length 5.6 - 6 mm. Skull, total length 66 - 72. (Timor group). 168

168 a Larger; skull, total length 69 - 72 mm.; forearm 139 - 156. (Timor, Flores, Alor) (*Acerodon mackloti*). 169

b Smaller; skull, total length 66 mm.; forearm 135. (Sumba). ..... *Acerodon gilvus*

169 a Smaller; forearm 139 - 146 mm. 170

b Larger; forearm about 156 mm. (Alor). ..... *Acerodon mackloti alorensis*

170 a Underside of body darker (Timor). ..... *Acerodon mackloti mackloti*

b Underside of body conspicuously paler (Flores). ..... *Acerodon mackloti floresii*

171 a No pale nuchal patch. Small; forearm 140 mm. (Talaut Is.). ..... *Acerodon humilis*

b A pale nuchal patch. Large; forearm 165 -:205 mm. (Philippines). 172

172 a Forearm 182 - 205 mm. (Philippines generally) (*Acerodon jubatus*). 173

b Forearm about 165 mm. (Panay). ..... *Acerodon Lucifer*

173 a Smaller; forearm 182 - 196 mm. (Islands north of Mindanao). *Acerodon jubatus jubatus*

b Larger; forearm about 205 mm. (confined to the southern island). .. *Acerodon jubatus mindanensis*

174 a Premolars and molars simple; no well-marked antero-internal and posterior basal ledges, no surface-ridges. (*Dobsonia minor* group). Smallest species, forearm about 80 mm. (N.W. New Guinea). ..... *Dobsonia minor*

b A well-marked antero-internal basal ledge (or cusp) at least in p^4 and p_4, a posterior basal ledge at least in p^3, p_3, and p_4, a median surface-ridge (or cusp) at least in m^1 and m_2, often also in p^4 and m_1. 175

175 a Antero-internal corner of m_1 not differentiated as a distinct cusp or ledge (*Dobsonia moluccensis* group). 176

b Antero-internal corner of m_1 sharply marked off as a distinct cusp or ledge. 179

176 a Much smaller; c-m^2 (crowns) 19.8 - 21.3 mm., forearm 109 - 116. 177

b Much larger, with relatively considerably heavier dentition; c-m^2 24.5 - 27.8 mm., forearm 133.5 - 152.5. 178

177 a Rather larger; skull 52 mm., c-m^2 20.5 - 21.3, maxillary teeth on the whole heavier, forearm about 112.5 - 116; surface-ridge distinct in m^1, m_1, and m_2. (Celebes). ..... *Dobsonia exoleta*

b Rather smaller; skull 47 - 48 mm., c-m^2 about 198, maxillary teeth on the whole weaker, forearm about 109 - 112; surface-ridge distinct in m^1 and m_2, rarely (if ever) in m_1. (Trobriand; B'Entrecasteaux; Louisiade Arch.). ..... *Dobsonia pannietensis*

178 a Forearm about 133.5 - 141 mm. (Amboina group: Aru Is.). .... *Dobsonia moluccensis*

b Forearm about 146 - 152.5 mm. (New Guinea; Mysol; Waigeon). .. *Dobsonia magna*

179 a No well-marked antero-internal basal ledge in m^1; longitudinal ridges of cheek-teeth simple (*Dobsonia peroni* group). 180

b Antero-internal corner of m^1 sharply marked off as a distinct ledge; generally a more or less distinct notch in longitudinal ridges of p^4, m^1, p_1, and m_1 behind main cusp of ridge (*Dobsonia viridis* group). 181

180 a Skull 48.8 - 51.7 mm., c-m^2 20 - 22, forearm 108.5 - 117. (Timor group). ..... *Dobsonia peroni*
b Skull 46.5 mm., c-m^2 18.8, forearm 106. (Sumba). ..... *Dobsonia sumbana*
181 a Forearm 111 - 128.5 mm..... 182
b Forearm 105.5 - 109.5 mm..... 184
182 a Lachrymal breadth of rostrum 11.5 - 12.8 mm. 183
b Rostrum conspicuously heavier; breadth across lower edges of lachrymal foramina 12.8 - 13.8 mm.; forearm 111.5 - 121.5 mm. (Bismarck Arch.).... *Dobsonia prædatrix*
183 a Teeth smaller (measurements p. 482); forearm 111 - 118 mm. (Amboina group; Banda Is; Key Is.). ..... *Dobsonia viridis*
b Teeth larger (measurements p. 482); forearm 125 - 128.5 mm. (Gilolo group). ..... *Dobsonia crenulata*
184 a Tip of nasals above middle or front half of alveole of canine; teeth smaller (measurements p. 482). (E. Solomon Is.). ..... *Dobsonia inermis*
b Tip of nasals above hinder edge of alveole of canines; teeth conspicuously heavier (measurements p. 482). (W. and C. Solomon Is.). ..... *Dobsonia nesea*
185 a Dentition weak (figs. 47 A, B); outer and inner ridge of p_4 completely fused anteriorly (fig. 47 C); lower canines at least as high as p_3 (fig. 46); no sagittal crest; coronoid process narrow (fig. 46) (Subgenus Myonycteris). 186
b Premolars and molars much heavier (figs. 47 A', B', below); outer and inner ridge of p_4 widely .separated (fig. 47 C'); canines unusually short, those in mandible lower than p_3 (fig. 47 D'); sagittal crest present; coronoid process broad (fig. 47 D') (Subgenus *Phygetis*). Forearm 63.5 mm. (San Thomé).. *Myonycteris (Phygetis) brachycephala* African Chiroptera name ..... *Myonycteris brachycephala*
186 a Median palatal length 16.3 - 16.8 mm.; m^2 less reduced, about twice the bulk of p^1. . 187
b Median palatal length 14.8 - 15 mm.; m^2 more reduced, subequal to p^1. Forearm 56 - 60.5 mm. (Angola; Lower Congo). ..... *Myonycteris (Myonycteris) torquata* African Chiroptera name ..... *Myonycteris torquata*
187 a Molariform teeth larger; m^1, length 2.2, breadth 1.5 - 1.6 mm.; forearm 65 - 67. (Welle Dist.). ..... *Myonycteris (Myonycteris) wroughtoni* African Chiroptera name ..... *Myonycteris torquata wroughtoni*
b Molariform teeth shorter and narrower; m^1, length 1.8, breadth 1.2 mm.; forearm 61. (Sierra Leone; Liberia)..... *Myonycteris (Myonycteris) leptodon* African Chiroptera name ..... *Myonycteris leptodon*
188 a Cheek-teeth narrower, oval in outline; surface cusp in p_4 and m_1, small or entirely absent. (*Cynopterus* section). 189
b Cheek-teeth broader, subrectangular or subsquarish in outline; surface cusp of p_4 and m_1 always present and well-developed. (*Niadius* section). 197
189 a Ears relatively longer, 18 - 20.5 mm. from orifice. Forearm 66 - 83 mm. (Ceylon; Indian Pen.; N. Siam; Sumatra; Java; Lombok) (*Cynopterus* sphinx). 199
b Ears relatively shorter, 13 - 18 mm. from orifice. 190
190 a Smaller: forearm 54.5 - 72 mm. (Indo-Malayan subregion, W. to Ceylon, N. to Assam, E. to Celebes) (*Cynopterus brachyotis*). 191
b Larger : forearm 75.5 - 82 mm. (Nias)..... *Cynopterus major*
191 a Averaging larger: skull (lambda to gnathion) 30.5 - 33.2, forearm 65 - 72 mm. (Assam to Sumatra, incl. Natuna and Mentawei Is.). ..... *Cynopterus brachyotis angulatus*
b Averaing smaller: skull 25.8 - 31.2, forearm 54.5 - 70.5. 192
192 a Ears relatively larger; length (from orifice) 15 - 17 mm. 193
b Ears averaging shorter and narrower; length (from orifice) 13 - 15 mm. 195
193 a Cranial rostrum (orbit to nares) usually distinctly less than one-fourth of skull (lambda to gnathion). 194
b Cranial rostrum usually subequal to one-fourth of skull. Forearm 59 - 64 mm (Ceylon). ..... *Cynoptuers brachyotis ceylonicus*
194 a Smaller: forearm 57 - 66 mm (Philippines; Celebes; Borneo; Malay Pen.; Sumatra). ..... *Cynopterus brachyotis brachyotis*
b Larger; forearm 61.5 - 68, third metacarpal 38 - 42 mm.; skull averaging broader than in *brachyotis* (Java). ..... *Cynopterus brachyotis javanicus*
c Largest; foreram 66.5 - 69.5; third metacarpal 42 - 46.5 mm (Kangean and Mata Siri Is.)..... *Cynopterus brachyotis insuarum*

195 a Cranial rostrum (orbit to nares) usually distinctly less than one-fourth of skull (lambda to gnathion). Smallest form of genus; forearm 54.5 - 59 mm (Nias). ..... *Cynopterus brachyotis minutus*
b Cranial rostrum usually subequal to one-fourth of skull. 196
196 a Smaller; forearm 59 - 66 mm (Andaman Is.)..... *Cynopterus brachyotis brachysoma*
b Larger; forearm 69.5 (or probably less) - 70.5 mm (Nicobar Is.). ..... *Cynopterus brachyotis scherzeri*
197 a Size medium; forearm 64.5 - 77.5 mm. 198
b Largest species of genus; forearm 84.5 - 89.5 mm. (Nias)..... *Cynopterus princeps*
198 a p_4 and m_1 quite as broad posteriorly as anteriorly. (Java; Sumatra). ..... *Cynopterus horsfieldi*
b p_4 and m_1 conspicuously narrower posteriorly than anteriorly. (Malay Pen.). ..... *Cynopterus harpax*
199 a Cranial rostrum (front of orbit to nares) usually a little more than, rarely equal to, one-fourth of total length of skull (lambda to gnathion); general size averaging smaller, forearm 66 - 78 mm. 200
b Cranial rostrum usually a little less than or equal to one-fourth of total length of skull ; largest form of the species, forearm 74.5 - 83 mm. (Sumatra; Java; Lombok; ? Timor). ..... *Cynopterus sphinx titthæcheilus*
200 a Averaging smaller; forearm 66 - 73.5 mm. (Ceylon; Indian Pen. S., E., and N.E.; Assam; N. Burma; N. Siam). ..... *Cynopterus sphinx sphinx*
b Averaging larger, forearm 73 - 78 mm. (Indian Pen. N.W.). ..... *Cynopterus sphinx gangeticus*
201 a Dorsal stripe narrow (not nearly $^1/_3$ of breadth of furred area of back), generally well-marked from nape to interfemoral, sometimes (*Nyctimene albiventer, minutus, varius, cyclotis*) obsolole anteriorly. 202
b Dorsal stripe very broad (about $^1/_3$ of furred area of back); premaxillæ more proclivous than in other species (fig. 64) (*Nyctimene aëllo* group). Forearm 81.5 - 84 mm. (New Guinea; Mysol). ..... *Nyctimene aëllo*
202 a Small; forearm 50 - 59, c-m^1 (crowns) 8.7 - 10.3 mm. [Sexual colour difference, so far as known, as in *Cynopterus*, i. e., males similar in colour to females, but with fore-neck and flanks much richer in colour.] 203
b Medium-sized or large; forearm 60.5 - 85.5, c-m^1 (crowns) 10.7 - 14.2 mm. [Females of all species, with the possible exception of *Nyctimene robinsoni*, much paler above and beneath than males] (*Nyctimene cephalotes* group). 207
203 a m^1 subequal in size to p^1; ears unmodified (*Nyctimene papuanus* group). 204
b m^1 noticeably smaller than p^1; ears unusually broad, semicircularly rounded off above; colour of back mottled with darker tips to the hairs (*Nyctimene cyclotis* group). Forearm about 53 mm. (New Guinea). ..... *Nyctimene cyclotis*
204 a Inner cusp of p^3 not completely fused with outer. General colour of back practically uniform (except for presence of dorsal stripe). 205
b Inner cusp of p^3 completely fused with outer. Colour of back conspicuously mottled with darker tips to the hairs; dorsal stripe indistinct in anterior half or third of back. Forearm 51 - 55 mm. 206
205 a Larger; forearm 54.5 - 59; dentition heavier; c-m^1 9.7 - 10.3 mm.; dorsal stripe broader (1/8 of furred area of back) and well-marked from nape to interfemoral; membranes usually from 2nd toe. (New Guinea and surrounding islands; Queensland). ..... *Nyctimene papuanus*
b Smaller; forearm 50 - 54.5; dentition weaker; c-m^1 8.7 mm.; dorsal stripe narrower ($^1/_{15}$ of furred area of back), often ill-defined or indistinct anteriorly; membranes usually from 3rd toe. (Gilolo group). ..... *Nyctimene albiventer*
206 a Teeth smaller: c-m^1 8.8 mm.; fur not longer than usual. (Celebes). *Nyctimene minutus*
b Teeth heavier; c-m^1 10 mm.; fur longer. (Amboiua group). ..... *Nyctimene varius*
207 a Skull smaller, lambda to gnathion 30 - 32; c-m^1 10.7 - 11.2 mm. Forearm 60.5 - 69. (Celebes; Amboina group; Tenimber Is.; Timor). ..... *Nyctimene cephalotes*
b Skull larger, lambda to gnathion 32.8 - 37.2; c-m^1 11.5 - 14.2 mm. Forearm 66 - 85.5. 208
208 a Ear conspicuously shorter than hind toot with claws, triangularly rounded off above; fur of back seal-brown at base. 209

b Ear equal in length to hind foot with claws and more acutely pointed; fur of back uniform from base to tip. Forearm about 66 - 67 mm. (Queensland). ..... *Nyctimene robinsoni*

209 a Large; forearm 70.5 - 85.5, c-m^1 12.2 - 14.2, mandible 26.7 - 29 mm..... 210

b Medium; forearm 69, c-m^1 11.5, mandible 25 mm. (Woodlark I.). ... *Nyctimene lullulæ*

210 a Ear longer, 15.5 - 17 mm. from orifice; free edge of bony palate evenly concave. 211

b Ear shorter, about 14 mm. from orifice; free edge of bony palate more acutely angular at middle. Forearm 71.5 - 80 mm. (Solomon Is.) ..... *Nyctimene scitulus*

211 a Forearm 70.5 - 77, c-m^1 12.2 - 13.0 mm. Males brownish drab above. (New Guinea; Trobriand and D'Entrecasteaux Is.)..... *Nyctimene geminus*

b Forearm 78 - 85.5, c-m^1 13.5 - 14.2 mm. Males ash-grey or greyish - hairbrown above (Bismarck Arch.). ..... *Nyctimene major*

212 a A small m_3 normallv present (cheek-teeth 5 - $^5/_6$ -6). 213

b m_3 absent (cheek-teeth 5 - $^5/_5$ - 5); size as *Eonycteris spelæa*. (Celebes). .*Eonycteris rosenbergi*

213 a Smaller; forearm, females 61.5 - 70.5, males 67.5 - 73 mm. (Burma and Siam, to Malay Pen., Sumatra, Java). ..... *Eonycteris spelæa*

b Larger; forearm, females about 79.5 mm.; colour of fur different. (Borneo).*Eonycteris major*

214 a Forearm 65.5 - 68.5 mm. (New Hebrides; Fijis). ..... *Notopteris macdonaldi*

b Forearm (only immature specimens known) at least 59 mm. (New Caledonia). ..... *Notopteris neocaledonica*

215 a Rostrum relatively longer; front of orbit to tip of nasals equalling or exceeding maxillary tooth-row; fur longer, more woolly, not closely adpressed; colour darker; forearm 127 - 131 mm. (Madagascar) ..... *Eidolon dupreanum*

b Rostrum relatively shorter; front of orbit to tip of nasals less than maxillary tooth-row; fur very short, closely adpressed; colour lighter. 216

216 a Skull larger; total length 54.5 - 62.2 mm.; tooth-rows longer: c-m^2 21 - 23.8; molars narrower; forearm 117.5 - 132. (African continent). ..... *Eidolon helvum*

b Skull smaller; total length 51.5 - 55 mm.; tooth-rows shorter: c-m^2 19.2 - 20.8; molars broader; forearm 114 - 127. (S.W. Arabia)..... *Eidolon sabæum*

217 a Brain-case conspicuously deflected; premaxillaries in contact; p_1 much larger in bulk than a lower incisor. 218

b Brain-case slightly deflected; premaxillaries co-ossified; p_1 subequal in bulk to a lower incisor; molars short and broad; wings from 2nd toe; antitragal lobe distinct (Subgenus *Lissonycteris*). Fur long and silky; lower leg 29 - 31; forearm 79 - 83.5 mm. (Ethiopian). ..... *Rousettus (Lissonycteris) angolensis*
African Chiroptera name ..... *Myonycteris angolensis*

218 a Brain-case moderately deflected; width of p^4 about one third that of palate between fronts of p^4; wings from 1st toe; antitragal lobe distinct (Subgenus *Rousettus*).... 219

b Brain-case strongly deflected; cheek-teeth excessively narrow; width of p^1 about one fifth that of palate between fronts of p^4; wings from :2nd toe; antitragal lobe obsolete (Subgenus *Stenonycteris*). Fur long and coarse; lower leg 39 - 40; forearm 88.5 - 90 mm. (Ethiopian). ..... *Rousettus (Stenonycteris) lanosus*
African Chiroptera name ..... *Stenonycteris lanosus*

219 a Pollex 30 - 37.5; 2nd phalanx of third digit 50.5 - 61.5 mm..... 220

b Pollex 24 - 30; 2nd phalanx of 3rd digit 36 - 47.2 mm. 222

220 a Ears not attenuated at tip; lower leg 40 - 45.5 mm. 221

b Ears attenuated at tip; lower leg 37 - 39.5 mm.; forearm 87 - 96. (Arabia to Sind). ..... *Rousettus (Rousettus) arabicus*

221 a Length of skull 40.5 - 43.8 8 mm.; rostrum slenderer; palate-ridges normally 4 + 3 + 1; forearm 89 - 99 mm. (S. Africa)..... *Rousettus (Rousettus) leachi*

b Length of skull 43.6 - 46.7 mm.; rostrum heavier; palate-ridges 4 + 4 + 1; forearm 88 - 99 mm. (Angola to Palestine). ..... *Rousettus (Rousettus) ægyptiacus*
African Chiroptera name ..... *Rousettus aegyptiacus*

222 a Molars not unusually narrow; fur short; notopatagium naked. 223

b Molars unusually narrow; bony palate narrow; fur longer; notopatagium and tibiæ well haired; forearm 72.5 - 75 mm. (Celebes). ..... *Rousettus (Rousettus) celebensis*

223 a m_3 elliptical (about twice as long as broad). 224

b m_3 subcircular, oval, or elliptical oval (breadth from five-sixths to two-thirds of length) (*Rousettus (Rousettus) amplexicaudatus*). 226

224 a Forearm 79 - 87.5 mm..... 225

b Larger (forearm about 91 mm.), with broader rostrum and palate. (Java). ..... *Rousettus (Rousettus) shortridgei*

225 a p^1 not deciduous; fur on nape and shoulders not thinner than usual; forearm 80.5 - 87.5 mm. (India, Himalayas; Indo-China)..... *Rousettus (Rousettus) leschenaulti*

b p^1 deciduous; nape and shoulders semi-naked; forearm 79 - 85.5 mm. (Ceylon). .....*Rousettus (Rousettus) seminudus*

226 a Cheek-teeth not broader than usual; forearm 77 - 87 mm. (Indo-Malaya, excl. Java). .....*Rousettus (Rousettus) amplexicaudatus amplexicaudatus*

b Cheek-teeth not broader than usual; forearm 73 - 81 mm. (Java). .....*Rousettus (Rousettus) amplexicaudatus minor*

c Cheek-teeth averaging broader; size as foregoing (Austro-Malaya). .....*Rousettus (Rousettus) amplexicaudatus brachyotis*

227 a One postdental palate-ridge (fig. 37 A); vertical fasciæ of mesopatagium 22 - 33. (*Epomophorus wahlbergi* group). Skull, total length 47 - 55.5 (males) and 44 - 50.5 (females), forearm 77 - 89 (males) and 72 - 86 mm. (females). (Ethiopian region, north to Cameroons and B. E. Africa, south to Benguela and E. Cape Colony). ..... *Epomophorus wahlbergi*

b Two postdental palate-ridges (tigs. 37B-D); vertical fasciæ of mesopatagium 11 - 24. (*Epomophorus gambianus* group)..... 228

228 a Fourth palate-ridge situated midway between third and fifth (figs. 37 C, D). 229

b Fourth palate-ridge much nearer third than fifth (fig. 37 B). 232

229 a Small species; sexual difference in size none or inconspicuous. Skull, total length 35.8 - 39.7, forearm 60 - 66.5 mm. 230

b Larger; males conspicuously larger than females. 231

230 a Premolars and molars heavier (measurements p. 552). (Sennaar; Abyssinia; Shoa). ..... *Epomophorus labiatus*

b Premolars and molars weaker (measurements p. 5.52). (Shoa to G. E. Africa). .....*Epomophorus minor*

231 a Size medium; skull, total length 40 - 48.8 (males) and 40 - 45 (females), forearm 71.5 - 78 (males) and 66.5 - 74 mm. (females). (Erythrea to G. E. Africa). .....*Epomophorus anurus*
African Chiroptera name ..... *Epomophorus labiatus*

b Larger; skull, total length 52 - 55 (males) and 46 - 49.7 (females), forearm about 81 - 85.5 (males) and 79 - 80 mm. (females). (Zambesi and Limpopo valleys). .....*Epomophorus crypturus*

c Largest; rostrum and palate extremely long and narrow; skull, total length 59.7 - 62 (males) and 52 - 55 (females), forearm 87 - 93 (males) and 81 - 86.5 mm. (females). (Senegal, east along Guinea coast, to Sennaar and Omo R.). .....*Epomophorus gambianus*

232 a Size as *Epomophorus gambianus*; skull, total length 58.5 - 61.5 (males), forearm about 87.5 - 91 (males) and 82.5 mm. (one female). (Benguela; Damaraland). .....*Epomophorus angolensis*
African Chiroptera name .....*Epomophorus crypturus*

b Size probably larger (known from one adult female); skull, total length 55.5, forearm 91 mm. (Shari R.). .....*Epomophorus pousarguesi*
African Chiroptera name ..... *Epomophorus gambianus pousarguesi*

233 a Anterior basal ledge of p^4 not extending on inner side of tooth; fur of back about 20 mm.; tibia and metatarsus densely clothed above; belly drab. (Bougainville). ..... *Pteralopex anceps*

b Anterior basal ledge of p^4 extending on inner side of tooth; fur of back 12 - 14 mm.; metatarsus and distal fourth of tibia naked; uniform blackish or seal-brown above and beneath. (Guadalcanar). .....*Pteralopex atrata*

234 a Four interdental and about five to seven postdental palate-ridges; three anterior interdental ridges thick, prominent, quite or nearly straight, the first and second always undivided in middle; fourth interdental and all postdental ridges thinner, serrate, more or less arcuate or angular (figs. 31 A, B)..... 235

b Three thick and prominent interdental palate-ridges; postdental palate with two pairs of prominent, triangular ridges at middle and one or a few thin and serrate ridges at palation border (fig. 31 C). Forearm of males about 88 mm. (Benguela ; Katanga). ..... *Epomops dobsoni*
African Chiroptera name ..... *Epomophorus dobsonii*

235 a Third interdental palate-ridge nearly always undivided in middle (fig. 31 A); bony palate flatter; zygomatic breadth about three-fifths of total length of skull; skull, total length 46.8 - 53 mm. (males) and 41.8 - 47 (females), forearm 88 - 96 (males) and 82 - 93 (females). (Gold Coast to Victoria Nyanza, and Loanda). ..... *Epomops franqueti*

b Third interdental palate-ridge broadly divided in middle (fig. 31 B); palate conspicuously domed; zygomatic breadth only about one-half of total length of skull; skull, total length 54.5 - 59.5 mm. (males) and 49.5 - 51.5 (females), forearm 92.5-100.5 (males) and 88 - 92.5 (females). (Sierra Leone; Liberia). *Epomops buettikoferi*

236 a Cheek-teeth elongate in transverse section (p^4, m^1, p_4, and m_1, decidedly more than half as broad as long); m^2 and m_3 present (cheek-teeth $^5/_6$). Forearm 39 - 49 mm. (Amboina group; New Guinea group, except Woodlark Is.) (*Syconycteris crassa*). 237

b Cheek-teeth linear (p^1, m^1, p_4, and m_1 only half as broad as long). 241

237 a Average size medium or small; skull, total length 25 - 27.3, forearm 39 - 44 mm. 238

b Averaging larger; skull, total length 27.6 - 29.8, forearm 43.5 - 47 mm. 240

238 a Medium; skull, total length 25.8 - 27.3, forearm 40 - 44 mm..... 239

b Small; skull, total length about 25, forearm 39 mm (Bismarck Arch.). ..... *Syconycteris crassa finschi*

239 a Tooth-rows averaging slightly longer; c-m^2 (crowns) 7.6 - 8.8 mm. (New Guinea; Aru Is.)..... *Syconycteris crassa papuana*

b Tooth-rows averaging slightly shorter; c-m ^2 (crowns) about 7 mm. (Key Is.). ..... *Syconycteris crassa keyensis*

240 a Rather smaller; skull 27.6 - 28.8, forearm 43.5 - 47 mm. (Trobriant Is.; D'Entrecastaux Is.)..... *Syconycteris crassa crassa*

b Rather larger; skull 28.8 - 29.8, forearm 46 - 49 mm. (Amboina group). ..... *Syconycteris crassa major*

241 a m^2 and m_3 present (cheek-teeth $^5/_6$). Forearm about 39 - 40.5 mm. (Queensland). ..... *Syconycteris australis*

b m^2 and m_3 absent (cheek-teeth $^4/_5$). Size as foregoing. (Woodlark Is.). ..... *Syconycteris naias*

242 a Nares directed more outward than forward; median vertical groove on upper lip obsolescent or absent. Forearm 40 - 48.5 mm. (Indo-Chinese and Indo-Malayan subregions, excluding Borneo and Philippines). ..... *Macroglossus minimus*

b Nares directed half outward, half forward; median vertical groove on upper lip sharply defined. Forearm 37 - 44.5 mm. (Austro-Malayan subregion, including Borneo and Philippines) (*Macroglossus lagochilus*). 243

243 a Premolars and molars not narrower than in M. minimus. Forearm 38 - 44.5 mm (Borneo; Philippines; Sanghir; Celebes; Amboina group). ..... *Macroglossus lagochilus lagochilus*

b Premolars and molars averaging narrower (see measurements, p. 770). Forearm 37 - 39 mm (New Guinea and adjacencies; Solomon Is.). 244

244 a Ear, length from orifice 12.5 - 13.5, greatest breadth (flattened) 9 - 9.5 mm..... 245

b Ear slightly smaller, length 11 - 12.5, greatest breadth 8 - 8.5 mm (Solomon Is.). ..... *Macroglossus lagochilus microtus*

245 a Rostrum (orbit to nares) 7.5 - 8.5 mm (Mysol; W. New Guinea; Bismarck Arch.; Key Is., Aru Is.). ..... *Macroglossus lagochilus nanus*

b Rostrum slightly shorter, about 6.8 mm (Murray Is.). ..... *Macroglossus lagochilus pygmaeus*

Appendix 5i: Monard (1935). Contribution à la mammalogie d'Angola et prodrome d'une faune d'Angola.

1	a	Couronnes des molaires aplaties, sans tubercules nets. Premier et second doigts terminés par des griffes. Queue nulle on rudimentaire. Frugivores, dd grande taille. (Megachlroptères, Pteropodidae.)..... 15
	b	Couronnes des molaires hérissées de cônes aigus, normalement 4 ou 5. Deuxième doigt non terminé par une griffe. Queue développée, comprise au moins en partie dans la membrane. Insectivores de petit taille. (Microchiroptères.)..... 2
2	a	Nez surmonté d'un feuillet nasal compliqué, muni d'un lobe aigu à sa partie supérieure. Orteils II à V il trois phalanges (Famille Rhinolophidae). ..... *Rhinolophus aethiops* African Chiroptera name .....*Rhinolophus fumigatus*
	b	Nez surmonté d'un feuillet nasal tronqué à sa partie supérieure. Orteiles II à V à deux phalanges (Famille Hipposideridae).....*Hipposideros angolensis* African Chiroptera name ..... *Hipposideros caffer*
	c	Nez compliqué d'un profond sillon médian longitudinal. Oreilles très grandes (Famille Nycteridae). .....*Nycteris capensis* African Chiroptera name .....*Nycteris thebaica*
	d	Nez simple, sans ornement et sans fente longitudinale..... 3
3	a	Queue perforant la membrane et saillant à sa surface supérieure (Famille Emballonuridae). .....*Taphozous mauritianus*
	b	Queue dépassant longuement la membrane (Famille Molossidae). (genres *Nyctinomus* et *Chaerephon*) 21
	c	Queue comprise entièrement dans la membrane, ou la dépassant seulement d'une partie de dernière vertèbre (Famille Vespertilionidae) 4
4	a	Vertex très bombé élevé au-dessus du rostre. Incisives supérieures séparées des canines. Deuxième phalange du doigt III environ trois fois plus longue que la première. ..... *Miniopterus schreibersii*
	b	Vertex plat ou peu bombé. Deuxième phalange du doigt III non extraordinairement allongée..... 5
5	a	Trois prémolaires supérieures et 3 molaires..... 6
	b	Deux prémolaires supérieures et 3 molaires..... 8
	c	Une prémolaire supérieure et 3 molaires..... 9
6	a	Ouvertures nasales circulaires. Les trois prémolaires presqu'égales..... *Kerivoula brunnea / Kerivoula lanosa*
	b	Ouvertures nasales en croissant. Troisième prémolaire plus grande que les deux premières. 7
7	a	Des glandes sur le côté externe de l'avant-bras. .....*Cistugo seabrae*
	b	Pas de glandes particulières sur les ailes. ..... *Myotis bocagei / Myotis welwischi*
8	a	Incisive supérieure externe très petite, sa pointe ne dépassant pas le cingulum de l'interne, et située extérieurement à la ligne incisive intercanine. .*Scotozous trüppellii* African Chiroptera name ..... *Pipistrellus rueppellii*
	b	Incisive supérieure externe plus petite que l'interne mais dépassant le cingulum. ....*Pipistrellus rüppellii / Pipistrellus nanus / Pipistrellus kühli / Pipistrellus anchietae / Pipistre*
9	a	Deux paires d'incisives supérieures..... 10
	b	Une paire d'incisives supérieures..... 14
10	a	Lèvre inférieure munie de lobes commissuraux. Hauteur du crâne, avec bulles, égalant environ la distance qui sépare les incisives de la racine postérieure du zygomatique. .....*Glauconycteris congicus* African Chiroptera name .....*Glauconycteris argentata*
	b	Lèvre inférieure sans lobes commissuraux. Hauteur du crâne plus petite que cette distance 11
11	a	Crâne remarquablement large et plat, avec région lacrymale renflée. Ailes remarquablement courtes et réduites. .....*Mimetillus berneri* African Chiroptera name .....*Mimetillus thomasi*
	b	Crane normal. Ailes développées. 12
12	a	Rostre convexe latéralement. Nasaux ne s'étendant pas jusqu'à mi-chemin de la constriction interorbitaire. Emargination palatale plus profonde que large..... 13

	b	Rostre concave latéralement. Nasaux s'étendant jusqu'à mi-chemin de la constriction interorbitaire. Emargination palatale plus large que profonde. .....*Vespertilio murinus*
13	a	Oreilles normales .....*Eptesicus minutus / Eptesicus capensis*
	b	Oreilles grandes ..... *Laephotis angolensis*
14	a	Première et seconde molaires supérieures avec mésostyle (petit tubercule se trouvant sur le côte externe de la dent, en son milieu) réduit, le W formé par les cônes principaux tordu ou peu net.....*Pachyotus borbonicus* African Chiroptera name .....*Scotophilus borbonicus*
	b	Mésostyle présent. W non déformé. .....*Scotoecus albigula*
15	a	5 molaires supérieures. 16
	b	4 molaires supérieures. ..... *Plerotes anchietae*
	c	3 molaires supérieures. 19
16	a	Un court meat auditif osseux.....*Eidolon helvum*
	b	Non. 17
17	a	Longueur du rostre (du bord antérieur de l'orbite à l'extrémité de nasaux) plus grande que la largeur lacrymale (genre *Rousettus*) 18
	b	Longueur du rostre égalant sa largeur. .....*Myonycteris torquata*
18	a	Avant-bras 89 – 99 mm. 4, 3, 1 plis palataux. Brun foncé et gris. ...*Rousettus leachi* African Chiroptera name .....*Rousettus aegyptiacus*
	b	Avant-bras 88 – 99 mm. 4, 4, 1 plis palataux. Brun et gris. ...*Rousettus aegyptiacus*
	c	Avant-bras 78 – 83 mm. 3, 4, 2 plis palataux. Brun châtain et brun foncé.*Rousettus angolensis* African Chiroptera name .....*Myonycteris angolensis*
19	a	Rostre plus long que la largeur lacrynale. 20
	b	Rostre environ égal à cette largeur. ..... *Micropteropus pusillus*
20	a	Partie postérieure du palais concave. ..... *Epomophorus zenkeri* African Chiroptera name .....*Kerivoula lanosa*
	b	Partie postérieure du palais plane..... *Epomophorus (Epomops) comptus* African Chiroptera name .....*Epomops franqueti*
21	a	Deux prémolaires supérieures et inférieures. Oreilles épaisses, opaques, jointes par un large bandeau. Lèvres sillonnées verticalement. (Genre *Chaerephon*) 22
	b	genre *Nyctinomus* .....*Nyctinomus bocagei* African Chiroptera name .....*Tadarida aegyptiaca bocagei*
22	a	Première prémolaire supérieure située dans la ligne dentaire..... 23
	b	Première prémolaire supérieure située extérieurement à la ligne dentaire. Avant-bras 46 mm.....*Chaerephon angolensis* African Chiroptera name .....*Mops (Mops) condylurus*
23	a	Région inférieure de la poitrine et ventre blancs. Avant-bras 38 mm. .....*Chaerephon limbatus* African Chiroptera name .....*Chaerephon pumilus*
	b	Poitrine et ventre roussâtres. 24
24	a	Avant-bras 38 mm. .....*Chaerephon pumilus*
	b	Avant-bras 47 – 50 mm. ..... *Chaerephon spillmanni* African Chiroptera name ..... *Chaerephon nigeriae spillmanni*

Appendix 5j: Frechkop (1938). Exploration du Parc National Albert. Mission G. F. De Witte (1933 - 1935). Fascicule 10. Mammifères.

1	a	Queue entièrement comprise dans l'uropatagium. 2
	b	La queue dépasse en arrière l'uropatagium, les fémurs étant en position transversale par rapport à l'axe du corps..... 4
2	a	La longue queue communique à l'uropatagium une forme angulaire; les calcanei longeant le bord de la membrane interfémorale convergent vers le bout de la queue. .....*Vespertilionidae*
	b	L'uropatagium ne forme pas de pointe dirigée en arrière. 3
3	a	L'uropatagium est tendu entre les calcanei qui sont situés parallèlement à la queue, dont le bout bifurque..... *Nycteridae*
	b	L'uropatagium contient une courte queue n'arrivant pas jusqu'à son bord postérieur ou bien la queue est tot à fait requite. ..... *Megadermidae* African Chiroptera name .....*MEGADERMATIDAE*
4	a	La queue est plus courte que les tibiae, et les bouts des calcanei sont dirigés en avant..... *Rhinolophidae*
	b	La queue dépasse en arrière les tibiae; les calcanei sont entraînés en arrière par la membrane interfémorale; un bout de la queue se dégage nettement du bord de cette dernière. ..... *Emballonuridae*
	c	La longue queue, dépassant de beaucoup les tibiae, dégage sa majeure partie de la membrane interfémorale. ..... *Molossidae*

Appendix 5k: Dorst (1948). Les chiroptères du genre Triaenops Dobson (Hipposidérines).

1	a	Bord interne de l'oreille ne présentant pas d'échancrure; oreille de grande taille. Feuille nasale relativement simple; lobes externes du trident non échancrés à leur base, du côté externe. Longueur de l'avant-bras inferieure à 50 mm. (long, moyenne : 45 mm.). ..... *Triaenops furcula* African Chiroptera name ..... *Paratriaenops furculus*
	b	Bord interne de l'oreille profondément échancré; oreille de petite taille. Feuille nasale complexe; lobes externes du trident non échancrés à leur base du côté externe. Longueur de l'avant-bras supérieure à 50 mm. (long, moyenne: 53 mm.). 2
2	a	Prolongement lancéolé de la selle bifide, le lobe antérieur étant le plus court. ..... *Triaenops afer*
	b	Prolongement de la selle se terminant par une seule pointe. 3
3	a	Echancrure du bord interne de l'oreille formant un angle obtus. Pelage de couleur toujours claire. ..... *Triaenops persicus* African Chiroptera name ..... *Triaenops afer*
	b	Echancrure de l'oreille formant un angle droit. Pelage de couleur variable, mais jamais très clair. 4
4	a	Pelage des parties supérieures roux. ..... *Triaenops rufus* African Chiroptera name ..... *Triaenops menamena*
	b	Pelage des parties supérieures gris-beige. ..... *Triaenops Humbloti* African Chiroptera name ..... *Triaenops menamena*

Appendix 5l: Malbrant and Maclatchy (1949). Faune de l'équateur Africain français.

1	a	Couronne des molaires aplatie et lisse sans tubercules marqués. Pouce et second doigt des membres antérieurs terminés par des griffes. Taille variable, souvent grande ou très grande, mais parfois très petite. Queue absente ou rudimentaire. (Sous-ordre des Megachiroptères; Chauves-souris frugivores: Pteropidae)..... 7
	b	Couronne des molaires pourvue de tubercules aigus. Deuxième doigt des membres autérieurs non terminé par une grille. Quelle en général bien développée, incluse au moins en partie dans la membrane interfémorale. Taille faible. (Sous-ordre des Microchiroptères, Chauves-souris insectivores). 2
2	a	Queue à l'extrémité libre, dépassant sensiblement la membrane interfémorale. 3
	b	Queue entièrement incluse dans la membrane interfémorale ou ne la dépassant que d'une partie de la dernière vertèbre caudale..... 4
3	a	Un tragus auriculaire petit et arrondi mais bien visible. Pas de feuilles nasales. Museau légèrement allongé. Membres postérieurs grêles. Queue grêle perforant la membrane interfémorale et saillant sur sa face supérieure. Oreilles largement séparées (Famille Emballonuridae). 18
	b	Tragus auriculaire petit, parfois même rudimentaire. Pas de feuilles nasales. Museau tronqué obliquement. Membres postérieurs trapus. Queue épaisse à la base débordant la membrane interfemorale, qui est étroite, d'au moins un tiers de sa longueur. Oreilles très rapprochées et souvent même reliées entre elles par une bande cutanée sur le front, à bords postérieurs bien descendus sur la joue (Famille Molossidae). 48
4	a	Pas de feuilles nasales. Un tragus auriculaire grêle et droit. Oreilles en général petites et largement séparées (Famille Vespertilionidae). 31
	b	Feuilles nasales plus ou moins développées, mais toujours présentes. 5
5	a	Queue beaucoup plus courte que la membrane interfémorale dont elle ne dépasse pas le bord d'insertion. Oreilles très grandes soUdées à leur base avec tragus allongé en pointe et bifurqué. Membranes. oreilles et tragus de couleur orangé brun (Famille Megadermidae). .....*Lavia frons*
	b	Queue dépassant le bord d'insertion de la membrane interfémorale. Oreilles plus petites, non soudées à la base; tragus arrondi ou absent. 6
6	a	Feuilles nasales présentes; nez compliqué d'un profond sillon médian longitudinal. Oreilles grandes: tragus de grandeur variable mais généralement petit. Queue atteignant l'extremité de la membrane interfémorale, formant un Y renversé à sa jonction avecd celle-ci (Famille Nycteridae)..... 19
	b	Feuilles nasales compliquées, affectant en général la forme d'un fer à cheval. Pas de sillon nasal. Pas de tragus. Queue se terminant en pointe dans la membrane interfémorale (Famille Rhinolophidae). 25
7	a	Langue très extensible fixée au plancher de la bouche par son tiers postérieur, sa partie terminale étant couverte en dessus de papilles filiformes. Cinquième metacarpien beaucoup plus court que le troisième. Très petite taille. Longueur de l'avant-bras ne dépassant pas 45 mm. Molaires 5/5.....*Megaloglossus Woermanni*
	b	Langue simple fixée au plancher de la bouche par sa moitié postérieure et sans papilles fififormes à l'extrémité. Taille plus grande. Longueur de l'avant-bras dépassant toujours 45 mm..... 8
8	a	Molaires 4 - 6. Palais plat. Quatre sillons palataux. Deux taches blanches à la base des oreilles. .....*Plerotes Anchietae*
	b	Molaires 5 - 6. Tête sans taches ni touffes blanches..... 9
	c	Molaires 3 - 5. Tète du mâle parfois pourvue de taches ou de touffes blanches. . 12
9	a	Axe des deux rangées de molaires supérieures passant à travers ou au-dessous du condyle occipital. Petite taille: longueur de l'avant-bras variant de 55 à 60 mm. Pelage brun, plus clair dessous, à l'exception de la collerette, qui est jaune roussâtre. .....*Myonycteris torquata*
	b	Axe de chaque rangée de molaires supérieures passant au-dessus du condyle occipital. Taille plus grande: longueur de l'avant-bras dépassant 65 mm. Museau long..... 10

10 a Bulles tympaniques pourvues d'un méat auditif osseux bien développé. Grande taille. Longueur de l'avant-bras comprise entre 110 et 132 mm. Pelage jaunâtre ou brun jaunâtre dans l'ensemble. M^1 de la mâchoire inférieure aussi longue que les deux suivantes réunies. ..... *Eidolon helvum*

b Pas de tube auditif externe osseux. Taille plus faible. Longueur de l'avant-bras comprise entre 75 et 100 mm. Pelage brun noirâtre dans l'ensemble. M^1 de la mâchoire inférieure plus courte que les deux suivantes réunies. 11

11 a Quatre sillons palataux simples et trois sillons brisés et incurvés. Première prémolaire inférieure beaucoup plus grande que les incisives inférieures. Pelage court, réduit à une étroite bande sur le milieu de la région dorsale. Avant-bras: 88 - 100 mm. ..... *Rousetus aegyptiacus*
African Chiroptera name ..... *Rousettus aegyptiacus*

b Trois sillons palataux simples et quatre sillons brisés. Première prémolaire inférieure à peu pres de la même taille que les incisives inférieures. Pelage plus long et plus abondant sur le dos. Avant-bras 78 - 83 mm. ..... *Rousetus angolensis*
African Chiroptera name ..... *Myonycteris angolensis*

12 a Rostre (du bord antérieur de l'orbit à l'extrémité des nasaux) plus long que la largeur palatale au niveau des dernières molaires, Taille grande ou assez grande. Longueur totale dépassant toujours 130 mm. 13

b Rostre court, à peu près de la même longueur que la largeur palatale au niveau des dernières molaires. Taille très faible. Longueur totale ne dépassant pas 100 mm. 16

13 a Grande taille. Longueur de l'avant-bras dépassant 110 mm. Tête grosse à museau terminé par de vastes expansions foliacées. Pas de queue. Palais très étendu. Molaires inférieures pourvues de deux ou trois tubercules. *Hypsignatus monstruosus*
African Chiroptera name ..... *Hypsignathus monstrosus*

b Taille moins grande. Queue rudimentaire mais toujours présente. Pas d'expansions foliacées à l'extrémité du museau. Molaires inférieures non tuberculées. 14

14 a Palais largen aplati et arqué. Quatrième métacarpien plus court que le cinquième. Quatre sillons palataux bien marqués en avant suivis de plusieurs autres sillons beaucoup plus irréguliers. Avant-bras 85 - 97 mm. ..... *Epomops Franqueti*

b Palais plus étroit et très déprimé. Quatrième métacarpien à peu près de la même longueur ou plus long que le cinquième. 15

15 a Un seul sillon palatal en arrière de la dernière molaire. Avant-bras 74 - 87 mm. ..... *Epomophorus Wahlbergi*

b Deux sillons palataux en arrière de la dernière molaire. Rostrum et palais très longs et étroits. Quatrième sillon palatal situé à égale distance entre le troisième et le cinquième. Avant-bras 81 - 93 mm. ..... *Epomophorus gambianus*

16 a Voûte des os palatins non sensiblement prolongée en arrière de la dernière molaire. Une tache blanche en arrière du nez et en arrière des yeux et lèvre supérieure bordée de blanc. Longueur totale atteignant environ 90 mm. ..... *Casinycteris argynnis*

b voûte des os palatins fortement prolongée en arrière de la dernière molaire. Taille un peu plus faible. 17

17 a Dernière molaire supérieure située au niveau du bord antérieur de l'orbite. Palais présentant sur l'animal en chair, un profond sillon médian allant en se rétrécissant vers l'arrière. Museau relativement large. Des touffes blanchâtres à la base des oreilles et des épaules. ..... *Micropteropus pusillus*

b Dernière molaire supérieure située sensiblement en avant du niveau du bord antérieur de l'orbite. Palais présentant sur l'animal en chair une saillie médiane. Museau plus droit que dans l'espèce précédente. Pas de tache blanche en arrière des oreilles et des épaules. ..... *Nanonycteris Veldkampi*
African Chiroptera name ..... *Micropteropus pusillus*

18 a Taille petite: tête et corps 75 - 90 mm.; avant bras 58 - 65 mm. Pelage gris brunâtre clair tiqueté dessus. Dessous blanc. ..... *Taphozous mauritianus*

b Taille plus grande; tête et corps 103 - 126 mm.; avant-bras 84 - 95 mm. Pelage brun plus ou moins foncé dessus et dessous. ..... *Saccolaimus Peli*

19 a Petite taille: avant-bras n'atteignant pas 40 mm. ..... *Nycteris nana*

b Taille plus grande: avant-bras dépassant 53 mm. ..... *Nycteris grandis*

c Taille moyenne. 20

20 a Avant-bras 47 - 50 mm. environ. 21

b Avant-bras ne dépassant pas 47 mm. 23

21 a Tragus court et ovalaire. Pelage brun foncé dessus, brun grisâtre dessous. Nycteris macrotis
b Tragus plus développé, bien dégagé en hauteur et convexe sur son bord interne. 22
22 a Dessus marron foncé et dessous blanchâtre. Taille relativement faible. Avant-bras ne dépassant pas 48 mm. ..... *Nycteris thebaïca* African Chiroptera name ..... Nycteris thebaica
b Dessus et dessous brun sombre. Taille plus grande, avant-bras dépassant 48 mm. ..... Nycteris major
23 a Dessus brun pâle. Une bande étroite blanchâtre bordant le nez dessus et latéralement..... *Nycteris pallida* African Chiroptera name ..... Nycteris hispida
b Dessus brun foncé; pas de bande blanchâtre nasale. 24
24 a Dessus brun foncé, presque noirâtre sur la partie médiane du dos; dessous plus clair que le dessus. ..... Nycteris hispida
b Dessus et dessous brun sombre. Feuille nasale recouverte de poils épais. . Nycteris arge
25 a Deux phalanges à chaque doigt. Feuilles nasales arrondies ou tronquées à la partie supérfieure, mais non prolongées en pointe. Oreille sans lobe marginal à la base (Genre Hipposideros). 26
b Trois phalanges à chaque doigt, excepté au pouce. Feuille nasale prolongée en pointe dans sa partie supérieure. Un lobe marginal à la base de l'oreille (Genre *Rhinolophus*). ..... *Rhinolophus ferrum-equinum obscurus* African Chiroptera name ..... Rhinolophus ferrumequinum
26 a Taille moyenne: avant-bras n'atteignant pas 55 mm. 27
b Taille plus grande: avant-bras atteignant ou dépassant 55 mm. 28
27 a Longueur de l'avant-bras comprise entre 46,5 et 53,8 mm. ..... Hipposideros caffer
b Longueur de l'avant-bras comprise entre 42,2 et 44,2 mm. ..... Hipposideros beatus
28 a Taille relativement très grande: avant-bras 107 mm. environ. Pelage brun olive dessus. Une marque en Y irrégulièrement présente sur le dos.... *Hipposideros gigas* African Chiroptera name ..... Macronycteris gigas
b Avant-bras plus court. 29
29 a Avant-bras: 92 mm. environ. Coloration générale blanchhâtre. Une tache blanche à l'insertion des membranes. ..... *Hipposideros Commersoni* African Chiroptera name ..... Macronycteris commersoni
b Avant-bras inférieur à 92 mm. 30
30 a Pelage d'apparence laineuse de couleur générale brun pourpré. *Hipposideros cyclops* African Chiroptera name ..... Doryrhina cyclops
b Couleur générale roux cannelle vif. ..... Hipposideros fuliginosus
31 a Six molaires supérieures et six molaires inférieures de chaque côté de la mâchoire. 32
b Quatre ou cinq molaires seulement de chaque côté de la mâchoire supérieure. ... 33
32 a Boîte crânienne haute et bombée et rostre grêle et deprime. Avant-bras, jambes et pieds bien velus. Pelage long et laineux. Oreilles disposées en entonnoir. Ouvertures nasales circulaires. Les trois prémolaires presque égales. Membrane interfémorale garnie en général de poils sur son bord terminal (Genre *Kerivoula*). 47
b Boîte crânienne de hauteur normale et plus bombée. Rostre plus épais. Avant-bras et pattes peu velues. Oreilles non disposées en entonnoir. Tragus allongé. Ouvertures nasales en croissant. Troisième prémolaire plus grande que les deux premières (Genre *Myotis*)..... 37
33 a Molaires $^{5}/_{6}$. Première phalange du troisième doigt courte, n'atteignant pas la moitié de la longueur de la seconde. Doigts 3 et 4 notablement plus longs que chez les autres Vespertilionidae (Genre *Miniopterus*)..... Miniopterus inflatus
b Molaires $^{5}/_{5}$. Première phalange du troisième doigt plus longue que la seconde (Genre *Pipistrellus*)..... 40
c Molaires $^{4}/_{5}$. 34
34 a Incisives $^{1-1}/_{3-3}$. Triangle antérieur de la première et de la deuxième molaire plus grand que le postérieur. Membrane alaire épaisse (Genre *Scotophilus*). *Scotophilus nigrita nux ou Scotophilus nigrita herero.*
b Incisives $^{2-2}/_{3-3}$. 35

35 a Lèvre inférieure munie de lobes commisuraux. Rostre étroit. Hauteur du crâne avec les bulles dépassant les deux tiers de sa longueur basilaire. Dessus clair (Genre *Glauconycteris*). 39
b Lèvre inférieure sans lobes commissuraux. Rostre large. Hauteur du crâne avec les bulles beaucoup moins grande que les deux tiers de sa longueur basilaire. 6
36 a Crâne plat et large. Ailes remarquablement courtes et réduites, le troisième doigt n'étant pas plus long que la longueur de la tête et du corps (Genre *Mimetillus*). ..... *Mimetillus Moloneyi*
b Crâne de longueur normale et pas spécialement aplati. Ailes grandes. Oreilles de taille moyenne (Genre *Eptesicus*). 44
37 a Pelage entièrement noir. ..... *Myotis megalopus*
b Pelage roux cannelle ou grisâtre dessus, gris cannelle ou blanchâtre dessous. ... 38
38 a Dessus roux cannelle. Dessous gris cannelle. Avant-bras 33 - 40 mm. environ. ..... *Myotis Bocagei*
African Chiroptera name ..... *Myotis bocagii*
b Dessus grisâtre. Dessous blanchâtre. Avant-bras 54 mm. environ. *Myotis africanus*
39 a Couleur générale gris argenté. ..... *Glauconyctéris argentatus*
African Chiroptera name ..... *Glauconycteris argentata*
b Dessus crème. Dessous blanchâtre. ..... *Glauconycteris variegata*
c Couleur générale brun noirâtre uniforme. ..... *Glauconycteris beatrix*
40 a Avant-bras 24 à 25 mm. ..... *Pipistrellus musciculus*
African Chiroptera name ..... *Hypsugo musciculus*
b Avant-bras dépassant 25 mm. 41
41 a Dessous blanc teinté de jaunâtre. ..... *Pipistrellus Rüppelli*
African Chiroptera name ..... *Pipistrellus rueppellii*
b Dessous plus sombre. 42
42 a Avant-bras 28 mm. environ. Tête et corps 47 mm. Dessus brun fumeux. Dessous un peu plus clair. ..... *Pipistrellus crassulus*
African Chiroptera name ..... *Hypsugo crassulus*
b Avant-bras 30 - 33 mm. Tête et corps 37 - 47. Dessus brun sépia ou noirâtre. Dessous plus clair. ..... *Pipistrellus nanus*
African Chiroptera name ..... *Neoromicia nana*
c Taille plus faible. Tête et corps ne depassant généralement pas 41 mm. 43
43 a Oreilles longues et pointues, le bord externe étant près des commissures labiales. ..... *Pipistrellus Pagenstecheri*
African Chiroptera name ..... *Neoromicia nana*
b Oreilles assez courtes et franchement arrondies. ..... *Pipistrellus nanulus*
44 a Avant-bras 55 mm. environ. Dessus brun foncé et dessous blanc jaunâtre. *Eptesicus serotinus gabonensis*
African Chiroptera name ..... *Eptesicus isabellinus*
b Avant-bras n'atteignant pas 55 mm. 45
45 a Tête et corps 31 mm. environ. Teinte générale brun noirâtre foncé. Dessous légèrement plus clair que le dessus. ..... *Eptesicus pusillus*
African Chiroptera name ..... *Neoromicia "incertae-sedis"*
b Tête et corps dépassant 35 mm. Teinte générale non brun noirâtre. 46
46 a Tête et corps 40 - 46 mm. Dessus brun plus ou moins foncé et dessous cendré blanchâtre. ..... *Eptesicus tenuipennis*
African Chiroptera name ..... *Neoromicia tenuipinnis*
b Tête et corps 37 mm. Dessus brun rougeâtre et dessous plus clair. ..... *Eptesicus Grandidieri*
African Chiroptera name ..... *Pipistrellus grandidieri*
47 a Avant-bras 27 mm. Une frange de poils sur le bord postértieur de la membrane interfémorale. ..... *Kerivoula muscilla*
African Chiroptera name ..... *Kerivoula lanosa*
b Avant-bras 34 - 35 mm. Pas de frange sur le bord postérieur de la membrane interfémorale. ..... *Kerivoula cuprosa*
48 a Troisième molaire complète à tubercules formant une marque en N sur sa surface (Genre *Mops*). 52
b Troisième molaire incomplète à tubercules formant une marque en V sur sa surface. 49

49 a Prémaxillaires complets couvrant complètement la zone située entre les incisives médianes. Incisives supérieures non en contact l'une avec l'autre. Une touffe de poils sur la nuque chez le mâle. Un bandeau interauriculaire bien marqué et formant parfois un bourrelet frontal (Genre *Choerophon*). 50

b Prémaxillaires incomplets et laissant apparaître une émargination entre les incisives medianes. Incisives supérieures en contact l'une avec l'autre. Pas de bandeau interauriculaire marqué. Oreilles de forme plutôt carrée (Genre *Nyctinomus*). ..... *Nyctinomus brunneus*
African Chiroptera name ..... *Tadarida aegyptiaca bocagei*

50 a Pas de bande blanche sur les flancs le long de la membrane alaire. *Choerophon frater*
African Chiroptera name ..... *Chaerephon leucogaster*

b Une bande blanche sur les flancs en bordure de l'insertion de la membrane alaire. 51

51 a Une zone blanche sur la partie médiane du dessous, couvrant le ventre et la région inguinale. ..... *Choerophon limbatus*
African Chiroptera name ..... *Chaerephon pumilus*

b Zone blanche limitée à la zone médiane. ..... *Choerophon cristatus*
African Chiroptera name ..... *Chaerephon leucogaster*

52 a Avant-bras 31 mm. environ. Dessus brun noir; dessous blanc jaunâtre sale. .... *Mops leonis*
African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*

b Avant-bras dépassant 31 mm. 53

53 a Avant-bras 47 - 49 mm. Dessus brun foncé clair et dessous plus clair. *Mops Osborni*
African Chiroptera name ..... *Mops (Mops) condylurus*

b Avant-bras 41 mm. environ. Couleur général brun noisette. ..... *Mops thersites*
African Chiroptera name ..... *Mops (Xiphonycteris) thersites*

Appendix 5m: Panouse (1951). Les chauves-souris du Maroc.

1	a	Charactères externes.	2
	b	Charactères osseux et dentaires du crâne.	23
2	a	Queue dépassant largement la membrane interfémorale (fig. 6,7).	3
	b	Queue entièrement incluse (sauf parfois les deux dernières ou la dernière vertèbre) dans la membrane interfémorale (fig. 8).	5
3	a	Queue mince et grêle, presque entièrement dégagée de la membrane interfémorale (fig. 6).	4
	b	Queue épaisse et charnue incluse jusqu'à la moitié au moins de sa longueur dans la membrane interfémorale (fig. 7). *Nyctinomus teniotis* African Chiroptera name *Tadarida teniotis*	
4	a	Queue peu ou pas plus longue que l'avant-bras qui dépasse 63 mm. de longueur. *Rhinopoma microphyllum*	
	b	Queue plus longue que l'avant-bras qui a en général moins de 62 mm. de long. *Rhinopoma cystops*	
5	a	Narines compliquées, présentant des excroissances cutanées (feuille nasale) (fig. 9 à 14).	6
	b	Narines simples, s'ouvrant à l'extrémité du museau qui ne présente pas d'excroissances cutanées (fig. 15).	13
6	a	Partie postérieure de la feuille nasale en forme de languette aiguë non divisée (fig. 9 à 12).	7
	b	Partie postérieure de la feuille nasale non en forme de languette pointue et indivise (fig. 13, 14).	12
7	a	Longueur de l'avant-bras supérieure à 54 mm. Pelage café noirâtre sur le dos, brun sur le ventre. *Rhinolophus ferrum equinum* African Chiroptera name *Rhinolophus ferrumequinum*	
	b	Longueur de l'avant-bras inférieure à 52 mm.	8
8	a	Pelage gris clair. Côtés de la selle nettement échancrés. Espèce des régions désertiques. *Rhinolophus acrotis* African Chiroptera name *Rhinolophus clivosus*	
	b	Pelage brun plus ou moins sombre. Côtés de la selle non distinctement échancrés	9
9	a	Côtés de la selle à bords parallèles (fig. 10, 11).	10
	b	Côtés de la selle à bords convergents vers le haut (fig. 12) *Rhinolophus hipposideros*	
10	a	Chauve-souris de très petite taille (avant-bras ayant 30 - 34 mm. de long). *Rhinolophus hipposideros* African Chiroptera name *Pipistrellus rueppellii fuscipes*	
	b	Chauve-souris de taille moyenne ou grande (avant-bras ayant toujours plus de 36 mm. de long).	11
11	a	Membrane alaire de couleur bistre clair. Oreille non échancrée près de sa pointe. *Rhinolophus euryale*	
	b	Membrane alaire de couleur très sombre, presque noire. Oreille légèrement échancrée près de sa pointe. *Rhinolophus mehelyi*	
12	a	Partie postérieure de la feuille nasale divisée en trois lobes (fig. 13). Oreilles grandes en forme de cornet. *Asellia tridens*	
	b	Partie postérieure de la feuille nasale presque carrée. Oreilles courtes, ouvertes en avant (fig. 14). *Hipposideros caffer*	
13	a	Partie inférieure du corps (ventre et dos) normalement velus.	14
	b	Partie inférieure du corps sans poils dessus ni dessous. *Liponycteris nudiventris* African Chiroptera name *Taphozous nudiventris*	
14	a	Première phalange du troisième doigt très courte, égale au tiers de la deuxième environ. Partie supérieure de la tête très bombée, surélevée par rapport à la face (fig. 16). *Miniopterus schreibersii*	
	b	Première phalange du troisième doigt égale ou supérieure aux 2/3 de la deuxième. Partie supérieure de la tête assez déprimée.	15
15	a	Oreilles séparées l'une de l'autre à leur base, sur le dessus de la tête (fig. 15).	16
	b	Oreilles réunies l'une à l'autre par leur base sur le dessus de la tête (fig. 17, 18). Narines prolongées en arrière par des sillons profonds.	22
16	a	Tragus (oreillon) allongé, pointu à son extrémité (fig. 19).	17
	b	Tragus court, arrondi à son extrémité (fig. 20 à 23).	19

17 a Des poils sur la membrane interfémorale entre la queue et la cuisse. Ailes insérées à la cheville (fig. 24). ..... *Myotis capaccinii*
b Pas de poils sur la membrane interfémorale. Ailes insérées à la base des orteils (fig. 8). 18
18 a Oreilles de taille normale à tragus régulièrement effilé vers son extrémité (fig. 26). ..... *Myotis myotis*
b Oreilles grandes et très larges, à oreillon large à la base et assez brusquement rétréci avant le sommet (fig. 25). ..... *Otonycteris hemprichii*
19 a Avant-bras mesurant plus de 45 mm. de long. 20
b Avant-bras mesurant moins de 35 mm. de long. 21
20 a Oreillon aussi large que long. Oreille carrée (fig. 22). ..... *Nyctalus noctula*
b Oreillon deux fois plus long que large. Oreille triangulaire (fig. 23). ..... *Eptesicus isabellinus*
21 a Une lisière blanche de 1 mm. de large environ borde l'aile entre le pied et le cinquième doigt. ..... *Pipistrellus kuhlii*
African Chiroptera name ..... *Pipistrellus hesperidus*
b Pas de lisière blanche au bord de l'aille. ..... *Pipistrellus pipistrellus*
(This should be *Pipistrellus hanaki*. see Benda et al. (2004))
African Chiroptera name ..... *Pipistrellus hanaki*
22 a Avant-bras mesurant 35 à 38 mm. de long. Oreilles plus courtes que l'avant-bras, à oreillon court et triangulaire (fig. 17, 27). ..... *Barbastella barbastellus*
b Avant-bras mesurant plus de 40 mm. de long. Oreilles très longues à tragus très allongé (fig. 18, 28). ..... *Plecotus auritus*
23 a 4 incisives à la mâchoire supérieure. 24
b 2 incisives à la mâchoire supérieure. 32
24 a 6 dents de chaque côté à la mâchoire inférieure en arrière de la canine. 25
b 5 dents de chaque côté à la mâchoire inférieure en arrière de la canine. 28
25 a 6 dents de chaque côté en arrière de la canine à la mâchoire supérieure (genre *Myotis*) (fig. 60A). 26
b 5 dents de chaque côté en arrière de la canine à la mâchoire supérieure (fig. 83A, 87A). 27
26 a Longueur totale du crâne ne dépassant pas 16 mm. ..... *Myotis capaccinii*
b Longueur totale du crâne toujours supérieure à 18 mm. ..... *Myotis myotis*
27 a Boîte crânienne très renflée, à front presque vertical (fig. 29). *Miniopterus schreibersii*
b Boîte crânienne arrondie mais non renflée; front peu distinct (fig. 30). *Plecotus auritus*
28 a Longueur totale du crâne ne dépassant pas 16 mm. 29
b Longueur totale du crâne supérieure à 17 mm. 31
29 a Incisive supérieure interne avec deux pointes (fig. 31). 30
b Incisive supérieure interne à extrémité simple (fig. 32). ..... *Pipistrellus kuhlii*
30 a 5 dents bien visibles latéralement de chaque côté en arrière de la canine à la mâchoire supérieure (fig. 66). ..... *Pipistrellus pipistrellus*
(This should be *Pipistrellus hanaki*. see Benda et al. (2004))
African Chiroptera name ..... *Pipistrellus hanaki*
b 4 dents seulement visibles latéralement de chaque côté en arrière de la canine à la mâchoire supérieure (en réalité il en existe une cinquième, première prémolaire), mais elle est minuscule et rejetée en dedans de la rangée dentaire, si bien que la canine et la seconde prémolaire se touchent (fig. 78). ..... *Barbastella barbastellus*
31 a Incisive supérieure interne avec une pointe simple (fig. 33). 5 dents de chaque côte en arrière de la canine à la mâchoire supérieure. ..... *Nyctalus noctula*
b Incisive supérieure interne avec deux pointes (fig. 34). 4 dents de chaque côté en arrière de la canine à la mâchoire supérieure. ..... *Eptesicus isabellinus*
32 a 6 incisives à la mâchoire inférieure. 33
b 4 incisives à la mâchoire inférieure. 34
33 a 4 dents de chaque côté en arrière de la canine à la mâchoire supérieure. *Otonycteris hemprichii*
b 5 dents de chaque côté en arrière de la canine à la mâchoire supérieure. *Nyctinomus teniotis*
African Chiroptera name ..... *Tadarida teniotis*
34 a 4 dents de chaque côté en arrière de la canine à la mâchoire supérieure. 35

b 5 dents de chaque côté en arrière de la canine à la mâchoire supérieure, la première d'entre elles étant parfois minuscule. 38

35 a Protubérance nasale située en arrière du plan vertical passant par la prémolaire supérieure (fig. 36, 37). 36

b Protubérance nasale située en avant du plan vertical passant par la prémolaire supérieure (fig. 35). 37

36 a Le trou suborbitaire (Ts, fig. 36) est arrondi et placé de telle façon que le bord antérieur de l'orbite (o) est dirigé vers la protubérance nasale. 40

b Le trou suborbitaire (Ts, fig. 37) est allongé et placé de telle façon que le bord antérieur de l'orbite (o) est dirigé en avant et en dessous de la protubérance nasale. .....*Asellia tridens*

37 a Longueur totale du crâne supérieure à 18 mm. Crâne non renflé en avant, presque plat sur le dessus de sa partie antérieure. .....*Rhinopoma microphyllum*

b Longueur totale du crâne inférieure à 18 mm. Crâne renflé latéralement au niveau des narines, entre lesquelles prend naissance un sillon qui va en s'approfondissant en arrière. .....*Rhinopoma cystops*

38 a Crâne court, à extrémité antérieure retroussée; protubérance nasale située très en avant, antérieure au plan vertical passant par la deuxième prémolaire supérieure; première prémolaire supérieure basse, mais large (fig. 38). ..*Liponycteris nudiventris* African Chiroptera name .....*Taphozous nudiventris*

b Crâne normale, allongé; protubérance nasale située en arrière du plan vertical passant par la deuxième prémolaire (fig. 36). 39

39 a La distance qui sépare les bords internes des bulles auditives est inférieure au tiers de la largeur de ces dernières (fig. 39); 6 dents de chaque côté en arrière de la canine à la mâchoire inférieure, mais la seconde, minuscule et rejetée en dehors de la rangée dentaire, est difficile à voir (genre *Rhinolophus*)..... 40

b La distance qui sépare les bords internes des bulles auditives est à peu près égale aux 2/3 de la largeur de ces dernières (fig. 40); 5 dents de chaque côté en arrière de la canine à la mâchoire inférieure. .....*Hipposideros caffer*

40 a Longueur du crâne supérieure à 17.5 mm. 41

b Longueur totale du crâne inférieure à 16.5 mm. .....*Rhinolophus hipposideros*

41 a Longueur totale du crâne supérieure à 22 mm. La canine et la seconde prémolaire supérieure se touchent, rejetant à l'extérieur la minuscule premolaire (fig. 41). .....*Rhinolophus ferrum equinum* African Chiroptera name .....*Rhinolophus ferrumequinum*

b Longueur du crâne inférieure à 22 mm. 42

42 a La canine et la seconde prémolaire supérieures se touchent, rejetant à l'extérieur la minuscule prémolaire supérieure (fig. 41). .....*Rhinolophus acrotis* African Chiroptera name .....*Rhinolophus clivosus*

b La canine et la seconde prémolaire sont séparées par un étroit espace (fig. 42, 43). 43

43 a La toute petite première prémolaire supérieure touche la canine mais non la seconde prémolaire (fig. 43). .....*Rhinolophus mehelyi*

b La première prémolaire supérieure touche à la fois la canine et la seconde prémolaire (fig. 42). .....*Rhinolophus euryale*

Appendix 5n: Roberts (1951). The mammals of South Africa

1	a	Megachiroptera 2
	b	Microchiroptera..... 4
2	a	Size largest, forearm about 100 mm, skull length about 50 mm, no white patch at the base of ears; jugal bone not broadened opposite the supraorbital process; 3 premolars and 2 molars above; M_1 twice the size of M_2 .....*Eidolon helvum*
	b	Size smaller, forearm less than 100 mm, skull length less than 45 mm, no white patch at base of ears; jugal bone not broadened opposide the supraorbital process; 3 premolars and 2 molars above; M_1 equal to M_2 .....*Rousettus leachii* African Chiroptera name .....*Rousettus aegyptiacus*
	c	Size large or small, but forearm less than 90 mm, skull length over 50 mm, a white patch present at the base of ear; the jugal broadened opposite the supraorbital process; only 2 premolars and one molar above. 3
3	a	With one post-dental palate ridges; palate shorter (MM: 29.5 - 30.5), but broader at M^1 (14.8 - 16) (FF 25 - 27 x 13.6 - 15).....*Epomophorus wahlbergi wahlbergi* African Chiroptera name ..... *Epomophorus wahlbergi*
	b	With two post-dental palate ridges; palate longer (MM 32 - 34), but narrower at m^1 (13.3 - 14.5) (FF 29 - 31.5 x 12.8 - 13.5)..... *Epomophorus crypturus*
4	a	With horseshoe nose-leaves 5
	b	Without horseshoe nose-leaves 6
5	a	A median sella and posterior lancet-like, erect, cutaneous processes; frontal region of skull narrowly constricted; nasal bulbs higher than frontals (Rhinolophidae) 9
	b	No median sella, though posterior erect processes may be present; frontal region of skull narrowly constricted byt nasal bulbs hardly raised above the level of the frontals (Hipposideridae) 22
6	a	Nostrils situated in a slit on th face, ears long and spatulate; frontal region of skull broad and hollowed by raised, thin, laterally expanded, plates (Nycteridae)..... 23
	b	Nostrils simple 7
7	a	Nostrils exposed at the end of the muzzle; tail, when present, to the interfemoral membrane, projecting slightly beyond in some genera; premaxilla more or less divided distally by a space between the lateral sections, which ar ecrushed against the maxilla and bear incisors; suprapostorbital processes absent (Vespertilionidae)..... 26
	b	Tail protruding from the interfemoral membrane..... 8
8	a	Tail protruding from the upper surface of the interfemoral membrane; premaxilla a thin bone on each side, wide apart, not clearly visible, situated close up against the maxillaries, which are narrow in front and bear strong canines; frontals flat; suprapostorbital processes absent (Emballonuridae).....*Taphozous mauritianus*
	b	Tail protruding from the middle of the margin of the interfemoral membrane; premaxilla present as thin bone bearing a large incisor on each side, a wide space between them; frontals hollowed; cranium vrey large and high above the muzzle; no supraorbital processes (Molossidae). 53
9	a	Width of horseshoe over 9 mm, skull length from canines over 23 mm 10
	b	Width of horseshoe less than 9 mm, skull length from canines under 23 mm..... 11
10	a	Size larger; forearm 62 - 67, skull length from canines 26 - 28; length c-m^3 9.2 - 10.1; ears larger, length 29 - 32 .....*Rhinolophus hildebrandti hildebrandti* African Chiroptera name .....*Rhinolophus hildebrandtii*
	b	Size smaller, forearm 56 - 58, skull length from canines 24; c-m^3 8.7 - 9; ears shorter, 21 - 22.5 .....*Rhinolophus aethiops* African Chiroptera name .....*Rhinolophus fumigatus*
11	a	p^3 outside the toothrow, c and p^4 in contact..... 12
	b	p^3 within the toothrow, c and p^4 not in contact 17
12	a	Tibia and hind-foot 30 - 34.5 13
	b	Tibia and hind-foot 26 - 30 15
13	a	Skull length from canines 22 - 23; upper c-m^3 length 8.1 - 9; lower c-m_3: 8.8 - 9.4 14
	b	Skull length from canines 20.7 - 22.4; upper c-m^3 7.8 - 8.4; lower c-m_3 8.2 - 9..... 16
14	a	Forearm 54 - 57.....*Rhinolophus geoffroyi augur* African Chiroptera name ..... *Rhinolophus clivosus*
	b	Forearm 51 - 54.5..... *Rhinolophus geoffroyi geoffroyi* African Chiroptera name ..... *Rhinolophus clivosus*

15 a General colour lighter ..... *Rhinolophus geoffroyi zuluensis*
African Chiroptera name ..... *Rhinolophus clivosus*
b General colour darker..... *Rhinolophus geoffroyi zambesiensis*
African Chiroptera name ..... *Rhinolophus clivosus*
16 a Average length of forearm 47, of skull from canines 20, of upper c-m^3 7.3, of lower c-m_3 7.9; colour drab-grey below .....*Rhinolophus darlingi darlingi*
African Chiroptera name .....*Rhinolophus darlingi*
b Average length of forearm 46, of skull length from canines 19.2, of upper c-m^3 7.1, of lower c-m_3 7.4; colour drag grey below.....*Rhinolophus darlingi barbertonensis*
African Chiroptera name .....*Rhinolophus darlingi*
c Average length of forearm 49, of skull from canines 20, of upper c-m^3 7.4, of lower c-m_3 7.9; colour paler above and whiter below .....*Rhinolophus darlingi damarensis*
African Chiroptera name .....*Rhinolophus damarensis*
17 a Saddle rising to a narrow and high point in the posterio half (as seen from the side) 18
b Saddle not rising to a narrow and high point in the posterior half (as seen from the side)..... 19
18 a Anterior face of the saddle rounded above, posterior connecting process broad at the base; forearm 44 - 46; skull length from canines 18 - 18.6; width across m^3 about 7 mm; p_3 outside toothrow.....*Rhinolophus lobatus*
b Anterior face of saddle pointed above, posterior connecting process narrow at the base, the process like a horn, curving forwar; forearm 46.5 - 48; skull length from canines 19 - 19.8; width across m^3 only 6.1 - 6.4; p_3 within the toothrow *Rhinolophus empusa*
African Chiroptera name .....*Rhinolophus blasii*
19 a Forearm 47 - 51; skull length from canines 20 - 21.3, upper c-m^3 7.5 - 7.8, lower c-m_3 8 - 8.5 .....*Rhinolophus capensis*
b Forearm less than 47, skull length from canines less than 19, c-m^3 less than 7, c-m_3 less than 7.5 20
20 a Wing membrane from the lower third of the tibia; tail 21 - 30, ear 19 - 21; size larger, forearm 42.5 - 45, skull length from canines 18 - 18.7, c-m^3 6.4 - 7, c-m_3 6.8 - 7.3 .....*Rhinolophus simulator*
b Wing membrane from lower third of tibia; tail 21, ear 20; size smaller, forearm 42, skull length 17, c-m^3 5.9, c-m_3 6.6..... *Rhinolophus denti*
c Wing membrane from near the ankle; tail 18 - 22, ear 15 - 18, size small, forearm 40 - 43.75; skull length from canines under 18, c-m^3 6 - 6.7, c-m_3 6.3 - 7 21
21 a Size largest, forearm 42.5 - 43.75, tail 19.5; colour as in swinnyi swinnyi*Rhinolophus swinnyi piriensis*
African Chiroptera name ..... *Rhinolophus swinnyi*
b Size smaller, forearm 40 - 42; H & B 42 - 47, tail 18 - 19, skull length from canines 17.2 - 17.7, upper c-m^3 6 - 6.7, lower c-m_3 6.3 - 7, colour wood brown above, below avellaneous .....*Rhinolophus swinnyi swinnyi*
African Chiroptera name ..... *Rhinolophus swinnyi*
c Size smallest, forearm 40, H & B 52, tail and foot, c.u. 24, ear 15, skull length from canines 17, upper c-m^3 6.3, lower c-m_3 6.5; colour near salmon-orange above and below, tipped with orange-rufous above ..... *Rhinolophus swinnyi rhodesiae*
African Chiroptera name ..... *Rhinolophus rhodesiae*
22 a Size largest, forearm over 75, skull length from canines over 30 mm, ears fairly long and pointed; hair short; back of nose-leaf in a transverse tickened ridge; skull powerful, broad in the muzzle, canines long and strong, sagittal crest from forntals to occiput as a high keel.....*Phyllorhina commersoni marungensis*
African Chiroptera name ..... *Macronycteris vittatus*
b Size intermediate, much smaller, forearm between 45 and 55, skull length between 16 and 20 mm; ears short and round, with only a slight tip; hair longer; back of nost-leaf with a thin transverse ridge; skull much lighter, narrower in the muzzle, the sagittal crest is not so high and extending only to the back of frontals. .... *Hipposideros caffer*
c Size very small, forarm less than 36; skull length less than 14 mm; ears short, rounded and hardly rising aobe the level of the hair; back of nose-leaf with a trident-like set of processes; skull very high, broad in the muzzle, but canines not vry large; sagittal crest not much developed and not extending behind the frontals. ..... *Cloeotis percivali*

23 a Forearm les than 41 mm 24
b Forearm over 41 mm 25
24 a Size smallest, forearm 38; ear 17 mm; upper and lower incisors trifurcate .... *Nycteris hispida villosa*
African Chiroptera name ..... *Nycteris hispida*
b Size small, forearm 40, ear 32 - 34; incisors bifurcate ..... *Nycteris woodi sabiensis*
African Chiroptera name ..... *Nycteris woodi*
25 a Size large, forearm 42 - 49; ear 28 - 32; upper toothrow 6.5 - 7; colour buffy to orange-rufous on head and below ..... *Nycteris capensis capensis*
African Chiroptera name ..... *Nycteris thebaica*
b Forearm 48 - 49; ear 33 - 37; upper toothrow 7.3 - 7.5; colour white on head and below ..... *Nycteris capensis damarensis*
African Chiroptera name ..... *Nycteris thebaica*
26 a Surface of forearm, tail and tibia thicky sprinkled with pointed excrescences. ..... *Rhinopterus notius*
African Chiroptera name ..... *Neoromicia capensis*
b Forearm, tail and tibia without pointed excrescences 27
27 a Second phalanx of third finger not more than two-and-a-half times the length of the first phalanx 28
b Second phalanx of third finger nearly three times the length of the first phalanx; cranium much swollen; 2 upper and 3 lower pairs of incisors, 2 upper and 3 lower pairs of premolars; ears square (genus *Miniopterus*) 37
28 a Frontal region of the skull much swollen, high above the muzzle, which is rather narrow, and above the parietals; hair inclined to be curly on the back; 2 upper and 3 lower pairs of incisors, 3 upper and 3 lower pairs of premolars; ears pointed (genus *Kerivoula*) 38
b Frontal region not so swollen, if above the level of the muzzle then not above the level of the parietals; hair above not inclined to be curly 29
29 a Outer upper incisor in contact with the canine; a fleshy lobe at the angle of the mouth connected by a ridge with th lobe of the ear; wing membranes with dark-rayed markings (genus *Glauconycteris*) 52
b Outer upper incisor not in contact with the canine; no fleshy lobe at the angle of the mouth, if present then not connected with lobe of the ear; wing membranes plainly uniform 30
30 a Cranium raised above the level of the muzzle 31
b Cranium practically level with the muzzle 34
31 a Forearm over 40 mm, ear length over 13 mm (genus *Myotis*) 43
b Forearm under 40, ear under 13 mm 32
32 a Two minute premolars above, placed transverse to the toothrow between the canine and large premolar (genus *Cistugo*) 44
b Only one minute premolmar above, in the toothrow between the canine and large premolar 33
c No minute premolar above -only one large premolar. ..... *Neoromicia zuluensis*
33 a Outer upper incisors more than half the height of the inner incisor; inner upper incisor unicuspid. ..... *Pipistrellus nanus*
African Chiroptera name ..... *Neoromicia nana*
b Similar, but inner upper incisor bicuspid. ..... *Vansonia vernayi*
African Chiroptera name ..... *Pipistrellus rueppellii vernayi*
c Outer upper incisor less than half th height of the inner incisor. *Romicia kuhlii broomi* (This should be *Pipistrellus hesperidus*. See Kock (2001))
African Chiroptera name ..... *Pipistrellus hesperidus*
34 a Skull with a keel-like lambdoid process 35
b Skull without a keel-like lambdoid process 36
35 a Size larger, forearm over 45 mm, one upper incisor and one upper premolar on each side (genus *Scotophilus*) 49
b Lambdoid process can be absent; its size variable, typically forearm over 45 mm, but others much less; two upper incisors, but only one upper premolar on each side (genus *Eptesicus*) 46

36 a Size very small, forearm under 34 mm, only one upper incisor and one upper premolar on each side. ..... *Scoteinus schlieffenii*
African Chiroptera name ..... *Nycticeinops schlieffenii*
b No lambdoid crest; forearm under 31 mm; two upper incisors and two upper premolars on each side (genus *Eptesicops*) 45
37 a Size slightly larger, skull length from premaxilla over 15, upper c-m^3 series 5.6 - 5.9 mm..... *Miniopterus natalensis natalensis*
African Chiroptera name ..... *Miniopterus natalensis*
b Size slightly smaller, skull length from premaxilla under 15, upper c-m^3 series 5.3 - 5.5 mm..... *Miniopterus fraterculus*
38 a Size small, forearm 30 - 33, wingspan 250 - 260, greatest skull length 12.9 - 13.5, width of braincase 6.1 - 7.3 39
b Size larger, forearm 34 - 39, wingspan 265 - 300, greatest skull length from canines 15 or more mm, width of brain-case 7.3 - 7.7 40
39 a Colour darker, below grey for the greatest part ..... *Kerivoula lanosa lanosa*
African Chiroptera name ..... *Kerivoula lanosa*
b colour lighter, below white for the greatest part ..... *Kerivoula lanosa lucia*
African Chiroptera name ..... *Kerivoula lanosa*
40 a Hair of upper parts of body grey at the base; outer upper incisors rudimentary ..... *Kerivoula aerosa*
b Hair of upper parts of body white at the base, outer upper incisor nearly as large as the inner..... 41
41 a Long-winged, forearm 39, wingspan about 280 - 300...*Kerivoula argentata argentata*
African Chiroptera name ..... *Kerivoula argentata*
b Shorter-winged, forearm 35.5, wingspan about 265 - 280..... 42
42 a Colour below buffy-white..... *Kerivoula argentata nidicola*
African Chiroptera name ..... *Kerivoula argentata*
b Colour below smoky greyish-white..... *Kerivoula argentata zuluensis*
African Chiroptera name ..... *Kerivoula argentata*
43 a Size larger, forearm over 53 mm, interfemoral membrane red..... *Myotis welwitschii*
b Size smaller, forearm under 53; interfemoral membrane brown..... *Myotis tricolor*
44 a Size smaller, forearm 32.5, skull length 13.2 ..... *Cistugo seabrae*
b Size larger, forearm 34.5, skull length 14.4..... *Cistugo lesueuri*
45 a Size larger; skull length 11.5 - 11.8 mm..... *Eptesicops rusticus*
African Chiroptera name ..... *Pipistrellus rusticus*
b Size smaller, skull length 11 mm..... *Eptesicops subtilis / Eptesicops fouriei*
46 a Size larger, forearm over 40; skull with a keel-like lambdoid crest 47
b Size smaller, forearm under 40, skull without a keel-like lambdoid crest 48
47 a Colour dark, above brownish-olive, tips of hair honey-yellow..... *Eptesicus hottentota hottentota*
African Chiroptera name ..... *Eptesicus hottentotus*
b Colour very light and yallowish, lighter than "clay colour" *Eptesicus hottentota pallidior*
African Chiroptera name ..... *Eptesicus hottentotus*
48 a Forearm 34.5 - 38; skull length form canines 14.7 - 15.7; widht of braincase 7.1 - 7.9; colour "sayal brown"..... *Eptesicus melckorum*
African Chiroptera name ..... *Neoromicia capensis*
b Forearm 32.5 - 34.5; skull length 13.5 - 14; width of braincase 6.7 - 72; colour yellowish-brown..... *Eptesicus capensis capensis*
African Chiroptera name ..... *Neoromicia capensis*
c Forearm 32 - 35; skull length 14 - 14.9; width of braincase 6.8 - 7.2; colour paler yellowish-brown and white below..... *Eptesicus capensis damarensis*
African Chiroptera name ..... *Neoromicia capensis*
d Forearm 30 - 32; skull length 13 - 13.8; width of braincase 6.5 - 7; colour yellowish-brown, less whitish below..... *Eptesicus capensis gracilior*
African Chiroptera name ..... *Neoromicia capensis*
e Forearm 31 - 33.5; skull length 13.3 - 13.5; width of braincase 6.5 - 7; colour paler brown, especially below, which is whiter..... *Eptesicus capensis nkatiensis*
African Chiroptera name ..... *Neoromicia capensis*
49 a Forearm length 49.5 - 58, skull length 20.5 - 23; width of braincase 9.2 - 10.5..... 50
b Forearm length 46.5 - 52; skull length 17 - 19.2; width of braincase 8.9 - 9..... 51

50 a Colour white below ..... *Scotophilus herero*
African Chiroptera name ..... Scotophilus dinganii
b Colour lighter yellow below..... *Scotophilus nigrita dinganii*
(This should be Scotophilus dinganii. See Robbins (1978))
African Chiroptera name ..... Scotophilus dinganii
c Colour darker yellow below ..... *Scotophilus nigrita pondoensis*
African Chiroptera name ..... Scotophilus dinganii
51 a Colour dark yellow below ..... *Scotophilus viridis viridis*
African Chiroptera name ..... Scotophilus viridis
b Colour white below..... *Scotophilus viridis damarensis*
African Chiroptera name ..... Scotophilus leucogaster
52 a Creamy coloured below..... *Glauconycteris variegata papilio*
African Chiroptera name ..... Glauconycteris variegata
b White below..... *Glauconycteris variegata variegata*
African Chiroptera name ..... Glauconycteris variegata
53 a Ears very large, over 30 mm in length ..... *Otomops icarus*
African Chiroptera name ..... Otomops martiensseni icarus
b Ears shorter than 30 mm..... 54
54 a Ears joined at the base, premaxilla fused anteriorly 55
b Ears separated at the base, premaxilla divided anteriorly 56
55 a Forearm under 45 mm, skull length under 18 mm, two premolars above (genus *Chaerephon*) 58
b Forearm over 45 mm, skull length over 18 mm, only one upper premolar. ..... *Mops condylurus*
African Chiroptera name ..... Mops (Mops) condylurus
56 a Ears pointed, with 3 lower paris of incisors (genus *Mormopterus*) ..... *Null*
b Ears squared, only 2 pairs of lower incisors..... 56
57 a Skull not so flattened, height of braincase about half its width (genus *Tadarida*)... 59
b Skull much flattened, height of braincase about one-third of its width (genus *Platymops*) 60
58 a Middle of lower breast to abdomen white..... *Chaerephon limbatus limbatus*
African Chiroptera name ..... Chaerephon pumilus
b White below confined to lower abdomen and border of membrane; colour above brown to dark brown; crest in MM 4 mm ..... *Chaerephon limbatus elphicki*
African Chiroptera name ..... Chaerephon pumilus
c White below confined to lower abdomen and border or membranes; colour above dusky drab, crest in MM 9 mm ..... *Chaerephon limbatus langi*
African Chiroptera name ..... Chaerephon pumilus
d No pure white below, but whitish; above drab; crest in MM 13 mm..... *Chaerephon limbatus shortridgei*
African Chiroptera name ..... Chaerephon chapini
59 a Lips not wrinkled; colour bright orange-chestnut above and below; larger, forearm 64 ..... *Tadarida africana*
African Chiroptera name ..... Tadarida ventralis
b Lips not wrinkled; colour chocolate-brown to orange-chestnut above and below, but with a broad white line on th integument from forearm to the pubic region and thence up to middle of body to the chest; rather smaller, forearm 57..... *Tadarida mastersoni*
African Chiroptera name ..... Tadarida fulminans
c Lips wrinkled; colour chocolate-brown above and below, with the throat darker; forearm 45, skull length about 19, lower toothrow 8.3; lower canines in contact ..... *Tadarida rhodesiae*
African Chiroptera name ..... Chaerephon ansorgei
d Lips wrinkled; colour greyish-brown above and below; forearm 47 - 51.5, skull length 19 - 20.5, lower toothrow 8 - 8.5; lower canines wide apart..... *Tadarida aegyptiacus*
African Chiroptera name ..... Tadarida aegyptiaca
e Lips wrinkled; colour greyish-brown above and below; forearm 42 - 47, skull length 17.3 - 18.6, lower toothrow 6.8 - 7.5; lower canines wide apart..... *Tadarida bocagei*
African Chiroptera name ..... Tadarida aegyptiaca bocagei
60 a Size larger, forearm 38 - 42, skull length 16.8 - 18, c-m^3 series 6.1 - 6.5..... 61
b Size smaller, forearm 36 - 37; skull length 16 - 16.4, c-m^3 series 5.6 - 5.8 62

61 a Colour tawny-olive above, lightr tawny-olive below *Platymops petrophilus petrophilus*
African Chiroptera name .....*Sauromys petrophilus petrophilus*
b Colour paler above, especially on head and neck, more whitish below .....*Platymops petrophilus fitzsimonsi*
African Chiroptera name ..... *Sauromys petrophilus umbratus*
c Colour considerably paler above all over, and below much more whitish ...*Platymops petrophilus erongensis*
African Chiroptera name .....*Sauromys petrophilus erongensis*
62 a Colour above pale tawny-olive, below whitish, ears paler brown. *Platymops haagneri haagneri*
African Chiroptera name ..... *Sauromys petrophilus haagneri*
b Colour above smoky seal-brown, below paler and more buffy; ears blackish*Platymops haagneri umbratus*
African Chiroptera name ..... *Sauromys petrophilus umbratus*

Appendix 5o: Malbrant (1952). Faune du Centre African français (Mammifères et Oiseaux).

1	a	Couronne des molaires aplatie et lisse sans tubercules marqués. Pouce et second doigt des memhres antérieurs terminés par des griffes. Taille variable, souvent grande ou très grande mais parfois très petite. Queue absente ou rudimentaire (Sous-ordre des Megachiroptères, Chauves-souris frugivores: Famille Pteropidae). 8
	b	Couronne des molaires pourvue de tubercules aigus. Deuxième doigt des membranes antérieurs non terminés par une griffe. Queue en général bien développée, incluse au moins en parte dans la membrane interfémorale. Taille faible (Sous-ordre des Microchiroptères, Chauves-souris insectivores). 2
2	a	Queue à extrémité libre dépassant sensiblement la membrane interfémorale..... 3
	b	Queue entièrement incluse dans la membrane interfémorale ou ne la dépassant que d'une partie de la dernière vertèbre caudale..... 4
3	a	Un tragus auriculaire petit et arrondi mais bien visible. Pas de feuilles nasales. Museau légèrement allongé. Membres postérieurs glèles. Queue grèle perforant la membrane interfémorale et saillant sur la face supérieure. Oreilles largement séparées (Famille Emballonuridae). .....*Taphozous mauritianus*
	b	Tragus auriculaire petit, parfois même rudimentaire. Pas de feuilles nasales. Museau tronqué obliquement. Membres postérieurs trapus. Queue épaisse à la base débordant la membrane interfémorale, qui est étroite, d'au moins un tiers de sa longueur. Oreilles très rapprochées et souvent même reliées entre elles par une bande cutanée sur le front, à bords postérieurs bien descendus sur la joue (Famille Molossidae). 15
4	a	Pas de feuilles nasales. Un tragus auriculaire grêle et droit. Oreilles en général petites et largement séparées (Famille Vespertilionidae). 12
	b	Feuilles nasales plus ou moins développées mais toujours présentes. 5
5	a	Queue beaucoup plus courte que la membrane interfémorale dont elle ne dépasse pas le bord d'insertion. Oreilles très grandes soudées à leur base avec un tragus allongé en pointe et bifurqué. Membranes, oreilles et tragus de couleur orangé. Feuilles nasales bien développées (Famille Megadermidae).....*Lavia frons*
	b	Queue dépassant le bord d'insertion de la membrane interfémorale. Oreilles plus petites, non soudées à la base. Tragus arrondi quand il existe, ou absent..... 6
6	a	Feuilles nasales présentes. Nez compliqué d'un profond sillon médian longitudinal. Oreilles grandes. Tragus de grandeur variable mais généralement petit. Queue atteignant l'extrémité de la membrane interfémorale et formant un Y renversé à sa jonction avec celle-ci (Famille Nycteridae).....*Nycteris aethiopica* African Chiroptera name .....*Nycteris macrotis*
	b	Feuilles nasales développées et compliquées, affectant, en général la forme d'un fer à cheval. Pas de sillon nasal. Pas de tragus. Queue se terminant en pointe dans la membrane interfémorale. 7
7	a	Feuilles nasales pourvues d'un lobe aigu à la partie supérieure. Trois phalanges aux orteils II à V (Famille Rhinolophidae). 10
	b	Feuilles nasales à lobe supérieur tronqué, non aigu. Deux phalanges seulement aux orteils II à V (Famille Hipposideridae). .....*Hipposideros caffer ou Asellia tridens.*
8	a	Molaires 5/6. Tête sans taches, ni touffes blanches. Grande taille, Longueur de l'avant-bras comprise entre 110 et 130 mm. Pelage jaunâtre ou brun jaunâtre dans l'ensemble. M^1 de la mâchoire supérieure aussi longue que les deux suivantes réunies.....*Eidolon helvum*
	b	Molaires. 3/5. Tête du mâle souvent pourvue de taches ou de touffes blanches. Taille moyenne. Longueur de l'avant-bras ne dépassant pas 100 mm. Rostre (du bord antérieur de l'orbite à l'extrémité des nasaux) plus long que la largeur palatale au niveau des dernières molaires. 9
9	a	Dessus brun jaunâtre légèrement teinté de grisâtre, plus clair dessous.*Epomophorus Pousarguesi* African Chiroptera name ..... *Epomophorus gambianus pousarguesi*
	b	Dessus plus clair, café au lait plus ou moins foncé. .....*Epomophorus gambianus*
10	a	Taille assez grande. Longueur de l'avant-bras atteignant 50 mm. . *Rhinolophus Foxi* African Chiroptera name .....*Rhinolophus fumigatus*
	b	Taille plus faible. Longueur de l'avant-bras n'atteignant pas 47 mm. 11

11 a Dessous gris manron clair. ..... *Rhinolophus acrotis Schwarzi*
African Chiroptera name ..... *Rhinolophus clivosus*
b Dessous jaune. ..... *Rhinolophus Dobsoni*
African Chiroptera name ..... *Rhinolophus landeri*
12 a Molaires 5/5. Deux paires d'incisives à la mâchoire supérieure. Première phalange du troisième doigt plus longue que la seconde (Genre *Pipistrellus*). *Pipistrellus deserti ou Pipistrellus marrensis ou Pipistrellus Rüppelli ou Pipistrellus Kuhli*
b Molaires 4/5. Une seule paire d'incisives à la mâchoire supérieure. 13
13 a Mésostyle (petit tubercule placé en partie médiane sur le côté externe de la dent) de la première et seconde molaire supérieure réduit, et marque en W formée par les cônes principaux rétrécie en son milieu. Triangle antérieur de la 1re et 2e molaire plus grand que le postérieur (Genre *Scotophilus*). ..... *Scotophilus nigrita leucogaster*
African Chiroptera name ..... *Scotophilus leucogaster*
b Marque en W de la 1re et 2e molaire normale. Triangle antérieur de la première et deuxième molaire plus petit que le postérieur. 14
14 a Couronne de la troisième molaire pourvue d'une marque en W (Genre *Scotoecus*). ..... *Scotaecus falabae*
African Chiroptera name ..... *Scotoecus hindei*
b Couronne de la troisième molaire pourvue d'une marque en V (Genre *Scoteinus*). ..... *Scoteinus Schlieffeni*
African Chiroptera name ..... *Nycticeinops schlieffenii*
15 a Incisives supérieures séparées; prémaxillaires complets couvrant complètement la zone située entre les incisives médianes. Une toufîe de poils sur la nuque chez le mâle. Oreilles unies à leur base par un bandeau interauriculaire bien marqué formant parfois un bourrelet frontal (Genre *Choerophon*). ..... *Chaerophon Websteri*
African Chiroptera name ..... *Chaerephon leucogaster*
b Incisives supérieures en contact l'une avec l'autre. 16
16 a Une émargination profonde entre les incisives médianes s'étendant en arrière de leur racine. Oreilles très rapprochées, parfois même réunies à leur base, mais sans bandeau interauriculaire marqué. Tragus petit, aplati, généralement tronqué et carré à l'extrémité (Genre *Nyctinomus*). ..... *Nyctinomus tongaensis*
b Pas d'émargination entre les incisives médianes, on seulement une petite encoche qui ne s'étend pas en arrière de leur racine. Oreilles nettement séparées à leur base. Tragus assez grand, aplati, généralement arrondi à l'extrémité (Genre *Myopterus*). ..... *Myopterus albatus*
African Chiroptera name ..... *Myopterus daubentonii*

Appendix 5p: Sanborn and Hoogstraal (1955). The identification of Egyptian bats.

1	a	External characters 2
	b	Skull characters 14
2	a	Second finger with claw (Genus *Rousettus*); Tail short, 16.0 - 24.0 mm., membrane greatly reduced; forearm 88.0 - 99.0 mm. ..... *Rousettus aegyptiacus*
	b	Second finger without claw (Genus *Taphozous*). Tail medium, projecting through center of membrane. 3
	c	Tail extending to edge of membrane, which is not reduced. Muzzle simple, without cutaneous growths. 4
	d	Muzzle not simple. 8
	e	Tail long, extending beyond edge of interfernoral membrane. 11
3	a	Lower back furred, tail 24.0 - 32.0 mm., forearm 60.0 - 66.0 mm. *Taphozous perforatus*
	b	Lower back not furred, tail 35.0 - 40.0, forearm 60.0 - 76.0 mm. *Taphozous nudiventris*
4	a	Ears large, 35.0 - 38.0 mm. Long. 5
	b	Ears small, size small, 1 upper premolar. 6
	c	Tragus wide, 2 upper premolars (Genus *Pipistrellus*). 7
5	a	Forearm 37.7 - 39.2 mm. ..... *Plecotus a(ustriacus) christei* African Chiroptera name ..... *Plecotus christii*
	b	Forearm 57.0 - 65.0 mm. ..... *Otonycteris hemprichi* African Chiroptera name ..... *Otonycteris hemprichii*
6	a	Tragus short, broad, 1 upper incisor, forearm 30.0 - 32.0 mm. ..... *Nycticeius*
	b	Tragus narrow, 2 upper incisors, forearm 41.0 - 44.0 mm. ..... *Eptesicus innesi* African Chiroptera name ..... *Eptesicus bottae*
7	a	Posterior edge of wing membrane white, forearm 32.0 - 36.0 mm. ... *Pipistrellus kuhli* African Chiroptera name ..... *Pipistrellus kuhlii*
	b	Small, color pale, forearm 30.0. ..... *Pipistrellus ariel* African Chiroptera name ..... *Hypsugo ariel*
	c	Underparts white, forearm 30.0 - 34.0. ..... *Pipistrellus ruppelli* African Chiroptera name ..... *Pipistrellus rueppellii*
8	a	Muzzle with longitudinal groove, ears large; forearm 41.0 - 47.0. .... *Nycteris thebaica*
	b	Muzzle with cutaneous growths (Genus *Rhinolophus*). 9
	c	Muzzle with pair of swellings above nostrils; forearm about 40.0 mm. ..... *Barbastella leucomelas*
9	a	Second phalanx of 3rd and 4th fingers more than 1 - 1/2 times length of first phalanges; one mental groove (*Rhinolophus clivosus*). 10
	b	Second phalanx of 3rd finger more than 1 - 1/2 times length of first phalanx, second phalanx of 4th finger twice length of first phalanx; three mental grooves. *Rhinolophus mehelyi*
	c	Second phalanges of all fingers 1 - 1/2 times, or nearly so, length of first phalanges. ..... *Rhinolophus hipposideros*
	d	Smaller, forearm 34.0 - 38.0. ..... *Rhinolophus hipposideros minimus* African Chiroptera name ..... *Rhinolophus hipposideros*
10	a	Paler, forearm 46.0 - 51.0, Eastern Desert and Sinai. .. *Rhinolophus clivosus clivosus* African Chiroptera name ..... *Rhinolophus clivosus*
	b	Darker, forearm 44.0 - 48.0, Nile Valley. ..... *Rhinolophus clivosus brachygnathus* African Chiroptera name ..... *Rhinolophus clivosus*
11	a	Tail very long, thin, and wirelike (Genus *Rhinopoma*). 12
	b	Tail thin, extending but short distance beyond membrane; muzzle with cutaneous growths. Forearm 46.0 - 53.0 mm. ..... *Asellia tridens*
	c	Tail thick and heavy, extending but short distance beyond membrane, muzzle without cutaneous growths (Genus *Tadarida*). 13
12	a	Tail 59.0 - 80.0 mm., longer than forearm 54.0 - 62.0 mm. ..... *Rhinopoma hardwickei cystops* African Chiroptera name ..... *Rhinopoma cystops*
	b	Tail 56.0 - 71.0 mm., shorter than forearm 62.0 - 72.0 mm. *Rhinopoma microphyllum*
13	a	Forearm 50.0 - 55.0 mm. ..... *Tadarida aegyptiaca*
	b	Forearm 59.0 - 65.0 mm. ..... *Tadarida ruppelli* African Chiroptera name ..... *Tadarida teniotis*

14	a	Teeth 36 (i $^{2-2}/_{3-3}$ c $^{1-1}/_{1-1}$ pm $^{2-2}/_{3-3}$ m $^{3-3}/_{3-3}$ ..... *Plecotus*
	b	Teeth 34 15
	c	Teeth 32 19
	d	Teeth 30 21
	e	Teeth 28 (I $^{1-1}/_{2-2}$ c $^{1-1}/_{1-1}$ pm $^{1-1}/_{2-2}$ m $^{3-3}/_{3-3}$) 25
15	a	I $^{2-2}/_{2-2}$ c $^{1-1}/_{1-1}$ pm $^{3-3}/_{3-3}$ m $^{2-2}/_{3-3}$ ..... *Rousettus*
	b	I $^{2-2}/_{3-3}$ c $^{1-1}/_{1-1}$ pm $^{2-2}/_{2-2}$ m $^{3-3}/_{3-3}$ 16
16	a	Brain case arched. ..... *Barbastella*
	b	Brain case flattened (Genus *Pipistrellus*). 17
17	a	Inner upper incisor bilobed. ..... *Pipistrellus ruppelli*
		African Chiroptera name ..... *Pipistrellus rueppellii*
	b	Inner upper incisor simple. 18
18	a	Larger, upper tooth row 4.8 - 5.0 mm. ..... *Pipistrellus kuhli*
		African Chiroptera name ..... *Pipistrellus kuhlii*
	b	Smaller, upper tooth row 3.7 mm. ..... *Pipistrellus ariel*
		African Chiroptera name ..... *Hypsugo ariel*
19	a	I $^{2-2}/_{3-3}$ c $^{1-1}/_{1-1}$ pm $^{1-1}/_{2-2}$ m $^{3-3}/_{3-3}$ 20
	b	I $^{1-1}/_{2-2}$ c $^{1-1}/_{1-1}$ pm $^{2-2}/_{3-3}$ m $^{3-3}/_{3-3}$ ..... *Rhinolophus*
	c	I $^{1-1}/_{3-3}$ c $^{1-1}/_{1-1}$ pm $^{2-2}/_{3-3}$ m $^{3-3}/_{3-3}$ ..... *Tadarida ruppelli*
		African Chiroptera name ..... *Tadarida teniotis*
20	a	Rostrum convex. ..... *Eptesicus*
	b	Rostrum concave. ..... *Nycteris*
21	a	I $^{1-1}/_{3-3}$ c $^{1-1}/_{1-1}$ pm $^{1-1}/_{2-2}$ m $^{3-3}/_{3-3}$ 22
	b	I $^{1-1}/_{2-2}$ c $^{1-1}/_{1-1}$ pm $^{2-2}/_{2-2}$ m $^{3-3}/_{3-3}$ 23
22	a	Larger, tooth row 8.2 mm. ..... *Otonycteris*
	b	Smaller, tooth row 4.1 - 4.5 mm. ..... *Nycticeius*
23	a	Rostrum convex. ..... *Tadarida aegyptiaca*
	b	Rostrum concave (Genus *Taphozous*). 24
24	a	Skull with crests. ..... *Taphozous nudiventris*
	b	Skull without crests. ..... *Taphozous perforatus*
		African Chiroptera name ..... *Taphozous perforatus perforatus*
25	a	Rostrum convex. ..... *Asellia*
	b	Rostrum concave (Genus *Rhinopoma*). 26
26	a	Smaller, lateral swellings on rostrum. ..... *Rhinopoma cystops*
	b	Larger, no lateral swellings on rostrum. ..... *Rhinopoma microphyllum*

Appendix 5g: Hoogstraal (1962). A brief review of the contemporary land mammals of Egypt (including Sinai). 1. Insectivora and Chiroptera.

1	a	Second finger with claw. Forearm 88 - 99. Fruit bat. .....*Rousettus aegyptiacus aegyptiacus* African Chiroptera name .....*Rousettus aegyptiacus*
	b	Second finger lacking claw. Forearm much shorter. Insectivorous bats..... 2
2	a	Tail not projecting through center of membrane. 4
	b	Tail projecting through center of membrane.(Genus *Taphozous*) 3
3	a	Lower back furred. Tail 24 - 32. .....*Taphozous perforatus perforatus*
	b	Lower back not furred. Tail 35 - 40. ..... *Taphozous nudiventris nudiventris* African Chiroptera name .....*Taphozous nudiventris*
4	a	Muzzle with nose leaf or leaves. 5
	b	Muzzle lacking nose leaves..... 10
5	a	Nose leaves in three parts. Tail and ears not as following..... 7
	b	Nose leaf single, short triangular. Tail exceedingly long and slender. Ears united (Genus *Rhinopoma*). 6
6	a	Tail (59 - 80) longer than forearm (54 - 62).....*Rhinopoma hardwickei cystops* African Chiroptera name .....*Rhinopoma cystops*
	b	Tail (56 - 71) shorter than forearm (62 - 72).. *Rhinopoma microphyllum microphyllum* African Chiroptera name .....*Rhinopoma microphyllum*
7	a	Anterior nose leaf flat against muzzle and not notched anteriorly; posterior nose leaf tridentate. Approximately one-fourth of length of tail extending beyond wing-membrane, Forearm 47 - 53. .....*Asellia tridens tridens* African Chiroptera name .....*Asellia tridens*
	b	Anterior nose leaf horizontal and deeply notched anteriorly; posterior nose leaf triangular. Little if any of tail extending beyond wing membrane. (Genus *Rhinolophus*). 8
8	a	Second phalanx of 3rd and 4th fingers more than 1.5 times length of first phalanges; one mental groove. (*Rhinolophus clivosus* subspp.). 9
9	a	Pale. Forearm 46 - 51. Eastern Desert and Sinai. .....*Rhinolophus clivosus clivosus* African Chiroptera name ..... *Rhinolophus clivosus*
	b	Dark. Forearm .44 - 48. Nile Valley. .....*Rhinolophus clivosus brachygnatus* African Chiroptera name ..... *Rhinolophus clivosus*
	c	Second phalanges of all fingers 1.5 times (or nearly so) length of first phalanges. Forearm 24 - 38..... *Rhinolophus hipposideros minimus* African Chiroptera name .....*Rhinolophus hipposideros*
10	a	Upper lips not wrinkled. Ears with tragus. 12
	b	Upper lips wrinkled. Ears broad, tragus lacking. Medium to large bats. (Genus *Tadarida*). 11
11	a	Forearm 50 - 55..... *Tadarida aegyptica aegyptiaca* African Chiroptera name ..... *Tadarida aegyptiaca aegyptiaca*
	b	Forearm 59 - 65..... *Tadarida teniotis ruppelli* African Chiroptera name .....*Tadarida teniotis*
12	a	Ears much longer than head. 13
	b	Ears shorter than or only slightly longer than head. 15
13	a	Muzzle traversed by longitudinal furrow containing nostrils and bordered by valvular folds. Forearm 41 - 47. .....*Nycteris thebaica thebaica* African Chiroptera name .....*Nycteris thebaica*
	b	Muzzle not as above. 14
14	a	Forearm 37.7 - 39.2 ..... *Plecotus auritus christiei* African Chiroptera name ..... *Plecotus christii*
	b	Forearm 57 - 65.....*Otonycteris hemprichi hemprichi* African Chiroptera name .....*Otonycteris hemprichii*
15	a	Muzzle with a pair of swellings above nostrils. Ears very close together, almost joined across forehead. Forearm about 40. (Rare, Red Sea area only). ..... *Barbastella leucomelas leucomelas*
	b	Muzzle lacking pair of swellings above nostrils. Ears well separated. 16
16	a	Two upper incisors. Ears clearly longer than broad. 17

b One upper incisor. Ears about as broad as long. Forearm 30 - 32.. (Known only by 2 specimens). ..... *Nycticeius schlieffeni schlieffeni*
African Chiroptera name ..... *Nycticeinops schlieffenii*

17 a Forearm more than 37 (40 - 44). ..... *Eptesicus isabellinus innesi*
African Chiroptera name ..... *Eptesicus bottae*

b Forearm less than 37 (30 - 35). (Genus *Pipistrellus*). 18

18 a Underparts white, sharply set off from dark brown upper parts. Forearm 30 - 34. ..... *Pipistrellus ruppelli ruppelli*
African Chiroptera name ..... *Pipistrellus rueppellii rueppellii*

b Underparts light brown, grading into dark brown upper parts. Outer upper incisor less than one half height of inner upper incisor. Wing periphery usually white. Forearm 30 – 36..... *Pipistrellus kuhli kuhli*
African Chiroptera name ..... *Pipistrellus kuhlii*

c Outer upper incisor more than one half height of inner upper incisor. Wing periphery brown. Forearm 30. (Known only from Southeastern Desert). ..... *Pipistrellus ariel*
African Chiroptera name ..... *Hypsugo ariel*

Appendix 5r: Hill (1963). A revision of the genus Hipposideros.

1	a	Ears united at the base by a low frontal band (*megalotis* group)..... *Hipposideros megalotis*
	b	Ears not united. 2
2	a	Ears long and narrow, pointed (Figs. 20, 22 - 25): cochleae greatly expanded, their width equal to at least four times their distance apart (cyclops group). 28
	b	Ears short, broad, rounded or triangular: cochleae not expanded, their width approximately equal to their distance apart. 3
3	a	Ears rounded or broadly triangular, bluntly pointed upper incisors weak, the outer lobe obsolescent or obsolete: crown area of outer lower incisors equal to or only slightly greater than that of the inner lower incisors bicolor group)..... 7
	b	Ears triangular, pointed: upper incisors strong, usually retaining much of the outer lobe; crown area of the outer lower incisors much greater than that of the inner lower incisors. 4
4	a	Noseleaf with two lateral supplementary leaflets: frontal depression well-defined; maxillae elongated (pratti group)..... 33
	b	Noseleaf with three or four lateral supplementary leaflets: frontal depression lacking or shallow; maxillae not elongated. 5
5	a	Noseleaf with upper edge of posterior leaf slightly lobate, the posterior leaf narrower than the anterior leaf: rostral eminences not inflated and rostrum flattened; a distinct discontinuity between roofs of narial and mesopterygoid canals (armiger group). .....*Hipposideros armiger, Hipposideros turpis*
	b	Noseleaf with upper edge of posterior leaf forming an arc of a circle, the posterior leaf equal in width to the anterior leaf: rostral eminences moderately inflated and rostrum elevated: roofs of narial and mesopterygoid canals not sharply discontinuous..... 6
6	a	Ears with a small projection at the antitragal fold: sphenoidal bridge narrow, not concealing lateral apertures; pterygoid wings undeveloped (speoris group)..... 34
	b	Ears without antitragal modification: sphenoidal bridge wide, partially concealing lateral apertures; pterygoid wings expanded (diadema group)..... 36
7	a	Lateral supplementary leaflets none or one. 8
	b	Lateral supplementary leaflets two or three. 20
8	a	Anterior upper premolar (pm^2) obsolescent or obsolete, if present minute, extruded from toothrow, with second upper premolar (pm^4) and canine in contact, anterior lower premolar (pm_2) one quarter the length and one third or less the height of the second lower premolar (pm_4)..... 9
	b	Anterior upper premolar (pm^2) present, never minute, anterior lower premolar (pm_2) one third or more the length and height of second lower premolar (pm_4)..... 10
9	a	Anterior leaf without a median emargination: posterior leaf supported by a well-defined median septum and weaker lateral septa: pterygoids long, sphenoidal bridge wide. ..... *Hipposideros dyacorum*
	b	Anterior leaf with well-defined median emargination: posterior leaf lacking supporting septa: pterygoids short, sphenoidal bridge narrow. .....*Hipposideros sabanus*
10	a	Internarial septum expanded to form a more or less disc-like structure between the nostrils: one lateral supplementary leaflet, sometimes rudimentary. 11
	b	Internarial septum not greatly expanded or modified, more or less parallel sided: no lateral supplementary leaflets. 13
11	a	Internarial septum expanded to form a concave sub-circular disc..... 12
	b	Internarial septum expanded to form an ellipsoidal structure. .. *Hipposideros marisae*
12	a	Posterior leaf low, rounded above: lateral supplementary leaflet incipient, barely visible: palation U-shaped, without a post-palatal spicule.....*Hipposideros ridleyi*
	b	Posterior leaf high, sub-triangular above: lateral supplementary leaflet well developed, extending anteriorly beneath anterior leaf to median line: palation square, with a small post-palatal spicule.....*Hipposideros jonesi*
13	a	Interorbital region wide, not sharply constricted, its width nearly equal to that of the rostrum. 14
	b	Interorbital region decidedly constricted, its width considerably less than that of the rostrum. 15
14	a	Sphenoidal bridge well developed, broad, partially concealing small, elongate lateral apertures: well developed sphenoidal depression. .....*Hipposideros calcaratus*

b Sphenoidal bridge narrow, not concealing large, rounded lateral apertures: poorly developed sphenoidal depression. ..... *Hipposideros cupidus*

15 a Anterior leaf without a median emargination: posterior leaf with three supporting septa: no glandular ridge on muzzle beneath margin of anterior leaf. 16

b Anterior leaf with small median emargination: posterior leaf without supporting septa: a low glandular ridge on muzzle beneath margin of anterior leaf. ..... *Hipposideros obscurus*

16 a Internarial septum thickened and bulbous: anterior half of zygomata slender. 17

b Internarial septum uninflated: anterior half of zygomata massive. 18

17 a Superior projection of zygomata lacking or poorly developed: anterior upper premolar (pm^2) not extruded from toothrow. ..... *Hipposideros cineraceus*

b A low superior zygomatic projection: anterior upper premolar (pm^2) extruded or partially extruded from toothrow. ..... *Hipposideros ater*

18 a Posterior projecting portion of vomer blade-like. 19

b Posterior projecting portion of vomer thickened. ..... *Hipposideros bicolor*

19 a Anterior lower premolar (pm_2) much reduced, one third the length of second lower premolar (pm_4) ..... *Hipposideros fulvus*

b Anterior lower premolar (pm_2) less reduced, one half the length of second lower premolar (pm_4) ..... *Hipposideros nequam*

20 a Anterior lateral supplementary leaflet extending anteriorly beneath anterior leaf to the median line. 21

b Anterior lateral supplementary leaflet not extending; anteriorly beneath anterior leaf to the median line. 22

21 a Noseleaf not excessively specialized: intermediate leaf without a median eminence: posterior leaf supported by three septa of equal width, not deeply pocketed. ..... *Hipposideros pygmaeus*

b Noseleaf greatly specialized: intermediate leaf with prominent median eminence: posterior leaf supported by narrow median septum and two broad lateral septa, deeply pocketed. ..... *Hipposideros coxi*

22 a Second lateral supplementary leaflet not extending anteriorly beneath the anterior leaf : no trace of a third leaflet. 23

b Second lateral supplementary leaflet extending anteriorly beneath the anterior leaf: an incipient third leaflet. ..... *Hipposideros papua*

23 a Posterior leaf having a transverse supplementary structure with a serrated upper edge developed from its posterior face. 24

b Posterior leaf without a transverse supplementary structure developed from its posterior face or with such a structure low, undeveloped and lacking a serrated upper edge. 25

24 a Anterior upper premolar (pm^2) small, slightly extruded from toothrow, or compressed between canine and second upper premolar (pm^4). ..... *Hipposideros caffer*

b Anterior upper premolar (pm^2) minute, extruded from toothrow, canine and second upper premolar (pm^4) in contact or nearly so. ..... *Hipposideros beatus*

25 a Posterior leaf supported by three septa. 26

b Posterior leaf without supporting septa, paired low lateral ridges sometimes present. ..... *Hipposideros fuliginosus*

26 a Internarial septum not expanded: pterygoids long, sphenoidal bridge wide, partially concealing lateral apertures. 27

b Internarial septum expanded to form a slightly disc-like structure: pterygoids short, sphenoidal bridge narrow, not concealing lateral apertures. ..... *Hipposideros curtus*

27 a Ears haired for one half of their length: tips of upper incisors strongly convergent. ..... *Hipposideros breviceps*

b Ears haired for two thirds of their length: tips of upper incisors not strongly convergent. ..... *Hipposideros galeritus*

28 a Posterior lateral supplementary leaflet not extending anteriorly beneath the anterior leaf: premaxillae wide, enclosing the anterior palatal foramina, making a broad junction with the maxillae. 29

b Posterior lateral supplementary leaflet extending anteriorly beneath the anterior leaf: premaxillae narrow, not enclosing the anterior palatal foramina, making a narrow, spatulate junction with the maxillae. 30

29 a Smaller, length of forearm less than 74.0 mm: anteorbital foramen relatively large. ..... *Hipposideros cyclops*
African Chiroptera name .....*Doryrhina cyclops*
b Larger, length of forearm exceeding 74.0 mm: anteorbital foramen relatively small. .....*Hipposideros camerunensis*
30 a Median process of intermediate leaf not greatly developed or club-shaped frontal depression absent. shallow sphenoidal depression present, posterior ridge of m^3 reduced, W-pattern of tooth incomplete. 31
b Median process of intermediate leaf well-developed, club-shaped: frontal depression present, sphenoidal depression absent, posterior ridge of m^3 little reduced, W-pattern of tooth almost complete. 32
31 a Posterior leaf with a median process and without a transverse supplementary structure developed from its posterior face: width of cochleae four to five times their distance apart. .....*Hipposideros muscinus*
b Posterior leaf without a median process and with a transverse supplementary structure developed from its posterior face: width of cochleae six or more times their distance apart. ..... *Hipposideros wollastoni*
32 a Median process of posterior leaf well developed: frontal depression shallow, rostral eminences greatly inflated, anteorbital foramen relatively small.*Hipposideros semoni*
b Median process of posterior leaf not greatly developed: frontal depression deep, rostral eminences moderately inflated, anteorbital foramen relatively large. .....*Hipposideros stenotis*
33 a Lateral margins of anterior leaf not continuous with those of posterior leaf: rostrum lacking lateral pits, an abrupt step-like discontinuity between roofs of narial and mesopterygoid canals, vomer projecting posteriorly beyond palate.*Hipposideros pratti*
b Lateral margins of anterior and posterior leaves continuous: rostrum with lateral pits, roofs of narial and mesopterygoid canals merging smoothly, vomer not projecting posteriorly beyond palate. .....*Hipposideros lylei*
34 a Anterior leaf without median emargination: prominent supraorbital ridges, rostrum flattened, vomer not projecting beyond palate, upper canines with shallow antero-internal groove and low posterior cusp. 35
b Anterior leaf with definite median emargination: supraorbital ridges barely developed, rostrum rounded, vomer projecting beyond palate, upper canines not grooved and lacking a posterior cusp.....*Hipposideros larvatus*
35 a Posterior leaf with supporting septa: posterior palatal foramina undeveloped, palation U-shaped, sphenoidal bridge unconstricted. .....*Hipposideros speoris*
b Posterior leaf lacking supporting septa: posterior palatal foramina prominent, palation nearly square, sphenoidal bridge constricted. ..... *Hipposideros abae*
36 a Ears broad at base: postorbital processes not projecting, naso-frontal region rounded, upper incisors in contact or nearly so, upper canines not grooved anteriorly, lacking posterior cusps. 37
b Ears narrow at base: postorbital processes projecting, naso-frontal region pentagonal, upper incisors widely separated, upper canines grooved anteriorly, with high posterior cusp. .....*Hipposideros commersoni*
African Chiroptera name ..... *Macronycteris commersoni*
37 a Frontal region convex or flattened, no frontal depression; palation acute, V-shaped; sphenoidal depression well developed. 38
b Frontal region concave, with a shallow frontal depression; palation rounded, U-shaped; sphenoidal depression shallow. 39
38 a Skull larger, condylocanine length exceeding 26.5 mm., length of maxillary toothrow (c-m^3) exceeding 12.0 mm. .....*Hipposideros lankadiva*
b Skull smaller, condylocanine length less than 25.5 mm., length of maxillary toothrow (c-m^3) less than 11.8 mm. ..... *Hipposideros schistaceus*
39 a Smaller, length of forearm less than 98.0 mm., condylocanine length less than 33.0 mm.; intermediate part of noseleaf with prominent median ridge, sometimes forming a projection. 40
b Larger, length of forearm exceeding 100 mm., condylocanine length exceeding 34.0 mm; intermediate part of noseleaf swollen but without a prominent median ridge or projection. .....*Hipposideros inexpectatus*

40 a Smaller, length of forearm less than 92.0 mm., condylocanine length less than 31.0 mm., length of maxillary toothrow (c-m^3), less than 13.8 mm.. *Hipposideros diadema*
b Larger, length of forearm exceeding 92.0 mm., condylocanine length exceeding 32.0 mm., length of maxillary toothrow (c-m^3) exceeding 14.0 mm. ....*Hipposideros dinops*

Appendix 5s: Hayman et al. (1966). The bats of the Congo and of Rwanda and Burundi

1	a	Cheekteeth without W-pattern of cusps ; second finger with claw; tail absent or rudimentary (suborder Megachiroptera; family Pteropidae)..... 8
	b	Cheekteeth with W-pattern of cusps; second finger entirely included in patagium and without claw; tail generally well developed (suborder Microchiroptera) 2
2	a	Tail completely included in uropatagium (in certain forms the last vertebra can be free) 3
	b	Tail not completely included in uropatagium 7
3	a	No nasal appendages; tragus present ; ears not fused in the mediosagittal plane (family Vespertilionidae) 51
	b	Nasal appendages present 4
4	a	No tragus; ears not fused mediosagitally 5
	b	Tragus present (sometimes small); ears fused or very close to each other mediosagitally..... 6
5	a	Posterior leaflet of nose-leaf low, rounded or tridentate (family Hipposideridae) ... 37
	b	Posterior leaflet of nose-leaf high, erect, pointed (family Rhinolophidae)..... 44
6	a	Tail shorter than uropatagium; no postorbital processes; no premaxillae present (family Megadermidae).....*Lavia frons*
	b	Tail as long as uropatagium; last vertebra Y or T shaped; postorbital process and premaxillae present (family Nycteridae)..... 28
7	a	Basal part of tail included in uropatagium ; distal part of tail resting free on the dorsal side of the uropatagium; ears not fused (family Emballonuridae)..... 24
	b	Distal part of tail not included in uropatagium and not resting on the dorsal side of the uropatagium; ears mostly united to each other by a cutaneous wall (family Molossidae) 82
8	a	Tongue simple, fixed to floor of mouth by posterior half, and without unfringed filiform papillae at tip (subfamily Pteropinae) 9
	b	Tongue more extensible, fixed to floor of mouth by its posterior third, its terminal fourth or fifth covered above with unfringed filiform papillae (subfamily Macroglossinae) .....*Megaloglossus woermanni*
9	a	No white tufts present at base of ears..... 10
	b	White tufts at base of ears..... 13
10	a	3 upper cheekteeth; forearm 48 - 54 mm.....*Scotonycteris zenkeri*
	b	5 upper cheekteeth..... 11
11	a	Facial axis of skull not noticeably deflected against basicranial axis; forearm less than 67 mm..... *Myonycteris wroughtoni* African Chiroptera name .....*Myonycteris torquata wroughtoni*
	b	Facial axis of skull more or less strongly deflected against basicranial axis; forearm 75 - 130 mm 12
12	a	Forearm 115 - 130 mm; M_1 equal in length to M_2 and M_3 combined; tympanic forming a short auditory meatus; premaxillae spaced in front .....*Eidolon helvum*
	b	Forearm 79 - 99 mm; M_1 shorter than M_2 and M_3 combined; no long auditory meatus; premaxillae in contact or co-ossified in front (genus Rousettus) 18
13	a	Cheekteeth 4/6 unusual weak dentition; interfemoral membrane greatly reduced absence or rudimentary condition of calcar ..... *Plerotes anchietae*
	b	Cheekteeth 3/5 14
14	a	Distance of anterior border of orbit to tip of nasals much longer than lacrymal breadth 15
	b	Distance of anterior border of orbit to tip of nasals less than lacrymal breadth (at most equal to)..... 17
15	a	Postdental palate flattened posteriorly; rostrum long and broad 16
	b	Postdental palate deeply depressed posteriorly; rostrum long and narrow (genus *Epomophorus*) 20
16	a	Rostrum considerably increased in depth; premaxillae ankylosed together anteriorly; lower incisors and canines closing some distance in front of upper; outer ridge of lower molars bilobed or trilobed; upper lip with cutaneous leaves; tail absent; no shoulder pouches or tufts in either sex; forearm 118 - 137 mm.....*Hypsignathus monstrosus*

b Rostrum not deeper than usual; premaxillae in simple contact anteriorly; lower incisors and canines biting against corresponding upper teeth; outer ridge of lower molars simple; muzzle without cutaneous leaves; tail rudimentary; males with shoulder pouches and erectile shoulder tufts; forearm 88 - 96 mm (genus *Epomops*) 22

17 a No postzygomatic palate, the mesopterygoid fossa continued forward nearly to level of posterior molar ..... *Casinycteris argynnis*

b Postzygomatic palate prsent ; soft palate with a deep median groove, narrowing posteriorly (genus *Micropteropus*) 23

18 a Pm_1 subequal in bulk to a lower incisor; premaxillae co-ossified braincase slightly deflected; wings from second toe; fur long and silky; forearm 79 - 83.5 mm *Rousettus angolensis*
African Chiroptera name ..... *Myonycteris angolensis*

b Pm_1 much larger in bulk than a lower incisor; premaxillae in contact; braincase conspicuously deflected; forearm at least 88.0 mm 19

19 a Brainease moderately deflected; width of last upper premolar about 1_3 of palate between fronts of last upper premolars; wings from first toe; antitragal lobe distinct ..... *Rousettus aegyptiacus*

b Braincase strongly deflected; cheekteeth excessively narrow; width of last upper premolar about 1/5 of that of the palate between fronts of last upper premolars; wings from second toe; antitragal lobe obsolete; fur long and coarse ..... *Rousettus lanosus*
African Chiroptera name ..... *Stenonycteris lanosus*

20 a One conspicuous postdental palate-ridge; total length skull 44 - 50.5 mm (MM), 47 - 55.5 mm (FF) ; forearm 72 - 86 mm (FF), 77 - 89 mm (MM) *Epomophorus wahlbergi*

b Two conspicuous postdental palate-ridges 21

21 a Forearm 60 - 65.5 mm; total length skull 35.8 - 39.7 mm; no sexual differences in dimensions ..... *Epomophorus labiatus*
African Chiroptera name ..... *Epomophorus minor*

b Forearm 66.5 - 74 mm (FF), 71.5 - 78 mm (MM); total length skull 40 - 45 mm (FF), 46 - 48.8 mm (MM) ..... *Epomophorus anurus*
African Chiroptera name ..... *Epomophorus labiatus*

c Forearm 79 - 80 mm (FF), 81 - 85.5 mm (MM); total length skull 46 - 49.7 mm (FF), 52 - 55 mm (MM) ..... *Epomophorus crypturus*

d Forearm 81 - 86.5 mm (FF), 87 - 93 mm (MM); total length skull 52 - 55 mm (FF), 59.7 - 62 mm (MM) ..... *Epomophorus gambianus*

22 a 4 thick prominent interdental and about 5 - 7 thinner postdental palate ridges *Epomops franqueti*

b 3 thick and prominent interdental palate ridges; postdental palate with two pairs of prominent, triangular ridges at middle and one or a few thin and serrate ridges at palation border ..... *Epomops dobsoni*
African Chiroptera name ..... *Epomophorus dobsonii*

23 a Forearm 50 - 53 mm; total skull length 29 - 29.8 mm ..... *Micropteropus pusillus*

b Forearm 59 - 63 mm; total skull length 33.2 - 33.4 mm ..... *Micropteropus intermedius*

24 a Forearm normally less than 52 mm ..... *Coleura afra*

b Forearm more than 52 mm 25

25 a Forearm more than 80 mm (83 - 96 mm); fur dark to base ..... *Taphozous peli*
African Chiroptera name ..... *Saccolaimus peli*

b Forearm less than 80 mm; fur light at base 26

26 a Forearm more than 70 mm, posterior part of body naked above and below *Taphozous nudiventris*

b Forearm less than 70 mm; body fully haired 27

27 a Dorsally light brown, ventrally light greyish-brown ..... *Taphozous sudani*
African Chiroptera name ..... *Taphozous perforatus sudani*

b Dorsally grizzled grey, ventrally pure white ..... *Taphozous mauritianus*

28 a Second premolar of lower jaw large (equal to or larger than half of the first lower premolar); I^{1-2} bifid (I^2 exceptionally trifid) (*arge*-group) 31

b Second lower premolar small (smaller than half of the first lower premolar) 29

29 a I^{1-2} bifid 30

b I^{1-2} trifid (*hispida*-group) 34

30 a Tragus semilunate (*aethiopica*-group) 35

b Tragus pyriform (free portion narrowest at base; its outer and inner margin evenly convex) (*thebaica*-group) 36
31 a Forearm length more than 39 mm; skull length less more 19 mm 32
b Forearm length less than 38 mm; skull length less than 19 mm 33
32 a Forearm length 47.3 - 50 mm; skull length 20.9 - 22.4 mm; ear length measuring 50 - 65 % of forearm length ..... *Nycteris major*
b Forearm length 39.5 - 46 mm; skull length 19.3 - 20.9 mm; ear length measuring 63 - 77 % of forearm length ..... *Nycteris arge*
33 a Forearm length 36.5 - 37 mm; skull length 18 - 18.7 mm; tibia longer than half the forearm length ..... *Nycteris intermedia*
b Forearm length 32 - 36.2 mm; skull length 15.9 - 16.6 mm; tibia shorter than half the forearm length ..... *Nycteris nana*
34 a Forearm length 39 - 43 mm ..... *Nycteris hispida*
b Forearm length about 57 mm ..... *Nycteris grandis*
35 a Ear length 22 - 26 mm ..... *Nycteris aethiopica*
African Chiroptera name ..... *Nycteris macrotis*
b Ear length 28 - 34 mm ..... *Nycteris macrotis*
36 a Second lower premolar included in the toothrow; forearm length about 45 mm *Nycteris capensis*
African Chiroptera name ..... *Nycteris thebaica*
b Second lower premolar on the lingual side of toothrow; forearm length about 47 mm ..... *Nycteris thebaica*
37 a Rostrum less than half as long as braincase; nasal inflation inconspicuous; ears low; tridentate nose-leaf small, forearm 31 - 35.0 mm ..... *Cloeotis percivali*
b Rostrum at least half as long as braincase; nasal inflation conspicuous; ears more prominent; no tridentate nose-leaf; larger, forearm about 42 mm and more (genus *Hipposideros*) 38
38 a Ears long and narrow, pointed; cochleae greatly expanded, their width equal to at least 4 times their distance apart 41
b Ears short, broad, rounded or triangular; cochleae not expanded, their width approximately equal to their distance apart 39
39 a Ears rounded or broadly triangular, bluntly pointed upper incisors weak, the outer lobe obsolescent or obsolete; crown area of outer lower incisors equal to or only slightly greater than that of the inner lower incisors 42
b Ears triangular, pointed upper incisors strong, usually retaining much of the outer lobe; crown area of the outer lower incisors much greater than that of the inner lower incisors 40
40 a Ears with a small projection at the antitragal fold; sphenoidal bridge narrow, not concealing lateral apertures; pterygoid wings underdeveloped ; forearm from 58 - 66 mm ..... *Hipposideros abae*
b Ears without antitragal modification; sphenoidal bridge wide, partially concealing lateral apertures; pterygoid wings expanded; forearm from 78 - 114 mm *Hipposideros commersoni*
African Chiroptera name ..... *Macronycteris commersoni*
41 a Smaller, length of forearm less than 74.0 mm; anteorbital foramen relatively large ..... *Hipposideros cyclops*
African Chiroptera name ..... *Doryrhina cyclops*
b Larger, length of forearm exceeding 74.0 mm; anteorbital foramen relatively small ..... *Hipposideros camerunensis*
42 a Posterior nose-leaf without a transverse supplementary structure developed from its posterior face or with such a structure low, undeveloped and lacking a serrated upper edge ..... *Hipposideros fuliginosus*
b Posterior nose-leaf having a transverse supplementary structure with a serrated upper edge developed from its posterior face 43
43 a Anterior upper premolar small, slightly extruded from toothrow, or compressed between canine and second upper premolar ..... *Hipposideros caffer*
b Anterior upper premolar minute, extruded from toothrow, canine and second upper premolar in contact or nearly so ..... *Hipposideros beatus*
44 a First upper premolar placed between the upper canine and second premolar 45

b First upper premolar missing or very reduced and external to toothrow; the canine and second premolar touching each other or nearly so 49
45 a Connecting process of nose-leaf rises to a distinct point 46
b Connecting process of nose-leaf low or obsolete 47
46 a First phalange of fourth finger long, more than half as long as second ... *Rhinolophus blasii*
b First phalange of fourth finger shorter ..... *Rhinolophus landeri*
47 a Connecting process of nose-leaf obsolete; forearm 55 mm or more ..... *Rhinolophus ruwenzorii*
b Connecting process of nose-leaf low and rounded 48
48 a Forearm length 49 - 54 mm; skull length 22.4 - 23.3 mm ..... *Rhinolophus alcyone*
b Forearm length 40 - 45 mm; skull length 17.6 mm or less ..... *Rhinolophus swinnyi*
49 a Face and edges of sella naked; forearm length 50 - 56 mm ..... *Rhinolophus clivosus*
b Face and edges of sella with long hairs 50
50 a Forearm 58 - 65 mm ..... *Rhinolophus hildebrandti*
African Chiroptera name ..... *Rhinolophus hildebrandtii*
b Forearm 48 - 58 mm ..... *Rhinolophus fumigatus*
51 a Second phalange of third digit nearly 3 times as long as the first (subfamily Miniopterinae; genus *Miniopterus*) 60
b Second phalange of the third digit shorter 52
52 a Ear slightly but evidently funnel-formed; very high braincase (subfamily Kerivoulinae; genus *Kerivoula*) 61
b Ears largely open at their base and not funnel-formed; normal braincase (subfamily Vespertilioninae) 53
53 a 6 Pm and M in upper and lower jaw (genus *Myotis*) 64
b Less than 6 Pm and M 54
54 a 5 Pm and M in upper and lower jaw (genus *Pipistrellus*) 66
b 4 Pm and M in upper and 5 in lower jaw 55
55 a 1 upper incisor 56
b 2 upper incisors 57
56 a M^1 and M^2 with W-pattern distorted or nearly absent (genus *Scotophilus*) 70
b M^1 and M^2 with W-pattern nomal (genus *Nycticeius*) 72
57 a Ears very enlarged, about 18 mm and more ..... *Laephotis wintoni*
b Ears normally much less enlarged 58
58 a Very short and broad rostrum; the height of the braincase (with the bullae) more than 2/3 of the condylo-basal length; lower lip with fleshy lobes at angle of mouth (genus *Glauconycteris*) 74
b Height of the braincase (bullae included) much less than the distance from incisors to posterior zygoma root 59
59 a Very shortened wings; the third digit not longer than head and body length; skull much flattened ..... *Mimetillus moloneyi*
b Normal wings; skull not especially flattened (genus *Eptesicus*) 80
60 a Forearm 43 - 47 mm ..... *Miniopterus schreibersi*
African Chiroptera name ..... *Miniopterus schreibersii*
b Forearm 45 - 50 mm ..... *Miniopterus inflatus*
c Forearm 37 - 39 mm ..... *Miniopterus minor*
61 a Interfemoral fringe scarcely developed 62
b Interfemoral fringe well developed 63
62 a Forearm 34 mm ..... *Kerivoula smithi*
African Chiroptera name ..... *Kerivoula smithii*
b Forearm 26 - 30 mm ..... *Kerivoula phalaena*
63 a Size larger, forearm 34 - 40 mm; colour bright orange-rufous above, whitish below ..... *Kerivoula argentata*
b Size smaller, forearm 26 - 34 mm; colour dark grey or brownish above, dusky below ..... *Kerivoula harrisoni*
African Chiroptera name ..... *Kerivoula lanosa*
64 a With dichromatic wing membranes; forearm 52 - 58 mm ..... *Myotis welwitschi*
African Chiroptera name ..... *Myotis welwitschii*
b Wing membranes uniformly dark 65
65 a Larger, forearm 47 - 51 mm ..... *Myotis tricolor*

b Smaller, forearm 33 - 40 mm..... *Myotis bocagei*
African Chiroptera name ..... *Myotis bocagii*
66 a Outer upper incisor greatly reduced ; entire underside white .*Pipistrellus (Scotozous) rüppelli*
African Chiroptera name ..... *Pipistrellus rueppellii*
b Outer upper incisor not greatly reduced; underside dark or grey-tipped 67
67 a Outer edge of tragus angular; fur bicolored above and below*Pipistrellus (Pipistrellus) nanus*
African Chiroptera name ..... *Neoromicia nana*
b Outer edge of tragus curved; fur not bicolored above and below 68
68 a Fur bicolored below only ..... *Pipistrellus (Pipistrellus) nanulus*
African Chiroptera name ..... *Pipistrellus nanulus*
b Fur unicolored above and below 69
69 a Size extremely small, forearm 23 - 24 mm; skull not flattened*Pipistrellus (Pipistrellus) musciculus*
African Chiroptera name ..... *Hypsugo musciculus*
b Size not so reduced, forearm 28 mm ; skull broad and flattened .....*Pipistrellus (Pipistrellus) crassulus*
African Chiroptera name .....*Hypsugo crassulus*
70 a Very large, forearm about 80 mm .....*Scotophilus gigas*
African Chiroptera name .....*Scotophilus nigrita*
b Smaller, forearm not over 58 mm..... 71
71 a Forearm 50 - 58 mm; skull total length 18 - 21 mm .....*Scotophilus nigrita*
(This should be *Scotophilus dinganii*. See Robbins (1978))
African Chiroptera name ..... *Scotophilus dinganii*
b Forearm 43 - 50 mm; skull total length 16 - 18 mm .....*Scotophilus leucogaster*
72 a Breadth across upper canines 4 mm; M^3 reduced .. *Nycticeius (Scoteinus) schlieffeni*
African Chiroptera name .....*Nycticeinops schlieffenii*
b Breadth across upper canines 5 mm or more; M^3 not reduced 73
73 a Wing membranes dark ..... *Nycticeius (Scotoecus) hirundo*
African Chiroptera name ..... *Scotoecus hirundo*
b Wing membranes light..... *Nycticeius (Scotoecus) albofuscus*
African Chiroptera name ..... *Scotoecus albofuscus*
74 a Wing and interfemoral membranes conspicuously veined....*Glauconycteris variegata*
b Wing and interfemoral membranes not conspicuously veined..... 75
75 a Body colour black and white..... *Glauconycteris superba*
b Body colour not black and white 76
76 a Wing and interfemoral membranes pale brown ..... *Glauconycteris argentata*
b Wing and interfemoral membranes dark brown 77
77 a No light lateral markings on body; colour dark brown .....*Glauconycteris beatrix*
b Light lateral markings on body; colour dark brown or pale buff 78
78 a Colour buffy .....*Glauconycteris poensis*
b Colour dark brown 79
79 a White spot on shoulder.....*Glauconycteris humeralis*
b White spot on shoulder and white flank band .....*Glauconycteris alboguttatus*
African Chiroptera name .....*Glauconycteris alboguttata*
80 a Wings pale..... 81
b Wings dark; Forearm 26 - 36 mm ..... *Eptesicus capensis*
African Chiroptera name .....*Neoromicia capensis*
81 a Dorsal colour dark brown; forearm 28 - 32 mm ..... *Eptesicus tenuipinnis*
African Chiroptera name .....*Neoromicia tenuipinnis*
b Dorsal colour light brown ; forearm 35 - 38 mm.....*Eptesicus rendalli*
African Chiroptera name ..... *Neoromicia rendalli*
82 a A prominent vertical projection on the zygomatic arch; ears very large, about 38 mm ..... *Otomops martiensseni*
b Not combining these characters..... 83
83 a 4 post-canine upper cheek teeth, 1 lower incisor; upper incisors in contact with canines; ears translucent and widely separated (genus *Myopterus*)..... 86

b 5 post-canine upper cheek teeth (first upper premolar often minute, sometimes deciduous); generally two lower incisors, upper incisors not in contact with canines; ears not translucent or widely separated (genus *Tadarida*) 84

84 a M^3 reduced, cusps forming V pattern, 3rd. enamel crest, when present, less than half length of 2nd. Ears normally conjoined, sometimes with interaural crest (subgenus *Mops*) 87

b M^3 little reduced, cusps forming W pattern, 3rd. enamel crest little reduced; ears conjoined or separate 85

85 a Palate normally without conspicuous premaxillary emargination, a small notch may be present, not extending back to level of canine roots; ears conjoined, often with interaural crests (subgenus *Chaerephon*) 94

b Palate with conspicuous premaxillary emargination, extending back to level of canine roots; ears generally separate, without interaural crests (subgenus *Tadarida*) 100

86 a Size smaller, forearm 33 - 36 mm ..... *Myopterus whitleyi*

b Size larger, forearm 51 - 56 mm ..... *Myopterus albatus*
African Chiroptera name ..... *Myopterus daubentonii*

87 a Size smallest, forearm under 31 mm (28 - 31 mm) ..... *Tadarida (Mops) nanula*
African Chiroptera name ..... *Mops (Xiphonycteris) nanulus*

b Size larger, forearm longer than 35 mm 88

88 a Size largest, forearm over 59 mm (59 - 66 mm.) ..... *Tadarida (Mops) midas*
African Chiroptera name ..... *Mops (Mops) midas*

b Size intermediate, forearm under 59 mm 89

89 a Ears not joined at base; forearm 52 mm ..... *Tadarida (Mops) niangarae*
African Chiroptera name ..... *Mops (Mops) niangarae*

b Ears joined at base 90

90 a Males with paired scent glands bordering penis; forearm 42 - 46 mm *Tadarida (Mops) demonstrator*
African Chiroptera name ..... *Mops (Mops) demonstrator*

b Males without such glands 91

91 a Forearm over 45 mm 92

b Forearm under 45 mm (37 - 41 mm) 93

92 a Forearm 45 - 50 mm ..... *Tadarida (Mops) condylura*
African Chiroptera name ..... *Mops (Mops) condylurus*

b Forearm 52 - 57 mm ..... *Tadarida (Mops) congica*
African Chiroptera name ..... *Mops (Mops) congicus*

93 a Underparts brownish, flanks below deep blackish brown ... *Tadarida (Mops) thersites*
African Chiroptera name ..... *Mops (Xiphonycteris) thersites*

b Underparts whitish, flanks below not blackish brown ..... *Tadarida (Mops) leonis*
African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*

94 a Distinct projecting separate lobe or lappet between inner bases of ears ..... *Tadarida (Chaerephon) major*
African Chiroptera name ..... *Chaerephon major*

b Without such a lobe or lappet 95

95 a Size larger, forearm over 40 mm 96

b Size smaller, forearm under 40 mm 99

96 a No white lateral band on lower border of wing membrane 97

b White lateral band on lower border of wing membrane 98

97 a Forearm 42 - 46 mm ..... *Tadarida (Chaerephon) russata*
African Chiroptera name ..... *Chaerephon russatus*

b Forearm 48 - 52 mm ..... *Tadarida.(Chaerephon) aloysii-sabaudiae*
African Chiroptera name ..... *Chaerephon aloysiisabaudiae*

98 a Wing membranes dark above ; forearm 44 - 50 mm *Tadarida (Chaerephon) nigeriae*
African Chiroptera name ..... *Chaerephon nigeriae*

b Wing membranes pale above ; forearm 48 - 50 mm *Tadarida (Chaerephon) spillmanni*
African Chiroptera name ..... *Chaerephon nigeriae spillmanni*

99 a Males with long sharply bicolored interaural crest; forearm 34 - 37 mm ..... *Tadarida (Chaerephon) chapini*
African Chiroptera name ..... *Chaerephon chapini*

	b	Males with crest, when present, short and not bicolored; forearm 35 - 40 mm; Wing membranes and underside dark or light.....*Tadarida (Chaerephon) pumila (including limbata)* African Chiroptera name .....*Chaerephon pumilus*
100	a	Size very large, forearm 60 - 66 mm..... 101
	b	Size smaller, forearm under 53 mm..... 102
101	a	Little white on ventral surface.....*Tadarida (Tadarida) africana* African Chiroptera name .....*Tadarida ventralis*
	b	Clear white ventral band.....*Tadarida (Tadarida) fulminans* African Chiroptera name .....*Tadarida fulminans*
102	a	With pair of cutaneous glands opening on undersurface of tail membrane near tail root (in both sexes) ; forearm 44 - 47 mm.....*Tadarida (Tadarida) cistura* African Chiroptera name .....*Chaerephon bemmeleni*
	b	Without such glands..... 103
103	a	With conspicuous black throat patch; forearm 45 - 48 mm..... *Tadarida (Tadarida) ansorgei* African Chiroptera name .....*Chaerephon ansorgei*
	b	Without such throat patch; forearm 52 mm..... *Tadarida (Tadarida) brunnea* African Chiroptera name .....*Tadarida aegyptiaca bocagei*

Appendix 5t: Hayman and Hill (1971). Order Chiroptera: The mammals of Africa

1	a	Second digit terminating in a claw in all African genera; margin of ear conch forming a complete ring; tragus always absent; interfemoral membrane greatly reduced, little more than a narrow band along inside margin of hind legs; tail absent or rudimentary in all African genera; cheek teeth simple, without well-devel.ped cusp pattern (suborder MEGACHIROPTERA; family PTEROPODIDAE) 2
	b	Second digit without a claw; margin of ear conch not forming a complete ring; tragus generally present (absent in two families); interfemoral membrane generally well-developed; tail generally well-developed (absent in one family); cheek teeth cuspidate with generally clearly defined W-pattern (suborder MICROCHIROPTERA)..... 37
2	a	Tongue with tip rounded and not densely papillate, not highly extensible; cheek teeth not extremely reduced (subfamily PTEROPODINAE) 3
	b	Tongue with long pointed tip, densely papillate, highly extensible; cheek teeth extremely reduced (subfamily MACROGLOSSINAE).....*Megaloglossus woermanni*
3	a	Facial pattern of white nose and eye patches..... 4
	b	No facial pattern as above..... 5
4	a	Post-dental palate present (genus *Scotonycteris*) 14
	b	Post-dental palate absent.....*Casinycteris argynnis*
5	a	Ears with white basal tufts..... 6
	b	Ears without white basal tufts..... 11
6	a	Size very large, forearm 118 or more; rostrum very deep, end of muzzle truncated, ending in fleshy plate; no white shoulder tuft in Male .....*Hypsignathus monstrosus*
	b	Size smaller, forearm 45 - 100; rostrum shallow, end of muzzle simple; white shoulder tuft in adult Male 7
7	a	Cheek teeth 4/6, 4/5 or 5/6; interfemoral membrane greatly reduced, no more than a narrow flange; calcar absent .....*Plerotes anchietai* African Chiroptera name ..... *Plerotes anchietae*
	b	Cheek teeth 3/5; interfemoral membrane well developed, calcar present..... 8
8	a	Forearm 60 - 100..... 9
	b	Forearm 45 - 55..... 10
9	a	Six prominent palatal ridges, not more than two being post-dental; the latter not differentiated from inter-dental ridges; post-dental palate strongly concave posteriorly (genus *Epomophorus*)..... 15
	b	Five, or 9 - 11, palatal ridges, with sometimes from 5 to 7 post-dental; latter strongly differentiated from inter-dental ridges; post-dental palate flattened posteriorly (genus *Epomops*) 22
10	a	Rostrum broad; 5 - 6 palatal ridges, obviously divided by median groove (genus *Micropteropus*) 24
	b	Rostrum slender; 12 - 13 palatal ridges, only posterior group narrowly divided .....*Nanonycteris veldkampi* African Chiroptera name ..... *Micropteropus pusillus*
11	a	Forearm generally more than 100; tail present or absent..... 12
	b	Forearm generally under 100; short tail present 13
12	a	Forearm generally more than 120; distinctive colour pattern, generally a red or yellowish mantle contrasting strongly wih black or cream dorsal region, or entirely black; no sharp demarcation of dorsal fur; no tail occipital region of skull tubular; distribution entirely non-continental (genus *Pteropus*)..... 26
	b	Forearm generally 110 - 130; colour generally tawny, with dorsal fur restricted to narrow median band, sharply demarcated from naked wing membranes; short tail; occipital region not..tubular; distribution continental and Madagascar *Eidolon helvum*
13	a	Forearm 65 - 102; muzzle longer; M^2 not greatly reduced; ruff of stiff hair present or absent on lower neck in adult Male (genus *Rousettus*) 34
	b	Forearm 55 - 65; muzzlle shorter; M^2 greatly reduced; ruff of stiff hair on lower neck of adult Male (genus *Myonycteris*) 36
14	a	Forearm 45 - 55; total skull length 24 - 26; no white tuft at base of ears *Scotonycteris zenkeri*
	b	Forearm 74 - 78; total skull length 38 - 40; white tuft at base of ears.....*Scotonycteris ophiodon*

African Chiroptera name ..... *Casinycteris ophiodon*

15 a One post-dental palatal ridge; forearm 77 - 89 (males), 72 - 86 (females) *Epomophorus wahlbergi*

b Two post-dental palatal ridges 16

16 a 4th palatal ridge midway between 3rd and 5th 17

b 4th palatal ridge much nearer 3rd than 5th 20

17 a Smaller, no noticeable sexual size difference; forearm 60 - 66 *Epomophorus labiatus*
African Chiroptera name ..... *Epomophorus minor*

b Larger, noticeable sexual size difference; forearm not less than 70 (males), 66 (females)..... 18

18 a Forearm 87 - 93 (males), 81 - 86 (females) ..... *Epomophorus gambianus*

b Forearm less than above..... 19

19 a Forearm 71 - 78 (males), 66 - 74 (females) ..... *Epomophorus anurus*
African Chiroptera name ..... *Epomophorus labiatus*

b Forearm 81 - 85 (males), 79 - 80 (females) ..... *Epomophorus crypturus*

20 a 6th palatal ridge posterior to middle of post-dental palate; forearm 82 (females) ..... *Epomophorus reii*
African Chiroptera name ..... *Epomophorus labiatus*

b 6th palatal ridge anterior to middle of post-dental palate 21

21 a Forearm 87 - 91 (males), 82 (females) ..... *Epomophorus angolensis*

b Forearm 91 (females)..... *Epomophorus pousarguesi*
African Chiroptera name ..... *Epomophorus gambianus pousarguesi*

22 a 3 thick and prominent interdental palatal ridges, post-dental palate with two pairs of thick ridges, each with two triangular projections; forearm 88 (Male) *Epomops dobsoni*
African Chiroptera name ..... *Epomophorus dobsonii*

b 4 interdental and 5 - 7 post-dental palatal ridges; latter thin, serrate, arcuate..... 23

23 a 3rd interdental palatal ridge nearly always undivided; zygomatic breadth about three-fifths total skull length; forearm 88 - 96 (Males), 82 - 93 (Females) *Epomops franqueti*

b 3rd interdental palatal ridge broadly divided in centre; zygomatic breadth about half total skull length; forearm 92 - 100 (Males), 88 - 92 (Females) . *Epomops buettikoferi*

24 a Six palatal ridges; 2nd to 6th narrowly divided medially, arranged in two parallel lines of separate pairs; forearm 63 - 65.8, total skull length 36.5..... *Micropteropus grandis*
African Chiroptera name ..... *Epomophorus grandis*

b Five palatal ridges 25

25 a 2 - 5 palatal ridges, widely separated anteriorly by a deep V-shaped groove, not arranged in separate pairs; smaller, forearm 48 - 54, total skull length c. 30 ..... *Micropteropus pusillus*

b 2 - 5 palatal ridges, divided medially, converging posteriorly in clearly separate pairs; larger, forearm 58 - 63.5, total skull length 32 - 33.4 ..... *Micropteropus intermedius*

26 a Forearm under 100; fur notably woolly and dense; ears hidden in fur (Réunion, Mauritius)..... *Pteropus subniger*

b Forearm over 120; fur not woolly and dense; ears not hidden in fur 27

27 a General colour above and below a dark seal-brown or black (sometimes a rufous shoulder spot); ears rounded; forearm 162 - 172 (Comoro Is.) .. *Pteropus livingstonei*
African Chiroptera name ..... *Pteropus livingstonii*

b Mantle and back with strongly contrasting bicolor pattern; ears pointed 28

28 a Mantle and median spinal tract blackish, contrasting with pale buff flanks; forearm 159 - 171 (Réunion, Mauritius)..... *Pteropus niger*

b Mantle red or yellow, back blackish 29

29 a Forearm under 141..... 30

b Forearm over 141..... 31

30 a Forearm 124 - 127 (Rodriguez)..... *Pteropus rodricensis*

b Forearm 130 - 141 (Aldabra I.)..... *Pteropus aldabrensis*

31 a Ears longer, 37 - 38; forearm 158 - 171 (Madagascar)..... *Pteropus rufus*

b Ears shorter, 32 or less; forearm 143 - 161 32

32 a Ears 21 - 23; forearm 151 - 161 (Pemba I.) ..... *Pteropus voeltzkowi*

b Ears 31 - 32..... 33

33 a Back sprinkled with grey; forearm 143 - 154 (Seychelles)..... *Pteropus seychellensis*

b Back not sprinkled with grey; forearm 151 - 157 (Comoros: Mafia I.)..... *Pteropus comorensis*

African Chiroptera name ..... *Pteropus seychellensis*

34 a Wings from first toe; hair short and sleek; cheek teeth heavy; forearm generally above 90 (up to 105); premaxillaries in contact, not co-ossified; adult males without collar of stiff hairs (Subgenus *Rousettus*) ..... *Rousettus aegyptiacus*

b Wings from second toe; hair longer and coarser; cheek teeth reduced in bulk; forearm generally below 90; premaxillaries either in contact, or co-ossified; adult males with or without differentiated collar of stiff hairs 35

35 a Braincase strongly deflected; cheek teeth very narrow; premaxillaries not co-ossified; no differentiated collar in adult males; forearm 65 - 90, tibia 39 - 40 (Subgenus *Stenonycteris*) ..... *Rousettus lanosus*

African Chiroptera name ..... *Stenonycteris lanosus*

b Braincase slightly deflected; cheek teeth short and broad; premaxillaries co-ossified; collar of stiff hairs in adult males; forearm 66 - 83, tibia 25 - 34 (Subgenus *Lissonycteris*) ..... *Rousettus angolensis*

African Chiroptera name ..... *Myonycteris angolensis*

36 a Canines not shortened; lower canines clearly longer than P_3; outer and inner ridges of P_4 fused anteriorly; cheek teeth lighter; no sagittal crest (Subgenus *Myonycteris*) ..... *Myonycteris torquata*

b Canines unusually shortened; lower canines conspicuously shorter than P_3; outer and inner ridges of P_4 widely separated; cheek teeth heavier; sagittal crest present (Subgenus *Phygetis*) ..... *Myonycteris brachycephala*

37 a Tragus present (small in Molossidae) 38

b Tragus absent 45

38 a Tail with terminal portion projecting to a marked degree free of interfemoral membrane 39

b Tail entirely enclosed within interfemoral membrane (exceptions in *Asellia* and *Hipposideros jonesi*, both Hipposideridae, both with a slight degree of terminal projection); or entirely absent 42

39 a Free terminal portion of tail emerges above middle of upper surface of interfemoral membrane (family EMBALLONURIDAE) 47

b Free terminal portion of tail projecting considerably beyond hind margin of interfemoral membrane 40

40 a Free portion of tail very slender and very long, much longer than interfemoral membrane (family RHINOPOMATIDAE; genus *Rhinopoma*) 46

b Free terminal portion of tail stout, not appreciably longer than interfemoral membrane 41

41 a Sessile disc on thumb; ear with basal stalked mushroom-shaped process (family MYZOPODIDAE) ..... *Myzopoda aurita*

b Without such disc or process (family MOLOSSIDAE) 171

42 a Tail absent; nose-leaf present (family MEGADERMATIDAE) 65

b Tail always present; nose-leaf present or absent 43

43 a Muzzle without nose-leaves of any kind (family VESPERTILIONIDAE) 100

b Muzzle with nose-leaves 44

44 a Muzzle with deep central longitudinal slit lined with fleshy dermal outgrowths (family NYCTERIDAE) 55

b Face with well-developed nose-leaves covering muzzle 45

45 a Posterior leaflet of nose-leaf subtriangular, with erect pointed tip; toes with three phalanges (family RHINOLOPHIDAE; genus *Rhinolophus*) 66

b Posterior leaflet of nose-leaf with upper edge either elliptical in outline, or tridentate; toes with two phalanges (family HIPPOSIDERIDAE) 82

46 a Forearm generally over 60 (maximum 75); tail nearly always shorter than forearm; nasal inflation of skull relatively smaller ..... *Rhinopoma microphyllum*

b Forearm generally under 60 (minimum 46); tail generally longer than forearm; nasal inflation of skull relatilvely larger ..... *Rhinopoma hardwickei*

African Chiroptera name ..... *Rhinopoma cystops*

47 a 4 lower incisors; 2 upper incisors (very minute, often absent); forearm more than 57; gular sac present or absent (genus *Taphozous*) 49

b 6 lower incisors; 2 or 4 upper incisors; forearm not more than 57; no gular sac 48

48 a 2 upper incisors; forearm 45 - 57 (genus *Coleura*) 54

b 4 upper incisors; forearm 38 ..... *Emballonura atrata*

African Chiroptera name ..... *Paremballonura atrata*

49 a Forearm not exceeding 70; skull with deep frontal depression; radio-metacarpal pouch present; bullae incomplete; total skull length at least 20, up to 22.5 (Subgenus *Taphozous*) 51

b Forearm exceeding 70; skull with frontal depression shallow; bullae complete or incomplete; total skull length 26 - 33 50

50 a Forearm 70 - 75 (in S.W. Asia up to 82); skull 26 - 28; radio-metacarpal pouch present; bullae incomplete; body not fully haired, rump and pygal areas naked ..... *Taphozous (Liponycteris) nudiventris*
African Chiroptera name ..... *Taphozous nudiventris*

b Forearm 84 - 95; skull 30 - 33; bullae complete; no radio-metacarpal pouch; body fully haired..... *Taphozous (Saccolaimus) peli*
African Chiroptera name ..... *Saccolaimus peli*

51 a Entire dorsal fur conspicuously grizzled greyish; entire ventral surface clear white; forearm 58 - 64; large gular sac in male ..... *Taphozous (Taphozous) mauritianus*
African Chiroptera name ..... *Taphozous mauritianus*

b Dorsal fur never grizzled, either unicolor brownish or white-based with brownish tips; ventral surface either dusky or only partially white; forearm 60 or more; gular sac present or absent 52

52 a Adult male with conspicuous blackish-brown throat patch contrasting strongly with pale undersurface; Female with slight blackish wash on throat; wings whitish; no gular sac; underside often clear white except for throat area; forearm 65 - 70 ...*Taphozous (Taphozous) hildegardeae*
African Chiroptera name ..... *Taphozous hildegardeae*

b No blackish throat patch; underside generally dusky, not whitish; wings either whitish or dark; forearm 60 - 67..... 53

53 a Skull very broad and heavily built; body and wings very dark; naked gular patch in Females (Male not known); forearm 66 ..... *Taphozous (Taphozous) hamiltoni*
African Chiroptera name ..... *Taphozous hamiltoni*

b Skull not broad or heavily built; wings dark or pale, body paler; no gular patch in either sex; forearm 60 - 67 ..... *Taphozous (Taphozous) perforatus*
African Chiroptera name ..... *Taphozous perforatus*

54 a Forearm generally below 52, not or only a little more than three times skull length ..... *Coleura afra*

b Forearm generally over 52 (maximum 57), more than 31 times skull length... *Coleura seychellensis*

55 a Posterior lower premolar very small, its tip reaching approximately to cingulum of anterior premolar; no marked concavity at centre of the posterior margin of tragus 56

b Posterior lower premolar large, its height equal or almost equal to that of anterior cusp of first molar; marked concavity at centre of posterior margin of tragus (*arge* group) 63

56 a Upper incisors trifid (tragus falciform or semilunate) (*hispida* group) 57

b Upper incisors bifid (tragus semilunate or pyriform) 58

57 a Forearm 36 - 45, ear 18 - 25 ..... *Nycteris hispida*

b Forearm 57 - 66, ear 28 - 35 ..... *Nycteris grandis*

58 a Tragus semi-lunate, base of its posterior margin not notched (*aethiopica* group).. 59

b Tragus pyriform, base of its posterior margin shallowly notched (*thebaica* group) 62

59 a General colour greyish (forearm 37 - 42, ear 29 - 34) ..... *Nycteris woodi*

b General colour brownish 60

60 a Forearm 38 - 43, ear 19.2 - 21 ..... *Nycteris parisii*

b Forearm above 43, ear above 21 61

61 a Forearm 45 - 52, ear 22 - 28 ..... *Nycteris aethiopica*
African Chiroptera name ..... *Nycteris macrotis*

b Forearm 45 - 50, ear 28 - 34 ..... *Nycteris macrotis*

62 a Forearm 42 - 52, ear 28 - 37 ..... *Nycteris thebaica*

b Forearm 39 - 43, ear 25 - 28 ..... *Nycteris gambiensis*

63 a Forearm 32 - 36, ear 20 - 22 ..... *Nycteris nana*

b Forearm 36 and more, ear above 22 64

64 a Forearm 36 - 46, ear 28 - 33 ..... *Nycteris arge*

b Forearm 47 - 50, ear 27 - 32 ..... *Nycteris major*

65 a Noseleaf small, evenly rounded above, not more than 10 mm long; tragus with inner lobe quadrate or rounded, outer lobe pointed but less than half length of ear ..... *Cardioderma cor*
b Noseleaf long, bluntly truncated at tip, about 20 mm long; tragus with inner lobe sharply pointed, outer lobe pointed and more than half length of ear..... *Lavia frons*
66 a Connecting process behind sella obsolescent, barely marked, very low; antitragus greatly developed 67
b Connecting process behind sella always well-developed, either rounded, erect or long and narrow; antitragus not greatly developed 68
67 a Forearm 57 - 68 (generally 63 and over); antitragus with anterior emargination and basal spur ..... *Rhinolophus maclaudi*
b Forearm 55 - 57; antitragus without anterior emargination and basal spur *Rhinolophus ruwenzorii*
68 a Face and/or lateral margins of sella liberally furnished with long hairs; connecting process low, rounded; greatest breadth of horseshoe generally over 9 69
b Sella naked; connecting process rounded or pointed; greatest breadth of horseshoe generally under 9..... 70
69 a Forearm 62 - 67..... *Rhinolophus hildebrandti* African Chiroptera name ..... *Rhinolophus hildebrandtii*
b Forearm 50 - 60..... *Rhinolophus fumigatus*
70 a Forearm less than 40; connecting process low and blunt; sella cuneate *Rhinolophus hipposideros*
b Forearm over 40, except in R. denti knorri with forearm 37.5 to 40.5, but with erect connecting process and sella parallel-sided 71
71 a Anterior upper premolar, when present, external to toothrow; canine and p^4 in contact; connecting process bluntly pointed 72
b Anterior upper premolar in toothrow; canine and p^4 not in contact; connecting process blunt or sharply pointed 73
72 a Forearm 50 - 57 (See notes below under *R. clivosus*)..... *Rhinolophus clivosus*
b Forearm 45 - 50..... *Rhinolophus darlingi*
c Forearm 53 - 60..... *Rhinolophus ferrumequinum*
73 a 1st phalanx of 4th finger notably shortened in relation to metacarpal length..... 74
b 1st phalanx of 4th finger not notably shortened in relation to metacarpal length.... 76
74 a Conneting process rising to erect point; axillary glandular sac in many adult males 75
b Connecting process lower; rounded; no axillary sac; forearm 45 - 48..... *Rhinolophus alticolus* African Chiroptera name ..... *Rhinolophus simulator*
75 a Forearm 40 - 48..... *Rhinolophus landeri*
b Forearm 49 - 54..... *Rhinolophus alcyone*
76 a Connecting process rises to high and narrow horn..... 77
b Connecting process with low, bluntly pointed tip 79
77 a Sella cuneate or wedge-shaped; no marked contrast between crown areas of anterior and posterior lower premolars; forearm 44 - 48..... *Rhinolophus blasii*
b Sella parallel-sided; strong contrast between crown area of anterior and posterior lower premolars..... 78
78 a Posterior lancet of noseleaf gradually narrowing; forearm 45 - 50 *Rhinolophus euryale*
b Posterior lancet of noseleaf abruptly narrowing to linear tip; forearm 48 - 51 ..... *Rhinolophus mehelyi*
79 a Larger, forearm 47 - 51; skull 20 or more..... *Rhinolophus capensis*
b Smaller, forearm 40 - 46; skull 18.7 or less..... 80
80 a Sella broader; ears longer..... *Rhinolophus simulator*
b Sella narrower; ears shorter..... 81
81 a Front edge of connecting process almost concave; lancet with sides almost convex; fur whitish at base ..... *Rhinolophus denti*
b Front edge of connecting process convex; lancet with sides concave, tip pointed; fur nearly unicolored..... *Rhinolophus swinnyi*
82 a Posterior leaflet on noseleaf simple in outline, elliptical or rounded, not tridentate; ears either separate or united by low band; rostrum at least half as long as braincase; small upper premolar present, with one exception, i.e. *H. megalotis*; zygoma not greatly expanded; forearm 34 - 115 (genus *Hipposideros*) 85

b Posterior leaflet of noseleaf tridentate; ears always separate; small upper molar present or absent; rostrum sometimes less than half as long as braincase; zygoma not or greatly expanded; forearm 31 - 54 83

83 a Tail projecting up to 7 mm beyond end of interfemoral membrane; ears large, 18 - 20, with pointed tip; small upper premolar absent; rostrum at least half as long as braincase; zygoma not greatly expanded; forearm 44 - 54 (genus *Asellia*)..... 96

b Tail not projecting beyond end of interfemoral membrane; small upper premolar present..... 84

84 a Size very small, forearm 31 - 35; ears very low, rounded, rim-like, 8; noseleaf small and inconspicuous; thumbs minute; rostrum less than half length of braincase; zygoma not greatly expanded ..... *Cloeotis percivali*

b Size larger, forearm 50 - 54; ears short, 10 - 14, but pointed; noseleaf conspicuous; thumbs normal; rostrum more than half length of braincase; zygoma greatly expanded into wide plate; upper incisors bifid (genus *Triaenops*)..... 97

85 a Size very small, forearm less than 40 (34 - 38); ears very large, more than half length of forearm, linked at base by low fold of integument across crown; p^2 absent ..... *Hipposideros megalotis*

b Size larger, forearm more than 40; ears not obviously linked in any way; p^2 present 86

86 a Posterior and central noseleaves each bearing a median club-shaped process; size large, forearm 59 - 76; ears narrow and pointed; prominent longitudinal frontal sac in both sexes; colour very distinctive, fur blackish brown with tips frosted with greyish 87

b Noseleaf without club-shaped process; frontal sacs present or absent..... 88

87 a Forearm 59 - 71..... *Hipposideros cyclops*
African Chiroptera name ..... *Doryrhina cyclops*

b Forearm 74 - 76..... *Hipposideros camerunensis*

88 a Noseleaf with enlarged pad-like internarial septum, partly concealing nostrils..... 89

b Internarial septum not enlarged, not concealing nostrils..... 91

89 a Posterior part of noseleaf elongated, subtriangular in outline; internarial septum large, broader than long; ears very large, about half length of forearm; forearm 44 - 55; no frontal sac..... *Hipposideros jonesi*

b Posterior part of noseleaf f usual low arched outline; internarial septum smaller, longer than broad; ears less than half forearm length; frontal sac present..... 90

90 a Two poorly developed lateral leaflets; forearm 42 - 47 ..... *Hipposideros curtus*

b One rudimentary supplementary lateral leaflet; forearm 40 - 41 *Hipposideros marisae*

91 a Size very large, forearm 79 - 115; ears very narrow and pointed; longitudinal frontal sac in both sexes..... *Hipposideros commersoni*
African Chiroptera name ..... *Macronycteris commersoni*

b Size moderate, forearm 40 - 66; ears broad 92

92 a Three secondary lateral leaflets; forearm 58 - 66; frontal sac in both sexes ..... *Hipposideros abae*

b Two secondary lateral leaflets; forearm 41 - 64; frontal sac present or absent..... 93

93 a Frontal sac absent; forearm 59 - 64 ..... *Hipposideros fuliginosus*

b Frontal sac present, opening transversely; forearm 41 - 58 94

94 a Forearm normally 41 - 44, exceptionally to 47; tail 19 - 25..... *Hipposideros beatus*

b Forearm 44 - 58: tail 30 or more 95

95 a Forearm generally less than 48; colour greyish, or pale orange when in bright phase; median posterior narial compartment narrow, with wide lateral inflations *Hipposideros caffer*

b Forearm generally exceeding 48; colour brownish, or rufous when in bright phase; median posterior narial compartment wide with narrow lateral inflations *Hipposideros ruber*

96 a Forearm 45 - 51..... *Asellia tridens*

b Forearm 38 - 41..... *Asellia patrizii*

97 a Internal border of ear deeply notched; external lobes of trident deeply notched at external base; ears small, c. 12 - 14; forearm over 50 (51 - 55) 98

b Internal border of ear not notched; external lobes of trident not notched basally; ears large, c 17; forearm under 50 (42 - 47) ..... *Triaenops furculus*
African Chiroptera name ..... *Paratriaenops furculus*

98 a Colour pale (in both phases); mainland ..... *Triaenops persicus*

	b	Colour darker (in both phases); Madagascar 99
99	a	Colour reddish ..... *Triaenops rufus*
		African Chiroptera name ..... *Triaenops menamena*
	b	Colour greyish-brown ..... *Triaenops humbloti*
100	a	Second phalanx of third digit not especially elongated 101
	b	Second phalanx of third digit about three times as long as first; braincase high and rounded (subfamily MINIOPTERINAE; genus *Miniopterus*) 168
101	a	Ears not funnel-shaped, without deep emargination below tip; tragus short and broad, or long and narrow, but not sharply pointed; braincase not particularly high and rounded (subfamily VESPERTILIONINAE) 102
	b	Ears funnel-shaped, with deep emargination below tip; tragus long, narrow, sharply pointed; braincase high and rounded (subfamily KERIVOULINAE; genus *Kerivoula*) 161
102	a	Six upper, six lower cheek teeth on each side (genus *Myotis*) 113
	b	Less than six upper and six lower cheek teeth 103
103	a	Five upper, six lower cheek teeth; ears much longer than head, nearly equal in length to forearm, joined by low band across crown ..... *Plecotus austriacus*
	b	Five upper, five lower cheek teeth; ears not lengthened 104
	c	Four upper, five lower cheek teeth; ears only exceptionally notably lengthened . 107
104	a	Two upper incisors on each side 105
	b	One upper incisor on each side (genus *Nycticeius*) (in part) 124
105	a	Wing with fifth finger shortened, barely longer than metacarpals of 4th and 3rd (genus *Nyctalus*) 126
	b	Wing with fifth finger not shortened 106
106	a	Ears not joined at base (genus *Pipistrellus*) 127
	b	Ears joined at base (genus *Barbastella*) 150
107	a	Two upper incisors on each side 108
	b	One upper incisor on each side 111
108	a	Wing extremely narrow, third digit not longer than head and body; skull flattened; tragus extremely short and blunt ..... *Mimetillus moloneyi*
	b	Wing not narrowed; skull not flattened; tragus not extremely short and blunt 109
109	a	Rostrum very short and broad; braincase very high more than two-thirds of condylobasal length; lower lip with lobe at posterior angle; frequently with body pattern of spots and/or stripes, or conspicuous reticulation of wing membranes (genus *Glauconycteris*) 151
	b	Rostrum not shortened; braincase not elevated; no body or wing pattern 110
110	a	Ear 18 or more, about half length of forearm ..... *Laephotis wintoni*
	b	Ears under 18, much less than half length of forearm (genus *Eptesicus*) 137
111	a	Ears very large, ore than half length of forearm, separate; pelage almost white ..... *Otonycteris hemprichi*
		African Chiroptera name ..... *Otonycteris hemprichii*
	b	Ear not enlarged; pelage brownish 112
112	a	Size larger, forearm not less than 46; 1st and 2nd upper molars with W-pattern obsolescent; tragus long and tapering (genus *Scotophilus*) 159
	b	Size smaller, forearm under 46; 1st and 2nd upper molars with normal W-pattern; tragus either sickle-shaped or short and broad (genus *Nycticeius*) 124
113	a	Size larger, forearm above 52 114
	b	Size smaller, forearm 52 or less 115
114	a	Wing and interfemoral membranes not parti-coloured ..... *Myotis (Myotis) blythii*
	b	Wing, interfemoral membranes and forearm conspicuously parti-coloured (black and red) ..... *Myotis (Chrysopteron) welwitschii*
		African Chiroptera name ..... *Myotis welwitschii*
115	a	Wings with glands; first two upper premolars greatly reduced and closely crowded together laterally (subgenus *Cistugo*) 118
	b	Wings without glands; first two upper premolars not greatly reduced, not crowded together laterally 116
116	a	Feet enlarged, more than half length of tibia ..... *Myotis (Leuconoe) capaccinii*
		African Chiroptera name ..... *Myotis capaccinii*
	b	Feet not enlarged, not more than half length of tibia 117

117 a Ears not lengthened; calcar usually with lobe; forearm 32 - 52 (subgenus *Selysius*) 119
b Ears lengthened; calcar unlobed; forearm c. 38 .....*Myotis (Isotus) nattereri*
118 a Size smaller, forearm 32.5 - 2.9 ..... *Myotis (Cistugo) seabrai*
African Chiroptera name ..... *Cistugo seabrae*
b Size larger, forearm 34.5.....*Myotis (Cistugo) lesueuri*
African Chiroptera name ..... *Cistugo lesueuri*
119 a Size larger, forearm 47 - 52..... *Myotis (Selysius) tricolor*
African Chiroptera name ..... *Myotis tricolor*
b Size smaller, forearm less than 47..... 120
120 a Canines (upper and lower) much reduced, subequal in length to third premolars; tail long, equal to head and body length; braincase sharply elevated above rostrum; forearm 38 - 40.....*Myotis (Selysius) scotti*
African Chiroptera name .....*Myotis scotti*
b Canines not reduced; tail length and braincase not as above 121
121 a Size smaller, forearm about 34 (32 - 35).....*Myotis (Selysius) mystacinus*
b Size medium, forearm 35 - 45..... 122
122 a Posterior border of ear with conspicuous angular emargination; forearm about 40 (37 - 43) ..... *Myotis (Selysius) emarginatus.*
African Chiroptera name .....*Myotis emarginatus*
b Ear without conspicuous emargination 123
123 a Colour typically orange-rufous above; tragus blunt-tipped, not sharply pointed; forearm 36 - 40 ..... *Myotis (Selysius) bocagei*
African Chiroptera name ..... *Myotis bocagii*
b Colour brown, not orange-rufous; tragus tapering to sharp point; forearm 36 - 45 .....*Myotis (Selysius) goudoti*
African Chiroptera name .....*Myotis goudoti*
124 a Skull with rostrum not broadened; palatal emargination narrow; upper cheek teeth four only; anterior lower premolar about half the size (in crown area) of the next premolar; upper canines with rounded anterior surface; tragus halfmoon-shaped; penis not enlarged; forearm 29 - 33..... *Nycticeius (Scoteinus) schlieffeni*
African Chiroptera name .....*Nycticeinops schlieffenii*
b Skull with rostrum notably broadened, particularly across lachrymals; palatal emargination broader; upper cheek teeth four or five; lower premolars equal in crown area; upper canines with broad flat anterior face; tragus short and broad; penis greatly lengthened; forearm 28 - 38 (subgenus *Scotoecus*)..... 125
125 a Wings dark; four or five upper cheek teeth ..... *Nycticeius (Scotoecus) hirundo*
African Chiroptera name ..... *Scotoecus hirundo*
b Wings pale; four upper cheek teeth ..... *Nycticeius (Scotoecus) albofuscus*
African Chiroptera name ..... *Scotoecus albofuscus*
126 a Size larger; forearm 47 - 55.....*Nyctalus noctula*
b Size smaller; forearm 43 .....*Nyctalus verrucosus*
African Chiroptera name ..... *Nyctalus leisleri*
127 a Inner upper incisor unicuspid or not very deeply bifid; ventral surface brown or grey (subgenus *Pipistrellus*)..... 128
b Inner upper incisors deeply bifid; ventral surface pure white..*Pipistrellus (Scotozous) rueppelli*
African Chiroptera name ..... *Pipistrellus rueppellii*
128 a Tragus hatchet-shaped (with sharp angle on posterior border)*Pipistrellus (Pipistrellus) nanus*
African Chiroptera name .....*Neoromicia nana*
b Tragus not hatchet-shaped (no sharp angle on posterior border) 129
129 a Tragus with greatest width equal to half length of anterior border.....*Pipistrellus (Pipistrellus) savii*
African Chiroptera name .....*Hypsugo savii*
b Tragus with greatest width much less than half length of anterior border 130
130 a Pelage unicoloured above and below 131
b Pelage not unicoloured above and below 132
131 a Skull very broad and flat; forearm 28 .....*Pipistrellus (Pipistrellus) crassulus*
African Chiroptera name .....*Hypsugo crassulus*

	b	Skull very small, rounded, with short rostrum and high braincase; forearm 24 - 25 ..... *Pipistrellus (Pipistrellus) musciculus* African Chiroptera name ..... *Hypsugo musciculus*
132	a	Pelage unicoloured above, bicoloured below..... 133
	b	Pelage bicoloured above and below 134
133	a	Size small, forearm 25.5 - 31.0, total length of skull 11.6 - 11.8, skull with uninflated supraorbital region..... *Pipistrellus (Pipistrellus) nanulus* African Chiroptera name ..... *Pipistrellus nanulus*
	b	Size large, forearm 33.7 - 35.1, total length of skull 14.0 - 14.3, skull with supraorbital region expanded laterally ..... *Pipistrellus (Pipistrellus) eisentrauti* African Chiroptera name ..... *Hypsugo eisentrauti*
134	a	Both upper incisors conical and unicuspid; small upper premolar unusually minute, often hidden by gum..... *Pipistrellus (Pipistrellus) ariel* African Chiroptera name ..... *Hypsugo ariel*
	b	Upper incisors not as above; small upper premolar not unusually minute 135
135	a	Outer upper incisors less than half height of inner incisor; large upper premolar in contact with canine; white border to wing membrane ....*Pipistrellus (Pipistrellus) kuhli* African Chiroptera name .....*Pipistrellus kuhlii*
	b	Outer upper incisor more than half height of inner incisor; large upper premolar well separated from canine by small upper premolar..*Pipistrellus (Pipistrellus) pipistrellus* African Chiroptera name .....*Pipistrellus pipistrellus*
136	a	Forearms, hind legs and tail without horny excrescences on upper surface (subgenus *Eptesicus*)..... 137
	b	Forearm, hind legs and tail sprinkled with horny excrescences on upper surface (subgenus *Rhinopterus*) 148
137	a	Wing membranes white or translucent..... 138
	b	Wing membranes dark 140
138	a	Dorsal pelage blackish-brown, in strong contrast to pale wings; forearm under 32 ..... *Eptesicus (Eptesicus) tenuipinnis* African Chiroptera name .....*Neoromicia tenuipinnis*
	b	Dorsal pelage pale to medium brown, not in strong contrast to pale wings; forearm over 32..... 139
139	a	Pelage buffy-brown above, dirty white below; forearm 34 - 38; inner upper incisors with basal cusp.....*Eptesicus (Eptesicus) rendalli* African Chiroptera name ..... *Neoromicia rendalli*
	b	Pelage nearer reddish-brown above, paler brown below; forearm c. 33; inner upper incisors without accessory cusp..... *Eptesicus (Eptesicus) brunneus* African Chiroptera name .....*Neoromicia brunnea*
140	a	Size larger, forearm more than 40 141
	b	Size smaller, forearm less than 40..... 145
141	a	Inner upper incisors unicuspid; colour dark brown; forearm 46 - 53.....*Eptesicus (Eptesicus) hottentotus* African Chiroptera name .....*Eptesicus hottentotus*
	b	Inner upper incisors bicuspid..... 142
142	a	Tragus broad and blunt; forearm 46 - 51 .....*Eptesicus (Eptesicus) platyops* African Chiroptera name ..... *Eptesicus platyops*
	b	Tragus narrow 143
143	a	Size larger, forearm 49 - 53.....*Eptesicus (Eptesicus) serotinus*
	b	Size smaller, forearm 40 - 46 144
144	a	Forearm 46; colour above pale brown, below greyish brown ....*Eptesicus (Eptesicus) loveni* African Chiroptera name ..... *Myotis tricolor*
	b	Forearm 40 - 43; colour above pale buffy, below white ..*Eptesicus (Eptesicus) bottae* African Chiroptera name .....*Eptesicus bottae*
145	a	Forearm 34.5 - 38.....*Eptesicus (Eptesicus) melckorum*
	b	Forearm 35 or less 146
146	a	Cranial portion of skull elevated above rostrum..... *Eptesicus (Eptesicus) zuluensis* African Chiroptera name .....*Neoromicia zuluensis*
	b	Cranial portion of skull not elevated above rostrum..... 147

147 a Size smallest, forearm 26 - 29 ..... *Eptesicus (Eptesicus) pusillus*
African Chiroptera name ..... *Neoromicia "incertae-sedis"*
b Size medium, forearm 30 - 32; skull lacking posterior occipital "helmet"..... *Eptesicus (Eptesicus) somalicus*
African Chiroptera name ..... *Neoromicia somalica*
c Size larger, forearm 29 - 35; skull with posterior occipital "helmet" ..... *Eptesicus (Eptesicus) capensis*
African Chiroptera name ..... *Neoromicia capensis*
148 a Colour pale fawn above, buff or whitish below..... 149
b Colour brown above and below..... *Eptesicus (Rhinopterus) notius*
African Chiroptera name ..... *Neoromicia capensis*
149 a Colour buff below ..... *Eptesicus (Rhinopterus) floweri*
African Chiroptera name ..... *Eptesicus floweri*
b Colour whitish below ..... *Eptesicus (Rhinopterus) lowei*
African Chiroptera name ..... *Eptesicus floweri*
150 a Posterior border of ear with small projecting lobe ..... *Barbastella barbastellus*
b Posterior border of ear without projecting lobe ..... *Barbastella leucomelas*
151 a Wing and tail membranes conspicuously reticulated by pigmentation of veining; no pale flank-stripe 152
b Wing and tail membranes not reticulated; either translucent or blackish-brown; pale flank-stripe sometimes present 153
152 a Dorsal colour pale buff or light tawny, head and neck generally paler; forearm 41 - 45 ..... *Glauconycteris variegata*
b Dorsal colour, including head and neck, dark brown; forearm 46..... *Glauconycteris machadoi*
153 a Wing and tail membranes pale, translucent; dorsal colour clay-buff; pale cream flank-stripe usually present; forearm 41 - 43..... *Glauconycteris argentata*
b Wing and tail membranes blackish brown..... 154
154 a Body colour, above and below, black with conspicuous pattern of white stripes and spots; forearm 47 ..... *Glauconycteris superba*
b Body colour never black and white 155
155 a Pale flank-stripe or shoulder-spot or both generally present 156
b Stripes or spots as above generally absent 158
156 a Body colour greyish fawn above and below, shoulder-spot and/or flank-stripe usually present; forearm 36 - 40..... *Glauconycteris poensis*
b Body colour brown above and below 157
157 a Shoulder-spot only; body colour hair brown; forearm 35 - 40 *Glauconycteris humeralis*
b Shoulder-spot and/or flank-stripe; body colour seal brown; forearm 41 *Glauconycteris alboguttatus*
African Chiroptera name ..... *Glauconycteris alboguttata*
158 a Colour uniformly dark brown above and below; ears short, rounded; forearm 39 ..... *Glauconycteris beatrix*
b Colour as above; ears large, subquadrangular; forearm 38 ..... *Glauconycteris egeria*
159 a Size very large, forearm 75 - 80; total skull length 30 or more ..... *Scotophilus gigas*
African Chiroptera name ..... *Scotophilus nigrita*
b Size smaller, forearm 43 - 65 160
160 a Forearm 50 - 65; skull 20 - 23 ..... *Scotophilus nigrita*
(This should be *Scotophilus dinganii*. See Robbins (1978))
African Chiroptera name ..... *Scotophilus dinganii*
b Forearm 43 - 50; skull 16 - 19 ..... *Scotophilus leucogaster*
161 a Interfemoral membrane with posterior edge lined with comb-like fringe of stiff hairs .. 162
b Interfemoral membrane without comb-like fringe, carrying only scattered hairs, if any 165
162 a Size large, forearm 34 - 39; skull 15 or more; colour above bright reddish-chestnut, below either whitish or buffy, never brown ..... *Kerivoula argentata*
b Size smaller, forearm 27 - 36; skull 13.5 or less; colour brownish or greyish-brown above and below 163
163 a Forearm 27 - 31; frosting or grizzling of dorsal pelage slight..... *Kerivoula muscilla*
African Chiroptera name ..... *Kerivoula lanosa*

	b	Forearm 30 - 36; frosting or grizzling of dorsal pelage conspicuous 164
164	a	Rostrum longer, C-M^3 greater than M^3-M^3; forearm 30 - 32 ..... *Kerivoula harrisoni* African Chiroptera name ..... *Kerivoula lanosa*
	b	Rostrum shorter, C-M^3 less than M^3-M^3 ; forearm 32 - 36 ..... *Kerivoula lanosa*
165	a	Forearm 32 - 34; dorsal pelage grizzled 166
	b	Forearm 27 - 29; dorsal pelage not grizzled (so far as known)..... 167
166	a	Outer lower incisors unicuspid; upper incisors long ..... *Kerivoula smithi* African Chiroptera name ..... *Kerivoula smithii*
	b	Outer lower incisors trilobed; upper incisors short ..... *Kerivoula cuprosa*
167	a	Fur uniformly light brown above and below; inner upper incisors clearly unicuspid ..... *Kerivoula phalaena*
	b	Fur dark brown basally, with tips greyish brown; inner upper incisors with distinct outer cusp ..... *Kerivoula africana*
168	a	Size very small, forearm less than 40 (35 - 39); condylobasal length of skull usually less than 13 ..... *Miniopterus minor*
	b	Size larger, forearm more than 40 (42 - 50); skull length approximately 14 - 16.. 169
169	a	Size largest, forearm 45 - 50; skull length 16 or more ..... *Miniopterus inflatus*
	b	Size medium, forearm c. 42 - 47; skull length c. 14 - 15..... 170
170	a	Forearm 42 - 44; skull length c. 14..... *Miniopterus fraterculus*
	b	Forearm c. 42 - 47; skull length c. 15..... *Miniopterus schreibersi* African Chiroptera name ..... *Miniopterus schreibersii*
171	a	Prominent vertical projection on zygoma; ears very large, 38 - 40, conjoined on extended snout; size very large, forearm 62 - 73; conspicuous bicolored dorsal pelage pattern, with pale collar separating dark anterior and posterior regions of body ..... *Otomops martiensseni*
	b	Not combining the above characters..... 172
172	a	Skull conspicuously flattened, greatest depth of braincase not more than one-third of greatest width 173
	b	Skull not conspicuously flattened 174
173	a	Upper cheek teeth 4 or 5 (1st upper premolar either greatly reduced or absent); well-developed gular sac; wart-like granulations on forearm; ears widely spaced; forearm 30 - 36 ..... *Platymops setiger*
	b	Upper cheek teeth 5 (1st upper premolar well-developed); no well-developed gular sac; no wart-like granulations on forearm; ears not widely spaced; forearm 36 - 42 ..... *Sauromys petrophilus*
174	a	Ears widely separated; lower incisors 1 - 1, with concave crowns lengthened antero-posteriorly; upper cheek teeth 4; M^3 much reduced; no palatal emargination; upper incisors in contact; ears and wing membranes translucent or whitish; underside of body entirely white (genus *Myopterus*) 176
	b	Ears not widely separated, sometimes conjoined, never translucent 175
175	a	Lower incisors 1 - 1; upper cheek teeth 5; canines greatly enlarged, particularly by basal expansion of cingula; lower canines meeting centrally above the minute and functionless lower incisors; ears separate; forearm under 30... *Xiphonycteris spurrelli* African Chiroptera name ..... *Mops (Xiphonycteris) spurrelli*
	b	Lower incisors 2 - 2 or 3 - 3; upper cheek teeth 4 or 5; canines not enlarged; ears separate or conjoined (in that case often with post-aural tufts or crests in adult males); forearm up to 66 and not less than 30, except in *Tadarida (Mops) nanulus* (genus *Tadarida*) 178
176	a	Size small, forearm 33 - 37; total skull length 17 - 19; pelage dark brown above ..... *Myopterus whitleyi*
	b	Size, larger, forearm more than 40 177
177	a	Forearm 51 - 56; total skull length 24 - 25.7; dorsal pattern slaty-grey with two contrasting lateral bands of dirty white..... *Myopterus albatus* African Chiroptera name ..... *Myopterus daubentonii*
	b	Forearm ? 44; total skull length 22; dorsal pelage brown ..... *Myopterus daubentonii*
178	a	Only 4 upper post-canine cheek teeth; M^3 not reduced; upper incisors widely separated by large palatal emargination; lower incisors 3 - 3; ears separate; size small, forearm c. 38 (subgenus *Mormopterus*) 181

b 5 upper post-canine cheek teeth (the small premolar very reduced, sometimes absent in *T.(Mops) condylura*, but in that case with M^3 reduced, ears conjoined, palatal emargination rudimentary or absent, size large, forearm 43 - 49); lower incisors normally 2 - 2, rarely 3 - 3; ears conjoined or separate; forearm 27 - 66 179

179 a M^3 reduced, cusps rarely more than V pattern; palatal emargination small or absent; ears generally conjoined, sometimes with post-aural tuft; size small to large, forearm 27 - 66 (subgenus *Mops*) 182

b M^3 not reduced, cusps forming N pattern 180

180 a Palatal emargination absent or rudimentary; ears conjoined, often with post-aural tuft, which is sometimes well developed; size medium, forearm 35 - 52 (subgenus *Chaerephon*) 190

b Palatal emargination well-developed; ears generally separate; size medium to large, forearm 45 - 66 (subgenus *Tadarida*) 197

181 a Ears with anterior margin slightly emarginated below pointed tip; colour uniformly dark brown above and below; total skull length 14 - 15 ..... *Tadarida (Mormopterus) acetabulosus*
African Chiroptera name ..... *Mormopterus acetabulosus*

b Ears without emargination, tips broadly rounded; colour above dark brown but with pale bases, underside dirty white over part of throat and ventral area; total skull length 16 - 17 ..... *Tadarida (Mormopterus) jugularis*
African Chiroptera name ..... *Mormopterus jugularis*

182 a Size smallest, forearm 31 or less ..... *Tadarida (Mops) nanula*
African Chiroptera name ..... *Mops (Xiphonycteris) nanulus*

b Size larger, forearm 35 or more 183

183 a Size largest, forearm 58 - 66; skull length 26 - 28 ..... *Tadarida (Mops) midas*
African Chiroptera name ..... *Mops (Mops) midas*

b Size medium, forearm 35 - 58 184

184 a Forearm over 50 185

b Forearm under 50 186

185 a Ears joined at base; forearm 52 - 57; skull 25 ..... *Tadarida (Mops) congica*
African Chiroptera name ..... *Mops (Mops) congicus*

b Ears separated at base; forearm 52; skull c.23 ..... *Tadarida (Mops) niangarae*
African Chiroptera name ..... *Mops (Mops) niangarae*

186 a Male with scent gland at base of penis; forearm 42 - 44 *Tadarida (Mops) demonstrator*
African Chiroptera name ..... *Mops (Mops) demonstrator*

b Male without such gland; forearm 35 - 50 187

187 a Forearm 44 - 50 188

b Forearm 35 - 41 189

188 a Crown darker than back; underside usually mainly white; skull with sagittal crest low, when present; 3rd commissure of M^3 obsolete; deep basisphenoid pits; forearm 44 - 47 ..... *Tadarida (Mops) niveiventer*
African Chiroptera name ..... *Mops (Mops) niveiventer*

b Crown not darker than back; little or no white on underside; skull with well-developed sagittal crest; 3rd commissure of M^3 present, though reduced; shallow basisphenoid pits; forearm 45 - 50 ..... *Tadarida (Mops) condylura*
African Chiroptera name ..... *Mops (Mops) condylurus*

189 a Underside brownish, with blackish flanks; forearm 38 - 41. *Tadarida (Mops) thersites*
African Chiroptera name ..... *Mops (Xiphonycteris) thersites*

b Underside whitish, flanks not blackish; forearm 35 - 38 ..... *Tadarida (Mops) leonis*
African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*

190 a Distinct separate lobe or lappet projecting between inner bases of ears ..... *Tadarida (Chaerephon) major*
African Chiroptera name ..... *Chaerephon major*

b Without such lobe or lappet 191

191 a Size larger, forearm 42 - 52 192

b Size smaller, forearm 34 - 42 196

192 a Paired caudal glands opening as slits on either side of tail root below; forearm 46 - 47 ..... *Tadarida (Chaerephon) cistura*
African Chiroptera name ..... *Chaerephon bemmeleni*

b Without such glands 193

193 a Conspicuous white lateral band below, along flanks at junction with membrane, contrasting with very dark brown colour above and below; wings dark or pale; forearm 44 - 50 ..... *Tadarida (Chaerephon) nigeriae*
African Chiroptera name ..... *Chaerephon nigeriae nigeriae*
b No white lateral band..... 194
194 a Forearm 42 - 46; colour russet brown ..... *Tadarida (Chaerephon) russata*
African Chiroptera name ..... *Chaerephon russatus*
b Forearm 46 - 52..... 195
195 a Colour umber-brown with variable pattern of white spots or short stripes arranged laterally on crown and sometimes also on shoulders and flanks; wings dark; skull with rostrum not elongated; forearm 46 - 51..... *Tadarida (Chaerephon) bivittata*
African Chiroptera name ..... *Chaerephon bivittatus*
b Colour uniformly russet brown without white spots or stripes; wings dark; skull with elongated narrow rostrum; forearm 52..... *Tadarida (Chaerephon) aloysiisabaudiae*
African Chiroptera name ..... *Chaerephon aloysiisabaudiae*
196 a Males with long (13 - 14mm) bicolored post-aural crest (dark basally, pale apically); forearm 34 - 39; underside white or whitish-tipped .... *Tadarida (Chaerephon) chapini*
African Chiroptera name ..... *Chaerephon chapini*
b Males with short (10 m or less) unicolored post-aural crest; wings dark or light; colour below variable, with or without white on the median area; forearm 37 - 42... *Tadarida (Chaerephon) pumila*
African Chiroptera name ..... *Chaerephon pumilus*
197 a Lower incisors 6; skull very narrow; lower canines widely separated at base; size large, forearm 54 - 64..... *Tadarida (Tadarida) teniotis*
African Chiroptera name ..... *Tadarida teniotis*
b Lower incisors 4; skull generally broad, rarely narrow; lower canines almost touching at base or widely separated; size medium to large, forearm 45 - 66 198
198 a Size large, forearm 57 - 66..... 199
b Size medium, forearm 45 - 53..... 201
199 a Ears very large, united at base very close to nostrils, projecting well beyond muzzle when laid forward; underside all white except for narrow brown flank-stripe; skull, particularly rostrum, very narrow; basisphenoid pits shallow; lower canines almost touching at base; forearm 63 ..... *Tadarida (Tadarida) lobata*
African Chiroptera name ..... *Tadarida lobata*
b Ears smaller, not united at inner margin, well back from nostrils, barely projecting beyond muzzle when laid forward; underside without or with restricted white area; skull not narrowed in rostral region; basisphenoid pits deeper, sharply defined; forearm 57 - 66..... 200
200 a Skull very broad and heavy, particularly in rostral region, total length 23.5 - 25.7; deep, sharply defined basisphenoid pits; lower canines almost touching at base; underside mostly brownish, sometimes with median white area; forearm 63 - 66 ..... *Tadarida (Tadarida) africana*
African Chiroptera name ..... *Tadarida ventralis*
b Skull much less broad in rostral region, total length 22 - 22.9; basisphenoid pits well-defined; lower canines almost touching at base; underside with variable white band on mid-ventral line; forearm 57 - 62 ..... *Tadarida (Tadarida) fulminans*
African Chiroptera name ..... *Tadarida fulminans*
201 a Size medium, forearm 44 - 53; total skull length 19 - 21; braincase flat; lower canines widely separated at base; no blackish area on chin and throat ... *Tadarida (Tadarida) aegyptiaca*
African Chiroptera name ..... *Tadarida aegyptiaca*
b Size smaller, forearm 47.5 or less; total skull length 18 - 20; braincase elevated; lower canines almost touching at base; chin and throat generally blackish ..... *Tadarida (Tadarida) ansorgei*
African Chiroptera name ..... *Chaerephon ansorgei*

Appendix 5u: Smithers (1971). The mammals of Botswana.

1	a	Second digit terminating in a claw; margin of ear conch forming a complete ring; tragus always absent; interfemoral membrane greatly reduced, little more than a narrow band along inside margin of hind-legs; tail absent or rudimentary; cheek teeth simple, without well-developed cusp pattern (Suborder Megachiroptera, Family Pteropodidae). 2
	b	Second digit without a claw (fig. 2); margin of ear conch not forming a complete ring; tragus present except in two families; interfemoral membrane generally well-developed ; tail generally well-developed (absent in one family); cheek teeth cuspidate with generally clearly defined W-pattern (Suborder Microchiroptera). 3
2	a	Post-dental palate markedly concave posteriorly; two postpalatal ridges posterior to teeth (Genus *Epomophorus*). ..... *Epomophorus crypturus*
	b	Post-dental palate rather flat; five to seven ridges posterior to teeth (Genus *Epomops*). ..... *Epomops dobsoni* African Chiroptera name ..... *Epomophorus dobsonii*
3	a	With a distinct tail extending free of the interfemoral membrane. 4
	b	Tail almost entirely enclosed within the interfemoral membrane. 5
4	a	Free terminal part of tail emerging upwards from near the middle of the interfemoral membrane (fig. 3 (a)) (Family Emballonuridae, Genus *Taphozous*). 8
	b	Free terminal part of tail emerging from the posterior part of the interfemoral membrane and extending well beyond it (fig. 3 (b)) (Family Molossidae). 9
5	a	No noseleaves (Family Vespertilionidae). 14
	b	Face with noseleaves. 6
6	a	Face with a deep central slit (fig. 4 (a)) (Family Nycteridae). *Nycteris thebaica capensis* African Chiroptera name ..... *Nycteris thebaica*
	b	Face without a deep central slit. 7
7	a	Posterior nose leaf subtriangular with an erect point (fig. 4 (b)) (Family Rhinolophidae). 27
	b	Posterior noseleaf elliptical (fig. 4 (c)) (Family Hipposideridae). 30
8	a	Fur above grizzled, the tips of the hair whitish, underside pure white; length of skull oyer 21.5 mm; forearm 58 to 64. ..... *Taphozous mauritianus*
	b	Fur above unicolor, length of skull less than 21.5 mm; forearm 60 to 67. .. *Taphozous perforatus rhodesiae* African Chiroptera name ..... *Taphozous perforatus sudani*
9	a	Skull distinctly flattened (depth of braincase about a third of its width) (fig. 5 (a)) (Genus *Sauromys*). ..... *Sauromys petrophilus petrophilus*
	b	Skull not flattened (fig. 5 (b)) (Genus *Tadarida*). 10
10	a	M^3 reduced, cusps rarely more than a V-pattern; palatal emargination small or absent; ears generally conjoined, sometimes with post-aural tuft; size small to large, forearm 27 - 66 (Subgenus *Mops*). 12
	b	M^3 not reduced, cusps forming N-pattern. 11
11	a	Palatal emargination absent or rudimentary; ears conjoined, often with post-aural tuft (sometimes well-developed); size medium, forearm 35 - 52 (Subgenus *Chaerephon*). 13
	b	Palatal emargination well-developed; ears generally separate; size medium to large, forearm 45 - 66 (Subgenus *Tadarida*). ..... *Tadarida (Tadarida) aegyptiaca bocagei* African Chiroptera name ..... *Tadarida aegyptiaca bocagei*
12	a	Size larger, forearm 58 - 66. ..... *Tadarida (Mops) midas midas* African Chiroptera name ..... *Mops (Mops) midas midas*
	b	Size smaller, forearm 45 - 50. ..... *Tadarida (Mops) condylura condylura* African Chiroptera name ..... *Mops (Mops) condylurus*
13	a	Conspicuous white lateral bands below along the flanks at the junction with the membrane, contrasting with the very dark brown colour above and below; forearm 44 - 50. ..... *Tadarida (Chaerephon) nigeriae spillmanni* African Chiroptera name ..... *Chaerephon nigeriae spillmanni*
	b	No white lateral bands; forearm 37 - 42. ..... *Tadarida (Chaerephon) pumila* African Chiroptera name ..... *Chaerephon pumilus*

14 a Ear funnel-formed, posterior edge of the interfemoral membrane with a hairy fringe (Genus *Kerivoula*). ..... *Kerivoula harrisoni lucia*
African Chiroptera name ..... *Kerivoula lanosa*
b Ear not funnel-formed, no hairy fringe..... 15
15 a Second phalanx of third finger nearly three times as long as the first (Genus *Miniopterus*)..... *Miniopterus schreibersi natalensis*
African Chiroptera name ..... *Miniopterus natalensis*
b Second phalanx of third finger not specially elongated..... 16
16 a Two upper incisors each side..... 17
b One upper incisor each side. 20
17 a Wings unicolor..... 18
b Wings with a conspicuous dark reticular pattern on a pale ground (Genus *Glauconycteris*). ..... *Glauconycteris variegata variegata*
African Chiroptera name ..... *Glauconycteris variegata*
18 a Upper jaw with two premolars each side (fig. 6 (b)) (Genus *Pipistrellus*). 21
b Upper jaw with one premolar each side (fig. 6 (a)). 19
19 a Ears longer than the head, over 18, skull elongate (fig. 7 (b) (fig. 10 (b)) (Genus *Laephotis*)..... *Laephotis wintoni angolensis*
African Chiroptera name ..... *Laephotis angolensis*
b Ears less than the length of the head, under 18, skull normal (fig. 7 (a)) (fig. 10 (a)) (Genus *Eptesicus*)..... 24
20 a Skull with a distinct posteriorly projecting helmet, ear tragus long, tapering (fig. 8 (a)) (Genus *Scotophilus*)..... 26
b Skull normal, ear tragus half-moon shaped (fig. 8 (b)) (Genus *Nycticeius*). *Nycticeius (Scoteinus) schlieffeni fitzsimonsi*
African Chiroptera name ..... *Nycticeinops schlieffenii*
21 a Inner upper incisors deeply bifid, ventral surface pure white (fig. 9 (c)) (Subgenus *Scotozous*). ..... *Pipistrellus (Scotozous) rueppelli vernayi*
African Chiroptera name ..... *Pipistrellus rueppellii vernayi*
b Inner upper incisors unicuspid or not very deeply bifid, ventral surface brown or grey (fig. 9 (a)) (Subgenus *Pipistrellus*)..... 22
22 a Second upper incisor very reduced..... *Pipistrellus (Pipistrellus) kuhli subtilis*
(This should be *Pipistrellus hesperidus subtilis*. See Kock (2001))
African Chiroptera name ..... *Pipistrellus hesperidus subtilis*
b Second upper incisor not very reduced, only slightly smaller than first. 23
23 a Braincase flatter, cranium nearly level with muzzle (fig. 10 (d))..... *Pipistrellus (Pipistrellus) rusticus rusticus*
African Chiroptera name ..... *Pipistrellus rusticus*
b Braincase clearly raised above level of muzzle (fig. 10 (c))... *Pipistrellus (Pipistrellus) nanus fouriei*
African Chiroptera name ..... *Neoromicia nana*
24 a Wing membranes white or translucent..... *Eptesicus (Eptesicus) rendalli*
African Chiroptera name ..... *Neoromicia rendalli*
b Wing membranes dark. 25
25 a Cranial portion of skull elevated above rostrum..... *Eptesicus (Eptesicus) zuluensis*
African Chiroptera name ..... *Neoromicia zuluensis*
b Cranial portion of skull not elevated above rostrum... *Eptesicus (Eptesicus) capensis capensis*
African Chiroptera name ..... *Neoromicia capensis*
26 a Length skull 19.6 - 23; under-parts usually yellow; length forearm 50 - 65. *Scotophilus nigrita dingani*
(This should be *Scotophilus dinganii*. See Robbins (1978))
African Chiroptera name ..... *Scotophilus dinganii*
b Length skull 16 - 19.1; under-parts usually beige; length forearm 43 - 50. *Scotophilus leucogaster viridis*
African Chiroptera name ..... *Scotophilus viridis*
27 a Size larger, forearm over 55, skull length over 23. ..... *Rhinolophus hildebrandti hildebrandti*
African Chiroptera name ..... *Rhinolophus hildebrandtii*
b Size smaller, forearm less than 55, skull length less than 23. 28

28 a Canine P^1 in contact; P^3 (if present) outside the tooth-row (fig. 12 (a)). .. *Rhinolophus darlingi darlingi*
African Chiroptera name .....*Rhinolophus darlingi*
b Canine separated from P^1 by P^3 (fig. 12 (b)). 29
29 a Size larger, forearm 42 - 45, skull length over 17.5, overall darker-buffy on ventral surface. .....*Rhinolophus simulator*
b Size smaller, forearm 42 or less, skull length under 17.5, overall paler, near white on ventral surface. ..... *Rhinolophus denti*
30 a Larger, rostrum half-length braincase, forearm over 42 (fig. 13 (a)) (Genus *Hipposideros*). 31
b Smaller, rostrum less than half-length of braincase, forearm less than 35.8 (fig. 14 (a)) (Genus *Cleotis*). .....*Cloeotis percivali australis*
African Chiroptera name .....*Cloeotis percivali*
31 a Smaller, forearm under 50.....*Hipposideros caffer caffer*
African Chiroptera name .....*Hipposideros caffer*
b Larger, forearm over 90.....*Hipposideros commersoni marungensis*
African Chiroptera name .....*Macronycteris commersoni*

Appendix 5v: Hill (1974). A review of Scotoecus Thomas, 1901 (Chiroptera: Vespertilionidae)

1 a Tragus long, relatively narrow; zygomata not cartilaginous; pm_2 reduced, its crown area one third to one half that of pm_4; this tooth not compressed in toothrow. ..... *Scotoecus pallidus*

b Tragus short, relatively wide ; zygomata cartilaginous ; pm_2 unreduced, its crown area subequal to that of pm_4; this tooth compressed in toothrow. 2

2 a Tragus more or less parallel-margined, the upper part of its anterior margin not prolonged anteriorly; outer part of wing membrane pale; ventral surface of body brown; braincase slightly flattened. ..... *Scotoecus albofuscus*

b Tragus slightly hatchet-shaped, the upper part of its anterior margin projected forward; outer part of wing membrane dark; ventral surface of body greyish, at most tinged with brown; braincase slightly elevated. 3

3 a Smaller, length of forearm generally less than 33.0, condylobasal length 13.2 or less, c-m^3 5.1 or less..... *Scotoecus hirundo*

b Larger, length of forearm generally exceeding 32.0, condylobasal length 13.5 or more, c-m^3 5.2 or more..... *Scotoecus hindei*

Appendix 5w: Fenton (1975). Observations on the biology of some Rhodesian bats, including a key to the Chiroptera of Rhodesia.

1	a	Claw present on second finger; FA 66 - 130 (PTEROPODIDAE)..... 7
	b	No claw on second finger; FA usually less than 66 2
2	a	Tail fully enclosed by interfemoral membrane..... 4
	b	Tail not fully enclosed by interfemoral membrane 3
3	a	Tail protruding through the interfemoral membrane; FA 58 - 67 (EMBALLONURIDAE) 12
	b	Tail extending beyond the end of the interfemoral membrane; FA 35 - 73 (MOLOSSIDAE) 49
4	a	Tail terminating in a T-shaped cartilage; ears large; FA 37 - 66 (NYCTERIDAE) .. 13
	b	Tail not terminating in a T-shaped cartilage..... 5
5	a	Nose-leaf ornamentation present..... 6
	b	Nose-leafs absent; FA 25 - 65 (VESPERTILIONIDAE) 29
6	a	Nose-leafs arranged as in Fig. 5; FA 37 - 67 (RHINOLOPHIDAE)..... 17
	b	Nose-leafs not arranged as in Fig. 5; FA 31 - 115 (HIPPOSIDERIDAE)..... 26
7	a	FA greater than 110; narrow band of fur between wings on dorsum; FA 110 - 130 .....*Eidolon helvum*
	b	FA less than 110 8
8	a	Ears with basal tufts of white fur 9
	b	Ears without basal tufts of white fur 11
9	a	One post-dental palatal ridge; FA 72 - 89 ..... *Epomophorus wahlbergi*
	b	Two post-dental palatal ridges 10
10	a	FA males 87 - 93; females 81 - 86 ..... *Epomophorus gambianus*
	b	FA males 81 - 85; females 79 - 80 ..... *Epomophorus crypturus*
11	a	Wing membranes insert on first toe; hair short and slick; FA 90 - 105 ..... *Rousettus aegyptiacus*
	b	Wing membranes insert on second toe; hair longer and coarser; FA 66 - 83*Rousettus angolensis* African Chiroptera name .....*Myonycteris angolensis*
12	a	Fur of dorsum grizzled greyish; venter white; FA 58 - 64 .....*Taphozous mauritianus*
	b	Fur of dorsum bicoloured, not grizzled; FA 60 - 67..... *Taphozous perforatus*
13	a	FA over 55; restricted to closed forest; upper incisors trifid; E 28 - 35; FA 57 - 66 ..... *Nycteris grandis*
	b	FA less than 55 14
14	a	Upper incisors trifid; E 18 - 25; FA 36 - 45 .....*Nycteris hispida*
	b	Upper incisors bifid..... 15
15	a	Tragus semilunate (Fig. 6A) 16
	b	Tragus pyriform (Fig. 6B); E 28 - 37; FA 42 - 52.....*Nycteris thebaica*
16	a	FA 37 - 42; E 29 - 34; colour greyish .....*Nycteris woodi*
	b	FA 45 - 50; E 28 - 34; colour brownish.....*Nycteris macrotis*
17	a	Face and/or lateral margins of sella (Fig. 5) with long hairs; connecting process low and rounded; greatest breadth of horseshoe usually over 9..... 18
	b	Face and/or lateral margins of sella without hairs; greatest breadth of horseshoe usually less than 9..... 19
18	a	FA 62 - 67.....*Rhinolophus hildebrandti* African Chiroptera name .....*Rhinolophus hildebrandtii*
	b	FA 50 - 60.....*Rhinolophus fumigatus*
19	a	Anterior upper premolar external to tooth row; connecting process bluntly pointed; upper canine and p^4 in contact..... 20
	b	Anterior upper premolar in tooth row; upper canine and p^4 not in contact..... 21
20	a	FA 50 - 57..... *Rhinolophus clivosus*
	b	FA 45 - 50.....*Rhinolophus darlingi*
21	a	First phalanx of fourth digit shortened relative to metacarpal; (phalanx less than 8); connecting process to erect point (Fig. 7D); FA 40 - 48 ..... *Rhinolophus landeri*
	b	First phalanx of fourth digit not shortened (over 8) 22
22	a	Connecting process rises to high, narrow horn (Fig. 7E); FA 44 - 48*Rhinolophus blasii*
	b	Connecting process low with bluntly pointed tip 23
23	a	FA 47 - 51..... *Rhinolophus capensis*

b FA less than 45 24
24 a Ears relatively long; sella broad, venter white; FA 40 - 46; connecting process as in Fig. 7F ..... *Rhinolophus simulator*
b Ears relatively short; sella narrow 25
25 a Front edge of connecting process convex; FA 40 - 46 ..... *Rhinolophus swinnyi*
b Front edge of connecting process concave (Fig. 7G); FA 37 - 42 .. *Rhinolophus denti*
26 a FA 31 - 35; nose-leaf small and trident ..... *Cloeotis percivali*
b FA over 40; nose-leaf not trident 27
27 a FA over 75 (79 - 115) ..... *Hipposideros commersoni*
African Chiroptera name ..... *Macronycteris commersoni*
b FA 40 - 55 28
28 a FA less than 48; greyish to pale orange fur; main posterior nasal compartment narrow with wide lateral inflations ..... *Hipposideros caffer*
b FA over 48; brownish to rufous; main posterior nasal compartment wide with narrow lateral inflations ..... *Hipposideros ruber*
29 a Second phalanx of third digit equal to three times the first phalanx; FA 42 - 47 (Miniopterinae) ..... *Miniopterus schreibersi*
African Chiroptera name ..... *Miniopterus schreibersii*
b Second phalanx of third digit less than three times the first phalanx 30
30 a Ears funnel-shaped with deep emargination below tip; tragus long and narrow with sharply pointed tip; FA 30 - 39 (Kerivoulinae) 31
b Not as above (Vespertilioninae) 32
31 a FA 34 - 39; venter whitish or buffy ..... *Kerivoula argentata*
b FA 30 - 32; venter brown ..... *Kerivoula harrisoni*
African Chiroptera name ..... *Kerivoula lanosa*
32 a Elongated muzzle; $P^{3-3}/_{3-3}$ $M^{3-3}/_{3-3}$; fur short and standing away from body; calcar long 33
b Muzzle short (less than three premolars) 35
33 a FA 56 - 57; membranes and FA particoloured (black and red) ..... *Myotis welwitschii*
b Fa less than 56 mm 34
34 a FA 47 - 52; membranes not particoloured ..... *Myotis tricolor*
b FA 36 - 40; membranes not particoloured; orange-rufous dorsum ..... *Myotis bocagei*
African Chiroptera name ..... *Myotis bocagii*
35 a Upper incisors 2 - 2 36
b Upper incisors 1 - 1 45
36 a Upper premolars 2 - 2; tragus short and blunt 37
b Upper premolars 1 - 1 40
37 a Venter pure white; fur extending slightly on to wings; fur of dorsum bicolour (dark base, light tips); membranes pale; FA 34 ..... *Pipistrellus rueppelli*
African Chiroptera name ..... *Pipistrellus rueppellii*
b Fur on venter dark or light grey; membranes dark 38
38 a Tragus hatchet-shaped (Fig. 8A); fur on dorsum bicoloured; FA 25 - 32 ... *Pipistrellus nanus*
African Chiroptera name ..... *Neoromicia nana*
b Tragus not hatchet-shaped (Fig. 8B) 39
39 a Pelage bicoloured above and below; outer upper incisor less than one half inner upper incisor; large upper premolar in contact with canine; FA 30 - 33 ..... *Pipistrellus kuhlii*
b Outer and inner upper incisors equal in size; colour more rufous; white border on posterior part of wing membranes between feet and fifth digit well marked; FA 27 - 30 ..... *Pipistrellus rusticus*
40 a Second phalanx of third digit greater than first; lower lip with lobe at posterior angle 41
b Second phalanx of third digit less than first; lower lip without lobe 42
41 a Wing and interfemoral membrane variegated; fur on venter white and unicoloured; FA 40 - 45 ..... *Glauconycteris variegata*
b Wing and interfemoral membrane not variegated; fur black at base, narrow white middle band, sandy tips; FA 39 - 44 ..... *Glauconycteris argentata**
African Chiroptera name ..... *Glauconycteris argentata*
42 a Ears over 18 and ca. 50 % of FA; FA 36 - 38 ..... *Laephotis angolensis*
b Ears less than 18; 30 - 40 % of FA 43
43 a FA 46 - 53; membranes dark; inner upper incisor unicuspid ..... *Eptesicus hottentotus*

b FA less than 45 44
44 a Membranes light or translucent; buffy brown dorsum; dirty white venter; FA 34 - 48 .....*Eptesicus rendalli**
African Chiroptera name ..... *Neoromicia rendalli*
b Membranes dark; FA 29 - 36..... *Eptesicus capensis*
African Chiroptera name .....*Neoromicia capensis*
45 a FA 40 - 80; tragus long and tapering..... 46
b FA less than 40; tragus short 48
46 a FA over 70 (70 - 80); venter white to orange brown .....*Scotophilus gigas*
African Chiroptera name .....*Scotophilus nigrita*
b Fa less than 70 mm..... 47
47 a FA 50 - 65; venter yellowish .....*Scotophilus nigrita*
(This should be *Scotophilus dinganii*. See Robbins (1978))
African Chiroptera name ..... *Scotophilus dinganii*
b FA 43 - 50; venter beige..... *Scotophilus leucogaster*
48 a Tragus short and rounded; upper canine grooved on anterior face; cheek teeth $^{2-3}/_{2-2}$; penis very elongate; tragus as in Fig. 8C; FA 31 - 33.....*Nycticeius hirundo*
African Chiroptera name ..... *Scotoecus hirundo*
b Tragus as in Fig. 8D; upper canine not grooved on anterior face; cheek teeth not as in preceding; penis not very elongated; FA 30 - 33 .....*Nycticeius schlieffeni*
African Chiroptera name .....*Nycticeinops schlieffenii*
49 a Ears very large (38 - 40), joined on projecting snout; collar of pale fur separating darker anterior and posterior parts; FA 62 - 73..... *Otomops martiensseni*
b Not combining above characteristics 50
50 a FA over 55..... 52
b FA less than 55 51
51 a FA 44 - 55..... 55
b FA 35 - 44..... 60
52 a Ears joined at base; FA 58 - 66..... *Tadarida midas*
African Chiroptera name .....*Mops (Mops) midas*
b Ears separate at base 53
53 a Venter white; wings translucent; ears large (29 - 30); white spot on mid-dorsum in adults; FA 57 - 60..... *Tadarida lobata*
b Venter not white; wings not translucent 54
54 a FA 60 - 67; brown and red forms .....*Tadarida africana**
African Chiroptera name .....*Tadarida ventralis*
b FA 57 - 60; brown and red forms .....*Tadarida fulminans*
55 a Venter dark or perhaps tinged with grey 56
b Venter light-coloured 59
56 a Conspicuous ridge of fur across dorsal surface of hips; variable pattern of white flecks or short stripes laterally on crown and perhaps shoulders and flanks; flanks quite bare; FA 44 - 49.....*Tadarida bivittata*
African Chiroptera name ..... *Chaerephon bivittatus*
b Conspicuous ridge of fur absent; no white flecks..... 57
57 a Ears separate; no white stripe at ventral contact of wings and body..... 58
b Ears joined at bases; white stripes at ventral contact of wings and body; fur on body black; wings translucent; FA 46 - 50 ..... *Tadarida nigeriae*
African Chiroptera name .....*Chaerephon nigeriae nigeriae*
58 a Chin and throat blackish; lower canines almost touching at bases; FA 44 - 47*Tadarida ansorgei*
African Chiroptera name .....*Chaerephon ansorgei*
b Chin and throat not blackish; lower canines well separated at bases; FA 44 - 53 .....*Tadarida aegyptiaca*
59 a Crown darker than back; underside usually mainly white; E 20 - 25; FA 44 - 47 .....*Tadarida niveiventer*
African Chiroptera name .....*Mops (Mops) niveiventer*
b Crown not darker than back; little or no white on venter; E 28 - 30; FA 45 - 50*Tadarida condylura*
African Chiroptera name .....*Mops (Mops) condylurus*

60 a Ears joined on top of head; variable pattern of white on venter including lateral stripes and central area of body; wings translucent; FA 37 - 42..... *Tadarida pumila*
African Chiroptera name .....*Chaerephon pumilus*
b Ears not joined on top of head; no white on venter; wings not translucent; FA 36 - 42 ..... *Sauromys petrophilus*

Appendix 5x: Bergmans (1975). On the differences between sympatric Epomops franqueti (Tomes, 1860) and Epomops buettikoferi (Matschie, 1899), with additional notes on the latter species (Mammalia, Megachiroptera).

1 a Forearm length, males > 91 mm, females usually > 86 mm; greatest skull length, males >51 mm, females usually > 45.8 mm; C^1-M^1, males > 16.5 mm, females usually > 15.0 mm; length M^1 >= 3.2 mm; third palatal ridge, from the front, divided in the middle. ..... *Epomops buettikoferi*

b Forearm length, males < 91 mm, females < 86 mm; greatest skull length, males < 51 mm, females usually < 45.8 mm; C^1-M^1, males < 16.5 mm, females usually < 15.0 mm; length M^1 <= 3.2 mm; third palatal ridge, from the front, undivided in the middle in most specimens. ..... *Epomops franqueti*

Appendix 5y: Hill (1977). A review of the Rhinopomatidae (Mammalia: Chiroptera).

1 a Larger, length of forearm 57.5 - 75 mm, condylobasal length 17.3 - 20.6 mm; tail usuaüy shorter than forearm; prominent sagittal crest; supraorbital ridges high, knife-like, their junction enclosing a recess or pocket, angled, the frontal region more or less pentagonal in outline, flat, rostrum with narial swellings not especially pronounced. .....*Rhinopoma microphyllum*

b Smaller, length of forearm 46 - 63.5 mm, condylobasal length 14.0 - 17.8 mm; tail usually longer than forearm; low sagittal crest; supraorbital ridges low, no prominent recess or pocket at their junction, straight, the frontal region more or less triangular, slightly depressed centrally; rostrum with prominent sub-globular narial swellings.. 2

2 a Muzzle with well-developed transverse dermal ridge; uppermost margins of rostrum slightly divergent anteriorly; narial inflations more or less globose, not projecting laterally much beyond anteriormost point of nasals, foremost extension of swelling in profile above the rear o f c^1. .....*Rhinopoma hardwickei* African Chiroptera name .....*Rhinopoma cystops*

b Dermal ridge on muzzle low; uppermost margins of rostrum more nearly parallel; narial inflations slightly angular, projecting considerably beyond anteriormost point of nasals, foremost extension of swelling in profile above front of c^1.....*Rhinopoma muscatellum*

Appendix 5z: Jones (1977a). Plecotus rafinesquii

1 a Supraorbital region sharply ridged (*Plecotus*) 2
b Supraorbital region not ridged: temporal ridges normally coalesced to form a sagittal crest (*Corynorhinus*) 3
2 a Width of tragus less than 5.4 mm; length of upper canine (height of crown) less than 1.7 mm; dorsal pelage buff or gray; bases of hairs on venter dark brown or buff .....*Plecotus auritus*
b Width of tragus greater than 5.4 mm; length of upper canine (height of crown) greater than 1.7 mm; dorsal pelage usually gray; bases of hairs on venter dark black*Plecotus austriacus*
3 a Tips of ventral hairs white or whitish, sharlpy contrasted with blackish bases; median postpalatan process triangular in shape, with a broad base; rostrum weak and much depressed; I^1 with prominent secondary cusp; anterointernal cusp usually present on cingulum of P^4 .....*Plecotus rafinesquii*
b Tips of ventral hairs brownish of buff, often not shaply contrasted with slate, gray, or brownish bass; median post-palatal process usually styliform, with a narrow base (ocassionally triangular); rostrum strong and not depressed, or variable; I^1 with or without secondary cusp; anterointernal cusp absent or variable on cingulum of P^4. 4
4 a Coloration of dorsum dark sooty-brown, with scant contrast between bases and tips of hairs; greatest length of skull usually less than 15.7 mm (females) or 15.5 mm (males); maxillary toothrow usually less than 4.9 mm; I^1 usually with secondary cusp; tragus usually less than 13 mm long; interfemoral cross ribs usually less than nine .....*Plecotus mexicanus*
b Coloration of dorsum sometimes yellow-bron, with sharp contrast between bases an tips of hairs; greatest length of skull usually more thatn 15.7 mm (females), or 15.5 mm (males); maxillary toothrow usually more than 4.9 mm; I^1 usually simple; tragus usually more than 13 mm long; interfemoral cross ribs usually more than nine*Plecotus townsendii*

Appendix 5aa: Smithers and Wilson (1979). Check List and Atlas of the Mammals of Zimbabwe Rhodesia

1	a	Second digit terminating in a claw; margin of ear forming a complete ring; tragus absent; interfemoral membrane greatly reduced, little more than a narrow band along the inner margin of the hind legs; tail absent or rudimentary; cheek teeth simple, without well developed cusp pattern (Sub Order Megachiroptera, Family Pteropodidae). 2
	b	Second digit without a claw; margin of ear cone not forming a complete ring; tragus general present; interfemoral membrane generally well developed; tail generally well developed; cheek-teeth cuspidate with generally clearly defined W-pattern (Sub Order Microchiroptera). 8
2	a	Ears with white basal tufts. 3
	b	Ears without white basal tufts. 4
3	a	Six palatal ridges, not more than two post-dental, the latter not differentiated from interdental ridges; post -dental palate strongly concave posteriorly (Genus *Epomophorus*). 5
	b	Five, or 9 - 11, palatal ridges, with sometimes five to seven post-dental, the latter strongly differentiated from the interdental ridges; post dental palate flattened posteriorly . ..... *Epomops dobsoni* African Chiroptera name ..... *Epomophorus dobsonii*
4	a	Forearm generally over 100; tail absent. ..... *Eidolon helvum*
	b	Forearm generally under 100; short tail present (Genus *Rousettus*). 7
5	a	One post-dental palatal ridge; forearm in males 77 - 89; females 72 - 86. *Epomophorus wahlbergi wahlbergi* African Chiroptera name ..... *Epomophorus wahlbergi*
	b	Two post-dental palatal ridges. 6
6	a	Forearm 87 - 93 (males), 81 - 86 (females). ..... *Epomophorus gambianus parvus* African Chiroptera name ..... *Epomophorus crypturus*
	b	Forearm 81 - 85 (males), 79 - 80 (females). ..... *Epomophorus crypturus*
7	a	Wings from the first toe; hair short and sleek; cheek teeth heavy; forearm generally above 90 (up to 105); premaxillaries in contact, not co-ossified; adult males without collar or stiff hairs. ..... *Rousettus aegyptiacus leachi* African Chiroptera name ..... *Rousettus aegyptiacus*
	b	Wings from second toe; hair longer and coarser; cheek teeth reduced in bulk; forearm generally below 90; premaxillaries either in contact, or co-ossified; adult males with our without differentiated collar of stiff hairs. ..... *Rousettus (Lissonycteris) angolensis angolensis* African Chiroptera name ..... *Myonycteris angolensis angolensis*
8	a	Tragus present (small in Molossidae). 9
	b	Tragus absent. 13
9	a	Tail with terminal portion projecting to a marked degree free of the interfemoral membrane. 10
	b	Tail entirely enclosed within the interfemoral membrane or entirely absent. 11
10	a	Free terminal portion of the tail emerges above the middle of upper surface of the interfemoral membrane (Family Emballonuridae, Genus *Taphozous*). 14
	b	Free terminal portion of the tail projecting considerably beyond the hind margin of the interfemoral membrane (Family Molossidae). 15
11	a	Muzzle without noseleaves of any kind (Family Vespertilionidae). 26
	b	Muzzle with noseleaves. 12
12	a	Muzzle with deep central longitudinal slit lined with fleshy dermal outgrowths (Family Nycteridae, Genus *Nycteris*). 47
	b	Muzzle without deep central longitudinal slit but covered with well developed nose leaves. 13
13	a	Posterior leaflet of noseleaf subtriangular, with erect pointed tip; toes with three phalanges (Family Rhinolophidae, Genus *Rhinolophus*). 51
	b	Posterior leaflet of noseleaf with upper edge either elliptical in outline, or tridentate; toes with two phalanges (Family Hipposideridae). 59
14	a	Entire dorsal fur conspicuously grizzled greyish; entire ventral surface white; forearm 58 - 64. ..... *Taphozous mauritianus*

b Dorsal fur not grizzled; ventral surface either dusky or only partially white; forearm 60 - 67..... *Taphozous perforatus rhodesiae*
African Chiroptera name ..... *Taphozous perforatus sudani*

15 a Prominent vertical projection on the zygoma; ears large, 38 - 40, conjoined on extended snout; size large, forearm 62 - 73; conspicuous bicoloured dorsal pelage pattern, with a pale collar separating the darker anterior and posterior regions of the body.....*Otomops martiensseni martiensseni*

b Not combining the above characters..... 16

16 a Skull conspicuously flattened, greatest depth of the braincase not more than one third of the greatest width. .....*Sauromys petrophilus petrophilus*

b Skull not conspicuously flattened (Genus*Tadarida*)..... 17

17 a M^3 reduced, cusps rarely more than V pattern: palatal emargination small or absent; ears generally conjoined, sometimes with a post-aural tuft; size small to large, forearm 27 - 66 (Subgenus *Mops*)..... 19

b M^3 not reduced, cusps forming N pattern..... 18

18 a Palatal emargination absent or rudimentary; ears conjoined, often with post-aural tuft, which is sometimes well developed; size medium, forearm 35 - 52 (Subgenus *Chaerephon*). 20

b Palatal emargination well developed; ears generally separate; size medium to large, forearm 45 - 66 (Subgenus *Tadarida*)..... 23

19 a Size large, forearm 58 - 66, total length skull 26 - 28. ..*Tadarida (Mops) midas midas*
African Chiroptera name .....*Mops (Mops) midas midas*

b Size smaller, forearm 44 - 50. .....*Tadarida (Mops) condylura*
African Chiroptera name .....*Mops (Mops) condylurus*

20 a With conspicuous white lateral bands below, along the flanks at the junction with the wing membrane, contrasting with the dark brown colour above and below, wings pale or dark; forearm 44 - 50.....*Tadarida (Chaerephon) nigeriae spillmanni*
African Chiroptera name ..... *Chaerephon nigeriae spillmanni*

b No white lateral bands below. 21

21 a Forearm 46 - 51; colour umber brown with a variable pattern of small white spots or short stripes on the crown, shoulders or flanks..... *Tadarida (Chaerephon) bivittata*
African Chiroptera name ..... *Chaerephon bivittatus*

b Forearm less than 42; no variable pattern of white spots or short stripes. 22

22 a Males with a long (12 - 14 mm) bicoloured post-aural crest, dark basally, pale apically; forearm 34 - 39; underparts white. ..... *Tadarida (Chaerephon) chapini shortridgei*
African Chiroptera name .....*Chaerephon chapini*

b Males with a short (10 mm or less) unicoloured post aural crest ; forearm 37 - 42; underparts flanked with brown or greyish brown with restricted area of white centrally. .....*Tadarida (Chaerephon) pumila*
African Chiroptera name .....*Chaerephon pumilus*

23 a Size large, forearm 57 - 66..... 24

b Size smaller, forearm 45 - 53. 25

24 a Ears large, united at base very close to the nostrils, projecting well beyond muzzle when laid forward; underside all white except for narrow brown flank stripe; skull, particularly rostrum, very narrow; basisphenoid pits shallow; lower canines almost touching at base; forearm 63. .....*Tadarida (Tadarida) lobata*
African Chiroptera name ..... *Tadarida lobata*

b Ears smaller, not united at inner margin, well back from nostrils, barely projecting beyond muzzle when laid forward; underside with or without restricted white area; skull not narrow at rostral region; basisphenoid pits deeper, sharply defined; forearm 57 - 66. ..... *Tadarida (Tadarida) fulminans mastersoni*
African Chiroptera name .....*Tadarida fulminans*

25 a Size medium, forearm 44 - 53; total length of skull 19 - 21; braincase flat; lower canines widely separated at base; no blackish area on chin and throat..... *Tadarida (Tadarida) aegyptiaca aegyptiaca*
African Chiroptera name ..... *Tadarida aegyptiaca aegyptiaca*

b Size smaller, forearm 47.5 or less; total length of skull 18 - 20; braincase elevated; lower canines almost touching at base, chin and throat generally blackish. . *Tadarida (Tadarida) ansorgei*
African Chiroptera name .....*Chaerephon ansorgei*

26	a	Second phalanx of third digit not specially elongated. 27
	b	Second phalanx of third digit about three times as long as first; braincase high and rounded (Subfamily Miniopterinae, Genus *Miniopterus*). 28
27	a	Ears not funnel shaped, without deep emargination below tip; tragus short and broad, or long and narrow, but not sharply pointed; braincase not particularly high and rounded (Subfamily Vepertilioninae). 30
	b	Ears funnel shaped, with deep emargination below tip; tragus long, narrow, sharply pointed; braincase high and rounded (Subfamily Kerivoulinae, Genus *Kerivoula*). 46
28	a	Size large, forearm 45 - 50, total length skull 16 or more. ... *Miniopterus inflatus rufus*
	b	Size medium, forearm c. 42 - 47; total length skull 14 - 15. 29
29	a	Forearm 42 - 44; total length skull c. 14. ..... *Miniopterus fraterculus*
	b	Forearm c. 42 - 47; total length skull c. 15. ..... *Miniopterus schreibersi natalensis* African Chiroptera name ..... *Miniopterus natalensis*
30	a	Six upper, six lower teeth on each side (Genus *Myotis*). 37
	b	Less than six upper and six lower cheek teeth. 31
31	a	Five upper, five lower cheek teeth; ears not lengthened. 32
	b	Four upper, five lower cheek teeth, ears only exceptionally notably lengthened. .. 33
32	a	Two upper incisors on each side (Genus *Pipistrellus*). 39
	b	One upper incisor on each side (Genus *Nycticeius*) (in part). .... *Nycticeius schlieffeni australis* African Chiroptera name ..... *Nycticeinops schlieffenii*
33	a	Two upper incisors on each side. 34
	b	One upper incisor on each side. 36
34	a	Rostrum very short and broad, braincase very high, more than two-thirds of the condylobasal length; wing with conspicuous reticulation of membranes. *Glauconycteris variegata variegata* African Chiroptera name ..... *Glauconycteris variegata*
	b	Rostrum not shortened; braincase not elevated; no body or wing pattern. 35
35	a	Ears 18 or more, about half length of forearm. ..... *Laephotis botswanae*
	b	Ears under 18, much less than half length of forearm (Genus *Eptesicus*). 42
36	a	Size larger, forearm not less than 46; 1st and 2nd upper molars with W pattern obsolescent; tragus long and tapering (Genus *Scotophilus*). 44
	b	Size smaller; forearm under 46; 1st and 2nd upper molars with normal W pattern; tragus either sickle shaped or short and broad. ..... *Nycticeius schlieffeni australis* African Chiroptera name ..... *Nycticeinops schlieffenii*
37	a	Size larger, forearm over 52; wings and interfemoral membrane spotted black or orange. ..... *Myotis welwitschii*
	b	Size smaller, forearm 52 or under; wings and interfernoral membrane not spotted black or orange. 38
38	a	Forearm 47 - 52. ..... *Myotis tricolor*
	b	Forearm 36 - 40. ..... *Myotis bocagei* African Chiroptera name ..... *Myotis bocagii*
39	a	Inner upper incisors deeply bifid; ventral surface whitish. *Pipistrellus rueppelli rueppelli* African Chiroptera name ..... *Pipistrellus rueppellii rueppellii*
	b	Inner upper incisors unicuspid or not very deeply bifid; ventral surface brown or grey. 40
40	a	Second upper incisor very reduced. ..... *Pipistrellus kuhli subtilis* African Chiroptera name ..... *Pipistrellus hesperidus subtilis*
	b	Second upper incisor not very reduced, only slightly smaller than the first. 41
41	a	Braincase flatter, cranium nearly level with the muzzle. .. *Pipistrellus rusticus rusticus* African Chiroptera name ..... *Pipistrellus rusticus*
	b	Braincase clearly raised above the level of the muzzle. ..... *Pipistrellus nanus* African Chiroptera name ..... *Neoromicia nana*
42	a	Larger, forearm 46 - 53. ..... *Eptesicus hottentotus bensoni* African Chiroptera name ..... *Eptesicus hottentotus*
	b	Smaller, forearm 35 or less. 43
43	a	Cranial portion of skull elevated above rostrum. ..... *Eptesicus zuluensis* African Chiroptera name ..... *Neoromicia zuluensis*
	b	Cranial portion of skull not elevated above rostrum. ..... *Eptesicus capensis* African Chiroptera name ..... *Neoromicia capensis*

44 a Large, forearm over 85. ..... *Scotophius gigas*
African Chiroptera name ..... Scotophilus nigrita
b Smaller, forearm not over 65. 45
45 a Total length skull 19.6 - 23; underparts usually yellow; length forearm 50 - 65. ..... *Scotophilus nigrita dingani*
(This should be *Scotophilus dinganii*. See Robbins (1978))
African Chiroptera name ..... Scotophilus dinganii
b Total length skull 16 - 19.1; underparts usually beige; length forearm 43 - 50. ..... Scotophilus leucogaster
46 a Size large, forearm 34 - 39; skull 15 or more; colour above reddish chestnut, below either whitish of buffy, never brown. ..... *Kerivoula argentata argentata*
African Chiroptera name ..... Kerivoula argentata
b Size smaller, forearm 27 - 36; skull 13.5 or less; colour brownish or greyish brown above and below. ..... *Kerivoula harrisoni lucia*
African Chiroptera name ..... Kerivoula lanosa
47 a Upper incisors trifid. 48
b Upper incisors bifid. 49
48 a Forearm 36 - 45, ear 18 - 25. ..... *Nycteris hispida villosa*
African Chiroptera name ..... Nycteris hispida
b Forearm 57 - 66, ear 28 - 35. ..... Nycteris grandis
49 a Tragus semilunate, base of its posterior margin not notched. 50
b Tragus pyriform, base of its posterior margin shallowly notched. ..... *Nycteris thebaica capensis*
African Chiroptera name ..... Nycteris thebaica
50 a Forearm 37 - 42, ear 29 - 34. ..... *Nycteris woodi sabiensis*
African Chiroptera name ..... Nycteris woodi
b Forearm 45 - 50, ear 28 - 34. ..... *Nycteris macrotis oriana*
African Chiroptera name ..... Nycteris macrotis
51 a Face and/or lateral margins of sella liberally furnished with long hairs; connecting process low, rounded; greatest breadth of horseshoe over 9. 52
b Sella naked; connecting process rounded or pointed; greatest breadth of horseshoe generally under 9. 53
52 a Forearm 62 - 67. ..... *Rhinolophus hildebrandti*
African Chiroptera name ..... Rhinolophus hildebrandtii
b Forearm 50 - 60. ..... Rhinolophus fumigatus
53 a Anterior upper premolar, when present, external to toothrow; canines and P^4 in contact, connecting process bluntly pointed. 54
b Anterior upper premolar in the toothrow; canine and P^4 in contact; connecting process blunt or sharply pointed. 55
54 a Forearm 45 - 50. ..... *Rhinolophus darlingi darlingi*
African Chiroptera name ..... Rhinolophus darlingi
b Forearm 53 - 60. ..... *Rhinolophus clivosus zuluensis*
African Chiroptera name ..... Rhinolophus clivosus
55 a 1st phalanx of 4th finger notably shortened in relation to the metacarpal length. ..... *Rhinolophus landeri lobatus*
African Chiroptera name ..... Rhinolophus lobatus
b 1st phalanx of 4th finger not notably shortened in relation to metacarpal length. ... 56
56 a Connecting process rises to high and narrow horn. ..... *Rhinolophus blasi empusa*
African Chiroptera name ..... Rhinolophus blasii
b Connecting process with low, bluntly pointed tip. 57
57 a Sella broader; ears longer. ..... Rhinolophus simulator
b Sella narrower; ears shorter. 58
58 a Front edge of connecting process almost concave. lancet with sides almost convex; fur whitish at base. ..... *Rhinolophus denti denti*
African Chiroptera name ..... Rhinolophus denti
b Front edge of connecting process convex; lancet with sides concave, tip pointed ; fur nearly unicolor. ..... Rhinolophus swinnyi
59 a Posterior leaflet on noseleaf simple in outline, elliptical or rounded, not tridentate; ears either separate or united by a low band; rostrum at least half as long as the braincase; small upper premolar present; forearm 34 - 115 (Genus *Hipposideros*). 61

b Posterior leaflet of noseleaf tridentate; ears separate; small upper premolar present or absent; rostrum sometimes less than half as long as braincase; forearm 31 - 54.. 60

60 a Size very small, forearm 31 - 35; ears very low, rounded, rim-like, length 8; noseleaf small and inconspicuous; thumbs minute; rostrum less than half length of braincase. .....*Cloeotis percivali australis*
African Chiroptera name ..... *Cloeotis percivali*

b Size larger, forearm 50 - 54; ears short, 10 - 14, pointed; noseleaf conspicuous; thumbs normal; rostrum more than half the length of the braincase; upper incisors bifid. .....*Triaenops persicus afer*

61 a Size large, forearm 79 - 115. .....*Hipposideros commersoni marungensis*
African Chiroptera name ..... *Macronycteris commersoni*

b Size smaller, forearm less than 48. ..... *Hipposideros caffer caffer*
African Chiroptera name ..... *Hipposideros caffer*

Appendix 5ab: El-Rayad (1980). Systematics of African molossid bats of the subgenus Xiphonycteris of the genus Tadarida (Molossidae Chiroptera).

1	a	Third commissure of M^3 absent..... 2
	b	Third commissure of M^3 present but reduced. 5
2	a	Palate with conspicuous median emargination separating the upper inner incisors by a space. 3
	b	Palate closed, without conspicuous median emargination, upper incisors in contact. 4
3	a	Upper incisors converge apically, on the same horizontal plane as canines. *Tadarida spurrelli*
	b	Upper incisors do not converge apically and are on the anteriormost projection of the premaxilla. ..... *Tadarida nanula*
4	a	Forearm less than 50 mm., scent gland at the base of penis. .*Tadarida demonstrator*
	b	Forearm more than 60 mm., without scent gland at the base of penis.*Tadarida midas*
5	a	Palate with median emargination. 6
	b	Palate closed. 8
6	a	Forearm less than 35 mm., basisphenoid pits oval, skull length about 15.8 - 17.5 mm. ..... *Tadarida petersoni*
	b	Forearm more· than 35 mm. 7
7	a	Dorsal hair extends onto the endopatagium; lambdoidal crest interrupted, not continuous; basisphenoid pits long oval and tapering anteriorly.*Tadarida brachyptera*
	b	Dorsal hair does not extend onto the endopatagium, posterior dorsolateral surfaces nude; lambdoidal crest continuous; basisphenoid pits deep and round, not tapering anteriorly. ..... *Tadarida thersites*
8	a	Forearm less than 50 mm. 9
	b	Forearm more than 50 mm..... 10
9	a	Forearm about 44 - 47 mm; large lambdoidal crest projecting posteriorly; anterior upper premolar sometimes absent or minute and external to toothrow..... *Tadarida condylura*
	b	Sagittal crest low; anterior upper premolar in line with toothrow; crown darker than back and shoulders. .....*Tadarida niveiventer*
10	a	Forearm about 50.4 - .54.1 mm., skull length about 23.7 - 24.4 mm.; third commissure of M^3 reduced but pronounced. ..... *Tadarida trevori*
	b	Forearm about 54.2 - 59.6 mm., skull length about 24. 7 - 26. 6 mm.; third cornmissure of M^3 reduced but minute. .....*Tadarida congica*

Appendix 5ac: El-Rayah (1981). A New species of bat of the genus Tadarida (Family Molossidae) from West Africa.

1 a Forearm less than 32 mm; M^3 without 3rd commissure..... 2
b Forearm more than 32 mm; M^3 with short but distinct third commissure..... 3
2 a Canines with enlarged cingula; upper incisors not projecting in front of anterior face of canine cingula; skull greatest length 14.0 - 16.8..... *Tadarida spurrelli*
African Chiroptera name .....*Mops (Xiphonycteris) spurrelli*
b Canines without enlarged cingula; upper incisors projecting in front of anterior face of canine cingula; skull greatest length 15.0 – 17.5 ..... *Tadarida nanula*
African Chiroptera name .....*Mops (Xiphonycteris) nanulus*
3 a Forearm less than 35 mm; skull length 15.8 - 17.5..... *Tadarida petersoni*
African Chiroptera name ..... *Mops (Xiphonycteris) petersoni*
b Forearm 35 mm or more; skull length 17.2 - 20.6..... 4
4 a Wing insertion high on sides of back with dorsal pelage restricted to top of back and not extending over rump to base of tail; ventral pelage dark with darker lateral bands; basisphenoid pits deep and rounded laterally with septum between nearly parallel. ..... *Tadarida thersites*
African Chiroptera name .....*Mops (Xiphonycteris) thersites*
b Wing insertion lower on sides of body; dorsal pelage not restricted to back and extends to sides of body and over rump to base of tail; ventral pelage from white to orange buff without dark lateral bands; basisphenoid pits shallow and long oval shape with septum between narrowing anteriorly..... *Tadarida brachyptera*
African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*

Appendix 5ad: Rautenbach (1982). Mammals of Transvaal.

1	a	Second digit terminating in a claw; margin of ear conch forming a complete ring: tragus always absent interfemoral membrane greatly reduced, little more than a narrow band along inside margin of hind legs: tail absent or rudimentary: cheek teeth simple, without well-developed cusp pattern (Megachiroptera). 2
	b	Second digit without a claw; margin of ear conch not forming a complete ring; tragus generally present; absent in Rhinolophidae and Hipposideridae): interfemoral membrane generally well-developed: tail generally well-developed (absent in one family.); cheek teeth cuspidate, generally with a clearly defined W-pattern (Microchiroptera). 5
2	a	Ears with white basal tufts (Genus *Epomophorus*). 4
	b	Ears without white basal tufts. 3
3	a	Forearm 110 - 130. ..... *Eidolon helvum*
	b	Forearm 65 - 102. ..... *Rousettus aegyptiacus*
4	a	One post-dental palatal ridge. ..... *Epomophorus wahlbergi*
	b	Two post-dental palatal ridges. ..... *Epomophorus crypturus*
5	a	With a distinct tail extending past the interfemoral membrane. 6
	b	Tail almost entirely enclosed within the interfemoral membrane. 7
6	a	Free terminal portion of tail emerges above middle of upper surface of interfemoral membrane (Family Emballonuridae, Genus *Taphozous*). 10
	b	Free terminal portion of tail enclosed in but projecting considerably beyond hind margin of interfemoral membrane (Family Molossidae). 33
7	a	Muzzle without nose-leaves (Family Vespertilionidae). 18
	b	Muzzle with nose-leaves. 8
8	a	Muzzle with deep central longitudinal slit lined with fleshly dermal outgrowths (Family Nycteridae, Genus *Nycteris*). ..... *Nycteris thebaica capensis* African Chiroptera name ..... *Nycteris thebaica*
	b	Face without a deep central slit, but with well-developed nose-leaves covering muzzle. 9
9	a	Posterior nose-leaves subtriangular, with erect pointed tip: toes with three phalanges (Family Rhinolophidae, Genus *Rhinolophus*). 11
	b	Posterior nose-leaves with upper edge either elliptical in outline or tridentate: toes with two phalanges (Family Hipposideridae). 17
10	a	Fur above grizzled, the tips of the hair whitish, underside pure white: length of skull over 21.5 mm; forearm 58 – 64. ..... *Taphozous (Taphozous) mauritianus* African Chiroptera name ..... *Taphozous mauritianus*
	b	Fur above unicolour; length of skull less than 21.5 mm; forearm 60 – 67. .*Taphozous (Taphozous) perforatus* African Chiroptera name ..... *Taphozous perforatus perforatus*
11	a	Face and/or lateral margins of sella liberally furnished with long hairs; connecting process low, rounded; greatest breadth of horseshoe generally over 9 mm. 12
	b	Sella naked; connecting process rounded or pointed; greatest breadth of horseshoe generally under 9 mm. 13
12	a	Forearm 62 - 67; skull length 26 - 30 mm. ..... *Rhinolophus hildebrandtii*
	b	Forearm 50 - 60; skull length 24 - 25 mm. ..... *Rhinolophus fumigatus*
13	a	Anterior upper premolar, when present, external to toothrow; canine and P^4 in contact; connecting process bluntly pointed. 14
	b	Anterior upper premolar in toothrow; canine and P^4 not in contact; connecting process blunt or sharply pointed. 15
14	a	Forearm 50 – 57. ..... *Rhinolophus clivosus*
	b	Forearm 45 – 50. ..... *Rhinolophus darlingi*
15	a	First phalanx of fourth finger notably shortened in relation to metacarpal length. ..... *Rhinolophus landeri*
	b	First phalanx of fourth finger not notably shortened in relation to metacarpal length. 16
16	a	Sella cuneate or wedge-shaped; no marked contrast between crown areas of anterior and posterior lower premolars; forearm 44 - 48. ..... *Rhinolophus blasii*
	b	Sella parallel-sided: strong contrast between crown areas of anterior and posterior lower premolars. ..... *Rhinolophus simulator*
17	a	Larger; rostrum at least half as long as braincase; forearm over 42. *Hipposideros caffer*

b Smaller, rostrum less than half the length of braincase: forearm 31 – 35. ..... *Cloeotis percivali*

18 a Second phalanx of third digit about three times as long as first; braincase high and rounded (Subfamily Miniopterinae, Genus *Miniopterus*). 32

b Second phalanx of third digit not especially elongated. 19

19 a Ears not funnel-shaped, without deep emargination below tip; tragus short and broad, or long and narrow, but not sharply pointed; braincase not particularly high and rounded (Subfamily Verspertilioninae). 20

b Ears funnel-shaped, with deep emargination below tip; tragus long, narrow, sharply pointed; braincase high and rounded (Subfamily Kerivoulinae, Genus *Kerivoula*). 31

20 a Six upper, six lower cheek teeth on each side (Genus *Myotis*). 25

b Less than six upper and six lower cheek teeth. 21

21 a Two upper incisors on each side. 22

b One upper incisor on each side. 24

22 a Wings with a conspicuous dark reticulate pattern on a pale background (Genus *Glauconycteris*). .....*Chalinolobus variegata variegata*
African Chiroptera name .....*Glauconycteris variegata*

b Wings unicolour. 23

23 a Upper jaw with two premolars on each side (Genus *Pipistrellus*). 27

b Upper jaw with one premolar on each side (Genus *Eptesicus*). 29

24 a Skull with a distinct posteriorly-projecting helmet; ear tragus long, tapering (Genus *Scotophilus*). 30

b Skull normal; ear tragus half-moon shaped. .....*Nycticeius (Scoteinus) schlieffenii*
African Chiroptera name .....*Nycticeinops schlieffenii*

25 a Wing and interfemoral membranes and forearm conspicuously part-coloured (black and red). .....*Myotis (Chrysopteron) welwitschii*
African Chiroptera name .....*Myotis welwitschii*

b Wing and interfemoral membranes not parti-coloured. 26

26 a Size larger, forearm 47 - 52 mm. .....*Myotis (Selysius) tricolor*
African Chiroptera name .....*Myotis tricolor*

b Size smaller, forearm 36 - 40 mm; colour typically orange-rufous on back. ..... *Myotis bocagii*

27 a Second upper incisor very reduced. .....*Pipistrellus (Pipistrellus) kuhli*
(This should be *Pipistrellus hesperidus*. See Kock (2001))
African Chiroptera name .....*Pipistrellus hesperidus*

b Second upper incisor not very reduced, only slightly smaller than first. 28

28 a Braincase flatter, cranium nearly level with muzzle. .*Pipistrellus (Pipistrellus) rusticus*
African Chiroptera name .....*Pipistrellus rusticus*

b Braincase clearly raised above level of muzzle. .....*Pipistrellus (Pipistrellus) nanus*
African Chiroptera name .....*Neoromicia nana*

29 a Cranial portion of skull elevated above rostrum. .....*Eptesicus zuluensis*
African Chiroptera name .....*Neoromicia zuluensis*

b Cranial portion of skull not elevated above rostrum. ..... *Eptesicus capensis capensis*
African Chiroptera name .....*Neoromicia capensis*

30 a Length skull 19.6 - 23; length forearm 50 – 65; underparts usually yellow. *Scotophilus dinganii*

b Length skull 16 - 19.1; length forearm 43 -·50; underparts usually beige.. *Scotophilus viridis*

31 a Size larger, forearm 34 – 39; skull 15 or more; colour above bright reddish-chestnut, below either whitish or buffy, never brown. .....*Kerivoula argentata zuluensis*
African Chiroptera name .....*Kerivoula argentata*

b Size smaller, forearm 27 - 36; skull 13.5 or less; colour brownish or greyish-brown above and below. .....*Kerivoula lanosa lucia*
African Chiroptera name .....*Kerivoula lanosa*

32 a Forearm 42 - 44; skull length c. 14. .....*Miniopterus fraterculus*

b Forearm c. 42 - 47; skull length c. 15. .....*Miniopterus schreibersi*
African Chiroptera name .....*Miniopterus schreibersii*

33 a Skull distinctly flattened (depth of braincase about a third of its width). ..... *Sauromys petrophilus petrophilus*

b Skull not conspicuously flattened (Genus *Tadarida*). 34

34 a M^3 reduced, cusps rarely more than a V pattern; palatal emargination small or absent; ears generally conjoined, sometimes with post-aural tuft; size small to large, forearm 27 - 66 (Subgenus *Mops*)..... 36
b M^3 not reduced, cusps forming N pattern..... 35
35 a Palatal emargination absent or rudimentary; ears conjoined, often with post-aural tuft, which is sometimes well-developed; size medium, forearm 37 – 42. ..... *Tadarida (Chaerephon) pumila*
African Chiroptera name .....*Chaerephon pumilus*
b Palatal emargination well-developed; ears generally separate; size medium to large, forearm 45 - 66 (Subgenus *Tadarida*)..... 37
36 a Size larger, forearm 58 – 66; skull length 26 - 28. ..... *Tadarida (Mops) midas*
African Chiroptera name .....*Mops (Mops) midas*
b Size smaller, forearm 44 – 50. ..... *Tadarida (Mops) condylura*
African Chiroptera name .....*Mops (Mops) condylurus*
37 a Size larger, forearm 63 – 66..... *Tadarida (Tadarida) ventralis*
African Chiroptera name .....*Tadarida ventralis*
b Size smaller, forearm 44 – 53. *Tadarida (Tadarida) aegyptiaca aegyptiaca / Tadarida (Tadarida) aegyptiaca bocagei*
African Chiroptera name .....*Tadarida aegyptiaca*

Appendix 5ae: Smithers, R.H.N. (1983). The mammals of the Southern African subregion

1	a	Second digit on forearm terminating in a claw (Fig. V.1), margin of ear forming a complete ring; ear tragus absent; interfemoral membrane greatly reduced, little more than a narrow band along inside margin of hind legs; tail absent or rudimentary (Fig. 45.1): cheek teeth simple, without well-developed cusp pattern (Fig. V.2) (Suborder Megachiroptera) 2
	b	Second digit without a claw; margin of ear not forming a complete ring; ear tragus generally present (absent in family Rhinolophidae); interfemoral membrane and tail generally well-developed; cheek teeth cuspidate with generally well developed W pattern (suborder Microchiroptera)..... 9
2	a	Ears with white basal tufts..... 3
	b	Ears without white basal tufts..... 4
3	a	Six ridges on the palete, not more than two behind the last tooth; these not differentiated from the ridges between the teeth (Fig. 40.1); the back of the palate, behind the teeth, strongly concave at the back (genus *Epomophorus*)..... 5
	b	Five, or 9 to 11 ridgeson the palate, at least five behind the last tooth, these differentiated from the ridges between the teeth; the back of the palate, behind the teeth, flattened at the back..... *Epomops dobsoni* African Chiroptera name ..... *Epomophorus dobsonii*
4	a	Size larger, length of forearm over 100..... *Eidolon helvum*
	b	Size smaller, length of forearm under 100 (genus *Rousettus*)..... 8
5	a	One palatal ridge behind the last tooth (Fig. 40.1.a); length of forearm 77 - 89 (males), 72 - 86 (females) ..... *Epomophorus wahlbergi*
	b	Two palatal ridges behind the last tooth (Fig. 40.1.b) 6
6	a	Fourth palatal ridge midway between third and fifth (fig. 40.1.b) 7
	b	Fourth palatal ridge much nearer the third than fifth; length of forearm 87 - 91 in males, 82 in females (Fig. 41.1.b)..... *Epomophorus angolensis*
7	a	Length of forearm 87 - 93 (males), 81 - 86 (females) ..... *Epomophorus gambianus*
	b	Forearm 81 - 85 (males), 79 - 80 (females) ..... *Epomophorus crypturus*
8	a	Wing membranes arise from the first toe; hair short and sleek; cheek teeth heavy; length forearm generally above 89 and up to 96; adult males without collar of bristly hairs on the throat ..... *Rousettus aegyptiacus*
	b	Wing membranes arise from the second toe; hair longer and coarser; cheek teeth reduced in bulk; length of forearm less than 90; adult males with a disctinct collar of bristly hairs on the throat..... *Rousettus angolensis* African Chiroptera name ..... *Myonycteris angolensis*
9	a	With a distinct tail extending free of the interfemoral membrane..... 10
	b	Tail almost entirely enclosed within the interfemoral membrane 11
10	a	Free terminal part of tail emerging upwards from near the middle of the interfemoral membrane (Fig. VI.1) (family Emballonuridae) 14
	b	Free terminal part of tail emerging from the posterior part of the interfemoral membrane and extending well beyond it (Fig. VII.2) (family Molossidae) 60
11	a	No noseleaves (Fig. VIII.1) (family Vespertilionidae) 33
	b	Face with noseleaves..... 12
12	a	Face with a deep central slit (Fig. IX.1) (family Nycteridae)..... 16
	b	Face without a deep central slit..... 13
13	a	Posterior noseleaf subtriangular with an erect point (Fig. X.1) (family Rhinolophidae) 21
	b	Posterior noseleaf elliptical (Fig. XI.1) (family Hipposideridae)..... 30
14	a	Smaller, forearm less than 55; two upper and six lower incisor teeth..... *Coleura afra*
	b	Larger, forearm over 57, two upper incisors which may be minute or absent, four lower incisor teeth (genus *Taphozous*)..... 15
15	a	Fur on upper parts grizzled greyish, the tips of the hair whitish, under parts pure white; total length of the skull over 21.5 mm; forearm 60 - 64 mm.... *Taphozous mauritianus*
	b	Fur on upper parts unicolour dark brown, the under parts not pure white; total length of the skull less than 21.5 mm; forearm 62 - 67 mm..... *Taphozous perforatus* African Chiroptera name ..... *Taphozous perforatus perforatus*
16	a	Upper incisor teeth trifid (Fig. 94.1)..... 17

	b	Upper incisor teeth bifid 18
17	a	Forearm 36 - 45, ear 18 - 25 ..... *Nycteris hispida*
	b	Forearm 57 - 66, ear 28 - 35 ..... *Nycteris grandis*
18	a	Ear tragus semi-lunate, base of its posterior margin not notched (*aethiopica* group) 19
	b	Ear tragus pyriform, base of its posterior margin shallowly notched (*thebaica* group) 20
19	a	General colour greyish; forearm 37 - 42, ear 29 - 34 ..... *Nycteris woodi*
	b	General colour brownish; forearm over 43; ear over 21 ..... *Nycteris macrotis*
20	a	Size smaller; forearm 42 - 52, ears 28 - 37; skull less massive; breadth of supraorbital flanges about 6.8 ..... *Nycteris thebaica*
	b	Size larger; forearm over 50; ears about 22; skull massive, rostrum 20 % heavier than in *N. thebaica*, breadth of supraorbital flanges about 9.0 ..... *Nycteris vinsoni*
21	a	Face and/or lateral margins of the sella liberally furnished with long hairs; connecting process low, rounded; greatest breadth of horseshoe generally over 9.0 (Fig. X.2) 22
	b	Sella naked; connecting process rounded or pointed; greatest breadth of horseshoe under 9.0 23
22	a	Forearm 62 - 67 ..... *Rhinolophus hildebrandti* African Chiroptera name ..... *Rhinolophus hildebrandtii*
	b	Forearm 50 - 60 ..... *Rhinolophus fumigatus*
23	a	Anterior upper premolar, when present, external to toothrow (Fig. X.5); canines and fourth upper premolar in contact; connecting process bluntly pointed 24
	b	Anterior upper premolar in toothrow (Fig. X.5); canine and fourth upper premolar not in contact; connecting process blunt or sharply pointed 25
24	a	Forearm 50 - 57 ..... *Rhinolophus clivosus*
	b	Forearm 45 - 50 ..... *Rhinolophus darlingi*
25	a	First phalanx of fourth finger notably shortened in relation to metacarpal length: forearm 40 - 48 ..... *Rhinolophus landeri*
	b	First phalanx of fourth finger not notably shortened in relation to metacarpal length 26
26	a	Connecting process rises to high and narrow horn ..... *Rhinolophus blasii*
	b	Connecting process with low, bluntly pointed tip 27
27	a	Larger, forearm 47 - 51; skull 20.0 or more ..... *Rhinolophus capensis*
	b	Smaller, forearm 40 - 46; skull 18.7 or less 28
28	a	Sella broader; ears longer (20 - 22) ..... *Rhinolophus simulator*
	b	Sella narrower; ears shorter (18 - 20) 29
29	a	Front edge of connecting process almost concave; lancet with sides almost convex; fur lights at base ..... *Rhinolophus denti*
	b	Front edge of connecting process convex; lancet with sides concave, tip pointed; fur nearly unicoloured ..... *Rhinolophus swinnyi*
30	a	Posterior leaflet on noseleaf simple in outline, elliptical or rounded, not tridentate; ears either separate or united by low band; rostrum at least half as long as the braincase; small upper premolar present; forearm 40 - 110 (genus *Hipposideros*) 32
	b	Posterior leaflet of noseleaf tridentate; ears separate; small upper molar present or absent; rostrum sometimes less than half as long as braincase; forearm 30 - 40.. 31
31	a	Size very small, forearm 31 - 35; ears very low, rounded, rim-like, length 8; noseleaf small and inconspicuous; thumbs minute; rostrum less than half length of braincase ..... *Cloeotis percivali*
	b	Size larger, forearm 50 - 54; ears short, 10 - 14, but pointed; noseleaf conspicuous; thumbs normal; rostrum more than half the length of the braincase; upper incisors bifid (genus *Triaenops*) ..... *Triaenops persicus*
32	a	Size larger; forearm 90 - 110; ears narrow and pointed ..... *Hipposideros commersoni* African Chiroptera name ..... *Macronycteris commersoni*
	b	Size smaller; forearm 40 - 50; ears broader ..... *Hipposideros caffer*
33	a	Second phalanx of third digit not especially elongated 34
	b	Second phalanx of third digit about three times as long as first; braincase high and rounded (subfamily MINIOPTERINAE; genus *Miniopterus*) 58
34	a	Ears not funnel-shaped, without deep emargination below tip; ear tragus short and broad, or long and narrow, but not sharply pointed; braincase not particularly high and rounded (subfamily VESPERTILIONINAE) 35

b Ears funnel-shaped, with deep emargination below tip; ear tragus long, narrow, sharply pointed; braincase high and rounded (subfamily KERIVOULINAE; genus *Kerivoula*) 57

35 a Six upper, six lower cheek teeth on either side (genus *Myotis*) 42

b Less than six upper and six lower cheek teeth 36

36 a Five upper, five lower cheekteeth; ears nor lengthened; two upper incisors on each side; wing with fifth finger not shortened; ears not joined at base (genus *Pipistrellus*) 47

b Four upper, five lower cheek teeth; ears only exceptionally notably lengthened ... 37

37 a Two upper incisors on each side 38

b One upper incisor on each side 40

38 a Rostrum very short and broad; braincase very high more than two-thirds of condylobasal length; lower lip with lobe at posterior angle; frequently with body pattern of spots and/or stripes, or conspicuous reticulation of wing membranes *Chalinolobus variegatus*
African Chiroptera name ..... *Glauconycteris variegata*

b Rostrum not shortened; braincase not elevated; no body or wing pattern 39

39 a Ear 18 or more, about half length of forearm (genus *Laephotis*) 46

b Ears less than 18, much less than half length of forearm (genus *Eptesicus*) 50

40 a Size larger, forearm not less than 46 mm; first and second upper molars with W-pattern obsolescent; tragus long and tapering (genus *Scotophilus*) 55

b Size smaller, forearm less than 46 mm; first and second upper molars with normal W-pattern; tragus either sickle-shaped or short and broad 41

41 a Skull with rostrum not broadened; palatal emargination narrow; anterior lower premolar about half the crown area of the next premolar; upper canines with rounded anterior surface; tragus halfmoon-shaped; penis not enlarged; forearm 29 - 33 mm ..... *Nycticeius schlieffenii*
African Chiroptera name ..... *Nycticeinops schlieffenii*

b Skull with rostrum notably broadened, particularly across lachrymals; palatal emargination broader; upper cheek teeth four or five; lower premolars equal in crown area; upper canines with broad flat anterior face; tragus short and broad; penis greatly lengthened, nearly a quarter of the length of the head and body; forearm 28 - 38 mm ..... *Scotoecus albofuscus*

42 a Size larger, forearm over 52 mm ..... *Myotis welwitschii*

b Size smaller, forearm 52 or less 43

43 a Wings with glands; first two upper premolars greatly reduced and closely crowded together laterally 44

b Wings without glands; first two upper premolars not greatly reduced, not crowded together laterally (Fig. 72.1) 45

44 a Size smaller, forearm 32.5 - 2.9 ..... *Myotis seabrai*
African Chiroptera name ..... *Cistugo seabrae*

b Size larger, forearm 34.5 ..... *Myotis lesueuri*
African Chiroptera name ..... *Cistugo lesueuri*

45 a Size larger, forearm 47 - 52 ..... *Myotis tricolor*

b Size smaller, forearm less than 47 ..... *Myotis bocagei*
African Chiroptera name ..... *Myotis bocagii*

46 a Larger, total length of the skull over 16 mm; upper parts light drab; length of ears 25 mm; ear tragus with a notch near the base of the outside edge (Fig. 78.1.d) *Laephotis namibensis*

b Smaller, total length of the skull under 15 mm; upper parts buffy-brown; length ears 21 mm; ear tragus without a notch near the base of the outside edge (Fig. 78.1.b) ..... *Laephotis botswanae*

47 a Inner upper incisor teeth unicuspid or not very deeply bicuspid (Fig 75.2); the under parts brown or grey (subgenus *Pipistrellus*) 48

b Inner upper incisors deeply bifid; the under parts pure white .*Pipistrellus (Scotozous) rueppelli*
African Chiroptera name ..... *Pipistrellus rueppellii*

48 a Second upper incisor teeth much reduced ..... *Pipistrellus (Pipistrellus) kuhlii*
(This should be *Pipistrellus hesperidus*. See Kock (2001))
African Chiroptera name ..... *Pipistrellus hesperidus*

b Second upper incisor teeth only slightly smaller than first 49

49 a Braincase flatter, cranium nearly level with the muzzle*Pipistrellus (Pipistrellus) rusticus*
African Chiroptera name ..... *Pipistrellus rusticus*

b Braincase clearly raised above the level of the muzzle*Pipistrellus (Pipistrellus) nanus*
African Chiroptera name ..... *Neoromicia nana*

50 a Wing membranes white or translucent..... *Eptesicus rendalli*
African Chiroptera name ..... *Neoromicia rendalli*

b Wing membranes dark 51

51 a Size larger, forearm over 40; inner upper incisor teeth unicuspid*Eptesicus hottentotus*

b Size smaller, forearm under 40; inner upper incisor teeth bicuspid..... 52

52 a Forearm 34.5 - 38..... *Eptesicus melckorum*
African Chiroptera name ..... *Neoromicia capensis*

b Forearm 35 or less 53

53 a Cranial portion of skull elevated above rostrum (Fig. 84.1) .....*Eptesicus zuluensis*
African Chiroptera name ..... *Neoromicia zuluensis*

b Cranial portion of skull not elevated above rostrum (Fig. 86.1) 54

54 a Colour of the upper parts paler; wing membranes edged with white; fur on the upper parts up to 8 mm long; skull lacking the upwardly projecting "helmet" in the occipital region.....*Eptesicus somalicus*
African Chiroptera name ..... *Neoromicia somalica*

b Colour of the upper parts darker; wing membranes not edgesd with white; fur on the upper parts not over 5 mm long; skull with a "helmet" in the occipital region*Eptesicus capensis*
African Chiroptera name ..... *Neoromicia capensis*

c Size larger, forearm 29 - 35; skull with posterior occipital "helmet" .....*Eptesicus (Eptesicus) capensis*
African Chiroptera name ..... *Neoromicia capensis*

55 a Size large, forearm 75 - 80; total length skull over 30..... *Scotophilus nigrita*

b Size smaller, forearm 43 - 65 56

56 a Forearm 50 - 65; total length skull 20 - 23 ..... *Scotophilus dinganii*

b Forearm 43 - 50; skull 16 - 19 ..... *Scotophilus viridis*

57 a Size large, forearm 34 - 39; total length of skull 15 or more; colour above reddish-chestnut, under parts either whitish or white tinged buffy ..... *Kerivoula argentata*

b Size smaller, forearm 32 - 36; total length of skull 13.5 or less; colour brownish, greyish-brown or dull buffy, the under parts buffy, whitish at least on the chest and belly .....*Kerivoula lanosa*

58 a Average total length of skull 16 or more, forearm 45 - 50..... *Miniopterus inflatus*
African Chiroptera name ..... *Miniopterus inflatus inflatus*

b Average total length of skull 14 - 15, forearm 42 - 47 59

59 a Average total length of skull 14, forearm 42 - 44 .....*Miniopterus fraterculus*

b Average total length of skull 15, forearm 42 - 47 ..... *Miniopterus schreibersii*

60 a Prominent vertical projection on zygoma; ears very large, 38 - 40, conjoined on extended snout; size very large, forearm 62 - 73; conspicuous bicolored pelage pattern, with a pale collar separating dark anterior and posterior regions of body ..... *Otomops martiensseni*

b Not as above 61

61 a Skull conspicuously flattened, greatest depth of braincase not more than one-third of greatest width ..... *Sauromys petrophilus*

b Skull not conspicuously flattened (genus *Tadarida*) 62

62 a Only 4 upper post-canine cheek teeth; M^3 not reduced; upper incisors widely separated by large palatal emargination; six lower incisor teeth; ears separate; size small, forearm about 38 (subgenus *Mormopterus*) ..... *Tadarida (Mormopterus) acetabulosus*
African Chiroptera name .....*Mormopterus acetabulosus*

b 5 upper post-canine cheek teeth (the small premolar very reduced, sometimes absent in *T.(Mops) condylura*, but in that case with M^3 reduced, ears conjoined, palatal emargination rudimentary or absent, size large, forearm 43 - 49); normally four lower incisor teeth, rarely six; ears conjoined or separate; foreram 27 - 66 mm..... 63

63 a M^3 reduced, cusps rarely more than a V pattern; palatal emargination small or absent; ears generally conjoined, sometimes with a post-aural tuft; size small to large, forearm 27 - 66 (subgenus *Mops*) 65
b M^3 not reduced, cusps forming an N pattern 64
64 a Palatal emargination absent or rudimentary; ears conjoined, often with post-aural tuft, which is sometimes well developed; size medium, forearm 35 - 52 (subgenus *Chaerephon*) 66
b Palatal emargination well-developed; ears generally separate; size medium to large, forearm 45 - 66 (subgenus *Tadarida*) 69
65 a Size large, forearm 58 - 66; skull length 26 - 28 ..... *Tadarida (Mops) midas*
African Chiroptera name ..... *Mops (Mops) midas*
b Size smaller, forearm 44 - 50 ..... *Tadarida (Mops) condylura*
African Chiroptera name ..... *Mops (Mops) condylurus*
66 a Size larger, forearm 42 - 52 67
b Size smaller, forearm 34 - 42 68
67 a Conspicuous lateral band of white hair on the wing membrane near the body; wing membranes pale; forearm 44 - 50; upper parts not flecked with white ..... *Tadarida (Chaerephon) nigeriae*
African Chiroptera name ..... *Chaerephon nigeriae nigeriae*
b No white lateral bands; wing membranes dark; forearm 46 - 51; upper parts flecked with white ..... *Tadarida (Chaerephon) bivittata*
African Chiroptera name ..... *Chaerephon bivittatus*
68 a Males with long (12 mm) bicoloured post-aural crests (dark basally, light apically); forearm 34 - 39; colour of upper parts pale, under parts whitish *Tadarida (Chaerephon) chapini*
African Chiroptera name ..... *Chaerephon chapini*
b Males with short (10 m or less) unicoloured post-aural crest; upper parts not pale, under parts variable in colour with or without white on the median area; forearm 37 - 42 ..... *Tadarida (Chaerephon) pumila*
African Chiroptera name ..... *Chaerephon pumilus*
69 a Size large, forearm 57 - 66 70
b Size medium, forearm 45 - 53 72
70 a Ears very large, conjoined at base near the nostrils and projecting well beyond muzzle when laid forward; under parts white or buffy with narrow brown brown flank strips; skull, particularly rostrum, very narrow; lower canines almost touching a their bases; forearm 63 ..... *Tadarida (Tadarida) lobata*
African Chiroptera name ..... *Tadarida lobata*
b Ears smaller, not conjoined at inner margin, situated well back from the nostrils and barely projecting beyond muzzle when laid forward; under parts without or with restricted white area; skull not narrowed in rostral region; forearm 57 - 66 71
71 a Skull very broad and heavy, particularly in rostral region, total length 23.5 - 25.7; lower canines almost touching at their bases; under parts mostly brownish, sometimes with median white area; forearm 63 - 66 ..... *Tadarida (Tadarida) ventralis*
African Chiroptera name ..... *Tadarida ventralis*
b Skull much less broad in rostral region, total length of skull 22 - 22.9; lower canines almost touching at their bases; under parts with variable white band on mid-ventral line; forearm 57 - 62 ..... *Tadarida (Tadarida) fulminans*
African Chiroptera name ..... *Tadarida fulminans*
72 a Size larger, forearm 44 - 53; total length of skull 19 - 21; braincase flat; lower canines widely separated at their bases; no black area on chin and throat *Tadarida (Tadarida) aegyptiaca*
African Chiroptera name ..... *Tadarida aegyptiaca*
b Size smaller, forearm 47.5 or less; total length of skull 18 - 20; braincase elevated; lower canines almost touching at their bases; chin and throat generally black *Tadarida (Tadarida) ansorgei*
African Chiroptera name ..... *Chaerephon ansorgei*

Appendix 5af: Wassif et al. (1984). Fauna and Flora of Egypt. 1. On a collection of bats from Egypt.

1	a	Size large, muzzle conical, nostrils without nose-leaf. Second digit of wing with 3 phalanges, the last phalanx carries a claw. Ear simple, tubular, without a tragus. Tail very short, its proximal half attached to the lower surface of the interfemoral membrane, but not contained in it. The free part of the tail is very short. Skull with well developed post-orbital processes. Teeth highly adapted for frugivorism. Cheekteeth with cusps, ridges and grooves (Family Pteropodidae)..... *Rousettus aegyptiacus*
	b	Size: small to moderately large. Second digit of wing with 2 phalanges. Noseleaf small, ridgelike, Tail very long. Interfemoral membrane short. Ears simple and united at the base, with well developed tragus. Skull with broad nasals, their combined breadth greater than their length. Without post-orbital processes (Family Rhinopomatidae). .....*Rhinopoma microphyllum*
	c	Size moderately, large, with simple nostrils. Nose-leaf absent and eye rather large. Ears with well developed tragus. Tail perforates the interfemoral mnembrane and appears on its dorsal surface. Feet usually with a large calcar. Sagittal crest poorly developed and post-orbital processes large. Basisphenoid pits large (Family Emballonuridae). .....*Taphozous perforatus, Taphozous nudiventris*
	d	Nostrils very small, lying on each side of a deep hairless depression. Ears large, much longer than head, united at their bases by a low transverse fold above the forehead. Tragus present. Last caudal vertebra T-shaped, due to the presence of minute lateral cartilages. Frontal region of skull greatly expanded as supra-orbital ridges join post-orbital processes to form frontal shields (Family Nycteridae). Size small, ears large and eyes minute. Muzzle with a median furrow. Tail long and included in a large interfemoral membrane. Last caudal vertebra T-shaped. Forearm 45 mm (43 - 47), skull 19 mm (18.3 - 19.5) and upper tooth row 6.6 mm (6.5 - 6.7). .....*Nycteris thebaica*
	e	Nostrils surrounded by foliaceous skin appendages. Each nose-leaf consists of 3 parts: an anterior flat, horse-shoe-shaped part, a central part (sella) with more or less parallel sides and a posterior part, triangular in shape. Ears large and separate, without a tragus. Second digit of wing is represented by its metacarpal. Tail included in the interfemoral membrane. Skull without post-orbital processes (Family Rhinolophidae). 2
	f	Nose-leaf consists of 3 parts, the posterior part is rounded above, usually tridentate. Pectoral and pelvic girdles highly modified and lumbar vertebrae fuse together (Family Hipposideridae). Horizontal part of the nose-leaf horse-shoe-shaped, without a notch. Posterior part usually tridentate. Forearm 50 mm (47 - 53), skull 19.4 mm (18.8 - 20) and upper tooth row 6.9 mm (6.4 - 7.1).....*Asellia tridens.* African Chiroptera name .....*Asellia tridens*
	g	Nostrils simple, without nose-leaves, crescentic or circular. Ears moderately developed to large, separate and rarely join across the forehead. Tragus present. Tail well developed and extends to the edge of the wide interfemoral membrane (Family Vespertilionidae)..... 3
	h	Muzzle broad, obliquely truncated, projecting considerably beyond lower lip. Ears large, broad, rounded and united at the base of their inner borders. Tragus small and antitragus large. Terminal half of tail projects beyond the short and leathery interfemoral membrane. Legs short and strong. First toe and generally the fifth thicker than other toes and are furnished with long curved hairs (Family Molossidae). 4
2	a	Medium-sized species. Sella of nose-leaf with a blunt upper part in lateral view. Forearm 47 mm (44 - 50), skull 19.2 mm (19.1 - 19.4), upper tooth row 7 mm (7 - 7.1). ..... *Rhinolophus clivosus*
	b	Small-sized. Lower part of sella sharply pointed. Forearm 36 mm, skull 15 - 16 mm. .....*Rhinolophus hipposideros*
3	a	Two upper incisors and 5 cheekteeth on each side. Ears very large and joined across the forehead. Tragus long. Ear length 32 mm (31 - 32.2), tragus length 16 mm (15 - 16.5). Skull 18.3 mm (18 - 18.9). Upper tooth row 3.9 mm (3.7 - 4.0). .....*Plecotus austriacus*

b One upper incisor and 4 cheekteeth on each side. Ears large and broad, with well developed tragus. Forearm 59.7 mm (59 - 64), skull 23.4 mm (23.3 - 23.7), upper tooth row 7.5 mm (6.3 - 7.8). ..... *Otonycteris hemprichii*

c First upper premolar displaced internally. Ears small and almost triangular, widely separated. Underparts pale brown. Forearm 34 mm (33 - 36), skull 13.5 mm (13 - 13.8), upper tooth row 4.6 mm (4.1 - 4.8). ..... *Pipistrellus kuhli*
African Chiroptera name ..... *Pipistrellus kuhlii*

d First upper premolar not displaced internally. Underparts pure white. Forearm 31.5 mm (31 - 32), skull 13.5 mm (13 - 13.8), upper tooth row 4.6 mm (4.1 - 4.8), with 3 pairs of upper incisors. ..... *Pipistrellus rüppelli*
African Chiroptera name ..... *Pipistrellus rueppellii*

e Forearm 42 mm or more, skull 15.6 mm, upper tooth row 6.8 mm, with 2 pairs of upper incisors. ..... *Eptesicus innesi*
African Chiroptera name ..... *Eptesicus bottae*

4 a Size large, ears very broad and joined across the forehead. Three pairs of lower incisors. Forearm 65 mm (63 - 66.2), skull 24.8 mm (23.7 - 26), upper tooth row 9.3 mm (8.9 - 9.7). ..... *Tadarida teniotis*

b Size medium, ears moderately large. Two pairs of lower incisors. Forearm 53 mm (52 - 54.5), skull 21.3 mm (20.9 - 22.1), upper tooth row 7.9 mm (7.7 - 8.1). *Tadarida aegyptiaca*

Appendix 5ag: Qumsiyeh (1985). The bats of Egypt

1	a	Ear simple, with margin forming a complete ring; tragus and antitragus absent; second finger clawed; skull large (GLS greater than 40); molar and premolar teeth low crowned (Megachiroptera: Pteropodidae) ..... *Rousettus aegyptiacus*
	b	Ear margin not forming complete ring; tragus or antitragus present; second finger not clawed; skull size medium to small (GLS less than 40); molar and premolar teeth high crowned (Microchiroptera) 2
2	a	Muzzle with cutaneous growth forming an elaborate noseleaf structure; tragus absent but antitragus well developed; nasal branches of premaxilla absent, palatal branches fused medially and free of maxilla laterally (Rhinolophidae) 9
	b	Muzzle with no elaborate noseleaf structure; tragus present; nasal branches of premaxilla present or absent; palatal branches present or absent, if not as above.. 3
3	a	Tail protrudes from dorsal surface of uropatagium; premaxilla with nasal branches only, palatal branches absent (Emballonuridae) 8
	b	Tail either completely enclosed by, or protrudes from posterior end of uropatagium; premaxilla always with palatal branches; nasal branches present or absent 4
4	a	Uropatagium short, enclosing less than one-third of the long, thin tail; dental formula $^1/_2$ $^1/_1$ $^1/_2$ $^3/_3$ = 28; nasal region of skull inflated (Rhinopomatidae) 7
	b	Uropatagium long, enclosing more than one-half of the tail, teeth more than 28; nasal region of skull not inflated 5
5	a	Muzzle with longitudinal groove; nasal branches absent; skull with deep concavity on anterior surface between the orbits (Nycteridae) ..... *Nycteris thebaica*
	b	Muzzle simple; nasal branches present; no deep concavity on anterior surface of the skull 6
6	a	Tail scarcely or not protruding beyond posterior edge of the wide uropatagium (Vespertilionidae) 12
	b	Tail protruding conspicuously beyon posterior edge of narrow uropatagium (Molossidae) 21
7	a	Larger; FA 62 - 71, GLS 18.7 - 22.1; tail usually shorter than forearm; lacrymal region of skull relatively shallow; males show significant development of sagittal crest; posterior edge of palate forms an acute angle, never with parallel sides .. *Rhinopoma microphyllum*
	b	Smaller; FA 48.3 - 61, GLS 16.0 - 18.5; tail usually longer than forearm; lacrymal region of skull inflated; males do not show significant development of sagittal crest; posterior edge of palate forms with rounded profile, sides almost or are parallel ..... *Rhinopoma hardwickei* African Chiroptera name ..... *Rhinopoma cystops*
8	a	Fur extends to base of uropatagium both dorsally and ventrally; smaller animal, FA 59 - 64, GLS 19.8 - 21.1; skull smooth with rounded braincase .... *Taphozous perforatus* African Chiroptera name ..... *Taphozous perforatus perforatus*
	b	Fur does not extend to bats of uropatagium dorsally nor ventrally; larger, FA 67 - 82.5, GLS 24.8 - 31.8; skull rugose with distinct sagittal and lambdoidal crests . *Taphozous nudiventris*
9	a	Noseleaf with three dorsally projecting leaflets and without sella or connecting process; only two pairs of lower premolars ..... *Asellia tridens*
	b	Noseleaf with one dorsally projecting leaflet (lancet) and with a distinct sella and connecting process; three pairs of lower premolars present (Rhinolophinae) 10
10	a	Size small, FA 33.5 - 38.6, GLS 14.5 - 16.0 ..... *Rhinolophus hipposideros*
	b	Size larger, FA more than 41, GLS more than 18 11
11	a	Dorsal connecting process of sella blunt; PM^2 displaced labially from toothrow or absent ..... *Rhinolophus clivosus*
	b	Dorsal connecting process of sella long and pointed; PM^2 in toothrow and clearly separating canine and PM^4 ..... *Rhinolophus mehelyi (and R. euryale)* African Chiroptera name ..... *Rhinolophus mehelyi*
12	a	Large, FA greater than 55, GLS greater than 21; ear long measuring 34 - 42 in Egyptian specimens; one pair of upper incisors ..... *Otonycteris hemprichi* African Chiroptera name ..... *Otonycteris hemprichii*
	b	Small to medium sized, FA less than 50, GLS less than 20; ear short or long; one or two pairs of upper incisors 13

13	a	Mandible with three premolars and three molars; ears and tragus elongated *Plecotus austriacus*
	b	Five or less lower postcanine teeth; ears and tragus not elongated 14
14	a	One pair of upper incisors ..... *Nycticeius schlieffenii* African Chiroptera name ..... *Nycticeinops schlieffenii*
	b	Two pairs of upper incisors 15
15	a	Four upper postcanine teeth ..... *Eptesicus bottae*
	b	Five upper postcanine teeth (but PM^2 is absent on some specimens of *Pipistrellus kuhlii* on one side). 16
16	a	Ear connected; skull with a narrow and concave rostrum..... *Barbastella barbestellus* African Chiroptera name ..... *Barbastella barbastellus*
	b	Ears separate; skull with a wider and convex rostrum (*Pipistrellus*) 17
17	a	Outer upper incisor much less than half length of inner..... 18
	b	Outer upper incisor more than half length of inner..... 19
18	a	C-M^3 greater than 4.5; GLS greater than 12.0; skull relatively rugose with distinct lambdoidal ridges ..... *Pipistrellus kuhlii*
	b	C-M^3 less than 4.5; GLS less than 12.0; skull slender, with braincase rounded; rostrum slightly shortened and hence forehead is more elevated than in P. kuhlii. ..... *Pipistrellus aegyptius* African Chiroptera name ..... *Pipistrellus kuhlii*
19	a	Inner upper incisor unicuspid; PM^2 small and possibly not functional; rostrum flattened ..... *Pipistrellus ariel* African Chiroptera name ..... *Hypsugo ariel*
	b	Inner upper incisor bifid or bicuspide; PM^2 clearly distinguished and functional; rostrum concave..... 20
20	a	Inner upper incisor deeply cleft; ventral fur whitish ..... *Pipistrellus rueppellii*
	b	Inner upper incisor bifid but not deeply cleft; ventral fur not whitish ..... *Pipistrellus bodenheimeri*
21	a	Larger, FA greater than 54, GLS greater than 23; mandible with three pairs of lower incisors; skull elongate ..... *Tadarida teniotis*
	b	Smaller, FA less than 54, GLS less than 22; mandible with two pairs of lower incisors; skull more rounded..... *Tadarida aegyptiaca*

Appendix 5ah: Aulagnier and Thevenot (1986). Catalogue des mammifères sauvages du Maroc

1	a	Portion de queue libre depassant largement la membrane interfemorale 2
	b	Queue incluse dans la membrane interfemorale (excepte parfois 1 ou 2 vertebres) 4
2	a	Feuille nasale triangulaire; Portion de queue libre tres longue (Famille Rhinopomatidae) 3
	b	Pas de feuille nasale; Portion de queue libre reduite (Famille Molossidae) .. *Tadarida teniotis*
3	a	AB: 58 - 75 mm; Queue plus courte que l'Avant-Bras .....*Rhinopoma microphyllum*
	b	AB: 46 - 53 mm; Queue plus longue que l'Avant-Bras.....*Rhinopoma hardwickei* African Chiroptera name .....*Rhinopoma cystops*
4	a	Absence de feuille nasale; Tragus present (Famille Vespertilionidae) 10
	b	Feuille nasale complexe; Tragus absent (Famille Rhinolophidae) 5
	c	Sillon median sur le museau; Tragus present (Famille Nycteridae) .*Nycteris thebaica*
5	a	Partie posterieure de la feuille nasale en languette triangulaire aigue; Doigts à trois phalanges 6
	b	Partie posterieure de la feuille nasale arrondie ou à trois pointes; Doigts à deux phalanges 9
6	a	AB > 54 mm.....*Rhinolophus ferrumequinum*
	b	AB < 40 mm.....*Rhinolophus hipposideros*
	c	40 < AB < 54 mm 7
7	a	2ème phalange Doigt IV plus de deux fois plus longue que la première phalange.. 8
	b	2ème phalange Doigt IV moins de deux fois plus longue que la première phalange .....*Rhinolophus blasii*
8	a	see graph .....*Rhinolophus euryale*
	b	see graph .....*Rhinolophus mehelyi*
9	a	Partie posterieure de la feuille nasale arrondie.....*Hipposideros caffer*
	b	Partie posterieure de la feuille nasale à trois pointes .....*Asellia tridens*
10	a	2ème phalange du dpigt III moins de 2 fois plus longue que la première..... 11
	b	2ème phalange du doigt III 3 fois plus longue que la première*Miniopterus schreibersi* African Chiroptera name .....*Miniopterus schreibersii*
11	a	Oreilles separees l''une de l'autre à leur base sur la tête..... 12
	b	Oreilles réunies l'une a l'autre par leur base sur la tête 14
12	a	2 paires d'incisives supérieures 13
	b	1 paire d'incisives supérieures ..... *Otonycteris hemprichi* African Chiroptera name .....*Otonycteris hemprichii*
13	a	Tragus allongé et pointu (genus *Myotis*) 15
	b	Tragus court et arrondi (Genera *Pipistrellus, Nyctalus, Eptesicus*) 19
14	a	Oreilles tres longues; Tragus allongé.....*Plecotus austriacus*
	b	Oreilles courtes; Tragus court .....*Barbastella barbastellus*
15	a	AB < 50 mm..... 16
	b	AB > 50 mm.....*Myotis blythii*
16	a	Longueur du pied inférieure à la moitié de celle du tibia..... 17
	b	Longueur du pied supérieure à la moitié de celle du tibia; 38 < AB < 42 mm ...*Myotis capaccinii*
17	a	AB < 35 mm.....*Myotis mystacinus*
	b	AB > 35 mm..... 18
18	a	Oreille nettement echancrée; Quelques poils sur la membrane interfémorale..*Myotis emarginatus*
	b	Oreille non echancrée; Frange de poils sur la membrane interfémorale.....*Myotis nattereri*
19	a	AB < 35 mm..... 20
	b	AB > 45 mm..... 23
20	a	Incisive supérieure interne bicuspide 21
	b	Incisive supérieure interne unicuspide ..... *Pipistrellus kuhli* African Chiroptera name .....*Pipistrellus kuhlii*
21	a	1ère Premolaire supérieure visible en vue laterale; AB < 33 mm 22
	b	1ère Premolaire supérieure rudimentaire (invisible); AB > 32 mm .....*Pipistrellus savii* African Chiroptera name .....*Hypsugo savii*

22	a	Incisive supérieure externe tres petite; Pelage ventral blanc..... *Pipistrellus rueppelli* African Chiroptera name ..... *Pipistrellus rueppellii*
	b	Incisive supérieure externe de bonne taille; Pelage ventral gris *Pipistrellus pipistrellus*
23	a	Tragus aussi long que large ..... *Nyctalus lasiopterus*
	b	Tragus deux fois plus long que large ..... *Eptesicus serotinus*

Appendix 5ai: Meester et al. (1986). Classification of Southern African mammals

1	a	Second digit (in African species) ending in a claw; margin of ear conch forming a complete ring; tragus always absent; interfemoral membrane greatly reduced, little more than a narrow band along inside margin of hind legs; tail absent or rudimentary; cheekteeth simple, without well-developed cusp pattern (suborder Megachiroptera) 2
	b	Second digit without a claw; margin of ear conch not forming a complete ring; tragus generally present (absent in two families); interfemoral membrane and tail generally well-developed; cheek teeth cuspidate, molars generally with clearly defined W pattern (suborder Microchiroptera) 8
2	a	Ears with white basal tufts 3
	b	Ears without white basal tufts 4
3	a	Six prominent palatal ridges, one or two being post-dental, and these no different from inter-dental ridges; post-dental palate strongly concave posteriorly (genus *Epomophorus*) 5
	b	Five palatal ridges, the last two post-dental, these being differentiated from interdental ridges, thick, and each bearing two triangular projections; post-dental palate flattened posteriorly ..... *Epomops dobsonii* African Chiroptera name ..... *Epomophorus dobsonii*
4	a	Forearm generally 110 - 130 mm; colour generally tawny, with dorsal fur restricted to a narrow median band, sharply demarcated from naked wing membranes ..... *Eidolon helvum*
	b	Forearm 65 - 102 mm; ruff of stiff hair present or absent on lower neck of adult males (genus *Rousettus*) 7
5	a	One post-dental palatal ridge; forearm 77 - 89 mm in males, 72 - 86 mm in females ..... *Epomophorus wahlbergi*
	b	Two post-dental palatal ridges 6
6	a	Fourth palatal ridge mid-way between third and fifth ..... *Epomophorus crypturus*
	b	Fourth palatal ridge much nearer the third than fifth ..... *Epomophorus angolensis*
7	a	Wings from first toe; hair short and sleek; cheekteeth heavy; forearm generally 90 - 105 mm; premaxillaries in contact but not co-ossified; adult males without collar of stiff hairs ..... *Rousettus (Rousettus) aegyptiacus* African Chiroptera name ..... *Rousettus aegyptiacus*
	b	Wings from second toe; hair longer and coarser; cheekteeth reduced in bulk, short and broad; forearm 66 - 83 mm; premaxillaries co-ossified; adult males with collar of stiff hairs ..... *Rousettus (Lissonycteris) angolensis* African Chiroptera name ..... *Myonycteris angolensis*
8	a	Terminal portion of tial projecting markedly past edge of interfemoral membrane ... 9
	b	Tail almost entirely enclosed within the interfemoral membrane 10
9	a	Free terminal portion of tail emerges above middle of upper surface of interfemoral membrane (family Emballonuridae) 13
	b	Free terminal portion of tail projects considerably beyond hind margin of interfemoral membrane (family Molossidae) 60
10	a	Muzzle without nose-leaves or maked modifications of any kind (family Vespertilionidae) 32
	b	Muzzle with nose-leaves or deep central slit 11
11	a	Muzzle with deep central longitudinal slit lined with fleshy dermal outgrowths (family Nycteridae) 15
	b	Face without slit but with well-developed nose-leaves covering muzzle 12
12	a	Posterior leaflet of nose-leaf subtriangular, with erect pointed tip; toes with three phalanges (family Rhinolophidae) 20
	b	Posterior leaflet of nose-leaf with upper edge either elliptical in outline or tridentate; toes with two phalanges (family Hipposideridae) 29
13	a	Six lower incisors; forearm not more than 57 mm; no gular sac ..... *Coleura afra*
	b	Four lower incisors; forearm more than 57 mm; gular sac present or absent (genus *Taphozous*) 14
14	a	Entire dorsal fur conspicuously grizzled greyish; entire ventral surface clear white; forearm 58 - 64 mm; large gular sac in males ..... *Taphozous mauritianus*

	b	Dorsal fur never grizzled, colour pale brownish; ventral surface dusky; forearm 60 - 67 mm; no gular sac ..... *Taphozous perforatus*
15	a	Upper incisors trifid; tragus falciform or semilunate (*hispida* group) 16
	b	Upper incisors bifid; tragus semilunate or pyriform 17
16	a	Forearm 36 - 45 mm; ear 18 - 25 mm; condylocanine length less than 18 mm *Nycteris hispida*
	b	Forearm 57 - 66 mm; ear 28 - 35 mm; condylocanine length more than 18 mm *Nycteris grandis*
17	a	Tragus semi-lunate, base of posterior margin not notched (*macrotis* group) 18
	b	Tragus pyriform, base of its posterior margin shallowly notched (*thebaica* group) 19
18	a	General colour greyish; forearm 37 - 42 mm ..... *Nycteris woodi*
	b	General colour brownish; forearm 45 - 50 mm..... *Nycteris macrotis*
19	a	Size smaller; forearm 42 - 52 mm, ears larger, 28 - 37 mm; skull less massive; breadth of supraorbital flanges about 6.8 mm..... *Nycteris thebaica*
	b	Size larger; forearm over 50 mm; ears smaller, 22 mm; skull massive, breadth of supraorbital flanges about 9.0 mm ..... *Nycteris vinsoni*
20	a	Face and/or lateral margins of the sella liberally furnished with long hairs; connecting process low, rounded; greatest width of horseshoe generally over 9 mm 21
	b	Sella naked; connecting process rounded or pointed; greatest width of horseshoe below 9 mm 22
21	a	Forearm 62 - 67 mm..... *Rhinolophus hildebrandti* African Chiroptera name ..... *Rhinolophus hildebrandtii*
	b	Forearm 50 - 60 mm..... *Rhinolophus fumigatus*
22	a	Anterior upper premolar, when present, external to toothrow; canine and fourth upper premolar in contact; connecting process bluntly pointed 23
	b	Anterior upper premolar in toothrow; canine and fourth upper premolar not in contact; connecting process blunt or sharply pointed..... 24
23	a	Forearm 50 - 57 mm..... *Rhinolophus clivosus*
	b	Forearm 45 - 50 mm..... *Rhinolophus darlingi*
24	a	Connecting process rises to an erect point; interpterygoid groove usually shallow, not clearly defined by bordering ridges; anterior upper premolar usually not crowded between canine and fourth upper premolar, longer than wide..... 25
	b	Connecting process with a low bluntly pointed tip; interpterygoid groove deep and clearly defined by bordering ridges; anterior upper premolar usually more or less crowded between canine and fourth upper premolar, at least as wide as it is long 26
25	a	First phalanx of fourth finger notably shortened in relation to metacarpal length; connecting process pointed; molar width less than half width of palate between molars ..... *Rhinolophus landeri*
	b	First phalanx of fourth finger not notably shortened in relation to metacarpal length; connecting process rises to a high narrow horn; molar width more than half width of palate between molars ..... *Rhinolophus blasii*
26	a	Larger, forearm 47 - 51 mm; skull 20 mm or more ..... *Rhinolophus capensis*
	b	Smaller, forearm 40 - 46 mm; skull 18.7 mm or less 27
27	a	Sella broader; ears longer, 20 - 22 mm; condylocanine length > 15.5 mm *Rhinolophus simulator*
	b	Sella narrower; ears shorter, 18 - 20 mm; condylocanine length < 15.5 mm 28
28	a	Front edge of connecting process almost concave; lancet with sides almost convex; fur whitish at base ..... *Rhinolophus denti*
	b	Front edge of connecting process convex; lancet with sides concave, tip pointed; fur nearly unicoloured..... *Rhinolophus swinnyi*
29	a	Posterior leaflet on noseleaf simple in outline, elliptical or rounded, not tridentate; ears either separate or united by low band; rostrum at least half as long as the braincase; small upper premolar present; forearm 40 - 110 (genus *Hipposideros*) 31
	b	Posterior leaflet of noseleaf tridentate; ears always separate; small upper premolar present or absent; rostrum sometimes less than half as long as braincase; zygoma not, or greatly, expanded; forearm 31 - 54 mm..... 30
30	a	Size very small, forearm 31 - 35 mm; ears very low, rounded, rim-like, 8 mm; noseleaf small and inconspicuous; thumbs minute; rostrum less than half length of braincase; zygoma not greatly expanded ..... *Cloeotis percivali*

b Size larger, forearm 50 - 54 mm; ears short, 10 - 14 mm, but pointed; noseleaf conspicuous; thumbs normal; rostrum more than half the length of the braincase; zygoma greatly expanded into a wide plate; upper incisors bifid...*Triaenops persicus*

31 a Size very large; forearm 90 - 110 mm; ears very narrow and pointed; longitudinal frontal sac in both sexes.....*Hipposideros commersoni*
African Chiroptera name ..... *Macronycteris commersoni*

b Size much smaller; forearm 40 - 50 mm; ears broad..... *Hipposideros caffer*

32 a Second phalanx of third digit not especially elongated 33

b Second phalanx of third digit about three times as long as first; braincase high and rounded (subfamily MINIOPTERINAE; genus *Miniopterus*) 58

33 a Ears not funnel-shaped, without deep emargination below tip; tragus short and broad or long and narrow, but not sharply pointed; braincase not particularly high and rounded (subfamily VESPERTILIONINAE)..... 34

b Ears funnel-shaped, with deep emargination below tip; tragus long, narrow, sharply pointed; braincase high and rounded (subfamily KERIVOULINAE; genus *Kerivoula*) 57

34 a Six upper, six lower cheek teeth on either side (genus *Myotis*)..... 41

b Fewer than six upper and six lower cheek teeth..... 35

35 a Five upper, five lower cheekteeth; ears nor lengthened; two upper incisors on each side; wing with fifth finger not shortened; ears not joined at base (genus *Pipistrellus*) 47

b Four upper, five lower cheek teeth; ears notably lengthened only in exceptional cases 36

36 a Two upper incisors on each side..... 37

b One upper incisor on each side 39

37 a Rostrum very short and broad; braincase very high more than two-thirds of condylobasal length; lower lip with lobe at posterior angle; frequently with body pattern of spots and/or stripes, or conspicuous reticulation of wing membranes *Chalinolobus (Glauconycteris) variegatus*
African Chiroptera name .....*Glauconycteris variegata*

b Rostrum not shortened; braincase not elevated; no body or wing pattern 38

38 a Ear 18 mm or more, about half length of forearm (genus *Laephotis*) 45

b Ears less than 18 mm, much less than half length of forearm (genus *Eptesicus*).. 51

39 a Size larger, forearm not less than 46 mm; first and second upper molars with W-pattern obsolescent; tragus long and tapering (genus *Scotophilus*)..... 55

b Size smaller, forearm less than 46 mm; first and second upper molars with normal W-pattern; tragus either sickle-shaped or short and broad 40

40 a Skull with rostrum not broadened; palatal emargination narrow; anterior lower premolar about half the crown area of the next premolar; upper canines with rounded anterior surface; tragus halfmoon-shaped; penis not enlarged; forearm 29 - 33 mm .....*Nycticeius schlieffenii*
African Chiroptera name .....*Nycticeinops schlieffenii*

b Skull with rostrum notably broadened, particularly across lachrymals; palatal emargination broader; upper cheek teeth four or five; lower premolars equal in crown area; upper canines with broad flat anterior face; tragus short and broad; penis greatly lengthened; forearm 28 - 38 mm..... *Scotoecus albofuscus*

41 a Size larger, forearm over 52 mm.....*Myotis (Chrysopteron) welwitschii*
African Chiroptera name .....*Myotis welwitschii*

b Size smaller, forearm under 52 mm..... 42

42 a Wings with glands; first two upper premolars greatly reduced and crowded together laterally 43

b Wings without glands; first two upper premolars not greatly reduced, not crowded together laterally..... 44

43 a Size smaller, forearm 32.5 - 2.9 mm..... *Myotis (Cistugo) seabrai*
African Chiroptera name ..... *Cistugo seabrae*

b Size larger, forearm 34.5 mm.....*Myotis (Cistugo) lesueuri*
African Chiroptera name ..... *Cistugo lesueuri*

44 a Size larger, forearm 47 - 52 mm ..... *Myotis (Selysius) tricolor*
African Chiroptera name ..... *Myotis tricolor*

b Size smaller, forearm less than 47..... *Myotis (Selysius) bocagei*
African Chiroptera name ..... *Myotis bocagii*

45 a Larger, total skull length over 16 mm; ear length from meatus more than 21 mm; tragus with notch near base of the outside edge 46
b Smaller, total skull length under 15 mm; ear length no more than 18 mm; tragus without notch near base of the outside edge; dorsal colour buffy brown ..... *Laephotis botswanae*

46 a Ear length 24 - 45 mm; dorsal colour light drab ..... *Laephotis namibensis*
b Ear length 21 - 22 mm; dorsal colour mid-brown ..... *Laephotis wintoni*

47 a First upper incisor not, or scarsely, bifid; not grey and white, usually some shade of brown; penis less than half length of tibia the under parts brown or grey (subgenus *Pipistrellus*) 48
b First upper incisors markedly bifid; grey above and white below; penis more than halft length of tibia ..... *Pipistrellus (Vansonia) rueppellii*
African Chiroptera name ..... *Pipistrellus rueppellii*

48 a Outer upper incisor more than half length of inner upper incisor; forehead strongly concave; upper canine and posterior upper premolar separated by a gap through which anterior upper premolar can be clearly seen rising above cingula of adjoining teeth; interdental palate clearly longer than broad ..... *Pipistrellus (Pipistrellus) nanus*
African Chiroptera name ..... *Neoromicia nana*
b Outer upper incisor less than half length of inner upper incisor; forehead usually flat or weakly concave; upper canine and posterior upper premolar in contact or barely separated, anterior upper premolar seen from the side only with difficulty, usually not rising appreciably above cingula of adjoining teeth 49

49 a Interdental palate as broad as long; forehaed flat; total length of skull 12 mm ore less ..... *Pipistrellus (Pipistrellus) rusticus*
African Chiroptera name ..... *Pipistrellus rusticus*
b Interdental palate longer than broad; forehead at least slightly concave; total length of skull more than 12 mm 50

50 a Posterior upper incisor barely extending beyond cingulum of anterior upper incisor; anterior upper premolar a pointed tooth rising abot cingulum of canine but not above cingulum of posterior upper premolar; maxillary toothrow more than 4.5 mm *Pipistrellus (Pipistrellus) kuhlii*
(This should be *Pipistrellus hesperidus*. See Kock (2001))
African Chiroptera name ..... *Pipistrellus hesperidus*
b Posterior upper incisor extending well beyond cingulum of anterior upper incisor; anterior upper premolar a flat-crownede tooth completely below cingula of adjoining teeth; maxillary toothrow less than 4.5 mm ..... *Pipistrellus (Pipistrellus) anchietai*
African Chiroptera name ..... *Hypsugo anchietae*

51 a Wing membranes white or translucent ..... *Eptesicus rendalli*
African Chiroptera name ..... *Neoromicia rendalli*
b Wing membranes dark 52

52 a Size larger, forearm more than 40 mm; inner upper incisors unicuspid ..... *Eptesicus hottentotus*
b Size smaller, forearm less than 40 mm; inner upper incisors bicuspid 53

53 a Forearm 34.5 - 38 mm ..... *Eptesicus melckorum*
African Chiroptera name ..... *Neoromicia capensis*
b Forearm 35 mm or less 54

54 a Dorsal colour paler; wing membranes edged with white; dorsal fur up to 8 mm long; forearm 30 - 32 mm; condylobasal length usually les than 11.9 mm; skull lacking posterior occipital "helmet" ..... *Eptesicus somalicus*
African Chiroptera name ..... *Neoromicia somalica*
b Dorsal colour darker; wing membranes not edgesd with white; dorsal fur not more than 5 mm long; forearm 29 - 35 mm; condylobasal length more than 11.9 mm; skull with posterior occipital "helmet" ..... *Eptesicus capensis*
African Chiroptera name ..... *Neoromicia capensis*
c Size larger, forearm 29 - 35; skull with posterior occipital "helmet" ..... *Eptesicus (Eptesicus) capensis*
African Chiroptera name ..... *Neoromicia capensis*

55 a Size very large, forearm 75 - 80; total skull length 30 mm or more *Scotophilus nigrita*
b Size smaller, forearm 43 - 65 mm; skull length 16 - 23 mm 56

56 a Forearm 50 - 65 mm; skull 20 - 23 mm ..... *Scotophilus dinganii*

b Forearm 43 - 50 mm; skull 16 - 19 mm ..... *Scotophilus borbonicus*

57 a Size large, forearm 34 - 39 mm; skull > 15 mm; colour above bright reddish chestnut, below either whitish or buffish, never brown ..... *Kerivoula argentata*

b Size smaller, forearm 32 - 36 mm; skull < 13.5 mm; colour brownish or greyish-brown above, sometimes lightly grizzled with greyish white or white, and greyish brown to greyish white or white below ..... *Kerivoula lanosa*

58 a Size largern forearm 45 - 50 mm; skull length 16 mm and more .. *Miniopterus inflatus*

b Size smaller, forearm 42 - 47 mm; skull length c. 14 - 15 59

59 a Forearm 42 - 44 mm; skull length c. 14 mm; colour brownish black and/or russet ..... *Miniopterus fraterculus*

b Forearm 42 - 47 mm; skull length c. 15 mm; colour slaty brown *Miniopterus schreibersii*

60 a Prominent vertical projection on zygoma; size very large, forearm 62 - 73 mm; ears very large, 38 - 40 mm, conjoined on extended snout; conspicuous bicoloured dorsal pelage pattern with pale collar separating dark anterior and posterior regions of body ..... *Otomops martiensseni*

b Not combining the above characters 61

61 a Skull conspicuously flattened, greatest depth of braincase not more than one-third of greatest width; 5 upper cheekteeth (P^1 well developed); ears separate, not widely spaced; forearm 36 - 42 mm ..... *Sauromys petrophilus*

b Skull not conspicuously flattened; 4 - 5 upper cheekteeth, ears separate or conjoined; forearm 30 - 66 mm 62

62 a Only 1 upper premolar; three pairs of lower incisors; large palatal emargination; ears separate; size small, forearm c. 38 mm, condylobasal length less than 15 mm (genus *Mormopterus*) ..... *Mormopterus acetabulosus*

b Almost always two upper premolars; not more than two pairs of lower incisors; condylobasal length generally more than 15 mm (genus *Tadarida*) 63

63 a Anterior palatal emargination well developed, extending beyond upper incisors and including area of incisive foramina; third commissure of last upper molar well developed, almost as long as second commissure 64

b Anterior palatal emargination greatly reduced, not extending behind upper incisor and separated from incisive foramina by a bony bar 69

64 a Condylobasal length more than 21 mm 65

b Condylobasal length less than 21 mm 67

65 a Interdental palatal length more than twice palatal width at anterior end, ears very large, united at base close to nostrils, and projecting well beyond muzzle when laid forward; basisphenoid pits shallow; lower canines almost touching at base; forearm 63 mm..... *Tadarida (Tadarida) lobata*
African Chiroptera name ..... *Tadarida lobata*

b Interdental palatal length less than twice palatal width at anterior end 66

66 a Larger, total skull length 23.5 - 25.7 mm, forearm 63 - 66 mm .... *Tadarida (Tadarida) ventralis*
African Chiroptera name ..... *Tadarida ventralis*

b Smaller, total skull length 22 - 22.9 mm, forearm 57 - 62 mm ..... *Tadarida (Tadarida) fulminans*
African Chiroptera name ..... *Tadarida fulminans*

67 a Forehead flat; width of anterior palatal emargination more than diameter of upper incisor; forearm 44 - 53 mm; lower canines widely separated at base ..... *Tadarida (Tadarida) aegyptiaca*
African Chiroptera name ..... *Tadarida aegyptiaca*

b Forehead elevated; width of anterior palatal emargination less than diameter or upper incisor; condylobasal length more than 17 mm 68

68 a Zygomatic breadth more than 12 mm ..... *Tadarida (Chaerephon) bivittata*
African Chiroptera name ..... *Chaerephon bivittatus*

b Zygomatic breadth less than 12 mm ..... *Tadarida (Chaerephon) ansorgei*
African Chiroptera name ..... *Chaerephon ansorgei*

69 a Third commissure of last upper molar well develiped, almost as long as second commissure; basisphenoid pits shallow, separated at most by a low ridge 70

b Third commissure of last upper molar reduced, clearly shorter, and usually much shorter than second commissure 72

70 a Forehead virtually flat; maxillary toothrow length more than 6.3 mm; interdental palate (measured at anterior end of posterior premolar) approximately twice as long as it is wide ..... *Tadarida (Chaerephon) nigeriae*
African Chiroptera name ..... *Chaerephon nigeriae*
b Forehead distinctly elevated; maxillary toothrow less than 6.3 mm..... 71
71 a Interdental palate (measured at anterior end of posterior premolar) approximately twice as long as it is wide; males with long (13 - 14 mm) bicoloured postaural crest, dark basally, pale apically ..... *Tadarida (Chaerephon) chapini*
African Chiroptera name ..... *Chaerephon chapini*
b Interdental palate approximately one-and-a-half times as long as it is wide; males with short (10 mm or less) unicoloured postaural crest..... *Tadarida (Chaerephon) pumila*
African Chiroptera name ..... *Chaerephon pumilus*
72 a Condylobasal length more than 23 mm; forearm 58 - 66 mm. *Tadarida (Mops) midas*
African Chiroptera name ..... *Mops (Mops) midas*
b Condylobasal length less than 21 mm; forearm 45 - 50 mm; third commissure of last upper molar clearly present and approximately half as long as second commissure ..... *Tadarida (Mops) condylura*
African Chiroptera name ..... *Mops (Mops) condylurus*

Appendix 5aj: Qumsiyeh and Jones (1986). Rhinopoma hardwickii and Rhinopoma muscatellum

1	a	Large; forearm 57 to 75 mm, greatest length of the skull 18 to 23 mm; skull robust, with well-developed sagittal and lambdoidal crests; rostrum with narial swellings poorly defined, almost flat .....*Rhinopoma microphyllum*
	b	Small; forearm 46 to 63 mm, greatest length of the skull 14 to 19 mm; skull slender and with rounded braincase; lambdoidad and sagittal crests poorly developed; rostrum with well-defined narial swellings 2
2	a	Muzzle with well-developed transverse dermal ridge; narial inflations rounded; posterior margin of palate rounded .....*Rhinopoma hardwickii* African Chiroptera name .....*Rhinopoma cystops*
	b	Muzzle with poorly developed, almost flat dermal ridge; narial inflations angular in profile; posterior margin of palate angular.....*Rhinopoma muscatellum*

Appendix 5ak: Happold (1987). The mammals of Nigeria.

1	a	Second finger terminating in claw; ear conch forms complete ring around external ear opening; tragus absent; tall absent or very small; interfemoral membrane poorly developed; no nose-leaves or fleshy outgrowths on nasal region or forehead; large eyes; cheek teeth simple without well-developed cusps (Suborder Megachiroptera). 2
	b	Second finger without terminal claw; inner and outer margins of ear conch arise at different points and are not joined at base; tragus usually present; tall long In most species with well-developed interfemoral membrane (except family Megadermatidae); nose-leaves or fleshy outgrowths present in some families; eyes mostly small and obscure; cheek teeth with well-developed cusps (Suborder Microchiroptera)..... 13
2	a	Tongue with pointed tip, densely covered with long papillae (Fig. 3.7); FA 41 - 44, WT 10 - 15. .....*Megaloglossus woermanni*
	b	Tongue with rounded tip, without papillae; FA more than 44, WT more than 15..... 3
3	a	Heas with large white spot between eyes; white spot at posterior margin of each eye; FA 49 - 55.....*Scotonycteris zenkeri*
	b	Head without white spots as above..... 4
4	a	White basal ear-tufts present (often inconspicuous in *Nanonycteris veldkampi*)..... 5
	b	White basal ear-tufts absent..... 10
5	a	Very large; FA 118 or more; wide cylindrical muzzle, not tapering towards nostrils. .....*Hypsignathus monstrosus*
	b	Smaller; FA not more than 100; muzzle tapering towards nostrils. 6
6	a	FA 60 - 100..... 7
	b	FA less than 60. 9
7	a	Head rounded; three prominent palatal ridges between tooth rows, followed by 5 - 6 less prominent ridges (Fig. 3.5); FA 80 - 90; TLS 44 - 51.....*Epomops franqueti*
	b	Head elongated; six prominent palatal ridges (Fig. 3.5); FA 66 - 97; TLS 40 - 67.... 8
8	a	FA 75 - 97; TLS 46 - 67.....*Epomophorus gambianus*
	b	FA 66 - 78; TLS 40 - 49.....*Epomophorus anurus* African Chiroptera name .....*Epomophorus labiatus*
9	a	Nasal region broad; 5 - 7 broad palatal ridges extending to margins of palate, all except first two obviously divided by median groove (Fig. 3.5); FA 49 - 65. .....*Micropteropus pusillus*
	b	Nasal region slender; 12 - 13 narrow palatal ridges, posterior ridges not extending to margins of palate (Fig. 3.5); FA 45 - 54. .....*Nanonycteris veldkampi* African Chiroptera name .....*Micropteropus pusillus*
10	a	FA 110 or more; dorsal pelage dull yellow, hairs dark with dull yellow tips; no collar of stiff hairs on throat and neck of adult males.....*Eidolon helvum*
	b	FA less than 110; collar of stiff hairs on throat and neck of adult males (sometimes inconspicuous). 11
11	a	FA 60 - 64; WT 35 - 41; palatal ridges as in Fig. 3.5; not associated with caves. .....*Myonycteris torquata*
	b	FA more than 65; WT more than 41; usually associated with caves. 12
12	a	FA 66 - 81; WT 54 - 92; pelage-dark brown, long and soft; well-developed collar of stiff hairs on throat of adult males; palatal ridges as in Fig. 3.5; cheek teeth about as broad as long; wings insert on second toe. .....*Rousettus angolensis* African Chiroptera name .....*Myonycteris angolensis*
	b	FA 87 - 102; WT 84 - 131; pelage dark brown, short; poorly developed collar of stiff hairs on throat of adult males; palatal ridges as in Fig. 3.5; cheek teeth longer than they are broad; wings insert on first toe. .....*Rousettus aegyptiacus*
13	a	No visible tail (Family Megadermatidae) .....*Lavia frons*
	b	Tail long and easily visible..... 14
14	a	Part of tail free of the interfemoral membrane..... 15
	b	Tail entirely enclosed in the interfemoral membrane. 17
15	a	Free portion of tail emerges-upwards near centre of the interfemoral membrane (Family Emballonuridae) 20
	b	Free portion of tail emerges at hind margin of the interfemoral membrane..... 16
16	a	Free portion of tail thick and broad, approximately equal in length to portion enclosed in the interfemoral membrane (Family Molossidae) 61

	b	Free portion of tail very long and slender (Family Rhinopomatidae). ..... *Rhinopoma microphyllum*
17	a	Face simple, without nose-leaves (Family Vespertilionidae) 39
	b	Face with nose-leaves. 18
18	a	Face with deep slit from nostrils to forehead, bordered by nose-leaves; tragus present; tail ends in characteristic 'Y'-shaped cartilage (Family Nycteridae) 24
	b	Face without deep slit from nostrils to forehead; noseleaves flattish, covering whole of nasal region; tragus absent or very small; tail does not end in 'Y'-shaped cartilage. 19
19	a	Posterior nose-leaf with an erect fleshy point (sella) (Family Rhinolophidae). 29
	b	Posterior nose-leaf elliptical, without an erect fleshy point (Family Hipposideridae) 33
20	a	FA less than 51; gular pouch absent; radio-rnetacarpal pouch absent. .. *Coleura afra*
	b	FA more than 51; gular pouch present in males; radio-metacarpal pouch present. 21
21	a	FA more than 80; gular pouch in males and females; pelage dark brown; rainforest zone. ..... *Taphozous peli* African Chiroptera name ..... *Saccolaimus peli*
	b	FA less than 80; gular pouch in males only; rainforest and savanna zones. 22
22	a	FA 70 - 75; TLS 26 - 28; naked skin on ventral surface and rump. ..... *Taphozous nudiventris*
	b	FA not more than 70; TLS not more than 22; fully furred on ventral surface and rump. 23
23	a	FA 58 - 64; dorsal pelage speckled grey (salt-and-pepper effect); ventral pelage pure white; large gular pouch in males. ..... *Taphozous mauritianus*
	b	FA 60 - 67; dorsal grey pelage greyish, not speckled; ventral pelage greyish or whitish; small gular pouch in males. ..... *Taphozous perforatus* African Chiroptera name ..... *Taphozous perforatus perforatus*
24	a	Posterior lower premolar large, reaching above cingulum of anterior premolar and equal or almost equal to height of anterior cusp of first molar; obvious concavity on outer margin of tragus. 25
	b	Posterior lower premolar very small, reaching approximately to cingulum of anterior premolar (Fig. 3.9); no obvious concavity on outer margin of tragus. 26
25	a	FA 36 - 46; E 28 - 33. ..... *Nycteris arge*
	b	FA 47 - 50; E 27 - 32. ..... *Nycteris major*
26	a	Upper incisors trifid (Fig. 3.9). 27
	b	Upper.incisors bifid (Fig. 3.9). 28
27	a	Forearm 36 - 45; E 18 - 25; rainforest and savanna zone. ..... *Nycteris hispida*
	b	FA 57 - 66; E 28 - 35; rainforest zone. ..... *Nycteris grandis*
28	a	TLS less than 20; posterior lower premolar extremely small and hardly visible; slight concavity on outer margin of tragus. ..... *Nycteris thebaica*
	b	TLS more than 20; posterior molar small but visible; no concavity on outer margin of tragus. ..... *Nycteris macrotis*
29	a	FA more than 57; TLS at least 29; connecting process does not stand up above level of sella (Fig. 3.11). ..... *Rhinolophus maclaudi*
	b	FA less than 57; TLS less than 29; connecting process stands up above level of sella. 30
30	a	Connecting process rounded (Fig. 3.11). 31
	b	Connecting process pointed (Fig. 3.11). 32
31	a	FA 50 - 53; TLS 21 - 23. ..... *Rhinolophus fumigatus*
	b	FA 45 - 48; TLS about 19. ..... *Rhinolophus alticolus* African Chiroptera name ..... *Rhinolophus simulator*
32	a	FA 38 - 45; TLS 17 - 20; savanna habitats. ..... *Rhinolophus landeri*
	b	FA 49 - 54; TLS 22 - 34; rainforest habitats ..... *Rhinolophus alcyone*
33	a	Central nose-leaf and posterior nose-leaf each with club-like process; FA 62 - 71. ..... *Hipposideros cyclops* African Chiroptera name ..... *Doryrhina cyclops*
	b	Nose-leaves without club-like processes. 34
34	a	Internarial septum enlarged with lateral lobes obscuring the nostrils; FA 50 - 55. ..... *Hipposideros jonesi*
	b	Internarial septum not enlarged, nostrils visible. 35

35 a FA 98 or greater, TLS 34 or greater, E 28 - 32; frontal sac with longitudinal slit. ..... *Hipposideros commersoni*
African Chiroptera name ..... Macronycteris commersoni
b FA less than 98, TLS less than 54; frontal sac, if present, with horizontal slit. 36
36 a Three secondary leaflets on either side of anterior noseleaf; FA 59 - 64. *Hipposideros abae*
b Two secondary leaflets on either side of anterior noseleaf; FA 41 - 52. 37
37 a FA 41 - 44. ..... *Hipposideros beatus*
b FA usually more than 44. 38
38 a FA 43 - 48. ..... *Hipposideros caffer*
b FA 48 - 52. ..... *Hipposideros ruber*
39 a Second phalanx of third finger about three times as long as first phalanx (Fig. 3.4). ..... *Miniopterus schreibersi*
African Chiroptera name ..... Miniopterus schreibersii
b Second phalanx of third finger less than three times as long as the first phalanx. . 40
40 a Pelage woolly; ear funnel-shaped; tragus long and straight, tapering to a slender point. ..... *Kerivoula smithi*
African Chiroptera name ..... Kerivoula smithii
b Pelage generally short, not woolly; tragus not long and straight, not tapering to a slender point. 41
41 a Six upper and six lower cheek teeth on each side of mouth. ..... *Myotis bocagei*
African Chiroptera name ..... Myotis bocagii
b Less than six upper and six lower cheek teeth on each side of mouth. 42
42 a Four upper incisor teeth. 43
b Only two upper incisor teeth. 46
43 a Upper jaw with two premolars on each side (Genus *Pipistrellus*). 49
b Upper jaw with one premolar on each side. 44
44 a Second phalanx of third finger longer than first phalanx; wings white with dark reticulation, or white markings on shoulders or on dorsal surface; nasal region very short (Genus *Glauconycteris*) 51
b Second phalanx of third finger shorter than first phalanx; wings white or dark; no white markings on shoulders or on dorsal surface of body; nasal region not particularly short. 45
45 a Wings extremely narrow and small in relation to size ot body; tragus short and blunt; skull flat and broad. ..... Mimetillus moloneyi
b Wings not extremely .narrow; tragus not particularly short and blunt (Genus *Eptesicus*) 53
46 a FA not less than 40; tragus long and 'sickle-shaped'; skull with mid-dorsal ridge which can be felt on top of head (Genus *Scotophilus*) 57
b FA less than 40; tragus rounded at tip; skull without mid-dorsal ridge. 47
47 a Upper canines with groove on anterior surface (Genus *Scotoecus*) 48
b Upper canines without groove on anterior surface. ..... *Nycticeius schlieffeni*
African Chiroptera name ..... Nycticeinops schlieffenii
48 a Wings white; ventral pelage dark, similar to dorsal pelage; FA 30 - 31. ..... *Scotoecus albofuscus*
b Wings dark; ventral pelage silvery-white; FA 34 - 35. ..... Scotoecus hindei
49 a Ventral pelage pure white; inner upper incisor teeth deeply bifid; FA 32 - 34. ..... *Pipistrellus rueppelli*
African Chiroptera name ..... Pipistrellus rueppellii
b Ventral pelage dark or grey; inner upper incisor teeth not bifid or only slightly bifid; FA less than 32. 50
50 a Tragus 'hatchet-shaped'; dorsal hairs dark brown with golden-brown tips; FA 25 - 32. ..... *Pipistrellus nanus*
African Chiroptera name ..... Neoromicia nana
b Tragus 'sickle-shaped'; dorsal hairs reddish-brown; FA 25 - 31. .. Pipistrellus nanulus
51 a Wings and interfermoral membrane pale, with bold dark reticular pattern; FA 41 - 45. ..... Glauconycteris variegata
b Wings dark, without reticular pattern; FA less than 41. 52
52 a Pelage grey or brownish-grey, with white shoulder spot and white lateral spot or line on each side of body; tragus short and broad. ..... Glauconycteris poensis

	b	Pelage dark brown or rufous-brown, without white markings except for white tuft on each shoulder; tragus long and narrow. ..... *Glauconycteris beatrix*
53	a	Wings white or translucent. 54
	b	Wings dark. 56
54	a	Wings very pale, contrasting with blackish-brown dorsal pelage; FA less than 32. ..... *Eptesicus tenuipinnis* African Chiroptera name ..... *Neoromicia tenuipinnis*
	b	Wings pale, not contrasting so definitely with light-buff to dark brown dorsal pelage; FA usually more than 32. 55
55	a	Dorsal pelage dark brown to reddish-brown; ventral pelage grey, incisor teeth without hook on posterior surface. ..... *Eptesicus brunneus* African Chiroptera name ..... *Neoromicia brunnea*
	b	Dorsal pelage light buff to fawny-brown; ventral pelage light grey; anal region white; upper incisor teeth with hook on posterior surface. ..... *Eptesicus rendalli* African Chiroptera name ..... *Neoromicia rendalli*
56	a	FA more than 45; HB 60 - 75. ..... *Eptesicus platyops*
	b	FA less than 45; HB 30 - 45. *Eptesicus capensis group (including Eptesicus somailcus and Eptesicus puslllus)*
57	a	FA 80 - 88; TLS 31 - 34. ..... *Scotophilus nigrita* (This should be *Scotophilus dinganii*. See Robbins (1978)) African Chiroptera name ..... *Scotophilus dinganii*
	b	FA less than 80; TLS less than 31. 58
58	a	FA 41 - 47; WT14 - 18; ventral pelage yellow to pale buffy-brown, never white; savanna zones. ..... *Scotophilus viridis*
	b	FA 49 - 57; WT 16 - 30;.ventral pelage varying shades of yellow, greyish-white or white; rainforest or savanna zones. 59
59	a	FA about 55; WT about 30; dorsal pelage dark orange-brown; rainforest zone. ..... *Scotophilus nux*
	b	FA 49 - 57; WT usually 16 - 27; dorsal pelage brown to greyish-brown; rainforest and savanna zones. 60
60	a	FA 49 - 57; WT 16 - 27; ventral pelage bright yellow, yellowish orange or pale yellow; rainforest and savanna zones. ..... *Scotophilus dinganii*
	b	FA 49 - 54, WT 16 - 20; ventral pelage greyish-white to white, never yellowish; savanna zones. ..... *Scotophilus leucogaster*
61	a	Tragus large, longer than antitragus and not concealed by antitragus; ears white or translucent, well separated and not connected by flap of skin; FA not more than 37; upper Incisors In contact at their bases. ..... *Myopterus whitleyi*
	b	Tragus small concealed by antitragus (except in *Tadarida aegyptiaca*); ears not translucent, connected by flap of skin or at least very close together; FA 27 - 66; upper incisors clearly separated. 62
62	a	FA 27 - 31. ..... *Tadarida nanula* African Chiroptera name ..... *Mops (Xiphonycteris) nanulus*
	b	FA more than 31. 63
63	a	FA less than 43 64
	b	FA more than 43. 66
64	a	Dorsal pelage blackish-brown; white or pale hairs on ventral surface where wings join flanks; mainly savanna zones. ..... *Tadarida pumila* African Chiroptera name ..... *Chaerephon pumilus*
	b	Dorsal pelage dark brown or orange-brown; no white hairs on ventral surface where wings join flanks; rainforest zone. 65
65	a	FA 35 - 38; dorsal pelage orange-brown to reddish-brown; flanks brownish. *Tadarida leonis* African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*
	b	FA 38 - 41; dorsal pelage rich dark brown with band of black naked skin adjacent to wings and on rump. ..... *Tadarida thersites* African Chiroptera name ..... *Mops (Xiphonycteris) thersites*
66	a	FA less than 50. 67
	b	FA more than 50. 68

67 a Dorsal and ventral pelage dark brown, with band of long pure white hairs on ventral surface where wings join body; ears with particularly large flap of skin joining inner surfaces of ears; tuft of thickened hairs on top of head. ..... *Tadarida nigeriae*
African Chiroptera name .....*Chaerephon nigeriae*

b Dorsal pelage reddish-brown, ventral pelage usually greyish with band of white hairs where wings join body; ears without particularly large flap of skin joining inner surfaces of ears; no tuft of thickened hairs on top of head. ..... *Tadarida condylura*
African Chiroptera name .....*Mops (Mops) condylurus*

68 a FA 60 - 66. ..... *Tadarida midas*
African Chiroptera name .....*Mops (Mops) midas*

b FA less than 60. 69

69 a Tragus well-developed, not obscured by antitragus; FA 44 - 53; savanna habitats. .....*Tadarida aegyptiaca*

b Tragus small, concealed by antitragus; FA 55 - 57; rainforest habitats. ..... *Tadarida congica*
African Chiroptera name .....*Mops (Mops) congicus*

Appendix 5al: Boulay and Robbins (1989). Epomophorus gambianus

1	a	Single strong transverse palatal ridge between last molars and upturned posterior edge of bony palate (bony support usually evident evne if ridge cleaned of tissue); one postdental palatal ridge, length of forearm 72 to 95 (males) 68 to 88 (females) ..... *Epomophorus wahlbergi*
	b	Two weaker transverse parallel palatal ridges between last molars and upturned posterior edge of bony palate (bony supports faint if bony palate cleaned); two postdental fleshy palatal ridges 2
2	a	Second to fourth fleshy palatal ridge divided in the middle; length of forearm 62.3 to 62.8 (males), 65.8 (females) ..... *Epomophorus grandis*
	b	Second to fourth fleshy palatal ridge s undivided 3
3	a	Fourth fleshy palatal ridge nearer third than fifth; western Angola, north-western Namibia ..... *Epomophorus angolensis*
	b	Fourth fleshy palatal ridge midway between third and fifth 4
4	a	Condylobasal length 51.1 to 63.6 (males), 45.0 to 56.1 (females) ..... *Epomophorus gambianus*
	b	Condylobasal length less than 50 (males), 45 (females) 5
5	a	Condylobasal length 40.0 to 48.4 (males), 37.0 to 43.9 (females) ..... *Epomophorus labiatus* African Chiroptera name ..... *Epomophorus minor*
	b	Condylobasal length usually less than 40 (33.0 to 40.8 in males and 31.0 to 39.0 in females) ..... *Epomophorus minor*

Appendix 5am: Happold and Happold (1989). The bats (Chiroptera) or Malawi, Central Africa: Checklist and keys for identification

1	a	Second finger terminating in claw (Fig. 1); ear conch forms complete ring around external ear opening (Fig. 2a); tragus absent; tail absent or very small (Fig. 3a); interfemoral membrane poorly developed (Fig. 3a); no nose-leaves or fleshy outgrowths on nasal region or forehead; large eyes; cheek-teeth simple without well-developed cusps (Fig. 4) (Suborder Megachiroptera) 2
	b	Second finger without terminal claw; innter and outer margins of ear conch arise at different points and are note joined a t bas; tragus usually present (Fig. (2b-h); tail long and interfemoral membrane well-developed in most families (Fig. 3) except Megadermatidae (Fig. 3d); nose-leaves or fleshy outgrowths present in some families (Fig. 2); eyes small and obscure; cheek-teeth with well-developed cusps (Suborder Microchiroptera) 7
2	a	No white tufts at base of ears; five upper cheek-teeth..... 3
	b	Conspicuous white tuft at the base of each ear (Fig. 2a); three upper cheek-teeth (Fig. 4) 4
3	a	Forearm usually > 100 mm (110 - 130).....*Eidolon helvum*
	b	Forearm usually < 100 mm (80 - 105).....*Rousettus aegyptiacus*
4	a	Five prominent palatal ridges ..... *Epomops dobsoni* African Chiroptera name ..... *Epomophorus dobsonii*
	b	Six prominent palatal ridges (Fig. 4) 5
5	a	One post-dental palatal ridge ..... *Epomophorus wahlbergi*
	b	Two post-dental palatal ridges 6
6	a	Forearm adult male 61 - 69 mm (mean 64), adult female 58 - 64 mm (mean 61); head adult male 41 - 44 mm (mean 42), adult female 35 - 39 mm (mean 37) [but see text] .....*Epomophorus minor*
	b	Forearm adult male 80 - 86 mm (mean 83), adult female 68 - 79 mm (mean 71); head adult male 52 - 59 mm (mean 54), adult female 37 - 49 (mean 40) [but see text] .....*Epomophorus crypturus*
7	a	No visible tail (Fig 3d) (Family Megadermatidae) .....*Lavia frons*
	b	Tail long and easily visible..... 8
8	a	Part of tail free of the interfemoral membrane..... 9
	b	Tail entirely enclosed in the interfemoral membrane 10
9	a	Free portion of tail emerges upwards near centre of the interfemoral membrane (Fig. 3b) (Family Emballonuridae) 13
	b	Free portion of tail emerges at hind margin of the interfemoral membrane (Fig. 3h) (Family Molossidae) 56
10	a	Face simple without nose-leaves (Fig. 2g) (Family Vespertilionidae)..... 30
	b	Face with nose-leaves (Fig. 2c-f) 11
11	a	Face with deep slit from nostrils to forehead, bordered by nose-leaves (Fig. 2c); tragus present; tail ends in characteristic Y-shaped cartilage (Fig. 3c) (Family Nycteridae) 15
	b	Face without deep slit from nostrils to forehead; nose-leaves flattish, covering whole of nasal region; tragus absent or very small; tail does not end in Y-shaped cartilage 12
12	a	Posterior leaflet of nose-leaf triangular, with an erect fleshy point called a sella (Figs. 2e & 6a); three bones in each toe (Family Rhinolophidae)..... 19
	b	Posterior leaflet of nose-leaf elliptical or tridentate, without a sella (Figs. 2f & 7); two bones in each toe (Family Hipposideridae)..... 26
13	a	Forearm < 55 mm..... *Coleura afra*
	b	Forearm > 55 mm..... 14
14	a	Forearm 58 - 64 mm (mean 62); dorsal pelage grizzled dark and pale grey (salt-and-pepper effect); ventral pelage pure white; large gular pouch in males .....*Taphozous mauritianus*
	b	Forearm 60 - 67 mm; dorsal pelage grey, not grizzled; ventral pelage greyish or whitish but not pure white; no gular pouch in males ..... *Taphozous perforatus* African Chiroptera name .....*Taphozous perforatus perforatus*
15	a	Upper incisors bifid (Fig. 5a) 16
	b	Upper incisors trifid (Fig. 5b) 18
16	a	Tragus semi-lunate, base of its posterior margin not notched (Fig. 5c)..... 17

	b	Tragus pyriform, base of its posterior margin with a distinct notch (Fig. 5d) ..... *Nycteris thebaica*
17	a	Forearm 37 - 42 mm, pelage greyish ..... *Nycteris woodi*
	b	Forearm 45 - 54 mm (mean 52), pelage brownish ..... *Nycteris macrotis*
18	a	Forearm 36 - 45 mm; ear 18 - 25 mm ..... *Nycteris hispida*
	b	Forearm 57 - 67 mm (mean 64); ear 26 - 35 mm ..... *Nycteris grandis*
19	a	Connecting process pointed (Fig. 6b) 20
	b	Connecting process rounded (Fig. 6c-e) 21
20	a	Ratio of first phalanx of the fourth finger to the metacarpal 1:3.5 (range 3.1 - 3.9) (see Fig. 1); sella wedge-shaped ..... *Rhinolophus blasii*
	b	Ratio of first phalanx of the fourth finger to the metacarpal 1:4.9 (range 4.3 - 5.6) (see Fig. 1); sella with parallel sides ..... *Rhinolophus landeri*
21	a	Horseshoe wider than 9 mm; sella with abundant long hairs (examine under magnifying glass) 22
	b	Horseshoe usually < 9 mm; sella naked or with very few hairs (examine under magnifying glass) 23
22	a	Forearm 60 - 70 mm (mean 63); horseshoe 12 - 15 mm (mean 14) ..... *Rhinolophus hildebrandtii*
	b	Forearm 45 - 55 mm (mean: male 49, female 52); horseshoe 9 - 12 mm (mean 10) ..... *Rhinolophus fumigatus*
23	a	Forearm 50 - 57 mm (mean 53); connecting process high and rounded (Fig. 6d) ..... *Rhinolophus clivosus*
	b	Forearm < 50 mm; connecting process low and rounded (Fig. 6e) 24
24	a	Anterior upper premolar in toothrow, upper canine not in contact with posterior upper premolar (Fig. 6f); forearm 40 - 46 mm 25
	b	Anterior upper premolar external to toothrow, upper canine in contact with posterior upper premolar (Fig. 6g); forearm 43 - 50 mm ..... *Rhinolophus darlingi*
25	a	Forearm 40 - 46 mm (mean 45); sella broad ..... *Rhinolophus simulator*
	b	Forearm 40 - 46 mm; sella narrow ..... *Rhinolophus swinnyi*
26	a	Posterior leaflet on nose-leaf elliptical (Fig. 7a) 27
	b	Posterior leaflet on nose-leaf tridentate (Fig. 7b) 29
27	a	Forearm 79 - 115 mm ..... *Hipposideros commersoni* African Chiroptera name ..... *Macronycteris commersoni*
	b	Forearm < 60 mm 28
28	a	Forearm 42 - 50 mm (mean 47); pelage either grey or pale orange; median posterior nasal compartment narrow with wide lateral inflations ..... *Hipposideros caffer*
	b	Forearm 48 - 54 mm; pelage either grey-brown or rufous; median posterior nasal compartment wide with narrow lateral inflations ..... *Hipposideros ruber*
29	a	Forearm 50 - 55 mm; nose-leaf conspicuous ..... *Triaenops persicus*
	b	Forearm 31 - 39 mm; nose-leaf inconspicuous ..... *Cloeotis percivali*
30	a	Second phalanx of third finger about three times as long as the first phalanx (Genus *Miniopterus*) 55
	b	Second phalanx of third finger approximately as long as the first 31
31	a	Ears funnel-shaped, with deep emargination below tip; tragus long, narrow and tapering to a slender point (Fig. 8m); pelage woolly (Genus *Kerivoula*) 54
	b	Ears not funnel-shaped; ears without deep emargination below tip; tragus short and broad or long and narrow but not tapering to a slender point (Fig. 8); pelage not woolly 32
32	a	Six upper cheek-teeth on each side (Fig. 9a) (Genus *Myotis*) 39
	b	Four or five upper cheek-teeth on each side (Fig. 9b-d) 33
33	a	Two upper incisors on each side (Fig. 9c) 34
	b	One upper incisor on each side (Fig. 9d) 37
34	a	Five upper cheek-teeth on each side (Fig. 9b) (Genus *Pipistrellus*) 43
	b	Four upper cheek-teeth on each side (Fig. 9c-d) 35
35	a	Ear 18 mm or more, about half length of forearm (Genus *Laephotis*) ..... *Laephotis botswanae*
	b	Ear < 18 mm, much less than half length of forearm 36
36	a	Lower lip with lobe at posterior angle; forearm 39 - 45 mm; nasal region very short and broad; wing membranes reticulated or not reticulated (Genus *Glauconycteris*) 51

	b	Lower lip without lobe at posterior angle; forearm 29 - 53 mm; nasal region not very short and broad; wings without (Genus *Eptesicus*) 46
37	a	Forearm 42 - 88 mm (Genus *Scotophilus*) 52
	b	Forearm 28 - 38 mm 38
38	a	Upper canine with rounded anterior face and no groove; penis not elongated, about 9 mm; forearm 29 - 33 mm (mean 31); four upper cheek-teeth on each side (Genus *Nycticeus*) ..... *Nycticeius schlieffenii* African Chiroptera name ..... *Nycticeinops schlieffenii*
	b	Upper canine with broad flat anterior surface and a shallow groove; penis greatly elongated (14 mm in some specimens); forearm 28 - 38 mm; four or five upper cheek-teeth on each side (Genus *Scotoecus*) 41
39	a	Forearm 52 - 60 mm; very conspicuous pattern of orange-red and black markings on wings and interfemoral membrane ..... *Myotis welwitschii*
	b	Forearm 36 - 52 mm; wings and interfemoral membrane with faint markings or no markings 40
40	a	Forearm 47 - 52 mm (mean 49) ..... *Myotis tricolor*
	b	Forearm 36 - 42 mm (mean 39) ..... *Myotis bocagei* African Chiroptera name ..... *Myotis bocagii*
41	a	Wings white with brown edges; ventral pelage brown ..... *Scotoecus albofuscus*
	b	Wings dark brown; ventral pelage greyish-white 42
42	a	Greatest length of skull 13.5 - 15 mm; canine and cheek-teeth comparatively massive; c^1-c^1 (alveoli) about 5.6 mm, (cingula) about 5.7 mm; m^3-m^3 about 8.0 mm; c^1-m^3 about 6.1 mm; length of mandible about 11.5 mm ..... *Scotoecus albigula*
	b	Greatest length of skull 15.3 - 15.5 mm; canine and cheek-teeth less massive; c^1-c^1 (alveoli) about 5.2 mm, (cingula) about 5.3 mm; m^3-m^3 about 7.2 mm; c^1-m^3 about 5.4 mm; length of mandible about 10.3 mm ..... *Scotoecus hindei*
43	a	Ventral pelage pure white ..... *Pipistrellus rueppellii*
	b	Ventral pelage brown 44
44	a	Tragus hatchet-shaped with sharp angle on posterior border (Fig. 8e); commonly roosts in furled banana leaves ..... *Pipistrellus nanus* African Chiroptera name ..... *Neoromicia nana*
	b	Tragus not hatched-shaped, without sharp angle on posterior border (Fig. 8f-g); not known to roost in furled banana leaves 45
45	a	Forearm 30 - 37 mm (mean 35); head 15.0 - 16.5 mm (mean 15.9); total length of skull more than 12 mm; forehead slightly concave; tragus as in Fig. 8f *Pipistrellus kuhlii*
	b	Forearm 27 - 34 mm (mean 32); head 14.0 - 16.0 mm (mean 15.0); total length of skull 12 mm or less; forehead flat; tragus as in Fig. 8g ..... *Pipistrellus rusticus*
46	a	Wings white or translucent ..... *Eptesicus rendalli* African Chiroptera name ..... *Neoromicia rendalli*
	b	Wings with dark brown or black pigmentation 47
47	a	Forearm 44 - 53 mm ..... *Eptesicus hottentotus*
	b	Forearm < 40 mm 48
48	a	Forearm 34 - 38 mm ..... *Eptesicus melckorum* African Chiroptera name ..... *Neoromicia capensis*
	b	Forearm 35 mm or less 49
49	a	Cranial portion of skull elevated above rostrum; forearm 29 - 32 mm (mean 31) ..... *Eptesicus zuluensis* African Chiroptera name ..... *Neoromicia zuluensis*
	b	Cranial portion of skull note elevated above rostrum; forearm 29 - 35 mm 50
50	a	Skull with posterior occipital "helmet"; forearm 29 - 35 mm (mean 32) ..... *Eptesicus capensis* African Chiroptera name ..... *Neoromicia capensis*
	b	Skull without posterior occipital "helmet"; forearm 30 - 32 mm .... *Eptesicus somalicus* African Chiroptera name ..... *Neoromicia somalica*
51	a	Wings and interfemoral membrane conspicuously reticulated by pigmentation of the veins and therefore having a pattern of dark lines on a pale background ..... *Glauconycteris variegata*
	b	Wings and interfemoral membrane not reticulated and therefore without a pattern ..... *Glauconycteris argentata*
52	a	Forearm 77 - 88 mm ..... *Scotophilus nigrita*

	b	Forearm 42 - 65 mm 53
53	a	Forearm 48 - 60 mm (mean 55); head 23 - 26 mm (mean 25); tragus 9.0 - 10.5 mm (mean 9.6) ..... *Scotophilus dinganii*
	b	Forearm 42 - 52 mm (mean 48); head 17 - 23 mm (mean 21); tragus 8.0 - 9.0 mm (mean 8.3) ..... *Scotophilus viridis*
54	a	Forearm 34 - 41 mm; total length skull 15 mm or more; dorsal pelage bright reddish-chestnut ..... *Kerivoula argentata*
	b	Forearm 30 - 32 mm; total length skull 13.5 mm or less; dorsal pelage brown, grey-brown or dull buffy ..... *Kerivoula harrisoni* African Chiroptera name ..... *Kerivoula lanosa*
55	a	Forearm 42 - 45 mm, skull about 14 mm ..... *Miniopterus fraterculus*
	b	Forearm 42 - 47 mm, skull about 15 mm ..... *Miniopterus schreibersii*
56	a	Forearm 62 - 73 mm; ear 38 - 40 mm; ears joined together and joined to snout ..... *Otomops martiensseni*
	b	Forearm 34 - 66 mm; ear 30 mm or less; ears either joined or not joined together, but not joined to snout 57
57	a	Forearm > 55 mm 58
	b	Forearm < 55 mm 60
58	a	Ears joined together at base; m reduced, cusps forming V pattern (Fig. 10a) *Tadarida midas* African Chiroptera name ..... *Mops (Mops) midas*
	b	Ears not joined together; m not reduced; cusps forming N pattern (Fig. 10b) 59
59	a	Forearm 57 - 62 mm; total length skull 22.0 - 22.9 mm ..... *Tadarida fulminans*
	b	Forearm 60 - 67 mm; total length skull 23.5 - 25.7 mm ..... *Tadarida ventralis*
60	a	Forearm 43 - 53 mm 61
	b	Forearm 34 - 42 mm 64
61	a	Ventral pelage with white, off-white or very pale grey-brown area, especially on abdominal region; dorsal pelage conspicuously darker than ventral pelage; m reduced, cusps forming V pattern (Fig. 10a) 62
	b	Ventral pelage usually dark brown, sometimes tinged with grey; dorsal pelage usually same as ventral pelage or only slightly darker (in T. aegyptiaca, some individuals have off-white and pale grey-brown ventral pelage); m not reduced, cusps forming N or W pattern (Fig. 10b-c) 63
62	a	Crown of head darker than back; skull with sagittal crest low or absent; third commissure of m obsolete ..... *Tadarida niveiventer* African Chiroptera name ..... *Mops (Mops) niveiventer*
	b	Crown of head same colour as back; skull with well-developed sagittal crest; third commissure of m present although reduced ..... *Tadarida condylura* African Chiroptera name ..... *Mops (Mops) condylurus*
63	a	Ears joined at base; pattern of white spots or short stripe on crown of head and sometimes on shoulders and flanks ..... *Tadarida bivittata* African Chiroptera name ..... *Chaerephon bivittatus*
	b	Ears separate; no white spots or striped on crown of head, shoulders or flanks ..... *Tadarida aegyptiaca*
64	a	Males with long (13 - 14 mm) bicoloured post-aural crest with basal half of hairs reddish-brown, remainder white; forearm 34 - 39 mm ..... *Tadarida chapini* African Chiroptera name ..... *Chaerephon chapini*
	b	Males with short (10 mm or less) unicoloured post-aural crest; forearm 36 - 42 mm (mean 38) ..... *Tadarida pumila* African Chiroptera name ..... *Chaerephon pumilus*

Appendix 5an: Kowalski and Rzebik-Kowalska (1991). Mammals of Algeria.

1	a	Tail with terminal portion free, emerging from upper surface of interfemoral membrane (Family Emballonuridae). ..... *Taphozous nudiventris*
	b	Tail enclosed within interfemoral membrane or projecting from its margin. 2
2	a	Free portion of tail very slender, much longer than interfemoral membrane (Family Rhinopomatidae). ..... *Rhinopoma hardwickei* African Chiroptera name ..... *Rhinopoma cystops*
	b	Free portion of tail stout, not longer than interfemoral membrane or tail enclosed within membrane. 3
3	a	Complicated skin folds including a nose-leaf present around the nose (Family Rhinolophidae). 4
	b	Muzzle without skin folds. 10
4	a	Tail protruding from the membrane for more than 3 mm. ..... *Asellia tridens*
	b	Tail entirely enclosed within interfemoral membrane (Genus *Rhinolophus*). 5
5	a	Large, forearm usually more than 53 mm long. Noseleaf with superior connecting process of sella blunt in side view. ..... *Rhinolophus ferrumequinum*
	b	Size medium or small, forearm usually less than 53 mm long. Noseleaf with superior connecting process of sella blunt or pointed in side view. 6
6	a	Small, forearm less than 40 mm long. Noseleaf with superior connecting process blunt in side view, its base projecting prominently forwards. *Rhinolophus hipposideros*
	b	Medium size, forearm between 43 and 53 mm long. 7
7	a	Noseleaf with superior connecting process of sella pointed in side view. Small: forearm usually 43 - 49 mm long. 8
	b	Noseleaf with superior connecting process of sella blunt in side view. Large: forearm usually 48 - 53 mm long. 9
8	a	First phalanx of fourth finger more than half as long as the second. *Rhinolophus blasii*
	b	First phalanx of fourth finger less than half as long as second. .. *Rhinolophus euryale*
9	a	First phalanx of fourth finger more than half as long as the second. ..... *Rhinolophus clivosus*
	b	First phalanx of fourth finger less than half as long as second. .. *Rhinolophus mehelyi*
10	a	About half of tail free, projecting beyond posterior edge of narrow interfemoral membrane (Family Molossidae). 11
	b	Tail entirely enclosed in interfemoral membrane or only its tip protruding from it (Family Vespertilionidae). 12
11	a	Large, forearm more than 54 mm long. Three pairs of lower incisors. *Tadarida teniotis*
	b	Small, forearm less than 54 mm long. Two pairs of lower incisors. ..... *Tadarida aegyptiaca*
12	a	One pair of upper incisors. Ears very large. ..... *Otonycteris hemprichi* African Chiroptera name ..... *Otonycteris hemprichii*
	b	Two pairs of upper incisors. 13
13	a	Three pairs of premolars in upper jaws (Genus *Myotis*). 14
	b	One or two pairs of premolars in upper jaws. 17
14	a	Large, forearm more than 50 mm long. ..... *Myotis blythi*
	b	Small, forearm less than 45 mm long. 15
15	a	Hind foot very large, three-quarters length of tibia. ..... *Myotis capaccinii*
	b	Hind foot smaller, about half length of tibia. 16
16	a	Posterior edge of ear conspicuously indented above half its length. Posterior margin of interfemoral membrane with single soft hair. ..... *Myotis emarginatus*
	b	Posterior edge of ear with slight indentation. Posterior margin of interfemoral membrane covered with stiff, curved hair. ..... *Myotis nattereri*
17	a	Ears very large, about 35 mm long, joined across the forehead... *Plecotus austriacus*
	b	Ears not very large, widely separated from each other. 18
18	a	Three pairs of lower premolars. Terminal portion of unspanned wings curves inward. ..... *Miniopterus schreibersi* African Chiroptera name ..... *Miniopterus schreibersii*
	b	Two pairs of lower premolars. Terminal portion of unspanned wing does not curve inward. 19
19	a	One pair of upper premolars. ..... *Eptesicus serotinus*
	b	Two pairs of upper premolars. 20

20	a	Large, forearm more than 40 mm long. Wings narrow (Genus *Nyctalus*). 21
	b	Small, forearm less than 37 mm long. Wings broad (Genus *Pipistrellus*)..... 22
21	a	Forearm more than 50 mm long.....*Nyctalus noctula*
	b	Forearm less than 46 mm long. ..... *Nyctalus leisleri*
22	a	First upper incisor unicuspid. .....*Pipistrellus savii*
		African Chiroptera name .....*Hypsugo savii*
	b	First upper incisor bicuspid..... 23
23	a	Wing membrane with white margin. 24
	b	Wing membrane without white margin. 25
24	a	LC-M^3 more than 4.5 mm. Forearm 31 - 36 mm. .....*Pipistrellus kuhlii*
	b	LC-M^3 less than 4.5 mm. Forearm 29 - 33 mm.....*Pipistrellus deserti*
		African Chiroptera name .....*Pipistrellus kuhlii*
25	a	Ventral fur white. .....*Pipistrellus rueppelli*
		African Chiroptera name ..... *Pipistrellus rueppellii*
	b	Ventral fur brown. .....*Pipistrellus pipistrellus*

Appendix 5ao: Peterson et al. (1995). Faune de Madagascar: Chiroptères

1	a	Seconde phalange du troisième doigt à peu près trois fois plus longue que la première. Boîte crânienne haute et ronde (genus *Miniopterus*)..... 5
	b	Seconde phalange du troisième doigt pas particulièrement longue 2
2	a	Six dents génales (1), haut et bas, de chaque côté.....*Myotis*
	b	Moins de six dents génales, haut et bas, de chaque côté 3
3	a	Cinq dents génales, haut et bas, de chaque côté. Deux incisives supérieures de chaque côté.....*Pipistrellus*
	b	Quatre dents génales supérieures et cinq dents génales inférieures de chaque côté 4
4	a	Deux incisives supérieures de chaque côté.....*Eptesicus*
	b	Une incisive supérieure de chaque côté .....*Scotophilus*
5	a	Avant-bras mesurant plus de 46 mm (X = 48.4; 46.7 - 49.9) plus grande longueur de la tête dépassant 16.0 mm (X = 16.7; 16.1 - 17.0)..... *Miniopterus gleni*
	b	Avant-bras en général de moins de 46 mm; plus grande longueur de la tête inférieure à 16.0 mm en général 6
6	a	Avant-bras de plus de 40 mm 7
	b	Avant-bras de moins de 40 mm ..... *Miniopterus manavi*
7	a	Plus grande longueur du crâne pas inférieure à 15.0 mm (X = 15.5; 15.0 - 16.1). Avant bras X = 44.2 (41.8 - 46.6); M^3-M^3: X 6.5 (6.3 - 6.8)..... *Miniopterus majori*
	b	Plus grande longueur du crâne en général inférieure à 15.0 mm (X = 14.8; 14.5 - 15.1). Avant-bras X = 42.8 (40.7 - 44.4). M^3-M^3: X 5.9 (5.7 - 6.0) ..... *Miniopterus fraterculus*
8	a	Oreilles simples et séparées par un espace à leur base 9
	b	Oreilles naissant à peu près au même point ou réunies au-dessus du front..... 16
9	a	Palais échancré en avant; antitragus bas ou indistinct et plus large que long; fossettes du basisphénoïde absentes ou peu développées ; troisième commissure de M^3 égale ou plus longue que la seconde 10
	b	Palais non échancré en avant; antitragus bien développé, en général plus haut que large..... 12
10	a	Crâne très plat et large..... 11
	b	Crâne pas très plat; deux ou trois paires d'incisives inférieures une ou deux prémolaires supérieures..... *Mormopterus*
11	a	Avant-bras à granulations verruqueuses; glande gulaire avec des poils internes bien développés; une prémolaire supérieure; échancrure antérieure du palais étroite; processus lacrymal du rostre très large .....*Platymops* African Chiroptera name ..... *Sauromys*
	b	Avant-bras lisse; glande gulaire différente; rostre à naseaux développés et ouverture nasale courte; deux prémolaires supérieures; échancrure palatale antérieure large; processus lacrymal du rostre relativement étroit ..... *Sauromys*
12	a	Crâne et corps massifs; pelage absent sur presque tout le corps; pas de fossettes basisphénoidiennes; une paire d'incisives inférieures et de prémolaires supérieures .....*Cheiromeles*
	b	Crâne et corps non massifs; pelage normal..... 13
13	a	Fossettes du basisphénoïde profondes et bien développées; une paire d'incisives inférieures et de prémolaires supérieures.....*Myopterus*
	b	Fossettes du basisphénoïde absentes ou peu développées; une ou deux paires d'incisives et de prémolaires supérieures 14
14	a	Crâne aplati; troisième commissure de M^3 bien développée; deux paires d'incisives inférieures et de prémolaires supérieures; fossettes du basisphén6ide superficielles, mais bien marquées et circulaires ; incisives supérieures nettement écartées; mandibule à branche ascendante élevée et angle en cylindre allongé ; lèvres à rides ; avant-bras à granulations verruqueuses..... *Neoplatymops*
	b	Crâne pas aplati ; incisives supérieures contiguës; deux prémolaires supérieures; une ou deux incisives inférieures; pas de fossettes basisphénoidiennes, ou fossettes indistinctes, ou de contour elliptique; mandibule à branche ascendante plus basse et angle largement tronqué; lèvres lisses; avant-bras normal, sans granulations verruqueuses..... 15

15 a Une paire d'incisives inférieures, troisième conmissure de M^3 bien développée, à peu près égale à la moitié de la seconde palais nettement en dôme ; secondes phalanges des 3ème et 4ème doigts égales ou plus longues que la première ; oreilles à sommet allongé et pointu, unies à la tête par un pli mobile ..... *Molossops*

b Deux paires d'incisives inférieures ; troisième conmissure de M^3 très réduite; fossettes du basisphénoïde absentes ou indistinctement ovalaires (pas elliptiques); palais pas nettement bombé ; seconde phalange des troisième et quatrième doigts bien plus courts que la première; oreille à sommet arrondi et obtus sans pli mobile l'unissant à la tête..... *Cynomops*

16 a Oreilles longues, soudées à la base; pas d'antitragus; zygoma à saillie dorsale élevée; crâne allongé et relativement étroit; fossettes du basisphénoide très profondes et grandes..... *Otomops*

b Oreilles, zygoma et fossettes du basisphénoïde différents..... 17

17 a Crâne relativement épais et court à crête sagittale nette; lèvres lisses; oreilles relativement courtes; naissant à peu près au même point 18

b Crâne ni épais, ni court; antitragus relativement grand; fossettes du basisphénoide en général développées mais de taille et de forme variables; partie antérieure du palais ou fermée ou échancrée; troisième commissure de M^3 variable; deux ou trois paires d'incisives inférieures ..... *Eumops et/ou Tadarida*

18 a Deux paires de prémolaires supérieures; palais fortement bombé ..... *Promops*

b Une paire de prémolaires supérieures ; palais non fortement bombé ..... *Molossus*

Appendix 5ap: Bergmans (1997). Taxonomy and biogeography of African fruit bats (Mammallia, Megachiroptera).5. The genera Lissonycteris Andersen, 1912, Myonycteris Matschie, 1899 and megaloglossus Pagenstecher, 1.885; General remarks and conclusions; Annex: Key to all species

1 a Facial fur with contrastingly white patches on nose and behind eyes, and/or at anterior and posterior ear bases; three upper and live lower cheek teeth (in one species four or five upper, and five to six lower cheek teeth) 2
b No white facial fur patches or tufts at ear bases; five upper and six (in one species five) lower cheek teeth 18
2 a White fur patches on nose and behind eyes; in one species, white fur tufts also at ear bases 3
b White fur tufts at ear bases only 5
3 a Cheeks and lips conspicuously white; ear tips rather rounded; Fa MM 49 - 55, FF 54 - 64; weight MM 26, FF 28 - 34; finger joints contrastingly yellow; canines simple; forests of Cameroun and Zaïre ..... *Casinycteris argynnis*
b Cheeks and lips not conspicuously white; ears tips either rounded or slightly pointed; finger joints dark and Fa under 57, or finger joints contrastingly coloured and Fa over 70; canines simple or with extra cusp 4
4 a Finger joints as dark as wing membranes; ear tips rounded; Fa MM 45 - 55, FF 47 - 57; weight MM 16 - 24, FF 18 - 27; canines simple; forests of Liberia to East Zalre (discontinuous) ..... *Scotonycteris zenkeri*
b Finger joints whitish or yellowish; ears slightly pointed; Fa MM 74 - 79, FF 75 - 88; weight MM 65 - 71, FF 65 - 95; canines with second, inner cusp; locally in forests of Liberia, Ghana, Cameroun and Congo ..... *Scotonycteris ophiodon* African Chiroptera name ..... *Casinycteris ophiodon*
5 a White ear base tufts not very distinct; anterior end of muzzle truncated and with a fleshy plate (fig. 1); Fa MM 120 - 139, FF 111 - 128; weight MM 290 - 420, FF 207 - 302; no white shoulder tufts; forests, sometimes woodlands, of Sierra Leone to Uganda, southwards to Angola ..... *Hypsignathus monstrosus*
b White ear base tufts conspicuous; muzzle simple (fig. 2); Fa under 105; adult males with retractable white shoulder tufts (not known for Plerotes) 6
6 a Interfemoral membrane extremely narrow; calcar absent; cheek teeth reduced in height and width and variable in number: Four or five upper and five or six lower cheek teeth; woodlands of Angola, South Zaire, North Zambia; Fa 1 M 50, 2 FF 50 - 52.5; weight not known ..... *Plerotes anchietae*
b Interfemoral membrane relatively well developed (fig. 3); calcar present; cheek teeth not much reduced; three upper and five lower cheek teeth (very incidentally rudimentary extra teeth); Fa range variable 7
7 a Three thick palatal ridges in front, followed by five to eight thinner ridges (figs. 4 - 5); Fa over 75 8
b Five to nine thick ridges, followed by two to four thinner ridges; Fa variable 9
8 a Third ridge normally whole; thin ridges rather narrowly divided medially (posterior ones whole) and finely serrate (fig. 4); Fa MM 83 - 101, FF 76 - 97; weight MM 92 - 172, FF 61 - 130; Sierra Leone, eastern Ivory Coast to Uganda, southwards to Angola and Zambia ..... *Epomops franqueti*
b Third ridge normally divided medially; first four or five thin ridges clearly divided medially, irregularly serrate, each half generally with one large central projection pointing forward (5); posterior thin ridges undivided and more evenly serrated; Fa MM 88 - 103, FF 82 - 95; weight MM 133 - 198, FF 94 - 132; Guinea to Ghana, locally in Nigeria ..... *Epomops buettikoferi*
9 a Five thick palatal ridges; second ridge wide and indistinctly bifurcate at its extremities; fourth and fifth postdental, each with two large projections, often triangular and pointing forward; three to four thin, serrated ridges (fig. 6); Fa MM 84 - 94, FF 80 - 89; weight not known; woodlands of Central Angola, southeast Zaire, Zambia, Malawi and eastern Tanzania and Rwanda ..... *Epomops dobsonii* African Chiroptera name ..... *Epomophorus dobsonii*
b At least six thick palatal ridges; ridge pattern different 10

10 a Nine thick or partially thick ridges: three whole, the fourth narrowly divided in same specimens, the fifth to eighth or ninth medially notched with thick, prominent central portions and thin lateral parts; and three or four thin ridges (fig. 7); Fa MM 44 - 50, FF 45 - 54; weight MM 19 - 21, FF 23 - 27; forests and woodlands from Guinea to Central African Republic ..... *Nanonycteris veldkampii*

b At most six thick palatal ridges 11

11 a Six thick palatal ridges, one or two being postdental: first undivided, second to fourth either undivided or divided in the middle, fifth and sixth notched or narrowly divided; ridges never mutually fused 12

b Essentially six thick palatal ridges but fusions between second and third and sometimes others may obscure the picture; first ridge prominent and undivided, second and third either prominent or weak, fourth to sixth prominent; second to sixth palatal ridges divided by a deep, continuous median groove narrowing posteriorly 17

12 a Second to sixth ridges medially divided (fig. 8); Fa 2 MM 62.3 - 62.8, 1 F 65.8; weight not known; probably woodland, southern Congo, probably southern Zaire, and northern Angola ..... *Epomophorus grandis*

b Second to fourth ridge undivided 13

13 a Five thick palatal ridges interdental and only one clearly postdental (fig. 9); Fa MM 72.3 - 94.9, FF 67.7 - 87.5; weight MM 60 - 124, FF 54 - 125; woodlands of Angola, Congo, Gabon, Zaïre, Zambia, East Africa between 4 and 34 S ..... *Epomophorus wahlbergi*

b Four thick palatal ridges interdental, fifth and sixth postdental (fifth exceptionally partly interdental) 14

14 a Fourth thick palatal ridge clearly nearer third than fifth (fig. 10); Fa MM 85.2 - 93.9, FF 81.1 - 85.5; weight not known; woodlands West Angola and North Namibia ..... *Epomophorus angolensis*

b Fourth thick palatal ridge about halfway between third and fifth (fig. 11) 15

15 a Larger, on average; Fa MM 80.0 - 100.0, FF 75.0 - 94.8; weight MM 91 - 155, FF 56 - 130; mainly woodlands, from Senegal to Central African Republic, in Ethiopia, and East Africa south of Lake Tanganyika ..... *Epomophorus gambianus*

b Smaller, on average; Fa MM below 81, FF below 79; weight MM below 100, FF below 85 16

16 a Fa range in MM 66.7 - 80.3, in FF 64.8 - 78.3; weight MM 54 - 99, FF 51 - 81; mainly woodlands, northeast Nigeria, south Sudan to Eritrea and to northwest Tanzania; known from few localities in Congo, Malawi and southeast Kenya ..... *Epomophorus labiatus*
African Chiroptera name ..... *Epomophorus minor*

b Fa range in MM 57.0 - 68.9, in FF 54.1 - 67.6; weight MM 32 - 58, FF 25 - 62; mainly woodlands East Sudan, Ethiopia, Somalia, lower parts of Kenya to South Malawi ..... *Epomophorus minor*

17 a All six thick palatal ridges prominent (fig. 12); second and third ridges may be fused, occasionally also third and fourth; Fa MM 46 - 55, FF 49 - 56; weight MM 24 - 35, FF 20 - 34; woodlands Gambia to Ethiopia and West Kenyan border, southward to Central Angola and southeast Zaïre ..... *Micropteropus pusillus*

b Second and third palatal ridge weakly developed (apparently fused in part of the specimens) (fig. 13); Fa 1 M 58.1, 3 FF 57.2 - 63.6; weight not known; woodland and forest mosaic of western South Zaïre and adjoining Angola *Micropteropus intermedius*

18 a Fa MM 38 - 50, FF 38 - 49; weight MM 11 - 20, FF 13 - 21; no tail; tongue highly extensible, with pointed, densely papillate tip; cheek teeth extremely reduced in height and width; males with ventral collar of thick, whitish hairs; forests Liberia and Guinea to Uganda, southwards to Angola and southeast Zaïre ..... *Megaloglossus woermanni*

b Fa more than 55; tail present or absent; tongue not highly extensible, with rounded tip, not densely papillate; cheek teeth variable; males with or without collar but collar never whitish 19

19 a Short hut distinct external tail. 20

b No external tail 29

20 a Toes partially webbed (fig. 14); Fa range 54 - 90; length second digit 71 - 81 % of Fa; tibiae wholly or partly furred; MM with ruff of thick hairs; upper alveolar line with weak angle between third and fourth premolar (fig. 15); cheek teeth squarish or oblong (fig. 16); simplified palatal ridge pattern 7 + 2 (fig. 17) 21

b Toes not webbed; Fa 66 - 107; length second digit 64 - 71 % of Fa; tibiae practically naked or, when furred, in combination with laterally depressed cheek teeth (fig. 18); MM without ruff of thick hairs; upper alveolar line practically straight (fig. 19); cheek teeth oblong, laterally depressed in one species; simplified palatal ridge pattern 7 + 1 (fig. 20) 24

21 a Fa MM 68 - 88, FF 67 - 90; weight MM 60 - 97, FF 60 - 100; third metacarpal length 73 - 75 % of Fa; tibia length 42 - 46 % of Fa; tibia dorsally furred; P^4 and M^1 squarish in outline; two I_1 present; M_3 reduced but present; forests Guinea-Bissau to Central African Republic, southern Congo and northwestern Angola, and mountainous areas in eastern Central and East Africa from South Ethiopia to Zimbabwe and Mozambique ..... *Lissonycteris angolensis* African Chiroptera name ..... *Myonycteris angolensis*

b Fa 54 - 76; third metacarpal length 67 - 73 % of Fa; tibia length 36 - 43 % of Fa; distal quarter to third of tibia dorsally practically naked; P^4 and M^1 oblong in outline; two or one I_1, present; M_3 reduced or absent..... 22

22 a Fa 65 - 76; weight 1 M 48, 1 F 56; interfemoral membrane only furred near legs; simplified palatal ridge pattern 6 + 2 (possibly also 7 + 2); two I_1 present; M_3 absent; forests southeast Kenya, eastern Tanzania, East Zimbabwe..... *Myonycteris relicta*

b Fa 54 - 68; interfemoral membrane wholly furred; simplified palatal ridge pattern 7 + 2; either one or two I_1; M_3 reduced but normally present; West and Central Africa.... 23

23 a Fa 54 - 68; weight MM 27 - 51, FF 31 - 60; two I_1; C_1 at least as high as P_3; P_4 with fused inner and outer ridges (fig. 21); forests from Guinea to northeast Zaïre, southwards to northwest Angola and North Zambia ..... *Myonycteris torquata*

b Fa <= 62 - 65; weight not known; one lower incisor; C_1 lower than P_3; P_4 with inner and outer ridges widely and deeply separated (fig. 22); forests of Sao Tome ..... *Myonycteris brachycephala*

24 a Fa 66 - 107; weight MM below 180, FF below 165; back fur generally relatively dark brownish or reddish brown, never yellowish; back fur not sharply demarcated from wing membrane; tibiae practically naked or, if furred, in combination with reduced, laterally depressed cheek teeth; simplified palatal ridge pattern 7 + 1 (occasionally 8 + 1); wing inserted at first or second toe or in between 25

b Fa 109 - 134; weight MM above 200, FF above 175; back fur grizzled straw-yellow and hair-brown, closely adpressed, sharply demarcated from wing membrane, or, in combination with a Fa of over 120, greyish brown, more woolly, less adpressed and less sharply demarcated; cheek teeth never laterally depressed; simplified palatal ridge pattern 7 + 3; wing inserted at first toe 28

25 a Fa 85 - 107; tibia furred or naked..... 26

b Fa 66 - 77; tibia practically naked. 27

26 a Fa MM 85 - 94, FF 85 - 95; weight MM 102 - 140, FF 94 - 162; fur long, tibiae dorsally furred; wing insertion at second toe (occasionally between second and first); cheek teeth narrow, with widths of large premolars and molars half their lengths or slightly more; mostly above 1000 m in mountainous areas of southeast Ethiopia, South Sudan, East Zaire, Uganda, Kenya, Tanzania, Malawi ..... *Rousettus lanosus* African Chiroptera name ..... *Stenonycteris lanosus*

b Fa MM 85 - 107, FF 82 - 107 (southwest Asia: MM 85 - 95, Ff 79 - 92); weight MM 111 - 168, FF 100 - 155 (Asia: MM 98 - 128, FF not known); fur short, tibiae dorsally practically naked; wing insertion at first toe (occasionally between first and second); widths of large premolars and molars clearly larger than half their lengths; predominantly lowland areas in Egypt to Turkey and Pakistan, from Gambia to Cameroun, southwards to northwest Angola, including Guinea Gulf islands, and from Ethiopia to South Africa, including continental islands..... *Rousettus egyptiacus* African Chiroptera name ..... *Rousettus aegyptiacus*

27 a Fa MM 71 - 77, FF 70 - 75; weight not known; wings inserted at base of second toe; widths of large premolars and molars clearly larger than half their lengths; the Comoros ..... *Rousettus obliviosus*

b Fa MM 67 - 76, FF 66 - 77; weight MM 60 - 83, FF 44 - 61; wings inserted between first and second toe; width of premolars and molars half their lengths or only slightly more; Madagascar ..... *Rousettus madagascariensis*

28 a Fa MM 129 - 134, FF 122 - 130; weight MM 245 - 340, FF 220 - 330; fur rather long and woolly, light greyish brown; back fur colour not sharply demarcated from wing membrane; tooth rows only weakly diverging backwards; premaxillae proclivous, with a distinct space between I^2 and C^1 when viewed from lateral; P^4 and M^1 with thick inner ridge and distinct median grooves; M^2 wider than long; lower incisors forming a semicircle; P_4 with a rudimentary anterior and a distinct posterior inner cusp; M_1 with thick inner and outer ridges; Madagascar ..... *Eidolon dupreanum*

b Fa MM 109 - 131, FF 111 - 134; weight MM 212 - 311, FF 183 - 350; fur short, closely adpressed, grizzled straw-yellow and hair-brown; back fur colour sharply demarcated from wing membrane; tooth rows diverging backwards; hardly or no space between I^2 and C^1 when viewed from lateral; P^4 and M^1 with weak inner ridges and indistinct median grooves; M^2 longer than wide; lower incisors forming an almost straight row; P_4 without inner cusps; M_1 with thin inner and outer ridges; mainland Africa except deserts, and southwest Arabian Peninsula ..... *Eidolon helvum*

29 a Fa below 110; ear length c. 12, ear nearly concealed in fur; tibia dorsally furred; Mauritius, Reunion (extinct) ..... *Pteropus subniger*

b Fa more than 110; ear length more than 20 30

30 a Ear length usually 25 or more, ear subacutely pointed, well exposed; interfemoral membrane welldeveloped (up to about 15) in the middle 31

b Ear: either less than 25 long, pointed and largely concealed in the fur, or more than 25 long, rounded off and wellexposed; interfemoral membrane very narrow (some mm only) in the middle 34

31 a Larger: Fa MM 168 - 171, FF 153 - 168; ear length 35 - 38; back fur dark brown, without admixed lighter hairs; Madagascar ..... *Pteropus rufus*

b Smaller: Fa generally less than 164 in MM and than 159 in FF; ear length variable; back fur colour variable but in larger specimens, with Fa >= 145, blackish brown with admixed whitish and/or reddish brown hairs; not on Madagascar 32

32 a Smaller: Fa MM 133 - 141; proximal part of dorsal side of tibia thickly furred, fur thinning out on distal part; weight MM 257 - 395, weight FF not known; Aldabra atoll ..... *Pteropus aldabrensis*

b Larger: Fa 145 or more; dorsal side of tibia at most partly thinly haired hut essentially naked; weight MM 470 - 610, FF 430 - 600 33

33 a Fa MM 147 - 159, FF 151 - 155; ear length 29 - 37; fur of head golden yellowish or brownish yellow, fur of mantle golden yellowish or orange brown; weight MM 479 - 604, FF 450 - 508; Seychellen, Comoren, Mafia ..... *Pteropus seychellensis*

b Fa MM 149 - 164, FF 145 - 159; ear length 26 - 28; fur of head mainly dark brown or reddish orange-brown, fur of mantle reddish in appearance; weight MM 470 - 610, FF 430 - 600; Pemba ..... *Pteropus voelzkowi* African Chiroptera name ..... *Pteropus voeltzkowi*

34 a Large: Fa MM about 159 - 171, FF about 150 - 162; ear pointed, length c. 21, almost hidden in the long fur; back fur with a dark brown spinal track and buff on the sides; dorsal side of tibia furred; Mauritius, Reunion ..... *Pteropus niger*

b Either the same size or larger hut with exposed, rounded ear and dorsal side of tibia essentially naked, or much smaller, with Fa less than 140; back fur with out colour contrast 35

35 a Fa 161 - 172; ear semi-circular rounded off, exposed; ear length about 30; dorsal side of tibia essentially naked; Comoros ..... *Pteropus livingstonii*

b Fa MM 121 - 134, FF 123 - 129; ear pointed, almost hidden in the long fur; ear length about 22.5; dorsal side of tibia furred; weight MM 216 - 295, FF 204 - 306; Rodrigues, Round Island ..... *Pteropus rodricensis*

Appendix 5aq: Gharaibeh (1997). Systematics, distribution, and zoogeography of mammals of Tunisia.

1 a Muzzle with obvious nose leaf (extremely complex in some); ears separate, without a tragus and independently mobile; tail extends to edge of well developed interfemoral membrane; premaxillae fused medially but widely separated laterally and only fused posteriorly to the maxillae, resulting in a widely separated palatal branch (Family Rhinolophidae). 4

b Nose leaf absent (muzzle plain or with only a naked muscular pad surrounding the external nares); ears various (separate or joined at the bases) but immobile and with tragus present; tail various; premaxillae fused laterally and posteriorly to the maxillae and anteriorly they are fused (Molossidae and Rhinopomatidae) or separate (Vespertilionidae). 2

2 a Small interfemoral membrane with a long tail, almost the length of the head and body; muzzle with naked muscular pad surrounding external nares; ears joined at bases; rostrum with large swelling anterior to the orbits (Family Rhinopomatidae).*Rhinopoma hardwickei arabium*
African Chiroptera name .....*Rhinopoma cystops*

b Interfemoral membrane medium or long; tail equal in length to the interfemoral membrane or extending posteriorly no more than half of the length of the head and body; muzzle plain; ears free or joined at the bases; rostrum without large swelling anterior to the orbits. 3

3 a Interfemoral membrane medium (with a stout tail extending posteriorly about half the length of the head and body); ears deeply folded and heavy (depressed) in appearance, usually joined at base, and with a low tragus; premaxillae and maxillae fused into a solid structure (Family Molossidae). ..... *Tadarida teniotis teniotis*
African Chiroptera name .....*Tadarida teniotis*

b Long interfemoral membrane with tail that extends only to (or slightly beyond) its posterior edge; ears usually mouse-like (large, upright, thin) and separate; tragus generally prominent; premaxillary gap present at anterior edge of palate, resulting in gap between upper incisors (Family Vespertilionidae). 9

4 a Posterior plate of noseleaf triangular and with erect, pointed tip; digits (except hallux) with three phalanges; tail short; three lower incisors on each side (dental formula $^{1}/_{3}$ $^{1}/_{1}$ $^{1 \text{ or } 2}/_{3}$ $^{3}/_{3}$) (genus *Rhinolophus*). 5

b Posterior plate of nose leaf elliptical; all digits of foot with two phalanges; two lower premolars on each side (dental formula $^{1}/_{1}$ $^{1}/_{1}$ $^{2}/_{2}$ $^{3}/_{3}$). .....*Asellia tridens tridens*
African Chiroptera name .....*Asellia tridens*

5 a Size small; forearm less than 40 mm, weight less than 6 g; greatest length of skull less than 17 mm. .....*Rhinolophus hipposideros escalerae*
African Chiroptera name .....*Rhinolophus hipposideros*

b Size larger; forearm more than 44 mm, weight more than 6 g; greatest length of skull more than 17 mm. 6

6 a Size large; forearm more than 50 mm, weight more than 14 g; from the side view the portion of the connective at the dorsal edge of the sella low and rounded; greatest length of the skull 19 - 22 mm. .....*Rhinolophus ferrumequinum ferrumequinum*
African Chiroptera name .....*Rhinolophus ferrumequinum*

b Size medium; forearm less than 50 and more than 44 mm; weight less than 12 g. . 7

7 a Second (distal) phalanx of digit IV long (more than twice the length of the first phalanx); margins of sella wedge-shaped; occlusal surface of second and third lower premolars approximately equal; greatly depressed saddle between parietal and occipital, making marked separation of occipital region from the rest of the skull. .....*Rhinolophus blasii blasii*
African Chiroptera name .....*Rhinolophus blasii*

b Second (distal) phalanx of digit IV short (less than twice the length of the first); sides of sella parallel; occlusal surface of second lower premolar markedly less than third; parietal-occipital saddle much less developed. 8

8 a Posterior lance of noseleaf gradually tapered; forearm generally 45 - 50 mm. .....*Rhinolophus euryale barbarus*
African Chiroptera name .....*Rhinolophus euryale*

	b	Posterior lance of noseleaf with strongly concave borders; forearm generally 48 - 51 mm.....*Rhinolophus mehelyi tuneti* African Chiroptera name .....*Rhinolophus mehelyi*
9	a	In third digit, second phalanx about 3 times length of first; skull high and rounded, with braincase rising abruptly from rostrum (genus *Miniopterus*)... *Miniopterus schreibersi schreibersi* African Chiroptera name ..... *Miniopterus schreibersii*
	b	In third digit, second phalanx subequal to first; brain-case not markedly inflated... 10
10	a	Ears joined at base, extremely long (almost as long as forearm); five upper and six lower cheek teeth (dental formula $^{2}/_{3}$ $^{1}/_{1}$ $^{2}/_{3}$ $^{3}/_{3}$) (genus *Plecotus*). *Plecotus austriacus aegyptius* African Chiroptera name ..... *Plecotus christii*
	b	Ears not joined at base, generally short, and never much more than half the length of the forearm; cheek teeth varied in number but never $^{5}/_{6}$..... 11
11	a	Ears more than half length of forearm; one upper incisor (dental formula $^{1}/_{3}$ $^{1}/_{1}$ $^{1}/_{2}$ $^{3}/_{3}$) (genus *Otonycteris*).....*Otonycteris hemprichi hemprichi* African Chiroptera name .....*Otonycteris hemprichii*
	b	Ears less than half the length of forearm; two upper incisors. 12
12	a	Tragus high and pointed; six upper and six lower cheek teeth (dental formula $^{2}/_{3}$ $^{1}/_{1}$ $^{3}/_{3}$ $^{3}/_{3}$) (genus *Myotis*). 14
	b	Tragus short and rounded; fewer than six upper and six lower cheek teeth. 13
13	a	Length of forearm more than 45 mm; four upper cheek teeth (dental formula $^{2}/_{3}$ $^{1}/_{1}$ $^{1}/_{2}$ $^{3}/_{3}$) (genus *Eptesicus*).....*Eptesicus serotinus isabellinus* African Chiroptera name .....*Eptesicus isabellinus*
	b	Length of forearm less than 45 mm; five upper cheek teeth (dental formula $^{2}/_{3}$ $^{1}/_{1}$ $^{2}/_{2}$ $^{3}/_{3}$) (genus *Pipistrellus*).....*Null*
14	a	Size large; forearm more than 53 mm; condylobasal length more than 18.6 mm; upper tooth row more than 8.2 mm. .....*Myotis blythii oxygnathus*
	b	Size smaller; forearm less than 52 mm; condylobasal length less than 18.6 mm; upper tooth row less than 8.2 mm. 15
15	a	Posterior margin of ear with deep, angular emargination; forearm more than 36 mm; condylobasal length more than 14.0 mm. .....*Myotis emarginatus emarginatus* African Chiroptera name .....*Doryrhina cyclops*
	b	Posterior margin of ear with shallow, inconspicuous emargination; forearm less than 36 mm; condylobasal length less than 14.0 mm. .....*Myotis capaccinii capaccinii* African Chiroptera name .....*Myotis capaccinii*
16	a	Tragus wide, greatest width equal to half of length of anterior border.*Pipistrellus savii ochromixus* African Chiroptera name .....*Hypsugo savii*
	b	Tragus narrow, greatest width much less than half of length of anterior border..... 17
17	a	Size larger, forearm greater than 32 mm; wing generally with narrow to wide white posterior border; outer upper incisor less than half of the height of the inner. .....*Pipistrellus kuhli kuhli* African Chiroptera name .....*Pipistrellus kuhlii*
	b	Size smaller, forearm less than 30; wing generally without white border; outer upper incisor more than half the height of inner. .....*Pipistrellus pipistrellus mediterraneus*

Appendix 5ar: Bouchard (1998). Chaerephon pumilus

1	a	Ears conjoined 2
	b	Ears separated 6
2	a	Ears conjoined by triangular lappet of skin 3
	b	Ears conjoined by unstructured band of skin 5
3	a	Large paired nasal inflations; length of forearm 37 - 39 mm.... *Chaerephon gallagheri*
	b	No nasal inflations; length of foreram 42 - 50 mm 4
4	a	Color uniformly brown with white belly stripe; lack of well defined interaural pocket; length of forearm 42 - 44 mm ..... *Chaerephon major*
	b	Color blackish brown dorsally and no white stripe ventrally; well defined interaural pocket; length of forearm 46 - 50 mm ..... *Chaerephon johorensis*
5	a	Color uniformly brown; length of forearm 48 - 54 mm..... *Chaerephon jobensis*
	b	Color dark brown dorsally and lighter ventrally; length of forearm 40 - 50 mm ..... *Chaerephon plicata*
6	a	Size larger, length of forearm 42 - 52 mm..... 7
	b	Size smaller, length of forearm 34 - 42 mm 12
7	a	Paired caudal glands opening as slits on either side od tail root below; length of forearm 46 - 47 mm..... *Chaerephon bemmeleni*
	b	Without such glands; length of forearm 42 - 52 mm 8
8	a	White spots, stripes, or lateral bands 9
	b	Without white marks 10
9	a	Color umber brown with variable pattern of white spots or short stripes arranged laterally on crown and sometimes also on shoulders and flanks; length of forearm 46 - 51 mm..... *Chaerephon bivittata* African Chiroptera name ..... *Chaerephon bivittatus*
	b	Conspicuous white lateral band balosw, along flanks at junction with membrane, contrasting with very dark brown color above and below; length of forearm 44 - 50 mm ..... *Chaerephon nigeriae* African Chiroptera name ..... *Chaerephon nigeriae nigeriae*
10	a	Color umber brown, top of head, neck and throat darker, almost black; length of forearm 46 - 48 mm..... *Chaerephon ansorgei*
	b	Color uniformly russet brown; length of forearm 42 - 52 mm..... 11
11	a	Length of forearm 42 - 46 mm..... *Chaerephon russata* African Chiroptera name ..... *Chaerephon russatus*
	b	Length of forearm 50 - 52 mm..... *Chaerephon aloysiisabaudiae*
12	a	Length of forearm 34 - 39 mm; males with long (13 - 14 mm) bicolored postaural crest (dark basally, pale apically); light wings; color below light with whitish band down to the mid-belly ..... *Chaerephon chapini*
	b	Length of forearm 37 - 42 mm; males with short (<= 10 mm) unicolored postaural crest; wings dark or light; color below variable, with or without white on the median area ..... *Chaerephon pumilus*

Appendix 5as: Colket and Wilson (1998). Taphozous hildegardeae

1	a	Frontal region of skull only weakly concave. Rump and pygal areas at least partly naked. Occipital "helmet" on skull more or less developed (Subgenus *Liponycteris*) 2
	b	Frontal region of skull strongly concave. Rump and pygal areas well haired. No occipital "helmet" on skull (Subgenus *Taphozous*) 3
2	a	Small (forearm length 61 - 69 mm). A slight but definite concavity in the frontal region. Hairless rump and pygal areas relatively small. Occipital "helmet" of skull poorly developed ..... *Taphozous hamiltoni*
	b	Larger (forearm length 66 - 79 mm). Frontal concavity virtually absent. Hairless rump and pygal areas relatively large. Occipital "helmet" well developed ..... *Taphozous nudiventris*
3	a	Gular sac present 4
	b	Gular sac absent 8
4	a	Distinctive color pattern, grizzled gray dorsally and white ventrally ..... *Taphozous mauritianus*
	b	Color uniform dorsally and only slightly paler, if at all, ventrally 5
5	a	Basisphenoid pits broad 6
	b	Basisphenoid pits narrow or medium in width 7
6	a	Size medium (forearm length 63 - 67 mm). Anterior ventral mandibular emargination strong. Australia and New Guinea ..... *Taphozous australis* African Chiroptera name ..... *Taphozous perforatus sudani*
	b	Size relatively small (forearm length 55 - 62 mm). Anterio ventral mandibular emargination weak. SE Asia ..... *Taphozous longimanus*
7	a	Size larger (forearm length 63 - 72 mm). Anterior ventral mandibular emargination strong ..... *Taphozous hilli*
	b	Size smaller (forearm length 58 - 63 mm). Anterior ventral mandibular emargination weak ..... *Taphozous kapalgensis*
8	a	Blackish or reddish beard-like throat patch variably developed in males 9
	b	No differentiated throat patch present 11
9	a	Size relatively large (forearm length 69 - 73 mm) ..... *Taphozous theobaldi*
	b	Size medium (forearm length 60 - 70 mm) 10
10	a	Braincase relatively broad. Fur relatively pale in color. Africa *Taphozous hildegardeae*
	b	Braincase relatively slender. Fur relatively dark in color. SE Asia ..... *Taphozous melanopogon*
11	a	Size relatively large (forearm length, 70 - 75 mm) ..... *Taphozous troughtoni*
	b	Size medium (forearm length 57 - 71 mm) 12
12	a	Smaller (forearm length 57 - 67 mm), ears relatively short (17 - 20 mm). Africa and Asia ..... *Taphozous perforatus*
	b	Larger (forearm length 64 - 71 mm), ears longer (21 - 22 mm). Australia .. *Taphozous georgianus*

Appendix 5at: Owen-Ashley and Wilson (1998). Micropteropus pusillus

1 a Size smaller, length of forearm 46.4 - 55.7 mm; greatest length of skull 26.8 - 31.0 mm; halves of palatal ridges 4 - 6 united to ridge 3 and to each other ..*Micropteropus pusillus*

b Size larger, length of forearm 57.2 - 63.6 mm; greatest length of skull 32.0 - 33.3 mm; halves of palatal ridges 4 - 6 separated .....*Micropteropus intermedius*

Appendix 5au: Taylor (1998). The smaller mammals of KwaZulu-Natal.

1	a	Tail reduced or absent; face dog-like; second digit ending in claw; cheekteeth simple without well developed cups pattern (Suborder Megachiroptera) 2
	b	Tail well developed; face not dog-like; second digit not ending in claw; cheekteeth forming well developed cusp pattern 4
2	a	Ears with white basal tufts; no tail (genus *Epomophorus*) .... *Epomophorus wahlbergi wahlbergi* African Chiroptera name ..... *Epomophorus wahlbergi*
	b	Ears without white basal tufts; reduced tail 3
3	a	Forearm generally 110 - 130 mm; colour generally tawny, with dorsal fur restricted to a narrow median band, sharply demarcated from naked wing membranes (genus *Eidolon*) ..... *Eidolon helvum helvum*
	b	Forearm 65 - 102 mm; ruff of stiff hair present or absent on lower neck of adult males (genus *Rousettus*) ..... *Rousettus aegyptiacus leachii* African Chiroptera name ..... *Rousettus aegyptiacus*
4	a	Terminal portion of tail projecting past edge of inter-femoral mebrane 5
	b	Tail almost entirely enclosed within interfemoral membrane 10
5	a	Free terminal portion of tail emerges above middle of upper surface of membrane (family Emballonuridae; genus *Taphozous*) ..... *Taphozous mauritianus*
	b	Free terminal portion of tail projectds considerably beyond hind margin of membran (family Molossidae) 6
6	a	Size very large, forearm 62 - 73 mm; ears very large, 38 - 40 mm, conjoined on extended snout; conspicuous bicoloured dorsal coat with pale neck colar (genus *Otomops*) ..... *Otomops martiensseni icarus*
	b	Size smaller, forearm less than 60 mm; ears smaller; dorsl coat not bicoloured 7
7	a	Size small, forearm 36 - 39 mm (genus *Chaerephon*) 8
	b	Size larger; forearm greater than 40 mm 9
8	a	Anterior palatal emargination well developed, extending beyond upper incisors, and including area of incisive foramina; third commissure of last upper molar well developed, almost as long as second commissure ..... *Chaerephon ansorgei*
	b	Anterior palatal emargination greatly reduced, not extending behind upper incisors and separated from incisive foramina by a bony bar, third commissure much less developed than second ..... *Chaerephon pumila* African Chiroptera name ..... *Chaerephon pumilus*
9	a	Size smaller, forearm 45 - 50 mm; colour dark above and paler below, paler band in front of shoulders (genus *Mops*) ..... *Mops condylurus condylurus* African Chiroptera name ..... *Mops (Mops) condylurus*
	b	Size larger, forearm 46 - 54 mm; colour dark sooty-brown almost black aboven same colour or a shape paler below, no band in front of shoulders (genus *Tadarida*) *Tadarida aegyptiaca aegyptiaca*
10	a	Muzzle with nose-leaves or deep central slit 11
	b	Muzzle without nose-leaves or deep central slit (family Vespertilionidae) 20
11	a	Muzzle with deep, central longitudinal slit (family Nycteridae; genus *Nycteris*) 12
	b	Face without slit, but with well-developed nose-leaves covering muzzle 13
12	a	Upper icisors trifid; tragus falciform or semilunate; ears smaller, 25 mm or less *Nycteris hispida villosa* African Chiroptera name ..... *Nycteris hispida*
	b	Upper incisors bifid; tragus pyriform; ears elongated, 28 - 37 mm ... *Nycteris thebaica capensis* African Chiroptera name ..... *Nycteris thebaica*
13	a	Posterior leaflet of noseleaf with upper edge either ellipical in outline or tridentate (three-pronged) (family Hipposideridae) 19
	b	Posterior leaflet of noseleaf triangular with erect, pointed tip (family Rhinolophidae; genus *Rhinolophus*) 14
14	a	Anterior upper premolar, when present external to toothrow; canine and fourth upper premolar in contact; connecting process bluntly pointed 15
	b	Anterior upper premolar in toothrow; canine and fourth upper premolar not in contact; connecting process blunt or sharply pointed 16

15 a Forearm 50 - 57 mm..... *Rhinolophus clivosus zuluensis*
African Chiroptera name ..... *Rhinolophus clivosus*
b Forearm 45 - 50 mm..... *Rhinolophus darlingi darlingi*
African Chiroptera name ..... *Rhinolophus darlingi*
16 a Connecting process rises to an erect point; inter-pterygoid groove usually shallow, not clearly defined by bordering ridges; anterior upper premolar usually not crowded between canine and fourth upper premolar, longer than wide..... 17
b Connecting process with low, bluntly pointed tip; inter-pterygoid groove deep and clearly defined by bordering ridges; anterior upper premolar usually crowded between canine and fourth upper premolar, at least as wide as it is long..... 18
17 a First phalanx of fourth finger notably shortened in relation to metacarpal length; connecting process pointed, molar width less than half width of palate between molars ..... *Rhinolophus landeri lobatus*
African Chiroptera name ..... *Rhinolophus lobatus*
b First phalanx of fourth finger not notably shortened in relation to metacarpal length; connecting process rises to a high narrow horn, molar width more than half width of palate between molars ..... *Rhinolophus blasii empusa*
African Chiroptera name ..... *Rhinolophus blasii*
18 a Sella broader; ears longer, 20 - 22 mm; condylocanine length more than 15.5 mm ..... *Rhinolophus simulator*
b Sella narrower; ears shorter, 18 - 20 mm; condylocanine length less than 15.5 mm ..... *Rhinolophus swinnyi*
19 a Posterior leaflet of noseleaf with upper edge elliptical in outline; size larger, forearm greater than 40 mm (genus *Hipposideros*)..... *Hipposideros caffer caffer*
African Chiroptera name ..... *Hipposideros caffer*
b Posterior leaflet of noseleaf with tridentate shape; size smaller, forearm 31 - 35 mm (genus *Cloeotis*) ..... *Cloeotis percivali australis*
African Chiroptera name ..... *Cloeotis percivali*
20 a Second phalanx of third digit about three times as long as first (subfamily Miniopterinae; genus *Miniopterus*) 21
b Second phalanx of third digit not especially elongated 22
21 a Forearm 42 - 44 mm; skull length c. 14 mm; colour brownish-black and/or russet ..... *Miniopterus fraterculus*
b Forearm 42 - 47 mm; skull length c. 15 mm; colour slaty-black *Miniopterus schreibersii natalensis*
African Chiroptera name ..... *Miniopterus natalensis*
22 a Ears not funnel-shaped, withou deep emargination below tip; tragus not sharply pointed; braincase not high and rounded (subfamily Vespertilioninae) 23
b Size smaller, forearm 30 - 36 mm; skull < 13.5 mm, colour brownish or greyish-brown above, sometimes lightly grizzled with greyish-white or white, and brown or greyish-brown to greyish-white or white below ..... *Kerivoula lanosa lucia*
African Chiroptera name ..... *Kerivoula lanosa*
23 a Six upper, six lower cheekteeth on each side (genus *Myotis*) 24
b Fewer than six upper and six lower cheekteeth 25
24 a Size larger, forearm over 52 mm..... *Myotis (Chrysopteron) welwitschii*
African Chiroptera name ..... *Myotis welwitschii*
b Size smaller, forearm under 52 mm ..... *Myotis (Selysius) tricolor*
African Chiroptera name ..... *Myotis tricolor*
25 a Five upper, five lower cheekteeth; two upper incisors on each side (genus *Pipistrellus*) 26
b Four upper, five lower cheekteeth; one or two upper incisors on each side..... 28
26 a Outer upper incisor more than half length of inner upper incisor; forehead strongly concave; upper canine and posterior upper premolar separated by a gap through which anterior upper premolar can be clearly seen rising above cingula of adjoining teeth; interdental palate clearly longer than broad..... *Pipistrellus (Pipistrellus) nanus nanus*
African Chiroptera name ..... *Neoromicia nana*

b Outer upper incisor less than half length of inner upper incisor; forehead usually flat or weakly concave; upper canine and posterior upper premolar in contact or barely separatedn anterior upper premolar seen from the side only with difficulty; usually not rising above cingula of adjoining teeth; interdental palate not clearly longer than broad 27

27 a Posterior upper incisor barely extending beyond cingulum of anterior upper incisor; anterior upper premolar a pointed tooth rising above cingulum of canine but not above cingulum of posterior upper premolar; maxillary toothrow more than 4.5 mm*Pipistrellus (Pipistrellus) kuhlii broomi*
(This should be *Pipistrellus hesperidus*. See Kock (2001))
African Chiroptera name ..... *Pipistrellus hesperidus*

b Posterior upper incisor extending well beyond cingulum of anterior upper incisor; anterior upper premolar a flat-crowned tooth completely cingulum of adjoining teeth; maxillary toothrow less than 4.5 mm ..... *Pipistrellus (Pipistrellus) anchietai*
African Chiroptera name ..... *Hypsugo anchietae*

28 a Two upper incisors on each side 29

b One upper incisor on each side 34

29 a Rostrum very short and broad; braincase very high, more than two thirds of condylobasal length; consipicuous reticulation of wing membranes (genus *Chalinolobus*) ..... *Chalinolobus variegatus variegatus*
African Chiroptera name ..... *Glauconycteris variegata*

b Rostrum not shortended; braincase not elevated; no wing pattern 30

30 a Ears 18 mm or more, about half length of forearm (genus *Laephotis*) *Laephotis wintoni*

b Ears less than 18 mm, much less than half length of forearm (genus *Eptesicus*) .. 31

31 a Wing membranes white or translucent ..... *Eptesicus rendalli*
African Chiroptera name ..... *Neoromicia rendalli*

b Wing membranes dark 32

32 a Size larger, forearm more than 40 mm, inner upper incisors unicuspid .....*Eptesicus hottentotus bensoni*
African Chiroptera name ..... *Eptesicus hottentotus*

b Size smaller, forearm less than 40 mm, inner upper incisors bicuspid 33

33 a Dorsal colour paler; wing membranes edged with white; dorsal fur up to 8 mm longe; forearm 30 - 32 mm; condylobasal length less than 11.9 mm; skull lacking posterior occipital 'helmet' ..... *Eptesicus zuluensis*
African Chiroptera name ..... *Neoromicia zuluensis*

b Dorsal colour darker; wing membranes not edged with white; dorsal fur not more than 5 mm long; forearm 29 - 35 mm; condylobasal length more than 11.9 mm; skull with posterior occipital 'helmet' ..... *Eptesicus capensis capensis*
African Chiroptera name ..... *Neoromicia capensis*

34 a Size larger, forearm greater than 46 mm; first and second upper molars with W-pattern obsolescent; tragus long and tapering (genus *Scotophilus*) 35

b Size smaller, forearm less than 46 mm; first andsecond upper molars with normal W-pattern; tragus either sickle-shaped or short and broad 36

35 a Forearm 50 - 65 mm; skull length 20 - 23 mm .....*Scotophilus dinganii dinganii*
African Chiroptera name ..... *Scotophilus dinganii*

b Forearm 43 - 50 mm; skull length 16 - 19 mm ..... *Scotophilus viridis*

36 a Wings dark-coloured; skull with rostrum not broadened; palatal emargination narrow; anterior lower premolar about half the crown area of the next premolar; upper canines with rounded anterior surface; tragus halfmoon-shaped; penis not enlarged; forearm 29 - 33 mm (genus *Nycticeius*) .....*Nycticeius schlieffenii australis*
African Chiroptera name ..... *Nycticeinops schlieffenii*

b Wings pale-coloured; skull with rostrum notably broadened, particularly across lachrymals; palatal emargination broader; lower premolars equal in crown area; upper canines with broad, flat anterior surface; tragus short and broad; penis greatly lengthened; forearm 28 - 38 mm (genus *Scotoecus*).....*Scotoecus albofuscus woodi*
African Chiroptera name ..... *Scotoecus albofuscus*

Appendix 5av: Dunlop (1999). Mops midas

1	a	Anterior palatal emargination present, anterior upper premolar moderately to relatively large (subgenus *Xiphonycteris*)..... 2
	b	Anterior palatal emargination largely closed, anterior upper premolar absent or greatly reduced (subgenus *Mops*)..... 6
2	a	Forearm < 32 mm; M^3 without third commissure 3
	b	Forearm > 32 mm; M^3 with short but distinct commissure 4
3	a	Canines with enlarged cingula, upper incisors not projecting in front of anterior face of canine cingula; length of skull 14.0 - 16.8 mm .....*Mops spurrelli* African Chiroptera name .....*Mops (Xiphonycteris) spurrelli*
	b	Canines without enlarged cingula; upper incisors projecting in front of anterior face of canine cingula; length of skull 15.0 - 17.5 mm .....*Mops nanulus* African Chiroptera name .....*Mops (Xiphonycteris) nanulus*
4	a	Forearm < 35 mm; length of skull 15.8 - 17.8 mm .....*Mops petersoni* African Chiroptera name ..... *Mops (Xiphonycteris) petersoni*
	b	Forearm >= 35 mm; length of skull 17.2 - 20.6 mm 5
5	a	Wing inserts high on back; dorsal pelage restricted to top of back; basisphenoid pits deep and rounded laterally with septum between nearly parallel .....*Mops thersites* African Chiroptera name .....*Mops (Xiphonycteris) thersites*
	b	Wing inserts lower on sides of body; dorsal pelage not restricted to top of back; basisphenoid pits shallow and long oval shped iwth septum between narrowing anteriorly.....*Mops brachypterus* African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*
6	a	Forearm > 50 mm..... 7
	b	Forearm < 50 mm..... 9
7	a	Skull length >= 26 mm.....*Mops midas* African Chiroptera name .....*Mops (Mops) midas*
	b	Skull length < 26 mm..... 8
8	a	Ears joined at base..... *Mops congicus* African Chiroptera name ..... *Mops (Mops) congicus*
	b	Ears separated at base .....*Mops trevori* African Chiroptera name ..... *Mops (Mops) trevori*
9	a	Forearm < 41 mm..... *Mops demonstrator* African Chiroptera name .....*Mops (Mops) demonstrator*
	b	Forearm 41 - 51 mm..... 10
10	a	Anterior upper premolar vestigial but present ..... *Mops condylurus* African Chiroptera name .....*Mops (Mops) condylurus*
	b	Anterior upper premolar absent 11
11	a	Size relatively small (forearm 39 - 45 mm); C-M^3 6.2 - 6.9 mm .....*Mops sarasinorium*
	b	Size medium (forearm 43 - 48); C-M^3: 7.0 - 7.7 mm .....*Mops mops*

Appendix 5aw: Gray et al. (1999). Nycteris thebaica

1	a	Posterior lower premolar small; its tip reaching about to cingulum of anterior premolar; no marked concavity at center of posterior margin of tragus 2
	b	Posterior lower premolar large; its height about equal to that of anterior cusp of first molar; marked concavity at center of posterior margin of tragus 11
2	a	Upper incisors trifid; tragus small (*hispida* group) 3
	b	Upper incisors bifid; tragus large 6
3	a	Size very large; forearm 51.6 - 64.5 mm; greatest length of skull 23.3 - 27.5 mm; only occurring in central and western African rainforests and in eastern African coastal forests ..... *Nycteris grandis*
	b	Size moderate; forearm 32.8 - 44.5 mm; greatest length of skull 15.3 - 18.4 mm; occurring in central and western African rainforests, eastern African coastal forests, and savanna areas 4
4	a	Occurring in northeastern and eastern African savannas and coastal forests of eastern Africa 5
	b	Occurring in the central and western African rainforests and savanna areas *Nycteris hispida*
5	a	Size slightly larger; forearm 37.3 - 44.5 mm; condylobasal length 14.6 - 15.9 mm; maxillary toothrow 5.7 - 6.2 mm; mandibular toothrow 6.4 - 7.5 mm .... *Nycteris aurita*
	b	Size slightly smaller; forearm 34.8 - 43.4 mm; condylobasal length 13.2 - 15.0 mm; maxillary toothrow 4.8 - 5.8 mm; mandibular toothrow 5.4 - 6.6 mm .. *Nycteris hispida*
6	a	Tragus with squared or flattened top (*macrotis* group) 7
	b	Tragus inverted pear shaped or pyriform (*thebaica* group) 8
7	a	Forearm 36.1 - 41.9 mm; condylobasal length 14.0 - 16.1 mm; very rare species; scarce records from Cameroon, Ethiopia, Zambia, and Zanzibar ..... *Nycteris woodi*
	b	Forearm 39.9 - 54.8 mm; condylobasal length 16.4 - 19.6 mm; common species in rain forest and savanna areas of western, eastern and northeastern Africa .. *Nycteris macrotis*
8	a	Occurring in west African savanna areas 9
	b	Occurring over the remaining part of Africa, south of the Sahara, along the Nile River, on the Arabian Peninsula and Morocco 10
9	a	Size slightly larger; forearm 39.2 - 47.4 mm; condylobasal length 15.8 - 17.5 mm; mandibular length 11.8 - 13.2 mm; mandibular toothrow 6.2 - 7.4 mm; length of metacarpus of third finger 28.9 - 36.1 mm; length of tibia 20.3 - 24.9; the following combination of measurements > 21.7: (1.153 x length of maxillary toothrow + 0.187 x width across the upper canines + 0.557 x width across posterior upper molars + 0.657 x mandibular length + 0.395 x length of mandibular toothrow) ..... *Nycteris thebaica*
	b	Size slightly smaller; forearm 35.1 - 44.0 mm; condylobasal length 14.2 - 16.5 mm; mandibular length 10.4 - 12.2 mm; mandibular toothrow 4.6 - 6.9 mm; length of metacarpus of third finger 26.4 - 32.1; length of tibia: 17.0 - 22.3 mm; the following combination of measurements < 21.7: (1.153 x length of maxillary toothrow + 0.187 x width across the upper canines + 0.557 x width across posterior upper molars + 0.657 x mandibular length + 0.395 x length of mandibular toothrow) .... *Nycteris gambiensis*
10	a	Forearm 32.3 - 50.0 mm; condylobasal length 15.1 - 18.7 mm; common species with wide distribution ..... *Nycteris thebaica*
	b	Forearm > 50.0 mm; condylobasal length > 19.5 mm; very rare species, only known from the type ad paratype from Zinave, Mozambique ..... *Nycteris vinsoni*
11	a	Upper incisors bi- or tricuspid; occurs in the southeastern Asian forest areas (javanica group) 12
	b	Upper incisors bicuspid; occurs in the African forest areas (arge group) 13
12	a	Forearm 41.5 - 50.4 mm; greatest length of skull 19.1 - 20.6 mm; length of mandibula 13.0 - 14.6 mm; upper incisors dominantly tricuspid; limited to Java and Sumatra ..... *Nycteris javanica*
	b	Forearm 56.7 - 52.8 mm; greatest length of skull 21.0 - 22.9 mm; length of mandibula 14.8 - 16.4 mm; upper incisors dominantly bicuspid; occurring on Borneo and Malaysian Peninsula ..... *Nycteris tragata*
13	a	Size smallest; forearm 31.7 - 37.0 mm; condylobasal length 12.8 - 14.0 mm; zygomatic width 8.4 - 9.4 mm; width of braincase 6.5 - 7.4 mm; length of mandibula 9.2 - 10.7 mm ..... *Nycteris nana*

b Size larger; forarm 33.7 - 48.5 mm; condylbasal length 14.6 - 18.8 mm; zygomatic width 10.0 - 12.6 mm; width of braincase 7.3 - 9.0 mm; length of mandibula 10.1 - 15.9 mm..... 14

14 a Size largest; forearm 44.0 - 48.5 mm; greatest length of skull 20.2 - 21.7 mm; length of mandibula 13.8 - 15.9 mm; length of metacarpus of third finger 33.3 - 35.8 mm; length of metacarpus of fourth finger 36.2 - 37.7 mm; very rare species, with some scattered records from the western and central African rainforest ..... *Nycteris major*

b Size intermediate; forearm 33.7 - 46.8 mm; greatest length of skull 15.4 - 20.3 mm; length of mandibula 10.1 - 14.2 mm; length of metacarpus of fourth finger 28.0 - 37.0 mm; fairly common in the western and central African rainforest 15

15 a Slightly smaller; forearm length 33.7 - 38.0 mm; greatest length of skull 15.4 - 18.3 mm; condylobasal length 14.6 - 15.7 mm; length of mandibula 10.1 - 12.6 mm; occurring in the coastal areas of western Africa, Cameroon, Gabon, northeastern Democratic Republic of Congo (formerly Zaire), and northeastern Angola .... *Nycteris intermedia*

b Slightly larger; forearm length 35.4 - 46.8 mm; greatest length of skull 18.0 - 20.3 mm; condylobasal length 15.4 - 18.0 mm; length of mandibula 12.1 - 14.2 mm; commonest species of the group, occurring over the entire western and central African rainforest area ..... *Nycteris arge*

Appendix 5ax: Kwiecinski and Griffiths (1999). Rousettus egyptiacus

1 a Wing membrane (plagiopatagium) attached to second toe of foot 2
b Wing membrane (plagiopatagium) attached to first toe of foot (subgenus *Rousettus*) 3
2 a Braincase strongly deflected ventrally from a line drawn along the axis of the rostrum; premaxillaries not fused to each other; pm^1 much larger in bulk than lower incisor; molars very narrow (width about one-half the length); antitragus of ear obsolete; forearm 84 - 92 mm (subgenus *Stenonycteris*).....*Rousettus lanosus*
African Chiroptera name .....*Stenonycteris lanosus*
b Braincase slightly deflected; premaxillaries fused to each other; pm^1 subequal in bulk to lower incisor; molars broad; antitragus of ear distinct; forearm 66 - 84 mm .....*Lissonycteris angolensis*
African Chiroptera name .....*Myonycteris angolensis*
3 a Median edge of plagiopatagium attached to body near the dorsal midline; forearm 79 - 89 mm (known from Sumatra and Borneo only) .....*Rousettus spinalatus*
b Median edge of plagiopatagium attached to side of the body..... 4
4 a Uropatagium well-furred for nearly entire anterior half; forearm 67 - 83 mm (known from Sulawesi and Sanghir Islands only) .....*Rousettus celebensis*
b If uropatagium has fur, it is well-furred only near root of tail; otherwise sparsely furred to nearly naked..... 5
5 a Width of premolars and molars about equal to or very slightly greater than one-half their length (except m^2 and m^3 which are wider); forearm 65 - 76 mm (known from Madagascar only).....*Rousettus madagascariensis*
b Width of premolars and molars broader..... 6
6 a Pollex 30 - 38 mm, second phalanx of third digit 50 - 62 mm (forearm 81 - 102 mm) .....*Rousettus egyptiacus*
African Chiroptera name .....*Rousettus aegyptiacus*
b Pollex 22 - 31 mm; second phalanx of third digit 36 - 51 mm..... 7
7 a Skull deflection greater than in other species belonging to subgenus *Rousettus*, but not nearly as deflected as in *Rousettus (Stenonycteris) lanosus* (forearm 70 - 75 mm); endemic to Comoro Islands (between Africa and northern Madagascar).... *Rousettus obliviosus*
b Little or no skull deflection; distributed in southern Asia from Pakistan across India (and Sri Lanka) to southeastern China and Viet Nam and south through part of the Malay Peninsula, Sumatra, Java, and Bali (*leschenaulti*) or from Thailand through the Malay Peninsula and East Indies to the Philippines and Solomon Islands (*amplexicaudatus*)..... 8
8 a Third lower molar elliptical in outline, about twice as long as broad; ears 14 - 16 mm in width; forearm 75 - 96 mm .....*Rousettus leschenaulti*
b Third lower molar subcircular in outline, only slightly longer than broad (breadth from $^2/_3$ to $^5/_6$ length); ears 10 - 13 mm in width; forearm 66 - 91 mm.....*Rousettus amplexicaudatus*

Appendix 5ay: Taylor (2000). Bats of Southern Africa

1	a	Claw on second finger, Fa 66 - 115 mm long; face doglike (Suborder Megachiroptera, Family Pteropodidae: fruit bats) 2
	b	Second digit without claw; Fa < 66 long; face not doglike (Suborder Microchiroptera) 9
2	a	Fa > 110 mm long (110 - 130 mm); colour generally tawny, with dorsal fur restricted to a narrow median badn, sharply demarcated from naked wing membranes .... *Eidolon helvum*
	b	Fa < 110 mm long 3
3	a	Ears with white basal tufts; tail absent 4
	b	Ears without white basal tufts; reducted tail present 7
4	a	Rousettes of males particularly developed, yellowish in colur; face shortened, shorter than braincase; distribution in southern Africa limited ot Chobe River in Botswana; Fa 80 - 92 mm ..... *Epomops dobsoni* African Chiroptera name ..... *Epomophorus dobsonii*
	b	Rousettes less conspicuous, white-coloured; face longer than braincase; widespread distribution; Fa 68 - 95 mm (*Epomophorus*)..... 5
5	a	One palatal ridge behind last molar; Fa 68 - 95 mm..... *Epomophorus wahlbergi*
	b	Two palatal ridges behind last molar; Fa 75 - 94 mm 6
6	a	4th palatal ridge halfway between 3rd and 5th; widespread distribution; Fa 75 - 88 mm ..... *Epomophorus gambianus*
	b	4th palatal ridge closer to 3rd than 5th; southern African distribution restricted to southwestern Angola and Ovamboland in northern Namibia; Fa 81 - 94 mm ..... *Epomophorus angolensis*
7	a	Wing membranes arise from first toe; hair short and sleek; Fa > 89 mm (89 - 96 mm); ruff of stiff hairs absent from throat of males; tail fairly robust ... *Rousettus egyptiacus* African Chiroptera name ..... *Rousettus aegyptiacus*
	b	Wing membranes arise from second toe; hair longer and coarser; Fa < 90 mm; ruff of stiff hairs present on throat of males, tail relatively shorter, less robust 8
8	a	Size smaller, Fa < 80 mm (66 - 76 mm); distribution in southern Africa limited to Haroni-Rusitu confluence in eastern Zimbabwe ..... *Myonycteris relicta*
	b	Size larger, Fa > 80 mm (82 - 90 mm); occurring more widely in the Eastern Highlands of Zimbawe and central Mozambique ..... *Lissonycteris angolensis* African Chiroptera name ..... *Myonycteris angolensis*
9	a	Tail ends in a T-shaped cartilage; face with deep slit (Family Nycteridae, genus *Nycteris*; slit-faced bats) 10
	b	Tail without T-shaped cartilage; face without deep slit 14
10	a	Larger in size, Fa 57 - 66 mm, ear 28 - 35; mass over 30 g ..... *Nycteris grandis*
	b	Smaller in size, Fa 37 - 52 mm, ear 18 - 37 mm; mass less than 20 g..... 11
11	a	Tragus has a distinctive 'semi-lunate' (half-moon) shape; Fa 36 - 50 mm, ear 18 - 34 mm..... 12
	b	Tragus has a distinctive 'pyriform' (finger-like) shape; Fa 42 - 52 mm, ear 28 - 37 mm ..... *Nycteris thebaica*
12	a	Ears shorter, 18 - 25 mm; upper incisors trifid (three-lobed), Fa 36 - 45 mm. *Nycteris hispida*
	b	Ears longer, 28 - 34 mm, upper incisors bifid (two-lobed), Fa 37 - 50 mm..... 13
13	a	General colour greyish; smaller, Fa 37 - 42 mm, ear 29 - 34 mm ..... *Nycteris woodi*
	b	General colour brownish, larger, Fa 45 - 50 mm, ear 28 - 34 mm.... *Nycteris macrotis*
14	a	Tail extends beyond the edge of, or protrudes through, the interfemoral membrane 15
	b	Tail almost entirely enclosed within interfemoral membrane (at most two or three vertebrae not included)..... 31
15	a	Free terminal portion of tail protrudes through middle of upper surface of tail membrane (Family Emballonuridae; sheath-tailed bats) 16
	b	Free terminal portion of tail extends considerably beyond hind margin of tail membrane (Family Molossidae; free-tailed bats)..... 18
16	a	Size smaller, Fa < 50 mm (46 - 49 mm); distribution in southern Africa restricted to Zambezi River in Mozambique..... *Coleura afra*
	b	Size larger, Fa > 60 mm; widespread distribution in southern Africa (*Taphozous*) 17
17	a	Colour grizzled-grey above and pure white below; gular throat pouch present in males; Fa 60 - 66 mm; mean 63 mm..... *Taphozous mauritianus*

	b	Dark brown colour above, paler below but not white, no gular pouch in males; Fa 62 - 63 mm; mean 62 mm ..... *Taphozous perforatus*
18	a	Size very large, Fa 62 - 73 mm, ears very large, 38 - 40 mm, meeting on extended snout; conspicuous paler shoulder band separating darker anterior and posterior upper regions ..... *Otomops martiensseni*
	b	Not combining above characters..... 19
19	a	Ears separate (genus *Mormopterus*) 20
	b	Ears joined 21
20	a	Head conspicuously flattened, greatest braincase dept not more than a third of the greatest width; 'warty' muzzle; main 'brush' of hairs above nose; occurring widely in drier, rocky areas of the Western Cape, Northern Cape and Northern Province, Namibia, Botswana, and southern Zimbabwe; Fa 44 mm ... *Mormopterus petrophilus* African Chiroptera name ..... *Sauromys petrophilus*
	b	Skull not as conspicuously flattened, muzzle not warty; no brush of hairs above nose; known southern Africa from just two specimens collected in Durban over 150 years ago..... *Mormopterus acetabulosus*
21	a	Size smaller, Fa 36 - 43 mm, or if larger than 43 mm, almost always having one or more of the following; 1) a dark blackish 'beard' on the throat, 2) characteristic white flecks or short strips on head and shoulders, or 3) conspicuous lateral band of white fure running lengthwise along underneath of the wing membrane where it joins the body; greateste skull length 16 - 21 mm; conspicuous crest of stiff hairs usually present on forehead of males; large ears usually joined above bridge of nose by a band of folded skin; anterior notch ('emargination') of palate usually reduced and separated from the palatal foramina by a bony bar, or, if including palatal foramina, width of emargination less than diameter of upper incisor (Genus *Chaerephon*)... 22
	b	Size larger; Fa 43 - 66 mm, greatest skull length 18 - 29 mm; no conspicuous tufs of fur on forehead of males; anterior palete with or without emargination; ears joined with band of skin or not..... 26
22	a	Size larger, Fa 43 - 51 mm; greatest skull length 18 - 21 mm 23
	b	Size smaller, Fa 34 - 42 mm; greatest skull length 15 - 18 mm..... 25
23	a	White spots, stripes, or lateral band; anterior palate with or without conspicuous emargination; blackish throat patch absent; Fa 44 - 51 mm; greatest skull length 18 - 21 mm..... 24
	b	Without withe markings or conspicuous lateral band; blackish throat patch present; colour umber above and below; Fa 43 - 47.5 mm; greatest skull length 18 - 20 mm; anterior palate with emargination .....*Chaerephon ansorgei*
24	a	Colour umber brown with variable pattern of white spots or short stripes arranged laterally on crown and sometimes also on flanks and shoulders; Fa 46 - 51 mm; greatest skull length 19 - 21 mm; anterior palate with conspicuous emargination .....*Chaerephon bivittata* African Chiroptera name ..... *Chaerephon bivittatus*
	b	No spots or stripes, but conspicuous lateral band of long, white hairs below, along flanks at junction with wing membrane, contrasting with very dark brown colour of body above and below; Fa 44 - 50 mm; greatest skull length 18 - 19 mm; anterior palate without conspicuous emargination .....*Chaerephon nigeriae* African Chiroptera name .....*Chaerephon nigeriae nigeriae*
25	a	Males with long (13 - 14 mm) bicoloured postaural crest (dark basally, pale apically); light wings; colour below light with whitish mid-ventral band down to mid-belly; Fa 34 - 39 mm; greatest skull length 16 - 17 mm .....*Chaerephon chapini*
	b	Males with short (10 mm) unicoloured postaural cerest; wings light or dark; colour below variable, with or without white belly-stripe on the median area; Fa 37 - 42 mm; greatest skull length 16 - 18 mm .....*Chaerephon pumilus*
26	a	Paler band of short hairs in front of shoulders, giving appearance of being naked; ears are joined above bridge of nose by band of skin; colour variable above nut always conspicuously paler below, with variable degree of white colouring ventrally; third upper molar reduced to V-shape, or in Mops condylurus, with third 'leg' nitceably shorter in length than the second; anterior emargination of palate not well developed, with papatal foramina separated by bony bar; Fa 45 - 66 mm, greatest skull length 20 - 29 m (Genus *Mops*) 27

b No naked band in front of shoulders; ears just meet across bridge of nose, but not conspicuously joined by a band of skin; colour variable above, but underparts tend to be same colour or only slightly paler, though white markings may be present; third upper molar N-shaped, with third 'leg' almost as long as second; anterior emargination of palata well developed, width of emargination greater than diameter of upper incisor; Fa 45 - 66 mm, greatest skull length 18 - 26 (Genus *Tadarida*) 28

27 a Smaller in size, Fa 43 - 49 mm, greatest skull length 20 - 23 mm .... *Mops condylurus* African Chiroptera name ..... Mops (Mops) condylurus

b Larger in size, Fa 58 - 66 mm, greatest skull length 27 - 29 mm ..... *Mops midas* African Chiroptera name ..... Mops (Mops) midas

28 a Smaller-sized, Fa 45 - 54 mm, greatest skull length 18 - 19 mm; lips wrinkled Tadarida aegyptiaca

b Larger-sized, Fa 57 - 66 mm, greatest skull length 22 - 26 mm; lips not wrinkled.. 29

29 a Ears extremely large (c. 50 mm), protruding beyond snout when laid forward; white patch of fur between shoulders; interdental palatal length more than twice palatal width at anterior end; Fa 59 - 62.5 mm; greatest skull length 22.5 - 23.5 mm Tadarida lobata

b Ears not as large or extended to same degree (19 - 25 mm); interdental palatal less than twice palatal width at anterior end; Fa 57 - 66 mm; greatest skull length 22.0 - 25.7 mm 30

30 a Larger, Fa 61 - 66 mm, greatest skull length 23.5 - 25.7 mm ..... Tadarida ventralis

b Smaller, Fa 57 - 59 mm, greatest skull length 22.0 - 23.0 mm ..... Tadarida fulminans

31 a Muzzle with nose-leaves 32

b Muzzle without nose-leaves (Family Vespertilionidae; plain-faced bats) 45

32 a Posterior leaflet of noseleaf with upper edge either elliptical in outline or tridentate (three-pronged) (Family Hipposideridae) 33

b Posterior leaflet of noseleaf triangular with erect, pointed tip (lancet) (Family Rhinolophidae) 36

33 a Posterior leaflet of noseleaf with upper edge elliptical in outline; size larger, Fa > 40 mm (Genus *Hipposideros*) 34

b Posterior leaflet of noseleaf with tridentate (three-pronged) shape; size smaller, Fa 31 - 35 mm 35

34 a Much larger sized, Fa 100 - 108 mm; fur short, colour below pure white *Hipposideros commersoni* African Chiroptera name ..... Macronycteris commersoni

b Much smaller sized, Fa 45 - 50 mm; fur long and fluffy, brownish-gray in colour ..... Hipposideros caffer

35 a Size very small, Fa 31 - 35 mm; ears rounded ..... Cloeotis percivali

b Size larger, Fa 48 - 54 mm; ears pointed ..... *Triaenops persicus*

36 a Face and/or lateral margins of sella covered with long hairs; greatest width of horseshoe over 9 mm; Fa 48 - 67 mm; CF component of echolocation call 55 kHz or less 37

b Sella naked; greatest width of horseshoe less than 9 mm; Fa 40 - 57 mm; CF component of echolocation call 80 kHz or more 38

37 a Size larger, Fa 62 - 67 mm; echolocation call has CF frequency of 37 - 46 kHz ..... Rhinolophus hildebrandtii

b Size smaller, Fa 48 - 51 mm; echolocation call has CF frequency of 55 kHZ ..... Rhinolophus fumigatus

38 a Connecting process (Figure 22) rises to erect point or high and narrow horn; Fa 41 - 47 mm 39

b Connecting process blunt and rounded (Figure 22); Fa 40 - 57 mm 40

39 a The concave lancet (Figure 22) from the posterior noseleaf has a narrowly pointed shpe, sella not rising to a very sharp narrow tip; fur shorter and darker; first phalanx of fourth finger (Figure 23) noticeably shortened in relation to metacarpal length; axillary (under-arm) tuft of stiff hairs in males; Fa 41 - 43 mm ..... Rhinolophus landeri

b Margins of lancet not concave, forming equilateral traingle, sella rising to a very sharp narrow tip; fur longer and paler; first phalax of fourth finger not noticeably shortened in relation to metacarpal length; no axillary tuft of still hairs in males; Fa 41 - 47 mm ..... Rhinolophus blasii

40 a Canine and posterior premolar in contact, anterior premolar exterior to toothrow and minute, invisible to naked eye or hand lens; echolocation call has CF component at 86 or 94 kHz; Fa 43 - 57 mm..... 41
b Canine and posterior premolar not in contact, separated by anterior premolar which is just visible to naked eye, or with hand lens; echolocation call has CF component at 80, 83 or > 100 kHz, Fa 40 - 52 mm 42
41 a Larger, Fa 50 - 57 mm; echolocation call has CF component at 94 kHz ..... *Rhinolophus clivosus*
b Smaller, Fa 43 - 49 mm; echolocation call has CF component at 86 kHz .....*Rhinolophus darlingi*
42 a Larger, Fa 48 - 52 mm; distribution limited to the Western Cape and Eastern Cape; echolocation call has CF component at 90 kHz .....*Rhinolophus capensis*
b Smaller, Fa 40 - 46 mm; echolocation call has CF component of 83 kHz, or > 100 kHz 43
43 a Ears longer, > 22 mm; CF component of echolocation call 83 kHz; larger, Fa 42 - 46 mm.....*Rhinolophus simulator*
b Ears shorter, < 22 mm; CF component of echolocation call > 83 kHz; smaller, Fa 40 - 44 mm..... 44
44 a Front edge of connecting process almost concave; lancet with sides almost convex; dorsal fur long and whitish at base, tips grey-brown, ventrally pure white; occurs only in more arid areas of Botswana, Namibia and the Northern Cape; call unrecorded but almost certainly > 100 kHz, based on small body size ..... *Rhinolophus denti*
b Front edge of connecting process convex; lancet with sides almost concave, tip pointed; fur nearly unicoloured, not whitish at base; occurs only in savanna areas of Zimbabwe and eastern South Africa; CF frequency 110 - 115 kHz*Rhinolophus swinnyi*
45 a Second phalanx of third digit about three times as long as first (Figure 24) (Subfamily Miniopterinae)..... *Null*
b Second phalanx of third digit less than three times as long as first 48
46 a Larger-sized, Fa 45 - 50 mm; mass averages 15 g; greatest skull length exceeds 16 mm..... *Miniopterus inflatus*
African Chiroptera name .....*Miniopterus inflatus inflatus*
b Smaller-sized, Fa 42 - 47 mm; mass 9 - 16g; greatest skull length 14 - 15 mm..... 47
47 a Smaller, Fa 42 - 44 mm, mass 9 - 11 g; skull c. 14 mm.....*Miniopterus fraterculus*
b Larger, Fa 42 - 47 mm, mass 9 - 16 g; skull c. 15 mm ..... *Miniopterus schreibersii*
48 a Ears funnel-shaped, with deep emargination below tip; tragus long, narrow, sharply pointd (Figure 25); braincase high and rounded; long, soft, erect, woolly hair, with curled tips, giving grizzled appearance (Subfamily Kerivoulinae)..... 49
b Ears not funnel-shaped, without deep emargination below tip; tragus not sharply pointed; braincase not high and rounded (Subfamily Vespertilioninae)..... 50
49 a Size larger, Fa 34 - 39 mm; greatest skull length 15 mm or more; colour of upper parts reddish-chestnut, underparts whitish or with buffy tinge .....*Kerivoula argentata*
b Size smaller, Fa 30 - 36 mm; greatest skull length 13.5 or less; colour of upper parts brownish, may be lightly grizzled with greyish-white or white, underparts brown to greyish-brown to greyish-white to white .....*Kerivoula lanosa*
50 a Wing extremely narrow, third digit shorter than head and body length; skull flattened; tragus extremely short and blunt; hair very short .....*Mimetillus moloneyi*
b Wing not extremely narrow, third digit longer than head and body length; skull flattened; tragus not extremely short and blunt; hair not so short..... 51
51 a Fur coppery-reddish or yellowish to greyish-yellow in colour above and long and fluffy in texture; six upper cheekteeth and six lower cheekteeth on each side; elongated muzzle (Genus *Myotis*)..... 52
b Fur not coppery-reddisht in oclour or long fluffy in texture; fewer than 6 upper and lower cheekteeth; muzzle not elongated..... 56
52 a Size larger, Fa > 52 mm; distinctive pattern of contrasting black and coppery markings on wings and tail membrane .....*Myotis welwitschii*
b Size smaller, Fa usually < 52 mm (but may be up to 54 mm); colour uniform coppery-red or yellowish, without black markings on wings or tail membrane 53
53 a Wings without glands; size larger, Fa 41 - 54 mm 54
b Wings with glands; size smaller, Fa 32 - 35 mm..... 55
54 a Size larger, Fa 47 - 52 mm..... *Myotis tricolor*

	b	Size smaller, Fa < 47 mm ..... *Myotis bocagei* African Chiroptera name ..... Myotis bocagii
55	a	Size smaller, Fa 32 - 33 mm; upper parts dull greyish-yellow ..... *Myotis seabrai* African Chiroptera name ..... Cistugo seabrae
	b	Size larger, Fa > 34 mm; upper parts honey yellow..... *Myotis lesueuri* African Chiroptera name ..... Cistugo lesueuri
56	a	Wing membranes with conspicuous reticulated pattern; Fa 45 mm .....*Chalinolobus variegatus* African Chiroptera name .....Glauconycteris variegata
	b	Wing membranes without conspicuous reticulated pattern..... 57
57	a	Ear length 18 mm or more, about half length of forearm (genus *Laephotis*) 58
	b	Ear length < 18 mm; or much less than half of forearm 60
58	a	Larger, Fa > 37 mm, greatest skull length > 16 mm, ear length > 19 mm 59
	b	Smaller, Fa < 37 mm (33 - 37 mm), greatest skull length < 15 mm, ear length < 19 mm ..... Laephotis botswanae
59	a	Ear length 24 - 25 mm; Fa 38 - 39 mm; colour light buffy brown; distribution restricted to the Namib Desert ..... Laephotis namibensis
	b	Ear length 19 - 22 mm; Fa 36 - 41 mm; colour buffy brown; occurs in the Western Cape, Free State and KwaZulu-Natal ..... Laephotis wintoni
60	a	Size larger, Fa > 43 mm..... 61
	b	Size smaller, Fa < 43 mm 64
61	a	Tragus characteristically long and fine-pointed (Figure 26), the outer margin convex with a lobe towards its base; pronounced muzzle; dorsal fur soft with sheen, yellowish-brown coloured; underparts yellow, greyish-white or white; one pair of upper incisors present, Fa 43 - 80 mm (Genus *Scotophilus*) 62
	b	Tragus shorter, knife-shaped (Figure 27); muzzle not pronounced; dorsal fur rougher, without sheen, fawn to dark-brown coloured; ventral colour greyish; two pairs of upper incisors present, although outer incisors tiny, only visible with magnifying lens; Fa 46 - 50 mm.....Eptesicus hottentotus
62	a	Larger sized, Fa 70 - 80 mm, greatest skull length > 30 mm.....Scotophilus nigrita
	b	Smaller sized, Fa 43 - 65 mm; greatest skull length 16 - 23 mm..... 63
63	a	Size smaller, Fa 44 - 52 mm, greatest skull length 16 - 20 mm; adults with withish belly ..... Scotophilus viridis
	b	Size larger, Fa 50 - 65 mm; greatest skull length 20 - 23 mm; adults with yellow belly ..... Scotophilus dinganii
64	a	Distinctive pale fawn dorsal colour, slightly paler below, contrasting with much darker brown coloured wings and interfemoral membrane; characteristic tragus shape, indented on the inner surface and with two small lobes on the outer edge (Figure 28); Fa 28 - 33 mm .....*Nycticeinops schlieffeni* African Chiroptera name .....Nycticeinops schlieffenii
	b	Colour and tragus shape not as above 65
65	a	Single, pair or prominent, procumbent upper incisors; rostrum broad, c. 7 mm, about 50 % of greatest skull length; penis elongated, reaching 25 % of head and body length; Fa 30 - 31 mm (Genus *Scotoecus*) 66
	b	Two pairs of upper incisors, outer much smaller than inner; rostrum not broad, c. 5 - 6 mm, or 40 % of greatest skull length; penis not so elongated, less than 25 % of head and body (Genus *Pipistrellus*) 67
66	a	Pale-winged, four or five upper cheekteeth..... Scotoecus albofuscus
	b	Dark-winged, four upper cheekteeth ..... Scotoecus hirundo
67	a	Underparts pure white; upper, inner incisors deeply bifid (i.e. divided) .....Pipistrellus rueppellii
	b	Underparts brown or grey; upper, inner incisors not deeply bifid..... 68
68	a	Five upper cheekteeth, including a tiny anterior premolar, creating a gap between canine and posterior premolar which may be visible with a magnifying lens in the field 69
	b	Four upper cheekteeth, lacking tiny anterior premolar; canine and posterior premolar closely pressed togehter (Subgenus *Neoromicia*, previously grouped in the genus *Eptesicus*)..... 72

69 a Tragus characteristically 'hatchet-shaped' with sharp obtuse angle in posterior edge; outer upper incisor more than half length of inner upper incisor; forehead strongly concave, typically found roosting in unfurling banana or Strelizia leaves ; Fa 29 - 38 mm..... *Pipistrellus nanus*
African Chiroptera name ..... *Neoromicia nana*

b Tragus not 'hatchet-shaped', without distinct angle in posterior edge; outer upper incisor less than half length of inner upper incisor; forehead usually flat or weakly concave, not found in banana or Strelizia leaves 70

70 a Interdental palate as broad as long; forehead flat; total length of skull 12 mm or less; Fa 27 - 29 mm ..... *Pipistrellus rusticus*

b Interdental palate longer than broad; forehead at least weakly concave; total length of skull more than 12 mm; Fa 29 - 35 mm 71

71 a Posterior upper incisor barely extending above cingulum of anterior incisor; anterior upper premolar a pointed tooth rising above cingulum of canine; maxillary toothrow more than 4.5 mm; Fa 31 - 35 mm..... *Pipistrellus kuhlii*

b Posterior upper incisor extending well above cingulum of anterior incisor; anterior upper premolar a flat-crowned tooth; maxillary toothrow less than 4.5 mm; Fa 29 - 33 mm..... *Pipistrellus anchietai*
African Chiroptera name ..... *Hypsugo anchietae*

72 a Wing membranes white or translucent; Fa 34 - 38 mm ..... *Pipistrellus rendalli*
African Chiroptera name ..... *Neoromicia rendalli*

b Wing membranes dark; Fa 29 - 36 mm..... 73

73 a Dorsal colour paler; wing membranes edged with white; dorsal fur up to 8 mm long; Fa 30 - 32 mm; skull lacking posterior, occipital 'helmet'; only occurring in savanna regions..... *Pipistrellus zuluensis*
African Chiroptera name ..... *Neoromicia zuluensis*

b Dorsal colour darker; wing membranes not edged with white; dorsal fur not more than 5 mm long; Fa 29 - 36 mm; skull with posterior, occipital 'helmet'; occurring widely in savanna, grassland, montane and semi-arid regions ..... *Pipistrellus capensis*
African Chiroptera name ..... *Neoromicia capensis*

Appendix 5az: Russ et al. (2001). Key to the bats of Madagascar

1	a	Has a claw on the thumb, and on the second digit. Teeth of the frugivorous type ... 2
	b	Has claw on the thumb, but not on the second digit. Teeth of the insectivorous type 4
2	a	No tail present. ..... *Pteropus rufus rufus* African Chiroptera name ..... *Pteropus niger*
	b	Tail present..... 3
3	a	Forearm much greater than 95 mm. ..... *Eidolon dupreanum*
	b	Forearm much less than 95 mm. .... *Rousettus madagascariensis madagascariensis* African Chiroptera name ..... *Rousettus madagascariensis*
4	a	Has fixed suckers on wrists and ankles. ..... *Myzopoda aurita*
	b	No suckers 5
5	a	Nose leaf present (can be slit nosed)..... 6
	b	No nose leaf present 10
6	a	Muzzle divided by a longitudinal furrow with fleshy dermal outgrowths. Tail terminates in a T-shaped tip. ..... *Nycteris madagascariensis*
	b	Face with well-developed nose-leaf covering muzzle..... 7
7	a	Forearm greater than 75 mm. Top of nose-leaf not very complex and is rounded. ..... *Hipposideros commersoni commersoni* African Chiroptera name ..... *Macronycteris commersoni*
	b	Forearm less than 75 mm. Nose leaf is trident-shaped. 8
8	a	Forearm greater than 48 mm. Ears (from the notch) smaller than 15 mm. *Triaenops rufus* African Chiroptera name ..... *Triaenops menamena*
	b	Forearm less than 48 mm. Ears (from the notch) greater than 15 mm..... 9
9	a	3rd metacarpal greater than 35 mm. Tail less than 20 mm. Dorsal pelage is grey-black. ..... *Triaenops auritus* African Chiroptera name ..... *Paratriaenops auritus*
	b	3rd metacarpal less than 35 mm. Tail greater than 20 mm. Dorsal pelage is grey-brown. ..... *Triaenops furculus* African Chiroptera name ..... *Paratriaenops furculus*
10	a	Free tail. Does not include slight extension past interfemoral membrane (<5mm). 21
	b	Tail enclosed with interfemoral membrane 11
11	a	second phalanx of 3rd digit about three times as long as the first digit; braincase high and rounded. 3rd and 4th fingers are bent at the joint between the 1st and 2nd phalanx when at rest [Fig 41] (all these and no postcalcarial lobe) 12
	b	second phalanx of third digit not especially elongated..... 15
12	a	Forearm measurement more than 46 mm (mean = 48.4; 46.7 - 49.9); greater length of head exceeding 16.0 mm. ..... *Miniopterus gleni*
	b	In general, forearm less than 46 mm; greater length of head smaller than 16.0 mm 13
13	a	Forearm more than 40 mm (14) 14
	b	Forearm less than 40 mm. (May be a form of *Miniopterus minor*) *Miniopterus manavi*
14	a	Greater length of skull is not less than 15 mm (mean = 15.5; 15.0 – 16.1). Forearm mean = 44.2 (41.8 - 46.6); M^3-M^3: mean = 6.5 (6.3 - 6.8). ..... *Miniopterus majori*
	b	Greater length of skull is in general less than 15 mm (mean = 14.8; 14.5 - 15.1). Forearm mean = 42.8 (40.7 - 44.4); M^3-M^3: mean = 5.9 (5.7 - 6.0). ..... *Miniopterus fraterculus*
15	a	Post-calcarial lobe present [Fig. 42A]. Tragus short, curved, and rounded at tip and may be bent forward..... 16
	b	No postcalcarial lobe. Tragus long and sharp.[Fig. 42B] ..... *Myotis goudoti*
16	a	Tragus obviously bent forward [Fig. 43]..... 20
	b	Tragus not bent forward at top. 17
17	a	Last tail vertebrae projects beyond membrane by a maximum of 1mm. The post-calcarial lobe broad with visible T-piece cartilage. Two pairs of upper premolars present..... 18
	b	Last 1 - 2 tail vertebrae project beyond membrane 4 - 5mm. Post-calcarial lobe is narrow, usually without a visible T-piece cartilage. One pair of upper premolars present..... 19
18	a	Note: Pipistrelle species not established as yet – record as *Pipistrellus* spp. But note any observations. ..... *Null*

19	a	There is no single characteristic that separates these species. See text for further information..... *Null*
20	a	Forearm greater than 55 mm. .....*Scotophilus robustus*
	b	Forearm less than 55 mm. .....*Scotophilus borbonicus*
21	a	Free terminal proportion of tail emerges above middle of upper surface of interfemoral membrane [Fig. 44B]..... 22
	b	Free terminal proportion of tail projecting beyond hind margin of interfemoral membrane [Fig. 44A]..... 23
22	a	Forearm > 50 mm (58 - 64); males with large gular sac in the throat. .....*Taphozous mauritianus*
	b	Forearm < 50 mm (37 - 41mm); no gular sac. .....*Emballonura atrata* African Chiroptera name .....*Paremballonura atrata*
23	a	Ears very large (28 - 40 mm), joined on extended snout; forearm > 60 mm. .....*Otomops madagascariensis*
	b	Different face..... 24
24	a	Ears separated at the base [Fig. 46B]..... 25
	b	Ears joined at the base [Fig. 46A]..... 27
25	a	Ears separated at the base. Translucent ears are erect and well separated by a space at the base. Unwrinkled lips. White underside. Forearm less than 45 mm (26) 26
	b	Ears separated at the base. Forearm is greater than 55 mm. ..... *Tadarida (Tadarida) fulminans* African Chiroptera name .....*Tadarida fulminans*
26	a	Ears with anterior margin slightly emarginated below pointed tip. ..... *Tadarida (Mormopterus) acetabulosa* African Chiroptera name .....*Mormopterus acetabulosus*
	b	Ears without emargination, tips broadly rounded. ..*Tadarida (Mormopterus) jugularis* African Chiroptera name .....*Mormopterus jugularis*
27	a	Forearm less than 40 mm 28
	b	Forearm greater than 40 mm 29
28	a	Forearm usually less than 38mm; Tragus is small and square. [Fig. 48A].... *Tadarida (Chaerephon) leucogaster* African Chiroptera name .....*Chaerephon leucogaster*
	b	Forearm usually greater than 38mm; Tragus is small, sharp and straight. [Fig. 48B] .....*Tadarida (Chaerephon) pumila* African Chiroptera name .....*Chaerephon pumilus*
29	a	Forearm greater than 55mm. .....*Tadarida (Mops) midas miarensis* African Chiroptera name .....*Mops (Mops) midas miarensis*
	b	Forearm less than 50 mm. .....*Tadarida (Mops) leucostigma* African Chiroptera name .....*Mops (Mops) leucostigma*

Appendix 5ba: Fahr et al. (2002). A revision of the Rhinolophus maclaudi species group with the description of a new species from West Africa (Chiroptera: Rhinolophidae).

1 a Horseshoe without secondary leaflets; no or very inconspicuous median emargination; rims around nostrils ± straight and parallel; sella inclined forward. FA: 60 - 69, Cblc: 24.0 - 27.8, Mast: 12.3 - 13.9, Zyg: 12.3 - 13.8..... 2

b Horseshoe with one pair of secondary leaflets; with conspicuous median emargination; rims around nostrils semicircular; sella erect and ± parallel to lancet. FA: 54 - 62, Cblc: 20.7 - 23.6, Mast: 10.9 - 12.3, Zyg: 10.5 - 11.4 3

2 a FA: 63.6 - 68.7, Cblc: 27.0 - 27.8, Mast: 13.3 - 13.9, Zyg: 13.2 - 13.8, C-M_3: 10.5 - 10.8.....*Rhinolophus maclaudi*

b FA: 59.9 - 60.5, Cblc: 24.0 - 24.1, Mast: 12.3 - 12.4, Zyg: 12.3 - 12.5, C-M_3: 8.9 - 9.0 .....*Rhinolophus ziama*

3 a Lancet moderately exceeding height of sella. FA: 55.0 - 61.7, Cbs: 22.0 - 23.6, MastoidW: 11.2 - 12.3, ZygomaticW: 10.5 - 11.4, M^3-M^3 : 7.3 - 8.2, C-M_3 : 8.2 - 8.9 .....*Rhinolophus ruwenzorii*

b Lancet conspicuously exceeding height of sella. FA: 54.2 - 54.3, Cblc: 20.7 - 21.2, Mast: 10.9 - 11.2, Zyg: 10.6 - 10.9, M^3-M^3: 7.8 - 8.0, C-M_3: 7.9 - 8.1 *Rhinolophus hilli*

Appendix 5bb: Jacobs and Fenton (2002). Mormopterus petrophilus

1	a	Skull extremely flattened; occurs in Africa 2
	b	Skull not extremely flattened; mostly not in Africa 3
2	a	Forearm with wartlike granulations; length of forearm 29 - 36 mm*Mormopterus setiger* African Chiroptera name .....*Platymops setiger*
	b	Forearm lacking wartlike granulations; length of forearm 38 - 48 mm.... *Mormopterus petrophilus* African Chiroptera name ..... *Sauromys petrophilus*
3	a	Known from the New World..... 4
	b	Not known from the New World 6
4	a	Recorded from Cuba; length of forearm 29 - 31 mm ..... *Mormopterus minutus*
	b	Recorded from southwestern South America; length of forearm 29 - 31 mm..... 5
5	a	Length of forearm 34 - 49 mm; skull not flattened; 1 upper premolar per quadrat; basisphenoid pits present; palate not domed.....*Mormopterus kalinowski*
	b	Length of forearm 33 - 34 mm; skull flattened; 2 upper premolars per quadrat; no basisphenoid pits; palate domed.....*Mormopterus phrudus*
6	a	Recorded from Madagascar; some records from Africa 7
	b	Only known from location east of Madagascar 8
7	a	Madagascar; 2 African records; ears triangular in shape; length of forearm 38 - 39 mm .....*Mormopterus acetabulosus*
	b	Madagascar; ears rounded; length of forearm 35 - 37 mm.....*Mormopterus jugularis*
8	a	Recorded from Sumatra; not known from Australia and/or New Guinea; length of forearm 32 - 34 mm.....*Mormopterus doriae*
	b	Not known from Sumatra; occurs in Australia and/or New Guinea; length of forearm 33 - 40 mm 9
9	a	Length of forearm <= 33 mm..... *Mormopterus planiceps (=loriae)*
	b	Length of forearm > 33 mm..... 10
10	a	Gular gland lacking; heavy build; length of forearm 33 - 99 mm*Mormopterus beccarii*
	b	Gular gland present; light build; length of forearm 36 - 40 mm..... *Mormopterus norfolkensis*

Appendix 5bc: Csorba et al. (2003). Horsehoe bats of the World (Chiroptera: Rhinolophidae).

1	a	Specimen from the Palaearctic Region	2
	b	Specimen outside the Palaearctic Region	6
2	a	Connecting process forming a continuous arch (Fig. 42.1) (*pearsoni*-group: *R. pearsoni*).	77
	b	Connecting process different.	3
3	a	Connecting process high and bluntly rounded (Fig 18.1) (^{ferrumequinum}-group: *R. bocharicus, R. clivosus, R. ferrumequinum*).	66
	b	Connecting process different.	4
4	a	Connecting process pointed, triangular in profile (Fig 7.1).	5
	b	Connecting process low, rounded, its tip pointed downwards (Fig. 27.1) (*hipposideros*-group).	*Rhinolophus hipposideros*
5	a	Sella wedge-shaped (Fig v.2) (*landeri*-group: *R. blasii*).	74
	b	Sella parallel sided (Fig v.1) (*euryale*-group).	58
6	a	Specimen from the Afrotropical Region.	7
	b	Specimen from the Indomalayan, Oceanian and Australian Regions.	20
7	a	Anterior upper premolar (P^2) fully external, small or missing.	8
	b	Anterior upper premolar (P^2) in toothrow or at most half-external.	11
8	a	Sella hairy, connecting process low, forming a continuous arch (Fig. 24.1); general colour greyish (*fumigatus*-group).	9
	b	Sella naked, connecting process higher; general colour not greyish (*ferrumequinum*-group: *R. clivosus, R. darlingi, R. deckeni, R. hillorum, R. sakejiensis, R. silvestris*).	66
9	a	Forearm over 60.5 mm.	*Rhinolophus hildebrandti* African Chiroptera name *Rhinolophus hildebrandtii*
	b	Forearm under 60.5 mm.	10
10	a	Skull length over 24.5 mm.	*Rhinolophus eloquens*
	b	Skull length under 24.5 mm.	*Rhinolophus fumigatus*
11	a	Sella widening at base; anterior median swellings bulbous.	12
	b	Sella normal; anterior median swellings moderate.	15
12	a	Connecting process very low, internarial septum expanded into a cup-like structure (Fig. 32.1) (*maclaudi*-group).	14
	b	Connecting process well developed, internarial septum not expanded (Fig. 1.1) (*adami*-group)	13
13	a	Tip of lancet longer, with convex sides.	*Rhinolophus adami*
	b	Tip of lancet shorter, with nearly straight sides.	*Rhinolophus maendeleo*
14	a	Skull length over 26 mm, mastoid width less or subequal to the zygomatic width.	*Rhinolophus maclaudi*
	b	Skull length less than 25 mm, mastoid width greater than zygomatic width.	*Rhinolophus ruwenzorii*
15	a	Connecting process low, rounded, its tip pointed downwards (Fig. 27.1); anterior half of the zygomatic arch weak, almost parallel-sided (Fig. 27.2) (*hipposideros*-group).	*Rhinolophus hipposideros*
	b	Connecting process well developed, its tip pointed more or less forward; zygomata more robust, medio-laterally flattened.	16
16	a	Connecting process triangular in profile (Fig. 28.1) (*landeri*-group).	74
	b	Tip of connecting process rounded (*capensis*-group)	17
17	a	Skull length over 20 mm, CM^3 length over 7.2 mm.	*Rhinolophus capensis*
	b	Skull and upper toothrow length shorter.	18
18	a	The sides of lancet straight or nearly so.	*Rhinolophus denti*
	b	The sides of lancet concave.	19
19	a	Sella relatively broad, CM^3 length 6.3 - 7.0 mm.	*Rhinolophus simulator*
	b	Sella narrow, CM^3 length 5.8 - 6.7 mm.	*Rhinolophus swinnyi*
20	a	Sella with lateral projecting lappets at its base (Fig. v.4) (*trifoliatus*-group).	21
	b	Sella lacking lateral basal lappets.	25
21	a	Forearm over 48 mm; skull length over 21 mm.	22
	b	Forearm under 48 mm, skull length less than 21 mm.	*Rhinolophus sedulus*
22	a	Noseleaf and ears yellowish; skull length under 25 mm.	*Rhinolophus trifoliatus*
	b	Noseleaf and ears dark brown or blackish; skull length usually over 25 mm.	23

23 a Skull length usually over 28 mm, CM^3 length over 10.5 mm. .....*Rhinolophus luctus*
b Skull length under 28 mm, CM^3 length usually under 10.5 mm. 24
24 a Specimen from South India and Sri Lanka..... *Rhinolophus beddomei*
b Specimen from Taiwan..... *Rhinolophus formosae*
25 a Connecting process pointed..... 26
b Connecting process rounded, not pointed. 38
26 a Anterior median swellings moderately low, protruding anteriorly (Fig. 8.2). 37
b Anterior median swellings higher, directing upwards (Figs 50.2, 59.1) (*pusillus*-group). 27
27 a Forearm over 46 mm; CM^3 length over 20 mm.....*Rhinolophus acuminatus*
b Forearm under 46 mm; CM^3 length less than 19 mm. 28
28 a Lancet strongly rounded off, its outline convex. .....*Rhinolophus convexus*
b Sides of lancet concave or nearly straight. 29
29 a Lancet long, its tip spatulate, connecting process always a long, narrow horn. 30
b Lancet shorter, its tip narrower, connection process shorter, usually more triangular. 31
30 a Upper canines slender, posterior palatal emargination wider than anterior palatal emargination.....*Rhinolophus cognatus*
b Upper canines massive, posterior palatal emargination narrower than anterior palatal emargination..... *Rhinolophus imaizumii*
31 a Upper canines long, wide-based, skull length over 17 mm; sagittal crest well developed for its full length. ..... *Rhinolophus shortridgei*
b Upper canines shorter, skull length usually under 17 mm; sagittal crest weaker posteriorly..... 32
32 a Forearm 41 - 46 mm, CM^3 length under 6 mm. .....*Rhinolophus osgoodi*
b Forearm usually shorter, it longer than 41 mm the CM_3 length over 6 mm. 33
33 a Rostrum narrower, M^3-M^3 width less than 5 mm.....*Rhinolophus subbadius*
b Rostrum wider, M^3-M^3 width over 5 mm..... 34
34 a CM^3 length usually over 6 mm. .....*Rhinolophus lepidus*
b CM^3 length usually under 6 mm. 35
35 a Specimen from Taiwan..... *Rhinolophus monoceros*
b Specimen outside of Taiwan. 36
36 a Specimen from Japan. ..... *Rhinolophus cornutus*
b Specimen not from Japan. ..... *Rhinolophus pusillus*
37 a Sella parallel-sided (*euryale*-group: *R. mehelyi*). 58
b Sella wedge-shaped (*landeri*-group: *R. blasii*). 74
38 a Connecting process low, rounded, its tip pointed downwards (Fig. 27.1); anterior half of the zygomatic arch weak, almost parallel-sided (Fig. 27.2) (*hipposideros*-group). .....*Rhinolophus hipposideros*
b Connecting process usually more developed, its tip pointed more or less forward; zygomata more robust, medio-laterally flattened. 39
39 a Connecting process forming a continuous arch or obsolete (Figs 10.1, 42.1)..... 40
b Connecting process not forming a continous arch (Figs 35.1, 45.1). 41
40 a Lower lip with one mental groove (Fig. vi), internarial region not expanded (*pearsoni*-group). 77
b Lower lip with three mental grooves (fig. vi), internarial region expanded (*euryotis*-group). 58
41 a Sella long and wide; palatal bridge more than 1_3 length of maxillary toothrow (CM^3) (*philippiniensis*-group). 42
b Sella shorter and narrower, palatal bridge less than 1_3 of maxillary toothrow (CM^3). 47
42 a Internarial region not expanded, its width not exceeding that of the sella.*Rhinolophus macrotis*
b Internarial region expanded, much wider than sella. 43
43 a Lateral margins of internarial expansion passing beneath base of sella. 44
b Lateral margins of internarial expansion integral with margins of sella. 45
44 a Forearm more than 56 mm, CM^3 length over 8 mm..... *Rhinolophus rex*
b Forearm less than 57 mm, CM^3 length less than 8 mm.*Rhinolophus paradoxolophus*
45 a Internarial expansion trapezoid with projecting lateral wings....*Rhinolophus marshalli*
b Internarial expansion subcircular. 46
46 a Forearm 49 - 56 mm, skull length over 20 mm. .....*Rhinolophus philippinensis*

	b	Forearm 43.5 - 46.0 mm, skull length 18.45 mm. ..... *Rhinolophus montanus*
47	a	Connecting process high and rounded (Fig. 18.1); anterior upper premolar (P^2) when present always minute and fully external to toothrow (*ferrumequinum*-group: *R. bocharicus, R. ferrumequinum*). 66
	b	Connecting process lower and rounded (Fig. 34.1); anterior upper premolar (P^2) larger, usually in row or only slightly extruded, very rarely totally external. 48
48	a	Lancet abruptly narrower at centre, its lateral margins strongly concave (*rouxi*-group). 56
	b	Lancet triangular, lateral margins more or less straight (*megaphyllus*-group). 49
49	a	Skull length over 21 mm. ..... *Rhinolophus affinis*
	b	Skull shorter than 21 mm. 50
50	a	Anterior rostal swellings very large (Fig. viii), inflated, strongly elevated. 51
	b	Anterior rostal swellings moderate (Fig. viii), less inflated. 52
51	a	Posterior median swellings inflated, in profile median anterior swellings shallowly concave posteriorly; interorbital width over 2 mm. ..... *Rhinolophus malayanus*
	b	Posterior median swllings uninflated, in profile median anterior swellings very sharply concave posteriorly; interorbital width less than 2 mm. ..... *Rhinolophus stheno*
52	a	Facial part of skull elongate, the supraorbital crest combining at a point behind the centre of the orbital cavity. ..... *Rhinolophus megaphyllus*
	b	Facial part of skull shorter, the supraorbital crest combing at a point above or in front of the centre of the orbital cavity. 53
53	a	Skull length 20.87 mm, CM^3 length 8.50 mm. ..... *Rhinolophus nereis*
	b	Skull length less than 19.5 mm, CM^3 length less than 7.5 mm. 54
54	a	Noseleaf very small and narrow. ..... *Rhinolophus virgo*
	b	Noseleaf moderate, wider. 55
55	a	Skull length usually over 18 mm, CM^3 length usually over 7 mm. ..... *Rhinolophus borneensis*
	b	Skull usually shorter than 18 mm, CM^3 length usually less than 7 mm. .. *Rhinolophus celebensis*
56	a	Upper canines small, CM^3 length 6.82 - 7.67 mm. ..... *Rhinolophus thomasi*
	b	Upper canines longer and stronger. 57
57	a	Specimen from Peninsular India and Sri Lanka; CM^3 length 7.88 - 9.24 mm. ..... *Rhinolophus rouxi*
	b	Specimen outside the above territories; CM^3 length 7.04 mm - 8.40 mm. *Rhinolophus sinicus*
58	a	Base of lancet densely pilose. 59
	b	Base of lancet at most sparsely haired. 60
59	a	Hairs at base of lancet forming a dense, bristly sub-conical tuft. *Rhinolophus creaghi*
	b	Hairs at base of lancet long, disperse. ..... *Rhinolophus canuti*
60	a	Lancet thickened and folded to form a vertical fissure enclosing rear of connecting process. 61
	b	Lancet not folded, rear of connecting process not enclosed. 62
61	a	Width across anterior lateral swellings less than 5.5 mm, supraorbital ridges well developed (Fig. 11.3). ..... *Rhinolophus coelophyllus*
	b	Width across anterior lateral swellings more than 5.5 mm, supraorbital ridges weaker. ..... *Rhinolophus shameli*
62	a	Horseshoe with two parallel swollen ridges extending to internarial region and terminating in a small, tooth-like median projection. ..... *Rhinolophus euryotis*
	b	Horseshoe with only a narrow groove reaching less than halfway to internarial region. 63
63	a	Forearm 66 - 74 mm, skull length over 28 mm. ..... *Rhinolophus rufus*
	b	Forearm maximum 57 mm, skull length shorter than 26 mm. 64
64	a	Forearm 52 - 57 mm, CM^3 length 9.5 - 10.5 mm. ..... *Rhinolophus subrufus*
	b	Forearm under 53 mm, CM^3 length less than 9.9 mm. 65
65	a	Skull length over 22.5 mm, CM^3 length 9.3 - 9.9 mm. ..... *Rhinolophus inops*
	b	Skull length shorter than 22.5 mm, CM^3 length shorter than 9 mm. ..... *Rhinolophus arcuatus*
66	a	Specimen from the Palaearctic Region. 67
	b	Specimen from the Afrotropical Region. 69
67	a	Forearm over 53 mm, skull length over 20.5 mm. ..... *Rhinolophus ferrumequinum*

	b	Forearm under 53 mm, skull length under 20.5 mm. 68
68	a	Specimen from Central Asia. .....*Rhinolophus bocharicus*
	b	Specimen from North Africa and Arabia.....*Rhinolophus clivosus (in part)* African Chiroptera name .....*Rhinolophus blasii*
69	a	Connecting process high, pointed or rounded (Fig. 18.1). 70
	b	Connecting process lower, rounded (Fig. 20.1). 72
70	a	Skull length under 23 mm.....*Rhinolophus clivosus (in part)* African Chiroptera name .....*Rhinolophus blasii*
	b	Skull length over 23 mm. 71
71	a	Connecting process pointed. .....*Rhinolophus sakejiensis*
	b	Connecting process blunt. .....*Rhinolophus hillorum*
72	a	Horseshoe with more than 9 mm, skull length over 22 mm. 73
	b	Horseshoe with less than 9 mm, skull length under 21 mm.....*Rhinolophus darlingi*
73	a	Sides of lancet nearly straight. .....*Rhinolophus deckeni* African Chiroptera name .....*Rhinolophus deckenii*
	b	Sides of lancet more or less concave. ..... *Rhinolophus silvestris*
74	a	Sella wedge-shaped, connecting process narrow and pointed. .....*Rhinolophus blasii*
	b	Sella broadly rounded above, connecting process a broadly-based triangle. 75
75	a	Forearm 49 - 54 mm, skull length over 21 mm. .....*Rhinolophus alcyone*
	b	Forearm under 49 mm, skull length shorter than 21 mm. 76
76	a	Skull length over 19.3 mm. .....*Rhinolophus guineensis*
	b	Skull length under 19.3 mm. ..... *Rhinolophus landeri*
77	a	Forearm 47 - 56 mm; skull length under 24.5 mm, CM^3 length less than 10 mm. ..... *Rhinolophus pearsoni*
	b	Forearm 51.5 - 64 mm; skull length over 24.5 mm, CM^3 length over 10 mm. .....*Rhinolophus yunanensis*

Appendix 5bd: Decher and Fahr (2005). Hipposideros cyclops

1	a	Ears united at base by low frontal band (*megalotis* group)..... *Hipposideros megalotis*
	b	Ears separate 2
2	a	Ears long, narrow, and pointed (*cyclops* group) 7
	b	Ears short, broad, and rounded or triangular 3
3	a	Ears rounded or broadly triangular and bluntly pointed; upper incisors weak ... *bicolor group*
	b	Ears triangular and pointed, upper incisors strong 4
4	a	Noseleaf with 2 lateral leaflets; frontal depression of cranium well defined, maxillae elongated..... *pratti group*
	b	Noseleaf with 3 or 4 lateral leaflets; frontal depression of cranium lacking or shallow, maxillae not elongated 5
5	a	Noseleaf with upper edge of posterior leaf slightly lobate; posterior leaf narrower than horseshoe..... *armiger group*
	b	Noseleaf with upper edge of posterior leaf forming an arc or circle; posterior leaf equal in width to horseshoe 6
6	a	Ears with a small projection at the antitragal fold..... *speoris group*
	b	Ears without antitragal modification ..... *diadema group*
7	a	Posterior lateral leaflet not extending anteriorly beneath anterior leaflet onto upper lip; premaxillae wide posteriorly, forming a broad junction with palate; anterior palatal foramina enclosed 8
	b	Posterior lateral leaflet extending anteriorly beneath anterior leaflet onto upper lip; premaxillae narrow posteriorly, forming a narrow, spatulate junction with palate; anterior palatal foramina open posteriorly..... 9
8	a	Length of forearm 56–73 mm; antorbital foramen large compared to overall skull size ..... *Hipposideros cyclops* African Chiroptera name .....*Doryrhina cyclops*
	b	Length of forearm 74–76 mm; antorbital foramen small compared to overall skull size .....*Hipposideros camerunensis*
9	a	Median processes of intermediate and posterior leaves not greatly developed or especially club-shaped; craniumwithout frontal depression..... 10
	b	Median processes of intermediate and posterior leaves well developed, usually club-shaped; cranium with frontal depression..... 11
10	a	Posterior leaf lacking any posterior supplementary structure; rostral eminences not much inflated; rostral profile nearly flat; width of cochleae 4–5 times their distance apart; known only from eastern New Guinea..... *Hipposideros muscinus*
	b	Posterior leaf with a posterior supplementary structure, twin-walled, cellular; rostral eminences inflated; rostral profile concave; width of cochleae 6 or more times their distance apart; confined to western and central New Guinea *Hipposideros wollastoni*
11	a	Interorbital region wide; rostrum elongate; shallow sphenoidal depression present; width of cochleae ca. 4 times their distance apart; posterior ridge of M^3 reduced, N-pattern of tooth incomplete; m^3 with subrectangular posterior trigonid..... 12
	b	Interorbital region narrow; rostrum short; no sphenoidal depression; width of cochleae ca. 6 or more times their distance apart; posterior ridge of M^3 little reduced, N-pattern of tooth nearly complete; m^3 with triangular posterior..... 13
12	a	Dorsal fur color Hair Brown, ventral fur silver-tipped, hair on midback ca. 14 mm long; lower club-shaped process on noseleaf very long and tubular; Telefomin area, central New Guinea..... *Hipposideros corynophyllus*
	b	Dorsal fur color Prout's Brown with reddish tinge; ventral fur Cinnamon Rufus, hair on midback ca. 9 mm long; lower club-shaped process of noseleaf shorter and laterally flattened; near Imonda, northern central New Guinea ..... *Hipposideros edwardshilli*
13	a	Median process of posterior leaf large, club-shaped; skull larger (rostral width 5.6–6.3 mm), C–M^3 6.5–7.3 mm; cranial frontal depression shallow; rostral eminences greatly inflated; known only from eastern New Guinea and northeastern Queensland, Australia.....*Hipposideros semoni*
	b	Median process of posterior leaf tuberclelike, not especially club-shaped; skull smaller (rostral width 5.1 mm); C–M^3 5.6 mm; cranial frontal depression deep; rostral eminences moderately inflated; confined to Northern Territory, northwestern Australia, and northwestern Queensland, Australia.....*Hipposideros stenotis*

Appendix 5be: Bates et al. (2006). A description of a new species of Pipistrellus (Chiroptera: Vespertilionidae) from Madagascar with a review of related Vespertilioninae from the island.

1	a	Two upper premolars (P^2 and P^4 - Fig. 5). 2
	b	One upper premolar (P^2 - Fig. 9). 4
2	a	Long penis (> 9.0 mm), long baculum (> 8.0 mm), relatively large second upper incisor (I^3 = 2/3 the height of the bicuspid I^2), and larger first premolar (P^2 width > 10 % of C-M^3 length - Fig. 5). ..... *Pipistrellus raceyi*
	b	Short penis (< 6.0 mm), short baculum (< 3.0 mm), small second upper incisor [I^3 = 1/2 the height of the (usually) unicuspid I^2], and very small first premolar (P^2 width < 8 % of C-M^3 length) - (Fig. 5). 3
3	a	Baculum thin and curved (Fig. 10A); zygomata thin (Fig. 11A), and upper canine (C^1) not in contact with the second upper premolar (P^4) (Fig. 5B and 5Bi). ..... *Pipistrellus hesperidus*
	b	Baculum broader and not curved (Fig. 10B); zygomata more robust (Fig. 11B) and upper canine (C^1) (usually) in contact with the second upper premolar (P^4 - Fig. 5C). ..... *Hypsugo anchietae*
4	a	Forearm long (> 33 mm); skull large (CCL > 13.0 mm); baculum longer (> 2.7 mm). ..... *Neoromicia melckorum*
	b	Forearm shorter (= 33 mm); skull smaller (CCL < 12.5 mm); baculum shorter (< 2.5 mm). 5
5	a	Pelage paler; tibiae shorter (< 12.5 mm); baculum with relatively narrower shaft (Fig. 8B); narrow braincase (BB < 6.5 mm) and palate (M^3–M^3 < 5.4 mm). ..... *Neoromicia malagasyensis*
	b	Pelage darker; tibiae longer (= 12.5 mm); baculum with relatively broader shaft (Fig. 8A); broader braincase (BB > 6.5 mm) and palate (M^3–M^3 = 5.4 mm). ..... *Neoromicia matroka*

Appendix 5bf: Csorba (2008). Taxonomy of the horseshoe bats of the world (Chiroptera: Rhinolophidae).

1	a	Specimen from the Palaearctic Region. 2
	b	Specimen outside the Palaearctic Region. 6
2	a	Connecting process forming a continuous arch (Fig. 44.1) - pearsoni-group (*R. pearsoni*). 57
	b	Connecting process different. 3
3	a	Connecting process high and blunty rounded (Fig. 18.1) - *ferrumequinum*-group (*R. bocharicus, R. clivosus, R. ferrumequinum*). 36
	b	Connecting process different. 4
4	a	Connecting process pointed, triangular in profile (Fig. 7.1). 5
	b	Connecting process low, rounded, its tip pointed downwards (Fig. 29.1) - *hipposideros*-group. ..... *Rhinolophus hipposideros*
5	a	Sella wedge-shaped - landeri-group (*R. blasii*). 46
	b	Sella parallel sided - *euryale*-group. 27
6	a	Specimen from the Afrotropical Region. 7
	b	Specimen from the Indomalayan, Oceanian and Australalian Regions. 13
7	a	Anterior upper premolar (P^2) fully external, small or missing. 8
	b	Anterior upper premolar (P^2) in toothrow or at most half-external. 9
8	a	Sella hairy, connecting process low, forming a continuous arch (Fig. 26.1); general colour grayish - *fumigatus*-group. 44
	b	Sella naked, connecting process higher; general colour not grayish - *ferrumequinum*-group (*R. clivosus, R. darling, R. deckeni, R. hillorum, R. sakejiensis, R. silvestris*). 36
9	a	Sella widening at base; anterior median swellings bulbous. 10
	b	Sella normal; anterior median swellings moderate. 11
10	a	Connecting process very low, internarial septum expanded into a cup-like structure (Fig. 34.1) - *maclaudi*-group. 49
	b	Connecting process wel developed, internarial septum not expanded (Fig. 1.1) - *adami*-group. 23
11	a	Connecting process low, rounded its tip pointed downwards (Fig. 29.1); the anterior half of the zygomatic arch weak, almost parallel-sided (Fig. 29.2) - *hipposideros*-group. ..... *Rhinolophus hipposideros*
	b	Connecting process well developed, its tip pointed more or less forward; the zygomatat more robust, medio-laterally flattened. 12
12	a	Connecting process triangular in profile (Fig. 30.1) - *landeri*-group. 46
	b	Tip of connecting process rounded - *capensis*-group. 24
13	a	Sella with lateral projecting lappets at its base - *trifoliatus*-group. 75
	b	Sella lacking lateral basal lappets. 14
14	a	Connecting process pointed. 15
	b	Connecting process rounded, not pointed. 17
15	a	Anterior median swellings moderately low, protruding anteriorly (Fig. 8.2). 16
	b	Anterior median swellings higher, directing upwards (Figs 52.2, 61.1) - *pusillus*-group. 63
16	a	Sella parallel-sided - *euryale*-group (*R. mehelyi*). 27
	b	Sella wedge-shaped - *landeri*-group (*R. blasii*). 46
17	a	Connecting process low, rounded, its tip pointed downwards (Fig. 29.1); the anterior half of the zygomatic arch weak, almost parallel-sided (Fig. 29.2) - *hipposideros*-group. ..... *Rhinolophus hipposideros*
	b	Connecting process usually more developed, its tip pointed more or less forward; the zygomata more robust, medio-laterally flattened. 18
18	a	Connecting process forming a continuous arch or obsolete (Figs 10.1, 44.1). 19
	b	Connecting process not forming a continuous arch (Figs 37.1, 47.1). 20
19	a	Lower lip with one mental groove, internarial region not expanded - *pearsoni*-group. 57
	b	Lower lip with three mental grooves, internarial region expanded - *euryotis*-group. 28
20	a	Sella long and wide; palatal bridge more than 1/3 length of maxillary toothrow (CM^3 - *philippinensis*-group. 58
	b	Sella shorter and narrower, palatal bridge less than 1/3 length of maxillary toothrow (CM^3. 21

21 a Connecting process high and rounded (Fig. 18.1); anterior upper premolar (P^2) when present always minute and fully external to toothrow - *ferrumequinum*-group (*R. bocharicus, R. ferrumequinum*). 36
b Connecting process lower and rounded (Fig. 36.1); anterior upper premolar (P^2 larger, usually in row or slightly extruded, very rarely totally external. 22
22 a Lancet abruptly narrowed at centre, its lateral margins strongly concave - *rouxii*-group. 73
b Lancet triangular, lateral margins more or less straight - *megaphyllus*-group. 50
23 a Tip of lancet longer, with convex sides. ..... *Rhinolophus adami*
b Tip of lancet shorter, with nearly straight sides. ..... *Rhinolophus maendeleo*
24 a Skull length over 20 mm, CM^3 length over 7.2 mm. ..... *Rhinolophus capensis*
b Skull and toothrow length shorter. 25
25 a The sides of lancet straight or nearly so. ..... *Rhinolophus denti*
b The sides of lanced concave. 26
26 a Sella relatively broad, CM^3 length 6.3 - 7.0 mm. ..... *Rhinolophus simulator*
b Sella narrow, CM^3 length 5.8 - 6.7 mm. ..... *Rhinolophus swinnyi*
27 a The sides of lancet straight. ..... *Rhinolophus euryale*
b Lancet abruptly narrowing to a linear tip. ..... *Rhinolophus mehelyi*
28 a Base of lancet densely pilose. 29
b Base of lancet at most sparsely haired. 30
29 a Hairs at base of lancet forming a dense, bristly sub-conical tuft. *Rhinolophus creaghI*
b Hairs at base of lancet long, dispersed. ..... *Rhinolophus canuti*
30 a Lancet thickened and folded to form a vertical fissure enclosing rear of connecting process. 31
b Lancet not folded, rear of connecting process not enclosed. 32
31 a Width across anterior lateral swellings less than 5.5 mm, supraorbital ridges well developed (Fig. 11.3). ..... *Rhinolophus coelophyllus*
b Width across lateral swellings more than 5.5 mm, supraorbital ridgtes weaker. ..... *Rhinolophus shameli*
32 a Horseshoe with two parallel swollen ridges extending to internarial region and terminating in a small, tooth-like median projection. ..... *Rhinolophus euryotis*
b Horseshoe with only a narrow groove reaching less than halfway to internarial region. 33
33 a Forearm 66 - 74 mm, skull length over 28 mm. ..... *Rhinolophus rufus*
b Forearm maximum 57 mm, skull length shorter than 26 mm. 34
34 a Forearm 52 - 57 mm, CM^3 length 9.5 - 10.5 mm. ..... *Rhinolophus subrufus*
b Forearm under 53 mm, CM^3 length less than 9.9 mm. 35
35 a Skull length over 22.5 mm, CM^3 length 9.3 - 9.9 mm. ..... *Rhinolophus inops*
b Skull length shorter than 22.5 mm, CM^3 length shorter than 9 mm. ..... *Rhinolophus arcuatus*
36 a Specimen from the Palaearctic Region. 37
b Specimen from the Afrotropical Region 39
37 a Forearm over 53 mm, skull length over 20.5 mm. ..... *Rhinolophus ferrumequinum*
b Forearm under 53 mm, skull length under 20.5 mm. 38
38 a Specimen from Central Asia. ..... *Rhinolophus bocharicus*
b Specimens from North Africa and Arabia. ..... *Rhinolophus clivosus (part)*
African Chiroptera name ..... *Rhinolophus clivosus*
39 a Connecting process high, pointed or rounded (Fig. 18.1). 40
b Connecting process lower, rounded (Fig. 20.1) 42
40 a Skull length under 23 mm. ..... *Rhinolophus clivosus (part)*
African Chiroptera name ..... *Rhinolophus clivosus*
b Skull length over 23 mm. 41
41 a Connecting process pointed. ..... *Rhinolophus sakejiensis*
b Connecting process blunt. ..... *Rhinolophus hillorum*
42 a Horsehoe width more than 9 mm, skull length over 22 mm. 43
b Horseshoe width less than 9 mm, skull length under 21 mm. ..... *Rhinolophus darlingi*
43 a Sides of lance nearly straight. ..... *Rhinolophus deckeni*
African Chiroptera name ..... *Rhinolophus deckenii*
b Sides of lanced more or less concave. ..... *Rhinolophus silvestris*

44 a Forearm over 60.5 mm. ..... *Rhinolophus hildebrandti*
African Chiroptera name ..... *Rhinolophus hildebrandtii*
b Forearm under 60.5 mm. 45
45 a Skull length over 24.5 mm. ..... *Rhinolophus eloquens*
b Skull length under 24.5 mm. ..... *Rhinolophus fumigatus*
46 a Sella wedge-shaped, connecting process narrow and pointed. ..... *Rhinolophus blasii*
b Sella broadly rounded off above, connecting process a broadly-based triangle. ... 47
47 a Forearm 49 - 54 mm, skull length over 21 mm. ..... *Rhinolophus alcyone*
b Forearm under 49 mm, skull length shorter than 21 mm. 48
48 a Skull length over 19.3 mm. ..... *Rhinolophus guineensis*
b Skull length under 19.3 mm. ..... *Rhinolophus landeri*
49 a Skull length over 26 mm, mastoid width less or subequal to the zygomatic width. ..... *Rhinolophus maclaudi*
b Skull length less than 25 mm, mastoid width exceeds the zygomatic width. ..... *Rhinolophus ruwenzori*
African Chiroptera name ..... *Rhinolophus ruwenzorii*
50 a Skull length over 21 mm. ..... *Rhinolophus affinis*
b Skull shorter than 21 mm. 51
51 a Anterior rostral swellings very large, inflated, strongly elevated. 52
b Anterior rostral swellings moderate, less inflated. 53
52 a Posterior median swellings inflated, in profile median anterior swellings shallowly concave posteriorly; interorbital width over 2 mm. ..... *Rhinolophus malayanus*
b Posterior median swellings uninflated, in profile median anterior swellings very sharply concave posteriorly; interorbital width less than 2 mm. ..... *Rhinolophus stheno*
53 a Facial part of skull elongate, the supraorbital crest combining at a point behind the centre of the orbital cavity. ..... *Rhinolophus megaphyllus*
b Facial part of skull shorter, the supraorbital crest combining at a point above or in front of the centre of the orbital cavity. 54
54 a Skull length 20.87 mm, CM^3 8.50 mm. ..... *Rhinolophus nereis*
b Skull length less than 19.5 mm, CM^3 less than 7.5 mm. 55
55 a Noseleaf very small and narrow. ..... *Rhinolophus virgo*
b Noseleaf moderaten wider. 56
56 a Skull length usually over 18 mm, CM^3 length usually over 7 mm. ..... *Rhinolophus borneensis*
b Skull usually shorter than 18 mm, CM^3 length usually less than 7 mm. .. *Rhinolophus celebensis*
57 a Forearm 47 - 56 mm; skull length under 24.5 mm, CM^3 length less than 10 mm. ..... *Rhinolophus pearsoni*
b Forearm 51.5 - 64 mm; skull length over 24.5 mm, CM^3 length over 10 mm. ..... *Rhinolophus yunanensis*
58 a Internarial region not expanded, its width not exceeding that of the sella. *Rhinolophus macrotis*
b Internarial region expanded, much wider than sella. 59
59 a Lateral margins of internarial expansion passing beneath base of sella. 60
b Lateral margins of internarial expansion integral with margins of sella. 61
60 a Forearm more than 56 mm, CM^3 length over 8 mm. ..... *Rhinolophus rex*
b Forearm less than 57 mm, CM^3 less than 8 mm. ..... *Rhinolophus paradoxolophus*
61 a Internarial expansion trapezoid with projecting lateral wings. ... *Rhinolophus marshalli*
b Internarial expansion subcircular. 62
62 a Forearm 49 - 56 mm, skull length over 20 mm. ..... *Rhinolophus philippinensis*
b Forearm 43.5 - 46.0 mm, skull length 18.45 mm. ..... *Rhinolophus montanus*
63 a Forearm over 46 mm; CM^3 length over 20 mm. ..... *Rhinolophus acuminatus*
b Forearm under 46 mm; CM^3 length less than 19 mm. 64
64 a Lancet strongly rounded off, its outline convex. ..... *Rhinolophus convexus*
b Sides of lancet concave or nearly straight. 65
65 a Lancet long, its tip spatulate, connecting process always a long, narrow horn. 66
b Lancet shorter, its tip narrower, connecting process shorter, usually more triangular. 67
66 a Upper canines slender, posterior palatal emargination wider than anterior palatal emargination. ..... *Rhinolophus cognatus*

	b	Upper canines massive, posterior palatal emargination narrower than anterior palatal emargination. ..... *Rhinolophus imaizumi*
67	a	Upper canines long, wide-based, skull length over 17 mm; sagittal crest well developed in its full length. ..... *Rhinolophus shortridgei*
	b	Upper canines shorter, skull length usually under 17 mm; sagittal crest weaker posteriorly. 68
68	a	Forearm 41 - 46 mm, CM^3 length under 6 mm. ..... *Rhinolophus osgoodi*
	b	Forearm usually shorter, if longer than 41 mm the CM^3 length over 6 mm. 69
69	a	Rostrum narrower, M^3-M^3 width less than 5 mm. ..... *Rhinolophus subbadius*
	b	Rostrum wider, M^3-M^3 width over 5 mm. 70
70	a	CM^3 length usually over 6 mm. ..... *Rhinolophus lepidus*
	b	CM^3 length usually under 6 mm. 71
71	a	Specimen from Taiwan. ..... *Rhinolophus monoceros*
	b	Specimen outside of Taiwan. 72
72	a	Specimen from Japan. ..... *Rhinolophus cornutus*
	b	Specimen outside of Japan. ..... *Rhinolophus pusillus*
73	a	Upper canines small, CM^3 length 6.82 - 7.67 mm. ..... *Rhinolophus thomasi*
	b	Upper canines longer and stronger. 74
74	a	Specimen from Peninsular India and Sri Lanka; CM^3 length 7.88 - 9.24 mm. ..... *Rhinolophus rouxii*
	b	Specimen outside the above territories; CM^3 length 7.04 - 8.40 mm..... *Rhinolophus sinicus*
75	a	Forearm over 48 mm; skull length over 21 mm. 76
	b	Forearm under 49 mm, skull length less than 21 mm. ..... *Rhinolophus sedulus*
76	a	Noseleaf and ears yellowish; skull length under 25 mm. ..... *Rhinolophus trifoliatus*
	b	Noseleaf and ears dark brown or blackish; skull length usually over 25 mm. 77
77	a	Skull length usually over 28 mm; CM^3 length over 10.5 mm. ..... *Rhinolophus luctus*
	b	Skull length under 28 mm, CM^3 length usually under 10.5 mm. 78
78	a	Specimen from South India and Sri Lanka. ..... *Rhinolophus beddomei*
	b	Specimen from Taiwan. ..... *Rhinolophus formosae*

Appendix 5bg: Thorn and Kerbis Peterhans (2009). Small mammals of Uganda.

1	a	First and second digits both terminating in a claw. Tail membrane greatly reduced. Tail absent or much reduced. Cheek teeth simple without 'W' cusp pattern. Tragus always absent (MEGACHIROPTERA) (Pteropodidae). 8
	b	First digit only with a claw. Tail membrane well developed. Tail usually well developed (absent in one family). Cheek teeth with 'W' well developed cusp pattern. Tragus often present (MICROCHIROPTERA). 2
2	a	Tail visible. 3
	b	No visible tail (although posterior membrane may be extensive). Ears 30 - 45. No upper incisors (Megadermatidae) (Fig. 13L, 13M, pl. 3). ..... *Lavia frons affinis, Cardioderma cor*
3	a	Tail not completely included within tail membrane. 4
	b	Tail completely included within tail membrane. 6
4	a	Free terminal portion of tail emerges above the middle of the tail membrane and rests on the surface of tail membrane (basal part of tail included within tail membrane). Ears not fused nor closely positioned in the midline. One upper incisor on each side. Slender post-orbital process (Emballonuridae). 42
	b	Free terminal portion of tail projects well beyond the rear margin of tail membrane and is much longer than the tail membrane. 5
5	a	Free portion of tail very slender and long, much longer than tail membrane. Pair of discrete nasal swellings above and to the side of nasal opening (Rhinopomatidae). ..... *Rhinopoma sp.*
	b	Free portion of tail stout and short, not much longer than tail membrane. Ears mostly united in the midline or at least closely positioned. One upper incisor on each side. One or two lower incisors on each side (Molossidae). 79
6	a	Nose without fleshy superstructures and appendages or slits. Tragus present (Vespertilionidae). 44
	b	Nose region with fleshy superstructures or appendages or slits. Tragus absent or present. 7
7	a	Mid facial sagittal slit surrounded by fleshy structures. Ears meet in midline. Tragus present. Tail ends in a Y or T shape. Frontal region of skull concave/hollowed out (Nycteridae). 36
	b	Mid facial slit absent. Nose leafs with either erect tip, trident, or low and rounded horseshoe-like structure. Ears not fused in midline. Tragus absent. Tail does not end in a Y or T shape. Nasal region inflated (Hipposideridae). 22
	c	The top of the rhinarium "horsehoe" usually a rounded or squarish lobe (in a few species this bears a central and two side tall fleshy projections). The four outer toes have only two phalanges (Hipposideridea). 22
	d	The top of the rhinarium surmounted by a large triangular lobe. The four outer toes have three phalanges (Rhinolophidea). 30
8	a	Forearm (FA) 37 - 46; muzzle slender; tongue long with pointed and densely brushed tip; cheek-teeth extremely reduced (Fig. 5B). ..... *Megaloglossus woermanni*
	b	FA 47 - 137; tongue with rounded tip and not densely brushed; muzzle heavier; cheek-teeth not extremely reduced (Fig. 5A, C). 9
9	a	FA 47 - 56. 10
	b	FA 56 - 137 12
10	a	Facial pattern with both white nose spot and white eye patches, but basal white ear-tufts absent (Fig. 5L). 11
	b	Facial pattern not as above; basal white ear-tufts present FA 46 - 55; SK 28 - 31 (Fig. 5J) ..... *Micropteropus pusillus*
11	a	Post-dental palate present; FA 45 - 55; SK 24 - 27 (likely in Uganda). .. *Scotonycteris zenkeri*
	b	Post-dental palate absent; wings yellowish (Fig. 5L). ..... *Casinycteris argynnis*
12	a	Ear without basal white tuft; 5 upper and 6 lower post-canine teeth. 13
	b	Ear with basal white tuft (Fig. 5C). 3 upper and 5 lower post-canine teeth. 17
13	a	FA 109 - 130. ..... *Eidolon helvum*
	b	FA 54 - 106. 14

14 a FA 54 - 67; collar of stiff hairs in adult M SK 31 - 33; m^2 only about half size of m^1. ..... *Myonycteris torquatus*
African Chiroptera name ..... *Myonycteris torquata*
b FA 67 - 106; present or absent collar of stiff hairs in adult M SK 38 - 47; m^2 about same size as m^1. 15
15 a Wing attached to first (outer) toe; FA 85 - 106; adult M without stiff hair collar; cheek-teeth large, rectangular (Fig. 5E). ..... *Rousettus aegyptiacus*
b Wing attached to second toe; FA 67 - 93; stiff hair collar optional for adult M (Fig. 5D). 16
16 a Rear of braincase angled down from horizontal plane of toothrow; molars narrow and weak; FA 84 - 93 adult M without stiff hair collar (Fig. 5M). ..... *Rousettus lanosus*
African Chiroptera name ..... *Stenonycteris lanosus*
b Rear of braincase in line with tooth-row (from side-view (Fig. 5N)), molars large, rounded or squared; also FA 67 - 86, adult M with collar of stiff hair..... *Rousettus angolensis*
African Chiroptera name ..... *Myonycteris angolensis*
17 a FA 118 - 137; largest bat; adult lacks white shoulder-tufts; heavy horselike non-tapering muzzle, specially adult M (Fig. 5A). ..... *Hypsignathus monstrosus*
b FA 53 - 105; adult M with conspicuous white shoulder-tufts (Fig. 5C); muzzle tapers towards nostrils. 18
18 a FA 80 - 100; post-dental palate flat posteriorly, with 3 thick fleshy palate ridges between toothrows, followed by 5-6 less prominent thin, serrated curved ridges (Fig. 5K). ..... *Epomops franqueti*
b Post-dental palate concave posteriorly; with 4 thick inter-dental fleshy palate ridges, followed by 1 - 2 small post-dental ridges (Fig. 5F,G,H). 19
19 a FA 53 - 67; belly usually with pale patch. ..... *Epomophorus minimus*
b FA 67 - 93. 20
20 a 2 post-dental palate ridges, bony palate length of adult 59 - 68 % of greatest skull length; SK 83 - 94; FA 44 - 63; belly uniform gray (likely in Uganda). (Fig. 5G). ..... *Epomophorus gambianus*
b Bony palate length of adult 50 - 60% of SK. 21
21 a SK 37.5 - 48.6; 2 post dental palate ridges; FA 66 - 77; usually whitish patch on belly (Fig. 5C,H). ..... *Epomophorus labiatus*
African Chiroptera name ..... *Epomophorus labiatus*
b SK 44 - 55; 1 post dental palate ridge; FA 73 - 89; belly usually uniform (Fig. 5F). ..... *Epomophorus wahlbergi*
22 a With a round fleshy disk on the nose having an overhanging indented ledge on its upper part (but no midline forward-projecting "sails", nor nipple-like projections. .. 23
b Similar round fleshy nose disk but bearing at its top 3 nipple-like projections. 24
23 a Tail equals length of the hind legs, supporting a substantial tail-web. 25
b Tail and tail-web very much shorter than legs each side of it. 29
24 a Ear 10 - 15 long and pointed, FA 45 - 61 (Fig. 13F). ..... *Triaenops persicus*
b E 15 - 19 long and pointed, FA 49 - 55 (nearest, Kenya/Tanzania coast). *Asellia tridens*
c E 8 - 12, conspicuously round, FA 30 - 39 (nearest, Tanzania coast). *Cloeotis percivali*
25 a E 20 - 21 > half length, FA 37 - 39, ears joined across forehead (Kenya adjacent to Karamoja). ..... *Hipposideros megalotis*
b Ears separate and about one quarter to one third as long as FA. 26
26 a FA > 53. 27
b FA < 54. 29
27 a E >19, nose disk with 3 pairs of supplementary leaflets at sides, SK 22.5 - 24.2 ..... *Hipposideros abae*
b E < 19, disk with 2 pairs supplementary leaflets, SK 21 - 23.50..... *Hipposideros fuliginosus*
c SK < 20.5. 28
28 a SK 18 - 20.3; CM^3 6.4 - 7.1; nasal chambers large, FA 52 - 57 fur usually unicolor dark red-brown (Fig. 13C). ..... *Hipposideros ruber*
b SK 17 - 20.1; CM^3 5.2 - 6.6; M^2M^2 5.6 - 6.4; nasal chambers small, FA 48 - 55; fur usually bright unicolor orange-brown (Fig. 13B,B) ..... *Hipposideros caffer angolensis*
African Chiroptera name ..... *Hipposideros caffer*

c SK 16 - 18; CM^3 5.0 - 6.1; M^2M^2 5.2 - 6.0; nasal chambers small, p^1 / p_1 > half P^2 / P_2; FA 43 - 52, fur usually tricolor medium gray, or bright orange-brown. ..... *Hipposideros caffer caffer*
African Chiroptera name ..... *Hipposideros caffer*
d SK 17 - 18; CM^3 5.1 - 6.1; M^2M^2 5.2 - 6.0; nasal chambers small, P^1 / P_1 < half P^2 / P_2; FA 40 - 48; fur tricolour very dark gray-brown (Fig. 13A). ..... *Hipposideros beatus maximus*
African Chiroptera name ..... *Hipposideros beatus*

29 a T very short, supporting web, FA 85 - 112; SK 38 - 43 (likely in Uganda). ..... *Hipposideros gigas*
African Chiroptera name ..... *Macronycteris gigas*
b T short, FA 62 - 72; SK 27 - 30; CM^3 9.0 - 11.0; anteorbital fossa 7 - 15 diameter (Fig. 13D). ..... *Hipposideros cyclops*
African Chiroptera name ..... *Doryrhina cyclops*
c T short, FA 72 - 76; SK 29 - 32; CM^3 9.5 - 11.5; anteorbital 3 - 7 (Fig. 13E). ..... *Hipposideros camerunensis*

30 a Long transverse fleshy lobe projects from nose disk, quite separated from triangular peak above it; FA 53 (Fig. 13G). ..... *Rhinolophus ruwenzorii*
b Extended bilobed midline connecting-ridge from nose disk. 31

31 a Connecting-ridge front lobe rounded in profile. 32
b Connecting-ridge front lobe an erect point. 35

32 a FA 60 - 67; fur all dark brown; SK 26 - 28; CM^3 9.3 - 10.6 (likely in Uganda). ..... *Rhinolophus hildebrandti*
African Chiroptera name ..... *Rhinolophus hildebrandtii*
b Noseleaf as above, hairy; body smaller, paler. 33
c Noseleaf like above but nearly naked, body smaller and dark. 34

33 a FA 54 - 61; fur medium brown, occasionally orange; SK 22.5 - 27.0; CM^3 8.5 -9.7; usually forest edges (Fig. 13H). ..... *Rhinolophus eloquens*
b FA 47 - 55; fur medium brown; SK 22 - 24; CM^3 7.5 - 8.1; hairy noseleaf; usually open savanna (Fig. 13H). ..... *Rhinolophus fumigatus exsul*
African Chiroptera name ..... *Rhinolophus fumigatus*

34 a FA 49 - 55; medium to dark brown, SK 21.5 - 24.5; CM^3 7.8 - 8.6; M^3M^3 8.3 - 8.4; noseleaf near naked; usually forested hills (Fig. 13J). *Rhinolophus clivosus zuluensis*
African Chiroptera name ..... *Rhinolophus clivosus*
b FA 47 - 51; fur medium to dark brown; SK 20.0 - 21.9; CM^3 7.0 - 7.9; M^3M^3 8.0 - 8.3; noseleaf as above; usually open savannas (Fig. 13J). ... *Rhinolophus clivosus acrotis*
African Chiroptera name ..... *Rhinolophus clivosus*
c FA 48 - 55; fur as above; noseleaf as above; SK 23.0 - 23.3; CM^3 8.6 - 9.0; M^3M^3 8.8 - 9.1; (nearest, Kenya coast). ..... *Rhinolophus deckeni*
African Chiroptera name ..... *Rhinolophus deckenii*
d FA 43 - 50; noseleaf as above; SK 18.5 - 20.6; CM^3 7.1 - 7.8; C^1 touches large Premolar; M^3M^3 7.2 - 8.0; (nearest example from Serengeti,Tanzania). . *Rhinolophus darlingi*
e FA 40 - 49; noseleaf as above; SK 17.9 - 19.5; CM^3 6.3 - 7.0; M^3M^3 6.0 - 6.7; small p^1 between C^1 and large Premolar (likely in Uganda). ..... *Rhinolophus simulator*

35 a FA 50 - 53; noseleaf connecting-ridge has upper lobe an erect point; SK 23.0 - 24.0; CM^3 8.5 - 9.0; M^3M^3 8.3 - 8.8; small P between C^1 and large P; M often has glandular brush in armpit; bright orange brown phase is very common; forests. .... *Rhinolophus alcyone*
b FA 38 - 46; noseleaf as (a) above; SK 17.3 - 20.0; CM^3 6.4 - 7.0; M^3M^3 6.4 - 7.0; small P between C^1 and large P, often armpit brush, bright orange brown or gray-brown phases. ..... *Rhinolophus landeri*

36 a Posterior lower premolar large: equal, or close to the height of anterior cusp on m^1. Tragus with concavity at center of posterior margin, giving the tragus a 'constricted neck'. 37
b Posterior lower premolar small or minute: its height barely reaching the cingula of anterior premolar and first molar. Tragus without marked concavity at center of posterior margin of tragus (although there may be a concavity at the base of the tragus. 39

37 a FA 32 - 36.0; SK < 17.0. ..... *Nycteris nana*

	b	FA > 36.0; SK > 18.0 38
38	a	FA 36.5 - 46.0; SK 18.0 - 20.9 (likely in Uganda). ..... *Nycteris arge (includes N. intermedia)*
		African Chiroptera name ..... *Nycteris arge*
	b	FA 47.3 - 50.0; SK 21.0 - 22.5. ..... *Nycteris major*
		African Chiroptera name ..... *Nycteris macrotis*
39	a	Upper incisors trifid. Tragus semi-lunate, outer margin with smooth curve, broadest in the middle. 40
	b	Upper incisors bifid. Tragus pyriform or with flat top edge. 41
40	a	FA 37 - 41; SK 16.4 - 17.4. ..... *Nycteris hispida*
	b	FA 57 - 66; SK 23 - 25. ..... *Nycteris grandis*
41	a	Tragus the shape of upside-down pear (pyriform). Tragus with shallow notch at base of posterior margin. CM^3 6.2 - 7.0. ..... *Nycteris thebaica*
	b	Tragus with straight and + horizontal top edge, rectangular in appearance. Tragus without notch at base of posterior margin. CM^3 7.0 - 7.6. ..... *Nycteris macrotis*
42	a	FA 78 - 95; WSP 575 - 685; Blackish fur covers all parts of the head and body. ..... *Saccolaimus peli*
	b	FA 57-67; fur covers most of head and body. 43
	c	FA 61 - 69; fur above and below dark brown with pale roots, but narrow naked area on edge of rump and inguinal area; E 20, rounded, wing dark; SK 21 - 22 (likely in Uganda). ..... *Taphozous hamiltoni*
	d	FA 66 - 79; fur above and below medium gray-brown with white roots, but major naked areas across rump and flanks and lower belly; wing medium to dark brown; E 20 - 25 pointed; SK 24.5 - 26 0 (Fig. 23C). ..... *Taphozous nudiventris*
	e	FA 43 - 53; fur above and below medium to dark brown with paler roots; wings and ears pale; E 15 - 17; SK 16.5 - 18 (Fig. 23D). ..... *Coleura afra*
43	a	E. 19 - 21; SK 19 - 23; fur above grizzled with white tips and roots, below pure white except dark throat, wing with large pale area (Fig. 23B). ..... *Taphozous mauritianus*
	b	E. 17 - 20; SK 18.5 - 20; fur above dark brown with white roots, below pale gray; wing all dark. ..... *Taphozous perforatus haedinus*
		African Chiroptera name ..... *Taphozous perforatus*
	c	Similar to above except wing whitish (likely in Uganda). *Taphozous perforatus sudani*
44	a	Braincase very high above top of rostrum. 45
	b	Braincase slightly above top of rostrum or level with it. 4
45	a	2 pairs upper Incisors, 2 pairs upper Premolars ($p^{1,2}$, 3 pairs lower ($p_{1,2,3}$), Tragus long, wing tip folds directly under metacarpal, phalange 2 of 3, three times length of phalanx 1; Tragus short, curved (Genus *Miniopterus*). 55
	b	2 pairs upper Incisors; Tragus long; wing tip swings sideways; phalange 2 of 3 not very different from length of phalange 1. 46
46	a	3 pairs upper Premolars, 3 pairs lower Premolars; Tragus long; Ears stop behind eye above corner of mouth (Genus *Kerivoula*). 57
	b	1 pair upper Premolars; 2 pairs lower Premolars; Tragus short, round; lower rim of Ear curves around corner of mouth (Genus *Glauconycteris*). 61
47	a	3 pairs upper Premolars, 3 pairs lower P; Tragus long, slender (Genus *Myotis*). .. 65
	b	Less than 3 pairs upper, 3 pairs lower Premolars. 48
48	a	1 pair upper Incisors. 49
	b	2 pairs upper Incisors. 51
49	a	Skull with sharp backward projection of occipital/parietal suture = "helmet", 1 upper Premolar, front lower p_1 is half height rear P_2; Tragus long >7 mm, sickle shaped; Forearm > 40mm (Figs 23H, 26G) (Genus *Scotophilus*). 75
	b	2 pairs upper Premolars; Tragus fairly short; FA 28 - 38. 50
50	a	Thick Canines; first lower Premolar half height of second; SK 12.2 - 13.5; fur brown above, white below; FA 30 - 33 (Figs. 23G, 26F). ..... *Nycticeinops schlieffeni*
		African Chiroptera name ..... *Nycticeinops schlieffenii*
	b	Slender Canines; one obvious upper Premolar, sometimes with a minute Premolar inside the row touching Canine, 2 lower Premolars; Tragus short, rounded; Penis very long, 13 mm (Fig. 26E, Pl. 4) (Genus *Scotoecus*) 77

51 a Braincase very low and flat; HBBC 5.5; SK 14; XMST 8.5; one Premolar above, two Premolars below; wing very short and narrow, FA 26 - 29; metacarpal of 3 about 28 (Figs. 23J, 26H, Pl. 4).....*Mimitellus moloneyi*
African Chiroptera name .....Mimetillus moloneyi
b Wing not noticeably short or narrow..... 52
52 a Braincase slightly raised; one upper Premolar, two lowers; upper Incisors remote from small Canine; Ears over 18 mm (Fig. 23K). ..... Laephotis wintoni
b Outer upper Incisors near or touching Canine; Ear under 18. 53
53 a SK > 20; only one upper Premolar; occipital/parietal suture forms "helmet;" FA > 45 mm (likely in Uganda).....Eptesicus hottentotus
b SK < 20..... 54
54 a Usually with only one fairly big upper Premolar (Genus *Pipistrellus* - formerly called "*Eptesicus*") (Fig. 27) (*P. capensis, P. s. ugandae, P. guineensis, P. rendalli, P. grandidieri, P. tenuipinnis*, the last two sometimes have minute upper Premolar wedged between Canine and large Premolar, on one side or both. 67
b Usually with two upper Premolars, one large, and a tiny one wedged next to Canine *Pipistrellus* (part) *crassulus, P. hesperidus, P. rusticus, P. eisentrauti, P. nanulus, P. nanus* (also *P. rueppelli*) (Fig 27). Wing dark, fur below fairly dark specially at roots. 71
55 a FA 47 - 52; SK 16.0 - 17.0; HBBC 7.1 - 7.9 (Figs. 23E, 26A)..... *Miniopterus inflatus*
African Chiroptera name .....Miniopterus inflatus inflatus
b SK16.5 - 17.8; XMST 8.6 - 9.5; HBBC 7.6 - 8.1 (likely in Uganda).....Miniopterus africanus
c FA < 47..... 56
56 a XMST < 8.0. .....Miniopterus fraterculus
b XMST > 8.0; CM^3 5.6 - 6.0. ..... Miniopterus natalensis
c XMST 8.3 - 8.7; CM^3 6.3 - 6.7. ..... *Miniopterus schreibersi*
African Chiroptera name ..... Miniopterus schreibersii
57 a Tail web trailing edge with comb-like fringe of stiff hairs..... 58
b Tail web trailing edge with only irregular scattered soft hairs. 59
58 a FA 34 - 39; fur above reddish brown, below buff or whitish; SK 15.0 -16.1.. Kerivoula argentata
b FA 26 - 32; fur above dark gray brown, with whitish tips scattered or extensive; SK 11.5 - 13.5 (Fig. 23F).....*Kerivoula lanosa muscilla*
African Chiroptera name .....Kerivoula lanosa
59 a FA 32 - 35; SK >13.0; dark brown grizzled with whitish tips. 60
b FA 26 - 29; fur medium brown without grizzled tips (Fig. 26B). .... Kerivoula phalaena
60 a Lower outer Incisor unicuspid (others tricuspid); upper Incisors long; tragus with terminal pencil of hairs (likely in Uganda). .....*?Kerivoula smithi*
African Chiroptera name .....Kerivoula smithii
b Lower outer incisor tricuspid as others; upper incisor short (may be variation of *smithi*). ..... *?Kerivoula cuprosa*
African Chiroptera name ..... Kerivoula cuprosa
61 a Wing and tail web white, entirely covered with dark veins (reticulations); fur above without pale flank stripe; E 12 - 13, Pl. 5.....Glauconycteris variegata
b Wing and tail membrane white with sparse dark reticulation outlining bones of wing and tail; general fur color pale. Slightly paler below; E 13 - 15; FA 38 - 42; SK 13.2 - 14.6 (Fig. 23N) (likely in Uganda). .....Glauconycteris gleni
c Wing and tail membrane brown or blackish. 62
62 a Wing and tail membrane pale brown without dark reticulation; fur above medium brown with white flank stripe, below medium brown; E 8.0 - 14; SK 12.1 - 13.3. ..... Glauconycteris argentata
b Wing and tail web dark, body fur black with contrasting white flank stripes. FA < 42; SK < 13.5; E 13 - 16; (but Type of *G. egeria* is brown without spots) (Figs. 23M, 26C). ..... *Glauconycteris egeria (ssp?)*
African Chiroptera name ..... Glauconycteris egeria
c Wing and tail web dark, body fur brown, may have white spots or stripes. 63
63 a Fur color medium gray brown above and below (likely in Uganda). .... Glauconycteris poensis
b Fur color dark brown above and below. 64

64 a Often with white shoulder spots; FA 35 - 39 (Fig. 23L). ..... *Glauconycteris humeralis*
b Often with white shoulder spots and white flank stripe; FA 39 - 44. ..... *Glauconycteris alboguttatus*
African Chiroptera name ..... *Glauconycteris alboguttata*
65 a Wings bright orange with black spots; FA 52 - 59 (Pl. 5). ..... *Myotis welwitschii*
b Wings dark brown to blackish. 66
66 a FA 46 - 52; above and below fur tricolor, roots black, pale band, brown tips; SK 18.0 - 19.5. ..... *Myotis tricolor*
b FA 36 - 41; fur tips reddish brown above with black roots, whitish or buff below; SK 14.2 - 15.3 (Fig. 26D). ..... *Myotis bocagii*
67 a Wings white or buff. 68
b Wings dark brown or black. 69
68 a FA 27 - 32; SK 11.6 - 13.3; I^2 subequal to I^1; back fur dark; belly white tips over black roots, (Figs. 27D, 28H, J, M). ..... *Pipistrellus tenuipinnis*
African Chiroptera name ..... *Neoromicia tenuipinnis*
b FA 32 - 36; SK 13 - 14.2; I^2 as above; gray over whitish (Figs. 27F, 28H, J, M). ..... *Pipistrellus rendalli*
African Chiroptera name ..... *Neoromicia rendalli*
c FA 28 - 35; above gray with white grizzling; i^1 bifid; I^2 tiny (Figs. 27B, 28E, P). ..... *Pipistrellus rueppelli*
African Chiroptera name ..... *Pipistrellus rueppellii*
69 a FA 26 - 30; SK 11.3 - 11.9 (Figs. 27A, 28A, J, N). ..... *Pipistrellus guineensis*
African Chiroptera name ..... *Neoromicia guineensis*
b FA 2? - 36; SK >11.9. 70
70 a FA 27 - 32; SK 12.0 - 12.8; C^1C^1 3.1 - 3.8; SK even of older examples without "helmet" (see below); upper inner incisor often with medial secondary cusp, and sometimes with another cusp as well, outer upper incisor short but slightly longer and thinner than in capensis (see below) (Figs 27A, 28J, L). ..... *Pipistrellus ?somalicus ugandae*
African Chiroptera name ..... *Neoromicia somalica*
b FA 27 - 33; SK 12.0 - 13.7; C^1C^1 3.7 - 4.3; SK of older examples with parietal/occipital suture raised to form "helmet," outer upper incisor very stubby; inner incisor usually unicuspid, occasionally with minor secondary cusp inside (Figs 27A, 28J, K). ..... *Pipistrellus ?capensis garambae*
African Chiroptera name ..... *Neoromicia capensis*
c FA 31 - 36; SK 12.3 - 15.0; C^1C^1 4.4 - 4.7; braincase somewhat raised above rostrum, and rounded at back; rostrum rounded over the top; fur above pale brown without dark roots, below all whitish (likely in Uganda). ..... *Pipistrellus grandidieri*
71 a Upper outer incisor about $^2/_3$ length of upper inner incisor. 73
b Upper outer incisor short < $^1/_2$ length of inner. 72
72 a Upper inner incisors unicuspid; SK 12.5 - 14.0 (Figs. 27A, C, 28F, H, R). . *Pipistrellus hesperidus*
b Incisors as above; SK 10.9 - 12.2. ..... *Pipistrellus rusticus*
73 a SK > 12.0. 74
b SK 11.0 - 11.8; both upper incisors bifid; braincase slightly above rostrum; FA 24 - 31; fur very dark brown (Figs 27C, 28H, P). ..... *Pipistrellus nanulus*
c SK 11.3 - 12.4; braincase fairly high above rostrum; upper outer incisor fairly long unicuspid, inner often bifid; fur red-brown to medium brown with conspicuous black roots, ears dark (Figs. 27A, 28B, G, M). ..... *Pipistrellus nanus*
African Chiroptera name ..... *Neoromicia nana*
d Very like *nanus*, but ears pinkish, belly fur paler, sometimes has glands along tail, baculum different (likely in Uganda). ..... *Pipistrellus helios*
African Chiroptera name ..... *Neoromicia helios*
74 a SK 12.8 - 13.5; braincase hardly raised above rostrum; M^2M^2 5.7 - 6.2; FA 28 - 32; fur very dark brown (Figs. 27C, 28D, H, P). ..... *Pipistrellus crassulus*
African Chiroptera name ..... *Hypsugo crassulus*
b SK 13.5 - 15.0; braincase somewhat raised above rostrum, rostrum flat with edges forming nearly a diamond shape; M^2M^2 6.0 - 6.8; FA 30 - 36; very dark brown (Figs 27C, 28C, H, P, Q). ..... *Pipistrellus eisentrauti*
African Chiroptera name ..... *Hypsugo eisentrauti*

75 a FA 43 - 53; fur above dark brown, below pale grayish brown; SK 16.8 - 17.6; M^2M^2. 7.8 - 8.0. ..... *Scotophilus nigritellus*
African Chiroptera name ..... *Scotophilus viridis*
b FA 47 - 60; SK 18.0 - 21.0; M^2M^2 8.0 - 8.8..... 76
76 a Fur above dark olive-brown, usually with pale roots, below usually strong yellow or orange; FA 47 - 57; M^2M^2 8.1 - 8.8 (Figs. 23H, 26G)..... *Scotophilus dingani*
African Chiroptera name ..... *Scotophilus dinganii*
b Fur above and below dark brown; FA 52 - 62; M^2M^2 8.8 - 9.5. ..... *Scotophilus nux*
77 a Outer part of wing white or buff. ..... *Scotoecus albofuscus*
b Entire wing and tail web dark. 78
78 a FA 29 - 33 (F small, M big); medium brown above, gradually shading to pale mid belly; SK 12.5 - 14.0. ..... *Scotoecus hirundo*
b FA 32 - 38 (F small, M big); color as above, sometimes pure white stripe mid belly; SK 13.5 - 15.0 (Fig. 26E). ..... *Scotoecus hindei*
79 a Ear (E) 22- 42 extends beyond nostril when pressed forward; Forearm (FA) 56 - 74. 80
b E not surpassing nostril; FA < 60; Skull (SK) < 27.5. 82
80 a E > 32; tragus vestigial; FA > 62; back and belly fur in remarkable black and white patterns; SK about 27; zygoma with very high lobe (Fig. 42A). *Otomops martiensseni*
b E < 32; tragus large enough to be seen easily; FA 56 - 66..... 81
81 a Ears quite separated; fur above dark brown, white nape patch, below pure white; FA 56 - 63; SK 22.5 - 23.5 (Fig. 42D) (likely in Uganda). ..... *Tadarida lobata*
b Ears joined by fleshy bridge, tragus moderate in size; fur gray above and below; FA 57 - 66; SK 24.0 - 29.0 (Fig. 42E). ..... *Mops midas*
African Chiroptera name ..... *Mops (Mops) midas*
82 a Ears separate, not surpassing nostrils. 83
b Ears united by fleshy bridge, not surpassing nostrils. 87
83 a FA < 56. 85
b FA > 56. 84
84 a FA 56 - 62; overall gray or brown, irregular white midline below; SK 22.0 - 24.4; lower first premolar (P_1) half the height of P_2 (likely in Uganda). ..... *Tadarida fulminans*
b FA 61 - 66; similar; SK 23.5 - 26.0; P_1 and P_2 same height. ..... *Tadarida ventralis*
85 a FA 45 - 55; SK 18 - 22 (Fig. 42F). ..... *Tadarida aegyptiaca*
b FA < 40. 86
86 a Wing whitish; FA 33 - 37; ears pale and widely separated; fur above with dark brown tips, below white (Fig. 42B). ..... *Myopterus whitleyi*
b Outer half of wing and tail web pale, inner half dark, FA with sharp scales; fur above gray, below pure white (Fig. 42C) (likely in Uganda). ..... *Platymops setiger*
87 a FA < 32; dark with pale tip; fur above dark brown,below gray SK 15.5 - 17.3; front of palate notched. ..... *Mops nanulus*
African Chiroptera name ..... *Mops (Xiphonycteris) nanulus*
b FA > 32. 88
88 a Crown distinctly blackish; back dark brown, pale below with white axilar flank-stripe; FA 40 - 44; scent glands; SK 20 - 22 (Fig. 42M). ..... *Mops demonstrator*
African Chiroptera name ..... *Mops (Mops) demonstrator*
b Crown not distinctly different from back. 89
89 a Axilar flank-stripe black but belly pale gray; back and wings dark; FA 39 - 42; SK 17 - 21; front of palate notched (Fig. 42N). ..... *Mops thersites*
African Chiroptera name ..... *Mops (Xiphonycteris) thersites*
b Neither axilar stripe black, nor crown contrasting with back. 90
90 a Belly all pure white (or slightly orange); FA 34 - 41. 91
b Belly pale or dark but not pure white or pale orange. 92
91 a Belly all pure white/very pale orange (also see *M. demonstrator*, above); FA 35 - 39; SK 18.0 - 21; palate notched (Fig. 42Q). ..... *Mops brachypterus*
African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*
b Belly pure white, back pure gray or rust; FA 34 - 39; tall bicolored M brush; SK 15 - 17; palate usually entire, foramina large. ..... *Chaerephon chapini*
92 a Belly almost as dark as back, axilar flankstripe same color. 93
b Belly medium or pale, contrasting with back. 95

93 a Belly almost as dark as back, axilar stripe same; FA 52 - 59; SK 24.9 - 27.4; XIO > 8.0..... *Mops congicus*
African Chiroptera name ..... *Mops (Mops) congicus*
b FA < 54; SK < 25 (usually < 24); XIO < 6.0; body all dark. 94
94 a SK 23.5 - 25.1; palate not notched, slender M^3. .....*Mops trevori*
African Chiroptera name ..... *Mops (Mops) trevori*
b SK 20.4 - 22.1; palate not notched, big foramina; big M^3 (Fig. 42S).....*Chaerephon aloysiisabaudiae*
95 a Chin blackish contrasting with throat (sometimes in *C. aloysiisabaudiae*) too. 96
b Chin about same tone as throat and belly..... 97
96 a Head and shoulders with conspicuous pattern of white spots; FA 42.5 - 52; SK 19.3 - 25.0; palate not notched but large foramina, M^2M^2 > 8.4; M^3 large (Fig. 42K). ..... *Chaerephon bivittatus*
b Head and shoulders usually plain or a few random spots; FA 43 - 49; SK 18.3 - 20.6; palate usually notched, M^3 large; M^2M^2 < 8.4 (Fig. 42L).....*Chaerephon ansorgei*
97 a Axillar and belly pale brown; FA 42 - 47; SK 17.8 - 19.4 (likely in Uganda).*Chaerephon russatus*
b Axillar stripe white, contrasting with belly as dark as back; FA 44 - 51; SK 19.0 - 20.1 (Fig. 42R) (likely in Uganda). .....*Chaerephon nigeriae*
c Axilar stripe white but belly not white only paler than back..... 98
98 a Above dark brown, belly pale, midventral white; wings dark; FA 43 - 51; SK > 19.4; M^3 large (Fig. 42G). .....*Mops condylurus*
African Chiroptera name .....*Mops (Mops) condylurus*
b As above but SK < 19.4. 99
99 a Body color as *M. condylurus*; but wings pale or dark, FA 35 - 41; SK 15.6 - 17.0; dorsal profile sinuous, palate entire, no foramina (Fig. 42H). .....*Chaerephon pumilus*
b FA 39 - 48; SK 16.5 - 19.0..... 100
100 a Mid-abdomen pale patch extends unbroken to chest; wings pale or dark; FA 39 - 48; adult M noticeable glands each side of anus; SK 16 - 19; dorsal profile very flat, large foramina (Fig. 42J). ..... *Chaerephon major*
b Throat and mid-abdomen pale patches separated by dark zone; FA 41 - 48; SK 16.5 - 18.9; dorsal profile arched, palate notched (Fig. 42P). .....*Chaerephon bemmeleni*

Appendix 5bh: Rambaldini (2010). Glauconycteris variegata

1	a	Fur of face with white markings 2
	b	No markings present on fur of face 3
2	a	Dorsal and ventral fur black with white facial markings and shoulder spots or dorsolateral flank stripes or both; length of forearm > 45 mm. *Glauconycteris superba*
	b	Dorsal and ventral fur uniform brown with single white band along sides of face and on throat; dorsolateral flank stripe absent; length of forearm < 45 mm. ... *Glauconycteris kenyacola*
3	a	Dorsal or ventral fur extending onto parts of uropatagia or propatagia. 4
	b	No fur present on patagia. 7
4	a	Wing and tail membranes pale or brown and with conspicuous blackish-brown pigmentation of reticulated venation. 5
	b	Wing and tail membranes pale or dark brown and with faint or no pigmentation of reticulated venation. 6
5	a	Dorsal pelage bicolored and brown; wing and tail membranes dark and opaque. ..... *Glauconycteris machadoi*
	b	Dorsal pelage tricolored and pale; wing and tail membranes pale and translucent. ..... *Glauconycteris variegata*
6	a	Inner margin of tragus strongly curved; white shoulder spot and dorsolateral flank stripe present. ..... *Glauconycteris poensis*
	b	Inner margin of tragus straight; white shoulder spot and dorsolateral flank stripe not present. ..... *Glauconycteris argentata*
7	a	Dorsal and ventral fur overall pale clay or white; patagia pale white and translucent. ..... *Glauconycteris gleni*
	b	Dorsal and ventral fur brown or blackish brown; patagia brown, dark brown, or blackish brown and not translucent. 8
8	a	Inner margin of tragus concave. ..... *Glauconycteris egeria*
	b	Inner margin of tragus straight. 9
9	a	Dorsal hair tricolored and contrasting with blackish brown base, pinkish buff medial band, and umber or sepia terminal band. ..... *Glauconycteris curryae*
	b	Dorsal hair bicolored and less contrasting with blackish brown base and brown, sepia, or dark brown terminal band. 10
10	a	White shoulder spot conspicuous; 2 white dorsolateral flank stripes present. ..... *Glauconycteris alboguttata*
	b	White shoulder spot conspicuous or faint; dorsolateral flank stripes absent. 11
11	a	Ears grayish brown with long and narrow tragus. ..... *Glauconycteris beatrix*
	b	Ears yellowish brown with short and broad tragus. ..... *Glauconycteris humeralis*

Appendix 5bi: Bol et al. (2011). Introduction à l'inventaire des Chauves-souris (Chiroptères) de la ville de Maroua, Extrême-Nord Cameroun.

1	a	Second doigt terminé par une griffe, pavillon de l'oreille formant en cercle complet, tragus toujours absent, membrane interfémorale très réduite, queue absente ou rudimentaire: sous ordre des Mégachiroptères; famille des Ptéropodida. 2
	b	Second doigt dépourvu de griffe; pavillon de l'oreille ne formant pas un cercle complet, tragus généralement présent (absent dans deux familles); membrane interfémorale généralement bien développée; queue généralement bien développée (absent dans une famille): Sous ordre des Microchiroptères. 4
2	a	Absence de touffe blanche à la base des oreilles; grande taille, avant-bras 127.90 mm (M). Pelage jaunâtre ou brun jaunâtre ; queue réduit. .....*Eidolon helvum*
	b	Présence de touffe blanche à la base des oreilles et au niveau des épaules. 3
3	a	Palais présentant des sillons formant une tranchée médiane allant en se rétrécissant vers l'arrière, museau relativement large ; avant bras 46 mm (F). .....*Micropteropus pusillus*
	b	Deux sillons palataux en arrière de la dernière molaire, palais très long et étroit, quatrième sillon palatal situé à égale distance entre le troisième et le cinquième; avant-bras 74 - 79 mm (M) et 84 - 88 mm (F). ..... *Epomophorus gambianus*
4	a	Absence de feuillets nasaux ; queue complètement incluse dans l'uropatagium (famille des Vespertilionidae). 5
	b	Absence de feuillets nasaux; queue libre débordant l'uropatagium (famille des Molossidae). 10
5	a	Deux incisives supérieures de chaque coté. 6
	b	Une incisive supérieure de chaque coté. 7
6	a	Avant bras 34,8 mm (F), poils du corps unicolore de la base au sommet. .*Pipistrellus nanulus*
	b	Avant bras 30 - 33,2 mm (M) et 32,8 - 36,8 mm (F), poils du corps sombres à la base et pâle au somme. .....*Pipistrellus inexspectatus*
7	a	Avant bras supérieur à 45 mm. 8
	b	Avant bras compris entre 29 -33 mm. 9
8	a	Avant bras compris entre 49,7 - 49,8 mm (M) et 50,2 - 50,6 mm (F), ventre jaune. ..... *Scotophilus dinganii*
	b	Avant bras compris entre 48,35 - 50,25 mm (M) et 49,2 - 51,1 mm (F), ventre blanc et bande jaune entre les membres antérieurs et les membres postérieurs. ..*Scotophilus leucogaster*
9	a	Avant bras 28 - 30 mm (M), tragus court, ailes sombres et pelage du ventre blanchâtre. ..... *Scotoecus hirundo*
	b	Avant bras 32,6 - 35 mm (F), tragus court et en forme de demi lune. .....*Nycticeinops schlieffenii*
10	a	Avant bras supérieur à 40 mm, oreilles généralement conjointes. 11
	b	Avant bras généralement inférieur à 50 mm, présence d'une touffe post orale généralement bien développée. 13
11	a	Avant bras 42,40 mm (M). .....*Mops brachypterus* African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*
	b	Avant bras supérieur à 45 mm, crâne pourvu d'une crête sagittale. 12
12	a	Avant bras 45,79 - 49,11mm (M) et 46,39 - 49,71mm (F), couronne sombre mais pas comme l'arrière du corps; crâne avec une crête sagittale bien développée. .....*Mops condylurus* African Chiroptera name .....*Mops (Mops) condylurus*
	b	Avant bras 43,49 - 44,09 mm (M) et 42 - 42,60 mm (F), couronne aussi sombre que l'arrière du corps, crâne avec une crête sagittale peu développée. .*Mops niveiventer* African Chiroptera name .....*Mops (Mops) niveiventer*
13	a	Avant bras inférieur à 40 mm. 14
	b	Avant bras supérieur à 40 mm. 16
14	a	Avant bras 37,4 - 40,4 mm (M) et 38 - 41,3 mm (F), ailes blanc sombre, ventre sombre, bande blanche de part et d'autre du corps entre les ailes et les cuisses. .....*Chaerephon pumilus*
	b	Aile claire ou blanche, ventre blanc. 15

15 a Avant bras 34,9 mm, présence chez le mâle d'une longue couronne post oral doublement colorée (base sombre sommet claire), ventre blanc. *Chaerephon chapini*
b Avant bras 35,5 - 36,9 mm (M) et 33,41 - 34,59 mm (F), absence de bande blanche entre les membres supérieurs et les membres inférieurs. .... *Chaerephon leucogaster*
16 a Avant bras compris entre 40,8 - 44,5 mm (M) et 40,1 - 42,2 mm (F), oreilles reliées par une large bande, ventre dépourvu de bande blanche, ailes sombres. *Chaerephon nigeriae*
b Auréole de couleur blanche sur le ventre..... 17
17 a Avant bras 43,3 - 43,4 mm (M) et 42,1 - 42,8 mm (F), clapet triangulaire situé entre les oreilles, ligne blanche sur le ventre. ..... *Chaerephon major*
b Avant bras 41,30 mm, ventre blanc, ailes blanches. ..... *Chaerephon limbata*
African Chiroptera name ..... *Chaerephon pumilus*

Appendix 5bj: Patterson and Webala (2012). Keys to the bats (Mammalia: Chiroptera) of East Africa.

1	a	Claw present on D2 that is exposed on the edge of the wing (Fig. 4C) (Pteropodidae). 10
	b	No claw on the end of D2. 2
2	a	Uropatagium present; tail not visible, either within the membrane or emerging from it; no upper incisors; tragus forked (Megadermatidae - Fig. 7). 52
	b	Tail visible, either fully or partially enclosed in the uropatagium; upper incisors present; tragus (if present) unilobed. 3
3	a	Fleshy projections or ‘‘noseleaves’’ on the muzzle of the face. 4
	b	No fleshy projections or ‘‘noseleaves’’ on the muzzle of the face. 6
4	a	A deep longitudinal slit from the nostrils to the forehead, surrounded by fleshy projections on the muzzle oriented along its axis (Figs. 10B, D); tip of tail with Y-shaped cartilage visible through skin (Fig. 10C - Nycteridae). 60
	b	No deep longitudinal slit from the nostrils to the forehead, and any fleshy projections on the muzzle oriented perpendicularly to the muzzle (Figs. 5, 6); tip of tail without Y-shaped cartilage visible through skin. 5
5	a	Posterior noseleaf pointed or erect; three phalanges in each toe (Rhinolophidae - Fig. 5). 27
	b	Posterior noseleaf elliptical; two phalanges in each toe (Hipposideridae - Fig. 6).. 40
6	a	Tail fully enclosed in the uropatagium, with only the tip protruding from its margin. 7
	b	Tail entirely or partially free of the uropatagium (Fig. 11A). 8
7	a	Second phalanx of D3 of the wing approximately three times the length of the first phalanx, such that the wing can fold back on itself (Miniopteridae - Figs. 12, 14L). 93
	b	Second phalanx of D3 of the wing not more than twice the length of the first phalanx (Vespertilionidae - Figs. 13, 14). 97
8	a	Tip of the tail free of and emergent dorsally from the middle of the uropatagium; skull with a narrow finger-like postorbital process (Emballonuridae - Fig. 9) 54
	b	Tail entirely or partially free; skull without postorbital process. 9
9	a	Free end of the tail emerging from the trailing margin of the uropatagium, and extending little beyond it (Molossidae - Fig. 11). 68
	b	Free end of the tail long and whip-like, extending far beyond the uropatagium (Rhinopomatidae - Fig. 8). 53
10	a	Very small (FA 37 - 46 mm); slender muzzle; long tongue with dense brush at tip; cheek-teeth extremely reduced. ..... *Megaloglossus woermanni*
	b	Larger (FA > 47 mm); muzzle heavier; tongue not greatly elongated; cheek-teeth not reduced. 11
11	a	Facial pattern with white nose spot and white eye patches. ..... *Casinycteris argynnis*
	b	Facial pattern lacking white nose spot and eye patches. 12
12	a	White or yellow tuft of hair at the base of each ear; males typically with a white or yellow tuft of hair on the shoulders. 13
	b	No white or yellow tuft of hair at the base of each ear; males lacking a white or yellow tuft of hair on the shoulders (a collar of coarse hair on the neck present in some). 20
13	a	Smaller (FA , 60 mm; GLS , 31 mm); palate abruptly narrowed behind zygomatic processes; soft palate with longitudinal furrow bisecting transverse ridges, forked anteriorly. ..... *Micropteropus pusillus*
	b	Larger (FA . 60 mm; GLS . 31 mm); palate more smoothly tapered; soft palate without longitudinal furrow. 14
14	a	Larger (FA 118 - 137 mm); heavy head, muzzle not tapered; lacking white shoulder tufts. ..... *Hypsignathus monstrosus*
	b	Smaller (FA 53 - 105 mm); tapered head; adult males with conspicuous shoulder tufts. 15
15	a	Head round and snout blunt; two or more (up to seven) postdental ridges on soft palate, less robust than ridges between teeth. 16
	b	Head and snout elongate; one or two post-dental ridges on soft palate, differing little from inter-dental ridges. 17
16	a	Three palatal ridges on soft palate between cheek-teeth; two ridges behind cheek-teeth, with triangular projections. ..... *Epomops dobsonii* African Chiroptera name ..... *Epomophorus dobsonii*

b Four palatal ridges on soft palate between cheek-teeth; at least five ridges behind the cheek-teeth, these thin and serrated without triangular projections. *Epomops franqueti*

17 a Small (FA 53 - 67 mm); belly usually pale or whitish, strongly differentiated from darker collar on neck and chest (especially males); two post-dental ridges. ..... *Epomophorus minimus*

b Larger (FA 67 - 100 mm); belly and chest variable; one or two post-dental ridges. 18

18 a One post-dental palatal ridge; belly usually uniform. ..... *Epomophorus wahlbergi*

b Two post-dental palatal ridges; belly uniform or patchy. 19

19 a FA 80 - 88 mm (males) and 75 - 83 mm (females); ZB 25.5 - 27.4 mm (males) and 23.5 - 25.7 mm (females); belly uniformly grayish. ..... *Epomophorus crypturus*

b FA 66.7 - 80.3 mm (males) and 64.8 - 78.3 mm (females); ZB 21.6 - 25.3 mm (males) and 20 - 24 mm (females); usually whitish patches on belly.... *Epomophorus labiatus*

20 a Larger (FA > 109 mm). 21

b Smaller (FA < 109 mm). 23

21 a Tail not visible; no color contrast between dorsal fur and skin of the wings; fur of upper back and head distinctly more yellowish-reddish than darker fur of lower back. 22

b Short tail visible; clear demarcation between yellowish-brown fur of dorsum and naked black skin of wings; fur of upper back and head same color as fur of lower back. ..... *Eidolon helvum*

22 a Head deep reddish and belly orange; EL < 27 mm; from Pemba Island. ..... *Pteropus voeltzkowi*

b Head paler with mantle and belly yellowish; EL > 27 mm; from Mafia Islands. *Pteropus seychellensis*

23 a Stiff collar of hairs on neck, shoulders, and upper chest; reduced second upper molar (half the size of the first). 24

b Collar present or absent; second upper molar only slightly smaller than first. 25

24 a Larger (FA 66 - 75 mm) with a long and slender rostrum (muzzle); lacking lower third molar..... *Myonycteris relicta*

b Smaller (FA 55 - 67 mm) with shortened rostrum; rudimentary lower third molar. ..... *Myonycteris torquata*

25 a Larger (FA > 90 mm); dorsal pelage sparse between shoulders. ..... *Rousettus aegyptiacus*

b Smaller (FA < 90 mm); dorsal pelage not sparse between shoulders. 26

26 a TiL > 35 mm; no collar of stiff hairs in males; tail roughly 10 mm; braincase strongly deflected ventrally from axis of rostrum; premaxillaries not fused together; cheek-teeth very narrow. ..... *Stenonycteris lanosus*

b TiL < 35 mm; adult males with collar of stiff hairs; tail inconspicuous; braincase slightly deflected; premaxillaries fused; cheek-teeth broad. ..... *Lissonycteris angolensis* African Chiroptera name ..... *Myonycteris angolensis*

27 a Anterior upper premolar fully external and small or missing. 28

b Anterior upper premolar in toothrow or at most half-external. 33

28 a Sella hairy; connecting process low, forming a continuous arch; general color grayish (*fumigatus* group). 29

b Sella naked; connecting process high, bluntly rounded; general coloration not grayish (*ferrumequinum* group)..... 31

29 a FA > 61 mm; third metacarpal > 42 mm; breadth of horseshoe 12 - 15 mm; dark brown. ..... *Rhinolophus hildebrandtii*

b FA < 61 mm; third metacarpal < 42 mm; breadth of horseshoe < 11 mm; fur paler. 30

30 a GLS > 24.5 mm; breadth of horseshoe 11 mm. ..... *Rhinolophus eloquens*

b GLS < 24.5 mm; breadth of horseshoe 9.0 - 10.2 mm. ..... *Rhinolophus fumigatus*

31 a Connecting process high, pointed or rounded. ..... *Rhinolophus clivosus*

b Connecting process lower, rounded. 32

32 a Horseshoe width > 9 mm; GLS > 22 mm. ..... *Rhinolophus deckenii*

b Horseshoe width < 9 mm; GLS < 21 mm. ..... *Rhinolophus darlingi*

33 a Sella widening at base; anterior median swellings bulbous. 34

b Sella normal; anterior median swellings moderate. 36

34 a Connecting process very low; internarial septum expanded into a cup-like structure; lancet long, narrow terminally, and blunt (*maclaudi* group). 35

b Connecting process well developed; internarial septum not expanded; tip of lancet short, broad, with nearly straight sides..... *Rhinolophus maendeleo*

35 a Larger (FA > 55 mm; GLS > 24 mm). ..... *Rhinolophus ruwenzorii*
b Smaller (FA < 55 mm; GLS < 24 mm)..... *Rhinolophus hilli*
36 a Connecting process triangular in profile (*landeri* group). 37
b Connecting process rounded in profile (*capensis* group)..... 39
37 a Sella wedge-shaped, connecting process narrow and sharply pointed... *Rhinolophus blasii*
b Sella broadly rounded above, connecting process a broad-based triangle..... 38
38 a Larger (FA 49 - 54 mm; GLS > 21 mm). ..... *Rhinolophus alcyone*
b Smaller (FA < 49 mm; GLS < 19.3 mm)..... *Rhinolophus landeri*
39 a Sella broad, horseshoe width 7.0 - 8.3 mm, almost covering muzzle; EL 18 - 24 mm; CIL 17.2 - 19.2 mm..... *Rhinolophus simulator*
b Sella narrow, horseshoe width 6.8 - 7.4 mm, not covering muzzle; EL 15 - 20 mm; CIL 15.1 - 16 mm. ..... *Rhinolophus swinnyi*
40 a Posterior leaflet on noseleaf simple in outline, elliptical or rounded, not tridentate; ears separate or united by band; small upper premolar present (except in *H. megalotis*); FA 35 - 124 mm) (*Hipposideros*). 43
b Posterior leaflet of noseleaf tridentate; ears always separate; small upper premolar present or absent; FA 31 - 54 mm. 41
41 a Tip of tail projecting up to 7 mm beyond edge of uropatagium; ears large (18 - 20 mm), pointed; small upper premolar lacking. ..... *Asellia tridens*
b Tail not projecting from uropatagium; ears variable; small upper premolar present. 42
42 a Size very small (FA 31 - 35 mm); noseleaf small and inconspicuous; ears short and rounded; thumbs minute; zygoma typically shaped, not expanded. . *Cloeotis percivali*
b Size larger (FA 45 - 54 mm); conspicuous noseleaf; short but pointed ears (10 - 14 mm); normal thumbs; zygoma expanded into broad plate..... *Triaenops persicus* African Chiroptera name ..... *Triaenops afer*
43 a Size very small (FA 34 - 38 mm); ears very large (> 50% FA), linked at base by low fold across crown; small upper premolar absent. ..... *Hipposideros megalotis*
b Size larger (FA > 40 mm); ears smaller, not conjoined by integumentary fold; small upper premolar present. 44
44 a Central and posterior noseleaves each bearing a median clubshaped process; size large (FA 59 – 76 mm); ears narrow and pointed; prominent frontal gland in both sexes; dark woolly pelage distinctively frosted with gray tips. 45
b Noseleaf without club-shaped processes; size varied (FA 40 - 124 mm); ears variable, frontal gland variably present; pelage not dark woolly and frosted with gray. 46
45 a Smaller (FA 59 - 71 mm); antorbital foramen relatively large. ... *Hipposideros cyclops* African Chiroptera name ..... *Doryrhina cyclops*
b Larger (FA 74 - 76 mm); antorbital foramen relatively small..... *Hipposideros camerunensis*
46 a Size very large (FA 79 - 115 mm); ears very narrow and pointed; frontal gland in both sexes, opening by a vertical slit. 47
b Size moderate (FA 40 - 66 mm); ears broader and more rounded; frontal gland varied. 48
47 a Plagiopatagium and uropatagium uniformly dark; dorsal pelage darker with little or no contrast in dorsal coloration. ..... *Hipposideros gigas* African Chiroptera name ..... *Macronycteris gigas*
b Uropatagium, legs, and sometimes skin of forearms distinctly paler than plagiopatagium; dorsal coloration marked by contrasts, with a darker dorsal vest bordered in front, back, and ventrally by whitish markings, being purest white or cream in the armpit..... *Hipposideros vittatus* African Chiroptera name ..... *Macronycteris vittatus*
48 a Three secondary lateral leaflets alongside noseleaf; FA 58 - 66 mm; frontal gland in both sexes. ..... *Hipposideros abae*
b Two secondary lateral leaflets alongside noseleaf; FA 41 - 64 mm; frontal gland present or absent. 49
49 a Size larger (at least in East African populations), FA 59 - 64 mm; frontal gland absent. ..... *Hipposideros fuliginosus*
b Size smaller (FA 41 - 58 mm); frontal gland present in males, opening horizontally. 50
50 a Size smaller (FA 41 - 44 mm, rarely to 47); tail short (19 - 25 mm); pelage and facial skin dark gray. ..... *Hipposideros beatus*

b Size larger (FA 44 - 58 mm); tail longer (> 30 mm); pelage and facial skin paler gray or reddish. 51

51 a FA usually < 50 mm; pelage grayish (pale orange in bright phase); median posterior narial compartment narrow, with wide lateral inflations. ..... *Hipposideros caffer*

b FA usually > 50 mm; pelage brownish (rufous in bright phase); median posterior narial compartment wide, with narrow lateral inflations. ..... *Hipposideros ruber*

52 a Noseleaf longer than 15 mm, blunt on tip; tragus > 50 % EL. ..... *Lavia frons*

b Noseleaf shorter than 15 mm, rounded on tip; tragus < 50 % EL. .... *Cardioderma cor*

53 a Larger (FA 52 - 59 mm; GLS 15.5 - 19.4 mm); heavier teeth (breadth of second upper molar > 2 mm). ..... *Rhinopoma hardwickii*
African Chiroptera name ..... *Rhinopoma cystops*

b Smaller (FA 45 - 52.5 mm; GLS 14.2 - 16.2 mm); more delicate teeth (breadth of second upper molar < 1.9 mm). ..... *Rhinopoma macinnesi*

54 a FA generally > 80 mm; large with black pelage; gular sac in both sexes. *Saccolaimus peli*

b FA generally < 80 mm, smaller and paler; gular sac variably present. 55

55 a Small (FA < 56 mm; GLS < 19 mm); tragus tall and narrow, parallel-sided; no radio-metacarpal wing sac; three lower incisors. ..... *Coleura afra*

b Large (FA > 56 mm; GLS > 20 mm); tragus laterally expanded; wing sac present; two lower incisors (*Taphozous*). 56

56 a Frontal region of skull only weakly concave; rump and pygal areas at least partly naked; occipital "'helmet"' on skull more or less developed (Subgenus *Liponycterus*). 57

b Frontal areas of skull strongly concave; rump and pygal areas well haired; no occipital helmet on skull (Subgenus *Taphozous*). 58

57 a Smaller (FA 61 - 69 mm); slight but definite concavity in frontal region; hairless rump and pygal areas relatively small; occipital helmet poorly developed. ..... *Taphozous hamiltoni*

b Larger (FA 69 - 81 mm); frontal concavity virtually absent; hairless rump and pygal areas relatively large; occipital helmet well developed. ..... *Taphozous nudiventris*

58 a Gular sac present in males (sometimes also in females); whitish venter strongly contrasting with grizzled dorsal coloration. ..... *Taphozous mauritianus*

b Gular sac absent; venter paler than uniform dorsal coloration. 59

59 a Blackish or reddish beard-like throat patch variably developed in males; whitish or buffy venter; somewhat larger size (FA 60 - 70 mm) and longer ears (EL 18 - 21 mm). ..... *Taphozous hildegardeae*
African Chiroptera name ..... *Eidolon helvum helvum*

b No differentiated throat patch present; tan or brownish venter; slightly smaller (FA 57 - 67 mm) with shorter ears (EL 17 - 20 mm). ..... *Taphozous perforatus*

60 a Posterior lower premolar very small, tip reaching only to the cingulum of anterior premolar; upper incisors either bifid or trifid. 61

b Posterior lower premolar large, height about equal to anterior cusp of first molar; upper incisors bifid (Fig. 10K - *arge* group). 66

61 a Upper incisors trifid (Fig. 10L); tragus small, outer margin smooth, broadest at its mid-length (Fig. 10G - *hispida* group). 62

b Upper incisors bifid (Fig. 10K; tragus large, pear- or moonshaped, with a prominent kink in the outer margin (Fig. 10E). 64

62 a Size very large (FA 57 - 65 mm; GLS 24 - 27 mm); East African coastal forests (Fig. 10H). ..... *Nycteris grandis*

b Size moderate (FA 36 - 45 mm; GLS 15.3 - 18.4 mm); varied habitats including savannas. 63

63 a Size slightly larger (FA 37.3 - 44.5 mm; CBL 14.6 - 15.9 mm; maxillary toothrow 5.7 - 6.2 mm; mandibular toothrow 6.4 - 7.5 mm). ..... *Nycteris aurita*

b Size slightly smaller (FA 36 - 45 mm; CBL 13.2 - 15.0 mm; maxillary toothrow 4.8 - 5.8 mm; mandibular toothrow 5.4 - 6.6 mm) (Fig. 10G). ..... *Nycteris hispida*
African Chiroptera name ..... *Nycteris hispida*

64 a Tragus with squared or flattened tip; GLS > 18 mm (macrotis group). 65

b Tragus inverted pear-shaped or pyriform (Fig. 10J); GLS <= 20 mm. *Nycteris thebaica*

65 a Smaller (FA 36.1 - 41.9 mm; CBL 14.0 - 16.1 mm); fur of underparts pure white, with no trace of dark bases on the hairs; very rare. ..... *Nycteris woodi*

b Larger (FA 45 - 53 mm; CBL 16.4 - 19.6 mm); fur of underparts darker; common (Fig. 10I). ..... *Nycteris macrotis*

66 a Size small (FA 31 - 37 mm; CBL 12.8 - 14 mm; ZB 8.4 - 9.4 mm; width of braincase 6.5 - 7.4 mm; ML 9.2 - 10.7 mm; Fig. 10F). ..... *Nycteris nana*

b Size larger (FA 33.7 - 48.5 mm; CBL 14.6 - 18.8 mm; ZB 10.0 - 12.6 mm;width of braincase 7.3 - 9.0 mm;ML 10.1 - 15.9 mm). 67

67 a Slightly smaller (FA 33.7 - 38 mm; GLS 15.4 - 18.3 mm; CBL 14.6 - 15.7 mm; ZB 10.3 - 10.7 mm; ML 10.1 - 12.6 mm)..... *Nycteris intermedia*

b Slightly larger (FA 39 - 46 mm; GLS 18 - 20.3 mm; CBL 15.4 - 18 mm; ZB 10.8 - 12.6 mm; ML 12.1 - 14.2 mm); commonest of group (Fig. 10E). ..... *Nycteris arge*

68 a Large (FA > 57 mm); ears long (EL > 28 mm), conjoined on elongated snout; bicolored dorsal pelage. ..... *Otomops martiensseni*

b Large or small (FA < 66 mm); ears generally shorter (EL < 33 mm) and not joined on snout; unicolored dorsal pelage. 69

69 a Skull conspicuously flattened, depth of braincase less than one-third its width; anterior upper premolar reduced or absent; well-developed gular sac; wart-like granulations on forearm; ears widely spaced; upper lip lined with short stiff bristles. *Platymops setiger*

b Lacking the above combination. 70

70 a Ears widely separated; one pair of lower incisors; four upper cheek-teeth, the last (M^3) greatly reduced; ears and wing membranes translucent or whitish. *Myopterus whitleyi*

b Ears not widely separated, never translucent; generally two pairs of lower incisors; four or five upper cheek-teeth, the last about half the size of its neighbor; wing membranes varied. 71

71 a Inner margins of the ears coming together at the base, without a band of skin between them; posterior ridge of W-pattern on last upper molar nearly as long as the second (Fig. 11C - *Tadarida*). 90

b Band of skin between the inner margins of the ears at their bases; posterior ridge of W-pattern on last upper molar shorter. 72

72 a First upper premolar minute and outside axis of toothrow, bringing canine and posterior premolar nearly into contact; posterior ridge of last tooth of upper jaw short (<= half length of ridge next to it), little more than a stub (Fig. 11E); anterior palatal gap usually long, reaching back to level of canines (Fig. 11F - Mops). 81

b First upper premolar small but in line with canine and posterior premolar, separating them; posterior ridge of last upper molar about half as long as the second ridge; anterior palatal gap very short (Fig. 11G) or lacking, replaced by two post-incisive foramina (*Chaerephon*). 73

73 a Ears conjoined by triangular lappet of skin. ..... *Chaerephon major*

b Ears completely separated. 74

74 a Size larger (FA 41 - 53 mm). 75

b Size smaller (FA 32 - 43.3 mm). 80

75 a Paired caudal glands opening as slits on either side of the tail root below; FA 41 - 48 mm..... *Chaerephon bemmelini*
African Chiroptera name ..... *Chaerephon bemmeleni*

b Without such glands; FA 32 - 53 mm. 76

76 a White spots, stripes, or lateral bands. 77

b Without white markings. 78

77 a Color umber brown with variable pattern of white spots or short stripes arranged laterally on crown and sometimes also on shoulders or flanks; FA 46 - 52 mm. ..... *Chaerephon bivittatus*

b Conspicuous white ventrolateral band along flanks at juncture with membrane, contrasting with very dark brown color above and below; FA 45 - 51 mm. *Chaerephon nigeriae*

78 a Color umber brown; top of head, neck, and throat of males darker, almost black; FA 43 - 48 mm. ..... *Chaerephon ansorgei*

b Color uniformly russet brown; FA 42 - 53 mm..... 79

79 a Smaller (FA 42 - 46 mm). ..... *Chaerephon russatus*

b Larger (FA 51 - 53 mm). ..... *Chaerephon aloysiisabaudiae*

80 a FA 35 - 42 mm; males with long (13 - 14 mm) bicolored interaural crest (dark basally, pale distally); wings pale; venter pale with whitish band on mid-line of belly. ..... *Chaerephon chapini*

	b	FA 32 - 43 mm; males with short (<= 10 mm) unicolored (dark) interaural crest; wings dark or pale; color below variable, with or without white on mid-venter....*Chaerephon pumilus*
81	a	Size small (FA < 31 mm).....*Mops nanulus* African Chiroptera name .....*Mops (Xiphonycteris) nanulus*
	b	Size larger (FA > 34 mm)..... 82
82	a	Size large (FA > 60 mm; GLS 26 - 28 mm).....*Mops midas* African Chiroptera name .....*Mops (Mops) midas*
	b	Size smaller (FA 35 - 58 mm; GLS < 27.4 mm)..... 83
83	a	FA > 51 mm..... 84
	b	FA < 51 mm..... 85
84	a	Ears joined at base; FA 53 - 58 mm; deep chestnut coloration; wing membranes blackish brown above and a little paler below (bones appear dark). ... *Mops congicus* African Chiroptera name .....*Mops (Mops) congicus*
	b	Ears separated at base; FA 52 - 54 mm; dull cinnamon brown above with much paler pelage below; patagia and wing bones black above and much paler below (bones whitish). .....*Mops trevori* African Chiroptera name .....*Mops (Mops) trevori*
85	a	Male with scent gland at base of penis. .....*Mops demonstrator* African Chiroptera name .....*Mops (Mops) demonstrator*
	b	Male without such gland..... 86
86	a	FA 42 - 51 mm..... 87
	b	FA 34 - 41 mm..... 88
87	a	Crown darker than back; venter mainly white; skull with low or no sagittal crest; third commissure of last upper molar obsolete; deep basisphenoid pits. .*Mops niveiventer* African Chiroptera name .....*Mops (Mops) niveiventer*
	b	Crown not darker than back; little or no white on venter; skull with well-developed sagittal crest; third commissure of last upper molar present but reduced; shallow basisphenoid pits.....*Mops condylurus* African Chiroptera name .....*Mops (Mops) condylurus*
88	a	Underside brownish, with blackish flanks; larger (FA 36 - 41 mm).....*Mops thersites* African Chiroptera name .....*Mops (Xiphonycteris) thersites*
	b	Underside whitish or yellowish; smaller (FA 34 - 39 mm)..... 89
89	a	Skull with well-developed basisphenoid pits; crown of first upper premolar far surpassing cingulum of second premolar and canine. .....*Mops brachypterus* African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*
	b	Basisphenoid pits lacking; first upper premolar scarcely surpassing cingulum of second premolar and canine. .....*Mops bakarii* African Chiroptera name .....*Mops (Xiphonycteris) bakarii*
90	a	FA < 53 mm; braincase flat; lower canines widely separated at base. ..... *Tadarida aegyptiaca*
	b	FA > 55 mm; braincase deeper; lower canines more crowded..... 91
91	a	Ears very large, united along inner margins close to nostrils, projecting well beyond muzzle when laid forward; underside all white, except for flank stripe; skull (particularly rostrum) narrow. ..... *Tadarida lobata*
	b	Ears smaller, not joined at inner margin, barely projecting past muzzle when laid forward; underside not all white; skull and rostrum not slender. 92
92	a	Skull very broad and heavy (ZB 15.6 mm), especially in rostrum; GLS > 23.4 mm; FA 61 - 65 mm; underside mostly brownish. .....*Tadarida ventralis*
	b	Skull much less broad in rostral region (ZB 13.8 mm); GLS < 23 mm; FA 56 - 62 mm; underside with variable white band along ventral midline. .....*Tadarida fulminans*
93	a	Size small (FA < 42 mm; GLS < 14 mm; TiL < 16 mm). .....*Miniopterus minor*
	b	Size larger (FA > 41 mm; GLS > 14.5 mm; TiL > 16 mm). 94
94	a	Size large (FA 45 - 52 mm; GLS > 16 mm)..... 95
	b	Size smaller (FA 41 - 50 mm; GLS < 16 mm)..... 96
95	a	Metacarpal of D3 short, averaging 41.3 mm (39.3 - 43.2); post-orbital constriction narrow, averaging 3.8 mm (3.6 - 4.1)..... *Miniopterus inflatus*
	b	Metacarpal of D3 long, averaging 45 mm (41.8 - 47.7); postorbital constriction broad, averaging 4.1 mm (3.9 - 4.4)..... *Miniopterus africanus*
96	a	Size smaller (FA 41 - 46 mm; GLS 14.9 - 15 mm. .....*Miniopterus fraterculus*

	b	Size larger (FA 43 - 47 mm; GLS 15 - 15.5 mm). ..... *Miniopterus natalensis*
97	a	Ears funnel-shaped, with an indentation on the outer margin just below the tip; tragus long, narrow and sharply pointed; three premolars above and below; braincase markedly domed (*Kerivoula*). 123
	b	Ears not funnel-shaped and lacking an indentation on the trailing margin; tragus not sharply pointed; fewer premolars, or if 3/3, braincase not markedly domed. 98
98	a	Six upper and six lower cheek-teeth, the anterior-most pair in each series minute; fur long, reddish or brown (*Myotis*). 129
	b	Fewer cheek-teeth, fur never reddish. 99
99	a	Single upper incisor on each side; fur unicolored. 100
	b	Two upper incisors on each side; fur bi- or tricolored. 102
100	a	Size larger (FA > 40 mm); anterior and middle upper molars with W-pattern obsolescent; tragus long (> 7 mm) and tapering, sickle-shaped (Fig. 14O - *Scotophilus*). 138
	b	Size smaller (FA < 38 mm); two anterior molars with typical W-pattern; tragus variable but short. 101
101	a	Fur short; penis exceptionally long (13 mm); tragus broad, short and club-shaped (Figs. 14G–I); slender canines (*Scotoecus*). 135
	b	Fur longer, brown above, white below; penis shorter; tragus narrow, short and rounded (Fig. 14J); stout canines. ..... *Nycticeinops schlieffeni* African Chiroptera name ..... *Nycticeinops schlieffenii*
102	a	Two upper premolars on each side, the anterior one minute (*Pipistrellus* and *Hypsugo*). 115
	b	Single upper premolar on each side. 103
103	a	Wings very short and narrow; skull very flat and broad; tragus extremely short and blunt (Fig. 14F). ..... *Mimetillus moloneyi*
	b	Wings not narrow; skull not flattened; tragus not very short and blunt. 104
104	a	Rostrum short and broad; braincase very high; lower lip with posterior lobe; body frequently spotted, striped, or with reticulations on wing and tail membranes (*Glauconycteris*). 107
	b	Rostrum not shortened; braincase not elevated; lower lip normal; no body or wing patterns. 105
105	a	Ears (>16.5 mm) about half the length of the forearm (*Laephotis*). 128
	b	Ears much shorter than half the length of the forearm. 106
106	a	Large (FA > 45 mm); deep chocolate brown above frosted with tannish tips. *Eptesicus hottentotus*
	b	Small (FA < 40 mm); pelage variable (*Neoromicia*). 131
107	a	White markings on face; uniform brown fur with white band along sides of face and on throat. ..... *Glauconycteris kenyacola*
	b	No markings present on facial fur. 108
108	a	Dorsal or ventral fur extending onto uropatagium or propatagium. 109
	b	No fur present on membranes. 111
109	a	Wing and tail membranes reticulated with conspicuously pigmented venation; dorsal pelage pale yellow or gray and tricolored; membranes pale and translucent. ..... *Glauconycteris variegata*
	b	Wing membranes with faint or no pigmented reticulations; dorsal coloration and wing membranes varied. 110
110	a	Inner margin of tragus strongly curved (Fig. 14A); white shoulder spot and dorsolateral flank stripe present. ..... *Glauconycteris poensis*
	b	Inner margin of tragus straighter (Fig. 14E); white shoulder spot and dorsolateral flank stripe absent. ..... *Glauconycteris argentata*
111	a	Dorsal and ventral fur overall pale clay or white; patagia whitish and translucent. ..... *Glauconycteris gleni*
	b	Dorsal and ventral fur brown or blackish brown; patagia brown or dark, not translucent. 112
112	a	Inner margin of tragus concave (Fig. 14C). ..... *Glauconycteris egeria*
	b	Inner margin of tragus straight (Fig. 14B). 113
113	a	White shoulder spot conspicuous; white dorsolateral stripe present on each flank. ..... *Glauconycteris alboguttata*
	b	White shoulder spot conspicuous or faint; dorsolateral flank stripes absent. 114

114	a	Whitish shoulder spot present; ears yellowish brown; tragus short, broad, convex on outer margin, expanded at middle; TiL > 22 mm. ..... *Glauconycteris humeralis*
	b	Color of dorsum blackish brown without paler markings; ears grayish brown; tragus long, narrow; TiL < 22 mm. ..... *Glauconycteris beatrix*
115	a	Inner upper incisor entire..... 116
	b	Inner upper incisor at least weakly bifid. 118
116	a	Trailing margin of wing membrane whitish. ..... *Pipistrellus rusticus*
	b	Trailing margin of wing membrane blackish brown. 117
117	a	Skull less robust, especially in the rostrum, with lower occipital region; anterior upper premolar sometimes visible from the side. ..... *Pipistrellus aero*
	b	Skull more robust, especially in the rostrum, with elevated occipital region; anterior upper premolar never visible externally. ..... *Pipistrellus hesperidus*
118	a	Anterior upper premolar displaced medially, hidden from external view by canine and posterior upper premolar. 119
	b	Anterior upper premolar clearly visible from the side. 121
119	a	Tibia shorter than the femur; baculum enlarged distally; upper molars with a well-defined hypocone (rear inner cusp on an upper molar). ..... *Pipistrellus grandidieri*
	b	Tibia longer than the femur; baculum not distally enlarged; upper molars without distinct hypocone (Hypsugo). 120
120	a	Larger (FA 33.7 - 36.5 mm); higher braincase, frontals more elevated; supraorbital region expanded so that upper surface of rostrum assumes a pentagonal shape; posterior upper incisor more than half the length of the anterior incisor; lower incisors trifid. ..... *Hypsugo eisentrauti*
	b	Smaller (FA 27 - 32 mm); lower braincase; frontals less elevated; supraorbital region not expanded; posterior upper incisor half the length of the anterior incisor; lower incisors bifid. ..... *Hypsugo crassulus*
121	a	Smaller (FA < 31 mm; GLS < 12 mm); body large in proportion to FA; anterior premolar large, filling the triangular space between the canine and posterior premolar and separating them externally. ..... *Pipistrellus nanulus*
	b	Larger (FA > 32.4 mm; GLS > 13 mm); more proportionate body and wings; anterior premolar smaller, less extensive, bringing canine and posterior premolar closer. 122
122	a	Larger (M > 5.2 g; HBL > 43 mm; HF > 8 mm); pelage gray grizzled with white above and mostly whitish below. ..... *Pipistrellus rueppellii*
	b	Smaller (M = 5 g; HBL = 42 mm; HF = 6 mm); coloration unknown (sole specimen preserved in spirits). ..... *Pipistrellus permixtus*
123	a	Comb-like fringe of hooked, bristle-like hairs on posterior margin of interfemoral membrane. 124
	b	Interfemoral membrane without comb-like fringe. 125
124	a	Size large (FA 34 - 40 mm; GLS > 15 mm); dorsal pelage usually bright reddish chestnut, below whitish or buffy (never brown). ..... *Kerivoula argentata*
	b	Size smaller (FA 28 - 33.1 mm; GLS 11.7 mm); pelage brownish or grayish brown above and below. ..... *Kerivoula lanosa*
125	a	Larger (FA 30 - 36 mm); dorsal pelage grizzled. 126
	b	Smaller (FA 26 - 29 mm); dorsal pelage not grizzled. 127
126	a	Outer lower incisors with simple margins; upper incisors long; tragus long (Fig. 14N). ..... *Kerivoula smithii*
	b	Outer lower incisors trifid; upper incisors short; tragus short. ..... *Kerivoula cuprosa*
127	a	Fur uniformly light brown dorsally and ventrally; inner upper incisors simple. *Kerivoula phalaena*
	b	Fur dark brown at base with grayish-brown tips; inner upper incisors bifid. . *Kerivoula africana*
128	a	Larger (FA 37 - 40 mm); anterior edge of mesopterygoid fossa lying closer to tips of pterygoid hamulars than to posterior margins of third upper molar. *Laephotis wintoni*
	b	Smaller (FA 33 - 38 mm); anterior edge of mesopterygoid fossa lying closer to posterior margins of third upper molar than to tips of pterygoid hamulars.... *Laephotis botswanae*
129	a	FA < 44 mm; tragus blunt (Fig. 14K); pelage orange-rufous above..... *Myotis bocagii*
	b	FA > 47 mm. 130
130	a	Wing bones, flanks, and uropatagium parti-colored with rufous, contrasting sharply with blackish membranes of plagiopatagium; FA > 52 mm. ..... *Myotis welwitschii*

	b	Wings and uropatagium without a distinctive pattern of orange and black; FA < 55 mm..... *Myotis tricolor*
131	a	Wing membranes white, buff, or translucent..... 132
	b	Wing membranes dark. 133
132	a	Dorsal pelage blackish brown, belly with white tips over black roots; dorsum sharply contrasting with wings; FA 28 - 33 mm; GLS 12 - 13.2 mm.....*Neoromicia tenuipinnis*
	b	Dorsal pelage paler, less contrasting with belly and wings; FA 31 - 38 mm; GLS 13.5 - 13.8 mm..... *Neoromicia rendalli*
133	a	Tragus hatchet-shaped (sharp angle on posterior margin; Fig. 14T).*Neoromicia nana*
	b	Tragus not so sharply angled (e.g., Fig. 14P). 134
134	a	Cranial portion of skull not elevated; occiput with "helmet" formed by occipital and parietal bones. .....*Neoromicia capensis*
	b	Cranial portion of skull elevated above rostrum; without occipital helmet. *Neoromicia zuluensis*
135	a	Wings pale, white or buff between forearm and fingers and brown laterally; four upper cheek-teeth..... *Scotoecus albofuscus*
	b	Wing membranes dark; four to five upper cheek-teeth. 136
136	a	Smaller (FA 29 - 33.5 mm), with small cheek-teeth and skulls (GLS 12.5 - 14.3 mm); medium brown above, gradually paler to mid-belly..... *Scotoecus hirundo*
	b	Larger (FA > 32.2 mm, with larger cheek-teeth and skulls (GLS 15.5 - 16.0 mm); color as above, sometimes pure white on throat or belly..... 137
137	a	Smaller, GLS 13.5 - 15 mm; canine and cheek-teeth massive, canine-third molar length about 6.1 mm; mandible length about 11.5 mm.....*Scotoecus albigula*
	b	Larger, GLS 15.0 - 15.5 mm; canine and cheek-teeth less massive; canine-third molar length about 5.4 mm; ML about 10.3 mm. .....*Scotoecus hindei*
138	a	FA > 70 mm; GLS > 25 mm. .....*Scotophilus nigrita*
	b	FA < 60 mm; GLS < 25 mm. 139
139	a	Throat and belly pale (white, cream, or grayish); tragus short (8 - 9 mm); FA <= 51 mm; GLS <= 18 mm. ..... *Scotophilus viridis*
	b	Chest and belly variable (white, brown, or yellow); tragus long (> 9 mm); FA >= 48 mm..... 140
140	a	Light to medium brown on back, off-white to dirty brown on throat and belly. .....*Scotophilus leucogaster*
	b	Olive to dark brown above, yellow or medium brown on throat and belly..... 141
141	a	Olive brown above, bright yellow or orange-yellow below. ..... *Scotophilus dinganii*
	b	Dark brown above, medium brown on throat and belly.....*Scotophilus nux*

Appendix 5bk: Lanza et al. (2015). The bats of Somalia and neighbouring areas.

1	a	Key to suborders according to the previous classification and here reported only for historical purposes (but see O'Leary et al. 2013): suborders Megachiroptera and Microchiroptera. 2
	b	Skip suborders. 3
2	a	Second finger retaining an evident degree of indipendence from third and almost always clawed; humerus with trochiter and trochin small, the former never articulating with the scapula; angular process of mandible broad and low or practically absent; cheek-teeth simple, without well developed cusps; external ear simple with the margin forming complete ring; tragus absent (Megachiroptera). 13
	b	Second finger scarcely if at all independent from third and always claweless: humerus with trochiter and trochin large, the former often articulating with the scapula; angular process of mandible well developed, long and narrow; cheek-teeth with well developed cusps; external ear with the margin not forming a complete ring; tragus usually present (Microchiroptera). 4
3	a	Second finger always clawed in African species; margin of the ear conch forming a complete ring; cheek teeth simple without well-developed cusp pattern (Pteropodidae). 13
	b	Second finger clawless; margin of the ear conch not forming a complete ring; cheek teeth cuspidate, with generally clearly defined W-pattern. 4
4	a	Tragus present (small in Molossidae). 5
	b	Tragus absent. 12
5	a	Tail with terminal portion projecting to a marked degree free of uropatagium. 6
	b	Tail entirely enclosed within or entirely absent (a slight degree of terminal projection, up to 7 mm, occurs only in the Hipposideridae *Asellia*, but this should not lead to confusion with Emballonuridae, Rhinopomatidae or Molossidae since those families lack a noseleaf): upper incisives present or absent. 8
6	a	Free terminal portion of tail emerges above middle of upper surface of uroparagium (Emballonuridae). 36
	b	Free terminal portion of tail projecting considerably beyond hind margin of uropatagium. 7
7	a	Free portion of tail very slender and much longer than uropacagium (Rhinopomatidae, genus *Rhinopoma*). 34
	b	Free portion of tail stout, not appreciably longer than interfemoral membrane (Molossidae). 45
8	a	Tail absent; noseleaf present; upper incisors absent (Megadermatidae). 33
	b	Tail present; noseleaf present or absent; upper incisors present. 9
9	a	Muzzle without noseleaves. 10
	b	Muzzle with noseleaves (poorly developed in Nycteridídae, the only bats with tail tip ⊥-shaped). 11
10	a	Second phalanx of the third finger almost three times as long as the first phalanx of the same finger (Miniopteridae, genus *Miniopterus*). 55
	b	Second phalanx of the third finger not particularly lengthened (Vespertilionidae and Cistugidae). 57
11	a	Muzzle with a deep central longitudinal slit lined with fleshy dermal outgrowtb; tail tip ⊥-shaped) (Nycteridídae, genus *Nycteris*). 41
	b	Face with well developed noseleaves covering muzzle; tail tip not ⊥-shaped). 12
12	a	Posterior leaflet (lancet) of noseleaf subtriangular, with erect pointed tip; hallux with two, the other toes with three phalanges (Rhinolophidae - genus *Rhinolophus*)..... 19
	b	Posterior leaflet of noseleaf with upper edge either elliptical in outline, or tridentate; all the roes with two phalanges (Hipposideridae). 27
13	a	Ears with white basal tufts; shoulders of the adult male with a large glandular sac provided with a conspicuous hair tuft; post-dental palate strongly concave posteriorly; forearm length 53 - 100 mm (genus *Epomophorus*). 16
	b	Ears without white basal tuffs; shoulders of the male not as above; post-dental palate flattened posteriorly; forearm length 80 - 134 mm. 14

14 a Forearm length over 98 mm, generally 109 - 134 mm; dorsal fur restricted to a narrow median band, sharply demarcated from naked wing membranes; some specimens have a yellow to orange collar extending from the underside to the sides of the neck (genus *Eidolon*). ..... *Eidolon helvum*

b Forearm length up to 107 mm, but usually under 98 mm; dorsal fur not as above, collar always absent. 15

15 a Wing membrane originating from the first toe; tibia practically naked; throat of adult males without ruff of stiff hairs; forearm length 86 - 106 mm (exceptionally 82 and 107 mm; arithmetic mean = 89) (genus *Rousettus* - uncertain occurrence in Somalia). ..... *Rousettus aegyptiacus*

b Wing membranes originating from the second toe; tibia dorsally furred; throat of adult males with ruff of stiff hairs; forearm length 82 - 88 mm (exceptionally 72 and 90 mm; arithmetic mean = 85) (genus *Lissonycteris* - occurring in nearby areas).*Lissonycteris angolensis*
African Chiroptera name ..... *Myonycteris angolensis*

16 a Adults and subadults with one palatal ridge behind last molar (very young animals without any postdental palatal ridge); forearm length: ♂♂ 69 - 96, ♀♀ 65 - 91 mm. ..... *Epomophorus wahlbergi*

b Adults and subadults with two palatal ridges behind last molar (very young animals with only one post-dental palatal ridge); forearm length less than 80 mm..... 17

17 a Greatest skull length larger than 40 mm in ♂♂, than 36.5 in ♀♀ (uncertain occurrence in Somalia). ..... *Epomophorus labiatus*

b Greatest skull length smaller. 18

18 a x = -0.483 * zygomatic breadth + 0.588 * breadth of braincase + 0.331 * length of the upper tooth row (CM^3) larger than 87 ♂♂; x = -0.447 * zygomatic breadth + 0.780 * breadth of braincase + 0.246 * length of the upper tooth row (CM^3) larger than 116 ♀♀ (uncertain occurrence in Somalia). ..... *Epomophorus labiatus*

b x = smaller than 87 ♂♂; x = smaller than 116 ♀♀. ..... *Epomophorus minimus*

19 a Anterior upper premolar fully external, small, sometimes missing. 20

b Anterior upper premolar in toothrow or at most half-external. 24

20 a Sella hairy; connecting process relatively low forming a continuous arch. 21

b Sella naked; connecting process higher. 23

21 a Forearm length usually more than 60 mm (60 - 68 mm) (uncertain occurrence in Somalia). ..... *Rhinolophus hildebrandtii*

b Forearm length usually less than 60 mm (46 - 60.5 mm). 22

22 a Skull length (from occiput to front of canine) over 24.5 mm; forearm length 50.5 - 60.5 mm..... *Rhinolophus eloquens*

b SkuII length (from occiput to front of canine) under 24.5 mm; forearm length 46 - 60 mm..... *Rhinolophus fumigatus*

23 a Lancet with definitely concave sides; horseshoe 5.6 -8.3 mm width across, not covering the whole muzzle; connecting process relatively high and rounded, skull length (from occiput to front of canine) 18.06 (m = 20.72) 22.82 mm; forearm length under 45 mm. ..... *Rhinolophus clivosus*

b Lancet almost straight sided; horseshoe 9 -11 mm width across, covering the whole muzzle; connecting process semicircular; skull length (from occiput to front of canine) 22.56 (m = 23.35) 24.12 mm; forearm length 48 - 56 mm (occurring in nearby areas). ..... *Rhinolophus deckenii*

24 a Connecting process relatively low, rounded (sometimes very bluntly pointed in R. hipposideros); skull length (from occiput to front of canine) sometimes (in *R. hipposideros*) under 14.6 mm. 25

b Connecting process relatively well-developed and more or less triangular in profile; skull length (from occiput to front of canine) always over 17 mm. 26

25 a Forearm length 34 - 42 mm; skull length (from occiput to front of canine) under 14.6 mm (occurring in nearby areas). ..... *Rhinolophus hipposideros*

b Forearm length 40 - 49 mm; skull length (from occiput to from of canine) over 17 mm (occurring in nearby areas). ..... *Rhinolophus simulator*

26 a Lancet almost straight or only slightly concave sided; the ratio metacarpal of the 4th finger / first phalanx of the 4th finger length = 3 - 3.9; adult ♂♂ without axillary tuft of hairs. ..... *Rhinolophus blasii*

b Lancet usually with definitely concave sides; the ratio metacarpal of the 4th finger / first phalanx of the 4th finger length = 4.3 - 5.6; adult ♂♂ usually with a reddish axillary tuft of stiff hairs lying in a glandular sac. ..... *Rhinolophus landeri*

27 a Posterior leaflet of noseleaf simple in outline, elliptical or rounded, not tridentate; forearm length 32 - 115 mm (genus *Hipposideros*). 31

b Posterior leaflet of noseleaf tridentate; forearm length 31 - 54 mm. 28

28 a Tail projecting 1 - 7 mm beyond end of interfemoral membrane; ear length 16 - 20 mm; upper incisors not bifid; first upper premolar absent; zygoma abruptly expanded posteriorly, but height of expanded portion much less than distance between last molar and glenoid fossa (genus *Asellia*). 30

b Tail not projecting beyond end of interfemoral membrane; ear length 8 - 14 mm; upper incisors not or noticeably bifid; first upper premolar absent or present; zygoma slightly or greatly expanded. 29

29 a Size very mall, forearm length 30 - 39 mm; ear small, almost circular, its internal hedge entire, its length up to 10 mm, scarcely projecting above the level of the hair; noseleaf small and relatively inconspicuous; thumb minute; upper incisors not bifid; first upper premolar absent; rostrum less than half length of braincase; zygoma slightly expanded (genus *Cloeotis* - occurring in nearby areas). ..... *Cloeotis percivali*

b Size larger, forearm length 48 - 55.8 mm; ear larger, pointed, its internal hedge with a deep subapical indentation; its length 10 - 14 mm; noseleaf conspicuous, thumb normal; upper incisors noticeably bifid; first upper premolar present but functionless, very small and rarely absent; rostrum more than half length of braincase; zygoma greatly expanded throughout, but most conspicuously posteriorly, with the height of expanded portion equal to distance between last molar and glenoid fossa (genus *Triaenops*). ..... *Triaenops afer*

30 a Forearm length 41.9 - 49 mm; skull length (occiput to canine) 16 - 19 mm; condylocanine length 14 - 16 mm; zygomatic width 19 - 10.5 mm. *Asellia italosomalica*

b Forearm length 36 - 41 mm; skull length (occiput to canine) 14 - 15.6 mm; condylocanine length 12.5 - 13.5 mm; zygomatic width 6.6 - 8.3 mm (occurring in nearby areas). ..... *Asellia patrizii*

31 a Forearm length less than 40 mm (34 - 38 mm); ears very large. more than half length of forearm, linked at base by low fold of integument across crown; 1st upper premolar absent. ..... *Hipposideros megalotis*

b Forearrn length usually more than 40 mm; ears not obviously linked in any way; 1st upper premolar present. 32

32 a Forearm length more than 70 mm (78 - 115 mm). ..... *Hipposideros vittatus* African Chiroptera name ..... *Macronycteris vittatus*

b Forearm length less than 60 mm (40 - 55 mm). ..... *Hipposideros caffer*

33 a Noseleaf small, evenly rounded above, not more than 10 mm long; tragus less than half length of ear, with inner lob quadrate or rounded and outer lobe pointed (genus *Cardioderma*). ..... *Cardioderma cor*

b Noseleaf long, bluntly truncated at tip, about 20 mm long; tragus more than half length of ear, with both inner and outer lobes pointed (genus *Lavia*). ..... *Lavia frons*

34 a Tail nearly always shorter than the forearm; preorbital foramen dot-like. placed at the bottom of a large cavity; rostrum pentagonal shaped in a dorsal view; narial swellings hardly developed, always behind the level of the canines; sagittal crest prominently present; postpalaral ridge usually V-shaped; forearm length generally over 60 mm (57.3 - 71 mm) (occurring in nearby areas). ..... *Rhinopoma microphyllum*

b Tail generally longer than the forearm; preorbiral foramen dot-like, but almost superficial; rostrum triangular shaped in a dorsal view: nasal inflation of skull moderately or well developed (anterior most point of the narial swelling behind the level of the canines or at the level of the canine); forearm length generally under 70 mm (minimum 46 mm). 35

35 a Anterior most point of the narial swelling behind the level of the canines. *Rhinopoma cystops*

b Anterior most point of the narial swelling at the level of the canines. ..... *Rhinopoma macinnesi*

36 a Tragus expanded laterally, not parallel-sided, about a broad as long; radio-metacarpal pouch present; sometimes scarcely developed; glandular throat pouch present or absent; four lower incisors, large and permanent; two upper incisors, very minute and often absent in old individuals; forearm length rarely a little less than 58 mm (genus *Taphozous*). 37

b Tragus tall and narrow, parallel-sided: radio-metacarpal pouch and throat pouch absent; six lower incisors, small and apparently often deciduous in old individuals; two upper incisors, small but well-developed and permanent;·forearm length no more than 57.5 mm (genus *Coleura*)..... *Coleura afra*

37 a Forearm length 66 - 82 mm, usually exceeding 70 mm; greatest skull length (occiput to canine) 26 - 28 mm; relatively broad, almost hairless rump and pygal areas (character sometimes only scarcely evident in dry skins)..... *Taphozous nudiventris*

b Forearm length not exceeding 70 mm; greatest skull length (occiput to canine) at least 19 mm, up to 25 mm; rump and pygal areas hairy (relarively small, semi-naked rump and pygal areas only in *T. hamiltoni*). 38

38 a Entire ventral surface pure white; entire dorsal fur conspicuously grizzled greyish or brown; forearm length 57 - 66 mm; no papillae on the inner edge of ear. ..... *Taphozous mauritianus*

b Ventral surface either dusky or only partially white; dorsal fur never grizzled, either unicolor brownish or white-based with brownish tips; forearm length 57 - 70 mm; papillae on the inner edge of the ear present or absent. 39

39 a Adult males with conspicuous blackish brown, beard-like throat patch contrasting strongly with pale ventral surface; females with slight blackish wash on throat; wings whitish; underside often pure white except for throat area; forearm length 63 - 70 mm; papillae on inner edge of the ear absent (occurring in nearby areas). ..... *Taphozous hildegardeae*

b No blackish throat patch in the adult males; underside usually dusky, not whitish; wings either whitish or dark; forearm length 57 - 69 mm; papillae on the inner edge of the ear present or absent. 40

40 a Both sexes with a conspicuous almost hairless gular area; small, almost hairless rump and pygal areas; body and wings very dark; skull very broad and heavily built; forearm length 61 - 71 mm; no papillae on the inner edge of ear (uncertain occurrence in Somalia). ..... *Taphozous hamiltoni*

b Gular, rump and pygal areas hairy; wings dark or pale, body paler; skull not as above; forearm length 57 - 67 mm; a series of minute papillae on the inner edge of ear. ..... *Taphozous perforatus* African Chiroptera name ..... *Taphozous perforatus perforatus*

41 a Upper incisors trifid (at least the internal ones; caution with worn down teeth!); tragus small. 42

b Upper incisors bifid (caution with worn down teeth!); tragus large. 43

42 a Average size slightly larger; forearm length 37.3 - 45.3 mm; condylobasal length 14.6 - 16.3 mm; length of the upper tooth row (CM^3) 5.7 - 6.55 mm; length of the lower tooth (CM_3) 6.4 - 7.5 mm. ..... *Nycteris aurita*

b Average size slightly smaller; forearm length 33.5 - 43.9 mm; condylobasal length 12.8 - 15.7 mm; length of the upper tooth row (CM^3) 4.6 - 6.7 mm; length of the lower tooth row (CM_3) 5.1 - 7.6 mm. ..... *Nycteris hispida*

43 a Tragus with squared or flattened top; baculum more than 3 mm long, its apex expanded and trifid, with three variably developed processes. 44

b Tragus with rounded, pear shaped top; baculum (n = 14) 2.49 - 3.50 mm long), usually less than 3 mm long, its apex slightly expanded and simple. ..... *Nycteris thebaica*

44 a Size larger: forearm length 39.9 - 54.8 mm; condylocanine length 16.3 - 20.6 mm; length of upper tooth row (CM^3) 5.6 - 8.2 mm; baculum (n = 9) 3.84 - 5.12 mm long, its shaft usually straight, sometimes ventrally concave in lateral profile. *Nycteris macrotis*

b Size smaller: forearm length 38.0 - 43.0 mm; condylocanine length 14 - 15 mm; length of upper tooth row (CM^3) 5.6 - 6.0 mm; baculum (n = 1) 4.30 mm long, its shaft ventrally concave in lateral profile. ..... *Nycteris parisii*

45 a Size relatively small to large, forearm length 49 - 73 mm, ears very large, their length 38 - 40 mm, meeting on the protruding pig-like snout; conspicuous bicolored dorsal pelage pattern, with pale collar separating dark anterior and posterior regions of body (genus *Otomops* - occurring in nearby areas). ..... *Otomops martiensseni*

b Not combining the above characters..... 46

46 a Skull conspicuously flattened, greatest depth of braincase no more than one-third of greatest width (genus *Platymops* - occurring in nearby areas).....*Platymops setiger*

b Skull not conspicuously flattened. 47

47 a Third upper molar reduced, its commissures forming a V-shaped pattern (i. e. with only first and second commissure) or; in *Mops condylurus* an N pattern (i. e. with first, second and a variably developed third commissure, which is usually clearly shorter or much shorter than the second commissure however usually less than half of length of second commissure); usually rather well-developed sagittal and lambdoid crests; ears joined above bridge of nose by a band of folded skin; size small to large, forearm length 29 - 66 mm (genus *Mops* [Owing to the difficulty to distinguish between *Mops* and *Chaerephon* it is always advisable to look at the descriptions and iconographic of all the members of the two genera])..... 52

b Third upper molar not or slightly reduced, its commissures not always forming a clear N-shaped pattern (i.e. with first, second and a full developed third commissure), however, with third commissure usually greater than half of length of secondcommissure; usually less developed sagittal and lambdoid crests; ear separate or conjoined; size medium to large, forearm length 35 - 100 mm..... 48

48 a Anterior palatal emargination absent or rudimentary, its width always less than diameter of upper incisors; ears joined above bridge of nose by a band of folded skin; forearm length 32 - 53 mm (genus *Chaerephon* [Owing to the difficulty to distinguish between *Mops* and *Chaerephon* it is always advisable to look at the descriptions and iconographic of all the members of the two genera]). 49

b Anterior palatal emargination well-developed, about as large as base of canine, wider posteriorly than between incisors; ears just meeting above bridge of nose bur not joined by a band of skin; forearm length 45 - 100 mm (genus *Tadarida* - occurring in nearby areas). 54

49 a Size smaller; forearm length 32 - 42 mm, greatest skull length 15 - 18.1 mm; wings and uropatagium light or dark. .....*Chaerephon pumilus*

b Size larger; forearm length 44 - 51.7 mm, greatest skull length 18 - 21.3 mm; wings and uropatagium light or dark. 50

50 a Upper parts greyish-, umber- or reddish-brown, with variable pattern of white spots or short stripes arranged laterally on crown and sometimes also on flanks and shoulders; wings and uropatagium dark brown. 51

b Upper parts very dark brown, without spots or stripes; wings and uropatagium off-white (occurring in nearby areas).....*Chaerephon nigeriae*

51 a On average larger; forearm length 47 (m = 49.6) 51.7 mm (♂♂) and 46.3 (m = 49.2) 51.3 mm (♀♀); greatest skull length 20 (m = 20.8) 21.3 mm (♂♂) and 19.5 (m = 20.1) 20.8 mm (♀♀); zygomatic width 12 (m = 12.6) 13.1 mm (♂♂) and 11.7 (m =12.2) 12.8 mm (♀♀); mastoid width 11.3 (m = 11.7) 12.2 mm (♂♂) and 11 (m = 11.5) 11.9 mm (♀♀); upper toothrow length 7.3 (m = 7.6) 8 mm (♂♂) and 7 (m = 7.4) 7.7 mm (♀♀); lower toothrow length 7.7 (m = 8.3) 8.7 mm (♂♂) and 7.5 (m = 8) 8.5 mm (♀♀). Darker wings, more spotting of the dorsal pelage, and less contrast between the abdomen and the dark throat (occurring in nearby areas)..... *Chaerephon bivittatus*

b On average smaller; forearm length 44.4 (m = 46.2) 48.3 mm (♂♂) and 43 (m = 45.8) 47.9 mm (♀♀); greatest skull length 19.1 (m = 19.8) 20.5 mm (♂♂) and 18.6 (m = 19.4) 20.3 mm (♀♀); zygomatic width 11.1 (m = 11.8) 12.2 mm (♂♂) and 11 (m = 11.4) 12.2 mm (♀♀); mastoid width 10.2 (m = 12.08) 11.2 mm (♂♂) and 10.2 (m = 10.7) 11.1 mm (♀♀); upper toothrow length 7 (m = 7·3) 7.7 mm (♂♂) and 6.8 (m = 7.2) 7.6 mm (♀♀); lower toothrow length 7.4 (m = 7.8) 8.2 mm (♂♂) and 7.3 (m = 7.6) 8.1 mm (♀♀). Paler wings, less spotting of the dorsal pelage, and more contrast between the abdomen and the dark throat (occurring in nearby areas). ..*Chaerephon ansorgei*

52 a Size larger, forearm length 57 - 66 mm; greatest skull length 26 - 28 mm; third commissure of M^3 lacking. .....*Mops midas*
African Chiroptera name .....*Mops (Mops) midas*

b Size smaller, forearm length 31 - 50 mm; greatest skull length less than 24 mm; third commissure of M^3 well developed or lacking. 53

53 a Size larger, forearm length 43 - 51 mm; greatest skull length 20 - 23 mm; third commissure of M^3 well developed (Fig. 202). ..... *Mops condylurus* African Chiroptera name ..... *Mops (Mops) condylurus*
b Size smaller, forearm length 31 - 38 mm; greatest skull length 18 mm, third commissure of M^3 extremely reduced (occurring in nearby areas). *Mops brachypterus* African Chiroptera name ..... *Mops (Xiphonycteris) brachypterus*
54 a Forearm 60.8 - 66 mm long (occurring in nearby areas). ..... *Tadarida ventralis*
b Forearm 42 - 56 mm long (occurring in nearby areas). ..... *Tadarida aegyptiaca*
55 a Size small, forearm length no more than 40 mm, condylobasal length 13 - 14 mm (occurring in nearby areas). ..... *Miniopterus minor*
b Size larger, forearm length more than 40 mm; condylobasal length 13.6 - 17 mm. 56
56 a Size larger, forearm length 45 - 51 mm, condylobasal length 15 - 17 mm. *Miniopterus inflatus*
b Size smaller, forearm length 42 - 50 mm (usually < 45 mm), condylobasal length 14 - 16 mm (occurring in nearby areas). ..... *Miniopterus schreibersii sensu lato* African Chiroptera name ..... *Miniopterus schreibersii*
57 a Wing extremely narrow, third digit shorter than head and body length; tragus extremely short and blunt; skull remarkably flat and broad (genus *Mimetillus* - occurring in nearby areas)..... *Mimetillus moloneyi*
b Not as above 58
58 a One upper incisor on each side (very rarely two upper incisors in *Nycticeinops*)... 59
b Two upper incisors on each side. 61
59 a Larger size; forearm length more than 45 mm (genus *Scotophilus*). 72
b Smaller size; forearm length less than 40 mm. 60
60 a Anterior lower premolar about half the crown area of the next premolar; upper canine with rounded anterior face; tragus almost half-moon-shaped; rostrum not broadened; palatal emargination well-developed but relatively narrow; penis not particular long (genus *Nycticeinops*). ..... *Nycticeinops schlieffenii*
b Lower premolars subequal in crown area; upper canine with broad, flat or grooved anterior face; tragus very short and dumpy; rostrum noticeably broadened, particularly across lachrymals; palatal emargination broader; penis greatly elongated (genus *Scotoecus*). ..... *Scotoecus albigula / hindei / hirundo* African Chiroptera name ..... *Scotoecus*
61 a Lower lip with fleshy lobe at posterior angle, connected by a ridge with the lobe of the ear; sometimes a body pattern of spots and/or stripes, or a conspicuous reticulation of wing and tail membranes (genus *Glauconycteris*). 63
b Not as above. 62
62 a Upper premolars 3 - 3 genus *Myotis* - occurring in nearby areas). ..... *Myotis sp.* African Chiroptera name ..... *Myotis*
b Upper premolars 1 - 1 or 2 - 2 (genus *Pipistrellus*). [The following key entries are adopted from Rosevear (1965) and pertain to West African "*Eptesicus*" species, but could be useful] 65
63 a Wing and uropatagium without a distinct reticulared pattern. 64
b Wing and uropatagium conspicuously reticulated. ..... *Glauconycteris variegata*
64 a Distinctive whitish facial marking on the nose, chin and at the bases of the ears; dorsal pelage darker and lacking pale cream dorso-lateral bands (occurring in nearby areas). ..... *Glauconycteris kenyacola*
b No distinctive whitish facial markings; dorsal pelage light brownish grey, usually with pale flank stripes (occurring in nearby areas). ..... *Glauconycteris argentata*
65 a Wings white or translucent. 66
b Wings dark. 68
66 a The white or transparent wings contrast very strongly with the blackish-brown pelage of the upper; forearm usually less than 32 mm; inner upper incisors with bifid crowns; skull not more than 13 mm long. ..... *[Pipistrellus (Neoromicia)] tenuipinnis* African Chiroptera name ..... *Neoromicia tenuipinnis*
b The transparent wings not in such marked contrast with the pale to medium-brown pelage; forearm usually over 32 mm: inner upper incisors with simple crowns; skull greater than 13 mm long. 67

67 a Pelage buffy-brown above, dirty white below; tragus curved (fig. 67d; our fig. 263D [should be 255D]); inner upper incisor with a prominent hook about half way up its posterior surface (Fig. 70d; our Fig. 261D [should be 253D]). ..... *[Pipistrellus (Neoromicia)] rendalli*
African Chiroptera name ..... *Neoromicia rendalli*
b Pelage deeper red-brown above, a little paler below; tragus almost straight-sided, hatchet-shaped above (fig. 67a; our Fig. 263A [should be 255A]); upper incisors without a posterior hook. ..... *[Pipistrellus (Neoromicia)] brunneus*
African Chiroptera name ..... *Neoromicia brunnea*
68 a Forearm over 45 mm; tibia over 19 mm; skull over 18 mm long. ..... *platyops*
African Chiroptera name ..... *Eptesicus platyops*
b Measurements less than above. 69
69 a Forearrn less than 28 mm; total length of middle finger less than 50 mm; skull not more than 11 mm long. 70
b Measurements greater than above. 71
70 a Total length of middle finger less than 40 mm; colour of back blackish. ..... *pusillus*
African Chiroptera name ..... *Neoromicia "incertae-sedis"*
b Total lengrh of middle finger over 40 mm; colour of back chestnut. ..... *[Pipistrellus (Neoromicia)] guineensis*
African Chiroptera name ..... *Neoromicia guineensis*
71 a Fur very long (8 mm); skull less than 12.5 mm long and lacking a posterior "helmet" (fig. 69; our Fig. 260C [should be 252C]). ..... *[Pipistrellus (Neoromicia)] somalicus*
African Chiroptera name ..... *Neoromicia somalica*
b Fur only moderately long; skull at least 12.5 mm long and with a more or less pronounced "helmet" formed by the junction of sagittal and occipital crest (fig. 68; our Fig. 260B [should be 252B]). ..... *[Pipistrellus (Neoromicia)] capensis*
African Chiroptera name ..... *Neoromicia capensis*
72 a Using key from Aellen (1956) 73
b Using key from Meester et al. (1986) 74
73 a Forearm about 85; total length of skull 30 or more. ..... *Scotophilus gigas [= nigritus].*
African Chiroptera name ..... *Scotophilus nigrita*
b Forearrn about 43 to 51; total length of skull 16 to 18 or more. *Scotophilus leucogaster*
74 a Size large, forearm length 70 - 80 mm; total length of skull more than 30 mm. ..... *Scotophilus nigrita*
b Size smaller, forearm length 43 - 65 mm; total length of skull 16 - 23 mm. 75
75 a Forearm length 50 - 60 mm; total length of skull 20 - 23 mm. ..... *Scotophilus dinganii*
b Forearm 43 - 52 mm; total length of skull 16 - 20 mm. 76
76 a Occurring in Namibia. ..... *Scotophilus leucogaster*
b Not occurring in Namibia. ..... *Scotophilus viridis*

Appendix 5bl: Van Cakenberghe et al. (2017). The bats of the Congo and of Rwanda and Burundi revisited (Mammalia: Chiroptera).

1	a	Cheekteeth without W-pattern of cusps; second finger with claw; tail absent or rudimentary; interfemoral membrane reduced; ears very short, well separated, no tragus; margin of ear forming a complete ring (family Pteropidae). 9
	b	Cheekteeth with W-pattern of cusps; second finger entirely included in patagium and without claw; tail generally well developed; interfemoral membrane developed; ears very short to very long, widely separed or joined; tragus present in most cases (except for Rhinolophidae, Rhinonycteridae and Hipposideridae). 2
2	a	Tail more or less completely included in uropatagium (in certain forms the last vertebra can be free). 3
	b	Tail not completely included in uropatagium. 8
3	a	No nasal appendages; tragus conspicuous; ears very short to very long, widely separated or joined, but not fused in the mediosagittal plane. 64
	b	Nasal appendages present. 4
4	a	No tragus or tragus inconspicuous; ears very short to medium, not fused mediosagitally. 5
	b	Tragus present (sometimes small); ears fused or very close to each other mediosagitally. 6
5	a	Posterior leaflet of nose-leaf low, rounded or with three pointed projections (tridentate); two pedal phalanges; tragus inconspicuous. 43
	b	Posterior leaflet of nose-leaf high, erect, pointed; three pedal phalanges; no tragus (family Rhinolophidae, genus *Rhinolophus*) 53
6	a	Tail shorter than uropatagium; no postorbital processes; no premaxillae present; noseleaf very large, comparatively simple; tragus very conspicuous, bifid (family Megadermatidae). 7
	b	Tail as long as uropatagium; last vertebra Y- or T-shaped; postorbital process and premaxillae present; noseleaf is formed by a longitudinal slit bordered by fleshy outgrowths; tragus conspicuous, not bifid (family Nycteridae). 35
7	a	Noseleaf less than 15 mm; pelage grey without yellow tinge; frontal shield of skull strongly concave, minimum breadth of shield less than 6.5 mm. ..... *Cardioderma cor*
	b	Noseleaf over 18 mm; pelage bluish-grey, generally with yellowish tinge; frontal shield of skull comparatively flat, minimum breadth of shield over 6.5 mm. ..... *Lavia frons*
8	a	Basal part of tail included in uropatagium; distal part of tail resting free on the dorsal side of the uropatagium; ears very short, widely separated, not fused, backwards-pointing; tragus conspicuous (family Emballonuridae). 31
	b	Distal part of tail (ca half the width of the interfemoral membrane) not included in uropatagium and not resting on the dorsal side of the uropatagium; ears short, mostly united to each other by a cutaneous wall (family Molossidae). 108
9	a	Tongue simple, fixed to floor of mouth by posterior half, and without unfringed filiform papillae at tip; muzzle not elongated. 10
	b	Tongue more extensible, fixed to floor of mouth by its posterior third, its terminal fourth or fifth covered above with unfringed filiform papillae ("brush-tipped"), muzzle elongated. ..... *Megaloglossus woermanni*
10	a	Facial pattern of white nose and eye patches. 11
	b	No facial pattern. 12
11	a	White tufts at base of ears inconspicuous or absent; bony palate extending well beyond teeth; rostrum, when viewed laterally, not upturned. *Scotonycteris bergmansi*
	b	White tufts at base of ears present, although sometimes inconspicuous; no postdental bony palate; rostrum, when viewed laterally, upturned. ..... *Casinycteris argynnis*
12	a	No white tufts present at base of ears, or tufts inconspicuous. 13
	b	White tufts at base of ears present, although sometimes inconspicuous. 17
13	a	Facial axis of skull not noticeably deflected against basicranial axis; forearm 54 - 90 mm, length second digit 71 - 81 % of forearm; toes partially webbed; cheek teeth squarish or oblong; 6 + 2 or 7 + 2 palatal ridges (genus Myonycteris). 14
	b	Facial axis of skull more or less strongly deflected against basicranial axis; forearm 75 - 130 mm, length of second digit 64 - 71 % of forearm; toes not webbed; cheek teeth oblong; 7 + 1 palatal ridges. 16
14	a	Tibia dorsally furred; P4 and M1 squarish in outline; two lower incisors; M3 reduced

but present; forearm 68 - 88 mm (♂♂) and 67 - 90 mm (♀♀); weight 60 - 97 g (♂♂) and 60 - 100 g (♀♀); third metacarpal 73 - 75 % of forearm length; tibia 42 - 46 % of forearm length. ..... *Myonycteris angolensis*

b Tibia dorsally practically naked over distal quarter to third; P4 and M1 oblong in outline; one or two lower incisors; M3 reduced or absent; forearm 54 - 76 mm; third metacarpal 67 - 73 % of forearm length; tibia 36 - 43 % of forearm length. 15

15 a Interfemoral membrane only furred near legs; palatal ridge pattern 6 + 2 (sometimes 7 + 2); two lower incisors; M3 absent; forearm 65 - 76 mm. ..... *Myonycteris relicta*

b Interfemoral membrane wholly furred; palatal ridge pattern 7 + 2; one or two lower incisors; M3 reduced but normally present; forearm 54 - 68 mm. *Myonycteris torquata*

16 a Forearm 115 - 130 mm; M1 equal in length to M2 and M3 combined; tympanic forming a short tubular bony auditory meatus; premaxillae spaced in front; colour generally tawny. ..... *Eidolon helvum*

b Forearm 79 - 107 mm; M1 shorter than M2 and M3 combined; tympanic not forming a bony auditory meatus; premaxillae in contact or co-ossified in front; colour generally not tawny nor yellowish. 22

17 a Cheekteeth 4/5 , 4/6 or 5/6; unusual weak dentition; interfemoral membrane greatly reduced; calcar absent or rudimentary; forearm 47 - 53 mm. ..... *Plerotes anchietae*

b Cheekteeth 3/5; interfemoral membrane well developed; calcar present; forearm generally larger (except for Micropteropus). 18

18 a Size very large, forearm 118 - 133 mm; rostrum very deep, end of muzzle truncated, ending in fleshy plate; no white shoulder tuft in ♀. ..... *Hypsignathus monstrosus*

b Size smaller, forearm 45 - 100 mm; rostrum shallow, end of muzzle simple; white shoulder tuft in ♀. 19

19 a Forearm 60 - 100 mm 20

b Forearm 45 - 55 mm 21

20 a Six prominent palatal ridges, not more than two being post-dental; the latter not differentiated from inter-dental ridges; post-dental palate strongly concave posteriorly (genus *Epomophorus*). 24

b Five, or 9 - 11, palatal ridges, with sometimes from 5 to 7 post-dental; latter strongly differentiated from inter-dental ridges; post-dental palate flattened posteriorly (genus *Epomops*). 29

21 a Rostrum broad; 5 - 6 palatal ridges, obviously divided by median groove (genus *Micropteropus*). 30

b Rostrum slender; 12 - 13 palatal ridges, only posterior group narrowly divided. ..... *Nanonycteris veldkampii*

22 a Pm1 subequal in bulk to a lower incisor; premaxillae co-ossified; braincase slightly deflected; wings from second toe; fur long and silky; forearm 79 - 83.5 mm. ..... *Myonycteris angolensis*

b Pm1 much larger in bulk than a lower incisor; premaxillae in contact; braincase conspicuously deflected; forearm at least 82.0 mm; tibia furred or naked. 23

23 a Braincase moderately deflected; width of last upper premolar about 1/3 of palate between fronts of last upper premolars, clearly larger than half their lengths; wings from first toe (occasionally between first and second); antitragal lobe distinct; fur short; tibiae dorsally practically naked; predominantly in lowland areas; forearm 85 - 107 mm (♂♂) and 82 - 107 mm (♀♀); weight 111 - 168 g (♂♂) and 100 - 155 g (♀♀). *Rousettus aegyptiacus*

b Braincase strongly deflected; cheekteeth excessively narrow; width of last upper premolar about 1/5 of that of the palate between fronts of last upper premolars, about half their lengths or slightly more; wings from second toe (occasionally between first and second); antitragal lobe obsolete; fur long and coarse; tibiae dorsally furred; mostly above 1000 m; forearm 85 - 94 mm (♂♂) and 85 - 95 (♀♀); weight 102 - 140 g (♂♂) and 94 - 162 g (♀♀). ..... *Stenonycteris lanosus*

24 a One conspicuous, thick postdental palatal ridge; total length of skull 44.4 - 57.3 mm (♂♂), 41.0 - 55.5 mm (♀♀); forearm 72 - 95 mm (♂♂), 67 - 89 mm (♀♀). ..... *Epomophorus wahlbergi*

b Two postdental palatal ridges 25

25 a Size small to medium; total length of skull < 50 mm (♂♂) and < 46 mm (♀♀); forearm < 80 mm (♂♂) and < 76 mm (♀♀). 26

b Size larger; total length of skull > 51.8 mm (♂♂) and > 44 mm (♀♀); forearm > 80 mm

(♂♂) and > 75 mm (♀♀); fourth palal ridge mid-way between third and fifth. ..... *Epomophorus crypturus*

26 a Two thick postdental palatal ridges in ♂♂, one postdental and one partially postdental in ♀♀; total length of skull 47.1 mm (♂), 38.7 and > 41.2 mm (♀♀); forearm 77 mm (♂♂), 68 - 74 mm (♀♀) (otherwise known from Malawi and SW Tanzania only). ..... *Epomophorus anselli*

b Two thick postdental palatal ridges in both sexes; total length of skull < 48 mm (♂♂) and < 46 mm (♀♀); forearm < 80 mm (♂♂) and < 76 mm (♀♀). 27

27 a Size smaller; total length of skull < 40 mm (♂♂) and < 36.5 mm (♀♀).. *Epomophorus minimus*

b Size medium; total length of skull > 40 mm (♂♂) and > 36.5 mm (♀♀)..... 28

28 a Size larger; forearm 66.7 - 80.3 mm (♂♂) and 64.8 - 78.3 mm (♀♀); weight 54 - 99 g (♂♂) and 51 - 81 g (♀♀); mainly woodlands. Distributed from NE Nigeria over S Sudan to Eritrea and to NE Tanzania; furthermore known from few localities in DRC, Malawi and SE Kenya. ..... *Epomophorus labiatus*

b Size smaller; forearm 57.0 - 68.9 mm (♂♂) and 54.1 - 67.6 mm (♀♀); weight 32 - 58 g (♂♂) and 25 - 62 g (♀♀); mainly woodlands. Distributed in E Sudan, Ethiopia, Somalia, lower parts of Kenya to S Malawi. ..... *Epomophorus minor*

29 a Four thick, prominent interdental and about 5 - 7 thinner postdental palate ridges. ..... *Epomops franqueti*

b Three thick and prominent interdental palate ridges; postdental palate with two pairs of prominent, triangular ridges at middle and one or a few thin and serrate ridges at palation border. ..... *Epomops dobsonii*
African Chiroptera name ..... *Epomophorus dobsonii*

30 a Forearm 50 - 53 mm; total skull length 29 - 29.8 mm. ..... *Micropteropus pusillus*

b Forearm 59 - 63 mm; total skull length 33.2 - 33.4 mm. .... *Micropteropus intermedius*

31 a Six lower incisors; two or four upper incisors; forearm normally less than 52 mm. ..... *Coleura afra*

b Four lower incisors; two upper incisors (very minute, often absent); forearm more than 57 mm..... 32

32 a Forearm more than 80 mm (83 - 96 mm); total skull length 30 - 33 mm; skull with shallow frontal depression; no radio-metacarpal pouch; bullae complete; fur dark at base. ..... *Saccolaimus peli*

b Forearm less than 80 mm; total skull length 20 - 28 mm; skull with shallow (T. nudiventris) or deep frontal depression; radio-metacarpal pouch present; bullae incomplete; fur light at base. 33

33 a Forearm more than 70 mm, posterior part of body naked above and below. *Taphozous nudiventris*

b Forearm less than 70 mm; body fully haired. 34

34 a Dorsally light brown, ventrally pale grey to dark greyish-brown; throat usually sepia-brown, darker than belly; no gular patch in either sex; forearm 60 - 67 mm. *Taphozous perforatus*
African Chiroptera name ..... *Taphozous perforatus perforatus*

b Dorsally grizzled grey, ventrally pure white or stained yellowish; throat white; large gular sac in male; forearm 58 - 64 mm. ..... *Taphozous mauritianus*

35 a Second premolar of lower jaw large (equal to or larger than half of the first lower premolar); I1-2 bifid (I2 exceptionally trifid); marked constriction halfway along the height of the tragus (*arge*-group). 38

b Second lower premolar small (smaller than half of the first lower premolar); I1-2 bi- or trifid; no constriction in the tragus. 36

36 a I1-2 bifid..... 37

b I1-2 trifid (*hispida*-group). 41

37 a Tragus semilunate (*macrotis*-group). 42

b Tragus pyriform (free portion narrowest at base; its outer and inner margin evenly convex); forearm length 42 - 52 mm; ear length 28 - 37 mm (*thebaica*-group). *Nycteris thebaica*

38 a Forearm length more than 39 mm; skull length more than 19 mm. 39

b Forearm length less than 38 mm; skull length less than 19 mm..... 40

39 a Forearm length 47.3 - 50 mm; skull length 20.9 - 22.4 mm; ear length measuring 50 - 65 % of forearm length. ..... *Nycteris major*

b Forearm length 39.5 - 46 mm; skull length 19.3 - 20.9 mm; ear length measuring 63 - 77 % of forearm length. ..... *Nycteris arge*

40 a Forearm length 36.5 - 37 mm; skull length 18 - 18.7 mm; tibia longer than half the forearm length. ..... *Nycteris intermedia*

b Forearm length 32 - 36.2 mm; skull length 15.9 - 16.6 mm; tibia shorter than half the forearm length. ..... *Nycteris nana*

41 a Forearm length 39 - 43 mm. ..... *Nycteris hispida*

b Forearm length 57 - 66 mm. ..... *Nycteris grandis*

42 a Forearm length 45 - 52 mm; ear length 22 - 34 mm. ..... *Nycteris macrotis*

b Forearm length 37 - 42 mm; ear length 29 - 34 mm. ..... *Nycteris parisii*

43 a Posterior leaflet of noseleaf simple in outline, elliptical or rounded, not tridentate; ears either separate or united by low band; rostrum at least half as long as braincase; small upper premolar present; forearm over 40 mm (family Hipposideridae, genera *Doryrhina, Hipposideros, Macronycteris*). 45

b Posterior leaflet of noseleaf tridentate; ears always separate; rostrum sometimes less than half as long as braincase; small upper premolar present or absent; forearm 31 - 54 mm. 44

44 a Rostrum less than half as long as braincase; ears low, 8 mm, rounded, rim-like; tridentate nose-leaf; small, forearm 31 - 35 mm; tail not projecting beyond end of interfemoral membrane; two upper premolars on each side; M3 not reduced (family Rhinonycteridae). ..... *Cloeotis percivali*

b Rostrum at least half as long as braincase; ears large, 18 - 20 mm with pointed tip; larger, forearm 44 - 54 mm; tail projecting up to 7 mm beyond end of interfemoral membrane; one upper premolar on each side; M3 greatly reduced (family Hipposideridae). ..... *Asellia tridens*

45 a Ears long and narrow, pointed; cochleae greatly expanded, their width equal to at least 4 times the distance between them. 49

b Ears short, broad, rounded or triangular; cochleae not expanded, their width approximately equal to the distance between them. 46

46 a Ears rounded or broadly triangular; bluntly pointed upper incisors weak, the outer lobe obsolescent or obsolete; crown area of outer lower incisors equal to or only slightly greater than that of the inner lower incisors. 50

b Ears triangular; pointed upper incisors strong, usually retaining much of the outer lobe; crown area of the outer lower incisors much greater than that of the inner lower incisors. 47

47 a Ears with a small projection at the antitragal fold; sphenoidal bridge narrow, not concealing lateral apertures; pterygoid wings underdeveloped; forearm 58 - 66 mm. ..... *Hipposideros abae*

b Ears without antitragal modification; sphenoidal bridge wide, partially concealing lateral apertures; pterygoid wings expanded; forearm 78 - 114 mm. 48

48 a Number of lateral leaflets 3; smaller on average, forearm 93 - 106 mm (♂♂) and 84 - 101 mm (♀♀); pelage shorter, not slightly wooly; predominantly in savannas. ..... *Macronycteris vittatus*

b Number of lateral leaflets 3 or 4; larger on average, forearm 100 - 124 mm (♂♂) and 95 - 116 (♀♀); pelage longer, slightly wooly; predominantly in forests. . *Macronycteris gigas*

49 a Smaller, length of forearm less than 74.0 mm; anteorbital foramen relatively large. ..... *Doryrhina cyclops* African Chiroptera name ..... *Doryrhina cyclopsar*

b Larger, length of forearm exceeding 74.0 mm; anteorbital foramen relatively small. ..... *Hipposideros camerunensis*

50 a Posterior nose-leaf without a transverse supplementary structure developed from its posterior face or with such a structure low, undeveloped and lacking a serrated upper edge. ..... *Hipposideros fuliginosus*

b Posterior nose-leaf having a transverse supplementary structure with a serrated upper edge developed from its posterior face. 51

51 a Anterior upper premolar small, slightly extruded from toothrow, or compressed between canine and second upper premolar. 52

b Anterior upper premolar minute, extruded from toothrow, canine and second upper premolar in contact or nearly so. ..... *Hipposideros beatus*

52 a Frontal sac opening in both sexes; forearm generally less than 48 mm (42 - 52 mm); tibia 18 - 22 mm; dorsal pelage greyish or pale orange; median posterior narial compartiment of nasal swelling relatively narrow, with wide lateral inflations. ..... *Hipposideros caffer*

b Frontal sac opening in ♂♂ only; forearm generally over 48 mm (47 - 55 mm); tibia 18 - 24 mm; dorsal pelage brownish or rufous; median posterior narial compartment of nasal swelling relatively wide, with narrow lateral inflations. ..... *Hipposideros ruber*

53 a First upper premolar placed between the upper canine and second premolar or slightly reduced and partially displaced labially. 54

b First upper premolar missing or very reduced and external to toothrow; the canine and second premolar touching each other or nearly so. 62

54 a Connecting process of nose-leaf rises to a distinct point. 55

b Connecting process of nose-leaf low, subtriangular or obsolete. 56

55 a First phalange of fourth finger long, more than half as long as second, 24 - 28 % of metacarpal length; sella wedge-shaped, top narrow; lancet subtriangular or hastate, tip rounded. ..... *Rhinolophus blasii*

b First phalange of fourth finger shorter, 19 - 23 % of metacarpal length; sella sides slightly concave; lancet hastate, tip bluntly pointed. ..... *Rhinolophus landeri*

56 a Connecting process of nose-leaf obsolete or poorly developed; ears large; forearm 50 mm or more. 57

b Connecting process of nose-leaf low and rounded or subtriangular; forearm 55 mm or less. 60

57 a Eight or nine internal ear folds. 58

b 11 or 12 internal ear folds. 59

58 a Lancet tip truncated, only moderately exceeding height of sella; ear with eight folds; larger, forearm 55 - 62 mm; skull with braincase conspicuously constricted behind the mastoid process; infraorbital bridge longer and more slender; lower molars comparatively small; ear length 32 - 40 mm. ..... *Rhinolophus ruwenzorii*

b Lancet tip bluntly pointed, conspicuously exceeding height of sella; ear with nine folds; smaller, forearm 54 mm; skull with braincase not conspicuously constricted behind the mastoid process; infraorbital bridge shorter and stouter; lower molars comparatively large; ear length 28.5 mm. ..... *Rhinolophus hilli*

59 a 11 internal ear folds; forearm length 54.5 mm; ear length 34.5 mm. *Rhinolophus kahuzi*

b 12 internal ear folds; forearm length 49.7 - 51.5 mm; ear length 24.2 - 29 mm. ..... *Rhinolophus willardi*

60 a Forearm length 49 - 54 mm; skull length 22.4 - 23.3 mm. ..... *Rhinolophus alcyone*

b Forearm length 40 - 45 mm; skull length 17.6 mm or less. 61

61 a Sella comparatively narrow (1.2 - 1.3 mm prior to preservation); lancet subtriangular, almost hastate, sides concave, tip bluntly pointed; horseshoe 6.0 - 7.4 mm. ..... *Rhinolophus swinnyi*

b Sella comparatively broad (1.5 - 1.7 mm after preservation); lancet subtriangular or hastate, tip somewhat rounded; horseshoe 6.7 - 9.0 mm. ..... *Rhinolophus simulator*

62 a Face and edges of sella naked; forearm length 50 - 56 mm; lancet hastate, tip rounded; horseshoe 6.6 - 9.6 mm, narrower as muzzle; nasal swellings very low; frontal depression very shallow; supraorbital ridges weak; interpterygoid groove absent or very indistinct. ..... *Rhinolophus clivosus* African Chiroptera name ..... *Rhinolophus blasii*

b Face and edges of sella with long hairs. 63

63 a Forearm length 60 - 67 mm; tibia 26 - 31 mm; ear length 26 - 36 mm; baculum > 3 mm; anterior medial nasal swellings longer than broad. ..... *Rhinolophus hildebrandtii*

b Forearm length 53 - 63 mm; tibia 22 - 25 mm; ear length 21 - 38 mm; baculum < 3 mm. ..... *Rhinolophus eloquens*

c Forearm length 47 - 60 mm; tibia 19 - 24 mm; ear length 19 - 28 mm; anterior medial nasal swellings broader than long. ..... *Rhinolophus fumigatus*

64 a Second phalange of third digit nearly 3 times as long as the first (family Miniopteridae; genus *Miniopterus*). 75

b Second phalange of the third digit shorter (family Vespertilionidae). 65

65 a Ear slightly but evidently funnel-formed; very high braincase (subfamily Kerivoulinae; genus *Kerivoula*). 76

b Ears largely open at their base and not funnel-formed; normal braincase. 66

66 a Six Pm and M in upper and lower jaw (subfamily Myotinae, genus *Myotis*). 80
b Less than 6 Pm and M. 67
67 a One upper incisor and M1 and M2 with W-pattern distorted or nearly absent (subfamily Scotophilinae; genus *Scotophilus*)..... 82
b Two upper incisors or 1 upper incisor and M1 and M2 with W-pattern normal (subfamily Vespertilioninae). 68
68 a One upper incisor. 85
b Two upper incisors. 69
69 a Five Pm and M in upper and lower jaw (genera *Neoromicia* / *Pipistrellus* / *Hypsugo*). 99
b Four Pm and M in upper and 5 in lower jaw. 70
70 a Ears very enlarged, about 15 mm and more (genus *Laephotis*). 74
b Ears normally much less enlarged. 71
71 a Very short and broad rostrum; the height of the braincase (with the bullae) more than ? of the condylo-basal length; lower lip with fleshy lobes at angle of mouth (genus *Glauconycteris*). 87
b Height of the braincase (bullae included) much less than the distance from incisors to posterior zygoma root. 72
72 a Very shortened wings; the third digit not longer than head and body length; skull much flattened (genus *Mimetillus*). 73
b Normal wings; skull not especially flattened (genus *Neoromicia*). 94
73 a Pelage dark brown; wing membranes dark; occurring in forest habitats. .... *Mimetillus moloneyi*
b Pelage pale brown; wing membranes lighter; occurring in savanna habitats. *Mimetillus thomasi*
74 a On average larger; greatest skull length 14.1 - 15.5 mm; ear length 17 - 22 mm; forearm length 30 - 39 mm; palatal length 6.2 - 7.3 mm. ..... *Laephotis botswanae*
b On average smaller; greatest skull length 13.7 - 13.8 mm; ear length 15 - 18 mm; forearm length 32 - 36 mm; palatal length 6.1 - 6.2 mm. ..... *Laephotis angolensis*
75 a Forearm length 45 - 52 mm; greatest skull length 16.4 - 17.8 mm; hind foot (including claw) 7 - 11 mm; total length 92 - 128 mm; weight 8 - 19 g. ..... *Miniopterus inflatus* African Chiroptera name ..... *Miniopterus inflatus inflatus*
b Forearm length 35 - 42 mm; greatest skull length 11.1 - 14.5 mm; hind foot (including claw) 5 - 10 mm; total length 82 - 97 mm; weight 5 - 10 g. ..... *Miniopterus minor*
c Forearm length 42 - 47 mm; greatest skull length 13.6 - 15.5 mm; hind foot (including claw) 6 - 11 mm; total length 104 - 115 mm; weight 6 - 11 g. .. *Miniopterus natalensis*
d Forearm length 41 - 45 mm; greatest skull length 13.3 - 15.5 mm; hind foot (including claw) 7 - 11 mm; total length 88 - 103 mm; weight 7 - 11 g. .... *Miniopterus fraterculus*
76 a Comb-like fringe of hairs on interfemoral membrane well developed. 77
b Comb-like fringe of hairs on interfemoral membrane absent or scarcely developed. 78
77 a Dorsal pelage bright reddish-brown with conspicuous frosting (highlighted tips); ventral pelage cream, dirty-white or white; size on average larger, forearm length 28 - 40 mm; skull longer and more robust, greatest length 14.7 - 16.5 mm; outer lower incisors usually with three cusps, sometimes four; inner upper incisors uni-, bi- or tricuspid. ..... *Kerivoula argentata*
b Dorsal pelage dark brown to pale grey with (in)conspicuous frosting, but not bright reddish-brown with conspicuous frosting; ventral pelage sepia brown, grey to whitish; size on average smaller, forearm length 26 - 34 mm; skull shorter and more delicate, greatest length 11.2 - 13.5 mm; outer lower incisors with two or three cusps; inner upper incisors uni- or bicuspid. ..... *Kerivoula lanosa*
78 a Size smaller; forearm length 25 - 30 mm; dorsal pelage pale reddish-brown, fawn-brown or greyish-brown, usually darker at base, without frosting; outer lower incisors unicuspid; inner upper incisors uni- or bicuspid. ..... *Kerivoula phalaena*
b Size larger; forearm length 30 mm or more; dorsal pelage dark, frosted; inner upper incisors bicuspid. 79
79 a Dorsal pelage blackish or dark brown; forearm length 32 - 36 mm; lower incisors unicuspid. ..... *Kerivoula smithii*
b Dorsal pelage dark brown with terminal third bright rusty-brown or chocolate brown; forearm length 30 - 33 mm; lower incisors tricuspid. ..... *Kerivoula cuprosa*
80 a With dichromatic (black and orange) wing membranes; forearm length 52 - 60 mm;

sparse fringe of bristle-like hairs along margin of interfemoral membrane between tips of calcars and tip of tail. ..... *Myotis welwitschii*

b Wing membranes uniformly dark; size smaller; no fringe of bristle-like hairs along margin of interfemoral membrane. 81

81 a Larger, forearm length 47 - 53 mm; wing membrane uniformly dark or inconspicuously particoloured, black on most of the membrane and orange to dark red along the fingerbones; ventral and dorsal hairs tricoloured. ..... *Myotis tricolor*

b Smaller, forearm length 33 - 42 mm; wing membrane uniformly blackish-brown; ventral hairs bicoloured; dorsal hairs bi- or tricoloured. ..... *Myotis bocagii*

82 a Very large, forearm length 78 - 88 mm. ..... *Scotophilus nigrita*

b Smaller, forearm not over 61 mm. 83

83 a Ventral pelage dark brown to reddish-orange; habitat rainforest. ..... *Scotophilus nux*

b Ventral pelage pure white, yellowish, yellow, orange-yellow; habitat savannas and rainforest-savanna mosaics. 84

84 a Ventral pelage pure white to medium brown, never yellowish; dorsal pelage pale to medium brown, never tinged with yellow or green; forearm length 44 - 58 mm; skull total length 16 - 18 mm. ..... *Scotophilus leucogaster*

b Ventral pelage pale yellow, bright yellow or orange-yellow, not tinged with brown; dorsal pelage sepia brown, greenish-brown, greyish-brown or reddish-brown; forearm 47 - 60 mm; skull total length 18 - 21 mm. ..... *Scotophilus dinganii*

85 a Penis short (5.6 - 6.2 mm); upper canine with anterior surface rounded, not grooved; anterior lower premolar ca half height of posterior premolar. *Nycticeinops schlieffenii*

b Penis extremely long (ca 9 - 16 mm); upper canine with anterior surface flat and grooved; anterior lower premolar at least two-thirds height of posterior premolar, usually subequal (genus *Scotoecus*). 86

86 a Wing membranes dark-brown, slightly translucent. ..... *Scotoecus hindei*

b Wing membranes light, semi-translucent, becoming brownish around edges and near body. ..... *Scotoecus albofuscus*

87 a Wing and interfemoral membranes conspicuously veined; wings pale; colour of dorsal hairs creamy-buff to yellowish-fawn (tricoloured or inconspicuously bicoloured); forearm length 38 - 45 mm. ..... *Glauconycteris variegata*

b Wing and interfemoral membranes not conspicuously veined. 88

88 a Dorsal body colour black and white; five to seven dorsal markings (spots, patches and stripes); ears subquadrangular; inner upper incisors unicuspid; forearm length 45 - 48 mm. ..... *Glauconycteris superba*

b Dorsal body colour not black and white; ears rounded. 89

89 a No body pattern; dorsal body colour umber-, sepia-, or reddish-brown; dorsal hairs tricoloured; inner upper incisors strongly bicuspid, with unequal cusps; forearm length 34 - 38 mm. ..... *Glauconycteris curryae*

b Markings restricted to flank stripes or shoulder spots; dorsal hairs bi- or tricoloured; inner upper incisors generally bicuspid (except for argentata), with subequal or unequal cusps; forearm length 44 mm or less. 90

90 a Wing and interfemoral membranes pale brown; dorsal hairs pale golden-fawn or darker and greyer. ..... *Glauconycteris argentata*

b Wing and interfemoral membranes dark brown; dorsal hairs medium to dark greyish or dark sepia brown. 91

91 a Inner upper incisors strongly bicuspid, with subequal or unequal cusps; dorsal hairs tricoloured; no body patterns or at most a shoulder spot. 92

b Inner upper incisors weakly bicuspid, with unequal cusps; dorsal hairs bicoloured; body pattern includes flank stripe and/or shoulder spot. 93

92 a No light lateral markings on body (perhaps rarely a white shoulder spot); forehead region of skull weakly concave. ..... *Glauconycteris beatrix*

b White shoulder spot is generally present; forehead region of skull moderately concave. ..... *Glauconycteris humeralis*

93 a Dorsal hairs sepia brown; wings not reticulated. ..... *Glauconycteris alboguttata*

b Dorsal hairs medium to dark greyish or brownish; wings faintly reticulated. ..... *Glauconycteris poensis*

94 a Wings pale or white translucent; mid-ventral pelage cream, whitish or pale grey. . 98

b Wings dark; mid-ventral pelage whitish or pale greyish-brown to medium brown. . 95

95 a Mid-ventral pelage white, whitish, cream or buff; forehead region of skull straight to

weakly concave; inner upper incisors weakly bicuspid (unicuspid when worn); forearm length 28 - 38 mm; occipital helmet usually well developed. ..... *Neoromicia capensis*

b Mid-ventral pelage pale (greyish-)brown to (medium-)brown; forehead region of skull weakly to moderately concave (exceptionally almost straight); occipital helmet absent. 96

96 a Size large; forearm length 33 - 38 mm; greatest length of skull 13.0 - 14.1 mm; dorsal hairs unicoloured; mid-ventral pelage greyish-brown to medium brown; inner upper incisors unicuspid; no anterior upper premolar; forehead region of skull weakly concave. ..... *Neoromicia brunnea*

b Size smaller; forearm length less than 33 mm; dorsal hairs not unicoloured; inner upper incisors usually unicuspid; anterior upper premolar extremely rarely present, in which case minute. 97

97 a Dorsal and ventral hairs faintly bicoloured; mid-ventral colour pale brown or brown; forehead region of skull weakly concave to almost straight; forearm length 22 - 32 mm..... *Neoromicia somalica*

b Dorsal hairs bi- or tricoloured; mid-ventral colour pale greyish-brown or brown; forehead region of skull weakly to moderately concave; forearm length 27 - 33 mm. ..... *Neoromicia zuluensis*

98 a Dorsal colour dark brown, in strong contrast to pale wings; dorsal hairs usually unicoloured; ventral hairs bicoloured; inner upper incisors weakly bicuspid; forearm length 28 - 33 mm. ..... *Neoromicia tenuipinnis*

b Dorsal colour light brown, not in strong contrast to pale wings; dorsal hairs bi- or tricoloured; ventral hairs bicoloured; inner upper incisors unicuspid; forearm length 29 - 38 mm. ..... *Neoromicia rendalli*

99 a Outer upper incisor greatly reduced; entire underside pure white; dorsal pelage grey to sepia brown [lower molars nyctalodont; forearm length 29 - 37 mm; anterior upper premolar medium sized, conspicuous, within toothrow or slightly displaced; dorsal and ventral hairs bicoloured]. ..... *Pipistrellus rueppellii*

b Outer upper incisor not greatly reduced; underside light, dark or grey-tipped..... 100

100 a Inner upper incisors unicuspid; both dorsal and ventral hairs bicoloured; dorsal pelage greyish-brown, reddish-brown, dark brown or blackish; anterior upper premolar medium-size to minute, usually visible, within toothrow or fully displaced lingually; no white border on hind border of wing; forearm length 29 - 38 mm. ..... *Pipistrellus hesperidus*

b Inner upper incisors bicuspid..... 101

101 a Dorsal and ventral hairs bicoloured..... 102

b Dorsal hairs unicoloured; ventral hairs usually unicoloured. 105

102 a Outer edge of tragus angular (hatchet-shaped); dorsal pelage chocolate brown or sepia brown, sometimes with gold sheen; anterior upper premolar medium-sized, slightly displaced lingually; no white border on hind border of wing; forearm length 25 - 35 mm..... *Neoromicia nana*

b Outer edge of tragus curved (no sharp angle). 103

103 a Skull larger, very weakly concave, greatest length 13.7 - 14.1 mm; wings without white hind border; forearm length 32 - 36 mm; mid-ventral pelage slightly reddish-brown tinged with beige; anterior upper premolar minute to medium-sized, usually visible, occasionally absent. ..... *Hypsugo eisentrauti*

b Skull smaller, weakly concave, greatest length less than 13.7 mm; wings with or without white hind border. 104

104 a Mid-ventral pelage pale brown, cream or white; anterior upper premolar minute, not visible above gum; greatest length of skull 11.2 - 13.7 mm; forearm length 29 - 34 mm. ..... *Hypsugo anchietae*

b Mid-ventral pelage dark to medium rust-brown, sometimes speckled; anterior upper premolar absent; greatest length of skull 10.7 - 11.8 mm; forearm length 23 - 35 mm. ..... *Neoromicia guineensis*

105 a Size larger, forearm 33 - 38 mm; greatest length of skull 13.8 - 14.7 mm; mid-ventral pelage pale brown, usually yellowish; anterior upper premolar minute, sometimes not visible, sometimes missing; forehead region of skull weakly concave, sometimes almost straight. ..... *Pipistrellus grandidieri*

b Size smaller, forearm 33 mm or less; greatest length of skull 13.6 mm or less.... 106

106 a Anterior upper premolar medium-sized to well-developed, visible, in toothrow or

slightly lingually displaced; dorsal pelage reddish-brown; white border on wing edge usually missing; forearm length 24 - 29 mm. ..... *Pipistrellus nanulus*

b Anterior upper premolar minute, barely visible above gum or not at all. 107

107 a Size larger, forearm length 28 - 33 mm; greatest length of skull 12.1 - 13.6 mm; mid-ventral pelage pale to dark brown or reddish-brown. ..... *Hypsugo crassulus*

b Size smaller, forearm length 23 - 26 mm; greatest length of skull 10.3 - 11.4 mm; mid-ventral pelage dark umber-brown. ..... *Hypsugo musciculus*

108 a A prominent vertical projection on the zygomatic arch; ears very large, 38 - 40 mm, conjoined on extended snout; size very large, forearm length 62 - 73 mm; conspicuous bicolored dorsal pelage pattern, with pale collar separating dark anterior and posterior regions of body. ..... *Otomops martiensseni*

b Not combining these characters. 109

109 a Ears widely separated; ears and wing membranes translucent or whitish; underside of body entirely white; 4 post-canine upper cheek teeth, M3 much reduced; one lower incisor on each side, with concave crowns lengthened antero-posteriorly; upper incisors in contact with canines; no palatal emargination (genus *Myopterus*). 113

b Ears not widely separated, sometimes conjoined, never translucent; 4 or 5 post-canine upper cheek teeth (first upper premolar often minute, sometimes deciduous); one to three (generally two) lower incisors; upper incisors not in contact with canines. 110

110 a Inner margins of ears meeting or almost meeting to form a V-shaped valley; third ridge of posterior upper molar (M3) more than half length of second or equal in length; two lower incisors on each side; anterior palatal emargination wide (genus *Tadarida*). 133

b Inner margins of ears generally joined by band of skin (uncertain in niangarae, where they might be well separated); anterior palatal emargination narrow or closed. ... 111

111 a Third ridge of posterior upper molar (M3) more than half length of second or equal in length (genus *Chaerephon*). 114

b Third ridge of posterior upper molar (M3) less than half length of second or absent (sometimes equal in condylurus) (genus *Mops*). 112

112 a Anterior palatal emargination closed (subgenus *Mops*). 124

b Anterior palatal emargination narrow (subgenus *Xiphonycteris*). 130

113 a Size smaller, forearm length 33 - 37 mm; skull length 17 - 19 mm; pelage dark brown above, without lateral bands. ..... *Myopterus whitleyi*

b Size larger, forearm length 48 - 56 mm; skull length 21.3 - 25.7 mm; dorsal pelage slaty-grey with two contrasting lateral bands of dirty white. ..... *Myopterus daubentonii*

114 a Ears separated by a lobe or lappet. 115

b Ears joined by a band. 116

115 a Ears long, separated by a large bulbous lobe projecting well over the forehead; ventral flank stripe absent; wing membrane greyish-black; basisphenoid pits deep and large; rostrum uniquely with prominent nasal swellings; forearm length 38 mm. *Chaerephon gallagheri*

b Ears separated by a flat lappet over a small, backward-opening pocket; white or whitish ventral flank stripe present; wing membrane dark brown to blackish; depth of basisphenoid pits shallow to moderate, size small to medium; forearm length 39 - 46 mm. ..... *Chaerephon major*

116 a Size smaller; forearm length less than or equal to 41 mm. 117

b Size larger; forearm length larger than 41 mm. 119

117 a Dorsal pelage pale grey, pale rusty-brown or medium greyish-brown; wing membrane usually white, sometimes pale brown or greyish-brown; ♂♂ with long bicoloured interaural crest. ..... *Chaerephon chapini*

b Dorsal pelage almost black, brown, greyish-brown or reddish-brown; wing membrane white or blackish-brown; ♂♂ with short unicoloured interaural crest. 118

118 a Size smaller; forearm length 32.8 - 37.8 mm; condylobasal length 14.4 - 15.9 mm; zygomatic width 9.3 - 10.3 mm. ..... *Chaerephon leucogaster*

b Size larger; forearm length 38.3 - 41.0 mm; condylobasal length 15.3 - 16.4 mm; zygomatic width 10.4 - 10.9 mm. ..... *Chaerephon pumilus*

119 a Ventral flank stripe present. 120

b Ventral flank stripe absent. 121

120 a Flank stripe whitish; wing membranes pale grey; shallow basisphenoid pits of medium size; anterior palatal emargination narrow; forearm length 41 - 48 mm; uniquely with

pair of tail-glands opening ventrally as a slit on each side of base of tail. *Chaerephon bemmeleni*

b Flank stripe white; wing membranes dorsally whitish or blackish, ventrally white; shallow to medium basisphenoid pits of small to medium size; anterior palatal emargination closed; forearm length 41 - 51 mm; no such glands. *Chaerephon nigeriae*

121 a Anterior palatal emargination closed; size of basisphenoid pits large. 122

b Anterior palatal emarganation narrow; size of basisphenoid pits small to medium. 123

122 a Size larger; forearm length 48 - 53 mm; basisphenoid pits deep; wing membrane blackish-brown; sometimes with greyish spots dorsally. *Chaerephon aloysiisabaudiae*

b Size smaller; forearm length 42 - 46 mm; basisphenoid pits moderately deep; wing membrane mostly dark brown, lighter towards tip; no spots or stripes. ... *Chaerephon russatus*

123 a Wing membrane light reddish-brown or light grey; forearm length 43 - 48 mm; dorsal pelage somewhat frosted, occasionally with white spots. ..... *Chaerephon ansorgei*

b Wing membrane dark brown or light reddish-brown; forearm length 46 - 51 mm; white or whitish stripes and/or rows of spots on crown of most individuals, and sometimes on shoulders and flanks. ..... *Chaerephon bivittatus*

124 a Size smaller; forearm length 51 mm or less. 125

b Size larger; forearm length 51 mm or more. 127

125 a ♂♂ with paired glands between penis and anus; forearm length 41 - 46 mm; phalanges of 3rd (16 - 19 mm) and 4th (13 - 16 mm) fingers short; ventral pelage white or very pale; crown darker than back; whitish or pale grey flank stripe present, but faint; basisphenoid pits deep and large. ..... *Mops (Mops) demonstrator*

b ♂♂ without paired glands between penis and anus; phalanges of 3rd and 4th fingers medium to long. 126

126 a Forearm length 45 - 51 mm; phalanges of 3rd (20 - 24 mm) and 4th (17 - 20 mm) fingers long; ventral pelage with little or no white; crown same colour as back; white ventral flank stripe present or absent; basisphenoid pits shallow and small. ..... *Mops (Mops) condylurus*

b Forearm length 44 - 48 mm; phalanges of 3rd (19 - 21 mm) and 4th (15 - 17 mm) fingers of medium length; ventral pelage predominantly white or cream; crown darker than back; ventral flank stripe absent; basisphenoid pits moderately deep and medium to large in size. ..... *Mops (Mops) niveiventer*

127 a Size largest; forearm length 59 - 67 mm; white or pale ventral flank stripe present; dorsal pelage colour variable; frosted and flecked; basisphenoid pits moderately deep and medium to large in size. ..... *Mops (Mops) midas*

b Size smaller; forearm 58 mm or less. 128

128 a Inner margin of ears uncertain, possibly well separated; ventral flank stripe probably absent; wing membrane dark brown; forearm length approximately 52 mm. ..... *Mops (Mops) niangarae*

b Inner margin of ears joined by a band 129

129 a Forearm length 51 - 55 mm; wing membrane dark brown; dorsal pelage medium sepia or yellowish-brown, or pale rusty-brown. ..... *Mops (Mops) trevori*

b Forearm length 54 - 58 mm; wing membrane blackish-brown; dorsal pelage dark brown to almost black; not frosted or flecked ..... *Mops (Mops) congicus*

130 a Size smaller, forearm length 31 mm or less. 131

b Size larger, forearm length 34 mm or more. 132

131 a Two lower incisors on each side; lower canines without greatly enlarged cingula; upper incisors procumbent (inclined towards the lips); wing membrane blackish-brown, pale brown to whitish, ventral side paler; forearm length 27 - 31 mm. ..... *Mops (Xiphonycteris) nanulus*

b Usually one lower incisor on each side, rarely two; lower canines with greatly enlarged cingula, especially in ♂♂; wing membrane blackish; forearm length 27 - 30 mm. *Mops (Xiphonycteris) spurrelli*

132 a Ventral flank stripe present, but contrast weak; wing membrane blackish; ventral pelage dark; occipital helmet prominent; wing insertion higher on body; basisphenoid pits of moderately depth and small to medium in size; forearm length 35 - 42 mm. ..... *Mops (Xiphonycteris) brachypterus*

b Ventral flank stripe absent; wing membrane various shades of brown; ventral pelage pale; occipital helmet moderately prominent; wing insertion lower on body;

basisphenoid pits moderate or shallow deep and medium to large in size; forearm length 34 - 41 mm. .....*Mops (Xiphonycteris) thersites*

133 a Little white on ventral surface; forearm length 60 - 67 mm; both sides of wing membrane dark brown to almost black; basisphenoid pits medium in size; plantar pad absent. .....*Tadarida ventralis*

b Clear white, cream or yellowish ventral flank band present; forearm length 56 - 61 mm; dorsal side of wing membrane brown, ventral side whitish; basisphenoid pits large in size; plantar pad present. .....*Tadarida fulminans*

Appendix 6: Images of Type Specimens

Clockwise from top, lateral, ventral and dorsal skull images of type specimens. The squares of the graph paper are 2 mm wide.

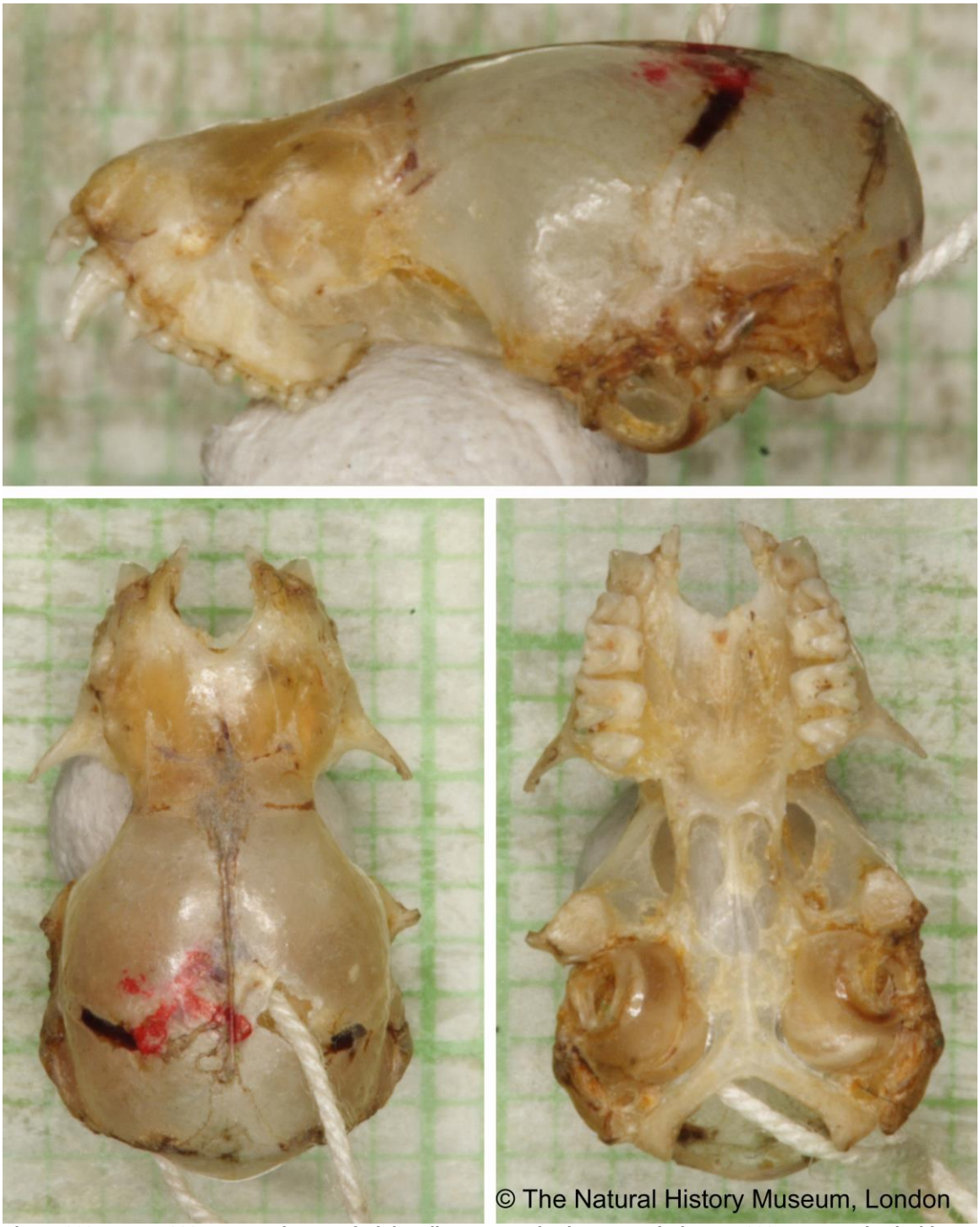

Figure 366 BMNH 1823.1.1.15 Holotype of *Pipistrellus marrensis* Thomas and Hinton, 1923, synonomized with *P. rusticus* (Tomes, 1861).

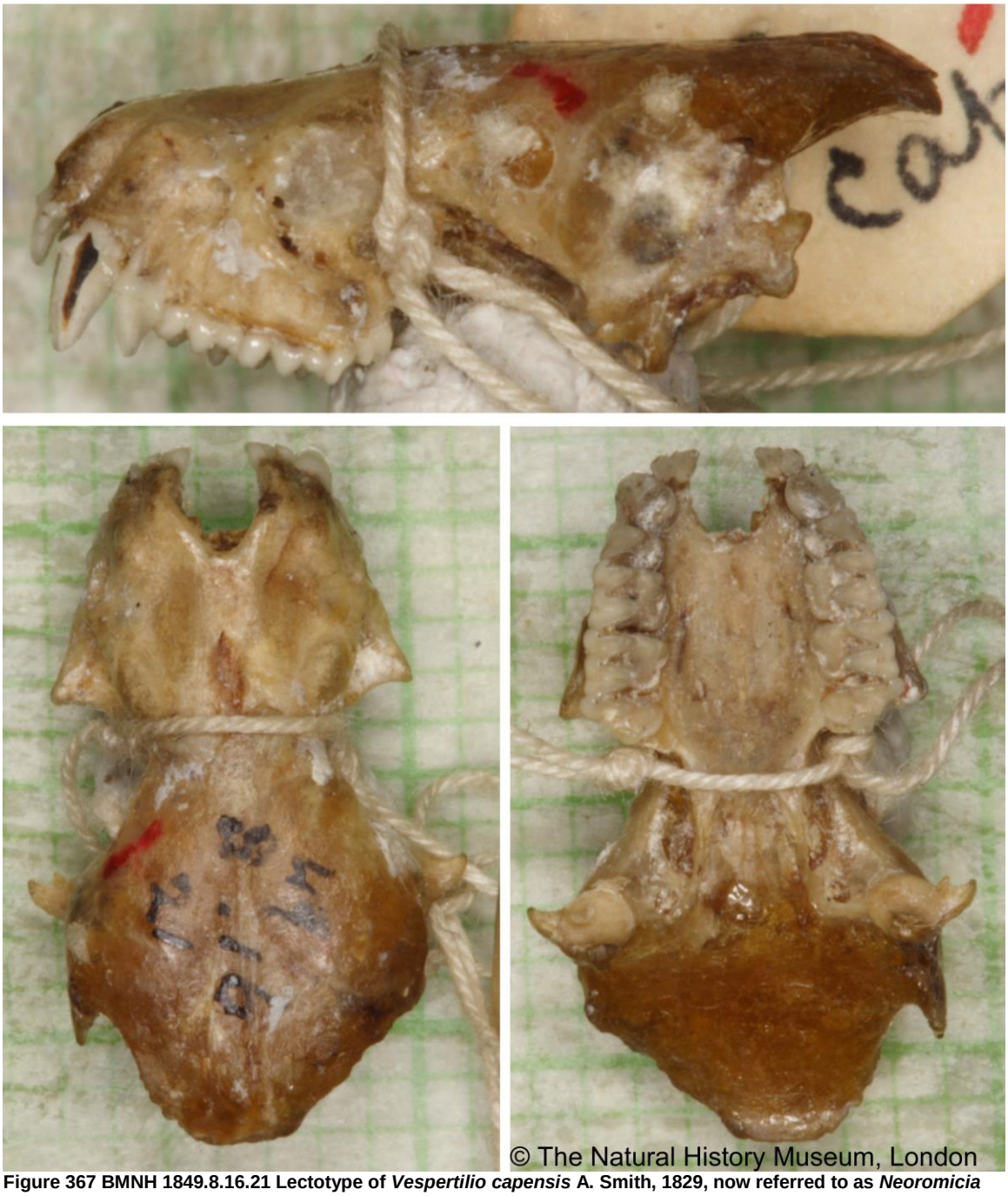

Figure 367 BMNH 1849.8.16.21 Lectotype of *Vespertilio capensis* A. Smith, 1829, now referred to as *Neoromicia capensis*.

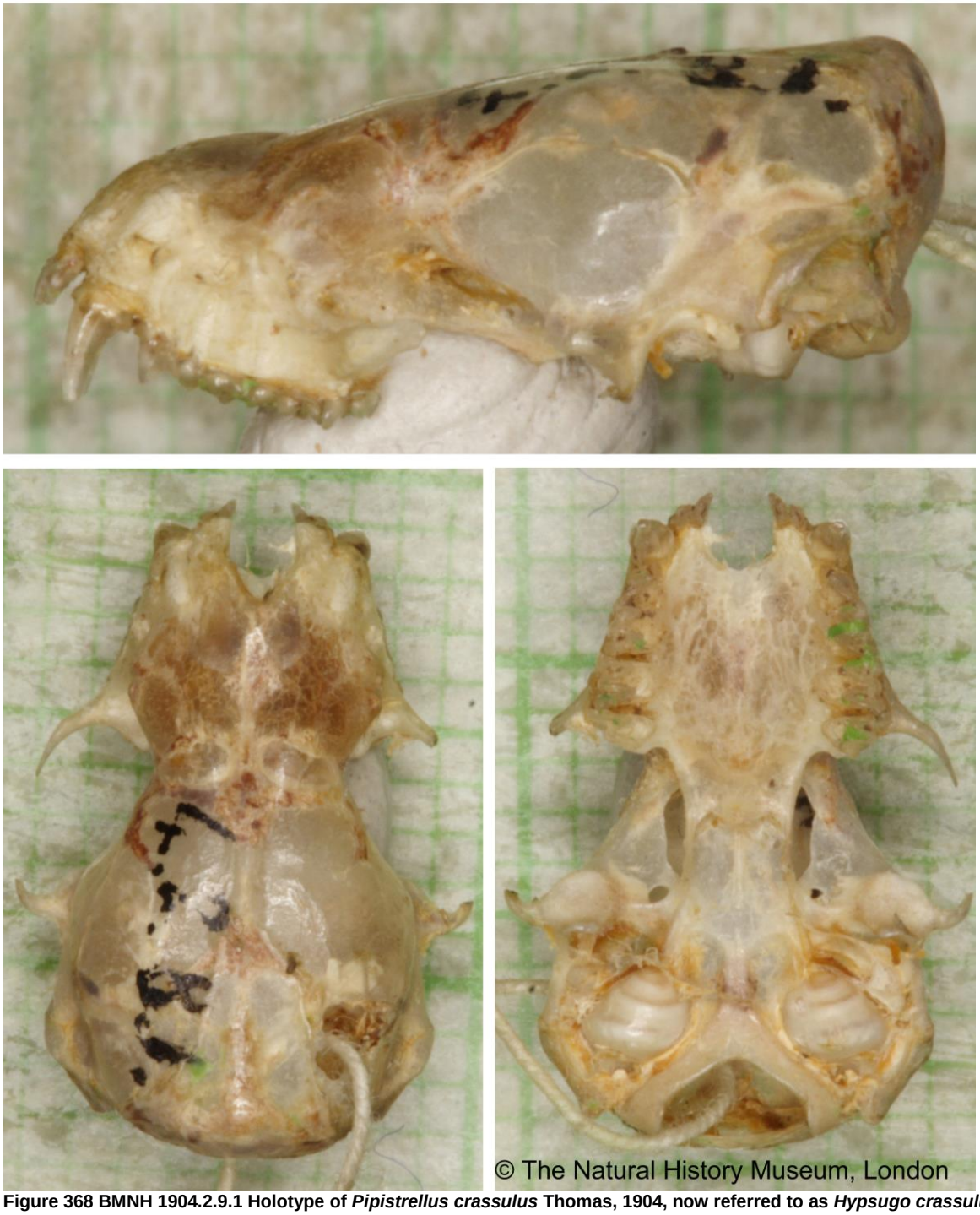

Figure 368 BMNH 1904.2.9.1 Holotype of *Pipistrellus crassulus* Thomas, 1904, now referred to as *Hypsugo crassulus*.

Figure 369 BMNH 1880.7.21.7 Holotype of *Vesperugo (Vesperus) brunneus* Thomas, 1880, now referred to as *Neoromicia brunneus*.

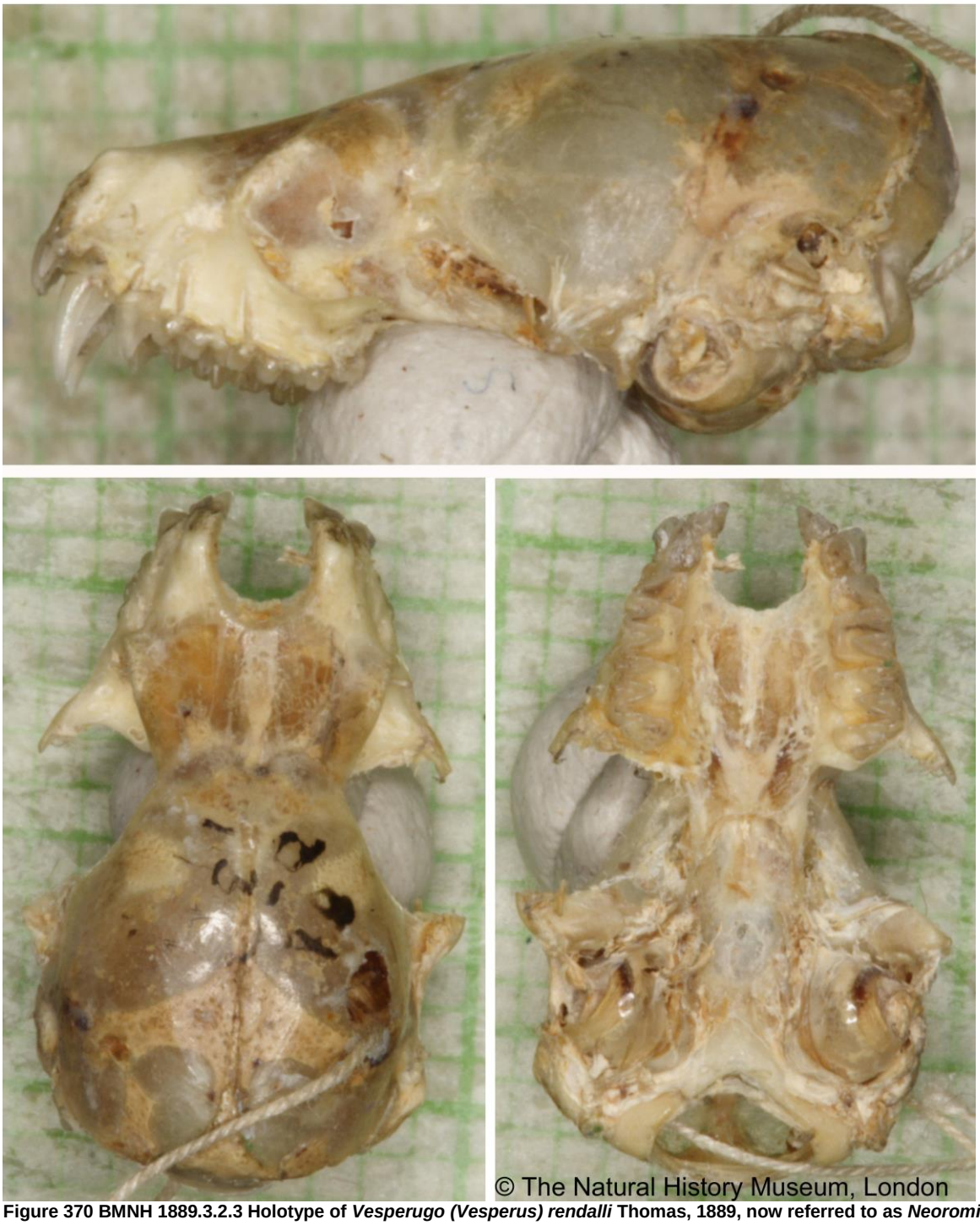

Figure 370 BMNH 1889.3.2.3 Holotype of *Vesperugo (Vesperus) rendalli* Thomas, 1889, now referred to as *Neoromicia rendalli*.

Figure 371 BMNH 1889.5.1.3 Syntype of *Vesperus bicolor* Bocage, 1889, now a synonym of *Neoromicia tenuipinnis* (Peters, 1872).

Figure 372 BMNH 1898.6.9.1 Holotype *Vespertilio minutus somalicus* Thomas, 1901, now referred to as *Neoromicia somalicus*.

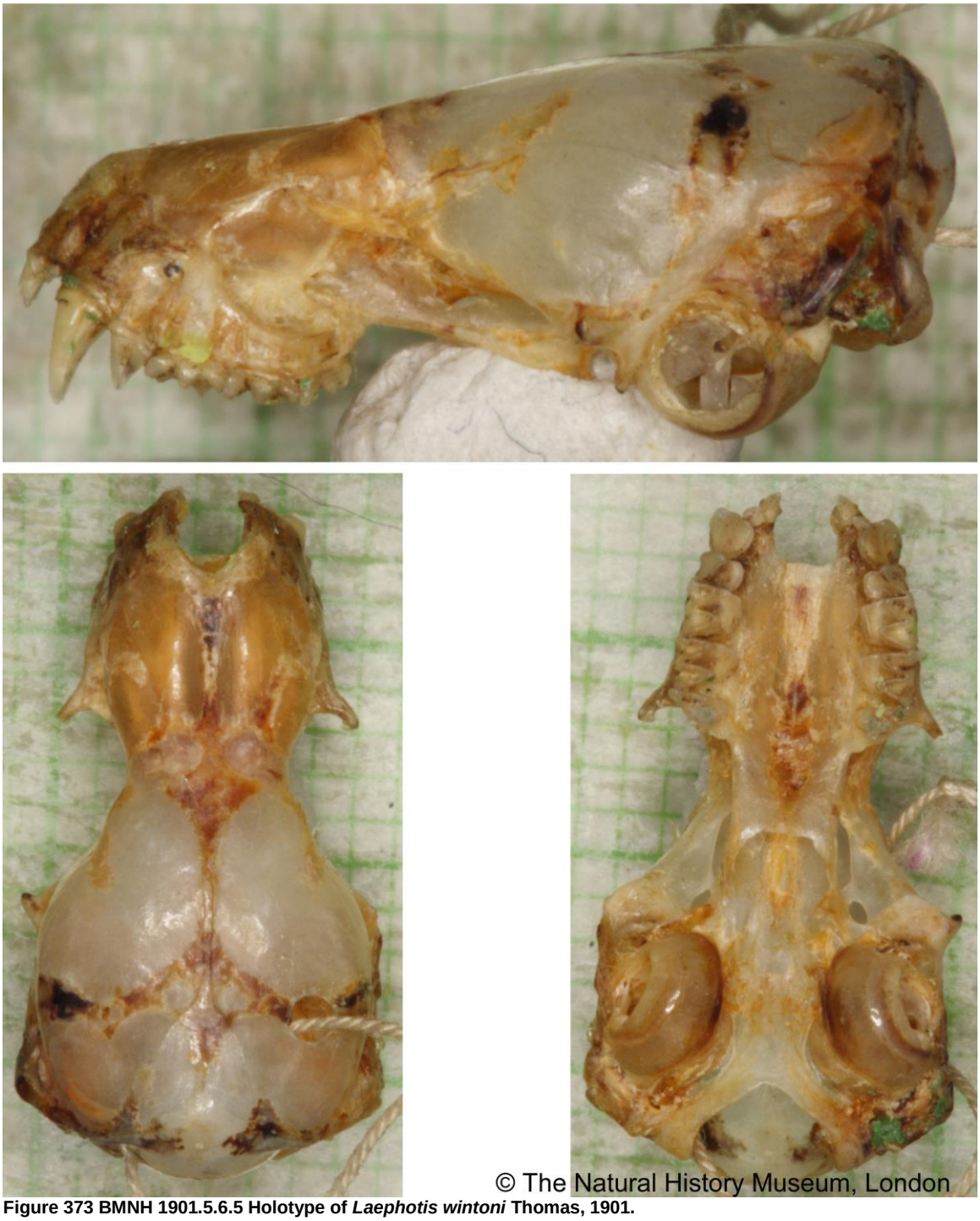

Figure 373 BMNH 1901.5.6.5 Holotype of *Laephotis wintoni* Thomas, 1901.

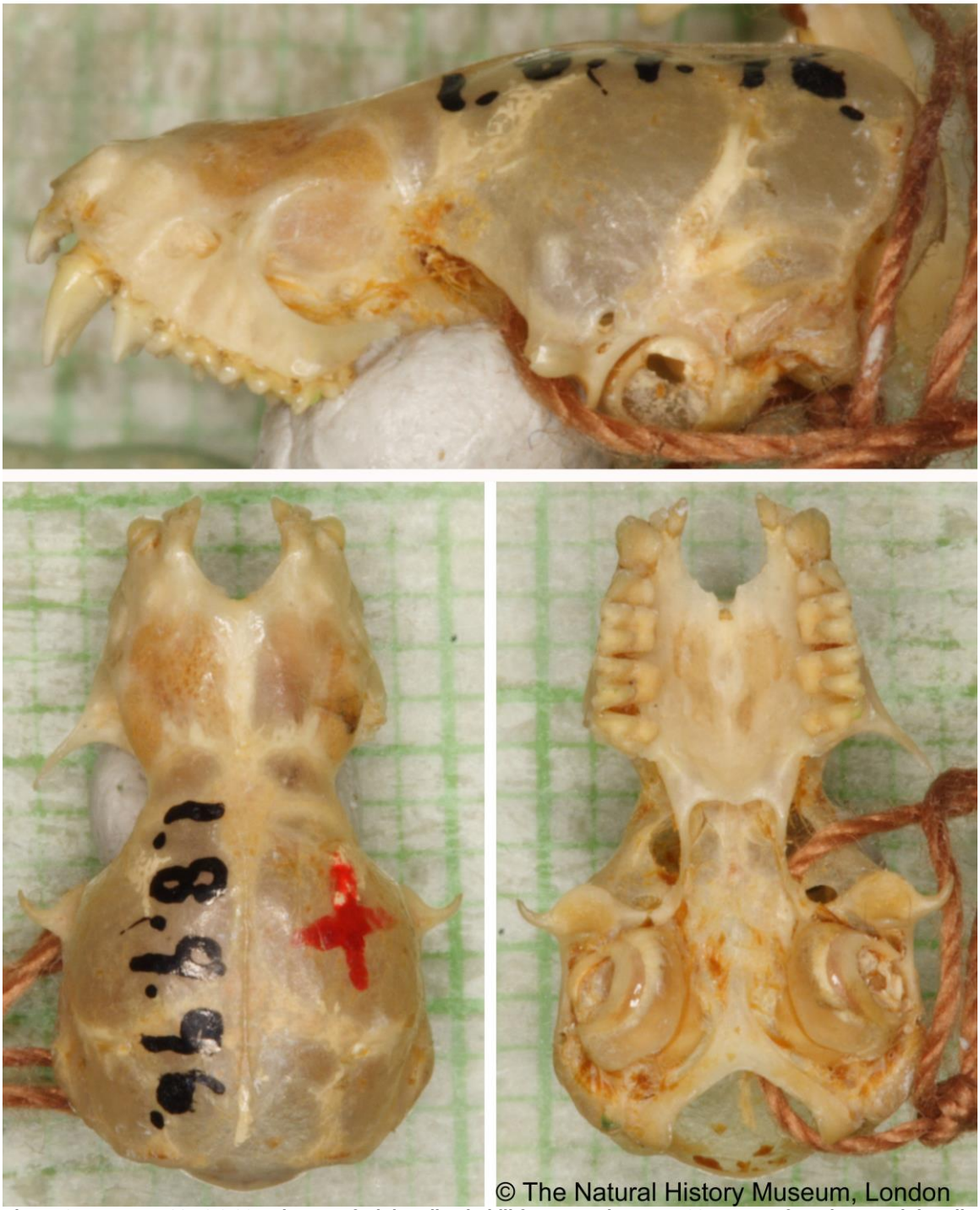

Figure 374 BMNH 1901.8.9.96 Holotype of *Pipistrellus kuhlii fuscatus* Thomas, 1901, now referred to as *Pipistrellus hesperidus*.

Figure 375 BMNH 1902.11.4.1 Holotype of *Pipistrellus deserti* Thomas, 1902.

Figure 376 BMNH 1903.2.7.14 Holotype of *Glauconycteris floweri* de Winton, 1901, now referred to as *Eptesicus floweri*.

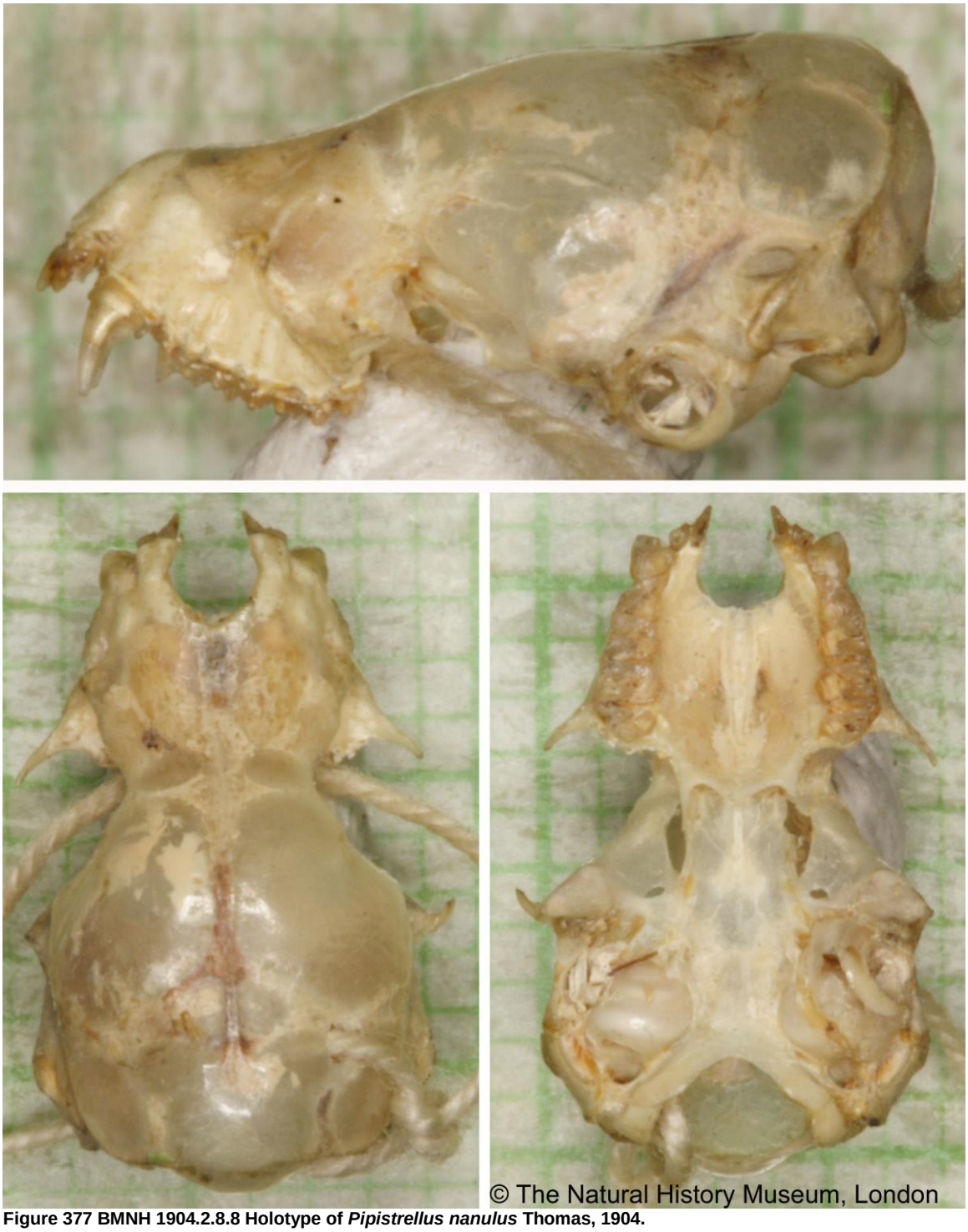

Figure 377 BMNH 1904.2.8.8 Holotype of *Pipistrellus nanulus* Thomas, 1904.

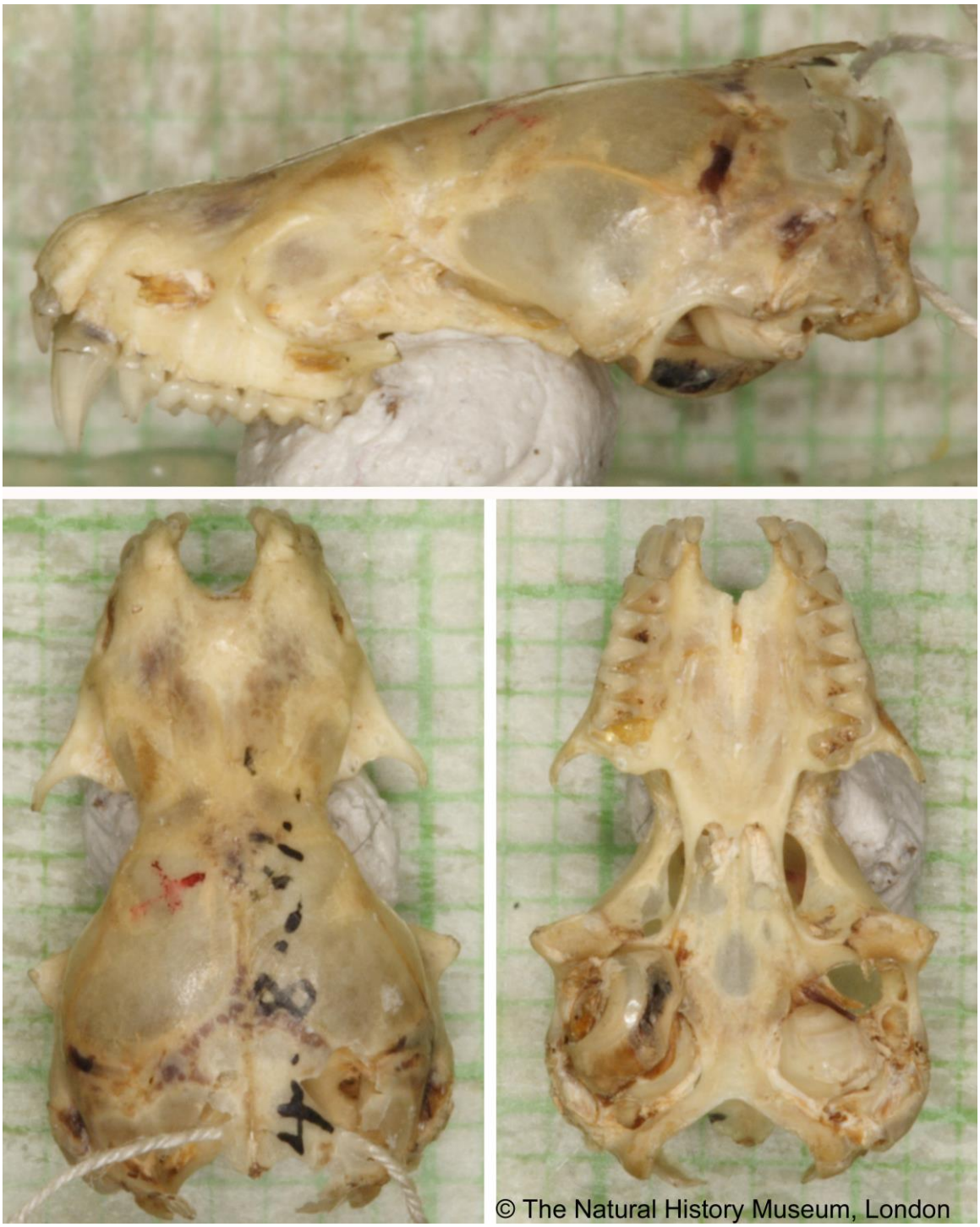

Figure 378 BMNH 1904.8.31.3 Holotype of *Vespertilio capensis gracilior* Thomas and Schwann, 1905, the species is now referred to as *Neoromicia capensis*.

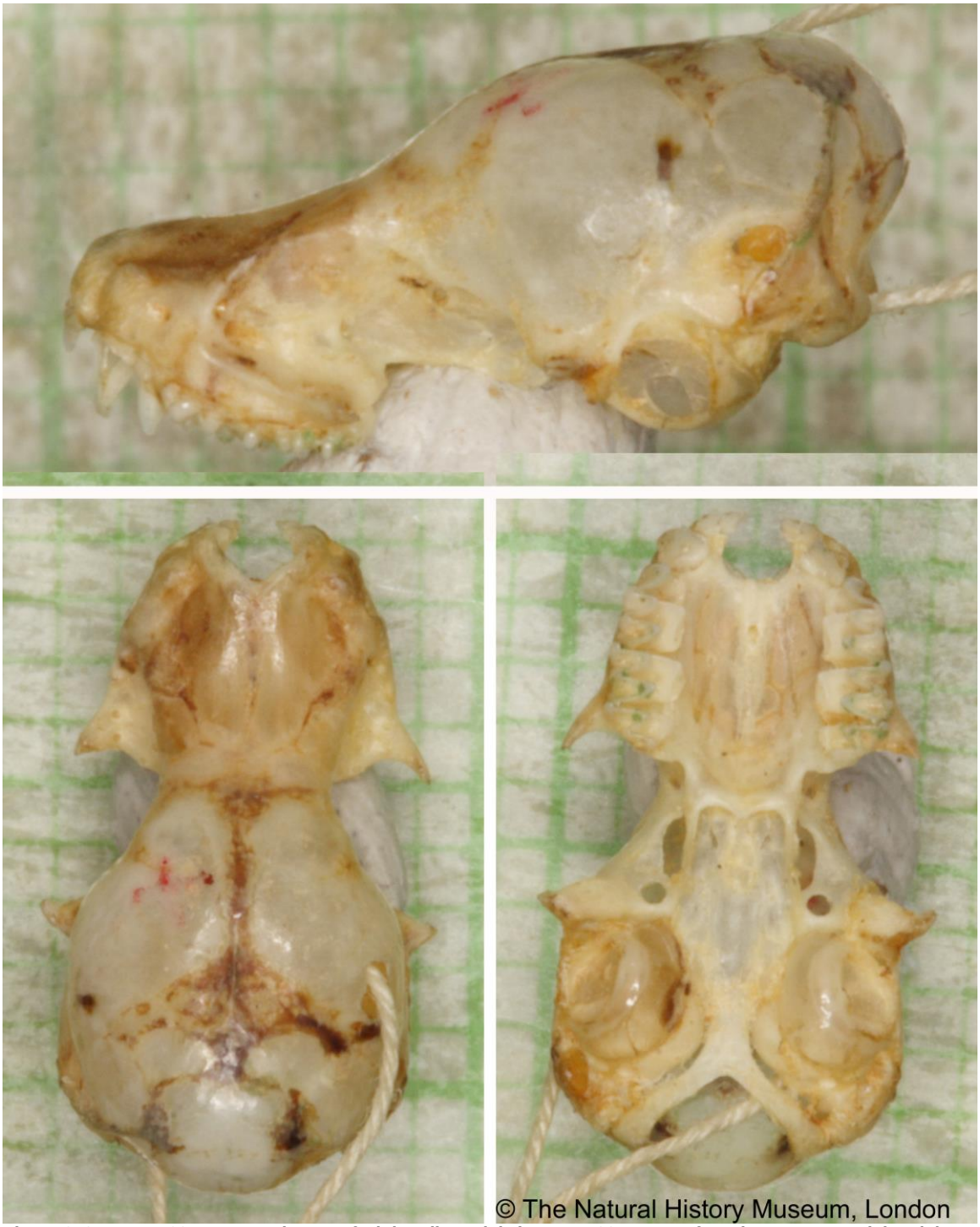

Figure 379 BMNH 1904.11.4.7 Holotype of *Pipistrellus ariel* Thomas, 1904, now referred to as *Neoromicia ariel*.

Figure 380 BMNH 1906.1.3.1 Syntype of *Vesperugo anchieta* de Seabra, 1900, now referred to as *Hypsugo anchietae*.

Figure 381 BMNH 1906.7.1.5 Holotype *Pipistrellus fuscipes* Thomas, 1913, currently recognised as *Pipistrellus rueppellii fuscipes*.

Figure 382 BMNH 1907.1.1.392 Holotype *Ptergistes madeirae* Barrett-Hamilton, 1906, currently recognised as a synonym of *Nyctalus leisleri* (Kuhl, 1817).

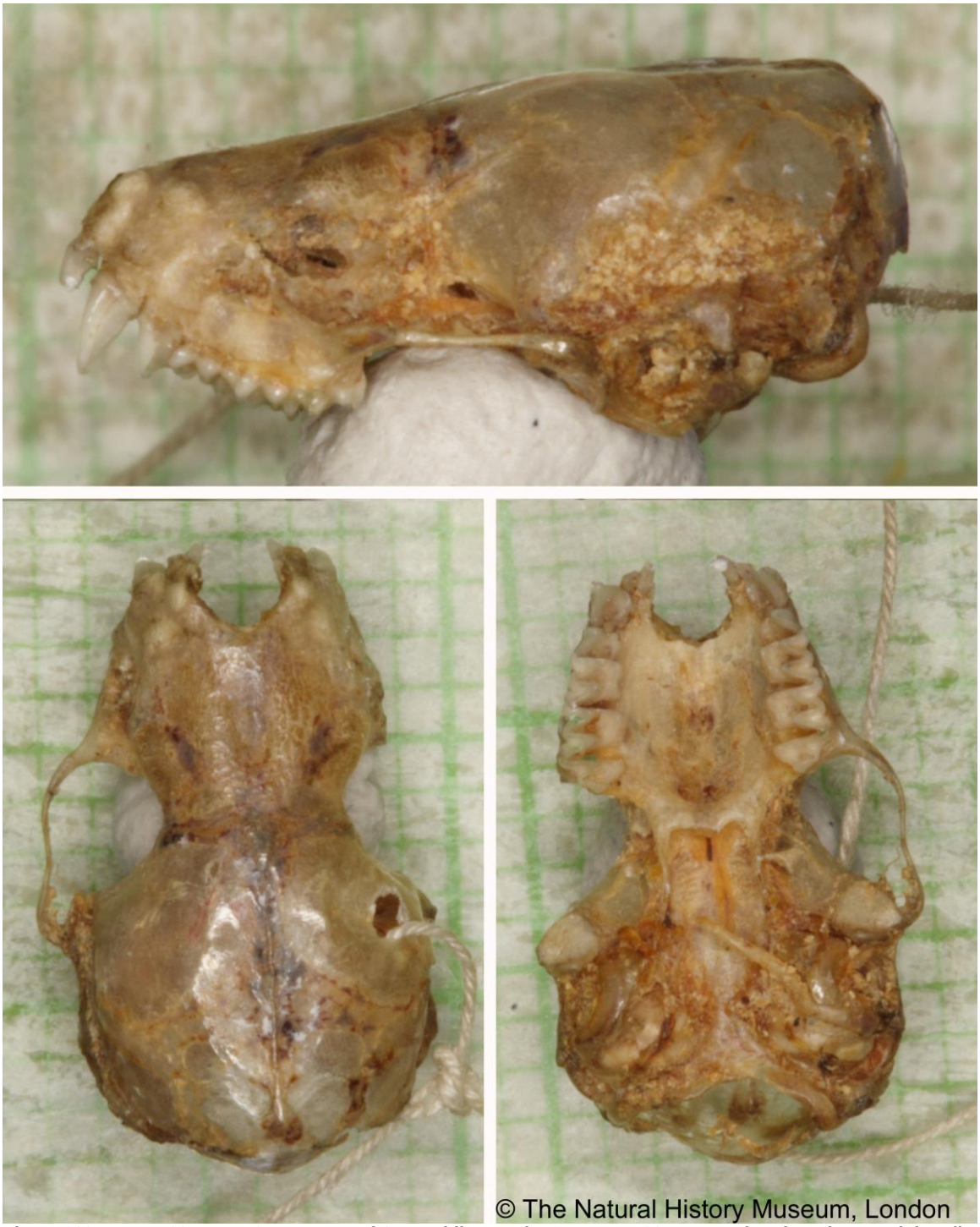

Figure 383 BMNH 1907.1.1.419 Lectotype of *Scotophilus rusticus* Tomes, 1861, currently referred to as *Pipistrellus rusticus*.

Figure 384 BMNH 1907.1.1.420 Paralectotype of *Scotophilus rusticus* Tomes, 1861, currently referred to as *Pipistrellus rusticus*.

Figure 385 BMNH 1907.1.1.422 Syntype of *Vespertilio nanus* Peters, 1952, currently referred to as *Pipistrellus nanus*.

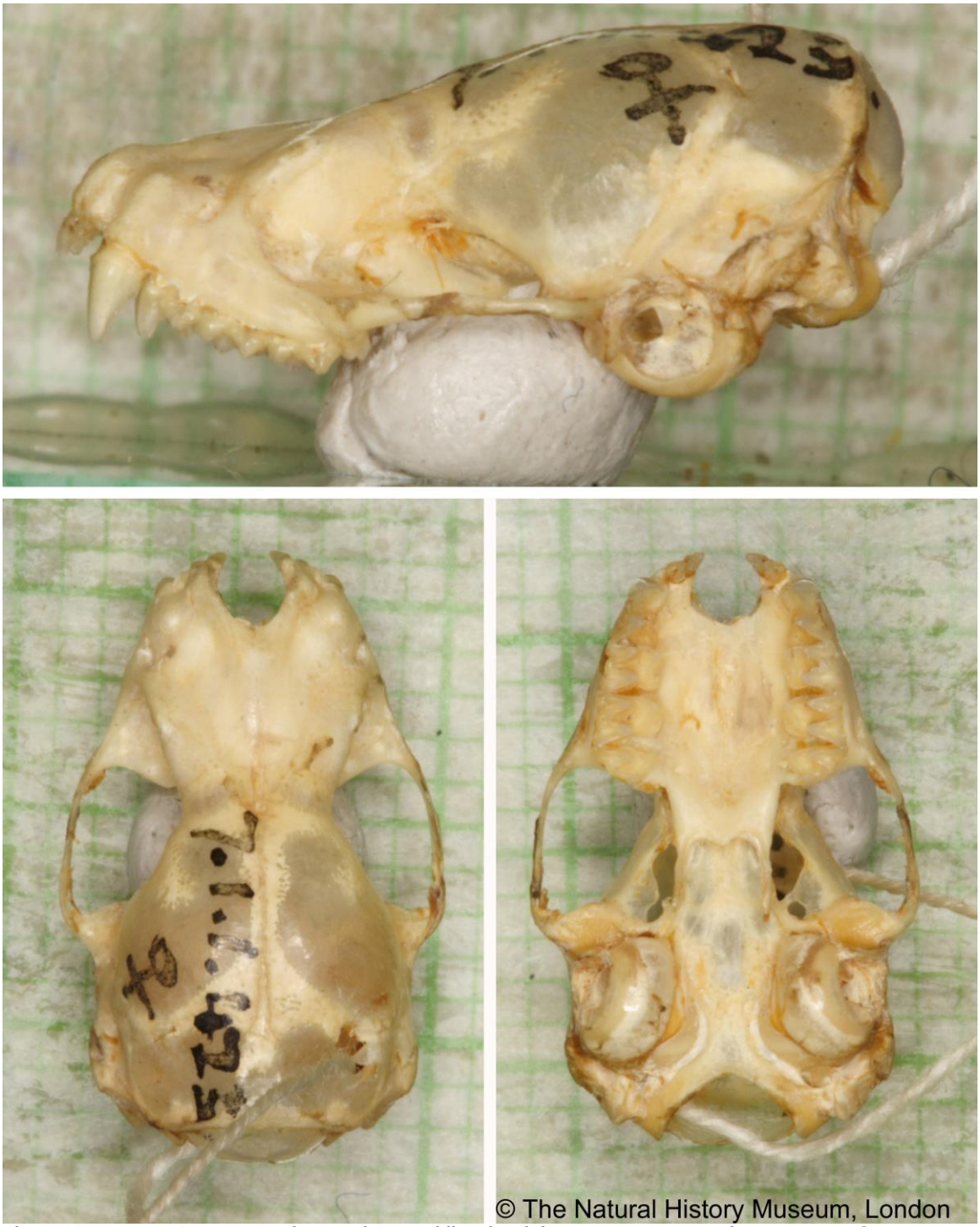

Figure 386 BMNH 1907.1.1.423 Holotype of *Scotophilus darwini* Tomes, 1859, currently a synonym of *Hypsugo savii* (Bonaparte, 1837).

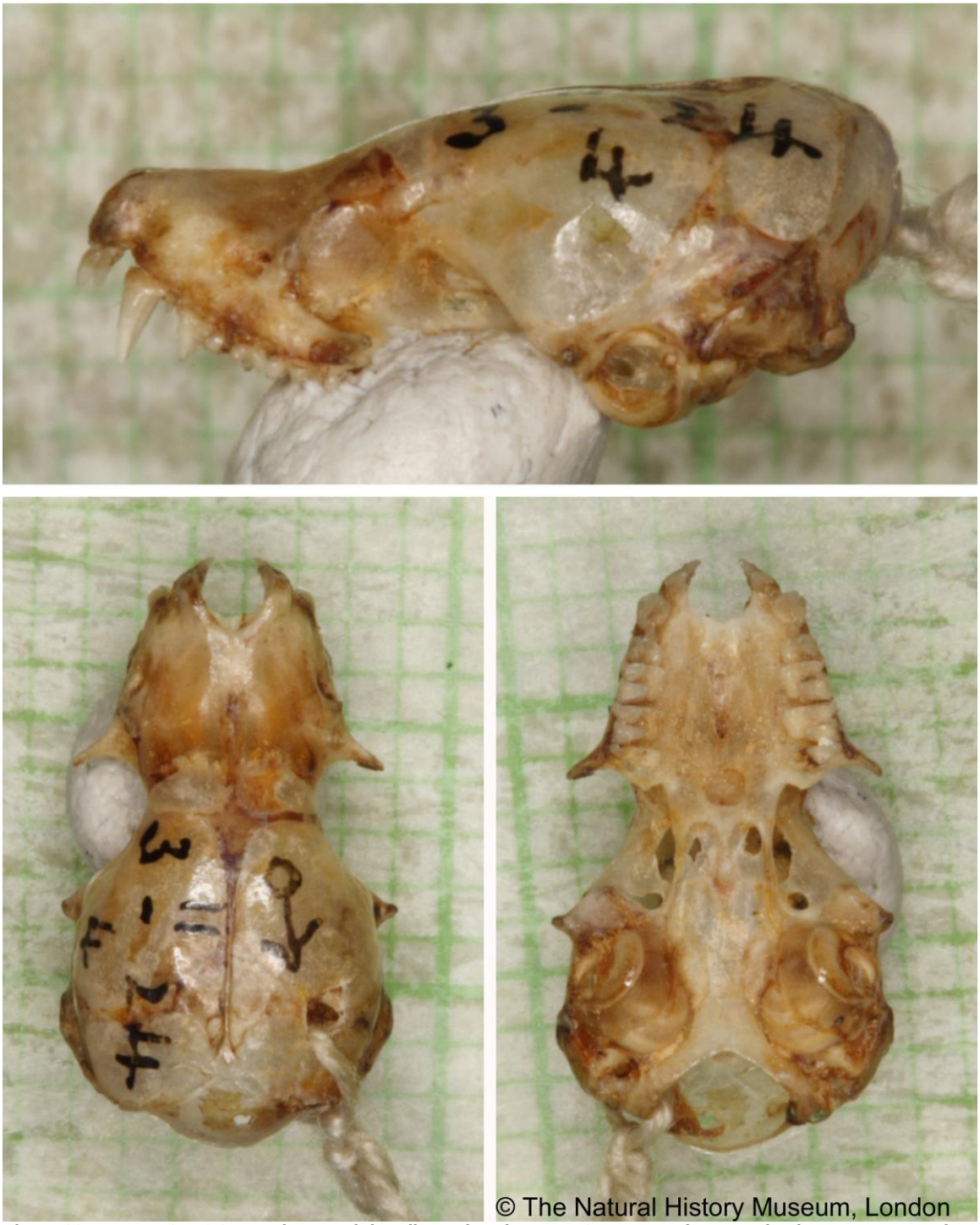

Figure 387 BMNH 1911.3.24.4 Holotype *Pipistrellus culex* Thomas, 1911, currently recognised as a synonym of *Pipistrellus nanus* (Peters, 1852).

Figure 388 BMNH 1913.2.8.1 Holotype of *Pipistrellus musciculus* Thomas, 1913, currently referred to as *Hypsugo musciculus*.

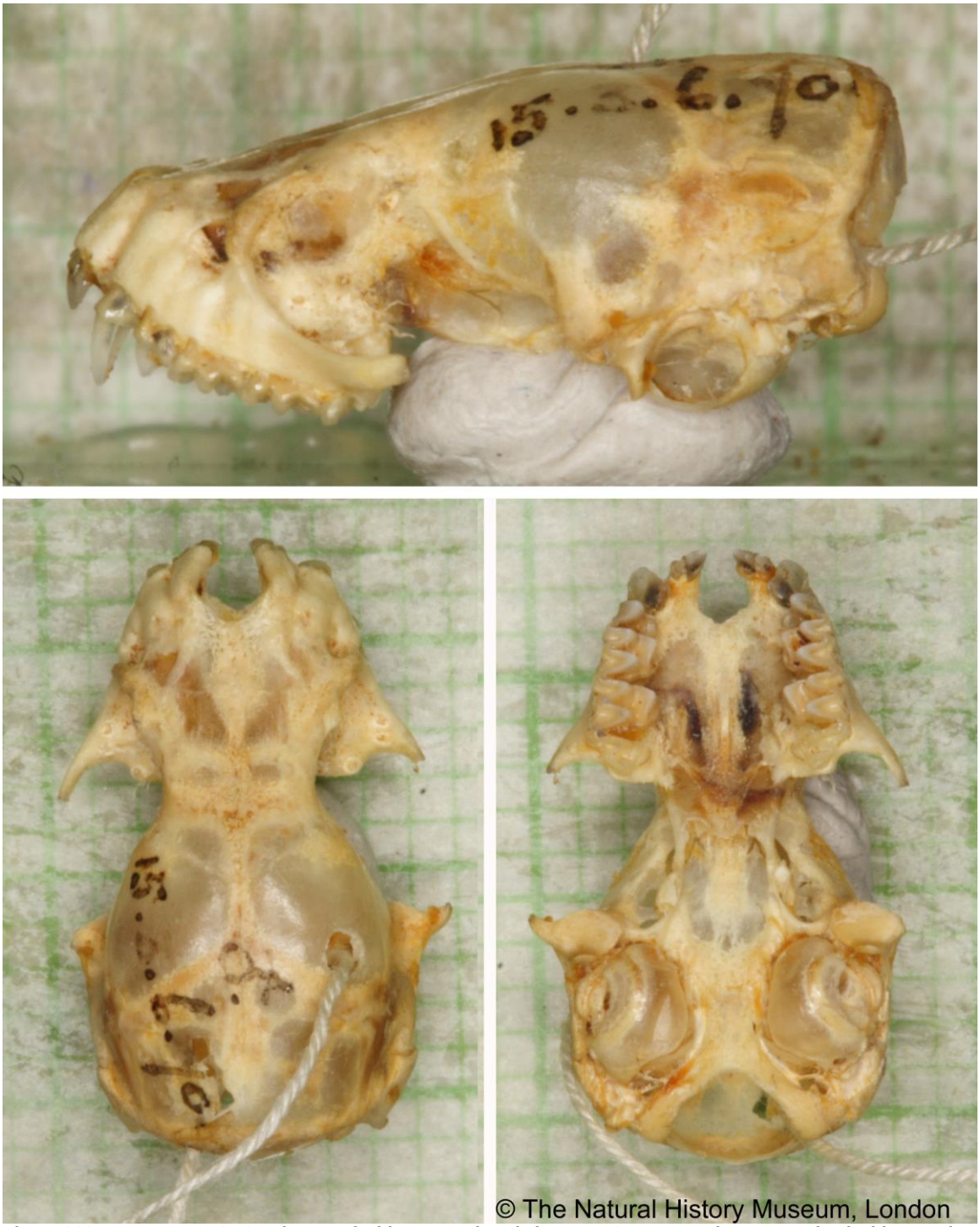

Figure 389 BMNH 1915.3.6.70 Holotype of *Rhinopterus lowei* Thomas, 1915, currently synonomised with *Eptesicus floweri* (de Winton, 1901).

Figure 390 BMNH 1919.7.7.3528 Holotype of *Vesperugo (Vesperus) innesi* Lataste, 1887, currently synonymised with *Eptesicus bottae* (Peters, 1869).

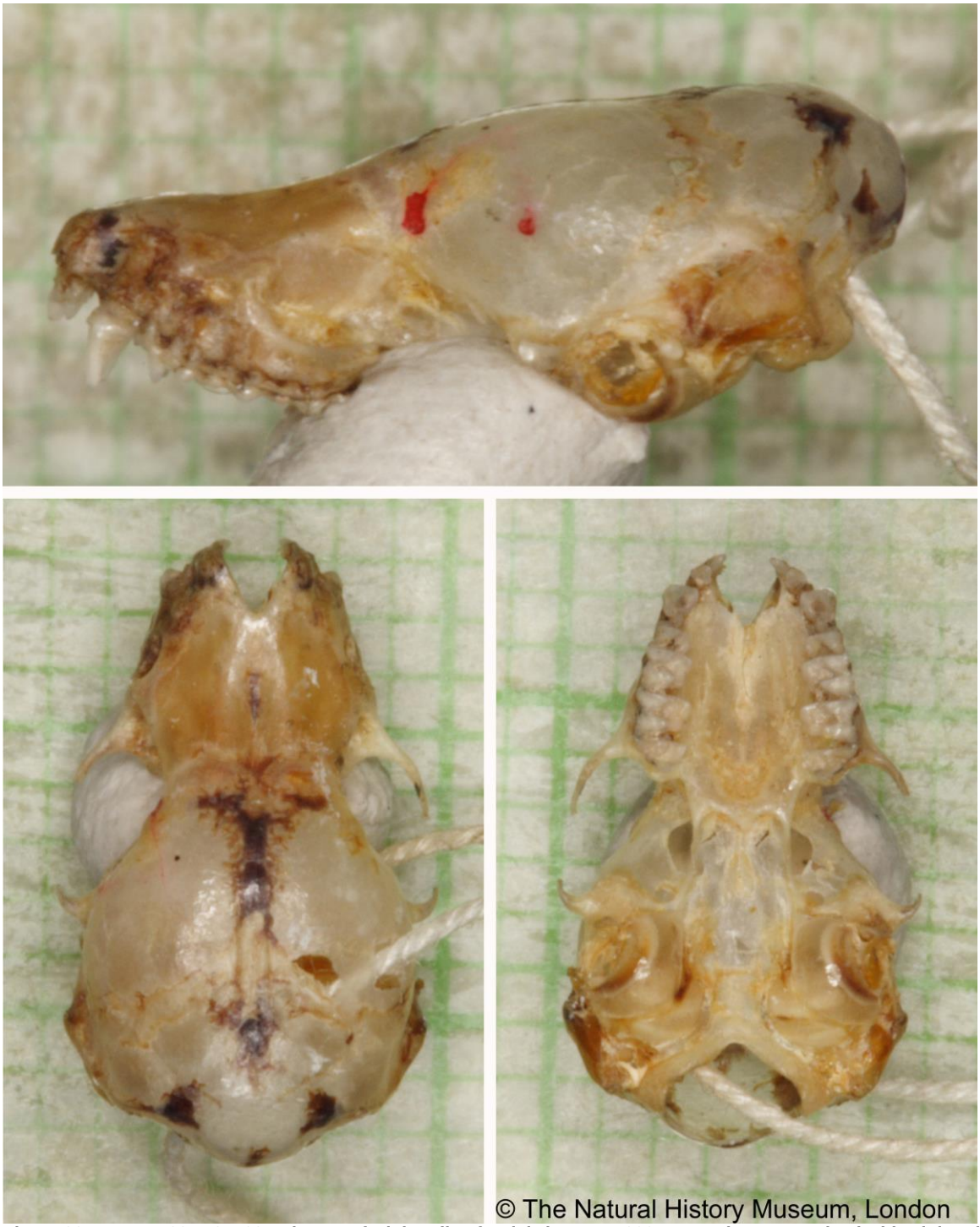

Figure 391 BMNH 1925.12.4.20 Holotype of *Pipistrellus fouriei* Thomas, 1926, currently synonymised with *Pipistrellus nanus* (Peters, 1852).

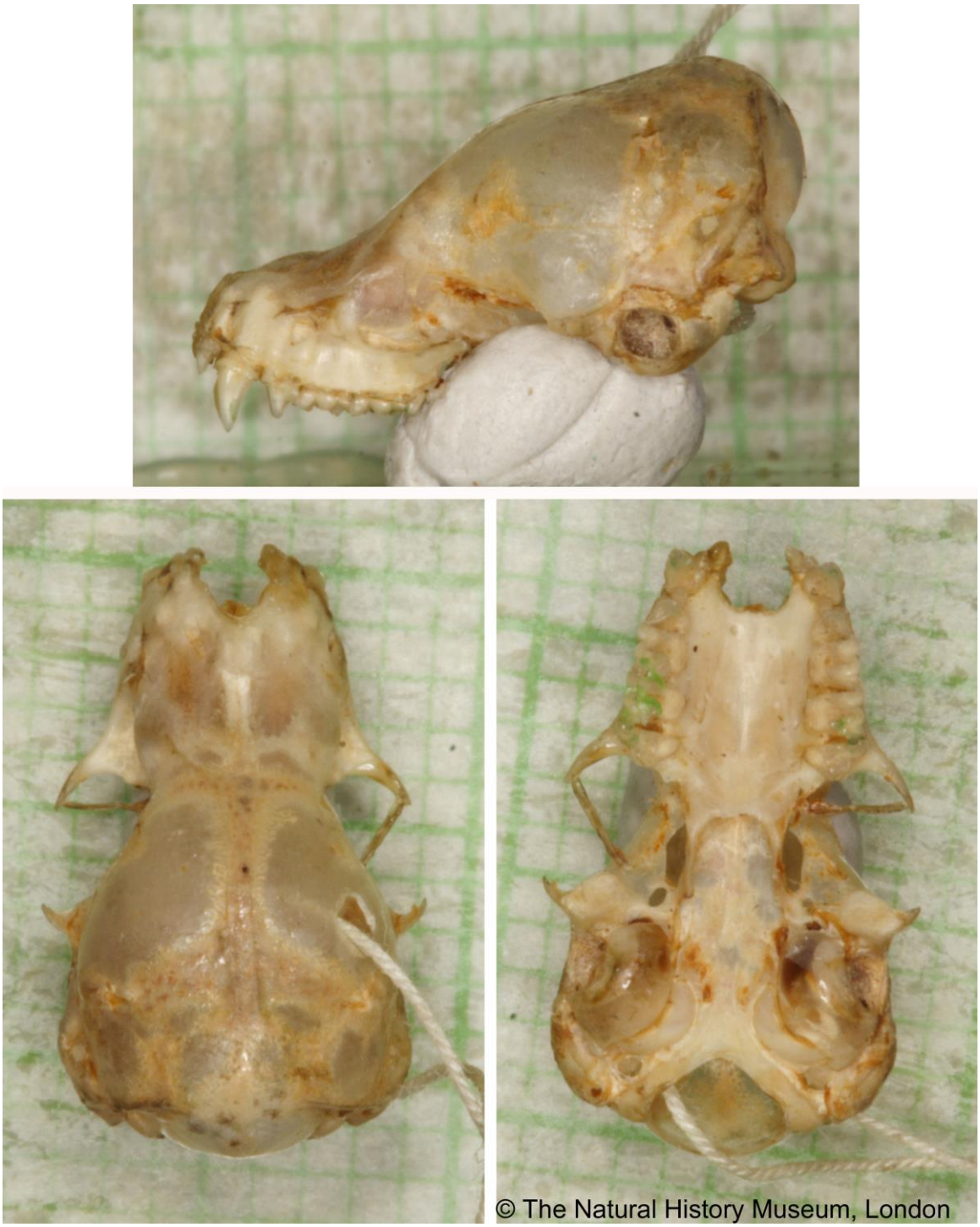

Figure 392 BMNH 1955.8.16.34 Holotype of *Vesperugo maderensis* Dobson, 1878, currently known as *Pipistrellus maderensis*.

Figure 393 TM 1021 Holotype of *Rhinolophus swinnyi* Gough, 1908.

Figure 394 TM 2286 Holotype of *Cistugo lesueuri* Roberts, 1919

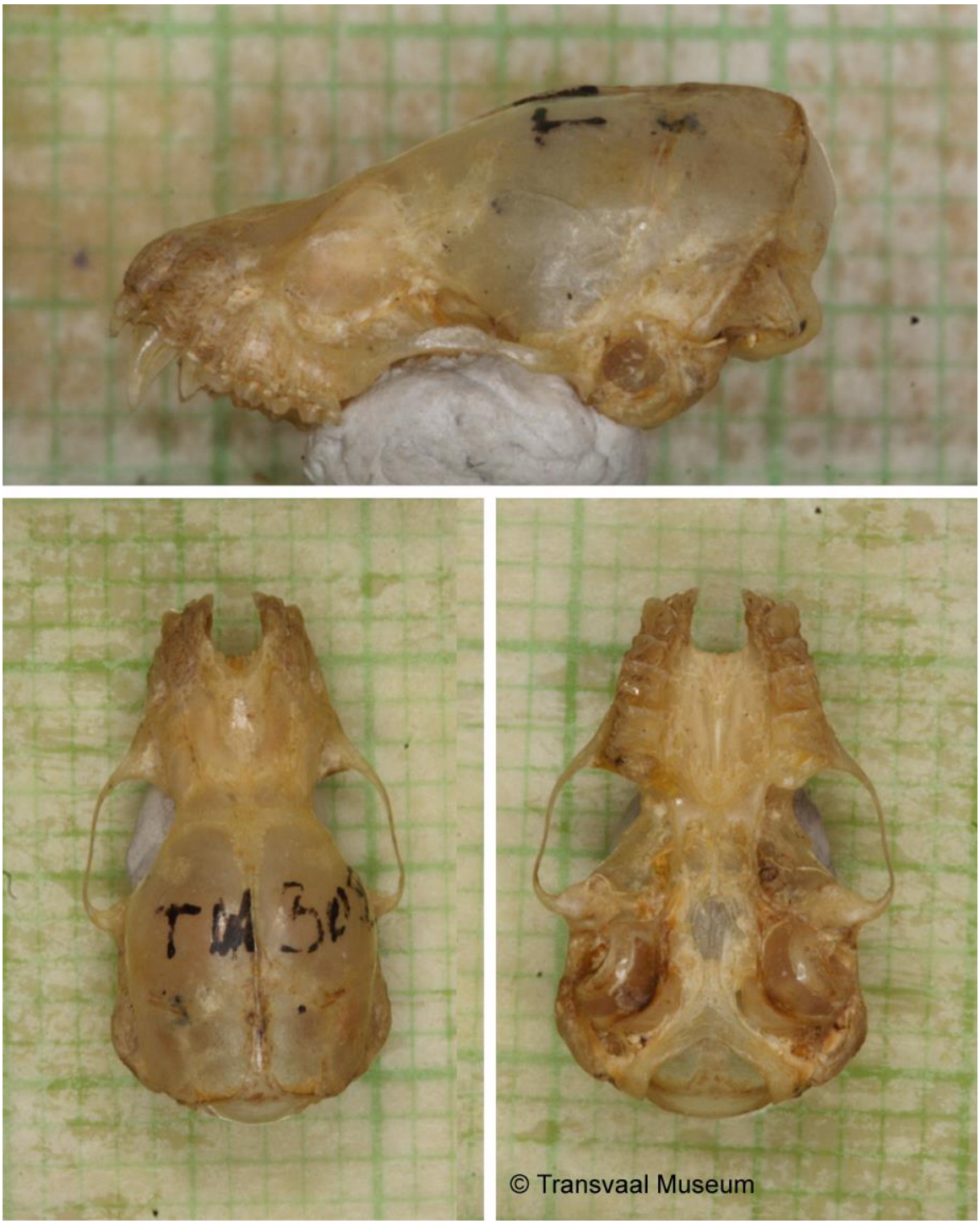

Figure 395 TM 3024 Holotype of *Eptesicus zuluensis* Roberts, 1924, now referred to as *Neoromicia zuluensis*.

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Figure 396 BMNH 1872.10.24.5 Type of *Scotophilus gigas* Dobson, 1875, now referred to as *Scotophilus nigrita* (Schreber, 1774).

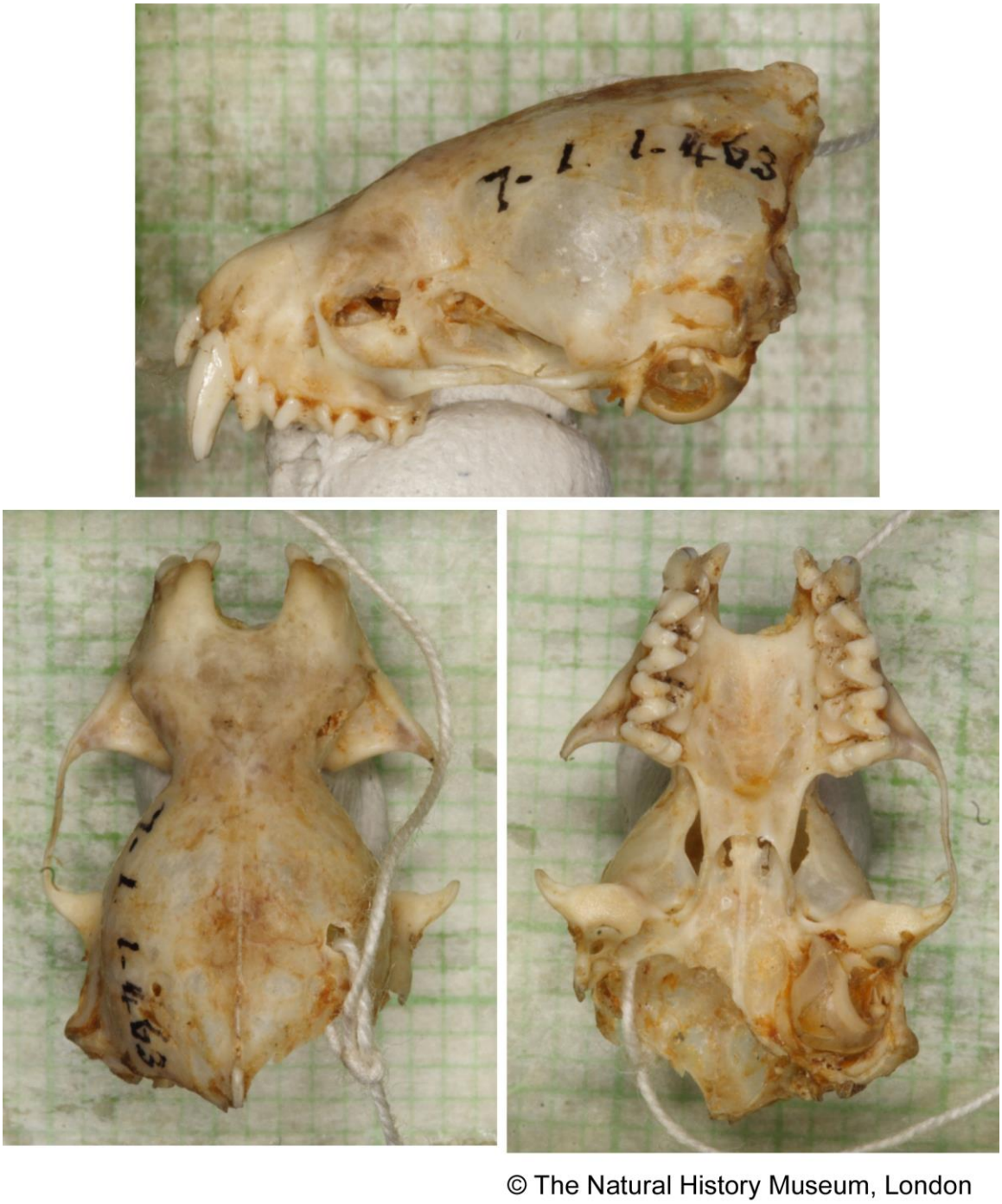

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Figure 397 BMNH 1907.1.1.463 Holotype of *Scotophilus damarensis* Tomas, 1906, now referred to as *Scotophilus leucogaster* (Cretzschmar, 1826).

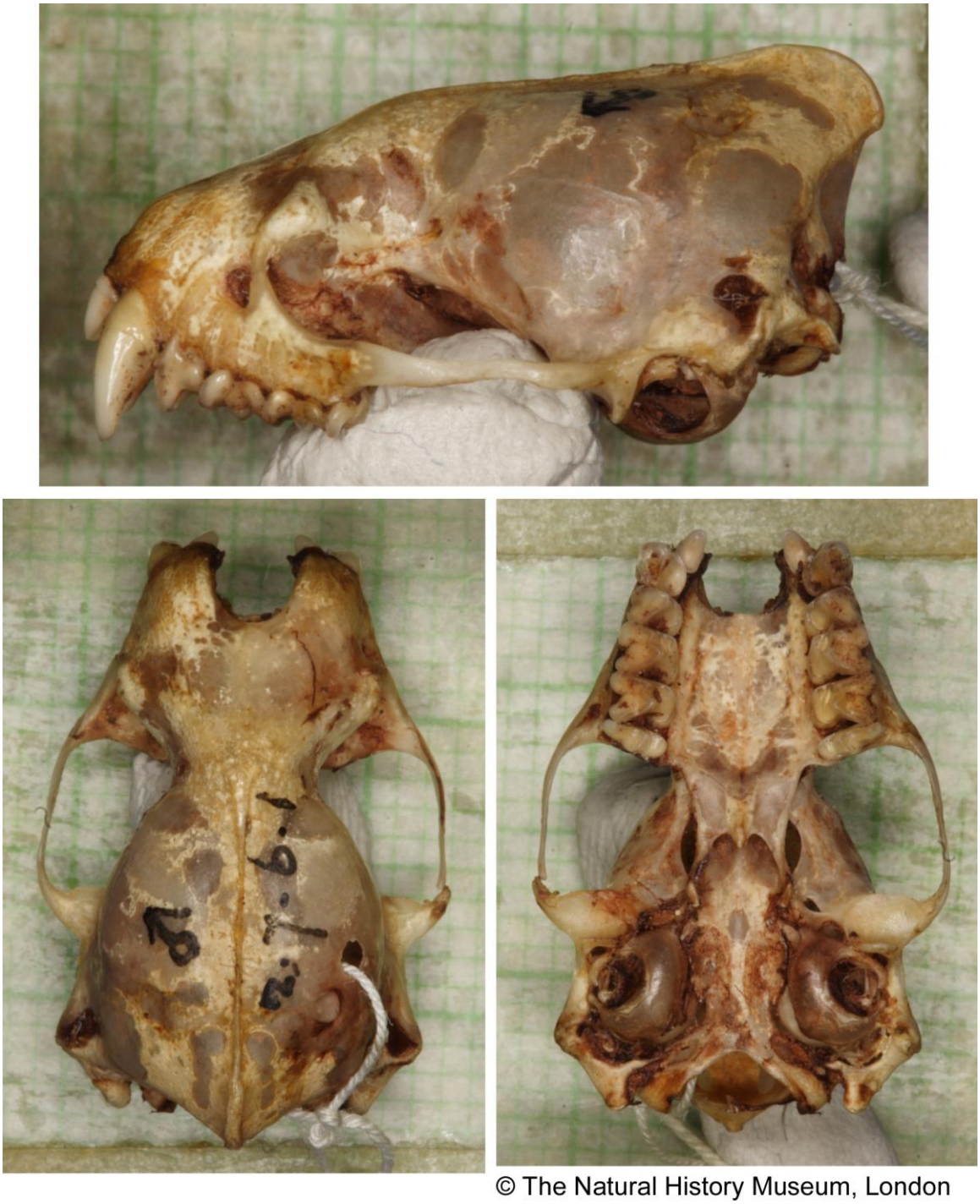

Figure 398 BMNH 1902.7.6.11 Holotype of *Scotophilus nigrita colias* Thomas, 1904, now referred to as *Scotophilus dinganii* (A. Smith, 1833).

Figure 399 BMNH 1903.2.4.5 Holotype of *Scotophilus nigrita nux* Thomas, 1904, now referred to as *Scotophilus nux* (Thomas, 1904).

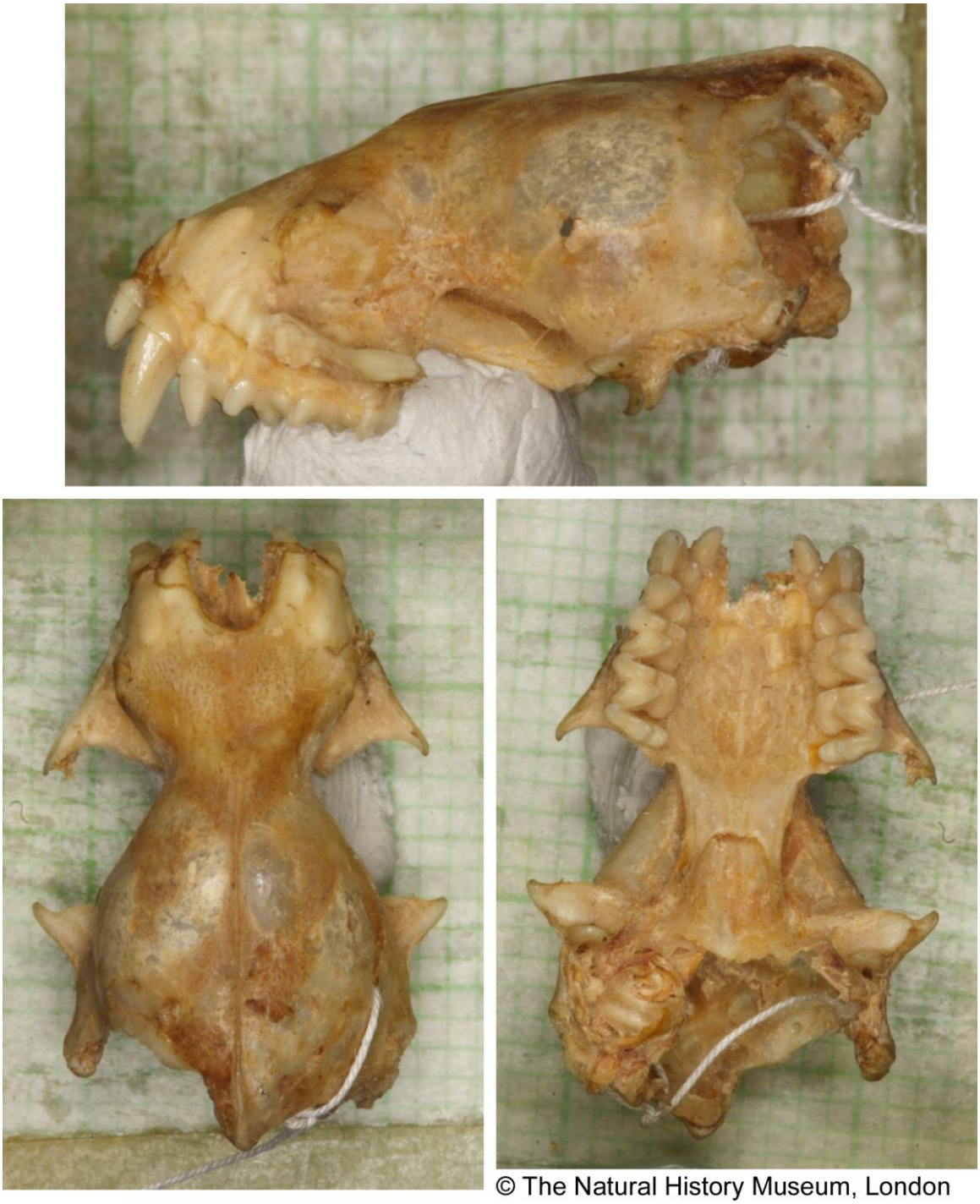

Figure 400 BMNH 1903.1.1.449 Holotype of *Scotophilus nigrita herero* Thomas, 1906, now referred to as *Scotophilus dinganii* (A. Smith, 1833).

Appendix 7: Summary of Characteristic Information

Appendix 7a: Echolocation call Parameters from Literature

ACR taxon - the taxon names as used in the current African Chiroptera Report.

ind.: the number of individuals used to record echolocation from, if indicated the number recorded in different contexts is shown, and what sex and age (j. = juvenile, a. = adult, f = female, m = male) the individuals where.

calls: the number of calls on which the analysis of the different echolocation parameters was based.

Duration of the call and interpulse interval in milliseconds.

Lowest and highest frequency, frequency with the most energy and bandwidth in kHz. * - fundamental frequency not first harmonic. ** - frequency at the knee values from Anabat recordings.

Band: frequency bandwidth.

Where available the call parameter information given is the mean, in brackets the standard deviation, then the range.

Reference of the publication from which the information was taken.

ISSN 1990-6471

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CHIROPTERA	*Molossidae*	Kenya: Taita	4		3	20.7 (0.7) 17.9-22.6		11.6 (0.3) 11.3-11.8	14.9 (1.2) 13.5-15.8	12.5 (0.4) 12.3-12.6		Taylor et al. (2005) Originally identified as "unknown Mollosid"
Rousettus aegyptiacus	*Rousettus aegyptiacus*					0.6-1	15-20	12	70	20-40		von Hebert (1985)
Rousettus aegyptiacus	*Rousettus aegyptiacus*	UK: Tropical World Zoo	10	5	10							Holland et al. (2004a)
Asellia tridens	*Asellia tridens*	Egypt: near Cairo	1	11	5				115-121			Pye (1972)
Asellia tridens	*Asellia tridens*	The Gambia: Georgetown, near	2	20 a/f	10							Jones et al. (1993)
Asellia tridens	*Asellia tridens*	The Gambia: Georgetown, near	2	9 j/m	10							Jones et al. (1993)
Asellia tridens	*Asellia tridens*	The Gambia: Georgetown, near	2	15 j/f	10							Jones et al. (1993)
Asellia tridens	*Asellia tridens*	The Gambia: Georgetown, near	2		14							Jones et al. (1993)
Asellia tridens	*Asellia tridens*	The Gambia: Georgetown, near	2	4 a/m	10							Jones et al. (1993)
Hipposideros caffer	*Hipposideros caffer*	Kenya: Shimoni cave	1	4	48				147-155			Pye (1972)
Hipposideros caffer	*Hipposideros caffer*	Kenya: Shimoni cave	15	12	48				146-160			Pye (1972)
Hipposideros caffer	*Hipposideros caffer*	Uganda: Entebbe	1	8	48				145-153			Pye (1972)
Hipposideros caffer	*Hipposideros caffer*	Kenya: Masalani						155	155			O'Shea and Vaughan (1980)
Hipposideros caffer	*Hipposideros caffer*	South Africa: Pafuri	7 + 12	5 & 20		7		105	138			Aldridge and Rautenbach (1987)
Hipposideros caffer	*Hipposideros caffer*	The Gambia: Georgetown, near	2	4 m	10							Jones et al. (1993)

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Hipposideros caffer	*Hipposideros caffer*	The Gambia: Georgetown, near	2	2 f	10							Jones et al. (1993)
Hipposideros caffer	*Hipposideros caffer*	South Africa: Jozini	7		14							Taylor (1999b)
Hipposideros caffer	*Hipposideros caffer*	Guinea: Simandou Range	1	3					106.2-164.1			Fahr and Ebigbo (2003) Originally identified as *Hipposideros* cf. *caffer*
Hipposideros caffer	*Hipposideros caffer*	Kenya: TDC	4	1	17	6 (0.2) 6-7	7.9 (1) 10-Julb	136 (1.4) 133-139	157 (0.2) 157	156		Taylor et al. (2005)
Hipposideros caffer	*Hipposideros caffer*	Swaziland:	1	7	88				143.0 (1.43) 140.4-145.5			Monadjem et al. (2007a)
Hipposideros caffer	*Hipposideros caffer*	Swaziland:	1	6 f	85				142.9 (1.39) 140.4-145.5			Monadjem et al. (2007a)
Hipposideros caffer	*Hipposideros caffer*	Swaziland:	1	1 m	3				145.0 (0.76) 144.1-145.5			Monadjem et al. (2007a)
Hipposideros caffer	*Hipposideros caffer*			10							71	Monadjem et al. (2010d) two harmonics
Hipposideros fuliginosus	*Hipposideros fuliginosus*	Guinea: Simandou Range	1	6								Fahr and Ebigbo (2003) Pye (1972)
Hipposideros ruber	*Hipposideros caffer*	Nigeria: Shagunu	1	3	30				130-133			Re-identified by Jones et al. (1993) as *Hipposideros ruber*.

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Hipposideros ruber	*Hipposideros ruber*	Zimbabwe: Sengwa	5	5		7		105	138	138		Fenton and Bell (1981)
Hipposideros ruber	*Hipposideros ruber*	The Gambia: three diff. loc.	2	20 m	10							Jones et al. (1993)
Hipposideros ruber	*Hipposideros ruber*	The Gambia: three diff. loc.	2	8 f	10							Jones et al. (1993)
Hipposideros ruber	*Hipposideros ruber*	Guinea: Simandou Range	1	1					146.7			Fahr and Ebigbo (2003) Originally identified as *Hipposideros* cf. *ruber*
Macronycteris commersoni	*Hipposideros commersoni*	Kenya: Shimoni cave	1	7					66			Pye (1972) Bimodal distribution of frequencies correlated with forearm length could represent different subspecies – *H. c. marungensis* and *H. c. gigas*.
Macronycteris commersoni	*Hipposideros commersoni*	Kenya: Shimoni cave	1	12					56			Pye (1972) Bimodal distribution of frequencies correlated with forearm length could represent different subspecies – *H. c. marungensis* and *H. c. gigas*.

ISSN 1990-6471

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Macronycteris commersoni	*Hipposideros commersoni*	Kenya: Masalani	1					33	33			O'Shea and Vaughan (1980)
Macronycteris commersoni	*Hipposideros commersoni*	Zimbabwe: Sengwa	7	3		12		55	62	61		Fenton and Bell (1981)
Macronycteris commersoni	*Hipposideros commersoni*	South Africa: Pafuri	7	2		12		55	62			Aldridge and Rautenbach (1987)
Cardioderma cor	*Cardioderma cor*	Kenya: Masalani	5					42	42			O'Shea and Vaughan (1980)
Cardioderma cor	*Cardioderma cor*	Kenya: Rukanga	1	1	29	2 (0.2) 2.0-3.0	75 (43) 24-180	39.6 (1.5) 38-43	90.9 (3.1) 85.0-98.0	56.7 (11) 42-81		Taylor et al. (2005)
Lavia frons	*Lavia frons*	Kenya: Mara River	1		13	3.5 (0.7) 2-4	83 (40) 33-147	16.9 (0.3) 16-17	82.9 (3.8) 76-89	18.5 (1) 18-21		Taylor et al. (2005)
Lavia frons	*Lavia frons*			13								Monadjem et al. (2010d) peaks at 18, 53, 72
Rhinolophus alcyone	*Rhinolophus alcyone*	Guinea: Simandou Range	1	1					67.4			Fahr and Ebigbo (2003)
Rhinolophus blasii	*Rhinolophus blasii*	South Africa:	3	2								Jacobs et al. (2007a)
Rhinolophus blasii	*Rhinolophus blasii*	Swaziland:	1	1	115				86.6 (0.23) 86.0-87.0			Monadjem et al. (2007a)
Rhinolophus blasii	*Rhinolophus blasii*			2								Monadjem et al. (2010d) two to third harmonic
Rhinolophus capensis	*Rhinolophus capensis*	South Africa:	3	28								Jacobs et al. (2007a)
Rhinolophus capensis	*Rhinolophus capensis*			10								Monadjem et al. (2010d)
Rhinolophus clivosus	*Rhinolophus clivosus*	Swaziland: Mlawula	1		10							Taylor (1999b)

ISSN 1990-6471

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Rhinolophus clivosus	*Rhinolophus clivosus*	South Africa: Dundee	1		21							Taylor (1999b)
Rhinolophus clivosus	*Rhinolophus clivosus*	South Africa:	3	30								Jacobs et al. (2007a)
Rhinolophus clivosus	*Rhinolophus clivosus*	Swaziland:		1 f	285				92.5 (0.04) 92.5-93.0			Monadjem et al. (2007a)
Rhinolophus clivosus	*Rhinolophus clivosus*	Swaziland:	1 + 5	4 & 1	432				91.9 (0.65) 89.9-93.0			Monadjem et al. (2007a)
Rhinolophus clivosus	*Rhinolophus clivosus*	Swaziland:		4 m	147				91.6 (0.61) 89.9-93.0			Monadjem et al. (2007a)
Rhinolophus clivosus	*Rhinolophus clivosus*			10								Monadjem et al. (2010d)
Rhinolophus darlingi	*Rhinolophus Darlingi*	South Africa:	3	10								Jacobs et al. (2007a)
Rhinolophus darlingi	*Rhinolophus Darlingi*	Swaziland:	1 + 4	2 & 1	142				85.8 (0.36) 84.7-86.5			Monadjem et al. (2007a)
Rhinolophus darlingi	*Rhinolophus darlingi*			10								Monadjem et al. (2010d) two to third harmonic
Rhinolophus deckenii	*Rhinolophus deckenii*									72		Monadjem et al. (2010d)
Rhinolophus denti	*Rhinolophus Denti*	Zimbabwe: Sengwa	5	1				70	95			Fenton (1975)
Rhinolophus denti	*Rhinolophus Denti*	Zimbabwe: Sengwa	5	3		15		82				Fenton and Bell (1981)
Rhinolophus denti	*Rhinolophus Denti*	South Africa:	3	10								Jacobs et al. (2007a)
Rhinolophus fumigatus	*Rhinolophus fumigatus*	Zimbabwe: Sengwa	5	2				50	60			Fenton (1975)
Rhinolophus fumigatus	*Rhinolophus fumigatus*	South Africa: Pafuri	7	6		15		50	55			Aldridge and Rautenbach (1987)
Rhinolophus fumigatus	*Rhinolophus fumigatus*	South Africa:	3	2								Jacobs et al. (2007a)
Rhinolophus fumigatus	*Rhinolophus fumigatus*			2								Monadjem et al. (2010d)

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Rhinolophus guineensis	*Rhinolophus guineensis*	Guinea: Simandou Range	1	2					85.3-85.4			Fahr and Ebigbo (2003)
Rhinolophus hildebrandtii	*Rhinolophus Hildebrandtii*	Zimbabwe: Sengwa	5	2				45	55			Fenton (1975) Originally identified as *Rhinolophus hildebrandti*
Rhinolophus hildebrandtii	*Rhinolophus Hildebrandtii*	Zimbabwe: Sengwa	7	2		15						Fenton and Bell (1981) Originally identified as *Rhinolophus hildebrandti*
Rhinolophus hildebrandtii	*Rhinolophus Hildebrandtii*	Kenya: Mara River	4	1	12	45.2 (6.2) 33-53	55 (5) 49-67	40.6 (0.9) 39-42	42.3 (0.2) 42-43	42.1 (0.3) 41-42		Taylor et al. (2005) Originally identified as *Rhinolophus* cf. *hildebrandtii*
Rhinolophus hildebrandtii	*Rhinolophus Hildebrandtii*	Kenya: Bungule	4	1	19	46.9 (7.2) 24-55	44 (21) 16-88	42 (0.1) 41.9-42.2	42.4 (0) 42.2-42.4	42.2 (0.1) 42.2-42.4		Taylor et al. (2005) Originally identified as *Rhinolophus* cf. *hildebrandtii*
Rhinolophus hildebrandtii	*Rhinolophus Hildebrandtii*	Kenya: Rukanga	4	1	24	57.7 (6.8) 40-71	64 (15) 37-101	42.4 (0.1) 41.9-42.4	43.2 (0.1) 42.9-42.3b	42.8 (0.1) 42.7-42.9		Taylor et al. (2005) Originally identified as *Rhinolophus* cf. *hildebrandtii*

ISSN 1990-6471

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Rhinolophus hildebrandtii	*Rhinolophus Hildebrandtii*	South Africa:	3	10								Jacobs et al. (2007a) Originally identified as *Rhinolophus hildebrandti*
Rhinolophus hildebrandtii	*Rhinolophus hildebrandtii*			2		41					44	Monadjem et al. (2010d) Pafuri
Rhinolophus hildebrandtii	*Rhinolophus hildebrandtii*			10								Monadjem et al. (2010d) Sudwala
Rhinolophus hildebrandtii	*Rhinolophus hildebrandtii*			1							46	Monadjem et al. (2010d) Taylor *et al.* 2004
Rhinolophus hildebrandtii	*Rhinolophus hildebrandtii*										35	Monadjem et al. (2010d) Mozambique Mondajem (unpubl.)
Rhinolophus hildebrandtii	*Rhinolophus hildebrandtii*			17							37	Monadjem et al. (2010d) Taylor *et al.* 2003
Rhinolophus hildebrandtii	*Rhinolophus hildebrandtii*	Zimbabwe: Lutope Gorge									33	Monadjem et al. (2010d)
Rhinolophus hildebrandtii	*Rhinolophus hildebrandtii*										40	Monadjem et al. (2010d) Schoeman and Stoffberg (unpubl.)
Rhinolophus landeri	*Rhinolophus landeri*	Kenya: Masalani	1					55	55			O'Shea and Vaughan (1980)
Rhinolophus landeri	*Rhinolophus landeri*	South Africa: Pafuri	7	5		15		105	110			Aldridge and Rautenbach (1987)

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Rhinolophus landeri	*Rhinolophus landeri*	Guinea: Simandou Range	1	1					103.3			Fahr and Ebigbo (2003)
Rhinolophus landeri	*Rhinolophus landeri*	Kenya: Bungule	4	1	8	43.1 (11) 21-53	39.6 (15) May-50b	81 (11.2) 73-100	110 (0) 110	109 (0.6) 108-109		Taylor et al. (2005)
Rhinolophus landeri	*Rhinolophus landeri*	South Africa:	3	2								Jacobs et al. (2007a)
Rhinolophus landeri	*Rhinolophus landeri*			2								Monadjem et al. (2010d)
Rhinolophus simulator	*Rhinolophus simulator*	Zimbabwe: Sengwa	5	1		20		64	78	78		Fenton and Bell (1981)
Rhinolophus simulator	*Rhinolophus simulator*	South Africa: Shongweni	1		10							Taylor (1999b)
Rhinolophus simulator	*Rhinolophus simulator*	South Africa:	3	10								Jacobs et al. (2007a)
Rhinolophus simulator	*Rhinolophus simulator*	Swaziland:	1 + 5	2 & 1	360				84.1 (0.36) 82.1-84.7			Monadjem et al. (2007a)
Rhinolophus simulator	*Rhinolophus simulator*			10								Monadjem et al. (2010d) fundemental and third harmonic might be present
Rhinolophus swinnyi	*Rhinolophus swinnyi*	South Africa: Pafuri	7	1		15		100	115			Aldridge and Rautenbach (1987)
Rhinolophus swinnyi	*Rhinolophus swinnyi*	South Africa:	3	10								Jacobs et al. (2007a)
Rhinolophus swinnyi	*Rhinolophus swinnyi*			10								Monadjem et al. (2010d)
Cloeotis percivali	*Cloeotis percivali*	Zimbabwe: Sengwa	5	1		3		183	212	212		Fenton and Bell (1981)
Cloeotis percivali	*Cloeotis percivali*	South Africa: Jozini	1		13				104.2 (0.4) *			Taylor (1999b)
Cloeotis percivali	*Cloeotis percivali*	Swaziland:	1	2	124				103.4 (0.74) 101.6-105.3*			Monadjem et al. (2007a)

ISSN 1990-6471

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Cloeotis percivali	*Cloeotis percivali*	Swaziland:	1	1 f	34				102.9 (0.52) 102.2-104.2*			Monadjem et al. (2007a)
Cloeotis percivali	*Cloeotis percivali*	Swaziland:	1	1 m	90				103.7 (0.71) 101.6-105.3*			Monadjem et al. (2007a)
Cloeotis percivali	*Cloeotis percivali*			6							104	Monadjem et al. (2010d) two harmonics
Coleura afra	*Coleura afra*	Kenya: Bungule	4	1	25	3.8 (0.6) 2.9-5.4	67.0 (46) 14-221	31.1 (1.2) 29.5-33.6	35.3 (1.7) 33.5-38.4	34.2 (1.7) 31.5-36.4		Taylor et al. (2005)
Coleura afra	*Coleura afra*	Kenya: Marungu Cave	4	1	11	7.7 (0.5) 7.0-8.0	180 (52) 98-216	30.7 (1.4) 29.6-33.6	32.2 (1.8) 30.7-35.8	31.2 (1.8) 30-34		Taylor et al. (2005)
Coleura afra	*Coleura afra*	Kenya: TDC	4	1	13	10.7 (1.2) 8.3-13.0	150 (65) 77-250	33.1 (1.9) 30.5-35.4	35.3 (1.7) 33.5-38.4	34.2 (1.7) 31.5-36.4		Taylor et al. (2005)
Coleura afra	*Coleura afra*			3								Monadjem et al. (2010d) second harmonic often present
Taphozous mauritianus	*Taphozous mauritianus*	Zimbabwe: Sengwa	5	2				30	50			Fenton (1975)
Taphozous mauritianus	*Taphozous mauritianus*	Zimbabwe: Sengwa	7	1		15		12	55	25		Fenton and Bell (1981)
Taphozous mauritianus	*Taphozous mauritianus*	South Africa: Pafuri	7	2		20		15	59			Aldridge and Rautenbach (1987)
Taphozous mauritianus	*Taphozous mauritianus*	South Africa: Durban, near	7		5							Taylor (1999b)
Taphozous mauritianus	*Taphozous mauritianus*	South Africa: Durban	7		8							Taylor (1999b)
Taphozous mauritianus	*Taphozous mauritianus*	Swaziland: Mlawula	7		12							Taylor (1999b)
Taphozous mauritianus	*Taphozous mauritianus*	South Africa: Durban, near	7		1	18		9.9	15.6	12.8	5.7	Taylor (1999b)
Taphozous mauritianus	*Taphozous mauritianus*	Swaziland: Mlawula	7		5							Taylor (1999b)

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Taphozous mauritianus	*Taphozous mauritianus*			6								Monadjem et al. (2010d) second and third harmonic can be present
Nycteris grandis	*Nycteris grandis*			7	32							Monadjem et al. (2010d) peaks 40 62 84
Nycteris hispida	*Nycteris hispida*	Kenya: Mara River	1		16	31.1 (19) 8.0-56.0	142 (57) 52-310	36.6 (0.5) 30.5-35.4	39.8 (1.2) 38.0-42.0	38.2 (0.4) 38-39		Taylor et al. (2005)
Nycteris hispida	*Nycteris hispida*			2								Monadjem et al. (2010d) 40 60 kHz
Nycteris macrotis	*Nycteris macrotis*			2								Monadjem et al. (2010d) additional peaks 29 49 70
Nycteris thebaica	*Nycteris thebaica*	Zimbabwe: Sengwa	5	6				70	95			Fenton (1975)
Nycteris thebaica	*Nycteris thebaica*	Zimbabwe: Sengwa	5	3		2		61	97	94		Fenton and Bell (1981)
Nycteris thebaica	*Nycteris thebaica*	South Africa: Pafuri	7	4		2		61	97			Aldridge and Rautenbach (1987)
Nycteris thebaica	*Nycteris thebaica*	Swaziland: Mlawula	7		9							Taylor (1999b)
Nycteris thebaica	*Nycteris thebaica*			10								Monadjem et al. (2010d) add peaks 50 73 113
Nycteris woodi	*Nycteris woodi*	Zimbabwe: Sengwa	5	5		2		35	55	43		Fenton and Bell (1981)
Nycteris woodi	*Nycteris woodi*			5		2				43	20	Monadjem et al. (2010d)

ISSN 1990-6471

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Chaerephon	*Chaerephon*	South Africa:	6 + 7		60							Fenton et al. (2004)
Chaerephon ansorgei	*Chaerephon ansorgei*	Zimbabwe: Sengwa	7	5		15		16	28	17.8		Fenton and Bell (1981) Originally identified as *Tadarida ansorgei*
Chaerephon ansorgei	*Chaerephon ansorgei*			5		15				17.8		Monadjem et al. (2010d) 2 individuals: Peak freq: 24.2±1.58; Duration: 6.1±0.88, 2nd and third harmonics may be present
Chaerephon bivittatus	*Chaerephon bivittatus*			1	16							Monadjem et al. (2010d) 2nd and 3rd harmonic can be present
Chaerephon chapini	*Chaerephon chapini*	Zimbabwe: Sengwa	7	5		10		19	27	20.5		Fenton and Bell (1981) Originally identified as *Tadarida chapini*
Chaerephon chapini	*Chaerephon chapini*			5		10				20	8	Monadjem et al. (2010d)
Chaerephon nigeriae	*Chærephon nigeriæ*	Zimbabwe: Sengwa	5	3				25	80			Fenton (1975) Originally identified as *Tadarida nigeriae*

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Chaerephon nigeriae	*Chærephon nigeriæ*	Zimbabwe: Sengwa	7	3		10		16	26	17		Fenton and Bell (1981) Originally identified as *Tadarida nigeriae*
Chaerephon nigeriae	*Chaerephon nigeriae*			3		10				17	10	Monadjem et al. (2010d)
Chaerephon nigeriae	*Chærephon nigeriæ*	Zimbabwe: Sengwa	5	3				25	80			Fenton (1975) Originally identified as *Tadarida nigeriae*
Chaerephon nigeriae	*Chærephon nigeriæ*	Zimbabwe: Sengwa	7	3		10		16	26	17		Fenton and Bell (1981) Originally identified as *Tadarida nigeriae*
Chaerephon pumilus	*Chaerephon pumilus*	Swaziland: Mlawula	7		5							Taylor (1999b)
Chaerephon pumilus	*Chaerephon pumilus*	South Africa: Newstead	7		5							Taylor (1999b)
Chaerephon pumilus	*Chaerephon pumilus*	South Africa: Durban, near	7		11							Taylor (1999b)
Chaerephon pumilus	*Chaerephon pumilus*	South Africa: Durban	5		7			22.8 (1.4)				Taylor (1999b)
Chaerephon pumilus	*Chaerephon pumilus*	South Africa: Durban, near			20					25.6 (1.5) **		Aspetsberger et al. (2003)
Chaerephon pumilus	*Chaerephon pumilus*	South Africa: Durban			60					23.9 (1.6) **		Aspetsberger et al. (2003)
Chaerephon pumilus	*Chaerephon pumilus*	Tanzania: Amani Nature Reserve	1 + 7		36	12.1 (3.3) 8-19	385 (146) 196-754	19.1 (3.7) 14-22	22.7 (3.3) 17-27	21.2 (3.2) 16-24**		Aspetsberger et al. (2003)
Chaerephon pumilus	*Chaerephon pumilus*	South Africa:	6 + 7		60							Fenton et al. (2004)

ACR Taxon	Identification	Locality	Context	# ind.	# calls	Duration (msec)	Int. interval (msec)	Lowest freq. (kHz)	Highest freq. (kHz)	Freq. Most energy (kHz)	Band (kHz)	Reference
Chaerephon pumilus	*Chaerephon pumilus*	Kenya: Kivuko	4	1	16	10.7 (2) 6.3-14.8	195 (116) 16-386	24.4 (1.4) 23.1-28.5	28.7 (3) 25.1-36.3	25.6 (1.7) 23.8-31.		Taylor et al. (2005)
Chaerephon pumilus	*Chaerephon pumilus*			11								Monadjem et al. (2010d) second and third harmonic can be present
Mops (Mops) condylurus	*Mops (Mops) condylurus*	South Africa: St Lucia	14		6							Taylor (1999b)
Mops (Mops) condylurus	*Mops condylurus*			10								Monadjem et al. (2010d)
Mops (Mops) midas	*Mops midas*	South Africa: Pafuri	6			12		?	30			Aldridge and Rautenbach (1987) Originally identified as *Tadarida midas*
Mops (Mops) midas	*Mops midas*			3								Monadjem et al. (2010d) Gauteng, 30 kHz and 12 ms large - *Mops midas* 2 call types: low peak 15.0+ 0.3 n = 3 & 11.5 + 0.1 n = 2), narrow bandwidth (4.8 + 0.7, n = 3 & 2.7 + 0.1, n=2) long duration (16.5 + 0.7 ms, n = 3 and 15.5 + 1.5 ms, n=2)

ISSN 1990-6471

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Mops (Mops) midas	*Mops midas*			3								Monadjem et al. (2010d) Gauteng, 30kHz and 12ms large - *Mops midas* two call types: low peak 15.0+ 0.3 n=3 & 11.5 + 0.1 n =2), narrow bandwidth (4.8+0.7, n=3 & 2.7+0.1, n=2) long duration (16.5+0.7ms, n=3 and 15.5+1.5ms, n=2)
Mops (Mops) niveiventer	*Mops niveiventer*			6								Monadjem et al. (2010d)
Otomops martiensseni	*Otomops martiensseni*	Zimbabwe: Sengwa	7	1		5		10	17	13		Fenton and Bell (1981)
Otomops martiensseni	*Otomops martiensseni*	South Africa: Durban North	7		3							Taylor (1999b)
Otomops martiensseni	*Otomops martiensseni*	South Africa: Durban	6		6							Taylor (1999b)
Otomops martiensseni	*Otomops martiensseni*	South Africa: Durban	6	1	10							Fenton et al. (2004)
Otomops martiensseni	*Otomops martiensseni*	South Africa: Durban	6	1	10							Fenton et al. (2004)
Otomops martiensseni	*Otomops martiensseni*	South Africa: Durban	6	1	10							Fenton et al. (2004)
Otomops martiensseni	*Otomops martiensseni*	South Africa:	6 + 7		60							Fenton et al. (2004)
Otomops martiensseni	*Otomops martiensseni*	South Africa: Durban	6	1	10							Fenton et al. (2004)
Otomops martiensseni	*Otomops martiensseni*	South Africa: Durban	6	1	10							Fenton et al. (2004)

ISSN 1990-6471

ACR Taxon	Identification	Locality	Context	# ind.	# calls	Duration (msec)	Int. interval (msec)	Lowest freq. (kHz)	Highest freq. (kHz)	Freq. Most energy (kHz)	Band (kHz)	Reference
Otomops martiensseni	*Otomops martiensseni*	South Africa: Durban	6	1	10							Fenton et al. (2004)
Otomops martiensseni	*Otomops martiensseni*	South Africa: Durban	6	1	10							Fenton et al. (2004)
Otomops martiensseni	*Otomops martiensseni*	Kenya: Bungule	4	1	2	9 (-) 8-10		10.5 (-) 10-11	16.5 (-) 16-17	12 (-) 12		Taylor et al. (2005)
Otomops martiensseni	*Otomops martiensseni*			250								Monadjem et al. (2010d)
Sauromys petrophilus	*Sauromys petrophilus*			10								Monadjem et al. (2010d) second can be present
Tadarida aegyptiaca	*Tadarida aegyptiaca*	Zimbabwe: Sengwa	7	5		15		15	26	18		Fenton and Bell (1981)
Tadarida aegyptiaca	*Tadarida aegyptiaca*	South Africa: Durban	13		2							Taylor (1999b)
Tadarida aegyptiaca	*Tadarida aegyptiaca*	South Africa: Durban	10		21							Taylor (1999b)
Tadarida aegyptiaca	*Tadarida aegyptiaca*	South Africa: Biggarsberg	7		3							Taylor (1999b)
Tadarida aegyptiaca	*Tadarida aegyptiaca*	South Africa:	6 + 7		10							Fenton et al. (2004)
Tadarida aegyptiaca	*Tadarida aegyptiaca*			10								Monadjem et al. (2010d)
Tadarida fulminans	*Tadarida fulminans*	Zimbabwe: Sengwa	7	1		20		14	27	17		Fenton and Bell (1981)
Tadarida fulminans	*Tadarida fulminans*	South Africa: Pafuri	7	1		20		14	27			Aldridge and Rautenbach (1987)
Tadarida fulminans	*Tadarida fulminans*			1		15				17	13	Monadjem et al. (2010d)
Tadarida ventralis	*Tadarida ventralis*	Kenya: TDC	4		11	9 (3.2) 4.6-15.4	104 (34) 30-145	18 (2.7) 14.3-22.4	22 (2.1) 18.7-25.8	19.3 (2.3) 16-22.8		Taylor et al. (2005)

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Tadarida ventralis	*Tadarida ventralis*			1	11							Monadjem et al. (2010d) second harmonic often present
Cistugo lesueuri	*Cistugo lesueuri*			5								Monadjem et al. (2010d)
Cistugo seabrae	*Cistugo seabrae*			2								Monadjem et al. (2010d)
Miniopterus fraterculus	*Miniopterus fraterculus*	Kenya: Masalani	5					45	90			O'Shea and Vaughan (1980)
Miniopterus fraterculus	*Miniopterus fraterculus*			11								Monadjem et al. (2010d) second harmonic may be present
Miniopterus inflatus	*Miniopterus inflatus*									104-45		Monadjem et al. (2010d)
Miniopterus inflatus	*Miniopterus inflatus*									104-45		Monadjem et al. (2010d)
Miniopterus natalensis	*Miniopterus schreibersii*	Zimbabwe: Sengwa	5	3				50	80			Fenton (1975)
Miniopterus natalensis	*Miniopterus natalensis*	Kenya: Masalani	5					45	85			O'Shea and Vaughan (1980)
Miniopterus natalensis	*Miniopterus schreibersii*	South Africa: Kersefontein	7		6							Taylor (1999b)
Miniopterus natalensis	*Miniopterus schreibersii*	South Africa: Shongweni	1		6							Taylor (1999b)
Miniopterus natalensis	*Miniopterus schreibersii*	South Africa: De Hoop	7		195	4.4		37.5	51.6			Taylor (1999b)
Miniopterus natalensis	*Miniopterus natalensis*			10								Monadjem et al. (2010d) 2nd harmonic may be present

ISSN 1990-6471

ACR Taxon	Identification	Locality	Context	# ind.	# calls	Duration (msec)	Int. interval (msec)	Lowest freq. (kHz)	Highest freq. (kHz)	Freq. Most energy (kHz)	Band (kHz)	Reference
Kerivoula argentata	*Kerivoula argentata*	Zimbabwe: Sengwa	5	1		2		85	120	90-118		Fenton and Bell (1981)
Kerivoula argentata	*Kerivoula argentata*					2				90-118	35	Monadjem et al. (2010d) room flown PkHz 92, 36kHz bandwidth and 2.3 ms duration, *K. argenata* calls swep lower down from ~120kHz but is similar to *L. lanosa*
Kerivoula lanosa	*Kerivoula lanosa*											Monadjem et al. (2010d)
Myotis bocagii	*Myotis bocagei*			5								Monadjem et al. (2010d)
Myotis tricolor	*Myotis tricolor*	South Africa: Shongweni	10		11							Taylor (1999b)
Myotis tricolor	*Myotis tricolor*			10								Monadjem et al. (2010d)
Myotis welwitschii	*Myotis welwitschii*	Zimbabwe: Sengwa	5	1				30	75			Fenton (1975)
Myotis welwitschii	*Myotis welwitschii*			1		2.4				34	19.4	Monadjem et al. (2010d)
Scotophilus dinganii	*Scotophilus dinganii*	South Africa: Pafuri	7 + 12	6 & 9		5		35	58			Aldridge and Rautenbach (1987)
Scotophilus dinganii	*Scotophilus dinganii*	South Africa: Durban North	7		7							Taylor (1999b)
Scotophilus dinganii	*Scotophilus dinganii*	South Africa: Durban	5		5							Taylor (1999b)
Scotophilus dinganii	*Scotophilus dinganii*	South Africa: Biggarsberg	9		6							Taylor (1999b)

ACR Taxon	Identification	Locality	Context	# ind.	# calls	Duration (msec)	Int. interval (msec)	Lowest freq. (kHz)	Highest freq. (kHz)	Freq. Most energy (kHz)	Band (kHz)	Reference
Scotophilus dinganii	*Scotophilus dinganii*	South Africa: Biggarsberg	8		9							Taylor (1999b)
Scotophilus dinganii	*Scotophilus dinganii*	Kenya:	4	1	11	6.1 (1) 4.6-8.3	97.1 (11) 83-115	30.9 (1) 29.9-33.1	34.4 (4.1) 32.9-36.8	32.4 (1.5) 30.7-35.3		Taylor et al. (2005)
Scotophilus dinganii	*Scotophilus dinganii*	Kenya:	4	1	18	6.6 (1.7) 4.5-10.4	108 (35) 73-203	30.5 (1.2) 28.5-33.1	37.3 (4.1) 32.9-49.0	32.3 (1.5) 29.5-35.3		Taylor et al. (2005)
Scotophilus dinganii	*Scotophilus dinganii*			10								Monadjem et al. (2010d)
Scotophilus leucogaster	*Scotophilus cf. leucogaster*	Zambia: Kafue NP, Lufupa camp	1 + 4	3		6.34(0.91) 5.30-7.00	125.75(26.79) 106.90-144.70	39.99(1.75) 38.77-42.00	50.49(1.59) 48.67-51.6	42.37(1.88) 40.54-44.3		Kearney et al. (2010) call paramaters for the individuals are available (see paper)
Scotophilus nigrita	*Scotophilus nigrita*	Zimbabwe: Sengwa	5	1				30	60			Fenton (1975)
Scotophilus nigrita	*Scotophilus nigrita*	Kenya: Masalani	5					34	72			O'Shea and Vaughan (1980)
Scotophilus nigrita	*Scotophilus nigrita*	Zimbabwe: Sengwa	7	2		15		28	55	30		Fenton and Bell (1981)
Scotophilus viridis	*Scotophilus viridis*	Zimbabwe: Sengwa	7	5		10		34	59	40		Fenton and Bell (1981)
Scotophilus viridis	*Scotophilus borbonicus*	South Africa: Pafuri	7 + 12	7 & 7		5		40	70			Aldridge and Rautenbach (1987)
Scotophilus viridis	*Scotophilus viridis*			5		10				40	25	Monadjem et al. (2010d)
Eptesicus hottentotus	*Eptesicus hottentotus*			10								Monadjem et al. (2010d)

ISSN 1990-6471

ACR Taxon	Identification	Locality	Context	# ind.	# calls	Duration (msec)	Int. interval (msec)	Lowest freq. (kHz)	Highest freq. (kHz)	Freq. Most energy (kHz)	Band (kHz)	Reference
Glauconycteris variegata	*Glauconycteris variegata*			1		2.3				41.1	21.1	Monadjem et al. (2010d) second harmonic may be present
Hypsugo anchietae	*Hypsugo anchietae*			1		2.1				55.7	35.2	Monadjem et al. (2010d)
Laephotis angolensis	*Laephotis angolensis*	Zimbabwe: Sengwa	5	3				35	65			Fenton (1975)
Laephotis angolensis	*Laephotis angolensis*	Zimbabwe: Sengwa	7	4		5		32	55	33		Fenton and Bell (1981)
Laephotis botswanae	*Laephotis botswanae*			1		5				33	22	Monadjem et al. (2010d) second and third harmonics may be present
Laephotis namibensis	*Laephotis namibensis*			5								Monadjem et al. (2010d) second harmonic may be present
Neoromicia	*Neoromicia*	Kenya:	4		10	4.8 (0.8) 3.7-6.1	78.5 (3) 74-84	46.4 (0.4) 45.9-47.1	48.3 (0.8) 47.6-49.8	47 (0.3) 46.8-47.8		Taylor et al. (2005)
Neoromicia capensis	*Eptesicus capensis*	Zimbabwe: Sengwa	5	6				35	70			Fenton (1975)
Neoromicia capensis	*Eptesicus capensis*	Zimbabwe: Sengwa	7	5		5		35	65	40		Fenton and Bell (1981)
Neoromicia capensis	*Eptesicus capensis*	South Africa: Pafuri	7 + 12	4 & 20		5		35	65			Aldridge and Rautenbach (1987)
Neoromicia capensis	*Eptesicus capensis*	South Africa: Durban	5		7							Taylor (1999b)
Neoromicia capensis	*Eptesicus capensis*	South Africa: Vrolikheid	7		11							Taylor (1999b)

ACR Taxon	Identification	Locality	Context	# ind.	# calls	Duration (msec)	Int. interval (msec)	Lowest freq. (kHz)	Highest freq. (kHz)	Freq. Most energy (kHz)	Band (kHz)	Reference
Neoromicia capensis	*Neoromicia capensis*	Kenya: Mara River	4		6	3.8 (0.8) 3-5	111 (51) 76-214	42.2(0.4) 42-43	56 (6.3) 50-66	43.2 (0.4) 43-44		Taylor et al. (2005) Originally identified as *Neoromicia* cf. *capensis*
Neoromicia capensis	*Neoromicia capensis*			10								Monadjem et al. (2010d) second harmonic may be present
Neoromicia nana	*Pipistrellus nanus*	Zimbabwe: Sengwa	5	4				70	100			Fenton (1975)
Neoromicia nana	*Pipistrellus nanus*	Kenya: Masalani	5					65	115			O'Shea and Vaughan (1980)
Neoromicia nana	*Pipistrellus nanus*	Zimbabwe: Sengwa	7	3		4		62	90	70		Fenton and Bell (1981)
Neoromicia nana	*Pipistrellus nanus*	South Africa: Pafuri	7 + 12	5 & 20		5		62	90			Aldridge and Rautenbach (1987)
Neoromicia nana	*Neoromicia nanus*	South Africa: Jozini	7		4							Taylor (1999b)
Neoromicia nana	*Neoromicia nanus*	Kenya: Bungule	4		9	3.1 (0.8) 2-4		69.9 (0.6) 69-71	80.7 (3.4) 78-87	70.4 (0.7) 70-72		Taylor et al. (2005)
Neoromicia nana	*Neoromicia nanus*	Kenya: Mara	4	1	9	9.2 (0.7) 8.2-10.4	185 (47) 90-250	43.7 (0.3) 43.1-43.9	44.2 (0.2) 43.9-44.6	44.1 (0.2) 43.7-44.4		Taylor et al. (2005)
Neoromicia nana	*Neoromicia nana*			10								Monadjem et al. (2010d)
Neoromicia rendalli	*Neoromicia rueppellii*	Zambia: Kafue NP, Lufupa camp	1 + 4	5		7.72(1.34) 6.00-9.33	131.73(76.26) 77.80-185.66	40.07(3.43) 36.30-45.12	60.04(7.31) 47.7-67.33	42.99(3.61) 39.30-47.48		Kearney et al. (2010) call paramaters for the individuals are available (see paper)

ISSN 1990-6471

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Neoromicia somalica	*Eptesicus capensis*	Kenya: Masalani	5					35	70			O'Shea and Vaughan (1980)
Neoromicia stanleyi	*Eptesicus melckorum*	South Africa: Kersefontein	7		8							Taylor (1999b) Originally identified as *Eptesicus "melckorum"*
Neoromicia tenuipinnis	*Neoromicia tenuipinnis*					1.5				37-62		Monadjem et al. (2010d)
Neoromicia zuluensis	*Neoromicia zuluensis*			2								Monadjem et al. (2010d)
Nycticeinops schlieffenii	*Nycticeius schlieffenii*	Zimbabwe: Sengwa	5	6				40	75			Fenton (1975)
Nycticeinops schlieffenii	*Nycticeinops schlieffenii*	Kenya: Masalani	5					30	70			O'Shea and Vaughan (1980)
Nycticeinops schlieffenii	*Nycticeinops schlieffenii*	Zimbabwe: Sengwa	7	3		5		33	78	42		Fenton and Bell (1981)
Nycticeinops schlieffenii	*Nycticeinops schlieffenii*	South Africa: Pafuri	7 + 12	8 & 20		5		33	78			Aldridge and Rautenbach (1987)
Nycticeinops schlieffenii	*Nycticeinops schlieffenii*	Swaziland: Mlawula	7		3							Taylor (1999b)
Nycticeinops schlieffenii	*Nycticeinops schlieffenii*	Kenya: Mara River	4	1	9	4.2 (0.5) 3.6-5.2		35.2 (1.9) 31.9-37.5	42.3 (5.4) 36.4-54.4	38.4 (1.8) 34.6-41.5		Taylor et al. (2005)
Nycticeinops schlieffenii	*Nycticeinops schlieffenii*	Zambia: Kafue NP, Lufupa camp	1 + 4	12		7.33(1.25) 4.55-9.00	88.51(8.71) 80.00-98.00	37.62(1.33) 34.92-39.50	53.28(5.30) 43.69-60.86	40.00(1.52) 37.58-42.85		Kearney et al. (2010) call paramaters for the individuals are available (see paper)

ACR Taxon	Identification	Locality	Context	# ind.	# calls	Duration (msec)	Int. interval (msec)	Lowest freq. (kHz)	Highest freq. (kHz)	Freq. Most energy (kHz)	Band (kHz)	Reference
Nycticeinops schlieffenii	*Nycticeinops schlieffeni*			2								Monadjem et al. (2010d) second and third harmonic can be present
Pipistrellus hesperidus	*Pipistrellus kuhlii*	Zimbabwe: Sengwa	5	4				45	85			Fenton (1975)
Pipistrellus hesperidus	*Pipistrellus hesperidus*	South Africa: St Lucia	7		6							Taylor (1999b)
Pipistrellus hesperidus	*Pipistrellus hesperidus*			10								Monadjem et al. (2010d) second and third harmonic can be present
Pipistrellus rueppellii	*Pipistrellus rueppellii*	Zimbabwe: Sengwa	7	8		8		40	70	45		Fenton and Bell (1981)
Pipistrellus rueppellii	*Pipistrellus rueppellii*	South Africa: Pafuri	7 + 12	5 & 0		4		40	70			Aldridge and Rautenbach (1987)
Pipistrellus rueppellii	*Pipistrellus rueppellii*	Kenya: Mara River	4		22	7 (1) 6-9	82.6 (27) 63-130	33.6 (0.6) 33-35	61 (4.4) 54-69	37.3 (0.8) 36-39		Taylor et al. (2005)
Pipistrellus rueppellii	*Pipistrellus rueppellii*			1	22							Monadjem et al. (2010d) second harmonic often presnt
Pipistrellus rusticus	*Pipistrellus rusticus*	South Africa: Messina	5		15							Taylor (1999b)
Pipistrellus rusticus	*Pipistrellus rusticus*			10								Monadjem et al. (2010d) second and third harmonic can be present

ACR Taxon	Identification	Locality	Context	# ind.	# calls	Duration (msec)	Int. interval (msec)	Lowest freq. (kHz)	Highest freq. (kHz)	Freq. Most energy (kHz)	Band (kHz)	Reference
Scotoecus albigula	*Scotœcus albigula*	Kenya: Bungule	4	1	8	4.5 (0.2) 4.1-5.0	78.9 (29) 52-142	37.7 (1.2) 35.6-39.5	45.5 (6.5) 39-57	39.4 (1.7) 36.6-41.9		Taylor et al. (2005) Originally identified as *Scotoecus* cf. *albigula*
Scotoecus albigula	*Scotoecus hindei/albigula*			2								Monadjem et al. (2010d)
Scotoecus albofuscus	*Scotoecus albofuscus*			1		3.3				39.3	24	Monadjem et al. (2010d) second and third harmonic can be present
Scotoecus hindei	*Scotœcus Hindei*	Kenya: Masalani	5					32	64			O'Shea and Vaughan (1980)
Scotoecus hindei	*Scotœcus Hindei*	Kenya:	4	1	10	4 (0.7) 3-5	71.3 (8) 55-85	38.6 (0.5) 38-39	65.2 (7.3) 54-78	39.9 (0.7) 39-41		Taylor et al. (2005) Originally identified as *Scotoecus* cf. *hindei*

ISSN 1990-6471

Context Code	Description
1	hand held
2	hand held 20 cm from microphone
3	hand held 1.5 m from the microphone
4	on release
5	room flown
6	at emergence from roost
7	free flying
8	free flying in a closed habitat
9	free flying in an open habitat
10	tethered
11	in a corridor (25 x 2.59 x 1.45 m)
12	in a flight cage (4.0 x 0.88 x 0.88 m)
13	crawling
14	landing
15	together with other individuals in a holding cage

Appendix 7b: Methods used in Echolocation Literature

Reference	Sound detector type	Analysis hardware / software	Sound transfer method	Analysis parameters	Notes
Aspetsberger et al. (2003)	Anabat II	ANALOOK (version 4.8b)	Sony cassette recorder TCM-17 (frequency response 0.09-8 kHz)	Recorded a calibration tone of 40 kHz with each train of bat calls to standardize for variation in tape speed. Only search phase calls, i.e.calls with 100 ms separating them, that were clearly defined. Call parameters were measured from a sonogram after reduction of noise and elimination of echos using the ANALOOK filters.	ANABAT uses a frequency division combined with zero crossing analysis (ZCAIM), which captures information about the harmonic with the most energy, information on other harmonics is lost, as is all information about signal strength.
Fahr and Ebigbo (2003)	Pettersson D 240 (10x & 20x time expansion mode)	Avisoft-SASLab Pro 4.2	Sony Walkman Professional WM-D6C	Measured CF frequency (maximum amplitude, second harmonic) with spectrograms (Hanning window, FFT length 512)	
Fenton (1975)	Holgate ultrasonic sensor (tunable from 10-180 KHz)				
Fenton and Bell (1981)	Broadband microphone (Non Linear Systems Miniascope, Model MS-15), zero crossing period meter & portable oscilloscope	Kay Sonograph model 7029A & Princeton Applied Reseach model 4513	Lockheed (Racal) Store 4D tape recorder operating at 76 cm/s or 152 cm/s	Only search phase calls analysed. Oscilloscope settings usually 2 ms or 5 ms per division, but for 10 ms better for molossids or rhinolophids. Calls slowed down appropriately for analysis. Fast Fourier transform (FFT), real time spectrum analyzer (2048 lines, alias filter in, flat weighting). FFT provides machine averaged spectra with no statistical output.	Analysis of recorded calls of known individuals before identified free flying bats from period meter display of calls. Low end frequency modulated calls more reliable as less subject to atmospheric attenuation than higher frequencies.
Fenton et al. (2004)	Pettersson D980	BatSoundPro	Ines DAQ i508 high speed card to a Dell Latitude PC	Sampling at 250 kHz, 16 bit, recording 60s intervals separated by 10s to reset the system. Interval between calls was recorded from the frequency change of time plot - threshold 16. Duration was measured from the time-amplitude plot. Frequency information was recorded from the power spectrum. Highest and lowest frequencies were recorded as the kHz at - 55 dB levels, and frequency with the most energy was recorded from FFT 512, Hanning window. Up to 10 calls were analysed from any train of calls recorded.	Orientation of the detector to the bat maximised to account for distance limitations in detecting calls.

Reference	Sound detector type	Analysis hardware / software	Sound transfer method	Analysis parameters	Notes
Taylor et al. (2005)	Pettersson D980	BatSoundPro	Acer Pentium 2 notebook computer	First 10-20 calls in a release sequence ignored if looked atypical to rest of sequence. Sampling at 22 050 Hz for calls <100kHz, at 44 100 Hz for calls >100kHz. Measured duration and inter-call interval from combined time-amplitude and time-frequency displays. Time-amplitude plots with saturated calls were excluded. Frequency information taken from FFT power spectrum (size 512, Hanning window) with - 55 db threshold. Calls of lower intensity were analysed directly from the sonogram, usually at a threshold of 3.	

ISSN 1990-6471

Appendix 7c: Karyotype information from Literature

ISSN 1990-6471

ACR Taxon	Identification	Locality	# Ind	Sex	2N	FN	BA	M	ST	A	X	Y	Reference	Notes
Scotophilus dinganii	*Scotophilus dinganii*	:			36	50		7	1	9	M		Eick et al. (2007)	One homologue of chromosome 24 with a heterochromatic short arm in one specimen but counted here as acrocentric
Scotophilus	*Scotophilus*	:			36	52		7	2	8	M		Eick et al. (2007)	
Hipposideros jonesi	*Hipposideros jonesi*	Senegal: Daudi Cave	1	M	32	60		24	6		M	S M	Koubínová et al. (2010b)	
Macronycteris gigas	*Hipposideros gigas*	Senegal: Dar Salam	2	F	52			10		40	(M/S M)	?	Koubínová et al. (2010b)	
Doryrhina cyclops	*Hipposideros cyclops*	Senegal: Badi	1	F	36			28		6	(M/S M)	?	Koubínová et al. (2010b)	
Rhinolophus fumigatus	*Rhinolophus fumigatus*	Senegal: Dindefelo	1	M	58	60		4		52	ST	D	Koubínová et al. (2010b)	
Hipposideros caffer	*Hipposideros caffer*	Gabon:	1	M	32		16						Porter et al. (2010)	
Glauconycteris poensis	*Glauconycteris poensis*	Gabon:	1		22			10	1				Porter et al. (2010)	
Hipposideros caffer	*Hipposideros caffer*	Gabon:	1	M	32								Porter et al. (2010)	
Nycteris grandis	*Nycteris grandis*	Gabon:	1	M	42		34			6	L	S	Porter et al. (2010)	

ACR Taxon	Identification	Locality	# Ind	Sex	2N	FN	BA	M	ST	A	X	Y	Reference	Notes
Glauconycteris beatrix	*Glauconycteris beatrix*	Gabon:	1		22								Porter et al. (2010)	
Glauconycteris poensis	*Glauconycteris poensis*	Gabon:	1		22								Porter et al. (2010)	
Glauconycteris beatrix	*Glauconycteris beatrix*	Gabon:	1		22			10	1				Porter et al. (2010)	
Scotophilus dinganii	*Scotophilus dinganii*	:			36	50		8		9	M		Ruedas et al. (1990)	
Scotophilus dinganii	*Scotophilus dinganii*	:			36	52		9		8	A		Schlitter et al. (1980)	Eick *et al.* (2007) - would result in 8M, 9A assuming metacentric X
Scotophilus viridis	*Scotophilus viridis*	:			36	54		9	1	7	A		Schlitter et al. (1980)	Eick *et al.* (2007) - would result in 8M, 1ST, 8A assuming metaccentric X
Scotophilus leucogaster	*Scotophilus leucogaster*	:			36	50		9		8	M		Volleth et al. (2006)	Eick *et al.* (2007) did not count the heterochromatic arm on NOR-bearing chromosome for Fna
Scotophilus nux	*Scotophilus nux*	:			36	50		8		9	M		Volleth et al. (2006)	

Appendix 8: Abstracts

Adam, F., V. Aellen and M. Tranier (1993). Nouvelles données sur le genre *Myopterus*. Le statut de *Myopterus daubentonii* Desmarest, 1820 (Chiroptera: Molossidae).

New data on the genus *Myopterus*. The status of *Myopterus daubentonii* Desmarest 1820 (Chiroptera: Molossidae) - Five specimens of *Myopterus*, caught in Sénégal in 1973, allow to clarify the taxonomical status of *Myopterus daubentonii* Desmarest, 1820 (Chiroptera: Molossidae). A neotype is designated, housed in the Muséum national d'Histoire naturelle (MNHN), in Paris. Relationships between the so-called *M. daubentonii, M. albatus* and *M. whitleyi* are discussed; it is suggested that *M. albatus* might be a mere subspecies of *M. daubentonii*. New localities are given - or even resurrected - for this rare and poorly known genus: i.e. Gaboon and Uganda (*M. whitleyi*), Central African republic (*M. daubentonii albatus*).

Adam, F. and B. Hubert (1972). Chiroptères nouveaux pour le Sénégal.

Les auteurs donnent une liste de six espèces de chauves-souris nouvelles pour le Sénégal: *Epomophorus anurus, Lissonycteris angolensis smithi, Rhinopoma microphyllum, Eptesicus tenuipinnis, Glauconycteris poensis, Gauconycteris variegata*. Les mensurations externes et crâniennes des spécimens sont données.

Un spécimen de Richard-Toll est référable à *Pipistrellus rueppelli senegalis*, confirmant ainsi la validité de la sous-espèce créée par Dorst sur les caractères d'un seul spécimen de même origine.

Une étude biométrique de spécimens rapportés à *Hipposideros caffer tephrus* et à *Hipposideros caffer guineensis*, capturés ensemble dans un arbre creux,
démontre qu'*Hipposideros tephrus* est une espèce distincte.

Adam, F. and B. Hubert (1976). Les Nycteridae (Chiroptera) du Sénégal: Distribution, biométrie et dimorphisme sexuel.

Cinq espèces de Nycteridae sont présentes au Sénégal: *Nycteris hispida, N. grandis, N. macrotis, N. thebaica* et *N. gambiensis*. Les auteurs fournissent pour chacune leur distribution connue dans ce pays; pour les trois dernières, une étude biométrique montre l'existence d'un dimorphisme sexuel. La synonymie de *Nycteris aethiopica* avec *N. macrotis* est confirmée, tandis que celle de *N. thebaica* avec *N. gambiensis* est infirmée.

Adam, J. P. (1973). Hematozoaires des Chiroptères en Afrique Centrale.

D'assez nombreux hématozoaires ont été signalés ou décrits chez les chiroptères. En Afrique centrale le sang de plusieurs centaines de chauves-souris a été examiné par l'auteur. Ces animaux appartenaient à une vingtaine d'espèces réparties en dix huit genres. Ils provenaient, pour la plupart du Congo (Brazzaville) et quelques-uns de R.C.A., du Gabon et du Cameroun.

Au Congo, des infections par *Plasmodium voltaicum* ont été trouvées chez *Lissonycteris angolensis*. Trois espèces de Megachiroptères du Congo et de R.C.A. hébergent *Hépatocystis perronae* n. sp., *Polychromophilus* sp., parasite , au Congo, six espèces, de Microchiroptères appartenant à quatre genres. *Trypanosoma megadermae* existe chez *Roussettus aegyptiacus unicolor* et important des microchiroptères appartenant à cinq espèces différentes.

Adam, J. P. and I. Landau (1973b). *Polychromophilus* sp. Haemoproteidae parasite de Microchiroptères au Congo (Brazzaville).

Polychromophilus sp. a été trouvé par les auteurs au Congo-Brazzaville dans le sang de Microchiroptères troglophiles appartenant à cinq espèces (3 genres). L'hôte vertébré est porteur de gamétocytes toute l'année, mais la recherche des schitontes est restée infructueuse. La dissection de nombreux arthropodes sanguisuges (neuf espèces) a permis de trouver et décrire oocystes et sporozoïtes chez une Nycteribie dont le taux d'infection est élevé.

Polychromophilus s.p. was found by the authors in Congo-Brazzaville in the blood of troglophilous microchiroptera belonging to five species (three genera). The vertebrate host is bearing gamétocytes all year long but the search for schizonts remained unsuccessful. The dissection of many haematophagous arthropods (9 species) allowed us to find and describe oocysts and sporozoits in a nycteribiid fly whose rate of infection is high.

Adam, J. P. and F. LePont (1974). Les chiroptères cavernicoles de la république populaire du Congo. Notes bioécologiques et parasitologiques.

Dans un travail publié en 1968, AELLEN et BROSSET donnaient une étude systématique des chiroptères récoltés par nous au Congo entre 1961 et 1968. Aux quatorze espèces étudiées alors par ces auteurs, nos prospections permettent d'en ajouter deus autres ainsi que des localisations nouvelles pour plusieurs des espèces citées. Nous rapportons également les observations que nous avons eues l'occasion d'effectuer sur la bioécologie souvent peu connue des chiroptères et sur les hématozoaires qui les parasitent.

In 1968 AELLEN and BROSSET published a work on the systematics of the Chiropterans collected by us between 1961 and 1968 in the Congo. Two additional species and several new collecting sites for some of the fourteen species studied by these authors are given in the present paper. We also report observations on the bioecology of the chiropterans which is little known and on their hematozoa.

Aellen, V. (1956a). Speologica africana. Chiroptères des grottes de Guinée.

L'étude de la faune des Chiroptères de la Guinée française a été fort négligée jusqu'à ces dernières années. Aussi, lorsque M. A.VILLIERS m'a proposé d'examiner une série de Chauves-Souris qu'il avait capturées dans des grottes de ce pays. J'ai accepté d'emblée. en pensant qu'il y avait certainement des espèces intéressantes.

La collection comprend 52 spécimens appartenant à 5 espèces. Toutes sont nouvelles pour la Guinée française, sauf *Rhinolophus maclaudi* qui n était connu que par un seul individu. Une des formes est nouvelle pour la science et je me fais un plaisir et un devoir de la dédier au collecteur.

Ces Chiroptères sont tous conservés en alcool. Ils sont déposés dans les collections zoologiques de l'IFAN à Dakar.

Aellen, V. (1956b). Le Parc National du Niokolo-Koba. (Premier fascicule). II. Chiroptères.

Les Chiroptères faisant l'objet de cette étude sont au nombre de 58 et représentent 15 espèces. La plupart proviennent de Badi (Sénégal, Haute-Gambie, 13°15' N, 8°20 W), à la limite des savanes guinéennes et soudanaises. Ils ont été obtenus par des indigènes dans des cases ou des arbres creux.

L'intérêt de cette collection réside dans le fait que son étude apporte 9 espèces nouvelles pour le Sénégal et permet de mettre quelques formes en synonymie:

Hipposideros gigas viegasi MONARD = *Hipposideros commersoni gambiensis* ANDERSEN.
Hipposideros braima MONARD = *Hipposideros caffer tephrus* CABRERA.
Mops osborni occidentalis MONARD = *Tadarida condylura wonderi* (SANBORN).

La position systématique de "*Nycticeius leucogaster* CRETZSCHMAR" est revue. Cette forme, qui était considérée jusqu'à présent comme une sous-espèce de *Scotophilus nigrita* (SCHREBER), devient maintenant une espèce nominale dont *Scotophilus viridis* (PETERS) est une sous-espèce.

Aellen, V. (1957). Les Chiroptères africains du Musée zoologique de Strasbourg.

Les collections du Musée Zoologique de Strasbourg renferment 30 espèces (34 formes) de Chiroptères africains représentés par 55 spécimens.

Aellen, V. (1963). La réserve naturelle intégrale du Mont Nimba. XXIX. Chiroptères.

Les Chiroptères de la République de Guinée (ancienne Guinée française) sont relativement mal connus, malgré quelques travaux récents (AELLEN, 1956 a ; EISENTRAUT et KNORR, 1957). Aussi les récoltes du professeur M. LAMOTTE, au Mont Nimba, à l'extrême Sud-Est du pays, sont-elles particulièrement précieuses.

On ne connaissait, dans ce massif montagneux, que quelques espèces signalées par M. LAMOTTE (1942) (*Hipposideros fuliginosus, Eptesicus grandidieri, ? Xiphonyderis spurrelli*), A. VILLIERS (1948) (*Eidolon helvum*) et M. EISENTRAUT (1959) (*Rousettus aegyptiacus occidentalis*). Les identifications des trois premières espèces avaient été faites par P. Rode et devraient être vérifiées avant d'être acceptées; elles me paraissent douteuses. Ce matériel avait été récolté par le professeur LAMOTTE, en 1942, et aurait été déposé au Muséum de Paris, mais il n'y en a plus trace actuellement (in litt. prof. LAMOTTE, 30-IX-1960).

Les Chauves-Souris dont j'ai disposé pour cette étude proviennent d'une part, d'une récolte de MM. A. VILLIERS et P. L. DEKEYSER (IFAN) et, d'autre part, des captures de M. LAMOTTE et de ses collaborateurs qui ont été déposées en partie dans les collections de l'IFAN (récoltes de 1951) et en partie dans celles du muséum de Paris (récoltes de 1956, 1957 et 1958).

Parmi les 30 spécimens que j'ai examinés, j'ai identifié 10 espèces, dont 7 sont nouvelles pour la Guinée. Malgré cet apport important, il est encore prématuré de vouloir dresser une liste des Chiroptères du Mont Nimba et encore moins de la Guinée, dont on connaît actuellement 25 espèces.

Je remercie très vivement M. le professeur TH. MONOD, directeur de l'IFAN, de m'avoir confié l'étude des Chiroptères africains de cet institut et M. le professeur M. LAMOTTE de m'avoir adressé ses dernières récoltes de chauves-souris du Mont-Nimba.

Aellen, V. (1973). Un *Rhinolophus* nouveau d'Afrique centrale.

Espèce apparentée à *ruwenzorii* et à *maclaudi*, mais plus proche du premier, dont elle diffère par une taille plus faible, le connectif de la feuille nasale bien développé et la boîte crânienne et le rostre plus larges.

Les 3 espèces représentent probablement des types archaïques reliques maintenant isolés, mais ayant une origine commune avec les espèces orientales du groupe *philippinensis*.

Aellen, V. and P. Strinati (1970). Chauves-souris cavernicoles de Tunisie.

Etude de 6 espèces de chauves-souris observées lors d'un voyage spéléologique en Tunisie en octobre 1967. Une espèce est nouvelle pour le pays: *Rhinolophus blasii*. Localités nouvelles pour d'autres espèces. Précisions taxonomiques, en particulier sur la forme *Rhinolophus euryale tuneti*.

Aggundey, I. R. and D. A. Schlitter (1984). Annotated checklist of the mammals of Kenya. I. Chiroptera.

A list of 95 species in nine families of bats known by Kenyan specimens is annotated with records of museum specimens or with references to the literature. A gazetteer of collecting localities is included.

Aggundey, I. R. and D. A. Schlitter (1986). Annotated checklist of the mammals of Kenya. II. Insectivora and Macroscelidae.

Four families of Insectivora (Tenrecidae, Chrysochloridae, Erinaceidae, Soricidae) and one of Macroscelidea (Macroscelididae) are known from Kenya. Of these families, only the Soricidae, with 31 species, and the Macroscelididae, with five species, are known from more than a single species. Records of occurrence are annotated by museum specimens or with references to the literature. *Suncus murinus* seems to be the only introduced species in the insectivore fauna of Kenya. Distributional records of insectivores in Kenya are poor as 13 species of the 39 reported are known from only a single locality in Kenya. A gazetteer of collecting localities is included.

Aghomo, H. O., A. K. Ako-Nai, O. O. Oduye, O. Tomori and C. E. Rupprecht (1990). Detection of rabies virus antibodies in fruit bats (*Eidolon helvum*) from Nigeria.

Fruit bats (Eidolon helvum) were collected from three different localities in Western Nigeria: Oti, Ibadan and Idanre. Fifty Serum samples were analyzed using a modified rapid fluorescent focus inhibition technique against rabies, Mokola, Lagos bat and Duvenhage viruses. Twenty-five brain samples were screened for rabies and related lyssavirus antigens by direct fluorescent antibody microscopy and by an indirect fluorescent antibody technique with rabies anti- nucleocapsid monoclonal alltibodied. All brain samples were negative. Two serum samples had relatively high anti-rabies activity; no neutralizing activity was detected against Mokola, Lagos bat or Duvenhage viruses.

Aldridge, H. D. J. N. and I. L. Rautenbach (1987). Morphology, echolocation and resource partitioning in insectivorous bats.

(1) Two hypotheses are tested in this paper: (i) wing morphology and echolocation-call 'design' can determine foraging site selection and foraging behaviour in bats, (ii) echolocation-call 'design' should be compatible with wing morphology (because some combinations of morphology and echolocation call would be maladaptive).

(2) In support of our first hypothesis, significant correlations were established between wing morphology, echolocation call design, manoeuvrability and habitat use.

(3) In support of our second hypothesis, significant correlations were established between those morphological parameters that improve manoeuvrability (low wingloading, low aspect ratio and high wingtip shape index) and echolocation calls that are resistant to acoustic clutter in support of our second hypothesis.

(4) There was an association between foraging habitat and diet: bats that fed in the same habitats tended to take the same types of prey, while species foraging in different habitats had significantly different diets.

(5) There was also a significant correlation between prey and predator size; large bats took insects over a range of sizes while small bats fed only on small prey.

Allen, G. M. (1908). Notes on Chiroptera.

The collection of bats in the Museum of Comparative Zoology contains upwards of 190 species, represented by skins, skeletal parts, and alcoholic specimens. Many of these specimens are of unusual interest. I have made the following notes while studying this material recently. In the case of certain imperfectly known species detailed series of measurements or other data of interest are given, and five species are described as new.

Of especial note are the collections received from the Thayer Expedition to Brazil, made in 1865, under the direction of Louis Agassiz ; also a considerable number of Indian bats sent at about the same time by Rev. M. M. Carleton from northern India and the Koolloo Valley. More recently a valuable series of alcoholic specimens from Java and Japan was presented by Mr. Thomas Barbour, in part collected by himself in 1906-07. I am indebted to the authorities of the Museum of Comparative Zoology for the privilege of making this report, and to the United States National Museum, through Dr. M. W. Lyon, Jr., for the loan of certain specimens.

All measurements are in millimeters, and colors are after Ridgway's Nomenclature of colors. I have followed the nomenclature and order adopted by Miller in his monograph on "The families and genera of bats" (Bull. 57, U. S. Nat. Mus., 1907).

Allen, G. M. (1923). New Chinese bats.

Over five hundred bats have been thus far sent back by the Asiatic Expeditions under the leadership of Mr. Roy C. Andrews. These are chiefly from Fukien, Szechwan, southeastern Yunnan, and North China. The series of skins is well supplemented by specimens in alcohol, and in many cases wide-ranging species are represented by a number of skins from the coastal regions as well as by others from the higher or more inland provinces, so that an unusual opportunity is afforded for a comparison of the lowland and the upland members of a species. This is undoubtedly the.largest single collection of bats yet obtained by any one expedition in China, and my thanks are due The American Museum of Natural History for the opportunity to study this important series.

Al-Safadi, M. M. (1991). Chiropteran fauna of Yemen Arab republic.

The chiropteran or bat fauna is the first group of the mammalian fauna of the Yemen Arab Republic to be considered. Four types of bats are recorded from Yemen Arab Republic; two of them identified to subspecies, *Tadarida pumila pumila* and *Scotophilus leucogaster leucogaster*; one identified to species, *Tadarida aegyptiaca*; and one to genus, *Pipistrellus*. The present additional records of bats from Yemen Arab Republic bring the total number of Yemen Arab Republic bats to seven species.

La faune de chauves-souris constitue le premier groupe de mammifères étudié en République Arabe du Yemen. Quatre taxons de chauves-souris ont été recenses: *Tadarida p. pumila, Scotophilus I. leucogaster, Tadarida aegyptiaca* et *Pipistrellus* sp.

Actuellement sept espèces de chauves-souris sont connues en République Arabe du Yemen.

Amr, Z. S. and M. B. Qumsiyeh (1993). Records of bat flies from Jordan, Libya and Algeria.

Eight species of bat flies (Insecta: Diptera: Streblidae and Nycteribiidae) collected from bats from Jordan, Libya and Algeria are listed along with their respective hosts. *Brachytarsina flavipennis, Stylidia biarticulata, Stylidia integra* and *Basilia nana* are new records for Jordan.

Anciaux de Faveaux, M. (1965). Les Parasites de Chiroptères. Rôle épidémiologiques chez les animaux et l'homme au Katanga.

Le but de cette étude est de passer en revue les infections et le maladies provoquées directement ou indirectement, par les Chiroptères et leurs parasites.

Nous examinerons surtout les résultats obtenus dans une région bien déterminée: le Haut-Katanga (République du Congo).

Anciaux de Faveaux, M. (1973). Essai de synthèse sur la reproduction de chiroptères d'Afrique (région faunistique éthiopienne).

Les cycles annuels de Chiroptères de l'Afrique Ethiopienne sont basés sur trois principaux types: monooestrien, polyoestrien à reproduction saisonnière, polyoestrien à reproduction continue; les diverses espèces de chauves-souris sont classées en fonction de ces trois modes de reproduction.

La périodicité des mises bas est établie d'après quatre grandes aires climatologiques d'Afrique centrale; elle est variable suivant les familles et les genres.

Le concept d'équateur biologique est défini avec plus de précision; ses limites nord et sud sont liées aux lieux de reproduction.

Les variations de la latitude exercent une influence sur la périodicité et sur la durée du cycle reproductif; elles ne semblent pas avoir d'action positive sur le degré de fécondité.

La reproduction est déterminée en partie par des facteurs climatologiques (relation saison des pluies - régime alimentaire); elle dépend également de facteurs internes dont l'action est plus ou moins prépondérante dans certains cas qui sont précisés.

Anciaux de Faveaux, M. (1976a). La léthargie chez les chiroptères cavernicoles d'Afrique Centrale.

From his personal research undertaken in the subterranean field (natural and artificial cavities) in Shaba (ex-Katanga, in S.E. Zaïre) and Rwanda, the author briefly defines the macroclimate of the prospected regions as wel] as the microclimate of the subterranean habitat (humidity and temperature).

A reversible hypothermia has been noticed in the dry season only (from May till August) in eleven species of troglophile Chiroptera belonging to the following families: Rhinolophidae (7 species of Rhinolophus), Hipposideridae (only *Hipposideros ruber*) and Vespertilionidae (*Miniopterus inflatus rufus, Miniopterus schreibersi arenarius* & *M.s. natalensis, Myotis tricolo*r).

No sign of lethargy has been noticed in the Megachiroptera (*Lissonycteris angolensls, Rousettus aegyptiacus leachi*), Emballonuridae (*Taphozous perforants sudani*), Hipposideridae (*Cloeolis percivali australis*) or Nycteridae (3 species of *Nycteris*).

There could be correlations between lethargy and breeding if one takes into account the phenomena of late ovulation and delayed implantation.

The entry into lethargy is not caused by the scarcity of food. It does not concern ail the individuals of a colony or in various populations of a cave. The degree of humidity appears to be more important than the temperature as far as the conditions for hibernation are concerned.

Anciaux de Faveaux, M. (1978a). Définition de l'Equateur Biologique en fonction de la reproduction de Chiroptères d'Afrique Centrale.

Étude de la biologie reproductrice chez 18 espèces monooestriennes de Chiroptères, en Afrique Centrale, parmi lesquelles la périodicité est évidente, suivant des cycles de type boréal ou de type austral, en fonction des saisons.

A partir de ses observations personnelles au Rwanda et en se basant sur une étude critique de la littérature, l'auteur propose une définition plus précise de l'équateur biologique: ses limites septentrionales et méridionales où se manifestent les deux cycle (boréal et austral) sont comprises entre les latitudes 04°13' N et 01°32' S.

Anciaux de Faveaux, M. (1978b). Notes éco-éthologique et parasitologiques sur les Chiroptères cavernicoles du Shaba (Zaïre).

After a brief analysis of the elements of the cavernicolous rnicroclimate in Shaba, the aulhor emphasizes the possibility of relations between ecology and parasitism. He then reviews the 19 species of Chiroptera that live in the subterranean field in Shaba, pointing out their environmental habitat, behaviour and parasites.

Anciaux de Faveaux, M. (1978c). Les cycles annuels de reproduction chez les chiroptères cavernicoles du Shaba (S.E. Zaïre) et du Rwanda.

Les recherches menées au Shaba (ex Katanga) et au Rwanda concernent ici les observations faites dans le domaine souterrain (cavités naturelles et artificielles); elles portent sur un total de 24 espèces de Chiroptères parmi lesquelles 4 ont été trouvées par d'autres zoologistes: *Hipposideros commersoni* (E. Geoffroy, 1813) au Katanga, *Rhinolophus hilli* Aellen, 1973 et *Hipposideros caffer* (Sundevall, 1846) au Rwanda, et *Otomops martiensseni* (Matschie, 1897) au Katanga et au Rwanda.

Les cycles annuels de reproduction sont classés en 3 principaux types : monooestrien, polyoestrien saisonnier et polycestrien continu.

Les conclusions de l'auteur sont comparées avec celles d'autres chercheurs; un examen critique approfondi des données de la littérature a permis de préciser les modalités de la reproduction chez quelques espèces sur lesquelles l'auteur n'a pu obtenir aucun renseignement positif.

Pour chaque espèce, l'auteur présente les dates (celles concernant ses récoltes personnelles et celles publiées dans des travaux antérieurs sur les Chiroptères d'autres régions d'Afrique) et propose une interprétation de la biologie reproductrice.

Anciaux de Faveaux, M. (1981). Cycles de reproduction chez des Chiroptères phytophiles du Shaba (Zaïre) et du Rwanda. Abstract.

The research undertaken in Shaba (ex-Katanga) and Rwanda and set forth in this article concern the studies carried out in the trees and bushes of African savanna.

It covers 34 species of Chiroptera among which 20 have been found by other zoologists : *Epomophorus wahlbergi haldemani* (Halowell,1846), *Micropteropus pusillus* (Peters, 1867), *Plerotes anchietae*

(Seabra, 1900), *Megaloglossus woermanni* Pagenstecher, 1885, *Nycteris arge* Thomas, 1903, *Chalinolobus (Glauconycteris) variegatus papilio* Thomas, 1905, *Eptesicus capensis* (A.Smith, 1829), *Eptesicus rendalli* (Thomas, 1889), *Mimetillus moloneyi thomasi* Hinton, 1920, *Myotis (M.) welwitschi* (Gray, 1866), *Nycticeius schlieffeni* (Peters, 1859), *Scotoecus hirundo hindei* Thomas, 1901, *Scotoecus albofuscus woodi* Thomas, 1917, *Scotophilus gigas* Dobson, 1875, *Kerivoula harrisoni lucia* Hinton, 1920 and *Tadarida (Xiphonycteris) nanula* (J.A.Allen, 1917) in SHABA; *Chalinolobus (Glauconycteris) argentatus* (Dobson, 1875) and *Tadarida (Mops) midas* (Sundevall, 1843) in RWANDA; *Nycteris hispida* (Schreber,1 775) and *Eptesicus tenuipinnis* (Peters, 1872) in SHABA and RWANDA.

The 14 species found by the author are: *Eidolon helvum* (Kerr, 1792), *Epomophorus labiatus* (Temminck, 1837), *Lavia frons* (E. Geoffroy, 1810) and *Tadarida (Xinhonycteris) thersites* (Thomas, 1903) in RWANDA; *Epomophorus gambianus* (Ogilby, 1835), *Epomophorus crypturus* Peters, 1852, *Taphozous mauritianus* E. Geoffroy, 1818, *Laephotis angolensis* Monard, 1935, *Scotophilus dinganii* (A. Smith, 1833), *Kerivoula argentata* Tomes, 1861 and *Tadarida (Chaerephon) nigeriae spillmanni* (Monard, 1932) in SHABA; *Epomops dobsoni* (Bocage, 1889), *Myotis (M.) bocagei* (Peters, 1870) and *Pipistrellus nanus* (Peters, 1852) in RWANA and SHABA.

The annual breeding cycles are classified in 3 main types: monooestrian, seasonal polyoestrian and continual polyoestrian. The author's conclusions are compared with those of other research workers; a thorough critical investigation of the literature has given more precise details about the breeding modalities in some species on which the author has been unable to get any positive information.

For every species, dates are presented (those concerning the author's personal research and those published in previous works on the Chiroptera in other African areas) and an interpretation of breeding biology is advanced.

Anciaux de Faveaux, M. (1983). Les cycles annuels de reproduction chez les Chiroptères phytophiles au Shaba (S.E. Zaïre) et au Rwanda.

The research undertaken in Shaba (ex-Katanga) and Rwanda and set forth in this communication concern the studies carried out in the trees and bushes of savanna. It covers 34 species of Chiroptera among which 20 have been found by other zoologists.

The annual breeding cycles are classified in 3 main types: monooestrian, seasonal polyoestrian and continual polyoestrian. The author's conclusions are compared with those of other research workers; a thorough critical investigation of the literature has given more precise details about the breeding modalities in sorne species on which the author has been unable to get any positive information.

For every species, dates are presented (those concerning the author's personal research and those published in previous works on the Chiroptera in other African areas) and an interpretation of breeding biology is advanced.

Ando, K., F. Yasuzumi, A. Tagawa and T. A. Uchida (1983). Further study on the karyotypic evolution in the genus *Rhinolophus* (Mammalia: Chiroptera).

A detailed karyotype comparison among *R. cornutus cornutus, R. ferrumequinum nippon* and *R. luctus formosae* are made on the basis of relative length, G- and C-band patterns. The data presented here suggest strongly M.SM-1 and 2 in *R. f. nippon* were formed by centric fusion of four of five small A-autosome pairs such as those in A-23~25, 27 and 28 of *R. c. cornutus*, while occurrence of M-SM-3 in the former was caused by pericentric inversion of a small A-pair such as that in A-24 or 25 of the latter, confirming the assumption described in our previous report (ANDO et al. 1980a). On the other hand, appearance of the secondary short arms of A-autosomes in *R. f. nippon* is attributable to the C-band material added to the telomeres of A-autosomes. Addition of heterochromatin is considered to have taken place also in the short arm of the ST-X chromosome in *R. f. nippon*, and to have brought about the morphological difference of the Y chromosome within *Rinolophus*.

Andral, L., P. Brès, C. Sérié, J. Casals and R. Panthier (1968). Études sur la fièvre jaune en Ethiopie. 3. Étude sériologique et virologique de la faune sylvatique.

L'étude des réservoirs sylvatiques du virus de la fièvre jaune est une des préoccupations essentielles de l'épidémiologiste.

Une enquête sérologique portant sur une population simienne de la forêt de Manéra a mis en évidence des modifications qualitatives de la répartition des anticorps entre 1962 et 1964, avec diminution importante du nombre de sérums positifs pour le virus amaril et apparition d'une notable proportion de sérums positifs pour les antigènes Zika et chikungunya. Chez les chauves-souris, un faible pourcentage de sérums renfermaient des anticorps. L'étude des rongeurs et des oiseaux n'a fourni que peu d'informations.

Sur le plan virologique, deux souches de virus amaril ont été isolées, l'une chez un jeune colobe, l'autre chez une chauve-souris du genre *Epomophorus*.

As part of the epidemiological investigation of the 1960-62 yellow-fever epidemic in Ethiopia, the authors carried out serological and virological studies of the silvatic reservoir of virus, largely among animals shot or captured in the forest near the Manera experimental station. In this area, all of 16 monkey sera from the Chouchouma valley in 1962 contained yellow-fever antibody; this was the only arbovirus antibody in 50 % of the sera and it was found together with Zika or group A antibody in the remainder. In 1964, 25 % of monkey sera were devoid of all arbovirus antibody, and a mere 18 % and 25 %, respectively, had only yellow-fever antibody or mixed antibody. The number of sera positive for group A had doubled in 1964.

Similar serological study of 140 bat sera showed only 3.5 % to harbour any arbovirus antibody, and only 4 sera to have yellow-fever antibody. Sera from rodents, other forest animals and birds gave almost uniformly negative results, antibody for arboviruses being found in only a civet and 2 birds (one of these, a guinea-fowl, had a 1/40 HI titre for yellow-fever virus).

Attempts to isolate yellow-fever virus were successful in 2 instances-once from the brain of a bat, and once from the brain of a month-old *Colobus* monkey that was captured alive and died 8 days later apparently of gastroenteric infection.

Ansell, W. F. H. (1967). Additional records of Zambian Chiroptera.

Additional records of Zambian Chiroptera are listed. Four species, *Lissonycteris angolensis, Myonycteris torquata, Nycteris grandis*, and *Rhinolophus capensis* are recorded from Zambia for the first time. *Tadarida niveiventer* (which includes *chitauensis*) is considered a valid species distinct from *T. condylura*.

Ansell, W. F. H. (1969). Addenda and corrigenda to "Mammals of Northern Rhodesia" Number 3.

Recent records of Zambian mammals are listed, including two bats, *Rhinolophus swinnyi* and *Eptesicus rendalli*, recorded for the first time in the country, and *Hipposideros ruber* is confirmed in Zambia for the first time as a species separate from *H. caffer*. Other data include discussion of the range of *Kobus ellipsiprymnus* in Zambia, description of the preputial gland of *Oreotragus oreotragus*, and of the pedal glands of *Alcelaphus lichtensteini* and *Connochaetes taurinus*.

Ansell, W. F. H. (1973). Addenda and Corrigenda to "Mammals of Northern Rhodesia", Number 4.

Further records and data on Zambian mammals are listed. *Suncus varilla* is recorded in the country for the first time. *Crocidura katharina* is regarded as conspecific with *C. cyanea*, which latter is therefore recorded authentically for the first time north of the Zambezi River. Data- are also given on various Chiroptera, *Galago* spp., *Manis*-spp., Carnivora, ungulates and rodents.

Ansell, W. F. H. (1974). Some mammals from Zambia and adjacent countries.

Information is given on mammals from Zambia, together with some from adjacent countries. *Erinaceus albiventris, Micropteropus pusillus, Miniopterus inflatus, Cephalophus natalensis, Anomalurops beecrofti*, and *Hybomys univittatus* are recorded for the first time in Zambia. The only authentic Zambian specimen of *Colobus angolensis* was obtained in Mwinilunga District. A pygmy shrew, genus *Crocidura*, similar in size to *C. bicolor*, and a forest species of *Graphiurus* have had for the present to be left indeterminate. A neotvpe is designated for *Cobus robertsi* (= *Kobus leche robertsi*), *Aethomys dolmanni* is removed from *A. chrysophilus* and placed as a subspecies of *A. nyikae*. *Thamnomys cometes* and *T. dolichurus* are accepted as separate species, though they are allopatric in Zambia. Collecting in 1973 confirmed all four Zambian species of *Dendromus* in the Northwestern Province. Other-data are recorded for various Insectivora, Chiroptera, Primates, Pholidota, Carnivora, Artiodactyla, and Rodentia. A list of specimens received by the National Museum of Zambia. Livingstone from other institutions is given in an appendix.

Ansell, W. F. H. (1985). Mammals from Malawi, Part I.

This paper reports on observations made in the course of preparing a new list and atlas of Malawi mammals, outlined by Ansell and Dowsett (1980).

The object is to cover a number of taxonomic and distributional matters which are more appropriately dealt with separately from the check list itself, and it is intended that other species will be similarly treated in a subsequent paper. This present paper is based on specimens in the Museum of Malawi (MM) examined during my visits to Blantyre in 1980 and 1983, and some subsequently borrowed for further study; also loans from the Transvaal Museum (TM), British Museum (Natural History) (BM), the National Museum, Bulawayo (NMB) and the American Museum of Natural History (AMNH). Flesh measurements and, where applicable, weight are from the species label, cranial measurements by me.

Ansell, W. F. H. (1986). Some Chiroptera from South-central Africa.

Data, including a number of breeding records, are given for several species of Chiroptera, supplementing previous information. *Tadarida ventralis* is recorded in Zambia for the first time, but *Rhinolophus capensis* has to be deleted due to previous misidentification. Successive pregnancies are confirmed in *Tadarida pumila*.

Des compléments d'information, y compris un certain nombre de données sur la reproduction, sont fournis pour plusieurs espèces de Chiroptères. *Tadarida ventralis* est mentionnée pour la première fois dans la faune de Zambie, mais *Rhinolophus capensis*, qui avait été mal identifiée, doit en être supprimée.

Anthony, H. E. (1926). Preliminary report on Ecuadorean mammals. No 7.

This is the seventh short paper in a series of preliminary reports upon the mammals of Ecuador. The purpose of these papers is the description of new forms which are discovered as material is gradually accumulated from the field.

In a collection of mammals made near the Rio Curaray, in eastern Ecuador, by Olalla e Hijos for the American Museum, are two specimens of the interesting marsupial genus *Glironia*, the first to be received at any institution in this country; and, as far as I can ascertain, the only specimens taken since the type and one other recorded by Thomas in 1912. These two specimens represent different species, one quite closely related to *venusta* Thomas, the other apparently quite distinct.

Arata, A. A. and B. Johnson (1978). Approaches towards studies on potential reservoirs of viral Haemorrhagic Fever in southern Sudan (1977).

This study was carried out in Nzara, W. Equatorial Province, Sudan, (in January-February, 1977) following the protocol agreed upon at the meeting at the London School of Hygiene and Tropical Medicine, 4-5 January 1977.

Mammals having the highest possible contact with humans in the Nzara cotton factory and agricultural environs where primary cases were noted were studied (Table 1). Although primates have been suggested as reservoirs, these were not collected because of the difficulties involved in collecting adequate samples in such a short period.

Organ and tissue samples were collected, frozen in liquid N2 and sent to Porton Down, U.K., for virological and serological studies on 13 February, 1977 (Table 2). Voucher specimens of the animals collected, preserved in formalin, were sent at the same time to the British Museum (Natural History), London, for confirmation of field identifications.

Data on sex, age and habitats (including human contacts) of all potential hosts were recorded to be correlated with virological and serological results. As the virology and serology are not yet available, the paper emphasizes the rationale used in establishing a survey for potential reservoirs of a disease of unknown aetiology.

Archer, A. L. (1977). Results of the Winifred T. Carter Expedition 1975 to Botswana, Mammals - Chiroptera.

A collection of 133 bats representing 20 species was made between 15 November and 15 December 1975 within a 25 km radius of Xugana, Botswana. Three species obtained, *Epomorphons gambianus, Nycteris hispida* and *Tadarida chapini* are new records for Botswana. Some observations and breeding data are given together with a systematic list of the species collected, numbering 84, which were made up as study skins. The remaining 49 specimens consisting of duplicates, were preserved in formalin.

Arlettaz, R. and S. Aulagnier (1988). Statut de trois espèces de chiroptères rares au Maroc: *Nycteris thebaica*, *Hipposideros caffer* et *Pipistrellus rueppelli*.

Discussed is the occurrence of three rare species of bats in Morocco. *Nycteris thebaica* and *Hipposideros caffer* originate from Africa, south of the Sahara; in Morocco they live exclusively along the Atlantic coast. *Pipistrellus rueppelli* which was caught in the presaharian area (Tafilalt) is reported for the first time in Morocco. The populations of ail three species arc considered as remnants.

Arlettaz, R., G. Dändliker, E. Kaybekov, J. M. Pillet, S. Rybin and J. Zima (1995). Feeding habits of the Long-eared Desert bat, *Otonycteris hemprichtii* (Chiroptera: Vespertilionidae).

We studied food habits of the long-eared desert bat, *Otonycteris hemprichi*, in a subdesert area of Kirghizstan (central Asia) by fecal analysis and light-tagging. The bulk of the diet of 13 individuals in September consisted of arachnids (Solifugae, Scorpiones, and Araneae; 49.9% of total volume) and orthopterans (Acrididae, Gryllidae, and Tettigoniidae; 34.7%). Visual nocturnal observations confirmed that this species captures its prey from the surface of the ground.

Arlettaz, R., M. Ruedi, C. Ibañez, J. Palmeirin and J. Hausser (1997). A new perspective on the zoogeography of the sibling mouse-eared bat species *Myotis myotis* and *Myotis blythii*: morphological, genetical and ecological evidence.

The actual geographic distribution of the two sibling mouse-eared bat species Myotis myotis and Myotis blythii, which occur widely sympatrically in the western Palaearctic region, remains largely controversial. This concerns particularly the specific attribution of marginal populations from the Mediterranean islands and from adjacent areas of North Africa and Asia, which are morphologically intermediate between continental *M. myotis* and *M. blythii* from Europe. This study attempts to clarify this question by using four different approaches: cranial morphology, external morphology, genetics and trophic ecology. The three latter methods show unambiguously that North Africa, Malta, Sardinia and Corsica are presently inhabited by monospecific populations of *M. myotis*. In contrast, cranial morphometrics do not yield conclusive results. These results contradict all recent studies, which attribute North African and Maltese mouse-eared bats to *M. blythii* and consider that Sardinia and Corsica harbour sympatric populations of the two species. As concerns south-eastern populations, doubts are also expressed about the attribution of the subspecific taxon *omari* which may actually refer to *M. myotis* instead of *M. blythii*. Protein electrophoresis is presently the only absolute method available for determining *M. myotis* and *M. blythii* throughout their distribution ranges. However, species identification may be approached by relying on less sophisticated morphometrical methods as presented in this study. Species-specific habitat specializations are probably responsible for the differences observed between the geographic distributions of *M. myotis* and *M. blythii*, as they provide a logical groundwork for a coherent model of speciation for these two bat species.

Aulagnier, S. (1989). Les Chauves-souris (Chiroptera) dans le régime alimentaire des Rapaces nocturnes (Strigiformes) au Maroc.

An extensive material of owl pellets (8 owl species), collected in Morocco (96 localities) has been analyzed. However bats represent a minor part of the material (60 individuals of 11 species), the investigation revealed both the valuable faunal records (e.g. the first Moroccan record of *Otonycteris hemprichi*, a record of *Rhinopoma microphyllum*) and the data on factors influencing predation of bats by owls. In Morocco, Bubo ascalaphus was found to be the most important predator of bats (nearly 1 % of prey). In general, there is no relation between size of predator and prey but the habitat type is significant.

Aulagnier, S. (1990). Zoogeography of Moroccon bats. Abstract.

Among Moroccan mammals, Bats were still poorly known until recently for lack of investigations in the whole country. In 1932 Cabrera, who gathered informations mainly in the north, listed 8 species only. After some southern prospections, the list of Heim de Balsac (1948) reached 16 species. In the fifties, J.B. Panouse and A. Brosset initiated the first works on Moroccan bats, studying biometrics and reproduction of the 23 species they recorded. After Hill (1964) bat research were suspended during twenty years. Recently 3 species were added to the Moroccan fauna, so now 27 species are listed (Aulagnier and Thevenot 1990), that is the highest diversity in North Africa.

Although data are sparse, the distribution of Bats was mapped by Aulagnier and Thevenot (1986), and some zoogeographical features are prominent Some species as *Myotis emarginatus, M. nattereri, Pipistrellus pipistrellus, Nyctalus leisleri* and *Barbastella barbastellus* occur only in the north of the country or the Middle Atlas, while some other ones live only in presaharan and saharan areas south of the High Atlas: *Rhinopoma microphyllum, R. hardwickei, Asellia tridens, Pipistrellus rueppelli* and *Otonycteris hemprichi*. In addition, coastal areas provide suitable environments for some mediterranean (*Myotis capaccinii*) or african (*Nycteris thebaica, Hipposideros caffer*) Bats.

On the whole, Moroccan Bats are mainly palearctic taxa with 11 widely palearctic species and 8 "mediterranean" species (including the african extralimital *Rhinolophus blasii* and *Pipistrellus kuhli*, and the asiatic extensive *Tadarida teniotis* and *Myotis blythi*). Saharo-sindian Bats are not very numerous contrary to Rodents (4 species versus 17 species). Paleotropicai taxa are scarce too (only 3 Bats versus 11 Carnivores).

The present settlement of Moroccan Bats seems recent in spite of the lack of paleontological clues. African taxa such as Megadermatidae (and probably Emballonuridae) flew away south of the Sahara during the Pleistocene while European species crossed the Straight of Gibraltar or even other parts of the Mediterranean Sea (siculo-tunisian way for example).

Moreover the Moroccan bat fauna looks more like south-european fauna than north-east-african or subsaharian faunas. Maghreb, at least in its northern part, belong to the mediterranean biozone and Bats appear to be good current zoogeographical informers (unfortunately they are often excluded from this kind of study).

Aulagnier, S. (1991). Zoogeographical notes on Moroccan bat fauna.

Twenty seven species of bats are presently listed from Morocco. Five main pattern of distribution are observed, they can be sensibly linked with the main climatic zones of the country. The biogeographical origin of the moroccan bat fauna is diversified (8 faunic types), but there are mainly palaearctic-boreal (11) and - mediterrean (8) species according to the general climate. Concerning bats, Morocco, and the whole Maghreb, is closely similar to Western Europe. Bats are really good zoogeographical informers.

Aulagnier, S. and R. Destre (1985). Introduction à l'étude des Chiroptères du Tafilalt (sud-est marocain).

After some geographical and climatic data about Tafilalt (southeastern Morocco), the Chiroptera of this country are listed. An eco-ethological study was undertaken in a famous cave: Kef Azigza, where are living seven species removing all year long. Various observations all over the studied area are also discussed with reference to the biogeography of bats. There, between Atlas mountains and Sahara, palearctic species are the most numerous, nevertheless three afro-eremic ones were found, and especially *Rhinopoma microphyllum* (second data for Morocco).

Après une brève introduction géographique et climatologique sur le Tafilalt, les Chiroptères de cette région sont présentés à l'issue du suivi d'un site particulièrement favorable: le Kef Azigza. Quelques données d'ordre éco-éthologique ainsi que des observations recueillies sporadiquement complètent l'étude de ce peuplement régional qui compte onze espèces essentiellement paléarctiques, avec cependant la présence remarquable de *Rhinopoma microphyllum*.

Avenant, N. L. (1997). Mammals recorded in the QwaQwa National Park (1994 - 1995).

Distribution, relative abundance, and habitat preference of mammals were studied in the newly proclaimed QwaQwa National Park (QQNP) and compared with those of the adjacent 33 year-old Golden Gate Highlands National Park, a nearby protected area in the KwaZulu-Natal Drakensberg,

Lesotho, and the rest of the Free State Province. In total, 53 mammal species were recorded inside the park and the probability of another 14 likely inhabitants, discussed. The fact that the QQNP contains ca. 70% of mammalian fauna recorded in the Free State and between five and 10 Red Data species stresses the importance of this park and the necessity for correct management of this ca. 21 000 ha conservation area. The low, small mammal numbers, variety, and mean diversity found on 17 transects in the QQNP is attributed to previous human habitation and activities - some of which are still present in the park.

Avery, D. M. (1991). Late Quaternary incidence of some micromammalian species in Natal.

Information on the distribution in Natal of various micromammalian species during the late Quaternary is presented, based on the evidence of remains recovered from the archaeological sites of Border Cave in the Lebombo Mountains, Umhlatuzana near Durban and nine sites in or near the Tugela Basin, is presented. Many species have occurred at present locations for some considerable period. There are notable exceptions; *Mus triton*, which now occurs no closer than Tete District in Mocambique, was present at Border Cave up to about 60 000 years ago. *Pelomys fallax, Rhinolophus hildebrantii* and *Malacothrix typical* have also not recently been reported from Natal. *Georychus capensis* is shown to have been more widely distributed in the past.

Avery, D. M. (1998). An assessment of the lower Pleistocene Micromammalian fauna from Swartkrans Members 1-3, Gauteng, South Africa.

An assessment of the micromammalian fauna from Swartkrans Cave, Gauteng, South Africa reveals the presence of at least 29 species, comprising four insectivores, four bats, three elephant-shrews and 18 rodents. *Proodontomys cookei* seems to be the only definitely extinct taxon represented. All the other taxa may be modern and require re-analysis using current taxonomic methods. A review of the status of Lower Pleistocene micromammalian taxonomy in South Africa indicates the need for a complete revision. This, in turn, brings with it the opportunity to develop species definitions that apply equally to fossil and extant material. It is argued that such an approach is essential if the fossil data are to aid our understanding of the history of biodiversity and endemism. The present paper begins the exercise by providing a general background for future detailed studies of the individual taxa.

Une évaluation de la faune de la grotte de Swartkrans, Gauteng, Afrique du Sud, révèle la présence d'au moins 29 espèces dont quatre insectivores, quatre chauves-souris, trois macroscelidides et dix-huit rongeurs. Il semble que *Proodontomys cookei* soit la seule espèce définitivement disparue. Toutes les autres peuvent être actuelles et nécessitent une nouvelle analyse en utilisant des méthodes modernes. La taxinomie des micromammifères sud-africains du Pleistocene inférieur requiert une révision complète. Celle-ci, en retour, constitue une excellente occasion pour développer les définitions des espèces que l'on peut appliquer également aux spécimens fossiles et actuels. Il est soutenu qu'une telle approche est essentielle pour que les données fossiles contribuent a notre compréhension de l'histoire de la diversité biologique et de l'endémisme. La présente étude entame un tel exercice en fournissant une base pour des études détaillées futures des taxons.

Avery, D. M., I. L. Rautenbach and R. M. Randall (1990). An annotated check list of the land mammal fauna of the West Coast National Park.

Some 4000 Barn Owl pellets with small mammal remains have been collected over a period of nine year from two locations at the south end of the Langebaan lagoon. Two small samples of bones from archaeological sites on the Churchhaven peninsula provide evidence for past mammal occurrences. The remains of small mammals from the owl pellet collection provide an initial list of 18 species that occur within the West Coast National Park. Subsequent conventional censusing by means of trapping and observational techniques to assess the small and large mammal species divesity of the area were conducted during 1989. This study documents the definite occurrence of 63 mammal species in the park, seven of which are exotics. The presence of a further five species require confirmation.

Interesting insight is gained into how direct censusing and owl pellet analyses augment each other in establishing the presence of small mammal taxa of an area.

Ayala, S. C., J. Bradbury and S. Bradbury (1981). *Hepatocystis* in *Hypsignathus monstrosus* (Pteropinea) in Gaboon. I. *Hepatocystis* malaria in a hammerhead bat population in Gaboon, West Africa.

Blood smears from 142 *Hypsignathus monstrosus* collected from one site in Gaboon were examined ; 139 bats showed *Hepatocystis* infection ; it seems that all animals have acquired *Hepatocystis* infection by the time they are 6 months of age. Intensity of parasitemias varies according to age, sex and for females to their reproductive status.

Les frottis sanguins de 142 *Hypsignathus monstrosus* capturés au Gabon dans un même gîte ont été examinés; 139 individus étaient parasités par *Hepatocystis*; tous les animaux semblent avoir acquis leur infection avant l'âge de 6 mois. L'intensité de la parasitémie varie en fonction de l'âge, du sexe et des phases de reproduction chez la femelle.

Ayensu, E. S. (1974). Plant and bat interactions in West Africa.

One of the most dramatic plant and animal relationships in the West African ecosystem is that which takes.place between such frugivorous bats as *Epomophorus gambianus* and *Eidolon helvum* and the introduced neem tree, *Azadirachta indica*. While earlier studies on bat behavior were carried out by personal observation and ordinary photographic means, recently developed night vision equipment has allowed the author to make nocturnal observations previously not possible. New observations, using this equipment, have now been made on bats and their interaction with trees of the following species: *Mangifera indica, Anacardium occidentale, Ficus umbrellata, Psidium guajava, Carica papaya, Kigelia africana, Spathodea campanulata, Parkia clappertoniana, Ceiba pentandra*, and *Adansoni digitata*. Observations are reported on the roosting characteristics of bats of the genus *Epomophorus*. The effect of feeding by bats on the fruits of various trees and the resulting dispersal of seeds on the coastal savannah-grasslandsl, (Accra Plains) of Ghana, are discussed. The effect of introduced plants on the bat population and disadvantages to the West African ecosystem which are attributable to the plant and bat interactions are summarized.

Azzaroli Puccetti, M. L. and B. Zava (1988). Nouvelles données sur les chiroptères des îles du Cap-Vert.

As a consequence of the recent capture of three bats in the Cape Verde Islands as well as of the study of the chiroptera specimens from this part of the world which are present in the collections of the Natural History Museums of Florence, Genoa, London and Paris, sixteen specimens of bats have been identified, belonging to five different species: *Taphozous nudiventris* (4 specimens from São Tiago and 2 from Maio), *Pipistrellus savii* (4 specimens from Fogo and 2 from São Vicente), *Plecotus austriacus* (1 specimen from Maio), *Pipistrellus kuhli* (1 specimen from São Vicente), *Miniopterus schreibersi* (2 specimens from Santo Antão). The last two species are new for the archipelago. The geographical, geological, climatic, ecological and historical aspects of the islands are also briefly considered.

Baeten, B., V. Van Cakenberghe and F. De Vree (1984). An annotated inventory of a collection of bats from Rwanda (Chiroptera).

Ce travail concerne l'etude de 1735 spécimens de Chiropteres, appartenants à 24 espèces différentes et collectés au Rwanda. Sept espèces nouvelles pour la faune du Rwanda ont été trouvées: *Rousettus lanosus, Hipposideros ruber, Myotis welwitschii, M. tricolor, Pipistrellus kuhlii, Eptesicus somalicus et*

Miniopterus inflatus. Par cet apport, on connaît actuellement 41 espèces de chauves-souris du Rwanda.

Pour chaque espece, des notes sur la distribution geographique, les gites diurnes, les biotopes preferes ou la position taxonomique ont ete donnees. Des mensurations ont parfois ete ajoutees pour des raisons de comparaison.

Baker, R. J. and J. W. Bickham (1980). Karyotypic evolution in bats: evidence of extensive and conservative chromosomal evolution in closely related taxa.

G- and C-band data for seventy-eight species of bats from four families were subjected to a cladistic analysis to determine the number of chromosomal rearrangements required to convert the karyotype proposed as primitive for a family into the karyotype of extant species in that family. The number of rearrangements ranged from 0 to 36, and if the age of families is 60 million years, average rate of incorporation of rearrangements per million years ranged from 0 to 0.6. When chromosomal variation in congeneric species were subjected to a similar-cladistic analysis, most (34 of 54) species had undergone no chromosomal rearrangements; however, some species had undergone from 14 to 20 rearrangements and the types of rearrangements that were incorporated in species having the largest amount of change were generally rearrangements that should produce considerable reduction in gamete fertility in individuals heterozygous for such rearrangements. Radically reorganized karyotypes appear not only in bats but in a wide variety of vertebrates. Factors related to demography, breeding structure, and speciation do not appear adequate to explain the occurrence of such radically reorganized genomes. Factors less related to demographic and vagility characteristics, such as mutation rate and mechanisms which reduce the meiotic constraints on the heterozygote, are phenomena which may be involved in evolving a radically reorganized karyotype.

Baker, R. J., B. L. Davis, R. G. Jordan and A. Binous (1974). Karyotypic and morphometric studies of Tunisian mammals: Bats.

Les caryotypes et les mensurations de 8 espèces de Chiroptera de Tunisie sont présentés dans ce travail. *Asellia tridens* et *Rhinolophus mehelyi* montrent une variation sexuelle secondaire significative. Les mesures des *Plecotus austriacus* de Tunisie sont comparées à celle des *P. austriacus* et *P. auritus* de Hollande. Les auteurs donnent des indications sur la reproduction des chauves-souris de Tunisie.

Les caryotypes de *Rhinolophus ferrumequinum, Pipistrellus kuhli, Eptescisu serotinus, Plecotus austriacus* et *Miniopterus schrelbersi* sont identiques en Tunisie et en Europe. *Rhinolophus mehelyi* a le même nombre diploïde qu'en Roumanie, mais le nombre fondamental est différent. Le caryotype de *Myotis blythi* de Tunisie est différent de celui de Tchécoslovaquie, mais il est semblable à ceux des *Myotis* de l'Ancien et du Nouveau Monde. Le caryotype d'*Asellia tridens* est 2N = 50, NF = 62.

Baker, R. J., R. L. Honeycutt and R. A. Van den Bussche (1991a). Examination of monophyly of bats: restriction map of the ribosomal DNA cistron.

Two opposing hypotheses concerning the origin of bats, as well as flight in mammals, have been proposed. In one, all bats shared a common ancestor after diverging from the remainder of extant Mammalia, whereas in the other, Megachiroptera, Primates, and Dermoptera shared a common ancestor after diverging from the Microchiroptera. In the latter hypothesis, flight in mammals would have evolved twice. To discriminate between the two competing hypotheses, we mapped 52 restriction sites for the ribosomal cistron (rDNA) for representative taxa using a mole, a shrew, and Mus as outgroups. We examined 14 genera representing 13 families of Microchiroptera, 5 genera of Megachiroptera, *Cynocephalus* (order Dermoptera), and *Homo* and *Lemur* (order Primates). Of the 52 mapped restriction sites, 24 were shared among all taxa. Resolution of the two alternative hypotheses was not found within these data. The only potentially resolving site was a *Pvu* II site in the nontranscribed spacer that united Dermoptera with the five genera of Megachiroptera. No

synapomorphic site linked all bats, all Microchiroptera, or Megachiroptera, Dermoptera, and Primates. It is Hypothesized that the lack of resolution from these molecular data originates from these taxa sharing a common ancestor for a relatively short time after diverging from the remainder of extant Mammalia. Such a short time in a common ancestor would permit few molecular events in conservatively evolving DNA sequences to become established to document a common origin. Alternatively, events that became established in rapidly evolving molecules would be lost or obscured due to extensive evolution over the long term since the Primates, Megachiroptera, Microchiroptera, and Dermoptera separated from each other.

Baker, R. J., C. S. Hood and R. L. Honeycutt (1989). Phylogenetic relationships and classification of the higher categories of the new world bat family Phyllostomidae.

A new classification of the higher taxonomic levels within the New World bat family Phyllostomidae is presented which designates evolutionary relationships, provides a phylogenetic framework upon which modifications can be made as new comparative data are produced, and resolved certain obvious unnatural taxa that exist in the traditional classification. This new classification is a synthesis of classical morphological, chromosomal, and biochemical data. Within the family three subfamilies, the Desmodontinae, Phyllostominae, and Vampyrinae are recognized. The Desmodontinae includes the three genera of vampires, the Vampyrinae includes *Vampyrum, Trachops*, and *Chrotopterus*, and the Phyllostominae contains three tribes, the Phyllostomini (including *Phyllostomus, Tonatia, Mimon, Lonchirhina*, and *Macrophyllum*), the Glossophagini (including genera of the previously recognized Glossophaginae and Brachyphyllinae), and Stenodermatini (including genera of the previously recognized Stenodermatinae and Carolliinae). Two genera (*Macrotus* and *Micronycteris*), do not share synapomorphies with any of these subfamilies, but have retained a large number of plesiomorphic features and are placed as incertae sedis.

Baker, R. J., M. Maltbie, J. G. Owen, M. J. Hamilton and R. D. Bradley (1992). Reduced number of ribosomal sites in bats: evidence for a mechanism to contain genome size

To better understand the organization of the genome of bats, we examined by in situ hybridization, the number of ribosomal DNA sites in 50 species of bats representing both suborders, 7 families, and 38 genera. Number of sites ranged from one to four pairs (average, 1.76) in bats, whereas the number of sites in 40 species of rodents ranged from two to ten pairs (average, 4.19). The possible relationship of a reduced number of sites to a smaller amount of DNA in the genome of bats is explored. We find little evidence to support the hypothesis that bats are retaining a fixed primitive condition of a low number of sites and we conclude that the most probable explanation is that bats, like other groups of mammals, have mechanisms that tend to increase the number of sites. However, the balance between mechanisms that increase and those that reduce the number of sites is more strongly in favor of reduction of sites than is characteristic of other mammals such as rodents.

Baker, R. J. and J. L. Patton (1967). Karyotypes and karyotypic variation of North American Vespertilionid Bats.

Karyotypes of 32 species of North American vespertilionid bats are described. Individual, population, subspecific, specific, and generic karyotypic variation are discussed. The use of karyotypes as a taxomomic tool and phylogenetic indicator in bats is discussed.

Barak, Y. and Y. Yom Tov (1989). The advantage of group hunting in Kuhl's bat *Pipistrellus kuhlii* (Microchiroptera).

Group hunting by *Pipistrellus kuhli* (Microchiroptera) was observed in Kibbutz Sde Eliyahu, Israel. The bats are attracted to aggregations of phototactic insects, mainly moths, which were found near street

lights. While flying near aggregations the bats emitted mainly the searching component of their calls, which caused the insects to disperse, apparently in order to escape predation. A negative correlation was found between the number of bats present near a light and percentage of insects grouped together. Group hunting seems to be beneficial for bats; there was a high correlation between bats' group size and the incidence of 'feeding buzzes'.

Barak, Y. and Y. Yom-Tov (1991). The mating system of *Pipistrellus kuhli* (Microchiroptera) in Israel.

The mating system, of the microchiropteran bat *Pipistrellus kuhli*, was studied in kibbutz Sde Eliyahu, Israel. These bats roost during the day under roofs and in wooden huts and attics and hunt in uncluttered environments (e.g., fields) to which they fly along permanent routes. From the beginning of March the females aggregate, in hundreds, at maternity colonies. Pregnant females are found between March-May and lactating females from May-July. Maximal body weight is reached in autumn (October-November) before hibernation, and in spring, due to pregnancy.

Two types of males were observed: those which roost singly all year round in permanent places located along the females' flying routes, and those which roost in small groups (7-16 individuals), which are located elsewhere. Single males are characterized by attaining maximal body weight in March and minimal body weight in October, having larger testes and exhibiting song-flight and false landing displays. In contrast, the body weight of grouped males fluctuates like that of the females. They have much smaller testes and do not exhibit mating displays. It is concluded that the system of *P. kuhli* might be categorized as female resource polygamy, where females are highly social and travel over a large area but along permanent routes, and the reproductive males roost and court along these routes.

La reproduction de *Pipistrellus kuhli* a été étudiée en Israel. Ces chauves-souris se reposent le jour sous des toits et chassent pendant la nuit sur des parcours constants dans un environnement ouvert. Au début de mars, les femelles se réunissent par centaines dans des colonies de maternité. Les femelles gestantes se voient de mars à mai et les femelles allaitantes de mai à juillet. Le poids maximal du corps est atteint en automne (octobre-novembre), avant l'hibernation, et au printemps à cause de la gestation.

Deux types de males ont été observés: ceux qui se reposent isolement toute l'année dans le même endroit, près des parcours de vol des femelles, et ceux qui se reposent en petits groupes (7 à 16) qui sont localises ailleurs. Les mâles solitaires atteignent leurs poids maximal en mars et leur poids minimal en octobre: ils ont des gros testicules et un vol bruyant et des parades de faux atterrissage. Par contre, le poids des males groupes fluctue comme celui des femelles. Ils ont des testicules plus petits et ne montrent pas de parades d'atterrissage. On en conclut à une polygamie des femelles; les femelles sont hautement sociales et voyagent sur une grande surface, mais selon des parcours constants, et les mâles reproducteurs se reposent et paradent le long de ces routes.

Baranga, J. and B. Kiregyera (1982). Estimation of the fruit bat population in the Kampala Bat Valley, Uganda.

A population estimate of fruit bats was carried out in the Kampala Bat Valley roost. The model used was a single-stage systematic sampling of unequal primary units (trees). The trees were first listed in a 'serpentine manner' with neighbouring trees having contiguous serial numbers. After a random start, every seventeenth tree was selected so that a sample of fourteen out of a total of 238 trees were counted. The exercise was carried out over 3 months, January, February and March, in 1979.

Information was gathered on the number of branches with bats, the number of bat clusters and cluster size. From the analysis of the data, the following monthly averages were obtained: total number of bats in the colony = 70,388; average number of bats on each tree = 310; average number of clusters per branch=4; average cluster size = 7.8. Measures of reliability of the estimates were made. The implications of these results and the conservation of the habitat are adjusted.

Une estimation de la population de chauve-souris frugivores a été menée dans les dortoirs devla 'Kampala Bat Valley'. Le modèle utilisé est un échantillonnage systématique en un temps d'unités primaires inégales (les arbres). La liste des arbres fut d'abord établie suivant un trajet en zig-zag. Apres un point de départ aléatoire, on a sélectionné chaque dix-septième arbre de telle façon qu'un échantillon de quatorze sur un total de 238 arbres fut compté. Ce travail fut entrepris pendant trois mois: de janvier à mars 1979. Des informations furent récoltées sur le nombre de branches portant des chauve-souris, le nombre de grappes et la taille des grappes. Les moyennes mensuelles suivantes ont pu être obtenues par l'analyse de ces données: nombre total de chauve-souris dans la colonie: 70.388, nombre moyen de chauve-souris sur chaque arbre: 310, nombre moyen de grappes par branche: 4, taille moyenne d'une grappe: 7.8. Les implications de ces résultats sur la conservation de l'habitat sont discutées.

Barlow, K. E. and G. Jones (1997a). Function of pipistrelle social calls: field data and a playback experiment.

The study aimed to determine whether the so-called social calls that are produced by foraging bats of two phonic types of *Pipistrellus pipistrellus* serve a social function. First, the relationship between insect availability and the rate of production of social calls was measured at a foraging site of both phonic types. Second, playback experiments of social calls of the two phonic types were conducted in the field to determine the response of foraging bats to these calls, and to determine whether the calls are used in communication within or between phonic types. Two hypotheses are suggested for the function of social calls: that they may be used either to attract other bats to a food patch, or in agonistic interactions between bats in defense of a food patch. At relatively low insect densities, the rate of social call production of both phonic types increased significantly as insect density decreased. When social calls of each phonic type were broadcast, there was a significant reduction in bat activity of the same phonic type. In contrast, playbacks of social calls resulted in no change in activity of the other phonic type. The results supported the food patch defense hypothesis, that social calls are used to warn off other bats of the same phonic type when insects are scarce. The results also supported the hypothesis that the two phonic types are sibling species. Social calls were shown to serve a social function in intraspecific communication, but there was no communication between phonic types.

Barlow, K. E. and G. Jones (1997b). Differences in songflight calls and social calls between two phonic types of the vespertilionid bat *Pipistrellus pipistrellus*.

The pipistrelle (*Pipistrellus pipistrellus*) occurs as two phonic types in Britain, its echolocation calls falling into two distinct frequency bands, with mean frequencies of maximum energy at 55 kHz and 46 kHz. These are termed the 55 kHz and 45 kHz phonic types here for simplicity. Songflight calls produced by males in the mating season, probably to attract females, differed between the two phonic types in the number of components in the calls and the call parameters measured. Songflight calls of the 55 kHz phonic type, which generally consisted of three components, were of higher frequencies than those of the 45 kHz phonic type, usually of four components. There were also significant differences in call parameters among individuals. A discriminant analysis of songflight calls classified 100% of individuals to the correct phonic type. The relationships between echolocation call frequency and songflight call frequency differed significantly between phonic types. Social calls produced during flight also differed between phonic types, in the number of components and call parameters measured. Social calls were compared to songflight calls of each phonic type. Social calls of the 55 kHz phonic type did not differ significantly from songflight calls: there were small but significant differences between the two types of calls of the 45 kHz phonic type. The study provides support for the hypothesis that the phonic types should be treated as sibling species. If songflight calls are used for male choice, the differences may allow reproductive isolation between the two phonic types. The functions of songflight calls and social calls need to be investigated through experimental studies to explain the implications of the differences between phonic types.

Barlow, K. E., G. Jones and E. M. Barratt (1997). Can skull morphology be used to predict ecological relationships between bat species? A test using two cryptic species of pipistrelle.

Can ecological relationships between bat species be predicted largely on the basis of morphology? This question was addressed by investigating skull morphology of two cryptic species of the pipistrelle bat. Since 45 *Pipistrellus pipistrellus* apparently eats larger prey than 55 *P. pipistrellus*, we predicted that it would have a larger overall skull size, a larger dentary apparatus, and a larger gape. To test these predictions, variables were measured from skulls of the two cryptic species, and comparisons made between them. In accordance with our predictions, overall skull size was larger in 45 *P. pipistrellus* than in 55 *P. pipistrellus*, and 45 *P. pipistrellus* had a longer lower jaw and the distance between the jaws at maximum gape was larger. In addition, 45 *P. pipistrellus* had longer upper canines, which may allow it to pierce harder prey items than 55 *P. pipistrellus*. Only some aspects of dietary differences between the two cryptic species could be explained by differences in skull morphology, and we suggest that empirical data, at least on diet and habitat use, are also required to explain mechanisms of resource partitioning among species in bat communities.

Barnett, A. A. and M. L. Prangley (1997). Mammalogy in the Republic of Guinea: an overview of research from 1946 to 1996, a preliminary check-list and a summary of research recommendations for the future.

The mammal fauna of Guinea is one of the least well-known in West Africa. This review has been prepared to bring together the scattered literature, and in the hope of stimulating research and identifying topics, geographical localities and habitats where knowledge is most limited. It covers some 411 biological publications, attempting to review all relevant material concerning terrestrial and freshwater aquatic mammals of Guinea published between 1946 and July 1996. Veterinary papers and those on domestic or introduced species have been excluded, as have those on Cetacea. Taxonomic literature is considered only insofar as it is relevant to biogeographical matters.

The paper is divided into two parts: the first reviews information on the biology, ecology, natural history and biogeography of Guinea's mammals; the second part looks at threats, conservation measures and laws, and summarizes recommendations for future research. A preliminary check-list and a list of suggested priorities for future mammalogical research are provided.

Barraclough, D. A. (1998). *Katacamilla* Papp, 1978, a genus of Camillidae (Diptera: Schizophora) associated with the dung of bats, birds and hyraxes in Africa and the Arabian Peninsula.

Katacamilla Papp, 1978, hitherto a monotypic genus of Camillidae known only from Namibia, is revised to include five species from Africa and the southern part of the Arabian Peninsula. The revision is based on more than 400 specimens. The placement of *Katacamilla* in the Camillidae is confirmed. A revised diagnosis of the genus is given. *Katacamilla* is distinguished from all other camillid genera by at least 10 character states, six of which are autapomorphies. A key to the species is presented. Illustrations of head profiles, male forefemur and terminalia are provided for all species. *Katacamilla cavernicola* Papp is redescribed from three Namibian localities. Four new species are described: *K. braacki* from northeastern South Africa, *K. ctenidia* from northern Nigeria, *K. gallagheri* from eastern Oman and *K. procavia* from central Namibia. *Katacamilla cavernicola* is known only from caves, where it exhibits both parietal and troglophilic habitat preferences; it has been reared from dung of the rock pigeon, *Columba guinea* Linnaeus (parietal), and of the common slit-faced bat, *Nycteris thebaica* Geoffroy (troglophilic). *Katacamilla braacki* has been collected in close association with dung of the Egyptian fruit bat, *Rousettus aegyptiacus* (Geoffroy), in a troglophilic habitat. *Katacamilla procavia* has been reared from the dung of the rock hyrax, *Procavia capensis* (Pallas), taken from the shelter of a rocky overhang. *Katacamilla ctenidia* and *K. gallagheri* are probably associated with the dung of birds and/or small mammals in relatively exposed habitats. A preliminary cladistic analysis suggests that the clade comprising the bat-associated (cavernicolous) sister species, *K. cavernicola* and *K. braacki*, is the most highly derived in the genus and, consequently, that association with bats is a recent specialization.

Barratt, E. M., M. W. Bruford, T. M. Burland, G. Jones, P. A. Racey and R. K. Wayne (1995). Characterization of mitochondrial DNA variability within the microchiropteran genus *Pipistrellus*: approaches and applications.

Past systematic studies of the genus *Pipistrellus* have used either morphological or karyological characters to reconstruct phylogenetic relationships. We provide a new molecular perspective on the relationships of *Pipistrellus* species through a phylogenetic analysis of mitochondrial cytochrome *b* DNA sequence data. We have used the polymerase chain reaction to amplify DNA of individuals from both living populations and museum collections. Our results show that *Pipistrellus* is a diphyletic grouping, containing two distinct clades that differ by about 12% in mitochondrial DNA sequence. Surprisingly, we find that genotypes from the UK population of *P. pipistrellus* are found in both clades. Three possible explanations for this observation are (1) that hybridization has occurred between species from both clades, (2) that two distinct ancestral lineages have been retained in the species, or (3) that the lineages comprise separate species.

Barus, V. (1973). The finding of nematods and Acanthocephalans in Egyptian bats.

A description is given of four nematode species recovered from Egyptian bats, i.e., *Spinostrongylus spinosus, Rictularia rnacdonaldi, Physaloptera* sp. (larvae), *Cyrnea* sp. (larvae), and of two acanthocephalans - *Pachisentis* sp. and *Moniliformis* sp. (both acanthellae). Characteristics of the morphology and measurements are given for *S. spinosus* and *R. macdonaldi*, with an evaluation of their range of hosts and their geographical distribution (including a list of genera and species of the subfamily Spinostrongylinae). In addition, an evaluation is given of the phenomenon of reservoir parasitism of larval nematodes and acanthellae in the bat.

Bauer, K. (1992). *Laephotis botswanae* - a bat new for Tanzania.

A small collection of bats obtained in Tanzania in the 1930s includes a specimen of Laephotis botswanae, a rare from until now not known from Tanzania. This record enlarges the list of Tanzanian bats to 79 species.

Baum, D. A. (1995). The comparative pollination and floral biology of baobabs (*Adansonia* - Bombacaceae).

The baobabs comprise eight species with large, spectacular, nocturnal flowers. The African baobab, *Adansonia digitata*, has long been known to be bat-pollinated. In this paper I document the floral biology and pollination systems of the remaining seven species. The two species in section *Brevitubae*, both endemic to Madagascar, are pollinated by nocturnal mammals (fruit bats and lemurs). In contrast, the five species in section *Longitubae*, four endemic to Madagascar an one to Australia, are pollinated by long-tongued hawkmoths. In all cases, animals besides the legitimate pollinators also exploited nectar and pollen. The two pollinator systems occurring in the genus correlated closely with differences in the floral morphology, phenology, and nectar production.

Beaucournu, J.-C. and D. Kock (1996). Notes sur les Ischnopsyllinae du continent Africain, III. Compléments à la répartition des espèces (Insecta: Siphonaptera: Ischnopsyllidae).

First records of bat fleas are reported for Burkina Faso (*Lagaropsylla anciauxi* on *Tadarida major*), Eritrea (*Chiropteropsylla brockmani* on *Scotophilus dinganii flavigaster*; *L. anciauxi* on *T. bivittata*), Ethiopia (*L. idae* on *T. condylura* and *T. pumila*), Kenya (*L. idae* on *T. condylura* and *T. pumila*), Malawi (*Ischnopsyllus emminus* on *Pipistrellus rueppelli* and *P. kuhlii*; *Dampfia grahami equatoris* on *Eptesicus*

capensis; *L. consularis* on *T. pumila*) and Senegal (*L. idae* on unidentified bat). New host species for bat fleas are *T. bivittata* for *L. anciauxi* (in Eritrea); *Rhinolophus aethiops* for *Rhinolophopsylla ectopa* (in Kenya); *P. rueppelli* (1st African record) and *P. kuhlii* for *I. emminus* (in Malawi); the genus *Scotophilus* (1st African record) is a new host for *C. brockmani* (in Eritrea). Collection records are also given for: *L. incerta* on *T. condylura* in Madagascar; *Araeopsylla scitula* on *Otomops martiensseni* and *Triaenops persicus* in Kenya; *I. octactenus* on *P. kuhlii* in Tunisia; *R. capensis* on *Rhinolophus clivosus* in South Africa; and *Rhinolophopsylla unipectinata arabs* on *Rhinolophus mehelyi* and *R. ferrumequinum* in Algeria.

Beaucournu, J.-C. and J.-F. Noblet (1985). Une Nyctéribie (Diptera, Pupipara) nouvelle pour la faune Française: présence de *Basilia mediterranea* Hurka, 1970 en Corse.

A l'occasion d'une capture faite sur 2 *P. pipistrellus* de Corse, la femelle encore non étudiée de *B. mediterranea* est brièvement décrite et comparée à celle des autres *Basilia* apparentées ou sympatriques.

A Nycteribid (Diptera, Pupipara) new to the french Fauna: *Basilia mediterranea* Hurka, 1970 in Corsica.

On the occasion of the capture from 2 Corsican *P. pipistrellus*, the female of *B. mediterranea* is briefly described and compared with related or sympatric *Basilia*.

Behrensmeyer, A. K., N. E. Todd, R. Potts and G. E. McBrinn (1977). Late Pliocene faunal turnover in the Turkana Basin of Kenya and Ethiopia.

Analysis of a large sample of well-dated fossil mammals from localities in the Turkana Basin of Kenya and Ethiopia revealed sampling biases that affect patterns of faunal turnover during the late Pliocene. When these biases were accounted for, results indicated that 58 to 77 percent of the mammal species were replaced between 3.0 and 1.8 million years ago (Ma). Overall diversity increased from 3.0 to 2.0 Ma but then declined. No distinct turnover pulse is seen between 2.8 and 2.5 Ma; instead, the most significant period of faunal change began after 2.5 Ma and continued through 1.8 Ma.

Bell, G. P. and M. B. Fenton (1984). The use of Doppler-shifted echoes as a flutter detection and clutter rejection system: the echolocation and feeding behavior of *Hipposideros ruber* (Chiroptera: Hipposideridae).

Hipposideros ruber use CF/FM echolocation calls to detect the wing flutter of their insect prey. Fluttering prey were detected whether the insects were flying or sitting on a surface, and prey in either situation were captured with equal success (approximately 40% of capture attempts). Stationary prey were ignored. The bats did not use visual cues or the sounds of wing flutter to locate their prey. Wing flutter detection suggests that *H. ruber* exploit the Doppler-shifted information in echoes of their echolocation calls. These bats fed primarily upon moths, usually those of between 10 and 25 mm wingchord, although moths of less than 5 mm and greater than 40 mm wingchord were also attacked and captured. They showed no evidence of selecting moths on the basis of species or other taxonomic distinction, and occasionaly captured other insects.

Benda, P. (1994). Biometrics of *Myotis myotis* and *Myotis blythi*: age variation and sexual dimorphism.

A large sample of *Myotis myotis* and *M. blythi* was investigated to evaluate the role of age dependent variation and the amount of sexual dimorphism in the total variation of morphometric characters. Growth of some cranial dimensions continued up to the age of 2-3 years. In comparison with *M. blythi*,

this process is delayed in *M. myotis*. Sexual dimorphism was found in external measurements (females being larger) and some cranial ones (males being larger), the overall pattern being the same in both species.

Benda, P. and I. Horácek (1995). Biometrics of *Myotis myotis* and *Myotis blythi*.

Myotis myotis and *M. blythi* differ in pattern of both ontogenetic and geographic variation. Cline increase in body size (from West to East) was found in *M. myotis*. In *M. blythi*, such a trend is restricted onto the zones of sympatry only. Such a parallelism and an inverse skewenes of morphometric variation in sympatric populations may indicate a character displacement in these species. *M. myotis* seems to be resident in the W-Mediterranean, including whole the N-Africa. *M. blythi* is expected to spread into the W-Mediterranean as late as during the late Holocene and supposedly it did not reach Africa at all.

Benedict, F. A. (1957). Hair structure as a generic character in bats.

Since Cook's work (1868) on the hair of Indian bats, few studies have been made on the hair of the Chiroptera. Cole (1924) and Nason (1948) have stated that hair structure is of little taxonomic value in bats. Mayer (1952), however, has shown that hair structure can be used in distinguishing bats of the California fauna, and Volshina's (1951) preliminary study has also shown differences of hair structures in a few pteropids and in one emballonurid. The present study of bat hair is more extensive than any previous one and indicates clearly that hair structure can be a useful taxonomic tool, particularly for categories above the species level.

Benoit, P. L. G. (1958a). Les Polyctenidae du Congo Belge (Hemiptera - Cimicoidea).

Après avoir été négligée durant de longues années, la famille des Polycténides, composée exclusivement d'espèces parasites de Chauves-souris, a connu les faveurs de divers chercheurs au Congo Belge durant les dix dernières années. Jusque là, deux spécimens seulement avaient été récoltés dans nos Territoires d'Outre-Mer: -un spécimen par J. RODHAIN en 1920, un par A. COLLART en 1926.

A partir de 1948 par contre nos collections se sont enrichies de plus de vingt-cinq spécimens grâce aux recherches de N. LELEUP, M. LIPS, F. ANCIAUX DE FAVEAUX et finalement A. FAIN.

Dans leur excellente monographie de la famille G. F. FERRIS et R. L. USINGER (*Microentomology, vol. IV, 1939, contrib. number II* citent quatre espèces africaines: *Eoctenes intermedius* SPEISER, *E. nycteridis* HORVATH, *Adwoctenes horvathi* JORDAN et *Hypoctenes clams* JORDAN; aucune de ces espèces n'y est signalée du Congo Belge. COOREMAN en 1951 *Rev. Zool. Bot. Afr., 44, pp. 339-341* consacre une première publication à l'existence de la famille au Congo Belge pour les deux espèces africaines du genre *Eoctenes*. Quelques années plus tard le même auteur *Rev. Zool. Bot. Afr., 51, 1955, pp. 107-108* signale la capture d'*Adroctenes horvathi* JORDAN au Congo Belge.

Depuis ces deux publications de nombreux spécimens sont parvenus au Musée du Congo Belge; ils nous fournissent d'utiles précisions sur la distribution géographique et le choix de l'hôte.

Tous les spécimens originaires du Congo Belge cités dans cette publication font partie des collections du Musée Royal du Congo Belge.

Benoit, P. L. G. (1958b). Contribution a l'étude de Spinturnicidae du Congo Belge.

Dans l'état actuel de nos connaissances, les Spinturnicides, parasites du cheiropatagium des Chauves-souris, 'n'ont pas souvent été signalés du Congo Belge.

On ne sait pas encore si ces Acariens jouent un rôle dans la transmission de germes pathogènes. Ils sont incontestablement hématophages et la présence de sang dans le tractus digestif de la plupart des spécimens constitue d'ailleurs un obstacle au montage direct des spécimens en préparations microscopiques. Il est presque toujours indispensable de les faire bouillir dans une solution de KOH à 5-7 % puis d'expulser le contenu liquifié du corps par de légères pressions. Ces pressions se font de préférence à l'aide d'un objet obtus à l'extrémité. Après un passage d'environ dix minutes dans l'acide acétique cristallisable, le montage en milieu de Hoyer m'a donné toute satisfaction. Il est préférable de colorer les nymphes à l'éosine en solution chlorhydrique. L'emploi de KOH en solution supérieure à 7 % est à proscrire; à cette concentration la microsculpture cutanée est entamée, elle devient indistincte et disparaît parfois entièrement.

Bergmans, W. (1975). On the differences between sympatric *Epomops franqueti* (Tomes, 1860) and *Epomops buettikoferi* (Matschie, 1899), with additional notes on the latter species (Mammalia, Megachiroptera).

The approximate limits of the region of sympatric occurrence of the West African fruit bats *Epomops franqueti* (Tomes, 1860) and *Epomops buettikoferi* (Matschie, 1899) are discussed. Series of the two species from that region are compared and a key is given to identify adult specimens. Notes are added on the distribution, ecology and biology of *E. buettikoferi*.

Bergmans, W. (1976). A revision of the African genus *Myonycteris* Matschie, 1899 (Mammalia, Megachiroptera).

The fruit bat genus *Myonycteris* Matschie, 1899, is considered to contain only two valid taxa: the species *M. torquata* (Dobson, 1878) inhabiting the forest blocks in West Africa and Central Africa, and *M. brachycephala* (Bocage, 1889) from the island of São Tomé. *M. wroughtoni* Andersen, 1908, and *M. leptodon* Andersen, 1908, are considered synonyms of *M. torquata*. The subgenus *Phygetis* Andersen, 1912, proposed for the species *brachycephala* only, is sunk into the synonymy of *Myonycteris*. A number of new (collecting) localities for *torquata* is recorded, among which the first one in Nigeria. Data are included on morphological variability, sexual dimorphism,ecology and biology. The possible type locality of *torquata*, and some evolutionary trends within the genus are discussed.

Bergmans, W. (1977a). Notes on new material of *Rousettus madagascariensis* Grandidier, 1929 (Mammalia, Megachiroptera).

Seize spécimens de *Rousettus madagascariensis* Grandidier, 1929, ont été étudiés et mesurés. La position et les affinités du taxon sont discutés.

Biometrics of 16 specimens of *Rousettus madagascariensis* Grandidier, 1929, are given. Characters and affinities, distribution, and habitat of the species are discussed.

Bergmans, W. (1977b). An annotated inventory of three small collections of Nigerian Microchiroptera (Mammalia, Chiroptera).

The Nigerian Microchiroptera in the natural history collections of the universities of Ibadan, Ife and Amsterdam are listed. Important data and some measurements of each specimen are given. Some species are discussed in detail. *Myotis bocagei cupreolus* Thomas, 1904, and *Tadarida (Mops) congica congica* (Allen, 1917) are first records for Nigeria. The occurrence of *Rhinolophus landeri* Martin, 1838, in Nigeria is suggested. Some *Eptesicus* specimens are assigned to the species

capensis (Smith, 1829) and *somalicus* (Thomas, 1901). Four hitherto unknown specimens of *Scotophilus gigas gigas* Dobson, 1875, are recorded, and the type locality of this species is discussed.

Une liste a été dressée des Microchiroptères de la Nigérie, qui font partie des collections d'histoire naturelle des universités d'Ibadan, d'Ife et d'Amsterdam. Des données générales sont mentionnées pour tous les spécimens dont quelques-uns sont traites plus amplement. *Myotis bocagei cupreolus* Thomas, 1904, et *Tadarida (Mops) congica congica* (Allen, 1917), représentent des espèces nouvelles pour la Nigérie. On a conjecture la présence possible en Nigérie de *Rhinolophus landeri* Martin, 1838. II a été fait mention de quatre spécimens de *Scotophilus gigas gigas* Dobson, 1875, qui étaient inconnus jusqu'a présent; tous les quatre sont originaires de localités situées soit tout près de Lagos, soit au Lagos même, la localité-type alléguée.

Die nigerianischen Microchiropteren in den Museumssammlungen der Universitäten von Ibadan, Ife und Amsterdam werden aufgelistet. Daten und einige Maße werden für verschiedene Arten angegeben. Für Nigeria sind *Myotis bocagei cupreolus* Thomas, 1904 und *Tadarida (Mops) congica congica* Allen, 1917 erstmals nachgewiesen. Ferner kann das Vorkommen von *Rhinolophus landeri* Martin, 1838, für Nigeria angenommen werden. Einige *Eptesicus*-Exemplare werden den Arten *capensis* (Smith, 1829) und *somalicus* (Thomas, 1901) zugeordnet. Weiterhin sind vier bislang unbekannte Exemplare von *Scotopbilus gigas gigas* Dobson, 1875 belegt und diskutiert.

Bergmans, W. (1978a). Rediscovery of *Epomophorus pousarguesi* Trouessart, 1904 in the Central African Empire (Mammalia, Megachiroptera).

Three recently collected specimens of the fruit bat *Epomophorus pousarguesi* Trouessart, 1904, hitherto only known from the type specimen, are described. In the author's view they confirm the specific status of the taxon; the type locality and distinguishing characters of the species are discussed.

Bergmans, W. (1978b). Review of drinking behavior of African Fruit Bats (Mammalia: Megachiroptera).

Certain captive African Megachiroptera drink regularly from a hanging posture. There are very few reports of these animals drinking in the wild, nearly all claiming that they would drink by skimming over open water surfaces and scooping water or wetting their fur and licking water from this afterward. This paper summarizes and critically deals with the literature on the subject, and presents some new evidence suggesting that the skimming maneuvers of some fruit bats might serve a purpose other than drinking. The discussion includes some related observations on Australasian Megachiroptera.

Bergmans, W. (1979a). Taxonomy and zoogeography of the fruit bats of the Peoples Republic of Congo, with notes on their reproductive biology (Mammalia, Megachiroptera).

This study deals with 272 Megachiroptera from the People's Republic of Congo, belonging to 13 taxa: *Eidolon helvum helvum* (Kerr), *Rousettus aegyptiacus unicolor* (Gray), *Lissonycteris angolensis angolensis* (Bocage), *Myonycteris torquata* (Dobson), *Hypsignathus monstrosus* Allen, *Epomops franqueti franqueti* (Tomes), *Epomophorus* cf. *labiatus* (Temminck), *Epomophorus wahlbergi haldemani* (Halowell), *Micropteropus grandis* Sanborn, *Micropteropus pusillus* (Peters), *Scotonycteris zenkeri zenkeri* Matschie, *Scotonycteris ophiodon* Pohle, and *Megaloglossus woermanni* Pagenstecher.

Of these, *Epomophorus* cf. *labiatus* and *Micropteropus grandis* are recorded from this country for the first time. The known ranges of *Epomophorus* cf. *labiatus* and *Micropteropus grandis* are greatly extended towards the west. In morphology and zoogeography ten species correspond with populations to the north and, with the possible exception of both *Scotonycteris* species, to the south; towards the east the distribution of *Rousettus aegyptiacus* and both *Scotonycteris* species is possibly

discontinuous. The two *Epomophorus* species and *Micropteropus grandis* are linked with populations towards the south and east only.

Seasonal biannual reproduction is assumed for *Epomophorus wahlbergi, Epomops franqueti*, and *Micropteropus pusillus*. Data on reproduction in other species are scarce or lacking.

Bergmans, W. (1980). A new fruit bat of the genus *Myonycteris* Matschie, 1899, from eastern Kenya and Tanzania (Mammalia, Megachiroptera).

Myonycteris relicta n. sp. is described from the Shimba Hills in southeast Kenya and from the Usambara Mountains in northeast Tanzania. The species is larger than the only other known African mainland species of the genus, *Myonycteris torquata* (Dobson, 1878), from the Central and West African rain forests and, if compared to *M. torquata* and the only other species in the genus, *M. brachycephala* (Bocage, 1889) from São Tomé, has a relatively longer rostrum, a more deflected cranial axis, and further differs in number, shape and position of its teeth. The new species provides new arguments for the relationship between the genera *Myonycteris* Matschie, 1899, and *Lissonycteris* Andersen, 1912. It is believed that *Myonycteris relicta* may be a forest species and as such restricted to isolated East African forests.

Bergmans, W. (1982). Noteworthy extensions of known ranges of three African fruit bat species (Mammalia, Megachiroptera).

True *Nanonycteris veldkampii* (Jentink, 1888) is recorded from the Central African Republic for the first time. The disputed occurrence of *Epomops buettikoferi* (Matschie, 1899) in Nigeria is confirmed. *Rousettus lanosus* Thomas, 1906, is added to the faunal list of Sudan.

Bergmans, W. (1988). Taxonomy and biogeography of African fruit bats (Mammalia, Megachiroptera). 1. General introduction; Material and methods; Results: The genus *Epomophorus* Bennett, 1836.

This first part of a revision of African fruit bats contains a short general Introduction and a section Materials and Methods, both pertaining to all parts -as are the first remarks under Results -, and a study of the genus *Epomophorus* ~ Bennett, 1836. Prior important descriptions of *Epomophorus* are reviewed and current concepts of the generic characters .~ relative rostrum length; relative palatal length; depression ofpostdental palate; palatal ridge pattern; and sexual dimorphism are modified.

Bergmans, W. (1989). Taxonomy and biogeography of African fruit bats (Mammalia, Megachiroptera). 2. The genera *Micropteropus* Matschie, 1899, *Epomops* Gray, 1870, *Hypsignatus* H. Allen, 1861, *Nanonycteris*, Matschie, 1899 and *Plerotes* Andersen, 1910.

The genera *Micropteropus* Matschie, 1899, *Epomops* Gray, 1870, *Hypsignathus* H. Allen, 1861, *Nanonycteris* Matschie, 1899 and *Plerotes* Andersen, 1910 and the species assigned to them are reviewed. All the currently recognized taxa are main- tained except subspecific partitions in *Epomops .franqueti* (Tomes, 1860). The known characters are reviewed and dis- cussed, and new characters presented, and their possible taxonomical implications mentioned. Of the skull characters traditionally used to

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Bergmans, W. (1994). Taxonomy and biogeography of African fruit bats (Mammalia, Megachiroptera). 4. The genus *Rousettus* Gray, 1821.

The concept of the genus *Rousettus* Gray, 1821 as established by Andersen (1912) is revised to accommodate *R. madagascariensis* Grandidier, 1929, *R. obliviosus* Kock, 1978 and *R. spinalatus* Bergrnans & Hill, 1980, and to reflect the following mutations. Following Bergmans et al. (1988), the genus *Boneia* Jentink, 1879 is treated as a synonym of *Rousettus*, which adds to that genus the species *B. bidens* Jentink, 1879. The subgenus *Stenonycteris* Andersen, 1912 is considered a synonym of *Rousettus* and the subgenus *Lissonycteris* Andersen, 1912 a full genus, to be reviewed in the next part of this series. All African *Rousettus* species are characterized and their distributions, including many new records, and geographical variation are analyzed. Following Eisentraut (1960), *R. egyptiacus* (E . Geoffroy-St. Hilaire, 1810) is divided into four, geographically disjunct, subspecies: *egyptiacus* from southern Egypt northward to and along the Mediterranean coast, including Cyprus, into southern Turkey; *leachii* (Smith, 1829) from southern Sudan and Ethiopia through East Africa to the Cape; *unicolor* (Gray, 1870) from northwest Angola to the Mount Cameroun region and from there to Senegal; and the extralimital *arabicus* Anderson & de Winton, 1902 from the southern half of the Arabian Peninsula to southern Iran and Pakistan (*arabicus* records from East Ethiopia are thought to be based on small-skulled *leachii*). All four subspecies are shown to vary geographically. The differences between *arabicus* and *R. leschenaultii* (Desmarest, 1820), which both inhabit Pakistan, are discussed at length. Notwithstanding several recent publications, *Rousettus lanosus* O. Thomas, 1906 is considered very distinct from *Rousettus madagascariensis*. Its scattered highland distribution has given rise to appreciable geographic variation. Three rough divisions are described but for the present no subspecies are recognized: East Zaïre, adjoining Uganda and (probably) Rwanda; (probably) West Ethiopia, South Sudan, East Uganda and Kenyan highlands; and Northeast Tanzania to Malawi. The Malawi records are the first for that country. Of *R. madagascariensis*, many new specimens have come to light, and its diagnosis is adapted accordingly. Its association, as a subspecies, with *R. lanosus* by some recent authors is based on a misinterpretation of its original description and other literature, and rejected as untenable. Its differences from *R. obliviosus* are described in detail for the first time. Some previously unrecorded specimens of *R. obliviosus* are reported. It is suggested that sexual dimorphism may be at least partly responsible for the "geographic" variation noted by Kock (1978).

Bergmans, W. (1997). Taxonomy and biogeography of African fruit bats (Mammalia, Megachiroptera). 5. The genera *Lissonycteris* Andersen, 1913, *Myonycteris* Matschie, 1899 and *Megaloglossus* Pagenstecher, 1885; General remarks and conclusions; annex: Key to all species.

This is the last part in a series comprising all Megachiroptera known from mainland Africa and its islands. The concept of the genus *Lissonycteris* Andersen, 1912 is reviewed and adapted. For the first time, its differential characters vis-à-vis the genera *Rousettus* Gray, 1821, and *Myonycteris* Matschie, 1899 as described in the literature have been checked against material of all the species involved. As a consequence, a number of these characters are considered of no taxonomic value and have not been retained, while some new differential characters are described. *Lissonycteris* and *Myonycteris* are considered different from *Rousettus* on generic level, while *Lissonycteris* and *Myonycteris* are more closely related to one another than each of these to *Rousettus*. New observations on all African and extralimital species of *Rousettus* are reported and the retention of *Boneia* Jentink, 1879 as a subgenus by Corbet et al. (1991, 1992) is rejected. *Lissonycteris* is considered a monotypic genus, with as single species the polytypic *L. angolensis* (Bocage, 1898). The subspecies *angolensis, smithii* (O. Thomas, 1908) and *ruwenzorii* (Eisentraut, 1965) are recognized, and two new subspecies, *petraea* and *goliath*, are described. *Myonycteris* consists of three species, *torquata* (Dobson, 1878), *brachycephala* (Bocage, 1889) and *relicta* Bergmans, 1980. Their present taxonomy is conform earlier reports (Bergmans, 1976, 1980a). *M. torquata* is considered a monotypical species. *M. relicta* is reported from Zimbabwe for the first time, extending its known distribution 1400 km southwards. Following Kirsch et al. (1995) and Springer et al. (1995), the subfamily Macroglossinae is considered a synonym of the subfamily Pteropodinae. The taxonomy and distribution of *Megaloglossus woermanni* Pagenstecher, 1885 are reviewed. In a final section, general remarks and conclusions are presented on the supraspecific taxonomy of the Megachiroptera and a classification is proposed which includes the raise to subfamily rank of the Rousettinae and Epomophorinae and the recognition of the new tribes Scotonycterini and Plerotini; some recent publications bearing on African species taxonomy are reviewed; and an appraisal is made of the distribution patterns found throughout this series. A vicariance model is proposed to explain the occurrence in Asia and Africa of both *Pteropus* Brisson, 1762 and *Rousettus* Gray, 1821. For woodland species, the regions SE Tchad/E

Central African Republic/W Sudan; N half of Tanzania; and E Angola/adjoining Zaïre have been identified as having (had) a barrier effect on dispersal. For forest species, important divides appear to be in the regions Volta River/Dahomey Gap; SE Nigeria; C and S Gabon; C Zaïre, from N to S; the Western Rift system; several barriers in E Africa. Finally, an illustrated key to all African Megachiroptera is given, primarily based on externally visible characters and designed for use in the field.

Bergmans, W., L. Bellier and J. Vissault (1974). A taxonomical report on a collection of Megachiroptera (Mammalia) from the Ivory Coast.

Ce travail concerne l'étude de 209 spécimens de Megachiroptères de la République de Côte-d'Ivoire. Ils appartiennent à 11 espèces différentes (les chiffres entre parenthèses indiquent le nombre d'individus de chaque espèce): *Eidolon helvum* (8), *Rousettus aegyptiacus* (2), *Hypsignathus monstrosus* (12), *Epomops franqueti* (27), *Epomops buettikoferi* (66), *Micropteropus pusillus* (30), *Nanonycteris veldkampi* (20), *Scotonycteris zenkeri* (1), *Lissonycteris angolensis* (5), *Myonycteris torquata* (35) et *Megaloglossus woermanni* (3).

Les positions taxonomiques de certaines espèces et sous-espèces ont été discutées, en se fondant sur les mensurations et la coloration des spécimens.

Bergmans, W. and H. Jachmann (1983). Bat records from Malawi (Mammalia, Chiroptera).

Five species of bats are recorded from Kasungu National Park, Malawi: *Eidolon helvum* (Kerr, 1792); *Epomophorus anurus* Heuglin, 1864; *Epomophorus minor* Dobson, 1880; *Epomops dobsonii* (Bocage, 1889); and *Scotoecus hindei* Thomas, 1901. Some other Malawian records of these species, based on literature and specimens in collections, have been included. *Epomophorus anurus, Epomops dobsonii* and *Scotoeous hindei* are recorded from Malawi for the first time.

Bernard, R. T. F. (1980a). Reproductive cycles of *Miniopterus schreibersi natalensis* (Kuhl, 1819) and *Miniopterus fraterculus* Thomas and Schwann, 1906.

The reproductive cycles of *Miniopterus schreibersi* and *Miniopterus fraterculus* were investigated histologically using specimens collected in the Natal Midlands (c. 29° S 30° 15' S).

In both species the gestation period was extended by a period of delayed implantation. In *M. fraterculus* the period of delayed implantation was two-and-a-half months, one-and-a-half months shorter than this period in *M. schreibersi*. In both species the period of active fetal growth was approximately four months.

Copulation in *M. schreibersi* from the Natal Midlands began one month after copulation in the same species from southern and northern Transvaal (c. 25° S and c. 24° S), and it is suggested that this is the result of summer in the Transvaal ending approximately one month earlier than in the Natal Midlands.

On the basis of the reproductive cycle and winter behaviour, the difference between the reproductive cycles of *M. schreibersi* and *M. fraterculus* is explained by suggesting that *M. fraterculus* migrated southwards from the tropics after *M. schreibersi*, that *M. fraterculus* has a shorter history at southern latitudes, and as such its reproductive cycle is intermediate between that of *M. schreibersi* from the same latitude, and the typical tropical reproductive pattern.

Bernard, R. T. F. (1980b). Female reproductive anatomy and development of ovarian follicles in *Miniopterus fraterculus*.

The uterus of *Miniopterus fraterculus* (Thomas & Swan 1906) is bicornuate and asymmetrical, the right uterine horn being larger than the lett in parous and nulliparous females. Ovarian and uterine function is asymmetrical; 94 % of observed ovulations originated in the left ovary and all implantations occurred in the right uterine horn. Growth and development of ovarian follicles follow the typical eutherian mammalian pattern. The preovulatory Graafian follicle differs from that of most hibernating verspertilionids in that the cumulus oophorus is relatively small. Two types of follicular atresia occur. The first type, in which the stratum granulosum degenerates before degeneration of the oocyte, occurs in multilaminar follicles. The second type occurs in primary and early secondary follicles and is characterized by the oocyte showing the first signs of regression.

Miniopterus fraterculus (Thomas & Swann 1906) het 'n bikornaatuterus wat asimmetries is met die regterhoring groter as die linker een. Die funksie van beide ovarium en uterus is asimmetries, deurdat 94 % van die waargenome ovulerings in die linker ovarium ontstaan het, en alle implanterings in die regterhoring van die uterus plaasgevind het. Groei en ontwikkeling van die follikels in die ovarium kom ooreen met die kenmerkende patroon in die eutheria. Die preovulatoriese follikel van Graaf verskil van die van meeste hibernerende vespertilionidae daarin dat dié cumulus oophorus relatief klein is. Twee tipes follikulêre atresia kom voor in *M. fraterculus*. Die eerste tipe is waar die stratum granulosum degenereer voordat degenerasie van die oösiet plaasvind, en word aangetref in multilaminêre follikels. Die tweede tipe kom voor in primêre en vroeë sekondêre follikels en hier word die eerste tekens van regressie in die oösiet gevind.

Bernard, R. T. F. (1982a). Female reproductive cycle of *Nycteris thebaica* (Microchiroptera) from Natal, South Africa.

Investigated monthly changes in the female reproductive organs and the reproductive cycle of *Nycteris thebaica*. Monthly changes in ovarian and vaginal activity were characterized by two peaks. The first, between April and early June, culminated in estrus, while the second, occurred between July and August during pregnancy and is thought to be a relict from polyestrous ancestors. The reproductive cycle was characterized by copulation and fertilization in early June, a five month gestation with parturition in early November, approximately two months of lactation, and a period of anestrus between termination of lactation and onset of proestrus in April.

Bernard, R. T. F. (1982b). Monthly changes in the female reproductive organs and the reproductive cycle of *Myotis tricolor* (Vespertilionidae: Chiroptera).

Myotis tricolor was monoestrous and monotocous. The oestrous cycle was characterized by a prolonged period of oestrus between mid-April and mid-September and a short period of anoestrus between the termination of lactation and the onset of pro-oestrus. The female reproductive cycle was characterized by copulation in mid-April and ovulation and fertilization in mid-September. The gestation period was estimated to have been 63 days and parturition occurred between mid-November and mid-December. Parturition was followed by a six-week period of lactation. It is assumed that between mid-April and mid-September the female stored spermatozoa in the uterine horns, a reproductive strategy previously reported for north-temperate members of this genus.

Maandelikse veranderinge in die vroulike voortplantingsorgane van *Myotis tricolor* is gekenmerk deur 'n kort ontwikkelingsperiode van die follikels van Graaf sowel as die vaginale epiteel gedurende pro-estrus. Die estrussiklus is gekenmerk deur 'n uitgerekte estrus en 'n kort anestrus tussen die einde van laktasie en die begin van pro-estrus. Die vroulike voortplantingsiklus is gekenmerk deur kopulasie in middel April, ovulasie en bevrugting in middel September en geboorte tussen middel November en middel Desember. Dit word vermoed dat spermatozoa tussen middel April en middel September in die uterushorings gestoor word, 'n voortplantingstrategie reeds voorgestel vir noord-gematigde lede van hierdie genus.

Bernard, R. T. F. (1984). The occurrence of spermiophagy under natural conditions in the cauda epididymidis of the Cape horseshoe bat (*Rhinolophus capensis*).

In Cape horseshoe bats large numbers of spermatozoa remain in the cauda epididymidis after copulations have ceased in September. Light microscopy has shown that for 5 months after September phagocytes are present in the lumen of the cauda epididymidis and electron microscopy has shown these cells to be active spermiophages. The large numbers of spermiophages present suggests that these cells could be responsible for removal of most of the excess spermatozoa. Spermiophagy by the epididymal epithelial cells occurs rarely and is not significant in the treatment of excess spermatozoa.

Bernard, R. T. F. (1985). Reproduction in the Cape horseshoe bat (*Rhinolophus capensis*) from South Africa.

Structure of the reproductive organs and the processes of spermatogenesis and follicular development are described and are·similar to those described for other members of the genus *Rhinolophus*. The reproductive cycle of the Cape horseshoe bat is characterized by spermatogenesis between October and May (spring to autumn) with sperm released to the cauda epididymis in April and May. At this time the females are in oestrus or submaximal oestrus but copulation and ovulation are delayed until August and September (the end of winter hibernation). Between May and September spermatozoa are stored in the cauda epididymis where they show no positive association with the epididymal epithelium. Parturition occurs in November and December after a three to four month gestation.

Die struktuur van die voortplantingsorgane en die prosesse van spermatogenese en follikulere ontwikkeling word beskryf en is soortgelyk aan die van ander lede van die genus *Rhinolophus*. Die voortplantingsiklus van die Kaapse saalneusvlermuis word gekenmerk deur spermatogenese wat tussen Oktober en Mei (Iente en somer) plaasvind met saad wat teenwoordig is in die cauda epididimis gedurende April en Mei. Die wyfies is in estrus of submaksimale estrus gedurende hierdie tydperk maar paring en ovulasie word tot Augustus en September (die einde van die winterslaap) vertraag. Tussen Mei en September word spermatozoa in die cauda epididimis gestoor waar hulle geen positiewe verbintenis met die epididimale epiteel vertoon nie. Geboorte vind plaas gedurende November en Desember na 'n dragtydperk van drie tot vier maande.

Bernard, R. T. F., C. Bojarski and R. P. Millar (1991). Plasma progesterone and luteinizing hormone concentrations and the role of the corpus luteum and LH gonadotrophs in the control of delayed implantation in Schreibers' long-fingered bat (*Miniopterus schreibersii*).

In Schreibers' long-fingered bat from South Africa (~ 33 °S) copulation, ovulation and fertilization occurred in April and May, implantation was delayed until August, and parturition occurred in December. Delayed implantation coincided with winter, during which the bats remained active, only entering prolonged periods of torpor during particularly cold spells. Plasma progesterone concentration was low during non-pregnancy (1.54 ng/ml) and during delayed implantation (1.67 ng/ml), and thereafter increased to reach a peak mean of 64.82 ng/ml in late pregnancy. Changes in size and ultrastructure of the luteal cells indicated periods of steroidogenesis just after formation of the corpus luteum, and for about 2 months after implantation; reduced steroidogenic activity during delayed implantation; and luteolysis in the last 2 months of pregnancy. Plasma luteinizing hormone (LH) concentration and pituitary LH-ß immunoreactivity were highest during follicular development and peaked just before ovulation. During early delayed implantation, plasma LH concentration was low, and both plasma LH and pituitary LH- ß immunoreactivity increased from July, reaching peaks in late pregnancy. LH may be required to activate the corpus luteum and terminate delayed implantation, or, as in some small carnivores, it may be required for luteal maintenance.

Bernard, R. T. F. and G. S. Cumming (1997). African bats: evolution of reproductive patterns and delays.

Patterns of reproduction in African bats can be compared in three taxon-based groups: fruit bats (Megachiroptera), freetailed bats (Microchiroptera: Molossidae) and the nonmolossid Microchiroptera. In the fruit bats and nonmolossid Microchiroptera there is a trend from either seasonal or aseasonal polyestry, with prolonged or continuous spermatogenesis in the tropics, towards seasonal monestry and seasonal spermatogenesis at more temperate latitudes. Reproductive delays (sperm storage, delayed implantation and delayed development) are rare at tropical latitudes, but are the norm in the nonmolossid Microchiroptera away from the tropics. The molossids are mostly polyestrous at tropical and temperate latitudes, although the duration of the reproductive season decreases with increasing latitude. The molossids appear to have escaped the constraints that affect reproduction of the other Microchiroptera. We propose that this may be due to their flight capabilities and foraging behavior, which give them access to year-round food, and to the thermal characteristics of their roosts. We suggest that the ancestral reproductive pattern of the Chiroptera was probably aseasonal or seasonal polyestry, as seen in extant tropical species, and therefore that reproductive cycles have evolved from the polyestrous to the monestrous condition. Short periods of reproductive delay occur in some species of tropical bats; we suggest that these reproductive delays originally were not adaptations to temperate latitudes but rather to the long dry season, which is characteristic of African tropical latitudes. With the move away from the tropics, selective pressures, acting on the timing of lactation and spermatogenesis, would have ensured that these processes continued to occur in the warm wet season, and that the length of the reproductive delay increased. This model accommodates the probable evolutionary origin of bats and links the evolution and development of reproductive delays to the differences in climate that occur with changes in latitude. There is evidence that mate choice and sperm competition may be important to modem bats, but we believe that they need not be invoked as causal factors in the evolution of reproductive delays, which can be adequately explained using purely energetic arguments.

Bernard, R. T. F. and A. Davison (1996). Does calcium constrain reproductive activity in insectivorous bats? Some empirical evidence for Schreibers' longfingered bat (*Miniopterus schreibersii*).

Insects are a poor source of dietary calcium and since they are seasonally abundant, it has been suggested that calcium availability may play a significant role in controlling the timing of reproduction in insectivorous bats. To assess the possible role of dietary calcium, we have measured bone calcium concentrations in female and male long-fingered bats (*Miniopterus schreibersii*) through a full reproductive cycle. The results indicate that winter was not a period of calcium stress and, therefore, that seasonal changes in insect abundance and dietary calcium availability are not a satisfactory explanation for the occurrence of delayed implantation in the long-fingered bat. Bone calcium concentrations of females did not differ significantly throughout pregnancy, indicating that the insects available in winter and early summer were sufficient to meet the calcium demands of pregnancy. Lactating females had the lowest bone calcium concentrations of all specimens, supporting the suggestion that lactation is indeed a period of severe calcium stress in aerial insectivores. We conclude that parturition is probably timed so that lactation coincides with the period of maximal insect abundance and corresponding dietary calcium availability.

Bernard, R. T. F., D. C. D. Happold and M. Happold (1997). Sperm storage in a seasonally reproducing African vespertilionid, the banana bat (*Pipistrellus nanus*) from Malawi.

Spermatogenesis in the banana bat (*Pipistrellus nanus*) from southern Malawi began in the hot, wet season (February to April) and spermatozoa were released to the cauda epididymides at the beginning of the cool, dry season (May). Mating occurred between mid-June and early July, in the middle of the cool, dry season. After mating, spermatozoa were stored by the female until ovulation in August and by the male until at least September. The period of female sperm storage effectively lengthened the reproductive cycle so that early spermatogenesis occurred during the second half of one hot, wet season and births at the beginning of the following hot, wet season. During the period of sperm storage, males and females roosted together and group membership was labile, suggesting that the mating

system may be promiscuous (both males and females mating with more than one partner) and that sperm competition may occur. The similarity between the chronology of reproduction in Malawi, Kenya, and South Africa leads us to propose that sperm storage occurs at all three localities.

Bernard, R. T. F. and J. A. J. Meester (1982). Female reproduction and the female reproductive cycle of *Hipposideros caffer caffer* (Sundevall, 1846) in Natal, South Africa.

Female reproduction and the female reproductive cycle of *Hipposideros caffer* from three disused mines in Natal (c. 29 °S) are described.

The uterus of *H. caffer* was bicornuate with sinistral structural and functional asymmetry. The corpus uteri and caudal ends of the uterine horns differed from the general mammalian pattern, being lined by stratified epithelium. Growth, development and atresia of ovarian follicles were typically mammalian. The corpus luteum of *H. caffer*, which was extruded from the ovary, disappeared within one month of ovulation.

H. caffer was monoestrous and monotocous. Follicular development began in February, with copulation and ovulation occurring in late April (early winter). The gestation period was estimated to have been approximately 220 days of which the period of the zygote accounted for 21 days or 9,5 per cent, the period of the embryo 123 days or 55,9 per cent and the period of the foetus 76 days or 34,5 per cent. Development from fertilization to implantation was normal but embryonic development was retarded during winter. Parturition occurred in early December and was followed by a period of lactation/anoestrus during December and January.

The oestrous cycle, including pregnancy, was characterised by a relatively long pregnancy stage and the absence of a separate period of anoestrus.

H. caffer did not hibernate throughout the winter period but entered short periods of torpor during particularly cold spells.

Results from the present study support the trend seen in the genus *Hipposideros* and other microchiropteran genera of increasing gestation length with increasing latitude.

Bernard, R. T. F., J. Paton and K. Sheppey (1988). Relative brain size and morphology of some South African bats.

Measures of relative brain size and brain macromorphology are described for four species of Microchiroptera, two from the Vespertilionidae and two from the Rhinolophidae, and two species from the pteropodidae (Megachiroptera). Four brain parameters (brain length, hemisphere length, brain width and brain height) were measured, and converted to indices of proportion to allow interspecific comparison. The megachiropteran species have relatively larger brains than the microchiropteran species, this being primarily a result of the greater development of the cerebral hemispheres in the former group. Of the microchiropteran species, *Miniopterus schreibersii* has the highest value for comparative brain size and its brain shows several characteristics of the more encephalized Megachiroptera such as reduced exposure of the mesencephalic tectum, and the presence of prominent cerebral sulci. The possibility that the differences in brain size and development between the Megachiroptera and the Microchiroptera, may be related to diet, or that they may be of phylogenetic origin, is discussed.

Relatiewe breingrootte en brein-makromorfologie word beskryf vir vier spesies van die Vespertilionidae en Rhinolophidae (Microchiroptera) en twee spesies van die pteropodidae (Megachiroptera). Vier breinparameters (breinlengte, hemisfeerlengte, breinbreedte, en breinhoogte) is gemeet en omgesit na indekse van eweredigheid om interspesifieke vergelyking toe te laat. Die Megachiroptera-spesies het relatief groter breine as die Microchiroptera-spesies, wat primer te wyte is aan die groter ontwikkeling van die serebrale hemisfere van die eerste groep. Van die Microchiroptera-spesies het *Miniopterus schreibersii* die hoogste waarde vir relatiewe breingrootte en sy brein wys verskeie

kenmerke van die meer ontwikkelde brein van die Megachiroptera soos verminderde ontbloting van die mesenteriese tektum en die teenwoordigheid van prominente serebrale sulci. Die moontlikheid dat die verskille in breingrootte en -ontwikkeling tussen die Megachiroptera en Microchiroptera verwant mag wees aan dieet, of dat hulle van genetise oorsprong mag wees, word bespreek.

Bernard, R. T. F. and J. N. Tsita (1995). Seasonally monoestrous reproduction in the molossid bat, *Tadarida aegyptiaca* from low temperate latitudes (33°S) in South Africa.

A histological study of reproduction in Egyptian free-tailed bats (*Tadarida aegyptiaca*) from the Eastern Cape Province of South Africa (c. 33° S) showed that females were seasonally monoestrous. Copulation, ovulation and fertilization occurred in August, at the end of winter. and births in December, after a four-month pregnancy. These results are compared with those of other molossid bats from lower latitudes in Africa. We conclude that the monoestrous habit of the Egyptian free-tailed bat at 33° S may be due to its relatively long pregnancy, and to the short summer period during which minimum temperatures are high enough to ensure an abundance of nocturnal flying insects.

'n Histologiese ondersoek van Egiptiese losstertvlermuise (*Tadarida aegyptiaca*) van die Oostelike Kaap Provinsie van Suid-Afrika (c. 33° S) toon dat dear slegs 'n enkele estrus per jaar is en dat dit seisoensgebonde is. Paring, ovulasie en bevrugting vind plaas gedurende Augustus, aan die einde van die winter, met geboortes gedurende Desember na 'n dragtigheidsperiode van vier maande. Die resultate word vergelyk met die van ander molossiede vlermuise van laer breedtegrade in Afrika. Ons maak die gevolgtrekking dat die enkele estrus van Egiptiese losstertvlermuise teen 33° S verklaar kan word deur 'n lang dragtigheidsperiode en die kort tydperk gedurende die somer wanneer die minimum temperature hoog genoeg is om te verseker dat daar 'n oorvloed vlieende naginsekte is.

Best, T. L., B. A. Milam, T. D. Haas, W. S. Cvilikas and L. R. Saidak (1997). Variation in diet of the Gray bat (*Myotis grisescens*).

During spring and summer 1991, a total of 1,476 fresh fecal pellets of gray bats, *Myotis grisescens*, was collected at Blowing Wind Cave, Jackson Co., Alabama. Fourteen orders of Insecta, unidentified Insecta, an unknown organism (possibly Insecta), two orders of Arachnida, and hair from gray bats were recovered; in decreasing order, the most common taxa were Lepidoptera, Diptera, and Coleoptera. Food categories exhibited significant variation among sampling sessions, nights within sampling sessions, and hours within sampling sessions. When quantity of each food category in fecal pellets was compared with quantity of potential prey available for consumption, there was no statistically significant correlation. There was significant variation in diet over time, but bats did not select prey in proportion to availability.

Bhatnagar, V. S. and G. Parveen (1985). Karyomorphology of an Indian rat-tailed bat, *Rhinopoma microphylum kineari* Wroughton.

The diploid chromosome number and the details of the karyotype of an Indian bat, *Rhinopoma microphylum kineari* Wroughton is being reported for the first time (2n = 36).

Bhide, S. A. (1979). Observations on the anatomy, histology and histochemistry of the stomach of the vespertillonid bat *Miniopterus schreibersii* (Kuhl).

Both the openings of the stomach of *Miniopterus schreibersii* are directed cranially and the fundus is large and rounded. The longitudinal layer of muscles is thin but the circular layer is thick particularly at the apex of the fundic caecum. In addition to the usual types of cells, namely pepsinogen cells, parietal cells, surface mucous cells and neck mucous cells, a new type of cell, the interstitial cell of the gastric mucosa, which stains intensely pink with PAS, has been identified for the first time in the gastric glands.

In general there is a predominance of neutral mucins particularly in the pyloric region where blebs of mucus are seen to ooze out into the lumen. Acidic mucins are present in moderate amounts in the surface mucous cells at the apex of the fundic caecum.

Bickham, J. W. (1979). Chromosomal variation and evolutionary relationships of Vespertilionid bats.

Intergeneric evolutionary relationships were studied in vespertilionid bats using G- and C-band data. In most cases, chromosomal variation can be explained by Robertsonian changes, centric fusions being by far the most numerous. There appear to be three karyotypic, evolutionary trends among vespertilionids. The first is to remain karyotypically primitive by retaining a high diploid number with many acrocentric chromosomes. The second is to become karyotypically specialized by a process of centric fusion leading to lower diploid numbers with many biarmed chromosomes. The third is to reduce greatly the diploid number by centric fusions and translocations. The latter is seen only in *Lasionycteris* (2n = 20), which evolved from an ancestor with a karyotype like that of *Myotis* (2n = 44). A phylogenetic sequence is proposed based on banding patterns. A Myotis-like group including *Myotis, Pipistrellus, Lasiurus, Plecotus, Idionycteris*, and *Lasionycteris* evolved from an ancestor with the *Myotis* karyotype. An *Eptesicus*-like group including *Eptesicus, Rhogeessa, Antrozous*, and *Nycticeius* evolved from an ancestor with a karyotype like that of *Eptesicus*. *Miniopterus* represents a karyological intermediate between the two groups. The ancestral karyotype for the family is hypothesized to have been similar to that of *Myotis*.

Bigalke, R. C. (1968). Evolution of mammals on southern continents. II. The contemporary mammal fauna of Africa.

Africa and the Oriental Region are probably the areas from which mammals radiated into the rest of the world. Both regions have rich and diverse mammalian faunas. That of Africa, composed purely of placentals, is most closely related to the Oriental fauna and has very little in common with the faunas of the other southern continents. About one quarter of the families are endemic. Approximate numbers of species and superspecies are given for each family. Africa has about one-quarter of the mammal species of the world; rodents, bats, insectivores, artiodactyls, carnivores and primates, in that order, are the largest groups. Endemism at the generic level is high except in the bats. The main features of speciation, radiation, ecology and geographical distribution are discussed for each order. Outstanding features are the radiation of insectivores with the evolution of three endemic families, (the aquatic otter shrews, subterranean golden moles and bipedal elephant shrews); the great diversity of rodents, with endemic families resembling "flying" squirrels (anomalurids), moles (bathyergids), hyraxes (ctenodaclylids), cavies (thrynomyids) and kangaroos (*Pedetes*); extensive speciation in the Viverridae, and unparalleled radiation in the Bovidae to fill all available herbivorous niches. Regional faunas of the main biotic zones (Lowland Forest; Southern and Northern Savanna; South West, Somali and Sudanese Arid; and the Abyssinian Highlands) are described. The basic dichotomy is between forest and non-forest forms. A consideration of centers of endemism, mainly in the lowland forest and arid zones, leads to the conclusion that they were isolated as a result of fluctuations in climate and the resulting displacement of vegetation zones during the Quarternary. The faunas of Madagascar and of the Comoro, Seychelle and Mascarene Islands are described. Madagascar has a peculiar, ancient, typically unbalanced, island fauna with African affinities. The other islands have small faunas, composed only of bats in the case of the farthest ones.

Birch, J. M. (1997). Comparing wing shape of bats: the merits of principal-components analysis and relative-warp analysis.

Size and shape are fundamental features of organisms. Ideally, the methods used to describe size and shape must be sensitive enough to detect small differences, and at the same time provide interpretation that is visually satisfying. I compared shape of wings among *Eptesicus fuscus, Myotis lucifugus, Pipistrellus hesperus*, and *Tadarida brasiliensis* using three methods of morphometric

analysis; principal-components analysis on traditional measures of lengths and areas, principal-components analysis of interlandmark distances, and relative-warp analysis. These species were chosen to test the efficacy of each morphometric analysis at discovering and describing differences in both size and shape. Although principal-components analyses provided similar aggregations of species based on variable loadings, only relative-warps analysis provided clear pictures as to how species differ. The molossid bat, *T. brasiliensis*, had narrower wings than the vespertilionid bats; this shape was not due to compression of the entire wing, but to a complicated rotation around the fifth digit. The vespertilionid bats were difficult to discern based on wing shape alone, but the warp analysis showed that *P. hesperus* and *M. lucifugus* are more similar in shape of wing than either is to *E. fuscus*. Each method of analysis of shape has strengths, but relative-warp analysis provided both the power to discriminate among minor differences in shape of species within families, and the graphical capability to display those differences in a visually pleasing way.

Black, H. L. (1979). Precision in prey selection by the trident -nosed bat (*Cloeotis percivali*).

Stomach samples from 55 African trident-nosed Bats (*Cloeotis percivali*), collected in Zambia over a 12 month period, were analyzed for prey remains. Lepidoptera were identified in all stomachs. Only seven bats had eaten prey other than lepidopterans. The width of the food niche for *Cloeotis* is compared with that of a temperate insectivorous species, *Pipistrellus Hesperus*, and is shown to be narrower. Data are presented on the size distribution of selected insect taxa collected by light trapping. Seasonal aspects of prey abundance in relation to rainfall patterns is also presented. It is hypothesized that *Cloeotis percivali* is a specialist on lepidoterans irrespective of seasonal or short term changes in their abundance.

Le contenu des estomacs de 55 *Cloeotis percivali*, collectés en Zambie pendant une période de 12 mois, a été examiné pour déterminer la nature des proies ingérées. Des Lépidoptères ont été identifiés dans tous les estomacs et seulement 7 chauves-souris ont ajouté d'autres insectes à leur menu. La niche alimentaire de *Cloeotis* comparee à celle d'une espèce insectivore de région tempérée, *Pipistrellus hesperus*, est plus étroite. L'auteur donne des indications sur la répartition de la taille des insectes collectés à la lampe. Il donne aussi des indications sur la variation saisonnière de l'abondance des proies en relation avec les pluies. *Cloeotis percivali* pourrait être specialisée dans la prédation des Lépidoptères, quelle que soit la saison et quelles que soient les variations temporaires d'abondance des papillons.

Black, H. L., G. Howard and R. Stjernstedt (1979). Observations on the feeding behavior of the bat hawk (*Macheiramphus alcinus*).

A foraging bat hawk (*Macheiramphus alcinus*) was observed for six consecutive nights near a cave in Zambia. Feeding bouts lasting an average of 18.3 minutes per night caught an average of seven insectivorous bats (average percent success was 49.3 per attempt). Average weight of meals was 56.3 g. Kill-ingestion rates averaged 6.0 sec. Bats were the only observed prey. The morphological and behavioral adaptations of bat hawks are discussed and interpreted as strategies that are a sensitive reflection of the biology, behavior, and ecology of small, insectivorous bats.

Blackwell, M. (1980). Incidence, host specificity, distribution, and morphological variation in *Arthrorhynchus nycteribiae* and *A. eucampsipodae* (Laboulbeniomycetes).

Nycteribiidae (Diptera) are ectoparasites of bats in the Old and New World. Some Old World nycteribiids are hosts for *Arthrorhynchus* (Laboulbeniomycetes). Thirty-five additional collections of *A. nycteribiae* and *A. eucampsipodae* greatly extend the known host and distributional range of these two species. In addition, it has been found that although morphological similarity exists within fungal thalli of the same collection, both species are marked by a great degree of intraspecific variation which usually cannot be correlated with climate, geographical location, host species, host sex, or other

factors. It is suggested that low population densities and partial isolation of populations may contribute to intraspecific variation.

Bobrinskoj, N. (1929). Bats of Central Asia.

Though the study of the systematic and geographical distribution of Bats of Siberia and Turkestan develops rapidly as a result of the recent research of Russian explorers and those of Near Asia, India and China thanks to the work of English and American scientists, the vast area of Central Asia remains quite unexplored.

There is however in the Zoological Museum of the Academy of Sciences a not very numerous but most valuable material of Chiroptera from Central Asia formed by different renowned Russian explorers, beginning with the famous N. PRZEVALSKIJ. It is therefore quite clear that I first paid attention to this collection when delegated by the Trustees of the Zoological Museum to revise their Collection of Bats.

In my article "Preliminary information on Bats of Central Asia" I gave: 1) a list of the Central Asiatic forms, according to the very poor literary information that is available, 2) a catalogue of the Collection mentioned after arranging it as I considered advisable, and 3) diagnoses of new species and subspecies. Being very restricted in print I could mention only very briefly the most important indications, and the diagnoses of the new forms were published only in Russian.

In the present article under the term „ Central Asia" I include the territory that borders on the USSR to the West and the North, . . .

Bocage, J. V. B. (1889b). Mammifères d'Angola et du Congo.

Sous ce titre j'ai l'intention de publier, dans une série d'articles, les résultats d'une première révision de nombreux matériaux déposés dans le Muséum de Lisbonne, qui me semblent destines à donner une idée plus exacte et plus complète des espèces de mammifères qui habitent les territoires d'Angola et du Congo.

La plupart de ces matériaux ont été récueillis par notre zélé naturaliste M. José de Anchieta, qui depuis 1867 s'occupe incessamment, sans un moment de défaillance, de l'exploration zoologique de ces possessions portugaises. Grace à lui, nos connaissances sur la faune de cette intéressante partie du continent africain ont fait de rapides progrès dans ces dernières années. Les territoires d'Angola et du Congo ne sont plus une *terra incognita* sous le point de vue de la zoologie.

D'autres personnes ont également droit à la reconnaissance de tous ceux qui s'intéressent aux progrès de la zoologie comme ayant contribué, quoique en proportions plus modestes, à la prospérité actuelle de nos collections africaines. J'aurai souvent l'occasion de citer leurs noms dans le cours de cette publication, mais je tiens à leur exprimer d'avance mes sincères remerciments pour leur généreux concurs.

Bogdanowicz, W. (1990). Phenetic relationships among bats of the family Rhinolophidae. Abstract.

Sixty-two species of rhinolophid bats were analyzed phenetically under the common-part-removed transformation of Wood C1983). Two ordination methods, one clustering technique, and a minimum spanning tree were employed to assess patterns of overall similarity among species. Two major phonetic groupings were revealed. One grouping was generally formed by Oriental and Australian species, while the second by Ethiopian and Palaearctic ones. Phenetic relationships between and within these groupings were discussed.

Bogdanowicz, W. (1992). Phenetic relationships among bats of the family Rhinolophidae.

Phenetic analyses, using the common-part-removed transformation of Wood (1983), were performed on 2.5 - 6.4% of the variance that describes morphometric differences among bats of the family Rhinolophidae. Two ordination methods, one clustering technique, and a minimum-spanning tree were employed to assess patterns of similarity among 62 species. Two major phenetic groups were revealed. One comprised Oriental and Australian species, whereas the other contained Ethiopian and Palaearctic taxa. On the basis of morphological similarity, all but one species were provisionally arranged in 11 phenetic groups: *megaphyllus, rouxii, euryotis, pearsonii, philippinensis, trifoliatus, fumigatus, ferrumequinum, capensis, euryale*, and *hipposideros*. Mensural data were not sufficient to clarify the status of *R. maclaudi*. Based on the morphological dispersion analysis, the Oriental region should be regarded as the center of origin of the family. On the basis of phylogenetic and functional factors, a close ancestor of rhinolophids probably lived in tropical rain forests, flew slowly emitting low-frequency sounds, and caught relatively soft but large prey.

Bogdanowicz, W., S. Kasper and R. D. Owen (1998). Phylogeny of Plecotine bats: reevaluation of morphological and chromosomal data.

Recent systematic studies of the tribe Plecotini have generated two alternative phylogenetic hierarchies: *(Barbastella (Corynorhinus (Plecotus (Idionycteris Euderma))))*; and *(Euderma* [including *Idionycteris (Barbastella (Plecotus Corynorhinus)))*. To test these hypotheses we examined 44 - 45 morphological and 11 karyological characters of 10 plecotine species, including *Otonycteris hemprichii*. Character states for the hypothetical ancestor were inferred by evaluation of selected outgroup taxa: *Rhogeessa tumida, Nycticeius humeralis, Eptesicus fuscus, Myotis lucifugus, M. ciliolabrum*, and *Miniopterus schreibersi*. The most parsimonious trees, identical in topology but different in character-state optimization, were congruent with the systematic hierarchy of Plecotini suggested by the first hypothesis. *Otonycteris* branched off before *Corynorhinus*. These results strongly support separation of *Corynorhinus* as an independent genus and limitation of *Plecotus* to Palaearctic species. The two highly derived taxa, *Idionycteris phyllotis* and *Euderma maculatum*, seem to be sufficiently different from each other to be regarded as generically distinct. It is proposed that the tribe Plecotini originated in the eastern hemisphere.

Bogdanowicz, W. and R. D. Owen (1990). Phylogenetic analyses of the bat family Rhinolophidae. 1. Metrical characters. Abstract.

The continuous morphological data set representing 64 Operational Taxonomic Units of *Rhinolophus* sp. was analyzed by the maximum likelihood method (size-free and common-partremoved transformations). Of several groups of species recognized by Andersen (1905 a, b, 1918), Tate and Archbold (1939), only a few were well defined and supported phylogenetically. The majority, like the *philippinensis* group of Tate and Archbold (1939), for example, did not represent natural assemblages. The results suggested eastern part of the Oriental Region or "Australo-Indo-Malayan Tract" as a center of origin for Rhinolophidae.

Bogdanowicz, W. and R. D. Owen (1992). Phylogenetic analyses of the bat family Rhinolophidae.

The 35 mensural traits of 62 species from the family Rhinolophidae were analyzed by the maximum likelihood method using data matrices after size-free and common-part-removed transformations. Of several groups of species recognized by most earlier researchers, only a few are well defined and supported phylogenetically. The majority, like the philippinensis group of TATE (1943), for example, do not represent natural assemblages. The results suggest south-east Asia as a centre of origin for the family. The extreme morphological similarity among horseshoe bats appears to reflect the monophyly of the genus *Rhinolophus*.

Bogdanowicz, W. and R. D. Owen (1996). Landmark-based size and shape analysis in the Plecotine bats.

Morphometric divergence among the skulls of 10 species of plecotine bats (n = 105) was studied using x, y-coordinates of 11 homologous landmarks recorded from the left half dorsal view of each skull. Univariate and multivariate analyses of shape coordinates provided estimates of differences among taxa and between sexes. The differences in size among species were correlated with uniform shape differences. The centroid size to uniform factor allometry was more pronounced longitudinally (i.e., along the midline of the skull) than it was laterally. Significant shape differences among species were also detected in both uniform and non-uniform components. Non-uniform shape variation involved lateral rather than longitudinal displacement of landmarks on the skull. Sexual dimorphism was reflected by centroid size and was seen only in *Otonycteris hemprichi*, in which females were about 4.4 % larger than males. The UPGMA phenograms of Mahalanobis D^2 of shape coordinates and of relative warp scores (in which the uniform shape component had been removed) revealed two consistent phenetic clusters. One was formed by *O. hemprichi*, with the remaining genera grouping in a second cluster. The relationships among genera in this second cluster varied depending on the phenogram generated. Nevertheless, the UPGMA phenogram derived from Mahalanobis D^2 computed on Bookstein shape coordinates (sexes combined) was entirely congruent with the current systematic hierarchy and phylogenetic hypothesis of the Plecotini sensu stricto recently put forward based on a parsimony analysis of 32 skin and skull characters. In our analysis, the most divergent species group was the monotypic *O. hemprichi*. A second group was formed by the genus *Barbastella*. The remaining clusters were composed of species of *Corynorhinus; Plecotus*; and a cluster containing *Idionycteris* and *Euderma*.

Böhme, W. and R. Hutterer (1979). Kommentierte Liste einer Säugetier Aufsammlung aus dem Senegal.

Pendant une excursion de trois mois au Sénégal une collection de 290 petits mammifères en 39 espèces a été recolté. Des resultats écologiques et faunistiques seulement les derniers sont résumés ici.

La présence de *Gerbillus pyramidum* au Sénégal est démontrée pour la première fois, c'est aussi la première trouvaille de ce genre dans ce pays. Deux autres espèces sont trouvées pour la deuxième fois au Sénégal: *Rhinolophus guineensis* (élevé ici au rang d'espèce) et *Hipposideros cyclops*.

Vu sous l'aspect historique de la faune, les espèces traités ici, peuvent être séparés en trois groupes:

1. Espèces répandues dans toute la savane soudanienne et sahélienne de la Mer Rouge jusqu'ä l'Ocean Atlantique. Leur Invasion très récente dans cette région peut être documentée par l'existence de plusieurs complexes d'espèces, très difficile dans leur taxonomie et démonstrants qu'ils sont encore en voie de spéciation.

2. Espèces distribués dans toute la région saharienne jusqu'ä l'Afrique du Nord, mais aujourdhui séparés dans des aires de répartition disjonctes: par example *Asella tridens, Gerbillus pyramidum, Lemniscomys barbarus, Mastomys erythroleucus* et *Lepus whytei*. Ce dernier est traité plus au fond quant à sa répartition actuelle en Algérie du Nord. Que la disjonction est assez récente, est démontré par le fait que les populations concernées sont encore conspécifiques.

3. Le dernier groupe est constitué de formes relictes qui sont en même temps d'espèces forestières. Leur plupart est bien defini taxonomiquement, ce que signifie que ces formes ont eu leur proces de spéciation avant les espèces savanicoles du groupe 1: *Rhinolophus guineensis, Hipposideros cyclops, Heliosciurus rufobrachium* et *Funisciurus anerythrus*.

During a three-months-excursion to Senegal 290 smaller mammals representing 39 species have been collected. From the reported ecological and faunistical data only the last named are summarized here.

Gerbillus pyramidum is recorded for the first time from Senegal representing also the first record of the genus for this country. Two further species were recorded for the second time: *Rhinolophus guineensis* (raised to specific rank in this paper) and *Hipposideros cyclops*.

Considering the aspect of faunal history the species discussed here can be grouped into three categories:

1. Species distributed throughout the savanna belt from the Red Sea to the Atlantic Ocean. The relatively recent date of invasion into the study area is documented by the existence of taxonomically difficult species complexes conclusive for the fact that their speciation process is not yet finished.

2 .Species formerly continiuously distributed throughout the Saharan region to North Africa, the area of which has been interrupted by the desertification. Examples given here are: *Asellia tridens, Gerbillus pyramidum, Lemniscomys barbarus, Mastomys erythroleucus* and *Lepus whytei*. The latter is discussed more extensively as regards to its recent distribution also in Northern Algeria. The relatively recent date of disjunction is documented by the conspecifity of the mentioned forms.

3. A last group can be characterised as relict group containing forest species. They are mostly well definable species thus supporting the view that they are older forms which have passed through their speciation phase earlier than the savanna forms of group 1: *Rhinolophus guineensis, Hipposideros cyclops, Heliosciurus rufobrachium* and *Funisciurus anerythrus*.

Bojarski, C. (1990). Immunolocalisation of, and ultrastructural changes in the LH gonadotropes of *Miniopterus schreibersii* and *Rhinolophus capensis* (Mammalia: Chiroptera) in relation to their reproductive cycles.

LH gonadotropes are successfully identified in the anterior pituitary of *Minioptems schreibersii* and *Rhinolophus capensis*, using immunogold labelling at the light and electron microscopy level. The gonadotropes are oval to polygonal in shape and possess numerous small secretory granules, which contain LH throughout the year. Their distribution is similar in both species, although the abundance varies slightly between species and sexes. Seasonal changes are detected in gonadotrope ultrastructure, pituitary LH levels, and plasma hormone levels, and activity pattern of LH gonadotropes generally coincide with reproductive activity in both bat species.

In female *M. schreibersii* gonadotrope activity, and high pituitary LH, and plasma LH levels coincide with follicular development, implantation and gestation. During the period of delayed implantation gonadotropes are inactive and plasma LH levels are low, coinciding with corpus luteum inactivity and low plasma progesterone levels. Implantation coincides with increased activity of the gonadotrope activity, increased plasma LH levels, reactivation of the corpus luteum and elevated plasma progesterone levels. Activation of LH gonadotropes towards the end of hibernation may be initiated by the winter solstice, which marks the change to increasing daylength.

In female *R. capensis* gonadotrope activity and high pituitary and plasma LH levels occur towards the end of follicular development. During hibernation gonadotrope activity and plasma LH levels decrease. Ovulation coincides with increasing gonadotrope activity (which follows the winter solstice), although a preovulatory peak in plasma LH is not detected.

In male *M. schreibersii* and *R. capensis*, gonadotrope activity and high plasma LH and testosterone levels coincide with spermatogenesis, except during a period of reproductive inactivity in spring in male *M. schreibersii*, where gonadotropes appear active and plasma LH and testosterone levels are high. The reason for this apparent activity is not known. Male sperm storage during hibernation in male *R. capensis* coincides with low gonadotrope activity and low plasma LH and testosterone levels. Factors initiating gonadotrope activity and hence spermatogenesis are probably decreasing daylength (summer solstice) in *M. schreibersii* and increasing ambient temperatures and food abundance (following the hibernation period) in *R. capensis*.

Bojarski, C. (1993). Seasonal changes in pituitary and plasma prolactin concentrations, and the role of prolactin in the control of delayed implantation in female *Miniopterus schreibersii*.

Mammotropes were successfully identified in the anterior pituitary gland of *Miniopterus schreibersii* using immunocytochemical (ICC) staining at the light and electron microscopy level. Mammotropes were distributed throughout the gland, were polygonal in shape and during secretory activity contained numerous large secretory granules (350 - 800 nm). Using double ICC labelling, prolactin and growth hormone were never co-localiszed and found in individual cells only. Plasma prolactin levels were successfully measured on a monthly basis using radioimmunoassay and monthly pituitary prolactin levels were quantified using morphometric analysis of immunogold ICC staining and densitometry with polyacrylamide gels.

Seasonal changes in the ultrastructure of mammotropes, and pituitary and plasma prolactin concentrations in female *Miniopterus schreibersii* indicated that there was an increase in prolactin secretion during the second half of the period of delayed implantation and that prolactin secretion remained elevated during normal embryonic development and lactation. This suggests that prolactin may be part of the luteotropic and lactogenic complex, and that the hormone might be responsible for terminating the period of delayed implantation. The latter is supported by experiments, where exogenous prolactin initiated precocious implantation during early delayed implantation, and treatment with bromocryptine (which inhibits prolactin synthesis) retarded implantation.

Activation of mammotropes to synthesise prolactin and an increase of plasma prolactin levels occurred shortly after the winter solstice (21 June), suggesting that increasing daylength may be the environmental cue, which terminates the period of delayed implantation in *Miniopterus schreibersii*.

Bojarski, C. and R. T. F. Bernard (1988). Comparison of the morphology of the megachiropteran and microchiropteran eye.

The structure of the eyes of two South African bat species, *Rousettus aegyptiacus* (Megachiroptera: Pteropodidae) and *Rhinolophus capensis* (Microchiroptera: Rhinolophidae) was examined and compared by means of light microscopy. The eyes of both species exhibit characteristics of a typical 'noctumal eye' (presence of only rods in the retina; the cornea shows a marked curvature and occupies about one third of the globe; the anterior and posterior chambers are very large in relation to the vitreous) and neither possess a fovea. The main difference occurs in the choroid and the retina. The fruit bat *R. aegyptiacus* shows a marked folding of the retina, as a result of papillae that project inwards from the choroid. This does not occur in the insectivorous bat *R. capensis*, where the choroid and the retina form a smooth layer. It is suggested that this unique feature of the fruit bat, and the associated increase in surface area and hence the number of photoreceptors is probably responsible for its good nocturnal vision.

Die struktuur van die oë van twee Suid-Afrikaansa vlermuis-soorte, *Rousettus aegyptiacus* (Megachiroptera: Pteropodidae) en *Rhinolophus capensis* (Microchiroptera: Rhinolophidae) is ondersoek en vergelyk deur middel van die ligmikroskoop. Die oë van albei soorte toon kenmerke van 'n tipiese 'nagtelike oog' (teenwoordigheid van slags stawe in die retina; die horingvlies vertoon 'n duidelik waameembare geboë vorm en beslaan omtrent een derde van die oogbol; die voorste en agterste kamers is baie groot in vergelyking met die glasige deel) en nie een besit 'n fovea nie. Die belangrikste verskil kom voor in die choroïed en die retina. Die vrugtevlermuis *R. aegyptiacus* toon opmerklike voue in die retina as gevolg van papillae wat vanuit die choroïed na binne uitsteek. Dit kom nie voor in die insekvretende vlermuis *R. capensis* nie waar die choroïed en die retina 'n gladde laag vorm. Daar word aan die hand gedoen dat hierdie unieke kenmerk van die vrugtevlermuis, met sy gepaardgaande vergroting vav die oppervlakte en die gevolglike groter aantal foto-reseptore waarskynlik verantwoordelik is vir die vrugtevlermuis se goeie nagvisie.

Bonhote, J. L. (1910). On a small collection of mammals from Egypt.

The following is an account of a small collection of Mammals brought home from Egypt. It was made up partly of a few skins and skulls which Capt. S. S. Flower had brought together, chiefly those of animals that had died in the Gisai Zoological Gardens or had been killed as vermin, partly of animals brought in from the district by natives, whom Capt. Flower had commissioned on my behalf, and lastly of specimens collected by myself. Unless otherwise mentioned the specimens came from near Cairo.

The collection contains some 28 species, of which one (*Dipoclillus mariæ*) is new to science, in addition to which I have been enabled to resuscitate the name *Procavia burtoni* for the Egyptian Hyrax, which is quite distinct from both the Sudan and Palestine species. An example of *Acomys russatus*, a very rare species, which has hitherto only been found locally in Palestine and Syria, was procured within a short ride of Cairo. The material has also enabled the range of other and commoner species to be extended, e. g. *Gerbillus mackilligini, Lepus innesi*.

I must acknowledge my indebtedness to Messrs. Oldfield Thomas, R. C. Wroughton, and K. Andersen, who have given me much help in the working out of the collection, which is now in the British Museum, and lastly to Capt. Flower, who is doing so much for the Zoology of Egypt and without whose kind cooperation this collection would never have been brought together.

Booth, A. H. (1956). Some Gold Coast mammals not included in Cansdale's "Provisional Checklist".

CANSDALE'S (1948) checklist of Gold Coast mammals is still, within its small compass, by far the most informative publication on the subject. A new checklist is being prepared by the writer, incorporating nomenclatorial and other data, but will not be available for some time. This interim publication is designed merely to add to Cansdale's list some forms which have since been discovered or which Cansdale omitted. The nomenclature is consistent with Candale's throughout.

Booth, A. H. (1958). The Niger, the Volta and the Dahomey Gap as geographic Barriers.

1. The distribution of species-groups of Primates, Sciuromorpha, Artiodactyla and Hyracoidea in West African High Forest is given in detail.

2. Four types of distribution are recognized:
a) *ambisilvan*, groups which occur both east of the Niger and west of the Volta.
b) *central*, groups which occur only east of the Niger.
c) *occidental*, groups which occur only west of the Volta.
d) *inter fluvial*, groups which occur between the Niger and the Volta, and which may have their origin from groups of type a), b) or c).

3. The central fauna is much richer than the occidental, which, though it contains a small number of endemic groups, is nevertheless thought to have been derived originally from the former.

4. The interfluvial fauna is remarkably poor. The zoogeographic data tend to corroborate geological evidence for the periodic deterioration of the climate between the Niger and the Volta during the 'Quaternary, which probably deprived the area of its High Forest several times, either partially or completely.

5. Climatic fluctuation has resulted in the Dahomey Gap acting as an important isolating mechanism in the past. Today, it is probably less important than the Volta and Niger rivers.

Booth, A. H. (1959). On the mammalian fauna of the Accra Plain.

The known mammalian fauna of the Accra Plain is listed. There are 75 species, 30 forest origin, 29 of savannah origin, and 16 which occur both in forest and in savannah. The forest fauna is limited by the 'thicket' type of closed cover which is virtually all that available. The savannah fauna is limited only partly by ecological considerations: geographic factors are also important. While some 15 of the savannah species could have penetrated forest from the north, 14 almost certainly could not. It is concluded that they do not represent a relic fauna, but have invaded the area from the Trans-Volla Togoland Region, following changes in the vegetation of the of the Plain.

Boulger, L. R. and J. S. Porterfield (1958). Isolation of a virus from Nigerian fruit bats.

A virus which is pathogenic for mice has been isolated from a pool containing the brains of six fruit bats (*Eidolon helvum*). The virus is not a strain of rabies virus. Serological tests indicate that it is probably a previously undescribed agent for which the name of Lagos Bat Virus is proposed.

Bown, T. M., M. Kraus, S. Wing, J. Fleagle, B. H. Tiffney, E. Simons and C. F. Vondra (1982). The Fayum Primate Forest revisited.

In Oligocene times, the Fayum area of northern Egypt was a subtropical to tropical lowland coastal plain with damp soils and seasonal rainfall that supported an abundance and variety of vegetation, including lianes (large vines), tall trees, and possibly mangroves, and a large and varied vertebrate fauna. The Oligocene marine strandline was close by and principal Jebel Qatrani Formation streams were probably brackish several kilometers inland due to tidal incursions. Sediments of the Jebel Qatrani Formation were deposited by several large meandering streams, associated with minor but sometimes extensive flood basin ponds. These rocks provide no evidence for the former existence, in early Tertiary time, of a "Proto-Nile" River. Large accumulations of silicified fossil logs in the Jebel Qatrani Formation are autochthonous and the logs were transported only a short distance before burial. The Oligocene higher primates *Aegyptopithecus, Propliopithecus, Parapithecus*, and *Apidium* lived in this paleoenvironment and postcranial remains of *Aegyptopithecus* and *Apidium* demonstrate that these animals were arboreal. This scenario for the paleoenvironment of the Fayum area in Oligocene times differs greatly from the nearly treeless, sparsely vegetated, semiarid sahélien Oligocene Fayum paleoenvironment populated by terrestrial primates that was recently proposed by Kortlandt (1980).

Braack, L. E. O. (1989). Arthropod inhabitants of a tropical cave 'island' environment provisioned by bats.

The arthropod community assoc&ted with an estimated population of 8000 *Rousettus aegyptiacus* fruit bats is described. The bats are permanent residents within a 64-m deep split in a sandstone cliff, the average width of the cave thus formed being 1.5 m and average height about 13 m. Transect sampling suggested a floor population in excess of 80000 *Gyna* spp. cockroaches. Other cave inhabitants included reduviid bugs preying on the cockroaches, parasitic evaniid and chalcidoid wasps, trogid beetles utilizing dead bats, tenebrionid and ptinid beetles, thysanurans, as well as numerous haematophagous argasid ticks and nycteribiid flies using the bats as food source. A simple food-chain depicts trophic relations in the cave.

Bradbury, J. W. (1977). Lek mating behavior in the hammer-headed bat.

Calling assemblies of *Hypsignathus monstrosus* were studied for 17 months in the field to determine if they were “leks” or mating arenas. Direct observations, netting of animals at the assembly sites, and radio-tracking of both ?? and ?? at the assembly sites, foraging grounds, and day roosts were all utilized to make this determination. Captive animals were maintained to establish growth rates. It is concluded

that *Hypsignathus* exhibit lek behavior even by the most conservative definition and share many features with other avian and mammalian lek species.

Bræstrup, F. W. (1935a). Remarks on climatic change and faunal evolution in Africa.

1) There is direct evidence of a steppe fauna in South West Africa as early as Lower Miocene.

2) The moister climate in Egypt during Tertiary is most satisfactorily explained as a result of equator movement, being in accordance with a southwards movement of all climatic zones in Europe as seen in the palaeoclimatic maps of KOPPEN-WEGENER. This means that Central Africa was in Early Tertiary within the southern dry belt, while South Africa was most probably covered by deciduous forest.

3) There is nothing in the recent fauna opposable to this view. The fact that some steppe types have been derived from forest types; does not demand such a theory as that advocated by LÖNNBERG.

Bræstrup, F. W. (1947). Remarks on faunal exchange through the Sahara.

The presence of Ethiopian faunal elements north of the western Sahara and of Palaearctic elements south of it is not exhaustively explained by former connections by river beds across the desert during periods of increased rainfall. There is also a question of temperature. This is seen by the following facts the significance of which seems to have been overlooked by previous authors:

1. Several tropical organisms in northern Egypt show a large break in their distribution further south. - This is probably owing to infavourable temperature conditions, and the inference is that they are survivors from a warmer period, probably the postglacial warm period, which would also allow ithe spreading of certain tropical snakes from western Sudan to Morocco, since it was accompanied by increased rainfall.

2. The few Palaearctic elements which are found in the western Sudan are restricted to the southern, more moist, parts near the forest border, where they are apparently rare. This occurrence is no doubt due to the less extreme heat In the south, and we may regard these species as survivors from a cooler period, probably the last Glacial Epoch, during which a combination of increased rainfall and low temperature favoured the southward spreading of Palaearctic elements.

3. The occurrence in North Africa of certain birds otherwise characteristic of The East African highlands is probably also to be explained by the cooler climate during the Glacial Epochs during which highland species could expand their ranges in the lowlands.

Bray, R. S. (1958). On the parasitic Protozoa of Liberia. I. Coccidia of some small mammals.

Four new species of *Eimeria* are described from small mammals in Liberia. These are: *E. levinei*, sp. nov. from a free-tailed bat, *E. firestonei*, sp. nov., and *E. milleri*, sp. nov., from a shrew, and *E. putevelata*, sp. nov., from a striped grass mouse.

Breitwisch, R. (1983). Fructivores at a fruiting *Ficus* vine in a southern Cameroon tropical wet forest.

A fruiting *Ficus* sp. vine in a southern Cameroon tropical wet forest was monitored for 57.75 hours over a 9-day period in early February 1979. Avian frugivores observed eating figs included one fruit pigeon, four hornbill, and three greenbul species. Two species each of monkeys and squirrels also ate figs. Greenbuls were present at 59 percent of the censuses, fruit pigeons at 12 percent, and hornbills at 11 percent. Mean foraging group sizes for greenbuls. fruit pigeons, and hornbills were 1.7, 2.3, and 2.0,

respectively. Greenbuls ate an estimated 17,332 fruits over an 8 day period, fruit pigeons 4769, hornbills 253-*. and Greater White-nosed Monkeys 811.

Bronner, G. N. (1990). New distribution records for four mammal species, with notes on their taxonomy and ecology.

New distribution record for four mall mammal species (*Georychus capensis, Galerella pulverulenta, Rhinolophus swinnyi* and *Amblysomus julianae*) are presented, along with relevant notes on the taxonomy, karyology and ecology of these species.

Brosset, A. (1961). L'hibernation chez les chiroptères tropicaux.

L'auteur étudie l'hibernation chez les Chiroptères de l'Inde occidentale, dont il a envisagé 29 espèces à ce propos. Cette étude porte sur des observations dans la nature et sur une expérimentation en laboratoire. Les résultats montrent que les *Taphozous, Megaderma* et *Hipposideros* ne sont pas capables d'hiberner, alors que les Vespertilionidés et les Rhinolophidés hibernent parfaitement. L'hibernation des Chiroptères tropicaux paraît avoir un déterminisme interne, car elle intervient souvent quand la nourriture est abondante et la température élevée. L'incapacité d'entrer en hibernation de certains groupes de Chiroptères explique leur répartition géographique.

Brosset, A. (1968). La permutation du cycle sexuel saisonnier chez le chiroptère *Hipposideros caffer*, au voisinage de l'équateur.

La reproduction du Chiroptère *Hipposideros caffer* a été étudiée au cours de cinq années (1963 - 1967) dans 8 grottes situées dans le nordest du Gabon (0° 32' - 1° 08' lat nord, 13° 3' - 13° 5' long. est). Bien que vivant sous l'Equateur les femelles sont strictement monoestriennes, et toutes celles d'une même colonie mettent bas simultanément, à date fixe chaque année. Le cycle des mâles, relativement contracté, et marqué par une longue période de quiescence, est synchrone de celui des femelles.

Le phénomène le plus remarquable mis en évidence par cette étude est le suivant: à l'intérieur d'une population sympatrique, il existe des colonies de cycle boréal (mise bas (in mars), tandis que l'immense colonie de la grotte du Faucon (500.000 individus au moins) est de cycle austral (mise bas en octobre). Le cycle de la mue s'accorde avec le cycle sexuel.

Une revue générale de ce qui est connu de la biologie d'*Hipposideros caffer* dans son aire immense de répartition, suggère que les populations situées au nord de l'Equateur se reproduisent suivant un rythme boréal, celles situées au sud suivant un rythme austral. Il apparaît que la permutation des cycles se situe légèrement au nord de l'Equateur géographique (probablement entre 1° et 4°), et que nos recherches ont porté précisément sur une population à cheval sur la ligne de permutation.

A notre connaissance, l'effet de l'isolement sexuel - non point dû à l'isolement géographique, mais à des rythmes incompatibles dans une même population - n'avait été étudié chez aucune espèce de Vertébré. Aussi nous sommes-nous appliqué à soumettre un échantillonnage de spécimens appartenant pour partie au rythme sexuel austral et pour partie au rythme boréal à l'analyse statistique. Les résultats sont hautement significatifs. Les individus appartenant au cycle boréal sont plus grands. Nous avons ici un cas où la ségrégation sexuelle, due à des rythmes biologiques distincts, conduit à une ségrégation morphologique de deux types d'individus à l'intérieur d'une même population. Dans l'immense colonie de Belinga existe, chez les femelles seulement, deux groupes de taille différente, phénomène difficile à interpréter pour le moment.

L'aire de répartition de l'espèce *Hipposideros caffer* couvre la plus grande partie de l'Afrique, et ce Chiroptère est probablement le Mammifère le plus nombreux de ce continent. Il compte des populations dont la morphologie varie considérablement, ce qui suggère une espèce en pleine phase évolutive. La permutation du rythme de la reproduction sur l'Equateur, avec les conséquences qui en

découlent: isolement de populations sympatriques, et différenciation morphologique en fonction du rythme, contribue-t-elle à une explication de l'instabilité typologique chez *Hipposideros caffer*? Ce n'est pas évident. En général, les populations de grands individus se situent au voisinage de l'Equateur. Les populations de petits individus seraient principalement périphériques, et situées aussi bien au sud qu'au nord de la ligne équatoriale. Il est possible aussi que les populations grandes soient plus particulièrement liées aux régions forestières, les petites aux régions découvertes.

The reproduction of the bat *Hipposideros caffer* had been studied over a 5 year period (1963 - 67) in 8 caves localized in the north-east of Gabun (0° 52' - 1° 08' lat. north - 13° 3' - 13° 5' long. east). The females are strickly monoestrous, and all members of each colony give birth to one youg at the same time each year. The cycle of the males, which is relatively compressed, and characterized by a long inactive period, is synchroneous with the cycle of the females. The most remarkable result obtained is the following: within one population, some colonies show a boreal cycle (birth of the youg in March), whereas the enormous colony of the "falken cave", containing probably more than 500.000 individuals, shows an austral cycle (birth of the young in October). The moulting cycle is synchroneous with the cycle of the reproduction.

A general review of what is known about thy biologie of *Hipposideros caffer* suggests that populations localized to the north of the Equator follow a boreal cycle, althroug population localized in the south follow an austral cycle. It seems that the inversion of the sexual cycle is situated between the latitude 0° - 4° North, and that my observation concerne precisely one population sitting astride the transition zone.

The resultant sexual isolation - not due to geographical gap, but due to incompatible rythms within sympatric populations - seems to be a novel phenomenon in our knowledge of vertebrates. Samples of populations exhibiting the austral or the boreal cycle were subjected to statistical analysis. The results are highly significant. Individuals of boreal cycle are larger than those of austral cycle, irrespectively of the situation of the colony from where they have been taken. We have here a case where sexual segregation due to distinct biological rythms induces morphological differenciation of two types inside the same population. In the huge colony of the falken cave, there exists - only among the females - two size groups. This is a very interesting fact, which cannot be explained at the moment.

The range of *Hipposideros caffer* covers almost the whole Africa. This bat is probably the most numerous Mammals of this continent. Populations are highly variables, a fact witch suggests a species at present in the course of evolution. Does the inversion of the sexual rhythm - in the equatorial zone, together with the consequent effect on the size of the individual thus isolated provide a valuable explanation for the typological instability in *Hipposideros caffer*? It seems not. Generally speaking, the populations with large specimens are observed around the Equator. The populations with small individuals are peripheral, and situated both to the north and to the south of the area. It is possible that the populations of large individuals are linked to' equatorial forest, and the populations of small individuals are linked to open countries.

Brosset, A. (1976). Social organization in the African bat, *Myotis boccagei*.

In northeastern Gabon (lat.: 0.4° north; long.: 12.5), the social organization of the vespertilionid bat *Myotis boccagei* was studied. In four groups, all individuals (55) were marked and monitored regularly for 38 months. The basic social organization in *Myotis boccagei* is the "harem". In each group, a single adult ? is invariably found, accompanied by from 2 to 7 adult ?? and recent young.

Résumé
Le Vespertilion africain *Myotis boccagei*, gîte pendant le jour dans le bourgeon terminal des bananiers. En fermant brusquement l'extrémité du cornet formé par la jeune feuille, on capture facilement le groupe entier de Chauves-souris gîtant à l'intérieur. Comme ces groupes sont sédentaires, chacun d'eux occupant la même plantation de bananier pendant plusieurs années, le contrôle régulier d'une population marquée est relativement facile pour cette espèce.

Dans le Nord du Gabon (lat.: 0.4° Nord; long.: 12.5) 10 groupes de *M. boccagei* ont été étudiés. Dans 4 groupes, tous les individus (55) furent marqués et régulièrement contrôlés au cours de 38 mois. L'organisation sociale de base chez *M. boccagei* est le "harem". Dans chaque groupe, on trouve invariablement un unique ? adulte, avec de 2 à 7 ?? adultes et leur jeune. Des ? ? solitaires ont été trouvés 9 fois.

L'élément stable des harems est constitué par quelques ?? reproductrices. Certaines d'entre elles furent revues sur place à tous les contrôles pendant plus de 3 ans. La rotation des mâles "chefs de harem" est au contraire rapide: un harem eut successivement 5 ? ? différents en 3 ans, un autre 3 en 2 ans. Un troisième harem eut le même ? de Juin à Juillet 1974, et de Novembre 74 à Août 75, le harem dans sa totalité ayant été absent de la plantation de bananier pendant cet intervalle. Un mâle chef de harem en Juin 1973 fut déplacé de son harem par un autre ? en Août 75, et fut retrouvé solitaire à environ 40 m de distance de ce harem.

Tous les juvéniles nés dans ces harems en disparurent à l'âge de 4–5 mois. De 11 ?? marquées étant juvéniles, aucune ne fut recapturée à l'àge adulte. Par contre, de 9 ? ? marquées étant juvéniles, 2 revinrent à l'àge d'un an comme chefs de harem, l'un d'un harem voisin de celui de ses parents, l'autre du propre harem où il était né.

Peut-être y a-t-il corrélation entre ce type de structure sociale - le harem - et le déséquilibre du "sex ratio" chez les adultes. Durant cette étude, 61 ?? adultes furent capturées pour seulement 26 ? ?.

Zusammenfassung

Die afrikanische Glattnasenfledermaus *Myotis boccagei* verbringt den Tag in den noch gerollten jungen Bananenblättern. Mehrere Jahre lang wurden beringte Individuen im Freiland regelmäßig wiedergefangen.

Die Tiere leben in Gruppen (Harems) aus 2 bis 7 ?? mit ihren Jungen und einem adulten ?. Daneben gibt es Junggesellengruppen. Die geschlechtsreifen ?? einer Gruppe bleiben beisammen, das Harems-? wechselt in Abständen von weniger als 12 Monaten, alle Jungtiere verlassen die Elterngruppe, wenn sie etwa 4–5 Monate alt sind. Von 9 markierten Jung-? ? übernahmen 2 im Alter von 1 Jahr einen der bekannten Harems; ein ? übernahm die ?? seines Elternharems.

Brosset, A. (1982). Structure sociale du chiroptère *Hipposideros beatus*.

Une population de *H. beatus* a été marquée et contrôlée pendant 3 ans sur une île du fleuve Ivindo (Gabon). La structure sociale est la famille monogamique : une paire d'adultes, suivie du jeune de l'année. Ces familles sont sédentaires sur des territoires qui saturent le biotope spécifique.

Brosset, A. (1985). Chiroptères d'altitude du Mont Nimba (Guinée). Description d'une espèce nouvelle, *Hipposideros lamottei*.

La prospection des prairies d'altitude du Mont Nimba (zone guinéenne) a permis la capture de 4 Rhinolophidés nouveaux pour cette région, ce qui porte à 39 le nombre d'espèces de Chiroptères connus du Mont Nimba. Description d'une espèce nouvelle, *Hipposideros lamottei*.

Brosset, A. and B. Caubère (1960). La colonie d'*Asellia tridens* de l'oasis de Figuig (Chiroptères).

Les auteurs évoquent l'écologie d'*Asellia tridens* dans l'oasis de Figuig, Maroc; la colonie se tient dans une galerie souterraine (fogara) où règne une humidité extrême et une forte chaleur. Cette population appartient à la sous-espèce *Asellia tridens diluta* Andersen (coloration, mensurations).

Brosset, A. and H. Saint Girons (1980). Cycles de reproduction des microchiroptères troglophiles du nord-est du Gabon.

In north eastern Gaboon (Lat. 0.1° - Long. 12°), the Microchiroptera living in caves show a rhythm of reproduction strictly seasonal and monoestrous. In the three species concerned, all the females give birth, once a year, in October, to a single young. In *Hipposideros caffer*, the females of some populations give birth in March (boreal cycle) although other populations, living in neighbouring caves, give birth in October (austral cycle).

A histological study confirms the field data, and gives precise results on the sexual cycle of both sexes. In the male, spermatogenesis immediately precedes the mating season. In the female, contrary to what occurs in temperate countries, ovulation takes place a short time after. Implantation is not delayed, but follows fecundation. The annual sexual cycle (pregnancy and lactating period) is 6 months in *Miniopterus inflatus* and *Hipposideros caffer*, and 12 months in *Hipposideros commersoni*. The cycle of sexual activity in the male is shorter than the cycle of similar species in temperate countries.

Sous équateur (O°4' N), une étude de terrain poursuivie pendant 14 ans montre que le cycle de reproduction des Microchiroptères troglophiles du nord-est du Gabon est monoestrien saisonnier. Toutes les femelles mettent bas une fois par an la même date. L'étude histologique précise que le cycle sexuel des males est synchronise avec celui des femelles qui ne présentent ni ovulation, ni implantation différées.

Brosset, A. and R. Vuattoux (1968). Redécouverte du "rat volant" de Daubenton *Myopterus senegalensis* Oken (Chiroptera), en Cote-d'Ivoire.

The bat *Myopterus senegalensis* was discovered by Adanson in Senegal about 1750 and called a "flying rat". Daubenton described it briefly in 1765. Later on the type was lost and the species was not found again. Its existence has just been confirmed by the capture of 5 specimens in a lontar palm at Lamto, in the Ivory Coast. Redescription of this very particular species, and which cannot be confused with any other.

Le Chiroptère *Myopterus senegalensis* avait été découvert par Adanson au Sénégal vers 1750. Sous le nom de "rat volant", Daubenton en avait donné une sommaire description en 1765. Par la suite, le type fut perdu, et l'espèce jamais retrouvée. Son existence vient d'être confirmée par la capture de 5 spécimens dans un palmier Ronier à Lamto, en Côte d'Ivoire. Redescription de cette espèce très particulière, et qui ne peut être confondue avec aucune autre.

Bruton, M. N. (1978). Recent mammal records from eastern Tongaland in Kwazulu, with notes on Hippopotamus in Lake Sibaya.

Distribution records of 36 mammal species in eastern Tongaland are given based on specimens, photographs and sight records collected during the period 1970 to 1976. The distribution of hippopotami in the coastal lakes of eastern Tongaland is outlined and aspects of their ecology in Lake Sibaya are described. The hippopotamus population in Lake Sibaya has doubled since 1958 despite the removal of at least 25 individuals for management purposes. The number of hippopotami in the lake itself decreases at high lake level when a large part of the population inhabits adjacent lakelets and swamps.

Burgess, N. D., L. B. Mwasumbi, W. J. Hawthorne, A. Dickinson and R. A. Doggett (1992). Preliminary assessment of the distribution, status and biological importance of coastal forests in Tanzania.

The lowland forests of coastal Tanzania comprise small and geographically isolated remnants of evergreen or semi-evergreen forest vegetation of the Zanzibar-Inhambane regional mosaic-undifferentiated forest type. Most of these 'coastal forests' are located at less than 600 m altitude and within 50 km of the coast. They have been isolated from other forest-blocks in Africa for perhaps the past 30 million years and have considerable biological importance, with high levels of endemism.

This paper presents a preliminary assessment of the distribution, status and biological importance of those Tanzanian coastal forests over 2 km^2 in extent. Twenty-four definite and 17 probable forests are identified. The largest are located on the Matumbi Massif to the southeast of Utete (c. 25 km^2), Zaraninge Plateau to the east of Sadaani (c. 20 km^2), Gendagenda to the west of Pangani (c. 26 km^2), Pugu Kazimzumbwi (c. 30 km^2) and inland from Kilwa (up to 100 km2). However, individual forests generally occupy less than 20 km^2, and the total area of forest remaining may be under 400 km^2.

Collectively these forests support many rare and poorly known plant species, including around 50 believed to be endemic to a single forest, seven bird species and subspecies of global conservation significance, several rare mammals, reptiles and amphibians, and an invertebrate fauna with many rare and undescribed species.

All Tanzanian coastal forests are being destroyed by unsustainable human actions generally following the sequence (a) logging for timber and fuel; (b) pole-cutting to build houses; (c) wholesale burning for charcoal; (d) wholesale conversion to agriculture. At the present rate of destruction the Tanzanian coastal forests and their globally important flora and fauna may be completely removed.

Butinsky, T. M. (1984). Ecological survey of the Impenetrable (Bwindi) Forest, Uganda, and recommendations for its conservation and management.

The primary goal of most national parks is to maximize the number of species contained therein. This goal is likely to be most successfully achieved where (1) a large array of habitat types are retained, (2) where habitat corridors are established, (3) where large numbers of individuals of each species are maintained, (4) where disturbances caused by human activities are minimized and (5), most importantly, where large tracts of land are incorporated into national parks.

Butler, P. M. (1984). Macroscelidea, Insectivora and Chiroptera from the Miocene of East Africa.

The East African Miocene Macroscelidea, Insectivora and Chiroptera are revised on the basis of new material. New taxa proposed are: *Miorhynchocyon*, n. gen, (Macroscelididae); *Miorhynchocyon meswae*, n. sp.; *Pronasilio ternanensis*, n. gen., n. sp. (Macroscelididae); *Hiwegicyon juvenalis*, n. gen. n. sp. (Macroscelididae); *Parageogale*, n. gen. (Tenrecidae); Prochrysochlorinae, n. subfam. (Chrysochloridae); Propottininae, n. subfam, (Pteropodidae); *Chamtwaria pickfordi*, n. gen., n. sp. (Vespertilionidae). *Gymnurechninus songhorensis* is synonymised with *G. camptolophus*.

The new material provides additional information on the dentition, especially of *Myohyrax oswaldi, Galerix africanus, Amphechinus rusingnsis, Protenrec tricuspis* and *Parageogale aletris*. Parlial skulls are described of *Amphechinus rusingensis, Protenrec tricuspis, Prochrysochloris miocaenicus* and *Taphozous incognita*.

The oldest member of the Macroscelidinae (*Pronasilio*) is described from Fort Ternan. *Galerix africanus* is closely related to *G. exilis* from Europe. *Amphechilnus rusingenesis* is compared with Asiatic Oligocene Erinaceinae. The Miocene age of *Crocidura* is rejected. On the evidence of humeri, the following families of Chiroptera are newly reported: Pteropodidae, Nycteridídae, Vespertilionidae, Molossidae. *Propotto* is regarded as an offshoot from the Pteropodidae, not ancestral to modern forms. *Chamtwaria* is a primitive vespertilionoid, provisionally placed in the Kerivoulinae.

Erinaceidae probably entered Africa at the beginning of the Miocene, before 20 Ma. Faunistic differences between deposits are largely to be ascribed to differences in local environment.

Cabrera, A. and A. E. Ruxton (1926). On mammals from Luluabourg, Southern Congo.

The present paper is based on three collections of small and middle-sized mammals obtained in Luluabourg, on the Lulua River, Kasai, Southern Belgian Congo, by Father R. Callewaert, of the Catholic mission of Saint Joseph de Luluabourg. The two larger collections, containing in all 678 specimens, were sent to the British Museum of Natural History, where, at the request of Mr. M. A. C. Hinton, we have examined them. A third arid smaller series, consisting of 76 specimens, was acquired by the National Museum of Natural Science at Madrid, Spain, and has been studied by only one of us (Cabrera); the authorities of that institution have kindly consented to incorporate the results of his work with the observations made in London. In this way we have been able to form a list of no less than 74 species collected in the same spot by the same collector, giving a very exact idea of the mammalian fauna of the Lulua region. The character of this fauna is in the main intermediate between that of Angola and that of Rhodesia, with several peculiar South Congolese forms, some of which appear to be undescribed. Among the material examined figures the type of the new genus and species of rodent *Hylenomys callewaerti* - recently described by Mr. Thomas.

Cagnolaro, L. (1976). Catalogo dei tipi del Museo civico di Storia naturale di Milano. III. I tipi dei mammiferi, con un profilo storico sulla collezione mammalogica.

L'autore traccia un profilo storico delle collezioni dei mammiferi del Museo Civico di Storia Naturale di Milano, raccolte per gran parte distrutte nel 1943 a seguito del bombardamento, tranne quelle dei micromammiferi in pelle, la sala dei Mammiferi italiani e pochi altri esemplari. Si considera brevemente l'entità ed il valore scientifico delle principali acquisizioni in base ai documenti d'archivio ed alla letteratura pubblicata sui materiali in oggetto; è pure ricordata l'attività degli Zoologi del Museo che si occuparono anche di Mammiferi, quali Jan, Cornalia, Bordelli e soprattutto Parisi. E' sommariamente descritta anche la fisionomia delle esposizioni dei Mammiferi al pubblico, mutata lungo il corso degli anni nelle tre diverse sedi in cui è statò sistemato il Museo.

L'entità attuale delle collezioni dei Mammiferi è di circa 5700 pezzi (2960 in pelle, 1400 in alcool, 900 montati e 450 tra crani e scheletri), ascrivibili ad oltre 400 specie. L'importanza della collezione concerne essenzialmente la Fauna italiana; le raccolte in estensione espongono tutti gli ordini con una significativa rappresentanza della teriofauna mondiale, con particolare riguardo al Sudamerica.

Nella seconda parte del lavoro è steso l'elenco dei Tipi dei Mammiferi del Museo, concernenti 13 *taxa*: i tipi di 4 sono ancora esistenti, mentre 9 sono andati distrutti durante l'incendio del 1943. Di ogni *taxon* sono riportati i riferimenti bibliografici essenziali e lo stato sinonimico 9 entità sono ritenute ancora valide. I Tipi furono descritti: 5 da CORNALIA e 8 da DE BEAUX; 8 Tipi riguardano la fauna africana, 4 quella sudamericana e 1 l'Italia.

L'ampia Bibliografia di 109 titoli riporta i lavori sui Tipi, le pubblicazioni sulle collezioni dei Mammiferi del Museo, comprese le raccolte d'ostensione, pubblicazioni mammalogiche del personale del Museo, nonché le biografie dei principali zoologi che si sono occupati dei materiali considerati.

The Author draws the historical outline of the collection of the Mammals of the Civic Museum of Natural History of Milan, from its foundation (1838) till now. Since in 1943 thé Museum was almost destroyed by a bombardment, most of the collections were lost, except those of micromammals skins, the Hall of Italian Mammals and few other specimens. Today the theriological collections include almost 5700 specimens (2960 skins, 1400 specimens in alcohol, 900 mounted specimens, 450 skeletons and skulls), belonging to over 400 species.

The Author considers the main acquisitions, studying historical records and the specific literature on Museum's collections. Among others it is related about the collections of G. Osculati from South America (CORNALIA, 1849 and OSCULATI, 1860 and 1854), from Eritrea of Dr. P. Magretti (BORDELLI, 1902), from Somaliland of V. T. Zammarano (PARISI, 1923 a), from Abyssinia of U. Ignesti (DE BEAUX, 1925 b), from Congo of Dr. A. Rossi (DE BEAUX, 1925 a), from Africa too of Baron L. Franchiti and L.

Tonker (DE BEAUX, 1923 a), from Haiti of the brothers R. and E. Ciferri (1927 - 1930), from the expeditions of Prof. G. Scortecci in Somaliland (1931: DE BEAUX, 1934), in Fezzan (1936: PARISI, 1938) and in Migiurtinia (1954; TOSCHI, 1956). From the Italy important are the collections of micromammals, especially of Trentino and the larger Festa Collection, both saved from fire.

The Author remembers the activity of the zoologists who worked in the Museum of Milan also in mammalian field, the founder G. Jan, Cornalia, Bordelli and above all Parisi. He briefly describes the disposition of the mammalian exhibition opened to the public during the years of history of Museum of Milan, in its three different buildings.

In the second part of this work the Types of Mammals of Museum of Natural History of Milan are listed, regarding 13 *taxa*; 4 Types still exist (*Scotoecus artinii* De Beaux, 1923; *Arvicanthis abyssinicus rossii* De Beaux, 1925; *Acomys bovonei* De Beaux, 1934; *Heterooephalus glaber scorteccii* De Beaux, 1934), 9 were destroyed by a fire in the 1943 (*Vespertilio Osculati* Cornalia, 1849; *Lepus De-Filippi* Cornalia, 1849; *Bradypus trivittatus* Cornalia, 1849; *Felis jacobita* Cornalia, 1865; *Sorex intermedius* Cornalia, 1870; *Petalia (Nycteris) thebaica aurantiaca* De Beaux, 1923; *Cercopithecus (Insignicebus) albogularis zmnmarmioi* De Beaux, 1923; *Petalia parisìi* De Beaux, 1923; *Genetta dongolana tedescoi* De Beaux, 1923. Among our Types, 5 taxa were described by Prof. Emilie CORNALIA, 8 by Prof. Oscar DE BEAUX. Their geographical distribution is: 8 from Africa, 4 from South America and 1 from Italy.

The Bibliography at the end-.of the work embraces 109 titles: the papers which contain the originai description of the listed Types, the papers on the mammalogical collections of the Museum of Milan, as well as the biographies of the zoologists, who worked on this field.

Capanna, E. and M. V. Civitelli (1964a). Contributo alla conoscenza della cariologia dei rinolofidi (Mammalia - Chiroptera).

In this paper the Authors show the results of a comparative analysis between the karyotype of two species of bats: *Rhinolophus ferrumequinum* and *Rhinolophus euryale*. Tissue colture tecnique has been employed.

The chromosomes number of *Rhinolophus ferrumequinum* in somatic mitoses is 2n=58. The karyogram of this species shows 24 pairs of acrocentric chromosomes, among which one medium-sized pair is provided with satellites, 2 pairs of metacentric chromosomes and 2 pairs of very small chromosomes. The X chromosome is a large submetacentric (centromeric index 30) and the Y chromosome is a very small one.

The chromosomes number of *Rhinolophus euryale* is also 2n=58; the karyogram shows 24 pairs of acrocentric chromosomes (no one with satellites), 2 pairs of metacentric chromosomes, but only one of these is morphologically similar to a pair of metacentric of the karyotype of *Rhinolophus ferrumequinum*, and 2 pairs of very small chromosome. The X chromosome of *Rhinolophus euryale* is a large submetacentric (centromeric index 25) and the Y chromosome a very small one.

A comparison between the karyotypes of the species has been made and the probable phylogenetic relationships have been discussed.

Sono stati esaminati, con la tecnica delle culture dei tessuti, i cromosomi somatici di *Rhinolophus ferrumequinum* (Schr.) e di *Rhinolophus euryale* Blasius.

Il numero dei cromosomi di *R. ferrumequinum* e risultato 2n=58; e stato inoltre definito il cariogramma di questa specie, comprendente 24 coppie di cromosomi acrocentrici, delle quali una di medie dimensioni con satelliti, due coppie di cromosomi metacentrici e due coppie di cromosomi puntiformi. L' eterocromosoma X e un grande metacentrico a braecia ineguali con in dice centromerico 30; I' eterocromosoma Y e un cromosoma puntiforme.

Il numero di cromosomi di *R. euryale* e risultato 2n=58; anche di questa specie e stato definito il cariogramma, comprendente 24 coppie di cromosomi acrocentrici (a differenza della specie precedentemente descritta, nessuno di questi e satellitato), due coppie di metacentrici e due coppie di

cromosomi puntiformi. L'eterocromosoma X e un grande metacentrico a braccia ineguali, con indice cenb·omerico 25; l'eterocromosoma Y e un cromosoma puntiforme.

E stato effettuato un confronto tra i cariogrammi delle due specie e sono stati discussi i possibili rapporti filogenetici.

Capanna, E. and M. V. Civitelli (1965). Cariologia e cariometria del miniottero (Mammalia - Chiroptera).

The karyogram of a bat, *Miniopterus schreibersii* (Natt. in Kuhl) has been defined, on the basis of an accurate karyometric analysis. The karyogram shows 22 pairs of autosomes and one pair of heterochromosomes; among the 22 autosimic pairs, 3 are metacentric, clearly different from each other for average length and situation of the centromere; 17 pairs are acrocentric and 2 pairs are formed by very small chromosomes. The X chromosome is a medium sized metacentric and the Y a very small one.

In base ad una precisa analisi cariometrica, e stato definito il cariogramma di *Miniopterus schreibersii* (Natt. in Kuhl). Il cariogramma comprende ventidue coppie di autosomi ed una coppia di eterocromosomi; delle ventidue coppie autosomiche, tre sono di cromosomi metacentrici, tra loro chiaramente differenziabili per la lunghezza media e la posizione del centromero, diciassette coppie sono di cromosomi acrocentrici e due coppie di puntiformi. Il cromosoma X e un metacentrico di medie dimensioni, il cromosoma Y e un puntiforme.

Capanna, E. and M. V. Civitelli (1966). I cromosomi del pipistrello abolimbato.

The karyogram of a bat, *Pipistrellus kuhli* (Natt. in Kuhl) has been defined on the basis of a karyometric analysis. The karyogram shows 21 pairs of autosomes and one pair of heterochromosomes; among 21 autosomic pairs, 3 are large metacentric, 1 small metacentric, 15 acrocentric and 2 pairs are of very small chromosomes. A pair of acrocentric chromosomes shows a large achromatic region. The X chromosome is a medium sized metacentric and the Y a very small one.

A comparison has been made between the karyogram of *Pipistrellus kuhli* and those of *P. pipistrellus, P. nathusi* (BOVEY 1949) and *Miniopterus schreibersii* (CAPANNA e CIVITELLI 1965).

In base alla analisi cariometrica, e stato definite il cariogramma di *Pipistrellus kuhli* (Natt. in Kuhl). Il cariogramma comprende 21 coppie di autosomi ed una coppia di eterocromosomi; delle 21 coppie autosomiche, tre sono di metacentrici grandi, una di piccoli metacentrici, 15 di acrocentrici, di cui una coppia mostra chiaramente una zona eterocromatica, 2 di cromosomi puntiformi. Il cromosoma X e un metacentrico di medie dimensioni, il cromosoma Y un puntiforme.

È stato fatto inoltre un confronto tra il cariogramma di *Pipistrellus kuhli* e quelli di *P. Pipistrellus* e *P. Nathusi* (BOVEY 1949). È stato anche fatto un confronto con i dati della cariometria di *Miniopterus schreibersii* (CAPANNA e CIVITELLI 1965).

Capanna, E., M. V. Civitelli and C. Spagnuolo (1968). Contributo alla cariologia del genere Myotis. Considerazioni sulla evoluzione del cariotipo dei Vespertilionidi (Mammalia-Chiroptera).

The karyogram of two Vespertilionid bats pertaining to the genus *Myotis* has been studied. In *Myotis myotis* (BORKHAUSEN) (vel *oxignatus* (MONTICELLI) the diploid number is 2n = 44 and the number of autosomic arms is 50. Indeed three pairs of autosomes are large metacentric chromosomes (average length = 1,7; centromere index = 44); all the remaining autosomes are acrocentric. No

autosome with an heterochromatic zone has been observed. The X heterochromosome is a medium sized metacentric chromosome, the Y heterochromosome is a small acrocentric one.

The karyogram of Myotis capaccinii (BONAPARTE) is very similar and the karyometric differences were not regarded as meaningful. Also in this latter species the diploid number is 2n = 44, and three pairs of large metacentric and one pair of small metacentric autosomes have been found. The remaining autosomes are acrocentric. No autosomes have been observed in the karyogram of *Myotis capaccinii* presenting an heterochromatic zone. X heterochromosomes present, in this species, the same morphology as in *Myotis myotis*. The Y chromosome is again a small acrocentric one.

A comparison between the karyograms of the mentioned two species pertaining to the genus *Myotis* with those of the species studied by BOVEY (1949) and by BAKER and PATTON (1967) gives prominence to the close similarity of the karyotypes of all the *Myotis* so far investigated, whether paleartic or neartic.

The comparison among the karyometric values gathered by us in the Vespertilionid bats stresses a cytotaxonomic difference, noticeable from the difference in the average length of the aploid female set, between Miniopterinae and Vespertilioninae.

The small metacentric chromosomes, that has been found in many other Vespertilionid bats, has been found again in the two species studied here. This observation confirms its place as a "morphologically identical" chromosome for the Vespertilionid bats. Another "morphologically identical" chromosome has not been observed here, that is the acocentric chromosome, showing an heterochromatic zone, which on the contrary was observed by us in *Pipistrellus savii* and *Pipistrellus kuhli* and also by DULIC et al. (1967) in *Nyctalus*.

E. stato esaminato il cariotipo di due Chirotteri: *Myotis (Myotis) myotis* (BORKHAUSEN) (vel *oxignatus* (MONTICELLI) e *Myotis (Leuconoe) capaccinii* (BONAPARTE).

Il cariogramma delle due specie viene ritenuto uguale e cosl composto:

1) Gruppo di 6 grandi cromosomi metacentrici
2) Gruppo di 18 cromosomi acrocentrici
3) 1 coppia di piccoli cromosomi metacentrici
4) Gruppo di 12 cromosomi acrocentrici
5) Gruppo di 4 cromosomi puntiformi.

Il cromosoma X che e un metacentrico medio e l'Y che e un piccolo acrocentrico.

Dei cromosomi acrocentrici nessuno presenta zone eterocromatiche.

Sono stati anche discussi i rapporti citotassonomici nell'ambito della famiglia dei Vespertilionidi.

Capanna, E. and M. G. Manfredi Romanini (1971). Nuclear DNA content and morphology of karyotype in certain Paleartic Microchiroptera.

Histophotometric evaluation of the DNA content of the post-kinetic nuclei (lymphocytes) has been performed in 8 species of Palearctic Microchiroptera: *Rhinolophus ferrumequinum, R. euryale, R. hipposideros, Miniopterus schreibersi, Pipistrellus savii, P. kuhli, Myotys myotis* and *M. capaccinii*. The results obtained are compared with the known data (CAPANNA and CIVITELLI 1970) on the morphology of the karyotype of these species and are discussed whith a view to explaining the relationships between chromosome transformations and variations in DNA content.

Considering the entire field studied, the nuclear DNA content is found to be fairly homogeneous: a fact that has been interpreted as proof that this taxonomic group has attained evolutional stability.

E stato valutato con il metodo istofotometrico il contenuto in DNA dei nuclei postcinetici (linfociti) di 8 specie di Microchirotteri Paleartici: *Rhinolophus ferrumequinum, R. euryale, R. hipposideros,*

Miniopterus schreibers, Pipistrellus savii, P. kuhli, Myotis myotis and *M. capaccinii*. I dati ottenuti sono stati confrontati con quanto e noto (CAPANNA e CIVITELLI 1970) sulla morfologia del cariotipo delle stesse specie e discussi in ordine a chiarire i rapporti tra trasformazioni cromosomiche e variazione di quantita di DNA.

Considerando l'intero ambito studiato il contenuto nucleare di DNA e risultato abbastanza omogeneo fatto che e stato interpretato come prova di una raggiunta stabilita evolutiva di questo gruppo tassonomico.

Carpenter, R. E (1986). Flight physiology of intermediate-sized fruit bats (Pteropodidae).

Up to eight physiological parameters were measured on members of four species of fruit bats with a size range of 0.188 - 0.650 kg as they flew in a wind tunnel. Regression lines were calculated for the relationships between body masses of bats and their power inputs (P_1), heart and respiratory rates. These were compared to similar relationships for flying birds.

Respiratory evaporation dissipated only 10% of the heat produced. At ambient temperatures (T_a) above 15°C, heat loss was facilitated by vasodilation of feet and wing membranes, but this mechanism became less effective at high T_a when thermal differential between wings and air was reduced. Bats are apparently unable to increase greatly their respiratory evaporation, and overheated at T_a of 25 - 30°C. At low T_a) the flight ability of two bats was reduced, suggesting that reduced coordination or even freezing of wings might be a general problem for bats flying at T_a close to 0°C.

The endurance of three bats was so much greater near the middle of their speed ranges that the maximum flight distances ought to be achieved at these velocities, even though the cost of transport would be lower at higher speeds. Endurance at an airspeed was proportional to the relative power input (P_i/P_{min}) raised to the power of -7.45; flying at a speed that raised P_i/P_{min} by 10 % reduced endurance by half.

Carroll, J. B. and A. T. C. Feistner (1996). Conservation of western Indian Ocean fruit bats.

The fruit bats of the western Indian Ocean islands are important components of these island ecosystems. Since fruit bats play key roles in the maintenance of tropical ecosystems as pollinators and seed dispersers, their continued survival may be of crucial significance for the maintenance of island forests. In turn the forests are important resources for the people of the region and protect vital watersheds. Continued survival of the western Indian Ocean fruit bats may thus be imperative for the conservation of the region's biodiversity. Many island endemics are susceptible to human-induced environmental degradation. In addition, most of the western Indian Ocean islands are affected by cyclones. These factors have led to the extinction of one species and five of the remaining 11 are threatened. Various strategies are being used to aid their conservation including captive breeding, education programmes and protection of wild populations.

Cassel-Beraud, A. M., D. Fontenille and L. Rabetafika (1989). Etude bactérienne, virale et parasitaire d'une population de chauves-souris *Chaerophon pumila* à Ahjiro, Madagascar.

Cette triple étude bactérienne, virale et parasitaire des chauves-souris *Chaerophon pumila* à Madagascar a permis aux auteurs de dénombrer, des feces de 88 de ces chauves-souris, 115 souches bactériennes appartenant à la famille des Enterobacteriaceae dont certaines sont très atypiques, rares ou potentiellement pathogènes pour l'homme.

La recherche de virus dans les glandes salivaires, le cerveau et le sang a permis l'isolement de 13 souches virales dont 8 au moins sont identiques au virus Dakar-bat.

Aucun parasite sanguin n'a été observé.

Bacterial, viral and parasitical study of the insect eater bats *Chaerophon pumila* in Anjiro, Madagascar.

This bacterial, viral and parasitical study of the insect eater bats *Chaerophon pumila* allowed to isolate, from stools of 88 of them, 115 bacterial strains to Enterobacteriaceae family : some of them were identified as very atypical, rare or potentially pathogenic for man.

From salivary glands, brain and blood, 13 viral strains were also isolated: 8 of them were less identified as Dakar-bat virus.

Any parasite was observed.

Chapman, R. F. (1958). Some observations on the food of a bat.

The food of a bat, probably *Nycteris thebaica* Geoffrey, in Tanganyika was determined by collecting the remains from beneath a roost. A wide variety of insects were eaten, depending on what was available. The number of insects eaten varied according to their abundance.

Chari, G. C. and A. Gopalakrishna (1984). Morphogenesis of the foetal membranes and placentation in the bat, *Miniopterus schreibersii fuliginosus* (Hodgson).

The development of foetal membranes and the changes in the structure of the placenta in the bat *Miniopterus schreibersii fuliqinosus* is described. The study reveals that *M. schreibersii fuliqinosus* exhibit developmental characters not matched by any other mammal let alone any other bat.

Chastel, C., H. Launay, G. Le Lay, H. Bailly-Choumara, H. Hellal, M. Valle, D. Bach-Hamba and J.-C. Beaucournu (1986). Petits mammifères sauvages et arbovirus dans la région du bassin méditerranéen occidental.

Les sérums de 1 083 petits mammiferes sauvages capturés entre 1976 et 1983 en Tunisie, Maroc, Espagne, Italie et Corse, ont été examinés pour rechercher la présence d'anticorps vis-à-vis de différents arbovirus. Ils ont été recueillis sur des bandelettes de papier buvard et traités au laboratoire en vue des réactions d'inhibition de l'hémagglutination et de fixation du complément.

Les résultats font apparaître un certain déclin de l'activité du virus West Nile dans l'ensemble de la région, alors que trois autres arbovirus se manifestent activement (virus Tahyna, de la fièvre à phlébotomes type Sicile et Arumowot).

De façon plus ponctuelle, on décèle aussi quelques réactions positives pour quatre virus transmis par des tiques (virus Bhanjà, Uukuniemi, Quaranfil et de l'encéphalite européenne à tiques).

Au point de vue mammalogique, les Muridae, Gerbillidae et Talpidae sont les plus fréquemment interessées par les réactions sérologiques positives. Ctenodactylus gundi et Pipistrellus kuhli, bien que capturés en nombre plus restreint, sont également souvent positifs.

Between 1976 ans 1983, we have studied sera from 1 083 small wild mammals trapped in Tunisia, Morocco, Spain, Italia and Corsica, in order to search for antibody against a number of arboviruses, belonging to several genera and serogroups.

The blood from trapped mammals was collected on blotting paper strips and was sent to the virus laboratory at ambient temperature. After that, the dessicated blood was eluted and treated for haemagglutination inhibition and complement fixation tests.

Results indicated that in the area as a whole, the activity of West Nile virus is somewhat declining, whereas three other arboviruses were emerging: Tahyna, Sicilian Sandfly fever and Arumowot.

Antibody for four tick-borne arboviruses: Bhanja, Uukuniemi, Quaranfil and Tick-borne encephalitis (european type) were alro detected but with a more restricted distribution.

From a zoological point of view, the species the most frequently found positive belong fo the Muridae, Gerbillidae and Talpidae families which were also the most frequently trapped. Ctenodactylus gundi and Pipistrellus kuhli, though trapped in a few specimens, were also frequently found positive. In epidemiological study of arbovirus infections, serosurveys in small wild mammals with blood collection using blotting paper strips, appeared as an interesting field method, easy to perform, not expensive and reliable. In countries where arboviruses were not previous!y studied, this method is able ta quickly supply basic informations, and in others where virological studies were more completely achieved, it may improve the inventory of the mammalian species involved in arbovirus circulation.

Cheesman, R. E. and M. A. C. Hinton (1924). LXII. On the mammals collected in the desert of Central Arabia by Major R.E. Cheesman.

The collection of mammals described in this paper was made by Major R. E. Cheesman in the Hasa Province and in the Jafura and Jabrin Deserts which form part of the Great South Desert of Arabia. The expedition was arranged by Sir Percy Cox, and was undertaken in response to an invitation from H.H. the Sultan of Nejd, with the object of investigating the desert-fauna of Central Arabia, which, owing to the inaccessibility of the country and the fanaticism of its inhabitants, was unknown. As might be expected in a district so widely different from the surrounding areas, many forms have proved to be new.

Generally speaking, the exceptionally pale desert-coloration is the most striking feature of the collection as a whole, and to match it to some degree one has to proceed far to the west, where, in the Air district of the Central Sahara, Capt. Angus Buchanan found some little time ago an extraordinarily pale assemblage of mammals. It is of interest, perhaps, to note that certain inferences as to the special habits of some of the numerous and competitive species of *Meriones* and *Jaculus*, found living together in close local association, derived independently from a study of the skull-structure, find confirmation in and in turn confirm the observations made in the field to a remarkable degree.

There is reason to suppose that the list given below would apply to the whole of the Great South Desert, there being, so far as is known, no physical barrier until the confines of the mountains, such as Aden and Yemen to the south and Muscat to the east, are reached, where markedly darker forms are known to replace the desert fauna. The entire absence of the mungoose, so plentiful in Iraq, and the replacement of the big dark Iraq hare by the small pale desert-coloured hare, give definite evidence as to the limits of range of each of the species concerned.

The types of all the new forms have been presented to the British Museum by Major R. E. Cheesrnan.

Cheke, A. S. and J. F. Dahl (1981). The status of bats on western Indian Ocean islands with special reference to *Pteropus*.

L'histoire et la condition actuelle des chauves-souris des îles de l'Ocean Indien occidental à l'exception de Madagascar, sont passées en revue. L'attention est attirée sur l'extinction total de *Pteropus subniger*, qui habitait l'Ile Maurice et l'Ile de la Réunion, et sur la rareté critique de *P. rodricensis* (Rodrigues) et de *Coleura seychellensis* (Seychelles granitiques). On n'a pas constaté l'existence de *Scotophilus borbonicus* (La Réunion) depuis un siècle mais l'espèce pourrait y exister toujours. *Pteropus livingstonii*, également fort rare, est signalé pour la première fois de l'Ile de Mohéli, archipel des Comores. Nous n'avons pas pu confirmer l'existence actuelle aux Comores de l'espèce endémique *Rousettus obliviosus* qui a été collectée pour la dernière fois en 1903.

Child, G. S. (1965). Some notes on the mammals of Kilimanjaro.

In this article a list of mammals recorded from the locality Kilimanjaro is presented. The locality Kilimanjaro includes a wide range of altitudes and habitats. The Kilimanjaro Game Reserve falls within the locality Kilimanjaro and is considered to be a unit whose mammal fauna is worthy of closer examination. The Reserve includes all that part of the mountain lying above the lower edge of the forest. Two main habitats are recognised within the area. The mammals occuring in each of the habitats are dealt with in more detail and information on their present status given where available. The validity of two previous occurence records from the higher altitudes is questioned.

Some larger species of restricted habitat occuring in the Kilimanjaro forest are listed and the probability of finding certain mammals recorded on other East African mountains is examined. Reference to such aspects as climate, vegetation, geography and geology of the mountain are purposely omitted or kept to a minimum as it is assumed that they will be the subjects of other papers in this Journal.

Chubb, E. C. (1908). 5. On some little-known South African mammals recently obtained in Rhodesia.

Among the 200 or so mammals that have been collected near Bulawayo or sent from further afield to the Rhodesia Museum during the last year are representatives of several rare species and one additional to the South African list.

Chubb, E. C. (1910). A revised list of the mammals of South Africa.

During the last ten years a considerable amount of attention has been paid by systematic mammalogists to South Africa and a number of valuable papers have been published. The most important of these is a series of ten based upon collections made by Mr. C. H. B. Grant in various parts of the sub-continent, and presented to the British Museum by Mr. C. D. Rudd, while our knowledge of the Chrysochloridæ has been greatly augmented by Dr. R. Broom's valuable monograph of the family.

This work has rendered Sclater's volumes on "The Mammals of South Africa," published in 1901, altogether out-of-date by the discovery of a number of new forms, and many names, which at that time were regarded as synonyms of others, have been shown to belong to distinct species; while not a few have been altered in order to conform to now recognised rules of nomenclature.

The object of the present paper is to give a list of the species at present known to occur in South Africa, south of the Zambesi and Cunene Rivers, with references to the original descriptions of all forms not recognised by Sclater. It comprises no less than 373 species and sub-species, (exclusive of the order Cetacea) which is 152 more than the number given in Sclater's work.

It is true that many of these recently described forms have been separated on somewhat slight differences, and many represent only local varieties; but it must be borne in mind that the work has been done on large series of excellently prepared material, carefully labelled with measurements taken in the flesh, when constant differences become apparent which would be taken for individual variation on single specimens from different localities.

Churchill, S. (K.), R. Draper and E. Marais (1997). Cave utilisation by Namibian bats: population, microclimate and roost selection.

Ten caves in central Namibia were searched for cave bats during May and June 1996. Up to seven species were found sharing a single cave. Different species of bats were found to select roost sites with significantly different microclimates, based on temperature and relative humidity. Bats were using

these caves as over-wintering sites and were selecting either cool microclimates in which to enter daily torpor or warm microclimates to enable them to remain active with minimal energy expenditure. *Hipposideros commersoni* was observed to remain inactive at the roost for days without entering torpor or leaving the cave to forage. This large bat appears to over-winter by relying on its considerable fat store at this southern limit of its distribution. Roost behaviour, colony size and roost location within the cave was examined for each of the nine bat species encountered.

Claessen, C. J. and F. De Vree (1990). Systematic and distributional notes on the larger species of the genus *Epomophorus* Bennet, 1836 (Chiroptera: Pteropodidae).

Based on morphologic, biometric and zoogeographic characters, *E. gambianus, E. crypturus* and *E. angolensis* are considered to be well defined species. *E. gambianus parvus* is a junior synonym of *E. crypturus* and *E. pousarguesi* is a junior synonym of *E. gambianus*. *E. wahlbergi* is first recorded for Sudan.

Claessen, C. J. and F. De Vree (1991). Systematic and taxonomic notes on the *Epomophorus anurus-labiatus-minor* complex with the description of a new species (Mammalia: Chiroptera: Pteropodidae).

Two groups are present in the *E. anurus-labiatus*-minor complex: a first group with an obvious clinal size variation, consisting of specimens formerly identified as *E. anurus, E. labiatus* and partly as *E. minor*, and a second group with no geographic variation in size consisting of specimens formerly identified as *E. minor*. These two groups obviously belong to two different species, mainly differing in body measurements. We identified the first group as representatives of *E. labiatus*. Since the type specimen of *E. minor* also belongs to this group, we concluded that E. minor DOBSON 1879 is a junior synonym of *E. labiatus* (TEMMINCK 1837). As a consequence no valid name is available for the second group. *E. minimus* n. sp. is described for this second group and a holotype is appointed with type locality Bahadu, Ethiopia.

Cockle, A., D. Kock, L. Stublefield, K. M. Howell and N. D. Burgess (1998). Bat assemblages in Tanzanian coastal forests.

Bat species lists were compiled in 17 small coastal forests of Tanzania, eastern Africa, between 1990 and 1992. Forty-six bat species were recorded, with up to 15 species in a single forest. Eight forests were sufficiently studied for comparisons to be made on species frequencies and species diversity. Regional diversity was 2.74, and local diversities ranged between 1.55 to 1.97. Many species were remarkably unevenly distributed. Records of biogeographical significance for Tanzania were: confirmations of *Myotis tricolor, Tadarida brachyptcra, Myonycteris relicta, Rhinolophus deckenii* and *Kerivoula Africana*, and first records of *Scotoplrilus nigrita alvenslebeni, Hipposideros Cyclops* and *Cloeotis percivali*.

Des Chiroptères ont été capturés dans 17 petites forêts côtières de Tanzanie, en Afrique de l'Est, entre 1990 et 1992. Quarante-six espèces ont été mises en évidence, avec jusqu'à 15 espèces dans une seule foret. Huit îlots forestiers ont été suffisamment étudies pour que des comparaisons des fréquences locales des espèces et des indices de diversité puissent être effectués. L'indice de diversité régional est de 2,74 et les indices locaux se situent entre 1,55 et 1,97. Beaucoup d'espèces sont reparties de façon remarquablement irrégulière. Les captures les plus intéressantes pour la Tanzanie sont: la confirmation de *Myotis tricolor, Tadarida brachyptera, Myonycteris relicta, Rhinolophus deckenii* et *Kerivoula africana*, et les premieres observations de *Scotophilus nigrita alvenslebeni, Hipposideros cyclops* et *Cloeotis percivali*.

Coe, M. (1972). The South Turkana Expedition. Scientific Papers IX. Ecological studies of small mammals of South Turkana.

During the three seasons of the RGS South Turkana Expedition the zoological party conducted an ecological survey of the small mammals. Other aspects of this programme will be described elsewhere. The main habitat types are described and the small mammal fauna is shown to be segregated between them. The role of microclimate in this habitat segregation is described. Breeding records indicate that the number of young produced by rodents may be dictated by rainfall and available food quality. An attempt is made to calculate the small mammal biomass for South Turkana, and the figure obtained (500 kg/km^2) represents 24 per cent of the large mammal biomass reported by Watson (1969). The zoogeography of the small mammal fauna indicates a strong connection with that of the Somalian arid zone.

Coe, M. (1976). Mammalian ecological studies on Mount Nimba, Liberia.

Le Mont Nimba est situé aux confins du Libéria, de la Guinée et de la Côte d'Ivoire. En 1964 et 1966, un relevé de la fauna de Mammifères a été réalisé sous les auspices de l'U.I.C.N. et de la L.A.M.C.O. qui est en train d'exploiter le mineral de fer à ciel ouvert et de faire disparaïtre ainsi une grande partie de la montagne. La géologie, le climat et les différents types de végétation sont décrits. Des mammifères vivants et morts on été pris au piège; certaines des plus grandes espèces ont été achetées à des chasseurs Mano. Les mégachiroptères ont été capturés à l'aide de filets fins. 8 327 pièges ont été posés et 55 espèces (sur 88 qui existent probablement) ont été observées ou capturées. L'auteur décrit l'habitat des différentes espèces de rongeurs; il pense que les habitats secondaires créés par l'homme sont responsables de l'accroissement marqu" de la densité de certaines espèces.

Sous forme d'une liste systématique, l'auteur donne des informations sur la répartitlion géographique, le régime alimentaire et la reproduction des espèces collectées. Il discute l'influence de la pression humaine et des exploitations minières et forestières sur la faune endémique.

La structure de la faune des mammifères est étudiée en fonction des principaux régimes alimentaires. L'auteur montre que les espèces prédatrices peuvent représenter 40 % de l'ensemble de la faune comme c'est le cas dans les habitats semblables des forêts hygrophiles de Malaisie, de Bornéo et d'Australie.

Des informations numériques sur les collections de mammifères libériens du Mont Nimba sont données en appendice.

Coetzee, C. G. (1981). Distribution patterns of terrestrial mammals in South West Africa / Namibia. Abstract.

In order to obtain a better understanding of the distribution patterns of the different mammal species and their zoogeographical affinities, necessitates a comparison between the faunal composition of the different ecogeographical areas. Twelve ecogeographical areas were identified which include one semi-isolated mountain area. The riverine growths of the four bordering river complexes were additionally considered as being corridors that lead from adjoining regions into vastly different geomorphological and climatic areas.

Delimitation of the ecogeographical zones are based on plant communities (Giess, 1971 and Keay, 1959) and on geographical and physiographical features (sand cover, gravel plains, saline desert, the Karstveld, mountain ranges and swamps). The different species of terrestrial mammals, with the exclusion of the bats, were used in a matrix showing the relationship between the faunas of the areas by listing the species common to the different areas. These values were used to calculate the different correlation coefficients in determining the Faunal Resemblence Factor of Duellman (1965).

SWA/N falls within three of the zoogeographical zones of southern Africa as defined by Rautenbach (1978). The validity of and relationship between the different ecogeographical areas as faunistic

entities are being questioned, both on an interarea basis and in relation to the three zoogeographical zones.

Constantine, D. G. (1998). An overlooked external character to differentiate *Myotis californicus* and *Myotis ciliolabrum* (Vespertilionidae).

The observation of a perceived 4-mm tail extension beyond the border of the interfemoral membrane of the western small-footed myotis, *Myotis ciliolabrum*, and the absence of the free tail in the California myotis, *Myotis californicus*, stimulated a quantitative study to determine if the tail character could be verified as a consistent external criterion to differentiate these similar species. Existing study skins were unsuitable for this purpose, because the tail character had been destroyed or distorted by replacement of the tail vertebrae with wire. Twenty-three *ciliolabrum* and 22 *californicus* were collected in the Mojave Desert of California and prepared as study skins with tail vertebrae in situ. Examination of these specimens, identified by conventional methods, confirmed that the exserted tail was characteristic of *ciliolabrum*. Original descriptions, usually based on specimens preserved in alcohol, indicated that the tail character was recognized in ciliolabrum over a century ago.

Corbet, G. B. (1984). The mammals of the Palaearctic region: a taxonomic review. Supplement.

Published information supplementing that given in *The mammals of the Palaearctic Region: a taxonomic review* (London: British Museum (Natural History), 1978) is summarized, including details of all new names not included in that work, revisionary work affecting the delimitation of species, comprehensive accounts of subspecific variation and major revisions of distribution. No new names are proposed in this work.

Corbet, G. B. and J. E. Hill (1992). The mammals of the Indomalayan Region: A systematic review.

The Indomalayan (Oriental) Region has been recognized for over a century as one of the major zoogeographical regions of the world, with about a thousand species of mammals, over 20 per cent of the world's mammalian fauna. However, there appears to have been no previous attempt to produce a comprehensive, integrated account of its mammal fauna. Hitherto, four separate nomenclatorial lists have together covered the region, all of them now very out of date but nevertheless providing a valuable foundation for the present work. These are:

Ellerman & Morrison-Scott (1951, 1965): *Checklist of Palaearctic and Indian mammals 1758-1946*, which covers the region north of 10°N, i.e. north of the Isthmus of Kra in peninsular Thailand.

Chasen (1940a): *A handlist oj Malaysian mammals*, covering the Malayan peninsula and the Greater Sunda Islands except Palawan.

Laurie & Hill (1953): *List of land mammals of New Guinea, Celebes and adjacent islands, 1758-1952*, covering all the Indonesian islands not dealt with by Chasen.

Taylor (1934): *Philippine land mammals*.

Except for Taylor's work on the Philippines these did not purport to provide descriptions nor, with some exceptions, keys to identification, but they did provide a valuable stimulus for further taxonomic work by postulating the limits of species, by pinpointing gaps and by erecting hypotheses of relationships that could be subjected to testing as new information became available. However, the research that has been conducted during the past 50 years has for the most part been highly fragmented and localized. Some of the results have been summarized in a few important regional works but there are many gaps.

Our objective in compiling this work has been to bring together in one place an account of every species of mammal in the region, documenting the names and synonyms in full, and placing them within a taxonomic framework that takes account of all relevant published research. The order Chiroptera (bats) has been dealt with by JE Hill, based largely upon research undertaken while on the staff of The Natural History Museum, London. The remaining orders and the Introduction have been dealt with by GB Corbel, based primarily upon a critical review of the existing literature, but the results have been tested and many gaps filled by use of the extensive collections of The Natural History Museum, supplemented by visits to many other museums with important collections of Indomalayan mammals. We have scrutinized and criticized each other's text but the taxonomic opinions expressed are those of the individual author.

About 7000 scientific names are documented (including c.340 based upon fossils described in Recent genera), with type localities in the case of species-group names. These are backed up by a bibliography of about 3000 items covering the original citation of all names as well as relevant, recent research.

Ideally, this kind of synthesis should be based upon more detailed syntheses of the component countries of the region and upon more detailed revisions of particular taxa, without artificial geographical limitations. Very few modern sources of this kind exist and for many groups we have had to depend upon a mixture of primary, and more or less obsolete and incomplete, secondary sources.

There is nothing definitive about this volume - it is a presentation of the current state of our knowledge, using our personal judgement and experience to choose the 'most probable' solution where alternative views have been expressed or where, as is so often the case, there are many alternative ways of combining the scattered data into an integrated whole. We hope that it will serve a useful purpose for reference and also act as a stimulus to further research that will show where we have gone wrong.

Cosson, J. F., M. Tranier and F. Colas (1996). On the occurrence and possible migratory behaviour of the fruit bat *Eidolon helvum* in Mauritania, Africa.

The pteropodid bat *Eidolon helvum* (Kerr 1792) is recorded for the first time in Mauritania, this is one of the northernmost record for a member of this family in West Africa, and add some information on its probable migratory behaviour.

Distribution et comportement migratoire possible de la chauve-souris *Eidolon helvum* en Mauritanie Afrique.• Cette espèce de Pteropodidae est signalée pour la première fois en Mauritanie, c'est un des point les plus au nord pour un membre de cette famille en Afrique de l'Ouest. Des informations sur son comportement migratoire probable sont ajoutées.

Cotterill, F. P. D. (1996a). New distribution records of insectivorous bats of the families Nycteridae, Rhinolophidae and Vespertilionidae (Microchiroptera: Mammalia) in Zimbabwe.

The distributions of twelve species of insectivorous bats in Zimbabwe are reviewed in light of numerous new specimens which constitute significant range extensions. The first known specimens of *Pipistrellus anchietai* and *P. melckorum* are reported from Zimbabwe.

Cotterill, F. P. D. (1996b). New distribution records of free-tailed bats (Microchiroptera: Molossidae) in Zimbabwe.

New distribution records are presented for five species of free-tailed bats from Zimbabwe; and many of the specimens examined constitute significant range extensions. These include the first known specimens of *Tadarida ventralis* from Zimbabwe and two additional specimens of *T. lobata*.

Cotterill, F. P. D. (1998). Female reproduction in two species of tropical horseshoe bats (Rhinolophidae) in Zimbabwe.

Female reproduction was studied in sympatric populations of two species of African horseshoe bats in a seasonal tropical environment of central Zimbabwe. Both *Rhinolophus simulator* and its largest African congener, *R. hildebrantii*, were monotocous and monestrous, and reproduction was highly seasonal. In 3 consecutive years, *R. simulator* gave birth consistently later (15 - 20 days) than *R. hildebrantii*, and early embryonic development was retarded in the smaller *R. simulator*. Copulations occurred during June and July of the cool-dry season, and both species gave birth to single offspring during separate synchronized periods of parturition at the start of the wet season. Lactation in both species coincided with the period of maximal rainfall, but the weaning period of *R. hildebrantii* was distinctly long.

Cotterill, F. P. D. and R. A. Fergusson (1993a). Capturing free-tailed bats (Chiroptera: Molossidae): the description of a new trapping device.

This paper reviews methods suitable for the capture of African free-tailed bats. The most successful approach is to trap molossids as they leave their daylight roosts. Traps constructed from polythene sheeting on an aluminium frame are most suitable. This design permits flexibility: traps can be easily constructed and rapidly adapted to different situations. The construction and operation of a new mobile trap is described in detail. The effectiveness of this technique for capturing some *Tadarida* species from their inaccessible roosts is discussed and compared with conventional methods.

Cotterill, F. P. D. and S. R. Giddings (1987). Observations on the activity patterns of the lesser yellow house bat, *Scotophilus viridis*.

The activity patterns of the lesser yellow house bat, *Scotophilus viridis*, were observed during December 1984. Whilst the activity patterns of the species as a whole were in agreement with published data, significant differences between the activity patterns of males and females were found. The majority of females were active between 19h00 and 21h00, whilst the activity of males peaked between 21h00 and 22h00.

Die aktiwiteitspatrone van *Scotophilus viridis* is gedurende Desember 1984 waargeneem. Hoewel die aktiwiteitspatrone van die spesies in geheel in ooreenstemming was met gepubliseerde data, is betekenisvolle verskille gevind tussen die aktiwiteitspatrone van mannetjies en wyfies. Die meerderheid wyfies was aktief tussen 19h00 en 21h00, terwyl die mannetjies tussen 21h00 en 22h00 aktief was.

Coulanges, P., Y. Robin, G. Le Gonidec, A. Mayoux and R. Bordahandy (1974). Chiroptères et arbovirus à Madagascar (Isolement de souche de virus Dakr-bat, etude sérologique de Chauves-souris frugivores).

Les auteurs rapportent l'isolement de (leux souches de virus-Dakar-bat, à Madagascar, à partir de chauves-souris insectivores. Ce virus a pu être adapté sur cellules (BHK.21.C.13 et HeLa). L'étude en inhibition de l'hémagglutination de 101 sérums de chauves-souris frugivores *Pteropus rufus* a également permis de montrer la circulation des arbovirus Sindbis et Chikungunya dans le' groupe A et West-Nile, Wesselsbron dans le groupe B.

Courts, S. E. (1996). Insectivory in two species of fruit bat: *Pteropus livingstonii* and *P. rodricensis*. Abstract.

Two fruit bat species of the genus *Pteropus*. Livingstone's fruit bat *P. livingstonii* and the Rodrigues fruit bat *P. rodricensis* have been observed in captivity actively catching and eating insects. Both species adopt the same technique to trap flying insects using their wings to envelop them. The capture position was assumed within 0.84 seconds (± 0.09) of the bat becoming aware of the insect, and its spontaneity indicates that the response is not an artefact of captivity. The behaviour was observed in captive-bred *P. rodricensis* which had no prior access to insects, suggesting that it is innate. A higher rate of successful captures was recorded for an older. wild-caught *P. livingstonii* female, indicating that the effectiveness of the technique used improves with age. Significant differences in the amount of time spent catching insects by males and females were evident in this species. This study supports suggestions that insects are eaten by some megachiropterans in order to supplement their protein intake, and has implications for the behavioural enrichment and nutrition of captive bats.

Cowles, R. B. (1936). Notes on the mammalian fauna of Umzumbe Valley, Natal, South Africa.

The following data were collected during a stay of 18 months in the Umzumbe Valley, where the writer was engaged in procuring detailed information regarding the life histories of certain birds and one reptile, the Nile monitor. While continuing this work, especial efforts were made to obtain as complete an understanding of the vertebrate fauna as possible, and it was in the pursuit of this objective that the present data were accumulated.

South Africa is an exceedingly large territory and while the topography and possibly the smaller mammals will remain unchanged for many decades, some of the sections, notably those in the less desirable locations that have been allotted to the natives, are undergoing a process of rapid alteration, because of the activities of the inhabitants in building houses, cultivating the hillsides, and herding grazing animals over the steep slopes. In many areas erosion is becoming a serious menace.

The studies here set forth were made in the confines of the Umzumbe River Valley in a section approximately 12 miles by road from the railway station named after the river. The Umzumbe River flows in a northwesterly direction. Twelve to 16 miles from the river mouth the valley lies behind high barriers of hills which cut off the tempering winds of the sea. Although rainfall is somewhat less abundant in these protected valleys, the xerophytic character of the vegetation is predominantly the result of insolation, the closed nature of these deep valleys, the consequent heating of the air, and the presence of strong reflections from neighboring surfaces.

The sections of the Umzumbe Valley allocated to natives (and they are badly over-crowded) are rapidly being denuded of all cover, either by direct human action or indirectly by the herds of cattle and the far more pernicious flocks of goats. As cattle suffer from depletion of their food supply, the natives keep an increasing proportion of goats, thus starting a vicious cycle which only can terminate in complete denudation of these areas. Other valleys and other native locations are faced with the same problems.

The native faunas of these districts suffer from the changes even before they become obvious to those interested only in the economic phases, and when these notes were being compiled, it was observed by native helpers that many animals which they had considered common a few years before, had practically disappeared.

During the 7 years that have elapsed between the collection of my specimens and notes, and the date of this writing (1935), floods and drought have played their part in affecting the terrain, and where dense bush once formed ample cover to shelter bush-buck and duiker, there remain now only small remnants through which a man can walk erect and see clearly for many yards in every direction. Only on the private estates farther inland, on crown lands, and along the valley nearer the sea, are conditions at all comparable to those once found in the area under consideration.

Crawford-Cabral, J. (1966). Quatro formas de mamíferos novas para Angola.

O autor cita *Eptesicus hottentotus pallidior* pela primeira vez para Angola. Cita também o género *Pronolagus*, classífica os animais dos distritos da Huila e de Moçâmedes na subespécie *Pronolagus*

caucinus waterbergensis e resume a situação taxonómica das formas deste género no Sudoeste Africano. Descreve para as planícies do Morro do Camelo, distrito do Moçâmedes, uma nova subespécie, *Petromus typicus coetzeei*. Cita, por último, a Suricata para a regíão que se situa entre os rios Curoca e Cunene, classificando a na forma. *Suricata suricatta hahni*.

L'auteur cite l'*Eptesicus hottentotus pallidior* pour la première fois en .Angola. II cite aussi le genre *Pronolagus*, classifie les animaux des districtes d'Huila et de Moçâmedes dans la sous-espèce *Pronolagus caucinus waterbergensis*, et fait un abrégé sur la situation taxanomique de ce genre dans le Sudouest Afrícain. L'auteur décrit une nouvelle sous-espèce, *Petromus typicus coetzeei*, pour les plaines de "Morro do Camelo", dans le district de Moçâmedes. Enfin, il cite la Suricate pour la. région que se trouve entre les fleuves Curoca et Cunene et la classifie de *Suricata suricatta hahni*.

Eptesicus hottentotus pallidior is recorded for the first time, from Angola. *Pronolagus* occurs in Angola, the specimens from the Huila, and the Moçâmedes districts beeing regarded as to belong to the subspecies *Pronolagus caucinus waterbergensis*, and a summing up on the taxonomíc situation of *Pronolagus* in the South-West Africa is done. A new subspecies *Petromus typicus coetzeei*, is described from the "Morro do Camelo" plains, in the Moçâmedes district. Finaly. the Suricate is recorded from the country between the Curoca and Cunene rivers, under the name of *Suricata suricatta hahni*.

Crawford-Cabral, J. (1989). A list of Angolan Chiroptera with notes on their distribution.

Sixty one taxa of bats (most of them species) are listed for Angola. The collecting localities cited in the literature are mentioned for each of them, as well as the material examined, housed in the ex-Centro de Estudos do Lubango, Angola (a department of the ex-Instituto de Investigação Científica de Angola), and in the Centre de Zoologia of the Institute de Investigação Científica Tropical, in Lisbon. Notes on distribution are also given for many of the taxa. The list is accompanied by distributional maps and is preceded by some introductory zoogeographical considerations.

Constam desta lista sessenta e um táxones de morcegos de Angola (a maior parte dos quais são espécies), sendo mencionadas, para cada um deles, as localidades de colheita citadas na literatura, assim como o material observado, pertencente ao ex-Centro de Estudos do Lubango, Angola (departamento do ex-Instituto de Investigação Científica de Angola), e ao Centro de Zoologia do Institute de Investigação Científica Tropical, Lisboa. Para muitos desses táxones foram acrescentadas notes sobre a sua distribuição. A lista é acompanhada de mapas de distribuição e precedida de algumas considerações introdutórias de ordem zogeográfica.

Crick, J., G. H. Tignor and K. Moreno (1982). A new isolate of Lagos Bat virus from the Republic of South Africa.

In 1980, a virus isolated from a bat in Natal, Republic of South Africa, was initially identified in the fluorescent antibody test as rabies virus. We have now shown this isolate to be Lagos bat virus. The possible epizootiological significance of this finding is discussed.

Cumming, G. S. and R. T. F. Bernard (1997). Rainfall, food abundance and timing of parturition in African bats.

We used published results from studies in Africa to test the hypothesis that the timing of parturition in the Chiroptera is constrained by rainfall. Comparison of year-round rainfall and insect data at various latitudes showed that insect abundance peaks approximately a month after peak rainfall. A similar comparison of parturition time to rainfall showed that with the possible exception of the molossids, the Microchiroptera commonly give birth a month before peak rainfall. With an average 6-week lactation period in the Microchiroptera, the timing of parturition is such that young bats are weaned just before the period of maximum insect abundance. We suggest that the needs of the young in this post-weaning

period may be more important than the energetic demands of lactation on the mother in determining the timing of parturition on an evolutionary scale. A similar conclusion is implied for the African Megachiroptera, but there is insuffient information on their reproduction to adequately test the main hypothesis for these bats.

Cunneyworth, P. [Ed] (1996a). Kwamarimba Forest Reserve. A biodiversity survey.

Kwamarimba forest reserve is situated in the East Usambara mountains in north-east Tanzania. The East Usambaras form part of the mountain chain called the Eastern Arc which ranges from southern Kenya to southern Tanzania. These mountains are known for their rich floral and faunal diversity and high levels of species endemism (Hamilton, 1989). To investigate further this biodiversity, a biological survey of Kwamarimba forest reserve was conducted with a socio-economic component between October and December 1995 for a total of 51 research-days.

This report summarises the findings of the survey in terms of floral and faunal inventories. Notes on ecological requirements and degree of endemism for each species is presented to provide an indication of the number of (a) forest dependent species as opposed to forest non-dependent and non-forest species; (b) threatened and rare species (based on IUCN 1994 criteria) and (c) endemics and near-endemics to the Usambara mountains. These are presented so as to highlight the importance of Kwamarimba forest reserve in a national and international context. These three categories are then combined to assess which species are considered at high risk of becoming locally extinct if the forest continues to be further degraded and fragmented.

The survey identified 165 species of tree and shrub, 16 species of mammal, 11 species of bird, 17 species of reptile and 11 species of amphibian.

Flora

Four tree species are endemic to the Usambara mountains and 39 which have restricted ranges limited to the Eastern Arc and/or East African lowland forests. Thirty-seven species are dependent on primary forest, and of these species, 14 were also endemic or near endemic to the Usambara mountains. Twenty non-forest tree and shrub species are established within the reserve boundaries.

Species of particular interest encountered during this survey included:

Cola usambarensis, Cynometra brachyrrhachis, and *Cynometra longipedicellata* are wet evergreen forest trees, endemic to the East Usambara mountains recorded in the reserve. The first two were recorded twice and the latter 15 times;

Rinorea angustifolia, a wet evergreen forest tree, endemic to the East and the West Usambara mountains was recorded once in the reserve;

Sapium armatum, a small dry forest tree, previously recorded as a coastal endemic, is a new record for the region (FTEA);

Nesogordonia holtzii is considered a coastal endemic tree. The occurrence of this species in the Usambaras may represent a range extension however the full description of this species has yet to be published.

Fauna

Three faunal species were recorded which are endemic to the Usambara mountains and fourteen species were recorded as near-endemics, having restricted ranges limited to the Eastern Arc and/or East African lowland forests. Twenty species are dependent on primary forest, and of these species, 15 are also endemic or near endemic to the Usambara mountains. One non-forest species is established in the reserve.

Species of particular interest encountered during this survey include:

Typhlops pallidus, the pallid blind snake, known from Sudan, Kenya and Zanzibar. This is the first record from the Tanzanian mainland;

The Usambara eagle owl, *Bubo vosseleri*, and the Southern hyliota, *Hyliota australis* spp. *usambarae*, were recorded in the reserve. Both are endemic to the Usambara mountains. The former, is a CITES II species, also considered 'Vulnerable' by IUCN;

Mertensophryne micranotis is listed as 'Endangered' by IUCN;

Sheppardia gunningi, Bubo vosseleri, Philothamnus macrops, Elapsoidea nigra, Rhampholeon brevicaudatus, Bufo brauni, Leptopelis barbouri, and *Scolecomorphus vittatus* are listed as 'Vulnerable' by IUCN;

Chamaeleo melleri, Swynnertonia swynnertoni and *Rhynchocyon cirnei* spp. *petersi* are listed as 'Near-threatened' by IUCN.

Soils

The soils of Kwamarimba are typical of other soils studied in the East Usambaras. Human disturbance was found to be a major contributing factor to the differences in soil type. These differences are mainly in respect to nutrient status. Due to the tight nutrient cycle of the forests, this likely affects the vegetation the soil is able to sustain.

Disturbance

The highest level of pole and timber extraction recorded in the reserve was located on the transect which runs near to the central area of the reserve. This transect is characterised as mature mixed forest away from the reserve boundaries with areas of grassland and open/disturbed forest toward the boundaries. Trapping was not conducted on this transect therefore it is not possible to determine the extent the disturbance has on presence or absence of zoological species.

Socio-economics

The people living in the area of Kwamarimba forest reserve do not appear to understand the advantages of the forest reserves. They are given little information and education about the reserves and are thus unlikely to change their attitudes and consequently behaviour which have a direct impact on the forest, its' quality and long-term sustainability.

Cunneyworth, P. [Ed] (1996b). Kambai Forest Reserve: A biodiversity survey.

Kambai forest reserve is situated in the East Usambara mountains in north-east Tanzania. The East Usambaras form part of the mountain chain called the Eastern Arc which ranges from southern Kenya to southern Tanzania. These mountains are known for their rich floral and faunal diversity and high levels of species endemism (Hamilton, 1989). To investigate further this biodiversity, a biological survey of Kambai forest reserve was conducted with a socio-economic component between January and March 1996 for a total of 52 research-days.

This report summarises the findings of the survey in terms of floral and faunal inventories. Notes on ecological requirements and degree of endemism for each species is presented to provide an indication of the number of (a) forest dependent species as opposed to forest non-dependent and non-forest species; (b) threatened and rare species (using IUCN 1994 criteria) and (c) endemics and near-endemics to the Usambara mountains. These are presented to highlight the importance of Kambai forest reserve in a national and international context. These three categories are then combined to assess which species are considered at high risk of becoming locally extinct if the forest continues to be further degraded and fragmented. The survey identified 162 species of tree and shrub, 36 species of mammal, 11 species of bird, 18 species of reptile and 15 species of amphibian.

Czekala, N. M. and K. Benirschke (1974). Observations on a twin pregnancy in the African Long-tongued fruit bat (*Megaloglossus woermanni*).

This paper presents the findings of twin embryos of differing size in *Megaloglossus woermanni*. The possibilities for the cause of this unusual size difference are explored. Due to the excellent preservation of tissues in both embryos, the lack of any serious abnormalities in the small twin, and the age difference as determined by kidney sections, we have concluded the small twin to be superfetated.

Dalquest, W. W. (1965). Mammals from the Save River, Mozambique, with descriptions of two new bats.

During October 1963, 325 specimens of mammals were obtained from the Save River area, Mozambique, mostly near the hunting camp of Zinave, midway between the Indian Ocean and the Southern Rhodesian boundary. *Nycteris vinsoni* and *Scotophilus alvenslebeni* are described as new, *Triaenops persicus* is recorded from southern Africa for the first time, and data are provided concerning 51 other kinds of mammals, most of which are represented by specimens.

Dalquest, W. W. (1968). Additional notes on the mammals from Mozambique.

In October 1963, an expedition sponsored by Mr. Jerry Vinson obtained a collection of mammals from the Save River region of Mozambique. The bulk of this collection was taken at Zinave, a hunting camp on the south side of the river located approximately midway between the Indian Ocean and the Rhodesian boundary. The results of the first collection have been reported (Dalquest, J. Mamm., 46: 254-264, 1965).

In October 1965, a second expedition to the Save River was sponsored by Mr. Vinson. Personnel included Mr. and Mrs. Vinson, the writer, several white hunters, and numerous native helpers in the employ of Mozambique Safarilandia. Baron Werner von Alvensleben, Director of Mozambique Safarilandia, offered every assistance in making our work successful.

The base camp was again at Zinave, and additional mammals were taken there. Major efforts were directed to collecting at Panzila, a hunting camp midway between Zinave and the Rhodesian boundary. The specimens taken there are labeled "Panzila, 166 km S, 200 km W Beira, Mozambique." Although Panzila is at a considerable higher elevation than Zinave, it is still well east of the highlands along the Rhodesian boundary. Surroundings are essentially similar to those at Zinave. Major differences are the higher gradient of the Save River, low riverside cliffs of conglomerate, and some extensive but low cliffs of conglomerate capping the hills.

Large and small mammals were abundant both at Zinave and at Panzila. However, little time was spent in preparation of the specimens that duplicated the 1963 collection, so that more time might be spent in the field. The following specimens were obtained.

Davis, D. H. S. (1957). Studies on Arthropod-borne viruses of Tongaland. III. The small wild mammals in relation to the virus studies.

Fifteen species of small mammals were studied in the Lake Simbu area of Tongaland during April and May, 1955. Blood specimens were obtained from 10 of these species for immunological studies. Neutralisation tests with 4 viruses isolated in Tongaland gave negative results. Owing to the small number of samples tested no conclusion can be drawn from these results.

Dean, W. R. J. (1975). *Tyto alba* prey in South West Africa and the Northern Cape.

Ten collections of barn owl (*Tyto alba*) pellets from four localities in South West Africa and four collections from three localities in the northern Cape have been analyzed. Localities of the barn owl roosts and pellet collection sites are listed below.

De Beaux, O. (1922a). Mammiferi abissini e somali.

Ho riunito I mamm. Riportati dal Cap. Carlo Citerni, comandante la missione par la delimitazione tra la Somalia e l'Etiopia, V. 1908 - I. 1912, con quelli donati dal sig. Virginio Romano Scotti, del Setit, Eritrea, 1908. Questi ultimi, contrassagnati con R., constituiscono una lodevolissima raccolta di caccia grossa; i primi comprendono 41 specie o sottospecie, 4 della quali appaiono nuove. È nuova anche la decriz. del cranio di *Galao gallarum*, Thos.. La località "Dolo" va intesa in senso molto ampio e prevalentemente come "in marcia verso o da D."

De Beaux, O. (1922b). Collezioni zoologiche fatte nell'Uganda dal Dott. E. Bayon. XVII. Mammiferi. Parte II. Chiroptera.

I Chirotteri trattati nel presente lavoro constituiscono un contributo alla conoscenza della Mammalofauna del Lago Vittoria e particolarmente delle sue isole. Il materiale risulta di 23 specie o sottospecie in 1172 esempl., interni in alcool. Numero di catalogo tra parentesi.

De Beaux, O. (1923). Di alcuni Chirotteri africani del Museo civico di Milano.

Il presente lavoro è basato su alcuni Chirotteri africani che il Dott. B. Parisi, Direttore della Sezione di Zoologia, gentilmente mi affidò in istudio. Sentitamente ringraziando, sono lieto di potere constatare che la piccola, ma fortunata raccolta, dovuta in massima parte al BARONE L. FRANCHETTI et al COMM. L. TONKER, serve ad amplificare le cognizioni in materia. Le due località spesso citate di *Archers Post* et *Bulessa* si trovano sul fiume Guaso Nyiro settentr. Vicino allo sbocco del fiume Lakiundu, a Nord del monte Kenia nell'Africa orient. Inglese.

De Beaux, O. (1924). Mammiferi della Somalia Italiana raccolta del maggiore Vittorio Tedesco Zammarano nel museo civico di Milano.

Le spedizioni del Maggiore Vittorio Tedesco Zammarano Vittorio nella Somalia meridionale 1915-16 e 1921-22 (vedi ZAMMARANO, Impressioni di caccia in Somalis Italiana, Milano, 1921, e PARISI, Natura, Milano, XIV, Fasc. 1, 1923, p. 17-19) hanno dato un validissimo contributo alle nostre cognizioni sui mammiferi della Somalia italiana.

Mentre infatti, in base a materiale riportato da precedenti esploaratori non si registravano per il territorio italiano che 21 specie, oggi se ne elencano 87, delle quali 78 sono accuramente studiate su materiale assicurato in Musei italiani.

Mi è grato porgere al Dott. Bruno Parisi, l'attivo Direttore delle Sezione Zoologica del Museo Civico di Storia Naturale in Milano, i miei sentiti ringraziamenti per l'incarico affidatomi di studiare il cospicuo materiale mammalogico, dall'intelligente ed instancabile raccoglitore donato a codesto Museo.

Delle 43 forme riportate dallo Zammarano, 1 specie e 2 sottospecie risultatno nuove per la scienza. Molte altre porsero occasione a numerose ed utili considerazioni.

De Beaux, O. (1934). Mammiferi raccolti dal Prof. G. Scortecci nella Somalia Italiana Centrale e Settentrionale nel 1931.

La spedizione Scortecci nella Somalia Italiana (Bibl. 45 e 36) può dirsi molto fruttuosa per la conoscenza della Mammalofauna di questa nostra colonia, risultato particolarmente meritorio, se si riflette che la Somalia centrale e settentrionale costituiscono una zona faunisticamente piuttosto povera.

Lo Scortecci ha riportato 39 specie o sottospecie di Mammiferi cosi suddivise : 2 Primati, 13 Chirotteri, 5 Carnivori, 15 Roditori, 4 Ungulati.

Di questi 39 Mammiferi, 12 provengono dalla Somalia Italiana meridionale e precisamente 2 Primati, 6 Chirotteri, 1 Carnivoro, 3 Roditori.

Tra i 12 Mammiferi somali meridionali si trovano: 1 nuova specie di Topo spinoso, dono di E. Bovone (*Acomys bovonei*, spec. nova); "1 "bell'esemplare del notevole Chirottero *Glauconycteris*, dono del Governatore di allora Dott. G. Corni (*Gl variegata phalaena*, Thomas), 1 *Epomohiorus anurus*, Heuglin, ed 1 *Jaculus jaculus vulturnus* Thomas, che rappresentano 4 nuove acquisizioni per la Mammalofauna di quella zona.

Dei 27 Mammiferi riportati dalla Somalia Italiana centrale e settentrionale, 1 risulta appartenere ad una sottospecie nuova : *Heterocephalus glaber scorteccii*, fatto assai notevole, in quanto che questa forma sembra essere in realtà l'unica che non rientra nella tipica *glaber glaber*, Rüppell.

Dei rimanenti 26 Mammiferi non meno di 14 rappresentano acquisizioni nuove per la Mammalofauna della nostra Colonia, 12 delle quali sono da ritenersi proprie della Somalia Italiana centrale e settentrionale, in comune colla Somalia Britannica.

Le 18 forme che col presente lavoro vengono introdotte nella Mammalofauna della Somalia Italiana sono:

DeBlase, A. F. (1972). *Rhinolophus euryale* and *R. mehelyi* (Chiroptera, Rhinolophidae) in Egypt and southwest Asia.

Various criteria which have been used to distinguish between *Rhinolophus euryale* and *R. mehelyi* are presented. Of these lancet shape and certain cranial measurements (particularly zygomatic width) are shown to be the most reliable for specimens from southwest Asia. Both species are shown to be present in the USSR, Turkey, Iran, and Israel and both are shown to occur in the same caves in Iran. Only *R. mehelyi* is reported from Egypt and Cyprus. Several new locality records are given for Iran and *R. mehelyi* is reported for the first time from Iran, Israel and Jordan.

Decher, J. (1997). Bat community patterns on the Accra Plains of Ghana, West Africa.

Bat communities were sampled with mist nets at eight localities on the Accra Plains and two localities in the Northern Region of Ghana. I encountered five species of fruit bats (Pteropodidae) and 26 species from seven families of Microchiroptera in a total of 252 bats netted.

Glauconycteris poensis, Hipposideros cyclops, and *H. abae* were caught only in sacred groves protected by traditional law, whereas *Taphozous perforatus* was netted only near rocky cliffs in the legally protected Shai Hills Resource Reserve. *Myonycteris torquata* and *Myotis bocagei* were caught only at the edge of experimental forest plots in the northeastern part of the Accra Plains near the lower Volta River. There was a statistically significant negative correlation between canopy cover and bat species abundance and diversity.

Relatively open savanna at Shai Hills located close to bodies of water apparently had the greatest diversity and abundance of bats. The diversity of bats on the Accra Plains slightly exceeded published data from other savanna regions in West Africa.

Decher, J., D. A. Schlitter and R. Hutterer (1997). Noteworthy records of small mammals from Ghana with special emphasis on the Accra Plains.

In this paper we describe new or additional records of four species of shrews (Soricidae), nine species of bats (Hipposideridae, Vespertilionidae, Molossidae), and one species of rodent (Muridae) from Ghana. These records add to our knowledge of the distribution of small mammals in Ghana especially those occurring on the Accra Plains. A zoogeographic explanation for these distributional data is sought in the context of the Dahomey Gap phenomenon

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De Graaff, G. and R. B. Martin (1972). A survey of existing sound recordings of mammals and birds of southern Africa (during the period December 1971 - February 1972).

The present status of sound recording of mammals and birds in Southern Africa is assessed. It is clear that the most significant collections of recording are the result of private initiative by a very small number of individuals. Only some 9 % of mammals and 61 % of birds have been recorded. Possible ways and means to overcome hazards for recording unrecorded species are indicated. The idea of a national wildlife sound collection is supported and recordists are encouraged to place their recordings (or copies) with the South African Broadcasting Corporation Sound Archives.

De Graaff, G. and J. A. J. Nel (1970). Notes on the smaller mammals of the eastern Cape National Parks.

During November/December 1965, at the invitation of the National Parks Board a survey was made of small mammals (insectivores, bats, smaller carnivores, rodents and lagomorphs) occurring in the National Parks of the eastern Cape. The aim was threefold: to determine which smaller, and therefor less conspicuous mammal species were present and to assess their relative abundance and distribution in the various habitats available in each park. Parasites were also collected. The following is a preliminary note on the small mammals of the Mountain Zebra National Park, the Addo Elephant National Park, and the Tsitsikama Forest and Coastal National Park. The survey was undertaken by using various types of traps, sight records, owl pellet analyses (when available) and published sources. Further visits are envisaged. Trapping was undertaken at localities which seemed typical of the various habitat, and no line transects were used.

De Graaff, G. and I. L. Rautenbach (1983). A survey of mammals in the newly proclaimed Karoo National Park, South Africa.

The African continent covers an area of 28,672,000 km^2 and carries the most diverse mammal fauna in the world (Cae, 1980). At the southern tip of this continent, the Republic of South Africa (RSA) with its diversity of abiotic and biotic factors, is rich in natural assets, thus challenging the conservation conciousness of man (de Graaff, Robinson,van der Walt, Bryden & van der Hoven, 1979). A well-known area of the Republic of South Africa encompasses the Karoo, covering a large portion of the South African land surface. It is a region with a harsh climatic and environmental regime, necessitating a high degree of adaptability of its faunistic and floristic components. In the RSA a ± 3,000,000 ha National Park movement exists. An important gap was present in the National Parks system in the absence of any conserved area representative of the Karoo. Such an area can be thought of as an area of land which has effectively been removed from the development stream for the purpose of perpetuating natural conditions (Pyle, 1980). The underlying concept of the National Parks Act of 1926 (as amended in 1962) is the establishment of a worthy National Park in each of South Africa's diverse

ecosystems. The direction of the National Parks Board and the management policy thereof is steadily progressing towards the conservation of ecosystems, rather than the manipulation of populations of individual species.

In 1972 the International Union for the Conservation of Nature (IUCN) urged member countries to set aside additional areas as National Parks. The relevant South African authorities consequently proposed the proclamation of the Karoo National Park (KNP). Subsequent surveys by the National Parks Board, in close cooperation with the South African Nature Foundation (SANF) endeavoured to determine the most appropriate region to establish the envisaged conservation resource. It was decided to accept an offer of 7,209 ha of commonage by the Municipality of Beaufort West (a town proclaimed in 1818) while the SANF proceeded with a nationwide fund raising campaign. To date the Park comprises some 23,000 ha (eventual aim at least 100,000 ha) and was officially proclaimed and opened on 12 September 1979 (de Graaff *et al.*, 1979).

This paper is the first detailed survey on mammals occurring in the KNP and as such it seems to be the first detailed account of an assemblage on mammals typical to the Karoo. Notes are presented on some 50 odd species, either occurring naturally in the area, or on those reintroduced into the new park (mainly larger mammals) whose reintroductions are based on earlier and reliable references in the literature. The information presented in this paper forms part of data required for management procedures.

Deleuil, R. and A. Labbe (1955a). Contributions à l'étude des chauves-souris de Tunisie.

Ces quelques recherches, qui seront suivies d'autres, jettent une lueur nouvelle sur l'étude des chauves-souris de Tunisie. Nous constatons que le *Myotis myotis oxygnathus* est extrêmement répandu et abondant dans les galeries de mines et dans les grottes de la Tunisie du Nord; le *Miniopterus schreibersii* et le *Rhinolophus euryale* se trouvent dans les mêmes gîtes mais en quantités beaucoup moindres; le *Rhinolophus ferrumequinum* semble relativement abondant dans certaines galeries de mine. Quant à *Pipistrelles kuhlii*, cette espèce paraît extrêmement abondante dans les villes, au moins celles du Nord. L'*Eptesicus isabellinus* et le *Plecotus auritus* n'ont été capturés que dans le Sud et en quantité relativement minime.

Delfinado, M. D. , Baker, E. W. (1963). Mites of the family Spinturnicidae from the Philippines (Acarina).

Four genera in Spinturnicidae are recognized from bats collected in the Philippines. Among the 7 species treated in this paper, 1 belongs to *Spintumix* von Heyden, 3 to *Meristaspis* Kolenati, 2 to *Ancystropus* Kolenati, and 1 to *Oncoscelus*, n. gen. The species described and illustrated are *Spinturnix verutus*, n. sp., *Meristapis calcaratus* (Hirst), *Meristaspis mindanaoensis*, n. sp., *Meristaspis lateralis* (Kolenati), *Ancystropus eonycteris* n. sp., *Ancystropus palawanensis*, n. sp., and *Oncoscelus kanheri* (Hiregaudar and Bal) n. comb.

Demeter, A. (1982). Prey of the Spotted Eagle-Owl *Bubo africanus* in the Awash National Park, Ethiopia.

The prey composition of *Bubo africanus* is reported as determined by analyses of prey remains from a roosting site in the Awash National Park of Ethiopia. Mammals accounted for 88 % of the total number of prey items, in particular *Tatera robusta, Arvicanthis somalicus, Cerbillus pusillus* and *Crocidura fuscomurina* were the most frequent prey. By mass *Tatera robusta* and *Arvicanthis somalicus* made up over 60 % of the total mass of mammalian prey. *Crocidura* cf. *lusitania, C.* cf. *viaria, C. pasha* and *Steatomys* sp. are first recorded for the whole of Ethiopia. In addition to these, *Myotis tricolor* and *Praomys* cf. *fumatus* are first recorded for the Awash National Park.

Es wird fiber das Beutespektrum der Eule *Bubo africanus* im Awash Nationalpark in Athiopien berichtet. Dazu wurden Beutereste aus einem Nestplatz analysiert. Sauger bildeten 88 % der Gesamtzahlvon Beuteresten, am haufigsten waren *Tatera robusta, Arvicanthis somalicus, Gerbillus pusillus* und *Crocidura fuscomurina*. Die zwei Ratten *Tatera robusta* und *Arvicanthis somalicus* machten 60 % des Gesamtgewichtes an Saugern aus. *Crocidura* cf. *lusitania, C.* cf. *viaria, C. pasha* und *Steatomys* sp. werden erstmals fur Athiopien nachgewiesen, *Myotis tricolor* und *Praomys* cf. *fumatus* erstmals fur den Awash Nationalpark.

Demeter, A. and G. Topál (1982b). Ethiopian mammals in the Hungarian Natural History Museum.

A collection of 418 specimens belonging to 78 species of Ethiopian mammals is deposited in the Hungarian Natural History Museum. These are identified and notes on taxonomical aspects, distribution and field observations are included. A number of collecting localities are additional to the already known distributions of the species. *Myotis bocagei* is recorded for the first time for the country, and the second full specimen available for a rare genus, *Megadendromus*, is reported.

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de Roguin, L. (1988). Notes sur quelques mammifères du Baluchistan iranien.

A small collection of mammals from Iranian Baluchistan is studied. New localities are given for several species, and a new species of microtine rodent and a new subspecies of vespertilionid bat are described.

Une collection de mammifères du Baluchistan iranien est étudiée. De nouvelles localités sont données, une nouvelle espèce de *Microtus* et une nouvelle sous-espèce d'*Eptesicus* sont décrites.

De Sousa Dias, A. (1970). Mamiferos de Moçambique.

A lista que segué, representa apenas o agrupamento de espécies de mamíferos identificados em Moçambique, na sua maior parte por naturalistas estrangeiros que aquí se deslocaram ou que aquí enviaram colectores.

Calcula-se que falte um número considerável de espécies, dado que nunca foi feita uma verdadeira prospecção zoológica da Provincia, assim como é possível também que alguns animáis mencionados já não existam nos días de hoje.

Os trabalhos realizados vêm da segunda metade do século XVIII e incidiram principalmente sobre os territórios da África do Sul, Rodésias e Niassalandia.

Tudo leva a crer que as penetrações em terras de Moçambique se devem a ocasional curiosidade dos investigadores e não a acções prèviamente programadas. Assim, além de reconhecimentos da fronteira, apenas foram atingidas regiões de fácil acesso, tais como: Maputo, Lourenço Marques, rio Limpopo, Inhambane, Coguno, rio Save, Beira, Sena, Marromeu, Gorongosa, Boror, rio Zambeze e Tete. Existcm, portanto, áreas imensas sern qualquer prospecção realizada até hoje.

Na lista que apresentamos mencionam-se também: algumas espécies estucladas pelo médico-veterinário Dr. Travassos Dias, outras que se encontam no Museu Álvaro de Castro de Lourenço Marques e outras ainda que, por existirem junto às nossas fronteiras, tudo leva a crer que tenham também representação em Moçambique.

Este trabalho poderá interessar futuras campanhas zoológicas, pois marca segundo eremos, ponto de partida a investigações que devem ser efectuadas quanto antes, dada a missão cultural que nos cumpre levar a cabo nesta Provincia Ultramarina de Moçambique.

De Vree, F. (1969). Notes on *Xiphonycteris spurrelli* Dollman from the Togo Republic (Microchiroptera - Molossidae).

Recently the Koninkllijk Museum voor Middem-Afrika (Tervuren) (KMMA) received a large collection of bats collected by Mr. C. VERONESE in the Republic of Togo (West Africa). Among the Microchiraptera I found four interesting mollosids, belonging to a species of extreme rarity in collections: *Xiphonycteris spurrelli* DOLLMAN. Two are adult females, the first known.

Up to now only two specimens were known with certainty, namely the type and the topotype, both - males collected in the closed forest zone in Ghana (Bibiamiaha). The female thus far remained unknown. In the British Museum (Natural History) however there is a female specimen (BMNH N° 53.556), also from Ghana (Achimota), which HAYMAN (1967: 121) tentatively assigned to *X. spurrelli*. ROSEVEAR (1965 : 351) on the contrary came to the conclusion that the Achimota specimen can not be regarded as the female of this species, the skull and especially the teeth being too different.

Other possible records of this rare molossid have been reported by BASILIO (1962: 53) from Rio Muni and Fernando Poo (Banapa). This latter specimen, also mentioned by EISENTRAUT (1964: 545) and HAYMAN (1967: 122) has been sent to the American Museum of Natural History by BASILIO, but the determination has not yet been confirmed. Also KOOPMAN (1965: 31) tentatively allocated a specimen (a skin without a skull) from Congo Kinshasa (Luluabourg) to *X. spurrelli*.

De Vree, F. (1972). Description of a new form of *Pipistrellus* from Ivory Coast (Chiroptera).

A small bat was obtained by the author on the 19th November 1969 at Adiopodoumé, about 20 km west of Abidjan, Ivory Coast. It is a pipistrelle of moderate size, which is related to *Pipistrelllus eisentrauti* HILL from Cameroun, but differs sufficiently to warrant subspecific recognition. I propose to name the new form in honour of Louis BELLIER, who made such ar great contributoin to the knowledge of Ivory Coast Mammals.

De Vree, F. (1973b). New data on *Scotophilus gigas* Dobson, 1875 (Microchiroptera - Vespertilionidae).

The cranial and external measurements of twenty-one specimens of *Scotophilus gigas*, including the holotype and most of the hitherto reported specimens, were analysed to establish the range of size variation as well as the sexual variation. The taxonomy of the species is discussed and it is proposed that the specimens from Zaire, Malawi, Rhodesia and Mozambique may be provisionally differentiated as a subspecies, *S. gigas alvenslebeni* Dalquest.

Schadel- und äußere Maße von 21 Exemplaren von *Scotophilus gigas* wurden analysiert, um das Ausmaß der Großenvariaten und der Geschlechtsunterschiede festzustellen; zu dem untersuchten Material gehoren der Holotypus und die meisten bisher beschriebenen Exemplare. Die Taxonomie der Exemplare wird diskutiert, und es wird vorgeschlagen, die Exemplare von Zaire, Malawi, Rhodesien und Mozambique provisorisch als Unterart zu differenzieren: *S. gigas alvenslebeni* Dalquest.

Les mensurations crâniennes et corporelles de vingt et un spécimens de *Scotophilus gigas*, y compris le type et la plupart des spécimens antérieurement signalés, ont été analysées à fin de pouvoir déterminer la variation et le dimorphisme sexuel. La taxonomie de cette espèce est discutée et en conclusion il est proposé de considérer provisoirement les spécimens provenant de Zaire, Malawi, Rhodésie et Mozambique comme une race orientale *S. g. alvenslebeni* Dalquest.

De Vree, F., J. Hulselmans and W. N. Verheyen (1970). Contribution à l'étude des Chiroptères de la République du Togo. 2. Liste préliminaire des Chiroptères récoltés par la deuxième mission zoologique belge au Togo.

La presente note donne l'inventaire des Chauves-souris récoltées par la Deuxième Mission zoologique belge au Togo. Elle fait suite a une première contribution, qui inventorait les Chiroptères rapportés par la Première Mission belge au Togo (fin juin a debut septembre 1968) et ceux réunis par M. CARLO VERONESE en région d'Atakpame (septembre 1968 à mars 1969) (voir DE VREE, DE ROO et VERHEYEN *in Rev. Zool. Bot. Afr.*, LXXX, 1 - 2, 1969).

La présente collection a été réunie pendant les mois de juillet, août et septembre 1969. Les spécimens ont été fixes au formol et sont conservés en alcool au Musée Royal de l'Afrique Centrale à Tervuren.

Cette collection comprend 675 spécimens appartenant à 29 espèces. Parmi celles-ci figurent 4 espèces non encore signalées dans la première liste (1969): *Taphozous mauritianus, Nycteris grandis, Hipposideros caffer tephrus* et *Eptesicus capensis*.

Il nous est agréable de remercier toutes les personnes qui ont contribué a la réussite de l'expédition. La bienveillante collaboration de toutes les autorités toigolaises a rendu notre séjour au Togo des plus agréables. Qu'elles veuillent trouver ici l'expression de toute notre gratitude.

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de Winton, W. E. (1899b). XXXVIII. On mammals collected by Lieut.-Colonel W. Giffard in the Northern Territory of the Gold Coast.

The mammals contained in the following list were obtained by Lt.-Col. (then Capt.) W. Giffard, while serving in an expedition with Lt.-Col. H. P. Northcott lately operating in the northern territory of the Gold Coast. Several of the smaller species are new to science, while all add to our knowledge of the genera to which they belong. The specimens are in excellent condition and carefully labelled, showing the care and trouble that was taken in making the collection. Considering the nature of the operations, which kept the column constantly on the move, the number of specimens brought home is very creditable.

Colonel Giffard has presented the whole of his collection of small mammals to the British Museum, and Col. Northcott has also added some of his larger trophies and a number of birds to the National Collection.

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de Winton, W. E. (1900). 3. On the mammals obtained in Southern Abyssinia by Lord Lovat during an expedition from Berbera to the Blue Nile.

Lord Lovat's party consisted of five Europeans, including Mr. H. Weld Blundell, and Mr. Harwood as Naturalist. Starting from Berbera about the middle of December 1898, and travelling via Machanis Hill and Fijambiro, they reached Harrar towards the end of the month, and continuing almost west via Shola, Laga Hardim, and Jifia. Densa, they arrived at Addis Abeba towards the end of January 1899.

During February an expedition was made to the northward via Wogodi and Kooaa to Borameda, only some. 20 miles south of Magdala; then turning a little to the eastward, they returned by way of the Djimma Valley via Kombolsha, Ticka Chika, and Angolala.

Finally leaving Addis Abeba at the end of February, the expedition travelled due west via Managasha, Sellen, Goodur, Chellika, Bilo, and Lekemti to about 35° E., then turning to the north via Mendi, they crossed the Dabus River at about 10° N., and so on through the Beni Schongul, crossing the Blue Nile at Fainaka, and following the eastern or right bank of the river past Roseires, they reached Karkjof towards the end of May 1899, whence a passage was obtained in a boat to Khartoum.

The valuable collection of Birds brought home by the expedition will be found fully described by Mr. W. R. Ogilvie Grant in the 'Ibis' for January 1900, where- a map of ,the route is also given. The collection

of Birds has been presented to the British Museum, together with all the small mammals and some of the most interesting of the Antelopes.

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de Winton, W. E. (1901a). V. Notes on Bats of the genus *Nyctinomus* found in Africa.

The working out of the species of *Nyctinomus* in connexion with Dr. Anderson's ' Fauna of Egypt' has necessitated looking through the whole of the specimens of this genus contained in the collection of the British Museum. In several instances the determination arrived at by Dobson in his 'Catalogue of the Chiroptera' has been found to require amendment, and the examination of the skulls has brought out additional facts of importance. This communication is confined only to those species, found principally on the continent of Africa and the island of Madagascar, which have the ears joined or rising close together from the centre line of the face, and does not deal with that section of the genus with smaller and more widely-separated ears which form the subgenus *Mormopterus*.

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de Winton, W. E., H. O. Forbes and W. R. Ogilvie-Grant (1903). Mammalia.

The Mammalian Fauna of Sokotra had been very cursorily examined by former expeditions, and, with the exception of a Bat, all the Mammals hitherto recorded were such as had undoubtedly been introduced by man. It was therefore thought that some species truly indigenous might be discovered; for it seemed to many highly improbable that an island in such a position could have been so long separated from the mainland of both Africa and Asia as would be suggested by the absence of all Mammals.

The present Expedition has failed in adding to the list, so it may now be said, with a fair amount of certainty, that Sokotra has no indigenous Mammals, and that with the exception of one or two Bats, which may occasionally find their way from the mainland, all the Mammals living on the island have been introduced by man.

The first list of the Mammals of Sokotra of modern times was given by Heuglin in Petermann's *Mittheilungen*, 1861, p. 149, in a general description of the island and its products. Camels, goats, wild or feral asses, and civets are mentioned as those most worthy of record, while jackals and gazelles are said to be found in the middle of the island. The two latter may now be disregarded, as no explorer has been able to find either on the island.

The small Mammals were first noticed in a report on Dr. E. Riebeck's collection by Dr. O. Taschenberg in the *Zeitschrift für Naturwissenschaften*, Halle, 1883, Vol. Ivi. p. 160. In this list the Free-tailed Bat (*Rhinopoma microphyllum*) is recorded with a rat (*Mus albipes*), and a mouse (*Mus gentilis*).

The following notes on the Mammals obtained by the present Expedition suggest themselves to me; the full list, with field notes, I leave in the hands of the collectors.

The Rasse (*Viverricula malaccensis*) is of the form common to Java and Madagascar, distinguished under the subspecific name of *V. malaccensis rasse*, Horsf. (see J. L. Bonhote, *Ann. Mag. Nat. Hist.*, Ser. VII., Vol. i., 1898, p. 119). This animal is now found almost everywhere in the islands of the Indian Ocean and Malayan seas, being carried in ships and dhows for the sake of the civet which it yields:

The Rat (*Mus rattus*), of which a large series was obtained, varies in the shade of colour between the two forms found in India, *Mus flavescens* of Elliott and *M. rufescens* of Gray. This is no doubt the *Mus albipes* of Dr. O. Taschenberg's list.

The House Mouse may have found its way on to the island, but it is just possible that young specimens of the last mentioned species were taken by Dr. Taschenberg for *Mus gentilis*, the pale form of *Mus musculus* found on the borders of the Red Sea.

The African Ass (*Equus asinus*) was found in a perfectly wild state, and probably has lived thus for some thousands of years. Failing wild killed specimens of the true wild Ass from Africa, it is impossible to say whether the Sokotran animal has undergone any modification from the ancestral form.

The Mammalian Fauna of Sokotra, so far as known, comprises eleven species.

Didier, R. (1965). Etude systematique de l'os penien des mammiferes (suite). Chiropteres, megachiroteres: Fam. des Pteropodidae.

Description anatomique et figurations de l'os pénien de chiroptères de la famille des Pteropodidae.

Dieckmann, R. C. (1979). Note on the smaller mammals of the Hester Malan Nature Reserve, Springbok, Namaqualand.

A survey of the smaller mammals of the Hester Malan Nature Reserve resulted in a checklist as well as information on the habitat in which the mammals occurred. Of the 38 species listed, 31 were collected or seen in the Reserve and seven on the neighbouring farms and surrounding district.

'n Opname is gemaak van die kleiner soogdiere wat in die Hester Malan Natuurreservaat aangetref word en het gelei tot die saamstel van 'n spesielys. Inligting oor die habitat van die soogdiere is ook verkry. Van die 38 spesies in die lys genoteer, word 'n totaal van 31 in die Reservaat aangetref. Hierbenewens is 'n verdere sewe spesies op naburige plase en omliggende distrik waargeneem.

Dippenaar, N. J., J. Meester, I. L. Rautenbach and D. A. Wolhuter (1983). The status of southern African mammal taxonomy.

The most recent review of the state of mammal taxonomy in southern Africa, is that of Meester & Eloff (1973). They, in agreement with authors of earlier similar reviews, stressed the need for continued and more detailed taxonomic work. Since then some powerful taxonomic procedures (viz. multivariate morphometric analyses, and cytotaxonomy) have been incorporated into local taxonomic research efforts. In the light of such demandlng but more exact procedures, the current status of southern African mammal taxonomy is reexamined.

This discussion concludes that the tempo and standards of local taxonomic research not only fail to keep up with contemporary work on European and North American mammals, but are in fact falling progressively further behind. Possible reasons for this situation are discussed.

Dobson, G. E. (1875e). XLVII. Conspectus of the suborders, families and genera of Chiroptera arranged according to their natural affinities.

The system of classification described in this paper having been adopted by me in the MS. of my descriptive Catalogue of the Asiatic Chiroptera, I here anticipate its publication, with the view of expressing more fully my reasons for classifying the genera according to a plan differing in some important points from those previously used, and also for the purpose of pointing out some important structural characters, of great value in the systematic arrangement of the families and genera, hitherto either unnoticed or insufficiently recognized.

The Chiroptera fall naturally into two subdivisions which may be called suborders, hitherto known as *Chiroptera frugivora* and *Chiroptera insectivora*; but as those names have not been framed in accordance with the accepted rules of zoological nomenclature, and as, moreover, the second part of the name of the second suborder has been previously applied to an order of Mammals, I use here instead the terms *Megachiroptera* and *Microchiroptera* to express these divisions respectively.

These terms are relatively correct; for, although some species of the Carnivorous Bats very much exceed in size many species of the Frugivorous, nevertheless the Frugivorous Bats taken collectively are very much larger than the Carnivorous, contrasting with them in size almost to the same extent as, among other Mammals, the Ungulata contrast with the Carnivora.

Dobson, G. E. (1876a). 8. A monograph of the genus *Taphozous* Geoff.

In 1872 I published some notes on the Asiatic species of *Taphozous*, giving a short synopsis of the species, in which they were divided into two groups. Since that time I have examined the types and large collections of specimens of the species of this genus in the British Museum, in the Museum of the East-India Company; in the Leyden, Berlin, and Paris Museums, also the collection in the Liverpool Museum and that of Sir Walter Elliot (most kindly forwarded from Scotland for my examination), as well as some private collections. Adding to these the large collection in the Indian Museum, Calcutta, I have thus examined a great number of specimens of the species of this genus, including the types, and am enabled to remove some nominal species from the list, to describe in detail, and to exhibit, in tabular form, according to their natural affinities, all. the species of *Taphozous*.

Dobson, G. E. (1880b). Sur quelques espèces de chiroptères provenant d'une collection faite en Algérie par M. Fernand Lataste.

M. Lataste a bien voulu m'envoyer quelques exemplaires de Chiroptères en bon état, conservés en esprit de vin, qu'il a recueillis en Algérie.

Les espèces représentées sont au nombre de huit: *Otonycteris Hemprichi* Ptrs., *Vesperugo (Vesperus) serotinus*, sous-esp. *Isabellinus* Temm., *Vesperugo pipistrellus* Schreb., *Vesperugo Kühli* Natt., *Vespertilio murinus* Schreb., *Vespertilio Capaccinii* Bonap., *Miniopterus Schreibersi* Natt., *Rhinolophus euryale* Blas. Je vais les passer successivement en revue.

Dobson, G. E. (1880c). Report on accessions to our knowledge of the chiroptera during the past two years (1878 - 1880).

One of the chief results hoped for from the publication of my natural history of the order Chiroptera, as stated in the preface to that work, was that it would be 'a stimulus to collectors and students to pay more attention to this difficult and obscure group of animals than, has been the case hitherto.' How fully this hope has been realised has been abundantly shown, not only by the publication of numerous papers on the subject in various scientific journals, both home and foreign, contrasting remarkably in number and quality, and especially in the number of different writers, with those recorded in any previous period of like duration, but also by the activity which has been displayed by collectors, as evidenced by the contributions received at the different museums, and by the numerous letters received by the writer from almost all parts of the world from those whose interest in the Chiroptera has been at length awakened.

To enumerate, classify, and correct these contributions; to add some remarks, supply a few omissions, and correct one or two errors since discovered in the work referred to above, is the object of this paper.

I commence by re-defining the suborders into which I have divided the Chiroptera, adding some important characters previously omitted.

Dobson, M. (1998). Mammal distributions in the western Mediterranean: the role of human intervention.

The natural distribution of the 17 non-flying mammal species occurring wild in both the Maghreb (north-west Africa) and Iberia (south-west Europe) is considered. It is concluded that only four species - Red Fox *Vulpes vulpes*, Wild Boar *Sus scrofa*, Wild Cat *Felis silvestris* and Otter *Lutra lutra* - are native to both regions, while another three - Red Deer *Cervus elaphus*, Brown Bear *Ursus arctos* and Aurochs *Bos primigenius* - were native to North Africa until the mid-Holocene but have probably died out naturally. Algerian Hedgehog *Atelerix algirus*, Barbary Ape *Macaca sylvanus*, Genet *Genetta genetta* and Egyptian Mongoose *Herpestes ichneumon* are widely accepted as introductions to Europe from North Africa. The remaining six species, and Red Deer now found in Africa, were also probably introduced - Rabbit *Oryctolagus cuniculus*, Weasel *Mustela nivalis*, Wood Mouse *Apodemus sylvaticus* and Lesser White-toothed Shrew *Crocidura russula* from Europe to Africa; Algerian Mouse Mus spretus from Africa to Europe; Savi's Pygmy Shrew *Suncus etruscus* perhaps from the eastern Mediterranean to both Iberia and the Maghreb.

There are two Maghrebi species which, although not found in Europe, are more closely related to Palaearctic than to Afrotropical species: Garden Dormouse *Eliomys melanurus*, probably native to north-west Africa, although possible augmentation of the natural population cannot be ruled out, and Whitaker's Shrew *Crocidura whitakeri*, a North African endemic.

Removal of so many species of European provenance from the list of mammals native to northwest Africa should not be considered to weaken its position as part of the Palaearctic zoogeographical region. Bats and other, non-mammalian, taxa illustrate the clear faunal relationship between the Maghreb and south-west Europe, whilst emphasizing its distinction from subsaharan Africa.

Dollman, G. (1908). On a collection of bats from Yola, Northern Nigeria, collected by Mr. G.W. Webster.

The British Museum owes to the generosity of Mr. Gr. W. Webster a collection of bats from Northern Nigeria, and, being the first collection received from this region, it proves of very great interest. In addition to some extremely rare bats, it contains one new species, and there can be little doubt that when the Nigerian fauna is thoroughly worked out many other new forms will be discovered.

Dollman, G. (1909). XLV. On mammals collected by Mr. S.A. Neave, M.A. B. Sc (Oxon.) in Katanga, Congo Free State.

The collection is of interest both on account of the new geographical ranges established for many of the species and, in addition, for the discovery of a new form of Anomalurus allied to A. cinereus, Thos.

Dollman, G. (1910). XXV. On a collection of mammals made by Mr. S.A. Neave during his expedition in Northern Rhodesia.

The area in which Mr. Neave collected is situated between Lake Bangweolo and Lake Mweru, bounded on the west by the Luapula River, and on the east by the Mchinga Escarpment, extending as far north as the southern end of Lake Tanganyika and as far south as Mpika. No collection of mammals of any importance has ever been received from this district before, and therefore it is not surprising to find that some of the specimens represent new and hitherto undescribed forms. The mammalian fauna of this area would appear to be very similar to that of North Nyasaland, and .though a few of the species show a distinct relationship with the West African fauna, the majority of forms are East African. The mammals of the Kalungwisi and Chambezi Rivers appear very much the same as those that occur on the Nyika Plateau, mixed with a sprinkling of South Nyasa forms, such as the small Zomba dormouse, *Graphiurus johnstoni*, Thos., a specimen of which Mr. Neave obtained from the Chambezi River District. Some of the species would appear to indicate a relationship with the Tanganyika and Uganda faunæ. Thus we

find in the collection both the Marungu dormouse *Graphiunis microtis*, Noack, and the v' East African *Mus jacksoni*, de Wint.

Of the novelties, the Shrews are perhaps the most interesting. One of the forms, *Crocidura luna*, was obtained by Mr. Neave during his earlier expedition in Katanga. Since my paper on the Katanga mammals, the series of Central and East African *Crocidura* in the British Museum collection has been considerably increased, and it is now evident that these Katanga specimens ought to be considered as representing a distinct species. The series of *Lophuromys* from Mporokoso would appear to be new, being unlike any of the East or West African forms at present known. This species was also represented in the Katanga collection, and it is one of these Congo specimens that has been chosen as the type.

In addition to the descriptions of the new forms, a complete list of all the mammals obtained by Mr. Neave in Northern Rhodesia is here given, as so many of the species are of interest from a distributional point of view.

Dollman, G. (1911). Description of a new genus of molossine bats from West Africa.

Among a collection of West-African mammals recently presented to the British Museum by Dr. H. G. F. Spurrell is a bat representing a new genus of the family Molossidæ.

Dollman, G. (1914a). Notes on a collection of East African mammals presented to the British Museum by Mr. G.P. Cozens.

I have the pleasure of furnishing a report on the Mammals obtained by Mr. Willoughby P. Lowe during the recent East Africam Expedition organized by Mr. G. P. Cosens. The entire collection, some two hundred specimens in all, has been presented by Mr. Cosens to the British Museum.

In working out this collection I have found it necessary to describe six new forms, the most interesting of which, the new Gerbil (*Gerbillus cosensi*), I have named in honour of the generous donor. Another interesting novelty, *Taterillus lowei*, I have called after Mr. Willoughby Lowe, the collector.

The East African mammals were obtained in the Naivasha and Nyanza Provinces. The route taken was from Kijabe to Mt. Suswa, where the first collecting was done, then westwards across the Loita Plains and Lemek Valley to the Amala or Mara River. After ten days collecting along the Amala River the expedition turned south towards the Anglo-German Boundary and then eastwards, via Leganisho, to Lengototo, the Narossura and Southern Guaso Nyiro Rivers. Further collecting was done along the southern Guaso Nyiro, and the party then proceeded northwards as far as the Mau Escarpment, returning to the railway at Naivasha.

The Uganda Expedition started from Baringo in December, 1912, and travelled in a north-easterly direction across the Kerio and Wei Wei Rivers, and then along the Turkwel as far north as Ngamatak. Turning westwards the party reached the Kozibir Hills on January 22nd, 1913, and Mt. Maroto on January 28th. Proceeding in an easterly direction, via the Nakwai Hills and Lobor Mountains, Kamchuru was reached on February 9th, and here the greater part of the collecting was done. Other mammals were obtained on the journey from Kamchuru, via Pader and Falabek, to Nimule.

In the following list the East African and Uganda Collections are not treated of separately, as it seems more convenient, the two areas not being faunistically distinct, to consider the collections together.

Dorst, J. (1947). Les chauves-souris de la faune malgache.

II n'existe à notre connaissance aucun travail d'ensemble sur les Chauves-Souris de Madagascar; le bel ouvrage de GRANDIDIER et PETIT (Zoologie de Madagascar, 1932), laisse volontairement ce groupe

un peu en oubli. La révision et le classement de la collection de Chauves-Souris du Muséum, qui possède d'assez belles séries rapportées en particulier par MM. GRANDIDIER, HUMBLOT, DECARY et la Mission DELACOUR, m'ont permis de faire ce travail qui ne vise qu'à présenter ce que l'on connaît actuellement sur ce groupe de Mammifères malgaches.

Les affinités des Chauves-Souris de Madagascar sont plutôt à chercher en Afrique. On trouve des animaux absolument identiques à ceux que l'on trouve dans ce continent, tels que *Taphozous mauritanius, Hipposideros Commersoni, Eptesicus pusillus, Pipistrellus nanus, Chaerephon limbatus*. D'autres sont à peine différenciés: tels *Mormopterus albiventer* et *Nyctinomus fulminans* dont de proches parents habitent le continent voisin. Par contre nous signalerons la présence de *Pteropus*, les Rousettes de ce genre étant abondamment représentées en Indo-Océanie et par contre absentes d'Afrique. Une affinité du même ordre est indiquée par *Emballonura atrata* dont les proches parents habitent les régions malaises et papoues, .aucun n'ayant atteint l'Afrique. Madagascar montre aussi un caractère négatif très net vis-à-vis du continent: c'est l'absence de Chauves-Souris frugivores du groupe de *Epomophorus*, celles-ci étant caractéristiques de la région éthiopienne.

Nous trouvons dans la Grande Ile une espèce endémique, *Myzopoda aurita*; on en a fait le type d'une famille dont elle est l'unique représentant; ses affinités sont lointaines et incertaines, nous aurons l'occasion d'en reparler.

Signalons également l'absence de *Rhinolophus*, ce genre si bien représenté tant en Asie qu'en Afrique.

Nous donnerons une liste des espèces rencontrées jusqu'à ce jour dans l'île, indiquant les renseignements résumant ce que l'on connaît .sur chacune d'elles.

Dorst, J. (1960). A propos de quelques chiroptères du Sénégal, et description d'une forme nouvelle du genre *Pipistrellus*.

Au cours de sa dernière mission au Sénégal pendant l'automne de 1958, M. Francis Roux a bien voulu collecter à notre intention quelques chiroptères venus se faire prendre dans les filets tendus en vue de la capture des oiseaux. En dépit du petit nombre d'individus collectés, ces chauves-souris présentent cependant un grand intérêt en raison du peu de renseignements concernant les Chiroptères du Sénégal.

La petite série rapportée par M. Roux comprend 5 espèces. Si deux d'entre elles sont banales, les autres sont par contre nouvelles pour le Sénégal, et l'une d'entre elles pour l'Afrique occidentale toute entière. L'intérêt biogéographique de leur présence dans cette partie de l'Afrique est d'ailleurs variable suivant les espèces.

Tous les spécimens ont été capturés à Richard-Toll, Sénégal, au moyen de filets tendus aux alentours de mares.

Dorst, J. and R. de Naurois (1966). Présence de l'oreillard (*Plecotus*) dans l'archipel du Cap-Vert et considérations biogéographiques sur le peuplement de ces iles.

A Long-eared Bat is recorded from the Cape Verde Archipelago. On the basis of one specimen collected on I. do Maio; others are recorded from Santiago where bats were discovered in rocky cliffs but not collected. Description of the specimen which probably is to be considered as *Plecotus austriacus* subsp. Although accidental transport by man cannot be excluded, the occurence of this Bat on these islands seems in accordance with their affinities, a high proportion of the species being obviously from palearctic origin, as shown by the Birds and Reptiles.

Dorst, J. and J. Prévost (1972). Notes sur quelques chiroptères collectés en Ethiopie.

Liste commentée de 12 espèces de Chiroptères collectées dans diverses régions d'Ethiopie. *Rhinolophus hildebrandti* est signalé pour la première fois de ce pays. Les captures permettent de préciser et d'étendre la répartition de plusieurs autres espèces, parmi lesquelles *Myotis scotti*.

Annotated list of 12 specles of Chiroptera collected in varions habitats in Ethiopia. *Rhinolophus hildebrandti* is recorded for the flrst time from this country; wide extensions of range are reported for several other bats, including *Myotis scotti*.

Doutre, M. P. and H. Sarrat (1973). Sérotypes de salmonelles isolées chez les chiroptères frugivores et insectivores du Sénégal. Importance épidémiologique.

Une enquête portant sur 646 chiroptères porteurs sains, prélevés principalement dans les environs de Dakar (Sénégal), est effectuée.

Elle intéresse 264 individus appartenant à des espèces frugivores (*Eidolon, Roussettus, Epomophora*), 382 exemplaires d'espèces insectivores (*Tadarida, Nycteris, Hipposideros*) et 106 prélèvements de guano (*Tadarida*).

A partir des coprocultures, 83 souches de *Salmonella* sont isolées chez les chiroptères, ce qui correspond à un taux d'infestation moyen de 12,8 p. 100. Les ensemencements de guano fournissent 48 souches.

64 sérotypes différents sont mis en évidence au cours de cette étude (4 souches sont encore en cours d'examen).

3 sérotypes nouveaux sont découverts: *S. taset, S. bambylor, S. sangalkam*, et 11 sérotypes rapportés pour la première fois au Sénégal: *S. vom, S. goma, S. umhlali, S. angers, S. miami, S. bolombo, S. uzaramo, S. blukwa, S. doorn, S. windermere, S. gokul*.

Les chiroptères constituent donc un réservoir animal de *Salmonella* dont l'incidence su les risques de contamination humaine et animale est discutée.

A survey dealing with 646 healthy carrier bats, collected mostly in the surroundings of Dakar (Senegal), was carried out.

The specimens consisted of 264 frugivorous species (*Eidolon, Roussettus, Epomophora*), 384 insectivorous bats (*Tadarida, Nycteris, Hipposideros*) and 106 samples of guano (*Tadarida*).

From the intestinal contents, 83 strains of *Salmonella* were isolated in chiroptera (infestation rate: 12,8 per cent). The seedings of guano gave 48 strains.

64 different serotypes were demonstrated during the whole of the study (the examinaiion of 4 strains is still in process).

3 new serotypes were discovered: *S. taset, S. bambylor, S. sangalkam*.

11 serotypes were recorded for the first time in Senegal: *S. vom, S. goma, S. umhlali, S. angers, S. miami, S. bolombo, S. uzaramo, S. blukwa, S. doorn, S. windermere, S. gokul*.

From the study, it seems that chiroptera constitute an important animal "reservoir" of *Salmonella*. The incidence on human and animal contamination is discussed.

Dowsett, R. J., D. L. Harrison and L. Granjon (1991). Bats (Chiroptera) from the Mayombe and lower Kouilou (with a checklist for Congo).

Cet article décrit une collection de 80 spécimens de chiroptères (appartenant à 14 espèces) obtenus dans le Bas-Kouilou et le Mayombe (Congo). Deux espèces sont nouvelles pour la faune congolaise (*Rhinolophus alcyone, Hipposideros cyclops*) et une troisième (*Scotonycteris ophiodon*) est l'une des plus rares espèces africaines. En outre quatre espèces sont signalées pour la première fois aus Mayombe. Les particularlités du crâne sont décrites pour certaines Mégachiroptères (*Scotonycteris, Megaloglossus*). Les activités reproductrices observées sont mentionnées. Nous donnons également la distribution des espèces ailleurs au Congo et la liste complète des espèces pour le pays (soid 34 au total).

A collection of 80 specimens of bats (of 14 species) is described from the lower Kouilou and Mayombe (Congo). Two species are new to the Congo fauna (*Rhinolophus alcyone, Hipposideros Cyclops*) and a third (*Scotonycteris ophiodon*) is one of the rarest African bats. Four other species have apparently not previously been reported from the Mayombe. Interesting skull characters are descrbed in some Megachiroptera (*Scotonycteris, Megaloglossus*). Breeding data are presented and species' distributions discussed. Reference is made to the other species of bats reported elsewhere in Congo, and achecklist presented of the 34 species known to date.

Dubois, G. (1955). Les Trematodes de chiroptères de la collection Villy Aellen. Etude suivie d'une revision du sous-genre *Prostodendrium* Dollfus 1937 (*Lecithodendriinae* Lühe).

Les Lecitkodendriinae Lühe font l'objet d'une étude spéciale. *Lecithodendrium linstowi* Dollfus 1931, *Prosthodendrium ascidia* (Van Beneden 1873) et *P. chilostomum* (Mehlis 1831) sont redécrits d'après des matériaux de la collection AELLEN.

Le sous-genre *Prosthodendrium* Dollfus 1937, revisé, groupe dix-neuf espèces (voir clé de détermination, p. 498). Le type est *P. dinanatum* (Bhalerao 1926) par désignation originale.

Sur la base d'un examen du matériel original le statut d'espèce est conféré à "*Lecithodendrium cordiforme parvouterus*" Bhalerao 1926, avec la dénomination de *Prosthodendrium parcouterus* (Bhalerao) comb. nov. "*Lecithodendrium cordiforme* Môdlinger 1930, nec Braun, *Prosthodendrium pushpai* Bhalerao 1936, *Prosthodendrium cordiforme* Bhalerao 1936, nec Braun, *Prosthodendrium pyramidum* subsp. *orientale* Yamaguti et Asada 1942, nec Lopss, et *Prosthodendrium pyramidum* forma *maroccana* Dollfus 1954, nec -Loess, sont considérés comme synonymes. L'espèce *parvouterus* a une distribution géographique étendue: Birmanie, Mandchourie, Europe, Maroc.

P. bhaleraoi (Pande 1935) tombe en synonymie avec *P. longiforme* (Bhalerao 1926) dont là var. *allahabadi* Pande 1935 est supprimée.

P. loossi (Pande 1935) devient une variété de *P. urna* (Looss 1907), dénommée *P. urna loossi* (Pande), et *P. luzonicum* (Tubangui 1928) une variété de *P. orospinosum* (Bhalerao 1926), désignée sous le nom de *P. orospinosum luzonicum* (Tubangui).

P. piriforme Yamaguti 1939 est considéré comme synonyme de *P. chilostomum* (Mehlis 1831), avec lequel "*Lecithodendrium cordiforme laxmii*" Bhalerao 1926 est également identifié.

P. Scabrum [= *Limatulum scabrum* Caballero 1940] Caballero 1943 et *P. paeminosum* Caballero 1943 sont indifîérenciables de *P. naviculum* Macy 1936, lui-même n'étant qu'une variété géographique de *P. ascidia* (Van Beneden 1873), dénommée *P. ascidia navicula* Macy.

P. mizellei Seamster et Stevens 1948 est rejeté comme synonyme de *P. macnabi* Macy 1936.

Les *species inquirendae* sont: *P. posticum* (Stafford 1905) et *P. lilliputianum* (Travassos 1928).

Le sectionnement du sous-genre ou la création de genres pour certaines de ses espèces ne sont pas approuvés.

Đulic, B. and F. A. Mutere (1973a). Comparative study of the chromosomes of some Mollosid bats from eastern Africa.

By the analysis of bone marrow cells, the chromosomes of three East African Molossid bats e. g. *Otomops martiensseni, Tadarida condylura* and *T. pumila* were studied. It was found that the diploid chromosome number for all three species was 48. The autosomal fundamental number for the first two species was 56 and for *T. pumila* 58. The presence of an autosomal pair with secondary constriction in *O. martiensseni* suggests its closer relationship with *Eumops perotis* from Mexico. The pair XY differs mostly in *T. pumila*, whereas its morphology is similar in the other two species. It is evident that the African representatives of the family Molossidae are chromosomally quite similar to their American counterparts in diploid number and fundamental number. The presence of "marker-pair" in the family Molossidae was discussed too.

Đulic, B. and F. A. Mutere (1973b). Les chromosomes de trois espèces des Megachiroptères (Mammalia, Chiroptera) d'Afrique orientale.

Dans le présent travail on décrit les caryotypes de *Rousetlus aegyptiacus leachi, Epomophorus wahlhergi wablbergi* et *Epomophorus anurus* et on trouve que leur nombre diploïde est de 2n = 36, et que leur nombre fondamental varie très peu. L'hétérochromosome X de *R. aegyptiacus* et de *E. wablbergi* est un élément submétacentrique de la taille moyenne, tandis que l'Y est un petit chromosome punctiforme chez la première, et un petit acrocentrique chez la seconde espèce. Dans le caryogramme femelle de *E. anurus* on a pas pu identifier les chromosomes sexuels. Le trait commun du caryotype de toutes les trois espèces de Megachiroptères est la présence d'une paire d'autosomes avec la constriction centrale. On compare la morphologie des chromosomes des espèces africaines avec les mêmes données sur les réprésentants de l'Inde.

The chromosomes complement of *Rousettus aegyptiacus leachi, Epomophorus wahlbergi wahlbergi* and *Epomophorus anurus* was determined and a diploid number of 36 has been found. There is a very little variability in fundamental number (66 in *R. aegyptiacus* and 68 in *E. wahlbergi wahlbergi*, the arms of sex chromosomes have not been counted, and in female karyotype of *E. anurus* including sex chromosomes FN is 72). The X sex chromosome is a medium sized submetacentric element in *R. aegyptiacus* and in *E. wablbergi wahlbergi*, and the Y sex chromosome is a small punctiform chromosome in the first mentioned and a small acrocentric in the second one. In all three species one pair of medium autosomes is provided with a rather long centric constriction of different appearance in each species. A comparison of chromosome morphology among the African and the Indian species of fruit bats is given.

Đulic, B. and F. A. Mutere (1977). Chromosomes of some East African bats.

The description of karyotypes in 21 species of African bats predominantly from Kenya, Uganda and Rhodesia, was given by DULIC & MUTERE (1973a, 1973 b, 1974), WARNER, PATTON, GARDNER & BAKER (1974) and PETERSON & NAGORSEN (1975). During the excursions in the caves south of Mombasa in September 1975 some species were collected, the chromosomes of which were either not known or were described from populations caught in far off localities.

Đulic, B. and B. Soldatovic (1969). Les chromosomes de *Rhinolophus mehelyi* Mastchie, 1900 (Mammalia, Chiroptera).

The chromosome complement of somatic cells of *Rhinolophus mehelyi* has been determined. The karyotype is characterized by a diploid number of 58. Of 28 pairs of autooomes 4 are metacentric, two

of them are small-sized, and 24 are acrocentric. One pair of middle-sized acrocentric autosomes is provided with satellites, and among small elements only one pair is punctiform. The X chromosome is a large submetacentric one: its average centromere index is 2,89. The Y chromosome is small and oblong. A comparison has been made between the karyogram of *Rhinolophus mehelyi* and those of *Rh. ferrumequinum, Rh. euryale, Rh. blasii* and *Rh. hipposideros*. The results speak in favour of the opinion of CAPANNA and CIVITELLI (1964), and CAPANNA, CIVITELLI and CONTI (1967) on the significance of the morphologically identical chromosomes: their role in the phylogeny of Rhinolophid bats was discussed.

Dans le présent travail on décrit le caryotype de *Rhinolophus mehelyi*, et on trouve que le nombre diploide est de 2n=58. Le caryogramme comprend 28 autosomes dont 4 paires de métacentriques et 24 paires d'acrocentriques. Une paire d'acrocentriques est avec le satellite. L'heterochromosome X est un élément submétacentrique avec l'index centromérique 2,89, l'Y est un petit chromosome de forme ovale. En comparant le caryotype de *Rhinolophus mehelyi* avec ceux de *Rh. ferrumequinum, Rh. euryale, Rh. blasii* et *Rh. hipposideros* on supporte l'opinion de CAPANNA et CIVITELLI (1964), et CAPANNA, CIVITELLI et CONTI (1967) sur l'importance des chromosomes morphologiquement identiques et on discute le rôle de tels chromosomes dans la phylogénie des Rhinolophes.

Duncan, F. M. (1937). On the dates of publication of the Society's 'Proceedings,' 1859-1926. With an appendix containing the dates of publication of 'Proceedings,' 1830-1858, ..., and of the 'Transactions,' 1833-1869, ..., originally published in P.Z.S. 193, 1913.

As requests for information concerning the dates of publication of early parts of the Society's ' Proceedings ' are occasionally received, it appeared desirable to place on record what information still exists relating to the volumes printed in the years following those given in the list of dates - 1830 to 1858 - already published in the Society's ' Proceedings ' for 1893, p. 436.

Why Dr. P. L. Sclater, who communicated that list, and Mr. F. H. Waterhouse, who had compiled it with the help of the Society's printers, did not apparently consider it worth while to carry the record down to 1893, I have never been able to understand. That they did not do so has proved most unfortunate, as Day-books and Receipt-books which were available at that time, belonging to the Society and to Messrs. Taylor and Francis, no longer exist.

For some years past I have, as opportunity presented itself, gathered together from various sources notes which appeared likely to throw some light on doubtful dates, and as but little further definite information is likely in the future to come to hand, it would seem best to place on record now what has been accomplished.

My chief sources of information have been our own ledgers and Day-books, and those of the Society's printers, Messrs. Taylor and Francis, to whom I would express my most grateful thanks for their unfailing courtesy and invaluable help in making repeated searches through their archives, and in checking, so far as was possible, uncertain dates. To my Assistant, Mr. G. B. Stratton, I must also extend my thanks for much help in the collation of volumes and parts.

From an examination of the available account-books it appears that up to, and including the year 1860, payments were made always for sheets, and presumably the 'Proceedings' were available in that form as well as in the three paper-bound annual parts. Beginning with the year 1861, payments were made only for each completed part, and the issue of separate sheets seems to have ceased.

Dunning, D. C. and M. Krüger (1995). Aposematic sounds in African moths.

In response to tactile stimulation and to ultrasonic pulses such as those of attacking bats, many moths of the family Arctiidae produce ultrasonic clicks. To test the hypothesis that these clicks are aposematic sounds, warning bats of unpalatable prey, African moths of these two families were captured at lights, assayed for clicking responses to tactile and ultrasonic stimulation and placed, together with moths of similar body sizes and other families captured at the same time, in a small cage with sympatric *Tadarida*

pumila bats. Arctiid fragments were sought among the insect remains (mostly moth wings) dropped by free-foraging *Hipposideros caffer* bats. There were no arctiid wings among them, and the captive bats ate a significantly larger proportion of control moths than arctiids. There were no significant differences by species or sex in the arctiids' clicking responses to either stimulus or in their palatability to bats. Since the arctiids did dick in response to bat-like stimuli and were clearly less palatable to the bats than the control moths, we conclude that the sounds of these moths can act as aposematic sounds.

Dunning, D. C. and M. Krüger (1996). Predation upon moths by free-foraging *Hipposideros caffer*.

Predation upon insects by the bat *Hipposideros caffer* was studied at Skukuza in the Kruger National Park of South Africa. These bats, whose echolocation calls are inaudible to moths, fed overwhelmingly upon tympanate Lepidoptera, although insects of other orders frequently dominated the local light-responsive, flying, nocturnal insect community. The relative numbers of noctuid, pyralid, and arctiid moths taken by the bats were proportional to the representation of these families in the general population of moths, but they took disproportionately fewer moths of the family Geometridae. The bats also ate significantly fewer arctiid moths of those species capable of clicking than of those species that could not. Because the arctiids could not hear approaching *H. caffer*, these moths did not click before contact with an attacking bat, and their clicks could not protect them by interfering with echolocation by the predators. These results are consistent with the startle and acoustic-aposematism hypotheses for the bat-protective function of arctiid clicks.

Dupuy, A. P. (1973). Premier inventaire des mammifères du Parc Nationale de Basse-Cassamance (Sénégal).

Avec, la création récente du Parc national de basse Casamance (décret n° 70 319 du 10 avril 1970), l'étude des groupes zoologiques connait un renouveau dans cette région. Cela ira sans .aucun doute en s'amplifiant dans les années à venir, mais auparavant, les spécialistes de l'ÏFAN s'étaient intéressés dès 1946 à la faune de basse Casamance. P.-L. DEKEYSER et A. VILLIERS firent à cette époque une mission vers Bignona (voir bibliographie). Leurs recherches permirent de mettre en évidence le caractère guinéen accentué de cette partie du Sénégal. Puis, en 1961, A. VILLIERS, R. ROY et M. CONDAMIN firent, plutôt des prospections entomologiques. La forêt de Santiaba Mandjak (comprise actuellement dans le Parc) apparut particulièrement intéressante lors de cette mission, ce qui amena M. CONDAMIN à y faire l'année suivante des prospections plus poussées, G. MOREL de l'ORSTOM effectua une mission ornithologique au printemps 1969 ; enfin J. M. THIOLLAY, ornithologue du C.N.R.S., 0. FOURNIER, B. HUBERT et F. ADAM, de l'ORSTOM, entreprirent plus récemment des recherches sur les Vertébrés sous la direction de; F. PETTER, du Muséum national d'Histoire naturelle de Paris.

Nous-même, depuis quatre ans. dans le cadre d'inspections dans la région en vue de connaître les limites du nouveau l'arc, travaillons aux inventaires ornitho-mammalogiques du Parc national de basse Casamance et de sa région. Depuis février 1970, une brigade de surveillance a été installée en permanence sur place dans le Parc, ce qui a permis de faire de nombreuses et intéressantes observations sur la faune. C'est l'ensemble des résultats ainsi obtenus pour les Mammifères qui fait l'objet de la présente note.

Durette-Desset, M.-C. and A.-G. Chabaud (1975). Nématodes Trichostrongyloidea: Parasites de Microchiroptères.

1. a) Liste des Nématodes, parasites de Chiroptères européens récoltés par le Pr Aellen: compléments à l'étude morphologique de *Molinostrongylus alatus, M. panousei, M. skrjabini*; description de *M. aelleni* n. sp.

b) Description de *M. richardae* n. sp., *M. benexae* n. sp. et *M. bauchoti* n. sp. parasites de Molossidae malgaches.

c) Description de *M. colleyi* n. sp. et *M. owyangi* n. sp., parasites de Vespertilioninae malais, et d'*Allintoschius dunni* n. sp., trouvé chez *Myotis mystacinus* en Malaisie et *Pipistrellus nanus* en Afrique.

2. D'après le synlophe, les 17 espèces du genre *Molinostrongylus* semblent se répartir en cinq groupes d'espèces, chacun d'eux étant assez caractéristique d'un genre déterminé de Chiroptères.

3. La composition de la nématofaune (Trichostrongyloidea) des Chiroptères est analysée, ainsi que ses rapports avec les Trichostrongyloidea d'autres Mammifères (Tupaiidae, Pholidotes, Primates, Sciuridés). Six groupes sont individualisés, constituant deux ensembles bien distincts: genre *Strongylacantha*, d'une part; 12 genres plus ou moins directement issus des Molineinae, d'autre part.

4. Les trois pointes de l'extrémité caudale des femelles, qui définissent actuellement les Anoplostrongylinae par rapport aux Molineinae, se révèlent un caractère insuffisant. Les deux sous-familles forment un ensemble complexe, qui ne pourra être interprété qu'en tenant compte également de l'évolution du synlophe et de celle des bourses caudales des mâles.

Trichostrongyloidea Nematodes parasites from Microchiroptera.

1. a) List of Nematodes collected by Professor Aellen in european Microchiroptera. Additionnai morphological data to the study of *Molinostrongylus alatus, M. panousei, M. skrjabini*. Description of *M. aelleni* n. sp.

b) Description of *M. richardae* n. sp., *M. henexae* n. sp. et *M. bauchoti* n. sp., parasites of malagasian Molossidae.

c) Description of *M. colleyi* n. sp. and *M. owyangi* n. sp., parasites of Malaysian Vespertilioninae, and of *Allintoschius dunni* n. sp. discovered in *Myotis mystacinus* from Malaysia and *Pipistrellus nanus* from Africa.

2. Taking into account the characteristics of the synlophe, the 17 species of the genus *Molinostrongylus* may be divided into five groups, each one being reasonably well characteristic of the genus of their Chiropteran host.

3. The composition of the Trichostrongyloidea fauna of Chiroptera and its relationship with Trichostrongyloidea from other Mammals (Tupaiidae, Pholidotes, Primates, Sciuridés) are analysed. Six groups are separated and divided into two well defined lines: 1) genus *Strongylacantha*, and 2) 12 genera stemming more or less directly from the Molineinae.

4. The three conical outgrowths at the tip of the female tail which differenciate presently the Anoplostrogylinae from the Molineinae appear to be an unreliable characteristic. The two subfamilies form a complex group which will be better understood if the evolution of the synlophe and that of the caudal bursa of the males are taken into account.

Dusbábek, F. and W. Bergmans (1980). Spinturnicid mites from some Nigerian bats (Acarina, Spinturnicidae).

Five species of mites "belonging to three genera of the family Spinturnicidae are reported from six species of bats in Nigeria. The species are *Menstaspis kenyaensis* (Radford), *Ancystvopus aethiopicus* Hirst, *Spintumix walkerae* Zumpt & Till, *S. scotophili repens* ssp.n., and *S. intectus* sp.n. Male and female specimens of the two new taxa are fully described and figured. Zoogeographical and taxonomical implications of the results of this study are discussed.

Eger, J. L. and R. L. Peterson (1979). Distribution and systematic relationship of *Tadarida bivittata* and *Tadarida ansorgei* (Chiroptera: Molossidae).

Morphologically similar *Tadarida bivittata* and *T. ansorgei* inhabit dry, woodland savannah areas of central Africa, where they are partially sympatric. Specimens of these species were divided into population samples based on geographic proximity. Multivariate analysis of variance indicated that both species are sexually dimorphic. Results of principle components analysis illustrated interspecific differences. In areas of sympatry, specimens were subjected to discriminant analysis to confirm their identity. Based on this analysis, classification functions are provided as a useful aid for identifying the two species.

Les espèces morphologiquement semblables *Tadarida bivittata* et *T. ansorgei* habitent les régions sèches des savanes boisées du centre de l'Afrique ou elles sont partiellement sympatriques. Des spécimens de ces espèces ont été divisés en échantillons de population, selon leur proximité géographique. L'analyse multidimensionnelle de la variance indique que les deux espèces font preuve de dimorphisme sexuel. Les résultats de l'analyse des composantes principales illustrent les différences interspécifiques. Dans les régions ou les deux espèces sont sympatriques, les spécimens ont été soumis à une analyse discriminatoire permettant d'en confirmer l'identite. Cette analyse a permis d'établir des fonctions de classification qui facilitent la séparation des deux espèces.

Eisenberg, J. F. and D. E. Wilson (1978). Relative brain size and feeding strategies in the Chiroptera.

Brain weights were estimated from the cranial volumes of 225 species of Chiroptera. The log of the average cranial volume was regressed against the log of the average body weight and the results analyzed for correlations with phylogenetic affinity and foraging strategy. It is concluded that the family Phyllostomatidae shows a strong convergence of brain to body weight ratios toward the patterns shown by the Pteropidae. Foraging strategies involving the location of rich food resources which are isolated in small pockets seem to require a large brain weight relative to body mass. If we assume the ancestral chiropteran had a brain structured more like a terrestrial insectivore, then the highly specialized aerial insectivores with the lowest relative brain to body weight ratios of the extant chiroptera reflect an evolutionary tendency to maintain the brain mass at a minimum weight.

Eisentraut, M. (1942). Beitrag zur Oekologie Kameruner Chiropteren.

Während eines 6 wöchigen Aufenthaltes in Kamerun wurden 10 Chiropterenarten beobachtet, davon zwei Vertreter der Flughunde und 8 Vertreter der Kleinfledermäuse. Es werden u. a. das Vorkommen, die Tagesquartiere, ernährungs- und fortpflanzungsbiologische Eigentümlichkeiten behandelt, insbesondere Unterschiede zwischen Frucht- und Insektenfressern und die Fortpflanzungszeiten. Ferner wird auf die Variation der Fellfärbung bei einigen Arten eingegangen.

Eisentraut, M. (1945). Biologie der Flederhunde (Megachiroptera). Nach einem hinterlassenen Manuskript von Dr. Heinrich Jansen.

Im Anschluß an meine biologisch-ökologischen Arbeiten über heimische Fledermäuse entstand der Plan, diese Studien auch auf fremdländische Vertreter auszudehnen. Unter anderem war beabsichtigt, die Ernährungsbiologie der gesamten Chiropteren zu bearbeiten. Eine im Jahre 1938 unternommene Reise nach Kamerun sollte mit dazu dienen, tropische Vertreter, insbesondere auch Megachiropteren, an Ort und Stelle kennenzulernen und sowohl Beobachtungs- wie auch anatomisches Material zusammenzubringen. Mit den nahezu abgeschlossenen Literaturstudien wurde die geplante Arbeit dann bei Ausbruch des zweiten Weltkrieges zwangsläufig unterbrochen.

Unterdessen übersandte mir nun Herr Prof. Dr. H. WEBER aus dem Nachlaß des am 23.9.1933 verstorbenen Zoologen Dr. HEINRICH JANSEN ein umfangreiches, noch nicht veröffentlichtes Manuskript über die "Biologie der Flederhunde" zur Durchsicht. Bei einer eingehenden Prüfung erschien die Arbeit in der vorliegenden Form recht wenig zum Druck geeignet. Die bisweilen allzu ausführliche Wiedergabe von nebensächlichen oder gar falsch gedeuteten, in der Literatur niedergelegten Beobachtungen beeinträchtigte erheblich die geschlossene Darstellung und ließ die tatsächlichen Gegebenheiten nicht klar hervortreten. Auch die Einteilung des Stoffes erschien nicht immer glücklich. Im Hinblick auf meine eigenen Pläne entschloß ich mich daher gern, die mir von Herrn Prof. Dr. WEBER in liebenswürdiger Weise angebotene Umarbeitung des JANSENschen Manuskriptes zu übernehmen. Es mußte dabei außer zahlreichen textlichen Veränderungen an vielen Stellen eine erhebliche Kürzung vorgenommen werden. Einige Kapitel erforderten eine weitgehende Neubearbeitung. Bisweilen waren auch ergänzende morphologisch-anatomische Untersuchungen notwendig, für die mir von Herrn Prof. Dr. POHLE in dankenswerter Weise das entsprechende Material aus der Säugetierabteilung des Zoologischen Museums Berlin zur Verfügung gestellt wurde. Wohl annähernd vollständig waren in dem Manuskript die bis zum Jahre 1932 vorliegenden Arbeiten berücksichtigt. Dies war um so erfreulicher, als durch die kriegsbedingten Umstände die Beschaffung der Literatur sehr erschwert war, so daß meist auch keine Nachkontrolle der, von JANSEN angeführten Stellen vorgenommen werden konnte. Nach Möglichkeit aber wurde versucht, die nach 1932 erschienenen Arbeiten, soweit diese mir nicht schon durch die früheren Literaturstudien bekannt waren, einzusehen. Die Absicht, dem Text geeignete Abbildungen beizugeben, konnte infolge der erwähnten Schwierigkeiten nur in begrenztem Umfange zur Ausführung kommen.

Zu besonderem Dank verpflichtet bin ich den Herren Professor Dr. EIDMANN und Prof. Dr. KENSCH für Überlassung von Photos aus eigenem Besitz, ferner Herrn Prof. Dr. POHLE für Photos aus der Bildersammlung der Säugetierabteilung des Zoologischen Museums Berlin. Herrn Prof. Dr. O. v. WETTSTEIN danke ich herzlich für seine Bemühungen um Beschaffung einiger Abbildungen aus der Literatur und Nachkontrolle einer mir nicht zugänglichen Literaturstelle.

In vielen Punkten ist unsere Kenntnis von der Biologie der Flederhunde noch sehr lückenhaft, besonders hinsichtlich der feineren Unterschiede bei den einzelnen Arten. Dies ist mir bei Abschluß der Durcharbeitung immer mehr zum Bewußtsein gekommen. Die vorliegende Zusammenstellung kann daher keine abschließende Biologie sein. Weitere intensive Forschung und mühevolle Kleinarfbeit sind notwendig, um immer tiefer in die Lebensäußerungen dieser durch ihre vornehmlich nächtliche Lebensweise der Beobachtung oft nur schwer zugänglichen Tiere einzudringen

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Eisentraut, M. (1956a). Der Langzungen-Flughund, *Megaloglossus woermanni*, ein Blütenbesucher.

Auf Grund von Pollenfunden im Magen muß der einzige in Afrika heimische Vertreter der Langzungen-Flughunde, *Megaloglossus woermanni*, als Blütenbesucher angesehen werden. Es werden kurz die morphologisch-anatomischen Merkmale, die eine Anpassung an den Blütenbesuch erkennen lassen, beschrieben.

Eisentraut, M. (1956b). Beitrag zur Chiropteren-Fauna von Kamerun (Westafrika).

Während zweier Reisen in das britische Mandatsgebiet von Kamerun, 1938 und 1954, wurden 273 Chiropteren gesammelt, die sich auf 4 Megachiropterenarten (dazu eine nur beobachtete Art) und 14 Microchiropterenarten verteilen. Die systematische Bearbeitung ergab die Aufstellung einer neuen Spezies, *Hipposideros camerunensis*, die mit *Hipposideros cyclops* nahe verwandt ist und sich in erster Linie durch bedeutende Körpergröße auszeichnet. Die bisher als Unterart zu *Rhinolophus alcyone* gestellte Form *alticolus* muß als selbständige Spezies angesehen werden. *Pipistrellus culex, Eptesicus tenuipinnis* und *Rhinolophus landeri* wurden erstmalig für Kamerun nachgewiesen. Für die einzelnen Arten werden morphologische Besonderheiten hervorgehoben und ökologische Daten angegeben.

Ferner wird ein Überblick über das Vorkommen der Fiedertiere in dem engeren Gebiet und ihre Verbreitung in den Höhenstufen des Kamerungebirges gegeben. In diesem Zusammenhang werden auch die Tagesquartiere und das nächtliche Treiben der Fledermäuse behandelt. Die gesammelten Beobachtungen über die Fortpflanzungstätigkeit sprechen für begrenzte Fortpflanzungszeit. Die bei Megachiropteren festgestellten Zahnanomalien (Auftreten überzähliger Zähne) dürften im Zusammenhang mit den bei ihnen auftretenden Funktionsverminderungen infolge Anpassung an Frucht- und Blütennahrung stehen.

Eisentraut, M. (1958). Beitrag zur Chiropterenfauna Ostafrikas. (Ergebnisse der Deutschen Zoologischen Ostafrika-Expedition 1951/52. Gruppe Lindner, Stuttgart, Nr 28, und Gruppe Knipper, Bremen).

Die von den beiden getrennt operierenden Gruppen der Deutschen Zoologischen Ostafrika-Expedition 1951/52 im Tanganyika-Gebiet gesammelten Chiropteren verteilen sich auf 13 Arten, und zwar 10 Fledermäuse und 3 Flughunde; dazu kommen 2 jugendliche Exemplare von Epomorphoriden, deren genaue Artzugehörigkeit aus Mangel an geeignetem Vergleichsmaterial zunächst offenbleiben muß. Die meisten Arten sind zwar für das Gebiet bekannt (vgl. G. H. SWYNNERTON & R. W. HAYMAN: A Check List of the Land Mammals of the Tanganyika Territory and the Zanzibar Protectorate. J. East Africa nat. Hist. Soc., 1950, Vol. XX), doch wird unsere Kenntnis von ihrer Verbreitung durch die neuen Fundorte ergänzt. Eine Art, *Nycteris aurita*, ist für Tanganyika neu. Im Hinblick auf die noch immer recht mangelhaften Angaben über die Ökologie vieler Arten sind die während des Aufenthaltes in Afrika von H. KNIPPER und G. ZINK (als Teilnehmer der Gruppe LINDNER und von Ende Juni 1952 ab als alleiniger Bearbeiter) gesammelten biologischen Beobachtungen beigefügt.

Für einen Vergleich und eine Nachbestimmung einer Reihe von Arten bin ich Herrn Dr. V. AELLEN (Genf) zu herzlichem Dank verbunden. Ebenso danke ich Herrn R. W. HAYMAN (London) für die Begutachtung einiger Arten.

Eisentraut, M. (1960a). Der Rassenkreis *Rousettus aegyptiacus* E. Geoff.

Im Gebiet des Kamerangebirges leben zwei *Rousettus*-Arten: der kleine *R. angolensis* Bocage und eine größere Art, die bisher nur in wenigen Stücken gesammelt und von den einzelnen Autoren systematisch, verschieden eingruppiert wurde. Von ihr erwähnt wohl als erster Matschie (1891) ein Exemplar von Buea (1000m hoch am SO-Hang des Kamerungebirges gelegen), das er anfänglich als *Cynonycteris (= Rousettus) unicolor* bestimmte. Diese Form wurde von Gray (1870) unter dem Namen *Eleutherura unicolor* für Gabun beschrieben, später aber als Synonym zu dem in Ägypten und den angrenzenden Gebieten heimischen *R. aegyptiacus* gestellt. Sjöstedt (1897) sammelte einige Exemplare von den Orten Bibundi, N'dian, und Bonge am Fuße und nordwestlich vom Kamerungebirge. Er stellte sie zu *Cynonycteris collaris (= Rousettus leachi)*, einer Form, die in Ost- und Südafrika verbreitet ist. Gleichzeitig teilte er mit, daß sich Matschie bei einem Vergleich dieser Stücke mit seinem Buea-Exemplar überzeugt habe, daß letzteres ebenfalls zu *collaris (= leachi)* gehöre. 1936 erwähnt Sanborn drei Stücke, wiederum von Buea, und stellt sie zu *R. aegyptiacus*. Das gleiche tat Sanderson (1940) mit seinem aus dem nördlich vom Kamerungebirge gelegenen Mamfe-Gebiet mitgebrachten *Rousettus*. Jeannin (1936) nimmt an, daß *Rousettus aegyptiacus* wahrscheinlich in ganz Kamerun vorkomme, aber sehr selten sei, und Aellen (1952) führt neben *angolensis* auch *aegyptiacus* für Kamerun an.

Nachdem ich von meinen beiden ersten Kamerunreisen (1938 und 1954) nur *R. angolensis* gesammelt hatte, gelang es mir, während meiner dritten Reise (1957/58), die ausschließlich der Erforschung der Wirbeltierfauna des Kamerungebirges gewidmet war, auch von der zweiten größeren Art eine stattliche Serie von 83 Exemplaren zusammenzubringen. Sie gehören zweifellos in den *aegyptiacus*-Rassenkreis, sind aber keineswegs identisch mit der Rasse *aegyptiacus* und auch nicht mit dem ost- und südafrikanischen *leachi*, so daß eine Abtrennung als Subspezies gerechtfertigt erscheint. Ihre genauere Bearbeitung veranlaßte mich, die verwandtschaftliche Beziehung und geographische Verbreitung der für Afrika und einige angrenzende Gebiete bekannten Formen des Rassenkreises *R. aegyptiacus* näher zu untersuchen.

Eisentraut, M. (1960b). Zur Kenntnis der westafrikanischen Flughundgattung *Scotonycteris*.

Die Gattung *Scotonycteris* mit der Art *zenkeii* wurde von Matschie (1894) nach einem von Zenker bei Yaunde (Süd-Kamerun) erbeuteten Stück (? ad) aufgestellt. Ein Weiterer Fundort für diesen bemerkenswerten Vertreter der Flughunde ist der Elefanten-See (Barombi Lake) bei Kumba, den Sjöstedt (1897) erwähnt. Ein von der Insel Fernando Poo stammendes Stück (? ad) wurde von Thomas (1904) als besondere Art, *Sc. bedfordi*, beschrieben, dann aber von Andersen (1912) mit Recht zu *zenkeri* gestellt, so daß *bedfordi* als Synonym zu gelten hat. Als besondere Unterart, *occidentalis*, beschrieb schließlich Hayman (1946) ein von Cansdale bei Oda im Gebiet der Goldküste gesammeltes Exemplar, wiederum ein ? ad.

Die zweite, bedeutend größere Art, *ophiodon*, wurde erst 1943 von Pohle nach einem im Berliner Museum befindlichen, von Zenker 1898 bei Sipindi (Kribi-Bezirk, Süd-Kamerun) gesammelten und bis dahin in Alkohol aufbewahrten Exemplar (? subad.) beschrieben. Bald danach gelang es wiederum Cansdale und ebenfalls bei Oda (Goldküste), ein erwachsenes ? von *ophiodon* mit dazugehörendem Pullus zu erbeuten. Das Stück kam in das Britische Museum nach London und wurde von Hayman (1945) als neue Subspecies, *cansdalei*, beschrieben. Dies ist im wesentlichen alles, was wir bisher über das Vorkommen der beiden *Scotonycteris*-Arten wissen.

Während meiner 3. Kamerunreise (1957/58) gelang es, von beiden Arten einiges Material zu sammeln. Die Erbeutung von 3 Exemplaren von *Sc. Ophiodon* und 4 Exemplaren von *Sc. Zenkeri* verdanke ich der Methode des Netzfanges. Offenbar leben die Tiere am Tage sehr versteckt im Niederungswald. Die erwähnten Stücke fingen sich über Nacht in den zwischen Bäumen oder Stangen am Waldrand ausgespannten Nylonnetzen (sogenannten Japannetzen) und kamen auf diese Weise lebend und unverletzt in meine Hand. Damit sind nun sowohl von *ophiodon* als auch von *zenkeri* beide Geschlechter in adultem Zustand vertreten; ferner liegt mir je ein subadultes Stück vor. Zur Abrundung unserer Kenntnis von dieser in Museen so überaus selten vertretenen Gattung möchte ich im folgenden, unter Beifügung der Maßangaben, die Beschreibung einiger Details bekanntgeben. Die charakteristischen Merkmale der Gattung sind in der Literatur hinreichend gekennzeichnet.

Eisentraut, M. (1960c). Zwei neue Rhinolophiden aus Guinea.

Bei der Bearbeitung der von Herrn HANS KNORR 1956 in Guinea (ehemals Französisch-Guinea) gesammelten Fledermäuse (EISENTRAUT und KNORR 1957) war bereits auf zwei Rhinolophiden hingewiesen, deren genaue Determination auf Grund einiger abweichenden Merkmale auf Schwierigkeiten stieß. Die eine Form, zweifellos in die nächste Verwandtschaft von *alcyone-landeri* gehörig, wurde zunächst als *Rhinolophus landeri* Martin subsp. ? geführt, eine Art, deren Nominatrasse für Westafrika bekannt ist. Die zweite Form, die sich durch besondere Kleinheit auszeichnet, steht der in Süd- und Südwestafrika verbreiteten Art *Rhinolophus denti* Thomas sehr nahe. Nachdem ich inzwischen im British Museum (Natural History) in London Gelegenheit hatte, dort befindliches Vergleichsmaterial, insbesondere auch das Typenmaterial von *Rh. Denti* zu vergleichen, ist es mir nunmehr möglich, eine abschließende Bearbeitung des KNORR'sehen Materials vorzunehmen und die beiden Formen zu beschreiben. Den Herren Dr. CROWCROFT und R. W. HAYMAN (London) bin ich für die Erlaubnis, im Britischen Museum arbeiten und das dortige Material untersuchen zu können, zu besonderem Dank verpflichtet. Ebenso danke ich herzlich den Herren Dr. V. AELLEN (Genf) und Dr. J. DORST (Paris) für die Begutachtung der ihnen übersandten Sammlungsstücke.

Eisentraut, M. (1964). La faune de chiroptères de Fernando-Po.

Etude comparative de collectes de Chiroptères de l'île de Fernando-Pô et de la région continentale la plus voisine, les monts Cameroun, à la suite de missions de terrain dans les deux régions. La faune de l'île est un peu plus pauvre et ne comprend pas de représentants des genres *Epomophorus* et *Micropterus*, ni la Roussette *Epomops franqueti*. Il n'y a pas, contrairement à ce qui a été dit, de formes

- espèces, sous-espèces ou races - endémiques de l'île. La détermination de races n'est d'ailleurs pas valable pour les Chiroptères. Certaines espèces n'étaient pas jusqu'alors connues de l'île: *Rhinolophus alcyone, Hipposideros curtus*. L'auteur a obtenu du Père Basilio des données sur d'autres espèces non encore signalées: *Xiphongcteris spurrelli, Hipposideros cyclops*. Chaque espèce fait l'objet de remarques sur sa position taxinomique et d'observations sur son abondance, son habitat, son comportement, sa nourriture, sa reproduction.

Eisentraut, M. (1965). Der Rassenkreis *Rousettus angolensis* (Bocage).

Die im British Museum (Nat. Hist.) in London befindlichen Stücke von *Rousettus angolensis* zeichnen sich durch besondere Größe aus. Sie müssen als östliche Rasse, die unter dem Namen *ruwenzorii* näher beschrieben wird, von den westlichen Vertretern des Rassenkreises, nämlich *angolensis* und *smithi*, abgetrennt werden. Letztgenannte Form ist die kleinste. Der Rassenkreis gibt ein schönes Beispiel für Größenzunahme von West nach Ost, die vor allem beim Vergleich der Schädelmaße zum Ausdruck kommt.

Eisentraut, M. (1968). Die tiergeographische Bedeutung des Oku-Gebirges im Bamenda-Banso-Hochland (Westkamerun).

Nach einer erstmaligen Zusammenstellung aller für das Oku-Gebirge im Bamenda-Banso-Hochland nachgewiesenen Säugetiere werden die Säuger- und Vogelarten dieses Gebietes herausgestellt, die teils eine enge Beziehung zu ostafrikanischen Vertretern erkennen lassen, teils als endemische Formen auftreten. Für diese tiergeographischen Gegebenheiten dürften in erster Linie die pleistozänen Klimaschwankungen von besonderer Bedeutung gewesen sein.

Eisentraut, M. (1969). Gibt es in West-Afrika eine auf Montangebiete beschränkte Säugetierfauna?

Die Bearbeitung einer umfangreichen Säugetieraufsammlung von W-Kamerun und Fernando Poo hat ergeben, daß wir in diesen gebirgigsten Teilen W-Afrikas einen hohen Prozentsatz von Formen finden, die in ihrer vertikalen Verbreitung auf Montangebiete beschränkt sind. Es handelt sich teils um Montanarten, teils um Montanrassen weiter verbreiteter und in anderen Rassen auch im Tiefland vorkommender Arten. Wir können daher - gegenüber der von manchen Autoren vertretenen gegenteiligen Ansicht - auch bei Säugetieren ebenso wie z. B. bei Vögeln und Schmetterlingen von einer Montanfauna und einer Tieflandfauna sprechen. In dem im Kameruner Hinterland gelegenen Oku-Gebirge ist sogar die Mehrzahl der bisher von dort bekanntgewordenen Säuger als montan anzusehen.

Eisentraut, M. (1974). Mammalogische Notizen aus Kamerun.

Es wird über eine kleine Aufsammlung von Säugetieren aus der Sudanzone in Nord-Kamerun und aus dem Waldgebiet von Süd-Kamerun berichtet. Einige bemerkenswerte fortpflanzungsbiologische Beobachtungen an den beiden Flughundarten *Epomops franqueti* und *Megaloglossus woermanni* betreffen die bisher noch ungenügend geklärte Frage des Mitnehmens der Neugeborenen durch die Mutter während des nächtlichen Nahrungsfluges und das Auftreten von verschieden weit entwickelten dizygoten Zwillingen.

Eisentraut, M. (1975). Weiterer Beitrag zur Saugetierfauna von Kamerun.

A report on a collection of mammals from the savanna region of northern Cameroon is given. There are represented almost exclusively savanna dwellers typical of the Sudan and Guinea zones; only a few forms are to be found in the region of tropical rain-forest, too. In a supplement a list is given of mammals collected in the mountain forest region of Mt. Lefo near Bamenda, the mammal fauna of which had not yet been studied. Among the species listed there, *Colomys gosling* is of particular interest, its area of distribution being extended to western Cameroon.

Eisentraut, M. and H. Knorr (1957). Les Chauves-souris cavernicoles de la Guinée française.

Notre connaissance des chauves-souris habitant la partie côtière occidentale de la Haute-Guinée est encore très incomplète. Les prospections ont cependant déjà conduit à de nombreux résultats surprenants. Ce district est en effet remarquable au point de vue biogéographique et faunistique, en ce qu'il forme une zone de passage entre la zone côtière couverte de forêt primaire à l'est et les savanes du nord et du nord-ouest et que les éléments faunistiques correspondants s'y mélangent. De nombreux éléments propres à la forêt, d'origine orientale, atteignent ici leur limite occidentale de dispersion. En outre, on rencontre une série de formes endémiques, propres à ce district d'après nos connaissances actuelles.

Nous faisons une allusion particulière au Rhinolophe géant, *Rh. maclaudi*, que Pousargues a déjà décrit en 1897 de Guinée française, d'après un exemplaire unique, et qui fut retrouvé en 1954 - un exemplaire unique lui aussi - par A. Villiers (voir V. Aellen 1956). En 1939, Monard a décrit l'Emballonuridé qu'il avait trouvé en Guinée portugaise, *Coleura kummeri*, et en 1954 Villiers retrouva celui-ci en Guinée française. Cette espèce est jusqu'à présent le seul représentant en Afrique occidentale de ce genre dont on ne connaissait jusqu'alors que plusieurs espèces des Séchelles et d'Afrique orientale. De plus Monard a trouvé en Guinée portugaise un nouvel Hipposidériné, *Hipposideros braima*. Une espèce remarquable, très différente des autres espèces du genre, est par ailleurs *Hipposideros jonesi*. Cette chauve-souris a été décrite en 1947 du Sierra Leone par Hayman et n'était connue que par trois exemplaires jusqu'à présent. Des cinq espèces collectées en 1954 par Villiers en Guinée française et étudiées par Aellen, pas moins de quatre étaient nouvelles pour ce district.

De nouvelles connaissances sur la faune des Chiroptères furent acquises par les récoltes que l'un de nous (Hans Knorr) a faites au cours d'un récent voyage en Guinée française. Celui-ci a visité, en compagnie de Mr. Klaus Noack, de septembre à décembre 1956, la partie méridionale du district de Kindia en partant de Conakry, et a collecté dans la région de Yembéré-Tahiré, sur le plateau de Kelesi et dans le district situé entre Nerebily et Kolenté, sur les plateaux de Salung et de Kankuya. Le territoire de collecte est compris dans le triangle Kindia-Mambia-Kolenté. Une attention spéciale a été consacrée aux nombreuses grottes, pour une grande part encore inconnues, de cette région. Le matériel fut acquis par le *Staatliches Museum für Naturkunde* de Stuttgart. Dans ce travail, nous donnons les résultats acquis sur le plan systématique en même temps que les observations biologiques que nous avons pu recueillir. La détermination subspécifique de deux Rhindlophes (*landeri* et *denti*) et d'un *Hipposideros (caffer)* ne peut être donnée avec certitude et est réservée pour un travail ultérieur.

Nous sommes reconnaissants au Dr. Jean DORST et au Dr. V. AELLEN (Genève) pour les déterminations et l'examen de quelques espèces. Nous remercions en outre le premier pour la traduction du texte en français.

Elbl, A., U. H. Rahm and G. Mathys (1966). Les mammifères et leurs tiques dans la forêt du Ruggege (République Rwandaise).

This study presents the result of a three week period of intensive collection and examination of mammals in the Forest of Ruggege, a primary mountain forest on the western border of the Republic of Rwanda, from the viewpoint of ecology, of the mammals and of the Ixodid ticks found on these mammals. The study covers 16 ecologically different trapping areas, five hunting areas and four areas of large mammal examination which can be divided into three categories - virgin (primary) forest,

secondary forest, zone of cultivation and human activity - and in which a total of 203 small mammals were trapped, nine large wild mammals were killed and 66 domestic animals were examined.

These mammals belong to 44 different species and subspecies, of which one species and one subspecies are new to science: *Lophuromys rahmi* n. sp. Verheyen, 1964, *Lophuromys luteogaster* Hatt n. ssp. Verheyen (in press) and 18 species are reported for the first time from this region of Rwanda. A total of 107 of these mammals were found to be parasitized by Ixodid ticks (Ixodoidea, Ixodidae) while 166 had various other acarines (gamasids and trombiculids), 70 had fleas and 48 had lice.

The ixodid ticks collected, belong to five genera (*Amblyomma, Boophilus, Haemaphysalis, Ixodes, Rhipicephalus*) and represent 14 species. Five of these species are reported for the first time from Rwanda while the male of one species, *Ixodes muniens*, is reported for the first time ever. The tick species can be divided into species apparently indigenous to the forest as well as species apparently introduced into the forest by the passage of domestic animals.

Während einer driewöchigen, intensiven Fang- und Sammeltätitgkeit wurden im Gebirgswald von Ruggege, einem Urwald, der sich an der Westgrenze der Rwanda-Republik hinzieht, alle, meist kleinen Säugetiere und die darauf parasitierende Zecken zwecks ökologischer Studien untersuche. Die Erhebungen beziehen sich auf 16 ökologisch verschienden Fangzonen, fünf Jagdgebiete und vier Zonen, in dene Große Säugetiere untersucht wurden. Man kann diese verschiedenen Zonen in drei Hauptgruppen aufteilen: Urwals, sekundärer Wald und kultivierte Zonen, die direkt unter dem Einfluß des Menschen stehen. Insgesamt konnten 203 kleine Säugetiere, neun große Säugetiere und 66 Haustiere erfaßt werden.

Diese Säugetiere gehören 44 verschienden Arten und Unterarten an, wovon eine Art und eine Unterart neu sind: : *Lophuromys rahmi* n. sp. Verheyen, 1964, und *Lophuromys luteogaster* Hatt n. ssp. Verheyen (im Druck). Daneben sind 18 Arten erstmals aus diesem Gebiete des Rwanda erwähnt. Insgesamt waren 107 dieser Säugetiere durch Ixodes-Zecken (Ixodoidea, Ixodidae) befallen und 166 Tiere waren Träger von andern Milben (Gamasiden und Trombiculiden). Im übrigen zeigten sich auf 70 Tieren Flöhe und auf 48 Individuen Läuse.

Ellerman, J. R., T. C. S. Morrison-Scott and R. W. Hayman (1953). Southern African Mammals 1758 to 1951: a reclassification.

Notes in REFN 43

Elliot, D. G. (1897). List of mammals obtained by the Field Columbian Museum East African Expedition to Somali-land in 1896.

The chief reason that induced the Field Columbian Museum to send an expedition to Africa was the knowledge that the large wild animals were rapidly becoming extinct, and that no time was to be lost if examples of these still living species were to be procured for the Institution, to show to those who come after us the creatures that once in countless numbers roamed over the plains and in the forests of the Dark Continent. The Expedition was uncommonly successful in obtaining ample series of nearly all the species inhabiting the country it traversed, and beside the specimens themselves there were brought back photographs, casts of the head and muscles, and ample measurements of the Specimens obtained. Unfortunately, on account of the illness of members of the Expedition, it was unable to penetrate as far into the interior as was intended, so a few species that would undoubtedly have been obtained are omitted from the list. Many more examples of the different species could easily have been procured, but after what was considered to be a sufficient number had been secured no more weru killed, no matter how often the animals were encountered.

Elliot, D. G. (1907). A catalogue of the collection of mammals in the Field Museum of Natural History.

The present Catalogue purports to give the names and the number of specimens of Mammals in the Field Columbian Museum up to the date of issue. When the Author took charge of the Department of Zoology, as constituted in this Institution, the collection of Mammals was composed of a limited number of mounted examples furnished by the Ward Natural Science Establishment of Rochester, New York, many of them not freshly prepared, and nearly all with unreliable data of locality, causing them to be practically of little scientific value specifically, but useful to a certain degree as representatives of genera. There were no mammal skins, and consequently a study collection did not exist. At the present time a fair start has been made, and about fifteen thousand specimens are now in the Museum collection, the major portion, as is proper, being unmounted and reserved for scientific study and comparison. Knowing that the value of a museum's material depends greatly upon how much is available for scientific research, it has been the Author's policy to restrict the number of mounted specimens to as few as would give a proper conception as possible to the visitor, of the Order, Family, and usually the species, represented. To go beyond this would be but the production of useless repetitions, wearying to the observer and profitable [to no one. Naturally, when beginning the formation of a collection, the material nearest at hand was sought, and consequently the mammalian fauna of the United States occupies the largest portion of the Catalogue. The Author has not, however, been unmindful of exotic forms, and as many foreign species have been procured as possible, rather special attention having been given to Wild Horses and African Antelopes, - important and beautiful creatures advancing rapidly toward extinction. Although purchases have been liberally made, yet by such means the making of a collection would be necessarily slow and unsatisfactory, for the main dependence for achieving success and a collection at the same time is, of course, work in the field. The expedition to Africa under the Author's leadership produced large results, and numbers of valuable specimens were secured, the majority being various species of Antelopes. By keeping collectors constantly at work, mostly thus far in North America, it has been possible to bring together a sufficiently large number of specimens to constitute a nucleus for the grand collection it is hoped the Museum may eventually possess, and cause it to take its position in the front rank of the great world-embracing Institutions devoted to the scientific study of Natural History, and whose influence is felt and recognized throughout the earth. In the exhibition of mammals much attention, and, it may be added space also, has been given to groups, and specimens of single species of different ages and sexes have been brought together and placed in a miniature landscape of the country in which they once dwelt. Their environment was thus the natural one. When practicable this is the most satisfactory method of exhibiting specimens ; but it is limited, for no matter how large the museum building may be, only a very small portion of a collection could be so arranged, and if continued to any excess, other and equally important exhibits could not be shown. Mounting specimens in groups, therefore, must from sheer necessity be always limited.

Every example in the Museum that has passed through the Author's hands is contained in this Catalogue, together with all the information possessed regarding it; commencing with the sex, whether collected, purchased, presented, or exchanged, followed by the locality in which it was taken, the person or institution from which it was procured, ending with the name of the collector. The signs and abbreviations used are: ?, male; ?, female; Coll., collected; P., purchased; Pres., presented; and Exch., exchanged. The arrangement is that of the Check-List of Mammals of the North American Continent and West Indies, as far as that work goes, viz.: for the mammals of the North American fauna, the exotic species being relegated to their various positions in accordance with the system of classification adopted by the Author. One species is described, a bat, Uroderma validum, on page 538, the discovery that the specimens represented a new form having been made too late for the Author to avail himself of any of the usual channels of publication and include it at the same time in the present work. In conclusion, it gives me much pleasure to acknowledge my indebtedness to Mr. W. J. Gerhard, Assistant Curator of Entomology, for his valuable aid in reading the proofs as the work passed through the press, and also for constructing the index, in which task considerable help was rendered by my assistant, Mr. E. B. Chope.

El-Rayah, M. A. (1980). Systematics of African molossid bats of the subgenus *Xiphonycteris* of the genus *Tadarida* (Molossidae: Chiroptera)

The morphological variations of the taxa of African molossid bats (genus *Tadarida* Rafinesque, 1814) included by Koopman (1975) in his proposed subgenus *Xiphonycteris* were analysed and compared with five representative taxa of the subgenus *Mops*.

Sexual dimorphism, geographic variation and phonetic similarities were assessed using 31 morphometric characters of 586 specimens utilizing univariate and multivariate analyses. Eight of the taxa tested for sexual dimorphism showed a clear statistical separation of the sexes, with *Tadarida spurrelli* being the most dimorphic (in more than 80 per cent of the characters measured) and *T. midas* the least dimorphic (in 45 per·cent of the characters). Accordingly, males and females were analysed separately.

Phenetic similarities were assessed by cluster analysis using correlation coefficients, average taxonomic distance, subsets and minimum spanning trees together with principal component analysis and nonmetric multidimensional scaling.

Geographic variation in female *T. (X.) nanula*, male and female *T. (X.) leonis* male and female *T. (X.) thersites* and female *T. (X.) spurrelli* was examined by generalized discriminant function analysis. Morphologic similarities among geographic samples, as indicated by the minimum spanning trees computed from the matrices of the square root of the Mahalanobis' generalized distances and superimposed on the discriminant configurations, were compared with geographic distances.

Character variations in geographic samples were tested by univariate analysis using Gabriels' sum of the square simultaneous test procedure (SS-STP) and Power's ranked means. Although character variations are clinal in *T. (X.) leonis*, they are mostly erratic and do not show a clear clinal trend in other taxa. Taxa known as *T. (X.) calabarensis, T. (X.) ochraceus* and *T. (X.) occipitalis* are shown to be synonyms of *T. (X.) nanula, T. (X.) leonis* and *T. (X.) thersites* respectively. Specimens of a previously undescribed taxon were compared with other taxa, diagnosed and named as a new species.

The five taxa found to be valid in the subgenus *Xiphonycteris* (*T. spurrelli, T. nanula, T. leonis, T. thersites* and the new species) were compared phenetically with representative taxa in the subgenus *Mops* (*T. demonstrator, T. condylura, T. trevori, T. congica* and *T. midas*). Results of cluster analysis, principal component analysis and non-metric multidimensional scaling showed that members in both subgenera are phenetically similar.

From a comparison of morphological characters and original descriptions of *T. thersites* (Thomas, 1903), *T. leonis* (Thomas, 1908) and *T. brachyptera* (Peters, 1852), it is shown that *T. brachyptera* is the earliest available name that includes *T. leonis* as a synonym. As the holotype of *T. brachyptera* has been lost and no lectotype or syntype exists, a neotype is designated and described according to article 75 of the International Commission of Zoological Nomenclature, 1964.

Based on number of lower incisors, the reduction of the last upper molar and the palatal emargination, characters on which the genus *Xiphonycteris* and later the subgenus were established, *Xiphonycteris* is shown to be invalid as a genus or as a subgenus. Accordingly, species previously included in the subgenus *Xiphonycteris* are reassigned to the subgenus *Mops*.

Les variations morphologiques des taxa des chauve-souris molossides de l'Afrique (genre *Tadarida* Rafinesque, 1814) comprises par Koopman (1975) dans le sous-genre *Xiphonycteris*, propose par lui, sont analysées et comparées avec cinq taxa typiques du sous-genre *Mops*.

Le dimorphisme sexuel, la variation géographique et les similitudes phénétiques sont évaluées suivant 31 caractères morphométriques de 586 spécimens, en utilisant des analyses autant univariées que multivariées. Parmis les taxa mis à l'épreuve concernant leur dimorphisme sexuel, huit font clairement preuve d'une distinction entre les sexes, dont *Tadarida spurrelli* parait être le plus dimorphique (dans 80 % caractères mesurées) et *T. midas* le moins dimorphique (dans 45 % des caractèrs). C'est pourquoi les mâles et femelles sont séparément analysés.

Les similitudes phénétiques sont évaluées au moyen d'analyse par groupes en utilisant les coefficient corrélatifs, les distances taxonomiques moyennes, les sous-groupes et les arbres d'embranchement

minimal, ainsi que l'analyse des composantes principales et la graduation multidimensionnelle non-mesurée.

La variation géographique de la femelle de la *T. (X.) nanula*, du mâle et de la femelle de la *T. (X.) leonis*, du mâle et de la femelle *T. (X.) thersites* et de la femelle *T. (X.) spurrelli* est examinée par analyse des fonctions discriminantes généralisées. Les similitudes morphologiques entre les échantillons géographiques impliquées par les arbres d'embranchement minimal calculées à partir des matrices de la recine carée des distances généralisées selon Mahalanobis, surimposées sur les configurations discriminantes, sont comparées avec les distances géographiques.

ca Les variations des caractères des échantillons géographiques sont mises à l'épreuve au moyen d'analyse univariée, en utilisant le procédé de tests simultanés de la somme des carrés, selon Gabriel (SS-STP) et des moyennes classées de Power. Quoique les variations des caractèrs soient déclives chez la *T. (X.) leonis*, elles sont pour la plupart erratiques et ne montrent pas une tendance déclive nette pour les autres taxa. Les taxa connus sous les noms de *T. (X.) calabarensis, T. (X.) ochraceus* et *T.(X.) occipitalis* s'avèrent être des synonymes de *T. (X.) nanula, T. (X.) leonis* et *T. (X.) thersites* à leur tour. Un taxon, non décrit jusqu'ici est comparé avec d'autres taxa, diagnostiqué et désigné comme nouvelle espèce.

Les cinq taxa démontrés être valables dans le sous-genre *Xiphonycteris* (*spurrelli, nanula, leonis, thersites* et la nouvelle espèce) sont soumis à une comparison phénétique avec les taxa·représentatif s du sous-genre *Mops* (*domonstrater, condylura, trevori, congica* et *midas*). Les résultats de l'analyse en groupe, de l'analyse des composantes principales et la graduation multidimensionnelle non-mesurée démontrent que les membre des deux sous phénétiquement semblables.

La comparaison des caractèrs morphologiques et descriptions originales de la *T. thersites* (Thomas, 1903), la *T. leonis* (Thomas, 1908) et la *T. brachyptera* (Peters, 1852), démontre que le nom *T. brachyptera* est le nom le plus ancien disponible, et que ce nom comprend la *T. leonis* comme son synonyme. Alors que l'holotype *T. brachyptera* est perdue et qu'apparemment aucun lectotype, ni syntype n'est pas en existence, un néotype est désigné et décrit, d'après l'art. 75 du Comite International de la Nomenclature Zoologique de 1964.

D'après le nombre des incisives inferieures, la réduction de la dernièr molaire supérieure et l'émargination palatine, caractères à la base desquels le genre *Xiphonycteris* et, plus tard, le sous-genre ont été établis-il est maintenant prouvé que la désignation *Xiphonycteris* n'est pas valide, ni comme genre, ni comme sous-genre. Par conséquent, l'espèces auparavant comprises dans le sous-genre *Xiphonycteris* sont maintenant assignées de nouveau au sous-genre *Mops*.

El-Rayah, M. A. (1981). A new species of bat of the genus *Tadarida* (family Molossidae) from West Africa.

As a result of a systematic analysis and review of the nominal species included in the proposed subgenus *Xiphonycteris* (Family Molossidae, Order Chiroptera), a distinct new taxon from West Africa has been confirmed and described.

Entwistle, A. and N. Corp (1997). Status and distribution of the Pemba flying fox *Pteropus voeltzkowi*.

The Pemba flying fox *Pteropus voeltzkowi* is a fruit bat endemic to the island of Pemba, off Tanzania. A total of 41 reported roosting areas were visited in June and July 1995, and 19 occupied roosts were located, most of them in the west of the island, and on small islets off the west and south of Pemba. Roost were situated in primary forest, secondary forest (overgrown clove plantations), traditional graveyards and mangrove areas. A range of sizes and species of trees were used as roosts. The minimum population of *P.voeltzkowi* was estimated to be between 4600 and 5500 individuals. In total 94 per cent of the population was located at 10 roost sites. Larger colonies were associated with roosts located in forests, which together supported 75 per cent of the total bat population. Colonies were of

mixed sex, but no young or obviously pregnant females were observed. Major threats to this species appeared to be hunting and deforestation (both logging and clearing for agriculture) and *P. voeltzkowi* is considered to be endangered.

Erasmus, B. H. and I. L. Rautenbach (1984). New records of occurrences of six species of small mammals in the northern Cape Province.

The occurrence of two rodent species (*Steatomys krebsii* and *Dendromus melanotis*) and four species of bats (*Scotophilus dinganii, Hipposideros caffer, Taphozous mauritianus* and *Rhinolophus darlingi*) is recorded in the northern Cape Province for the first time. The difficulties in positively identifying *R. darling* specimens necessitated a karyological overview and morphometric multivariate analyses of selected representatives of the ten southern African species of *Rhinolophus*.

Die voorkoms van twee knaagdierspesies (*Steatomys krebsii* en *Dendromus melanotis*) asook vier spesies van vlermuise (*Scotophilus dinganii, Hipposideros caffer, Taphozous mauritianus* en *Rhinolophus darlingi*) word vir die eerste keer bevestig vir die noordelike Kaapprovinsie. Die heersende probleme met die positiewe identifikasie van R. darlingi-eksemplare het 'n kariologiese oorsig en morfometriese meervariantanalises van geselekteerde verteenwoordigers van die tien suider-Afrikaanse Rhinolophus-spesies genoodsaak.

Estrada-Peña, A. and C. Sanchez (1988). Two new species of *Steatonyssus* (Acarina: Macronyssidae) from bats in the Canary Islands. with the description of male and protonymph of *Parasteatonyssus hoogstraal* (Keegan).

Two new species of Pataearctic *Steatonyssus* (Acarina; Macronyssidae) parasitinq vespertilionine bats from the Canarv Islands are described: *S. (S.) balcellsi* and *S.(S.) teidae*. The female of *S. (S.) balcellsi* has 11 pairs of podonotal setae none of which are reduced, peritrernal plate divided, sternal plate with posterior margin strongly sclerotized, first pair or sternal setae clearly reduced, and terminal setae on opisthonotal plate longer than other marginal setae. The female of *S. (S.) teidae* is very similar to *tibialis* Till and Evans, but it can be readily separated by a combination of critical characters in the length of tarsus I and peritreme. The male and protonymph of *Parasteatonyssus hoogstraali* (Keegan) from a molossid bat from the Canary Islands are also described.

Se describen dos nuevas especies de *Steatonyssus* Paleárticos (Acarina: Macronyssidae) recogidos sobre rnurciélaqos Vespertiliónidos de las Islas Canarías: *S (S.) balcellsi* y *S. (S.) teidae*. La hembra de *S. balcellsi* tiene 11 pares de sedas podonotales. de las cuales ninguna está reducida, placa peritremal dividida, placa esternal con margen posterior fuertemente esclerotizado. Primer par de sedas esternales claramente reducido y sedas terminales en la placa opistonotal más largals que las otras sedas marginales. La hembra de *S. teidae* es muy similar a *tibialis* Till y Evans, pero puede ser rápidarnente separada por una combinación de caracteres críticos en la longitud del tarso y del peritrerna. Se describen asimismo, el macho y la protoninfa de *Parasteatonyssus hoogstraali* (Kaeqan), recoqidos sabre un murciélago Molosido de las Islas Canarias,

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Estrada-Peña, A. and J. Serra-Cobo (1991). The Acarinia and Nycteribidia zones of *Miniopterus schreibersi* Kuhl (Mammalia: Chiroptera) in the northeast of Spain.

Acarinia and nycteribidia zones of the bat species *Miniopterus schreibersi* Kuhl are studied in an area of northeast of Spain, where captures over a period of five years have been carried out. The species that characterize the mite-tick spectrum are *Ixodes (Pomerantzevella) simplex, Macronyssus longimanus, Macronyssus granulosus* and *Spinturnix psi*; nycteribidium is determined mainly by the presence of *Nycteribia schmidlii*. The life cycle, prevalence, curves of parasitation, and other notes on these most abundant ectoparasites are provided, as well as observations on other ticks, mites, and nycteribiid species found on this bat.

Fa, J. E. (1991). Conservación de los ecosistemas forestales de Guinea Ecuatorial.

1. Guinea Ecuatorial comprende tres entidades geográficas:

a) Una zona continental, la región de Mbini (anteriormente Río Muni), delimitada al norte por la frontera con Camerún (210'N), al este (11) y al sur (1S) por Gabón y al oeste por el océano Atlántico.

b) La isla de Bioco (Fernando Poo), más al norte (330'N) en el Golfo de Guinea.

c) La isla de Pagalu (Annobón), al sur de Santo Tomé y Príncipe, en el océano Atlántico.

2. La región de Mbini es la más importante en cuanto a los recursos forestales pero se encuentran bosques de sumo interés biológico en la isla de Bioco.

3. Guinea Ecuatorial se encuentra en su totalidad dentro del área de la vegetación ecuatorial. La formación vegetal que predomina en la región de Mbini es la pluvisilva tropical densa. Generalmente es una formación arbórea de gran porte, donde es posible encontrar de 70 a 80 especies de árboles, siempre dependiendo del suelo, la pendiente o la acción antropogénica. Esto último es un factor que lleva al bosque a ser un mosaico de formaciones vegetales que refleja el estado de recuperación de la tala y la quema hecha por el hombre. Una proporción importante del territorio de Mbini es utilizado para la agricultura itinerante y está ocupado por diversas etapas de vegetación secundaria, aunque todavía es posible encontrar importantes extensiones de bosque primario.

4. Los mapas (1:100.000) del Servicio Cartográfico del Ejército Español de 1959/1960 y estimaciones hechas en 1980 y 1985 por la FAD, sugieren una reducción notable de la superficie del bosque primario, el que ocupaba más del 50% del país en 1959 y sólo el 28% en 1985. La extensión de bosque secundario ha disminuido de 10% a 8%. La parte occidental de Mbini ha sido la más explotada a causa de su proximidad a la costa. La Cadena de Niefang, por su inaccesibilidad, y la zona oriental, por su lejanía de la costa, particularmente la parte sureste, nunca han sido afectadas.

5. La diversidad biológica del país es alta por su localización en el trópico y debido a que fue un área de refugio Pleistocénico. Hay una gran falta de información en cuanto al número de especies de la fauna y flora del país. Los taxa mejor documentados son los mamíferos. Aún existen en Mbini importantes poblaciones de mamíferos grandes como el búfalo forestal, el gorila, el chimpancé y el elefante de selva. No existen datos exactos sobre la condición de la vida silvestre en Bioco y Pagalu. Por lo menos 18 subespecies de mamíferos y 45 de aves son endémicas de Bioco.

6. El problema más inmediato del país es el de la obtención de divisas que le permitan hacer frente a las importaciones necesarias para la subsistencia de la población, servicios básicos y bienes de capital, así como el pago de la deuda externa. El sector forestal es el que más contribuye a la economía del país. Más del 50% del ingreso nacional proviene de la exportación de la madera. El sector opera por medio de la concesión de bosques a compañías madereras. En la actualidad, hay 15 compañías con concesiones. Anualmente, se exportan aproximadamente 100.000m^3.

7. A pesar de la importancia económica del sector forestal, éste se caracteriza por:

• Una administración forestal con carencia de personal con preparación en la conservación de bosques y uso racional de los recursos naturales. Hay una carencia absoluta también de recursos materiales.

• Una gran escasez tanto de información cartográfica como de inventarios forestales que permitan la evaluación correcta de las tendencias actuales de la explotación o de la planificación de la misma hacia el futuro.

• La presencia de una industria forestal predominantemente empírica.

• La ausencia total de planes de ordenación y reforestación.

8. La creciente demanda de tierras para cultivo en el país se debe al incremento en la población rural. La práctica usual de la agricultura itinerante trae consigo cambios significativos en los bosques del país. Esto representa una fuerte presión sobre los ecosistemas forestales y se calcula que ha significado la desaparición de 65.000 ha de bosque en los últimos 25 años, según datos de la FAO. El bosque es transformado en plantaciones de corta duración de maíz, yuca y cacahuete que de hecho no satisfacen los requerimientos nutritivos dz la población local. En todo el país la caza es una actividad importante. La carne de monte se consume localmente pero también se vende en los centros urbanos y carreteras. Los aldeanos ponen trampas en la proximidad de sus cultivos para atrapar pequeños animales, pero los que poseen armas entran al bosque a cazar antílopes, monos, chimpancés y gorilas.

9. En la actualidad operan tres proyectos directamente relacionados con la conservación de los recursos naturales en Guinea Ecuatorial. El primero, de la FAO y con financiamiento del PNUD, atañe al manejo y la explotación racional de los recursos forestales de Mbini. El proyecto incluye un inventario del bosque, un banco de datos de concesiones forestales, un plan de manejo para los bosques de la región, la capacitación de personal forestal y la implementación de un proyecto piloto cerca de Bata. El segundo programa tiene como enfoque la investigación biológica y la conservación de la naturaleza, goza del apoyo financiero de la Cooperación Española y es llevado a cabo por científicos de la Estación Biológica de Doñana. El tercer proyecto forma parte del programa indicativo de la CEE y su objetivo es encontrar maneras de incrementar la aportación del sector forestal a la economía del país. El programa forestal abarca tres elementos principales: construcción de carreteras forestales, la comercialización de la madera y la conservación de los recursos forestales.

10. El sistema legal del país está en revisión y no existe todavía un marco jurídico que reglamente adecuadamente el uso racional de los recursos naturales de la nación.

Fahmy, M. A. M., A. M. Abdel-Rahman and R. Khalifa (1978). *Trypanosoma (Schizotrypanum) assiutis* sp. nov. from the house mouse *Mus musculus*, with a comparative study on *Trypanosoma (Schizotrypanum) vespertilionis* of the Egyptian bat *Vesperugo kuhli*.

On examination of a house mouse (*Mus musculus*) trapped in Rifa village (Assiut Governorate), a *Trypanosoma cruzi*-like trypanosome was encountered which differed from the *cruzi*-like trypanosomes of local bats. It appeared to be a hitherto unknown species for which the name *Trypanosoma (Schizotrypanum) assiutis* sp.nov. is suggested.

Fain, A. (1959e). Les Acariens psoriques parasites des chauves-souris. XII. Deux nouvelles espèces des genres *Teinocoptes* et *Chirobia* chez des Rousettes africaines (Sarcoptiformes - Teinocoptidae).

Dans la muqueuse buccale de 4 Chauve-souris *Myotis myotis* capturées dans les grottes de Han le 25-9-58, nous avons découvert 5 Acariens mâles, une nymphe et une larve appartenant à un nouveau genre et une nouvelle espèce de la famille *Sarcoptidae*. Tous les mâles et la nymphe étaient localisés dans la profondeur de la muqueuse de la lèvre inférieure, tout près de son bord libre. L'unique larve fut trouvée dans la muqueuse du palais. Aucune femelle ne put être mise en évidence ni dans la muqueuse, ni sur le reste du corps. Ces Chauve-souris étaient également parasitées par de nombreux spécimens, à tous les stades, de *Nycteridocoptes poppei* Oudemans

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Fain, A. (1967). Les Acariens psoriques parasites des chauves-souris XXVIII. *Teinocoptes ituriensis* sp. n., avec une clé et une liste des espèces du genre *Teinocoptes* (Teinocoptidae: Sarcoptiformes).

Dans cette note nous décrivons une nouvelle espèce du genre *Teinocoptes* et nous indiquons un nouvel hôte pour *Teinocoptes auricularis* FAIN.

Fain, A. (1978). Les Myobiidae d'Afrique au sud du Sahara et de Madagascar (Acarina - Prostigmata).

During 1972, 1973 and 1974, I had the opportunity to collect an interesting series of parasitic mites from various mammals in the collection of the British Museum (Natural History). Among this collection I found a number of new species belonging to several new genera of Myobiidae. The present paper provides detailed descriptions and figures of these species, preliminary diagnoses of all but one of which have been given in previous papers (Fain, 1972, 1973). In addition, three species found on bats preserved in the Institut royal des Sciences naturelles de Belgique, Bruxelles, and one species from a bat in the collection of the U.S. National Museum, Washington, are described.

Types have been deposited in the respective institutions where the mites were collected. In the following descriptions the length of the body includes that of the gnathosoma but not of the palps.

Fain, A. (1994). Adaptation, specificity and host-parasite coevolution in mites (Acari).

Parasitism by mites is widespread and involves all the classes of vertebrates, from fishes to mammals. Owing to their small size and their great plasticity, mites are able to adapt to a wide range of habitats. Most of the species are ectoparasites but endoparasitism, especially in the respiratory tract, is common in birds and mammals. The morphological modifications appearing during the process adaptation to parasitic life, especially in Myobiidae, are analysed. Two kinds of characters are particularly important: the constructive specialized characters, consisting of the production of new structures, especially attachment organs allowing the mite to attach to the skin and the hair of the host, and regressive characters. Regression of the external structures is the most important phenomenon appearing in the process of evolution of parasitic mites. The importance of the regression in the parasite is correlated with the degree of evolution of the host. Host and parasite have a parallel evolution, but they go in opposite directions. The author surmises that the regressive evolution is related to the immunological reactions of the host that tend to reject the parasite. To escape from this rejection the parasite tends to select the less antigenic and therefore the most regressed phenotype. Specificity is generally strict in permanent parasites. Coevolution of host and parasite is studied in the family Myobiidae which parasitizes marsupials, insectivores, bats and rodents. The concordance between the radiations of the mites and that of their hosts is very high.

Fain, A. and V. Aellen (1994). Notes sur une petite collection d'acariens (Acari) parasites récoltés sur des chiroptères de la collection du Muséum d'histoire naturelle de Genève.

Notes on a small collection of parasitic mites (Acari) collected from bats deposited in the Museum of natural History of Geneva.

A small collection of pilicolous (Acari: Chirodiscidae and Myobiidae) or skin mites (Sarcoptidae), collected from bats deposited in the Museum of natural History of Geneva, is studied. Thirteen species were identified and among them a new genus and species, *Eurolabidocarpus helveticus*, collected from *Myotis daubentoni* from Switzerland. *Pseudoalabidocarpus secus* MacDaniel, 1972 is synonymized with *Pseudoalabidocarpus phyllostomi* Fain, 1972.

Fain, A. and P. Elsen (1972). Un nouveau Cimicide du Cameroun: *Stricticimex puylaerti* sp.n.

Cette nouvelle punaise fut récoltée au cours d'une Mission Parasitologique effectuée au Cameroun (juillet à octobre 1971), sur deux chauves-souris de la famille Emballonuridae. Elle est représentée par un mâle, une femelle et des nymphes.

Cette nouvelle espèce présente des caractères intermédiaires entre les genres *Stricticimex* d'une part et *Crassicimex* d'autre part, elle est cependant plus proche du premier genre.

Le rostre est nettement plus court que la longueur de la tête sans le labre. Dans les deux sexes le segment apical du rostre n'est que légèrement plus long que large, la *ratio* longueur : largeur est de 1,6 pour la femelle et de 1,4 pour le mâle.

Les yeux sont plus proéminents que chez *Crassicimex* et ressemblent à ceux des espèces du genre *Stricticimex*.

Les tibias II et III portent dans les 2 sexes de nombreux poils courts et sur leur bord dorsal un certain nombre de poils beaucoup plus longs et forts. Ce caractère n'a été signalé jusqu'à présent que chez *Crassicimex*. Notons cependant que KLEIN (1969) a rangé dans le genre *Crassicimex* une nouvelle espèce dont tous les tibias ne portent que des poils courts.

Notons encore que les tibias I et II portent une petite touffe à base étroite, formée d'une vingtaine de poils à sommet recourbé. Cette touffe n'a pas été signalée dans les genres *Crassicimex* et *Stricticimex*.

Nous voudrions remercier ici M. P. BASILEWSKY, Directeur du département d'Entomologe et M. G. SCHMITZ, Chef de la section des Hémiptères, du Musée royal d'Afrique Centrale, qui ont aimablement mis leurs collections à notre disposition pour notre étude.

Cette nouvelle espèce est dédiée à son récolteur M. F. PUYLAERT du Musée royal de l'Afrique Centrale.

Falcoz, L. (1931). Matériaux pour la connaissance des Diptères Pupipares. I.

Parmi le nombre des Diptères Pupipares de provenances diverses que j'ai eu l'occasion d'étudier récemment, certains, jugés nouveaux, seront décrits ici, d'autres, déjà connus, mais offrant quelques intérêt aux divers poins de vue systématique, éthologique ou géographique, feront l'objet d'une mention spéciale.

Farhang-Azad, A. and D. A. Schlitter (1978). *Capillaria hepatica* in small mammals collected from Shoa province, Ethiopia.

A total of 1,110 small mammals has been examined for *Capillaria hepatica* in Shoa Province, Ethiopia. Nineteen of 308 (6.2%) *Rattus rattus* and 1 of 212 (0.5%) *Praomys albipes* were infected. The data indicate that *C. hepatica* was essentially limited to commensal rats (*R. rattus*).

Farney, J. and E. D. Fleharty (1969). Aspect ratio, loading, wing span, and membrane areas of bats.

NOTE: Total loading is defined as the weight divided by the area of the wings and tail membranes. Aspect ratio is the wing span squared, divided by the area of the wings.

Fedyk, A. and S. Fedyk (1970). Karyotypes of some species of Vespertilionid bats from Poland.

Chromosomes ot 5 species of Vespertilionidae are described: *Plecotus auritus* - 2N = 32, NF = 54, *Plecotus austriacus*,- 2N = 32, NF = 54, *Myotis daubentoni* - 2N = 44, NF = 54, *Nyctalus notula* - 2N = 46, NF = 54, and *Eptesicus serotinus* - W = 50, NF = 52. The obtained results were compared with earlier data to show geographic variability of the chromosome formula in *M. daubentoni*, and differences in the morphology of Y chromosome in *Eptesicus serotinus*. Possible mechanisms of

differentiation of karyotypes in Vespertilionidae were also discussed and some phylogenetic conclusions presented.

Feiler, A. (1984). Ueber Säugetiere der Insel Sao Tomé (Mammalia).

During a stay for three weeks in June 1983 on Säo Tomé *Rousettus aegyptiacus* subsp. could be detected for the first time, and *Myonycteris brachycephala* has been found in a second specimen since its description by BOCAGE (1889). Besides, other mammals could be watched.

Feiler, A. (1986). Zur Faunistik und Biometrie angolanischer Fledermäuse (Mammalia, Mega- et Microchiroptera).

Data on faunistics and biometry of the following Megachiroptera: *Hypsignathus monstrosus, Epomophorus wahlbergi, Epomophorus angolensis, Epomops iranqueti, Micropteropus pusillus, Plerotes anchietae, Eidolon helvum, Rousettus aegyptiacus, Lissonycteris angolensis*, are given, gained by self-collected materials from Uige, Luanda and its surroundings as well as from materials of other Angolian places which exist in the collections of the University of Angola and in the Museum für Naturkunde Berlin. Besides, several collected Microchiroptera are discussed. *Triaenops persicus* were found in Angola for the first time.

Feiler, A. (1988). Die Säugetiere der Inseln im Golf von Guinea und ihre Beziehungen zur Säugetierfauna des westafrikanischen Festlandes (Mammalia).

A short survey is given on the mammal fauna of the islands in the Gulf of Guinea evaluating the literature and a short trip of the author to São Tomé in 1983:

(1) Endemic species (*Crocidura thomensis, Myonycteris brachycephala*) are existing only on the Island of São Tomé.

(2) Non-endemic species are originally wild-living species, or species spread by man.

(2a) Among the originally wild-living species one species (*Eidolon helvum*) occurs on all Islands without intraspecific differentiation.

(2b) The other species do not live on all islands, only on some of them. There are as well species forming special subspecies on the islands (*Hipposideros commersoni*), as species having the same subspecies like the animals in the nearby situated continental forest areas (*Hipposideros ruber guineensis*). *Rousettus aegyptiacus* was detected for the first time 1983 on São Tomé by the author.

(2c) Among the species spread by man there are: cosmopolits (*Rattus rattus, Rattus norvegicus, Mus musculus*), intentionally introduced species (*Viverra civetta, Mustela nivalis numidica*), and species which are secundarily wild-living (pig).

(2d) Concerning the occurrence of the species *Cercopithecus mona* and *Miniopterus minor newtoni* the human influence is uncertain.

The reasons for the occurrence of the different species on the islands are discussed.

Feiler, A. (1990). Distribution of mammals in Angola and notes on biogeography.

A brief review is given on faunal investigations in Angola including the author's results in the years 1982/83. All Angolan terrestrial mammal species are listed and their distributions are compared with neighbouring countries. Previously proposed zoogeographical borders are discussed.

Feiler, A., J. Haft and P. Widmann (1993). Beobachtungen und Untersuchungen an Säugetieren der Insel Sao Tomé (Golf von Guinea) (Mammalia).

All wild living mammal species evident on Säo Tome, are demonstrated. Remarks on distribution, biology, ecology and morphology are given. There are the following species respectively subspecies: *Crocidura thomensis, Eidolon helvum, Rousettus aegyptiacus thomensis* subsp. n., *Myonycteris brachycephala, Hipposideros commersoni thomensis, Hipposideros ruber, Miniopterus minor, Cercopithecus mona, Sus scrofa* (forma domestica), *Canis lupus* (forma domestica), *Mustela nivalis, Civettictis civetta, Rattus rattus, Rattus norvegicus* and *Mus musculus* (?).

Feiler, A. and A. L. Pires (1984). Ueber *Chaerophon pumila* (Cretzschmar) in Angola (Mammalia, Chiroptera, Molossidae).

Some observations concerning distribution, biology, and reproduction äs well several body measures of the bat species *Chaerephon pumila* from Angola are dealt with.

Felten, H. (1962). Bemerkungen zu Fledermäusen der Gattungen *Rhinopoma* und *Taphozous* (Mammalia, Chiroptera).

Das Senckenberg-Museum erhielt kürzlich einige Fledermäuse aus der Rajasthan-Wüste in NW-Indien, die taxionomische und tiergeographische Bemerkungen zu Arten der Gattungen *Rhinopoma* (Rhinopomatidae) und *Taphozous* (Emballonuridae) erlauben.

Felten, H. (1971). Eine neue Art der Fledermaus-Gattung *Eptesicus* aus Kleinasien (Chiroptera: Vespertilionidae).

Specimens of the genus *Eptesicus* from Europe, USSR, Asia Minor, Iraq, Iran and Afghanistan are compared (measurements, skull, colour) to describe a new species of this genus. Members of other species are treated under distributional and taxonomic points of view.

Felten, H., F. Spitzenberger and G. Storch (1977). Zur Kleinsaugerfauna West-Anatoliens. Teil IIIa.

On small mammals from Western Asia Minor. Part IIIa.- Samples of the Horseshoe Bats (Chiroptera: Rhinolophidae) *Rhinolopbus ferrumequinum, R. hipposideros, R. euryale, R. mehelyi*, and *R. blasii* (with description of a new subspecies from Afghanistan) from Western Asia Minor have been investigated in relation to populations from the Mediterranean region and other parts of their total ränge. Data are given on systematics, variability and distribution. Two closely related species (*R. bocharicus* and *R. lepidus*) have been treated similarly. - Of Vespertilionidae (Chiroptera), the two closely related Mouse-eared Bats *Myotis myotis* and *M. blythi* are treated in a similar way. The possibilities of their distinction are discussed, and a new subspecies of *M. blythi* is described from N-Africa.

Fenton, M. B. (1972). The structure of aerial-feeding bat faunas as indicated by ears and wing elements.

Structure in the aerial-feeding bat faunas of southeastern Ontario, southern British Columbia, Cameroun, Guyana, and the Philippines is demonstrated on the basis of wing shape and relative ear size. The former is derived from the ratio of the length of the third digit metacarpal to the length of the fifth digit metacarpal (III/V) and the latter from the ratio of the length of the ear to the length of the forearm (E/FA). It is assumed that these characters affect flight pattern and echolocatory characteristics and thus prey selection in the aerial-feeding, echolocating bat. On the basis of these characteristics some Emballonurinae and the Mormoopidae are thought to replace the Vespertilionidae in the neotropics, and some Phyllostomatinae may be neotropical counterparts of the Rhinolophidae, Nycteridae, and Megadermatidae. The Diclidurinae seem to parallel the old world *Taphozous* in wing shape and ear size.

La forme de l'aile et la taille relative de l'oreille ont servi a établir la structure des faunes de chauves-souris se nourrissant au vol dans le sud-est de l'Ontario, le sud de la Colombie-Britannique, le Cameroun, la Guyane et les Philippines. Pour connaitre la forme de l'aile, on a calculé le rapport entre les longueurs des metacarpes des troisième et cinquième doigts (III/V) et, dans le cas de l'oreille, on a calculé le rapport entre la longueur de celle-ci et la longueur de l'avant-bras (E/FA). On émet l'hypothese que ces caractères affectent le vol et la faculté d'écholocation, et, par consequent, la sélection des proies, chez la chauve-souris se nourrissant au vol, par echolocauon. D'apres ces caractéristiques, il semble que les Emballonurinae et les Mormoopidae remplacent les Vespertilionidae dans la zone neotropicale et que certains Phyllostomatinae soient les equivalents neotropicaux des Rhinolophidae, des Nycteridae et des Megadermatidae. De la meme façon, les Diclidurinae paraissent remplacer le *Taphozous* du vieux monde.

Fenton, M. B. (1975). Observations on the Biology of some Rhodesian bats, including a key to the Chiroptera of Rhodesia.

Weights of 359 bats of 25 species are presented with vocalization frequencies for 14 species of Microchiroptera. Circumstantial evidence of visual orientation while bats were producing echolocation cries was obtained for eight species of microchiropterans. Insect wings obtained under roosts used by *Rhinolophus landeri* (Rhinolophidae) and *Nycteris thebaica* (Nycteridae) indicate differential use of Noctuidae and Sphingidae (Lepidoptera) as food, and selective feeding on particular prey species. Higher levels of flight activity of bats were found near buildings than over adjacent habitats. Frequencies of capture of 264 bats of 20 species in nine habitats at the Hostes Nicolle Institute of Wild Life Research are analysed; brachystegia woodland and areas over large rivers (the Sengwa and the Manyoni) had, respectively, the most and least diverse bat faunas. Availability of roosts affects the bat fauna of an area by selectively excluding species with specific roost requirements, where those requirements are not met. Partitioning of food resources by food type, size of bats, and, for insectivorous forms, wing shape and relative car size, is discussed. *Laephotis angolensis* (Vespertilionidae) is reported for the first time from Rhodesia. Included here is a key to 61 species of bats known (57) or expected (4) to occur in Rhodesia.

Fenton, M. B. (1983). Roosts used by the African bat, *Scotophilus leucogaster* (Chiroptera: Vespertilionidae).

The roosts of *Scotophilus leucogaster* were located by radio-tracking in Mopani woodland in the Sengwa Wildlife Research Area in Zimbabwe between 14 January and 12 February 1982. Bats changed roost trees from one day to the next, usually staying within relatively small areas of woodland. Bats frequently moved between night and day roosts. This behavior made it impossible to predict the location of bats from one day to the next.

Fenton, M. B. (1985). The feeding behaviour of insectivorous bats: Echolocation, foraging strategies, and resource partitioning.

This paper uses the results of work on temperate and tropical Microchiroptera to explore the relevance of ideas about interspecific competition to faunas of insectivorous bats. The bat fauna of the Sengwa Wildlife Research Area in Zimbabwe is the focus of much of the work reviewed here. The value of echolocation as a window on the behaviour and foraging ecology of Microchiroptera is considered, and some apparatus and approaches for exploiting this avenue of investigation are reviewed. A tentative association between different foraging strategies and the basic design of echolocation calls is proposed. Some insectivorous bats pursue flying prey, hunting in continuous flight or from perches; others are gleaners, taking prey from surfaces. Bats that hunt flying prey may operate at long or short range. Another group of bats, including rhinolophids, hipposiderids. and the mormoopid *Pteronotus parnellii* use echolocation to detect fluttering targets. In spite of many assertions to the contrary, evidence for insectivorous bats partitioning resources (food or roosts) remains ambiguous, overwhelmed by variation in prey selected and lack of data. African bats are ideal subjects for further studies of the dynamics of interactions between sympatric species, including the possible effect of limiting (?) resources.

Fenton, M. B. (1986b). *Hipposideros caffer* (Chiroptera: Hipposideridae) in Zimbabwe: morphology and echolocation calls.

The results of this study of morphological variation and variation in echolocation calls indicate that only specimens with narrow lateral nasal inflations (=*Hipposideros caffer*) have been reported from Zimbabwe to date. In both Zambia and Mocambique, single localities yielded both specimens with narrow or wide lateral nasal inflations (nominally, *H. caffer* and *H. ruber*, respectively). There are significant differences in echolocation calls between one site in Zimbabwe and another near the Zimbabwe South Africa border that are not paralleled by significant morphological differences.

Fenton, M. B. (1992). Pelage pattern and crypsis in roosting bats: *Taphozous mauritianus* and *Epomophorus* species.

The grizzled dorsal pelage of *Taphozous mauritianus* (Emballonuridae) contributes to the camouflage of these bats when they are roosting on natural surfaces. The white ear spots of *Epomophorus* spp. (Pteropodidae) represent disruptive patterns contributing to the cryptic appearance of these bats when they are roosting in foliage.

Fenton, M. B. (1994). Echolocation: its impact on the behaviour and ecology of bats.

Echolocation is an active system of orientation involving the production of pulses of sound which are compared to echoes returning from the surroundings. Bats comprise the order Chiroptera, and while echolocation is a feature apparently common to all species in the suborder Microchiroptera, only one species in the suborder Megachiroptera is known to echolocate. Furthermore, not all echolocating bats use the same specific approach to echolocation. The short range nature of echolocation may be the reason why most Microchiroptera are small. Small size has metabolic consequences such as high metabolic rates and high energy demands. This, in turn, means that bats eat a great deal and many species exploit concentrations of food. Species in two families, the Rhinolophidae and Vespertilionidae, use heterothermy to minimize thermoregulatory costs and this affects the reproductive patterns of these bats. While echolocation does not appear to be energetically expensive in terms of sound production, the signals make bats conspicuous to other bats and to their prey. Information leakage affects many aspects of bats' behaviour. Bat morphology often reflects echolocation, from pinnae that may be tuned to the frequencies in echolocation calls, to species with large ears for collecting low frequency sounds associated with the movements of prey. Noseleafs affect the patterns of sound emission. Bats that depend upon the sounds of prey often do not rely on echolocation for locating and assessing targets, and the role of echolocation in the lives of fruit, nectar and pollen, and blood feeding bats remains unclear. Echolocation and its attendant specializations are components in the ongoing debate about whether or not bats are monophyletic.

L'écholocalisation est un système d'orientation mettant en jeu la production de vibrations sonores qui sont comparées aux échos réfléchis par le milieu. Les chauves-souris font partie de l'ordre des Chiroptères et, bien que l'écholocalisation soit une caractéristique apparemment commune à toutes les espèces du sous-ordre des Microchiroptères, on ne connaît qu'une seule espèce du sous-ordre des Mégachiroptères qui écholocalise. De plus, les chauves-souris qui écholocalisent n'utilisent pas toutes la même technique. Le fait que l'écholocalisation serve à la communication à faible portée pourrait expliquer la petite taille de la plupart des Microchiroptères. Une petite taille a des conséquences sur le métabolisme, comme des taux métaboliques et des besoins énergétiques élevés. Cela signifie donc que les chauves-souris mangent beaucoup et que de nombreuses espèces profitent de concentrations de nourriture. Les espèces appartenant aux familles des Rhinolophidea et des Vespertilionidea peuvent minimiser les dépenses entraînées par la thermorégulation grâce à l'hétérothermie, laquelle influence leur comportements de reproduction. Bien que l'écholocalisation ne semble pas entraîner une dépense énergétique élevée, les signaux rendent les chauves-souris repérables par d'autres chauves-souris ainsi que par leurs proies. La fuite d'information influence plusieurs aspects du comportement des chauves-souris. Le type d'écholocalisation est reflété dans la morphologie des chauves-souris, des espèces dotées de pavillons d'oreilles s'ajustant aux fréquences des émissions d'écholocalisation, aux espèces dotées de grandes oreilles captant les basses fréquences associées aux mouvements des proies. Les appendices nasaux influencent les patrons d'émission des sons. Les chauves-souris qui dépendent des sons émis par leurs proies ne se servent pas toujours de l'écholocalisation pour situer et localiser les cibles. Le rôle de l'écholocalisation chez les chauves-souris frugivores, nectarivores, pollinivores, ainsi que hématophages reste à élucider. L'écholocalisation et les spécialisations connexes font partie du débat inachevé visant à savoir si les chauves-souris sont monophylétiques ou non.

Fenton, M. B. (1997). Science and the conservation of bats.

The conservation implications of some recent advances in our knowledge about the ecology and behavior of bats are presented. A central question facing bat biologists is the relative importances of roosts and food as limiting factors in the population biology of bats. There is no reason to presume that the answer is the same for all species and the available data suggest intraspecific variation. This question is important for either conservation or behavior and ecology. Eavesdropping on the species-specific echolocation calls of bats has allowed documentation of distribution and habitat use by some bats although variability of calls complicates this picture. Radiotracking and surveys have produced data on use of space by bats. Although foraging areas and roosts are vital resources for bats, the associations between species of bats and habitats are not always clear. The mobility of bats and the low cost of flight together blur the link between bats and particular habitats. Radiotracking demonstrates how mobility gives bats access to mosaics of habitats, partly reflecting their size and flight characteristics, and the scale of habitat availability. For some species, access to mosaics of habitats for foraging is critical. Activities of humans influence the habitats available to bats and can generate feeding and roosting opportunities. The use that roosting bats make of buildings is an obvious example of bats benefitting from activities of humans. Another is bats feeding in the concentrations of insects at lights. In promoting the conservation of bats, it is important to consider people's perceptions of these animals, which are colored by the impact of bats on public health. Public interest in bats has vastly outstripped scientific research about them, presenting interesting challenges and opportunities for bat biologists.

Fenton, M. B., N. G. H. Boyle, T. M. Harrison and D. J. Oxley (1977a). Activity patterns, habitat use, and prey selection by some African insectivorous bats.

Between 10 January and 14 February 1976, activity patterns, habitat use, and selection of prey by some insectivorous bats were studied in mopane and brachystegia deciduous woodlands in the Sengwa Wild Life Research Area of the Hostes Nicolle Institute of Wild Life Research in Rhodesia (18°10' S, 23°13' E), using ultrasonic (=bat) detectors, light tags, and analysis of insect remains from bat feces. Some bats were active throughout the night, in part feeding, but in general bat activity was reduced from around midnight until just before dawn. Rain tended to suppress bat activity, although

the timing of the rain was important. Since insects remained active in the rain, we suspect that the responses of the bats to rain reflected problems of thermoregulation associated with wet fur, and the effect of multiple echoes and atrenuation of high-frequency sound on echolocation. Bright moonlight suppressed bat activity and altered the foraging patterns of light-tagged *Scolophilus viridis, Eptesicus capensis*, and *Nycticeius schlieffeni* which on dark nights fed above the canopy and along the grassland sides of meadow/woodland interfaces, but which were mainly restricted within the woodland on bright moonlight nights. Since a pair of bat hawks (*Macheiramphus alcinus*) nested near the study area and fed mainly on bats, we suggest that the bats' responses to moonlight are predator-avoidance behaviors. *S. viridis* (15 - 20 g), *E. capensis* (5 - 6 g), and *N. schlieffeni* (5 - 6 g) appeared to feed on concentrations of insects, and responded quickly to aggregations of insects around lights. These bats fed mainly on beetles (*S. viridis* - 85%; *E. capensis* - 68%; *N. schlieffeni* - 72%), although *E. capensis* also took moths (18.5%) and *N. schlieffeni* took flies (19%). Other insectivorous bats in the study area fed mainly on moths (*Hipposideros caffer, Laephotis angolensis, Glauconycteris variegate* or beetles (*Scotopbilus nigrita*), or both (*Rhinolophus hildebrandti, Pipistrellus nanus*). Data for some insectivorous bats from the vicinity of Salisbury, Rhodesia, indicated a similar separation for some bats (moths - *Nycteris thebaica, Rhinolophus landeri*; beetles - *Rhinolopus clivosus*) in addition to two species of *Miniopterus* which took mainly aquatic Diptera. The data from this study, with those from other works, are used to illustrate partitioning of insect prey by the species of bats known to occur in the Sengwa Wild Life Research Area.

Fenton, M. B., R. M. Brigham, A. M. Mills and I. L. Rautenbach (1985). The roosting and foraging areas of *Epomophorus wahlbergi* (Pteropodidae) and *Scotophilus viridis* (Vespertilionidae) in Kruger National Park, South Africa.

In April 1984, in Kruger National Park, we used radio tracking to study the roosting and foraging behavior of *Epomophorus wahlbergi* and *Scotophilus viridis*, two bats known to roost in trees. Most *E. wahlbergi* roosted in foliage in riverine forest, although some roosted in a shelter cave; the *S. viridis* invariably roosted in hollow mopane trees along the steep sides or tops of ridges. Neither species showed any strong evidence of changing the day roosts they used to minimize commuting distance to foraging areas, although both species regularly switched locations of day roosts within localized areas. Switching day roosts may reduce predation

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Fenton, M. B., D. H. M. Cumming, J. M. Hutton and C. M. Swanepoel (1987a). Foraging and habitat use by *Nycteris grandis* (Chiroptera: Nycteridae) in Zimbabwe.

This study describes the foraging strategies, foraging areas, and roosts used by four female radio-tagged *Nycteris grandis* along the Zambezi River in Mana Pools National Park in Zimbabwe. The bats exhibited two foraging strategies, sometimes hunting from perches, other times flying continuously close to the ground. Some individuals used one strategy more than the other. During the study, the bats fed mainly on frogs, selecting only *Ptychadena anchietae*; they also took crickets, moths and cicadas. Each bat usually consumed two frogs each night and patterns of occupation of feeding perches suggest that their foraging efficiency was between 21 and 36%. The marked bats roosted in an old water tower or in a hollow *Acacia albida*. Four of five marked females were nursing young during this study.

Fenton, M. B., D. H. M. Cumming, I. L. Rautenbach, G. S. Cumming, M. S. Cumming, G. Ford, R. D. Taylor, J. Dunlop, M. D. Hovorka, D. S. Johnston, C. V. Portfors, M. C. Kalcounis and Z. Mahlanga (1998a). Bats and the loss of tree canopy in African woodlands.

We studied the activity patterns, abundance, diversity, and diets of bats, along with the abundance of nocturnal volant insects, at 30 sites in Miombo woodland in northern Zimbabwe. The woodland at 50 M of the sites had been disturbed by high elephant densities to the extent that the tree canopy was greatly reduced. The tree canopy was intact at the other sites. Intact and impacted sites differed significantly in tree (> 3 m t all; > 15 cm basal diameter) and shrub (1 - 3 m tall; < 1 m tall) diversity

and cover. At each site we used ultraviolet lights to sample insects and mist nets and bat detectors to sample bats. To assess their diets we collected and analyzed feces from captured bats. We caught 343 bats representing the families Pteropodidae (1 species), Vespertilionidae (11 species) and Molossidae (3 species). The molossids and vespertilionids are all aerial feeders taking airborne insects. Bat species richness, abundance, and activity were greater at intact than at impacted sites, but these differences were statistically significant only at adjacent sites (< 5 km apart) not at more distant intact and impacted sites (> 20 km apart). At the adjacent sites we caught a significantly greater proportion of small (< 10 g) bats at intact than at impacted sites. These dat and a signifantly greater proportion of *Scotophilus* species (> 10 g) caught during the early evening at intact than at impacted sites suggested that the removal of canopy trees affected roost availability for the bats. Although larger species may have commuted between intact and impacted sites, smaller species did not. In contrast, the availability of prey did not appear to have been significantly affected by the removal of the canopy trees, as indicated by the light-trap catches of insects and the bat's diets. Most bats ate mainly beetles and moths, the most abundant insects samples at the ultraviolet lights. Our findings suggest that aerial-feeding bats such as vespertilionids and molossids do not appear to be useful indicators of disturbance in this habitat, even in the face of significant loss of tree canopy.

Estudiamos los patrones de actividad, abundancia, diversidat y dietas de murciélagos, al igual que la abundancia de insectos voladores nocturnes en 30 sitios en el bosque de Miombo al norte de Zimbabwe. El bosque ha sido impactado en un 50 M de los sitios por densidades altas de elefantes, a tal grado que el dosel de árboles ha sido reducido grandemente. El dosel estuvo intacto en los otros sitios. Sitios intactos e impactados difieren significativamente en diversidad y cobertura de árboles (> 3 m de altura; > 15 cm de diámetro basal) y arbustos (1 - 3 m de altura; < 1 m de altura). En cada sitio usamos luz ultravioleta para musestrear insectos y redes y dectores de murciélagos para muestrear murciélagos. Para determinar sus disetas, colectamos y analizamos heces de los murciélagos capturados. Capturamos 343 murciélagos representando a las familias Pteropodidae (1 especie), Vespertilionidae (11 especies) y Molossidae (3 especies). Los molósidos y vespertiliónidos son todos consumidores aéreos, altimentándose de insectos voladores. La riqueza de especies, abundancia y actividad de murciélagos fue mayor en sitios intactos, pero estas diferencias fueron estadísticamente significantivas solo en sitios intactos e impactados adyacentes (> 5 km aparte) pero no cuando eran mas distantes (> 20 km aparte). En sitios adyacentes capturamos une proporción significativamente mayor de murciélagos pequeños (< 10 g) en sitios intactos que en sitios impactados. Estos datos y une proporción significativamente mayor de especies de *Scotophilus* (> 10 g) durante el atardecer en sitios intactos comparados con sitios impactados sugiere que la remoción del dosel afecta la viabilidad de perchas para los murciélagos. A pesar de que especies mas grandes podrían viajar diariamente entre sitios intactos e impactados, la especies pequeñas no lo hicieron. En contraste, la viabilidad de presas aparentemente no fue significativamente afectada por la remoción del dosel, a como lo indicaron la captura de insectos en trampas de luz y las dietas de los murciélagos. La mayoría de los murciélagos se alimentaron principalmente de escarabajos y mariposas nocturnas, siendo los insectos mas abundantes capturado en las trampas de luz ultravioleta. Nuestros resultados sugieren que los murciélagos de alimentación aérea como son los vespertiliónidos y molósidos, no aparentan ser indicadores útiles de disturbación en este tipo de hábitat, a pesar de une evidente pérdida significativa del dosel.

Fenton, M. B. and J. H. Fullard (1979). The influence of moth hearing on bat echolocation strategies.

The ears of moths we tested in Canada and Côte d'Ivoire are most sensitive to sounds between 20 and 40 kHz, and much less sensitive to sound over 65 kHz. The insectivorous bats most commonly encountered in these (and other) locations use high intensity, frequency modulated echolocation calls with frequency components in the 20 - 40 kHz range, making them detectable by the most sensitive tympanate moths up to 40 m away. In Africa bats such as species in the Nycteridae, Megadermatidae, and some in the Hipposideridae, use low intensity calls with high frequency components, and these species are not detectable by moths at over 2 m. The hearing ability of moths may significantly influence the feeding efficiency of bats, and changes in the intensity and frequency components of bat echolocation calls can drastically reduce the range at which bats are detected, and thus the time available to the moths for evasive behaviour (Fig. 4). The use of low intensity, high frequency echolocation calls may constitute a bat counter-maneuver against insects tuned to bat calls.

Fenton, M. B., C. L. Gaudet and M. L. Leonard (1983). Feeding behaviour of the bats *Nycteris grandis* and *Nycteris thebaica* (Nycteridae) in captivity.

The feeding and hunting behaviour of *Nycteris grandis* and *N. thebaica* was observed in captivity at the Sengwa Wildlife Research Area in Zimbabwe in January and February 1982. Both species preferentially selected katydids and beetles over moths, and relied heavily on acoustic stimuli emanating from prey to detect targets. *Nycteris grandis* readily consumed frogs and bats and appeared not to use the calls of male frogs or the echolocation calls of other bats to locate prey. Both species produced echolocation calls during attacks on prey, increasing the rates of pulse repetition as they closed with targets and suggesting the use of echolocation in hunting. The echolocation calls of *N. grandis* are described along with general observations of the behaviour of both species.

Fenton, M. B. and D. R. Griffin (1997). High-altitude pursuit of insects by echolocating bats.

Bat detectors on helium-filled kite balloons revealed echolocating bats active at altitudes <= 600 m above the ground over *Brachystegia* woodland in the Sengwa Wildlife Research Area, Zimbabwe. Feeding buzzes indicated that bats were actively foraging to 600 m. At least seven species of bats were detected, including six molossids and one emballonurid.

Fenton, M. B. and R. L. Peterson (1972). Further notes on *Tadarida aloysiisabaudiae* and *Tadarida russata* (Chiroptera - Molossidae - Africa).

Eleven additional specimens of *Tadarida aloysiisabaudiae* and one of *T. russata* extend the known range of both species westward to Ghana. Their allopatric ranges appear to be restricted to a narrow zone extending at least 3300 km (2100 mi) just north of the equator. *Tadarida russata* has been taken only in or adjacent to the "invasive Guinea woodland," whereas all *T. aloysiisabaudiae* have been collected peripheral to it. Recent specimens taken in association with *T. russata* were *T. (Xiphonycteris) spurrelli* and *T. thersites*. Measurements of the *T. russata* from Ghana are compared with those from previously recorded specimens, and a statistical summary for the measurements of *T. aloysiisabaudiae* is given. In addition, other morphological comparisons including the first illustrations of the palatal ridges of both species are provided.

Onze spécimens additionnels de *Tadarida aloysiisabaudiae* et un de *T. russata* étendent l'aire de répartition de ces espèces vers l'ouest du Ghana. Leurs répartitions allopatriques semblent être restreintes à une bande éroite d'au moins 3300 km (2100 mi) située juste au nord de l'equateur. *Tadarida russata* a été prise seulement dans, ou adjacente à, la "région boisée envahissante de la Guinée" alors que tous les *T. aloysiisabaudiae* ont été pris dans une zone périphérique à cette région. Des spécimens de *T. (Xiphonycteris) spurrelli* et de *T. thersites* ont été trouvés récemment, associés avec *T. russata*. Les mesures prises sur les *T. russata* du Ghana sont comparées avec celles des spécimens pris précédemment et un sommaire statistique des mesures faites sur *T. aloysiisabaudiae* est donné. D'autres comparaisons morphologiques sont données, parmi lesquelles on trouvera les premières illustrations des crêtes palatales des deux espèces.

Fenton, M. B., C. V. Portfors, I. L. Rautenbach and J. M. Waterman (1998b). Compromises: sound frequencies used in echolocation by aerial-feeding bats.

Hunting aerial-feeding bats, species that take airborne prey (usually flying insects), use echolocation to detect, track, and assess targets. The echolocation calls of aerial-feeding bats at sites in Canada (British Columbia and Ontario), Mexico, Brazil, and Zimbabwe were significantly dominated by frequencies between 20 and 60 kHz, although at the more tropical locations some aerial-feeding bats

used echolocation calls with most energy < 20 or > 60 kHz. The impact of frequency-specific attenuation, perhaps combined with frequency-specific, hearing-based defenses of some insects, suggests that by using echolocation calls < 20 kHz, bats could both extend the effective range of echolocation and make their calls less conspicuous to insect ears. Bats using calls > 60 kHz would be less conspicuous to the insects. We found two patterns of echolocation-call behaviour. Most adjacent echolocation calls, and all that were dominated by sounds > 20 kHz, showed large (80%) overlap in bandwidth. The other pattern involved much less overlap in bandwidth (0 - 30%) between adjacent calls and was evident in the calls of the molossid *Tadarida midas*, which used echolocation calls dominated by sounds < 20 kHz. This behaviour would allow the echolocating bat to extend its effective range of perception by separating in frequency the echoes returning from adjacent calls.

Les chauves-souris qui se nourrissent au vol, donc de proies qui volent (généralement des insectes), utilisent l'echolocation pour détecter, suivre et évaluer leurs cibles. Les cris d'écholocation de chauves-souris au vol à divers sites au Canada (Colombie-Britannique et Ontario), au Mexique, au Brésil et au Zimbabwe sont dominés de façon significative par les frequences situées entre 20 et 60 kHz, quoique, dans les plus tropicales de ces régions, certaines chauves-souris utilisent plus souvent des cris < 20 kHz ou > 60 kHz. Les effets de l'attenuation du son en fonction de la fréquence, peut-être en combinaison avec la nature du système de défense acoustique de certains insectes base sur la fréquence des sons, permet de croire qu'en utilisant des cris d'écholocation < 20 kHz, les chauves-souris peuvent augmenter l'étendue efficace de leurs cris et les rendre moins audibles aux insectes. Les chauves-souris qui émettent des cris > 60 kHz sont moins susceptibles d'être perçues par les insectes. Nous avons constate l'existence de deux types de comportemems d'écholocation. La plupart des cris adjacents dominés par des sons > 20 kHz se chevauchent largement (80%) sur la bande de frequence. Dans l'autre type de comportement, il y a beaucoup moins de chevauchement des cris adjacents sur la bande de fréquence (0 - 30%) et ce comportement a été observé chez le molosse *Tadarida midas* qui utilise surtout des cris < 20 kHz. Ce comportement peut permettre à la chauve-souris émettrice d'augmenter l'étendue efficace de sa perception en émettant ses cris de façon à ce que les échos des cris adjacents qui lui reviennent n'aient pas des fréquences voisines.

Fenton, M. B. and I. L. Rautenbach (1986). A comparison of the roosting and foraging behaviour of three species of African insectivorous bats (Rhinolophidae, Vespertilionidae, and Molossidae).

We used radio tracking to study the roosting and foraging behaviour of *Rhinolophus hildebrandti, Scotophilus borbonicus* (=*S. viridis* and *S. leucogaster*), and *Tadarida midas* in the Pafuri Region of Kruger National Park, South Africa in November 1985. Although the species roosted in different locations (*S. borbonicus* in hollow mopane trees, *R. hildebrandti* in a hollow baobab tree, and *T. midas* in buildings), roost temperatures and the bats' body temperatures were generally similar. The *S. borbonicus* and *T. midas* flew continuously while foraging in pursuit of flying prey; the *R. hildebrandti* switched between continuous flight, and hunting from a perch also in pursuit of flying prey. All three species foraged for about 60 min nightly, but the *T. midas* ventured at least 10 km from their roosts, while for *S. borbonicus* and *R. hildebrandti*, comparable figures were 4 and 2 km, respectively. The three species showed a spectrum of wing morphology and echolocation call design features from clutter resistant (*R. hildebrandti*) to relatively clutter resistant (*S. borbonicus*) and clutter intolerant (*T. midas*) and the foraging areas used by the bats corresponded to these features. *Rhinolophus hildebrandti* foraged below the canopy in riverine forest and deciduous woodland, while *S. borbonicus* foraged around the canopy but not closer than 0.5 m to it, while *T. midas* foraged in the open well above the canopy. These differences are discussed along with variations in foraging behaviour in insectivorous bats.

La radiotélémetrie a permis d'étudier les comportements de rassemblement au dortoir et de recherche de nourriture chez *Rhinolophus hildebrandti, Scotophilus borbonicus* (=*S. viridis* et *S. leucogaster*) et *Tadarida midas* dans la région Pafuri du Pare National de Kruger, Afrique du Sud, en novembre 1985. Les trois espèces utilisaient des dortoirs differents (*S. borbonicus*, les troncs creux de bois de fer, *R. hildebrandti* le tronc creux d'un baobab et *T. midas* les édifices), mais la température etait à peu près la même dans les trois types de dortoirs et celle des chauves-souris etait generalement semblable

chez les trois especes. Les *S. borbonicus* et les *T. midas* chassaient leurs proies volantes en vol continu; les *R. hildebrandti* utilisaient en alternance le vol continu et la chasse à partir d'un perchoir, également à la poursuite de proies volantes. Les trois espèces chassaient durant environ 60 min par nuit, mais les *T. midas* s'aventuraient parfois jusqu'a 10 km de leur dortoir, alors que les*S. borbonicus* ne s'en éloignaient pas de plus de 4 km et les *R. hildebrandti*, pas de plus de 2 km. Chez les trois espèces, il y a tout un spectre de morphologie des ailes et les cris d'écholocation varient selon l'espece: resistants a la confusion chez *R. hildebrandti*, relativement résistants à la confusion chez *S. borbonicus* et intolerants à la confusion chez *T. midas* et les territoires de chasse utilisés par les trois espèces variaient en fonction de ces caractéristiques. *Rhinolophus hildebrandti* chassait sous la couverture d'arbres dans les forêts ripariennes et les bois décidus, *S. borbonicus* chassait autour de la couverture d'arbre, mais en restait toujours éloigné d'au moins 0,5 m, alors que *T. midas* chassait en terrain ouvert, bien au-dessus de la couverture d'arbres. Ces differences et les variations des comportements de recherche de nourriture chez les chauves-souris insectivores font l'objet d'une discussion.

Fenton, M. B., I. L. Rautenbach, D. Chipese, M. B. Cumming, M. K. Musgrave, J. S. Taylor and T. Volpers (1993). Variation in foraging behaviour, habitat use, and diet of Large slit-faced bats (*Nycteris grandis*).

Examined the diet of *Nycteris grandis*, a 30 - 35 g African nycterid which varied significantly from year to year, season to season and roost to roost, suggesting flexible foraging behaviour and opportunism. Frogs, insects, and bats formed the bulk of the bats' diet. Although five species of frogs were consumed, two dominated the diet. Insect prey were mainly larger Lepidoptera and Orthoptera with occasional consumption of smaller species (< 10 g) of bats. Diurnal insects (butterflies - Lepidoptera; dragon flies - Odonata) and small (< 10 g) birds also were eaten. Over 14 nights in June 1990, prey taken by *N. grandis* did not reflect the availability of frogs, bats or insects. Radio-tagged *N. grandis* showed significant variation in approach to foraging, including the use of woodland or river habitat, and two foraging techniques, namely hunting from continuous flight or from a perch.

Fenton, M. B., I. L. Rautenbach, S. E. Smith, C. M. Swanepoel, J. Grosell and J. van Jaarsveld (1994). Raptors and bats: threats and opportunities.

To quantify the opportunity that emering bats present to raptors and the risks that hunting birds pose to these bats, predator-prey responses were documented by (1) counting emerging bats and recording their emergence patterns and (2) monitoring the presence of raptors and quantifying the incidence of raptor attacks on bats. Hobby falcons, *Falco subbuteo*, African goshawks, *Accipiter tachiro*, and Wahlberg's eagles, *Aquila wahlbergi*, succeeded in 51 % of 59 attacks on bats. The attacks occurred in woodlands (two attacks in 10 samples), and as bats emerged from colonies in buildings (three in 39 samples) and bridges (54 in 32 samples). Wahlberg's eagles hand hobby falcons attacked by stooping at flying bats whil African goshawks pursued them in flight. The birds usually took each captured bat to a perch to consume it, achieving handling times (from capture to eating to resumption of hunting) of 30 - 300 s. The raptors could maximize their use of bats by rapid handling of captures and by hunting at sites where bats were most numerous. This combination of factores meant that bats could form a siginificant portion of the diet of opportunistic raptors. Flying and emerging bats responded to attacks of potential attacks. For colonies of less than 100 bats, there was no relationship between emergence time and colony size, while bats tended to emerge significantly earlier from colonies of greater than 100 individuals. In all colonies, increasing numbers of bats decreased the risk of raptor attack by any individual. In colonies of less than 100, individuals could decrease their risk of attach by switching roosts, and by adjusting the times and duration of their emergences. Bats emerged earlier from larger colonies despite the increased risk of attack by raptors.

Fenton, M. B., C. M. Swanepoel, R. M. Brigham, J. Cebek and M. B. C. Hickey (1990). Foraging behavior and prey selection by large Slit-faced bats (*Nycteris grandis*; Chiroptera: Nycteridae).

Analysis of prey remains from beneath feeding perches in Mana Pools National Park in Zimbabwe between 1 Match 1987 and 30 April 1988, showed that *Nycteris grandis* fed mainly on frogs, bats, and arthropods, and occasionally took birds and fish. There was marked seasonal variation in the prey taken, with bars and frogs dominating the biomass at different times. In November 1987, all-night radio-tracking over 15 bat nights revealed significant differences in habitat use between individuals, with one bat foraging along and over the Zambezi River, and another foraging in *Acacia albida* woodland and over the river. The bats alternated between foraging from continuous flight and making short flights from perches, although foraging over the river usually entailed continuous flight. Significant differences in the use of these foraging strategies between 1987 and an earlier study coincided with differences in November rainfall, and a drastic reduction in the amount of food the bats consumed daily.

Fenton, M. B. and D. W. Thomas (1980). Dry-season overlap in activity patterns, habitat use, prey selection by sympatric African insectivorous bats.

We used mist nets, ultrasonic sensors, light tags, and analysis of feces to examine habitat use, activity patterns, and prey selection of some insectivorous bats during the dry season at the Sengwa Wild Life Research Area (18°10'S; 28°13'E) between 7 and 28 June 1977. The results show broad overlap in all parameters investigated for the 13 species present in the area during the dry season. During the wet season, some species of insectivorous bats relied more on beetles than on moths as food, or vice versa. The lack of food partitioning, particularly in the dry season, appears to conflict with theories of niches and competitive exclusion, but it is in accord with predictions based on optimum foraging strategy. We conclude that most insectivorous bats are opportunistic feeders, a strategy which results in a mosaic of specialized and generalized diets and which is compatible with their energetic demands. We report the first record of *Tadarida chapini* from Zimbabwe (Rhodesia).

Fenton, M. B., D. W. Thomas and R. Sasseen (1981). *Nycteris grandis* (Nycteridae): an African carnivorous bat.

Nycteris grandis in Mana Pools National Park in Zimbabwe regularly include a variety of vertebrates and arthropods in their diet, ranging from fish through frogs, bats and birds, to different Orthoptera, Lepidoptera and Coleoptera. Analysis of the faeces of these bats suggests a considerable range in size of prey taken, from the 10 g birds and bats to caddis flies 15 mm long.

Fenton, M. B., J. M. Waterman, J. D. Roth, E. Lopez and S. E. Fienberg (1998c). Tooth breakage and diet: a comparison of bats and carnivores.

Species of carnivorans that eat bone are believed to break teeth more often than those eating mainly meat. Two predictions that arise from this hypothesis are that bats, which do not eat bone, will have a lower incidence of broken teeth than carnivorans and that smaller carnivorans, which often feed heavily on arthropods and other insects, will exhibit less tooth damage than larger carnivorans. We found no difference between bats and carnivorans in the proportion of skulls with broken or missing teeth in a sample including 10 species of carnivorans from ermines to bears, and 13 species of bats including some that eat insects, fruit, nectar and pollen, and blood. When the sample is expanded to include larger carnivorans studied by Van Valkenburgh (1988), there is a significant difference in the incidence of tooth breakage, indicating that the selection of species in the sample affects the results. Tooth breakage was strongly influenced by body size in carnivorans but not in bats. This evidence suggests that factors other than diet influence tooth breakage in mammals. We propose that lifespan, which increases with body size in carnivorans but not in bats, is a better predictor of tooth breakage than diet.

Ferris, G. F. (1930). Some African Diptera Pupipara.

For the material herein dealt with, I am indebted principally to Mr G. A. H. Bedford of the Division of Veterinary Services of South Africa. Other material collected by the writer from bats in the United States National Museum some years ago and a specimen received from Dr C. R. Kellogg of Foochow, China, are also recorded.

In this paper, as in others by the writer, the policy is followed of describing as new everything that cannot definitely be connected with named forms.

Findley, J. S. (1972). Phenetic relationships among bats of the genus *Myotis*.

A numerical taxonomic analysis of the species of the chiropteran genus *Myotis* revealed the existence of three major phenetic groupings. These may correspond to three feeding-foraging modalities. Phenetic evidence suggests the Oriental Region as a center of origin for *Myotis*, and a *Myotis goudoti*-]ike bat as a likely myotine prototype.

Findley, J. S. and H. Black (1983). Morphological and dietary structuring of a Zambian insectivorous bat community.

Diet and external morphology of nine species of insectivorous bats from Zambia, East Africa, were compared using multivariate methods. Morphological and dietary resemblance between species were positively correlated; that is, taxa which resembled each other most strongly morphologically were also most similar in dietary intake. The degree of morphological and dietary distinctiveness of a species was positively correlated with its morphological and dietary variability. For example, species which are quite distinct from others in morphology or diet tend also to be quite variable in those two attributes. Morphology of the bats was strongly,predictive of their diets; most dietary variance was accounted for by morphological variance, and the first morphological principal component predicted the presence in the diet of Lepidoptera, beetles, and Orthoptera with a high level of significance. These results led to a model of community organization for closely related species in which a relatively large number of specialists with invariant attributes are clustered near the community centroid and a smaller number of distinctive, variable species occupy niches more distant from the centroid.

Findley, J. S., E. H. Studier and D. E. Wilson (1972). Morphologic properties of bat wings.

A method was devised for estimating aspect ratio, wing ratio, wing area, wing loading, and wing length from study skins of bats. These measures were taken of 136 species representing 15 families. Wing area and loading are positively, and wing length negatively, correlated with size. Aspect and tip ratios are independent of size and of each other. Distinctive combinations of some of these variables characterize groups of bats that presumably have similar flight modes. Speed is positively correlated with aspect ratio and tip index, but regresses significantly only on the former. Long tips coupled with low aspect ratio may characterize hoverers. Long wings and short tips may characterize bats that are capable of remaining airborne at slow speeds. Most bats with low aspect ratios are forest dwellers, whereas species with high aspect ratios are migrants and foragers in open areas.

Findley, J. S. and G. L. Traut (1970). Geographic variation in *Pipistrellus hesperus*.

Geographic variation in *Pipistrellus Hesperus* consists of an eastern series of populations of large individuals and a western series of populations of small individuals, this situation perhaps resulting from historical changes in the distribution of deserts. Other facets of geographic variation involving color, sexual dimorphism, and variability are discussed in relation to climate, rainfall, and sexual differences in behavior.

Flower, S. S. (1901). 1. Notes on the fauna of the White Nile and its tributaries.

No Europeans having been able to visit the "White Nile for many years owing to the Mahdist insurrection, these notes on the animals seen during an expedition up this river may be of interest. The following itinerary will help to localize the places mentioned in this paper, which are not marked in the ordinary atlases available:

11th March, 1900. Leave Omdurmau and proceed up the White Nile.
12th. Pass El Duem, and later Kowa.
13th. Cross 14° North lat. in morning, pass Goz Abu Grorna, and arrive at Abu Zeit.
16th. Leave Abu Zeit.
17th. Pass Jebel Ain in morning.
18th. Reach Eenk in evening.
19th. Reach Long Tom in evening.
20th. Pass Jebel Ahmed Agar.
21st. Pass Kaka.
22nd. About 5 A.M. reach Fashoda, and about 9 P.M. the Sobat.
23rd. Reach the base-camp of the sudd-cutting expedition near Gabt-el-Meghahid; about 5 P.M., mouth of the Bahr-el-Zeraf.
24th-26th. Proceed about 50 miles up the Zeraf and back again.
27th. Proceed west along the White Nile, pass the mouth of the Bahr-el-Jebel, reach Lake No.
28th. Leave Lake No, proceed up the Bahr-el-Ghazal.
29th. Visit tributaries of the Bahr-el-Ghazal (the Bahr-el-Arab, proceeding about 12 miles up and back again ; the Bahr-el Homar found unnavigable).
30th. On Lake Ambadi, near Meshra er Rek.
31st March-2nd April. Return down the Bahr-el-Ghazal to Lake No.
3rd April. Proceed up the Bahr-el-Jebel.
5th. Pass Heliat Nuer (=Meshra Nuer, or Eljab Dok).
8th. Reach neighbourhood of Shumbe (=Schambeh), about 7° 20' North latitude, and about 830 miles from Omdurman, and turn back on account of shallow water and want of fuel for the steamer.
14th. Get back to mouth of the Bahr-el-Jebel, and 11 P.M. reach Gabt-el-Meghahid.
16th. Proceed about 12 miles up the Sobat and down again.
17th. Reach Fashoda.
26th. Arrive back at Omdurman.

I have to acknowledge my deep sense of obligation to Sir William Garstin, K.C.M.G., and to Mr. C. Crawley for their assistance in noting facts of interest and in securing specimens during the two months I had the privilege of travelling with them on the Nile; and to the officials of the British Museum of Natural History for their invariable kindness in helping me to work out the collections brought home. I am particularly indebted to Mr. Oldfield Thomas and to Mr. W. E. Ogilvie Grant.

The nomenclature of the birds in this paper is according to the British Museum Catalogue, but the Orders are arranged as far as possible as in the Exhibition Bird Gallery, and not according to the volumes of the Catalogue.

Flower, S. S. (1932). 22. Notes on the recent mammals of Egypt, with a list of the species recorded from that kingdom.

Many Egyptian mammals had been described, especially by Cretzschmar, F. Cuvier, E. Geofiroy, Hemprich & Ehrenberg, Lichtenstein, and Linnaeus, but a general account of the Mammals of Egypt was much needed.. Dr. John Anderson, F.R.S. (1833-1900) had set his heart on bringing out a complete and useful book; his whole energy was concentrated on his self-imposed task, when the work was cut short suddenly by his death on 15 August, 1900.

After Andersen's death his widow decided to publish a book as complete as could be made from her husband's notes, and, at the joint request of herself and W. T. Blanford (1832-1905), W. E. de Winton (1856-1922) undertook the revision and completion, as far as possible, of the work, the result being

the publication in 1902 (Hugh Rees, Ltd., London) of the 'Zoology of Egypt: Mammalia,' a magnificent quarto volume of 391 pages, with, besides other illustrations, fifty-five hand-coloured plates which have seldom been equaled either for zoological accuracy or artistic merit, the artist being P. J. Smit.

Everyone interested in zoology or Egypt must be grateful to the liberality of the late Mrs.- Anderson and to the perseverance of de Winton in producing this interesting volume, and it seems almost invidious to make any criticisms.

However, it is easily understood that the editing of a posthumous work, based on incomplete and often undated memoranda (written in this case during a period of eight years), is a difficult task, and everyone will agree that de Winton did all he could under the circumstances.

The result was a valuable contribution to Mammalogy, but hardly a natural history of the Mammals of Egypt. 138 out of 363 pages of text (38 per cent.) and 30 out of 66 plates (45 per cent.) refer to animals of tropical Africa which do not occur in Egypt - that is to say, in the country that is usually called Egypt as apart from the Anglo-Egyptian Sudan. On the other hand, such species of Egyptian mammals as the -Leopard, Seal, and Bottle-nosed Dolphin are not mentioned.

Before even a complete nominal list of the Mammals of Egypt can be written very much more field-work remains to be done, especially in the great tract of hilly country that lies between the Nile and the Bed Sea, and also to a lesser extent on the eastern side of the Sinaitic Peninsula and in the oases of the western desert. This paper, will show how little is yet known, and how the very existence of several species rests on the evidence of even less than half-a-dozen individual specimens of each.

The conditions under which wild animals live in Egypt are altering so rapidly through modern changes, especially in irrigation and communication, that it may be useful to put on record the notes now presented by one who was fortunate enough to be able to walk and ride about the country before the internal-combustion engine brought havoc in its train.

Foley, H. (1922). Contribution a l'étude de la faune saharienne (Première Note).

Nous avons examiné, de 1907 à 1920, pour la recherche de leurs parasites songuicoles, un assez grand nombre d'animaux appartenant à la faune saharienne. Ils ont été rencontrés, soit à Beni-Ounif de Figuig pendant un séjour de 8 années, soit au cours d'explorations scientifiques que nous avons faites, seul ou avec le Dr Edmond SERGENT, dans le Sud Algérien. D'autres nous ont été envoyés de divers postes des Territoires du Sud par des médecins militaires, qui nous ont aimablement prùeté leur concours.

La première liste que nous donnons ci-dessous - simple contribution à l'inventaire de la saune saharienne - ne comprend que les Vertébrés. Elle n'a pas été établie par une recherche systématique, mais au hasard des déplacements et des circonstances: elle est donc fort incomplète. Elle pourra, cependant, fournir aux spécialistes quelques indications utiles de géographie zoologique, grâce à l'exactitude des déterminations que nous devons à savants autorisés: MM. Le Dr. TROUESSART, professeur au Muséum, et SEURAT, professeur à la Faculté des Sciences d'Alger, pour les Mammifères; MENEGAUX et KOLLMANN, du Muséum, pour les Oiseaux; Dr. PELLEGRIN, du Muséum, pour les Poissons; DOUMERGUE (d'Oran), pour les Reptiles. Nous leur exprimons nos vifs remerciements.

Le lieu et la date de la capture sont indiqués pour chaque espèce. Les remarques biologiques qui suivent ces indications sons dues le plus souvent aux spécialistes qui ont fait les déterminations.

Fontenille, D., F. Rodhain, J. P. Digoutte, C. Mathiot, J. Morvan and P. Coulanges (1989). Les cycles de transmission du Virus West-Nile a Madagascar, Ocean Indien.

Des recherches virologiques, sérologiques et entomologiques entreprises à Madagascar, depuis 1975 ont permis de mettre en évidence la large répartition du virus West-Nile sur l'île. Cet arbovirus a été isolé chez l'homme, les perroquets et les aigrettes. Les vecteurs appartiennent au genre *Culex*, mais

le virus a été également isolé chez des *Aedes* et des *Anopheles*. Les sérologies pratiquées sur plus de 1600 sérums humains et près de 1000 sérums animaux, ont montré que l'homme peut être contaminé dans toute l'île. Les autres hôtes vertébrés possibles mis en évidence, en plus des oiseaux, sont les bovins et les chauves-souris. Les insectivores, les rongeurs et les lémuriens jouent probablement un rôle très faible.

Forman, G. L. (1973). Studies of gastric morphology in North American Chiroptera (Emballonuridae, Noctilionidae and Phyllostomatidae).

Stomachs of 12 species of Neotropical bats were examined grossly and histologically. Those of stenodermines (family Phyllostomatidae) were highly variable in configuration between species, and even congeneric kinds were distinguishable. The stomachs of stenodermines varied in elongation of the caecum or elongation of the pyloric region, both of which provided for accommodation of large quantities of food. Structural peculiarities, especially in the stenodermines, were considered with respect to their possible relationship to diet.

Francis, C. M. and J. E. Hill (1998). New records and a new species of *Myotis* (Chiroptera, Vespertilionidae) from Malaysia.

The status of *Myotis ater* and *Myotis muricola* in south-east Asia is reviewed. Both species appear to occur sympatrically in several localities including Sulawesi, Borneo and peninsular Malaysia. Peninsular Malaysian specimens referred to *M. ater* are larger than those from elsewhere and are allied with *ater* with some doubt. *M. ater nugax* from Borneo appears be the Bornean representative of *M. ater*, but specimens formerly referred to that form by Hill and Francis (1984) and Payne *et al.* (1985) prove to be a previously undescribed species which described here. *M. oreias* from Singapore is quite distinct from any of these species, but the type and only known specimen is in poor condition, and its true affinities are difficult to determine.

Le statut de *Myotis ater* et de *Myotis muricola* en Asie du Sud-Est est évalué. Les deux espèces sont trouvées en sympatrie dans plusieurs localités incluant Sulawesi, Borneo et la Malaisie peninsulaire. Les spécimens de la peninsule malaise considérés comme *M. ater* sont plus grands que partout ailleurs, et sont associés à *ater* avec quelques doutes. *M. ater nugax* de Borneo est bien le répresentant local de *M. ater*, mais des spécimens attribués précédemment à cette forme par Hill et Francis (1984) et Payne *et al.* (1985) representent en fait une espèce nouvelle, décrite ici. *M. oreias* de Singapour est nettement distincte de ces autres espèces, mais le spécimen-type, qui est le seul spécimen connu de l'espèce, est en mauvais état, et ses réelles affinités sont difficiles à determiner.

Freeman, P. W. (1979). Specialized insectivory: beetle-eating and moth-eating molossid bats.

The jaw structure and mechanics of insectivores have been little studied. An efford is made here to compare and contrast jaw characteristics of insectivorous bats with thos of herbivores and carnivores. Further, in one particular family of bats (Molossidae) jaw modifications are such that animals that take hard-shelled insect prey can be distinguished from thos that take soft-shelled insect prey. Beetle-easters generally have thick jaws, well-developed cranial crests, and fewer but bigger teeth, whereas moth-eaters have thin jaws, little crest build-up, and more but smaller teeth.

Freeman, P. W. (1981b). A multivariate study of the family Molossidae (Mammalia, Chiroptera) morphology, ecology, evolution.

The primary goal of my study, determining natural morphological groups of molossid bats, isccomplished by defining exactly the variation which occurs among the extant molossid species. I attempted to include as many of the species in the family as was possible.

To do this, I used principal components, distance (size-in and size-out), and correlation analysis on 80 species. Morphological trends that emerge from the data are size, as indicated by the first component; a suite of jaw characters, by the second; several facial features, by the third; and a few less important features, but particularly a wing characteristic, by the fourth. Each of the groups of phonetically similar molossids which appear in the PCA and in the distance and correlation analyses are described in terms of characters which are most highly correlated with the components. In particular, the second component, concerned with jaw structure, divides the species in the following way: *Cheiromeles, Molossus, Promops, Mops, Myopterus, Molossops* (including *Neoplatymops* and *Cynomops*), and several species of *Mormopterus* (including *Platymops*) and *Eumops* are located on the positive side of this axis, meaning these molossids have relatively thick jaws and robust skulls; molossids on the negative side *Tadarida, Nyctinomops, Chaerephon, Otomops*, and several species of *Mormopterus* (including *Sauromys*) and *Eumops*, have thin jaws and less robust skulls. I use the suite of jaw characters to predict what molossids are eating and give data to support the predictions: bats with thick jaws eat hard-shelled insects like beetles, and bats with thin jaws eat soft-shelled insects like moths. Likewise, I predict where molossids may be roosting or flying based on the shape of their wing tips. Bats with broad (relative to other molossids) wing tips may be slower and mor emaeuverable than molossids with narrow tips, and the few data available support this notion. Molossids tend to have two kindes of appearances: one with large, anteriorly directed ears which are joined over the nose, lips that are wrinkled, and basisphenoid pits that are medium or deep; and the other with short, laterally directed ears which are widely separated, lips that are unwrinkled, and basisphenoid pits that are shallow or nonexistent. I suspect that the two different appearances indicate two different ways in which molossids detect and consume prey, but I have no data to support or refute this thought.

Ecologically, both New and Old Worlds contain molossids with thick and thin jaws, *Molossus* in the New World and *Mops* in the Old World are probably ecological counterparts in that both probably concentrate on hard-shelled foods. The same is true of several molossids with thin jaws in both the New and Old Worlds; these bats are probably concentrating on soft-shelled prey. However, in another morphological characteristic, the width of the wing tip, the fauna in the New World contains most of the species with narrow wing tips. As for general size in molossids, the percentage of medium-sized bats is approximately the same in both New and Old World; but th Old World tends to have a greater percentage of large molossids, whereas the New World has a greater percentage of small ones.

The evolutionarey or phylogenetic relationships among the species and the genera are examined phonetically and with the use of several primitive-derived characters. Twelve genera are delineated:

Chaerephon (formerly *Tadarida [Chaerephon]*)
Cheiromeles
Eumops
Molossops (including *Neoplatymops* and *Cynomops* as subgenera)
Molossus
Mops (formerly *Tadarida [Mops]*; includes *Xiphonycteris*)
Mormopterus (formerly *Tadarida [Mormopterus]*; including *Sauromys* and *Platymops* as subgenera)
Myopterus
Nyctinomops (including four New World species formerly assigned to *Tadarida*)
Otomops
Promops
Tadarida

Three of these genera, *Tadarida, Mormopterus*, and *Eumops*, are more dispersed morphologically than the other nine. I think all 12 form natural groups based on morphological similarity.

In terms of primitive-derived traits, two groups emerge: the *Mormopterus*-like bats and the *Tadarida*-like bats. *Tadarida* and *Mormopterus* are the two most primitive genera to which all other genera can be related. The two groups differ primarily in ear design, separated or joined, and associated characters mentioned above and represent two basically different ways of detecting and consuming prey. Parallel trends of tooth loss and increased robustness of the skull occur in both groups. Genera

in the *Mormopterus* group are *Mormopterus, Molossops, Myopterus*, and *Cheiromeles*; and genera in the *Tadarida* group are *Tadarida, Nyctinomops, Chaerephon, Mops, Otomops, Eumops, Promops*, and *Molossus*. These last three genera are the most derived in the family.

Geographically, the Indo-Australian molossid fauna is the most dispersed morphologically followed by the Neotropical and Ethiopian faunas. Good cases can be made for all three being the oldest molossid fauna: morphologically, the most distinctive genus, *Cheiromeles*, is found in the Indo-Australian fauna; ecologically, the Ethiopian molossids seem to fill more completely the available niches; and phylogenetically, the most derived genera are in the New World.

Freeman, P. W. (1984). Functional cranial analysis of large animalivorous bats (Microchiroptera).

Large animalvorous bats include carnivorous, piscivorous and insectivorous microchiropterans. Skull proportions and tooth morphology are examined and interpreted functionally. Four wide-faces bats from four families are convergent in having wide skulls, large masseter muscle volumes and stout jaws, indicating a powerful bite. Three of the four also have long canine teeth relative to their maxillary toothrows. Carnivorous bats have more elongate skulls, larger brain volumes and larger pinnae. The wide-faces bats are all oral emitters and have heads positively tilted relative to the basicranial axis. The carnivorous species are nasal-emtting bats and have negatively tilted heads. The orientation of the head relative to the basicranial axis affects several characters of the skull and jaws and is not correlated with size. The speculation that the type of echolocation may be more of a determinant of evolutionary change than the feeding mechanism is addressed. Wide-faced bats are thought to be capable of eating hard prey items (durophagus) and are probably non-discriminating, aurally less sophisticated insect generalists while the carnivorous and non-durophagus insectivorous bats may be more discriminating and aurally more sophisticated in what they eat.

Freeman, P. W. (1988). Frugivorous and animalivorous bats (Microchiroptera): dental and cranial adaptations.

The most derived fruit-eating bats have small canines, wide palates and molars with a distinctive labial rim. Paracone and metacone have moved from a dilambdodont position in the middle of the tooth the labial side of the tooth where they form the labial cutting edge. Along with the well-developed and close fitting labial cutting edges of the premolars and canines, this cutting edge skurts nearly the entire perimeter of the palate. The labial rim of the lower teeth fit inside the labial rim of the upper teeth like two cookie cutters nesting one inside the other. Frugivores have a greater allocation of tooth area at the anterior end of the toothrow. The area occupied by canines of predators of struggling prey is greater than that for bats that eat non-struggling prey leke fruit. In addition, frugivores have wider palates than long while many carnivores have longer palates than wide. Omnivores appear to have a more equal allocation of space to more kninds of teeth, particularly the incisors and non-molariform premolars, on the toothrow than do frugivores or animalivores. The mechanical nature of different food items is discussed and the suggestion made that describing foods in terms of their texture may be more important in tooth design than whether they are fruit or insect or vertebrate.

Freeman, P. W. (1992). Canine teeth of bats (Microchiroptera): size, shape and role in crak propagation.

Upper canines in microchiropteran bats show a variety of cross-sectional shapes. A consistent feature of all species studied here is that the tooth is edged and not simply round or oval. Prominent sharp edges are positioned in several directions but particularly antero-medially toward the incisors and posteriorly toward the premolars. These edges appear to direct the cracks made in food items to the incisors or to the premolars. A continuous cutting edge is apparent in the occlusal view of the palate running from tip of canine to the ectoloph of the molars. Size and shape analysis indicates that larger bats have slender, rather than stouter, canines for their height, a condition that may be attributable to

the nature of the prey. Most bats take prey that have little hard substance imbedded within. The compromises in tooth shape may vary between that of a terrestrial predator with short, conical canines for processing endoskeletal prey to that of a small flying predator with long, slender, edged canines for capturing and processing exeskeletal prey. Unicuspid teet and how they might function in food break-up have been overlooked to the literature; such a study could lead to an understanding of how more complex teeth function.

Freeman, P. W. (1995). Nectarivorous feeding mechanisms in bats.

Cranio-dental characteristics are quantified between micro- and megachiropteran nectarivores and compared with microchiropteran animalivores, frugivores, and megachiropteran frugivores. Microchriopteran nectarivores share many characteristics with megachiropteran nectarivors and frugivores, but differ in having a long, narrow head. Megachiropterans have wide zygomata, which would allow for more jaw musculature. Diminutivfe cheekteeth are characteristic of nectarivory in both suborders, but both have relatively large canines. Teeth in nectarivores can occupy as little as a tenth of the palatal area compared to nearly two-thires in microchiropteran animalivores. The proportion that the dilambdodont stylar shelf occupies of molars in microchiropteran nectarivores can be as much as that in microchiropteran animalivores (insectivorous and carnivorous bats) or a little as that in microchiropteran frugivores but not as extreme as either. In addition to diminutive teeth, nectarivores have fused mandibles and upper canines that are worn from contact with the lower canines (thegosis). These characteristics may be necessary for the lower jaw to support an elongated, mobile tongue. While microchiropteran nectarivory, frugivory, and carnivory probably evolved independently from an insectivorous microchiropteran ancestor, megachiropteran nectarivory probably evolved from megachiropteran frugivory or the reverse.

Freeman, P. W. and C. A. Lemen (1992). Morphometrics of the family Emballonuridae.

Morphometric analysis reveales three distinctive groups among the genera of emballonurids. *Taphozous* - *Saccolaimus* is a group distinctive in size and shape, particularly cranially. Diclidurids are distinctive in appendicular characters only, especially those in the wing. The third group includes all other emballonurids. Phylogenetic studies also separated *Taphozous* - *Saccolaimus* as distinctive but included diclidurids among other New World species. Compared with molossids, emballonurids are morphologically quite homogeneous.

Freeman, P. W. and W. N. Weins (1997). Pucturing ability of bat canine teeth: The tip.

Casts of upper canine teeth of 15 species of microchiropteran bats were fixed securely into a testing machine and made to puncture the bloom side of an appel. The force necessary to break through the surface of an appal was regressed against both shape of the tip of the canine and the size of the animal. Sharper tips require less force to puncture than blunt ones. Results were also verified using giant two-dimensional models of Plexiglas™ with sharp and blunt tips that were loaded onto a Plexiglas™ beam. Fringes, or stress lines, are more highly concentrated at the point of contact for a smaller radius than for a larger radius under the same loading conditions, indicating that stress in the beam is higher and more concentrated at the sharper tip. Ours is some of the first experimentatl work to quantify apical sharpness of a tooth and performance as it punctures a substance.

Freitas, T. R. O., M. R. Bogo and A. U. Christoff (1992). G-, C-bands and NOR studies in two species of bats from Southern Brazil (Chiroptera: Vespertilionidae, Molossidae).

Described the karyotypes of two species of bats from Southern Brazil, *Eptesicus brasiliensis* (2n = 50; AN = 48) and *Molossus molossus* (2n = 48; AN = 54). The study of *E. brasiliensis* was based in seven males and seven females, while that of *M. molossus* included three males and 13 females. All

autosomal chromosomes of *E. brasiliensis* are acrocentric, while *M. molossus* presents four pairs of submetacentric and 19 pairs of acrocentric chromosomes. Both species present an acrocentric Y chromosome; the X is submetacentric in *E. brasiliensis* and metacentric in *M. molossus*. The G-bands of *E. brasiliensis* do not differ markedly from those reported for other species of *Eptesicus. M. molossus*, however, presents a rather different G-pattern from those of other species of the same family. As for the C-bands, the results for both species are not remarkably different from those of other species of the same families. *E. brasiliensis* and *M. molossus* show a nucleolus organizing region (NOR) in only one pair, the one that presents a secondary constriction near the centromere.

Es werden Standardkaryogramme sowie G-, C- und NOR-gefarbte Metaphasen von zwei Fledermausarten aus Südbrasilien beschrieben. Je 7 Männchen und Weibchen von *Eptescus brasiliensis* (Vespertilionidae) und 3 Männchen und 13 Weibchen von *Molossus molossus* (Molossidae) wurden untersucht. Die cytogenetische Analyse ergab 2n = 50 und AN = 48 für *E. brasiliensis* und 2n = 48 und AN = 54 für *M. molossus*. Bei *E. brasiliensis* sind alle Autosomen akrozentrisch; *M. molossus* weist 4 Paare submetazentrischer und 19 Paare akrozentrischer Chromosomen auf. Beide Arten haben ein akrozentrisches Y-Chromosom, das X-Chromosom ist submetazentrisch bei *E. brasiliensis* und metazentrisch bei *M. molossus*. Die Muster der G-Bander bei *E. brasiliensis* unterscheiden sich nicht von denen anderer *Eptesicus*-Arten. Dagegen unterscheidet sich *M. molossus* deutlich von anderen Arten der Familie. Bei den C-Bandern ergaben sich keine wesentlichen Unterschiede. Bei beiden Arten ließen sich NORs nur in einem Chromosom anfarben, welches eine sekundare Einschnurung in der Nahe des Centromers aufweist.

Friant, M. (1951). La dentition temporaire, dite lacteale, de la Rousette (*Rousettus leachi* A. Sm.), Chiroptère frugivore.

La dentition temporaire du genre *Rousettus*, qui était, jusqu'ici, inconnue, est plus régressée encore que celle des Chiroptères insectivores: elle comporte une seule molaire, Mt2; à la mâchoire supérieure, les dents, en forme, de crochets simples et aigus, montrent, par leur position, le rôle qu'elles jouent, durant les premiers mois de la vie, alors que le jeune demeure accroché à la fourrure de sa mère.

Frost, D. R. and R. M. Timm (1992). Phylogeny of Plecotine Bats (Chiroptera:"Vespertilionidae"): Summary of the evidence and proposal of a logically consistent taxonomy.

Using standard phylogenetic techniques, 25 transformation series of morphological characters and 11 of karyological characters are evaluated in an attempt to recover the phylogenetic history of plecotine vespertilionid bats. Plecotini contains four genera in the topology (*Euderma (Barbastella (Plecotus Corynorhinus*))). The Plecotini of Hill and Harrison (1987), including *Rhogeessa, Baeodon, Nycticeius*, and *Otonycteris*, is rejected because this view is based solely on subjective evaluations of bacular overall similarity, and is clearly in disagreement with other lines of evidence from anatomy and karyology. *Idionycteris* is synonymized with *Euderma* because *I. phyllotis* and *E. maculatum* are sister species. *Corynorhinus* is removed from the synonymy of *Plecotus*. The relationships within *Corynorhinus* and *Plecotus* are not resolved.

Funaioli, U. (1959). I mammiferi della Somalia. Cenni al loro intreesse nell'economia del Paese. Primo elenco.

In una mia precedente nota dedicata all'esame del problema faunistico e venatorio della Somalia (1) auspicavo una sollecita e più realistica revisione dell'Ordinanza A.F.I.S. N. 26 rep. del 6 dicembre 1951 che regola attualmente l'esercizio della attività venataria, in quanto rivelatasi in molti punti inadeguata ad un sano sfruttamento del patrimonio faunistico, mentre per altri lascia adito a dubbi per i cacciatori e per i tutori della Legge.

Un elemento fondamentale di questa revisione è rappresentato dalla conoscenza degli animali che compongono il patrimonio faunistico, della loro distribuzione geografica e del loro ruolo attuale nell'economia agraria e generale del Paese.

Ho creduto pertanto opportuno compilare, sulla base degli studi italiani e stranieri che ho potuto rintracciare e con l'aggiunta di qualche elemento acquisito direttamente in Somalia, un primo elenco dei mammiferì di questo Paese, nei suoi confini politici, accennando a problemi attuali vari ad essi inerenti, all'interesse che essi rivestono per cacciatori (costituendo essi il maggiore oggetto dell'attività venataria), commercianti ed agricoltori della Somalia, e coll'intento di fornire una prima base aggiornata a studiosi ed a legislatori nel campo faunistico e venatorio somalo.

L'ordine sistematico seguito è quello di-ALLEN M.G. (1939), mentre le notizie relative alla distribuzione degli animali, alla loro biologia ed alla loro importanza economica sono ricavate da numerose pubblicazioni nonchè dalla esperienza personale di alcuni, anni di soggiorno in Somalia

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Funaioli, U. and B. Lanza (1968). On some bats from Somalia.

We have some time ago begun a detailed study of the Chiroptera from Somalia. This study considers chiefly specimens in the collections of the Museo Zoologico of the University of Florence, the Museo di Storia Naturale "Giacomo Doria" of Genoa and the Museo di Storia Naturale of Milan, which house particularly rich collections from this region. However, as a considerable time will lapse before this extensive research will be completed, we deem it useful to publish now some particularly significant finds. We are grateful, for the valuable assistance given us by Dr. V. AELLEN (Muséum d'Histoire Naturelle, Genève), Dr. D. L. HARRISON (British Museum of Natural History, London) and Dr. K. F. KOOPMAN (American Museum of Natural History, New York).

Funaioli, U. and A. M. Simonetta (1966). The mammalian fauna of the Somali Republic: Status and conservation problems.

The present report is, in some ways, a follow-up of our paper "Statut actuel des Ongules en Somalie" (FUNAIOLI & SIMONETTA, 1960); the Mammalian Fauna of Somalia is, indeed, among the less known of Africa both in its composition and in distribution, so that both mammalogists and the Somali and International Authorities concerned with the conservation and scientific exploitation of wildlife are greatly interested in obtaining information on the present status of the Mammals of Somalia and on possible future developments of the situation.

We have been asked by colleagues working at the Smithsonian African Project, as well as by F.A.O. Offices and by Officers of the Somali Government to make available the information we had gathered in these years of study of the Fauna of the Somali Republic and to give advice as to the more effective measures to take for its conservation.

Indeed, such a report, if it could combine the more relevant data on the whole Mammalian Fauna of the Republic (within its present political borders), with and objective evaluation of the present and possible future economic significance of wildlife for the People of Somalia, might prove of some use to the pure zoologists as well as to those involved in planning the economic development of Somalia. It might also disoblige us a little of the assistance and hospitality which the People and the Government of the Somali Republic have offerec to our expeditions.

Moreover, though our research plans have always been primarily aimed at pure research, in the present stage of social and economic development, it is mandatlory that whenever in the course of research the scolar collects data which may be of practical use, he makes tham promptly available to whoever may be concerned with their use.

Funakoshi, K., A. Zubaid and S. Matsumura (1995). Regular pulse emission in some megachiropteran bats.

We recorded vocalizations of megachiropteran bats, *Cynopterus brachyotis, C. horsfieldi, Megaerops ecaudatus* and *Macroglossus sobrinus* as they were held in our hands, in a hanging position or moved up and down, simulating flight. All four species produced regular audible tone pulses with a frequency spectrum of less than 9 kHz (peak at 4 - 6 kHz). The duration of a single pulse varied from 14.9 to 23.6 msec on average among these species. The interpulse interval was between 108.3 and 127.7 msec. In *M. ecaudatus* and *M. sobrinus*, double pulses were occasionally emitted, with interpulse intervals averaging 39 msec and 31 msec, respectively. The regular pulse emission may indicate that the bats studied use sounds to probe space.

Gaisler, J. (1970). The bats (Chiroptera) collected in Afghanistan by the Czechoslovak expeditions of 1965-1967.

The present paper is based on a total of 748 specimens of 17 species of bats, collected in Afghanistan during several shorter periods in 1965 to 1967. In taxonomical evaluation of the material - being the core of the study - a thorough comparison has been made with the material of the British Museun (Natural History). Evidence has been obtained of the presence of following species and subspecies in Afghanistan: *Rhinopoma microphyllum microphyllum, Rhinopoma hardwickei hardwickei, Rhinopoma hardwickei seianum, Taphozous nudiventris kachhensis, Megaderma lyra lyra, Rhinolophus ferrumequinum irani, Rhinolophus hipposideros midas, Hipposideros fulvus pallidus, Myotis longipes, Eptesicus nasutus nasutus, Eptesicus serotinus turcomanus, Eptesicus serotinus pashtonus, Nyctalus montanus, Pipistrellus pipistrellus bactrianus, Pipistrellus pipistrellus mediterraneus, Pipistrellus coromandra coromandra, Pipistrellus kuhli lepidus, Scotophilus heathi heathi, Plecotus austriacus wardi, Miniopterus schreibersi fuliginosus* and *Miniopterus schreibersi pallidus*. A revision has been made of the subspecies of *Eptesicus serotinus* and a new ssp. *pashtonus* described. *Myotis longipes, Eptesicus walli* and *Nyctalus montanus* are valid species. The systematics of *Pipistrellus coromandra* is unclear; it is possible that the specimens, tentatively arranged under the nominates subspecies . . . new species. *Pipistrellus aladdin* appears to be synonymous with *Pipistrellus pipistrellus bactrianus*. Apart from the distribution and systematics of individual species, also their sex dimorphism, ecology and reproduction has been investigated.

Gaisler, J. (1983). Nouvelles données sur les Chiroptères du nord algérien.

Myotis nattereri est signalé pour la première fois en Algérie. *Myotis capaccinii* et *Pipistrellus pipistrellus* ont été retrouvés dans ce pays après une centaine d'années. *Pipistrellus savii*, provenant de trois régions d'altitude (entre 1050 et 2004 m), fait l'objet de précisions sur son écologie et sur son comportement. La distribution de 10 autres espèces, *Rhinolophus ferrumequinum, R. hipposideros, R. euryale, R. mehelyi, R. blasii, Myotis blythi, M. emarginatus, Pipistrellus kuhli, Plecotus austriacus* et *Miniopterus schreibersi*, est complétée par quelques données faunistiques. Le peuplement d'une grotte au cours de l'année et l'activité saisonnière des Chiroptères dans une ville sont étudiés.

Myotis nattereri is recorded for the first time in Algeria and for the second time in Africa. *Myotis capaccinii* and *Pipistrellus pipistrellus* are rediscovered in the country after a hundred years. *Pipistrellus savii* is recorded in two Algerian National Parks and in one town, at the elevations ranging from 1050 to 2004 m; data are given on its ecology and behaviour. The other ten species, *Rhinolophus ferrumequinum, R. hipposideros, R. euryale, R. meheleyi, R. blasii, Myotis blythi, M. emarginatus, Pipistrellus kuhli, Plecotus austriacus* and *Miniopterus schreibersi*, are recorded for new locations. Chiropteran community in a cave on the Mediterranean coast was explored during 11 successive visits. Bats hunting in a town were netted and their activity registered and correlated with some climatic parameters.

Gaisler, J. (1984). Bats of northern Algeria and their winter activity.

Twenty-six species of 6 families of bats are recorded in Algeria, 17 of which occur in the northern (mediterranean) zone of that country. *Myotis nattereri* and *Nyctalus leisleri* are added to the fauna list of Algerian mammals. *Pipistrellus savii* appears to be a common bat in the Algerian mountains. Winter activity of Pipistrelle and Longeared bats was studied in the town of Setif. These bats seem to hibernate but their lethargy is often interrupted by periods of hunting activity.

Gaisler, J. and K. Kowalski (1986). Results of the netting of bats in Algeria (Mammalia: Chiroptera).

Three hundred seventeen bats of 20 species were taken by nets at 26 localities, most of them in northern Algeria, in the years 1980 - 1983. This sample has been evaluted with regard to faunal size, relative abundance, species diversity in areas, and the foraging diversity of the species. The species diversity corresponds in a certain degree to the diversity of environment, and on the whole it is higher in samples from western Algeria than from the east of the country. The highest foraging diversity has been found in *P. kuhli*, the only species caught both in the Mediterranean zone and in the desert; a high foraging diversity is also shown by *M. blythi, P. pipistrellus, E. serotinus, R. ferrumequinum* and *P. austriacus*. The bats are less active in the Meditenramean zone as well as in oases in the Sahara in winter. Two peaks of nocturnal activity, with the maximum after sunset, have been ascertained in three most abundant species.

Gaisler, J., G. Madkour and J. Pelikán (1972). On the bats (Chiroptera) of Egypt.

The present paper is based on a total of 236 specimens of 11 species of bats, collected in Egypt (A. R. E.) during April and May, 1969. In taxonomical evaluation of the material - being the core of the study - evidence has been obtained of the presence of the following species and subspecies in Egypt: *Rousettus aegyptiacus aegyptiacus, Rhinopoma hardwickei sennaariense, Rhinopoma hardwickei cystops, Taphozous perforatus perforatus, Taphozous nudiventris nudiventris, Nycteris thebaica thebaica, Rhinolophus clivosus clivosus, Rhinolophus clivosus brachygnathus, Asellia tridens tridens, Pipistrellus kuhli marginatus, Pipistrellus deserti, Plecotus austriacus christiei* and *Otonycteris hemprichi hemprichi*. Particular attention is paid to *P. deserti*, a species new for the fauna of Egypt, evidence being forwarded of this species being different from the sympatric forms of the genus *Pipistrellus*. Remarks on the ecology of each of the species collected are attached. A systematic review is given of 8 families, 13 genera and 21 species of bats hitherto recorded in Egypt, with notes on their occurrence. In zoogeographical respect, most of the species (76.2 %) are Palaearctic, those of Afro-eremic origin predominating. The rest (23.8 %) are Ethiopian species. The chiropteran fauna, of Egypt is related especially to that of the Arabian Peninsula and also to that of the Maghreb region.

Gallagher, M. D. and D. L. Harrison (1988). The small mammals of the Wahiba Sands, Oman.

The results are presented of a survey to establish what species of small mammals occur in the Wahiba Sands, and to provide preliminary evidence of their distribution and behaviour. Ten bats (Chiroptera) of three species were collected (Trident bat *Asellia tridens*, Persian Leaf-nosed Bat *Triaenops persicus*, and Kuhl's Pipistrelle *Pipistrellus kuhli*); and eight rats and mice (Rodentia: Muridae) of two species (Black Rat *Rattus rattus*, House Mouse *Mus musculus*; and 18 specimens of Cricetidae: Sundevall's Jird *Meriones crassus* and Cheesman's Gerbil *Gerbillus cheesmani*). The pipistrelle, jird and gerbil were found in the Sands, the remainder on the border. Evidence is given of other species which may occur. Further behavioural studies are suggested.

Garnham, P. C. C. and R. B. Heisch (1953). On a new blood parasite of insectivorous bats.

(1) A new blood parasite - *Nycteria medusiformis* n.gen.n.sp. - of insectivorous bats (*Nycteris capensis*) is described.

(2) Gametocytes only are present in the blood, and infected erythrocytes show filaments protruding from the surface.

(3) Tissue schizonts are found in parenchyma cells of the liver, superficially resembling, the pre-crythrocytic schizonts of *Plasmodium falciparum*, but differing essentially in the structure of the nuclei.

Gautier-Hion, A. and G. Michaloud (1989). Are figs always keystone resources for tropical frugivorous vertebrates? A test in Gabon.

This paper evaluates the suggestion of Terborgh (1986) that figs constitute "keystone plant resources" for frugivorous mammals and birds in African rain forests as they appear to do in South America and Asia. From studies of the diets of monkeys and other mammals and birds in Gabon, we show that figs are infrequently eaten by most species, and are always eaten in small amounts. Figs in Gabon occur at very low densities and have unpredictable fruiting patterns and relatively low crown production. Thus, fig fruits are not staple foods and cannot sustain most populations of frugivorous species during periods of low fruit availability. In Gabon, monkeys and large birds depend on the fruit of two species of Myristicaceae and of one species of Annonaceae. These regularly bear ripe fruit during the lean period and are abundantly consumed. Figs occur in such distant patches that they are mainly fed on by wide-ranging animals such as large frugivorous bats.

Gelderblom, C. M., G. N. Bronner, A. T. Lombard and P. J. Taylor (1995). Patterns of distribution and current protection status of the Carnivora, Chiroptera and Insectivora in South Africa.

Geographic patterns of species richness and endemism in three mammalian orders (Chiroptera, Insectivora and Carnivora) were studied in relation to the biomes and existing protected areas of greater South Africa (including Lesotho and Swaziland). Locality data for 21500 specimens representing 124 species were analysed with a geographical information system. Species richness of Chiroptera is high in the savanna biome, particularly in the north-east of the country, owing to the marginal intrusion of 14 tropical species. Endemism in Chiroptera is low, however, with only two endemic species in the fynbos and Karoo biomes. The Carnivora display less biome specificity and endemism than the Chiroptera. Whereas the north-eastern savannas have the highest species richness, the transition between the Nama-Karoo and grassland biomes is an important southern African centre of endemism for the Carnivora, particularly the smaller species. In addition to being an important centre for species richness in the Carnivora and Chiroptera, the Kruger National Park is also particularly important for Red Data Book species in both orders. The Insectivora display both high species richness and endemism. Species richness of the Insectivora is greatest in the mesic south-east of the country, whereas endemism is most pronounced in the forest and grassland biomes. Differences in biome specificity and endemism between these orders reflect not only phylogenetic divergence, but also variation in body size, vagility and life-history strategies. Most of South Africa's endemics are small mammals and many of them are listed in the Red Data Book. Distributions, life-history strategies and trends in man-induced habitat degradation were used to re-evaluate the protection status of the 124 species. We conclude that at least 11 endemic species are not adequately protected by existing publicly owned protected areas and consequently identify several areas which need to be added to the existing protected area system.

Die geografiese patrone van spesiesverskeidenheid en endemisme in drie soogdier ordes (Chiroptera, Insectivora en Carnivora) is bestudeer in verhouding tot die biome en bestaande beskermde areas van groter Suid-Afrika (insluitend Lesotho en Swaziland). Lokaliteitdata vir 21500 eksemplare verteenwoordigend van 124 spesies is geanaliseer met behulp van 'n geografiese informasiesisteem. Spesiesverskeidenheid van Chiroptera is die hoogste in die savanna-bioom, veral in die noord-oostelike dele van die land as gevolg van die marginale indringing van 14 tropiese spesies. Endemisme in Chiroptera is laag, met slegs twee endemiese spesies, een elk in die fynbos- en Karoo-

biome. Die Carnivora vertoon minder bioomspesifisiteit en laer endemisme as die Chiroptera. Terwyl die noord-oostelike savannas die hoogste Carnivora spesiesverskeidenheid het, is die oorgang tussen die Nama-Karoo- en grasland-biome belangrik vir die endemiese Carnivora van suidelike Afrika, veral wat betref die kleiner spesies. Die Nasionale Kruger Wildtuin is nie net 'n belangrike sentrum vir spesiesverskeidenheid wat betref die Carnivora en Chiroptera, maar ook vir Rooi Data Boek-spesies van die twee ordes. Die Insectivora vertoon beide hoe spesiesverskeidenheid en endemisme, met die hoogste spesiesverskeidenheid in die mesiese suid-oostelike dele van die land, terwyl endemisme meer algemeen voorkom in die woud- en grasland-biome. Hierdie verskil in bioomspesifisiteit en endemisme reflekteer nie slegs filogenetiese divergensie tussen die ordes nie, maar ook variasie in liggaamsgrootte, verspreidingsvermoe en historiese lewensstragtegiee. Meeste van die Suid-Afrikaanse inheemse fauna is kiein soogdiere en bale van hulle is gelys in die Rooi Data Boek. Die bewaringstatus van 124 spesies is geherevalueer met inagneming van verspreidings, lewensgeskiedenis- strategies en verskynsels soos habitats wat deur die mens gedegradeer is. Ons gevolgtrekking is dus dat ten minste 11 van die endemiese spesies nie genoegsaam deur die bestaande reservaate beskerm word nie. Gevolglik het ons verskeie gebiede geïdentifiseer wat by die bestaande reservaatsisteem gevoeg moet word.

Genov, T., R. Stoykova-Hajinikolova and R. Mészáros (1992). *Molinostrongylus* spp. (Nematoda: Molineidae) from bats in Bulgaria, with a review of European species.

Four species of *Molinostrongylus* are recorded in bats in Bulgaria: *M. alatus* in *Myotis myotis* and *M. blythi*, *M. panousei* (= *M. ornatus* sensu Yanchev and Stoykova 1973) in *Miniopterus schreibersi* (new geographical record), *M. skrjabini* in *Nyctalus noctula*, and *M. vespertilionis* in *Pipistrellus pipistrellus* (new geographical record). The species are redescribed and figured. A survey of European *Molinostrongylus* spp. is presented. A total of 8 nominal species has been recorded in European bats; lists of records, hosts and localities are given for every species. *M. tipula* is regarded as species inquirenda; *M. morosovi* is considered nomen nudum. A key to *Molinostrongylus* spp. in Europe is included.

Genoways, H. H. and D. A. Schlitter (1985). Survey of the recent mammal collections of the world.

Survey of collections of recent mammals reveal that there are 706 of these collections located in 78 countries. These collections hold 4 874 954 specimens. There are 19 collections that hold 50 000 or more specimens of recent mammals.

Gerell, R. and K. Lundberg (1985). Social organization in the bat *Pipistrellus pipistrellus*.

The social organization of the pipistrelle bat *Pipistrellus pipistrellus* was studied by means of bat boxes in southern Sweden. The males set up territories around a roosting site in the beginning of the summer at the same time as the females formed nursing colonies. After breeding, the females joined the single males in their day roosts establishing transient mating harems. Subsequently, immatures arrived at the mating grounds. The immature females, which probably attained sexual maturity during their first autumn, were admitted to the day roosts of the harem males, in contrast to the immature males. The size of the harem was dependent on the total number of females present on the mating grounds. The size, however, was also restricted hy some factor, presumably the quantity of food resources in the surroundings of the specific roost site, or the capability of the . . . A resource defense polygyny, . . . Other related temperate species indicate a similar social organization in *Pipistrellus nathusii* and *Nyctalus noctula*.

Gerlach, J. (1993). The conservation of Silhouette Island, Seychelles. II. Animals.

Silhouette is the third largest of the granitic islands of Seychelles and, as such, supports a wide variety of localized plants and animals. The extensive ecological damage by forest clearance that occurred historically on other Seychelles islands has been prevented by the steepness of the terrain on Silhouette. Recent studies of the island's habitats have confirmed its great conservation value. The status of the species of animals recorded on the island are discussed below and specific conservation problems are described.

Gharaibeh, B. M. (1997). Systematics, distribution, and zoogeography of mammals of Tunisia.

The taxonomic identity of each species of mammals that occurs in the Republic of Tunisia, North Africa has been determined to the subspecific level. History of names was followed and descriptions of types were studied to better provide opinions on the nomenclature and minimize the confusion existing in the literature concerning the taxonomic identity of many Tunisian species. Keys to distinguish related taxa were constructed and maps depicting the distribution of species within the borders of Tunisia and in the whole North African region were drawn. These maps show original records obtained during this study as well records reported in the literature. Furthermore, the available natural history information on the Tunisian mammal fauna and background information on the vegetation, rainfall, topography, and land forms of the country were presented.

Chromosomal G-band data for *Meriones shawi* from Tunisia, hitherto unavailable, was used to reexamine proposed chromosomal homologies and update the phylogenetic tree of Family Gerbillidae. G-banded chromosomal complement for *Jaculus orientalis* was reported. Notable differences in pelage color were seen between populations of the North African elephant shrew, *Elephantulus rozeti* in northern and southern Tunisia. However, no disjunction was seen in morphometric measurements analyzed using principal components analysis (PCA).

Differences in pelage color between 5 populations of *Gerbillus campestris* are discussed. Two populations of this gerbil, one on the Island of Djerba and the other around Medenine deserve systematic studies using molecular data or multivariate analyses of morphometric measurements. Differences in pelage color, mandibular foramina number, color of foot pad hair and other characters between 2 populations of *Jaculus jaculus* were also noted and further investigation of the taxonomic status recommended.

Zoogeographical analyses of the mammalian faunal elements in Tunisia and the whole area were made. Two groups of bats were recognized. Bat fauna that invaded Tunisia from the north, and one that invaded from the south. Land mammals were in three groups: strictly Mediterranean zone, widely-distributed Mediterranean, and Saharan mammals. Species richness in quadrates 1° latitude X 1° longitude spanning Tunisia was discussed. The species richness provided evidence to areas of high biodiversity. Areas that deserve conservation are Djebel Zaghouan, Ghardimaou, Tamerza-Kasserine, and Dahar-Djeffara plain. Finally, conclusions and recommendations for future mammalian studies in the area were suggested.

Giglioli, E. H. (1888). Note intorno agli animali vertebrati raccolti dal Conte Augusto Boutourline e dal Dr. Leopoldo Traversi ad Assab e nello Scioa negli anni 1884-87.

Nell'estate del 1884 il Conte Augusto Boutourline ed il Dr. Leopoldo Traversi frequentarono assiduamente il laboratorio tassidermico annesso al mio Gabinetto, per porsi in grado di saper raccogliere e conservare animali; e ciò in occasione di una esplorazione nell'Africa N. E. che avevano divisato di fare insieme.

Nel settembre 1884 il Conte Boutourline lasciò Firenze per Assab, ove fu raggiunto dal Dott. Traversi nel seguente novembre. Dopo breve soggiorno in quel nostro possedimento essi andarono a Massaua, accampando nelle vicinanze di Monkullo. Qui il Conte Boutourline venne colto da febbri ostinate e molto a malincuore si vide costretto a rimpatriare. Con rara generosità egli volle lasciare al Dott. Traversi una porzione non piccola del suo bagaglio speciale e delle sue armi e provviste; ed il Traversi potè così avviarsi subito verso l'interno. Egli tentò di penetrare nell'Abissinia per la via

dell'Asmara, e difatti vi era entrato, quando il *Negus* colto da uno dei suoi capricci e forse insospettito per avere saputo che egli era medico militare, lo mandò indietro. Per nulla scoraggiato il Dott. Traversi ritornò ad Assab e per la via allora poco praticata dell'Aussa penetrò nello Scioa ove ebbe buona accoglienza dal Re Menilek. Ora da quasi tre anni vi soggiorna, amato e stimato da tutti ; fa il medico, raccoglie animali e studia gli indigeni. Da solo o accompagnando il Re Menilek in qualcuna delle sue scorrerie guerresche, il Dott. Traversi ha già potuto compiere importanti esplorazioni, delle quali la nostra Società Geografica ha già pubblicato varii resoconti, ed egli ha tale fibra e tale energia che ben altre cose potrà fare prima di tornare in patria.

Mi sia concesso nel chiudere questa breve introduzione di tributare un voto di ben meritato elogio al modesto quanto bravo ed intrepido nostro esploratore e di augurargli un glorioso successo nell' ardua impresa da lui assunta.

Godawa-Stormark, J. (1998). Phenetic analysis of Old World *Myotis* (Chiroptera: Vespertilionidae) based on dental characters.

Similarities between 42 taxa of genus *Myotis* were studied based on 11 dental characters. The most primitive conditions were found in subgenus *Leuconoe* and in most taxa of subgenus *Selysius*. No clear differences between subgenera *Leuconoe* and *Selysius* were found. Only *Myotis altarium, M. ikonnikovi, M. mystacinus*, and *M. hosonoi* were found to be distinct from the 13 species studied within subgenus *Selysius*. The subgenus *Myotis* was distinct from the other subgenera in having the most derived conditions.

Goff, M. L. (1982). Two new species of chiggers (Acari: Trombiculidae) from East African bats (Chiroptera).

Microtrombicula (Eltonella) tanzaniae is described from specimens collected from Noack's African Leaf-nosed Bat, *Hipposideros ruber ruber*, Persian Leaf-nosed Bat, *Triaenops persicus afer*, and Egyptian Slit-faced Bat, *Nycteris thebaica*, and *Whartonia novemsetosa* from Egyptian Fruit Bat, *Rousettus aegyptiacus*, taken in Tanzania, Africa. New host and locality records are given for *Whartonia oweni*.

Goodman, S. M. (1993). A reconnaissance of Ile Sainte Marie, Madagascar: the status of the forest, avifauna, lemurs and fruit bats.

Between 26 March and 3 April 1991 a reconnaissance of Ile Sainte Marie, Madagascar, was conducted to determine the condition of the remaining forests and the species of birds occurring on the island. Specific information was sought on the snail-eating coua *Coua delalandei*, a species known only from lie Sainte Marie, but which had not been reported for over 150 years. Sight observations and interviews with local people were used in this investigation. The only remaining forest on laterite soil, Foret de Kalalao, has been severely degraded and is now a series of small disjunct blocks. One area of littoral forest, Foret d'Ambohidena, is relatively intact. A single obligate forest bird is known still to occur on the island. There is a high correlation between the species of birds observed during the reconnaissance and those recognized from pictures by local inhabitants of the island. On the basis of the extent of habitat destruction, the condition of the remaining forest, and information from local people, the snail-eating coua is presumed to be extinct. Incidental information was also obtained about lemurs and fruit bats occurring on the island.

Entre 26 mars et 3 avril 1991, un reconnaissance de l'île Sainte Marie, Madagascar, a été conduit, pour déterminer les conditions écologiques de la reste de forêt et les espèces d'oiseaux existantes dans l'île. Une information spécifique a été poursuivi sur le coua de Delalande (*Coua. Delalandei*), une espèce qui est connue seulement dans cet île, mais qui n 'a pas été reconnue depuis environ 150 années. Des observations et des enquêtes locales ont été faites, et qui nous ont permis d'avancer sur

cette recherche. La seule foret restante a sol latéritique - foret de Kalalao - a été en partie dégradée, et qui se présente sous forme de série de petites bloques disjointes; et une partie de la foret littorale - foret d'Ambohidena - qui est relativement intacte. II existe une haute corrélation entre les espèces d'oiseaux observées pendant la reconnaissance faite sur terrain et celles reconnues par les habitants locaux. Cornpte tenu de l'extension de la destruction forestière par les gens du village, la variation des conditions écologiques du milieux, et des informations prises, le coua de Delalande est considère comme disparu. Une information incidente a été aussi obtenue a propos des lémurs et des chauves souris,

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Goodman, S. M. (1996). Results of a bat survey of the eastern slopes of the Réserve Naturelle Intégrale d'Andringitra, Madagascar.

Four bat species were recorded in the Réserve Naturelle Intégrale d'Andringitra: *Rousettus madagascariensis, Hipposideros commersoni. Myotis goudoti*, and *Miniopterus minor*. The greatest species richness was at 720 and 810 m. Evidence was found that *Myotis* and *Miniopterus* occupy the same day-roosts. There was also the indication that *Miniopterus minor* has synchronized breeding and delayed embryonic development.

Quatre espèces de chauve-souris ont été recensées dans la Réserve Naturelle Intégrale d'Andringitra: *Rousettus madagascariensis, Hipposideros commersoni, Myotis goudoti* et *Miniopterus minor*. La plus grande richesse spécifique a été constatée entre 720 m et 810 m d'altitude. La preuve que les especes *Myotis* et *Miniopterus* occupent des mêmes reposoirs diurnes a été établie. On a aussi relevé l'indication que *Miniopterus minor* a une reproduction synchronisée et un développement embryonnaire retardé.

Goodman, S. M. (1998). Notes on the bats of the Réserve Spéciale d'Anjanaharibe-Sud, Madagascar.

Three bat species were collected in the Reserve Speciale d'Anjanaharibe-Sud at 650 m: *Rousettus madagascariensis, Myotis goudoti*, and *Miniopterus fraterculus*. These species are broadly distributed across the island in both forested and disturbed areas.

Trois espèces de chauve-souris ont été collectées dans la Réserve Speciale d'Anjanaharibe-Sud a 650 m d'altitude: *Rousettus madagascariensis, Myotis goudoti*, et *Miniopterus fraterculus*. Ces espèces présentent une large distribution a travers toute l'île au sein de zones boisées et dégradées.

Goodman, S. M., A. Andrianarimisa, L. E. Olson and V. Soarimalala (1996). Patterns of elevational distribution of birds and small mammals in the humid forests of Montagne d'Ambre, Madagascar.

Les résultats obtenus le long d'un transect altitudinal réalisé sur les versants de la Montagne d'Ambre, dont le sommet culmine à 1475 m, localisée dans l'excrême nord de Madagascar sont ici presentés. La forêt est de type humide sempervirent au-dessus de 600 m d'altitude et est de type transitionnel ou de type sec caducifolié au dessous de 600 m. Les insectivores, les rongeurs et les oiseaux ont fait l'objet d'une étude au niveau de trois paliers altitudinaux localisés à 340 m, 1000 m et 1340 m sur le versant nord est du massif. Les mammifères et les oiseaux présentent une diversité spécifique relativement faible comparée à celle constatée 2e au niveau d'autres sites forestiers humides de Madagascar. Plusieurs éventuelles raisons sont évoquées pour expliquer ces différences. La forêt humide sempervirente de la Montagne d'Ambre, qui se développe sur un substrat géologique récent, est actuellement isolée d'autres blocs forestiers du même type localisés au sud de ce dernier. Au cours du Pleistocene Ancien et de l'Holocene, le massif de la Montagne d'Ambre était connecté à d'autres blocs de forêt localisés au sud de ce dernier par l'intermédiaire de corridors forestiers. A la

suite de changements climatiques, les zones forestières de basse altitude de cette région ont considerablement évoluées. Aujourd'hui, les forêts de basse altitude du versant sous le vent sont des forêts de transition entre la forêt pluviale sempervirente et la forêt sèche caducifoliée. De plus des éruptions volcaniques intervenues au Quaternaire ont probablement considérablement affectées l'habitat naturel de la zone sommitale du massif de la Montagne d'Ambre. Enfin, *Rattus rattus* a colonisé en masse la forêt humide sempervirente, et a travers la competition qu'elle a établie, ou de par un processus direct de prédation, cette espèce pourrait eêre responsable de la disparition de certains éléments de la faune locale.

Results are presented of an elevational transect of the slopes of Montagne d'Ambre (summit at 1475 m), extreme northern Madagascar. The forest is classified as humid on the higher slopes above about 600 m and as transitional or dry deciduous below 600 m. Insectivores, rodents, and birds were surveyed at three sites (340, 1000, and 1350 m) along the northeastern slope. Mammals and birds had relatively low species richness when compared to other humid forest sites on Madagascar. Several possible reasons are presented for these differences. The humid forests on Montagne d'Ambre, a geologically recent formation, are currently isolated from similar habitats to the south. During the Late Pleistocene and Holocene Montagne d'Ambre was connected to areas further south by corridors of humid forest. As a result of climatic shifts there has been a drastic change in the lowland habitats of this region. The remaining lowland forests on the moist side of the mountain are transitional between dry deciduous and humid forest. Further Quaternary volcanic eruptions may have greatly altered the habitat on the upper portion of the mountain. Finally, *Rattus rattus* has colonized the humid forest en masse and through competitive exclusion or direct predation may be displacing some of the native fauna.

Goodman, S. M., G. K. Creighton and C. Raxworthy (1991). The food habits of the Madagascar Long-eared Owl *Asio madagascariensis* in southeastern Madagascar.

A collection of regurgitated pellets and food remains was found below an occupied roost of the Madagascar Long-eared Owl *Asio madagascariensis* in southeastern Madagascar. The owls are taking a wide variety of prey including insects, frogs (*Boophis*), geckos (*Uroplatus*), birds (*Eurystomus, Hypsipetes*), bats (large *Hipposideros*), rodents (*Eliurus* spp., *Rattus*), and lemurs (*Microcebus*). This is the first quantitative information on the food habits of this owl species.

Goodwin, G. G. (1953). Catalogue of type specimens of recent mammals in the American Museum of Natural History.

This is the first attempt to bring together and publish a catalogue of the type mammal specimens in the American Museum of Natural History.

The types, with the exception of those in the Archbold Collections, are kept in special locked storage cases in the Department of Mammals and are marked with red labels.

The present list records all the type specimens of recent mammals up to December 31, 1952, a total of 944, in the Museum collections. The skins of many of the earlier types have been made over or are in the process of renovation.

In the list of type specimens the order of arrangement follows the principles of classification of mammals by George G. Simpson (1945).

The species and subspecies are arranged in taxonomic order based on published records and on an examination of the specimens.

The name of each genus, species, and subspecies is recorded as in the original description, followed by a reference to the place and date of publication. A later name is preceded by an equals sign,

followed by a citation of the authority for its use. Where the original name appears to be outdated but not so recorded in the literature, a more recent name is substituted, followed by comments on its use.

Where generic and specific names have been changed but not recorded for the particular species and subspecies listed here, a later name is added in brackets.

An author's name is placed in parentheses when the generic name that was used in the original description has been changed. A dagger, placed before the name, indicates that the type is fossil.

Citations are followed by the American Museum of Natural History catalogue number; the nature of the specimen, whether it is skin, skull, skin and skull, or preserved in alcohol (omission of mention of skin or skull indicates that it did not reach the museum); sex and age (omission of sex indicates that it is not definitely known); locality where taken; date when caught; name of collector; the original or field number; and condition of the specimen. Measurements are given as a means of identification. Where possible the field measurements of the skin are given. The three principal dimensions of the skull given have been checked and obvious errors corrected.

The type specimens are reserved for the use of qualified scientists at the Museum and are not permitted out on loan.

Granvik, H. (1924). On mammals from the eastern slopes of Mount Elgon, Kenya Colony. Mammals collected by the Swedish Mount Elgon Expedition 1920.

During the stay of the Swedish Mount Elgon Expedition 1920 on and around the giant extinct volcano Elgon in Kenya Colony a collection of mammals was made, but as most of the time was devoted to studying and collecting birds, we did not succeed in getting such a good picture of the mammal life as that of the bird life.

The greater part of the large mammals was shot by the leader of the expedition. Director S. A. Loven, Stockholm, who also contributed a lot of the smaller mammals. The natives around Elgon - as in other parts of the country - were very interested in our doings and arrived sometimes with Rodents and other small creatures, taken in their own traps.

I should here have given a short description of the nature and the different geographical zones of Mount Elgon but as I have already written about these matters in my work on the bird life, I refer to that paper.

I take this opportunity of expressing my grateful thanks to Professor P. Matschie, Berlin, who saved me much time and trouble when I worked at the Museum in Berlin by giving me good advice and who always helped me in so many ways. - I am also much indebted to Mr. J. Hinton - keeper of the Mammal room at the British Museum, London - for all his kindness and assistance. - For valuable hints and help during my stay at the British Museum I also wish to thank Mr. J. G. Dollman and Mr Kershaw.

From the Royal Physiographical Society at the University of Lund I have twice received pecuniary assistance for my studies at the Museums in foreign countries, and it is an exceedingly pleasant duty for me to acknowledge here my very deepest gratitude.

To my respected teacher, Professor H. Wallengren, who kindly allowed me to use a room for my work at the Zoological Institute and who always followed my work with interest, I wish to offer my most sincere thanks.

For valuable assistance in translating this work into English I beg to thank my friend Mr. Owen Morton, Malmo.

Gray, J. E. (1825). XIII. A list of the species of Vespertilionidæ found in Great Britain.

Merret in his *Pinax* led the way to the study of the animals of a peculiar country; and Linnæus in his *Fauna Suecica* following up the subject, shewed the manner in which it ought to be treated. But this kind of study, which since the time of the latter great naturalist, has become so fashionable, is now fortunately on the decline, and is giving way to the study of natural groups, or the monography of particular genera; a mode of illustration which is much better adapted to the improvement of science. But yet as it is certainly both interesting and useful to the student, to be acquainted with what are the native inhabitants of his own country, especially when that country is such an insulated place as Great Britain; and as I consider that a list of the Species of a group from a systematic author, with a few of the principal Synonyma is as useful for that purpose as a more enlarged description; I have drawn up such a list of the Species of Bats found in this country, which are preserved in the British Museum, with an account of their habitation when they appeared local.

Gray, J. E. (1839). I. Descriptions of some mammalia discovered in Cuba by W.S. MacLeay, Esq. With some account of their habits, extracted from Mr. MacLeay's notes.

The small collection of Mammalia made by Mr. MacLeay during his stay in Cuba consisted of the following species of Cheiroptera, and a foetal specimen of a Dolphin (*Delphinus*), which I have not been able to determine on account of its youth.

The bats, besides adding to our knowledge, are very interesting forms, and several hitherto unrecorded species are particularly interesting, as enabling me to locate with certainty, according to my present views, the genus *Mormoops* of Dr. Leach, of which only a single dried specimen was before known, and which had always been placed among the anomalous genera of this interesting family. It is curious, as regards the geographical distribution of these animals, which have usually been considered very local, that out of this small collection of eight species five should prove to be new to science and one of them an entirely new form, and that the other three should be common to Cuba and Jamaica.

Gray, J. E. (1866b). A revision of the genera of Rhinolophidae, or Horseshoe Bats.

At the preceding Meeting I gave an account of the genera of *Pteropidæ*. I have lately been revising my former manuscript on the Horseshoe Bats, and adding descriptions of the specimens which have been received at the British Museum since it was composed.

The family *Rhinolophidæ* is characterized as containing Leaf-nosed Bats, which have only rudimentary intermaxillary bones, suspended in the nasal cartilages. They sometimes have upper cutting-teeth; but these are generally early deciduous. The hinder, erect portion of the nose-leaf is often complicated and divided by septa into cells.

Green, A. A. (1983). Rodents and bats of Arli and Pendjari national parks, Upper Volta and Benin.

The small mammals have often been ignored in the early stages of national park development in West African national parks. Nevertheless, they play important, roles in the savanna ecology. The first step to remedy this situation of ignorance is to determine what species are present and what are their distributions. This can be done by collecting.

I came to Upper Volta in November 1971 as an American Peace Corps Volunteer to perform a game census of larger mammals for the forestry service. I lived at Arli Village at the edge of Arli Park throughout the year, remaining there until June 1975. In addition to game censusing, I performed an ecological survey of Arli Park. The data were later used by an FAO (United Nations) project for park development.

In late 1974 an FAO project for park development and wildlife management was begun for Pendjari Park in Benin. I worked in this project from September 1976 through December 1979, living in a camp

on the Pendjari River at Mare (lake) Diwouni, 30 kilometres from Arli village in Upper Volta. I was a Smithsonian Institution-Peace Corps Volunteer serving as ecologist with the FAO project team. Although I did reconnaissance surveys elsewhere in Benin, my principal concern was with Pendjari Park.

Because of limited time and resources, I seldom collected small mammals far from either Arli village or my camp at Mare Diwouni. The lists themselves are quite incomplete, and data on migration (in the cases of bats), distribution and habitat preference are limited. Nevertheless, I hope these short lists may be of help to later researchers in the region and be of general interest to those who may visit these parks.

Griffin, M. and H. J. W. Grobler (1991). Wetland-associated mammals of Namibia - a national review.

Namibia is primarily an arid country (estimated 3 % wetlands) and the majority of its mammal fauna is also arid-adapted. Thirty-eight species (20 %) are dependent on free water and/or associated wetland habitats to the extent that their distributions in Namibia may be effected by this dependence. Half of these species are only dependent on drinking water, thus 19 species or 10 % of Namibian mammals are dependent on wetland habitats. The highest species diversity of wetland-dependent mammals is in the Kavango-Caprivi area, where 92 % of Namibian wetland-associated species occur to some extent, and 40 % occur nowhere else in Namibia.

There is a general paucity of information on the smaller mammals. However, there is presently no evidence that they suffer from any conservation problems, other than general reductions in critical habitat. The hippopotamus has suffered major range reductions; it is extinct in the Orange, and nearly so in the Cunene River. Of Namibian wetlands, the Kavango River and associated riparian growth has been effected most. Only about 35 km of the original 400 km has not been heavily altered by an ever-encroaching human population. Human pressure is the critical factor throughout the Kavango-Caprivi region and this can be expected to increase in the future, with a subsequent increase in conservation problems for the six Iocal wetland habitat-dependent antelope species. Waterbuck and puku numbers are already down to critical levels. A high proportion of Namibian wetland habitat-dependent mammals are of national conservation concern. This is because these species suffer from both direct exploitation and habitat-altering human practices. However, as Namibia is an end user of these major river systems, the major effort in the future will have to be split between preserving the species and critical habitats that still remain in Namibia and, through neighbourly cooperation, assuring the quantity and quality of these waters at their sources.

Griffiths, T. A. (1994). Phylogenetic systematics of Slit-faced bats (Chiroptera, Nycteridae), based on hyoid and other morphology.

The hyoid musculature and hyoid apparatus of bats of the family Nycteridae are described and compared with the hyoid morphology of other bat families described elsewhere. Four hyoid and four nonhyoid apomorphic character states are described within the family. All nycterids share the apomorphic hollowing ofthe rostrum into a basin, covered by a dermal vertical slit ornamented with the distinctive nycterid "noseleaf." All nycterids also possess a distinctive T-shaped terminal caudal vertebra. All nycterids except *N. arge* share a reduced ceratohyoid insertion and a reduced hyoglossus origin. All nycterids except *N. tragata* and *N. arge* share an epihyal that is reduced in length, a smaller lower second premolar, and a loss of the posterior tragus constriction. A cladistic analysis of the data suggests that the African *hispida, macrotis*, and *thebaica* groups form a clade. The Asian bats of the *javanica* group are a sister group to the *hispida-macrotis-thebaica* clade. Bats of the African *arge* group are the most basal lineage within the Nycteridae. This analysis supports separating the more primitive nycterids into an *arge* group and a *javanica* group rather than combining them in a single group.

Griffiths, T. A. (1997). Phylogenetic position of the bat *Nycteris javanica* (Chiroptera: Nycteridae).

Eleven of the thirteen species of bats within the family Nycteridae are African and two are Southeast Asian in distribution. Dissection of the hyoid apparatus and musculature of the Southeast Asian bat *Nycteris javanica* and analysis of other non-hyoid morphology reveal that it shares five derived morphological characters with the previously described species *N. tragata*, also from southeastern Asia. In particular, the two Asian species share a morphologically distinctive post-laryngeal chamber that is different in shape from that of other nycterids. Cladistic analysis suggests that *N. javanica* and *N. tragata* are more closely related to each other than either is to any African species of nycterid.

Griffiths, T. A., K. F. Koopman and A. Starrett (1991). The systematic relationship of *Emballonura nigrescens* to other species of *Emballonura* and to *Coleura* (Chiroptera: Emballonuridae).

Dissection of the hyoid musculature and examination of ear, penial, and skull morphology of eight species of *Emballonura* and one species of *Coleura* reveal that, with the exception of *Emballonura nigrescens*, all species share a derived character of the hyoid region. The stemohyoid muscle in all species except *nigrescens* is deflected dorsally and laterally by a prominent postlaryngeal tracheal expansion. Additionally, *E. nigrescens* is clearly derived in having a distinctive penis, in contrast with other species of *Emballonura* as well as *Coleura*. These observations strongly suggest that non-*nigrescens* species of *Emballonura* are more closely related to species of *Coleura* than either is to *Emballonura nigrescens*. We conclude therefore that the available generic name *Mosia* Gray, 1843, should be used for the species currently called *Emballonura nigrescens*. We continue to recognize *Coleura* as a valid third genus.

Griffiths, T. A. and A. L. Smith (1991). Systematics of Emballonuroid bats (Chiroptera: Emballonuridae and Rhinopomatidae) based on hyoid morphology.

The hyoid musculature and hyoid apparatus of bats of the families Emballonuridae and Rhinopomatidae are described and compared with the hyoid morphology of selected specimens of bats of the families Nycteridae, Megadermatidae, and Rhinolophidae. The hyoid region of rhinopomatids is slightly modified, and the hyoid region of emballonurids is markedly modified from the primitive chiropteran hyoid morphology. In both families (and in nycterids and megadermatids), the omohyoid has shifted its origin medially from the scapula to the mid-clavicle. This permits the omohyoid to act as a primary tongue retractor, relieving the sternohyoid of this function. In rhinopomatids, the sternohyoid has been reduced to a weak, narrow muscle. In emballonurids, the sternohyoid has remained robust, but has developed a unique attachment to the posterior larynx. It appears to function in emballonurids as an extrinsic laryngeal muscle. A cladistic analysis of the hyoid data reveals two major clades within the Emballonuridae: the first contains *Taphozous* and *Saccolaimus* and the second contains *Emballonura, Mosia, Coleura*, and all New World genera. Within the latter clade, the genera *Emballonura, Mosia*, and *Coleura* compose a clade distinct from the New World genera. Within the New World clade there are two major lines: a line leading to *Rhynchonycteris* and *Diclidurus*, and a line leading to *Balantiopteryx, Saccopteryx, Cormura, Peropteryx*, and *Peronymus*. The phylogeny presented here agrees well with a recently published emballonurid phylogeny produced from karyotypic and electrophoretic/immunological data.

Griffiths, T. A., A. Truckenbrod and P. J. Sponholtz (1992). Systematics of Megadermatid bats (Chiroptera, Megadermatidae), based on hyoid morphology.

The hyoid musculature and hyoid apparatus of bats of the family Megadermatidae are described and compared with the hyoid morphology of bat families described elsewhere. Megadermatids share an apomorphic character state with nycterids, rhinopomatids, and emballonurids in that the omohyoid muscle has shifted its origin from the scapula to the mid-clavicle. We suggest that because of the

omohyoid shift, megadermatids have been able to develop a morphological condition described previously only in New World phyllostomid bats. The sternohyoid, hyoglossus, and geniohyoid muscles have partially detached from the basihyal, retaining a connection only through a tendon and a few deep fibers of the geniohyoid. The styloglossus muscle has a posteriorly shifted insertion, as in phyllostomids. Within the Megadermatidae, there is morphological variation in the origin of the sternothyroid, hyoglossus, and sphincter colli profundus muscles, in the morphology of the styloglossus, and in the insertion of the geniohyoid and ceratohyoid muscles. A cladistic analysis ofthe data suggests that *Lavia frons* is closely related to *Megaderma spasma* and *M. lyra*. *Cardioderma cor* is a sister species to the *Lavia-Megaderma* group. *Macroderma gigas* is the most distantly related of the four megadermatid genera.

Grimshaw, J. M., N. J. Cordeiro and C. A. H. Foley (1995). The mammals of Kilimanjaro.

This paper presents an up to date account of 154 mammal species recorded on Mount Kilimanjaro, Tanzania, and the surrounding area, from 1883 to the present, when 128 species are known to occur. Old records are reviewed and several new records added, while four recorded species have been excluded. One species, the black rhinoceros, is reported to have become extinct; another, the klipspringer, does not now occur in the area. Evidence for its alleged former presence and extinction is assessed. Red deer, introduced to Kilimanjaro during the German colonial period, is now extinct on the mountain. Other reported extinctions and colonisations of mammal species on Kilimanjaro are discussed and 19 marginal species or taxa for which further information is needed are mentioned for completeness.

Grubb, P. (1971). Further records of mammals from Ghana, based on the collections of Angus Booth.

There is still a great shortage of information on the Ghanaian mammal fauna. Several collections of specimens from Ghana remain inadequately reported, the last to receive full notice being that resulting from the LOWE-WALDRON expedition (HAYMAN, 1935). The faunal list for the country remains incomplete. Distributional data from Ghana have not been adequately collated though they could contribute to an understanding of fauna! changes across the stratified West African vegetation zones. The present paper provides further locality records and draws attention to the collection made by Angus BOOTH which might otherwise be neglected. BOOTH died before being able to report fully on the results of his efforts. It is especially unfortunate that his field notes are not available. Most of his primate specimens are now in the British Museum (Natural History), London. A few rodents and bats were also sent there for identification and are referred to incidentally by ROSEVEAR (1965, 1969). The rest of the collection is in the Department of Zoology, University of Ghana. Over 530 specimens can now be traced, and they are listed below, but some others have been mislaid.

As far as possible I have employed the scientific names accepted in the Smithsonian Institution's Preliminary Identification Manual for African mammals (MEESTER, 1966-1968). Reference should be made to ALLEN (1939) for nomenclatural history. No attempt has been made to discuss infraspecific categories, except in the case of tree squirrels. Geographical coordinates have been taken from the Official Standard Names Gazeteer for Ghana (U.S. Board on geographic names, 1967).

Grubb, P. (1978). Patterns of speciation in African mammals.

The distribution and speciation of African mammals can be interpreted in terms of both isolation and dispersal associated with Quaternary climatic and vegetational changes. Patterns of faunal diversity and endemism suggest the former existence of refugia in Forest Regions and dispersal between these Regions. Isolation has also been significant in savanna, but dispersal patterns are less easily assessed here. In certain superspecies, the directions involved in dispersals can be ascertained from the distribution of primitive and derivative character states, which in turn imply the cotemporal existence of ancestral and descendant taxa. Long term "ecological translation" in speciation appears to have

occurred down the faunal diversity gradient, especially across the forest-savanna boundary, but also from savanna to arid zones. Different mammalian taxa have speciated in different ways and there are other impediments to the reconstruction of speciation patterns.

Grubb, P. (1983). The biogeographic significance of forest mammals in eastern Africa.

A distinctive mammalian forest fauna occurs in Africa east of the Great Lakes and the Kenya Rift Valley. The distribution of species which are confined to this area defines an Eastern Forest faunal Region. The fauna is characterised by a low species diversity, the absence of many otherwise widespread forest species, and a high proportion of endemic taxa yet it has a close phyletic relationship with the Central Forest fauna. Species confined to montane habitam often have very restricted distributions in the Region, where there are several centres of endemism. Evolution of the fauna has involved shifts in habitat tolerance; successional and centrifugal dispersal along mountain chains and bands of coastal forest; and isolation of populations in forest refuges,

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Grünmeier, R. (1996). Flower-visiting bats and their role as pollinators in the African Rain Forest. Abstract.

The pollination of flowers by bats (chiropterophily) is widely spread in the tropics and subtropics of both hemispheres. In contrast to America and Asia, few field observations have been carried out in Africa.

Own studies of the biology and pollination ecology of rain forest trees and lianas are presented from Cameroon. Their flowers - variable in morphology and blooming strategy - are characterized by a typical feature syndrome attractive to bats. Several fruit bat species (Pteropodidae) are found to pollinate them. The bats differ profoundly in their ability to utilize these flowers (e.g. in terms of their activity and behaviour in the trees, at the flowers, and in their diet), including large and middle-sized species of the genus *Eidolon, Rousettus* and *Micropteropus*, which have more or less frugivorous feeding habits, as well as the tiny long-tongued *Megaloglossus woermanni*, the only highly specialized flower-bat in Africa, but still poorly known.

Gustafson, Y. and H.-U. Schnitzler (1979). Echolocation and obstacle avoidance in the Hipposiderid bat *Asellia tridens*.

The echolocation sounds of the hipposiderid bat *Asellia tridens* consist of a constant frequency (cf) component followed by a frequency modulated (fm) terminal downward sweep of 19-21 kHz. The cf-part constitutes about 7/10 of the entire signal. In individual roosting animals the frequencies of the cf-part of consecutive sounds (resting frequency) is kept very constant but varies from bat to bat. In 18 *Asellia tridens* resting frequencies between
111 - 124 kHz have been measured.

The sound duration in roosting and free flying bats is between 7 - 10 ms. In the approach and terminal phase of bats landing on a perch or flying through obstacles, the sound duration is reduced and the repetition rate increased the nearer the bat approaches the target. At the end of the terminal phase sound durations of a minimum of 3 ms have been measured.

Flying bats lower their emission frequency in order to compensate for Doppler shifts caused by the flight movement. The echofrequency is therefore kept constant about 150 - 200 Hz above the resting frequency.

In flights through obstacles consisting of vertically stretched wires with different diameters, the bats were able to avoid wires down to a diameter of 0.065 mm whereas at 0.05 mm the percentage of flights without collisions is far below the chance level. The results demonstrate that the echolocation behavior of the hipposiderid bat *Asellia tridens* does not differ fundamentally from that of rhinolophid bats. As a result, a new suggestion for categorization of bats producing cf-fm orientation sounds is put forward.

Gyldenstolpe, N. (1928). Zoological results of the Swedish Expedition to Central Africa 1921. Vertebrata. 5. Mammals from the Birunga Volcanoes, north of Lake Kivu.

The following paper contains an account of the Mammals collected by the Swedish Zoological Expedition among the different mountains of the Birunga Range. At least as far as I know, no comprehensive work has ever been published about the Mammalian Fauna of this most interesting region in the heart of Central Africa, and the following notes may therefore give some idea about the Mammals of the Range. In all we spent a little more than two months among these beautiful mountains and during the whole time we collected assiduously.

Although we made our camps at several places and at different altitudes it is, however, most certain that a few more species than those, obtained, or observed by us still remain to be discovered. But on the whole I believe, that our collection of Mammals is fairly complete and representative of the Range. A noteworthy fact was, however, the almost total absence of *Chiroptera*. A single specimen of a small Bat was seen circling in the air near our highest camp on the saddle between Mikeno and Karissimbi, but- unfortunately we -did not succeed in obtaining it. Some small caves were also explored, but no signs of Bats were found in them.

The maiority of the species enumerated below were collected on the different mountain peaks, but a few specimens from the lava plains surrounding the actual Volcanoes are also included in the list. In my previous paper on the Birds obtained by the Expedition (Kungl. Sv. Vet. Akad. Handl., Bd. 1, No. 3, 3rd. series, 1924) I have already given some notes about the physical features and the vegetation of these Volcanoes accompanied by a sketch-map of the region in question.

In the Appendix a nominal list of the Mammals collected by the Expedition in the Western parts of Uganda and in Eastern Belgian Congo is published.

Habersetzer, J. (1981). Adaptive echolocation sounds in the bat *Rhinopoma hardwickei*.

1. *Rhinopoma hardwickei* were studied under natural conditions in the Madurai region of southern India.
2. Frequency modulated (FM) sounds of 3 ms duration were emitted shortly before landing and during times when 10 - 70 individuals were flying in clusters as they left their roosts.
3. Constant frequency (CF) sounds of 48 ms duration were produced in open space by single flying bats and by bats flying in a group. At these times the most intense component was the second harmonic.
4. When bats flew in a group the frequencies of the CF-sounds emitted by different individuals were in three different bands (30.0, 32.5, and 35.0 kHz) whereas single flying bats used only 32.5 kHz. Evidence is presented that shows that *Rhinopoma hardwickei* flying in groups regulate the frequency of their individual CF-components and in this way they avoid jamming one another.
5. After landing a pure tone multi-harmonic sound of long duration (maximally 100ms) is emitted. In this sound the fundamental frequency is dominant. Its significance, either communicative and/or echolocative, is not clear.
6. The possible role of different types of sounds recorded in different orientation situations is discussed.

Haffner, M. and V. Ziswiler (1989). Tasthaare als diagnostisches Merkmal bei mitteleuropäischen Vespertilionidae (Mammalia, Chiroptera).

Vibrissae as a taxonomie character in palaeartic Vespertilionidae (Mammalia, Chiroptera).

The arrangement and number of facial vibrissae were investigated for several species of vespertilionid bats. Although bats have a small number of vibrissae, a determination key could be obtained. While some genera and species can be separated macroscopically by the arrangement and number of long

vibrissae, the identification of others is based on histological investigations to distinguish the short vibrissae from adjacent facial hairs.

In addition to the taxonomic relevance of the vibrissae, phylogenetic conclusions could be drawn. The arrangement and number of vibrissae in *Pipistrellus savii* support the hypothesis of Horacek & Hanak (1986) of combining this species with other species of the genus *Pipistrellus* that have characters in common with *Eptesicus* in a new genus *Hypsugo*. The fact that the examined vespertilionid bats have less vibrissae in comparison with their phylogenetic related Insectivora can be explained as an adaptation to flight ability and echolocation.

Die Frage, ob Tasthaare in der Säugetiertaxonomie als diagnostisches Merkmal verwendet werden können, wurde in der Literatur nur selten aufgegriffen. Vor allem bei der Identifikation von Jungtieren, die noch nicht auf Grund von Zahnmerkmalen und Körpermassen determiniert werden können, wäre es wünschenswert, wenn man auf andere Merkmale zurückgreifen könnte. Tasthaare würden sich dazu eignen, da sie zu den prominenten und in der Ontogenese zu den sich früh entwickelnden Haaren gehören.

Anhand von grobmorphologischen und histologischen Untersuchungen der Kopfhaut von Glattnasenfledermäusen (Vespertilionidae) bestimmten wir die Anordnung und Anzahl der Tasthaare bei 134 Individuen aus 15 Arten und 6 Gattungen. Obwohl diese Fledermausarten eine geringe Anzahl Tasthaare und Tasthaargruppen aufweisen, konnte ein Bestimmungsschlüssel erstellt werden. Während sich einzelne Gattungen anhand von langen Tasthaaren bereits makroskopisch voneinander unterscheiden lassen, sind vor allem auf Artniveau histologische Untersuchungen nötig, um die kurzen Tasthaare von normalen Gesichtshaaren zu unterscheiden.

Zusätzlich zur taxonomischen Relevanz der untersuchten Tasthaare können auf Grund der erfassten Verhältnisse auch phylogenetische Schlüsse gezogen werden. So unterstützen Anordnung und Anzahl der Tasthaare bei *Pipistrellus savii* das Postulat von Horacek & Hanak (1986), die Art zusammen mit anderen Pipistrellusarten, die Affinitäten zur Gattung *Eptesicus* aufweisen, in einer neuen Gattung Hypsugo zu vereinigen.

Die bei den untersuchten Fledermausarten im Vergleich zu den phylogenetisch nahestehenden Insektivoren geringe Anzahl Tasthaare kann als Anpassung an die Flugfähigkeit und die Echoorientierung angesehen werden.

Haiduk, M. W., R. J. Baker, L. W. Robbins and D. A. Schlitter (1981). Chromosomal evolution in African Megachiroptera: G- and C-band assessment of the magnitude of change in similar standard karyotypes.

Differential staining (G- and C-banding) is used to assess magnitude of chromosomal variation in eight species of African megachiropterans. These data are compared with those suggested by standard karyotypic studies, and it is concluded that in this example standard methods underestimate chromosomal variation by a factor greater than 4.5. The implication of these data is that models constructed from patterns of chromosomal evolution in standard karyotypes need to be evaluated in light of in-depth studies based on G- and C-bands.

Haiduk, M. W., L. W. Robbins, R. L. Robbins and D. A. Schlitter (1980). Karyotypic studies of seven species of African Megachiropterans (Mammalia: Pteropodidae).

Karyotypes of seven species of megachiropterans from Africa are described. *Epomops franqueti, Hypsignathus monstrosus, Lissonycteris angolensis*, and *Myonycteris torquata* have a 2n = 36 and karyotypes that are similar to each other in morphology. *Micropteropus pusillus* (2n = 35) is similar to the above four, but possesses what appears to be an X/Y,Y2 sex-determining system. *Scotonycteris ophiodon* (2n = 34, FN = 62) and *Megaloglossus woermanni* (2n = 34, FN = 62) are respectively distinctive from the other taxa studied, but may share several chromosomal characteristics with the other species.

Haiduk, M. W., L. W. Robbins and D. A. Schlitter (1983). Chromosomal banding studies and their systematic implications in African fruit bats (Chiroptera: Pteropodidae).

The bat family Pteropodidae is a diverse assemblage of approximately 150 species (Koopman & Jones, 1970). While much is known about morphological characteristics of taxa within this family, other characters of these organisms with potential systematic and evolutionary use have not been extensively explored. One such aspect is the study of the chromosomes, particularly the use of differential staining techniques, and the application of these data to resolve systematic and evolutionary questions. Studies utilizing non-differentially stained chromosomes have yielded data for 26 species of Pteropodids (see Haiduk et al., 1980), but only one study (Haiduk et al., 1981) has incorporated differentially stained material. On the basis of data from nondifferentially stained chromosomes, the megachiropterans are relatively conservative with most species possessing the same or similar diploid and fundamental numbers (Haiduk et al., 1980). G- and C-band data, however, have demonstrated that complex chromosomal differences do exist between several species with very similar standard karyotypes (Haiduk et al., 1981).

In this study, the examination of differentially stained chromosomal material is further pursued. Two species of *Epomophorus* (*wahlbergi* and *minor*) are examined and compared with those species reported previously (Haiduk et al., 1981). These data are then used to construct a cladogram depicting the evolutionary relationships of the taxa examined thus far.

Hammer, M. and R. Arlettaz (1998). A case of snake predation upon bats in northern Morocco: some implications for designing bat grilles.

During a study of North African mouse-eared bats in Morocco in August 1993 (Arlettaz et al., 1997) some accidental observations on chiropterophagy by the snake *Coluber hippocrepis* were made. This adds a new species to the list of bat-eating serpents documented so far (for a general review see Schätti, 1984). In addition, our observations lead to some recommendations for the construction of bat grilles at underground sites to minimize predation risk by snakes or other predators upon bats.

Hanák, V. (1964). Zur Kenntnis der Fledermausfauna Albaniens.

In der Arbeid sind die bisherigen faunistischen Untersuchungen der Fledermäuse Albaniens zusammengefasst. Es wurden 14 Fledermausarten gemeldet, von denen 8 Höhlenbewohner sind. Die Fundstellen der einzelnen Arten sind in einer Verbreitungskarte dargestellt.

Von den höhlenbewohnenden Arten ist in Albanien *Rhinolophus ferrumequinum* die häufigste. Ihre Wochenstuben (100 - 300 Ex.) wurden in 7 Höhlen festgestellt. In grösseren Höhlen würden auch *Miniopterus schreibersi, Rhinolophus euryale* und *Rhinolophus blasii* gefunden, die öfter Mischkolonien bildeten. Regelmässig wurden in den Höhlen auch *Myotis myotis* und *Myotis blythi oxygnathus* wie auch *Myotis capaccinii* und *Myotis emarginatus* gesammelt.

Zu den reichsten Fundorten gehören die Höhle Mezhgoranit bei Tepelene und die Höhle bei Koritë (Cerovoda), wo je 7 Arten gesammelt wurden.

Die übrigen aufgeführten Arten, *Nyctalus noctula, Pipistrellus nathusii, Pipistrellus kuhli, Pipistrellus savii, Plecotus austriacus* und *Eptesicus serotinus* wurden nur gelegentlich in anderen Biotopen erbeutet.

Bei den meisten angeführten Arten wurde auch die Analyse der Körper- und Schädelmasse des albanischen Materials und ein Vergleich mit den Werten einiger Populationen aus anderen Gebieten Süd- und Mitteleuropas durchgeführt mit dem Ziel, ihre subspezifische Stellung zu bestimmen. Die

Werte der Körper- und Schädelabmessungen und die Vergleichswerte sind in Tabellen zusammengefasst worden.

Herr Dr. G. H. W. Stein hat diese Arbeit gefällig durchgesehen und namentlich in sprachlichen Hinsicht verbessert, wofür ich Ihm meinen herzlichen Dank ausdrücke.

Hanák, V. (1966). Zur Systematik und Verbreitung der Gattung *Plecotus* Geoffroy, 1818 (Mammalia, Chiroptera).

Die systematisch-zoogeographiche Analyse von 318 Exemplaren von *Plecotus* aus verschiedenen Gebieten von Europa, Asien und Nordafrika ergibt folgende vorläufige Schlüsse:

(1) Das Areal von *Plecotus auritus* und *Plecotus austriacus* in Europa wird genauer umschrieben. Im augedehnten Gebiet von Mittel- West- und Südeuropa leben beide Arten gemeinsam, aber dennoch bleiben sie hypsometrisch und ökologisch gewissermassen getrennt.

(2) Im paläarktischen Raum leben offenbar nur zwei Arten der Gattung *Plecotus*: *Plecotus auritus* LINNÆUS, 1758, mit wahrscheinlich nur 2 Subspezien:

Plecotus auritus auritus LINNÆUS, 1758 im augedehnten Gebiet von Europa, Sibirien und Ost- sowie vielleicht auch nördlichen Teil von Zentralasien.

Plecotus auritus sacrimontis ALLEN, 1908 durch grössere Masse und dunklere Färbung gekennzeichnet, in Japan und vielleicht auch im östlichsten Teil des Festlandes von Asien. Die Populationen aus dem östlichen Teil der UdSSR (nach Westen bis zum Altai) weisen ebenfalls Merkmale dieser Rasse auf.

Plecotus austriacus FISCHER, 1829, umfasst folgende Subspezien:

Plecotus austriacus austriacus FISCHER, 1829, im europäischen Areal und im Kaukasus (*Plecotus austriacus hispanicus* BAUER, 1956 und *Plecotus auatriacus? tenerifæ* BARRETT HAMILTON, 1907 sind offenbar Synonymen).

Plecotus austriacus wardi THOMAS, 1911, naheverwandt mit der Nominatrasse, unterscheidet steh vor allem durch eine lichte Färbung, in den Gebirgs- und Tieflandsgebieten von Mittelasien.

Plecotus austriacus kozlovi BOBRINSKOJ, 1926, als grösste Rasse dieser Art, mit lichter Färbung; in den Wüstengebieten von Zentralasien (Südmongolei, West- und Mittelchina?) Zur Verwandschaft dieser Rasse gehört auch *Plecotus austriacus ariel* THOMAS, 1911, welche bloss durch dunkle Färbung unterschieden ist.

Plecotus austriacus christiei GRAY, 1838 (=*Plecotus austriacus ægyptius* FISCHER, 1829), eine kleine, licht gefärbte Form aus Nordafrika.

Die systematische Stellung der Form *homochrous* HODGSON, 1847 (= *puck* BARRETT-HAMILTON, 1907) bleibt bisher unklar.

Hanák, V. and A. Elgadi (1984). On the bat fauna (Chiroptera) of Libya.

The present paper is based on total of 73 specimens of 9 bat species, collected in Libya during two short-term visits in 1979 and 1980. The sample is completed by a small collection of bats from various museums and by all literary data available from this area. The result of this study confirms the occurrence of 13 species of three families in the studied area. Five species (*R. mehelyi, M. blythi, P. pipistrellus, N. leisleri* and *M. schreibersi*) and one subspecies (*P. a. austriacus*) are reported for the first time from Libya, other findings are additional distributional records. The main external and cranial measurements, ecological comments and a preliminary taxonomical evaluation of the studied material

are given. Provisionally zoogeographical analysis shows that the most of hitherto known Libyan bat fauna consist of species of Mediterranean and Palaearctic-arboreal origin.

Happold, D. C. D. (1967). The natural history of Khartoum Province: Mammals.

The mammals of Khartoum Province are less well known than the birds because most of them are nocturnal and rarely seen. But since there are only 30 species (Table 1), it is not difficult to know and recognise them all.

All mammals have hair or fur, are warm blooded, and produce milk to feed their young. The Class Mammalia, which includes all mammals, is divided into 18 Orders, 7 of which are represented in Khartoum Province. These are (1) Insectivora, insect eating mammals, e.g. hedgehogs and shrews; (2) Lagomorpha, the rabbits and hares; (3) Rodentia, one of the largest Orders, including mice, rats, squirrels, jerboas, and porcupines: (4) Chiroptera, the bats which are the only flying mammals; (5) Carnivora, the flesh eating mammals including cats, dogs and foxes, and mongooses; (6) Hyracoidea, the hyraxes or dassies; and (7) Artiodactyla, the even-toed ungulates which includes cows and antelopes.

In Khartoum Province there are two principal habitats: the vegetation and cultivated banks along the Nile where food and water are abundant; and the desert and jebels where trees and grass are rare, and where water is not readily available except after the rains. Mammals can be divided into 'riverain' or 'desert' species; some terrestrial mammals, and the bats, are found in both habitats (Table 2).

The desert is a difficult place to live in, and mammals living there show many interesting adaptations. The rodents spend the daytime in burrows several feet under the surface protected from the high temperatures arid low humidity. In these burrows the climate remains.- almost constant during the day and night. After sunset when the temperature drops, these small mammals emerge and stay above ground until just before sunrise. The desert rodents can exist and flourish without drinking water since they obtain sufficient from their food of seeds and grass, and because they produce only very small quantities of concentrated urine. Since they remain in their burrows during the heat of the day, they do not lose water trying to keep their body temperature constant; in fact these rodents do not possess sweat glands and so they would be unable to lose heat by sweating. Hedgehogs, hares, and the carnivores also have burrows, or remain hidden during the day in the shade of rocks and trees.

The desert appears to be lifeless during the day because it is essential that the mammals, and other animals, do not become overheated. All the special desert adaptations ensure that the heat and water balance of the mammals remains more or less constant. The largest mammal of Khartoum Province, the gazelle, rests in the shade but because of its larger size, special behaviour and physiology, it is able to live in the desert away from water for many days at a time. Species not adapted to desert conditions, e.g. the house mouse, the Nile rat, and the creambellied roof rat, can only live along the Nile banks and in houses.

The number of species, and individuals, of mammals in the desert is small compared with the rainforests and savannah to the south, and the temperate regions to the north. Only certain species are able to live under desert conditions and on the limited amount of food that is available. There is probably never a lack of food for the small rodents since some species store food after the rains, and grass and seeds are blown into holes and crevices where they remain as 'food stores' for many months. But the number of rodents is never large, and the number of predators (foxes, genets, etc.) which feed on them is even smaller.

There are other interesting features, other than physiological ones, shown by mammals in the Province. For example, many of the nocturnal mammals, especially the jerboas, have large eyes. Two groups of mammals, the hedgehogs and the spiny mice, have hairs which are stiffened and modified into spines. The jerboa is an extreme example of a jumping mammal with very long hindlegs and tail, and short forefeet used only for feeding and washing. The hyrax is adapted for life on rocks, and is capable of running up and down almost vertical rock cliffs.

The breeding season of desert mammals is short and well defined. Most species breed during, and just after, the rains from July to November. It is not known whether there are two seasons, one in July and another in October-November. It appears that, that there is a lot of variation from species to species. Rodents found in houses and along the Nile probably breed throughout most of the year.

Khartoum is in a transition zone between the extreme desert to the north and the woodland savannah to the south. There are many species in the northern Sudan, Egypt, and Libya which are not found near Khartoum, and similarly other species abundant in the savannah which are not found as far north as Khartoum. Probably there were more of these 'southern' species until the end of the last century when increased human population and disturbance altered the environment near Khartoum. More recently, the Gezira irrigation scheme acts as a barrier preventing southern species from moving northwards. The Nile acts as a link from Egypt through the northern Sudan, and some species, e.g. the Nile fox, are found along most of its length.

There are few publications on the mammals of the Khartoum region. The most comprehensive work on Sudanese mammals is that of Setzer (1956), but several species are omitted and it is of little use as a field guide. There are several old papers (e.g. Thomas 1901, 1903) recording species collected in various localities. Descriptions of game animals are given by Brocklehurst (1931), and the distribution of ungulates is reviewed by Mackenzie (1954). Other references which are useful are Anderson (1902), Flower (1932), and Owen (1953).

All the species described (Table 1) have been caught or seen during the period 1963-1966, so their presence is definitely confirmed. Other species not seen during 1963-1966 (Table 3) may have disappeared from the Province since the records were made. This is quite possible because of the vegetation changes described above; if these species are still present, they are probably rare. Some records may be incorrect.

The Arabic names for mammals are not. specific and it is impossible to use them to describe a species; e.g. 'abu gunfud' refers to 2 species, 'urn sisi' refers to 5 species, and 'watwat' or 'abul riggi'' refers to all the bats. The English names, too, are not always specific, but there is no confusion if the Latin names are used. Latin, English, and Arabic names for all species are included in Table 1.

The knowledge about mammals of Khartoum Province (and the rest of the Sudan) is very limited. The natural history of most species is unknown, and consequently there are many problems to be studied. But first it is essential to know exactly what species are likely to be found. Although this guide does not claim to be comprehensive, the following pages describe the mammals which are likely to be encountered in the Province.

Happold, D. C. D. (1981). Geographical ecology of Nigerian mammals. Abstract.

The mammalian fauna of Nigeria consists of 42 families, 133 genera and 241 species. This diversity is due, in part, to the prominent cline of vegetation, rainfall, temperature and seasonality from south to north. The fauna is composed mostly of widespread West African species, although others reach their eastern, western and southern limits in Nigeria.

The rainforest fauna is the most diverse of all the major biomes despite the relatively small area of rainforest. Species numbers in the different biomes show two distinct patterns: in general, rodents, bats and primates decrease in number from south to north, whereas carnivores and artiodactyls increase in number. When biomes are compared, there is little similarity between the rainforest and the savannas, and greater degrees of similarity within the four savanna zones.

In addition to the north-south cline, distribution patterns are also determined by the influence of the Niger river, the presence of relic forests in the savannas, the de-afforestation of the rainforest, and the montane environment of the Jos plateau. Species diversity indices indicate a higher diversity in the rainforest than in the savannas, and analysis of trophic relationships in selected communities suggest that rainforest communities differ from and are more saturated than savanna communities.

This study shows that a more representative system of reserved areas is necessary for adequate conservation of Nigerian mammal communities.

Happold, D. C. D. (1984). Chapter 17. Small Mammals.

It comes as rather a surprise to learn that most hot deserts of the world have a rich and diverse fauna of small mammals. These small mammals (adult weight up to 3 kg) are rarely seen by the casual observer as they are mainly nocturnal and widely dispersed. Some unfavourable parts of the Sahara are completely devoid of mammals while other favourable habitats support flourishing populations of several species. The most successful orders of small mammals are the rodents, carnivores and bats and, to a lesser extent, the hares and hyraxes. All of them are adapted to the harshness and unpredictability of the desert environment. Many of these adaptations, such as nocturnal activity, efficient water conservation, behavioural control of body temperature, and rapid initiation of reproduction after drought, are shared by similar species of small mammals in other hot deserts of the world. Hence, there appear to be only a limited number of evolutionary options for small mammals in deserts.

Happold, D. C. D. (1985). Geographical ecology of Nigerian mammals.

1. The vegetation zones of Nigeria replace each other with increasing latitude. Rainforest and swamp forest in the south are succeeded by derived savanna, Guinea savanna, Sudan savanna and finally Sahel savanna in the extreme north. Climatic characteristics such as mean annual rainfall, mean number of rainy days each year and mean monthly minimum temperatures decrease from south to north, whereas number of months with less than 25 mm of rain, mean monthly maximum temperatures and range of mean annual temperature increase from south to north . Associated with this clinal pattern is increased seasonality, decreased productivity and lower mean vegetation height from south to north.

2. Nigeria has a diverse mammalian fauna of 42 families, 133 genera and 241 species. The general distribution of each species according to vegetation zones is tabulated. The proportional representation of each order is about the same as found in other African countries, although Chiroptera and Primates are especially well represented. The number of mammalian species is close to the predicted number in relation to the surface area of the country. The greatest numbers are found in the rainforest (116 spp) despite the small area of this vegetation zone; numbers decline in each successive zone to the north. The numbers of species of Chiroptera, Primates and Rodentia decline in each successive vegetatlon zone from south to north, but the Carnivora and Artiodactyla attain their highest species numbers in Guinea and Sudan savannas. The species composition of the rainforest zone is essentially different to that of any other zone; in contrast, there is considerable similarity between the faunas of the savanna zones. The rainforest fauna has the highest number of endemic species whereas Sudan and Sahel savannas contain very few endemic species. Correlation between climatic factors and species numbers is rodents show that annual range of temperature and annual rainfall are the best predictors of species numbers; in contrast no significant correlations are apparent for all species of mammals probably because of the different responses of the major orders to changes within the vegetation zones.

3. The mammals of Nigeria are typical of West Africa. The affinities of the fauna show that the majority of mammals are those of 'savanna', 'rainforest' and 'widespread' origin. Other species are of 'Saharan', 'montane', 'western rainforest', and 'eastern rainforest' origins; and one species is endemic. Thus all except one species occur in other West African countries.

4. The mammals of the rainforest zone may be considered as two groups, divided by the Niger river; of the endemic rainforest species 60 occur west of the river and 69 occur east of the river. The Niger river appears to act as a dispersal barrier to 27 species (ie. 35 % of endemic rainforest species). The Jos plateau, forest relics in the savanna, and savanna-like habitats in the rainforest zone have influenced the distribution of some species.

5. Analysis of the distribution and proportional abundance of small terrestrial rodents shows that species diversity indices are highest in the derived savanna and lowest in the rainforest. Many of these species occur in only one vegetation zone and have small habitat breadths; only three species have wide habitat breadths.

6. Trophic levels and diversity are examined in relation to bats. Nigerian bats show the same pattern of diversity as those of Botswana and Zimbabwe. The majority are insectivorous and a small but significant proportion are fruit/nectar feeders.

7. Eight 'faunal regions' are recongnised for the purposes of conservation of Nigerian mammal communities. Most faunal regions are, or will be, adequately conserved in proposed or gazetted reserved areas except for 'rainforest' and the 'Jos plateau and relic forest' communities; additional conservation areas are required in these two faunal regions.

8. Geographical ecology of the mammals of Nigeria (as well as for many other African countries) is hampered by inadequate information on distribution patterns and an absence of quantitative and synecological studies. A community approach is necessary in order to understand many of the fascinating aspects of the geographical ecology of African mammals.

Happold, D. C. D. and M. Happold (1988). Renal form and function in relation to the ecology of bats (Chiroptera) from Malawi, Central Africa.

The ratio of the medulla to the cortex (M/C ratio) was determined for three species of Megachiroptera, and the ratio of the inner medulla to the cortex (IM/C ratio) was determined for 28 species of insect-eating Microchiroptera from diverse savanna and montane habitats within Malawi. Although all these species occur in the southern savanna biotic zone of Africa, each varies in its ability to exploit the African rainforest, arid and desert biotic zones. The kidneys of the Megachiroptera were very different to those of the insect-eating Microchiroptera, and these differences were related to the need of fruit-bats to excrete the surplus water associated with their diet. The urine concentrating capacity of each species of Microchiroptera was predicted from the IM/C ratio. Family characteristics were examined, and the urine concentrating capacities of the Malawian bats were compared with bats from elsewhere, and with some rodents. The insect- eating Microchiroptera exemplified a very diverse range of IM/C ratios. The IM/C ratio of each species was compared with its drinking behaviour in captivity, diet, foraging strategy, flight, aspect ratio, domicile, roosting behaviour and habitat. It was hypothesized that the ability of insect-eating Microchiroptera to conserve urinary water would be an advantage to species: (a) living in xeric habitats; (b) adapted for sustained high-speed flight; (c) roosting in hot dry domiciles; (d) roosting in solitude; and € living at high altitudes where seasonal low temperatures induce torpidity. These hypotheses were tested, and it was concluded that, while the ability to conserve urinary water may have been an advantage in most of these situations, it was not essential.

Happold, D. C. D. and M. Happold (1989a). The bats (Chiroptera) of Malawi, Central Africa: Checklist and keys for identification.

At the present time, 55 species of bats have been recorded in Malawi. and these comprise 30 % of the mammalian fauna of the country. The species of bats vary greatly in their distribution and abundance: some are widespread end very common while others are rare and recorded from very few localities. In spite of the large number of species and the abundance of some of them, the bats are one of the least known orders of mammals in Malawi, and in Africa as a whole.

Until recently, most of the knowledge of the bats of Malawi was derived from a few small collections, and from publIcatIons by Ansell (1974, 1978), Ansell & Ansell (1973), Ansell, Benson &; Mitchell (1962), Bergmans & Jachman (1983), Dowsett & Hunter (1980), Hanney (1961), Harrison (1959,1982), Kershaw (1922), Koopman (1966), Lawrence & Loveridge (1953), Morris (1964), Sweeney (1959) and Thomas (1894, 1896, 1897). Recently, a checklist of 55 species of bats of Malawi, with measurements, locality records and notes, was compiled by Happold, Happold & Hill (1987), and distribution maps and taxonomic notes for these species have been complied by Ansell & Dowsett (1988).

This paper presents keys for the identification of the 55 species of bats currently recorded for Malawi, and for 10 addittonal species (marked with an asterisk) which occur in adjacent countries and which may occur in Malawi. All measurements are in millimetres, and the ranges given are those for the spectes irrespectIve of locality. If possible, the mean derived from measurements of specimens from Malawi is added in parentheses (data from Happold et al. 1987).

The taxonomy of some species is controversial. In this paper, we have principally followed Hayman & Hill (1971), but have made some changes in response to the subsequent revisions of *Laephotis* (Hill, 1974a), *Scotoecus* (Hill, 1974b), *Scotophilus* (Robbins *et al.*, 1985), and *Nycteris* (van Cakenberghe & de Vree, 1985). Some controversial taxonomic Iisues, with the relevant references are mentioned in the notes on some genera.

Other keys are also useful for identifying bets in Malawi; however, their usefulness is limited because they either include many species which do not occur in Malawi (e.g. Hayman & Hill, 1971), or do not include all the species now known to occur in Malawi (e.g. Fenton, 1975; Smithers, 1983; Smithers & Labao
Tello, 1976; Smithers & Wilson, 1979). The present key is designed specifically for Malawi, and the information in the keys is correct for the subspecies, colour varieties, and forms found in Malawi. The key is based, as far as possible, on external characteristics and/or dentition which may be examined without harming the bat, and without special expertise. We have frequently used, or modified, definitive characteristics which have been used in previous keys by Fenton (1975), Happold (1987), Hayman & Hill (1971), Koopman (1966), Rosevear (1965) and Smithers (1983).

A glossary of terms used in the keys is given at the end of the paper, and the majority of characteristics are illustrated in Figs. 1 to 10.

Happold, D. C. D. and M. Happold (1989b). Reproduction of Angola free-tailed bats (*Tadarida condylura*) and little free-tailed bats (*Tadarida pumila*) in Malawi (Central Africa) and elsewhere in Africa.

Angola free-tailed bats and little free-tailed bats occur in diverse habitats throughout most of Africa south of the Sahara. This study investigated the reproductive strategies and related biology of these species in Malawi where they were sympatric, and analysed data from elsewhere in Africa to show how the strategies varied along a gradient of habitats from approximately 12° N to 25° S.

Both the Angola free-tailed bat and the little free-tailed bat were normally monotocous. Angola free-tailed bats invariably had 2 births/year, and the interval between consecutive births decreased with increasing latitude. When the interval was shortest
(~90 days) a post-partum oestrus occurred. Little free-tailed bats differed by having a shorter gestation (~60 days), and the ability to have up to 5 births/year with a postpartum oestrus after each birth. The extent to which this potential is achieved varies with latitude and rainfall, mainly so that lactation can coincide with peaks in the abundance of food. The interaction between rainfall and reproductive characteristics results in the two species having patterns of reproduction which are sometimes similar, but more often different. Competition between the species is unlikely to be affected by differences in their reproduction.

Happold, D. C. D. and M. Happold (1989c). The bats of Malawi. Abstract. Eigth International Bat Research Conference, Sydney, Australia, 9 - 15 July 1989.

The location of Malawi, midway between warm temperate South Africa and the equator, makes Malawian bats (55 species, 8 families) particularly interesting. Comparison of the bats of Malawi and other African countries revealed patterns and trends in community composition, species-latitude relationships, trophic diversity and domiciles. Comparison also showed how reproductive strategies vary interspecifically, intraspecifically, and in different African environments, and indicated that reproductive flexibility is sometimes likely to influence distribution. Two sympatric species of *Tadarida*

exemplify different reproductive chronologies in Malawi, and each modifies its chronology indifferent ways in other parts of Africa. Comparison of renal form in Malawian bats enabled relationships between renal function and ecology to be investigated. Comparison of the biology of the bananabat, *Pipistrellus nan us,* in Malawi,South Africa, Kenya and Zaire, revealed differences related to climate and the use of permanent or ephemeral domiciles.

Happold, D. C. D. and M. Happold (1990a). The domiciles, reproduction, social organisation and sex ratios of the Banana Bat *Pipistrellus nanus* (Chiroptera, Vespertilionidae) in Malawi, Central Africa.

Investigated were the domiciles, reproduction, social organisation and sex ratios of the Banana Bat, *Pipistrellus nanus* in Malawi. The bats were taken from furled banana leaves at fortnightly or monthly intervals from September 1984 to June 1985. The furled leaves were ephemeral domiciles lasting one to three days. A surplus of domiciles was always available. Females were monoestrus with the birth of twins in November and lactation lasted about eight weeks. The testes in males were scrotal from April to October, and attained maximal size in May. During lactation adult males roosted singly, while females with their young roosted singly or in maternity groups. Post-lactating females roosted singly or with groups of subadults and/or other post-lactating females, and the adult males continued to roost singly. In April, by which time the testes of all males have become scrotal, all bats were assumed to have reached sexual maturity and they began to live in harems (one adult male with one or more females). An equal number of males and females were born, but females outnumbered males for at least seven months of the year. The data from Malawi are compared with data from Kenya (O'SHEA 1980). South Africa (LAVAL and LAVAL 1977), and elsewhere. Geographical variation in domiciles and reproducrion, and the relationships between different aspects ot the biology of *P.nanus*, are discussed.

Happold, D. C. D. and M. Happold (1996). The social organization and population dynamics of leaf-roosting banana bats, *Pipistrellus nanus* (Chiroptera, Vespertilionidae), in Malawi, east-central Africa.

Banana bats were censused at their daytime roosts in furled leaves of bananas at fortnightly intervals from August 1993 to June 1994. The study area was a plantation of 138 numbered banana clumps arranged in a grid of 2 000 m^2 near Namadzi in the Shire Highlands of Malawi. Each bat (n = 125) was banded. At each census, every furled leaf in the plantation was examined and all of the bats within each occupied leaf were captured. The band number of each bat, its reproductive condition, the composition and membership of each group of bats, and the site of capture were recorded.

Bats were assigned to cohorts whose fates were followed; the population size ranged from 84 to about 45 during the study. Banana bats roosted in groups of 1 - 12 individuals. Mean group size ranged from 1.3 to 2.4, according to season. During parturition and lactation, females with young roosted separately from males, and the males roosted singly. At other times, adult males roosted singly or in larger groups composed of one (rarely two) male(s) and 1 - 10 females. Formation of groups of two or more bats was not attributable to a shortage of furled leaves. On most occasions, each male was found with a different group of females, and each female with a different male, showing that group membership is highly labile and suggesting that the mating system is promiscuous. Most males showed fidelity to a small number (< 5) of "reliable" banana clumps which were close together and which had one or more suitable furled leaves at all times. Females did not show such fidelity. The roosts, social behaviour, reproductive biology and sex ratios of leaf-roosting banana bats and thatch-roosting banana bats (considered to be conspecific), and two other species of bats, are compared so as to elucidate some of the environmental and phylogenetic factors which might have shaped the mating system of the leaf-roosting banana bats in Malawi.

Des chauves-souris des bananiers ont été recensées tous les quinze jours depuis août 1993 jusqu'a juin 1994 dans leurs refuges diurnes constitués par des feuilles de bananiers enroulées. La zone étudiée était une plantation de 138 bananiers numerates, sur une grille de 2 000 m^2, près de Namadzi dans les Highlands du Malawi. Chaque chauve-souris (n = 125) a été baguée. A chaque recensement,

chaque feuille enroulée de la plantation a été examinée et toutes les chauves-souris qui occupaient une feuille ont été capturées. Le numéro de chaque chauve-souris, son état génital, la composition de chaque groupe de chauves-souris et le site de la capture ont été enregistrés.

Ces chauves-souris ont été attributés à des cohortes dont le devenir a été suivi; la taille de la population a varié de 84 à environ 45 pendant l'étude. Elles se réfugiaient en groupes de 1 à 12 individus, en moyenne 1,3 à 2,4 selon la saison. Au cours de la parturition et de la lactation, les femelles restaient avec leurs jeunes, a l'ecart des mâles et les mâles restaient isolés. A d'autres moments, les mâles adultes étaient seuls ou en petits groupes composés d'un ou rarement deux mâles et d'une à dix femelles. La formation de groupes de deux, ou plus de deux chauves-souris, n'était pas attribuable au manque de feuilles enroulées. Dans la plupart des cas chacun des mâles a été trouvé avec un groupe différent de femelles, et chaque femelle avec un mâle different, ce qui montre que l'adhesion a un groupe est très fragile, et ce qui permet de penser que le système de formation du couple est la promiscuite. La plupart des mâles montrent de la fidelite à un petit nombre (< 5) de bananiers "fiables", proches les uns des autres, et ayant une ou plusieurs feuilles enroulées disponibles tout le temps. Les femelles ne montrent pas une telle fidélité. Les refuges, le comportement social, la biologie de la reproduction et les sex-ratios de ces chauves-souris qui se reposent dans les feuilles de bananiers et de celles qui trouvent refuge dans les chaumes (qu'on considère comme conspécifiques), et de deux autres espèces de chauves-souris, sont comparés de façon a élucider quelques-uns des facteurs environnementaux et phylogénétiques qui doivent avoir façonné le système de reproduction des chauves-souris qui se réfugient dans les feuilles de bananiers au Malawi.

Happold, D. C. D. and M. Happold (1997a). Conservation of mammals on a tobacco farm on the Highlands of Malawi.

The natural vegetation of the Shire Highlands of Malawi has become fragmented because of human activities. As a consequence, some species of mammals have become locally extinct and the population numbers and geographical ranges of other species have declined. This study investigated the species richness of mammals on a commercial tobacco farm, and the importance of remnants of natural vegetation on farms for the conservation of mammals. The farm covered 180 ha and supported 44 species of mammals (equivalent to 66 % of the species known to occur in the Shire Highlands at a similar altitude, and 24 % of the total mammalian fauna of Malawi). Most of the species were bats (22 species) and rodents (13 species). The largest remnants of natural miombo" woodland supported more species and more individuals than smaller remnants. The high species richness was due, in part, to the variety of different habitats on the farm ('miombo' woodland, riverine forest, grassland, swamp, streams and dams), as well as to good conservation practices. The farm is especially important for the conservation of 13 species which are rare and/or have limited geographical ranges in Malawi. It is suggested that well-managed farms which contain remnants of natural vegetation can play a significant role in the conservation of mammals, and other vertebrates, in Central Africa.

Happold, D. C. D., M. Happold and J. E. Hill (1988). The bats of Malawi.

This paper gives an account of the 55 species of bats currently known to occur in Malawi. Six species are recorded for the first time, together with 86 new species-locality records which increase the records for Malawi by approximately 44 percent. Data were obtained from 1489 specimens (36 species) collected from 13 localities by DCDH and MH (August 1984 to June 1985), and museum specimens in Malawi. The account of each species includes measurements, localities, and brief notes on distribution, status, habitat, domiciles and behaviour. The bat faunas of Malawi and 13 other African countries are compared to reveal patterns and trends in the zoogeography and geographical ecology of the bats of Malawi.

Liste commentée de 55 espèces de chauves-souris du Malawi. Six espèces sont citées pour la première fois au Malawi; 86 points de captures nouveaux pour les chauves-souris du Malawi permettent d'augmenter de 44 % les connaissances sur leur repartition dans ce pays. Toutes ces données proviennent de 1 489 specimens (36 especes) capturés dans 13 localites par DCDH et MH

d'août 1984 à juin 1985 et de specimens de musée au Malawi. Les renseignements donnés sur chaque espèce comprennent les mensurations, les localites de capture, et de breves notes sur la repartition, le statut, l'habitat, les domiciles et le comportement. La faune des chauves-souris du Malawi est comparée a celle de 13 autres pays africains pour mettre en evidence les caracteristiques zoogeographiques et ecologiques des chauves-souris du Malawi.

Happold, M. and D. C. D. Happold (1997b). New records of bats (Chiroptera: Mammalia) from Malawi, east-central Africa, with an assessment of their status and conservation.

This paper reports 97 new species-locality records of bats from Malawi. Of particular interest are four species of bats (*Rhinolophus swinnyi, Triaenops persicus, Eptesicus flavescens, Tadarida nigeriae*) which have not been recorded previously from Malawi. The relative status of bats in Malawi was estimated and the species were placed in five categories ranging from 'rarely-recorded' to 'very commonly-recorded'. Of the 59 species of bats known to occur in Malawi, 28 are rarely-recorded in Malawi. The relative status and species-locality records of bats were analysed to assess which species, and which localities, need special conservation effort. Seventeen species which are rare throughout their ranges in Africa as well as being rarely-recorded or seldom-recorded in Malawi, are considered to require special effort. Checklists of bats are given for 11 localities, including Liwonde NP in the Upper Shire Valley (29 spp.), two localities on the Shire Highlands (28, 22 spp.), Thyolo on the boundary between the Shire Highlands and Phalombe Plain (22 spp.), and Chiromo in the Lower Shire valley (30 spp.), which have particularly rich bat faunas. Localities in need of urgent conservation effort include Ntchisi FR in the Central Region, and Chiromo. Ninety-two percent of the species of bats known to occur in Malawi have been recorded from the Southern Region. Most of these species will probably continue to survive in southern Malawi provided that the National Parks (especially Liwonde NP) are maintained and well-managed, and there is no further destruction of the indigenous vegetation at Chiromo and Thyolo, and on the Shire Highlands.

Harmsen, R. and I. Jabbal (1968). Distribution and host-specificity of a number of fleas collected in South and Central Kenya (including the collection of the University College, Naitorib, Mount Kenya Expedition, March 1966).

During the years 1963 - 1966 a collection of fleas was made by various members of the Department of Zoology of University College, Nairobi (UCN). This collection was mainly based on Dr. J. B. Foster's trapping of small mammals, and on the fieldwork of Dr. J. B. Sa!e with hyrax. Some specimens, however, were collected occasionally from road kills and other incidental mammalian hosts. The collection culminated with the work of the University College Mount Kenya Expedition in March 1966. The collection was mounted and identified by members of the Division of Insect-Borne Diseases (DIBD), Medical Department, Kenya, and a number of specimens were sent to Mr. F. G. A. M. Smit, Zoological Museum, Tring, England, for confirmation of identification.

The present records of distribution and host-specificity are of interest for a variety of reasons. Fleas only spend their adult life in intimate contact with the mammalian host, the larva is a free living insect, feeding on proteinaceous detritus. It is, therefore, to be expected that fleas will be mainly found on those mammals which have permanent dwelling sites, and particularly on nest or den building animals. This is the immediate effect of the need of a freshly emerged adult flea to contact a new host. Flea eggs deposited in a nest or den have a much higher chance of developing into adults within the immediate reach of a new host than flea eggs deposited at random in the field. One other consequence of this necessity of the flea to locate a host within its life time after larval development away from the host, is a dependence on the climate.

It is, thus, to be expected that within the fairly narrow geographical confines of Kenya a number of flea species will be restricted to particular altitudinal levels in response to a climatic adaptation, even when suitable hosts are available at other altitudes. Alternatively, one would expect to find fleas restricted to particular hosts at one altitude, and to other hosts at another altitude, this in response to the combined effect of climate and nesting habits of different hosts. This form of ecologically based isolation could well become the basis of speciation.

Harrison, D. L. (1953). Some systematic notes on the Long-fingered Bats of the genus *Miniopterus* Bonaparte occurring in South Africa and Madagascar.

1. Two species of the genus *Miniopterus* are considered to exist in southern Africa and two on the island of Madagascar, these being *M. natalensis, M. fraterculus*, and *M. majori, M. manavi* respectively.

2. The original description of *M. fraterculus* Thomas and Schwann is amended with regard to colouration and cranial characters, and some cranial indices are employed for comparision of this species with *M. natalensis* and *M. schrebersii*.

3. The subspecies *M. n. smitianus* Thomas is considered valid, but the race *M. n. dasythrix* is not believed to be separable and is sunk into the synonymy of *M. n. natalensis*.

Harrison, D. L. (1956a). On a collection of mammals from Oman, Arabia, with the description of two new bats.

1. A collection of mammals made by the author in Oman is described and field notes on the various species given.

2. The collection includes two new subspecies *Triaenops persicus macdonaldi* and *Taphozous nudiventris zayidi*, which are here described.

3. The following six species are newly recorded from Oman; *Triaenops persicus, Asellia tridens, Pipistrellus kuhlii, Meriones crassus, Gerbillus cheesmani* and *Mus musculus praetextus*.

Harrison, D. L. (1956c). Mammals from Kurdistan, Iraq, with description of a new bat.

During 1954 a small collection of mammals was made by the author in the extreme north of Iraq, which forms part of Kurdistan. This is an extremely mountainous district and the mountain ranges are continuous with those of Asia Minor and Persia. The mammalian fauna is composed of animals which are quite different to those found in the lowlands and desert of which most of Iraq consists and includes many species which are found in Persia, Asia Minor and Syria. It appears to be a faunal element which has been but little studied in Iraq for a number of the species recorded here have not been previously noted as existing in that country. The collection here described was made in the mountains around Amadia, Kurdistan. In this area the mountains are quite extensively covered with scrub oak forest, while the valleys are very fertile and contain poplars and other trees (See Plate 1).

The mammals obtained are listed below, with notes on their characteristics and field habits and with a description of a new bat.

Harrison, D. L. (1956d). A key to the identification of the bats (Chiroptera) of the Arabian Peninsula.

During several years of field and museum research on Arabian bats it became abundantly clear that a comprehensive key to their identification would be of great value to workers in this field. Included in this attempt to provide such a key are all the forty-two species recorded up to the time of writing from any part of the peninsula including the northern part as far as the northern and eastern frontiers of Syria and Iraq, as well as Sinai. In compiling this key I have been fortunate to have at hand a copy of the late J. L. Chaworth-Musters's notes on the Arabian bats which he prepared for the use of collectors some time before his death, but never published. His notes included a key which did not however comprise the whole area dealt with here, whilst a number of species have been added to the list since

that time. The present key is partly based on his work, but differs in several respects, particularly in the vespertilionid group of bats, the largest single group and by far the most difficult to identify. The writer considers that the dentition provides the easiest primary division of these bats and accordingly places more emphasis on it in this key.

The purpose of a key is to provide an accurate identification of the species included in it, but unfortunately in the Chiroptera this cannot be done without recourse to details of cranial and dental anatomy, and this key being intended primarily for scientific workers it is where necessary based on such characters. Every endeavour has been made to make the characters employed as simple and " absolute " as possible.

It must be admitted that the taxonomy of several species groups of the bats in the peninsula area is still somewhat confused. The nomenclature here employed is based in the main upon Ellerman & Morrison-Scott (1951). In particular it is likely that further research will clarify the very confused position of the Arabian serotine bats (Genus *Eptesicus*) of which no less than five species are recorded. The characters of the last three forms here listed (*E. isabellinus, E. hingstoni* and *E. serotinus turcomanus*) appear doubtfully separable at a specific level and it may well prove that all three are in reality forms of *E. serotinus*.

No key can be absolutely reliable, since whatever characters are employed there will be occasional aberrant individuals which do not "fit". Thus for example, where the number of teeth is the criterion employed there will be occasional difficulties with supernumerary or absent teeth from the normal dentition of the species. Indeed it appears likely that in evolution the loss of teeth from the dentition is a very gradual process in which different members of the same generation may be at different stages in the process, with occasional " throw-backs " to the original formula. That final identification can often only be made by direct comparison with the relevant material in a museum collection must be admitted, but it is hoped that in many cases an individual bat could be confidently identified from the use of this key alone. Where special difficulty is likely to be encountered a second and occasionally a third character has been included to assist the worker. Where the subspecies in the area are known the key has been extended to include them but in many of these the subspecific status is still in doubt. The possibility of intermediation between these subspecific forms must also be borne in mind. The discovery of further species in the peninsula is more than likely and to include such additions modifications of the key may be necessary.

Harrison, D. L. (1956e). A new flat-headed bat of the genus *Platymops* Thomas from S.E. Sudan.

Amongst a number of bats received from Mr. John G. Williams of Nairobi, which he obtained in the extreme south-eastern part of Sudan during 1953, were two small Flat-headed Bats belonging to the genus *Platymops* Thomas. Bats of this genus seem to be extremely rare and hence material for comparison is very sparse. Direct comparison of these specimens with the type specimen of *Platymops macmillani* Thomas (1906), the type locality of which is between Addis Ababa and Lake Rudolph in Abyssinia, and study of Thomas' original description reveals that these specimens possess certain striking characters, from which I have concluded that they represent a new species, which I propose to name

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Harrison, D. L. (1957a). Some systematic notes on the trident bats (*Asellia tridens* E. Geoffroy) of Arabia.

L'auteur décrit les différences existant entre *Aseltia t. tridens* et *A. t. muraiana*, race trouvée en Irak, en Iran et en Arabic, se manifestant surtout par une taille superieure et une oreille proportionnellement plus petite chez cette dernière sous-espèce. Après une étude morphologique, l'auteur discute la répartition géographique et émet l'hypothèse selon laquelle l'espèce serait migratrice dans le Nord de son habitat, ce qui expliquerait certains de ses caractères.

Harrison, D. L. (1957c). Notes on African Bats. 1. Some systematic and anatomical notes of the African bats of the genus *Otomops* Thomas. 2. Some observations on the relationship between the African slit-faced bats *Nycteris hispida* Schreber and *Nycteris aurita* K. Andersen.

1. Three topotypical specimens of *Otomops icarus* Chubb are here described. This form is now considered to represent a subspecies of *O. martiensseni* Matschie.

2. The histology of the gular sac of *O. m. icarus* is described and shown to differ from that of *Cheiromeles torquatus*.

Harrison, D. L. (1958b). A new race of tomb bat *Taphozous perforatus* E. Geoffroy, 1818 from northern Nigeria, with some observations on its breeding biology.

1. The species *Taphozous perforatus* E. Geoffroy, 1818, is recorded from north-western Nigeria for the first time, thus establishing it as a West African mammal.

2. The subspecies *Taphozous perforatus swira* is described, differing from the known subspecies in its greyish brown dorsal surface. The type-locality of the new race is Sokoto, north-western Nigeria.

3. Some observations are made on the breeding biology of the new subspecies, and it is shown that two seasons of parturition must occur in the Nigerian population during one year. In one female at least, the association of lactation with early pregnancy suggests that two pregnancies had occurred in rapid succession.

Harrison, D. L. (1959b). Report on the bats (Chiroptera) in the collection of the National Museum of Southern Rhodesia, Bulawayo.

A collection of bats from the National Museum of Southern Rhodesia, comprising seventy-nine identifiable specimens and including twenty-three species has been sent to the author for examination.

This collection includes several new geographical records and has provided the opportunity to make some systematic researches for which purpose material in the British Museum collection and in the author's collection has been examined also and the findings have been incorporated into the present report.

The identifiable material in the collection has been listed systematically, with the results of the systematic studies undertaken. The author is greatly indebted to Mr Reay H. N. Smithers, the Director of the National Museums of Southern Rhodesia, who has kindly made ;this collection available for study and to the staff of the Mammal Section of the British Museum (Natural History), for their kind co-operation, to Mr W. F. H. Ansell, Mr L. D. E. Vesey-Fitzgerald, Mr I. A. D. Robertson, Mrs P. Swire, Mr J. M. Start, Mr A. Start, Mr J. G. Williams, Mr C. J. P. lonides and Mr P. A. Clancey from whom the author has received material which has contributed considerably to some of the studies included in this report.

Harrison, D. L. (1960e). A checklist of the bats (Chiroptera) of Kenya Colony.

The known Chiroptera of Kenya comprise seventy-five named forms at the time of writing. There is at present no comprehensive work of reference to which the interested zoologist may turn to find an account of the available material and the literature dealing with this large and still growing assemblage of bats. The purpose intended in preparing this check list has been to provide such a basis for further work on the Chiroptera of Kenya, rather than to provide a final answer, which certainly cannot yet be given, to the many systematic difficulties still involved in the taxonomy of African Bats. Where special difficulties are likely to be encountered, notes have been appended explaining these difficulties and giving sometimes an opinion regarding their possible solution and lines for future research. It is hoped

that this list will provide as a first step a working guide to the status of the species known to exist in the area and to the literature about them. A key to their identification, suitably illustrated, will form a natural addition to the present groundwork.

The list has been based on material in the British Museum of Natural History, the Coryndon Museum in Nairobi and the author's personal collection as well as on the published literature. It cannot be hoped that all records will have been included, especially of the commoner species, but it is hoped that a fairly complete picture of their distribution so far as it is known will have emerged. The source of each locality record, either the collection in which the specimen is to be found, or a number referring to the publication in question as listed in the bibliography, will be found in brackets after the locality name. (Abbreviations employed are as follows - B.M.C. = British Museum Collection, C.M.C. = Coryndon Museum Collection, H.C = Harrison Collection). It is regretted that considerations of space have not allowed full details of the collector of each specimen to be given with each record. Locality names have been checked so far as possible against the Ordnance Survey Map of the Colony. A full synonymy of all the named forms has not been included.

The author is especially indebted to Mr. J. D. L. Fleetwood and Mr. J. G. Williams of the Coryndon Museum for all their efforts in stimulating interest in the collection of new material, which has added so much to our knowledge of the local bat fauna in recent years. Mr. Fleetwood has also given invaluable help with details" of the material in the Coryndon Museum. I would like to express my thanks also to the following, who have kindly provided specimens or information, which have been invaluable to this work - P. Bally, B. M. N. Brown, Mrs. P. Bowles, D. Brown, P. W. Barnley, Mrs. C. F. Christopher, A. Cole, J. L. Cruickshank, Mrs. M. Ellis, R. J. Evans, V. Fay, M. Fennessy, J. Fowler, J. Gosham, J. B. Hacker, C. Hagner, J. Hill, B. Hopkins, Col. R. A. F. Hurt, C. J. P. lonides, Dr. J. Leakey, Mr. Lumsden, C. Moore, I. Parker, R. Peake, Miss J. E. Proctor, Mrs. D.-Powles, A. H. Randall, K. Rawlins, D. Sheldrake, A. Start, J. Start, Lt. Col. H. F. Stoneham, Mrs. Tweedie, M. E. H. Vickers and J. D. Vinson. I am much indebted also to the staff of the Mammal Section of the British Museum of Natural History for their kind co-operation, to Dr. J. Dorst of the Paris Museum for his assistance and to Dr. V. Aellen of Geneva Museum for his assistance. Dr. E. Kulzer of the Zoophysiologisches Institute at Tubingen has kindly allowed me to examine some material in his care.

The surprising number of species added to the Kenya list in recent years and indeed the altogether new forms still being discovered as well as the very scanty knowledge of many others all point to the pressing need for further research and collecting. It is hoped that this list will provide a stimulus to that end and at the same time form a compact synthesis of our present factual knowledge.

Harrison, D. L. (1961a). On Savi's Pipistrelle (*Pipistrellus savii* Bonaparte, 1837) in the Middle East, and a second record of *Nycticeius schlieffeni* Peters, 1859 from Egypt.

1. *Pipistrellus savii* BONAPARTE is recorded from Lebanon and Cyprus. The characters of *P. s. caucasicus* SATUNIN are discussed and the Lebanese specimens are referred to this race, which averages larger than the typical one, is paler and usually lacks the small upper premolar.

2. The specimen from Suez obtained by RUEPPELL in 1832 and believed by him to be *P. savii* is shown to be the second Egyptian specimen of *Nycticeius (Scoteinus) schlieffeni*.

Harrison, D. L. (1962). On bats collected on the Limpopo river, with the description of a new race of the Tomb rat, *Taphozous sudani* Thomas, 1915. I. Systematic notes.

1. *Pipistrellus rusticus* Tomes is recorded from Southern and Northern Rhodesia.

2. *Platymops (Sauromys) petrophilus* Roberts is recorded from Southern Rhodesia. The characters of this species are compared in detail with those of *Platymops barbatogularis parkeri* Harrison & Fleetwood and *Tadarida aegyptiaca bocagei* Seabra and subgenus *Sauromys* Roberts is upheld.

3. *Taphozous sudani* Thomas is recorded from Southern Rhodesia and a new subspecies of it, *T. s. australis* is described.

Harrison, D. L. (1963a). Some observations on *Myotis dogalensis* Monticelli, 1887 (Mammalia: Chiroptera).

A complete re-examination has been made of the type specimen of *Myotis dogalensis* Monticelli, 1887, including extraction of the skull. It is concluded that this bat is an Arabian representative of the African *Myotis bocagei* and should accordingly be known as *Myotis bocagei dogalensis*. Satisfactory assessment of its subspecific characters must await the collection of fresh material.

L'esemplare tipo di *Myotis dogalensis* Monticelli, 1887, è stato sottoposto a un complete riesame, compresa l'estrazione del cranio. Si conclude che questo pipistrello e un rappresentante arabo dell'africano *Myotis bocagei* e deve perciò essere conosciuto come *Myotis bocagei dogalensis*. La definitiva precisazione dei suoi caratteri sottospecifici deve attendere la raccolta di materiale fresco.

Harrison, D. L. (1963b). Observations on the north African serotine bat, *Eptesicus serotinus isabellinus* (Temminck, 1840) (Mammalia: Chiroptera).

1. The original type material of *Eptesicus isabellinus* (Temminck, agrees with *Eptesicus serotinus* Schreber, 1774, in size and in all essential characters, the specimens differing only in their pallid colour. The thus regarded as a pale N. African desert subspecies of *E. serotinus*, should be known as *Eptesicus serotinus isabellinus* (Temminck).

2. A specimen of the original type series, now No. 17648 in the Rijksmuseum van Natuurlijke Historie, Leiden, is here selected as the lectotype and is described in detail.

3. *Eptesicus innesi* Lataste, 1887, is clearly a distinct species from *E. serotinus isabellinus*, being much smaller (forearm 40.3-42.3 mm, condylobasal length of the skull 15.2-16 mm).

Harrison, D. L. (1964b). Notes of some Southern Rhodesian Microchiroptera.

A large number of bat specimens recently collected in Southern Rhodesia have been sent to the author for determination by Mr. Reay H. N. Smithers, Director of the National Museums of S. Rhodesia. Amongst these, several species are represented that have not been hitherto recorded from S. Rhodesia and which are therefore worthy of note.

Harrison, D. L. (1965a). A note on the occurrence of the large free-tailed bat, *Otomops martiensseni* Matschie, 1897 (Chiroptera: Molossidae) in Rhodesia.

A specimen of *Otomops martiensseni martiensseni* is recorded from the Kariba Dam, Rhodesia. The characters of *O. m. icarus* are further discussed in the light of additional material of both races and the suggestion made that *icarus* averages smaller in external dimension, as well as differing slightly in colour from the typical form.

Harrison, D. L. (1965b). Remarks on some trident leaf-nosed bats, (genus *Asellia* Gray, 1838), obtained by the Israel South Red Sea expedition, 1962.

The little known Patrizi's Trident Bat, *Asellia patrizii* DE BEAUX, 1931, is recorded from Entedebir Is., S. Red Sea. The species was formerly only known from the mainland of Eritrea. The specimens from Entedebir Is. are slightly smaller than those described by DE BEAUX from the mainland, but otherwise agree closely with his description and differ strikingly from *Asellia tridens* in size.

Harrison, D. L. (1968a). On three mammals new to the fauna of Oman, Arabia, with the description of a new subspecies of bat.

Description d'un Mouflon (*Ovis ammon*) adulte mâle tué dans les montagnes d'Oman en novembre 1967. C'est la première fois que l'espèce est signalée dans la peninsule arabique en dehors de l'Irak. Sont également à ajouter à la faune de l'Oman deux espèces de Microchiropteres: *Eptesicus nasutus* (Vespertilionide) décrite comme une race locale *E. n. batinensis*, et *Taphozous perforatus* (Emballonuridé).

An adult male Wild Sheep, *Ovis ammon* (Artiodactyla: Bovidae) obtained in the mountains of Oman in November 1967 is described and illustrated. It is the first known occurrence of the species in the Arabian peninsula apart from Iraq. Two species of Microchiroptera are newly recorded from Oman: *Eptesicus nasutus* (Vespertilionidae) is here described as a new local race *E. n. batinensis, Taphozous perforatus* (Emballonuridae) is also added to the local fauna.

Harrison, D. L. (1968b). Further notes on African Microchiroptera.

Material of African bats recently sent to the author for examination includes several notable records, which help to complete our knowledge of the geographical ranges of the forms concerned. These are listed below and discussed.

Harrison, D. L. (1973). Checklist: Saudi Arabian mammals.

With the publication of Volume III of Dr. David L. Harrison's Mammals of Arabia (London, Ernest Benn, 1972), this authoritative work is complete. Volume I, 1964, and Volume II, 1968, were reviewed by J. Mandaville in the first issue of the Journal (July 1971; then called Report), and all three volumes are available in the Society's library.

We plan to publish articles on the various families and species from time to time, leaning heavily on Harrison, but adding such information as has been collected by local observers, hope these articles will heighten interest in this branch of the natural history of Saudi Arabia and encourage and assist other members in enjoying and sharing their increasing knowledge.

Mr. Mandaville, of Aramco, Dhahran, is the Society's consultant on mammals and reports may be sent to him. Cal Ham, Aramco, Jiddah, would be pleased to receive information here.

As an introduction to the subject, we are presenting herewith a check list drawn from Harrison. Extinct animals, marine mammals and domesticated species are not covered by Harrison and thus will not appear on the list. Harrison's "Arabia" includes the entire peninsula and, therefore, lists a number of species that are not found within the territorial bounds of the Kingdom. These are not included in our list.

Harrison, D. L. (1975a). A new species of African Free-tailed bat (Chiroptera: Molossidae) obtained by the Zaire River Expedition.

A collection of more than two hundred bats was recently obtained by Major M. D. Gallagher on the Zaire River Expedition. This collection will be fully documented elsewhere, but it contains one small Molossid bat presenting such unique features that it clearly represents a species unknown to science. This most interesting firid clearly demands special treatment and itf is here named in honour of its discoverer.

Harrison, D. L. (1975b). Scientific results of the Oman flora and fauna survey, 1975. Description of a new subspecies of Botta's Serotine (*Eptesicus bottae* Peters, 1869, Chiroptera: Vespertilionidae) from Oman.

Description d'une forme, propre à la région d'Oman, de la Serotine de Botta. Il s'agit de la plus petite forme de l'espece.

During the month of April 1975 a survey of the flora and fauna of the Jebel Akhdar in the Sultanate of Oman was carried out by a party of five naturalists at the invitation of the Oman Government and sponsored by the Ministry of Diwan Affairs.

Amongst 59 mammal specimens obtained by the author on this expedition are three examples of Botta's Serotine (*Eptesicus bottae* Peters, 1869). These specimens represent the first occurrence of this species in Oman, being known previously in the Arabian Peninsula from widely scattered localities in Yemen, Israel and Iraq (Harrison, 1964). They differ so strikingly from all previously described forms of this species that they clearly represent a form new to science which is here named.

Harrison, D. L. (1979). A new species of pipistrelle bat (*Pipistrellus*: Vespertilionidae) from Oman, Arabia.

Three small pipistrelle bats received from Northern Oman recently present a striking combination of external, cranial and dental features which together distinguish them quite sharply from all other bats of this genus. They are considered to represent a new species here named

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Harrison, D. L. (1982). Observations on some rare Arabian *Pipistrellus* (Chiroptera: Vespertilionidae) with special reference to the external male genitalia.

Further material of the recently described and little-known *Pipistrellus arabicus* from Oman is here recorded. The external male genitalia and baculum are described and compared with those of *P. pipistrellus* and *P. bodenheimeri*, the latter also described in detail for the first time. Marked morphological differences are revealed.

Weiteres Material der kürzlich beschriebenen und wenig bekannten *Pipistrellus arabicus* aus Oman wird mitgeteilt. Das äußere männliche Genitale und Baculum wird beschrieben und mit dem von *P. pipistrellus* und *P. bodenheimeri* verglichen, wobei letztere Art erstmals im Detail beschrieben wird. Zwischen allen drei Arten bestehen markante morphologische Unterschiede.

Harrison, D. L. (1983). The mammal fauna of Oman, with special reference to conservation and the Oman flora and fauna surveys.

The terrestrial mammal fauna of the Sultanate of Oman, currently comprising fifty-six known species, is reviewed from a conservation viewpoint. A total of thirty-four species are of some conservation interest, but only eight species are considered to be threatened with local extinction at the present time. All are large artiodactyls or carnivores. One species is considered actually extinct locally but has been saved in captivity and is to be restored to the wild state soon.

A review of conservation progress and requirements shows that preservation of habitat is at least as important if not more vital than protection of the actual animals from hunting. Experience with the Oman Flora and Fauna Surveys and the WWF/IUCN Tahr Project have revealed the value of detailed scientific analysis of the whole 'ecosystem' in selection of sites for National Parks and in their management. A clear need emphasized by this review will be the establishment of a special Reserve in the mountains of Dhofar, where an altogether unique flora and fauna exist in a strictly limited area.

The ultimate success of any conservation policy in Oman will depend on education. A prime object of the recent Flora and Fauna Surveys has been to make more comprehensive information available to the Oman people as well as to the scientific world about the fascinating natural history of this ancient land. Already a splendid start has been made to this task with publications sponsored by the Government on the wild flowers of northern Oman (Mandaville, 1978) and wildlife in Oman as well as the interim reports of the Oman Flora and Fauna Surveys (Oman, 1976; 1979), all available in Arabic and English editions. Books on butterflies (Larsen & Larsen, 1980) and birds (Gallagher & Woodcock, 1980) of Oman have also been published. As stated by HM Sultan Qaboos bin Said in his Foreword to *The Scientific Results of The Oman Flora and Fauna Survey, 1975* 'the work of surveying the flora and fauna of the Sultanate must continue for some time. The *Journal of Oman Studies* will convey the results to the scientists and interested laymen of the world. As the teaching of science progresses in our schools this knowledge will be available also for the youth of Oman.' Only in this way will this priceless national heritage be preserved and cherished from one generation to the next

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Harrison, D. L. and P. J. J. Bates (1989). Observations on two mammal species new to the Sultanate of Oman, *Vulpes cana* Blanford, 1877 (Carnivora: Canidae) and *Nycteris thebaica* Geoffroy, 1818 (Chiroptera: Nycteridae).

Blanford's Fox (*Vulpes cana* Blanford, 1877) is recorded for the first time from Oman. Recently recognised as a relict montane species in Israel, this is the first record of the species from the southern part of the Arabian peninsula. The baculum of the species is described and shown to be distinctively different from that of *Vulpes rueppelli*. Also the Slit-faced Bat, *Nycteris thebaica* Geoffroy, 1818, is recorded for the first time from Oman.

Harrison, D. L. and P. J. J. Bates (1991). The mammals of Arabia. Second edition.

Nearly twenty years have passed since the publication of the first edition of this work was completed in 1972. During that time considerable advances have been made in our knowledge of the mammalian fauna of the Arabian peninsula. Previously unknown species and subspecies have been described and new researches have necessitated changes in the status of some pre-existing taxa.

At the same time rapid development in the region has led to expanding interest in the Natural History of Arabia and to the foundation of many new Universities and Colleges with an interest in Zoology. Increased pressure on the environment has produced an urgent need for conservation of wildlife, especially of the large mammals, many of which are under serious threat of extinction. All these considerations indicate the need for an updated second edition of *The Mammals of Arabia* which we have jointly undertaken. Although some well illustrated books have appeared describing the mammals of various parts of the region and their general natural history, this is still the only comprehensive scientific reference work covering the whole peninsula. This edition is intended as an up-to-date revision of the taxonomic part of the first edition; its geographical scope is identical, including the entire peninsula, namely: Iraq; Syria; Lebanon; Jordan; Israel; Sinai; Kuwait; Saudi Arabia; Qatar; U.A.E.; Oman; North Yemen; South Yemen and the Arabian offshore islands. Its zoological scope is also similar, to include all wild terrestrial mammals occurring in the region; domesticated and marine mammals are excluded as well as those species that are definitely extinct.

Several changes in format and treatment of data have been introduced here in order to produce a compact and readily workable edition. Tables of measurements have been reduced to means, ranges and standard deviations, rather than tabulated data of individual specimens. Although in some ways regrettable this is an unavoidable necessity in a condensed edition. The treatment of subspecies is

less formal here than in the first edition; they are now assessed in the general context of intraspecific variation. The descriptive text has been condensed, but it has been felt essential to retain the important details of external, cranial and dental morphology, especially having regard to the very real difficulties involved in distinguishing between many of the extant species found within the region; it is hoped that it will also prove useful for those undertaking palaeontological studies within Arabia. Knowledge of ecology and habits has greatly increased and therefore discussion of these aspects of the fauna has been much expanded. Distribution maps have been updated and while every effort has been made to include all significant new range extensions it is clearly no longer practicable to list every known record of the more abundant species.

Illustrations have been reviewed and many new photographic plates have been introduced as well as some new line drawings. Keys to identification have been simplified and made dichotomous wherever possible; character matrix keys have also been employed in some of the more complex and taxonomically difficult groups. Knowledge of karyology is rapidly expanding and becoming established as a useful adjunct to conventional morphological taxonomy. Where known, the karyotypes of Arabian specimens are briefly discussed with reference to the original sources in the literature, to which interested workers can refer. Synonymies have been simplified, with the exclusion of all taxa not directly relevant to this region. With these changes incorporated it is hoped that this new edition will provide a useful working tool for the taxonomists, ecologists, conservationists and palaeontologists alike.

The Arabian peninsula is a vast region with habitats of many types, including some of the most harsh and exacting on our planet. Much basic research still needs to be done on its mammalian life, which is of unique interest, including Eurasian and African elements as well as local endemic species. Successful conservation of this fascinating fauna can only be achieved by detailed scientific analysis of the component species and their habitat requirements. This book has been designed to assist in achieving this important and increasingly urgent objective

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Harrison, D. L. and I. P. Brownlow (1978). A comparative study of the baculum in bats of the genus *Scotophilus* (Chiroptera: Vespertilionidae).

Les os péniens des 5 espèces connues du genre *Scotophilus* sont étudiés et comparés dans cette note. Ils n'ont pas la valeur d'un caractère taxonomique pour reconnaltre les espèces de ce genre.

On constate une croissance post-natale de cet os; le baculum n'est pas ossifié chez les jeunes. Chez les adultes il est situé obliquement dans le gland. Un second specimen de *S. gigas* de Nigeria est signalé.

The baculum of all five recognised species of genus *Scotophilus* is studied and compared. It is of no value as a taxonomic character in distinguishing the species of this genus. Significant postnatal growth of the bone occurs; the baculum is unossifled in infants; in the adult it lies obliquely in the glans penis. The second specimen of *S. gigas* from Nigeria is recorded.

Harrison, D. L. and J. D. L. Fleetwood (1960). A new race of the flat-headed bat *Platymops barbatogularis* Harrison from Kenya Colony, with observations on the anatomy of the gular sac and genitalia.

Seven specimens of this remarkable bat, known hitherto by three individuals, were obtained on 12 February, 1958, at Lualeni Borehole, Maktau, southern Kenya Colony (03° 25' S., 38° 10' E.) by Mr. lan Parker, of the Kenya Game Department, thus extending the known distribution of the species from the type-locality, i.e. Lokomarinyang Marsh, Ilemi Triangle, south-eastern Sudan (*vide* Harrison, 1956), to southern Kenya Colony.

The material consists of three adult females, one adult male, two immature females and an immature male. The specimens were preserved in alcohol from which they have been relaxed and prepared.

They have been compared with the *Type* and paratypes of the species from Lokomarinyang, with which they agree in all essential characters, but they exhibit certain constant differences in size and colour, and we have concluded that they represent a new subspecies to science. This we propose to name in honour of its discoverer.

Harrison, D. L. and R. E. Lewis (1961). The large mouse-eared bats of the Middle East, with description of a new subspecies.

The greater mouse-eared bat, *Myotis myotis* Borkhausen, is recorded from Syria and Lebanon and a new subspecies is described, type locality 2 km east of Amchite, Lebanon. This bat exists together with the lesser mouse-eared bat, *Myotis blythi* Tomes, in certain localities in Syria and Lebanon. The forms *M. m. omari* Thomas (type locality Derbent, Iran) and *M. m. risorius* Cheesman (type locality Shiraz, Iran) are considered to be races of *M. blythi* Tomes, and it is considered likely that *risorius* is a synonym of *omari*.

Hatt, R. T. (1928). Note sur un chéiroptère nouveau du Soudan français (note presentée par M. Th. Monod). I. Introduction (par Th. Monod); II. *Chaerophon* (*Lophomops*) *nigri* sp. n.

(introduction written by Th. Monod.)

Deux faits intéressants ont été révélés par l'examen de la petite collection de Cheiroptères que j'ai recueillie au cours de la Mission Saharienne Augiéras-Draper. C'est d'abord la capture à Tamanrasset (Hoggar) de *Rhinolophus fumigatus* Rüppel (= *Rh.Antiornii* Dobson) (2) et la découverte, à; Bourem, en compagnie du banal *Pipistrellus Kuhli* Natterer, d'un *Chærophon (Lophomops)* nouveau pour la science.

J'ai communiqué les échantillons de cette dernière forme à M.le Dr Robert T. HATT qui à bien voulu rédiger la diàgnose que l'on trouvera plus loin.

Hayman, R. W. (1935b). On a collection of mammals from the Gold Coast.

The following report is based on a collection of 321 mammals from Ashanti and the Northern Territories of the Gold Coast, the result of an expedition to Ashanti in 1933-1934 by Mr. Willoughby P. Lowe and of a combined journey by Mr. Lowe and Miss F. Waldron through Ashanti and the Northern Territories in 1934-1935.

Four new forms are described, two of which represent genera not previously recorded from the Gold Coast (*Mylomys* and *Steatomys*), and the collection extends the known range of other West Coast species. Mr. Lowe was particularly successful in obtaining monkeys, and a striking red Colobus is now known to be peculiar to Ashanti.

I am greatly indebted to Mr. M. A. C. Hinton, F.R.S., Deputy Keeper of Zoology, for the opportunity to work out this important collection. Mr. R. I. Pocock, F.R.S., has been kind enough to contribute detailed notes on the leopards.

A note on the localities mentioned in this paper may be useful. Goaso and Mampong are entirely rain forest areas in Ashanti. Mr. Lowe informs me that Goaso, a particularly rich locality for the forest forms, was once the royal hunting ground of the kings of Ashanti. Ejura is just outside, the northern edge of the rain forest, but most of the obviously forest forms labeled Ejura come from a nearby strip of gallery forest. Farther north, Wenchi is hi the orchard bush country, and the remaining localities, Bole, Wa, Laura, Sicili River, Navarro, Tumu, and Tamale, are all in the Northern Territories, in the grass savannah areas.

Hayman, R. W. (1937). Postscript.

Some further specimens collected by the Lake Rudolf Rift Valley Expedition have come to hand since the author left England for a period of some months. At her request I have examined this material. It includes a new race of mouse-tailed bat (Rhinopoma), which Miss St. Leger asks me to describe, and a shrew and a spiny mouse not represented in the collection first received.

Hayman, R. W. (1938). A new Crested bat (*Chærephon*).

Among a small collection of mammals - chiefly bats - made recently in N.E. Rhodesia by Mr. D. Gordon Lancaster, and presented by him to the British Museum, there occurs a specimen of *Chærephon* with a long bicoloured crest and a pure white underside. Careful comparison with previously described forms shows that Mr. Gordon Lancaster's specimen belongs to an undescribed form, for which I now propose the name.

Hayman, R. W. (1941). British Expedition to South-west Arabia. 1. Mammalia: Chiroptera.

Examples of four species were brought back by Dr. Scott and Mr. Britton. One of them constitutes an addition to the list for Arabia, and the other three were found in places whence they had not previously been recorded. At the end of the paper is added a list of all the Chiroptera known from the area of the Expedition.

The specimens of the fruit-bat (*Eidolon sabaeum*) formed part of a colony which had previously rested in a cypress-tree within the walls of San'a. They alone, of the four species, were infested with insect-parasites, namely, a large species of *Cyclopedia* (Nycteribiidae). The examples of the three insectivorous bats were all found in a low cave, with roof sloping steeply upwards from the entrance, in sandstone rocks near the foot of Jebel Harir, in the Aden Protectorate.

Hayman, R. W. (1946). A new *Scotonycteris*, with notes on other Gold Coast bats.

Among the small mammals recently collected in the Gold Coast of West Africa by Mr. G. S. Cansdale for the British Museum are some interesting bats, one of them new, which add considerably to our knowledge of the Chiroptera of that region and demonstrate that we have much yet to learn about the.smaller mammals of the West African forest regions.

The new form is a small fruit bat, belonging to a genus of some rarity in collections, and may be known as

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Hayman, R. W. (1947b). A new race of *Scotonycteris zenkeri* from the Gold Coast.

A collection of mammals recently received from Mr. G. S. Cansdale, of the Gold Coast, contains a single specimen of the dwarf fruit bat *Scotonycteris zenkeri* which differs sufficiently from the Cameroon form to warrant distinction as a local race, for which I propose the name

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Hayman, R. W. (1947d). A new *Hipposideros* from Sierra Leone.

Among a collection of small mammals from Sierra Leone recently presented to the British Museum by Mr. T. S. Jones were three examples of a very distinct new bat of the genus *Hipposideros*, which may be described as

Hayman, R. W. (1951). A new African molossid bat.

I am indebted to Dr. H. SCHOUTEDEN for the opportunity to examine and describe what appears to be a new species of Molossid bat from the highlands west of Lake Albert, in the Belgian Congo. I propose to name the new form

Hayman, R. W. (1954). Notes on some African bats, mainly from the Belgian Congo.

I am indebed to Dr. M. POLL of the Musée Royal du Congo Beige for the opportunity to examine in London a large number (466) of unidentified bats from the collection in his care. Nearly all are in alcohol. Although many belong to comparatively well-known forms, others represent species either now recorded for the first time from the Belgian Congo, or presenting other points of special interest.

The following are new to the Belgian Congo, so far as I have been able to determine from available collections and literature.

Micropteropus grandis SANBORN.
Epomophorus gambianus OGILBY.
Rhinolophus hildebrandti PETERS.
Tadarida (Chaerephori) spillmanni MONARD.
Tadarida (Chaerephon) pumila CRETZSCHMAR.
Nycticeius (Scotoecus) hirundo hindei THOMAS. Genus and species.
Glauconycteris beatrix THOMAS.
Pipistrellus crassulus THOMAS.
Pipistrellus culex THOMAS.
Miniopterus minor PETERS.

The identifications of all the Congo Museum bats examined are given in the following list. The Congo Museum numbers are followed by localities, dates of collection where known, and the collector's name in parentheses. The localities are to be found on the accompanying map. Specimens are all in alcohol except where noted otherwise. Of the specimens listed, a set of duplicates has been generously presented to the British Museum by the authorities of the Congo Museum, but all unique specimens remain in the collection of the latter institution.

Hayman, R. W. (1957). Further notes on African bats.

The following brief notes on the distribution or status of some comparatively little-known African bats are based on specimens recently examined, the majority being among collections identified for the Congo Museum, Tervuren. I am indebted to Dr. M. POLL for the opportunity of studying these.

Hayman, R. W. (1960a). A note on the bat *Cloeotis percivali* Thomas.

(1) The characters distinguishing *Cloeotis percivali australis* have been examined and re-described in the light of additional material.

(2) The known range of *C. p. australis* has been extended by the recording of specimens from Bechuanaland, Northern Rhodesia, and Katanga, Belgian Congo.

(3) The noseleaf of *Cloeotis percivali australis* has been described in detail and is figured for the first time.

Hayman, R. W. (1960c). Notes on some small African mammals.

Among a number of small mammals from various localities in the highlands of Ethiopia, collected recently by Mr. F. R. ALLISON, there occurs a series of rats of an apparently undescribed race. They belong to the long-tailed, white-bellied group of *Rattus* formerly included in the *Myomys* subgenus by ELLERMAN (1941), but later, ELLERMAN, MORRISON-SCOTT and HAYMAN (1953), transferred to the subgenus *Praomys, Myomys* being considered unavailable because of uncertainty about the identification of its type species, *Mus colonus* BRANTS. This undescribed race is obviously closely related to *Rattus (Praomys) fumatus* of Kenya and to the form *brockmani* of Somaliland which is best regarded as a subspecies of *fumatus*.

Hayman, R. W. (1963). Mammals from Angola, mainly from the Lunda District.

Among the material results of the extensive biological investigations into the fauna and flora of the Lunda District of Northeastern Angola, initiated and sustained by the Dundo Museum, is a valuable collection of the smaller mammals of that district which has been entrusted to me for examination in London. This collection, totalling 602 specimens, has proved to include a number of forms of special interest; the present report lists fourteen forms new to Angola and adds two new species of bat to the Angolan list. The collection includes a few specimens from other regions of Angola, but the major part is from the Lunda District, from the Congo border in the north to the Kasai-Zambesi watershed in the south.

It should be stressed that this collection in no way represents the total mammal material preserved in the Dundo Museum. It represents rather a selection of forms which Dr. MACHADO considered to be worthy of further examination by a specialist. Dr.MACHADO informs me that it is intended to prepare at a later date a more comprehensive work on the mammal fauna of the Lunda District.

The Lunda District has been thoroughly described in all its aspects by Dr. A. DE BARROS MACHADO (1952) of the Dundo Museum. He has stressed the fact that, zoogeographically, this is a highly interesting region presenting, in close proximity, essential elements of both the Guinea-Congo and the Zambesian-Rhodesian faunas. This situation is accounted for by the fact that the district as a whole consists of a gentle slope to the northward of the typical Rhodesian-type savannah, deeply intersected by the numerous northward flowing rivers draining the region towards the lower Kasai and hence to the Congo. The courses of these rivers are marked by long narrow strips of gallery forest extending like long fingers from the Congo rain forests of the north deep into the savannah region. The result of this interlocking of two entirely distinct environmental regions is that in this area of Angola the distinction between the two faunas (so far as mammals are concerned, at least) is very clearly shown in spite of the often close approximation in actual territory. The collection itself illustrates the comparative numerical paucity of forest species (perhaps influenced also by the comparative difficulty of finding and collecting them) in that it contains representatives of only eleven forms which can be truly considered fully representative of forest environments, but of no less than sixty-eight forms associated mainly with the savannah environment, and indicating to a large extent affinity with the mammalian fauna of the Zambesi-Rhodesian-Katangan region. Thus this collection of mammals reinforces the views already clearly and fully expressed by Dr. A. DE BARROS MACHADO regarding the faunal relationships of the Lunda District.

The following forms are here listed for the first time from Angola.

Crocidura nigrofusca MATSCHIE
Crocidura cyanea electa DOLLMAN
Crocidura aff. denti DOLLMAN
Crocidura aff. roosevelti HELLER
Crocidura russula silacea THOMAS
Epomophorus crypturus PETERS
Scotophilus nigrita dingani A. SMITH
Nycticeius (Scotoecus) hirundo albigula THOMAS

Taphozous (Saccolaimus) peli TEMMINCK
Helogale parvula varia THOMAS
Heliosciurus gambianus rhodesiae WROUGHTON
Graphiurus (Claviglis) murinus lorraineus DOLLMAN
Rattus (Mastomys) natalensis bradfieldi ROBERTS
Dendrohyrax (Dendrohyrax) arboreus braueri HAHN

In addition, the following form, although reported by Dr. MACHADO (1952) was overlooked by ELLERMAN, MORRISON-SCOTT and HAYMAN (1953) and by the Zoological Record (Mammalia): - *Cercopithecus neglectus* SCHLEGEL.

The two new species of bat described below are *Micropteropus intermedius* and *Glauconycteris machadoi*.

Measurements. These are given throughout in millimetres, except where otherwise indicated.

Hayman, R. W. (1964). Notes on a West African bat *Hipposideros jonesi*.

La présence d'*Hipposideros jonesi* Hayman est. rapportée pour la première fois du Ghana. Des mesures comparatives de cette population et d'autres specimens montrent une variation selon un cline à travers l'aire géographique connue. L'existence de deux phases de coloration est discutée; des variations de structure dans la feuille nasale sont notées.

Hayman, R. W. and D. L. Harrison (1966). A note on *Tadarida* (*Chaerophon*) *bivittata* Heuglin.

A reexamination has been made of the original specimens of the little-known bat *Tadarida (Chaerephon) bivittata* Heuglin. Detailed external measurements and skull measurements are published for the first time. Further specimens from Kenya, Uganda and Northern Rhodesia (Zambia) are also reported on. It is concluded that the species is a very distinct one but that the colour pattern, particularly as regards the spotting or striping from -which the species takes its name, is very variable individually.

Hayman, R. W. and J. E. Hill (1971). Order Chiroptera.

The preparation of this work, in which 10 families, 46 genera and 212 species are keyed and annotated, has shown that the scope for further work on practically every aspect of African bat systematics and biology is unlimited. Basically, it has shown that:

1. although the total number of specimens reported on, either directly or in the available literature, is very considerable, it is true to say that in relation to the total land mass of Africa, viewed as possible bat habitat, the numerical representation in the world's museums is negligible;

2. the geographic gaps in the representation of even the commonest species are enormous, and are probably due to the purely accidental incidence of the location of many collector's stations and to the accessibility, or lack of accessibility, of many others;

3. the number of species, which in some cases were first made known to science half a century or more ago and which are even now represented in collections in no more than single figures, is surprisingly high;

4. the taxonomic status and affinities of many of the more abundant species, represented in museum collections by a considerable quantity of material, are still very frequently the subject of widely divergent views held even by present-day workers;

5. the total volume of reliable field data available for even the most abundant species is pitifully small.

In view of these facts it is not to be expected that anything approaching finality on many aspects of taxonomy and geographic distribution would be possible at the present time. It has been attempted here to bring together in an unbiased fashion the divergent views expressed in many cases, and to present such keys as are (a) possible in the present state of knowledge, and (b) practicable for use in the field with the minimum use of detailed dental and cranial examination. The notes supplied wherever considered necessary should be used in conjunction with the keys. They are intended to draw attention to the problems still awaiting an agreed solution, and to indicate how various authors have up till now dealt with them.

The bibliography is designed with two main objectives. One is to provide references to all bat names which have not already appeared in any one of the three standard check lists covering Africa either in whole or in part, namely Alien (1939), Ellerman and Morrison-Scott (1951) and Ellerman, Morrison-Scott and Hayman (1953), thereby bringing up to date (to the end of 1966*) the lists of African bat names already provided in those works. Such additional names in the text are provided with the page reference in addition to the author and year; the full references appear in the bibliography. The second main objective is to provide the full reference for every authority cited in the text.

All measurements in the text are given in millimetres.

It may be added that without the very full facilities available at the British Museum (Natural History), in the form of both the wide scope and historical importance of the rich collections, and the very comprehensive library resources, even a purely provisional work such as this would have presented yet more problems than did in fact arise during its compilation.

Since the retirement of the senior author in November, 1967, soon after the completion of the preliminary draft of this work, the arduous task of assessing, and where appropriate, incorporating the comments and criticisms of other workers, as well as the major points of a number of relevant works published after the completion of the draft and up to December 1968, has been willingly and conscientiously undertaken by the junior author, without whose whole-hearted co-operation the completion of this work would not have been possible.

Hayman, R. W., X. Misonne and W. N. Verheyen (1966). The bats of the Congo and of Rwanda and Burundi.

Historically, the beginning of published records of *Chiroptera* found in any part of the present Republique du Congo, formerly the Congo Belge (referred to subsequently herein as the Congo) appears to date from JOHNSTON (1884), who presented a short list of bats identified from the Congo River from its mouth to Bolobo. So far as appears from the literature examined, the next list of bats from any part of the region is included in the report by THOMAS (1888) on the mammals obtained by that indefatigable investigator Emin Pasha in the north-east of the Congo basin. Thereafter a long hiatus in the listing of Congo bats extended almost to 1915, when THOMAS recorded some of the interesting results of the collections made in the Ituri region by Dr C. CHRISTY on behalf of the Congo Museum, Tervuren.

The first real landmark in the literature on the subject, and a major contribution to knowledge of the bats of the north-east Congo in particular, especially the Ituri Forest and the Uele savannahs, was the detailed taxonomic report by J. A. ALLEN (1917) on the vast collections made by H. LANG and J. P. CHAPIN on behalf of the American Museum of Natural History. These consisted of nearly 800 specimens. ALLEN listed them as 68 forms, no less than 29 of which he described as new. As ALLEN was the first to admit, the difficulties due to the first World War made it impossible for him to compare this rich material with forms already described from neighbouring regions of Africa, mainly housed in European museums. The lack of so many of these forms in American museums at that time made reliance on descriptions in the literature inevitable. As a consequence, it is now known that a good proportion of ALLEN'S new names fall into the synonymy of earlier described species from outside the Congo. Nevertheless, ALLEN'S work remains an essential point of departure for all later investigators of Congo bats, although the status of a number of his new names is still in doubt. Further, the copious

field notes provided by the trained field workers LANG and CHAPIN contribute a very important part of the American Museum report.

From the date of ALLEN'S work stem more and more frequently local lists, taxonomic reports on collections, and extensions of range for many of the bats of the region. As a consequence of this stimulus to research, the list of forms recognised from the Congo has grown steadily; the list forming the basis of the present work catalogues 34 genera and approximately 120 species (allowing for the uncertain status of a few names).

This increase has been largely due to the intensive collecting carried out in the National Parks of the Congo, notably in the Parcs Nationaux Albert, Garamba, Upemba and Kagera, during the past three decades, by trained investigators working on behalf of the Institut des Parcs Nationaux du Congo. Among the names outstanding in this connection are those of G. F. DE WITTE, S. FRECHKOP and others. The results of most of these collections have been reported on mainly by Dr. H. SCHOUTEDEN and S. FRECHKOP. The outstanding work of Dr. SCHOUTEDEN in this field needs no stressing, and the appearance in 1947 of his invaluable work, De Zoogdieren van Belgisch Congo en van Ruanda-Urundi, marks the second landmark in the history of the cataloguing of the Congo bats (among other mammals). In particular, the synthesis of all recorded occurrences of Congo bats up to that date has provided an excellent view of the geographical distribution, so far as collecting has revealed. Apart from the special collections from the National Parks, very large collections of bats have been made in recent years in the Katanga region, where the abundance of mine shafts, old and new, has provided bat collectors with a fruitful source of supply. All these collections, totalling nearly 7000 specimens, have been preserved in Brussels; partly in the Musée Royal de l'Afrique Centrale (formerly the Musee Royal du Congo Beige) at Tervuren, partly in the Institut Royal des Sciences Naturelles de Belgique, partly in the Institut des Parcs Nationaux du Congo. The opportunity in 1962 to investigate personally a large part of these collections, at the invitation of the authorities concerned, proved of great assistance to the senior author of this list, and enabled a number of identification and taxonomic problems to be solved. In addition, over 500 Congo bats in the British Museum (Natural History) have been examined, and the report by J. A. ALLEN on the 794 specimens forming the American Museum of Natural History's north-east Congo collection has been made much use of.

The third landmark in the literature on the Congo bats was the publication in 1957 of the major work by J. VERSCHUREN on the ecology, biology and systematics of the bats of the Garamba National Park. The thoroughness of this work, and the light it threw on many aspects of bat life in this selected region of the Congo, set a pattern for the future which will be difficult to excel.

It is very much to be hoped that the political changes which have taken place recently, leading to the independence of the Congo, will not in the long run hamper unduly the further investigation of many parts of the territory, which, as the compilation of this list has shown, are still very poorly represented in museums. The comparatively intense collecting of bats in the north-east of the Congo and in the Katanga region has stressed by contrast the need for similar large scale collecting in most parts of the central Congo basin, in the Lower Congo region, and also in the highlands of the Albertine Rift borderlands.

Zoogeographically, the Congo basin occupies a unique position in Africa from many faunal aspects. Its central position in the continent, its immense size, and particularly the enormous extent of the tropical forest belt, all contribute to its importance. Particularly it is clear that the almost unbroken extent of rain forest extends the range of very many of the typically West African forest forms as far east as the eastern border of the forest zone, which partly coincides with the political boundary in the east along the Rift Valley. Further, both to the north and to the south, the open savannahs, intersected frequently by the gallery forests bordering the river systems draining towards the Congo, support a bat fauna consisting partly of the Sudanese-East African-Rhodesian savannah elements, partly of the West African element extending north and south of the central forest zone by way of the gallery forests. There is no doubt that further collecting in all regions will produce still more species not yet listed from the Congo, and there is also little doubt that undescribed forms still remain to be obtained. Modern methods of bat collecting, particularly .the use of mist nets which elsewhere have shown spectacular results in catching forms not normally collected by conventional methods, will undoubtedly play a large part in filling the gaps (still far too wide) in our knowledge of the bats of the region.

The present list, it has seemed to us, may fill a need in putting on record a summary of the present data on the taxonomy and particularly the distribution of the Congo bats. It is hoped that it may stimulate further interest among those in a position to carry the work further ; the distribution maps in particular will help to indicate where the greatest gaps lie. It should also be stressed that wherever keys are provided, it is not claimed that they are final or perfect; they are offered as some assistance to those wishing to develop their interest in the subject. It is, unfortunately, still not possible to be positive about the status of a number of Congo bat names, particularly in the difficult group Molossidae and in some of the Vespertilionidae. It must be left to future workers to complete the task.

Heim de Balsac, H. (1934a). Mission Saharienne Augiéras-Draper 1927-1928. Mammifères.

La collection de Mammifères recueillis, au cours de la Mission AUGIERAS-DRAPER, a déjà fait l'objet de plusieurs notes de la part de TH. MONOD. Néanmoins le sujet n'était pas épuisé et l'auteur nous a prié de bien vouloir examiner lé matériel dans son ensemble. L'intérêt que présentent les Mammifères de l'A'haggar et des régions situées au delà n'était pas douteux. Dans la littérature il n'existe que deux notes de première main concernant la faune mammalienne de ces régions, basées sur les récoltes de BUCHANAN, qui furent étudiées par O. THOMAS et M. HINTON: Comme il était à prévoir, nous avons trouvé des faits nouveaux dont certains présentent un intérêt biogéographique. Nous ne reviendrons pas ici sur le trajet effectué par la Misson, ni sur les localités traversées; ces détails se trouvent dans des publications antérieures et dans la note que nous avons consacrée ici même aux Oiseaux rapportés par la Mission.

Heller, E. (1912). New races of Insectivores, Bats, and Lemurs from British East Africa.

Further study of the collection of East African mammals in the U. S. National Museum has resulted in the discovery of several new races of insectivores, bats, and lemurs, which are described in the present paper.

Nearly all of these new forms have been detected in the collection recently made under the direction of Mr. Paul J. Rainey in British East Africa.

The new races described are chiefly from the summits of isolated mountains situated either in the northern desert of British East Africa near the Abyssinian border, or else in the Taru Desert near the coast.

The material has been compared directly with the types of the described species in the British Museum. For the privilege of examining the specimens, in the British Museum, and for facilities in the working out of the collection the writer is indebted to Mr. Oldfield Thomas, the curator of mammals.

Heller, K. G. (1992). The echolocation calls of *Hipposideros ruber* and *Hipposideros caffer*.

Bats of the *Hipposideros caffer/ruber* - group are the commonest representatives of this genus in many regions of Africa. In large parts of their range two morphologically very similar species, *H. caffer* and *H. ruber*, occur sympatrically. We studied the frequency in the constant frequency part of the echolocation calls of bats belonging to this group in Irangi (Prov. Kivu, Zaire). Here we found two forms with frequency bands of 132 - 138 kHz and 154 - 157 kHz, which also differed in forearm length (53 - 56 mm and 50 - 52 mm). Taking into account other acoustic and morphological data, our results indicates that *H. ruber* emits calls with frequencies between 130 and 140 kHz, whereas the calls of *H. caffer* are higher in frequency, especially in areas where both species occur sympatrically.

Heller, K. G. and M. Volleth (1984). Taxonomic position of "*Pipistrellus societatis*" Hill, 1972 and the karyological characteristics of the genus *Eptesicus* (Chiroptera: Vespertilionidae).

Recently collected material (five specimens from Ulu Gombak, Malaysia) shows that *Pipistrellus societatis* Hill 1972 has to be considered as a lowland form of *P. circumdatus* Temminck 1840. Chromosomal analysis (2n = 50, FN = 48) and examination of the baculum prove that *Pipistrellus circumdatus* be placed in the genus *Eptesicus*. Karyological and morphological differences of the genera *Vespertilio, Pipistrellus* and *Eptesicus* are discussed. Extension of the definitions of these genera is proposed, taking into consideration karyological characteristics and the form of the baculum. The number of premolars is considered less significant.

Anhand von neu gesammeltem Material (fünf Exemplare aus Ulu Gombak / Malaysia) wird gezeigt, daß *Pipistrellus societatis* Hill, 1972 als Tieflandform von *Pipistrellus circumdatus* Temminck, 1840 zu betrachten ist. Aus der Chromosomenanalyse (2n = 50, FN = 48) und der Untersuchung des Baculums geht hervor, daß *P. circumdatus* in die Gattung *Eptesicus* zu stellen ist. Die karyologischen und morphologischen Unterschiede der Gartungen *Vespertilio, Pipistrellus* und *Eptesicus* werden diskutiert. Es wird eine Erweiterung der Definitionen dieser Gattungen unter Einbeziehung der karyologischen Merkmale und der Baculumform vorgeschlagen. Der Anzahl der Prämolaren wird dabei weniger Wert beigemessen.

Heller, K. G. and M. Volleth (1995). Community structure and evolution of insectivorous bats in the Palaeotropics and Neotropics.

The most diverse known communities of insectivorous bats in the Palaeotropics and Neotropics are similar in alpha diversity (number of species). However, they show distinct differences with respect to wing morphology and the echolocation behaviour of their component species. In the Palaeotropics, most bat families are clearly separated in wing morphospace. The morphological niche of Rhinolophidae is vacant in the Neotropics, but primitive echolocators using sound primarily for scanning the environment rather than for prey capture are much more frequent there than in the Palaeotropics. In our opinion, a large portion of this difference can be traced to the different evolutionary histories of the respective communities. Bat families of different geographical origin are involved and their foraging styles obviously evolved differently in the Old and New World.

Heller, K. G., M. Volleth and D. Kock (1994). Notes on some vespertilionid bats from the Kivu region, Central Africa (Mammalia: Chiroptera).

Three species of rare vespertilionid bats were recorded in 1990 in the Kivu region (Rwanda and Zaire): *Hypsugo eisentrauti* (new for Rwanda), *Hypsugo crassulus* (additionally new for Ivory Coast) and *Glauconycteris beatrix*. The West African *H. eisentrauti bellieri*, according to the holotype skull and skin studied, is to be removed from *H. eisentrauti* and very probably represents a western subspecies of *H. crassulus*. Of all three species and some further *Glauconycteris* sp. Bacula are illustrated and for both *Hypsugo* species distribution maps are given. The taxonomic status of *G. beatrix, G. poensis* (1st record from Cameroon) and *G. humeralis* is discussed.

Herholdt, E. M. (1989). A new distribution record for the Botswana long-eared bat in South Africa.

A new distribution record for *Laephotis botswanae*, the Botswana long-eared bat, is reported from the Waterberg area of the north-western Transvaal, based on four specimens collected over seven months. Some observations on the natural history of this species are made.

'n Nuwe verspreidingsrekord vir *Laephotis botswanae*, die Botswana-langoorvlermuis, gebaseer op vier eksemplare versamel oor 'n termyn van sewe maande, word gerapporteer vanaf die Waterberg-

distrik van die noordwes-Transvaal. Waarnemings rakende hierdie spesies se algemene biologie word ook genoteer.

Herlant, M. (1953). Etude comparative sur l'activité génitale des cheiroptères.

Etude comparée du tractus génital et de l'hypophyse chez un Megacheiroptère congolais, *Epomophorus anurus* et chez quelques Microcheiroptères indigènes, en particulier, *Myotis myotis* et *Rhinolophus ferrum equinum*.

Epomophorus anurus ne parait pas présenter de phase d'activité sexuelle bien nette et en toutes saisons, on trouve des femelles à divers stades de la gestation. Chez le mâle, la spermatogénèse paraît constante. Il n'a pas été possible, d'autre part, d'étudier le comportement de femelles adultes en dehors de la gestation ou de la lactation. La phase oestrale est apparemment de courte durée.

Cette activité génitale contraste très fortement avec celle de *Myotis myotis* qui est monœstral. De nombreuses femelles au terme de la gestation ont été capturées à la fin du mois de mai et des femelles lactantes en juin. La lactation est encore active à la fin du mois de juillet mais la glande mammaire a complètement régressé chez des femelles capturées à la fin de septembre. A cette époque, la maturation des follicules s'accélère mais le follicule destiné à se rompre au printemps suivant ne se différencie de ses congénères que durant la phase d'hibernation. Néanmoins, dès la fin du mois de septembre, nous avons trouvé des femelles de *Myotis myotis* et de *Rhinolophus ferrum equinum* fécondées.

L'hypophyse des Chéiroptères constitue un matériel de choix pour l'étude de la deuxième forme de cellules acidophiles. En comparant ces éléments chez *Epomophorus* où elles sont peu chromophiles, et chez *Myotis* où elles manifestent une-forte affinité pour l'érythrosine, on peut aisément conclure que ces éléments se différencient à partir des chromophobes et forment une souche distincte des cellules acidophiles classiques.

Les cellules érythrosinophiles ont des rapports étroits avec la gestation et la lactation. Chez *Epomophorus* comme chez *Myotis*, elles.sont rares et mal développées chez le mâle et la femelle impubère tandis qu'elles constituent les cellules les plus nombreuses chez la femelle gravide ou lactante, en outre chez *Myotis*, il a été possible de suivre leur involution progressive au cours du post-partum et de la phase œstrale automnale. L'étude de ces éléments chez les Cheiroptères confirme l'hypothèse suivant laquelle ces cellules sécrètent la prolactine.

L'hypophyse des Vespertilionides se prête très favorablement à la distinction entre les deux formes de cellules basophiles. Cette distinction est plus malaisée chez les Rhinolophides et chez *Epomophorus* par suite de la faible chrômophilie de ces éléments. Chez *Epomophorus* adulte, en toute saison dans les deux sexes, les cellules basophiles manifestent des signes d'activité secrétpire intense mais chez *Myotis*, ces éléments ont une évolution cyclique très nette, ils augmentent considérablement de nombre en automne et montrent des images d'activâîion en rapport avec la phase œstrale. On voit de plus chez cette espèce, que ces phénomènes affectent uniquement l'une des formes basophiles.

Herreid, C. F. and R. B. Davis (1966). Flight patterns of bats.

The time of the evining emergence and return of Tadarida brasiliensis mexicana is correlated with light conditions. ..... three annual emergence patterns in bats: (1)species without seasonal differences in emergence time in relation to sunset, (2)species which leave relatively later in the spring and fall and (3)species which emerge relatively earlier in the spring and fall. ...

Herselman, J. C. and P. M. Norton (1985). The distribution and status of bats (Mammalia: Chiroptera) in the Cape Province.

Distribution maps with notes on taxonomy, distribution and status, habits, food and breeding are presented for 29 species of bats occurring in the Cape Province of the Republic of South Africa. Comparisons are made between data from the survey, which lasted from 1976 to 1979, and specimens examined in South African museums. The main motivation for the survey was the conservation of bats. A high priority was placed on collecting from roosts. Some very scarce and endemic species were collected and many interesting new localities were recorded.

Verspreidingskaarte met aantekeninge oor die taksonomie, verspreiding en status, gewoontes, voedsel en aanteel van 29 species vlermuise wat in die Kaapprovinsie van die Republiek van Suid-Afrika voorkom, word aangebied. Vergelykings word gemaak tussen gegewens wat versamel is tydens die intensiewe opname, wat vanaf 1976 tot 1979 geduur het, en monsters wat bestudeer is in die groter Suid-Afrikaanse museums. Die motivering vir die opname was die bewaring van vlermuise, en 'n hoê voorkeur is geplaas op die versameling van data in die skuilplekke van elke spesie. Sommige van die baie skaars en endemiese spesies is versamel, en interessante nuwe voorkoms lokaliteite is gevind.

Herzig-Straschil, B. and G. A. Robinson (1978). On the ecology of the fruit bat, *Rousettus aegyptiacus leachi* (A. Smith, 1829) in the Tsitsikama Coastal National Park.

Field observations were carried out on *R. aegyptiacus* in the Tsitsikama Coastal National Park in the winter of 1974 and the summers of 1975 and 1976. The roost of the fruit bat population was a cave in the narrow gorge of the Storms river. The population was estimated at 3 000 bats. Activity during the night was found to be significantly longer in summer than in winter. The possible reaction of these bats to the commencement of activity to moon light conditions at the cave is discussed.

Food items (*Ekebergia capensis, Cassine crocea, Acokanthera oppositifolia* and *Viscum obscurum*) were established by direct observations or by identification of food remains and seeds in the guano.

Time of birth of infants was calculated from the forearm length of captured bats. According to these calculations parturition takes place during October to June with a peak in December.

Heuglin, Th. von and L. J. Fitzinger (1866). Systematische Uebersicht der Säugethiere Nord-Ost Afrika's, mit Einschluss der arabischen Küste, des rothen Meeres, des Somáli- und der Nilquellen-Lander, südwärts bis zum vierten Grade nördlicher Breite.

Die vorliegende Arbeit enthält eine Zusammenstellung sämmtlicher Säugethiere, welche seither in Nordost-Afrika und dem an das rothe Meer angrenzenden Theile von Arabien von den verschiedenen Naturforschern, die jene weitausgedehnten Länderstrecken bereisten, aufgefunden, beschrieben oder beobachtet worden sind; somit eine vollständige Säugethier-Fauna jener Länder.

Es ist dieselbe das Werk des rühmlichst bekannten Naturforschers und Reisenden Herrn Dr. Theodor von Heuglin, und größtentheils auf seine eigenen Beobachtungen gegründet, die er während einer längeren Reihe von Jahren auf mehrfachen und in den verschiedensten Richtungen unternommenen Reisen in jenen Ländern zu machen Gelegenheit fand.

Schon im Jahre 1859 habe ich der kais. Akademie der Wissenschaften über dieses höchst verdiensthche und für den Zoologen so wichtige Elaborat Bericht erstattet und einen kurz gefaßten Auszug aus demselben mitgetheilt, Welcher auch im XXXVI. Bande der Sitzungsberichte der mathematisch-naturwissenschaftlichen Classe im Drucke erschien; indem ich die Absicht hatte, dasselbe nach der mir vom Herrn Verfasser übertragenen Richtigstellung der Bestimmungen nach den von ihm gesammelten Original-Exemplaren und Ergänzung mit seinen auf einer späteren Reise gemachten Entdeckungen und gewonnenen Erfahrungen, ehestens in den akademischen Schriften zu veröffentlichen.

Eine neuerliche Reise des Herrn Dr. v. Heuglin in den Südosten von Afrika, welche eben in jene Zeit fiel, war die Ursache, daß ich die Veröffentlichung jener Arbeit damals unterließ, um auch die

Entdeckungen auf dieser neuesten Reise in dieselbe einzuschalten und ihr dadurch eine um so größere Vollständigkeit zu geben.

Nachdem dies geschehen und ich sonach den Wunsch des Herrn Verfassers erfüllt habe, glaube ich nicht mehr zögern zu dürfen, jene Arbeit zu veröffentlichen, welche ihrer Wichtigkeit wegen gewiß bei allen Zoologen freundliche Aufnahme finden wird und denjenigen Naturforschern , welche in der Folge das nordöstliche Afrika und den westlichen Theil von Arabien bereisen sollten, von wesentlichem Nutzen sein dürfte.

Ich wiederhole, was ich schon in meinem im Jahre 1859 an die kais. Akademie der Wissenschaften erstatteten Berichte ausgesprochen habe, daß ich an dieser Arbeit kein anderes Verdienst habe, als die Richtigstellung der Bestimmungen nach den vom Herrn Verfasser gesammelten und nun größtentheils im kais. zoologischen Hofcabinete zu Wien aufbewahrten Original-Exemplaren, die Sichtung der Synonymie und die Einschaltung der mir von ihm zugekommenen brieflichen Mittheilungen, sowie auch die Einreihung der den genannten Ländern eigenthümlichen Raçen von Hausthieren. Schließlich muß ich noch bemerken, daß von den unter den Synonymen angeführten beiden Heuglin'schen Schriften jene, welche den Titel "Fauna des rothen Meeres und der Somali-Küste" führt, in "Petermann's geographischen Mittheilungen" 1861, Heft I, die andere aber, welche unter dem Titel "Beiträge zur Kenntniß der Säugethiere" citirt ist, der ungünstigen Zeitverhältnisse wegen bis jetzt noch nicht erschienen ist.

Hill, J. E. (1963a). A revision of the genus *Hipposideros*.

The genus *Hipposideros* presents a wide range of morphological variation, and the characters of its numerous species rarely combine to indicate clearly defined natural groups or evolutionary trends. This revision, based chiefly on the features of the ears, noseleaf and skull, discusses the morphological criteria within the genus and its supraspecific groupings, recognizing seven species groups containing a total of forty-three species. These groups and their included species are described in some detail, with keys, and their probable relationships have been defined and discussed. These studies have suggested a less diffuse classification of *Hipposideros* than those proposed by earlier revisers, and indicate that despite the wide morphological dissimilarity of many of its species, the genus includes but three major evolutionary trends.

Hill, J. E. (1963b). Some notes on the *Pipistrellus ceylonicus* group, with the description of a new subspecies.

Brief notes are given on the historical and current classification of the members of the *Pipistrellus ceylonicus* group. The named forms hitherto referred to the group are considered to constitute a single species. *Pipistrellus ceylonicus*, which is recorded for the first time from Borneo with the description of a new subspecies.

Hill, J. E. (1964). Notes on a collection of bats from Figuig, Morocco.

Cet article rapporte la présence de *Tadarida teniotis rueppelli* au Maroc et de *Pipistrellus savii* en Algérie, les deux apparemment pour la première fois. II indique de nouvelles captures au Maroc d'*Eptesicus serotinus isabellinus, Pipistrellus kuhli kuhli, Pipistrellus savii* et *Plecotus austriacus* (?) *christei*. Notes historiques et taxinomiques.

Hill, J. E. (1965). Asiatic bats of the genera *Kerivoula* and *Phoniscus* (Vespertilionidae), with a note on *Kerivoula aerosa* Tomes.

Etude des statuts respectifs des genres *Kerivoula* et *Phoniscus*, lequel mérite le rang de genre. Les 9 espèces de *Kerivoula* en Asie sont recensées et le genre *Phoniscus* est revisé. Etude plus approfondie de *K. aerosa*, dite d'Afrique du Sud mais qui s'avère être un *Phoniscus* peut-être d'origine asiatique.

The relative status of the nominal genera *Kerivoula* and *Phoniscus* is examined and *Phoniscus* accorded generic rank. Nine species of *Kerivoula* are recognised in the Asiatic part of its range and these are briefly reviewed, while the named forms referable to *Phoniscus* are reviewed and an outline of the probable classification of this comparatively little known genus is presented. A further examination is made of *Kerivoula aerosa* Tomes, reputedly from South Africa. It is shown to be a *Phoniscus* and possibly may be of Asiatic origin.

Hill, J. E. (1966). The status of *Pipistrellus regulus* Thomas (Chiroptera, Vespertilionidae).

L'auteur fait une étude critique des spécimens originaux de *Pipistrellus regulus* Thomas du sud-ouest de l'Australie. Le type est une peau de *Chalinolobus morio* associée a un crâne d'*Eptesicus pumilus*, tandis que l'autre spécimen est une peau et un crâne de *Chalinolobus morio*. Pour remédier à cette confusion, le crâne du "specimen type" est designé comme "lectotype" de *Pipistrellus regulus* qui devient synonyme d'*Eptesicus p. pumilus*. De même, *Registrellus* Troughton, dont *Pipistrellus regulus* est l''espece type, tombe en synonymie avec *Eptesicus*.

A critical examination is made of the original specimens of *Pipistrellus regulus* Thomas from southwestern Australia. The type specimen is found to consist of a skin of *Chalinolobus morio* in association with a skull of *Eptesicus pumilus*, while the other specimen proves to be a skin and skull of *Chalinolobus morio*. To resolve this confusion, the skull of the "type specimen" is designated as the lectotype of *Pipistrellus regulus* so that this name becomes a synonym of *Eptesicus pumilus pumilus* and *Registrellus* Troughton, of which *Pipistrellus regulus* is the type species, falls to the synonymy of *Eptesicus*.

Hill, J. E. (1968). Bats from the Cameroons, with the description of a new species of *Pipistrellus*.

The small collection of bats from the Western Cameroons reported in this paper is complementary to the earlier detailed studies of the area and its fauna by Professor Martin Eisentraut (1957, 1963), who obtained the present collection. The majority of the species represented have already been recorded from the region but the new material now reported adds *Rhinolophus clivosus, Pipistrellus kuhlii* and *Tadarida ansorgei* to the known bat fauna of the Cameroons and additionally includes three specimens of a novel *Pipistrellus*, here described as *Pipistrellus eisentrauti* in honour of its collector.

Hill, J. E. (1974a). A review of *Laephotis* Thomas, 1901 (Chiroptera: Vespertilionidae).

The majority of specimens of *Laephotis* hitherto reported in the literature are allocated to the appropriate one of the four species recognized in the most recent study of this genus, and these are briefly reviewed. Female specimens of *L. wintoni* are recorded from Ethiopia, whence until now the genus has been unreported.

Hill, J. E. (1974b). A review of *Scotoecus* Thomas, 1901 (Chiroptera: Vespertilionidae).

The vespertilionid genus *Scotoecus* is reviewed in detail, and is considered to include four species, one, *pallidus*, from India, having been referred at one time to *Scoteinus* and more recently to *Nycticeius*. The three remaining, *albofuscus, hirundo* and *hindei* are African: evidence is brought forward to support the view that *hirundo* and *hindei* are specifically distinct, not conspecific as thought by the majority of modern authors. Both are reported for the first time from the Cameroon and from Ethiopia.

Hill, J. E. (1976). A note on *Pipistrellus rusticus* (Tomes, 1861) (Chiroptera, Vespertilionidae).

The African vespertilionid species *Pipistrellus rusticus* (Tomes, 1861) is reviewed in some detail and the subspecies *P. r. rnarrensis* Thomas & Hinton, 1923 recorded for the first time from Ghana, Cameroon and Kenya.

Hill, J. E. (1977a). A review of the Rhinopomatidae (Mammalia: Chiroptera).

The major diagnostic features of the microchiropteran family Rhinopomatidae are reviewed, with a detailed account of the sole included genus, *Rhinopoma*. Current taxonomic opinion in the genus is synthesized with the recognition and definition of three species.

Hill, J. E. (1977b). African bats allied to *Kerivoula lanosa* (A. Smith, 1847) (Chiroptera: Vespertilionidae).

The smaller of the African forms of *Kerivoula* with fringed interfemoral membrane are reviewed and discussed. They are referred to one species, *K. lanosa* (A. Smith, 1847), with *K. l. harrisoni* Thomas, 1901, *K.ll. muscilla* Thomas, 1906 and *K. l. lucia* Hinton, 1920 as valid subspecies. *Kerivoula harrisoni bellula* Aellen, 1959 is considered a synonym of *K. lanosa muscilla*.

Hill, J. E. (1980). The status of *Vespertilio borbonicus* E. Geoffroy, 1803 (Chiroptera: Vespertilionidae).

The taxonomic history of *Scotophilus borbonicus* (E. Geoffroy, 1803) from Reunion Island is reviewed and summarised, with the designation of a lectotype. The insular form that it represents is considered conspecific with the small *Scotophilus viridis* (Peters, 1852) of southern Africa. As a result, *Scotophihis borbonicus* becomes the valid name for this species, and will also replace *Scotophilus leucogaster* (Cretzschmar, 1830), if the small members of the genus from more northerly localities in Africa are united with their southern congeners.

Hill, J. E. (1982a). Records of bats from Mount Nimba, Liberia.

The Oxford Expedition to Mount Nimba, Liberia in 1978 retained a limited selection of the many bats caught and examined so that the identities of the species studied might be confirmed. These have been presented to the British Museum (Natural History) : the majority belong to species already established from Liberia by Kuhn (1965), Coe and Curry-Lindahl (1965) or Verschuren (1976) but a few represent species that have not been recorded from that country or are uncommon in collections.

Hill, J. E. (1982b). A review of the leaf-nosed bats *Rhinonycteris*, *Cloeotis* and *Triaenops* (Chiroptera: Hipposideridae).

The major taxonomic features of three hipposiderid genera, *Rhinonycteris, Cloeotis* and *Triaenops* are described and discussed. Where appropriate, species and subspecies are diagnosed and defined, with an indication of geographic variation.

Hill, J. E. (1983). Further records of bats from the Central African Republic (Mammalia: Chiroptera).

These notes supplement the detailed and comprehensive survey of the known bat fauna of the Central African Republic by Schlitter et al. (1982), with records of four further species hitherto unreported from that country.

Hill, J. E. (1993). Long-fingered bats of the genus *Miniopterus* (Chiroptera: Vespertilionidae) from Madagascar.

This paper reports and reviews bats of the genus *Miniopterus* from Madagascar. Further specimens of *M. minor manavi* and *M. schreibersii majori* are discussed and measured, and earlier informal records of *M. fraterculus* and *M. inflatus* are substantiated.

Cet article fait le point sur les chauves-souris du genre *Miniopterus* de Madagascar. De nouveaux spécimens de *M. minor manavi* et *M. schreibersii majori* sont considérés et mésures et d'anciennes données concernant *M. fraterculus* et *M. inflatus* sont presentées et discutées.

Hill, J. E. and D. L. Harrison (1987). The baculum in the Vespertilioninae (Chiroptera: Vespertilionidae) with a systematic review, a synopsis of *Pipistrellus* and *Eptesicus*, and the description of a new genus and subgenus.

Current classification of the Vespertilioninae rests chiefly on a suite of mainly adaptive characters, among which facial shortening throughout the subfamily with consequent changes in the structure, size, relative position and number of the incisive and premolar teeth features prominently. Such characters may not necessarily reflect relationships or phyletic diversity, and sometimes do not serve properly to distinguish the genera that they purport to define, as in the distinction of *Pipistrellus* and *Eptesicus*, where generic boundaries remain unclear. The search for possibly less strongly adaptive features suggested the possibility that the morphology of the os penis or baculum might prove valuable in the study of the systematics of these genera and perhaps in the subfamily as a whole.

This paper reviews earlier studies of the baculum in the Chiroptera and their relevance to systematics in the Order, with an examination ofits gross morphology throughout the Vespertilioninae, especial attention being given to species currently allocated either to *Pipistrellus* or to *Eptesicus*. A synoptic review of the species content of these genera is presented, with the recognition and definition of subgenera and included species groups: three such (*pumilus, capensis* and *tenuipinnis*) currently referred to *Eptesicus* on dental grounds seem instead more closely related to *Pipistrellus* to which they are here transferred. One subgenus of *Pipistrellus* is described as new (p. 250).

The Vespertilioninae as a whole display a wide range of bacular variation, which falls into two major and several minor groups. This has suggested a revision of the current classification of the subfamily, combining bacular features with those conventionally in use. Bacular morphology provides a clear indication that the 'Nycticeini' (or 'Nycticeiini') is an artificial grouping and that the genus *Nycticeius* as presently understood is composite. Currently it is held to include two species, the North American *humeralis* and the African *schlieffenii*: these are here thought to be sufficiently characterised to justify generic separation and a new generic name is proposed for *schlieffenii* (p. 254).

A suggested classification of the subfamily is presented, with a tabulated review of earlier classifications; possible relationships between the constituent genera are discussed and the zoogeography of the bacular types within the subfamily is examined.

Hill, J. E., D. L. Harrison and T. S. Jones (1988). New records of bats (Microchiroptera) from Nigeria.

Specimens of bats accessed recently to the collections of the British Museum (Natural History), London (BM(NH)) and the Harrison Zoological Museum, Sevenoaks (HZM) include examples of three species hitherto not recorded from Nigeria, whence at least 71 species of Chiroptera are already known to occur (Happold 1987).

Hill, J. E. and P. Morris (1971). Bats from Ethiopia collected by the Great Abbai expedition, 1968.

The Great Abbai Expedition obtained 115 specimens of bats (including cave remains), chiefly from the Blue Nile Gorge or from the Awash National Park. One specimen from the Blue Nile Gorge proves to represent a new species closely allied to *Myotis tricolor*, for which the name *Myotis morrisi* is proposed. Specimens in the collections of the British Museum (Natural History) and also others collected by the Expedition confirm the presence of *Micropteropus pusillus* in Ethiopia; *Triaenops persicus afer* and *Glauconycteris variegata variegate* were obtained for the first time in Ethiopia by the Great Abbai Expedition, which also obtained further specimens of *Asellia patrizii* and *Tadarida nigeriae nigeriae*; a few specimens in the British Museum (Natural History) obtained from other sources and reported in this paper furnish the first Ethiopian records of *Rhinolophus simulator, Tadarida Africana* and *Tadarida acetabulosus*, and of *Otomops martiensseni* in French Somaliland (Territory Afars and Issas). The classification of *Taphozous perforatus, Hipposideros caffer* and *Hipposideros rubber* is reviewed. *Rhinolophus simulator* Andersen, 1904 and *Rhinolophus alticolus* Sanborn, 1936 are considered to be conspecific

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Hill, J. Eric (1937). Two new bats, *Eptesicus* and *Mops*, from Angola.

In the collection of mammals from Angola, secured by the Vernay Angola and Phipps-Bradley Expeditions, are two bats apparently new to science.

Hill, J. Eric (1942). A new bat of the *Rhinolophus philippinensis* group from mount Ruwenzori, Africa.

In the collection secured by the Ruwenzori-Kivu Expedition (Chapin, Sage, Mathews) of the American Museum there is an undescribed horseshoe-nosed bat.

Hill, J. Eric and T. D. Carter (1941). The mammals of Angola, Africa.

The mammals collected by the Vernay Angola and the Phipps-Bradley Expeditions of the American Museum in Angola, add considerably to what was known of the fauna of that part of Africa. Several new forms have been described from these collections, and a number of hitherto unrecorded species have been discovered to occur in Angola, but one of the most important results of these collections was the securing of good series of many species and races that were previously poorly represented in the Museums of the world.

In addition to the material in the collections of the American Museum, a number of Angolan mammals were loaned for examination by the Carnegie Museum, Pittsburgh. During the autumn and winter of 1937-1938, Hill, assisted by Mrs. Hill, examined and photographed most of the types and other important material from Angola in five European Museums: The Rijksmuseum van Natuurlijke Historie, Leiden; the Zoologisches Museum der Universitat, Berlin; the Museum National d'Histoire Naturelle, Paris; the Musée du Congo Belge, Tervueren; and the British Museum (Natural History), London. This study, extremely helpful in the identification of questionable specimens, was undertaken under a grant from the Carnegie Corporation of New York.

Acknowledgments are due Dr. Harold E. Anthony, Curator of Mammals, The American Museum of Natural History, for the opportunity to work on these collections, and for helpful criticism and advice; Mr. Rudyerd Boulton of the Field Museum of Natural History, for assistance in identifying Angolan localities and photographs; Dr. A. Avinoff, Director, and Mr. J. Kenneth Doutt of the Carnegie Museum, for the loan of specimens from Angola. Dr. H. Boschma and Dr. G. C. A. Junge of the Leiden Museum; Dr. H. Pohle of the Berlin Museum; Professor E. Bourdelle and Dr. Paul Rode of the Paris Museum; Dr. H. Schouteden of the Congo Museum; Mr. Martin A. C. Hinton, Mr. T. C. S. Morrison-Scott, and Mr. G. W. C. Holt of the British Museum, extended every courtesy and assistance possible in the studying of type specimens in the collections of those institutions.

The Vernay Angola Expedition was given to the Museum by Mr. Arthur S. Vernay, who has done so much for this institution. Messrs. Herbert Lang and Rudyerd Boulton, collectors, went to Angola in April, 1925, and remained there for about three months. Landing at Lobito, near Catumbela, a few animals were secured here. The expedition went to Hanha Estate (not the Hanha usually given on maps), an oil palm plantation near the coast, some thirty-two kilometers north of Lobito. The party then went south by way of Huambo where they were joined by Messrs. A. S. Vernay, Alan and Charles Chapman. Mr. Vernay, with Lang and Charles Chapman, went to Mossamedes and collected at Pico Azevedo and 101 km. east of Mossamedes; they returned eastward over the high escarpment to Capelongo, and side excursions of 40 and 65 km. south of that locality were undertaken for large game by Mr. Vernay and C. Chapman. Mr. Boulton and Alan Chapman went to Quipungo, Chipopia, and Luvando. At the end of August the expedition united at Capelongo and returned by way of Caconda to Huambo, where several animals were secured. At Huambo the party again divided; Mr. Vernay, Lang, and Alan Chapman went to Chitau. Mr. Lang remained in Chitau and collected numerous specimens. Mr. Vernay and his guide, Alan Chapman, went across the Cuanzo and hunted sable antelope and other species in the region around Chissonque, 20 to 35 km. east of the river. A few small mammals were secured near this locality also. Meanwhile Boulton and Charles Chapman went to Namba in the Mombolo region.

The Phipps-Bradley Expedition was donated by Mr. John H. Phipps, who also organized and managed the expedition. Mr. Lee S. Bradley, collector, went first to Angola and began working at Caporolo, inland from- Bengela, July 2, 1932, and remained there for about two weeks. He went from Caporolo to Chitau, where he began collecting August 18. Leaving there near the end of September, he went to Mulondo and collected from October 17 to 24. From Mulondo, Mr. Bradley went to Humpata, where a large collection of small mammals was made in the period between October 26 and December 8. He returned to Chitau and stayed there from February 9 to March 17. Returning to the coast, Mr. Phipps joined the party and they went to Mossamedes region where a few gemsbok were secured. A trip was made to the higher part of Mount Moco the first part of June, and several specimens were collected at the Hanya River on July 2 and 3. In August the party hunted near Quissongo, Libolo region.

The Vernay Angolo Expedition secured approximately 1300 specimens, and the Phipps-Bradley Expedition brought back more than 1000. The two collections combined give a very representative picture of the mammalian fauna of Angola, at least of the southwestern quarter of that country. In addition several specimens were donated by Mr. H. F. Varian and fifty mammals were purchased from Mr. C. P. Chapman, collected at Chipepe, Namba, and Monte Victoria Verdun.

Throughout this paper the color nomenclature used is that of Ridgway, 1912, "Color Standards and Nomenclature," except for color names in lower case. Comparisons were made in diffused daylight with his standards. Measurements are of adults, unless otherwise noted, and were taken with dial calipers reading to tenths of a millimeter in the case of the smaller measurements (under 150 millimeters). Larger measurements were taken with outside calipers and steel tape. Measurements of head and body were usually obtained by subtracting tail length from total length as recorded by the collector. Where questions existed as to the accuracy of the original measurements of the hind foot, checks were made on the dried skins. And, if greater discrepency was found than that to be expected from shrinkage, the measurements from the dried specimen were substituted with a note to that effect.

Photographs of specimens and several of the types of country in which collections were made, were those taken by Mr. Herbert Lang, Mr. Rudyerd Boulton, and Mr. Arthur Vernay on the expedition. The line drawings were made by Miss Helen Hunt, and were made possible by generous financial assistance from Mr. Vernay.

Hodgson, B. H. (1835). Synopsis of the Vespertilionidae of Nipal.

I have the pleasure to forward to you herewith the names and characters, which I have provisionally affixed to the Vespertilionidæ of the central region of Nipal. Without access to large museums and libraries, it is scarcely necessary to observe that the naming and defining of species can be but very imperfectly performed.

Hoesch, W. and E. von Lehmann (1956). Zur Säugetier-Fauna Südwestafrikas.

Als erstes möchte ich allen denjenigen danken, die mir die Erfüllung eines langjährigen Wunsches ermöglichten, an der Bearbeitung einer von mir in Süd-Westafrika zusammengebrachten Kleinsäuger-Sammlung mitzuhelfen und die Ergebnisse für eine Untersuchung des Anpassungsproblems auszuwerten, Mein Dank gilt der Deutschen Forschungsgemeinschaft, die mir ein mehrmonatliches Arbeiten am Museum A. Koenig, Bonn, finanziell ermöglichte, dem Direktor dieses Museums, Herrn Prof. Dr. von Jordans, sowie dem Leiter der Säugetier-Abteilung, Herrn Dr. H. Wolf. - Eine Reihe wertvoller Literatur-Nachweise und sonstiger Informationen für den Teil meiner Arbeit, der sich mit dem Anpassungsproblem beschäftigt, verdanke ich dem Leiter der ornithologischen Abteilung des Museums A. Koenig, Herrn Dr. G. Niethammer, von dem auch ein Teil des bearbeiteten Balg-Materials gelegentlich eines früheren Aufenthalts in Südwest gesammelt wurde. Dank des Entgegenkommens des Leiters des Übersee-Museums in Bremen, Herrn Dr. H. O. Wagner, konnten die für dieses Museum von mir in Südwest gesammelten Bälge für die Arbeit ebenfalls mit herangezogen werden.

Der Stoff wurde so zwischen uns aufgeteilt, daß v. Lehmann die Systematik und Hoesch die Ökologie und Biologie der Säugetiere Südwestafrikas bearbeitete, ohne daß die betreffenden Abschnitte im speziellen Teil jeweils mit unseren Namen gekennzeichnet wurden.

Höhne, K., B. Loose and H. P. R. Seeliger (1975). Isolation of *Listeria monocytogenes* in slaughter animals and bats of Togo (West Africa).

Grâce à des cultures sur milieu d'enrichissement pendant six semaines à 4° C, l'examen des 342 animaux sains sacrifiés à l'abattoir municipal de Lomé a permis d'isoler 8 fois *L. monocytogenes* à partir de ganglions mésentériques (chez deux porcs, cinq petits ruminants et un bœuf). Toutes les souches ont été identifiées comme sérovar 1/2a. Par ailleurs, sur 236 chauves-souris examinées, trois se sont révélées porteuses de *L. monocytogenes*; ces souches ont été étiquetées sérovar 4b (deux souches) et sérovar 1/2a (une souche).

Une étude de la littérature disponible a montré que ces isolements de *L. monocytogenes* sont les premiers en Afrique de l'Ouest. Ils sont discutés à la lumière des connaissances actuelles sur la présence de *L. monocytogenes* chez certaines espèces animales et sur les conséquences qui peuvent en découler pour l'homme.

Listeria monocytogenes was isolated from the intestinal lymph nodes of 8 out of 342 apparently healthy slaughter animals at the municipal abattoir in Lome (Togo) and from the faeces of 3 out of 236 bats. Except two strains of serovar 4b isolated from bats, all the nine others belonged to serovar 1/2a. The positive findings of slaughter animals were made from the carcasses of 2 pigs, 5 little ruminants and 1 cattle.

The findings are discussed in the light of present knowledge on the occurrence of *L. monocytogenes* in some species of animals and its implications for the human being.

Listeria monocytogenes; Togo; Cattle; Chiroptera; Mesenteric lymph node; Isolation; Epidemiology

Hollar, L. J. and M. S. Springer (1997). Old world fruitbat phylogeny: Evidence for convergent evolution and an endemic African clade.

Knud Andersen (1912, *Catalogue of the Chiroptera in the Collections of the British Museum: I. Megachiroptera*, British Museum of Natural History, London) divided Old World fruitbats (family Pteropodidae) into the rousettine, cynopterine, epomophorine, eonycterine, and notopterine sections. The latter two sections comprise the subfamily Macroglossinae; members of this subfamily exhibit specializations for nectarivory (e.g., elongated, protrusible, brushy tongues) and cluster together in cladistic analyses based on anatomical characters. Other evidence, including single-copy DNA hybridization, suggests that macroglossines are either paraphyletic or polyphyletic; this implies that adaptations for pollen and nectar feeding evolved independently in different macroglossine lineages or were lost in nonmacroglossines after evolving in a more basal common ancestor. Hybridization data also contradict Andersen's phylogeny in providing support for an endemic African clade that includes representatives of three of Andersen's sections. Here, we present complete mitochondrial 12S rRNA and valine tRNA gene sequences for 20 pteropodids, including representatives of all of Andersen's sections, and examine the aforementioned controversies. Maximum likelihood, minimum evolution, and maximum parsimony analyses all contradict macroglossine monophyly and provide support for an African clade that associates *Megaloglossus* and *Lissonycteris* and those two with *Epomophorus*. In conjunction with the DNA hybridization results, there are now independent lines of molecular evidence suggesting: (i) convergent evolution of specializations for nectarivory, at least in *Megaloglossus* versus other macroglossines, and (ii) a previously unrecognized clade of endemic Africa taxa. Estimates of divergence time based on 12S rRNA and DNA hybridization data are also in good agreement and suggest that extant fruitbats trace back to a common ancestor 25 million to 36 million years ago.

Hollister, N. (1918). East African mammals in the United States National Museum. I. Insectivora, Carnivora and Chiroptera.

Many special papers on the extensive collection of mammals from Eastern Equatorial Africa preserved in the United States National Museum have been published since the accumulation of this material began. These papers have been written by various specialists, and for the greater part consist of descriptions of new forms or reports on the collections of certain expeditions. No attempt has before been made to furnish a list of all the material in the museum, based on what amounts to monographic work in each group and careful identification of every specimen. Such a list is the basis of the proposed work of which the present section is the first part. It is hoped that the entire East African collection can be listed in a similar manner in a bulletin completed in three parts. Part I consists of the reports on the insectivorous mammals (Order Insectivora), the bats (Order Chiroptera), and the carnivores (Order Carnivora).

In addition to the lists of specimens carefully determined according to modern standards of systematic mammalogy, pertinent notes which seem worthy of preservation for future workers on the taxonomy and life histories of East African mammals are presented under the various generic, specific, and subspecific headings. What it is hoped will prove even more useful to systematic mammalogists are the extensive tables of measurements of individual specimens which have been made as a basis for preliminary work in each group, and which are published with the report.

The material in the collection, consisting almost wholly of well-prepared specimens with accurate data, has been assembled during many years from numerous sources. While many sections of the area treated are almost unrepresented in the collection by specimens of most groups, the mass of material accumulated from certain large areas far surpasses in numbers and importance that preserved in any other museum. This is the natural result of the efforts of the competent field naturalists who accompanied the larger and more extensive expeditions, and the foresight and energy of the museum authorities in the organization and maintenance of the work.

Hood, C. S. and R. J. Baker (1986). G- and C-banding chromosomal studies of bats of the family Emballonuridae.

Extent and nature of chromosomal change among nine species representing six genera (*Saccopteryx, Rhynchonycteris, Diclidurus, Balantiopteryx, Cormura*, and *Taphozous*) were examined using data from G- and C-banded chromosomes. Heterochromatin was restricted to centromeric regions in most taxa; extensive additions of C-positive material occurred in *Balantiopteryx* and *Cormura*. Comparisons of G-bands of euchromatic arms revealed considerable variation in G-band pattern and imply extensive chromosomal evolution among emballonurid species. Outgroup comparisons of G-band karyotypes proposed as primitive for several families of bats failed to reveal conserved G-band patterns, thus limiting the usefulness of differentially stained chromosomal data for resolving phylogenetic relationships of the Emballonuridae. The karyotype of *Cormura brevirostris* includes an extraordinarily large X chromosome that is mostly euchromatic. Evolution of the X chromosome and the nature of the sex-determining system in *Cormura* are unclear, but the species appears to possess a unique sex chromosome mechanism

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Hoogstraal, H. (1956). African Ixodoidea. I. Ticks of the Sudan. (With special reference to Equatoria Province and with preliminary reviews of the genera *Boophilus*, *Margaropus* and *Hyalomma*).

The primary objective of Volume I of this series of studies is to present our research on Sudanese ticks, including a critical survey of published worldwide information concerning each species. This has been attempted with reference to; (a) distribution in the Sudan and elsewhere, (b) hosts, (c) biology, and (d) identification. The secondary objective is to provide a suitable background for subsequent volumes presently in preparation. These studies will include all economically important tick species of Africa and all diseases and injuries associated with them.

The present report is intended to serve the tyro and specialist alike, and should provide a sound source of information for those who compile textbooks and review literature. Special attention is invited to the introductory paragraphs in section IV, pages 43 to 47, in which presentation methods and handling of data are elucidated, and to the fact that mention of disease relations herein are merely cross-referencing for subsequent volumes.

It should be stressed that most tick species of known or potential medical or veterinary importance of the Ethiopian Faunal Region (see Figure l) are found in the Sudan and are treated in the present report. Those few species that do not occur in the Sudan will be treated in a forthcoming volume, entitled "The Economically Important Ticks of Africa." Therefore, pertinent facts concerning all known species of medical and veterinary importance of continental Africa will be included in these two reports. Also included in the forthcoming volume will be maps of the distribution of each species in the Sudan, as well as in other African regions and elsewhere in the world. Subsequent volumes will be entitled: "Human Tick-Borne Diseases and Injuries in the Ethiopian Faunal Region" and "The Biological Relationships of African Ticks and Veterinary Diseases." Since a year or more will probably elapse between the publication of each volume, additional material concerning species previously treated will be presented in each new section in an effort to bring the pertinent information up-to-date.

The primary purpose of the report on veterinary diseases, mentioned above, is to present the biological relationships of ticks to these diseases in order to provide a better working knowledge for basic research in hviman diseases. It is also intended that this section will be of use to veterinarians in the area concerned.

Possibly one of the greatest general criticisms of contemporary literature on African ticks is that the reader obtains the impression that specialists' knowledge is usually more or less complete with respect to identification, biology, hosts, and distribution. When first considering the study of African ticks, I was told by several scientists that these parasites were so well known and so easily identified that there would be little to do that could not be accomplished in short order! Quite the contrary proved to be true; and it was soon realized how much specialized and practical information on African ticks is lacking. The best expectation for this undertaking is that the numerous indications for existing queries, problems, and lacunae in or information on African ticks will stimulate readers to seek out additional

data. It is also hoped that this work will provide a useful body of information for authors of textbooks and teaching manuals. Towards these ends, every effort has been made to present and review data as correctly as possible. Should errors occur, it will be appreciated if readers call them to my attention for inclusion in errata in subsequent volumes.

Hoogstraal, H. and G. M. Kohls (1967). Bat ticks of the genus *Argas* (Ixodoidea, Argasidae). 7. *A*. (*Chiropterargas*) *cordiformis*, new species, a heart-shaped parasite from South-West Africa.

Nymphs of *Argas (Chiropterargas) cordiformis*, new species, and larvae presumed to represent this species are described. Larval hosts were *Nycteris thebaica damarensis* Peters in the Uis tin mine, Omaruru District, South-West Africa. The larva resembles those of *A. (C.) boueti* Roubaud and Colas-Belcour and of *A. (C.) confuses* Hoogstraal. The nymph differs from those of these species chiefly in the remarkable cordiform body shape and in the absence of posterior paired organs

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Hoogstraal, H. and R. Traub (1963). The fleas (Siphonaptera) of Egypt. Host-parasite relationships of Insectivora and Chiroptera.

Synosternus pallidus is the typical flea of all Egyptian hedgehogs (*Hemiechinus* and *Paraechinus*) practically wherever these animals occur. *Echidnophaga gallinacean* is also common on hedgehogs but more restricted in its geographis range. Infestation of these animals by other flea species is insignificant.

Host specific fleas of shrews (*Crocidura*) apparently are not present in Egypt and fleas are rare or absent on shrews here. *Crocidura olimeri* is infested by fleas usually parasitic on the Nile Grass Rat, *Arvicanthis n. niloticus*.

Only bats that rest in sizeable colonies have been found infested by fleas in Egypt and the rate and incidence of infestation is usually low. The four species of the Family Ischnopsyllidae parasitic on bats in and near the Nile Valley and Delta are *Chiropteropsylla aegyptia, C. brockmani, Araeopsylla gestroi*, and *A. wassifi*. Another, *Ischnopsyllus consimilis*, occurs chiefly in more humid coastal areas where it parasitizes *Pipstrellus k. kuhli*, Nile Valley colonies of which harbor no fleas.

Hoogstraal, H., K. Wassif and M. N. Kaiser (1957). Results of the Namru-3 Southeastern Egypt Expedition, 1954.

The following mammals were collected during the NAMRU-3 Southeastern Egypt Expedition, 1954: *Paraechinus a. aethiopicus, Asellia t. tridens, Ictonyx striatus erythreae, Vulpes r. rüppelli, Genetta g. senegalensis, Procavia capensis burtoni, Gazella dorcas* subsp., *Lepus capensis isabellinus, Jaculus j. elbaensis, Gerbillus (G.) pyramidum* subsp., *Gerbillus (G.) g. gerbillus, Gerbillus (Dipodillus) h. henleyi, Gerbillus (D.)* spp. (2), *Gerbillus (D.) calurus, Meriones crassus pallidus*, and *Acomys cahirinus dimidiatus*. In addition, records of the following mammals from this area are provided; *Felis caracal* and *Proteles cristatus*. Two others, *Dugong dugong* and *Capra ibex nubiana*, are known to exist here, while *Equus asinus taeniopus* is suspected to be present and legends of *Ammotragus lervia ornatus* and *Panthera pardus* exist among the tribes of this area. Also collected near Aswan but not in Southeastern Egypt were *Vulpes v. aegyptiaca* and *Gerbillus p. pyramidum*.

These mammals are mostly Palaearctic in ongin and the most valuable indicator species, rodents and insectivores, are entirely so. Only the more primitive hyrax and a few of the more mobile carnivores and the hare and bat are definitely Ethiopian.

Several of these mammals have not previously been recorded from Egypt and the known distributional range of others is considerably extended. Data for parasitism by ticks, fleas, streblids, and hippoboscides are presented and the potential of vector-borne diseases in Southeastern Egypt is briefly discussed.

Horácek, I. (1990). Enigma of *Otonycteris*: Relationship, phylogeny, ecology. Abstract.

The paper is intended to discuss what does genus *Otonycteris* represents in frame of the Palearctic bat fauna and which is its position among the vespertilionid bats. Some field experiences with *Otonycteris hemprichi* are reported together with results of morphometrical studies undertaken with extensive museum materials and fossils related to the genus.

The recent genus is apparently monotypic. No substantial geographic differences were found in support to subspecific status of the forms named within the species (i.e. *jin, ustus, cinereus* etc.). Close relationship between *Otonycteris* and MN 12 *Samonycteris majori* has been confirmed. A resemblance among both the taxa and the fossil forms referred to *Scotophilus* (Steinheim, Anwil, Djebel Zelten) and/or to *Eptesicus serotinus* group (Sansan, Suchamasty 3) indicates a possible relationship.

Appearance of *Samonycteris*, undoubtedly an ancestor of *Otonycteris*, in the W-Palearctic is synchronous with extensive spread of eremial biome associated with the Messinian (cf. also the author's unpublished record of Rhinopomatidae in MN11 locality Elaiochoria 2, N-Greece).

Otonycteris is an inhabitant of the temperate zone rocky deserts. Its ecology exhibits a number of respective adaptations including those responding food supply in such habitats. Feeding on vertebrate prey (suggested e.g. by Norberg & Fenton 19SS) has not been observed, but it cannot be excluded. Field observations as well as dental adaptations of *Otonycteris* indicate a carnivorous-like foraging pattern (cf. slow narrow flight, close to ground, low frequency echolocation with a low repetition rate, well pronounced sensitivity to external acoustic stimuli, etc.,). Not only in these respects but in number of morphological characters, *Otonycteris* closely resembles *Antrozous*. The similarity is considered to be a product of the parallel adaptation strategies in different but related clades. Affinities of *Antrozous* seems to be with *Nycticeius* (not with Nyctophilini as often suggested), while *Otonycteris* seems to be related to Scotophilus and/or *Hypsuqo*. Both the clades are considered to be sister groups of *Eptesicus*.

Horácek, I. and V. Hanák (1986). Generic status of *Pipistrellus savii* and comments on classification of the genus *Pipistrellus* (Chiroptera, Vespertilionidae).

Pipistrellus savii and several other species are placed into a separate genus *Hypsugo*. New diagnoses are proposed for *Pipistrellus, Hypsugo* and *Eptesicus*.

Hosken, D. J. (1998). Testes mass in megachiropteran bats varies in accordance with sperm competition theory.

Sperm competition is a widespread phenomenon influencing a range of characters, including investment in gonadal tissue. Conspecific proximity is one factor which can influence the risk of sperm competition and hence testicular investment, and decreased confidence of paternity may be one cost of group living. Aspects of female biology may also influence spermatogenic investment and sperm morphology. This study examines the associations between relative testes mass and roost-group size across 17 species of Megachiroptera. Associations between breeding season duration and investment in spermatogenesis are also examined, as are associations between female reproductive tract dimensions and testes mass and dimensions of spermatozoa across all bats. Relative testes mass was significantly positively associated with roost-group size at a species level and after appropriate phylogenetic control (pairwise comparisons and comparison of independent contrasts). There were no significant relationships between breeding season duration and relative testes mass. Across all bats, neither testes mass nor sperm length were significantly related to dimensions of the female tract. The results are discussed in the context of sperm competition.

Howard, C. W. (1908). A list of the ticks of South Africa, with descriptions and keys to all the forms known.

There are probably none of the external parasites of domestic animals of more importance to the stock raiser in South Africa than the ticks, owing to the large number of diseases which they transmit from animal to animal. The ticks of South Africa have, however, only been studied with regard to their connection with the transmission of diseases, and very few people are aware of the distinction between the various species and the various forms of the same species.

With a view to throwing a little more light on these creatures, and mainly of assisting the work of those interested in the study of the diseases referred to, a study of the ticks of South Africa was taken up by me about three years ago while in the Transvaal. Since then a large number of the life histories of these ticks have been worked out, and their immature stages carefully studied and compared. There are still many species which I have not been able to see owing to the rareness with which they occur, but in such cases I have compiled1 the literature from other authors and placed it in such shape as I consider will prove useful to the South African workers. There is still an immense amount of work to be done on this subject, and my only plea for placing this paper before the public is in the hopes that it will arouse more interest in such studies, and consequently advance the work.

Hubert, B. and W. Böhme (1978). Karyotype of *Gerbillus pyramidum* I. Geoffroy (Rodentia, Gerbillidae).

Gerbillus pyramidum is reported from Senegal for the first time. The external and cranial measurements and karyotype of the female specimen are presented.

Hutcheon, J. M., J. A. W. Kirsch and J. D. Pettigrew (1998). Base-compositional biases and the bat problem. III. The queston of microchiropteran monophyly.

Using single-copy DNA hybridization, we carried out a whole genome study of 16 bats (from ten families) and five outgroups (two primates and one each dermopteran, scandentian, and marsupial). Three of the bat species represented as many families of Rhinolophoidea, and these always associated with the two representatives of Pteropodidae. All other microchiropterans, however, formed a monophyletic unit displaying interrelationships largely in accord with current opinion. Thus noctilionoids comprised one clade, while vespertilionids, emballonurids, and molossids comprised three others, successively more closely related in that sequence. The unexpected position of rhinolophoids may be due either to the high AT bias they share with pteropodids, or it may be phylogenetically authentic. Reanalysis of the data with varying combinations of the five outgroups does not indicate a rooting problem, and the inclusion of many bat lineages divided at varying levels similarly discounts long branch attraction as an explanation for the pteropodid-rhinolophoid association. If rhinolophoids are indeed specially related to pteropodids, many synapomorphies of Microchiroptera are called into question, not least the unitary evolution of echolocation (although this feature may simply have been lost in pteropodids). Further, a rhinolophoid-pteropodid relationship - if true - has serious implications for the classification of bats. Finally, among the outgroups, an apparent sister-group relation of Dermoptera and Primates suggests that flying lemurs do not represent the ancestors of some or all bats; yet, insofar as gliding of the type implemented in dermopterans is an appropriate model for the evolution of powered mammalian flying, the position of *Cynocephalus* in our tree indirectly strengthens the argument that true flight could have evolved more than once among bats.

Hutterer, R. (1984). I. Säugetiere.

A short review is given of the history and the development of the mammal section of the Museum Alexander Koenig and its collections. A. Koenig collected mammals since 1875 for his private collection which later became part of the museum collections. The department of mammalogy was

founded in 1935. Since then activities in Europe, Asia and Africa have resulted in a considerable enlargement of the mammal collections which hold more than 30 000 specimens. In 1978 most of the historical collections of the Göttingen Museum were transferred to Bonn. The type specimens of this old collection are included in the present catalogue. The type catalogue lists syn-, holo-, lecto- and paratypes of eighty mammalian names. A lectotype is designated for *Mus sylvaticus maximus* Burg, 1925.

Hutterer, R., F. Dieterlen and G. Nikolaus (1992). Small mammals from forest islands of eastern Nigeria and adjacent Cameroon, with systematical and biogeographical notes.

26 species of insectivores, bats and rodents are recorded from the Gotel Mts and the Mambilla Plateau in eastern Nigeria and adjacent Cameroon. These mountain ranges carry relict forests representing distribution islands for many vertebrate species. 8 species of mammals are recorded for the first time from Nigeria, one bat from Cameroon, and a new subspecies of *Praomys hartwigi* is described. The taxonomic status of several forms is discussed and full species rank is proposed for *Sylvisorex camerunensis, Hylomyscus grandis* and *Lophuromys eisentrauti*. The insectivore and rodent faunas of nine mountain areas within the Cameroon Mountains system are analyzed and the result is presented in the form of an area cladogram.

Hutterer, R. and U. Joger (1982). Kleinsäuger aus dem Hochland von Adamaoua, Kamerun.

35 Kleinsäugearten werden aus dem Hochland von Adamaoua (Kamerun) gemeldet. Erstnachweise für Kamerun sind *Suncus infinitesimus, Crocidura boydi, C. roosevelti, Eptesicus guineensis, Aethomys hindei* und *Uranomys niddi*. Artstatus wird *Crocidura attila* und *Aethomys stannarius* gegeben, und die Merkmale von *Aethomys stannarius* und *Aethomys hindei* werden beschrieben. - Die Säugetierfauna des Westkameruner Montanblocks besteht zu einem großen Teil aus ostafrikanischen Arten und aus Endemiten.

35 species of small mammals are recorded from the Adamaoua hignlands of Cameroun. Six represent first records from Cameroun: *Suncus infinitesimus, Crocidura boydi, C. roosevelti, Eptesicus guineensis, Aethomys hindei* and *Uranomys ruddi*. *Crocidura Attila* and *Aethomys stannarius* are raised to specific rank, and the characters of *Aethomys stannarius* and *Aethomys hindei* are described. - A considerable amount of mammals of the Cameroun mountains are East African species and endemics.

35 espèces de petits mammifères sont signalés du plateau de l'Adamaoua (Cameroun). *Suncus infinitesimus, Crocidura boydi, C. roosevelti, Eptesicus guineensis, Aethomys hindei* et *Uranomys ruddi* sont cités du Cameroun pour la première fois. Le rang d'espèce est donné à *Crocidura attila* ainsi qu'à *Aethomys stannarius*. Les charactères spécifiques d'*Aethomys stannarius* et d'*Aethomys hindei* sont décrits. - Une grande partie des mammifères de la faune montagnarde camerounaise se constitue de formes est-africaines ou bien endémiques.

Hutterer, R. and J. C. Ray (1997). Bat predation by small carnivores in a central African rainforest.

Fragments of four species of bats (*Mops* cf. *spurrelli, Nycteris arge, Hipposideros cyclops, H. ruber* were identified in scats of small carnivores collected in a tropical rainforest of Central African Republic. For all four species the Dzanga forest constitutes the second locality record in this country. Genets (*Genetta servalina*) and long-nosed mongoose (*Herpestes nasa*) were identified as the predator species. Bats occurred in only 0.4 % of the scats analyzed. The few examples refer to bat species which roost solitarily or in small groups. Their presence in the scats can be attributed to chance encounters. Large bat colonies seem to be rare or inaccessible in the study area.

Hutton, J. M. (1986). The status and distribution of bats in Zimbabwe.

Faunal diversity in the southern African subregion increases both northwards and eastwards. Zimbabwe lies in the northeast of the subregion in the highly productive Southern Savanna Woodland biotic zone. Bat specimens have been collected from 44% of the quarter degree grid squares in Zimbabwe. Fifty-eight species are recorded, of which 14 reach the southern periphery of their range. A broad analysis of distribution relative to dominant geographical and climatic features is made. Several species are confined to the eastern half of the country but few show a similar restriction to the drier west. Seven species are widespread, but only *Nycteris thebaica* and *Eptesicus capensis* are truly ubiquitous. The distribution of many species is markedly correlated with altitude and the central watershed disrupts the distribution of several. Fourteen species are represented by too few specimens for their distribution to be assessed. Six species fail to show a distributional pattern. Distribution maps are given for species with a marked increase in collecting localities over Smithers & Wilson (1979).

Ibáñez, C. (1988). Notes on bats from Morocco.

In the last few years, a series of papers on the bats from Morocco have modified and increased the information available on the composition of this fauna (Palmeirin 1982; Aulagnier and Destre 1985; Aulagnier and Mein 1985; Kock 1987).

These notes offer the most relevant of the information obtained from fieldwork conducted in the north of Morocco during the spring and summer of 1986 and the spring of 1987. This information refers to the occurrence of a species reported for the first time in this country as well as to other species which are not well known. Linear measurements are given in millimeters and weight in grams. Except when otherwise indicated, the specimens are adults with fused phalangeal epiphyses. All of the specimens cited are deposited in the collection of the Estacion Biologica de Donana.

Ibáñez, C. and R. Fernández (1985a). Murciélagos (Mammalia, Chiroptera) de las Islas Canarias.

En esta contribution ampliamos y actualizamos la informatión existente sobre aspectos distribucion y taxonomía de las seis especies de murciélagos conocidas en el archipielago canario (*Pipistrellus kuhli, P. maderensis, P. savii, Plecotus teneriffae, Barbastella barbastellus* y *Tadarida teniotis*).

This paper adds to and brings up to date the existing information on some aspects of distribution and taxonomy of the six species of bats known in the Canary Islands (*Pipistrellus kuhli, P. maderensis, P. savii, Plecotus teneriffae, Barbastella barbastellus* and *Tadarida teniotis*).

Ibáñez, C. and R. Fernández (1989). Catalogo de murcielagos de las colecciones del museo nacional de ciencias naturales.

This paper shows the results of a revision of the bats collection held in the Museo Nacional de Ciencias Naturales de Madrid, which consists of over 1300 specimens shared by at least 144 species belonging to 11 families.

The more interesting specimens are emphasized, those being without doubt the types of the 17 species and subspecies described by Angel CABRERA using the material from this Museum. Of them, they are actually considered as valid names *Dobsonia remota, Rhinolophus anderseni, Hipposideros caffer tephrus* and *Cabreramops aequatorianus* although the first species offers some doubts. Their holotypes and paratypes are preserved, at least parcially. A careful study of the different grupus could make possible the validity of some other names like *Rhinolopnus carpetanus, R. f. obscurus,*

Pipistrellus p. mediterraneus and *P. savii ochromixtus*. The rest of them are included under synonymy in a rather definitive way.

En este trabajo revisamos la colección de quirópteros del Museo Nacional de Ciencias Naturales de Madrid, que consta de más de 1.400 ejemplares repartidos al menos en 144 especies de 11 familias.

Hacemos mayor hincapié en los ejemplares de más interés que son, sin duda, los tipos de las 17 especies y sub especies descritas por Angel CABRERA con material de este Museo. De todas estas descripciones actualmente son considerados como nombres válidos *Dobsonia remota, Rhinolophus anderseni, Hipposideros caffer tephrus* y *Cabreramops aequatorianus*, la primera especie con ciertas dudas. De todos ellos se conservan los holotipos y paratipos al menos parcialmente. Es posible que con una revisión profunda de los distintos grupos algunos otros nombres puedan tener validez, tal es el caso de *Rhinolophus carpetanus, R. t. obscurus, Pipistrellus p. mediterraneus* y *P. savii ochromixtus*. El resto está incluido en sinonimia de forma bastante definitiva.

Ifuta, N. B. (1985). Observations sur quelques groupements interspécifiques de Microchiroptères des forêts ombrophiles de Kisangani (Zaïre).

Cet article relate les résultats de deux années de recherches intensives sur les rassemblements entre Microchiroptères d'espèces différentes, récoltés à Kisangani et ses environs.

A l'issue de cette étude, nous avons mis en évidence sept groupements incluant: d'une part les familles des Nycteridae et Hipposideridae, les Nycteridae et Rhinolophidae; et d'autre part les familles des Nycteridae et Vespertilionidae entre elles.

The present paper gives an account of the results of intensive investigation into assemblages of different species of Microchiroptera collected in Kisangani and its vicinity over a period of two years.

At the close of this study, seven groupings of bats, including Nycteridae and Hipposideridae as well as Nycteridae and Rhinolophidae families on the other hand, and Nycteridae and Vespertilionidae by themselves on the other, were placed in a prominent position.

Six out of seven of the assemblages are mentioned for the first time.

Ifuta, N. B. and H. Gevaerts (1986). Données préliminaires sur la reproduction d' *Epomops franqueti* (Chiroptera: Pteropodidae) recoltées à Kisangani et environs.

Epomops franqueti est une chauve-souris dont le régime alimentaire est essentiellement frugivore à Kisangani. C'est même de loin le plus abondant des Mégachiroptères de nos récoltes, représentatns à lui seul 63.7 % de nos captures.

Les données relatives à sa reproduction ne sont pas nombreuses et sont souvent les résultats de sondages pris au hasard parmi les individus capturés. Elles sont consignée dans la monographie de Verschuren (1957), les publications de Brosset (1988a et b) et celle de Jones (1972). Toutes ces investigations font état de l'absence de périodicité de la reproduction chez *Epomops franqueti*. Sous cette étude, qui d'ailleurs est en cours et qui prendra fin en novembre 1986, nous présentons les prémices de nos résultats sur le cycle annuel de reproduction de cette espèce animale au voisinage de l'équateur afin de les comparer aux recherches antérieures. Le présent travail s'étandra sur une durée totale de deux ans.

Ifuta, N. B., H. Gevaerts and E. R. Kuhn (1988). Thyroid hormones, testosterone, and estradiol-17ß in plasma of *Epomops frangueti* (Tomes, 1860) (Chiroptera) in the Rain Forest of the Equator.

Using Japanese catching nets a total of 77 males and 37 females of the fruit eating bat *Epomops franqueti* (Megachyroptera) were captured during a period of 1 year around Kisangani (Zaire). Adult males with white epaulets weighing 143 ± 3.6 g (18) had their testes present in the scrotum and higher plasma concentrations of thyroxine (T_4) and testosterone than adult males without epaulets and with abdominal testes (weight 107.5 ± 2.0 g (39)) or juveniles (72.7 ± 2.8 g (20)). Mean embryo weight of pregnant bats was 4.26 ± 1.09 g (12) ranging from 1.8 to 14.8 g whereas body weight of mothers (+ embryos) was 117.0 ± 3.6 g (12). Body weight of nonpregnant bats was 107.3 ± 2.1 (10) and of female juveniles 74.6 ± 4.3 (15). Plasma concentrations of triiodothyronine (T_3) were lowest in nonpregnant adults and comparable in juveniles and pregnant bats. No difference in plasma T_4 concentrations was found between all groups. Estradiol-17ß concentrations were three times higher in pregnant bats compared to nonpregnant ones or juveniles. A possible relationship between these high figures and elevated T_3 values has been discussed.

Ifuta, N. B., G. B. Katuala and M. L. Bola (1987). Etude du régime alimentaire de quelques espèces des Mégachiroptères de la région de Kisangani (Zaïre).

Des recherches menées sur le régime alimentaire de huit espèces de chauves-souris de Kisangani - Megachiroptera - nous ont conduit à recenser 34 espèces végétales dont les fruits sont consommées.

Les fruits les plus affectionnés appartiennent aux familles des Moraceae, Anacardiaceae, Mytaceae, Rubiaceae, Apocynaceae et Museceae.

Dans cette étude, une esquisse des préférences alimentaires de chaque espèce des Mégachiroptères est tentée.

The study made on the diet of eight bat species - Megachiroptera - at Kisangani revealed 34 plant species whose fruits are eaten.

The most consumed fruits belong to Moraceae, Anacardiaceae, Myrtaceae, Rubiaceae, Musaceae and Apocynaceae families. In this paper, the alimentary preferences of each species of Megachiroptera is outlined.

Iliopoulou-Georgudaki, J. and E. B. Giagia (1986). The chromosomes of Kuhl's pipistrelle bat *Pipistrellus kuhli* (Kuhl, 1819) from Greece.

Standard karyotype and G-bands observed in the chromosomes of *Pipistrellus kuhli* from Greece are described. The karyorypes have confirmed the high conservatism of the Vespertilionidae bats, as the studied species possess 2n = 44 with three large biarmed pairs. The G-band patterns found in the karyotypes of the examined species are identical with those previously described of that species from Ajerbaijan (USSR) and Libya.

Ingoldby, C. M. (1929). On the mammals of the Gold Coast.

A collection of mammals - mainly small mammals - from the Gold Coast Colony, including Ashanti and the Northern Territories, recently got together by the author, proves to contain a considerable number of species not previously recorded from the Colony; and, as available literature on this area is scanty and scattered, it seems worth while to attempt a list of its mammalian fauna as now known.

Two considerable collections have been received by the British Museum from Ashanti - by Dr. Spurrell (1910-1912), and by Captain Giffard, from the Northern Territories. A few specimens have been sent by others from time to time. For the Ungulates I have drawn fully on the B.M. "Catalogue of Ungulate Mammals," 1914-1916, Lydekker. I have to acknowledge the assistance I have received from the authorities of the British Museum, who have allowed me ready access to the collection and to literature, and especially to Mr. M. A. C. Hinton and Mr. Oldfield Thomas, who have given me the friendliest encouragement and help throughout. To Mr. Pocock, who has also helped me with a valued gift of "separates," to Dr. E. Schwarz, for help in some points of nomenclature of the Primates and one or two of the Carnivores, and to Mr. Oldfield I owe thanks.

The most interesting facts brought to light by this new collection are, perhaps, the large number of species inhabiting this small area, the occurrence of *Hylochcerus meinertzhageni* so far to the west, and the discovery of an important new species of the rare genus *Uranomys*.

Iredale, T. and E. Le G. Troughton (1934a). A check-list of the mammals recorded from Australia.

More than three centuries have passed away since Pelsart in 1629 provided the first known description of an Australian pouched animal, and, although over 400 species and subspecies of mammals, marsupial and otherwise, have since been described, the present work is the first to assemble in a. comprehensive taxonomic list the mammalian orders indigenous to Australia and the adjacent seas.

Much care has been devoted to supplying the original references to species, thus avoiding the reiteration of extensive synonymic lists, while the essential generic references are quoted in a manner adequately stabilising the name to be accepted. A feature especially helpful to fellow-workers is the listing of authentic type localities, as those of many of the earlier species have hitherto been either overlooked or misquoted, and wrong conclusions have resulted therefrom.

A very natural result of the early recognition of the extraordinary interest of the Australian fauna was that collections made by explorer-naturalists, officials, and settlers went overseas to be described and stored away for all time. Until recently, therefore, much of the mammalian research has been carried out abroad, and Australian, workers have been troubled by the fact that many species are known only by meagre descriptions of material which is rarely illustrated and mostly unrepresented in their collections.

Further confusion arose from the fact that for many years no attempt was made accurately to localise individual discoveries, so that a vast amount of field-work must be carried out in order to check not only the identity but the actual survival and present range of many species.

No student of Australian mammalogy, however, can fail to be impressed by the magnitude of the work accomplished by John Gould, and the wide knowledge he gained in the early days of various parts of the continent and the habits of its quaint denizens, which led to the preparation of the three wonderful volumes of "The Mammals of Australia."

The authors also pay tribute to those past and present workers who have devoted much ability and energy to furthering a knowledge of the fascinating mammalian fauna. Amongst the earlier workers were Gerard Krefft and Dr. B. Pierson Ramsay, past Curators of the Australian Museum. In the nineties J. Douglas Ogilby was engaged by the Museum Trustees to prepare a "Catalogue of Australian Mammals," published in 1892, a compilation which, though providing a useful basis, suffered from the author's lack of experience of the subject, and his failure to consult the important collections already available in the Museum. While a member of the Museum staff, Edgar R. Waite contributed some important work upon the mammals, notably in association with Professor Baldwin Spencer, who also named some important discoveries, on the collections of the Horn Expedition to Central Australia.

The "Catalogue of Marsupialia and Monotremata" by Oldfield Thomas, of the British Museum, will, of course, provide a basis of study for all time. Since its publication in 1888, however, its author has described not only a great number of marsupials, but rodents and bats as well, so that his acitivities alone provided urgent need for the compilation of a check-list.

Of the more recent comprehensive works, the "List of Australasian and Austro-Pacific Muridæ," published by Heber A. Longman in 1916, is invaluable when studying the indigenous rodent fauna, but many forms have since been described, while the nomenclature has been subjected to considerable revision. Finally, there is the splendid handbook to "The Mammals of South Australia," 1923-1925, prepared and illustrated with so much care and originality by Professor F. Wood Jones while occupying the Chair of Anatomy at the University of Adelaide. Workers in mammalogy owe a debt of gratitude to the author of this handbook, which, though restricted as to the range of actual forms, really provides a complete introduction to the study of the mammalian fauna of Australia.

Concerning the major classification of Marsupialia, it has seemed advisable to follow the older and more familiar one used in the "Catalogue" by Thomas rather than that adopted by Wood Jones in his Handbook, though close analysis of the latter classification must prove very instructive to students of mammalogy.

All references to scientific names have been checked by consultation of Palmer's "Index Generum Mammalium" and Sherborn's "Index Animalium." The accuracy of both of these compilers is, of course, beyond comparison, and the satisfactory compilation of this List has been greatly facilitated by the assistance of these standard works.

Throughout this work, the provision of vernacular names for all forms, many of which were met with in the wild state only by the collector, has often proved a more difficult task than that of establishing the priority of scientific names. The aboriginal names, which may vary with local tribes, or those used by settlers in various districts or States, for instance, are hardly applicable to single species which may occur in several mainland States and on islands as well.

The law of priority has invariably been followed in the acceptance of scientific names and, although the inevitable and sometimes drastic changes may be regretted, adoption of the earliest valid name provides the sole means of reaching finality, and also avoids the lasting confusion which results from conserving here and rejecting there.

At the present time there is definite evidence of a revival of interest in mammalian research within the Commonwealth, and it is the authors' hope that this List will not only enable workers to designate genera and species with certainty, but also assist ia creating a universal understanding of our faunal problems and the urgent need for the conservation of existing species.

Izhaki, I., C. Korine and Z. Arad (1995). The effect of bat (*Rousettus aegyptiacus*) dispersal on seed germination in eastern Mediterranean habitats.

The fruit-bat *Rousettus aegyptiacus* (Pteropodidae) in Israel consumes a variety of cultivated and wild fruits. The aim of this study was to explore some of its qualities as a dispersal agent for six fruit-bearing plant species. The feeding roosts of the fruit-bat are located an average of 30 m from its feeding trees and thus the bats disperse the seeds away from the shade of the parent canopy. The bat spits out large seeds but may pass some (2 %) of the small seeds (< 4 mg) through its digestive tract. However, neither the deposited seeds nor the ejected seeds (except in one case) had a significantly higher percentage germinating than intact seeds. Although the fruit-bat did not increase the percentage germinating, seeds of three plant species subject to different feeding behaviors (deposited in feces or spat out as ejecta) had a different temporal pattern of germination from the intact seeds. The combined seed germination distribution generated by these different treatments is more even over time than for each treatment alone. It is suggested that this increases asynchronous germination and therefore enhances plant fitness by spreading the risks encountered during germination, especially in eastern Mediterranean habitats where the pattern of rainfall is unpredictable.

Jackson, H. D. (1973). Faunal notes from the Chimanimani mountains, based on a collection of birds and mammals from the Mucrera river, Mozambique.

The paper reports on a collection of 125 specimens taken in August - September, 1972, in the vicinity of the Mucrera River, Mozambique; this is in the Chimanimani Mountains close to the Rhodesian border. The collection includes the first specimen of Cape Eagle Owl *Bubo capensis* from Mozambique (see Jackson, 1973a) and useful series of Whitethroated Swallow *Hirundo albigularis* (ten specimens), Wailing Cisticola *Cisticola lais* (25 specimens), Bokmakiri *Telophorus zeylonus* (eight specimens; see Jackson, 1972) and Egyptian Freetailed Bat *Tadarida aegyptiaca* (27 specimens). The specimens represent 24 bird and four mammal species; also recorded are another 27 bird and five mammal species seen but not collected, including the first record of the Rednecked Francolin *Francolinus afer* from the Chimanimanis.

Habitat notes are provided for most of the species. The Dabchick *Tachybaptus ruficollis* was found breeding in the Chimanimanis for the first time and ovarian activity was noted in Rameron Pigeon *Columba arquatrix* (apparently no breeding records from Mozambique or Rhodesia), Freckled Nightjar *Caprimulgus tristigma* and Stonechat *Saxicola torquata*; for most species the breeding season was only just beginning. Notes on courtship and other behaviour are included for several species.

The Mucrera deme of the Wailing Cisticola is shorter-winged than *C.l. mashona*, the taxon to which the Chimanimani populations are usually referred.

The Whitethroated Swallow is not resident in the Chimanimanis as claimed by Hodgson (1971); it arrives in August, the males apparently preceding the females by a few weeks.

The weights of all specimens are given and for several bird species the colours of soft parts given in McLachlan & Liversidge (1970) are shown to be unreliable.

Jacobs, D. S. (1996). Morphological divergence in an insular bat, *Lasiurus cinereus semotus*.

1 Bats are the only terrestrial mammals to have reached isolated oceanic islands without human assistance. Despite the fact that the greatest evolutionary divergence would be expected on such islands, very few studies on the divergence of oceanic island fauna from their mainland counterparts have focused on bats. This study investigated divergence of the insular Hawaiian Hoary Bat, *Lasiurus cinereus semotus*, from its North American subspecies, *L. c. cinereus*.

2. Divergence in the Hawaiian Hoary Bat involved characters related to flight and feeding.

3. The Hawaiian bat has undergone a 45 % reduction in body size with allometric responses in the size of its wings. These changes resultedin a combination of low wing loading (ratio of weight to wing area) with relatively long, narrow wings. The low wing loading permits slower and more manoeuvrable flight near vegetation, whild the relatively long, narrow wings enable enduring flight in open areas. This increased flexibility in fligh behavior has allowed the Hawaiian bat to expand its foraging habitat to include open habitats similar to those of *L. c. cinereus*, and closed habitats that are not used by *L. c. cinereus*.

4. Divergence in characters related to feeding involved relative increases in size of the gape, size of the masseter muscle and the height of the coronoid process. These changes give the jaw more crushing power for more efficient processing of large and hard-bodied prey. This has enabled the Hawaiian bat to include large, and hard-bodied insects (not taken by *L. c. cinereus*) in its diet despite a marked reduction in body size.

Jacobsen, N. H. G., P. C. Viljoen and W. Ferguson (1986). Radio tracking of problem Fruit bats (*Rousettus aegyptiacus*) in the Transvaal with notes on flight and emergetics.

Radio tracking was used to locate a cave in which Egyptian fruit bats roosted after nightly feeding visits to litchi orchards in the Trichardtsdal/Ofcolaco area of the northeastern Transvaal. This paper reports on results of this technique and discusses its shortfalls.

Radio-Ortung von schadenanrichtenden Flughunden (*Rousettus aegyptiacus*) in Transvaal mit Anmerkungen über Flug und Energiehaushalt.
Radio-Ortung wurde zur Auffindung einer von Nilflughunden benutzten Höhle gebraucht, in die sie nach nächtlichem Fressen in Litschi Obstgärten in der Trichardtsdai/Ofcolaco-Region des nordöstlichen Transvaal zurückflogen. Die Arbeit berichtet über die Ergebnisse dieses Verfahrens und diskutiert seine Schwächen.

Jadin, J. B., P. H. Vercammen-Grandjean and A. Fain (1955). *Trombicula nycteris* n.sp. Un Trombiculidae (Acarina) parasite de chiroptères.

En juin 1953, l'un d'entre nous récolta sur une Chauve-souris: *Nycteris macrotis*, un certain nombre de larves de Trombiculidés d'espèce nouvelle et apparentée à *Trombicula* PHIL. & TRAUB 1950.

Cette espèce nouvelle fut appelée: *Trombicula nycteris*. Elle appartient à un groupe important des *Trombicula*, africains, parmi lesquels sont déjà connus les suivants: *T. panieri* JAD. & VERC. 1952, *T. jadini* VERC. 1952 et *T. rodhaini* JAD. & VERC. 1952.

Javrujan, E. G. (1989). On some bat species from northern Africa (Algeria). Abstract.

From October, 1980 to July, 1984 incl., the author investigated the bat fauna of Algeria and its borderland with Tunisia and Morocco. The study area is heterogeneous as to geography and climate. Most bat species are concentrated on the Mediterranean coast, fewer species occur in the oases of the Sahara Desert, and still fewer in the mountain regions separating the wide coastal zone from the Sahara.

The author has ascertained 20 out of the 23 species recorded in the territory of Algeria; they belong to the families Rhinolophidae and Vespertilionidae. He inspected around 220 shelters and banded 660 individuals. Eighteen species, which mostly occur also in Armenia, were studied systematically. Mr Ahmed Amiri, vice-principal of the University, and students of the Department of Zoology of the University, in Annaba participated in the investigations.

Particular attention was paid to the Annaba region and the Algerian coastal zone where most morphological and biological investigations were made. Each year, five to seven expeditions were made to the Sahara. Investigations into ruins, tombs, mosques and houses were connected with diffeculties. Nevertheless, the author succeeded in compiling maps of localities and in obtaining an idea of the species composition and ecology of the bats of Algeria. The material obtained has also enabled him to compare the morphometric characters of certain northern African and Armenia species.

Editorial Note. In the same years (1980 - 1984), other authors also studied the distribution and ecology of bats in Algeria. According to published data (Gaisler 1983, 1984; Vesmanis 1985; Gaisler et Kowalski 1986; Kowalski et al. 1986), 26 species of six families of Chiroptera have been recorded in Algeria.

Jeffrey, S. M. (1975). Notes on mammals from the high forest of Western Ghana (excluding Insectivora).

Des renseignements sont fournis sur 73 espèces de Mammifères, collectionnés pendant trois ans dans une région forestière du Ghana occidental (près de Sefwi Wiawso) comprenant environ 3 845 km^2. Des détails de localité, d'habitat, de poids et de taille, de mœurs et de reproduction sont indiqués quand ils sont connus. *Tadarida congica* est rapporté pour la première fois en Afrique de l'Ouest.

Jentink, F. A. (1881). Description of a new African bat, *Leiponyx büttikoferi*.

In the family of the Pteropodidae there are three genera in which the claw, to the index finger is wanting, viz. *Cephalotes, Notopteris* and *Eonycteris*. The first of these genera is represented by two, the others each by a single species. They are distributed in the following manner: *Cephalotes peronii* inhabits the islands of the Austro-Malayan subregion, while *Cephalotes minor* is to be found in New Guinea; *Notopteris macdonaldii* is limited to the Fiji-group and Aneiteum-island and *Eonycteris spelaea* is to be found in caves on the Indian continent (Burma). The Pteropodidae met with by the numerous travellers in the African continent belong without exception to the genera *Epomophorus* and *Cynonycteris*. Taking these facts into consideration I was greatly surprised to find in a small collection of bats, made in Liberia by our travellers Büttikofer and Sala a *Pteropus*-like bat, which did not possess a claw to the index finger and so could not belong to a species of *Epomophorus* or *Cynonycteris*. This species differing in many points from the other species without a claw to the index finger, I am obliged to regard our specimen as the type-species of a new genus, which I propose to call *Leiponyx*.

Jentink, F. A. (1888a). Zoological researches in Liberia. A list of mammals, collected by J. Büttikofer, C.F. Sala and F.X. Stampfli, with biological observations.

This paper is a continuation of Büttikofer's papers on the zoological researches in Liberia in the Notes from the Leyden Museum, 1885, Vol. VII, p. 129 and 1886, Vol. VIII, p. 243. As well as Büttikofer's list of the birds gives a good impression of the richness of the Avifauna in that part of Africa, so my paper will give an idea of the luxuriousuess of the Mammalian forms in that country. Our travelers have been happy enough to procure several new species besides specimens of species hitherto only known by mutilated skins or by a single skull, by a single specimen or of which the locality was unknown or uncertain. The collections are the results of four voyages, made by Büttikofer and Sala (January 1880 - April 1882), by Stampfli (July 1884 - April 1886), by Büttikofer and Stampfli (November 1886 - May 1887) and the continuation of the latter by Mr. Stampfli who is still hunting in Eastern Liberia, but intends to return within a few months. In the above mentioned paper ....

Jentink, F. A. (1890). On a collection of mammals from Billiton.

Up to this day I knew only a single Mammal, *Sciurus prevostii*, from Billiton, a small island, situated between Borneo and Banka. As the islands between Sumatra and Borneo bear a peculiar scientific interest with regard to the distribution of the animals and to the hypothesis concerning the relation in prehistorical times between these two large islands, I was in sanguine expectations in receiving a letter from Dr. A. Vorderman (Batavia), containing the kind information that he had made a journey to Billiton in June 1888 and now presented the then collected animals to our Museum. And how great was my astonishment in finding in that collection no less than 10 species of Mammals from Billiton. So that we know at present eleven well-defined species from that interesting point in the Malay Archipelago.

Two species, *Pteropus edulis* and *Sciurus prevostii*, in the collection are from Mendanao, a small island close to the west coast of Billiton.

The following 10 species are contained in Vorderman's collection from Billiton.

Jobling, B. (1939). On the African Streblidae (Diptera, Acalypterae) including the morphology of the genus *Ascodipteron* Adens and a description of a new species.

Dr. F.W. EDWARDS has kindly submitted to me the specimens of Streblidae collected by him in March 1935, during his entomological expedition to East Africa, in the caves near Kapretwa, at 6500 ft., on Mt. Elgon, Kenya. To this material he added the specimens collected by Dr. G.H.E. Hopkins, in the same locality, and asked me to write a short report.

After an examination of these two collections, I came to the conclusion that a short report on these specimens will have very little value. Therefore, I have decided to write this paper, which includes all

the records of the African Streblidae known to me at present, and an illustrated key for their identification.

Amongst the material of Dr. Hopkins there were thirteen spirit specimens of bats infested with the endoparasitic females of the genus *Ascodipteron*. With this material I was able to study the external structure of this endoparasite, and the description of it is given in this paper. I think that this description will serve as a basis for the further study of the characters of the species of this highly specialized genus.

As I could not refer to the specimens of *Ascodipteron* to either *A. lophotes* Monticelli (1898), or to *A. tabulatum* Speiser (1908a), they are described here as a new species. However, I must mention that the descriptions of these authors are incomplete, and a comparison of my type specimen with theirs may demonstrate its identity with either *A. lophotes* or *A. tabulatum*.

The African species of this family of Diptera belong to the following three genera: *Raymondia, Nycteribosca* and *Ascodipteron*. The first two genera are included in the subfamily Nycteriboscinae and the last in the Ascodipterinae. The species of these genera are widely distributed in the Oriental region, where those of the genus *Nycteribosca* are more numerous than in Africa. But non of the Oriental species of these genera occur in Africa and vice versa. Three Ethiopian species, *Nycteribosca Africana* Walker, *N. alluaudi* Falcoz and *Raymondia huberi* Frauenfeld, are common on certain bats in the Palaearctic region of Africa. Of these species *Nycteribosca Africana* has the widest distribution, and is the only streblid which occurs in the Mediterranean parts of Europe and Asia (Portugal, south of France, Sardinia, Cyprus and Palestine).

Table 1 shows that the African Streblidae parasitize bats belonging to eight families of Chiroptera. The more common and widely distributed species, such as *N. africana* and *Raymondia huberi*, have been found on the species of the three families of bats, whereas the less common species, with the more localized distribution, have been recorded only from one, or from two species of bats of the same genus.

It seems that the evolution of the Streblidae has been going on side by side with that of their hosts. The most generalized species of this family occur on the species of the most generalized family of Chiroptera. Thus *Nycteribosca bequarti* and the Oriental species, *N. gigantean*, which are the most generalized species of the Streblidae, have been found only on bats of the most primitive form of Pteropidae of the suborder Megachiroptera.

The distribution of the African Streblidae is known very incompletely, for instance, there is only one record of these Diptera from the whole of West Africa (Old Calabar, South Nigeria), none from French Equatorial Africa and only two from the Belgian Congo.

Jobling, B. (1952). Description of two new species of *Ascodipteron* from Africa and one species of *Nycteribosca* from Madagascar (Diptera, Streblidae).

The description of one new species of *Ascodipteron* and another one of *Nycteribosca* is based on the material collected in Africa and Madagascar respectively by Mr H. Hoogstraal, of the United States Naval Medical Research Unit No. 3. These specimens represent a part of the collection which was sent to me for identification by Mr R. L. Wenzel of the Chicago Natural History Museum. In this paper I have also included the description of another new species of *Ascodipteron* of which two specimens were collected by Mr T. S. Jones in West Africa. As the specific characters of the species of the genus *Ascodipteron* have not been properly understood, they are described here in the comparative form, together with the morphology of the head, thorax and the abdomen.

Jobling, B. (1954). Streblidae from the Belgian Congo, with a description of a new genus and three new species (Diptera).

Mr. P. BASILEWSKY, Chief of the Entomological Department of the Musée Royal du Congo Belge at Tervuren, and Mr. P. L. G. BENOIT, Assistant, have very kindly submitted to me a very large collection of *Streblidae* made by N. LELEUP in the Belgian Congo, during his work at the *Institut pour la Recherche Scientifique en Afrique Centrale* (I.R.S.A.C.). In this collection were one new genus and three new species; the descriptions of these are given below, together with the record of the known species which have been found in this collection. The types are deposited in the Musée Royal du Congo Belge.

Except *Raymondia setiloba* sp. n . and *Raymondioides leleupi* gen. n. and sp, n. the rest of the *Streblidae* of the Belgian Congo occur in many other parts of Africa, and therefore, in order to give the complete records of their distribution, I have also included their previous records.

During the last ten years the *Streblidae* have been very extensively collected in the North-eastern parts of Africa, and for this we are indebted to Mr. H. HOOGSTRAAL, Head of the Department of Medical Zoology, U. S. Naval Medical Unit N° 3, in Cairo. His specimens have been identified by me, and they are now preserved jn the Chicago Natural History Museum. They helped me greatly to clarify several obscure points during the preparation of this paper, and the record of some of them are also mentioned here.

As my key to the African *Streblidae* was published in 1939, and during the intervening years several new species have been added to the African list, I have decided to include in the present paper a new key to the genera *Nycteribosca* and *Raymondia*. The species of the genus *Ascodipteron* are not treated here because they have not been sufficiently studied, and as yet, have not been recorded from the Belgian Congo.

Jobling, B. (1956). Streblidae from the French Ivory Coast, with a description of new species (Diptera).

Dr. V. AELLEN of the "Muséum d'Histoire Naturelle", Geneva, very kindly sent me a small but interesting collection of Streblidae, made by him during his scientific expedition to the French Ivory Coast. Among the specimens of this collection were two new species which are described below. A specimen from French Guinea is also recorded. The types of new species are deposited in the "Muséum d'Histoire Naturelle" of Geneva.

Johansson, S. G., P. Cunneyworth, N. Doggart and R. Botterweg (1998). Biodiversity surveys in the East Usambara Mountains: Preliminary findings and management implications.

Geographically referenced biodiversity information is important for conservation management and zoning. Biodiversity surveys were initiated in the East Usambara Mountains in 1995 to provide baseline information on the biological values of the forests for management planning and monitoring, and to train field staff in the use of biological inventory techniques. They were conducted in ten-week field phases. Vegetation plots were laid along a grid of 450 m x 450/900 m. Forest disturbance was assessed using the grid transects. Selected groups of fauna were surveyed using standard methods. Inventories have been completed in ten forests covering 11,076 ha. New species have been discovered, and several range extensions have been documented. Data on local distribution of endemics and threatened species has been incorporated in management plans for Forest Reserves. About 35 foresters have been trained. During 1997 a database was developed for data entry, retrieval and mapping.

Jones, C. (1971). The bats of Rio Muni, West Africa.

Based on reference specimens obtained from known localities, a modern list is presented of the bats of Rio Muni, West Africa. Information is presented and summarized on some aspects of the biology, especially reproduction and ecologic distribution, of these mammals. Data are recorded with regard to some of the morphological variations found in the species of bats listed.

Jones, C. (1972). Comparative ecology of three pteropid bats in Rio Muni, West Africa.

Data on morphologic features, habits ,stratification, flight, and thermal response are presented for *Eidolon helvum, Epomops franqueti*, and *Micropteropus pusillus* from Rio Muni, West Africa. Relative abundance and reproduction activities of these pteropodids are concordant with seasonal rainfall and availabitlity of foods in Rio Muni. There are major differences between these sympatric species with regard to roosting sites, foods and feeding behaviour, levels of flight, and aerodynamic properties. Thermal responses vary between the species and are correlated with differences in behavioural thermoregulation.

Jones, G., T. Gordon and J. Nightingale (1992). Sex and age differences in the echolocation calls of the lesser horseshoe bat, *Rhinolophus hipposideros*.

The CF portion of calls emitted by hand-held Lesser Horseshoe Bats *Rhinolophus hipposideros* depends on the age and sex of the bat. Bats older than one year have calls higher in frequency than those produced by first-years, and females emit higher frequency calls than males. Within sexes, frequency is not correlated with forearm length. The implications of intraspecific variation in pulse design for communication and resource partitioning are discussed.

La portion CF des cris émis par des Petits rhinolophes fer à cheval, (*Rhinolophus hipposideros*), tenus à la main, dépend de l'âge et du sexe de la chauve-souris. Celles qui sont agées de plus d'un an émettent des cris a plus haute fréquence que celles qui ont moins d'un an, et les femelles émettent à plus haute fréquence que les mâles. Entre membres du meme sexe, lé frequence à laqueile est émis le cri n'a aucun rapport avec la longueur de l'avant-bras. Une discussion est engagée sur les consequences possibles des variations intra-spécifiques dans la production des cris, pour la communication et le partage des resources.

Jones, G., M. Morton, P. M. Hughes and R. M. Budden (1993). Echolocation, flight morphology and foraging strategies of some West African hipposiderid bats.

We studied echolocation call structure, flight morphology and feeding behaviour of three hipposiderid bats (*Asellia tridens, Hipposideros caffer* and *H. ruber*: Chiroptera: Hipposideridae) in The Gambia during the wet season (July - August). All three species emitted brief CF/FM echolocation calls. In *A. tridens* CF (constant frequency) frequencies between 108 and 122 kHz were recorded. This variation was caused mainly by sex and age difference in call frequencies: juveniles used lower frequencies than did adults, and males were lower in frequency than females. Among adults, CF frequency was related to forearm length in a polygonal manner. *Asellia tridens* is unusual for a microchiropteran in that males are larger than females: nevertheless this species follows the typical trend for bats using CF components in their calls in that males call at lower frequencies than do females. The spread in frequencies notes for *A. tridens* in group flight was not caused primarily by individuals shifting their frequencies when flying in a group compared with when flying alone. Three bats were flown separately and then together in a small room. The hypothesis that bats shift emitted frequencies in group flight to minimize confugin their own echoes with those from conspecifics was not supported. Rather, we suggest each bat has a personal CF frequency determined by sex, age and size, and that the variation created by these factors reduces confusion with other bats' echoes during group flight. Bats of the genus *Hipposideros* were separated into two groups by discriminant analysis on flight morphology. The two groups showed little overlap of CF frequencies used in echolocation. Bats identified as *H. ruber* called with CF resting frequencies between 121 and 136 kHz, while *H. caffer* used 128 - 153 kHz. Our results support the classification of these bats into two sibling species. We compared the flight performance of *A. tridens* and *H. ruber* by flying bats through obstacle courses: *H. ruber* had a lower wing loading and was able to negociate more complex arrays of obstacles than could *A. tridens*. In the wild, *H. ruber* fed in more cluttered situations than did *A. tridens*. Both species were feeding mainly on

Coleoptera during the study period, and in *H. ruber* individuals with higher aspect ratios and long wingspans tended to eat more moths than did bats with broader and shorter wings.

Jones, G. and R. D. Ransome (1993). Echolocation calls of bats are influenced by maternal effects and change over a lifetime.

The greater horseshoe bat, *Rhinolophus ferrumequinum*, is a model species in echolocation studies, and emits calls containing long constant-frequency (CF) components. The bats have auditory systems tuned sharply to frequencies close to the resting CF (RF) values. Call frequency and neural processing are both flexible within individual bats which use this mode of echolocation. The simple structure of the calls makes them ideal for sonagraphic analysis. Here, in a large-scale and long-term analysis of changes in the vocalizations of bats we show that: (i) the calls of *R. ferrumequinum* aged 1-28 years vary seasonally and over a lifetime in a predictable manner; and (ii) an infant's RF is at least partly determined by the RF of its mother. We consider the relative importance of genetic and learning factors upon the correlation between RFS of mothers and offspring.

Jones, G. and J. M. V. Rayner (1989). Foraging behavior and echolocation of wild horseshoe bats *Rhinolophus ferrumequinum* and *R. hipposideros* (Chiroptera Rhinolophidae).

1. Echolocation and foraging behavior of the horseshoe bats *Rhinolophus ferrumequinum* and *R. hipposideros* feeding under natural conditions are described. 2. The calls of both species consisted predominantly of a long CF segment, often initiated and terminated by brief FM sweeps of substantial bandwidth. 3. *R. hipposideros* typically flew close to vegetation, and fed by aerial hawking, gleaning and by pouncing on prey close to the ground. *R. hipposideros* called with a CF segment close to 112 kHz which is the second harmonic of the vocalization; its calls included low intensity primary harmonics, and had prominent initial and terminal FM sweeps of considerable bandwidth. When searching for prey on the wing it had longer interpulse intervals than *R. ferrumequinum*, but emitted shorter pulses at a higher repetition rate; overall it had a similar duty cycle to *R. ferrumequinum*. 4. *R. ferrumequinum*, calling with a CF segment close to 83 kHz, also used harmonics other than the dominant secondary in its calls, and modified its echolocation according to ecological conditions. This species showed certain parallels with *R. rouxi* of Asia. It was observed feeding by aerial hawking and by flycatching. When scanning for prey from a perch (perch hunting), calls were of shorter duration, and interpulse intervals were on average longer, than when bats were flying. Mean duty cycle was longer in flight, and the bandwidths and frequency sweep rates of the FM segments in the calls increased in comparison with perched bats. 5. FM information may facilitate determination of target range and the location and nature of obstacles; it may also be involved in the interpretation of echoes and the detection of moving targets among clutter. The rising FM sweep initiating the call in both species when flying (and to a lesser extent perch hunting) in the wild must have a significant adaptive role, and should be considered an essential component of the call; rhinolophids should be termed FM/CF/FM bats.

Jones, G. and S. M. van Parijs (1993). Bimodal echolocation in pipistrelle bats: are cryptic species present?.

The pipistrelle bat *Pipistrellus pipistrellus* is the most widespread in Europe, and is often the most abundant bat species in northern and central Europe. *P. pipistrellus* has traditionally been considered as one species throughout Europe. Here we show that: (i) the echolocation calls of pipistrelles fall into two distinct frequency bands in Britain, with frequencies containing most energy averaging 46 khz and 55 khz; (ii) roosts consist of bats which use only one form of echolocation; (iii) small but significant differences in average gross morphology exist between the phonic types; and (iv) the two phonic types occur in sympatry over much of Britain. Recordings made from European populations show that bimodal echolocation is also typical of continentatl pipistrelles, with only one phonic type found in some areas, two types in sympatry in others. The sympatric occurrence of two phonic types, the lack of mixing of types between colonies, and the morphological divergence between phonic types suggests that *P. pipistrellus* may actually consist of at least two cryptic sibling species. The evolution of bimodal

echolocation in bats is discussed, and a model involving disruptive selection is presented to show how sympatric speciation may occur.

Jordan, K. (1936). Dr. Karl Jordan's expedition to South-West Africa and Angola: Siphonaptera.

The mammals obtained on the Expedition were mainly collected for the sake of their Ectoparasites, particularly fleas. As I found little time for trapping, especially in Angola, we did not get large numbers of fleas, there being hardly ever anything on the mammals brought in dead or alive by the natives. Since my return to Europe, Herr. W. Hoesch, one of my companions in South-West, has send me from that country two consignments of fleas which add materially to the collection. Some of the species we obtained are new, the most interesting new flea being a subspecies combining characters of *Ctenocephalides felis felis* and *Ct. connatus*.

In order to make the report on the fleas more useful, I have included in it all the species known to me from South-West and Angola.

Jüdes, U. (1994). Methods for monitoring of bats using ultrasonic detectors. Abstract.

At the 2nd European Bat Detector Workshop in Spain (1993) participants agreed on a cooperation to improve their work and established a working group

- to exchange information about monitoring methods for bats used in different European countries,
- to stimulate methodological discussion, and
-.to optimize and - as far as possible - standardize methods.

The procedure for this cooperation will follow the so-called Delphi-method:

1. Each participant describes his/her specific method(s) and experience in a short paper, fills in a questionnaire and sends both to the coordinator.

2. Coordinator builds subgroups (e.g. on specific aims of field studies) and distributes papers of participants among all subgroup members.

3. Subgroup members discuss papers, give additional hints and critical notes to authors of papers and to organizer.

4. Results of subgroup discussions are circulated again by organizer to all members for final criticism.

The cooperation will result in many international contacts, spreading of ideas among participants, testing of single methods in different countries, and - if possible - in a written many-author-guide on well experienced methods for bat detector field work.

All interested scientists and bat workers in Europe are invited to cooperate in this group and should contact me

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Juste, J. and C. Ibáñez (1992). Taxonomic review of *Miniopterus minor* Peters, 1867 (Mammalia: Chiroptera) from western central Africa.

Western populations of *M. minor* from São Tomé Island, Zaire and the Republic of Congo are compared to one another and with the known eastern subspecies, using either quantitative and qualitative parameters. The analyses confirm the subspecific character of both the São Tomé population (described as *M. newtoni* Bocage, 1893) and the western continental population, distinguished by cranial relationships and qualitative characters from the other known populations and hereby described as a new subspecies.

In addition, a neotype for *newtoni* is designated.

Juste, J. and C. Ibáñez (1993a). An asymmetric dental formula in a mammal, the São Tomé Island fruit bat *Myonycteris brachycephala* (Mammalia: Megachiroptera).

The dental formula in heterodont mammals characteristically shows bilateral symmetry. Its expression is likely to be subject to very strong selective pressures, since it is associated with such basic functions as the acquisition and preparation of food. Here we report the exceptional finding of the first asymmetric dental formula in a heterodont mammal observed in the São Tomé Island (West Africa) frugivorous bat *Myonycteris brachycephala*. The asymmetry results from the absence of a lower internal incisor, occurring variably in the right or left mandible. This morphological innovation is possibly related to a developmental instability associated with the colonization by the island species.

La formule dentaire des mammifères hétérodontes est normalement caractérisée par la symétrie bilatérale. Son expression est en général le reflet de pressions de sélection très fortes parce qu'elle est associée à des fonctions aussi fondamentales que l'acquisition et la préparation de la nourriture. La formule dentaire asymétrique que nous décrivons ici, la première jamais rencontrée chez un mammifère hétérodonte, le chauve-souris frugivore *Myonycteris brachycephala* de l'île São Tomé (Afrique de l'ouest), reflète donc un phénomène tout à fait exceptionnel. Cette asymétrie résulte de l'absence d'une incisive inférieure interne, soit à gauche, soit à droite. Cette nouveauté morphologique est peut-être reliée à l'instabilité évolutive associée au processus de colonisation de cette espèce dans l'île.

Juste, J. and C. Ibáñez (1993b). A new *Tadarida* of the subgenus *Chaerephon* (Chiroptera: Molossidae) from Sao Tomé Island, Gulf of Guinea (West Africa).

We describe a population of the genus *Tadarida* (Molossidae) from São Tomé Island (Gulf of Guinea, West Africa), as a new species based on cranial and interaural-membrane morphology shown in three specimens. These features are shared only with *T. (Chaerephon) gallagheri* from Zaire and, in part, with *T. (C.) johorensis* from the Malayan Peninsula, two species that appear to be the closest allies. The families Molossidae (the new species and *T. (C.)pumila*) and Emballonuridae (*Taphozous mauritianus*) are recorded for the first time for the island of São Tomé.

Juste B. , J. and C. Ibáñez (1994a). Contribution to the knowledge of the bat fauna of Bioko island, Equatorial Guinea (Central Africa).

Although having been long studied, the bat fauna of Bioko island (formerly Fernando Poo, Equatorial Guinea, Central Africa), is still little known. The species *Hipposideros commersoni, Glauconycteris beatrix, Pipistrellus (P.) kuhlii, P. (N.) tenuipinnis*, and *P. (N.)* cf. *capensis* are reported for the first time. Furthermore, the species *Myonycteris torquata, Taphozous mauritianus, Nycteris arge, Hipposideros cyclops, Glauconycteris poensis, Mops (X.) spurrelli* and *M. (X.) thersites*, previously reported as doubtful, are confirmed on Bioko. These results increase the bat checklist for Bioko island by 25 %, and it now includes 26 species.

Juste B. , J. and C. Ibáñez (1994b). Bats of the Gulf of Guinea islands: faunal composition and origins.

The present study compares the bat faunas of the islands of the Gulf of Guinea. Species composition, endemism and hypothetical origins are discussed. All families present in the mainland region are found in Bioko, a typical landbridge island. Foliage gleaning guild species (Nycteridae) show limited colonization abilities. This is also true of the family Rhinolophidae, but not for the closely related family

Hipposideridae. The majority of the oceanic island species are African bats which show a widespread distribution and, therefore, have a high ecological plasticity. The continental relatives of the two endemic species *Myonycteris brachycephala* and *Chaerephon tomensis* are restricted to relatively small forested areas. Bioko's bat fauna is the result of the recent isolation from a formerly land-connected community. The oceanic bat faunas originated from the establishment of incomers from other areas. Nevertheless, extinction appears in both vicariant and dispersal processes, as an important factor in modelling the current bat communities of the Gulf of Guinea islands.

Juste B. , J., C. Ibáñez and A. Machordom (1997). Evolutionary relationships among the African Fruit Bats: *Rousettus egyptiacus*, *R. angolensis*, and *Myonycteris*.

Genetic relationships among *Rousettus egyptiacus, R. angolensis, Myonycteris torquata*, and *M. brachycephala* were studied based on a starch-gel electrophoretic analysis of 31 presumptive loci encoding 22 enzymatic systems. Data were analyzed by both phenetic and phylogenetic procedures, considering both allele and loci as characters. All of the analyses (both quantitative and qualitative) showed a high level of concordance in establishing *R. (Lissonycteris) angolensis, M. torquata*, and *M. brachycephala* as a monophyletic group. Nevertheless, none of the analyses was clearly able to identify sister groups among these taxa. Based on the evidence generated here and from previous independent datasets, the maintenance of *Lissonycteris* within the genus *Rousettus* is not sustainable.

Juste B. , J., A. Machordom and C. Ibáñez (1996). Allozyme variation of the Egyptian Rousette (*Rousettus egyptiacus*; Chiroptera, Pteropodidae) in the Gulf of Guinea (West-Central Africa).

Genetic variation among the populations of *Rousettus egyptiacus* from the islands of the Gulf of Guinea (Bioko, Principe and São Tomé) and two other continental populations of *R. egyptiacus*, (Rio Muni and Guinea Conakry) was studied in order to evaluate their systematic and evolutionary relationships. Insular and mainland populations had similar levels of genetic variation. The data support the subspecific assignment of the São Tomé and Principe populations of *R. egyptiacus*.

Justine, J.-L. (1989a). Une nouvelle espèce de *Capillaria* (Nematoda, Capillariinae) parasite de chauve-souris (Mammalia, Chiroptera) du Gabon.

Résumé. - Description de *Capillaria chabaudi* n. sp., parasite de l'estomac de *Rhinolophus silvestris* au Gabon. Le mâle possède deux ailes latéro-caudales de petites dimensions et épaisses, une bourse caudale membraneuse et un cirre inerme. La bourse caudale est soutenue par deux expansions pulpeuses bifurquées. Le spicule (long de 665 - 840 µm) est bien visible, peu sclérifié, sans stries transversales et à extrémité postérieure effilée. La femelle porte un appendice vulvaire. La face interne de la paroi du vagin utérin est striée transversalement. Les quatre espèces les plus proches morphologiquement de *C. chabaudi* n. sp. sont *C. speciosa* sensu Zdzitowiecki, 1970, parasite de chauves-souris d'Europe, *C. pipistrelli* sensu Wang, 1982, *C. kashmirensis* et *C. rhinolophi*, trois espèces parasites de chauves-souris d'Asie. *C. chabaudi* est la première espèce de *Capillaria* trouvée en Afrique centrale chez un Chiroptère.

Abstract. - Description of *Capillaria chabaudi* n. sp., a stomach parasite of *Rhinolophus silvestris* from Gabon (Africa). The male has two small and thick latero-caudal alae, a membranous caudal bursa and a non-spiny cirrus. The caudal bursa is supported by two forked expansions. The spicule (665 - 840 µm in length) is well visible, little sclerified, without transverse striations, and with a pointed posterior extremity. The female bears a vulvar appendage. The inner face of the wall of the vagina uterina shows transverse striations. The four species morphologically most closely related to *C. chabaudi* n. sp. are *C. speciose* sensu Zdzitowiecki, 1970, a parasite of european bats, *C. pipistrelli* sensu Wang, 1982, *C. kashmirensis* and *C. rhinolophi*, three species parasitic in asian bats. *C. chabaudi* is the first species of *Capillaria* found in central Africa in a Chiroptera.

Justine, J.-L. (1989b). Quatre nouvelles espèces de *Capillaria* (Nematoda, Capillariinae) parasites de Chiroptères du Gabon.

Résumé. - Description de quatre espèces de *Capillaria* parasites de microchiroptères du Gabon. Les trois premières espèces ont en commun: chez le mâle, deux ailes latéro-caudales, une bourse caudale membraneuse, un cirre inerme; chez la femelle, la présence d'un appendice vulvaire et des œufs à surface lisse. *Capillaria landauae* n. sp., de l'intestin et estomac de *Rhinolophus silvestris*, a un spicule fin strié transversalement, long de 650 µm, une bourse caudale de petite dimension soutenue par deux expansions pulpeuses bifurquées, et la femelle possède un prolongement fibreux à l'extrémité postérieure de l'ovaire et une petite bande bacillaire médiane en plus des bandes latérales. *C. brosseti* n. sp., de l'intestin de *Rhinolophus landeri* a un spicule non sclérifié, presque invisible, long de 300 µm, un cloaque à cuticule interne puissante, une bourse caudale de grande dimension soutenue par deux expansions massives portant chacune trois papilles. *C. gabonensis* n. sp., de l'intestin de *R. landeri*, est proche de *C. brosseti* mais est différencié par la forme des stichocytes et les dimensions des œufs. Une quatrième espèce, *C. magnova* n. sp., de l'estomac de *Miniopterus inflatus*, est décrite à partir de femelles seulement. Cette espèce a aussi un appendice vulvaire; elle se différencie des trois autres par ses œufs de dimensions importantes et pourvus de stries au niveau des pôles. L'existence de spicules non sclérifiés, visibles seulement avec un microscope équipé du contraste interférentiel de Nomarski (chez *C. brosseti, C. gabonensis* et probablement d'autres espèces), est considérée comme un argument contre la validité du genre *Skrjabinocapillaria* Skarbilovitsch, 1946.

Abstract. - Four new species of *Capillaria* parasites of microchiropterans, are described from Gabon. Three species share: two latero-caudal alae, a membranous caudal bursa and a non-spiny cirrus in the male; presence of a vulvar appendage and eggs with smooth surfaces in the female. *Capillaria landauae* n. sp. is found in the intestines and stomach of *Rhinolophus silvestris*. The male has a thin, transversally striated spicule 650 µm in length, and a small membranous caudal bursa which surrounds two forked protrusions; the female has an ovary provided with a posterior fibrous expansion and a small median bacillary band in addition to the two usual lateral bands. *C. brosseti* n. sp. is found in the intestines of *Rhinolophus landeri*. The male has a non-sclerified, almost invisible spicule 300 µm in length, a cloaca with a powerful internal cuticle, and a large caudal membranous bursa which surrounds two massive protrusions each of which bears three papillae. *C. gabonensis* n. sp., found in the intestines of *R. landeri*, is similar to *C. brosseti* but is distinguished by the shape of stichocytes and the egg dimensions. A fourth species, *C. magnova* n. sp., is found in the stomach of *Miniopterus inflatus*, and is described only from females. This species also has a vulvar appendage and it is distinguished from the three above species by its eggs, which have greater dimensions and bear polar striations. The existence of non-sclerified spicules in *C. brosseti* and *C. gabonensis* (probably also found in other species) and which are only visible with a microscope equiped with Nomarski interference contrast is considered to be an argument against the validity of the genus *Skrjabinocapillaria* Skarbilovitsch, 1946.

Kalko, E. K. V. and H.-U. Schnitzler (1993). Plasticity in echolocation signals of European pipistrelle bats in search flight: implications for habitat use and prey detection.

We studied the echolocation and hunting behaviour of three aerial insectivorous species of bats (Vespertilionidae: *Pipistrellus*) in the field in order to characterize the signals used by the bats and to determine how call structure varies in relation to habitat structure ("uncluttered" versus "cluttered" space). We documented free-flying, naturally foraging wild pipistrelles in various habitats using multiflash stereophotography combined with simultaneous sound recordings. Then we reconstructed the bat's flight position in three-dimensional space and correlated it with the corresponding echolocation sequences. In all three species of pipistrelles, signal structure varied substantially. In echolocation sequences of the search phase we found a consistent association of signal types with habitat types. In uncluttered habitats (obstacles more than 5 m from the bat) pipistrelles emitted almost exclusively narrowband signals with bandwidths less than 15 kHz. In cluttered habitats (obstacles less than 5 m from the bat) they switched to signals with bandwidths of more than 15 kHz. Wideband signals were also used when the bats were turning in cluttered and uncluttered spaces and for an instant after turning away from obstacles. Prey detection occurred only when the outgoing signal did not overlap with the returning echo from potential prey. The bats also avoided overlap of echoes from

potential prey and obstacles. Based on the results of this study, we propose an overlap-free "window" within which pipistrelles may detect potential prey and which allows predictions of minimum distances to prey and clutter-producing objects.

Kearney, T. C. and P. J. Taylor (1997). New distribution records of bats in KwaZulu-Natal.

New distribution records are documented for four species of Microchiroptera, including two which are new to South Africa (*Scotoecus albofuscus* (Thomas 1890) and *Eptesicus rendalli* (Thomas 1889)), one which is new to KwaZulu-Natal (*Laephotis* cf. *wintoni* Thomas 1901), and one which represents a significant range extension within KwaZulu-Natal (*Pipistrellus anchietai* (Seabra 1900)).

Keller, A. (1986). Etude comparative de la structure fine des poils des Pipistrelles d'Europe (Mammalia: Chiroptera).

Comparative study on the different hair structures of the European Pipistrelles (Mammalia: Chiroptera).

The author describes and uses the different forms of the cuticular scales of the second guard hair to distinguish the four species: *Pipistrellus pipistrellus, P. nathusii, P. kuhli* and *P. savii*. The author proposes an artificial identification key, principally based on the shape of the scaly cuticula observed in the middle and on the distal hair part.

Kemp, G. E. (1975). Viruses other than arenaviruses from West African wild mammals. Factors affecting transmission to man and domestic animals.

At least thirty-seven different viruses have been isolated from wild mammals in West Africa since 1962. Some of these, including Lassa virus, are already known to cause serious human morbidity and mortality. Crimean haemorrhagic fever-Congo virus, Dugbe virus, Mokola virus, and smallpox-like agent from a gerbil in Dahomey are briefly discussed. An account of social and ecologic factors affecting man, domestic animals, and their interaction with wild mammals is given.

Kemp, G. E., O. R. Causey, H. W. Setzer and D. L. Moore (1974). Isolation of viruses from wild mammals in West Africa, 1966-1970.

During the 5-year period 1966 - 1970, a total of 7497 wild mammals of at least 101 different species were collected from 36 locations in Nigeria, Dahomey, and Togo and sampled for virus. The collections were made in five ecologically distinct vegetative zones: high forest, Guinea, Sudan, and Sahel woodland, and the Jos Plateau. Sixteen different virus types, represented by 83 isolates, were recovered, as follows: Arumowot (6 isolates), Bhanja (2), bluetongue type 7 (1), Chandipura (1), Congo (2), Dakar bat (3), Dugbe (1), IbAn 17143 (1), IbAn 33709 (1), Lebombo (1), Mokola (4), poxvirus IbAn 34325 (1), Semliki Forest (1), SudAn 754/6 1 (53), Uganda 5 (3), and West Nile (2). Viruses were isolated from Nigeria, the principal area of mammal collecting, and Dahomey, but not from Togo. The possible relationship of these viruses to diseases of man and domestic animals is discussed.

Kershaw, P. S. (1921). IV. - On the collection of South African mammals in the Durban Museum.

Mr. E. C. Chubb, the Curator of the Durban Museum, Natal, recently sent to the British Museum a large collection of small mammals for identification, a description of which, it is thought, may prove of interest to mammalogists.

Specimens have been contributed by a great many collectors principally from Natal and Zululand, but also from Cape Colony, Portuguese East Africa and Rhodesia. Among the chief contributors may be mentioned Mr. P. A. Sheppard at Vumba, Gorongoya district, on parallel 20 S in Portuguese East Africa; Mr. W . E. Jones at M'Fongosi, Zululand; Mr. H. H. Swinny in the Port St. John district, West Pondoland; Mr. L. Bevis in Zululand and Natal; the Rev. R. Godfrey at Pirie, Kingwilliamstown, Cape Colony; and Mr. E. C. Chubb in various localities.

Out of the collection, two new forms, a *Pachyura* and a *Sylvisorex*, have emerged which are described in this paper. These together with nine other specimens have been presented to the British Museum.

Kershaw, P. S. (1923a). Notes on mammals collected by Dr. H. Schouteden in the Belgian Congo.

This part of the collection, which was made by Dr. SCHOUTEDEN on behalf of the Congo Museum, Tervueren, on the Lower Congo and Kasai Rivers, was sent to the British Museum for comparison, with the types and series of specimens from the Congo in the possession of the latter. It has been found necessary to describe as new three forms, *Petrodromus tordayi tumbanus, Funisciurus mayumbicus* and *Protoxerus stangeri personatus*.

The paratypes of these, and certain other specimens Dr. SCHOUTEDEN has kindly presented to the British Museum.

As many of the localities given do not appear on ordinary maps, I have thought it well, on the first occurrence of such a name in this paper, to indicate its approximate position.

Keymer, I. F. (1971). Blood protozoa of insectivores, bats and primates in Central Africa.

A survey was made of blood protozoa of wild mammals in Central Africa and the parasites of Insectivora, Chiroptera and Primates are described.

Trypanosoma petrodromi was rediscovered in *Petrodromus treadactylus* and redescribed. A similar trypanosome found in *Elephantulus brachyrhynchus* is considered to be a new subspecies, *Trypanosoma petrodromi chitali*. This elephant-shrew was also infected with "*Plasmodium*" [gen. indet.] *brodeni* and probably represents a new host record. *Rhynchocyon cirneu* also appears to be a new host record for *Sarcocystis* sp. An unidentified trypanosome was found in a *Crocidura* sp. of shrew.

A *Hepatocystis* sp (probably *H. epomophori*) was found in *Epomophorus labiatus* and a *Nycteria* sp. (probably *N. medusiformis*) in *Nycteris thebaica*. So called "broad trypaonosomes" were found in four species of insectivorous bats and *Trypanosoma vespertilionis* in *Hipposideros caffer*.

Trypanosoma perodictici was found in *Galago crassicaudatus; Hepatocystis kochi* in *Cercopithecus aethiops* and a *Hepatocystis* in *Papio ? cynocephalus*.

No parasites were found in the insectivores, *Crocidura luna* and *C. flavescens* or in the bats, *Tadarida (Mops) condylura* and *T. (Chaerephon) pumila*.

There was no evidence that any of the parasites were pathogenic.

Khajuria, H. (1988). A new species of rat-tailed bats (Chiroptera: Rhinopomatidae) from Iraq.

A new species of rat-tailed bats, *Rhinopoma hadithaensis* is described from the Iraqi western desert. It is, easily distinguished from the other three species of the genus by the characters of the baculum, external male genetalia, size, colouration and to some extent by the form of nasal inflations.

Khalil, L. F. (1975). Two new species of the nematode genus *Spirura* Blanchard, 1849, from bats in Tanzania.

Spirura hipposiderosi n. sp. from the stomach of *Hipposideros ruber* resembles *S. diplocyphos* but differs in the head structure, the shape and size of the spicules, the position of the vulva and the presence of a tuft of spines in the male tail. *Spirura nycterisi* n.sp. from *Nycteris thebaica* and *Hipposideros ruber* resembles *S. spinicaudata* but differs in the presence of a membrane round the posterior half of the left spicule, the presence of a tuft of spines at the tipe of the male tail, the position of the vulva and the size of the eggs. A key to the African species of *Spirura* is given.

Killick-Kendrick, R. (1973). Parasitic protozoa of the blood of rodents. III. Two new malaria parasites of Anomalurine flying squirrels of the Ivory Coast.

Stained films of heart blood of 37 specimens of flying squirrels in the Ivory Coast were examined for malaria parasites. Two new species were found in blood films from *Anomalurus peli*. The name *Plasmodium landauae* sp. nov. is proposed for one, and *Plasmodium pulmophilum* sp. nov. for the other. Differences between the new parasites and *P. anomaluri* Pringle, 1960 of *A. derbianus* in Tanzania are discussed.

Protozoaires parasites du sang des Rongeurs: III. Deux nouveaux parasites malariques d'écureuils volants de la Côte d'ivoire.

Des frottis de sang de 37 Ecureuils volants ont été examinés en Côte-d'Ivoire, à la recherche de parasites du Paludisme. Deux espèces de *Plasmodium* ont été trouvées dans le sang d'*Anomalurus peli*. L'une d'entre elles est nommée *Plasmodium landauae* n. sp. et la seconde *Plasmodium pulmophilum* n. sp. Les caractères différentiels entre les nouvelles espèces et *P. anomaluri* Pringle, 1960, parasite d'*A. derbianus* en Tanzanie, sont discutés.

King, A., P. Davies, Lawrie and A. (1990). The rabies viruses of bats.

In the 1930s rabies was shown to affect blood-, insect- and fruit-eating bats. We have prepared antinucleocapsid monoclonal antibodies (MAbs) using Mokola and bat (Lagos, Duvenhage and Denmark) rabies viruses as immunogens. With these MAbs we have examined rabies viruses from vampire, insectivorous and frugivorous bats from the Americas, Africa, Europe and the Soviet Union and have compared them with isolates from terrestrial species including man. As well as confirming the findings of others with viruses of African and American bat origin, the results revealed the presence of a second biotype in European bats and demonstrated the presence of serotype 1 as well as serotype 4 viruses in bats of the Soviet Union.

Kirsch, J. A. W., T. F. Flannery, M. S. Springer and F. J. Lapointe (1995). Phylogeny of the Pteropodidae (Mammalia: Chiroptera) based on DNA hybridisation, with evidence for bat monophyly.

We constructed DNA-hybridisation matrices comparing 18 genera of Megachiroptera and an outgroup microchiropteran, and eight species of *Pteropus* and two related genera. Three species each of Megachiroptera and Microchiroptera, two of Primates, and an outgroup armadillo were compared in another matrix; additional representatives of other mammalian orders figured in a further set of experiments. Among the megachiropterans examined, *Nyctimene* and *Paranyctimene* comprise the sistergroup to other pteropodids. Of the "macroglossines", only *Macroglossus* and *Syconycteris* are associated apart from typical pteropodines, while the four remaining nectar-feeders (*Eonycteris, Megaloglossus, Melonycteris, Notopteris*) are independently linked with non-nectar-feeding clades.

Thus, *Megaloglossus* is the nearest relative of *Lissonycteris*; with *Epomophorus* and *Rousettus* successive sister-groups to both, while *Eonycteris* is the sister of all four; *Melonycteris* and *Pteralopex* form a trichotomy with the closely related *Acerodon* and *Pteropus*, and *Notopteris* is the sister-taxon to all four. It therefore appears that anatomical specialisations for nectar- and pollen-feeding evolved (or were lost) several times within Pteropodidae. *Cynopterus* and *Dobsonia* represent additional clades within the Pteropodinae, with which *Thoopterus* and *Aproteles* are respectively paired. Comparisons among species of *Pteropus* and related genera suggest that *Acerodon* may be congeneric with *Pteropus*, but that *Pteralopex* clearly is not. The ordinal-level matrices support bat monophyly: no order tested is closer to either of the chiropteran suborders than they are to each other, and bats are separated from Primates by at least two nodes. On the basis of previous rate determinations for mammals, we estimate that the African grouping (*Epomophorus, Megaloglossus, Lissonycterisi* is mid-Miocene in origin, that the two major pteropodid subfamilies (Nyctimeninae and Pteropodinae, including "Macroglossinae") separated in the Early Miocene, and that the divergence of chiropteran suborders dates from the latest Cretaceous or earliest Palaeocene. Arrangement of genera within Pteropodidae supports the family's Australo-Pacific or south-east Asian origin.

Kitchener, D. J. and N. Caputi (1985). Systematic revision of Australian *Scoteanax* and *Scotorepens* (Chiroptera: Vespertilionidae), with remarks on relationships to other Nycticeiini.

Classical and numerical taxonomic approaches based on morphology and utilising electrophoretic information have been applied to clarify the status of Australian species hitherto placed in the genus *Nycticeius*. Eight named forms have been reduced to five species; these are placed in existing genera: *Scoteanax (rueppellii)* and *Scotorepens* (*orion, balstoni, sanborni* and *greyii*).

Phylogenetic analysis of species representative of other Nycticeiini genera, and of geographic groupings of these Australian species, provides additional support for the above generic conclusions.

Indicators of gross morphology (skull, radius and lower tooth row lengths) in *Scotorepens* spp. vary in relation to their sex, and to latitude, longitude and several climatic variables, particularly average minimum temperatures in July.

Kitchener, D. J., N. Caputi and B. Jones (1986). Revision of Australo-Papuan *Pipistrellus* and *Falsistrellus* (Microchiroptera: Vespertilionidae).

A classical morphological taxonomic approach has been used to clarify the status of Australian and New Guinea species usually placed in the genus *Pipistrellus*. Multivariate phonetic and phylogenetic analyses of a suite of morphological characters were undertaken to determine the relationships between the taxa recognised in this study.

In tropical Australia, *Pipistrellus tenuis wenstralis* Koopman, 1984, from coastal and near coastal Kimberley, Northern Territory and western Queensland is elevated to species status. *Pipistrellus adamsi* sp. nov. is described from north Queensland and Northern Territory.

In New Guinea the following species of pipistrelles are recognised: *P. papuanus* (Peters and Doria, 1881); *P. angulatus* Peters, 1880; *P. collinus* Thomas, 1920 - as well as *P. wattsi* sp. nov. which is described from southeastern coastal New Guinea.

In more southern parts of Australia two species are recognised and placed in the genus *Falsistrellus* Troughton, 1943 [*F. tasmaniensis* (Gould, 1858) and *F. mackenziei* sp. nov.]. The former species is from Tasmania, Victoria, New South Wales and southeastern Queensland and the latter is described from southwestern Australia.

The phylogenetic and phonetic analyses support the generic distinction between *Falsistrellus* and *Pipistrellus* and suggest that the northern Australian pipistrelles have evolved independently from New Guinea species.

Kityo, R. M. and J. C. Kerbis (1996). Observations on the distribution and ecology of bats in Uganda.

Bat community patterns in Uganda are examined in relation to their occurrence in the different vegetation zones of the country. The data available so far cover only three of the country's floristic regions. These data suggest that the northern drier region U1 has more microchiropteran bats ancl that species diversity of megachiropteran bats tends to increase in the more forested western U2 and southern U4 regions. Species accounts in the appendix largely summarise the known information, they reveal that much more work is required to fully document the bats of Uganda.

Koch-Weser, S. (1984). Fledermäuse aus Obervolta, W-Afrika (Mammalia: Chiroptera).

The number of bat species known for Upper Volta is raised from 27 to 33 by further records of: *Rhinopoma hardwickei, Rh. Microphyllum, Taphozous nudiventris, Asellia tridens, Hipposideros jonesi, Pipistrellus rusticus*. For these and further 18 species locality records, measurements and biological data are given (i.e. for *Eidolon helvum, Epomophorus gambianus, Lissonycteris angolensis, Micropteropus pusillus, Taphozous perforatus, Nycteris hispida, N. macrotis, N. thebaica, N. gambiensis, Rhinolophus landeri, Rh. Fumigatus, Hipposideros ruber, H. abae, Eptesicus guineensis, Nycticeius schlieffeni, Scotophilus leucogaster, Tadarida pumila* and *T. majori*.

Vom 1.VII.1980-15.I.1981 wurden in Obervolta über 350 Mega- und Microchiropteren gefangen und vermesen. Insgesamt wurden 24 Arten gesammelt, darunder sechs Erstnachweise, die die Artenzahl in Obervolta von 27 auf 33 erhöhen: *Rhinopoma hardwickei, Rh. Microphyllum, Taphozous nudiventris, Asellia tridens, Hipposideros jonesi, Pipistrellus rusticus*. Alle 24 Arten warden beschrieben, gegebenenfalls die Taxonomie diskutiert. Verbreitungskarten, vor allem der Erstnachweise, Feldbeobachtungen und biologische Daten zur Lebenweise, Verhalten in Gefangenschaft, Fortpflantzung, Trink- und Nahrungsverhalten werden vergleichend diskutiert. Auf die Abwaderungen der im Sahel Obervoltas vorkommenden Arten während die Trockenzeit wird eingegangen.

Kock, D. (1967). Ein Neunachweis von *Myotis welwitschi* und der Status von *Myotis venustus* (Mammalia, Chiroptera).

Im Zusammenhang mit einem Neunachweis von *Myotis welwitschi* (Gray 1866) für Zambia wird eine kritische Revision der Nomenklatur, Systematik, Verbreitung und Variation der Färbung und Maße dieser Art vorgenommen. Die Form *venustus* Matschie 1899 hat keinen subspezifischen Wert.

In collection with the first record of *Myotis welwitschi* (Gray, 1866) from Zambia, a critical review of nomenclature, systematic, distribution and variation of colour and measurements of this species is given. The form described as *venustus* Matschie 1899 is not of subspecific value.

En relation avec la première trouvaille d'un *Myotis welwitschi* (Gray 1866) en Zambia, une revision critique du nomenclature, systématique, distribution et variation de couleur et des mensurations de cette espèce est faisée. La forme *venustus* Matschie 1899 n'est pas du valeur subspécifique.

Kock, D. (1969a). Die Fledermaus-Fauna des Sudan (Mammalia, Chiroptera).

Für den Sudan wird seit 1877 erstmals wieder eine Revision der Chiropteren-Fauna vorgenommen. Insgesamt sind 59 Fledermaus-Arten belegt, 5 weitere, darunter 2 nicht identifizierte werden diskutiert. Die sicher nachgewiesenen Arten verteilen sich wie folgt auf 9 Familien: 5 Pteropidae, 2 Rhinopomidae, 5 Emballonuridae, 5 Nycteridae, 1 Megadermidae, 7 Rhinolophidae, 5 Hipposideridae, 9 Molossidae, 20 Vespertilionidae. Die Systematik im Bereich der Arten und Unterarten wird kritisch

untersucht und nach in anderen Bereichen gewonnenen Erkenntnissen revidiert. Eigene Aufsammlungen werden ergänzt durch Vergleichsmaterial. Feldbeobachtungen an 26 vom Verf. im Sudan selbst gesammelten Arten erweitern die Kenntnisse über die Biologie afrikanischer Chiropteren. Die Zoogeographie der sudanesischen Chiropteren, ökogeographische Variationen und ökologische Adaptationen werden diskutiert.

Since 1877 the first revision of the chiropteran fauna of the Sudan is given. Altogether 59 species of bats are represented, further 5 are discussed, including 2 unidentified. Those undoubtedly recorded are belonging to 9 different families (vide supra). The systematics of the species and subspecies level is critically studied and revised according to results from other fields. Personal collections are completed extensively by comparative material. Field observations of 26 species collected by the author in the Sudan add to the knowledge of African chiropteran biology. Zoogeographical aspects of the Sudanese bat fauna, ecogeographical variations, and ecological adaptations are discussed.

Pour le Soudan, la première révision depuis 1877 de la faune des chiroptères est faite. Les espèces des chauves-souris représentées sont au nombre de 59 et en outre 5 sont discutées, parmis eux 2 non identifiées. Les espèces assurément recordées se distribuent aux 9 familles (voyez en haut). La systématique au rang des espèces et sous-espèces est étudiée critiquement et révisée d'après les résultats d'autres domaines. Collections personnelles sont complétées par matériel comparatif. Observations faites par l'auteur sur 26 espèces au cour de rassemblement au Soudan élargissent les connaissances de la biologie des chiroptères africains. La Zoogéographie des chiroptères soudanais, variations écogéographiques et adaptations écologiques sont discutées.

Kock, D. (1969b). Ueber ein weibliches Exemplar des afrikanischen Bulldogg-Fledermaus, *Xiphonycteris spurelli* von Fernando Poo.

Ein weiterer Beleg für *Xiphonycteris spurrelli* DOLLMAN 1911 von Fernando Poo ist das zweite bekannte ? von dieser Art. Es zeigt bemerkenswerte Variation im Besitz von Praemolaren, wie sie als typisch für ? angesehen wurden, sowie eines überzähligen unteren Incisiven und stärkerer unterer Canini.

A further specimen of *Xiphonycteris spurrelli* DOLLMAN 1911 from Ferando Poo is the second known ? of this species. It is remarkable in its dental variations by possessing praemolars of such a kind as were considered to be typical for males, in having a supernumerary lower incisor and larger lower canini.

Un nouveau spécimen de *Xiphonycteris spurrelli* DOLLMAN 1911 du l'ile Fernando Poo est le deuxième connu. II est remarquable pour ses variations dentales en y possédant des prémolaires dans une manière considérée typique pour des mâles, en y avoir un incisive inférieur supernumérair et des plus large canines inférieurs.

Kock, D. (1975). Ein Originalexemplar von *Nyctinomus ventralis* Heuglin 1861 (Mammalia: Chiroptera: Molossidae).

Die Untersuchung bisher unbekannter Strukturen und Dimensionen eines Original-Exemplares von *ventralis* HEUGLIN 1861 zeigt, daß diese Molossidae identisch ist mit und Priorität hat vor *africana* DOBSON 1876 und dieses Taxon als *Tadarida (Tadarida) ventralis* zu bezeichnen ist. Das HEUGLIN'sche Exemplar von Keren wird zum Lectotypus erwählt.

A study of the structures and dimensions, which were not yet known, of an original specimen of *ventralis* HEUGLIN 1861 proves this molossid bat to be identical with and having priority over *africana* DOBSON 1876; this taxon is to be named *Tadarida (Tadarida) ventralis*. HEUGLIN's specimen from Keren is chosen as lectotype.

L'étude des structures et des, dimensions inconnus d'un exemplair original du *ventralis* HEUGLIN 1861 établit le fait que cette molosse est identique avec et a priorité sur *africana* DOBSON 1876; il faut appeller cette taxon *Tadarida (Tadarida) ventralis*. L'exemplair d'HEUGLIN de Keren est choisi comme lectotype.

Kock, D. (1978a). Vergleichende Untersuchung einiger Säugetiere im südlichen Niger (Mammalia: Insectivora, Chiroptera, Lagomorpha, Rodentia).

Comparative study of some mammal species in southern Niger: *Crocidura flavescens, Erinaceus albiventris spinifex, Eidolon helvum, Epomophorus g. gambianus, Tadarida (Chaerephon) n. nigenae, Lepus capensis canopus, Gerbillus (G.) agag nigeriae*, of which a new large sized subspecies is described, *Tatera hopkinsoni, Mastomys erythroleucus* and *Acomys cahirinus johannis.- M. erythroleucus* is recorded from the Sudan, *G. agag* from Tchad. - The type localities of *E. a. spinifex* and *G. agag* are corrected. - Of the smaller gerbils, *asyutensis* SETZER 1960 is considered to be a subspecies of *gerbillus* OLIVIER 1801; *andersoni* DEWINTON 1902 is related with *eatoni* THOMAS 1902 and *inflatus* RANCK 1968 being different from *gerbillus; agag* THOMAS 1903 includes *nigeriae* THOMAS & HINTON 1920, *Rosalinda* ST. LEGER 1929 and *sudanensis* SETZER 1956, but not *dallonii* HEIM DE BALSAC 1936.

Neu für den Niger belegt wird *Tatera hopkinsoni*, zum zweiten Mal nachgewiesen werden *Crocidura ftavescens, Erinaceus albiventris spinifex, Eidolon helvum, Epomophorus g. gambianus* und *Tadarida (Ch.) n. nigeriae*; weitere Funde von *Lepus capensis canopus, Gerbillus (G.) agag nigeriae* mit *G. (G.) agag maradius* n. subsp., *Mastomys erytbroleucus* und *Acomys cahirinus johannis* werden vergleichend untersucht. - *M. erythroleucus* wird für den Sudan nachgewiesen, *G. agag* für den Tschad. - Der Typenfundort von *E. a. spinifex* und *G. agag* wird korrigiert. - Von den kleineren Gerbillen wird *asyutensis* SETZER 1960 als Unterart von *gerbillus* OLIVIER 1801 betrachtet; *andersoni* DEWINTON 1902 ist näher mit *eatoni* THOMAS 1902 und *inflatus* RANCK 1968 verwandt und von *gerbillus* zu trennen; *agag* THOMAS 1903 umfaßt als Art *nigeriae* THOMAS & HINTON 1920, *Rosalinda* ST. LEGER 1929 und *sudanensis* SETZER 1956, aber nicht *dallonii* HEIM DE BALSAC 1936.

Kock, D. (1981a). Zwei Fledermäuse neu für Kenya (Mammalia: Chiroptera).

For *Taphozous (Liponycteris) hamiltoni* and *Nycteris grandis* first records from Kenya are given together with measurements and distributional remarks. A supernumerary upper incisor is reported for *N. grandis*.

Taphozous (Liponycteris) hamiltoni und *Nycteris grandis* werden erstmals für Kenya nachgewiesen. Maße und Bemerkungen zur Verbreitung beider Arten werden angegeben. Ein überzähliger oberer Incisiv wurde bei *N. grandis* festgestellt

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Kock, D. (1981b). Zur Chiropteren-Fauna von Burundi (Mammalia).

The bat species known for Burundi are briefly reviewed and further records are given; four additional species are reported: *Micropteropus pusillus, Taphozous mauritianus, Nycteris macrotis, Eptesicus flavescens*. A list of acceptable species records summarizes the bat fauna hitherto known.

Die Fledermaus-Arten von Burundi werden diskutiert, weitere Funde gemeldet und die Faunenliste durch vier Neunachweise (*Micropteropus pusillus, Taphozous mauritianus, Nycteris macrotis, Eptesicus flavescens*) ergänzt.

Kock, D. (1983). Fledermaus-Fliegen in Iran (Insecta: Diptera: Streblidae, Nycteribiidae).

Of four known (*Brachytarsina diversa, Nycteribia pedicularia, N. vexata, Penicillidia dufouri*) and four new records of Iranian bat-flies (*B. flavipennis, N. schmidli, Stylidia biarticulata, P. conspicua*), synonymies, distributional data and/or host specifities are discussed.

Kock, D. (1987b). *Micropteropus intermedius* Hayman 1963 und andere Fledermause vom unteren Zaire.

A fourth specimen is reported and additional measurements are given for a 5 *Micropteropus intermedius* from the mouth of Zaire River. The species is known only from moist savanna SW of the central African forest block. - A last century bat collection from lower Zaire River is reviewed (with fixation of a paralectotype for *Epomophorus zenkeri* MATSCHIE 1899) and an additional one listed in appendices. - Additional material examined of *M. pusillus* is from Cameroon, Equatorial Guinea, and Ethiopia.

Kock, D. and V. Aellen (1987). Cimicidae parasites de Chiroptera du Muséum de Genève (Insecta: Hemiptera).

Cimicidae parasites of Chiroptera in the Geneva Museum. - *Bucìmex chilensis* is recorded for the first time from Argentine as a parasite on *Myotis aelleni*, and *Propicimex tucmatiani* for the first time from Paraguay as a parasite on *Molossus m. crassicaudatus*. *Cimex dissimilis* is confirmed from Switzerland, parasitic on *Nyctalus noctula* and *Myotis myotis*. *Paracimex borneensis* is recorded for a known locality in Sarawak with a range extension to Sabah/North Borneo, and *Aphrania recta* from Zaire on an additional host, *Eptesicus tenuipinnis*. Transport of *Propicimex tucmatiani* and *Cimex dissimilis* by flying hosts are stated. Specimens identified by W. E. China and linked with previous publications are included. *Cimex lectularius* from W-France on *Myotis myotis*, *Cacodmus sumatrensis* from Sumatra on *Cynocephalus variegatus*, *C. villosus* from S-Zaire in colony of *Laephotis* sp. and *Afrocimex leleupi* from S-Zaire.

Kock, D. and H. R. Bhat (1994). *Hipposideros hypophyllus* n. sp. of the *H. bicolor*-group from peninsular India (Mammalia: Chiroptera: Hipposideridae).

Hipposideros hypophyllus n. sp. Is described from Karnataka in Peninsular India. Skull characters place it in the *galeritus*-subgroup of the *H. bicolor*-group sensu HILL (1963). It is unique among small sized Asian species of the *bicolor*-group in the structure of its horseshoe which has a single pair of supplementary leaflets. Its affinities are discussed and differences from *H. pomona* emphazised.

Hipposideros hypophyllus n. sp. Wird aus Karnataka, Zentral Indien, beschrieben. Den Schadelrnerkmalen nach muß die Art der *galeritus*- Untergruppe der *H. bicolor*-Gruppe sensu HILL (1963) zugeordnet werden. Sie ist einzigartig unter den kleineren asiatischen Arten der *bicolor*-Gruppe in der Struktur ihres Nasenblattes mit einem Paar supplernentarer Blattchen. Ihre Verwandtschaft wird diskutiert und die Unterschiede gegenüber der metrisch ahnlich großen *H. pomona* (species inquirenda, ? Nom. Dubium) herausgestellt.

Kock, D., D. C. D. Happold and M. Happold (1998b). Cimicidae and Polyctenidae from Malawian Chiroptera (Insecta: Hemiptera).

Cacodmus villosus, C. sparsilis, Aphrania cf. *barys* (Cimicidae) and *Adroctenes horuathi* (polyctenidae) are recorded from Malawi, Central Africa. All except *C. villosus* are first records for Malawi. The known distribution and host associations for the four species are listed and discussed. One host, *Pipistrellus*

rusticus was parasitised by both *C. villosus* and *C. sparsilis* simultaneously. *Pipistrellus rusticus, Scotoecus albigula* (hosts of *C. sparsilis*) and *Eptesicus melckorum* (host of *Aphrania* cf. *barys*) are new hosts for the Cimicidae, and *Rhinolophus fumigates* and *R. blasii* are new hosts for the Polyctenidae and for *Adroctenes horuathi*.

Kock, D. and K. M. Howell (1988). Three bats new for mainland Tanzania (Mammalia: Chiroptera).

Rhinolophus blasii empusa, Rh. swinnyi (Rhinolophidae) and *Laephotis wintoni* (Vespertilionidae) are added to the bat fauna of mainland Tanzania. Measurements are given and the ranges of the species are mapped. - The number of bat species presently known from Tanzania is 78.

Rhinolophus blasii empusa, Rh. swinnyi (Rhinolophidae) und *Laephotis wintoni* (Vespertilionidae) werden erstmals vom kontinentalen Tanzania gemeldet. Für diese Arten werden Maßen mitgeteilt und die Verbreitung dargestellt. Die Trennung der subsaharischen Unterarten von *Rh. blasii* und die mögliche Synonymie von *Rh. swinnyi* mit *Rh. denti* erfordert Untersuchungen umfangreichen Materials. - Bisher sind 78 Fledermaus-Arten für Tanzania nachgewiesen.

Kock, D. and I. A. Nader (1979). Two bat flies from the Kingdom of Saudi Arabia, their nomenclature, host specificity and zoogeography (Insecta: Diptera: Nycteribiidae).

Stylidia integra (THEODOR & MOSCONA 1954) and *Eucampsipoda aegyptia* (MACQUART 1851) are first records of Nycteribiidae for Saudi Arabia; the latter species is recorded for the first time from Jordan. Nomenclature, distribution and host associations are discussed.

Koneval, M. E. (1993). The systematic relationship of *Hipposideros commersoni matungensis* to other species of Rhinolophidae (Chiroptera).

The hyoid morphology of *Hipposideros commersoni matungensis* was dissected and compared to the morphology of other bats in the family Rhinolophidae. Several significant differences in morphology were found: a modified stylohyal, fused to the auditory bulla; loss of the stylohyoid; addition of a new muscle, possibly from the stylopharyngeus; a modified mylohyoid profundus; and insertion of the ceratohyoid onto only the stylohyal. Cladistic analysis suggests that of all bats examined, *H. commersoni* is most closely related to *H. armiger*, and *Triaenops persicus* is most closely related to *Rhinonycteris aurantius*. This result is unexpected because the ranges of the species are geographically distant: *H. commersoni* is an African bat, whereas *H. armiger* is from East Asia. *Triaenops* is also an African species, whereas *Rhinonycteris* is Australian.

Koopman, K. F. (1965). Status of forms described or recorded by J.A. Allen in "The American museum Congo expedition collections of bats".

In 1917, J. A. Allen, H. Lang, and J. P. Chapin published an important paper on the bats collected by the American Museum Congo Expedition. This collection of bats was apparently the first really important one made in the former Belgian Congo, even though most of it was limited to the northeastern part of the country. Part I of the paper, the "Systematic List," was written by J. A. Allen alone. In this account he listed 68 forms, three of which he described as new subspecies and 23 as new species. He also described two new subgenera. In the nearly 50 years which have elapsed since this publication, many additional specimens of bats have been collected in the Congo (see especially Schouteden, 1947), and considerable taxonomic work has been done on many of the genera involved. As a result of this work, some of the forms described by Allen have been recorded from other localities,

and a few have been synonymized. A number of forms named for the first time by Allen, however, have not been recorded by later writers.

Since I have studied all the types and most of the remaining material mentioned by Allen in connection with a forthcoming paper on the bats of the Sudan, it seemed desirable to make a reassessment of Allen's identifications and to relate this material to other specimens collected in the former Belgian Congo (not including Ruanda-Urundi). In this connection, I have looked at much hitherto unreported material at the American Museum of Natural History. I list additional species of Congo bats in the American Museum which are not represented in the Lang-Chapin collection. The specimens are discussed under the names by which they were identified by Allen.

This study was greatly facilitated by National Science Foundation Grant GB-l391 which enabled me to visit the British Museum (Natural History) in London, the Corynden Museum in Nairobi, and the National Museum in Bulawayo. I wish to thank the staffs of these institutions, particularly Mr. R. W. Hayman, Mr. J. E. Hill, and Miss Jean Ingles at the British Museum, Mr. John Williams of the Corynden Museum, and Mr. Graham Child of the National Museum. I wish to thank, also, Miss Barbara Lawrence of the Museum of Comparative Zoology at Harvard College for the loan of specimens. I had the benefit of stimulating conversations on many taxonomic problems from Dr. David Harrison in England and Mr. Frank Ansell in Rhodesia.

Koopman, K. F. (1966). Taxonomic and distributional notes on Southern African Bats.

Taxonomic and distributional notes are given for southern African Chiroptera of the genera *Rousettus, Epomophorus, Rhinolophus, Hipposideros, Cloeotis, Myotis, Pipistrellus, Miniopterus, Tadarida*, and *Platymops*. The known range of some species is extended, and the systematic position of several species is clarified. Some taxonomic questions, however, are left open pending availability of additional material.

Koopman, K. F. (1970). Zoogeography of bats.

The Order Chiroptera is the second largest order of mammals, with, according to my most recent revised figure, 846 species. Inasmuch as the group is world-wide, reaching many distant islands, and inasmuch as many species and higher groups are quite localized and some very distinctive, one might expect that a good deal of work on bat zoogeography would have been undertaken. However, such is not the case.

Darlington (1957, pp. 320-410) does discuss the general geographical patterns of bats, and Tate (1946) gives a useful analysis of the bats of the Malay archipelago. However, many writers on zoogeography have given them at best a very perfunctory treatment. This contrasts markedly with the attention given to bird zoogeography. From talking with various zoogeographers, I suspect the reason is that whereas birds are treated as a separate group in their own right, bats are treated as part of the Class Mammalia. Since all bats can fly, there seems to be a general assumption that they regularly cross various kinds of geographical barriers at will, with the result that they have been rather consistently downgraded with respect to flightless mammals in zoogeographical studies (see, e.g., Bigalke, 1968).

Actually, except for their ability at crossing narrow water gaps without too much difficulty, bats have several advantages in zoogeographical studies over various other groups of land vertebrates. With a very few exceptions, they are not likely to fly over the open ocean as part of their normal activities. They are almost entirely free of the problems of human introduction. I know of only one case where (unintentional) human introduction has played a role, and this has not resulted in an introduced population. This was a specimen of the North American *Myotis lucifugus*, collected in Iceland, that is believed to have been inadvertently transported by ship (see Koopman & Gudmundsson, 1966). Aside from the advantages mentioned above, the large number of species, at least in the tropics, means that there are enough individual cases to enable zoogeographical patterns to be worked out.

Koopman, K. F. (1971). Taxonomic notes on *Chalinolobus* and *Glauconycteris* (Chiroptera, Vespertilionidae).

The African genus *Glauconycteris* is shown to be a subgenus of the Australasian genus *Chalinolobus*. The two Pacific island taxa of *Chalinolobus* are here called *Chalinolobus tuberculatus* and *Chalinolobus gouldi neocaledonicus*. Three problematical species of the subgenus *Glauconycteris* are discussed and their suggested taxonomic status are represented by the names *Chalinolobus (Glauconycteris) variegatus machadoi, Chalinolobus (Glauconycteris) beatrix humeralis*, and *Chalinolobus (Glauconycteris) alboguttatus*.

Koopman, K. F. (1975). Bats of the Sudan.

A revision of the species of bats (Chiroptera) occurring in the Republic of the Sudan (the former Anglo-Egyptian Sudan) is presented. Sixty-six species are definitely recognized as occurring within the boundaries of the country, whereas some 38 others are known from nearby areas and may cross its borders. All eight of the widespread Old World families are represented. Most of the Sudan lies within the Ethiopian region but a relatively small area in the north is best allocated to the arid southwestern Palearctic. The bat fauna is grouped into nine ecogeographical categories (forest, forest-savanna, savanna, east African, desert, savanna-Palearctic, desert-Palearctic, Palearctic, and unclassified), and the Sudanese distribution of the species in each category is summarized. A number of interesting taxonomic problems are discussed, but the final resolution of most of them will involve analysis outside the Sudan.

Koopman, K. F. (1978). Zoogeography of Peruvian bats with special emphasis on the role of the Andes.

The known distribution of each of 122 species of bats from Peru is summarized. The Andean mountain chain affects these distributions both as a barrier and as a creator of habitat differentiation. Three main distributional areas are distinguished, the humid Amazonian lowlands (below 1000 m.), the highlands within the Amazonian drainage (above 1000 m.), and the chiefly arid Pacific slopes. Some complications occur in northwestern Peru, where the Pacific slopes (particularly the higher portions) are not arid, there are a few relatively low passes across the Andes, and the upper portions of certain Amazonian tributaries are arid. Instances of ecological (including altitudinal) replacement and specific or subspecific representation between the major ecological zones are discussed.

Koopman, K. F. (1981). A progress report on the systematics of African *Scotophilus* (Chiroptera, Vespertilionidae). Abstract.

The present state of our knowledge of taxonomy of African *Scotophilus* is reviewed emphasizing controversial points. Four species, *nigritellus, borbonicus, leucogaster (= "nigrita")*, and *gigas* are recognized, with synonymies given. Maps of the overall African distributions are given for these species (with the exception of *gigas*, over which there has been no biological controversy). Infraspecific variation is discussed only where it has been involved in specific discrimination.

Koopman, K. F. (1984a). Taxonomic and distributional notes on Tropical Australian Bats.

The bats of tropical Australia are reviewed with some 51 species recognized, though a few are very poorly known. A new subspecies, *Pipistrellus tenuis westralis* is described and *Rhinolophus megaphyllus ignifer* is synonymized with *R. m. megaphyllus*. The two previously recognized subspecies of *Macroderma gigas* are also synonymized. A majority of tropical Australian bats are

restricted to mesic areas, but a number are more or less arid tolerant. Only one species (*Taphozous hilli*) actually avoids mesic areas. The Cape York Peninsula has the greatest number of species with a falling off in numbers to the west and south. Of the three areas adjacent to tropical Australia, New Guinea shares a large number of species, whereas temperate Australia and the Lesser Sunda Islands share relatively few. New Guinea has probably been an important source area for tropical Australian bats, particularly those confined to the Cape York Peninsula. The low level of endemism among Australian bats strongly implies that there were no bats in Australia prior to the Miocene, when Australia drifted far enough to the north to be able to receive species occurring on the extended Malay archipelago. Since then some low level endemism and adaptive radiation has developed in Australia.

Koopman, K. F. (1986). Sudan bats revisited: An update of "Bats of the Sudan".

Rousettus lanosus, Myotis welwitschii, and *Scotophilus borbonicus* were recorded previously from Sudan and *Pipistrellus crassulus* is reported here. In the Sudan, *Pipistrellus crassulus* is a forest bat, *Scotophilus borbonicus* a savanna one, *Rousettus lanosus* and *Myotis welwitschii*. East African *Hipposideros ruber*, as distinct from *H. caffer*, is a forest bat, H. caffer now a savanna one.

Koopman, K. F. (1989a). Distributional patterns of Indo-Malayan bats (Mammalia: Chiroptera).

The bats of southeastern Asia and its islands (northeastern India, southern China, and the Riukiu islands to the Philippines, Sulawesi, and the Lesser Sundas) are enumerated with relevant taxonomic and distributional remarks. Some 254 species occur in this area. A majority of the species occur either in the Indochinese region (north of the Isthmus of Kra) or else in Malaya and the islands of the continental shelf. In each of the portions of this continental area, endemism is relatively low, even though some islands, such as Borneo, are very species-rich. Endemism is much higher in Sulawesi and the Philippines, which have a depauperate bat fauna but a much higher percentage of endemism. The indications from the bat fauna are very strong that the continental islands (separated by relatively shallow water) were recently connected to the mainland, whereas other islands were not.

Koopman, K. F. (1989b). Systematic notes on Liberian bats.

Based on previously unreported material, 32 species of bats are recorded from Liberia, bringing the total species known for that country to 52. The following species are recorded from Liberia for the first time: *Rhinolophus guineensis, Hipposideros fuliginosus, Myotis tricolor* (first record for western Africa), *Pipistrellus eisentrauti, "Eptesicus" brunneus, Glauconycteris poensis, Mops brachyptera*, and *M. spurrelli*. Other noteworthy findings are the confirmation of an unusually large form of *Rhinolophus clivosus* from tropical western Africa (here described as a new subspecies), the revelation of additional complexity in what is here called *Hipposideros ruber*, clarification of the distinction between *H. caffer* and *H. beatus*, and a discussion of the problems of distinguishing *Mops spurrelli* and *M. annulus*. It is clear that a large number of forest species, some basically East African, have been able to extend as far west as Liberia and probably to the western limits of the high forest.

Koopman, K. F. (1992). Taxonomic status of *Nycteris vinsoni* Dalquest (Chiroptera, Nycteridae).

The type of *Nycteris vinsoni* has been re-examined and the tragus partially reconstituted. It is now evident that the tragus is semilunate rather than pyriform in structure. This character causes *N. vinsoni* to be transferred from the *thebaica* group, where I had previously put it, to the *macrotis* group. I would therefore regard it as a subspecies of *Nycteris macrotis*.

Koopman, K. F. (1993b). Modern equivalents of genera in Dobson's 1878 "Catalogue of the Chiroptera of the British Museum".

In 1878, George Edward Dobson published his catalog including all the bat genera and species that were known to him. In 1880, he published a supplement to his catalog with additions and corrections. It should be pointed out that during much of the 19th and into the early 20th century the British Museum catalogs were major vehicles for publication of systematic research in zoology. Far more than mere lists of specimens, particularly the later ones were taxonomic revisions with diagnoses and keys of taxa whether represented by British Museum specimens or not. Dobson's 1878 catalog was such a work, giving, for each species, synonymy, diagnosis, distribution, and list of British Museum specimens, if so represented. This work was the standard source for almost 30 years until partially superseded by Miller's "Families and Genera of Bats." During this period, much was written on various aspects of bat biology, using the systematics of Dobson's catalog. Changes in systematics (particularly nomenclature) since Dobson, however, have made much of this literature difficult to use. At the original suggestion of Dr. William E. Rainey, I decided to compile a list of nomenclatural changes at the generic level since 1878, using my contribution to Wilson and Reeder's 1993 "Mammal Species of the World" as the present standard. I therefore list the genera as Dobson gave them with the present treatments of their contents. This, however, is based on Dobson's synonymies and does not guarantee that the British Museum specimens that he lists necessarily are referable to these species.

Koopman, K. F. (1997). The subspecies of *Emballonura semicaudata* (Chiroptera: Emballonuridae).

The four subspecies of the Pacific species *Emballonura semicaudata* are considered. Their taxonomic history, distribution, and characters are discussed. On the basis of size and morphology of skull, they form a linear series, *semicaudata-palauensis-rotensis-sulcata*.

Koopman, K. F. and J. K. Jones (1970). Classification of bats.

In the 10th edition of *Systema Naturae*, published in 1758 and the starting point of the binomial system of nomenclature currently employed in zoology, Linnaeus recognized seven species of bats, which he placed in a single genus (*Vespertilio*) and grouped with the primates and dermopterans. All of Linnaeus's seven species are recognized today, but as they now are classified each represents a distinctive genus, and the genera are arranged taxonomically in five different families of two suborders. In contrast to Linnaeus's scheme, the present classification of bats (long ago placed in a distinct order, Chiroptera) lists 847 Recent species, belonging to 169 Recent genera, 15 families (at least three other families are known only as fossils), and two suborders (see Table 1.)

Much work remains in elucidating the relationships of bats, even at the higher taxonomic levels. In the plethora of publications that have appeared in recent years on the distribution and systematics of bat genera and species, the trend has been to reduce the number of recognized taxa at these levels, even though some new species, and occasionally a new genus, are named annually. Several of the subsequent papers in this symposium touch on problems relating to classification.

Koopman, K. F., C. P. Kofron and A. Chapman (1995). The bats of Liberia: Systematics, Ecology, and Distribution.

Lists of bat species were (with critical taxonomic study when necessary) compiled for six countries of West Africa from Ghana to Guinea-Bissau (79 from Ghana, 62 from Ivory Coast, 57 from Liberia, 57 from Sierra Leone, 37 from Guinea, 24 from Guinea-Bissau) with a total (for all six countries) of 94 species. All but two species extend east of this region, 40 extend west of it, and two (*Rhinolophus guineensis, Hipposideros marisae*) appear to be confined to it. On the basis of overall distribution, 42 species are classified as basically forest, 18 as savanna, 29 ecologically widespread, and 5 (*Rhinolophus simulator, R. clivosus, R. maclaudi, Hipposideros marisae, Myotis tricolor*) as upland, at

least in West Africa. A more detailed analysis is attempted for those species occurring in Liberia. This has revealed a number of uncertainties and alternative interpretations. Some of these are probably related to the progressive deforestation that has accompanied human impact in Liberia as elsewhere.

Koopman, K. F., R. E. Mumford and J. F. Heisterberg (1978). Bat records from Upper Volta, West Africa.

The bats of Upper Volta are reviewed, based chiefly on previously unreported material. For the 27 species recognized, locality, habitat, and reproductive data are given. Taxonomic notes are added where necessary, and the distributional patterns in Upper Volta are considered in relation to the vegetation belts in West Africa. All but two species occur in the Sudan savanna, but nearly half of these also occur in the Guinea savanna, to which the two additional species appear to be confined. Several species reach the Sahel savanna. Whereas 12 species are recorded from Upper Volta for the first time, only two represent significant range extensions: *Pipistrellus deserti* south from Algeria and *Tadarida demonstrator* west from Sudan. A gazetteer of bat collecting localities in Upper Volta is included.

Korine, C. and Z. Arad (1993). Effect of water restriction on temperature regulation of the fruit-bat *Rousettus aegyptiacus*.

1. The thermoregulatory responses of the fruit-bat, *Rousettus aegyptiacus*, the only fruit-bat out of 32 bat species in Israel, were studied over a wide range of ambient temperature during normal hydration and during water restriction.

2. The thermoneutral zone of the normally-hydrated fruit-bat ranged between 31 - 36°C. Oxygen consumption in this range averaged 0.95 ± 0.15 ml g^{-1} h^{-1}.

3. Evaporative water loss and respiration frequency during normal hydration increased as power functions of ambient temperature and were significantly correlated ($P < 0.02$). The normally-hydrated, heat exposed fruit-bat effectively regulated its body temperature and dissipated the total metabolic heat production by evaporative cooling.

4. In bats fed on oven-dried apples (water restriction), body mass decreased by 20.72 ± 2.78 %. Oxygen consumption between 32 - 36°C increased significantly and body temperature was relatively high. Evaporative water loss decreased significantly, except at 36°C where evaporative water loss was not significantly different from that during normal hydration, suggesting the preference for body temperature regulation at the cost of increased water loss. At this ambient temperature, dry thermal conductance increased significantly compared to normal hydration, facilitating non-evaporative heat loss.

5. We conclude that the Israeli population of *Rousettus aegyptiacus* is adapted to the relatively warm climate and can cope with a decreased water content in its exclusive fruit diet and effectively regulate its body temperature and metabolic rate.

Korine, C., I. Izhaki and Z. Arad (1998). Comparison of fruit syndromes between the Egyptian fruit-bat (*Rousettus aegyptiacus*) and birds in East Mediterranean habitats.

This study analyses the fruit syndrome of the Egyptian fruit-bat, *Rousettus aegyptiacus*, the only fruit-bat found in East Mediterranean habitats. Two different sets of bat-fruit syndromes were revealed. One follows the general bat-fruit syndrome and one represents a special case of bat-dispersed fruit syndrome only found in East Mediterranean habitats. The latter syndrome is characterized by dry fruits with a relatively high protein content. Fruit species that belong to this syndrome are available mostly in winter (when the fruit-bat faces a severe shortage in fruit availability and inadequate fruit quality). The fruit syndromes and dietary overlap between frugivorous birds (based on the literature) and the

fruit-bat were also studied. Features associated with each set of fruit species generally follow the known bat and bird syndromes. Bird-dispersed fruits tend to be small, with a high seed mass to pulp mass, variable in fat content and characterized by a high ash content. However, when the shared fruit species were included in the analysis, no significant differences were found in fruit features between the bird-dispersed and bat-dispersed fruit syndromes. A limited and asymmetrical dietary overlap was observed between these two taxa, mainly between introduced and cultivated fruits.

Korine, C., I. Izhaki and D. Makin (1994). Population structure and emergence order in the fruit-bat (*Rousettus aegyptiacus*: Mammalia, Chiroptera).

Population size and emergence order of *R. aegyptiacus* were studied in the Abas cave. Haifa, Israel. Throughout the reproductive period adult females populated the cave and the adult population consisted mainly of adult females except during winter when higher numbers of adult males were recorded. The proportion of juveniles increased consistently from spring to winter. Thus, it is suggested that the Abas cave serves as a maternity roost. Adult females in the reproductive state emerged from the cave earlier that juveniles and adult males. Social factors and differences in nutritional demands which may correspond to this different emergence order are discussed.

Kowalski, K., J. Gaisler, H. Bessam, C. Issaad and H. Ksantini (1986). Annual life cycle of cave bats in northern Algeria.

The dynamics of bat populations in caves of northern Algeria were studied between 1978 and 1983. The 10 species represented were: *Rhinolophus ferrumequinum, R. mehelyi, R. blasii, R. euryale, R. hipposideros, Myotis blythi, M. emarginatus, M. nattereri, M. capaccinii* and *Miniopterus schreibersi*. Detailed reproductive data, including histological examination of reproductive organs, were obtained for *R. mehelyi* and *M. blythi* during a part of the annual cycle. All species examined except *Miniopterus schreibersi* reach their southern limits of distribution in Algeria. The duration of hibernation was shorter in Algeria than in Europe, but the reproductive cycle was similar in that insemination took place in autumn and fertilization in spring. Parturition occurred earlier than in European populations of the same species. Observations were made on the choice of roosts, formation of intra- and interspecific associations, as well as individual and geographic variation in dates of parturition. The tendency of *M. blythi* to form harems during the mating season was noted.

Krampitz, H. and F. Anciaux de Faveaux (1960). Ueber einige Haemosporidien aus Fledermäusen der Höhlen des Berglandes von Katanga.

Von einigen Haemoproteiden der Gattungen *Nycteria, Polychromophilus* und *Hepatocystis*, gesammelt aus Fledermäusen des Berglandes von Katanga, werden ergänzende strukturelle Eigentümlichkeiten mitgeteilt und miteinander verglichen. Diese vergleichende morphologische Betrachtung der im Blut verschiedener afrikanischer Chiropteren gesehenen Haemosporidien erbrachte die Bestätigung der Tatsache, daß sie sich strukturell um so mehr ähneln, je systematisch näher sich ihre Wirte stehen, so daß die Frage der genauen Arttrennung bei ähnlichen Parasiten aus nahe verwandten Wirten auf morphologischer Basis allein in den meisten Fällen kaum möglich ist. Deutlich charakterisiert ist *Nycteria medusiformis* aus *Nycteris macrotis* durch Filamentbildungen, die in Übereinstimmung mit GARNHAM u. HEISCH (1953) als eine der Wirtszelle eigene degenerative Bildung gedeutet werden. Die in den beiden Hufeisennasen *Hipposiderus caffer centralis* und *Rhinolophus h. hildebrandti* gesehenen *Polychromophilus*-Formen werden als eine neue Art aufgefaßt. Für sie ist nach dem Fundort der Name *Polychromophilus congolensis* spec. nov. vorgeschlagen. Bei den Angehörigen der intraerythrozytär eifrig pigmentbildenden Gattung *Polychromophilus* vermißten wir in den Makrophagen der Milz und Leber in allen darauf untersuchten Fällen Pigmentspeicherungen. Die Existenz der entfernt an Vorstadien zur intraerythrozytären Schizogonie erinnernden Konfiguration, die RODHAIN (1926) bei *Hepatocystis epomophori* erstmals beobachtet und 1953 neu gedeutet hat, wird bestätigt, wobei wir uns der letztliehen Auffassung RODHAINS über deren Natur anschließen.

Morphological peculiarities of three species of Haemosporidia belonging to the family Haemoproteidae (*Nycteria, Polychromophilus, Hepatocystis*), which had been collected from bats in the rnountains of Katanga, were studied and compared. Evidently their structural conformity is the greater the closer the systernatic relationship of their hosts. Hence, differentiation of species frorn closely related hosts, merely on the basis of their morphology, is almost rendered impossible. *Nycteria medusiformis* from *Nycteris macrotis*, however, can be clearly distinguished by characteristic filaments which protrude from the parasitized blood cell. In accordance with GARNHAM & HEISCH (1953), these filaments are considered to be degenerative formations of the erythrocyte and not cellular structures of the parasite itself.

Parasites of the genus *Polychromophilus* found in two species of horseshoe hats (*Hipposiderus caffer centralis* and *Rhinolophus h. hildebrandti*) are believed to belong to a hitherto unknown species for which the narne *Polychromophilus congolensis* spec. nov. is proposed.

The lack of pigment storage in the macrophages of spleen and liver in all cases of *Polychromophilus* infections examined was striking, since the parasites of this genus readily produce pigment within the erythrocyte. The existence of peculiar configurations occuring in infections with *Hepatocystis epomopheri* which had been reported by RODHAIN (1926) for the first time, could be confirmed, although they are rarely found. These configurations, which somewhat resemble a preliminary stage of intraerythrocytic schizogony, are believed - as previously alleged by RODHAIN (1953) - to represent a certain stage of development prior to sexual maturing in the microgametocytes.

Dans le sang des chiroptères hahitantes particulierement dans les grottes des Montagnes du Haut Katanga (région du Congo) des formes différentes des plasmodides ont été trouvées. Elles appartiennent aux genres: *Nycteria, Polychromophilus* et *Hepatocystis*. Les formes qui apparaissent dans le sang sont discutées et comparées au point de vue de leurs propriétés morphologiques.

Une nouvelle espèce très répandue dans le sang de deux chauves-souries: *Rhinolophus h. hildebrandti* et *Hipposiderus caffer centralis* est postulée: *Polychromophilus congolensis* spec. nov.

Krumbiegel, I. (1943). Zur Kenntnis der Säugetierfauna von Fernando Poo. (8. Beitrag zu den wissenschaftlichen Ergebnissen der Forschungsreise H. Eidmann nach Spanisch-Guinea 1939/40).

Die EIDMANNsche Bereisung der Insel Fernando Poo ist gerade auch vom Standpunkt der Säugetierkunde aus recht zu begrüßen. weil das (zoologische) Schrifttum über diese Insel fast ausschließlich in englischer und spanischer Sprache erschienen ist - eine Ausnahme macht nur die umfangreiche ethnologische Bearbeitung von TESSMANN. Zoologische Arbeiten in deutscher Sprache von größerem Umfang stehen bis zum Erscheinen der EIDMANNschen Veröffentlichungen (vgl. EIDMANN; 1941) noch aus, die Säugetierfauna ist nur nebenher bei Bearbeitungen westafrikanischer Tiere mit erwähnt. Dabei ist die Insel schon seit 1472 bekannt und liegt von dem früheren deutschen Schutzgebiet Kamerun nicht allzuweit entfernt .

Als erster ging WATERHOUSE (1838, 1841) auf die Säugetierfauna der Insel ein und stellte eine Reihe von Typen auf, die sich z. T. in abgeänderten Formen später auch auf dem gegenüberliegenden Festland vorfanden. THOMSON berichtete im 2. Band der "Narrative of the Niger Expedition" (1841), schließlich sind FRASERS "Zoologica tvpica" (1842) und seine Veröffentlichungen in den "Proc. Zool. Soc. London" (1852) zu nennen, sowie die Ornithologie *Hartlaub*s (1857). Moderne Arbeiten liefere CABRERA (1908, 1920, 1923, 1929).

Angesichts des relativen Mangels an zoologischen Arbeiten über die Insel an und für sich und an deutschem Anteil im besonderen ist das Material der EIDMANNschen Ausbeute doppelt wertvoll. Ich benutze die Gelegenheit, Herrn Prof. Dr. EIDMANN für die Überlassung der Säugetierausbeute zur Bearbeitung bestens zu danken, ebenso der Fachgliederung Forst- und Holzforschung des Reichsforschungsrates für die Überlassung von Mitteln.

Wissenschaftlich ist das Säugetiermaterial nicht bloß vom speziell systematischen Standpunkt aus interessant, sondern auch vom allgemein-zoologischen, da es einen Beitrag zum Problem der Inselfaunen überhaupt und der Isolierung bzw. Rassenbildung liefert. Hiervon ist im Anschluß an die systematische Durchsicht noch die Rede. Die vier Guinea-Inseln und ihre Entfernung vom Kontinent zeigt Abb. 1.

Kuhn, H. J. (1962a). *Scotonycteris zenkeri* Matschie, 1894 in Liberia.

Scotonycteris zenkeri aus der Zentral-Provinz von Liberia erweitern das bekannte Verbreitungsareal der Art nach Westen. Nach dem verfügbaren Material ist die Abtrennung einer Subspecies aus Oberguinea nicht aufrechtzuerhalten. Unterschiede im Gaumenfaltenmuster bei einem erwachsenen Weibchen und seinem halbwüchsigen Sohne werden beschrieben.

Kuhn, H. J. (1962b). Zur Kenntnis der Microchiroptera Liberias.

Zwischen Oktober 1960 und Februar 1961 konnte ich in der Central Province der Republik Liberia einige Microchiroptera sammeln. Ohne die Jungtiere sind es nur 43 Exemplare in 10 Arten. Es sei aber hier kurz über sie berichtet, weil die Arten *Nycteris intermedia, Nycteris aethiopica, Kerivoula phalaena* und *Tadarida thersites* früher in Liberia nicht gefunden worden sind, bei den beiden letzten ergibt sich durch die neuen Funde eine mitteilenswerte Erweiterung des bekannten Verbreitungsgebietes nach Westen.

Die Fundorte der Tiere sind erstens Harbel (50 km östlich von Monrovia) an der größtenteils entwaldeten Küste, zweitens die im Primärwald liegende Gbi-Stadt Freemanntown (schätzungsweise 30 km südlich von Tappita) und drittens das im sekundären Walde gelegene Deaple (Nyor-Clan, Saniquelli-District, etwa 40km südöstlich von Bahn).

Herzlich danke ich der American Foundation for Tropical Medicine, die mich in ihrem Institut in Harbel auf vielfache Weise unterstützte und dort besonders Herrn Dr. WALTER, der mir je ein Exemplar von *Nyteris hispida* und von *Nycteris intermedia* schenkte.

Kulzer, E. (1958). Untersuchungen über die Biologie von Flughunden der Gattung *Rousettus* Gray.

1. Flughunde der Gattung *Rousettus* GRAY wurden an verschiedenen orten in Ägypten und Britisch-Ostafrika in ihren natürlichen Lebensraumen beobachtet. Die Zusammensetzung der Tierkolonien, ihre Tagesquartiere und ihre nächtliche Nahrungssuche konnten beobachtet werden.

2. Genaueren Aufschluß über die Biologie der Tiere erhielt ich erst durch Laboratoriums-Untersuchungen. Die Tiere befinden sich zum Teil bereits über 4 Jahre in Gefangenschaft.

3. Ein Flughundschwarm aus 16 Tieren wurde längere Zeit in einem geeigneten Käfig mit anschließendem Flugraum gehalten und ständig beobachtet. Dabei zeigte sich, daß die Tiere einen ausgesprochenen Tag- und Nachtrhythmus besitzen. Die aktive Zeit beginnt mit Einbruch der Dunkelheit. Durch Wechsel der Beleuchtungsverhältnisse laß sich dieser Rhythmus umkehren.

4. Die Nahrungsaufnahme und die damit verbundenen Futter- und ..htzkämpfe konnten beobachtet werden. Durch Elektronenblitzaufnahmen wurden die Flugbewegungen analysiert. Die Flughunde putzen sich häufig, um Nahrungsreste und Parasiten aus dem Fell zu entfernen. Auf rasche Bewegungen und Geräusche reagieren die Tiere mit einer Schreckreaktion. Das Fortpflanzungsverhalten und die damit verbundenen Lautäußerungen wurden beobachtet und registriert.

5. Es ist gelungen, die Flughunde in Gefangenschaft zur Nachzucht zu bringen und dabei die postembryonale Entwicklung der Jungen zu studieren. Das Junge bleibt mindestens 4 Monate beim Muttertier. Durch Stimmfühlungslaute ist der Zusammenhalt zwischen Muttertier und Jungem gewährleistet. Die Tiere erkennen sich gegenseitig an ihrem Individualduft. Beim ersten Ausflug sendet der junge Flughund bereits Ultraschall-Orientiesrungslaute aus. Die komplizierten Ohrbewegungen erfolgen bereits in der zweiten Wochen nach der Geburt. Der Flug des Jungen ist gewandt und sicher. Die Jungen wachsen ..fangs sehr rasch, später langsam und erreichen erst im Laufe eines Jahres die Größe des erwachsenen Tieres.

6. Durch Versetzungsversuche der Heimatkäfige konnte das Heimfindevermögen geprüft werden. Die Tiere besitzen ein hervorragendes Ortsgedächtnis, ihren "Stammplatz" finden sie aber immer mit der Nase.

7. Die Jugendentwicklung und das Orientierungsverhalten von Mikrochiroptoren und Flughunden werden verglichen.

8. Die Megachiropteren stehen wegen ihrer noch vielfältigen Ausdrucksformen und Sinnesleistungen den Ursprungsformen der Chiropteren nahe.

Kulzer, E. (1959). Fledermäuse aus Ostafrika. Ueber eine Sammlung van Chiropteren aus Kenia und Tanganyika mit ethologischen und ökologischen Beobachtungen.

1. Die im Verlauf einer Forschungsreise in Ostafrika (Kenia und Tanganyika) gesammelten 19 verschiedenen Formen (18 Arten) von Chiropteren, ihre geographische Verbreitung in Ostafrika sowie Beobachtungen im Freiland und in Gefangenschaft werden beschrieben.

2. Die Schwerpunkte der Verbreitung einiger Chiropterenarten liegen entlang ostafrikanischen Küste. Dies trifft sowohl für die Artenzahl als auch für die Individuenzahl zu.

3. Die Flughunde der Arten *Epomophorus wahlbergi* und *Rousettus leachii* bevorzugen als Lebensräume die Waldgebiete der Küstenzone und die Waldränder Hochlandzone (am Rande des Kulturlandes) bis zu den Seenprovinzen.

4. Besondere Anpassungsfähigkeiten einzelner Chiropterenarten begünstigen ihre Verbreitung in den verschiedenen klimatischen und landschaftlichen Zonen Ostafrikas:

a) Als typischer Vertreter der offenen Graslandzone (Savanne-Steppe) kann *Lavia frons* angesehen werden. Diese Tiere leben tagsüber in Büschen und Bäumen der Nähe von Wasservorkommen. Sie sind damit den Verhältnissen des offenen Landes am weitesten angepaßt. Sie sind auch tagsüber voll aktiv. Ähnliches Verhalten am Tage zeigen die Tiere der Art *Megaderma cor*; sie haben ein ähnlich weites Verbreitungsgebiet in Ostafrika.

b) Eine Möglichkeit, den starken Klimagegensätzen, wie sie z. B. in der Hochlandzone herrschen, zu begegnen, zeigen Tiere der Art *Scotophilus nigrita*: Sie haben einen ausgeprägten Tag- und Nachtrhythmus in bezug auf Ruhezeit und Aktivität. hierfür erforderliche Zeitsinn ist ebenfalls stark ausgeprägt. Ähnliche Fähigkeiten besitzen auch Molossiden.

c) Fledermäuse, die in allen klimatischen und landschaftlichen Zonen verbreitet und keine entsprechende körperliche Anpassungsfähigkeit besitzen, zeigen eine Vorliebe für höhlenartige Tagesquartiere, die gegen die Außenwelt klimatisch isoliert sind. Diese Arten sind auch tagsüber in der Hochlandzone und in der Graslandzone in ihren Tagesquartieren aktiv (z. B. Tiere der Gattungen *Rhinolophus, Hipposideros* und *Nycteris*.

d) Alle an der Küste gefangenen Tiere (Vertreter der Gattungen *Taphozous, Coleura, Triaenops, Rhinolophus, Hipposideros* und *Megadarma*) waren auch tagsüber auffallend aktiv.

4. Eine scharfe landschaftliche Trennung der verschiedenen Fledermausarten ist nicht zu erkennen, wenn auch einige Vertreter eine Vorliebe für bestimmte

regionale Gegebenheiten zeigen. Zahlreiche Arten kommen in allen drei erwähnten Zonen vor. Entscheidend für ihre Verbreitung ist das Vorhandensein geschützter Tagesquartiere und ein reichliches Nahrungsangebot.

Kulzer, E. (1961). Ueber die Biologie der Nil-Flughunde (*Rousettus aegyptiacus*).

1. Die von TH. ANDERSEN in Tanganyika gesammelten 17 verschiedenen Formen von Chiropteren, ihre Verbreitung in Tanganyika und Freilandbeobachtungen werden beschrieben.

2. Ein Vergleich der Fundorte und der Tagesquartiere der von ANDERSEN und mir gesammelten Arten zeigt. daß nur in wenigen Fällen deutliche Beziehungen zwischen der systematischen Stellung der Tiere und ihrem Lebensraum bestehen. Die einzelnen Gattungen und Arten stellen oft ganz unterschiedliche Ansprüche an ihre Tagesquartiere. Unter den *Megachiroptera* sind die Flughunde der Gattung *Rousettus* Höhlenbewohner; Flughunde der Gattung *Epomophorus* verbringen den Tag dagegen auf Bäumen. V on den Mikrochiroptera sind die Gattungen *Rhinolopbus, Hipposideros, Triaenops* und *Coleura* zu den primären Höhlenfledermäusen zu rechnen. Nur selten findet man sie in anderen Lebensräumen. Die Tagesquartiere der Gattungen *Megaderma, Nycteris, Taphozous* und *Scotophilus* sind unterschiedlich. Erdhöhlen, Baumhöhlen und Dächer menschlicher Behausungen werden bevorzugt. Als Kulturfolger zeigen sich verschiedene Arten der Gattung *Tadanda*, ferner die Bananenfledermaus *Pipistrellus n. nanus*. Als Parallele zu den in Bäumen lebenden *Megachiroptera* treten unter den *Mikrochiroptera* die Arten *Lavia frons* und *Nycteris hispida* auf.

Kulzer, E. (1965). Temperaturregulation bei Fledermäusen (Chiroptera) aus verschiedenen Klimazonen.

1. Die Fähigkeit zur Regulation der Körpertemperatur wurde an 18 Arten (18 Gattungen) von Fledermäusen aus verschiedenen Klimazoinen der Erde untersucht.

2. Der tägliche Verlauf der Körpertemperatur steht im Zusammenhang mit dem Wechsel von Ruhe und Aktivität; er wird von der Jahreszeit, von der Umgebungstemperatur und von den Gefangenschaftsbedingungen beeinflußt.

3. Alle Fledermäuse der gemäßigten Zone können in der Ruhephase ihre Körpertemperatur der Umgebungstemperatur weitgehend angleichen. Flughunde (*Megachiroptera*) sind von der Umgebungstemperatur unabhängig; rein tropische und subtropische Fledermäuse senken ihre Körpertemperatur nur in einem mittleren Bereich der Umgebungstemperatur.

4. Bei niederen Umgebungstemperaturen verfallen die Fledermäuse der gemäßigten Zone (v. a. *Vespertilionidae* und *Rhinolophidae*) in tiefe Kältelethargie. Bis auf einige lebenswichtige Reflexhandlungcn sind dann alle Bewegungen blockiert. Aus der Lethargie erwachen die Tiere spontan oder nach einem Weckreiz auch *ohne* künstliche Wärmezufuhr. Der Lethargiezustand ist geregelt.

5. Rein tropische und subtropische Fledermäuse werden durch Kälte in Alarmstimmung versetzt. Sie verfallen nicht in Kältelethargie. Dauernde Kältebelastung führt zu ungeregelter Hypothermie.

6. Die Atmung wird den Erfordernissen im Wachzustand und in der Lethargie angepaßt. Lange Atempausen und schubweise aufeinanderfolgende Atemzüge kennzeichnen die Lethargie-Atmung. Bei den untersuchten Megachiropteren gibt es dagegen keine Apnoezustände. Besondere Atmungsmuster zeigen auch die tropischen Fledermäuse (*Microchiroptera*).

7. Stoffwechsel und Atmung stehen in engem Zusammenhang: Während der Kältelethargie wird ein Minimalstoffwechsel aufrechterhalten; der Wachstoffwechsel wird auf ein Minimum gedrosselt. Die rein tropischen und subtropischen Arten steigern bei Kälte ihren Stoffwechsel entsprechend der Kältealarmierung.

8. Dauernde Kältebelastung führt bei den tropisch-subtropischen Fledermäusen zum Zusammenbruch der Temperaturregulation und zum Kältetod. Erfolgt rechtzeitig eine künstliche Aufwärmung, so kann die Hypothermie wieder aufgehoben werden.

9. Die Ordnung *Chiroptera* kann nicht mehr den poikilothermen Tieren zugerechnet werden. Alle untersuchten Megachiropteren haben sich als *homoiotherm* erwiesen. Die Kleinfledermäuse (*Microchiroptera*) reagierten in verschiedenem Grade *heterotherm*: Während die rein tropischen Arten die Fähigkeit zur Kälteleth argie nicht besitzen, finden wir sie bei allen untersuchten Arten der Vespertilioniden und Rhinolophiden (auch in den Tropen). Diese Fähigkeit ist eine Voraussetzung zur Ausbreitung in der kühl temperierten Zone. Auf ihr bauen alle Anpassungen an die Lebensbedingungen auf. Es ist anzunehmen, daß die beiden Familien die Fähigkeit haben, ihre Körpertemperatur auf verschiedenen Ebenen zu regulieren.

The ability to regulate body temperature was studied in 28 species (18 genera) of bats from different climatic zones. All bats from the cool temperate zone show body temperatures which are close to the environmental temperatures during the daily resting phase. Fruitbats (*Megachiroptera*) are independent of the environmental temperature and are able to regulate their body temperatures above low ambient temperatures. Bats which live only in tropical and subtropical zones lower their body temperatures at medium environmental temperatures but not when it is very cold. While bats of the temperate zone enter deep torpidity during cold, tropical bats show an "alarm reaction". They elevate their body temperature and their metabolism äs long äs possible. The state of torpidity (Kälteleth argie) in vespertilionid and rhinolophid bats is subject of physiological regulation: Even in deep lethargy there is a small difference between body temperature and the environment. Respiration and metabolism are regulated to minimum levels. Torpid bats are able to regulate their body-temperatures to activity level either spontaneously or after a short stimulus without artificial rewarming. In tropical and subtropical bats, with exception of vespertilionid and rhinolophid bats, extended exposure to cold leads finally to uncontrolled hypothermia and to death. Hypothermic animals are never able to rewarm themselves, neither spontaneously nor after stimulation. The only way to Interrupt the hypothermia is artificial rewarming. The Chiroptera are not poikilothermic animals as is still postulated in recent literature. All species of *Megachiroptera* studied are homeothermic animals. The *Microchiroptera* on the other hand show different degrees of heterothermism. While the pure tropical and subtropical bats are not able to enter deep torpidity, many species of the families *Vespertilionidae* and *Rhinolophidae* are able to enter lethargy even in the tropics. This ability was necessary to enter the cool temperate zone, where many adaptations evolved. It seems likely that both families are able to regulate their body temperatures at any given environmental temperature within the ränge of viability.

Kulzer, E. (1982). Nektar-Lecken beim afrikanischen Langzungen-Flughund *Megaloglossus woermanni* Pagenstecher, 1885.

The dorsal surface of the tongue of *Megaloglossus woermanni*, the African long-tongued fruitbat, is highly adapted to nectar-drinking. The anterior tip of the tongue is covered by rows of hair-like papillae which project posteriorly. The filiform papillae are 0.7 mm in length and 0.2 mm in width (at their base). They become shorter at the lateral surface of the tongue. The many filiform papillae not only occupy a large area on the tip of the tongue, the very short distances between them (0.2 mm) cause a felt-like structure in which the nectar is caught. These anatomical structures are generally similar to the surface of the tongue of the New World nectar-feeding bats, especially in *Glossophaga soricina*. The quick movements of the tongue of *Megaloglossus woermanni* could be shown by motion pictures. Using honey-water as food, the fruitbats made 7 licking movements/sec.; the amount of fluid withdrawn from a glass tube was 0,18 ml/sec.

Kumerloeve, H. (1974). Über die Balgsammlung Ludwig Graf von Huyns und weiteres äthiopisches Vogelmaterial im Zoologischen Forschungsinstitut und Museum Alexander Koenig.

Between about 1930 and 1934 Count Ludwig von Huyn (b. 14th September 1896, d. 20th May 1946) collected in central Ethiopia (province Shoa) more than 760 birds, 100 mammals, a few reptiles and some insects for the Museum Alexander Koenig, an interesting, still unpublished scientific material. A short review of the bird species and subspecies in this collection is given, including the remaining Ethiopian specimens in the Museum Alexander Koenig, mainly collected by G. Schrader (between 1897 and 1909), by Dr. J. Havestadt (about 1927/28) and by G. Nikolaus (in 1972) and by a few others, among these Prof. O. Neumann. On the whole, about 1435 bird specimens are reviewed. In an appendix, a list of the mammals collected by Count Ludwig von Huyn is given by Prof. E. von Lehmann.

Kunz, T. H. (1996). 3. Obligate and opportunistic interactions of Old-World tropical bats and plants.

Over half of the approximately 920 species of living bats use plants exdusively or opportunistically as resources for food and/or shelter. The 166 or so species of the Old-World family Pteropodidae (suborder Megachiroptera) depend on plants as their principal source of food including flowers (nectar, pollen, and petals), fruit, and leaves. Nectarivorous bats pollinate flowers in exchange for nectar and pollen rewards, and both bats and plants benefit when bats ingest high-energy fruit and subsequently disperse seeds away from parent plants. Most fruit-eating bats are effective seed dispersers, but only the large pteropodids can disperse the largest seeds. Folivory by leaf-fractionation may be important for species with limited access to alternative sources of dietary protein or minera!s, and some species may exploit secondary compounds of plants as cues for reproduction. Plants also provide shelter for many Old-World bats. Roosting bats use tree cavities, crevices in tree boles and branches, spaces beneath exfoliated bark, unaltered foliage, and spaces beneath altered leaves, stems, and flower/fruit clusters. Plant-visiting bats contribute to the maintenance of tropical diversity by dispersing pollen and seeds, promoting a diversity of roost and food resources which benefit bats that feed at other trophic levels.

Kunz, T. H., A. Allgaier, J. Seyjagat and R. Caligiuri (1994). Alloparental care: helper-assisted birth in the Rodrigues fruit bat *Pteropus rodricensis* (Chiroptera: Pteropodidae).

We report observations of allomaternal care, or epimeletic (care-giving) behaviour, exhibited by one female toward another, before, during. And after giving birth in the Rodrigues fruit bat, *Pteropus rodricensis* (Chiroptera: Preropodidae). Interactions between the expectant mother and other roost mates, from the onset to completion of birth, were observed continuously over a period of approximately three hours. The attending female assisted the mother when she. (1) intermittently groomed her anovaginal region; (2) grasped her with partially outstretched wings; (3) 'tutored' her in a feet-down birthing posture; (4) groomed the emerging pup; and (5) physically assured the mother by manoeuvring the pup into a suckling position. This is the first report of extensive assistance given by a female bat to another during parturition. We suggest that epimeletic behaviour may be common In the highly social Chiroptera, especially among primiparous or inexperienced females and/or when an expectant mother experiences difficulty during labour and parturition. Our observations support the hypothesis that roosting associations in bats may be as important as relatedness in explaining the occurrence of apparently altruistic acts.

Kurta, A. and T. H. Kunz (1987). Size of bats at birth and maternal investment during pregnancy.

This paper summarizes data on neonatal and maternal body mass and forearm length for 74 species of bats (order Chiroptera], representing both suborders and 10 out of 17 families. Maternal body mass ranged from 3.9 to 575 g. Newborn bats averaged 22.3 % (range: 12 - 43 %) of maternal body mass; non-volant eutherians of similar maternal size averaged only 7.8 %. Total maternal investment in terms of litter mass was approximately the same in bats as in other placental mammals of similar size. Neonatal body mass in bats increased by a factor of 0.93 with increasing maternal mass; litter mass scaled to a factor of 0.84 across the order. Using allometric analysis to correct for the effects of maternal body size, we found that phyllostornids and rhinolophids had the largest individual neonates,

while vespertilionids with a litter size of two had the smallest. Vespertilionids that produce twins, however, invest the most in terms of litter mass (up to 50 % of maternal mass), while vespertilionids with a single young per litter, and the pteropodids, invest the least. Phyllosromids had the largest neonatal forearms, after the effects of maternal size were removed, and vespertilionids with two young per litter had the smallest. Despite a small litter size (generally only one or two offspring per litter), long gestation periods, and relatively large neonatal size, bats appear to be functionally altricial at birth. The energetic cost of pregnancy for a bat may be estimated using data from the literature and appropriate allometric relationships,

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Lancaster, W. C., S. C. Thomson and J. R. Speakman (1997). Wing temperature in flying bats measured by infrared thermography.

1. We collected data on the wing temperature of flying bats using infrared thermal imaging to assess the thermoregulatory function of wing membranes.

2. Thermographic images of two Egyptian Fruit Bats, *Rousettus aegyptiacus* were captured as they flew along a 12 m length of corridor.

3. Body temperature was measured before the first flight and immediately after flight sequences using a rectal thermister probe.

4. Temperatures across the wing ranged from 34°C near the forearm muscle mass, to less than 24°C at the trailing edge (mean ambient temperature 23°C). The majority of the wing was 1-2°C above ambient temperature.

5. We found small, but significant changes in body temperature during flight. These changes did not correlate with changes in wing temperature.

Landau, I. and A.-G. Chabaud (1978). Description de *Plasmodium cyclopsi* n. sp. parasite du Microchiroptère *Hipposideros cyclops* à Makokou (Gabon).

Plasmodium cyclopsi n. sp. est caractérisé par la petite taille des formes asexuées et par des gamétocytes de type "*malariae*". Il est proche de *P. anomaluri*, dont l'hôte vertébré a le même habitat: troncs d'arbres creux de la forêt tropicale. En raison de l'ancienneté de son hôte (Rhinolophoidea) et de son appartenance au groupe "*malariae*", *P. cyclopsi* est interprété comme une espèce très primitive.

Description of *P. cyclopsi* n. sp. a parasite of the Microchiropteran Bat *Hipposideros cyclops* in Gabon.

P. cyclopsi sp. nov. is characterized by the small size of the asexual stages and by gametocytes belonging to the type "*malariae*". It is related to *P. anomaluri* and the hosts of both species share the same habitat: hollow trees of the tropical forest. By the ancientness of its vertebrate host and its relationship with the "*malariae*" group of Haemosporidia *P. cyclopsi* is interpreted as a primitive species.

Landau, I., G. Rosin, F. Miltgen, J.-P. Hugot, N. Leger, I. Beveridge and D. Baccam (1980). Sur le genre *Polychromophilus* (Haemoproteidae, parasite de Microchiroptères).

Le genre *Polychromophilus* est constitué par deux ensembles d'espèces très différents que les auteurs ont groupés dans 2 sous-genres : a) le sous-genre *Polychromophilus*, avec pour espèce type *P. (P.) melanipherus* Dionisi 1899, telle qu'elle a été redéfinie par Garnham (1973): la morphologie des gamétocytes est de type *malariae*; b) le sousgenre *Bloccala*, avec pour espèce type *P. (B.) murinus* Dionisi 1898; la morphologie des gamétocytes est proche de celle des Hemoproteidae d 'Oiseaux.

Des *Polychromophilus* de Minioptères d'Europe, d'Afrique et d'Australie ont été étudiés et décrits, en particulier 2 espèces nouvelles africaines: *P. (P.) corradettii* chez *Miniopterus inflatus* au Gabon et *P. (P.) adami* chez *Miniopterus m. minor* au Congo-Brazzaville. Des formes de multiplication tissulaire nombreuses et variées ont été trouvées, mais les infections étant généralement mixtes, il n'est pas possible de rattacher avec certitude les différents schizontes observés à un sous-genre déterminé. Cependant, les auteurs proposent une interprétation s'inspirant des affinités phylétiques des parasites. Ainsi sont classés: a) dans le sous-genre *Polychromophilus* (gamétocytes de type *malariae*), les schizontes tissulaires de grande taille, siégeant dans une cellule hôte très hypertrophiée entourée par une capsule et dont les noyaux sont, chez les stades âgés, complexes et granuleux; b) au sous-genre *Bioccala* (gamétocytes de type *oiseau*), les schizontes de petite taille (type Mer et Goldblum). De même, la sporogonie observée chez les Nyctéribies par divers auteurs serait celle du sous-genre *Bioccala*.

The genus *Polychromophilus* contains two different groups of species, which we classify in two sub-genera: a) subgenus *Polychromophilus* with, as type species, *P. (P.) melanipherus* Dionisi 1898 as redefined by Garnham (1973); the morphology of the gametocytes are of the type *malariae*; b) subgenus *Bloccala* with, as type species, *P. (B.) murinus* Dionisi 1898; the morphology of gametocytes resembles that of Haemoproteidae of birds.

Polychromophilus from Minoptera from Europe, Africa and Australia are studied and described i.e. two new species from Africa: *P. (P.) corradettii* a parasite of *Miniopterus inflatus* in Gabon and *P. (P.) adami* a parasite of *M. m. minor* in Congo-Brazzaville. Division stages in the tissues are abundant and varied but the infections are frequently mixed and it is not possible to relate the different types of schizonts to one or the other subgenus. Nevertheless the authors propose an interpretation based on the phyletic affinities of the parasites. Therefore schizonts found are classified as follows: a) in subgenus *Polychromophilus* (gametocytes of type *malariae*) the large tissue schizonts develop in a much hypertrophied host cell surrounded by a capsule and with complex, granular nuclei in the older stages; b) in subgenus *Bloccala* (gametocytes of the *avian* type) the schizonts are small (Mer and Goldblum's type). The stages of sporogony described by several authors in Nycteribid flies are assigned to parasites of the subgenus *Bioccala*.

Lane, H. C., N. Schönenberger and H. J. Huggel (1971). Quelques données sur l'innervation de l'artère et de la veine digitales alaires des Megachiroptères (*Rousettus aegyptiacus* et *Pteropus giganteus*).

The wall of vein and artery in the bat wing, on each side of the metacarpals receive both adrenergic and cholinergic fibres, as shown by specific histochemical methods. Adrenergic innervation takes the form of an adventitial plexus which gives rise to terminal varicosities ending at the medio-adventitial border.

Cholinergic fibres do not form a plexus, but give rise to varicosities ending also at the external border of the media.

At this level myelinated and non-myelinated nerve fibres are seen in association with the muscle cells of the media.

ZUSAMMENFASSUNG

Mit Hilfe spezifischer histochemischer Methoden wird gezeigt, dass in den Wänden der Blutgefässe (Venen und Arterien), die sich zu beiden Seiten des Metacarpus der Fledermäuse befindet, sowohl adrenergische als auch cholinergische Nervenfasern auftreten.

Die adrenergischen Fasern bilden in der Adventitia einen Plexus mit variköser Versätelung. Die Nervenendigungen befinden sich an der Grenze zwischen Adventitia und Media. In der gleichen Region treten auch variköse cholinergische Endigungen auf, die im Gegensatz zu den adrenergischen Fasern keinen Plexus bilden.

An der Adventitia-Media-Grenze treten myelinisierte und nicht myelinisierte Nervenfasern zusammen mit Fasern der glatten Muskulatur der Media auf.

Lanza, B. (1961). Alcune particolarita delle pliche palatine e dell'accrescimento postembrionale del cranio in *Epomophorus* (Mammalia: Megachiroptera).

L'A. describe alcune particolarità delle pliche palatine e dell'accresimento postembrionale del cranio di *Epomophorus walbergi* Sund. e di *E. labiatus* Temm.

L'A. décrit quelque particularités des plis palatins et de l'accroissement postembryonnaire du crân de *Epomophorus wahlbergi* Sund. et de *E. labiatus* Temm.

In the *Microchiroptera*, at least in the European ones, the skull attains its definitive size within almost two months from the birth; in *Megachiroptera* the skull may increase for a long time after birth, as proved by specimens of *Epomophorus wahlbergi* Sund., which, though immature and with cranial sutures not yet obliterated, have a skull length equal with that of fully adult animals. Therefore, the study of the postembryonal development of the skull is, in such animals, especially interesting from a systematic point of view. In *E. wahlbergi* and in *E. labiatus* Temm. The postembryonal growth of some parts of the skull obtains in allometric manner: the skull length increases with the age, while the brain-case height is already definitive in the very young specimens (fig. 2); rostrum (fig. 1) and postdental palate (fig. 3) increase in positive allometric manner in comparison with the total skull and palate length respectively. The positive allomeric lengthening of the rostrum, already observed by ZUCKERMAN in the baboon, *Papio porcarius*, probably occurs in all the long-faced species of *Megachiroptera* (and, in general, of Mammals). The rostrum of the *Megachiroptera*, moderately variable in shapes, varies considerably both in relative and absolute length. The extreme ratios between rostrum and total skull length obtain in the male *Hypsignathus monstrosus* (48 %) and in the genus *Nyctimene* (less than 19 %); the correspondent values in *E. wahlbergi* are 39.3 % (??) and 36.4 % (??); in *E. labiatus* 34.2 % (??) and 33.9 % (??). It is not worthy that in the adults of *E. labiatus* the values of the relative rostrum length nearly overlap thos of the youngs of *E. wahlbergi* having the same skull length (fig. 1); that means that in *E. labiatus* the dimensional development of the rostrum stops at a stage that for *E. wahlbergi* is a transitory, juvenile one. Moreover, in the males of *E. labiatus* the rostrum is scarcely more developed than in the females, while for such character there is a marked sexual dimorphism in *E. wahlbergi*, in which, contrary to *E. labiatus*, the size of the males is definitely larger than that of females. On the contrary, the relative values of the postdental palate length are the same both in the two sexes of *E. labiatus* and in the males of *E. wahlbergi* (figs. 3, 4à; but the females of the latter species have a relatively shorter postdental palate, showing also for this character a sexual dimorphism. A relatively short face is a juvenile character in *Epomophorus* and a definitive one in other genera of *Megachiroptera*; the same obtains for the basicranial angle, which in young specimens is less obtuse than in subadult and adult ones (in which the axis of the rostrum is almost parallel with the basicranial one); this obtains probably in all *Megachiroptera* and was described also in *Rousettus aegyptiacus* by EISENTRAUT. According ANDERSEN the deflection of the face is greatest, as a general rule, in genera or species with weak dentition. The greatest deflection is to be found in the *Macroglossinae* (especially in *Notopteris, Nesonycteris* and, above all, in *Melonycteris*), the smallest in nearly all genera of the *Pteropodidae* of the *Epomophorus* and *Cynopterus* sections. One may consequencty suppose that in the very young specimens of the heavy-toothed species (as those of *Epomophorus* and *Rousettus* are) the process which brings about the reduction or the disappearance of the deflection begins with the chewing function.

The palate ridges begin their development as dermal formations of the bony palate and till a certain stage of the embryonal life they remain hidden by the epithelium (figs. 5, 6); later on (perhaps before the birth) they become salient; in grown individuals the epithelium appears moderately confined and, in *E. labiatus*, produces denticulations.

As the number of the postdental palatine-ridges is of taxonomic significance, is important to emphasise that they, palallel with the backwards growth of the postdental palate, are less in very young animals than in more grown up individuals (fig. 4).

Der Verfasser beschreibt einige Besonderheiten der Gaumenfalten und der postembryonalen Vermehrung des Schädels von *Epomophorus wahlbergi* Sund. Und *E. labiatus* Temm.

Lanza, B. and M. L. Azzaroli (1971). I mammiferi delle Alpi Apuane.

I Mammiferi delle Alpi Apuane non sono perfettamente conosciuti; fino ad ora sono state trovate in questa regione solamente 38 - 39 specie, ma è probabile che in futuro ne verranno trovate altre, poichè nelle zone circostanti sono presenti circa 60 specie. Dal punto di vista biogeografico, le specie più interessanti sono *Microtus nivalis* e *Microtus arvalis*; il primo è un relitto glaciale già noto nell'Appennino Settentrionale e Centrale. il secondo è sconosciuto in Italia a sud delle Alpi Apuane.

The Mammals of the Apuanian Alps are not perfectly known; up till now only 38 - 39 species have been found in this district, but it seems likely that others will be discovered in the future, as about 60 species are present in the surrounding countries. From the biogeographical point or view, the most interesting species are *Microtus nivalis* and *Microtus arvalis*; the first is a glacial relict already known in the Northern and Central Apennines, the second is unknown South of the Apuanian Alps in Italy.

Lanza, B. and C. Calloni (1970). The buccal pad of *Scotophilus nigrita* (Schreber) and of *Nycticeius hirundo* (De Winton) (Mammalia, Chiroptera, Vespertilionidae).

Gli Autori sintetizzano i dati finora esistenti sui cuscinetto buccale dei Chirotteri e descrivono quello di due specie africane, nelle quali la presenza di questa formazione anatomica non era stata ancora osservata: *Scotophilus nigrita* (Schreber) e *Nycticeius hirundo* (De Winton).

Lanza, B. and D. L. Harrison (1963). A new description of the type specimen of *Nyctinomus aloysii-sabaudiae* Festa 1907.

Redescription of the type and only known specimen of *Nyctinomus Aloysii-Sabaudiae* Festa 1907 (Toro, Uganda). This bat is a distinct species, one of the little known larger African members of the Sub-Genus *Chaerephon*. It should be named *Tadarida (Chaerephon) aloysiisabaudiae* (Festa, 1907).

Neubeschreibung des typischen und einzigen bekannten Stückes von *Nyctinomus Aloysii-Sabaudiae* Festa 1907 (Toro, Uganda). Diese Fledermaus ist eine gute Art, zugehörig zur Gruppe der wenig bekannten größeren afrikanischen Arten der Untergattung *Chaerephon*. Sie sollte heißen: *Tadarida (Chaerephon) aloysiisabaudiae* (Festa 1907).

Nouvelle description de l'exemplaire typique (le seul qui est connu de l'espèce) du *Nyctinomus Aloysii-Sabaudiae* Festa 1907 (Toro, Uganda). Ce chauve-souris est une bonne espèce, laquelle appartient au group, peu conu, qui comprende les espèces africaines les plus grosses du sousgenre *Chaerephon*. Il doit être nommé *Tadarida (Chaerephon) aloysiisabaudiae* (Festa 1907).

Largen, M. J., D. Kock and D. W. Yalden (1974). Catalogue of the mammals of Ethiopia. 1. Chiroptera.

The present work summarises the known distribution of Chiroptera in Ethiopia. Seventy-two species are listed, of which 12 represent new records for the country: *Rousettus angolensis* (Bocage, 1898), *Taphozous mauritianus* E. Geoffroy, 1818, *Nycteris hispida hispida* (Schreber, 1775), *Hipposideros*

fuliginosus (Temminck, 1853), *Eptesicus guineensis* (Bocage, 1889), *Mimetillus moloneyi* (Thomas, 1891), *Nycticeius hindei* (Thomas, 1901), *Nycticeius hirundo* (De Winton, 1899), *Scotophilus leucogaster* (Cretzschmar, 1830), *Otomops martiensseni martiensseni* (Matschie, 1897), *Tadarida condylura* (A. Smith, 1833), *Tadarida nanula* (J. A. Alien, 1917).

As far as possible, all collecting localities in Ethiopia have been gazetted and this record is supplemented with distribution maps for every species.

Sixty-two of the species recorded from Ethiopia are essentially African in distribution, six of the remainder are Palaearctic forms and four are associated with the arid Saharo-Sindian belt.

Only five species appear to be represented by more than one race and only four are potentially endemic to Ethiopia: *Asellia patrizii* De Beaux, 1931, *Myotis scotti* Thomas, 1927, *Myotis morrisi* Hill, 1971, *Kerivoula eriophora* (Heuglin, 1877). These figures low compared with those for other groups of small mammals and are, presumably, correlated with the comparative mobility of these flying animals.

La chirotterofauna dell'Etiopia annovera attualmente 72 specie, 12 delle quali sono qui ricordate per la prima volta come presenti nella regione considerata: *Rousettus angolensis* (Bocage, 1898), *Taphozous mauritianus* E. Geoffroy, 1818, *Nycteris hispida hispida* (Schreber, 1775), *Hipposideros fuliginosus* (Temminck, 1853), *Eptesicus guineensis* (Bocage, 1889), *Mimetillus moloneyi* (Thomas, 1891), *Nycticeius hindei* (Thomas, 1901), *Nycticeius hirundo* (De Winton, 1899), *Scotophylus leucogaster* Cretzschmar, 1830), *Otomops martiensseni martiensseni* (Matschie, 1897), *Tadarida condylura* (A. Smith, 1833), *Tadarida nanula* (J. A. Alien, 1917).

Gli Autori forniscono un elenco il piu possibile completo delle localita, con loro posizione geografica, in cui sono stati sinora raccolti pipistrelli e forniscono una carta di distribuzione di tutte le specie note dell'Etiopia.

Di tali specie, 62 hanno una distribuzione essenzialmente africana e sono paleartiche; di quest'ultime 4 sono proprie della fascia saharosindica.

Solo 5 specie sono rappresentate nel territorio da piu di una razza e solo 4 sono potenzialmente endemiche dell'Etiopia: *Asellia patrizii* De Beaux, 1931, *Myotis scotti* Thomas, 1927, *Myotis morrisi* Hill, 1971, *Kerivoula eriophora* (Heuglin, 1877). II tasso d'endemismo e basso rispetto quello riscontrabile in altri ordini della stessa classe e presumibilmente e da mettere in relazione con la vagilita di questo ordine di mammiferi.

Lataste, F. (1880). Addition à la note précédente.

Mr. le docteur G. E. Dobson n'ayant eu sous les yeux. qu'une partie de ma récolte de Chiroptères algériens, je prends la liberté d'ajouter quelques renseignements à la très intéressante note qui précède.

Lataste, F. (1887a). Exploration scientifique de la Tunisie. Catalogue critique des mammifères apélagiques sauvages de la Tunisie.

Le présent Catalogue n'est pas un simple extrait, remanié, de mon *Catalogue des Mammifères de Barbarie*. Depuis la publication de ce travail, j'ai reçu de nouveaux matériaux, j'ai fait et j'ai appris de nouvelles observations qui ont modifié et accru ma connaissance de la faune barbaresque. J'ai corrigé des erreurs, tranché des questions encore pendantes et posé de nouveaux problèmes à résoudre. Ainsi, dans l'ordre des Insectivores, j'ai, me rangeant à l'opinion de M. le Dr G.-E. Dobson, réuni spécifiquement au *Crocidura Araneus* Schreber le *C. suaveolens* Pallas, que j'en avais d'abord distingué, et séparé de ce dernier le *C. Etrusca* Savi, que je lui avais réuni; et j'ai pu comparer à l'*Erinaceus Libycus* Hemprich et Ehrenberg, d'Egypte, les deux Hérissons de Barbarie que je n'avais précédemment comparés qu'entre eux et à l'espèce d'Europe. Dans l'ordre des Carnivores, je me suis

préoccupé du problème de la distinction des différentes espèces de Chacal, dont deux, d'après Gray, se trouveraient en Barbarie, et j'ai résolu celui de la valeur du Renard d'Algérie par rapport au Renard d'Europe; d'après des statistiques officielles, j'ai serré d'un peu plus près la distribution géographique du Lion et de la Panthère en Barbarie et dans les trois provinces de l'Algérie, et j'ai montré avec précision le progrès de leur décroissance numérique dans cette région, progrès tel que la destruction du Lion sera vraisemblablement accomplie dans quelques années et celle de la Panthère dans une ou deux générations; enfin j'ai réuni spécifiquement à la Loutre commune d'Europe celle d'Algérie, que j'en avais d'abord distinguée. Dans l'ordre des Rongeurs, j'ai étudié de plus près les rapports du *Gerbillus hirtipes* de Barbarie, d'une part, avec des sujets égyptiens de la même espèce, et, d'autre part, avec les deux espèces voisines *G. Gerbillus* Olivier et *G. pyramidum* Geoffroy.

Je dois les matériaux de cette dernière étude à M. Walter Innes, conservateur du Musée de l'école de médecine du Caire, dont les envois me fournissent de précieux objets de comparaison, tant pour la continuation de mes recherches sur la faune des Mammifères de Barbarie que pour la préparation de mes Catalogues des Reptiles de Barbarie et de Tunisie, qui paraîtront bientôt; je le prie d'agréer ici le témoignage de ma reconnaissance. Je tiens aussi à adresser mes remerciements à M. H. Vaucher, de Tanger, qui a entendu mes paroles de regret de n'avoir aucun correspondant au Maroc, un pays dont la faune, encore si peu connue, nous cache bien des surprises et où il serait bon de constater directement la présence des espèces même qu'on y pourrait indiquer *a priori*. Le seul et petit envoi que M. H. Vaucher ait encore eu le temps de m'adresser contenait quelques Reptiles et seulement cinq Mammifères; or quatre de ceux-ci, *Canis Niloticus, Eliomys quercinus , Erinaceus Algirus* et *Crocidura Araneus*, vont être, grâce à cet envoi, pour la première fois cités dans la faune du Maroc.

Dans le présent Catalogue j'ai jugé inutile de reproduire les *Tableaux dichotomiques* qui composent la première partie de celui des *Mammifères de Barbarie*. Je renvoie à ce dernier ouvrage le lecteur désireux de se servir de ces tableaux, soit pour faciliter ses déterminations, soit pour contrôler les miennes.

Les Mammifères de la Tunisie n'avaient été, jusqu'à ce jour,l'objet d'aucune publication spéciale; quelques espèces seulement avaient été indiquées, çà et là, dans divers ouvrages, voyages, traités généraux, publications relatives à la faune barbaresque ou à la faune algérienne, etc., ouvrages qui seront cités quand il y aura lieu.

Cette faune était donc tout à fait neuve quand, sur la proposition de M. le professeur A. Milne Edwards, membre de la Commission des missions au Ministère de l'Instruction publique, et avec l'aurément de M. le Dr E. Cosson, président de la Mission de l'exploration scientifique de la Tunisie, je fus officiellement nommé membre de cette Mission pour la zoologie. L'étude préalable de la faune des Mammifères algériens et deux voyages en Algérie, dont l'un poussé dans le Sahara jusqu'au Mzab et à Ouargla, m'avaient d'ailleurs convenablement préparé à cette tâche. Malheureusement, malgré le précieux concours prêté à la Mission par les autorités militaires, l'exploration qui devait servir de base à l'étude de l'histoire naturelle de la Tunisie ne put être faite dans d'aussi bonnes conditions qu'il eût été désirable. Les fonds insuffisants mis par le Ministère à la disposition du président de la Mission ne lui permirent de m'allouer que 3000 francs. Avec cette somme, je ne pus faire qu'un seul voyage, qui dura trois mois et pendant lequel je ne visitai qu'une faible partie du pays; encore, par raison d'économie, et sur les conseils du président de la Mission, avais-je dû me joindre à mon collègue, M. A. Letourneux, ce qui me procura l'avantage de voyager en compagnie d'un homme aimable et savant, mais aussi l'inconvénient de renoncer à toute initiative personnelle. Je ne pus m'arrêter où j'aurais dû et je fis parfois des séjours inutiles; en outre le concours des autorités locales, absolument indispensable quand il s'agit de recueillir en peu de temps un grand nombre de Vertébrés, fut en grande partie absorbé par mon collègue, qui s'occupait à la fois de botanique, de malacologie, d'entomologie, de linguistique, etc. Aussi mes récoltes furent-elles pauvres.

Ainsi que j'en avais pris l'engagement avant mon départ, un sujet au moins de chacune des espèces que j'ai rapportées de ce voyage a été remis par moi à M. le professeur A. Milne Edwards, pour le Muséum d'histoire naturelle de Paris; les espèces dont j'ai pu me procurer plus d'un échantillon sont représentées aussi dans ma collection.

Laurent, P. (1937c). Essai d'une clef dichotomique des chéiroptères de la Barbarie.

The dichotomic catalogue proposed by the author enables one to determine the presently known forms of Barbay bats. There are 11 genera, 18 species, and 19 subspecies. Dr. Laurent gives the description of three new species:
Rhinolophus hipposideros vespa - Asellia tridens pallida - Plecotus auritus saharae,
recently published elsewhere and mentions also three new subspecies which have not yet been described.

Diet dichotomische Tafel, die der Verfasser vorschlägt, erlaubt die Formen der Fledermäuse zu bestimmen, die gegenwärtig in der Berberie bekannt sind: 11 Gruppen, 18 Arten, und 19 Unter-Arten. Dr. Laurent gibt die hauptsächlichsten Merkmal dreier neuer Formen:
Rhinolophus hipposideros vespa - Asellia tridens pallida - Plecotus auritus saharae,
die übrigens kürzlich veröffentlich worden sind, und nennt auch 3 andere neue Formen, die noch nicht beschrieben worden sind.

LaVal, R. K. (1973). A revision of the neotropical bats of the genus *Myotis*.

More than 650 specimens of bats of the Neotropical genera *Rhogeessa* and *Baeodon* were examined to determine the number of genera and species that should be recognized, as well as to evaluate geographic variation within each species. In addition to the usual morphological characters, large numbers of bacula were measured and compared, and hairs were examined by scanning electron microscopy. The preliminary results of a study of karyotypic variation in *Rhogeessa* by R. J. Baker and associates were taken into account. Both multivariate and univariate statistical methods were utilized.

One species, *Rhogeessa alleni*, is assigned to the subgenus *Baeodon*, and is a large-skulled form restricted to western Mexico. The remaining five species are assigned to the subgenus *Rhogeessa*. *Rhogeessa parvula*, restricted to western Mexico, is characterized by a hairy uropatagium. *Rhogeessa gracilis*, also restricted to western Mexico, possesses much larger ears than do the other species. A new species, *R. mira*, is presently known only from two localities in Michoacan, and is substantially smaller than the other three species inhabiting western Mexico. *Rhogeessa tumida*, an extremely variable (and perhaps composite) species, ranges from Tamaulipas to Brazil and Bolivia. *Rhogeessa minutilla* a pale desert species, is restricted to Margarita Island, northwestern Venezuela, and the adjoining Guajira Peninsula of Colombia.

Con el fin de determinar el numero de generos y especies que deben ser reconocidos y tambien analizar la variacion dentro de cada especie, se examinaron mas de 650 especimenes de murcielagos neotropicales do los generos *Rhogeessa* y *Baeodon*. Ademas de los caracteres morfologicos usualmente empleados, se midieron y compararon los baculos, y se examinaron los pelos por medio de un microscopio electronico de "scanning." Fueron tomados ademas en consideracion, el estudio hecho por R. J. Baker y companeros, sobre la variacion en los kariotipos de *Rhogeessa*; y finalmente para el analisis estadistico se uso los metodos de univarianza y multivarianza.

Una de las especies, *Rhogeessa alleni*, una forma de craneo grande, restringida a el Occidente de Mexico, es asignada al subgenero *Baeodon*. Las otras cinco especies son asignadas a el subgenero *Rhogeessa*. *Rhogeessa parvida*, restringida a Mexico occidental, esta caracterizada por tener un uropatagio cubierto de pelo. *Rhogeessa gracilis*, tambien restringida a Mexico occidental, tiene orejas que son mas grandes que las de las otras especies. Una especie nueva, *R. mira*, conocida solamente de dos localidades de Michoacan, es la mas pequena de las quatro especies en Mexico occidental. *Rhogeessa tumida*, una especie extremadamente variable y posiblemente un "composite species" (compuesta de mas de una especie), se extiende desde Tamaulipas hasta Brasil y Bolivia. *Rhogeessa minutilla*, una especie de color palido, encon trada en areas deserticas, es restringida a la Isla Margarita, el Noroeste de Venezuela, y la peninsula de la Guajira de Colombia y Venezuela.

LaVal, R. K. and M. L. LaVal (1977). Reproduction and behavior of the African banana bat, *Pipistrellus nanus*.

Roosting behavior and the reproductive chronology of the banana hat *Pipistrellus nanus*, were studied in Natal, South Africa. These bats roost singly or in small groups in rolled leaves of bananas (*Musa* sp.) and *Strelitzia*. Sex ratios were 1:1 for adults but 2:1 (female:male) in juveniles. Group structure was facultative and ephemeral, and movements were for short distances. *P. nanus* is monestrous and seasonal, with births of single or twin infants in November and December. Males reached peak testis size in May, and had abdominal testes most of the remainder of the vear.

LaVal, R. K. and M. L. LaVal (1980). Prey selection by the Slit-faced bat *Nycteris thebaica* (Chiroptera: Nycteridae) in Natal, South Africa.

During much of the year, foraging slit-faced bats (*Nycteris thebaica*) in Natal, South Africa, preyed mainly on Orthoptera, especially katydids, crickets, and cockroaches. At times, substantial quantities of Lepidoptera, Isoptera, Homoptera and Coleoptera were also taken. Slit-faced bats seem to prefer those insects characterized by large body size, abundance and ease of location and capture. Many of these are captured, while stationary, or at least when at rest rather than it flight.

Lawrence, B. (1964). Notes on the horseshoe bats *Hipposideros caffer*, *ruber* and *beatus*.

Attempts to identify a small series of *Hipposideros*, collected in the Belgian Congo by Alvin Novick in 1956, have made necessary a re-examination of the distribution and specific characters of *caffer, ruber* and *beatus*. This has brought to light some new characters of the nasal swellings and of the nose leaves, and emphasizes the importance of the nasal region in general for showing specific differences.

Lawrence, B. and A. Novick (1963). Behavior as a taxonomic clue: relationships of *Lissonycteris* (Chiroptera).

Re-examination of the generic status and relationships of *Rousettus, sensu stricto*, and *Lissonycteris*, a supposed subgenus of *Rousettus*, has been prompted by the great differences observed between live specimens of the two genera. In 1955 and 1956, Novick was able to make extensive observations of living bats not only of these two genera but of six other pteropodids as well Novick, 1958). Of these, according to Andersen (1912), *Eidolon helvum* and *Pteropus g. giganteus* as well as *Rousettus* belong in the *Rousettus* section of the Pteropinae. *Cynopterus brachyotis luzoniensis, Cynopterus sphinx ceylonensis*, and *Ptenochirus jagorii* belong in the *Cynopterus* section of the Pteropinae, while *Eonycteris spelaea glandifera, Eonycteris robusta*, and *Macroglossus l. lagochilus* are in the subfamily Macroglossinae.

Lay, D. M. (1967). A study of the mammals of Iran resulting from the Street Expeditions of 1962-1963.

A narrative account cursorily describes the physiography and general ecology observed along the routes taken in Iran by the W. S. and J. K. Street Expedition. Separate from the narrative and arranged alphabetically by the name of the collecting locality, ecological description of each of the places where the expedition paused to study and collect tells what mammals were found in what sort of biotic communities. A gazetteer is provided with the coordinates of, or appropriate remarks on, every Iranian locality cited in the text.

The distribution data for Iran published before 1963, for each of the 99 species represented by the 1719 mammal specimens obtained by the expedition, and the 26 other species known from Iran is summarized for the first time since 1876.

The following advances in taxonomic knowledge of mammal species of southwest Asia beyond that presented by Ellerman and Morrison-Scott (1951) and Misonne (1959) result from this study of collections of the Street Expedition in relation to previously existing materials:

Crocidura leucodon lasia Thomas, 1906, is in fact *C. leucodon* Hermann, 1780, and not *C. lasiura* Dobson, 1890.

Crocidura russula caspica Thomas, 1907, is in fact *C. russula* Hermann, 1780, and not *C. lasiura* Dodson, 1890.

Rhinopoma hardwickei pusillum Thomas, 1920, is shown to be synonomous with *R. h. seianum* Thomas, 1913.

Pipistrellus Aladdin Thomas, 1905, is a synonym of *P. kuhli kuhli* Kuhl, 1819.

Miniopterus schreibersi pallidus Thomas, 1907, and *M. s. pulcher* Harrison, 1956, are shown to be junior synonyms of *M. s. schreibersi* Kuhl, 1819.

Microtus guentheri Danford and Alston, 1880, and *Microtus irani* Thomas, 1921, are synonymous with *Microtus socialis* Pallas, 1773.

Ellobius lutescens is a subspecies of *E. fuscocapillus*.

The subspecies *buxtoni* Thomas, 1919, and *insularis* Goodwin, 1939, are shown to be synonymous with *Nesokia indica indica* Gray and Hardwicke, 1832.

Glis glis persicus Erxleben, 1777, is shown to be the oldest available name for the south Caspian fat dormouse, and *G. g. caspicus* Satunin, 1905, is a junior synonym.

Collecting efforts of the expedition are shown to have resulted in discoveries in Iran of nine species not previously known to occur there:

Erinaceous europaeus
Neomys anomalus
Talpa streetorum
Rhinolophus Euryale
Rhinolopus blasii
Eptesicus nilssoni
Vespertilio murinus
Barbastella leucomelas
Microtus nivalis

One species entirely new to science, a mole of the family Talpidae, has been described from Hezar Darreh, Kurdistan, Iran and named *Talpa streetorum*.

Laycock, P.(A.) (1973). Distribution and abundance of bats in the Natal Midlands (Mammalia: Chiroptera).

The distribution and abundance of microchiropteran species in Town Bush cave, Pietermaritzburg, were studied throughout 1972. It was found that this cave serves as a wintering cave for *Rhinolophus simulator*, a permanent residence for a small group of *R. clivosus augur*, a maternity cave for *Myotis (SeIysius) tricolor*, and as a prematernity and pre-wintering cave for *Miniopterus schreibersi natalensis*. No young *Miniopterus* or *Rhinolophus* were seen during the study period, although pregnant females were observed in October and November.

Other caves in the Pietermarirzburg area were visited as they became known but were too tar from Pierermaritzburg to allow regular visiting, thus no definite conclusions could be reached on the part they play in the migratory cycle of the bats seen occupying them.

Leconte, J. (1855). Observations on the North American species of Bats.

Notwithstanding all that has been written by Rafinesque, F. Cuvier and Dr. Bachman on the bats of North America, a diligent study has shown me considerable errors in the accounts of all. Before proceeding to a description of these animals, it is necessary to remark, that every bat which I have seen, has an uncertain number of transverse wrinkles or plaits on the outer portion of the ear, and has the toes furnished with rather long and fine hairs, as it were fimbriated, wherefore these two marks are omitted as furnishing no good specific characters. All our bats except the *Molossus* belong to the same genus; the trifling difference in the number of the teeth does not afford a sufficient reason for considering them as different. M. F. Cuvier in the first volume of the Nouv. Annales du Museum, divides the genus into three sections, the Serotinoids, the Noctuloids and the Murinoids. The form of the cranium seems to be the chief mark in distinguishing them from each other. The Serotinoids may be described as having the cranium somewhat inflated and rounded, the jaws short, widened and elevated at the extremity, the facial angle 43°. The European species as far as I can collect, have four upper incisors. In this country we have but two belonging to this section, the *Noveboracensis* and the *cinereus*, both of which have but two upper fore teeth. The Noctuloids have the skull rather straight and flat on the top, and the jaws more extended, the facial angle is 30°. They all have four upper incisors except the crepuscularis which has like those of the first division but two. The Murinoids are known by having the cranium inflated and rounded, the jaws elongated a little raised in front with a considerable depression separating them from the cranium, the facial angle is 22*. The *V. pallidus* which has but two upper fore teeth appears to me to be a Murinoid ; all the rest have four upper fore teeth. As for what has been called a *Plecotus* (even by myself) it certainly belongs to this division: it differs considerably from the *Plecotus auritus* of Europe, in the form and position of the ears. I am not writing about the animals of a foreign country, and therefore I say no more on this head, than that the *P. auritus* as far as regards the skull appears to be a Serotinoid. My remarks on the Molossus will appear when I come to describe that species.

Legendre, S. (1982). Hipposideridae (Mammalia: Chiroptera) from the Mediterranean Middle and Late Neogene, and evolution of the genera *Hipposideros* and *Asellia*.

New fossils from the Burdigalian locality of Port-la-Nouvelle (southern France) add to our knowledge of the Hipposideridae. Four species of this family are represented, including a new species of the subgenus *Brachipposideros* Sigé (*Hipposideros aguilari* n.sp.). *H. vetus* (Lavocat) from Beni Mellal (Miocene of Morocco) and *H*. cf. *vetus* from Sète (late Pliocene of France), formerly attributed to *Asellia*, are placed in the subgenus *Syndesmotis* Peters, which includes the Recent East African species *H. (S.) megalotis*. The following genera and subgenera are recognized in this study: genus *Hipposideros* including the subgenera *Hipposideros, Brachipposideros, Syndesmotis* and *Pseudorhinolophus*, and the genus *Asellia*. Anatomy of teeth and jaws suggests new phyletic interpretations: *Pseudorhinolophus* could be ancestral to *Asellia*, and *Brachipposideros* to *Syndesmotis*; *Pseudorhinolophus* and *Brachipposideros* may both be represented in the Recent fauna by large and small *Hipposideros*, respectively; on the other hand, *Brachipposideros* is unlikely to have originated from *Pseudorhinolophus*, and neither of these genera can be derived from the Paleogene European genus *Palaeophyllophora* Revilliod.

Legendre, S. (1984). Étude odontologique des représentants actuels du groupe *Tadarida* (Chiroptera, Molossidae). Implications phylogéniques, systématiques et zoogéographiques.

The study of the dental morphology of the recent bats of the *Tadarida* group leads to distinguish four genera: *Rhizomops* nov. gen., *Nyctinomops*, *Tadarida* (including the sub-genera *Chaerephon* and *Mops*), and *Mormopterus* (including the sub-genera *Platymops, Sauromys*, and *Micronomus*,

revalidated in this work). These genera are gathered together with *Otomops* within the Tadaridinae nov. subfam. as opposed to the Molossinae nov. subfam. and the Cheiromelinae nov. subfam. The systematic clarification, provided by an odontological approach of paleontological tradition, leads to consider the phylogenetical relationships between these taxonomical types. It also allows to reconstitute the zoogeographical history of the Molossidae, which are scattered in the warm areas of both OId and New World.

L'étude de la morphologie dentaire des représentants actuels des chauves-souris du groupe *Tadarida* amène à le découper en quatre genres: *Rhizomops* nov. gen., *Nyctinomops*, *Tadarida* (incluant les sous-genres *Chaerephon* et *Mops*) et *Mormopterus* (incluant les sous-genres *Platymops, Sauromys* et *Micronomus* revalidé dans ce travail). Ces genres sont regroupés avec *Otomops* dans les Tadaridinae nov. subfam., par opposition aux Molossinae nov. subfam. et aux Cheiromelinae nov. subfam. La clarification systématique, apportée par une approche odontologique de tradition paléontologique, permet d'envisager les relations phylogéniques de ces types taxonomiques. Elle autorise également une reconstitution de l'histoire biogéographique de la famille des Molossidae, qui sont dispersés dans les régions chaudes de l'Ancien et du Nouveau Monde.

Loche, V. (1858). Catalogue des mammifères et des oiseaux observés en Algérie par le capitaine Loche.

Le goût des sciences naturelles est aujourd'hui universellement répandu; chaque localité pourvue de galeries zoologiques voit la foule s'y presser, et, non moins que les naturalistes et les savants, les simples curieux en sont les visiteurs assidus.

C'est que cette infinie diversité des êtres, auxquels la Providence a assigné un rôle dans les harmonies générales de l'univers, parle à l'âme de tous les hommes, l'élève vers le Créateur, et fait naître cette envie d'apprendre qui caractérise- nôtre époque et conduira peut-être à soulever le voile qui noiis-'cache encore tant d'impôrtantes vérités.

Malheureusement beaucoup de personnes sont arrêtées, dès les premiers pas qu'elles essayent de faire dans cette intéressante étude, par le défaut de moyens d'instruction et de termes de comparaison.

Le prix élevé des livres ayant des planches coloriées les rend peu accessibles, et les galeries zoologiques manquent à la plupart des localités.

Sans ces ressources, la détermination des sujets par les seuls procédés zoologiques exige un long apprentissage et n'est pas exempte de difficultés, même pour ceux qui ont à leur disposition de nombreux ouvrages spéciaux.

Nous avons fait, depuis noire enfance, de l'histoire naturelle notre science de prédilection, et, comme nous avons souvent été entravé par ces obstacles, nous comprenons toute la vocation et la persévérance dont il faut être doué pour ne pas s'en laisser rebuter.

Ces inconvénients sont plus frappants et plus vivement sentis en Algérie qu'ailleurs, par la difficulté d'y traîner avec soi les livres et les éléments de confrontation indispensables à quiconque veut étu dier la faune ou la flore de ce pays dépourvu détablissements scientifiques.

Et pourtant l'histoire naturelle a une importance énorme; elle conduit, par l'observation intelligente., à la connaissance de l'homme, des animaux, du monde entier, mieux qu'une dissertation théologique; elle démontre la puissance du Dieu qui a tout créé, et c'est par elle qu'on est le plus certain d'arriver à. la découverte des vérités qui sont du ressort de l'esprit humain. Ne doit-on donc pas avoir à coeur de l'encourager, de la diriger en lui offrant aide et hommage?

Parler aux yeux est toujours le moyen le plus .certain d'arriver à l'esprit; en rendant l'étude facile et attrayante on attire à elle, et c'est en lui donnant une bonne direction qu'on préserve la jeunesse de fâcheux écarts.

Cette multitude d'êtres différents que la nature a libéralement répartis sur la surface de notre globe, et dont les analogies, les aptitudes et jusqu'aux dissemblances frappent si vivement l'esprit qu'elles le poussent vers l'investigation des causes, serait à-coup sûr un sublime enseignement qui, en échauffant le coeur, imprimerait à l'imagination un noble essor et pourrait conduire à l'intelligence des lois suprêmes.

Persuadé, par ces considérations qu'un assez long séjour en Afrique nous avait rendues plus palpables, des incontestables services que la science, la jeunesse studieuse, les savants et les voyageurs retireraient de la création à Alger d'un jardin zoologique et d'un muséum d'histoire naturelle ayant pour annexe une bibliothèque spéciale, nous en proposâmes, il y a trois ans; la fondation à M. le gouverneur général.

Pour contribuer autant qu'il était en nous à la prompte édification de ces précieux monuments, nous n'offrîmes pas seulement nos services ; mais étant parvenu, par un travail opiniâtre pendant plus de trente années et au prix d'immenses sacrificesi à réunir des collections considérables, nous offrîmes de les donner à ces établissements, qui, au moyen de ces importants matériaux, auraient pu être presque immédiatement inaugurés.

Nous n'avons; point été informé des motifs qui ont pu, malgré la haute approbation de M. le gouverneur général et les éloges par lui publiquement exprimés sur ce qu'il appelait notre généreux désintéressement, et l'importance et la beauté de nos collections, empêcher nos offres d'être acceptées; mais, n'ayant été déterminé à cette libéralité que par un sincère désfr d'être utile, nous n'avons nullement été froissé qu'elle né fût .pas agréée, et nous avons attendu des circonstances plus favorables pour prouver à l'Algérie, à ce pays de nos prédilections, notre dévouement à ses intérêts. Il y a un peu plus d'un an, Son Excellence M. le maréchal gouverneur général de l'Algérie, qui a créé à Alger une exposition permanente des produits de ce pays, nous attacha à cet. établissement, qui, sous la direction aussi habile qu'éclairée de M. le colonel de Neveu, a réalisé des progrès non moins importants que rapides.

Les productions zoologiques seules continuaient, à lui faire défaut par des motifs faciles à comprendre: les unes exigent de patientes et minutieuses recherches, les autres des préparations manuelles délicates et que peu de personnes savent exécuter.

Heureux de pouvoir combler en partie cette lacune, nous nous sommes empressé de doter l'Exposition de toutes les espèces du règne animal que nous avions pu jusqu'ici colliger en Algérie, et de nous-mettre à la recherche des autres.

La tâche que nous accomplissons, moins étendue que celle que nous voulions entreprendre, n'en a pas moins une incontestable utilité: réunir, classer et déterminer toutes les productions qui constituent la richesse zoologique de l'Algérie, et mettre ainsi tous ceux qui s'intéressent aux sciences naturelles et à l'avenir de ce beau pays à même d'embrasser d'un regard synthétique l'ensemble et les détails de sa faune, nous a semblé une mission non moins patriotique que scientifiquement utile, et nous l'avons embrassée avec ardeur.

Nous ne nous sommes point dissimulé que, pour réunir toutes les productions naturelles d'un si vaste pays, le concours de tous ceux qui regardent la nature animée d'un oeil affectueux et intelligent pouvait nous être d'un grand secours ; mais, nous étant dit aussi que, pour l'invoquer avec chance de succès, il fallait qu'un commencement d'exécution vînt prouver plus éloquemment que notre faible voix ne le saurait faire le but que nous nous proposions d'atteindre, nous nous sommes mis à l'oeuvre avec courage, menant de front les travaux d'installation, les préparations taxidermiques, les explorations qui pouvaient nous faire espérer l'augmentation de nos collections, et la recherche des documents qui nous manquent encore pour pouvoir donner à la' publication d'un ouvrage sur la Mammalogie et l'Ornithologie de l'Algérie, dont la rédaction nous est confiée, l'étendue et l'exactitude que l'état actuel de la science exige. Chacun sera à même, en visitant l'exposition permanente, de juger si les résultats que nous avons réalisés dans un si court espace de temps sont satisfaisants et peuvent inspirer bon espoir pour l'avenir.

Une pénible exploration que nous avons récemment accomplie dans le Sahara nous y a fait découvrir des espèces nouvelles pour la science, d'autres non encore signalées comme algériennes; nous les avons adressées à M. le maréchal Vaillant, ministre de la guerre, qui s'est empressé de les

communiquer à l'Académie des Sciences, dont il est membre. Cette nouvelle preuve du bienveillant intérêt que cet illustre et savant ministre ne dédaigne pas de nous témoigner, et le flatteur accueil qu'il a bien voulu nous faire, nous imposent la douce obligation de redoubler de zélé et d'efforts pour justifier une confiance qui nous honore autant qu'elle nous touche.

C'est encouragé par ces premiers succès que nous venons aujourd'hui, avec plus d'assurance, faire un appel à tous ceux qui peuvent nous aider à accomplir la tâche qui nous est dévolue; nous craindrions que- nos efforts personnels ne fussent trop lents à la mener à bien, si l'active collaboration que nous osons solliciter nous était refusée.

Nos récentes explorations, en nous prouvant que la faune algérienne était encore bien imparfaitement connue, nous ont démontré que, pour en colliger tous les éléments, un long séjour dans chaque localité serait non moins indispensable que des perquisitions ardues et consciencieuses; et encore, que d'intéressantes espèces échapperaient aux regards, que d'individus vainement poursuivis par les zoologistes deviendraient la proie peu appréciée de personnes qui en ignoreraient la valeur relative, et les laisseraient se perdre sans soupçonner le dommage qu'elles occasionneraient ainsi à la science!

Nous espérons donc que les chasseurs, les pêcheurs, les agriculteurs, aussi bien que les naturalistes, les fonctionnaires civils ou militaires, les commandants des ports, des cercles, des bureaux arabes, les membres du corps médical, les ingénieurs, les employés des forêts, les officiers de l'armée d'Afrique, aussi bien que toutes les autres personnes dont nous venons indistinctement solliciter le concours, voudront- bien, en nous adressant les spécimens qu'ils pourront recueillir, hâter l'achèvement d'une œuvre qui, en faisant, mieux connaître les richesses de l'Algérie, contribuera infailliblement à la faire aimer davantage.

Tous les mammifères, oiseaux, oeufs, reptiles, poissons, mollusques, insectes et zoophytes, aussi bien que les végétaux, les minéraux et les objets ouvrés donnés à l'Exposition, seront pourvus d'étiquettes reproductives des inscriptions des catalogues; elles indiqueront donc scrupuleusement le nom du donateur, le nom et la provenance dé chaque sujet; l'honneur de la découverte sera par nous toujours attribué à son auteur, et c'est une règle dont nous ne nous départirons jamais.

Comme les classifications de Son Altesse le prince Charles-Lucien Bonaparte ont été appliquées au Muséum d'histoire naturelle de Paris, et que ses ouvrages sont actuellement dans les mains de toutes les personnes, qui s'occupent un peu sérieusement d'histoire naturelle, nous avons cru faire une chose bonne et utile en suivant la méthode d'un aussi célèbre zoologiste.

L'intérêt aussi bienveillant qu'affectueux dont cet illustre savant nous honorait, les lumières et les encouragements que nous puisions dans ses conseils, nous feront à tout jamais regretter qu'une mort prématurée soit venue enlever à la science et à ses'amis ce zélé et incomparable naturaliste.

Pour que les personnes non encore-familières avec les nouvelles appellations génériques ou spéciales puissent immédiatement se rendre compte de leur relation avec celles auxquelles elles sont habituées, nous faisons suivre, autant que possible, les noms français et latins des sujets d'une courte synonymie. Le but d'utilité pratique que nous nous sommes imposé ne nous permettant pas de négliger un seul moyen de faciliter les recherches, nous avons ajouté aux noms scientifiques et vulgaires des espèces les noms arabes, écrits en caractères français et en caractères arabes; de la sorte, les indigènes ou les personnes qui désireront s'en aider seront immédiatement renseignés. Nous ferons observer que les noms arabes sont en général plutôt génériques que spécifiques, et que la même dénomination est souvent appliquée par les indigènes à des espèces différences dont les caractères instinctifs leur ont échappé.

La conservation des collections exige qu'elles soient déposées dans des armoires; leur étude en est par cela même rendue par fois un peu difficile. C'est un désagrément inévitable; nous l'avions reconnu et déploré bien avant qu'il nous fût signalé, mais nous n'y connaissions point de remède.

De judicieux observateurs, auxquels nous serons toujours charmé de prouver notre déférence, nous ont conseillé, afin d'obvier autant que possible à cet inconvénient, de publier des catalogues reproductifs des indications dont les sujets sont porteurs;.de la sorte, ceux placés trop haut pour que leurs étiquettes soient lues aisément ne seraient pas des énigmes pour les visiteurs, que le catalogue, facile à consulter, renseignerait toujours. Ce moyen nous semblant, en effet, le seul capable de

remédier au mal, nous nous hâtons de l'employer, et nous publions pour commencer le catalogue des mammifères et celui des oiseaux.

Toutes les espèces que nous avons été à même d'observer en Algérie seront inscrites sur ces catalogues. Les noms des donateurs, l'indication de sexe et de provenance désigneront celles déjà installées à l'Exposition.

Nous ferons suivre chaque catalogue, mais seulement à titre de renseignement, d'une liste supplémentaire de quelques autres espèces qui nous ont été signalées comme se trouvant en Algérie, mais dont la présence en ce pays ne nous est pas assez prouvée pour que ,nous puissions l'affirmer. Nous nous sommes imposé la loi de ne pas indiquer une seule espèce sur la foi d'autrui ou sur des renseignements vagues ; tous les animaux mentionnés sur les catalogues que nous, publierons auront donc été vus et examinés par nous.

Nous ne terminerons pas ce trop long préambule sans offrir à Son Excellence M. le maréchal Vaillant, ministre de la guerre, à M. le maréchal Randon, gouverneur général de l'Algérie, à MM. Les généraux Renault, Yusuf, de Chabaud-Latour, de Liniërs de Tourville, et à M. le colonel de Neveu, un public témoignage de notre gratitude; la flatteuse approbation qu'ils ont bien voulu nous témoigner est la plus douce récompense de nos persévérants efforts.

Nous serions, ingrat, et, Dieu merci, nous ne le sommes pas, si nous ne venions pas ici prier M. le commandant Marguerite de vouloir bien agréer un sincère témoignage de notre vive reconnaissance. Ayant été autorisé par M. le gouverneur général à nous joindre à la colonne qui, sous les ordres de cet officier supérieur, a, pendant l'expédition de 1856-57, parcouru le Sahara, nous avons dû à sa généreuse obligeance, à son excellent et efficace concours, la majeure partie des résultats par nous obtenus; le souvenir de sa gracieuse bonté nous sera à jamais précieux, et nous espérons que les bons offices qu'il a bien voulu nous rendre auront leur utilité pour la science. Nous renouvelons aussi à M. le docteur Reboud et à M. le lieutenant Philibert, qui, pendant cette expédition du Sahara, nous ont si activement secondé, nos affectueux remefcîments, et nous les prions, ainsi que M. le docteur Guyon, monsieur Schousboë, MM. les capitaines Garnis et Guyon-Vernier, et tous ceux qui nous sont déjà venus en aide, de vouloir bien nous continuer leur amicale assistance.

Loche, V. (1867). Exploration scientifique de l'Algerie pendant les années 1840, 1841, 1842. Histoire naturelle des mammifères. Ordre des Chéiropteres Chiroptera (pp. 73 - 83).

La difficulté de parcourir l'Algérie pendant la domination des deys a laissé planer sur la Zoologie de ce pays une obscurité regrettable, que tous les efforts de quelques savants, parvenus à pénétrer dans cette contrée, n'ont pu entierenrent dissiper.

Le gouvernement français, toujours jaloux d'imprimer à la science une.énergique impulsion, constitua en 1839 une commission scientifique, qui, durant les années 1840, 1841 et 1842, explora l'Algérie et fut chargée, sous ses auspices, de publier le résultats de cette exploration.

Plusieurs des naturalistes qui faisaient partie de cette commission, ont accompli leur tâche, quelques-uns ne l'ont pas entièrement achevée, et l'un d'eux s'est abstenu; c'est par suite de cette abstention, dont nous n'avons pas à examiner les motifs, que la rédaction de la Mammalogie et de l'Ornithologie de cet ouvrage nous a été inopinément confiée.

Nous ne nous sommes pas dissimulé qu'il faudrait plus de talent et,de science que nous n'en possédons, pour mener à bien cette tâche ardue: la Mammalogie et l'Ornithologie de l'Algérie étant encore si incomplètement connues! Un désir, qui pour nous est un ordre, ne nous a cependant pas permis d'hésiter, alors surtout que les hommes les plus considérables de la science daignaient nous encourager, nous offrir le secour de leurs lumières et accorder à nos efforts la plus flatteuse; approbation.

Nous étions déjà redevable à M. Isidore Geoffroy-Saint-Hilaire du titre de correspondant du Muséum d'histoire naturelle de Paris cet illustre savant; dont les travaux ont eu un si grand retentissement, a

bien voulu encore faire, mettre à notre disposition les incomparables richesses de l'établissement dont il est une des gloires.

Son Altesse le prince Charles-Lucien Bonaparte, ce zoologiste éminent dont la science déplore si amèrement la perte, n'a pas dédaigné non plus d'encourager nos efforts; ses judicieuses observations nous ont fourni les moyens de rendre notre travail moins inparfait, et il nous est bien pénible de ne pouvoir plus consigner qu'ici le profond sentiment de reconnaissance dont son affectueuse bienveillance nous avait pénétré.

M. Z. Gerbe, naturaliste, dont la modestie égale la science, et à l'affection duquel nous devons tant, nous a prêté un concours que son profond savoir nous a rendu do.blement précieux.

M. Schousboë, interprète principal de l'armée, a bien voulu nous fournir, sur les appellations des animaux de l'Algérie, d'utiles renseignements.

M. Jules Verreaux, cet infatigable zoologiste-voyageur, qui cultive avec le même succès toutes les branches de l'Histoire naturelle, mais que l'Ornithologie surtout toujours passionné, et à laquelle il a consacré la meilleure part de sa vie, ses si heureuses aptitudes et une incroyable activité d'esprit, ce judicieux et si sagace observateur qui plus que personne a vu et comparé, et qui plus que personne aussi a su mettre à profit les exceptionnelles facilités d'examen qu'il a eues, Jules Verreaux, avec une bonne grâce et une obligeance parfaite, nous a favorisé de conseils et d'indications qui nous rendent à jamais son sincère obligé.

Combien aussi ne devons-nous pas au savant M. Lemercier, sous-bibliothécaire au Musée d'histoire naturelle de Paris? C'est à son inépuisable obligeance que nous avons dû les précieuses facilités de recherches qui nous étaient si nécessaires pour notre travail bibliographique.

Pourquoi faut-il qu'en Algérie, où nous avons dû accomplir la majeure partie de notre travail, nous ayons manqué de toutes les ressources'qui, à Paris, nous étaient libéralement offertes? Malheureusement il n'existait point ici de collections publiques ni privées, et les documents scientifiques n'y faisaient pas moins défaut. C'est donc très souvent, sans avoir à notre disposition les moyens d'arriver à une exacte et rigoureuse détermination des sujets, que nous avons dû procéder: aussi, de quelque minutieuses précautions que nous nous soyons entouré pour éviter lés causes d'erreur, n'osons-nous pas nous flatter d'y être toujours parvenu.

Nous avons souvent envoyé à Paris des sujets sur lesquels nous ne pensions pas pouvoir prononcer avec certitude, mais malgré cette précaution nous n'avons pas toujours obtenu des renseignements suffisants.

Diverses excursions accomplies dans le Sahara nous permirent de recueillir un certain nombre de Mammifères et d'Oiseaux, dont les uns nous semblèrent nouveaux pour la science, et les autres non encore signalés comme se trouvant en Algérie. Ils méritaient certainement un examen spécial; nous les adressâmes à M. le maréchal Vaillant, alors ministre de la guerre, qui s'empressa de les soumettre à l'Académie des sciences; dont ce savant ministre est un des membres les plus distingués: cette nouvelle preuve du bienveillant intérêt dont cet illustré savant daigne nous honorer, a mis le comble à la gratitude que nous lui avons vouée, mais nous avons eu le regret d'être forcé d'imposer nous-même des dénominations à ces espèces, dont on rencontrerai description dans le cours de cet ouvrage; car après avoir été soumis.à la docte assemblée, par des motifs qui nous sont restés inconnus, ces sujets nous sont revenus sans être détermines.

Comme la Botanique et l'Entomologie ont en Algérie de nombreux et savants adeptes, l'on s'étonnerait à bon droit que deux des plus importantes classes du Règne animal y en rencontrassent aussi peu, si l'on ne se rendait pas compte des difficultés spéciales dont l'étude de certains vertébrés y est entourée.

Quelque restreints que soient les loisirs dont on peut disposer, ils:permettent toujours de colliger les plantes ou les insectes de la localité qu'on habite, on sait où les rencontrer, et c'est presque toujours à coup sûr qu'on procède à leur recherche; une fois récoltés, leur aménagement est facile, il exige peu d'espace, la préparation des sujets se fait sans apprentissage, n'oblige qu'à des dépenses minimes, et les ouvrages sur la matière, depuis les plus élémentaires jusqu'aux plus savants, sont nombreux. Il en est tout autrement pour les Mammifères et pour les Oiseaux doués d'une grande perfection

d'organes et de puissants moyens de locomotion, les individus qui composent ces deux grandes classes due Règne animal sont difficiles à capturer; les observer vivant est malaisé, leurs dépouilles mêmes, pour être conservées, exigent les préparations immédiates, souvent pénibles et répugnates, toujours délicates et que très-peu de personnes savent exécuter; dès qu'il s'agit d'animaux de grande taille, qui vivent loin des centres habités, les moyens de transport manquent souvent dans un pays non encore pourvu de voies de communication: toutes ces causes apportent au zèle des explorateurs des obstacles trop souvent insurmontables. Néanmoins, une collection est-elle réunie, elle exige un vaste local, l'installation en est longue, coûteuse, elle réclame des travaux et des soins continuels; les ouvrages sur la matière sont assez rares, leur prix très-élevé et encore n'est-il pas toujours facile de se les procurer.

Tels sont en abrégé les obstacles qui tout d'abord entravent l'étude de la Mammalogie et de l'Ornithologie. Cette étude, cependant, recèle un attrait si vif, que si l'on en surmonte les premières difficultés, on s'en éprend ardemment et on souscrit à toutes ses exigences! Nous le savons par expérience, car après lui avoir consacré tous les loisirs de notre vie, lui avoir sacrifié tous nos intérêts et nos plus légitimes espérances d'avancement, nous ne regrettons qu'une chose, c'est de n'être pas parvenu à faire davantage pour elle, et nous ne nous en consolons qu'en cherchant constamment à la glorifier et à lui créer des prosélytes.

Nous nous sommes dit que parler aux yeux est toujours le chemin le plus sûr pour arriver au coeur et à l'esprit, et faire naître cette envie d'apprendre, qui ira toujours s'augmentant si elle trouve à sa portée des moyens de satisfaction.

Pénétré de cette conviction, nous avons saisi avec empressement l'occasion de mettre nos théories en pratique, et M. le maréchal comte Randon, gouverneur général de l'Algérie, ayant créé à Alger une Exposition permanente des produits de ce pays, et nous ayant attaché à cet établissement, nous nous sommes résolument mis à l'oeuvre, et là, sans négliger la tâche qui nous est confiée, tâche que nos recherches au contraire doivent (nous l'espérons du moins) mieux nous mettre à même de remplir, nous sommes enfin parvenu à fonder une galerie zoologique exclusivement algérienne, où sont déjà réunis et classés les principaux types de la faune de ce pays, ce qui n'est pas un des moindres attraits qu'offre à ses visiteurs l'Exposition permanente des produits de l'Algérie.

Aux soixante-dix espèces de Mammifères et aux trois cent cinquante-sept espèces d'Oiseaux, mentionnés dans le catalogue que nous avons précédemmènt publié, nous devons déjà ajouter quinze espèces de Mammifères et douze espèces d'Oiseaux; ce résultat de nos récentes explorations nous fait bien augurer de l'avenir.

Les dépouilles de presque toutes les espèces mentionnées dans cet ouvrage figurent dans les galeries de notre Exposition permanente, et seront certainement le meilleur et le plus utile commentaire de ce traité de Mammalogié et d'Ornithologie algériennes.

Les collections d'OEufs, de Reptiles, Crustacés, Insectes, Mollusques, etc., que nous achevons de réunir dans l'établissement dont la direction nous est confiée, et les riches herbiers qui y sont mis à la disposition du public, ont aussi déjà fourni de très-utiles renseignements à ses visiteurs toujours plus nombreux.

Espérant populariser promptement en Algérie le goût des sciences naturelles, nous avons donné à nos recherches toute l'étendue qu'il nous a été possible; nous n'avons pas reculé devant la nécessité d'aller même, pendant les ardeurs de l'été, explorer les localités les plus malsaines, et d'où la crainte des fièvres éloignait jusqu'aux indigènes en d'autres circonstances, nous avons suivi nos colonnes expéditionnaires jusqu'aux extrêmes limites de nos possessions, fournissant chaque jour notre étape comme le soldat: nous avons ainsi pu poursuivre dans les immenses solitudes du Sud, au risque de nous y égarer, les espèces qui s'y confinent; malheureusement nous n'avions aucun auxiliaire, et obligé, comme nous l'étions, de consacrer nos nuits à la préparation des sujets et à la rédaction de nos notes, nous craignons, malgré toute la peine que nous avons prise et les sacrifices que nous avons accomplis, de n'avoir qu'imparfaitement réussi.

II reste beaucoup à faire dans un pays aussi richement doté, et qui est encore bien imparfaitement connu; nous serions heureux que nos faibles travaux pussent attirer sur l'Algérie l'attention des savants et des naturalistes, qui peuvent seuls achever la tâche que nous n'avons fait qu'ébaucher: nous

pouvons promettre à nos successeurs des facilités qui nous ont manqué; les collections que nous avons réunies dans les galeries de l'Exposition leur fourniront des indications dont l'absence nous a fait perdre un temps énorme, forcé que nous étions d'effectuer nos courses au hasard ; nous avons pourvu, autant que possible, les sujets de leur synonymie, ainsi que de leurs noms vulgaires et arabes, et de celui des localités où ils ont été capturés; des voies de communication perfectionnées se créent chaque jour en Algérie, les moyens de circulation s'y améliorent, l'étendue de nos possessions, la sécurité que le zèle éclairé et l'active surveillance, de l'administration sont parvenus à faire régner jusqu'à leurs extrêmes' limites, permettront d'explorer ce pays avec autant d'agrément que de fruit. Par un heureux privilège, cette contrée devenue française, offre au naturaliste le plus rare et le plus curieux assemblage de productions. La configuration de l'Algérie; sa position, son immense littoral, son Sahel, ses admirables plaines, ses hautes montagnes, ses forêts séculaires et même ses déserts, la mettent dans des conditions de température telles que peu de contrées du globe peuvent lui être comparées et montrer, sur un espace relativement peu étendu, une aussi grande variété des êtres auxquels la Providence assigne un rôle dans les harmonies de la nature. Tout invite à venir visiter ce pays, la bienfaisance de son climat ajoute à tous ses charmes un précieux attrait: que de personnes déjà lui doivent le retour d'une santé que les rigueurs des hivers européens avaient délabrée? Aux portes de la France, à laquelle il est relié par un rapide et régulier service de bateaux à vapeur et par un câble électrique, les rapports sont faciles et presque instantanés! Aussi espérons-nous que l'appel que nous nous permettons d'adresser aux amis des sciences naturelles, sera entendu. S'il en était ainsi, avant peu nous en ayons la conviction, l'attention du monde savant serait fixée sur la faune et sur la flore de cette admirable contrée, et combien nous nous féliciterions si, pour si peu que ce soit, nous pouvions contribuera ce résultat!

Il résulte des observations consécutives que nous avons réalisées sur les Mammifères et les Oiseaux de l'Algérie, que les espèces qui se rencontrent dans les parties septentrionales de ce pays, offrent de très-grands rapports avec leurs congénères de l'Europe méridionale, que beaucoup sont communs aux deux contrées, mais qu'à mesure qu'on s'avance vers le sud, l'analogie s'amoindrit et s'efface, d'abord pour les Mammifères, pour les Oiseaux ensuite; puis on remarque alors entre nos espèces algériennes et celles qui se trouvent en Nubie, en Abyssinie, au Sennaar, des similitudes de plus en plus frappantes.

Contrairement à ce que la différence de climat pourrait, *a priori*, faire supposer, la reproduction des Mammifères et surtout celle des Oiseaux s'effectue plus tardivement en Algérie qu'en France; il en est de même.pour la mue qui, ici, n'a guère lieu qu'un mois plus tard qu'en France.

Cette apparente anomalie a sa raison d'être et sa réelle utilité. Cette tardive reproduction évite aux nichées les inconvénients que les pluies du printemps, torrentielles en Algérie, ne manqueraient pas de leur occasionner.

La taille des Mammifères et des Oiseaux est en Algérie généralement un peu inférieure à celle de leurs congénères d'Europe, ce qu'on peut attribuer à une nourriture trouvée en moins grande abondance, dans un pays où de très-vastes espaces sont incultes.

Pour élucider cette question de l'influence que peut avoir sur la taille des individus l'abondance ou la disette de nourriture, nous rappellerons un fait que tous les chasseurs ont observé en France, à savoir: que les Perdrix qui vivent sur les montagnes sont bien moins grosses, que celles qui vivent dans les plaines. Les Perdrix étant particulièrement granivores, trouvent en conséquence, dans nos plaines de France bien cultivées et très-fertiles, une nourriture plus considérable que celle à laquelle sont réduites les Perdrix des pays de montagnes, où les céréales sont rares; de là certainement leur différence de taille.

En Algérie, les Perdrix préfèrent aux céréales des graminées sauvages, que la culture fait disparaître des plaines, et qui, au contraire, sont très-abondantes sur les montagnes; de là la taille supérieure des Perdrix de montagne. Ajoutons, comme argument corroboratif, que, dans le Sahara algérien, la taille de la Perdrix est encore bien plus petite que dans toutes les autres localités de ce pays.

La livrée des Mammifères et des Oiseaux offre, en Algérie, des teintes plus pures, plus nettes et plus brillantes que celle de leurs congénères d'Europe, mais ces différences, dues à une température plus élevée surtout en hiver, ne suffisent pas, avec la différence de taille mentionnée plus haut, pour constituer, en l'absence d'autres diagnostics, des caractères spécifiques.

II nous a été indiqué, comme se trouvant en Algérie, quelques espèces de Mammifères et d'Oiseaux que nous n'y avons point rencontrées, et dont la présence en ce pays ne nous semble pas assez certaine pour que nous pensions devoir les admettre. Nous ne signalerons donc, comme espèces algériennes, que celles dont nous ayons constaté la capture en cette contrée.

Dans le but de venir en aide aux personnes qui voudront effectuer des recherches zoologiques en Algérie, nous ajoutons aux noms vulgaires et scientifiques des espèces ceux sous lesquels les Arabes les désignent, afin de faciliter ainsi aux explorateur, les moyens de s'entendre avec les indigènes. C'est principalement à M. Schousboë interprète principal, que nous devons ces utiles renseignements.

Nous ferons remarquer que les indigènes, loin de donner à chaque espèce un non spécial, désignent par la même appellation toutes celles qui leur semblent avoir quel que conformité d'orgànisation, de mœurs ou de physionomie. Le nom arabe correspond donc plus généralement à un nom de genre, et même parfois de famille, qu'celui d'une espèce.

Parmi les Mammifères, le Magot commun (la seule espèce de l'ordre des Primates que nous ayons rencontrée en Algérie) est connu des Arabes sous le nom de Chadi.

Le Chacal est appelé Dib.
Les différentes espèces de Renards sont confondues sous la dénomination de Tsaalb.
L'Hyène est connue sous le nom de Debaâ;
La Mangouste sous celui de Zerdi;
Les deux espèces de Genette sous la même appellation de Khot-el-Ghali.
Le Lion est désigné par les Arabes sous le nom de Sebaà. Les Marocains le nomment Axed.
La Panthère est appelée Nemeur, et probablement aussi le Serval?
Le Guépard a un nom spécial, celui de Fehed.
Le Caracal est nommé Anag-el-Ard.
Les divers Félis se nomment indistinctement Kot-el-Khla.
La Belette d'Algérie ou Putois Boccamele est appelée Far-el-Kheil.
La Loutre est désignée sous le nom de Kilb-el-Ma.
Le Sanglier est connu sous la dénomination de Hallouf-el-Ghaba.
Le Chameau est appelé Djemel, et le Chameau-coureur Mehari.
L'Antilope Addax est connue dans le Sud sous le nom de Meha.
Les .deux espèces de Gazelles portent le mênre nom, Ghzala ou Bezala.
Le Bubale est nommé Begra-el-Ouahch;
Le Moufflon à manchettes, El-Arouy.
Tous les Vespertilionidés sont connus des Arabes sous la dénomination générale de Their-Ellil, tandis que les Marocains les nomment Onthouith.
Les diverses Musaraignes, aussi bien que les petits Rongeurs, sont indiqués par le même nom de Far-el-Khla.
La Macroscélide, selon les contrées, est nommée Far-el-Kheil, comme la Belette, ou Erbib-el-Helalif.
Le Hérisson est nommé Ganfoud.
Les diverses espèces de Gerboises ont la même dénomination, Djerboa.
Le Cténodactyle, et probablement quelques espèces de Gerbilles, sont nommés Gird ou Djird.
Le Rat rayé ou de Barbarie est nommé Zordani.
Le Porc-Epic est appelé Darban.
Le Lièvre se nomme OErneb.
Le Lapin Gounïn.

Il nous a été impossible d'obtenir aucun renseignement sur les noms de quelques Mammifères, que les Arabes ne veulent pas considérer comme tels; le Dauphin et le Phoque sont pour eux des Poissons, voilà tout; mais quant à une autre désignation spécifique, ils n'ont pas pu nous l'indiquer.

Si, parmi les Oiseaux, quelques espèces sont connues des Arabes sous des noms spéciaux, il en est d'autres auxquels ils n'ont même pas appliqué une dénomination générique.

Tout Vulturien est nommé Ennesser ou Nesser.
Le Gypaëte, comme les Aigles en général, a reçu des Arabes le nom de El-Ogab.

Le Néophron, probablement en raison de sa petite taille et de sa coloration, possède un nom particulier, Rähhma ou Errakhma.
Les habitudes spéciales-du Balbusard et sa manière de vivre, le font désigner sous celui de Boukhatem.
Tous les Milans sont confondus sous le nom générique El-Essaf. Les Marocains les nomment Siouna.
Les Faucons, que cependant les chefs arabes utilisent pour la chasse, sont tous désignés sous la même appellation, Taïr-el-Hor.
Les Busards et les Buses, que nous avons parfois entendu nommer Taïr-el-Baz, sont le plus souvent nommés comme les Milans, Essaf.
Toutes les grandes espèces de nocturnes, et surtout la Chouette-Hulotte, que les Arabes connaissent bien, sont appelés par eux Bourourou, par onomatopée probablement.

Les petites espèces sont plus spécialement, désignées sous le nom de Youka ou Moukha, qu'ils appliquent, aussi aux Engoulevents.
Les Martinets et les Hirondelles sont tous nommés Khothaïfa.
L'aspect particulier de la Huppe lui a valu un nom spécial, Hadhoid.
Le Coucou, par analogie avec son chant, est appelé Tekouk.
Pour tous les Pics, il n'est qu'un nom, Nekkab-Essedjàr.
Le Martin-Pêcheur porté seul le nom de Mekkiet-el-Ma.
Les Guépiers sont nommés Elliamoun. Les Européens, les nomment Chasseurs .d'Afrique.
Le Rollier, que les Arabes nomment Cherrekhbrok, est le Geai bleu des Européens
Toutes les Mésanges sont nommées, par les Arabes, Bou-Reziza.
Les Bergeronnettes, Emsissi ou Messissi.
Le Merle, le Turdoïde, et peut-être quelques autres espèces encore, sont désignés sous le nom de Djahmouna.
Le Rossignol et la plupart des Becs-Fins chanteurs sont tous indistinctement nommés Belbel ou Oum-el-Hassem.
Toutes les Pies-Grièches n'ont qu'un seul nom, Bousseround.
Le Geai, qui, en Algérie, est appelé Djirire, se nomme Derraz au Maroc.
La Pie, que par imitation de son cri les paysans nomment si généralement Agasse en France, est probablement, par le même motif, appelée par les Arabes Agâag.
Les Corvidés sont connus sous le nom générique El-Ghorab.
Le Crase Coracias est désigné, par les Arabes, sous le nom d'Ogrieb-N'sara, ou, Corbeau des chrétiens.
L'Étourneau vulgaire et l'Unicolor n'ont qu'une même désignation, Zerzour.
Le Bruant Proyer, et nombre d'autres espèces que les Arabes n'en distinguent pas sont compris sous une même désignation, celle de Dorriz ou Derris.
Les Moineaux, que les Arabes nomment Zaouch, sont appelés Borthal par les Marocains.
Le Chardonneret est nommé Mokhnim.
Le Pigeon Ramier ou Palombe est spécialement appelé Zaotoul.
Le Biset et le Colombin sont nommés l'un et l'autre Hamman-el-Berri.
Les Gangas sont désignés sous le nom deKoudri.
Les Caâtas portent celui de El-Guetâa.
La Perdrix porte le nom harmonieux de Hadjel.
Le Craterope fauve ou numide, Errebib el Hadjela (fils adoptif de la Perdrix).
La Caille et aussi le Turnix sont indifféremment désignés sous les noms de Melloh, Melloha ou Semmana.
La Foulque macroule et la Foulque à crête ont la même dénomination de El-Ghor que partage peut-être encore la Poule-d'eau
Le Courre-Vite Isabelle est nommé Souaq-el-Ibe (piqueur de Chameaux).
La Grue, qui n'est cependant que de passage en Algérie,.est connue des Arabes sous le nom de Gharnouy, sous lequel est- aussi désignée probablement la Grue-Demoiselle.
L'Outarde cannepetière, si connue des Européens en Algérie sous le nom de Poule de Carthage, est nommée par les Arabes Râad, et par les Marocains Sefsaf.
Les Otis, Tarda, Arabs, Houbara, n'ont qu'une seule désignation, celle de Hobara.
L'Outarde par excellence des Européens en Algérie est l'Outarde Houbara, celle que les chefs arabes chassent au Faucon.
L'OEdicnème porte le nom de Kirouna.
Le Vanneau, celui de Bibetli.
Le Pluvier doré, et probablement aussi le Guignard, se nomment Dorrich ou Dorridj.

L'Ibis Falcinelle est plus connu des Marocains que des Arabes, sous le nom de Mâazet-el-Ma.
Les Hérons sont en général nommés en Algérie Bou-Ank, et au Maroc Aichauch.
Le Butor a un nom spécial, celui de Sebou-eî-Merdja.
La Cigogne, très-répandue en Algérie, et qui niche sur les gourbis des Arabes, est nommée par eux Belaredj et Boucherkchakh.
La Spatule est appelée Bouquerquaba.
Le Phénicoptère se nomme Nihof ou Nehof.
L'Oie est appelée Onza, et le Cygne n'a probablement pas d'autre désignation.
Le Canard sauvage partage, avec toutes les espèces de sa famille, la dénomination générique de Zergue-Erras.

Nous n'avons pu obtenir aucun renseignement sur les noms des petits Echassiers et des Pélagiens, assez nombreux cependant en Algérie.

Les Mammifères et les Oiseaux de l'Algérie qui sont les plus connus, sont ceux qui, communs à cette contrée et à quelque autre partie du globe, ont été décrits et figurés dans des ouvrages devenus claissiques.

Les espèces plus récemment découvertes ou d'aspect moins remarquable, ne possèdent pas les mêmes avantages; ce n'est que dans des ouvrages spéciaux ou des publications périodiques, peu faciles à consulter, qu'on peut en trouver les descriptions quelques-uns même sont encore inédits.

Ces différences nous imposeront l'obligation de décrire d'autant plus longuement une espèce, qu'elle-sera moins connue. Quand faire se pourra, nous citerons, *in-extenso*, la description, de l'auteur initial; mais s'il l'avait publiée dans une langue avec laquelle nous serions trop peu familiers pour en être un traducteur suffisant, nous nous bornerons à reproduire sa diagnose.

La synonymie, dont chaque espèce sera accompagnée, en donnant pour les individus que nos grands maîtres ont si bien fait connaître, les moyens de se reporter à leur ouvrages, pourra nous permettre d'abréger nos descriptions, et de n'y ajouter que les détails qui nous paraîtront susceptibles d'intéresser.

Le système de classification de Son Altesse le prince Charles-Lucien Bonaparte ayant été appliqué aux galeries ornithologiques du Muséum d'histoire naturelle de Paris, magnifique établissement que d'immenses richesses, des moyens d'étude et de comparaison hors ligne et sans cesse accrus par le zèle de ses administrateurs, font chaque jour consulter avec plus de fruit, et les ouvrages de cet illustre savant, étant d'ailleurs entre les mains de toute personne s'occupant un peu sérieusement de Zoologie, nous avons cru faire une chose bonne et utile en nous conformant, pour l'arrangement systématique de cet ouvrage, comme nous l'avions fait pour les catalogues qui l'ont précédé, à la méthode de classification de ce célèbre zoologiste.

Nous savons bien que, n'ayant à nous occuper que des espèces d'une seule contrée, de nombreuses lacunes existeront nécessairement; mais c'est un inconvénient qui eût toujours été inévitable, quel que fût le système auquel nous nous fussions arrêté; nous conviendrons au surplus que, tout en reconnaissant les services qui pourraient être rendus à la science par une méthode de classification dont la perfection ne serait pas contestée, nous craignons qu'une telle méthode ne soit vainement espérée, et nous avons préféré suivre celle du prince, déjà expérimentée, que de venir, nous aussi, essayer d'innover et compliquer ainsi des difficultés qui n'ont que trop éloigné des sciences naturelles les personnes qui ne peuvent y consacrer que de courts loisirs, et auxquelles l'impossibilité de se reconnaître au milieu de tant de divisions et d'appellations nouvelles a fait abandonner cette intéressante étude, qui est ainsi menacée de devenir l'apanage exclusif d'un petit nombre d'initiés.

Trop de .personnes aujourd'hui semblent croire que l'établissement d'un système de classification est le but, au lieu d'être le moyen; quant à nous, qui voudrions populariser la science, au lieu d'en faire le monopole de quelques privilégiés pouvant lui consacrer tous leurs instants, et qui n'estimons un système que pour les facilités d'étude qu'il procure, bien convaincu que celui avec lequel on est déjà familier rendra plus de .services qu'aucun autre, nous ne changerons rien à celui d'après lequel ont été rédigé nos catalogues.

Lönnberg, E. (1908c). Notes on some mammals collected in the Congo Free State.

The following small collection of mammals was delivered to the R. Natural History Museum in Stockholm some time ago by the Swedish Missionary, Mr K. E. LAMAN, who previously has shown his interests for the zoology by collecting birds and insects, and thus in a valuable manner has increased our knowledge about the fauna of Lower Congo. The mammals mentioned below, and partly described as new, have been collected at Mukirnbungu below Manvanga , about an hours way from Congo River in Lower Congo.

Lönnberg, E. (1917a). Mammals collected by H.R.H. Prince Vilhelm's Expedition to British East Africa, 1914.

When H. R. H. Prince VILHELM had returned from his shooting expedition to British East Africa it pleased H. R. H. to present to the R. Natural History. Museum a valuable collection of mammals in addition to the collection of birds which I have had the honour of describing before. This collection of mammals contains about 115 specimens of various small mammals and in addition to this several heads of antelopes and other game. Especially among the former there are several forms of special interest and even new ones. Among the latter I have the honour of dedicating a new *Dendrohyrax* to H. R. H. to whom the Museum is indebted for this valuable donation.

The specimens have been mostly collected at Donya Sabuk and are prepared by Mr. CH. A. TURNER,who has done his work very well.

Lönnberg, E. and N. Gyldenstolpe (1925). Zoological results of the Swedish expedition to Central Africa 1921. Vertebrata. 3. Preliminary diagnoses of four new mammals.

The following mammals were collected during the expedition mentioned by H. R. R. Prince WILHELM and Count GYLDENSTOLPE. The type-specimens are all kept in the R. Nat. Hist. Museum in Stockholm.

Lopes, F. J. and J. Crawford-Cabral (1992). Catálogo dos Chiroptera em colecçao no Centro de Zoologia.

São listados neste trabalho 433 exemplares de Chiroprera, em colecção no Centro de Zoologia do Instituto de Investigação Científica Tropical, pertencentes a 30 espécies. Três dessas espécies são registadas pela primeira vez para a fauna da Guiné (*Taphozous perforatus, Eptesicus somalicus* e *Pipistrellus nanus*) e duas para a de Macau (*Pipistrellus abramus* e *Miniopterus schreibersi*).

The authors report 433 specimens of Chiroptera housed in Centro de Zoologia of Instituto de Investigação Científica Tropical. As many as 30 species are listed. Three of these species are recorded for the first time from Guiné (*Taphozous perforatus, Eptesicus somalicus* and *Pipistrellus nanus*) and two from Macau (*Pipistrellus abramus* and *Miniopterus schreibersi*).

Loveridge, A. (1923). Notes on East African mammals, collected 1920 - 1923.

The present paper may be looked upon as supplementary to the 1915 - 1919 notes, as localities then recorded are not repeated (except in one or two instances) or similar observatins duplicated.

A new feature of the present paper is the inclusion of carefully ascertained native names from only those tribes in whose district the specimens were collected. I consider it of importance that these names should be collected as soon as possible for, with the increasing facilities for travel, many tribes - especially along the Central Railway - are rapidly forgetting their specific names for animals and

adopting the blanket-names of the town bred coast Swahili, who call every rat, excepting Cricetomys, "Panya." The rat-eating Wagogo and Wanyaturu, on the other hand, have specific names for almost every species.

I have avoided using names supplied by other tribes until that particular animal has been collected in their particular district, as when a native is asked for the name of an animal he is not familiar with he will invariably supply you with the name of the nearest creature in appearance to it that he knows, and at times these may not be even related (e.g., lemurs and squirrels, or mole-rats and blesmols). For these reasons a very large percentage of names collected by travellers and given by Matschie are quite wrong (e.g. on p. 65, "Uma mwitu" is given for the jackal instead of "Mbweha"). Umba ya mwitu is the hunting dog, and means "dog of the bush." Matschie gives for its Chigogo (not Kigogo) name "Mbua ya porini," which is mererly the concoction of a bright native, as Iminzi is the correct Chigogo equivalent. None but a naturalist can hope to obtain native names of animals with any degree of accuracy, and only then by a lengthy cross-questioning can he be certain there is no confusion.

In this connection I should like to express my thanks to the Rev. John Briggs, who very kindly and thoroughly revised my whole vocabulary of Chigogo names, to Messrs. Thomas and Kershaw, for identifying all the primates, bats, and rodens, and a good many in the other groups (most of the ungulates were not submitted owing to the expense of freighting them); to Dr. Baylis, Mr. Stanley Hirst, and the late Hon. N.C. Rothschild, for kindly determining the parasitic worms, ticks, and fleas; and lastly, but not least, to my chief, C.F.M. Synnerton, Esq., for the encouragement and interest he has shown in my work, and for permission to publish various notes jotted down whilst on official journeys.

The material mentioned in the following pages consists of 920 skins and skulls, comprised as follows:

Order - Families - Genera - Species - No. of specimens.
Primates: 2 - 4 - 10 - 40
Chiroptera: 8 - 14 - 22 - 200
Insectivora: 3 - 5 - 13 - 43
Rodentia: 9 - 25 - 46 - 417
Carnivora: 5 - 15 - 28 - 120
Ungulata: 5 - 20 - 24 - 100
Totals: 32 - 83 - 144 - 920

As for two years of the time the writer was stationed at Kilosa, in the office of the Game Department, he had to rely on native collectors to a great extent. The success of the collecting is largely due to the enthusiasm of two brothers, Salimu and Nikola, who collected over 600 skins and exhibited the greatest keenness in looking for novelties. It need not be supported that the skins are poor on this account; on the contrary, I think they will compare very favourably with any made by Europeans.

It is to be regretted that in the great majority of cases the taking of the measurements had to be left to Nikola, but after checking him on many occasions I have sufficient confidence to believe that they are of some value, though it should be borne in mind that a native does not usually see the necessity for such accuracy as does the mammalogist. Where measurements are given in this paper they are always in this order: - (i.) Length from nose to vent. (ii.) Length of tail withoug terminal hairs. (iii.) Length of hind foot without claws. (iv.) Length of ear from tip to notch. In the case of bats a fifth measurement is added: (v.) Lengto of wing, sometimes across outstretched wings as well. All figures are in millimetres.

Four new species and one new race have already been described from this material by Mr. P.S. Kershaw, viz., *Nycteris marica, Elephantulus renatus, Steatomys muansæ, Arvicanthis tenebrosus*, and *Rattus chrysophilus singidæ*.

Lundberg, K. and R. Gerell (1986). Territorial advertisement and mate attraction in the bat *Pipistrellus pipistrellus*..

A South Swedish population of the vespertilionid bat *Pipistrellus pipistrellus* was studied by means of bat boxes from April to the beginning of October in 1984. The mating system of the pipistrelle bat is a

"resource defence polygyny". Three territorial males were studied to determine the relative importance of two potential resources, food and roost sites, for male reproductive success. The day roost was found to be the crucial resource for the male's chances to get access to females. A territorial male advertises the location of his day roost to the females by a songflight display. The male who spent most time in songflight display was visited by the greatest number of females.

Lunde, D. P. and P. Beresford (1997). Noteworthy records of bats from the Central African Republic.

The bat fauna of the Central African Republic is among the most poorly known in Africa. Schlitter et al. (1982) provided a comprehensive survey of what little was known of that fauna, along with 20 new species records for the country. The following year Hill (1983) reported an additional four species, bringing the total species count to 49.

During November and December 1996, the American Museum of Natural History initiated a collecting expedition to the Dzanga Sangha Special Dense Forest Reserve, in southernmost Central African Republic. We netted at the confluence of the Sangha and Babongo Rivers, approximately 6 km north of Bayanga, Habitats sampled include dense, inundated forest, characterized by stilt-rooted trees (*Uapaca* sp.) and vast areas of herbaceous plants of the Marantaceae family, and secondary forest along logging roads (Carroll, 1988).

Eleven bat specimens were collected, representing eight species from four families; only towards the end of the collection effort was it discovered that the local residents were regularly taking bats form nets to supplement their diet. Yet despite the small sample size, three of the eight species collected were new records for the country. We report on these specimens and provide an amended list of all species known from the Central African Republic (Table 1). This addition to the chiropteran fauna of the southwestern Central African Republic augments the expectations of Schlitter et al. (1982) that several dozen species remain as of yet unreported from this poorly collected region of central Africa. The specimens are housed in the Department of Mammology of the American Museum of Natural History.

Lynch, C. D. (1975). The distribution of mammals in the Orange Free State, South Africa.

Distribution records of mammals in the Orange Free State are scantily mentioned in ROBERTS (1951), ELLERMAN, MORRISON-SCOTT &. HAYMAN (1953), MEESTER (ed.) (1966 to 1969), and MEESTER & SETZER (eds.) (1971). For many species only a generalized distribution pattern is given e.g. the distribution is given as eastern O.F.S. or semi-arid regions. The distribution in the O.F.S. of some mammal groups are discussed by VON RICHTER (1972), VON RICHTER, LYNCH, & WESSELS (1972), and DAVIS (1974), while that of certain genera are dealt with by MEESTER (1963), MEESTER & LAMBRECHTS (1971), and ROWE-ROWE (1972).

Lynch, C. D. (1994). Mammals of Lesotho.

This is the first scientific publication, based on comprehensive collecting, describing the occurrence of mammals in the Kingdom of Lesotho. The object of this study was to produce a checklist of mammals occurring in Lesotho which lies between latitudes 28° 33' and 30° 41'S and longitudes 27° 00' and 29° 28'E. Particular attention was paid in this checklist to distribution patterns and how these relate with those of mammals from adjacent areas such as the Orange Free State, north-eastern Cape Province and Natal. Thirteen localities were surveyed, while information for several additional localities was obtained through other sources. Fifty-two species of 43 genera of the orders Insectivora, Chiroptera, Primates, Carnivora, Hyracoidea, Artiodactyla, Rodentia, Lagomorpha and Macroscelidea were found to occur in Lesotho. These have been discussed under the subheadings of distribution, habitat, breeding, linear measurements and mass, and records of occurrence. Additionally, 13 species of another 11 genera possibly occur.

Lynch, C. D. and J. P. Watson (1990). The mammals of Sehlabathebe National Park, Lesotho.

An annotated checklist of mammals occurring in Sehlabathebe National Park, Lesotho which lies between latitudes 29° 51' 05" and 29° 58' 00"S and longitudes 29° 04' 00" and 29° 10' 24"E is given. The low mammal diversity found at Sehlabathebe is ascribed to the high altitude, harsh climate, and relatively uniform topographic relief as well as the paucity of woody vegetation in the Park. Nevertheless a total of 32 species are currently recorded in the Park, with a further predicted 11 species and a further five, now extinct, used to occur in the area. These 48 species represent the orders Insectivora, Chiroptera, Primates, Carnivora, Hyracoidea, Artiodactyla, Rodentia and Lagomorpha. Seven of these species are included in the South African Red Data Book under the categories vulnerable, rare and indeterminate while eight species are endemic to greater South Africa and two to southern Africa.

MacDonald, K., E. Matsui, R. Stevens and M. B. Fenton (1994). Echolocation calls and field identification of the Eastern Pipistrelle (*Pipistrellus subflavus*: Chiroptera: Vespertilionidae), using ultrasonic bat detectors.

In the field, *Pipistrellus subflavus* produces 5-ms-long, broadband, echolocation calls when flying in search of airborne prey. These calls typically have two strong harmonics, the first with energy between 35 and 19 kHz and the second with energy between 70 and 38 kHz. To an observer with two narrowband bat detectors, one tuned to 40 kHz and the other to 20 kHz echolocation calls of *P. subflavus* are distinct from those of other syrnpatric species in the northern part of its geographic range.

Madkour, G. A. (1977). A comparative study of certain features of the alimentary canal and disposition of the viscera in egyption bats.

The general structure of the alimentary canal has been studied in fourteen species of Egyptian bats belonging to the family Pteropidae of the Megachiroptera, and the families Rhinopomatidae, Emballonuridae, Nycteridae. Rhinolophidae, Hipposideridae, Vespertilionidae, and Molossidae of the Microchiroptera.

The tongue of the megachiropteran bat, *Rousettus aegyptiacus*, differs from that found in the Microchiropteran species studied in bearing: only two kinds of papillae - the circumvallate and the filiform. The fungiform papillae are absent, although they are found in all the Egyptian Microchiroptera investigated, where they are located usually on the margins of the tongues.

Three circumvallate papillae occur in *R. aegyptiacus* and they are similar in appearance. In *Rhinopoma*, however, the apical third papilla is slit-like, whereas in all the other Microchiroptera studied there are only two circumvallate papillae.

The filiform papillae occur on most of the area of the tongue, but they vary in distribution, size and form in the different species. In *Rousettus* two kinds of these papillae are predominant: the large papillae and the horny ones. The latter are tridentate. In the Egyptian Microchiroptera the filiform papillae are of three types: the small, the large, and the horny (mono- or trifid) ones.

The palatal rugae also differ in the different species. Nine such rugae are present in *R. aegyptiacus* and a central raphe extends between them from the sixth to the eighth. *Nycteris, Rhinolophus* and *Asellia* form a distinct group in which these rugae do not extend beyond the level of the anterior third portion of the second molar teeth. In the other bats the last rugae extend behind this level. Accessory rugae occur in most of the microchiropteran bats, but not in *Rousettus*.

The various parts of the alimentary tract showed marked differences in size, shape and length. The stomach in *Rousettus* is long and tubular, whereas in the microchiropteran bats it is much wider, almost

mallet-shaped. The longest intestinal canal was found in *Rousettus*. The species of *Nycteris, Rhinolophus* and *Asellia* form a difinite group as regards the length of this region; it is nearly of the same length in each of them. Simpson (1945) grouped these bats in the superfamily Rhinolophoidea and Wassif and Madkour (1969, 1972 a, 1973) found similarities in them in the presence of laryngeal pouches, the location of the palatal rugae, and the structure of the pelvis.

Madkour, G. A. (1978). Significance of the distal part of the humerus in the identification of Egyptian bats.

This investigation deals with a comparative study of the distal part of the humeri of fourteen bats which are *Rousettus aegyptiacus aegyptiacus* (Pteropidae - Megachiroptera - *Rhinopoma hardwickei sennaariense, R. microphyllum microphyllum* (Rhinopomatidae), *Taphozous perforatus perforatus, T. nudiventris nudiventris* (Emballonuridae), *Nycteris thebaica thebaica* (Nycteridae), *Rhinolophus clivosus brachygnathus* (Rhinolophidae), *Asellia tridens tridens* (Hipposideridae), *Pipistrellus kuhli marginatus, P. rüppelli rüppelli, Otonycteris hemprichi hemprichi, Plecotus austriacus christiei* (Vespertilionidae), *Tadarida aegyptiaca aegyptiaca, T. teniotis rüppelli* (Molossidae) - Microchiroptera. This distal part of the humerus shows no remarkable specialization in the Megachiroptera, while in the Microchiroptera the entocondyloid tuberosity is large. Other structures were also described in these bats.

Fourteen species of bats were collected from different localities of Egypt, and the distal parts of their humeri were used for comparison between them. The bats belong to the family Pteropidae of the Megachiroptera, and Rhinopomatidae, Emballonuridae, Nycteridae, Rhinolophidae, Hipposideridae, Vespertilionidae, and Molossidae of the Microchiroptera.

The most complicated end of the humeri in these bats, is that of *Nycteris thebaica*, and the least specialized, is that of *Rousettus aegyptiacus*. In this latter bat, the capitulum is smaller and the medial epicondyle is stout. Although members of a definite genus may look similar in many anatomical structures, yet, they differ in the shape of the distal part of their humeri. The medial epicondyle of the *Rhinopoma hardwickei* is blunt and bigger than that of *R. microphyllum*. In *Taphozous perforatus*, the epicondyle is long and terminates distally by a pointed projection. This structure in *T. nudiventris* differs, and is prismatic in shape.

Members of the genera *Nycteris, Rhinolophus*, and *Asellia* are usually grouped in one Superfamily Rhinolophoidae SIMPSON 1945. They are similar in may anatomical features concerning the presence of laryngeal pouches, the palatal rugae, the structure of the pelvis (WASSIF and MADKOUR 1969, 1972, and 1973) and the dimensions of the intestine (MADKOUR 1977). *Asellia tridens* differs in having a very long styloid process, whereas in *Nycteris thebaica* the medial epicondyle projects medially forming a very long and broad process. This epicondyle in *Rhinolophus clivosus* is least specialized, and is prismatic in shape.

Each member of the family Vespertilionidae differs from the others. In *Otonycteris hemprichi*, the distal end of the humerus is robust with a large capitulum. The medial epicondyle is the largest and projects cranially. A pointed lateral epicondyle is found in *Pipistrellus kuhli* and *P. rüppelii* which is projected laterally in the former, and cranially in the latter. The distal end of the humerus in *Plecotus austriacus* is simpler than those of the other bats.

Of the family Molossidae, the trochlea of *Tadarida aegyptiaca* is much larger than that of *T. teniotis*.

Madkour, G. A. (1988). Faces of Microchiroptera from Egypt.

The morphology of faces of Microchiroptera found in Egypt, is very important for the identification of these animals. The present study contains brief descriptions of the faces of thirteen microchiropterous bats collected from the various localities of Egypt. These bats are *Rhinopoma hardwickei, R. microphyllum* (Rhinopomatidae); *Taphozous perforatus, T. nudiventris* (Emballonuridae); *Nycteris thebaica* (Nycteridae); *Rhinolophus clivosus, Asellia tridens* (Rhinolophidae); *Pipistrellus kuhlii, P.*

rueppelli, Otonycteris hemprichi, Plecotus austriacus (Vespertilionidae); *Tadarida aegyptiaca* and *T. teniotis* (Molossidae.

Maeda, K. (1972). Growth and development of large noctule, *Nyctalus lasiopterus* Schreber.

Cette étude qui traite de quelques aspects de la croissance et du développement de la Grande noctule, *Nyctalus lasiopterus* Schreber, a été effectuée à Sapporo en 1966 et en 1967 à notre laboratoire, sur les terrains de l'Université de l'Hokkaido et au Jardin des plantes. Nous avons au préalable captué quelques femelles au filet sur les terrains de l'Université et au Jardin des plantes. Notre travail est principalement basé sur l'observation des petits qui sont nés en laboratoire de ces femelles. Nous avons aussi intégré a notre étude des observations sur le terrain.

Several aspects on the growth and development of the Large noctule, *Nyctalus lasiopterus* Schreber were described. This work is mainly based upon the observations of the young which were born in our laboratory from captive bats netted in the botanical garden and on the campus of Hokkaido University, Sapporo. In addition to the study of the captive animals, field observations were also carried out in these habitats.

The young are born between about the 20th of June and about the 10th of July in Sapporo.

At birth, the young had vibrissae and hairs on the lower base of their claws of their thumbs and of their hind feet. Some of them had no hairs on the body but others had sparsely scattered thin hairs on the back and belly of the body. The pinnae and tragi of the young were folded over or unfolded and held erect. The lids of the eyes were sealed at birth. The measurements of the new born young are shown in Table 2.

The opening of the eyes occurred at 4 to 11 days of age. All the ears and tragi unfolded and were held erect by 7 days of age. The body hairs began to grow from the dorsal side of rump to the head, and to the ventral sides a little later and finally spread all over the body. At about 40 days of age the body hairs of young reached about the same lenght as those of the adult. The colour of hairs of young was darker than the adult's. The growth curves of several dimensions were shown in Fig. 1 to 4. The young began to fly at about 40 days of age when they grew up to nearly the same size as the adult.

The common litter size was two, but some females had only one young. Sex ratio (♂/♀) of young was 0.77.

Different growth and development were observed between singleton and twin.

Generally, the young are left in the roost during the time when the mothers fly out to get food.

Mainoya, J. R. and K. M. Howell (1979). Histology of the neck 'glandular' skin patch in *Eidolon helvum, Rousettus aegyptiacus* and *R. angolensis* (Chiroptera: Pteropodidae).

The histology of the neck ‘glandular’ skin patch has been examined in three Pteropodid bat species, *Eidolon helvum, Rousettus aegyptiacus* and *R. angolensis*. In *E. helvum* the neck skin patch contains a large sebaceous gland complex, which is better developed and more active in males than in females.

A comparable area in *R. aegyptiacus* contains rather non-specialized sebaceous gland alveoli in association with hair follicles and which are more active in males than in females. In *R. angolensis* the brush-like hair of the neck skin patch is much longer and coarser in the male than in the female, but in neither sex was the skin patch glandular.

On the basis of histological observations, the neck skin patch in *E. helvum* would appear to be important for scent emission while in *R. aegyptiacus*, the same structure would be less so. In *R. angolensis*, the neck skin patch, though covered by longer brush-like hair than in other species, contained almost no glandular tissue and perhaps functions to provide visual rather than olfactory behavioural cues.

L'histologie des régions cervicales de peau 'glandulaire' a été examinée chez trois espèces de chauve-souris Ptéropodides (*Eidolon helvum, Rousettus aegyptiacus* et *R. angolensis*). Chez *E. helvum*, cette région contient une grande glande sébacée complexe mieux développée et plus active chez les mâles que chez les femelles. Chez *R. aegyptiacus*, cette même région contient des alvéoles d'une glande sébacée assez peu spécialisée, associées à des follicules pileux, qui est plus active chez les mâles que chez les femelles. Chez *R. angolensis*, la fourrure hérissée de la région cervicale est plus longue et plus raide chez le mâle que chez la femelle, mais la peau n'est glandulaire chez aucun des deux sexes.

Sur la base d'observations histologiques, la région cervicale de la peau chez *E. helvum* semble responsable de l'émission d'odeur alors que chez *R. aegyptiacus*, la même structure l'est à un degré moindre. Chez *R. angolensis*, bien que couverte par des poils plus longs et hérissés que chez les autres espèces, la région cervicale de peau ne contient presque pas de tissu glandulaire et fonctionne peut-être pour fournir des indications comportementales plus visuelles qu'olfactives.

Makanya, A. N. and J. N. Maina (1994). The morphology of the intestine of the insectivorous horseshoe bat *Rhinolophus hildebrandti*, Peters): a scanning electron and light microscopic study.

The gastrointestinal tract of the horseshoe bat, *Rhinolophus hildebrandti* (Peters), was studied macroscopically, with the light microscope and with the scanning electron microscope. Macroscopically, the stomach was of the simple type and the intestine was a short convoluted tube with an almost uniform diameter. A caecum, an appendix and a colon were absent, and the only portion of the large intestine observed was a short rectum which had a distinctly greater diameter than the rest of the intestine. The proximal part of the intestine showed a brief 'honeycomb' segment preceding the ridge-like transverse villi that occupied the rest of the foregut. In the region immediately proximal to the rectum the villi joined in a geometrical pattern to form chambers resembling 'reticular cells' of the ruminant stomach. The villi were covered with a prominent columnar epithelium occasionally interrupted by goblet cells. Generally, the intestine of *Rhinolophus* resembles that of the other bats which have been studied, but showed structural details suggestive of an increased surface area.

Le tractus intestinal du Rhinolophe, *Rhinolophus hildebrandti* (Peters) a été étudié au moyen d'un microscope simple et d'un microscope électronique. Macroscopiquement, l'estomac est de type simple, et l'intestin est un tube court enroulé d'un diamètre presque constant. Il n'y a ni caecum, ni appendice, ni colon, et la seule portion de gros intestin observée était un rectum court d'un diamètre nettement plus grand que le reste de l'intestin. La partie proximale de l'intestin présente un court segment en "nid d'abeille" qui précède le reste de l'intestin strié transversalement. Dans la partie qui précède directement le rectum, les villosités transversales rejoignent un schéma géométrique pour former des chambres semblables aux "cellules réticulaires" de l'estomac des ruminants. Les villosités étaient couvertes d'un épithélium en colonnes très visible, interrompu çà et là par des cellules en gobelet. Globalement, l'intestin du Rhinolophe ressemble à celui des autres chauves-souris qui ont déjà été étudiées mais présente des détails de structure qui suggèrent une augmentation de la surface.

Makin, D. (1989). Age groups in the fruit bat *Rousettus aegyptiacus.* Abstract. Eigth International Bat Research Conference, Sydney, Australia, 9 - 15 July 1989.

During the procedure of "capture-mark-recapture" research conducted in Israel on the local fruit bat *R. aegyptiacus* I from 1982 through 1989, 4725 bats were marked. The age of suckling and 'of growing bats was determined by the forearm length, the stage of physical development and the bats' weight. These bats constitute the known age groups. Adults were subjectively sorted into relative age groups according to the extent of abrasion of the canines. The age of recaptured adults which had been marked first as juveniles was evaluated by adding the interval period between the captures. The recapture of adult specimens first caught as adults provided data on the rate of canine abrasion. On

the basis of these recaptures each of the relative age groups was given a range of possible values in terms of absolute age. Among the oldest bats captured most were males, probably indicating that in nature females have a shorter life span. A comparison of the average forearm lengths of the different age groups showed that in both sexes older bats were significantly larger than younger adults indicating that there is a selective pressure favoring large size.

Makin, D. (1990). Annual weight cycle in the fruit bat *Rousettus aegyptiacus*. Abstract.

In the process of a capture-mark-recapture research conducted in Israel on the local fruit bat *R. aegyptiacus*, 6000 bats were marked, during the period of 1982-1990.

The adult specimens were subjectively sorted into relative age groups according to the abrasion of the canines.

The absolute age of the relative groups were estimated on the basis of the recaptures of known-aged specimens. The recapture of adult specimens provided information to the age determination by providing data on the rate of the abrasion of canines.

The relations between body weight, month of capture, time of capture, and age were investigated. The results show that body weight in adults has a circannual cycle, a daily cycle and is influenced by age.

Marandat, B. (1994). Premier catalogue des spécimens-types paléontologiques déposés dans les collections de l'Université de Montpellier II (Sciences et techniques du Languedoc).

Plus de 400 spécimens types paléontologiques déposés dans les collections de l'Université de Montpellier II sont inventoriés dans le présent catalogue qui comprend des charophytes, végétaux du Paléozoïque, brachiopodes, mollusques, arthropodes et des vertébrés (sélaciens, amphibiens, reptiles, oiseaux et mammifères). Les vertébrés ont été traités exhaustivement dans le catalogue et on peut donc considérer que ce dernier rassemble la quasi-totalité des spécimens types déposés à l'Université de Montpellier II.

More than 400 paleontological type-specimens housed in the Montpellier University collections have been inventoried in this catalogue which includes charophytes, Paleozoic plants, brachiopodes, molluscs, arthropodes and vertebrates (selachians, amphibians, reptiles, birds and mammals). The vertebrates have been treated exhaustively in the catalogue and one can consider that it includes most of the type specimens deposited in the Montpelier II collections.

Maree, S. and W. S. Grant (1996). Description of electrophoretic loci and tissue specific gene expression in the horseshoe bat genus *Rhinolophus* (Rhinolophidae).

The number of loci encoding an enzyme system, tissue specificity of gene expression and the degree of gene expression in various tissues are often not mentioned in evolutionary studies, but could indirectly provide evidence of evolutionary relationships. Protein electrophoresis was used to study the distributions and tissue specificity of gene expression of enzymes encoded by 42 loci in *Rhinolophus clivosus* and *R. landeri*, the genetically most divergent of the ten species of southern African horseshoe bats. No differences in gene expression were found between *R. clivosus* and *R. landeri* and isozyme patterns may be compared with other bat species to derive possible phylogenetic relationships.

Marshall, A. G. (1983). Bats, flowers and fruit: evolutionary relationships in the Old World.

Old World phytophagous bats (Megachiroptera: Pteropodidae) number 173 species of which 79 % are Asian and 21 % African. Bats arose, presumably monophyletically, in the early Tertiary, the Megachiroptera soon diverging from the Microchiroptera. By the Cretaceous-Tertiary boundary the major groups of modern angiosperms were present, some of these probably being pollinated nocturnally by large insects and non-flying mammals and others with seeds dispersed by terrestrial vertebrates. Early bats were perhaps initially attracted to such flowers and fruit by the insects found around them, later finding the plants themselves nutritious. Megabats today feed upon floral resources, fruit and leaves from a total of at least 183 plant genera in 64 families. They may effect both pollination and seed-dispersal, and both bat-flower and bat-fruit syndromes are commonly recognized. Individual species are generally catholic in their feeding, favoured food varying with locality and season. Depending upon roosting habits and season, megabats may travel considerable distances each night to feed and may undertake seasonal migrations. Their feeding in orchards may sometimes require their control, but the future of certain species is more seriously threatened by slaughter for food and particularly by habitat destruction.

Marshall, A. G. (1985). Old World phytophagous bats (Megachiroptera) and their food plants: a survey.

The Megachiroptera, with a single family, 43 genera and 174 species, are confined to the Old World tropics and subtropics where they are exclusively phytophagous, feeding upon floral resources (largely nectar and pollen but also petals and bracts), fruit, leaves and water. A literature survey revealed information on the food sources for only 21 genera of bats, these feeding upon 75 genera of flowers, 145 genera of fruit and 10 genera of leaves in a total of 34 orders, 66 families and 198 genera. The bats are likely to pollinate flowers of at least 31 genera and presumably may disperse the seeds of the majority of fruits consumed. Despite our ignorance about the relationship between Megachiroptera and plants, it appears that most bats are catholic in their choice of food, and most plants are visited by a diversity of bats.

Mathias, M. da Luz (1988). An annotated list of the mammals recorded from the Madeira islands.

Twenty five species of extant mammals are cited for the Madeira Islands, including 13 species of marine mammals. Vernacular names and the world distribution for each species are given together with biological and ecological comments.

These species include five bats (Chiroptera), two carnivores (Carnivora), two seals (Pinnipedia), ten toothed whales (Cetacea, Odontoceti), one baleen whale (Cetacea, Mysticeti), one even-toed ungulate (Artiodactyla), three rodents (Rodentia) and one lagomorph (Lagomorpha).

Neste trabalho são referidas, com anotações, as 25 espécies de mamíferos actuals que ocorrem no Arquipelaqo da Madeira, incluindo as 13 espécies de mamíferos marinhos. As areas de distribuìção e os nomes vernaculos das espécies vão indicados juntamente com alquns comentários sobre a biología e ecologia das mesmas.

Mathias, M. L., M. G. Ramalhinho, M. Santos-Reis, F. Petrucci-Fonseca, R. Libois, R. Fons, G. Ferraz de Carvalho, M. M. Oom and M. Collares-Pereira (1998). Mammals from the Azores islands (Portugal): an updated overview.

Nine species of mammals arc recorded for the Azores islands: one insectivore (*Erinaceus europaeus*), two bats (*Myotis myotis, Nyctalus azoreurn*), one lagomorph (*Oryctolagus cuniculus*), three rodents (*Rattus norvegicus, R. rattus. Mus musculus domesticus*) and two carnivores (*Mustela nivalis, M. furo*). Here, notes on the origin and known distribution are given for each species, together with taxonomical and ecological comments. Except for bats all the remaining species seem to have been introduced under the influence of man's exploratory and commercial activities.

Neuf espèces de mammifères sont citées de l' Archipel des Açores: un insectivore (*Erinaceus europaeus*), deux chiroptères (*Myotis myotis, Nyctalus azoreum*), un lagornorphe (*Oryctolagus cuniculus*), trois rongeurs (*Rattus norvegicus, R. rattus, Mus musculus domesticus*) et deux carnivores (*Mustela nivalis, M. furo*). Le present travail apporte des données sur l'origine et la distribution, ainsi que certains aspects de la taxonomie et l'ecologie de chaque espèce. Exception faite des chiroptères, routes les espèces semblent avoir été introduites, suite à des activités humaines (exploration et commerce).

Matschie, P. (1897). Zur Faunistik Deutsch-Ost-Afrikas. 5. Säugethiere.

Seit dem Erscheinen meines Buches: "Die Säugethiere Deutsch- Ost-Afrikas. Dietr. Reimer, Berlin, 1895." ist unsere Kenntniss der ostafrikanischen Säugethiere erheblich gefördert worden. Nicht nur die Zahl der für das Schutzgebiet bekannten Arten hat zugenommen, sondern auch über die geographische Verbreitung der einzelnen Species und über die Unterschiede der Säugethier-Fauna in den verschiedenen Gegenden unseres Gebiets ist etwas mehr Licht verbreitet worden. Allerdings sind wir noch weit entfernt von einem ein germaassen befriedigenden Ueberblick über die Vertheilung der Sängethierwelt in Deutsch-Ost-Afrika.

Ich habe in meiner grösseren Arbeit (p. X) die Ansicht ausgesprochen, dass in Deutsch-Ost-Afrika zwei Faunen-Gebiete zusammenstossen, ein südliches und ein nördliches, und habe als Grenze für das südliche Gebiet eine Linie angegeben, die vom Kilima-Ndjaro über Umbugwe und West-Nguru nach Mpapwa verläuft. Ich glaube jetzt auf Grund neuerer Sammlungen diese Linie ergänzen zn können.

Ziemlich sicher erscheint es, dass das gesammte Küstengebiet in der Zusammensetzung seiner Fauna einen einheitlichen Charakter aufweist. Natürlich werden im Urwalde andere Arten leben als in der Steppe, und die Ebene wird uns ein anderes Bild zeigen als das Gebirge; aber die Urwald-Fauna des deutschostafrikanischen Küstengebietes wird überall da, wo im Gebiet Urwald vorhanden ist, ungefähr gleichartig sein, und ebenso wird in den Steppen allüberall dort eine ganz bestimmte Zusammensetzung der Säugethier-Fauna obwalten. Als Hinterlandsgrenze dieses Gebietes sehe ich eine Linie an, welche die Flusssysteme des Rovuma, Rufiji, Kingani, Wami, Mligasi, Msangasi und Pangani umfasst. - Sehr verschieden von diesem Gebiet ist die Massai-Steppe in der Zusammensetzung ihrer Fauna. Als drittes Untergehiet ist das übrige Hinterland von der Wembaere-Steppe nach Westen anzusehen und als viertes Untergebiet erscheint das System des Kagera im Westen des Victoria-Nyansa und der äusserste Nordzipfel von Deutsch-Ost-Afrika nördlich vom Speke-Gold im Osten des Nyanusa. Dieses letzte Gebiet zeigt unverkennbar westafrikanische Einflusse, das Massai-Gebiet solche des Nordostens, die Küste solche des Südens und das Hinterland scheint eine Mischfauna zu besitzen, in der nördliche und südliche Einflüsse bemerkbar sind. Wahrscheinlich wird die Ost- und Nordküste des Nyassa und das Kondeland ein fünftes Untergebiet bilden, in welchem die reine Zambese-Fanna vorhanden sein dürfte.

Sehr eigeuthümlich zusammengesetzt ist die Fauna des Kilima-Ndjaro. Hier finden wir sehr viele Formen, welche in der Massai Nyika ihre Südgrenze haben. Wenn man berücksichtigt, dass auf dem Kilima-Ndjaro der zum Indischen Ocean fliessende Pangani entspringt, dass aber andererseits dort die Massai-Steppe beginnt, so werden wir uns nicht wundern, hier Faunen zweier verschiedener Untergebiete neben einander zu finden.

Matschie, P. (1899b). Die Fledermäuse des Berliner Museums für Naturkunde. 1. Lieferung. Die Megachiroptera des Berliner Museums für Naturkunde.

Professor Dr. Peters, 1857 - 1883 Direktor des Berliner Zoologischen Museums, hatte beabsichtigt, unter dem Namen: Museum: Zoologicum Berolinense. Chiroptera eine Monographie der Fledermäuse herauszugeben. Während der Jahre 1865 - 1883 sind für diesen Zweck 75 lithographirtr Tafeln durch die bekannten, inzwischen verstorbenen Thiermaler Franz Wagner und Gustav Mützel hergestellt worden. Im Frühjahr 1883 starb Peters und in seinem Nachlasse fand sich keinerlei Manuskript über Fledermäuse. Die Verlagsbuchhandlung von Georg Reimer, welcher die Tafeln gehören, bemühte

sich Jahre lang vergeblich, einen Herausgeher für die werthvollen Abbildungen zu finden. Erst jetzt, 34 Jahre nach der Herstellung der ersten Tafel, erscheint der erste Theil des Werkes.

Die Verlagsbuchhandlung hat in ausserordentlich weitgehender Weise dafür gesorgt, dass die vorliegenden Tafeln soweit ergänzt werden konnten, wie der heutige Stand unserer Kenntniss der Fledermäuse es verlangt. Nicht weniger als 15 neue Tafeln sollen zu den schon vorhandenen 75 treten; 11 von ihnen wurden gezeichnet und lithographirt durch meine Frau Anna, geb. Held, und dürfen sich gleichwerthig den von Wagner und Mützel gearbeiteten an die Seite stellen. Der Tod hat meine Frau verhindert, ihr Werk zu vollenden.

Bei der Aufgabe, einen Text zu diesen Tafeln zu schreiben, habe ich darauf verzichten müssen, eine Monographie der Fledermäuse zu schaffen, weil das im Berliner Museum für Naturkunde aufbewahrte Material nicht ausreicht für die Bearbeitung dieser nicht leichten Aufgabe, und ein längerer Aufenthalt in Paris, London und Leyden zum Studium der dortigen Sammlungen mir nicht möglich war.

Ich habe mich deshalb damit begnügt, nach zoogeographischen Gesichtspunkten die Arten, welche mir vorlagen, in Gruppen zusammenzustellen, die von mir nicht untersuchten Arten nach Möglichkeit neben die am nächsten verwandten Formen einzureihen, in Bestimmungstabellen die Unterschiede anzugeben, welche ein Erkennen der einzelnen Arten erleichtern, und die im Berliner Museum vorhandenen Exemplare aufzuzählen.

Besonderen Werth habe ich auf eine genaue Feststellung der Fundorte gelegt.

Die Litteratur wurde im allgemeinen nur insoweit genannt, als sie nicht in Trouessart's und Dobson's Werken zu finden ist.

Durch die Liebenswürdigkeit des Herrn Geheimen Hofraths Dr. A. B. Meyer, Direktor des Zoologischen Museums in Dresden, ist es mir vergönnt gewesen, einen Theil des Dresdener Materials an Flughunden hier in Berlin untersuchen zu dürfen.

Mit seiner Bewilligung habe ich diese Exemplare in meiner Arbeit aufgeführt.

Ich sage hier Herrn Geh. Hofrath Dr. A. B. Meyer meinen herzlichsten Dank. Auch Herrn Dr . Jentink , Direktor des Leydener Museums, haue ich für eine freundliche Auskunft auf eine Fruge zu danken, vor allem aber meinem verehrten Herrn Chef, Geh. Regierungsrath Professor Dr. K. Möbius, welcher mich in weitgehender Weise unterstützte.

Den ersten Theil meiner "Fledermäuse des Berliner Museums für Naturkunde" lege ich hiermit vor. Er umfasst die *Megachiroptera*. In 4 Lieferungen soll der gesammte Stoff bewältigt werden. Eine allgemeine Einleitung in die Fledermauskunde werde ich der Ietzten Lieferung beigeben.

Matthews, L. H. (1937). The form of the penis in the British rhinolophid bats compared with that in some of the vespertilionid bats.

1. Although the penis of the Chiroptera is generally described as pendulous, it is directed cranially in *Rhinolophus ferrum-equinum insulanus* and *R. hipposideros minutus*.

2. In five species of British Vespertilionid bats the penis varies from the cranially directed type to the completely pendulous type.

3. The glans penis in the Rhinolophidse is large and complicated in architecture, but in the Vespertilionids it is very small and comparatively simple.

4. The form and structure of the glans penis and prepuce in *R. ferrum-equinum insulanus* and *R. hipposideros minutus* are briefly described and compared with those of five species of British Vespertilionid bats.

5. The biological correlations and taxonomic importance of the differences in the form and structure of the glans penis in the Rhinolophidae and the Vespertilionidae are indicated.

Matthews, L. H. (1941). Notes on the genitalia and reproduction of some African bats.

1. The anatomy and histo-physiology of the genitalia of nine species of African bats are described. The species are *Cœlura afra* Peters, *Taphozous* sp. indet. (Fam. Emballonuridæ); *Nycteris luteola* Thos. and *N. hispida* Schreb. (Fam. Nycteridæ); *Cardioderma cor* Peters (Fam. Megadermidæ); *Hipposideros caffer* Sund. and *Trænops afer* Peters. (Fam. Hipposideridæ); *Miniopterus minor* Peters and *M. dasythrix* Temm. (Fam. Vespertilionidæ).

2. The glans penis is large and complicated in structure in *C. cor* and *T. afer*, smaller in *N. luteola, N. hispida* and *H. caffer*, and minute in *Taphozous, M. minor* and *M. dasythrix*. The prepuce is thin and retractile in the first five; thick and glandular in the last three.

3. An os penis of complicated architecture is .present in *N. luteola, C. cor* and *T. afer*. It is of simple form, in *N. hispida, Taphozous* and *H. caffer*. It is comparatively large in the first four species and extends into the penis proximal to the glans. In the last two it is minute and confined to the glans. There is no os penis in *M. minor* and *M. dasythrix*.

4. Accessory erectile bodies, in addition to the corpora cavernosa and corpus spongiosum, are present in all species. They are "particularly conspicuous in *N. luteola* and *C. cor*. The corpora cavernosa are fused for the whole or part of their length in all species ; in some they are separated by a septum of tunica albuginea, in others they are completely fused.

5. The scrotum is post-anal, the testes are oval and the epididymides have long tails in *M. minor* and *M. dasythrix*. The testes and epididymides are similar but lie beneath the integument of the base of the penis in immature specimens of *Taphozous*. The scrotum is pre-arial, the testes are subglobular and the. epididymides do not have greatly elongated tails in *N. luteola* and *C. cor*. The testes and epididymides are similar in form in *N. hispida* and *H. caffer*, but in *T. afer*, though the testes are subglobular, the tails of the epididymides are long. In the first species they lie in the inguinal canals at the sides of the base of the penis; in the last two cranial to the base of the penis. In all three free spermatozoa are present in the genital tract. It is possible that the testes have been withdrawn from pre-anal scrotal pouches, though no structural evidence for this was found.

6. Vesiculæ seminales are present in *T. afer* and *Taphozous*. They are large glandular bodies, whose ducts open into the urethra near the openings of the vasa efferentia in *T. afer*, and unite with the vasa efferentia near their openings in *Taphozous*. Vesiculæ seminales are absent in the other species.

7. The ampullæ of Henle are represented by a slight convolution of the vas deferens in *T. afer* and by small glandular swellings in *Taphozous*. In all the other species they are large glandular swellings of the ends of the vasa deferentia and are comparable in structure with the vesiculæ seminales in the two species where those bodies occur. In *H. caffer* they are divided into two unequal lobes.

8. The prostate is a large glandular mass below the neck of the bladder. It surrounds the urethra, having large anterior and posterior lobes, in all species except *N. luteola* and *N. hispida*. In the latter two species it is confined to the posterior surface of the urethra. In several species the ampullæ of Henle are partly embedded in the prostate.

9. The urethral gland is large in *C. cor* and *H. caffer*, small in *T. afer, M. minor* and *M. dasythrix*. It is absent in *Taphozous, N. luteola* and *N. hispida*.

10. A utriculus prostaticus is present in *Taphozous, N. luteola. H. caffer* and *C. cor*. It is comparatively large in *Taphozous* and ends in a number of diverticula; it is small and simple in the other three. No sign of a utriculus prostaticus was found in *N. hispida, T. afer, M. minor* or *M. dasythrix*.

11. Cowper's glands are comparatively large in all species.

12. The vulvar opening is transverse in all species. The clitorideal pad is large in *C. cor* and *T. afer*, less developed in *C. afra, N. luteola* and *N. hispida*, and small in *Taphozous, M. minor* and *M. dasythrix*.

13. Pubic teats, unconnected with a mammary gland, are present in *C. cor* and *T. afer*. In both species they contain canals which are identical in histological appearance with true milk-ducts. The canals end blindly at the base of the teats. No pubic teats occur in the other species. Rudimentary pubic teats are present in the males of *C. cor*.

14. The uterine cornua are approximately equal in size in *C. afra*. One cornu is slightly larger, on the right side in *Taphozous* and *N. hispida*, and on the right or left side in *N. luteola* and *T. afer*. It is considerably larger on the right side in *M. minor* and *M. dasythrix*. A pregnancy was present, or had occurred, on the right side in *C. afra* (one specimen), *N. hispidia* (three),*M. minor* (thirteen), and *M. dasythrix* (six). In *N. luteola* occurrences were right side, six; left side, seven. In *T. afer* and *C. cor* the pregnancy fills the cornua of both sides, together with the body of the uterus which are thrown into one large cavity. Assuming that the pregnancy started on the side to which the placenta is attached, it started in the left side in two specimens of *T. afer* and once each on the left and right in *C. cor*.

15. There is no internal uterine body in *N. luteola* and *N. hispida*, where each cornu communicates with its own cervical canal which opens separately into the vagina. There is a completely divided septate uterine body communicating with a- single cervical canal in *Taphozous*. The undivided uterine body is very short in *T. afer, M. minor* and *M. dasyihrix*, and short and wide in *C. afra*.

16. The epithelium of the vagina, is thrown into high longitudinal ridges in *N. luleola, N. hispida, C. cor* and *T. afer*, and into comparatively low ones in the other species. The epithelium becomes strongly cornified at oestrus. In one pregnant specimen of *C. afra* the urinogenital canal was strongly constricted and its lumen nearly occluded by cornified epithelium.

17. The urethra is asymmetrical, being displaced to the right of the vagina, in the females of *C. afra, N. luteola* and *T. afer*. In all the other species it is symmetrical.

18. A "female prostate" is well developed in *C. afra, Taphozous, N. luteola* and *C. cor*, less conspicous in *M. minor*, and absent in *N. hispida, T. afer* and *M. dasythrix*.

19. One corpus luteum was present in each ovary of two pregnant *C. cor* which were near full term. One was present in the ovary of the side of pregnancy in a *C. afra* containing an early pregnancy. One was present in .the ovary of the opposite side from the pregnancy in six *M. dasythrix* containing unattached blastocysts in the enlarged right cornu. No corpora lutea were present in either ovary of pregnant' examples of *N. luteola* (nine) or *T. afer* (two).

20. A post partum œstrus occurs in *N. luteola*. All the nine pregnant specimens were.also in full lactation.

21. In the localities of provenance birth occurs approximately at the following times: - in early December, *N. hispida* and *M. minor*; in early January, *C. cor* and *T. afer*; late in January, *C. afra*; in November and again late in January, *N. luteola*, where one pregnancy immediately follows another.

22. In all species the mammary gland fills the axilla and extends well on to the back over m. serratus magnus. The nipples are thoracic in position and lie towards the median border of the gland.

Mayoux, A., E.-R. Brygoo and J.-R. Simond (1971). Bilan d'une année d'étude de *Pteropus rufus* à Madagascar son rôle comme réservoir de virus d'entérobactéries.

Le rôle de réservoir de virus pour les entérobactéries pathogènes pour l'homme, de la roussette de la côte est de Madagascar est maintenant bien démontré avec l'isolement de 45 souches de *Salmonella typhi*, d'une souche *S. typhimurium* et d'une *Salmonella* nouvelle en même temps que de 16 souches de *Shigella flexneri* et de 5 souches d'*Escherichia coli* pathogènes. Ces souches ont été obtenues par l'examen de 438 animaux. Le bacille d'Eberth appartient au lysotype E_{Ia}, le plus fréquemment rencontré en pathologie humaine.

Les rapports de la chauve-souris et de *S. typhi* doivent encore être précisés. La salmonelle se comporte comme un germe de sortie, n'apparaissant le plus souvent, dans le sang, et surtout dans les selles, que chez des animaux soumis à des agressions.

McBee, K., J. W. Bickham, S. Yehbutra, J. Nabhitabhata and D. A. Schlitter (1986). Standard karyology of nine species of Vespertilionid Bats (Chiroptera: Vespertilionidae) from Thailand.

Karyotypes of nine species of vespertilionid bats from Thailand are described. *Pipistrellus mimus* (2n = 34, FN = 46), *Tylonycteris robustula* (2n = 32, FN = 50), *Murina leucogaster* (2n = 44, FN = 50), and *Miniopterus schreibersi* (2n = 46, FN = 52) have karyotypes essentially identical to ones previously reported from other regions. *Pipistrellus pulveratus* (2n = 32, FN = 50) is reported for the first time and differs by six Robertsonian fission/fusion events from the primitive *Myotis*-like karyotype. Karyotypes for *Hesperoptenus tickelli* (2n = 32, FN = 50) and *H. blanfordi* (2n = 34, FN = 60) are reported for the first time and parallel the extreme morphological differences between the two species. *Harpiocephalus mordax* (2n = 40, FN = 62) is very distinct from other members of the subfamily Murininae but is apparently derived from a *Murina*-like ancestor. *Kerivoula papillosa* (2n = 38, FN = 52) though considered little differentiated from primitive vespertilionines has a relatively highly derived karyotype similar to *Vespertilio*.

McBee, K., D. A. Schlitter and R. L. Robbins (1987). Systematics of African bats of the genus *Eptesicus* (Mammalia: Vespertilionidae). 2. Karyotypes of African species and their generic relationships.

Bats of the genus *Eptesicus* are characterized by extreme consistency in karyotypes. All species of *Eptesicus* for which karyotypes have been reported have 2n = 50, FN = 48 (Baker and Patton, 1967; Williams, 1978; Bickham, 1979a) except the African *E. capensis*, which has 2n = 32, FN = 50 (Peterson and Nagorsen, 1975). We report standard karyotypes for four more species of African *Eptesicus*, none of which possess the 2n = 50 karyotype considered typical of the genus. *Eptesicus rendalli* (2n = 38), *E. brunneus* (2n = 36), *E. tenuipinnis* (2n = 34), and *E. somalicus* (2n = 26) all apparently have experienced numerous Robertsonian events and do not mirror the karyotypic conservatism of their New World and Palearctic relatives. These data are discussed as they apply to the currently recognized systematics of the genus *Eptesicus* and the proposed primitive karyotype of the family Vespertilionidae.

McDonald, J. T., I. L. Rautenbach and J. A. J. Nel (1990a). Foraging ecology of bats observed at De Hoop Provincial Nature Reserve, southern Cape Province.

Prey preferences, foraging strategies, foraging zones, activity regimes and habitat selections of the five species of insectivorous bats at the Guano Cave on the De Hoop Provincial Nature Reserve, were investigated. It is evident that the cave is used on a seasonal basis by the different species. A measure of temporal and spatial separation of resources between species could be demonstrated, particularly of airspace and prey, and this differentiation correlates with differences in specific wing morphology and echolocation attributes. It would appear that bats do not feed extensively over nearby wheat fields, and available evidence suggests that the potentially deleterious effect of insecticide poisoning does not presently seem to be a major threat to the bat populations.

Prooivoorkeure, jagstrategiee, jagsones, aktiwiteitsritmes en habitatvoorkeure van die vyf insekvretende vlermuisspesies in die gwanogrot gelee in die De Hoop Provinsiale Natuurreservaat, is ondersoek. Dit is duidelik dat die grot seisoenaal deur die onderskeie spesies benut word. 'n Mate van ruimtelike en temporele skeiding van bronne tussen spesies is demonstreerbaar, veral van die lugruim en van prooi, en hierdie differensiasie korreleer met verskille in vlerkmorfologie en egolokasie-kenmerke tussen spesies. Dit blyk dat vlermuise nie ekstensief oor nabygelee graanlande jagmaak

nie, en beskikbare gegewens dui daarop dat die vermeende nadelige gevolge van insekdoder-vergiftiging dus nie huidig 'n bedreiging vir die vlermuisbevolkings inhou nie.

McDonald, J. T., I. L. Rautenbach and J. A. J. Nel (1990b). Roosting requirements and behaviour of five bat species at De Hoop Guano Cave, southern Cape Province of South Africa.

The roosting requirements and behaviour of five obligatory cave-dwelling bats occurring in the De Hoop Guano Cave, is reported. A measure of interspecific temporal and spatial partitioning of this resource is demonstrable. The cave is characterized by structural and thermal complexity, and was found to be an important breeding site for two species during summer, whereas it served as winter residence for the other three. *M. schreibersii* was by far the most abundant species, and predominated in the warmest sections of the cave, where it further modified temperatures towards optimal levels.

Die skuilplek-behoeftes en -gewoontes van vyf grotvlermuise wat in die De Hoop Gwanogrot voorkom, word gerapporteer. Ons bevindinge dui op 'n mate van interspesifiese ruimtelike en temporale be nutting van hierdie bron. Die grot word gekenmerk deur strukturele en termo-kompleksiteit, en is daarom 'n belangrike aanteelplek vir twee spesies gedurende die somer, terwyl dit dien as oorwinterings-verblyfplek vir die ander drie. *M. schreibersii* was verreweg die getalsterkste spesies, en het hoofsaaklik in die warmste dele van die grot gekonsentreer, waar hul ook temperature aangepas het na optimale vlakke.

McFarland, D. C. (1998). Forest vertebrate fauna study for a comprehensive regional assessment in south-east Queensland. Stage IA: Data audit and gap assessment.

This report has been prepared for the joint Commonwealth/State Steering Committee which oversees the Comprehensive Regional Assessment (CRA) of forests in the South East Queensland CRA region.

The Comprehensive Regional Assessment provides the scientific basis on which the State and Commonwealth governments will sign a Regional Forest Agreement (RFA) for the forests of the South East Queensland CRA region. This agreement will determine the future of the region's forests, providing a balance between conservation and ecologically sustainable use of forest resources.

This report was undertaken to a) collate existing fauna information concerning the distribution (and where possible habitat use, abundance and breeding activity) of freshwater and terrestrial vertebrates and selected invertebrates for the South-east Queensland Comprehensive Regional Assessment region, and b) identify significant gaps in the dataset.

A total of 306,269 records was collected for 586 native and 44 feral forest using taxa known from the region. The number of records per species ranged from 1 to 7,496.

Across the entire region, major taxonomic gaps are apparent for threatened insects, freshwater fish, reptiles and bats. At a finer spatial scale, data are limited for most animal groups in conservation (National Park) and forestry (State Forest/Timber Reserve) areas in those environmental provinces outside the south-east corner (Provinces 5, 6, 7, 8, 10 and 16). The deficiencies in most provinces are real and not simply a reflection of the spatial extent of various tenures and habitat types. On the environmental scale, there are fauna in particular vegetation types which would benefit from a greater spatial coverage (distribution of species in the extensive dry forests of Spotted Gum and ironbark). In addition several rainforest, wet sclerophyll forest and non-eucalypt dominated types, despite relatively intense work, may still yield new fauna species with more survey effort.

The audit of the historical data reinforces the need for an extensive systematic survey of terrestrial vertebrates in the region to address deficiencies and provide more recent information on the abundance and distribution of forest-dwelling species.

McLellan, L. J. (1986). Notes on bats of Sudan.

Based upon recent collections ofbats from Bahr-el-Ghazal and Equatoria provinces in southern Sudan, *Epomophorus minor* is added to the list of species known from that country, and the geographic ranges of *Micropteropus pusillus, Eptesicus capensis, Eptesicus somalicus*, and *Chaerephon major* are extended within Sudan. Examples of species poorly represented in museum collections were also collected, including *Nycteris thebaica, Chalinolobus variegates*, and *Scotoecus hirundo*. Ecological notes were recorded; embryos and parasites were collected and preserved. Seventy-one species of bats are now known to occur in Sudan.

McWilliam, A. N. (1987a). Territorial and pair behaviour of the African false vampire bat, *Cardioderma cor* (Chiroptera: Megadermatidae), in coastal Kenya.

Cardioderma hangs from habitual perches to wait for mainly terrestrial prey. Their broad wings provide the lift at low speeds necessary to capture such prey from the ground. Male-female pairs were found in the long dry season, a period when reduced insect availability led to lower body weights and males used song to delineate their feeding territories. Males moved between perches more frequently during the first half-hour of nightly singing. An enlargement of foraging area was associated with earlier singing, as well as an increase in song rate, movement between perches and pair contact-vocalizations. Females are larger than males and the sex ratio favoured the latter. There was evidence of long-term territories and breeding throughout the year. These results are discussed in relation to pair-bonding and environmental seasonality

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McWilliam, A. N. (1988a). Social organisation of the bat *Tadarida (Chaerephon) pumila* (Chiroptera: Molossidae) in Ghana, West Africa.

The social organisation of the polyoestrous bat, *Tadarida pumila*, was studied in northern Ghana (W. Africa). Although this small (8.5 g) free-tailed bat is not sexually dimorphic in size, adult males develop an odorous inter-aural crest of long hairs. A social system based on female defense polygyny was found which, however, also involved elements of resource defense. Harems, each generally established in the roof space of separate dwelling houses with restricted access, consisted of an adult male and up to 21 females, with their young, and the larger harems were held by heavier males. Harem composition was stable and both harem males and females showed high site fidelity over the study span of 16 months. Some female young were recruited to their natal harems, at a sufficient rate to replace the annual loss of harem females. However, most young, which were born in three successive cohorts during the rainy season, apparently dispersed over the dry season, following early sexual maturation. The potential causes and benefits of female associations are discussed.

McWilliam, A. N. (1988b). The reproductive cycle of male tomb bats, *Taphozous hildegardeae* (Chiroptera: Emballonuridae), in a seasonal environment of the African tropics.

Two cave populations of Hildegarde's tomb bat had a reproductive cycle that corresponded closely to the rainfall-induced seasonality of coastal Kenya (4s). Males had pronounced bimodal cycles of body weight due to the deposition of fat during periods of relative food abundance in both rainy seasons, and fat depletion during competitive mating and the dry seasons, when numbers of moths were lowest. The main period of sexual regeneration coincided with the increase in body weight experienced during the 'long rains' [April-June) and led to mating. A secondary peak in the weights of male sexual glands, associated with the increase in body weight that occurred in the 'short rains' (October-December), did not result in reproduction. It is suggested that this latter period of sexual activity was related to the maintenance of year-round harems, and may represent the male response to a vestigial, bimodally polyoestrous, reproductive cycle.

Meester, J. A. J. (1962). Some mammals from the Namib Desert.

The following is an account of the mammal specimens collected on the Bernard Carp expedition to the Namib desert during May 1959. It is a pleasure to acknowledge the generous sponsorship of Mr Bernard Carp, of Cape Town, which made this expedition possible. Sincere thanks are also due to the following: Dr C. K. Brain, of Salisbury, for collecting some of the specimens, and kindly placing at my disposal his habitat notes on these specimens; the late Dr W. Heesch, of Okahandja, for material collected by him in the course of the expedition, as well as some specimens from his private collection; Mr O. P. M. Prozesky, of Pretoria, for also assisting in collecting, and for supplying useful information regarding collecting localities; and the Transvaal Museum skinner, Samson Maseko, for his part in collecting, preparing and caring for the collections.

Meester, J. (A. J.) (1965). The origins of the southern African mammal fauna.

Southern Africa can be geographically subdivided into different biotic zones, differing from each other climatically and vegetationally, and also in respect of the animal species occurring in them. The purpose of the present paper is to consider the nature of the mammal faunas associated with these biotic zones, and to speculate about their origins.

Mein, P. and Y. Tupinier (1977). Formule dentaire et position systématique du Minioptère (Mammalia, Chiroptera).

La présence constante d'une prémolaire vestigiale antérieure au maxillaire supérieur des *Miniopterus* amène les auteurs à discuter des affinités de cette forme et à proposer pour elle la création d'une nouvelle famille (Miniopteridae).

Miniopterus is shown to possess a supplementary vestigial tooth between upper canine and the first premolar. The authors think this form does not belong to the Vespertilionidae and suggest to create a new family called Miniopteridae and include this genus into it.

Meirte, D. (1981). New data on *Casinycteris argynnis* Thomas, 1910 (Megachiroptera - Pteropodidae). Abstract.

The cranial and external measurements of the thirteen specimens of *Casinycteris argynnis* in the possession of the Koninklijk Museum voor Midden-Afrika, Tervuren (Belgium), are presented.

A comparison with published data on three other records is made, remeasurements of the type in the British Museum (Natural History) are included.

Females are clearly larger than males: forearm-length is highly discriminative: adult males 50.4 - 54.2 mm, adult females 56.1 - 61.6 mm. One juvenile specimen with the wing dimensions of an adult male is concluded to be a female.

Color and color patterns are very homogeneous throughout the series. The variation in palatal ridges is described.

Principal component analysis could not detect significant allometrical relations, the width of the skull is clearly a size independent variate. There is a slight indication that the western (Cameroon) specimens are more heavily built than the eastern ones.

This poor known forest species is so far only found in the central African forest bloc and is thought to be locally quite abundant.

Meirte, D. (1983). New data on *Casinycteris argyinnis* Thomas 1910 (Megachiroptera, Pteropidae).

The external morphology and the external and cranial morphometries of the *Casinycteris argynnis* specimens in the possession of the Koninklijk Museum voor Midden-Afrika, Tervuren, Belgium, were studied. Of thirteen specimens eleven are new records which add seven new localities for this poor-known species. Variation in color, teeth and palatal ridges was studied. Morphometrical data reveal significant sexual dimorpbism; especially in forearm length females are larger than males. Apparently also decrease in size from west to east is present. The species remains restricted to the central forest block in Africa.

Menu, H. (1984). Révision du statut de *Pipistrellus subflavus* (F. Cuvier, 1832). Proposition d'un taxon generique nouveau: *Perimyotis* nov. gen.

L'examen de la denture de *P. subflavus*, effectué dans le cadre d'une étude cornparative des rangées dentaires des Vespertilioninés, permet de mettre en évidence des structures qui justifient le retrait de cette espèce du genre *Pipistrellus*. En outre, certains caractères odontologiques s'avèrent être communs à *subflavus* et aux Myotini: ils témoignent d'une ascendance commune. Concurremment, quelques points de la morphologie dentaire sont particuliers; ils résultent d'une évolution indépendante et différenciatrice. Par ailleurs, des arguments ostéologiques ont été recherchés; ils apparaissent, par exemple, aux niveaux de l'articulation distale de l'humérus et de l'os pénien. Ces considérations justifient la création d'un taxon générique nouveau (*Perimyotis* nov. gen.), concrétisant l'appartenance de *subflavus* à la tribu des Myotini.

Within a comparative study of the tooth rows of vespertilionine bats, the *subflavus* species let appear structures which justify the removal of this species from the genus *Pipistrellus*. Moreover sorne features shared by *subflavus* and the Myotini tribe give evidence of a common ancestry of both. Concurrently, a few peculiar characters of the *subflavus* dental rnorphologv appear the result of subsequent differential evolution.

Skeletal features have also been investigated. Sorne arguments can be obtained from the elbow articulation of the humerus and from the penian bone.

These facts justify the erection of a generic taxon, *Perimyotis* nov. gen., making allowance for the relationships between it and the Myotini group.

Menu, H. (1985). Morphotypes dentaires actuels et fossiles des chiropteres vespertilionines. I Partie: Etude des morphologies dentaires.

Les classifications des vespertilioninés actuels étaient bâties sans qu'il soit tenu compte de la morphologie dentaire, ce qui restreignait les possibilités de comparaisons avec les fossiles connus. L'utilisation des formules dentaires était abusive: cette pratique a notablement contribué à l'admission de genres artificiels. Ces conditions ont retardé la valorisation de caractères susceptibles de structurer les bases d'une phylogénie de la sous-famille.

Dans la première partie du travail, les morphologies dentaires sont décrites et analysées. Des types morphologiques de référence sont établis pour chaque dent des rangées supérieure et inférieure; ils sont destinés à faciliter l'élaboration de critères de différenciation. Les réponses des espèces à ces critères permettent de les regrouper en genres homogènes, et d'appréhender le degré de parenté que ces derniers ont entre eux.

La seconde partie du travail (à paraître) commentera les implications systématiques des observations et proposera les bases d'une approche phylogénique.

The classifications of the recent vespertilionine bats were made without taking in account the teeth morphology; this resulted in a reduction of the possibilities of comparison with the available fossils. The generalized use of dental formulae was abusive: this contributed to the admission of artificial genera. These conditions have long delayed the consideration of characters able to frame the phylogeny of the sub-family.

In the first part of the study, the teeth morphologies are described and analysed. Morphological reference types are established for cach upper and lower tooth: they should make an easier elaboration of criteria for the ditterenciation at generic level. The position of the species in view of these criteria allows one to group them in to homogeneous genera, and to appreciate the degree of relationship that the latter have between them.

The second part of the study (next publication) will develop inferences dealing with systematics and phylogeny.

Menu, H. (1987). Morphotypes dentaires actuels et fossiles des chiroptères vespertilioninés. 2eme partie: Implications systematiques et phylogeniques.

La première partie de cette étude était consacrée à la description et à l'analyse des morphologies dentaires des vespertilioninés; elle conduit à une tentative synthétique de reconsidération des affinités et de la systématique.

Les résultats s'ordonnent par rapport à trois objectifs distincts mais intimement liés: 1 - l'apurement des contenus génériques pour tendre à faire des genres des taxons homogènes susceptibles de représenter les aboutissants de lignées évolutives; 2 - la recherche du degré de parenté entre les genres actuels afin d'en déduire les possibilités d'origines communes; 3 - en fonction des éléments précités, mais aussi des tendances évolutives constatées, l'élaboration d'une hypothèse phylogénique modeste et prudente.

De nombreux contenus génériques ont été apurés: le sous-genre *Leuconoe* prend rang de genre, et *Myotis* devient sous-genre du premier; les espèces myotodontes sont retirées du genre *Pipistrellus; Glischropus* et *Scotozous* tombent en synonymie de *Pipistrellus; Hypsugo* est élevé au niveau générique; des espèces provenant du genre *Pipistrellus*, constituant un ensemble hétérogène, sont provisoirement rassemblées en un Groupe Collectif: *Attalepharca* nov.; le genre *Eptesicus* est démembré, les espèces exclues constituent le genre *Nycterikaupius* gen. nov.; la tribu des Nycticeini est redéfinie après le retrait des genres *Otonycteris, Scotoecus, Scotophilus* et l'adjonction du genre *Hesperoptenus; la io* et *Pipistrellus tasmaniensis* sont mutées dans le genre *Eptesicus* (n. s.); *Pipistrellus dormeri* est rattaché au genre *Scotoecus*.

La considération des divers modes évolutifs de I1/, principalement, soutient la notion de regroupements de genres en des ensembles dont la valeur est souvent corroborée par la proximité morphologique d'autres dents. Cette tentative est à la base de la distinction des radiations majeures survenues dans l'histoire du groupe.

La schématisation proposée à la fin de ce travail met en évidence la parenté odontologique qui existe entre les genres actuels, et représente l'infrastructure d'une phylogénie présumable. Deux points prépondérants sont à souligner : l'isolement précoce du rameau leuconoïde, les accessions successives à la myotodontie par les formes issues du courant nyctaloïde. Les éléments paléontologiques connus d'après la littérature sont intégrés ponctuellement dans cette trame évolutive, à titre hypothétique.

The first part of this study was devoted to a descriptive analysis of teeth morphologies among the vespertilionine bats. This leads now to a tentative synthesis, providing views on the systematics of the

group. The results could be seen according to three distinct but closely related purposes: 1 - the sorting of the genera contents in order to conform the genera units to homogeneous taxa that could represent natural issues of evolutionary lineages; 2 - the investigation of relationships between extant genera in order to infer the possibilities of common origin; 3 - according to the preceeding items and to the observed evolutionary trends, a tentative phylogeny, modest and cautious.

The contents of many genera are sorted: *Leuconoe* is removed from subgeneric to generic position, whereas *Myotis* becomes a subgenus of it; the myotodont species are cleared away from the *Pipistrellus* genus; *Glischropus* and *Scotozous* are synonymized within *Pipistrellus ; Hypsugo* is raised to the generic level; some species previously ranged within *Pipistrellus* will form provisionally a collective group, *Attalepharca* nov.; the *Eptesicus* genus is broken up, the excluded species being grouped within *Nycterikaupius* gen. nov.; the Nycticeini tribe is defined again after exclusion of *Otonycteris, Scotoecus, Scotophilus*, and addition of *Hesperoptenus*; the species *la io* and *Pipistrellus tasmaniensis* are removed to *Eptesicus* (n.s.) and *Pipistrellus dormeri* to *Scotoecus*.

Groupings of genera are stated according to the main evolutionary trends of I1/. The relevance of these is often warranted by close morphologic similarities of other teeth. This leads to a recognition of the major evolutionary radiations which occurred in the group.

The filiations schematized at the end of the work show the dental relationships observed between the extant gênera, and could represent a phylogenic framework. Two major facts are to be underlined: 1 - the early divergence of leuconoids; 2 - the successives crossings to myotodonty from the nyctaloid flow.

Fossil data from the literature are punctually and tentatively incorporated within phylogenic sketches.

Menzies, J. I. (1973). A study of Leaf-nosed Bats (*Hipposideros caffer* and *Rhinolophus landeri*) in a cave in northern Nigeria.

Two species of leaf-nosed bats were netted as they emerged from their roosting cave at dusk. Collecting was repeated four times in 1966 and twice in 1967. Color of pelage, age, and reproductive condition of the bats were noted. From these data I conclude that the bats copulate late in the year, undergo a brief period of delayed implantation, give birth about April, and molt between May and July. The natural hair color of the adult is gray but quickly changes to reddish gold. Association between the breeding cycle and climate of the region is suggested.

Mertens, R. (1925). Verzeichnis der Säugetier-Typen des Seckenbergischen Museums.

Im vorliegenden Verzeichnis sind 136 Typen von Säugetiereh angeführt, die sich im Besitze des Senckenbergischen Museums in Frankfurt a. M. befinden. Für viele Formen, deren Originalbeschreibung auf Grund von 2 oder mehr Exemplaren erfolgt ist, von denen aber vom Autor kein bestirnmtes Stück als Typus bezeichnet wurde, habe ich stets eine nachträgliche Typen-Fixierung vorgenommen ("Lektotypus").

Mit Ausnahme des Typus von *Meriones melanurus* RÜPPELL (Mus. Senck. III, S. 95, Taf. VII. Fig 3; 1845), der im Britischen Museum ist (vgl. THOMAS, Ann. Mag. Nat. Hist. 9. III. S, 264; 1919), befinden sich alle Typen aus den wertvollen Sammlungen RÜPPELL's im Senckenbergischen Museurn. Bei der Durcharbeitung der Fledermaus-Sammlung des Landesgeologen Dr. C. KOCH, die nach seinem Tode in den Besitz des Senckenbergischen Museurns übergegangen ist, habe ich zu folgenden 4 Formen keine Belegstücke gefunden, die als Lektotypen betrachtet•werden könnten: *Rhinolophus ferrum-eauinun* var. *italicus* KOCH (Jahrb. Ver. Naturk. Herzogth. Nassau XVIII, S, 523; 1863), *Rhinolophus hipposideros* var. *alpinus* KOCH (a. a. O. S, 530), *Rhinolophus hipposideros* var. *pallidus* KOCH (a. a. O. S. 531) und *Cateorus serotinus* var *pallidus* KOCH (a. a. O. S, 467). Auch der Typus von *Herpestes ornatus rufescens* LORENZ-LIBURNAU (Abh. Senck. Nat. Ges. XXI, S. 462; 1898) ist nicht in unserem Museum.

Zu den Literatur-Zitaten ist zu bemarken daß RÜPPELL's "Atlas zu der Reise im nördlichen Afrika" lieferungsweise in einzelnen Heften herausgegeben worden ist. Mit freundlicher Hülfe von Herrn P. CAHN, der ein teilweise mit Lieferungsumschlägen versehenes Exemplar becsitst, konnte ich für den von CRETZSCHMAR bearbeiteten Säugetier-Teil die Erscheinungsjahre der einzelnen Lieferungen feststellen: im Jahre 1826 ist Lieferung 1 - 2 (mit Taf. I - VII). im Jahre 1827 Lieferung 3 - 6 (mit Taf. VIII - XV), im Jahre 1828 Lieferung 7 - 8 und 11 (mit Taf. XVI - XXVI) und im Jahre 1830 Lieferung 18 - 19 (mit Taf. XXVII - XXX) erschienen. Auch die Herausgabe des zweiten Hauptwerkes von RÜPPELL "Neue Wirbelthiere zu der Fauna von Abyssinien gehörig", von dem sich ein vollständiges Exemplar mit Original-Lieferungsumschlägen in der Bücherei des Herrn P. CAHN befinced, erfolte in einzelnen Lieferungen; und zwar ist vom Säugethier-Teil im Jahre 1835 Bogen 1 - 4 (mit Taf. I - VI), im Jahre 1936 Bogen 5 - 9 (mit Taf. VII - XII), im Jahre 1838 Taf. XIII - XIV (ohne text) und im Jahre 1840 Bogen 10 (ohne Tafeln) erschienen.

Für freundlihe Hülfe und Auskunft in verschiedenen Fragen bin ich den Herren P. CAHN in Frankfurt a. M., Prof. P. MATSCHIE in Berlin und Dr E. SCHWARZ in Frankfurt a. M., der auch für einige Namen verantwortlich ist, zu großem Danke verpflichtet.

Metselaar, D., M. C. Williams, D. I. H. Simpson, R. West and F. A. Mutere (1969). Mount elgon bat virus: A hitherto undescribed virus from Rhinolophus hildebrandtii eloquens K. Anderson.

A hitherto undescribed virus was isolated from salivary glands of fruitbat of the species *Rhinolophus hildebrandtii eloquens* (K. Andersen). Some of its properties are discussed. Of the viruses, isolated from organs of bats only and not from other sources, this virus is the first of which multiplication in mosquitoes - *Aedes aegypti* - was demonstrated.

Transmission to infant mice or to a blood reservoir through a batwing membrane was not achieved. The implications of the finding are discussed. The name Mount Elgon Bat virus (MEB) is proposed for the isolate.

Michelmore, A. J., D. J. Keegan and B. Kramer (1998). Immunoctochemical identification of endocrine cells in the pancreas of the fruit bat, *Rousettus aegyptiacus*.

The fruit bat, *Rousettus aegyptiacus*, is able to absorb large amounts of glucose in very short periods of time. This ability is partly reflected by the structure of the gastrointestinal tract and pancreas. The aim of this study was to confirm preliminary histochemical studies of the bat pancreas and to identify and quantitate endocrine cells by immunocytochemical techniques in order to understand the ability of the bat to absorb these large amounts of glucose. Endocrine cells were distributed in islets throughout the gland and also occurred as discrete cells in the exocrine ducts. Three-dimensional reconstruction and quantitation showed that the endocrine component of the pancreas occupied 9.1 % of the total volume. This is far more than that reported in any other species. Four endocrine cell types were demonstrated. Insulin (ß) cells (51.4 %) were located throughout the islet and extended between the glucagon (a) cells (30.6 %). Somatotostatin (`d) cells (8.8 %) and pancreatic polypeptide (PP) cells (17.1 %) were irregularly scattered throughout the islets. While the percentage of a, b, and d cells was similar to that in other species, the percentage of PP cells was higher. The high percentage of endocrine tissue found in the pancreas of the fruit bat may reflect metabolic adaptations involved in the absorption of the high carbohydrate diet of this animal.

Middleton, G. J. (1998). Lava caves of the republic of Mauritius, Indian Ocean.

In their *Underground Atlas*, Middleton & Waltham (1986) dismissed Mauritius as: "very old volcanic islands with no speleological interest". Recent investigations indicate this judgement as inaccurate; there are over 50 significant caves, including lava tube caves up to 687 m long (one 665 m long was surveyed as early as 1769) and 35 m wide. Plaine des Roches contains the most extensive system of lava tube caves with underground drainage rising at the seashore.

Notable fauna includes an insectivorous bat and a cave swiftlet (*Collocadia francica*), the nests of which are unfortunately prized for "soup". The caves are generally not valued by the people and are frequently used for rubbish disposal or filled in for agricultural development.

Bien que les îles Maurice ne soient pas connues pour leur intéret spéléologique, de récentes recherches indiquent qu'il ya plus de cinquante cavernes importantes, comprenant des tunnes de lave allant jusqu'à de 687 m de long et 35 m de large, l'un d'entre eux, de 665 m de long a été découverte dès 1769.

La Plaine des Roches contient le système le plus étendu de tunnels de lave avec un écoulement souterrain qui s'élève au niveau du rivage. La faune importante de ces caves comprends de chauves-souris insectivores et de petites hirondelles (*Callocalia francica*), les nids desquelles sont malheureusement recherchés pour soupes de gourmets. Les caves ne sont généralement pas appréciées par les habitants qui trop fréquemment s'en servent comme dépôts d'ordures ou d'entrepôts agricoles.

Miller, G. S. , Jr. (1897). Revision of the North American bats of the family Vespertilionidae.

Writers on American bats have published a large mass of facts concerning the distribution and comparative anatomy of members of the family *Vespertilionidæ*: Unfortunately, however, no work has yet appeared in which the numerous species by which this group is now known to be represented in North America are treated from the standpoint of the systematic zoologist. In other words it has hitherto been impossible for anyone not thoroughly acquainted with the extensive and scattered literature of North American bats to identify specimens correctly. The present paper has been prepared with special reference to the long-felt want of a ready means to accomplish this object.

Miller, G. S. , Jr. (1900). A collection of small mammals from Mount Coffee, Liberia.

In 1897 Mr. R. P. Currie spent about fourteen weeks, February 1 to May 10, as the guest of the New York State Colonization Society, at Mount Coffee, Liberia, where he made extensive collections in the interest of the United States National Museum. Though principally occupied with entomology, he secured a collection of small mammals, which proves to be of particular interest. Only twenty-eight species are represented, but nine of these are additions to the known fauna of Liberia, and seven are new to science. That so large a proportion of forms new to the region should be included in the collection is especially remarkable, in view of the fact that Mount Coffee, situated on the St. Paul River, about twenty-five miles from Monrovia, is within the area covered by the explorations of Büttikofer, Sala, and Stampfli; who obtained no less than ninety species of mammals.

The country in which the Currie collection was made calls for no detailed description. Mount Coffee lies in a damp, densely forested region, and its elevation above sea level is only 400 or 500 feet.

A few of the specimens were obtained by Professor O. F. Cook, but when no collector's name is mentioned it is to be understood that were taken by Mr. Currie, who is, in all cases, responsible for the native names and, unless the contrary is stated, for the measurements of the total length, tail vertebræ, and hind foot. I am much indebted to Mr. Wm. E. de Winton for aid in determining many of the rodents, and also for identification of most of the Cameroon material on which comparisons are based. Dr. F. A. Jentink has kindly compared a specimen of *Pipistrellus minusculus* with the type of *P. stampflii* in the Leyden Museum. This paper is published here by permission of the Secretary of the Smithsonian Institution.

Miller, G. S. , Jr. (1905). A new bat from German East Africa.

Two bats of the genus *Lavia* collected by Dr. W. L. Abbott at Taveta, German East Africa, in 1889, prove to differ too considerably from the West African *Lavia frons* to be regarded as the same species.

Miller, G. S. , Jr. (1907). The families and genera of bats.

In 1758, Linnæus knew seven bats, all or which he placed in *Vespertilio*, the fourth and last genus of the order Primates. The work of the next fifty years, as recorded by Tiedemann in 1808, though it had resulted in the recognition of the order Chiroptera, had not increased the species beyond 14, while the number of genera, even with the addition of the flying lemur, was still only seven. The first subdivision of the order into families appears to be due to Goldfuss, who, in 1820, arranged the genera in four groups, one of which still comprised the flying lemur. To each group he definitely applied the name "Familie." The real foundation for the current classification was, however, not laid by Goldfuss, but by Gray, who published the first of his many papers on bats in 1821. Gray excluded the flying lemur, recognized the two main subdivisions of the order, and applied to the names of families the system of nomenclature now in use. According to this scheme there were two suborders, the Fructivoræ and Insectivoræ, the former containing the families Pteropidæ and Cephalotidæ, the latter the Noctilionidæ and Vespcrtilionidæ. Though Gray's system was not followed very closely during the succeeding fifty years, it was finally given definite form by Gill in 1872 and Dobson in 1875, and since then has been almost universally adopted. The new classification now presented is, in fact, little more than an amplification of that founded by Gray. The increase in our knowledge of the Chiroptera since 1821 has been, however, very great. As we have seen, Linnæus recognized only one genus of bats; Gray placed the number comprised in his four families at about 14. In 1865 Peters divided the group into 10 families and subfamilies, containing, in all, 59 genera. When Dobson published his Catalogue of the Chiroptera in the British Museum, in 1878, he described 401 species, 80 genera, and 14 families and subfamilies. As might have been anticipated, this work, the only complete special monograph of the order, was such a stimulus to the study of bats that since it appeared these animals have received more attention than ever before. In 1904 Trouessart recorded no less than 851 species, 122 genera, and 18 families and subfamilies. It appears, however, that even these numbers are much too small. Detailed study of the skeleton, particularly of the wing and shoulder girdle and of the structure of the tooth cusps, leads me to the conclusion that among the known species at least 173 genera and 36 families and subfamilies should be recoguized. With regard to the species, recent work shows that an enormous increase is to be expected as the characters on which distinctions are based come to be better understood. It seems highly probable that the total number of recognized bats will eventually exceed 2,000 named forms.

Miltgen, F., I. Landau and J. Bradbury (1980). *Hepatocystis* d'*Hypsignathus monstrosus* (Pteropinae) au Gabon. II. Description d'*Hepatocystis carpenteri* n. sp.

Hepatocystis carpenteri n. sp. parasite d'*Hypsignathus monstrosus* au Gabon se différencie d'*Hepatocystis epomophori* et d'*Hepatocystis brosseti*, parasites d'autres Megachiroptères africains par la morphologie et la taille de ses schizontes intrahépatiques: *H. carpenteri* a une taille beaucoup plus grande et possède une paroi d'aspect spongieux qui n'a jamais été rencontrée chez d'autres *Hepatocystis*.

Hepatocystis of *Hypsignathus monstrosus* (Pteropinae) in Gabon. II. Description of *Hepatocystis carpenteri* n. sp.

Hepatocystis carpenteri n. sp. parasite of *Hypsignathus monstrosus* in Gabon is different from *Hepatocystis epomophori* and *Hepatocystis brosseti*, parasitic in other African Megachiroptera. *H. carpenteri* has bigger intrahepatic schizonts and a wall with a spongy appearance which has not been seen in other *Hepatocystis*.

Miltgen, F., I. Landau, G. Rosin and C. Erard (1977). *Hepatocystis brosseti* n. sp., Haemoproteidae, parasite d'*Epomops franqueti*, Pteropinae, au Gabon.

L'examen sanguin et histologique des *Epomops franqueti* (Pteropinae) capturés aux alentours de Makokou (Gabon) a montré que ces chauves-souris sont fréquemment parasitées par un Hépatocyste que nous nommons *Hepatocystis brosseti*. Le foie est l'organe de prédilection des schizontes, qui, à maturité, sont extracellulaires, polylobés, de taille modérée (250 µ) et pourvus d'une abondante colloïde en flaques. Un seul schizonte a été trouvé dans la rate.

Hepatocrstis brosseti n. sp., Haemoproteidae, parasite of *Epomops franqueti*, Pteropinae, in Gabon.

Epomops franqueti (Pteropinae) trapped around Makokou (Gabon) are frequently infected with *Hepatocystis brosseti* n. sp. Blood smears and tissue sections were made; all schizonts were found in the liver except a single one in the spleen. In liver, near maturity the schizonts are extracellular, convoluted, medium sized (250 µ) and filled with abundant colloidal substance.

Monadjem, A. (1998b). Distributional patterns and conservation status of mammals of Swaziland, southern Africa.

Distributional patterns (mapped at the quarter-degree square scale) of species richness of 121 species of mammal recorded from Swaziland were examined in relation to the distribution of protected areas (reserves), privately-owned ranches and six vegetation types. The richness of mammal species was highest in the NE and NW, and lowest in the SW areas of Swaziland. Total mammal species richness was positively and highly significantly correlated with the presence of reserves. Similar patterns were shown by artiodactyls, rodents and carnivores. Total mammal species richness, as well as for most mammalian orders, was positively correlated with moist grassveld and moist savanna vegetation types but negatively correlated with dry grassveld. Mammal species richness. especially for the larger species, was very low on Swazi Nation Land, which covers about 60 % of the country. The mammalian fauna of the high-lying areas (Highveld) was distinct from that of the low-lying areas (Lowveld). The Middleveld region supported elements of both Highveld and Lowveld species. A large proportion (87.6 %) of Swaziland's mammal species have been recorded from reserves. Two species (*Alcelaphus lichtensteini* and *Lycaon pictus*) no longer occur in Swaziland. For effective conservation of Swaziland's mammals, the issue of how to maintain viable populaions on Swazi Nation Land will have to be addressed.

Monard, A. (1935). Contribution à la mammalogie d'Angola et prodrome d'une faune d'Angola.

La Mammologie d'Angola est relativement peu connue; tandis qu'en Ornithologie, l'ouvrage capital de BARBOZA DU BOCAGE paru en 1877-1881 donnait déjà un tableau bien complet de cette partie de l'Histoire naturelle, auquel relativement peu de choses ont pu être ajoutées, la Mammologie ne faisait l'objet que d'un mémoire beaucoup moins étendu, paru en 1889-1891. Quelques traités spéciaux sur les Damans, les Rats-Taupes, les Antilopes ont complété sur ces points les données primitives de BOCAGE. Depuis lors les principaux auteurs ont été SEABRA qui s'occupe des Chiroptères, THOMAS, WROUGHTON, DE WINTON, HINTON, BLAINE, STATHAM, FRADE, qui étudient des collections des sujets spéciaux particuliers, en général peu étendues, on se placent au point de vue du chasseur. Aucun ouvrage d'ensemble, aucune faune générale n'a été entreprise depuis l'essai de BOCAGE.

Or, les difficultés d'identification des Mammifères sont grandes; leurs espèces ont été considérablement multipliées depuis une trentaine d'années, passant pour le total des formes actuelles de 3500 environ, à 13.000; des modifications incessantes de nomenclature ont contribué, dans une recherche souvent vaine de la priorité, à compliquer la besogne, si bien que certaines espèces ont changé trois ou quatre fois de genres depuis le *Catalogus Mammalium*: de TROUESSART (ex: *Herpestes*, devenu *Mungos, Ichneumon, Atilax, Myonax* ou *Ichneumia*); les anciens grands genres ont été divisés en nombreux sous-genres, puis ceux-ci élevés au rang supérieur et engendrant à leur tour de nouveaux genres et sous--genres (ex: *Mus*); les monographies de genres et familles sont pour certains groupes, et surtout les plus difficiles, ou périmées, ou inexistantes; l'analyse des caractères a été poussée à un tel degré qu'on a distingué dans les anciennes espèces des quantités de formes;

des espèces nouvelles, basées uniquement sur les mensurations des crânes, bases à notre avis bien chancelantes, ont fait leur apparition; en sens contraire INGOLDBY réunit en une seule les 45 formes de l'écureuil *Heliosciurus*, envisageant ses nombreuses espèces et variétés comme des phases climatiques d'un seul type; ajoutons à ces difficultés d'ordre scientifique celles qui résultent d'une extrême dispersion des mémoires originaux qui ne sont souvent que de simples notes éparpillées, la nécessité absolue de posséder le *Zoological Record* qui donne les références indispensables et une vaste bibliothèque scientifique - et l'on comprendra qu'il est vain de vouloir faire de la Mammologie précise sur le terrain et de chercher, pour un profane, un colon ou un missionnaire, à identifier là-bas les espèces recueillies.

C'est pourquoi, à la demande de quelques uns de nos amis d'Angola, nous nous sommes décidés à donner à ce mémoire une forme plus pratique et plus étendue qu'une simple liste additionnelle de noms avec localités. Nous avons cherché à en faire, non pas une "Faune d'Angola" ce qui serait prématuré et d'une trop grande envergure, mais le "Prodrome d'une faune". Cela nous permettra de développer inégalement les parties de ce mémoire, de nos attarder plus longuement aux espèces sujettes à discussion, ou d'homologation difficile (en l'espèce surtout les petits Marnmifères) et de passer plus rapidement ou d'énumérer simplement les espèces d'identification facile. Les collections importantes, recueillies dans nos deux voyages restent à la base de notre étude, qui sera donc une contribution à la Mammologie de ce pays; mais nous avons traité les espèces découvertes par nos devanciers de façon a donner un aperçu aussi complet que possible de la faune d'Angola. Nous ne nous dissimulons nullement les imperfections de ce travail; elles proviennent de l'impossibilité dans laquelle nous sommes d'examiner les types originaux et les collections des autres musées puis des oublis et des erreurs presque inévitables dans une oeuvre si compliquée et de si vaste envergure. Mais nous pensons néaumoins que l'essai devait être tenté et que notre oeuvre sera utile à beaucoup, qu'elle contribuera dans la population cultivée d'Angola à la connaissance de l'histoire naturelle, qu'elle encouragera l'étude zoologique du pays.

Pour chaque espèce nous donnons dans la règle une description originale ou tirée d'une monographie classique (DOBSON, pour les Chiroptères, ou SCLATER, *Fauna of South Africa*, etc.], sa distribution connue en Angola, le nom indigène en une ou plusieurs langues, des détails sur son habitat ou ses moeurs. Pour faciliter les recherches nous avons disposé des tableaux dichotomiques d'un usage aussi facile que possible; les synonymes des auteurs qui ont écrit sur l'Angola ont seuls été cités de manière à pouvoir se rapporter facilement à leurs oeuvres. Enfin nous avons donné souvent des mensurations crâniennes qui contribuent à la connaissance scientifique de l'espèce. Toutefois, le souci de ne pas allonger trop ce mémoire nous a fait supprimer les détails de moeurs donnés par les grands traités tels que celui de BREHM.

Monard, A. (1939). Résultats de la mission scientifique du Dr. Monard en Guinée Portugaise 1937-38. III. Chiroptères.

Nous connaissons très peu de choses concernant les Chiroptères de la Guinée portugaise, et l'étude que nous présentons ici est certainement la plus complète qui ait été écrite, Et cependant, elle ne contient qu'un tableau bien imparfait de la riche faune de Chauves-souris que possède cette colonie. Chaque soir, en saison sèche comme en hivernage, on voit évoluer ces animaux en nombre; leur variété n'est pas moins grande que leur fréquence. Mais on sait combien la chasse de ces animaux est difficile; si on n'a pas la chance de découvrir leurs retraites, leur capture est presque impossible. C'est en s'adressant aux Noirs qu'on a plus de facilité à s'en procurer,

Dans une liste de Vertébrés de la Guinée portugaise, BARBOZA DU BOCAGE (Jorn. Sc. Math. phys. nat. 2, 1890, p. 179) ne cite que deux espèces de Chiroptères: *Epomophorus gambianus* et *Nycteris hispida*. En outre, il avait cru devoir faire d'un exernplaire de la première espèce le type d'une forme nouvelle, *Epomophorus guineensis* qui n'a pas été conservé par les auteurs modernes. On trouve aussi, par ci par là, la mention de la Guinée portugaise dans les ouvrages généraux consacrés à ces animaux. C'est en cela que se bornent les connaissances actuelles sur la faune des Chiroptères de ce pays.

Montfort, A. (1992). Première liste commentée des mammifères du Rwanda.

A preliminary checklist is presented for the marnrnals of Rwanda based on the literature and our own observations. For several important groups as such bats in Nyungwe or small carnivores, data are certainly incornplete and details of large collections of rodents obtained by W.N. Verheyen and colleagues have yet to be published. Under such circumstances, this paper can not present more than a first provisional list of the rnammals of Rwanda.

Cet article fait l'état des connaissances sur les espèces et le statut des rnammifères sur l'ensemble du Rwanda à partir de la litérature existante et des observauons de l'auteur. Certains groupes n'ont pas encore fait l'object d'études importantes (petits carnivores) ou n'ont été que peu étudiés dans certains habitats (chauves-souris à Nyungwe par ex.) et. les détails des irnportantes collections de rongeurs réalisées par W. Verheyen et ses collègues ne sont pas encore publiés. Compte tenu de ces restricuons, la liste qui suit doit être considérée comme une première tentative d'inventorier les marnrnifères du Rwanda.

Morales, J. C., S. W. Ballinger, J. W. Bickham, I. F. Greenbaum and D. A. Schlitter (1991). Genetic relationships among eight species of *Eptesicus* and *Pipistrellus* (Chiroptera: Vespertilionidae).

Genetic relationships among eight species of *Eptesicus* and *Pipistrellus* were analyzed by use of horizontal starch-gel electrophoresis. It has been suggested that a 2n = 50 and FN = 48 karyotype defines the genus *Eptesicus*, and that related forms of differing karyotype should be placed in the genus *Pipistrellus*. Three species of *Eptesicus* with 2n = 50 and FN = 48, three species with lower diploid numbers, and two species of *Pipistrellus* were assayed in this study. The results show that the species of *Eptesicus* with 2n = 50 and FN = 48 form a homogeneous group with high similarity values, despite the included taxa coming from two continents. Species with lower diploid number show a lesser degree of similarity.

Morales Agacino, E. (1933). Datos y observaciones sobre algunos mamiferos marroquies.

Durante una excursión entomológica organizada por esta SOCIEDAD bajo los auspicios de la Dirección General de Marruecos y Colonias, en la que acompañé al Sr. Martínez de la Escalera (D. Fernando), en el mes de agosto de 1932, por la zona de Protectorado español en Marruecos, he podido tomar algunos datos sobre unas cuantas especies de mamíferos, muy pocas y muy vulgares, pero que el ser principalmente casi todas de la región del Rif - región tan poco conocida zoológicamente - hace me incline a redactar esta pequeña nota, pues tal vez pueda contribuir al mejor conocimiento de la fauna mastozoológica marroquí.

Morales Agacino, E. (1943). Algunos datos y observaciones sobre mamiferos marroquies.

En el transcurso de la- pasada excursión entomológica que en compañía de los buenos amigos los señores Dr. Werner Harten y D. Anselmo Pardo realizamos por distintos puntos del Marruecos español, recogimos una serie de datos de tipo mastozoológico que creemos muy conveniente publicar, ya que las novedades que encierran son una aportación más que añadimos a nuestros conocimientos sobre la fauna de este territorio.

Morel, P.-C. and J. Mouchet (1965). Les tiques du Cameroun (Ixodidae et Argasidae) (2e note).

Ce texte est un complément à notre note de 1958. Il comporte essentiellement une étude du genre *Ixodes*, qui n'avait pas été envisagée dans le travail précédent, car sa systématique était alors en cours de révision. A l'heure actuelle l'abondant matériel dont nous disposons (surtout du Cameroun et de

Côte-d'Ivoire) permet d'effectuer les diagnoses de tous les stades. Il a donc été possible d'étudier les collections du Cameroun et d'en obtenir d'importants renseignements quant à la distribution de ce genre dans les diverses zones de végétation.

Nous apportons également des renseignements complémentaires sur la systématique, la terminologie et la répartition, notamment dans le nord du pays, des espèces précédemment citées (une partie de ceux-ci avait d'ailleurs été publiée dans un travail sur les tiques des animaux domestiques de la région du lac Tchad)

Morrison-Scott, T. C. S. (1939). Some Arabian mammals collected by Mr. H.StJ.B. Philby, C.I.E.

Arabian mammals were first discussed systematically by Cretzschmar (1826), Lichtenstein (1827-34) and Hemprich & Ehrenberg (1828-33). Since then little was written till Thomas (1894B) wrote on the mammals of Oman. This was quickly followed by discussions of the Aden mammals by Yerbury & Thomas (1895) and Thomas (1900). Since that time there have been many papers (see Appendix I) on individual forms, notably by Thomas, but only three papers dealing with any considerable collections: Cheesman & Hinton (1924) on mammals collected by Cheesman between Riyadh and the east coast, Dollman (in B. Thomas 1932) on collections by Bertram Thomas in the south-east and Pocock (1935A) on Thomas's specimens once more and on a collection from various parts of Arabia presented to this museum by Philby.

Now Philby has sent home another fine collection, the results of his recent journey to the Hub al Khali (Philby 1938), and it is with these specimens that this paper is principally concerned though the earlier material has been reexamined.

Apart from the fact that Arabia is still relatively unknown zoologically, natural history collections from that country are of the greatest interest from the zoogeographical point of view. Arabia lies between the Ethiopian, Palaearctic and Indian regions and the extent to which each region has contributed to the fauna has been a matter of speculation ever since 1866 when Murray wrote on the geographical distribution of mammals.

The Red Sea is almost certainly a rift valley and the land connexion between Aden and Somaliland does not appear to have been broken until late in the Tertiary period. Pilgrim (1919. PI. I: 1925A, p. 73; 1925B, p. 202) shows that the land bridge across the Straits of Hormuz between Oman and Persia lasted at all events until the end of the Pliocene and probably till the late Pleistocene.

In view of the above it might be expected that south-eastern Arabia should show faunistic affinities with Africa and that Oman should have Persian and Indian relationships, and this is in fact the case. The Arabian Tahr (*Hemitragus jayakari* Thos.), a goat-like animal living in the mountains of Oman, is an interesting case. It is a close relative of the Tahr which is found on the southern slopes of the Himalaya and the one in the hill ranges of southern India. It is essentially a mountain animal and there do not appear to have been mountains along the land route which the Tahr would have had to have followed if there had been no bridge across the Straits of Hormuz. Oman has not been explored from the mammal point of view since Dr. Jayakar's time, and it would be interesting to find out if there are any Oriental forms there; that is, truly Oriental as opposed to Indian.

Some elements of the fauna are common to India and Africa. Philby's latest collection includes some gerbils of the genus *Tatera* (a new record for Arabia) which ranges as far as Ceylon on the one hand and S. Africa on the other, but the connexion between these two extremes may be independent of land bridges across the south end of the Red Sea and the Persian Gulf, as the genus has been recorded from the top end of the Persian Gulf.

The largest of the Arabian foxes (*Vulpes vulpes* L.) is common to N. Africa, Arabia and N.W. India, but it is not to be regarded as a true Ethiopian or Indian form, but as a Palaearctic intruder.

Lastly there are some Arabian mammals such as the hyrax (*Procavia*) which are found elsewhere only in Africa, Palestine and Syria.

The Arabian fauna, therefore, is of mixed origin and offers many interesting problems. More specimens are needed to solve these, apart from the entirely philosophical object of finding out what mammals live in Arabia, and any specimens sent to the British Museum will be gratefully acknowledged.

Throughout this paper the use of parentheses for the names of authors of species which have been moved to another genus has been discontinued for reasons given by Dr. Osgood (1939). *Science*, **89**: 9. Conventions used with regard to certain measurements have been explained in Appendix II and a list of the co-ordinates of those Arabian Iocalities which are hard to find in maps has been giyen in Appendix Ill.

I should like to take this opportunity of thanking my colleagues in the Mammal Room for their various suggestions and help, especially Mr. R. I. Pocock. F.R.S.

Müller, J. (1858). Eine neue Fledermausart aus Nordafrika.

Wir erhielten aus einer Partie Fledermäuse, die, der Präparateur des kais. Hofnaturalienkabinets, der glückliche und eben so unermüdliche, als umsichtige Sammler Hr. Zelebor aus Aegypten mitgebracht und dem Prof. Dr. Kolenati ebenfalls mitgetheilt hatte, eine sehr kleine Fledermaus, welche bei sorgfältiger Untersuchung und Vergleichung mit *Vesperugo macuanus* Peters, mit *V. Rüppelii* Fischer, mit *V. nanus* Peters, mit *V. platycephalus* Smuts, mit *V. minutus* Temmink, mit *V. Kuhlii* Natterer, mit *V. ursula* Wagner - mit keiner der angeführten Arten die Charaktere gemein halle, von jeder viel mehr in mehreren wesentlichen Merkmalen differirte, wie wir diess weiter unten, im Anhange darthun werden. Wir konnten daher um so beruhigter zur Aufstellung dieser ausgezeichneten Art schreiten, als wir bei dem kritischen Chiropterologen Prof. BIasius (in der Fauna der Wirbelthiere Deutschlands I. S. 63) bei *Vesperugo Kuhlii* Natterer die schon entschiedenen Synonyme: *V. vispistrellus* Bonaparte, *Alcythoe* Bonaparte, *marginatus* Cretschmar in Rüppel, und *albolimbatus* Küster fanden, als wir ferner bei dem eben so scharfsinnigen als im Geiste der vorschreitenden Neuzeit die Chiroptern bearbeitenden Naturforscher, Prof. Kolenati, alle Tafeln zu dessen grossartigem neuen Werke über Chiropterologie direct nach der Natur gezeichnet haben. Wir fanden in einem Schreiben des Herrn Zelebor an Dr. Kolenati, vom 6. October 1856 datirt, die Bemerkung, ob nicht dieser Art der Name "Kolenatia" gegeben werden dürfte, und in der Antwort des Dr. Kolenati an Hrn. Zelebor vom 15. October 1856 die widerstrebende Bemerknng, dass diese Art erst die .vergleiche mit den obengenanuten Afrikanischen bestehen müsste. Wir nehmen gegenwärtig um so weniger Anstand, sie im Geiste des Finders nach unserem Chiropterologen, der uns schon, wie allbekannt, so viele schlagend neue Beiträge zur Naturgeschichte der Handflügler geliefert hatte und noch immer siefert, zu benennen, und nach dem Muster seiner nunmehr unübertrefflichen Diagnosen zu beschreiben.

Mutere, F. A. (1967). The breeding biology of equatorial vertebrates; reproduction in the fruit bat *E. helvum*, at latitude 0º20'N.

The African fruit bat, *Eidolon helvum* Kerr, is known to occur only south of the Sahara where its distribution is localized. At 0°20' N, this bat exhibits seasonal and synchronized breeding the rhythm of which appears to correspond with the two rainfall peaks typical of Uganda. Quite unexpectedly and unprecedently, this bat exhibits delayed implantation lasting about three months. Evidence for this phenomenon comes from the histological examination of the adult female genital tracts which indicate that mating occurs only in April-June, but implanted embryos are only in evidence in October-November. The male sexual cycle corresponds to such a rhythm and shows a maximum testicular weight at the mating time. Births take place in February-March thus giving a gestation period of about four months. Only one young is born at a time and births occur just before the onset of the higher of the two rainfall peaks, presumably creating favourable conditions for the maximum survival of the young bats when weaned.

Mutere, F. A. (1970). Bat studies in Uganda.

The author reviews the results of recent studies of the hahitat, breeding and feeding habits, viruses, and flight behaviour of the rich bat fauna of Uganda. Some bats breed seasonally (either once or twice a year) whereas others breed aseasonally throughout the year. Fruit bats fulfill the role of both pollination and seed dispersal. Some of the bats of Uganda act as hosts to viruses, and, as such, are important from the aspect of public health studies.

Mutere, F. A. (1973a). A comparative study of reproduction in the populations of the insectivorous bats, *Otomops martiensseni*, at latitudes 1° 5' S and 2° 30' S.

The insectivorous bat under review, *Otomops martiensseni* (Matschie) is essentially an African bat with a distribution from down south to as far north as Kenya. It is cave-dwelling and does not appear to occur in West Africa. In this study, reproduction of two populations, one at Suswa in the Rift Valley, latitude 1° 5' S and the other at Ithundu in the Chyulu Hills, latitude 2° 30' S was investigated and compared. Regular monthly samples from both populations were collected commencing in March 1970 and running on to February 1972. The bats were processed in the laboratory for pregnancies, weights of testes and foetuses and other measurements and observations. Seasonality in the occurrence of pregnancies was observed in both populations, that is, from October to January only. Also the adult males realized a peak in their mean testicular weight in August, a short period just before the onset of pregnancies thus indicating the most likely time of mating. The female sexual cycle at Ithundu appears to be geared to the rainfall regime as measured at Makindu Meteorological Station about 10 krn away. The male sexual cycle, on the other hand, shows a peak in the very dry months suggesting that such a dry spell may be more important than the rain. Molossid bats exhibit variation in their breeding cycles.

Mutere, F. A. (1973b). Reproduction in two species of equatorial free-tailed bats (Molossidae).

(1) The insectivorous bat *T. pumila* living at Entebbe latitude 0°6' N breeds throughout the year. However, it exhibits peaks in its breeding cycle which appear to coincide with the two rainfall peaks which occur at Entebbe and in Uganda generally; a low one in October-November and a higher one in April-May.

(2) The other insectivorous bat *T. condylura* living at Bukalasa latitude 0°43' N exhibits a bimodal breeding rhythm also closely correlated with the rainfall pattern at Bukalasa which is similar to that at Entebbe.

(3) Rain may therefore be an important proximate factor in the breeding of these bats while food (insects) may play an important ultimate role.

(4) One young per bat is the rule and implantation which always takes place in the right horn of the bicornuate uterus of both species is unilateral.

(5) The gestation period in *T. condylura* is about 2 months and in *T. pumila*, it may be shorter than this.

(6) Both species develop and mature rapidly and as they are often found living together, the difference in their breeding patterns is advantageous in that it helps to reduce competition between them.

Myers, P. (1978). Sexual dimorphism in size of vespertilionid bats.

Sexual dimorphism in body size of mammals is usually explained in terms of competition among members of one sex for members of the other or as a means of reducing intraspecific competition for resources such as food. Sexual dimorphism in vespertilionid bats, often characterized by females exceeding males in body size, does not seem to fit either explanation. A third hypothesis that female body size is influenced by the need to fly with and nourish large fetuses (and occasionally young), is probably unique to bats. If true, it should follow that the greatest degree of sexual dimorphism would occur in those species the greatest fetal or neonatal weight. Examination or data concerning size (skull

and lengths) and reproduction for vespertilionid bats reveals that the total weight and modal number of young born per pregnancy per species are strongly, positively correlated with the degree of sexual dimorphism in wing size. Further, covariance analysis shows that the wings of females of several species of vespertilionids are larger than those of males even after statistical adjustment of the data to make the body size of each sex the same. These observations suggest that sexual dimorphism in size of vespertilionid bats is influenced by the demands of large fetuses.

Nadachowski, A., J. Smielowski, B. Rzebik-Kowalska and A. Daoud (1990). Mammals from the Near East in Polish collections.

Mammals from Turkey, Syria, Lebanon, Israel, Cyprus and Iraq stored in Polish collections are described. Additional records of 47 taxa of mammals are given from the Near East.

Nader, I. A. (1975). On the bats (Chiroptera) of the kingdom of Saudi Arabia.

As part of a study of the mammalian fauna of the kingdom of Saudi Arabia, a number of interesting bat specimens have been collected. The Egyptian fruit-eating bat, *Rousettus aegyptiacus*, and the Greater mouse-tailed bat, *Rhinopoma microphyllum*, are recorded for the first time from the country. Distributional notes and comments on the biology of these two and on five other species of bats from Saudi Arabia are mentioned. Previous distributional records of the other eight species known from the country are summarized. A map showing collecting localities is included.

Nader, I. A. (1982). New distributional records of bats from the kingdom of Saudi Arabia (Mammalia: Chiroptera).

Hipposideros caffer (Sundevall, 1846) and *Miniopterus schreibersi* (Kuhl, 1819) are recorded for the first time from Saudi Arabia. Additional information and second records in addition to measurements are reported form six other bats: *Rhinopoma m. microphyllum, Taphozous n. nudiventris, Rhinolophus clivosus, Rhinolophus hipposideros minimus, Tadarida midas* and *Eptesicus nasutus*. Distribution maps of *Rhinolophus clivosus* and *Eptesicus nasutus* are included.

Nader, I. A. (1985). First record of *Eidolon helvum sabaeum* (K. Andersen, 1907) for the kingdom of Saudi Arabia (Chiroptera: Pteropodidae).

The chiropteran fauna of the Arabian peninsula was reviewed by Harrison (1964, 1972) who recorded thirteen species of bats from the kingdom of Saudi Arabia. Additional information and new records of bats for the kingdom were given by Nader (1975, 1982), Nader and Kock (1980, 1983 a and b) and Jennings (1979) bringing the number of bat species recorded from the kingdom to nineteen. The present record brings the total of Saudi Arabian bats to twenty species. Further collecting most likely will add new species to the chiropteran fauna of the kingdom.

Nader, I. A. and D. Kock (1980). First record of *Tadarida nigeriae* (Thomas 1913) from the Arabian peninsula (Mammalia: Chiroptera: Molossidae).

Tadarida nigeriae (Thomas 1913) is recorded for the first time from the Arabian peninsula; measurements, zoogeographical notes and a key to the Arabian molossid bats are given.

Nader, I. A. and D. Kock (1983a). A new slit-faced bat from central Saudi Arabia (Mammalia: Chiroptera: Nycteridae).

Nycteris thebaica najdiya n. subsp. is an extremely pale coloured population in central Saudi Ambia, extending species range by 920 km from nearest known localities. Zoogeographical relations are discussed.

Nader, I. A. and D. Kock (1983b). *Rhinopoma microphyllum asirensis* n. subsp. from southwestern Saudi Arabia (Mammalia: Chiroptera: Rhinopomatidae).

Rhinopoma microphyllum asirensis n. subsp. is described from the Asir region, SW-Saudi Arabia. It differs from neighbouring conspecific populations by smaller size and in skull characters.

Nader, I. A. and D. Kock (1987). First record of *Miniopterus schreibersi* (Kuhl 1819) (Mammalia: Chiroptera) from North Yemen with zoogeographical relationship evidenced by wing mites (Acarina: Spinturnicidae).

Miniopterus schreibersi is recorded for rhe first time from North Yemen. Because of slightly smaller measurements and geographical proximity we identifiy the SW Arabian population as *M. s. arenarius*, described from E-Africa. - For the first time Spinturnicidae are recorded from Saudi Arabia: parasitic wing mites from *M. schreibersi* are identified as *Spinturnix semilunaris*. This is an Aethiopian faunal element, replaced by *S. psi* on *M. s. pallidus* in the Near East. This finding supports our classification of the SW-Arabian host population with the E-African subspecies, *M. s. arenarius*.

Nader, I. A. and D. Kock (1990). *Eptesicus* (*Eptesicus*) *bottae* (Peters, 1869) in Saudi Arabia with notes on its subspecies and distribution.

Eptesicus bottae is een additional species to the bat fauna of Saudi Araibai and data for the nominate subspecies are given for the first time since its original description. Additional measurements and notes are given for recognition of the known subspecies *innesi, hingstoni, anatolicus* (new material) *taftanimontis*, and *ognevi* (new materialà; lists of synonyms are attempted for these subspecies and their distribution is mapped. Data on reproductive activity are included. - *E. hingstoni* collected at Shanna/SE-Arabia actually represents *E. nasutus*; *E. nilssoni* recorded for Iraq had been re-identified as *E. bottae*.

Nel, J. A. J. and J. J. L. Pretorius (1971). Note on the smaller mammals of the Mountain Zebra National Park.

Collecting in April 1971 yielded 74 specimens of 16 species. Of these, seven species (*Elephantulus rupestris, Lepus saxatilis, Pronolagus crassicaudatus, Graphiurus murinus, Aethomys namaquensis, Desmodillus auricularis* and *Gerbillurus paeba*) are new records for the park. Distribution in habitat-types for each species known to occur are described.

Niort, P. L. (1970). Contribution à la connaissance des chiroptères du Burundi (Afrique Centrale).

La présente communication concerne les Chiroptères du Burundi, Ordre de Mammifères qui n'a jamais été étudié précédemment sur le territoire de ce jeune Etat. Cet exposé a pour but de présenter les études entreprises par le Laboratoire de Zoologie e Biologie Animale de la Faculté de Sciences de l'Université de Bujumbura, en mettant en évidence l'intérêt actuel de ces études, et faire connaître les

résultats obtenus durant la première phase de ces recherches. Dans le domaine de la faunistique, 18 espèces de Chauves-souris - dont 15 non encore signalisées dans cette partie de l'Afrique - ont été observées et enregistrées. D'autre part, 35 stations où furent faites des observations, sont notées avec précision et localisées sur la carte. Ces résultats ne doivent être considérés que comme le début d'une série de travaux qui porteront sur la physiologie, le comportement et l'écologie de ces animaux.

The present paper deals with the Bats of Burundi (Central Africa), a country whose Mammals have been very little studied up to this day. It is first showing the research which has begon in the Biological Laboratory of the University of Bujumbura, and the ecological and social interest of this work.

Then we give a list of the records, with some remarks about the circumstances of the captures and the behaviour of the animals concerned. We presently know in Burundi at least seven families, fifteen genus or subgenus and eighteen species of Chiroptera, a great number of them have been observed and nearly 250 specimens are kept in our collections. Some mistakes about Burundi which had been written in precedent works have here been corrected.

But, in spite of great difficulties following the lack of laboratory material and scientific workers, this research must be continued during the next years, we will certainly identify many other species. Inquiries of physiology, ecology and behaviour which have been undertaken about these Bats will be continued;

Noack, Th. (1887). Beiträge zur Kenntnis der Säugethier-Fauna von Ost- und Central-Afrika. Nach Sammlungen und Aufzeichnungen des verstorbenen Dr. Richard Böhm.

Durch die Güte des Herrn Dr., ANTON REICHENOW in Berlin erhielt ich zur Bearbeitung eine Kollektion von Säugethierbälgen und Schädeln, welche von dem leider schon im Anfange einer voraussichtlich glänzenden zoologischen Laufbahn zu Katapäna in Urua (Central-Afrika) verstorbenen Dr. RICHARD BÖHM auf der Reise von Sansibar bis über den Tanganika-See hinaus gesammelt und von Herrn PAUL REICHARD, dem einzigen Ueberlebenden der Expedition, nach Berlin gebracht wurden. Die aus zwei Antilopen, 1 Carnivoren, 2 Insectivoren, 11 Nagern, 19 Chiropteren und 3 Affen bestehende Kollektion, zu welcher. noch 2 schon von Herrn Dr. REICHENOW im "Zoologischen Anzeiger" beschriebene Thiere, *Sciurus böhmi* und *Rhynhocyon reichardi*, gehören, ist freilich nur ein geringer Rest der umfangreichen, leider zu Grunde gegangenen Sammlungen BÖHM's; aber er gewinnt erheblich durch 2 erhaltene, mir gleichfalls durch Herrn Dr. REICHENOW zur Verfügung gestellte Aufzeichnungen desselben Reisenden, ein zoologisches Notizbuch und eine für den unterdessen auch verstorbenen Professor Dr. PETERS in Berlin bestimmte systematische Arbeit über die Säugethier-Fauna von Ost- und Central-Afrika, sowie durch eine reichhaltige Sammlung vortrefflicher Farbenskizzen, deren Einsicht und Benutzung mir Frau Geheimrath BÖHM in Berlin gütigst gestattete. Durch Verarbeituug und Kombinirung dieses Materials lässt sich eine genügende Uebersicht über die Säugethier-Fauna in den von den Herren REICHARD, BÖHM und KAISER durchzogenen Gebieten gewinnen.

Die Bestimmung der Säugethiere, unter welchen sich manche neue Arten befinden, wurde mir hauptsächlich durch die Güte des Herrn Professor Dr. PAGENSTECHER in Hamburg ermöglicht, welcher mir in Iiberalster Weise die Benutzung. Der Hamburger Sammlung gestattete und dem ich für seine sehr freundliche Unterstützing in jeder Beziehung hierdurch meinen herzlichsten Dank ausspreche.

Indem ich im Folgenden eine Uebersich über die von Dr. BÖHM in Ost- und Central-Afrika gefudenen Säugethiere gebe, lege ich seine eigene Arbeit zu Grunde, welche sich allerdings nur auf das Gebiet Zwischen Sansibar und dem Tanganika-See bezieht, dieselbe durch seine Notizen über das Gebiet im Westen des Tanganika und durch meine bearbeitung der mir übergebenen Thiere vervollständigend. Ich werde dabei BÖHM's eigene Worte jedesmal durch Anführungszeichen hervorheben. Wenn die Arbeit eine Ungleichmässigkeit zeigt, indem manche Partien rein biologisch, andere rein anatomisch und physiologisch sind, und wenn viele Arten nach kurzen Notizen BÖHM's von mir nicht bestimmt werden konnten, ohne dass ich in werthlose Konjekturen verfallen wäre, so liegt das in der Art der Entstehung.

Das faunistische Gebiet, welches von BÖHM erforscht wurde, zieht sich von Sansibar dem 6.° S. B. folgend nach Westen durch den Besits der deutsch-ostatrikanischen Gesellschaft bis Usagara, geht dann durch Ugogo nach Ugunda und Kawende bis an den Tanganika-See und schweift nördlich von Ugogo in Unyamnesi bis zum 4.° S. B. nach Norden. Jenseit des Tanganika-Sees erstreckt es sich nach Südwesten durch Marungu, woher die meisten von mir untersuchten Thiere stammen, über den Lualaba nach Urna, bis zu den Kongo-quellflüssen, dem Lufire und Likulve, etwa bis zum 10.° 0 S. B. reichend. Es bildet also in Unyamuesi ungefähr einen rechten Winkol und reicht von Ost-Afrika bis in das zoologisch noch fast jungfräuliche Gebiet des oberen Kongo. (Vergl. Die Karte von Central-Ostafrika von Dr. ENGELARDT u, J. v. WENSIERSKY Berl. 1886 und für Marungu und die westlich vom Tanganika gelegenen Gegenden die Kartenskizze von REICHARD in: Mittheil. Der afrikanischen Gesellschaft, Bd. VI, Taf. 10, 1886.) Das Hochland um den fast 90 deutsche Meilen langen, 814 m hoch gelegenen Tanganika bildet die grosse Wasserscheide zwischen den 3 Seiten Afrikas, zwischen Nil, Kongo und Sambesi. Daraus erklärt sich, dass die Säugethiere, deren Verbreitung besonders durch die Flüsse (Nager, Antilopen, Dickhäuter) bedingt wird, hier Formen aufweisen, welche ebensowhl der durch TEMMINCK von Guinea wie der durch HEUGLIN aus den Nilländern und durch PETERS aus Mosambique bekannt gewordenen Fauna verwandt sind. Bedingt wird diese Fauna ferner durch die Gestaltung des Landes: es ist ein wasserreiches, mehrere Tausend Fuss hohes, von höheren Gebirgen durchzogenes Plateau, bedeckt in der Höhe von lichtem Buschwald, sowie an den Flüssen und Gewässern von dichtem Urwald, in der Ebene von hohen Grassavannen mit vereinzelten Bäumen (östlich vom Tanganika boga, westlich buga genannt), dazwischen hier und da Kulturen der Eingeborenen.

Unyarmuesi, die Wasserscheide zwischen Tanganika und Ukerewe, ist, wie Dr. BÖHM in siener zu Gonda (Norden von Ugunda, südlich von Unyamuesi und Ubyaniembe) verfassten Uebersicht bemerkt, abgesehen von Hufthieren, ausserordentlich arm an Säugethieren, woran wohl die Dürftigkeit und Einförmigkeit des "pori", des liecten Waldes, der das Land, Ebene wie Gebirge, fast durchaus bedeckt, und dem es an Dickichten, Wiesengründen selbst üppig belaubten Baumgipfeln ganz gehricht, die Hauptschuld tragen mag. Besonders auffallen muss die Artenarmuth an Sciuriden, Herpestiden und Affen. Aermer noch erscheint die Säugethier-Fauna, weil eine grosse Zahl ihrer Glieder wegen ihrer nächtlichen Lebensweise nur äusserst selten zu sehen oder aber wirklich selten ist. Dagegen ergiebt sich aus BÖHM's Notizen, dass die Säugethier-Fauna um den Tanganika-See, besonders auch im Westen desselben nach den Kongoquellflüssen hin, ausserordentlich an Artenreichthum zunimmt. Auf dem Wege von Sansibar bis Ugogo und Ugunda ist die Fauna schon erheblich durch den Einfluss des Menschen gemindert worden, während sich um den Tanganika und jenseit mehr der Urzustand der Dinge erhalten hat.

Noack, Th. (1889). Beiträge zur Kenntnis der Säugethierfauna von Süd- und Südwest-Afrika.

Von zwei Afrikareisenden, Herrn Dr. HANS SCHINZ in Riesbach bei Zürich und Herrn P. HESSE, jetzt in Venedig, resp, dem Senckenbergischen Museum in Frankfurt a, M., in dessen Besitz die Sammlungen des letzteren Herrn übergegangen sind, wurde mir die Bestimmung und Bearbeitung einer Anzahl von Säugethieren übertragen. Die von Herrn Dr. SCHINZ gesammelten Specimina stammen aus Damara- und Ovamboland und der Kalahari-Wüste, welche Gebiete derselbe auf einer 2 1/2 jährigen, besonders botanischen Studien gewidmeten Forschungsreise bis zum Kunene und Ngamisee durchzog (vergl. Seinen Bericht in: Verhandl. Gesellsch. Erdkunde, Berlin, Bd.14, 7, p. 322-334). Herr HESSE erwarb seine umfangreichere Sammlung im Gebiete des unteren Kongo, wo derselbe mehrere Jahre Beamter der Nieuwe Africaansche Vernootschap war. Sein Bezirk deckt sich im Grossen mit dem von der deutschen Loango-Expedition 1873-76 erforschten Gebiete, reicht aber über Boma nach Stanleypool aufwärts, und seine Funde ergänzen besonders in Bezug auf die Chiroptera wesentlich die von Dr. PECHUEL-LOESCHE: (Deutsche Loango-Expedition, Bd. 3, Cap. 4) gegebene Uebersicht. Die mir übergebenen Objecte bestanden theils in Körpertheilen, Schädeln und vollständigen oder unvollständigen Bälgen, theils und besonders zahlreich von Herrn HESSE gesammelt, in vollständigen Spiritus-Exemplaren.

Die beiden Sammlungen gehören wesentlich der ostafrikanischen Subregion von SCLATER-WALLACE an, und zwar die des Herrn HESSE der nordwestlichen Grenze desselben, welche nach WALLACE gerade mit dem unteren Laufe des Kongo abschneidet, während die des Herrn Dr. SCHINZ in den Norden der südafrikanischen Subregion eingreift, deren Grenze von der Walfischbai in östlicher

Richtung durch die Kalahari- Wüste bis zum Limpopo zieht und von da landeinwärts von der Ostküste bis nach Mosambique verläuft (vergl, die Karte bei WALLACE, Die geographische Verbreitung der Thiere , deutsch von A. B. MEYER, p. 294). Da das untere Kongo-Gebiet nicht mehr wesentlich in das der westafrikanischen Hyläa hinüberreicht, anderseits Ovamboland und der Ngami-See , bis wohin Dr. SCHINZ vorgedrungen ist, noch dem Süden der ostafrikanischen Sub egion angehören, so wird es sich empfehlen, die Besprechung der beiden Collectionen zu vereinigen. Für die specielle Characterisirung des von Herrn HESSE zoologisch erforschten Gebietes verweise ich auf die classischen Schilderungen von PECHUEL-LOESCHE, besonders im 3. und 4. Cap. des 3. Bandes der deutschen Loango-Expedition , sowie auf die grosse Uebersichtskarte von LANGE, Bd, 1 und die Karte des Kuïlu-Gebietes von PECHUEL-LOESCHE, Bd. 3. Der letztere bestätigt ebenfalls Bd, 3, p. 124 die von SCLATER-WALLACE bestimmte Nordgrenze durch die Bemerkung, dass die letzten grossen Wälder der westafrikanischen Subregion in dem breiten Mündungsgebiete des Kongo gedeihen und südlich davon die Gegend den Oharacter der Savanne und Campine trägt, in welcher der Busch vorherrscht, vereinzelt zum Buschwalde, an den Flüssen zu dem von Dr. SCHWEINFURTH so malerisch geschilderten Galeriewalde, ja zum wirklichen Hochwalde sich potenzirt. Dem widerspricht nicht, dass nach den Berichten von FRANÇOIS, KUND und TAPPENBECK das zoologisch noch der Erforschung harrende Gebiet der grossen südlichen Kongozutlüsse, des Kassai und Sankuru, vielfach wieder den Character der Hyläa trägt. In dem von Herrn HESSE besonders erforschten Küstenstrich ist noch der Mangrove-Sumpf, welcher manchen Säugethieren, selbst Atlen zum gelegentlichen Aufenthalte dient, eine besonders characteristiscbe Erscheinung. Das von Dr. SCHLNZ durchzogene Gebiet, in welchem die die südafrikanische Subregion so gut characterisirenden Proteaceen gar nicht mehr vorkommen, während die Euphorbien sich auch in der ganzen ostafrikanischen Region finden, wurde vor ein paar Jahren ebenfalls von Dr. PECHUEL-LOESCHE im Westen der Walfischbai besucht, und seine 1885 auf dem 5. Geographentage in Harnburg ausgestellten Aquarelle . . .

Norberg, U. M. (1972). Functional osteology and myology of the wing of the dog-faced bat *Rousettus aegyptiacus* (É. Geoffroy) (Mammalia Chiroptera).

The muscles moving, directly or indirectly, the anterior extremity, the action of the muscles, and the skeletal elements on which these muscles attach are described in *Rousettus aegyptiacus* (É. Geoffrey) (Pteropodidae). On the whole the morphological pattern and action of the muscles are the same as in microchiropteran bats, though there are some differences. The description, high-speed films, and flash photographs are made the basis of functional aspects.

1. *Rousettus aegyptiacus* has a very low midventral sternal ridge. The sternum also has three keels, on which a median ligamentous sheet attaches. This ligament and the keels form an enlarged area of attachment for the pectoralis muscle without any appreciable increase in weight.

2. The cross sections of the digits are described. The digits are shaped in such a way as to have their largest diameters in those planes where the bending forces are largest, thereby keeping low the weight while still possessing rigidity in the important directions. However, this flattening of the digits in certain planes is less pronounced in *Rousettus aegyptiacus* than in many micro chiropteran species.

3. The metacarpals are short in relation to the entire digits, as compared with many microchiropteran species. This permits the bat to get a potentially high camber of the wing during the downstroke. During the later part of the upstroke the digits are highly flexed, folding the hand wing, to reduce the drag. A relatively short metacarpal contributes to giving a small area of the hand wing meeting the airstream during the upstroke.

4. The rigid unit formed by the second and third digits is very broad in megachiropteran bats. Musculus palmaris longus is very powerful in *Rousettus aegyptiacus* in comparison with most microchiropteran bats so far investigated. These features contribute to giving high camber of the wing.

5. *Rousettus aegyptiacus* has a powerful flexor muscle of the radius, Musculus brachio-radialis, which is unusual in microchiropteran bats.

6. Megachiropteran bats, so far investigated, possess more powerful membrane muscles than do the small microchiropteran bats.

Flight characteristics: The wing loading for females is ca. 21 Nm^{-2}, for males ca. 30 Nm^{-2}, the aspect ratio ca. 5.8, and the stroke frequency ca. 8 per sec in slow level flight, ca. 3.3 m per sec.

Novacek, M. J. (1987). Auditory features and Affinities of the Eocene Bats *Icaronycteris* and *Palaeochiropteryx* (Microchiroptera, incertae sedis).

The earliest known bats are skeletons of *Icaronycteris index* from the early Eocene of western Wyoming and a few less well-represented species from the early Eocene of France. Also known are *Palaeochiropteryx tupaiodon* and several other species from the middle Eocene of western Germany. These taxa have been regarded as primitive forms, either "ancestral" to echolocating microchiropterans or "ancestral" to both micro- and megachiropterans. Details of basicranial structure suggest that these Eocene forms were, however, specialized echolocators comparable to Recent microchiropterans. Moreover, quantitative analysis reveals that the Eocene bats have a more pronounced expansion of the cochlea than many Recent microchiropteran species. There is clear justification for reference of *Icaronycteris* and *Palaeochiropteryx* to the Microchiroptera. Conversely, there is no reason to recognize a "primitive ancestral" group, Eochiroptera, that is excluded from Microchiroptera or Megachiroptera. The relationships of *Icaronycteris* and *Palaeochiropteryx* within Microchiroptera remain uncertain. Association of these taxa and several other Eocene forms within the microchiropteran superfamily Palaeochiropterygoidea fails to clarify these relationships. Palaeochiropterygoidea has not been defined by derived characters, and *Icaronycteris* and *Palaeochiropteryx* are more accurately designated Microchiroptera incertae sedis. Several primitive features shown by *Icaronycteris* suggest that the development of a sophisticated system for echolocation within Microchiroptera occurred earlier than certain modifications of the postcranial skeleton.

Oelofsen, M. J. and M. S. Smith (1993). Rabies and bats in a rabies-endemic area of southern Africa: application of two commercial test kits for antigen and antibody detection.

In southern Africa, isolates of rabies-related viruses (Le, Duvenhage virus and Lagos bat virus) have been made from insectivorous and frugivorous bats. As no recent formal bat virus survey has been reported in southern Africa, a survey of bats in rabies-endemic areas was undertaken. Five hundred and fortyseven bats (13 species) were collected from 21 localities in the Orange Free State, Lesotho and the northern Cape Province. None of the 190 bat sera tested using the "Trousse Platelia Rage" ELISA kit (Diagnostic Pasteur), had antibodies to rabies virus glycoprotein G. Rabies virus nucleocapsid antigen was also sought for in the brains of 530 bats (13 species) by means of the "Rapid rabies enzyme irnrnunodiagnosis" (RREID) test (Diagnostics Pasteur). No positive results were obtained. These results show that bats are unlikely to play an important role as hosts of rabies in these parts of Africa, although a low rate of infection cannot be excluded.

Ogen-Odoi, A. A. (1981). The influence of seasonality of food and rainfall on some aspects of the ecology of bats on Entebbe Penninsular, Uganda.

The influence of availability of food (fruits and insects) and rainfall on some aspects of the ecology of Chiropteran fauna on Entebbe Peninsular was investigated in a twelve month intensive study, and the data presented are discussed in relation to survival, competition and adaption of the bats in the area. The bats were sampled, regularly using Nylon Mist Nets.

Observations and records were made of the fruiting phenology of the most abundant fruit plants within the Peninsular through the study and aerial insect count data were noted of the insects caught using light traps.

Epomophorus anurus (Hegluin) and Tadarida species showed the highest incidence and widest spatial distribution amongst the frugivorous and insectivorous bats respectively.

The numbers, spatial dispersion and activities of the bats were strongly correlated with rainfall patterns and the subsequent food availability. Numbers of individual bat species progressively decreased, but species diversity increased after the high rainfall peaks, when food become abundant. The activities of the fruit bats were randomly distributed at various levels above ground during seasons of food scarcity, but became restricted to higher levels during food abundance. Flight patterns of the insectivorous bats were however not affected by changes in seasons and food availability.

During the peaks of high rainfall and low food supply,
flight and foraging activities started early in the evening (1800 hrs local time) and ended some two hours after mid-night, before the characteristic early morning heavy rains. In addition, their activities were secondarily influenced by the intensity of moon light causing the bats to disappear.

The abundance of insects and fruits coincided with similar bimodal peaks. There was no sex difference in activity patterns in all the bats, although there was a marked female dominance in numbers over males. Over all, more fruit bats were caught in the mist nets than insectivorous bats.

Ogen-Odoi, A. A. (1983). The influence of seaonality of food and rainfall on some aspects of ecology of bats in Entebbe Peninsula, Uganda.

Studies showing correlations between various environmental factors, e.g. rainfall, temperature, photo and others with seasonal fluctuation of various parameters of populations of different living organisms, have been conducted in different parts of the world. In particular, how these factors influence reproductive and breeding cycles and activity patterns have been reported in bats (Marshall, 1947; Mutere, 1967 + 1968; Wimsatt & Trapido, 1952; Okia, 1973; Gaisler, 1973).

Previous work involving mist-netting of bats in the Entebbe Peninsula (Mutere, 1967; Ogen-Odoi, pers. observ.), revealed interesting fluctuations in number of catch and species of bats with seasons. Detailed investigations to determine the nature of the patterns and possible factors involved have not been made. This paper reports the findings of research whose major aim was to understand the possible influences of rainfall and seasonality of food on patterns of foraging and flight activities, spatial dispersion and distribution and species composition of bats in Entebbe Peninsula.

Ognev, S. I. (1927). A synopsis of the Russian bats.

The Russian Chiroptera hitherto have not been well known. Our knowledge has not only been deficient concerning the biology of these interesting mammals, but also as to the number of species found in Russia and their distnbution. K. A. Satunin in his "Conspectus Mammalium Imperii Rossicae" (1914) enumerates thirty-nine species and subspecies of Chiroptera which are found in this country. Nevertheless in Satunin's list it is doubtful whether some of the bats can be regarded even as weak subspecies, for example *Rhinolophus ferrum-equinum colchicus* Satun. and *R. euryale nordmanni* Satun.; the systematic relations of different species of *Barbastella*, etc., are also not clear. If we take into consideration an this the list of bats in Satunin's book must be shortened to thirty-five species and subspecies.

In the interesting little paper by W. L. Bianchi (Notes preliminaires sur les chauve-souris ou Chiroptera de la Russie, Annuaire du Musée Zoologique de l'Académie des Sciences, Petrograd, vol, 21, 1916, pp. lxxiii-lxxxii) thirty-eight species and subspecies of Russian bats are enumerated. If we delete from this list the wrongly included *Otonycteris cinereus* Satunin and *Barbastella walteri* Bianchi, the synopsis contains only thirty-six forms.

Having examined a very considerable collection of bats, I estimate that in Russia (considering the borders as they were at the time of the past Russian Empire) we meet with forty-nine species and subspecies. It is very possible that new investigations will essentially complete this sufficiently long list, in which I have included some quite new species and subspecies.

Three families of these animals are found in Russia, as follows: Rhinolophidae, Vespertilionidae, and Molossidae, the distinctive peculiarities of which are well known.

Okafor, F. C. (1988). *Oochoristica agamae* Baylis, 1919 (Eucestoda, Linstowiidae) in one reptile and two bat species from Nsukka (Anambra State, Nigeria).

The same cestode parasite was recovered from the small intestines of different insectivorous hosts: a lizard *Agama agama*, two bats *Tadarida chaeraphon nigeriae* (Thomas, 1913) and *Hipposideros caffer tephrus* (Cabrera, 1906) at Nsukka. Various measurements and observations on gross anatomy (eg. number and arrangement of the ovary, dimensions of the cirrus sac, etc.) show that all specimens of the parasites belong to the same species. The different hosts feed on a common intermediate host in the same environment which may account for this phenomenon. The prevalence of the worms and the intensity of infection in the three hosts are also presented. There is a significantly high prevalence in the males, but no explanation for this trend is given.

Okia, N. O. (1974a). The breeding pattern of the Eastern Epauletted bat, *Epomophorus anurus* Heuglin, in Uganda.

Continuous monthly observations of the reproductive organs of the Eastern epauletted bat, *Epomophorus anurus*, has revealed its breeding to be cyclic with two distinct breeding seasons separated by about a month. Gestation appeared to last between 5 to 6 months, and occurred from April to September and October to March. Testes were heaviest from February to April and from September to December, and a majority of young bats were caught in late March and early October during the short intervals between breeding. This study supports the findings of earlier workers showing that breeding in tropical fruit bats is seasonal and closely related to rainfall. It further supports an earlier suggestion that this fruit bat is polyoestrous and breeds continuously.

O'Shea, T. J. (1980). Roosting, Social organization and the annual cycle in a Kenya population of the bat *Pipistrellus nanus*.

The tiny (3.1 - 3.8 g) vespertilionid bat *Pipistrellus nanus* was studied in Kenya palm thatched roofs from May 1973 to July 1974. Roosting social organization and related activities and behavior are described. MM held diurnal roosting territories where FF gathered in small and compositionally labile groups, attracted to the most vocal MM. Annual variation in population-wide aspects of social organization follows predictable seasonal changes in climate and predator abundance. Variability between individuals follows a common mamrnalian pattern: high male competition for FF, variance in presumed male reproductive success, and a mating system resembling one based on resource defense polygyny. Social organization in this population contrasts with that known from studies of other *P. nanus* populations.

O'Shea, T. J. and T. A. Vaughan (1980). Ecological observations on an East African bat community.

L'etude de Ia faune de chauves-souris du centre-sud du Kenya a été entreprise de mai 1973 à julllet 1974: vingt-cinq espèces de chauves-souris appartenant à 7 familles ont été collectées; 24 d'entre elles étaient insectivores. Cette faune est pauvre quand on Ia compare aux régions subtropicales en raison de l'absence de non-insectivores. Le nornbre d'espèces et de familles de chauves-souris insectivores, cependant, est presque identique a celui de Costa-Rica où un climat semblable est réparti de manière comparable.

La région subit une saison sèche prolongée de mai à la fin d'octobre, deux saisons des pluies en novembre et en mars-avril, et une saison sèche courte et moins sévère de decembre à fevrier. La

moitié seulement des espèces ont été trouvées au cours de la longue saison sèche et beaucoup entre elles paraissent avoir de faibles densités. On pense que des migrations saisonnières vers des régions où il y a des pluies supplementaires peuvent expliquer ces différences. Toutes les espèces sauf une se reproduisent avec les pluies les plus constantes de novembre, quelques-unes mettent bas au cours de la saison des pluies de mars-avril, mais aucune ne se reprodutt pendant la longue saison sèche. La plupart des résidents annuels se reproduisent seulement en novembre et la plupart de ces espèces qui mettent bas en mars-avril sont probablement migratrices. Celles qu'on croit migratrices ont tendance à donner des portées plus petites.

The bat fauna of a south-central Kenya study area was monitored from May 1973 to July. Twenty-five species of bats in seven families were collected: 24 of these were Insectivores. This fauna is depauperate compared to neotropical areas due to a lack of non-insectivores. The number of species and families of insect eating bats, however, is nearly identical to that found at a Costa Rican site with a similar clirnate sampled in a comparable manner (Laval and Fitch 1977).

The area had a pronounced dry season from May to late-October, two rainy seasons in November and March-April, and a short and less severe dry season from December through February. The maximum number of species was detected from November to May. Only about half of these species were found during the long dry season, and many oft.hose present seemed to occur in lower densities. Seasonal migration to areas with complementary rainfall patterns is suggested to account for these differences. All but one species reproduced with the more predictable November rains, a few also gave birth in the March-April rainy season, but none bred in the long dry season. The annnual residents bred only in November and most of those species which gave birth in March-April were suspected to be migratory. Suspected migrants tended towards smaller litter sizes.

Several foraging-related characters were examined as indicators of food resource partitioning. Aspect ratio was significantly correlated with estlmates of foraging height. It is suggested that all the common non-molossid insectivorous bat species could coexist on the basis of differences in pursuit strategy, prey size, orientation pulses or feeding heights. A greater proportion of migrating species overlap in size during the period from November-May than during the long dry season. This may indicate a greater degree of selective feeding when insect abundance is high, greater partitioning on the basis of size when abundance is low.

Oustalet, E. (1894). Les mammifères et les oiseaux d'Obock et du pays des çomalis, (Première partie).

J'espérais pouvoir apporter aujourd'hui un exposé complet de nos connaissances relatives à la faune des Mammifères et des Oiseaux de la portion de l'Afrique orientale qui comprend le pays des Danakil, notre colonie d'Obock et le pays des Çomalis; mais, comme cela arrive souvent en pareil cas, j'ai reconnu, en rassemblant les éléments de cette étude, que les matériaux à réunir étaient plus nombreux et plus épars que je ne le supposais, que la faune des Vertébrés du Çomal était plus riche que je ne le croyais et que, par conséquent, je n'aurais pas le temps nécessaire pour terminer à la date fixée mon travail dont l'étendue aurait dépassé d'ailleurs les limites qui me sont tracées. Je me bornerai donc aujourd'hui à donner la première partie de mes recherches, celle qui est relative aux Mammifères d'Obock.

Cette colonie a été visitée en 1893 par notre collègue M. le Dr Jousseaume et par M. Maurice Maindron. Le premier de ces voyageurs, tout en s'adonnant de préférence à la recherche des Mollusques, a recueilli pour le Muséum des nids et des oeufs de Balbuzard, de Tisserin, de Fauvette, et M. Maindron a rapporté un assez grand nombre de dépouilles de Mammifères et d'Oiseaux, ainsi que des nids et des oeufs de Tisserin, de Guépier et de Ganga. C'est à l'aide de ces matériaux que j'ai pu dresser les listes suivantes:

Overal, W. L. and L. R. Wingate (1976). The biology of the batbug *Stricticimex antennatus* (Hemiptera: Cimicidae) in South Africa.

A colony of *Stricticimex antennatus* Ferris & Usinger from a bat-roost near Pietermaritzburg. Natal, was estimated to contain more than 50 000 individuals. The bat bugs were observed to feed on *Myotis tricolor, Rhinolophus simulator, R. clivosus, Nycteris thebacia*, and *Hipposideros caffer*. People entering the bat-roost were bitten, and several developed skin sensitivity to the bites. In the laboratory batbugs were ted on rabbits and rats, and round to undergo five nymphal instars. Moulting did not take place in unfed individuals. The aggregating and orientation behaviour of the batbugs in response to simple stimuli is described.

Owen, R. D. and M. B. Qumsiyeh (1987). The subspecies in the Trident leaf-nosed bat, *Asellia tridens*: homomorphism in widely separated populations.

Examined univariate and multivariate morphometric variation in populations of a desert bat, *Asellia tridens*, from most of its range in Africa and Asia. Morphometric and color variation in this species suggest that two distinct taxonomic groups exist. One of these represents at least two widely disjunct populations with a large intervening region occupied by the other morphologically distinct group. The existence of widely separated homomorphic populations may prove to be more common than previously believed in mammalian species with large ranges, and may cause difficulty in recognizing subspecies based on classical taxonomic criteria.

Pagenstecher, H. A. (1885b). Die von Dr. G.A. Fischer auf der in Auftrage des geographischen Gesellschaft in Hamburg unternommenen Reise in das Massai-Land gesammelten Säugethiere.

Die von Herrn Dr. *G. A. Fischer* auf seiner im Auftrage der geographischen Gesellschaft zu Hamhurg im Jahre 1883 in das Massailand ausgeführten Reise gesammelten Thiere und Mineralien sind von der gedachten Gesellschaft als ein höchst dankenswerthes Geschenk dem Naturhistorischen Museum überwiesen worden.

Die Bearbeitung der Reptilien, Amphibien und Fische durch Herrn Dr. *J. G. Fischer* und die der Käfer in der Hauptsache durch Herrn Professor Dr. *Gerstücker* wurden in 1884 bereits so zeitig fertig, dass diese Arbeiten als Beilagen zum Jahresberichte des Museums für 1883 im Jahrbuche der Hamburgischen wissenschaftlichen Anstalten I. Jahrgang erscheinen konnten.

Eine Uebersicht der Vögel hat Herr Dr. *G. A. Fischer* seitdem selbst in der Zeitung für die gesammte Ornithologie 1884 (Budapest) gegeben.

Ueber die Säugethiere soll hier Bericht erstattet werden. Wie mehrfach zu den Vögeln früher gesammelte Stücke, so hat zu den Säugern Herr Dr. *Fischer* den auf Zanzibar erlegten Colobus Kirkii als sein Geschenk beigelegt. Eine annähernd volle Vertretung der Fauna des durchwanderten Gebietes liegt nicht vor. In seiner Reiseskizze hat Dr. *Fischer*" von Säugern als beobachtet noch angeführt Elenantilope, Giraffe, Zebra, gestreiftes Gnu, Warzenschwein, Büffel, Nilpferd, Rhinoceros, Hyaena crocuta, Löwe, Cynocephalus babuin, Hase: als von den Massai zum Mantel benutzt Cercopithecus pygerythrus. Hyrax, "Wildkatze"; (unzweifelhaft Lynx sp.), Leopard: von der Jagd und den Spuren des Elephanten ist die Rede.

Das grosse Wild war besonders reich in den lichten Waldungen und dem Graslande bei Klein-Aruscha, aber die reichste Fauna gab der dichte Wald bei Gross-Aruscha am Maeruberge.

Palmeirim, J. M. (1991). A morphometric assessment of the systematic position of the *Nyctalus* from Azores and Madeira.

The Atlantic archipelagoes of Madeira and Azores both have populations of small *Nyctalus*, which have been described as separate species. But their systematic situation remains unclear because of the difficulty in assigning a taxonomic status to geographically isolated forms, and to the lack of a comprehensive study of the genus. In this paper a comparative craniometric study of all the widely

recognized species of *Nyctalus* is done, and in this context the taxonomic status of *verrucosus* and *azoreum* is assessed. It is concluded that *N. azoreum* from the Azores should be regarded as a separate species, and the Madeiran form, *verrucosus*, as a subspecies of *N. leisleri*.

Les petites noctules-des archipels de Madère et des Acores ont été décrites cornme des espèces différentes. Leur position systématique reste douteuse en raison de la difficulte de classement de formes géographiques isolées et aussi a cause de l'étude insuffisante du genre. Notre étude craniométrique comparative de toutes les espèces qui ont été rapportées au genre *Nyctalus* conduit à la conclusion que la forme *azoreum* des Acores doit être considerée comme une espèce, *N. azoreum*, et que la forme *verrucosus* de Madère peut être considerée comme une sous-espèce de *N. leisleri*.

Panouse, J. B. (1951). Les Chauves-souris du Maroc.

Au Maroc, pays ouvert à l'investigation scientifique organisée depuis un demi-siècle à peine, nos connaissanccs faunistiques comportent de nombreuses et larges lacunes. L'inventaire des formes animales vivant sur le territoire de l'Empire Chérifien et dans les mers qui le bordent, a été entrepris par l'Institut Scientifique Chérifien dès la fondation de ce dernier en 1920. Malgré l'aide apportée par les Services qui, à un titre ou à un autre, s'occupent au Maroc de la vie animale, malgré les recherches effectuécs par les naturalistes sur le matériel récolté, cet inventaire est loin d'être complet. Aussi les zoologistes spécialistes, certains de voir dans un avenir prochain le catalogue des animaux étudiés par eux s'enrichir de formes non encore rencontrées au Maroc ou même entièrement nouvelles pour la Science, sont-ils peu enclins à punlier des mises au point de quelque importance sur leur groupe de prédilection. Le nombre des svstématiciens est très réduit et de tous côtés on leur envoie du matériel: aussi est-il difficile de les blâmer lorsqu'ils hésitent à entreprendre une révision qui s'avérera sûrement incomplète et périmée au bout d'un temps très court.

Il me semble cependant indispensable de présenter dès à présent des mises au point sur les groupes les mieux connus. Combien de fois m'a-t-on posé la question: "Pouvez-vous m'indiquer un travail d'ensemble sur tel ou tel groupe animal existant au Maroc"? Lorsqu'il ne s'agissait pas des serpents ou des poissons d'eau douce, force m'était de répondre par la négative. C'est pourquoi je crois nécessaire la parution de notes destinées à permettre l'identification des principaux représentants de la faune marocaine, notamment des Vertébrés. Pour pouvoir être utilisés par tous ceux qu'intéresse la Nature, ces travaux, ébauche d'une Faune du Maroc, doivent présenter certaines caractéristiques. Les termes techniques utilisés ne doivent pas être trop nombreux: il convient cependant de ne pas tomber dans un excès inverse, car le langage scientifique est seul capable de désigner avec précision et sans ambiguïté certaines structures et certains fails. Les tableuux de détermination doivent être aussi clairs que possible: les caractères qu'ils utilisent doivent pouvoir être facilement appréciés et permettre un choix sans équivoque. Ils doivent être conçus non pour des spécialistes disposant d'une collection de comparaison, mais pour des naturalistes qui désirent simplement nommer un animal rencontré peut-être par hasard. Cela implique une illustration abondante, car une figure décrit souvent mieux et plus qu'un long texte. Toutes ces exigences sont difficiles à réaliser ou même à concilier, mais elles doivent constituer un idéal à satisfaire dans la plus grande mesure possible. Le présent travail sur les Chauves-souris du Maroc est une première tentative dans ce sens.

Je suis heureux de remercier ici tous ceux dont l'aide m'a été précieuse. M. NEMETH s'est chargé de mesurer les Chiroptères des collections de l'I.S.C. M. le Professeur BERLIOZ, Directeur du Laboratoire de Mammalogie du Muséum National d'Histoire Naturelle de Paris a bien voulu me confier des échantillons de la plupart des espèces qui manquent dans les collections de Rahat, M. le Professeur HEIM DE BALSAC, le spécialiste certainement le plus éminent en ce qui concerne les Mammifères d'Afrique du Nord, à bien voulu examiner le manuscrit.

L'illustration est en partie originale, en partie tirée des travaux de CABRERA, MILLER, DIDIER ET RODE et RODE. La plupart des figures ont été dessinées par M. de BRETTES, dessinateur de l'Institut Scientifique Chérifien et la représentation du Grand Rhinolophe est due à M^{me}• Luce de CHAMPRIS.

Panouse, J. B. (1953). Observations sur les chauves-souris du Maroc et addition d'une nouvelle espèce *Myotis mystacinus* (Kuhl 1819) à la faune marocaine.

Depuis la parution, en 1951, de mon travail sur les Chauves-Souris du Maroc, j'ai pu, avec l'aide de correspondants dévoués, recueillir un certain nombre de renseignements nouveaux qui permettent de préciser la répartition de quelques espèces, de confirmer la présence de l'Oreillard par la capture de deux spécimens et enfin d'enrichir la faune du Maroc et même de l'Afrique d'une forme connue jusqu'ici d'Europe et d'Asie. La publication de ces données récentes constitue le but de cette note.

Panouse, J. B. (1958). Présence au Maroc de *Nycteris thebaica*.

Récemment le Docteur BLANC, Directeur de l'Institut Pasteur du Maroc m'a communiqué une chauve-souris qu'il venait de capturer en compagnie de son adjoint, M. ASCIONE. Un bref examen de l'animal me permit de constater qu'il s'agissait d'un *Nycteridae* dont plusieurs autres examplaires furent pris ultérieurement.

Une étude plus précise de ces chiroptères et leur comparaison avec des exemplaires du Museum de Paris m'amènent à considérer qu'il s'agit de *Nycteris thebaica* E. Geoffroy 1813, espèce décrite d'Egypte et fréquente en Afrique noire mais jusqu'ici inconnue en Afrique du Nord, comme d'ailleurs tous les autres *Nycteridae*.

Cette forme est suffisamment connue des spécialistes pour que sans doute une nouvelle description soit pour eux superflue. Mais l'accès aux documents originaux n'est pas toujours facile aux naturalistes amateurs qui lisent ce Bulletin, aussi je crois bien faire en donnant de cette espèce une description sur le type de celles publiées dans mon travail de 1951.

Park, K. J., J. D. Altringham and G. Jones (1996). Assortative roosting in the two phonic types of *Pipistrellus pipistrellus* during the mating season.

The European pipistrelle, *Pipistrellus pipistrellus*, consists of two phonic types that echolocate with frequencies of maximum energy (*FMAXE*) averaging 46 kHz and 55 kHz (named the 45 kHz and 55 kHz phonic types for simplicity). These two phonic types occur in sympatry over much of Britain. Between 1993 and 1995 mating groups of *P. pipistrellus* were located in bat boxes between August and October, the main mating period for these bats. Mating groups comprised a single male and up to three females. Broadband, time-expanded recordings of search-phase echolocation calls were made from bats immediately after release. The average *FMAXE* of each bat was calculated: bats with an *FMAXE* less than 49 kHz were classed as 45 kHz phonic types and bats with an *FMAXE* greater than 52 kHz were classed as 55 kHz phonic types. A total of 16, 45 kHz groups and ten 55 kHz groups were located. No mating group ever contained more than one phonic type, although both types were known to be present at several of the study sites. Males emitted calls of higher frequency than females for both phonic types. The study suggests that the two phonic types are reproductively isolated and supports the hypothesis that *P. pipistrellus* should be considered as two cryptic sibling species.

Parsons, S., C. W. Thorpe and S. M. Dawson (1997). Echolocation calls of the Long-tailed bat: A quantitative analysis of types of calls.

The echolocation calls of long-tailed bats (*Chalinolobus tuberculatus*) were recorded in the Eglinton Valley, Fiordland, New Zealand, and digitized for analysis with signal-processing software. Univariate and multivariate analyses of measured features facilitated a quantitative classification of the calls. Cluster analysis was used to categorize calls into two groups equating to search and terminal-buzz calls described qualitatively for other species. When moving from search to terminal phases, the calls decrease in bandwidth, maximum and minimum frequency of call, and duration. Search calls begin with a steep-downward FM sweep followed by a short, less-modulated component. Buzz calls are FM sweeps. Although not found quantitatively, a broadband pre-buzz group of calls also was identified.

Ambiguity analysis of calls from the three groups shows that search-phase calls are well suited to resolving the velocity of targets, and hence, identifying moving targets in stationary clutter. Pre-buzz and buzz calls are better suited to resolving range, a feature that may aid the bats in capture of evasive prey after it has been identified.

Pedersen, S. C. (1998). Morphometric analysis of the chiropteran skull with regard to mode of echolocation.

I compared simple morphometric data with cephalometric data on the angular arrangements of the facial and neural components of the skull of bats. The morphological dichotomy between oral and nasal emission of the echolocation pulse in the Microchiroptera is presumably under strong selective pressure to provide an acoustical horn for efficient emission of the echolocative call. Cephalometric and morphometric data compliment each other in the distinction between oral and nasal *baupläne*. However, fine taxonomic resolution provided by morphometric data is subject to the otherwise plastic functional matrix of the head conforming to the acoustical axis of the skull.

Perret, J. L. and V. Aellen (1956). Mammifères du Cameroun de la collection J.L. Perret.

Les Mammifères qui font l'objet de cette étude ont été recueillis par l'un de nous (J.-L. P.) dans le sud du Cameroun Français, principalement aux environs de Sangmelima, durant la période 1953 - 1955. Ils sont représentés par 405 spécimens et 91 espèces. Toute la collection est déposée au Muséum d'Histoire naturelle de Genève.

Leur préparation, leur détermination provisoire et les mesures sur le terrain, ainsi que les noms vernaculaires et les indications biologiques sont l'oeuvre de J.-L. P.

La détermination définitive, les mesures craniennes et les discussions taxinomiques sont le travail de V. A.

Cette riche collection apporte peu de formes nouvelles pour le Cameroun, mais son étude permet d'utiles précisions biogéographiques et systématiques. Quelques espèces rares ou peu connues, telles que *Casinycteris argynnis, Miniopterus i. inflatus, Epixerus wilsoni*, etc. y sont représentées.

Sont nouveaux pour le Cameroun Français:
Graphiurus surdus Dollm., *Mus m. musculus* L., *Rhinolophus alcyone* Temm. et *Pipistrellus c. culex* Thom.

Perrin, M. R. (1982). Prey specificity of the barn owl, *Tyto alba*, in the Great Fish River valley of the Eastern Cape Province.

The responses of barn owls preying on a community of small mammals in the Great Fish River valley of the Eastern Cape have been determined by pellet analysis. The species composition of the prey was compared with the results of intensive trapping in adjacent habitat. Differences were apparent and their probable causes are discussed. The age-structure of several prey species found in the pellets was recorded following the establishment of relative age classes based on tooth wear, and interpreted in relation to the theory of prudent predation. There was no common pattern of age specific mortality. It was concluded that prudent and non-prudent behaviour may occur irregularly in space and time in these polyphagous barn owls, since the prey species varied in size and density, and were characterized by different reproductive strategies and survivorship patterns.

Die reaksies van nonnetjie-uile wat jag maak op 'n gemeenskap van klein soogdierspesies in die Groot-Visriviervallei van die oostelike Kaapprovinsie is vasgestel deur ontleding van hul pilvormige onverteerde kosrestes. Die spesiesamestelling van die prooi is vergelyk met die opbrengs van

omvattende valstrikvangste in die naburige habitat. Daar was duidelike verskille en die waarskynlike oorsake daarvan word bespreek. Die ouderdomstruktuur van verskeie prooispesies wat in die uilklonte aangetref is, is na vasstelling van die betreklike ouderdomsklasse volgens tandslytasie aangeteken, en met inagneming van die teorie van selektiewe buitmaak geïnterpreteer. Geen algemene patroon van ouderdomspesifieke sterflikheid is opgemerk nie. Daar is tot die gevolgtrekking gekom dat selektiewe en nie-selektiewe gedrag dalk onder hierdie polifage nonnetjie-uile tegelyk voorkom, aangesien die prooispesies volgens grootte en bevolkingsdigtheid verskil het en gekenmerk is deur verskillende voortplantingstrategiee en oorlewingspatrone.

Peters, W. C. H. (1869a). Ueber neue oder weniger bekannte Flederthiere, besonders des Pariser Museums.

Die Osterferien während des Aprilmonats d. J. habe ich zu einer Reise nach Paris verwandt, um die berühmen reicher Sammlungen des Jardin des plantes zu untersuchen. In Be.ag auf die Säugethiere und Vögel wurde mir mit der größten Liberalität und Gastlichkeit Alles von unserem Mitgliede Herr H. Milne-Edwards zur Dispositions gestellt und hatte ich mich dabei der besonderen Unterstützung des bereits rühmlich bekannten Hrn. A. Milne-Edwards zu erfreuen, während Hr. A. Duméril mir mit der ihm eigenen Liebenwürdigkeit hin..ich der Untersuchung der Amphibien un Fische entgegenkam. Bei der nur kurz zugemessenen Zeit habe ich vielen ununterzucht lassen müssen, nur die Flederthiere, mit deren Monographie ich seit Jahren beschäftigt bin, habe ich vollständig durgehen können, was besonders wegen der dort beßudlichen typischen Exemplare, welche den Publication von Geoffroy St. Hilaire, Fr. Cuvier, Gervais, H. de Saussure u. A. zu Grunde liegen und die z. Th. Noch nicht den neueren Anforderungen entsprechend untersucht worden sind, von Wichtigkeit war. Ich erlaube mir daher hierüber einei meine früheren Mittheilungen über diesen Gegenstand ergänzende Zusätze vorzulegen.

Peters, W. C. H. (1876). Ueber die von dem verstorbenen Professor Dr. Reinhold Buchholz in Westafrika gesammelten Säugethiere.

Indem ich der übernommenen Verpflichtung nachkommen über die von dem Professor Dr. Buchholz gesammelten Säugethiere der Akademie Nachricht zu geben, kann ich dieses nicht thun, ohne das lebhafteste Bedauern über den unerwarteten frühen Tod des rastlos thätigen und ausgezeichneten Forschers zu wiederholen. Obgleich dieser Theil der Zoologie nicht in solchem Maße sein Interesse in Anspruch nahm, wie die Gliederthiere, zeigen doch sowohl seine Sammlungen, wie die brieflich an mich gerichteten Mittheilungen, dass er auch in diesem Zweige mit beschränkten Kräften und Mitteln Bermerkenswerthes geleistet had. Es ist mir daher eine angenehme Pflicht, mit voller Berechtigung hervorheben zu können, dass die dem Verstorbenen bewiesene thätige Theilnahme von Seiten der Akademie un die ihm von dem Curatorium der Humboldt-Stiftung gewährte Unterstützung eine wohlbegründete und wohlverdiente ware. Wen auch die Mehrzahl der in der folgenden Übersiche enthaltenen Arten bereits bekannt waren, haben doch die genauen Nachrichten über ihr Vorkommen in bis dahin wenig oder noch gar nicht erforschten Gegenden ein beseonderes Interesse.

Peters, W. C. H. (1879). Ueber die von Hrn J.M. Hildebrandt während seiner letzten ostafrikanischen Reise gesammelten Säugethiere und Amphibien.

Die meisten der von Hrn. Hildebrandt mitgebrachten Gegenstände stammen von dem Festlande und sind hauptsächlich in den Districten von Taita und Ukamba auf einer Tour von Mombassa nach dem Kenia, der jedoch selbst nicht erreicht wurde, gesammelt.

Peterson, R. L. (1965). A review of the flat-headed bats of the family Molossidae from South America and Africa.

Among the molossid bats. three genera have become adapted for living in the thin crevices of rocks or similar situations and each reflects this adaptation in an extreme tlattening of the skull. To date all three have been quite rare in collections and our knowledge of them quite meagre. *Platymops* is known to occur in the thin crevices between rocks in east Africa. *Sauromys* has been discovered in south Africa underneath stones where scorpions were being sought. The first *Neoplatymops* discovered in British Guiana was also found underneath a stone out in the savannahs. The three genera are rather widely separated geographically and each has fundamentally distinct morphological characteristics which indicate that although related, the relationships among them are not particularly close. The closest affinities with other genera seem to be exhibited by *Sauromys* which cranially resembles a *Tadarida* with an extremely flattened skull, and externally resembles *Mormopterus*. Both *Sauromys* and *Platymops* of Africa share with *Mormopterus* a wide separation of the ears. Which differs from *Tadarida*, but show a relationship with *Tadarida* in the conformation of the palate (both fore and aft). *Platymops* differs in (1) the development of the wart-like granulations on the forearm; (2) the development of gular glands; (3) an extreme antorbital expansion of the lachrymal ridges. a modification undoubtedly associated with the great flattening of the skull; and (4) a reduction of the hypocones of M^1 and M^2. These latter four characteristics are shared with *Neoplatymops* but the South American genus is more distinct from the *Tadarida* line in the conformation of the palate (both fore and aft). The fusion of the premaxillary bones to form a solid palate in *Neoplatymops* appears to represent an intermediate condition between *Tadarida* on the one hand and the *Molossops-Cynomops* complex on the other. While the palate is complete in all *Neoplatymops* known (both juvenile and adult) the spacing between the upper canines would suggest that fusion of the anterior portion of the palate represents a transitional condition moving toward the *Molossops-Cynomops* line. *Neoplatymops* shows other affinities with that line in the shape of the upper incisors which are strongly hooked forward. The conformation of the posterior margin of the palate as well as other details of the skull suggest that *Molossops* could be derived from *Neoplatymops* by the loss of the anterior premolar and one of the lower incisors or that *Cynomops* could be similarly derived by the loss of the anterior premolar and the third commissure of the last upper molar and a corresponding reduction of the posterior lobe of M_3. In each case, however, a deepening of the skull and an expansion of the hypocone of M^1 and M^2 would have to accompany the reduction in dentition along with the loss of the wart-like granulations on the forearm.

The flat-headed rnolossid bats may thus be regarded as three distinct genera with the following forms known at present. The geographic races of *S. petrophilus* are listed provisionally pending a critical review of the species.

Peterson, R. L. (1967). A new record for the African molossid bat *Tadarida aloysiisabaudiae*.

A specimen of *Tadarida aloysiisabaudiae* from Western Uganda, Africa, appears to represent the third known example of this species since its original discovery in 1907 and the first specimen to be collected since 1913. External and cranial measurements agree closely with the type specimen. It is compared with *Tadarida bivitata* and confirmed as a distinctively different species. The lateral view of the lower jaw and anterior aspect of the upper and lower canines and incisors are illustrated for the first time.

Peterson, R. L. (1969). Further notes on the African molossid bat *Tadarida aloysiisabaudiae*.

Four additional specimens of *Tadarida aloysiisabaudiae* are recorded. bringing the total known number to seven. Two are fully adult males, the first known. Sexual dimorphism is described and illustrated in the relative sizes of the anterior premolars. The conformations of the basisphenoidal pits are described and their taxonomic value discussed. *Tadarida russata* is shown to be the closest known living relative, differing primarily in relative size (shorter skull and forearm length), and its only known locality is mapped along with those of *T. aloysiisabaudiae*.

Peterson, R. L. (1971a). The African molossid bat *Tadarida russata*.

Five specimens of *Tadarida russata* obtained from Cameroun, West Africa, appear to be the first collected since the original series was obtained in 1910 from near Medje, Congo. Both the new and the original specimens were taken along the junction of the so-called "high forest" and "Guinea forest" zones but some 1200 miles apart. The Cameroun specimens were compared with the original type series and additional morphological data provided as well as the illustrations of facial and cranial features. *T. bivittata*, of similar size, is shown not to be closely allied with *T. russata* nor any member of the subgenus *Chaerephon*. *T. russata* is closely related to *T. aloysiisabaudiae* but differs in size, skull proportions. and details of the basisphenoid pits.

Peterson, R. L. (1971b). Notes on the African long-eared bats of the genus *Laephotis* (family Vespertilionidae).

The third known specimen of *Laephotis wintoni* is compared with the other two known examples, and morphological details are analyzed and compared with examples of *Laephotis angolensis*. Details of the face and ear of *L. wintoni* are illustrated, and photographs of the skulls of both species are provided for the first time.

Peterson, R. L. (1971c). The systematic status of the African molossid bats *Tadarida bemmeleni* and *Tadarida cistura*.

Twenty-four specimens of *Tadarida bemmeleni*, collected in Cameroun in 1970, to be the first taken since the holotype was collected in 1875 from Liberia. Morphological comparisons with *T. cistura* from East Africa indicate that the two taxa are subspecies of the same species. Systematic relations, and sexual variation, as well as ecological notes, are provided. The facial feautures, caudal glands, ridges, and cranial details are illustrated for the first time.

Vingt-quatre spécimens de *Tadarida bemmeleni* recueillis au Cameroun en 1970 semblend être les premiers qui aient été pris depuis que l'holotype a été recueilli au Liberia en 1875. Des comparaisons morphologique avec *T. cistura* de l'Afrique de l'Est indiquent que les deux taxa sont des sous-cspcccs de la même espèce. Les relations systématiques, la variation sexuelle ainsi que des notes écologiques sont données. Les traits faciaux, les glandes caudales, les rides palatales et certains détails du crâne sont illustrés pour la première fois.

Peterson, R. L. (1972). Systematic status of the African molossid bats *Tadarida congica*, *T. niangarae* and *T. trevori*.

A series of *Tadarida congica*, including the first known males, is the first to be reported since the species was originally described from Medje, Congo (now Zaire) by J. A. Allen in 1917 and extends the known range of the species in Africa from Uganda to Cameroun. *T. niangarae* is considered to be a synonym of *T. trevori*, and an earlier report of *T. trevori* from Garamba Park, Congo (Zaire), is shown to be erroneous and to be of *T. aloysiisabaudiae*. Morphometric data from *T. congica* and *T. trevori* are analyzed and compared by sex and age, and the taxa are shown to be distinct but related species. Sexual dimorphism and variation with age are analyzed in both species. The relationships of *Tadarida congica* and *T. trevori* with *T. aloysiisabaudiae, T. anchietae, T. brunnea*, and *T. midas* are discussed, and distinguishing characters are provided for each taxon. Facial characters, the upper right third molar, postpalatal features, and the arrangements of the ridges of the soft palate are illustrated for the first time.

Une série de *Tadarida congica*, comprenant les premiers mâles connus, se trouve actuellement dans le Musée Royal de l'Ontario. Elle est la première à être signalée depuis que l'espèce fut decouverte à Medje au Congo (maintenant Zaire) et fut décrite par J. A. Allen en 1917. L'aire connue de cette espèce s'étend maintenant en Afrique de l'Uganda au Cameroun. *T. niangarae* est considéré comme

synonyme de *T. trevori*. Dans une rapport précédent une espèce trouvee au Parc Garamba, Congo (Zaire) fut identifiée par erreur comme *T. trevori* alors qu'elle était en fait *T. aloysiisabaudiae*. Les données morphométriques de *T. congica* et *T. trevori* sont analysées et sont comparées par le sexe et par l'âge, et on demontre que les taxa sont les espèces distinctes mais apparentées. Le dimorphisme sexuel et la variation de l'âge sont analysées dans les deux espèces. Les parentés de *T. congica* and *T. trevori* avec *T. aloysiisabaudiae, T. anchietae, T. brunnea* et *T. midas* sont déliberés et des caractères distinctifs sont donnés pour chaque taxon. Les physionomies, les molaires troisièrnes supérieures à droite, les traits postpalatales, et les disposition des crêtes du voile du palais sont illustrées pour la première fois.

Peterson, R. L. (1973). The first known female of the African long-eared bat *Laephotis wintoni* (Vespertilionidae: Chiroptera).

A subadult *Laephotis wintoni* Thomas taken west of Mount Kenya in Kenya on 22 June, 1972, represents the fourth specimen and the first known female of that taxon. Measurements are compared with those of three males, and systematic relations within the genus are discussed. The soft palate is illustrated for the first time.

On a capturé un *Laephotis wintoni* Thomas subadulte, a l'ouest du Mont Kenia, au Kenia, Ie 22 juin 1972; ceci représente Ie quatrièrne spécimen et la première femelle connue de cette espèce. On en compare les mensurations avec celles des trois mâles et on discute des relations systématiques au sein de ce genre. On donne ici, pour la première fois, une illustration du voile du palais chez cette espèce.

Peterson, R. L. (1974). Variation in the African bat, *Tadarida lobata*, with notes on habitat and habits (Chiroptera: Molossidae).

Known specimens of *Tadarida lobata* are increased from three to 23 with the addition of a specimen from the Kapenguria area about 80 km SSW of the type locality in northwestern Kenya, and a series of 19 specimens from Maungu Hill in southeastern Kenya. Statistical comparisons of adults of the latter series showed sexual dimorphism in 14 of 23 cranial characters but none in external features. The white interscapular spot is shown to be characteristic of *T. lobata* and may be associated with a glandular area of the skin that is best developed in adults. The palatal ridges number six, the last ridge extending posterior to the level of M^2. Field observations indicate that *T. lobata* emerge late and are most active around midnight. They are fast, solitary flyers and apparently feed high above the ground.

Peterson, R. L. (1982). A new species of *Glauconycteris* from the east coast of Kenya (Chiroptera: Vespertilionidae).

A unique specimen of *Glauconycteris* differs from any known species of bat in colour. facial markings. and cranial characteristics and is diagnosed as a new species.

Un spécimen unique de *Glauconycteris* diffère de toutes les espèces connues de chauves-souris par sa coloration, les marques de sa face et ses caractéristiques crâniennes; on y reconnait une nouvelle espèce.

Peterson, R. L. (1987). Notes on systematic variation in the *nanus* group of African *Pipistrellus*.

The *nanus* group shares the following characters; a distinctive "hatchet" shaped tragus; a more-or-less elevated frontal: I1 usually weakly bifid; I2 relatively long; anterior upper premolar moderate in size; C

and P4 usually separated by a space, mensural data have been subjected to various multivariate statistical analysis programs in an attempt to clarify the taxonomic status of the taxa that are allied in this group. *Pipistrellus nanus* (Peters, 1852) is widespread across central Africa. *P. minusculus* (Miller, 1900) includes *P. fouriei* (Thomas, 1926) and *P. culex* (Thomas, 1911). *P. helios* (Heller, 1912) is widespread. *P. musiculus* (Thomas, 1913) appears valid but is known only by the type series from Cameroun. *P. n. australis* (Roberts, 1913) is an invalid name but is a valid taxon which we propose to rename as a distinct species that is occasionally sympatric with *P. nanus*.

Peterson, R. L., J. L. Eger and L. Mitchell (1995). Faune de Madagascar: Chiroptères.

Notre connaissance de la faune des Chauves-Souris malgaches ne s'est développée qu'assez lentement depuis que E. Geoffroy a décrit le *Pteropus rufus* en 1803.

Quelque soixante-cinq ans plus tard, on ne connaissait encore guère que six espèces de la région, une ou deux d'entre elles n'étant même citées que de la Réunion. Ces espèces étaient énumérées par Pollen et van Dam (1868) à l'occasion d'une étude sur divers Mammifères et Oiseaux de Madagascar: il s'agissait de:
Pteropus dupreanus (= *Eidolon dupreanum*), pp. 13, 164, 172.
Pteropus edwardsi (= *P. rufus*), pp. 25, 164, 172.
Taphozous leucopterus (= *T. mauritianus*), p. 26.
Dysopes (= *Mormopterus*), pp. 26, 164 (la Réunion), 172.
Vespertilio ? (la Réunion), p. 164.
Rhinolophus commersonii (= *Hipposideros c.*), p. 172.

La plupart de ces espèces et de celles qui ont été découvertes, par la suite, de Madagascar, proviennent de petites collections occasionelles, ne permettant pas d'étudier leurs véritables relations avec des taxa semblables d'autres provenances. L'examen des principales collections mondiales confirme la rareté des spécimens de Chauves-Souris d'origine malgache possédant une provenance précise. La plupart d'entre eux ont été réunis à l'occasion de recherches faunistiques de caractère général ou à la suite de la rencontre accidentelle d'individus isolés. La plus importante et la plus complète des collections de Chauves-Souris malgaches existant avant nos recherches personnelles, était sans doute celle de G. Grandidier, qui vécut plusieurs années à Madagascar. Sa collection, acquise par le Musée de Zoologie comparée de Harvard, vers 1957, n'a été disponible pour l'étude que vers 1979. G. Grandidier, qui a décrit *Triaenops aurita* (1912), *Rousettus madagascariensis* (1929) et *Nycteris madagascariensis* (1937), était le fils du célèbre explorateur et naturaliste A. Grandidier qui travailla longtemps à Madagascar et décrivit, pour sa part, *Mops miarensis* (1870) et, avec A. Milne-Edwards, *Myzopoda aurita* (1878).

La révision la plus récente de la faune malgache de Chiroptères est due à J. Dorst (1947) qui a publié aussi une révision du genre *Triaenops* (1948b) et a décrit *Otomops madagascariensis* (1953).

En 1967, le premier auteur du présent ouvrage eut la chance de pouvoir mener une courte étude, intensive, de la faune malgache, avec la généreuse coopération des autorités malgaches et des responsables du Centre O.R.S.T.O.M. de Tananarive. Avec le concours compétent de MM. John Williams d'Oakharn, Leics., Angleterre et Robert Glen, de Nairobi, et de Madame Noreen Curry, à l'époque de Winnipeg, Manitoba, Canada (actuellement en Californie), nous avons pu récolter assez d'exemplaires de plusieurs taxa pour être en mesure d'entreprendre une étude précise de leurs rapports systématiques.

Mais, une fois cette étude engagée, il apparut que la position systématique des taxa les plus proches, se retrouvant ailleurs, était, elle aussi, peu ou mal comprise ou même inconnue. Il devint, par suite, nécessaire d'étendre nos recherches bien au-delà des limites de Madagascar pour éclairer les affinites systématiques et zoogéographiques complexes, surprenantes, hautement intéressantes, de plusieurs formes.

Dans un certain nombre de cas, c'est le taxon malgache qui a fourni la clef des affinités existant entre taxa vivant en Afrique, en Asie ou ailleurs.

Plusieurs taxa malgaches restent encore insuffisamment connus et il faudra attendre qu'un matériel et une information plus riches soient réunis avant de pouvoir en entreprendre une étude satisfaisante. Le présent travail s'efforce de rassembler toute l'information disponible pour fournir la base des travaux futurs.

On sait, depuis longtemps, que la faune des Chiroptères malgaches est constituée par un mélange de formes à affinités zoogéographiques et systématiques différentes, avec des éléments endêmiques et d'autres liés aux faunes africaines, asiatiques ou pacifiques. Nous essaierons de préciser ces affinites, là où le matériel s'a vèrera suffisant.

Dans ce travail, nous essayons de combiner les résultats fournis par notre expérience personnelle, l'examen d'exemplaires vivants, la préparation et la récolte de spécimens destinés à la recherche, la description systématique traditionnelle et une étude statistique faisant appel à l'ordinateur et en utilisant des programmes de regroupement.

Peterson, R. L. and D. L. Harrison (1970). The second and third known specimens of the African molossid bat, *Tadarida lobata*.

A specimen of *Tadarida lobata* (Family Molossidae) from Salisbury, Rhodesia, in the David L. Harrison Collection and one recently taken on the Oxford University Expedition to the Cherangani Hills, Kenya, 1969, represent the second and third known examples of this species, originally described in 1891 from Turkwell, Suk, northwestern Kenya. The species is illustrated, and its pelage colour described for the first time. Photographs of the skin and skull are provided. Comparative measurements and discussion of taxonomic characteristics and systematic relationships are included.

Peterson, R. L. and D. W. Nagorsen (1975). Chromosomes of fifteen species of bats (Chiroptera) from Kenya and Rhodesia.

Karyotypes of 15 species of African Chiroptera (*Epomops franqueti, Epomophorus crypturus, E. gambianus, E. wahlbergi, Nycteris thebaica, Hipposideros caffer, Rhinolophus hildebrandti, R. darlingi, R. denti, Pipistrellus nanus, Eptesicus hottentotus, E, capensis, Scotophilus nigrita, Tadarida bivittata*, and *T. fulminans*) were studied. An XO male sex chromosome system was discovered in *E. crypturus* and *E. gambianus*. Distinctive marker chromosomes occurred in 14 species.

Peterson, R. L. and D. A. Smith (1973). A new species of *Glauconycteris* (Vesptertilionidae, Chiroptera).

In a systematic study of the African genus *Glauconycteris* Dobson, we have found a series of white-winged specimens that represent a new species that has not been previously described. The genera (or subgenera) *Chalinolobus* Peters of the *Australasian* region and *Glauconycteris* from Africa are closely related as discussed by Dobson (1875, 1878), Miller (1907), Ryan (1966), Hayman (1967), Hayman and Hill (1971), and Koopman (1971). Arguments have been advanced that all species belong to one genus (*Chalinolobus*), that the two should be considered subgenera, or that generic distinction should be retained for the two taxa, an option that has been widely followed in recent years. We tentatively recognize *Glauconycteris* as a genus pending the results of our own analysis of variation within each of the African species, now in progress.

We have compared the new taxon with all previously described species of *Glauconycteris*, but in our opinion, it needs critical comparison only with *G. argentata* (Dobson) and *G. variegata* (Tomes) as it differs so distinctly either in size or in pelage and wing coloration (or both) from all other known species. We are pleased to name this new species after Mr. Robert Glen, Nairobi, Kenya, who collected the holotype, assisted in the collection of the Uganda series of the new species, and who has been a field companion *extraordinaire*.

Pettigrew, J. D. (1991a). Wings or Brains? Convergent Evolution in the Origins of bats.

On the Monopophyly of bats .....

Pettigrew, J. D. and J. A. W. Kirsch (1998). Base-compositional biases and the bat problem. I. DNA-hybridization melting curves based on AT- and GC-enriched tracers.

We explored the interordinal relationships of mammals using DNA - DNA hybridization, with particular reference to the much-debated problem of whether the megabats and microbats are more closely related to each other than the megabats are to primates. To try to improve resolution when taxa are distantly related and the melting points of hybrids are low and difficult to distinguish, we increased the GC content of DNA by a fractionation method that used the same melting-point apparatus used in the hybridization studies. When we used GC-rich DNA as the tracer to make hybrids, the melting point of the self-hybrid shifted to a higher temperature as expected, but the behaviour of heterologous hybrids varied with the taxa being compared. When the melting point of the heterologous hybrid also shifted to a higher temperature so that the two compared taxa maintained the same or proportional distance, we called this 'following behaviour', because the heterologous hybrid made with GC-rich tracer 'followed' the GC-rich self-hybrid to higher temperatures, We also commonly saw anomalous behaviour, where the melting point of the heterologous hybrid shifted to a lower temperature when compared with an AT-rich hybrid. In these anomalous cases, the distance measured between the taxa increased markedly as a result of GC-enrichment, indicating that an underestimate of distance may have resulted from AT bias in DNA. This inference was supported by the finding that it was rare to observe a decrease in measured distance between taxa using GC-rich DNA, but very common to find an increase as would he expected from the generally higher AT contenls of eutherian DNAs. Moreover, the most extreme cases, where distances changed most using GC-rich DNA, were usually those involving comparisons between taxa known to have the most extreme AT-biases arnong mammals, such as the megabats and rhinolophoid (including megadermatid) microbats. Our results show consistent underestimates of measured differences between eutherian taxa with extreme AT-biases.

Pienaar, U. de V. (1964). The small mammals of the Kruger National Park - A systematic list and zoogeography.

The Kruger National Park, covering some 7,340 square miles in the north-eastern Transvaal Lowveld between 22° 25' to 25° 32' latitude south and 30° 50' to 32° 2' longitude east, forms an integral part of the southern savanna subregion of the great Aethiopian geographical region south of the Sahara (Darlington '57).

The secondary subdivision by Roberts (1951) of the primary biotic zones in Southern Africa into a number of secondary zoogeographical sub-zones acquires significance in an analysis of the distribution patterns of small mammals in the Kruger National Park and elsewhere. The area under consideration lies in what is designated by Roberts as the Eastern Low Country, with its inherently distinctive fauna and flora.

Although the Lebombo mountain range, forming the eastern boundary of the Park can not be regarded as a faunal barrier in the true sense of the word, it does exclude from the Transvaal Lowveld faunistically as well as florislically, a number of species which are essentially endemic to the eastern tropical littoral. At two points among the boundary line, however, an encroaching sandveld plateau from Moçambique carries with it a number of inhabitants of this zone into the extreme eastern sections of the Park (Pienaar, 1963).

Similarly, marginal encroachment of other typical inhabitants of the Natal and south-eastern Transvaal midlands, as well as the Eastern Transvaal forested area on the eastern side of the Drakensberg escarpment, is evident in the south-western portion of the Park.

As a broad basis for understanding the diversified faunal patterns of the Transvaal Lowveld, these subdivisions of biotic zones are important, but an interpretation of the individual distribution pattern of each small mamrnal species in the precincts of the area under discussion, and within the primary biotic zone, can only be sought in their specific habitat preferences.

Pienaar, U. de V. (1972). A new bat record for the Kruger National Park.

The first record of the Midas bat, *Tadarida (Mops) midas midas* (Sundevall), a large, tropical species of free-tailed bat, is noted from the vicinity of Skukuza, and it is also the first specimen of this species for South Africa.

Pierquin, L. (1960). Note complémentaire sur les tiques du Congo belge et du Ruanda Urundi.

L'auteur a examiné un lot de tiques provenant de diverses régions du Congo belge et du Ruanda-Urundi. Dans la présente note, il commente les acquisitions récentes dans la littérature, met à jour le répertoire qui comporte, sur un total de 67 espèces, 62 au Congo belge et 29 au Ruanda-Urundi, soit 24 communes aux deux pays; il termine par une liste des localisations nouvelles, en y incorporant ses propres identifications.

Pierquin, L. and K. Niemegeers (1957). Répertoire et distribution géographique des tiques au Congo belge et au Ruanda-Urundi.

Les auteurs ont dressé le répertoire des différentes espèces de tiques signalées pour le Congo belge et le Ruanda-Urundi, la distribution géographique de chacune d'elles, et la bibliographie complète des travaux les concernant.

Les auteurs se sont abstenus de prendre parti en faisant cette synthèse des publications sur la distribution géographique des tiques. Une étude critique dépasserait le but qu'ils se sont fixé, notamment de faire le point des connaissances actuelles, base de départ pour des travaux futurs.

Sur les 128 publications citées dans la bibliographie, 91 ont été consultées par les auteurs. Parmi les 37 publications non consultées, 24 sont antérieures à 1931, les renseignements qui s'y trouvent sont donc repris dans le "Synopsis" de BEQUAERT 1931. Quant aux 13 publications postérieures à 1931 et non consultées, elles concernent souvent des points litigieux repris par H. HOOGSTRAAL ou G. THEILER.

Il est remarquable qu'en reportant tous les lieux de récolte de tiques, renseignés dans la littérature, sur une carte du Congo belge et du Ruanda-Urundi, on arrive à couvrir la presque totalité de ces territoires.

Que les régions du Bas-Congo et du Kivu aient été plus fréquemment prospectées que la province de l'Équateur et que le Nord du Kasai, est fort compréhensible. Dans l'ensemble cependant, si l'on tient compte du fait que les premiers chercheurs récoltaient tout ce qu'ils trouvaient, sans viser plus spécialement une espèce plutôt qu'une autre, on peut admettre que nous avons une vue assez précise de la fréquence des espèces.

En ce qui concerne la distribution géographique, les espèces qui sont en nombre suffisant et bien localisées ont été reprises sur les cartes 1, 2 et 3. Pour d'autres espèces, le nombre de spécimens trouvés est trop peu élevé pour qu'il puisse être tiré des conclusions. Enfin, certaines espèces sont réparties sur l'entièreté des territoires.

Le présent travail ne se prête pas à être autrement résumé, et le lecteur interessé est invité à se référer au texte original.

De schrijvers hebben een tabel opgemaakt waarin de verschillende soorten teken opgesomd worden die in Belgisch-Congo en Ruanda- Urundi gevonden werden; tevens wordt de geografische verspreiding gegeven en een volledige bibliografie over de teken.

Zij geven een objektieve samenvatting van de publicaties handelend over de geografische verspreiding van de teken zonder echter zelf stelling te nemen. Het lag niet in hun bedoeling hier over een kritische studie te maken maar wel al wat tot nu toe hierover gekend is samen te brengen als basis voor latere opzoekingen.

De bibliografie citeert 128 publikaties, daarvan hebben de schrijvers er 91 bestudeerd. Onder de 37 niet geconsulteerde werken, zijn er 24 die dateren van voor 1931 en waarvan derhalve de gegevens te vinden zijn in de "Synopsis" van BEQUAERT (1931, 5). De 13 publikaties van na 1931 die niet geraadpleegd werden, handelen meestal over twistvragen die uitvoerig behandeld werden door H. HOOGSTRAAL en G. THEILLER.

Het is merkwaardig dat wanneer men alle vindplaatsen van teken, zoals zij opgegeven zijn in de litteratuur op een kaart van Belgisch Congo en Ruanda-Urundi aantekent, bijna alle gewesten aangestipt worden.

Dat de streken van Neder-Kongo en Kivu veelvuldiger geprospekteerd werden dan de Evenaarsprovincie en het noorden van Kasai is zeer begrijpelijk. Maar als men rekening houdt met het feit dar de eerste onderzoekers alles noteerden wat zij vonden, zonder voorkeur voor een bijzondere soort, dan mag men aannemen dat wij aldus ook een vrij nauwkeurig overzicht hebben van de frekwentie van de soorten.

Wat de geografische verspreiding aangaat werden de soorten, die een voldoende aantal malen gevonden werden en waarvan de vindplaars nauwkeurig opgetekend werd, weergegeven op de kaarten.

Voor andere soorten kan men wegens het te kleine aantal gevonden specimen geen besluit nemen. Tenslotte zijn bepaalde soorten over het gehele gebied verspreid.

Pine, R. H. (1993). A new species of *Thyroptera* Spix (Mammalia: Chiroptera: Thyropteridae) from the Amazon basin of northeastern Perú.

A new and large species of disk-winged bat of the genus *Thyroptera* Spix, sympatric with *Thyroptera tricolor* Spix, is named and described from the Departamento de Loreto, Peru. Morphological characters separating the new species from currently recognized species of *Thyroptera* are presented and characters which have been previously used to characterize these latter species are discussed and evaluated.

Une nouvelle et grande espèce de chauve-souris du genre *Thyroptera* Spix, sympatrique de *Thyroptera tricolor* Spix, est nommée et décrite du departernent de Loreto, Perou. Les caractères morphologiques qui separent la nouvelle espèce des espèces de *Thyroptera* actuellement reconnues sont présentés et les caractères qui étaient utilisés pour caractériser les espèces de ce genre sont discutés et evalués.

Poché, R. M. (1975). The bats of the National Park W, Niger, Africa.

Quinze espèces de Chiroptères ont été collectées dans Ie Parc National du W au Niger. Elles appartiennent à une famille de Mégachiroptères (1 espèce) et à sept familles (10 genres) de Mlcrochiroptères. Pour chacune l'auteur donne des précisions portant sur la reproduction, la répartition géographique et d'autres aspects de la biologie, ainsi que les mesures corporelles et crâniennes comparées à celles de spécimens de régions voisines.

This paper documents the first chiropterans collected from Niger's National Park W. A total of 15 species representing one family of Megachiroptera (1 species) and seven families (10 genera) of Microchiroptera was netted. Reproduction, geographic distribution and other aspects of the biology of each species are noted. Body and cranial measurements are recorded and compared with representatives from neighboring countries.

Pocock, R. I. (1935). The mammals collected in S.E. Arabia by Mr. Bertram Thomas and Mr. H. St. J. Philby.

Provisionally nominal lists of the mammals forming the subject-matter of this paper were published by my colleague, Capt. J. G. Dollman, in Mr. Bertram Thomas's 'Arabia Felix,' pp. 339 - 341, 1932, and in Mr. H. St. J. Philby's ' The Empty Quarter,' p. 394, 1933. But more detailed examination of the material and closer comparison of it with the skins and skulls of the same species already preserved in the British Museum, from Arabia and the adjoining countries of Asia, brought to light a number of unrecorded facts, showing that both the collections were instrumental in adding very considerably to our knowledge of the mammal fauna of south-western Asia.

Although Mr. Bertram Thomas secured a larger number of species and the representatives of all the new forms described, Mr. Philby's series is particularly valuable for the careful preparation of the skins, with a complete record of their flesh-measurements, localities, and dates. Only those who have had actual experience in the field can appreciate the time and labour expended over these processes. All the flesh measurements quoted were taken from his labels.

Poll, M. (1939). Mammifères de la région de Rutshuru recoltés par M.J. Ghesquière.

Dans deux articles successifs, le Dr. H. SCHOUTEDEN a eu l'occasion, dans cete Revue (*Rev. Zool. Bot. Afr.*, XXV, 3, 1934. et XXVI, 2, 1935) de décrire une première liste de Mammifères connus du Secteur méridional (Volcans) et du Secteur septentrional (plaines du lac Edouard) de la région située entre les lacs Kivu et Edouard et notamment du Parc National Albert.

Ces listes, déjà longues, donnaiend 65 espèces pour le Secteur méridional (où le Dr. SCHOUTEDEN lui-même fit des récoltes au cours d'un bref séjour en 1926) et 49 espèces pour le Secteur septentrional: soit au total 95 noms différents.

Pendant son séjour au Parc Albert, en 1933-35, M. DE WITTE a pu y réunir une collection de Mammifères à laquelle M. S. FRECHKOP a recemment consacré une étude dans laquelle 85 espèces sont signalées comme probables pour le Parc (*Institut des Parc Nationaux du Congo Belge. Exploration du Parc National Albert*, mission G. F. DE WITTE (1933, 1935). Fasc. 10. Mammifères. Bruxelles 1938.

Ainsi qu'en témoigne la série de Mammifères que M. J. GHESQUIERE a bien voulu envoyer au Musée du Congo Belge durant les années 1937 - 1938, il est encore possible d'allonger la liste des Mammifères de la région. Sur un total de 45 espèces réunies pare lui en région de Rutshuru, 8 espèces ne sont pas mentionnées dans les listes publiées par M. SCHOUTEDEN, et 10 ne figurent pas dans celle de M. FRECHKOP.

La région d'où proviennent les Mammifères envoyés par M. GHESQUIERE; c'est-à-dire la région de Rutshuru doit évidemment se rattacher en son ensemble au point de vue faunistique au Secteur septentrional du Parc Albert: M. SCHOUTEDEN l'a déjà indiqué, en signalant toutefois ainsi que je dis également le faire, que certaines localités ou zones se rattachen au contraire au fascies du Secteur méridional, montagneux.

Il m'a paru intéressant de donner l'inventaire complet de la collection de M. GHESQUIERE. Elle apporte, en effet, une contribution importante à la faune de la région. On notera cependant que M. GHESQUIERE s'est moins intéressé à la récolte des grands Mammifères, plus fréquemment rapportés, ainsi que

précisément le note M. SCHOUTEDEN. C'est ainsi que sa collection ne renferme qu'une seule Antilope et qu'il n'a pas rapporté des types fréquemment vus, tes les Topi, le Waterbuck, etc. De même le Lion, fréquemment noté par lui, notamment à 8 kms. de Rutshuru et en direction de Ngoma ne figure pas dans la liste des espèces récoltées, pas plus que l'Hyène, vue à deux reprises à Rutshuru même, le Léopard, noté entre Rutshuru et Ngoma, la Loutre à gorge tachetée, *Lutra maculicollis* commune à 17 kms. de Rutshuru et à 18 kms. vers l'intérieur à l'est de la route de Rutshuru à Ngoma, ni enfin la Phacochère, vu à 20 kms. au nord de Rutshuru.

Poulet, A. R. (1970). Les Rhinopomatidae de Mauritanie.

Des chauves-souris de la famille des Rhinopomatidae ont été capturées à Akjoujt (Mauritanie).

L'étude des mensurations corporelles a permis d'identifier *Rhinopoma microphyllum* Brunnich et *Rhinopoma hardwickei* Gray.

Les deux espèces vivent ensemble dans des grottes et des galeries de mines désaffectées.

R. microphyllum est déjà connue de l'Adrar mauritanien. *R. hardwickei*, signalée dans l'Air, est une espèce nouvelle pour la Mauritanie

Bats of the family Rhinopomatidae were captured at Akjoujt, Mauritania. *Rhinopoma microphyllum* Brünnich and *Rhinopoma hardwickei* Gray were identified by their body measurements. These two species live side by side in caves or in released mine galleries. *R. microphyllum* is already known from Adrar; *R. hardwickei*, previously reported from Aïr, is a new species for Mauritania.

Poulet, A. R. (1972). Recherches écologiques sur une savane sahelienne du Ferlo Septentrional, Senegal: Les mammifères.

Twenty eight species of wild mammals have been observed in the 100 km^2 area surrounding the 1 Km^2 reference quadral of Fété-Olé. Six other species have been found in similar habitats in the immediate vicinity and their occasional occurrence in the study area is theefore probable. During the last century most of the wild ungulates (and one large carnivore, the lion) have disappeared from the Ferlo and have been replaced by the cattle herds of nomadic Fulani tribesmen.

Taterillus pygargus is the commonest terrestrial rodent in the area. After a short period of juvenile nomadism (dispersion phase of the population) adults settle for life on very small home ranges. That of an adult female averages 300 m^2, and that of an adult male 1100 m^2. The home-range of an adult male overlaps those of several adult females. Gestation lasts 3 weeks and the most frequent litter size is 4 young. A female may have a litter every 6 weeks changing its burrow each time. However births only take place after the rains, from November to March. The population turnover is high, mortality rate among adults averaging 25 % per month. Data are given on population fluctuations over two consecutive years. Reproduction in a given year is strongly influenced by the importance of the previous rains. On quadrat QR, production (fresh weight was 392.8 g/ha in 1969-70 after "normal" rains, and only 12.1 g/ha in 1970-71 after sub-normal rains. On quadrat QF, the respective figures were 599.0 g/ha in 1969-70 and 63.6 g/ha in 1970-71. A first estimation of seeds is made: out of the 60 Kg/ha produced, 2.1 to 6.6 Km/ha are consumed by this species alone.

Püscher, H. (1972). Über die Schultertaschen von *Epomophorus* (Epomophorini, Pteropodidae, Megachiroptera, Mammalia).

Die Präparation der Kopf-Hals-Gegend mehrerer Vertreter der Tribus Epomophorini, Pteropodidae, ergab, daß eine spezielle Muskulatur vorhanden ist, die auf die Beweglichkeit der Tasche Einfluß nimmt. Ein Teil dieser Muskulatur leitet sich vermutlich von den Muskeln des Propatagiums ab.

Die histologische Untersuchung der Schultertaschen zeigte, daß sie keine speziellen Hautdrüsen enthalten und daher die Bezeichnung "Drüsentasche" nicht zutreffend ist.

Summary

Studies on the Shoulder Pouches in some Epaulet Bats

The region of the Shoulder pouches has been dissected in some epaulet bats. There are special muscles which can move the dermal pouch. It is supposed that these muscles may be derived from the musculature of the propatagium.

The skin of the shoulder pouch has been studied histologically, but no special cutaneous glands have been found, whereas a reduction of the sabaceous glands can be seen.

Pye, J. D. (1972). Bimodal distribution of constant frequencies in some hipposiderid bats (Mammalia: Hipposideridae).

Constant frequency echolocation signals of the Rhinolophidae and Hipposideridae have generally been found to occupy narrow bands, at least within single populations. Examination of three species of Hipposideridae from a cave in Kenya shows a wide spread of frequencies in each case. In *Hipposideros commersoni* the pulses occur in two bands at 56 and 66 kHz with a silent interval of 8 kHz. Single individuals in isolation use only one of these frequencies and this is correlated with their forearm length. It may be that two forms of subspecific rank were cohabiting, but it may be significant that the width of the silent band is just wide enough to prevent interference from band-spreading due to reflection from beating wings when several bats are flying together. In *Triaenops afer* and *Hipposideros caffer* there is a suggestion that the bats leave silent bands when in groups but use more varied individual frequencies when isolated. This impression might be due to sampling error and the position is little clarified by examining other populations. A group of *Asellia tridens* from Egypt occupied a single, fairly narrow band of frequencies. Further examination of these and other constant frequency species with a simple detector would be of interest in resolving the position.

Qumsiyeh, M. B. (1985). The bats of Egypt.

Egypt occupies the northeastern portion of Africa and provides the major connection between the land masses of Africa and Asia. As such, this area is an important connection between the Palearctic and Ethiopian faunas and a study of the composition of this fauna can prove very important.

This report reviews the systematics, zoogeography, and ecology of the bats of Egypt (including Sinai) based on the examination of available museum specimens, original field work, and literature review. The Medical Zoology Department of the U.S. Naval Medical Research Unit Number Three (NAMRU-3) in Egypt collected much of this material as part of other collections made on parasites and their mammalian hosts in Egypt. Most of the bat material collected by NAMRU-3 was preserved in alcohol and is deposited in the U.S. National Museum, Washington, D.C., and the Field Museum of Natural History, Chicago. Collectors for NAMRU-3 included H. Hoogstraal, Ibrahim Helmy, Sobhy Gaber, Sayed Metwally, Hassan Touhamy, W. H. Wells, G. M. Malakalis and various local field assistants particularly from the village of Abu Bawash. The land mammals observed or collected by NAMRU-3 were studied by Osborn and Helmy (1980). The present paper is intended to complement that study by focusing on the bats.

Numerous old reports exist dealing either in part or in total with the bats of Egypt. Several species of bats have been described by E. Geoffroy Saint-Hillaire in 1810, 1813, and in the monumental "Description de la Egypte" of 1818. Many of Geoffrey's original descriptions were augmented with figures and most of his names are still used. Later reports on bats of northeast Africa include those of Riippel (1842) and Heuglin (1861, 1877). Dobson's (1878) Catalogue of the Chiroptera at the British Museum includes many specimens from Egypt and presents an update of the taxonomic work at that

time. The earliest and most exhaustive treatment of the bats of Egypt is Anderson's (1902) Zoology of Egypt: Mammalia. This work also covered much of what is now the Sudan and treated specimens obtained by Anderson himself and the growing collection of the British Museum (Natural History) from the Nile Valley made by R. H. Brown, A. L. Butler, W. E. de Winton, S. S. Flower, W. Innes, J. Rogers, N. C. Rothschild, and others.

In 1932, S. S. Flower updated and reviewed Anderson's work, but restricted his discussion to Egypt in the modern sense (without Sudan). The section on Chiroptera in Flower's work was based on additional specimens acquired by the British Museum (Natural History) mainly through the efforts of the previously mentioned collectors, and those of L. W. Bough, M. Mackilligin, M. J. Nicoll, and W. H. Witherby, among others.

Professor Kamal Wassif of Ain Shams University in Cairo made extensive collections of mammals in Egypt and published several reports dealing with bats (1949, 1953, 1959a, b, 1962). Contributions to the morphology of Egyptian bats were made by Madkour (1961, 1975, 1976a-e, 1977c, d, 1978, 1982), Wassif (1969) and Wassif and Madkour (1963, 1969, 1971, 1972a, b, c, 1973, 1974). The collections made by NAMRU-3 were studied by Setzer (1952) for the Nile Delta region and later by Hoogstraal (1962). In addition, Sanborn and Hoogstraal (1955) presented a key to the identification of Egyptian bats. The most recent report is that of Gaisler, Madkour, and Pelikan (1972) who listed 21 species of bats for Egypt, including Sinai.

The taxonomy of Egyptian bats has been included in larger regional works such as Alien (1939), Ellerman and Morrison-Scott (1951), Hayman (1967), Hayman and Hill (1971), and Corbet (1978). Special reference must also be made to Kock's (1969) "Die Fledermaus-Fauna des Sudan" and Koopman's (1975) "Bats of the Sudan." Both of these excellent works extend their taxonomic and zoogeographical discussions to bats occurring in the Nile Valley.

The material examined is the largest collection of Egyptian bats available for a single review, and most of it has been little examined in the previous works. Though the present work is not intended to be a final answer to even some of the basic questions of chiropteran taxonomy in Egypt, it seems timely to review the available knowledge and to summarize previous contributions. Egyptian bats do not seem to play a role in the transmission of rabies (El Sabban et al., 1967) or any other human disease (Dr. Harry Hoogstraal, personal communication). Only one species, *Rousettus aegyptiacus*, is suspected of becoming an economic menace (Madkour, 1977a). Inasmuch as all Egyptian bats but this one are insectivorous, it would be ecologically and economically harmful to apply such control measures as fumigating caves and ruins. In Israel, this kind of treatment resulted in the almost complete extinction of many useful insectivorous bats and the target species, *Rousettus*, still survives in large numbers. Much field work remains to be done, especially from an ecological perspective, and it is hoped that the present review at least would spark an interest in this fastdeveloping country, especially in nature protection and management.

Qumsiyeh, M. B., Z. S. Amr and R. M. Al-Oran (1998). Further records of bats from Jordan and a synopsis.

Recent records along with a synopsis of the known bats of Jordan are given. Twenty-four species of bats are reported from Jordan, including two additional records, *Rhinolophus mehelyi* and *Asellia tridens*. Five other bat species are suspected to occur.

Qumsiyeh, M. B., A. M. Disi and Z. S. Amr (1992). Systematics and distribution of the bats (Mammalia: Chiroptera) of Jordan.

The order Chiroptera (bats) represent the second (second only to the rodents) most diverse group of mammals, with some 950 species known. Most species of bats belong to the suborder Mlcrochiroptera or insect-eating bats. In Jordan, there is only one species of fruit-eating bat (suborder Megachiroptera); the Egyptian fruit-eating bat, *Rousettus aegyptiacus*. The extent of damage this species causes to certain crops in Jordan is unknown, and ecological studies are needed. On the other hand, this species

Is known to help pollinate many of the fruit trees on which it feeds. Thus, all but perhaps one species of bats in Jordan are highly beneficial. Their role in controlling agricultural pests and as an Integral part of the balanced ecosystem cannot be overemphasised. Yet, there is continuous habitat destruction accompanying development in Jordan. Many bat caves are visited frequently or used by humans, which results In the loss of the bat populations inhabiting these caves. Conservation efforts in Jordan by concerned citizens under the guidance of the Royal Society for the Conservation of Nature (RSCN) would benefit significantly by the presence of baseline data on the distribution and status of bats in Jordan.

There are very few studies of bats in Jordan, and our knowledge of the bat fauna Is still preliminary. Recent field work in Jordan yielded significant new records and distributional data. We are presenting these data here as well as reviewing our knowledge of the bat fauna of this region. Keys to the species of bats occurring or potentially occurring in the region can be found in previous publications.

Qumsiyeh, M. B., R. D. Owen and R. K. Chesser (1988). Differential rates of genic and chromosomal evolution in bats of the family Rhinolophidae.

Data for nondifferentially stained chromosomes from 10 species of *Rhinolophus* (Chiroptera: Rhinolophidae) suggest a conserved chromosomal evolution. G-banded chromosomes for three well differentiated species (*Rhinolophus hipposideros, Rhinolophus blasii*, and *Rhinolophus acuminatus*) corroborate a low level of gross chromosomal rearrangements. Additionally, a comparison between G-banded chromosomes of *Rhinolophus* (Rhinolophidae) and *Hipposideros* (Hipposideridae) suggests extreme conservatism in chromosomal arms between these two distantly related groups. On the other hand, we report extensive genic divergence as assayed by starch gel electrophoresis among these 10 species, and between *Rhinolophus* and two hipposiderid genera (*Hipposideros* and *Aselliscus*). The present chromosomal data are not sufficient for phylogenetic analysis. Phylogenies based on electrophoretic data are in many aspects discordant with those based on the classical morphological criteria. Different (and as yet not clearly understood) evolutionary forces affecting chromosomal, morphologic, and electrophoretic variation may be the reason for the apparent lack of concordance in these independent data sets.

Des données sur la coloration non-différentielle des chromosomes de 10 espèces de *Rhinolophus* (Chiroptera: Rhinolophidae) suggèrent une évolution conservatrice des chromosomes. Les bandes G des chromosomes de trois espèces bien differenciées (*Rhinolophus hipposideros, Rhinolophus blasii* et *Rhinolophus acuminatus*) corroborent l'existence d'un faible niveau de réarrangements palpables des chromosomes. De plus, une comparaison entre les bandes G des chromosomes de *Rhinolophus* (Rhinolophidae) et d'*Hipposideros* (Hipposideridae) suggère un conservatisme extrême des bras chromosomiques entre ces deux groupes relativement distants. D'autre part, des électrophorèses sur gel d'amidon permettent de rapporter l'existence de differences géniques extensives entre ces 10 especes, ainsi qu'entre *Rhinolophus* et deux genres d'Hipposideridae: *Hipposideros* et *Aselliscus*. Les présentes données chromosomiques sont insuffisantes pour les fins d'analyses phylogénetiques. Les phylogénies basées sur les données obtenues par electrophorèse basées sur les critères morphologiques. Ce manque apparent de concordance entre groupes de données independants pourrait bien relever de forces évolutives différentes, qui affectent la variation chromosomique, morphologique et électrophoretique.

Qumsiyeh, M. B. and D. A. Schlitter (1981). Bat records from Mauritania, Africa (Mammalia: Chiroptera).

The occurrence of seven species of bats previously unknown in Mauritania are documented, making a total of 11 species of bats recorded from the country. The new records include *Taphozous perforatus, Nycteris hispida, Hipposideros caffer, Asellia tridens, Pipistrellus rueppelli, Scotophilus leucogaster*, and *Tadarida condylura*. Additional information is provided on three species of bats (*Rhinopoma hardwickei, R. microphyllum*, and *Nycticeius schlieffeni*) already known to occur in Mauritania.

Qumsiyeh, M. B. and D. A. Schlitter (1982). The bat fauna of Jabal Al Akhdar, Northeast Libya.

Fifty nine specimens of bats representing eight species in three families are reported from the region of Jabal Al Akhdar in northeastern Libya. *Nyctalus lasiopterus* is reported for the first time from Africa, while *Pipistrellus pipistrellus, Miniopterus schreibersii* and *Tadarida teniotis* are new additions to the fauna of Libya. *Rhinolophus clivosus, R. mehelyi, Pipistrellus kuhlii*, and *Plecotus austriacus* are additional distributional records from Libya. Taxonomic comments are given. Although distinctive, the bat fauna of Jabal Al Akhdar is considered of Mediterranean origin and includes taxa seemingly closely associated with those from southcentral Europe rather than the Eastern Mediterranean and Maghreb regions.

Qumsiyeh, M. B., D. A. Schlitter and A. M. Disi (1986). New records and karyotypes of small mammals from Jordan.

Presented new distributional records for 14 species of mammals in Jordan. Of these, two species of bats are new to the fauna of the country, *Myotis capaccinii* and *M. emarginatus*. Karyotypic data are presented for 11 species that have not been previously studied from Jordan. The diploid number in *Rhinolophus hipposideros* from Jordan is different from that reported for European specimens. The rare *Gerbillus nanus* is confirmed in Jordan by karyotypic data. *Acomys lewisi* has the same chromosome number as *A. russatus*, a fact which is compatible with the idea that these two forms are conspecific.

Rahm, U. (1965). Distribution et écologie de quelques mammifères de l'est du Congo.

Si on mettait sur carte la répartition de tous les mammifères existants au Congo, on remarquerait une grande lacune dans la partie est de ce pays, entre le fleuve Congo et le Graben Centre-Africain. Grâce au matériel récolté jadis par Lang et Chapin et par Christy dans le nord-est du Congo, nous connaissons assez bien les mammifères de cette région. Le Ruwenzori et les volcans au nord du lac Kivu ont été explorés par plusieurs missions scientifiques. Nous nous sommes efforcés depuis 1958, d'explorer au moins une partie de la région forestière de l'est du Congo afin de connaître les mammifères y existants. Nous avons particulièrement prêté notre attention à la région située entre le premier et le quatrième parallèle sud et délimitée par le fleuve Congo et le Graben Centre-Africain. Politiquement, cette région du Congo comprend une grande partie de la Province du Kivu ct au point de vue botanique elle se compose de forêt équatoriale, de forêt de montagne et de prairies de montagnes (carte 1).

La forêt équatoriale (ou forêt dense humide) de notre région explorée est du même type que celle au nord-est du Congo. Nous y avons récolté jusqu'à présent 86 espèces de mammifères, les crocidures non comprises. Notre recensement a démontré que la faune de la forêt équatoriale de l'est du Congo ne diffère guère de celle connue de la forêt de l'Ituri au nord-est du Congo. Par contre le fleuve Congo représente une barrière zoogéographique importante vers l'ouest et de nombreuses espèces de mammifères n'existent pas sur la rive gauche de ce fleuve. Parmi ceux-ci nous ne citons que quelques-uns: *Cercocebus albigena, Gorilla gorilla, Pan troglodytes, Cercopithecus hamlyni, Cercopithecus l'hoesti, Galago inustus, Rhynchocyon stuhlmanni, Genetta victoriae, Osbornictis piscivora, Hylarnus harrisoni, Funisciurus pyrrhopus, Tamiscus alexandri, Idiurus, Anomalurus pusillus, Deomys ferrugineus*.

La forêt de montagne à l'ouest du lac Kivu est semblable à celle qu'on trouve tout le long du Graben. *Lophuromys woosnami, Thamnomys kempi, Aethosciurus ruwenzorii, Funisciurus carruthersi* et *Chlorotalpa stuhlmanni* sont des représentants typiques de ces montagnes. La forêt équatoriale et la forêt de montagne ont plusieurs espèces en commun, d'autres ne se trouvent qu'en forêt équatoriale et font défaut en forêt de montagne (voir graphiques et cartes).

Nous donnons ci-après des notes et cartes sur la répartition de quelques mammifères qui sont d'un intérêt particulier.

Rahm, U. (1966). Les mammifères de la forêt équatoriale de l'est du Congo.

Le but de cette publication est de donner un aperçu des mammifères de la forêt équatoriale de l'Est du Congo. Le Nord et le Nord-Est du Congo ont été explorés par plusieurs naturalistes, notamment par LANG et CHAPIN, et par CHRISTY, mais nous avons très peu de données concernant les mammifères de la région forestière de l'Est du Congo. La région explorée est située, grosso modo, entre le Graben Centre Africain et le fleuve Lualaba-Congo d'une part, et entre les fleuves Lowa-Oso et Elila (à peu près entre 1° S et 30° 30' S) d'autre part.

Nous avons effectué un voyage le long de la Lowa en 1960 et M. CHRISTIAENSEN a parcouru la région de Shabunda en 1959. La plus grande partie de notre étude a été faite dans la région d'Irangi et dans les alentours de Niamiringi, où nous avons séjourné plusieurs fois depuis 1959. A Niamiringi, nous avons joui de l'hospitalité de M. et M^{me} Ch. CORDIER qui y séjournèrent jusqu'en 1960; à Irangi, l'IRSAC possède un gîte bien aménagé.

Après avoir étudié les mammifères de la région occidentale du lac Kivu (RAHM et CHRISTIAENSEN, 1963), nous souhaitions comparer la faune de la forêt de montagne de la dorsale du Kivu avec celle de la forêt équatoriale à l'Ouest du Graben Centre Africain. Un aperçu général de l'écologie et de la répartition de quelques mammifères a été publié ailleurs (RAHM, 1965).

Au point de vue botanique la région explorée se compose de forêt équatoriale à *Macrolobium* et de forêt équatoriale non caractérisée (carte 2). La plupart des villages sont situés le long des routes. Près des villages habités ou abandonnés, il y a généralement de la forêt secondaire, des champs indigènes ou de la brousse à *Pennisetum*. Dans la région d'Irangi et de Niamiringi, les bananeraies sont particulièrement nombreuses.

Rahm, U. and A. Christiaensen (1966). Les mammifères de l'île Idjwi (Lac Kivu, Congo).

Dans le cadre d'une étude sur les mammifères de l'Est du Congo et du Graben Centre Africain, un recensement des mammifères existant sur l'île Idjwi a été effectué par intermittence en 1959 et 1960. Idjwi est de loin la plus grande île du lac Kivu dont elle occupe l'axe Nord-Sud. Elle a une longueur d'un peu plus de 40 km et une largeur maximale de 10 km. Idjwi est extrêmement montagneuse, le plus haut sommet dépassant 2.200 m d'altitude, alors que le niveau du lac Kivu est de 1.463 m. La moitié Nord de l'île est de moindre altitude que le centre et le Sud.

D'après la carte géologique du Kivu par BOUTAKOFF (1939) le Sud-Ouest d'Idjwi est recouvert de laves basaltiques anciennes, tandis que le restant de l'île est formé de roches du système de la Ruzizi, ainsi que de granites. Les terrains alluvionnaires récents sont d'étendue très limitée (voir carte). Le lac Kivu occupe une cuvette du Graben Centre Africain, formée par des épanchements de lave qui ferment le lac au Nord et au Sud; au Nord, issus des volcans récents des Virunga et au Sud, issus des monts Biega, Kahuzi et autres centres volcaniques datant de lafin de l'ère tertiaire. L'âge de ce lac, et donc l'âge d'Idjwi en tant qu'île séparée de la terre ferme, doit être de l'ordre de 10.000 à 15.000 ans.

Les pluies sont abondantes sur Idjwi (environ 1.500 mm par an) et interrompues par une saison sèche, de sévérité variable suivant les années, durant les mois de juin, juillet et août et une partie des mois de mai et septembre. Une petite saison sèche, d'une durée d'une quinzaine de jours, s'intercale parfois au sein de la période pluvieuse, vers le mois de décembre ou janvier. La majeure partie de l'île Idjwi est déboisée, bien qu'un très beau massif de forêt de montagne en occupe la partie centrale qui est, en même temps, le point le plus élevé. La composition de cette forêt est identique à celle des forêts de montagne de la dorsale Ouest du Graben il altitude égale (fig. 2). Quelques parcelles de forêt de faible étendue subsistent au bord du lac, surtout dans le Nord de l'île. L'arbre dominant y est *Newtonia buchanani*, qu'accompagnent quelques *Schrebera alata*. On y rencontre comme végétal épiphyte fréquent la très belle et très grande orchidée *Ansellia africana*, sous les touffes desquelles s'abritent

souvent des petites colonies de chauves-souris. Les collines sont couvertes, sur de larges étendues, de savanes plus ou moins arborées, parmi lesquelles notons: *Albizzia gummifera, Erythrina abyssinica, Putada abyssinica, Millettia dura, Bridelia micrantha, Fourea* sp., divers *Ficus, Sapium ellipticum*, etc., toujours chargés de nombreuses plantes grimpantes. La graminée *Hyparhenia cymbaria* domine dans les savanes nues au niveau du lac (fig. 3). On trouve également des massifs de *Pennisetum purpureum* et des collines entières couvertes de *Pteridium aquilinum*. Quelques plantations industrielles de caféiers se rencontrent au Sud-Ouest et à l'extrémité Nord de l'île. Un grand boisement d'*Eucalyptus* couvre la presqu'île de Mamvu.

L'île est habitée par l'ethnie des Bahavu, qui peuple la plupart des îles du lac Kivu, ainsi que la partie centrale de la côte Ouest. L'occupation humaine est surtout très dense au Sud du massif forestier central. Cette région est très cultivée et on y remarque d'immenses bananeraies servant principalement à la fabrication de bière. Les principales cultures vivrières sont les haricots, le sorgho et le manioc (*Manihot utilissima*). On rencontre partout des petits troupeaux de grand et de petit bétail. Au dire des autochtones, le gros bétail serait en régression par suite du recul des pâturages, causé tant par l'extension des cultures vivrières que par la diminution de fréquence des feux de brousse contre lesquels oeuvre ou oeuvrait l'Administration; ce qui a permis par ailleurs un reboisement et une pullulation progressive des broussailles en savane.

Feux de brousse, déboisement, reboisement et broussailles ont vraisemblablement eu une influence sur la faune de l'île, spécialement sur les mammifères.

A cause des événements politiques de 1960, nous n'avons pu malheureusement explorer l'extrême Sud-Est de l'île.

Antérieurement à notre prospection, quelques récoltes avaient déjà été faites par ALLEN et LOVERIDGE (1942) (voir "Conclusions").

La méthode de travail fut celle que nous avons utilisée lors de nos enquêtes précédentes. Les piégeages ont été effectués avec des "clapettes à rats" et lies "Oxford Longworth".
L'indicatif "L" et les numéros mentionnés au paragraphe "Collection" se réfèrent à la collection qui se trouve à l'IRSAC-Lwiro.

Rand, A. L. (1935). On the habits of some Madagascar mammals.

The following notes were made during the period 1929 - 1931, while I was collecting birds and mammals as member of the Mission Zoologique Franco-Anglo-Américaine à Madagascar. General accounts of the work of this expedition have been published by Jean Delacour (1930) and myself (1932).

A partial list of the mammals secures has been published by Delacour (1932), but the collection as a whole has not been critically studied. The present paper consists of field observations, made by myself unless otherwise stated.

Ransome, R. D. (1989). Population changes of Greater horseshoe bats studied near Bristol over the past twenty-six years.

Bat, Greater horeshoe bat, population, hibernacula, birth timing, growth

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Rautenbach, I. L. (1985). A new technique for the efficient use of Macro-mistnets.

A cheap and simple method of adapting yacht masts to allow quick and efficient stringing and versatile manipulation of a 6,0 * 30,0 meter macro-mistnet, is described

Rautenbach, I. L. (1986). Karyotypical variation in Southern African Rhinolophidae (Chiroptera and non-geographic morphometric variation in *Rhinolophus denti* Thomas, 1904.

Karyotypical properties of all ten species of Southern African *Rhinolophus* are evaluated as a parameter for clarifying species identities. No interspecific variation in diploid numbers, minor variation in fundamental numbers and a greater degree of variation in sex chromosomes render this technique of limited value concerning rhe confirmation of species identities. A series of 104 specimens of *R. denti* from the northern Cape Province, South Africa, is analysed for nongeographic variation. Significant variation is recorded betwen sexes in five mensural characters.

Rautenbach, I. L., G. N. Bronner and D. A. Schlitter (1993). Karyotypic data and attendant systematic implications for the bats of southern Africa.

The standard karyotypic properties of 60 of the 73 species of bats known to occur in southern Africa, are reviewed. The karyotypes of 23 microchiropteran species are described for the first time; our results on a further 14 species are compared with earlier reports for those taxa. The previously published chromosomal information pertaining to 23 species for which we had no information, are cited. Systematic implications of observed patterns of karyotypic variation are briefly discussed. In particular, we conclude that the taxon *Cistugo* (currently recognised as a subgenus of *Myotis*) should be afforded full generic rank; hypothesise that the karyotypes of the two species - *M. (C) seabrai* and *M. (C) lesueuri* - in *Cistugo* are probably ancestral for all vespertilionids; and question the wisdom of redefining the taxonomic limits of the genera *Eptesicus* and *Pipistrellus* until molecular data are available to resolve the dilemma posed by conflicting morphological and cytogenetic data suites.

Rautenbach, I. L., G. De Graaff and U. de V. Pienaar (1979a). Records of seven small mammal species (Insectivora, Chiroptera) new to the Kruger National Park.

On a recent collecting expedition in the Kruger National Park the occurrence of seven species of small mammals (one shrew and six bats) within the confines of this sanctuary was confirmed for the first time. One species (*Pipistrellus rusticus*) is reported for the first time from within the borders of the Transvaal, whereas another species (*Myotis bocagei*) is reported for the first time for the Republic of South Africa. The seven
species are briefly discussed and the collections where the specimens have been accesioned are indicated.

Rautenbach, I. L., N. J. Dippenaar, J. Meester and D. A. Wolhuter (1981a). The status of Southern African mammal taxonomy. Abstract.

A generally accepted belief persists within the ranks of zoologists that the 'taxonomy' of southern African small mammals are adequately documented; that the classificatory frameworks are near finite; that nomenclatural problems are resolved in the greatest majority of taxa; and that infraspecific variation is so well understood as to render further collecting and taxonomic study superfluous or of trivial importance.

Meester (1954), followed by Ansell (1958), Meester, Davis and Coetzee (1964), as well as Meester and Eloff (1973) reviewed the status of the taxonomy of the small mammals of this subcontinent, whereupon all stressed the need for continued and more detailed taxonomic work. Regardless of this circumscribed need, little was being done at that time. Since then some powerfull taxonomic procedures (*viz.* multivariate morphometric analyses, cytotaxonomy) were incorporated in local taxonomic research endeavours. In the light of such powerful but demanding taxonomic procedures, we have re-examined the status of southern African small mammal taxonomy.

We conclude that in southern Africa, not only does the progress in taxonomic research fail to keep up with contemporary work on European and North American mammals, but is in fact falling progressively further behind. A discussion on possible causes for this situation is offered. It is our belief that in southern Africa in particular and Africa in general, enough important taxonomic work within the field of small mammal taxonomy remains to occupy the fulltime attention of a score of taxonomists. Concern is expressed that unless the rates and standards of taxonomic research on local small mammals are significantly increased, much time, energy, funds and manpower could be applied uneconomically and in vain in those disciplines of mammal research relying on a sound classification.

Rautenbach, I. L., M. B. Fenton and L. E. O. Braack (1985). First records of five species of insectivorous bats from the Kruger National Park.

Five: species of insectivorous bats arc reported time from the Kruger National Park. One of these, *Pipistrellus anchietai*, represents a new record for the southern African Subregion, and two *Laephotis botswanae* and *Nycteris woodi* are recorded for the first time for the Republic of South Africa. The remaining species, *Eptesicus melckorum* and *Tadarida ansorgei* are first records of occurrence for the Transvaal. The species richness of the bat fauna of the Kruger National Park, and particularly of the Pafuri area, is reviewed.

Rautenbach, I. L., M. B. Fenton, A. C. Kemp and S. J. Van Jaarsveld (1990). Home range and activity of African goshawk *Accipiter tachiro* in relation to their predation on bats.

Winter radio-tracking of three African goshawks *Accipiter tachiro* showed that they each occupied well-wooded home ranges of at least 28 hectare. They perched and roosted mainly within densely foliaged tree and an adult female changed perches on average 4,7 times per hour. No crepuscular predation of bats was recorded, in contrast to regular summer predation on colonies of little free-tailed bat *Tadarida pumila*, but winter emergence rates of these bats at dusk had dropped to <= 5 % of the previous summer. We predict that many accipiters will be regular predators of bats and that skewed sex ratio and high fecundity may be two means by which bats counter this predation.

Rautenbach, I. L., M. B. Fenton and M. J. Whiting (1996). Bats in riverine forests and woodlands: a latitudinal transect in southern Africa.

Using captures in mist nets and monitoring echolocation calls, we quantified bat distribution and activity and measured insect abundance as numbers of insects attracted to black lights at 15-min intervals. These data were collected simultaneously at pairs of sites in riverine and dry woodland savannah along a transect of ca. 350 km from north to south in the Kruger National Park, South Africa. The sites were situated in the north, central, and south of the park and data were collected in January 1993. Our study involved 18 sites, three pairs each in the areas of the Luvuvhu, Letaba, and Sabie rivers. Half of the sites were in riverine woodland, the others in dry woodland. No statistical association exists between bat captures and either bat activity or insect abundance. Bat activity, however, was related significantly to insect abundance. Although bats were significantly more abundant (captures) in riverine habitats than in dry woodland savannah, comparisons of bat diversity and evenness (rarefaction curves, species abundance curves, and Whittaker plots) showed no differences between these habitats. The data neither demonstrate a decline in bat diversity away from the equator nor suggest specific bat communities associated with riverine habitats. The data do demonstrate the important influence of insects on the activity patterns of insectivorous bats.

Nous avons utilisé des données sur la capture dans des filets japonais et des enregistrernents de cris d'écholocation pour quantifer la répartition des chauves-souris et leurs activités et nous avons également rnesuré l'abondance des insectes capturés dans des pièges aux ultra-violets a 15 min d'intervalle. Les données ont été recueillies simultanément a des paires de sites, dans un habitat riverain et une savane boisée sèche, Ie long d'un transect nord-sud d'environ 350 km dans Ie parc

national de Kruger en Afrique du Sud. Les sites étaient situés dans les parties nord, centre et sud du parc et les données ont été recueillies en janvier 1993. Nous avons choisi 18 sites, trois paires à chaque endroit, soiit dans les bassins des rivières Luvuvhu, Letaba et Sabie. La moitié des sites se trouvaient dans des milieux riverains boisés, l'autre rnoitié dans des milieux secs boisés. Aucune relation statistique n'a été trouvée entre le nombre de chauves-souris capturées et leur activité ou l'abondance des insectes. L'activite des chauves-souris était cependant en correlation significative avec l'abondance des insectes. Les chauves-souris étaient significativement plus abondantes dans les captures éffectuées en milieu riverain qu'en milieu sec, mais la comparaison entre la diversité des chauves-souris aux deux endroits et leur regularité (courbes de rarefaction, courbes d'abondance des espèces et diagrammes de Whittaker) n'a révélé aucune différence entre ces deux types d'habitats. Les données n'indiquent pas de diminution de la divérsite des chauves-souris a mesure qu'on seloigne de l'equartur et ne signalent pas non plus l'existence de communautes de chauves-souris spécifiques des habitats riverains. Les données soulignent cependant l'influence importante des insectes sur l'activité des chauves-souris insectivores.

Rautenbach, I. L., A. C. Kemp and C. H. Scholtz (1988). Fluctuations in availability of Arthropods correlated with Microchiropteran and Avian predator activities.

Aerial arthropods were sampled by driving a standard transect along the riparian forest of the Luvuvhu River, South Africa, to assess hourly and seasonal variations in available biomass. Sampling, with an air-plankton net mounted on a vehicle, was conducted hourly over 48-hour period during the fullest phase of the moon for each of eight months during 1986/87. Seasonal variation in availability of terrestrial arthropods was assessed by means of six pitfall traps set in the riparian forest. On a daily basis the available biomass of aerial arthropods was found to increase markedly at and during the two hour following sunset, with a slight peak at or in the two hours preceding dawn. Highest monthly availability was found to correspond with the warm summer rainy season, with a marked increase after the first rains. The peak for terrestrial arthropods was found to occur later in the summer than for aerial arthropods. These patterns of arthropod availability correlate well with the daily activity rhythms and seasonal reproduction of microchiropteran bats and their avian predators.

Rautenbach, I. L. and J. A. J. Nel (1978a). Coexistence on Transvaal Carnivora.

How coexisting carnivore species avoid interspecific competition is examined by consideration of their more prominent physical and behavioral characteristics. An attempt is made to explain coexistence of the 33 Transvaal carnivore species. The behavioral characteristics, which are considered here in various combinations, are daily activity regimen, food preference, habitat preference, geographical distribution, and social structure. The mean species body weight as an indicator of the size of prey on which a carnivore exists is also incorporated. Eighty-two % of the carnivores are shown to form a trend ranging from a nocturnal/solitary mode of life to an entirely diurnal/gregarious existence.

Rautenbach, I. L. and J. A. J. Nel (1978b). Three species of microchiropteran bats recorded for the first time from the south-west Cape Biotic zone.

New distribution records are reported for three species of bats. The presence of *Tadarida (Tadarida) aegyptiaca* in the South-West Cape biotic zone is confirmed. *Tadarida (Chaerephon) pumila* is recorded for the first time from the Cape Province, whereas the known range of *Laephotis wintoni* is shown to extend some 1 000 km further south than previously recorded, to within the borders of the Republic of South Africa.

Rautenbach, I. L. and J. A. J. Nel (1980). Mammal diversity and ecology in the Cedarberg wilderness area, Cape Province.

This report deals with the results of mammal surveys in the Cedarberg Wilderness Area, Cape Province, Republic of South Africa. Specimens collected by a combined Transvaal Museum/University of Pretoria (Department of Zoology) expedition during February 1978, as well as unreported material previously accrued by the Smithsonian Institute's 'African Mammal Project' field teams, are dealt with. Material and/or other records of the 50 mammal species now known to occur in the study area, are reported. Ecological aspects of some smaller mammals are discussed, such as trapping results, species diversity and relative densities, cover preference and breeding activity.

Rautenbach, I. L., J. A. J. Nel and G. A. Root (1981b). Mammals of Itala Nature Reserve, Natal.

Itala Nature Reserve is situated in rolling hills south of the Pongola river. Historically the area was in the Vryheid Republic, and bordered on South Africa's first game reserve, the Ponzola Game Reserve. Proclaimed in 1973 with an area of 8094 ha, Itala was subsequently enlarged through the acquisition of additional farmland to its present size of 26 305 ha. While parts of the present reserve are in a fairly pristine state, others have been farmed or were the sites of kraals. These are still, and will rernain so for many years to come, in a state of floristic and presumably also faunal succession. As the process of recovery from farming practices continues the species surviving at the time of proclamation, as well as those reintroduced, will in all probability resettle those areas occupied historically.

The geographical position and variation in topography, altitude, climate and vegetation types of !tala Nature Reserve present an area of great ecological and zoogeographical interest with which to compare the mammal fauna of other parts of southern Africa. The present paper documents the current state of the mammal fauna, and also lists those species known to occur in the past, but now absent.

Rautenbach, I. L., D. A. Schlitter and L. E. O. Braack (1984). New distributional records of bats for the Republic of South Africa, with special reference to the Kruger National Park.

Data on the distributions of seven species of bats in South Africa are discussed. Four species, *Hipposideros commersoni, Pipistrellus rueppellii, Tadarida ansorgei* and *T. fulminans* are reported for the first time from South Africa and all but *T. ansorgei* from the Kruger National Park. *Rhinolophus simulator* and *Kerivoula lanosa* are recorded for the first time from the Kruger National Park. The subspecies relationship of *Eptesicus hottentotus* in the eastern part of South Africa is reviewed.

Rautenbach, I. L., D. A. Schlitter and G. de Graaff (1979b). Notes on the mammal fauna of the Augrabies falls National Park, and surrounding areas, with special reference to regional zoogeographical implications.

An annotated checklist of the mammals recorded by direct or indirect means on or near the Augrabies Falls National Park, is provided. Speculations are offered as to which species have become extinct during historical times. The Orange River as a faunal dispersal corridor and barrier, is considered. A numerical analysis to determine whether the Augrabies Falls district falls within the Namib or the South West Arid biotic zone, is discussed.

Rees, A. (1964). A check list of the mammals and amphibia of Ulanga District.

The following list of animals found in Ulanga Range is submitted, not only as part of the natural history records of this District, but also as an indication of the variety of wildlife to be found in a comparatively small area of Tanganyika. Many, in fact most, of the animals listed occur in the Selous Game Reserve, and some, such as Sharpes grysbuck and Impala have not been recorded outside the Reserve.

No attempt has been made to comment on the distribution of the animals listed, as considerably more collecting and wider observation is needed.

Apart from the larger and more easily identifiable mammals only those which have been collected personally and identified by some competent authority have been listed.

Large gaps occur, notably in the *Murinae, Herpestinae* and *Soricidae*. Very few specimens have been collected from these groups. The *Chiroptera* however have been dealt with more thoroughly and members of this order which are not listed but which may occur in this range are probably rare, very locally distributed. or by their habits or habitat, solitary and difficult to collect.

The absence of *Platymops* from the records of Tanganyika mammals is, for example, probably more likely to be due to a lack of collectors than to the non-occurrence of this bat.

In this district I have managed to collect only a single specimen of *Trianops afer*, a bat which is reputed to live in caves and which should not, one would think, be so elusive.

Notes on a collection of snakes were published in the "Tanganyika Notes and Records" (Vol 54 of March 1960). Dr. Freyvogel has since done more collecting and it is hoped that he may soon be able to add to the list.

It is emphasised that the following list is far from complete and it is only offered as a basis for further collecting and study.

Little is known about the habits and food preferences of even the larger mammals, particularly in the type of country occuring in this District and through most of the Selous Game Reserve, and a study of the association of the animals with various vegetational types would be both interesting and valuable.v- and would, of course have an important and direct bearing on conservation problems.

The local migration of elephant and buffalo, the extremely local occurence of puku, the irregular and local distribution of greater kudu in the Western Selous Reserve, and the probability of certain species of grass having an important effect, when in various stages of maturity, on the movement and distribution of the animals which occur, are all phenomena which could perhaps be understood with a greater knowledge of the feeding habits of these animals.

Reuven, Y. (1991). Foraging habits, hunting and breeding success of Lanner Falcons (*Falco biarmicus*) in Israel.

The distribution of Lanner Falcons (*Falco biarmicus*) is restricted to the Mediterranean region and Africa. During 1987-89, data were collected on foraging habits and reproductive success on two breeding pairs of Lanner Falcons at Sede Boqer, in the Negev Desert highlands, Israel. Three hundred and thirty two capture attempts of birds, mammals and insects by the Lanner Falcons were observed, of which 163 (49.1 %) were successful. The falcons also pounced on 9 rodents from a perch, or walked on the ground and gathered invertebrates on 27 occasions. A male also hunted bats. Pairs hunted cooperatively during the courtship period prior to egg laying and also when young accompanied one of the parents on hunting forays. During the fledging period, the male and the female again hunted cooperatively. The overall hatching success for both pairs during the five pair-years was 95.2 % and total fledging success was 78.3 %.

Robbins, C. B. (1978b). The Dahomey gap - A reevaluation of its significance as a faunal barrier to west african High Forest Mammals.

The Dahomey Gap as a faunal barrier to high forest mammals is reevaluated. Past researchers, utilizing incorrect or incomplete data, were led to the conclusion that the Gap was the major factor influencing high forest animal distribution in West Africa. Recent data on climate, vegetation, soil type, and mammalian taxonomy, ecology, and distribution indicate that the Dahomey Gap has not influenced mammal distribution or evolutionary changes. Rather, it is the Volta and Niger rivers, which have affected mammalian distribution and speciation in West Africa.

Robbins, C. B. (1980). Small mammals of Togo and Benin. I. Chiroptera.

Liste des chauves-souris collectées par les membres du Smithsonlan African Mammal Project au Togo et anu Bénin. Trois espèces sont nouvelles pour Ie Togo. Cette liste comprent les premières mentions de la faune des chauves-souris du Bénin. L'auteur discute de problèmes taxonomiques posés par les *Scotoecus* et de problèmes de nomenclature concernant les *Scotophilus*.

Bats collected by members of the Smithsonian African Mammal Project in Togo and Benin are listed. Three species reported are new for Togo. This list includes the first account given for the bat fauna of Benin. Problems regarding taxonomic determinations in *Scotoecus* are discussed as well as nomenclatural problems concerning species of *Scolophilus*.

Robbins, C. B. (1981). A new high forest species of the bat genus *Scotophilus* (Mammalia: Vespertilionidae). Abstract.

Research on a revision of the African bat genus *Scotophilus* (with Frits De Vree - see following abstract) included examination of many specimens referable to *S. nigrita nux* Thomas, 1904. De Vree and I have found that *S. nux* is specifically distinct and distinguishable from *S. dinganii* (previously and incorrectly called *S. nigrita*).

Examination of over 80 specimens of *S. nux* revealed that six specimens (four from Ghana, one from NE Zaire, and one from Uganda) could not be referred to *S. nux* or any other described taxon in *Scotophilus*. Although they are very similar in external appearance including pelage color, their cranial and wing measurements are markedly smaller.

Two of the Ghana specimens are, in fact, sympatric with typical *S. nux*. That locality (1 mi N Nkawkaw) will be designated as the type-locality for the new species. Both *S. nux* and the new species are restricted in distribution to the West, Central, and East African high forest blocs and remnant forest areas. The formal description of the new species will be published as a part of the Proceedings of this Colloquium.

Robbins, C. (B.) (1983). A new high forest species in the African genus *Scotophilus* (Vespertilionidae).

Analysis of the systematics of the African *Scotophilus* (Robbins, De Vree & Van Cakenberghe, 1982) revealed that the subspecies *S. nigrita nux* Thomas, 1904, was instead a distinct species (*S. nux*). Statistical analyses were used to examine population and geographic variation in over 100 specimens referred to *S. nux*. Some population samples had unusually large ranges of measurements. The specimens from those localities were then examined individually. I found that there were some individuals with smaller wing and cranial measurements than typical *S. nux* from the same or nearby localities. Additional research was necessary to clarify the characters that identify *S. nux* and distinguish the smaller specimens.

Robbins, C. B. and F. De Vree (1981). Systematic revision of African *Scotophilus* (Chiroptera, Vespertilionidae). Abstract.

The systematics of the African members of the genus *Scotophilus* are very confused and controversial at several points. Apart from size and color they do not show striking morphological differences.

In the present study approximately 2000 specimens were examined, using multivariate statistical techniques, including discriminant, principal component and cluster analysis. All analyses are based on seven cranial and one wing measurement.

A total of six species are now recognized on the mainland of Africa: *S.nigrita (=gigas), S.nux, S.dinganii, S.leucogaster* and *S.viridis*. A new species will be discussed by Brian Robbins and is included in the previous abstract; it will be described in the published proceedings of the Colloquium.

The distribution of the genus on the mainland of Africa ranges from Senegal and Mauretania in the West to Ethiopia and Somalia in the East, throughout Central Africa to South Africa. *S.nux* and the new species are restricted in distribution to the high forest zone from Sierra Leone to Kenya. Our analysis shows that *S. viridis* and *S. nigritellus* are conspecific. *S. leucogaster* and *S. viridis* occur throughout the range given for the genus in Africa and are sympatric at several localities in West Africa. However south of Ethiopia they have not been found together, but are usually found with *S. dinganii*.

Robbins, C. B., F. De Vree and V. Van Cakenberghe (1983). A review of the systematics of the African bat genus *Scotophilus* (Vespertilionidae).

The systematics of the African vespertilionid genus *Scotophilus* Leach, has been confused and at times controversial. Since the description of the earliest species in this genus, *S. nigrita* (Schreber, 1774), eighteen other taxa have been described as being African species or subspecies. The number of species recognized by various authors for the African mainland ranged from two to seven, with the usual numbers being three, four or five distinct species. The taxonomic history and the taxonomy of *Scotophilus* using multivariate statistical techniques to examine morphology, plus analysis of ecology and distribution of African mainland species, are detailed by Robbins, De Vree and Van Cakenberghe, 1982, Ann.Roy.Afr.Centr., Ser. 8. We present here a review of that paper.

Adults from a total of 2094 specimens were examined from 21 museum collections in the US, Europe and Africa. Statistical analyses were made using one wing and seven cranial measurements. Multivariate analyses included discriminant function analysis and principal component analysis. Standard univariate techniques were also used.

Morphological analyses were divided by geographical regions and habitat because many previous taxonomic treatments were regional and also to facilitate taxon recognition and allow comparisons between the regions. These regions and habitants were: the West African savanna; the savanna from West to East Africa; the high forest from West to East Africa; the southern Africa savanna; and total distribution. *S. nigrita* Schreber was excluded from these analyses because its large size distinguished it from all other *Scotophilus* species.

Analysis of the West African savanna species indicated the presence of three distinct morphological species which corresponded to *S. dinganii* (A. Smith), *S. leucogaster* (Cretzschmar), and *S. nigritellus* De Winton. Combining the West African specimens with population samples from East Africa indicated that these three species remained distinct. The West to East African high forest vegetation zone was found to have two species distinguishable from those in the savanna - as *S. nux* Thomas and a new species described in these Proceedings as *S. nucella* Robbins.

It was apparant that southern Africa also had two or three distinct species. Using specimens from previous analyses (West to East Africa) plus southern Africa specimens, confirmed that the smallest species in West Africa (previously referred by other authors to *S. nigritellus*) was conspecific with and should be recognized as a part of the southern African *S. viridis*. Also, West Africa specimens of *S. leucogaster* were found to be conspecific with specimens from Namibia and Botswana. To complete the analyses, the largest West African *Scotophilus* (excluding *S. nigrita*), *S. dinganii*, was compared with and found to be conspecific with southern African specimens. Statistical analyses using specimens from throughout the range for each morphologically distinct species confirmed the presence, on the African mainland, of six distinct species of *Scotophilus*. Therefore, we recognize *S. dinganii, S. leucogaster, S. nigrita, S. nucella, S. nux* and *S. viridis*.

We also considered the possibility that specimens from the Madagascar area corresponded to those on the African mainland. Based on only a few available specimens, we found three morphologically distinct forms. The large specimens had been described as *S. robustus* Milne-Edwards and do not correspond morphologically to any African mainland specimens. Another specimen corresponded to the lectotype of *S. borbonicus* (E. Geoffroy St. Hilaire). An additional specimen has measurements which fit those of the smallest representatives of the mainland *S. viridis*. For the present and because of a lack of Madagascar material and the inadequate description and condition of the lectotype of *S. borbonicus* we reject the use of *S. borbonicus* and *S. robustus* for species or subspecies on the African mainland.

Robbins, C. B., F. De Vree and V. Van Cakenberghe (1985). A systematic revision of the African bat genus *Scotophilus* (Vespertilionidae).

The systematics of African members of the genus *Scotophilus* has been confused and at times controversial. Apart from size and pelage color, they do not show many non-mensural differences. Multivariate statistical analyses are used with seven cranial and one wing measurement on over 2000 specimens. Six species are recognized. Two species, *S. nux* and *S. nucella*, are restricted to the high forest zone in West and Central Africa. The other four species, *S. dinganii, S. leucogaster, S. nigrita*, and *S. viridis*, occur throughout sub-Saharan Africa in the savanna vegetation zones. African mainland distribution of the genus is from Senegal and Mauritania in the west to Ethiopia and Somalia in the east, and throughout Central Africa to southern Africa.

Robbins, L. W. and R. J. Baker (1978). Karyotypic data for African mammals, with a description of an *in vivo* bone marrow technique.

Basic information, which should be included in any publication on the chromosomes of mammals, is given. A field-tested bone marrow-in vivo method of karyotyping is presented. A review of the literature concerning karyotypes of African mammals was done and these karyotypic data are listed for 292 species and subspecies of African mammals.

Robbins, L. W., M. W. Haiduk and D. A. Schlitter (1981). Chromosomal banding studies and their systematic implications in African fruit bats (Chiroptera: Pteropodidae). Abstract.

Analysis of data derived from standard karyotypes can give information concerning differences between individuals, species, and genera, and similarities can be only inferred. New techniques utilizing differentially stained chromosomes (G- and C-banding) now allow a more quantitative approach for the determination of homologies as well as types and magnitude of chromosomal differences. Standard and banded karyotypes of *Epomops franqueti, Hypsignathus monstrosus*, and two species of *Epomophorus* are compared and contrasted. The chromosomal banding data are then used to place nine species and eight genera in a systematic arrangement based on the occurrence of homologous elements and shared rearrangements.

Robbins, L. W. and V. M. Sarich (1988). Evolutionary relationships in the family Emballonuridae (Chiroptera).

Protein electrophoresis and immunology were used to test hypotheses concerning phylogenetic relationships within the family Emballonuridae and the relationship of the family Rhinopomatidae to the Emballonuridae. These data indicate the presence of three major subdivisions within the family. The eight genera from the New World form one monophyletic group, the Old World genera *Taphozous* and *Saccolaimus* form the second, and *Emballonura* and *Coleura* the third. The *Emballonura-Coleura* lineage is more closely related to the New World genera than to the other Old World group. The family Rhinopomatidae was found to be distantly related to both the Emballonuridae and the Vespertilionidae.

Roberts, A. (1914). Supplementary list of African Mammals in the collection of the Transvaal Museum, with descriptions of some species.

Since the catalogue of African Mammals in the collection of the Transvaal Museum was published last year (Ann. T.M., Vol. III, part 2, pp. 65-109), some notable additions have been made by an expedition to south-eastern Rhodesia, undertaken by the Taxidermist and the writer, for the purpose of procuring specimens to replace those formerly in the mounted collection, and skeletons of some of the larger antelopes. A few specimens have also been acquired by purchase or donation, and a number of specimens of scientific value have been found in the store of flat skins in charge of the Taxidermist. In addition to these the names of a few species found amongst the exotic specimens and overlooked in my former paper are now included to complete the list of species.

Roberts, A. (1946). Descriptions of numerous new subspecies of mammals.

During the course of critically examining the collection of mammals in the Transvaal Museum, numerous undefined subspecies were found to need naming, and they are given hereunder. There can be no doubt that we have much more to learn about the forms and distribution of the mammals in South Africa, and as new material is acquired, more will have to be named. As a result of this critical examination, it is becoming more and more apparent that there are certain ecological conditions which produce somewhat similar results in the local forms of mammals, often repeated in sedentary species of birds, going to show the importance of such studies in the evolution of species, for, in some cases, isolation of the subspecies has led to specific establishment. This is most evident in those of very local habitat, while those which tend to wander and intermingle with individuals from adjacent territories seldom become specifically isolated in the modern forms. Thus in the two species of hares of the genus *Lepus*, the range of variation under extremely different conditions of environment is very wide, but links between these subspecies exist, whereas in the genus *Pronolagus* there are more species, some of which overlap in distribution, and in some of these species subspecies may be noted.

Roche, J. (1972). Recherches mammalogiques en Guinée forestière.

Une collection de Mammifères de Guinée forestière (République de Guinée) a été rassemblée dans la région de Sérédou. A côté d'une forte proportion de représentants du milieu forestier, figurent quelques espèces d'origine savanicole. Le matériel ainsi réuni est étudié par groupes zoologiques, avec des discussions concernant la systématique, la répartition géographique, éventuellement l'écologie et les rapports avec l'homme, des différentes espèces.

A collection of Mammals from the forested part of the Republic of Guinea has been made in the region of Seredou. Next to a large proportion of forest animals stand a few savanna species. This material is studied by zoological groups and discussions concern systematic, geographical distribution and eventually the ecological aspect and the relations with man, of the different species.

Rode, P. (1937). Etude d'une collection de mammifères de l'Afrique occidentale.

Au cours d'une mission en Afrique occidentale française (déc-1935-mars 1936), mission qui avait pour but essentiel de recueillir la documentation nécessaire à la mise au point d'un ouvrage sur les Primates de l'Afrique, nous avons pu récolter quelques spécimens de Mammifères, en Guinée, au Soudan et au Sénégal. Cette petite collection d'Ongulés, de Carnivores, Rongeurs, Chiroptères et Primates, présente un certain intérêt pour les collections de Zoologie des Mammifères, puisqu'elle a permis d'inscrire 51 pièces, dont un certain nombre appartiennent à six espèces ou sous-espèces qui n'existaient pas au laboratoire.

Nous avons volontairement laissé de côté l'énumération de pièces histologiques et d'organes divers destinés à des recherches dont les résultats paraîtront ultérieurement.

Rode, P. (1941). Catalogue des types de mammifères du Muséum Nationale d'Histoire Naturelle. Ordre des Chiroptères.

La présente liste de types fait suite aux deux articles précédemment publiés, le premier sur les types de Simiens, le second sur les types de Lémuriens.

La collection de Chiroptères du Laboratoire de Zoologie des Mammifères du "Muséum National d'Histoire Naturellle de Paris comprend des animaux montés, des animaux en peau et des spécimens conservés en alcool, soit 140 pièces au total.

Les types contenus dans ces trois séries ont été retirés, classés et font l'objet du présent catalogue dont le plan est le même que celui qui a été adopté dans les deux précédents 1 et 2.

Rode, P. (1947). Les mammifères de l'Afrique du Nord. 1.

Les biogéographes englobent dans la zone dite "palearctique" le Nord de l'Afrique, c'est-à-dire, en principe, la région séparée de la zone éthiopienne par le Sahara, aujourd'hui désertique.

Si l'on considère l'histoire du peuplement de cette région nord-africaine on y retrouve, d'une part, des éléments eurasiatiques et d'autre part des éléments tropicaux. Au début.du Quaternaire, le nord de l'Afrique était peuplé d'un faune d'aspect surtout tropical, le Sahara étant, à cette période, une région habitée et fertile. En raison de la présence en Afrique du Nord d'organismes d'origine très variée, mais dont les rapports sont cependant plus étroits avec la zone tropicale qu'avec la zone palearctique, nous considérons que cette région doit être plutôt incluse dans le système éthiopien, le Sahara n'étant pas encore entièrement dépeuplé, mais pourvu d'une faune mammalogique variée et intéressante.

Il y a lieu, sans, doute, de considérer l'Afrique du Nord comme un domaine de transition entre le monde paléarctique et le monde tropical: mais c'est surtout une zone du système tropical. La Berbérie, limitée au nord par la mer et au sud par les chaînes montagneuses n'est pas une région isolée, mais, en dehors de quelques formes paléarctiques, c'est un simple territoire de bordure.

L'étude des Mammifères est, à cet égard, particulièrement démonstrative. Nous allons essayer de synthétiser, en quelques courts chapitres, les éléments actuels de cette faune, en montrant du point de vue zoologique les rapports avec les types purement tropicaux et, quand il y a lieu, la présence de types paléarctiques en donnant, chaque fois que cela ser.a possible, les caractères biologiques essentiels. Mais plus encore que pour les Mammifères européens il faut reconnaître que nous n'avons pas, maigre les nombreux travaux publiés, une connaissance complète de cette faune surtout en ce qui concerne les micromammifères sahariens ou marocains et que des découvertes sont encore possibles.

Nous' serions très heureux si cette ébauche de mise au point pouvait servir de guide à des chercheurs pour préciser nos connaissances et leur donner le désir d'apporter de nouveaux documents indispensables pour nue étude complète.

Notre étude des Mammifères de l'Afrique du Nord se limitera aux territoires suivants: Maroc, Algérie et Tunisie. La zone algérienne comprendra la région admiuistrativement désignée sous le nom de Territoires du Sud. En fait, au point de vue géographique, nous mentionnerons autant que possible toutes les espèces comprises au nord du tropique du Cancer.

La faune de-l'Afrique du Nord a été particulièrement étudiée par LOCHE (1), LATASTE (2), CABRERA (3), H. HEIM DE BALSAC (4). Citons également la contribution importante et répartie dans de nombreuses notes, de O. THOMAS, JOLEAUD, MORALES AGACINO, P. LAURENT.

Les Mammifères représentés en Afrique du Nord appartiennent aux ordres suivants: Primates, Insectivores, Chiroptères, Carnivores, Rongeurs et Ongulés.

Rodgers, W. A. and K. M. Homewood (1982). Species richness and endemism in the Usambara mountains forests, Tanzania.

The East Usarnbara Mountain forests constitute what is probably one of the richest biological communities in Africa in terms of plant and animal species numbers and endemic taxa. This review presents brief accounts of the flora and of three invertebrate and four vertebrate groups and shows the percentage endemic taxa to vary from 2 % (mammals) to 95 % (millipedes) as a proportion of the true forest species.

Notes are given on the geology, soils, climate and present land use of the Usambaras. Biological richness is considered to be due to long periods of isolation and geological stability coupled with periods of species immigration during times of re-establishment of a continuous forest cover. The nature of the endemic elements is brieflv discussed.

Evidence is given to show that the forests are subject to increasing pressure from legal and illegal encroachment due to agriculture (tea, cardamon, subsistence) and forestry timber operations. Air photograph analysis shows a forest decrease of some 50 % in the vicinity of Amani from 1954 to 1976.

The low conservation status of most forest reserves and the lack of detailed knowledge on the distribution, status and biology of the endemic species means present conservation efforts are poor and haphazard. This review calls for greatly increased research inputs and a complete halt to all exploitation of natural forest areas until a long term conservation land use plan can be implemented.

Rodgers, W. A., C. F. Owen and K. M. Homewood (1982). Biogeography of East African forest mammals.

This paper analyses the distribution of seventy-three mammal species in seventeen East African forest sites of differing geological history (recent volcanic, ancient block faulted and lowland alluvial). Association analysis and principal coordinate analysis indicate four groupings (West, North, South and Coast) based on species presence. The levels of similarity between these groups are used to test previous ideas on spread of forest mammals through East Africa. The western sites have the highest richness and endemism and represent the main refuge and colonization source. The North group show overall impoverishment, low endemism and high dependence on the western fauna. The South group shows higher cndcnusm, the Coast fauna is the most impoverished, and highly dependent on South group elements. These findings are discussed with respect to current interpretations of bioclimatic events and forest environments in the East African Pleistocene and are used to investigate a specific example concerning the distribution of a recently discovered rare forest primate.

Rodríguez-Durán A. (1995). Metabolic rates and thermal conductance in four species of neotropical bats roosting in hot caves.

Data are presented on metabolic rates and thermal conductance for four species of neotropical bats, *Pteronotus quadridens, Mormoops blainvillii* (Mormoopidae), *Monophyllus redmani* and *Erophylla bombifrons* (Phyllostomidae). Each of these bats predominantly or exclusively roosts in hot caves (28 - 40° C) in Puerto Rico. Basal metabolic rates (BMR) for these four species were 55 %, 48 %, 66 %, and 66 % of values expected from the Kleiber curve, respectively. Thermal conductance was 93 %, 55 %, 175 %, and 158 % of values expected from the Aschoff curve, respectively. These data indicate that, in addition to food habits, variation in BMR is highly correlated to roost microclimate. *Pteronotus* and *Mormoops*, like other insectivorous species, have low BMRs. The low BMR of the nectar/fruit eating *Monophyllus* and *Erophylla*, as well as the low termal conductance in *Mormoops*, is consistent

with their habit of roosting in hot caves, suggesting that roost microclimate is an important selective force in the physiological adaptation of these bats.

Roer, H. (1970). Zur Wasserversorgung der Microchiropteren *Eptesicus zuluensis vansoni* (Vespertilionidae) und *Sauromys petrophilus erongensis* (Molossidae) der Namibwüste.

On the central Kuiseb in the southem Namib insectivorous bats are to be found at an important density. The following species could be approved: *Eptesicus hottentotus pallidior (Vespertilionidae), Eptesicus zuluensis vansoni (Vespertilionidae), Sauromys petrophilus erongensis (Molossidae)* and *Nycteris thebaica damarensis (Nycteridae)*.

Under the extreme climatic conditions the microchiroptera find prey enough, at least during the summer months, because this dry river-bed with its trees that partially are compact like a forest, offers favourable conditions of development to insects (above all to *Coleoptera, Lepidoptera* and *Hymenoptera*). It is being examined in which way these desert bats provide for their need of water in a region where we hardly find open water places during a large period of year. Feeding experiments have shown that *Eptesicus zuluensis vansoni* and *Sauromys petrophilus erongensis* can do without having water for several months if they find enough insects. During the observation period a female of *E. zuluensis vansoni* gave birth to twins, one young of which was nourished up to the end of the lactation period.

Roer, H. (1971). Zur Lebensweise einiger Microchiropteren der Namibwüste.

Am mittleren Kuiseb in der südlichen Namibwüste kommen insektenfressende Fledermäuse in erheblicher Populationsdichte vor. Es wurden folgende Arten nachgewiesen: *Eptesicus hottentotus pallidior (Vespertilionidae), Eptesicus zuluensis vansoni (Vespertilionidae), Sauromys petrophilus erongensis (Molossidae)* und *Nycteris thebaica damarensis (Nycteridae)*. Wenn diese Microchiropteren unter den dortigen extremen Klimabedingungen zumindest währens der Sommermonate genügend Beutetiere finden, so deshalb, weil dieser Trockenfluß mit seinem teilweise galerieartigen Baumbestand Insekten (vor allem Coleopteren, Lepidopteren und Hymentopterenà günstige Entwicklungsmögelichkeiten bietet. Es wird undersuch, wie diese Wüstenfledermäuse ihren Wasserbedarf in einem Gebiet decken, das während eines großen Teils des Jahres kaum offene Wasserstellen aufweist. Füttungsversuche haben ergeben, dass *Eptesicus zuluensis vansoni* und *Sauromys petrophilus erongensis* mehrere Monate ohne Trinkwasseraufnahme leben können, wenn ihnen genügend Insektennahrung zur Verfügung steht. Ein *zuluensis vansoni*-Weibchen hat während der Versuchszeit Zwillinge geboren, von denen ein Junges bis zum Ausgang der Laktationsperiode ernährt wurde.

On the central Kuiseb in the southem Namib insectivorous bats are to be found at an important density. The following species could be approved: *Eptesicus hottentotus pallidior (Vespertilionidae), Eptesicus zuluensis vansoni (Vespertilionidae), Sauromys petrophilus erongensis (Molossidae)* and *Nycteris thebaica damarensis (Nycteridae)*. Under the extreme climatic conditions the microchiroptera find prey enough, at least during the summer months, because this dry river-bed with its trees that partially are compact like a forest, offers favourable conditions of development to insects (above all to Coleoptera, Lepidoptera and Hymenoptera). It is being examined in which way these desert bats provide for their need of water in a region where we hardly find open water places during a large period of year. Feeding experiments have shown that *Eptesicus zuluensis vansoni* and *Sauromys petrophilus erongensis* can do without having water for several months if they find enough insects. During the observation period a female of *E. zuluensis vansoni* gave birth to twins, one young of which was nourished up to the end of the lactation period.

Rosevear, D. R. (1962). A review of some African species of *Eptesicus* Rafinesque.

The confusion of nomenclature and identity existing amongst early species of *Eptesicus* and its causes are detailed. From the original measurements and other "classic" descriptions, set forth in Table 1, a proper allocation of names is deduced. In Table 2 it is shown that British Museum spirit specimens largely conform to the grouping disclosed in Table 1; but measurement of connected series available in the dried collection, summarized in Table 3, demonstrates a complete bridge between two supposed size groups, and reveals that an apparently homogeneous series is in fact divisible on cranial features as well as length of fur. Probable specific size ranges and the correct names to apply to these are shown in Table 4. *E. capensis* is regarded as a complex species widely spread over the continent, variable in size, colour and perhaps other characters at a subspecific level, possibly more in relation to climate than locality; but material at present available is insufficient to serve as a proper foundation for any permanently useful subdivision. Synonymy is indicated. Characters which now appear to separate *somalicus* from *capensis* may in time be shown not to be specific. *E. pusillus* may possibly not exist. The value of diagnostic characters used in *Eptesicus* and colour variation are both discussed.

La confusion qui règne dans Ia nomenclature et la systématique des especes anciennement decrites du genre *Eptesicus* et ses causes sont exposées. D'après les mensurations originales et les descriptions "classiques", resumées dans Ie Tableau 1, une synonymie est proposée. Dans le tableau 2, il est montré que Ies spécimens conservés en alcool au British Museum sont conformes en tous points au groupement systématique du Tableau 1; mais la mensuration d'une série correspondante de la collection de peaux, résumée dans Ie Tableau 3, traduit une série continue entre deux groupés supposés séparables par leur tail le. Il révèle, de plus, qu'une série apparemment homogène est, au fait, divisible par des caractères craniologiques ainsi que par la longueur du pelage. Les limites de variation probables des espèces et les noms applicables à celles-ci sont indiqués dans le Tableau 4. On peut considérer *E. capensis* comme une espèce polymorphe, répandue sur tout Ie continent, variable en taille, en coloration, et aussi quant à ses autres caractères, permettant de distinguer des sous-espèces peut-être plus en rapport avec Ie climat qu'avec la répartition géographique; mais Ie matériel disponible ne suffit pas a subdiviser l'espèce d'une manière utile. La synonymie est indiquée. Les caractères qui paraissent actuellement permettre de separer *somalicus* de *capensis* pourraient se révéler un jour ne pas être spécifiques. *E. pusillus* n'est peut-être pas valable. La valeur des caractères de diagnostic utilisés dans Ie genre *Eptesicus* et les variations de couleur sont discutées d'une manière critique.

Rosin, G., I. Landau and J.-P. Hugot (1978). Considérations sur le genre *Nycteria* (Haemoproteidae) parasite de Microchiroptères africains avec description de quatre espèces nouvelles.

Cinq espèces de *Nycteria* ont été étudiées en Afrique centrale (Gabon et Congo-Brazzaville). Elles se répartissent en 2 groupes distincts: les parasited de *Nycteris* ayant de gamétocytes "en cocarde": *N. medusiformis, N. houinin* n. sp. Et *N. erardi* n. sp.: les parasites de *Rhinolophus* qui ont des gamétocytes "diffus": *N. gabonensis* n. sp. Et *N. krampitzi* n. sp.

Les caractères du genre *Nycteria* et sa place parmi les autres Hémosporidies sont analysés.

5 species of *Nycteria* from Central Africa (Gabon and Congo-Brazzaville) were studied. They can be divided into two distinct groups: the parasites of *Nycteris* with gametocytes "en cocarde": *N. medusiformus, N. houini* n. sp. And *N. erardi* n. sp.; the parasites of *Rhinolophus* with gametocytes of the "diffus" type: *N. gabonensis* n. sp. And *N. krampitzi* n. sp.

The characteristics of the genus *Nycteria* and its place amongst the other Haemosporidia are analysed.

Rowe-Rowe, D. T. and P. J. Taylor (1996). Distribution patterns of terrestrial mammals in KwaZulu-Natal.

Distribution patterns, plotted by eighth-degree squares (7.5' x 7.5'), of the 162 mammal species recorded in the province of KwaZulu-Natal, South Africa were examined in relation to the combined factors of vegetation type, climate, and altitude (= bioregions); and in relation to protected areas within the nine bioregions. Highest species richness was recorded in the warmest most heterogeneous (vegetation) bioregions, and lowest in a cool montane region. Species richness was intermediate in relatively homogeneous, predominantly grassland bioregions. Mammalian biodiversity in KwaZulu-Natal is concentrated in the savanna regions in the north-east of the province, although further species-rich areas are found in the north-west and south-west for carnivores, and in the central region for many of the smaller mammals (Insectivora, Chiroptera, Rodentia). Analysis of taxonomic resemblances between bioregions distinguished taxonomically distinct 'savanna' and 'grassland' groups. Taxonomic resemblances between bioregions were generally lowest in bats (i.e. greatest bioregion specificity) and highest in carnivores (i.e. lowest specificity). In total, 92% of the mammal species occur in one or more protected areas. The percentages of species within protected areas in each of the bioregions are generally high (68 - 100%). In four of the bioregions the amount of land occupied by protected areas is adequate (6 - 96%) and protected areas are large, but in the other five bioregions the opposite holds (< 2% protected) and populations within them may not be viable.

Ruedi, M. and R. Arlettaz (1991). Biochemical systematics of the Savi's bat (*Hypsugo savii*) (Chiroptera: Vespertilionidae).

In order to assess the controversial systematic position of the Savi's bat (*Hypsugo savii*), 43 vespertilionid bats belonging to 10 species were analyzed by mean of isozyme electrophoresis. The results were interpreted in two ways: first, we found that the amount of genetic differentiation between *Hypsugo* and the true *Pipistrellus* (D = 0.719) is of the same magnitude as the mean distance which separates the other pipistrelloid genera (D = 0.738). Secondly, the cladogram based on these biochemical results confirms the splitting of these "pipistrelles ", as *Hypsugo* is more closely related to *Vesperitlio* than to any other palearctic genus. The other species analyzed in this study group themselves in a different clade, including *Pipistrellus, Eptesicus* and *Nyctalus* . This phylogenetic interpretation presents a testable hypothesis, which could be confirmed by an analysis or other loci or other allied species.

Rushton, A. R. (1970). Cytotaxonomy and chromosomal evolution of the bats (Mammalia - Chiroptera).

An extensive literature search has compiled diploid chromosome numbers for 110 species of bats. Karyotypes for 87 of these have been reported and are used as the basis for defining tentative cytological relationships within the families Pteropodidae, Rhinopomatidae, Phyllostomatidae, Desmodonlidae, Rhinolophidae, and Vespertilionidae. Before more definitive intrafamilial relationships can be established, karyotypes from more species of the order Chiroptera must be reported.

Une compilation extensive a fourni le nombre diploïde des chromosomes de 110 espèces de Chauves-Souris. A partir de 87 caryotypes connus, on s'est efforcé d'établir les relations cytologiques existant à l'intérieur des familles suivantes: Pteropodidae, Rhtnopomatidae et Vespertilonidae. Pour établir des relations interfamiliales absolument certaines, la connaissance du caryotype de nouvelles espèces est encore nécessaire.

Ruxton, A. E. (1926). On mammals collected by Captain C.R.S. Pitman, Game Warden, Entebbe, Uganda.

This collection has been made, except where otherwise stated, in the Eastern Trans-Nzoia district, the Cherangani Hills, and on the river Kerio Suk, Kenya Colony, lat. 0° 56' N, 35° 16' E.

The altitudes for all specimens except those with the word "Suk" after the collector's number, are from 6000' to 6400'; thos from the River Kerio Suk, 3500'.

The collection contains a fine series of six skins and five skulls of a new species of oribi from Lake Nakivali, Ankole, Uganda.

Rydell, J. and R. Arlettaz (1994). Low-frequency echolocation enables the bat *Tadarida teniotis* to feed on tympanate insects.

The European free-tailed bat, *Tadarida teniotis*, forages in uncluttered airspace by using intense narrowband echolocation calls with low frequency (11-12 kHz), and feeds on relatively large flying insects, mainly (90 % by volume) of the tympanate orders Lepidoptera and Neuroptera. The use of low-frequency echolocation calls without strong harmonics appears to be a specialization for long-range detection of large, tympanate insects, which are less well represented in the diet of most other aerial-hawking bats. The results provide evidence in support of the allotonic frequency hypothesis, i.e. that use of echolocation calls with frequencies above or below the best hearing of tympanate insects is an adaptation to increase the availability of these insects.

Rydell, J. and D. W. Yalden (1997). The diets of two high-flying bats from Africa.

The diets of two fast-flying, aerial-hawking bats from north-east Africa (Ethiopia) were investigated by means of faecal analysis. *Otomops martiensseni* (Molossidae; c. 35 g body mass), which is remarkably specialized morphologically with very long, narrow wings and large ears, and which uses low frequency echolocation (10 kHz), feeds almost exclusively (97 % by volume) on moths, mostly of large species. The smaller (20 g) *Taphozous perforatus* (Emballonuridae) also has long, narrow wings but short ears and is less morphologically extreme than *Otomops*. It feeds on moths (56 %), but also on many other insect groups such as Isoptera (14 %), Coleoptera (10 %), Orthoptera (8 %), as well as Hemiptera, Neuroptera, Hymenoptera and Diptera. *Otomops martiensseni*, in particular, appears to be a highly specialized moth predator.

Sabatier, M. and S. Legendre (1985). Une faune à rongeurs et chiroptères plio-pléistocènes de Madagascar.

Une faune de vertébrés fossiles, contenant principalement des mammifères, a été découverte dans le Sud-Ouest de Madagascar, près du lac Tsimanampetsotsa. Trois ordres de mammifères sont représentés: les insectivores Lipotyphla avec une espèce, les chiroptères avec cinq espèces et les rongeurs avec quatre espèces. Un âge pliocène ou pléistocène ancien est proposé pour le gisement.

A fossil vertebrate fauna, containing mainly mammals, was found in southwestern Madagascar, near the lake Tsimanampetsotsa. Three orders of mammals are represented: insectivores Lipotyphla, with one species, Chiroptera, with five species, and rodents, with four species. A Pliocene or early Pleistocene age is proposed for this locality.

Sanborn, C. C. (1936). Descriptions and records of African bats.

This paper contains a complete list of the bats collected by the Straus West African Expedition and descriptions and notes on others collected by the Conover-Everard African and Chicago Daily News Abyssinian Expeditions of Field Museum. The taking of certain forms in French Sudan and Nigeria which were known only from Belgian Congo is of special interest.

I am indebted to Mr. Gerrit S. Miller, Jr., and to Dr. H. E. Anthony for the loan of many specimens

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Sanborn, C. C. (1939). Eight new bats of the genus *Rhinolophus*.

During recent work on a revision of the bats of the genus *Rhinolophus* eight new forms were discovered. These are described here in advance of a complete report, which will appear later.

I wish to thank Mr. M. A. C. Hinton and Mr. T. C. S. Morrison-Scott for their help while I was at the British Museum (Natural History) and for permission to describe two of these new forms. Through the generosity of Dr. H. Boshma and Dr. G. C. A. Junge of the Rijksmuseum van Natuurlijke Historie in Lieden, I am able to describe two others.

This work was done with the aid of a Fellowship from the John Simon Guggenheim Memorial Foundation and with the permission of Field Museum of Natural History, during parts of 1938 and 1939

Sanborn, C. C. (1949b). Bats of the genus *Micronycteris* and its subgenera.

The bats of the genera *Micronycteris, Glyphonycteris*, and *Xenoctenes* were originally placed in the genus *Schizostoma* Gervais 1856. This name was preoccupied by *Schizostoma* Bronn 1835, a genus of Mollusca. *Micronycteris* Gray 1866 is the next available name. The genus *Glyphonycteris* was erected by Thomas in 1893 for three of the species and *Xenoctenes* by Miller in 1907 for one of the species.

The genera *Micronycteris* and *Glyphonycteris* were revised in 1906 by Dr. Knud Andersen (1906, pp. 50-65). His material totaled 59 specimens, and he examined all but three species (*M. microtis, M. hypoleuca*, and *G. brachyotis*). The genus *Glyphonycteris* is not represented in collections in the United States. A photograph of the type skull of *G. sylvestris* is reproduced here (fig. 49). Specimens of bats closely related to these genera have recently been received from the Trinidad Zoological Expedition, 1947, of Chicago Natural History Museum; from Brother Niceforo Maria of Bogota, Colombia; and by loan from the American Museum of Natural History, New York.

When the characters of the three described genera and the characters of the three series of bats from Trinidad, Colombia, and Brazil are tabulated it may be seen that the differences consist of various combinations of characters rather than diagnostic characters that might be regarded as of generic importance. The relationship of these bats may be more clearly indicated by placing them all as subgenera of *Micronycteris*. This will combine the bats of the Subfamily Phyllostominae, in which the tail extends to the middle of the interfemoral membrane and the middle lower premolar (pm_3) is not reduced.

I wish to thank Dr. H. E. Anthony of the American Museum of Natural History, New York, for the loan of very helpful material and for permission to describe a new subgenus and species from the American Museum specimens. Thanks are due also to Brother Niceforo Maria of the Instituto de La Salle, Bogota, Colombia, for the gift of five specimens representing another new subgenus and species.

Sanborn, C. C. (1950). Chiroptera from Dundo, Lunda, North-eastern Angola.

The bats on which this report is based were collected by Dr. A. de Barros Machado in . . . Dundo, Lunda, Northeastern Angola, a region where practically no mammals have been collected. The bat fauna, while largely like that of the Belgian Congo also contains representatives from other areas. There are 18 species represented in the collection of which six are common to both Angola and the Congo; four have been recorded from the Congo but not . . . two from Angola but not the Congo; and six have not been taken in either country. Of the 18 species, 10 are here recorded from Angola for the first time (denoted by an asterisk). Another is described as new.

The collection brings the total number of bats known from Angola to 65, which about equals the number recorded from the Congo. There are now fifteen species that have been taken . . . Angola and the

Belgian Congo. Our knowledge of the distribution of African bats has greatly augmented by this material and it is hoped that further collections from the region be made.

Sanborn, C. C. (1953). Notes sur quelques mammifères de l'Afrique équatoriale française.

Une collection d'une centaine de mammifères a été réunie par H. A. BEATTY au cours des années 1951 et 1952 pendant qu'il était occupé à collecter des oiseaux pour le Chicago Natural History Museum au Gabon et dans le Moyen Congo, en l'Afrique Equatoriale Française. Outre de nombreuses espèces communes, déjà mentionnées par MALBRANT et MACLATCHY (1949), la collection contient une nouvelle espèce d'écureuil et quelques autres particulièrement intéressantes.

These notes list seven of the rarer mammals from the Gabon and Moyen Congo and contain the description of a new species of squirrel. *Rhinolophus fumigatus* is recorded for the first time from western Africa; color variations are described and measurements given for *Hipposideros gigas*; and an unusual specimen of *Glauconycteris beatrix* is listed.

Sanborn, C. C. and H. Hoogstraal (1953). Some mammals of Yemen and their ectoparasites.

Late in 1950, His Majesty Imam Ahmad bin Yahya Hamid al-din, King of Yemen, invited Captain J. J. Sapero, M.C., U.S.N., Director of the United States Naval Medical Research Unit, Cairo, Egypt, to send a group of experts to make a brief medical survey of the Yemen for His Majesty's guidance in future disease control administration. The group, which became known as the United States Naval Medical Mission to the Yemen, was composed of Commander Robert A. Mount, epidemiologist; Lieutenant Commander Kenneth L. Knight, entomologist; Lieutenant Robert E. Kuntz, parasitologist; Mr. Harry Hoogstraal, medical zoologist; Hospital Corpsman Joseph R. Baranski, bacteriological technician; and Abdel Azis Salah Effendi, general technical assistant and interpreter. The specimens collected by the Mission .were sent to Chicago Natural History Museum and were identified by the senior author.

In order to learn as much as possible about parasite-bearing mammals in the short period of six weeks, during which other professional and social duties had to be fulfilled, it was decided to specialize on the common species in or near populated areas. For this reason little or no attempt was made to secure rarities. The work began at Ta'izz, in an area representative of middle altitude flora and fauna, on January 7, 1951, and continued through January 24. The facilities and period for study in the Ta'izz region were the best encountered during the survey, and the collections from this region are probably the most broadly representative of any of those from the three altitudinal areas visited.

On January 25 and 26 the party drove down to the coastal desert lowlands (*Tihama*) and at Hodeida commenced operations which lasted till February 4. Although the Hodeida stay was short, and facilities for work were not equal to those of Ta'izz,the collections obtained in this area well represent the common fauna at this season.

On February 4 the party lest Hodeida by jeep and climbed upward, via Bajil, 'Obal, and Hammam' Ali, through rich lower middle altitude country that we heartily recommend to fture biologists who study the natural history of Yemen. On February 5 the expedition reached Ma'bar, at 7,400 feet elevation, and remained there until February 10. The rather barren Ma'bar plateau furnished some interesting material, and the fertile valleys and hills around it are of evident intereste. Tha last highland station, reached in a few hours' drive from Ma'bar, was at San'a, 7,100 feet elevation, where the party remained till February 19, when it departed by plane. The Ma'bar and San'a collections provide a useful picture of the upland fauna, though field work at San'a was seriously curtailed.

All small mammals,except as otherwise noted, were either shot and placed in a bag to be examined for ectoparasites or were live-trapped and killed as quickly as possible afterwards, so that their parasites could be collected. The party had been erroneously advised not to take firearms to the Yemen and so was unable to collect many of the larger mammals. Thanks to the Crown Prince, Seif el Islam Albadr, the expedition was furnished with a Royal Guard, who provided some game with his gun.

The work in the Yemen was done during the height of the dry season. Hunting, trapping, and parasite infestation would probably be quite different during the rainy season.

For an excellent general account of the Yemen, with emphasis on the biological features, the reader is referred to Hugh Scott's *In the High Yemen* (1942, John Murray, London). The experiences of the U. S. Naval Medical Mission to the Yemen have been presented in the National Geographic Magazine (February, 1952). Geomedical observations made by the mission have been reported by Mount (1953).

Besides the mammals mentioned below, no others were seen except baboons, which were very common around Ta'izz. The party was told that none occurred in the coastal lowlands or in the high mountains around Ma'bar and San'a, and none were seen in these places. Hedgehogs were said to be common in the lowlands where the coastal lowlands meet the foothills, and in the foothills. The African Arabic word for mongoose never elicited a response of recognition. The Yemeni insist that the giraffe and lion exist in their hinterlands. Whether they now do is of course doubtful, but we would not be surprised to learn that the lion and giraffe were there until recent times. One man in San'a insisted that a large,striped *nam'r* ("tiger"') exits in the mountains to the east; he may have seen a picture in a book!

We are indebted to Dr .T. C. S..Morrison~Scott and to Mr. R. W. Hayman of the Mammal Department, British Museum (Natural History), for comparing the types in their care with our specimens of *Meriones* and *Gerbillus* and for advice regarding the identification of the gazelles.

Sanborn, C. C. and H. Hoogstraal (1955). The identification of Egyptian bats.

Means for identifying Egyptian bats in the form of keys to their external characters and to their dentition are provided. The type locality, known distribution in Egypt, and dental, skull, and external features are described for the following bats: *Rousettus a. aegyptiacus, Rhinopoma hardwickei cystops, R. microphyllum, Taphozous p. perforatus, T. (L.) nudiventris, Nycteris t. thebaica, Rhinolophus c. clivosus, R. c. brachygnathus, R. mehelyi, R. hipposideros minimus* (from Sinai, first Egyptian specimens), *Asellia t. tridens, Plecotus auritus christiei, Otonycteris h. hemprichi, (Nycticeius s. schlieffeni), (Eptesicus isabellinus innesi), Pipistrellus k. kuhli, (P. ariel), (P. r. ruppelli); (Barbastella l. leucomelasà, Tadarida teniotis ruppelli*, and *T. a. aegyptica*. All species except those enclosed in parentheses above have been collected in Egypt by the Medical Zoology Department of U.S. Naval Medical Research Unit Number Three (Cairo).

Satunin, K. A. (1905). Neue und wenig bekannte Säugetiere aus dem Kaukasus und aus Transkaspien.

Die Poststation Gudaur der Grusinischen Heerstrasse befindet sich auf dern Südabhang dicht beim Pass Krestovy-Pereval, der hier über das Hauptgebirge führt, und ist ein sehr bequemer Ort zur Erforschung der alpinen Fuana dieses Gebirgs. Dieser Pass liegt in 2431 M. H. und die Station selbst in 2208 M. Um sie herum befinden sich alpine Wiesen, stellenweise jedoch ist der Boden steinig un hier un da treten steile Felsen zu Tage. Etwas weiter unten trifft man auf ausgedehnte Bestände von *Azalea pontica* (= *Rhodo flavum*). Bei Gudaur wurde im Jahre 1900 das interessanteste Tier des Kaukasus gefunden, die einzige im Kaukasus endemische Gattung der Vertebraten repräsentierend - *Prometheomys schaposchnikowi* SATUNIN. Vom Wunsche beseelt dieses originelle Nagetier weiter zu erforschen, reiste ich im Juni 1901 zum Krestovy- und Bursacilj-Pass. Während meines zweitägigen Aufenthalts auf der Station Gudaur erbeutete ich hier, ausser *Prometheomys*, noch folgende Säugetiere: *Crocidura güldenstaedti* PALL., *Putorius boccamela caucasicus* BARR.-HAM., *Mus sylvaticus arianus* BLANF. und *Microtus arvalis* PALL. Nachfragen ergaben, dass hier nich selten auch Wölfe und Füchse vorkommen, auf dem umgebenden Bergen kommen Ture vor *Capra cylindricornis* BLYTH. Direktor A. N. KAZNAKOV vom Kaukasischen Museum hielt sich während einer seiner Exkursionen im Juli 1908 auch in Gudaur einige Tage auf, haupsächlich gerade um Exemplare von *Prometheomys* zu erhalten, von denen bis zu der Zeit nur zwei Stück bekannt waren. Währen dieser Tage nun erbeutete er nicht nur eine ganze Familie dieses Nagers, sondern auch eine andere Tiere

un lehrte ausserdem einem Einwohner der Station das Sammeln von kleinen Säugetieren, welcher in der Folge eine bedeutende Anzahl von *Prometheomys* und verschiedene Feldmäuse erbeutete und dem Kaukasischen Museum zuschickte. Auf diese Weise erreicht die Zahl der Arten von Mikromammalia aus Gudaur schon die Ziffer 8 und dieser Ort is daher der einzige Punkt der ganzen alpinen Zone des Kaukasischen Hauptebirgs, dessen mikromammalogische Fauna schon ziemlich genau bekannt ist. Ich führe hier weiter unten die Liste von der von dort bekannten Tiere an.

XIV. Von A.M. Sugurov im Gouvernement Kutais gesammelte Säugetiere.

Was die Säugetiere anbetrifft, so repräsentiert das Gouvernement Kutais in dem allergrössten Teile seines Territoriums buchstäblich eine "Terra incognita", wesswegen auch jede Sammlung uns einen wertvollen Beitrag zur Kenntnis über die Verbreitung der Säugetiere liefert. Die Sammlung A. M. SUGUROVS, Lehrers der Naturwissenschaften am Kutaiser Gymnasium, erhält 8 Arten, von denen besonders interessant, *Vespertilio murinus* L. ist, von dem das Museum bisjetzt keine Exemplare aus dem westlichen Transkaukasien hatte.

XI. Von Satunin und Rostovtsev in Bakuriani 1908 gesammelte Säugetiere.

Währen einer meiner Dienstreisen im Sommer 1908 verbrachte ich einige Tage in Bakuriani (bei Borzom). Ich nutzte dies aus und stellte im Walde verschiedene Fallen auf, wobei ich den Studenten des Kais. Forstinstituts ROSTOVTSEV darum bat auf sie aufsupassen. In freundlichster Weise erfüllte Herr ROSTOVTSEV meine Bitte und sandte mir nach tiflis asse Erbeutete. Ich benutze hier die Gelegenheit ihm meinen herzlichsten Dank auszusprechen.

XVI. Mammalia des Kaukasus un der angrenzenden Länder aus den Sammlungen des Zoologischen Museums der Kaiserl. Akademie der Wissenschaften in St. Petersburg.

Im November 1908 hatte ich die Möglichkeit dank der Frundlichkeit des Direktors des Zoologischen Museums der Kais. Akad. Der Wissenschaften einen Einblick in die Sammlungen des Museums, speziell der *Chiroptera* und *Insectivora* zu tun. Zweck meiner Arbeit war die Durchsicht sämmtlichen Materials vom Kaukasus, welches sich hier befand. Leider war ich durch Krankheit veranfasst mit dieser Arbeit aufzuhören bevor ich mein Ziel erreichen konnte. Aber auch unter dem schon durchmusterten fand sich viel interessantes vor, viele Fundorte diverser Arten, von wo das Kaukasische Museum keine Exempare besitzt. In Anbetracht dessen, dass diese Angaben unsre Kenntnisse der geographischen Verbreitung dieser Arten sehr erweitern, auf die baldige Publikation der Kataloge des Zoologischen Museums aber gar keine Hoffnung ist, entschliesse ich mich dazu meine Resultat hier zu veröffentlichen.

Scaramella, D. (1975). I mammiferi dello Yemen (Y.A.R.) controllati al livello della sottospecie.

L'autore elenca i mammiferi presenti nel territorio della Rep. Araba dello Yemen. Di ciascun esemplare viene trattata la posizione sistematica fino al livello della sottospecie, l'area di distrìbuzione geografica ed altre notizie, in particolare sulla consistenza, e conservazione delle specie.

The author rnakes a list of the mammals wich live in the Y.A.R. He deal with each mammal, giving its position in the sistem up to t he subspecies level through distinctive characrers: together with its geographical distribution, and few notes especially on it possibilitv of surviving

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Schätti, B. (1984). Fledermäuse als Nahrung von Schlangen.

A further record of *Nyctalus leisleri* (Kuhl, 1818) from Afghanistan is verified by a specimen from the stomach of a snake (*Coluber rhodorachis*). A study of the literature on snakes preying on bats makes

it clear that chiropterophagy seems not to be uncommon for some populations of various snake species. Most of the observations concern giant snakes and larger climbing colubrid species.

Not only caves with large bat populations attract the interest of potential predators; snakes seem to be equally successful in hunting bat species which live together in small groups and different types of roosting places. Under favorable conditions a snake's diet can largely consist of bats. According to the type of roosting place snakes use various hunting techniques and are even capable of capturing their prey in total darkness.

Schlitter, D. A. and I. R. Aggundey (1986). Systematics of African bats of the genus *Eptesicus* (Mammalia: Vespertilionidae). 1. Taxonomic status of the large serotines of Eastern and southern Africa.

The taxonomic status of large serotine bats (*Eptesicus*) from eastern and southern Africa is studied. *Eptesicus loveni* Granvik, 1924. known from Mt. Elgon, Kenya, by only the holotype, is a junior synonym of *Myotis tricolor* (Temminck, 1832). A new subspecies is proposed for *Eptesicus hottentotus* from Njorowa Gorge, Kenya. *Eptesicus hottentotus pallidior* Shortridge, 1942, from the northwestern Cape Province, South Africa, and Namibia is synonymized wilh the nominate subspecies from the Cape Province.

Schlitter, D. A., I. R. Aggundey, M. B. Qumsiyeh, K. Nelson and R. L. Honeycutt (1986). Taxonomic and distributional notes on bats from Kenya.

Taxonomic and distributional comments are given for six species in three families of bats from Kenya. Two species (Hipposideros camerunensis and Tadarida russata) are reported from Kenya for the first time.

Schlitter, D. A. and A. F. DeBlase (1974). Taxonomy and geographic distribution of *Rhinopoma microphyllum* (Chiroptera: Rhinopomatidae) in Iran, with the description of a new subspecies.

L'étude des collections de *Rhinopoma microphyllum* a permis de préciser l'aire de répartition de cette chauve-souris en Iran et de rendre compte de nombreux nouveaux spécimens provenant de nouvelles localites. Une sous-espèce nouvelle, *R. m. harrisoni* a pu être décrite du sud-ouest de l'Iran où elle se trouve souvent à proximité de *R. m. microphyllum*. Cette dernière a été collectée à des altitudes plus élevées et dans des zones plus froides que *R. m. harrisoni*.

The taxonomy and geographic distribution of *Rhinopoma microphyllum* from Iran are reviewed and numerous new specimens and localities are reported. A new subspecies of *R. microphyllum* is from southwestern Iran and is shown to exist in close proximity to the nominate subspecies.

Schlitter, D. A. and M. J. Delany (1985). Geographic areas of Africa poorly represented in mammal research collections.

Two major areas of Africa are still poorly represented by specimens in mammal research collections. These areas include the Central Sahara and Subsaharan region, especially in western Africa and the western and southern Equatorial forest block. Countries, or parts thereof included, are southern Algeria, Chad, Niger, Mali, Mauritania and the former Spanish Sahara and Gabon, Republic of Congo, western and southern Zaire and Angola, especially the northern part. Additionally, the Horn of Africa, including Somalia, Djibouti, Ethiopia and northern and eastern Kenya are poorly represented. Other smaller areas such as the mountains of southern and eastern Tanzania, the provinces of northern Mozambique, the massifs on either side of the Central African rift and southern Sudan require

additional, careful collecting. It is difficult to assess the real situation regarding representatives by each country as much unreported material exists in various museums of the world, particularly in those in North America. Because of financial restraints numerous faunal or regional studies and taxonomic revisions have not included the extant specimens available in African, European and North American museums. Large collections of mammals from West, East and South Africa are present, but unreported in North American Museums.

Schlitter, D. A. and S. B. McLaren (1981). An additional record of *Myonycteris relicta* Bergmans, 1980, from Tanzania (Mammalia: Chiroptera).

A fourth specimen of the East African relict collared fruit bat, *Myonycteris relicta* Bergmans, 1980, is reported. This specimen, from the Nguru Mountains of central Tanzania, supports the contention of a previous connection between East African mountain forests with central African counterparts. External and cranial measurements of the new specimen are compared with other reported *M. relicta* and a sample of *M. torquata*.

Schlitter, D. A., I. L. Rautenbach and D. A. Wolhuter (1980). Karyotypes and morphometrics of two species of *Scotophilus* in South Africa (Mammalia: Vespertilionidae).

Karyotypes for *Scotophilus dinganii* (A. Smith, 1833) and *S. viridis* (Peters, 1852) are presented. Based on retfrence samples from the northern Kruger National Park, individual and secondary sexual variation are analysed for each species. Discriminant function analysis was performed with these reference samples and discriminant scores were computed to assist in accurately identifying specimens of the two species in South Africa.

Schlitter, D. A., L. W. Robbins and S. A. Buchanan (1982). Bats of the Central African Republic (Mammalia: Chiroptera).

The bats of the Central African Republic are reviewed. The occurrence of 45 species is documented, with locality, habitat, reproductive data, and other natural history information given. Taxonomic notes are discussed where necessary and selected measurements are listed for the species. Twenty species are reported for the first time for the Central African Republic.

Schlitter, D. A., S. L. Williams and J. E. Hill (1983). Taxonomic review of Temminck's trident bat, *Aselliscus tricuspidatus* (Temminck, 1834) (Mammalia: Hipposideridae).

Specimens of Ternrninck's trident bat (*Aselliscus tricuspidatus*) from Australasia were analyzed for morphological variation. Univariate and multivariate analyses were used to determine individual secondary sexual, and geographic variation within the species. Individual variation was greater in females than in males although this variation generally was minor in all cases. Females were found to be significantly larger than males in four of seven measurements tested. The analysis of geographic variation revealed that four subspecies can be recognized within the species; two of these are described as new.

Schmidt, U. and G. Joermann (1983). Untersuchungen zur Echoortung um Gruppenflug bei Mausschwanzfledermäusen (*Rhinopoma microphyllum*).

Investigated were the echolocation sounds of *Rhinopoma microphyllum* during single and group flights under laboratory conditions. In a 3-m-flight-tunnel and when flying in a large room exclusively FM-sounds with 5 to 7 harmonics were registered. Each of the 6 experimental animals had an individual

frequency range of the harmonics that remained unchanged during group flights. Duration and temporal pattern of the sounds did not alter under these conditions either. The only response to the acoustic activiry of conspecifics consisted in a rise of sound intensity up to 20 dB. A similar reaction was observed when flying in the presence of noise.

Schönenberger, N. and H. C. Lane (1971). Quelques données sur le cordon nerveux digital alaire des Megachiroptères (*Rousettus aegyptiacus* et *Pteropus giganteus*).

Summary

The nerve bundle found between artery and vein on either side of the metacarpals in the bat wing are composed of fascicles. Each fascicle contains myelinated and non myelinated fibres. In these fascicles small capillaries are found.

Between the main nerve bundle and the artery and vein, interstitial tissue (collagen, fibrocytes) small blood vessels and myelinated and non myelinated nerve fibres are found. Some of these nerves react positively to an histochimical test for catecholamine.

Zusammenfassung

Der Hauptnervenstrang zwischen Flügelarterien und -venen von Megachiropteren setzt sich zusammen aus Nervenbündeln, die, neben einigen Blutkapillaren, myelinisierte und unmyelinisierte Nervenfasern enthalten.

Zwischen Hauptnervenstrang und Hauptblutgefässen finden sich neben Bindegewebe (Collagen, Fibrocyten usw.) und feinen Blutgefässen, myelinisierte und nicht myelinisierte Nervenfasern. Ein Teil dieser Fasern reagiert positiv auf histochemische Nachweismethoden fur Catecholamin.

Schutt, W. A. , Jr. and N. B. Simmons (1998). Morphology and homology of the chiropteran calcar, with comments on the phylogenetic relationships of *Archaeopteropus*.

Most researchers have considered the calcar to be a unique and homologous structure within Chiroptera (e.g., the presence of this structure and its associated musculature has been cited as a synapomorphy supporting bat monophyly). However, we report that significant morphological variation exists between Microchiroptera and Megachiroptera. In microchiropterans, a calcified or cartilaginous element articulates directly with the calcaneal tuberosity of the ankle and projects into the uropatagium. In megachiropterans, a cartilaginous structure projects from the tendon of the gastrocnemius muscle into the uropatagium and has no articulation with the calcaneal tuberosity. Considerable variation also exists in the musculature associated with these structures. Phylogenetic interpretation of hindlimb morphology of extant and fossil taxa indicates that the calcar may not be homologous in all bats. We suggest retention of the term "calcar" for the microchiropteran structure and propose a new term, "uropatagial spur," for the megachiropteran structure. The fossil bat *Archaeopteropus transiens* (Oligocene) has long been presumed to be a megachiropteran; however, this form has a microchiropteran-type calcar. Reconsideration of morphological evidence from this and previous studies indicates that *Archaeopteropus* is not a megachiropteran but, rather, a basal member of the microchiropteran lineage.

Schwann, H. (1905). A list of the mammals collected by the Hon. N.C. Rothschild, the Hon. F.R. Henley, and Mr. A.F.R. Wollaston in Egypt and the Soudan in January, February and March 1904.

Several of the species mentioned in this list - notably *Acomys witherbyi, Gerbillus pygargus, Dipodillus watersi, Lepus isabellinus*, and *Hystrix cuvieri* - have not been taken hitherto in so northern a locality, and their range must accordingly be extended.

A few notes supplied by Mr. Rothschild on some of the less-known localities, where specimens were obtained, will be a great assistance in properly understanding their geographical relationships.

Nakheila, where the battle of the Atbara was fought, is about fifty miles up the Atbara River, on the north bank.

Merowe and Kerma are both in the Dongola Province. The former is at the commencement of the fourth cataract, while the latter is the terminus of the railway from Wady Halfa to the Dongola Province.

Shereik is a railway station at the little-known Abu Haschim cataract, some fifty miles south of Abu Hammed.

Schwann, H. (1906). A list of the mammals obtained by Messrs. R.B. Woosnam and R.E. Dent in Bechuanaland.

This very interesting collection, made by Messrs. R. B. .Woosname and R. E. Dent in Bechuanaland, was obtained chiefly at two localities, viz. Kuruman and Molopo. The former is situated about 100 miles south-west of Vryburg on the Kuruman River, whose course flows parallel to the range of hills bearing the same name. The river was originally fringed with dense reeds, providing excellent shelter for game of all kinds; but in some parts clearings have bene made by the natives, and the ground drained and cultivated with corn and fruit-trees.

The Molopo River, lying considerably to the north of Kuruman, is dry most of the year, but in the rainy season may be as much as 16 feet deep. The water remains in stagnant pools till about mid-August, when it is gradually evaporated, leaving the river-bed dry until next year. The country surrounding the river is covered with dense camel-thorn forest and patches of soft sand.

The particular interest of this collection lies in its providing the British Museum with many valuable topotypes of Dr. Smith's now well-worn and rather faded specimens. His main collections, described in the 'Illustrated Zoology of South Africa,' were made at Kuruman and Old Latakoo, lying in S. lat. 27°, E. long. 24°, a place not marked on modern maps, but in his day of considerable importance. As was to be expected, the prevailing colour of the specimens is sandy and considerably lighter than that of animals inhabiting well-wooded areas. Among the species now described for the first time may be mentioned *Crocidura deserti*, a pale-coloured Shrew, probably a desert form of Sundevall's *argentata*, and *Mus woosnami*, a striking species both in colour and tooth-structure.

Setzer, H. W. (1952). Notes on mammals from the Nile Delta Region of Egypt.

From July 12, 1946, to April 9, 1947, Ens. P. Quentin Tomich collected mammals from the Nile Delta while serving with Naval Medical Research Unit No. 3. In addition to the large collection made by Ensign Tomich, Lt. S.M. Wheeler, of the United States Typhus Commission, obtained some specimens in the Cairo area. Earlier, in 1924, Miss Annie M. Alexander obtained a small collection from the Cairo area and from the Fayum. The former two collections are on deposit in the United States National Museum while the latter is on deposit at the Museum of Vertebrate Zoology of the University of California (MVZ) and has been made available for study at this time by Dr. Alden H. Miller.

Since impetus is being given study of the role wild mammals play in diseases of man, a brief diagnosis of the external characters plus comments on taxonomic problems as relating to the commoner mammals from Egypt, as based on the above-metioned material, will be useful to epidemiologists working in the Nile Delta region.

It will be noted that in certain cases names have been validated from Etienne Geoffroy St.-Hilaire, 1803. The "Catalogue des Mammifères du Muséum National d'Histoire Naturelle" meets all requirements for Linnaean names as established by the International Commission on Zoological Nomenclature. In all instances the descriptions are clearly recognizable. It is believed that the statement of Isidore Geoffroy St.-Hilaire, to the effect that his father never intended to above work for

a scientific treatise, should not be accepted, inasmuch as the work is clear, concise, and was published and circulated.

The Tomich collection is perhaps the largest and most complete single collection known from the Nile Delta region. Even so, several species that have occurred and presumably still occur in that region were not taken by the collectors on whose work this paper is based. For the sake of completeness, references to these have been extracted from the literature.

In addition there are four species which have been taken from the Delta region within historic time but have since been extirpated. They are: Wild sheep, *Ammotragus lervia*; dorcas gazelle, *Gazella dorcas*; saberhorned oryx, *Oryx algazel*; and addax, *Addax nasomaculata*.

Capitalized color terms are from Ridgway, "Color Standards and Color Nomenclature" (1912). All measurements are given in millimeters and all weight in grams.

No comments have been made in regard to habitats or habitat preference, since Tomich hopes to publish an account of the natural history of these animals and their role in epidemiology.

Setzer, H. W. (1971). New bats of the genus *Laephotis* from Africa (Mammalia: Chiroptera).

The Smithsonian Institution African Mammal Project has had field parties collecting small mammals and their ectoparasites in southern Africa since 1963.

These field teams obtained two specimens of the genus *Laephotis* from South West Africa and one specimen from northwestern Botswana. None of these individuals agree with other known taxa in the genus *Laephotis*. We have made repeated efforts to obtain additional specimens, especially from South West Africa, but have been unsuccessful. All measurements are in millimeters and capitalized color terms are from Ridgway "Color Standards and Color Nomenclature, 1912."

Owing to the degree of distinctness of these specimens two new taxa are here proposed and may be known as:

Sheil, D. (1992). Tanzanian coastal forests - unique, threatened, and overlooked.

Tanzania's remaining fragments of coastal forests support rich biological communities, but these are extremely vulnerable to exploitation and land-use pressures because of their very limited size. Until recently little attention has been paid to these areas and and it is probable that all the most important forest areas have not yet even been recognized. Conservation measures are needed urgently and while these have been incorporated into the Tanzanian Forestry Action Plan, funding has not been identified.

Shope, R. E., F. A. Murphy, A. K. Harrison, O. R. Causey, G. E. Kemp, D. I. H. Simpson and D. L. Moore (1970). Two African viruses serologically and morphologically related to rabies virus.

Lagos bat virus and an isolate from shrews (IbAn 27377), both from Nigeria, were found to be bullet-shaped and to mature intracytoplasmically in association with a distinct matrix. They were related to, but readily distinguishable from, rabies virus and each other by complement fixation and neutralization tests. The three viruses, including rabies, form a subgrouping within the rhabdoviruses.

Shortridge, G. C. (1942). 2. Field notes on the first and second expeditions of the Cape Museum's Mammal Survey of the Cape Province; and descriptions of some new subgenera and subspecies.

Expedition No. 1: Little Namaqualand (October 1936 - February 1937)

On a collection of approximately 2500 mammals from Little Namaqualand, including records of species collection between Upingon and the Aughrabies Falls in 1921.

LITTLE NAMAQUALAND is here regarded as comprrsmg the region lying between the Orange River in the north, latitude 31° in the south, longitude 19° in the east, and the Atlantic Ocean on the west. It is the most, arid part of the Cape Province. The yearly winfall at Springbok averages 7 inches, and at Port Nolloth 2 1/2 inches.

Except on the Kamiesberg there is practically no surface water. The mountains and plateaux known as the Kamiesbergen, which rise to over 5000 feet, (Welkom Kop, 5589 feet; Eselkop, 5456 feet), attract a much more adequate rainfall and have a contrastingly temperate climate. In consequence the vegetation on the higher slopes and plateaux is relatively luxuriant.

The Kamiesberg, frequeutly under cloud, forms a fertile oasis, and the mountain scenery between Garies and Leliefontein is very beautiful. Elsewhere the general aspect of Little Namaqualand during the greater part of the year is barren in the extreme: the sandy plains are sparsely clothed with dwarf desert plants, many of which are succulents. Apart from a narrow fringe along the Orange River, there are no trees of any description.

Between September and October, however, after the first light spring rains, Namaqualand changes, almost overnight, into one of the world's most magic gardens; the plains and hillsides for the short period of about six weeks become brilliantly carpeted with wild flowers, innumerable in variety and colours. On the Kamiesberg the flowering season continues until about the middle of December. Except in the extreme south, along the eastern border, and close to the coast, there are almost everywhere masses of outcrop, stony kopjes and rocky mountain ranges. Camps were made at the following places: -

1. *Witwater*: altitude: 3500 - 3800 feet, a plateau high up in the Kamiesberg almost entirely surrounded by stony hills. There are a few farms, and small plots under cultivation.

2. *Eselfontein*: altitude 4300 - 4350 feet, close to Leliefontein Hottentot Mission, the highest plateau on the Kamiesberg.

These plateaux are watered by small perennial mountain streams which disappear underground before reaching the plains. The vegetation on the higher slopes is heathy and not unlike that on the mountains of the south-western Cape. Light crops ofwheat are grown; goats and a few cattle and sheep are kept.

3. *Platbakkies*: altitude 3460 feet, about, 20 miles east of the Kamiesberg. Arid high-karooveld with occasional rocky ridges and rough stony tracts. Country quite typical of "Bushmanland."

4. *Goodhouse*: altitude: 300 feet approx., on the south bank of the lower Orange River at Raman's Drift. At this point the Orange River flows between almost unbroken chains of highly mineralized hills which rise from 500 - 1200 feet. All level country consists of heavy white sand. For the greater part of the year hardly a trace of vegetation is visible, except along the river's edge where there is a thin fringe of tree growth. In contrast to these desert surroundings is the intensely green citrus Estate of Goodhouse, irrigated by a system of canals which lead off from the river (owner, Mr. C. Weidner).

5. *Eenriet*: altitude 3300 feet approx., 7 miles north of Steinkopf. A waterhole close to rocky hills which rise between 500 and 800 feet above the surrounding level. Beyond the hills there are wide stretches of sandveld scantily clothed with low karoo scrub and intersected here and there by dry watercourses.

6. *Port Nolloth*: A camp (altitude 50 fieet approx.) was made about 15 miles inland where the white coastal sand-dune belt meets the firmer reddish-sandy country and near the first broken line of wind-swept hills which rise to about 600 feet.

7. *Kameelboom*: altitude 800 feet approx., in the bd of the dry Spoeg River, about half-way between Garies and Hondeklip Bay. Surrounding hills rise to about 1000 feet. Red and white sandy country

much broken up by rocky outcrop. Vegetation largely succulent; shrubby bushed amongst the rocks and between the hills.

During the British and Kaffrarian Museuma' Expedition to the middle Orange River in 1921, collections were made close to *Upington, Swartkop, Louisvale*, and the *Aughrabies Falls*, The Upiugton and Aughrabies camps were on the north bank of the Orange River, those near Swartkop and Louisvale on the south bank.

Out of 106 species recorded, 78 were collected; 20 are extinct, or nearly so; 4 are of doubtful occurrence. Names of species in brackets indicate that specimens were not obtained.

Contributors towards the Cape Museums' Mamrnal Survey include The Museum of Comparative Zoology (at. Harvard Uuiversity, United States of America), The South African Museum (Cape Town), The Natal Museum (Pietermaritzburg), The Albany Museum (Grahamstown), The McGregor Museum (Kimberley), The Port Elizabeth Museum, The East London Museum, The Kaffrarian Museum (King William's Town), The National Research Council, and Dr. H. Merensky.

Sidiyène, E. A. and M. Tranier (1990). Données récentes sur les Mammifères de l'Adrar des Iforas (Mali).

The Adrar des Iforas, in Mali, is zoologically a poorly known massif. Located in Southern Sahara, and with sorne 100 mm annual rainfall, it retains some elements of the ethiopian fauna. In 50 years, largest rnammals disappeared almost compterely through the combined effect of drought, gun and car. Only Barbary sheep, *Ammotragus lervia*, common gazelle, *Gazella dorcas*, and striped hyaena, *Hyaena striata*, remain there. Three bat species were recently caught: *Nycteris thebaica* (first record for Mali), *Asellia tridens* (first record for Mali), and *Nycticeius schlieffeni*. Three rodents species, too, were hand-caught: the Southern gundi *Massoutiera mzabi* (first recorded in Mali, where it was expectce, as it is known from nearby Hoggar), the Small sand gerbil, *Gerbillus gerbillus*, and the Nile rat, *Arvicanthis* sp, (northernmost capture in Mali for this genus).

Le massif de l'Adrar de, Iforas, au Mali, est zoologiquement peu connu. Situé au sud du Sahara, il retient quelques éléments de la faune éthiopienne, avec une pluviosité annuelle oscillant autour de 100 mm. La grande faune mammalienne a pratiquement disparu en 50 ans, victime de la sécheresse et de l'association du fusil et de l'auromobile; il ne subsiste que le mouflon, *Ammotragus lervia*, et la gazelle, *Gazelta dorcas*, parmi les Ongulés; la hyène rayée est le plus gros des Carnivores qui subsistent. Parmi les Chiroptères, les auteurs signalent la capture de *Nycteris thebaica* (première mention au Mali), d'*Asellia tridens* (première mention au Mali), et de *Nycticeius schlieffeni*. Parmi les Rongeurs, le goundi *Massoutiera mzabi* a été collecté pour la première fois au Mali; la présence de cet animal, connu au Hoggar proche, était attendue dans l'Adrar. *Gerbillus gerbillus* a été capturé également, ainsi qu'*Arvicanthis* sp.; un individu de ce dernier genre a été capture dans un oued: c'est la capture la plus septentrionale connue au Mali pour ce genre.

Simmons, J. A., S. A. Kick and B. D. Lawrence (1984). Echolocation and hearing in the mouse-tailed bat, *Rhinopoma hardwickei*: acousting evolution of echolocation in bats.

1. Mouse-tailed bats (*Rhinopoma hardwickei*) use short-duration, multiple-harmonic, constant-frequency (CF) or slightly frequency-modulated (FM) signals for echolocation of flying insect prey. The frequency components are 18 - 20 kHz (first harmonic), 36 - 40 kHz (second harmonic), 56 - 60kHz (third harmonic), and 75 - 80 kHz (fourth harmonic). The second harmonic is the strongest component, with the third harmonic 2 to 10 dB weaker, and the first and fourth harmonics about 10 to 20 dB weaker than the second.

2. The bat's hearing, as indicated by N 4 auditory evoked potentials, is moderately sharply tuned to the second harmonic, broadly sensitive to the first harmonic and to lower frequencies, and moderately sensitive to the third and fourth harmonics. The degree of tuning is sufficient to indicate some

specialized function for the second harmonic, perhaps in the task of detecting targets at maximum range, since this is the lowest of the strong harmonics and least affected by atmospheric attenuation. These bats probably do not perform the Doppler compensation response even though their hearing is tuned.

3. The pattern of emission of sonar sounds (repetition rate, duration) during interception of prey is similar to that observed in most other species of bats. The signals are emitted at repetition rates of 10 - 20/s during the search stage, 20 - 40/s during the approach stage, and about 100/s during the terminal stage of the pursuit process. The sonar sounds emitted during the search stage are 6 - 10 ms long, during the approach stage they are 2 - 4 ms long, and during the terminal stage they are less than 1 ms long.

4. The principal acoustic dimension of echolocation sounds that relates to perception of targets is signal bandwidth, which *Rhinopoma hardwickei* manipulates throughout the pursuit process by shortening the duration of its sonar sounds and also by slightly broadening the FM sweeps in its terminal-stage sounds. The onset-time of the long, search-stage sounds and the longer, early approach-stage sounds is more abrupt than for the shorter, late approach-stage and the short terminal-stage sounds. This apparently deliberate transient beginning broadens the signal's bandwidth at the onset relative to the narrower bandwidth prevailing for the rest of the CF harmonic structure which follows. In the shorter sounds, which are emitted during the late approach stage and terminal stage, the onset is more gradual, but the duration (the envelope) and the offset-time are now short enough that the bandwidth of the signal as a whole is increased. The bandwidth is manipulated primarily by these changes in signal envelope and secondarily by the increased FM sweep-width in the terminal stage.

5. Except for duration these signals are relatively inflexible and suggestive of a primitive kind of echolocation in which only one dimension is changed to achieve qualities which most other species of bats obtain by changing a variety of signal dimensions simultaneously. The abrupt signal onsets may be an indication that multiple-harmonic CF and FM echolocation sounds evolved from click-like echolocation sounds of the type emitted by *Rousettus* and some terrestrial mammals.

Simmons, N. B. (1994). The case for Chiropteran Monophyly.

The current controversy concerning bat monophyly centers on relationships of Microchiroptera, Megachiroptera, Primates, and several other groups of mammals. Despite claims to the contrary, studies of both molecular and morphological data strongly support bat monophyly and a single origin for powered flight in mammals. Analyses of some molecular data sets have yielded inconclusive results (e.g., rDNA restriction sites, aA-crystallin amino acid sequences, and cytochrome oxidase subunit I gene nucleotide sequences). However, analyses of most biochemical and molecular data support monophyly of bats (e.g., albumin immunological distances, DNA-DNA hybridization, a-globin + ß-globin amino acid sequences, nucleotide sequence data from the e-globin gene, interphotoreceptor retinoid binding protein gene, 12S rRNA gene, and cytochrome oxidase subunit II gene). In no instance have molecular data provided unambiguous support for bat diphyly. Morphological data show a slightly different pattern. Neural and penial characters support diphyly of bats, but other data subsets clearly support bat monophyly (e.g., characters of the cranium and postcranial skeleton, vascular system, muscles, and fetal membranes). When all of the morphological data are considered together, the combined data set strongly supports bat monophyly. Over 25 morphological synapomorphies-many of which consist of complex suites of modifications-diagnose the monophyletic order Chiroptera. The fact that these synapomorphies represent many different anatomical systems further strengthens the case for chiropteran monophyly.

Simmons, N. B. (1998). A reappraisal of interfamilial relationships of bats.

Higher-level relationships of bats remain poorly understood despite recent advances in our understanding of relationships at lower taxonomic levels. Although most bat species can be assigned easily to one of several monophyletic families, there is little agreement concerning relationships among

the latter taxa. This is not just a problem of resolution: Previous hypotheses of interfamilial relationships are largely incongruent. Lack of a well-substantiated phylogeny has hampered systematic studies at lower taxonomic levels, hindered attempts to understand patterns of morphological, karyotypic, and molecular change, and complicated interpretation of biogeographic and ecological data. In this context, the purpose of the current study is to provide a working hypothesis of interfamilial relationships of bats based upon a "total-evidence" analysis of available morphological and molecular data.

Simmons, N. B. and J. H. Geisler (1998). Phylogenetic relationships of *Icaronycteris*, *Archaeonycteris*, *Hassianycteris*, and *Palaeochiropteryx* to extant bat lineages, with comments on the evolution of echolocation and foraging strategies in Microchiroptera.

The Eocene fossil record of bats (Chiroptera) includes four genera known from relatively complete skeletons: *Icaronycteris, Archaeonycteris, Hassianycteris*, and *Palaeochiropteryx*. Phylogenetic relationships of these taxa to each other and to extant lineages of bats were investigated in a parsimony analysis of 195 morphological characters, 12 rDNA restriction site characters, and one character based on the number of R-1 tandem repeats in the mtDNA d-loop region. Results indicate that *Icaronycteris, Archaeonycteris, Hassianycteris*, and *Palaeochiropteryx* represent a series of consecutive sister-taxa to extant microchiropteran bats. This conclusion stands in contrast to previous suggestions that these fossil forms represent either a primitive grade ancestral to both Megachiroptera and Microchiroptera (e.g., Eochiroptera) or a separate clade within Microchiroptera (e.g., Palaeochiropterygoidea). A new higher-level classification is proposed to better reflect hypothesized relationships among Eocene fossil bats and extant taxa. Critical features of this classification include restriction of Microchiroptera to the smallest clade that includes all extant bats that use sophisticated echolocation (Emballonuridae + Yinochiroptera + Yangochiroptera), and formal recognition of two more inclusive clades that encompass Microchiroptera plus the four fossil genera.

Comparisons of results of separate phylogenetic analyses including and subsequently excluding the fossil taxa indicate that inclusion of the fossils changes the results in two ways: (1) altering perceived relationships among extant forms at a few poorly supported nodes; and (2) reducing perceived support for some nodes near the base of the tree. Inclusion of the fossils affects some character polarities (hence slightly changing tree topology), and also changes the levels at which transformations appear to apply (hence altering perceived support for some clades). Results of an additional phylogenetic analysis in which soft-tissue and molecular characters were excluded from consideration indicate that these characters are critical for determination of relationships among extant lineages.

Our phylogeny provides a basis for evaluating previous hypotheses on the evolution of flight, echolocation, and foraging strategies. We propose that flight evolved before echolocation, and that the first bats used vision for orientation in their arboreal/aerial environment. The evolution of flight was followed by the origin of low-duty-cycle laryngeal echolocation in early members of the microchiropteran lineage. This system was most likely simple at first, permitting orientation and obstacle detection but not detection or tracking of airborne prey. Owing to the mechanical coupling of ventilation and flight, the energy costs of echolocation to flying bats were relatively low. In contrast, the benefits of aerial insectivory were substantial, and a more sophisticated low-duty-cycle echolocation system capable of detecting, tracking, and assessing airborne prey subsequently evolved rapidly. The need for an increasingly derived auditory system, together with limits on body size imposed by the mechanics of flight, echolocation, and prey capture, may have resulted in reduction and simplification of the visual system as echolocation became increasingly important. Our analysis confirms previous suggestions that *Icaronycteris, Archaeonycteris, Hassianycteris*, and *Palaeochiropteryx* used echolocation. Foraging strategies of these forms were reconstructed based on postcranial osteology and wing form, cochlear size, and stomach contents. In the context of our phylogeny, we suggest that foraging behavior in the microchiropteran lineage evolved in a series of steps: (1) gleaning food objects during short flights from a perch using vision for orientation and obstacle detection; prey detection by passive means, including vision and/or listening for prey-generated sounds (no known examples in fossil record); (2) gleaning stationary prey from a perch using echolocation and vision for orientation and obstacle detection; prey detection by passive means (*Icaronycteris, Archaeonycteris*); (3) perch hunting for both stationary and flying prey using echolocation and vision for orientation and obstacle detection; prey detection and tracking using echolocation for flying prey and passive means for stationary prey (no known example, although

Icaronycteris and/or *Archaeonycteris* may have done this at times); (4) combined perch hunting and continuous aerial hawking using echolocation and vision for orientation and obstacle detection; prey detection and tracking using echolocation for flying prey and passive means for stationary prey; calcar-supported uropatagium used for prey capture (common ancestor of *Hassianycteris* and *Palaeochiropteryx*; retained in *Palaeochiropteryx*); (5) exclusive reliance on continuous aerial hawking using echolocation and vision for orientation and obstacle detection; prey detection and tracking using echolocation (*Hassianycteris*; common ancestor of Microchiroptera). The transition to using echolocation to detect and track prey would have been difficult in cluttered envionments owing to interference produced by multiple returning echoes. We therefore propose that this transition occurred in bats that foraged in forest gaps and along the edges of lakes and rivers in situations where potential perch sites were adjacent to relatively clutter-free open spaces. Aerial hawking using echolocation to detect, track, and evalute prey was apparently the primitive foraging strategy for Microchiroptera. This implies that gleaning, passive prey detection, and perch hunting among extant microchiropterans are secondarily derived specializations rather than retentions of primitive habits. Each of these habits has apparently evolved multiple times.

The evolution of continuous aerial hawking may have been the "key innovation" responsible for the burst of diversification in microchiropteran bats that occurred during the Eocene. Fossils referable to six major extant lineages are known from Middle-Late Eocene deposits, and reconstruction of ghost lineages leads to the conclusion that at least seven more extant lineages were minimally present by the end of the Eocene.

Simpson, D. I. H., M. C. Williams, J. P. O'Sullivan, J. C. Cunningham and F. A. Mutere (1968). Studies on arboviruses and bats (Chiroptera) in East Africa. II. Isolation and haemagglutination-inhibition studies on bats collected in Kenya and throughout Uganda.

Three previous papers have dealt with arbovirus haemagglutination-inhibition studies on sera from a variety of East African bats, with virus isolation studies from various bat tissues and also with the experimental infection of four bat species with arboviruses of African origin (Shepherd and Williams, 1964; Williams, *et al.*, 1964; Simpson and O'Sullivan, 1968). Transmission attempts with Bukalasa bat and Entebbe bat viruses, both isolated from salivary glands of *Tadarida* spp., in *Aedes (Stegomyia) aegypti* (Linnaeus) were also reported. The mechanisms of transmission of these bat viruses and the role that bats play in the epidemiology of arbovirus diseases have been discussed. Comparisons were made with the results of workers in West Africa and in the New World.

This communication reports further isolations of Group B viruses from *Tadarida* species collected throughout Uganda and also reports further haemagglutination-inhibition (III) studies on a large variety of bats collected in Kenya and Uganda over a 12-month period.

1. The isolation is described of 20 strains of group B viruses from the salivary glands of *Tadarida* species. The strains were either Bukalasa or Dakar bat viruses, according to the species of bat from which they were isolated.

2. The group B antibody results in both *Tadarida* species and in a wide variety of other bat species are compared with previous results described by other workers.

3. Mechanisms of virus transmission from bat to bat are discussed; it is thought that mosquitoes play little part in the cycle of infection.

Smith, S. A., J. W. Bickham and D. A. Schlitter (1986). Karyotypes of eleven species of Molossid bats from Africa (Mammalia: Chiroptera).

Standard karyotypic data are reported for 11 species of rnolossid bats collected from Somalia and Cameroun, Africa. Chromosomal data are reported for the first time for *Chaerephon ansorgei, C. aloysiisabaudiae, Mops midas, M. spurrelli, M. thersites, M. brachypterus, M. petersoni, M.*

demonstrator, and *M. annulus* (all were formerly members of the genus *Tadarida*). Karyotypes for two of the species we examined have been reported previously. Although our data corroborate the karyotype of *C. pumila* described by Dulic and Mutere (1973), our karyotypic analysis of *M. condylurus* differs substantially from that presented by these authors. In addition to these data, we provide a summary of the available karyotypic data for molossid bats studied to date.

Smithers, R. H. N. and V. J. Wilson (1979). Checklist and atlas of the mammals of Zimbabwe Rhodesia.

Until the publication of Roberts (1951) "*The Mammals of South Africa*", which included Rhodesia as part of the South African Subregion, with its northern limits at the Cunene - Zambezi Rivers, no attempt had been made to present a list of the species of mammals known to occur in Rhodesia.

In spite of the fact that the material available to Roberts from this territory was sparse, he was able, nevertheless, to include in this work some 109 species, as against the 190 known to occur at the present time.

Surprising omissions included such species as the antbear, *Orycteropus afer*, and the erroneous inclusion of others such as the silver fox, *Vulpes chama*. The omissions and erroneous inclusions were due to the fact that very little had been published on the mammals of Rhodesia and Roberts' personal experience of the territory was limited.

In spite of this, Roberts' work was a major factor in stimulating interest in the mammals of southern Africa and, together with an awakening interest in the future of its wildlife, led to a greatly increased and growing volume of regional study in most of the countries comprising the area, including Rhodesia.

Historically, the accounts of a number of early hunters and explorers throw interesting lights on the status of mammals in the territory.

Thomas Baines' diaries of 1869 - 1870 (Wallis, 1946), contain many interesting references, including drawings, with measurements in some cases, of mammals shot or observed by him during his wanderings.

The famous hunter F. C. Selous contributed substantial collections of mammals and accurate observational data from what is now Rhodesia. The great majority of the specimens he collected are housed in the collection of the British Museum (Nat. Hist.) in London and were catalogued by Dollman (1921), although many found their way into other Museums, including the South African Museum in Cape Town, as well as private collections.

Selous visited the western part of Rhodesia (Matabeleland) for the first time in 1872 in the search for elephant, although it was not till 1881 that, on a return expedition to the territory, he seriously devoted himself to the procuring of specimens of Rhodesian mammals for Museums and private collectors.

His interest in the territory continued over the years and in 1891 he was a member of the pioneer column which set up camp in what is today Salisbury.

In 1895 he settled temporarily on his farm in Essexvale where he pursued his interest in wildlife, collecting and sending back to the British Museum (Nat. Hist.) many smaller specimens, including a new species of spiny mouse, *Acomys selousi (A. spinosissimus)*, and a gerbil, *Tatera lobengulae (T. leucogaster)*. (de Winton, 1896; Dollman, 1921; Selous, 1908).

W. H. Brown, an American citizen, then a collector for the Smithsonian Institution, Washington, D.C., was also a member of the pioneer column and, on its arrival in Mashonaland, was detailed off to find meat for the camp. With the true instinct of a collector he recovered skins and skulls of the game animals he shot from the vicinity of what is today Salisbury, which have happily been preserved in collections of Museums in the United States, including the United States National Museum, Washington, D.C.; the Carnegie Museum, Pittsburgh, and others. He was granted a farm near Salisbury, Arlington, on which today the Salisbury Airport is situated.

When the pioneer column was disbanded he moved widely in Mashonaland collecting specimens, this collection including square-lipped rhinoceros, *Ceratotherium simum*, which later became extinct in the territory, and other species from areas where they no longer exist, for example, lion, *Panthera leo*, shot adjacent to what are today the suburbs of the City of Salisbury. Brown also made a valuable collection from Arlington, part of which the senior author had the privilege of examining in the Carnegie Museum.

Regrettably, no paper was published on this collection, but a number of his specimens, examined in Pittsburgh, are commented upon in this paper.

J. ffolliott Darling and Mr. (later Sir) Guy A. K. Marshall collected in the Mazoe district in Mashonaland in 1895 while the former was engaged in mining in the area (Thomas, 1895; de Winton, 1896). This collection consisted predominantly of rodents and is now in the British Museum (Nat. Hist.).

From 1907 till 1911, E. C. Chubb of the Rhodesia Museum (later the National Museum), Bulawayo, collected extensively and published papers on his collections and on the collections of this Museum, these being the first papers on material from the territory (Chubb, 1909).

Although a lot of Chubb's specimens found their way into the collection of the British Museum (Nat. Hist.) or the Transvaal Museum, Pretoria, such as were retained in the National Museum formed the nucleus of the research collections as they are today.

In 1908 C. F. M. Swynnerton, then living at Mt. Selinda, Melsetter, collected small mammals for the British Museum (Nat. Hist.), this being the first material available from the Eastern Districts of Rhodesia.

A further stimulus to the study of mammals came with the publication of a reclassification of the mammals of southern Africa by Ellerman, Morrison-Scott & Hayman (1953), the limits of which extended as far north as Angola, Nyasaland (Malawi) and Mocambique and, therefore, like Roberts (1951), included Rhodesia.

Child & Savory (1964), published a paper on the distribution of the larger mammal species occurring. This was based on a questionnaire, widely distributed in the territory, supplemented by their own visual observations, and was the first attempt to define the distribution of a range of 40 of the larger species, all of which were considered to be recognisable with some degree of accuracy by the range of persons to whom the questionnaire was directed.

From 1964 onwards an increasing number of papers on Rhodesian mammals have appeared annually including the results of surveys in two of Rhodesia's National Parks (Wilson, 1969; 1975) and comprehensive works on individual species (e.g, Cumming, 1974).

In spite of the fact that the National Museums of Rhodesia did not have a Keeper of Mammals until 1962, staff members had been active in collecting material from 1947 onwards and had encouraged others to assist in building up the collection. This activity has continued over the years and today the collections number some 45 000 specimens from Rhodesia alone.

It is unfortunate that it was not until 1961 that new systems were introduced at the National Museums of Rhodesia to ensure that the fullest possible data were recorded on each specimen collected. Prior to this, apart from date of collection, sex and locality, nothing was recorded on the habitat in which the specimen was taken, its reproductive status, its behaviour, or its food.

As a consequence this earlier material, while providing valuable taxonomic and distributional data, lacks sufficient information for its proper evaluation from these other points of view. In this paper such information of this type as is presented is gleaned from data available from material handled from 1961 onwards and is, therefore, limited in its scope.

With the continuation of collecting on this basis, it is hoped that, in time, it will be possible to present fuller data. In the meantime the emphasis in this work will be on the presentation of a list of species now known to occur, based predominantly on material records, with notes, where appropriate, on their taxonomy and information on their distribution. In addition, from the meagre data presently at our

disposal, we have added notes on the types of habitat in which the species occur, their habits, food and times of breeding.

We hope that by the presentation of these data in the present incomplete form we may actuate others to fill in the many gaps in the knowledge of our mammals.

Sowler, S. G. (1980). Tooth eruption in known age specimens of *Epomophorus wahlbergi*.

Descriptions of the deciduous and permanent dentition, dental development and variations in ages of eruption in 14 known age specimens of *Epomophorus wahlbergi* are presented. Tables showing the relationship between tooth eruption and age from birth to 14 weeks are given and the use of these as an age determination technique is discussed.

Beskrywings word gegee van melk- en permanente tande, dentale ontwikkeling en wisseling in ouderdomme van deurbraak van 14 eksemplare van *Epomophorus wahlbergi* waarvan die ouderdom bekend is. Tabelle wat die verhouding aantoon tussen die deurbraak van die tand en ouderdom vanaf geboorte tot 14 weke word aangegee en die gebruik hiervan as 'n tegniek om ouderdom vas te stel, word bespreek.

Speakman, J. R. and P. I. Webb (1993). Taxonomy, status and distribution of the Azorean bat (*Nyctalus azoreum*).

The taxonomic status of the Azorean bat (*Nyctalus azoreum* Thomas 1901) was assessed, by a principal components analysis of measurements of the external morphology of the bat, together with specimens of the closest related *Nyctalus* species from mainland Europe (*Nyctalus leisler*). This analysis confirms the recent suggestion, based on a similar analysis of skull morphology, that the Azorean bat represents a good species, distinguished from *N. leisleri* by its smaller size -forearm lengths for *N. azoreum* in range 35.7 - 42.0 mm (n = 14), compared with 42.0 - 45.8 mm (n = 8) for *N. leisleri*. The status and distribution of the Azorean bat was assessed by a survey conducted in the Islands in September and October 1988. We assessed the presence or absence of bats, in 62 (1' latitude x 1' longitude) plots at the west end of the island of Sao Miguel. The study area covered 6 % of the total land area of the archipelago and contained representative areas of all the major island habitat types. A less intensive survey throughout four other islands, literature review and information from other sources revealed that the bat is probably distributed throughout the entire archipelago, with the possible exception of Flores and Corvo. Bats were active both in the day and at night. At night, bats were mostly active in coastal villages where they were closely associated with street lighting. During the day, most bats were active in the inland areas near to Caldeira lakes. The maximum number of bats observed simultaneously active in the day was six whilst at dusk swarms of up to 55 (± 5) bats were observed together. At night, bats were also active over approximately 1.5 x the area they occupied in the day. By assuming the bat is found throughout the archipelago, and that our study area was representative, we estimated the maximum population to be between 1750 (from daylight activity) and 23,650 (from nocturnal activity). This latter estimate implies a population density throughout the archipelago of around 0.1 bats per hectare.

Spiewak, R., S. G. O. Johansson and B. Wüthrich (1996). Der interessante Falll. Berufsbedingtes Asthma auf Fledermäuse (Chiropteren).

Es wird ein 31-jähriger Patient mit atopischer Konstitution beschrieben, bei dem es infolge heruflicher Exposition mit Fledermäusen zur Asthmaentwicklung kam. Aufgrund der duchgeführten Untersuchungen (Hauttests und RAST mit Fledermausallergenen) konnte eine IgE-abhängige Reaktion bestätigt werden. Da der Patient, als engagierter Wissenschaftler, auf die Kontakte mit Chiropteren nicht verzichten wollte, wurde eine Desensibilisierungstherapie mit Fledermaus-

allergenextrakt unternommen. Nach einem Behandelungsjahr verspürte der Patient bei erneuten Chiropteren-Kontakten kein Beschwerden mehr.

We describe a 31 years-old atopic patient, in whom after occupational exposure to Chiroptera bronchial asthma developed. The performed tests (skin test and RAST with bat allergens) confirmed the presence of an IgE-dependent allergic reaction to bat allergens. While the patient, as an engaged scientist, was not able to abandon the contact with Chiroptera, a specifi immunotherapy with bat allergen extracts was undertaken. After one year of therapy the patient had no more symptoms at contact to the Chiroptera.

Spinage, C. A. (1988). First steps in the ecology of the Bamingui-Bangoran National Park, Central African Republic.

A description is given of the 11,560 km^2 Bamingui-Bangoran National Park situated in the mid-Sudanian phytogeographic domain of the Central African Republic. Attention is drawn to the interest of the ecology of this little-known zone, which lies between north-south and east-west ecotones, of the sahel-tropical forest and oriental region west Africa, respectively. Preliminary collections of plants and small mammals were made. An analysis of the flora and the large mammals observed suggests a predominantly West African affinity. The subspecific endemism shown by the large mammals appears more probably linked to Pleistocene isolation by the Chari-Logone river system, than to a mega Lake Chad as has been postulated elsewhere.

Spitzenberger, F. and K. Bauer (1979). Die Säugetierfauna Zyperns. Teil II: Chiroptera, Lagomorpha, Carnivora und Artiodactyla

Auf Zypern leben 1 Megachiropteren- und 11 Microchiropterenarten (davon erstmals bestätigt: *Myotis blythi, Eptesicus serotinus, Nyctalus noctula*), ferner *Lepus europaeus, Vulpes vulpes* und *Ovis ammon*. Die vom frühen Neolithikum bis in die späte Bronzezeit durch Knochenreste nachgewiesene *Dama mesopotamica* wird als autochthones Säugetier betrachtet. - Die von ANDERSEN 1918 vorgenommene Zuordnung zypriotischer *Rhinolopus hipposideros* zu *midas* wird bestätigt. Die *Myotis blythi*-Population Zyperns entspricht in der Größe *omari*, weicht jedoch in der Schnauzenproportion davon ab. - Eine tiergeographische Analyse der Säugetierfauna Zyperns ergibt ein Überwiegen mediterrano-turkestanischer, bzw. irano-turanischer Elemente und gleicht verblüffend der pflanzengeographischen Analyse durch ZOHARY 1973. Bei vielen Arten lassen sich Verbindungen zum angrenzenden Festland (vorwiegend SE-Anatolien) nachweisen. Die Eigenständigkeit vieler Populationen weist auf relativ lange Isolierungszeit hin. Es wird daraus auf eine natürliche Einwanderung der rezenten Säugetierfauna im (Oberen ?) Pleistozän geschlossen. - Körper- und Schädelmaße von 258 *Rousettus aegyptiacus* werden auf Alters- und Geschlechtsvariabilität untersucht. Die beiden Phasen des bimodalen Fortpflanzungszyklus sind bei der zypriotischen Population in Anpassung an das mediterrane Klima zeitlich so eng zusammengerückt, daß ein ? in der Regel nur an einem Zyklus pro Fortpflanzungsperiode teilnimmt. Superfoetation kommt vor.

The Mammal Fauna of Cyprus, Part II: Chiroptera, Lagomorpha, Carnivora and Artiodactyla

In Cyprus live 1 species of Megachiroptera and 11 species of Microchiroptera (from which confirmed for the first time: *Myotis blythi, Eptesicus serotinus, Nyctalus noctula*) as well as *Lepus europaeus, Vulpes vulpes* and *Ovis ammon*. *Dama mesopotamica*, recorded from the Neolithic to the Bronze Age, is regarded as an autochthonous member of the island fauna. - ANDERSEN's 1918 allocation of the Cyprus *Rhinolophus hipposideros* to *midas* is confirmed. The Cyprus *M. blythi* population matches *Omari* in size, but shows peculiarities in proportion of rostrum. A zoogeographical analysis of the Cyprus mammal fauna shows, that mediterrano-turkestanian and irano-turanian elements predominate and displays close parallelism to the phytogeographical analysis by ZOHARY 1973. In many species relationships to neighbouring mainland-populations (mainly S-Anatolia) can be traced. Morphological peculiarities indicate a more or less complete isolation for a rather long time. It is therefore held, that

recent mammals invaded the island through natural land bridges probably in the (Upper ?) Pleistocene. - Age- and sex-variations of skull and body-measurements of 258 *Rousettus aegyptiacus* were investigated. Probably as an adaptation to the mediterranean climate in Cyprus the succession of the two phases of the bimodal reproduction cycle of *R. aegyptiacus* is so quick, that one female usually takes part in only one cycle. Superfetatio does occur.

Stanhope, M. J., J. Czelusniak, J.-S. Si, J. Nickerson and M. Goodman (1992). A molecular perspective on mammalian evolution from the gene encoding interphotoreceptor retinoid binding protein, with convincing evidence for bat monophyly.

The evolutionary relationships of the various orders of placental mammals remain an issue of uncertainty and controversy. Molecular studies of mammalian phylogeny at the DNA level that include more than just a few orders are still relatively meager. Here we report results on mammalian phylogeny deduced from the coding sequence of the single-copy nuclear gene for the interphotoreceptor retinoid binding protein (IRBP). Analysis of 13 species representing eight eutherian orders and one marsupial yielded results that falsify the hypothesis that megachiropteran bats are "flying primates," only convergently resembling microchiropteran bats. Instead, in agreement with more traditional views, as well as those from other recent molecular studies, the results strongly support a monophyletic Chiroptera (micro- and megabats grouped together). The IRBP results also offer some rare molecular support for the Glires concept, in which rodents and lagomorphs form a superordinal grouping. Also in congruence with other recent molecular evidence, IRBP sequences do not support the view of a superorder Archonta that includes Chiroptera along with Dermoptera (flying lemur), Scandentia (tree shrew), and Primates. IRBP was not however, without its shortcomings as a molecular phylogenetic system: high levels of homoplasy, evident in the marsupial outgroup, did not allow us to properly root the tree, and several of the higher level eutherian clades were only weakly supported (e.g., a Carnivora/Chiroptera clade and an Artiodactyla/Carnivora/Chiroptera clade). We suggest that these shortcomings may be diminished as the phylogenetic density of the data set is increased.

Stanley, W. T., J. C. Kerbis Peterhans, R. M. Kityo and L. Davenport (1996). New records of bats for Uganda and Burundi.

The collection of *Myotis welwitschii* and *Pipistrellus kuhlii fuscatus* in Uganda and *Pipistrellus kuhlii fuscatus* from Burundi is reported. These species were previously unknown from these countries. External and skull measurements are presented, as well as descriptions of pelage coloration and collecting locality and comments on distribution of the taxa.

Lors de récentes recherches sur la faune en Ouganda et au Burundi, on a récolté deux espèces de chauves-souris qui n'avaient jamais été signalées dans ces deux pays. On a récolté un spécimen de *Myotis welwitschii* Gray sur le Ruwenzori en Ouganda et des spécimens de *Pipistrellus kuhlii* Kuhl sur le Ruwenzori et sur le mont Elgon, en Ouganda et au Parc National de Kibira, au Burundi. On présente des mesures corporelles et craniennes, ainsi que des descriptions de la couleur du pelage, de l'endroit exact de la récolte et des commentaires sur la distribution des taxons. Le but premier de ces études était de récolter des données de base au sujet de la distribution et l'écologie des oiseaux et des petits mammifères à différentes altitudes dans les aires protégées et les zones avoisinantes. Ces informations sont essentielles pour la conception des plans de gestion des ces régions et pour l'évaluation de l'efficacité des efforts de conservation actuels et futurs.

Start, A. N. (1969). A note on three species of bats (Chiroptera) not previously recorded from Kenya.

Les conditions de capture des spécimens de *Tadarida cistura* au Kenya laissent penser qu'ils effectuaient un important déplacement. La présence de *Tadarida nanula*, connue des forces humides de l'ouest africain (du Congo à la Sierra Leone), dans la savane a acacias du Kenya (avec seulement quelques forets galeries peu denses) implique un déplacement de l'espèce vers l'est à travers des

régions au climat peu propice. Ce déplacement a probablement été favorisé par la dernière période pluviale du Pleistocène. *Mimetillus moloneyi* n'est commune dans aucune des régions occidentales ou centrales de l'Afrique où elle était connue jusqu'à présent, un seul spécimen de cette espèce a été capturé dans l'ouest du Kenya.

Three species of bat not previously recorded from Kenya are noted. The first, *Tadarida cistura*, was taken in circumstances suggesting long distance travel. The second, *Tadarida nanula*, previously known from West African forests as far east as the Congo, provides a large eastward extension to the previously known range, across unsuitable habitat, apparently explained by past climatic factors. The last is *Mimetillus moloneyi* which is widely known from west and central Africa, though nowhere is it common.

Stebbings, R. E. (1973). Size clines in the bat *Pipistrellus pipistrellus* related to climatic factors.

Adult female *P. pipistrellus* from colonies have been caught and measured in various parts of Britain. Sample sizes averaged 91 bats for 21 sites. Forearm means ranged lrom 31.00 - 32.88 mm and many were significantly different. Clines of increasing bat size radiated from west central England indicating the existence of discreet breeding populations. Significant correlations were obtained between increasing bat size with decreasing temperatures and saturation deficit, and with increasing relative humidity. Thus *P. pipistrellus* seemed to conform to Bergmann's rule for a homeotherm.

Stephan, H., H. D. Frahm and G. Baron (1987). Brains of Vespertilionids. I. Subfamily characteristics.

Macromorphology and encephalization (EI) of brains were compared in 58 Vespertilionid species, brain composition in 36 species: 46 or 27 species of Vespertilioninae, 8 or 5 species of Miniopterinae, 2 species of Kerivoulinae, and 2 species of Nyctophylinae. Subfamily differences were found in the extent of the cover of the mesencephalon. It is nearly fully covered in *Keriuoula papillosa* (Kerivoulinae), at least half covered (by the cerebellum in Miniopterinae, and free (cornpletely or nearly so) in Nyctophilinae and Vespertilioninae. In relative brain size, the Kerivoulinae are highest (average EI = 130), followed by the Miniopterinae (111), Nyctophilinae (102) and Vespertilioninae (95). The higher encephalization of Kerivoulinae and Miniopterinae is accompanied by a marked increase of relative size in cerebellum and striarurn, and in Kerivoulinae, in hippocampus and neocortex as well.

St Leger, J. (1936). Dr. Karl Jordan's expedition to South-West Africa and Angola: Mammals.

The series of Mammals collected for the British Museum on the Expedition contains several species of particular interest. The specimens of two squirrels belonging to the genera *Anomalurus* and *Heliosciurus* represent new subspecies recently described by me from this material. Until Dr. Jordan obtained *Anomalurus* in Western Angola, the Flying Squirrel was not known to occur west of the Congo basin. The capture of *Platymops haagneri* at the Waterberg, *Nasilio brachyurus* at Mt. Moco, *Taterona schinzi* at Lobito, and *Leggada bella induta* at Bullsport has also considerably extended the known range of these mammals.

St Leger, J. (1937). Mammals collected by the Lake Rudolf Rift Valley Expedition, 1934.

Although the chief object of the Lake Rudolf Rift Valley Expedition was to make a geological survey and report on this region, a small and interesting collection of mammals was obtained and presented to the British Museum. The majority of the specimens were collected by Dr. W.S. Dyson, the acting medical officer of the Expedition, and by Mr. D.G. MacInnes, who accompanied the party as palaeontologist.

The country is for the main part sand and gravelly subdesert, with patches of rock and stony hills. Acacias and dom palms occur in the vegetation of the river valleys. The only forest is confined to a high altitude on the mountains, but from these no specimens were obtained. The Lake Rudolf Basin is cut off from Uganda by an escarpment 1500 feet in height, and the maximum rainfall east of this escarpment is 5"-10", as opposed to the (estimated) rainfall of 25"-30" of the Uganda plateau. This escarpment, together with the difference in the mount
of rainfall, appears to form an insurmountable barrier for the majority of species. Exceptions are the bats and a tree-squirrel, described below, which ranges, probably along the river valleys, as far west as the Nakwai Hills.

The fauna of the Lake Rudolf region, as was indicated by the collection obtained by the previous expedition in 1930-31, proves to be nearly related to that of Somaliland and the plains of Northern Kenya and South Abyssinia.

Strelkov, P. P. (1989a). New data on the structure of baculum in Palaearctic bats. 1. The genera *Myotis*, *Plecotus*, and *Barbastella*.

The structure of bacula of selected species and subspecies of Palaearctic bats from the genera *Myotis, Plecotus*, and *Barbastella* has been investigated for taxonomical purposes. Bacula of *M. ikonnikovi* and *B. leucomelas* are described for the first time. The former exhibits a very specific state, different from both *mystacinus* and *muricola*. Differences between *B. leucomelas* and *B. barbastellus* suggest these are the separate species.

Strelkov, P. P. (1989b). New data on the structure of baculum in Palaearctic bats. 2. Genus *Eptesicus*.

The diversity in the shape of the baculum has been investigated in the Palaearctic species of the genus *Eptesicus*. The possible ways of re-arrangements of this organ are discussed.

Strinati, P. (1951). Note sur les chauves-souris du Maroc.

La Mission scientifique suisse composée de MM. VILLY AELLEN, ASEN BALIKÇI, RAYMOND GIGON, HENRI GYGAX et PIERRE STRINATI, a exploré, pendant l'été 1950, plusieurs grottes dans la région du Moyen Atlas située au sud de la ville de Taza. Plusieurs dizaines de chauves-souris ont été récoltées et diverses observations ont été faites.

Strinati, P. (1953). Deuxième note sur les chauves-souris du Maroc.

In a previous note of the author (*Mammalia* 15, 23•31), the bat taken for a *Myotis myotis* was in reality a *Myotis oxygnathus*. The author further gives confirmation to the presence in Morocco of *Pipistrellus savii* and adds sorne complementary informations on bats observed in the region of Taza during april 1953.

Strinati, P. (1960). La faune actuelle de trois grottes d'Afrique équatoriale française.

Campagne de prospection biospéologique en Afrique Equatoriale Française. Description de deux grottes du Gabon et d'une grotte au Moyen Congo. Enumération de la Faune de ces grottes.

Biospeological prospection in French Equatorial Africa. Description of two caves in Gabon and of a cave in the Middle Congo. Enumeration of the fauna of these caves.

Stuart, C. T. (1975). Preliminary notes on the mammals of the Namib Desert Park.

The known distribution of sixty three species of mammals occurring in the Narnib Desert Park, South West Africa is given. Notes on the habitat preferences of most of the species as well as some taxonomic data are included

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Stuart, C. T. and H. H. Braack (1978). Preliminary notes on the mammals of the Bontebok National Park.

A check-list of the mammals known to occur in the Bontebok National Park, Republic of South Africa, is presented, including general observations.

Stuart, C. T., T. D. Stuart and H. H. Braack (1987). New mammal records for the Karoo National Park, with notes on several other species.

Five species of mammal are recorded for the first time in the Karoo National Park: *Suncus varilla, Nycteris thebaica. Aethomys granti, Petromyscus collinus* and *Desmodillus auricularis*. The presence of a golden mole, Chrysochloridae,
is noted. Notes on three previously recorded species are presented.

Sudman, P. D., L. J. Barkley and M. S. Hafner (1994). Familial affinity of *Tomopeas ravus* (Chiroptera) based on protein electrophoretic and cytochrome *B* sequence data.

Analyses of protein electrophoretic and mitochondrial cytochrome *b* sequence data support association of *Tomopeas ravus* with the chiropteran family Molossidae. Although analyses of protein electrophoretic data present no clear placement of *Tomopeas* within the Molossidae, analyses of the sequence data support the recognition of *Tomopeas* as a basal and phylogenerically distant member of Molossidae. As a result of these analyses, we present a new taxonomic placement of this distinctive and taxonomically problematic bat.

Swanepoel, P., R. H. N. Smithers and I. L. Rautenbach (1980). A checklist and numbering system of the extant mammals of the southern African subregion.

A checklist of 292 terrestrial and 43 marine mammals currently known to occur in the Southern African Subregion is presented. The scientific name of each species is given together with the author's name, the date of its original description. and its English and Afrikaans vernacular names. Each species is assigned a number in order to facilitate handling of data in computer systems.

Tamsitt, J. R. and D. Valdivieso (1969). Hemoglobin electrophoresis in the systematics of bats (Microchiroptera).

Electrophoresis is a most useful procedure for systematically comparing proteins of different organisms, and data from electrophoretic studies of blood proteins have aided in the clarification of phylogenetic relationships and in grouping higher taxonomic categories (Foreman, 1960; Dessauer, 1966; Johnson, 1968). Hemoglobins, unlike some serum proteins, are not affected by diet, age,

reproductive state, temperature or other variables. There are, however, few electrophoretic data on bat hemoglobin. Manwell and Kerst (1966) and Mitchell (1966) found considerable individual variation and only minor differences between species in the hemoglobins of temperate bats of the family Vespertilionidae. Valdivieso *et al.* (1969) compared electrophoretic properties of hemoglobin from Puerto Rican bats of the families Phyllostomatidae, Vespertilionidae and Molossidae and found differences and similarities correlated with taxonomic affinity. Although hemoglobins of closely related species were indistinguishable, Valdivieso *et al. (op. cit.)* concluded that haemoglobin electrophoresis may be used to add additional evidence to estimates of relationships derived from traditional criteria.

Two distinct electrophoretic phenotypes of hemoglobin occur in bats of the family Vespertilionidae (Manwell and Kerst, *op. cit.*; Mitchell, *op. cit.*; Valdivieso *et al., op. cit.)*, but only one phenotype is known in bats of the families Phyllostomatidae and Molossidae (Valdivieso *et al., op. cit.*). Extensive sampling of additional taxa should indicate whether Neotropical phyllostomatid and molossid bats possess the considerable hemoglobin polymorphism found in temperate vespertilionid bats, whether there are geographic differences in hemoglobins of disjunct populations of the same taxa, and should help determine the worth of haemoglobin electrophoretic properties in systematic studies of microchiropteran bats. We therefore describe here results of new electrophoretic studies on bat hemoglobin which confirm and extend previous observations.

Tate, G. H. H. (1941a). Results of the Archbold Expeditions. Nr 36. Remarks on some Old World leaf-nose bats.

When reviewing recently the genus *Hipposideros*, it became necessary to study other available hipposiderine genera, to re-examine *Rhinolophus*, and to some extent to study the remaining leaf-nosed bats, the Megadermidae and Nyeteridae.

Material referable to *Asellia, Anthops, Cloeotis, Triaenops, Coelops, Rhinolophus, Megaderma, Lavia, Nycteris, Lyroderma* was examined. (*Rhinonycteris* is apparently unrepresented in American collections.) Notes made upon their comparative structures are presented herewith. The hipposiderine genera are considered first, then briefly the Nycteridae and Megadermidae. The isolated position of *Coelops* is pointed out. Only incidental remarks are offered on the Rhinolophinae, reviewed two years ago and now in course of extensive revision by C. C. Sanborn.

A list of materials belonging to these genera contained in the Archbold collections is appended.

Tate, G. H. H. (1942). Results of the Archbold Expeditions. Nr 47. Review of the vespertilionine bats, with specific attention to genera and species of the Archbold collection.

This paper is the eighth and last of a series of publications devoted to the study and determination of a large number of Microchiroptera assembled by Mr. Richard Archbold, which are deposited in The American Museum of Natural History, New York.

The bats in question form a part of a large collection of mammals assembled by Mr. Archbold during the decade 1930 - 1940, mainly by means of his own expeditions to Madagascar, New Guinea and Australia, but also through the work of collectors whom he sent from time to time to Celebes, Borneo, Java and Sumatra.

Our interest in the oriental region has centered upon the mammal fauna of the island of New Guinea. But in order properly to study the mammals of that island it has been necessary to work intensively with those of Australia on the one hand and of southeastern Asia and the East Indian islands on the other.

Reports based upon the fruits of Mr. Archbold's tireless collecting have been published with considerable regularity, the field of research extending far beyond mammalogy to ornithology and other zoological departments. Numerous papers on the botanical material assembled have also appeared.

The present work on the Vespertilioninae has been facilitated by the use of specimens generously lent by the curators at the museums at Chicago, Cambridge and Washington. In addition, numerous photographs of types, made by the kind permission of the authorities at various European and Australian museums, have aided materially in establishing the exact characteristics of species inadequately described.

One new species, *Pipistrellus anthonyi*, is described.

Preliminary papers relating to the Vespertilionidae have been published in which the subfamilies Miniopterinae, Murininae, Kerivoulinae and Nyctophilinae were successively dealt with. *Myotis*, the most primitive genus of the remaining subfamily, the Vespertilioninae, had been previously reviewed. But it was found in practice that the remaining vespertilionine genera were often too closely integrated one with another to permit satisfactory treatment one by one. Instead, a procedure is here adopted under which the subfamily is reviewed as a whole, and the interrelationships of the genera are pointed out, as far as understood. In many instances the data upon which certain species or races have been founded are so vague that it has not been possible to reach a conclusion regarding their status. I do not hesitate to assert that many of the names will go into synonymy. This action should occur, however, only after ample facts have been marshaled in proof. As much evidence is needed to prove synonymy of a species as to demonstrate the distinctness of a new one. It was with the above mentioned idea of an inclusive review of this very complex subfamily that the work following was undertaken.

Despite the modern concept of "the species," based upon populations relatively homogeneous both morphologically and functionally, whose individuals normally interbreed freely and breed rarely or never with other species even when they inhabit the same environment-despite this knowledge and theory and the understanding that one should deal with large samples statistically, in practice the museum student is still compelled to found his assumptions or "conclusions" upon quite small samples or often upon random individuals taken from different localities. To a great extent also he must rely upon other men's observations. Thus he still builds "species" upon morphological distinctions seen in single specimens (types). But he is nevertheless aware of his handicaps and awake to the shortcomings of methods which he must use.'

Taufflieb, R. (1965). Contribution à l'étude des *Trombiculidae (Acarina)* d'Angola.

L'auteur passe en revue 24 espèces de *Trombiculidae* connues actuellement d'Angola, principalement de la région du Nord-Est, parmi lesquelles figurent 4 spèces nouvelles et un nouveau genre: *Machadella*, décrits dans cette note. Au point de vue zoogéographique, la région de Dundo fait la preuve de son caractère frontalier entre la Sous-Région Occidentale et la Sous-Région Orientale. La spécificité parasitaire est faible et n'explique qu'imparfaitement la répartition des larves.

Twenty-four *Trombiculidae* species are known now from Angola, chiefly from the northeastern region. Four new species and a new genus: *Machadella*, are described. From the zoogeographical point of view, the region of Dundo is situated on the boundaries between Western and Eastern Sub-Regions. Larva host specificity is not of great importance and distribution of these chiggers seems to be due more likely to ecological requirements of adults.

Taufflieb, R. (1972). Trois nouveaux Trombiculidae (Acarina) du Sénégal.

Au cours d'une tournée de prospections arbovirologiques dans la région de Kédougou, au Sénégal Oriental, nous avons pu récolter un nombre important de Trornbiculidae parmi lesquels les trois espèces nouvelles suivantes.

Three new species of Trombiculidae are dcscribed from Sénégal. Genus *Chiroptella* is mentionned from Etliiopian Region for the first t.irne.

Taufflieb, R. and J. Mouchet (1959). Revue des Trombiculidae du Cameroun et description de huit espèces et sous-espèces nouvelles.

Les premiers trombiculides camerounais ont été récoltés par J. RAGEAU et déterminés par M. ANDRE (1952); il s'agissait de *Trombicula mastomyia giroudi* André, 1951 dont l'hôte était *Rattus norvegicus* capturé à Douala. Depuis 3 ans, l'examen de nombreux rongeurs, insectivores, virerridés, chauve-souris, oiseaux, nous a permis de reconnaître l'existence de 18 espèces et sous-espèces parmi lesquelles huit nouvelles que nous décrivons dans cette note.

Taylor, P. J., E. J. Richardson, J. Meester and L. Wingate (1994). New distribution records for six small mammal species in Natal, with notes on their taxonomy and ecology.

New distribution records are documented for six small mammal species, including three new to Natal (*Crocidura maquassiensis* Roberts, 1946, *Chlorotalpa sclateri* (Broom, 1907), *Cloeotis percivali* Thomas, 1901) and three species showing significant range extensions within Natal (*Grammomys cometes* Thomas and Wroughton, 1908, *Scotophilus borbonicus* (E. Geoffroy, 1803) and *Otomys laminatus* Thomas and Schwann, 1905). Discriminant analysis of *C.* cf. *maquassiensis* from four localities in Natal in relation to known samples of *C. maquassiensis, C. cyanea* and *C. silacea* confirm their identity with minimal overlap between species. Finally, equivocal records of *Graphiurus ocularis* (A. Smith, 1829) and *G.* cf. *murinus* (Desmarest, 1822) are discussed. The occurrence of *G. ocularis* in Natal is equivocal due to the antiquity of one skin from Natal and the ambiguous label data of another specimen. Specimens collected from Swaziland, Mkuzi Game Reserve and Waterpoort (Transvaal) are similar to *G. murinus* in size, colour and skull shape but differ significantly in having reduced M1 and markedly enlarged bullae, and may be an undescribed species.

Theodor, O. (1956). On the genus *Tripselia* and the group of *Basilia bathybothyra* (Nycteribiidae, Diptera).

Some species of Nycteribiidae have been recorded from widely different faunistic regions. Thus, *Eucampsipoda hyrtlii* has been recorded from Africa, Ceylon, Burma and Sumatra. Other species have been recorded from Europe and China or from Europe and South Africa. Re-examination of the material has proved in most cases that the species were wrongly identified and no species has been found so far to exist both in Europe and in East Asia. There remained finally two species which been recorded the Ethiopian and the Oriental region, *Tripselia blainvillii* and *Basilia bathybothyra*. Material of these two species from as many localities as possible was therefore brought together, in order to determine whether this wide distribution does in fact occur or whether, in these cases as well, there existed different forms, species or subspecies, with a narrower range of distribution.

The material for examination consisted of over 70 specimens of *Tripselia blainvillii* (either identified as *T. amiculata* or unidentified), of new species of *Tripselia* from Borneo, Sumatra and New Guinea and of about 150 specimens of '*Basilia bathybothyra*' from the Eastern Mediterranean, Africa, India and Indonesia. In addition, a number of specimens from Australia were examined, which also proved to belong to the genus *Tripselia*. Of these only the specimens of *Tripselia falcozi* were identified and will be included in the present paper. Some of the others have probably been described by Musgrave as species of *Nycteribia*, others are obviously new. There is, however, too little material available at present to deal with these forms.

I have to thank the authorities of the British Museum (Nat. Hist.), Dr R. Wenzel of the Natural History Museum, Chicago, Dr J. Bequaert of the Museum of Comparative Zoology, Cambridge, U.S.A., Dr V. Aellen of the Muséum d'Histoire Naturelle, Geneva, Dr. P. Basilewski of the Musée du Congo Belge, Tervueren, Dr. E. Séguy of the Muséum d'Histoire Naturelle, Paris, and the Director, Indian Museum, Calcutta, for placing their material at my disposal.

The material in the British Museum included the collection by Dr H. Scott and the Rothschild collection, both of which contained very rich and interesting material.

Theodor, O. (1968). A revision of the Streblidae (Diptera) of the Ethiopian Region.

Keys for the identification of subfamilies, genera, species-groups and species of the African Streblidae are given. A fist of species is given, and the host-parasite relationships are discussed. Two new subspecies of *Brachytarsina* are described. The genus *Raymondia* (including the Oriental species) is revised, new characters for the definition of the species are introduced and the genus is divided into species-groups. A number of species are re-described, and two new and two possibly new species are described. The nomenclature of the African species of *Ascodipteron* is revised, a number of descriptions are amplified, and a new species is described.

Thewissen, J. G. M. and S. A. Etnier (1995). Adhesive devices on the thumb of Vespertilionoid bats (Chiroptera).

We describe pads on the thumb of five vespertilionoid bats based on microanatomy and scanning microscopy and make inferences about their function. The pad of *Thyroptera* adheres by means of suction, and that of *Tylonycteris* uses dry adhesion. The pad of *Glischropus* has no true adhesive function and probably functions using friction. Topography of the pad of *Pipistrellus nanus* could interlock with substrate features, but the pad may have a minor function as a suction device. Glueing is most likely involved in the adhesion of *Myzopoda* to its substrate.

Thollesson, M. and U. M. Norberg (1991). Moments of inertia of bat wings and body.

The moments of inertia of the wings about the shoulder joint and about the roll axis were estimated in eight species of bats, using strip analysis. The moment of inertia of the bat's trunk about the roll axis was estimated by assuming the body and head to be ellipsoids. The slopes of the regressions of moment of inertia of one wing about the shoulder joint (J_W) versus body mass (m_{tot}), wing span (b) and wing area (S) were as expected for geometrically similar animals of different size. The exponent for J_w versus body mass in bats deviates from that found for birds, while the exponent for J_w versus wing span does not. A multiple regression was used to show that J_W may be estimated by:

$J_w = 4.49 \times 10^{-3}\ m_{tot}^{0.53} b^{2.15} S^{0.65}$.

The mean value of the moment of inertia originating from the trunk is 7 % of the bat's total moment of inertia (of wings and body combined) about the roll axis. The mass of one wing (m_w) was plotted against body mass for the eight bat species, which gives:

$m_w = 0.112 m_{tot}^{1.11}$.

The slope for our bats, 1.11, is similar to that obtained for birds, 1.10. Adaptations to reduce the moments of inertia may be more important for increasing a bat's flight agility (roll acceleration) than for decreasing the total mechanical power required to fly. The influences of wing moment of inertia and wing shape on manoeuvrability and agility are discussed.

Thomas, D. W. (1981a). The role of fruit bats in seed dispersal and regeneration in a Southern Guinea Savanna. Abstract.

This study was undertaken to quantify the importance of Megachiropteran fruit bats relative to frugivorous birds in some aspects of seed dispersal and regeneration. Bats consume 75% of the fruit crop of *Ficus capensis* while birds account for 15%, In the savanna/ gallery forest edge zone 86 - 93%

of the fecal seed rain comes from bats. This bat-generated rain amounted to 7, 000 - 24, 000 feces / hectare / year which, after a measured ant predation rate of 74% per 24 hours, left a seed bank of 64 - 219 feces / hectare / year for regeneration. A census of an experimental fire protected plot showed a regeneration comparable to that predicted. Thus, bats appear as the most important consumers and dispersers of some secondary colonizing plants.

Bat biomass, however, appears to be lower than that of frugivorous birds. Reasons why bats, despite low biomass may be more effective dispersers are discussed in an accompanying paper.

Thomas, D. W. (1984b). Fruit intake and energy budgets of frugivorous bats.

Paleotropical fruit bats (Pteropodidae) ingest up to 2.5 times their body mass in fruits nightly. On a mass-specific basis, this is about double the amount reported for neotropical fruit bats (Phyllostornidae). By manipulating the energy and protein contents of their diets, I found that the pteropodids' high fruit intakes are determined by the protein content of the fruits they exploit. Pteropodids appear to be obliged to overingest energy in order to obtain sufficient protein. Phyllostomid fruit bats may escape this protein constraint by supplementing their diets with insects,.thus increasing the overall protein content of the diet. Differing abilities to supplement their diets may result in important differences in how pteropodid and phyllostornid bats nutritionally evaluate fruits, regulate their intakes, and function as seed dispersers.

Thomas, D. W. and M. B. Fenton (1978). Notes on the dry season roosting and foraging behaviour of *Epomophorous gabianus* and *Roussettus aegyptiacus* (Chiroptera: Pteropodidae).

We studied the movements and foraging behaviour of *Epomophorug gambianus* and *Rousettus aegyptiacus* during the dry season in Rhodesia. The nightly activity of both species was concentrated in the riparian forest where they fed on the fruits of *Diospyros senensis*. *Epomophorus gambianus* roosted during the day high in the thick canopy of *Trichelia emetica* or *Kigelia Africana* along the river banks and began foraging, each one in a preferred *D. senensis* shrub, before 1845 hrs. *Rousettus aegyptiacus* arrived in the study area approximately one hour later and appeared to forage in groups. The temporal separation of the feeding times of the two species of bats may provide a basis for the partitioning of a single species food resource.

Thomas, D. W. and A. G. Marshall (1984). Reproduction and growth in three species of West African fruit bats.

This study outlines the reproduction periods of the African fruit bats *Epomops buettikoferi, Epomophorus garnbianus*, and *Micropteropus pusillus* at two West African savanna sites: a wet southern Guinea savanna and a drier southern Sudanese savanna. At both sites the two annual birth periods were timed such that both lactation by only one weaning period coincided with the rainy season peaks in fruit availability. On this basis we propose that lactation rather than weaning was the important determinant of the timing of reproduction. There was no evidence of cycling of testes size in males corresponding with the seasonal mating periods. *E. buettikoferi* and *M. pusillus* females mated at six months and gave birth at the age of 12 months. Males of the two species reached puberty by 11 months and seven months, respectively. Growth rates did not differ between cohorts growing through the wet and dry season and *E. buettikoferi* and *M. pusillus* grew at rates of 276 mg/day and 116 mg/day, respectively.

Thomas, N. M. (1997). A systematic review of selected Afro-Asiatic Rhinolophidae (Mammalia: Chiroptera): an evaluation of taxonomic methodologies.

A taxonomic review of five members of the *Rhinolophus ferrnmequinum* group (Mammalia: Chiroptera: Rhinolophidae) from Africa and Asia is undertaken. The study incorporates a suite of taxonomic methods, using both morphological data and sequence data of the cytochrome *b* gene of mitochondrial DNA.

Six species of *Rhinolophus* are recognised from within the region, namely *R. ferrumequinum, R. clivosus, R. bocharicus, R. rouxii, R. sinicus* and *R. affinis*. *R. sinicus* is promoted to species rank, having previously been considered to represent a subspecies of *R. rouxii*. Intra-specific variation, both geographic and non-geographic is analysed, and revised classifications presented. Synonyms, and their original descriptions, are given for each species, and species limits and distributions are defined. Diagnostic characters are described, and tables of measurements included.

Inter- and intra-specific relationships are examined using classical taxonomic methods, numerical phenetics, cladistic analysis, molecular techniques, and the total evidence approach. Each method is discussed in detail, and the literature relevant to each technique reviewed. This rigorous methodological approach is undertaken in order to provide robust taxonomic classifications, and to allow for each of the methods employed to be evaluated in terms of their ability to solve a complex taxonomic problem.

The use of a combination of methods is found to provide a high degree of taxonomic resolution. The relationships of the five study taxa are clarified, with the hitherto unresolved relationship between *R. ferrumequinum, R. clivosus* and *R. bocharicus*, and the taxonomic status of *R. sinicus* being of particular note. In addition, taxa requiring further systematic investigation are identified for future research, such as *R. rouxii* from southern India and Sri Lanka, and *R. ferrumequinum Nippon* from Japan.

The evolutionary history of the *R. ferrumequinum, R. clivosus* and *R. bocharicus* complex is discussed in the light of the results of systematic analysis, as are the specific and subspecific relationships of *R. rouxii* and *R. affinis*. It is concluded that *R. clivosus* and *R. bocharicus* may have evolved from populations of *R. ferrumequinum* as a result of allopatric speciation occurring during periods of climatic change in the Pliocene and Pleistocene. Methodologically, it is concluded that the comparison of results from a number of techniques provides a robust base from which to formulate taxonomic conclusions. The optimal approach is considered to be a combination of molecular analysis and classical morphological investigation.

Thomas, N. M., D. L. Harrison and P. J. J. Bates (1994). A study of the baculum in the genus *Nycteris* (Mammalia, Chiroptera, Nycteridae) with consideration of its taxonomic importance.

The bacula of 11 of the 15 species commonly recognised within the genus *Nycteris* (Cuvier & E. Geoffroy, 1795) have been examined. The bacula are described and illustrated, and notes on the systematics of the genus, with particular refererice to bacular morphology, are included. *N. parisii* is considered distinct from *N. woodi* on the basis of bacular morphology. The baculum of *N. woodi* separates it from the other members of the *macrotis* group. *N. grandis* has a particularly distinctive baculum.

Thomas, O. (1880). XXII. On bats from Old Calabar.

Through the kindness of Dr. J. A. Smith, of Edinburgh, the British Museum has recently received a small collection of Bats obtained at Old Calabar by Dr. A. Robb, of the United Presbyterian Mission at that place.

The collection consists of four specimens of *Epomophorus comptus*, All., concerning which Dr. Smith has himself published a most valuable notice, one specimen each of *Nycteris grandis*, Ptrs., *Vesperugo nanus*, Ptrs., a new species of *Vesperugo*, a new species of *Kerivoula*, and an immature specimen of a species allied to, or identical with, *Vesperugo Kuhlii*, Natt., but which is not in a condition to be certainly determined.

Thomas, O. (1886). 2. On the mammals presented by Allan O. Hume, Esq., C.B., to the Natural History Museum.

Accompanying the magnificent donation of Indian birds recently made to the National Museum by Mr. A. O. Hume, there is a collection of nearly 400 mammals, "which, although appearing of small account beside the enormous ornithological series, is yet, viewed on its own merit, one of the finest collections of mammals ever received by the Museum. This is due not only to the large number of the specimens and the excellence of the skins, which are both in preparation and conservation very far above the average, but also to the careful manner in which they have been labelled, nearly all of them having their exact localities and dates recorded. Thus of the 371 specimens retained in the Museum, only 59 are undated, and only some 10 or 12 are without exact localities, while such large series of perfect skins, especially of the Squirrels and other small mammals, have probably never before been brought together.

The collection consists of a few specimens respectively from Simla. Delhi, the Nilghiris, and the Andaman and Nicobar Islands, but the great mass of it came from four separate localities, viz. Sambhar, in Rajpootana, Manipur, Tenasserim, and the Malay peninsula, and I have thought it better not to give one list of the whole, thereby confusing the localities and destroying any use the list might have for faunistic purposes, but to give four separate lists, each of which forms a distinct contribution to the fauna of a well-defined locality.

The total number of species represented in the collection is 106, of which 19 are from Sambhar, 19 from Manipur, 25 from Tenasserim, and 28 from the Malay peninsula, the remainder being from the other localities above mentioned.

Before commencing ihe detailed lists, I must express my obligations to Mr. W. T. Blanford for the assistance he has given me in working out this collection, an assistance the more valuable as he is himself preparing a work on the mammals of India, and has therefore the whole subject at his fingers' ends. For help also in making out details of localities, dates, &c. I must thank my colleague Mr. R. Bowdler Sharpe, who himself fetched the collection from Simla, and to whose careful packing the excellent condition in which the specimens now are is partly due.

Thomas, O. (1888). 1. On a collection of mammals obtained by Emin Pasha in Equatorial Africa, and presented by him to the Natural History Museum.

The Mammals recently received by the Natural History Museum from Dr. Emin Pasha number 115, belonging to 39 species - a collection which is of the utmost value as a contribution to our knowledge of the Central-African fauna, and one which reflects the highest credit on the energy and scientific spirit of the man by whom it was formed. When the cares and anxieties of a person in the position of responsible governor of a large and turbulent. African province are considered, it seems wonderful that Emin should have been able to make any collections at all, and still more should have made such a collection as the present, nearly every specimen of which has been carefully labelled in his own handwriting, with the date, sex, and exact locality - particulars which add enormously to its scientific value.

The great mass of the collection was not obtained at Dr. Emin's headquarters, on the Upper Nile, but in a district called Monbuttu (lat. 2° 30' N., long. 27° 50' E.), just within the Congo basin, and separated by the Congo-Nile watershed from the Wadelai region. There, practically, all the interesting forms were collected; and, considering their number, and especially their strongly marked geographical character, the general affinities of the mammal-fauna of this district may now he looked upon as settled; their affinities are discussed at the end of the present paper.

Of the more recent papers on the Central-African mammal-fauna the three following are the most important: -

1. Pagenstecher, Dr., "Die von Dr. G. A. Fischer, auf der im Auftrage der geographischen Gesellschaft in Hamburg unternommenen Reise in das Massai-Land gesammelten Saugethiere ".

2. Noack, H., "Beiträge zur Kenntniss der Säugethier-Fauna von Ost-und Central-Afrika"

3. Leche, W., "Ueber einige von Emin Pascha gesammelte afrikanische Säugethiere"

The first of these contains notes on 31 species of mammals, but the region explored by Dr. Fischer has so different a fauna from Monbuttu, that only some three or four species, and those very widely spread, are common to both collections.

Dr. Noack's paper also, based on the mammals collected by Dr. Böhm in the Marungu country, on the south-west coast of Lake Tanganyika, refers to a fauna very different to that of Monbuttu, although several species, and those some of the-most interesting (e. g. *Sciurus boehmi* and *Mus kaiseri*), are found in both districts.

Finally, Dr. Leche's paper is founded, like the present one, upon specimens collected by Emin Pasha. Fifteen species are enumerated, but these come chiefly from the Upper Nile district, only three of them occurring also in the Monbuttu collection. The localities given are so widely scattered that the paper, although important for the histories of the individual species, gives but little definite faunistic information.

There is also a list of 71 species observed in Niam-niam-land, given at the end of Dr. Schweinfurth's "Im Herzen von Afrika," but the list is a merely nominal one, except that the different native names of the animals are all carefully recorded. Two of Dr. Emin's West-African animals, the Chimpanzee and *Galago demidoffi*, occur in the list.

The 39 species in the present collection consist of 3 Primates, 8 Carnivora, 1 Insectivore, 3 Bats, 1 Ungulate, 1 Edentate, and no less than 22 Rodents, Dr. Emin having wisely paid most attention to the latter group, in which our knowledge of the smaller forms is still so exceedingly incomplete.

Thomas, O. (1890a). 3. On a collection of mammals obtained by Dr. Emin Pasha in Central and Eastern Africa.

The Mammals now described were collected partly on Dr. Emin's return march from his Equatorial Province, and partly by himself or by friends of his during his stay at Bagamoyo. The former, like the magnificent collection sent over in 1887, were presented by him direct to the Natural History Museum, and the latter were given to the Zoological Society, whose Council have in their turn passed them on to the Museum for comparison and preservation.

Afther the collections described in the previous papers were dispatched in 1887; Dr. Emin continued to investigate the fauna of the region of the grea lakesn, and it speaks volumes for his energy and enthusiasm that after all the collections then made had most unfortunately been lost, he should, nevertheless, have perseveringly continued to collect all the way down during the painful march from Equatoria to Bagamoyo, and should, under such difficulties, have been able to obtain so many valuable specimens as are here de'scribed. Later, while at Bagamoyo, he exercised his influence among his friends, and the specimens recorded as from Monda, in the Nguru Mountains, and from Mandera, a place equidistant from Saadani and Bagamoyo, about 25 miles from the coast, were obtained for him in this way. Those from the latter locality were collected by Lieut. Langheld, to whose friendly exertions we owe some of the most interesting specimens obtained.

Every skin collected during the march has been most carefully labelled by Emin himself, many of the particulars so recorded being of the utmost value, and increasing very considerably the interest of the specimens.

Thomas, O. (1890b). Description of a new *Scotophilus* from the Gambia, with remarks on some of the allied species.

In a further consignment of,bats sent to the Natural History Museum from Bathurst; on the River Gambia, by my friend Dr Percy Rendall, I find two examples, one adult :and the other immature, of the following interesting new species, of *Scotophilus*:

Thomas, O. (1894a). 1. On the mammals of Nyasaland: third contribution.

The present paper contains an account of the third and fourth collections of Mammals made and presented to the National Museum by Mr. H. H. Johnston, C.B., Consul-General for British Central Africa, with the help of his able assistant, Mr. Alexander Whyte, F.Z.S. Papers on the two previous collections have already been published.

The series now described bears out the prophecy I ventured to make in 1892, that as Mr. Whyte's knowledge of the locality increased he would be able to obtain the rarer and more local species, and that among these there would certainly be some novelties. For although there are not a very large number of species altogether represented in the present collection, yet several are new to the locality, one is a rediscovered species described thirty years ago, and two are new to science.

The Mammal-fauna is therefore evidently far from worked out, and Messrs. Johnston and Whyte should be encouraged, to continue their explorations until, after the receipt of five or sis more similar collections, we may perhaps be in a position to say that our knowledge of the Mammals of the district approaches completion.

Thomas, O. (1894b). 4. On some specimens of mammals from Oman, S.E. Arabia.

Dr. A. S. G. Jayakar, whose magnificent collections and donations of Muscat fishes are known to all ichthyologists through the papers upon them by Mr. Boulenger, has, during the past few years, collected and presented to the National Museum a certain number of mammals, and he has now sent home a further consignment, of such value as to demand a proper account.

So far as I am aware, no list of mammals from this very interesting region has ever been published, and Mr. Blanford's description of *Erinaceus niger*, the same author's passing reference to a Muscat specimen of *Vulpes leucopus*, Sir V. Brooke's description of *Gazella muscatensis*, and Sir O. St. John's notes on *Oryx beatrix* appear to be the only references to this locality that occur in mammalian literature. Dr. Jayakar having obtained examples of all these four species, his collection includes specimens of all the mammals known to occur in this part of Arabia.

The geographical relationships shown by the mammals of Muscat are, as might be expected, about equally with Africa and India, three of the species being distinctly African in affinities, three Indian, and the remainder either peculiar ,or widely-spread and of no special significance.

Of the 17 species included in the list, two are new, one of them, *Hemitragus jayakari*, the new Goat, forming a most striking and interesting discovery, on which Dr. Jayakar is much to be congratulated. The new Hare, *Lepus omanensis*, is also markedly distinct from any of its allies.

Thomas, O. (1897a). 1. On the mammals of Nyasaland: fourth Notice.

The present paper contains an account of all the mammals which have been received by the British Museum from Nyasaland since the beginning of 1894, and forms a continuation of my three previous papers on the subject. As before, it is to the generosity and scientific spirit of Sir Harry Johnston that we owe most of the specimens referred to, but in addition some other members of the British

Administration have been good enough to contribute specimens on their own account, and thus to further the cause of scientific research.

Among these contributors may be specially mentioned the names of Mr. Alfred Sharpe, Dr. Percy Rendall, and Mr. H. C. McDonald, each of whom has been lucky enough to send home specimens sufficiently distinct to be described as new.

In the following pages, where the name of tbe collector is put in brackets the specimens have been obtained as part of his official duties in the administration, and are to be considered as presented by Sir Harry Johnston; while direct donations to the Museum are shown by the words "Presented by" before the name of the collector. As usual, the majority of Sir Harry Johnston's specimens have been obtained by that indefatigable naturalist, Mr. Alexander Whyte.

In order to make the list of Nyasa mammals as complete as possible, I have here inserted the name of every species obtained during the whole of Sir H. Johnston's explorations of Nyasaland, with references to the places in the previous three papers where the species are noticed or described, and, in addition, those mentioned by Mr. Sclater in his various papers. As a result the present paper contains a complete list of all the mammals as yet received by the Museum from Nyasaland, numbering 82 in all.

Thomas, O. (1897b). 6. On the genera of Rodents: An attempt to bring up to date the current arrangement of the order.

Just over twenty years ago, in 1876, Mr. E. R. Alston contributed to this Society his invaluable paper "On the Classification of the Order Glires," a paper which in its broad outlines has formed the basis for almost every Museum Catalogue, compiler's list, and general text-book that has been written since it appeared. Based as it was on the earlier works of Waterhouse, Gervais, Brandt, and Lilljeborg, Alston's arrangement has in this way received almost universal sanction, and the present writer is far from wishing to alter the essential characteristics of the scheme.

But, owing partly to Alston's not having seen examples of many of the genera included, and partly to the great increase in the number of known forms that has taken place since he wrote, his paper has gradually become somewhat obsolete in its detailed arrangement of the subfamilies and genera, however correct his positions for the suborders and families may still be considered to be.

Now, every Museum-curator when arranging his specimens, and every writer either of a text-book or of a faunistic work, is constantly being confronted by the difficulty as to where to place in the system this or that genus of Rodents, for which he has perhaps himself neither time, inclination, or opportunity to search out a proper and appropriate position. It is for the object of helping such persons that the present paper has been prepared, so bold a venture being due to the fact that the increase in the British Museum collections has fully kept pace with the general increase of knowledge, and that there are very few genera known from any part of the world of which specimens are not in that collection. With such unrivalled material available, the opportunities for mistaken work have been reduced to a minimum; and in the following list it may be said that the specimens have been allowed to sort themselves, and where my alterations are found to be strikingly different from those of Alston it will generally be found that the forms referred to were not available for examination in his time.

One recent author only has diverged much from Alston's system, namely Dr. Winge of Copenhagen, who, in connection with his work on the Rodents of Lagoa Santa in Brazil, has written a revised general arrangement of the Rodents. His classification, however, is a rather one-sided one, being based almost entirely on the structure of the masseter muscles and the bones related to them, and, however thoughtful and clever it may be in many ways, is so widely divergent from all previous classifications that without much stronger reasons than he adduces I should not be prepared to follow it. No doubt many of his alterations are admirable, such, for example, as the reference of *Sminthus* to the *Dipodidæ*; but when we find *Pedetes* placed with *Anomalurus*, and *Platacanthomys* combined with *Myoxus* in a group set over against *Graphiurus*, we see that a good deal of confirmation will be needed before the classification the world is accustomed to is abandoned in favour of that proposed by Dr. Winge. Prof. Zittel and Dr. Tullberg have also contributed to the revision of the classification of the Rodents. The

former gets rid of the difficulties by putting all the awkward families into a separate group, the Protrogomorpha. The latter largely follows Winge, but does not as yet enter into details.

Dr. Trouessart's most useful list of Rodents is entirely based on Alston's arrangement, and is so admittedly a compilation that no special criticism of it is here necessary.

No attempt has been made to follow Alston's example of giving diagnoses of the groups and genera, partly for the simple reason that the labour and time demanded woud have rendered the preparation of the paper at all quite impossible, and partly because such diagnoses can never be really full and accurate unless prepared in connection with the working out of the species of each genus. Moreover, of all the groups he recognizes, Alston's paper contains diagnoses, and it would be superfluous to repeat them here. Where I differ from his conclusions full reasons are giyen in the footnotes.

Comparing the numbers of recent families and genera recognized in the two papers, we have 18 families in Alston against 21 now, the difference being due to the *Lophiomyidæ* being suppressed, and the *Bathyergidæ, Heteromyidæ, Erethizontidæ*, and *Pedetidæ* added. Of genera Alston recognized 100, as against 159 now considered valid; of the additional 59 just about half are formed by the breaking up of old genera and half are altogether new discoveries.

Nomenclatural questions have of necessity cropped up here and there, and the recent work of American authors in this respect has been fully utilized. It is with the greatest regret that I have had to use a good many names unfamiliar to English naturalists, but the evidence in every case is so clear as to leave no room for doubt, and none are mere matters of opinion. Recognizing that the ultimate use of these names is inevitable, I think the sooner a knowledge of them is disseminated the sooner will the intermediate stage of confusion be passed through and done with. Where comparatively unfamiliar names are used, the better-known terms are placed in brackets after them, as also are any special synonyms which it seems of importance to mention.

It should bo again repeated that the special object of the list is the proper allocation of the genera in their respective subfamilies, and I have purposely been as conservative as possible with regard to the groups of higher rank, following Alston wherever there has not been very special reason for departing from his arrangement.

In regard, however, to *Anomalurus* and *Aplodontia*, both placed by him in the Sciuromorpha, I have had to give in my adhesion to the views expressed by more recent authors, that these two aberrant genera cannot rightly be placed with the Squirrels. But where they should go is by no means clear - Winge, Zittel, and Tullberg all differing in the matter; nor can I say that I agree with any one of them. As it seems a pity to abolish the convenient and time-honoured groups Sciuromorpha, Myomorpha, arid Hystricomorpha, just for the sake of these genera, I have thought it best to put each of them under a special group-name, leaving it for further research to show their true relationships. Fortunately, their serial position in the list, like that of *Pedetes*, may be left almost exactly as in Alston's paper.

Thomas, O. (1898a). 2. On the mammals obtained by Mr. A. Whyte in Nyasaland, and presented to the British Museum by Sir H.H. Johnston, K.C.B.; being a fifth contribution to the mammal fauna of Nyasaland.

In June and July 1896 Mr. Alexander Whyte, the well-known collector, made an expedition into Northern Nyasaland for the purpose of investigating the fauna of that part of the territories administered by Sir Harry Johnston. The expedition proved remarkably successful, for besides the large number of specimens of other groups obtained, Mr. Whyte brought back the fine collection of mammals of which the present paper gives an account.

The chief localities where Mr. Whyte collected were the Nyika Plateau (about 10° 30' S., and 33° 30' E.), the Masuku Plateau, slightly further northwards, and Fort Hill (about 9° 40' S., 33° 20' E.), these localities all lying just to the west of the north of Lake Nyasa, and at altitudes of from four to seven thousand feet. A few odd specimens were also obtained at Karonga Ruarwe on the lake shores.

I have also included in the list some few additional specimens from Zomba and the south end of the lake, and among others very interesting results of a trip made by Mr. Whyte to Mount Malosa, just north of Mount Zomba, in November, where he obtained examples of several species not previously recorded Nyasaland.

Now that Mr. Whyte has retired from his labours in tropics, it is only fitting that in this, the last paper that will appear on his Mammals, special reference should be made to the great value of the services he has rendered to zoology in general, and to knowledge of mammals in particular, and to the way in which, during the past six years, he has utilized the opportunities given him the generosity and public spirit of Sir Harry Johnston.

As in previous papers, a few specimens are included which Museum owes to other members of the Nyasa Administration, notably to Mr. Alfred Sharpe, and now that Mr. Sharpe succeeded to Sir Harry Johnston's post, we may hope that by his help our knowledge of the riches of the Nyasa Protectorate will still continue to increase.

The northern region visited by Mr. Whyte proves to have very close affinity with that explored by the German travellers Böhm, Reichard, and Kaiser south and south-west of Tanganyika, the mammals collected by whom were worked out by Dr. Noack. Thus Mr. Whyte has obtained examples of several characteristic species described from their collections, notably *Rhynchocyon reichardi* and *Gerbillus böhmi*, both of which are forms quite new to the fauna of Nyasaland.

The following is a list of the new species contained present collection, those marked with an asterisk having described in a previous preliminary communication to the Society.

Thomas, O. (1898b). VIII. On the mammals obtained by Mr. John Whitehead during his recent Expedition to the Philippines.

Mr JOHN WHITEHEAD, whose exploration of Mount Kina Balu has already, rendered him famous as a collector, has during the last three years been engaged in the exploration of the islands of the Philippine group, partly at his own expense, and partly at that of the "subscribers to the Whitehead Fund," to whose generosity the National Museum owes the donation of the whole of the specimens that the subscribers had a claim to under Mr. Whitehead's agreement with them.

As the exploration has been so remarkably successful, it is only fitting that an acknowledgment of their generosity should be appended to this account of the Mammals obtained during the expedition. Their names are as follows: - Messrs. Matthew, James, and Andrew Arthur, the Duke of Bedford, Major Cooper Cooper, the late Mr. Alexander Dennistoun, Mr. John Dennistoun, the late Lady Huntingtower, the late Mr. Henry Seebohm, Mr. J. G. Sandeman, and Mr. J. T. Thomasson.

The Philippine Islands, however rich in birds, have always previously been looked upon as a group very poor in Mammals, especially in comparison with the rich faunas of the other islands of the East Indian- Archipelago. This poverty was particularly evident in regard to really peculiar indigenous Mammals; for, with the exception of *Phlœomys cumingi*, scarcely a Mammal was known from the group other than members of widely-distributed genera, of which the Philippine species were either identical with or closely allied "to Palawan, Bornean, or Celebean forms.

Little, therefore, could have been expected from the expedition further than the discovery of a few fresh species of genera known to inhabit the group, and this, so far as regards the islands other than Luzon, is just what has occurred. But in the great northern island of the group Mr. Whitehead has made a most-wonderful and unexpected discovery, that of a new and peculiar Mammal-fauna inhabiting the Luzon highlands, and, so far as is yet known, mostly isolated on a small plateau on the top of Monte Data, in the centre of Northern Luzon, at an altitude of from 7000 to 8000 feet.

The plateau itself, as will be seen by Mr. Whitehead's notes below, is of extremely small size, but in spite of this fact he obtained there specimens of the following remarkable series of animals.

Thomas, O. (1900). 2. On the mammals obtained in South-western Arabia by Messrs. Percival and Dodson.

On the initiative of Mr. Ogilvie Grant, and by the active assistance of General Creagh, Governor of Aden, an expedition was arranged during the past autumn to South-western Arabia for the purpose of obtaining zoological specimens for the British Museum. The expedition consisted of Mr. A. B. Percival and Mr. W. Dodson, the latter having especial charge of the mammal-collecting.

Mr. Dodson had already had some experience as a collector of .small mammals during a trip to Roumania in the spring, and he had shown such keenness and aptitude for the work that he would evidently have become an exceptionally able collector, but most unfortunately he contracted fever at El Khaur, and having been brought back to Aden by Mr. Percival, died there on the 20th of October.

The present collection, in the formation of which Mr. Dodson took, to the last, the most vivid interest, is naturally very similar in character to that obtained by Col. Yerbury in the same region in the spring of 1895, of which an account was given by its collector and myself in the Society's ' Proceedings' for that year. Further examples of the interesting Gerbilles discovered by Col. Yerbury were obtained and valuable series of various other forms.

The following species are additional to those recorded in the previous list: - *Papio arabicus, Canis pallipes, Vulpes leucopus, Mellivora ratel, Gerbillus gerbillus, Procavia syriaca jayakari*.

The animal that proves to be of greatest interest is the Baboon, of which one specimen, unfortunately a female, but fully adult, and in good condition, was obtained. This specimen is so different from the African *Papio hamadryas* as to require specific distinction.

Tho collection was made mainly in two districts - the one at and around Lahej, Col. Yerbury's chief collecting-ground, and the other in the neighbourhood of El Khaur, a place about forty miles north-east of Aden, and some twenty-live miles west of Shukra. But, as might be expected, no definable difference is to be found in the animals of the two localities.

The notes on habits &c. placed in inverted commas have been contributed by Mr. Percival.

Thomas, O. (1901b). XXXIII. A new Scotophiline bat from British East Africa, with the description of a new genus of the group.

Among some small mammals sent to the British Museum by Mr. S. L. Hinde occurs the skin, with skull, of a Scotophiline bat which does not appear to have been described, and which I propose to name in honour of its collector, who has contributed large numbers of specimens at various times to the National Museum.

It is allied only to *Scotophilus albofuscus*, Thos., and *S. hirundo*, de Wint., and with them forms a special group, which, on a reconsideration of the question, and fortified by the published opinion of Mr. de Winton, I propose to regard
as a genus.

Thomas, O. (1901c). List of mammals obtained by Dr. Donaldson Smith during his recent journey from Lake Rudolf to the Upper Nile.

On his return from his recent adventurous journey to the Upper Nile from Somaliland via Lake Rudolf, Dr. Donaldson Smith has been so good as to entrust to rne for description the specimens of mammals that he obtained, and has further been generous enough to present a number of them, including all the types, to the British Museum.

Owing to the great difficulties of transport large series of specimens were not brought home, nor were many small mammals obtained, but, from the knowledge gained on his previous expeditions, Dr. Smith was enabled to select those that were most likely to be interesting, and this knowledge has been rewarded by the considerable proportion of novelty that the examination of his specimens reveals.

The specimens were mostly prepared by Mr. W. Carlile Fraser, who accompanied Dr. Smith as collector and taxidermist.

Thomas, O. (1901f). XXXVIII. On a collection of small mammals from the Upper Nile obtained by Mr. R.M. Hawker.

Mr. R. MACDONALD HAWKER, to whom the National Museum already owes many valuable mammals collected by him during his various expeditions into northern and northeastern Africa, has now presented to the Museum the specimens obtained during his last winter's trip to the Soudan. They were mostly obtained on the White Nile between Fashoda and Khartoum, and are highly valuable both as supplementing the Museum collection, still very incomplete, from the Soudan, and as illustrating the many species described by Heuglin from specimens no longer in existence. The definite identification of these species of Heuglin's is a matter of
the utmost value.

The number of species in Mr. Hawker's collection is not very large, but among them there are a new hare and a new gerbille; and I have also taken the opportunity to describe a new member of the latter group obtained by Lord Delamere in East Africa.

Thomas, O. (1902). 1. On the mammals collected during the Whitaker Expedition to Tripoli.

Mr. J. I. S. Whitaker, F.Z.S., who has already done so much for the exploration of the Vertebrate Fauna of Northern Africa, and to whom our National Museum is indebted for importand collections of Mammals from Sicily, Tunis, and Morocco, has long wished to send a collecting expedition into the little-known country of Tripoli. Last year, by the kind intervention of the Foreign Office, permission was obtained from the Sultan for Mr. Edward Dodson and a companion, Mr. Drake, to travel through that country, collecting specimens, and it is the Mammalian results of this expedition of which the present paper gives an account.

The expedition was carried out entirely at Mr. Whitaker's expense, and, as in the case of the previous Moroccan expedition, he has generously presented the great majority of the Mammals collected to the National Museum, to which they form a most valuable addition.

As so often happens in such cases, the material available for comparison with the Tripoli collection is most imperfect, and badly needs supplementing by specimens collected in modern fashion. Indeed, of Barbary Mammals the only modern specimens are those of Mr. Eaton from Biskra, and Mr. Dodson's own previous collections from Morocco. Zoologists, therefore, who spend their winters in the south would do a great service to Science and the Museum if they would collect any mammals, however common, at the places they go to

Mr. Dodson left the town of Tripoli on April 2nd, 1901, and travelled southwards by way of Sokna to Murzuk, then returned to Sokna, and from there travelled north-eastwards to the Syrt district, where he worked eastwards along the coast to Ben-Ghazi.

His localities are thus divisible into four groups, as follows: -
I. Inland country north of Sokna. March 1901 and middle of June to middle of July. Specimens collected at Tarhuna, Wadi Sofedjin, W.' Nefed; W. Bey; Bonjem; Erdeul; Ain Hammam; W. Titti; W. Agarib; W. Wagis ; Oumsinerma; Limhursuk; Gebel Binsertia.

This is a desert region, without marked elevations; interspersed with small oases.

II. Soda Mountain district just south of Sokna (28° 55' N., 16° 15' E.). Beginning of May and second week of June. *Localities*. Tamari-Ferdjan; W. Sultan; Getefa; Linzerat.

The Soda Mountains rise to about 3000 ft. above the general level of the plain, not high enough therefore to have any noticeable climatic or faunal peculiarity. There is a map of this distinct in Rohlf's 'Kufra' (1881).

III. Level and descending country southwards to Murzuk (sea-level or below). *Localities*. Shup; Oum el Abid; Zighen; Sebha; Ghodua; Murzuk.

IV. Coast district eastwards from Syrt towards Ben Ghazi. End of July and beginning of August. W. Aggar; Elcusher; Bon Cheifa; Sidi Sweya; Sidi Faradje.

From a geographical standpoint, therefore, the region traversed is of a very good representative character. But, zoologically, there must be many more species which, on account of the hurried nature of the march, and the difficulties in collecting in so wild and semi-hostile a country, must have been missed by Mr. Dodson's party. Indeed, under the circumstances it is surprising how admirable a collection has been made.

As might be expected from the position of Tripoli between Egypt and Algeria, and the homogeneous nature of all three regions, the mammals have no marked general affinity or peculiarity. Some, such as *Acomys, Gerbillus pyramidum, G. eatoni*, and *Dopodillus vivax*, are Egyptian in affinity; and others, notably the *Ctenodactylus*, are distinctly Algerian; but these affinities are evidently only the eastward and westward extensions, hitherto unknown, of Algerian and Egyptian forms, and there seems to be no special faunal relationship with either of the two countries more than the other.

The proportionate number of new forms in the collection is remarkable, the most notable being the *Ctenodactylus* and the fine Hare which I have named in honour of Mr. Whitaker, to whose enterprise and generosity the expedition is due, and who is to be congratulated on its very successful outcome.

Thomas, O. (1903b). LXXII. On the species of the genus *Rhinopoma*.

The Egyptian Pyramids are inhabited by large numbers of bats of the genus *Rhinopoma*, the mouse-tailed bat, first recorded by Belon as long ago as 1554. By Dobson, in his Catalogue, the members of this genus, whether from Egypt or India, were all combined under one heading, *R. microphyllum*, "Geoffrey," although both Peters and Heuglin had pointed out that in Egypt two forms were present, a larger and a smaller, the former having the tail shorter than the forearm, the latter longer.

But in giving new names the two German authors, misled by their belief that Geoffrey's measurements were the original ones, affixed the names to the larger form. Now, however, that Anderson and de Winton's work has drawn attention to the fact that it was Brünnich, and not Geoffroy, who first described the species, I am able to state, on measurements kindly furnished me by Dr. Winge, that the type, still preserved in the Copenhagen Museum, is the large form with short tail (forearm 67.5 millim., tail 61). The smaller one, as to whose distinction from the larger no one who had compared the skulls could doubt for one moment, will therefore require a new name, and may be called.

Thomas, O. (1904a). XXII. New bats from British East Africa collected by Mrs. Hinde, and from the Cameroons by Mr. G.L. Bates.

The British Museum owes to the kindness of Mrs. Hinde, wife of Dr. S. L. Hinde, of Fort Hall, British East Africa, a further collection of bats, and these include three well-marked new forms, which I have described below, in conjunction with two others obtained by Mr. Gr. L. Bates in West Africa.

The new *Myotis* from Fort Hall, which I have named in honour of its captor, is an especially noticeable discovery.

Thomas, O. (1904c). XLVIII. On mammals from northern Angola collected by Dr. W.J. Ansorge.

During 1903 the well-known collector Dr. W. J. Ansorge, to whom the British Museum is already indebted for series of specimens from British East Africa, Uganda, and Nigeria, made a collecting-trip to Northern Angola, and obtained about two hundred specimens belonging to forty-six species, and of these a complete set has been acquired for the Museum.

The mammalogy of Angola has hitherto remained almost entirely in the hands of the Portuguese, as represented - most admirably - by Prof. Barboza du Bocage in Lisbon and by M. Anchieta and other collectors in the country under consideration. Thanks to the enlightened generosity of Prof. Bocage many institutions, and notably the British Museum, had received specimens representing the species discovered in Angola by the Portuguese naturalists, and on these specimens such comments on the Angolan fauna as have been made by Gray, de Winton, myself, and others have been based.

But these specimens, valuable as they have proved to be, have been all preserved in spirit, and the freshly made skins obtained by Dr. Ansorge are therefore of very great interest for comparison with similarly made specimens from other regions of Africa.

Complete as have been Prof. Bocage's researches on the subject, the present collection contains a fair number species not included in his lists, while, owing to my having been able to compare the remainder directly with typical specimens from other localities, I have found it necessary describe several of those he mentions as local species subspecies.

Dr. Ansorge has therefore to be congratulated on the considerable number of new and interesting forms which collection has enabled me to discriminate.

Thomas, O. (1904d). XXIV. On some small mammals collected by Mr. A.M. Mackilligin in the Eastern Desert of Egypt.

MR. ARTHUR M. MACKILLIGIN has recently collected some small mammals in the eastern desert of .Egypt, near the Soudan frontier, about lat. 22° and long. 35°, and these prove to be of much interest; for even with the magnificent accession to our knowledge of the mammals of Egypt represented by the late Dr. Anderson's work on the subject, this eastern desert has by no means been worked out, and Mr. Mackilligin has now discovered two new species, a bat and a gerbille, while an examination of his specimens of another bat, already obtained by Dr. Anderson, show this also to need a special name.

Besides the species described in detail below Mr. Mackilligin obtained in the same district examples of *Asellia tridens, Gerbillus gerbillus, Acomys* sp., and *Jaculus jaculus*.

Thomas, O. (1910d). XXXVI. List of mammals from Mount Kilimandjaro, obtained by Mr. Robin Kemp, and presented to the British Museum by Mr. C.D. Rudd.

By the generous assistance of Mr. C. D. Rudd, whose zoological exploration of S. Africa is known to all mammalogists, a collector - Mr. Robin Kemp - has been employed for the past year in obtaining small mammals in British East Africa for the benefit of the National Museum. A considerable number of new species have been obtained, and these have been described on arrival in successive numbers of the 'Annals.'

Mr. Kemp has recently sent a collection from Mount Kilimanjaro, and it is thought that a complete list of them may in this case prove of utility to other workers on African mammals.

The collection was obtained at two localities - Taveta, alt. 2500', at the foot of the mountain, on the British East African side; and Rombo, a mission station on the German side of the frontier, at an altitude

on the mountain of about 6000'. Mr. Kemp was much indebted to the missionaries at Rombo for help and hospitality.

In nearly all cases the species obtained at the two places prove to be different, those from Rombo being Kilimanjaro mountain forms, while those from Taveta belong to the hot country and desert fauna which stretches northwards through Voi arid Kitui to the:region north-east of Mount Kenya.

Thomas, O. (1911). XIII. List of small mammals obtained by Mr. G. Fenwick Owen on the Upper Gambia and in Fouta Djallon.

During the early part of 1910 Mr. G. Fenwick Owen made an expedition to Western Africa in search of large game, with the especial wish to obtain a male Derby's eland for the National Museum. In this latter purpose he was unsuccessful, but he brought home a female eland, besides specimens of the local buffalo, hartebeest, water-buck, roan antelope, ovibi, and blue-backed duiker.

Of small mammals he obtained a considerable series, and these prove to be of such interest as to deserve a special list, in addition to the descriptions already published of *Tatera gambiana, Arvicanthis linulus*, and *Uranomys oweni*.

Mr. Fenwick Owen's collecting was mostly done in French Gambia, on the upper part of the river of that name; but some of the specimens came from rather further south, in the Fouta Djallon district of French Guinea - a region about 3000 - 4000 feet in altitude. More complete collections from this latter region might prove of great interest.

Mr. Owen was accompanied by Mr. G. Russell Roberts, 'who assisted in making the collection.

The whole series has been presented to the National Museum by Mr. Owen, and forms a very valuable addition to its African collections.

Thomas, O. (1912c). A new Vespertilionine bat from Angola.

A few years ago, by the kindness of the authorities of the Lisbon Museum, the British Museum obtained an example of a peculiar Vespertilionine bat which had been received from Angola, and whose systematic position seemed by no means readily determinable.

I have now been able to make a careful study of this specimen, and have come to the conclusin that it represents a new genus, which may be called:

Thomas, O. (1913a). On some specimens of *Glauconycteris* from the Cameroons.

Among some mammals from the Cameroons sent for determination by Prof. E. Lampe, of the Wiesbaden Museum, there occur three examples of *Glauconycteris*, representing three different species, one being new and the others of sufficient interest to deserve some notice.

Specimens of this genus are somewhat rare in collections, and any addition to our knowledge of them is very welcome. The type of the new species and a selection of specimens of the other mammals represented (including *Crocidura dolichura*, Peters) have been generously ceded to the British Museum by the authorities at Wiesbaden

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Thomas, O. (1915a). On three new bats obtained by Mr. Willoughby Lowe in the Sudan.

During Mr. Abel Chapman's recent expedition to the Sudan, Mr. Willougnby Lowe obtained a considerable collection of mammals, and among them a number of bats. These include, besides *Coleura afra, Mops demonstrator*, and others, examples of the three following new species.

Thomas, O. (1915b). Notes on bats of the genus *Coleura*.

A study of the British Museum collection of the genus *Coleura*, amounting to nearly sixty specimens from more than a dozen localities, shows that on the mainland of Africa there are two species: a north-eastern, inhabiting Suakin, Aden, Somaliland, and the Upper Nile; and a southern, which ranges from the Congo to the Zambezi. The former is separable into two colour-races.

Then in the Seychelles there are two forms, both distinguished from those on the mainland by their proportionally longer wings.

Thomas, O. (1915d). List of mammals (exclusive of Ungulata) collected on the Upper Congo by Dr. Christy for the Congo Museum, Tervueren.

In the 'Annals' for last August I published a few of the more striking novelties from the fine series of Mammalia brought home from the Congo by Dr. Cuthbert Christy, who had been employed by the Congo Museum to make a collection for them on the Ituri and Welle, and, by request of the Belgian authorities, I now give a list of all the species obtained by him, with the exception of the Ungulates.

Such a list is always valuable for zoo-geographical reasons, and Dr. Christy's fine collection so supplements those made in the same region by Emin Pasha, the Alexander-Gosling Expedition, and the members of the Ruwenzori Expedition, as to make the complete list a very long one.

In a general way, there is a great uniformity in the Mammal life from the Cameroons to Uganda, as might be expected from the uniform nature of the country, but in a few cases there is enough local difference to authorise the distinction of special subspecies for the Upper Congo forms.

In all, Dr. Christy's collection contains 74 species and subspecies, of which 10 have proved to need description as new. Five of these were described in the previous paper.

Dr. Christy's numbers run up to 1530, but the present account only deals with the latter two-thirds of the collection, the earlier series having either been already named by Mr. Dollman or else gone elsewhere for determination.

The great majority of the mammals here referred to were obtained at two localities, Medje, on a branch of the Ituri, about 27° 40' E., 2° 20' N., and Poko, some 20 or 30 miles north-west of it, but across the watershed in the Welle basin. The latter is not very far from Emin's locality, Tingasi. The other localities mentioned are mostly in the Aruwimi-Ituri basin.

By the generosity of the authorities at Tervueren, the British Museum has been allowed to retain examples of nearly all the species obtained, including all those described as new. In particular, we have to thank Dr. Schouteden for his kindness both in placing the collection in our hands for determinatin and for the liberality with which we have been allowed to select duplicates. The sum of these latter forms a very valuable donation to the British Museum.

In normal times this list would have been prepared by Mr. Dollman in continuation of the papar he published in the Tervueren Journal in 1914, but he has gone to serve his country, and it is quite impossible for publication to take place in Belgium. With the consent of the Belgian authorities the paper is therefor prepared by me and published in the 'Annals.'

Thomas, O. (1917). XXIII. A new bat of the genus *Scotæcus*.

Among a series of well-prepared skins from Nyasaland presented to the National Museum by Mr. Rodney C. Wood, there occur examples of several rare bats, notably *Myotis welwitschii* and *bocagei, Glauconycteris papilio, Eptesicus megalurus*, and a *Scotoecus* which appears to be new. The last may be called:

Thomas, O. (1919). Some new mammals from Mesopotamia.

Among some mammals obtained by members of the Mesopotamian Expeditionary Force, and submitted to me for determination by the Bombay Natural History Society there are examples of the following five new species. In pursuance of its habitual public-spirited policy the Society has presented all the types to the National Museum.

Thomas, O. (1920). A new *Taphozous* from the Sudan.

Among a number of small mammals collected in the Sudan by Major J. Stevenson Hamilton, and sent to the British Museum for determination by the Wellcome Research Laboratories, Khartoum, there occurs a specimen of the following new bat, which I have great pleasure in naming in honour of its discoverer:

Thomas, O. (1922). XXXII. The generic classification of the *Taphozous* group.

When, in 1915, I wrote my "Notes on *Taphozous* and *Saccolaimus*", and recognized the latter as a distinct genus from the former, as had Hollister previously under another name, I did not sufficiently weigh the characters which separate *Taphozous nudiventris* and its allies from the typical members of *Taphozous*.

On reconsidering the subject, I now think that these remarkable half-naked bats should be separated as a distinct genus from the ordinary hairy species, and would suggest that the whole group .might be synoptically arranged as follows:

Thomas, O. (1925). On the mammals (other than Ruminants) collected by Captain Angus Buchanan during his Second Saharan Expedition, and presented by him to the National Museum.

Following his first expedition into the Sahara, when he visited Asben (Aïr) and made the highly interesting collection of small mammals of which Mr. Hinton and I gave an account in two previous papers, Captain Angus Buchanan started again in March 1922 for the same little-known country, and this time he was able to traverse it completely from south to north, arriving at Algiers on 7th June, 1925. During this adventurous journey he collected a considerable number of mammals, mostly in Asben and the Ahaggar Mountains, and these he has been so generous as to present partly to the British Museum and partly to that of Edinburgh. As before, the skins are quite exceptionally well prepared, and, being from so interesting an area, the donation is one of very great value, for which the National Museum has every reason to be grateful to its patriotic donor.

With the many Algerian and Saharan collections that we already owe to the generosity of Lord Rothschild, combined with the possession of the Lataste collection from Algeria and the Fox collection from Nigeria, we thus have a very fine representation of the mammals of North Africa on the line connecting these two countries - a region which only a few years ago was completely unknown zoologically.

The present paper gives a full list of the specimens obtained, with the exception of a small number which have been added to the Tring Museum, where they will probably form the basis of papers by Lord Rothschild. The serial number of every specimen is recorded, in ordinary type for those now in the British Museum and in italics those that have gone to Edinburgh, the paper thus forming a record of both.

As might be expected, the collection contains several interesting novelties, such as the Asben ratel and porcupine, and there is a very pretty new dormouse which I have named in honour of Mrs. Buchanan.

In addition, he has made a most noteworthy rediscovery in the capture of an example of Loche's *Felis margarita*, described in 1858, but never obtained since. The specimen is to be preserved in the Tring Museum, and Lord Rothschild proposed to give some notes on it, so that further reference to it is here unnecessary.

On the other hand, the specimens from the mountains of the Ahaggar region are disappointingly similar to those of southern Algeria, no evidence occurring of the presence of a special local fauna.

Thomas, O. (1926). On mammals from Ovamboland and the Cunene river, obtained during Capt. Shortridge's third Percy Sladen and Kaffrarian Museum Expedition into South-West Africa.

For the third time, during the southern winter, Capt. Guy C. Shortridge, so well known for his collecting abilities in various parts of the world, and now Curator of the King William's Town Museum, has made a most successful expedition into the little-explored regions of South-West Africa. This he has been able to do owing to the continued generosity of the Percy Sladen Trustees, who provided the necessary funds, and of the Trustees of the Kaffrarian Museum, King William's Town, who found Capt. Shortridge's time, personal expenses, and other local necessities. Special credit has also to be given to Mr. G. R. Hofmeyr, C.M.G., the Government Administrator of S.W. Africa, on whose recommendation this further expedition was made, to whose action and official help Capt. Shortridge was enormously indebted in all sorts of ways, such as local help, transport, both by rail and wagon, and in many other respects.

Capt. Shortridge's first expedition of 1922 was to the region of the Middle Orange River, approximately lat. 28° 30' S., long. 21°.20'E.; the second (1923) into Damaraland, lat. 22° 25' S., long. 16° 18' E., some 200 to 500 miles north-west of the first-named region; and then this third expedition of 1924 was carried some 200 - 300 miles farther north still, through Ovamboland to the Lower Cunene River, the southern boundary of Angola.

Accounts of the Mammalia obtained dining the two first expeditions have already been published in the 'Proceedings' of the Society.

The collection now obtained proves that in this region Capt. Shortridge penetrated into a region strikingly different, from a zoological standpoint, from those he had previously explored, and one hitherto almost completely unknown. As a result, quite a large number of the small in animals have proved to be peculiar, equally different from those of Central Damaraland to the south and of Angola to the north, and having a quite special facies.

For, no doubt due to the general coloration of the environment, the peculiar mammals are nearly all of a very pale greyish colour, not the pale buffy so usual in deserts in other parts of the world, but of a much more greyish, less buffy tone. The same tendency to grey is also found in many of the Kalahari mammal and presumably results from an environment more or less common to these two contiguous and practically continuous areas.

Of previous collections in this region there are almost none to be recorded, apart from a few specimens obtained at Elephant Vley (18° S., 17° 30' E.) by the famous Swedish explorer Andersson about 1859, though those obtained by Messrs. Woosnam and Dent in the Central Southern Kalahari, and worked out by Mr. Schwann and Capt. Dollman, have commonly had a bearing on the zoological relationships of the animals mentioned.

Ungulates and other large mammals from the same region are also referred to in the work by Dr. Zukowsky quoted in the paper on the results of Capt. Shortridge's second expedition.

The very special thanks of all Mammalogists are due to the generous co-operators who have enabled Capt. Shortridge to make the three magnificent collections of which this is the third and most important. The present series consists of about 500 specimens, referable to 55 species and subspecies, and containing no less than 22 new forms.

The many field-notes and accounts of habits written by Capt. Shortridge are not now published, but have been postponed for a later occasion, when it is hoped that they may appear under the collector's own authorship.

In the papers on the mammnls of the two former expeditions I had the advantage of Mr. Hinton's co-operation, but on this the pressure of his other work, he has been unable to take a share, and I have had to bear sole responsibility for the whole.

Miss Jane St. Leger has been good enough to give me valuable and much appreciated assistance in the sorting and handling of the considerable number of skins and skulls.

Thomas, O. (1929). On mammals from the Kaoko-Veld, South-West Africa obtained during Captain Shortridge's Fifth Percy Sladen and Kaffrarian Museum Expedition.

The high region of the Kaoko-Veld, in South-West Africa, north-west Damaraland and south of the Cunene River, has long been a *terra incognita*, it is only recently, since the general region has become a constituent part of British Empire, that any exploration of it has been possible.

Now, however, Captain Guy C. Shortridge has been enabled to make one of his wonderful collecting expeditions, the fifth of the series, into this hitherto unknown area, and the present paper gives an account of the collection he made, the largest of the whole series.

With some help from the British Museum itself, this expedition has been made possible by the generosity of the Percy Sladen Trustees, the Administrator of South-West African Territory, the South African Research Fund Board, of Mr. Abel Chapman, whose sporting instincts have made him sympathetic towards such exploratory adventures. To all of these thanks are due for material advancement in our knowledge of the South African Fauna represented by this really remarkable fifth collection. And equally to the Trustees of Kaffrarian Museum for their very generous co-operation in the work by sparing Captain Shortridge from King William's Town for so long a period.

The collection itself numbers nearly 1500 specimens, and considering that was made by a single man with only native help, it is a great tribute to Captain Shortridge's enthusiasm and powers of work.

It is accompanied by very ample field-notes on the habits and distribution the various species. These notes, however, are so full and excellent that they ought not to be used merely as a supplement to a technical paper on the mammals, and I therefore do not now publish them, but hope that they will in due course be brought out in South Africa under Captain Shortridge's own supervision. Native names, distribution, and habits are all included, and we may hope these observations will form a basis for a general work on such lines.

After the successive collections from (1) the Orange River, (2) Namaqualancl, (3) Ovamboland, and (4) Eastern Damaraland that we already owe to Captain Shortridge's expeditions, it is natural that there should not be very many novelties to be described from Kaokoland, which, in a broad sense, is of the same faunistic nature, and whose mammals prove to be generally the same as those of the areas previously explored. This is a little disappointing, as we had hoped that forests and mountainous areas of the Kaoko-Veld might prove to be inhabited various special forms. But numbers of them had already been obtained Captain Shortridge in the outlying regions of the faunal area - on the Cunene in the north, in Ovamboland to the east, and at Karibib in the south-east - so that we ought not to be surprised if there were not a large number more to be discovered.

None the less several well-marked new forms have been obtained, notably the two black Mungooses, *Myonax nigratus* and *Helogale parvula nero*, the Ground-Squirrel *Geosciurus princeps*, quite unexpectedly peculiar, and the Rooi-haas *Pronolagus caucinus*.

In all, 70 species are contained in the collection, while the presence and ranges of some few others are recorded in Captain Shortridge's field-notes.

The localities at which Captain Shortridge made collections are 21 in number, and are situated broadly on a north and south line about 100 - 200 miles from the coast, and running from the Cunene River to Outjo in South Kaokoland, at about 20° South latitude. These localities are mostly at a considerable elevation, from 1000 to 4000 feet altitude.

Their names are: in the Outjo district of Damaraland - Outjo, Otjikondo, and Cauas Okawa; in S. Kaoko - Kamanjab, Otjitemba, Qoabendus, Kovares, Otjijekua, Katijhuru; in Central Kaokoland - Otjitundua, Ombombo, Kaoko-Otavi, Okorosave; in north Kaokoland - Otjipongo, Ombathu, Epembe, Otjitambi, Mount Ehomba; and in the close neighbourhood of the Cunene, which is here about 100 yards in breadth - Tshimhaka, Hondoto-Cunene Junction, and Otjimbundu.

Detailed accounts of their local characteristics are contained in Captain Shortridge's field-notes.

Thomas, O. and M. A. C. Hinton (1920). Captain Angus Buchanan's Aïr Expedition. I. On a series of small mammals from Kano.

By the kindness of the authorities of the Tring Museum we have been entrusted with the examination of a number of small mammals obtained by Captain Angus Buchanan, while stopping at Farniso, near Kano, North Nigeria (altitude 1,700 ft.), in December 1919, on his way to explore the unknown regions farther north.

These Kano Mammals have proved to be of so much interest and to include so many novelties that we have thought it worth while to give a complete list of them.

The most striking form from a zoological point of view is undoubtedly the little short-tailed Gerbil *Desmodilliscus buchanani*, which represents, a genus only discovered in 1917 and hitherto not included in the British Museum collections.

The handsome little carnivore *Pœcilictis rothschildi* is also a discovery of some interest, as it greatly extends the known range of its genus, which has only recently been distinguished from *Ictonyx*.

By the generosity of Lord Rothschild, a set of the species obtained by Captain Buchanan, including the types of new species and subspecies, has been presented to the British Museum.

The only place towards Kano from which the British Museum has hitherto received any noticeable collection of mammals is the Bauchi Plateau, some 160 miles to the south-east, where the missionary brothers G. T. and J. C. Fox collected a number which formed the basis of papers by Thomas in 1911-12. Practically all the species, however, prove .to be different, and show that the two places are in different fauna! areas, of which Kano is strikingly more of a desert character.

Thomas, O. and M. A. C. Hinton (1923a). On the mammals obtained in Darfur by the Lynes-Lowe Expedition.

Thanks to the generosity and public spirit of the two explorers, the British Museum has received as a donation the whole of the fine collection of Mammals made by Rear-Admiral Hubert Lynes and Mr. Willoughby P. Lowe during their recent expedition to Darfur.

The expedition took place during the whole of 1921 and the early part of last year, and a complete survey of the country was made, equally of the comparatively flat desert region round El Fasher, the capital of Darfur, the still more desert area northward to the bare find unproductive Jebel Maidob, the zoologically unknown dominating mountain Jebel Marra, running up to a height of 10,000', and, finally, of the lower region of Wadi Aribo, in the south-western part of Darfur, where the drainage is to wards Lake Chad.

No mammal collection had ever been made In this area, so that the present fine series (which numbers upwards of 800 specimens) adds very greatly to the material available for the study of African Mammalia, and we have reason to be most grateful to the donors for the generosity and patriotism which have resulted in this notable accession to the Museum - the largest: single collection that the latter has ever received.

On the whole, the species contained in the collection are most nearly related, as is natural, to those of Kordofan and other parts of the Egyptian Sudan, and are generally different from those of the more humid Bahr-el-Ghazal.

So far as the mammals are concerned, Darfur would seem to be just on the southern boundary of the northern desert fauna, the collection containing quite a number of forms which are either the most southern records of northern species (*Jaculus jaculus, Dipodillus campestris* group, etc.) or the most northern records of southern ones (*Steatomys*, &c.).

The great mountain Jebel Marra, isolated as it is from other, high ground, has naturally a number of interesting forms peculiar to it and different from those of the plains. Thus there is a mountain species of Striped Mouse (*Lemniscomys*) found on it, which we have named in honour of Admiral Lynes, and a Gerbil (*Dipodillus lowei*), whose nearest ally is found in Algiers.

In all, the collection proves to consist of 62 species, of which we have had occasion to describe 19 as new, either as species or subspecies.

A few mammals were obtained by Admiral Lynes on a previous visit to the country, and these have been here incorporated. Their immbers run from 1 to 24, while those of the main collection start at 400.

Thomas, O. and H. Schwann (1905b). The Rudd exploration of South Africa. III. List of mammals obtained by Mr. Grant in Zululand.

[The complete account of the new species described in this communication appears here; but as the names and preliminary diagnoses were published in the ' Abstract,' such species are distinguished by the name being underlined. - EDITOR.]

In continuation of the collecting-work carried on by Mr. C.. D. Rudd's generosity, by which our National Museum has already been so large a gainer, Mr. C. H. B. Grant spent November and December 1903, and again, after a visit to the Transvaal, June to September 1904, in Zululand, where he collected the specimens of which the present paper gives an account.

It was at Mr. Rudd's own suggestion that Mr. Grant went to Zululand, and the resulting collections have more than fulfilled any expectations that could have been formed as to the value and interest of a series obtained there, for quite a number of the species have proved to be altogether new to science, while in other cases forms only hitherto known from isolated or unlocalised specimens are now illustrated by good series of trustworthy skins.

In several instances we have been able to revise confused or little-known groups, such as *Myosorex* and the Golden Moles, with the result that a number of new forms have proved to need description.

Of these by far the most noteworthy is the handsome Hare which we have named *Pronolagus ruddi*, while other interesting species are the Golden Moles, *Amblysomus iris* and *A. chrysillus*, and the different forms of *Myosorex*.

The localities at which the specimens were obtained are as follows: -
Eshowe. Altitude 550 m.
Sibudeni and the Jususie Valley, about 20 miles to the N.W. of Eshowe. Altitudes 1100 to 1700 and 350 m. respectively.
Ngoye Hills, 15 miles E. of Eshowe, and about 8 miles inland from the coast. Altitude 200 - 300 m.
Umvolosi Station, 3 miles from the river of the same name and about 15 miles from the sea. Altitude 30 - 60 m.
Hlupluwe Stream; about 20 miles N. of Umvolosi.

Of the last localities Mr. Grant says: -
"Round the Umvolosi Station sandy grass-covered flats and undulating country stretch away to the south and east, dotted with palms and thorn-bush, the thorns in places forming patches and thickets interspersed with a few good-sized trees, the surface broken with both dry and swampy pans and vleys, and deep swampy sluits filled with dense reeds intersect the country towards the river. A low range of hills runs along the coast. To the north the country becomes more broken and hills and deeper ravines begin to appear.

"About 8 miles to the south of the station is a dense thorn-forest of considerable size, called by the natives the 'Dukuduku,' which joins and disappaers in the great swamps and reed-beds through which the Umvolosi River runs.

"Towards the Hlupeuwe and opposite the north end of the Lake the country is broken and hilly, palms are not so noticeable, but the thorns become common and more regular in appearance; often as one looks across some hillside or down a long valley they look park-like in their regularity. One would almost believe they had been planted by hand. Belts of thick bush fringe nearly all the rivers, often being very dense and wide."

After putting aside the duplicates, the Zulu collection, which, as in the previous cases, is presented to the Museum by Mr. Rudd, numbers 222 specimens belonging to no less than 49 species. It thus forms not only one of the most important accessions that the National Collection has ever received from this part of Africa, but, owing to the number of the new forms contained in it, affords a remarkable example of the need for such a scientific survey of the fauna as Mr. Rudd is carrying on in South Africa. Mr. Grant, the actual collector, is also to be congratulated on the striking results that have been obtained from his materials.

Thomas, O. and H. Schwann (1906a). 3. The Rudd exploration of South Africa. IV. List of mammals obtained by Mr. Grant at Knysna.

Owing to its possession of one of the few forest areas in Cape Colony, Knysna, at the centre of the southern coast, has always occupied an important position in the history of South African zoology. The name occurs again and again in the literature, from the date of Sir Andrew Smith onwards, and it was therefore thought advisable that a series from so interesting a locality should be obtained by Mr. Grant as part of Mr. C.D. Rudd's magnificent exploration of South African Zoology.

Mr. Grant therefore went to Knysna in December 1904, and stayed until the middle of January 1905, when he went for a month to Plettenberg Bay, in the near neighbourhood, after which he again worked at Knysna until April 23rd, when he left for the Transvaal. He was thus in the Knysna district throughout the southern summer.

The series now dealt with consists of about 150 specimens belonging to 31 species and subspecies, of which four have required descriptions as new. Of these by far the most interesting is the district Forest Golden Mole, named in honour of Mrs. Rudd *Amblysomus corriæ*, of which Mr. Grant obtained a good series. The species was described in an earlier communication, in order that its skull might be figured in company with that of the Zululand form discovered previously by Mr. Grant.

As usual, the whole series is and will be of the utmost value in more fully working out the details of S. African Mammalogy. Indeed, the lists we are giving of the Rudd collections as they come in are only

a first commencement of the use that they will be to Science. For as they accumulate different specialists are enabled to take up group after group, and such useful revisions as that of the *Arvicanthis pumilio* group by Mr. R. C. Wroughton, or of the South African *Rhinolophi* by Mr. Knud Andersen, are thereby rendered possible. To such revisions our lists are a mere preliminary, though we hope that in addition to fulfilling the necessary work of describing the new forms they may also serve a useful purpose from a geographical point of view.

Mr. Grant's notes on the collection are as follows:

The country around Knysna is decidedly mountainous, varying from sea-level to over 4000' within a few miles. The highest point of the Outeniqua Mountains is 4666'.

Many miles of the country, especially to the N.E. of Knysna, are covered with dense forest, which becomes more patchy to the east and west, and in many parts is confined to the kloofs and rivers. The principal trees are yellow wood, iron-wood, stinkwood (laurel), witel, and coomassie. In the more open places along the banks of the main road ferns are very plentiful.

The open parts are grassy downlands, covered here and there with scrub (fine bush) and sugar-bush.

The first half of my visit was spent in the forest-region and the latter half in the open veldt at Plettenberg Bay, which is about 20 miles east of Knysna.

Thomas, O. and H. Schwann (1906b). 1. The Rudd exploration of South Africa. V. List of mammals obtained by Mr. Grant in N.E. Transvaal.

After completing the work at Knysna, of which we gave an account in our last paper, Mr. Grant journeyed by way of Delagoa Bay and Pretoria to the Zoutpansberg District of the Transvaal, a region hitherto practically untouched, so far as the collections in the National Museum are concerned. Indeed, the whole drainage-area of the Limpopo had been remarkably little worked, such few collection as had been sent from within it having been from its northern part in Matabililand or the western in Bechuanaland, the Limpopo part of the Transvaal having been quite neglected.

In this interesting region Mr. Grant has worked with his usual energy and success, and his collection includes 250 specimens belonging to 51 species. This fine series, by Mr. Rudd's generosity, is as before, added to the treasures of our National Museum.

The localities at which the collection was made were two - Klein Letaba on the low veldt, and Woodbush on the high veldt; and these localities are so distinct from each other both geographically and zoologically, that we have thought it advisable to separate altogether the collections received from them and to write two distinct lists as follows: -

I. Klein Letaba.
Klein Letaba is situated in about 23° 21' S. and 30° 40' E., on a branch of the Letaba River, which runs south-eastwards to ??? the Olifants River, uniting again still further eastwards with the main stream of the Lower Limpopo. It is at an altitude of about 1000 feet to the east of and below the high range of the ???kensbers.

Its mammal fauna proves to be more like that of the high veldt than one would have expected from the difference in altitude, so that we are disappointed to find fewer of the coast and tropical forms than we had hoped, and it is evident that to get the true coast fauna a still lower level must be visited.

Even here, however, several interesting northern forms have been added to the South African list, the most notable being a representative of the Nyasan *Raphicerus sharpei*, an Antelope so strikingly different from any South African species that the tardiness of its discovery is somewhat surprising. Other interesting forms are a new *Helogale* and two new Genets.

Mr. Grant's notes on the Klein Letaba district are as follows: "The low veldt, that is the country under the Berg, is mainly undulating grass country with long stony rises and some few kopjes and mountains.

"It is thickly timbered, principally with Mopani (Shinatsi of the Tchangaan); a large, fine-growing tree called Ntuma, which bears a small green fruit; the Marula, on the berries of which *Funisciurus cepapi* feeds and from which the natives make beer; 'wait-a-bit' thorns ("Ikaya"); and wild fig and cream-of-tartar trees.

"Water is scarce in the dry season and only to be found in the main rivers that intersect the country, except for some few pools left in the rocks in some of the spruits. The soil is sandy and very fertile in good rainy seasons. The climate is not healthy, and the weather generally very warm. The thermometer frequently records 106° and seldom less than 90° in the shade.

"The natives are tribe called the Tchangaan, and are an offshoot of the Zulu nation. They have a language of their own, but all understand Zulu and speak it readily. Though very keen on hunting big game, they gave but little assistance in securing small mammals."

Thomas, O. and H. Schwann (1907). 4. The Rudd exploration of South Africa. VI. List of mammals obtained by Mr. Grant in the Eastern Transvaal.

During April and May, before going down into the hotter coast-belt, Mr. Grant made a stay at Legogot, a village in the northern part of the Barberton district, at an altitude of about 3000 feet. There he obtained the Mammals recorded in the following list.

One species, a Shrew, is new, while the most valuable of the other animals are the additional specimens of *Pronolagus ruddi*, the large ally of the Rooi-haas, the description of which was based on a specimen collected in Zululand at an earlier stage of the Rudd Exploration.

Before going to Legogot Mr. Grant made a small collection at a place called Turfloop, between Pietersburg and Woodbush, in the North-Eastern Transvaal; but as he obtained no examples of species not mentioned in our list of his Woodbush collection, we do not think any list of them.is necessary.

Thomas, O. and R. C. Wroughton (1908a). The Rudd exploration of South Africa. VIII. List of mammals obtained by Mr. Grant at Beira.

Long as the region of Beira and the Pungwe River has been known as a paradise for sportsmen, no scientific collection of mammals appears ever to have been made there, and certainly our own National Museum has never received any specimens from the district. Consequently the present collection, obtained by Mr. Grant for the Rudd Exploration, is of very great value as filling in the geographical gap between Inhambane, whence came the magnificent series enumerated in our previous paper, and the better known regions of the Zambezi and Nyasaland.

The results, from the point of view of geographical distribution, are in many cases most curious and interesting, and show the necessity for such systematic explorations as this of Mr. Rudd's before we can consider our knowledge on the subject to be at all complete. For example, in the case of *Petrodromus* one would have supposed that the same form would occur as at Inhambane further southwards, since a closely allied one is found on the coast further north in East Africa. But instead a member of quite another group - *P. tetradactylus*, an inhabitant of the higher inland region from Nyasa to S. Rhodesia - here reaches the East coast area, and isolates the Inhambane species from its northern ally.

Then, again, the *Georychus* is much more closely allied to the Bechuanaland *G. lugardi* than to *G. darlingi* of Mashonaland, intermediate in geographical position.

There are evidently therefore very many interesting problems still to be determined about the geographical distribution of the species, and about the faunal areas into which the country should be divided.

Twenty-nine species are included in the present collection, represented by 129 specimens, all, as before, added to the National Museum by the generosity of Mr. C. D. Rudd.

The collection was made in two localities, the one just outside Beira, and the other, Masembeti, on the Railway 23 miles from that place.

Mr. Grant's report on the region is as follows:

"The Beira District may briefly be described as low lying, flat country, with patches and stretches of forest alternating with open plains clotted with palmetto, bamboo brakes and ant-heaps, and with vleis and lakes in the lowest parts.

"In the wet season the whole country, except the higher forested portions, is one vast swamp and the vegetation is both thick and high.

"Natives are few and scattered, as there is little habitable veldt on which crops can be grown.

"The climate during the wet season is by no means healthy, and although the thermometer may not always record high temperature, it is generally sultry and muggy. Collecting work is difficult and the damp heat is most enervating.

"Throughout the trip the weather was warm, average temperature 86° in the shade. There was plenty of rain, especially during the latter half, which was undoubtedly bad for trapping work; this combined with the scarcity of mammals in the district, and the ravages of ants which completely destroyed numbers of trapped specimens, prevented the collection made from being larger.

"The scarcity of mammals, especially the smaller ones, is probably due to the annual flooding of the country, as numbers must be drowned out and killed during the rainy season."

Thomas, O. and R. C. Wroughton (1908c). The Rudd exploration of South Africa. X. List of mammals collected by Mr. Grant near Tette, Zambesia.

We now come to the final collection of the Rudd Exploration, for after making it Mr. Grant had a severe attack of fever, and by arrangement with Mr. Rudd he has now come home, so that this magnificent exploration, which has been going on for the last five years, thus comes to an end.

Further details of the papers written on the different collections are appended to the present account, but we may here say that the results of Mr. Rudd's splendid generosity have far surpassed, in their great and permanent value, our most sanguine -expectations - a fact for which the fullest credit must also be given to the collector, Mr. C. H. B. Grant, who has risen in the ablest manner to the great opportunity afforded him by Mr. Rudd.

The total results form the largest collection of Mammals ever received by the National Museum from any one source, the nearest approaches to it being the products of the Simons and Robert expeditions to S. America, and the Duke of Bedford's Exploration of Eastern Asia, the last-named being still in progress.

In all 1541 mammals, exclusive of duplicates, have been registered as presented to the National Museum by Mr. Rudd, while duplicates have been presented to the Royal Scottish Museum, Edinburgh, and the South African Museum, Cape Town.

A considerable and quite unexpected number of new species and subspecies have been discovered, and, what is quite as important, most of the old species, insufficiently or inexactly described on specimens now deteriorated, have been definitely identified by topotypes, and are represented by good modern material, which may be made the basis of further progress.

In this connection the Tette series, of which we give an account in the present paper, is of especial importance; for every worker on South African zoology has been hampered by the difficulty of making

out with exactitude the species obtained during Dr. Peters's famous expedition to Zambesia, and described by him in his 'Reise nach Mossambique,' of which the 'Saugethiere' was published in 1852.

In order, therefore, to get a series of the species described by Peters, Mr. Grant went to Tette, Peters's chief collecting-place, and formed the series enumerated below.

While we were working out this series, the definite determination of Peters's species has enabled us to sort out a number of the groups, with the result that many forms hitherto assigned, in our papers and elsewhere, to Peters's species, now prove to need description.

Mr. Grant's notes on the Tette district are as follows:

"It was the driest time of the year when I reached Tette, and, except in the main rivers, there was practically no water anywhere, and as, on the Zambesi near Tette, there were too many natives present for it to be possible to collect, I moved southwards and pitched my camp at the junction of the Luenya and Mazoe Rivers, which is some 20 miles due south of Tette.

"The country there is exactly similar to that along the Zambesi, being hilly, and in places somewhat mountainous; the soil is sandy and very stony, especially on the hill-sides, but there are no krantzes that would harbour dassies or red hares.

"All the vegetation, except along the rivers, was dried and dead and the trees leafless, the course of the rivers being plainly shown from a distance by the verdure of the trees on their banks.

"Everywhere the veldt is well bushed, amounting to thickets in most parts, with a fair amount of larger timber, mainly *mopani* and 'cream-of-tartar,' the latter being very plentiful and growing to an enormous size.

"Except in favourable situations, grass does not seem to grow freely, and the cereal crops of the natives are not nearly so good as in many districts to the southward, although tomatoes, onions, &c. are grown freely on the banks and in the beds of the rivers.

"The natives are mixed local tribes variously known as Nyungwis, Tongas, Baruds, &c. When not too lazy they give much of their time to the capture of small buck, cats, squirrels, rats, &c., the majority of which they utilize for food.

"The climate cannot be considered healthy, even in the dry season, and the temperature is generally high during the day and makes good collecting difficult.

"In the five weeks I spent in the Mazoe camp the average temperature was 95°, 104° being the highest recorded; no rain fell."

Thomas, O. and R. C. Wroughton (1910). Ruwenzori expedition reports. 17. Mammalia.

The collection of Mammalia formed by the members of the Ruwenzori Expedition is, perhaps, both for number and quality, the finest ever made in any one locality in Africa, the British Museum set alone consisting of 363 perfectly prepared modern skins and 62 spirit-specimens, representing 85 species and subspecies, of which no less than 34 have proved to be new. In addition, a considerable number of duplicates have been distributed.

This excellent result is due partly to the extreme richness of the Fauna, which combines elements of Congo, Cameroons, Uganda, and Great Lakes origin, and partly to the fact that no less than three members of the Expedition had had previous and successful experience in mammal-collecting - Messrs. Woosnam and Dent in Bechuanaland, and Mr. Carruthers in Palestine. All were trained and enthusiastic trappers, and, as a result, in spite of the climatic conditions under which they worked, the preparation of the skins is absolutely perfect.

So rich and varied, however, is the Fauna of Ruwenzori that no doubt much still remains to be done, especially among such forms as are not to be obtained by trapping, the list of Monkeys, Bats, and Ungulates being particularly likely to be increased in the future, while the series of Rodents is probably more complete in proportion than that of any other group.

As was to be expected, a considerable number of new species were discovered by the Expedition, many of them of a very striking and distinct character. Particularly noticeable are *Cercopithecus denti, Rousettus lanosus* (the Mountain Fruit-Bat), *Lophuromys woosnami, Otomys dartmouthi*, and *Funisciurus carruthersi*,

The following is a complete list of the new forms discovered, with references to the original notices. A. is the first set of descriptions published by Thomas (Ann. Mag. N. H. (7) xviii. pp. 136 *et seqg.*, 1906) and B. the second (*op. cit.* six. pp. 118 *et seqq.*, 1907).

Thorn, E. (1988a). Re-evaluation of *Pipistrellus capensis capensis* (A. Smith, 1829) (Chiroptera, Vespertilionidae) and neighbouring subspecies in Southern Africa.

The considerable differences typifying several subspecies of *Pipistrellus capensis*, and the overlapping distribution of these forms in South Africa, suggest that they have evolved for some time in isolation but are presently re-integrating and sporadically interbreeding as a result of recent ecological changes. Confusion has been superimposed on this unusual situation by the choice as lectotype for *P. c. capensis* of a specimen typical of the larger western subspecies, and subsequent designation of its type locality in a place marginal to that form.

Les tres importantes différences qui existent entre plusieurs sous-espèces de *Pipistrellus capensis*, et Ie fait que leur répartition se superpose en Afrique du Sud, permet de penser qu'elles ont évolué de facon isolée pendant un certain temps et qu'ensuite leurs populations se sont étendues et se sont par place métissées a la suite de récentes modifications écologiques. Une certaine confusion a été introduite dans la systématique du fait qu'on a choisi comme lectotype de *P. c. capensis* un specimen d'une plus grande sous-espèce occidentale, dans une localite type qui est marginale dans la répartition de cette forme.

Thorn, E. (1988b). The status of *Pipistrellus capensis notius* (=*Scabrifer notius* G.M. Allen, 1908) as prior synonym for *Eptesicus melckorum* Roberts, 1919).

From the study of type specimens and other material it is now concluded that *Eptesicus melckorum* Roberts is a junior synonym of *Pipistrellus capensis notius* (G. Allen), the largest and most southern subspecies of this common Vespertilionid bat.

La description par G. Allen (1908) de *Scabrifer notius* a tenu compte de "verrues" sur les avant-bras; à cause de cela l'holotype (qui est resté unique) avait été longtemps apparenté à d'autres espèces garnies de boutons sur les ailes et originaires du Soudan et d'ailleurs. En 1975, Koopman a suggéré que *notius* n'est pas autre chose qu'un representant de *P. capensis* parasité par des nematodes. L'examen par l'auteur de l'holotype de *notius* et de celui de *melckorum*, et des échantillons attribués à ce dernier, montre ici que *melckorum* de la région du Cap doit être considéré cornme synonyme de *Pipistrellus capensis notius*. Des spécimens additionnels indiquent la répartition normale de *P. c. notius*, et parmi quelques individus vagabonds l'un a pénétré à mille kilomètres au nord. II y a d'autres exemples de *P. capensis* avec des vésicules sur les ailes. D'après certains témoignages, on peut aussi reconnaître comme une espèce distincte *P. "melckorum"* (*sensu* Ansell 1960, 1967) de Zambie, Tanzanie, Mocambique, et récemment découvert au nord-est du Transvaal.

Tomes, R. F. (1861b). 1. Notes on a collection of bats made by Mr. Andersson in the Damara country, South-western Africa, with notices of some other African species.

Through the kindness of J. H. Gurney, Esq., M.P., I have been enabled to examine a very interesting, though not very extensive, collection of Bats, made by Mr. Andersson in South-western Africa during the year 1859. It contains three new species; and I propose, when describing them, to add notices of some others previously collected by Mr. Andersson at Lake Ngama, and of one or two species which, although already well known, may, from their affinity with some of those in the present collection, be advantageously introduced here. To prevent any confusion regarding the species forming the collection recently received from Mr. Andersson, they may be mentioned here, as follows: - *Kerivoula argentata*, n. s., *Nycticejus planirostris*, Peters, *Scotophilus minutus*, Temm., *S. rusticus*, n. s., and *S. variegates*, n. s.

The remaining species mentioned in this paper are - *Scotophilus capensis*, from the Cape of Good Hope, collected by M. Verreaux, *Miniopteris schreibersii* and *Molossus limbatus*, both collected by Mr. Andersson at Lake Ngama, and *Scotophilus kuhlii*, collected in Algeria by the Rev. H. B. Tristram.

Toschi, A. (1954). Elenco preliminare dei mammiferi della Libia.

A tassonomic checklist of species and subspecies of the Mammals known for the Lybian territory and its southern boundaries is given.

Besides some mammals recently collected by Mr. KENNETH GUICHARD in the last country have bepu identified and mentioned.

The checklist is completed by some kies and outlines for the identification of genera aud species and comments on the validity and systematic position of some forms.

Toschi, A. (1956). Missione del prof. G. Scortecci in Somalia nel 1955. Mammiferi.

Ringrazio il Chiar.mo Prof. Scortecci per avermi offerta la opportunità di studiare la piccola collezione di Mammiferi da Lui raccolti in Somalia ed il Sig. R. W. Hayman del British Museum (Natural History) di Londra per l'assistenza prestatami nelle determinazioni.

La raccolta comprende n. 29 esemplari appartenenti a 15 forme diverse e non manca di interesse sistematico e faunistico, poiché comprende esemplari scarsamente raccolti e studiati di un paese in cui questo gruppo di animali non può certo ritenersi ben noto.

Trewhella, W. J., P. F. Reason, K. M. Clark and S. R. T. Garrett (1998). The current status of Livingstone's flying fox (*Pteropus livingstonil*) in the Federal Islamic Republic (RFI) of the Cornores.

Pteropus livingstonii is an Old World fruit bat (Megachiroptera Pteropodidae) from the RFI Comores. Recent surveys show a population estimate of around 400 individuals, with natural forest being its preferred habitat. *P. livingstonii* is currently categorized as Critically Endangered (A1c+2cd, B1+2c, C2a) in the IUCN Red List categories for animals. In light of the survey results and the known distribution of this species, it appears that this categorization may be over-cautious. Although more data are desirable, we conclude that Endangered (A1c+2cd, B1+2c, C2a) is presently a more appropriate category for this species.

Trujillo, D. (1992). Murcielagos de las Islas Canarias.

Desde TOMES (1859) hasta HUTTERER (1979), la información conocida sobre murciélagos de las Islas Canarias, como muy bien señalan IBÁÑEZ y FERNANDEZ (1985b), era más bien escasa, reduciéndose a citas aisladas y a otras que formaban parte de publicaciones faunísticas más amplias.

En 1985, IBÁÑEZ y FERNANDEZ recopilan y amplían los datos existentes sobre quirópteros de la Comunidad Canaria y publican también ese año un trabajo sobre el estatus taxonómico de *Plecotus teneriffae*. Posteriormente, en 1988, TRUJILLO, BARONE y GONZALEZ citan *Nyctalus leisleri* para las islas, elevando a siete el número de especies conocidas para esta región.

Desde junio/julio de 1980, que fue el primer contacto que tuvimos con este orden de mamíferos, hasta el 10 de mayo de 1988, junto con RUBEN BARONE TOSCO, habíamos realizado los trabajos de campo sin ningún tipo de financiación oficial. Además, del 9 al 26 de septiembre del 87, la recogida de datos se llevó a cabo junto con el Dr. CARLOS IBÁÑEZ ULARGUI.

A partir del 10 de mayo del 88, hasta el 31 de diciembre de ese mismo año, el ICONA financió un estudio sobre los murciélagos de las Islas Canarias, com especial dedicación al conocimiento de esta fauna en sus Parques Nacionales al autor de este trabajo.

Los objetivos que se fijaron fueron:
- Conocer las especies de quirópteros que habitaban en los Parques Nacionales de las Islas Canarias.
- Ampliar los conocimientos sobre biología, ecología, distribución y estatus de las especies.
- Establecer las medidas necesarias para proteger y conservar estas especies.

Considero que, dado el escaso presupuesto con el que se contaba, el insuficiente material y el corto período de estudio, los resultados han sido positivos y los objetivos han sido alcanzados e incluso ampliados, ya que la información que se ofrece en este trabajo no se limita tan sólo a los cuatro Parques Nacionales de las Islas Canarias, sino que recoge todo nuestro trabajo llevado a cabo desde 1980.

Señalar algunas consideraciones generales que permiten entender mejor las características biológicas de los murciélagos de Canarias. El hecho de que las Canarias Occidentales tengan mayor número de espécies de quirópteros que las Orientales (al menos que Lanzarote y Fuerteventura) se debe a la mayor altitud de las primeras y, consiguientemente, a que poseen una gran diversidad de hábitats, como ya señalaron IBÁÑEZ y FERNANDEZ (1985b).

Los insecticidas utilizados en la década de los años 50 para combatir las plagas de langosta africana *Schistocerca gregária*, debieron de diezmar de manera muy notable las poblaciones de murciélagos de las Islas Canarias, sobre todo em las islas de Gran Canaria y Tenerife, a tenor de los numeroros comentarios de los lugareños de ambas islas, y a nuestra propia experiencia. Como ejemplo decir que en un viaje realizado a la isla de Gran Canaria en julio de 1987, visitamos 11 cuadrículas, de las cuales, sólo en una detectamos la presencia de quirópteros, concretamente 2 *Pipistrellus* sp.

Es interesante señalar que en Canarias se observan quirópteros durante todos los meses del año, al menos en las zonas bajas y medias de las islas; evidentemente este hecho se produce debido a la benignidad del clima del Archipiélago Canario.

Por otro lado, parece un tanto curioso, teniendo en cuenta la peculiaridad anteriormente señalada del clima de estas islas, que la fenología de la reproducción tenga lugar, en principio, y basándonos en los escasos datos de que disponemos, en los mismos meses que en la Península Ibérica. No obstante, este hecho hay que tomarlo con ciertas reservas, no descartando la posibilidad de que en islãs como Fuerteventura, de poca altitud y muy árida, pudiera ocurrir más tempranamente.

Comentario aparte merece la isla de Lanzarote. En las dos visitas realizadas a esa isla y al Parque Nacional de Timanfaya, no observé ni un sólo ejemplar de murciélago viviente. Además de las cuevas prospectadas (ver Anexo II), se registraron tres galerías de agua en el Risco de Famara, colocando redes japonesas en ellas, sin obtener resultado alguno.

También coloqué redes japonesas en el Jameo de los Almecenes (donde se han hallado restos óseos de *Pipistrellus kuhli*), y nylon s en el estanque del Barranco de Chafarís. Realicé varias visitas a la Presa de Mala y al Barranco de Tenegüime ... , en definitiva, recorrí la mayor parte de los lugares que

pudieran resultar adecuados para los murciélagos, y la búsqueda resultó infructuosa. Probablemente, la razón principal estriba en la escasez de vegetación, lo que trae consigo una densidad baja de lepidópteros nocturnos. En todos los trayectos realizados por la isla, durante la noche, no se veían apenas insectos. Por las mismas fechas en la isla de Fuerteventura, se podía observar gran densidad de lepidópteros nocturnos, y también de quirópteros.

Trujillo, D. and R. Barone (1991). La fauna de quiropteros del archipelago Canario.

La fauna de quirópteros Del Archipiélago Canário está compuesta por um total de siete espécies: *Pipistrellus kuhlii, P. maderensis, H. savii, Nyctalus leisleri, Barbastella barbastellus, Plecotus teneriffae* y *Tadarida teniotis*.

En esta artículo se amplían y actualizan los conocimientos sobre cada uma de las espécies (corologia, ecologia, biologia, estatus y conservacíon).

El Orejudo Canario (*P. teneriffae*) ES uma espécie endêmica del Archipiélago Canário, mientras que el Murciélago de Madeira (*P. maderensis*) es um endemismo macaronésico (Canarias y Madeira). También es muy probable que el murciélago de Bosque (*B. barbastellus*) represente un táxon exclusivo a nível subespecífico en nuestra Comunidad Autônoma.

In Canary Islands bat fauna is composed by seven species: *Pipistrellus kuhlii, Pipistrellus maderensis, Hypsugo savii, Nyctalus leisleri, Barbastella barbastellus, Plecotus teneriffae* y *Tadarida teniotis*.

In this paper knowledges on corology, ecology, biology and conservation of all Canary species are updated.

Plecotus teneriffae is an endemic species of this islands, being *Pipistrellus maderensis* as macaronesic endemism (Madeira and Canary Islands). *Barbastella barbastellus* could also likely represent an endemic subspecies of our Islands.

Tsita, J. N. (1993). Reproductive biology of the Egyptian free-tailed bat, *Tadarida aegyptiaca*.

The reproductive biology of *Tadarida aegyptiaca* was studied using specimens collected in the Cape Province of South Africa. The morphology of the reproductive tract of the species was generally similar to that of other molossids, however, the absence of Cowpers glands was unusual. Spermatogenesis began in February and spermatozoa were released to the cauda epididymis during August and September. Follicular development started in March and culminated with the appearance of Graafian follicles in July. Ovulation probably occurred in August and specimens were pregnant by September. Gestation length was estimated to be four to five months and a single young was born in December. The data suggest that *T. aegyptiaca* is monotocous and monoestrous.

Tuttle, M. D. and D. Stevenson (1982). Growth and survival of bats.

The literature on bat growth and survival is extensive. Nevertheless, few studies have made or permit within or among species comparisons of performance under varied combinations of biological and physiological parameters. In particular, surprisingly few studies have taken advantage of the fact that many species occupy wide ranges of environmental conditions. Growth and survival frequently have been treated as species-specific constants. Such treatment neglects many important determinants of success and likely has inhibited meaningful hypothesis testing and further investigation. Despite these limitations, existing studies demonstrate impressive variation. In fact, available literature indicates that few if any details of growth and survival are constant over time, even for individual colonies within a single species.

Detailed descriptions of growth and developmental stages in bats are already available (Orr, 1970). Krátky (1970), Fenton (1970b), Kunz (1973), and Pagels and Jones (1974) provide additional observations on the development of dentition and pelage, and Buchler (1980), and Brown and Grinnell (1980) review and report on the ontogeny of echolocation. Further specifics of growth and development and maternal care in phyllostomid bats are provided by Kleiman and Davis (1979). A number of survival studies are available and will be cited along with a discussion of their methods of analysis. Where possible, we will not restate previously available details of chiropteran growth and survival, but we will emphasize within and among species comparisons of adaptive responses to different environments. Our discussion will focus on variation and its probable causes, in an attempt to stimulate future investigations of a comparative nature.

Uchikawa, K. (1985a). Mites of the genus *Calcarmyobia* (Acarina, Myobiidae) with information on the taxonomy of their host bats of the genus *Miniopterus* (Chiroptera, Miniopteridae).

The tendency to regard the genus *Calcarmyobia* Radford as monotypic was prevalent until the beginning of the 1970s. The eight known species of the genus have been described on strict definition of each species (Uchikawa, 1982), and it is gradually proved that the mites of the genus *Calcarmyobia* are specific parasites of bats of the genus *Miniopterus*. Referring to the present knowledge of the mites, such formerly proposed specific names *Calcarmyobia miniopteris* and *C. parenzani* for species from South Africa and Europe, respectively, as well as some host records, should be revised (Uchikawa, 1984).

Mites of the genus *Calcarmyobia* have been evaluated as good indicators in the taxonomy and phylogeny of their host bats (Uchikawa & Harada, 1981). As the taxonomy of *Miniopterus* is not in a satisfactory state, an accumulation of records of the mites is believed to give a clue for solving some complicated problems in this area.

The present author had an opportunity to examine for ectoparasites the bat specimens deposited in the collections of the big museums in Europe and the United States. The present paper presents the records of the five species of the genus *Calcarmyobia* taken during the trip to add to the knowledge of the mites themselves and their host taxonomy.

Uchikawa, K. (1985b). *Calcarmyobia* from the Ethiopian region (Acarina, Myobiidae).

The author has sought to locate as many species and specimens of bats of the genus *Miniopterus* from the Ethiopian region as possible in the collections of the big museums in the United States and Europe for mites of the genus *Calcarmyobia*. All the four known species of the mites from the region were again recorded in the present study (Uchikawa, 1985*b*), and the five new species or subspecies were also found as described below.

All the specimens dealt with in the present paper will be deposited in the collections of the American Museum of Natural History, New York (AMNH), the British Museum (Natural History), London (BMNH), the Museum National d'Histoire Naturelle, Paris (MNHN), Forschungs-Institut Senkenberg, Frankfurt (SMF) or the US National Museum (USNM), where they were collected.

The scales for Figures are the same to those in Figs 1-6.

As the present paper is the fourth and last report on the mites of the family Myobiidae taken from the bats of the genus *Miniopterus* in the big museums, a summary of the mites themselves and, adopting them as indicators, problems in host systematics will be made in discussion.

Uchikawa, K. (1985c). Mites of the genus *Pteracarus* (Acarina, Myobiidae) taken from the bats of the genus *Miniopterus* (Chiroptera, Miniopteridae).

Despite the examination of a large number of specimens of various bats of the genus *Miniopterus*, any mite of the genus *Pteracarus* other than the so far known species, *P. faini* Uchikawa and *P. miniopteri* Uchikawa, was not found from them. This strongly suggests that only the two species represent the *Pteracarus* fauna of *Miniopterus*. It is proved that *P. miniopteri* is prevailing in almost whole range of *Miniopterus*, while *P. faini* is distributed in the Oriental, Australasian and estern Palearctic regions. Based on the host records of the mites, it is suggested that the specific name *schreibersi* has been adopted indiscriminately for so many forms of the bats of the genus *Miniopterus*.

Uchikawa, K. (1991). *Glauconyssus*: a new genus associated with African bats (Acari: Macronyssidae).

Glauconyssus, n. g., is elected for *Glauconyssus tarizaniensis*, n. sp., a parasitic mite of *Glauconycteris poensis* from Mt. Kilimanjaro, Tanzania.

Uchikawa, W. and D. Kock (1989). Revision of the Genera *Hipposiderobia, Triaenomyobia*, and *Binunculoides* (Acarina: Myobiidae) associated mainly with the chiropteran family Hipposideridae (Mammalia).

The 3 myobiid genera, *Hipposiderobia, Triaenomyobia*, and *Binunculoides* are redefined on the basis of recently acquired knowledge on chiropteran Myobiidae. The genus *Hipposiderobia* is divided into the nominate subgenus and new subgenus *Orientobia* represented by 6 and 9 species, respectively. Two new species and a new synonymy within the genus *Hipposiderobia* are presented. The genera *Triaenomyobia* and *Binunculoides* are still monotypic. Measurements and key characters for all species of those genera are tabulated.

Valdivieso, D., R. L. Peterson and J. R. Tamsitt (1979). Morphology of the basisphenoid pits and related structures of the bat *Otomops martiensseni* (Chiroptera: Molossidae).

The morphology and histology of the basisphenoid pits were studied in the bat *Otomops martiensseni* (Chiroptera: Molossidae). The pits are deep and well-defined bony cavities located posteriorly in the nasal pharynx. They are juxtaposed to the opening between the nasal and laryngeal pharynges and anatomically communicate with the middle ear through the auditory tube. Basisphenoid pits may function as resonating chambers for sound waves emitted by the larynx, but experimental research is needed to determine their importance in the sonar system.

Van Cakenberghe, V. (1990). Notes on the systematics of the Rhinopomatidae Dobson, 1878. Abstract.

The Afro-Asiatic family of the Rhinopomatidae of Mouse- or Rat-tailed bats only contains one genus: *Rhinopoma* Geoffroy, 1813, which can be divided into four species: *R. microphyllum* (Brunnich, 1782), *R. hardwickei* Gray, 1831, *R. muscatellum* Thomas, 1903 and *R. macinnesi* Hayman, 1937. This conclusion is based on the study of 15 skull and 14 external measurements and 5 morphological characters of approximately 1150 specimens.

The metrical data were examined using uni- and multivariate statistical techniques. The multivariate analyses substantiate that *R. macinnesi*, which up until now was considered to be a subspecies of *R. hardwickei*, is much smaller than any other representative of *R. hardwickei* and should be retained as a separate species.

The univariate analyses of external measurements show that *R. muscatellum* and *R. macinnesi* can only be separated with great difficulty. This might be an explanation for the literature citations of *R. muscatellum* in Africa. Based on the size of the narial inflations and the dimensions, all these African

specimens are considered to belong to *R. macinnesi*. The specimens from Genji represent the first material of *R. muscatellum* from India. *R. muscatellum* is divided into two subspecies: *R. m. muscatellum* and *R. m. seianum*.

Three of the currently recognized subspecies of *R. hardwickei* are retained: *R. h. hardwickei, R. h. cystops* and *R. h. arabium*. *R. hardwickei* has also been examined from the Sundae archipelago. The large geographical separation between these specimens arid their nearest neighbours, *R. h. hardwickei*, in India might lead to the recognition of another subspecies.

Four subspecies are recognized in *R. microphyllum: R. m. microphyllum, R. m. sumatrae, R. m. kinneari* and *R. m. asirensis*. Almost no metrical differences were found between the specimens from Indian and these from Sumatra. However, based on the large geographical separation, the animals from both regions are considered to belong to different subspecies: *R. m. sumatrae* in Indonesia and *R. m. kinneari* in India. Finally, the holotype of *R. m. asirensis* seems to be quite different and is retained as a separate subspecies for the Arabian peninsula.

Van Cakenberghe, V. and F. De Vree (1985). Systematics of African *Nycteris* (Mammalia: Chiroptera).

Based on a number of morphological characters, including the shape of the tragus and the upper incisors and the height of the second lower premolar, four species groups couldbe identified in African *Nycteris*. Of these, only the *N. arge* and the *N. macrotis* groups are discussed in this paper.

Using multivariate statistical techniques on 1343 specimens, we were able to retain four species in the *N. arge* group and only two in the *N. macrotis* group. The distribution and the dimensions of all six species are discussed, along with some remarks on the status of certain forms. Lists of literature citations and material examined are given as well.

Van Cakenberghe, V. and F. De Vree (1993a). The systematic status of Southeast Asian *Nycteris* (Chiroptera: Nycteridae).

Based on multi- and univariate statistical analyses on 233 Southeast Asian *Nycteris* specimens, two species are recognized: *Nycteris javanica* and *Nycteris tragata*. The represent the single, separate *Nycteris javanica* group, which is distinct from the four African species groups: the *hispida, thebaica, macrotis* and *arge* groups.

Par les analyses statistiques multi- en univariées sur 233 spécimens provenant du sud-est de l'Asie, deux espèces de *Nycteris* sont reconnues: *Nycteris javanica* et *Nycteris tragata*. Ces deux espèces représentent un seul groupe: le groupe *Nycteris javanica*, qui se distingue des quatre groupes d'espèces africaines: les groupes *hispida, thebaica, macrotis* et *arge*.

Van Cakenberghe, V. and F. De Vree (1993b). Systematics of African *Nycteris* (Mammalia: Chiroptera) Part II. The *Nycteris hispida* group.

In this paper the systematics of the African *Nycteris hispida* species group is discussed. Using multivariate statistical techniques, three species can be distinguished in this grou: one extremely large *Nycteris grandis* Peters, 1865, and two smaller species: *Nycteris hispida* (Schreber, 1771) and *Nycteris aurita* (K. Andersen, 1912). It is shown why both latter species are generally lumped together, since they are very alike when externa measurements are compared univariably. None of the three species shows sufficient geographical differences to permit subspecific division. Besides biometrical data, the distribution of the three species is discussed and a review of all publications concerning the various forms is presented. Additionally the sexual dimorphism is the different species was examined,

indicating that one must be very careful in attributing sexual dimorphism if the specimens originate from a large geographic area.

Van Cakenberghe, V. and F. De Vree (1994). A revision of the Rhinopomatidae Dobson 1872, with the description of a new subspecies (Mammalia: Chiroptera).

The bat family Rhinopomatidae DOBSON 1872 only contains a single genus: *Rhinopoma* GEOFFROY 1813, which can be subdivided into four species: *R. microphyllum* (BRÜNNICH 1782), *R. hardwickei* GRAY 1831, *R. muscatellum* THOMAS 1903 and *R. macinnesi* HAYMAN 1937. This conclusion is based on a biometrical study of 15 skull and 14 external measurements on approximately 1150 specimens. In addition six morphological characters were evaluated. In *R. microphyllum* four subspecies are retained, whereas only two subspecies are recognised in *R. muscatellum* and non for *R. macinnesi*. In addition to the three already known subspecies of *R. hardwickei*, a new one from the Sunda archipelago is described.

Van Den Bussche, R. A., R. J. Baker, J. P. Huelsenbeck and D. M. Hillis (1998). Base compositional bias and phylogenetic analyses: a test of the "Flying DNA" hypothesis.

Phylogenetic methods can produce biased estimates of phylogeny when base composition varies along different lineages. Pettigrew (1994, Curr. Biol. 4: 277 - 280) has suggested that base composition bias is responsible for the apparent support for the monophyly of bats (Chiroptera: megabats and microbats) from several different nuclear and mitochondrial genes. Pettigrew's "flying DNA" hypothesis makes several predictions: (1) that metabolic constraints associated with flying result in elevated levels of adenine and thymine throughout the genome of both megabats and microbats, (2) that the resulting base compositional bias in bats is sufficient to mislead phylogenetic methods and account for the support for bat monophyly from several nuclear and mitochondrial genes, and (3) that phylogenetic analysis using pairwise distances corrected for compositional bias should eliminate the support for bat monophyly. We tested these predictions by analyzing DNA sequences from two nuclear and three mitochondrial genes. The predicted base compositional bias does not appear to exist in some of the genes, and in other genes the differences in AT content are very small. Analyses under a wide diversity of criteria and models of evolution, including analyses that take base composition into account (using log-determinant distances), all strongly support bat monophyly. Moreover, simulation analyses indicate that even extreme bias toward AT-base composition in bats would be insufficient to explain the observed levels of support for bat monophyly. These analyses provide no support for the "flying DNA" hypothesis, whereas the monophyly of bats appears to be well supported by the DNA sequence data.

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van der Merwe, M. (1973a). Aspects of temperature and humidity in preferred hibernation sites of the Natal clinging bat *Miniopterus schreibersi natalensis* (A. Smith, 1834).

In the Transvaal, *Miniopterus schreibersi natalensis* forms hibernating colonies during May-July on the highveld where the ambient and cave temperatures are lower than in the lowveld. In two highveld caves, mating and hibernating colonies were resident from January to the end of July, but only one cave was occupied for hibernating during the winter. In the cave selected for hibernation humidity was lower, and fluctuated more, than in the other cave. Temperature also fluctuated more, but tended to average lower, than in the unused cave. It appears that low temperature rather than high humidity determined the choice of a hibernating cave.

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van der Merwe, M. (1973b). Aspects of social behaviour of the natal clinging bat *Miniopterus schreibersi natalensis* (A. Smith, 1834).

Les chauves-souris appartenant à l'espèce *Miniopterus schreibersi* sont de véritables troglodytes; elles se groupent en un ou plusieurs essaims très denses au plafond ou sur les parois. Ces essaims sont

de tailles très variables allant de quelques individus à plusieurs milliers (jusqu'à 100000). A Uitkmost, Transvaal, les males arrivent dans les grottes d'hibernation au mois de Janvier, les femelles en avril. II est probable que l'accouplement ait lieu dans les grottes d'hibernation, juste avant celle-ci, au mois d'avril. Il a été trouvé des colonies de pré-mise-bas dans une grotte du Bushveld, au Transvaal, ou des milliers tant de males que de femelles (ces dernières étant généralement gravides) s'étaient groupés avant le départ des femelles vers les lieux de mise-bas. Des colonies de mise-bas ont été trouvées dans deux grottes situées également au Bushveld, où des milliers de femelles s'étaient assemblées afin de mettre bas. Les premiers jeunes sont nés vers la fin du printemps: fin octobre et début novembre.

The Natal clinging bat, *Miniopterus schreibersi natalensis*, is one of the most widespread and abundant Microchiropteran forms in Southern Africa, distributed throughout most of the Republic of South Africa, Mocambique, Rhodesia, Botswana, South West Africa, Zambia, Malawi and southern Zaire. Between May 1967 and December 1968 social organization was studied at several roosts, most intensively in two adjoining caves, in the Jack Scott Private Nature Reserve on the southern Transvaal high veld. Bats were closely observed and periodically collected at roosts by hand-picking or netting. Bats were also frequently banded and recaptures recorded. *M. s. natalensis* are typically cave dwellers, where they usually form tightly packed clusters against the roof or walls. These clusters varied greatly in size, from a few individuals to a few thousand per cluster as sometimes found at the maternity colonies, where numbers of up to 100 000 adults were estimated. Some clusters occurring at Uitkomst can be considered as permanent colonies as they have used the same cave year after year for the same activities. The first males arrived at Uitkomst from their summer quarters during January while the females and young arrived only in April. The place and period of mating is still uncertain. However, it appeared to take place at the wintering caves, such as Uitkomst, prior to hibernation, from the beginning until the end of April. Pre-maternity colonies were formed in one cave, Rookpoort Guano Cave, Rooiberg, where thousands of females and males congregated before the females dispersed to the various maternity caves to give birth. During the spring and summer (October-February) thousands of females congregated at the maternity caves, Sandspruit Cave No. 1, Rooiberg, and Peppercorn's Cave, Makapansgat. The first juveniles were born at the end of October and the beginning of November.

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van der Merwe, M. (1979a). Foetal growth curves and seasonal breeding in the Natal clinging bat *Miniopterus schreibersi natalensis*.

Growth of the foetus of *Miniopterus schreibersi natalensis* is described. The gestation period in this subspecies is 240 days of which 120 days is the period of delayed implantation. Birth mass is taken as 2.7 g from measurements of near-term foetuses. Foetal growth follows a typical *J*-shaped curve during the last half of the gestation period. Young of *M. s. natalensis* are proportionately lighter at birth than many other mammals.

Fetale groei in *Miniopterus schreibersi natalensis* word beskryf. Ole dragtigheidsperiode in hierdie subspesies is 240 dae, waarvan 120 dae 'n periode van vertraagde implantering is. Geboortemassa is 2.7 g en is bereken uit gegewens verkry van fetusse net voor geboorte. Fetale groei volg 'n tipies *J*-vormige kurwe gedurende die laaste helfte van die dragtigheidsperiode. Die kleintjies van *M. s. natalensis* is proporsioneel ligter by geboorte as baie ander soogdiere.

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van der Merwe, M. (1979b). Growth of ovarian follicles in the Natal clinging bat.

Growth and atresia of the ovarian follicles of *Miniopterus schreibersi natalensis* (A. Smith, 1834) were studied from females collected on the southern Transvaal Highveld. In this hibernating subspecies no storage of sperm or delayed ovulation occur and females enter hibernation in a pregnant condition. Only one Graafian follicle develops, which is characterized by a large antrum with the ovum-bearing mass of cells occupying only a relatively small portion of the antrum. Many follicles develop to a medium size before undergoing regression. Basically two types of regression occur; usually destruction of the stratum granulosum takes place before the oocyte is affected. The reverse condition

was also observed but was very uncommon. Corpora lutea atretica resulting from the luteinization of medium-sized Graafian follicles were commonly found.

Die groei en atresie van die ovariumfollikels van *Miniopterus schreibersi natalensis* (A. Smith, 1834) is bestudeer by wyfies wat versamel is op die Suid-Transvaalse Hoëveld. In hierdie hibernerende subspesie vind geen storing van sperms of vertraagde ovulering plaas nie, en wyfies is alreeds dragtig met die aanvang van hibernasie. Slegs een Graaffollikel ontwikkel en dit word gekenmerk deur 'n groot antrum en relatief klein eierdraende selmassa wat slegs 'n relatief klein gedeelte van die antrum in beslag neem. Baie follikels ontwikkel tot 'n mediumgrootte voordat hulle regressie ondergaan. Twee tipes regressie is waargeneem: Gewoonlik vind vernietiging van die stratum granulosum eers plaas voordat die oösiet beïnvloed word. Die omgekeerde proses is ook waargeneem, maar dit kom baie selde voor. Korpora lutea atretika wat ontstaan as gevolg van die luteïnisering van mediumgrootte Graaffollikels het algemeen voorgekom.

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van der Merwe, M. (1981). Fetal development of the bat *Miniopterus schreibersi natalensis*.

Prenatal development in the fetus of *Miniopterus schreibersi natalensis* is discussed. Due to the long period of delayed implantation in this subspecies, the age of even the smallest fetuses, where the fore-limb buds just become visible will be around 150 days. The most reliable criterion for age determination proved to be body mass, and all fetal ages were estimated by using the equation $t = W^{1/3}/0.0145 + 144$.

Voorgeboortelike ontwikkeling van die fetus van *Miniopterus schreibersi natalensis* word bespreek. As gevolg van die lang periode van vertraagde implantering in hierdie subspesie is die ouderdom van selfs die kleinste fetusse, waar die voorste ledemaatknoppies net sigbaar word, alreeds ongeveer 150 dae. Die betroubaarste maatstaf vir ouderdom is liggaamsmassa, en die ouderdomme van al die fetusse is bereken met die formule $t = W^{1/3}/0.0145 + 144$.

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van der Merwe, M. (1982b). Histological study of implantation in the Natal clinging bat (*Miniopterus schreibersii natalensis*).

In the Natal clinging bat, *Miniopterus schreibersii natalensis*, implantation is centric and superficial in the right uterine horn. The blastocyst implants during the bilaminar stage with the inner cell mass orientated antimesometrially. During the preimplantation period the blastocyst becomes completely enclosed by uterine mucosae with the trophoblast in close contact with the surrounding uterine epithelium. Just before implantation the trophoblast becomes bilaminar over the greater part of the embryonic hemisphere of the blastocyst. The uterine epithelium is very persistent and parts were still present mesometrially although penetration of the uterine endometrium had already occurred on the antimesometrial side.

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van der Merwe, M. (1985a). Deciduous teeth and their replacement in *Miniopterus schreibersii natalensis*.

The sequence of replacement of the deciduous teeth by permanent teeth in *Miniopterus schreibersii natalensis* is described. A table showing the changes in tooth characteristics from birth until seven weeks of age is given.

Die volgorde van melktandvervanging deur permanente tande in *Miniopterus schreibersii natalensis* word beskryf. 'n Tabel wat die veranderinge in tandkenmerke vanaf geboorte tot en met die sewende week na geboorte beskryf, word gegee.

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van der Merwe, M. (1985b). The vestigial teeth of *Miniopterus fraterculus* and *Miniopterus inflatus*.

Both *Miniopterus fraterculus* and *Miniopterus inflatus* have a vestigial tooth on the maxilla situated between the canine and following premolar.

Beide *Miniopterus fraterculus* en *Miniopterus inflatus* het 'n vestigiale tand op die maksilla wat geleë is tussen die slagtand en daaropvolgende voorkiestand.

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van der Merwe, M. (1987b). Other bat species in maternity caves occupied by *Miniopterus schreibersii natalensis*.

During visits to known maternity caves of *Miniopterus schreibersii natalensis* in the Transvaal (where vast numbers of females arrive seasonally to give birth and suckle their young), it has become apparent that these caves are not frequently used by other species during those periods when large numbers of *M. s, natalensis* females are present.

Gedurende besoeke aan bekende broeigrotte van *Miniopterus schreibersii natalensis* in Transvaal (wat seisoenaal deur groot getalle wyfies beset word om geboorte te gee en hul kleintjies te soog) het dit duidelik geword dat hierdie grotte nie gereeld deur ander vlermuisspesles benut word ten tye van *M. s. natalensis* wyfies se teenwoordigheid nie.

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van der Merwe, M. (1989a). Reproduction in the Rusty Bat, *Pipistrellus rusticus* in the Northern Transvaal Bushveld, South Africa. Abstract. Eigth International Bat Research Conference, Sydney, Australia, 9 - 15 July 1989.

Rusty bats are seasonally monoestrous and give birth to twins between mid November and mid December. Spermatozoa are present in the epididymides from March to August but absent from the testes from April until September. Spermatozoa are therefore stored in the epididymides for five months of the year (April-August). Copulations are initiated during April with females having increasingly more spermatozoa in their uterine horns from then towards the end of July. Ovulations and fertilization occur between mid August and mid September.

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van der Merwe, M. (1989b). Longevity in Schreibers' long-fingered bat.

Longevity in a hibernating and migratory vespertilionid, *Miniopterus schreibersii natalensis*, was studied with mark-recapture techniques. Data from this study suggest that 13 years may be the maximum life expectancy of this species in the wild.

Langslewendheid in 'n hibernerende en migrerende vespervlêrmuis, *Miniopterus schreibersii natalensis*, is bestudeer deur middel van merk-hervangmetodes. Gegewens uit hierdie studie toon dat 13 jaar die maksimum lewensverwagting van hierdie spesie in die natuur kan wees.

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van der Merwe, M. (1990). Polytocy in the Cape serotine bat *Eptesicus capensis* (A. Smith 1829) from the southern African subregion.

Polytocy is described in the Cape serotine bat, *Eptesicus capensis*, and discussed in relation to the occurrence of multiple births in other microchiropteran bat species in the southern African subregion.

Although twins appear to be characteristic of the Cape serotine bat, triplets and even the occasional quadruplets occur.

Politokie in die Kaapse dakvlermuis, *Eptesicus capensis*, word beskryf en bespreek met verwysing na die voorkoms van veelvoudige geboortes in ander mikrochiroptera vlermuisspesies in die Suider-Afrikaanse substreek. Alhoewel dit wil voorkom asof tweelinge kenmerkend is by die Kaapse dakvlermuis, blyk dit dat drielinge en selfs die periodieke vierling voorkom.

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van der Merwe, M. (1994). Reproductive biology of the Cape serotine bat, *Eptesicus capensis* in the Transvaal, South Africa.

The reproductive biology of the Cape serotine bat, *Eptesicus capensis*, was investigated histologically. The study was based on 67 specimens collected over a six-year period. This species is seasonally monoestrous, normally giving birth to twins during November. Spermatogenesis peaks during autumn (March-May) when masses of spermatozoa are released into the epididymides, and spermatozoa are present in the epididymides from March to October. Copulations are initiated during this period from the end of March to the beginning of April, with the first ovulations occurring during August. During the pre-ovulation period leucocytes are commonly found within the uterine lumen and uterine glands of females.

Die voortplantingsbiologie van die Kaapse dakvlermuis, *Eptesicus capensis*, is histologies ondersoek. Die studie is gebaseer op 67 monsters wat oar 'n periode van ses jaar versamel is. Hierdie spesie is seisoenaal monestrus, en skenk gewoonlik geboorte aan tweelinge gedurende November. Spermatogenese bereik 'n piek gedurende die herts (Maart-Mei) wanneer massas sperme in die epididimi gestort word, en sperme is teenwoordig in die epididimi vanaf Maart tot Oktober. Kopulasie neem 'n aanvang gedurende die periode einde Maar! en begin April, terwyl die eerste ovulasies gedurende Augustus plaasvind. Gedurende die preovulasie periode is leukosiete algemeen in die uteruslumen en -kliere van wyfies gevind.

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van der Merwe, M. (1996). Amniogenesis in Schreiber's long-fingered bat *Miniopterus schreibersii natalensis*.

Schreiber's long-fingered bat, *Miniopterus schreibersii natalensis* is seasonally monoestrous, carrying a single foetus in the right uterine horn. Implantation is superficial, the amnion being a pleuramnion. Lateral folds, originating from the ends of the caudal and cephalic folds, are the main contributors in the formation of the definitive amnion. The formation of the amnion by folding is preceded by the development of a primitive amniotic cavity within the inner cell mass which eventually disappears.

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van der Merwe, M. (1997). Vestigial teeth in the genus *Scotoecus* (Mammalia: Chiroptera): adapted dental formulae for vespertilionids with vestigial teeth.

Some members of the genus *Scotoecus* Thomas, 1901 have an inconspicuous vestigial tooth which occurs on both sides of the upper jaw between the canine and following premolar. This tooth is regarded as permanent premolar pi in vestigial form.

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van der Merwe, M. and I. L. Rautenbach (1986). Multiple births in Schlieffen's bat, *Nycticeius schlieffenii* (Peters, 1859) (Chiroptera: Vespertilionidae) from the southern African subregion.

Nycticeius schlieffenii is a monestrous species that breeds during the spring months in the northern parts of the Kruger National Park. During spring 1983 the average number of corpora lutea in 11

Nycticeius schlieffenii females was 3.1 (range 1 - 4), with the average number of fetuses recorded 2.8. In the present study this bat has been found to be a polyovular seasonal breeder, giving birth to as many as three young per estrous cycle.

Nycticeius schlieffenii is 'n monestrus spesie wat gedurende die lente in die noordelike gebied van die Nasionale Kruger Wildtuin teel. Gedurende die lente van 1983 was die gemiddelde aantal corpus luteums wat deur 11 *Nycticeius schlieffenii*-wyfies afgeskei is 3.1 (bestek 1 - 4), met die gemiddelde aantal fetusse waargeneem 2.8. In die huidige studie is bevind dat hierdie vlermuisspesie 'n poliovulêre seisoenale voortplanter is wat aan so veel as drie kleintjies per estrussiklus geboorte gegee het.

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van der Merwe, M. and I. L. Rautenbach (1987). Reproduction in Schlieffen's bat, *Nycticeius schlieffenii*, in the eastern Transvaal lowveld, South Africa.

The present study is based on 153 Schlieffen's bats collected over a 2-year period from September 1983 to September 1985. Spermatogenesis extends over a 10-month period with the first signs of spermatozoa in the epididymides by the end of April. Spermatozoa were present in the epididymides from the end of April until the beginning of September. Copulation begins during June (early winter) and the females have spermatozoa in the uterine horns from then until the end of August (late winter) when ovulation occurs. These bats are seasonally monoestrous with the great majority of births occurring during November. The number of conceptuses varied; a maximum of 5 pre-implanted embryos was recorded, but the maximum number of fetuses observed was 3.

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van der Merwe, M. and I. L. Rautenbach (1990). Reproduction in the rusty bat, *Pipistrellus rusticus*, in the northern Transvaal bushveld, South Africa.

Rusty bats are seasonally monoestrous and give birth to twins during November. Spermatozoa are present in the epididymides from March to August but absent from the testes from April until September. Males thus store spermatozoa in the epididymis for 5 months of the year (April-August). Mating is initiated during April with uterine horns exhibiting a 3-fold increase in sperm volume between April and July samples. It is concluded that ovulation and fertilization occur during the second half of August. Up to 5 conceptuses per female were recorded, but a maximum of only 2 implantations was observed.

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van der Merwe, M., I. L. Rautenbach and W. J. van der Col (1986). Reproduction in females of the little free-tailed bat, *Tadarida (Chaerephon) pumila*, in the eastern Transvaal, South Africa.

Little free-tailed bats (2 - 9/month) were collected over 15 months in the eastern Transvaal lowveld (latitude 24°59'S). There was an extended but distinct breeding season of 8 months per year. Females appeared to be polyoestrous and able to bear 3 pregnancies per breeding season. There was a progressive decrease in the magnitude of the three birth peaks during the breeding season, with a concomitant slight loss in birth synchronization. Gestation period was ~ 60 days and one young per female was the rule, with implantation occurring only in the right uterine horn of the bicornuate uterus. It is suggested that offspring are weaned before the age of 21 days, and that females become sexually mature in the following breeding season at the age of 5 - 12 months.

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van der Merwe, M. and R. J. van Aarde (1989a). Plasma progesterone concentrations in the female Natal Clinging Bat (*Miniopterus schreibersii natalensis*). Abstract. Eigth International Bat Research Conference, Sydney, Australia, 9 - 15 July 1989.

Plasma progesterone concentrations measured by radioimmunoassay in the Natal clinging bat remained below 2.01 ng/ml during lactational anoestrus but increased significantly during the period of delayed implantation. Values peaked at implantation but were followed by a significant decrease

thereafter. Concentrations remained low (< 7.0 ng/ml) during the initial period of foetal development (153 - 201days *post coitum*) and attained peak values (85.6 - 181.3 ng/ml) 216 - 222 days after fertilization. The sharp postlrnplantatlon increase in progesterone levels coincided with a significant increase in placental weight.

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van der Merwe, M. and R. J. van Aarde (1989b). Plasma progesterone concentrations in the female Natal Clinging Bat (*Miniopterus schreibersii natalensis*).

Plasma progesterone concentrations measured by radioimmunoassay in the Natal clinging bat remained below 2.01 ng/ml during lactational anoestrus but increased significantly during the period of delayed implantation. Values peaked at implantation but were followed by a significant decrease thereafter. Concentrations remained low (< 6.0 ng/ml) during the initial period of fetal development (153 - 180 days *post coitum*) and attained peak values (85.6 - 181.3 ng/ml) 216 - 222 days after fertilization. The marked post-implantation increase in progesterone concentrations coincided with a significant increase in placental weight.

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van der Merwe, N. J. and I. L. Rautenbach (1988). The placenta and foetal membranes of the lesser yellow house bat, *Scotophilus borbonicus* (E. Geoffroy, 1803) (Chiroptera: Vespertilionidae).

A discoidal hemodichorial placenta is present in *Scotophilus borbonicus*. Evidence is presented which suggests that histotrophic nutrition, in addition to hemotrophic nutrition, occurs. The foetal trophospongium phagocytoses cell debris and glandular secretions derived from the maternal endometrium (decidua basalis). This cell debris forms a detritus zone between the decidua basalis and trophospongium. The existing concept of the basal lamina (intrasyncytial membrane) of the hemodichorial placenta is described in a modified form.

'n Diskoidale hemodikoriale plasenta is teenwoordig in *Scotophilus borbonicus*. Bevindinge word voorgele wat aandui dat histotrofe voeding, bykomstig tot hemotrofe voeding, plaasvind. Die fetale trophospongium fagositeer seldebris en klierafskeidings afkomstig van die endometrium (decidua basalis). Die seldebris vorm 'n detritussone tussen die trophospongium en die decidua basalis. Die bestaande konsep van die basale lamina (intrasinsitiale membraan) van die hemodikoriale plasenta word in 'n gewysigde vorm beskryf.

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van der Merwe, N. J. and I. L. Rautenbach (1989). The male reproductive pattern and histology of the testes of the lesser yellow house bat, *Scotophilus borbonicus* (E Geoffroy, 1803) (Chiroptera: Vespertilionidae).

Monthly samples of the testes of the vespertilionid bat, *Scotophilus borbonicus* were collected, sectioned and examined by light microscopy. Spermatogenesis was prolonged and extended over 8 months, coinciding with spring, summer and autumn. During any particular month only certain spermatogenic cells are present in the seminiferous tubules. The mediastinum is, unlike that of most other mammals, situated towards the caudal border of the testis. This species is eminently suited for the study of the process of spermatocytogenesis.

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van der Merwe, N. J., I. L. Rautenbach and B. L. Penzhorn (1988). A new pattern of early embryonic development in the seasonally breeding non-hibernating lesser yellow house bat, *Scotophilus borbonicus* (E. Geoffroy, 1803) (Chiroptera: Vespertilionidae).

Monthly collections of *Scotophilus borbonicus* females and examination of serially sectioned female genital tracts showed that it is a monoestrous species. Insemination, ovulation and fertilization take

place in autumn. Early embryonic growth is retarded, but not arrested. The conceptus remains in the morula stage for 6 to 8 weeks, followed by a blastocyst stage of c. two months. With the onset of warmer weather, a higher rate of embryogenesis is observed.

Van der Westhuyzen, J., R. C. Cantrill, F. Fernandes-Costa and J. Metz (1983). Effect of a vitamin B-12-deficient diet on lipid and fatty acid composition of spinal cord myelin in the fruit bat.

The effects of vitamin B-12 deficiency on lipids and fatty acids of spinal cord myelin were studied in control and vitamin B-12-deficient fruit bats. Very low plasma and brain vitamin B-12 concentrations were present in animals fed the vitamin B-12-free, all fruit diet. Myelin was isolated from the spinal cord of control and vitamin B-12-deficient animals (n = 3 pools) by means of a flotation method in a discontinuous sucrose gradient. The molar concentration of cholineglycerophosphatide was significantly lower in the deficient bats than in the controls. The molar cholesterol:phospholipid ratio in the deficient bats was also significantly lower. The odd-chain fatty acid 15:1 was not detected in cholineglycerophosphatide from the controls, but comprised 1.4 % of the total fatty acids in the deficient group. The odd-chain fatty acids 15:0, 17:1 and 19:0 were present in slightly higher amounts in cholineglycerophosphatide of deficient bats. Lipid and fatty acid differences were related to the vitamin B-12-requiring methionine synthetase and methylmalonyl CoA mutase reactions.

Van Neer, W. (1990). Les faunes de vertébrés quaternaires en Afrique centrale.

Les ensembles fauniques de vertébrés quaternaires de l'Afrique Centrale sont actuellement au nombre d'une vingtaine et représentent, à une exception près, des restes archéozoologiques. Ce matériel paléontologique, dont le principal agent taphonomique* est l'homme, est jusqu'à présent très dispersé dans le temps et l'espace, mais il permet néanmoins une évaluation paléoécologique et paléoéconomique. Trois sites, Ntadi Yomba, Matupi et Ishango témoignent par leurs faunes de la période aride fin Pléistocène. Sur plusieurs sites datant des deux derniers millénaires (Ngovo, Dimba, Akameru, Cyinkomane, couches supérieures de Shum Laka) les vertébrés préservés démontrent un milieu plus boisé que l'actuel, ce qui indique qu'une déforestation probablement surtout anthropique s'est effectuée entre temps. En ce qui concerne l'introduction des animaux domestiques en Afrique centrale, il semble que celle-ci s'est effectuée dans le premier millénaire de notre ère. Le nombre restreint de sites avec préservation faunique de cette période empêche pourtant de dater ces événements plus précisément

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Van Orshoven, J. and P. J. H. Van Bree (1968). Quelques données sur six espèces de Megachiroptères de la République de Guinée.

A collection of Megachiroptera captured in mistnets at Kankasili (10° 11' N,12° 29' W), Republic of Guinea, Africa, during 1966-1967, is described. The following species were represented: *Rousettus aegyptiacus* (10 specimens), *Lissonycteris angolensis* (2 specimens), *Epomophorus gambianus* (1 specimen), *Epomops buettikoferi* (13 specimens), *Micropteropus pusillus* (104 specimens) and *Nanonycteris veldkampi* (4 specimens). Measurements, as well as descriptions of the colours and of the palatal ridges of the bats are given.

Varty, N. and J. E. Hill (1988). Notes on a collection of bats from the riverine forests of the Jubba Valley, southern Somalia, including two species new to Somalia.

Fifty-eight bats of eight species were collected from the riverine forests of the Middle Jubba Valley, Somalia during August and September 1986. *Epomophorus wahlbergi* was the most commonly-caught species. Two species *Pipistrellus eisentrauti* and *Scotoecus albigula* had not been previously recorded for Somalia and two other species, *Nycteris parisii* and *Hipposideros commersoni*, are rare within Somalia. Seven of the eight species showed evidence of breeding during this period (dry season).

The forests are rapidly being destroyed and there is an urgent need to conserve the remainning stretches of riverine forest to protect the rare species.

Vattier, G. and J. P. Adam (1966). Capture de Cératopogonidae (Diptera) dans des grottes de la république gabonaise.

Au cours d'une brève mission au Gabon, en janvier 1966, l'un de nous (J.P.A.) a eu l'occasion de prospecter deux grottes situées aux environs de Belinga sur le cours supérieur de l'Ivindo, et une troisième à quelques kms au Nord du village de Batouala.

Dans deux d'entre elles il a été possible de capturer une importante série de Cératopogonidés appartenant à trois espèces distinctes dont deux inédites.

Nous donnons ici, un bref aperçu du biotope et des conditions de capture. La description des nouvelles espèces.

Vattier-Bernard, G. (1970). Contribution à l'étude systématique et biologique des Phlébotomes cavernicoles en Afrique intertropicale. 1re partie.

Ce travail comprend:

- une étude systématique et morphologique des Phlébotomes cavernicoles vivant au Congo-Brazzaville. Adultes et stades préimaginaux de *Spelaephlehotomus gigas* et de *Phlehotomus mirabilis* sont décrits;

- une mise au point de la répartition géographique des huit espèces de Phlébotomes cavernicoles africains.

Diverses techniques (capture, élevage...) sont décrites.

This work includes:

- a systematical and morphological study of the cavernicolous sandflies from the Congo. The adults and the immature stages of *Spelaephlebotomus gigas* and *Phlebotomus mirabilis* are described;

- the geographical distribution of the cavernicolous African sandflies (eight species).

Different methods (capture, rearing...) are given

Vaughan, N. and J. E. Hill (1996). Bat (Chiroptera) diversity and abundance in banana plantations and rain forest, and three records for St. Vincent, Lesser Antilles.

Mist netting in banana plantations and rain forest showed that rain forest had higher numerical bat species richness, but fewer bats, than banana plantations. The conservation of the few remaining tracts of rain forest on St. Vincent may be important for the survival of several species of bat and for the maintenance of bat diversity. Three bat species previously unrecorded from St. Vincent were caught there, namely; *Pteronotus parnellii, Micronycteris megalotis* and *Tadarida brasiliensis antillularum*.

Les captures au filet ont montré que si la richesse spécifique du peuplement de chiroptères de la forêt pluvieuse est plus élevée que celle des plantations de bananes, la situation inverse prévaut en ce qui conceme l'abondance des individus. La conservation des dernières portions de forêt pluvieuse de St. Vincent est probablement très importante pour le maintien de plusieurs espèces de chiroptères et de

la diversité des communautés présentes. Trois nouvelles espèces de microchiroptères ont été récemrnent découvertes à St. Vincent: *Pteronotus parnellii, Micronycteris megalotis* et *Tadarida brasiliensis antillularum*.

Vaughan, N., G. Jones and S. Harris (1996). Effects of sewage effluent on the activity of bats (Chiroptera: Vespertilionidae) foraging along rivers.

In order to investigate how a decline in river water quality might affect the foraging behaviour of bats in riparian habitats, bat activity and feeding rates were measured at sites upstream and downstream from 19 sewage outputs. Paired sampling was used to control for variation in bat activity due to environmental parameters. Bat activity (bat passes) and attempted prey captures (terminal buzzes) recorded from broad band bat detectors were counted at each site, and bat species groups could be distinguished. Overall bat activity and foraging activity were reduced downstream from sewage outputs, by 11 % (total reduction in passes) and 28 % (total reduction in buzzes). Both phonic types of *Pipistrellus pipistrellus* were less active at downstream sites than at upstream sites (total reduction in activity was 55 % for the 45 kHz phonic type and 51 % for the 55 kHz phonic type). The 45 kHz phonic type of *P. pipistrellus* concentrated its foraging effort at upstream sites (total reduction in counts of buzzes was 87 %), while *Myotis* spp. Foraged at higher rates downstream from outputs than upstream (total increase in foraging rate was 112 %). For the conservation of *P. pipistrellus*, the maintenance of high standards of water quality may be important. *Myotis daubentonii* may be able to benefit from eutrophication.

Vaughan, N., G. Jones and S. Harris (1997a). Habitat use by bats (Chiroptera) assessed by means of a broad-band acoustic method.

1. Bats foraging activity was quantified by using a broad-band acoustic method on transects in 10 land use types in south-west England. From multivariate analyses of parameters of bat echolocation calls, 83 % of bat passes could be identified to species level with quantified degrees of certainty. The remaining 17 % could be identified to species group.

2. Total bat activity was positively correlated with air temperature, and once adjusted for temperature, was significantly higher over rivers and lakes than over other land use types.

3. Bats that use frequency-modulated echolocation calls (mainly *Myotis* spp., but some *Plecotus auritus* were recorded in nine of 10 land use types, but never in villages. Rivers and lakes supported high levels of activity of these species. Bats classified as 45 kHz and 55 kHz phonic types of *Pipistrellus pipistrellus* had different habitat requirements; 45 kHz *P. pipistrellus* fed in many habitats, while 55 kHz *P. pipistrellus* fed mainly over rivers and lakes. Bats classified as *Nyctalus noctula, Nyctalus leisleri* and *Eptesicus serotinus* were most active in open habitats and over rivers and lakes.

4. Total bat activity was equally high in woodland interiors and along woodland edges, but bats were relatively more active in sheltered sections of transects than in exposed sections.

5. Plans for land management should take into account the habitat needs of bats. For most species in Britain, rivers and lakes are of primary importance. Management plans should aim to maintain physical diversity and features used by insects in freshwater habitats, woodlands and pasture.

Vaughan, N., G. Jones and S. Harris (1997b). Identification of British bat species by multivariate analysis of echolocation call parameters.

1. A method for the identification of bat species from time-expanded broad-band recordings of their echolocation calls is presented. The method may be used for the assessment of habitat use by bats.

2. Recording were made of echolocation calls produced by 536 bats of known species identity, belonging to 15 species found in Great Britain. One call was analysed per individual, and sonograms and descriptive statistics of six time and frequency variables of calls are presented. British bats can be placed in three groups according to the structure of their calls: high duty cycle FM/CF/FM bats (*Rhinolophus* spp.), low duty cycle FM bats (*Myotis* spp, and *Plecotus* spp.) and intermediate duty cycle FM/CF bats (*Pipistrellus* and *Nyctalus* spp. And *Eptesicus serotinus*).

3. FM/CF/FM bats could be identified from the peak frequency of their calls. Two separate quadratic multivariate discriminant analyses were carried out on the time and frequency parameters of calls produced by FM bats and FM/CF bats. For FM bats 67 %, and for FM/CF bats 89 %, of unknown calls were classified to species.

Vaughan, T. A. (1966). Morphology and flight characteristics of Molossid bats.

Selected aspects of the morphology of bats of the family Molossidae are described and the functional significance of these features are discussed. The structure and proportions of the ears and the wings are considered to reflect primarily ther rapid enduring flight typical of molossids. Comparisons of characteristics of the wings of three rnolossids and of four bats of the family Vespertilionidae were made, and several aerodynamic relationships were applied to a consideration of the styles and speeds of flight of these bats. Molossid bats in genera seem adapted to fast flight in open areas, whereas the vespertilionids studied are apparently suited to slower flight fairly low to the ground, near vegetation and other obstacles.

Vaughan, T. A. and R. P. Vaughan (1986). Seasonality and the behavior of the African yellow-winged bat.

The African yellow-winged bat (*Lavia frons*) was observed in Kenya, East Africa, through one wet and one dry season (December 1982 to July 1983). This opportunistic, sit-and-wait predator typically forages from the crowns of *Acacia tortilis* and captures insects through a broad range of elevations by brief, precise interceptions. *Lavia* is monogamous. Members of a pair roost together in a territory defended by the male, forage either separately or together, and share the territory for some 3 months with the single young. *Acacia tortilis* responds to erratic dry-season rains by flowering and growing new leaves; attending brief bursts of insect abundance may be of crucial importance to *Lavia* during dry-season energy bottlenecks. Many of the most distinctive aspects of the life history of *Lavia* - monogamy, territoriality, the division of labor, opportunistic foraging, a long mother-young association, and a close association between *Lavia* and *A. tortilis* - probably are adaptations to recurring periods of energy stress.

Vaughan, T. A. and R. P. Vaughan (1987). Parental behavior in the African yellow-winged bat (*Lavia frons*).

The parental behavior of five monogamous pairs of African yellow-winged bats (*Lavia frons*) was observed in Kenya. Each females bore a single young, which clung to its mother continuously until about one week before it first flew and foraged. Newly Volant young foraged with their parents and soon developed foraging performance that closely resembled that of their parents. Young were weaned about 20 days after becoming Volant. Until at least 50 days after its first flight, each young shared its parent's territory, synchronized its grooming and foraging periods with those of its parents, and periodically huddles against its mother when roosting. Recurring but unpredictable periods of low insect density have seemingly selected for an extended period of parent-young association, during which the young become skilled opportunistic foragers.

Vaughan, T. C., E. L. Cockrum and P. J. Vaughan (1977). Four Vespertilionid bats new to the fauna of Tunisia.

Quatre espèces de chauves-souris dont la répartition connue est européenne ont été trouvées dans le nord de la Tunisie: *Myotis emarginatus, M. capaccinii, Pipistrellus pipistrellus* et *P. savii*.

Four bats: *Myotis emarginatus, M. capaccinii, Pipistrellus pipistrellus*, and *P. savii*, essentially European in distribution, and previously unknown from Tunisia are reported from the northern part of that country.

Veiga-Ferreira, M. C. (1948). Notas acêrca dos Megaquiropteros da Guiné Portuguesa.

A colecção de Quirópteros obtida pela Missão Zoológica da Guiné, chefiada pelo Prof. F. Frade, em 1945 e 1946, nas várias Iocalidades do seu itinerário, eleva-se a 276 exemplares, dos quais 37, correspondentes a três espécies, pertencem à subordem *Megachiroptera* e constituem o material, conservado em álcool, em que se baseia o presente estudo. Embora na sua maioria tenham sido capturados a tiro, o estado de conservação dos referidos exemplares é muito satisfatório, mesmo para as observações craniológicas.

Uma das espécies, *Rousettus angolensis*, é, segundo cremos, registada pela primeira. vez como elemento da fauna da Guiné Portuguesa. Muito deslocada da área geográfica que lhe foi atribuída, o encontrá-la na Guiné Portuguesa parece indicar que futuras explorações revelarão a sua existência nas outras regiões entre esta colónia e Angola.

Eidolon helvum e *Epomophorus gambianus* estão, desde há muito, registados como existentes na nossa Guiné, mercê das antigas colheitas do português Francisco Newton, que forneceram o material ao Prof. Bocage, e das mais recentes do Dr. Monard.

Um fado importante se nos afigura oportuno pôr em relevo, que é o de não haver entre os exemplares coligidos pela Missão, nem pelo Dr. Monard, nenhum que se identifique com *Epomophorus guineensis* Bocage, binome geralmente incluído na sinonímia de *Epomophorus gambianus*, o que leva a admitir que se trata de aberração ou de forma muito rara, apenas uma vez encontrada.

Os Megaquirópteros são conhecidos vulgarmente, na Guiné Portuguesa, pela designação imprópria de "Vampiros", embora ali se saiba perfeitamente que estes animais são frugívoros, pelos estragos por eles produzidos. Dos seus hábitos e prejuízos que causam dá-nos ideia o Prof. Frade no relatório da Missão, de onde extraímos os seguintes passos, a pág. 286~287: "J á em Farim, durante a noite, maçam-nos os ouvidos com o seu monótono cantar, lembrando o bater do martelo na bigorna, os "Vampiros", grandes morcegos que invadem os mangueiros na época da maturação dos seus saborosos frutos. O foco da lâmpada eléctrica descobrelhes os elhitos brillhantes e incomoda-os a tal ponto que mudam de lugar, provocando querelas entre eles. No dia seguinte, lá continuam suspensos, cabeça pendente, dormindo. O chão, junto às árvores, está juncado de frutos roídos, pois estragam mais do que comem". Mais adiante, a pág. 300: "Cai a tarde. Do continente aflui à iiha de Bolama, atravessando o mar de alto, legião inumerável de morcegos de enorme envergadura, em esquadrilhas desordenadas, sem disciplina das formações ordeiras de patos. Vão tomar de assalto os mangueiras da antiga capital".

Veiga-Ferreira, M. C. (1949). Notas acêrca dos Microquiropteros da Guiné Portuguesa.

O presente trabalho regista 11 espécies de Microquirópteros da Guiné Portuguesa, provenientes das explorações (1945 - 1946) da Missão Zoológica da Guiné, chefiada pelo Prof. F. Frade. Essas espécies, representadas por mais de 200 exemplares, distribuem-se por 5 famílias (*Nycteridae, Hipposideridae, Molossidae, Vespertilionidae*, e *Embalonuridae*) e 6 géneros (*Nycteris, Hipposideros, Chaerephron, Scotophilus, Eptesicus* e *Tazophous*). Duas espécies são pela primeira vez registadas como elementos da fauna da Guiné Portuguesa: *Hi'pposideros abae* Allen e *H. cyclops* Temm.; outras

registadas pela segunda vez, como *H. gigas viegasi* Monard, *H. braima* Monard e *Mops osborni occidentalis* Monard.

Vermeil, C. (1960). Contribution à l'étude des Nycteribiidae et des Streblidae (Diptera, Pupipara) de Tunisie.

Nous avons trouvé, dans la collection de MM. Deleuil et Labbe, cinq espèces sur les sept déjà signalées de Nycteribiidæ et de Streblidæ, parasites de Chiroptères en Tunisie, c'est-à-dire: *Penicillidia conspicua, Nycteribia vexata vexata, Nycteribia latreillii, Nycteribia schmidlii, Nycteribosca kollari*. *Nycteribia biarticulata* paraît bien être une nouvelle espèce pour ce pays. Nous avons indiqué les variations, principalement chætotaxiques, observées sur ce matériel. Confirmant Theodor et Moscona, il ne nous semble pas qu'il faille retenir la sous-espèce *africana* de *N. latreillii* proposée par Karaman.

Verschuren, J. (1965b). Contribution à l'étude des cheiroptères du Parc National du Serengeti (Tanzanie).

Au cours d'une mission en 1962-1963, pour la F.A.O./O.N.U., au Parc National du Serengeti, nous avons récolté un certain nombre de Cheiroptères. Cette réserve naturelle est située en Tanzanie, un peu au Sud de l'Equateur, à des altitudes variant entre 1.200 et 2.100 mètres. Deux biotopes principaux sont représentés: la savane et la steppe, d'une part et de vastes étendues de bush, d'autre part. Les captures de Cheiroptères ont été effectuées principalement dans les affleurements granitiques, très nombreux dans la réserve naturelle et dans des arbres creux des étroites galeries forestières. Toutes les localités indiquées ci-après sont situées dans le Parc National.

Verschuren, J. (1967). Exploration du Parc National Albert. Mission F. Bourlière et J. Verschuren (1957 - 1961). Fasc. 2. Introduction a l'écologie et la biologie des cheiroptères.

Une prospection mammalogioue détaillée, axée principalement sur l'Écologie, a été entreprise, au Parc. National Albert, République du Congo, de juillet1957 à décembre 1961. Elle a été complétée par des courtes visites dans la réserve. Naturelte en 1962 et 1963; une prospection préliminaire, avec le Profr H. HEDIGER, avait eu lieu en 1948.

Plusieurs centaines de Cheiroptères ont été récoltés dans différents milieux du Parc National; une quantité assez importante de données écologiques ont été obtenues sur ces Mammifères. L'ensemble de cette documentation fait l'objet de la présente publication. On notera que les travaux sur les Cheiroptères n'ont pas été effectués en profondeur comme au Parc National de la Gararnba, au cours de la Mission H. DE SAEGER, où une monographie assez complète des Cheiroptères avait été préparée (VERSCHUREN, 1957). Par ailleurs, nous avons estimé superflu de reprendre ici une série de problèmes examinés dans ce travail.

En ce qui concerne les Cheiroptères, il est évident que des lacunes restent à combler au Parc National Albert. Deux auteurs seulement, avant nous, s'étaient occupés de ce groupe de Mamrnifères: FRECHKOP (1938 et 1943) et CURRY-LINDAHL (1961).

Verschuren, J. (1977). Les cheiroptères du Mont Nimba (Liberia).

273 Cheiroptères, répartis en 18 espèces, ont été récoltés dans la région du Mont Nimba Liberia, Afrique occidentale, vers la limite nord de la forêt, à des altitudes de 500 à 1 350 m. La majorité (90 %) des captures étaient représentées par des *Pteropidae*, par suite de l'usage intensif de filets de nylon. *Myonycteris torquata leptodon* est, de loin, l'espèce la plus abondante. Une liste de récoltes et d'observations écologiques est suivie d'une tentative de synthèse de certains problèmes généraux:

répartition des espèces, biotopes, reproduction, associations, migrations, facteurs anthropiques. 5 espèces nouvelles sont signalées pour le Liberia.

273 Bats (order: Chiroptera), includlng 18 difîerent species, have been collected in the Mount Nimba area (Liberia, West Africa), near the northern lirnit of the forest (altitudes between 500 and 1 350 m). The rnajortty of the animals (90 %) are represented by *Pteropidae*, due to the intensive use of nylon nets. *Myonycteris torquata leptodon* seems the most common bat. Lists of recolts and ecological observations are followed by more general indications concerning some problems: distributions of species, biotopes, reproduction, associations, rnigrations, anthropical factors. 5 species are new for Liberia

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Verschuren, J. (1980). Notes sur les cheiroptères du Burundi.

La faune mammalogique du Burundi est nettement moins bien connue que celle du Zaire et du Rwanda, pays limitrophes, études de façon intensive. Un seul auteur, P.L. NIORT (1970), s'est occupé de façon spécifique des Cheiroptères de ce pays. Des élements intéressants peuvent être trouvés égamement chez des auteurs ayant effectué une étude globale des pays anciennement belges (Zaïre, Rwanda et Burundi): H. SCHOUTEDEN (1946) et R.W. HAYMAN, W. MISONNE et W. VERHEYEN (1966). Le Rwanda a fait l'objet de travaux approfondis par M. ANCIAUX DE FAVEAUX. Cet auteur s'est récemment livré à de remarquables travaux d'envergure sur la répartition biogéographique et les cycles annuels de reproduction des Cheiroptères d'Afrique centrale, en ajoutant une bibliographie approfondie, incluant pratiquement tout ce qui a été publié antérieurement sur le sujet (1972, 1976, 1977, 1978). L'auteur de la présente note a examiné aussi la faune des Cheiroptères du Zaïre - Garamba et Virunga -, du Rwanda, de Tanzanie, de même que du Liberia et du Sénégal (VERSCHUREN, 1955, 1965, 1966, 1976 et sous presse).

Pendant la période juin-août 1976, nous avons effectué des recherches sur les Cheiroptères du Burundi, à l'occasion d'une mission pour l'Adrninistration générale de la Coopération pour le Développement (Belgique), ayant pour objet essentiel le pré-lancement de Parcs Nationaux au Burundi. Ces recherches ne constituaient pas le but de base des travaux. Les récoltes, en utilisant principalement des filets, ont été réalisées près de Bujumbura, capitale du pays (alt. 600 m) et dans la vallée de la Ruvubu et ses environs (alt. 1400 - 1650 m), à l'Est du Burundi. Les collections sont conservées à l'Institut royal des Sciences naturelles de Belgique. Nous ne détaillerons pas les caractéristiques générales géographiques et biologiques du Burundi, celles-ci étant largement examinées dans plusieurs travaux récents.

Verschuren, J. (1982). XXII. Note sur les cheiroptères du Sénégal, principalement dans les pars nationaux du Niokolo-Koba et du Delta du Saloum.

Relativement peu d'auteurs se sont occupés spécifiquement des Cheiroptères du Sénégal, quoique la situation soit remarquablement en train de se modifier avec les travaux de ADAM & HUBERT (1972, 1976).

DORST (1959) signale dans la région de Richard Toll: *Scotophilus gigas, Pipistrellus ruppelli senegalensis, Tadarida limbata, Tadarida condylura, Tadarida Midas*.

AELLEN (1956) relève au Parc national du Niokolo-Koba: *Epomophorus gambianus, Micropteropus pusillus, Nycteris hispida hispida, Nycteris thebaica gambiensis, Rhinolophus alcyone, Hipposideros commersoni gambiensis, Hipposideros caffer guineensis, Hipposideros caffer tephrus, Eptesicus guineensis, Eptesicus minutus, Eptesicus rendalli, Scotophilus leucogaster leucogaster, Scotophilus nigrita nigrita, Tadarida condylura wonderi* et *Tadarida limbata websteri*.

Dans la région du Ferla, POULET (1972) indique *Rousettus aegyptiacus, Taphozous perforatus, Aselia tridens, Nycteris thebaica* et *Tadarida major*.

En basse Casamance, DUPUY (1973) signale *Eidolon helvum, Epomophorus gambianus* et *Nycteris gambiensis*.

Dans la région de Bandia, près de Dakar, ADAM & HUBERT (1972) indiquent six espèces nouvelles pour le pays: *Epomophorus anurus, Lissonycteris angolensis smithi, Rhinopoma microphyllum, Eptesicus tenuipinnis, Glauconycteris poensis,Glauconycteris variegata*, de même que *Pipistrellus rueppelli senegalensis, Hipposideros caffer guineensis* et *Hipposideros tephrus*. Les mêmes auteurs (1976) indiquent la répartition géographique de 5 *Nycteridae* au Sénégal, y compris *Nycteris grandis*.

Enfin, dans une récente publication, BOHME & HUTTERER (1978) signalent 11 espèces dans les diverses régions du Sénégal, principalement à l'ouest: *Epomophorus gambianus, Micropteropus pusillus, Nycteris macrotis, Nycteris gambiensis, Lavia frons, Rhinolophus guineensis, Hipposideros cyclops, Asellia tridens, Tadarida (Mops) condylura* et *Tadarida (Chaerephon) pumila*.

Plusieurs études ont été effectuées en Guinée; pour l'Afrique occidentale, le travail de ROSEVEAR (1965) reste l'outil de base. Pour l'Afrique centrale, l'étude ANCIAUX DE FAVEAUX (1975) est capitale.

En mai-juin 1975 et avril-mai 1 nous avons séjourné dans les Parcs nationaux du Niokolo-Koba et du delta du Saloum, les travaux étant axés sur des problèmes d'écologie et de conservation. Des récoltes et observations ont été effectuées en points de ces réserves naturelle, de même qu'à Dakar; ces observations pourront être utilisées lors de la mise au point d'une "faune" des Cheiroptères des Parcs. Quelques observations ont été effectuées aussi à Bamako, Mali, en mai 1977. Rappelons que le Parc national du Niokolo-Koba est situé en zone soudanienne dans l'est du et celui du delta du Saloum à la limite des zones soudaniennes et sahéliennes dans l'ouest du pays, mais sous climat subcanarien. Les récoltes sont conservées à l'Institut royal des Sciences naturelles de Belgique, Bruxelles.

Verschuren, J. (1986a). Notes d'écologie, principalement des mammifères, du Mont Nimba (Liberia).

Peu de régions de l'Afrique tropico-équatoriale ont été étudiées de façon aussi intensive par les naturalistes que le Mont Nimba. Jusqu'il y a deux décennies, ces travaux concernaient essentiellement le Nimba Guinéen, et dans une moindre mesure, Ivoirien. Les recherches étaient orientées principalement vers la Botanique, les Vertébrés inférieurs et les Invertébrés. Les études de LAMOTTE et de SCHNELL, de même que celles de plusieurs auteurs non cités ici, resteront longtemps des modèles du genre.

Cependant, depuis une quinzaine d'années, à l'initiative du "Nimba Research Committee", grâce à l'enthousiaste dynamisme de K. CURRY-LINDAHL, le Nimba Liberien a fait, lui aussi, l'objet d'études approfondies. Les publications sortent à un rythme accéléré. Pour le flore, il convient de citer les monumentaux travaux de J.G. ADAM. Une étude de base complète des Oiseaux est actuellement préparée par K. CURRY-LINDAHL. Concernant les Mammifères, on disposait d'excellentes informations sur la Guinée et la Côte d'Ivoire contigües. La liste globale de KUHN reste l'ouvrage de base pour les Mammifères de l'ensemble du Liberia. Notre collègue au Nimba Research Laboratory, le Dr. M. COE, a publié une remarquable étude exhaustive des Mammifères, orientée surtout au point de vue écologique.

L'auteur de cette note a séjourné au Nimba Liberien de novembre 1965 à mars 1966. Il a revu cette région en 1978-1979, dans le cadre d'une mission globale de promotion de la conservation au Liberia. Tout récemment, plusieurs auteurs, en particulier, ROBINSON, se sont occupés avec dynamisme des Mammifères du Liberia, mais pas spécifiquement du Nimba, à l'exception de l'équipe de HILL, qui s'est consacrée aux Cheiroptères. Les informations de K. CURRY-LINDAHL (comm. pers.) restent une mine de données précieuses.

Nos publications antérieures concernaient essentiellement les Insectivores (VERSCHUREN et MEESTER, 1977), les Rongeurs (MISONNE et VERSCHUREN, 1976) et lès Cheiroptères (VERSCHUREN, 1976. Il restait à examiner les autres groupes de Mammifères et à publier une synthèse des éléments de climatologie et d'écologie générale. Des remarques relatives à la Conservation trouvent également leur place ici. Par ailleurs, beaucoup d'éléments relatifs aux Mammifères "in globo" du Liberia sont

examinés dans une étude actuellement sous presse. Elle fait suite au rapport général de mission (1983), axé sur la Conservation. Les limites d'études de la zone reprise ici concernent essentiellement la partie Liberienne du Nimba (avec quelques pointes d'exploration en Guinée) et une région d'environ une dizaine de kms de large, sur le piedmont.

La base de travail était située au Nimba Research Laboratory, à Grassfield, dont les coordonnées sont les suivantes: Lat. N. 7°30', Long. W. 8°32'. Les explorations ont été effectuées à pied ou en véhicule tous terrains. Les moyens nécessaires logistiques et autres ont été mis à notre disposition par le Nimba Research Committee et la Société minière, LAMCO. Des régions forestières du Liberia, situées loin du Nimba, et qui ont été prospectées intensivement en 1978-1979, avaient déjà été visitées par l'auteur en 1965-1966 (Nord-Ouest et Centre-Est du pays).

Les données chronologiques de l'exploration 1965-1966 sont les suivantes:
11-16 novembre 1965: Monrovia.
16 novembre 1965 à fin mars 1966: exploration de la région du Mont Nimba, y compris, du 15 au 21 février 1966, avec K. CURRY-LINDAHL.
6 au 10 décembre 1965: exploration de la région de Mputu-Chien.
4 au 7 janvier: exploration des hauts sommets Guinéens.
26 au 27 février: exploration de la région de Zorzor-Voinjama.
15 au 17 mars: exploration de la région de Chien-Mputu.

Les recherches ont été poursurvies, après notre départ, par plusieurs naturalistes. Actuellement (1983), le laboratoire situé au pied de la montagne reste toujours fonctionnel, sous la supervision du technicien E. YALLAH. Celui-ci, accompagné de plusieurs collaborateurs, nous a accompagné durant tous nos déplacements.

Le laboratoire de Grassfield est situé dans une clairière herbeuse, d'origine édapho-anthropique, sur dalle latéritique. Il domine une petite galerie forestière intacte, sous-affluent de la rivière Yah (Bassin du St. John's river). Ce laboratoire avait constitué une des bases initiales de l'exploitation minière du mont Nimba.

Les collections de Mammifères, y compris quelques Primates et Pholidota, de même que la documentation iconographique, sont actuellement localisées à l'Institut royal des Sciences Naturelles de Belgique. Les peaux des grands Mammifères ont été conservées au Liberia. Les Batraciens récoltés ont été étudiés par M. LAMOTTE, à Paris.

Verschuren, J. (1988). Notes d'écologie, principalement des mammifères, du parc national de la Pendjari, Bénin.

Le Parc National de la Pendjari, entouré de plusieurs zones cynégétiques, s'étend sur 275.000 hectares dans le Nord du Bénin. Plus aux Nord encore, se trouve le Parc du W, d'environ 500.000 hectares. Ces unités protégées se continuent dans les pays voisins (Niger, Burkina Faso). L'auteur a séjourné pendant près de six mois au Bénin. en 1985, comme responsable du lancement d'un grand projet de conservation au Bénin, avec l'appui financier de la C.E.E. Il s'agissait d'une importante action pionnière de la C.E.E., suivie, depuis lors, par plusieurs autres interventions en Afrique. Sur base de ses observations et également de documents non publiés de divers spécialistes (GREEN et SAYER),l'auteur décrit le Parc de la Pendjari et examine les divers problèmes qui se posent, concernant le climat, l'eau et le feu, les milieux végétaux, la faune, en particulier celle des grands mammifères, les recensements, certaines actions anthropiques. Les grands mammifères ont été longtemps très braconnés mais les noyaux subsistant suffisent pour permettre une recolonisation de la plupart des habitats où domine la savane soudanienne, avec une très longue saison sèche et des pluies abondantes mais très localisées dans le temps. Le problème des eaux résiduelles en saison sèche est capital. Le Parc de la Pendjari constitue un des ultimes refuges pour l'éléphant de savane de l'Ouest de l'Afrique; il constitue également une des meilleures zones d'Afrique pour l'Antilope rouanne, *Hippotragus equinus*.

The Pendjari National Park, situated in N. Benin, is 275,000 hectares large and is surrounded by several cynegetic zones. The W-Park, still further north, has a surface of 500,000 hectares. Both protected areas are extending into the neighbouring countries (Niger, Burkina Fasso).

In 1985 the author spent six months in Benin, starting a large conservation project with the financial support of the E.E.C. It was an important pioneer action of the E.E.C., which was later followed by several other interventions in Africa.

On the basis of observations and of unpublished documents by different specialists (GREEN and SAYER), the author describes the Pendjari Park and considers sorne problems with relation to climate, water, fire, plant environments, fauna (especially large mammals), surveys and influence of man. Large marnmals have been severely affected by poachers, but viable groups still exist, allowing recolonisation of most of the habitats with soudanese savanna, characterized by a long dry season and by periodical heavy rainfall. The problem of residual water during the dry season remains a major one. The Pendjari Park is one of the last refuges for elephants of the W. African savanna, and one of the oost places in Africa for the roan antelope *Hippotragus equinus*.

Vielliard, J. (1974). Les chiroptères du Tchad.

Une petite collection de chauves-souris a été faite dans le bassin du Tchad entre novembre 1969 et janvier 1971 et a été déterminée avec l'aide de M. V. AELLEN. Les espèces suivantes sont signalées pour la première fois de la République du Tchad: *Micropteropus pusillus, Eptesicus rendalli, Eptesicus somalicus, Chalinolobus variegatus, Scotoecus hirundo, Tadarida nigeriae* et *Tadarida midas*. Une liste complète des Chiroptères du Tchad a été dressée en tenant compte des informations de la littérature et des collections du Muséum de Paris. Un total de 21 espèces seulement est reconnu. Les données disponibles sur chaque espèce sont discutées et des problèmes de systématique sont évoqués en particulier pour *Epomophorus anurus, Nycteris hispida. Eptesicus* spp., *Scotophilus* spp. et *Tadarida pumila*.

Eine kleine Fledermaus-Ausbeute aus Tschad würde in Zusarnmenarbeit mit V. AELLEN bearbeitet; folgende Arten werden erstmals aus der Republik Tschad gemeldet: *Micropteropus pusillus, Eptesicus rendalli, E. somalicus, Chalinolobus variegatus, Scotoecus hirundo, Tadarida nigeriae* und *T. midas*. Unter Berücksichtigung der Literatur und der Sammlung des Museums Paris wird rine vollständige Liste der Fledermäuse von Tschad zusamrnengestellt; die insgesamt nur 21 Arten urnfasst. Die erhältlichen Daten über jede Art werden diskutiert, auf systematische Probleme wird besonders bei *Epomophorus anurus, Nycteris hispida, Eptesicus* spp., *Scotophilus* spp. und *Tadarida pumila* hingcwiesen.

In collaboration with V. AELLEN, the author identified a small rnaterial of bats, collected in Tchad between novernber 1969 and january 1971. The following species are recorded for the first time from this area: *Micropteropus pusillus, Eptesicus rendalli, E. somalicus, Chalinolobus variegatus, Scotoecus hilrundo, Tadarida nigeriae*, and *T. midas*. A complete list of bats, known from the Republic of Tchad is given, comprising only 21 species. The available informations of each species are discusscd, systematic problems are pointed out particularly for *Epomophorus anurus, Nycteris hispida, Eptesicus* spp., *Scotophilus* spp., and *Tadarida pumila*.

Vivier, L. and M. Van der Merwe (1996). Reproductive pattern in the male Angolan free-tailed bat, *Tadarida (Mops) condylura* (Microchiroptera: Molossidae) in the Eastern Transvaal, South Africa.

The reproductive pattern in male Angolan free-tailed bats *Tadarida (Mops) condylura* was studied at two localities in the Eastern Transvaal during the period 1989 - 1991. Males displayed a nine-month breeding season extending from June to February. Following testicular recrudescences in early June, spermatogenic activity displayed two periods of peak activit in August/early September and

November/early December. Although testes became involuted in March, baseline spermatogenic activity was maintained and testes never regressed to preputertal conditions. Leydig cell morphology closely followed spermatogenic activity, with the diameter of Leydig cell nuclei displaying a concomitant seasonal pattern.

Vogel, P. (1977). Neue Nachweise der *Rhinopoma hardwickei* (Chiroptera) aus Westafrika.

Neue Funde der Fledermaus *Rhinopoma hardwickei* aus dem Niger aktualisieren das Problem der subspezisehen Zuordnung des bereits bekannten Nigermaterials. Ferner wird die Art erstmals für die Republik Mali nachgewiesen.

From Mali, the first record of the bat *Rhinopoma hardwickei* is communicated. From Niger, new data of the same bat actualise the problern of subspecific rank of older material from this country.

Volleth, M. and K.-G. Heller (1994). Phylogenetic relationships of vespertilionid genera (Mammalia: Chiroptera) as revealed by karyological analysis.

Banded karyotypes of 50 species belonging to 23 genera were analyzed. The diploid chromosome numbers ranged from 26 to 50. For karyotypic comparison we used a 44 chromosomes karyotype, consisting of 4 metacentric and 17 acrocentric autosomes, as "basic karyotype". Almost all of its 25 autosomal arms could be identified in each individual karyotype. In 8 chromosomes, i. e. 1/2, 7, 11, 12, 13, 15, 23 and X, small inversions were detected. As a result, each of the chromosomes mentioned occurs in two states which differ slightly in their banding patterns. These were used as character states in the cladistic analysis together with other chromosomal rearrangements.

The implications drawn from the cladogram obtained are: The Miniopterinae clearly belong to the Vespertilionidae but are the first to branch off from the common stem. The tribe Myotini should be raised to the rank of a subfamily. Within the largest subfamily Vespertilioninae, one autapomorphic chromosomal character was found for each of the tribes Vespertilionini and Pipistrellini. In addition, both tribes are distinguished from the other Vespertilioninae tribes by two svnapomorphic features. These results allow for the first time an unequivocal classification of the systematically difficult "pipistrelloid" species. The species of the genus *Pipistrellus* (sensu HILL and HARRISON 1987) are spread over the Pipistrellini and Vespertilionini. We therefore suggest the splitting of this heterogenous genus into at least four genera. Only the members of the previous subgenus *Pipistrellus* constitute the genus *Pipistrellus* and belong to the Pipistrellini. The previous subgenera *Hypsugo, Vespadelus* and *Falsistrellus*, given generic rank in some recent studies, belong to the tribe Vespertilionini and are not closely related to *Pipistrellus*. For the genera *Eptesicus* and *Hesperoptenus*, which belong neither to the Vespertilionini nor to the Pipistrellini, the tribe Eptesicini was established. The phylogenetic relations of this tribe and the status of the presumably polyphyletic tribe "Nycticeiini" could not be solved.

Wallin, L. (1969). The Japanese bat fauna. A comparative study of chorology, species diversity and ecological differentiation.

The aim and arrangement of the study are presented in section I, the introductory section. A summary description is given of the areas investigated during the author's field studies in Japan.

In section II, the taxonomical section, a description, with data on distribution and bionomy, is given of each of the 29 forms (25 species) occurring in Japan.

Hypsugo Kolenati is re-established as a subgenus for *Pipistrellus savii*. The genus *Vespertilio* is divided into a *murinus* group and a *superans* group. Two new forms are described: *Vespertilio orientalis* and *Vespertilio rnurinus ussuriensis* (the latter is extra-limital to Japan). *Vespertilio namiyei*

is considered to be a synonym of *V. superans*. The taxonomy and nomenclature of other forms are discussed (of especially *Rhinolophus ferrumequinum nippon, R. cornutus pumilus, Myotis formosus, M. capaccinii macrodactylus, Eptesicus nilssoni japonensis*, and *Tadarida teniotis*).

In section III, the general section, comparative analyses of species diversity (subsection 0) and ecological differentiation (subsection D) are given. Background information for this main item will be found in the subsections on regional climate (subsection A) and chorology (subsection B).

A comparison is made of the climate of Japan and that of the western part of the Palaearctic region. The range in temperature between the northern and southern parts of Japan corresponds to that in western Europe between Scandinavia and the Mediterranean. There is thus a southerly depression and concentration of the isotherms over Japan, compared with the western part of the Eurasian continent. The amplitude of the annual variation of temperature is similar in Japan and Scandinavia.

The steep gradient in the temperature conditions in Japan is reflected in the occurrence of both tropical (Megachiroptera) and boreal (*Plecotus auritus, Eptesicus nilssoni*) elements.

The precipitation is ampler in Japan than in western Europe. Large areas of dry-ground vegetation are lacking in Japan. Bat groups (for example, Rhinolophidae) frequently occurring in such habitats are poorly represented in Japan, as compared with Europe as a whole.

Other consequences of the relatively moist climate in Japan are presumably the exposed roosting habtts of several Japanese bat species (for example, *Vespertilio orientalis, Murina aurata* and *M. leucogaster*).

Four groups of faunal elements are recognized: endemic forms (9), northerly Palaearctic forms (8), southerly Palaearctic forms (10), and Oriental forms (2).

The relation between the Japanese bat fauna and that of the western Palaearctic region is analyzed in a survey of the chorology of the Palaearctic bat species. A numerical method is applied, giving a quantitative expression for the faunistic congruence of regions (index of faunistic congruence).

The "relative endemism" gives a numerical expression of a hypothesis about the dispersal centre (India and Indo-China) for the bat forms on the Eurasian continent.

Within each of three phytogeographical zones (subtropical, temperate and boreal) the following habitat zones are recognized: original forests, secondary forests, the cultivated landscape, transitions between open fields and forests, urban habitats, lentic habitats and lotic habitats. Short descriptions of the different habitat zones are given, together with a list of the bat forms occurring in them.

A general feature of species diversity is illustrated by the regression for the logarithm of the number of species and the logarithm of the area of the compared regions. An increasing species diversity towards the south is superimposed on this regression.

Japan is found to be comparable with central and southern European countries with respect to species diversity when the area-dependent species diversity is taken into account.

A regression for the number of endemic species and the total number of species within different regions on the Eurasian continent is demonstrated.

The distributions of the bat species in different hunting habitats in Japan and Europe are compared.

A comparison of the differentiations within the bat faunas of Japan, Europe, Scandinavia and Garamba (Africa) is made with the aid of a classification of types of roosts and behaviour at the roost.

The strongly anthropophile tendency of bats in northern Europe is not found in Japan. Only one species (*Pipistrellus abramus*) is predominantly house-dwelling there. The increasing synanthropism towards the north in Europe seems to have no counterpart in Japan. The differences in the climates, the milieu structure in the cultivated landscapes, and the architectures of the two regions are suggested as some of the reasons for this difference in habitat selection by the bats

Warner, J. W., J. L. Patton, A. L. Gardner and R. J. Baker (1974). Karyotypic analyses of 21 species of molossid bats.

Examination of 135 specimens representing 21 species from seven genera of the family Molossidae revealed diploid numbers ranging from 34 to 48. Seventeen species from six genera have diploid numbers of 48. Geographic variation and polymorphism were found only in *Eumops glaucinus*. Chromosomal variation within the family is presumed to be primarily due to changes in diploid number resulting from Robertsonian translocations.

Wassif, K. and G. Madkour (1963). Studies on the osteology of the rat-tailed bats of the genus *Rhinopoma* found in Egypt.

The genus *Rhinopoma* is represented in Egypt by the species *hardwickei* and *microphyllum*. Of the two species *hardwickei* is the more common and has, therefore, been used to show the type of organisation found in an insectivorous bat. The Skeletal differences between the two species have also been studied.

Careful review of the literature reveals that the amount of work dealing with the osteology of insectivorous bats and of *Rhnlopoma* in particular is very fragmentary. Thus, Anderson (1902) very briefly described the skull of *Rhinopoma microphyllum*. Thomas (1903) referred to cranial differences bewteen the two species. Miller (1907) wrote on the cranial and dental characters of the genus *Rhinopoma*. Wassif (1946 & 1948) described the tympanic region of *Rhinopoma microphyllum* and Garg (1955) described the orbito-temporal region in the skulls of *Rhinopoma h. hardwickei*, and *Rhinopoma kinneri* from Ajmer.

Wassif, K. and G. Madkour (1970). The structure of the hyoid bone, larynx and upper part of trachea in some Egyptian bats.

The structure of the hyobranchral skeleton of vertebrates has received considerable atlention frorn anatomists since the early work of Meckel (1829), Rathke (1832), Richer (1832), Saint-Hilaire (1832) and Owen (1866). Blainville (1841) described and figured the hyod apparatus of a large number of mammals including ..res species of *Pteropus*. Max Weber (1927) described … the hyoid region of *Rhinolophus hipposideros*. Soragues (1943) studied the hyoid apparatus and the muscles connected to it in placental mammals with special reference to bats. He described twenty three species of the Megachiroptera and twenty two species of the Microchiroptera. The species of Microchiroptera described by Sprague (1943) included *Rhinopoma micrcohyllum, Taphozous nudiventris, Nycteris aethiopica, Rhinolophus euryotis*. Romankowowa (1963) made a cornparative studv of the skeleton of the hyoid apparatus in Polish species of bats including *Rhinolophus hipposideros, Myotis myotis, Myotis mystacinus, Myotis dasycneme, Myotis daubentoni, Eptesicus serotinus, Nyctalus noctula, Pipistrellus pipistrellus* and *Plecotus auritus*.

Wassif, K. and G. Madkour (1971). The wing skeleton in Egyptian bats (Microchiroptera).

Brief descriptions of the fore-limb bones of bats appeared in the works of Dobson (1878) and Miller (1907). Greene (1931) studied the development of the carpal bones of *Tadarida* and Romankowowa (1961) described the sesamoid bones of the limbs of bats belonging to the genera *Rhinolophus, Plecotus, Barbastella* and *Myotis*. Wassif and Madkour (1970) described the wing phalanges of Egyptian bats belonging to the genera *Rhinopoma, Taphozous, Nycteris, Rhinolophus, Asel ia, Pipistreltus, Otonycteris, Plecotus* and *Tadarida*. Vaughan (1970) spoke of the characteristics of the skeleton in bats and Walton and Walton (1970) wrote on the post-cranial osteology of bats. Felten *et*

al (1973) carefully described the distal part of the humerus in European bats and used it in the identification of the different genera and species.

Bat skeletons may be found in caves and ancient tombs and it is hoped that this illustrated account of the wing skeleton in Egyptian bats can be used as an aid in the identification of such fragments.

Wassif, K. and G. Madkour (1972). The structure of the os penis in Egyptian bats (Microchiroptera).

The os penis has been studies in 13 species of bats belonging to seven families of the suborder Microchiroptera. The bone was found to be variously developed in the different species. It is very small in both species of *Taphozous* (Emballonuridae) and of *Tadarida* (Molossidae). The os penis in the four species is a minute spicule in which there is no differentiation between a basal plate and a style. In *Rhinopoma* the two species studied show a moderately developed baculum in which the basal plate is sharply demarked from the style. In all cases the differences between different species of the same genus are, in general, size differences. Larger species possess larger bacula.

The Vespertilionidae show a variety of structure. The least developed baculum is that of *Plecotus austriacus* and the largest is that of *Otonycteris hemprichi*. *Pipistrellus (Scotozous) rüppelli*, which is of the size of *P. kuhli*, has a baculum more than twice as large as that of *kuhli*. They are both built on the same general plan.

In *Rhinolophus clivosus* (Rhinolophidae) the os penis is very large and tongue-shaped. In *Asellia tridens* (Hipposideridae) it is anchor- shaped, while in *Nycteris thebaica* (Nycteridae), it is racket-shaped, with a long style.

Wassif, K., G. Madkour and S. Soliman (1984). Fauna and Flora of Egypt. 1. On a collection of bats from Egypt.

The present collection includes some 1097 specimens of bats of which 693 specimens are in the form of skins and skulls (S+S') and 404 specimens are preserved in 70 % alcohol (Alc.), besides skeletons of dissected bats. The specimens were collected from the following localities:
Cairo-Giza area
Western Desert
Oases of Siwa, Kharga, Dakhla, Bahariya and Farafra
Wadi Natroun and Faiyum
El Arish in North Sinai
Feiran and St. Katherine in South Sinai
Luxor and Aswan in Upper Egypt.

The specimens were identified to the species level, because of the lack of collections from other localities to compare with the present specimens. The collection includes the following species:

Fam. Pteropodidae
1. *Rousettus aegyptiacus* E. Geoffroy, 1810
Fam. Rhinopomatidae
2. *Rhinopoma microphyllum* Brunnich, 1782
3. *Rhinopoma hardwickei* Gray. 1831
Fam. Emballonuridae
4. *Taphozous perforatus* E. Geoffroy, 1818
5. *Taphozous nudiventris* Cretzschmar, 1831
Fam. Nycteridae
6. *Nycteris thebaica* E. Geoffroy, 1818
Fam. Rhinolophidae T. Bell. 1836
7. *Rhinolophus clivosus* Cretzschmar. 1828
8. *Rhinolophus hipposideros* Heuglin. 1861

Fam. Hipposideridae G. S. 1-1ille r, 1907
9. *Asellia tridens* E. Geoffroy, 1813
Fam. Vespertilionidae
10. *Pipistrellus kuhli* Kuhl, 1819
11. *Pipistrellus rüppelli* Fischer, 1821
12. *Eptesicus innesi* Lataste, 1887
13. *Otonycteris hemprichi* Peters, 1859
14. *Plecotus austriacus* Gray, 1838
Fam. Molossidae
15. *Tadarida aegyptiaca* E. Geoffroy, 1818
16. *Tadarida teniotis* Temminck, 1826

The single specimen of *Eptesicus innesi* collected from Abu Rawash in August 1948 is the third known specimen of this rare bat. According to Flower (I932) Dr. Walter Innes, formerly curator of the Zoological Museum at the School of Medicine in Cairo, about the year 1885 obtained two specimens, a male and a female, in a house in Cairo. These were described by Lataste (1885) as *Vesperugo innesi*. One of the specimens is now, preserved in spirits, in the British Museum, the other is said to be in the Genoa Museum.

According to Sanborn and Hoogstraal, the bats they collected from Egypt belong to the following species and subspecies:

Rousettus aegyptiacus aegyptiacus,
Rhinopoma hardwickei cystops,
Rhinopoma microphyllum,
Taphozous perforatus perforatus,
Taphozous (Liponycteris) nudiventris,
Nycteris thebaica thebaica,
Rhinolophus clivosus clivosus,
Rhlnolophus clivosus brachygnathus,
Rhinolophus mehelyi,
Rhinolophus hipposideros minimus,
Asellia tridens tridens,
Plecetus auritus christiei,
Otonycteris hemprichi hemprichi,
Pipistrellus kuhli kuhli,
Tadarida teniotis rüppelli,
Tadarida aegyptiaca aegyptiaca

Gaisler, Madkour and Pelican (1972) reported on 236 specimens of bats which they collected from Egypt during April-May 1969. *Pipistrellus deserti* collected from Luxor in April 1969 is a new addition to the bat fauna of Egypt. Since it was not previously reported from that country. The authors distinguished two subspecies of *harwickei* namely, *Rhinopoma hardwickei sennaariense*, and *Rhinopoma hardwickei cystops*. *Plecotus auritus* of previous authors was referred to as *Plecotus austriacus christiei*. The subspecies of *Pipistrellus kuhii* was found to be *marginatus*. From the Zoogeographical point of view they found that most ol the bat species found in Egypt (76.2 %) are Palaearctic forms. The remaining (23.8 %) are Ethiopian species.

Watson, J. P. (1998). New distributional records for three microchiropteran bats (Vespertilionidae, Rhinolophidae) from the Free State Province, South Africa.

Distributional data on three microchiropteran species (*Myotis lesueuri* (Roberts, 1919), *Eptesicus hottentotus* (A. Smith, 1833) and *Rhinolophus denti* Thomas, 1904), recorded in the Free State Province for first time, are presented. In all three cases these comprise range extensions for the species.

Wickler, W. and U. Seibt (1976). Field studies on the African fruit bat *Epomophorus wahlbergi* (Sundevall), with special reference to male calling.

Social interactions, site attachment and group cohesion were studied in a free-living colony of *Epomophorus* fruit bats. Daily activities in an undisturbed colony were recorded. Special attention was paid to the peculiar calling behaviour of courting ?? during the night. Structure and repetition rate of their sounds were analyzed in the laboratory. A special mode of acoustic interaction was found and related to the observed spacing out of calling ?? By following feeding animals in the field and by analysis of their faeces we found that besides fruits they eat special leaves which afford steroidal sapogenins

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Widmaier, E. P. and T. H. Kunz (1993). Basal, diurnal, and stress-induced levels of glucose and glucocorticoids in captive bats.

Plasma levels of glucocorticoids and glucose were measured in three species of fruit bats (Chiroptera) sampled from captive populations. Three species of Old World bats (*Pteropus vampyrus, P. Hypomelanus*, and *Rousettus aegyptiacus*) had plasma levels of glucose that were within the normal mammalian range (80-100 mg/dl), with no difference between males and females. All animals had detectable levels of one or both of the major glucocorticoids (cortisol and corticosterone) found in mammals. Steroid levels were highest in *P. hypomelanus* (cortisol: 1,269 ± 207 ng/ml; corticosterone; 590 ± 154 ng/ml) and lowest in *R. aegyptiacus* (corticosterone: 36 ± 4 ng/ml; cortisol not determined). Diurnal changes in these steroids and the effects of handling and restraint stress were further investigated in *P. hypomelanus*. Experimental animals were captured in their roost quarters, bled once by venupuncture within 3 min, placed singly into a small holding chamber for 50 - 60 min, and bled again. This procedure was performed at four different times over the course of 24 h with different groups of animals. Glucose was at a minimum just before and a maximum just after the period of food presentation. Cortisol levels remained relatively constant throughout the day-roosting period and significantly declined to their lowest level in the period following food presentation. As expected, the effects of handling and isolation caused a significant increase in both plasma cortisol and glucose levels. When individual *P. hypomelanus* were subjected to 3 h restraint stress in small plastic wire-mesh restraining devices, cortisol levels rose approximately 800 % by 2h, with the first significant increase at 20 min. Thus, effects of sampling time (time of day) on plasma levels of cortisol and glucose should be considered when designing field and laboratory studies in which hormones and other blood borne parameters are being measured. Handling and bleeding times that exceeded 3 min were associated with elevated plasma levels of cortisol and glucose above resting (unstressed) levels, suggesting that field and laboratory protocols should be designed to reduce or eliminate this problem. Finally, the exceptionally high levels of plasma corticoids in *P. hypomelanus*, and to a lesser extent in *P. vampyrus*, place these bats among the highest known circulating adrenal steroid levels of all mammals.

Wilson, V. J. (1975). Mammals of the Wankie National Park, Rhodesia.

The object of this Survey was to produce a check list of the mammals occurring in the Wankie National Park, Rhodesia, to show their distribution within the Park, to present information on the habitat in which they were found to occur, their habits, the time of the year at which the young are born, predation, food and feeding habirs and such other information as might contribute to their better understanding.

As far as is practical the data presented are based on material handled during the Survey and now in the collection of the National Museums & Monuments of Rhodesia, including fringing records made during the Botswana Mammal Survey (Smithers, 1971) along the western border of the Park or gleaned from a number of smaller collections made by staff members of the Museums from about 1950 onwards.

The first systematic collecting of small mammals in the Park was undertaken by Mr. P. Wright during 1967 and 1968. The writer has incorporated the data accompanying Wright's collection, amounting to 130 specimens, in the present work.

In addition a number of specimens have been collected within recent years by the Research Staff of the Department of National Parks and Wildlife Management which are now in the National Museum collection.

While the larger mammals occurring are well known, some having been studied in detail by members of the Department of National Parks, very little is known about the wide range of smaller species which constitute by far the larger proportion of the mammals which occur. Special emphasis was, therefore, placed on the collection of these smaller species, the information presented on the larger being based, in the main, on visual observations obtained during the course of the survey; from unpublished records in the files of the Department of National Parks; or from members of the Department stationed in the Park. Where culling operations had to be undertaken by the Departrnent , the opportunity was taken to recover material and data, otherwise no larger species were collected during the survey.

The field work continued over a two-year period from August 1969 to June 1971. During this time, in addition to the daily routine, 141 nights were spent in observation and collecting of small nocturnal species which cannot normally be contacted during daylight hours.

Throughout the text reference to "record" or "recorded" indicates that material is available to support the statement. Where visual records are used, owing to the doubts which so often arise with this type of record, they are clearly designated.

The Wankie National Park is the premier wildlife conservation area in Rhodesia. It is important, therefore, that we have a knowledge of the presence of species other than those which the visitor may see, for it is the whole spectrum of wildlife that is being conserved not just the species that are large and conspicuous.

It is hoped that this paper will draw attention to the wide range of smaller, yet none the less interesting, mammalian species which occur.

The survey was undertaken by the National Museums and Monuments of Rhodesia at the request of the Department of National Parks and Wildlife Management and I should like to acknowledge the co-operation and assistance I have had from the Department, in particular its research branch and the many field officers, who have assisted me to whom due acknowledgement is made in the appropriate section of this report.

Wingate, L. R. (1978). The life history and population dynamics of six species of bats inhibiting a deserted mine tunnel in Natal, South Africa.

The life history and of six of Microchiroptera (*Nycteris thebaica, Rhinolophus clivosus, R. simulator, Hipposideros caffer, Myotis tricolour* and *Miniopterus schreibersi* roosting in Doornhoek mine tunnel, 16 km east of Pietermaritzburg, was investigated for two years. Doornhoek is a maternity colony for *R. clivosus* and *M. tricolour*; a winter roost for *M. thebaica* and *R. simulator* females; while *R. simulator* males are present throughout the year. Up to 30 *H. caffer* are present sporadically, while a few *M. schreibersi* males are sometimes seen during mid-summer. The tunnel was also used as a transitory roost by *M. schreibersi* during late spring migratory movements.

Wolton, R. J., P. A. Arak, H. C. J. Godfray and R. P. Wilson (1982). Ecological and behavioural studies of the Megachiroptera at Mount Nimba, Liberia, with notes on Microchiroptera.

Au cours d'une étude des Mégachiroptères de la partie libérienne du Mont Nimba faite entre juillet et septembre 1978, on a capturé 1007 individus annartenant à neuf espéces, presque exclusivement à l'aide de filets japonais. On a échantillonné dans une grande variété d'habitats et d'altitudes différentes.

Des informations sur les Mégachiroptères sont maintenant à notre disposition pendant presque toute l'année au Mont Nimba; beaucoup de celles-ci sont présentées et analysées ici. Les donnees sur la reproduction et l'habitat ont été regroupées et discutées pour chaque espèce. Une attention particulière a été accordée aux mouvements des chauves-souris; *Nanonycteris veldkampi* migre au Nimba. Beaucoup de chauves-souris ont été marquées et relâchées, mais pour de nornbreuses stations le taux des recaptures est resté très bas. Les méthodes par lesquelles les ressources peuvent être réparties entre les espèces sont discutées.

Six espèces ont été gardées au laboratoire pour perrnettre des observations sur: (a) le comportement de préhension de la nourriture, (b) la consomrnation nocturne de nourriture et (c) les types d'activité. Pour plusieurs espèces la concordance entre les activités au laboratoire et dans la nature est bonne. Un intérêt particulier a été accordé au comportement du rare *Scotonycteris ophiodon*.

En supplément, 280 Microchiroptères appartenant à 10 espèces ont été capturés, 6 d'entre elles sont nouvelles pour le Liberia. De courtes notes sont données sur chacune.

Les notes taxonomiques pour les espèces qui présentent un intérêt particulier sont dues à Hill (1982).

A study of the Megachiroptera of Liberian Mount Nimba was made between July and September 1978. 1,007 fruit bats of nine were captured, almost exclusively with mist nets. A wide range of habitats and altitudes was sampled. Inforrnation on Megachiroptera is now available for nearly the whole year at Mount Nimba: much of this information is presented and analysed here. Breeding and habitat information has been assembled for each species. Attention has been given to bat movements; *Nanonycteris veldkampi* is a migrant to Nimba. Many bats were marked and released, but for a variety of reasons the recapture rate was very low. Methods by which resources may be partitioned amongst species are discussed.

Six species were kept in the laboratory to allow observations on (a) food handling and settling behaviour, (b) nightly food consurnption and through-put times, and © temporal patterns of activity to be made. Agreement between laboratory and field investigations of activity patterns is good for several species. Particular attention was paid to the behaviour of the rare *Scotonycteris ophiodon*.

In addition, 280 Microchiroptera of 16 species were caught. 6 of these are new to Liberia. Short notes have made for each.

Taxonomic notes for species of particular interest are provided by Hill (1982).

Woodman, N. (1993). The correct gender of mammalian generic names ending on *-otis*.

Mammalian generic names ending in *-otis* include *Cloetis, Cryptotis, Dolichotis, Laephotis, Macrotis, Myotis, Pharotis*, and *Phyllotis*. In the literature many of these names currently are associated with a combination of feminine, masculine, and neuter adjectival species names, in violation of the Code of Zoological Nomenclature. These generic names are feminine in gender, and the species names with which they are combined must be corrected appropriately.

Wroughton, R. C. (1906). On some mammals collected by Mr. Robin Kemp in S. Nigeria.

The Natural History Museum has recently received a small collection of mammals made by Mr. Robin Kemp in S. Nigeria. As the geographical region is an interesting one and the collection contains several forms sufficiently distinct to merit separate names, a short account of it may be acceptable.

Yalden, D. W. and M. J. Largen (1992). The endemic mammals of Ethiopia.

Species which are endemic to just one country add a particular interest to its fauna, and represent a special conservation requirement and concern.

Often, endemicity is associated with particular faunal regions or habitat types which, in continental areas at least, rarely coincide with our rather arbitrary political divisions, so that the countries which we recognize are rarely characterized by endemic species. Of the 247 mammals listed for Nigeria (Happold, 1987), probably none are endemic; even the most localized species occur also in Cameroon, and the majority are distributed throughout West Africa because their habitats are extensive east-west belts of vegetation [*Crocidura longipes* is at present only known from Nigeria]. Similarly, the Somali-arid zone, which is rich in endemics, covers much of Somalia, but extends into eastern Ethiopia and northern Kenya, while the Ruwenzori mountain area also contains numerous endemics (e.g. Hutterer, Van der Straeten & Verheyen, 1987), but includes parts of Zaire, Burundi, Uganda and Rwanda.

Ethiopia is one country where a major habitat block, having a high degree of endemicity in both fauna and flora, is contained within political boundaries. This account reviews the status and distribution of the 30 mammals which are currently believed to be endemic to Ethiopia

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Yalden, D. W., M. J. Largen, D. Kock and J. C. Hillman (1996). Catalogue of the mammals of Ethiopia and Eritrea. 7. Revised checklist, zoogeography and conservation.

This review of the Ethiopian and Eritrean mammal fauna recognises provisional totals of 277 terrestrial and 11 marine species. The terrestrial fauna is dominated by savanna forms (47.2 % of the total), most of which are widespread but with significant numbers being derived from either the East African savannas or the sub-Saharan savanna belt. Deserticolous species (16.2 %) include many which are clearly associated with the Somali-arid zone. The 29 endemics are almost exclusively confined to the central plateaux at altitudes in excess of 1800 m and most are denizens of grassland or moorland habitats; few are forest species. Sylvicolous mammals are equally poorly represented amongst non-endemic forms (6.5 %) and it is concluded that Ethiopian forests have an impoverished fauna compared with those of Uganda and Zaire.

Conservation of wildlife, perennially starved of resources, has suffered greatly from neglect, poaching and destruction of property during the political crises of recent years. This situation is not irredeemable, given the return of peace and some measure of prosperity. If the region's actual and proposed national parks were to be fully established and effectively administrated, the have the potential to provide sanctuary for 210 (76 %) of the terrestrial mammals, including all but five of the endemic species (one shrew and four rodents). Amongst largers mammals which are unprotected, the apparently precarious situation of the Dibatag (*Ammodorcas clarkei*) gives particular cause for concern.

Yom-Tov, Y., M. Cohen and Z. Wollberg (1990). On the possible function of the anterior cornu in the Microchiroptera.

We measured the size of the ossified anterior cornu (the hyoid arch) of 10 species of microchiropteran bats belonging to 5 familes. We found that it is long and articulated in nasal emitters (Rhinolophidae, Hipposideridae and Nycteridae) and short and unarticulated in mouth emitters (Vespertilionidae and Molossidae). There is, apparently, also a positive relationship between the relative size of the "free" hyoid (the part not attached to the bulla) and the frequency of the bats' calls during searching (CF calls). We suggest that the function of the attachment of the hyoid bones to the bulla is to trigger the acoustic reflex. In addition, its function in nasal emitters is to raise the pharynx towards the nasopharynx during sound production.

La tail le de la corne antérieure ossifiée (l'arc hyoide) de 10 espèces de Microchiroptères appartenant à 5 familles a été mesurée. Ces mesures montrent qu'elle est longue et articulée chez les chauves-souris dont les émissions sont nasales (Rhinolophidae, Hipposideridae, Nycteridae), courte et non articulée chez celles dont les émissions sont buccales (Vespertilionidae, Molossidae). Il semble aussi

exister une relation positive entre la taille relative de la partie libre de l'hyoïde (la partie non attachee a la bulle) et la frequence des cris ernis par les chauves-souris au cours de leur chasse.

La fixation des os hyoïdes à la bulle pourrait avoir pour fonction de provoquer le réflexe acoustique. En plus, chez les chauves-souris qui ont une émission nasale, son role est d'elever le pharynx vers le nasopharynx au cours de la production de sons.

Yoon, M. H. and T. A. Uchida (1983a). Identification of recent bats belonging to the Vespertilionidae by the humeral characters.

With the finding of many humeri of fossil bats on the Akiyoshi-dai Plateau in recent years, the investigation was carried out to determine whether bats can be classified to the species level by the humeral characters alone. Using the humeri of 23 recent species and 4 subspecies belonging to 9 genera of the Vespertilionidae including 3 subfamilies, keys based on humeral characters to various taxa from subfamily to species enabled us to identify to the species level. Furthermore, not only the functional significance of the humeral morphology but also the adaptation of bats for flight within each taxon were discussed the higher the bat was in the degree of adaptation for flight, the lower th e DW/˙W ratio (the ratio of the distal epiphysis width to the proximal one) was. Consequently, it became clear that the ratio is one of the most important criteria exhibiting directly the degree of adaptation. Taking also the wing-type ratio (the third finger to the fifth one); into consideration the adaptabiliyv for flight in bats can be estimated more exactly.

Yoon, M. H. and T. A. Uchida (1983b). Identification of recent bats belonging to the Rhinolophidae by the humeral characters.

Humeral characters of eleven recent species and one subspecies belonging to three genera of the Rhinolophidae including two subfamilies were described. A key provides for their identification as well as the identification of the fossil bats found on the Akiyoshi-dai Plateau. Further, we discussed differences in the adaptability for flight of the bats not only within each taxon of the family but also between the phylogenetically less advanced Rhinolophiae and the more advanced Vespertilionidae, taking the value of DW /PW (the ratio of the distal epiphysis width to the proximal one) and the wing-type ratio (the third finger to the fifth one) into consideration. In consequense, as a rule, the more the bat was in a phylogenetically high position, the more the adaptability for flight was high.

Yoshiyuki, M. (1995). Two rare species of the bats *Trienopus rufus* and *Mormopterus jugularis* (Mammalia, Chiroptera) from Madagascar.

Madagascan red trident bat, *Triaenops rufus* of the Hipposideridae and Peter's wrinkled-lipped bat, *Mormopterus jugularis* of the Molossidae are the endemic species in Madagascar. The material of these species have been few until present time. The present paper describes the external, cranial and dental characters of these imperfectly known species.

Young, R. A. (1975). Aging criteria, pelage colour polymorphism and moulting in *Rhinolophus megaphyllus* (Chiroptera) from south-eastern Queensland, Australia.

Plusieurs colonies de *Rhinolophus megaphyllus* ont été étudiées et marquées dans le sud-est du Queensland de 1970 à 1974. Les classes d'âge ont stabilés d'après des critères de reproduction, de morphologie et d'usure des dents. Les males atteignent la maturité sexuelle au début de leur deuxième année d'âge et les femelles dans la deuxième ou troisième année. Dans le Queensland, *R. megaphyllus* est polytypique et présente un dimorphisme sexuel en rapport avec la teinte de son pelage. Plusieurs hypothèses sont envisages pour expliquer ce polytypisme de couleur et le dimorphisme sexuel chez cette espèce.

Several colonies of *Rhinolophus megaphyllus* in south-eastern Queensland were studied by means of a mark-recapture method during the years 1970 to 1974. Age classes were established using reproductive, morphological, and molar tooth wear criteria. Males become sexually mature early in their second year and females in their second or third year. In Queensland, *R. megaphyllus* is polymorphic and sexually dimorphic with respect to pelage colour. In Queensland, rufous, grey and intermediate pelage colour phases occur in many populations, but only the grey phase has been recorded in New South Wales and Victoria. The rufous and grey colour phases appear to be the result of two different genetically controlled pigmentary systems, with intermediate pelage colours attributable to moulting and aging of the new fur. Bats with grey pelage always remain grey, but the rufous morph undergoes colour changes that vary according to age and sex. An incomplete juvenile moult occurs in many individuals. Several hypotheses are suggested to explain pelage colour polymorphism and sexual dimorphism in *R. megaphyllus*.

Zeller, U. (1984). Zur Kenntniss der Stimmapparates des Epauletten-Flughunde (Epomophorini, Pteropodidae, Megachiroptera).

Courting males of *Epomopborus, Epomops* and *Hypsignathus* emitt loud calls attracting estrous females. Studied were the organs of vocalization of a male *Epomophorus labiatus* and of a female *Epomophorus anurus* as well as male and female *Epomops buettikoferi* and *Hypsignathus monstrosus* with special emphasis on the topography of the neck and of the thoracic cavity. Compared to other Megachiroptera the larynx of the three genera is enlarged, however, to a quite different degree. *Epomophorus* is close to the supposed ancestral condition. The larynx is situated in the caudal half of the neck. There is no sexual dimorphism in the size of the larynx. The males of *Hypsignathus monstrosus* possess a huge larynx reaching caudally to the diaphragm and nearly filling up the upper and middle mediastinum. The larynx of the females is much smaller reaching only behind the manubrium sterni. *Epomops* is intermediate between *Epomophorus* and *Hypsignathus*. The male's larynx is larger than that of *Epomophorus* and partially situated in the thoracic caviry. In *Hypsignathus* the larynx enters the thoracic cavity ventrally, but in *Epomops* dorsally of the heart. To reach the bifurcation the trachea is curved cranio-dorsally in *Hypsignathus*, but cranio-ventrally in *Epomops*. The different topography of the thoracic organs dernonstrates, that the enlargement of the larynx took place independently in the phylogeny of both genera. The extreme enlargement of the larynx in the male *Hypsignathus monstrosus* can be regarded as a result of intraspecific selection in correlation with the highly specialized lek mating behaviour of this species.

Zima, J. (1982). Chromosomal homology in the complements of bats of the family Vespertilionidae. II. G-band karyotypes of some *Myotis*, *Eptesicus* and *Pipistrellus* species.

G-bands observed in the chromosomes of *Myotis myotis, M. brandti, M. mystacinus, Eptesicus nilssoni, Pipistrellus savii, P. pipistrellus* and *P. kuhli* are described. The G-band patterns found in the karyotypes of the examined species of the genera. *Myotis* and *Eptesicus* are identical with those found in the congeneric North American species. The G-band pattern found in the chromosomal arms of *Pipistrellus* spp. Is identical with that in *Myotis* spp. In the karyotypes of the species of these two genera; the biarmed autosomes consist of arms showing an identical G-band pattern.

Zima, J. and I. Horácek (1985). Synopsis of karyotypes of Vespertilionid bats (Mammalia: Chiroptera).

In this paper, a brief synopsis of karyotypes of vespertilionid bats is presented according to literary data available to the authors. The variation in the karyotype on populational, specific and generic levels and karyotypic differences among genera, tribes and subfamilies are discussed. It is striking that chromosomal differentiation on the populational, specific and generic levels is almost entirely limited to tropical and subtropical forms. On the contrary, the karyotypes of forms inhabiting the Temperate Zone are very stable on the mentioned levels. The authors suppose that this phenomenon is connected with

differences in ecological and social structures of populations and with different evolutionary potential of vespertilionid bats inhabiting the tropics and the Temperate Zone.

Zima, J., M. Volleth, I. Horácek, J. Cerveny and M. Macholán (1992b). Karyotypes of two species of bats, *Otonycteris hemprichi* and *Pipistrellus tramatus* (Chiroptera, Vespertilionidae).

The karyotype of *Otonycteris hemprichi* from Central Asia is described, and the arm composition is determined by G-banding (2n = 30, NFa = 48; 1/2,3/4, 5/6, 19/7, 21/8, 12/9, 15/10, 14/11, 18/13, '16/17', 20, 22, 23, 24?, X, Y). The metacentric fusion autosomes are identical to those of European and certain American *Plecotus* and *Barbastella* species. Robertsonian polymorphism is ascertained in a small sample of specimens of *Pipistrellus tramatus* (2n = 35, 36; NFa = 48). The karyotype of *P.tramatus* from Vietnam is different from that of *P. coromandra* from India described previously.

Zimara, R. (1935). Säugetiere Westafrikas (gesammelt von Alfred Weidholz).

Die von Herrn Altred Weidholz auf drei Expeditionen in Westafrika gesammelten Säugetiere umfassen 53 Arten und Unterarten in 123 Exemplaren.

Für die Wissenschaft sind die gesammelten Dama-Gazellen von besonderem Interesse, die uns mit ihren Fundorten über ihre Verbreitung Aufschluß geben, so daß wir einerseits von einer von Heller neuaufgestellten Rasse, den bisher unbekannten Fundort, anderseits eine neue Rasse im Nigerdreieck feststellen konnten.

Auch liegen uns von einigen Arten, wie *Felis ocreata* Gmel., *Canis pallidus* Rüpp. sowie *Canis variegatus* Kretzschm., Serien vor, die uns zeigen, wie groß die Farbenvariabilität innerhalb ein und derselben Art bei gleichen Fundorten sein kann. Bei der Bearbeitung der drei Expeditionen habe ich die einschlägige Literatur sowie die bereits erschienenen Separatas, soweit sie mir bisher zugänglich waren, verwendet. Von der bei der Darnu-Cazellen-Arbeit
verwendeten habe ich am Schlusse dieser ein genaues Verzeichnis angeschlossen.

Nachfolgend behandle ich jede Expedition für sich und lasse am Schlusse der dritten Expedition eine Übersicht über die zoogeographische Verbreitung der Dama-Gazellen sowie einen aus dieser sich ergebenden Bestimmungsschlüssel folgen.

Die erste hier bearbeitete Expedition wurde im Jahre 1927 unternommen und beschränkte sich auf Französisch-Nigerien.

Die mitgebrachten Säugetiere umfassen 13 Arten und Unterarten in 42 Exemplaren. Es befindet sich für die Wissenschaft zwar keine neue Art darunter, doch wurde durch den mitgebrachten Dama-Gazellenbock der Fundort der von Neu mann beschriebenen *Gazella dama reducta* bekannt. Diese Subspezies wurde von Heller nach einem Menagerieexemplar mit unbekanntem Fundort aufgestellt. Ferner befinden sich auch die im allgemeinen Teil erwähnten Serien darunter.

Der Zustand der mitgebrachten Präparate ist bei dieser Expedition im allgemeinen zufriedenstellend. Besonders die hier in Betracht kommenden sind sehr gut erhalten.

Die in dieser Arbeit vorkommenden nachstehenden Fundorte befinden sich alle in Französisch-Nigerien, mehr oder weniger weit von Timbuku,
Archarnbault, Fort.
Bourem.
Gourma-Bahrus.
Macina.
Nia-Funke, am Niger.

Die zweite Expedition wurde im Jahre 1928 unternommen und auf das Tschadseegebiet ausgedehnt. Die gesammelten Säugetiere umfassen 23 Arten und Unterarten in 30 Exemplaren. Der Zustand der mitgebrachten Präparate ist weit besser als bei der vorjährigen Expedition.

Nachstehend folgt ein Verzeichnis von den in dieser Arbeit vorkommenden Fundorten.
Archambault (Fort), am oberen Scharifluß, südlich vom Tschadsee.
Bagirmiland am Schari, südöstlich von Tschadsee.
Bahr-Sara, Nebenfluß des Schari, südöstlich vom Tschadsee.
Bali, Nebenfluß des Ubangi.
Bossanoa, Steppengegend, nördliches Ubangiland.
Lai, am Logone, Ubangi-Schari-Territorium.
Logone, südöstlich des Tschadsees.
Impfondo, am rechten lbangiufer (gewissermaßen das Zentrum des Schlafkrankheits-Seuchenherdes).
Marrot, zirka 150 km südlich von Fort Archambault.
Melfi, Bagirmi, rechtes Schariufer.
Moissala, am Buhr-Sara.
Scharifluß.
Ubangitluß.

Die dritte Expedition wurde 1930 unternommen und erstreckte sich vom Senegal im Westen bis Timbuktu im Osten lind Hombori im Süden. Die mitgebrachten Säugetiere umfassen 20 Arten und Unterarten in 51 Exemplaren.

Sehr interessant sind die vier mitgebrachten Dama-Gazellenweibchen, die mit dem 1927 mitgebrachten Bock zusammen zu einer Revision der Arten und Unterarten Anlaß gegeben haben und zu einer neuen Abfassurig des Bestimmungsschlüssels fuhrten.

Auch bei dieser Expedition waren wie bei der 1928 unternommenen nur wenige Präparate schadhaft.

Nachstehend das Verzeichnis der in dieser Arbeit vorkommenden Fundorte.
Bonrem bei Timbuktu.
Dialokoto, Französisch-Garnbien.
Gourma-Rahrus, zwischen Kabara und Bourem.
Hombori, südlich von Timbuktu.
Kabara, Tirnbuktus Nigerhaten.
Kayes, am Senegal.
Nampala, südwestlich von Timbuktu .
Nia-Funke am Niger.
Niokolo-Koba, Nebenfluß des Gambia.
Nioro, nordöstlich von Kayes.
Tabadienke, Sumpfgebiet unweit des Niokolo-Koba.

Appendix 9: Gazetteers

In the following series of appendices, the gazetteer information of the various localities will be presented in different sequences and/or formats. The information on the coordinates was obtained from various sources, such as museum labels, museum catalogues, literature, and the internet (e.g. Falling Rain [http://www.fallingrain.com/world/], NGA GEOnet Names Server (GNS) [http://geonames.nga.mil/gns/html/], . . .). Information on divisions within a given country were obtained from maps available on:
http://www.maplibrary.org/stacks/Africa/index.php
http://www.nationsonline.org/oneworld/

Appendix 9a: Hierarchical Gazetteer

In this gazetteer, the data for the localities are presented in hierarchical order, starting with "Planet Earth", followed by the continent (Africa, Asia, Europe, . . .), the country, the state/province, the district, . . ., to the individual locality.

"Planet Earth"			
Unknown locality			
"Gabon"			
"Gabon"			
Africa			
"British East Africa" (see Kenya)			
"Congo"			
"Dahomey" (see Benin)			
"Egypt or Sudan"			
Nile Valley south of Assuan		24° 05' 00" N 32° 56' 00" E	
"Haute Volta" (see Burkina Faso)			
"Lobito Voay"			
"Senegal or Mauritania"			
[Southern Africa]			
Malingwe Pan			
Afars and Issas (see Djibouti)			
Africa, east coast			
(see also: East coast of Africa)			
Igo Island			
Île d'Igo			
Africa, west coast			
(see also: Côte occidentale de l'Afrique)			
Algeria			
Adrar province			
Aïn Defla province			
Aïn Témouchent province	ca.	35° 20' 00" N 1° 05' 00" W	
(see also: Wilaya de Aïn Temouchent)			
La Tafna Fleuve (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Oued Tafna (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Oued Tasna (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Tafna River (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Tafna, oued	ca.	35° 17' 52" N 1° 28' 16" W	
(see also: La Tafna Fleuve, Oued Tafna, Oued Tasna , Tafna River, Tafua, Wad Tafna, Wadi Tafna, Wâdy Tafna)			
Tafua (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Wad Tafna (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Wadi Tafna (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Wâdy Tafna (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Alger province			
Al Jazair (see Alger)		36° 45' 47" N 3° 03' 02" E	0 m
Alger		36° 45' 47" N 3° 03' 02" E	0 m
(see also: Al Jazair, Algeri, Algier, Algiers, Al-jezair)			
Algeri (see Alger)		36° 45' 47" N 3° 03' 02" E	0 m
Algier (see Alger)		36° 45' 47" N 3° 03' 02" E	0 m
Algiers (see Alger)		36° 45' 47" N 3° 03' 02" E	0 m
Al-jezair (see Alger)		36° 45' 47" N 3° 03' 02" E	0 m
Algerian Sahara			
Algerian Sahara			
Annaba province			
Ain Mokra (see Berrahal)		36° 50' 07" N 7° 27' 12" E	26 m
Annaba		36° 54' 00" N 7° 46' 00" E	0 m
(see also: Bona, Bône)			
Berrahal		36° 50' 07" N 7° 27' 12" E	26 m
(see also: Ain Mokra)			
Bona (see Annaba)		36° 54' 00" N 7° 46' 00" E	0 m
Bône (see Annaba)		36° 54' 00" N 7° 46' 00" E	0 m
Bône, near	ca.	36° 54' 00" N 7° 46' 00" E	
AurèsPC: BT|)			
Batna		35° 34' 00" N 6° 10' 00" E	
Batna province	ca.	35° 30' 00" N 5° 55' 00" E	
(see also: Aurès province |PC: BT|, Wilaga de l' Aures , Wilaya de Batna)			
Aurasius Mons (see Aurès mountains)		35° 14' 00" N 6° 10' 00" E	
Aurès mountains		35° 14' 00" N 6° 10' 00" E	
(see also: Aurasius Mons, Djebel Aurès)			
Djebel Aurès (see Aurès mountains)		35° 14' 00" N 6° 10' 00" E	
Béchar province			
Abadla		31° 01' 00" N 2° 44' 00" W	588 m
Béchar		31° 37' 00" N 2° 13' 00" W	747 m
(see also: Colomb Béchar)			
Bechar, 8 km NE		31° 36' 00" N 2° 09' 00" W	ca. 747 m
Beni Abbes (see Béni Abbès)		30° 08' 00" N 2° 10' 00" W	470 m
(see also: Benni Abbes)			

Béni Abbès		30° 08' 00" N 2° 10' 00" W	470 m
(see also: Beni Abbes)			
Benni Abbes (see Beni Abbes)		30° 08' 00" N 2° 10' 00" W	470 m
Colomb Béchar (see Béchar)		31° 37' 00" N 2° 13' 00" W	747 m
Glib Zegdou		29° 42' 49" N 4° 45' 58" W	
Hassi Fokra		30° 09' 20" N 1° 26' 07" W	
Ksar el Abadla (see Natron See)		31° 01' 00" N 2° 44' 00" W	588 m
Marhouma		30° 00' 16" N 2° 04' 14" W	430 m
(see also: Markouma)			
Markouma (see Marhouma)		30° 00' 16" N 2° 04' 14" W	430 m
Béjaïa province			
Aokas		36° 38' 00" N 5° 15' 00" E	198 m
(see also: Cap Aokas, Oued Marsa)			
Aokas cave, 1 km E Aokas	ca.	36° 38' 00" N 5° 15' 00" E	
Bejaia (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Béjaïa		36° 45' 21" N 5° 05' 03" E	0 m
(see also: Bejaia, Bgayet, Bidzaja, Bijaya, Bougie, Saldae)			
Bgayet (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Bidzaja (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Bijaya (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Bougie (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Cap Aokas (see Aokas)		36° 38' 00" N 5° 15' 00" E	198 m
Gorges de Kherrata (tunnel)	ca.	36° 29' 37" N 5° 16' 41" E	
(see also: Kherrata, gorges de)			
Kherrata, gorges de (see Gorges de Kherrata (tunnel))	ca.	36° 29' 37" N 5° 16' 41" E	
Oued Marsa (see Aokas)		36° 38' 00" N 5° 15' 00" E	198 m
Saldae (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Souk el Tenine		36° 37' 36" N 5° 20' 02" E	92 m
Béni Abbès, 15 km N	ca.	30° 08' 00" N 2° 10' 00" W	
Biskra province			
Biskra		34° 51' 00" N 5° 44' 00" E	213 m
Biskra, 51 km S (see Bordj de Chegga)		34° 25' 00" N 5° 56' 00" E	3 m
Bordj Chegga (see Bordj de Chegga), 51 km S from Biskra		34° 25' 00" N 5° 56' 00" E	3 m
Bordj de Chegga, 51 km S from Biskra		34° 25' 00" N 5° 56' 00" E	3 m
(see also: Biskra, 51 km S, Bordj Chegga, Borj Chegga, Chaegga, Chegga)			
Borj Chegga (see Bordj de Chegga), 51 km S from Biskra		34° 25' 00" N 5° 56' 00" E	3 m
Chaegga (see Bordj de Chegga), 51 km S from Biskra		34° 25' 00" N 5° 56' 00" E	3 m
Chegga (see Bordj de Chegga), 51 km S from Biskra		34° 25' 00" N 5° 56' 00" E	3 m
Biskra, near			
Oumache		34° 42' 00" N 5° 41' 00" E	103 m
(see also: Oumash, Umasch, Umash)			
Oumash (see Oumache)		34° 42' 00" N 5° 41' 00" E	103 m
Umasch (see Oumache)		34° 42' 00" N 5° 41' 00" E	103 m
Umash (see Oumache)		34° 42' 00" N 5° 41' 00" E	103 m
Blida province	ca.	36° 35' 00" N 3° 00' 00" E	
(see also: Wilaya de Blida)			
Chiffa, gorges de la (see Gorges de la Chiffa)		36° 24' 00" N 2° 46' 00" E	
Gorges de la Chiffa		36° 24' 00" N 2° 46' 00" E	
(see also: Chiffa, gorges de la, La Chiffa)			
Grotte des lions (see Lions cave)	ca.	36° 24' 00" N 2° 46' 00" E	
Lions cave	ca.	36° 24' 00" N 2° 46' 00" E	
(see also: Grotte des lions)			
La Chiffa (see Gorges de la Chiffa)		36° 24' 00" N 2° 46' 00" E	
Bordj Bou Arréridj province			
Bouira province			
Boumerdès province			
Delis (see Dellys)		36° 55' 07" N 3° 53' 16" E	336 m
Dellys		36° 55' 07" N 3° 53' 16" E	336 m
(see also: Delis)			
Canear [NF], 40 km NE (see Rio Kassai)			
Cassai River (see Rio Kassai), 40 km NE Canear [NF]			
Chlef province			
Ténès, West of Algiers		36° 30' 40" N 1° 18' 43" E	2 m
Constantine province			
Biskra, 17 km SE (see Sidi Okba)		34° 45' 00" N 5° 54' 00" E	
Constantine, road between Sétif and Annaba		36° 22' 00" N 6° 37' 00" E	626 m
Sidi Okba, 17 km SE Biskra		34° 45' 00" N 5° 54' 00" E	150 m
(see also: Biskra, 17 km SE)			
Djebel Ouarsenis (see Ouarsenis, Djebel)		35° 52' 00" N 1° 38' 00" E	
Djelfa province			
Djelfa		34° 40' 00" N 3° 15' 00" E	1126 m
(see also: Jelfa)			

Jelfa (see Djelfa)		34° 40' 00" N 3° 15' 00" E	1126 m
Djurdura mountains			
Lalla Kedidja, 7 km W (see Tikjda)			
Tikjda, 7 km W Lalla Kedidja		36° 27' 00" N 4° 08' 00" E	1111 m
(see also: Lalla Kedidja, 7 km W)			
El Bayadh province			
Brezina		33° 05' 59" N 1° 15' 25" E	825 m
(see also: Brezina cave)			
Brezina cave (see Brezina)		33° 05' 59" N 1° 15' 25" E	825 m
El Kohol		33° 03' 16" N 1° 28' 19" E	
El Oued province			
El Tarf province			
Ghardaïa province			
El Golea (see El Goléa)		30° 34' 00" N 2° 53' 00" E	423 m
El Goléa		30° 34' 00" N 2° 53' 00" E	423 m
(see also: El Golea)			
Ghardaïa		32° 29' 00" N 3° 40' 00" E	572 m
(see also: Rhardaïa)			
Rhardaïa (see Ghardaïa)		32° 29' 00" N 3° 40' 00" E	572 m
Giante's Castle			6300 ft
Guelma province			
Hassi Kalifa (see Hassi Khelifa)		33° 35' 00" N 7° 00' 00" E	41 m
Hassi Khelifa		33° 35' 00" N 7° 00' 00" E	41 m
(see also: Hassi Kalifa)			
Illizi province	ca.	26° 50' 00" N 8° 10' 00" E	
Djanet		24° 34' 00" N 0° 09' 23" E	1116 m
(see also: Fort Charlet)			
Fort Charlet (see Djanet)		24° 34' 00" N 0° 09' 23" E	1116 m
Tassili des Adjers (see Tassili-n-Ajjer)	ca.	25° 30' 00" N 9° 00' 00" E	
Tassili N'Ajer (see Tassili-n-Ajjer)	ca.	25° 30' 00" N 9° 00' 00" E	
Tassili-n-Ajjer	ca.	25° 30' 00" N 9° 00' 00" E	
(see also: Tassili des Adjers, Tassili N'Ajer)			
Jijel province			
Kassai River (see Rio Kassai), 40 km NE Canear [NF]			
Khenchela province			
Laghouat province			
Blida and Laghouat, between	ca.	34° 20' 00" N 3° 00' 00" E	
Laghouat, oasis		33° 49' 00" N 2° 55' 00" E	750 m
Mascara province			
Saint-Denis-du-Sig (see Sig)		35° 31' 40" N 0° 11' 43" W	73 m
Sig		35° 31' 40" N 0° 11' 43" W	73 m
(see also: Saint-Denis-du-Sig)			
Médéa province			
Ain Oussera		35° 27' 05" N 2° 54' 21" E	683 m
(see also: El Oussera, Paul Cazelles)			
Boghar		35° 54' 41" N 2° 43' 00" E	847 m
El Golea (see El Goléa)		36° 13' 10" N 2° 46' 21" E	700 m
El Goléa		36° 13' 10" N 2° 46' 21" E	700 m
(see also: El Golea)			
El Oussera (see Ain Oussera)		35° 27' 05" N 2° 54' 21" E	683 m
Oued Rhumel		36° 32' 00" N 6° 16' 00" E	
Paul Cazelles (see Ain Oussera)		35° 27' 05" N 2° 54' 21" E	683 m
Mila province			
Mostaganem province			
M'Sila province			
M'Sila		35° 42' 21" N 4° 32' 31" E	508 m
(see also: Thamsilt)			
Mouzdjadjo		35° 42' 00" N 4° 33' 00" E	
Thamsilt (see M'Sila)		35° 42' 21" N 4° 32' 31" E	508 m
Naâma province	ca.	33° 30' 00" N 0° 50' 00" W	
(see also: Wilaya de Naama)			
Ain Ouarka (see Aïn Ouarka)		32° 43' 51" N 0° 09' 13" W	
Aïn Ouarka		32° 43' 51" N 0° 09' 13" W	
(see also: Ain Ouarka)			
Aïn Sefra		32° 45' 00" N 0° 35' 00" W	1081 m
(see also: Aïne Sefra)			
Aïne Sefra (see Aïn Sefra)		32° 45' 00" N 0° 35' 00" W	1081 m
Oran province			
Ain Cheurfas			
Cheurfas, Barrages des		35° 24' 00" N 0° 15' 00" W	
Les Andalouses, 20 km W Oran		35° 42' 16" N 0° 53' 33" W	0 m
(see also: Oran, 20 km W)			
Misserghin, 12 km SW Oran		35° 36' 42" N 0° 44' 27" W	78 m
(see also: Oran, 12 km SW)			
Misserghin Gorge, cave of 4th source	ca.	35° 36' 17" N 0° 44' 13" W	
M'Sila Forest, 20 km W Oran		35° 38' 56" N 0° 52' 25" W	508 m

Oran		35° 41' 00" N 0° 39' 00" W	110 m
(see also: Ouahran, Wahran)			
Oran, 12 km SW (see Misserghin)		35° 38' 00" N 0° 43' 00" W	
Oran, 20 km W (see Les Andalouses)			
Ouahran (see Oran)		35° 41' 00" N 0° 39' 00" W	110 m
Oued Tlélat		35° 32' 56" N 0° 26' 50" W	152 m
(see also: Oued-Trelat, Saint-Barbe-du-Tlélat, Sainte-Barbe-Du-Trelat)			
Oued-Trelat (see Oued Tlélat)		35° 32' 56" N 0° 26' 50" W	152 m
Saint-Barbe-du-Tlélat (see Oued Tlélat)		35° 32' 56" N 0° 26' 50" W	152 m
Sainte-Barbe-Du-Trelat (see Oued Tlélat)		35° 32' 56" N 0° 26' 50" W	152 m
St. Eugène			
Eljani (see Heljani)		35° 42' 00" N 0° 37' 00" W	121 m
Heljani		35° 42' 00" N 0° 37' 00" W	121 m
(see also: Eljani)			
Wahran (see Oran)		35° 41' 00" N 0° 39' 00" W	110 m
Ouargla province	ca.	30° 30' 00" N 6° 10' 00" E	
(see also: Wilaya de Ouargla)			
Djama (see Djamaa)		33° 32' 00" N 6° 00' 00" E	120 m
Djamaa		33° 32' 00" N 6° 00' 00" E	120 m
(see also: Djama, Djemâa)			
Djemâa (see Djamaa)		33° 32' 00" N 6° 00' 00" E	120 m
Ouargla		31° 57' 27" N 5° 19' 40" E	149 m
Ouarsenis, Djebel		35° 52' 00" N 1° 38' 00" E	
(see also: Djebel Ouarsenis)			
Oum el Bouaghi province			
Quallen (oasis)			
Raca Camele, North of Quionlungo			
Relizane province			
Rio Cassai (see Rio Kassai), 40 km NE Canear [NF]			
Rio Kassai, 40 km NE Canear [NF]			
(see also: Canear [NF], 40 km NE, Cassai River, Kassai River, Rio Cassai)			
Saïda province			
Saoura province			
Aïn Salah (see I-n-Salah)		27° 11' 00" N 2° 29' 00" E	279 m
In Saleh (see I-n-Salah)		27° 11' 00" N 2° 29' 00" E	279 m
I-n-Salah		27° 11' 00" N 2° 29' 00" E	279 m
(see also: Aïn Salah, In Saleh)			
Timimoun			
Ighzer cave		29° 28' 00" N 0° 18' 00" E	ca. 322 m
Wadi Sauria		30° 11' 00" N 2° 14' 00" W	
Sea-Atlas			
Gran Cabilia			
Sétif province			
Sétif		36° 13' 00" N 5° 25' 00" E	1080 m
Sidi Bel Abbès province			
Skikda province	ca.	36° 45' 00" N 6° 50' 00" E	
(see also: Wilaya de Skikda)			
Djebel Taya (see Djebel Taya)		36° 30' 06" N 7° 07' 27" E	
(see also: Djebel Taya)			
Taya, djebel		36° 30' 06" N 7° 07' 27" E	
Souk Ahras province			
TamanPC:TM|)	ca.	23° 45' 00" N 4° 40' 00" E	
Tamanrasset, 55 km N		23° 12' 00" N 5° 31' 59" E	
Tamanrasset province	ca.	23° 45' 00" N 4° 40' 00" E	
(see also: Tamanghasset province |PC:TM|, Wilaya de Tamanghasset, Wilaya de Tamanrasset)			
Fort Laperine (see Tamanrasset)		22° 47' 06" N 5° 31' 22" E	1320 m
Fort Laperrine (see Tamanrasset)		22° 47' 06" N 5° 31' 22" E	1320 m
Hoggar plateau			
Pool			
Tit		22° 57' 42" N 5° 11' 51" E	1332 m
Ideles, 20 km N (see Oued Igharghar)		19° 34' 28" N 5° 53' 46" E	
Oued Igharghar		19° 34' 28" N 5° 53' 46" E	
(see also: Ideles, 20 km N)			
Tamahrasset (see Tamanrasset)		22° 47' 06" N 5° 31' 22" E	1320 m
Tamanghasset (see Tamanrasset)		22° 47' 06" N 5° 31' 22" E	1320 m
Tamanrasset		22° 47' 06" N 5° 31' 22" E	1320 m
(see also: Fort Laperine , Fort Laperrine, Tamahrasset, Tamanghasset)			
Tamanrasset, near	ca.	22° 47' 06" N 5° 31' 22" E	
Tamanrasset, oasis		22° 47' 06" N 5° 31' 22" E	1320 m
Tamanrasset, 110 km NW		23° 42' 00" N 5° 08' 00" E	
Tébessa province			

Tiaret province			
Tindouf province			
Tipaza province			
Tissemsilt province			
Tizi Ouzou province			
Tlemcem Mountains			
Tlemcem province			
Sebdou		34° 38' 33" N 1° 19' 59" W	904 m
Sebdou, 20 km NW	ca.	34° 38' 33" N 1° 19' 59" W	
Touareg Sahara			
Wilaga de l' Aures (see Batna province)	ca.	35° 30' 00" N 5° 55' 00" E	
Wilaya d' Illizi (see Gambela)	ca.	8° 15' 00" N 34° 35' 00" E	514 m
Wilaya de Aïn Temouchent (see Aïn Témouchent province)	ca.	35° 20' 00" N 1° 05' 00" W	
Wilaya de Batna (see Batna province)	ca.	35° 30' 00" N 5° 55' 00" E	
Wilaya de Blida (see Blida province)	ca.	36° 35' 00" N 3° 00' 00" E	
Wilaya de Naama (see Naâma province)	ca.	33° 30' 00" N 0° 50' 00" W	
Wilaya de Ouargla (see Ouargla province)	ca.	30° 30' 00" N 6° 10' 00" E	
Wilaya de Skikda (see Skikda province)	ca.	36° 45' 00" N 6° 50' 00" E	
Wilaya de Tamanghasset (see Tamanrasset province)	ca.	23° 45' 00" N 4° 40' 00" E	
Wilaya de Tamanrasset (see Tamanrasset province)	ca.	23° 45' 00" N 4° 40' 00" E	
Amwini River			
(see also: Bornili)			
Angasilha [=?Angaziga]			
Angola			
Angola, W Africa = Lower Congo			
Bengo province			
Ambriz		7° 51' 00" S 13° 07' 00" E	0 m
Cabire (see Cabiri)		8° 54' 55" S 13° 40' 09" E	87 m
Cabiri		8° 54' 55" S 13° 40' 09" E	87 m
(see also: Cabire, Kabire, Kabiri)			
Canga (see Fazenda Cunga)		9° 15' 00" S 13° 44' 00" E	46 m
Catete		9° 07' 48" S 13° 37' 48" E	
(see also: Katete)			
Conga (see Fazenda Cunga)		9° 15' 00" S 13° 44' 00" E	46 m
Cunga (see Fazenda Cunga)		9° 15' 00" S 13° 44' 00" E	46 m
Fazenda Cunga		9° 15' 00" S 13° 44' 00" E	46 m
(see also: Canga, Conga, Cunga, Kunga)			
Kabire (see Cabiri)		8° 54' 55" S 13° 40' 09" E	87 m
Kabiri (see Cabiri)		8° 54' 55" S 13° 40' 09" E	87 m
Katete (see Catete)		9° 07' 48" S 13° 37' 48" E	
Kunga (see Fazenda Cunga)		9° 15' 00" S 13° 44' 00" E	46 m
Quiçama National Park	ca.	9° 40' 00" S 13° 45' 00" E	
Kissama cave (see Quiçama cave)	ca.	9° 40' 00" S 13° 45' 00" E	
Quiçama cave	ca.	9° 40' 00" S 13° 45' 00" E	
(see also: Kissama cave)			
Benguela province			
Asseiceira (see Catumbela)		12° 25' 53" S 13° 32' 50" E	93 m
Bela Vista, 3 mi NE (see Dondi)			
Benguela		12° 34' 42" S 13° 24' 26" E	39 m
(see also: Benguella, São Félipe de Benguela)			
Benguella (see Benguela)		12° 34' 42" S 13° 24' 26" E	39 m
Cahata		12° 21' 00" S 14° 49' 00" E	1209 m
Caimbambo		13° 00' 00" S 13° 50' 00" E	
Canaveses (see Marco de Canavezes)		12° 59' 00" S 14° 22' 00" E	972 m
Catumbela		12° 25' 53" S 13° 32' 50" E	93 m
(see also: Asseiceira, Catumbella, Katumbela)			
Catumbella (see Catumbela)		12° 25' 53" S 13° 32' 50" E	93 m
Dondi, 3 mi NE Bela Vista			5600 ft
(see also: Bela Vista, 3 mi NE)			
Hanha		12° 14' 42" S 13° 42' 49" E	58 m
Huxe (see Uche)		12° 43' 15" S 13° 18' 33" E	93 m
Katumbela (see Catumbela)		12° 25' 53" S 13° 32' 50" E	93 m
Lobito Bay	ca.	12° 20' 00" S 13° 33' 00" E	
Marco de Canaveses		12° 59' 00" S 14° 22' 00" E	972 m
Marco de Canavezes		12° 59' 00" S 14° 22' 00" E	972 m
(see also: Canaveses)			
São Félipe de Benguela (see Benguela)		12° 34' 42" S 13° 24' 26" E	39 m
Uche		12° 43' 15" S 13° 18' 33" E	93 m
(see also: Huxe)			
Biballe and Rio Coroca, Caconda		13° 42' 00" S 15° 05' 00" E	
Bie province			
Chissonque		11° 05' 00" S 17° 15' 00" E	3650 ft
Chitau		11° 25' 00" S 17° 09' 00" E	1503 m
Dande, 35 km E (see Dando, 35 km E)		11° 10' 00" S 17° 10' 00" E	

Dando, 35 km E		11° 10' 00" S 17° 10' 00" E	
(see also: Dande, 35 km E)			
Gauca River		11° 05' 00" S 17° 15' 00" E	3650 ft
Cabinda province			
Cacongo		5° 14' 00" S 12° 09' 00" E	0 m
(see also: Guilherme Capelo, Lândana, Vila Guilherme Capelo)			
Chinchoxo	ca.	5° 04' 00" S 12° 02' 00" E	
Guilherme Capelo (see Cacongo)		5° 14' 00" S 12° 09' 00" E	0 m
Landana (see Lândana)		5° 14' 00" S 12° 09' 00" E	0 m
Lândana (see Cacongo)		5° 14' 00" S 12° 09' 00" E	0 m
(see also: Landana)			
Vila Guilherme Capelo (see Cacongo)		5° 14' 00" S 12° 09' 00" E	0 m
Chiumbe River, tributary of Kasai river		12° 26' 00" S 20° 48' 00" E	
(see also: Tshiumbe River, Tyhumbwe River, Tyihumbwe River)			
CuandPC:CC|)			
Jamba district			
Chett Angolan border, 13 km N		17° 40' 42" S 22° 36' 53" E	1201 m
Litambo		14° 50' 00" S 17° 17' 00" E	1443 m
Luiana Camp		17° 23' 00" S 23° 00' 00" E	974 m
CuanzPC:CN|)			
Camabatela, 30 km W (see Roça Canzel)		8° 21' 00" S 15° 11' 00" E	793 m
Canhoca		9° 07' 48" S 14° 37' 48" E	
(see also: Kanhoca)			
Canzale (see Roça Canzel), 30 km W Camabatela		8° 21' 00" S 15° 11' 00" E	793 m
Canzel (see Roça Canzel), 30 km W Camabatela		8° 21' 00" S 15° 11' 00" E	793 m
Canzele (see Roça Canzel), 30 km W Camabatela		8° 21' 00" S 15° 11' 00" E	793 m
Canzole (see Roça Canzel), 30 km W Camabatela		8° 21' 00" S 15° 11' 00" E	793 m
Cassoalaba (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Cassoalala (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Cassoalalla		9° 29' 00" S 14° 21' 00" E	136 m
(see also: Cassoalaba, Cassoalala, Cassoalalla, Cassualala, Kassualala, Kateba)			
Cassoalalla (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Cassualala (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Dondo (see Ndondo)		9° 40' 00" S 14° 30' 00" E	134 m
Galungo Alto (see Golungo Alto)		9° 08' 00" S 14° 46' 00" E	577 m
Golundo Alto (see Golungo Alto)		9° 08' 00" S 14° 46' 00" E	577 m
Golungo Alto		9° 08' 00" S 14° 46' 00" E	577 m
(see also: Galungo Alto, Golundo Alto)			
Kanhoca (see Canhoca)		9° 07' 48" S 14° 37' 48" E	
Kassualala (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Kateba (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Mucoso, near Dondo		9° 40' 00" S 14° 23' 00" E	130 m
Ndondo		9° 40' 00" S 14° 30' 00" E	134 m
(see also: Dondo)			
Roça Cansele (see Roça Canzel), North of ?? Quiculango ??		8° 21' 00" S 15° 11' 00" E	793 m
Roça Canzel, 30 km W Camabatela		8° 21' 00" S 15° 11' 00" E	793 m
(see also: Camabatela, 30 km W, Canzale, Canzel, Canzele, Canzole, Roça Cansele)			
CuanzPC:CS|)			
Calulo, 40 km E		10° 01' 00" S 15° 20' 00" E	
Congulu		10° 52' 48" S 14° 22' 48" E	
Novo Redondo, near (see Sumbe, near)		11° 22' 48" S 13° 52' 48" E	
Sumbe, near		11° 22' 48" S 13° 52' 48" E	
(see also: Novo Redondo, near)			
Cunene province			
Chitado (see Khitado)		17° 19' 00" S 13° 55' 00" E	869 m
Humbe		16° 41' 00" S 14° 54' 00" E	116 m
(see also: Humbe Mutano, Mutano)			
Humbe Mutano (see Humbe)		16° 41' 00" S 14° 54' 00" E	116 m
Khitado		17° 19' 00" S 13° 55' 00" E	869 m
(see also: Chitado)			
Mutano (see Humbe)		16° 41' 00" S 14° 54' 00" E	116 m
Otjipomenima		16° 41' 00" S 14° 55' 00" E	
Huambo province			
Caála		12° 51' 09" S 15° 33' 38" E	1746 m
(see also: Cahala, Kaala, Robert Williams, Roberto Williams, Vila Robert Williams)			
Caála, 6 mi [=9.7 km] S	ca.	12° 51' 09" S 15° 33' 38" E	1630 m
(see also: Robert Williams, 6 mi [=9.7 km] S)			
Cahala (see Caála)		12° 51' 09" S 15° 33' 38" E	1746 m
Concórdia		12° 12' 00" S 15° 02' 00" E	1810 m
(see also: Fazenda Concórdia)			

Fazenda Concórdia (see Concórdia)		12° 12' 00" S 15° 02' 00" E	1810 m
Galanga		12° 04' 00" S 15° 09' 00" E	1588 m
Huambo		12° 46' 34" S 15° 44' 21" E	1721 m
(see also: Nova Lisboa)			
Kaala (see Caála)		12° 51' 09" S 15° 33' 38" E	1746 m
Luimbale, 42 km WSW (see Moco, mount)		12° 30' 00" S 15° 10' 00" E	
Moco, mount, 42 km WSW Luimbale		12° 30' 00" S 15° 10' 00" E	
(see also: Luimbale, 42 km WSW, Monte Soque, Mount Moco, Mount Soque, Soque, mount)			
Moks, mount, Luimbale		12° 13' 00" S 15° 19' 00" E	
(see also: Mount Moks)			
Monte Soque (see Moco, mount), 42 km WSW Luimbale		12° 30' 00" S 15° 10' 00" E	
Mount Moco (see Moco, mount)		12° 30' 00" S 15° 10' 00" E	
Mount Moks (see Moks, mount), Luimbale		12° 13' 00" S 15° 19' 00" E	
Mount Soque (see Moco, mount), 42 km WSW Luimbale		12° 30' 00" S 15° 10' 00" E	
Mount Verdun (see Verdun, mount)		12° 10' 00" S 15° 20' 00" E	
Nova Lisboa (see Huambo)		12° 46' 34" S 15° 44' 21" E	1721 m
Robert Williams (see Caála)		12° 51' 09" S 15° 33' 38" E	1746 m
Robert Williams, 6 mi [=9.7 km] S (see Caála, 6 mi [=9.7 km] S)	ca.	12° 51' 09" S 15° 33' 38" E	1630 m
Roberto Williams (see Caála)		12° 51' 09" S 15° 33' 38" E	1746 m
Soque, mount (see Moco, mount), 42 km WSW Luimbale		12° 30' 00" S 15° 10' 00" E	
Verdun, mount		12° 10' 00" S 15° 20' 00" E	
(see also: Mount Verdun)			
Vila Robert Williams (see Caála)		12° 51' 09" S 15° 33' 38" E	1746 m
Huila province			
Artur de Paiva (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Caconda		13° 42' 00" S 15° 05' 00" E	1900 m
Cambisa		15° 19' 00" S 16° 13' 00" E	1369 m
Capelongo (1) (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Capelongo (2)		14° 55' 00" S 15° 05' 00" E	1197 m
(see also: Folgares, Kapelongo, Vila de Folgares)			
Coroca River (see Rio Coroca)	ca.	13° 42' 00" S 15° 05' 00" E	
Cubango, Missao de (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Cubango, Missao de (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Folgares (see Capelongo (2))		14° 55' 00" S 15° 05' 00" E	1197 m
Huila		15° 04' 00" S 13° 32' 00" E	1693 m
Humpata		15° 01' 00" S 13° 23' 00" E	6300 ft
(see also: São Januaria, São Januaria da Humpata)			
Jau		15° 14' 00" S 13° 31' 00" E	1660 m
Kapelongo (see Capelongo (2))		14° 55' 00" S 15° 05' 00" E	1197 m
Kubango (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Kuvango		14° 28' 00" S 16° 18' 00" E	1448 m
(see also: Artur de Paiva, Capelongo (1), Cubango, Missao de, Cubango, Missao de, Kubango, Kuvangu Mission, Vila Artur de Paiva, Vila da Ponte)			
Kuvangu Mission (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Lubango		14° 55' 00" S 13° 30' 00" E	1718 m
(see also: Sá da Bandeira)			
Rio Coroca	ca.	13° 42' 00" S 15° 05' 00" E	
(see also: Coroca River)			
Sá da Bandeira (see Lubango)		14° 55' 00" S 13° 30' 00" E	1718 m
Sá da Bandeira, 20 km W	ca.	14° 55' 00" S 13° 30' 00" E	
Sangueve		13° 53' 00" S 15° 50' 00" E	1642 m
São Januaria (see Humpata)		15° 01' 00" S 13° 23' 00" E	1856 m
São Januaria da Humpata (see Humpata)		15° 01' 00" S 13° 23' 00" E	1856 m
Vila Artur de Paiva (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Vila da Ponte (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Vila de Folgares (see Capelongo (2))		14° 55' 00" S 15° 05' 00" E	1197 m
Kuando Kubango province			
(see also: Cuando Cubango province |PC:CC|)			
Kwanza-Norte province			
(see also: Cuanza Norte province |PC:CN|)			
Kwanza-Sul province			
(see also: Cuanza Sul province |PC:CS|)			
Gabela		10° 52' 48" S 14° 22' 48" E	
Gabela, 30 km S		11° 07' 16" S 14° 22' 00" E	
Luanda province			

Luanda		8° 50' 18" S 13° 14' 04" E	6 m
(see also: São Paulo da Assunção de Luanda, São Paulo de Loanda, São Paulo de Luanda)			
Mumbondo		10° 07' 00" S 14° 07' 00" E	
São Paulo da Assunção de Luanda (see Luanda)		8° 50' 18" S 13° 14' 04" E	6 m
São Paulo de Loanda (see Luanda)		8° 50' 18" S 13° 14' 04" E	6 m
São Paulo de Luanda (see Luanda)		8° 50' 18" S 13° 14' 04" E	6 m
Lunda Norte province			
Carumba lake			
Carumbo, lake		7° 48' 00" S 19° 57' 00" E	850 m
(see also: Lake Carumba, Lake Carumbo)			
Chá Cassau (see Elias Garcia), 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
Dundo		7° 22' 00" S 20° 50' 00" E	726 m
(see also: Dundo Lundo, Dundu)			
Dundo Lundo (see Dundo)		7° 22' 00" S 20° 50' 00" E	726 m
Dundo, 150 km SSE (see Elias Garcia)		8° 56' 00" S 20° 18' 00" E	901 m
Dundu (see Dundo)		7° 22' 00" S 20° 50' 00" E	726 m
Elias Garcia, 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
(see also: Chá Cassau, Dundo, 150 km SSE, Sha Kazau, Sombo, Xa Cassai, Xá Cassau)			
Lake Carumba (see Carumbo, lake)		7° 48' 00" S 19° 57' 00" E	850 m
Lake Carumbo (see Carumbo, lake)		7° 48' 00" S 19° 57' 00" E	850 m
Luachima River (see Rio Luachimo), near Dundo	ca.	7° 20' 00" S 20° 49' 00" E	
Rio Luachimo, near Dundo	ca.	7° 20' 00" S 20° 49' 00" E	
(see also: Luachima River)			
Sha Kazau (see Elias Garcia), 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
Sombo (see Elias Garcia), 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
Xa Cassai (see Elias Garcia), 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
Xá Cassau (see Elias Garcia), 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
Lunda Sul province			
Alto Chicapa		10° 53' 00" S 19° 14' 00" E	1305 m
(see also: Alto Chikapa, Alto Shikapa)			
Alto Chikapa (see Alto Chicapa)		10° 53' 00" S 19° 14' 00" E	1305 m
Alto Cuilo		10° 01' 00" S 19° 33' 00" E	1264 m
(see also: Alto Kwilu, Cuilo)			
Alto Kwilu (see Alto Cuilo)		10° 01' 00" S 19° 33' 00" E	1264 m
Alto Shikapa (see Alto Chicapa)		10° 53' 00" S 19° 14' 00" E	1305 m
Cambo, 60 km N		10° 20' 00" S 20° 06' 00" E	
Cassai		10° 35' 00" S 21° 58' 00" E	1053 m
(see also: Cassai Sul, Tonga)			
Cassai Sul (see Cassai)		10° 35' 00" S 21° 58' 00" E	1053 m
Cuilo (see Alto Cuilo)		10° 01' 00" S 19° 33' 00" E	1264 m
Dala, 15 km W, on Tshiumbe River		11° 02' 00" S 20° 12' 00" E	1224 m
Luica River (see Rio Luica), affluent of R. Cuango-Muqué, Alto Chicapa		10° 46' 00" S 19° 12' 00" E	ca. 1270 m
Rio Luica, affluent of R. Cuango-Muqué, Alto Chicapa		10° 46' 00" S 19° 12' 00" E	ca. 1270 m
(see also: Luica River)			
Tonga (see Cassai)		10° 35' 00" S 21° 58' 00" E	1053 m
Malange district			
Malange (see Malanje)		9° 32' 41" S 16° 20' 43" E	1155 m
Malanje		9° 32' 41" S 16° 20' 43" E	1155 m
(see also: Malange)			
Pungo Andongo		9° 40' 00" S 15° 35' 00" E	916 m
Malanje province			
Bragança (see Calandula)		9° 06' 00" S 15° 57' 00" E	626 m
Calandula		9° 06' 00" S 15° 57' 00" E	626 m
(see also: Bragança, Duque de Bragança, Kalandula, Nalandula)			
Duque de Bragança (see Calandula)		9° 06' 00" S 15° 57' 00" E	626 m
Duque de Bragança, 25 km N, 15 km E		8° 52' 26" S 16° 05' 11" E	
Duque de Bragança, 42 km N		8° 40' 00" S 15° 58' 00" E	
Kalandula (see Calandula)		9° 06' 00" S 15° 57' 00" E	626 m
Kela, 5 km N (see Quela, 5 km N)		9° 13' 17" S 17° 05' 00" E	
Nalandula (see Calandula)		9° 06' 00" S 15° 57' 00" E	626 m
Quela, 5 km N		9° 13' 17" S 17° 05' 00" E	
(see also: Kela, 5 km N)			
Moxico province			
Alto Zambeze (see Calunda)		12° 07' 00" S 23° 28' 00" E	1487 m
Calunda		12° 07' 00" S 23° 28' 00" E	1487 m
(see also: Alto Zambeze, Kalunda)			
Calundo, Lake		11° 43' 00" S 20° 48' 00" E	1150 m
(see also: Lac Calundo, Lake Calundo, Luso, 105 km E)			
Dilõlo (see Luacano)		11° 13' 30" S 21° 39' 43" E	1063 m
Kalunda (see Calunda)		12° 07' 00" S 23° 28' 00" E	1487 m
Lac Calundo (see Calundo, Lake)		11° 43' 00" S 20° 48' 00" E	1150 m

Lago Dilõlo (see Luacano)		11° 13' 30" S 21° 39' 43" E	1063 m
Lake Calundo (see Calundo, Lake)		11° 43' 00" S 20° 48' 00" E	1150 m
Luacano		11° 13' 30" S 21° 39' 43" E	1063 m
(see also: Dilõlo, Lago Dilõlo, Luakanu, Lucano)			
Luakanu (see Luacano)		11° 13' 30" S 21° 39' 43" E	1063 m
Lucano (see Luacano)		11° 13' 30" S 21° 39' 43" E	1063 m
Luena		11° 47' 00" S 19° 55' 00" E	1291 m
(see also: Luene, Luso, Luzo, Vila Luso, Vila Luzo, Vila Luzu, Villa Luso)			
Luene (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Luso (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Luso, 105 km E (see Calundo, Lake)		11° 43' 00" S 20° 48' 00" E	1150 m
Luzo (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Tshiumbe River (see Chiumbe River), tributary of Kasai river		12° 26' 00" S 20° 48' 00" E	
Tyhumbwe River (see Chiumbe River), tributary of Kasai river		12° 26' 00" S 20° 48' 00" E	
Tyihumbwe River (see Chiumbe River), tributary of Kasai river		12° 26' 00" S 20° 48' 00" E	
Vila Luso (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Vila Luzo (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Vila Luzu (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Villa Luso (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
N Angola, Lower Cuanza region			
Namibe province			
(Courrier de) Humpata			
Fazenda Bumbo	ca.	15° 12' 00" S 13° 00' 00" E	ca. 700 m
Bibala		14° 46' 00" S 13° 21' 00" E	906 m
(see also: Biballa, Vila Arriaga, Villa Arriaga)			
Biballa (see Bibala)		14° 46' 00" S 13° 21' 00" E	906 m
(see also: Fazenda Cacanda)			
Capelopopo, near Virei (or Birei)	ca.	15° 43' 00" S 12° 57' 00" E	
Capolopopo		15° 54' 00" S 12° 48' 00" E	530 m
(see also: Fazenda Capolopopo)			
Fazenda Cacanda (see Biballa)		14° 46' 00" S 13° 21' 00" E	906 m
Fazenda Capolopopo (see Capolopopo)		15° 54' 00" S 12° 48' 00" E	530 m
Lubango, 30 km N (see Tunda Vala gorge)	ca.	14° 49' 00" S 13° 23' 00" E	
Moçâmedes (see Namibe)		15° 11' 46" S 12° 09' 08" E	44 m
Mossamedes (see Namibe)		15° 11' 46" S 12° 09' 08" E	44 m
Namibe		15° 11' 46" S 12° 09' 08" E	44 m
(see also: Moçâmedes, Mossamedes)			
Natundabala river (see Tunda Vala gorge)	ca.	14° 49' 00" S 13° 23' 00" E	
Tunda Vala gorge, 30 km N Lubango	ca.	14° 49' 00" S 13° 23' 00" E	
(see also: Lubango, 30 km N, Natundabala river)			
Vila Arriaga (see Bibala)		14° 46' 00" S 13° 21' 00" E	906 m
Villa Arriaga (see Bibala)		14° 46' 00" S 13° 21' 00" E	906 m
NE Angola			
N'Kuta, Loango			
Uige province			
Bungo		7° 26' 00" S 15° 23' 00" E	1122 m
Zaire province			
Ambrisette (see N'zeto)		7° 14' 00" S 12° 52' 00" E	6 m
Ambrizete (see N'zeto)		7° 14' 00" S 12° 52' 00" E	6 m
Ambrizette (see N'zeto)		7° 14' 00" S 12° 52' 00" E	6 m
Loango (see Luango)		6° 51' 00" S 13° 06' 00" E	258 m
Luango		6° 51' 00" S 13° 06' 00" E	258 m
(see also: Loango)			
Nóqui		5° 52' 30" S 13° 25' 56" E	
N'zeto		7° 14' 00" S 12° 52' 00" E	6 m
(see also: Ambrisette, Ambrizete, Ambrizette)			
Aoule (oasis)			
Azores [Portugal]			
San Miguel Island (see São Miguel Island)	ca.	37° 47' 00" N 25° 30' 00" W	
São Miguel Island	ca.	37° 47' 00" N 25° 30' 00" W	
(see also: San Miguel Island, St Michael)			
Ponta Delgada province	ca.	37° 44' 00" N 25° 40' 00" W	
Furnas, Lagoa das		37° 45' 00" N 25° 20' 00" W	303 m
(see also: Furnas, lake, Lake Furnas)			
Furnas, lake (see Furnas, Lagoa das)		37° 45' 00" N 25° 20' 00" W	303 m
Lake Furnas (see Furnas, Lagoa das)		37° 45' 00" N 25° 20' 00" W	303 m
Ribeira Grande, road to	ca.	37° 49' 00" N 25° 31' 00" W	
St Michael (see São Miguel Island)	ca.	37° 47' 00" N 25° 30' 00" W	
Terceira Island	ca.	38° 43' 00" N 27° 13' 00" W	
Bélinga or Lamto			
Bengale			

Benin			
(see also: "Dahomey")			
Alibori department			
Guéné		11° 44' 00" N 3° 13' 00" E	216 m
Kandi and Malanville, road between	ca.	11° 32' 00" N 3° 07' 00" E	
Kandi district			
Angaradébou, near Alfakouara		11° 19' 23" N 3° 02' 22" E	
Malanville district			
Badjékali (see Bodjékali)		11° 48' 34" N 3° 22' 59" E	252 m
Bodjécali (see Bodjékali)		11° 48' 34" N 3° 22' 59" E	252 m
Bodjékali		11° 48' 34" N 3° 22' 59" E	252 m
(see also: Badjékali, Bodjécali)			
Garou		11° 48' 13" N 3° 28' 44" E	252 m
Malanville		11° 52' 07" N 3° 23' 24" E	252 m
(see also: Mallanville)			
Mallanville (see Malanville)		11° 52' 07" N 3° 23' 24" E	252 m
Park W[est]	ca.	12° 00' 00" N 2° 50' 00" E	
Mékrou river	ca.	12° 18' 00" N 2° 40' 00" E	
Ségbana		10° 55' 40" N 3° 41' 35" E	255 m
Atacora department			
Nikki		9° 56' 00" N 3° 13' 00" E	423 m
Pendjari Biosphere Reserve	ca.	11° 20' 00" N 1° 30' 00" E	
(see also: Pendjari National Park)			
Pendjari National Park (see Pendjari Biosphere Reserve)	ca.	11° 20' 00" N 1° 30' 00" E	
Porga		11° 02' 56" N 0° 58' 21" E	151 m
Soubroukou		9° 41' 00" N 1° 38' 00" E	435 m
Atlantique department			
Agouagou (see Agouagon)		7° 59' 00" N 2° 18' 00" E	155 m
Aguagou / Cotonou		6° 21' 00" N 2° 26' 00" E	51 m
Appi (see Cotonou)		6° 21' 00" N 2° 26' 00" E	51 m
Catonou (see Cotonou)		6° 21' 00" N 2° 26' 00" E	51 m
Cotonou		6° 21' 00" N 2° 26' 00" E	51 m
(see also: Appi, Catonou, Kotonou, Kotonu)			
Kotonou (see Cotonou)		6° 21' 00" N 2° 26' 00" E	51 m
Kotonu (see Cotonou)		6° 21' 00" N 2° 26' 00" E	51 m
Kouandé		6° 24' 00" N 2° 04' 00" E	66 m
(see also: Kwade, Kwande)			
Kwade (see Kouandé)		6° 24' 00" N 2° 04' 00" E	66 m
Kwande (see Kouandé)		6° 24' 00" N 2° 04' 00" E	66 m
Whedda		6° 45' 00" N 2° 28' 00" E	
Borgou department			
Bembéréké (see Bimbéréké)		10° 14' 00" N 2° 40' 00" E	449 m
Bimbéréké		10° 14' 00" N 2° 40' 00" E	449 m
(see also: Bembéréké)			
Ouari-Maro forest		9° 10' 00" N 2° 10' 00" E	
Parakou		9° 21' 00" N 2° 37' 00" E	324 m
(see also: Paraku)			
Paraku (see Parakou)		9° 21' 00" N 2° 37' 00" E	324 m
Tourou		9° 21' 00" N 2° 33' 00" E	311 m
CentrPC:ZO|)			
Collines department			
Koko, near Zou river, near Bante		8° 22' 30" N 1° 50' 12" E	252 m
Savé		8° 02' 33" N 2° 29' 10" E	252 m
Couffo department			
Donga department			
Kani (see Manigri)		8° 58' 21" N 1° 43' 27" E	309 m
Manigri		8° 58' 21" N 1° 43' 27" E	309 m
(see also: Kani)			
Guéné - Nikki road			
Littoral department			
Mono department			
Adjigó (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Agoué		6° 14' 00" N 1° 41' 00" E	0 m
(see also: Adjigó, Agouve, Ague, Agwe, Agweh, Ajigo)			
Agouve (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Ague (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Agwe (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Agweh (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Ajigo (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Ghola (see Grand-Popo)		6° 19' 00" N 1° 57' 00" E	63 m
Grand-Popo		6° 19' 00" N 1° 57' 00" E	63 m
(see also: Ghola, Great Popo, Groß-Popo, Kpla)			
Great Popo (see Grand-Popo)		6° 19' 00" N 1° 57' 00" E	63 m
Groß-Popo (see Grand-Popo)		6° 19' 00" N 1° 57' 00" E	63 m

Kpla (see Grand-Popo)		6° 19' 00" N 1° 57' 00" E	63 m
Kpodave		6° 49' 00" N 1° 46' 00" E	
Lokossa, 10 mi [=16 km] S	ca.	6° 29' 00" N 1° 47' 00" E	
Lokossa, S of	ca.	6° 38' 00" N 1° 43' 00" E	
Ouémé department			
Aitedjou		6° 39' 00" N 2° 44' 00" E	36 m
(see also: Ayetédjoun)			
Ayetédjoun (see Aitedjou)		6° 39' 00" N 2° 44' 00" E	36 m
Borto-Novo (see Porto-Novo)		6° 29' 00" N 2° 37' 00" E	38 m
Kétou		7° 22' 00" N 2° 36' 00" E	112 m
(see also: Ketu)			
Ketu (see Kétou)		7° 22' 00" N 2° 36' 00" E	112 m
Porto Novas (see Porto-Novo)		6° 29' 00" N 2° 37' 00" E	38 m
Porto Novo National Botanical Garden (see Porto-Novo)		6° 29' 00" N 2° 37' 00" E	38 m
Porto-Novo		6° 29' 00" N 2° 37' 00" E	38 m
(see also: Borto-Novo, Porto Novas, Porto Novo National Botanical Garden, Portus Novus)			
Portus Novus (see Porto-Novo)		6° 29' 00" N 2° 37' 00" E	38 m
Parakou and Malanville, road between			
Plateau department			
Porto-Novo or Abomey			
Zou department			
(see also: Central region |PC:ZO|)			
Agouagon		7° 59' 00" N 2° 18' 00" E	155 m
(see also: Agouagou, Agwagon, Ajargon, Ajougon)			
Agwagon (see Agouagon)		7° 59' 00" N 2° 18' 00" E	155 m
Ajargon (see Agouagon)		7° 59' 00" N 2° 18' 00" E	155 m
Ajougon (see Agouagon)		7° 59' 00" N 2° 18' 00" E	155 m
Awaya, 10 km E Dassa	ca.	7° 45' 00" N 2° 15' 00" E	
Dhio (see Diho)		8° 05' 00" N 2° 31' 00" E	152 m
Diho		8° 05' 00" N 2° 31' 00" E	152 m
(see also: Dhio)			
Zizonkamé		7° 55' 00" N 2° 01' 00" E	
Biala-Fouanga cave			
Bornili (see Amwini River)			
Botswana			
Central district			
Artesia (see Mosomane)		24° 04' 00" S 26° 15' 00" E	
Dibete		23° 45' 00" S 26° 26' 00" E	
Mabeleapodi, 60 km W Sehithwa		22° 12' 47" S 26° 49' 59" E	
(see also: Mabeleapudi, Sehithwa, 60 km W, Sehitwa, 60 km W)			
Mabeleapudi (see Mabeleapodi), 60 km W Sehithwa		22° 12' 47" S 26° 49' 59" E	
Makarinkari, near			
Nekate		20° 05' 00" S 26° 01' 00" E	914 m
(see also: Nekati)			
Nekati (see Nekate)		20° 05' 00" S 26° 01' 00" E	914 m
Manzamnyama River (see Nata River)	ca.	20° 14' 00" S 26° 10' 00" E	
Mosomane		24° 04' 00" S 26° 15' 00" E	
(see also: Artesia)			
Motusi Village (see Seruli)		22° 17' 00" S 27° 23' 00" E	1026 m
Nata		20° 12' 00" S 26° 11' 00" E	909 m
Nata River	ca.	20° 14' 00" S 26° 10' 00" E	
(see also: Manzamnyama River)			
Nata, 35 mi [=56 km] SW (see N'kata)		20° 15' 00" S 26° 00' 00" E	
N'kata, 35 mi SW Nata		20° 15' 00" S 26° 00' 00" E	
(see also: Nata, 35 mi [=56 km] SW, N'kate)			
N'kate (see N'kata), 35 mi SW Nata		20° 15' 00" S 26° 00' 00" E	
Nthane		21° 22' 00" S 26° 22' 00" E	
Sehithwa, 10 mi [=16 km] SW		20° 43' 01" S 22° 37' 59" E	
(see also: Sehitwa, 10 mi [=16 km] SW)			
Sehithwa, 60 km W (see Mabeleapodi)		22° 12' 47" S 26° 49' 59" E	
Sehitwa, 10 mi [=16 km] SW (see Sehithwa, 10 mi [=16 km] SW)		20° 43' 01" S 22° 37' 59" E	
Sehitwa, 60 km W (see Mabeleapodi)		22° 12' 47" S 26° 49' 59" E	
Serowe, 40 mi [=64 km] NW	ca.	22° 23' 00" S 26° 43' 00" E	
Serowe, sewage ponds		22° 24' 11" S 26° 41' 34" E	
Serowe, village 2 km from	ca.	22° 25' 00" S 26° 44' 00" E	
Serula		21° 58' 00" S 27° 20' 00" E	
Seruli		22° 17' 00" S 27° 23' 00" E	1026 m
(see also: Motusi Village)			
Tamafuhi (see Tamafupi)		21° 16' 00" S 26° 10' 00" E	
Tamafupi		21° 16' 00" S 26° 10' 00" E	
(see also: Tamafuhi)			

Tamafupi, 33 km N	ca.	20° 57' 38" S 26° 16' 41" E	
Tuli Block, Gesond Ltd	ca.	22° 12' 00" S 28° 54' 00" E	
Zelu, 3 mi [=4.8 km] W	ca.	22° 10' 12" S 29° 12' 00" E	
Chobe district			
(see also: Kasane county)			
Kasane		17° 49' 00" S 25° 08' 00" E	708 m
Kasungula (see Kazungula)		17° 48' 14" S 25° 14' 29" E	
Kazungula		17° 48' 14" S 25° 14' 29" E	
(see also: Kasungula)			
Francistown city council			
Gaborone city council			
Ghanzi district			
Central Kalahari Game Reserve			
Kuke pan		23° 19' 00" S 24° 27' 00" E	1000 m
(see also: Kuki)			
Kuki (see Kuke pan)		23° 19' 00" S 24° 27' 00" E	1000 m
Gemsbok Pan, ca. 25 mi [=40 km] W Sunnyside		21° 40' 00" S 21° 39' 31" E	
(see also: Sunnyside, ca. 25 mi [=40 km] W)			
Kalahari			
Ghansi, 20 mi [=32 km] NE (see Ghanzi, 20 mi [=32 km] NE)		21° 42' 00" S 21° 39' 00" E	
Ghanzi, 20 mi [=32 km] NE		21° 42' 00" S 21° 39' 00" E	
(see also: Ghansi, 20 mi [=32 km] NE)			
Lethlakeng, Tshana		24° 05' 00" S 25° 03' 00" E	1056 m
(see also: Lethlaking)			
Lethlakeng, 11 mi [=17.7 km] SE, Tshana		24° 13' 00" S 25° 10' 00" E	
Lethlaking (see Lethlakeng), Tshana		24° 05' 00" S 25° 03' 00" E	1056 m
Tsohorogo			
Sunnyside, ca. 25 mi [=40 km] W (see Gemsbok Pan)		21° 40' 00" S 21° 39' 31" E	
Jwaneng town council			
Kgalagadi district			
Khuis		26° 39' 28" S 21° 50' 18" E	934 m
Tsane (see Tshane), Camp 8		24° 01' 00" S 21° 50' 00" E	1122 m
Tsane, 25 mi [=40 km] ENE		24° 00' 00" S 22° 13' 59" E	
Tshane, Camp 8		24° 01' 00" S 21° 50' 00" E	1122 m
(see also: Tsane)			
Vloorskop		25° 55' 01" S 20° 52' 01" E	959 m
Kgatleng district			
Kwai		19° 32' 00" S 23° 51' 00" E	
Kweneng district			
Molepolole		24° 24' 00" S 25° 31' 00" E	1189 m
Livingstone Cave		24° 15' 00" S 25° 30' 00" E	
Lobatse town council			
Mamono, 150 mi [=240 km] S			
(see also: Mamuno, 150 mi [=240 km] S)			
Mamuno, 150 mi [=240 km] S (see Mamono, 150 mi [=240 km] S)			
Nitani			
Northeast Bechuanaland (see Ngamiland district)			
North-East district			
Francistown		21° 10' 00" S 27° 31' 00" E	1001 m
North-West district			
Aha hills, 10 mi [=16 km] N	ca.	19° 40' 00" S 21° 00' 00" E	
Camp 7, 25 mi [=40 km] SSE Fort Rietfontein		22° 00' 00" S 21° 15' 00" E	
(see also: Fort Rietfontein, 25 mi [=40 km] SSE)			
Chitabe, Gomoti river, Okavango delta		19° 39' 30" S 23° 22' 07" E	950 m
Dautsa Flats, 14 mi [=22.5 km] W Sehithwa		20° 34' 48" S 22° 31' 48" E	
(see also: Sehithwa, 14 mi [=22.5 km] W, Sehitwa, 14 mi [=22.5] km W)			
Fort Rietfontein, 25 mi [=40 km] SSE (see Camp 7)		22° 00' 00" S 21° 15' 00" E	
Gomoti River, Film Camp, Okavango delta, Chitabe		19° 25' 33" S 23° 25' 01" E	
Gomoti River, Highbanks, Okavango delta, Chitabe		19° 25' 11" S 23° 24' 15" E	
Jao Camp, bordering Moremi Game Camp	ca.	19° 15' 00" S 23° 20' 00" E	
Kai Kai, 18 mi [=29 km] SE	ca.	20° 00' 00" S 21° 15' 00" E	
Kaikai, 20 mi [=32 km] SE		18° 52' 00" S 21° 22' 00" E	
Kaporota Training Camp, Vumbura Plains; Zambezi Pan area on Ronnie's Road		19° 00' 25" S 22° 55' 40" E	
Kaporota Training Camp, 5.7 km N		18° 59' 51" S 22° 55' 24" E	
Kasane county (see Chobe district)			
Khwai Lodge, 12.9 km W		19° 07' 00" S 23° 35' 00" E	1005 m
Khwai Lodge, 8 km W		19° 07' 00" S 23° 35' 00" E	
Khwai Lodge, 9 km W		19° 06' 00" S 23° 34' 00" E	
Kwara Reserve (NG/20)		18° 55' 37" S 23° 19' 56" E	
Maun, ca. 80 mi [=129 km] NW (see Splash Camp)		19° 05' 00" S 23° 06' 00" E	
Splash Camp, ca. 80 mi [=129 km] NW Maun		19° 05' 00" S 23° 06' 00" E	
(see also: Maun, ca. 80 mi [=129 km] NW)			

Kwebe Hills, 18 mi [=29km] NW		20° 16' 01" S 22° 52' 01" E	
Kwi-Habe Hills			
Drodsky Caves		20° 07' 00" S 21° 22' 00" E	
(see also: Drotsky Cave, Drotsky's Caves, Kai Kai, 25 mi [=40 km] SE)			
Drotsky Cave (see Drodsky Caves)		20° 07' 00" S 21° 22' 00" E	
Drotsky's Caves (see Drodsky Caves)		20° 07' 00" S 21° 22' 00" E	
Kai Kai, 25 mi [=40 km] SE (see Drodsky Caves)		20° 07' 00" S 21° 22' 00" E	
Maun county			
Maun		19° 59' 00" S 23° 25' 00" E	927 m
(see also: Mawn)			
Maun, 12 km NE (see Okavango River Lodge)		20° 37' 00" S 22° 38' 00" E	
Maun, 3 km S (see Tsanogo)	ca.	19° 59' 00" S 23° 25' 00" E	
Mawn (see Maun)		19° 59' 00" S 23° 25' 00" E	927 m
Okavango River Lodge, 12 km NE Maun		20° 37' 00" S 22° 38' 00" E	
(see also: Maun, 12 km NE)			
Mohembo, Ngamiland		18° 18' 00" S 21° 48' 00" E	997 m
Moremi Game Reserve, Kwaai River		19° 22' 04" S 23° 03' 26" E	
Kwaai River		19° 10' 00" S 23° 30' 00" E	
Ngami, lake		20° 30' 00" S 22° 40' 00" E	
Ngamiland district			
(see also: Northeast Bechuanaland)			
Chobe National Park			
Goho Hills		18° 22' 30" S 24° 07' 30" E	
Mababe Flats		18° 45' 00" S 24° 15' 00" E	
Tsotsoroga Pan		18° 43' 00" S 24° 21' 00" E	
Zweizwe Waterhole, North of Tsotsoroga Pan		18° 36' 00" S 24° 22' 00" E	
(see also: Zweizwi River Waterhole)			
Zweizwi River Waterhole (see Zweizwe Waterhole), North of Tsotsoroga Pan		18° 36' 00" S 24° 22' 00" E	
Nokanen (see Nokaneng)		19° 40' 00" S 22° 16' 00" E	957 m
Nokaneng		19° 40' 00" S 22° 16' 00" E	957 m
(see also: Nokanen, Nokaning)			
Nokaneng, 15 mi [=24 km] N		19° 25' 00" S 22° 16' 00" E	
Nokaneng, 25 mi [=40 km] NE			
Nokaning (see Nokaneng)		19° 40' 00" S 22° 16' 00" E	957 m
Okavango			
Kurunxaraga, Cement Camp		19° 37' 30" S 22° 52' 30" E	
Okavango River			
Four Rivers Camp		19° 03' 00" S 23° 10' 00" E	
Pandamatenga, 130 km SW		19° 15' 00" S 24° 45' 00" E	
Pandamatenga, 140 km SW		19° 15' 00" S 24° 45' 00" E	
Pom Pom Okovango		19° 37' 30" S 22° 52' 30" E	
Sehithwa, 14 mi [=22.5 km] W (see Dautsa Flats)		20° 34' 48" S 22° 31' 48" E	
Sehitwa, 14 mi [=22.5] km W (see Dautsa Flats)		20° 34' 48" S 22° 31' 48" E	
Selinda Spillway		18° 35' 00" S 23° 33' 00" E	
Sepopa		18° 37' 00" S 22° 07' 00" E	
(see also: Sepope)			
Sepope (see Sepopa)		18° 37' 00" S 22° 07' 00" E	
Seronga, 116.5 km ESE	ca.	19° 00' 00" S 23° 00' 00" E	1005 m
Seronga, 72 km ESE		19° 06' 00" S 21° 48' 00" E	1000 m
Shakawe, Ngamiland		18° 21' 00" S 21° 52' 00" E	983 m
Shakawe, 15 mi [=24 km] S	ca.	18° 37' 00" S 21° 52' 00" E	
Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S		18° 33' 00" S 21° 18' 00" E	
Shakawe, 70 km SW	ca.	18° 33' 00" S 21° 01' 00" E	
Shakawe, near, Okavango River		18° 22' 00" S 21° 51' 00" E	
Toteng		20° 23' 00" S 22° 57' 00" E	940 m
Tsanogo, Maun, 3 km S	ca.	19° 59' 00" S 23° 25' 00" E	
(see also: Maun, 3 km S)			
Tsau		20° 09' 00" S 22° 27' 00" E	958 m
Tsodilo Hills		18° 45' 00" S 21° 46' 00" E	
Xugana		19° 05' 00" S 23° 06' 00" E	975 m
Xugana, 13 mi [=21 km] N		18° 57' 00" S 22° 52' 59" E	975 m
Selibe Phikwe town council			
South-East district			
Gaberones Village, 5 mi [=8 km] W (see Gaborone, 5 mi [=8 km] W)	ca.	24° 39' 00" S 25° 54' 00" E	
Gaberones, 5 mi [=8 km] W (see Gaborone, 5 mi [=8 km] W)	ca.	24° 39' 00" S 25° 54' 00" E	
Gaborone, 5 mi [=8 km] W	ca.	24° 39' 00" S 25° 54' 00" E	
(see also: Gaberones Village, 5 mi [=8 km] W, Gaberones, 5 mi [=8 km] W)			
Southern district			
Digomo De Kai		24° 52' 01" S 24° 31' 01" E	
Kanye, near Lobatse		24° 59' 00" S 25° 19' 00" E	1306 m
(see also: Kaoye)			

Kaoye (see Kanye), Lobatsi district		24° 59' 00" S 25° 19' 00" E	1306 m
Lobatsi district			
Lobatse		25° 13' 00" S 25° 40' 00" E	1188 m
(see also: Lobatsi)			
Lobatsi (see Lobatse)		25° 13' 00" S 25° 40' 00" E	1188 m
Sowa Town town council			
Bourbon, île (see Réunion)	ca.	21° 06' 00" S 55° 36' 00" E	
Burkina Faso			
(see also: "Haute Volta")			
Boucle du Mouhoun region			
Bam province			
Boulzanga (see Bourzanga)		13° 40' 41" N 1° 32' 46" W	304 m
Bourzanga		13° 40' 41" N 1° 32' 46" W	304 m
(see also: Boulzanga, Bourzenga)			
Bourzenga (see Bourzanga)		13° 40' 41" N 1° 32' 46" W	304 m
Oulo		11° 54' 00" N 2° 59' 00" W	304 m
Banwa province			
Kossi province			
Konankira		12° 54' 00" N 3° 54' 00" W	254 m
(see also: Konankoïna, Konankoïne, Konankoira)			
Konankoïna (see Konankira)		12° 54' 00" N 3° 54' 00" W	254 m
Konankoïne (see Konankira)		12° 54' 00" N 3° 54' 00" W	254 m
Konankoira (see Konankira)		12° 54' 00" N 3° 54' 00" W	254 m
Nouna, Southwest San and Koudougou		12° 44' 00" N 3° 52' 00" W	261 m
Mouhoun province			
Nayala province			
Sourou province			
Bujumbura			
Cascades region			
Comoé province			
Comoe River		9° 57' 00" N 4° 38' 00" W	260 m
Koutoura, 5 km SW		10° 19' 00" N 4° 53' 00" W	ca. 300 m
Sidéradougou		10° 40' 00" N 4° 15' 00" W	304 m
(see also: Siradougou)			
Siradougou (see Sidéradougou)		10° 40' 00" N 4° 15' 00" W	304 m
Léroba province			
Centre region			
Kadiogo province			
Ouagadouga (see Ouagadougou)		12° 22' 13" N 1° 31' 29" W	305 m
Ouagadougou		12° 22' 13" N 1° 31' 29" W	305 m
(see also: Ouagadouga, Wagadugu)			
Wagadugu (see Ouagadougou)		12° 22' 13" N 1° 31' 29" W	305 m
Centre-Est region			
Boulgou province			
Cella		11° 37' 00" N 0° 22' 00" W	228 m
(see also: Sella)			
Cella, 1 km N		11° 38' 00" N 0° 22' 00" W	ca. 230 m
(see also: Sella, 1 km N)			
Sella (see Cella)		11° 37' 00" N 0° 22' 00" W	228 m
Sella, 1 km N (see Cella, 1 km N)		11° 38' 00" N 0° 22' 00" W	ca. 230 m
Koupélogo province			
Natiaboani		11° 41' 57" N 0° 30' 22" E	268 m
Kourritenga province			
Centre-Nord region			
Balé province			
Borom (see Boromo)		11° 45' 00" N 2° 56' 00" W	242 m
Boromo		11° 45' 00" N 2° 56' 00" W	242 m
(see also: Borom)			
Namentenga province			
Centre-Ouest region			
Boulkiemdé province			
Goden		12° 12' 00" N 2° 04' 00" W	308 m
Sanguié province			
Sanmatenga province			
Boussouma, 5 km N		12° 55' 00" N 1° 05' 00" W	ca. 300 m
Sissili province			
Park National de Post Office (see Pô National Park)		11° 20' 00" N 1° 10' 00" W	
Pô National Park		11° 20' 00" N 1° 10' 00" W	
(see also: Park National de Post Office, Post Office National Park)			
Post Office National Park (see Pô National Park)		11° 20' 00" N 1° 10' 00" W	
Ziro province			
Centre-Sud region			
Bazéga province			
Nahouri province			
Nazinga (Game Ranch)		11° 11' 06" N 1° 29' 04" W	

Piyiri, 7 km N			
Zoundwéogo province			
Nobéré, 1 km S		11° 26' 00" N 1° 10' 00" W	
Nobéré, 1.5 km S		11° 36' 00" N 1° 18' 00" W	
Nobéré, 11 km S	ca.	11° 37' 00" N 1° 18' 00" W	
Nobéré, 12 km S	ca.	11° 37' 00" N 1° 18' 00" W	
Nobéré, 2 km S		11° 26' 00" N 1° 10' 00" W	
Nobéré, 9 mi [=14.5 km] S	ca.	11° 26' 00" N 1° 10' 00" W	
Dio		13° 20' 00" N 2° 38' 00" W	371 m
Est region			
Gnagna province			
Tatarko		13° 29' 00" N 0° 02' 00" W	
Gourma province			
Fada Ngourma (see Fada N'Gourma)		12° 03' 44" N 0° 21' 28" E	294 m
Fada N'Gourma		12° 03' 44" N 0° 21' 28" E	294 m
(see also: Fada Ngourma, Fada-n-Gurma)			
Fada-n-Gurma (see Fada N'Gourma)		12° 03' 44" N 0° 21' 28" E	294 m
Nayouré		12° 16' 00" N 0° 15' 00" E	296 m
(see also: Nayouri, Nayuri)			
Nayouré, 3 km SE		12° 15' 00" N 0° 16' 00" E	
(see also: Nayouri, 3 km SE, Nayuri, 3 km SE)			
Nayouri (see Nayouré)		12° 16' 00" N 0° 15' 00" E	296 m
Nayouri, 3 km SE (see Nayouré, 3 km SE)		12° 15' 00" N 0° 16' 00" E	
Nayuri (see Nayouré)		12° 16' 00" N 0° 15' 00" E	296 m
Nayuri, 3 km SE (see Nayouré, 3 km SE)		12° 15' 00" N 0° 16' 00" E	
Komondjari province			
Kompienga province			
Tapoa province			
Arly		11° 35' 00" N 1° 28' 00" E	226 m
(see also: Azly)			
Arly National Park		11° 34' 00" N 1° 26' 00" E	ca. 225 m
Azly (see Arly)		11° 35' 00" N 1° 28' 00" E	226 m
Hauts-Bassins region			
Bobo Diulasas (see Bobo-Dioulasso)		11° 10' 38" N 4° 17' 52" W	508 m
Bobo-Dioulasso		11° 10' 38" N 4° 17' 52" W	508 m
(see also: Bobo Diulasas, Bobo-Diulasso, Bobodjulaso)			
Bobo-Diulasso (see Bobo-Dioulasso)		11° 10' 38" N 4° 17' 52" W	508 m
Bobodjulaso (see Bobo-Dioulasso)		11° 10' 38" N 4° 17' 52" W	508 m
Houet province			
Fô		11° 53' 00" N 4° 31' 00" W	453 m
Kénédougou province			
Orodara, 27 km ENE		11° 04' 00" N 4° 41' 00" W	
Koumbia		11° 14' 00" N 3° 42' 00" W	317 m
(see also: Kumbia)			
Kumbia (see Koumbia)		11° 14' 00" N 3° 42' 00" W	317 m
Tuy province			
Finza (see Founzan)		11° 27' 00" N 3° 14' 00" W	270 m
Fonzan (see Founzan)		11° 27' 00" N 3° 14' 00" W	270 m
Founzan		11° 27' 00" N 3° 14' 00" W	270 m
(see also: Finza, Fonzan, Fouzan)			
Fouzan (see Founzan)		11° 27' 00" N 3° 14' 00" W	270 m
Nord region			
Loroum province			
Passoré province			
Yatenga province			
Barga		13° 47' 00" N 2° 16' 00" W	331 m
Barga, 9 km NE		13° 51' 00" N 2° 12' 00" W	
Séguénéga, 6 km SE		13° 24' 00" N 1° 55' 01" W	
Zondame province			
Ouagadougou and Bobodioulasso, village between	ca.	11° 45' 00" N 2° 56' 02" W	
Plateau Central region			
Ganzourgou province			
Ongarou (see Ougarou)		12° 09' 16" N 0° 55' 47" W	261 m
Ouarou (see Ougarou)		12° 09' 16" N 0° 55' 47" W	261 m
Ougarou		12° 09' 16" N 0° 55' 47" W	261 m
(see also: Ongarou, Ouarou, Waru)			
Waru (see Ougarou)		12° 09' 16" N 0° 55' 47" W	261 m
Kourwéogo province			
Oubritenga province			
Sahel region			
Oudalan province			
Markoy, 30 km N (see Markoye, 30 km N)		14° 54' 00" N 0° 04' 01" E	
Markoye, 30 km N		14° 54' 00" N 0° 04' 01" E	
(see also: Markoy, 30 km N)			

Oursi		14° 40' 36" N 0° 27' 19" W	266 m
(see also: Oursy)			
Tazawat	ca.	14° 40' 36" N 0° 27' 19" W	
Oursy (see Oursi)		14° 40' 36" N 0° 27' 19" W	266 m
Pétoy (see Pétoye)		14° 35' 00" N 0° 22' 00" W	303 m
Pétoye		14° 35' 00" N 0° 22' 00" W	303 m
(see also: Pétoy)			
Tambao		14° 48' 00" N 0° 06' 00" E	
Séno province			
Diomga		14° 04' 00" N 0° 03' 00" W	281 m
(see also: Dionga)			
Dionga (see Diomga)		14° 04' 00" N 0° 03' 00" W	281 m
Gorgadji, 17 km E		14° 02' 00" N 0° 22' 00" W	ca. 300 m
Soum province			
Yagha province			
Sud-Ouest region			
Bougouriba province			
Diebougou (Airport)		10° 57' 00" N 3° 15' 00" W	984 ft
Ioba province			
Bontioli		10° 53' 00" N 3° 04' 00" W	264 m
Djipologo		10° 56' 00" N 3° 07' 00" W	253 m
(see also: Jipologo)			
Jipologo (see Djipologo)		10° 56' 00" N 3° 07' 00" W	253 m
Noumbiel province			
Poni province			
Lawra, frontier Ghana-Burkina Fasso	ca.	10° 38' 56" N 2° 56' 17" W	
Burundi			
Bubanza province			
Gihanga		3° 11' 41" S 29° 17' 43" E	814 m
(see also: Kihanga)			
Imbo		3° 13' 00" S 29° 20' 00" E	
Karonge		3° 02' 43" S 29° 20' 01" E	1226 m
Kihanga (see Gihanga)		3° 11' 41" S 29° 17' 43" E	814 m
Rusizi		3° 16' 00" S 29° 14' 00" E	
Bujumbura-Mairie province			
Bujumbura		3° 23' 00" S 29° 22' 00" E	794 m
(see also: Usumbura)			
Zimet Quarter		3° 24' 00" S 29° 21' 00" E	
Bujumbura, 7 km NW		3° 21' 00" S 29° 18' 00" E	
(see also: Bujumbura, 7 km NW)			
Kaniosha (see Kanyosha)		3° 24' 41" S 29° 21' 40" E	844 m
Kanyosha		3° 24' 41" S 29° 21' 40" E	844 m
(see also: Kaniosha)			
Usumbura (see Bujumbura)		3° 23' 00" S 29° 22' 00" E	794 m
Bujumbura-Rural province			
Buhonga		3° 25' 59" S 29° 24' 46" E	1529 m
Mutumba Mission		3° 35' 00" S 29° 22' 00" E	
Rushubi mine		3° 20' 55" S 29° 29' 11" E	ca. 1743 m
Rusizi delta		3° 21' 00" S 29° 16' 00" E	
(see also: Russissi, bank)			
Russissi, bank (see Rusizi delta)		3° 21' 00" S 29° 16' 00" E	
Bururi province			
Bururi		3° 57' 04" S 29° 37' 00" E	1836 m
Bururi Forest Reserve		3° 56' 20" S 29° 35' 50" E	
(see also: Bururi, réserve naturelle forestière de)			
Mumushwizi Valley		3° 55' 11" S 29° 35' 01" E	1880 m
Nyagatarugwa River Valley		3° 55' 00" S 29° 35' 00" E	1785 m
Ruhinga Hill		3° 55' 13" S 29° 35' 18" E	2170 m
Bururi, réserve naturelle forestière de (see Bururi Forest Reserve)		3° 56' 20" S 29° 35' 50" E	
Ijenda Mission		3° 39' 00" S 29° 34' 00" E	
Kiremba Mission		3° 56' 00" S 29° 41' 00" E	
Tora		3° 41' 15" S 29° 33' 40" E	2186 m
Cankuzo province			
Kigamba		3° 04' 00" S 30° 31' 00" E	1532 m
Murore		3° 11' 15" S 30° 39' 45" E	1826 m
Cibitoke province			
Buhoro, 10 km W Mabaye		2° 41' 55" S 29° 11' 08" E	1453 m
(see also: Mabaye, 10 km W)			
Bukinanyana Commune		2° 52' 50" S 29° 20' 10" E	1543 m
Colline Giserama (see Giserama, colline), Kibira National Park, Ndora Zone		2° 50' 27" S 29° 25' 07" E	2045 m
Colline Kwogofe (see Kwogofe, colline), Kibira National Park, Ndora Zone		2° 50' 00" S 29° 25' 00" E	

Giserama, colline, Kibira National Park, Ndora Zone (see also: Colline Giserama, Kirumura, 1.1 - 2.1 km N, 0.8 - 1.1 km E)		2° 50' 27" S 29° 25' 07" E	2045 m
Kirumura, 1.1 - 2.1 km N, 0.8 - 1.1 km E (see Giserama, colline), Kibira National Park, Ndora Zone		2° 50' 27" S 29° 25' 07" E	2045 m
Kwogofe, colline, Kibira National Park, Ndora Zone (see also: Colline Kwogofe)		2° 50' 00" S 29° 25' 00" E	
Cibitoke		2° 53' 13" S 29° 07' 29" E	1020 m
Mabaye (see Mabayi)		2° 42' 30" S 29° 14' 35" E	1436 m
Mabaye, 10 km W (see Buhoro)		2° 41' 55" S 29° 11' 08" E	1453 m
Mabayi (see also: Mabaye)		2° 42' 30" S 29° 14' 35" E	1436 m
Giheta		3° 20' 00" S 29° 50' 00" E	
Gitega province			
Buhanga		3° 39' 00" S 29° 58' 55" E	1828 m
Gitega (see also: Kitega)		3° 25' 35" S 29° 55' 51" E	1845 m
Kibimba Mission		3° 18' 00" S 29° 48' 32" E	1730 m
Kitega (see Gitega)		3° 25' 35" S 29° 55' 51" E	1845 m
Mweya, near Gitega		3° 29' 25" S 29° 55' 42" E	1762 m
Karuzi province			
Kayanza province			
Kayanza		2° 55' 20" S 29° 37' 20" E	1957 m
Kayanza, 15 km W (see Rwegura)		2° 55' 05" S 29° 31' 10" E	2311 m
Rwegura (see also: Kayanza, 15 km W)		2° 55' 00" S 29° 31' 10" E	2311 m
Kirundo province			
Cohoha, lake (see also: Lac Cohoha, Lake Cohoha)		2° 30' 00" S 30° 07' 00" E	
Kanyinya		2° 35' 25" S 30° 04' 55" E	1508 m
Kinazi		2° 23' 00" S 29° 58' 00" E	
Lac Cohoha (see Cohoha, lake)		2° 30' 00" S 30° 07' 00" E	
Lake Cohoha (see Cohoha, lake)		2° 30' 00" S 30° 07' 00" E	
Vumbi (see Vumbi-Bukuba)		2° 41' 56" S 30° 06' 13" E	1788 m
Vumbi-Bukuba (see also: Vumbi)		2° 41' 56" S 30° 06' 13" E	1788 m
Makamba province			
Bukara		4° 06' 37" S 29° 46' 41" E	
Gifuruzi (see Kifuruzi)		4° 18' 57" S 29° 35' 06" E	
Grotte de Rubindi (see Rubindi)		4° 15' 37" S 29° 34' 31" E	997 m
Kifuruzi (see also: Gifuruzi)		4° 18' 57" S 29° 35' 06" E	
Makamba		4° 08' 05" S 29° 48' 18" E	1472 m
Nyankende		3° 55' 00" S 30° 00' 00" E	
Nyanza (see Nyanza-Lac)		4° 20' 39" S 29° 35' 37" E	772 m
Nyanza territory	ca.	4° 20' 00" S 29° 35' 43" E	
Nyanza-Lac (see also: Nyanza)		4° 20' 39" S 29° 35' 37" E	772 m
Nyanza-Lac, 10 km N	ca.	4° 20' 08" S 29° 35' 43" E	
Rubindi (see also: Grotte de Rubindi)		4° 15' 37" S 29° 34' 31" E	997 m
Muramvya province			
Kibira National Park, 2.3 km N, 0.7 km W Teza (see also: Teza, 2.3 km N, 0.7 km W)		3° 12' 57" S 29° 33' 49" E	
Bukeye commune, Nyamugari hill		3° 11' 40" S 29° 38' 30" E	1875 m
Nyamugari hill		3° 18' 00" S 29° 45' 00" E	2590 m
Teza, 2.3 km N, 0.7 km W (see Kibira National Park)		3° 12' 57" S 29° 33' 49" E	
Muyinga province			
Rugari mission		2° 43' 45" S 30° 24' 00" E	1651 m
Mwaro province			
Muyebe		3° 29' 49" S 29° 46' 44" E	1764 m
Rwintare (see also: Rwintare Mission)		3° 30' 46" S 29° 39' 28" E	2111 m
Rwintare Mission (see Rwintare)		3° 30' 46" S 29° 39' 28" E	2111 m
Ngozi province			
Busiga		2° 52' 35" S 29° 44' 03" E	1829 m
Rumonge province			
Bujumbura, 60 km S (see Resha)		3° 54' 00" S 29° 24' 00" E	
Kigwena Hill		4° 08' 38" S 29° 32' 07" E	918 m
Resha, 60 km S Bujumbura (see also: Bujumbura, 60 km S)		3° 54' 00" S 29° 24' 00" E	
Rumonge		3° 58' 20" S 29° 26' 20" E	809 m
Rutana province			
Mpinga cave (see Mpinga Mission)		3° 44' 10" S 30° 10' 40" E	1930 m

Mpinga Mission, 46 km from Rutana		3° 44' 10" S 30° 10' 40" E	1930 m
(see also: Mpinga cave, Rutana, 46 km from)			
Rutana		3° 55' 09" S 29° 59' 37" E	1810 m
Rutana, 46 km from (see Mpinga Mission)		3° 44' 10" S 30° 10' 40" E	1930 m
Ruyigi province			
Bweru		3° 19' 25" S 30° 28' 15" E	1684 m
Nyankanda, protestant mission		3° 17' 25" S 30° 19' 05" E	1553 m
Ruyigi		3° 28' 35" S 30° 14' 55" E	1842 m
Caffraria?			
Cameroon			
Adamaoua region			
Adamaoua plateau			
Banyo, 30 km ESE	ca.	6° 47' 00" N 12° 00' 00" E	
Bini, Lac (see Bini, Lake)		7° 26' 00" N 13° 33' 00" E	
Bini, Lake		7° 26' 00" N 13° 33' 00" E	
(see also: Bini, Lac, Lac Bini, Lake Bini)			
Daré, 10 km N (see Mayo Darlé, 10 km N)	ca.	6° 28' 00" N 11° 33' 00" E	
Daré, 6 km N (see Mayo Darlé, 6 km N)	ca.	6° 28' 00" N 11° 33' 00" E	
Djohong		6° 50' 00" N 14° 42' 00" E	1242 m
(see also: Doumba)			
Doumba (see Djohong)		6° 50' 00" N 14° 42' 00" E	1242 m
Galim		7° 06' 00" N 12° 29' 00" E	1120 m
Lac Bini (see Bini, Lake)		7° 26' 00" N 13° 33' 00" E	
Lake Bini (see Bini, Lake)		7° 26' 00" N 13° 33' 00" E	
Mayo Daré, 10 km N (see Mayo Darlé, 10 km N)	ca.	6° 28' 00" N 11° 33' 00" E	
Mayo Daré, 6 km N (see Mayo Darlé, 6 km N)	ca.	6° 28' 00" N 11° 33' 00" E	
Mayo Darlé, 10 km N	ca.	6° 28' 00" N 11° 33' 00" E	
(see also: Daré, 10 km N, Mayo Daré, 10 km N)			
Mayo Darlé, 6 km N	ca.	6° 28' 00" N 11° 33' 00" E	
(see also: Daré, 6 km N, Mayo Daré, 6 km N)			
Mbakaou		6° 19' 00" N 12° 49' 00" E	833 m
Meiganda (see Meïganga)		6° 31' 00" N 14° 18' 00" E	978 m
Meïganga		6° 31' 00" N 14° 18' 00" E	978 m
(see also: Meiganda)			
Meng River, 6 km NW Tibati		6° 28' 00" N 12° 38' 00" E	
(see also: Tibati, 6 km NW)			
Ngaoundéré		7° 19' 00" N 13° 35' 00" E	1212 m
(see also: Ngaundéré)			
Ngaoundéré, 13 km S		7° 12' 00" N 13° 36' 00" E	
Ngaoundéré, 14 km N	ca.	7° 20' 00" N 13° 35' 00" E	
Ngaoundéré, 14 km S		7° 19' 00" N 13° 35' 00" E	
Ngaoundéré, 85 km S			
Ngaundéré (see Ngaoundéré)		7° 19' 00" N 13° 35' 00" E	1212 m
Tello		7° 10' 00" N 14° 11' 00" E	1426 m
Tibati		6° 28' 00" N 12° 38' 00" E	838 m
Tibati air strip		6° 28' 00" N 12° 38' 00" E	748 m
Tibati, 6 km NW (see Meng River)		6° 28' 00" N 12° 38' 00" E	
Wakwa		7° 14' 00" N 13° 35' 00" E	1143 m
Balue mountains			
Bamumbo			
Banjun			
Batanga			
Bertoua, 30 km W		4° 35' 00" N 13° 25' 00" E	
Bonge			
Buea station, 40 km N		4° 16' 00" N 9° 24' 00" E	
Camp V			
Mueli		4° 23' 00" N 9° 07' 00" E	600 m
Centre region			
Ajos Höhe (see Ayos Heights)		3° 54' 00" N 12° 31' 00" E	578 m
Akomolinga (see Akonolinga)		3° 46' 00" N 12° 15' 00" E	520 m
Akonolinga		3° 46' 00" N 12° 15' 00" E	520 m
(see also: Akomolinga)			
Ayos Heights		3° 54' 00" N 12° 31' 00" E	
(see also: Ajos Höhe)			
Ayos, 67 km W (see Njombo River)		3° 39' 00" N 11° 58' 00" E	457 m
Ayos, near		3° 53' 00" N 12° 31' 00" E	
(see also: Mben River)			
Bafia area	ca.	4° 45' 00" N 11° 14' 00" E	ca. 467 m
Bukamba (see Ngoumé)		5° 29' 00" N 11° 24' 00" E	681 m
Dokoa		4° 22' 00" N 11° 44' 00" E	469 m
(see also: Ondokoa)			
Ebogo, 10 km SW Mbalmayo		3° 24' 00" N 11° 28' 00" E	316 m
Ekongolo Sanaga, near Nachtigal		4° 21' 00" N 11° 41' 00" E	
Eseka (see Eséka)		3° 39' 00" N 10° 46' 00" E	245 m
Eséka		3° 39' 00" N 10° 46' 00" E	245 m
(see also: Eseka)			

Eséka, 3 km S, 3 km W		3° 37' 00" N 10° 45' 00" E	
Eseka, 5 km SW (see Eséka, 5 km SW)		3° 37' 00" N 10° 45' 00" E	
Eséka, 5 km SW		3° 37' 00" N 10° 45' 00" E	
(see also: Eseka, 5 km SW)			
Eseka, 9 km N (see Eséka, 9 km N)		3° 39' 00" N 10° 46' 00" E	
Eséka, 9 km N		3° 39' 00" N 10° 46' 00" E	
(see also: Eseka, 9 km N)			
Eyen Meyong (see Eyenméyong)		4° 11' 00" N 11° 13' 00" E	484 m
Eyenméyong		4° 11' 00" N 11° 13' 00" E	484 m
(see also: Eyen Meyong)			
Jaúnde (see Yaoundé)		3° 52' 00" N 11° 31' 00" E	726 m
Joko, 34 km S (see Yoko, 34 km S)		5° 31' 00" N 12° 18' 00" E	
Lékoun		4° 13' 00" N 11° 14' 00" E	499 m
Malako River, Ntui, 5 km N		4° 27' 00" N 11° 37' 00" E	
(see also: Ntui, 5 km N)			
Mbalmajo (see Mbalmayo)		3° 31' 00" N 11° 30' 00" E	335 m
Mbalmayo		3° 31' 00" N 11° 30' 00" E	335 m
(see also: Mbalmajo)			
Mbalmayo road	ca.	3° 31' 00" N 11° 30' 00" E	
Mbalmayo, near	ca.	3° 31' 00" N 11° 30' 00" E	
Mben River (see Ayos, near)		3° 53' 00" N 12° 31' 00" E	
Mbonde Pygmee, N of Bafia	ca.	5° 22' 00" N 11° 16' 00" E	
Mebueme Village (see Mengémé Village)		3° 15' 00" N 11° 24' 00" E	591 m
Mebueme, 6 km W (see Soumou River)		3° 15' 00" N 11° 24' 00" E	
Melen		3° 51' 00" N 11° 30' 00" E	
Mengueme River, 6 km W (see Soumou River)		3° 18' 00" N 11° 30' 00" E	
Metek (see Métet), 62 km NNW Sangmélima		3° 26' 00" N 11° 45' 00" E	485 m
Metet (see Métet), Sangmelima, 62 km NNW		3° 26' 00" N 11° 43' 00" E	485 m
Métet, 62 km NNW Sangmélima		3° 26' 00" N 11° 45' 00" E	485 m
(see also: Metek, Metet, Nyong River, near, Sangmélima, 62 km NNW)			
Mvé II, 60 km W Yaoundé, on Ayos road		3° 54' 00" N 11° 43' 00" E	752 m
Mvoutési II, 60 km W Yaoundé, on Ayos road		3° 15' 00" N 11° 48' 00" E	614 m
(see also: Yaoundé, 60 km W, on Ayos road)			
Nachtigal		4° 21' 00" N 11° 38' 00" E	454 m
Nanga-Eboko, 30 km E		4° 41' 00" N 12° 22' 00" E	631 m
Nanga-Eboko, 82 km NE			
Ndjolé		4° 49' 00" N 11° 56' 00" E	608 m
(see also: Ndjoré)			
Ndjolé, 4 km N	ca.	4° 49' 00" N 11° 56' 00" E	ca. 600 m
Ndjolé, 6 km N	ca.	4° 49' 00" N 11° 56' 00" E	ca. 600 m
Ndjoré (see Ndjolé)		4° 49' 00" N 11° 56' 00" E	608 m
Ndokoa		4° 22' 00" N 11° 44' 00" E	
N'Dui (see Ntui)		4° 27' 00" N 11° 38' 00" E	558 m
Ngome's (see Ngoumé)		5° 29' 00" N 11° 24' 00" E	681 m
Ngoumé		5° 29' 00" N 11° 24' 00" E	681 m
(see also: Bukamba, Ngome's)			
Njombo River, 67 km W Ayos		3° 39' 00" N 11° 58' 00" E	ca. 457 m
(see also: Ayos, 67 km W)			
Nkometou		4° 03' 00" N 11° 33' 00" E	613 m
Ntui		4° 27' 00" N 11° 38' 00" E	558 m
(see also: N'Dui, Ntwi)			
Ntui, 11 km N	ca.	4° 27' 00" N 11° 38' 00" E	
Ntui, 5 km N (see Malako River)	ca.	4° 27' 00" N 11° 38' 00" E	
Ntui, 7 km N	ca.	4° 27' 00" N 11° 38' 00" E	
Ntwi (see Ntui)		4° 27' 00" N 11° 38' 00" E	558 m
Nyong River, near (see Métet)		3° 26' 00" N 11° 45' 00" E	485 m
Obala, 55 km NE	ca.	4° 22' 00" N 11° 58' 00" E	
Obala, 6 km E (by road)	ca.	4° 10' 00" N 11° 32' 00" E	
Okola		4° 01' 00" N 11° 23' 00" E	700 m
Ondokoa (see Dokoa)		4° 22' 00" N 11° 44' 00" E	469 m
Ototomo		3° 39' 00" N 11° 19' 00" E	761 m
(see also: Ottotom, Ottotomo, Ottotumo)			
Ottotom (see Ototomo)		3° 39' 00" N 11° 19' 00" E	761 m
Ottotomo (see Ototomo)		3° 39' 00" N 11° 19' 00" E	761 m
Ottotumo (see Ototomo)		3° 39' 00" N 11° 19' 00" E	761 m
Sou Mou River (see Soumou River)		3° 15' 00" N 11° 24' 00" E	
Soumou River, 6 km W Mebueme		3° 15' 00" N 11° 24' 00" E	
(see also: Mebueme, 6 km W, Mengueme River, 6 km W, Sou Mou River)			
Yaounde (see Yaoundé)		3° 52' 00" N 11° 31' 00" E	
Yaoundé		3° 52' 00" N 11° 31' 00" E	726 m
(see also: Jaúnde, Yaounde)			
Nkolbison (see Nkolbisson)		3° 53' 00" N 11° 27' 00" E	739 m
Nkolbisson		3° 53' 00" N 11° 27' 00" E	739 m
(see also: Nkolbison)			

Yaoundé station melen 5		3° 51' 00" N 11° 31' 00" E	
Yaoundé, 150 km from, on Yoko road	ca.	4° 55' 00" N 12° 00' 00" E	
Yaoundé, 16 km S, 2 km E		3° 43' 00" N 11° 32' 00" E	
Yaoundé, 23 km S, 1 km E		3° 40' 00" N 11° 32' 00" E	
Yaoundé, 25 km S 3 km E		3° 35' 00" N 11° 33' 00" E	
Yaoundé, 60 km W, on Ayos road (see Mvoutési II)		3° 15' 00" N 11° 48' 00" E	
Yaoundé, 7 km S, 8 km W		3° 48' 00" N 11° 27' 00" E	
Yaoundé, 9 km S, 10 km W		3° 47' 00" N 11° 25' 00" E	
Yaoundé, due S		3° 52' 00" N 11° 31' 00" E	2500 ft
Yoko, 15 km S	ca.	5° 32' 00" N 12° 19' 00" E	
Yoko, 34 km S		5° 31' 00" N 12° 18' 00" E	
(see also: Joko, 34 km S)			
Yoko, 5 km from	ca.	5° 32' 00" N 12° 19' 00" E	
Yoko, 5 km S		5° 28' 00" N 12° 20' 00" E	
De Somo, Bamenda road (see Somo - Bamenda road)			
Dijgan			
Eseka, 3 km S, 3 km W		3° 37' 00" N 10° 45' 00" E	
Est region			
Batouri district	ca.	4° 25' 00" N 14° 20' 00" E	
(see also: Batowri district)			
Lélo		4° 20' 00" N 14° 07' 00" E	610 m
Lumbindu			
Obala		4° 10' 00" N 11° 32' 00" E	539 m
Obala, 12 km S, 11 km E		4° 09' 00" N 11° 31' 00" E	
Obala, 12 km S, 4 km E		4° 10' 00" N 11° 32' 00" E	
Obala, 12 km S, 4 km E		4° 09' 00" N 11° 21' 00" E	
Obala, 30 km N, 40 km E		4° 22' 00" N 11° 58' 00" E	
Obala, 82 km NE		4° 46' 00" N 11° 51' 00" E	
Batowri district (see Batouri district)	ca.	4° 25' 00" N 14° 20' 00" E	
Bélabo		4° 56' 00" N 13° 18' 00" E	610 m
Bele / Adjola		2° 12' 00" N 14° 37' 00" E	
Bertoua, 25 km NE		4° 44' 35" N 13° 50' 34" E	
(see also: Bertua, 25 km NE, Gamane, 25 km NE)			
Bertoua, 30 km W	ca.	4° 35' 00" N 13° 24' 47" E	
(see also: Bertua, 30 km W, Gamane, 30 km W)			
Bertua, 25 km NE (see Bertoua, 25 km NE)		4° 44' 35" N 13° 50' 34" E	
Bertua, 30 km W (see Bertoua, 30 km W)	ca.	4° 35' 00" N 13° 24' 47" E	
Dimako		4° 23' 00" N 13° 35' 00" E	680 m
Dja Biosphere Reserve	ca.	3° 09' 00" N 13° 00' 00" E	
Malen I		3° 21' 00" N 12° 53' 00" E	639 m
(see also: Malene I village)			
Malene I village (see Malen I)		3° 21' 00" N 12° 53' 00" E	639 m
Nemeyong (see Néméyong I)		3° 19' 00" N 12° 55' 00" E	642 m
Néméyong I		3° 19' 00" N 12° 55' 00" E	642 m
(see also: Nemeyong)			
Nkolé Koul village (see Nkolékoul)		3° 20' 00" N 12° 53' 00" E	
Nkolékoul		3° 20' 00" N 12° 53' 00" E	
(see also: Nkolé Koul village)			
Somalomo		3° 23' 00" N 12° 44' 00" E	629 m
Dja River	ca.	3° 00' 00" N 13° 00' 00" E	
(see also: Ja River)			
Djaposten		3° 25' 00" N 13° 32' 00" E	719 m
Ebam, 15 km SE		3° 46' 00" N 12° 57' 00" E	694 m
Eséka, 15 km SW	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 15 km W	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 6 km SE	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 7 km N	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 8 km SW	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 9 km SE		3° 43' 53" N 10° 46' 00" E	
Gamane, 25 km NE (see Bertoua, 25 km NE)		4° 44' 35" N 13° 50' 34" E	
Gamane, 30 km W (see Bertoua, 30 km W)	ca.	4° 35' 00" N 13° 24' 47" E	
Ja River (see Dja River)		3° 00' 00" N 13° 00' 00" E	
Kanyol (see Kanyol)		2° 43' 00" N 15° 17' 00" E	448 m
Kanyol		2° 43' 00" N 15° 17' 00" E	448 m
(see also: Kanyol)			
Kombetiko (see Kombé-Tiko)		4° 40' 00" N 14° 35' 00" E	676 m
Kombé-Tiko		4° 40' 00" N 14° 35' 00" E	676 m
(see also: Kombetiko, Konbé tiko)			
Konbé tiko (see Kombé-Tiko)		4° 40' 00" N 14° 35' 00" E	676 m
Kul's (see Zoulabot II)		2° 54' 00" N 13° 53' 00" E	517 m
Lomié district	ca.	3° 10' 00" N 13° 37' 00" E	
Lomié		3° 10' 00" N 13° 37' 00" E	611 m
Lomié, 1 km ESE	ca.	3° 09' 00" N 13° 35' 00" E	
Lomié, 10 km SE		3° 09' 00" N 13° 34' 00" E	427 m
Lomié, 4 km from	ca.	3° 09' 00" N 13° 35' 00" E	

Lomié, 40 km N		3° 09' 00" N 13° 35' 00" E	
Loulou		4° 26' 00" N 12° 57' 00" E	
(see also: Lulu)			
Lulu (see Loulou)		4° 26' 00" N 12° 57' 00" E	
Mang		3° 20' 00" N 14° 02' 00" E	608 m
Mesaména district (see Messaména district)	ca.	3° 44' 00" N 12° 50' 00" E	
Mesea		3° 00' 00" N 14° 06' 00" E	
Messaména district	ca.	3° 44' 00" N 12° 50' 00" E	
(see also: Mesaména district)			
Mboumo		3° 41' 00" N 13° 04' 00" E	
(see also: M'Boumo)			
M'Boumo (see Mboumo)		3° 41' 00" N 13° 04' 00" E	
Miéri		4° 15' 00" N 13° 59' 00" E	611 m
Moba [stream]		2° 47' 00" N 14° 30' 00" E	
Nguilili		2° 07' 00" N 15° 20' 00" E	
Nki National Park		2° 28' 50" N 14° 28' 10" E	
Soulabot (see Zoulabot II)		2° 54' 00" N 13° 53' 00" E	517 m
Sulabot (see Zoulabot II)		2° 54' 00" N 13° 53' 00" E	517 m
Tonde		4° 55' 00" N 13° 54' 00" E	
Yokadouma, near		3° 31' 00" N 15° 03' 00" E	
Zoulabot II		2° 54' 00" N 13° 53' 00" E	517 m
(see also: Kul's, Soulabot, Sulabot)			
Extrême-Nord region			
Biggil, near Fort-Foureau	ca.	12° 04' 37" N 15° 01' 50" E	
Fort Fureau (see Kousséri)		12° 04' 37" N 15° 01' 50" E	271 m
Fort-Foureau (see Kousséri)		12° 04' 37" N 15° 01' 50" E	271 m
Guemé		10° 30' 30" N 15° 09' 31" E	304 m
(see also: Guené)			
Guené (see Guemé)		10° 30' 30" N 15° 09' 31" E	304 m
Hardé 1		10° 35' 41" N 14° 20' 14" E	403 m
Hardé 2		10° 35' 30" N 14° 19' 51" E	422 m
Hotel Mizao		10° 35' 59" N 14° 18' 44" E	403 m
Jágua (see Yagoua)		10° 20' 34" N 15° 14' 26" E	313 m
Kalamaloué forest and game reserve (see Kalamaloué, réserve forestière et de chasse)		12° 08' 00" N 14° 54' 00" E	
Kalamaloué, réserve forestière et de chasse, 7 mi [= 11 km] WNW Kousseri (see also: Kalamaloué forest and game reserve, Kousséri, 7 mi [=11 km] WNW, Réserve forestière et de chasse de Kalamaloué)		12° 08' 00" N 14° 54' 00" E	
Kousri (see Kousséri)		12° 04' 37" N 15° 01' 50" E	271 m
Kousséri		12° 04' 37" N 15° 01' 50" E	271 m
(see also: Fort Fureau, Fort-Foureau, Kousri, Koussri, Kusseri)			
Kousséri, 7 mi [=11 km] WNW (see Kalamaloué, réserve forestière et de chasse)		12° 08' 00" N 14° 54' 00" E	
Koussri (see Kousséri)		12° 04' 37" N 15° 01' 50" E	271 m
Koza		10° 52' 08" N 13° 52' 51" E	485 m
Kusseri (see Kousséri)		12° 04' 37" N 15° 01' 50" E	271 m
Maroua		10° 35' 44" N 14° 19' 29" E	384 m
(see also: Marua)			
Marua (see Maroua)		10° 35' 44" N 14° 19' 29" E	384 m
Mokolo		10° 44' 25" N 13° 48' 10" E	760 m
Mokolo - Mayo Louti road		10° 42' 00" N 13° 44' 00" E	
Pont Makabay		10° 34' 24" N 14° 16' 55" E	420 m
Pont Rouge		10° 35' 48" N 14° 18' 54" E	402 m
Pont Vert		10° 35' 58" N 14° 20' 15" E	404 m
Réserve forestière et de chasse de Kalamaloué (see Kalamaloué, réserve forestière et de chasse)		12° 08' 00" N 14° 54' 00" E	
Sir		10° 33' 00" N 13° 41' 00" E	750 m
Waza		11° 23' 41" N 14° 34' 09" E	321 m
(see also: Waza Lareski)			
Waza Lareski (see Waza)		11° 23' 41" N 14° 34' 09" E	321 m
Waza, 35 km N	ca.	11° 25' 00" N 14° 34' 00" E	
Yagoua		10° 20' 34" N 15° 14' 26" E	313 m
(see also: Jágua, Yagua)			
Yagoua or Waza	ca.	11° 00' 00" N 15° 00' 00" E	
Yagua (see Yagoua)		10° 20' 34" N 15° 14' 26" E	313 m
Huki			
Indian Estates			
Keboko, 8 km W			
Keboko, 9 km W			
Kong			
Kupe (see Mount Koupé)		4° 48' 05" N 9° 42' 29" E	
Littoral region			
Biafra bay, coast	ca.	3° 20' 00" N 9° 50' 00" E	

Dikoumé		4° 14' 42" N 9° 29' 36" E	
(see also: Dikume)			
Dikume (see Dikoumé)		4° 14' 42" N 9° 29' 36" E	
Douala		4° 02' 49" N 9° 42' 30" E	0 m
(see also: Doula, Duala)			
Douala airport		4° 04' 00" N 9° 43' 00" E	
Douala airport, 3 km E	ca.	4° 04' 00" N 9° 43' 00" E	
Douala airport, 5 km E	ca.	4° 04' 00" N 9° 43' 00" E	
Douala-Edéa Game Reserve (see Douala-Edéa, réserve de)	ca.	3° 30' 00" N 9° 50' 00" E	
Douala-Edéa, réserve de	ca.	3° 30' 00" N 9° 50' 00" E	
(see also: Douala-Edéa Game Reserve)			
Doula (see Douala)		4° 02' 49" N 9° 42' 30" E	0 m
Duala (see Douala)		4° 02' 49" N 9° 42' 30" E	0 m
Edéa		3° 48' 00" N 10° 08' 00" E	25 m
Jabassi (see Yabassi)		4° 27' 16" N 9° 57' 56" E	16 m
Lake Ossa	ca.	3° 49' 00" N 10° 08' 00" E	
Lake Tisongo (see Tisongo, Lake)		3° 25' 00" N 9° 54' 00" E	
Lombe (see Lombé), Douala-Edéa Game Reserve, near		3° 38' 02" N 9° 59' 10" E	1 m
Lombé, near Douala-Edéa Game Reserve		3° 38' 02" N 9° 59' 10" E	1 m
(see also: Lombe)			
Lower Ekona		4° 15' 00" N 9° 24' 00" E	
Ngobilo		4° 20' 00" N 10° 37' 00" E	218 m
Ossa, Lake	ca.	3° 49' 00" N 10° 08' 00" E	
Sakbayémé, on Sanaga River		4° 02' 00" N 10° 34' 00" E	141 m
(see also: Song-Sag, Zakbayeme)			
Sakbayémé, 26 km NE, Sanaga River, N bank	ca.	4° 05' 00" N 10° 35' 00" E	
Song-Sag (see Sakbayémé), on Sanaga River		4° 02' 00" N 10° 34' 00" E	141 m
Tisongo, Lake		3° 25' 00" N 9° 54' 00" E	
(see also: Lake Tisongo)			
Yabasi (see Yabassi)		4° 27' 16" N 9° 57' 56" E	16 m
Yabassi		4° 27' 16" N 9° 57' 56" E	16 m
(see also: Jabassi, Yabasi, Yabazi)			
Yabazi (see Yabassi)		4° 27' 16" N 9° 57' 56" E	16 m
Zakbayeme (see Sakbayémé), on Sanaga River		4° 02' 00" N 10° 34' 00" E	141 m
Lobala, 12 km S, 4 km E			
Lobe			
Malanga (River)			
Malondo Village, 2 km W (see Mkwikane cave)			
Mbokaon			
Mey Joss			
Mkwikane cave, 2 km W Malondo Village			
(see also: Malondo Village, 2 km W)			
Mueli, above			
Mukowje			
Murkoryé			
MVE II (see Ayos Road, Mvoutesi II)		3° 15' 00" N 11° 48' 00" E	
Ngia			
Njia, SW, Gore and Nana Barya Rivers	ca.	7° 07' 00" N 12° 50' 00" E	
Nojole, 12 km S			
Nojole, 6 km N			
Nord region			
Benoue, upper valley (see Upper Benoue Valley)			
Bouba Ndjida National Park		8° 37' 42" N 14° 40' 05" E	
(see also: Réserve de Chasse et Forestière de Boubanjidda, Réserve du Bouba Ndjidda)			
Mayo Vaimba river		8° 40' 30" N 14° 26' 51" E	
Bougouma (see Boukma)		8° 32' 00" N 13° 55' 00" E	254 m
Boukma		8° 32' 00" N 13° 55' 00" E	254 m
(see also: Bougouma, Boukouma, Buguma)			
Boukouma (see Boukma)		8° 32' 00" N 13° 55' 00" E	254 m
Buguma (see Boukma)		8° 32' 00" N 13° 55' 00" E	254 m
Faro Forest and Faunal Reserve (see Faro, Réserve)		8° 10' 00" N 12° 35' 00" E	
Faro National Park (see Faro, Réserve)		8° 10' 00" N 12° 35' 00" E	
Hippopotamus Campside, Faro river	ca.	8° 23' 00" N 12° 48' 00" E	
Faro, Réserve		8° 10' 00" N 12° 35' 00" E	
(see also: Faro Forest and Faunal Reserve, Faro National Park, Parc National du Faro, Réserve de Chasse et Forestière du Faro, Réserve du Faro)			
Garoua		9° 18' 00" N 13° 24' 00" E	165 m
(see also: Garua)			
Garoua, 24 km S, 13 km E		9° 05' 00" N 13° 30' 00" E	
Garoua, 25 mi S			
Garua (see Garoua)		9° 18' 00" N 13° 24' 00" E	165 m

Koum		8° 23' 00" N 14° 31' 00" E	358 m
(see also: Kum)			
Kum (see Koum)		8° 23' 00" N 14° 31' 00" E	358 m
Parc National du Faro (see Faro, Réserve)		8° 10' 00" N 12° 35' 00" E	
Poli		8° 29' 00" N 13° 15' 00" E	780 m
Rei Bouba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river		8° 36' 00" N 14° 11' 00" E	224 m
Rei Buba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river		8° 40' 00" N 14° 11' 00" E	224 m
Reï-Bouba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river		8° 40' 00" N 14° 11' 00" E	224 m
Réserve de Chasse et Forestière de Boubanjidda (see Bouba Ndjida National Park)		8° 37' 42" N 14° 40' 05" E	
Réserve de Chasse et Forestière du Faro (see Faro, Réserve)		8° 10' 00" N 12° 35' 00" E	
Réserve du Bouba Ndjidda (see Bouba Ndjida National Park)		8° 37' 42" N 14° 40' 05" E	
Réserve du Faro (see Faro, Réserve)		8° 10' 00" N 12° 35' 00" E	
Rey Bouba, on Mayou Rei, attribute of the Bénoué river		8° 40' 00" N 14° 11' 00" E	224 m
(see also: Rei Bouba, Rei Buba, Reï-Bouba)			
Touroua		9° 05' 00" N 12° 58' 00" E	202 m
(see also: Turua)			
Turua (see Touroua)		9° 05' 00" N 12° 58' 00" E	202 m
Upper Benoue Valley			
(see also: Benoue, upper valley)			
Gaoyanga (see Ngaouyanga)		7° 54' 00" N 13° 36' 00" E	610 m
Goyanga (see Ngaouyanga)		7° 54' 00" N 13° 36' 00" E	610 m
Ngaaouyanga (see Ngaouyanga)		7° 54' 00" N 13° 36' 00" E	610 m
Ngaouyanga		7° 54' 00" N 13° 36' 00" E	610 m
(see also: Gaoyanga, Goyanga, Ngaaouyanga)			
Nord-Ouest region			
Agyati, on the Bamenda - Bafut road			
Bafut		6° 05' 00" N 10° 06' 00" E	1231 m
Bafut Agyati, 2 km E	ca.	6° 05' 00" N 10° 06' 00" E	
Bamenda division (see Mezan division)		6° 00' 00" N 10° 25' 00" E	
Bamenda		5° 56' 00" N 10° 10' 00" E	1614 m
Bana		5° 09' 00" N 10° 16' 00" E	1486 m
Bamenda, 14 km E	ca.	5° 57' 00" N 10° 10' 00" E	
Banso Highlands	ca.	6° 10' 00" N 10° 40' 00" E	ca. 1850 m
Lake Oku (see Oku lake)			
Camp IV		6° 10' 00" N 10° 25' 00" E	2100 m
Oku lake	ca.	6° 15' 00" N 10° 26' 00" E	
(see also: Lake Oku)			
Gwofong, 10 km E (see Gwofong, 10 km E)		6° 51' 00" N 9° 48' 00" E	
(see also: Gwofong, 10 km E)			
Mezan division			
(see also: Bamenda division)			
Nsanakang		5° 53' 00" N 8° 59' 00" E	137 m
(see also: Nsankang, Nsannakang)			
Nsankang (see Nsanakang)		5° 53' 00" N 8° 59' 00" E	137 m
Nsannakang (see Nsanakang)		5° 53' 00" N 8° 59' 00" E	137 m
Olangina			
Ouest region			
Bali		5° 53' 00" N 11° 01' 00" E	1415 m
Bamundjinda			
Kounden		5° 42' 00" N 10° 40' 00" E	1326 m
Koundja		5° 37' 00" N 10° 45' 00" E	1182 m
(see also: Kounja, Kundja)			
Kounja (see Koundja)		5° 37' 00" N 10° 45' 00" E	1182 m
Koutaba		5° 42' 00" N 10° 49' 00" E	1113 m
Kundja (see Koundja)		5° 37' 00" N 10° 45' 00" E	
Mbouda, 15 km SSE	ca.	5° 38' 00" N 10° 15' 00" E	
Sangmelima		2° 56' 00" N 11° 59' 00" E	
Sangmelima, 4 km NNE		2° 56' 00" N 11° 59' 00" E	
Sangmelima, 62 km NNW		3° 26' 00" N 11° 43' 00" E	
Somo - Bamenda road			
(see also: De Somo, Bamenda road)			
Son Jem			
Sousak			
Sud region			
Aboulou, 8 km SW Akoabas		2° 18' 00" N 12° 04' 00" E	572 m
Alen, 3 km W of Maan		2° 23' 00" N 10° 34' 00" E	197 m
Ambam, 10 km S, 5 km E		2° 17' 00" N 11° 19' 00" E	
Ambam, 13 km S, 5 km E		2° 16' 00" N 11° 21' 00" E	
Amban, 13 km S, 8 km E		2° 16' 00" N 11° 21' 00" E	

Ayos Road, Mvoutesi II		3° 15' 00" N 11° 48' 00" E	
(see also: MVE II)			
Bébaé		2° 45' 00" N 11° 05' 00" E	483 m
(see also: Bebai)			
Bebai (see Bébaé)		2° 45' 00" N 11° 05' 00" E	483 m
Bez			
Bipindi		3° 05' 00" N 10° 25' 00" E	184 m
Bipindi, 10 km W		3° 05' 00" N 10° 25' 00" E	ca. 300 m
Bitye, on Ja/Dja River		3° 01' 00" N 12° 22' 00" E	616 m
C39, 30 km N		2° 36' 00" N 13° 36' 00" E	
Campo		2° 22' 00" N 9° 49' 00" E	0 m
(see also: Campo Aka, Kampo)			
Campo Aka (see Campo)		2° 22' 00" N 9° 49' 00" E	0 m
Campo National Park		2° 23' 00" N 10° 06' 00" E	
(see also: Campo, Reserve, Réserve de faune de Campo)			
Campo, Reserve (see Campo National Park)		2° 23' 00" N 10° 06' 00" E	
Efoulan		2° 47' 00" N 10° 32' 00" E	421 m
(see also: Efoulen, Efulan, Efulen, Efulén)			
Efoulen (see Efoulan)		2° 47' 00" N 10° 32' 00" E	421 m
Efulan (see Efoulan)		2° 47' 00" N 10° 32' 00" E	421 m
Efulen (see Efoulan)		2° 47' 00" N 10° 32' 00" E	421 m
Efulén (see Efoulan)		2° 47' 00" N 10° 32' 00" E	421 m
Elat		2° 40' 00" N 10° 51' 00" E	
Fenda		2° 48' 00" N 10° 24' 00" E	
Foulassi, 6 km NNW Sangmélima		2° 59' 00" N 11° 58' 00" E	565 m
(see also: Sangmélima, 6 km NNW)			
Kampo (see Campo)		2° 22' 00" N 9° 49' 00" E	0 m
Kiribi (see Kribi)		2° 58' 00" N 9° 55' 00" E	
Kiribi, 14 km N (see Kribi, 14 km N)		3° 04' 00" N 9° 54' 00" E	
Kiribi, 4 km E (see Kribi, 4 km E)		2° 57' 00" N 9° 57' 00" E	
Kiribi, 7 km E (see Kribi, 7 km E)		2° 57' 00" N 9° 58' 00" E	
Kiribi, 7 mi [=11.3 km] N (see Kribi, 7 mi [=11.3 km] N)		2° 55' 00" N 9° 55' 00" E	
Kiribi, 9 km N (see Kribi, 9 km N)		3° 01' 00" N 9° 54' 00" E	
Kiribi, 9 km W (see Kribi, 9 km W)		2° 57' 00" N 9° 49' 00" E	
Klein Batanga (see Petit Batanga)		3° 11' 55" N 9° 55' 36" E	0 m
Kribi		2° 57' 00" N 9° 55' 00" E	13 m
(see also: Kiribi)			
Kribi, 14 km N		3° 04' 00" N 9° 54' 00" E	
(see also: Kiribi, 14 km N)			
Kribi, 4 km E		2° 57' 00" N 9° 57' 00" E	
(see also: Kiribi, 4 km E)			
Kribi, 7 km E		2° 57' 00" N 9° 58' 00" E	
(see also: Kiribi, 7 km E)			
Kribi, 7 mi [=11.3 km] N		2° 55' 00" N 9° 55' 00" E	
(see also: Kiribi, 7 mi [=11.3 km] N)			
Kribi, 8 km SE		2° 56' 00" N 9° 56' 00" E	
Kribi, 9 km N		3° 01' 00" N 9° 54' 00" E	
(see also: Kiribi, 9 km N)			
Kribi, 9 km W		2° 57' 00" N 9° 49' 00" E	
(see also: Kiribi, 9 km W)			
Lelodorf (see Lolodorf), on Lokoundgé river		3° 14' 00" N 10° 44' 00" E	412 m
Little Batanga (see Petit Batanga)		3° 11' 55" N 9° 55' 36" E	0 m
Lolabé		2° 40' 00" N 9° 51' 00" E	
Lolodorf, on Lokoundgé river		3° 14' 00" N 10° 44' 00" E	412 m
(see also: Lelodorf, Lolodrof)			
Lolodorf, 20 mi [=32 km] N	ca.	3° 16' 00" N 10° 49' 00" E	
Lolodrof (see Lolodorf), on Lokoundgé river		3° 14' 00" N 10° 44' 00" E	412 m
Longi (see Longji)		3° 04' 31" N 9° 58' 40" E	15 m
Longji		3° 04' 31" N 9° 58' 40" E	15 m
(see also: Longi, Longuy, Longuyi)			
Longuy (see Longji)		3° 04' 31" N 9° 58' 40" E	15 m
Longuyi (see Longji)		3° 04' 31" N 9° 58' 40" E	15 m
Ma'an, near Ebolowa		2° 22' 00" N 10° 38' 00" E	
Manguémé (see Mengémé Village)		3° 15' 00" N 11° 24' 00" E	591 m
Mengémé Village		3° 15' 00" N 11° 24' 00" E	591 m
(see also: Manguémé, Mebueme Village, Mengueme)			
Mengueme (see Mengémé Village)		3° 15' 00" N 11° 24' 00" E	591 m
Meyo Nkoulou, 15 km SE Ambam		2° 16' 00" N 11° 02' 00" E	
Mintjaminyumin (see Mintyaminyoumin), 4 km NNE Sangméelima		3° 01' 00" N 12° 02' 00" E	794 m
(see also: Sangmélima, 4 km NNE)			
Mintyaminyoumin, 4 km NNE Sangméelima		3° 01' 00" N 12° 02' 00" E	794 m
(see also: Mintjaminyumin)			

Mvengé, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)		3° 16' 00" N 11° 00' 00" E	
Mvengé, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)		3° 16' 00" N 11° 00' 00" E	
Mvengé, 6 km W (see Mvengué, 6 km W)		3° 17' 00" N 11° 01' 00" E	
Mvengu, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)		3° 16' 00" N 11° 00' 00" E	
Mvengu, 6 km W (see Mvengué, 6 km W)		3° 17' 00" N 11° 01' 00" E	
Mvengué, 3 km W, 1 km N (see also: Mvengé, 3 km W, 1 km N, Mvengé, 3 km W, 1 km N, Mvengu, 3 km W, 1 km N)		3° 16' 00" N 11° 00' 00" E	
Mvengué, 6 km W (see also: Mvengé, 6 km W, Mvengu, 6 km W, Mvingé, 6 km W)		3° 17' 00" N 11° 01' 00" E	
Mvingé, 6 km W (see Mvengué, 6 km W)		3° 17' 00" N 11° 01' 00" E	
Ngam, 6? km NNW Sangmélima		2° 47' 00" N 11° 54' 00" E	592 m
Nkoélon village (see Nkoélon-Mvini)		2° 23' 50" N 10° 02' 41" E	
Nkoélon-Mvini (see also: Nkoélon village)		2° 23' 50" N 10° 02' 41" E	
Ntem department		2° 45' 00" N 11° 20' 00" E	
Ebolowa		2° 54' 00" N 11° 09' 00" E	636 m
Ebolowa, 20 km ESE (see Nkoetyé)		2° 55' 00" N 11° 08' 00" E	
Nkoetyé, 20 km ESE Ebolowa (see also: Ebolowa, 20 km ESE)		2° 52' 00" N 11° 19' 00" E	714 m
Olounou		2° 49' 00" N 12° 08' 00" E	658 m
Oveng		2° 25' 00" N 12° 16' 00" E	608 m
Petit Batanga (see also: Klein Batanga, Little Batanga)		3° 11' 55" N 9° 55' 36" E	0 m
Réserve de faune de Campo (see Campo National Park)		2° 23' 00" N 10° 06' 00" E	
Sangmélima		2° 56' 00" N 11° 59' 00" E	543 m
Sangmélima, 4 km NNE (see Mintjaminyumin)		2° 56' 00" N 11° 59' 00" E	
Sangmélima, 6 km NNW (see Foulassi)		2° 59' 00" N 11° 58' 00" E	
Sangmélima, 6? km NNW (see Sangmélima, 6? km NNW) (see also: Sangmélima, 6? km NNW)		2° 56' 00" N 11° 59' 00" E	
Sangmélima, 62 km NNW (see Métet)		3° 26' 00" N 11° 43' 00" E	
Sud-Ouest region			
Bake river bridge, 1 km S, 4.25 km W Baro (see also: Baro, 1 km S, 4.25 km W)		5° 16' 00" N 9° 13' 00" E	
Baro		5° 15' 00" N 9° 13' 00" E	
Baro, 1 km S, 4.25 km W (see Bake river bridge)		5° 16' 00" N 9° 13' 00" E	
Bascho (see Basho)		6° 08' 00" N 9° 26' 00" E	267 m
Bashauo (see Basho)		6° 08' 00" N 9° 26' 00" E	267 m
Basho (see also: Bascho, Bashauo)		6° 08' 00" N 9° 26' 00" E	267 m
Batoke, near Bota (see also: Batoki)		4° 01' 49" N 9° 06' 04" E	79 m
Batoki (see Batoke), near Bota		4° 01' 49" N 9° 06' 04" E	79 m
Besogabang		5° 44' 00" N 9° 17' 00" E	550 m
Bibundi		4° 13' 00" N 8° 59' 00" E	0 m
Bimbia, near Victoria, near Limbe		3° 57' 16" N 9° 14' 42" E	98 m
Bokwango, near Buéa		4° 08' 19" N 9° 13' 28" E	877 m
Bokwango, near	ca.	4° 08' 19" N 9° 13' 28" E	
Buéa station, 30 km N (see Mawutu Village)		4° 24' 00" N 9° 12' 00" E	
Buéa Station, 30 mi [=48 km] N (see Muyuka)		4° 17' 50" N 9° 24' 20" E	43 m
Buéa station, 40 km N (see Meanja)		4° 16' 00" N 9° 24' 00" E	
Buéa, 16 km N (see CDC Banana Research Station)		4° 09' 00" N 9° 13' 00" E	
Buéa, 48 km N (see Muyuka)		4° 15' 00" N 9° 24' 00" E	
Buéa, near		4° 09' 00" N 9° 12' 00" E	1050 m
Buta		4° 00' 36" N 9° 09' 00" E	
CDC Banana Research Station, 16 km N Buéa (see also: Buéa, 16 km N)		4° 09' 00" N 9° 13' 00" E	
CDC Rest House (see Victoria)		4° 00' 00" N 9° 12' 00" E	
Ekona, Chop farm (see also: Ekowa)		4° 15' 00" N 9° 19' 00" E	1067 m
Ekowa (see Ekona)		4° 15' 00" N 9° 19' 00" E	1067 m
Eshobe (see Eshobi)		5° 47' 00" N 9° 23' 00" E	538 m
Eshobi (see also: Eshobe)		5° 47' 00" N 9° 23' 00" E	538 m
Great Sopo (see also: Great Soppo Forest)		4° 09' 17" N 9° 14' 34" E	824 m
Great Soppo Forest (see Great Sopo)		4° 09' 17" N 9° 14' 34" E	824 m
Gwando		4° 09' 00" N 9° 12' 00" E	1067 m
Indian division (see Ndian division)	ca.	4° 50' 00" N 8° 50' 00" E	

Isobi		4° 07' 15" N 8° 59' 33" E	56 m
(see also: Isolwe, Isove)			
Isolwe (see Isobi)		4° 07' 15" N 8° 59' 33" E	56 m
Isongo		4° 04' 44" N 9° 01' 26" E	5 m
(see also: Izongo, Port Isongo)			
Isove (see Isobi)		4° 07' 15" N 8° 59' 33" E	56 m
Izongo (see Isongo)		4° 04' 44" N 9° 01' 26" E	5 m
Khmba (see Kumba)			
Korup Forest Reserve (see Korup National Park)	ca.	5° 12' 05" N 8° 53' 36" E	
Korup National Park	ca.	5° 12' 05" N 8° 53' 36" E	
(see also: Korup Forest Reserve)			
Mana Bridge (see Mana Suspension Bridge)		5° 00' 28" N 8° 52' 17" E	
Mana Suspension Bridge		5° 00' 28" N 8° 52' 17" E	
(see also: Mana Bridge)			
Koupé, Mount (see Mount Kupé)			
Kumba			
(see also: Khmba)			
Kumba		4° 38' 38" N 9° 26' 19" E	257 m
Basal Mission		4° 39' 00" N 9° 26' 00" E	243 m
Kloa		4° 39' 00" N 9° 26' 00" E	
Kumba division (see Meme division)		4° 50' 00" N 9° 20' 00" E	
Baromb Kang, 4 mi S Kumba		4° 36' 40" N 9° 27' 21" E	
(see also: Kumba, 4 mi [=6.4 km] S, Kumba, 6 km S)			
Barombi Fishing Village		4° 39' 00" N 9° 24' 00" E	288 m
Barombi, Lake		4° 39' 00" N 9° 25' 00" E	457 m
(see also: Barombi-Mbo, lake, Lake Barombi, Lake Barombi-Mbo)			
Barombi, SE shore lake		4° 27' 00" N 9° 15' 00" E	
(see also: Lake Barombi, SE shore)			
Barombi, south shore lake		4° 39' 00" N 9° 25' 00" E	
(see also: Lake Barombi, south shore)			
Barombi, west side lake		4° 39' 00" N 9° 25' 00" E	
(see also: Lake Barombi, west side)			
Barombi-Mbo Lake shore, 46 mi [=74 km] ???		4° 40' 28" N 9° 23' 23" E	288 m
Barombi-Mbo, lake (see Barombi, Lake)		4° 39' 00" N 9° 25' 00" E	457 m
Lake Barombi (see Barombi, Lake)		4° 39' 00" N 9° 25' 00" E	457 m
Lake Barombi, SE shore (see Barombi, SE shore lake)		4° 27' 00" N 9° 15' 00" E	
Lake Barombi, south shore (see Barombi, south shore lake)		4° 39' 00" N 9° 25' 00" E	
Lake Barombi, west side (see Barombi, west side lake)		4° 39' 00" N 9° 25' 00" E	
Lake Barombi-Mbo (see Barombi, Lake)		4° 39' 00" N 9° 25' 00" E	457 m
Lake Baromi, Johan-Albrechtshöhe		4° 38' 00" N 9° 23' 00" E	210 m
Tombel		4° 45' 06" N 9° 40' 22" E	593 m
Kumba, 15 km S		4° 39' 00" N 9° 26' 00" E	
Kumba, 19 km S		4° 38' 00" N 9° 25' 00" E	
Kumba, 35 km W, 4 km N (see Ongoo)		4° 39' 00" N 9° 25' 00" E	
Kumba, 4 mi [=6.4 km] S (see Baromb Kang)		4° 39' 00" N 9° 25' 00" E	549 m
Kumba, 5 mi [=8 km] SE (see Mukonje)		4° 36' 00" N 9° 30' 00" E	250 m
Kumba, 6 km S (see Baromb Kang)		4° 39' 00" N 9° 25' 00" E	549 m
Kupé, Mount (see Mount Koupé)		4° 48' 05" N 9° 42' 29" E	
Likoko Mimbia, near Buea		4° 08' 41" N 9° 13' 39" E	
(see also: Likoko Village)			
Likoko Village (see Likoko Mimbia), near Buea		4° 08' 41" N 9° 13' 39" E	
Likomba, near Tiko		4° 05' 37" N 9° 19' 55" E	124 m
Limbe, near Victoria		4° 00' 46" N 9° 13' 13" E	136 m
(see also: Victoria)			
Mabetta (see Maneta), 5 km E Victoria		4° 01' 20" N 9° 17' 08" E	151 m
Malende Swamp area		4° 21' 00" N 9° 26' 00" E	ca. 50 m
Mamfe		5° 46' 00" N 9° 17' 00" E	459 m
(see also: Ossidinge, Ossidingi)			
Mamfe, 12 km SE	ca.	5° 47' 00" N 9° 18' 00" E	
Mamfe, 15 km SE	ca.	5° 40' 15" N 9° 22' 45" E	
Man O'War Bay, near Victoria		3° 57' 30" N 9° 13' 00" E	139 m
Manengouba mountains	ca.	5° 00' 00" N 9° 50' 00" E	ca. 1000 m
(see also: Manenguba mountains, Mont Manengouba, Mount Manengouba)			
Manenguba mountains (see Manengouba mountains)	ca.	5° 00' 00" N 9° 50' 00" E	ca. 1000 m
Lake Manenguba	ca.	5° 00' 00" N 9° 50' 00" E	
Camp III, near Buéa	ca.	4° 09' 00" N 9° 13' 00" E	1200 m
Manengouba, lake	ca.	5° 00' 00" N 9° 50' 00" E	
(see also: Manenguba, lake)			
Manenguba, lake (see Manengouba, lake)	ca.	5° 00' 00" N 9° 50' 00" E	

Maneta, 5 km E Victoria (see also: Mabetta, Victoria, 5 km E)		4° 00' 00" N 9° 15' 00" E	
Mawoutou Village (see Mawutu Village), 30 km N Buéa station		4° 24' 00" N 9° 12' 00" E	
Mawutu Village, 30 km N Buéa station, 30 km N C39 (see also: Buéa station, 30 km N, Mawoutou Village)		4° 24' 00" N 9° 12' 00" E	
Mayuka (see Muyuka)		4° 17' 50" N 9° 24' 20" E	43 m
M'bonge (see Mbongé)		4° 32' 11" N 9° 06' 40" E	0 m
Mbongé (see also: M'bonge)		4° 32' 11" N 9° 06' 40" E	0 m
Meanja, 40 km N Buéa station (see also: Buéa station, 40 km N)		4° 16' 23" N 9° 23' 32" E	66 m
Meme division (see also: Kumba division)		4° 50' 00" N 9° 20' 00" E	
Banga Bakundu	ca.	4° 50' 00" N 9° 20' 00" E	
Metchum River, 10 km E Gwofong	ca.	5° 56' 00" N 10° 07' 00" E	
Mobange-Isongo (see also: Mubange, Mubenge)		4° 05' 00" N 9° 00' 00" E	0 m
Moliko		4° 09' 34" N 9° 16' 55" E	594 m
Moliko, CDC Banana plantation		4° 09' 00" N 9° 12' 00" E	
Moliwe, 11.3 km N of Victoria (see also: Victoria, 11.3 km N)		4° 03' 59" N 9° 14' 48" E	174 m
Mont Manengouba (see Manengouba mountains)	ca.	5° 00' 00" N 9° 50' 00" E	1000 m
Moukonyé (see Mukonje)		4° 35' 02" N 9° 30' 18" E	113 m
Mount Cameroon		4° 12' 00" N 9° 11' 00" E	1768 m
Boteke Village, 3 km S Buéa Station (see also: Buéa Station, 3 km S)		4° 06' 00" N 9° 12' 00" E	
Bova Village, 4 km N Buéa Station (see also: Buéa Station, 4 km N)		4° 26' 09" N 9° 12' 55" E	354 m
Buea (see Buéa)		4° 09' 34" N 9° 14' 12" E	
Buéa (see also: Buea, Buéa town forest, Mountain Hut 1)		4° 09' 34" N 9° 14' 12" E	
Buéa Station area		4° 07' 00" N 9° 13' 00" E	
Buéa station, 2 km S (see Small Soppo [forest])		4° 07' 00" N 9° 12' 00" E	
Buéa Station, 2 km W		4° 09' 00" N 9° 12' 00" E	
Buéa Station, 3 km S (see Boteke Village)		4° 06' 00" N 9° 12' 00" E	
Buéa Station, 3 km SW		4° 08' 00" N 9° 12' 00" E	
Buéa Station, 4 km N (see Bova Village)		4° 10' 00" N 9° 12' 00" E	
Buéa town forest (see Buéa)		4° 09' 34" N 9° 14' 12" E	
Buéa West Farm		4° 09' 00" N 9° 13' 00" E	
Bunduma Village, 4 km N Buéa Station		4° 11' 00" N 9° 13' 00" E	
Cameroon Mountain cave		4° 09' 00" N 9° 13' 00" E	1200 m
Musaké, 25 km from Obala (???)	ca.	4° 12' 00" N 9° 12' 00" E	
Small Sopo [forest] (see Small Soppo [forest]), 2 km S Buéa station		4° 08' 17" N 9° 14' 37" E	738 m
Small Soppo [forest], 2 km S Buéa station (see also: Buéa station, 2 km S, Small Sopo [forest])		4° 08' 17" N 9° 14' 37" E	738 m
Mount Cameroon, south side	ca.	4° 03' 00" N 9° 05' 00" E	750 m
Mount Koupé (see also: Kupe, Kupé, Mount, Mount Kupé)		4° 48' 05" N 9° 42' 29" E	
Mount Kupé (see Mount Koupé) (see also: Koupé, Mount)		4° 48' 05" N 9° 42' 29" E	
Camp II	ca.	4° 47' 00" N 9° 43' 00" E	1100 m
Nyasoso (see Nyassosso)		4° 49' 42" N 9° 40' 55" E	1078 m
Nyassosso (see also: Nyasoso)		4° 49' 42" N 9° 40' 55" E	1078 m
Mount Kupé, N side			
Esosoung (see Essosong)		4° 51' 37" N 9° 43' 49" E	912 m
Essosong (see also: Esosoung)		4° 51' 37" N 9° 43' 49" E	912 m
Mount Manengouba (see Manengouba mountains)	ca.	5° 00' 00" N 9° 50' 00" E	1000 m
Mountain Hut 1 (see Buéa)		4° 09' 00" N 9° 12' 00" E	
Mouyouka (see Muyuka), 48 km N Buéa		4° 17' 50" N 9° 24' 20" E	43 m
Mpundu district			
Mpundu (see also: Mungo River, forest across)		4° 14' 19" N 9° 24' 33" E	8 m
Mungo River, forest across (see Mpundu)		4° 13' 00" N 9° 24' 00" E	
Mubange (see Mobange-Isongo)		4° 05' 00" N 9° 00' 00" E	0 m
Mubenge (see Mobange-Isongo)		4° 05' 00" N 9° 00' 00" E	0 m
Muéa (see Muyuka)		4° 17' 50" N 9° 24' 20" E	43 m
Mukonje, 5 mi [=8 km] SE Kumba (see also: Kumba, 5 mi [=8 km] SE, Moukonyé, Mukonye)		4° 35' 02" N 9° 30' 18" E	113 m

Mukonye (see Mukonje)		4° 35' 02" N 9° 30' 18" E	113 m
Mungo Anchoncho, [Moungo river?]		4° 03' 00" N 9° 33' 00" E	
Mungo River, East bank		4° 02' 50" N 9° 33' 41" E	
Mangamba [Big Farm]		5° 30' 00" N 9° 00' 00" E	
Muyuka, 48 km N Buéa		4° 17' 50" N 9° 24' 20" E	43 m
(see also: Buéa Station, 30 mi [=48 km] N, Buéa, 48 km N, Mayuka, Mouyouka, Muéa, Muyuna Town)			
Muyuna Town (see Muyuka)		4° 17' 50" N 9° 24' 20" E	43 m
Ndian division	ca.	4° 50' 00" N 8° 50' 00" E	
(see also: Indian division)			
Bisoro Balve (see Bissoro)		4° 45' 20" N 9° 10' 25" E	435 m
Bissoro		4° 45' 20" N 9° 10' 25" E	435 m
(see also: Bisoro Balve)			
Ndian River		4° 45' 00" N 8° 44' 00" E	
Ongoo, 35 km W, 4 km N Kumba (near Mukono)		4° 39' 00" N 9° 25' 00" E	
(see also: Kumba, 35 km W, 4 km N)			
Ossidinge (see Mamfe)		5° 47' 00" N 9° 18' 00" E	133 m
Ossidingi (see Mamfe)		5° 47' 00" N 9° 18' 00" E	133 m
Port Isongo (see Isongo)		4° 04' 44" N 9° 01' 26" E	5 m
Rumpi highlands (see Rumpi Hills)		4° 49' 56" N 9° 10' 23" E	
Rumpi Hills		4° 49' 56" N 9° 10' 23" E	
(see also: Rumpi highlands, Rumysi Hilus)			
Dikumé-Balué, Camp V		5° 30' 00" N 9° 15' 00" E	
Rumysi Hilus (see Rumpi Hills)		4° 49' 56" N 9° 10' 23" E	
Saxenhof		4° 05' 54" N 9° 13' 02" E	469 m
Tiko		4° 04' 28" N 9° 22' 12" E	64 m
Tiko, near	ca.	4° 04' 28" N 9° 22' 12" E	
Tote Tea Forest		4° 09' 00" N 9° 13' 00" E	
Victoria		4° 00' 36" N 9° 09' 36" E	
Victoria (see Limbe)		4° 00' 46" N 9° 13' 13" E	136 m
(see also: CDC Rest House)			
Bota		4° 01' 43" N 9° 11' 15" E	109 m
Bota, 48 km W (see Idenao)		4° 15' 00" N 8° 55' 00" E	
Idenao, 48 km W Bota		4° 15' 51" N 9° 02' 50" E	531 m
(see also: Bota, 48 km W)			
Idenau, 48 km W Bota		4° 14' 00" N 8° 59' 00" E	38 m
Victoria, 11.3 km N (see Moliwe)		4° 03' 59" N 9° 14' 48" E	174 m
Victoria, 5 km E (see Maneta)		4° 00' 00" N 9° 15' 00" E	
West Cameroon			
Yaounde station melen 5		3° 51' 00" N 11° 31' 00" E	
Yaounde, 60 km W		3° 15' 00" N 11° 48' 00" E	
Ydé			
Canary Islands (Spain)			
Gran Canaria			
Las Palmas (see Las Palmas de Gran Canaria)		28° 05' 59" N 15° 24' 48" W	
Las Palmas de Gran Canaria		28° 05' 59" N 15° 24' 48" W	
(see also: Las Palmas, Palmas)			
Agaete		28° 07' 00" N 15° 42' 00" W	109 m
Palmas (see Las Palmas de Gran Canaria)		28° 05' 59" N 15° 24' 48" W	
La Cuancha, island			
Barranco de La Cantera		28° 22' 00" N 16° 39' 00" W	300 m
La Gomera, island			
Orotava		28° 46' 00" N 17° 45' 00" W	
La Palma		28° 40' 00" N 17° 50' 00" W	
Cuevas de los murciélagos		28° 45' 45" N 17° 50' 24" W	
(see also: Cuevas de Marcos)			
Cuevas de Marcos (see Cuevas de los murciélagos)		28° 45' 45" N 17° 50' 24" W	
Laurisilva forest, near Los Tilos	ca.	28° 47' 23" N 17° 48' 12" W	
Los Tilos Nature Reserve (see Reserva Los Tilos)		28° 47' 39" N 17° 47' 55" W	
Reserva Los Tilos, Los Sauces		28° 47' 39" N 17° 47' 55" W	
(see also: Los Tilos Nature Reserve)			
Tenerife		28° 19' 00" N 16° 34' 00" W	
Cape Verde			
Barlavento archipelago			
Boa Vista island			
Sal island			
Santo Antão island			
Ribeira Grande		17° 11' 00" N 25° 04' 00" W	40 m
São Nicolau island			
Faja de Baixo	ca.	16° 35' 00" N 24° 15' 00" W	
São Vicente island			
São Vicente		16° 50' 00" N 25° 00' 00" W	
Sotavento archipelago			
Brava island			
Fogo island			

Fogo		14° 55' 00" N 24° 25' 00" W	
San Filipo (see São Filipe)		14° 54' 00" N 24° 31' 00" W	77 m
São Filipe		14° 54' 00" N 24° 31' 00" W	77 m
(see also: San Filipo, Sao Filipo, St. Filippe, Vila de São Filippe, Vila São Filipe)			
Sao Filipo (see São Filipe)		14° 54' 00" N 24° 31' 00" W	77 m
St. Filippe (see São Filipe)		14° 54' 00" N 24° 31' 00" W	77 m
Vila de São Filippe (see São Filipe)		14° 54' 00" N 24° 31' 00" W	77 m
Vila São Filipe (see São Filipe)		14° 54' 00" N 24° 31' 00" W	77 m
Maio island		15° 15' 00" N 23° 10' 00" W	
Maio (see Vila do Maio)		15° 08' 00" N 23° 13' 00" W	4 m
Nossa Senhora da Luz (see Vila do Maio)		15° 08' 00" N 23° 13' 00" W	4 m
Port Ingles (see Vila do Maio)		15° 08' 00" N 23° 13' 00" W	4 m
Porto Inglez (see Vila do Maio)		15° 08' 00" N 23° 13' 00" W	4 m
Vila do Maio		15° 08' 30" N 23° 12' 30" W	4 m
(see also: Maio, Nossa Senhora da Luz, Port Ingles, Porto Inglez)			
Vila do Maio, 2 km N	ca.	15° 10' 00" N 23° 13' 00" W	
Santiago island			
Monte Pedroso, ribeira de, 3 km S Ribeira de Barca	ca.	15° 10' 00" N 23° 45' 00" E	
Pedra Badejo		15° 08' 00" N 23° 33' 00" W	
Trindade		14° 57' 00" N 23° 34' 00" W	124 m
Central Africa			
Central African Republic			
(see also: Oubangui Chari)			
Bamingui-Bangoran prefecture			
Bamingui		7° 34' 00" N 20° 11' 00" E	456 m
Bamingui-Bangoran National Park		7° 55' 00" N 20° 15' 00" E	469 m
Bangaran (see Bangoran)		8° 04' 51" N 20° 20' 43" E	418 m
Bangoran		8° 04' 51" N 20° 20' 43" E	418 m
(see also: Bangaran)			
Kaga-Nzé		7° 21' 00" N 20° 11' 00" E	489 m
(see also: Kaja Nze)			
Kaja Nze (see Kaga-Nzé)		7° 21' 00" N 20° 11' 00" E	489 m
Manovo		8° 07' 00" N 21° 07' 00" E	654 m
Nadélé (see Ndélé)		8° 24' 39" N 20° 38' 50" E	
N'Delé (see Ndélé)		8° 24' 39" N 20° 38' 50" E	
Ndélé		8° 24' 39" N 20° 38' 50" E	
(see also: Nadélé, N'Delé, N'Delle)			
Ndele district (see Ndele prefecture)			
Ndele prefecture			
(see also: Ndele district, Ndele province)			
Manovo-Gounda-St.Floris National Park			
Gounda camp		9° 03' 00" N 21° 12' 00" E	436 m
Gounda River bridge, National Highway, between Ndele and Vakaga		8° 41' 00" N 21° 30' 00" E	445 m
Koumbala Camp		7° 29' 00" N 21° 13' 00" E	600 m
Koumbala Camp, 11.5 km NW		7° 29' 00" N 21° 13' 00" E	600 m
Ndele province (see Ndele prefecture)			
N'Delle (see Ndélé)		8° 24' 39" N 20° 38' 50" E	
Bangui prefecture			
Bangui		4° 22' 00" N 18° 35' 00" E	369 m
Bangui area	ca.	4° 22' 00" N 18° 35' 00" E	
Bangui, 10 km from (I) (see Landjia)		4° 22' 00" N 18° 39' 00" E	
La Landjia (see Landjia)		4° 22' 00" N 18° 39' 00" E	
Landjia		4° 22' 00" N 18° 39' 00" E	
(see also: Bangui, 10 km from (I), La Landjia)			
Mpoko (near Makorou) and Yabanda, track between	ca.	4° 19' 27" N 18° 32' 27" E	
Basse-Kotto prefecture			
Grotte de Nzouani-Muya (see Nzouani-Muya cave)			
Haut-Kotto prefecture			
Bohou River	ca.	6° 32' 47" N 23° 24' 46" E	
Nguerengou River		6° 32' 36" N 22° 38' 30" E	
Haut-Mbomou prefecture			
Kémo-Gribingui prefecture	ca.	5° 53' 02" N 19° 24' 04" E	
Haute Kemo (see Kemo River, upper)	ca.	5° 45' 00" N 19° 45' 00" E	
Kemo River, upper	ca.	5° 45' 00" N 19° 45' 00" E	
(see also: Haute Kemo)			
Loango			
Lobaye district (see Lobaye prefecture)			
Bangui or Boukoko	ca.	4° 06' 00" N 18° 12' 00" E	
La Maboké		3° 49' 55" N 17° 50' 45" E	
Bébé cave	ca.	3° 49' 55" N 17° 50' 45" E	
(see also: Grotte de Bébé, Grotte de Bolé)			
Bolé cave	ca.	3° 49' 55" N 17° 50' 45" E	
Grotte de Bébé (see Bébé cave)	ca.	3° 49' 55" N 17° 50' 45" E	

Grotte de Bolé (see Bébé cave)	ca.	3° 49' 55" N 17° 50' 45" E	
La Maboké area	ca.	3° 49' 55" N 17° 50' 45" E	
Ngotto forest		3° 55' 00" N 17° 03' 00" E	
Lobaye prefecture			
(see also: Lobaye district)			
Boukoko		3° 54' 00" N 17° 56' 00" E	559 m
(see also: Bukoko)			
Boukoko or La Maboké	ca.	3° 54' 00" N 17° 56' 00" E	
Bukoko (see Boukoko)		3° 54' 00" N 17° 56' 00" E	559 m
Mbaéré-Bodingué Reserve	ca.	3° 53' 00" N 17° 15' 00" E	
(see also: Réserve Intégrale de Mbaéré-Bodingué)			
Kpoka	ca.	3° 50' 00" N 17° 18' 00" E	
M'Baiki (see Mbaïki)		3° 53' 00" N 18° 00' 00" E	514 m
Mbaïki		3° 53' 00" N 18° 00' 00" E	514 m
(see also: M'Baiki, M'Baikie)			
M'Baikie (see Mbaïki)		3° 53' 00" N 18° 00' 00" E	514 m
Mongoumba		3° 38' 30" N 18° 35' 37" E	337 m
Réserve Intégrale de Mbaéré-Bodingué (see Mbaéré-Bodingué Reserve)	ca.	3° 53' 00" N 17° 15' 00" E	
Mambéré-Kadéï prefecture			
Mbomou prefecture			
Bangassou		4° 44' 00" N 22° 49' 00" E	457 m
(see also: Bangassu, Bangasu)			
Bangassu (see Bangassou)		4° 44' 00" N 22° 49' 00" E	457 m
Bangasu (see Bangassou)		4° 44' 00" N 22° 49' 00" E	457 m
Nana-Grébizi prefecture			
Badingua, 25 km N Makorou		7° 30' 00" N 19° 35' 00" E	
(see also: Makorou, 25 km N)			
Makorou, 25 km N (see Badingua)		7° 30' 00" N 19° 35' 00" E	
Nana-Mambéré prefecture			
Bouar		5° 57' 00" N 15° 36' 00" E	1046 m
(see also: Buar)			
Buar (see Bouar)		5° 57' 00" N 15° 36' 00" E	1046 m
Njia (or Ngia)			
Nyam-Nyam			
Nzouani-Muya cave (see Zouari-Muyo cave)			
(see also: Grotte de Nzouani-Muya)			
Ombella-M'Poko prefecture			
Bangui, 10 km from (II) (see Mpoko)	ca.	4° 24' 00" N 18° 31' 00" E	
Bangui, 120 km N (see Bozo)		5° 08' 26" N 18° 28' 44" E	
Bozo, 120 km N Bangui		5° 08' 26" N 18° 28' 44" E	
(see also: Bangui, 120 km N, Gordil III)			
Mpoko	ca.	4° 24' 00" N 18° 31' 00" E	
(see also: Bangui, 10 km from (II))			
Ouaka prefecture			
Bambari, 300 km NE Bangui		5° 46' 05" N 20° 40' 32" E	465 m
(see also: Bangui, 300 km NE)			
Bangui, 300 km NE (see Bambari)		5° 46' 05" N 20° 40' 32" E	465 m
Kaga Kodou (Hill) (see Kodou, Kaga (Hill))		6° 01' 00" N 20° 23' 00" E	
Kodou, Kaga (Hill)		6° 01' 00" N 20° 23' 00" E	
(see also: Kaga Kodou (Hill))			
Oubangui, upper			
Ouham prefecture			
Oubangui Chari (see Central African Republic)			
Ouham, near	ca.	7° 00' 00" N 18° 00' 00" E	
Yabanda-Mpoko		7° 00' 00" N 17° 50' 00" E	
Ouham-Pendé prefecture			
Bosum (see Bozoum)		6° 19' 00" N 16° 23' 00" E	721 m
Bozoum		6° 19' 00" N 16° 23' 00" E	721 m
(see also: Bosum, Bozum)			
Bozum (see Bozoum)		6° 19' 00" N 16° 23' 00" E	721 m
Roubi River, banks			
Sangha Mbaéré prefecture			
Djembe (see Nola)		3° 32' 00" N 16° 04' 00" E	442 m
Dzanga-Sangha Forest Reserve (see Dzanga-Sangha National Park)	ca.	3° 26' 00" N 16° 21' 00" E	
Dzanga-Sangha National Park	ca.	3° 26' 00" N 16° 21' 00" E	
(see also: Dzanga-Sangha Forest Reserve)			
Nola		3° 32' 00" N 16° 04' 00" E	442 m
(see also: Djembe)			
Nola region	ca.	3° 32' 00" N 16° 04' 00" E	
Salo			
Sangha River	ca.	3° 07' 00" N 16° 07' 00" E	
Vakaga prefecture			
Birao		10° 17' 00" N 22° 47' 00" E	469 m

Gordil		9° 36' 42" N 21° 41' 12" E	
Gordil III (see Bozo)		9° 36' 42" N 21° 41' 12" E	
Zemio			
Zouari-Muyo cave			
(see also: Nzouani-Muya cave)			
Chad			
Bahr el Ghazel region			
Batha region			
Borkou region			
Bourkou-Ennedi-Tibesti (former) region			
Ennedi	ca.	17° 15' 00" N 22° 00' 00" E	
Ounianga Kébir		19° 04' 00" N 20° 29' 00" E	400 m
Zouar		20° 27' 30" N 16° 31' 40" E	742 m
Chari-Baguirmi region			
Maïlao		11° 34' 59" N 15° 16' 53" E	273 m
Djiboulboul			
Ennedi Est region			
Ennedi Ouest region			
Guéra region			
Melfi		11° 03' 35" N 17° 55' 59" E	390 m
Melfi Mountains			
Hadjer-Lamis region			
Chari delta	ca.	13° 00' 00" N 15° 00' 00" E	
Kanem region			
Lac region			
Irtou		13° 19' 00" N 15° 10' 00" E	279 m
Logone Occidental region			
Mondou, near	ca.	8° 34' 00" N 16° 05' 00" E	
Mondu, near	ca.	8° 34' 00" N 16° 05' 00" E	
Moundou, near	ca.	8° 34' 00" N 16° 05' 00" E	
Moundu, near	ca.	8° 34' 00" N 16° 05' 00" E	
Logone Oriental region			
Baibokoum, 25 km SE (see Dagbao)		7° 39' 03" N 15° 53' 07" E	692 m
Bebedja (see Bébédjia)		8° 41' 00" N 16° 34' 00" E	397 m
Bébédjia, near Moundou?		8° 41' 00" N 16° 34' 00" E	397 m
(see also: Bebedja, Bebeidja, Bebeidjia, Bebiya)			
Bebeidja (see Bébédjia)		8° 41' 00" N 16° 34' 00" E	397 m
Bebeidjia (see Bébédjia)		8° 41' 00" N 16° 34' 00" E	397 m
Bebiya (see Bébédjia)		8° 41' 00" N 16° 34' 00" E	397 m
Dagbao, 25 km SE Baibokoum		7° 39' 03" N 15° 53' 07" E	692 m
(see also: Baibokoum, 25 km SE)			
Goré		7° 55' 00" N 16° 38' 00" E	438 m
Zami, intermittent stream	ca.	7° 45' 00" N 15° 49' 00" E	
(see also: Zamia)			
Zamia (see Zami, intermittent stream)	ca.	7° 45' 00" N 15° 49' 00" E	
Mandoul region			
Mayo-Kebbi Est region			
Mayo-Kebbi Ouest region			
Lac de Léré (see Léré, Lac de)		9° 37' 00" N 14° 09' 57" E	
Lake Léré (see Léré, Lac de)		9° 37' 00" N 14° 09' 57" E	
Léré		9° 37' 16" N 14° 13' 49" E	293 m
Léré, Lac de		9° 37' 00" N 14° 09' 57" E	
(see also: Lac de Léré, Lake Léré, Léré, lake)			
Léré, lake (see Léré, Lac de)		9° 37' 00" N 14° 09' 57" E	
Melfi		11° 05' 00" N 17° 57' 00" E	
Moyen-Chari region			
Archambault (see Sarh)		9° 09' 00" N 18° 23' 00" E	347 m
Fort Archambault (see Sarh)		9° 09' 00" N 18° 23' 00" E	347 m
Fort Archambault, 30 mi [=48 km] N (see Fort Archambault, 30 mi [=48 km] N)	ca.	9° 10' 00" N 18° 23' 00" E	
(see also: Fort Archambault, 30 mi [=48 km] N)			
Kiyabé (see Kyabé)		9° 27' 00" N 18° 57' 00" E	366 m
Kiyabi (see Kyabé)		9° 27' 00" N 18° 57' 00" E	366 m
Koskobo (see Kosokobo II)		9° 29' 00" N 19° 14' 56" E	362 m
Kosokobo (see Kosokobo II)		9° 29' 00" N 19° 14' 56" E	362 m
Kosokobo II		9° 29' 00" N 19° 14' 56" E	362 m
(see also: Koskobo, Kosokobo, Kossokobo)			
Kossokobo (see Kosokobo II)		9° 29' 00" N 19° 14' 56" E	362 m
Kyabé		9° 27' 00" N 18° 57' 00" E	366 m
(see also: Kiyabé, Kiyabi)			
Sahr (see Sarh)		9° 09' 00" N 18° 23' 00" E	347 m
Sarh		9° 09' 00" N 18° 23' 00" E	347 m
(see also: Archambault, Fort Archambault, Sahr)			
Sarh, 30 mi [=48 km] N	ca.	9° 09' 00" N 18° 23' 00" E	
N'DjaPC:NJl)			
Ouaddaï region			

Korkoro		12° 52' 00" N 21° 01' 00" E	500 m
(see also: Korkoru)			
Korkoru (see Korkoro)		12° 52' 00" N 21° 01' 00" E	500 m
Salamat region			
Tandjilé region			
Behagie (see Laï)		9° 23' 43" N 16° 17' 56" E	361 m
Behagle (see Laï)		9° 23' 43" N 16° 17' 56" E	361 m
Gidari (see Guidari), west of Sarh		9° 17' 00" N 16° 40' 00" E	419 m
Guidari, west of Sarh		9° 16' 08" N 16° 40' 21" E	424 m
(see also: Gidari)			
Laï		9° 23' 43" N 16° 17' 56" E	361 m
(see also: Behagie, Behagle)			
Tibesti region			
Enneri Dourao (see Enneri Zouarké)		20° 25' 00" N 16° 05' 00" E	
Enneri Zouarké		20° 25' 00" N 16° 05' 00" E	
(see also: Enneri Dourao, Zouarké, well)			
Tibesti		21° 30' 00" N 17° 30' 00" E	
Zouarké, well (see Enneri Zouarké)		20° 25' 00" N 16° 05' 00" E	
Ville de N'Djamena region			
(see also: N'Djamena City region |PC:NJ|)			
Fort Lamy (see N'Djamena)		12° 06' 47" N 15° 02' 57" E	
Fort-Lamy (see N'Djamena)		12° 06' 47" N 15° 02' 57" E	298 m
Lamy (see N'Djamena)		12° 06' 47" N 15° 02' 57" E	298 m
N'Djamena		12° 06' 47" N 15° 02' 57" E	298 m
(see also: Fort Lamy, Fort-Lamy, Lamy, Ndjemena)			
Ndjemena (see N'Djamena)		12° 06' 47" N 15° 02' 57" E	298 m
Wadi Fira region			
Zamia, near			
Chad, lake	ca.	13° 20' 00" N 14° 10' 00" E	
(see also: Lac Tchad, Lake Chad, Lake Tchad, Tchad, lac, Tsad, Tschad)			
Comoro Islands			
(see also: Comoros)			
AnjouPC:AN|)			
Adda Doueni (see Adda-Douéni)		12° 17' 33" S 44° 29' 50" E	645 m
Adda-Douéni		12° 17' 33" S 44° 29' 50" E	645 m
(see also: Adda Doueni)			
Anjouan		12° 15' 00" S 44° 25' 00" E	
(see also: Johanna Island)			
Bazimini		12° 10' 45" S 44° 26' 56" E	623 m
Buemokolo cave		12° 10' 51" S 44° 26' 46" E	
(see also: Grotte de Buemokolo)			
Grotte de Buemokolo (see Buemokolo cave)		12° 10' 51" S 44° 26' 46" E	
Bambao		12° 11' 56" S 44° 31' 06" E	19 m
(see also: Bambao M'Sanga, Cercle de Bambao)			
Bambao M'Sanga (see Bambao)		12° 11' 56" S 44° 31' 06" E	19 m
Bouélaouvanga, rock, tunnel along RN23, between Moya and Pomoni		12° 17' 23" S 44° 25' 39" E	5 m
Buemoukolo cave, at western edge of Bazimini		12° 10' 50" S 44° 26' 46" E	430 m
Cercle de Bambao (see Bambao)		12° 11' 56" S 44° 31' 06" E	19 m
Chanda (see Chandra), primary school		12° 11' 42" S 44° 27' 53" E	588 m
Chandra, primary school		12° 11' 42" S 44° 27' 53" E	588 m
(see also: Chanda)			
Chirove primary school (see Pomoni)		12° 16' 15" S 44° 23' 52" E	0 m
Collège d'Ouani (see Ouani College)		12° 08' 08" S 44° 25' 28" E	20 m
Dzialandée, lac de (see Dzialandée, lake)		12° 13' 16" S 44° 25' 58" E	890 m
Dzialandée, lake		12° 13' 16" S 44° 25' 58" E	890 m
(see also: Dzialandée, lac de, Lake Dzialandée)			
Ecole primaire de Chirove (see Pomoni)		12° 16' 00" S 44° 24' 00" E	0 m
Grotte de Hamapoudre (see Hamapoudre cave), near Mromagi		12° 12' 25" S 44° 30' 02" E	230 m
Grotte de Hapira (see Hapira cave), near Limbi along Trondroni River		12° 09' 32" S 44° 25' 57" E	270 m
Grotte de Mangamitsano (see Mangamitsano, cave), near RN12, between Bambao and Col de Patsi		12° 11' 22" S 44° 28' 40" E	260 m
Hamapoudre cave, near Mromagi		12° 12' 25" S 44° 30' 02" E	230 m
(see also: Grotte de Hamapoudre, Hamapoudre, grotte de)			
Hamapoudre, grotte de (see Hamapoudre cave), near Mromagi		12° 12' 25" S 44° 30' 02" E	230 m
Hapira cave, near Limbi along Trondroni River		12° 09' 32" S 44° 25' 57" E	270 m
(see also: Grotte de Hapira, Hapira, grotte de)			
Hapira, grotte de (see Hapira cave), near Limbi along Trondroni River		12° 09' 32" S 44° 25' 57" E	270 m
Johanna Island (see Anjouan)		12° 15' 00" S 44° 25' 00" E	

Lake Dzialandée (see Dzialandée, lake)		12° 13' 16" S 44° 25' 58" E	890 m
Mangamitsano, cave, near RN12, between Bambao and Col de Patsi (see also: Grotte de Mangamitsano, Mangamitsano, grotte de)		12° 11' 22" S 44° 28' 40" E	260 m
Mangamitsano, grotte de (see Mangamitsano, cave), near RN12, between Bambao and Col de Patsi		12° 11' 22" S 44° 28' 40" E	260 m
Matsamudu (see Moutsamoudou)		12° 09' 46" S 44° 23' 47" E	204 m
Mlima, near (see Patsi, Mlima (hill), near), 2.1 km SE Patsi		12° 11' 10" S 44° 29' 00" E	690 m
Moutsamoudou (see also: Matsamudu, Mutsamudu)		12° 09' 46" S 44° 23' 47" E	204 m
Moya, primary school		12° 18' 24" S 44° 26' 16" E	0 m
M'tsangamouhouni (see Mtsangamouthoum)		12° 08' 28" S 44° 25' 45" E	252 m
Mtsangamouthoum (see also: M'tsangamouhouni, N'tsangamouhouni)		12° 08' 28" S 44° 25' 45" E	252 m
Mutsamudu (see Moutsamoudou)		12° 09' 46" S 44° 23' 47" E	204 m
N'tsangamouhouni (see Mtsangamouthoum)		12° 08' 28" S 44° 25' 45" E	252 m
Oani College (see Ouani College), primary school		12° 08' 08" S 44° 25' 28" E	20 m
Ouani College, primary school (see also: Collège d'Ouani, Oani College, Ouany College)		12° 08' 08" S 44° 25' 28" E	20 m
Ouany College (see Ouani College), primary school		12° 08' 08" S 44° 25' 28" E	20 m
Patsi, along Mroni Koki River		12° 09' 20" S 44° 26' 14" E	343 m
Patsi, 2.1 km SE (see Patsi, Mlima (hill), near)		12° 11' 10" S 44° 29' 00" E	690 m
Patsi, Mlima (hill), near, 2.1 km SE Patsi (see also: Mlima, near, Patsi, 2.1 km SE, Patsy, 2.1 km SE, Wilson, 2.1 km SE)		12° 11' 10" S 44° 29' 00" E	690 m
Patsy (see Moroni, 9.2 km SE), along Mroni Koki River		12° 09' 20" S 44° 26' 14" E	343 m
Patsy, 2.1 km SE (see Patsi, Mlima (hill), near)		12° 11' 10" S 44° 29' 00" E	690 m
Pomoni (see also: Chirove primary school, Ecole primaire de Chirove, Pomony)		12° 16' 15" S 44° 23' 52" E	0 m
Pomony (see Pomoni)		12° 16' 15" S 44° 23' 52" E	0 m
Wilson (see Moroni, 9.2 km SE), along Mroni Koki River		12° 09' 20" S 44° 26' 14" E	343 m
Wilson, 2.1 km SE (see Patsi, Mlima (hill), near)		12° 11' 10" S 44° 29' 00" E	690 m
GrandPC:GC|)		11° 41' 26" S 43° 19' 19" E	
Boboni, cave near		11° 45' 09" S 43° 19' 49" E	916 m
Chamle, primary school		11° 26' 41" S 43° 16' 01" E	108 m
Convalescence (see La Convalescence)		11° 45' 18" S 43° 19' 11" E	1787 m
Dima, primary school		11° 53' 11" S 43° 24' 39" E	263 m
Grand Comoro		11° 35' 00" S 43° 20' 00" E	
Fassi		11° 33' 55" S 43° 16' 05" E	58 m
Grotte de Nioumbadjou (see Nioumbadjou cave)		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Grotte de Niumbadju (see Nioumbadjou cave)		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Grotte de Niumbaju (see Nioumbadjou cave)		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Grotte de Tohbugodunda (see Nioumbadjou cave)		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Nioumbadjou cave (see also: Grotte de Nioumbadjou, Grotte de Niumbadju, Grotte de Niumbaju, Grotte de Tohbugodunda, Niumbadju cave, Niumbaju cave, Tohbugodunda cave)		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Niumbadju cave (see Nioumbadjou cave)		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Niumbaju cave (see Nioumbadjou cave)		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Tohbugodunda cave (see Nioumbadjou cave)		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Hahaïa, primary school		11° 33' 39" S 43° 15' 44" E	15 m
Itsandha (see Itsandra)		11° 40' 16" S 43° 15' 17" E	154 m
Itsandra (see also: Itsandha)		11° 40' 16" S 43° 15' 17" E	154 m
La Convalescence (see also: Convalescence)		11° 45' 18" S 43° 19' 11" E	1787 m
La Convalescence, on trail to	ca.	11° 45' 18" S 43° 19' 11" E	630 m
La Coulée		11° 41' 00" S 43° 15' 00" E	
La Grille		11° 27' 00" S 43° 20' 00" E	844 m
Lima Mani		11° 50' 00" S 43° 24' 00" E	
Malakoff		11° 38' 00" S 43° 19' 00" E	
Mohoro, cultural centre		11° 49' 33" S 43° 26' 46" E	163 m
Moroni (see also: Moroni oasis)		11° 42' 15" S 43° 14' 25" E	40 m
Moroni oasis (see Moroni)		11° 42' 15" S 43° 14' 25" E	40 m
Moroni, 21.1 km N (see Panga Chilamouinani), near Fassi, 21.1 km N Moroni		11° 24' 26" S 43° 16' 58" E	80 m
Moroni, 9.2 km SE (see Panga Pachwa Myembe) (see also: Patsy, Wilson)		11° 50' 10" S 43° 18' 21" E	200 m

Moroni-Hahaia Airport entrance gate, 0.5 km N (see Moroni-Hahaïa airport, 0.5 km N of entrance gate)		11° 31' 46" S 43° 16' 38" E	15 m
Moroni-Hahaïa airport, 0.5 km N of entrance gate (see also: Moroni-Hahaia Airport entrance gate, 0.5 km N, Prince Said Ibrahim airport, 0.5 km N of entrance gate)		11° 31' 46" S 43° 25' 12" E	15 m
Nyamaoui Panga (see Panga Chilamouinani), near Fassi, 21.1 km N Moroni		11° 24' 26" S 43° 16' 58" E	80 m
Panga Chilamouinani, near Fassi, 21.1 km N Moroni (see also: Moroni, 21.1 km N, Nyamaoui Panga)		11° 24' 26" S 43° 16' 58" E	80 m
Panga Chilamoviani, cave	ca.	11° 45' 00" S 43° 20' 00" E	
Panga Milembeni, near village of Dimadjou		11° 27' 22" S 43° 22' 32" E	670 m
Panga Pachwa Myembe, 9.2 km SE Moroni (see also: Moroni, 9.2 km SE)		11° 50' 10" S 43° 18' 21" E	200 m
Prince Said Ibrahim airport, 0.5 km N of entrance gate (see Moroni-Hahaïa airport, 0.5 km N of entrance gate)		11° 31' 46" S 43° 25' 12" E	15 m
GrandPC:GC|)		11° 41' 26" S 43° 19' 19" E	
GrandPC:GC|)		11° 41' 26" S 43° 19' 19" E	
MohélPC:MO|)			
Bandakalala cave, near Siri-Ziroudani, along Maodjani River	ca.	12° 20' 03" S 43° 46' 50" E	200 m
Fomboni, primary school (see also: Fumboni)		12° 16' 48" S 43° 44' 33" E	5 m
Fomboni, 1 km N (see also: Fumboni, 1 km N)	ca.	12° 16' 48" S 43° 44' 33" E	
Fumboni (see Fomboni), primary school		12° 16' 48" S 43° 44' 33" E	5 m
Fumboni, 1 km N (see Fomboni, 1 km N)	ca.	12° 16' 48" S 43° 44' 33" E	
Itsamia, primary school and torture building		12° 21' 51" S 43° 52' 04" E	0 m
Luala I (see Ouallah I), along small river at east side of village		12° 19' 36" S 43° 39' 48" E	10 m
Luala I, near (see Ouallah I, near), along Akomodjou River		12° 19' 23" S 43° 40' 04" E	35 m
Luala II (see Ouallah II), primary school		12° 20' 41" S 43° 40' 15" E	35 m
Ndrondroni, primary school		12° 20' 34" S 43° 40' 56" E	10 m
Niomachoi (see Nioumachoua), primary school		12° 21' 41" S 43° 42' 55" E	0 m
Nioumachoi (see Nioumachoua), primary school		12° 21' 41" S 43° 42' 55" E	0 m
Nioumachoua, primary school (see also: Niomachoi, Nioumachoi, Nioumgchoi, Numa Choa)		12° 21' 41" S 43° 42' 55" E	0 m
Nioumgchoi (see Nioumachoua), primary school		12° 21' 41" S 43° 42' 55" E	0 m
Numa Choa (see Nioumachoua), primary school		12° 21' 41" S 43° 42' 55" E	0 m
Ouala I (see Ouallah I), along small river at east side of village		12° 19' 36" S 43° 39' 48" E	10 m
Ouala I, near (see Ouallah I, near), along Akomodjou River		12° 19' 23" S 43° 40' 04" E	35 m
Ouala II (see Ouallah II), primary school		12° 20' 41" S 43° 40' 15" E	35 m
Ouallah I, along small river at east side of village (see also: Luala I, Ouala I)		12° 19' 36" S 43° 39' 48" E	10 m
Ouallah I, near, along Akomodjou River (see also: Luala I, near, Ouala I, near)		12° 19' 23" S 43° 40' 04" E	35 m
Ouallah II, primary school (see also: Luala II, Ouala II)		12° 20' 41" S 43° 40' 15" E	35 m
Mwali Island (see also: Mohéli Island |PC:MO|)			
Chiconi (see Chikoni)		12° 17' 09" S 43° 37' 54" E	81 m
Chikoni (see also: Chiconi)		12° 17' 09" S 43° 37' 54" E	81 m
Miringoni		12° 17' 48" S 43° 38' 07" E	7 m
St Antoine		12° 17' 00" S 43° 40' 00" E	
Ngazidja Island (see also: Grand Comoro Island |PC:GC|, Grande Comore |PC:GC|, Grande Comore Island |PC:GC|)		11° 41' 26" S 43° 19' 19" E	
Nzwani Island (see also: Anjouan Island |PC:AN|)			
Comoros (see Comoro Islands)			
Congo			
Bouenza departement			
Grottes de N'Kila-N'Tari (see N'Kila-N'Tari caves)		4° 07' 13" N 13° 51' 10" E	
Kila N'Tari caves (see N'Kila-N'Tari caves), 150 km W Brazzaville, near Mouyondzi		4° 07' 13" S 13° 51' 10" E	
Mouionzi (see Mouyondzi)		3° 59' 26" S 13° 54' 52" E	383 m
Mouyondzi (see also: Mouionzi)		3° 59' 26" S 13° 54' 52" E	383 m

Nkila caves (see N'Kila-N'Tari caves)		4° 07' 13" N 13° 51' 10" E	
N'Kila-N'Tari caves		4° 07' 13" N 13° 51' 10" E	
(see also: Grottes de N'Kila-N'Tari, Kila N'Tari caves, Nkila caves, Nkila-Ntari caves)			
Nkila-Ntari caves (see N'Kila-N'Tari caves)		4° 07' 13" N 13° 51' 10" E	
Brazzaville departement			
Bamu Island (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Brazzaville		4° 15' 33" S 15° 17' 05" E	155 m
(see also: Centre ORSTOM, Maya-Maya, N'Tamo, ORSTOM center)			
Brazzaville, near	ca.	4° 15' 00" S 15° 17' 00" E	
Centre ORSTOM (see Brazzaville)		4° 15' 33" S 15° 17' 05" E	155 m
Île Bamu (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Île Mbamou (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Île Mbamu (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Île Mont Bamou (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Maya-Maya (see Brazzaville)		4° 15' 33" S 15° 17' 05" E	155 m
Mbamou Island		4° 12' 34" S 15° 25' 06" E	
(see also: Bamu Island, Île Bamu, Île Mbamou, Île Mbamu, Île Mont Bamou, M'Bamou Island, Mbamu Island, Mount Bamou Island)			
Malebo Pool (see Stanley Pool)		4° 11' 22" S 15° 26' 19" E	
Ncouna (see Stanley Pool)		4° 11' 22" S 15° 26' 19" E	
Pool Malebo (see Stanley Pool)		4° 11' 22" S 15° 26' 19" E	
Stanley Pool		4° 11' 22" S 15° 26' 19" E	
(see also: Malebo Pool, Ncouna, Pool Malebo)			
M'Bamou Island (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Mbamu Island (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Mount Bamou Island (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
N'Tamo (see Brazzaville)		4° 15' 33" S 15° 17' 05" E	155 m
ORSTOM center (see Brazzaville)		4° 15' 33" S 15° 17' 05" E	155 m
Cuvette departement			
Fort Pousset (see Owando)		0° 29' 13" S 15° 54' 29" E	325 m
Fort Rousset (see Owando)		0° 29' 13" S 15° 54' 29" E	325 m
Kunda, near Owando		0° 25' 00" S 15° 45' 00" E	
Mossaka		1° 12' 51" S 16° 47' 39" E	290 m
(see also: Mossake, Village Mossake)			
Mossake (see Mossaka)		1° 12' 51" S 16° 47' 39" E	290 m
Ouando (see Owando)		0° 29' 13" S 15° 54' 29" E	325 m
Owando		0° 29' 13" S 15° 54' 29" E	325 m
(see also: Fort Pousset, Fort Rousset, Ouando)			
Village Mossake (see Mossaka)		1° 12' 51" S 16° 47' 39" E	290 m
Cuvette-Ouest departement			
Domaine de Chasse de Mboko (see Mboko hunting area)		0° 31' 54" N 14° 51' 44" E	
Eouo (see Ewo)		0° 52' 21" S 14° 49' 14" E	532 m
Ewo		0° 52' 21" S 14° 49' 14" E	532 m
(see also: Eouo)			
Mboko hunting area		0° 31' 54" N 14° 51' 44" E	
(see also: Domaine de Chasse de Mboko)			
Odzala National Park		0° 53' 31" N 14° 50' 18" E	
(see also: Parc National d'Odzala)			
Parc National d'Odzala (see Odzala National Park)		0° 53' 31" N 14° 50' 18" E	
Inhumbane			
Inyanga			
Kouilou departement	ca.	4° 00' 00" S 12° 00' 00" E	
(see also: Région de Kouilou)			
Cote-Matève, 1 mi [=1.6 km] SE		4° 52' 03" S 11° 55' 16" E	
Dimonika		4° 13' 53" S 12° 26' 22" E	250 m
Dinguembo, near Cotovindo		3° 47' 30" S 11° 55' 35" E	
Kouilou			
Grotte de Kimanika		3° 59' 00" S 14° 25' 00" E	
(see also: Kimanika cave, Kimanika, grotte de)			
Grotte de Meya.Nzou.Ki (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Kimanika cave (see Grotte de Kimanika)		3° 59' 00" S 14° 25' 00" E	
Kimanika, grotte de (see Grotte de Kimanika)		3° 59' 00" S 14° 25' 00" E	
Kouilou River, Kouilou River			
La Sounda (see Sounda)		4° 05' 00" S 12° 08' 00" E	36 m
Loudima			
Doumboula cave (see Doumboula, grotte de)		4° 15' 00" S 13° 00' 00" E	
Doumboula, grotte de		4° 15' 00" S 13° 00' 00" E	
(see also: Doumboula cave, Grotte de Doumboula)			
Grotte de Doumboula (see Doumboula, grotte de)		4° 15' 00" S 13° 00' 00" E	
Grotte du Viaduc (see Viaduc, grotte du)		4° 15' 00" S 13° 00' 00" E	
Loudima cave		4° 15' 00" S 13° 00' 00" E	

Viaduc, cave (see Viaduc, grotte du)		4° 15' 00" S 13° 00' 00" E	
Viaduc, grotte du		4° 15' 00" S 13° 00' 00" E	
(see also: Grotte du Viaduc, Viaduc, cave)			
Majumba (see Mayombe area)		4° 30' 00" S 12° 30' 00" E	
Mayombe area		4° 30' 00" S 12° 30' 00" E	
(see also: Majumba)			
Pointe-Noire, 3 mi [=4.8 km] SE	ca.	4° 53' 00" S 11° 55' 00" E	
Sounda		4° 05' 00" S 12° 08' 00" E	36 m
(see also: La Sounda)			
Lékoumou departement			
Grotte de Lebayi (see Lebayi cave)		2° 42' 03" S 13° 35' 58" E	
Komono		3° 16' 39" S 13° 13' 34" E	460 m
Lebayi cave		2° 42' 03" S 13° 35' 58" E	
(see also: Grotte de Lebayi)			
Lekoumou airport		2° 46' 46" S 13° 33' 36" E	
Lekoumou airport road		2° 45' 43" S 13° 34' 57" E	
Lekoumou forest corridor		3° 25' 35" S 12° 45' 40" E	
Lekoumou forest trails		2° 45' 46" S 13° 36' 22" E	
Lekoumou waterfall forest		2° 45' 33" S 13° 36' 21" E	
Sibidi (see Sibiti)		3° 41' 09" S 13° 20' 45" E	440 m
Sibiti		3° 41' 09" S 13° 20' 45" E	440 m
(see also: Sibidi)			
Sibiti cave		3° 41' 09" S 13° 20' 45" E	440 m
Likouala departement			
Desbordesville (see Impfondo)		1° 38' 17" N 18° 04' 00" E	326 m
Epéna district			
Epana (see Epéna)		1° 21' 09" N 17° 27' 09" E	376 m
Epéna		1° 21' 09" N 17° 27' 09" E	376 m
(see also: Epana)			
Impfondo		1° 38' 17" N 18° 04' 00" E	326 m
(see also: Desbordesville, Imponfo)			
Imponfo (see Impfondo)		1° 38' 17" N 18° 04' 00" E	326 m
Niari departement			
Bongolo		3° 35' 00" S 12° 15' 00" E	252 m
Divanié (see Divenié)		2° 40' 38" S 12° 05' 08" E	540 m
Divégni (see Divenié)		2° 40' 38" S 12° 05' 08" E	540 m
Divenié, near Mont Vouary ?		2° 40' 38" S 12° 05' 08" E	540 m
(see also: Divanié, Divégni, Divina)			
Divina (see Divenié)		2° 40' 38" S 12° 05' 08" E	540 m
Kelé		3° 20' 48" S 12° 28' 15" E	173 m
Milamila		3° 43' 12" S 12° 27' 14" E	
Oubangi		0° 30' 00" S 17° 00' 00" E	
Plateaux departement			
Dambala (see Djambala)		2° 34' 41" S 14° 45' 12" E	622 m
Djambala		2° 34' 41" S 14° 45' 12" E	622 m
(see also: Dambala, Djamballa)			
Djamballa (see Djambala)		2° 34' 41" S 14° 45' 12" E	622 m
Pointe-Noire departement			
Pointe Noire (see Pointe-Noire)		4° 47' 41" S 11° 50' 46" E	1 m
Pointe-Noire		4° 47' 41" S 11° 50' 46" E	1 m
(see also: Pointe Noire)			
Pool departement			
Boko district			
Voka		4° 41' 00" S 14° 41' 00" E	621 m
Boulankio		3° 49' 10" S 15° 15' 18" E	605 m
Grotte de Matounidi (see Mayama)		3° 50' 50" S 14° 53' 30" E	
Grotte de Maya (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Kin Damba (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Kinkala		4° 21' 41" S 14° 45' 52" E	407 m
Matounidi cave (see Mayama)		3° 50' 50" S 14° 53' 30" E	
Maya cave (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Mayama		3° 50' 50" S 14° 53' 30" E	
(see also: Grotte de Matounidi, Matounidi cave)			
Méya (cave)		3° 53' 16" S 14° 31' 19" E	411 m
Meya.Nzou.Ki cave (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Meya.Nzou.Ki, grotte de (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Meya-Nzouari, cave		3° 53' 16" S 14° 31' 19" E	
(see also: Grotte de Maya, Grotte de Meya.Nzou.Ki, Kin Damba, Maya cave, Meya.Nzou.Ki cave, Meya.Nzou.Ki, grotte de)			
Mpoka-Méya road		3° 54' 00" S 14° 30' 00" E	
N'Gabi		3° 12' 53" S 16° 10' 25" E	151 m
Région de Kouilou (see Kouilou departement)			
Sangha departement			

Kangamatoko		1° 33' 37" N 15° 37' 56" E	363 m
(see also: Kango, Kango Matako, Kango Matoko, Kango Metoko)			
Kango (see Kangamatoko)		1° 33' 37" N 15° 37' 56" E	363 m
Kango Matako (see Kangamatoko)		1° 33' 37" N 15° 37' 56" E	363 m
Kango Matoko (see Kangamatoko)		1° 33' 37" N 15° 37' 56" E	363 m
Kango Metoko (see Kangamatoko)		1° 33' 37" N 15° 37' 56" E	363 m
Tchilounga			
(see also: Tschiloango [=Tchilounga])			
Tschiloango [=Tchilounga] (see Tchilounga)			
Congo (Democratic Republic of the)			
Bandungu (former) province, see Mai Ndombe, Kwilu or Kwango provinces			
Bas Congo (former) province (see Kongo Central province)	ca.	5° 00' 00" S 15° 00' 00" E	
Bas Congo province (see Kongo Central province)	ca.	5° 00' 00" S 15° 00' 00" E	
Bas Uele province			
(see also: Lower Uele province)			
Akenge (see Akengei)		2° 56' 00" N 26° 50' 00" E	654 m
Akengei		2° 56' 00" N 26° 50' 00" E	654 m
(see also: Akenge)			
Aketi territory			
Aketi		2° 50' 00" N 23° 56' 00" E	ca. 500 m
(see also: Port Chaltin)			
Port Chaltin (see Aketi)		2° 50' 00" N 23° 56' 00" E	ca. 500 m
Alipago		3° 34' 00" N 25° 44' 00" E	565 m
(see also: Alipango, Alipaye, Alipei)			
Alipango (see Alipago)		3° 34' 00" N 25° 44' 00" E	565 m
Alipaye (see Alipago)		3° 34' 00" N 25° 44' 00" E	565 m
Alipei (see Alipago)		3° 34' 00" N 25° 44' 00" E	565 m
Ango		4° 02' 00" N 25° 52' 00" E	610 m
Angu, near	ca.	3° 33' 00" N 24° 28' 00" E	
Bambesa		3° 28' 00" N 25° 43' 00" E	614 m
Buta		2° 48' 00" N 24° 44' 00" E	434 m
Digba		4° 24' 00" N 25° 47' 00" E	629 m
Djamba		2° 53' 00" N 24° 02' 00" E	419 m
Gundu, mount			
(see also: Mount Gundu)			
Ango cave		4° 02' 00" N 25° 52' 00" E	610 m
(see also: Ango grot, Grotte d'Ango)			
Ango grot (see Ango cave)		4° 02' 00" N 25° 52' 00" E	610 m
Grotte d'Ango (see Ango cave)		4° 02' 00" N 25° 52' 00" E	610 m
Ibembo		2° 38' 00" N 23° 37' 00" E	420 m
Koloka, S of Angu		3° 23' 00" N 24° 30' 00" E	
Koteli (see Kotili)		2° 52' 00" N 24° 33' 00" E	432 m
Kotili		2° 52' 00" N 24° 33' 00" E	432 m
(see also: Koteli)			
Likandi river (see Litaki river)		3° 11' 00" N 26° 11' 00" E	
Likati River		2° 53' 46" N 24° 02' 54" E	
Litaki river		3° 11' 00" N 26° 11' 00" E	
(see also: Likandi river)			
Lobi		4° 09' 40" N 23° 05' 31" E	
Melume		2° 58' 10" N 24° 56' 00" E	508 m
Mount Gundu (see Gundu, mount)			
Naimniam			
Niapu		2° 25' 00" N 26° 28' 00" E	619 m
Poko, on Bomokandi river		3° 09' 00" N 26° 53' 00" E	641 m
Poko territory	ca.	3° 09' 00" N 26° 53' 00" E	
(see also: Poko zone)			
Poko zone (see Poko territory)	ca.	3° 09' 00" N 26° 53' 00" E	
Semmio (see Zemio), Niam-Niam		5° 03' 00" N 27° 07' 00" E	
Semnio (see Zemio)		5° 03' 00" N 27° 07' 00" E	
Sukisa		2° 19' 05" N 24° 59' 17" E	470 m
Zemio		5° 03' 00" N 27° 07' 00" E	
(see also: Semmio, Semnio)			
Zobia		2° 58' 00" N 25° 56' 00" E	609 m
Belgian River			
Bondo Mabe, near Arebi ?		2° 36' 00" N 29° 34' 00" E	
Buye Bala		0° 57' 36" S 0° 26' 53" E	
East Kasai (former) province (see Kasai Oriental (former) province), see Sankuru, Lomani or Kasai Oriental provinces			
East Kasai province (see Kasai Oriental province)			
Eastern Congo			

Equateur (former) province, see Equateur, Tshuapa, Sud Ubangi, Nord Ubangi or Mongala provinces (see also: Evenaarsprovincie)			
Gandu			
Equateur province			
Bamania (see Bamanya)		0° 01' 00" N 18° 24' 00" E	
Bamanya (see also: Bamania)		0° 01' 00" N 18° 24' 00" E	
Bandaka (see also: Cocquilhatville, Coquilhalville, Coquilhatstad, Coquilhatville, Wangata)		0° 04' 00" N 18° 16' 00" E	306 m
Bikoro		0° 45' 00" S 18° 07' 00" E	344 m
Bokuma, near Mbandaka		0° 06' 00" S 18° 42' 00" E	340 m
Boteka		0° 19' 00" S 19° 07' 00" E	337 m
Boteka (see also: Boteke, Flandria, Frandria)		0° 20' 00" S 19° 06' 00" E	333 m
Boteke (see Boteka)		0° 19' 00" S 19° 07' 00" E	337 m
Cocquilhatville (see Bandaka)		0° 04' 00" N 18° 16' 00" E	306 m
Coquilhalville (see Bandaka)		0° 04' 00" N 18° 16' 00" E	306 m
Coquilhatstad (see Bandaka)		0° 04' 00" N 18° 16' 00" E	306 m
Coquilhatville (see Bandaka)		0° 04' 00" N 18° 16' 00" E	306 m
Eala		0° 04' 00" N 18° 17' 00" E	301 m
Flandria (see Boteka)		0° 19' 00" S 19° 07' 00" E	337 m
Frandria (see Boteka)		0° 19' 00" S 19° 07' 00" E	337 m
Ikange (see Ikengo)		0° 08' 00" S 18° 08' 00" E	301 m
Ikenge (see Ikengo)		0° 08' 00" S 18° 08' 00" E	301 m
Ikengo (see also: Ikange, Ikenge)		0° 08' 00" S 18° 08' 00" E	301 m
Imbonga		0° 43' 00" S 19° 46' 00" E	364 m
Irebu		0° 37' 00" S 17° 45' 00" E	
Iyonda, near Coquilhatville [=Mbandaka]		0° 02' 00" S 18° 12' 00" E	
Kinkole, 25 mi [= 40 km] N of Kinshasa		3° 57' 00" S 16° 07' 00" E	474 m
Lac Tumba (see Tumba, lake)	ca.	0° 48' 00" S 18° 03' 00" E	
Lake Tumba (see Tumba, lake)	ca.	0° 48' 00" S 18° 03' 00" E	
Lake Tumba, Island in	ca.	0° 48' 00" S 18° 03' 00" E	
Mabali, E coast Lake Tumba		0° 55' 00" S 18° 09' 00" E	
Mbandaka		0° 04' 00" N 18° 16' 00" E	306 m
Tondu		0° 53' 00" S 18° 09' 00" E	
Tumba, lac (see Tumba, lake)	ca.	0° 48' 00" S 18° 03' 00" E	
Tumba, lake (see also: Lac Tumba, Lake Tumba, Tumba, lac, Tumbe meer)	ca.	0° 48' 00" S 18° 03' 00" E	
Tumbe meer (see Tumba, lake)	ca.	0° 48' 00" S 18° 03' 00" E	
Wangata (see Bandaka)		0° 04' 00" N 18° 16' 00" E	306 m
Yalokele		0° 39' 44" S 22° 47' 53" E	443 m
Evenaarsprovincie (see Equateur (former) province)			
Grotte de Montembessa (see Montembessa cave)			
Grotte de Mpopola (see Mpopola cave), Haut Lomami or Kolwezi province		9° 56' 00" S 25° 58' 00" E	1450 m
Haut Katanga province (see also: Upper Katanga province)			
Baga Cave, near Lubumbashi	ca.	11° 40' 00" S 27° 28' 00" E	
Baga cave (see Baya cave)		11° 52' 00" S 27° 27' 00" E	1279 m
Baya carrière (see Baya quarry), 30 km S Lubumbashi		11° 52' 00" S 27° 27' 00" E	1279 m
Baya cave (see Baya quarry) (see also: Baga cave, Grotte de Baya, Grotte de M'baya, M'baya cave, M'baya grot)		11° 52' 00" S 27° 27' 00" E	1279 m
Baya grot (see Baya quarry)		11° 52' 00" S 27° 27' 00" E	1279 m
Baya quarry, 30 km S Lubumbashi (see also: Baya carrière, Baya cave, Baya grot, Carrière Baya, Carrière Pierkat, Lubumbashi, 30 km S, Pierkat quarry)		11° 52' 00" S 27° 27' 00" E	1279 m
Bulaga (see Kasenga road, km 37)		11° 37' 00" S 27° 40' 00" E	
Bunkeya (see also: Bunkeye)		10° 24' 00" S 26° 58' 00" E	1008 m
Bunkeye (see Bunkeya)		10° 24' 00" S 26° 58' 00" E	1008 m
Carrière Baya (see Baya quarry), 30 km S Lubumbashi		11° 52' 00" S 27° 27' 00" E	1279 m
Carrière Pierkat (see Baya quarry)		11° 52' 00" S 27° 27' 00" E	1279 m
Eidolon land, E of Kundulungu	ca.	10° 30' 00" S 27° 30' 00" E	
Elisabethstad (see Lubumbashi)		11° 40' 00" S 27° 26' 00" E	1209 m
Elisabethville (see Lubumbashi)		11° 40' 00" S 27° 26' 00" E	1209 m
Elizabethville (see Lubumbashi)		11° 40' 00" S 27° 28' 00" E	1208 m
E'ville (see Lubumbashi)		11° 40' 00" S 27° 26' 00" E	1209 m
Farm 'des grands bois' (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Grotte de Baya (see Baya cave)		11° 52' 00" S 27° 27' 00" E	1279 m

Grotte de Kakontwe (see Kakontwe cave), Likasi, ca. 8 km S	10° 59' 00" S 26° 38' 00" E	1294 m
Grotte de Kalomoni (see Kakontwe)	10° 59' 00" S 26° 40' 00" E	1294 m
Grotte de Kalumbu (see Kalumbu cave), near Kabolela, near Likasi	10° 51' 00" S 26° 39' 00" E	
Grotte de Kando (see Kando cave)	10° 49' 00" S 26° 07' 00" E	
Grotte de Lusolo (see Lusolo grot)	9° 56' 00" S 25° 28' 00" E	
Grotte de M'baya (see Baya cave), near Lubumbashi	11° 52' 00" S 27° 27' 00" E	1279 m
Grotte de Pempere (see Pempere cave), 15 km S Likasi	10° 58' 00" S 26° 47' 00" E	
Grotte de Tshamalenge (see Tshamalenge cave)	11° 46' 00" S 26° 30' 00" E	
Grottes Kiwakishi	9° 00' 00" S 27° 12' 00" E	
Inakiluba (see also: Nakiluba, Nakilubo)	11° 34' 00" S 27° 19' 00" E	1280 m
Jadotstad (see Likasi)	10° 58' 53" S 26° 44' 00" E	1318 m
Jadotsville (see Likasi)	10° 58' 53" S 26° 44' 00" E	1318 m
Jadotville (see Likasi)	10° 58' 53" S 26° 44' 00" E	1318 m
Jadotville, ca. 8 km S (see Kakontwe)	10° 59' 00" S 26° 40' 00" E	1253 m
Jadoville (see Likasi)	10° 58' 53" S 26° 44' 00" E	1318 m
Kakonde river	11° 04' 39" S 26° 31' 15" E	
Kakontwa (see Kakontwe), road to Kambove	10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwe, road to Kambove, ca. 8 km S Likasi (see also: Grotte de Kalomoni, Jadotville, ca. 8 km S, Kakontwa, Kakontwe Camp, Kalomoni cave, Kalomoni grot, Likasi, ca. 8 km S)	10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwe Camp (see Kakontwe), Likasi, ca. 8 km S	10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwe cave, Likasi, ca. 8 km S (see also: Grotte de Kakontwe, Kakontwe grot)	10° 59' 00" S 26° 38' 00" E	1294 m
Kakontwe grot (see Kakontwe cave), Likasi, ca. 8 km S	10° 59' 00" S 26° 38' 00" E	1294 m
Kakyelo, on the Luombwa River	12° 21' 00" S 29° 35' 00" E	
Kalomoni cave (see Kakontwe), Likasi, 8 km S	10° 59' 00" S 26° 40' 00" E	1294 m
Kalomoni grot (see Kakontwe), Likasi, 8 km S	10° 59' 00" S 26° 40' 00" E	1294 m
Kalulako	11° 42' 00" S 27° 34' 00" E	
Kalumbu cave, near Kabolela, near Likasi (see also: Grotte de Kalumbu, Kalumbu grot)	10° 51' 00" S 26° 39' 00" E	
Kalumbu grot (see Kalumbu cave), near Kabolela, near Likasi	10° 51' 00" S 26° 39' 00" E	
Kamp u.m.H(aut).K(atanga)., on a banana tree (see also: Kamp U.M.H.K.)	11° 41' 00" S 27° 29' 00" E	
Kamp U.M.H.K. (see Kamp u.m.H(aut).K(atanga).), near Elisabethville	11° 41' 00" S 27° 29' 00" E	
Kando cave (see also: Grotte de Kando, Kando grot)	10° 49' 00" S 26° 07' 00" E	
Kando grot (see Kando cave)	10° 49' 00" S 26° 07' 00" E	
Kapolowe, St. Gerard mission (see also: Kapolowe mission, Mission St Gerard, St Gerard mission)	11° 02' 00" S 26° 57' 00" E	1135 m
Kapolowe mission (see Kapolowe)	11° 02' 00" S 26° 57' 00" E	1135 m
Kaponda (see also: Kaponde, Kapondo)	11° 45' 00" S 27° 20' 00" E	1274 m
Kaponde (see Kaponda)	11° 45' 00" S 27° 20' 00" E	1274 m
Kapondo (see Kaponda)	11° 45' 00" S 27° 20' 00" E	1274 m
Karavia [mine]	11° 39' 00" S 27° 17' 00" E	
Kasapa	11° 34' 00" S 27° 25' 00" E	1243 m
Kasenga road, km 37 (see also: Bulaga)	11° 37' 00" S 27° 40' 00" E	
Kasenga road, km 67	11° 00' 00" S 28° 07' 00" E	
Kasenga territory	10° 22' 00" S 28° 38' 00" E	
Chibambo (see Shibambo)	10° 18' 00" S 28° 37' 00" E	928 m
Kasenga (see also: Kasenga mission, Mission Kasenga)	10° 22' 00" S 28° 38' 00" E	938 m
Kasenga mission (see Kasenga)	10° 22' 00" S 28° 38' 00" E	938 m
Kasenga road, km 106	10° 44' 00" S 28° 26' 00" E	
Mission Kasenga (see Kasenga)	10° 22' 00" S 28° 38' 00" E	938 m
Shibambo (see also: Chibambo, Shibombo, Tshibambo)	10° 18' 00" S 28° 37' 00" E	928 m
Shibombo (see Shibambo)	10° 18' 00" S 28° 37' 00" E	928 m
Tshibambo (see Shibambo)	10° 18' 00" S 28° 37' 00" E	928 m
Kasengo (see also: Kasongo)	11° 26' 28" S 27° 58' 04" E	1147 m
Kashiobwe (see also: Kashiobwe mission, Mission Kashiobwe)	9° 39' 00" S 28° 37' 00" E	918 m
Kashiobwe mission (see Kashiobwe)	9° 39' 00" S 28° 37' 00" E	918 m
Kasombo		

Kasongo (see Kasengo)		11° 26' 28" S 27° 58' 04" E	1147 m
Kasongo Mwano		8° 44' 00" S 27° 51' 00" E	
Katapena, thermal spring in the vicinity of Lake Upemba	ca.	8° 35' 00" S 26° 25' 00" E	
Kenya, near Lubumbashi		11° 44' 00" S 27° 30' 00" E	1119 m
Keyberg, near Lubumbashi		11° 43' 00" S 27° 25' 00" E	
Kiamanwa		9° 30' 00" S 27° 55' 00" E	
Kibanda		8° 57' 00" S 27° 38' 00" E	1223 m
Kifumwanshi		11° 27' 00" S 27° 51' 00" E	
Kilobelobe (see Kilobilobe)		11° 42' 00" S 27° 34' 00" E	
Kilobilobe (see also: Kilobelobe)		11° 42' 00" S 27° 34' 00" E	
Kilwa, lake Moero		9° 18' 00" S 28° 20' 00" E	918 m
Kimilolo		11° 42' 00" S 27° 25' 00" E	
Kinke, near Lubumbashi		11° 27' 00" S 27° 29' 00" E	1287 m
Kipopo		11° 34' 00" S 27° 21' 00" E	
Kipushi territory		11° 46' 00" S 27° 14' 00" E	
Ferme Wasseige (see Wasseige farm)		11° 49' 45" S 27° 20' 00" E	
Kikanda		11° 33' 00" S 27° 37' 00" E	
Kipushi		11° 46' 00" S 27° 14' 00" E	1329 m
Kipushi, 15 km from (see Wasseige farm)		11° 49' 45" S 27° 20' 00" E	
Kipushi, road to	ca.	11° 45' 00" S 27° 15' 00" E	
Wasseige boerderij (see Wasseige farm)		11° 49' 45" S 27° 20' 00" E	
Wasseige farm, near Elisabethville (see also: Ferme Wasseige, Kipushi, 15 km from, Wasseige boerderij)		11° 49' 45" S 27° 20' 00" E	
Kisiushi, Kinke - Elisabethville [=Lubumbashi] road		11° 30' 00" S 27° 30' 00" E	
Kiswishi [river], near Lubumbashi		12° 51' 00" S 29° 12' 00" E	
Kivulo, on Lufira river			
Kundelungu National Park (see also: Park National de Kundelungo)	ca.	10° 30' 00" S 27° 30' 00" E	
Kaloba, 5 km from	ca.	10° 16' 00" S 27° 37' 00" E	
Katwé		10° 27' 51" S 27° 51' 30" E	
Lac Moero (see Moero, lake)		9° 00' 00" S 28° 45' 00" E	
Lake Moero (see Moero, lake)		9° 00' 00" S 28° 45' 00" E	
Likasi (see also: Farm 'des grands bois', Jadotstad, Jadotsville, Jadotville, Jadoville, Mission Sainte Thérèse, Panda Camp, St Therese mission, St. Theresa mission)		10° 58' 53" S 26° 44' 00" E	1318 m
Likasi, 130 km N (see Tenke)		10° 35' 00" S 26° 07' 00" E	1512 m
Likasi, ca. 8 km S (see Kakontwe)		10° 59' 00" S 26° 40' 00" E	1253 m
Loanza mission (see Luanza mission)		8° 42' 00" S 28° 42' 00" E	1132 m
Luanza missie (see Luanza mission)		8° 42' 00" S 28° 42' 00" E	1132 m
Luanza mission (see also: Loanza mission, Luanza missie, Mission de Luanza)		8° 42' 00" S 28° 42' 00" E	1132 m
Lubumbashi (see also: Elisabethstad, Elisabethville, Elizabethville, E'ville, Lumumbashi)		11° 40' 00" S 27° 28' 00" E	1208 m
Lubumbashi, 30 km S (see Baya quarry)		11° 52' 00" S 27° 27' 00" E	1279 m
Lubumbashi, 68 km E		11° 07' 00" S 28° 08' 00" E	
Lubumbashi, 69 km E (see Musonge)		11° 28' 00" S 27° 52' 00" E	1183 m
Lubumbashi, 70 km E (see Mumena)		11° 04' 00" S 28° 08' 00" E	
Lubwe		10° 42' 56" S 27° 22' 33" E	
Lufira River, upper (see also: Lupufa River, near)	ca.	10° 54' 27" S 26° 59' 42" E	
Lukafu		10° 31' 00" S 27° 33' 00" E	930 m
Lukonzolwa		8° 47' 00" S 28° 39' 00" E	918 m
Lumumbashi (see Lubumbashi)		11° 40' 00" S 27° 26' 00" E	1209 m
Lupufa River, near (see Lufira River, upper)	ca.	10° 54' 27" S 26° 59' 42" E	
Lusolo grot (see also: Grotte de Lusolo)		9° 56' 00" S 25° 28' 00" E	
Madimao		11° 40' 00" S 27° 29' 00" E	
Masombwe		9° 05' 00" S 27° 12' 00" E	1163 m
M'baya cave (see Baya cave), near Lubumbashi		11° 52' 00" S 27° 27' 00" E	1279 m
M'baya grot (see Baya cave), near Lubumbashi		11° 52' 00" S 27° 27' 00" E	1279 m
Mimbulu		11° 43' 00" S 27° 19' 00" E	
Mission de Luanza (see Luanza mission)		8° 42' 00" S 28° 42' 00" E	1132 m
Mission Kashiobwe (see Kashiobwe)		9° 39' 00" S 28° 37' 00" E	918 m
Mission Sainte Thérèse (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Mission St Gerard (see Kapolowe)		11° 02' 00" S 26° 57' 00" E	1135 m
Mitwaba territory		8° 39' 00" S 27° 20' 00" E	
Moero meer (see Moero, lake)		9° 00' 00" S 28° 45' 00" E	
Moero, lake (see also: Lac Moero, Lake Moero, Moero meer)		9° 00' 00" S 28° 45' 00" E	

Mufunga, on Kufua (or Lufua) river		10° 58' 00" S 26° 47' 00" E	
Mukuen		11° 46' 00" S 27° 27' 00" E	
(see also: Mukween, Mukwen, Mukwena)			
Mukuta (see Mututa)		11° 21' 00" S 27° 47' 00" E	1229 m
Mukween (see Mukuen)		11° 46' 00" S 27° 27' 00" E	
Mukwen (see Mukuen)		11° 46' 00" S 27° 27' 00" E	
Mukwena (see Mukuen)		11° 46' 00" S 27° 27' 00" E	
Mumena, 70 km E Lubumbashi		11° 46' 00" S 26° 31' 00" E	1460 m
Mumena, 70 km E Lubumbashi		11° 04' 00" S 28° 08' 00" E	1460 m
(see also: Lubumbashi, 70 km E, Mumene)			
Mumene (see Mumena), 40 km E Lubumbashi		11° 04' 00" S 28° 08' 00" E	
Mura pumping station, near Likasi		10° 58' 00" S 26° 32' 00" E	
Muradingusha (see Mwadingusha)		10° 45' 00" S 27° 15' 00" E	1158 m
Musonge, 69 km E Lubumbashi		11° 28' 00" S 27° 52' 00" E	1183 m
(see also: Lubumbashi, 69 km E)			
Mututa		11° 21' 00" S 27° 47' 00" E	1229 m
(see also: Mukuta)			
Muvule, cave 4 km from	ca.	9° 11' 00" S 27° 13' 00" E	
Mwadingusha, electricity plant		10° 45' 00" S 27° 15' 00" E	1158 m
Mwadingusha		10° 45' 00" S 27° 15' 00" E	1158 m
(see also: Muradingusha)			
Mwelampande (see Tenke), 130 km N Likasi		10° 35' 00" S 26° 07' 00" E	1512 m
Mwela-Pande cave (see Tenke), 130 km N Likasi		10° 35' 00" S 26° 07' 00" E	1512 m
Mwera		11° 19' 00" S 27° 18' 00" E	
Nakiluba (see Inakiluba)		11° 34' 00" S 27° 19' 00" E	1280 m
Nakilubo (see Inakiluba)		11° 34' 00" S 27° 19' 00" E	1280 m
Panda (see Pande), near Likasi		10° 37' 00" S 26° 50' 00" E	1140 m
Panda Camp (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Pande, near Likasi		10° 37' 00" S 26° 50' 00" E	1140 m
(see also: Panda)			
Pandé, forest N of	ca.	10° 37' 00" S 26° 50' 00" E	ca. 1100 m
Park National de Kundelungo (see Kundelungu National Park)	ca.	10° 30' 00" S 27° 30' 00" E	
Pempere cave, 15 km S Likasi		10° 58' 00" S 26° 47' 00" E	
(see also: Grotte de Pempere, Pimpin cave)			
Pempéré mountains			
Crevettes cave, 15 km S Likasi		10° 58' 00" S 26° 47' 00" E	
Defrenne cave (see Mwanga cave)		10° 58' 00" S 26° 39' 00" E	
Defrenne grot (see Mwanga cave)		10° 58' 00" S 26° 39' 00" E	
Grotte de Defrenne (see Mwanga cave)		10° 58' 00" S 26° 39' 00" E	
Grotte de Kasowena (see Kasowena cave)		10° 58' 00" S 26° 39' 00" E	
Grotte de Mwanga (see Mwanga cave), 15 km S Likasi		10° 58' 00" S 26° 39' 00" E	
Jadotstad, 15 km S (see Mwanga cave)			
Jadotville, 15 km S (see Mwanga cave)			
Kasowena cave		10° 58' 00" S 26° 39' 00" E	
(see also: Grotte de Kasowena, Kasowena grot)			
Kasowena grot (see Kasowena cave)		10° 58' 00" S 26° 39' 00" E	
Likasi, 15 km S (see Mwanga cave)			
Mwanga cave, 15 km S Likasi		10° 58' 00" S 26° 39' 00" E	
(see also: Defrenne cave, Defrenne grot, Grotte de Defrenne, Grotte de Mwanga, Jadotstad, 15 km S, Jadotville, 15 km S, Likasi, 15 km S, Mwanga grot)			
Mwanga grot (see Mwanga cave), 15 km S Likasi		10° 58' 00" S 26° 39' 00" E	
Pierkat quarry (see Baya quarry)		11° 52' 00" S 27° 27' 00" E	1279 m
Pimpin cave (see Pempere cave), 15 km S Likasi		10° 58' 00" S 26° 47' 00" E	
Pweto territory		8° 28' 00" S 28° 54' 00" E	
Pweto		8° 28' 00" S 28° 54' 00" E	951 m
Sakania territory		12° 45' 00" S 28° 34' 00" E	
Kilubulushi (see Kitubulushi)		12° 44' 00" S 28° 56' 00" E	1257 m
Kitubulushi		12° 44' 00" S 28° 56' 00" E	1257 m
(see also: Kilubulushi)			
Sakania		12° 45' 00" S 28° 34' 00" E	1278 m
(see also: Sakania mission)			
Sakania mission (see Sakania)		12° 45' 00" S 28° 34' 00" E	1278 m
Salomoni Cave		10° 58' 48" S 27° 16' 48" E	
Shindaika		11° 39' 00" S 27° 41' 00" E	
St Gerard mission (see Kapolowe)		11° 02' 00" S 26° 57' 00" E	1135 m
St Therese mission (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
St. Theresa mission (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Tenke, 130 km N Likasi		10° 35' 00" S 26° 07' 00" E	1512 m
(see also: Likasi, 130 km N, Mwelampande, Mwela-Pande cave)			
Tshamalenge cave		11° 46' 00" S 26° 30' 00" E	
(see also: Grotte de Tshamalenge)			

Tshisangwe		11° 28' 00" S 27° 39' 00" E	
Vinamont Farm, near Elisabethville		11° 41' 00" S 27° 29' 00" E	
Haut Lomami province			
(see also: Upper Lomani province)			
Bukama		9° 12' 00" S 25° 51' 00" E	601 m
Bukama territory		9° 12' 00" S 25° 51' 00" E	
Lukobwe		9° 05' 36" S 27° 12' 47" E	
Upemba National Park		9° 00' 00" S 26° 45' 00" E	
Ganza		9° 14' 17" S 26° 41' 48" E	860 m
Grotte de Kasoma (see Kasoma cave)		9° 25' 00" S 26° 37' 00" E	
Grotte de Kiwakishi (see Kiamokoto)		9° 10' 00" S 27° 04' 00" E	900 m
Kabanga (see Kabenge)		9° 01' 13" S 26° 44' 55" E	788 m
Kabenge		9° 01' 13" S 26° 44' 55" E	788 m
(see also: Kabanga)			
Kasoma		9° 25' 00" S 26° 37' 00" E	
Kasoma cave		9° 25' 00" S 26° 37' 00" E	
(see also: Grotte de Kasoma, Kasoma grot)			
Kasoma grot (see Kasoma cave)		9° 25' 00" S 26° 37' 00" E	
Kateke [river], on Lualaba, Muovwe, or Lufira river		9° 04' 00" S 26° 43' 00" E	
(see also: Kateke)			
Katupila, on Lufira river		8° 50' 00" S 26° 44' 00" E	
Kiabo, 14 km upstream (see Sombe)		8° 50' 00" S 26° 02' 00" E	
Kiamokoto, on Lukima river		9° 10' 00" S 27° 04' 00" E	900 m
(see also: Grotte de Kiwakishi, Kiwakishi cave, Kiwakishi grot)			
Kibanga		8° 50' 00" S 26° 44' 00" E	1300 m
Kintobongo		8° 53' 56" S 26° 23' 25" E	608 m
(see also: Kintobongo-Bunge, Kitobongo, Kitombongo)			
Kintobongo-Bunge (see Kintobongo)		8° 53' 56" S 26° 23' 25" E	608 m
Kipangaribwe river, tributary of Lusinga river		8° 56' 00" S 27° 12' 00" E	
Kitobongo (see Kintobongo)		8° 53' 56" S 26° 23' 25" E	608 m
Kitombongo (see Kintobongo)		8° 53' 56" S 26° 23' 25" E	608 m
Kiwakishi cave (see Kiamokoto)		9° 10' 00" S 27° 04' 00" E	900 m
Kiwakishi grot (see Kiamokoto)		9° 10' 00" S 27° 04' 00" E	900 m
Lusinga		8° 56' 00" S 27° 12' 00" E	
Mbuye-Bala river, affluent of Muye river	ca.	9° 10' 00" S 27° 04' 00" E	
Mount Sombwe		9° 10' 12" S 26° 43' 12" E	
Pelenge, gorges		8° 40' 12" S 26° 49' 48" E	
Sombe, 14 km upstream of Kiabo		8° 50' 00" S 26° 02' 00" E	
(see also: Kiabo, 14 km upstream)			
Bukama, 40 mi [=64 km] below (see Katobwe), on Lualaba river		8° 54' 00" S 26° 04' 00" E	547 m
Kabengere		9° 08' 00" S 26° 16' 00" E	732 m
Kabongo		7° 19' 00" S 25° 35' 00" E	918 m
Kadia, Lake Kisale		8° 16' 00" S 26° 36' 00" E	556 m
Kamina territory		8° 44' 00" S 25° 00' 00" E	
Lovoi		8° 48' 00" S 24° 50' 00" E	1126 m
Kaniama territory		7° 31' 00" S 24° 11' 00" E	
Kamiama (see Kaniama)		7° 31' 00" S 24° 11' 00" E	887 m
Kaniama		7° 31' 00" S 24° 11' 00" E	887 m
(see also: Kamiama)			
Kaswabilenga		8° 48' 00" S 26° 41' 00" E	700 m
Katobwe, on Lualaba river, 40 mi [=64 km] below Bukama		8° 54' 00" S 26° 04' 00" E	610 m
(see also: Bukama, 40 mi [=64 km] below)			
Kikondja		8° 11' 00" S 26° 26' 00" E	607 m
(see also: Kikondji)			
Kikondji (see Kikondja)		8° 11' 00" S 26° 26' 00" E	607 m
Kilwezi		9° 06' 00" S 26° 46' 00" E	854 m
Kitundu Kinda		9° 30' 00" S 24° 55' 00" E	
Luena		9° 26' 11" S 25° 47' 18" E	
Mabwe		8° 39' 00" S 26° 31' 00" E	574 m
Mabwe river, East of Lake Upemba		8° 42' 00" S 26° 29' 00" E	590 m
Makulakulu (see Mukulakulu)		9° 33' 00" S 25° 47' 00" E	828 m
Mpopola cave		9° 56' 00" S 25° 58' 00" E	1450 m
(see also: Grotte de Mpopola, Mpopola grot)			
Muezi Lupungu, near Kinda		9° 25' 00" S 24° 55' 00" E	
Mukishi [station]		8° 29' 35" S 24° 43' 37" E	
Mukulakula (see Mukulakulu)		9° 33' 00" S 25° 47' 00" E	828 m
Mukulakulu		9° 33' 00" S 25° 47' 00" E	828 m
(see also: Makulakulu, Mukulakula)			
Munoi (see Munoi confluence)		8° 45' 00" S 26° 46' 00" E	
Munoi confluence		8° 45' 00" S 26° 46' 00" E	890 m
(see also: Munoi)			
Musenji (see Musindji)		7° 36' 00" S 24° 33' 00" E	894 m

Musindji		7° 36' 00" S 24° 33' 00" E	894 m
(see also: Musenji, Musingi)			
Musingi (see Musindji), 200 km from Kamina		7° 36' 00" S 24° 33' 00" E	894 m
Nionga, on Lake Upemba		8° 35' 00" S 26° 18' 00" E	
Tshapona (see Tshiapona)		7° 11' 00" S 24° 19' 00" E	826 m
Tshiapona		7° 11' 00" S 24° 19' 00" E	826 m
(see also: Tshapona)			
Vumbi		8° 38' 00" S 25° 58' 00" E	932 m
Haut Uele province			
(see also: Upper Uele province)			
Abimva		3° 09' 00" N 29° 46' 00" E	1100 m
Aka river		4° 30' 00" N 29° 40' 00" E	
Arebi		2° 51' 33" N 29° 40' 25" E	
Arebi Bondo Mabe		2° 47' 00" N 29° 35' 00" E	
Azande Game Reserve			
Embe		4° 40' 00" N 29° 31' 00" E	
Kakodo		4° 40' 00" N 29° 30' 00" E	
Keroma		4° 35' 00" N 29° 32' 00" E	
Kodoko river (see Kokodo river)		4° 38' 00" N 29° 30' 00" E	
Kokodo river		4° 38' 00" N 29° 30' 00" E	
(see also: Kodoko river)			
Kokodu		4° 35' 00" N 29° 32' 00" E	
Pidigala river		4° 35' 00" N 29° 32' 00" E	
Bagunda		4° 04' 00" N 29° 35' 00" E	990 m
Buluku		4° 33' 00" N 29° 49' 00" E	
Dika		4° 22' 00" N 27° 40' 00" E	689 m
Dramba		3° 40' 00" N 30° 19' 00" E	877 m
Durba, Geology house		3° 08' 18" N 29° 35' 01" E	
Faradje territory		3° 44' 00" N 29° 43' 00" E	
(see also: Faradje, zone)			
Ambarao (see Ambarau)		3° 10' 00" N 29° 44' 00" E	867 m
Ambarau		3° 10' 00" N 29° 44' 00" E	867 m
(see also: Ambarao)			
Faradje, on Dungu R., on Congo-Nile highway, 241 km N Irumu		3° 44' 00" N 29° 43' 00" E	775 m
(see also: Irumu, 241 km N)			
Irumu, 241 km N (see Faradje)		3° 44' 00" N 29° 43' 00" E	775 m
Faradje, zone (see Faradje territory)		3° 44' 00" N 29° 43' 00" E	
Gamangui		2° 10' 00" N 27° 15' 00" E	600 m
Gangala (see Gangala-na-Bodio)		3° 41' 00" N 29° 08' 00" E	701 m
Gangala na Bodio (see Gangala-na-Bodio)		3° 41' 00" N 29° 08' 00" E	701 m
Gangala-na-Bodio		3° 41' 00" N 29° 08' 00" E	701 m
(see also: Gangala, Gangala na Bodio, Gangara, Gangara na Bodio)			
Gangara (see Gangala-na-Bodio)		3° 41' 00" N 29° 08' 00" E	701 m
Gangara na Bodio (see Gangala-na-Bodio)		3° 41' 00" N 29° 08' 00" E	701 m
Garamba National Park		4° 10' 00" N 29° 30' 00" E	
(see also: Parc National de Garamba)			
Aba		3° 52' 00" N 30° 14' 00" E	890 m
Aka		4° 35' 00" N 29° 42' 00" E	
Aka-Inimvua confluence		4° 35' 00" N 29° 42' 00" E	
Bagbele		4° 21' 00" N 29° 17' 00" E	742 m
(see also: Cel I, Cellule I)			
Bagbele Moko		4° 21' 00" N 29° 17' 00" E	742 m
Bagisana		4° 35' 00" N 29° 32' 00" E	
Bamangwa (see Bamungwa [river])		4° 21' 00" N 29° 27' 00" E	
Bamongwa (see Bamungwa [river])		4° 21' 00" N 29° 27' 00" E	
Bamungwa [river]		4° 21' 00" N 29° 27' 00" E	
(see also: Bamangwa, Bamongwa)			
Biadimbi		4° 13' 00" N 29° 21' 00" E	
Buluku river		4° 33' 00" N 29° 49' 00" E	
Cel I (see Bagbele)		4° 21' 00" N 29° 17' 00" E	742 m
Cel II	ca.	3° 55' 00" N 29° 22' 00" E	
(see also: Cellule II)			
Cellule I (see Bagbele)		4° 21' 00" N 29° 17' 00" E	742 m
Cellule II (see Cel II)		3° 55' 00" N 29° 25' 00" E	
Congo-Nil-Aka		4° 34' 00" N 29° 45' 00" E	
Dambi (see Ibambi)		2° 22' 00" N 27° 37' 00" E	687 m
Dedegwa river		4° 35' 00" N 29° 43' 00" E	
Dungu		3° 37' 00" N 28° 34' 00" E	669 m
Ibambi		2° 22' 00" N 27° 37' 00" E	687 m
(see also: Dambi, Idambi)			
Idambi (see Ibambi)		2° 22' 00" N 27° 37' 00" E	687 m
Inimvua		4° 35' 00" N 29° 43' 00" E	1061 m
Iso		4° 18' 00" N 29° 56' 00" E	
(see also: Iso.4, Isoberlinia)			

Iso.4 (see Iso)		4° 18' 00" N 29° 56' 00" E	
Isoberlinia (see Iso)		4° 18' 00" N 29° 56' 00" E	
Mabanga		4° 22' 00" N 29° 47' 00" E	
Makpe		4° 20' 00" N 29° 34' 00" E	
(see also: Makpe river, upper)			
Makpe river, upper (see Makpe)		4° 20' 00" N 29° 34' 00" E	
Malili		4° 13' 00" N 29° 32' 00" E	
Marari		4° 20' 00" N 29° 40' 00" E	
Meridi river		4° 40' 00" N 29° 33' 00" E	
Morubia		4° 11' 00" N 29° 29' 00" E	
Mpaza		4° 14' 00" N 29° 37' 00" E	878 m
Nadegbe river		4° 29' 22" N 29° 38' 44" E	
Nagbarama		4° 17' 00" N 29° 32' 00" E	
Nakpanga		4° 36' 00" N 29° 34' 00" E	
Nampume		4° 21' 00" N 29° 49' 00" E	
(see also: Nampune)			
Nampune (see Nampume)		4° 21' 00" N 29° 49' 00" E	
Ndelele		4° 22' 00" N 29° 47' 00" E	900 m
PFNK		4° 02' 00" N 29° 05' 00" E	
PFNK 15 and 17		4° 25' 00" N 29° 47' 00" E	
PFNK.15		4° 25' 00" N 29° 47' 00" E	
(see also: Piste Frontière Nord, km 15)			
PFNK.16		4° 25' 00" N 29° 47' 00" E	
(see also: Piste Frontière Nord, km 16)			
PFSK 17 and 20		4° 18' 00" N 29° 55' 00" E	
PFSK 8		4° 20' 00" N 29° 51' 00" E	
PFSK.17		4° 18' 00" N 29° 55' 00" E	
(see also: Piste Frontière Sud, km 17)			
PFSK.20		4° 18' 00" N 29° 55' 00" E	
(see also: Piste Frontière Sud, km 20)			
PFSK.8		4° 20' 00" N 29° 51' 00" E	
(see also: Piste Frontière Sud, km 8)			
Pidigala Nord river		4° 37' 00" N 29° 42' 00" E	
Piste Frontière Nord, km 15 (see PFNK.15)		4° 25' 00" N 29° 47' 00" E	
Piste Frontière Nord, km 16 (see PFNK.16)		4° 25' 00" N 29° 47' 00" E	
Piste Frontière Sud, km 17 (see PFSK.17)		4° 18' 00" N 29° 55' 00" E	
Piste Frontière Sud, km 20 (see PFSK.20)		4° 18' 00" N 29° 55' 00" E	
Piste Frontière Sud, km 8 (see PFSK.8)		4° 20' 00" N 29° 51' 00" E	
PPK.51		4° 06' 00" N 29° 25' 00" E	
PPK.78		4° 19' 00" N 29° 35' 00" E	
Soudan river		4° 35' 00" N 29° 35' 00" E	
Taere river		4° 33' 00" N 29° 47' 00" E	
(see also: Tayele (river))			
Tayele (river) (see Taere river)		4° 33' 00" N 29° 47' 00" E	
Tore		4° 20' 00" N 29° 50' 00" E	
(see also: Tori)			
Tori (see Tore)		4° 20' 00" N 29° 50' 00" E	
Uduku		4° 32' 00" N 29° 33' 00" E	950 m
(see also: Uduku Moke)			
Uduku Moke (see Uduku)		4° 32' 00" N 29° 33' 00" E	950 m
Wilibadi river		3° 55' 00" N 29° 08' 00" E	
Gayu [river] (see Ngayu [river]), near Avakubi		1° 35' 00" N 27° 13' 00" E	
Goroumbwa Mine		3° 06' 46" N 29° 34' 14" E	
Isirio (see Isiro)		2° 46' 00" N 27° 37' 00" E	730 m
Isiro		2° 46' 00" N 27° 37' 00" E	730 m
(see also: Isirio, Paulis)			
Kalikimvua		4° 15' 00" N 29° 45' 00" E	
Kasenye		1° 24' 00" N 30° 26' 00" E	671 m
(see also: Kasenyi, Keseny, Kisenyi)			
Kasenyi (see Kasenye)		1° 24' 00" N 30° 26' 00" E	671 m
Kassi river		4° 15' 00" N 29° 35' 00" E	
Keseny (see Kasenye)		1° 24' 00" N 30° 26' 00" E	671 m
Kisenyi (see Kasenye)		1° 24' 00" N 30° 26' 00" E	671 m
Kodja hill		3° 09' 00" N 29° 29' 00" E	
Lufa River		4° 01' 33" N 29° 46' 03" E	
Mabereni river		3° 05' 00" N 29° 22' 00" E	
Maleli		4° 20' 00" N 29° 37' 00" E	
Mauda		4° 05' 00" N 27° 41' 00" E	
Mayumbe		2° 30' 00" N 27° 37' 00" E	678 m
Mayumbe, near	ca.	2° 30' 00" N 27° 37' 00" E	
Medja (see Medje)		2° 25' 00" N 27° 18' 00" E	617 m
Medje		2° 25' 00" N 27° 18' 00" E	617 m
(see also: Medja)			
Medje, about 30 mi [=48 km] ENE (see Pawa)		2° 31' 00" N 27° 04' 00" E	
Mogbwamu river		4° 35' 00" N 29° 44' 00" E	
Moka river (see Moko river)		4° 09' 00" N 29° 43' 00" E	

Moko river		4° 09' 00" N 29° 43' 00" E	
(see also: Moka river)			
Nagera (see Nagero)		3° 45' 00" N 29° 31' 00" E	753 m
Nagero		3° 45' 00" N 29° 31' 00" E	753 m
(see also: Nagera)			
Nakpanga river		4° 39' 00" N 29° 32' 00" E	
Nambiliki / Dungu		3° 40' 00" N 29° 10' 00" E	
Ngayu [river], near Avakubi		1° 35' 00" N 27° 13' 00" E	
(see also: Gayu [river])			
N'Gayu area	ca.	1° 35' 00" N 27° 13' 00" E	
Niam-Niam		5° 03' 00" N 27° 07' 00" E	
Niangara		3° 42' 00" N 27° 52' 00" E	644 m
Niangara zone	ca.	3° 42' 00" N 27° 52' 00" E	
N'soro		3° 15' 00" N 29° 25' 00" E	
Nzoro		3° 20' 00" N 29° 30' 00" E	791 m
(see also: Vankerckhovenstad, Vankerckhovenville)			
Parc National de Garamba (see Garamba National Park)		4° 10' 00" N 29° 30' 00" E	
Paulis (see Isiro)		2° 46' 00" N 27° 37' 00" E	730 m
Pawa, about 30 mi ENE Medje		2° 31' 36" N 27° 42' 10" E	696 m
(see also: Medje, about 30 mi [=48 km] ENE)			
Penge		2° 48' 00" N 27° 55' 00" E	828 m
PPK 51 and 56		4° 06' 00" N 29° 25' 00" E	
PPK 72		4° 14' 00" N 29° 31' 00" E	
PPK.10		3° 46' 00" N 29° 29' 00" E	
Rungu		3° 11' 00" N 27° 52' 00" E	704 m
Rungu zone	ca.	3° 11' 00" N 27° 52' 00" E	
Tingasi		3° 24' 00" N 27° 55' 00" E	
Utukuru		4° 18' 00" N 29° 56' 00" E	
Vankerckhovenstad (see Nzoro)		3° 20' 00" N 29° 30' 00" E	791 m
Vankerckhovenville (see Nzoro)		3° 20' 00" N 29° 30' 00" E	791 m
Wamba territory			
Bafuaboka (see Bafwabaka)		2° 07' 00" N 27° 40' 00" E	631 m
Bafwabaka		2° 07' 00" N 27° 40' 00" E	631 m
(see also: Bafuaboka, Bafwaboka)			
Bafwaboka (see Bafwabaka)		2° 07' 00" N 27° 40' 00" E	631 m
Yakubuku (see Yakuluku)		4° 20' 00" N 28° 48' 00" E	697 m
Yakuluku		4° 20' 00" N 28° 48' 00" E	697 m
(see also: Yakubuku)			
Haute Congo			
Haute Zaire			
How…, Eastern Zaire			
Iringi			
Irumu		1° 27' 00" N 29° 52' 00" E	841 m
Ituri province			
Alambi		2° 07' 00" N 28° 49' 00" E	913 m
Albert meer (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Albert Nyanza (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Albert, lac (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Albert, lake, border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
(see also: Albert meer, Albert Nyanza, Albert, lac, Bantu Lueru, Bentu Lueru, Lac Albert, Lake Albert, Lake Mobutu Sese Seko, Luta Nzige, Mobutu Sese Seko, lake, Muite Nzige, Mwittanzige)			
Babeke, on Isai river		1° 24' 00" N 28° 04' 00" E	608 m
Bambu (see Kilomines)		1° 48' 00" N 30° 14' 00" E	1466 m
Bantu Lueru (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Bentu Lueru (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Blukwa, West bank Lake Albert		1° 45' 00" N 30° 36' 00" E	2001 m
Blukwa, 10 km E (see Wago, mount)		1° 45' 00" N 30° 40' 00" E	2240 m
Boga		1° 03' 00" N 29° 56' 00" E	1562 m
(see also: Mboga)			
Bunia		1° 34' 00" N 30° 15' 00" E	1332 m
(see also: Ngioni)			
Nyankunde		1° 34' 00" N 30° 15' 00" E	
Camp Putnam		1° 24' 00" N 28° 35' 00" E	675 m
(see also: Putnam, camp)			
Catchpole's Farm, Irumu-Bunia road	ca.	1° 28' 04" N 30° 03' 36" E	1280 m
Djugu territory		1° 55' 00" N 30° 30' 00" E	
Djugu territory		1° 55' 00" N 30° 30' 00" E	
Djugu bos (see Djugu forest)		1° 55' 00" N 30° 30' 00" E	1530 m

Djugu forest		1° 55' 00" N 30° 30' 00" E	1530 m
(see also: Djugu bos, Djugu, forêt de, Forêt de Djugu)			
Djugu, forêt de (see Djugu forest)		1° 55' 00" N 30° 30' 00" E	1530 m
Forêt de Djugu (see Djugu forest)		1° 55' 00" N 30° 30' 00" E	1530 m
Misu		1° 45' 00" N 30° 18' 00" E	
Drodo (see Drodro)		1° 46' 00" N 30° 32' 00" E	1854 m
Drodro, near Saliboko		1° 46' 00" N 30° 32' 00" E	1854 m
(see also: Drodo)			
Etembo		0° 55' 00" N 28° 39' 00" E	832 m
Fataki		2° 00' 00" N 30° 34' 00" E	1611 m
Fataki area		2° 01' 00" N 30° 38' 00" E	ca. 1750 m
Fundi		2° 06' 00" N 30° 46' 00" E	1942 m
Grotte de Saga Saga (see Saga Saga cave)		1° 19' 00" N 29° 52' 00" E	1160 m
Homa, mont (see Hoyo, mount)		1° 13' 00" N 29° 49' 00" E	1200 m
Homa, Mount		1° 13' 00" N 29° 49' 00" E	
(see also: Mount Homa)			
Hoyo, mount		1° 13' 00" N 29° 49' 00" E	1200 m
(see also: Homa, mont, Mont Hoyo, Mount Homa, Mount Hoyo)			
Irumu		1° 27' 00" N 29° 52' 00" E	
Irumu, 20 mi [=32 km] S (see Mount Hoyo caves), 20 mi S Irumu		1° 13' 00" N 29° 49' 00" E	1200 m
Irumu, 25 km W (see Ituri Forest)		1° 23' 00" N 28° 38' 00" E	
Irumu, 40 mi [=64 km] SW (see Ituri Forest), East of the Ituri River and west of the Irumu-Beni road		1° 00' 00" N 29° 16' 00" E	
Irumu, 40 mi SW, Ituri River			
Irumu, 50 mi SW, Ituri Forest		1° 00' 00" N 29° 16' 00" E	
Isai River, Babeke, near		1° 24' 00" N 28° 04' 00" E	
Issehe river		1° 05' 00" N 29° 49' 00" E	1200 m
Ituri Forest, 50 mi SW Irumu		1° 23' 00" N 29° 38' 00" E	
(see also: Irumu, 25 km W)			
Ituri Forest, 40 mi SW Irumu		1° 00' 00" N 29° 16' 00" E	
(see also: Irumu, 40 mi [=64 km] SW, Sturi Forest)			
Ituri ht			
Ituri River	ca.	1° 20' 00" N 27° 35' 00" E	
Ituri River, Bridge		1° 20' 00" N 27° 35' 00" E	
Ituri, south		1° 00' 00" N 29° 16' 00" E	
Jiba		1° 52' 00" N 30° 42' 00" E	2123 m
Jiba Risasi		1° 52' 00" N 30° 42' 00" E	1800 m
(see also: Jiba Trisasi)			
Jiba Trisasi (see Jiba Risasi)		1° 52' 00" N 30° 42' 00" E	1800 m
Jolohafiri (see Yolokafiri)		1° 20' 00" N 29° 50' 00" E	1030 m
Kabatibi cave (see Mount Hoyo caves)	ca.	1° 13' 00" N 29° 49' 00" E	1200 m
Karekere (see Kerekere)		2° 42' 00" N 30° 33' 00" E	1158 m
Kasenye, 10 km N, near Lake Albert	ca.	1° 25' 00" N 30° 25' 00" E	
Kawa (forest)		1° 34' 00" N 30° 32' 00" E	753 m
Kere Kere (see Kerekere)		2° 42' 00" N 30° 33' 00" E	1158 m
Kerekere		2° 42' 00" N 30° 33' 00" E	1158 m
(see also: Karekere, Kere Kere)			
Kilo mines (see Kilomines)		1° 48' 00" N 30° 14' 00" E	1466 m
Kilomines		1° 48' 00" N 30° 14' 00" E	1466 m
(see also: Bambu, Kilo mines, Mines de Kilo)			
Komanda		1° 23' 00" N 29° 46' 00" E	928 m
(see also: Komande)			
Komande (see Komanda)		1° 23' 00" N 29° 46' 00" E	928 m
Korovi, mount		1° 39' 00" N 30° 36' 00" E	2010 m
(see also: Mount Korovi)			
Lac Albert (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Lake Albert (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Lake Mobutu Sese Seko (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Lamya Valley		0° 50' 14" N 29° 59' 15" E	
(see also: Lanuga valley)			
Lanuga valley (see Lamya Valley)		0° 50' 14" N 29° 59' 16" E	
Luta Nzige (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Mahagi territory		2° 18' 00" N 30° 59' 00" E	
Mahagi		2° 18' 00" N 30° 59' 00" E	1671 m
(see also: Mahaji)			
Mahagi Port, Lake Albert		2° 09' 00" N 31° 14' 00" E	679 m
(see also: Mahaji Port)			
Mahaji (see Mahagi)		2° 18' 00" N 30° 59' 00" E	1671 m
Mahaji Port (see Mahagi Port), Lake Albert		2° 09' 00" N 31° 14' 00" E	679 m
Niarembe		2° 15' 00" N 31° 07' 00" E	1382 m
(see also: Niarombe)			

Niarombe (see Niarembe)		2° 15' 00" N 31° 07' 00" E	1382 m
Ogondjo		2° 10' 59" N 30° 55' 59" E	1700 m
Mambasa territory		1° 21' 00" N 29° 03' 00" E	
Epulu		1° 23' 45" N 28° 34' 40" E	750 m
Epulu, 13 km E	ca.	1° 24' 00" N 28° 35' 00" E	750 m
Epulu, 2 km W, Epulu river, right bank	ca.	1° 23' 45" N 28° 34' 40" E	750 m
Epulu, 6 km S, 2 km W	ca.	1° 23' 45" N 28° 34' 40" E	750 m
Mandima	ca.	1° 21' 00" N 29° 03' 00" E	
Marumbi		1° 10' 00" N 29° 30' 00" E	1360 m
Matata cave		0° 58' 30" N 29° 40' 00" E	1160 m
Mawambi		1° 04' 00" N 28° 34' 00" E	653 m
Mboga (see Boga)		1° 03' 00" N 29° 56' 00" E	1562 m
Mines de Kilo (see Kilomines)		1° 48' 00" N 30° 14' 00" E	1466 m
Mobutu Sese Seko, lake (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Mongbwala (see Mongbwalu)		1° 57' 00" N 30° 02' 00" E	1374 m
Mongbwalu (see also: Mongbwala)		1° 57' 00" N 30° 02' 00" E	1374 m
Mont Hoyo (see Hoyo, mount)		1° 13' 00" N 29° 49' 00" E	1200 m
Mont Hoyo cave (see Mount Hoyo caves), 20 mi S Irumu		1° 13' 00" N 29° 49' 00" E	1200 m
Mont Hoyo, grottes (see Mount Hoyo caves), 20 mi S Irumu		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Homa (see Homa, Mount)		1° 13' 00" N 29° 49' 00" E	
Mount Homa (see Hoyo, mount)		1° 13' 00" N 29° 49' 00" E	1200 m
Grotte de Matupi (see Matupi cave)		1° 16' 12" N 29° 54' 36" E	3500 ft
Grotte de Yolohotiri (see Yolohotiri cave)		1° 13' 00" N 29° 49' 00" E	
Matupi cave (see also: Grotte de Matupi, Matupi grot)		1° 16' 12" N 29° 54' 36" E	3500 ft
Matupi grot (see Matupi cave)		1° 16' 12" N 29° 54' 36" E	3500 ft
Yolohotiri cave (see also: Grotte de Yolohotiri, Yolohotiri grot)		1° 13' 00" N 29° 49' 00" E	
Yolohotiri grot (see Yolohotiri cave)		1° 13' 00" N 29° 49' 00" E	
Mount Hoyo (see Hoyo, mount)		1° 13' 00" N 29° 49' 00" E	1200 m
Talatala		1° 15' 00" N 29° 50' 00" E	1170 m
Mount Hoyo caverns (see Mount Hoyo caves), 20 mi S Irumu		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Hoyo caves, 20 mi S Irumu (see also: Irumu, 20 mi [=32 km] S, Kabatibi cave, Mont Hoyo cave, Mont Hoyo, grottes, Mount Hoyo caverns)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Korovi (see Korovi, mount)		1° 39' 00" N 30° 36' 00" E	2010 m
Mount Ne (see Né, mount), Blukwa		1° 42' 00" N 30° 39' 00" E	
Mount Wago (see Wago, mount)		1° 45' 00" N 30° 40' 00" E	2240 m
Muite Nzige (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Mwittanzige (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Né, mount, Blukwa (see also: Mount Ne)		1° 42' 00" N 30° 39' 00" E	
Ngeze Kidoko		1° 16' 00" N 30° 25' 00" E	650 m
Ngioni (see Bunia)		1° 34' 00" N 30° 15' 00" E	1332 m
Nioka		2° 10' 00" N 30° 39' 00" E	1793 m
Pahoni (see Paoni)		1° 58' 30" N 28° 52' 30" E	913 m
Paoni, N'Duye (see also: Pahoni)		1° 58' 30" N 28° 52' 30" E	913 m
Putnam, camp (see Camp Putnam)		1° 24' 00" N 28° 35' 00" E	675 m
Rethy (see also: Reti, Retshi, Retsi, Rety)		2° 05' 11" N 30° 53' 46" E	2116 m
Reti (see Rethy)		2° 05' 11" N 30° 53' 46" E	2116 m
Retshi (see Rethy)		2° 05' 11" N 30° 53' 46" E	2116 m
Retsi (see Rethy)		2° 05' 11" N 30° 53' 46" E	2116 m
Rety (see Rethy)		2° 05' 11" N 30° 53' 46" E	2116 m
Rumoka		1° 34' 00" N 29° 07' 00" E	
Sabe		1° 23' 00" N 30° 26' 00" E	700 m
Saga Saga cave (see also: Grotte de Saga Saga, Saga Saga grot)		1° 19' 00" N 29° 52' 00" E	1160 m
Saga Saga grot (see Saga Saga cave)		1° 19' 00" N 29° 52' 00" E	1160 m
Saliboko, on lake Albert		1° 42' 00" N 30° 29' 00" E	1874 m
Samboko river		1° 00' 00" N 29° 22' 00" E	850 m
Sinda river		1° 02' 00" N 30° 04' 00" E	830 m
Sturi Forest (see Ituri Forest)		1° 00' 00" N 29° 16' 00" E	
Teturi		1° 04' 00" N 29° 08' 00" E	766 m
Tsebahu (see also: Tshebahu)		1° 13' 00" N 29° 49' 00" E	
Tshebahu (see Tsebahu)		1° 13' 00" N 29° 49' 00" E	
Tshebahu river, near Mount Hoyo		1° 19' 00" N 29° 52' 00" E	1200 m
Ukaika		0° 45' 00" N 28° 45' 00" E	900 m

Wago, mount, 10 km E Blukwa		1° 45' 00" N 30° 40' 00" E	2240 m
(see also: Blukwa, 10 km E, Mount Wago, Wasa Wago, mount)			
Wasa (see Wasa Wago forest)		1° 44' 00" N 30° 39' 00" E	1386 m
Wasa Wago forest, between Blukwa and Lake Albert		1° 44' 00" N 30° 39' 00" E	1386 m
(see also: Wasa)			
Wasa Wago, mount (see Wago, mount)		1° 45' 00" N 30° 40' 00" E	2240 m
Yolokafiri, near Mount Hoyo		1° 20' 00" N 29° 50' 00" E	1030 m
(see also: Jolohafiri)			
Zega (see Zeya)		1° 45' 00" N 30° 44' 00" E	650 m
Zeya		1° 45' 00" N 30° 44' 00" E	650 m
(see also: Zega)			
Jaima			
Kabinda (former) district (see Lomami province)			
Kahitumba (Mutaka)			
Kahuzi			
Kalanda			
Kasai	ca.	6° 00' 00" S 22° 00' 00" E	
Kasai Central province			
(see also: Lulua province)			
Cinputu		5° 22' 00" S 22° 21' 00" E	
(see also: Tschinputu)			
Demba territory		5° 30' 00" S 22° 16' 00" E	
Mudina (see Ndemba)		5° 30' 00" S 22° 16' 00" E	
Mudina Ndemba (see Ndemba)		5° 30' 00" S 22° 16' 00" E	
Ndemba		5° 30' 00" S 22° 16' 00" E	
(see also: Mudina, Mudina Ndemba)			
Dembelenge territory			
Dembelenge (see Dimbelenge)		5° 33' 00" S 23° 07' 00" E	682 m
Dimbelenge		5° 33' 00" S 23° 07' 00" E	682 m
(see also: Dembelenge)			
Fwa meer (see Fwa, lake)		5° 43' 00" S 23° 25' 00" E	
Fwa, lake		5° 43' 00" S 23° 25' 00" E	
(see also: Fwa meer, Lac Fwa, Lake Fwa)			
Kabwe, 50 km SW Kananga		6° 12' 00" S 22° 23' 00" E	610 m
(see also: Kananga, 50 km SW, Luluaburg, 50 km SW)			
Kamponde		6° 42' 00" S 22° 56' 00" E	829 m
Kananga		5° 53' 45" S 22° 25' 04" E	608 m
(see also: Lulua, Luluabourg, Luluaburg, Mission St Joseph)			
Kananga, 50 km SW (see Kabwe)		6° 12' 00" S 22° 23' 00" E	610 m
Kasende		5° 56' 56" S 22° 32' 18" E	619 m
Kasonga-Banze		5° 36' 00" S 23° 24' 00" E	532 m
(see also: Kasongo Baza, Kasongo-Banze)			
Kasongo Baza (see Kasonga-Banze)		5° 36' 00" S 23° 24' 00" E	532 m
Kasongo-Banze (see Kasonga-Banze)		5° 36' 00" S 23° 24' 00" E	532 m
Lac Fwa (see Fwa, lake)		5° 43' 00" S 23° 25' 00" E	
Lake Fwa (see Fwa, lake)		5° 43' 00" S 23° 25' 00" E	
Lubondaie-Tshimbulu		6° 34' 00" S 22° 39' 00" E	794 m
(see also: Lubondai-Tshimbulu)			
Lubondai-Tshimbulu (see Lubondaie-Tshimbulu)		6° 34' 00" S 22° 39' 00" E	794 m
Luisa (see Luiza territory)		7° 12' 00" S 22° 25' 00" E	
Luiza territory		7° 12' 00" S 22° 25' 00" E	
(see also: Luisa)			
Lula	ca.	7° 25' 00" S 22° 33' 00" E	
Lukonga		5° 48' 00" S 22° 37' 00" E	632 m
Lulua (see Kananga)		5° 53' 45" S 22° 25' 04" E	608 m
Luluabourg (see Kananga)		5° 53' 45" S 22° 25' 04" E	608 m
Luluabourg, gorge	ca.	5° 53' 00" S 22° 26' 00" E	
Luluaburg (see Kananga)		5° 53' 45" S 22° 25' 04" E	608 m
Luluaburg, 50 km SW (see Kabwe)		6° 12' 00" S 22° 23' 00" E	610 m
Malandje (see Malandji)		5° 56' 22" S 22° 17' 57" E	608 m
Malandji		5° 56' 22" S 22° 17' 57" E	608 m
(see also: Malandje, Malanji)			
Malanji (see Malandji)		5° 56' 22" S 22° 17' 57" E	608 m
Matamba		5° 56' 57" S 22° 15' 56" E	619 m
Mbawu		5° 54' 00" S 22° 25' 00" E	
Mikalaie (mission) (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
Mikalaya		6° 01' 00" S 22° 19' 00" E	608 m
(see also: Mikalaie (mission), Mikalaya missie, Mikalaya mission, Mission de Mikalaya, Saint Joseph de Luluabourg (mission), Saint-Joseph (misson), St Joseph mission, St. Jos. (misson), St. Joseph de Luluabourg mission)			
Mikalaya missie (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m

Mikalaya mission (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
Mission de Mikalaya (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	
Mission St Joseph (see Kananga)		5° 53' 45" S 22° 25' 04" E	608 m
Nganza river, near Luluabourg	ca.	5° 57' 01" S 22° 21' 40" E	
Nshamba, near Kanaga, ? Mueka territory		5° 53' 00" S 22° 26' 00" E	
Saint Joseph de Luluabourg (mission) (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
Saint-Joseph (misson) (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
St Joseph mission (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
St. Jos. (misson) (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
St. Joseph de Luluabourg mission (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
Tschinputu (see Cinputu)		5° 22' 00" S 22° 21' 00" E	
Tshibaka (see Tshibaka-Kaji)		7° 43' 00" S 23° 12' 00" E	882 m
Tshibaka-Kaji		7° 43' 00" S 23° 12' 00" E	882 m
(see also: Tshibaka)			
Tshibasha, near Kananga		5° 50' 00" S 22° 25' 00" E	
Tshibashi (river)		5° 45' 00" S 22° 08' 00" E	
(see also: Tshibashie (river))			
Tshibashie (river) (see Tshibashi (river))		5° 45' 00" S 22° 08' 00" E	
Tshibungu		5° 37' 34" S 22° 15' 57" E	608 m
Tshimputu		5° 48' 00" S 22° 19' 00" E	
Kasai Occidental (former) province, see Kasai or Lulua provinces			
(see also: West Kasai (former) province)			
Kabive, 50 km SW			
Kasai Oriental (former) province, see Sankuru, Lomani or Kasai Oriental provinces			
(see also: East Kasai (former) province)			
Kasai Oriental province			
(see also: East Kasai province, Tshilinge (former) district)			
Bakwanga (see Mbuji-Mayi)		6° 09' 00" S 23° 36' 00" E	549 m
Bena-Kaniki (see Kaniki Kapangu)		6° 45' 00" S 23° 31' 00" E	805 m
Kabinda territory		6° 08' 00" S 24° 29' 00" E	
Kabinda		6° 08' 00" S 24° 29' 00" E	842 m
Kabinda, 129 km NNW (see Kaseu)		5° 11' 00" S 23° 51' 00" E	
Kalenda		7° 07' 47" S 23° 32' 11" E	821 m
Kalondji (see Kalongi)		6° 14' 00" S 23° 23' 00" E	799 m
Kalongi		6° 14' 00" S 23° 23' 00" E	799 m
(see also: Kalondji, Kalonji)			
Kalonji (see Kalongi)		6° 14' 00" S 23° 23' 00" E	799 m
Kaniki (see Kaniki Kapangu)		6° 45' 00" S 23° 31' 00" E	805 m
Kaniki Kapangu		6° 45' 00" S 23° 31' 00" E	805 m
(see also: Bena-Kaniki, Kaniki, Mutembu Kaniki Kapangu)			
Kaseu, Pania Mutumbo, on right bank of Sankuru River, 129 km NNW Kabinda		5° 11' 00" S 23° 51' 00" E	
(see also: Kabinda, 129 km NNW)			
Mbuji-Mayi		6° 09' 00" S 23° 36' 00" E	549 m
(see also: Bakwanga, Mbuy Mayi)			
Mbuji-Mayi, 32 km SE	ca.	6° 09' 00" S 23° 36' 00" E	
Mbuy Mayi (see Mbuji-Mayi)		6° 09' 00" S 23° 36' 00" E	549 m
Mutembu Kaniki Kapangu (see Kaniki Kapangu)		6° 45' 00" S 23° 31' 00" E	805 m
Kasai province			
Ba Balaye		5° 50' 00" S 22° 30' 00" E	
Bakwakenge (see Bakwa-Kenge)		4° 51' 00" S 22° 04' 00" E	461 m
Bakwa-Kenge		4° 51' 00" S 22° 04' 00" E	461 m
(see also: Bakwakenge)			
Basongo		4° 20' 00" S 20° 24' 00" E	329 m
Bena Longo (see Bene Longo)		4° 52' 00" S 21° 40' 00" E	
Bena Tshadi		4° 40' 00" S 22° 49' 00" E	615 m
(see also: Bena Tshandi, Bena Tshiadi)			
Bena Tshandi (see Bena Tshadi)		4° 40' 00" S 22° 49' 00" E	615 m
Bena Tshiadi (see Bena Tshadi)		4° 40' 00" S 22° 49' 00" E	615 m
Bene Longo		4° 52' 00" S 21° 40' 00" E	
(see also: Bena Longo)			
Beyi - Kalonji		5° 49' 00" S 22° 30' 00" E	
Biakabomba		6° 27' 00" S 21° 02' 00" E	608 m
Gombe (see Ngombe)		6° 35' 00" S 20° 42' 00" E	528 m
Kabambaie [river]		5° 44' 00" S 20° 49' 00" E	
Katabayi		6° 11' 00" S 21° 20' 00" E	
Kataye Sukunga			
Katende chute (see Katende falls), 30 km Luluabourg [=Kananga]		5° 46' 00" S 21° 40' 00" E	647 m
Katende falls, 30 km Luluabourg [=Kananga]		5° 46' 00" S 21° 40' 00" E	647 m
(see also: Katende chute, Katende waterval)			

Katende waterval (see Katende falls), 30 km Luluabourg [=Kananga]		5° 46' 00" S 21° 40' 00" E	647 m
Kinda		4° 47' 00" S 21° 48' 00" E	470 m
Kitangua		6° 17' 00" S 20° 20' 00" E	649 m
Luebo territory		5° 36' 00" S 21° 25' 00" E	
Luebo		5° 21' 00" S 21° 25' 00" E	478 m
Macaco		5° 28' 00" S 21° 10' 00" E	
Mweka territory		4° 51' 00" S 21° 34' 00" E	
Mueka (see Mweka)		4° 51' 00" S 21° 34' 00" E	466 m
Mweka (see also: Mueka, Mweka Kasai)		4° 51' 00" S 21° 34' 00" E	466 m
Mweka Kasai (see Mweka)		4° 51' 00" S 21° 34' 00" E	466 m
Ngombe (see also: Gombe, N'gombe)		6° 35' 00" S 20° 42' 00" E	528 m
N'gombe (see Ngombe)		6° 35' 00" S 20° 42' 00" E	528 m
Tshikapa territory		6° 25' 00" S 20° 48' 00" E	
Chikapa (see Tshikapa)		6° 25' 00" S 20° 48' 00" E	485 m
Tshikapa (see also: Chikapa)		6° 25' 00" S 20° 48' 00" E	485 m
Kasai, eastern	ca.	6° 00' 00" S 22° 00' 00" E	
Kaswabilenga			
Katanga (former) province, see Tanganika, Haut Katanga, Kolwezi, Haut Lomani or Lualaba provinces (see also: Shaba (former) province)			
Katanga	ca.	10° 00' 00" S 27° 30' 00" E	
Katanga, near			
Katanga s		10° 00' 00" S 27° 30' 00" E	
Lusano and KKK zone			
Kikole-Pecheur			
Kilomamensa			
Kilubwezi			
Kinshasa City province			
Bengale		4° 08' 00" S 16° 40' 00" E	
Kalina		4° 22' 00" S 15° 17' 00" E	128 m
Kimpoko (see Kimpoko-Nsele)		4° 14' 04" S 15° 33' 01" E	294 m
Kimpoko-Nsele (see also: Kimpoko, Nsele)		4° 14' 04" S 15° 33' 01" E	294 m
Kingabwa		4° 18' 00" S 15° 18' 00" E	
Kinshasa (see also: Leopoldstad, Leopoldville, Léopoldville, Lovanium university)		4° 19' 47" S 15° 18' 54" E	240 m
Kinshasa, 10 km W (see also: TASOK (The American School of Kinshasa))	ca.	4° 20' 00" S 15° 15' 00" E	
Kinshasa, near Leopoldville (see also: Léo-Est)		4° 18' 00" S 15° 18' 00" E	177 m
Lemba plain (see also: Lemba vlakte)		4° 18' 00" S 15° 18' 00" E	
Lemba vlakte (see Lemba plain)		4° 18' 00" S 15° 18' 00" E	
Léo-Est (see Kinshasa, near Leopoldville)		4° 18' 00" S 15° 18' 00" E	177 m
Leopoldstad (see Kinshasa)		4° 19' 47" S 15° 18' 54" E	240 m
Leopoldville (see Kinshasa)		4° 18' 00" S 15° 18' 00" E	240 m
Léopoldville (see Kinshasa)		4° 19' 47" S 15° 18' 54" E	240 m
Lovanium university (see Kinshasa)		4° 19' 47" S 15° 18' 54" E	240 m
Makengo, on Kwango river		4° 46' 00" S 16° 19' 00" E	611 m
Ndjili		4° 27' 51" S 15° 20' 56" E	327 m
Nkiene		4° 10' 00" S 15° 55' 00" E	
Nsele (see Kimpoko-Nsele)		4° 14' 04" S 15° 33' 01" E	294 m
TASOK (The American School of Kinshasa) (see Kinshasa, 10 km W)	ca.	4° 20' 00" S 15° 15' 00" E	
Kisingani		0° 32' 30" N 25° 11' 00" E	
Kivu (see Kivu region)			
Kivu region (see also: Kivu)			
Nasosurro River			
Ko[g]enga			
Kokonde			
Kolwezi province			
Kongo Central province (see also: Bas Congo (former) province, Bas Congo province)	ca.	5° 00' 00" S 15° 00' 00" E	
Banana (see also: Banane)		6° 01' 00" S 12° 24' 00" E	0 m
Banana - Boma road, km 74, 25 km from coast in forest		5° 47' 00" S 12° 31' 00" E	

Banana creek		5° 58' 00" S 12° 27' 00" E	
Banana or Netonna	ca.	5° 58' 00" S 12° 27' 00" E	
Banane (see Banana)		6° 01' 00" S 12° 24' 00" E	0 m
Banjan caves		5° 16' 00" S 14° 53' 00" E	
(see also: Banjan grotten, Grottes de Banjan, Thysville, cave, Thysville, cave b 13 a)			
Banjan grotten (see Banjan caves)		5° 16' 00" S 14° 53' 00" E	
Banza Nfinda caves		5° 16' 00" S 14° 52' 00" E	ca. 611 m
(see also: Banza Nfinda grot, Grotte de Banza Nfinda)			
Banza Nfinda grot (see Banza Nfinda caves)		5° 16' 00" S 14° 52' 00" E	ca. 611 m
Barafinda cave B 13		5° 43' 00" S 14° 28' 00" E	
(see also: Barafinda grotte B 13)			
Barafinda grotte B 13 (see Barafinda cave B 13)		5° 43' 00" S 14° 28' 00" E	
Benza Masola		5° 12' 00" S 13° 00' 00" E	
Boma, near mouth of Kongo river		5° 51' 00" S 13° 03' 00" E	61 m
Boma, zone	ca.	5° 51' 00" S 13° 03' 00" E	
Bondo, 15 km W Lukula		5° 24' 00" S 12° 54' 00" E	
(see also: Lukula, 15 km W)			
Cave C.8.1 (see Mbanza-Ngungu), near Mbanza-Ngungu	ca.	5° 15' 00" S 14° 52' 00" E	
Cave C.8.2, near Mbanza-Ngungu	ca.	5° 15' 00" S 14° 52' 00" E	
Congo river, 75 mi [=121 km] up			
Djambala (hill)		4° 42' 00" S 13° 44' 00" E	
Ganda (see Ganda-Sundi)		4° 52' 00" S 12° 52' 00" E	294 m
Ganda-Sundi		4° 52' 00" S 12° 52' 00" E	294 m
(see also: Ganda)			
Grotte de Banza Nfinda (see Banza Nfinda caves)		5° 16' 00" S 14° 52' 00" E	
Grotte de Kele 1 (see Kele cave 1)		5° 31' 00" S 14° 36' 00" E	
Grotte de Kimuenza (see Kimuenza cave)		4° 27' 33" S 15° 17' 20" E	
Grotte de Mani ou grotte de Nkela de Mbumba-Nsi (see Mani cave or Nkela cave or Mbumba-Nsi)		5° 22' 00" S 14° 32' 00" E	
Grottes de Banjan (see Banjan caves)		5° 16' 00" S 14° 53' 00" E	
Kavuaya		5° 20' 19" S 14° 51' 48" E	
Kele cave 1		5° 31' 00" S 14° 36' 00" E	
(see also: Grotte de Kele 1, Kele grot 1)			
Kele grot 1 (see Kele cave 1)		5° 31' 00" S 14° 36' 00" E	
Kidada		5° 22' 00" S 14° 32' 00" E	
Kimbemba cataracts	ca.	4° 51' 00" S 14° 06' 00" E	
Kimuenza cave		4° 27' 33" S 15° 17' 20" E	
(see also: Grotte de Kimuenza, Kimuenza grot, Kimwenza cave)			
Kimuenza grot (see Kimuenza cave)		4° 27' 33" S 15° 17' 20" E	
Kimvuadu, se Mayumbe territory ?		5° 15' 00" S 13° 18' 00" E	
Kimwenza cave (see Kimuenza cave)		4° 27' 33" S 15° 17' 20" E	
Kisala (see Kisala-Kiama)		4° 48' 00" S 13° 10' 00" E	433 m
Kisala Nkiama (see Kisala-Kiama)		4° 48' 00" S 13° 10' 00" E	433 m
Kisala-Kiama		4° 48' 00" S 13° 10' 00" E	433 m
(see also: Kisala, Kisala Nkiama)			
Kisantu, near Mbanza-Ngungu		5° 07' 00" S 15° 05' 00" E	
Kuango		4° 45' 00" S 13° 36' 00" E	
Lufu		5° 40' 00" S 13° 53' 00" E	
Luki Biosphere Reserve		5° 38' 24" S 13° 12' 30" E	
Luki Biosphere Reserve, Forest NE of	ca.	5° 38' 24" S 13° 12' 30" E	
Lukula, Mayumbe area		5° 23' 00" S 12° 57' 00" E	196 m
Lukula, 15 km W (see Bondo)		5° 24' 00" S 12° 54' 00" E	
Lusanga Mwanza		5° 50' 00" S 13° 03' 00" E	
Makaia N'Tete		5° 33' 00" S 13° 02' 00" E	
Make		4° 36' 00" S 15° 10' 00" E	
Malela, near Boma		5° 59' 00" S 12° 37' 00" E	2 m
Mani cave or Nkela cave or Mbumba-Nsi		5° 22' 00" S 14° 32' 00" E	
(see also: Grotte de Mani ou grotte de Nkela de Mbumba-Nsi, Mani grot of Nkela grot van Mbumba-Nsi)			
Mani grot of Nkela grot van Mbumba-Nsi (see Mani cave or Nkela cave or Mbumba-Nsi)		5° 22' 00" S 14° 32' 00" E	
Matadi		5° 49' 00" S 13° 27' 00" E	18 m
(see also: Matidi)			
Matidi (see Matadi)		5° 49' 00" S 13° 27' 00" E	18 m
Maunzi		5° 19' 00" S 15° 07' 00" E	547 m
(see also: Mavunzi, Mawunzi, Mvuazi)			
Mavunzi (see Maunzi)		5° 19' 00" S 15° 07' 00" E	547 m
Mawunzi (see Maunzi)		5° 19' 00" S 15° 07' 00" E	547 m
Mayumbe area	ca.	4° 30' 00" S 12° 30' 00" E	
Mayumbe	ca.	5° 00' 00" S 15° 00' 00" E	
Vaku		5° 15' 00" S 13° 10' 00" E	351 m

Mbanza-Ngungu		5° 15' 00" S 14° 52' 00" E	604 m
(see also: Cave C.8.1, Thysstad, Thysville)			
Moanda (see Muanda)		5° 56' 00" S 12° 21' 00" E	0 m
Mouth of Congo	ca.	6° 00' 00" S 12° 30' 00" E	
Muanda		5° 56' 00" S 12° 21' 00" E	0 m
(see also: Moanda)			
Mvuazi (see Maunzi)		5° 19' 00" S 15° 07' 00" E	547 m
Netonna, near Banana and mouth of Congo river		5° 58' 00" S 12° 27' 00" E	
Nsiamfumu		5° 52' 00" S 12° 17' 00" E	2 m
(see also: Vista)			
Ruango		4° 45' 00" S 13° 36' 00" E	
Tamba Tamba cave b 12		5° 43' 00" S 14° 27' 00" E	
(see also: Tamba Tamba grot b 12)			
Tamba Tamba grot b 12 (see Tamba Tamba cave b 12)		5° 43' 00" S 14° 27' 00" E	
Temvo		5° 30' 00" S 13° 01' 00" E	238 m
Thysstad (see Mbanza-Ngungu)		5° 15' 00" S 14° 52' 00" E	604 m
Thysville (see Mbanza-Ngungu)		5° 15' 00" S 14° 52' 00" E	604 m
Bossafinda	ca.	5° 15' 00" S 14° 52' 00" E	
Thysville, cave (see Banjan caves)		5° 16' 00" S 14° 53' 00" E	
Thysville, cave b 12 a		5° 16' 00" S 14° 52' 00" E	
Thysville, cave b 13 a (see Banjan caves)		5° 16' 00" S 14° 53' 00" E	
Vista (see Nsiamfumu)		5° 52' 00" S 12° 17' 00" E	2 m
Yema (see Yema Mayombe)		5° 45' 00" S 12° 17' 00" E	18 m
Yema Mayombe		5° 45' 00" S 12° 17' 00" E	18 m
(see also: Yema)			
Zambi		5° 51' 00" S 12° 52' 00" E	
Kumbi			
Kwango province	ca.	6° 30' 00" S 17° 46' 00" E	
Bongolo Mission		6° 36' 00" S 16° 46' 00" E	383 m
François-Joseph, chutes (see Franz-Josef falls)	ca.	7° 35' 30" S 17° 13' 55" E	
Franz-Josef falls	ca.	7° 35' 30" S 17° 13' 55" E	
(see also: François-Joseph, chutes)			
Kwango		6° 28' 14" S 17° 26' 55" E	1020 m
Masaba		4° 33' 00" S 16° 54' 00" E	
Popokabaka territory		5° 42' 00" S 16° 35' 00" E	
Popokabaka, via Inkisi		5° 42' 00" S 16° 35' 00" E	485 m
Kwilu province			
Athens Mission		5° 02' 00" S 18° 49' 00" E	
Bala (see Bata)		6° 01' 00" S 19° 40' 00" E	590 m
Bandimbu, Mosenge		4° 39' 00" S 18° 58' 00" E	
Bata		6° 01' 00" S 19° 40' 00" E	590 m
(see also: Bala)			
Bongale		6° 00' 00" S 18° 41' 00" E	
Congo da Lemba		5° 42' 00" S 13° 40' 00" E	
Kakoi, near Kikwit		5° 06' 11" S 18° 55' 58" E	451 m
Kasanga		6° 30' 00" S 16° 55' 00" E	
Kikwit		5° 03' 44" S 18° 52' 38" E	438 m
(see also: Kikwit ITPK)			
Kikwit ITPK (see Kikwit)		5° 03' 44" S 18° 52' 38" E	438 m
Kilembe, 52 mi [=84 km] S		5° 47' 00" S 19° 54' 00" E	
Kimbinga market		5° 08' 00" S 19° 03' 00" E	585 m
Kinzambi mission, near Kikwit		4° 58' 38" S 18° 46' 28" E	312 m
(see also: Mission de Kinzambi)			
Kiulu Mgemgo (see Kuili Ngongo)		4° 24' 00" S 17° 42' 00" E	
Kuili		4° 24' 00" S 17° 42' 00" E	
(see also: Kuili Ngongo)			
Kuili Ngongo (see Kuili)		4° 24' 00" S 17° 42' 00" E	
(see also: Kiulu Mgemgo)			
Leverstad (see Lusanga)		4° 50' 00" S 18° 44' 00" E	307 m
Leverville (see Lusanga)		4° 50' 00" S 18° 44' 00" E	307 m
Luanu		5° 13' 00" S 19° 08' 00" E	
Lusanga		4° 50' 00" S 18° 44' 00" E	307 m
(see also: Leverstad, Leverville)			
Masabu		4° 33' 00" S 16° 54' 00" E	597 m
Mbalaka (plantation), near Kikwit		5° 00' 00" S 18° 53' 00" E	
Mbwambala, near Kikwit		5° 03' 00" S 18° 55' 00" E	
Menga, near Kikwit		5° 03' 00" S 18° 51' 00" E	
Mission de Kinzambi (see Kinzambi mission)		4° 58' 38" S 18° 46' 28" E	312 m
Mission Sacre Coeur (see Sacred Heart mission), near Kikwit		5° 01' 43" S 18° 50' 47" E	
Mosenge		4° 39' 00" S 18° 58' 00" E	508 m
Mungamba		5° 28' 00" S 18° 35' 00" E	586 m
Mwebe bridge, near Kikwit		5° 02' 50" S 18° 50' 15" E	
Ngula		4° 45' 00" S 18° 11' 00" E	549 m

Sacred Heart mission, near Kikwit (see also: Mission Sacre Coeur)	5° 01' 43" S 18° 50' 47" E	
Trappist mission, near Kikwit	5° 02' 16" S 18° 51' 12" E	
Kyniamahura		
Lac Marion (see Marion, lake)		
Lake Marion (see Marion, lake)		
Lomami province (see also: Kabinda (former) district)		
Bena Mbala	6° 48' 00" S 23° 47' 00" E	
Gandajika	6° 45' 00" S 23° 57' 00" E	806 m
Kabanga	6° 40' 12" S 23° 40' 12" E	
Kalenda [Kasai]	7° 08' 00" S 23° 32' 00" E	821 m
Kasaka	5° 07' 00" S 26° 09' 00" E	618 m
Kasuo cave Kabwe ka	6° 37' 00" S 24° 58' 00" E	
Luputa	7° 10' 00" S 23° 42' 00" E	841 m
Mukwaya	6° 32' 00" S 23° 26' 00" E	
Lower Uele province (see Bas Uele province)		
Lualaba province		
Abysse de Swanepoel II, near Kambove	10° 51' 00" S 26° 41' 00" E	ca. 1350 m
Chinkolobwe (see Shinkolobwe)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux Farm, cave I (see Shinkolobwe)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux Farm, cave II (see Shinkolobwe)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux Farm, Tantara cave (see Shinkolobwe)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, grot I (see Shinkolobwe)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, grot II (see Shinkolobwe)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, Tantara grot (see Shinkolobwe)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethiox caves (see Kambove)	10° 50' 00" S 26° 39' 00" E	
Dethiox grotten (see Kambove)	10° 50' 00" S 26° 39' 00" E	
Detioux Cave (see Kambove)	10° 50' 00" S 26° 39' 00" E	
Dikul River (see Dikulwe cave)	10° 45' 00" S 25° 22' 00" E	
Dikuluwe cave (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers	10° 45' 00" S 25° 22' 00" E	
Dikuluwe grot (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers	10° 45' 00" S 25° 22' 00" E	
Dikulwe cave, at confluence of Dikulwe and Kimembe rivers (see also: Dikul River, Dikuluwe cave, Dikuluwe grot, Grotte de Dikuluwe)	10° 45' 00" S 25° 22' 00" E	
Dikulwe river	10° 45' 00" S 25° 22' 00" E	
Dilolo territory		
Dilolo (see also: Dilolo station, Dilolo, poste, Kayombe)	10° 28' 00" S 22° 28' 00" E	1069 m
Dilolo station (see Dilolo)	10° 28' 00" S 22° 28' 00" E	1069 m
Dilolo, poste (see Dilolo)	10° 28' 00" S 22° 28' 00" E	1069 m
Kayombe (see Dilolo)	10° 28' 00" S 22° 28' 00" E	1069 m
Funda Biabo (see also: Funda Biako)	9° 50' 00" S 25° 33' 00" E	693 m
Funda Biako (see Funda Biabo)	9° 50' 00" S 25° 33' 00" E	693 m
Grotte de Dikuluwe (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers	10° 45' 00" S 25° 22' 00" E	
Grotte de Kaboyaboya (see Kaboyaboya cave), near Lubudi, near Kaio rapids, south fork Kapandula river	9° 56' 00" S 25° 58' 00" E	
Grotte de Kakanda (see Kakanda cave), Kolwezi or Haut Katanga province	10° 47' 00" S 26° 36' 00" E	1438 m
Grotte de Kiasala (see Kiasala cave), near Lubudi	9° 56' 00" S 25° 58' 00" E	1300 m
Grotte de Kondo (see Kakanda cave)	10° 47' 00" S 26° 36' 00" E	1438 m
Grotte de Kyantapo (see Kyantapo cave), 30 km SW Lubudi	9° 56' 00" S 25° 58' 00" E	1525 m
Grotte de Kyasala (see Kiasala cave), near Lubudi	9° 56' 00" S 25° 58' 00" E	1300 m
Grotte de Mulonga (see Mulonga cave), near Lubudi	9° 56' 00" S 25° 58' 00" E	
Grotte de Mulungwishi (see Mulungwishi, cave), near Likasi	10° 46' 58" S 26° 37' 52" E	1366 m
Grotte de Tantara, ferme Dethioux (see Shinkolobwe)	11° 02' 00" S 26° 29' 00" E	1334 m
Grotte I, ferme Dethioux (see Shinkolobwe)	11° 02' 00" S 26° 29' 00" E	1334 m
Grotte II, ferme Dethioux (see Shinkolobwe)	11° 02' 00" S 26° 29' 00" E	1334 m
Grotte Swanepoel I (see Swanepoel I cave), near Kambove	10° 50' 00" S 26° 39' 00" E	ca. 1350 m
Grottes de Dethiox (see Kambove)	10° 50' 00" S 26° 39' 00" E	
Kaboyaboya cave, near Lubudi, near Kaio rapids, south fork Kapandula river (see also: Grotte de Kaboyaboya, Kaboyaboya grot)	9° 56' 00" S 25° 58' 00" E	
Kaboyaboya grot (see Kaboyaboya cave), near Lubudi, near Kaio rapids, south fork Kapandula river	9° 56' 00" S 25° 58' 00" E	

Kakanda cave, on Lualaba (see also: Grotte de Kakanda, Grotte de Kondo, Kakanda grot, Kondo cave, Kondo grot)		10° 47' 00" S 26° 36' 00" E	1438 m
Kakanda grot (see Kakanda cave), on Lualaba		10° 47' 00" S 26° 36' 00" E	1438 m
Kakanda Mutaka		10° 44' 00" S 26° 23' 00" E	
Kalutenge		10° 30' 00" S 25° 37' 00" E	
Kamatanda, near Likasi		10° 57' 00" S 26° 46' 00" E	
Kambove, 10 km Shinkolobwe and 35 km Jadotville (see also: Dethiox caves, Dethiox grotten, Detioux Cave, Grottes de Dethiox)		10° 50' 00" S 26° 39' 00" E	
Kandu (cave)		9° 56' 00" S 25° 58' 00" E	
Kanzenze mission (see also: Liège Sacre-Coeur mission, Mission de Liège Sacre-Coeur)		10° 31' 00" S 25° 12' 00" E	1157 m
Kapanga		8° 21' 00" S 22° 35' 00" E	881 m
Kapaso		11° 40' 00" S 27° 29' 00" E	
Kapushia		10° 41' 00" S 22° 52' 00" E	965 m
Kasaji		10° 22' 00" S 23° 27' 00" E	1087 m
Kasaji Malonga		10° 27' 00" S 23° 27' 00" E	
Katentania		10° 19' 00" S 25° 54' 00" E	1597 m
Kiantapo cave (see Kyantapo cave)		9° 56' 00" S 25° 58' 00" E	1525 m
Kiasala cave, near Lubudi (see also: Grotte de Kiasala, Grotte de Kyasala, Kiasala grot, Kyasala cave, Kyasala grande grotte, Kyasala grot)		9° 56' 00" S 25° 58' 00" E	1300 m
Kiasala grot (see Kiasala cave), near Lubudi		9° 56' 00" S 25° 58' 00" E	1300 m
Kolwezi		10° 43' 00" S 25° 28' 21" E	1448 m
Kondo cave (see Kakanda cave)		10° 47' 00" S 26° 36' 00" E	1438 m
Kondo grot (see Kakanda cave)		10° 47' 00" S 26° 36' 00" E	1438 m
Kyamakonde Cave, near Lubudi	ca.	9° 56' 00" S 25° 58' 00" E	
Kyantapo cave, 30 km SW Lubudi (see also: Grotte de Kyantapo, Kiantapo cave, Kyantapo grot, Lubudi, 30 km SW)		9° 56' 00" S 25° 58' 00" E	1525 m
Kyantapo grot (see Kyantapo cave), 30 km SW Lubudi		9° 56' 00" S 25° 58' 00" E	1525 m
Kyasala cave (see Kiasala cave), near Lubudi		9° 56' 00" S 25° 58' 00" E	1300 m
Kyasala grande grotte (see Kiasala cave)		9° 56' 00" S 25° 58' 00" E	1300 m
Kyasala grot (see Kiasala cave), near Lubudi		9° 56' 00" S 25° 58' 00" E	1300 m
Liège Sacre-Coeur mission (see Kanzenze mission)		10° 31' 00" S 25° 12' 00" E	1157 m
Lofoi [river]		10° 13' 00" S 27° 25' 00" E	
Lubudi (see also: Lubudi, large cave, Lubudi, small cave, Lusolo cave)		9° 57' 00" S 25° 58' 00" E	1307 m
Lubudi, 30 km SW (see Kyantapo cave)		9° 56' 00" S 25° 58' 00" E	1525 m
Lubudi, large cave (see Lubudi)		9° 57' 00" S 25° 58' 00" E	1307 m
Lubudi, small cave (see Lubudi)		9° 57' 00" S 25° 58' 00" E	1307 m
Lubudi-Lusolo		9° 56' 00" S 25° 58' 00" E	
Lusolo cave (see Lubudi)		9° 57' 00" S 25° 58' 00" E	1307 m
Mission de Liège Sacre-Coeur (see Kanzenze mission)		10° 31' 00" S 25° 12' 00" E	1157 m
M'Pala, Kazenze		10° 29' 00" S 25° 13' 00" E	
Mululo		9° 56' 00" S 26° 58' 00" E	
Mulong cave (see Mulonga cave)		9° 56' 00" S 25° 58' 00" E	
Mulonga cave, near Lubudi (see also: Grotte de Mulonga, Mulong cave, Mulonga grot)		9° 56' 00" S 25° 58' 00" E	
Mulonga grot (see Mulonga cave), near Lubudi		9° 56' 00" S 25° 58' 00" E	
Mulungwishi		10° 46' 58" S 26° 37' 52" E	
Mulungwishi, cave, near Likasi (see also: Grotte de Mulungwishi)		10° 46' 58" S 26° 37' 52" E	1366 m
Shainkolobwe (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Shinkolobwe, road to Kasenga (see also: Chinkolobwe, Dethioux Farm, cave I, Dethioux Farm, cave II, Dethioux Farm, Tantara cave, Dethioux hoeve, grot I, Dethioux hoeve, grot II, Dethioux hoeve, Tantara grot, Grotte de Tantara, ferme Dethioux, Grotte I, ferme Dethioux, Grotte II, ferme Dethioux, Shainkolobwe, Tantara cave, Trou aux Serpents)		11° 02' 00" S 26° 29' 00" E	1334 m
Swanepoel I cave, near Kambove (see also: Grotte Swanepoel I, Swanepoel I grot)		10° 50' 00" S 26° 39' 00" E	ca. 1350 m
Swanepoel I grot (see Swanepoel I cave), near Kambove		10° 50' 00" S 26° 39' 00" E	ca. 1350 m
Swanepoel II abyss, near Kambove		10° 51' 00" S 26° 42' 00" E	ca. 1350 m
Tantara cave (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Trou aux Serpents (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m

Lukoi River

Lulua province (see Kasai Central province)			
Mai-Ndombe province			
Batoko (river) (see Olongo-Nsongo [river])		1° 39' 00" S 18° 05' 00" E	
Beno, near Banningville (Bandungu)		3° 37' 00" S 17° 48' 00" E	281 m
Benzale		4° 08' 00" S 16° 40' 00" E	277 m
Binga		2° 23' 00" N 20° 30' 00" E	397 m
Bokala		3° 07' 00" S 17° 02' 00" E	307 m
Bokalakala		2° 08' 00" S 16° 22' 00" E	252 m
Bokoro, Lukenie		2° 50' 00" S 18° 23' 00" E	252 m
Bolobo territory			
Ndua (see Ndwa)		2° 09' 00" S 16° 25' 00" E	
Ndwa		2° 09' 00" S 16° 25' 00" E	
(see also: Ndua)			
Bombo Lumene		3° 58' 00" S 15° 59' 00" E	
Inongo		1° 57' 00" S 18° 16' 00" E	335 m
Karawa		3° 20' 00" N 20° 18' 00" E	453 m
Keri river		1° 29' 00" S 18° 58' 00" E	
(see also: Kiri river)			
Keseki		2° 07' 00" S 16° 32' 00" E	308 m
(see also: Kesiki)			
Kesiki (see Keseki)		2° 07' 00" S 16° 32' 00" E	308 m
Kiri river (see Keri river)		1° 29' 00" S 18° 58' 00" E	
Kitimi		3° 58' 00" S 15° 53' 00" E	
Kunungu		2° 06' 00" S 16° 26' 00" E	
Kwamouth		3° 10' 00" S 16° 12' 00" E	146 m
Lac Léopold II (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Lake Leopold II (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Lake Mai-Ndombe (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Leopold 2nd, lake (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Leopold II meer (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Leopold II, lake (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Libenge		3° 39' 00" N 18° 38' 00" E	326 m
(see also: Libengué)			
Libengué (see Libenge)		3° 39' 00" N 18° 38' 00" E	326 m
Lukolela		1° 03' 00" S 17° 12' 00" E	285 m
Lukolela, 4 mi from	ca.	1° 03' 00" S 17° 12' 00" E	
Mai-Ndombe, lake		2° 05' 05" S 18° 20' 21" E	
(see also: Lac Léopold II, Lake Leopold II, Lake Mai-Ndombe, Leopold 2nd, lake, Leopold II meer, Leopold II, lake)			
Makaw		3° 29' 00" S 18° 19' 00" E	315 m
Mistandunga		2° 05' 00" S 16° 22' 00" E	228 m
Mongende		2° 06' 00" S 16° 20' 00" E	
Mpe		2° 12' 00" S 17° 38' 00" E	399 m
Mushie		3° 01' 00" S 16° 54' 00" E	180 m
Olongo-Nsongo [river]		1° 39' 00" S 18° 05' 00" E	
(see also: Batoko (river))			
Oshwe, Lake Leopold II		3° 24' 00" S 19° 30' 00" E	368 m
Maka, Banks of the Lualaba; Haut Lomami or Tanganyika province		8° 56' 00" S 26° 04' 00" E	
Maniema province			
Grotte de Mwanakusu (see Mwanakusu cave)		4° 35' 00" S 27° 08' 00" E	
Kailo, road to Kalima		2° 38' 00" S 26° 06' 00" E	602 m
Kasongo territory		4° 27' 00" S 26° 40' 00" E	
Kapaya (see Kasongo)		4° 27' 00" S 26° 40' 00" E	625 m
Kasongo		4° 27' 00" S 26° 40' 00" E	625 m
(see also: Kapaya, Kazongo, Tongoni)			
Kasongo Samba		4° 30' 00" S 26° 40' 00" E	
Kazongo (see Kasongo)		4° 27' 00" S 26° 40' 00" E	625 m
Samba		4° 38' 00" S 26° 22' 00" E	610 m
Tongoni (see Kasongo)		4° 27' 00" S 26° 40' 00" E	625 m
Kindu		2° 57' 00" S 25° 57' 00" E	504 m
(see also: Kindu-Port-Empain, Port de Kindu, Port-Empain)			
Kindu, 30 km SW (see Scierie Forest)		3° 10' 00" S 25° 46' 00" E	
Kindu-Port-Empain (see Kindu)		2° 57' 00" S 25° 57' 00" E	504 m
Kuleponge (see Kulepongi)		3° 22' 00" N 25° 41' 00" E	604 m
Kulepongi		3° 22' 00" N 25° 41' 00" E	604 m
(see also: Kuleponge, Kulepongo)			
Kulepongo (see Kulepongi)		3° 22' 00" N 25° 41' 00" E	604 m
Kumi		4° 31' 48" S 26° 33' 00" E	
Lubutu territory		0° 44' 00" S 26° 35' 00" E	
Lubutu		0° 44' 00" S 26° 35' 00" E	669 m
Lulola-Kasanga		3° 06' 00" S 26° 59' 00" E	
(see also: Mulolo-Kisanga)			
Mulolo		3° 06' 00" S 26° 58' 00" E	

Mulolo-Kisanga (see Lulola-Kasanga)		3° 06' 00" S 26° 59' 00" E	
Mwanakusu (see Mwana-Kusu)		4° 26' 00" S 26° 48' 00" E	612 m
Mwana-Kusu		4° 26' 00" S 26° 48' 00" E	612 m
(see also: Mwanakusu)			
Mwanakusu cave		4° 35' 00" S 27° 08' 00" E	
(see also: Grotte de Mwanakusu, Mwanakusu grot)			
Mwanakusu grot (see Mwanakusu cave)		4° 35' 00" S 27° 08' 00" E	
Nyangwe		4° 13' 00" S 26° 11' 00" E	507 m
(see also: Pene Bwebwe)			
Pene Bwebwe (see Nyangwe)		4° 13' 00" S 26° 11' 00" E	507 m
Port de Kindu (see Kindu)		2° 57' 00" S 25° 57' 00" E	504 m
Port-Empain (see Kindu)		2° 57' 00" S 25° 57' 00" E	504 m
Sciere Forest		3° 10' 00" S 25° 49' 00" E	
Scierie Forest, 30 km SW Kindu		3° 10' 00" S 25° 49' 00" E	
(see also: Kindu, 30 km SW)			
Marion, lake			
(see also: Lac Marion, Lake Marion)			
Mbale			
Mongala province			
Badjoki - Bumba (see Bodjoki - Bumba)		2° 59' 00" N 22° 18' 00" E	441 m
Bodjoki - Bumba		2° 59' 00" N 22° 18' 00" E	441 m
(see also: Badjoki - Bumba)			
Bolafa		2° 08' 00" N 21° 37' 00" E	
Bombanga - Bumba		2° 48' 00" N 22° 16' 00" E	
Bombia Bonelu		2° 34' 30" N 21° 47' 07" E	
Bumba		2° 11' 00" N 22° 28' 00" E	419 m
Bumba territory		2° 11' 00" N 22° 28' 00" E	
Kona		2° 02' 00" N 22° 47' 00" E	
Yalosemba		2° 35' 00" N 21° 47' 00" E	422 m
(see also: Yalosembe, Yalosombo)			
Yalosembe (see Yalosemba)		2° 35' 00" N 21° 47' 00" E	422 m
Yalosombo (see Yalosemba)		2° 35' 00" N 21° 47' 00" E	422 m
Bwandza		2° 36' 56" N 21° 44' 32" E	
Kagada		3° 11' 00" S 28° 20' 00" E	
Lisala territory		2° 09' 00" N 21° 31' 00" E	
Gala (see Gumba)		2° 57' 00" N 21° 26' 00" E	412 m
Gumba		2° 57' 00" N 21° 26' 00" E	412 m
(see also: Gala)			
Lisala		2° 09' 00" N 21° 31' 00" E	409 m
(see also: Lizala)			
Lizala (see Lisala)		2° 09' 00" N 21° 31' 00" E	409 m
Yamazo Yamono		2° 34' 30" N 21° 47' 07" E	
Yambasa (see Yambata)		2° 26' 00" N 21° 58' 00" E	414 m
Yambata		2° 26' 00" N 21° 58' 00" E	414 m
(see also: Yambasa)			
Yambombo		2° 34' 30" N 21° 47' 07" E	
Montembessa cave			
(see also: Grotte de Montembessa)			
Mpopola grot (see Mpopola cave), Haut Lomami or Kolwezi province		9° 56' 00" S 25° 58' 00" E	1450 m
Mulima			
Naleza		15° 27' 00" S 27° 20' 00" E	
Ndama			
Nord Kivu province			
(see also: North Kivu province)			
Albert Edward Nyanza (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Alima		0° 35' 00" N 29° 18' 00" E	
Batala's Village, 30 mi W Beni		0° 30' 00" N 29° 15' 00" E	914 m
(see also: Beni, 30 mi [=48 km] W, Mambabwanga Hill)			
Bela		0° 38' 00" N 29° 14' 00" E	913 m
Beni		0° 30' 00" N 29° 28' 00" E	853 m
(see also: New Beni)			
Beni territory		0° 30' 00" N 29° 28' 00" E	
Beni territory		0° 30' 00" N 29° 28' 00" E	
Ancien Beni (see Vieux Beni)		0° 26' 00" N 29° 33' 00" E	585 m
Butembo		0° 09' 00" N 29° 17' 00" E	
Butembo region	ca.	0° 09' 00" N 29° 17' 00" E	
Fort Beni (see Vieux Beni)		0° 26' 00" N 29° 33' 00" E	585 m
Vieux Beni		0° 26' 00" N 29° 33' 00" E	585 m
(see also: Ancien Beni, Fort Beni)			
Beni, 25 km NW (see Moera's village), Ituri drainage	ca.	0° 35' 00" N 29° 25' 00" E	914 m
Beni, 30 mi [=48 km] W (see Batala's Village)		0° 30' 00" N 29° 15' 00" E	914 m
Beni, 36 km N (see Kisiki)		0° 45' 00" N 29° 34' 00" E	1177 m
Bitshumbi (see Vitshumbi)		0° 40' 56" S 29° 23' 12" E	907 m

Bugara		1° 10' 00" S 29° 28' 00" E	1200 m
Buhatu valley (see Butahu valley, cave), W slope of Mount Ruwenzori	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Bunyangura		1° 09' 00" S 29° 26' 00" E	1200 m
Bunyenzi		1° 10' 00" S 29° 27' 00" E	1225 m
Butagu valley (see Butahu valley, cave), W Ruwenzori	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Butahu valley, cave, W Ruwenzori (see also: Buhatu valley, Butagu valley, Butatu valley, Butawu valley)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Butatu valley (see Butahu valley, cave)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Butawu valley (see Butahu valley, cave)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Edouard, lac (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Edward meer (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Edward, lake (see also: Albert Edward Nyanza, Edouard, lac, Edward meer, Eward Nyanza, Idi Amin Dada, lake, Lac Edouard, Lac Idi Amine, Lake Edward, Lake Idi Amin Dada, Lake Rutanzige, Rutanzige, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Eringete (see Eringite)		0° 51' 00" N 29° 37' 00" E	1270 m
Eringite (see also: Eringete, Iringite)		0° 51' 00" N 29° 37' 00" E	1270 m
Eward Nyanza (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Fuko (river)		1° 15' 00" S 29° 28' 00" E	1300 m
Goma (see also: Ngoma)		1° 40' 45" S 29° 13' 22" E	1499 m
Grotte de Kibwe Lya Mikako (see Kibwe Lya Mikako cave)		0° 14' 42" S 29° 01' 00" E	1500 m
Grotte de Kwama Kwama (see Kwama Kwama cave)		1° 19' 00" N 29° 52' 00" E	1200 m
Grotte de Ribue Lya Mikako (see Kibwe Lya Mikako cave)		0° 14' 42" S 29° 01' 00" E	1500 m
Idi Amin Dada, lake (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Ilimba		0° 50' 00" N 29° 58' 00" E	750 m
Iringite (see Eringite)		0° 51' 00" N 29° 37' 00" E	1270 m
Jomba		1° 16' 54" S 29° 33' 14" E	
Kabale, south end lake Edward (see also: Kabare)		0° 38' 00" S 29° 07' 00" E	1791 m
Kabambi		0° 51' 00" N 29° 39' 00" E	1260 m
Kabare (see Kabale), south end lake Edward		0° 38' 00" S 29° 07' 00" E	1791 m
Kadehe River		1° 09' 00" S 29° 29' 00" E	1250 m
Kakungu		0° 07' 00" S 29° 37' 00" E	925 m
Kalonge, W Ruwenzori		0° 20' 00" N 29° 48' 00" E	2455 m
Kambukabakali		0° 01' 00" S 29° 36' 00" E	930 m
Kamikoni		1° 16' 00" S 29° 19' 00" E	
Kantundwe (see also: Kontundwe)		1° 10' 00" S 29° 28' 00" E	1150 m
Kanyatsi		0° 08' 00" S 29° 37' 00" E	940 m
Kanzarue river		1° 09' 00" S 29° 24' 00" E	1150 m
Kanzenze		1° 23' 02" S 29° 12' 51" E	2343 m
Karambi		0° 39' 00" S 29° 21' 00" E	896 m
Karibumba		0° 22' 00" N 29° 22' 00" E	1412 m
Kasebaya river (see Kasebeya River)		1° 10' 00" S 29° 28' 00" E	1350 m
Kasebere		1° 49' 00" S 28° 45' 00" E	
Kasebeya River (see also: Kasebaya river)		1° 10' 00" S 29° 28' 00" E	1350 m
Kasengi (see Kasengu), near Lake Albert		2° 08' 11" N 31° 05' 06" E	1532 m
Kasengu, near Lake Albert (see also: Kasengi)		2° 08' 11" N 31° 05' 06" E	1532 m
Kashwa		0° 47' 00" S 29° 12' 00" E	1797 m
Kasindi (see also: Kasindi Vieux, Kasindi-port, Old Kasindi)		0° 02' 10" S 29° 42' 49" E	1049 m
Kasindi Vieux (see Kasindi)		0° 02' 10" S 29° 42' 49" E	1049 m
Kasindi-port (see Kasindi)		0° 02' 10" S 29° 42' 49" E	1049 m
Kasuo-Kibwe cave (see Kibwe Lya Mikako cave)		0° 14' 42" S 29° 01' 00" E	1500 m
Katanda road, km 411		1° 00' 00" S 29° 00' 00" E	
Kiavikere (see also: Kiavikire)		0° 24' 00" N 29° 46' 00" E	1553 m
Kiavikire (see Kiavikere)		0° 24' 00" N 29° 46' 00" E	1553 m
Kibumba, Goma - Rutshuru road, 1800 m outside Albert National Park [=Virunga National Park]		1° 28' 00" S 29° 20' 00" E	1650 m
Kibwe Lya Mikako cave (see also: Grotte de Kibwe Lya Mikako, Grotte de Ribue Lya Mikako, Kasuo-Kibwe cave, Ribue Lya Mikako cave)		0° 14' 42" S 29° 01' 00" E	1500 m
Kikura		0° 33' 00" N 29° 57' 00" E	1900 m

Kilia Kaparata		0° 23' 00" N 29° 36' 00" E	980 m
Kilinga		1° 10' 00" S 28° 29' 00" E	1275 m
Kinawa passage, confluence Thyuma & Semliki		0° 40' 00" N 29° 50' 00" E	
Kinyamahura		1° 18' 00" S 29° 33' 00" E	1905 m
Kishero		0° 11' 00" N 29° 39' 00" E	925 m
Kisiki, 36 km N Beni (see also: Beni, 36 km N, Kisiki Kalume)		0° 45' 00" N 29° 34' 00" E	1177 m
Kisiki Kalume (see Kisiki), 36 km N Beni		0° 45' 00" N 29° 34' 00" E	1177 m
Kivu volcano (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Kiyite			
Kontundwe (see Kantundwe)		1° 10' 00" S 29° 28' 00" E	1150 m
Kwama Kwama cave (see also: Grotte de Kwama Kwama, Kwama Kwama grot)		1° 19' 00" N 29° 52' 00" E	1200 m
Kwama Kwama grot (see Kwama Kwama cave)		1° 19' 00" N 29° 52' 00" E	1200 m
Kya irtumbi (see Mutwanga)		0° 20' 00" N 29° 45' 00" E	1338 m
Lac Edouard (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Lac Idi Amine (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Lac Mugunga (see Mugunga, lake)		1° 37' 00" S 29° 08' 00" E	1500 m
Lake Edward (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Lake Edward, S end	ca.	0° 41' 02" S 29° 22' 49" E	
Lake Idi Amin Dada (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Lake Mugunga (see Mugunga, lake)		1° 37' 00" S 29° 08' 00" E	1500 m
Lake Rutanzige (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Lesse		0° 45' 00" N 29° 48' 00" E	800 m
Lima		0° 12' 00" N 29° 18' 00" E	
Lobango (see also: Lubango)		0° 19' 00" S 29° 13' 00" E	2197 m
Lomera		0° 07' 00" N 29° 35' 00" E	915 m
Lonzo (see Loso)		0° 08' 00" S 29° 36' 00" E	950 m
Losho (see Loso), near Tshango, Lake Edward		0° 08' 00" S 29° 36' 00" E	950 m
Loso, near Tshango, Lake Edward (see also: Lonzo, Losho)		0° 08' 00" S 29° 36' 00" E	950 m
Lubango (see Lobango)		0° 19' 00" S 29° 13' 00" E	2197 m
Luhohov (river), near Irangi reserve		1° 30' 20" S 28° 05' 51" E	
Lulenga (see Rugari)		1° 24' 47" S 29° 22' 23" E	2089 m
Lulimbi		0° 28' 00" S 29° 39' 00" E	
Lundjulu		0° 20' 00" S 28° 36' 00" E	1300 m
Luofu		0° 37' 00" S 29° 07' 00" E	1809 m
Lusilubi valley	ca.	0° 25' 10" N 29° 45' 51" E	
Lutunguru		0° 28' 12" S 28° 48' 46" E	1774 m
Maboya (see Maboyo)		0° 19' 00" N 29° 20' 00" E	1374 m
Maboyo (see also: Maboya)		0° 19' 00" N 29° 20' 00" E	1374 m
Mai-ya-Moto (see May ya Moto)		0° 14' 00" N 29° 43' 00" E	950 m
Makisabo (see also: Makisabu)		0° 24' 00" N 29° 36' 00" E	950 m
Makisabu (see Makisabo)		0° 24' 00" N 29° 36' 00" E	950 m
Malembe, in the south of the Walikale Territory	ca.	1° 26' 00" S 28° 04' 00" E	
Mambabwanga Hill (see Batala's Village), 30 mi W Beni		0° 30' 00" N 29° 15' 00" E	1000 m
Masibingi		0° 02' 00" N 29° 02' 00" E	
May ya Moto, Semliki valley (see also: Mai-ya-Moto, May ya Moto, sources chaudes, Moto, Mai ya, Moto, May a, Moto, May ya)		0° 14' 00" N 29° 43' 00" E	950 m
May ya Moto, sources chaudes (see May ya Moto)		0° 14' 00" N 29° 43' 00" E	950 m
Moenda		0° 25' 00" N 29° 46' 00" E	
Moera		0° 39' 00" N 29° 30' 00" E	1000 m
Moera's village, 25 km NW Beni, Ituri drainage (see also: Beni, 25 km NW)	ca.	0° 35' 00" N 29° 25' 00" E	914 m
Moto, Mai ya (see May ya Moto), Semliki valley		0° 14' 00" N 29° 43' 00" E	950 m
Moto, May a (see May ya Moto), Semliki valley		0° 14' 00" N 29° 43' 00" E	950 m
Moto, May ya (see May ya Moto), Semliki valley		0° 14' 00" N 29° 43' 00" E	950 m
Mount Tshiaberimu (see Tshiabirimu, mount), Kalibina, Ngwangwa forest	ca.	0° 05' 00" S 29° 26' 00" E	
Mount Tshiabirimu (see Tshiabirimu, mount), Kalibina, Ngwangwa forest	ca.	0° 05' 00" S 29° 26' 00" E	
Mugunga meer (see Mugunga, lake)		1° 37' 00" S 29° 08' 00" E	1500 m
Mugunga, lake (see also: Lac Mugunga, Lake Mugunga, Mugunga meer)		1° 37' 00" S 29° 08' 00" E	1500 m
Muhulu		1° 03' 00" S 27° 17' 00" E	671 m
Mukwande river		0° 19' 00" N 29° 42' 00" E	1300 m
Mumba		1° 27' 21" S 28° 53' 01" E	1765 m
Musenge, 15 mi S Walikale		1° 39' 54" S 28° 07' 14" E	

Musugeriza river		1° 09' 00" S 29° 27' 00" E	1150 m
Mutsora Station		0° 19' 00" N 29° 45' 00" E	1394 m
Mutwanga, Ruwenzori W		0° 20' 00" N 29° 45' 00" E	1338 m
(see also: Kya irtumbi)			
Ndomo		0° 19' 00" N 29° 20' 00" E	
Ndote		0° 11' 00" N 29° 39' 00" E	940 m
New Beni (see Beni)		0° 30' 00" N 29° 28' 00" E	1238 m
Ngerere Lepi		0° 39' 00" N 29° 53' 00" E	1200 m
Ngokai		0° 19' 00" N 29° 45' 00" E	
Ngoma (see Goma)		1° 40' 45" S 29° 13' 22" E	1499 m
Ngoma		0° 20' 00" N 28° 44' 00" E	905 m
(see also: N'goma)			
N'goma (see Ngoma)		0° 20' 00" N 28° 44' 00" E	905 m
Ngwiro		0° 43' 00" S 29° 26' 00" E	
Niabiondo (see Nyabiondo)		1° 15' 00" S 28° 45' 00" E	1297 m
Niragongo volcano (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Nyabiondo, near Masisi		1° 15' 00" S 28° 45' 00" E	1297 m
(see also: Niabiondo)			
Nyiragongo volcano (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Nyirogongo volcano		1° 31' 19" S 29° 14' 58" E	
(see also: Kivu volcano, Niragongo volcano, Nyiragongo volcano, Tshamiagongo volcano, Tshaninagongo, Volcan du Kivu, Volcan Niragong, Volcan Nyiragongo, Volcan Nyirogongo, Volcan Tshamiagongo)			
Nzulu		0° 36' 00" S 29° 05' 00" E	1500 m
(see also: N'Zulu)			
N'Zulu (see Nzulu)		0° 36' 00" S 29° 05' 00" E	1500 m
Old Kalonge (see Ugongo)		0° 20' 00" N 29° 49' 00" E	2285 m
Old Kasindi (see Kasindi)		0° 02' 10" S 29° 42' 49" E	1049 m
Oso River, Muhulu		1° 04' 00" S 27° 25' 00" E	
Ribue Lya Mikako cave (see Kibwe Lya Mikako cave)		0° 14' 42" S 29° 01' 00" E	1500 m
Rodahira river, near Rutshuru		1° 13' 00" S 29° 26' 00" E	1200 m
Rugari		1° 24' 47" S 29° 22' 23" E	2089 m
(see also: Lulenga)			
Rusenyi river		1° 12' 00" S 29° 35' 00" E	1300 m
Rutanzige, lake (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Rutshuru territory	ca.	1° 11' 00" N 29° 27' 00" E	
(see also: Rutshuru zone)			
Albert National Park (see Virunga National Park)		1° 00' 00" S 29° 15' 00" E	
Bulaya		1° 12' 00" S 29° 27' 00" E	1160 m
Bushdinka (see Busholinka river)		1° 11' 00" S 29° 29' 00" E	1350 m
Busholinka river		1° 11' 00" S 29° 29' 00" E	1350 m
(see also: Bushdinka)			
Fuko		1° 15' 00" S 29° 28' 00" E	1300 m
Gahama		1° 13' 00" S 29° 28' 00" E	1250 m
(see also: Kahama)			
Geramihasha river, affluent of Rodahira river		1° 13' 00" S 29° 27' 00" E	1250 m
Kahama (see Gahama)		1° 13' 00" S 29° 28' 00" E	1250 m
Kanyawamukunzi river		1° 10' 00" S 29° 34' 00" E	1300 m
Katanda, Left bank Rutshuru river		0° 50' 54" S 29° 22' 08" E	975 m
(see also: Katenda)			
Katenda (see Katanda), Left bank Rutshuru river		0° 50' 54" S 29° 22' 08" E	975 m
Murambi, near Rutshuru		1° 08' 00" S 29° 27' 00" E	1275 m
Myabikere (see Nyabikere)		1° 10' 00" S 29° 27' 00" E	1160 m
Niabikere (see Nyabikere)		1° 10' 00" S 29° 27' 00" E	1160 m
Nyabikere		1° 10' 00" S 29° 27' 00" E	1160 m
(see also: Myabikere, Niabikere)			
Nyabitembe river		1° 13' 00" S 29° 24' 00" E	1225 m
Nyakariba river, affluent of Fuko river		1° 13' 00" S 29° 24' 00" E	1325 m
Parc National Albert (see Virunga National Park)		1° 00' 00" S 29° 15' 00" E	
PNA (see Virunga National Park)		1° 00' 00" S 29° 15' 00" E	
Ruchuru (see Rutshuru)		1° 11' 03" S 29° 26' 56" E	1203 m
Rumanura river		1° 10' 00" S 29° 28' 00" E	1200 m
Rutshuru		1° 11' 03" S 29° 26' 56" E	1219 m
(see also: Ruchuru)			
Virunga National Park		1° 00' 00" S 29° 15' 00" E	
(see also: Albert National Park, Parc National Albert, PNA)			
Abatupi river		0° 45' 00" N 29° 49' 00" E	700 m
(see also: Amatupi river)			
Abialosa river		0° 42' 00" N 29° 41' 00" E	800 m
Amangundu		0° 45' 00" N 29° 48' 00" E	700 m
Amatupi river (see Abatupi river)		0° 45' 00" N 29° 49' 00" E	700 m
Bauelende (see Bauelendu)		0° 16' 00" N 29° 36' 00" E	925 m

Bauelendu		0° 16' 00" N 29° 36' 00" E	925 m
(see also: Bauelende)			
Biangolo		0° 25' 00" N 29° 45' 00" E	1300 m
Bumali		0° 21' 00" N 29° 45' 00" E	1300 m
Bwirina		0° 39' 00" N 29° 43' 00" E	900 m
Byangore river			
Djelube river, lower		0° 35' 00" N 29° 40' 00" E	850 m
Djelube river, middle		0° 31' 00" N 29° 44' 00" E	1100 m
Djemba		1° 20' 00" S 29° 34' 00" E	1500 m
(see also: Djomba)			
Djomba (see Djemba)		1° 20' 00" S 29° 34' 00" E	1500 m
Djuma river, upper		0° 38' 00" N 29° 34' 00" E	850 m
Djumma river, middle		0° 42' 00" N 29° 41' 00" E	800 m
Ihunga-Semliki confluence		0° 10' 00" N 29° 35' 00" E	
Inangongo		0° 33' 00" N 29° 41' 00" E	800 m
Ishango River		0° 08' 00" S 29° 36' 00" E	950 m
Ishango-Nyakazi		0° 08' 00" S 29° 35' 00" E	950 m
Kabakuli river		0° 27' 00" N 29° 44' 00" E	1500 m
Kamande		0° 35' 00" S 29° 18' 00" E	925 m
Kambemba		0° 34' 00" N 29° 41' 00" E	800 m
Kamohohora		0° 40' 00" S 29° 33' 00" E	
Kasaka		0° 05' 00" N 29° 36' 00" E	900 m
Kisisile		1° 25' 00" S 29° 30' 00" E	1250 m
Kitonga		0° 30' 00" S 29° 18' 00" E	920 m
Lac Ondo (see Ondo, lake)		1° 08' 07" S 29° 19' 21" E	
Lake Ondo (see Ondo, lake)		1° 08' 07" S 29° 19' 21" E	
Liki		0° 07' 00" S 29° 34' 00" E	
Lume river, near	ca.	0° 15' 00" N 29° 35' 00" E	
Maginda		0° 49' 00" N 29° 54' 00" E	850 m
Makayova river		0° 43' 00" N 29° 43' 00" E	750 m
Makayova river, lower		0° 43' 00" N 29° 43' 00" E	750 m
Malingongo		0° 44' 00" N 29° 40' 00" E	800 m
Malulu		0° 32' 00" N 29° 35' 00" E	
Mamudioma		0° 40' 00" N 29° 38' 00" E	1000 m
Mangbwelu river		0° 21' 00" N 29° 44' 00" E	1300 m
Masimengo		0° 34' 00" N 29° 42' 00" E	800 m
Molindi river		1° 09' 00" S 29° 19' 00" E	1000 m
Moseda (see Mosenda)		0° 04' 00" N 29° 22' 00" E	1737 m
Mosenda		0° 04' 00" N 29° 22' 00" E	1737 m
(see also: Moseda, Mosendwa, Museya)			
Mosendwa (see Mosenda)		0° 04' 00" N 29° 22' 00" E	1737 m
Mount Muvo (see Muvo, mount)		1° 14' 00" S 29° 18' 00" E	
Mugongo		1° 30' 00" S 29° 20' 00" E	
Mulala		0° 19' 00" N 29° 44' 00" E	1200 m
Musanze-Djomba		1° 20' 00" S 29° 34' 00" E	1500 m
Museya (see Mosenda)		0° 04' 00" N 29° 22' 00" E	1737 m
Mutsora		0° 19' 00" N 29° 44' 00" E	1200 m
Muvo, mount		1° 14' 00" S 29° 18' 00" E	
(see also: Mount Muvo)			
Muyirimbo		0° 32' 00" S 29° 17' 00" E	
Mwenda-Katuka piste, Munscnene section	ca.	0° 24' 43" N 29° 46' 10" E	
Mwiga		0° 40' 00" S 29° 27' 00" E	
Ndotwe		0° 12' 00" S 29° 28' 00" E	
Ngamaye		0° 44' 00" N 29° 38' 00" E	815 m
Nyambere (see Nyarusambo)		1° 28' 48" S 29° 21' 00" E	
Nyarusambo		1° 28' 48" S 29° 21' 00" E	
(see also: Nyambere)			
Ondo, lake		1° 08' 07" S 29° 19' 21" E	
(see also: Lac Ondo, Lake Ondo)			
Ramangabo (see Rumangabo)		1° 21' 28" S 29° 22' 09" E	1587 m
Ruanoli-Mavea confluence		0° 40' 00" N 29° 43' 00" E	800 m
Ruindi (see Rwindi)		0° 47' 05" S 29° 17' 26" E	1027 m
Rumangabo		1° 21' 28" S 29° 22' 09" E	1587 m
(see also: Ramangabo, Rumengabo)			
Rumengabo (see Rumangabo)		1° 21' 28" S 29° 22' 09" E	1587 m
Rwere Rwindi		0° 47' 00" S 29° 18' 00" E	
Rwindi		0° 47' 05" S 29° 17' 26" E	1027 m
(see also: Ruindi)			
Tshambi		0° 44' 00" S 29° 14' 00" E	1050 m
Tumbwe	ca.	1° 00' 00" S 29° 15' 00" E	
Tungudu		0° 45' 00" N 29° 40' 00" E	840 m
Vitshumbi		0° 40' 56" S 29° 23' 12" E	907 m
(see also: Bitshumbi)			
Rutshuru zone (see Rutshuru territory)		1° 11' 00" N 29° 27' 00" E	4400 ft
Rutu [river] (see Utu [river])		1° 24' 00" S 27° 49' 00" E	
Ruwenzori		0° 25' 00" N 29° 50' 00" E	

Bongeya river			1350 m
Ruwenzori SE	ca.	0° 30' 00" N 29° 50' 00" E	7500 ft
Ruwenzori, foothills		0° 23' 00" N 29° 54' 00" E	
Ruwenzori, S side	ca.	0° 25' 00" N 29° 50' 00" E	
Semliki river		0° 45' 00" N 29° 50' 00" E	
Senga, 15 mi [=24 km] S Walikale		1° 39' 54" S 28° 07' 14" E	950 m
Tshamiagongo volcano (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Tshaninagongo (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Tshiabirimu, mount, Kalibina, Ngwangwa forest (see also: Mount Tshiaberimu, Mount Tshiabirimu)	ca.	0° 05' 00" S 29° 26' 00" E	
Ugongo (see also: Old Kalonge)		0° 20' 00" N 29° 49' 00" E	2285 m
Utu [river] (see also: Rutu [river])		1° 24' 00" S 27° 49' 00" E	
Volcan du Kivu (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Volcan Niragong (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Volcan Nyiragongo (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Volcan Nyirogongo (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Volcan Tshamiagongo (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Walikale		1° 24' 56" S 28° 03' 26" E	703 m
Walikale, 15 mi [=24 km] S		1° 39' 54" S 28° 07' 14" E	
Nord Ubangui province (see also: North Ubangui province)			
Bosobolo		4° 11' 00" N 19° 54' 00" E	508 m
Bosodula (see Boso-Dula)		4° 17' 00" N 20° 29' 00" E	599 m
Boso-Dula (see also: Bosodula)		4° 17' 00" N 20° 29' 00" E	599 m
Dubulu		4° 18' 00" N 20° 16' 00" E	613 m
North Kivu province (see Nord Kivu province)			
North Loango			
North Ubangui province (see Nord Ubangui province)			
Nsiana			
Nyakaliba			
Oriental (former) province, see Bas Uele, Haut Uele, Ituri or Tshopa provinces			
Ruvara			
Sankuru province	ca.	4° 58' 00" S 23° 27' 00" E	
Baye via Bondo		4° 25' 00" N 23° 04' 00" E	
Djeka		2° 47' 00" S 23° 55' 00" E	
Inkongo (see Inkongo-Kakese), on Sankuru river		4° 53' 00" S 23° 18' 00" E	400 m
Inkongo-Kakese (see also: Inkongo, Inkongu)		4° 53' 00" S 23° 18' 00" E	400 m
Inkongu (see Inkongo-Kakese)		4° 53' 00" S 23° 18' 00" E	400 m
Kondue [river]		4° 57' 00" S 23° 21' 00" E	
Lodja territory		3° 29' 00" S 23° 26' 00" E	
Lodja (see also: Loja)		3° 29' 00" S 23° 26' 00" E	450 m
Loja (see Lodja)		3° 29' 00" S 23° 26' 00" E	450 m
Lusambo (see also: Luzambo)		4° 58' 00" S 23° 27' 00" E	397 m
Luzambo (see Lusambo)		4° 58' 00" S 23° 27' 00" E	397 m
Omaniumdu		3° 21' 00" S 23° 16' 00" E	464 m
Pania-Mutombo		5° 11' 00" S 23° 51' 00" E	407 m
Pania-Mutombo (see Pania-Mutombo) (see also: Pania-Mutombo)		5° 11' 00" S 23° 51' 00" E	407 m
Shaba, Lubumbashi			
Shaba (former) province (see Katanga (former) province), see Tanganika, Haut Katanga, Kolwezi, Haut Lomani or Lualaba provinces			
South Kivu province (see Sud Kivu province)			
Bobandana		1° 41' 56" S 29° 00' 47" E	
South Ubangui province (see Sud Ubangui province)			
Sud Kivu province (see also: South Kivu province)			
Baraka		4° 05' 27" S 29° 05' 15" E	772 m
Baraka, 5 mi [=8 km] N	ca.	4° 05' 27" S 29° 05' 15" E	
Bitale		2° 13' 00" S 28° 38' 00" E	
Bukavu (see also: Costermansstad, Costermansville)		2° 30' 30" S 28° 51' 39" E	1498 m
Bushanganya		2° 19' 00" S 28° 47' 00" E	
Bushokwe caves, Langara (see also: Bushokwe grottes, Grottes de Bushokwe, Grottoes de Bushokwe)	ca.	2° 59' 27" S 28° 55' 29" E	
Bushokwe grottes (see Bushokwe caves), Langara	ca.	2° 59' 27" S 28° 55' 29" E	
Bushushu		2° 01' 00" S 28° 54' 00" E	1455 m

Byonga		3° 21' 00" S 28° 08' 00" E	
Cape Cassa Mabongo (see Kasambongo)		3° 24' 00" S 29° 08' 00" E	
Cape Lopez		3° 07' 00" S 28° 43' 00" E	
Costermansstad (see Bukavu)		2° 30' 30" S 28° 51' 39" E	1498 m
Costermansville (see Bukavu)		2° 30' 30" S 28° 51' 39" E	1498 m
Fomulac-Katana		2° 13' 00" S 28° 50' 00" E	
Grand ebouli de Lemera (see Itombwe)		4° 04' 00" S 28° 40' 00" E	
Grotte de Kakindo (see Kakondo cave), near SW shore of Lake Kivu		2° 16' 00" S 28° 51' 00" E	
Grotte de Kakondo (see Kakondo cave), near SW shore of Lake Kivu		2° 16' 00" S 28° 51' 00" E	
Grotte de Katana (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Lubuka (see Lubuka cave)		3° 12' 00" S 28° 51' 00" E	
Grotte de Mahysha (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Mahyusha (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Mugaba (see Mugaba cave)	ca.	2° 19' 23" S 28° 31' 04" E	
Grottes de Bushokwe (see Bushokwe caves), Langara	ca.	2° 59' 27" S 28° 55' 29" E	
Grottoes de Bushokwe (see Bushokwe caves), Langara	ca.	2° 59' 27" S 28° 55' 29" E	
Ibebero			
Irangi, 10 km from (see Tshambutschu)	ca.	1° 58' 00" S 28° 30' 00" E	
Isoga		3° 20' 00" S 28° 12' 00" E	1266 m
Itombwe, Grand ebouli de Lemera (see also: Grand ebouli de Lemera, Lemera Great Sink)		4° 04' 00" S 28° 40' 00" E	
Kabale		2° 29' 48" S 28° 47' 27" E	2044 m
Kabare		2° 28' 00" S 28° 49' 00" E	2044 m
Kabira		2° 03' 00" S 28° 55' 00" E	1519 m
Kadjidji (see Kajuju)		2° 09' 00" S 28° 54' 00" E	1455 m
Kadjudju (see Kajuju)		2° 09' 00" S 28° 54' 00" E	1455 m
Kahuzi-Biega National Park		2° 00' 00" S 28° 45' 00" E	
Lurhogole Swamp area	ca.	2° 00' 00" S 28° 45' 00" E	
Mount Kahuzi, W slope		2° 12' 07" S 28° 40' 24" E	2560 m
Musisi swamp area	ca.	2° 00' 00" S 28° 45' 00" E	
Kajuchu (see Kajuju)		2° 09' 00" S 28° 54' 00" E	1455 m
Kajuju (see also: Kadjidji, Kadjudju, Kajuchu)		2° 09' 00" S 28° 54' 00" E	1455 m
Kakanda		3° 10' 00" S 28° 21' 00" E	1525 m
Kakindo cave (see Kakondo cave), near SW shore of Lake Kivu		2° 16' 00" S 28° 51' 00" E	
Kakindo grotte (see Kakondo cave), near SW shore of Lake Kivu		2° 16' 00" S 28° 51' 00" E	
Kakondo, near SW shore of Lake Kivu		2° 15' 00" S 28° 42' 00" E	3051 m
Kakondo cave, near SW shore of Lake Kivu (see also: Grotte de Kakindo, Grotte de Kakondo, Kakindo cave, Kakindo grotte, Kakondo grot)		2° 16' 00" S 28° 51' 00" E	
Kakondo grot (see Kakondo cave), near SW shore of Lake Kivu		2° 16' 00" S 28° 51' 00" E	
Kalehe territory	ca.	2° 06' 00" S 28° 55' 00" E	
Bukavu, 100 km W (see Irangi Forest)		1° 54' 00" S 28° 27' 00" E	
Forêt d'Irangi (see Irangi Forest)		1° 54' 00" S 28° 27' 00" E	
Irangi (see also: Irangi, slightly E of)		1° 54' 00" S 28° 27' 00" E	
Irangi bos (see Irangi Forest)		1° 54' 00" S 28° 27' 00" E	
Irangi Forest (see also: Bukavu, 100 km W, Forêt d'Irangi, Irangi bos)		1° 54' 00" S 28° 27' 00" E	
Irangi, 2 mi [=3.2 km] from (see Kasiba)	ca.	1° 54' 00" S 28° 27' 00" E	
Irangi, 3 mi [=4.8 km] from, on Irangi - Bukavu road	ca.	1° 54' 00" S 28° 27' 00" E	
Irangi, slightly E of (see Irangi), on road to Bukavu	ca.	1° 54' 00" S 28° 27' 00" E	
Kasiba, 2 mi [=3.2 km] from Irangi (see also: Irangi, 2 mi [=3.2 km] from)	ca.	1° 54' 00" S 28° 27' 00" E	
Kalimabenge River		3° 24' 38" S 29° 08' 42" E	
Kaliza [river] (see Kiliza [river]), near Kamitunga		3° 22' 16" S 28° 01' 22" E	
Kamituga		3° 03' 19" S 28° 10' 55" E	1207 m
Kamituga and Kampene, road between	ca.	3° 38' 26" S 27° 15' 46" E	
Kampala		2° 12' 00" S 27° 45' 00" E	1068 m
Kamusimbi		3° 01' 00" S 28° 13' 00" E	
Karambi		2° 45' 02" S 28° 38' 24" E	
Kasambongo (see also: Cape Cassa Mabongo)		3° 24' 00" S 29° 08' 00" E	
Katana, W shore Lake Kivu (see also: Liège Saint Lambert)		2° 13' 30" S 28° 49' 53" E	1595 m
Katana cave (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Katana grot (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m

Katshungu		2° 27' 00" S 27° 23' 00" E	1013 m
Kawezi-Uvira road	ca.	3° 19' 24" S 29° 09' 34" E	
Kibanda		3° 20' 00" S 27° 12' 00" E	688 m
Kihumba (see Kiumba)		1° 56' 25" S 29° 04' 47" E	1602 m
Kilemue		2° 53' 00" S 28° 07' 00" E	
Kilibozi		3° 03' 00" S 28° 09' 00" E	
Kiligi		2° 53' 00" S 28° 18' 00" E	
Kilitza [river] (see Kiliza [river]), near Kamitunga		3° 22' 16" S 28° 01' 22" E	
Kiliza [river], near Kamitunga		3° 22' 16" S 28° 01' 22" E	
(see also: Kaliza [river], Kilitza [river])			
Kilobono		3° 03' 00" S 28° 11' 00" E	
(see also: Kilobore, Kiloboze)			
Kilobore (see Kilobono)		3° 03' 00" S 28° 11' 00" E	
Kiloboze (see Kilobono)		3° 03' 00" S 28° 11' 00" E	
Kingulube		2° 38' 57" S 28° 01' 17" E	1238 m
Kisanga		0° 16' 00" N 29° 43' 00" E	960 m
Kisanga		2° 25' 00" S 28° 18' 00" E	
Kitongo		3° 46' 00" S 28° 11' 00" E	1400 m
Kitutu		3° 17' 14" S 28° 05' 08" E	1040 m
Kitwabaluzi		2° 53' 00" S 28° 35' 00" E	1543 m
Kiumba		1° 56' 25" S 29° 04' 47" E	1602 m
(see also: Kihumba)			
Kivu meer (see Lake Kivu)	ca.	2° 00' 00" S 28° 55' 00" E	
Kivu mountains	ca.	2° 00' 00" S 28° 45' 00" E	
Kivu, lac (see Lake Kivu)	ca.	2° 00' 00" S 28° 55' 00" E	
Kivu, lake (see Lake Kivu)	ca.	2° 00' 00" S 28° 55' 00" E	
Kivu, near	ca.	2° 00' 00" S 28° 45' 00" E	
Lac Kivu (see Lake Kivu)	ca.	2° 00' 00" S 28° 55' 00" E	
Lac Tanganyika, bord Nord-Ouest (see Lake Tanganyika, NW bank)	ca.	3° 20' 00" S 29° 12' 00" E	
Lai Lay (see Lailai)		1° 56' 55" S 28° 34' 19" E	1276 m
Lailai		1° 56' 55" S 28° 34' 19" E	1276 m
(see also: Lai Lay)			
Lake Kivu	ca.	2° 00' 00" S 28° 55' 00" E	
(see also: Kivu meer, Kivu, lac, Kivu, lake, Lac Kivu)			
Idjwi, island		2° 09' 00" S 29° 04' 00" E	1600 m
(see also: Île Idjwi)			
Bugarula, 6 km N (see Washiha Forest)	ca.	2° 00' 00" S 29° 04' 00" E	1500 m
Washiha Forest, 6 km N Bugarula	ca.	2° 00' 00" S 29° 04' 00" E	1500 m
(see also: Bugarula, 6 km N)			
Île Idjwi (see Idjwi, island)		2° 09' 00" S 29° 04' 00" E	1600 m
Irsac labo (see Luiro)		2° 14' 24" S 28° 47' 50" E	5400 ft
Labo Irsac (see Luiro)		2° 14' 24" S 28° 47' 50" E	5400 ft
Luiro		2° 14' 24" S 28° 47' 50" E	5400 ft
(see also: Irsac labo, Labo Irsac, Lwiro, Lwiro Katana, Mwiru)			
Lwiro (see Luiro)		2° 14' 24" S 28° 47' 50" E	5400 ft
Lwiro Katana (see Luiro)		2° 14' 24" S 28° 47' 50" E	5400 ft
Mwiru (see Luiro)		2° 14' 24" S 28° 47' 50" E	5400 ft
Lake Kivu, near	ca.	2° 00' 00" S 29° 10' 00" E	
Lake Tanganyika, NW bank	ca.	3° 20' 00" S 29° 12' 00" E	
(see also: Lac Tanganyika, bord Nord-Ouest, Tanganyika meer, NW oever, Tanganyika, lake, NW bank)			
Lemera		2° 08' 08" S 28° 49' 41" E	2281 m
Lemera Great Sink (see Itombwe)		4° 04' 00" S 28° 40' 00" E	
Lemera, SW of	ca.	2° 10' 00" S 28° 50' 00" E	8800 ft
Liège Saint Lambert (see Katana)		2° 13' 30" S 28° 49' 53" E	1595 m
Luberezi (see Luberizi)		2° 59' 00" S 29° 06' 00" E	957 m
Luberizi		2° 59' 00" S 29° 06' 00" E	957 m
(see also: Luberezi)			
Lubuka cave		3° 12' 00" S 28° 51' 00" E	
(see also: Grotte de Lubuka, Lubuka grot)			
Lubuka grot (see Lubuka cave)		3° 12' 00" S 28° 51' 00" E	
Luiko (see Lwiko)		3° 05' 00" S 28° 47' 00" E	
Lulimba		4° 41' 36" S 28° 37' 54" E	877 m
Lushala		2° 13' 00" S 28° 49' 00" E	
Luvungi		2° 52' 00" S 29° 02' 00" E	887 m
Lwana River	ca.	1° 56' 17" S 28° 28' 19" E	
Lwiko		3° 05' 00" S 28° 47' 00" E	
(see also: Luiko)			
Mabali		2° 20' 00" S 28° 50' 00" E	
Mahysha cave (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Mahysha grot (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Mahyusa Cave (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m

Mahyusha cave		2° 13' 00" S 28° 50' 00" E	1480 m
(see also: Grotte de Katana, Grotte de Mahysha, Grotte de Mahyusha, Katana cave, Katana grot, Mahysha cave, Mahysha grot, Mahyusa Cave, Mahyusha grot)			
Mahyusha grot (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Matale		2° 39' 17" S 28° 21' 55" E	1217 m
Mbelekelo		3° 20' 00" S 28° 04' 00" E	1100 m
Miki		3° 23' 46" S 28° 41' 41" E	2060 m
Misotschi-Kabogo Highlands		5° 06' 19" S 29° 03' 56" E	1880 m
Kabobo forest, 4 km SW Talama		4° 59' 29" S 29° 04' 49" E	1950 m
(see also: Talama, 4 km SW)			
Talama, 4 km SW (see Kabobo forest)		4° 59' 29" S 29° 04' 49" E	
Mugaba cave	ca.	2° 19' 23" S 28° 31' 04" E	
(see also: Grotte de Mugaba)			
Mugeri mission		2° 12' 00" S 28° 42' 00" E	1493 m
(see also: Petit seminaire de Mugeri)			
Mule		2° 24' 20" S 28° 33' 10" E	1936 m
Mulungu		2° 19' 00" S 28° 48' 00" E	1159 m
(see also: Mulungu Miti)			
Mulungu Kivu		2° 54' 00" S 27° 56' 00" E	1159 m
Mulungu Miti (see Mulungu)		2° 19' 00" S 28° 48' 00" E	1159 m
Mulungu-Tshibinda (see Tshibinda)		2° 19' 12" S 28° 45' 50" E	1918 m
Munga		3° 35' 00" S 28° 13' 00" E	
Mwanda		2° 13' 00" S 28° 51' 00" E	
Mwenga territory		3° 02' 00" S 28° 26' 00" E	
Mwenga		3° 02' 19" S 28° 25' 57" E	1643 m
Mwenge		3° 42' 00" S 28° 10' 00" E	1100 m
Niambasha		2° 07' 00" S 28° 54' 00" E	
Nkene		2° 16' 00" S 28° 47' 00" E	
Nyamunyunye		2° 21' 00" S 28° 49' 00" E	
Petit seminaire de Mugeri (see Mugeri mission)		2° 12' 00" S 28° 42' 00" E	1493 m
Rambira		2° 03' 00" S 28° 54' 00" E	
Rambura		1° 40' 00" S 29° 35' 00" E	
Sange		3° 05' 34" S 29° 14' 47" E	
Shabunda territory		2° 42' 00" S 27° 20' 00" E	
Bulundu	ca.	2° 42' 00" S 27° 20' 00" E	
Musenge		2° 42' 00" S 27° 02' 00" E	
Musenge		1° 37' 00" S 28° 18' 00" E	
Shabunda		2° 42' 00" S 27° 20' 00" E	596 m
Tanganyika meer, NW oever (see Lake Tanganyika, NW bank)	ca.	3° 20' 00" S 29° 12' 00" E	
Tanganyika, lake, NW bank (see Lake Tanganyika, NW bank)	ca.	3° 20' 00" S 29° 12' 00" E	
Topetope		2° 16' 00" S 28° 03' 00" E	1390 m
Tschambutscha (see Tshambutschu), 10 km from Irangi	ca.	1° 58' 00" S 28° 30' 00" E	
Tshambutschu, 10 km from Irangi	ca.	1° 58' 00" S 28° 30' 00" E	
(see also: Irangi, 10 km from, Tschambutscha)			
Tshibati		2° 14' 00" S 28° 47' 00" E	
Tshibinda		2° 19' 12" S 28° 45' 50" E	1918 m
(see also: Mulungu-Tshibinda)			
Uvira territory		3° 24' 00" S 29° 08' 00" E	
Uvinza (see Uvira)		3° 24' 24" S 29° 08' 45" E	746 m
Uvira		3° 24' 24" S 29° 08' 45" E	746 m
(see also: Uvinza)			
Sud Ubangui province			
(see also: South Ubangui province)			
Bwamanda [mission]		3° 10' 06" N 19° 14' 45" E	508 m
Duma, near Libenge/Ubangi		3° 53' 00" N 18° 41' 00" E	356 m
Gemena territory		3° 15' 00" N 19° 46' 00" E	
Gemena		3° 15' 00" N 19° 46' 00" E	555 m
Tandala		2° 58' 00" N 19° 21' 00" E	456 m
Bonzale		2° 57' 31" N 19° 22' 06" E	
Bozade		2° 56' 41" N 19° 17' 32" E	
Isato		3° 18' 00" N 18° 39' 00" E	323 m
Mondunga II chefferie			
Busu Mokalu (see Busu-Mokala)		2° 20' 00" N 20° 15' 00" E	
Busu-Mokala		2° 20' 00" N 20° 15' 00" E	
(see also: Busu Mokalu)			
Zongo		4° 20' 00" N 18° 35' 00" E	
Tanganika province (see Tanganyika province)			
Kakonda		5° 50' 00" S 28° 42' 00" E	800 m
Mpala		6° 45' 00" S 29° 31' 00" E	774 m
Musosa, near		8° 22' 00" S 29° 38' 00" E	

Tanganyika province			
(see also: Tanganika province)			
Albertstad (see Kalemie)		5° 56' 00" S 29° 12' 00" E	763 m
Albertville (see Kalemie)		5° 56' 00" S 29° 12' 00" E	763 m
Albertville-Moba (road?) (see Kalemie-Moba (road?))		5° 57' 00" S 29° 01' 00" E	
Ankoro		6° 45' 00" S 26° 57' 00" E	
Baudhuinville (see Moba)		7° 03' 00" S 29° 47' 00" E	763 m
Baudouinville (see Moba)		7° 03' 00" S 29° 47' 00" E	763 m
Boudewijnstad (see Moba)		7° 03' 00" S 29° 47' 00" E	763 m
Grotte de Lukatu (see Ntoto cave)		6° 59' 00" S 29° 43' 00" E	827 m
Kabalo territory		6° 03' 00" S 26° 55' 00" E	
Kabalo		6° 03' 00" S 26° 55' 00" E	530 m
Kafwe		8° 22' 00" S 29° 15' 00" E	1800 m
Kakonde		7° 52' 00" S 29° 43' 00" E	
Kalemi (see Kalemie)		5° 56' 00" S 29° 12' 00" E	763 m
Kalemie		5° 56' 00" S 29° 12' 00" E	763 m
(see also: Albertstad, Albertville, Kalemi)			
Kalemie territory		5° 56' 00" S 29° 12' 00" E	
Kabobo, mount		5° 04' 00" S 29° 00' 00" E	2440 m
(see also: Mount Kabobo)			
Mount Kabobo (see Kabobo, mount)		5° 04' 00" S 29° 00' 00" E	2440 m
Kalemie-Moba (road?)		5° 57' 00" S 29° 01' 00" E	
(see also: Albertville-Moba (road?))			
Kamuesha		6° 12' 00" S 21° 26' 00" E	608 m
(see also: Kamueshi, Kamwesha)			
Kamueshi (see Kamuesha)		6° 12' 00" S 21° 26' 00" E	608 m
Kamwesha (see Kamuesha)		6° 12' 00" S 21° 26' 00" E	608 m
Kiambi		7° 20' 00" S 28° 01' 00" E	607 m
Kikango, km 35 on route Moba Mplala		6° 37' 00" S 29° 30' 00" E	
(see also: Moba - Mplala road, km 35)			
Kongolo		5° 25' 00" S 27° 00' 00" E	
Lualaba River (see Mulongo)		7° 50' 00" S 27° 00' 00" E	578 m
Lukatu cave (see Ntoto cave)		6° 59' 00" S 29° 43' 00" E	827 m
Lukatu grot (see Ntoto cave)		6° 59' 00" S 29° 43' 00" E	827 m
Lukulu		7° 08' 00" S 27° 07' 00" E	573 m
Manono		7° 18' 00" S 27° 25' 00" E	664 m
(see also: Manono Katanga)			
Manono Katanga (see Manono)		7° 18' 00" S 27° 25' 00" E	664 m
Marunga mountains		7° 30' 00" S 29° 59' 00" E	5650 ft
Lubenge		7° 30' 00" S 29° 59' 00" E	5650 ft
Marungu, Qua Mpala [=Lualaba]		6° 43' 00" S 29° 31' 00" E	
Moba - Mplala road, km 35 (see Kikango)		6° 37' 00" S 29° 30' 00" E	
Moba territory		4° 18' 00" N 21° 11' 00" E	
Moba		7° 03' 00" S 29° 47' 00" E	763 m
(see also: Baudhuinville, Baudouinville, Boudewijnstad)			
Moliro		8° 13' 00" S 30° 34' 00" E	764 m
Mulombo (see Mulongo), on Lualaba river		7° 50' 00" S 27° 00' 00" E	578 m
Mulongo, on Lualaba river		7° 50' 00" S 27° 00' 00" E	578 m
(see also: Lualaba River, Mulombo)			
Nganza		7° 07' 00" S 29° 26' 00" E	
Ntoto cave		6° 59' 00" S 29° 43' 00" E	827 m
(see also: Grotte de Lukatu, Lukatu cave, Lukatu grot)			
Tembwe		6° 30' 00" S 29° 22' 00" E	1055 m
Tanganyika, Congo shore of lake	ca.	6° 00' 00" S 29° 11' 00" E	
Tshilinge (former) district (see Kasai Oriental province)			
Tshopo province			
Amadjabe		0° 04' 00" S 25° 17' 00" E	
Angumu		0° 07' 00" S 27° 42' 00" E	859 m
(see also: Angumu Etat)			
Angumu Etat (see Angumu)		0° 07' 00" S 27° 42' 00" E	859 m
Avakubi, left bank of Ituri river		1° 19' 00" N 27° 33' 00" E	589 m
Avakubi, near		1° 20' 00" N 27° 35' 00" E	
Babongena		0° 29' 23" N 25° 42' 21" E	469 m
Bafwasende territory		1° 05' 00" N 27° 16' 00" E	
Nepoko Bomili		1° 40' 00" N 27° 01' 00" E	
Banalia		1° 33' 00" N 25° 20' 00" E	432 m
Basoko		1° 14' 00" N 23° 36' 00" E	429 m
Basoko territory		1° 14' 00" N 23° 36' 00" E	
Elisabetha		1° 09' 00" N 23° 36' 00" E	428 m
(see also: Elizabetha)			
Elizabetha (see Elisabetha)		1° 09' 00" N 23° 36' 00" E	428 m
Moenge		2° 03' 00" N 22° 51' 54" E	508 m
Bomane (see Bomaneh)		1° 18' 00" N 23° 47' 00" E	429 m

Bomaneh		1° 18' 00" N 23° 47' 00" E	429 m
(see also: Bomane)			
Bomili		1° 40' 00" N 27° 01' 00" E	444 m
Bongandjola		1° 45' 17" N 25° 31' 04" E	508 m
Djabir		0° 32' 00" N 24° 05' 00" E	437 m
Elila		2° 43' 00" S 25° 53' 00" E	486 m
Fundi		0° 52' 00" N 27° 34' 00" E	
Ile de Kongolo (see Kongolo, island)		0° 03' 00" N 25° 12' 00" E	
Île Mafi (see Mafi, island)		0° 28' 20" N 25° 17' 00" E	
Île Mbiye (see Mbiye, island)		0° 27' 50" N 25° 17' 14" E	413 m
Kiavinionge (see Kyavinionge)		0° 07' 00" S 26° 36' 00" E	935 m
Kisangani		0° 31' 00" N 25° 12' 00" E	447 m
(see also: Singitini, Stanleystad, Stanleyville, Université de Kisangani, Faculté des Sciences, Zookis)			
Kisangani - Mambasa road, km 122 (see Maganga)		0° 51' 00" N 26° 22' 00" E	
Kisangani, 45 km E (see Tshakala)		0° 27' 27" N 25° 32' 05" E	453 m
Kisangani, zone	ca.	0° 30' 00" N 25° 12' 00" E	
Kongolo, island		0° 03' 00" N 25° 12' 00" E	
(see also: Ile de Kongolo)			
Konyola, near Kisangani		0° 03' 00" N 25° 12' 00" E	
Kyavinionge		0° 07' 00" S 26° 36' 00" E	935 m
(see also: Kiavinionge)			
Lieki		0° 41' 11" N 24° 11' 00" E	508 m
Mafi, island		0° 28' 20" N 25° 17' 00" E	
(see also: Île Mafi)			
Maganga, km 122 on Kisangani - Mambasa road		0° 51' 00" N 26° 22' 00" E	
(see also: Kisangani - Mambasa road, km 122, Mangangu)			
Makala		0° 33' 00" N 27° 45' 00" E	634 m
Mambaka		0° 51' 00" N 27° 33' 00" E	
Mangangu (see Maganga)		0° 51' 00" N 26° 22' 00" E	
Masako, 15 km from Buta		0° 36' 00" N 25° 13' 00" E	
(see also: Masako)			
Mbiye, island		0° 27' 50" N 25° 17' 14" E	413 m
(see also: Île Mbiye)			
M'gayu		1° 35' 00" N 27° 13' 00" E	
Obenge		1° 23' 00" S 25° 02' 00" E	
Panga		1° 51' 00" N 26° 25' 00" E	434 m
Pili Pili (see Pilipili)		0° 33' 00" N 27° 44' 00" E	
Pilipili		0° 33' 00" N 27° 44' 00" E	
(see also: Pili Pili)			
Risimu zone	ca.	1° 00' 00" N 26° 45' 00" E	
Rubi-Tele		2° 18' 31" N 24° 59' 21" E	
Sainte Elisabeth		1° 33' 00" N 25° 20' 00" E	432 m
Singitini (see Kisangani)		0° 31' 00" N 25° 12' 00" E	447 m
Stanleystad (see Kisangani)		0° 31' 00" N 25° 12' 00" E	447 m
Stanleyville (see Kisangani)		0° 31' 00" N 25° 12' 00" E	447 m
Tschakala (see Tshakala), 45 km E Kisangani		0° 27' 27" N 25° 32' 05" E	453 m
Tshakala, 45 km E Kisangani		0° 27' 27" N 25° 32' 05" E	453 m
(see also: Kisangani, 45 km E, Tschakala)			
Tshopo		0° 28' 00" N 25° 33' 00" E	
Tshopo falls		0° 33' 00" N 25° 11' 00" E	
(see also: Tshoppo falls)			
Tshoppo falls (see Tshopo falls)		0° 33' 00" N 25° 11' 00" E	
Uma		0° 32' 21" N 25° 54' 05" E	508 m
Université de Kisangani, Faculté des Sciences (see Kisangani)		0° 31' 00" N 25° 12' 00" E	447 m
Wagenia, near Kisangani		0° 23' 12" N 25° 12' 25" E	508 m
Weko Forest, NNE Yangambi		1° 00' 00" N 24° 33' 00" E	
Yaekela		0° 48' 12" N 24° 17' 39" E	508 m
Yaengo		0° 20' 56" N 24° 28' 55" E	400 m
Yangambi		0° 47' 00" N 24° 28' 00" E	437 m
Yangambi division forest		0° 47' 00" N 24° 24' 00" E	
Yaosuka		0° 45' 00" N 24° 29' 00" E	
Yatolema		0° 21' 22" N 24° 31' 09" E	508 m
Yoko		0° 17' 00" N 25° 17' 00" E	
Zookis (see Kisangani)		0° 31' 00" N 25° 12' 00" E	447 m
Tshuapa province			
Baliko		0° 16' 00" S 20° 49' 00" E	
Befale		0° 28' 00" N 20° 58' 00" E	393 m
Bionga		0° 34' 00" S 23° 00' 00" E	444 m
(see also: Biyonga)			
Biyonga (see Bionga)		0° 34' 00" S 23° 00' 00" E	444 m
Boangi		1° 51' 00" S 20° 56' 00" E	419 m
Boende		0° 13' 00" S 20° 52' 00" E	371 m

Boende, 14 km N by road (see Quatorze)		0° 10' 04" N 20° 55' 34" E	326 m
Bokungu		0° 41' 00" S 22° 19' 00" E	402 m
Bolobo		2° 09' 00" S 16° 14' 00" E	
Haut Tshuapa (see Tshuapa river, upper)		1° 00' 00" S 23° 02' 00" E	
Ikela territory		1° 11' 00" S 23° 16' 00" E	
Ikela		1° 11' 00" S 23° 16' 00" E	425 m
Yayama		1° 16' 00" S 23° 07' 00" E	456 m
Liondo		0° 55' 00" S 22° 41' 00" E	416 m
(see also: Loondo)			
Liondo		0° 47' 32" S 22° 38' 32" E	508 m
Loondo (see Liondo)		0° 55' 00" S 22° 41' 00" E	416 m
Loondo Mugunga		0° 42' 00" S 22° 41' 00" E	
Lotakamela		0° 13' 34" S 21° 57' 10" E	508 m
Mondombe		0° 53' 00" S 22° 45' 00" E	414 m
Quatorze, 14 km N Boende, by road		0° 10' 04" N 20° 55' 34" E	326 m
(see also: Boende, 14 km N by road)			
Tschuapa (see Tshuapa)		0° 14' 00" S 20° 42' 00" E	
Tshuapa		0° 14' 00" S 20° 42' 00" E	
(see also: Tschuapa)			
Tshuapa district		0° 13' 00" S 20° 52' 00" E	
Tshuapa river, upper		1° 00' 00" S 23° 20' 00" E	
(see also: Haut Tshuapa, Tshuapa, bovenloop)			
Tshuapa, bovenloop (see Tshuapa river, upper)		1° 00' 00" S 23° 02' 00" E	
Umangi [mission]		2° 07' 00" S 21° 24' 00" E	
Wafania		1° 21' 00" S 20° 20' 00" E	396 m
(see also: Wafanya)			
Wafanya (see Wafania)		1° 21' 00" S 20° 20' 00" E	396 m
Yalusaka		1° 05' 00" S 22° 58' 00" E	420 m
Yokamba Elongo		0° 01' 00" N 22° 17' 00" E	429 m
Uele [river]	ca.	3° 41' 00" N 26° 03' 00" E	
(see also: Welle [river])			
Upper Congo			
Upper Katanga province (see Haut Katanga province)			
Upper Lomani province (see Haut Lomami province)			
Upper Uele province (see Haut Uele province)			
Usambiers			
Welle [river] (see Uele [river])		4° 07' 11" N 22° 26' 08" E	
West Kasai (former) province (see Kasai Occidental (former) province), see Kasai or Lulua provinces			
Côte d'Ivoire			
(see also: Ivory Coast)			
"piste de Lamtu"			
Abidjan district			
Abidjan region			
Abidjan Plateau			
Bas-Sassandra district			
Bas-Sassandra (former) region			
Bouyo (see Buyo)		6° 16' 00" N 7° 03' 00" W	158 m
Buyo		6° 16' 00" N 7° 03' 00" W	158 m
(see also: Bouyo)			
Buyo, 15 km from	ca.	6° 16' 00" N 7° 03' 00" W	
Guidéko, Middle Sassandra River basin	ca.	5° 55' 00" N 6° 40' 00" W	
Niebe (see Niébé)		5° 22' 00" N 7° 18' 00" W	132 m
Niébé		5° 22' 00" N 7° 18' 00" W	132 m
(see also: Niebe)			
Sassandre department			
Soubré, 10 mi [=16 km] WNW		5° 49' 00" N 6° 45' 00" W	
(see also: Soubre, 10 mi WNW)			
Soubre, 10 mi WNW (see Soubré, 10 mi [=16 km] WNW)		5° 49' 00" N 6° 45' 00" W	
Zébé (see Zegban)		5° 09' 49" N 5° 35' 20" W	
Zegban		5° 09' 49" N 5° 35' 20" W	
(see also: Zébé, Zegbé)			
Zegbé (see Zegban)		5° 09' 49" N 5° 35' 20" W	
Gbôkle region			
Nawa region			
San-Pédro region			
Comoé district			
Indénié-Djuablin region			
Moyen-Comoé (former) region			
Abengourou		6° 43' 47" N 3° 29' 47" W	204 m
Abengourou department	ca.	6° 35' 00" N 3° 25' 00" W	
Appoube, near Appouesso, ca. 6 km E F.C. Bossematie		6° 33' 00" N 3° 26' 00" W	
(see also: Bossematié, ca. 6 km E)			
Blékoum		6° 22' 30" N 3° 32' 32" W	94 m

Bossematié, ca. 6 km E (see Appoube, near Appouesso)		6° 33' 00" N 3° 26' 00" W	
Abenguru (see Abenguru) (see also: Abenguru)		6° 43' 47" N 3° 29' 47" W	204 m
Sud-Comoé region			
Assine (see Assinie-Mafia)		5° 07' 29" N 3° 16' 30" W	
Assini (see Assinie-Mafia)		5° 07' 29" N 3° 16' 30" W	
Assinie (see Assinie-Mafia)		5° 07' 29" N 3° 16' 30" W	
Assinie-Mafia (see also: Assine, Assini, Assinie, Mafia)		5° 07' 29" N 3° 16' 30" W	
Ehania (see also: Ehanina)		5° 14' 00" N 2° 46' 00" W	70 m
Ehanina (see Ehania)		5° 14' 00" N 2° 46' 00" W	70 m
Mafia (see Assinie-Mafia)		5° 07' 29" N 3° 16' 30" W	
Denguélé district			
Denguélé (former) region			
Déoulé		7° 30' 23" N 7° 30' 19" W	640 m
Madinani mountains, E of (see also: Mandinani mountains, E of)	ca.	9° 37' 00" N 6° 57' 00" W	
Mandinani mountains, E of (see Madinani mountains, E of)	ca.	9° 37' 00" N 6° 57' 00" W	
Obienné-Sienso (see Odienné-Siènso)		9° 24' 49" N 7° 30' 56" W	452 m
Odienné-Siènso (see also: Obienné-Sienso, Sienso)		9° 24' 49" N 7° 30' 56" W	452 m
Ségélo-Koro (see also: Séguélo)		9° 24' 31" N 7° 09' 00" W	457 m
Séguélo (see Ségélo-Koro)		9° 24' 31" N 7° 09' 00" W	457 m
Sienso (see Odienné-Siènso)		9° 24' 49" N 7° 30' 56" W	452 m
Folon region			
Kabadougou region			
Fromager (former) region			
Oumé department			
Oumé (see also: Umé)		6° 23' 00" N 5° 25' 00" W	153 m
Umé (see Oumé)		6° 23' 00" N 5° 25' 00" W	153 m
Gôh-Djiboua district			
Gôh region			
Lôh-Djiboua region			
Lacs district			
Bélier region			
Iffou region			
Lacs (former) region			
Asakra (see Assakra), 15 km E Lomo (see also: El-Tûr)		6° 24' 00" N 4° 54' 00" W	193 m
Assakra, 15 km E Lomo (see also: Asakra, Lomo, 15 km E)		6° 24' 00" N 4° 54' 00" W	193 m
Kanan-Koffi-Kro (see Konankoffikro)		6° 58' 00" N 5° 14' 00" W	217 m
Konankoffikro (see also: Kanan-Koffi-Kro)		6° 58' 00" N 5° 14' 00" W	217 m
Konankoffikro (see Konankofikro)		6° 58' 16" N 5° 14' 41" W	217 m
Konankofikro (see also: Konankoffikro)		6° 58' 16" N 5° 14' 41" W	217 m
Lomo, 15 km E (see Assakra)		6° 24' 00" N 4° 54' 00" W	193 m
Toumodi department			
Toumodi		6° 33' 29" N 5° 01' 04" W	252 m
Toumodi sud		6° 33' 00" N 5° 01' 00" W	152 m
Toumodi, 5 km SE	ca.	6° 33' 00" N 5° 01' 00" W	
Moronou region			
N'zi region			
N'zi-Comoé (former) region			
Lagunes district			
Agnéby-Tiassa region			
Adzopé department			
Adzope (see Adzopé)		6° 06' 25" N 3° 51' 43" W	137 m
Adzopé (see also: Adzope)		6° 06' 25" N 3° 51' 43" W	137 m
Japo Sud (see Yapo Kra)		5° 49' 00" N 4° 08' 00" W	74 m
Yapo Kra (see also: Japo Sud, Yapo Sud, Yapo-Sud)		5° 49' 00" N 4° 08' 00" W	74 m
Yapo Sud (see Yapo Kra)		5° 49' 00" N 4° 08' 00" W	74 m
Yapo-Sud (see Yapo Kra)		5° 49' 00" N 4° 08' 00" W	74 m
Azagny National Park (see also: Parc National d'Azagny)		6° 13' 07" N 5° 15' 32" W	125 m
Gboyo village, near Azagny National Park		5° 14' 00" N 4° 47' 00" W	
Grands Ponts region			
La Mé (Massan) region			

Lagunes (former) region			
Abidjan department			
Abidan (see Abidjan)		5° 20' 28" N 4° 01' 41" W	74 m
Abidjan		5° 20' 28" N 4° 01' 41" W	74 m
(see also: Abidan)			
Abidjan, 15 km NW	ca.	5° 21' 00" N 4° 05' 00" W	
Abidjan, 17 km W	ca.	5° 21' 00" N 4° 05' 00" W	
Adiapo-Doumé, near Abidjan		5° 20' 12" N 4° 07' 57" W	73 m
(see also: Adiopo Doumé, Adiopodoume, Adiopodoumé)			
Adiopo Doumé (see Adiapo-Doumé), near Abidjan		5° 20' 12" N 4° 07' 57" W	73 m
Adiopodoume (see Adiapo-Doumé)		5° 20' 12" N 4° 07' 57" W	73 m
Adiopodoumé (see Adiapo-Doumé), near Abidjan		5° 20' 12" N 4° 07' 57" W	73 m
Cosrou		5° 19' 16" N 4° 39' 41" W	72 m
(see also: Cosru, Kosrou)			
Cosru (see Cosrou)		5° 19' 16" N 4° 39' 41" W	72 m
I.D.E.R.T.		5° 20' 00" N 4° 07' 00" W	
Kosrou (see Cosrou)		5° 19' 16" N 4° 39' 41" W	72 m
Ahiérémou		6° 14' 00" N 4° 56' 00" W	73 m
Anda		5° 10' 00" N 4° 39' 00" W	
Azaguié Makouguié		5° 37' 00" N 4° 10' 00" W	160 m
(see also: Macouguié, Makonguine)			
Banco Forest (see Banco, forêt de)		5° 25' 00" N 4° 03' 00" W	
Banco, forêt de		5° 25' 00" N 4° 03' 00" W	
(see also: Banco Forest)			
Bingerville		5° 21' 21" N 3° 53' 24" W	74 m
Jackeville-Bingerville (see Jacqueville-Bingerville, between)	ca.	5° 16' 00" N 4° 12' 00" W	
Jacqueville department			
Half Jack (see Jacqueville)		5° 12' 02" N 4° 24' 44" W	81 m
Jackville (see Jacqueville)		5° 12' 02" N 4° 24' 44" W	81 m
Jacqueville		5° 12' 02" N 4° 24' 44" W	81 m
(see also: Half Jack, Jackville)			
Jacqueville-Bingerville, between	ca.	5° 16' 00" N 4° 12' 00" W	
(see also: Jackeville-Bingerville)			
Kpakobo (see Pacobo)		6° 10' 03" N 4° 56' 14" W	75 m
Lac Lallie (see Lallie, Lake)		5° 20' 00" N 4° 00' 00" W	
Lake Lallie (see Lallie, Lake)		5° 20' 00" N 4° 00' 00" W	
Lallie, Lake		5° 20' 00" N 4° 00' 00" W	
(see also: Lac Lallie, Lake Lallie)			
l'Orumbo, near Lamto		6° 12' 00" N 4° 58' 00" W	
Macouguié (see Azaguié Makouguié)		5° 37' 00" N 4° 10' 00" W	160 m
Makonguine (see Azaguié Makouguié)		5° 37' 00" N 4° 10' 00" W	160 m
Pacobo		6° 10' 03" N 4° 56' 14" W	75 m
(see also: Kpakobo, Pakobo)			
Pakobo (see Pacobo)		6° 10' 03" N 4° 56' 14" W	75 m
Lamto		6° 12' 00" N 5° 02' 00" W	
Lamto Ecology Station, on Bandama River		6° 13' 00" N 5° 02' 00" W	
Lamto Reserve		6° 13' 00" N 5° 02' 00" W	
Lamto, 3 km from	ca.	6° 13' 00" N 5° 02' 00" W	
Parc National d'Azagny (see Azagny National Park)		6° 13' 07" N 5° 15' 32" W	125 m
Montagnes			
18 Montagnes (former) region (see Dix-Huit Monagnes (former) region)			
Danane department			
Flampleu		7° 16' 33" N 8° 02' 43" W	373 m
Gopoupleu		7° 26' 05" N 8° 17' 07" W	358 m
Matongouiné (see Matonguiné)		7° 17' 20" N 8° 02' 17" W	356 m
Matonguiné		7° 17' 20" N 8° 02' 17" W	356 m
(see also: Matongouiné)			
Mount Nimba		7° 36' 00" N 8° 25' 00" W	
Sassandra River		7° 00' 00" N 7° 03' 00" W	
Cavally region			
Moyen-Cavally (former) region			
Guiglo department			
Blodi		6° 47' 02" N 7° 17' 37" W	282 m
(see also: Blody)			
Blody (see Blodi)		6° 47' 02" N 7° 17' 37" W	282 m
Duekoue (see Duékoué)		6° 44' 17" N 7° 20' 35" W	271 m
Duékoué		6° 44' 17" N 7° 20' 35" W	271 m
(see also: Duekoue)			
Mount Peko National Park (see Parc National de Mont Peko)		6° 56' 00" N 7° 10' 00" W	
Parc National de Mont Peko, 6 km W Sibabli		6° 56' 00" N 7° 10' 00" W	
(see also: Mount Peko National Park, Sibabli, 6 km W)			

Sibabli, 6 km W (see Parc National de Mont Peko)		6° 56' 00" N 7° 10' 00" W	
Man department			
Kahen (see Kahin)		6° 54' 50" N 7° 37' 39" W	250 m
Kahin		6° 54' 50" N 7° 37' 39" W	250 m
(see also: Kahen)			
Mont Nimba (see Nimba, Mount)	ca.	7° 35' 00" N 8° 25' 00" W	
Mount Nimba (see Nimba, Mount)	ca.	7° 35' 00" N 8° 25' 00" W	
Nimba, Mount	ca.	7° 35' 00" N 8° 25' 00" W	
(see also: Mont Nimba, Mount Nimba)			
Parc National de Tai	ca.	5° 50' 00" N 7° 20' 50" W	
(see also: Taï National Park)			
Saibly		6° 33' 00" N 8° 02' 00" W	
Taï		5° 52' 25" N 7° 27' 19" W	252 m
Taï National Park (see Parc National de Tai)	ca.	5° 50' 00" N 7° 20' 50" W	
Toyébli		6° 37' 11" N 8° 28' 50" W	211 m
Dix-Huit Monagnes (former) region			
(see also: 18 Montagnes (former) region)			
Guémon region			
Tonkpi region			
Pelotes			
Sassandra-Marahoué district			
Haut-Sassandra region			
Marahoué region			
Saubre (see Soubré)		5° 46' 55" N 6° 36' 25" W	140 m
Soubré		5° 46' 55" N 6° 36' 25" W	140 m
(see also: Saubre)			
Savanes district			
Bagoué region			
Poro region			
Savanes (former) region			
Boundiali department			
Boundiali		9° 31' 18" N 6° 29' 13" W	444 m
(see also: Boundiouli)			
Boundiali, 2 km S	ca.	9° 31' 18" N 6° 29' 13" W	
Boundiouli (see Boundiali)		9° 31' 18" N 6° 29' 13" W	444 m
Yahama (see Yama)		9° 36' 02" N 6° 18' 38" W	430 m
Yama		9° 36' 02" N 6° 18' 38" W	430 m
(see also: Yahama)			
Kadioa (see Kadyoha)		8° 58' 00" N 5° 53' 00" W	429 m
Kadioa, near, on Bou river	ca.	8° 58' 00" N 5° 53' 00" W	
Kadioha (see Kadyoha)		8° 58' 00" N 5° 53' 00" W	429 m
Kadyoha		8° 58' 00" N 5° 53' 00" W	429 m
(see also: Kadioa, Kadioha)			
Kong		9° 09' 00" N 4° 37' 00" W	308 m
Korhogo department	ca.	9° 27' 00" N 5° 37' 00" W	ca. 400 m
Korhogo		9° 27' 00" N 5° 38' 00" W	426 m
Nor department			
Banama Blanc, near Tiebila		9° 45' 00" N 5° 50' 00" W	
Ouangofétini		9° 34' 00" N 4° 03' 00" W	312 m
Torgokaha		9° 23' 00" N 5° 38' 00" W	376 m
Tchologo region			
Sud-Bandama (former) region			
Divo department			
Boudougou (see Divo)		5° 50' 15" N 5° 21' 26" W	148 m
Divo		5° 50' 15" N 5° 21' 26" W	148 m
(see also: Boudougou)			
Guéboua		5° 59' 02" N 5° 41' 21" W	227 m
Lakota, 15 km N		5° 50' 00" N 5° 40' 00" W	
Tiegba			
Vallée du Bandama district			
Gbeke region			
Hambol region			
Vallée du Bandama (former) region			
Bouaké department			
Bouaké		7° 41' 00" N 5° 01' 59" W	312 m
(see also: Bwake)			
Bouaké, 25 km N		7° 55' 00" N 5° 00' 00" W	
Bwake (see Bouaké)		7° 41' 00" N 5° 01' 59" W	312 m
Dabakala		8° 22' 00" N 4° 26' 00" W	249 m
(see also: Dabakla)			
Dabakla (see Dabakala)		8° 22' 00" N 4° 26' 00" W	249 m
Fetekro (see Fétékro)		7° 49' 00" N 4° 41' 00" W	
Fétékro		7° 48' 35" N 4° 41' 22" W	157 m
(see also: Fetekro, Féttékro)			
Féttékro (see Fétékro)		7° 48' 35" N 4° 41' 22" W	157 m
Foro Foro		7° 59' 18" N 5° 03' 54" W	275 m

Katiola department		
Niakarama Kaha (see Niakaramandougou)	8° 40' 00" N 5° 17' 00" W	303 m
Niakaramadougou (see Niakaramandougou)	8° 40' 00" N 5° 17' 00" W	303 m
Niakaramandougou	8° 40' 00" N 5° 17' 00" W	303 m
(see also: Niakarama Kaha, Niakaramadougou, Niankaramadugu, Niankaramandougou)		
Niankaramadugu (see Niakaramandougou)	8° 40' 00" N 5° 17' 00" W	303 m
Niankaramandougou (see Niakaramandougou)	8° 40' 00" N 5° 17' 00" W	303 m
Woroba district		
Bafing region		
Bolo (see Booro)	8° 29' 00" N 7° 34' 00" W	456 m
Booro	8° 29' 00" N 7° 34' 00" W	
(see also: Bolo)		
Kienko (see Tyenko)	8° 14' 00" N 7° 34' 00" W	451 m
Tienko (see Tyenko)	8° 14' 00" N 7° 34' 00" W	451 m
Tyenko	8° 14' 00" N 7° 34' 00" W	451 m
(see also: Kienko, Tienko)		
Béré region		
Worodougou region		
Douna	8° 05' 33" N 6° 32' 35" W	302 m
Seguela department		
Tule (see Tulé)	7° 56' 00" N 6° 08' 00" W	
Tulé	7° 56' 05" N 6° 07' 51" W	393 m
(see also: Tule)		
Yamoussoukro district		
Yamoussoukro region		
Zanzan district		
Bounkani region		
Gontougo region		
Zanzan (former) region		
Bouna department		
Bouna	9° 16' 00" N 3° 00' 00" W	321 m
(see also: Buna)		
Buna (see Bouna)	9° 16' 00" N 3° 00' 00" W	321 m
Comoé National Park	8° 49' 21" N 3° 35' 26" W	
(see also: Forêt Classée et Réserve totale de la faune de Bouna, Komoe National Park, Parc National de Bouna, Parc National de la Comoé, Parc National de la Komoé, Parc National du Komoé, Reserve totale de faune de Bouna)		
Doropo	9° 49' 00" N 3° 20' 00" W	287 m
Forêt Classée et Réserve totale de la faune de Bouna (see Comoé National Park)	8° 49' 21" N 3° 35' 26" W	
Komoe National Park (see Comoé National Park)	8° 49' 21" N 3° 35' 26" W	
Korhogo, 180 km E	9° 27' 00" N 3° 59' 00" W	
Ouango Fetini (see Ouangofétini)	9° 34' 00" N 4° 03' 00" W	312 m
Ouangofétini	9° 34' 00" N 4° 03' 00" W	312 m
(see also: Ouango Fetini)		
Parc National de Bouna (see Comoé National Park)	8° 49' 21" N 3° 35' 26" W	
Parc National de la Comoé (see Comoé National Park)	8° 49' 21" N 3° 35' 26" W	
Parc National de la Komoé (see Comoé National Park)	8° 49' 21" N 3° 35' 26" W	
Parc National du Komoé (see Comoé National Park)	8° 49' 21" N 3° 35' 26" W	
Reserve totale de faune de Bouna (see Comoé National Park)	8° 49' 21" N 3° 35' 26" W	
Yabrasso	7° 26' 00" N 3° 29' 00" W	151 m
Côte Français des Somalis (see Djibouti)		
Côte occidentale de l'Afrique (see Africa, west coast)		
Cretschna		
Daba		
Dakoro, 10 km W (see Taïka valley)		
Daroli		
Dipker Island		
Djibouti		
(see also: Afars and Issas, Côte Français des Somalis, French Somaliland, Somali Française, Territoire Français d'Afas et Issas)		
Ali Sabieh region		
Obolléi Yar	11° 23' 37" N 43° 04' 56" E	218 m
(see also: Obolley Yar, Wadi Obolléï)		
Obolley Yar (see Obolléi Yar)	11° 23' 37" N 43° 04' 56" E	218 m
Wadi Obolléï	11° 10' 00" N 42° 44' 00" E	
Wadi Obolléï (see Obolléi Yar)	11° 23' 37" N 43° 04' 56" E	218 m
Arta region		
Dikhil region		

Ali Sabieh and Dikhil, between (see also: Ali Sabieh and Dikkit, between)	ca.	11° 08' 56" N 42° 32' 06" E	
Ali Sabieh and Dikkit, between (see Ali Sabieh and Dikhil, between)	ca.	11° 08' 56" N 42° 32' 06" E	
Djibouti region			
Amboua (see Ambouli)		11° 34' 10" N 43° 08' 12" E	9 m
Ambouli (see also: Amboua, Ambua, H_oumbouli)		11° 34' 10" N 43° 08' 12" E	9 m
Ambua (see Ambouli)		11° 34' 10" N 43° 08' 12" E	9 m
Djibouti (see also: Djibuti, Gibuti, Jibouti, Jibuti)		11° 35' 42" N 43° 08' 53" E	0 m
Djibuti (see Djibouti)		11° 35' 42" N 43° 08' 53" E	0 m
Gibuti (see Djibouti)		11° 35' 42" N 43° 08' 53" E	0 m
H_oumbouli (see Ambouli)		11° 34' 10" N 43° 08' 12" E	9 m
Jibouti (see Djibouti)		11° 35' 42" N 43° 08' 53" E	0 m
Jibuti (see Djibouti)		11° 35' 42" N 43° 08' 53" E	0 m
Obock region			
Hayyou (see Obock)		11° 57' 47" N 43° 17' 26" E	0 m
Obock (see also: Hayyou, Obok)		11° 57' 47" N 43° 17' 26" E	0 m
Obok (see Obock)		11° 57' 47" N 43° 17' 26" E	0 m
Tadjourah region			
Ardo	ca.	11° 49' 22" N 42° 40' 25" E	
Day Forest National Park	ca.	11° 46' 01" N 42° 39' 00" E	1400 m
Day, mount (see Mount Day)		11° 46' 01" N 42° 39' 00" E	1400 m
Mount Day (see also: Day, mount)		11° 46' 00" N 42° 39' 00" E	1471 m
Dume			
East Africa			
Great lakes area			
East coast of Africa (see Africa, east coast)			
Eastern Africa			
Egypt			
Abu Simbel (see Abu Sunbul)		22° 22' 00" N 31° 38' 00" E	193 m
Ad Daqahliyaj governorate (see also: Al Daqahliyah governorate |PC:DQ|)			
Al Isma`iliyah governorate (see also: Al Ismailiyah governorate |PC:IS|)			
Al IsPC:IS|)			
Al Uqsur governorate			
Beltim, Nile delta			
Cairo and Ismailia, between			
Cairo, Gizeh and Theben, between	ca.	25° 43' 00" N 32° 38' 00" E	
Deir al Bahari, Kings graves, near			
El WaPC:WJ|) (see also: Al-Kharga, El Khârga, El-Charge, Kharga Oasis, Temple of Hibis)			
Dûsh (see Izbat Dush)		24° 34' 00" N 30° 42' 00" E	77 m
Dush temple (see Izbat Dush), S of Baris		24° 34' 00" N 30° 42' 00" E	77 m
Ezbet Dush (see Izbat Dush)		24° 34' 00" N 30° 42' 00" E	77 m
Izbat Dush (see also: Dûsh, Dush temple, Ezbet Dush)		24° 34' 00" N 30° 42' 00" E	77 m
Frontier governorates			
Al Bahr-Al Ahmar governorate (see also: Red Sea governorate |PC:BA|)			
Abu Ra??al (see Bi'r Abu Ri?al)		25° 00' 00" N 33° 28' 00" E	
Abu Rihal, W of, 90 km E of Idfn Shalatein	ca.	25° 00' 00" N 33° 28' 00" E	
Al A'aqab (see also: El A'aqab)		24° 15' 00" N 32° 54' 00" E	252 m
Al Ghardaqah (see also: Al-Ghardaq, El-Ghardaqa, Hurghada, Urgada)		27° 08' 00" N 33° 50' 00" E	
Al Qusayr (see also: Koseir, Leucus Limen, Qosier, Qosseir, Quseir)		26° 06' 00" N 34° 17' 00" E	0 m
Al-Ghardaq (see Al Ghardaqah)		27° 08' 00" N 33° 50' 00" E	
Bi'r Abu Ri?al (see also: Abu Ra??al, Bîr Abu Rahâl)		25° 00' 00" N 33° 28' 00" E	
Bir Abraq		23° 25' 00" N 34° 47' 45" E	
Bîr Abu Rahâl (see Bi'r Abu Ri?al)		25° 00' 00" N 33° 28' 00" E	
Bir Kohila (see Bir Kohllq), Qattar mountains		27° 02' 47" N 33° 20' 37" E	
Bir Kohllq, Qattar mountains (see also: Bir Kohila)		27° 02' 47" N 33° 20' 37" E	
Bir Nagat, Qattar mountains	ca.	27° 06' 00" N 33° 22' 00" E	
El A'aqab (see Al A'aqab)		24° 15' 00" N 32° 54' 00" E	252 m
El-Ghardaqa (see Al Ghardaqah)		27° 08' 00" N 33° 50' 00" E	

Gebel Abraq			
Abu Sa‘fa Springs (see Abu Sa‘fah, Bi’r)		23° 18' 24" N 34° 47' 51" E	
Abu Sa‘fa, Bir (see Abu Sa‘fah, Bi’r)		23° 18' 24" N 34° 47' 51" E	
Abu Sa‘fah, Bi’r		23° 18' 24" N 34° 47' 51" E	
(see also: Abu Sa‘fa Springs, Abu Sa‘fa, Bir, Abu Saafa, Bir, Bir Abu Saafa)			
Abu Saafa, Bir (see Abu Sa‘fah, Bi’r)		23° 18' 24" N 34° 47' 51" E	
Bir Abu Saafa (see Abu Sa‘fah, Bi’r)		23° 18' 24" N 34° 47' 51" E	
Eastern desert of Egypt	ca.	22° 00' 00" N 35° 00' 00" E	
Hurghada (see Al Ghardaqah)		27° 08' 00" N 33° 50' 00" E	
Hurghada, 20 km S	ca.	27° 08' 00" N 33° 50' 00" E	
Korosko (see Kurusku)		24° 31' 00" N 33° 09' 00" E	119 m
Koseir (see Al Qusayr)		26° 06' 00" N 34° 17' 00" E	0 m
Kurusku		24° 31' 00" N 33° 09' 00" E	119 m
(see also: Korosko)			
Leucus Limen (see Al Qusayr)		26° 06' 00" N 34° 17' 00" E	0 m
Qosier (see Al Qusayr)		26° 06' 00" N 34° 17' 00" E	0 m
Qosseir (see Al Qusayr)		26° 06' 00" N 34° 17' 00" E	0 m
Quseir (see Al Qusayr)		26° 06' 00" N 34° 17' 00" E	0 m
Urgada (see Al Ghardaqah)		27° 08' 00" N 33° 50' 00" E	
Wadi El Qreiya		26° 20' 00" N 32° 46' 00" E	
Al Wadi -Al Jadid governorate			
(see also: El Wadi El Gedid governorate |PC:WJ|)			
Al Kharijah		25° 26' 00" N 30° 33' 00" E	32 m
Al Rashda (see Ar Rashidah)		25° 34' 57" N 28° 56' 28" E	104 m
Al-Kharga (see El Wadi El Gedid governorate)		25° 26' 00" N 30° 33' 00" E	32 m
Ar Rashidah		25° 34' 57" N 28° 56' 28" E	104 m
(see also: Al Rashda, El Rashda, Er Rashda, Rashida)			
Bulaq		25° 12' 00" N 30° 32' 00" E	36 m
Dakhla Oasis, 6 km N Mut		25° 29' 00" N 28° 59' 00" E	109 m
(see also: Mut, 6 km N, Nû, 6 km N)			
El Khârga (see El Wadi El Gedid governorate)		25° 26' 00" N 30° 33' 00" E	32 m
El Rashda (see Ar Rashidah)		25° 34' 57" N 28° 56' 28" E	104 m
El-Charge (see El Wadi El Gedid governorate)		25° 26' 00" N 30° 33' 00" E	32 m
Er Rashda (see Ar Rashidah)		25° 34' 57" N 28° 56' 28" E	104 m
Hindaw	ca.	25° 29' 00" N 28° 59' 00" E	
Kharga Oasis (see El Wadi El Gedid governorate)		25° 26' 00" N 30° 33' 00" E	32 m
Mut, 6 km N (see Dakhla Oasis)		25° 29' 00" N 28° 59' 00" E	109 m
Nû, 6 km N (see Dakhla Oasis)		25° 29' 00" N 28° 59' 00" E	109 m
Rashida (see Ar Rashidah)		25° 34' 57" N 28° 56' 28" E	104 m
Temple of Hibis (see El Wadi El Gedid governorate)		25° 26' 00" N 30° 33' 00" E	32 m
Wadi Netroon			
JanubPC:JS|)			
"Tor Sinai" (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
Ain el Furtaga (see El-Tûr)		29° 02' 44" N 34° 33' 10" E	
Ain Hudra (see Wadi Khu?rah)		29° 30' 46" N 34° 03' 25" E	
Ain Khudra (see Wadi Khu?rah)		29° 30' 46" N 34° 03' 25" E	
Aîn Sudr (see Ayn Sudr)		29° 48' 57" N 33° 06' 38" E	
Al-Tur (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
At Tur		28° 14' 14" N 33° 36' 50" E	17 m
(see also: "Tor Sinai", Al-Tur, El-Tor, El-Tur, Et Tor, Thur, Tor)			
Ayn al Furtajah (see El-Tûr)		29° 02' 44" N 34° 33' 10" E	
Ayn al Furtajah (see El-Tûr)		29° 02' 44" N 34° 33' 10" E	
Ayn Sudr		29° 48' 57" N 33° 06' 38" E	
(see also: Aîn Sudr)			
Ein Khudra (see Wadi Khu?rah)		29° 30' 46" N 34° 03' 25" E	
El Milga		28° 33' 22" N 33° 58' 33" E	
El-Tor (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
El-Tur (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
El-Tûr (see Asakra)		28° 14' 14" N 33° 36' 50" E	17 m
(see also: Ain el Furtaga , Ayn al Furtajah, Ayn al Furtajah)			
Et Tor (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
Fairan (see Wadi Fayran)		28° 40' 27" N 33° 15' 26" E	
Feiran Oasis (see Wa?at Fayran)		28° 43' 07" N 33° 37' 13" E	
Feiran Oasis, W edge		28° 43' 00" N 33° 37' 00" E	595 m
Jabal Musa		28° 32' 00" N 33° 59' 00" E	
Pharan (see Wa?at Fayran)		28° 43' 07" N 33° 37' 13" E	
Ras Abu el Darag, Gulf of Suez, Red Sea,		29° 33' 00" N 32° 33' 00" E	
Thur (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
Tor (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
Wadi El Feiran (see Wa?at Fayran)		28° 43' 07" N 33° 37' 13" E	
Wâdi el Khudara (see Wadi Khu?rah)		29° 30' 46" N 34° 03' 25" E	

Wadi Faran (see Wadi Fayran)		28° 40' 27" N 33° 15' 26" E	
Wadi Fayran		28° 40' 27" N 33° 15' 26" E	
(see also: Fairan, Wadi Faran, Wadi Feiran, Wadi Firan)			
Wadi Feiran (see Wadi Fayran)		28° 40' 27" N 33° 15' 26" E	
Wadi Firan (see Wadi Fayran)		28° 40' 27" N 33° 15' 26" E	
Wadi Gharandal			
Abu Zanimah, 18 km N, 4 km from sea		29° 02' 59" N 33° 06' 13" E	0 m
(see also: Abu Zenima, 18 km N, Abu Zuneim, 18 km N, Aby Zniema, 18 km N)			
Abu Zenima, 18 km N (see Abu Zanimah, 18 km N)		29° 02' 59" N 33° 06' 13" E	0 m
Abu Zuneim, 18 km N (see Abu Zanimah, 18 km N)		29° 02' 59" N 33° 06' 13" E	0 m
Aby Zniema, 18 km N (see Abu Zanimah, 18 km N)		29° 02' 59" N 33° 06' 13" E	0 m
Wâdi Khu?ara (see Wadi Khu?rah)		29° 30' 46" N 34° 03' 25" E	
Wadi Khu?rah		29° 30' 46" N 34° 03' 25" E	
(see also: Ain Hudra, Ain Khudra, Ein Khudra, Wâdi el Khudara, Wâdi Khu?ara)			
Wa?at Fayran		28° 43' 07" N 33° 37' 13" E	
(see also: Feiran Oasis, Pharan , Wadi El Feiran, Wa?at Firan)			
Wa?at Firan (see Wa?at Fayran)		28° 43' 07" N 33° 37' 13" E	
Janub Sina' governorate			
(see also: Janub Sina governorate |PC:JS|, South Sinai governorate |PC:JS|)			
Matruh governorate			
Al Qasr, 5 mi W Mersa Matruh		31° 22' 00" N 27° 07' 00" E	20 m
(see also: El Qasr, Mersa Matruh, 5 mi [=8 km] W)			
Bahig (see Bahij), West of Alexandria		30° 56' 00" N 29° 35' 00" E	2 m
Bahig (see Bahij), West of Alexandria		30° 56' 00" N 29° 35' 00" E	2 m
Bahij, West of Alexandria		30° 56' 00" N 29° 35' 00" E	2 m
(see also: Bahig, Bahig)			
El Guan, 1 mi W Mersa Matruh	ca.	31° 22' 00" N 27° 07' 00" E	
(see also: Mersa Matruh, 1 mi [=1.6 km] W)			
El Qasr (see Al Qasr), 5 mi W Mersa Matruh		31° 22' 00" N 27° 07' 00" E	20 m
El Qasr, 1 mi [=1.6 km] W (see El Sheikh Salem)	ca.	31° 22' 00" N 27° 07' 00" E	
El Sheikh Salem, 1 mi W El Qasr	ca.	31° 22' 00" N 27° 07' 00" E	
(see also: El Qasr, 1 mi [=1.6 km] W)			
Mersa Matruh, 1 mi [=1.6 km] W (see El Guan)	ca.	31° 22' 00" N 27° 07' 00" E	
Mersa Matruh, 15 mi [=24 km] NW (see Zawyet Umm El Rakham (island), 0.5 mi [=0.8 km])		31° 24' 00" N 27° 03' 00" E	
Mersa Matruh, 5 mi [=8 km] W (see Al Qasr)		31° 22' 00" N 27° 07' 00" E	20 m
Siuah (see Siwah)		29° 12' 00" N 25° 31' 00" E	-1 m
Siwa Oasis (see Siwah)		29° 12' 00" N 25° 31' 00" E	-1 m
Siwah		29° 12' 00" N 25° 31' 00" E	-1 m
(see also: Siuah, Siwa Oasis, Siwe)			
Siwe (see Siwah)		29° 12' 00" N 25° 31' 00" E	-1 m
Zawiyat Umm ar Rakham		31° 24' 00" N 27° 03' 00" E	5 m
(see also: Zawiyet Umm el Rakham, Zâwyet Umm el Rakham)			
Zawiyet Umm el Rakham (see Zawiyat Umm ar Rakham)		31° 24' 00" N 27° 03' 00" E	5 m
Zâwyet Umm el Rakham (see Zawiyat Umm ar Rakham)		31° 24' 00" N 27° 03' 00" E	5 m
Zawyet Umm El Rakham (island), 0.5 mi [=0.8 km], 15 mi NW Mersa Matruh		31° 24' 00" N 27° 03' 00" E	
(see also: Mersa Matruh, 15 mi [=24 km] NW)			
NorthPC:SS|)			
Red SPC:BA|)			
ShamaPC:SS|)			
Al Arish (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Al'Arish		31° 07' 34" N 33° 48' 07" E	33 m
(see also: Al Arish, City of Cut Noses, El Arish, El-'Arîsh, Rhinocolorum, Rhinocolura, Rhinocorura, Rhinokorura)			
City of Cut Noses (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
El Arish (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
El-'Arîsh (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Jebel Um Hashiba	ca.	30° 16' 44" N 33° 04' 57" E	
(see also: Um Hashiba)			
Rhinocolorum (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Rhinocolura (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Rhinocorura (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Rhinokorura (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Um Hashiba (see Jebel Um Hashiba)		30° 16' 44" N 33° 04' 57" E	

Shamal Sina' governorate (see also: North Sinai governorate |PC:SS|, Shamal Sina governorate |PC:SS|)			
SouthPC:JS|)			
Hersneh			
Lower Egypt			
Al Buhayrah governorate (see also: Beheira governorate |PC:BH|, Behera governorate |PC:BH|)			
Al Khatatibah (see also: El Kha?a?ba)		30° 23' 00" N 30° 50' 00" E	21 m
Cow Shed Royal Farms (see Idfina)		31° 17' 37" N 30° 30' 45" E	1 m
Edfina (see Idfina)		31° 17' 37" N 30° 30' 45" E	1 m
El Kha?a?ba (see Al Khatatibah)		30° 23' 00" N 30° 50' 00" E	21 m
Idfina (see also: Cow Shed Royal Farms, Edfina, Rosetta, 8 mi [=12.9 km] SW)		31° 17' 37" N 30° 30' 45" E	1 m
Kafr Da'ud (see also: Kafr Dâwûd)		30° 28' 00" N 30° 49' 00" E	12 m
Kafr Dâwûd (see Kafr Da'ud)		30° 28' 00" N 30° 49' 00" E	12 m
Kawm ?amadah (see also: Kôm ?amâda)		30° 45' 21" N 30° 41' 56" E	13 m
Kôm ?amâda (see Kawm ?amadah)		30° 45' 21" N 30° 41' 56" E	13 m
Rosetta, 8 mi [=12.9 km] SW (see Idfina)		31° 17' 37" N 30° 30' 45" E	1 m
Wadi an Natrun (see also: Wadi El Natroun, Wadi el Natrûn , Wadi en Natrun , Wadi Natroen, Wadi Natroon, Wadi Natrun, Wadi Netroon)		30° 25' 00" N 30° 13' 00" E	
Wadi El Natroun (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi el Natrûn (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi en Natrun (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi Natroen (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi Natroon (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi Natrun (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi Netroon (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Al DaPC:DQ|)			
Al Gharbiyah governorate (see also: Gharbia governorate |PC:GH|)			
Al MiPC:MF|) (see also: Menoufia governate)			
Al Minufiyah governorate (see also: Al Minufiyah governorate |PC:MF|)			
Al Qalyubiyah governorate (see Al Qalyubiyah governorate)			
Wadi Natrun, 12 mi W	ca.	30° 03' 00" N 31° 15' 00" E	
Zokila		30° 03' 00" N 31° 15' 00" E	
Zokilo cave, 12 mi W Wadi Natrun	ca.	30° 03' 00" N 31° 15' 00" E	
Al Qalyubiyah governorate (see also: Al Qalyubiyah governorate, Kalyoubia governorate |PC:QL|)			
As Ismailiyah governate (see also: Ismailia governate)			
Isthmus of Suez (see also: Suez, Isthmus)		30° 30' 00" N 32° 15' 00" E	
Suez, Isthmus (see Isthmus of Suez)		30° 30' 00" N 32° 15' 00" E	
Ash SPC:SQ|)			
Ash Sharqiyah governorate (see also: Ash Sharqiyah governorate |PC:SQ|, Sharkia governorate |PC:SQ|)			
BeheiPC:BH|)			
BeherPC:BH|)			
Dakahlia governorate(see Ballito-Westbrook)			
As Sinbillawayn (see also: As Sunbullawayn, El-Simbillâwein, Es Simbillawein, Simbilawein, Simbillawein)		30° 52' 55" N 31° 27' 47" E	11 m
As Sinbillawayn, 5 mi [=8 km] W (see also: Simbilawein, 5 mi [=8 km] W)	ca.	30° 53' 00" N 31° 28' 00" E	
As Sunbullawayn (see As Sinbillawayn)		30° 52' 55" N 31° 27' 47" E	11 m
El-Simbillâwein (see As Sinbillawayn)		30° 52' 55" N 31° 27' 47" E	11 m
Es Simbillawein (see As Sinbillawayn)		30° 52' 55" N 31° 27' 47" E	11 m
Manzala East		31° 10' 00" N 31° 56' 00" E	
Simbilawein (see As Sinbillawayn)		30° 52' 55" N 31° 27' 47" E	11 m
Simbilawein, 5 mi [=8 km] W (see As Sinbillawayn, 5 mi [=8 km] W)	ca.	30° 53' 00" N 31° 28' 00" E	
Simbillawein (see As Sinbillawayn)		30° 52' 55" N 31° 27' 47" E	11 m
DamiePC:DT|)			

DumyaPC:DT|)			
Dumyat governorate (see also: Damietta governorate |PC:DT|, Dumyat governorate |PC:DT|)			
GharbPC:GH|)			
Ismailia governate (see As Ismailiyah governate)			
Kafr ash Shaykh governorate (see also: Kafr-El-Sheikh governorate |PC:KS|)			
Kafr-PC:KS|)			
KalyoPC:QL|)			
Menoufia governate (see Al Minufiyah governorate)			
SharkPC:SQ|)			
Nile			
North Egypt			
Queir			
Sinai	ca.	29° 30' 00" N 34° 00' 00" E	
Arabia Petraea, South of line connection Aqaba and Suez			
southern Egypt			
Upper Egypt			
Al Fayyum governorate (see also: Fayoum governate)			
Al Lahun (see also: El Lâhûn, Gebel el Lahun, Lahun)		29° 13' 09" N 30° 58' 42" E	5 m
Bahr Qârûn (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Birkat Qarun (see also: Bahr Qârûn , Birkat Qaryn , Birket Qârûn, Karoun, lake, Lake Karoun, Lake Qarun, Qarun, lake)		29° 28' 29" N 30° 39' 55" E	
Birkat Qaryn (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Birket Qârûn (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
El Lâhûn (see Al Lahun)		29° 13' 09" N 30° 58' 42" E	5 m
Gebel el Lahun (see Al Lahun)		29° 13' 09" N 30° 58' 42" E	5 m
Karoun, lake (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Kawm Awshim (see Kawm Ushim)		29° 33' 23" N 30° 53' 13" E	-1 m
Kawm Awshim (see Kawm Ushim)		29° 33' 23" N 30° 53' 13" E	-1 m
Kawm Ushim (see also: Kawm Awshim, Kawm Awshim, Kom O Shim, Kom Omshin, Kom Oshim)		29° 33' 23" N 30° 53' 13" E	-1 m
Kom O Shim (see Kawm Ushim)		29° 33' 23" N 30° 53' 13" E	-1 m
Kom Omshin (see Kawm Ushim)		29° 33' 23" N 30° 53' 13" E	-1 m
Kom Oshim (see Kawm Ushim)		29° 33' 23" N 30° 53' 13" E	-1 m
Lahun (see Al Lahun) (see also: El Lisht, El-Lisht)		29° 13' 09" N 30° 58' 42" E	5 m
Lake Karoun (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Lake Moeris (see Moeris, Lake)		29° 33' 00" N 30° 42' 00" E	
Lake Qarun (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Lake Qarun, near	ca.	29° 28' 29" N 30° 39' 55" E	
Moeris, Lake (see also: Lake Moeris)		29° 33' 00" N 30° 42' 00" E	
Qarun, lake (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Saylah (see Silah)		29° 21' 22" N 30° 58' 08" E	2 m
Seila (see Silah)		29° 21' 22" N 30° 58' 08" E	2 m
Silah (see also: Saylah, Seila)		29° 21' 22" N 30° 58' 08" E	2 m
Sinnuris		29° 25' 00" N 30° 52' 00" E	17 m
Al JiPC:JZ|)			
Abu Ghaleb, 2 km N (see also: Abu Ghalib, 2 km N)	ca.	30° 16' 00" N 30° 56' 00" E	ca. 25 m
Abu Ghalib, 2 km N (see Abu Ghaleb, 2 km N)	ca.	30° 16' 00" N 30° 56' 00" E	ca. 25 m
Abu Sir		29° 53' 00" N 31° 13' 00" E	73 m
Abu Sir		29° 53' 00" N 31° 13' 00" E	73 m
Al Badrashayn (see also: Badrashên, El Badrshein, El-Badrshein)		29° 51' 00" N 31° 16' 00" E	21 m
Dahshur		29° 45' 00" N 31° 14' 00" E	21 m
Al Bahariya (see Al Wa?at al Ba?riyah)		28° 15' 00" N 28° 57' 00" E	
Al Jizah		30° 05' 10" N 31° 12' 44" E	17 m
Al Lisht		29° 34' 00" N 31° 14' 00" E	15 m
Al Lisht (see also: El-Lisht, Lisht)		29° 34' 00" N 31° 14' 00" E	15 m
Al Mansuriyah (see also: El Mansuriya, El-Man?ûrîya)		30° 08' 13" N 31° 04' 17" E	28 m
Al Mansuriyah, 4 km W (see also: El Mansuriya, 4 km W)	ca.	30° 08' 13" N 31° 04' 17" E	

Al Wahat al Bahriyah (see Al Wa?at al Ba?riyah) (see also: Baryeh Oasis)		28° 15' 00" N 28° 57' 00" E	
Al Wa?at al Ba?riyah (see also: Al Bahariya, Al Wahat al Bahriyah, Bahariya Oasis, Baharîya Oasis)		28° 15' 00" N 28° 57' 00" E	
Mandisha (see Mandishah) (see also: Bakkari, Minshat al Bakkari, Minshât el-Bakkâri)		28° 21' 00" N 28° 55' 00" E	122 m
Mandishah (see also: Mandisha)		28° 21' 00" N 28° 55' 00" E	122 m
Badrashên (see Al Badrashayn)		29° 51' 00" N 31° 16' 00" E	21 m
Bahariya Oasis (see Al Wa?at al Ba?riyah)		28° 15' 00" N 28° 57' 00" E	
Baharîya Oasis (see Al Wa?at al Ba?riyah)		28° 15' 00" N 28° 57' 00" E	
Bakkari (see Mandisha)		30° 01' 08" N 31° 08' 23" E	
Baryeh Oasis (see Al Wahat al Bahriyah)		28° 15' 00" N 28° 57' 00" E	
Cairo, near		29° 58' 00" N 31° 07' 00" E	
El Badrshein (see Al Badrashayn)		29° 51' 00" N 31° 16' 00" E	21 m
El Gezira (see Jazirat az Zamalik)		30° 03' 24" N 31° 13' 19" E	
El Gizeh		30° 05' 10" N 31° 12' 44" E	17 m
El Lisht (see Lahun)		29° 34' 00" N 31° 14' 00" E	15 m
El Mansuriya (see Al Mansuriyah)		30° 08' 13" N 31° 04' 17" E	28 m
El Mansuriya, 4 km W (see Al Mansuriyah, 4 km W)	ca.	30° 08' 13" N 31° 04' 17" E	
El-'Aiyat (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
El-Badrshein (see Al Badrashayn)		29° 51' 00" N 31° 16' 00" E	21 m
El-Gîza		30° 05' 10" N 31° 12' 44" E	17 m
El-Lisht (see Lahun)		29° 34' 00" N 31° 14' 00" E	15 m
El-Lisht (see Al Lisht)		29° 34' 00" N 31° 14' 00" E	15 m
El-Man?ûrîya (see Al Mansuriyah)		30° 08' 13" N 31° 04' 17" E	28 m
Gezira Island (see Jazirat az Zamalik)		30° 03' 24" N 31° 13' 19" E	
Gezîret el-Zamâlik (see Jazirat az Zamalik)		30° 03' 24" N 31° 13' 19" E	
Ghizeh		30° 05' 10" N 31° 12' 44" E	17 m
Giza (see Gîza)		30° 00' 29" N 31° 12' 39" E	22 m
Gîza (see also: Giza, Gizah, Gizeh)		30° 00' 29" N 31° 12' 39" E	22 m
Giza Pyramid		29° 59' 00" N 31° 08' 00" E	
Giza pyramids		29° 58' 00" N 31° 07' 00" E	
Giza pyramids area, old tomb W of Cheops pyramide		29° 59' 00" N 31° 08' 00" E	
Giza pyramids, 1 km N		29° 58' 00" N 31° 07' 00" E	
Giza pyramids, 2 km from		29° 58' 00" N 31° 07' 00" E	
Giza, near	ca.	30° 05' 10" N 31° 12' 44" E	
Gizah (see Gîza)		30° 00' 29" N 31° 12' 39" E	22 m
Gizeh (see Gîza), near Cairo		30° 00' 29" N 31° 12' 39" E	22 m
Great Pyramid		29° 58' 00" N 31° 07' 00" E	
Imbaba district		30° 03' 52" N 31° 04' 49" E	
Abu Rauwâsh (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Abu Rawash (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Abu Rawash, 2 km N	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rawash, 5 km W	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rawwash, 5 mi NW Giza (see also: Abu Rauwâsh, Abu Rawash, Abu Roash, Abu Ruwash, Aburoash, Ezbet Abu Rauwâsh, Ezbet Abu Roash, Giza, 5 mi [=8 km] NW)		30° 02' 44" N 31° 05' 33" E	6 m
Abu Rawwash, 2 km N	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rawwash, 5 km W	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Roash (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Abu Ruwash (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Abu-Rawash and the pyramids, between	ca.	30° 02' 00" N 31° 05' 00" E	
Aburoash (see Abu Rawwash)		30° 02' 44" N 31° 05' 33" E	6 m
Ezbet Abu Rauwâsh (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Ezbet Abu Roash (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Giza, 5 mi [=8 km] NW (see Abu Rawwash)	ca.	30° 02' 44" N 31° 05' 33" E	
Jazirah Island (see Jazirat az Zamalik)		30° 03' 24" N 31° 13' 19" E	
Jazirat az Zamalik (see also: El Gezira , Gezira Island , Gezîret el-Zamâlik, Jazirah Island)		30° 03' 24" N 31° 13' 19" E	
Lisht (see Al Lisht)		29° 34' 00" N 31° 14' 00" E	15 m
Minshat al Bakkari (see Mandisha)		30° 01' 08" N 31° 08' 23" E	
Minshât el-Bakkâri (see Mandisha)		30° 01' 08" N 31° 08' 23" E	
Munsha'at al Bakkari		30° 01' 08" N 31° 08' 23" E	
Sacarra pyramids (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Sakhara (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Sakkara (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Sakkara pyramids (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m

Sakkoura pyramids (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Saqqara (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
?aqqâra (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Saqqara pyramids (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Saqqarah		29° 51' 00" N 31° 13' 00" E	19 m
(see also: El-'Aiyat, Sacarra pyramids, Sakhara, Sakkara, Sakkara pyramids, Sakkoura pyramids, Saqqara, ?aqqâra, Saqqara pyramids)			
Tora		29° 56' 00" N 31° 16' 00" E	
Wardan		30° 19' 00" N 30° 54' 00" E	7 m
Al Jizah governorate			
(see also: Al Jizah governorate |PC:JZ|, Giza governorate |PC:JZ|)			
Al Bawiti		28° 20' 57" N 28° 51' 57" E	252 m
(see also: Al Bawiti, al-Bawiti, Bawiti, Bawiti, El Bawiti, El Bawîti)			
Al Bawiti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
al-Bawiti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
Bawiti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
Bawiti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
El Bawiti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
El Bawîti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
Al Minya governorate (see Al Minya governorate)			
(see also: Menia governate)			
Al Minya governorate			
(see also: Al Minya governorate)			
AswanPC:AN|)			
Abu Simbel (see Abu Sunbul)		22° 22' 00" N 31° 38' 00" E	193 m
Abu Simbil (see Abu Sunbul)		22° 22' 00" N 31° 38' 00" E	193 m
Abu Sinbil (see Abu Sunbul)		22° 22' 00" N 31° 38' 00" E	193 m
Abu Sumbul (see Abu Sunbul)		22° 22' 00" N 31° 38' 00" E	193 m
Abu Sunbul		22° 22' 00" N 31° 38' 00" E	193 m
(see also: Abu Simbel, Abu Simbel, Abu Simbil, Abu Sinbil, Abu Sumbul)			
Al A'qab		24° 15' 00" N 32° 54' 00" E	166 m
(see also: El A'agab, El A'qab)			
Appolinopolis Magna (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m
Appolonopolis Manga (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m
Assouan (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Assuan (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Aswân (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Aswan		24° 05' 15" N 32° 53' 56" E	85 m
(see also: Assouan, Assuan, Aswân, Es-Suan, Syena, Syene, Syeue)			
Aswan Tombs (see Aswan Tombs)	ca.	24° 05' 15" N 32° 53' 56" E	
Aswan Tombs	ca.	24° 05' 15" N 32° 53' 56" E	
(see also: Aswan Tombs)			
Edfou (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m
Edfu (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m
El A'agab (see Al A'qab)		24° 15' 00" N 32° 54' 00" E	166 m
El A'qab (see Al A'qab)		24° 15' 00" N 32° 54' 00" E	166 m
El Qatta		22° 43' 00" N 32° 04' 00" E	172 m
Es-Suan (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Gebel Adda		22° 16' 00" N 31° 36' 00" E	
Idfu		24° 58' 00" N 32° 52' 00" E	86 m
(see also: Appolinopolis Magna, Appolonopolis Manga, Edfou, Edfu, Idfu Bahari, Idfu Bahri)			
Idfu Bahari (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m
Idfu Bahri (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m
Kawn Ombo (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Kawn Umbu		24° 28' 45" N 32° 56' 37" E	109 m
(see also: Kawn Ombo, Kôm Ombo, Kum Ombu, Omboi, Ombos, Umbu)			
Kôm Ombo (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Kum Ombu (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Madara (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Marsá Matru?		31° 21' 00" N 27° 14' 00" E	40 m
(see also: Madara, Matru?, Mersa Matrouh, Mersa Ma?rû?, Mhadara, Paraetonium)			
Marsa Matruh, 20 mi [=32 km] W		31° 21' 00" N 26° 53' 34" E	
(see also: Mersa Matruh, 20 mi [=32 km] W)			
Marsa Matruh, near	ca.	31° 21' 00" N 27° 14' 00" E	
(see also: Mersa Matruh, near)			
Matru? (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Mersa Matrouh (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Mersa Ma?rû? (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m

Mersa Matruh, 20 mi [=32 km] W (see Marsa Matruh, 20 mi [=32 km] W)		31° 21' 00" N 26° 53' 34" E	
Mersa Matruh, near (see Marsa Matruh, near)	ca.	31° 21' 00" N 27° 14' 00" E	
Mhadara (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Nag Misaw, Abu Simbel East		22° 22' 00" N 31° 42' 00" E	
Omboi (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Ombos (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Paraetonium (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Qattah		22° 43' 00" N 32° 04' 00" E	172 m
Syena (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Syene (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Syeue (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Umbu (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Aswan governorate (see also: Aswan governorate |PC:AN|)			
Dehmit (see Dihmit)		23° 47' 00" N 32° 55' 00" E	252 m
Dihmit (see also: Dehmit, Dihmit, Dilunit)		23° 47' 00" N 32° 55' 00" E	252 m
Dihmit (see Dihmit)		23° 47' 00" N 32° 55' 00" E	252 m
Dilunit (see Dihmit)		23° 47' 00" N 32° 55' 00" E	252 m
AsyiuPC:AT|)			
Al Ma'abidah (see also: El Ma`abda, El Ma‘âbda, El Maabdeh, cave)		27° 20' 20" N 31° 01' 30" E	47 m
Al Walidiyah (see also: El Wilidiya)		27° 12' 00" N 31° 10' 00" E	35 m
Durunka (see Durunkah)		27° 08' 19" N 31° 10' 31" E	64 m
Durunkah (see also: Durunka)		27° 08' 19" N 31° 10' 31" E	64 m
El Ma`abda (see Al Ma'abidah)		27° 20' 20" N 31° 01' 30" E	47 m
El Ma‘âbda (see Al Ma'abidah)		27° 20' 20" N 31° 01' 30" E	47 m
El Maabdeh, cave (see Al Ma'abidah)		27° 20' 20" N 31° 01' 30" E	47 m
El Wilidiya (see Al Walidiyah)		27° 12' 00" N 31° 10' 00" E	35 m
Jebel Drunka		27° 07' 00" N 31° 10' 00" E	
Asyut governorate (see also: Asyiut governorate |PC:AT|)			
Bani Suwayf governorate (see also: Beni Suwayf governorate |PC:BN|, Beni-Suef governorate |PC:BN|)			
Bani Suwayf (see also: Bani Suwayf, Bani Szuvajf kormányzóság, Beni Souef, Beni Sue, Beni Suef, Beni Suweif)		29° 04' 28" N 31° 05' 52" E	24 m
Bani Suwayf (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Bani Szuvajf kormányzóság (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Beni Souef (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Beni Sue (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Beni Suef (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Beni Suweif (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Maidum (see Maydum pyramids)		29° 22' 24" N 31° 10' 20" E	11 m
Maidum pyramids (see Maydum pyramids)		29° 22' 24" N 31° 10' 20" E	11 m
Maydum (see Maydum pyramids)		29° 22' 24" N 31° 10' 20" E	11 m
Maydum pyramids (see also: Maidum, Maidum pyramids, Maydum)		29° 22' 24" N 31° 10' 20" E	11 m
BeniPC:BN|)			
Heracleopolis Magna		29° 05' 21" N 30° 56' 28" E	37 m
Herakleouspolis Magna		29° 05' 21" N 30° 56' 28" E	37 m
Herakleouspolis Megalé		29° 05' 21" N 30° 56' 28" E	37 m
Hierakopolis		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasiyat al Madinah		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madina		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madinah		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madinah		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya el Madîna		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasyat al Madinah		29° 05' 21" N 30° 56' 28" E	37 m
Beni-PC:BN|)			
Fayoum governate (see Al Fayyum governorate)			
Al Fayyum (see also: Arsinoë, Crocodilopolis, El Faiyûm, Faiyoum, Fayoom, Fayoum, Fayoum, caves, Fayum, Fayyoum, Fayyum, Madinet el Faiyum, Médinat el-Fayoum, Medinat Fayum, Medinet el Fayum, Shedit)		29° 18' 28" N 30° 50' 24" E	39 m
Al Wayet Shakshuk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Al-Wayet Shakshuk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Arsinoë (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m

Crocodilopolis (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
El Faiyûm (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
El Wâyet Shakshuk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Faiyoum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayoom (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayoum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayoum, caves (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayyoum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayyum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Madinet el Faiyum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Médinat el-Fayoum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Medinat Fayum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Medinet el Fayum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Shak Shouk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Shakshouk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Shakshuk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Shakshuk (see also: Al Wayet Shakshuk, Al-Wayet Shakshuk, El Wâyet Shakshuk, Shak Shouk, Shakshouk, Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Shedit (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Shenhour		29° 21' 00" N 30° 58' 00" E	
GizaPC:JZ|)			
Menia governate (see Al Minya governorate)			
QenaPC:QN|)			
QinaPC:QN|)			
Al Karnak, near Luxor (see also: El Karnak, El Kharnâk, Karnak Great Temple)		25° 41' 00" N 32° 39' 00" E	
Al Uqsur (see also: El Aqsur, El Kusur, El Qusur, El Uqsor, El-Aksur, Louksor, Luksor, Luqsor, Luxor)		25° 41' 00" N 32° 39' 00" E	76 m
Queen Hatchipsat Tomb		25° 41' 00" N 32° 39' 00" E	
Valley of the Kings, Luxor		25° 44' 00" N 32° 36' 00" E	
Asna (see Isna)		25° 17' 36" N 32° 33' 14" E	
Dandarah (see also: Dandera, Denderah, Denderah temple, Tentyra)		26° 10' 09" N 32° 39' 19" E	67 m
Dandera (see Dandarah)		26° 10' 09" N 32° 39' 19" E	67 m
Denderah (see Dandarah)		26° 10' 09" N 32° 39' 19" E	67 m
Denderah temple (see Dandarah)		26° 10' 09" N 32° 39' 19" E	67 m
El Aqsur (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
El Karnak (see Al Karnak), near Luxor		25° 41' 00" N 32° 39' 00" E	
El Kharnâk (see Al Karnak), near Luxor		25° 41' 00" N 32° 39' 00" E	
El Kusur (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
El Qusur (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
El Uqsor (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
El-Aksur (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
Esna (see Isna)		25° 17' 36" N 32° 33' 14" E	
Esneh (see Isna)		25° 17' 36" N 32° 33' 14" E	
Gebel el Hagif (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Isna (see also: Asna, Esna, Esneh, Latónpolis, Latopolia, Latopolis)		25° 17' 36" N 32° 33' 14" E	
Karnak Great Temple (see Al Karnak), near Luxor		25° 41' 00" N 32° 39' 00" E	
Khayzan, 16 km NE Luxor (see also: Luxor, 16 km NE)		25° 41' 00" N 32° 24' 00" E	
Latónpolis (see Isna)		25° 17' 36" N 32° 33' 14" E	
Latopolia (see Isna)		25° 17' 36" N 32° 33' 14" E	
Latopolis (see Isna)		25° 17' 36" N 32° 33' 14" E	
Louksor (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
Luksor (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
Luqsor (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
Luxor (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
Luxor, 16 km NE (see Khayzan)		25° 41' 00" N 32° 24' 00" E	
Luxor, near	ca.	25° 41' 00" N 32° 39' 00" E	
Nag Hamadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Nag Hamady (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Nag' Hammadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Nag' Hammadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Nag Hammadi, 16 km S (see Naj' ?ammadi, 16 km S)		25° 54' 00" N 32° 15' 00" E	
Naga Hamadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Naj' al Hammadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Naj' al ?ammadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m

Naj' ?ammadi (see also: Gebel el Hagif, Nag Hamadi, Nag Hamady, Nag' Hammadi, Nag' Hammadi, Naga Hamadi, Naj' al Hammadi, Naj' al ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Naj' ?ammadi, 16 km S (see also: Nag Hammadi, 16 km S)		25° 54' 00" N 32° 15' 00" E	
Tentyra (see Dandarah)		26° 10' 09" N 32° 39' 19" E	67 m
Thebe (see Thebes)		25° 41' 59" N 32° 34' 55" E	
Thebes, near Luxor (see also: Thebe)		25° 41' 59" N 32° 34' 55" E	
West Bank, Valley of the Kings, Tomb of Hutschepsut, near Luxor	ca.	25° 41' 00" N 32° 39' 00" E	
Qina governorate (see also: Qena governorate |PC:QN|, Qina governorate |PC:QN|)			
SuhajPC:SJ|)			
Suhaj governorate (see also: Suhaj governorate |PC:SJ|)			
Urban governorates			
Al Iskandariyah governorate (see also: Alexandria governorate |PC:IK|)			
Al Iskandariyah (see also: Alessandria, Alexandria, Alexandrie, El Iskandariya, Iskandarîya, Iskindiriya)		31° 11' 53" N 29° 55' 09" E	4 m
Alessandria (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
Alexandria (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
Alexandria, 40 km W (see Burj al'Arab)		30° 55' 00" N 29° 32' 00" E	9 m
Alexandrie (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
Bu?ayrat Maryut (see also: El Maryût, Lac Maréotis, Lake Mariout, Lake Mariut, Lake Marout, Lake Maryut, Maréotis, Mariout, lake, Mariut, lake, Marout, lake, Maryut, lake)		31° 09' 27" N 29° 54' 16" E	
Bu?ayrat Maryut, SW of (see also: Maréotis, SW of lake)	ca.	31° 09' 27" N 29° 54' 16" E	
Burg el'Arab (see Burj al'Arab)		30° 55' 00" N 29° 32' 00" E	9 m
Burgh-El-Arab (see Burj al'Arab)		30° 55' 00" N 29° 32' 00" E	9 m
Burj al'Arab, 40 km W Alexandria (see also: Alexandria, 40 km W, Burg el'Arab, Burgh-El-Arab)		30° 55' 00" N 29° 32' 00" E	9 m
El Iskandariya (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
El Maryût (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Ikingi Mariut (see Ikinji Maryut)		30° 59' 33" N 29° 46' 00" E	23 m
Ikingi Maryut (see Ikinji Maryut)		30° 59' 33" N 29° 46' 00" E	23 m
Ikinj Maryut (see Ikinji Maryut)		30° 59' 33" N 29° 46' 00" E	23 m
Ikinji Maryut (see also: Ikingi Mariut, Ikingi Maryut, Ikinj Maryut)		30° 59' 33" N 29° 46' 00" E	23 m
Iskandarîya (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
Iskindiriya (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
Lac Maréotis (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Lake Mariout (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Lake Mariut (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Lake Marout (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Lake Maryut (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Maréotis (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Maréotis, SW of lake (see Bu?ayrat Maryut, SW of)	ca.	31° 09' 27" N 29° 54' 16" E	
Mariout, lake (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Mariut, lake (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Marout, lake (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Maryut, lake (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Al Qahirah governorate (see also: Cairo governorate |PC:QH|)			
Abbasieh (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
'Abbâsîya (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
'Abbasiyah (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
'Abbâsîyeh (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
Abbassia (see also: Abbasieh, 'Abbâsîya, 'Abbasiyah, 'Abbâsîyeh, Al 'Abbasiyah, El 'Abbasiya)		30° 04' 00" N 31° 17' 00" E	45 m
Al 'Abbasiyah (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
Al Jabal al Ahmar (see Al Jabal al A?mar) (see also: Gebel el Ahmar, Jebel Ahmar)		30° 03' 00" N 31° 18' 00" E	
Al Jabal al A?mar (see also: Al Jabal al Ahmar, El Gebel el Ahmar , El Jebel el Ahmar, Gebel el Ahmar)		30° 03' 00" N 31° 18' 00" E	

Al Ma‘adi		29° 58' 00" N 31° 15' 00" E	
(see also: El Ma‘adi , Maadi, Ma'adi, Ma'adi al Khabiri , Ma'âdi el-Khabîri , Ma'âdi el-Khahîri , Meadi)			
Al Ma'adi, 8 mi [=12.8 km] from (see Wadi Digla), 8 mi [=12.8 km] from Maadi		29° 58' 00" N 31° 18' 00" E	
Al Qahirah		30° 03' 00" N 31° 15' 00" E	22 m
(see also: Cairo, Cairo Citadel, El Kahira, El Kahirah, El-Qâhira, Kairo, Le Caire, Masr, Misr)			
Sultan Hassan Mosque, Cairo	ca.	30° 03' 00" N 31° 15' 00" E	
Al-Fustat (see Misr al Qadimah)		30° 01' 00" N 31° 14' 00" E	16 m
Cairo (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Cairo Citadel (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Cairo, 20 km S	ca.	30° 03' 00" N 31° 15' 00" E	
(see also: Cairo, 20 km S)			
Cairo, 20 km S (see Cairo, 20 km S)	ca.	30° 03' 00" N 31° 15' 00" E	
Cairo, 20 mi [=32 km] E	ca.	30° 03' 00" N 31° 15' 00" E	
Cairo, 5 km E	ca.	30° 03' 00" N 31° 15' 00" E	
El 'Abbasiya (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
El Fostat (see Misr al Qadimah)		30° 01' 00" N 31° 14' 00" E	16 m
El Fustat (see Misr al Qadimah)		30° 01' 00" N 31° 14' 00" E	16 m
El Gebel el Ahmar (see Al Jabal al A?mar)		30° 03' 00" N 31° 18' 00" E	
El Jebel el Ahmar (see Al Jabal al A?mar)		30° 03' 00" N 31° 18' 00" E	
El Kahira (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
El Kahirah (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
El Ma‘adi (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
El-Qâhira (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Gebel el Ahmar (see Al Jabal al A?mar)		30° 03' 00" N 31° 18' 00" E	
Gebel el Ahmar (see Al Jabal al Ahmar)		30° 03' 00" N 31° 18' 00" E	
Halwan, near Giza		29° 51' 00" N 31° 20' 00" E	71 m
(see also: Helonan, Helouan, Hélouan-les-Bains, Helvan, Helwân, Hilwan, Hulwan, Les Bains)			
Helonan (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Helouan (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Hélouan-les-Bains (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Helvan (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Helwân (see Halwan), near Giza, Wadi Hof		29° 51' 00" N 31° 20' 00" E	71 m
Hilwan (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Hulwan (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Jebel Ahmar (see Al Jabal al Ahmar)		30° 03' 00" N 31° 18' 00" E	
Kairo (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Le Caire (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Les Bains (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Maadi (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Ma'adi (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Ma'adi al Khabiri (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Ma'âdi el-Khabîri (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Ma'âdi el-Khahîri (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Maadi, 8 mi [=12.8 km] from (see Wadi Digla), 8 mi [=12.8 km] from Maadi		29° 58' 00" N 31° 18' 00" E	
(see also: Mount Nimba East)			
Masr (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Masr al-Qadimah (see Misr al Qadimah)		30° 01' 00" N 31° 14' 00" E	16 m
Meadi (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Misr (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Misr al Qadimah		30° 01' 00" N 31° 14' 00" E	16 m
(see also: Al-Fustat, El Fostat, El Fustat, Masr al-Qadimah, Old Cairo)			
Old Cairo (see Misr al Qadimah)		30° 01' 00" N 31° 14' 00" E	16 m
Sultan Mahmud Mosque, Cairo		30° 03' 00" N 31° 15' 00" E	
Wadi Digla, 8 mi [=12.8 km] from Maadi		29° 58' 00" N 31° 18' 00" E	
(see also: Al Ma‘adi, 8 mi [=12.8 km] from, Maadi, 8 mi [=12.8 km] from)			
Wadi ?awf		29° 53' 00" N 31° 18' 00" E	
(see also: Wâdi ?ôf)			
Wâdi ?ôf (see Wadi ?awf)		29° 53' 00" N 31° 18' 00" E	
(see also: Wâdi Umm ‘Iliq)			
Wâdi Umm ‘Iliq (see Wâdi ?ôf)		29° 53' 00" N 31° 18' 00" E	
AlexaPC:IK|)			
As Suways governorate			
(see also: Suez governorate |PC:SW|)			
Al Qulzum (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
As Suways		29° 58' 00" N 32° 33' 00" E	2 m
(see also: Al Qulzum, Clysma, El Seweis, El Suweis, El-Qulzum, Es Suweis, Klysma, Suës, Suez)			

Ataka Mountains (see Ataqah, Jabal), near Suez		29° 55' 00" N 32° 20' 00" E	
Ataqah, Jabal, near Suez		29° 55' 00" N 32° 20' 00" E	
(see also: Ataka Mountains, Jabal Ataqah)			
Clysma (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
El Seweis (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
El Suweis (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
El-Qulzum (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Es Suweis (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Jabal Ataqah (see Ataqah, Jabal), near Suez		29° 55' 00" N 32° 20' 00" E	
Klysma (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Suës (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Suez (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Suez area		29° 58' 00" N 32° 33' 00" E	
Bur Sa`id governorate			
(see also: Bur Said governorate |PC:BS|, Port Said governorate |PC:BS|)			
Bur SPC:BS|)			
Barr ash Sharqiyah (see Barr el-Sharqiya)		31° 00' 55" N 32° 03' 45" E	
Barr el-Sharqiya		31° 00' 55" N 32° 03' 45" E	
(see also: Barr ash Sharqiyah, Sharqiya)			
Lake Manzala, 10 mi S Port Said		31° 17' 00" N 32° 18' 00" E	
(see also: Manzala, lake, Port Said, 10 mi [=16 km] S)			
Manzala, lake (see Lake Manzala), 10 mi S Port Said		31° 17' 00" N 32° 18' 00" E	
Port Said, 10 mi [=16 km] S (see Lake Manzala)		31° 17' 00" N 32° 18' 00" E	
Port Said, 8 km S	ca.	31° 17' 00" N 32° 18' 00" E	
Sharqiya (see Barr el-Sharqiya)		31° 00' 55" N 32° 03' 45" E	
Cairo and Ismaila, between		30° 00' 00" N 31° 00' 00" E	
CairoPC:QH|)			
PortPC:BS|)			
SuezPC:SW|)			
Engeremgere			
Epoulan			
Equatorial Guinea			
Attogondama			
Benito River Forest station			
Beoken Noja (see Noya river)			
Boara River (see Río Boara)		1° 47' 34" N 9° 45' 39" E	
Buara River (see Río Boara)		1° 47' 34" N 9° 45' 39" E	
Continental region			
Centro Sur province			
Akurinam, 10 km from Ayasong			
(see also: Ayasong, 10 km from)			
Alosa, near Niefang	ca.	1° 51' 00" N 10° 14' 00" E	400 m
(see also: Finca Bartolomé)			
Alosa, forest exploitation near	ca.	1° 51' 00" N 10° 14' 00" E	400 m
Aninzok (see Anisoc)		1° 36' 00" N 10° 04' 00" E	
Aninzok, 4 km W (see Anisoc)	ca.	1° 36' 00" N 10° 04' 00" E	
Anisoc		1° 36' 00" N 10° 04' 00" E	
(see also: Aninzok, Aninzok, 4 km W)			
Anisoc, 4 km W	ca.	1° 36' 00" N 10° 04' 00" E	
Arroyo Bicaba	ca.	1° 47' 32" N 10° 14' 37" E	
(see also: Bicaba River, Río Bicaba)			
Arroyo Mikémele	ca.	1° 34' 35" N 10° 04' 43" E	
(see also: Mikémele River, Río Mikémele)			
Ayasong, 10 km from (see Akurinam)			
Besabeba		2° 02' 52" N 10° 13' 04" E	252 m
Bicaba River (see Arroyo Bicaba)	ca.	1° 47' 32" N 10° 14' 37" E	
Borg, mount (see Mokula)		1° 53' 00" N 10° 17' 00" E	
Callado Monte Alen, Limite Evinayong Niefang		1° 51' 00" N 10° 07' 00" E	400 m
Cascada Nguelensok, near (see Nguelensok cascade, near)			
Ctra Evinayong - Aconibe (see Evinayong - Aconibe, between)	ca.	1° 19' 00" N 10° 45' 00" E	
Cueva de Esong (see Moka)	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Cueva Moro (see Moka)	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Ebalowa, between Evinayong and Niefang	ca.	1° 35' 37" N 10° 20' 05" E	400 m
Encure			
Engong, near Río Lobo, Evinayong		1° 53' 00" N 10° 17' 00" E	325 m
Esong cave (see Moka), near Evinayong - Niefang road	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Evinayong - Aconibe, between	ca.	1° 19' 00" N 10° 45' 00" E	
(see also: Ctra Evinayong - Aconibe)			
Evinayong to Aconibe road, km 23 (see Noayong)		1° 22' 13" N 10° 42' 00" E	571 m
Evinayong, agricultural extension	ca.	1° 43' 00" N 10° 11' 00" E	
Finca Bartolomé (see Alosa)	ca.	1° 51' 00" N 10° 14' 00" E	400 m

Finca Niefang (see Sevilla de Niefang)		1° 50' 36" N 10° 13' 59" E	
Mbon River (see Río Mbon)			
Mfaman, near Niefang		1° 54' 55" N 10° 13' 56" E	358 m
(see also: Nfaman)			
Mikémele River		1° 34' 35" N 10° 04' 43" E	
(see also: Rio Mikémele)			
Mikémele River (see Arroyo Mikémele)	ca.	1° 34' 35" N 10° 04' 43" E	
Minkan, near Niefang, on Rio Ekuku	ca.	1° 50' 00" N 10° 07' 00" E	
Miong River (see Río Miong)	ca.	1° 22' 13" N 10° 42' 00" E	
Moka, on/near Rio Lobo, on Evinayong - Niefang road	ca.	1° 34' 00" N 10° 24' 00" E	400 m
(see also: Cueva de Esong, Cueva Moro, Esong cave, Moro cave)			
Monte Alen, on Evinayong - Niefan road		1° 40' 00" N 10° 18' 19" E	508 m
Moro cave (see Moka)	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Mosoc, near Evinayong			
Mount Borg		1° 53' 00" N 10° 17' 00" E	
Ncumeken (see Ncumekie), on Niefang - Evinayong road		1° 34' 09" N 10° 21' 46" E	561 m
Ncumekie, on Niefang - Evinayong road		1° 34' 09" N 10° 21' 46" E	561 m
(see also: Ncumeken)			
Nfaman (see Mfaman)		1° 54' 55" N 10° 13' 56" E	358 m
Nguelensok cascade, near, Poblado Ayebe. Akurenam			
(see also: Cascada Nguelensok, near)			
Niefang (see Sevilla de Niefang)		1° 50' 36" N 10° 13' 59" E	
Niefang - Evinayong, cave near	ca.	1° 43' 00" N 10° 11' 00" E	
Niefang to Evinayong road			
Niefang to Evinayong road, km 40	ca.	1° 34' 22" N 10° 22' 44" E	
Niefang, 5 km from	ca.	1° 50' 36" N 10° 13' 59" E	
Niefang, Forestry Service (see Sevilla de Niefang), Benito River		1° 50' 36" N 10° 13' 59" E	
Noayong, 23 km on Evinayong to Aconibe road		1° 22' 13" N 10° 42' 00" E	571 m
(see also: Evinayong to Aconibe road, km 23, Orillas del Miong)			
Orillas del Miong (see Noayong)		1° 22' 13" N 10° 42' 00" E	571 m
Río Bicaba (see Arroyo Bicaba)	ca.	1° 47' 32" N 10° 14' 37" E	
Río Lobo, near Niefang ?	ca.	1° 32' 00" N 10° 23' 00" E	
Río Mbon, near Monte Alen			
(see also: Mbon River)			
Rio Mikémele (see Mikémele River)	ca.	1° 34' 35" N 10° 04' 43" E	
Río Mikémele (see Arroyo Mikémele)	ca.	1° 34' 35" N 10° 04' 43" E	
Río Miong, on road from Noayong to Evinayong	ca.	1° 22' 13" N 10° 42' 00" E	
(see also: Miong River)			
Sevilla de Niefang		1° 50' 36" N 10° 13' 59" E	
(see also: Finca Niefang, Niefang, Niefang, Forestry Service)			
Yen, Río Bicaba, Evinayong		1° 42' 57" N 10° 09' 13" E	341 m
Djibloho province			
Kié-Ntem province			
Acoc and Micomeseng, between	ca.	2° 05' 00" N 10° 54' 00" E	
Adurelan (see Adurelang)		1° 58' 05" N 11° 12' 18" E	508 m
Adurelang, near Ebebiying ?		1° 58' 05" N 11° 12' 18" E	508 m
(see also: Adurelan)			
Beayop, Loo River / Mikenle River, Micomeseng		2° 09' 04" N 10° 48' 37" E	337 m
Mekomeseng (see Mikomeseng)		2° 08' 10" N 10° 36' 48" E	323 m
Micomeseng (see Mikomeseng), Mengui river, Yebecon / Mikemele river ?		2° 08' 10" N 10° 36' 48" E	323 m
Micomeseng and Temelón, between (see Mount Temelón Nature Reserve), Nsua river, Asoc	ca.	2° 02' 00" N 10° 42' 00" E	
Mikamesen (see Mikomeseng)		2° 08' 10" N 10° 36' 48" E	323 m
Mikomesen (see Mikomeseng)		2° 08' 10" N 10° 36' 48" E	323 m
Mikomeseng, Menigui river, Yebecon		2° 08' 10" N 10° 36' 48" E	323 m
(see also: Mekomeseng, Micomeseng, Mikamesen, Mikomesen)			
Mount Temelón Nature Reserve	ca.	2° 02' 00" N 10° 42' 00" E	
(see also: Micomeseng and Temelón, between, Reserva Natural del Monte Temelón)			
Ncomayos, near Micomiseng		2° 07' 52" N 10° 44' 17" E	366 m
(see also: Ncomoyos)			
Ncomoyos (see Ncomayos)		2° 07' 52" N 10° 44' 17" E	366 m
Nsua River (see Río Nsua)	ca.	2° 08' 10" N 10° 36' 48" E	
Reserva Natural del Monte Temelón (see Mount Temelón Nature Reserve)	ca.	2° 02' 00" N 10° 42' 00" E	
Río Nsua, near Micomiseng - Temelon road?	ca.	2° 08' 10" N 10° 36' 48" E	
(see also: Nsua River)			

Litoral province			
Akaloyong, 20 km N (see Bonobono)		1° 14' 43" N 9° 37' 10" E	508 m
Akoko River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Aman, 10 km from Bata, on road to Mbini		1° 46' 18" N 9° 46' 32" E	592 m
(see also: Bata, 10 km from, on road to Mbini)			
Arroyo Nbuba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Asonga, near Bata		1° 51' 00" N 9° 49' 00" E	0 m
Asonga - Bata road	ca.	1° 51' 38" N 9° 48' 00" E	
Asonga, 1 km from	ca.	1° 51' 38" N 9° 48' 00" E	
Asonga, near	ca.	1° 51' 00" N 9° 49' 00" E	
Ayamiken		2° 06' 41" N 10° 01' 20" E	290 m
(see also: Aya'miteng)			
Aya'miteng (see Ayamiken)		2° 06' 41" N 10° 01' 20" E	290 m
Aye river delta	ca.	1° 21' 03" N 9° 27' 45" E	
Aye River, mouth (see Río Ayé, mouth)		1° 21' 03" N 9° 27' 45" E	
Banapa		1° 05' 00" N 9° 42' 00" E	115 m
Bata		1° 51' 00" N 9° 45' 00" E	
(see also: Exfosa, Kokapipa, La Salle, Mbangan (district), Praderas Asonga, San Pedro de Lea (district))			
Bata - Ayamiken road, km 25, Ngongo river?	ca.	1° 59' 00" N 9° 55' 00" E	
Bata - Enbia road	ca.	1° 51' 00" N 9° 49' 00" E	
Bata International Airport		1° 54' 00" N 9° 48' 00" E	
Bata to Ayamiken road, km 25 /35 (see Río Ngomo)	ca.	2° 04' 03" N 9° 58' 26" E	
Bata to Niefang road, km 3	ca.	1° 51' 22" N 9° 51' 38" E	
Bata, 10 km from, on road to Mbini (see Aman)		1° 46' 18" N 9° 46' 32" E	592 m
Bata, 22 km from (see Nsing)			
Bata, 30 km S (see Micomibe)		1° 39' 47" N 9° 42' 57" E	508 m
Bata, aledores de la ciudad (see Bata, outskirts)	ca.	1° 51' 00" N 9° 45' 00" E	
Bata, outskirts	ca.	1° 51' 00" N 9° 45' 00" E	
(see also: Bata, aledores de la ciudad)			
Benito (see Mbini)		1° 35' 00" N 9° 37' 00" E	343 m
Benito River	ca.	1° 36' 00" N 9° 37' 00" E	
Benito River, 15 mi [=24 km] from mouth	ca.	1° 36' 00" N 9° 37' 00" E	
Benito River, 30 mi [=48 km] from mouth		1° 36' 00" N 10° 03' 12" E	76 m
Bicomo, near Bata		1° 47' 31" N 9° 52' 16" E	615 m
(see also: Micomo)			
Bicomo, near	ca.	1° 47' 31" N 9° 52' 16" E	
Bofondo (see Bolondo)		1° 37' 00" N 9° 37' 00" E	343 m
Bolondo		1° 37' 00" N 9° 37' 00" E	343 m
(see also: Bofondo)			
Bome, near Bata		1° 47' 15" N 9° 44' 05" E	
Bome, 10 km from	ca.	1° 47' 00" N 9° 44' 00" E	
Bonobono, 20 km N Akaloyong		1° 14' 43" N 9° 37' 10" E	508 m
(see also: Akaloyong, 20 km N)			
Cugu River (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Ecuco River (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Ecucu		1° 50' 00" N 9° 45' 00" E	548 m
(see also: Ekuku, Etiani's, Etiany)			
Ecucu River (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Ekododo	ca.	0° 56' 00" N 9° 58' 00" E	
Ekuko River (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Ekuku (see Ecucu)		1° 50' 00" N 9° 45' 00" E	548 m
Ekuku River (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Envuba River (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Etiani's (see Ecucu)		1° 50' 00" N 9° 45' 00" E	548 m
Etiany (see Ecucu)		1° 50' 00" N 9° 45' 00" E	548 m
Evuenam		1° 29' 00" N 9° 47' 00" E	469 m
(see also: Evuennam)			
Evuennam (see Evuenam)		1° 29' 00" N 9° 47' 00" E	469 m
Exfosa (see Bata)		1° 51' 00" N 9° 45' 00" E	
Finca Los Cocos, near Bata	ca.	1° 50' 00" N 9° 45' 00" E	
Hacienda Ukomba, near Bata	ca.	1° 50' 00" N 9° 45' 00" E	
(see also: Ukomba)			
Hotel Media Luna, near Bata International Airport	ca.	1° 54' 00" N 9° 48' 00" E	
Kokapipa (see Bata)		1° 51' 00" N 9° 45' 00" E	
La Salle (see Bata)		1° 51' 00" N 9° 45' 00" E	
Mbangan (district) (see Bata)		1° 51' 00" N 9° 45' 00" E	
Mbini		1° 35' 00" N 9° 37' 00" E	343 m
(see also: Benito, Río Benito, San Benito)			
Mbini - Ayasong road, km 3	ca.	1° 35' 31" N 9° 37' 47" E	
M'Boba river (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Mican, 32 km on the Bata - Niefang road		1° 51' 55" N 9° 58' 51" E	
Micomibe, 30 km S Bata		1° 39' 47" N 9° 42' 57" E	508 m
(see also: Bata, 30 km S, Mikomibe, Mikonibe)			
Micomo (see Bicomo)		1° 47' 31" N 9° 52' 16" E	615 m

Mikomibe (see Micomibe)		1° 39' 47" N 9° 42' 57" E	508 m
Mikonibe (see Micomibe)		1° 39' 47" N 9° 42' 57" E	508 m
Movo and Bata, between	ca.	1° 48' 23" N 9° 46' 22" E	
Mvouba river (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Mvuba River (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Mvuva River (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Mwuba river (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Ncomacac, near Yengüe, on Río Bitula (see also: Ncomakak, Nocomakak)		2° 12' 11" N 9° 52' 55" E	
Ncomakak (see Ncomacac)		2° 12' 11" N 9° 52' 55" E	
Ndjakom (see San Joaquín de Ndyiacom)		2° 01' 45" N 9° 55' 43" E	547 m
Ngomo River (see Río Ngomo)	ca.	2° 04' 03" N 9° 58' 26" E	
Nocomakak (see Ncomacac)		2° 12' 11" N 9° 52' 55" E	
Nsing, 22 km from Bata (see also: Bata, 22 km from)			
Ntono River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Nvouba river (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Nvuba river, Tributary of Ntem [=Campo] river	ca.	2° 10' 00" N 10° 10' 00" E	
Nvuba River (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Nyacon, near Bata			
Olende River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Otocon Creek, near (San Joaquin de) Ndyiacon			
Otonde River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Otondo River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Praderas Asonga (see Bata)		1° 51' 00" N 9° 45' 00" E	
Río Akoko (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Río Ayé, mouth (see also: Aye River, mouth)		1° 21' 03" N 9° 27' 45" E	
Río Benito (see Mbini)		1° 35' 00" N 9° 37' 00" E	343 m
Río Cugu (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Río Ecuco, near Bata (see also: Cugu River, Ecuco River, Ecucu River, Ekuko River, Ekuku River, Río Cugu, Río Ecucu, Río Ekuko, Río Ekuku)		1° 49' 50" N 9° 44' 43" E	
Río Ecucu (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Río Ekuko (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Río Ekuku (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Río Envuba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Río Mvouba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Río Mvuba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Río Mvuva (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Río Mwuba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Río Ngomo, km 25 / 35 on Bata to Ayamiken road (see also: Bata to Ayamiken road, km 25 /35, Ngomo River)	ca.	2° 04' 03" N 9° 58' 26" E	
Río Ntono (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Río Nvouba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Río Nvuba (see also: Arroyo Nbuba, Envuba River, M'Boba river, Mvouba river, Mvuba River, Mvuva River, Mwuba river, Nvouba river, Nvuba River, Río Envuba, Río Mvouba, Río Mvuba, Río Mvuva, Río Mwuba, Río Nvouba)	ca.	2° 10' 00" N 10° 10' 00" E	
Río Olende (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Río Otonde (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Río Otondo (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Río Utonde, near Bata (see also: Akoko River, Ntono River, Olende River, Otonde River, Otondo River, Río Akoko, Río Ntono, Río Olende, Río Otonde, Río Otondo, Río Utonde, banks, Río Utondo, Utonde River, Utondo River)		1° 56' 36" N 9° 48' 41" E	
Río Utonde, banks (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Río Utondo (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Río Voro, affluent of Río Ecucu, Bat (see also: Voro River)			
San Benito (see Mbini)		1° 35' 00" N 9° 37' 00" E	343 m
San Joaquín de Ndyiacom (see also: Ndjakom)		2° 01' 45" N 9° 55' 43" E	547 m
San Joaquín de Ndyiacom to Ayamiken road	ca.	2° 01' 45" N 9° 55' 43" E	
San Pedro de Lea (district) (see Bata)		1° 51' 00" N 9° 45' 00" E	
Ukomba (see Hacienda Ukomba), near Bata	ca.	1° 50' 00" N 9° 45' 00" E	
Utonde River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Utondo River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Voro River (see Río Voro)			
Yengüe, on Río Campo/Río Ntem		2° 13' 00" N 9° 53' 00" E	65 m

Wele-Nzás province
Abonisi, Aã'Isoc
Acoaesakira, 3 km on Nsork to Akum road (see also: Acoesakira, Akosakira, Nsork to Akum road, km 3) 1° 06' 32" N 11° 15' 27" E 511 m
Acocseng and Aconibe, between (see Nzas cave) ca. 1° 18' 35" N 10° 58' 17" E
Acoesakira (see Acoaesakira), 3 km on Nsork to Akom road 1° 06' 32" N 11° 15' 27" E 511 m
Akosakira (see Acoaesakira) 1° 06' 32" N 11° 15' 27" E 511 m
Arroyo Ntugu, near Acocseng, Aconibe (see also: Ntugu River, Río Ntugu) ca. 1° 27' 01" N 11° 04' 02" E
Ayene, near Mongomo 1° 31' 23" N 11° 03' 18" E 508 m
Cueva de Ndume (see Ndume cave) ca. 1° 18' 20" N 11° 16' 44" E
Cueva de Ndumu (see Ndume cave) ca. 1° 18' 20" N 11° 16' 44" E
Cueva de Ndumun (see Ndume cave), 35 km from Nsork ca. 1° 18' 20" N 11° 16' 44" E
Cueva Nzas (see Nzas cave) ca. 1° 18' 35" N 10° 58' 17" E
Dede, Aã'Isok; confluence Río Uoro
Ensorc (see Nsok) 1° 07' 47" N 11° 15' 58" E 545 m
Etom 1° 19' 06" N 10° 51' 15" E 582 m
Evoardulu (see also: Evodulo) 1° 33' 29" N 10° 52' 00" E 508 m
Evodulo (see Evoardulu) 1° 33' 29" N 10° 52' 00" E 508 m
Mokula (see also: Borg, mount, Uokula) 1° 02' 47" N 11° 09' 47" E
Mongomo to Asork [=Nsork] road, km 10 ca. 1° 31' 42" N 11° 18' 03" E
Mongomo to Ebebiying road, km 10 ca. 1° 41' 38" N 11° 15' 28" E
Mongomo to Nsoc road, km 35 (see Ndume cave) ca. 1° 18' 20" N 11° 16' 44" E
Mvom (see also: Nvom) 1° 22' 37" N 11° 13' 07" E 553 m
Ncong River (see Río Ncong) ca. 1° 08' 00" N 11° 15' 00" E
Ndume cave, 35 km on Mongomo to Nsoc road (see also: Cueva de Ndume, Cueva de Ndumu, Cueva de Ndumun, Mongomo to Nsoc road, km 35, Ndumu cave) ca. 1° 18' 20" N 11° 16' 44" E
Ndumu cave (see Ndume cave) ca. 1° 18' 20" N 11° 16' 44" E
Nocong River (see Río Ncong) ca. 1° 08' 00" N 11° 15' 00" E
Nsoc (see Nsok) 1° 07' 47" N 11° 15' 58" E 545 m
Nsok (see also: Ensorc, Nsoc, Nsorc, Nsork, N'Zork) 1° 07' 47" N 11° 15' 58" E 545 m
Nsorc (see Nsok) 1° 07' 47" N 11° 15' 58" E 545 m
Nsork (see Nsok) 1° 07' 47" N 11° 15' 58" E 545 m
Nsork to Akum road, km 3 (see Acoaesakira) 1° 06' 32" N 11° 15' 27" E 511 m
Nsork, 23 km from ca. 1° 08' 00" N 11° 16' 00" E
Ntugu River (see Arroyo Ntugu) ca. 1° 27' 01" N 11° 04' 02" E
Nvom (see Mvom) 1° 22' 37" N 11° 13' 07" E 553 m
Nzas cave, between Acocseng and Aconibe (see also: Acocseng and Aconibe, between, Cueva Nzas) ca. 1° 18' 35" N 10° 58' 17" E
N'Zork (see Nsok) 1° 07' 47" N 11° 15' 58" E 545 m
Obamicu 1° 15' 00" N 11° 02' 00" E 539 m
Río Ncong (see also: Ncong River, Nocong River, Río Nocong) ca. 1° 08' 00" N 11° 15' 00" E
Río Nocong (see Río Ncong) ca. 1° 08' 00" N 11° 15' 00" E
Río Ntugu (see Arroyo Ntugu) ca. 1° 27' 01" N 11° 04' 02" E
Uokula (see Mokula) 1° 02' 47" N 11° 09' 47" E
Corisco island (see also: Isla de Corisco, Isla Mandyi) 0° 54' 57" N 9° 19' 06" E
Covadonga 0° 53' 52" N 9° 18' 42" E ca. 508 m
Covadonga, near ca. 0° 53' 52" N 9° 18' 42" E ca. 508 m
Playa del Caã'On ca. 0° 54' 57" N 9° 19' 06" E
Ebinayon (see Evinayong) 1° 26' 12" N 10° 33' 04" E 628 m
Ebinayong (see Evinayong) 1° 26' 12" N 10° 33' 04" E 628 m
Ebineyon (see Evinayong) 1° 26' 12" N 10° 33' 04" E 628 m
Ebinoyon (see Evinayong) 1° 26' 12" N 10° 33' 04" E 628 m
Elloby
Evinayong (see also: Ebinayon, Ebinayong, Ebineyon, Ebinoyon) 1° 26' 12" N 10° 33' 04" E 628 m
Insular region
Annobon ca. 1° 26' 00" S 5° 38' 00" E
Annobon province
Ambo (see Palé) 1° 24' 25" S 5° 38' 00" E 0 m
Annobón (see Palé) 1° 24' 25" S 5° 38' 00" E 0 m
Annobon Airport 1° 24' 32" N 5° 37' 22" E

Ciudad de Pali (see Palé)		1° 24' 25" S 5° 38' 00" E	0 m
Monte Cus (see Monte Cusuzua)		1° 26' 00" S 5° 38' 00" E	
Monte Cusuzua (see also: Monte Cus)		1° 26' 00" S 5° 38' 00" E	
Palé (see also: Ambo, Annobón, Ciudad de Pali, San Antonio, San Antonio de Palé)		1° 24' 25" S 5° 38' 00" E	0 m
San Antonio (see Palé)		1° 24' 25" S 5° 38' 00" E	0 m
San Antonio de Palé (see Palé)		1° 24' 25" S 5° 38' 00" E	0 m
San Juan		1° 25' 00" S 5° 38' 00" E	0 m
San Pedro		1° 26' 04" S 5° 39' 06" E	0 m
Bioko island (see also: Fernando Po, Fernando Poo, Macas Nguema)		3° 30' 00" N 8° 42' 00" E	
Banlesbeni			
Bioko Norte province			
Bacipú (see Basupú)		3° 44' 00" N 8° 49' 00" E	154 m
Bajo Puente Sobre Riachuelo, 3 km on the Malabo - Riaba road	ca.	3° 44' 03" N 8° 50' 00" E	
Baney (see Santiago de Baney), Eolá River, Patio Vivancos (see also: Eolá River, Río Eolá)		3° 41' 57" N 8° 54' 30" E	252 m
Bany (see Santiago de Baney)		3° 41' 57" N 8° 54' 30" E	252 m
Basacato (see Basacato del Oeste)		3° 35' 27" N 8° 37' 24" E	252 m
Basacato del Oeste (see also: Basacato, Basakato, Cueva Bosacato)		3° 35' 27" N 8° 37' 24" E	252 m
Basakato (see Basacato del Oeste)		3° 35' 27" N 8° 37' 24" E	252 m
Basapu (see Basupú)		3° 43' 00" N 8° 41' 04" E	112 m
Basilé Radio (see Basilé village)		3° 41' 39" N 8° 48' 13" E	572 m
Basilé village (see also: Basilé Radio, Rasilé)		3° 41' 39" N 8° 48' 13" E	572 m
Basipu (see Basupú)		3° 44' 00" N 8° 49' 00" E	154 m
Basoalo (see Basuala)		3° 38' 00" N 8° 56' 00" E	0 m
Basuala (see also: Basoalo)		3° 38' 00" N 8° 56' 00" E	0 m
Basupí Fiston (see Basupú)		3° 44' 00" N 8° 49' 00" E	154 m
Basupú (see also: Bacipú, Basipu, Basupí Fiston, Fish Town, Fishtown)		3° 44' 00" N 8° 49' 00" E	154 m
Basupú, km 10 on Malabo - Luba road (see also: Basapu, Basupú del Oeste, Malabo to Luba road, km 10)		3° 43' 00" N 8° 41' 04" E	112 m
Basupú del Oeste (see Basupú)		3° 43' 00" N 8° 41' 04" E	112 m
Basupú river (see Río Basupú)	ca.	3° 43' 00" N 8° 41' 04" E	
Borabuopé River (see Río Borabuopé)	ca.	3° 45' 00" N 8° 52' 00" E	
Cacahual		3° 46' 45" N 8° 43' 36" E	
Ciudad de Ela Nguema, near Malabo (see also: Ela Nguema, Ela Nguena, Elan - Guema, Elanguena, San Fernando)		3° 45' 00" N 8° 47' 00" E	107 m
Ciudad de Malabo (see Malabo)		3° 45' 04" N 8° 44' 31" E	0 m
Cocorico River (see Río Ericorico)	ca.	3° 44' 10" N 8° 49' 34" E	
Cueva Bosacato (see Basacato del Oeste)		3° 35' 27" N 8° 37' 24" E	252 m
Ela Nguema (see Ciudad de Ela Nguema)		3° 45' 00" N 8° 47' 00" E	107 m
Ela Nguena (see Ciudad de Ela Nguema)		3° 45' 00" N 8° 47' 00" E	107 m
Elan - Guema (see Ciudad de Ela Nguema)		3° 45' 00" N 8° 47' 00" E	107 m
Elanguena (see Ciudad de Ela Nguema)		3° 45' 00" N 8° 47' 00" E	107 m
Elgorriaga Farm, Rió Boshao		3° 41' 28" N 8° 39' 15" E	
Eolá River (see Baney)		3° 41' 57" N 8° 54' 30" E	252 m
Ericorico river (see Río Ericorico), 3 km on Malabo - Riaba road	ca.	3° 44' 10" N 8° 49' 34" E	
Finca de Mayo (see Mallo and Mora, farm)		3° 45' 00" N 8° 50' 00" E	
Finca de Mora (see Mallo and Mora, farm)		3° 45' 00" N 8° 50' 00" E	
Finca Mallo (see Mallo and Mora, farm)		3° 45' 00" N 8° 50' 00" E	
Finca Mayo (see Mallo and Mora, farm), Borapuope River; on Malabo to Riaba road		3° 45' 00" N 8° 50' 00" E	
Finca Mora (see Mallo and Mora, farm)		3° 45' 00" N 8° 50' 00" E	
Fish Town (see Basupú)		3° 44' 00" N 8° 49' 00" E	154 m
Fishtown (see Basupú)		3° 44' 00" N 8° 49' 00" E	154 m
Laka-Baney (see Santiago de Baney)		3° 41' 57" N 8° 54' 30" E	252 m
Lopesa River (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E	
Lopese River (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E	
Lopesi River (see Río Lopese), near Malabo	ca.	3° 43' 41" N 8° 40' 51" E	
Lopesse River (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E	
Malaba (see Malabo)		3° 45' 04" N 8° 44' 31" E	0 m

Malabo (see also: Ciudad de Malabo, Malaba, Port Clarence, Rev Malebo, Santa Isabel)		3° 45' 04" N 8° 44' 31" E	0 m
Caracolas		3° 44' 59" N 8° 46' 13" E	
Malabo International Airport (10 km from Malabo)		3° 45' 28" N 8° 42' 57" E	0 m
Malabo International Airport (6 km from Malabo)		3° 45' 28" N 8° 42' 57" E	
Malabo International Airport (7 km from Malabo)	ca.	3° 45' 28" N 8° 42' 57" E	
Malabo to Basilé road, km 1	ca.	3° 43' 00" N 8° 47' 00" E	
Malabo to Luba road, km 10 (see Basupú)		3° 43' 00" N 8° 41' 04" E	112 m
Malabo to Luba road, km 13	ca.	3° 40' 58" N 8° 39' 17" E	
Malabo to Luba road, km 15	ca.	3° 39' 30" N 8° 38' 33" E	
Malabo to Luba road, km 3 (see Río Timbabé)	ca.	3° 44' 11" N 8° 45' 09" E	
Malabo to Luba road, km 5 (see Vievenda de Mera, plantation)		3° 43' 00" N 8° 44' 00" E	
Malabo to Riaba road, km 1	ca.	3° 44' 41" N 8° 48' 43" E	
Malabo to Riaba road, km 10	ca.	3° 41' 52" N 8° 54' 00" E	
Malabo to Riaba road, km 14	ca.	3° 40' 30" N 8° 54' 40" E	
Malabo to Riaba road, km 2	ca.	3° 44' 09" N 8° 49' 40" E	
Malabo to Riaba road, km 3 (see Río Ericorico)	ca.	3° 44' 10" N 8° 49' 34" E	
Malabo to Riaba road, km 4 (see Río Togecha)		3° 45' 00" N 8° 49' 00" E	
Malabo to Riaba road, km 5	ca.	3° 44' 09" N 8° 49' 47" E	
Malabo, Basilé, San Fernando cave		3° 45' 00" N 8° 47' 00" E	107 m
Malabo, ca. 7 km from (see Sampaka river)	ca.	3° 44' 41" N 8° 44' 16" E	
Mallo and Mora, farm, Borabuopé River, near Malabo (see also: Finca de Mayo, Finca de Mora, Finca Mallo, Finca Mayo, Finca Mora, Mallo plantation, Patio Viuda de Mora)		3° 45' 00" N 8° 50' 00" E	
Mallo plantation (see Mallo and Mora, farm), Borabuopé river, near Malabo		3° 45' 00" N 8° 50' 00" E	
Matadera river (see Río Matadera)	ca.	3° 44' 00" N 8° 47' 00" E	
Matadero River (see Río Matadera)	ca.	3° 44' 00" N 8° 47' 00" E	
Mera, plantation (see Vievenda de Mera, plantation)		3° 43' 00" N 8° 44' 00" E	
Mopobill River (see Río Mopobill)	ca.	3° 44' 00" N 8° 49' 00" E	
Patio Viuda de Mora (see Mallo and Mora, farm)		3° 45' 00" N 8° 50' 00" E	
Port Clarence (see Malabo)		3° 45' 04" N 8° 44' 31" E	0 m
Punta Lucinda		3° 44' 53" N 8° 40' 45" E	
Rasilé (see Basilé village)		3° 41' 39" N 8° 48' 13" E	572 m
Rev Malebo (see Malabo) (see also: Itama mine)		0° 59' 00" S 29° 41' 00" E	0 m
Río Basupú (see also: Basupú river)	ca.	3° 43' 00" N 8° 41' 04" E	
Río Borabuopé (see also: Borabuopé River)	ca.	3° 45' 00" N 8° 52' 00" E	
Rio Cocorico (see Río Ericorico)	ca.	3° 44' 10" N 8° 49' 34" E	
Río Eolá (see Baney)		3° 41' 57" N 8° 54' 30" E	252 m
Rio Ericorico (see Río Ericorico)	ca.	3° 44' 10" N 8° 49' 34" E	
Río Ericorico, 3 km on Malabo to Riaba road (see also: Cocorico River, Ericorico river, Malabo to Riaba road, km 3, Rio Cocorico, Rio Ericorico)	ca.	3° 44' 10" N 8° 49' 34" E	
Río Lopesa (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E	
Río Lopese (see also: Lopesa River, Lopese River, Lopesi River, Lopesse River, Río Lopesa, Río Lopesi, Río Lopesse)	ca.	3° 43' 41" N 8° 40' 51" E	
Río Lopesi (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E	
Río Lopesse (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E	
Río Matadera, near Malabo (see also: Matadera river, Matadero River, Río Matadero)	ca.	3° 44' 00" N 8° 47' 00" E	
Río Matadero (see Río Matadera), near Ela Nguena	ca.	3° 44' 00" N 8° 47' 00" E	
Río Matadero	ca.	3° 45' 00" N 8° 47' 00" E	
Río Mopobill, NW Bioko, 7 km from the airport (see also: Mopobill River)	ca.	3° 44' 00" N 8° 49' 00" E	
Río Sampaca (see Sampaka river), ca 7 km from Malabo	ca.	3° 44' 41" N 8° 44' 16" E	
Rio Sampaka (see Sampaka river), ca. 7 km from Malabo	ca.	3° 44' 41" N 8° 44' 16" E	
Río Timbabé, 3 to 5 km on Malabo to Luba road (see also: Malabo to Luba road, km 3, Timbabé River)	ca.	3° 44' 11" N 8° 45' 09" E	
Río Togecha, mk 4 on Malabo to Riaba road (see also: Malabo to Riaba road, km 4, Togecha River)		3° 45' 00" N 8° 49' 00" E	
Sácriba		3° 42' 00" N 8° 43' 00" E	

Sampaka river, ca 7 km from Malabo (see also: Malabo, ca. 7 km from, Río Sampaca, Rio Sampaka)	ca.	3° 44' 41" N 8° 44' 16" E	
Sampoca		3° 43' 20" N 8° 44' 54" E	
San Fernando (see Ciudad de Ela Nguema)		3° 45' 00" N 8° 47' 00" E	107 m
Santa Isabel (see Malabo)		3° 45' 04" N 8° 44' 31" E	0 m
Santiago de Baney, at 100 m from the banks of the Eola river (see also: Baney, Bany, Laka-Baney)		3° 41' 57" N 8° 54' 30" E	252 m
Timbabé River (see Río Timbabé)	ca.	3° 44' 11" N 8° 45' 09" E	
Togecha River (see Río Togecha)		3° 45' 00" N 8° 49' 00" E	
Vievenda de Mera, plantation, 5 km on Malabo - Luba road (see also: Malabo to Luba road, km 5, Mera, plantation, Vvd. de Mera, plantation)		3° 43' 00" N 8° 44' 00" E	
Vvd. de Mera, plantation (see Vievenda de Mera, plantation)		3° 43' 00" N 8° 44' 00" E	
Bioko Sur province			
Apú River (see Río Apú), 21 km on Malabo to Luba road	ca.	3° 31' 15" N 8° 35' 23" E	
Bahía de Luba (see also: Luba Bay)		3° 29' 11" N 8° 33' 51" E	
Balelipa (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Bantabaré cave		3° 19' 33" N 8° 34' 29" E	
Batete, near Luba (see also: Claret de Batete)		3° 26' 36" N 8° 30' 18" E	285 m
Belebu and Ureka, between (see Caldera de San Carlos Scientific Reserve)	ca.	3° 20' 00" N 8° 34' 00" E	
Belelipa (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Belépipa (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Beletipa (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Betelipa (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Biaó, lake (see Lago de Biaó)		3° 21' 26" N 8° 37' 32" E	
Bilelepá (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Bilelepe (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Bilelipa (see also: Balelipa, Belelipa, Belépipa, Beletipa, Betelipa, Bilelepá, Bilelepe)		3° 29' 00" N 8° 48' 00" E	215 m
Bosao river (see Río Bosao)	ca.	3° 31' 51" N 8° 35' 58" E	
Boshao river (see Río Bosao)	ca.	3° 31' 51" N 8° 35' 58" E	
Boshaoiefang River (see Río Bosao)	ca.	3° 31' 51" N 8° 35' 58" E	
Bualabá River (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Bualala River (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Bubi Town		3° 29' 00" N 8° 50' 00" E	
Caldera de San Carlos Scientific Reserve (see also: Belebu and Ureka, between, Reserva cientifica de la Caldera de San Carlos)	ca.	3° 20' 00" N 8° 34' 00" E	
Ciudad de Luba (see Luba)		3° 27' 24" N 8° 33' 17" E	181 m
Ciudad de Riaba (see also: Concepcion, La Concepcion, La Conception, Riaba)		3° 22' 58" N 8° 45' 44" E	104 m
Claret de Batete (see Batete)		3° 26' 36" N 8° 30' 18" E	285 m
Concepcion (see Ciudad de Riaba)		3° 22' 58" N 8° 45' 44" E	104 m
Grande River (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Iladyi (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
La Concepcion (see Ciudad de Riaba)		3° 22' 58" N 8° 45' 44" E	104 m
La Conception (see Ciudad de Riaba)		3° 22' 58" N 8° 45' 44" E	104 m
Lago de Biaó, near Moka (see also: Biaó, lake, Lago Moko, Laguna Moka, Lake Biao)		3° 21' 26" N 8° 37' 32" E	
Lago Moko (see Lago de Biaó)		3° 21' 26" N 8° 37' 32" E	
Laguna Moka (see Lago de Biaó)		3° 21' 26" N 8° 37' 32" E	
Lake Biao (see Lago de Biaó)		3° 21' 26" N 8° 37' 32" E	
Lobo river	ca.	3° 20' 00" N 8° 40' 00" E	
Luba (see also: Ciudad de Luba, San Carlos, San Carlos de Lubá)		3° 27' 24" N 8° 33' 17" E	181 m
Luba Bay (see Bahía de Luba)		3° 29' 11" N 8° 33' 51" E	
Luba to Malabo road			
Luba to Malabo road, km 14	ca.	3° 34' 00" N 8° 37' 00" E	
Luba, 3 km from	ca.	3° 27' 24" N 8° 33' 17" E	
Luba, near	ca.	3° 27' 24" N 8° 33' 17" E	
Malabo to Luba road, km 20 (see Río Bosao), Rio Apu	ca.	3° 31' 51" N 8° 35' 58" E	
Malabo to Luba road, km 21 (see Río Apú)	ca.	3° 31' 15" N 8° 35' 23" E	
Malabo to Luba road, km 40	ca.	3° 32' 43" N 8° 36' 12" E	

Malabo to Luba road, km 42	ca.	3° 32' 43" N 8° 36' 12" E	
Malabo to Riaba road			
Moca		3° 20' 00" N 8° 40' 00" E	1013 m
(see also: Moka)			
Moka (see Moca)		3° 20' 00" N 8° 40' 00" E	1013 m
Moris River (see Río Moris)	ca.	3° 27' 00" N 8° 33' 00" E	
Musela (see Musola)		3° 26' 00" N 8° 37' 00" E	437 m
Musola		3° 26' 00" N 8° 37' 00" E	437 m
(see also: Musela)			
Musola River	ca.	3° 26' 00" N 8° 37' 00" E	
Oprocage, farm, near Moba, Luba	ca.	3° 20' 00" N 8° 40' 00" E	1300 m
Reserva cientifica de la Caldera de San Carlos (see Caldera de San Carlos Scientific Reserve)	ca.	3° 20' 00" N 8° 34' 00" E	
Riaba (see Ciudad de Riaba)		3° 22' 58" N 8° 45' 44" E	104 m
Riaba to Malabo road, km 5 - 6	ca.	3° 28' 00" N 8° 47' 00" E	
Riaba to Malabo road, km 7 - 8	ca.	3° 30' 00" N 8° 48' 00" E	
Riaba, 6 km from	ca.	3° 22' 58" N 8° 45' 44" E	
Riaba, near, Borakurope river	ca.	3° 22' 58" N 8° 45' 44" E	
Río Apú, 17 to 21 km on Malabo to Luba road (see also: Apú River, Malabo to Luba road, km 21)	ca.	3° 31' 15" N 8° 35' 23" E	
Río Bosao, 18 to 20 km on the Malabo to Luba road (see also: Bosao river, Boshao river, Boshaoiefang River, Malabo to Luba road, km 20, Río Boshao)	ca.	3° 31' 51" N 8° 35' 58" E	
Río Boshao (see Río Bosao)	ca.	3° 31' 51" N 8° 35' 58" E	
Rio Bualabá (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Río Bualala (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Río Grande, near Riaba (see also: Bualabá River, Bualala River, Grande River, Iladyi, Rio Bualabá, Río Bualala, Río Grande - Río Ruma confluence)	ca.	3° 23' 03" N 8° 44' 16" E	
Río Grande - Río Ruma confluence (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Río Moris, near Luba (see also: Moris River)	ca.	3° 27' 00" N 8° 33' 00" E	
Riusaka	ca.	3° 26' 07" N 8° 39' 21" E	
San Antonio de Ureca (see also: San Antonio de Ureka, Ureca, Ureka, Urekd)		3° 15' 08" N 8° 35' 06" E	
San Antonio de Ureka (see San Antonio de Ureca)		3° 15' 08" N 8° 35' 06" E	
San Carlos (see Luba)		3° 27' 24" N 8° 33' 17" E	181 m
San Carlos de Lubá (see Luba)		3° 27' 24" N 8° 33' 17" E	181 m
Ureca (see San Antonio de Ureca)		3° 15' 08" N 8° 35' 06" E	
Ureka (see San Antonio de Ureca)		3° 15' 08" N 8° 35' 06" E	
Ureka, near	ca.	3° 15' 08" N 8° 35' 06" E	
Urekd (see San Antonio de Ureca)		3° 15' 08" N 8° 35' 06" E	
Fernando Po (see Bioko island)		3° 30' 00" N 8° 42' 00" E	
Victoria	ca.	3° 30' 00" N 8° 42' 00" E	
Fernando Poo (see Bioko island)		3° 29' 39" N 8° 42' 06" E	
Bilelifri			
Macas Nguema (see Bioko island)		3° 30' 00" N 8° 42' 00" E	
Isla de Corisco (see Corisco island)		0° 54' 57" N 9° 19' 06" E	
Isla Mandyi (see Corisco island)		0° 54' 57" N 9° 19' 06" E	
Nkolentangan			
Noya river (see also: Beoken Noja)			
Río Boara, affluent of Río Ecucu (see also: Boara River, Buara River, Río Buara)		1° 47' 34" N 9° 45' 39" E	
Río Buara (see Río Boara)		1° 47' 34" N 9° 45' 39" E	
Río Longone	ca.	0° 54' 57" N 9° 19' 06" E	
Santa Cruz de Nviayong, Ndubu river			
Eritrea			
Anseba region			
Cheren (see Keren)		15° 46' 40" N 38° 27' 29" E	1590 m
Keren, Bogosland (see also: Cheren)		15° 46' 40" N 38° 27' 29" E	1590 m
CentrPC:MA|)			
Debub region (see also: Southern (former) province |PC:DU|)			
Addi Ugri (see Mendefera)		14° 53' 08" N 38° 48' 59" E	1986 m
Adi Ugri (see Mendefera)		14° 53' 08" N 38° 48' 59" E	1986 m
Adi Wegri (see Mendefera)		14° 53' 08" N 38° 48' 59" E	1986 m
Mendefera (see also: Addi Ugri, Adi Ugri, Adi Wegri)		14° 53' 08" N 38° 48' 59" E	1986 m
Debubawi Keyih Bahri region			
Gash-Barka region			

Agordat (see Akurdet)		15° 32' 55" N 37° 53' 12" E	637 m
Ak' Wirdet (see Akurdet)		15° 32' 55" N 37° 53' 12" E	637 m
Ak'irdat (see Akurdet)		15° 32' 55" N 37° 53' 12" E	637 m
Ak'ordat (see Akurdet)		15° 32' 55" N 37° 53' 12" E	637 m
Akurdet		15° 32' 55" N 37° 53' 12" E	637 m
(see also: Agordat, Ak' Wirdet, Ak'irdat, Ak'ordat, Figordat)			
Dongollo Basso		15° 00' 00" N 38° 00' 00" E	
Figordat (see Akurdet)		15° 32' 55" N 37° 53' 12" E	637 m
Zeriba Ambarab		15° 10' 00" N 36° 55' 00" E	
Maekel region			
(see also: Central (former) province |PC:MA|, Zoba Ma'akel province |PC:MA|)			
Northern Red Sea (former) province			
Addi Caieh (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Addicaiè (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Caie (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Caieh (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Kaie (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keih (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keyeh (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keyh		14° 50' 40" N 39° 22' 24" E	2396 m
(see also: Addi Caieh, Addicaiè, Adi Caie, Adi Caieh, Adi Kaie, Adi Keih, Adi Keyeh, Adi K'eyih)			
Adi K'eyih (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Bogos		15° 46' 00" N 38° 30' 00" E	
Bogos country		15° 46' 00" N 38° 30' 00" E	
Ghinda (see Ginda'), Asmara, NE		15° 26' 57" N 39° 05' 19" E	912 m
Ghinda'e (see Ginda'), Asmara, NE		15° 26' 57" N 39° 05' 19" E	912 m
Ginda', Asmara, NE		15° 26' 57" N 39° 05' 19" E	912 m
(see also: Ghinda, Ghinda'e)			
Masawa (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Massau (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Massaua (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Massawa		15° 36' 35" N 39° 27' 00" E	6 m
(see also: Masawa, Massau, Massaua, Massawah, Massowa, Massowah, Mesewa, Mitsewa, Mits'iwa)			
Massawah (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Massowa (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Massowah (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Mesewa (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Mitsewa (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Mits'iwa (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Saati		15° 36' 00" N 39° 15' 00" E	148 m
Segeneyti (see Segheneyti)		15° 03' 10" N 39° 11' 14" E	2117 m
Semenawi Keyih Bahri region			
SouthPC:DU|)			
Southern Red Sea (former) province			
Aseb (see Assab)		13° 05' 30" N 42° 44' 22" E	0 m
Assab		13° 05' 30" N 42° 44' 22" E	0 m
(see also: Aseb)			
Gibdo		12° 57' 00" N 42° 42' 00" E	
Saganeiti (see Segheneyti)		15° 03' 10" N 39° 11' 14" E	2117 m
Seganeiti (see Segheneyti)		15° 03' 10" N 39° 11' 14" E	2117 m
Segeleyti (see Segheneyti)		15° 03' 10" N 39° 11' 14" E	2117 m
Segheneyti		15° 03' 10" N 39° 11' 14" E	2117 m
(see also: Saganeiti, Seganeiti, Segeleyti, Segeneyti)			
ZobaPC:MA|)			
Asmara (see Asmera)		15° 20' 00" N 38° 56' 00" E	2363 m
Asmara, 10 km NW (see Sciumagalle Mine)		15° 23' 00" N 38° 51' 00" E	2371 m
Asmara, 6 mi [=10 km] W (see Asmera, 6 mi [=10 km] W)	ca.	15° 20' 00" N 38° 51' 00" E	2438 m
Asmara, 8 mi [=13 km] SW (see Sembel)	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
Asmera		15° 20' 00" N 38° 56' 00" E	2363 m
(see also: Asmara)			
Asmera, 10 km NW (see Sciumagalle Mine)		15° 23' 00" N 38° 51' 00" E	2371 m
Asmera, 6 mi [=10 km] W	ca.	15° 20' 00" N 38° 51' 00" E	2438 m
(see also: Asmara, 6 mi [=10 km] W)			
Asmera, 8 mi [=13 km] SW (see Sembel)	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
Sciumagalle Mine, 10 km NW Asmara		15° 23' 00" N 38° 51' 00" E	2371 m
(see also: Asmara, 10 km NW, Asmera, 10 km NW)			

Sembel, 8 mi [=13 km] SW Asmara	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
(see also: Asmara, 8 mi [=13 km] SW, Asmera, 8 mi [=13 km] SW)			
Ethiopia			
Abyssinia			
(see also: Abyssinien)			
Abyssinien (see Abyssinia)			
Addis Ababa and Lake Rudolf, between			
Addis Ababa state			
Addis Ababa (see Adis Abeba)		9° 02' 00" N 38° 42' 00" E	2362 m
Addis Ababa, vicinity of	ca.	9° 02' 00" N 38° 42' 00" E	
Addis Abbaba (see Adis Abeba)		9° 02' 00" N 38° 42' 00" E	2362 m
Addis Abeba (see Adis Abeba)		9° 02' 00" N 38° 42' 00" E	2362 m
Adis Abeba		9° 02' 00" N 38° 42' 00" E	2362 m
(see also: Addis Ababa, Addis Abbaba, Addis Abeba)			
Mekinissa		9° 03' 00" N 38° 42' 00" E	
Afar state			
Borawli		13° 18' 00" N 40° 58' 48" E	812 m
(see also: Lava-Dom)			
Gowane		10° 10' 00" N 40° 39' 00" E	
Lava-Dom (see Borawli)		13° 18' 00" N 40° 58' 48" E	812 m
Robi		10° 00' 00" N 39° 54' 00" E	1232 m
Amhara state			
Alatish National Park, ca 500 km NW Addis Abeba	ca.	12° 00' 00" N 35° 30' 00" E	
Amjale		12° 30' 00" N 35° 38' 00" E	535 m
Bermil		12° 23' 00" N 35° 44' 00" E	562 m
Gelego		12° 14' 00" N 35° 53' 00" E	650 m
Grara		12° 21' 00" N 35° 44' 00" E	560 m
Megbiya Ber		12° 16' 00" N 35° 43' 00" E	607 m
Megenagne		12° 12' 00" N 35° 40' 00" E	564 m
Mehadid		12° 18' 00" N 35° 46' 00" E	587 m
Bagemder province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Bagemdir province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Baggyemdr province (see Gonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Balaghes valley		12° 50' 00" N 38° 20' 00" E	762 m
(see also: Bellegas-Thal, Bellegaz valley, Tal des Belegaz, Tal des Belghe)			
Belès (see Belesa)		13° 50' 00" N 39° 36' 00" E	2112 m
Belesa		13° 50' 00" N 39° 36' 00" E	2112 m
(see also: Belès)			
Simehn and Woggara, between, SW Sabra [=Sobra]		12° 56' 00" N 38° 05' 00" E	
Bege Meder province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Begemder province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Begemdir na Simen province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Begemdir province (see Gonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Begemedir province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Beghemeder province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Bellegas-Thal (see Balaghes valley)		12° 50' 00" N 38° 20' 00" E	762 m
Bellegaz valley (see Balaghes valley)		12° 50' 00" N 38° 20' 00" E	
Bishan Waka lake, E side shore		7° 18' 01" N 35° 16' 24" E	
(see also: Bureyi lake, E side shore)			
Bureyi lake, E side shore (see Bishan Waka lake, E side shore)		7° 18' 01" N 35° 16' 24" E	
Dabra Marko's, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Dabra Marko's, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Dabra-Marqos, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Dag Island (see Daga Island), Lake Tana		11° 54' 00" N 37° 19' 00" E	
Daga Island, Lake Tana		11° 54' 00" N 37° 19' 00" E	
(see also: Dag Island)			
Dambiya (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Danghel (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Danghila (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Danghilla (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Dangila, 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
(see also: Danghel, Danghila, Danghilla, Dangla, Dangla, Dungoler, Tana, 70 mi [=113 km] S Lake)			
Dangla (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Dangla (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Debra Marcos, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Debra Markos, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m

Debre Marcos, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Debre Mark'os, near		10° 21' 00" N 37° 44' 00" E	2446 m
(see also: Dabra Marko's, near, Dabra Marko's, near, Dabra-Marqos, near, Debra Marcos, near, Debra Markos, near, Debre Marcos, near, Moncorer, near, Monkorer, near)			
Debre Tabor, 7 km N, 10 km W (see Wereta-Weldiya road)		11° 55' 00" N 37° 55' 00" E	2100 m
Dembea (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Dengel Ber, SW side Lake Tana		11° 57' 00" N 37° 00' 00" E	1827 m
(see also: Dengelbar, Denghelbar, Denghelber, Dungulbar)			
Dengel Ber, near, SW side Lake Tana		11° 55' 00" N 37° 05' 00" E	
(see also: Dungulbar, near)			
Dengelbar (see Dengel Ber), SW side Lake Tana		11° 57' 00" N 37° 00' 00" E	1827 m
Denghelbar (see Dengel Ber), SW side Lake Tana		11° 57' 00" N 37° 00' 00" E	1827 m
Denghelber (see Dengel Ber), SW side Lake Tana		11° 57' 00" N 37° 00' 00" E	1827 m
Dungoler (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Dungulbar (see Dengel Ber), SW side Lake Tana		11° 57' 00" N 37° 00' 00" E	1827 m
Dungulbar, near (see Dengel Ber, near), SW side Lake Tana		11° 55' 00" N 37° 05' 00" E	
Gallabat (see Metema)		12° 58' 00" N 36° 12' 00" E	684 m
Gallabat, 30 mi [=48 km] SE (see Wahina)		12° 30' 00" N 36° 30' 00" E	1006 m
Goggiam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gojam Kifle Hager province	ca.	11° 00' 00" N 37° 00' 00" E	
(see also: Goggiam province, Gojam province, Gojjam province, Gojjiam province, Gwejam province, Gwojjam province)			
Babardur Georgis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahar (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahar Dar (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahar Dar Ghiorghis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Baherdar-Giyorgis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahir Dar		11° 36' 00" N 37° 23' 00" E	1783 m
(see also: Babardur Georgis, Bahar, Bahar Dar, Bahar Dar Ghiorghis, Baherdar-Giyorgis, Bahr Dar, Bahr dar Giorgis, Bahr der Giorgis, Bahrdar Giyergio, Bahrdar Giyorgis)			
Bahr Dar (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahr dar Giorgis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahr der Giorgis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahrdar Giyergio (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahrdar Giyorgis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Gojam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gojjam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gojjiam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gondar (see Gonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Gondar province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Gondar, 15 mi [=24 km] NE		12° 37' 00" N 37° 29' 00" E	
Gonder		12° 36' 00" N 37° 28' 00" E	2132 m
(see also: Baggyemdr province, Begemdir province, Gondar, Gwender, Gwonder)			
Gonder Kifle Hager province	ca.	12° 30' 00" N 37° 00' 00" E	
(see also: Bagemder province, Bagemdir province, Bege Meder province, Begemder province, Begemdir na Simen province, Begemedir province, Beghemeder province, Gondar province, Gonder province)			
Semen mountains (see Simen mountains)		13° 21' 00" N 38° 18' 00" E	
Semien mountains (see Simen mountains)		13° 21' 00" N 38° 18' 00" E	
Simen mountains		13° 21' 00" N 38° 18' 00" E	
(see also: Semen mountains, Semien mountains, Simien mountains)			
Simien mountains (see Simen mountains)		13° 21' 00" N 38° 18' 00" E	
Simien Mountains National Park		13° 21' 00" N 38° 18' 00" E	
Gonder province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Gorgora		12° 14' 25" N 37° 18' 03" E	1828 m
Gwejam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gwender (see Gonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Gwojjam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gwonder (see Gonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Koli		10° 26' 00" N 36° 52' 00" E	1626 m
(see also: Mabil)			
Koli, 10 km W	ca.	10° 19' 00" N 36° 45' 00" E	
(see also: Mabil, 10 km W)			

Lake Tana (see also: Dambiya, Dembea, Lake Tsana, T'ana Hayk', Tana, lake, Tsana, lake)		12° 00' 00" N 37° 20' 00" E	
Lake Tsana (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Let Marafi (see Let Marefiya)		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marafia (see Let Marefiya)		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marafiya (see Let Marefiya)		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marefia (see Let Marefiya)		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marefiya (see also: Let Marafi, Let Marafia, Let Marafiya, Let Marefia)		9° 38' 00" N 39° 45' 00" E	2467 m
Mabil (see Koli)		10° 26' 00" N 36° 52' 00" E	1626 m
Mabil, 10 km W (see Koli, 10 km W)	ca.	10° 19' 00" N 36° 45' 00" E	
Matama (see Metema)		12° 58' 00" N 36° 12' 00" E	684 m
Matama, 30 mi [=48 km] SE (see Wahina)		12° 30' 00" N 36° 30' 00" E	
Metema (see also: Gallabat, Matama, Metemma)		12° 58' 00" N 36° 12' 00" E	684 m
Metema, 30 mi [=48 km] SE (see Wahina)		12° 30' 00" N 36° 30' 00" E	
Metema, near (see also: Metemma, near)		12° 58' 00" N 36° 12' 00" E	
Metemma (see Metema)		12° 58' 00" N 36° 12' 00" E	684 m
Metemma, near (see Metema, near)		12° 58' 00" N 36° 12' 00" E	
Moncorer, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Monkorer, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Shifra		11° 39' 00" N 40° 01' 00" E	
T'ana Hayk' (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Tal des Belegaz (see Balaghes valley)		12° 50' 00" N 38° 20' 00" E	762 m
Tal des Belghe (see Balaghes valley)		12° 50' 00" N 38° 20' 00" E	762 m
Tana, 70 mi [=113 km] S Lake (see Dangila)		11° 17' 00" N 36° 55' 00" E	
Tana, lake (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Tsana, lake (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Uollo province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Wahina, 30 mi [=45 km] SE Metemma (see also: Gallabat, 30 mi [=48 km] SE, Matama, 30 mi [=48 km] SE, Metema, 30 mi [=48 km] SE)		12° 30' 00" N 36° 30' 00" E	1006 m
Wallo province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Wello province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Abiyacula, near Lalibela	ca.	12° 02' 00" N 39° 03' 00" E	
Medague, near Lalibela	ca.	12° 03' 29" N 39° 02' 41" E	
Welo Kifle Hager province (see also: Uollo province, Wallo province, Wello province, Welo province, Wollo province, Wolloo province)	ca.	11° 30' 00" N 40° 00' 00" E	
Abuna Iosef, monte (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Abuna Josef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Abuna Yosef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Abuna-Josef, monte (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Abune Yosef (see Abune Yosef)		12° 07' 00" N 39° 10' 00" E	3842 m
Abune Yosef (see also: Abune Yosef)		12° 07' 00" N 39° 10' 00" E	3842 m
Abune Yosef, mount (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Abune Yosef, mountain, near Lalibela (see also: Abuna Iosef, monte, Abuna Josef, Abuna Yosef, Abuna-Josef, monte, Abune Yosef, mount, Guli Ba Amba, Monte Abuna Iosef, Monte Abuna-Josef, Mount Abuna Yosef, Mount Abune Yosef)		12° 09' 00" N 39° 11' 00" E	
Guli Ba Amba (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Labibela (see Lalibela)		12° 02' 00" N 39° 02' 00" E	2427 m
Lalibala (see Lalibela)		12° 02' 00" N 39° 02' 00" E	2427 m
Lalibela (see Lalibela)		12° 02' 00" N 39° 02' 00" E	2427 m
Lalibela (see also: Labibela, Lalibala, Lalibela)		12° 02' 00" N 39° 02' 00" E	2427 m
Monte Abuna Iosef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Monte Abuna-Josef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Mount Abuna Yosef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Mount Abune Yosef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Welo province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Wereta-Weldiya road, 7 km N, 10 km W Debre Tabor (see also: Debre Tabor, 7 km N, 10 km W)		11° 55' 00" N 37° 55' 00" E	2100 m
Wollo province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Wolloo province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Azir River mouth	ca.	10° 29' 00" N 36° 25' 00" E	1000 m
BanasPC:BE|)			
Didesa Wenz (see also: Didessa River)	ca.	9° 57' 00" N 35° 41' 00" E	1190 m

Didessa River (see Didesa Wenz)	ca.	9° 57' 00" N 35° 41' 00" E	1190 m
Fatam River, Big Abbai (see Fet'am Shet'), 100 mi S of lake Taua		10° 20' 00" N 36° 52' 00" E	
Fet'am Shet', 100 mi S of lake Taua (see also: Fatam River, Big Abbai, Fettam River, Taua, 100 mi [=160 km] S Lake)		10° 20' 00" N 36° 52' 00" E	
Fettam River (see Fet'am Shet'), 100 mi S of lake Taua		10° 20' 00" N 36° 52' 00" E	
Baro			
BenesPC:BE|) (see also: Binshangul Gumuz)			
Benshangul-Gumaz state (see also: Banashangul Gumuz state |PC:BE|, Beneshangul Gumuz state |PC:BE|)			
Binshangul Gumuz (see Beneshangul Gumuz state)			
Bulcha Forest, Sidamo			
Cheno		9° 42' 03" N 39° 54' 30" E	1369 m
Dire Dawa state			
Daredawa (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dirdabò (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daba (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daoua (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daua (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Dawa (see also: Daredawa, Dirdabò, Dire Daba, Dire Daoua, Dire Daua, Dire Dawa, Dire Dewa, Direaoua, Diré-Daoua, Direduia)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Dawa (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Dawa, 3 km S	ca.	9° 32' 00" N 41° 53' 00" E	
Dire Dewa (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Direaoua (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Diré-Daoua (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Direduia (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Doki River Bridge, Ilu Babor			
Donkam River, Lake Tana, 40 mi S			
East Shore, Lake Abiata			
Fashodo			
GambePC:GA|)			
Gambela Peoples state (see also: Gambela Hizboch state |PC:GA|)			
Abol (see Oboul), on Ghilo river		7° 42' 00" N 34° 06' 00" E	313 m
Gambeila (see Gambela)		8° 15' 00" N 34° 35' 00" E	514 m
Gambela (see Gambela), Ilu Babor		8° 15' 00" N 34° 35' 00" E	514 m
Gambela (see also: Gambeila, Gambela, Gambela Post, Gambella, Wilaya d' Illizi)		8° 15' 00" N 34° 35' 00" E	514 m
Gambela Post (see Gambela)		8° 15' 00" N 34° 35' 00" E	514 m
Gambela, 15 km E			
Gambela, 60 km E			
Gambella (see Gambela)		8° 15' 00" N 34° 35' 00" E	514 m
Jikao (see Jikawo)		8° 22' 00" N 33° 46' 00" E	388 m
Jikau (see Jikawo)		8° 22' 00" N 33° 46' 00" E	388 m
Jikaw (see Jikawo)		8° 22' 00" N 33° 46' 00" E	388 m
Jikawa (see Jikawo)		8° 22' 00" N 33° 46' 00" E	388 m
Jikawo (see also: Jikao, Jikau, Jikaw, Jikawa, Jokau)		8° 22' 00" N 33° 46' 00" E	388 m
Jokau (see Jikawo)		8° 22' 00" N 33° 46' 00" E	388 m
Oboul, on Ghilo river (see also: Abol)		7° 42' 00" N 34° 06' 00" E	313 m
Poko (see also: Pokwo)		8° 09' 00" N 34° 28' 00" E	539 m
Pokwo (see Poko)		8° 09' 00" N 34° 28' 00" E	539 m
Harar People state			
Harar (see Harer)		9° 19' 00" N 42° 07' 00" E	1864 m
Harer (see also: Harar, Harrar)		9° 19' 00" N 42° 07' 00" E	1864 m
Harrar (see Harer)		9° 19' 00" N 42° 07' 00" E	1864 m
Harrena Forest			
Haza Boran			
Lake Lngano			
OrimaPC:OR|)			
Oromia state (see also: Orimaya state |PC:OR|, Oromiya state |PC:OR|)			
Chercha, 8 km S (see Dorse)		6° 16' 00" N 37° 33' 00" E	2923 m

Dorse, 8 km S of Chercha		6° 16' 00" N 37° 33' 00" E	2923 m
(see also: Chercha, 8 km S, Dorsey)			
Dorsey (see Dorse), 8 km S of Chercha		6° 16' 00" N 37° 33' 00" E	2923 m
Gembi (see Gimbi)		9° 10' 00" N 35° 50' 00" E	1844 m
Ghimbi (see Gimbi)		9° 10' 00" N 35° 50' 00" E	1844 m
Gimbi		9° 10' 00" N 35° 50' 00" E	1844 m
(see also: Gembi, Ghimbi)			
Goba		8° 01' 00" N 40° 23' 00" E	1276 m
Harre river, near Arba Minch		6° 03' 00" N 37° 38' 00" E	
Korem (see Koreme)		9° 18' 53" N 41° 38' 34" E	2556 m
Koreme		9° 18' 53" N 41° 38' 34" E	2556 m
(see also: Korem, Koreme)			
Koreme (see Koreme)		9° 18' 53" N 41° 38' 34" E	2556 m
Mattu (see Metu)		8° 18' 00" N 35° 35' 00" E	1604 m
Menagesha Forest		8° 59' 24" N 38° 33' 49" E	
Mettu (see Metu)		8° 18' 00" N 35° 35' 00" E	1604 m
Metu		8° 18' 00" N 35° 35' 00" E	1604 m
(see also: Mattu, Mettu)			
Satema, 1.5 km N, 0.5 km W			2165 m
Scioa province (see Shewa Kifle Hager province)	ca.	9° 00' 00" N 39° 00' 00" E	
Shawa province (see Shewa Kifle Hager province)	ca.	9° 00' 00" N 39° 00' 00" E	
Shewa Kifle Hager province	ca.	9° 00' 00" N 39° 00' 00" E	
(see also: Scioa province, Shawa province, Shewa province, Shoa province)			
Addis Ababa, 24 km E (see Shoa)		9° 00' 00" N 39° 00' 00" E	1981 m
Schoa (see Shoa)		9° 00' 00" N 39° 00' 00" E	1981 m
Shoa	ca.	9° 00' 00" N 39° 00' 00" E	1981 m
(see also: Addis Ababa, 24 km E, Schoa)			
Shewa province (see Shewa Kifle Hager province)	ca.	9° 00' 00" N 39° 00' 00" E	
Shoa province (see Shewa Kifle Hager province)	ca.	9° 00' 00" N 39° 00' 00" E	
OromiPC:OR|)			
Abiata, lake (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Abijata, lake (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Abiy No. 3, 0.5 km S, near Gambela	ca.	8° 12' 00" N 35° 20' 00" E	1364 m
Abiyata Hayk'	ca.	7° 37' 00" N 38° 36' 00" E	
(see also: Abiata, lake, Abijata, lake, Hora Abaita, Hora Abgiata , Hora Abgiate , Hora Abyata, Lago Abeita , Lake Abiata, Lake Abijata, Lake Abiyata)			
Addis Ababa, ca 40 mi [=64 km] W (see Djem-djem Forest)		8° 58' 00" N 38° 09' 00" E	8 000 ft
Afdam (see Afdem)		9° 28' 00" N 41° 00' 00" E	1056 m
Afdem (see Afdem)		9° 28' 00" N 41° 00' 00" E	1056 m
Afdem		9° 28' 00" N 41° 00' 00" E	1056 m
(see also: Afdam, Afdem)			
Alamaya (see Alem Maya)		9° 23' 41" N 42° 00' 47" E	2000 m
Alem Maya		9° 23' 41" N 42° 00' 47" E	2000 m
(see also: Alamaya, Alemay, Alemaya)			
Alemay (see Alem Maya)		9° 23' 41" N 42° 00' 47" E	2000 m
Alemaya (see Alem Maya)		9° 23' 41" N 42° 00' 47" E	2000 m
Anole Wells		4° 19' 00" N 38° 26' 00" E	
Asala (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Aseita		8° 00' 00" N 39° 00' 00" E	
Asela		7° 57' 00" N 39° 08' 00" E	2430 m
(see also: Asala, Asella, Aselle, Assela, Assele, Asselle)			
Asella (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Aselle (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Assela (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Assele (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Asselle (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Awash Station, 12 mi [=19 km] N (see Melka Sede)		9° 21' 00" N 40° 18' 00" E	787 m
Awash Station, 25 mi [=40 km] N (see Melka Werer), Awash Station, 40 km N		9° 33' 00" N 40° 24' 00" E	810 m
Bale district			
Bale Mountains-NP			
Harenna Forest		6° 45' 00" N 39° 44' 00" E	2760 m
Barzala cave (see Rako Barzala)	ca.	9° 20' 00" N 42° 05' 00" E	
Beletta forest (see Belletta forest), 38 km SW Jimma		7° 32' 00" N 36° 31' 00" E	2050 m
Belletta forest, 38 km SW Jimma		7° 32' 00" N 36° 31' 00" E	2050 m
(see also: Beletta forest, Bellista forest, Jimma, 38 km SW)			
Bellista forest (see Belletta forest), 38 km SW Jimma		7° 32' 00" N 36° 31' 00" E	2050 m
Bila (see Bilo)		8° 54' 00" N 37° 00' 00" E	1761 m
Billa (see Bilo)		8° 54' 00" N 37° 00' 00" E	1761 m
Billo (see Bilo)		8° 54' 00" N 37° 00' 00" E	1761 m

Bilo		8° 54' 00" N 37° 00' 00" E	1761 m
(see also: Bila, Billa, Billo, Bilo Boshe)			
Bilo Boshe (see Bilo)		8° 54' 00" N 37° 00' 00" E	1761 m
Bulcha Forest, E of Lake Margherita		6° 11' 00" N 38° 10' 00" E	1800 m
Casano valley (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Chercher mountains			
Hirna and Deder, between	ca.	9° 20' 00" N 41° 16' 00" E	
Coca (see K'ok'a)		8° 26' 00" N 39° 02' 00" E	1700 m
Cofole (see Kofele)		7° 04' 00" N 38° 47' 00" E	2505 m
Didessa river bridge		9° 02' 00" N 36° 09' 00" E	1533 m
Didessa settlement, Tola river		9° 02' 00" N 36° 09' 00" E	
Dinsho		7° 06' 00" N 39° 47' 00" E	
(see also: Gurie)			
Djem-djem Forest, ca 40 mi [=64 km] W Addis Ababa		8° 58' 00" N 38° 09' 00" E	8 000 ft
(see also: Addis Ababa, ca 40 mi [=64 km] W)			
Djimma (see Jima)		7° 40' 00" N 36° 50' 00" E	1753 m
Djimma, 5 km E (see Jima, 5 km E)		7° 40' 00" N 36° 50' 00" E	1753 m
Djiren (see Jiren), near Jima		7° 49' 00" N 36° 41' 00" E	1678 m
Dogy River Bridge		8° 21' 43" N 35° 53' 02" E	
Doki River		8° 20' 00" N 35° 36' 00" E	
Doki river bridge		8° 20' 00" N 35° 36' 00" E	
Filwoha Awash		9° 00' 00" N 39° 58' 00" E	
Garairobi, lake (see Harairobo, lake)		8° 19' 00" N 39° 05' 00" E	
Ghibbey valley (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Ghibbiè di Gimma (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Ghibie valley (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Ghible valley (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Ghigner, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghiignir, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghimir, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinir, 10 km from (see Ginir, 10 km from)	ca.	7° 10' 00" N 40° 42' 00" E	
Ghinir, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinner, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinnir, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Gima (see Jima)		7° 40' 00" N 36° 50' 00" E	1753 m
Gima, 5 km E (see Jima, 5 km E)		7° 40' 00" N 36° 50' 00" E	1753 m
Gimbi, 12 km E	ca.	9° 10' 00" N 35° 50' 00" E	
Gimbi, 25 km E	ca.	9° 10' 00" N 35° 50' 00" E	
Gimbi, 7 km E	ca.	9° 10' 00" N 35° 50' 00" E	
Gimma (see Jima)		7° 40' 00" N 36° 50' 00" E	1753 m
Gimma, 5 km E (see Jima, 5 km E)		7° 40' 00" N 36° 50' 00" E	1753 m
Ginir, 10 km from	ca.	7° 10' 00" N 40° 42' 00" E	
(see also: Ghinir, 10 km from)			
Ginir, 25 mi [=40 km] E (see Sof Omar cave)		6° 54' 22" N 40° 50' 42" E	
Ginir, 30 mi [=48 km] N		7° 06' 00" N 40° 39' 00" E	1951 m
Ginir, 49 km N		7° 06' 00" N 40° 40' 00" E	1951 m
Ginir, 7 km	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
(see also: Ghigner, 7 km, Ghiignir, 7 km, Ghimir, 7 km, Ghinir, 7 km, Ghinner, 7 km, Ghinnir, 7 km, Ginnir, 7 km)			
Ginnir, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Girawa		9° 07' 59" N 41° 50' 20" E	
(see also: Graua, Grawa, Grewa)			
Giren (see Jiren), near Jima		7° 49' 00" N 36° 41' 00" E	1678 m
Goba, 3 mi S, Bale Province	ca.	4° 51' 00" N 31° 37' 00" E	
Graua (see Girawa)		9° 07' 59" N 41° 50' 20" E	
Grawa (see Girawa)		9° 07' 59" N 41° 50' 20" E	
Grewa (see Girawa)		9° 07' 59" N 41° 50' 20" E	
Gumma valley (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Gurie (see Dinsho)		7° 06' 00" N 39° 47' 00" E	
Harairobo, lake		8° 19' 00" N 39° 05' 00" E	
(see also: Garairobi, lake, Lake Garairobi, Lake Harairobo)			
Hawash plains			
Aware Melca		9° 08' 00" N 39° 58' 00" E	
Awasa Hayk'		7° 03' 00" N 38° 26' 00" E	
(see also: Awasa, lago, Awasa, lake, Awusa, Lake Awasa)			
Awasa, lago (see Awasa Hayk')		7° 03' 00" N 38° 26' 00" E	
Awasa, lake (see Awasa Hayk')		7° 03' 00" N 38° 26' 00" E	
Awash (see Awash National Park)		8° 52' 00" N 40° 01' 00" E	
Awash National Park		8° 52' 00" N 40° 01' 00" E	
(see also: Awash)			
Illala Sala		8° 50' 00" N 40° 01' 00" E	
Matahara, 1 km W (see Metahara, 1 km W)		8° 54' 00" N 39° 55' 00" E	1006 m

Metahara, 1 km W (see also: Matahara, 1 km W, Metehara, 1 km W)		8° 54' 00" N 39° 55' 00" E	1006 m
Metehara, 1 km W (see Metahara, 1 km W)		8° 54' 00" N 39° 55' 00" E	1006 m
Awusa (see Awasa Hayk')		7° 03' 00" N 38° 26' 00" E	
Lake Awasa (see Awasa Hayk')		7° 03' 00" N 38° 26' 00" E	
Matahara (see Metahara), Awash river		8° 54' 00" N 39° 55' 00" E	1006 m
Metahara, Awash river (see also: Matahara, Metehara)		8° 54' 00" N 39° 55' 00" E	1006 m
Metehara (see Metahara), Awash river		8° 54' 00" N 39° 55' 00" E	1006 m
Hirna		9° 13' 00" N 41° 06' 00" E	
Hora Abaita (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Hora Abgiata (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Hora Abgiate (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Hora Abyata (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Iavello, 25 km N (see Yabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Jara (see also: Jarra)		7° 22' 00" N 40° 30' 00" E	2025 m
Jarra (see Jara)		7° 22' 00" N 40° 30' 00" E	2025 m
Jima (see also: Djimma, Gima, Gimma, Jimma)		7° 40' 00" N 36° 50' 00" E	1753 m
Jima, 5 km E (see also: Djimma, 5 km E, Gima, 5 km E, Gimma, 5 km E, Jimma, 5 km E)		7° 40' 00" N 36° 50' 00" E	1753 m
Jimma (see Jima)		7° 40' 00" N 36° 50' 00" E	1753 m
Jimma, 38 km SW (see Belletta forest)		7° 32' 00" N 36° 31' 00" E	2050 m
Jimma, 5 km E (see Jima, 5 km E)		7° 40' 00" N 36° 50' 00" E	1753 m
Jiran (see Jiren), near Jima		7° 49' 00" N 36° 41' 00" E	1678 m
Jiren, near Jima (see also: Djiren, Giren, Jiran)		7° 49' 00" N 36° 41' 00" E	1678 m
Kefole (see Kofele)		7° 04' 00" N 38° 47' 00" E	2505 m
Kerkeri Shet' (see also: Casano valley, Ghibbey valley, Ghibbiè di Gimma, Ghibie valley, Ghible valley, Gumma valley)		8° 15' 00" N 37° 29' 00" E	
Kofale (see Kofele)		7° 04' 00" N 38° 47' 00" E	2505 m
Kofele (see also: Cofole, Kefole, Kofale, Koffolé)		7° 04' 00" N 38° 47' 00" E	2505 m
Koffolé (see Kofele)		7° 04' 00" N 38° 47' 00" E	2505 m
Koha Dairy Development (see Koka Dairy Development)		8° 25' 28" N 39° 02' 21" E	1602 m
Koka (see K'ok'a)		8° 26' 00" N 39° 02' 00" E	1700 m
K'ok'a (see also: Coca, Koka)		8° 26' 00" N 39° 02' 00" E	1700 m
Koka Dairy Development, 2 km S Koka (see also: Koha Dairy Development)		8° 25' 28" N 39° 02' 21" E	1602 m
Kulfo river, Nechisar National Park		5° 20' 00" N 37° 35' 00" E	
Kulfo river, Nechisar National Park			
Lago Abeita (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Lago Sciala (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Lago Scialla (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Lake Abiata (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Lake Abijata (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Lake Abiyata (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Lake Garairobi (see Harairobo, lake)		8° 19' 00" N 39° 05' 00" E	
Lake Harairobo (see Harairobo, lake)		8° 19' 00" N 39° 05' 00" E	
Lake Langanno (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Lake Langano (see Langano Hayk'), Shoa		7° 36' 00" N 38° 43' 00" E	
Lake Langara (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Lake Langeno (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Lake Shala (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Lake Shalla (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Langanno, lake (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Langano Hayk' (see also: Lake Langanno, Lake Langano, Lake Langara, Lake Langeno, Langanno, lake, Langano, lake, Langara, lake, Langeno, lake)		7° 36' 00" N 38° 43' 00" E	
Langano, lake (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Langano, W coast lake		7° 37' 00" N 38° 42' 00" E	
Langara, lake (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Langeno, lake (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Melka Sadi (see Melka Sede), 12 mi [=19 km] N Awash Station		9° 21' 00" N 40° 18' 00" E	787 m
Melka Sede, 12 mi [=19 km] N Awash Station (see also: Awash Station, 12 mi [=19 km] N, Melka Sadi)		9° 21' 00" N 40° 18' 00" E	787 m

Melka Were (see Melka Werer), 25 mi [=40 km] N Awash Station		9° 33' 00" N 40° 24' 00" E	810 m
Melka Werer, 25 mi [=40 km] N Awash Station (see also: Awash Station, 25 mi [=40 km] N, Melka Were)		9° 33' 00" N 40° 24' 00" E	810 m
Muger river, 5 mi [=8 km] S (see Sanfords Ranch)		9° 55' 00" N 37° 56' 00" E	
Mugher river, 5 mi [=8 km] S (see Sanfords Ranch)		9° 55' 00" N 37° 56' 00" E	
Nagele (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Negele (see also: Nagele, Negelie, Negelle, Negelli, Neghelle, Neghelli)		5° 19' 00" N 39° 35' 00" E	1533 m
Negele, 74 km N (see also: Negelli, 74 km N)		5° 16' 59" N 40° 12' 00" E	
Negelie (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Negelle (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Negelli (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Negelli, 74 km N (see Negele, 74 km N)		5° 16' 59" N 40° 12' 00" E	
Neghelle (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Neghelli (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Omar cave, S of (see Sof Omar cave), 25 mi [=40 km] E Ginir		6° 54' 22" N 40° 50' 42" E	
Rako Barzala (see also: Barzala cave)	ca.	9° 20' 00" N 42° 05' 00" E	
Sabeta		8° 55' 00" N 38° 40' 00" E	2500 m
Sandford's Ranch (see Sanfords Ranch), 5 mi [=8 km] S Muger river		9° 55' 00" N 37° 56' 00" E	
Sanfords Ranch, 5 mi [=8 km] S Muger river (see also: Muger river, 5 mi [=8 km] S, Mugher river, 5 mi [=8 km] S, Sandford's Ranch)		9° 55' 00" N 37° 56' 00" E	
Sauena (see Sawena)		7° 23' 00" N 41° 16' 00" E	1195 m
Sawena (see also: Sauena)		7° 23' 00" N 41° 16' 00" E	1195 m
Scalla, Lago (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Scech Hussein (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Scech Hussen (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Shala Hayk' (see also: Lago Sciala, Lago Scialla, Lake Shala, Lake Shalla, Scalla, Lago, Shalla, lake, Shola)		7° 29' 00" N 38° 32' 00" E	1800 m
Shalla, lake (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Sheh Husen (see also: Scech Hussein, Scech Hussen, Sheik Hussein, Sheikh Hussein, Shek Husen, Shek Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Sheik Hussein (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Sheikh Hussein (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Shek Husen (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Shek Husen (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Shola (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Sidam-Bale bridge		5° 45' 09" N 39° 36' 58" E	
Sof Omar cave (see also: Ginir, 25 mi [=40 km] E, Omar cave, S of, Sof-Omar)		6° 54' 22" N 40° 50' 42" E	
Sof-Omar (see Sof Omar cave)		6° 54' 22" N 40° 50' 42" E	
Tola River, Didessa Valley, 4 km W Walaga Didessa River mouth			
Yabalo, 25 km N (see Yabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Yabelo, 25 km N (see also: Iavello, 25 km N, Yabalo, 25 km N, Yavello, 25 km N, Yavelo, 25 km N, Yeabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Yavello, 25 km N (see Yabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Yavelo, 25 km N (see Yabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Yeabelo, 25 km N (see Yabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Shibe-Tolley Shoa and Lake Rudolf, between Sirba SNNPPC:SN|)			
Abala (see Abela)		6° 42' 00" N 37° 53' 00" E	1481 m
Abaya, lake		6° 15' 00" N 37° 55' 00" E	
Bottego Highlands	ca.	7° 09' 00" N 37° 42' 00" E	1618 m
Donu river (see Gelana Shet')		6° 07' 00" N 37° 55' 00" E	
Doou river (see Gelana Shet')		6° 07' 00" N 37° 55' 00" E	
Galana river (see Gelana Shet')		6° 07' 00" N 37° 55' 00" E	
Gelana Shet' (see also: Donu river, Doou river, Galana river)		6° 07' 00" N 37° 55' 00" E	

Abaya, lake, West bank		6° 13' 00" N 37° 49' 00" E	
Abaya, W coast lake		6° 13' 00" N 37° 49' 00" E	
Abela		6° 42' 00" N 37° 53' 00" E	1481 m
(see also: Abala, Abella)			
Abella (see Abela)		6° 42' 00" N 37° 53' 00" E	1481 m
Abiata, lake, E coast		7° 34' 00" N 38° 39' 00" E	
Abore		4° 40' 00" N 36° 45' 00" E	
Abore, lake		4° 40' 00" N 36° 45' 00" E	
(see also: Lake Abore)			
Afallo		7° 41' 00" N 36° 20' 00" E	2101 m
Afallo, 20 km NE (see Challa, mount)		5° 23' 00" N 36° 34' 00" E	2100 m
Afeworks Farm (see Gidole)		5° 38' 00" N 37° 28' 00" E	
Agaro, road to Jimma		7° 51' 00" N 36° 39' 00" E	1613 m
(see also: Aggarò)			
Agaro, 10 km from (see Jimma, road to)	ca.	7° 51' 00" N 36° 39' 00" E	
Agaro, 30 km from, on the route between Agaro and Bedellé	ca.	14° 27' 34" N 39° 11' 12" E	
Aggarò (see Agaro), road to Jimma		7° 51' 00" N 36° 39' 00" E	1613 m
Arba Mench (see Arba Minch')		6° 02' 00" N 37° 33' 00" E	1284 m
Arba Minch (see Arba Minch')		6° 02' 00" N 37° 33' 00" E	1284 m
Arba Minch'		6° 02' 00" N 37° 33' 00" E	1284 m
(see also: Arba Mench, Arba Minch, Arba Mintch, Gantar, Minghi)			
Arba Mintch (see Arba Minch')		6° 02' 00" N 37° 33' 00" E	1284 m
Bonga, 15 km E	ca.	7° 17' 00" N 36° 14' 00" E	ca. 1660 m
Bora River Bridge			1670 m
Calama (see Kelem)		4° 48' 00" N 35° 58' 00" E	394 m
Callam (see Kelem)		4° 48' 00" N 35° 58' 00" E	394 m
Chalia, mount (see Challa, mount), 20 km NE Afallo		5° 23' 00" N 36° 34' 00" E	2100 m
Challa, mount, 20 km NE Afallo		5° 23' 00" N 36° 34' 00" E	2100 m
(see also: Afallo, 20 km NE, Chalia, mount, Gebel Challa, Mount Chalia, Mount Challa)			
Chano, 11 km N Arba Minch, W shore of Lake Abaya	ca.	6° 07' 00" N 37° 34' 00" E	1206 m
Chaw Bahir		4° 40' 00" N 36° 45' 00" E	
Chitu (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Dangola Washa caves	ca.	8° 20' 00" N 38° 34' 00" E	
(see also: Kesa, 5 km SW)			
Djala		6° 20' 00" N 36° 50' 00" E	
Dushi area			
Godare forest, Yamboshi river		7° 21' 00" N 35° 13' 00" E	
Gantar (see Arba Minch')		6° 02' 00" N 37° 33' 00" E	1284 m
Gebel Challa (see Challa, mount), 20 km NE Afallo		5° 23' 00" N 36° 34' 00" E	2100 m
Ghidole (see Gidole)		5° 39' 00" N 37° 22' 00" E	2044 m
Ghidolie (see Gidole)		5° 39' 00" N 37° 22' 00" E	2044 m
Ghion (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Gidole (see Gidole)		5° 39' 00" N 37° 22' 00" E	2044 m
Gidole		5° 39' 00" N 37° 22' 00" E	2044 m
(see also: Afeworks Farm, Ghidole, Ghidolie, Gidole)			
Gion (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Giyon, 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
(see also: Chitu, Ghion, Gion, Guyon, Ualiso, Uoliso, Uolisò, Waliso, Walliso, Walso, Weliso, Weliso, Welso, Woliso, Wolisso, Wolliso)			
Godefò valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Godjeb Fiume, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Godjeb valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Gofa district			
Gofa		6° 15' 00" N 36° 45' 00" E	
Gogeb valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Gojab valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Gojeb River			
Gojeb valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Gojeb Wenz, middle		7° 20' 00" N 37° 21' 00" E	
(see also: Godefò valley, middle, Godjeb Fiume, middle, Godjeb valley, middle, Gogeb valley, middle, Gojab valley, middle, Gojeb valley, middle, Gwojäb valley, middle)			
Guyon (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Gwojäb valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	

Jimma, road to, 10 km from Agaro (see also: Agaro, 10 km from)	ca.	7° 51' 00" N 36° 39' 00" E	
Kaalam (see Kelem)		4° 48' 00" N 35° 58' 00" E	394 m
Kalam (see Kelem)		4° 48' 00" N 35° 58' 00" E	394 m
Kalam, 30 km N (see Omo Valley)	ca.	6° 00' 00" N 35° 50' 00" E	
Kelam (see Kelem)		4° 48' 00" N 35° 58' 00" E	394 m
Kelem (see also: Calama, Callam, Kaalam, Kalam, Kelam)		4° 48' 00" N 35° 58' 00" E	394 m
Kelem, 30 km N (see Omo Valley)	ca.	6° 00' 00" N 35° 50' 00" E	
Kesa, 5 km SW (see Dangola Washa caves)	ca.	8° 20' 00" N 38° 34' 00" E	
Koi area		6° 39' 00" N 35° 14' 00" E	
Koma forest, 5 km N, 20 km W	ca.	7° 12' 00" N 36° 30' 00" E	1900 m
Lake Abore (see Abore, lake)		4° 40' 00" N 36° 45' 00" E	
Manera	ca.	6° 54' 00" N 36° 42' 00" E	
Manera forest		6° 54' 00" N 36° 42' 00" E	1220 m
Masha		7° 44' 00" N 35° 29' 00" E	2222 m
Minghi (see Arba Minch')		6° 02' 00" N 37° 33' 00" E	1284 m
Mount Chalia (see Challa, mount), 20 km NE Afallo		5° 23' 00" N 36° 34' 00" E	2100 m
Mount Challa (see Challa, mount), 20 km NE Afallo		5° 23' 00" N 36° 34' 00" E	2100 m
Mui, Oma river		6° 03' 00" N 35° 33' 00" E	1530 m
Nechisar National Park		5° 56' 24" N 37° 40' 38" E	
Omo Valley, 30 km N Kalam (see also: Kalam, 30 km N, Kelem, 30 km N)	ca.	6° 00' 00" N 35° 50' 00" E	
Poi, 2 mi [=3.2 km] N, Rift Valley		4° 50' 00" N 35° 50' 00" E	
Rudolf, lake, 10 km NE (see Turkana lake, 10 km NE)	ca.	4° 57' 00" N 36° 08' 00" E	
Saati, near Dogali	ca.	5° 19' 59" N 37° 33' 00" E	
Sheko area	ca.	7° 06' 00" N 35° 39' 00" E	ca. 1750 m
Shigella, near Arba Minch	ca.	6° 02' 00" N 37° 33' 00" E	
Southern Nations, Nationalities & People's region			
Turkana lake, 10 km NE (see also: Rudolf, lake, 10 km NE)	ca.	4° 57' 00" N 36° 08' 00" E	
Ualeita (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Ualiso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Uolamo (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Uoliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Uolisò (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Uollamo (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Walamo (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Waliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Walliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Walso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Welamo (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Welamo Awraja (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Welayita Awraja, between Lakes Zwai and Margherita (see also: Ualeita, Uolamo, Uollamo, Walamo, Welamo, Welamo Awraja, Wolamo)		6° 50' 00" N 37° 40' 00" E	6 700 ft
Weliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Weliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Welso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Wolamo (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Woliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Wolisso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Wolliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Somali state			
Arer valley (see Erer Wenz)		7° 34' 00" N 42° 02' 00" E	
Bahadu (see Be'adu Bota)		10° 11' 35" N 40° 37' 08" E	

Be'adu Bota		10° 11' 35" N 40° 37' 08" E	
(see also: Bahadu)			
Djigdjiga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Dobleh		7° 00' 00" N 45° 00' 00" E	
Dolo (see Dolo Odo)		4° 10' 43" N 42° 03' 32" E	173 m
Dolo Odo		4° 10' 43" N 42° 03' 32" E	173 m
(see also: Dolo)			
Dzhidzhiga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Erer valley (see Erer Wenz)		7° 34' 00" N 42° 02' 00" E	
Erer Wenz		7° 34' 00" N 42° 02' 00" E	
(see also: Arer valley, Erer valley, Errer valley)			
Errer valley (see Erer Wenz)		7° 34' 00" N 42° 02' 00" E	
Fafan River, Degeh Bur, 30 km W		8° 05' 00" N 43° 23' 00" E	
Giggiga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Giggigga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Jigjiga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Jigjiga road bridge, Errer river	ca.	9° 21' 00" N 42° 48' 00" E	
Jigjiga road bridge, 0.5 km E, Errer river	ca.	9° 21' 00" N 42° 48' 00" E	
Jigjiga road, 16 km S, Errer river	ca.	9° 21' 00" N 42° 48' 00" E	
Jigjigga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Jijiga		9° 21' 00" N 42° 48' 00" E	1608 m
(see also: Djigdjiga, Dzhidzhiga, Giggiga, Giggigga, Jigjiga, Jigjigga)			
Lado		5° 02' 00" N 41° 41' 00" E	
Ogaden			
Bokonkorio		8° 02' 00" N 46° 19' 00" E	
Sidon		5° 45' 00" N 39° 50' 00" E	
Uardere (see Warder)		6° 58' 00" N 45° 20' 00" E	540 m
Wadere (see Warder)		6° 58' 00" N 45° 20' 00" E	540 m
Wardair (see Warder)		6° 58' 00" N 45° 20' 00" E	540 m
Warder		6° 58' 00" N 45° 20' 00" E	540 m
(see also: Uardere, Wadere, Wardair, Werder)			
Werder (see Warder)		6° 58' 00" N 45° 20' 00" E	540 m
Southern Nations, Nationalities & People's state			
(see also: SNNP state |PC:SN|)			
Ch'amo Hayk'		5° 50' 00" N 37° 33' 00" E	
(see also: Chama, lake, Chamo, lake, Ciamò, lago, Gangiule, Lake Chama, Lake Chamo, Lake Ruspoli, Lake Shamo, Ruspoli, lake, Shamo, lake)			
Chama, lake (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Chamo, lake (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Chamo, NE of lake		5° 58' 00" N 37° 55' 00" E	
Chamo, S bank of lake		5° 50' 00" N 37° 32' 00" E	
Ciamò, lago (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Forty Springs, Arba Minch, near		6° 02' 00" N 37° 36' 00" E	
Gangiule (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Lake Chama (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Lake Chamo (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Lake Ruspoli (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Lake Shamo (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Ruspoli, lake (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Shamo, lake (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Sorobo	ca.	5° 25' 30" N 37° 31' 00" E	
Taua, 100 mi [=160 km] S Lake (see Fet'am Shet')			
Tigray state			
Adaba (see Adwa)		14° 10' 00" N 38° 54' 00" E	1882 m
Addis Alem (see Adis 'Alem)		14° 28' 13" N 38° 46' 31" E	
Adis 'Alem		14° 28' 13" N 38° 46' 31" E	
(see also: Addis Alem, Adis 'Alem)			
Adis 'Alem (see Adis 'Alem)		14° 28' 13" N 38° 46' 31" E	
Adowa (see Adwa)		14° 10' 00" N 38° 54' 00" E	1882 m
Adua (see Adwa)		14° 10' 00" N 38° 54' 00" E	1882 m
Aduwa (see Adwa)		14° 10' 00" N 38° 54' 00" E	1882 m
Adwa		14° 10' 00" N 38° 54' 00" E	1882 m
(see also: Adaba, Adowa, Adua, Aduwa)			
Akesum (see Aksum)		14° 07' 28" N 38° 43' 28" E	2139 m
Aksum		14° 07' 28" N 38° 43' 28" E	2139 m
(see also: Akesum, Axum)			
Axum (see Aksum)		14° 07' 28" N 38° 43' 28" E	2139 m
Azum		14° 10' 00" N 38° 54' 00" E	
Desea Forest	ca.	13° 45' 00" N 39° 45' 00" E	
Harle		12° 20' 00" N 39° 36' 00" E	1532 m
(see also: Harle)			
Harle (see Harle)		12° 20' 00" N 39° 36' 00" E	1532 m
Macalle (see Mek'ele)		13° 29' 48" N 39° 28' 31" E	2036 m

Makale (see Mek'ele)		13° 29' 48" N 39° 28' 31" E	2036 m
Makalle (see Mek'ele)		13° 29' 48" N 39° 28' 31" E	2036 m
Maqale (see Mek'ele)		13° 29' 48" N 39° 28' 31" E	2036 m
Maqalle (see Mek'ele)		13° 29' 48" N 39° 28' 31" E	2036 m
Mek'ele		13° 29' 48" N 39° 28' 31" E	2036 m
(see also: Macalle, Makale, Makalle, Maqale, Maqalle)			
Torat		13° 20' 00" N 37° 23' 00" E	2773 m
Warras			
Western Shore of Lake Abaya			
Fleuve Itimaire, Tributary of Congo River			
French Somaliland (see Djibouti)			
Gabon			
Como River			
Estuaire province			
Cap Esteras (see Esterias, Cap)		0° 37' 00" N 9° 20' 00" E	
Cap Esterias (see Esterias, Cap)		0° 37' 00" N 9° 20' 00" E	
Cap Esteros (see Esterias, Cap)		0° 37' 00" N 9° 20' 00" E	
Congona (see Kango)		0° 09' 00" N 10° 08' 00" E	30 m
Ctaboon, 105 km, Como River		0° 09' 00" N 9° 49' 00" E	
(see also: Ctaboon, 70 mi [=113 km])			
Ctaboon, 112.5 km, Como River			
(see also: Ctaboon, 75 mi [=121 km])			
Ctaboon, 70 mi [=113 km] (see Ctaboon, 105 km), Como River, almost sea-level		0° 09' 00" N 9° 49' 00" E	
Ctaboon, 75 mi [=121 km] (see Ctaboon, 112.5 km), Como River			
Donghila (see Donguila)		0° 13' 00" N 9° 45' 00" E	95 m
Dongila (see Donguila)		0° 13' 00" N 9° 45' 00" E	95 m
Donguila		0° 13' 00" N 9° 45' 00" E	95 m
(see also: Donghila, Dongila)			
Esteras, Cap (see Esterias, Cap)		0° 37' 00" N 9° 20' 00" E	
Esterias, Cap		0° 37' 00" N 9° 20' 00" E	
(see also: Cap Esteras, Cap Esterias, Cap Esteros, Esteras, Cap, Esteros, Cap)			
Esteros, Cap (see Esterias, Cap)		0° 37' 00" N 9° 20' 00" E	
Kango		0° 09' 00" N 10° 08' 00" E	30 m
(see also: Congona)			
Libreville, 20 km from	ca.	0° 23' 00" N 9° 27' 00" E	
Haut-Oggoué province			
Franceville		1° 38' 00" S 13° 35' 00" E	333 m
Franceville, mission		1° 36' 29" S 13° 36' 55" E	
Franceville, near	ca.	1° 38' 00" S 13° 35' 00" E	
La Mouila (see Mouila)		1° 52' 00" S 11° 01' 00" E	156 m
Lac Zedee			
(see also: Lake Zedee, Zedee lake)			
Lake Zedee (see Lac Zedee)			
Moyen-Ogooué province			
Booue (see Booué)		0° 06' 00" S 11° 56' 00" E	175 m
Booué		0° 06' 00" S 11° 56' 00" E	175 m
(see also: Booue, Boque, Boué)			
Booué River		0° 06' 00" S 11° 56' 00" E	
Boque (see Booué)		0° 06' 00" S 11° 56' 00" E	175 m
Boué (see Booué)		0° 06' 00" S 11° 56' 00" E	175 m
Lambarene (see Lambaréné)		0° 42' 00" S 10° 13' 00" E	45 m
Lambaréné		0° 42' 00" S 10° 13' 00" E	45 m
(see also: Lambarene, Limbareni)			
Limbareni (see Lambaréné)		0° 42' 00" S 10° 13' 00" E	45 m
Mission Protestante de Samkita (see Samkita)		0° 27' 00" S 10° 27' 00" E	81 m
Samkita		0° 27' 00" S 10° 27' 00" E	81 m
(see also: Mission Protestante de Samkita, Samkitta)			
Samkitta (see Samkita)		0° 27' 00" S 10° 27' 00" E	81 m
Tenim Bas			
Ngomo (see N'Gomo)		0° 49' 00" S 9° 57' 00" E	0 m
N'Gomo		0° 49' 00" S 9° 57' 00" E	0 m
(see also: Ngomo)			
Nehali			
Ngounié province			
Malimba		2° 09' 00" S 10° 41' 00" E	
Mouila		1° 52' 00" S 11° 01' 00" E	156 m
(see also: La Mouila)			
Mount Tandou		1° 50' 00" S 10° 40' 00" E	610 m
(see also: Tandou, mount)			
Ndendé		2° 23' 00" S 11° 23' 00" E	541 m
(see also: N'Dendé)			

N'Dendé (see Ndendé)		2° 23' 00" S 11° 23' 00" E	541 m
Tandou, mount (see Mount Tandou)		0° 01' 45" S 0° 10' 35" E	610 m
Northeastern Gabon			
Nyanga province			
Sibange farm (see Tchibanga)		2° 51' 00" S 11° 02' 00" E	166 m
Ssibange farm (see Tchibanga)		2° 51' 00" S 11° 02' 00" E	166 m
Tchibanga		2° 51' 00" S 11° 02' 00" E	166 m
(see also: Sibange farm, Ssibange farm)			
Ogewa			
Ogooué-Ivindo province			
Bateke plateau		0° 41' 31" N 14° 20' 53" E	
Batoala		0° 48' 00" N 13° 26' 00" E	489 m
(see also: Batouala, Makokou, 96 km E)			
Batouala (see Batoala), 96 km E Makokou (between Makokou and Mékambo)		0° 48' 00" N 13° 26' 00" E	489 m
Batouala Cave		0° 49' 12" N 13° 27' 00" E	
Batouala or Bélinga	ca.	1° 00' 00" N 13° 20' 00" E	
Batouala, near	ca.	0° 48' 00" N 13° 26' 00" E	
Bawaka		0° 22' 52" N 12° 43' 34" E	
Belinga (see Bélinga)		1° 08' 00" N 13° 07' 00" E	390 m
Bélinga		1° 08' 00" N 13° 07' 00" E	390 m
(see also: Belinga)			
Faucon Cave		1° 07' 00" N 13° 20' 00" E	
(see also: Grotte de Faucon)			
Grotte de Faucon (see Faucon Cave)		1° 07' 00" N 13° 20' 00" E	
Grottes de Massa (see Massa caves)		1° 07' 00" N 13° 09' 00" E	
Massa caves		1° 07' 00" N 13° 09' 00" E	
(see also: Grottes de Massa)			
Mekouba			
Belinga, near	ca.	1° 08' 00" N 13° 07' 00" E	390 m
CNRS Lek		0° 28' 00" N 12° 48' 00" E	
Edzamangen		0° 36' 00" N 12° 44' 00" E	481 m
(see also: Edzameyen)			
Edzameyen (see Edzamangen)		0° 36' 00" N 12° 44' 00" E	481 m
Ipassa		0° 30' 00" N 12° 54' 00" E	
Ipassa-Mpassa station, 10 km SW Makokou	ca.	0° 34' 00" N 12° 52' 00" E	
(see also: Makokou, 10 km SW)			
Loa-Loa (rapids), on Lvindio river, near Makokou		0° 32' 26" N 12° 51' 07" E	
M'Vaddi (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
Makob		0° 40' 34" N 12° 54' 43" E	
Makokou, Lower Ivindo		0° 34' 00" N 12° 52' 00" E	308 m
(see also: Makokou Fortifié)			
Makokou and Bélinga, between	ca.	0° 57' 41" N 13° 03' 22" E	
Makokou Fortifié (see Makokou)		0° 34' 00" N 12° 52' 00" E	308 m
Makokou, 10 km SW (see Ipassa-Mpassa station)	ca.	0° 34' 00" N 12° 52' 00" E	
Makokou, 96 km E (see Batoala)		0° 48' 00" N 13° 26' 00" E	489 m
Makokou, near	ca.	0° 34' 26" N 12° 51' 51" E	
Mvadhi (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
Mvadhi-Ousyé (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
Mvadi		1° 13' 00" N 13° 12' 00" E	385 m
(see also: M'Vaddi, Mvadhi, Mvadhi-Ousyé, Mvahdi, M'Vahdi Ousye, Mvandi)			
Mvadi, near	ca.	1° 13' 00" N 13° 12' 00" E	
Mvahdi (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
M'Vahdi Ousye (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
Mvandi (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
Nwadi	ca.	0° 57' 00" N 13° 15' 00" E	
Ogoou, near (see Ogooué, near)	ca.	0° 06' 00" S 11° 56' 00" E	
Ogooué, near	ca.	0° 06' 00" S 11° 56' 00" E	
(see also: Ogoou, near)			
Ogooué-Lolo province			
Bonda		0° 49' 00" S 12° 42' 00" E	206 m
Ivindo National Park	ca.	0° 15' 00" N 12° 45' 00" E	
Lastoursville		0° 49' 00" S 12° 42' 00" E	206 m
Lastourville		0° 49' 00" S 12° 42' 00" E	206 m
Ogowe		1° 00' 00" S 13° 00' 00" E	
Ogooué-Maritime province			
Aire d'Exploitation Rationelle de Faune des Monts Doudou (see Mount Doudou fauna exploitation area), 24.3 km - 25.2 km NW Doussala		2° 13' 21" S 10° 24' 21" E	
Anengué lake (see Lake Anengué)		1° 08' 29" S 9° 29' 29" E	
Bangue, lake (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Bas Ogooué (see Ogooué River, lower)	ca.	1° 00' 00" S 9° 15' 00" E	
Bengoue (see Bengoué)		0° 58' 00" S 9° 11' 00" E	0 m
Bengoué		0° 58' 00" S 9° 11' 00" E	0 m
(see also: Bengoue)			

Cap Lopez (see Lopez, Cap)		0° 37' 00" S 8° 43' 00" E	
Cape Lopez (see Lopez, Cap)		0° 37' 00" S 8° 43' 00" E	
Cette Cama (see Setté Cama)		2° 32' 00" S 9° 45' 00" E	0 m
Doussala, 12.2 km NW (see Moukalaba Reserve)		2° 17' 00" S 10° 29' 50" E	110 m
Fernan Vaz (see Omboué)		1° 34' 00" S 9° 15' 00" E	0 m
Mpéré		1° 41' 00" S 9° 41' 00" E	32 m
(see also: Mperi, Ompéré)			
Mperi (see Mpéré)		1° 41' 00" S 9° 41' 00" E	32 m
Ntyonga	ca.	1° 34' 00" S 9° 15' 00" E	
Ompéré (see Mpéré)		1° 41' 00" S 9° 41' 00" E	32 m
Port-Gentil		0° 43' 00" S 8° 47' 00" E	1 m
Rembo Kotou	ca.	1° 34' 00" S 9° 15' 00" E	
Fernand-Vaz (see Omboué)		1° 34' 00" S 9° 15' 00" E	0 m
Igela Lagoon (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Iguéla, Lagoon (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lac Anengé (see Lake Anengué)		1° 08' 29" S 9° 29' 29" E	
Lac Anengué (see Lake Anengué)		1° 08' 29" S 9° 29' 29" E	
Lac Avengé (see Lake Anengué)		1° 08' 29" S 9° 29' 29" E	
Lagune d' Iguela (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lagune Iguéla	ca.	1° 55' 08" S 9° 27' 21" E	
Lagune N'Gove (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lagune Ngobé (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lake Anengué		1° 08' 29" S 9° 29' 29" E	
(see also: Anengué lake, Lac Anengé, Lac Anengué, Lac Avengé)			
Lake Bangue (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lake N'Gové (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lake Ngovi (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Anguanamo, Lake Ngovi	ca.	1° 55' 08" S 9° 27' 21" E	
(see also: Bangue, lake, Igela Lagoon , Iguéla, Lagoon, Lagune d' Iguela, Lagune N'Gove , Lagune Ngobé , Lake Bangue , Lake N'Gové , Lake Ngovi, Ngobé, Lagoon, N'Gove, Lagoon, N'Gové, lake, Ngovi, lake)			
Lopez, Cap		0° 37' 00" S 8° 43' 00" E	
(see also: Cap Lopez, Cape Lopez)			
Lower Ogooué River (see Ogooué River, lower)	ca.	1° 00' 00" S 9° 15' 00" E	
Moukalaba Reserve, 12.2 km NW Doussala		2° 17' 00" S 10° 29' 50" E	110 m
(see also: Doussala, 12.2 km NW, Réserve de la Moukalaba)			
Mount Doudou fauna exploitation area, 24.3 km - 25.2 km NW Doussala		2° 13' 21" S 10° 24' 21" E	
(see also: Aire d'Exploitation Rationelle de Faune des Monts Doudou)			
Doussala, 24.3 km NW		2° 13' 21" S 10° 24' 21" E	375 m
Doussala, 25.2 km NW		2° 13' 38" S 10° 23' 40" E	625 m
Ngobé, Lagoon (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
N'Gove, Lagoon (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
N'Gové, lake (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Ngovi, lake (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Ogooué River, lower	ca.	1° 00' 00" S 9° 15' 00" E	
(see also: Bas Ogooué, Lower Ogooué River)			
Omboué		1° 34' 00" S 9° 15' 00" E	0 m
(see also: Fernan Vaz, Fernand-Vaz)			
Rabi Oil Field		1° 52' 01" S 9° 52' 59" E	
Gamba complex (see Ossengue Camp site)		1° 55' 59" S 9° 54' 00" E	
M'bari site, 8 km N airport terminal		1° 52' 01" S 9° 52' 59" E	
Ossengue Camp site		1° 55' 59" S 9° 54' 00" E	
(see also: Gamba complex)			
Rabi 59 site		1° 57' 00" S 9° 52' 01" E	
Rabi Oil Field, 3 km N airport terminal		1° 55' 01" S 9° 52' 59" E	
Rabi Oil Field, 6 km N airport terminal		1° 52' 01" S 9° 52' 59" E	
Toucan site		1° 48' 00" S 9° 54' 00" E	
Well 45, 1 km NE, Rabi Oilfield	ca.	1° 55' 01" S 9° 52' 59" E	
Well 59, 100 m N, Rabi Oilfield	ca.	1° 55' 01" S 9° 52' 59" E	
Réserve de la Moukalaba (see Moukalaba Reserve), 12.2 km NW Doussala		2° 17' 00" S 10° 29' 50" E	110 m
Setté Cama		2° 32' 00" S 9° 45' 00" E	0 m
(see also: Cette Cama)			
Woleu-Ntem province			
Midzik (see Mitzic)		0° 47' 00" N 11° 34' 00" E	549 m
Minvoul, 28 km ESE (see Projet OIBT trail (PK 24))		2° 05' 12" N 12° 22' 30" E	600 m
Minvoul, 31 km ESE (see Projet OIBT trail (PK 29))		2° 04' 48" N 12° 24' 24" E	600 m
Mitzic		0° 47' 00" N 11° 34' 00" E	549 m
(see also: Midzik, Mitzick, Mitzig, Mitzig, Mitzik)			
Mitzick (see Mitzic)		0° 47' 00" N 11° 34' 00" E	549 m

Mitzig (see Mitzic)		0° 47' 00" N 11° 34' 00" E	549 m
Mitzig (see Mitzic)		0° 47' 00" N 11° 34' 00" E	549 m
Mitzik (see Mitzic)		0° 47' 00" N 11° 34' 00" E	549 m
Oyem		1° 35' 54" N 11° 34' 31" E	552 m
Projet OIBT trail (PK 24), 28 km ESE Minvoul (see also: Minvoul, 28 km ESE)		2° 05' 12" N 12° 22' 30" E	600 m
Projet OIBT trail (PK 29), 31 km ESE Minvoul (see also: Minvoul, 31 km ESE)		2° 04' 48" N 12° 24' 24" E	600 m
Zedee lake (see Lac Zedee)			
Zodié Cave		0° 58' 48" N 13° 11' 24" E	
Galpa river			
Gambi Kayes			
Gambia, The (see The Gambia)			
Ghana			
Afegame, 3 mi [=4.8 km] E	ca.	7° 08' 00" N 0° 35' 00" E	
Agogo			
Agogo, 1 mi W			
Akinim Buem State Togoland			
Ashanti region			
Abodomasi (see Bodomasi), 58 km from Ksi		6° 53' 37" N 1° 15' 19" W	369 m
Adamso		6° 04' 00" N 1° 47' 00" W	139 m
Ahireso (see also: Ahiriso, Ahyireso, Ahyiresu)		6° 32' 00" N 2° 20' 00" W	160 m
Ahiriso (see Ahireso)		6° 32' 00" N 2° 20' 00" W	160 m
Ahyireso (see Ahireso)		6° 32' 00" N 2° 20' 00" W	160 m
Ahyiresu (see Ahireso)		6° 32' 00" N 2° 20' 00" W	160 m
Akrochire, 38 mi [=61 km] NE Kumasi (see also: Akrokyere, Kumasi, 38 mi [=61 km] NE)		6° 56' 00" N 1° 20' 00" W	282 m
Akrokyere (see Akrochire), 38 mi [=61 km] NE Kumasi		6° 56' 00" N 1° 20' 00" W	282 m
Ankasi, on lake side, ?? mi from Ksi	ca.	6° 22' 00" N 1° 34' 00" W	
Ankasi, 17 mi [=27 km] from Ksi [= Kumasi] (see also: Ksi, 17 mi [=27 km] from, Kumasi, 17 mi [=27 km] from)		6° 39' 00" N 1° 22' 00" W	217 m
Ash Mampong, Ksi-Tamale Road, 30 mi		7° 06' 00" N 1° 19' 00" W	
Bekawi (see Bekwai)		6° 27' 00" N 1° 35' 00" W	219 m
Bekwai (see also: Bekawi, Bekwai Ash)		6° 27' 00" N 1° 35' 00" W	219 m
Bekwai Ash (see Bekwai)		6° 27' 00" N 1° 35' 00" W	219 m
Setwi, Base Camp, 16 mi from Setwi		6° 27' 00" N 1° 28' 00" W	
Bia, New Debiso		6° 58' 00" N 1° 16' 00" W	
Bodomase (see Bodomasi)		6° 53' 37" N 1° 15' 19" W	369 m
Bodomasi (see also: Abodomasi, Bodomase, Ksi, 58 km from)		6° 53' 37" N 1° 15' 19" W	369 m
Bosomtwe, lake (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Bosum, lake (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Kojali Bach	ca.	6° 30' 00" N 1° 25' 00" W	
Bosumtivi, lake (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Bosumtwe, lake (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Bosumtwi, lake (see also: Bosomtwe, lake, Bosum, lake, Bosumtivi, lake, Bosumtwe, lake, Busumtwi, lake, Lake Bosomtwe, Lake Bosumtivi, Lake Bosumtivi Konlanasi, Lake Bosumtwe, Lake Bosumtwi, Lake Bosumtwi Konlanasi, Lake Busumtwi)		6° 30' 00" N 1° 25' 00" W	
Busumtwi, lake (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Dunkwa		5° 58' 00" N 1° 47' 00" W	117 m
Dwaaso (see Juaso)		6° 35' 00" N 1° 07' 00" W	218 m
Edubiase, 15 mi [=24 km] S (see New Edubiase)		6° 04' 00" N 1° 24' 00" W	152 m
Juaso (see also: Dwaaso)		6° 35' 00" N 1° 07' 00" W	218 m
Konongo		6° 37' 00" N 1° 13' 00" W	231 m
Ksi (see Kumasi)		6° 41' 00" N 1° 37' 00" W	246 m
Ksi Forest Reserve (see Kumasi area) (see also: Ksi Forest Reserve, Town 5 km from)	ca.	6° 40' 00" N 1° 36' 00" W	
Ksi Forest Reserve, Town 5 km from (see Ksi Forest Reserve)	ca.	6° 40' 00" N 1° 36' 00" W	
Ksi, 17 mi [=27 km] from (see Ankasi)		6° 39' 00" N 1° 22' 00" W	217 m
Ksi, 58 km from (see Bodomasi)		6° 53' 37" N 1° 15' 19" W	369 m
Kumasi (see also: Ksi)		6° 41' 00" N 1° 37' 00" W	246 m
Kumasi University		6° 41' 00" N 1° 37' 00" W	246 m
Kumasi Agricultural Station (see Kumasi, UST Agricultural Farm)		6° 45' 00" N 1° 34' 00" W	246 m

Kumasi area	ca.	6° 40' 00" N 1° 36' 00" W	
(see also: Ksi Forest Reserve, Kusasi area)			
Kumasi, 17 mi [=27 km] from (see Ankasi)		6° 39' 00" N 1° 22' 00" W	217 m
Kumasi, 17 mi [=27.4 km] from, Lakeside		6° 45' 00" N 1° 35' 00" W	
Kumasi, 38 mi [=61 km] NE (see Akrochire)		6° 56' 00" N 1° 20' 00" W	282 m
Kumasi, near	ca.	6° 40' 00" N 1° 35' 00" W	
Kumasi, UST Agricultural Farm		6° 45' 00" N 1° 34' 00" W	246 m
(see also: Kumasi Agricultural Station)			
Kumasi-Dunkwa road		6° 40' 00" N 1° 35' 00" W	
Kumawu		6° 54' 00" N 1° 17' 00" W	439 m
Kusasi area (see Kumasi area)	ca.	6° 40' 00" N 1° 36' 00" W	
Kuuni, 48 km (see Mpesetia)		6° 39' 00" N 1° 51' 00" W	226 m
Kuuni, 48 mi [=77 km] from (see Mpesetia), 48 mi [=77 km] from Kumasi		6° 39' 00" N 1° 51' 00" W	226 m
Kuuni, 77 km (see Mpesetia)		6° 39' 00" N 1° 51' 00" W	226 m
Lake Bosomtwe (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtivi (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtivi Konlanasi (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtwe (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtwi (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtwi Konlanasi (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Busumtwi (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Mampon (see Mampong), Lakeside		7° 04' 00" N 1° 24' 00" W	385 m
Mampon Asante (see Mampong), Lakeside		7° 04' 00" N 1° 24' 00" W	385 m
Mampong, Lakeside		7° 04' 00" N 1° 24' 00" W	385 m
(see also: Mampon, Mampon Asante, Mapon, MomPort)			
Mapon (see Mampong), Asheki		7° 04' 00" N 1° 24' 00" W	385 m
MomPort (see Mampong), Lakeside		7° 04' 00" N 1° 24' 00" W	385 m
Mpasaatia (see Mpasatia)		6° 39' 50" N 1° 50' 40" W	
Mpasatia, near Kumasi		6° 39' 50" N 1° 50' 40" W	
(see also: Mpasaatia)			
Mpesetia, Kumasi, 24 mi [=36 km] W		6° 39' 00" N 1° 51' 00" W	226 m
(see also: Kuuni, 48 km, Kuuni, 48 mi [=77 km] from, Kuuni, 77 km, Mpisalia)			
Mpisalia (see Mpesetia), Holok		6° 39' 00" N 1° 51' 00" W	226 m
New Edubiase, 15 mi S [=24 km] Edubiase		6° 04' 00" N 1° 24' 00" W	152 m
(see also: Edubiase, 15 mi [=24 km] S)			
New Edubiase, 15 mi [=24 km] S	ca.	6° 04' 00" N 1° 24' 00" W	
Nkaw Nkaw (see Nkawkaw)		6° 33' 00" N 0° 46' 00" W	253 m
Nkawkaw		6° 33' 00" N 0° 46' 00" W	253 m
(see also: Nkaw Nkaw, Nkokoo)			
Nkawkaw, 1 mi [=1.6 km] N		6° 33' 00" N 0° 44' 00" W	
Nkawkaw, 3.25 km N, 1.33 km W		6° 32' 00" N 0° 44' 00" W	
Nkokoo (see Nkawkaw)		6° 33' 00" N 0° 46' 00" W	253 m
Ntronan (see Ntronang)		6° 21' 00" N 1° 05' 00" W	165 m
Ntronane (see Ntronang)		6° 21' 00" N 1° 05' 00" W	165 m
Ntronang		6° 21' 00" N 1° 05' 00" W	165 m
(see also: Ntronan, Ntronane)			
Oboasi		6° 15' 00" N 1° 36' 00" W	
(see also: Oboasi Mines)			
Oboasi Mines (see Oboasi)		6° 15' 00" N 1° 36' 00" W	
Ofinso		6° 54' 00" N 1° 39' 00" W	262 m
(see also: Ofinsu, Old Offinso)			
Ofinsu (see Ofinso)		6° 54' 00" N 1° 39' 00" W	262 m
Old Offinso (see Ofinso)		6° 54' 00" N 1° 39' 00" W	262 m
Wiawso, Bekwai, Setwi base camp, Setwi, 16mi		6° 27' 00" N 1° 28' 00" W	
Yanfori, near Dukwa		5° 59' 00" N 1° 45' 00" W	
Banda			
Brong Ahafo region			
Ahinkrom (see Dormaa Ahenkro)		7° 17' 00" N 2° 53' 00" W	269 m
Asubengya (see Subinja), 2 mi E Wenchi		7° 44' 00" N 2° 04' 00" W	290 m
Bechem		7° 05' 00" N 2° 02' 00" W	293 m
Dormaa Ahenkro		7° 17' 00" N 2° 53' 00" W	269 m
(see also: Ahinkrom, Pamu)			
Gawso		6° 48' 00" N 2° 31' 00" W	188 m
(see also: Goaso, Gooso)			
Goaso (see Gawso)		6° 48' 00" N 2° 31' 00" W	188 m
Gooso (see Gawso)		6° 48' 00" N 2° 31' 00" W	188 m
Kintampo		8° 03' 00" N 1° 43' 00" W	288 m
Kokofu		7° 43' 00" N 0° 53' 00" W	151 m
(see also: Kokofu Dente)			
Kokofu Dente (see Kokofu)		7° 43' 00" N 0° 53' 00" W	151 m
Pamu (see Dormaa Ahenkro)		7° 17' 00" N 2° 53' 00" W	269 m
Pran (see Prang)		7° 59' 00" N 0° 53' 00" W	111 m

Prang		7° 59' 00" N 0° 53' 00" W	111 m
(see also: Pran)			
Subinagya (see Subinja), 2 mi E Wenchi		7° 44' 00" N 2° 04' 00" W	290 m
Subinja, 2 mi [=3 km] E Wenchi		7° 44' 00" N 2° 04' 00" W	290 m
(see also: Asubengya, Subinagya)			
Wenchi		7° 44' 00" N 2° 06' 00" W	303 m
Yabiraso (see Yabraso)		7° 34' 00" N 1° 11' 00" W	152 m
Yabraso		7° 34' 00" N 1° 11' 00" W	152 m
(see also: Yabiraso, Yabraso Number 1)			
Yabraso Number 1 (see Yabraso)		7° 34' 00" N 1° 11' 00" W	152 m
Bunso			
Central region			
Anamabo (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anamaboe (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anamabu (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anamabu Castle (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anomabo (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anomabu		5° 10' 00" N 1° 07' 00" W	0 m
(see also: Anamabo, Anamaboe, Anamabu, Anamabu Castle, Anomabo, Anomabu Castle, Fort William)			
Anomabu Castle (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Bimpong Forest Reserve		5° 43' 00" N 1° 28' 00" W	
Cabo Corso (see Cape Coast)		5° 06' 00" N 1° 15' 00" W	0 m
Cape Coast		5° 06' 00" N 1° 15' 00" W	0 m
(see also: Cabo Corso, Cape Coast Castle, Igua Ogwa, Ogwa)			
Cape Coast Castle (see Cape Coast)		5° 06' 00" N 1° 15' 00" W	0 m
Dena (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Dwokwaa (see Jukwa)		5° 16' 00" N 1° 20' 00" W	74 m
Edina (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Elemina (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Elima and Cape Coast, between	ca.	5° 05' 00" N 1° 15' 00" W	
Elmina		5° 05' 00" N 1° 21' 00" W	0 m
(see also: Dena, Edina, Elemina, Fort St. George, Saint George Del Mina, St. George d'Elmina)			
Fort St. George (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Fort William (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Igua Ogwa (see Cape Coast)		5° 06' 00" N 1° 15' 00" W	0 m
Jukwa		5° 16' 00" N 1° 20' 00" W	74 m
(see also: Dwokwaa)			
Saruwi river		5° 06' 00" N 1° 19' 00" W	
(see also: Sirwi river, Suruwi river, Suwi river)			
Sirwi river (see Saruwi river)		5° 06' 00" N 1° 19' 00" W	
Suruwi river (see Saruwi river)		5° 06' 00" N 1° 19' 00" W	
Suwi river (see Saruwi river)		5° 06' 00" N 1° 19' 00" W	
Mankesim		5° 16' 00" N 1° 01' 00" W	74 m
(see also: Mankesin, Mankessim, Nankasi)			
Mankesim, near	ca.	5° 16' 00" N 1° 01' 00" W	ca. 75 m
(see also: Mankesin, vicinity of)			
Mankesin (see Mankesim)		5° 16' 00" N 1° 01' 00" W	74 m
Mankesin, vicinity of (see Mankesim, near)	ca.	5° 16' 00" N 1° 01' 00" W	ca. 75 m
Mankessim (see Mankesim)		5° 16' 00" N 1° 01' 00" W	74 m
Nankasi (see Mankesim)		5° 16' 00" N 1° 01' 00" W	74 m
Ogwa (see Cape Coast)		5° 06' 00" N 1° 15' 00" W	0 m
Pra Suhien Forest Reserve		5° 19' 10" N 1° 26' 49" W	
Pristia Mines			
Saint George Del Mina (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Simpa (see Winneba)		5° 20' 00" N 0° 37' 00" W	0 m
St. George d'Elmina (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Takwa Mines		5° 28' 00" N 0° 51' 00" W	74 m
Winneba		5° 20' 00" N 0° 37' 00" W	0 m
(see also: Simpa, Winnebah)			
Winnebah (see Winneba)		5° 20' 00" N 0° 37' 00" W	0 m
Côte d'Or			
Dadoya, 7 mi W			
Eastern region			
Abanase (see Avetile)		6° 32' 00" N 0° 14' 00" E	307 m
Abanasi (see Avetile)		6° 32' 00" N 0° 14' 00" E	307 m
Abetife (see Abetifi)		6° 40' 00" N 0° 45' 00" W	552 m
Abetifi		6° 40' 00" N 0° 45' 00" W	552 m
(see also: Abetife)			
Aburi hills, 10 mi [=16 km] N Legon		5° 46' 59" N 0° 10' 59" W	
(see also: Legon, 10 mi [=16 km] N)			
Achimota Forest Reserve		5° 40' 01" N 0° 12' 00" W	

Adawaso (see Adawso)		5° 57' 00" N 0° 13' 00" W	148 m
Adawaso, 1 mi [=1.6 km] E	ca.	5° 57' 00" N 0° 13' 00" W	
Adawaso, 1.9 mi [=3 km] NW	ca.	5° 57' 00" N 0° 13' 00" W	
Adawaso, 4.7 mi [=7.5 km] E	ca.	5° 57' 00" N 0° 13' 00" W	
Adawaso, 5.7 mi [=9 km] E	ca.	5° 57' 00" N 0° 13' 00" W	
Adawso		5° 57' 00" N 0° 13' 00" W	148 m
(see also: Adawaso, Adowso)			
Adowso (see Adawso)		5° 57' 00" N 0° 13' 00" W	148 m
Aiyikuma		5° 55' 00" N 0° 03' 00" W	43 m
(see also: Ayikuma)			
Akomo (see Akwamu)		6° 17' 00" N 0° 05' 00" E	152 m
Akonsonbo (see Akosombo)		6° 18' 00" N 0° 03' 00" E	76 m
Akoso Mbo (see Akosombo)		6° 18' 00" N 0° 03' 00" E	76 m
Akosombo		6° 18' 00" N 0° 03' 00" E	76 m
(see also: Akonsonbo, Akoso Mbo, Kosombo, Oko sombo)			
Akwamu		6° 17' 00" N 0° 05' 00" E	152 m
(see also: Akomo, Akwamufe, Akwamufie)			
Akwamu, 5 mi [=8 km] W	ca.	6° 14' 00" N 0° 07' 00" E	
Akwamufe (see Akwamu)		6° 17' 00" N 0° 05' 00" E	152 m
Akwamufe, 1 mi [=1.6 km] N	ca.	6° 16' 00" N 0° 07' 00" E	
Akwamufie (see Akwamu)		6° 17' 00" N 0° 05' 00" E	152 m
Anum		6° 29' 00" N 0° 09' 00" E	234 m
Anum, 4 mi [=6.4 km] S	ca.	6° 30' 00" N 0° 10' 00" E	ca. 230 m
Anum-Asikuma, 1 mi [=1.6 km] N (see Asikuma, 1 mi [=1.6 km] N)		6° 25' 00" N 0° 10' 00" E	147 m
Asikuma, 1 mi [=1.6 km] N		6° 25' 00" N 0° 10' 00" E	147 m
(see also: Anum-Asikuma, 1 mi [=1.6 km] N)			
Avetile		6° 32' 00" N 0° 14' 00" E	307 m
(see also: Abanase, Abanasi, Peki Aventile)			
Ayikuma (see Aiyikuma)		5° 55' 00" N 0° 03' 00" W	43 m
Begoro		6° 17' 00" N 0° 23' 00" W	447 m
Boti Falls, 20 mi N Korforidua		6° 22' 00" N 0° 19' 00" W	
(see also: Korforidua, 20 mi [=32 km] N)			
Impriso			
Kade Agricultural Research Station		6° 05' 00" N 0° 50' 00" W	127 m
Kade Agricultural Research Station, SE		6° 05' 00" N 0° 50' 00" W	127 m
Kade, 11 km NE		6° 07' 00" N 0° 34' 00" W	
Kade, 6 mi [=9.7 km] N		6° 10' 00" N 0° 50' 00" W	
Kade, 6 mi [=9.7 km] NW		6° 09' 00" N 0° 54' 00" W	
Kade, 7 mi [=11.3 km] NE		6° 09' 00" N 0° 45' 00" W	
Koforidua		6° 05' 00" N 0° 15' 00" W	238 m
Korforidua, 20 mi [=32 km] N (see Boti Falls)		6° 22' 00" N 0° 19' 00" W	
Kosombo (see Akosombo)		6° 18' 00" N 0° 03' 00" E	76 m
Kpeve		6° 41' 00" N 0° 20' 00" E	188 m
(see also: Kpeve Gbohome, Kpeve Gboyeme)			
Kpeve Gbohome (see Kpeve)		6° 41' 00" N 0° 20' 00" E	188 m
Kpeve Gboyeme (see Kpeve)		6° 41' 00" N 0° 20' 00" E	188 m
Krobo, mountain		6° 04' 59" N 0° 03' 00" E	
(see also: Mount Krobo)			
Kwahu mountains	ca.	6° 40' 00" N 0° 40' 00" W	
Obomen, Mpriaso, near		6° 35' 00" N 0° 45' 00" W	402 m
Larteh Junction, 2 km from Larteh	ca.	5° 54' 00" N 0° 04' 00" W	
(see also: Larteh, 2 km from)			
Larteh, 2 km from (see Larteh Junction)	ca.	5° 54' 00" N 0° 04' 00" W	
Larteh, 3 km S	ca.	5° 56' 00" N 0° 04' 00" W	
Larteh, 5 km S	ca.	5° 56' 00" N 0° 04' 00" W	
Legon, 10 mi [=16 km] N (see Aburi hills)		5° 46' 59" N 0° 10' 59" W	
Mamfe		5° 55' 59" N 0° 07' 00" W	424 m
Misahöhe		6° 57' 00" N 0° 06' 00" E	
(see also: Missahohé)			
Missahohé (see Misahöhe)		6° 57' 00" N 0° 06' 00" E	
Mount Krobo (see Krobo, mountain)		6° 04' 59" N 0° 03' 00" E	
Mpraeso		6° 35' 00" N 0° 44' 00" W	367 m
Oda and Akim, between		5° 54' 00" N 0° 55' 00" W	
Oda district			
Akim Oda (see Oda)		5° 55' 00" N 0° 59' 00" W	218 m
Akim Oda, near (see Oda, near)	ca.	5° 55' 00" N 1° 00' 00" W	
Insuaim (see Oda)		5° 55' 00" N 0° 59' 00" W	218 m
Nsuaem (see Oda)		5° 55' 00" N 0° 59' 00" W	218 m
Oda		5° 55' 00" N 0° 59' 00" W	122 m
(see also: Akim Oda, Insuaim, Nsuaem, Oda Secondary School)			
Oda Secondary School (see Oda)		5° 55' 00" N 0° 59' 00" W	122 m
Oda, near	ca.	5° 55' 00" N 1° 00' 00" W	
(see also: Akim Oda, near)			

Oko sombo (see Akosombo)		6° 18' 00" N 0° 03' 00" E	76 m
Okorase		6° 02' 00" N 0° 15' 00" W	207 m
(see also: Okorasi)			
Okorasi (see Okorase)		6° 02' 00" N 0° 15' 00" W	207 m
Peki Aventile (see Avetile)		6° 32' 00" N 0° 14' 00" E	307 m
Somanya, 3.2 km E	ca.	6° 06' 00" N 0° 01' 00" W	
Suhum, 2.4 mi [=3.9 km] E	ca.	6° 02' 00" N 0° 27' 00" W	
Tinkon, 3 mi [=4.8 km] NW (see Tinkong, 3 mi [=4.8 km] NW)	ca.	5° 59' 00" N 0° 14' 00" W	171 m
Tinkong, 3 mi [=4.8 km] NW	ca.	5° 59' 00" N 0° 14' 00" W	171 m
(see also: Tinkon, 3 mi [=4.8 km] NW)			
Tsibu, 2 mi [=3.2 km] SSW	ca.	6° 34' 00" N 0° 17' 00" E	248 m
Tsibu, 7 mi [=11.3 km] N	ca.	6° 34' 00" N 0° 17' 00" E	
Undefined locality (Eastern region)		6° 45' 00" N 1° 30' 00" W	
Fra Fra Country	ca.	10° 30' 00" N 0° 30' 00" W	
Gold Coast	ca.	5° 20' 00" N 0° 45' 00" W	
(see also: Goldküste)			
Goldküste (see Gold Coast)	ca.	5° 20' 00" N 0° 45' 00" W	
Greater Accra region			
Abokobi		5° 44' 00" N 0° 12' 00" W	70 m
Aburi		5° 51' 00" N 0° 11' 00" W	300 m
(see also: Aburi)			
Aburi Botanic Garden		5° 51' 00" N 0° 11' 00" W	300 m
Accra		5° 33' 00" N 0° 13' 00" W	98 m
(see also: Akra)			
Nuanga Road		5° 33' 00" N 0° 15' 00" W	
Accra, 9 mi [=14.5 km] NE		5° 33' 00" N 0° 15' 00" W	
Accra, 9 mi [=14.5 km] NNE (see Legon)		5° 39' 00" N 0° 11' 00" W	30 m
Accra-Kade Road		5° 33' 00" N 0° 15' 00" W	
Achimota, between Legon and Accra		5° 37' 00" N 0° 14' 00" W	82 m
(see also: Achimota College, Achimota Village, Archimota)			
Achimota College (see Achimota)		5° 37' 00" N 0° 14' 00" W	82 m
Achimota Village (see Achimota)		5° 37' 00" N 0° 14' 00" W	82 m
Achwerase, Aburi, near, concrete culvert in a forest		5° 39' 00" N 0° 11' 00" W	
Akra (see Accra)		5° 33' 00" N 0° 13' 00" W	98 m
Archimota (see Achimota), between Legon and Accra		5° 37' 00" N 0° 14' 00" W	82 m
Berekuso		5° 45' 00" N 0° 13' 00" W	160 m
(see also: Birekuso)			
Berekuso, 1 mi [=1.6 km] N		5° 45' 00" N 0° 13' 00" W	160 m
(see also: Birekuso, 1 mi [=1.6 km] N)			
Birekuso (see Berekuso)		5° 45' 00" N 0° 13' 00" W	160 m
Birekuso, 1 mi [=1.6 km] N (see Berekuso, 1 mi [=1.6 km] N)		5° 45' 00" N 0° 13' 00" W	160 m
Kwabenya, Legon, near Accra		5° 41' 18" N 0° 14' 43" W	88 m
Legion (see Legon), 9 mi [=14.5 km] NNE Accra		5° 39' 00" N 0° 11' 00" W	30 m
Legon, 9 mi [=14.5 km] NNE Accra		5° 39' 00" N 0° 11' 00" W	30 m
(see also: Accra, 9 mi [=14.5 km] NNE, Legion, Legon University, University of Ghana)			
Legon University (see Legon)		5° 39' 00" N 0° 11' 00" W	75 m
Legon, 1 mi [=1.6 km] N	ca.	5° 39' 00" N 0° 11' 00" W	
Nungoa (see Nungua)		5° 36' 00" N 0° 04' 00" W	0 m
Nungua		5° 36' 00" N 0° 04' 00" W	0 m
(see also: Nungoa, Nungwa)			
Nungwa (see Nungua)		5° 36' 00" N 0° 04' 00" W	0 m
Shai Hills		5° 54' 30" N 0° 03' 41" E	
Shai Hills Game Reserve		5° 57' 00" N 0° 04' 00" E	
(see also: Shai Hills Resource Reserve)			
Doyum		5° 54' 00" N 0° 01' 00" E	46 m
(see also: Doyumu)			
Doyumu (see Doyum)		5° 54' 00" N 0° 01' 00" E	46 m
Magazine	ca.	5° 50' 00" N 0° 05' 00" E	
Magazine, hill top near	ca.	5° 50' 00" N 0° 05' 00" E	
Shai Hills Resource Reserve (see Shai Hills Game Reserve)		5° 57' 00" N 0° 04' 00" E	
Shai Hills Resources Reserve, North End		5° 57' 00" N 0° 04' 00" E	
Tassi (see Teshi)		5° 35' 00" N 0° 06' 00" W	68 m
Teshi		5° 35' 00" N 0° 06' 00" W	68 m
(see also: Tassi, Teshie)			
Teshie (see Teshi)		5° 35' 00" N 0° 06' 00" W	68 m
Tutu		5° 53' 00" N 0° 09' 00" W	305 m
University of Ghana (see Legon)		5° 39' 00" N 0° 11' 00" W	75 m
Weija		5° 34' 00" N 0° 20' 00" W	74 m
Gukstenar			
Javiefe			
Kongo mines			

Legion Folly			
Masabia Hshubi		7° 04' 00" N 1° 24' 00" W	385 m
Northern region			
Bimbila (see also: Bimbilla)		8° 51' 00" N 0° 04' 00" E	172 m
Bimbilla (see Bimbila)		8° 51' 00" N 0° 04' 00" E	172 m
Bimbilla, 15 mi [=24 km] S		8° 52' 00" N 0° 04' 00" E	
Busunu, 30 - 33 mi from Damongo		9° 09' 00" N 1° 30' 00" W	145 m
Damango Scarps, About 17 mi to Rocks, near Mole river		9° 03' 00" N 1° 36' 00" W	
Damongo		9° 05' 00" N 1° 49' 00" W	230 m
Damongo, 1 mi [=1.6 km] NE		9° 04' 00" N 1° 45' 00" W	
Damongo, 30 - 33 mi [=48 - 53 km] from		9° 16' 00" N 1° 30' 00" W	
Gambaga		10° 32' 00" N 0° 26' 32" W	312 m
Mole Game Reserve (see also: Mole National Park)		9° 50' 00" N 1° 49' 00" W	
Bangweli Camp		9° 42' 00" N 1° 53' 00" W	
Bungeli, near (see Bungweli, near)	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Bungueli, near (see Bungweli, near)	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Bungweli, near (see also: Bungeli, near, Bungueli, near)	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Damango, near		9° 15' 00" N 1° 45' 00" W	
Konkori, NE	ca.	9° 36' 00" N 1° 46' 00" W	ca. 350 m
Konkori, NE escarpment top	ca.	9° 40' 00" N 1° 45' 00" W	
Larabanga, near (see also: Laribanga, near)	ca.	9° 13' 00" N 1° 51' 00" W	189 m
Laribanga, near (see Larabanga, near)	ca.	9° 13' 00" N 1° 51' 00" W	189 m
Lovi Camp		9° 27' 00" N 1° 58' 00" W	
Mole Game Reserve, river below Headquarters	ca.	9° 50' 00" N 1° 49' 00" W	
Mole Motel, Damongo		9° 50' 00" N 1° 49' 00" W	
Mole Motel, 2nd dam below	ca.	9° 50' 00" N 1° 49' 00" W	
Mole National Park (see Mole Game Reserve)		9° 50' 00" N 1° 49' 00" W	
Mole National Park Headquarters		9° 50' 00" N 1° 49' 00" W	
Naboggo (see Nabogo)		9° 44' 25" N 0° 49' 29" W	137 m
Nabogo (see also: Naboggo, Nabugge, Nabuggo)		9° 44' 25" N 0° 49' 29" W	137 m
Nabugge (see Nabogo)		9° 44' 25" N 0° 49' 29" W	137 m
Nabuggo (see Nabogo)		9° 44' 25" N 0° 49' 29" W	137 m
Pong-Tamale (see also: Pung, Pung Tamale, Tamale)		9° 41' 06" N 0° 49' 57" W	146 m
Pung (see Pong-Tamale)		9° 41' 06" N 0° 49' 57" W	146 m
Pung Tamale (see Pong-Tamale)		9° 41' 06" N 0° 49' 57" W	146 m
Sakpa		8° 52' 00" N 2° 21' 00" W	255 m
Samole Motel Camp		9° 17' 00" N 1° 47' 00" W	
Sawla, 15 mi [=24 km] E	ca.	9° 17' 00" N 2° 25' 00" W	
Tamale (see Pong-Tamale)		9° 41' 06" N 0° 49' 57" W	146 m
Voulkhé-Sokhani (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wulasi (see also: Voulkhé-Sokhani , Wulehe Sokhani, Wulehe-Sochani, Wulenchi , Wulensi , Wulentschi , Wuleschi)		8° 39' 18" N 0° 00' 05" W	
Wulehe Sokhani (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wulehe-Sochani (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wulenchi (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wulensi (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wulentschi (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wuleschi (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Sogakofe			
Tafo			
Todzi			
Upper (province)			
Upper East region			
Shishe (see also: Shishie)		10° 42' 00" N 0° 13' 00" W	213 m
Shishie (see Shishe)		10° 42' 00" N 0° 13' 00" W	213 m
Upper West or Upper East region			
Upper West region			
Bangmo (see Bangwon)		10° 58' 00" N 2° 41' 00" W	303 m
Bangwon (see also: Bangmo)		10° 58' 00" N 2° 41' 00" W	303 m
Gbele Game Production Reserve (see also: Gbele Resource Reserve)		10° 31' 18" N 2° 13' 22" W	200 m
Gbele Resource Reserve (see Gbele Game Production Reserve)		10° 31' 18" N 2° 13' 22" W	200 m
Han, about 25 mi [=40 km] SE, between Kulpawn and Yelibifuo Rivers	ca.	10° 15' 00" N 2° 09' 00" W	

Lawra, Mouhoun river	ca.	10° 39' 00" N 2° 52' 00" W	253 m
Perisi (see Pirisi)		10° 07' 00" N 2° 27' 00" W	303 m
Pirisi		10° 07' 00" N 2° 27' 00" W	303 m
(see also: Perisi)			
Pulima		10° 51' 00" N 2° 03' 00" W	306 m
Tumu area	ca.	10° 53' 00" N 1° 59' 00" W	ca. 300 m
Volta region			
Adanka village, near, 4.5 km N Apesokubi		7° 38' 00" N 0° 23' 00" E	
(see also: Apesokubi, 4.5 km N, Apesokubi, 4.5 km N)			
Afegame, Agumatsa River		7° 08' 00" N 0° 35' 00" E	415 m
(see also: Apegame)			
Aflahu (see Aflao)		6° 07' 04" N 1° 11' 34" E	61 m
Aflao		6° 07' 04" N 1° 11' 34" E	61 m
(see also: Aflahu, Afloa, Dano, Porura)			
Aflao, 105 km W		6° 07' 04" N 0° 14' 39" E	
(see also: Afloa, 105 km W)			
Aflao, 72 km W		6° 07' 00" N 1° 11' 00" E	
(see also: Afloa, 72 km W)			
Afloa (see Aflao)		6° 07' 04" N 1° 11' 34" E	61 m
Afloa, 105 km W (see Aflao, 105 km W)		6° 07' 04" N 0° 14' 39" E	
Afloa, 72 km W (see Aflao, 72 km W)		6° 07' 00" N 1° 11' 00" E	
Agumatsa Wildlife Sanctuary, Agumatsa river, near Afegame	ca.	7° 07' 00" N 0° 36' 00" E	
Wli Afegame, Agumatsa River		7° 08' 00" N 0° 35' 00" E	415 m
Wli Waterfall, Agumatsa River, near Afegame	ca.	7° 08' 00" N 0° 35' 00" E	
Akeniem		8° 08' 00" N 0° 16' 00" W	
Amedjofe (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Amedschovhe (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Amedschowe (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Amedzofe		6° 51' 00" N 0° 26' 00" E	677 m
(see also: Amedjofe, Amedschovhe, Amedschowe, Amedzope, Ameiope, Amejove)			
Amedzope (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Ameiope (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Amejove (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Apegame (see Afegame), Agumatsa River		7° 08' 00" N 0° 35' 00" E	415 m
Apesokubi		7° 35' 00" N 0° 24' 00" E	200 m
Apesokubi, 4.5 km N (see Adanka village, near)		7° 38' 00" N 0° 23' 00" E	
Bame		6° 40' 00" N 0° 21' 00" E	173 m
Bame, 7 mi [=11 km] S		6° 37' 01" N 0° 18' 00" E	
Bataw (see Bator)		6° 04' 00" N 0° 25' 00" E	56 m
Bator		6° 04' 00" N 0° 25' 00" E	56 m
(see also: Bataw, Battor)			
Battor (see Bator)		6° 04' 00" N 0° 25' 00" E	56 m
Dano (see Aflao)		6° 07' 04" N 1° 11' 34" E	61 m
Dano (see Denu)		6° 05' 55" N 1° 08' 50" E	60 m
Danoe (see Denu)		6° 05' 55" N 1° 08' 50" E	60 m
Danu (see Denu)		6° 05' 55" N 1° 08' 50" E	60 m
Denu		6° 05' 55" N 1° 08' 50" E	60 m
(see also: Dano, Danoe, Danu)			
Gabi (see Kpandu)		7° 00' 00" N 0° 18' 00" E	151 m
Ho		6° 36' 00" N 0° 28' 00" E	153 m
Kadjebi (see Kadjiebi)		7° 32' 00" N 0° 28' 00" E	281 m
Kadjiebi		7° 32' 00" N 0° 28' 00" E	281 m
(see also: Kadjebi, Kagyebi, Kajiebi)			
Kagyebi (see Kadjiebi)		7° 32' 00" N 0° 28' 00" E	281 m
Kajiebi (see Kadjiebi)		7° 32' 00" N 0° 28' 00" E	281 m
Keta		5° 55' 00" N 0° 59' 00" E	48 m
(see also: Kitta, Kwitta, Quittah)			
Kete (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kete Krachi		7° 48' 00" N 0° 01' 00" W	83 m
(see also: Kete, Kete Krakye, Kete Kratchi, Kete-Kratschi, Kete-Ktachi, Krachi, Krete Kratschi)			
Kete Krakye (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kete Kratchi (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kete-Kratschi (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kete-Ktachi (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kitta (see Keta)		5° 55' 00" N 0° 59' 00" E	48 m
Kpando		7° 00' 00" N 0° 18' 00" E	151 m
Kpandu		7° 00' 00" N 0° 18' 00" E	151 m
(see also: Gabi, Kpaudu, Tsakpe)			
Kpaudu (see Kpandu)		7° 00' 00" N 0° 18' 00" E	151 m
Krachi (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Krete Kratschi (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kunjuruma			

Kwitta (see Keta)		5° 55' 00" N 0° 59' 00" E	48 m
Leklebi Agbesia		6° 56' 00" N 0° 29' 00" E	
Nkwanta, 2 mi [=3.2 km] E (see Odomi)		8° 19' 00" N 0° 31' 00" E	324 m
Odome (see Odomi), 2 mi [=3.2 km] E Nkwanta		8° 19' 00" N 0° 31' 00" E	324 m
Odomi, 2 mi [=3.2 km] E Nkwanta (see also: Nkwanta, 2 mi [=3.2 km] E, Odome, Odomi Jongo)		8° 19' 00" N 0° 31' 00" E	324 m
Odomi Jongo (see Odomi), 2 mi [=3.2 km] E Nkwanta		8° 19' 00" N 0° 31' 00" E	324 m
Porura (see Aflao)		6° 07' 04" N 1° 11' 34" E	61 m
Quittah (see Keta)		5° 55' 00" N 0° 59' 00" E	48 m
Schiare (see Shiare)		8° 18' 00" N 0° 36' 00" E	728 m
Shiare (see also: Schiare, Siade)		8° 18' 00" N 0° 36' 00" E	728 m
Siade (see Shiare)		8° 18' 00" N 0° 36' 00" E	728 m
Sogakofe (see also: Sogakope, Sogakorpe, Sogankofe)		6° 00' 00" N 0° 36' 00" E	48 m
Sogakope (see Sogakofe)		6° 00' 00" N 0° 36' 00" E	48 m
Sogakorpe (see Sogakofe)		6° 00' 00" N 0° 36' 00" E	48 m
Sogankofe (see Sogakofe)		6° 00' 00" N 0° 36' 00" E	48 m
Tsakpe (see Kpandu)		7° 00' 00" N 0° 18' 00" E	151 m
Wora Wora (see Worawora)		7° 31' 00" N 0° 22' 00" E	217 m
Worawora (see also: Wora Wora)		7° 31' 00" N 0° 22' 00" E	217 m
Western region			
Adiembra (see Ajemra)		4° 49' 00" N 2° 11' 00" W	0 m
Agyembra (see Ajemra)		4° 49' 00" N 2° 11' 00" W	0 m
Ajemera (see Ajemra)		4° 49' 00" N 2° 11' 00" W	0 m
Ajemra (see also: Adiembra, Agyembra, Ajemera, Egyambra)		4° 49' 00" N 2° 11' 00" W	0 m
Akropong		5° 45' 00" N 2° 07' 00" W	
Anhwieso (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Anima Krom (see Animakrom), 6 mi [=9.7 km] N Princess Town		4° 50' 12" N 2° 04' 46" W	73 m
Animakrom, 6 mi [=9.7 km] N Princess Town (see also: Anima Krom, Princess Town, 6 mi [=9.7 km] N)		4° 50' 12" N 2° 04' 46" W	73 m
Anwiaswo (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Asampaniye (see also: Asempanaye Sefwi, Asenparage garden, Sefwi Asemparaye, Sefwi Asenparage)		6° 30' 00" N 2° 54' 00" W	251 m
Asempanaye Sefwi (see Asampaniye)		6° 30' 00" N 2° 54' 00" W	251 m
Asenparage garden (see Asampaniye)		6° 30' 00" N 2° 54' 00" W	251 m
Axim		4° 52' 06" N 2° 14' 29" W	70 m
Babiana (see Bibiana)		6° 27' 00" N 2° 18' 00" W	720 ft
Babianeha (see Bibiana)		6° 27' 00" N 2° 18' 00" W	720 ft
Bebiana (see Bibiana)		6° 27' 00" N 2° 18' 00" W	720 ft
Bebianiha (see Bibiana)		6° 27' 00" N 2° 18' 00" W	720 ft
Bibiana (see also: Babiana, Babianeha, Bebiana, Bebianiha, Bibianaha, Bibiani)		6° 27' 00" N 2° 18' 00" W	720 ft
Bibianaha (see Bibiana), Inland from Denkwa, 60 mi [=90 km] W Kumasi (see also: Kumasi, 60 mi [=90 km] W)		6° 27' 00" N 2° 18' 00" W	720 ft
Bibiani (see Bibiana)		6° 27' 00" N 2° 18' 00" W	720 ft
Bibiani Mines		6° 30' 00" N 2° 07' 00" W	
Bogoso		5° 34' 00" N 2° 01' 00" W	84 m
Bogoso Mines		5° 34' 00" N 2° 01' 00" W	
Boi-Tano Forest Reserve		5° 32' 00" N 2° 37' 00" W	
Bootry (see Butre)		4° 49' 00" N 1° 55' 00" W	0 m
Boutry River (see Butre)		4° 49' 00" N 1° 55' 00" W	0 m
Brahababum (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Butre (see also: Bootry, Boutry River, ButrI)		4° 49' 00" N 1° 55' 00" W	0 m
ButrI (see Butre)		4° 49' 00" N 1° 55' 00" W	0 m
Draw River Forest Reserve		5° 12' 00" N 2° 20' 00" W	
Efeipo Krom		4° 57' 00" N 1° 52' 00" W	
Egyambra (see Ajemra)		4° 49' 00" N 2° 11' 00" W	0 m
Esamang, 32 mi [=51.5 km] W (see Prestea, 32 mi [=51.5 km] W)		5° 23' 00" N 2° 28' 00" W	
Fort Bladenburg (see Princes Town)		4° 47' 36" N 2° 08' 04" W	0 m
Krokosua Hills Forest Reserve, near Mmem village	ca.	6° 37' 00" N 2° 51' 00" W	
Mim (see also: Mmem village)		6° 54' 00" N 2° 34' 00" W	226 m
Mmem village (see Mim)		6° 54' 00" N 2° 34' 00" W	226 m

Kumasi, 60 mi [=90 km] W (see Bibianaha), Inland from Denkwa		6° 28' 00" N 2° 20' 00" W	720 ft
Mafia (see also: Sefwi Mafra)		6° 27' 00" N 2° 56' 00" W	159 m
Pampramase	ca.	6° 40' 00" N 2° 55' 00" W	
Prestea, 32 mi [=51.5 km] W (see also: Esamang, 32 mi [=51.5 km] W)		5° 23' 00" N 2° 28' 00" W	
Prince (see Princes Town)		4° 47' 36" N 2° 08' 04" W	0 m
Princes Town (see also: Fort Bladenburg, Prince, Princes Town, 7 mi [=11.3 km] N)		4° 47' 36" N 2° 08' 04" W	0 m
Princes Town, 7 mi [=11.3 km] N (see Princes Town) (see also: Prince's Town, 7 mi [=11.3 km] N)	ca.	4° 53' 44" N 2° 08' 29" W	0 m
Prince's Town, 7 mi [=11.3 km] N (see Princes Town, 7 mi [=11.3 km] N)	ca.	4° 53' 44" N 2° 08' 29" W	
Princess Town, 6 mi [=9.7 km] N (see Animakrom)		4° 50' 12" N 2° 04' 46" W	73 m
Sefwi Anwiawso (see also: Anhwieso, Anwiaswo, Brahababum, Sefwi Awiaso, Sehwi Anhwiaso, Sehwi Awiaso, Sewhi Wiaso)		6° 19' 50" N 2° 15' 00" W	
Sefwi Asemparaye (see Asampaniye)		6° 30' 00" N 2° 54' 00" W	251 m
Sefwi Asenparage (see Asampaniye)		6° 30' 00" N 2° 54' 00" W	251 m
Sefwi Awiaso (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Sefwi Mafra (see Mafia)		6° 27' 00" N 2° 56' 00" W	159 m
Sehwi Anhwiaso (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Sehwi Awiaso (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Sekondi		4° 56' 00" N 1° 42' 00" W	0 m
Sewhi Wiaso (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Takoradi		4° 53' 00" N 1° 45' 00" W	
Undefined locality (Western region)	ca.	6° 00' 00" N 3° 00' 00" W	
Grotte de Niary ou Niasy			
Guinea			
Beyla prefecture	ca.	8° 55' 00" N 8° 25' 00" W	
Canga-Moribadou Road, 2nd bridge on		8° 35' 36" N 8° 51' 26" W	ca. 750 m
Oueleba		8° 35' 38" N 8° 53' 47" W	1029 m
Oueleba-Dump		8° 37' 08" N 8° 53' 14" W	
Whiskey 1		8° 32' 56" N 8° 53' 57" W	1175 m
Boffa prefecture			
Boké prefecture			
Conakry prefecture			
Conakry Island	ca.	9° 30' 00" N 13° 40' 00" W	
Conakry (see also: Konakri, Konakry)		9° 30' 33" N 13° 42' 44" W	0 m
Konakri (see Conakry)		9° 30' 33" N 13° 42' 44" W	0 m
Konakry (see Conakry) (see also: Great Forest of the East)		9° 30' 33" N 13° 42' 44" W	0 m
Coyah prefecture			
Dabola prefecture			
Dalaba prefecture			
Dalaba (see also: Grotte du Marché, Marché, grotte du, Market cave)		10° 42' 00" N 12° 15' 00" W	1190 m
Grotte du Marché (see Dalaba)		10° 42' 00" N 12° 15' 00" W	1190 m
Marché, grotte du (see Dalaba)		10° 42' 00" N 12° 15' 00" W	1190 m
Market cave (see Dalaba)		10° 42' 00" N 12° 15' 00" W	1190 m
Dinguiraye prefecture			
Dubréka prefecture			
Faranah prefecture			
Forécariah prefecture			
Fria prefecture			
Gaoual prefecture			
Guéckédou prefecture			
Kankan prefecture			
Fressoudou	ca.	9° 08' 00" N 8° 54' 00" W	
Kanghan, Hotel de la Gar (see also: Kan-Han)		10° 29' 00" N 12° 23' 00" W	
Kan-Han (see Kanghan), Hotel de la Gar		10° 29' 00" N 12° 23' 00" W	
Kanka Sili (see also: Kankasali, Kankasili)		10° 11' 00" N 12° 29' 00" W	
Kankasali (see Kanka Sili)		10° 11' 00" N 12° 29' 00" W	
Kankasili (see Kanka Sili)		10° 11' 00" N 12° 29' 00" W	
Kindia (see also: Kindla)		10° 04' 00" N 12° 51' 00" W	338 m
Kindla (see Kindia)		10° 04' 00" N 12° 51' 00" W	338 m
Kolenté (see also: La Kolenté, Yogorania, Yogoronia)		10° 06' 00" N 12° 37' 00" W	148 m

Kouroussa		10° 39' 00" N 9° 53' 00" W	362 m
(see also: Kurussa)			
Kouroussa, near	ca.	10° 39' 00" N 9° 53' 00" W	
Kurussa (see Kouroussa)		10° 39' 00" N 9° 53' 00" W	362 m
La Kolenté (see Kolenté)		10° 06' 00" N 12° 37' 00" W	148 m
Samedou (see Samédougou)		9° 00' 00" N 8° 54' 00" W	698 m
Samédougou		9° 00' 00" N 8° 54' 00" W	698 m
(see also: Samedou)			
Tahiré, foot Keleisi Plateau		9° 51' 00" N 12° 47' 00" W	144 m
(see also: Taïré)			
Taïré (see Tahiré), foot Keleisi Plateau		9° 51' 00" N 12° 47' 00" W	144 m
Yogorania (see Kolenté)		10° 06' 00" N 12° 37' 00" W	148 m
Yogoronia (see Kolenté)		10° 06' 00" N 12° 37' 00" W	148 m
Kankasili and Souguéta, between	ca.	10° 10' 09" N 12° 31' 22" W	
Kérouané prefecture			
Kindia prefecture			
Coya (see Coyah)		9° 42' 20" N 13° 22' 37" W	95 m
Coyah, Guinee-Maritime		9° 42' 20" N 13° 22' 37" W	95 m
(see also: Coya, Guinee-Maritime, cave, Koya)			
Debreeka (see Dubréka)		9° 47' 28" N 13° 31' 24" W	74 m
Dubreka (see Dubréka)		9° 47' 28" N 13° 31' 24" W	74 m
Dubréka		9° 47' 28" N 13° 31' 24" W	74 m
(see also: Debreeka, Dubreka, Soumba o Dubreka)			
Garrigues, cave (see Grotte Garrigues)	ca.	10° 10' 23" N 12° 31' 05" W	
Grotte Garrigues, 4 km NE Souguéta	ca.	10° 10' 23" N 12° 31' 05" W	
(see also: Garrigues, cave, Souguéta, 4 km NE)			
Guinee-Maritime, cave (see Coyah)		9° 42' 20" N 13° 22' 37" W	95 m
Koya (see Coyah)		9° 42' 20" N 13° 22' 37" W	95 m
Ouassou (see Wassou)		10° 02' 00" N 13° 39' 00" W	58 m
Ouossou (see Wassou)		10° 02' 00" N 13° 39' 00" W	58 m
Salung Plat			
Kolente, 10 km W	ca.	10° 05' 00" N 12° 30' 00" W	400 m
Kolente, 12 km W (see Nyembaro)		10° 05' 00" N 12° 30' 00" W	
Nyembaro, 12 km W Kolente		10° 05' 00" N 12° 30' 00" W	
(see also: Kolente, 12 km W)			
Souguéta, 4 km NE (see Grotte Garrigues)	ca.	10° 10' 23" N 12° 31' 05" W	
Soumba o Dubreka (see Dubréka)		9° 47' 28" N 13° 31' 24" W	74 m
Wassou		10° 02' 00" N 13° 39' 00" W	58 m
(see also: Ouassou, Ouossou)			
Kissidougou prefecture			
Koubia prefecture			
Koundara prefecture		12° 25' 00" N 13° 10' 00" W	
Boussoura, 32 km SW Koundara		12° 17' 00" N 13° 03' 00" W	100 m
(see also: Koundara, 32 km SW)			
Koundara, 32 km SW (see Boussoura)		12° 17' 00" N 13° 03' 00" W	100 m
Kouroussa prefecture			
Labé prefecture			
Fouta Djallon, mount (see Foutadjalon, mount)		11° 30' 00" N 12° 30' 00" W	950 m
Foutadjalon, mount		11° 30' 00" N 12° 30' 00" W	950 m
(see also: Fouta Djallon, mount)			
Kallendu, 19 km N Labé		11° 25' 55" N 12° 35' 38" W	950 m
(see also: Labé, 19 km N)			
Labé, 19 km N (see Kallendu)		11° 25' 55" N 12° 35' 38" W	950 m
Lélouma prefecture			
Lola prefecture			
Macenta prefecture			
2002 RAP Site 1		8° 31' 52" N 8° 54' 21" W	1350 m
2002 RAP Site 2		8° 31' 29" N 8° 56' 12" W	600 m
Balouma area, 25 km NW Macenta		8° 39' 00" N 9° 38' 00" W	609 m
(see also: Macenta, 25 km NW)			
Foko Confluence		8° 29' 49" N 8° 54' 48" W	737 m
Macenta		8° 32' 46" N 9° 28' 10" W	598 m
(see also: Magenta)			
Macenta, 25 km NW (see Balouma area)		8° 39' 00" N 9° 38' 00" W	609 m
Magenta (see Macenta)		8° 32' 46" N 9° 28' 10" W	598 m
Pic de Foko		8° 29' 35" N 8° 53' 48" W	1289 m
Tourela, 2.3 km E		8° 30' 32" N 8° 57' 00" W	621 m
Western Spur Valley		8° 33' 26" N 8° 55' 16" W	ca. 900 m
Mali prefecture			
Mamou prefecture			
Mamou		10° 23' 00" N 12° 05' 00" W	737 m
Mandiana prefecture			
Nzérékore prefecture			
(see also: N'Zérékoré prefecture |PC:NZ|)			
Gbié		7° 39' 55" N 8° 19' 10" W	508 m

N'ZérPC:NZ|)			
Gbaolé		7° 26' 30" N 9° 14' 34" W	482 m
Gouan		7° 41' 24" N 8° 23' 24" W	
Keoulenta		7° 40' 48" N 8° 18' 36" W	450 m
Molard (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Mont Richard-Molard (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Mount Nimba (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Mount Richard-Molard (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Nimba, mount (see also: Molard, Mont Richard-Molard, Mount Nimba, Mount Richard-Molard, Richard, mont, Richard-Molard, mount)		7° 37' 00" N 8° 25' 00" W	
Grotte de Zié (see Zié cave)	ca.	7° 44' 00" N 8° 22' 00" W	
Zié cave (see also: Grotte de Zié)	ca.	7° 44' 00" N 8° 22' 00" W	
Ziéla		7° 42' 46" N 8° 21' 33" W	529 m
Zouguépo		7° 42' 20" N 8° 24' 26" W	526 m
Nioumouya Forest (see also: Nioumouya River)		7° 39' 36" N 8° 22' 48" W	
Nioumouya River (see Nioumouya Forest)		7° 39' 36" N 8° 22' 48" W	
Réserve de la Biosphère du Massif du Ziama (see Ziama, Biosphere reserve), near Park Station, W edge of Séréddou	ca.	8° 22' 00" N 9° 18' 00" W	
Richard, mont (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Richard-Molard, mount (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Ziama, Biosphere reserve, near Park Station, W edge of Séréddou (see also: Réserve de la Biosphère du Massif du Ziama, Ziama, Réserve de la Biosphère du Massif du)	ca.	8° 22' 00" N 9° 18' 00" W	
Ziama, Réserve de la Biosphère du Massif du (see Ziama, Biosphere reserve), near Park Station, W edge of Séréddou	ca.	8° 22' 00" N 9° 18' 00" W	
Zogota (mine)	ca.	7° 53' 10" N 9° 01' 24" W	
Park National du Haut Niger (see also: Upper Niger National Park)	ca.	10° 17' 06" N 10° 07' 20" W	
Pita prefecture			
Fouta Djallon, mount (see Foutadjalon, mount)		11° 30' 00" N 12° 30' 00" W	950 m
Foutadjalon, mount (see also: Fouta Djallon, mount)		11° 30' 00" N 12° 30' 00" W	950 m
Pita		11° 05' 00" N 12° 25' 00" W	913 m
Pita area	ca.	11° 05' 00" N 12° 25' 00" W	
Seredou (see Sérédou)		8° 22' 56" N 9° 17' 59" W	
Sérédou (see also: Seredou)		8° 22' 56" N 9° 17' 59" W	
Siguiri prefecture			
Télimélé prefecture			
Tougoué prefecture			
Upper Niger National Park (see Park National du Haut Niger)	ca.	10° 17' 06" N 10° 07' 20" W	
Yomou prefecture	ca.	7° 30' 00" N 9° 10' 00" W	
Guinea-Bissau			
"Bissao Senegambia"			
Bafatá region			
Contubo-el		12° 23' 00" N 14° 34' 00" W	
Biombo region			
Bissalanca		11° 53' 00" N 15° 41' 00" W	21 m
Bissau region			
Bissan island (see Bissau island)		11° 52' 00" N 15° 39' 00" W	
Bissao (see Bissau)		11° 51' 00" N 15° 35' 00" W	0 m
Bissau (see also: Bissao, São José de Bissáu)		11° 51' 00" N 15° 35' 00" W	0 m
Bissau island (see also: Bissan island)		11° 52' 00" N 15° 39' 00" W	
Boa Esperança (see Ponta Boa Esperança)		11° 53' 00" N 15° 46' 00" W	22 m
Ponta Boa Esperança (see also: Boa Esperança, Ponta Robalo)		11° 53' 00" N 15° 46' 00" W	22 m
Ponta de Marques Mano		11° 52' 00" N 15° 46' 00" W	
Ponta Robalo (see Ponta Boa Esperança)		11° 53' 00" N 15° 46' 00" W	22 m
São José de Bissáu (see Bissau)		11° 51' 00" N 15° 35' 00" W	0 m
Bolama region (see also: Bolama-Bijagos region |PC:BL|)			
BolamPC:BL|)			
Bolama Island		11° 34' 00" N 15° 33' 00" W	
Bolama (see also: Boloma, Bulama, Port Beaver)		11° 35' 00" N 15° 28' 00" W	0 m

Boloma (see Bolama)		11° 35' 00" N 15° 28' 00" W	0 m
Bulama (see Bolama)		11° 35' 00" N 15° 28' 00" W	0 m
Port Beaver (see Bolama)		11° 35' 00" N 15° 28' 00" W	0 m
Cacheu region			
Gunnal		12° 18' 40" N 15° 47' 22" W	1 m
Formosa Island		11° 29' 00" N 15° 58' 00" W	
(see also: Ilha de Formosa)			
Gabú region			
Boé (see Madina do Boé)		11° 45' 00" N 14° 13' 00" W	76 m
Madina (see Madina do Boé)		11° 45' 00" N 14° 13' 00" W	76 m
Madina Boé (see Madina do Boé)		11° 45' 00" N 14° 13' 00" W	76 m
Madina do Boé		11° 45' 00" N 14° 13' 00" W	76 m
(see also: Boé, Madina, Madina Boé, Medina de Boa)			
Medina de Boa (see Madina do Boé)		11° 45' 00" N 14° 13' 00" W	76 m
Piche (see Pitche)		12° 20' 00" N 13° 57' 00" W	64 m
Pitche		12° 20' 00" N 13° 57' 00" W	64 m
(see also: Piche)			
Ilha de Formosa (see Formosa Island)		11° 29' 00" N 15° 58' 00" W	
Mansôa [1204N 1519W] or Pitche [12 20 N 13 57 W]			
Mansôa [1204N 1519W], Contubo-el [1222N 1434W] or Pitche [1220N 1357W]			
Oio region			
Bissorã		12° 13' 23" N 15° 26' 51" W	39 m
(see also: Bissoram)			
Bissoram (see Bissorã)		12° 13' 23" N 15° 26' 51" W	39 m
Enchalé (see Enxalé)		11° 59' 00" N 14° 58' 00" W	8 m
Enxalé		11° 59' 00" N 14° 58' 00" W	8 m
(see also: Enchalé)			
Mansoa (see Mansôa)		12° 04' 24" N 15° 19' 08" W	3 m
Mansôa		12° 04' 24" N 15° 19' 08" W	3 m
(see also: Mansoa, Porto Mansoa)			
Porto Mansoa (see Mansôa)		12° 04' 24" N 15° 19' 08" W	3 m
Quinara region			
Sama			
Tombali region			
Catió		11° 17' 00" N 15° 15' 00" W	0 m
Isavo swamp			
Itimaire river, Tributary of Congo River			
Ivory Coast (see Côte d'Ivoire)			
Jala plains			
Jebel Hamana			
Musa			
Jub			
Karagwa			
Karevia			
Ukondjo			
Kenya			
(see also: "British East Africa")			
Aman (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Baringo county			
Baring, lake (see Baringo, lake)		0° 38' 00" N 36° 05' 00" E	
Baringo (see Mukutan)		0° 38' 00" N 36° 16' 00" E	1303 m
Baringo district			
Bartabwa, 15 mi [=24 km] NNE (see Kabarsera)		0° 56' 15" N 35° 52' 00" E	762 m
Hannington, 3 mi [=4.8 km] W Lake (see Maji Ya Moto)		0° 16' 00" N 36° 03' 00" E	1102 m
Kabarsera, 15 mi NNE Bartabwa		0° 56' 15" N 35° 52' 00" E	762 m
(see also: Bartabwa, 15 mi [=24 km] NNE)			
Lake Bogoria, 3 mi [=4.8 km] W (see Maji Ya Moto)		0° 16' 00" N 36° 03' 00" E	1102 m
Lake Hannington, 3 mi [=4.8 km] W (see Maji Ya Moto)		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Mata (see Maji Ya Moto)		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Mota (see Maji Ya Moto)		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Moto (see Maji Ya Moto), 3 mi W Lake Harrington [=Lake Bogoria]		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Moto, 3 mi [=4.8 km] W (see Maji Ya Moto, 3 mi [=4.8 km] W)	ca.	0° 16' 00" N 36° 03' 00" E	1067 m
Maji Ya Moto		0° 16' 00" N 36° 03' 00" E	1102 m
(see also: Hannington, 3 mi [=4.8 km] W Lake, Lake Bogoria, 3 mi [=4.8 km] W, Lake Hannington, 3 mi [=4.8 km] W, Maji Mata, Maji Mota, Maji Moto)			
Maji Ya Moto, 3 mi [=4.8 km] W	ca.	0° 16' 00" N 36° 03' 00" E	
(see also: Maji Moto, 3 mi [=4.8 km] W)			

Baringo, lake		0° 38' 00" N 36° 05' 00" E	
(see also: Baring, lake, Lake Baringo)			
Gibraltar island		0° 36' 00" N 36° 04' 00" E	
Kampi Ya Samaki		0° 36' 00" N 36° 01' 00" E	
(see also: Kampi ya Samalei, Kornpuosamaki, Maragat, 15 km N, Maragat, 15 mi [=24 km] N, Naragat, 15 mi [=24 km] N)			
Kampi Ya Samaki Escarpment		0° 36' 00" N 36° 01' 00" E	
Kampi Ya Samaki, 2 mi [=3.2 km] S		0° 36' 00" N 36° 01' 00" E	975 m
Kampi Ya Samaki, near		0° 37' 01" N 36° 01' 59" E	1006 m
Kampi ya Samalei (see Kampi Ya Samaki)		0° 36' 00" N 36° 01' 00" E	1054 m
Kampiva Samdet, near		0° 38' 00" N 36° 17' 00" E	
Kornpuosamaki (see Kampi Ya Samaki)		0° 36' 00" N 36° 01' 00" E	1054 m
Lesukut island		0° 35' 30" N 36° 04' 53" E	975 m
Maragat (see Marigat), Perakera River		0° 28' 00" N 35° 59' 00" E	1062 m
Maragat, 15 km N (see Kampi Ya Samaki)		0° 36' 00" N 36° 01' 00" E	
Maragat, 15 mi [=24 km] N (see Kampi Ya Samaki)		0° 36' 00" N 36° 01' 00" E	
Maragut (see Marigat), Perakera River		0° 28' 00" N 35° 59' 00" E	1062 m
Marigat, Perakera River		0° 28' 00" N 35° 59' 00" E	1036 m
(see also: Maragat, Maragut)			
Marigat, 15 mi [=24 km] N		0° 37' 01" N 36° 01' 59" E	1006 m
Marigat, near, Perakera River	ca.	0° 28' 00" N 35° 59' 00" E	1030 m
Naragat, 15 mi [=24 km] N (see Kampi Ya Samaki)		0° 36' 00" N 36° 01' 00" E	1054 m
Ngambo, Mole river		0° 30' 00" N 36° 04' 00" E	1036 m
Bogoria, lake		0° 15' 32" N 36° 06' 06" E	1500 m
(see also: Hannington, lake, Harrington, lake, Lake Bogoria, Lake Hannington, Lake Harrington)			
Hannington, lake (see Bogoria, lake)		0° 15' 32" N 36° 06' 06" E	1500 m
Harrington, lake (see Bogoria, lake)		0° 15' 32" N 36° 06' 06" E	1500 m
Kovu		1° 00' 00" N 36° 00' 00" E	
Lake Baringo (see Baringo, lake)		0° 38' 00" N 36° 05' 00" E	
Lake Bogoria (see Bogoria, lake)		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Hannington (see Bogoria, lake)		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Harrington (see Bogoria, lake)		0° 15' 32" N 36° 06' 06" E	1500 m
Loldiani, mount (see Mount Loldiani)		0° 06' 41" S 35° 43' 41" E	
Mount Loldiani		0° 06' 41" S 35° 43' 41" E	
(see also: Loldiani, mount)			
Mukutan		0° 38' 00" N 36° 16' 00" E	1303 m
(see also: Baringo, Ol Mukutan)			
Ol Mukutan (see Mukutan)		0° 38' 00" N 36° 16' 00" E	1303 m
Baruma			
Bomet county			
Bungoma county			
Elgon, Mount (see Mount Elgon)	ca.	1° 04' 00" N 34° 34' 00" E	
Barberton Cave (see Barberton Farm)		0° 45' 00" N 34° 45' 00" E	
Barberton Farm, 20 mi [=32 km] SW Kitale		0° 45' 00" N 34° 45' 00" E	1951 m
(see also: Barberton Cave, Kitale, 20 mi [=32 km] SW, Renishaw, Renshaw Barberton Farm)			
Devil's cave		0° 45' 00" N 34° 45' 00" E	2103 m
Barberton Farm Pool, 32 km SW Kitale		0° 49' 00" N 34° 49' 00" E	
(see also: Barberton Pool)			
Barberton Pool (see Barberton Farm Pool), 32 km SW Kitale		0° 49' 00" N 34° 49' 00" E	
Elgon Forest		0° 58' 00" N 34° 40' 00" E	1951 m
Elgon, SE slope of Mount (see Mount Elgon, SE slope)	ca.	0° 59' 00" N 34° 38' 00" E	
Endebess		1° 04' 00" N 34° 51' 00" E	1929 m
(see also: Endeblesa)			
Endebess, 3 mi [=4.8 km] W		1° 07' 01" N 34° 49' 01" E	2134 m
Endeblesa (see Endebess), NE Elgon		1° 04' 00" N 34° 51' 00" E	
Kirui	ca.	1° 04' 00" N 34° 34' 00" E	
Kitale, 20 mi [=32 km] SW (see Barberton Farm)		0° 45' 00" N 34° 45' 00" E	
Kitale, 24 km W (see Mount Elgon, NE face)	ca.	1° 08' 00" N 34° 33' 00" E	
Malikisi Caves, on Malikisi river	ca.	0° 37' 00" N 34° 13' 00" E	
Mumias		0° 20' 11" N 34° 29' 21" E	1268 m
Renishaw (see Barberton Farm), 20 mi SW Kitale		0° 45' 00" N 34° 45' 00" E	
Renshaw Barberton Farm (see Barberton Farm), 20 mi [=32 km] SW Kitale		0° 45' 00" N 34° 45' 00" E	
Saboti (see Saboti African Centre)		0° 56' 00" N 34° 50' 00" E	1951 m
Saboti African Centre		0° 56' 00" N 34° 50' 00" E	1951 m
(see also: Saboti)			
Saboti caves, S side Mount Elgon		1° 07' 00" N 34° 35' 00" E	1951 m
Saboti, 3 mi [=4.8 km] SE		0° 52' 59" N 34° 49' 59" E	1951 m
Kapasakwany (see Kapsokwony)		34° 42' 00" N 0° 50' 00" E	
Naibei's Great Cave		0° 50' 00" N 34° 42' 00" E	

Kapsokwony		34° 42' 00" N 0° 50' 00" E	
(see also: Kapasakwany)			
Mount Elgon	ca.	1° 04' 00" N 34° 34' 00" E	
(see also: Elgon, Mount, Mount Elgon National Park)			
Chepnyalil Cave		1° 03' 39" N 34° 45' 30" E	2419 m
Cherangani (see Cherangany), 15 mi [=24 km] SE Kitale		0° 59' 00" N 35° 10' 00" E	1890 m
Cherangani			
Cherangany, 15 mi [=24 km] SE Kitale		0° 59' 00" N 35° 10' 00" E	1890 m
(see also: Cherangani, Kitale, 15 mi [=24 km] SE)			
Kitale, 12 mi [=19 km] ESE (see Stoneham Museum)		1° 01' 00" N 35° 01' 01" E	1890 m
Stoneham Museum, 12 mi [=19 km] ESE Kitale		1° 01' 00" N 35° 01' 01" E	1890 m
(see also: Kitale, 12 mi [=19 km] ESE)			
Elgon caves (see Mount Elgon Caves)		0° 52' 00" N 34° 27' 00" E	1951 m
Kakamega		0° 16' 00" N 34° 53' 00" E	
Kitale, 15 mi [=24 km] SE (see Cherangany)		0° 59' 00" N 35° 10' 00" E	1890 m
Kitale, 20 mi SW			
Mount Elgon Caves		0° 52' 00" N 34° 27' 00" E	1951 m
(see also: Elgon caves)			
Mount Elgon, E face	ca.	1° 03' 00" N 34° 44' 00" E	
Mount Elgon, NE face, 24 km W Kitale	ca.	1° 10' 00" N 34° 42' 00" E	1920 m
(see also: Kitale, 24 km W)			
Mount Elgon, S face	ca.	0° 58' 00" N 34° 55' 00" E	2000 m
Mount Elgon, SE slope	ca.	0° 59' 00" N 34° 38' 00" E	
(see also: Elgon, SE slope of Mount)			
southeast slopes		1° 08' 00" N 34° 33' 00" E	
Mount Elgon National Park (see Mount Elgon)	ca.	1° 04' 00" N 34° 34' 00" E	
Kitum Cave (see Kitum caves)		1° 07' 00" N 34° 40' 00" E	2134 m
Kitum caves		1° 07' 00" N 34° 40' 00" E	2134 m
(see also: Kitum Cave)			
Bura			
Busia county			
Busia		0° 28' 00" N 34° 06' 00" E	1206 m
Central (former) province			
Aberdare mountains		0° 23' 08" S 36° 38' 08" E	
(see also: Aberdare range, Aberdares, Osufuko Lerego)			
Muiga, 10 mi [=16 km] NW (see Mweiga, 10 mi [=16 km] NW)	ca.	0° 19' 00" S 36° 54' 00" E	
Mweiga, 10 mi [=16 km] NW	ca.	0° 19' 00" S 36° 54' 00" E	
(see also: Muiga, 10 mi [=16 km] NW)			
South Kinangop plateau		0° 43' 51" S 36° 39' 33" E	8000 ft
Aberdare range (see Aberdare mountains)		0° 23' 08" S 36° 38' 08" E	
Aberdares (see Aberdare mountains)		0° 23' 08" S 36° 38' 08" E	
Daraja na Moneu (see Nyamindi), 10 mi [=16 km] W Embu		0° 40' 00" S 37° 25' 00" E	1463 m
East Kyabe (see Kijabe)		0° 56' 00" S 36° 34' 00" E	2049 m
Eldoinyo Lengamlo, 96 mi from Nairobi		2° 10' 00" S 37° 33' 00" E	
(see also: Granite Hills, Mombaso Road, Simba)			
Embu, 10 mi [=16 km] W (see Nyamindi)		0° 40' 00" S 37° 25' 00" E	1463 m
Fort Hall (see Murang'a)		0° 43' 00" S 37° 09' 00" E	1255 m
Gatamayu, 2.5 km N, 0.5 km W		0° 58' 13" S 36° 41' 47" E	2200 m
Guaso Nyuki	ca.	0° 07' 00" S 37° 14' 00" E	
Kalimoni		1° 06' 00" S 37° 01' 00" E	1551 m
Kambiti Estate		0° 49' 00" S 37° 14' 00" E	
(see also: Kambiti W.H.)			
Kambiti W.H. (see Kambiti Estate)		0° 49' 00" S 37° 14' 00" E	
Kiambu, 4 mi [=6.4 km] NW	ca.	1° 10' 00" S 36° 50' 00" E	
Kiambu, near	ca.	1° 10' 00" S 36° 50' 00" E	1828 m
Kijabe		0° 56' 00" S 36° 34' 00" E	2049 m
(see also: East Kyabe, Kyabe)			
Kijabe		0° 56' 00" S 36° 34' 00" E	2049 m
Kijabe Station		0° 55' 00" S 36° 35' 00" E	
(see also: Kyabe Station, New Kijabe)			
Kyabe (see Kijabe)		0° 56' 00" S 36° 34' 00" E	2049 m
Kyabe Station (see Kijabe Station)		0° 55' 00" S 36° 35' 00" E	
Limuru		1° 06' 00" S 36° 39' 00" E	2240 m
Limuru, near		1° 06' 00" S 36° 39' 00" E	
Murang'a		0° 43' 00" S 37° 09' 00" E	1255 m
(see also: Fort Hall)			
Nairobi, 10 mi [=16 km] S, on river	ca.	1° 20' 00" S 36° 49' 00" E	
New Kijabe (see Kijabe Station)		0° 55' 00" S 36° 35' 00" E	
Ngaranyiru, Mweiga		0° 19' 00" S 36° 54' 00" E	

Nyamindi, 10 mi [=16 km] W Embu		0° 40' 00" S 37° 25' 00" E	1463 m
(see also: Daraja na Moneu, Embu, 10 mi [=16 km] W)			
Osufuko Leregо (see Aberdare mountains)		0° 23' 08" S 36° 38' 08" E	
Sagana river	ca.	0° 40' 00" S 37° 12' 00" E	
Simba (see Eldoinyo Lengamlo), Kiboboko River, on Mombasa Road, 155 km from Nairobi		2° 10' 00" S 37° 33' 00" E	
(see also: Nairobo, 155 km SE)			
Coast (former) province			
Bilisa, lake, near Garsen		2° 14' 01" S 40° 07' 58" E	
(see also: Lake Bilisa)			
Borobini (see Golbanti)		2° 27' 24" S 40° 12' 09" E	11 m
Frere Town		4° 01' 00" S 39° 42' 00" E	1 m
Galole Road, 8.5 km N Garsen		1° 30' 13" S 40° 01' 44" E	77 m
(see also: Garsen, 8.5 km N)			
Garissa, 35 mi [=56 km] downstream (see Maningi)		0° 52' 00" S 39° 54' 00" E	
Garsen		2° 16' 11" S 40° 07' 12" E	28 m
Garsen, 6 mi [=9.6 km] E		2° 16' 11" S 40° 07' 12" E	100 ft
Garsen, 8.5 km N (see Galole Road), on Galole road		1° 30' 13" S 40° 01' 44" E	77 m
Gasi (see Gazi)		4° 25' 00" S 39° 30' 00" E	3 m
Gaze (see Gazi)		4° 25' 00" S 39° 30' 00" E	3 m
Gazi		4° 25' 00" S 39° 30' 00" E	3 m
(see also: Gasi, Gaze)			
Golbanti		2° 27' 24" S 40° 12' 09" E	11 m
(see also: Borobini, Golbanti mission)			
Golbanti mission (see Golbanti)		2° 27' 24" S 40° 12' 09" E	11 m
Irima, 4 mi [=6.4 km] NW Voi		3° 21' 20" S 38° 32' 05" E	564 m
(see also: Voi, 4 mi [=6.4 km] NW)			
Kanawa, 105 km N Malindi		2° 20' 00" S 40° 05' 00" E	12 m
(see also: Malindi, 105 km N)			
Karibiti			
Kau		2° 29' 20" S 40° 27' 07" E	0 m
Kiabasi, near Voi	ca.	3° 23' 00" S 38° 34' 00" E	1900 ft
Kilaguni Lodge		2° 54' 20" S 38° 02' 59" E	
(see also: Kiliguni Lodge)			
Kilifi, 4 mi [=6.4 km] S		3° 41' 00" S 39° 51' 00" E	
(see also: Tokaungu)			
Kilifi, 6 mi [=9.6 km] S (see Maweni river)		3° 44' 00" S 39° 45' 00" E	
Kiliguni Lodge (see Kilaguni Lodge)		2° 54' 20" S 38° 02' 59" E	
Kiluluma (see Tana river), Bura		2° 31' 49" S 40° 31' 26" E	
Kipini		2° 31' 31" S 40° 31' 46" E	0 m
Kipini, 5 mi [=8 km] E (see Shell BM Camp)		2° 31' 00" S 40° 31' 00" E	
Kitoko River			
Kivumoni Forest, 5 km SE Kwale		4° 13' 00" S 39° 29' 00" E	
(see also: Kwale, 5 km SE)			
Kunumara Conference Center, 20 km N Mombasa		3° 52' 09" S 39° 40' 00" E	
(see also: Mombasa, 20 km N)			
Kwale, 5 km SE (see Kivumoni Forest)		4° 13' 00" S 39° 29' 00" E	
Kwale, 7 km S, 8 km W	ca.	4° 11' 00" S 39° 27' 00" E	
Lake Bilisa (see Bilisa, lake), near Garsen		2° 14' 01" S 40° 07' 58" E	
Lualeni Borehole (see Maktau)		3° 24' 00" S 38° 08' 00" E	1171 m
Makere, lower Tana river		1° 20' 55" S 40° 00' 19" E	80 m
(see also: Makeri)			
Makeri (see Makere), lower Tana river		1° 20' 55" S 40° 00' 19" E	80 m
Maktau		3° 24' 00" S 38° 08' 00" E	1171 m
(see also: Lualeni Borehole, Mwakitau)			
Maktau, 50 mi [=80 km] S	ca.	3° 24' 00" S 38° 08' 00" E	
(see also: Moctow, 50 mi [=80 km] S)			
Malindi		3° 13' 00" S 40° 07' 00" E	0 m
Malindi, 105 km N (see Kanawa)		2° 20' 00" S 40° 05' 00" E	12 m
Malindi, 30 mi [=48 km] N		2° 46' 00" S 40° 08' 00" E	
Malindi, ca 19 km from		3° 14' 00" S 40° 08' 00" E	
Manda island		2° 16' 29" S 40° 57' 37" E	
(see also: Nanga island)			
Kitau		2° 18' 07" S 40° 56' 22" E	
Maningi, 35 mi [=56 km] downstream from Garissa		0° 52' 00" S 39° 54' 00" E	
(see also: Garissa, 35 mi [=56 km] downstream)			
Marungu (see Maungu), 30 km E Voi		3° 33' 00" S 38° 45' 00" E	61 m
Masabubu		1° 12' 47" S 40° 01' 03" E	93 m
Masabubu, 0.5 mi [=0.8 km] E	ca.	1° 12' 00" S 40° 01' 00" E	
Masabubu, 1.5 mi [=2.4 km] E	ca.	1° 12' 00" S 40° 01' 00" E	
Maungu, 30 km E Voi		3° 33' 00" S 38° 45' 00" E	61 m
(see also: Marungu, Voi, 30 km E)			
Maungu Hill, Voi, 48 km SE		3° 37' 30" S 38° 37' 30" E	450 m
(see also: Voi, 48 km SE)			

Maweni river, 6 mi [=9.6 km] S Kilifi		3° 44' 00" S 39° 45' 00" E	
(see also: Kilifi, 6 mi [=9.6 km] S)			
Mazeras		3° 58' 00" S 39° 33' 00" E	287 m
Meda (see Mida)		3° 19' 00" S 39° 58' 00" E	2 m
Mida		3° 19' 00" S 39° 58' 00" E	2 m
(see also: Meda)			
Mkonumbi (see Mkunumbi), near Kitu		2° 18' 44" S 40° 42' 04" E	15 m
Mkonumbia (see Mkunumbi), near Kitu		2° 18' 44" S 40° 42' 04" E	15 m
Mkunumbi, near Kitu		2° 18' 44" S 40° 42' 04" E	15 m
(see also: Mkonumbi, Mkonumbia, Nkunumbi)			
Moana Marine Station, 1 km S, 2 km E Ukunda		4° 18' 00" S 39° 35' 00" E	
(see also: Ukunda, 1 km S, 2 km E)			
Moane, SE Ukunda		4° 18' 00" S 39° 35' 00" E	
Moctow, 50 mi [=80 km] S (see Maktau, 50 mi [=80 km] S)		3° 24' 00" S 38° 08' 00" E	
Mombas (see Mombasa)		4° 03' 00" S 39° 40' 00" E	0 m
Mombasa, 12.8 km S		4° 09' 57" S 39° 40' 00" E	
Mombasa, 13 km S		4° 04' 00" S 39° 40' 00" E	
Mombasa, 20 km N (see Kunumara Conference Center)		3° 52' 09" S 39° 40' 00" E	
Mombasa, 20 mi [=32 km] N (see Vipingo)		3° 49' 00" S 39° 48' 00" E	99 m
Mombasa, 22 mi N	ca.	4° 03' 00" S 39° 40' 00" E	
Mombasa, 25 mi [=40 km] N (see Vipingo)		3° 49' 00" S 39° 48' 00" E	99 m
Mombasa, 4 mi [=6.4 km] S		4° 04' 00" S 39° 40' 00" E	
Mombasa, 8 km S	ca.	4° 04' 00" S 39° 40' 00" E	
Mombasa, 8 mi S	ca.	4° 04' 00" S 39° 40' 00" E	
Mombasa, cave near	ca.	4° 03' 00" S 39° 40' 00" E	
Mombasa, S of		4° 04' 00" S 39° 40' 00" E	
Mombasa, well S	ca.	4° 03' 00" S 39° 40' 00" E	
Mombassa (see Mombasa)		4° 03' 00" S 39° 40' 00" E	0 m
Mvita (see Mombasa)		4° 03' 00" S 39° 40' 00" E	0 m
Mwakitau (see Maktau)		3° 24' 00" S 38° 08' 00" E	1171 m
Nanga island (see Manda island)		2° 16' 29" S 40° 57' 37" E	
Ndara hills, Voi		3° 31' 00" S 38° 36' 00" E	
Ngasha (see Nyangala Hill), 40 km SE Voi		3° 37' 00" S 38° 44' 00" E	
Ngatana	ca.	2° 10' 48" S 40° 11' 24" E	
Ngomeni		3° 00' 12" S 40° 11' 28" E	1 m
Nkunumbi (see Mkunumbi), near Kitu		2° 18' 44" S 40° 42' 04" E	15 m
Nyala Beach hotel		4° 04' 00" S 39° 40' 00" E	
Nyangala Hill, 40 km SE Voi		3° 37' 00" S 38° 44' 00" E	
(see also: Ngasha, Voi, 40 km SE)			
Ozi river (see Tana river), Bura		2° 31' 49" S 40° 31' 26" E	
Pate, island		2° 06' 11" S 41° 03' 30" E	
(see also: Patta, island)			
Patta, island (see Pate, island)		2° 06' 11" S 41° 03' 30" E	
Port Reitz, Mombasa		4° 03' 00" S 39° 37' 00" E	
Raba (see Rabai), Mombassa, near		3° 56' 00" S 39° 34' 00" E	700 ft
Rabai, Mombassa, near		3° 56' 00" S 39° 34' 00" E	700 ft
(see also: Raba, Ravai)			
Ravai (see Rabai), Mombassa, near		3° 56' 00" S 39° 34' 00" E	700 ft
Sabaki river (see Sebaki river)		3° 09' 00" S 38° 00' 00" E	
Sebaki river		3° 09' 00" S 38° 00' 00" E	
(see also: Sabaki river)			
Shell BM Camp, 5 mi E Kipini		2° 31' 00" S 40° 31' 00" E	
(see also: Kipini, 5 mi [=8 km] E)			
Shimoni area		4° 38' 38" S 39° 23' 09" E	
Taita		3° 20' 00" S 38° 20' 00" E	
Taita district			
Mbololo, mount		3° 17' 00" S 38° 28' 00" E	
Ndi		3° 14' 00" S 38° 30' 00" E	2000 m
Sagalla		3° 31' 00" S 38° 34' 00" E	864 m
Taita hills			
Ngangao forest, 4.25 km N, 1.75 km W Wundanyi		3° 22' 00" S 38° 20' 00" E	
(see also: Wundanyi, 4.25 km N, 1.75 km W)			
Ngangas Forest, 4.5 km N, 1.75 km W Wundanyi		3° 22' 00" S 38° 21' 00" E	1798 m
(see also: Ngaugao Forest, Wundanyi, 4.5 km N, 1.75 km W)			
Ngaugao Forest (see Ngangas Forest)		3° 22' 00" S 38° 21' 00" E	1798 m
Wundanyi, 4.25 km N, 1.75 km W (see Ngangao forest)		3° 22' 00" S 38° 20' 00" E	
Wundanyi, 4.5 km N, 1.75 km W (see Ngangas Forest)		3° 22' 00" S 38° 21' 00" E	1798 m
Taveta		3° 23' 00" S 37° 40' 00" E	
Taveta Sisal Estate, SW Taveta		3° 24' 00" S 37° 41' 00" E	910 m
Taveta, 3 km E		3° 23' 00" S 37° 42' 00" E	760 m

Tana river, Bura (see also: Kilulumа, Ozi river)		2° 31' 49" S 40° 31' 26" E	
Thekla river		2° 31' 00" S 40° 31' 00" E	
Tokaungu (see Kilifi, 4 mi [=6.4 km] S), 4 mi [=6.4 km] S Kilifi		3° 41' 00" S 39° 51' 00" E	5 m
Ukunda		4° 17' 00" S 39° 34' 00" E	8 m
Ukunda, 1 km S, 0.5 km E		4° 17' 00" S 39° 34' 00" E	
Ukunda, 1 km S, 2 km E (see Moana Marine Station)		4° 18' 00" S 39° 35' 00" E	
Ukunda, 2.5 km E		4° 17' 00" S 39° 35' 05" E	
Ukunda, 3 km E		4° 17' 00" S 39° 35' 00" E	
Ukunda, 3.5 km S, 1 km E		4° 19' 00" S 39° 34' 00" E	
Ukunda, cave		4° 17' 34" S 39° 33' 51" E	
Ushindo (see Ushingo)		2° 46' 00" S 39° 40' 00" E	113 m
Ushingo (see also: Ushindo)		2° 46' 00" S 39° 40' 00" E	113 m
Utwani Forest Reserve (see Witu Forest)		2° 21' 34" S 40° 31' 27" E	100 ft
Vasco de Gama Pillar, Malindi (see also: Vasco de Gama Point)		3° 13' 00" S 40° 08' 00" E	
Vasco de Gama Point (see Vasco de Gama Pillar), Malindi		3° 13' 00" S 40° 08' 00" E	
Vipingo, 20 mi [=32 km] N Mobasa (see also: Mombasa, 20 mi [=32 km] N, Vipingoni)		3° 49' 00" S 39° 48' 00" E	99 m
Vipingo, 25 mi [=40 km] N Mombasa (see also: Mombasa, 25 mi [=40 km] N, Vipingo cave(s), Vipingoni, Vipingoni cave(s))		3° 49' 00" S 39° 48' 00" E	99 m
Vipingo cave(s) (see Vipingo), 25 mi [=40 km] N Mombasa		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni (see Vipingo), 20 mi [=32 km] N Mobasa		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni (see Vipingo), 25 mi [=40 km] N Mombasa		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni cave(s) (see Vipingo), 25 mi [=40 km] N Mombasa		3° 49' 00" S 39° 48' 00" E	99 m
Voi, 2 mi [=3.2 km] N		3° 22' 59" S 38° 33' 00" E	564 m
Voi, 30 km E (see Maungu)		3° 33' 00" S 38° 45' 00" E	61 m
Voi, 30 km E (see Wangala)		3° 36' 08" S 38° 49' 52" E	610 m
Voi, 30 km SE	ca.	3° 34' 00" S 38° 46' 00" E	
Voi, 4 mi [=6.4 km] NW (see Irima)		3° 21' 20" S 38° 32' 05" E	564 m
Voi, 40 km SE (see Nyangala Hill)		3° 37' 00" S 38° 44' 00" E	
Voi, 48 km SE (see Maungu Hill)		3° 37' 30" S 38° 37' 30" E	450 m
Wangala, 38 km E Voi (see also: Voi, 30 km E, Wangala Station)		3° 36' 08" S 38° 49' 52" E	610 m
Wangala Station (see Wangala)		3° 36' 08" S 38° 49' 52" E	320 m
Witu		2° 23' 26" S 40° 27' 11" E	17 m
Witu Forest (see also: Utwani Forest Reserve)		2° 21' 34" S 40° 31' 27" E	100 ft
Daren			
Eastern (former) province			
"Laisam id., Isido district" (see Laisiamis)		1° 36' 00" N 37° 48' 00" E	568 m
Ami river		2° 59' 00" S 38° 28' 00" E	1067 m
Anam (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Bas (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Baso (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Basso (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Basso Narok (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Basso Norok (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Donyo Sabuk, 3.2 km SE		1° 07' 00" S 37° 16' 00" E	
Euaso Nyiro (see Ewaso Ngi'ro)		0° 35' 00" N 37° 32' 00" E	884 m
Ewaso Ngi'ro (see also: Euaso Nyiro, Guaso Nyiro, Guaso Nyiro River)		0° 35' 00" N 37° 32' 00" E	
Fuchich (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Galanaboi (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Galanaboy (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Gallop (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Guaso Nyiro (see Ewaso Ngi'ro)		0° 35' 00" N 37° 32' 00" E	
Guaso Nyiro River (see Ewaso Ngi'ro)		0° 35' 00" N 37° 32' 00" E	
Guaso Nyiro, 10 mi [=16 km] SW of river	ca.	0° 35' 00" N 37° 32' 00" E	6150 ft
Guaso Nyiro, above confluence with Meru River	ca.	0° 35' 00" N 37° 32' 00" E	
Guaso Nyiro, plains near		0° 35' 00" N 37° 32' 00" E	
Gullop (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Kairuni		0° 11' 11" N 37° 52' 20" E	
Kamama (church)		0° 26' 00" S 37° 28' 00" E	1219 m
Kambu		2° 35' 00" S 38° 05' 00" E	826 m
Kanapoi	ca.	3° 45' 00" N 36° 15' 00" E	
Katalembo (see Katalembu)		1° 31' 00" S 37° 12' 00" E	1769 m

Katalembu		1° 31' 00" S 37° 12' 00" E	1769 m
(see also: Katalembo)			
Kathekani		2° 37' 00" S 38° 09' 00" E	777 m
Kathita river		0° 15' 58" S 38° 00' 11" E	
(see also: Kathitha river, Kazita river)			
Kathitha river (see Kathita river)		0° 15' 58" S 38° 00' 11" E	
Kazita river (see Kathita river)		0° 15' 58" S 38° 00' 11" E	
Keekevok, Mara river	ca.	0° 16' 00" S 37° 45' 00" E	1615 m
Kenya, mount			
Kenya, mount		0° 10' 00" S 37° 20' 00" E	
(see also: Kilinyaga, Kirinyaga, Mount Kenya)			
Kibungu hills			
Inyokomi (see Inyokoni)		1° 47' 00" S 37° 24' 00" E	1853 m
Inyokoni		1° 47' 00" S 37° 24' 00" E	1853 m
(see also: Inyokomi)			
Kilinyaga (see Kenya, mount)		0° 10' 00" S 37° 20' 00" E	
Kilongo Hills		2° 17' 00" S 37° 55' 00" E	
Kirinyaga (see Kenya, mount)		0° 10' 00" S 37° 20' 00" E	
Kithimani area		1° 11' 12" S 37° 26' 49" E	
Kiu		1° 54' 00" S 37° 10' 00" E	1503 m
Konza Hill		1° 35' 00" S 37° 42' 00" E	
Kyangili (see Kyangili Dam)		1° 40' 00" S 37° 18' 00" E	
Kyangili Dam		1° 40' 00" S 37° 18' 00" E	
(see also: Kyangili)			
Laisiamis		1° 36' 00" N 37° 48' 00" E	568 m
(see also: "Laisam id., Isido district")			
Lake Magadi, 40 km W	ca.	1° 45' 27" S 35° 48' 31" E	762 m
(see also: Magadi, 40 km W Lake)			
Lake Paradise (see Sokorte Guda)		2° 15' 44" N 37° 56' 07" E	
Loiyangalani, 29 mi [=47 km] N	ca.	3° 11' 19" N 36° 40' 50" E	
Luazomela		0° 29' 00" N 37° 40' 00" E	
Magadi, 40 km W Lake (see Lake Magadi, 40 km W)	ca.	1° 45' 27" S 35° 48' 31" E	762 m
Makindu cave		2° 17' 00" S 37° 49' 00" E	1070 m
Makindu river, 177 km E Nairobi		2° 09' 25" S 37° 54' 25" E	975 m
(see also: Nairobi, 177 km E)			
Makindu, 13 km NW		2° 14' 00" S 37° 46' 00" E	
Makindu, 16 km NW		2° 12' 00" S 37° 44' 00" E	
Makindu, 19 km NW		2° 18' 00" S 37° 40' 00" E	
Makindu, 19 km W		2° 18' 00" S 37° 40' 37" E	1000 m
Makindu, 35 km E	ca.	2° 18' 00" S 37° 00' 00" E	975 m
Makindu, near, 192 km E Nairobi		2° 18' 00" S 37° 50' 00" E	1200 m
(see also: Nairobi, 192 km E)			
Makindu, Upper cave		2° 17' 00" S 37° 49' 00" E	1585 m
Mara River	ca.		
Marsabit road		2° 20' 00" N 37° 59' 00" E	
Masaku district			
Meru river, Northern Guaso Nyiro		0° 03' 00" N 37° 39' 00" E	
(see also: Mweru river)			
Mount Kenya (see Kenya, mount)		0° 10' 00" S 37° 20' 00" E	
Mtito Andei		2° 41' 00" S 38° 10' 00" E	769 m
(see also: Mutitu Andei)			
Mtito Andei, 4 mi [=6.4 km] N		2° 40' 59" S 38° 07' 59" E	732 m
Mtito Andei, near	ca.	2° 41' 00" S 38° 10' 00" E	2500 ft
Mutitu Andei (see Mtito Andei)		2° 41' 00" S 38° 10' 00" E	769 m
Mweru river (see Meru river), Northern Guaso Nyiro		0° 03' 00" N 37° 39' 00" E	
Mwingi		0° 56' 00" S 38° 04' 00" E	938 m
Mwingi, 10 mi [1.6 km] E	ca.	0° 56' 00" S 38° 04' 00" E	
Nairobi, 177 km E (see Makindu river)		2° 09' 25" S 37° 54' 25" E	
Nairobi, 192 km E (see Makindu, near)		2° 18' 00" S 37° 50' 00" E	
New Frontier district		0° 34' 00" N 37° 35' 00" E	
Samburu Game Lodge (see Samburu Game Reserve), Vasio Nyiro[=Uwaso Ngiro] River		0° 40' 00" N 37° 32' 00" E	914 m
Samburu Game Reserve, Vasio Nyiro[=Uwaso Ngiro] River		0° 40' 00" N 37° 32' 00" E	914 m
(see also: Samburu Game Lodge, Samburu Uaso Nyiro Game Reserve)			
Samburu Uaso Nyiro Game Reserve (see Samburu Game Reserve), Vasio Nyiro[=Uwaso Ngiro] River		0° 40' 00" N 37° 32' 00" E	
Ngomeni, N of Kitui		1° 22' 00" S 38° 01' 00" E	
Oloitokitok, near Government Rest House		2° 55' 49" S 37° 30' 18" E	
Paradise, lake (see Sokorte Guda)		2° 15' 44" N 37° 56' 07" E	
Rodolfo, lago (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Sokorte Guda		2° 15' 44" N 37° 56' 07" E	
(see also: Lake Paradise, Paradise, lake)			
Tana river		0° 00' 00" S 37° 00' 00" E	

Thika road, 12 km NE Nairobi		1° 13' 15" S 36° 53' 22" E	
Tsavo National Park		3° 00' 00" S 38° 40' 00" E	762 m
Jipe, lake		3° 35' 00" S 37° 46' 00" E	884 m
(see also: Jippe, lake, Lake Jipe, Lake Jippe)			
Jippe, lake (see Jipe, lake)		3° 35' 00" S 37° 27' 00" E	884 m
Lake Jipe (see Jipe, lake)		3° 35' 00" S 37° 27' 00" E	884 m
Lake Jippe (see Jipe, lake)		3° 35' 00" S 37° 27' 00" E	884 m
Rhino Corner		2° 47' 00" S 38° 26' 00" E	
Ukamba (see Kitui)		1° 22' 00" S 38° 01' 00" E	1151 m
Ulu		1° 49' 00" S 37° 09' 00" E	1588 m
yeRudolf Bahir (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Elgeyo Marakwet county			
Embu Boma			
Embu county			
Gan Gafe			
Garissa county			
Garissa district		0° 30' 00" S 40° 15' 00" E	
Garissa		0° 27' 25" S 39° 39' 30" E	151 m
Homa Bay county	ca.	0° 30' 00" S 34° 30' 00" E	ca. 1524 m
Isiolo county			
Isiolo district			
Archers Post		0° 39' 00" N 37° 41' 00" E	834 m
(see also: Archer's Post)			
Archer's Post (see Archers Post)		0° 39' 00" N 37° 41' 00" E	834 m
Buffalo Springs (Nature Reserve), near Isiolo		0° 37' 00" N 37° 39' 00" E	
Isiala (see Isiolo)		0° 21' 00" N 37° 35' 00" E	1145 m
Isiola (see Isiolo)		0° 21' 00" N 37° 35' 00" E	1145 m
Isiolo		0° 21' 00" N 37° 35' 00" E	1145 m
(see also: Isiala, Isiola)			
Isiolo Buffalo Springs Game Reserve		0° 03' 12" N 37° 34' 00" E	
(see also: Isiolo Game Reserve)			
Isiolo Game Reserve (see Isiolo Buffalo Springs Game Reserve)		0° 03' 12" N 37° 34' 00" E	
Buffalo Springs Camp		0° 37' 00" N 37° 39' 00" E	
Isiolo, 15 mi [=24 km] N		0° 35' 00" N 37° 36' 00" E	
Isiolo, 15 mi [=24 km] W	ca.	0° 21' 00" N 37° 35' 00" E	
Isiolo, 18 km SE		0° 20' 00" N 37° 45' 00" E	
Isiolo, 38 mi [=61 km] N (see Nyama Yango)		0° 54' 11" N 37° 35' 00" E	
Isiolo, 5 mi [=8 km] SW		0° 17' 00" N 37° 33' 00" E	
Isiolo, 6 mi [=9.6 km] N		0° 25' 00" N 37° 36' 00" E	
Nyama Yango, 38 mi [=61 km] N Isiolo		0° 54' 11" N 37° 35' 00" E	
(see also: Isiolo, 38 mi [=61 km] N)			
Jula Farm			
Kajiado county			
Kajido district			
Keambiroiro (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Kiambiruiru (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Lollaisihr, Ol Doinyo (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Lollaisir, Ol Doinyo (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Ngong, near Nairobi		1° 22' 00" S 36° 39' 00" E	1829 m
(see also: Ngong Forest)			
Ngong Forest (see Ngong), near Nairobi		1° 22' 00" S 36° 39' 00" E	1829 m
Ngong Hills		1° 24' 00" S 36° 38' 00" E	
(see also: Keambiroiro, Kiambiruiru, Lollaisihr, Ol Doinyo, Lollaisir, Ol Doinyo, Ol Doinyo Lollaisihr, Ol Doinyo Lollaisir, Ol Doinyo Ololemoya, Ololemoya, Ol Doinyo)			
Westwood Park Hotel		1° 24' 00" S 36° 38' 00" E	
Ol Doinyo Lollaisihr (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Ol Doinyo Lollaisir (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Ol Doinyo Ololemoya (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Ololemoya, Ol Doinyo (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Karen, 10 mi [=16 km] SW, near Nairobi	ca.	1° 24' 00" S 36° 40' 00" E	
Kiboko, 10 mi [=16 km] W	ca.	2° 09' 00" S 37° 35' 00" E	
Mount Londiani (see Londiani, mount)		1° 09' 00" S 36° 21' 00" E	
(see also: Mount Suswa cave, Ol Doinyo Nyuki, cave, Susua, cave, Suswa caves)			
Mount Susua (see Oldoinyo Nyukie)		1° 09' 00" S 36° 21' 00" E	
Mount Suswa (see Oldoinyo Nyukie)		1° 09' 00" S 36° 21' 00" E	
Mount Suswa cave (see Mount Londiani), 35 mi [= 55 km] WNW Nairobi		1° 09' 00" S 36° 21' 00" E	2195 m
(see also: Nairobi, 35 mi [= 55 km] WNW)			
Nairobi, 35 mi [= 55 km] WNW (see Mount Suswa cave)		1° 09' 00" S 36° 21' 00" E	2195 m
Ol Doinyo Nyuki, cave (see Mount Londiani)		1° 09' 00" S 36° 21' 00" E	

Oldoinyo Nyukie (see also: Mount Susua, Mount Suswa, Susua, mount, Suswa, mount)		1° 09' 00" S 36° 21' 00" E	
Susua, cave (see Mount Londiani)		1° 09' 00" S 36° 21' 00" E	
Susua, mount (see Oldoinyo Nyukie)		1° 09' 00" S 36° 21' 00" E	
Suswa caves (see Mount Londiani)		1° 09' 00" S 36° 21' 00" E	
Suswa, mount (see Oldoinyo Nyukie)		1° 09' 00" S 36° 21' 00" E	
Kedong Valley (see Nkidong Valley)		1° 10' 00" S 36° 30' 00" E	6000 ft
Nkidong Valley (see also: Kedong Valley)		1° 10' 00" S 36° 30' 00" E	6000 ft
Kakamega county			
Hoey's Bridge, 18 mi [=29 km] SE Kitale (see also: Kitale, 18 mi [=29 km] SE, Moi's bridge)		0° 52' 34" N 35° 07' 13" E	1822 m
Kakamega		0° 17' 00" N 34° 45' 00" E	1523 m
Kakamega district			
Ikuywa river bridge, 6.5 km S, 19 km E Kakamega (see also: Kakamega, 6.5 km S, 19 km E)		0° 12' 00" N 34° 54' 00" E	
Kaimosi, W Nyanza (see also: Kiamosi)		0° 08' 00" N 34° 51' 00" E	
Kakamega Forest Mine, 10 mi [=16 km] S Kakamega		0° 10' 49" N 34° 51' 08" E	
Kakamega Forest Station, 3.5 km S, 12 km E Kakamega (see also: Kakamega, 3.5 km S, 12 km E)		0° 16' 00" N 34° 53' 00" E	1615 m
Kakamega Forest Station, 1 mi [=1.6 km] NE		0° 17' 00" N 34° 47' 00" E	1615 m
Kakamega Forest Station, 4 mi [=6.4 km] E	ca.	0° 17' 00" N 34° 47' 00" E	1615 m
Kakamega, 3.5 km S, 12 km E (see Kakamega Forest Station), 3.5 km S, 12 km E Kakamega		0° 16' 00" N 34° 53' 00" E	1615 m
Kakamega, 5 km S, 16 km E		0° 16' 00" N 34° 53' 00" E	
Kakamega, 6 km S, 16 km E		0° 13' 00" N 34° 54' 00" E	
Kakamega, 6.5 km S, 19 km E (see Ikuywa river bridge)		0° 12' 00" N 34° 54' 00" E	
Kakamega, 8 mi [=13 km] S	ca.	0° 16' 00" N 34° 53' 00" E	
Kiamosi (see Kaimosi), W Nyanza		0° 08' 00" N 34° 51' 00" E	
Kakamega Forest, 8 mi [=13 km] SE Kakamega (see also: Kakamega Forest Reserve, Kakamega, 8 mi [=13 km] SE)		0° 16' 00" N 34° 53' 00" E	1585 m
Colobus Circuit 1		0° 21' 22" N 34° 51' 41" E	
Ikhondo Camp		0° 21' 08" N 34° 51' 53" E	
Lirandha Hill			
Lirhanda Cave		0° 12' 42" N 34° 53' 55" E	
Mahiakalo Cave		0° 14' 52" N 34° 54' 23" E	
Salazar Trail		0° 20' 06" N 34° 52' 26" E	
Kakamega Forest Reserve (see Kakamega Forest)		0° 16' 00" N 34° 53' 00" E	1585 m
Kakamega, 8 mi [=13 km] SE (see Kakamega Forest)		0° 16' 00" N 34° 53' 00" E	1585 m
Kitale, 18 mi [=29 km] SE (see Hoey's Bridge)		0° 52' 34" N 35° 07' 13" E	1822 m
Moi's bridge (see Hoey's Bridge)		0° 52' 34" N 35° 07' 13" E	1822 m
Mukangu Village		0° 22' 03" N 34° 52' 11" E	
Mungokho Village		0° 22' 29" N 34° 53' 55" E	
Rondo forest, Kakamega forest		0° 14' 43" N 34° 52' 52" E	
Shikusa, near Kakamega		0° 15' 00" N 34° 45' 00" E	5500 ft
Kalipti			
Kamuani	ca.	1° 31' 00" S 37° 16' 00" E	
Katilo			
Katilo			
Kenia Forest			
Kericho county			
Kiambu county			
Gikuyu (see Kikuyu)		1° 15' 00" S 36° 40' 00" E	1931 m
Kiambu district			
Dhika (see Thika)		1° 03' 00" S 37° 05' 00" E	
Kiambu		1° 10' 00" S 36° 50' 00" E	1723 m
Thika (see also: Dhika)		1° 03' 00" S 37° 05' 00" E	
Thika, near	ca.	1° 03' 00" S 37° 05' 00" E	
Kikuyu (see also: Gikuyu)		1° 15' 00" S 36° 40' 00" E	1931 m
Kiriri		1° 12' 00" S 36° 34' 00" E	1971 m
Kibomoto			
Kiega Hill			
Kilifi county			
Arabuko-Sokoke District		3° 20' 00" S 39° 52' 00" E	
Arabuko-Sokoke Forest		3° 20' 00" S 39° 52' 00" E	
Galana River	ca.	3° 20' 00" S 39° 20' 00" E	
Garibete Water Hole (see also: Garibiti)		3° 26' 00" S 39° 16' 00" E	

Garibiti (see Garibete Water Hole)		3° 26' 00" S 39° 16' 00" E	
Kikambala		3° 54' 00" S 39° 47' 00" E	0 m
Kilifi district			
Galana Game Scheme (see Galana Ranch)		3° 20' 00" S 39° 20' 00" E	
Galana Ranch		3° 20' 00" S 39° 20' 00" E	
(see also: Galana Game Scheme)			
Kalifi (see Kilifi)		3° 38' 00" S 39° 51' 00" E	0 m
Kilifi		3° 38' 00" S 39° 51' 00" E	61 m
(see also: Kalifi)			
Kilifi cave		3° 38' 00" S 39° 51' 00" E	0 m
Kilifi creek, 2 mi [=3.2 km] W Kilifi	ca.	3° 38' 00" S 39° 51' 00" E	
(see also: Kilifi, 2 mi [=3.2 km] W)			
Kilifi creek, head of, 6 mi [=9.7 km] W Kilifi		3° 34' 48" S 39° 46' 48" E	
Kilifi, 1 km S		3° 37' 00" S 39° 50' 00" E	
Kilifi, 1 mi [=1.6 km] N	ca.	3° 38' 00" S 39° 51' 00" E	15 m
Kilifi, 1.5 mi [=2.4 km] N	ca.	3° 38' 00" S 39° 51' 00" E	50 m
Kilifi, 2 mi [=3.2 km] N	ca.	3° 38' 00" S 39° 51' 00" E	50 m
Kilifi, 2 mi [=3.2 km] W (see Kilifi creek)	ca.	3° 38' 00" S 39° 51' 00" E	
Kilifi, 5 mi [=8 km] W		3° 37' 00" S 39° 45' 00" E	
Kilifi, 6 mi [=9.7 km] S	ca.	3° 38' 00" S 39° 51' 00" E	
Kilifi, 6 mi [=9.7 km] W		3° 34' 48" S 39° 46' 48" E	61 m
Kilifi, 6 mi [=9.7 km] WNW (see Sokoke Forest)		3° 29' 00" S 39° 50' 00" E	200 ft
Kilifi, near	ca.	3° 38' 00" S 39° 51' 00" E	
Sokoke Forest, 6 mi [=9.6 km] WNW Kilifi		3° 29' 00" S 39° 50' 00" E	200 ft
(see also: Kilifi, 6 mi [=9.7 km] WNW)			
Taka Ungu (see Takaungu), 4 mi S Kilifi, near Uombesa		3° 41' 00" S 39° 51' 00" E	5 m
Taka Unka, Ungu Palm Grove on Coast (see Takaungu)		3° 41' 00" S 39° 51' 00" E	5 m
Takaungu		3° 41' 00" S 39° 51' 00" E	5 m
(see also: Taka Ungu, Taka Unka, Ungu Palm Grove on Coast)			
Malindi district			
Gede National Park		3° 18' 00" S 40° 01' 00" E	7 m
(see also: Gede Royal National Park, Gedi National Park, Gedi Royal National Park)			
Gome Maria caves		3° 20' 00" S 40° 01' 00" E	
Gede Royal National Park (see Gede National Park)		3° 18' 00" S 40° 01' 00" E	7 m
Gedeh		3° 18' 00" S 40° 01' 00" E	7 m
(see also: Gedi)			
Gedi (see Gedeh)		3° 18' 00" S 40° 01' 00" E	7 m
Gedi National Park (see Gede National Park)		3° 18' 00" S 40° 01' 00" E	7 m
Gedi Royal National Park (see Gede National Park)		3° 18' 00" S 40° 01' 00" E	7 m
Watamu		3° 21' 00" S 40° 01' 00" E	0 m
(see also: Watamu Beach)			
Watamu Beach (see Watamu)		3° 21' 00" S 40° 01' 00" E	0 m
Kirinyaga county			
Kisii county			
Kisumu county			
Impala Sanctuary		0° 07' 03" S 34° 44' 40" E	
State Lodge Campsite		0° 06' 34" S 34° 44' 46" E	
Kisumu district		0° 15' 00" S 34° 55' 00" E	
Kit Mikayi		0° 07' 04" S 34° 32' 28" E	
Koru		0° 11' 00" S 35° 16' 00" E	1980 m
Kitui county			
Kibwezi, 30 mi [=48 km] NNE	ca.	2° 02' 26" S 38° 11' 12" E	3500 ft
Kitui		1° 22' 00" S 38° 01' 00" E	1151 m
(see also: Ukamba)			
Kongelai Escarpment (see Kongelai Escarpment), 10 mi NNW Kapenguria		1° 28' 00" N 35° 01' 00" E	
(see also: Kapenguria, 10 mi [=16 km] NNW, Tambala Falls)			
Kongelai Escarpment		1° 28' 00" N 35° 01' 00" E	
(see also: Kongelai Escarpment)			
Kwale county			
Kichakasimba hill		4° 29' 07" S 39° 15' 47" E	
(see also: Mrima hill)			
Kwale district	ca.	4° 11' 00" S 39° 27' 00" E	
Chale plateau (see Shimba hills)		4° 13' 00" S 39° 25' 00" E	
Diani		4° 16' 19" S 39° 34' 08" E	
(see also: Mobasa, 20 mi [=32 km] S, Moto cave, Mwapewa caves)			
Diani Beach		4° 18' 13" S 39° 35' 01" E	
(see also: Diani cave, Ndiani coast)			
Diani Beach Centre, 10 km S (see Diani Beach, 10 km S)		4° 20' 00" S 39° 32' 00" E	ca. 5 m

Diani Beach, 10 km S (see also: Diani Beach Centre, 10 km S)		4° 20' 00" S 39° 32' 00" E	
Diani cave (see Diani Beach)		4° 18' 13" S 39° 35' 01" E	
Diani Forest		4° 20' 00" S 39° 32' 00" E	
Kibuyuni area		4° 23' 57" S 39° 18' 54" E	
Kichaka Simba (see Kichakasimba)		4° 20' 57" S 39° 21' 33" E	
Kichakasimba (see also: Kichaka Simba)		4° 20' 57" S 39° 21' 33" E	
Kivondo Forest		4° 12' 00" S 39° 27' 00" E	
Kwale		4° 11' 00" S 39° 27' 00" E	303 m
Mobasa, 20 mi [=32 km] S (see Diani)		4° 16' 19" S 39° 34' 08" E	
Mombasa, 25 km S (see Tiwi)		4° 14' 00" S 39° 35' 00" E	5 m
Moto cave (see Diani), 20 mi [=32 km] S Mombasa		4° 16' 19" S 39° 34' 08" E	
Mukanda one cave		4° 10' 00" S 39° 27' 00" E	
Mwapewa caves (see Diani)		4° 16' 19" S 39° 34' 08" E	
Ndiani coast (see Diani Beach)		4° 18' 13" S 39° 35' 01" E	
Pango La Mwana Moto	ca.	4° 11' 00" S 39° 27' 00" E	
Shimba hills (see also: Chale plateau)		4° 13' 00" S 39° 25' 00" E	305 m
Lukore, Mkanda river		4° 13' 00" S 39° 25' 00" E	
Lukore area		4° 13' 00" S 39° 25' 00" E	
Lutore Forest		4° 22' 00" S 39° 10' 00" E	152 m
Mukanda Bridge	ca.	4° 10' 00" S 39° 27' 00" E	
Mukanda river, Shimba Hills Settlement (see also: Mukanda Stream)		4° 10' 00" S 39° 27' 00" E	152 m
Mukanda river, near bridge 2, Shimba Hills Settlement	ca.	4° 10' 00" S 39° 27' 00" E	
Mukanda Stream (see Mukanda river)		4° 10' 00" S 39° 27' 00" E	152 m
Shimba hills (forest) (see Shimba Hills Nature Reserve)		4° 14' 00" S 39° 25' 00" E	
Shimba Hills Nature Reserve (see also: Shimba hills (forest))		4° 14' 00" S 39° 25' 00" E	
Shimba Hills Nature Reserve		4° 14' 00" S 39° 25' 00" E	
Kwale, 12 km S, 11 mi W		4° 17' 00" S 39° 21' 00" E	
Makandara Forest	ca.	4° 15' 00" S 39° 23' 00" E	
Makandara picnic site, Kwale, 8 km W		4° 15' 00" S 39° 23' 00" E	
Mwele Forest, 12 km S, 11 km W Kwale		4° 17' 00" S 39° 21' 00" E	
Shimba Hills Settlement		4° 21' 46" S 39° 24' 56" E	
Tiwi, 25 km S Mombasa (see also: Mombasa, 25 km S)		4° 14' 00" S 39° 35' 00" E	5 m
Tiwi Beach, 25 km S Mombasa		4° 14' 00" S 39° 35' 00" E	2 m
Tiwi River delta		4° 15' 00" S 39° 35' 00" E	
Tiwi, 1 km N	ca.	4° 14' 00" S 39° 34' 00" E	
Tiwi, NW of	ca.	4° 14' 00" S 39° 34' 00" E	
Magwagwa Beach, Masembweni		4° 07' 49" S 39° 36' 51" E	
Mkanda River		4° 24' 26" S 39° 19' 18" E	
Mombasa, 10 km S (see Ngombeni location)		4° 07' 49" S 39° 36' 51" E	31 m
Mombasa, 11 km S (see Ngombeni location)		4° 07' 49" S 39° 36' 51" E	31 m
Mrima hill (see Kichakasimba hill)		4° 29' 07" S 39° 15' 47" E	
Msambweni		4° 27' 49" S 39° 28' 19" E	
Ngombeni (see Ngombeni location), 10 km S Mombasa		4° 07' 49" S 39° 36' 51" E	31 m
Ngombeni caves (see Ngombeni location), 11 km S Mombasa		4° 07' 49" S 39° 36' 51" E	31 m
Ngombeni location (see also: Mombasa, 10 km S, Mombasa, 11 km S, Ngombeni, Ngombeni caves, Ngomheni, Similani caves)		4° 07' 49" S 39° 36' 51" E	31 m
Ngomheni (see Ngombeni location), 10 km S Mombasa		4° 07' 49" S 39° 36' 51" E	31 m
Shimani (see Shimoni)		4° 38' 50" S 39° 23' 00" E	0 m
Shimilani, 15 mi [=24 km] S Mombasa		4° 14' 00" S 39° 36' 00" E	
Shimoni, 50 mi S of Mombasa (see also: Shimani)		4° 38' 50" S 39° 23' 00" E	0 m
Shimoni cave		4° 38' 50" S 39° 23' 00" E	0 m
Similani caves (see Ngombeni location), 10 km S Mombasa		4° 07' 49" S 39° 36' 51" E	31 m
Waa		4° 10' 12" S 39° 36' 10" E	
Kyanbym			
Kyanguli		0° 48' 39" S 38° 23' 02" E	
Laikipia county			
Kenya, mount, 37 km W (see Nanyuki)		0° 01' 00" N 37° 04' 00" E	1986 m
Mount Kenya, 37 km W (see Nanyuki)		0° 01' 00" N 37° 04' 00" E	1986 m
Nanguki (see Nanyuki), 37 km W of Mt. Kenya		0° 01' 00" N 37° 04' 00" E	1986 m

Nanyuki, 37 km W of Mt. Kenya (see also: Kenya, mount, 37 km W, Mount Kenya, 37 km W, Nanguki)		0° 01' 00" N 37° 04' 00" E	1986 m
Nanyuki district			
Northern Guaso Nyiro, Nyuki [=Nanyuki] river (see also: Northern Nanyuki river, Northern Nyuki river)	ca.	0° 06' 00" S 37° 13' 00" E	
Chandlers Falls (see Chanlers Falls)		0° 47' 00" N 38° 05' 00" E	
Chandler's Falls (see Chanlers Falls)		0° 47' 00" N 38° 05' 00" E	
Chanlers Falls (see also: Chandlers Falls, Chandler's Falls)		0° 47' 00" N 38° 05' 00" E	
Northern Nanyuki river (see Northern Guaso Nyiro, Nyuki [=Nanyuki] river)	ca.	0° 06' 00" S 37° 13' 00" E	
Northern Nyuki river (see Northern Guaso Nyiro, Nyuki [=Nanyuki] river)	ca.	0° 06' 00" S 37° 13' 00" E	
Nanyuki, 24 mi [=39 km] N	ca.	0° 22' 00" N 37° 05' 00" E	
Nanyuki, 27 mi [=43 km] NW (see Sosian Game Ranch)	ca.	0° 14' 00" N 36° 42' 00" E	
Nanyuki, 38 km N		0° 22' 00" N 37° 05' 00" E	
Nanyuki, near	ca.	0° 01' 00" N 37° 04' 00" E	
Ol Jogi Conservancy		0° 21' 00" N 36° 57' 00" E	
Kiboko Campsite		0° 19' 03" N 36° 54' 39" E	
Ol Jogi Dam		0° 19' 29" N 36° 56' 05" E	
Pyramid Camp		0° 18' 34" N 36° 04' 34" E	
Water treatment site		0° 18' 14" N 36° 55' 31" E	
Sosian Game Ranch (see also: Nanyuki, 27 mi [=43 km] NW)	ca.	0° 14' 00" N 36° 42' 00" E	
Lake Rudolf (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Central Island		3° 30' 00" N 36° 05' 00" E	
Lake Turkana (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Bat island, near Central island		3° 27' 00" N 36° 04' 00" E	
Benane, 2 km E Garba Tula (see also: Garba Tula, 2 km E)		0° 30' 00" N 38° 40' 00" E	366 m
Ferguson's Gulf		3° 31' 00" N 35° 55' 00" E	
Garba Tula, 2 km E (see Benane)		0° 30' 00" N 38° 40' 00" E	366 m
Lamu county			
Lamu district			
Bodhai (see Bodhei)		1° 52' 07" S 40° 43' 39" E	11 m
Bodhei (see also: Bodhai, Boni Forest)		1° 52' 07" S 40° 43' 39" E	11 m
Boni Forest (see Bodhei)		1° 52' 07" S 40° 43' 39" E	11 m
Boni National Reserve		1° 32' 22" S 41° 19' 53" E	
Lamu Island		2° 16' 49" S 40° 51' 29" E	
Amu (see Lamu)		2° 16' 42" S 40° 54' 12" E	1 m
Amu Town, NW of (see Lamu (town), NW of)	ca.	2° 16' 42" S 40° 54' 12" E	1 m
Lamu (see also: Amu)		2° 16' 42" S 40° 54' 12" E	1 m
Lamu (town), NW of (see also: Amu Town, NW of)	ca.	2° 16' 42" S 40° 54' 12" E	1 m
Lamu Island, SE coast	ca.	2° 16' 49" S 40° 51' 29" E	
Matadoni (see Matondoni)		2° 15' 54" S 40° 50' 17" E	
Matandoni (see Matondoni)		2° 15' 54" S 40° 50' 17" E	
Matondoni (see also: Matadoni, Matandoni)		2° 15' 54" S 40° 50' 17" E	
Loitokitok			
Machakos county			
Doinyo Sapuk (see Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Donjo Sebuk (see Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Donya Sabuk (see Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Donyo Sabuk (see also: Doinyo Sapuk, Donjo Sebuk, Donya Sabuk, Nairobi, 32 mi [=52 km] NE, Ol Doinyo Sapuk, mount, Ol Donyo Sabuk National Park, Ol'Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Kajata area (see Kayata area), near Donyo Sabuk		1° 07' 41" S 37° 19' 39" E	
Kayata area, near Donyo Sabuk (see also: Kajata area)		1° 07' 41" S 37° 19' 39" E	
Lukenia hills (see Ulukenia hills), Athi plains	ca.	1° 29' 00" S 37° 03' 00" E	
Lukenya hills (see Ulukenia hills), Athi plains	ca.	1° 29' 00" S 37° 03' 00" E	
Machakos district		2° 00' 00" S 37° 40' 00" E	
Aiuumandu Hill	ca.	2° 00' 00" S 37° 40' 00" E	
Athi River, near Nairobi (see also: Athi River Station, Athi River Town, Athi Station)		1° 27' 00" S 36° 59' 00" E	1528 m
Athi River Station (see Athi River), near Nairobi		1° 27' 00" S 36° 59' 00" E	1528 m
Athi River Town (see Athi River), near Nairobi		1° 27' 00" S 36° 59' 00" E	1528 m

Athi River Town, 1 mi [=1.6 km] S	ca.	1° 27' 00" S 36° 59' 00" E	
Athi River, 6 mi [=9.6 km] SE		1° 30' 00" S 37° 01' 59" E	
Athi river, 6 mi [=9.7 km] S, near Nairobi	ca.	1° 27' 00" S 36° 59' 00" E	
Athi Station (see Athi River), near Nairobi		1° 27' 00" S 36° 59' 00" E	1528 m
Caverne de Wacoumbas (see Wacoumbas cave)			
Hunter's Lodge, near, 150 km along Nairobi - Mombasa road	ca.	2° 11' 00" S 37° 43' 00" E	
Ianzoni		1° 41' 00" S 37° 19' 00" E	1738 m
Kalama (location)		1° 36' 00" S 37° 20' 00" E	
(see also: Mbeyo Hill)			
Kejengole Route			
Kivokwe Rock			
Kyengole Rocks			
Mbebo Hill (see Mbevo)		1° 39' 00" S 37° 17' 00" E	
Mbero (see Mbevo)		1° 39' 00" S 37° 17' 00" E	
Mbero Rock	ca.	1° 39' 00" S 37° 17' 00" E	
Mbevo		1° 39' 00" S 37° 17' 00" E	
(see also: Mbebo Hill, Mbero)			
Mbevo Hills	ca.	1° 37' 00" S 37° 16' 00" E	
Momandu Hill (see Muumandu)		1° 40' 00" S 37° 17' 00" E	
Mumandu Hill (see Muumandu)		1° 40' 00" S 37° 17' 00" E	
Muumandu		1° 35' 00" S 37° 21' 00" E	
(see also: Momandu Hill, Mumandu Hill, Muumandu Hill, Muumandu Market)			
Muumandu Hill (see Muumandu)		1° 40' 00" S 37° 17' 00" E	
Muumandu Market (see Muumandu)		1° 40' 00" S 37° 17' 00" E	
Kalama Hills		1° 37' 00" S 37° 21' 00" E	
Kalama location		1° 38' 00" S 37° 20' 00" E	
Kalonduni	ca.	1° 38' 00" S 37° 20' 00" E	
Kamuani Area		1° 31' 00" S 37° 16' 00" E	
Kamuuani	ca.	1° 31' 00" S 37° 16' 00" E	
Katangi Area			
Makueni		1° 48' 00" S 37° 37' 00" E	1218 m
(see also: Makueni Boma)			
Makueni Boma (see Makueni)		1° 48' 00" S 37° 37' 00" E	1218 m
Katuaa Market		1° 40' 56" S 37° 19' 08" E	
Keyanguli, Kasema		1° 30' 00" S 37° 15' 00" E	1829 m
Kiboko, 10 mi [=19 km] S		2° 16' 59" S 37° 40' 01" E	
Kiboko, 2 mi [=3.2 km] NW	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 20 km NW	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 3 mi [=4.8 km] E, Granite Outcrop	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 3 mi [=4.8 km] W	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 4 mi [=6.4 km] W	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 5 km W, near Nairobi	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, ca 10 mi [=16 km] N	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kinu		0° 58' 00" S 38° 18' 00" E	
Kithembe (sub-)location	ca.	1° 46' 00" S 37° 22' 00" E	
Kalanzoni	ca.	1° 46' 00" S 37° 22' 00" E	
Kiuu		0° 36' 00" S 37° 09' 00" E	1308 m
Kivani		1° 43' 00" S 37° 22' 00" E	1529 m
Konza		1° 45' 00" S 37° 07' 00" E	1583 m
Konza area	ca.	1° 45' 00" S 37° 07' 00" E	
Konza Farm	ca.	1° 45' 00" S 37° 07' 00" E	
Kyamunyu		1° 39' 28" S 37° 18' 21" E	
(see also: Kyamunyuu, Kyamuyu)			
Kyamunyuu (see Kyamunyu)		1° 39' 28" S 37° 18' 21" E	
Kyamuyu (see Kyamunyu)		1° 39' 28" S 37° 18' 21" E	
Kyanguli (hill)		0° 48' 39" S 38° 23' 02" E	
Kyanguli area	ca.	0° 48' 39" S 38° 23' 02" E	
Kyengole			
Lukenia		1° 29' 00" S 37° 03' 00" E	1524 m
Lukenya, mount		1° 28' 00" S 37° 03' 00" E	
Machakos		1° 31' 00" S 37° 16' 00" E	1714 m
(see also: Masaku)			
Machakos, 15 mi [=24 km] SE		1° 40' 16" S 37° 25' 12" E	1829 m
Machakos, 15 mi [=24 km] SW	ca.	1° 40' 00" S 37° 07' 00" E	1829 m
Machakos, mear	ca.	1° 31' 00" S 37° 16' 00" E	1219 m
Masaku (see Machakos)		1° 31' 00" S 37° 16' 00" E	1714 m
Mbero area (see Mbevo area)	ca.	1° 39' 00" S 37° 17' 00" E	
Mbeva Hill			
Mbevo area	ca.	1° 39' 00" S 37° 17' 00" E	
(see also: Mbero area)			
Mbeyo Hill (see Kalama (location)), near Machakos	ca.	1° 37' 00" S 37° 16' 00" E	
Mbondone (see Mbondoni)		1° 27' 16" S 37° 31' 57" E	
Mbondoni		1° 27' 16" S 37° 31' 57" E	
(see also: Mbondone)			

Mount Lukenya		1° 28' 00" S 37° 03' 00" E	
Nairobi - Mombasa road, 150 km along (see Hunter's Lodge)	ca.	2° 11' 00" S 37° 43' 00" E	
Nairobi, 30 mi [=48 km] E		1° 31' 00" S 37° 16' 00" E	1524 m
Nyaami	ca.	1° 48' 00" S 37° 25' 00" E	
Sultan Hamud		2° 01' 00" S 37° 22' 00" E	1371 m
Wacoumbas cave (see also: Caverne de Wacoumbas)			
Yatter		2° 18' 00" S 38° 13' 00" E	
Nairobi, 32 mi [=52 km] NE (see Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Ol Doinyo Sapuk, mount (see Donyo Sabuk), 32 mi NE Nairobi		1° 08' 00" S 37° 16' 00" E	
Ol Donyo Sabuk National Park (see Donyo Sabuk), 32 mi NE Nairobi		1° 08' 00" S 37° 16' 00" E	
Ol'Donyo Sabuk (see Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Ulucania hills (see Ulukenia hills), Athi plains	ca.	1° 29' 00" S 37° 03' 00" E	
Ulukenia hills, Athi plains (see also: Lukenia hills, Lukenya hills, Ulucania hills)	ca.	1° 29' 00" S 37° 03' 00" E	
Makueni county			
Bushwacker's Safari Camp, 10.5 km N, 17 km E Kibwezi (see also: Kibwezi, 10.5 km N, 17 km E)	ca.	2° 19' 00" S 38° 07' 00" E	
Kibwesi (see Kibwezi)		2° 25' 00" S 37° 58' 00" E	
Kibwezi (see also: Kibwesi, Libwezi)		2° 25' 00" S 37° 58' 00" E	
Kibwezi, 10.5 km N, 17 km E (see Bushwacker's Safari Camp)	ca.	2° 19' 00" S 38° 07' 00" E	
Kibwezi, 6.5 mi [=10.5 km] N, 10.5 mi [=17 km] E	ca.	2° 19' 00" S 38° 06' 00" E	
Kibwezi, near	ca.	2° 25' 00" S 37° 58' 00" E	ca. 3500 ft
Kimakia cave		2° 30' 00" S 37° 45' 00" E	
Libwezi (see Kibwezi)		2° 25' 00" S 37° 58' 00" E	
Makueni district			
Bikobo, lava cave (see Kiboko)		2° 11' 00" S 37° 43' 00" E	
Chyulu Hills National Park		2° 34' 59" S 37° 49' 59" E	1930 m
Ihundu cave (see Ithundu caves)		2° 19' 59" S 37° 42' 12" E	
Ithundu caves, near Kiboko and Makindu (see also: Ihundu cave, Ithundu lava cave)		2° 19' 59" S 37° 42' 12" E	
Ithundu lava cave (see Ithundu caves)		2° 19' 59" S 37° 42' 12" E	
Kiboko (see also: Bikobo, lava cave, Kiboko cave, Kiboko station)		2° 11' 00" S 37° 43' 00" E	
Hunter's Lodge (see also: Nairobi - Mombasa road, 150 km along)		2° 12' 41" S 37° 42' 55" E	1067 m
Kiboko cave (see Kiboko)		2° 11' 00" S 37° 43' 00" E	930 m
Kiboko station (see Kiboko)		2° 11' 00" S 37° 43' 00" E	930 m
Kiboko, 1 mi [=1.6 km] E	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 1 mi [=1.6 km] W	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 10 mi [=16 km] N		2° 02' 00" S 37° 42' 00" E	3000 ft
Kiboko, 10 mi [=16 km] S	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 10 mi [=19 km] E	ca.	2° 16' 00" S 37° 49' 00" E	
Makendo (see Makindu)		2° 17' 00" S 37° 49' 00" E	1070 m
Makindu (see also: Makendo)		2° 17' 00" S 37° 49' 00" E	1070 m
Ndauni area, Machakos district?	ca.	2° 01' 00" S 37° 26' 00" E	
Mandera county			
Mandera district		3° 30' 00" N 40° 45' 00" E	
Takaba (see also: Takabba)		3° 21' 19" N 40° 13' 22" E	606 m
Takaba, 25 mi [=40 km] WSW (see also: Takabba, 25 mi [=40 km] WSW)		3° 22' 00" N 39° 45' 00" E	853 m
Takaba, 64.7 km WSW (see also: Takabba, 64.7 km WSW)		3° 22' 00" N 39° 45' 00" E	853 m
Takabba (see Takaba)		3° 21' 19" N 40° 13' 22" E	606 m
Takabba, 25 mi [=40 km] WSW (see Takaba, 25 mi [=40 km] WSW)		3° 22' 00" N 39° 45' 00" E	853 m
Takabba, 64.7 km WSW (see Takaba, 64.7 km WSW)		3° 22' 00" N 39° 45' 00" E	853 m
Maragogo			
Marsabit county			
Marsabit district		3° 00' 00" N 37° 30' 00" E	
Marsabit, mount (see also: Mount Marsabit)		2° 17' 24" N 37° 56' 41" E	
Mount Marsabit (see Marsabit, mount)		2° 17' 24" N 37° 56' 41" E	1219 m
Mbero Rocks			

Meru county			
Meru		0° 03' 00" N 37° 39' 00" E	1581 m
Meru district			
Igembe, Nyambeni hills		0° 15' 00" N 37° 55' 00" E	1460 m
Kinna		0° 19' 00" N 38° 12' 00" E	457 m
Meru National Park			
Leopard Rock Lodge		0° 12' 00" N 38° 12' 00" E	
Mount Kenya, W side	ca.	0° 10' 00" S 37° 20' 00" E	2134 m
(see also: Western Slope of Mount Kenya)			
Suyan Lugga, Bansaloi area, Mount Kenya		0° 10' 00" S 37° 20' 00" E	1219 m
Western Slope of Mount Kenya (see Mount Kenya, W side)	ca.	0° 10' 00" S 37° 20' 00" E	
Migori county			
Mombasa county			
Mombasa		4° 03' 00" S 39° 40' 00" E	0 m
(see also: Mombas, Mombassa, Mvita)			
Kilindini		4° 04' 00" S 39° 40' 00" E	0 ft
Murang'a county			
Dhika, 6 km N (see Thika, 6 km N)	ca.	0° 59' 37" S 37° 05' 09" E	ca. 1500 m
Naivasha, 35 km E		0° 44' 00" S 36° 45' 00" E	1890 m
Naivasha, 35.4 km E		0° 44' 00" S 36° 45' 00" E	1900 m
Thika, 16 km N		0° 54' 00" S 37° 05' 00" E	1500 m
Thika, 6 km N	ca.	0° 59' 37" S 37° 05' 09" E	ca. 1500 m
(see also: Dhika, 6 km N)			
Nairobi (former) province			1707 m
Kilimani Estate		1° 17' 00" S 36° 47' 00" E	
Nairobi National Park		1° 22' 00" S 36° 50' 00" E	
Makoyeti Gorge		1° 22' 00" S 36° 50' 00" E	
Nairobi Royal National Park		1° 22' 00" S 36° 50' 00" E	
Nairobi, 32 km N (see Ruiru)		1° 09' 00" S 36° 58' 00" E	1564 m
Ruiru, 32 km N Nairobi		1° 09' 00" S 36° 58' 00" E	1564 m
(see also: Nairobi, 32 km N)			
West Lands (see Westlands)		1° 16' 00" S 36° 48' 00" E	1768 m
Westlands		1° 16' 00" S 36° 48' 00" E	1768 m
(see also: West Lands)			
Nairobi county			
Kabete		1° 16' 00" S 36° 43' 00" E	1826 m
Karen, 10 mi W Nairobi		1° 20' 00" S 36° 45' 00" E	
(see also: Nairobi Fort, Nairobi, 10 mi [=16 km] W)			
Karen, near	ca.	1° 20' 00" S 36° 45' 00" E	
Karura Forest		1° 14' 00" S 36° 50' 00" E	1828 m
Langata (see Langata Rongai)		1° 24' 00" S 36° 46' 00" E	1731 m
(see also: Langata)			
Langata cemetery (see Langata Rongai)		1° 24' 00" S 36° 46' 00" E	1731 m
Langata forest (see Langata Rongai)		1° 24' 00" S 36° 46' 00" E	1731 m
Langata Rongai		1° 24' 00" S 36° 46' 00" E	1731 m
(see also: Langata forest)			
Langata Rongai		1° 24' 00" S 36° 46' 00" E	1731 m
(see also: Langata, Langata cemetery)			
Nairobi district			
Kalamou			
Mathaiga (Golf course), 3 mi [=4.8 km] N Nairobi	ca.	1° 15' 00" S 36° 50' 00" E	1694 m
(see also: Nairobi, 3 mi [=4.8 km] N)			
Nairobi		1° 17' 00" S 36° 49' 00" E	1728 m
(see also: Nairobi Station)			
Nairobi area	ca.	1° 17' 00" S 36° 49' 00" E	
Nairobi Station (see Nairobi)		1° 17' 00" S 36° 49' 00" E	
Nairobi, 10 mi [=16 km] below, on river	ca.	1° 17' 00" S 36° 49' 00" E	1707 m
Nairobi, 3 mi [=4.8 km] N (see Mathaiga (Golf course))	ca.	1° 15' 00" S 36° 50' 00" E	1694 m
Nairobi, 6 mi [=9.6 km] N	ca.	1° 17' 00" S 36° 49' 00" E	
Nairobi, University		1° 17' 00" S 36° 49' 00" E	
Nairobi Fort (see Karen)		1° 20' 00" S 36° 45' 00" E	
Nairobi, 10 mi [=16 km] W (see Karen)		1° 20' 00" S 36° 45' 00" E	
Ruaraka, Safari Park Hotel; NE of Nairobi		1° 14' 00" S 36° 53' 00" E	5300 ft
(see also: Ruivi)			
Ruivi (see Ruaraka), Nairobi, N	ca.	1° 14' 00" S 36° 53' 00" E	5300 ft
Nairobi river	ca.		
Nakuru county			
Bahati Policepost (see Bahati Settlement), near Nakuru		0° 09' 00" S 36° 07' 00" E	7500 ft
Bahati Settlement, near Nakuru		0° 09' 00" S 36° 07' 00" E	7500 ft
(see also: Bahati Policepost)			
Bogoria, 30 mi [=48 km] SW (see Molo)		0° 15' 00" S 35° 44' 00" E	
Elmenteita, 3 km N, 14 km E (see Gilgil)		0° 29' 23" S 36° 18' 43" E	1962 m

Enaiposha (see Naivasha, lake)		0° 46' 00" S 36° 21' 00" E	6000 ft
Gilgil, 3 km N, 14 km E Elmenteita		0° 29' 23" S 36° 18' 43" E	1962 m
(see also: Elmenteita, 3 km N, 14 km E)			
Diatomite mine, 3 km N, 14 km E Elmenteita		0° 25' 49" S 36° 10' 25" E	
Jaika cave		0° 33' 49" S 36° 15' 15" E	
Pipeline cave		0° 32' 21" S 36° 17' 40" E	
Hannington, 30 mi [=48 km] SW (see Molo)		0° 15' 00" S 35° 44' 00" E	
Kammya Moto (see Kampi ya Moto (railroad station))		0° 08' 00" S 35° 56' 00" E	
Kampi ya Moto (railroad station)		0° 08' 00" S 35° 56' 00" E	1980 m
(see also: Kammya Moto)			
Kariandusi mines, near Gilgil and Lake Elmentaita		0° 27' 05" S 36° 16' 55" E	
Lake Bogoria, 30 mi [=48 km] SW (see Molo)		0° 15' 00" S 35° 44' 00" E	
Lake Hannington, 30 mi [=48 km] SW (see Molo)		0° 15' 00" S 35° 44' 00" E	
Lake Naivasha (see Naivasha, lake)		0° 46' 00" S 36° 21' 00" E	6000 ft
Lake Naivasha, cave near (see Naivasha, cave near lake)	ca.	0° 46' 00" S 36° 21' 00" E	
Lake Naivasha, E shore (see Naivasha, E shore lake)	ca.	0° 46' 00" S 36° 21' 00" E	1829 m
Lake Naivasha, near (see Naivasha, near lake)	ca.	0° 46' 00" S 36° 21' 00" E	1890 m
Lake Naivasha, S end (see Naivasha, S end lake)	ca.	0° 46' 00" S 36° 21' 00" E	
Lake Nakuru		0° 21' 25" S 36° 06' 35" E	1829 m
(see also: Nakuru, lake)			
Baharini Farm			
Lake Naruku National Park		0° 20' 22" S 36° 05' 59" E	1757 m
(see also: Nakuru Lake Forest, Nakuru Lake Forest Reserve, Naruku, lake, National Park)			
Makalia Falls		0° 29' 29" S 36° 04' 54" E	1842 m
Lion Hill (see Lion Hill cave)		0° 21' 00" S 36° 08' 00" E	
Lion Hill cave, 7 km S, 5 km E Nakuru		0° 21' 00" S 36° 08' 00" E	
(see also: Lion Hill, Nakuru, 7 km S, 5 km E)			
Menegai Caldera (see Menengai Crater)		0° 12' 00" S 36° 04' 00" E	
Menengai, Kampi ya Moto		0° 12' 00" S 35° 58' 00" E	
(see also: Menengai)			
Menengai Crater		0° 12' 00" S 36° 04' 00" E	
(see also: Menegai Caldera, Menengai Crater, cave at S rim, Menengai Crater, Mengengai cave, Menengai Crater, wall, Mount Menengai, Mount Menengai Crater)			
Mau Mau cave		0° 13' 01" S 37° 08' 14" E	
Menengai Crater, cave at S rim (see Menengai Crater)	ca.	0° 12' 00" S 36° 04' 00" E	
Menengai Crater, Mengengai cave (see Menengai Crater)	ca.	0° 12' 00" S 36° 04' 00" E	
Menengai Crater, wall (see Menengai Crater)	ca.	0° 12' 00" S 36° 04' 00" E	
Mole (see Molo)		0° 15' 00" S 35° 44' 00" E	
Molo, 30 mi [=48 km] SW lake Hannington		0° 15' 00" S 35° 44' 00" E	
(see also: Bogoria, 30 mi [=48 km] SW, Hannington, 30 mi [=48 km] SW, Lake Bogoria, 30 mi [=48 km] SW, Lake Hannington, 30 mi [=48 km] SW, Mole)			
Mount Menengai (see Menengai Crater)		0° 12' 00" S 36° 04' 00" E	
Mount Menengai Crater (see Menengai Crater)		0° 12' 00" S 36° 04' 00" E	
Naivasha		0° 43' 00" S 36° 26' 00" E	2085 m
(see also: Naivasha Station)			
Naivasha district			
Hells Gate Canyon (see Ololbutot)		0° 55' 00" S 36° 19' 00" E	
Ololbutot		0° 55' 00" S 36° 19' 00" E	
(see also: Hells Gate Canyon)			
Naivasha Station (see Naivasha)		0° 43' 00" S 36° 26' 00" E	2085 m
Naivasha, 1 km S, 25 km W (see Ndabibi cave)		0° 44' 00" S 36° 13' 00" E	
Naivasha, 10 mi [=16 km] W	ca.	0° 42' 46" S 36° 17' 13" E	
Naivasha, 2 mi [=3.2 km] SE (see Naivasha, Lake Hotel)		0° 44' 00" S 36° 26' 00" E	
Naivasha, 7 mi [=11 km] SE	ca.	0° 47' 33" S 36° 28' 36" E	
Naivasha, cave near lake	ca.	0° 46' 00" S 36° 21' 00" E	
(see also: Lake Naivasha, cave near)			
Naivasha, E shore lake	ca.	0° 46' 00" S 36° 21' 00" E	1829 m
(see also: Lake Naivasha, E shore)			
Naivasha, lake		0° 46' 00" S 36° 21' 00" E	6000 ft
(see also: Enaiposha, Lake Naivasha)			
Naivasha, Lake Hotel		0° 44' 00" S 36° 26' 00" E	
(see also: Naivasha, 2 mi [=3.2 km] SE)			
Naivasha, near lake	ca.	0° 46' 00" S 36° 21' 00" E	1890 m
(see also: Lake Naivasha, near)			
Naivasha, S end lake	ca.	0° 46' 00" S 36° 21' 00" E	
(see also: Lake Naivasha, S end)			
Nakuru district			6000 ft

Mau Forest, 20 mi [=32 km] W Nakuru (see also: Nakuru, 20 mi [=32 km] W, Njoro river (2))		0° 36' 45" S 35° 44' 24" E	2286 m
Mogotio, 3 mi [=4.8 km] N		0° 03' 00" N 35° 58' 01" E	1524 m
Molo, 4 mi [=6.4 km] E		0° 13' 59" S 35° 45' 00" E	2347 m
Molo, near		0° 15' 00" S 35° 48' 20" E	
Nakuru		0° 17' 00" S 36° 04' 00" E	1952 m
Nakuru Prison cave, 4 km N, 2 km W Nakuru (see also: Nakuru, 4 km N, 2 km W)	ca.	0° 17' 00" S 36° 04' 00" E	
Nakuru, 12 km S, 4 km E		0° 24' 00" S 36° 07' 00" E	
Nakuru, 2 mi [=3.2 km] S		0° 18' 00" S 36° 01' 00" E	1920 m
Nakuru, 2 mi [=3.2 km] W		0° 17' 00" S 36° 02' 16" E	1844 m
Nakuru, 20 mi [=32 km] W (see Mau Forest)		0° 36' 45" S 35° 44' 24" E	
Nakuru, 4 km N, 2 km W (see Nakuru Prison cave)	ca.	0° 17' 00" S 36° 04' 00" E	
Nakuru, 4 mi [=6.4 km] E		0° 17' 00" S 36° 07' 28" E	
Nakuru, 5 km WSW		0° 16' 00" S 36° 04' 00" E	
Nakuru, 6 km E		0° 17' 00" S 36° 07' 28" E	
Nakuru, near		0° 17' 00" S 36° 04' 00" E	1981 m
Rongai, 5 km S	ca.	0° 11' 00" S 35° 52' 00" E	
Rongai, 5 mi [=8 km] SW, Molo river	ca.	0° 11' 00" S 35° 52' 00" E	
Subukia, near Mount Merengai		0° 10' 00" S 36° 11' 00" E	2134 m
Nakuru Lake Forest (see Lake Naruku National Park)		0° 20' 22" S 36° 05' 59" E	
Nakuru Lake Forest Reserve (see Lake Naruku National Park)		0° 20' 22" S 36° 05' 59" E	
Nakuru, 7 km S, 5 km E (see Lion Hill cave)		0° 21' 00" S 36° 08' 00" E	
Nakuru, lake (see Lake Nakuru)		0° 21' 25" S 36° 06' 35" E	1829 m
Naruku, lake, National Park (see Lake Naruku National Park)		0° 20' 22" S 36° 05' 59" E	1757 m
Ndabibi cave, 1 km S, 25 km W Naivasha (see also: Naivasha, 1 km S, 25 km W)		0° 44' 00" S 36° 13' 00" E	
Ngobi forest, Nairobi (Nakuru road)	ca.	0° 45' 00" S 36° 30' 00" E	
Njerowa Gorge, near lake Naivasha		0° 54' 00" S 36° 19' 00" E	
Nandi county			
Undefined locality (Nandi county)	ca.	0° 10' 00" N 35° 00' 00" E	
Narok county			
Cherangani Hills (see also: Cherangani Mountains)		1° 15' 00" S 35° 27' 00" E	
Kaibibich		1° 12' 12" N 35° 17' 05" E	2250 m
Kailpos Hill		1° 12' 00" N 35° 08' 00" E	2134 m
Kapenguria, Tarla's Dam (see also: Tarla's Dam)		1° 14' 00" N 35° 07' 00" E	
Kipsain river		1° 07' 00" N 35° 06' 00" E	1951 m
Tangasha River (see Tangasia River)		1° 14' 00" N 35° 23' 00" E	2286 m
Tangasia River (see also: Tangasha River)		1° 14' 00" N 35° 23' 00" E	2286 m
Tarla's Dam (see Kapenguria)		1° 14' 00" N 35° 07' 00" E	
Wei Wei River, NE Base	ca.	1° 35' 00" N 35° 31' 00" E	
Cherangani Mountains (see Cherangani Hills)		1° 15' 00" S 35° 27' 00" E	
NE base along the Wei Wei River, Cherangani Mountains			
Narok district		1° 15' 00" S 35° 45' 00" E	
Jagartek and Talek rivers junction, 8 km above		1° 22' 00" S 35° 15' 00" E	
Lemek hill		1° 06' 00" S 35° 23' 00" E	2076 m
Mara Game Reserve (see Masai Mara Game Reserve)		1° 25' 00" N 34° 55' 00" E	
Mara river, 15 mi [=24 km] up, 15 mi up from Tanganyika border	ca.	0° 16' 00" S 37° 45' 00" E	
Mard river	ca.	1° 15' 00" S 35° 45' 00" E	1372 m
Masai Mara Game Reserve (see also: Mara Game Reserve, Masai Mara National Park, Massai Mara Reserve, Narok-Masai Game Reserve)		1° 25' 00" N 34° 55' 00" E	
Governor's Camp, Eastern Bank of the Mara River		1° 24' 37" S 34° 59' 19" E	
Talek Gate		1° 26' 00" S 35° 04' 00" E	
Talek Gate, 4.3 km NW		1° 23' 00" S 34° 53' 00" E	
Talek Gate, near	ca.	1° 26' 00" S 35° 04' 00" E	
Masai Mara National Park (see Masai Mara Game Reserve)		1° 25' 00" N 34° 55' 00" E	
Massai Mara Reserve (see Masai Mara Game Reserve)		1° 25' 00" N 34° 55' 00" E	
Narok-Masai Game Reserve (see Masai Mara Game Reserve)		1° 25' 00" N 34° 55' 00" E	
Talek River, 5 mi [=8 km] above Jagartek River junction	ca.	1° 24' 51" S 35° 05' 49" E	
Sand River (campting on), border Mara-Masai National Reserve	ca.	1° 33' 23" S 35° 01' 47" E	

NFD, Isiolo			
Norogoro			
North-Eastern (former) province			
El Sadi (see Wajir)		1° 44' 50" N 40° 03' 26" E	
Galma Galla [waterholes]		1° 12' 00" S 40° 47' 00" E	270 ft
Galma Galla, 1 mi [=1.6 km] W	ca.	1° 12' 00" S 40° 47' 00" E	ca. 270 ft
Galma Galla, 1.5 mi [=2.4 km] W	ca.	1° 12' 00" S 40° 47' 00" E	ca. 270 ft
Garissa, 100 mi [=160 km] S (see Ijara)		1° 36' 12" S 40° 31' 31" E	52 m
Ijara, 100 mi south Garissa		1° 36' 12" S 40° 31' 31" E	52 m
(see also: Garissa, 100 mi [=160 km] S)			
Ijara, 2.5 mi [=4 km] SW	ca.	1° 36' 12" S 40° 31' 31" E	225 ft
Ijara, 4.5 mi [=7.2 km] SW	ca.	1° 36' 12" S 40° 31' 31" E	
Koran Badas		1° 21' 00" S 40° 29' 00" E	
Ramu		3° 55' 15" N 41° 13' 09" E	365 m
Nyamira county			
Nyandarua county			
Naivasha, 24 km E		0° 44' 00" S 36° 39' 00" E	
Nyanza (former) province	ca.	0° 30' 00" S 34° 30' 00" E	1524 m
Chemelil		0° 06' 00" S 35° 07' 00" E	
(see also: Chemilil)			
Chemilil (see Chemelil)		0° 06' 00" S 35° 07' 00" E	
Kavirondo Bay (see Winam Gulf)		0° 15' 00" S 34° 35' 00" E	
Kavirondo Gulf (see Winam Gulf)		0° 15' 00" S 34° 35' 00" E	
Kavirongo Gulf, S coast	ca.	0° 15' 00" S 34° 35' 00" E	
Kisii		0° 41' 00" S 34° 46' 00" E	1814 m
Kisumo (see Kisumu)		0° 06' 00" S 34° 45' 00" E	1131 m
Kisumu		0° 06' 00" S 34° 45' 00" E	1131 m
(see also: Kisumo, Lady Whitehouse, Port Florence, Winam)			
Koru, 10 km ENE		0° 10' 00" S 35° 17' 00" E	
Koru, 3 mi N		0° 11' 00" S 35° 16' 00" E	
Lady Whitehouse (see Kisumu)		0° 06' 00" S 34° 45' 00" E	1131 m
Lake Victoria			
Rocky Island, Uhaya Bay			
Port Florence (see Kisumu)		0° 06' 00" S 34° 45' 00" E	1131 m
Ukwala		0° 11' 36" N 34° 11' 22" E	1219 m
West Nyanza district	ca.	0° 30' 00" S 34° 30' 00" E	1524 m
Winam (see Kisumu)		0° 06' 00" S 34° 45' 00" E	1131 m
Winam Gulf		0° 15' 00" S 34° 35' 00" E	
(see also: Kavirondo Bay, Kavirondo Gulf)			
Nyeri county			
Nanyuki river	ca.	0° 06' 00" S 37° 13' 00" E	
Nyeri, near Mount Kenya		0° 25' 00" S 36° 57' 00" E	1768 m
(see also: Nyiri)			
Nyiri (see Nyeri)		0° 25' 00" S 36° 57' 00" E	1768 m
Othaya		0° 34' 00" S 34° 57' 00" E	1825 m
Port Dawnford			
Rift Valley (former) province			
Aitong [veterinary facility]		1° 11' 00" S 35° 15' 00" E	
Akiriamet			
Masol Location		1° 39' 00" N 35° 42' 00" E	762 m
Akuryo waterhole, near, 16 km SW Loperot	ca.	2° 12' 43" N 35° 45' 53" E	
(see also: Loperot, 16 km SW)			
Alamer (see Amaler)		1° 38' 06" N 35° 46' 41" E	
Amaler		1° 38' 06" N 35° 46' 41" E	762 m
(see also: Alamer)			
Amboseli		2° 40' 00" S 37° 17' 00" E	1152 m
Amboseli Game Reserve	ca.	2° 30' 00" S 37° 00' 00" E	
(see also: Amboseli National Reserve , Masai Amboseli Game Reserve)			
Ol Tukai lodge (see Oltukai lodge)		2° 40' 01" S 37° 17' 00" E	
Oltukai lodge		2° 40' 01" S 37° 17' 00" E	
(see also: Ol Tukai lodge)			
Amboseli National Reserve (see Amboseli Game Reserve)	ca.	2° 30' 00" S 37° 00' 00" E	
Amboseli, lake			
(see also: Lake Amboseli)			
Namanga	ca.	2° 33' 00" S 36° 48' 00" E	1359 m
Namanga, near, near Lake Amboseli	ca.	2° 33' 00" S 36° 48' 00" E	
Nambale, 10 mi [=16 km] N		0° 35' 34" N 34° 15' 07" E	
Baringo, 30 mi [=48 km] NW	ca.	0° 30' 00" N 35° 50' 00" E	
Bogoria, 3 mi [=4.8 km] W Lake		0° 16' 01" N 36° 04' 01" E	1067 m
Bowker Farm, 5 mi [=8 km] E Kitale	ca.	1° 01' 00" N 35° 01' 00" E	
(see also: Kitale, 5 mi [=8 km] E)			
Central Elgon, 21 mi [=34 km] from Kitale		1° 05' 00" N 34° 45' 00" E	1981 m
(see also: Kitale, 21 mi [=34 km] from)			

Central Elgon East		1° 05' 00" N 34° 40' 00" E	1890 m
Elmenteita, lake		0° 26' 25" S 36° 14' 34" E	1829 m
(see also: En Munteita, Lake Elmenteita, Ol Muteita)			
Elmenteita, near		0° 29' 00" S 36° 09' 00" E	1981 m
En Doinyo Ngiro (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
En Doinyo Nyiro (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
En Munteita (see Elmenteita, lake)		0° 26' 25" S 36° 14' 34" E	1829 m
Endoposei river, Base of Ngur[u]man escarpment, near Kamela		1° 45' 00" S 36° 02' 00" E	
Engare Narok River	ca.	1° 12' 48" S 35° 52' 50" E	
(see also: Ngare Narok River)			
Gilgil river		0° 43' 00" S 36° 21' 00" E	
(see also: Khirgil river, Kilgil river)			
Gilgil, near	ca.	0° 30' 00" S 36° 19' 00" E	
Granite Hills, Mombaso Road (see Eldoinyo Lengamlo), 96 mi from Nairobi		2° 10' 00" S 37° 33' 00" E	
Guas Ngishu (see Ongata Onkishu)		2° 35' 00" S 37° 05' 00" E	
Kalosia		1° 38' 47" N 35° 47' 30" E	ca. 762 m
(see also: Kalossia, Kolossia)			
Kalossia (see Kalosia)		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Kapeddo, 40 km N Lake Baringo		1° 10' 00" N 36° 06' 00" E	793 m
(see also: Karpeddo, Karpedo, Lake Baringo, 40 km N)			
Kapolet River, Cherangani, 7		1° 08' 00" N 35° 09' 00" E	1981 m
Kapsaina (dam)		0° 56' 50" N 35° 16' 00" E	610 m
Kapsowar		0° 59' 00" N 35° 34' 00" E	2019 m
(see also: Kapsowat, Marakwet)			
Kapsowat (see Kapsowar)		0° 59' 00" N 35° 34' 00" E	2019 m
Kaptagat, 30 mi [=48 km] E Eldoret		0° 22' 04" N 35° 28' 16" E	
Kaputir		2° 05' 00" N 35° 29' 00" E	750 m
Karasak district			
Kacheliba, 16 mi [=25.7 km] NNE (see Nakuchett)		1° 46' 00" N 35° 07' 00" E	1311 m
Nakuchett, 16 mi NNE Kacheliba		1° 46' 00" N 35° 07' 00" E	1311 m
(see also: Kacheliba, 16 mi [=25.7 km] NNE)			
Karpeddo (see Kapeddo), 40 km N Lake Baringo		1° 10' 00" N 36° 06' 00" E	793 m
Karpedo (see Kapeddo), 40 km N Lake Baringo		1° 10' 00" N 36° 06' 00" E	793 m
Kericho		0° 22' 00" S 35° 17' 00" E	2093 m
Kerio river		2° 59' 00" N 36° 07' 00" E	
Kerio Suk river		0° 45' 00" N 35° 35' 00" E	
Kerio Valley, Morok River		0° 45' 00" N 35° 35' 00" E	
Khirgil river (see Gilgil river)		0° 43' 00" S 36° 21' 00" E	
Kilanguni		2° 54' 00" S 38° 03' 00" E	
Kilgil river (see Gilgil river)		0° 43' 00" S 36° 21' 00" E	
Kisiaunet, West-Pokot		1° 17' 00" N 35° 05' 00" E	
Kit Rawlins Farm, 4 mi E Nakuru	ca.	0° 17' 00" S 36° 04' 00" E	
(see also: Nakuru, 4 mi E)			
Kitale, 20 mi [=32 km] S	ca.	1° 01' 00" N 35° 01' 00" E	1951 m
Kitale, 21 mi [=34 km] from (see Central Elgon)		1° 05' 00" N 34° 45' 00" E	1981 m
Kitale, 23 km W	ca.	1° 01' 00" N 35° 01' 00" E	1890 m
Kitale, 29 km W	ca.	1° 07' 00" N 34° 35' 00" E	
Kitale, 5 mi [=8 km] E (see Bowker Farm)	ca.	1° 01' 00" N 35° 01' 00" E	
Kitale, 7 mi [=11.3 km] E	ca.	1° 02' 00" N 35° 00' 00" E	
Kolossia (see Kalosia)		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Koru, 3 mi [=5 km] N (see Legetet Hill)		0° 10' 00" S 35° 17' 00" E	
Laikipia plateau			
Laikipia ranch, 40 mi NW Rumuruti		0° 16' 00" N 36° 32' 00" E	1829 m
(see also: Rumurati, 64 km NW, Rumuruti, 40 mi [=64 km] NW)			
Rumurati, 64 km NW (see Laikipia ranch)		0° 16' 00" N 36° 32' 00" E	1829 m
Rumuruti, 40 mi [=64 km] N	ca.	0° 16' 00" N 36° 32' 00" E	1372 m
Rumuruti, 40 mi [=64 km] NW (see Laikipia ranch)		0° 16' 00" N 36° 32' 00" E	1829 m
Rumuruti, 45 km N	ca.	0° 16' 00" N 36° 32' 00" E	
Lake Amboseli (see Amboseli, lake)			
Lake Baringo Escarpment	ca.	0° 38' 00" N 36° 05' 00" E	
Lake Baringo, 40 km N (see Kapeddo)		1° 10' 00" N 36° 06' 00" E	793 m
Lake Elmenteita (see Elmenteita, lake)		0° 26' 25" S 36° 14' 34" E	1829 m
Lake Magadi (see Magadi, lake)		1° 52' 00" S 36° 17' 00" E	
Lake Magadi, 3 mi [=4.8 km] E (see Magadi, 3 mi [=4.8 km] E Lake)	ca.	1° 52' 00" S 36° 17' 00" E	
Lake Magadi, cave near (see Magadi, cave near Lake)	ca.	1° 52' 00" S 36° 17' 00" E	
Lake Magadi, near (see Magadi, near Lake)	ca.	1° 52' 00" S 36° 17' 00" E	
Lakiundu river, near junction with Northern Guaso Nyiro river			
Legatet Hill (see Legetet Hill), 3 mi [=5 km] N Koru		0° 10' 00" S 35° 17' 00" E	

Legatet Hill cave (see Legetet Hill), 3 mi [=5 km] N Koru		0° 10' 00" S 35° 17' 00" E	
Legetet Hill, 5 km N Koru (see also: Koru, 3 mi [=5 km] N, Legatet Hill, Legatet Hill cave)		0° 10' 00" S 35° 17' 00" E	
Lodwar		3° 07' 00" N 35° 36' 00" E	477 m
Lodwar, 96 km W (see Loiya)		2° 59' 19" N 35° 01' 52" E	
Loiya, 96 km W Lodwar (see also: Lodwar, 96 km W)		2° 59' 19" N 35° 01' 52" E	
Lolokwi, mount (see Oldoinyo Sabachi)		0° 49' 41" N 37° 31' 56" E	
Londiani		0° 10' 00" S 35° 36' 00" E	2440 m
Londiani, mount (see also: Mount Londiani, Mount Ololdiani, Ololdiani, mount)		0° 06' 00" S 35° 43' 00" E	
Loperot, 16 km SW (see Akuryo waterhole, near)	ca.	2° 12' 43" N 35° 45' 53" E	
Lukemia Hill, near Nairobi			
Lumbwa (see also: Lumowa)		0° 12' 00" S 35° 28' 00" E	2058 m
Lumowa (see Lumbwa)		0° 12' 00" S 35° 28' 00" E	2058 m
Magadi		1° 54' 00" S 36° 17' 00" E	595 m
Magadi, 3 mi [=4.8 km] E Lake (see also: Lake Magadi, 3 mi [=4.8 km] E)	ca.	1° 52' 00" S 36° 17' 00" E	
Magadi, cave near Lake (see also: Lake Magadi, cave near)	ca.	1° 52' 00" S 36° 17' 00" E	
Magadi, lake (see also: Lake Magadi)		1° 52' 00" S 36° 17' 00" E	
Magadi, near	ca.	1° 54' 00" S 36° 17' 00" E	2000 ft
Magadi, near Lake (see also: Lake Magadi, near)	ca.	1° 52' 00" S 36° 17' 00" E	
Mara River, South West Kenya			1219 m
Marakwet (see Kapsowar)		0° 59' 00" N 35° 34' 00" E	2019 m
Maran river (see Marun river)		1° 37' 08" N 35° 32' 35" E	2286 m
Marsabit, mount, 30 mi [=48 km] S (see Merelle Water)		1° 23' 00" N 37° 44' 00" E	
Marun river (see also: Maran river, Morun river, Orano river, Panyaret river)		1° 37' 08" N 35° 32' 35" E	2286 m
Masai Amboseli Game Reserve (see Amboseli Game Reserve)	ca.	2° 30' 00" S 37° 00' 00" E	
Masailand	ca.	1° 45' 00" S 36° 00' 00" E	
Mathews Range			
Gargues, mount [summit] (see also: Mount Gargues)		0° 57' 00" N 37° 24' 00" E	2164 m
Mount Gargues (see Gargues, mount [summit])		0° 57' 00" N 37° 24' 00" E	2164 m
Merelle Water, 30 miles S Mount Marsabit (see also: Marsabit, mount, 30 mi [=48 km] S , Mount Marsabit, 30 mi [=48 km] S)		1° 23' 00" N 37° 44' 00" E	
Mitunbur (see Mtembur)		1° 21' 00" N 35° 03' 00" E	1219 m
Molo river		0° 32' 00" N 36° 05' 00" E	1067 m
Morok river		0° 20' 28" N 35° 37' 56" E	1372 m
Morr, 10 km E (see Mount Nyiru)		1° 44' 00" N 36° 09' 00" E	
Morun river (see Marun river)		1° 37' 08" N 35° 32' 35" E	2286 m
Mount Lolokwi (see Oldoinyo Sabachi)		0° 49' 41" N 37° 31' 56" E	
Mount Marsabit, 30 mi [=48 km] S (see Merelle Water)		1° 23' 00" N 37° 44' 00" E	
Mount Nacelot, near (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river		1° 49' 00" N 35° 18' 00" E	
Mount Nasolot, near (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river		1° 49' 00" N 35° 18' 00" E	
Mount Nyiro (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
Mount Nyiru (see Ngiro), 10 km E Morr (see also: Morr, 10 km E)		1° 44' 00" N 36° 09' 00" E	
Mount Ololdiani (see Londiani, mount)		0° 06' 00" S 35° 43' 00" E	
Mpala Research Center		0° 19' 53" N 36° 52' 21" E	
Mtembur (see also: Mitunbur)		1° 21' 00" N 35° 03' 00" E	1670 m
Nacelot, near mount (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river		1° 49' 00" N 35° 18' 00" E	
Nairobi, 96 mi [=154 km] from		2° 10' 00" S 37° 33' 00" E	
Nairobo, 155 km SE (see Simba)		2° 10' 00" S 37° 36' 00" E	
Nakuru, 22.5 km N (see Solai valley)		0° 03' 00" N 36° 09' 00" E	1950 m
Nakuru, 3 km S, 3 km W (see Njoro river)		0° 19' 00" S 36° 03' 00" E	
Nakuru, 4 mi E (see Kit Rawlins Farm)	ca.	0° 17' 00" S 36° 04' 00" E	
Nara Moro (see Naro Moru)		0° 10' 00" S 37° 01' 00" E	1890 m
Naro Moru (see also: Nara Moro)		0° 10' 00" S 37° 01' 00" E	1890 m
Narok, 35 mi [=56 km] WNW (see Olkenyie)		1° 13' 00" S 35° 28' 00" E	

Nasolot, near mount, 6 mi [=10 km] S Turkwell river (see also: Mount Nacelot, near, Mount Nasolot, near, Nacelot, near mount, Turkwell river, 6 mi [=10 km] S)		1° 49' 00" N 35° 18' 00" E	
Ngare Narok River (see Engare Narok River)	ca.	1° 12' 48" S 35° 52' 50" E	
Ngare Nyuki, lower			
Ngato Ngishu (see Ongata Onkishu)		2° 35' 00" S 37° 05' 00" E	
Ngiro, 10 km E Morr (see also: En Doinyo Ngiro, En Doinyo Nyiro, Mount Nyiro, Mount Nyiru, Ngiro, En Doinyo, Nyiro, En Doinyo, Nyiru, mount, Udongerio)		1° 44' 00" N 36° 09' 00" E	
Ngiro, En Doinyo (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
Ngore Ngore		1° 02' 00" S 35° 30' 00" E	1982 m
Nguruman Escarpment, Uaso River Bridge, 1.6 km N		1° 45' 00" S 36° 02' 00" E	610 m
Njoro, Nakuru		0° 19' 00" N 36° 06' 00" E	2286 m
Njoro river, 3 km S, 3 km W Nakuru (see also: Nakuru, 3 km S, 3 km W)		0° 19' 00" S 36° 03' 00" E	
Njoro river (2) (see Mau Forest), 20 mi [=32 km] W Nakuru	ca.	0° 36' 45" S 35° 44' 24" E	2286 m
Njoro, 3 mi [=4.8 km] W		0° 20' 00" S 35° 54' 00" E	2225 m
North Cherangani		1° 00' 00" N 35° 14' 00" E	1981 m
Nyiro, En Doinyo (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
Nyiru, mount (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
Ol Muteita (see Elmenteita, lake)		0° 26' 25" S 36° 14' 34" E	1829 m
Oldoinyo Nyukie, cave		1° 09' 00" S 36° 21' 00" E	
Oldoinyo Sabachi (see also: Lolokwi, mount, Mount Lolokwi)		0° 49' 41" N 37° 31' 56" E	
Olebortoto River (see Oleibortoto river) (see also: River Olebortoto)		1° 50' 00" S 36° 00' 00" E	
Oleibortoto river (see also: Olebortoto River)		1° 50' 00" S 36° 00' 00" E	
Olkenyie, 35 mi [=56 km] WNW Narok (see also: Narok, 35 mi [=56 km] WNW)		1° 13' 00" S 35° 28' 00" E	
Ololdiani, mount (see Londiani, mount)		0° 06' 00" S 35° 43' 00" E	
Ololkisalie National Park (see Olorgasailie), near Magadi		1° 34' 00" S 36° 27' 00" E	
Ololkisalie National Park (see Olorgasailie)		1° 34' 00" S 36° 27' 00" E	1050 m
Ololkisalie Royal National Park (see Olorgasailie), near Magadi		1° 34' 00" S 36° 27' 00" E	
Ololkisalie Royal National Park (see Olorgasailie)		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgasailie, near Magadi (see also: Ololkisalie National Park , Ololkisalie Royal National Park , Olorgasailie National Monument, Olorgesailie Pre-historic Site, Olorgesaille Royal National Park)		1° 34' 00" S 36° 27' 00" E	
Olorgasailie (see also: Ololkisalie National Park, Ololkisalie Royal National Park, Olorgasailie National Monument, Olorgesailie Pre-historic Site, Olorgesaille Royal National Park)		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgasailie National Monument (see Olorgasailie), near Magadi		1° 34' 00" S 36° 27' 00" E	
Olorgasailie National Monument (see Olorgasailie)		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgesailie Pre-historic Site (see Olorgasailie), near Magadi		1° 34' 00" S 36° 27' 00" E	
Olorgesailie Pre-historic Site (see Olorgasailie)		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgesaille Royal National Park (see Olorgasailie), near Magadi		1° 34' 00" S 36° 27' 00" E	
Olorgesaille Royal National Park (see Olorgasailie)		1° 34' 00" S 36° 27' 00" E	1050 m
Ongata Onkishu (see also: Guas Ngishu, Ngato Ngishu)		2° 35' 00" S 37° 05' 00" E	
Orano river (see Marun river)		1° 37' 08" N 35° 32' 35" E	2286 m
Ortum		1° 26' 00" N 35° 21' 00" E	
Panyaret river (see Marun river)		1° 37' 08" N 35° 32' 35" E	2286 m
Poi, 2 mi [=3.2 km] N		0° 45' 03" N 35° 49' 55" E	1524 m
Rift Valley			
Rongai		0° 10' 00" S 35° 51' 00" E	1911 m
Rumuriti		0° 16' 00" N 36° 32' 00" E	1821 m
Sabatia		0° 02' 00" S 35° 45' 00" E	
Saiwa river		1° 06' 00" N 35° 07' 00" E	610 m
Samokitok, Masol area	ca.	1° 39' 34" N 35° 40' 34" E	750 m
Sarmach (see Sarmai)		1° 46' 00" N 35° 28' 00" E	
Simba river, on Mombasa Road, 96 mi [=155 km] from Nairobi		2° 30' 00" S 37° 53' 00" E	1200 m
Solai valley, 22.5 km N Nakuru (see also: Nakuru, 22.5 km N)		0° 03' 00" N 36° 09' 00" E	1950 m

Songhor, near Kisumu		0° 03' 00" S 35° 14' 00" E	
Sotik	ca.	0° 41' 29" S 35° 06' 39" E	
South Elgon		1° 07' 00" N 34° 35' 00" E	2012 m
South Turkana			
Kangatet	ca.	2° 15' 05" N 36° 10' 04" E	
Lokiri		3° 00' 00" N 35° 30' 00" E	
Trans-Nzoia district		0° 50' 00" N 35° 00' 00" E	ca. 1828 m
Chep Tulel (see Cheptulel)		1° 01' 00" N 35° 01' 01" E	
Cheptulel		1° 01' 00" N 35° 01' 01" E	
(see also: Chep Tulel)			
Grotte de Shimo Kapseta (see Shimo Kapseta cave)	ca.	1° 05' 00" N 34° 45' 00" E	2300 m
Kapseta (see Shimo Kapseta cave)	ca.	1° 05' 00" N 34° 45' 00" E	2300 m
Kimilili, E face Mount Elgon		0° 47' 00" N 34° 43' 00" E	2073 m
(see also: Kimmilli)			
Kimilili, near	ca.	0° 47' 00" N 34° 43' 00" E	
Kimmilli (see Kimilili), E face Mount Elgon		0° 47' 00" N 34° 43' 00" E	2073 m
Kitale area		1° 01' 00" N 35° 01' 00" E	
Kitale Township, W of	ca.	1° 01' 00" N 35° 01' 00" E	
Kitale, 10 mi [=16 km] NE	ca.	1° 01' 00" N 35° 01' 00" E	1920 m
Kitale, 12 mi [=19 km] W	ca.	1° 02' 00" N 34° 50' 00" E	1890 m
Kitale, 14 mi [=22.5 km] W		1° 01' 00" N 34° 49' 00" E	1890 m
Kitale, 16 km NE		1° 01' 00" N 35° 01' 00" E	1920 m
Kitale, 22 km W		1° 01' 00" N 34° 49' 00" E	
Kitale, 22.5 km W		1° 01' 00" N 34° 49' 00" E	1890 m
Kitale, 24 km E		1° 01' 00" N 35° 14' 00" E	1920 m
Kitale, 24 km from		1° 08' 00" N 34° 52' 00" E	
Kitale, 29 km SW		1° 01' 00" N 35° 01' 00" E	
Kitale, 48 km from		1° 03' 00" N 34° 35' 00" E	
Kitale, 50 km from		1° 03' 00" N 34° 35' 00" E	1950 m
Kobolet river, near Cherangani		1° 00' 00" N 35° 14' 00" E	
Shimo Kapseta cave	ca.	1° 05' 00" N 34° 45' 00" E	2300 m
(see also: Grotte de Shimo Kapseta, Kapseta)			
Tura		0° 32' 00" N 37° 02' 00" E	1793 m
(see also: Turah)			
Turah (see Tura)		0° 32' 00" N 37° 02' 00" E	1793 m
Turkana county (see Turkana district)	ca.	3° 12' 00" N 35° 28' 00" E	
Lake Rudolph, W side (see Turkana, W side lake)		3° 30' 00" N 36° 00' 00" E	
Lake Turkana, W side (see Turkana, W side lake)		3° 30' 00" N 36° 00' 00" E	
Rudolph, W side lake (see Turkana, W side lake)		3° 30' 00" N 36° 00' 00" E	
Turkana, W side lake		3° 30' 00" N 36° 00' 00" E	
(see also: Lake Rudolph, W side, Lake Turkana, W side, Rudolph, W side lake)			
Turkana district	ca.	3° 12' 00" N 35° 28' 00" E	
(see also: Turkana county)			
Lokori		1° 57' 06" N 36° 02' 09" E	582 m
Turkwell			
Turkwell district			
Turkwell Gorge		1° 55' 00" N 35° 20' 00" E	930 m
Turkwell river		1° 55' 00" N 35° 20' 00" E	762 m
Turkwell river, 6 mi [=10 km] S (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river		1° 49' 00" N 35° 18' 00" E	
Udongerio (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
River Olebortoto (see Olebortoto River)			
Rudolf Hayk' (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Rudolf, lake (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Samburu county			
Kiligi		1° 00' 00" N 38° 00' 00" E	
Samburu district		1° 15' 00" N 37° 00' 00" E	
Ng'enyi		2° 10' 00" N 36° 48' 00" E	
Suyani, 10 km N, West Kenya		1° 25' 00" N 36° 37' 00" E	
Shimu Na Kito			
Siaya county			
Bondo, Central Nyanza		0° 06' 00" S 34° 16' 00" E	1276 m
Bondo, 4 mi [=6.4 km] W		0° 04' 49" S 34° 13' 10" E	
Yala River (1)		0° 04' 00" N 34° 09' 00" E	
Yala river (2)		0° 06' 00" N 34° 32' 00" E	
South Nguasso Nyiro river			
Southern slopes Mt …			
Taita Taveta county			
Murka mine, near Maktau		3° 22' 00" S 37° 56' 00" E	610 m
Tsavo East National Park			
Aruba Lodge		3° 21' 00" S 38° 49' 00" E	
Lion Hill, 2 mi [=3.6 km] from Voi, Tsavo East National Park		3° 22' 32" S 38° 33' 59" E	
Mudanda Rock Crevices		3° 10' 00" S 38° 31' 00" E	
Sala		3° 06' 00" S 39° 11' 00" E	

Voi		3° 23' 00" S 38° 34' 00" E	
Tsavo National Park West (see also: Tsavo West National Park)		2° 55' 00" S 37° 55' 00" E	
Kilaguni Lodge (see also: Shetani cave)		2° 54' 21" S 38° 03' 34" E	
Mzima Springs		2° 59' 17" S 38° 01' 26" E	
Shetani cave (see Kilaguni Lodge), NW of Kilaguni lodge	ca.	2° 53' 58" S 38° 03' 18" E	
Tsavo West National Park (see Tsavo National Park West)		2° 55' 00" S 37° 55' 00" E	
Tana River county			
Tharaka Nithi county			
Trans Nzoia county			
Hoey's Bridge, near, 18 mi [=29 km] SW Kitale, Cherangani Hills	ca.	0° 52' 34" N 35° 07' 13" E	200 m
Kitale, foothills Mount Elgon		1° 01' 00" N 35° 00' 00" E	1896 m
Kitale, 25 mi [=40 km] NW	ca.	1° 01' 00" N 35° 01' 00" E	2042 m
Turkana county			
Turkana, lake (see also: Aman, Anam, Bas, Baso, Basso, Basso Narok, Basso Norok, Fuchich, Galanaboi, Galanaboy, Gallop, Gullop, Lake Rudolf, Lake Turkana, Rodolfo, lago, Rudolf Hayk', Rudolf, lake, yeRudolf Bahir)		3° 30' 00" N 36° 00' 00" E	
El Molo island, 6 km from Loiyangalani (see also: Loiyangalani, 6 km from)	ca.	2° 51' 00" N 36° 42' 00" E	
Loiyangalani, 6 km from (see El Molo island)	ca.	2° 51' 00" N 36° 42' 00" E	
Turkana, lake		3° 30' 00" N 36° 00' 00" E	
Central island		3° 30' 00" N 36° 02' 00" E	381 m
Uasin Gishu county			
Kipkabus		0° 18' 00" N 35° 30' 00" E	2543 m
Uasin Gishu district		0° 30' 00" N 35° 20' 00" E	6000 ft
Upper Kenya (mission)			
Vihiga county			
Wajir county			
Wajir (see also: El Sadi)		1° 44' 50" N 40° 03' 26" E	
West Pokot county			
Kanyangaren (see Kanyangareng)		1° 47' 00" N 35° 08' 00" E	
Kanyangareng, Kara-Suk (see also: Kanyangaren)		1° 47' 00" N 35° 08' 00" E	
Kapenguria, 70 (?) mi [=113 (?) km] NE (see Sirmai)	ca.	1° 28' 00" N 35° 28' 00" E	
Kapsania		1° 29' 00" N 35° 28' 00" E	
Sigor, 1 mi [=1.6 km] SE	ca.	1° 29' 00" N 35° 29' 00" E	
Sigor, 2 mi [=3.2 km] S, Weie-Wei river	ca.	1° 28' 00" N 35° 28' 00" E	1006 m
Sirmai, near Sigor; 70 (?) mi [=113 km (?)] NE Kapenguria (see also: Kapenguria, 70 (?) mi [=113 (?) km] NE)	ca.	1° 28' 00" N 35° 28' 00" E	
Wei Wei River, Sigor, NE Cherangani Hills	ca.	1° 30' 00" N 35° 30' 00" E	
West Pokot district			
Kaiboni River		1° 26' 00" N 35° 04' 00" E	1372 m
Kapenguria, 10 mi [=16 km] NNW (see Kongelai Escarpment)		1° 28' 00" N 35° 01' 00" E	1350 m
Kongelai, on Kaiboni River or on Suam River		1° 28' 00" N 35° 01' 00" E	1350 m
Kongelai, 12 mi [=19 km] W	ca.	1° 28' 00" N 35° 01' 00" E	1890 m
Kongelai, 3 mi [=4.8 km] S	ca.	1° 28' 00" N 35° 01' 00" E	1372 m
Korau, Turkwell/Suam rivers		3° 06' 00" N 36° 06' 00" E	
Markwijit (see Morkwijit)		1° 12' 00" N 35° 05' 00" E	1996 m
Morkwijit (see also: Markwijit, Nakwajit)		1° 12' 00" N 35° 05' 00" E	1996 m
Nakwajit (see Morkwijit)		1° 12' 00" N 35° 05' 00" E	1996 m
Sarmai (see also: Sarmach)		1° 46' 00" N 35° 28' 00" E	610 m
Sigoor Camp (see Sigor)		1° 29' 00" N 35° 28' 00" E	750 m
Sigor (see also: Sigoor Camp)		1° 29' 00" N 35° 28' 00" E	750 m
Sigor, 1.5 km S, 1.5 km E (see Weiwei River Bridge)		1° 29' 00" N 35° 29' 00" E	1030 m
Suam river, Kongelai Escarpment (see also: Swan river, Swom river)		1° 48' 00" N 35° 09' 00" E	
Swan river (see Suam river), Kongelai Escarpment		1° 48' 00" N 35° 09' 00" E	1372 m
Swom river (see Suam river), Kongelai Escarpment		1° 48' 00" N 35° 09' 00" E	1372 m
Tambala Falls (see Kongelai Escarpment)		1° 28' 00" N 35° 01' 00" E	1676 m
Tamkal Camp		1° 23' 00" N 35° 28' 00" E	
Weiwei River Bridge, 1.5 km S, 1.5 km E Sigor (see also: Sigor, 1.5 km S, 1.5 km E)		1° 29' 00" N 35° 29' 00" E	1030 m

West Pokot Escarpment		1° 28' 00" N 35° 01' 00" E	1219 m
Western (former) province			
Ahero, cave near, 10 mi [=16 km] N Kisii (see also: Kisii, 10 mi [=16 km] N)		0° 32' 16" S 34° 46' 00" E	
Amakura, 10 mi [=16 km] N Nambale (see also: Amukara, Amukura, Amukura Mission, Nambale,10 mi [=16 km] N, Saint Paul's Amukura Secondary School)		0° 34' 14" N 34° 16' 19" E	1220 m
Amukara (see Amakura), 10 mi [=16 km] N Nambale		0° 34' 14" N 34° 16' 19" E	1220 m
Amukura (see Amakura), 10 mi [=16 km] N Nambale		0° 34' 14" N 34° 16' 19" E	1220 m
Amukura Mission (see Amakura), 10 mi [=16 km] N Nambale		0° 34' 14" N 34° 16' 19" E	1220 m
Kabras Forest, 97 km SW Kitale		0° 26' 00" N 34° 48' 00" E	
Kisii, 10 mi [=16 km] N (see Ahero, cave near)		0° 32' 16" S 34° 46' 00" E	
Kitale, 97 km SW		0° 26' 00" N 34° 48' 00" E	
Nambale,10 mi [=16 km] N (see Amakura)		0° 34' 14" N 34° 16' 19" E	1220 m
North Nandi Forest		0° 20' 00" N 34° 58' 00" E	ca. 2018 m
Saint Paul's Amukura Secondary School (see Amakura), 10 mi [=16 km] N Nambale		0° 34' 14" N 34° 16' 19" E	1220 m
Tororo	ca.	0° 37' 00" N 34° 12' 00" E	
Tororo, 30 mi [=48 km] E		0° 40' 00" N 34° 30' 00" E	1524 m
Kesine			
Kester, Kosterfontein			
Kha Principe			
Kirimba			
Kiwako			
Kimpoko			
Kubondo			
Kubub			
Kwa Kitoto and Mengo			
Lac Tchad (see Chad, lake)	ca.	13° 20' 00" N 14° 10' 00" E	
Lake Chad (see Chad, lake)	ca.	13° 20' 00" N 14° 10' 00" E	
Lake Nygassa			
Ukuguru			
Lake Tchad (see Chad, lake)	ca.	13° 20' 00" N 14° 10' 00" E	
Lealné district			
Lesotho			
Berea district			
Basutoland, Berea district?			
Teyateyaneng		29° 09' 00" S 27° 44' 00" E	1595 m
Butha-Buthe district			
Liqhobong		28° 57' 59" S 28° 35' 16" E	2250 m
Oxbow, ski lodge		28° 52' 30" S 28° 37' 30" E	
Leribe district			
Pelaneng, Lepaqoa		29° 07' 30" S 28° 22' 30" E	
Pelaneng River, along		29° 03' 00" S 28° 28' 00" E	2200 m
Mafeteng district			
Botsoela (mission) (see Kwepe)		29° 51' 00" S 27° 34' 00" E	1847 m
Hermon		29° 44' 00" S 27° 07' 00" E	1450 m
Kwepe (see Kwepe) (see also: Botsoela (mission), Kwepe)		29° 51' 00" S 27° 34' 00" E	1847 m
Malealea		29° 51' 00" S 27° 34' 00" E	1847 m
Maseru district			
Marakabei (see Marakabeis)		29° 32' 00" S 28° 09' 00" E	2040 m
Marakabeis (see also: Marakabei, Saint John Baptist)		29° 32' 00" S 28° 09' 00" E	2040 m
Saint John Baptist (see Marakabeis)		29° 32' 00" S 28° 09' 00" E	2040 m
Semonkong (mission), Phallang		29° 49' 00" S 28° 06' 00" E	
Mohale's Hoek district			
Mokhotlong district			
Abia (see Mateanong)		29° 21' 00" S 29° 13' 00" E	
Mateanong (see also: Abia)		29° 21' 00" S 29° 13' 00" E	
Mateanong, 15 km E (see Nkokomele, near), Nkokomele, near	ca.	29° 21' 00" S 29° 13' 00" E	
Nkokomele, near (see also: Mateanong, 15 km E)	ca.	29° 21' 00" S 29° 13' 00" E	
Qacha's Nek district (see also: Quacha's Neck district |PC:QN|, Quacha's Nek district |PC:QN|)			
QuachPC:QN|)			
QuachPC:QN|)			
Seapa (see White Hill)		30° 03' 00" S 28° 29' 00" E	1641 m
Sehlabathebe National Park, small dam		29° 52' 00" S 29° 05' 00" E	2795 m
White Hill (see also: Seapa)		30° 03' 00" S 28° 29' 00" E	1641 m

Quthing district			
Fort Hartley, 10 mi [=16 km] NE (see Quthing, 10 mi [=16 km] NE)		30° 20' 00" S 27° 45' 00" E	
Masiribani (see Mount Moorosi (city))		30° 16' 00" S 27° 52' 00" E	1651 m
Mooroi (see Mount Moorosi (city))		30° 16' 00" S 27° 52' 00" E	1651 m
Mount Moorosi (city) (see also: Masiribani, Mooroi, Mount Moroosi (city), Mount Morosi (city))		30° 16' 00" S 27° 52' 00" E	1651 m
Mount Moroosi (city) (see Mount Moorosi (city))		30° 16' 00" S 27° 52' 00" E	1651 m
Mount Morosi (city) (see Mount Moorosi (city))		30° 16' 00" S 27° 52' 00" E	1651 m
Moyeni, 10 mi [=16 km] NE (see Quthing, 10 mi [=16 km] NE)		30° 20' 00" S 27° 45' 00" E	
Quthing, 10 mi [=16 km] NE (see also: Fort Hartley, 10 mi [=16 km] NE, Moyeni, 10 mi [=16 km] NE)		30° 20' 00" S 27° 45' 00" E	
Seribe			
Thaba-Tseka district			
Ha Natla		29° 37' 30" S 28° 07' 30" E	
Mahlanapeng		29° 37' 30" S 28° 37' 30" E	
Sehonghong, Moqotoane		29° 48' 00" S 28° 49' 00" E	1714 m
Liberia			
Basse-Iti			
Bomi county			
Bomi Hills logging concession (see Bomi Wood Concession)	ca.	6° 53' 00" N 10° 50' 00" W	
Bomi Wood Concession (see also: Bomi Hills logging concession, Boni Hills logging concession)	ca.	6° 53' 00" N 10° 50' 00" W	
Boni Hills logging concession (see Bomi Wood Concession)	ca.	6° 53' 00" N 10° 50' 00" W	
Suehn		6° 37' 02" N 10° 42' 24" W	101 m
Bong county			
Cuttington University College, near Gbarnga		7° 02' 24" N 9° 33' 15" W	
Cuttington University College, about 12 km NW (see Kpatwee Falls)		7° 06' 27" N 9° 38' 30" W	
Degeh (see Degei)		7° 05' 51" N 10° 09' 48" W	203 m
Degei (see also: Degeh, Degie, Digain, Digei)		7° 05' 51" N 10° 09' 48" W	203 m
Degie (see Degei)		7° 05' 51" N 10° 09' 48" W	203 m
Digain (see Degei)		7° 05' 51" N 10° 09' 48" W	203 m
Digei (see Degei)		7° 05' 51" N 10° 09' 48" W	203 m
Fahpli (see Favee)		7° 13' 50" N 9° 17' 04" W	360 m
Fape (see Favee)		7° 13' 50" N 9° 17' 04" W	360 m
Fapé (see Favee)		7° 13' 50" N 9° 17' 04" W	360 m
Fapi (see Favee)		7° 13' 50" N 9° 17' 04" W	360 m
Favee (see also: Fahpli, Fape, Fapé, Fapi)		7° 13' 50" N 9° 17' 04" W	360 m
Hainda (see Haindi)		6° 53' 28" N 10° 23' 12" W	135 m
Haindi (see also: Hainda, Hende, Hendi)		6° 53' 28" N 10° 23' 12" W	135 m
Hende (see Haindi)		6° 53' 28" N 10° 23' 12" W	135 m
Hendi (see Haindi)		6° 53' 28" N 10° 23' 12" W	135 m
Kpatwee Falls, about 12 km NW Cuttington Univeristy College (see also: Cuttington University College, about 12 km NW)		7° 06' 27" N 9° 38' 30" W	
Paiata (see Piata)		7° 12' 00" N 9° 48' 00" W	221 m
Peahtah (see Piata)		7° 12' 00" N 9° 48' 00" W	221 m
Piata (see also: Paiata, Peahtah, Piatah)		7° 12' 00" N 9° 48' 00" W	221 m
Piatah (see Piata)		7° 12' 00" N 9° 48' 00" W	221 m
Repota (see Wreputa)		6° 46' 00" N 10° 03' 00" W	144 m
Reppo Town (see Wreputa)		6° 46' 00" N 10° 03' 00" W	144 m
Reppo's Town (see Wreputa)		6° 46' 00" N 10° 03' 00" W	144 m
Reputa (see Wreputa)		6° 46' 00" N 10° 03' 00" W	144 m
Wreputa (see also: Repota, Reppo Town, Reppo's Town, Reputa)		6° 46' 00" N 10° 03' 00" W	144 m
Cess River, W			
Gbarpolu county			
Grand Bassa county			
Borlor river (see Farmington river)		6° 09' 32" N 10° 21' 13" W	
Buchanan (see Upper Buchanan)		5° 54' 40" N 10° 03' 45" W	65 m
Diale river (see Farmington river)		6° 09' 32" N 10° 21' 13" W	
Diang river (see Farmington river)		6° 09' 32" N 10° 21' 13" W	

Farmington river (see also: Borlor river, Diale river, Diang river, Nea river)		6° 09' 32" N 10° 21' 13" W	
Firestone (see also: Firestown, Jida)		5° 56' 00" N 9° 38' 00" W	170 m
Firestown (see Firestone)		5° 56' 00" N 9° 38' 00" W	170 m
Gran Bassa (see Upper Buchanan)		5° 54' 40" N 10° 03' 45" W	65 m
Grand Bassa (see Upper Buchanan)		5° 54' 40" N 10° 03' 45" W	65 m
Jida (see Firestone)		5° 56' 00" N 9° 38' 00" W	170 m
Nea river (see Farmington river)		6° 09' 32" N 10° 21' 13" W	
Upper Buchanan (see also: Buchanan, Gran Bassa, Grand Bassa)		5° 54' 40" N 10° 03' 45" W	65 m
Grand Cape Mount county			
Bendu		6° 45' 47" N 11° 12' 48" W	134 m
Buluma			
Gwene Town		6° 44' 00" N 11° 03' 00" W	
Mano river (see also: Mono)		7° 30' 00" N 10° 57' 00" W	
Mono (see Mano river)		7° 30' 00" N 10° 57' 00" W	
Port Robert (see Robertsport)		6° 45' 19" N 11° 22' 07" W	158 m
Robert Port (see Robertsport)		6° 45' 19" N 11° 22' 07" W	158 m
Robertson (see Robertsport)		6° 45' 19" N 11° 22' 07" W	158 m
Robertsport (see also: Port Robert, Robert Port, Robertson, Robertstown)		6° 45' 19" N 11° 22' 07" W	158 m
Robertstown (see Robertsport)		6° 45' 19" N 11° 22' 07" W	158 m
Grand Gedeh county			
C.L.C. (see Cape Palmas Logging Company)		5° 11' 00" N 7° 58' 00" W	
Cape Palmas Logging Company (see also: C.L.C.)		5° 11' 00" N 7° 58' 00" W	
Duo Town		5° 42' 00" N 8° 06' 00" W	
Jaoudi		6° 06' 47" N 8° 36' 00" W	308 m
Jaoudi, ca 12 mi [=19 km] SSE (see Jarwondee, ca 12 mi [=19 km] SSE), Dugbe river	ca.	5° 57' 39" N 8° 30' 50" W	
Jarwondee		6° 06' 47" N 8° 36' 00" W	308 m
Jarwondee, ca 12 mi [=19 km] SSE, Dugbe river (see also: Jaoudi, ca 12 mi [=19 km] SSE)	ca.	5° 57' 39" N 8° 30' 50" W	
Jawodi		6° 06' 47" N 8° 36' 00" W	308 m
L.T.C. (see Liberian Timber Company)		6° 16' 00" N 8° 40' 00" W	
Liberian Timber Company (see also: L.T.C.)		6° 16' 00" N 8° 40' 00" W	
Sweaken (see also: Yega Town)		5° 23' 04" N 7° 57' 07" W	303 m
Tars Town, 25 km N Zwedru (see also: Zwedru, 25 km N)		6° 13' 00" N 8° 08' 00" W	
Tchien (see Zwedru)		6° 04' 00" N 8° 07' 41" W	274 m
Yega Town (see Sweaken)		5° 23' 04" N 7° 57' 07" W	303 m
Zwadhru (see Zwedru)		6° 04' 00" N 8° 07' 41" W	274 m
Zwedru (see also: Tchien, Zwadhru)		6° 04' 00" N 8° 07' 41" W	274 m
Zwedru, 25 km N (see Tars Town)		6° 13' 00" N 8° 08' 00" W	
Grand Kru county			
Barclay, mount		4° 48' 00" N 8° 10' 00" W	
Bendo (see Nanakru)		4° 49' 50" N 8° 43' 34" W	66 m
Great Nanakru (see Nanakru)		4° 49' 50" N 8° 43' 34" W	66 m
Great Nanna Kru (see Nanakru)		4° 49' 50" N 8° 43' 34" W	66 m
Nanakru (see also: Bendo, Great Nanakru, Great Nanna Kru, Nankano, Nanna Kru)		4° 49' 50" N 8° 43' 34" W	66 m
Nankano (see Nanakru)		4° 49' 50" N 8° 43' 34" W	66 m
Nanna Kru (see Nanakru)		4° 49' 50" N 8° 43' 34" W	66 m
Grand Lapin (?)			
Iti Riviere			
Kassata			
Lofa county			
Ballomah (see Budima)		7° 41' 57" N 9° 39' 03" W	364 m
Baloma (see Budima)		7° 41' 57" N 9° 39' 03" W	364 m
Balomah		7° 41' 57" N 9° 39' 03" W	364 m
Banga (see Gbanka)		7° 16' 40" N 10° 03' 49" W	287 m
Bangah (see Gbanka)		7° 16' 40" N 10° 03' 49" W	287 m
Beliyela (see Belle Yella)		7° 22' 35" N 9° 59' 54" W	261 m
Belle Yela (see Belle Yella)		7° 22' 35" N 9° 59' 54" W	261 m
Belle Yella (see also: Beliyela, Belle Yela, Belleyellah, Belliyela, Belliyella)		7° 22' 35" N 9° 59' 54" W	261 m
Belleyellah (see Belle Yella)		7° 22' 35" N 9° 59' 54" W	261 m

Belliyela (see Belle Yella)		7° 22' 35" N 9° 59' 54" W	261 m
Belliyella (see Belle Yella)		7° 22' 35" N 9° 59' 54" W	261 m
Bopolu		7° 04' 00" N 10° 29' 15" W	211 m
(see also: Bopora, Boporo, Bopulu)			
Bopora (see Bopolu)		7° 04' 00" N 10° 29' 15" W	211 m
Boporo (see Bopolu)		7° 04' 00" N 10° 29' 15" W	211 m
Bopulu (see Bopolu)		7° 04' 00" N 10° 29' 15" W	211 m
Budima		7° 41' 57" N 9° 39' 03" W	364 m
(see also: Ballomah, Baloma, Mbaloma)			
Gbanga (see Gbanka)		7° 16' 40" N 10° 03' 49" W	287 m
Gbangha (see Gbanka)		7° 16' 40" N 10° 03' 49" W	287 m
Gbanka		7° 16' 40" N 10° 03' 49" W	287 m
(see also: Banga, Bangah, Gbanga, Gbangha)			
Gbarnqay		7° 04' 00" N 10° 29' 00" W	
Gomutown		7° 00' 00" N 11° 00' 00" W	
John Hegbe farm, ca. 2 mi SW Voinjama, near Zozoma		8° 25' 00" N 9° 35' 00" W	500 m
(see also: Voinjama, ca. 2 mi [=3.2 km] SW)			
John Town		8° 25' 00" N 9° 45' 00" W	
Kluga		8° 27' 01" N 9° 43' 19" W	568 m
Kluga mountains		8° 25' 00" N 9° 45' 00" W	
Kpandemai Mountains (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Kpawalazu (see Kpawolozu)		7° 36' 56" N 9° 45' 52" W	453 m
Kpawolozu		7° 36' 56" N 9° 45' 52" W	453 m
(see also: Kpawalazu, Kpawuluzu, Movodo, Pawalozo)			
Kpawuluzu (see Kpawolozu)		7° 36' 56" N 9° 45' 52" W	453 m
Mbaloma (see Budima)		7° 41' 57" N 9° 39' 03" W	364 m
Movodo (see Kpawolozu)		7° 36' 56" N 9° 45' 52" W	453 m
Ngilima, Wologizi Mountain Range		8° 05' 12" N 10° 07' 36" W	433 m
Pawalozo (see Kpawolozu)		7° 36' 56" N 9° 45' 52" W	453 m
Voinjama, 2 mi [=3.2 km] SW (see Zozoma)		8° 25' 00" N 9° 47' 00" W	
Voinjama, ca. 2 mi [=3.2 km] SW (see John Hegbe farm), near Zozoma		8° 25' 00" N 9° 35' 00" W	500 m
Walo Mountains (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Waulo Mountains (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologisi Range (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologisi Wutuvi (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologizi mountain range	ca.	8° 06' 36" N 9° 55' 40" W	330 m
(see also: Kpandemai Mountains, Walo Mountains, Waulo Mountains, Wologisi Range, Wologisi Wutuvi, Wologizi Range)			
Wologizi Range (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Zamah (see Zomai)		7° 36' 56" N 9° 37' 53" W	303 m
Ziggida (see Zigida), 25 mi [=40 km] N Zorzor		8° 02' 12" N 9° 29' 23" W	
Ziggida, 1 km N, 3 km E (see Zigida, 1 km N, 3 km E)	ca.	8° 02' 12" N 9° 29' 23" W	
Ziggida, 10.5 km N, 1 km E (see Zigida, 10.5 km N, 1 km E)	ca.	8° 07' 51" N 9° 28' 54" W	450 m
Ziggida, 11 km N, 2 km E (see Zigida, 11 km N, 2 km E), Gabagea River	ca.	8° 08' 08" N 9° 28' 20" W	
Ziggida, 13 km N, 1 km E (see Zigida, 13 km N, 1 km E)	ca.	8° 09' 10" N 9° 28' 52" W	759 m
Ziggida, 7 km N, 2 km E (see Zigida, 7 km N, 2 km E)	ca.	8° 02' 12" N 9° 29' 23" W	
Ziggida, 7 mi [=11 km] N, 1 mi [=1.6 km] E (see Zigida, 7 mi [=11 km] N, 1 mi [=1.6 km] E)	ca.	8° 02' 12" N 9° 29' 23" W	
Zigida, 25 mi [=40 km] N Zorzor		8° 02' 12" N 9° 29' 23" W	
(see also: Ziggida, Zigida Village, Zorzor, 25 mi [=40 km] N)			
Zigida Village (see Zigida), 25 mi [=40 km] N Zorzor		8° 02' 12" N 9° 29' 23" W	
Zigida, 1 km N, 3 km E	ca.	8° 02' 12" N 9° 29' 23" W	
(see also: Ziggida, 1 km N, 3 km E)			
Zigida, 10.5 km N, 1 km E	ca.	8° 07' 51" N 9° 28' 54" W	450 m
(see also: Ziggida, 10.5 km N, 1 km E)			
Zigida, 11 km N, 2 km E, Gabagea River	ca.	8° 08' 08" N 9° 28' 20" W	
(see also: Ziggida, 11 km N, 2 km E)			
Zigida, 13 km N, 1 km E	ca.	8° 09' 10" N 9° 28' 52" W	759 m
(see also: Ziggida, 13 km N, 1 km E)			
Zigida, 7 km N, 2 km E	ca.	8° 02' 12" N 9° 29' 23" W	
(see also: Ziggida, 7 km N, 2 km E)			
Zigida, 7 mi [=11 km] N, 1 mi [=1.6 km] E	ca.	8° 02' 12" N 9° 29' 23" W	
(see also: Ziggida, 7 mi [=11 km] N, 1 mi [=1.6 km] E)			
Zomah (see Zomai)		7° 36' 56" N 9° 37' 53" W	303 m
Zomai		7° 36' 56" N 9° 37' 53" W	303 m
(see also: Zamah, Zomah, Zormai, Zuormai)			
Zormai (see Zomai)		7° 36' 56" N 9° 37' 53" W	303 m

Zorzor		7° 46' 46" N 9° 25' 49" W	516 m
Zorzor, 25 mi [=40 km] N (see Zigida)		8° 02' 12" N 9° 29' 23" W	
Zozoma, 2 mi [=3.2 km] SW Voinjama. (see also: Voinjama, 2 mi [=3.2 km] SW, Zuzoma)		8° 25' 00" N 9° 47' 00" W	
Zuormai (see Zomai)		7° 36' 56" N 9° 37' 53" W	303 m
Zuzoma (see Zozoma), 2 mi [=3.2 km] SW Voinjama.		8° 25' 00" N 9° 47' 00" W	
Margibi county			
Camp Schieffellin (see Schieffelin), on Junk river		6° 13' 17" N 10° 32' 16" W	94 m
Division 24 Camp (see Division Twenty-Four [Labor] Camp)		6° 26' 37" N 10° 21' 58" W	
Division Twenty-Four [Labor] Camp (see also: Division 24 Camp)		6° 26' 37" N 10° 21' 58" W	
Du Side village (see also: Duside plantation)		6° 20' 57" N 10° 27' 48" W	
Duside plantation (see Du Side village)		6° 20' 57" N 10° 27' 48" W	
Firestone Plantation, near Harbel (see also: Firestone Rubber Plantation)		6° 24' 00" N 10° 22' 00" W	
Firestone Rubber Plantation (see Firestone Plantation), near Harbel		6° 24' 00" N 10° 22' 00" W	
Harbel		6° 16' 47" N 10° 20' 51" W	95 m
Hilltown		6° 13' 00" N 10° 20' 00" W	
Langatown (see Lengatown)		6° 18' 00" N 10° 23' 00" W	
Lengatown (see also: Langatown)		6° 18' 00" N 10° 23' 00" W	
Marshall Territory		6° 15' 00" N 10° 30' 00" W	
Roberts International Airport, near Harbel (see also: Robertsfield Airport)		6° 14' 02" N 10° 21' 44" W	
Robertsfield Airport (see Roberts International Airport), Monrovia		6° 14' 02" N 10° 21' 44" W	
Schieffelin, on Junk river (see also: Camp Schieffellin, Schieffelinsville, Schieffellin)		6° 13' 17" N 10° 32' 16" W	94 m
Schieffelinsville (see Schieffelin), on Junk river		6° 13' 17" N 10° 32' 16" W	94 m
Schieffellin (see Schieffelin), on Junk river		6° 13' 17" N 10° 32' 16" W	94 m
Maryland county			
Cape Palmas (see Harper)		4° 22' 30" N 7° 43' 01" W	59 m
Cape Palmas, near	ca.	4° 22' 30" N 7° 43' 01" W	
Harper (see also: Cape Palmas)		4° 22' 30" N 7° 43' 01" W	59 m
Miamu			
Monrovia			
Montserrado county			
Ceasar's Beach (see Monrovia)		6° 18' 38" N 10° 48' 17" W	0 m
Coffee, mount (see Mount Coffee)		6° 29' 19" N 10° 38' 47" W	
Ding River (see Saint Paul River) (see also: Tapeta, Tapi Town, Tappi, Tappita, Tappitown)	ca.	6° 22' 46" N 10° 47' 55" W	
Du river (see also: Due river, Dukwia river, Duquéah river, Lu river)	ca.	6° 14' 34" N 10° 32' 24" W	
Due river (see Du river)	ca.	6° 14' 34" N 10° 32' 24" W	
Dukwia river (see Du river)	ca.	6° 14' 34" N 10° 32' 24" W	
Duquéah river (see Du river)	ca.	6° 14' 34" N 10° 32' 24" W	
Elwa swamp	ca.	6° 14' 00" N 10° 42' 00" W	
Lu river (see Du river)	ca.	6° 14' 34" N 10° 32' 24" W	
Monrovia (see also: Ceasar's Beach)		6° 18' 38" N 10° 48' 17" W	0 m
Mount Coffee (see also: Coffee, mount)		6° 29' 19" N 10° 38' 47" W	
Muhlenberg Mission (see also: Mühlenberg's Mission)	ca.	6° 30' 00" N 10° 39' 00" W	
Mühlenberg's Mission (see Muhlenberg Mission)	ca.	6° 30' 00" N 10° 39' 00" W	
Paynesville (see also: Paynsville)		6° 16' 32" N 10° 43' 04" W	24 m
Paynsville (see Paynesville)		6° 16' 32" N 10° 43' 04" W	24 m
Saint Paul River (see also: Ding River, St. Paul's River)	ca.	6° 22' 46" N 10° 47' 55" W	
St. Paul's River (see Saint Paul River)	ca.	6° 22' 46" N 10° 47' 55" W	
Nimba county			
Bentor		7° 34' 27" N 8° 39' 37" W	
Biabli (see Quiapiple), Kran, west Upper Cess River		6° 36' 12" N 8° 32' 25" W	189 m
Camp III		7° 06' 35" N 8° 50' 20" W	
East Grassfield	ca.	7° 29' 20" N 8° 34' 15" W	
Ganta	ca.	7° 18' 08" N 8° 31' 51" W	
Gbapa (see Gbarpa)		7° 29' 03" N 8° 36' 49" W	475 m

Gbarpa		7° 29' 03" N 8° 36' 49" W	475 m
(see also: Gbapa)			
Grassfield		7° 29' 20" N 8° 34' 15" W	530 m
(see also: Grassfield forest, Grassfield savanna, Grassfields, Lamco Headquarters Camp, Nimba)			
Grassfield forest (see Grassfield)		7° 29' 20" N 8° 34' 15" W	530 m
Grassfield savanna (see Grassfield)		7° 29' 20" N 8° 34' 15" W	530 m
Grassfields (see Grassfield)		7° 29' 20" N 8° 34' 15" W	530 m
Kpeaplay (see Quiapiple), Kran, west Upper Cess River		6° 36' 12" N 8° 32' 25" W	189 m
Kpeaple (see Quiapiple), Kran, west Upper Cess River		6° 36' 12" N 8° 32' 25" W	189 m
Lamco (see New Yekepa)		7° 34' 46" N 8° 32' 16" W	584 m
Lamco Community (see New Yekepa)		7° 34' 46" N 8° 32' 16" W	584 m
Lamco Headquarters Camp (see Grassfield)		7° 29' 20" N 8° 34' 15" W	530 m
Manimba, mount (see Nimba, mount)		7° 33' 47" N 8° 27' 54" W	
Mount Nimba (see Nimba, mount)	ca.	7° 30' 00" N 8° 30' 00" W	
Old Mine Road	ca.	7° 33' 11" N 8° 32' 28" W	
Yiti river		7° 29' 00" N 8° 35' 00" W	
Mount Nimba East (see Maadi, 8 mi [=12.8 km] from)	ca.	7° 30' 00" N 8° 28' 00" W	
Mount Nimba West (see Nimba West)	ca.	7° 29' 00" N 8° 33' 00" W	
Mount Richard Molard, S (see Richard-Molard, S side mount)	ca.	7° 33' 47" N 8° 27' 54" W	
Nanimba , mount (see Nimba, mount)		7° 33' 47" N 8° 27' 54" W	
New Camp Forest		7° 28' 52" N 8° 34' 33" W	483 m
New Yekepa		7° 34' 46" N 8° 32' 16" W	584 m
(see also: Lamco, Lamco Community, Yekepa)			
Nimba (see Grassfield)		7° 29' 20" N 8° 34' 15" W	530 m
Nimba East	ca.	7° 30' 00" N 8° 28' 00" W	
Nimba West	ca.	7° 29' 00" N 8° 33' 00" W	
(see also: Mount Nimba West)			
Nimba, mount	ca.	7° 30' 00" N 8° 30' 00" W	
(see also: Manimba, mount, Mount Nimba, Nanimba , mount)			
North Beeton	ca.	7° 39' 00" N 8° 38' 00" W	
Paul Town		7° 00' 00" N 9° 40' 00" W	
Quiapiple, Kran, west Upper Cess River		6° 36' 12" N 8° 32' 25" W	189 m
(see also: Biabli, Kpeaplay, Kpeaple)			
Richard-Molard, S side mount	ca.	7° 33' 47" N 8° 27' 54" W	
(see also: Mount Richard Molard, S)			
Sanaquelli (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sangbui (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Saniquellie (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanniguellie (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanniquellie		7° 21' 44" N 8° 42' 22" W	671 m
(see also: Sanaquelli, Sangbui, Saniquellie, Sanniguellie, Sanokole, Sanokwele, Sanokwelle, Sanoquelli, Sanquilly, Senbui)			
Sanniquellie, 5 mi [=8 km] S	ca.	7° 24' 00" N 8° 45' 00" W	
Sanokole (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanokwele (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanokwelle (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanoquelli (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanquilly (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Senbui (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
South Nimba	ca.	7° 26' 00" N 8° 34' 00" W	
Tapeta (see Ding River)		6° 29' 32" N 8° 51' 37" W	275 m
Tapi Town (see Ding River)		6° 29' 32" N 8° 51' 37" W	275 m
Tapita		6° 29' 32" N 8° 51' 37" W	275 m
Tappi (see Ding River)		6° 29' 32" N 8° 51' 37" W	275 m
Tappita (see Ding River)		6° 29' 32" N 8° 51' 37" W	275 m
Tappitown (see Ding River)		6° 29' 32" N 8° 51' 37" W	275 m
Tchien, 25 km N (see Zwerdu, 25 km N)	ca.	6° 05' 00" N 8° 07' 00" W	
Tchien, 7 km N (see Zwerdu, 7 km N)	ca.	6° 05' 00" N 8° 07' 00" W	
Teaye (see Tiayie)		7° 03' 00" N 9° 04' 00" W	303 m
Teayee (see Tiayie)		7° 03' 00" N 9° 04' 00" W	303 m
Teayi (see Tiayie)		7° 03' 00" N 9° 04' 00" W	303 m
Tiayi (see Tiayie)		7° 03' 00" N 9° 04' 00" W	303 m
Tiayie		7° 03' 00" N 9° 04' 00" W	303 m
(see also: Teaye, Teayee, Teayi, Tiayi)			
Tokade, mount		7° 27' 01" N 8° 40' 17" W	
(see also: Tokadeh, mount, Tokaden, mount)			
Tokadeh, mount (see Tokade, mount)		7° 27' 01" N 8° 40' 17" W	
Tokaden, mount (see Tokade, mount)		7° 27' 01" N 8° 40' 17" W	
West Nimba			
Yekepa (see New Yekepa)		7° 34' 46" N 8° 32' 16" W	584 m
Yekepa, near	ca.	7° 34' 46" N 8° 32' 16" W	

Zwadhru, 25 km N (see Zwerdu, 25 km N)	ca.	6° 05' 00" N 8° 07' 00" W	
Zwadhru, 7 km N (see Zwerdu, 7 km N)	ca.	6° 05' 00" N 8° 07' 00" W	
Zwerdu, 25 km N	ca.	6° 05' 00" N 8° 07' 00" W	
(see also: Tchien, 25 km N, Zwadhru, 25 km N)			
Zwerdu, 7 km N	ca.	6° 05' 00" N 8° 07' 00" W	
(see also: Tchien, 7 km N, Zwadhru, 7 km N)			
River Gee county			
Rivercess county			
Iti		5° 36' 57" N 9° 19' 25" W	
Sinoe county		5° 02' 00" N 8° 04' 00" W	
Fanti		5° 07' 59" N 8° 57' 50" W	91 m
Greenville		5° 00' 40" N 9° 02' 20" W	0 m
(see also: Sino, Sinoe, Sinu, Sinu Village)			
Jaurazon (see Juazohn)		5° 22' 56" N 8° 50' 44" W	134 m
Jaurzon (see Juazohn)		5° 22' 56" N 8° 50' 44" W	134 m
Juarzon (see Juazohn)		5° 22' 56" N 8° 50' 44" W	134 m
Juazohn		5° 22' 56" N 8° 50' 44" W	134 m
(see also: Jaurazon, Jaurzon, Juarzon)			
Sino (see Greenville)		5° 00' 40" N 9° 02' 20" W	0 m
Sinoe (see Greenville)		5° 00' 40" N 9° 02' 20" W	0 m
Sinu (see Greenville)		5° 00' 40" N 9° 02' 20" W	0 m
Sinu Village (see Greenville)		5° 00' 40" N 9° 02' 20" W	0 m
Wreppoosta			
Libya			
Ajdabiya municipality			
Al Butnan district			
(see also: Butnan district |PC:BN|)			
Al Bardi (see Al Burdi)		31° 45' 00" N 25° 05' 00" E	
Al Burdi		31° 45' 00" N 25° 05' 00" E	
(see also: Al Bardi)			
Al Jaghbub		29° 44' 33" N 24° 31' 04" E	0 m
(see also: El-Giagbúb, Giarabub, Jaghbub)			
Ba?r at Tubat		29° 36' 28" N 24° 52' 46" E	
(see also: Bahr el Tûbat (intermittent lake), Birket Qaseibaîya , El Qaseibaiya)			
Bahr el Tûbat (intermittent lake) (see Ba?r at Tubat)		29° 36' 28" N 24° 52' 46" E	
Birket Qaseibaîya (see Ba?r at Tubat)		29° 36' 28" N 24° 52' 46" E	
El Qaseibaiya (see Ba?r at Tubat)		29° 36' 28" N 24° 52' 46" E	
El-Giagbúb (see Al Jaghbub)		29° 44' 33" N 24° 31' 04" E	0 m
Giarabub (see Al Jaghbub)		29° 44' 33" N 24° 31' 04" E	0 m
Jaghbub (see Al Jaghbub)		29° 44' 33" N 24° 31' 04" E	0 m
Al Hizam Al-Akhdar municipality			
Al JaPC:JK|)			
Al Jabal al Gharbi district			
(see also: Jabal al Gharbi district |PC:JG|)			
Al Jifarah district			
(see also: Jafara district |PC:JR|)			
Al Jufrah district			
(see also: Jufra district |PC:JF|)			
Al Kufrah district			
(see also: Kufra district |PC:KU|)			
Al Marj district			
(see also: Marj district |PC:MA|)			
Al ‘Aquriyah (see Tukrah)		32° 31' 54" N 20° 34' 22" E	22 m
Sidi Mohammad Al Mablehut (see Sidi Mu?ammad al Mabkhut)		32° 27' 58" N 21° 00' 08" E	
Sidi Mu?ammad al Mabkhut		32° 27' 58" N 21° 00' 08" E	
(see also: Sidi Mohammad Al Mablehut)			
Taukra (see Tukrah)		32° 31' 54" N 20° 34' 22" E	22 m
Teuchira (see Tukrah)		32° 31' 54" N 20° 34' 22" E	22 m
Tocra (see Tukrah)		32° 31' 54" N 20° 34' 22" E	22 m
Tokrah (see Tukrah)		32° 31' 54" N 20° 34' 22" E	22 m
Tukrah (see Tukrah)		32° 31' 54" N 20° 34' 22" E	22 m
Tukrah		32° 31' 54" N 20° 34' 22" E	22 m
(see also: Al ‘Aquriyah, Taukra, Teuchira, Tocra, Tokrah, Tukrah)			
Al Marqab district			
(see also: Murqub district |PC:MR|)			
Labdah (see Leptis Magna)		32° 37' 49" N 14° 18' 43" E	
Lébda (see Leptis Magna)		32° 37' 49" N 14° 18' 43" E	
Leptis Magna		32° 37' 49" N 14° 18' 43" E	
(see also: Labdah, Lébda)			
Al Qubbah municipality			
Uàdi el Manscia (see Wadi al Manshiyah)		32° 54' 00" N 22° 03' 00" E	
Wadi al Manshiyah		32° 54' 00" N 22° 03' 00" E	
(see also: Uàdi el Manscia , Wadi al Minshiyah)			

Wadi al Minshiyah (see Wadi al Manshiyah)	32° 54' 00" N 22° 03' 00" E	
Al Wahat district		
Al-Jabal Al-Akhdar district (see also: Al Jabal Al Akhdar district |PC:JK|, Jabal al Akhdar district |PC:JK|)		
Al Bayda, 5 km SW (see Kuf National Park)	32° 18' 00" N 20° 25' 00" E	
Baida, 4 km S	32° 44' 00" N 21° 43' 00" E	
Cuf National Park (see Kuf National Park)	32° 18' 00" N 20° 25' 00" E	
Cyrenaica		
Cuf, Uádi el (see Wadi al Kuf)	32° 42' 00" N 21° 35' 00" E	330 m
Jabal Akhdar Mountains (see Wadi al Kuf), 8 km SW Massah	32° 42' 00" N 21° 35' 00" E	330 m
Kuf, Wadi al (see Wadi al Kuf)	32° 42' 00" N 21° 35' 00" E	330 m
Labraq, 5 km SW	32° 45' 00" N 21° 58' 00" E	
Massah, 8 km SW (see Wadi al Kuf)	32° 42' 00" N 21° 35' 00" E	330 m
Uádi el Cuf (see Wadi al Kuf)	32° 42' 00" N 21° 35' 00" E	330 m
Wadi al Kuf, 8 km SW Massah (see also: Cuf, Uádi el, Jabal Akhdar Mountains, Kuf, Wadi al, Massah, 8 km SW, Uádi el Cuf, Wadi Kuf)	32° 42' 36" N 21° 35' 47" E	330 m
Al Bayda' (see also: Al Bay?a', Al-Baida, Az Zawiyah al Bay?a', Baida, Balagrae, Balis, Bayda, Beda, Beida, El Beida, White Monastery, Zauia el Beda, Zawiat al-Baida, Zawiyat al Bay?a', Zawiyat el-Be?a')	32° 45' 59" N 21° 44' 30" E	623 m
Al Bay?a' (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Al-Baida (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Az Zawiyah al Bay?a' (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Baida (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Balagrae (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Balis (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Bayda (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Beda (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Beida (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
El Beida (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
White Monastery (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Zauia el Beda (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Zawiat al-Baida (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Zawiyat al Bay?a' (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Zawiyat el-Be?a' (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Wadi Kuf (see Wadi al Kuf)		
Gasr Béni Gdem (see Qasr al Maqdam)	32° 38' 00" N 21° 36' 00" E	
Gasr esc-Sciandèn (see Qasr ash Shahdayn)	32° 37' 00" N 21° 35' 00" E	
Haniya, 8 km SSE	32° 46' 00" N 21° 27' 00" E	
Kouf National Park (see Kuf National Park)	32° 18' 00" N 20° 25' 00" E	
Kouf Park lodge, 3 km S (see Kuf National Park lodge, 3 km S)	32° 41' 00" N 21° 34' 00" E	
Kuf National Park, 5 km SW Al Bayda (see also: Al Bayda, 5 km SW, Cuf National Park, Kouf National Park)	32° 18' 00" N 20° 25' 00" E	
Kuf National Park lodge, 3 km S (see also: Kouf Park lodge, 3 km S)	32° 41' 00" N 21° 34' 00" E	
Kufanta, Roman aquaduct	32° 46' 00" N 21° 34' 00" E	
Luigi Razza (see Massah)	32° 45' 07" N 21° 37' 36" E	482 m
Massah (see also: Luigi Razza, Méssa, Razza)	32° 45' 07" N 21° 37' 36" E	482 m
Méssa (see Massah)	32° 45' 07" N 21° 37' 36" E	482 m
Qasr al Maqdam (see also: Gasr Béni Gdem, Qasr Bani Qadam, Qasr Maqdam)	32° 38' 00" N 21° 36' 00" E	
Qasr ash Shahdayn (see also: Gasr esc-Sciandèn)	32° 37' 00" N 21° 35' 00" E	
Qasr Bani Qadam (see Qasr al Maqdam)	32° 38' 00" N 21° 36' 00" E	
Qasr Maqdam (see Qasr al Maqdam)	32° 38' 00" N 21° 36' 00" E	
Quasr Shadane	32° 36' 00" N 21° 34' 00" E	
Razza (see Massah)	32° 45' 07" N 21° 37' 36" E	482 m
An Nugat al Khams district (see also: Nugat al Khams district |PC:NK|)		
Madinat Sabratah (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sábra (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabrah (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabratah (see also: Madinat Sabratah, Sábra, Sabrah, Sabratha)	32° 47' 31" N 12° 29' 05" E	6 m
Sabratha (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m

Az Zawiyah district		
(see also: Zawiya district |PC:ZA|)		
Madinat Sabratah (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sábra (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabrah (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabrah (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabratah	32° 47' 31" N 12° 29' 05" E	6 m
(see also: Madinat Sabratah, Sábra, Sabrah, Sabrah, Sabratha)		
Sabratha (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Bani Walid municipality		
Benghazi district		
Al Abyar (see Al Abyar)	32° 11' 25" N 20° 35' 45" E	274 m
Al Abyar	32° 11' 25" N 20° 35' 45" E	274 m
(see also: Al Abyar, Alabia, El Abiar, Madirat al Abyar)		
Alabia (see Al Abyar)	32° 11' 25" N 20° 35' 45" E	274 m
Banghazi	32° 07' 00" N 20° 04' 00" E	0 m
(see also: Bengasi, Bengazi, Benghasi, Benghazi, Berenice, Binghazi, Hesperides)		
Bengasi (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Bengazi (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Benghasi (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Benghazi (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Berenice (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Binghazi (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Carcura (see Kurkurah)	31° 25' 35" N 20° 01' 40" E	18 m
Drepanun (see Kurkurah)	31° 25' 35" N 20° 01' 40" E	18 m
El Abiar (see Al Abyar)	32° 11' 25" N 20° 35' 45" E	274 m
Hesperides (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Karkurah (see Kurkurah)	31° 25' 35" N 20° 01' 40" E	18 m
Karkurah (see Kurkurah)	31° 25' 35" N 20° 01' 40" E	18 m
Kurkurah	31° 25' 35" N 20° 01' 40" E	18 m
(see also: Carcura, Drepanun, Karkurah, Karkurah)		
Madirat al Abyar (see Al Abyar)	32° 11' 25" N 20° 35' 45" E	274 m
ButnaPC:BN|)		
Darnah district		
(see also: Derna district |PC:DA|)		
Darnah, 6 km S (see Wadi Darnah)	32° 42' 06" N 22° 36' 40" E	
Wadi Darnah, 6 km S of Darnah	32° 42' 06" N 22° 36' 40" E	
(see also: Darnah, 6 km S)		
Wadi Darnah, cave at, 10 km S Darnah	32° 41' 00" N 22° 36' 00" E	
DernaPC:DA|)		
Ghadamis municipality		
Gharyan municipality		
Ghat district		
JabalPC:JK|)		
JabalPC:JG|)		
JafarPC:JR|)		
JufraPC:JF|)		
KufraPC:KU|)		
MarjPC:MA|)		
MisratPC:MS|)		
Misratah district		
(see also: Misrata district |PC: MS|)		
Mizdah municipality		
MurquPC:MR|)		
Murzuq district		
Fazzan (see Fezzan)	16° 00' 00" N 14° 00' 00" E	
Fezzan	16° 00' 00" N 14° 00' 00" E	
(see also: Fazzan, Phazania, Wilayat Fazzan)		
Marzuq	25° 54' 16" N 13° 53' 50" E	501 m
Mourzouk	25° 54' 16" N 13° 53' 50" E	501 m
Murzuch	25° 54' 16" N 13° 53' 50" E	501 m
Murzuq	25° 54' 16" N 13° 53' 50" E	501 m
Murzuk	25° 54' 16" N 13° 53' 50" E	501 m
Phazania (see Fezzan)	16° 00' 00" N 14° 00' 00" E	
Wilayat Fazzan (see Fezzan)	16° 00' 00" N 14° 00' 00" E	
Nalut district		
Nanatalah		
NugatPC:NK|)		
Sabha district		
Sabratha Surman municipality		
SirtePC:ST|)		

Surt district			
(see also: Sirte district |PC:ST|)			
Tajura' Wa An Nawahi Al Arba' municipality			
Tarabulus municipality			
Aea (see Tarabulus)		32° 53' 33" N 13° 10' 48" E	6 m
Ea (see Tarabulus)		32° 53' 33" N 13° 10' 48" E	6 m
Oea (see Tarabulus)		32° 53' 33" N 13° 10' 48" E	6 m
Taràbles (see Tarabulus)		32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus		32° 53' 33" N 13° 10' 48" E	6 m
(see also: Aea, Ea, Oea, Taràbles, Tarabulus al Gharb, Tarabulus el Gharb, Tripoli)			
Tarabulus al Gharb (see Tarabulus)		32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus el Gharb (see Tarabulus)		32° 53' 33" N 13° 10' 48" E	6 m
Tripoli (see Tarabulus)		32° 53' 33" N 13° 10' 48" E	6 m
Tarhuna-Masallatah municipality			
Ar Sharsharah (see Wadi ash Sharsharah)		32° 32' 00" N 13° 34' 00" E	
Wadi ash Sharsharah		32° 32' 00" N 13° 34' 00" E	
(see also: Ar Sharsharah)			
Tripoli district			
WadiPC:WH|)			
Wadi Al Hayat district			
(see also: Wadi al Hayaa district |PC:WH|)			
Al Fjayj (see Al Fujayj)		26° 32' 32" N 13° 18' 39" E	597 m
Al Fujayj		26° 32' 32" N 13° 18' 39" E	597 m
(see also: Al Fjayj, El-Fgeg)			
El-Fgeg (see Al Fujayj)		26° 32' 32" N 13° 18' 39" E	597 m
Gabrun, Lake		26° 48' 11" N 13° 32' 07" E	
(see also: Kabr Aun, lake, Lake Gabrun, Lake Kabr aun)			
Germa (see Jarmah)		26° 31' 46" N 13° 04' 23" E	601 m
Jarmah		26° 31' 46" N 13° 04' 23" E	601 m
(see also: Germa)			
Kabr Aun, lake (see Gabrun, Lake)		26° 48' 11" N 13° 32' 07" E	
Lake Gabrun (see Gabrun, Lake)		26° 48' 11" N 13° 32' 07" E	
Lake Kabr aun (see Gabrun, Lake)		26° 48' 11" N 13° 32' 07" E	
WadiPC:WS|)			
Wadi Ash Shati' district			
(see also: Wadi al Shatii district |PC:WS|)			
Birak		27° 32' 00" N 14° 17' 00" E	343 m
(see also: Brach, Brak)			
Brach (see Birak)		27° 32' 00" N 14° 17' 00" E	343 m
Brak (see Birak)		27° 32' 00" N 14° 17' 00" E	343 m
Wadi Jarjaroma			
Yafran-Jadu municipality			
‘Ayn az Zarqa’		31° 55' 27" N 12° 00' 52" E	
(see also: Ain Az Zarqa, Ain Zérga)			
Ain Az Zarqa (see ‘Ayn az Zarqa’)		31° 55' 27" N 12° 00' 52" E	
Ain Zérga (see ‘Ayn az Zarqa’)		31° 55' 27" N 12° 00' 52" E	
Nana Tala		31° 55' 15" N 11° 53' 07" E	
Nanatala		31° 55' 15" N 11° 53' 07" E	
ZawiyPC:ZA|)			
Lobatsi,Kornge Nature Reserve			
Madagascar			
"probably cate est"			
Ambalavao			
Amballiala			
Ambatolampy			
Ambotelafer			
Ampotaka			
Andavadrano			
Andrafiabe			
Andrafiabe cave (see Grotte d'Andrafiabe)	ca.	12° 55' 54" S 49° 03' 24" E	
Andrafiabe, 3.5 km ESE (see Grotte d'Andrafiabe)	ca.	12° 55' 54" S 49° 03' 24" E	
Andrahaha Cave			
Andrandoka			
Andranomandray			
Grotte d'Andalambeze			
Andranomandroy			
Andranomathy cave			
(see also: Grotte d'Andranomathy)			
Anibohimasina			
Anjiro			
Ankazoata, W of			
Ankiliabo			
Antananarivo province			

Ambohibeloma, 3.2 km W Anjozorobe (see also: Anjozorobe, 3.2 km W)		18° 24' 32" S 47° 51' 06" E	
Ambohitantely		18° 10' 00" S 47° 17' 00" E	1519 m
Ambohitantely Special Reserve (see Réserve Spéciale d'Ambohitantely)		18° 10' 00" S 47° 17' 00" E	
Angavokely, granite caves (see also: Grottes de granite d'Angavokely)		18° 55' 00" S 47° 44' 00" E	ca. 1770 m
Anjozorobe, 13 km SE	ca.	18° 29' 45" S 47° 56' 43" E	
Anjozorobe, 3.2 km W (see Ambohibeloma)		18° 24' 32" S 47° 51' 06" E	
Ankazobe		18° 18' 50" S 47° 06' 50" E	
Antananarivo (see also: Antananarivu, Tana, Tananarive)		18° 55' 00" S 47° 31' 00" E	1288 m
Amboasary (1), Anjozorobe		18° 24' 18" S 47° 56' 42" E	
Antananarivo, 30 km E (see Nandihizana)		18° 54' 00" S 47° 43' 00" E	915 m
Antananarivu (see Antananarivo)		18° 55' 00" S 47° 31' 00" E	1288 m
Antsahabe forest, Anjozorobe		18° 24' 36" S 47° 56' 24" E	
Antsampandrano forestry station (see Station Forestière d'Antsampandrano), 26 km SE Faratsiho		19° 36' 43" S 47° 03' 46" E	1850 m
Calata cave	ca.	18° 18' 52" S 47° 06' 53" E	
Carion (see Nandihizana), 30 km E Tananarive		18° 54' 00" S 47° 43' 00" E	915 m
Faratsiho, 26 km SE (see Station Forestière d'Antsampandrano)		19° 36' 43" S 47° 03' 46" E	1850 m
Faravohitra			
Grottes de granite d'Angavokely (see Angavokely, granite caves)		18° 55' 00" S 47° 44' 00" E	ca. 1770 m
Lac Tsimbazaza (see Tsimbazaza, lake)		18° 55' 00" S 47° 31' 00" E	
Manjakatompo (see Manjakatompo-Firaisana)		19° 20' 00" S 47° 26' 00" E	1552 m
Manjakatompo-Firaisana (see also: Manjakatompo, Mongakatompo, Monjakatompo)		19° 20' 00" S 47° 26' 00" E	1552 m
Mongakatompo (see Manjakatompo-Firaisana)		19° 20' 00" S 47° 26' 00" E	1552 m
Monjakatompo (see Manjakatompo-Firaisana)		19° 20' 00" S 47° 26' 00" E	1552 m
Nandihizana, 30 km E Tananarive (see also: Antananarivo, 30 km E, Carion, Tananarive, 30 km E)		18° 54' 00" S 47° 43' 00" E	915 m
Réserve Spéciale d'Ambohitantely (see also: Ambohitantely Special Reserve)		18° 10' 00" S 47° 17' 00" E	
Bat cave (see Grotte des Chauves-souris)		18° 10' 52" S 47° 17' 21" E	1500 m
Grotte des Chauves-souris (see also: Bat cave)		18° 10' 52" S 47° 17' 21" E	1500 m
Siribihina river		19° 00' 00" S 46° 00' 00" E	100 m
Southern Tanatarive			
Station Forestière d'Antsampandrano, 26 km SE Faratsiho (see also: Antsampandrano forestry station, Faratsiho, 26 km SE)		19° 36' 43" S 47° 03' 46" E	1850 m
Tana (see Antananarivo)		18° 55' 00" S 47° 31' 00" E	1288 m
Tananarive (see Antananarivo)		18° 55' 00" S 47° 31' 00" E	1288 m
Tananarive, 30 km E (see Nandihizana)		18° 54' 00" S 47° 43' 00" E	915 m
Tananarive, near	ca.	18° 55' 00" S 47° 31' 00" E	
Tananarivo		18° 55' 00" S 47° 31' 00" E	1300 m
Tsimbazaza, lake (see also: Lac Tsimbazaza)		18° 55' 00" S 47° 31' 00" E	
Tsinjoarivo, 10 km SE		19° 40' 42" S 47° 46' 12" E	1550 m
Antanimbary			
Antsiran			
Antsiranana province			
Ambanja		13° 41' 00" S 48° 27' 00" E	148 m
Ambanja, 6 km SE	ca.	13° 41' 00" S 48° 27' 00" E	
Ambery, 5.5 km SE (see Andavadrano)		12° 50' 38" S 49° 20' 54" E	330 m
Ambohitra (see also: Joffreville)		12° 29' 00" S 49° 12' 00" E	743 m
Ambohitra, 5.5 km SW (see Parc National de la Montagne d'Ambre)		12° 31' 00" S 49° 10' 00" E	1000 m
Ambohitra, 6 km S (see also: Ambre, mount, Joffreville, 6 km S, Montagne d'Ambre (Parc National), Mount Ambre)		12° 37' 00" S 49° 09' 00" E	1000 m
Ambohitra, 6 mi [=9.6 km] S (see Ambohitra, 6 mi [=9.6 km] S) (see also: Ambohitra, 6 mi [=9.6 km] S, Joffreville, 6 mi [=9.6 km] S)	ca.	12° 37' 00" S 49° 09' 00" E	
Ambondromifehy, 10.5 km NE (see Matsaborimadio, at edge of), Andavaka Matsaborimadio		12° 48' 38" S 49° 15' 15" E	290 m

Ambre mountain National Park (see Parc National de la Montagne d'Ambre), 5.5 km SW Joffreville [=Ambohitra]	12° 31' 00" S 49° 10' 00" E	1000 m
Ambre, mount (see Ambohitra, 6 km S), 6 km S Joffreville	12° 37' 00" S 49° 09' 00" E	1000 m
Analabe forest (see Analabe, forêt de)		
Analabe, forêt de, near Lac Sahaka (see also: Analabe forest, Andrafiabe cave, forest near, Andrafiabe, 2.6 km E, Forêt d'Analabe, Grotte d'Andrafiabe, forêt près de)		
Analamerana Special Reserve (see also: Forêt d'Analamerana, Réserve Spéciale d'Analamerana)	12° 44' 00" S 49° 32' 00" E	
Bazaribe, cave, 3.6 km SE Menagisy (see also: Grotte de Bazaribe, Menagisy, 3.6 km SE)	12° 42' 44" S 49° 28' 25" E	90 m
Grotte de Bazaribe (see Bazaribe, cave), 3.6 km SE Menagisy	12° 42' 44" S 49° 28' 25" E	90 m
Menagisy, 3.6 km SE (see Bazaribe, cave)	12° 42' 44" S 49° 28' 25" E	90 m
Andakaty, cave, 2.9 km N Betsiaka, Foret d'Andavakoera (see also: Betsiaka, 2.9 km N , Grotte d'Andakaty)	13° 07' 47" S 49° 14' 02" E	210 m
Andavadrano, 5.5 km SE Ambery (see also: Ambery, 5.5 km SE)	12° 50' 38" S 49° 20' 54" E	330 m
Andavakoera	13° 05' 49" S 49° 15' 16" E	165 m
Andrafiabe cave, forest near (see Analabe, forêt de), 2.6 km E Andrafiabe		50 m
Andrafiabe, 2.6 km E (see Analabe, forêt de)		50 m
Andranto (see Anorotsangana)	13° 55' 00" S 47° 55' 00" E	0 m
Andranto (see Anorotsangana)	13° 54' 55" S 47° 55' 19" E	0 m
Anjanaharibe sud Reserve	14° 42' 32" S 49° 27' 47" E	
Ankarana (see also: Ankarana caves, Ankarana Forest, Sosumau, Sosumav, Sosumaville)	13° 05' 00" S 48° 55' 00" E	94 m
Ankarana caves (see Ankarana)	13° 05' 00" S 48° 55' 00" E	94 m
Ankarana Forest (see Ankarana)	13° 05' 00" S 48° 55' 00" E	94 m
Ankarana National Park (see also: Parc National d'Ankarana, Réserve Spéciale d'Ankarana)	12° 56' 31" S 49° 03' 18" E	
Ambahibe cave, 2 km W Mahamasina (see also: Grotte d'Ambahibe, Mahamasina, 2 km W)	12° 58' 04" S 49° 07' 14" E	80 m
Ambatoharanana cave (see also: Amboandriky, 2.2 km ESE, Crocodile cave, Grotte d'Ambatoharanana)	12° 59' 18" S 49° 01' 18" E	20 m
Amboandriky, 2.2 km ESE (see Ambatoharanana cave)	12° 59' 18" S 49° 01' 18" E	20 m
Andrafiabe, 3.5 km SE	12° 56' 31" S 49° 03' 18" E	50 m
Antsironandoha Cave, west, 10 km NW Mashamasina, (see also: Grotte d'Antsironandoha, Ouest de, Mashamasina, 10 km NW)	12° 53' 20" S 49° 05' 51" E	100 m
Bat Cave, 3 km NW Mahamasima (see also: Grotte des chauves-souris, Mahamasina, 3 km NW)	12° 57' 23" S 49° 07' 05" E	80 m
Crocodile cave (see Ambatoharanana cave)	12° 59' 18" S 49° 01' 18" E	20 m
Grotte Boribe	13° 00' 00" S 49° 00' 00" E	
Grotte d'Ambahibe (see Ambahibe cave), 2 km W Mahamasina	12° 58' 04" S 49° 07' 14" E	80 m
Grotte d'Ambatoharanana (see Ambatoharanana cave)	12° 59' 18" S 49° 01' 18" E	20 m
Grotte d'Antsiroandoha	12° 53' 28" S 49° 05' 53" E	
Grotte d'Antsironandoha, Ouest de (see Antsironandoha Cave, west), 10 km NW Mashamasina,	12° 53' 20" S 49° 05' 51" E	100 m
Grotte des chauves-souris (see Bat Cave), 3 km NW Mahamasima	12° 57' 23" S 49° 07' 05" E	80 m
Mahamasina, 2 km W (see Ambahibe cave)	12° 58' 04" S 49° 07' 14" E	80 m
Mahamasina, 3 km NW (see Bat Cave)	12° 57' 23" S 49° 07' 05" E	80 m
Mashamasina, 10 km NW (see Antsironandoha Cave, west)	12° 53' 20" S 49° 05' 51" E	100 m
Rodo valley, Ankarana, N	12° 05' 00" S 49° 05' 00" E	
Anoront Sánga (see Anorotsangana)	13° 55' 00" S 47° 55' 00" E	0 m
Anoront Sánga (see Anorotsangana)	13° 54' 55" S 47° 55' 19" E	0 m
Anorontsanga (see Anorotsangana)	13° 55' 00" S 47° 55' 00" E	0 m

Anorontsangana (see Anorotsangana)		13° 55' 00" S 47° 55' 00" E	0 m
Anorontsangana (see Anorotsangana)		13° 54' 55" S 47° 55' 19" E	0 m
Anorotsangana (see also: Andranto, Anoront Sánga, Anorontsanga, Anorontsangana)		13° 55' 00" S 47° 55' 00" E	0 m
Anorotsangana (see also: Andranto, Anoront Sánga, Anorontsangana)		13° 54' 55" S 47° 55' 19" E	0 m
Antseranana (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Antsira?ana (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Antsirana (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Antsiranana (see also: Antseranana, Antsira?ana, Antsirana, Antsirane, Diego Soarez, Diégo-Suarez, Diégo-Suarez, near)		12° 16' 00" S 49° 17' 00" E	125 m
Antsiranana, 36 km S (see also: Diégo-Suarez, 36 km S)	ca.	12° 16' 00" S 49° 17' 00" E	
Antsiranana, 60 km S (see Matsaborimanga, near), Ankarana, N of		12° 54' 00" S 49° 07' 00" E	
Antsiranana, near	ca.	12° 16' 00" S 49° 17' 00" E	
Antsirane (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Betsiaka, 2.9 km N (see Andakaty, cave)		13° 07' 47" S 49° 14' 02" E	210 m
Bevato, 40 km NW (see Maroantsetra, 40 km NW)	ca.	15° 17' 00" S 49° 34' 00" E	400 m
Binara forest, 7.5 km SW Daraina (see also: Daraina, 7.5 km SW, Forêt de Binara)		13° 15' 18" S 49° 36' 59" E	
Daraina			
Daraina, 7.5 km SW (see Binara forest)		13° 15' 18" S 49° 36' 59" E	
Diego Soarez (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Diégo-Suarez (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Diégo-Suarez, 36 km S (see Antsiranana, 36 km S)	ca.	12° 16' 00" S 49° 17' 00" E	
Diégo-Suarez, near (see Antsiranana)	ca.	12° 16' 00" S 49° 17' 00" E	
Forêt d'Analabe (see Analabe, forêt de)			
Forêt d'Analamerana (see Analamerana Special Reserve)		12° 44' 00" S 49° 32' 00" E	
Forêt de Binara (see Binara forest), 7.5 km SW Daraina		13° 15' 18" S 49° 36' 59" E	
Grande Lac, 12 km SW Joffreville (see also: Joffreville, 12 km SW)		12° 34' 59" S 49° 08' 55" E	
Grotte d'Andakaty (see Andakaty, cave), 2.9 km N Betsiaka, Foret d'Andavakoera		13° 07' 47" S 49° 14' 02" E	210 m
Grotte d'Andrafiabe, forêt près de (see Analabe, forêt de), 2.6 km E Andrafiabe			50 m
Joffreville (see Ambohitra)		12° 29' 00" S 49° 12' 00" E	743 m
Joffreville, 12 km SW (see Grande Lac)		12° 34' 59" S 49° 08' 55" E	
Joffreville, 5.5 km SW (see Parc National de la Montagne d'Ambre)		12° 31' 00" S 49° 10' 00" E	1000 m
Joffreville, 6 km S (see Ambohitra, 6 km S)		12° 37' 00" S 49° 09' 00" E	1000 m
Joffreville, 6 mi [=9.6 km] S (see Ambohitra, 6 mi [=9.6 km] S)	ca.	12° 37' 00" S 49° 09' 00" E	
Les Roussettes (see also: Station des Roussettes)		12° 31' 37" S 49° 10' 19" E	1000 m
Maroantsetra, 40 km NW (see also: Bevato, 40 km NW)	ca.	15° 17' 00" S 49° 34' 00" E	400 m
Marojejy Nature Reserve (see Tahiry Nanaharin' i Marojezy)		14° 22' 18" S 49° 43' 30" E	
Matsaborimadio, at edge of, 10.5 km NE Ambondromifehy, Andavaka Matsaborimadio (see also: Ambondromifehy, 10.5 km NE)		12° 48' 38" S 49° 15' 15" E	290 m
Matsaborimanga, near, Antsiranana, 60 km S; Ankarana, N of (see also: Antsiranana, 60 km S)		12° 54' 00" S 49° 07' 00" E	
Montagne d'Ambre (Parc National) (see Ambohitra, 6 km S), 6 km S Joffreville		12° 37' 00" S 49° 09' 00" E	1000 m
Montagne des Français (see Tendrombohitr' Antsingy)		12° 22' 20" S 49° 21' 59" E	
Forêt d'Ampitiliantsambo		12° 20' 14" S 49° 23' 04" E	210 m
Montagne des Francis (see Tendrombohitr' Antsingy)		12° 22' 20" S 49° 21' 59" E	
Mount Ambre (see Ambohitra, 6 km S), 6 km S Joffreville		12° 37' 00" S 49° 09' 00" E	1000 m
Mount Ambre National Park (see Parc National de la Montagne d'Ambre), 5.5 km SW Joffreville [=Ambohitra]		12° 31' 00" S 49° 10' 00" E	1000 m
Nosi Be island (see Nossi Be island)		13° 20' 00" S 48° 15' 00" E	
Nosibé island (see Nossi Be island)		13° 20' 00" S 48° 15' 00" E	
Nossi Be island (see also: Nosi Be island, Nosibé island, Nosy Be Island)		13° 20' 00" S 48° 15' 00" E	

Andoany (see also: Hell-Ville, Helville)		13° 24' 00" S 48° 16' 00" E	0 m
Andoany, 3 km N (see also: Hell-Ville, 3 km N, Helville, 3 km N)	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Anteseranana	ca.	13° 20' 00" S 48° 15' 00" E	
Centre National de Recherches Océanographiques, 1.(km E Hell-Ville (see also: Hell-Ville, 1.5 km E)	ca.	13° 24' 00" S 48° 16' 00" E	
Fièvre Point (see Pointe à la Fièvre)		13° 25' 00" S 48° 18' 00" E	
Hell-Ville (see Andoany)		13° 24' 00" S 48° 16' 00" E	0 m
Hell-Ville, 1.5 km E (see Centre National de Recherches Océanographiques)	ca.	13° 24' 00" S 48° 16' 00" E	
Hell-Ville, 3 km N (see Andoany, 3 km N)	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Helville (see Andoany)		13° 24' 00" S 48° 16' 00" E	0 m
Helville, 3 km N (see Andoany, 3 km N)	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Nosy Be, Centre ORSTOM	ca.	13° 24' 00" S 48° 16' 00" E	
Pointe à la Fièvre (see also: Fièvre Point, Pointe de la Fièvre)		13° 25' 00" S 48° 18' 00" E	
Pointe de la Fièvre (see Pointe à la Fièvre)		13° 25' 00" S 48° 18' 00" E	
Pointe Sarodrano		13° 16' 34" S 48° 12' 25" E	
Nossi Tany Kely (see Nosy Tanikely island)		13° 28' 59" S 48° 14' 12" E	
Nossi-Be (see Nosy Be Island)		13° 20' 00" S 48° 15' 00" E	
Nosy Be Island (see Nossi Be island) (see also: Nossi-Be)		13° 20' 00" S 48° 15' 00" E	
Nosy Tanikely island (see also: Nossi Tany Kely)		13° 28' 59" S 48° 14' 12" E	
Parc National d'Ankarana (see Ankarana National Park)		12° 56' 31" S 49° 03' 18" E	
Grotte du troisième canyon, along Andokotokana river		12° 54' 51" S 49° 03' 20" E	50 m
Parc National de la Montagne d'Ambre, 5.5 km SW Joffreville [=Ambohitra] (see also: Ambohitra, 5.5 km SW, Ambre mountain National Park, Joffreville, 5.5 km SW, Mount Ambre National Park)		12° 31' 00" S 49° 10' 00" E	1000 m
Réserve Naturelle de Marojejy (see Tahiry Nanaharin' i Marojezy)		14° 22' 18" S 49° 43' 30" E	
Réserve Spéciale d'Analamerana (see Analamerana Special Reserve)		12° 44' 00" S 49° 32' 00" E	
Réserve Spéciale d'Ankarana (see Ankarana National Park)		12° 56' 31" S 49° 03' 18" E	
Sambirano River, lower, Ambanja		13° 43' 00" S 48° 20' 00" E	
Sosumau (see Ankarana)		13° 05' 00" S 48° 55' 00" E	94 m
Sosumav (see Ankarana)		13° 05' 00" S 48° 55' 00" E	94 m
Sosumaville (see Ankarana)		13° 05' 00" S 48° 55' 00" E	94 m
Station des Roussettes (see Les Roussettes)		12° 31' 37" S 49° 10' 19" E	1000 m
Tahiry Nanaharin' i Marojezy (see also: Marojejy Nature Reserve, Réserve Naturelle de Marojejy)		14° 22' 18" S 49° 43' 30" E	
Tendrombohitr' Antsingy (see also: Montagne des Français, Montagne des Francis)		12° 22' 20" S 49° 21' 59" E	
Vohemar (airfield)		13° 22' 00" S 50° 00' 00" E	
Antsohihy			
Anzahameru			
Befandriana (see also: Bofandriana)			
Bérato			
Kinakina			
Beroroha			
Betafo			
BetsiPC:FI|)			
Bevato			
Bevato or Namoroka			
Bofandriana (see Befandriana)			
Bosianoremane			
Côte Est, probablement (see East Coast, probably)			
Dronibe			
East Coast, probably (see also: Côte Est, probablement)			
Eastern Madagascar			
Fianarantsoa province (see also: Betsileo province |PC:FI|)			
Ambalavao, 43 km S (see Andringitra National Park)		22° 09' 24" S 46° 52' 32" E	

Ambatobe, W slope mount, 1.2 km ENE Ampatramary, 9.5 km NE Midongy su Sud (see also: Ampatramary, 1.2 km ENE and Midongy su Sud, 9.5 km NE)		23° 30' 01" S 47° 03' 00" E	650 m
Ambatofinandra		20° 34' 19" S 46° 48' 32" E	
Ambatofinandrahana, 3 km S (see also: unnamed cave)		20° 34' 20" S 46° 48' 32" E	1450 m
Ambinanylalangy, Vatovavy-Fitovinany region, 6.98 km NE Kianjavato (see also: Ambinany-Lalangy, Kianjavato, 6.98 km NE)		21° 20' 33" S 47° 55' 15" E	
Ambinany-Lalangy (see Ambinanylalangy)		21° 20' 33" S 47° 55' 15" E	
Amboasari, 15 km SW Vinanitelo (see also: Amboasary (2))		21° 26' 00" S 47° 37' 00" E	492 m
Amboasary (2) (see Amboasari), 15 km SW Vinanitelo		21° 26' 00" S 47° 37' 00" E	492 m
Ambodiamontana, ca 7 km (by road) W Ranomafana (see also: Ranomafana, ca 7 km (by road) W)		21° 16' 01" S 47° 25' 59" E	950 m
Ambohi (see Ambohimitombo)		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohijoky, 17 km S Tananarive, Palace-Castle Rock (see also: Antananarivo, 17 km S, Palace Rock, Tananarive, 17 km S)		19° 03' 00" S 47° 29' 00" E	1340 m
Ambohimanana, 2 km SW Vinanitelo (see also: Vinanitelo, 21 km SW)		21° 26' 00" S 48° 05' 00" E	44 m
Ambohimitambo (see Ambohimitombo)		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitambo forest (see Ambohimitombo)		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitembo (see Ambohimitombo)		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitombo (see also: Ambohi, Ambohimitambo, Ambohimitambo forest, Ambohimitembo)		20° 43' 00" S 47° 26' 00" E	1149 m
Ambositra		20° 31' 00" S 47° 15' 00" E	
Ampatramary, 1.2 km ENE and Midongy su Sud, 9.5 km NE (see Ambatobe, W slope mount)		23° 30' 01" S 47° 03' 00" E	650 m
Ampitambé (2), 45 km ESE Fandriana (see also: Fandriana, 45 km ESE)	ca.		900 m
Andraina, 2 km W	ca.	20° 23' 04" S 47° 26' 28" E	
Andrambovato, 2 km NE		21° 30' 00" S 47° 27' 00" E	550 m
Andranokova (see Canyon des Singes)	ca.	22° 30' 00" S 45° 24' 00" E	
Andranomilitry, cave (see Ihosy (commune rurale)), Ankily		22° 23' 07" S 46° 03' 23" E	950 m
Andreaba		22° 31' 00" S 46° 50' 00" E	734 m
Andriamamovoka		21° 14' 45" S 47° 23' 53" E	1112 m
Andringitra (see Andringitra National Park)		22° 09' 24" S 46° 52' 32" E	
Andringitra National Park, 43 km S Ambalavao (see also: Ambalavao, 43 km S, Andringitra)		22° 09' 24" S 46° 52' 32" E	
Ankily, W of Ihosy, off RN7		22° 23' 06" S 46° 05' 44" E	
Antananarivo, 17 km S (see Ambohijoky)		19° 03' 00" S 47° 29' 00" E	1340 m
Befotaka		23° 49' 48" S 46° 58' 12" E	800 m
Bity Massif (see Ibity Massif)		20° 07' 00" S 47° 01' 00" E	
Canyon des Singes, 2 km W Ranohira bas; Andranokova (see also: Andranokova, Ranohira bas, 2 km W)	ca.	22° 30' 00" S 45° 24' 00" E	
Cascade Sahanalaotra, near, just outside PN de Ranomafana (see also: Sahanalaotra falls, near)		21° 14' 15" S 47° 23' 52" E	1100 m
Caves of Manandona, high on mountain side		20° 03' 00" S 47° 04' 00" E	6600 ft
Fandanana (see Fandriana)		20° 14' 00" S 47° 23' 00" E	1463 m
Fandriana (see also: Fandanana, Ifandriana)		20° 14' 00" S 47° 23' 00" E	1463 m
Fandriana region		20° 17' 00" S 47° 31' 00" E	
Fandriana, 45 km ESE (see Ampitambé (2))	ca.	21° 00' 00" S 47° 45' 00" E	900 m
Fianarantsoa (see also: Fianarantsoa: Miharisoa (EPP))		21° 26' 00" S 47° 05' 00" E	1156 m
Fianarantsoa, 18 km SW		21° 27' 00" S 47° 05' 00" E	1128 m
Fianarantsoa, near	ca.	21° 26' 00" S 47° 05' 00" E	
Fianarantsoa: Miharisoa (EPP) (see Fianarantsoa)		21° 26' 00" S 47° 05' 00" E	1156 m
Forêt de Manambolo (see also: Manambolo Forest)	ca.	22° 08' 58" S 47° 01' 25" E	
Ambavafatra		22° 08' 58" S 47° 01' 25" E	1300 m
Forêt d'Ikongo (see Ikongo Forest)		21° 53' 11" S 47° 20' 49" E	
Fort Carhot (see Ikongo)		21° 53' 00" S 47° 26' 00" E	354 m
Fort Carhot (see Ikongo)		21° 53' 00" S 47° 26' 00" E	354 m
Fort Carnot (see Ikongo)		21° 53' 00" S 47° 26' 00" E	354 m
Fort-Carnot (see Ikongo)		21° 53' 00" S 47° 26' 00" E	354 m
Grotte d'Andranomilitry (see Ihosy (commune rurale)), Ankily		22° 23' 07" S 46° 03' 23" E	950 m

Ibity Massif		20° 07' 00" S 47° 01' 00" E	
(see also: Bity Massif)			
Tombamnoanjo			1725 m
Ifanadiana		21° 18' 00" S 47° 38' 00" E	532 m
Ifanadiana, 6 km SSW		21° 21' 00" S 47° 37' 01" E	500 m
Ifandriana (see Fandriana)		20° 14' 00" S 47° 23' 00" E	1463 m
Ihosy (commune rurale), Ankily		22° 23' 07" S 46° 03' 23" E	950 m
(see also: Andranomilitry, cave, Grotte d'Andranomilitry)			
Ihosy, 30 km N		22° 23' 00" S 46° 09' 00" E	
Ikongo		21° 53' 00" S 47° 26' 00" E	354 m
(see also: Fort Carhot, Fort Carhot, Fort Carnot, Fort-Carnot)			
Ikongo Forest		21° 53' 11" S 47° 20' 49" E	
(see also: Forêt d'Ikongo)			
Ilakaka, E of, 220 km NE Tuléar		22° 41' 00" S 45° 13' 00" E	769 m
(see also: Toleara, 220 km NE, Tuléar, 220 km NE)			
Imasindrary		20° 17' 00" S 47° 31' 00" E	
(see also: Masindary, Sahamananina)			
Imerina, forest, E of		20° 32' 00" S 47° 20' 00" E	
Isalo National Park		22° 27' 52" S 45° 15' 43" E	
(see also: Parc National d'Isalo)			
Analamangabe		22° 29' 08" S 45° 23' 02" E	
Andranomboalavo	ca.	22° 33' 00" S 45° 23' 00" E	
Bekapity cave (see Grotte de Bekapity)		22° 38' 00" S 45° 13' 05" E	
Berenty-Betsileo, 28 km SE		22° 19' 00" S 45° 17' 36" E	550 m
Grotte de Bekapity		22° 38' 00" S 45° 13' 05" E	
(see also: Bekapity cave)			
Sahanfa River, along	ca.	22° 18' 42" S 45° 17' 45" E	
Itambelo (see Itaombelo)	ca.	21° 48' 00" S 47° 15' 00" E	
Itaombelo	ca.	21° 48' 00" S 47° 15' 00" E	
(see also: Itambelo, Stambelo)			
Itremo (village)		20° 35' 38" S 46° 37' 15" E	1450 m
Itremo, 2.5 km W		20° 35' 38" S 46° 37' 04" E	1400 m
Kianjavato		21° 22' 00" S 47° 51' 36" E	150 m
FOFIFA Station, Kianjavato		21° 22' 00" S 47° 51' 36" E	150 m
Kianjavato, 0.5 km N		21° 23' 00" S 47° 52' 00" E	300 m
Kianjavato, 4 km E (by road)		21° 22' 59" S 47° 54' 00" E	125 m
Kianjavato, 6.98 km NE (see Ambinanylalangy)		21° 20' 33" S 47° 55' 15" E	
Kianjavato, 9 km ESE (see Vatovavy)		21° 24' 00" S 47° 57' 00" E	150 m
Manambolo Forest (see Forêt de Manambolo)	ca.	22° 08' 58" S 47° 01' 25" E	
Masindary (see Imasindrary)		20° 17' 00" S 47° 31' 00" E	
Mistinjo, Forests east of Fianarantsoa			
Anjoky cave			
(see also: Grotte d'Anjoky)			
Grotte d'Anjoky (see Anjoky cave)			
Palace Rock (see Ambohijoky)		19° 03' 00" S 47° 29' 00" E	1340 m
Parc National d'Isalo (see Isalo National Park)		22° 27' 52" S 45° 15' 43" E	
Hotel Jardin du Roi, 10.5 km SW Ranohira	ca.	22° 38' 44" S 45° 19' 08" E	
(see also: Ranohira, 10.5 km SW)			
Ranohira, 10.5 km SW (see Hotel Jardin du Roi)	ca.	22° 38' 44" S 45° 19' 08" E	
Ranohira	ca.	22° 30' 00" S 45° 24' 00" E	ca. 775 m
Ranohira bas, 2 km W (see Canyon des Singes)	ca.	22° 30' 00" S 45° 24' 00" E	
Ranohira, 3.8 km NW, along Namaza river	ca.	22° 32' 24" S 45° 22' 48" E	
Ranohira, 7.8 - 8 km N, just outside Parc National d'Isalo, along Menamaty River, on RN7		22° 29' 08" S 45° 23' 30" E	700 m
Ranomafana, ca 7 km (by road) W (see Ambodiamontana)		21° 16' 01" S 47° 25' 59" E	
Sahafina		22° 14' 00" S 47° 29' 00" E	
Sahamananina (see Imasindrary)			
Sahanalaotra falls, near (see Cascade Sahanalaotra, near), just outside PN de Ranomafana		21° 14' 15" S 47° 23' 52" E	1100 m
Sakaleo River (see Sakaleona River)		20° 34' 50" S 48° 31' 47" E	
Sakaleona River		20° 34' 50" S 48° 31' 47" E	
(see also: Sakaleo River, Sakaleony River)			
Sakaleony River (see Sakaleona River)		20° 34' 50" S 48° 31' 47" E	
Stambelo (see Itaombelo)	ca.	21° 48' 00" S 47° 15' 00" E	
Tananarive, 17 km S (see Ambohijoky)		19° 03' 00" S 47° 29' 00" E	1340 m
unnamed cave (see Ambatofinandrahana, 3 km S), 3 km S Ambatofinandrahana		20° 34' 20" S 46° 48' 32" E	1450 m
Vatovavy, 9 km ESE Kianjavato		21° 24' 00" S 47° 57' 00" E	150 m
(see also: Kianjavato, 9 km ESE)			
Vinanitelo		21° 43' 00" S 47° 16' 00" E	
Vinanitelo, 15 km SW		21° 26' 00" S 47° 37' 00" E	492 m
Vinanitelo, 21 km SW (see Ambohimanana)		21° 26' 00" S 48° 05' 00" E	44 m

Vohiposa		20° 59' 46" S 47° 09' 42" E	
Vondrozo, cave N of		22° 49' 00" S 47° 17' 00" E	
Vondrozo, near	ca.	22° 49' 00" S 47° 17' 00" E	
Zazafotsy		22° 12' 20" S 46° 21' 40" E	
Grande forêt de l'Est (see Great forest of the East)			
Great forest of the East (see also: Grande forêt de l'Est)			
Great Forest of the East (see Konakry)			
Grotte d'Andrafiabe, 3.5 km ESE Andrafiabe (see also: Andrafiabe cave, Andrafiabe, 3.5 km ESE)	ca.	12° 55' 54" S 49° 03' 24" E	
Grotte d'Andranomathy (see Andranomathy cave)			
Grotte de Sakoandrano (see Sakoandrano cave)			
Ifandanana			
Ivohibe			
Ivohiho			
Ivohimanitra	ca.	20° 42' 00" S 47° 35' 00" E	
Kyma Kyma			
Lac Lotry (see Lotry, Lake)			
Lotry, Lake (see also: Lac Lotry)			
Madagascar, east coast			
Ambadiramique			
Mahajanga province			
Ambalanjanakomby, 25 km SW (see also: Ambalantanakomby, 25 km SW)	ca.	16° 47' 01" S 46° 56' 40" E	
Ambalantanakomby, 25 km SW (see Ambalanjanakomby, 25 km SW)	ca.	16° 47' 01" S 46° 56' 40" E	
Ambinda		18° 01' 41" S 44° 29' 45" E	223 m
Ambohimirija caves (see Namoroka)		16° 24' 00" S 45° 17' 00" E	80 m
Ambondramamy		16° 26' 10" S 47° 09' 22" E	
Ambovondramanesy, village near Berivotra, on RN4		15° 54' 00" S 46° 35' 00" E	
Ampidirabe forest (see Forêt d'Ampidirabe)	ca.	18° 31' 45" S 44° 36' 35" E	
Ampirojoa forest (see Forêt d'Ampirojoa)		16° 18' 54" S 46° 48' 36" E	100 m
Andadoany, 1.8 km SE and 0.6 km NE (see Bekopake), just outside the limit of the Parc national de Bemaraha		19° 09' 00" S 44° 48' 00" E	27 m
Andrafia (see Andrafiavelo), 42 km NE Maintirano		17° 46' 00" S 44° 13' 00" E	75 m
Andrafiavelo, 42 km NE Maintirano (see also: Andrafia, Andriafavelo, Maintirano, 42 km NE)		17° 46' 00" S 44° 13' 00" E	75 m
Andranoboka, caves (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Andranomanitsy Forest, 24.5 km N Besalampy (see also: Besalampy, 24.5 km N)		16° 31' 28" S 44° 29' 23" E	35 m
Andriafavelo (see Andrafiavelo), 42 km NE Maintirano		17° 46' 00" S 44° 13' 00" E	75 m
Androhibe, caves (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Anjajavy (see also: Jajavy)		15° 02' 00" S 47° 14' 00" E	112 m
Anjajavy, 18.5 km S (see Grotte d'Ankelimahogo)		15° 11' 26" S 47° 12' 10" E	50 m
Anjajavy, 26.5 km SW		15° 11' 52" S 47° 02' 32" E	0 m
Anjajavy, 3 km NE		15° 00' 28" S 47° 14' 20" E	10 m
Anjajavy, 4 km NE		14° 59' 43" S 47° 13' 55" E	10 m
Anjohibe Cave, NCC-1 deposit, 3.7 km NE Antanamarina (see also: Andranoboka, caves, Androhibe, caves, Anjohibe Zohin', Antanamarina, 3.7 km NE, Grotte d'Anjohibe, Grottes d'Andranoboka, Grottes d'Androhibe, Grottes d'Anjohibe, Tsinjomitondraka)		15° 32' 33" S 46° 53' 10" E	100 m
Anjohibe Zohin' (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Anjohikely cave (south entrance) (see Grotte d'Anjohikely (south entrance)), 1.5 km NE Antanamasina		15° 33' 39" S 46° 52' 27" E	
Anjohimbovonomby		16° 28' 09" S 45° 20' 53" E	115 m
Ankapoka		19° 02' 42" S 44° 44' 06" E	
Ankarafantsika forest (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga		16° 09' 00" S 47° 02' 00" E	
Ankarafantsika Natural Reserve (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga		16° 09' 00" S 47° 02' 00" E	
Ampijoara Forest (see Mkhotakota district)	ca.	16° 18' 00" S 46° 49' 00" E	
Ampijoara, lake (see Ampijoroa)	ca.	16° 18' 00" S 46° 49' 00" E	
Ampijoroa, ca 40 km S Marovoay (see also: Ampijoara, lake, Ampyoara, Marovoay, ca 40 km S)	ca.	16° 18' 00" S 46° 49' 00" E	

Ampyoara (see Ampijoroa)	ca.	16° 18' 00" S 46° 49' 00" E	
Ankarafatsika National Park (see also: Parc National d' Ankarafatsika)			
Antafinimihakatra		16° 16' 00" S 46° 48' 00" E	
Ankazomborona		16° 06' 59" S 46° 45' 14" E	
Ankelimahogo cave (see Grotte d'Ankelimahogo)		15° 11' 26" S 47° 12' 10" E	50 m
Ankilizato, W of Ankavandra		18° 38' 05" S 44° 59' 37" E	
Ansalova, 15 km E		18° 40' 00" S 44° 37' 00" E	
Antanamarina cascade (see also: Cascade d'Antanamarina)		15° 34' 34" S 46° 52' 09" E	
Antanamarina, 3.7 km NE (see Anjohibe Cave)		15° 32' 33" S 46° 53' 10" E	100 m
Antanamasina, 1.5 km NE (see Grotte d'Anjohikely (south entrance))		15° 33' 39" S 46° 52' 27" E	
Antsalova, 16.3 km N (see Forêt d'Ampidirabe)	ca.	18° 31' 45" S 44° 36' 35" E	
Antsalova, 18.3 km NNE (see Forêt de Mamakibetro)	ca.	18° 27' 13" S 44° 42' 57" E	
Antsingy Forest, 15 km E Antsalova		18° 40' 00" S 44° 37' 00" E	
Bekopake, just outside the limit of the Parc national de Bemaraha (see also: Andadoany, 1.8 km SE and 0.6 km NE)		19° 09' 00" S 44° 48' 00" E	27 m
Belobaka		15° 41' 26" S 46° 25' 08" E	
Bemara gorges (see Bemaraha National Park)		18° 45' 00" S 44° 50' 00" E	
Bémaraha caves (see also: Grottes de Bémaraha)	ca.	18° 45' 00" S 44° 50' 00" E	
Bemaraha National Park (see also: Bemara gorges, Bemaraha, Tsingin' i, Parc National de Bemaraha, Tsingy de Bemaraha, Reserve Naturelle de)		18° 45' 00" S 44° 50' 00" E	
Anjohikinakina cave, 15.5 km N Bekopaka (see also: Bekopaka, 15.5 km N, Grotte d'Anjohikinakina)		19° 00' 36" S 44° 46' 04" E	
Anjohitantely		19° 08' 28" S 44° 48' 47" E	64 m
Bekopaka, 15.5 km N (see Anjohikinakina cave)		19° 00' 36" S 44° 46' 04" E	
Grotte d'Anjohikinakina (see Anjohikinakina cave)		19° 00' 36" S 44° 46' 04" E	
Grotte d'Anjohimbazimba		18° 14' 42" S 44° 42' 58" E	
Bemaraha, Tsingin' i (see Bemaraha National Park)		18° 45' 00" S 44° 50' 00" E	
Beravina, 21.8 km ESE (see Forêt de Mehajebi)	ca.	18° 15' 27" S 45° 25' 42" E	
Berifitra (see Berivotra (village))		15° 54' 03" S 46° 34' 42" E	252 m
Berivotra (village) (see also: Berifitra)		15° 54' 03" S 46° 34' 42" E	252 m
Besalampy, 24.5 km N (see Andranomanitsy Forest)		16° 31' 28" S 44° 29' 23" E	35 m
Boanamary, 3 km NE	ca.	15° 50' 00" S 46° 19' 00" E	0 m
Boeni (see Boeny)		15° 54' 00" S 45° 56' 00" E	44 m
Boeny (see also: Boeni, Boina)		15° 54' 00" S 45° 56' 00" E	44 m
Boina (see Boeny)		15° 54' 00" S 45° 56' 00" E	44 m
Cascade d'Antanamarina (see Antanamarina cascade)		15° 34' 34" S 46° 52' 09" E	
Causse de Namoroka (see Namoroka)		16° 24' 00" S 45° 17' 00" E	80 m
Forêt d'Ampidirabe, 16.3 km N Antsalova (see also: Ampidirabe forest, Antsalova, 16.3 km N)	ca.	18° 31' 45" S 44° 36' 35" E	
Forêt d'Ampirojoa (see also: Ampirojoa forest)		16° 18' 54" S 46° 48' 36" E	100 m
Forêt de Mamakibetro, 18.3 km NNE Antsalova (see also: Antsalova, 18.3 km NNE, Mamakibetro forest)	ca.	18° 27' 13" S 44° 42' 57" E	
Forêt de Mehajebi, 21.8 km ESE Beravina (see also: Beravina, 21.8 km ESE, Mehajebi forest)	ca.	18° 15' 27" S 45° 25' 42" E	
Grotte d'Anjohibe (see Anjohibe Cave), 3.7 km NE Antanamarina		15° 32' 33" S 46° 53' 10" E	100 m
Grotte d'Anjohikely (south entrance), 1.5 km NE Antanamarina (see also: Anjohikely cave (south entrance), Antanamasina, 1.5 km NE)		15° 33' 39" S 46° 52' 27" E	
Grotte d'Ankelimahogo (see also: Anjajavy, 18.5 km S, Ankelimahogo cave)		15° 11' 26" S 47° 12' 10" E	50 m
Grotte de Maromandia (see Maromandia)		14° 13' 00" S 48° 05' 00" E	95 m
Grottes d'Ambohimirija (see Namoroka)		16° 24' 00" S 45° 17' 00" E	80 m
Grottes d'Andranoboka (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Grottes d'Androhibe (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Grottes d'Anjohibe (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m

Grottes de Bémaraha (see Bémaraha caves)	ca.	18° 45' 00" S 44° 50' 00" E	
Jajavy (see Anjajavy)		15° 02' 00" S 47° 14' 00" E	112 m
Kandreho		17° 29' 00" S 46° 06' 00" E	241 m
(see also: Kandreo)			
Kandreo (see Kandreho)		17° 29' 00" S 46° 06' 00" E	241 m
Maevatanana		16° 57' 00" S 46° 50' 00" E	133 m
(see also: Maevetanana, Mavatanana, Mevatanana)			
Maevetanana (see Maevatanana)		16° 57' 00" S 46° 50' 00" E	133 m
Mahajanga		15° 43' 00" S 46° 19' 03" E	124 m
(see also: Majunga)			
Beanka forest (see Forêt de Beanka)	ca.	17° 26' 27" S 44° 12' 59" E	
Forêt de Beanka, along Kimanambolo River	ca.	17° 26' 27" S 44° 12' 59" E	
(see also: Beanka forest)			
Mahajanga, 274 km E (see Mandritsara, N of)		15° 49' 00" S 48° 49' 00" E	
Mahajanga, 97 km SE (see Tahiry Nanaharin' Ankarafantsika)		16° 09' 00" S 47° 02' 00" E	
Mahajanga, N of		15° 40' 05" S 46° 19' 19" E	
Maintirano, 42 km NE (see Andrafiavelo)		17° 46' 00" S 44° 13' 00" E	75 m
Majunga (see Mahajanga)		15° 43' 00" S 46° 19' 03" E	124 m
Mamakibetro forest (see Forêt de Mamakibetro)	ca.	18° 27' 13" S 44° 42' 57" E	
Mandritsara, N of, 274 km E Mahajanga		15° 49' 00" S 48° 49' 00" E	
(see also: Mahajanga, 274 km E)			
Maromandia		14° 13' 00" S 48° 05' 00" E	95 m
(see also: Grotte de Maromandia, Maromandia cave)			
Maromandia cave (see Maromandia)		14° 13' 00" S 48° 05' 00" E	95 m
Maromandia, NW	ca.	14° 13' 00" S 48° 05' 00" E	95 m
Maromandia, NW of	ca.	14° 13' 00" S 48° 05' 00" E	
Marovaza		14° 56' 48" S 47° 16' 29" E	5 m
Marovaza, 4.2 km SE (cave)		14° 57' 58" S 47° 18' 29" E	40 m
Marovoay		16° 06' 00" S 46° 38' 00" E	82 m
Marovoay, ca 40 km S (see Ampijoroa)	ca.	16° 18' 00" S 46° 49' 00" E	
Mavatanana (see Maevatanana)		16° 57' 00" S 46° 50' 00" E	133 m
Mehajebi forest (see Forêt de Mehajebi)	ca.	18° 15' 27" S 45° 25' 42" E	
Mevatanana (see Maevatanana)		16° 57' 00" S 46° 50' 00" E	133 m
Namoroka		16° 24' 00" S 45° 17' 00" E	80 m
(see also: Ambohimirija caves, Causse de Namoroka, Grottes d'Ambohimirija)			
Namoroka Nature Reserve (see Tsingy de Namoroka, Réserve Naturelle), Soalala, S		16° 28' 00" S 45° 20' 00" E	
Parc National d' Ankarafatsika (see Ankarafatsika National Park)			
Parc National de Bemaraha (see Bemaraha National Park)		18° 45' 00" S 44° 50' 00" E	
Ambatonntaniba, on the Tanandra River, near Tamatave			
Ambila-Lemaitso		18° 50' 00" S 49° 09' 00" E	9 m
Ankidrodroa, 2.5 m NE Bekopaka		19° 07' 54" S 44° 48' 30" E	100 m
Bekopaka, 3.5 km E	ca.	19° 09' 00" S 44° 50' 00" E	
Rakotoniaine, on RN8 between Soalala and Vilanandro	ca.	16° 18' 00" S 45° 23' 00" E	
Réserve Naturelle de l' Ankarafantsika (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga		16° 09' 00" S 47° 02' 00" E	
Réserve Naturelle de Namoroka (see Tsingy de Namoroka, Réserve Naturelle), Soalala, S		16° 28' 00" S 45° 20' 00" E	
Andriabe site, 2 km SE Namoroka village	ca.	16° 28' 00" S 45° 20' 00" E	
Réserve Naturelle de Tsigny de Namoroka (see Tsingy de Namoroka, Réserve Naturelle)		16° 28' 00" S 45° 20' 00" E	
Sainte Marie		16° 08' 00" S 46° 58' 00" E	147 m
Soalala		16° 06' 00" S 45° 19' 00" E	0 m
Tahiry Nanaharin' Ankarafantsika, 97 km SE Mahajanga		16° 09' 00" S 47° 02' 00" E	
(see also: Ankarafantsika forest, Ankarafantsika Natural Reserve, Mahajanga, 97 km SE, Réserve Naturelle de l' Ankarafantsika)			
Tsaratanana		16° 46' 00" S 47° 40' 00" E	
Tsiandra (see Tsiandro)		18° 44' 00" S 44° 54' 00" E	477 m
Tsiandro		18° 44' 00" S 44° 54' 00" E	477 m
(see also: Tsiandra)			
Tsingy de Bemaraha, Reserve Naturelle de (see Bemaraha National Park)		18° 45' 00" S 44° 50' 00" E	
Andranomavo, 32 km NW, near source of Mandevy River		16° 22' 48" S 45° 20' 42" E	100 m

Tsingy de Namoroka, Réserve Naturelle, Soalala, S (see also: Namoroka Nature Reserve, Réserve Naturelle de Namoroka, Réserve Naturelle de Tsigny de Namoroka)		16° 28' 00" S 45° 20' 00" E	
Tsinjomitondraka (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Mahanoro			
Mananaro			
Mananjary			
Manjakatompo			
Maroantsétra, 2 days NE			
Marovatanana			
Meratanana			
Mpasibola, Center-East Madagascar			
North-west coast			
NW Madagascar			
Ramara			
Sahamalaza			
Sakoandrano cave (see also: Grotte de Sakoandrano)			
Taluky or Tahiky, West of Ankazoabo			
TamatPC:TM|)			
Tanala			
Toamasina province (see also: Tamatave province |PC:TM|)			
Alaotra, lake, near (see Farihy Alaotra (lake), near)	ca.	17° 27' 55" S 48° 31' 30" E	
Ambanizana (see also: Benjana)		15° 37' 00" S 49° 58' 00" E	255 m
Ambatondrazaka prefecture			
Ambatondrazaka (see also: Ambatonoradrazaka)		17° 50' 00" S 48° 25' 00" E	847 m
Ambatonoradrazaka (see Ambatondrazaka)		17° 50' 00" S 48° 25' 00" E	847 m
Ambodiriana, 20 km SW Perinet (see also: Périnet, 20 km SW)		19° 01' 00" S 48° 21' 00" E	
Ampara Fara (see Amparafara), Perinet, Moramanga, Tamatave		18° 41' 00" S 47° 35' 00" E	1373 m
Amparafara, Perinet, Moramanga, Tamatave (see also: Ampara Fara)		18° 41' 00" S 47° 35' 00" E	1373 m
Analamazaotra forest (see Andasibe), E of Moramanga		18° 56' 00" S 48° 25' 00" E	921 m
Andasibe (see also: Analamazaotra forest, Périnet)		18° 56' 00" S 48° 25' 00" E	921 m
Périnet (see Andasibe), E of Moramanga, Analamazaotra forest (see also: Périnet Railway Station)		18° 56' 00" S 48° 25' 00" E	
Périnet Railway Station (see Périnet)		18° 56' 00" S 48° 25' 00" E	
Périnet, 1 mi [=1.6 km] S	ca.	18° 56' 00" S 48° 25' 00" E	914 m
Périnet, 20 km SW (see Ambodiriana)		19° 01' 00" S 48° 21' 00" E	
Périnet, 3 km E	ca.	18° 56' 00" S 48° 25' 00" E	
Périnet, 5 km S	ca.	18° 56' 00" S 48° 25' 00" E	
Périnet, 8 km S	ca.	18° 56' 00" S 48° 25' 00" E	914 m
Ambodi Mangy (see also: Maroantsetra, 20 km SW)		15° 34' 00" S 49° 36' 00" E	
Ampasimanolotra district (see also: Brickaville district, Vohibinany district)	ca.	18° 49' 04" S 49° 04' 21" E	
Ampasimanolotra (see also: Brickaville, Vohibinany)		18° 49' 00" S 49° 04' 00" E	3 m
Brickaville (see Ampasimanolotra)		18° 49' 00" S 49° 04' 00" E	3 m
Vohibinany (see Ampasimanolotra)		18° 49' 00" S 49° 04' 00" E	3 m
Ampitambé (1), N of Moramanga		18° 51' 00" S 48° 15' 00" E	913 m
Analalava		24° 42' 00" S 47° 02' 00" E	46 m
Analalava Forest, 6 km N Manantenina (see also: Forêt d'Analalava, Manantenina, 6 km N)		24° 12' 00" S 47° 16' 00" E	ca. 20 m
Andreba (railroad station)		17° 38' 00" S 48° 32' 00" E	914 m
Androka River, along, Ambanizana, 1.1 km S		15° 38' 03" S 49° 58' 07" E	5 m
Antanambe region			
Mananara	ca.	24° 43' 00" S 47° 05' 00" E	
Beforona, between Tananarive and Andevoranto (see also: Beforono)		18° 58' 00" S 48° 35' 00" E	507 m
Beforono (see Beforona), between Tananarive and Andevoranto		18° 58' 00" S 48° 35' 00" E	507 m
Benjana (see Ambanizana)		15° 37' 00" S 49° 58' 00" E	255 m
Brickaville district (see Ampasimanolotra district)	ca.	18° 49' 04" S 49° 04' 21" E	
Didy, 7 km N	ca.	18° 07' 00" S 48° 32' 00" E	
Farankaraina Tropical Park		15° 25' 43" S 49° 50' 32" E	

Farihy Alaotra (lake), near (see also: Alaotra, lake, near, Lac Alaotra, near)	ca.	17° 27' 55" S 48° 31' 30" E	
Fénérive-Est, 10 km NW (see Forêt de Tampolo)	ca.	17° 19' 20" S 49° 20' 02" E	
Forêt d'Analalava (see Analalava Forest), 6 km N Manantenina		24° 12' 00" S 47° 16' 00" E	ca. 20 m
Foret de Sahafina, Brickaville, 9.5 km W		18° 48' 27" S 48° 58' 55" E	105 m
Forêt de Sahafina, Brickaville, 9.5 km W		18° 48' 37" S 48° 58' 48" E	50 m
Forêt de Tampolo, 10 km NW Fénérive-Est (see also: Fénérive-Est, 10 km NW, Tampolo forest)	ca.	17° 19' 20" S 49° 20' 02" E	
Foulepoint and lake Alaoutre, between (see Foulpointe and Lake Alotra, between)	ca.	17° 35' 00" S 49° 00' 00" E	
Foulpointe (see Mahavelona)		17° 41' 00" S 49° 31' 00" E	0 m
Foulpointe and Lake Alotra, between (see also: Foulepoint and lake Alaoutre, between)	ca.	17° 35' 00" S 49° 00' 00" E	
Hiaraka, Masoala, Baie d'Antongil		15° 29' 00" S 49° 54' 00" E	
Ivondro, Valley of High Fanjahira (see also: Ivondrona)		18° 14' 00" S 49° 22' 00" E	5 m
Ivondrona (see Ivondro), Valley of High Fanjahira		18° 14' 00" S 49° 22' 00" E	5 m
Junck (see Junok), 30 km NE Perinet		18° 48' 00" S 48° 40' 00" E	975 m
Junok, 30 km NE Perinet (see also: Junck, Périnet, 30 km NE)		18° 48' 00" S 48° 40' 00" E	975 m
Lac Alaotra, near (see Farihy Alaotra (lake), near)	ca.	17° 27' 55" S 48° 31' 30" E	
Mahavelona (see also: Foulpointe)		17° 41' 00" S 49° 31' 00" E	0 m
Manantenina, 6 km N (see Analalava Forest)		24° 12' 00" S 47° 16' 00" E	ca. 20 m
Mantadia National Park (see Parc National de Mantadia), between PK 9 and PK 10		18° 48' 56" S 48° 25' 38" E	
Maroantsetra		15° 26' 00" S 49° 44' 00" E	170 m
Maroantsetra, 20 km SW (see Ambodi Mangy)		15° 34' 00" S 49° 36' 00" E	
Maroantsetra, near	ca.	15° 26' 00" S 49° 44' 00" E	
Maroantsetra, NW of	ca.	15° 26' 00" S 49° 44' 00" E	
Moramanga		18° 56' 00" S 48° 12' 00" E	909 m
Moramanga, E side	ca.	18° 56' 00" S 48° 12' 00" E	
Parc National de Mantadia, between PK 9 and PK 10 (see also: Mantadia National Park)		18° 48' 56" S 48° 25' 38" E	
PK 9 and PK 10, between		18° 48' 56" S 48° 25' 38" E	
Périnet, 30 km NE (see Junok)		18° 48' 00" S 48° 40' 00" E	975 m
Poste Forestier de Farankaraina, Mahalevona, 7.5 km SW		15° 25' 42" S 49° 50' 43" E	50 m
Rogez		18° 48' 00" S 48° 37' 00" E	359 m
Rogez, near (see also: Sainte Augustin, Tulear, 17 mi [=27 km] S)	ca.	18° 48' 00" S 48° 37' 00" E	
Sakana		17° 18' 00" S 49° 02' 00" E	436 m
Sianaka Forest		18° 25' 21" S 48° 47' 59" E	
Tamatave (see Toamasina)		18° 10' 00" S 49° 23' 00" E	22 m
Tamatave, N of (see Toamasina, N of)	ca.	18° 10' 00" S 49° 23' 00" E	
Tampina		18° 30' 00" S 49° 16' 00" E	25 m
Tampolo forest (see Forêt de Tampolo)	ca.	17° 19' 20" S 49° 20' 02" E	
Toamasina (see also: Tamatave)		18° 10' 00" S 49° 23' 00" E	22 m
Toamasina, N of (see also: Tamatave, N of)	ca.	18° 10' 00" S 49° 23' 00" E	
Toamasina, near	ca.	18° 10' 00" S 49° 23' 00" E	
Vohibinany district (see Ampasimanolotra district)	ca.	18° 49' 04" S 49° 04' 21" E	
Toliara province (see also: Toliary province |PC:TL|, Tulear province |PC:TL|)			
Ambanilia cave (see Grotte d'Ambanilia)		23° 32' 24" S 43° 46' 01" E	
Amboasary, 12 km ENE and Ranopiso, 20 km WNW (see Itaranta River, near)		25° 05' 00" S 46° 28' 00" E	40 m
Amboasary, 24 km (by road) NNE		24° 52' 00" S 46° 27' 00" E	80 m
Amboasary, ca 20 km (by road) NNE		24° 52' 00" S 46° 27' 00" E	
Amboasoary			
Ambohimahavelona		23° 26' 00" S 43° 54' 00" E	
Ambovombe		25° 10' 00" S 46° 05' 00" E	135 m
Ambovombe, near (see Lower Fiherenana Valley)	ca.	25° 10' 00" S 46° 05' 00" E	
Amdroimpano cave (see Grotte d'Amdroimpano)		24° 39' 01" S 43° 57' 48" E	110 m
Ampanibe, N Bank Manampanihy/Iavibola River		24° 16' 01" S 47° 19' 07" E	25 m
Ampasy (see Ampasy Nahampoana)		24° 58' 00" S 46° 59' 00" E	63 m
Ampasy Nahampoana, 7 km NNW Tolagnaro (see also: Ampasy, Nahampoana, Tolagnaro, 7 km NNW)		24° 58' 00" S 46° 59' 00" E	63 m

Ampasy Nahampoana Forest (see also: Nahampoana Forest)	ca.	24° 58' 00" S 46° 59' 00" E	
Andalabezo cave (see Forêt des Mikea (1))		22° 30' 00" S 43° 23' 00" E	15 m
Andalambezo cave (see Forêt des Mikea (1))		22° 30' 00" S 43° 23' 00" E	15 m
Andrahomana cave	ca.	25° 11' 00" S 46° 40' 00" E	
Andranohinalahy (see Andranohinaly)		23° 17' 00" S 43° 59' 00" E	301 m
Andranohinaly (see also: Andranohinalahy)		23° 17' 00" S 43° 59' 00" E	301 m
Androbaha cave, on Onilahy river (see also: Grotte d'Androbaha)			
Ankapoky, ca 21 km NW Ranopiso (see also: Ranopiso, ca 21 km NW)		24° 59' 00" S 46° 30' 00" E	50 m
Ankavandra, N of (see also: Antananarivo, 193 km W)		18° 45' 00" S 45° 13' 00" E	
Ankavandra, near	ca.	18° 46' 00" S 45° 18' 00" E	119 m
Ankiliabo, 11 km SSE (see Forêt de Beronto)		21° 46' 48" S 43° 58' 42" E	
Ankilibaka (see Ankililoaka)		22° 46' 03" S 43° 36' 57" E	95 m
Ankililoaka (see also: Ankilibaka)		22° 46' 03" S 43° 36' 57" E	95 m
Ankiloaka, 9.5 km W (see Forêt des Mikea (2))		22° 46' 42" S 43° 31' 24" E	80 m
Anosy river, 11 km SW near (see Bevilany)		25° 01' 00" S 46° 30' 00" E	
Antananarivo, 193 km W (see Ankavandra, N of)		18° 45' 00" S 45° 13' 00" E	
Antanandava, 5.8 km NE Beroboka Sud (see also: Beroboka Sud, 5.8 km NE)		19° 55' 47" S 44° 36' 21" E	30 m
Bas Mangoky agricultural station	ca.	21° 36' 00" S 43° 42' 00" E	
Bat/maki cave (see Grotte des chauves-souris/makis)		23° 28' 20" S 43° 46' 14" E	
Befandefa, 8.4 km SSE (see Forêt des Mikea (3))	ca.	22° 13' 56" S 43° 21' 50" E	
Behara		24° 57' 00" S 46° 23' 00" E	48 m
Belo Tsiribihina		19° 42' 01" S 44° 32' 51" E	
Beloha		25° 10' 00" S 45° 03' 00" E	
Bemangidy, Poste Manantenina, 72 km N of Ft Dauphin (see also: Fort-Dauphin, 72 km N, Tolanaro, 72 km N)		24° 24' 00" S 47° 00' 00" E	
Beraketa, ca 20 km (by road) NNE Amboasary		24° 52' 00" S 46° 27' 00" E	80 m
Beratro		25° 00' 00" S 45° 17' 00" E	213 m
Berevo, Upper Siribihina river		19° 43' 36" S 44° 57' 34" E	
Béroboka (see Beroboka Atsimo)		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Atsimo (see also: Béroboka, Beroboka Sud, Beroboka Ville)		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Sud (see Beroboka Atsimo)		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Sud, 5.8 km NE (see Antanandava)		19° 55' 47" S 44° 36' 21" E	30 m
Beroboka Ville (see Beroboka Atsimo)		19° 59' 00" S 44° 36' 00" E	43 m
Beronto forest (see Forêt de Beronto)		21° 46' 48" S 43° 58' 42" E	
Betanty (see also: Faux Cap, Port de Faux Cap)		25° 34' 00" S 45° 31' 00" E	34 m
Betioky Sud		23° 43' 11" S 44° 23' 01" E	
Betroka		23° 15' 50" S 46° 05' 30" E	800 m
Betsileo		22° 10' 00" S 45° 04' 00" E	
Bevaho, 24 km (by road) NNE Amboasary		24° 52' 00" S 46° 27' 00" E	
Bevilany, 11 km SW near Anosy River (see also: Anosy river, 11 km SW near)		25° 01' 00" S 46° 30' 00" E	40 m
Bishiko cave (see Grotte de Tanambao)		23° 32' 56" S 43° 46' 03" E	10 m
Bisihiko cave (see Grotte de Tanambao), 0.75 km E St. Augustin		23° 32' 56" S 43° 46' 03" E	10 m
Cap Saint Vincent (see Tanjona Ankaboa)		21° 52' 00" S 43° 20' 00" E	
Cape Saint Vincent (see Tanjona Ankaboa)		21° 52' 00" S 43° 20' 00" E	
Cape Saint Vincent, near (see Tanjona Ankaboa, near)	ca.	21° 52' 00" S 43° 20' 00" E	
Cascade de Manantantely (see Manantantely, falls), 5.2 km NW Tolagnaro		24° 59' 21" S 46° 55' 22" E	65 m
Evondro (see High Fanjahira, valley)			
Faradofay (see Tolanaro)		25° 02' 00" S 47° 00' 00" E	0 m
Farihy Tsimanampetsotsa (see Tsimanampetsotsa, lake)		24° 07' 00" S 43° 45' 00" E	
Faux Cap (see Betanty)		25° 34' 00" S 45° 31' 00" E	34 m
Fiherenana River, lower valley, near Tulear		23° 18' 59" S 43° 37' 06" E	
Forêt de Beronto (see also: Ankiliabo, 11 km SSE, Beronto forest)		21° 46' 48" S 43° 58' 42" E	
Forêt de Kirindy (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Forêt de Marovony (see Marovony Forest)		24° 04' 00" S 47° 20' 00" E	30 m
Forêt de Zombitsy (see Zombitsy forest)		22° 47' 00" S 44° 42' 00" E	
Forêt des Mikea (1) (see also: Andalabezo cave, Andalambezo cave, Grotte d'Andalambezo, Mikea Forest (1))		22° 30' 00" S 43° 23' 00" E	15 m

Forêt des Mikea (2), 9.5 km W Ankiloaka (see also: Ankiloaka, 9.5 km W, Tsifota, 7.5 km NE)		22° 46' 42" S 43° 31' 24" E	80 m
Forêt des Mikea (3), 8.4 km SSE Befandefa (see also: Befandefa, 8.4 km SSE, Mikea forest (3))	ca.	22° 13' 56" S 43° 21' 50" E	
Fort Dauphin		25° 02' 00" S 47° 00' 00" E	
Fort-Dauphin (see Tolanaro)		25° 02' 00" S 47° 00' 00" E	20 m
Fort-Dauphin, 13 km NE (see Tolanaro, 13 km NE)		25° 01' 00" S 47° 00' 00" E	
Fort-Dauphin, 16 km NE (see Tolanaro, 13 km NE)		25° 01' 00" S 47° 00' 00" E	
Fort-Dauphin, 32 km NE (see Tolanaro, 32 km NE)		25° 02' 00" S 47° 00' 00" E	
Fort-Dauphin, 72 km N (see Bemangidy)		24° 24' 00" S 47° 00' 00" E	
Fort-Dauphin, 8 km NE (see Tanosy or Monotane forestry station)		24° 58' 40" S 47° 00' 00" E	
Fort-Dauphin, near	ca.	25° 02' 00" S 47° 00' 00" E	
Grotte d'Androimpano		24° 39' 01" S 43° 57' 48" E	110 m
Grotte d'Ambanilia, 3.7 km SSE Sarodrano (see also: Ambanilia cave, Sarodrano, 3.7 km SSE)		23° 32' 24" S 43° 46' 01" E	
Grotte d'Amdroimpano, 4.2 km NE Itampolo (village), on road to Ejeda (see also: Amdroimpano cave, Itampolo, 4.2 km NE, on old road to Ejeda)		24° 39' 01" S 43° 57' 48" E	110 m
Grotte d'Andalambezo (see Forêt des Mikea (1))		22° 30' 00" S 43° 23' 00" E	15 m
Grotte d'Androbaha (see Androbaha cave), on Onilahy river			
Grotte de Bishiko (see Grotte de Tanambao), 0.75 km E St. Augustin		23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Bisihiko (see Grotte de Tanambao)		23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Marondavenoka (see Marondavenoka, cave), 9.4 km N Tolagnaro, near the village of Enato		24° 53' 26" S 46° 59' 14" E	110 m
Grotte de Sarodrano (see Sarodrano cave)		23° 30' 37" S 43° 44' 07" E	
Grotte de Sarondrana (see Sarodrano cave)		23° 30' 37" S 43° 44' 07" E	
Grotte de Tanambao, 0.75 km E St. Augustin (see also: Bishiko cave, Bisihiko cave, Grotte de Bishiko, Grotte de Bisihiko, Saint-Augustin, 0.75 km E, St. Augustin, 0.75 km E, Tanambao cave)		23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Vintane (see Vintane cave)		24° 42' 08" S 43° 57' 49" E	
Grotte des chauves-souris/makis, near Hotel la Mangrove, on Toliara-St. Augustin road (see also: Bat/maki cave)		23° 28' 20" S 43° 46' 14" E	
Grottes de Saint-Augustin (see Saint-Augustin caves)		23° 33' 00" S 43° 46' 00" E	125 m
High Fanjahira, valley (see also: Evondro, Saka-Ivondro?)			
Ianantsony, 17 mi [=27 km] S Tulear (see also: Saint-Augustin)		23° 33' 00" S 43° 46' 00" E	125 m
Itampolo		24° 41' 00" S 43° 57' 00" E	28 m
Itampolo, 4.1 km SE (see Vintane cave)		24° 42' 08" S 43° 57' 49" E	
Itampolo, 4.2 km NE, on old road to Ejeda (see Grotte d'Amdroimpano)		24° 39' 01" S 43° 57' 48" E	110 m
Itapera Forest, ca. 21 km NW Tolagnaro (see also: Tolagnaro, ca. 21 km NW)		24° 52' 00" S 47° 07' 00" E	
Itapera, Pointe, ca. 21 km NW Tolagnaro (see also: Itaperina, Pointe, Pointe Itapera, Pointe Itaperina, Tapera, Lohatanjona, Tolagnaro, ca. 21 km NW)		24° 54' 00" S 47° 08' 00" E	10 m
Itaperina, Pointe (see Itapera, Pointe)		24° 54' 00" S 47° 08' 00" E	10 m
Itaranta, 20 km WNW Ranopiso (see also: Ranopiso, 20 km WNW)		25° 01' 00" S 46° 29' 00" E	67 m
Itaranta River, near (see also: Amboasary, 12 km ENE and Ranopiso, 20 km WNW, Ranopiso, 20 km WNW and Amboasary, 12 km ENE)		25° 05' 00" S 46° 28' 00" E	40 m
Kirindy forest (CNFEREF) (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Kirindy Mitea National Park (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Lac Tsimanampetsotsa (see Tsimanampetsotsa, lake)		24° 07' 00" S 43° 45' 00" E	
Lower Fiherenana Valley, near Ambovombe (see also: Ambovombe, near)	ca.	25° 10' 00" S 46° 05' 00" E	
Mahabo		20° 23' 00" S 44° 40' 00" E	57 m
Mahafaly	ca.	24° 30' 00" S 44° 30' 00" E	
Mamitantely (see Manantantely)		24° 59' 00" S 46° 55' 00" E	175 m
Manafiafy, 2 - 3 km NW (see Sainte-Luce Forest (1))		24° 47' 00" S 47° 12' 00" E	20 m
Manafiafy, 4 km SSE (see Sainte-Luce Forest (2))		24° 49' 00" S 47° 10' 00" E	20 m

Manahy, 0.75 km SW (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Manamabato (see Manambato)		24° 31' 00" S 47° 16' 00" E	25 m
Manambaro, 5 - km SE (see Petriky Forest)		25° 04' 01" S 46° 52' 59" E	20 m
Manambato (see also: Manamabato)		24° 31' 00" S 47° 16' 00" E	25 m
Manantanely Forest, 8 - 12 km WNW Tolagnaro (see also: Tolagnaro, 8 - 12 km WNW)		24° 59' 00" S 46° 54' 00" E	60 m
Manantantely (see also: Mamitantely)		24° 59' 00" S 46° 55' 00" E	175 m
Manantantely, falls, 5.2 km NW Tolagnaro (see also: Cascade de Manantantely, Tolagnaro, 5.2 km NW)		24° 59' 21" S 46° 55' 22" E	65 m
Manantenina		24° 17' 00" S 47° 19' 00" E	2 m
Manantenina, 14 km N by road, On road to Mararoy		24° 10' 01" S 47° 21' 00" E	
Mandena Forest		24° 58' 01" S 47° 01' 59" E	20 m
Mandromondromotra River (see Tolanaro, 13 km NE)		25° 01' 00" S 47° 00' 00" E	
Maninday, near	ca.	22° 47' 00" S 44° 48' 00" E	457 m
Marasohy Forest, 15 km WNW Ranomafana, near Tsitongatona River		24° 34' 01" S 46° 48' 00" E	350 m
Marine cave, between Sarodrano and Saint-Augustin, 20 km S Tuléar (see also: Tuléar, 20 km S)			
Marofandilia		20° 04' 03" S 44° 39' 29" E	
Marondavenoka, cave, 9.4 km N Tolagnaro, near the village of Enato (see also: Grotte de Marondavenoka, Tolagnaro, 9.4 km N)		24° 53' 26" S 46° 59' 14" E	110 m
Maroroy, 5.0 km N (by road)	ca.	24° 09' 00" S 47° 20' 00" E	
Maroroy, ca 9.2 km N (by road) (see Marovony Forest)		24° 08' 00" S 47° 22' 00" E	50 m
Marovony Forest (see also: Forêt de Marovony)		24° 04' 00" S 47° 20' 00" E	30 m
Marovony Forest, ca 9.2 km N (by road) Maroroy (see also: Maroroy, ca 9.2 km N (by road))		24° 08' 00" S 47° 22' 00" E	50 m
Miandrivazo		19° 31' 00" S 45° 28' 00" E	151 m
Miari, Between Soua-haze and Soua-hané [sic]			
Miary			
Mikea Forest (1) (see Forêt des Mikea (1))		22° 30' 00" S 43° 23' 00" E	15 m
Mikea forest (3) (see Forêt des Mikea (3))	ca.	22° 13' 56" S 43° 21' 50" E	
Morondava		20° 17' 00" S 44° 17' 00" E	1 m
Mozambique Channel at N end of St. Augustin Bay		23° 36' 00" S 43° 39' 00" E	
Nahampoana (see Ampasy Nahampoana)		24° 58' 00" S 46° 59' 00" E	63 m
Nahampoana Forest (see Ampasy Nahampoana Forest)	ca.	24° 58' 00" S 46° 59' 00" E	
near… St		23° 22' 00" S 43° 42' 00" E	
Parc National de Kirindy-Mitea (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Parc National de Tsimanampetsotsa (see Tsimanampetsotsa Nature Reserve)		24° 07' 00" S 43° 45' 00" E	
Efoetse, 6 km NE (see Grotte de Mitaho, près)		24° 02' 50" S 43° 45' 09" E	
Grotte de Mitaho, près, 6.5 km NE Efoetse (see also: Efoetse, 6 km NE, Mitaho cave, near)		24° 02' 50" S 43° 45' 09" E	
Mitaho cave, near (see Grotte de Mitaho, près)		24° 02' 50" S 43° 45' 09" E	
Parc National de Zombitse-Vhibasia (see Zombitse-Vhibasia National Park)		22° 50' 31" S 44° 40' 47" E	
Petriky Forest, 5 - 7 km SE Manambaro (see also: Manambaro, 5 - km SE)		25° 04' 01" S 46° 52' 59" E	20 m
Pointe Itapera (see Itapera, Pointe)		24° 54' 00" S 47° 08' 00" E	10 m
Pointe Itaperina (see Itapera, Pointe)		24° 54' 00" S 47° 08' 00" E	10 m
Port de Faux Cap (see Betanty)		25° 34' 00" S 45° 31' 00" E	34 m
Ranobe		23° 00' 34" S 43° 36' 34" E	
Ranomafana, 15 km WNW (see Ranomafana, 15 km WNW), near Tsitongatona River (see also: Ranomafana, 15 km WNW)		24° 34' 01" S 46° 48' 00" E	
Ranopiso, 20 km WNW (see Itaranta)		25° 01' 00" S 46° 29' 00" E	67 m
Ranopiso, 20 km WNW and Amboasary, 12 km ENE (see Itaranta River, near)		25° 05' 00" S 46° 28' 00" E	40 m
Ranopiso, ca 21 km NW (see Ankapoky)		24° 59' 00" S 46° 30' 00" E	50 m
Réserve Spéciale de la Kirindy (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Saint Vincent Cape (see Tanjona Ankaboa)		21° 52' 00" S 43° 20' 00" E	
Saint-Augustin (see Ianantsony)		23° 33' 00" S 43° 46' 00" E	125 m
Saint-Augustin caves (see also: Grottes de Saint-Augustin)		23° 33' 00" S 43° 46' 00" E	125 m
Saint-Augustin, 0.75 km E (see Grotte de Tanambao)		23° 32' 56" S 43° 46' 03" E	10 m
Sainte Augustin (see Rogez, near)		23° 33' 00" S 43° 46' 00" E	125 m

Sainte-Luce Forest (1), 2 - 3 km NW Manafiafy (see also: Manafiafy, 2 - 3 km NW)		24° 47' 00" S 47° 12' 00" E	20 m
Sainte-Luce Forest (2), 2 - 3 km NW Manafiafy (see also: Manafiafy, 4 km SSE)		24° 49' 00" S 47° 10' 00" E	20 m
Saka-Ivondro? (see High Fanjahira, valley)			
Sakaraha (see also: Sakaray)		22° 54' 00" S 44° 32' 00" E	468 m
Sakaraha subprefecture			
Toleara, 220 km NE (see Ilakaka, E of)		22° 41' 00" S 45° 13' 00" E	769 m
Tuléar, 220 km NE (see Ilakaka, E of)		22° 41' 00" S 45° 13' 00" E	769 m
Sakaray (see Sakaraha)		22° 54' 00" S 44° 32' 00" E	468 m
Sakhraha, sous-préfecture			
Maninday, 220 km NE Tulear (see also: Tulear, 220 km NE)		22° 47' 00" S 44° 48' 00" E	604 m
Tulear, 220 km NE (see Maninday)		22° 47' 00" S 44° 48' 00" E	604 m
Sarodrano		23° 30' 37" S 43° 44' 07" E	0 m
Sarodrano cave (see also: Grotte de Sarodrano, Grotte de Sarondrana, Sarondrana cave)		23° 30' 37" S 43° 44' 07" E	
Sarodrano, 3.7 km SSE (see Grotte d'Ambanilia)		23° 32' 24" S 43° 46' 01" E	
Sarondrana cave (see Sarodrano cave)		23° 30' 37" S 43° 44' 07" E	
Sept Lacs		23° 31' 15" S 44° 08' 35" E	ca. 110 m
St. Augustin, 0.75 km E (see Grotte de Tanambao)		23° 32' 56" S 43° 46' 03" E	10 m
Tabulayi to Ankazoabo	ca.	23° 30' 00" S 44° 30' 00" E	
Tahiry Manokan' i Kirindy (see also: Forêt de Kirindy, Kirindy forest (CNFEREF), Kirindy Mitea National Park, Manahy, 0.75 km SW, Parc National de Kirindy-Mitea, Réserve Spéciale de la Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Tanambao cave (see Grotte de Tanambao), 0.75 km E St Augustin		23° 32' 56" S 43° 46' 03" E	10 m
Tanjona Andefitra (see Tanjona Ankaboa)		21° 52' 00" S 43° 20' 00" E	
Tanjona Ankaboa (see also: Cap Saint Vincent, Cape Saint Vincent, Saint Vincent Cape, Tanjona Andefitra)		21° 52' 00" S 43° 20' 00" E	
Tanjona Ankaboa, near (see also: Cape Saint Vincent, near)	ca.	21° 52' 00" S 43° 20' 00" E	
Tanosy or Monotane forestry station, 8 km NE Fort-Dauphin (see also: Fort-Dauphin, 8 km NE, Tolanaro, 8 km NE)		24° 58' 40" S 47° 00' 00" E	
Taolanara (see Tolanaro)		25° 02' 00" S 47° 00' 00" E	0 m
Tapera, Lohatanjona (see Itapera, Pointe)		24° 54' 00" S 47° 08' 00" E	10 m
Tisihombe (see Tsiombe)		25° 18' 00" S 45° 29' 00" E	63 m
Tôlagnaro		25° 02' 00" S 47° 00' 00" E	0 m
Tolagnaro, 2 km WNW		25° 01' 01" S 46° 58' 59" E	20 m
Tolagnaro, 5.2 km NW (see Manantantely, falls)		24° 59' 21" S 46° 55' 22" E	65 m
Tolagnaro, 7 km NNW (see Ampasy Nahampoana)		24° 58' 00" S 46° 59' 00" E	63 m
Tolagnaro, 8 - 12 km WNW (see Manantanely Forest)		24° 59' 00" S 46° 54' 00" E	
Tolagnaro, 9.4 km N (see Marondavenoka, cave), near the village of Enato		24° 53' 26" S 46° 59' 14" E	110 m
Tolagnaro, ca. 21 km NW (see Itapera, Pointe)		24° 54' 00" S 47° 08' 00" E	10 m
Tolagnaro, ca. 21 km NW (see Itapera Forest)		24° 52' 00" S 47° 07' 00" E	
Tôla?aro (see Tolanaro)		25° 02' 00" S 47° 00' 00" E	20 m
Tolanaro (see also: Faradofay, Fort-Dauphin, Taolanara, Tôla?aro, Tolanaro)		25° 02' 00" S 47° 00' 00" E	20 m
Tolanaro (see Tolanaro)		25° 02' 00" S 47° 00' 00" E	0 m
Tolanaro, 13 km NE (see also: Fort-Dauphin, 13 km NE, Fort-Dauphin, 16 km NE, Mandromondromotra River)		25° 01' 00" S 47° 00' 00" E	
Tolanaro, 16 km NE		25° 01' 00" S 47° 00' 00" E	
Tolanaro, 32 km NE (see also: Fort-Dauphin, 32 km NE)		25° 02' 00" S 47° 00' 00" E	
Tolanaro, 72 km N (see Bemangidy)		24° 24' 00" S 47° 00' 00" E	
Tolanaro, 8 km NE (see Tanosy or Monotane forestry station)		24° 58' 40" S 47° 00' 00" E	
Tolanaro, near	ca.	25° 02' 00" S 47° 00' 00" E	
Toliara (see also: Toliary, Tuléar, Tullear)		23° 21' 00" S 43° 40' 00" E	20 m
Andranovory forest		22° 59' 00" S 44° 32' 00" E	1647 ft
Toliara, E of	ca.	23° 21' 00" S 43° 40' 00" E	
Toliary (see Toliara)		23° 21' 00" S 43° 40' 00" E	20 m
Tranoroa, on the Menarandra River		24° 42' 00" S 45° 04' 00" E	223 m
Tsifota, 7.5 km NE (see Forêt des Mikea (2))		22° 46' 42" S 43° 31' 24" E	80 m
Tsihombe (see Tsiombe)		25° 18' 00" S 45° 29' 00" E	63 m

Tsimafana		19° 43' 25" S 44° 35' 04" E	
Tsimanampetsotsa Nature Reserve		24° 07' 00" S 43° 45' 00" E	
(see also: Parc National de Tsimanampetsotsa)			
Andranoilovy cave		24° 03' 00" S 43° 45' 00" E	
(see also: Grotte d'Andranoilovy)			
Grotte d'Andranoilovy (see Andranoilovy cave)		24° 03' 00" S 43° 45' 00" E	
Tsimanampetsotsa, lake		24° 07' 00" S 43° 45' 00" E	
(see also: Farihy Tsimanampetsotsa, Lac Tsimanampetsotsa)			
Tsimilafo		24° 58' 00" S 45° 10' 00" E	210 m
Tsimilofo		24° 58' 00" S 45° 10' 00" E	210 m
Tsiombe		25° 18' 00" S 45° 29' 00" E	63 m
(see also: Tisihombe, Tsihombe, Tsiombe-Androy)			
Tsiombe-Androy (see Tsiombe)		25° 18' 00" S 45° 29' 00" E	63 m
Tsiribihina River		19° 53' 00" S 44° 26' 57" E	
Tuléar (see Toliara)		23° 21' 00" S 43° 40' 00" E	20 m
Tuléar airport		23° 23' 00" S 43° 43' 00" E	
Tulear, 17 mi [=27 km] S (see Rogez, near)		23° 33' 00" S 43° 46' 00" E	125 m
Tuléar, 20 km S (see Marine cave, between Sarodrano and Saint-Augustin)			
Tullear (see Toliara)		23° 21' 00" S 43° 40' 00" E	20 m
Vintane cave, 4.1 km SE Itampolo		24° 42' 08" S 43° 57' 49" E	
(see also: Grotte de Vintane, Itampolo, 4.1 km SE, Vintani)			
Vintani (see Vintane cave)		24° 42' 08" S 43° 57' 49" E	
Zombitse-Vhibasia National Park		22° 50' 31" S 44° 40' 47" E	
(see also: Parc National de Zombitse-Vhibasia)			
Zombitsy forest		22° 47' 00" S 44° 42' 00" E	
(see also: Forêt de Zombitsy, Zombitsy, Alan'i)			
Zombitsy, Alan'i (see Zombitsy forest)		22° 47' 00" S 44° 42' 00" E	
ToliaPC:TL|)			
Tsiroanomandidy			
TuleaPC:TL|)			
Tulear region	ca.	23° 21' 00" S 43° 40' 00" E	
Tulear, 80 km E			
West Coast			
Western Madagascar			
Madeira (Portugal)		32° 44' 00" N 17° 00' 00" W	
Funchal		32° 39' 23" N 16° 54' 28" W	
Madeira Island		32° 44' 00" N 17° 00' 00" W	
Mafouta			
Mahi Adar des Ifothas, 40 km NE Anef, on Kidal Road (possibly in Mali rather than in Ghana ????)			
Malawi			
Balaka, 20 km N (on road to Salima)	ca.	14° 51' 22" S 34° 52' 26" E	
Bangweolo and Lake Nyasa, between			
Central (former) region			
Dedza district		14° 15' 46" S 34° 11' 08" E	
Chongoni Forest Reserve		14° 18' 07" S 34° 13' 22" E	
Dowa district			
Kasungu district			
Kasungu Game Reserve (see Kasungu National Park)		12° 55' 00" S 33° 07' 00" E	1000 m
Kasungu National Park		12° 55' 00" S 33° 07' 00" E	1000 m
(see also: Kasungu Game Reserve)			
Administration Camp		12° 55' 00" S 33° 07' 00" E	1000 m
Lifupa Camp		13° 03' 00" S 33° 09' 00" E	1050 m
(see also: Lifupa Game Camp)			
Lifupa Game Camp (see Lifupa Camp)		13° 03' 00" S 33° 09' 00" E	1050 m
Lingadzi River Valley		13° 00' 00" S 33° 09' 00" E	1050 m
Lisanthu		13° 00' 00" S 33° 10' 00" E	1000 m
Lisanthu, 15 mi [=24 km] NE, rocky outcrop		12° 53' 00" S 33° 03' 00" E	ca. 1100 m
Vitanda		12° 57' 00" S 33° 10' 00" E	1000 m
KotaPC:NK|)	ca.	12° 48' 15" S 34° 04' 59" E	
Lilongwe district			
Bat Mountain (see Mbalame, mountain)		14° 09' 00" S 33° 53' 00" E	
Dzalanyama Forest Reserve, Rest House		14° 15' 00" S 33° 25' 00" E	
Lilongwe		13° 59' 00" S 33° 47' 00" E	1024 m
Lilongwe, 50 km E on Salima Road	ca.	13° 46' 17" S 34° 00' 27" E	
Mbalame, mountain, S of Lilongwe		14° 09' 00" S 33° 53' 00" E	
(see also: Bat Mountain)			
Mchinji distict			
MkhotPC:NK|)	ca.	12° 48' 15" S 34° 04' 59" E	
(see also: Ampijoara Forest)			

Nkhotakota district	ca.	12° 48' 15" S 34° 04' 59" E	
(see also: Kota Kota district |PC:NK|, Mkhotakota district |PC:NK|)			
Kota Kota (see Nkhotakota), W Lake Nyasa		12° 55' 00" S 34° 18' 00" E	471 m
Kota-Kota (see Nkhotakota)		12° 55' 00" S 34° 18' 00" E	471 m
Nkhotakota		12° 55' 00" S 34° 18' 00" E	471 m
(see also: Kota Kota, Kota-Kota, Nkhota-Kota)			
Nkhota-Kota (see Nkhotakota)		12° 55' 00" S 34° 18' 00" E	471 m
Nkhotakota Game Reserve		13° 04' 12" S 33° 55' 48" E	
Bua Camp, Guard houses		12° 49' 00" S 34° 10' 00" E	600 m
Chipata Camp		13° 04' 00" S 33° 55' 00" E	1350 m
(see also: Chipata Hill)			
Chipata Hill (see Chipata Camp)		13° 04' 00" S 33° 55' 00" E	1350 m
Ntcheu district			
Kabango village banana plantation		14° 46' 00" S 34° 38' 00" E	
Ncheu (see Ntcheu), district HQ		14° 49' 00" S 34° 38' 00" E	1081 m
Nitcheu (see Ntcheu), district HQ		14° 49' 00" S 34° 38' 00" E	1081 m
Ntcheu, district HQ		14° 49' 00" S 34° 38' 00" E	1081 m
(see also: Ncheu, Nitcheu)			
Ntchisi district			
Nchisi Forest Reserve (see Ntchisi Forest Reserve)		13° 19' 00" S 34° 03' 00" E	
Nchisi, mount		13° 22' 00" S 34° 01' 00" E	4500 ft
Ntchisi Forest Guesthouse (see Ntchisi Forestry Resthouse)		13° 23' 00" S 34° 00' 00" E	1500 m
Ntchisi Forest Reserve		13° 19' 00" S 34° 03' 00" E	
(see also: Nchisi Forest Reserve)			
Ntchisi Forestry Resthouse		13° 23' 00" S 34° 00' 00" E	1500 m
(see also: Ntchisi Forest Guesthouse)			
Ntchisi, mount		13° 22' 00" S 34° 01' 00" E	4500 ft
Salima district			
Cape Maclear		14° 01' 00" S 34° 51' 00" E	562 m
Chitala		13° 40' 00" S 34° 16' 00" E	608 m
(see also: Chitale)			
Chitala River		13° 35' 39" S 34° 26' 23" E	1900 ft
Chitale (see Chitala)		13° 40' 00" S 34° 16' 00" E	608 m
Domwe island			
Golden Sands Camp, Cape Maclear; on N side of Domwe Island		13° 58' 05" S 34° 49' 15" E	480 m
Salima-Senga Bay		13° 43' 00" S 34° 38' 00" E	475 m
Livingstonia Beach (hotel)		13° 43' 00" S 34° 37' 00" E	480 m
Chipanzi			
Manyowa Hill			
(see also: Mitsidi)			
Mitsidi (see Manyowa Hill)			
Mpherere Mission (see Visanza Mission), near Ndaja		13° 22' 10" S 33° 55' 21" E	
Mulanje and Blantyre, road between	ca.	15° 52' 35" S 35° 15' 52" E	
Mvaza Marsh Game Park, Tented camp		10° 53' 00" S 33° 27' 00" E	
Nkhotakota GR		13° 04' 12" S 33° 55' 48" E	
Northern (former) region			
Chinunka, 1.6 km SE		9° 39' 28" S 33° 22' 32" E	1210 m
Chitipa district			
Chipita (see Chitipa)		9° 43' 00" S 33° 16' 00" E	1242 m
Chitipa		9° 43' 00" S 33° 16' 00" E	1242 m
(see also: Chipita, Chitipa Township, Fort Hill)			
Kamisa banana plantation, near Chitipa, Vilyaga village		9° 42' 00" S 33° 17' 00" E	
(see also: Kamisa, Vilyaga village)			
Kamisa, Vilyaga village (see Kamisa banana plantation), near Chitipa		9° 42' 00" S 33° 17' 00" E	
Chitipa Township (see Chitipa)		9° 43' 00" S 33° 16' 00" E	1242 m
Fort Hill (see Chitipa)		9° 43' 00" S 33° 16' 00" E	1242 m
Ibanda, Mtambo village		9° 43' 32" S 33° 24' 27" E	
Jailosi Nyondo banana plantation		9° 35' 00" S 33° 14' 00" E	
Mbirima banana plantation, near Chitipa		9° 31' 00" S 33° 10' 00" E	
Misuku Hills		9° 40' 00" S 33° 33' 00" E	
Misuku Mission		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
(see also: Misuku-Mughese Mission, Mzedi Mission and School)			
Misuku-Mughese Mission (see Misuku Mission)		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
Mughese Forest		9° 39' 18" S 33° 32' 19" E	1625 m
Mwalingo		9° 40' 12" S 33° 31' 58" E	1460 m
Mzedi Mission and School (see Misuku Mission)		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
Mugesse Hill		9° 39' 00" S 33° 33' 00" E	1500 m
Mwakalukwa banana plantation, Misuku hills, near Chitipa		9° 40' 00" S 33° 35' 00" E	
Mwenekapoka banana plantation, near Chitipa		9° 46' 00" S 33° 29' 00" E	

Karonga district			
Kafikisira village		9° 56' 00" S 33° 53' 00" E	
Karonga		9° 56' 00" S 33° 56' 00" E	477 m
(see also: Karonga Beach)			
Karonga Beach (see Karonga)		9° 56' 00" S 33° 56' 00" E	477 m
Karonga, 10 km W, Between Lupaso and Mwawemba, on road to Chitipa		9° 57' 01" S 33° 50' 12" E	1000 m
Kondowe (see Livingstonia)		10° 36' 22" S 34° 06' 23" E	1276 m
Livingstonia		10° 36' 22" S 34° 06' 23" E	1276 m
(see also: Kondowe, Livingstonia Mission)			
Livingstonia Mission (see Livingstonia)		10° 36' 22" S 34° 06' 23" E	1276 m
Malema (Camp)		10° 01' 39" S 33° 56' 50" E	
Mwamyesya banana plantation		9° 56' 00" S 33° 48' 00" E	
Mwandwanga banana plantation		9° 55' 00" S 33° 52' 00" E	
Wilindi Forest		9° 42' 00" S 33° 29' 00" E	1900 m
Lake Malawi (see Nyasa, lake)		12° 00' 00" S 34° 30' 00" E	1500 ft
Lake Nyasa (see Nyasa, lake)		12° 00' 00" S 34° 30' 00" E	1500 ft
Likoma district			
Malawi, lake (see Nyasa, lake)		12° 00' 00" S 34° 30' 00" E	1500 ft
Matipa-Wilindi Ridge	ca.	9° 39' 00" S 33° 26' 00" E	
Mondwe Valley		10° 24' 00" S 33° 50' 00" E	1700 m
Mzimba district			
Mwaya, lake Nyasa		12° 28' 00" S 33° 43' 00" E	1228 m
Viphya Plateau		12° 22' 48" S 33° 42' 00" E	
Luwawa Dam		12° 07' 00" S 33° 44' 00" E	1700 m
Nkhata Bay district			
Chinteche (see Chintheche)		11° 50' 00" S 34° 10' 00" E	482 m
Chintechi (see Chintheche)		11° 50' 00" S 34° 10' 00" E	482 m
Chinteji (see Chintheche)		11° 50' 00" S 34° 10' 00" E	482 m
Chintheche		11° 50' 00" S 34° 10' 00" E	482 m
(see also: Chinteche, Chintechi, Chinteji)			
Nkata (see Nkhata Bay), Doctors house		11° 36' 00" S 34° 18' 00" E	471 m
Nkata Bay (see Nkhata Bay), Doctors house		11° 36' 00" S 34° 18' 00" E	471 m
Nkhata Bay, Doctors house		11° 36' 00" S 34° 18' 00" E	471 m
(see also: Nkata, Nkata Bay, Nkhota Bay)			
Nkhota Bay (see Nkhata Bay)		11° 36' 00" S 34° 18' 00" E	471 m
Nyasa, lake		12° 00' 00" S 34° 30' 00" E	1500 m
(see also: Lake Malawi, Lake Nyasa, Malawi, lake)			
Rumphi district			
Luzi banana plantation, near Rumphi?		11° 49' 00" S 34° 02' 00" E	
Mzokoto banana plantation		11° 51' 00" S 34° 00' 00" E	
Nyika National Park			
Chelinda		10° 35' 00" S 33° 48' 00" E	2300 m
(see also: Chilinda Camp)			
Chilinda Camp (see Chelinda)		10° 35' 00" S 33° 48' 00" E	2300 m
Chilinda dam		10° 35' 18" S 33° 48' 40" E	
Chilinda dam 2, below		10° 34' 50" S 33° 48' 29" E	
Kaulime, lake (see Lake Kaulime)		10° 34' 38" S 33° 45' 35" E	2350 m
Lake Kaulime		10° 34' 38" S 33° 45' 35" E	2350 m
(see also: Kaulime, lake)			
Nganda, E slope of mount		10° 27' 00" S 33° 52' 00" E	2300 m
Zovo Chipolo Forest		10° 34' 51" S 33° 42' 46" E	2230 m
Nyika-Jallawe valley			
Rumphi		11° 01' 10" S 33° 51' 17" E	1276 m
(see also: Rumpi, Rumpi Boma)			
Rumpi (see Rumphi)		11° 01' 10" S 33° 51' 17" E	1276 m
Rumpi Boma (see Rumphi)		11° 01' 10" S 33° 51' 17" E	1276 m
Nyasa			
Rwosho River			
Southern (former) region			
Balaka district	ca.	15° 00' 00" S 35° 00' 00" E	
Blantyre and Zomba, between	ca.	15° 31' 00" S 35° 12' 00" E	
Blantyre district			
Blantyre		15° 47' 00" S 35° 00' 00" E	1065 m
(see also: Kapeni)			
Chileka		15° 41' 00" S 34° 56' 00" E	
Kapeni (see Blantyre)		15° 47' 00" S 35° 00' 00" E	1065 m
Mandala		15° 47' 00" S 34° 59' 00" E	997 m
Sunnyside Suburb		15° 48' 00" S 35° 00' 00" E	1088 m
Chikwawa district			
Chikwawa		16° 03' 00" S 34° 48' 00" E	94 m
Lengwe Game Reserve (see Lengwe National Park)		16° 15' 00" S 34° 45' 00" E	
Lengwe National Park		16° 15' 00" S 34° 45' 00" E	
(see also: Lengwe Game Reserve)			

Camp Chikwawa (see also: Chikwawa camp)		16° 13' 00" S 34° 44' 00" E	
Chikwawa camp (see Camp Chikwawa)		16° 13' 00" S 34° 44' 00" E	
Tourist Camp, 3 km W, near pool along link road		16° 14' 00" S 34° 35' 00" E	
Lumenda, near Lengwe National Park (see also: Lumenda village)		16° 18' 00" S 34° 40' 00" E	
Lumenda village (see Lumenda)		16° 18' 00" S 34° 40' 00" E	
Nchalo		16° 16' 00" S 34° 55' 00" E	52 m
Sucoma, Nchalo		16° 14' 00" S 34° 53' 00" E	
Chiradzulu district			
Kapina Estates		15° 31' 12" S 35° 10' 48" E	
Kausi, Lake Malombe	ca.	14° 38' 00" S 35° 15' 00" E	
Machinga district			
Likwenu river		15° 01' 00" S 35° 14' 00" E	
Liwonde (see also: Old Liwonde Boma)		15° 04' 00" S 35° 13' 00" E	507 m
Liwonde Forest Reserve (see also: Liwonde National Park)		14° 52' 00" S 35° 21' 00" E	700 m
Chinguni Resthouse		15° 02' 00" S 35° 16' 00" E	
Headquaters		15° 03' 00" S 35° 15' 00" E	
Mvuu Camp		14° 51' 04" S 35° 17' 43" E	480 m
Liwonde National Park (see Liwonde Forest Reserve)		14° 52' 00" S 35° 21' 00" E	700 m
Liwonde National Park, Headquarters		15° 02' 18" S 35° 15' 16" E	
Old Liwonde Boma (see Liwonde)		15° 04' 00" S 35° 13' 00" E	507 m
Mangochi district			
Fort Johns(ton), 5 mi [=8 km] below (see Ufudu village)	ca.	14° 28' 00" S 35° 16' 00" E	
Fort Johnston (see Mangochi), District HQ		14° 28' 00" S 35° 16' 00" E	469 m
Kwitunji Camp		14° 12' 11" S 35° 22' 32" E	
Lusumbwe (see Monkey Bay)		14° 05' 00" S 34° 55' 00" E	496 m
Mangoche (see Mangochi), District HQ		14° 28' 00" S 35° 16' 00" E	469 m
Mangochi, District HQ (see also: Fort Johnston, Mangoche, Mponda)		14° 28' 00" S 35° 16' 00" E	469 m
Mangochi Hill (see also: Mangochi mountatin)		14° 28' 00" S 35° 29' 00" E	
Mangochi mountatin (see Mangochi Hill)		14° 28' 00" S 35° 29' 00" E	
Mangochi, 5 mi [=8 km] below (see Ufudu village)	ca.	14° 28' 00" S 35° 16' 00" E	
Monkey Bay (see also: Lusumbwe)		14° 05' 00" S 34° 55' 00" E	496 m
Monkey Bay, 4 - 5 km from, on road from Monkey Bay to Mtakataka	ca.	14° 07' 00" S 34° 53' 00" E	
Mponda (see Mangochi), District HQ		14° 28' 00" S 35° 16' 00" E	469 m
Mwenyama village, near Mangochi		14° 29' 00" S 35° 16' 00" E	
Namaso (see also: Namazo Bay)		14° 10' 00" S 34° 59' 00" E	522 m
Namazo Bay (see Namaso)		14° 10' 00" S 34° 59' 00" E	522 m
Namizimu Forest Reserve		14° 11' 20" S 35° 22' 49" E	
Somba		14° 39' 00" S 35° 32' 00" E	844 m
Tembuka		14° 28' 00" S 35° 16' 00" E	
Ufudu village, 5 mi [=8 km] below Fort Johns(ton) (see also: Fort Johns(ton), 5 mi [=8 km] below, Mangochi, 5 mi [=8 km] below)	ca.	14° 28' 00" S 35° 16' 00" E	
Mulanje district			
Likabula (see Likabula Tea Factory)		15° 58' 00" S 35° 29' 00" E	760 m
Likabula river		16° 01' 00" S 34° 47' 00" E	1200 m
Likabula Tea Factory (see also: Likabula, Likhubula Camp)		15° 58' 00" S 35° 29' 00" E	760 m
Likhubula Camp (see Likabula Tea Factory)		15° 58' 00" S 35° 29' 00" E	760 m
Likhubula Camp, 1.5 km E		15° 56' 17" S 35° 30' 50" E	1090 m
Lujeri Tea Estate, Mulanje Forest Res, edge Lujeri Tea Estate, next to Ruo River		15° 57' 42" S 35° 39' 15" E	1000 m
Mlange (see Mulanje), District HQ		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje (see Mulanje), District HQ		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje Boima (see Mulanje), District HQ		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje Mountain (see Mulanje mountains)		15° 58' 00" S 35° 38' 00" E	4000 ft
Mlanje Plateau (see Mulanje mountains)		15° 58' 00" S 35° 38' 00" E	4000 ft
Mount Mulanje (see Mulanje, mount)		15° 55' 12" S 35° 40' 12" E	1200 m
Mulanje, District HQ (see also: Mlange, Mlanje, Mlanje Boima)		16° 02' 00" S 35° 30' 00" E	644 m
Mulanje Mountain Conservation Trust (MMCT) office, base of moutain	ca.	15° 55' 00" S 35° 40' 00" E	650 m
Mulanje mountains (see also: Mlanje Mountain, Mlanje Plateau, Mulanje Plateau)		15° 58' 00" S 35° 38' 00" E	4000 ft
Mulanje Plateau (see Mulanje mountains)		15° 58' 00" S 35° 38' 00" E	4000 ft

Mulanje, mount (see also: Mount Mulanje)		15° 55' 12" S 35° 40' 12" E	1200 m
Likabula mission		15° 57' 00" S 35° 24' 00" E	
Madzeka hut	ca.	15° 55' 00" S 35° 40' 00" E	
Tinyade Estate		15° 51' 34" S 35° 35' 25" E	815 m
Mulanje-Chitakali	ca.	16° 02' 00" S 35° 30' 00" E	
Mwanza district			
Neno district			
Nsanje district			
Bangula swamp, 4 km SW Chiromo (see also: Chiromo, 4 km SW)		16° 35' 00" S 35° 07' 00" E	
Chimombi (see Nsanje), District HQ		16° 55' 00" S 35° 16' 00" E	14 m
Chiromo, confluence of Ruo and Shire rivers, Nsanje		16° 33' 00" S 35° 08' 00" E	42 m
Chiromo, 4 km SW (see Bangula swamp)		16° 35' 00" S 35° 07' 00" E	
Chiromo, mount (see also: Mount Chiromo)	ca.	16° 32' 00" S 35° 09' 00" E	200 ft
Mount Chiromo (see Chiromo, mount)	ca.	16° 32' 00" S 35° 09' 00" E	200 ft
Muona Mission		16° 25' 00" S 35° 10' 00" E	100 m
Mwabvi Rest Camp		16° 39' 23" S 35° 03' 06" E	
Nsanje, District HQ (see also: Chimombi, Port Herald)		16° 55' 00" S 35° 16' 00" E	14 m
Port Herald (see Nsanje), District HQ		16° 55' 00" S 35° 16' 00" E	14 m
South of Lake Nyassa, left bank of Zambezi River	ca.	17° 07' 00" S 35° 06' 00" E	
Phalombe district			
Thyolo district			
Cholo (see Thyolo), on Ruo River		16° 04' 00" S 35° 08' 00" E	905 m
Cholo, mount (see Thyolo, mount)		16° 05' 00" S 35° 09' 00" E	4000 ft
Magombe and Satemwa Tea Estates (see Thyolo, mount)		16° 05' 00" S 35° 09' 00" E	
Mitondo (see also: Mtondo)		16° 17' 00" S 35° 04' 00" E	317 m
Mount Thyolo (see Thyolo, mount), Magombe and Satemwa Tea Estates		16° 05' 00" S 35° 09' 00" E	
Mtondo (see Mitondo)		16° 17' 00" S 35° 04' 00" E	317 m
Shire river, upper		16° 00' 00" S 35° 00' 00" E	
Thyolo, on Ruo River (see also: Cholo)		16° 04' 00" S 35° 08' 00" E	905 m
Thyolo, mount, Magombe and Satemwa Tea Estates (see also: Cholo, mount, Magombe and Satemwa Tea Estates, Mount Thyolo)		16° 05' 00" S 35° 09' 00" E	4000 ft
Zoa Estate (see Zoa Tea Estate)		16° 07' 48" S 35° 06' 00" E	
Zoa Tea Estate (see also: Zoa Estate)		16° 14' 00" S 35° 12' 00" E	800 m
Upper Shire River		16° 00' 47" S 35° 04' 37" E	
Zomba district			
Chimpeni Estate (see Chipeni Farm), Old Farmhouse		15° 24' 00" S 35° 25' 00" E	750 m
Chimpini Farm (see Mpyupyu Prison Farm)		15° 22' 00" S 35° 27' 00" E	717 m
Chipeni Farm (see also: Chimpeni Estate)		15° 24' 00" S 35° 25' 00" E	750 m
Kalimbuka		15° 23' 00" S 35° 19' 00" E	
Kapalasa Farm, 3 km N Namadzi village		15° 31' 00" S 35° 11' 00" E	1000 m
Kapino dam, Kapina Estates		15° 31' 00" S 35° 11' 00" E	1000 m
Malosa		15° 12' 00" S 35° 20' 00" E	900 m
Mpalanganga Dam		15° 27' 00" S 35° 15' 00" E	1100 m
Mpalanganga Estate		15° 27' 00" S 35° 14' 00" E	
Mpyupyu Prison Farm, 12 km E Zomba (see also: Chimpini Farm)		15° 22' 00" S 35° 27' 00" E	717 m
Namadzi village, 3 km N		15° 38' 00" S 35° 10' 00" E	1027 m
Ntondwe (see Thondwe)		15° 30' 00" S 35° 27' 00" E	678 m
Ntondwe Market (see Thondwe)		15° 30' 00" S 35° 27' 00" E	678 m
Thondwe (see also: Ntondwe, Ntondwe Market)		15° 30' 00" S 35° 27' 00" E	678 m
Zomba (see also: Zomba town)		15° 23' 00" S 35° 20' 00" E	848 m
Mulunguzi Road, 10		15° 23' 00" S 35° 20' 00" E	900 m
Zomba Plateau, Shire highlands		15° 22' 00" S 35° 19' 00" E	5000 ft
Chagwa dam		15° 21' 00" S 35° 20' 00" E	
Chingwe's Hole		15° 20' 00" S 35° 16' 00" E	1800 m
Mulunguzi Dam (see also: Trout Ponds)		15° 22' 00" S 35° 19' 00" E	
Trout Ponds (see Mulunguzi Dam)		15° 22' 00" S 35° 19' 00" E	
Zomba plateau, foot of, Zomba, 4 km N		15° 20' 00" S 35° 18' 00" E	
Zomba town (see Zomba)		15° 23' 00" S 35° 20' 00" E	848 m
Visanza Mission, near Ndaja (see also: Mpherere Mission)		13° 22' 10" S 33° 55' 21" E	
Maldachi			

Maldive Islands			
Atholhu (see Maale Atholhu Uthuruburi)		4° 25' 00" N 73° 30' 00" E	
Maale Atholhu Uthuruburi		4° 25' 00" N 73° 30' 00" E	
(see also: Atholhu, Maale Atoll, Male Atoll, North Male, North Male Atoll)			
Maale Atoll (see Maale Atholhu Uthuruburi)		4° 25' 00" N 73° 30' 00" E	
Male Atoll (see Maale Atholhu Uthuruburi)		4° 25' 00" N 73° 30' 00" E	
North Male (see Maale Atholhu Uthuruburi)		4° 25' 00" N 73° 30' 00" E	
North Male Atoll (see Maale Atholhu Uthuruburi)		4° 25' 00" N 73° 30' 00" E	
Mali			
Bamako district			
Bamako		12° 39' 00" N 8° 00' 00" W	349 m
(see also: Bamaku, Bammaco, Bammako)			
Badalabougou		12° 37' 25" N 7° 59' 02" W	311 m
(see also: Badalabougou, quarter, Quartier de Badalabougou)			
Badalabougou, quarter (see Badalabougou)		12° 37' 25" N 7° 59' 02" W	311 m
Grotte de Ticufales ou Tieufola (see Ticufales or Tieufola cave)	ca.	12° 39' 00" N 8° 00' 00" W	
Quartier de Badalabougou (see Badalabougou)		12° 37' 25" N 7° 59' 02" W	311 m
Ticufales or Tieufola cave	ca.	12° 39' 00" N 8° 00' 00" W	
(see also: Grotte de Ticufales ou Tieufola)			
Bamako, 7 km E (see Sotouba)		12° 39' 48" N 7° 54' 50" W	328 m
Bamako, near	ca.	12° 39' 00" N 8° 00' 00" W	349 m
Bamaku (see Bamako)		12° 39' 00" N 8° 00' 00" W	349 m
Bammaco (see Bamako)		12° 39' 00" N 8° 00' 00" W	349 m
Bammako (see Bamako)		12° 39' 00" N 8° 00' 00" W	349 m
Sotouba, 7 km E Bamako		12° 39' 48" N 7° 54' 50" W	328 m
(see also: Bamako, 7 km E, Sotuba)			
Sotuba (see Sotouba), 7 km E Bamako		12° 39' 48" N 7° 54' 50" W	328 m
Bourem			
Gao region			
Ménaka		15° 55' 06" N 2° 24' 08" E	
Kayes region			
Kenieba circle			
Falea		12° 15' 51" N 11° 16' 38" W	459 m
Kidal region			
Adrar (see Adrar des Ifôghas)		20° 00' 00" N 2° 00' 00" E	
Adrar des Ifôghas		20° 00' 00" N 2° 00' 00" E	
(see also: Adrar, Adrar des Iforas, Adrar des Iforhas, Adrar des Iforras)			
Adrar des Iforas (see Adrar des Ifôghas)		20° 00' 00" N 2° 00' 00" E	
Adrar des Iforhas (see Adrar des Ifôghas)		20° 00' 00" N 2° 00' 00" E	
Adrar des Iforras (see Adrar des Ifôghas)		20° 00' 00" N 2° 00' 00" E	
Ibdakane valley (see Ibdekkene valley), 30 km N Kidal	ca.	18° 45' 00" N 1° 25' 00" E	
Ibdekène valley (see Ibdekkene valley), 30 km N Kidal	ca.	18° 45' 00" N 1° 25' 00" E	
Ibdekkene valley	ca.	18° 45' 00" N 1° 25' 00" E	
(see also: Ibdakane valley, Ibdekène valley, Kidal, 30 km N, Oued Ibdeken, Oued Ibdekken, Vallée de l'Ibdekène)			
Kidal, 30 km N (see Ibdekkene valley)	ca.	18° 45' 00" N 1° 25' 00" E	
Oued Ibdeken (see Ibdekkene valley), 30 km N Kidal	ca.	18° 45' 00" N 1° 25' 00" E	
Oued Ibdekken (see Ibdekkene valley), 30 km N Kidal	ca.	18° 45' 00" N 1° 25' 00" E	
Vallée de l'Ibdekène (see Ibdekkene valley)	ca.	18° 45' 00" N 1° 25' 00" E	
Koulikoro region			
Bamako, 15 km E		12° 41' 12" N 7° 51' 50" W	331 m
Danfina (see Samaya)		12° 32' 58" N 8° 03' 19" W	299 m
Mandingues Mountains Reserve	ca.	12° 30' 32" N 8° 39' 20" W	
Maribabougou, 15 km E Bamako		12° 41' 12" N 7° 51' 50" W	331 m
Moribabougou, 15 km E Bamako		12° 41' 12" N 7° 51' 50" W	331 m
Réserve des monts Mandingues (see Kik plateau cave)	ca.	12° 30' 32" N 8° 39' 20" W	
Samaya		12° 32' 58" N 8° 03' 19" W	299 m
(see also: Danfina)			
Ménaka region			
Mopti region			
Dialagou		14° 32' 02" N 4° 07' 57" W	271 m
Djenne (see Djenné)		13° 54' 16" N 4° 33' 36" W	273 m
Djenné		13° 54' 16" N 4° 33' 36" W	273 m
(see also: Djenne, Djénne)			
Djénne (see Djenné)		13° 54' 16" N 4° 33' 36" W	273 m
Dogon country	ca.	13° 40' 53" N 3° 37' 04" W	
Mopti, on Niger river		14° 30' 00" N 4° 12' 00" W	275 m
Toguéré-Coumbé (see Toguéré-Koumbé)		14° 55' 01" N 4° 35' 41" W	268 m
Toguéré-Koumbé		14° 55' 01" N 4° 35' 41" W	268 m
(see also: Toguéré-Coumbé)			

Ségou region			
Niono		14° 15' 09" N 5° 59' 35" W	263 m
Samayé, on banks of Niger		14° 00' 00" N 4° 44' 00" W	267 m
Selangor			
Sikasso region			
Ballassientu, Between Kati and Kita	ca.	12° 25' 00" N 7° 30' 00" W	
Sélingué		11° 37' 00" N 8° 14' 00" W	322 m
Taoudénit region			
Timbuktu region			
(see also: Tombouctou region |PC:TT|)			
Bourèm		16° 21' 50" N 3° 20' 18" W	
Timboctú (see Tombouctou)		16° 46' 00" N 3° 01' 00" W	261 m
Timbuctoo (see Tombouctou)		16° 46' 00" N 3° 01' 00" W	261 m
Timbuctú (see Tombouctou)		16° 46' 00" N 3° 01' 00" W	261 m
Timbuktu (see Tombouctou)		16° 46' 00" N 3° 01' 00" W	261 m
Tombouctou		16° 46' 00" N 3° 01' 00" W	261 m
(see also: Timboctú, Timbuctoo, Timbuctú, Timbuktu, Tombutu)			
Tombutu (see Tombouctou)		16° 46' 00" N 3° 01' 00" W	261 m
TomboPC:TT|)			
Mascarene Islands		20° 00' 00" S 57° 00' 00" E	
Mauritania			
Adrar region			
Atâr		20° 25' 38" N 13° 03' 54" W	270 m
Terjit		20° 14' 48" N 13° 05' 13" W	418 m
Assaba region			
Brakna region			
Aleg Post Office		17° 02' 53" N 13° 55' 15" W	43 m
Aleg, 3 km S		17° 02' 00" N 13° 55' 00" W	
Boghé, 8 km N (see Bogué, 8 km N)		16° 39' 00" N 14° 16' 59" W	
Bogué Dow, 8 km N (see Bogué, 8 km N)		16° 39' 00" N 14° 16' 59" W	
Bogué, 8 km N		16° 39' 00" N 14° 16' 59" W	
(see also: Boghé, 8 km N, Bogué Dow, 8 km N)			
Dakhlet Nouadhibou region			
Gorgol region			
Kaédi, W edge		16° 08' 55" N 13° 30' 58" W	20 m
Guidimake region			
Passe de Soufa		15° 56' 14" N 12° 01' 19" W	
Hodh ech Chargui region			
Lac Mamoudé (see Ma?moûdé, lake)		16° 22' 01" N 7° 41' 45" W	
Mahmouda, lake (see Ma?moûdé, lake)		16° 22' 01" N 7° 41' 45" W	
Ma?moûdé, lake		16° 22' 01" N 7° 41' 45" W	
(see also: Lac Mamoudé, Mahmouda, lake, Mamoudé, lake)			
Mamoudé, lake (see Ma?moûdé, lake)		16° 22' 01" N 7° 41' 45" W	
Hodh el Gharbi region			
Inchiri region			
Akjoujt		19° 45' 00" N 14° 23' 00" W	141 m
(see also: Akjout, Fort Repoux, Magrein Copper Mine)			
Akjout (see Akjoujt)		19° 45' 00" N 14° 23' 00" W	141 m
Fort Repoux (see Akjoujt)		19° 45' 00" N 14° 23' 00" W	141 m
Guelb Moghrein, near Akjout	ca.	19° 45' 00" N 14° 25' 00" W	
Bat Cave	ca.	19° 45' 00" N 14° 25' 00" W	
(see also: Grotte aux Chauves-souris)			
Grotte aux Chauves-souris (see Bat Cave)	ca.	19° 45' 00" N 14° 25' 00" W	
Magrein Copper Mine (see Akjoujt)		19° 45' 00" N 14° 23' 00" W	141 m
Mauritanian Sahara			
Nouakchott Nord region			
Nouakchat (see Nouakchott)		18° 07' 10" N 16° 02' 26" W	0 m
Nouakchot (see Nouakchott)		18° 07' 10" N 16° 02' 26" W	0 m
Nouakchott		18° 07' 10" N 16° 02' 26" W	0 m
(see also: Nouakchat, Nouakchot)			
Nouakchott Ouest region			
Nouakchott Sud region			
Tagant region			
Moudjéria (fortress)		17° 52' 25" N 12° 19' 54" W	151 m
Tiris Zemmour region			
Touareg Sahara			
Trarza region			
Boutilimit		17° 32' 48" N 14° 41' 40" W	50 m
(see also: Boutillmit)			
Boutillmit (see Boutilimit)		17° 32' 48" N 14° 41' 40" W	50 m
Dar-el-Salam			
Garak		16° 33' 00" N 15° 46' 00" W	45 m
Roco (see Rosso)		16° 30' 37" N 15° 48' 32" W	45 m

Rosso		16° 30' 37" N 15° 48' 32" W	45 m
(see also: Roco)			
Tiguent		17° 14' 25" N 16° 05' 16" W	20 m
Mauritius			
Agalega Islands dependency			
Black river district			
Palma cave		20° 16' 40" S 57° 27' 14" E	
Cargados Carajos depencency			
Flacq district			
Grand Port district			
Fayence Moutain, northern slope		20° 23' 21" S 57° 40' 40" E	
Mare au Songes		20° 26' 31" S 57° 42' 06" E	
(see also: Mare aux Songes)			
Mare aux Songes (see Mare au Songes)		20° 26' 31" S 57° 42' 06" E	
Riche en Eau		20° 23' 17" S 57° 39' 15" E	
La Ronde (see Round island)		19° 50' 53" S 57° 46' 51" E	
Majastre			
Majastri			
Mauritius, 15 mi [=24 km] NE (see Round island)		19° 50' 53" S 57° 46' 51" E	
Moka district			
Camp Thorel Cave		20° 12' 56" S 57° 37' 14" E	310 m
Le Reduit, ravines	ca.	20° 13' 00" S 57° 29' 00" E	
Pamplemousses district			
Plaines Wilhelms district			
Rose Hill		20° 14' 31" S 57° 28' 12" E	
Port Louis district			
Port Louis		20° 09' 43" S 57° 29' 56" E	125 m
(see also: Port Louis Town)			
Port Louis Town (see Port Louis)		20° 09' 43" S 57° 29' 56" E	125 m
Rivière du Rempart district			
Cascavelle, along Papayes river/ Rivière du Rempart		20° 17' 43" S 57° 25' 09" E	
Caverne Trois Bras (see Trois Bras cave)		20° 01' 26" S 57° 38' 00" E	45 m
Petite Case Royale		20° 24' 03" S 57° 23' 00" E	
Roches Noires, 3.0 km W (see Twilight cave)		20° 07' 03" S 57° 42' 10" E	30 m
Trois Bras cave, edge of Mountain vent		20° 01' 26" S 57° 38' 00" E	45 m
(see also: Caverne Trois Bras)			
Twilight cave, 3.0 km W Roches Noires		20° 07' 03" S 57° 42' 10" E	30 m
(see also: Roches Noires, 3.0 km W)			
Rodrigues (see Rodrigues Island (region))		19° 42' 00" S 63° 25' 00" E	
Rodrigues Island (region)		19° 42' 00" S 63° 25' 00" E	
(see also: Rodrigues)			
Cascade (River)	ca.	19° 44' 00" S 63° 28' 00" E	
Rond Islet (see Round island)		19° 50' 53" S 57° 46' 51" E	
Ronde Ile (see Round island)		19° 50' 53" S 57° 46' 51" E	
Round island		19° 50' 53" S 57° 46' 51" E	
(see also: La Ronde, Mauritius, 15 mi [=24 km] NE, Rond Islet, Ronde Ile)			
Savanne district			
Kanaka Bat Cave		20° 24' 46" S 57° 31' 20" E	450 m
Senneville		20° 30' 04" S 57° 33' 00" E	151 m
Mayotte (see Mayotte Island (Fr.))		12° 50' 00" S 45° 09' 00" E	
Maore Island (Fr.) (see Mayotte Island (Fr.))			
Mayotte Island (Fr.)			
(see also: Maore Island (Fr.), Mayotte)			
Bandraboua canton	ca.	12° 42' 08" S 45° 07' 43" E	
Bouyouni		12° 44' 19" S 45° 08' 27" E	10 m
Koungou		12° 43' 59" S 45° 09' 44" E	10 m
Longoni		12° 44' 00" S 45° 10' 00" E	10 m
Ouangani canton	ca.	12° 50' 54" S 45° 08' 20" E	
Coconi		12° 49' 55" S 45° 08' 13" E	90 m
Sada canton	ca.	12° 51' 05" S 45° 05' 58" E	
Poroani		12° 53' 37" S 45° 08' 33" E	10 m
Mootshane			
Morocco			
Béni Mellal-Khénifra region			
Azilal prefecture			
Béni Mellal prefecture			
Khénifra prefecture			
Khouribga prefecture			
Casablanca-Settat region			
Ben Slimane prefecture			
Casablanca prefecture			
El Jadida prefecture			
Jorf El Roumi Nsebis cave		33° 36' 51" N 7° 32' 27" W	
Médiouna prefecture			
Mohammedia prefecture			

Nafifik forest		33° 43' 00" N 7° 20' 00" W	
Nouaceur prefecture			
Settat prefecture			
Mechra Benabbou, 11 km SE		32° 36' 00" N 7° 43' 01" W	
Chaouia - Ouardigha (former) region			
Dakhla-Oued Ed-Daha region			
Aousserd prefecture			
Oued Ed-Danab province			
Doukkala - Abda (former) region			
Drâa-Tafilalet region			
Ar Rashidiyah prefecture (see Errachidia prefecture)			
Er Rachidia prefecture (see Errachidia prefecture)			
Erg Merzouga, sandy desert (see also: Merzouga dunes)		31° 04' 16" N 3° 59' 01" W	
Errachidia prefecture (see also: Ar Rashidiyah prefecture, Er Rachidia prefecture, Ksar es Souk prefecture, Ksar-es-Suk prefecture, Rachidia prefecture, Tafilalt prefecture)			
Aoufous, Tafilatt (see also: Aoufouss, Centre d'Aoufous)		31° 41' 20" N 4° 10' 40" W	881 m
Aoufouss (see Aoufous), Tafilatt		31° 41' 20" N 4° 10' 40" W	881 m
Azigza cave (see Kef Azigza cave)		32° 02' 00" N 3° 47' 00" W	1060 m
Centre d'Aoufous (see Aoufous), Tafilatt		31° 41' 20" N 4° 10' 40" W	881 m
Grotte d'Azigza (see Kef Azigza cave)		32° 02' 00" N 3° 47' 00" W	1060 m
Grotte de Kef Aziza (see Kef Azigza cave)		32° 02' 00" N 3° 47' 00" W	1060 m
Kef Azigza cave, Oued Guir (see also: Azigza cave, Grotte d'Azigza, Grotte de Kef Aziza, Kef Aziza cave)		32° 02' 00" N 3° 47' 00" W	1060 m
Kef Aziza cave (see Kef Azigza cave)		32° 02' 00" N 3° 47' 00" W	1060 m
Meski (see also: Mesky)		31° 51' 19" N 4° 17' 17" W	957 m
Mesky (see Meski)		31° 51' 19" N 4° 17' 17" W	957 m
Ksar es Souk prefecture (see Errachidia prefecture)			
Ksar-es-Suk prefecture (see Errachidia prefecture)			
Merzouga dunes (see Erg Merzouga)		31° 04' 16" N 3° 59' 01" W	
Ouarzazate prefecture			
Ait Ouarzazate (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Aït Ouarzazate (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
El Kelaa n'Tazarine (see Tazarine)		33° 52' 48" N 4° 10' 48" W	1395 m
Ouarzazat (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazat, 19 km E (see also: Ouarzazate, 19 km E, Ouarzazte, 19 km E, Ouorzazate, 19 km E)		30° 57' 00" N 6° 43' 00" W	
Ouarzazate (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazate, 19 km E (see Ouarzazat, 19 km E)		30° 57' 00" N 6° 43' 00" W	
Ouarzazate, 3 km NW		30° 48' 00" N 5° 36' 00" W	
Ouarzazate, 5 km S		30° 52' 01" N 6° 55' 01" W	
Ouarzazate, 5 km SE		30° 52' 59" N 6° 57' 00" W	
Ouarzazate, 5 km SW		30° 52' 59" N 6° 57' 00" W	
Ouarzazate, 6 km N		30° 55' 01" N 6° 55' 01" W	
Ouarzazate, 9 km SE		30° 52' 01" N 6° 52' 01" W	
Ouarzazte (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazte, 19 km E (see Ouarzazat, 19 km E)		30° 57' 00" N 6° 43' 00" W	
Ouorzazate (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Ouorzazate, 19 km E (see Ouarzazat, 19 km E)		30° 57' 00" N 6° 43' 00" W	
Tazarine (see also: El Kelaa n'Tazarine, Tazarine-des-Zerarda, Tazzarine)		33° 52' 48" N 4° 10' 48" W	1395 m
Tazarine, 3 km NW	ca.	33° 53' 00" N 4° 11' 00" W	
Tazarine-des-Zerarda (see Tazarine)		33° 52' 48" N 4° 10' 48" W	1395 m
Tazzarine (see Tazarine)		33° 52' 48" N 4° 10' 48" W	1395 m
Uarzazatas (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Warzat (see also: Ait Ouarzazate, Aït Ouarzazate, Ouarzazat, Ouarzazate, Ouarzazte, Ouorzazate, Uarzazatas, Warzazat, Warzazat)		30° 55' 31" N 6° 54' 48" W	1276 m
Warzazat (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Warzazat (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Rachidia prefecture (see Errachidia prefecture)			
Tafilalt prefecture (see Errachidia prefecture)			
Zagora prefecture			
Fès - Boulemane (former) region			
Middle Atlas (see Moyen Atlas)		33° 30' 00" N 4° 30' 00" W	
Moyen Atlas (see also: Middle Atlas)		33° 30' 00" N 4° 30' 00" W	

Fès-Meknès region			
Afenourir, lake (see Afnourir, lake)		33° 17' 00" N 5° 15' 00" W	
Afnourir, lake, 26 km S Azrou		33° 17' 00" N 5° 15' 00" W	
(see also: Afenourir, lake, Azrou, 26 km S, Lac Afenourir, Lac Afnourir)			
Aïn Chhief (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Ain Chkef (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Aïn Chkef, 6 km S Fès; Junto Camping		33° 57' 48" N 5° 01' 11" W	508 m
(see also: Aïn Chhief, Ain Chkef, Ain Chqef, Aïn-Chkeff, Douar Ain Chkef, Fès, 6 km S)			
Ain Chqef (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Aïn-Chkeff (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Azrou		34° 31' 14" N 4° 20' 41" W	1039 m
Azrou, 26 km S (see Afnourir, lake)		33° 17' 00" N 5° 15' 00" W	
Bab Bou Idir, near Taza		34° 04' 09" N 4° 07' 14" W	
Bir Regaga, Kef Aïssa, 12 km W Imouzzer du Kandar	ca.	33° 45' 00" N 5° 05' 00" W	
(see also: Imouzzer du Kandar, 12 km W)			
Boulemane prefecture			
Douar Ain Chkef (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
El Hajeb prefecture			
Fès prefecture			
Misour (see Missour)		33° 03' 00" N 3° 59' 24" W	895 m
Missour		33° 03' 00" N 3° 59' 24" W	895 m
(see also: Misour)			
Missour, 15 km SW		33° 07' 59" N 4° 04' 59" W	
Sebt Aït Saghiouchen		34° 00' 23" N 4° 33' 12" W	
(see also: Sebt Aït Seghouchen, Sebt-des-Ait-Serhrouchen)			
Sebt Aït Seghouchen (see Sebt Aït Saghiouchen)		34° 00' 23" N 4° 33' 12" W	
Sebt-des-Ait-Serhrouchen (see Sebt Aït Saghiouchen)		34° 00' 23" N 4° 33' 12" W	
Taounat, 15 km WSW (see Taounate, 15 km WSW)		34° 29' 00" N 4° 48' 00" W	
Taounate, 15 km WSW		34° 29' 00" N 4° 48' 00" W	
(see also: Taounat, 15 km WSW, Tawnat, 15 km WSW)			
Tawnat, 15 km WSW (see Taounate, 15 km WSW)		34° 29' 00" N 4° 48' 00" W	
Fès, 6 km S (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Ifrane prefecture			
Imouzzer du Kandar, 12 km W (see Bir Regaga, Kef Aïssa)	ca.	33° 45' 00" N 5° 05' 00" W	
Ksar Tamtettouchet (see Tamtetoucht)		31° 40' 12" N 5° 31' 48" W	2247 m
Lac Afenourir (see Afnourir, lake)		33° 17' 00" N 5° 15' 00" W	
Lac Afnourir (see Afnourir, lake)		33° 17' 00" N 5° 15' 00" W	
Meknès prefecture			
Ifrane		33° 32' 00" N 5° 06' 00" W	1713 m
Mekinez (see Meknès)		33° 54' 00" N 5° 33' 00" W	547 m
Meknès		33° 54' 00" N 5° 33' 00" W	547 m
(see also: Mekinez)			
Moulay Yacoub prefecture			
Sefrou prefecture			
Tamtattoucht (see Tamtetoucht)		31° 40' 12" N 5° 31' 48" W	2247 m
Tamtattouchte (see Tamtetoucht)		31° 40' 12" N 5° 31' 48" W	2247 m
Tamtetoucht		31° 40' 12" N 5° 31' 48" W	2247 m
(see also: Ksar Tamtettouchet, Tamtattoucht, Tamtattouchte)			
Taounate prefecture			
Taza prefecture			
Grotte de Kef-el-Rhar (see Kef-el-Rhar, cave)		34° 28' 48" N 4° 15' 36" W	ca. 500 m
Grotte de Ras El Oued		34° 09' 00" N 4° 00' 00" W	
(see also: Ras El Oued, cave)			
Kef er Rhar (see Kef-el-Rhar, cave)		34° 28' 48" N 4° 15' 36" W	ca. 500 m
Kef-el-Rhar, cave		34° 28' 48" N 4° 15' 36" W	ca. 500 m
(see also: Grotte de Kef-el-Rhar, Kef er Rhar)			
Ras El Oued, cave (see Grotte de Ras El Oued)		34° 09' 00" N 4° 00' 00" W	
Taza, Lead mine [=Mine de Plomb]		34° 13' 00" N 4° 01' 00" W	598 m
Gharb - Chrarda - Béni Hssen (former) region			
Grand Casablanca (former) region			
Guelmim - Es-Semara (former) region			
Assa		28° 36' 00" N 9° 25' 12" W	294 m
(see also: Zaouia Assa)			
Bou Izakaren (see Bou Izakarn)		29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarene (see Bou Izakarn)		29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarn		29° 09' 36" N 9° 43' 48" W	617 m
(see also: Bou Izakaren, Bou Izakarene, Bou Izakarne, Bu Isacarn)			
Bou Izakarne (see Bou Izakarn)		29° 09' 36" N 9° 43' 48" W	617 m

Bu Isacarn (see Bou Izakarn)		29° 09' 36" N 9° 43' 48" W	617 m
Zaouia Assa (see Assa)		28° 36' 00" N 9° 25' 12" W	294 m
Guelmim-Oued Noun region			
Assa-Zag prefecture			
Guelmim prefecture			
Goulimine (see Guelmim), Drâ area		28° 59' 02" N 10° 03' 37" W	307 m
Guelmim, Drâ area		28° 59' 02" N 10° 03' 37" W	307 m
(see also: Goulimine)			
Tan-Tan prefecture			
Akka		28° 36' 00" N 9° 25' 00" W	
Tan-Tan Plage, 30 km SE		28° 26' 00" N 11° 06' 00" W	
Khenifra			
Laâyoune - Boujdour -Sakia El Hamra (former) region			
Laâyoune-Sakia al Hamra region			
Boujdour prefecture			
Es-Semara prefecture			
Laâyoune prefecture			
L'oriental region			
(see also: Oriental-Rif region |PC:OR|)			
Atlas Rifain (see Er Rif)		35° 00' 00" N 4° 00' 00" W	
Berkane prefecture			
El Rif (see Er Rif)		35° 00' 00" N 4° 00' 00" W	
Er Rif		35° 00' 00" N 4° 00' 00" W	
(see also: Atlas Rifain, El Rif, Er Riff, Rif, Riff)			
Er Riff (see Er Rif)		35° 00' 00" N 4° 00' 00" W	
Figuig prefecture			
Figuig		32° 07' 00" N 1° 13' 37" W	878 m
(see also: Figuiq)			
Figuiq (see Figuig)		32° 07' 00" N 1° 13' 37" W	878 m
Jerada prefecture			
Nador prefecture			
Nador, 20 km SE		35° 07' 00" N 2° 45' 00" W	
Oujda-Angad prefecture			
Aïn Taforalt (see Taforhalt)		34° 48' 36" N 2° 24' 00" W	911 m
Berkán (see Berkane)		34° 55' 16" N 2° 19' 46" W	179 m
Berkane		34° 55' 16" N 2° 19' 46" W	179 m
(see also: Berkán, Berkawe)			
Grotte de Tazarine (see Tazarine cave)		34° 55' 16" N 2° 19' 46" W	
Grotte de Zegzel (see Zegzel cave)		34° 55' 16" N 2° 19' 46" W	
Tazarine cave		34° 55' 16" N 2° 19' 46" W	
(see also: Grotte de Tazarine)			
Zegzel cave		34° 55' 16" N 2° 19' 46" W	
(see also: Grotte de Zegzel)			
Berkawe (see Berkane)		34° 55' 16" N 2° 19' 46" W	179 m
Camp d'Aïn Tafouralt (see Taforhalt)		34° 48' 36" N 2° 24' 00" W	911 m
Taforalt (see Taforhalt)		34° 48' 36" N 2° 24' 00" W	911 m
Taforalt, 3 km NE		34° 49' 01" N 2° 24' 00" W	
Taforalt, 9 km NE		34° 49' 59" N 2° 22' 01" W	
Taforhalt		34° 48' 36" N 2° 24' 00" W	911 m
(see also: Aïn Taforalt, Camp d'Aïn Tafouralt, Taforalt)			
Rif (see Er Rif)		35° 00' 00" N 4° 00' 00" W	
Riff (see Er Rif)		35° 00' 00" N 4° 00' 00" W	
Taourirt prefecture			
Cascades Bou Mazouz, 10 km NW Taourirt	ca.	34° 27' 58" N 2° 58' 51" W	
Maha, 7 mi [=11.3 km] (see Tagonidert)			
Mapti Endé			
Marrakech -Tensilft - Al Hauouz (former) region			
Asni, 2 km N		31° 15' 00" N 8° 00' 00" W	
Grotte du plateau de Kik (see Kik plateau cave)	ca.	31° 15' 00" N 8° 10' 00" W	
Ijoukak		31° 00' 00" N 8° 09' 36" W	1196 m
(see also: Izoukak)			
Izoukak (see Ijoukak)		31° 00' 00" N 8° 09' 36" W	1196 m
Kik plateau cave	ca.	31° 15' 00" N 8° 10' 00" W	
(see also: Grotte du plateau de Kik, Réserve des monts Mandingues)			
Ourika, cascades, near Setti-Fatma		31° 13' 13" N 7° 40' 09" W	
Marrakech-Safi region			
Al Haouz prefecture			
Chichaoua prefecture			
Chichaoua, Rif		31° 32' 40" N 8° 45' 58" W	322 m
(see also: Chichaua, Mzala Chichaoua)			
Chichaoua, 20 km S, Rif	ca.	31° 30' 00" N 8° 47' 00" W	
Chichaua (see Chichaoua), Rif		31° 32' 40" N 8° 45' 58" W	322 m
Mzala Chichaoua (see Chichaoua), Rif		31° 32' 40" N 8° 45' 58" W	322 m
Dcheira, lower Sousse Valley		30° 53' 00" N 9° 32' 00" W	

El Kelaâ des Sraghna prefecture			
Essaouira prefecture			
As Suwayrah (see Essaouira)		31° 30' 47" N 9° 46' 11" W	11 m
Es Suira (see Essaouira)		31° 30' 47" N 9° 46' 11" W	11 m
Essaouira		31° 30' 47" N 9° 46' 11" W	11 m
(see also: As Suwayrah, Es Suira, Magador, Mogadar, Mogador)			
Ha-ha, Mogador	ca.	31° 30' 00" N 9° 45' 00" W	
Magador (see Essaouira)		31° 30' 47" N 9° 46' 11" W	11 m
Mogadar (see Essaouira)		31° 30' 47" N 9° 46' 11" W	11 m
Mogador (see Essaouira)		31° 30' 47" N 9° 46' 11" W	11 m
Marrakesh prefecture			
Marrakech, E of	ca.	31° 37' 48" N 8° 00' 00" W	
(see also: Marrakesh, E of)			
Marrakesh, E of (see Marrakech, E of)	ca.	31° 37' 48" N 8° 00' 00" W	
Safi prefecture			
Safi, 13 km S		32° 10' 59" N 9° 15' 00" W	
Meknès - Tafilalet (former) region			
Aïn Leuh		33° 17' 17" N 5° 20' 14" W	
Bakrit (see Bekrit)		33° 04' 48" N 5° 12' 36" W	1793 m
Bekrit		33° 04' 48" N 5° 12' 36" W	1793 m
(see also: Bakrit, Bekrite, Berkit)			
Bekrite (see Bekrit)		33° 04' 48" N 5° 12' 36" W	1793 m
Berkit (see Bekrit)		33° 04' 48" N 5° 12' 36" W	1793 m
Takoumit oasis		32° 05' 00" N 3° 46' 00" W	1115 m
Mizu - Tétouan			
Oriental (former) region			
Anoual		32° 39' 36" N 3° 06' 00" W	1188 m
Defilia oasis		32° 09' 36" N 1° 22' 48" W	958 m
OrienPC:OF|)			
Camel cave, valley, near Berkane, Zegzel plateau	ca.	34° 45' 00" N 2° 20' 00" W	1155 m
(see also: Grotte des chameaux)			
Grotte des chameaux (see Camel cave, valley)	ca.	34° 45' 00" N 2° 20' 00" W	1155 m
Oued ed-Dahab - Lagouira (former) region			
Rabat - Salé - Zemmour - Zaer (former) region			
Sidi Sibara, 3 km SW	ca.	33° 24' 33" N 6° 44' 38" W	
Rabat-Salé-Kénitra region			
Kénitra prefecture			
Ouezzane, 10 km W		34° 46' 01" N 5° 40' 59" W	
Khémisset prefecture			
Taza, 13 km S		34° 09' 00" N 4° 04' 01" W	
Tiflet, 15 km W		33° 55' 59" N 6° 27' 00" W	
Tiflet, 21 km W		33° 59' 00" N 6° 34' 00" W	
Rabat		34° 00' 50" N 6° 50' 39" W	24 m
Rabat prefecture			
Rabat, 17 km SE		33° 49' 00" N 7° 02' 00" W	
Salé prefecture			
Sidi Kacem prefecture			
Skhirate-Témara prefecture			
Sidi Bouzid			
Sidi Moussa			
Souss - Massa - Draâ (former) region			
Aït-Ali, ca. 5 km N (see Gorges du Dadès)		31° 31' 00" N 5° 56' 00" W	1750 m
Anagam (see Foum Anagame), Oued Draâ		30° 07' 48" N 5° 37' 48" W	
Foum Anagame		30° 07' 48" N 5° 37' 48" W	
(see also: Anagam)			
Souss-Massa region			
Agadir, 30 km NW (see Tiguerte cave)	ca.	30° 38' 00" N 9° 50' 00" W	
Agadir, 52 km SE (see Bou Akden mine)			
Agadir-Ida-Tanane prefecture			
Dcheïra, near Inezgane, lower Sousse valley		30° 22' 00" N 9° 32' 00" W	12 m
Bou Akden mine, 52 km SE Agadir			
(see also: Agadir, 52 km SE)			
Chtouka-Ait Bana prefecture			
Gorges du Dadès		31° 31' 00" N 5° 56' 00" W	1750 m
(see also: Aït-Ali, ca. 5 km N)			
Grotte Win Timdouine (see Win Timdouine cave)		30° 40' 49" N 9° 20' 42" W	
Inezgane-Ait Melloul prefecture			
Oued Drâa	ca.	29° 10' 00" N 8° 00' 00" W	
Souq l'Arba N. Ayt Ahmad, 34 km WNW(?) Tiznit, Oued Massa	ca.	29° 59' 44" N 9° 39' 44" W	
(see also: Tiznit, 34 km WNW?)			
Taroudannt prefecture			
Tata prefecture			
Aux environs de Tata (see Tata, near)	ca.	29° 45' 00" N 7° 59' 00" W	
Foum Zguid		30° 05' 24" N 6° 52' 30" W	760 m

Foum Zguid, 4 km S		30° 04' 01" N 6° 52' 59" W	
Tata		29° 45' 00" N 7° 59' 00" W	670 m
(see also: Tatta)			
Tata, 15 km S	ca.	29° 37' 59" N 7° 57' 00" W	
Tata, 8 km N	ca.	29° 44' 00" N 7° 56' 00" W	
Tata, near	ca.	29° 45' 00" N 7° 59' 00" W	
(see also: Aux environs de Tata)			
Tatta (see Tata)		29° 45' 00" N 7° 59' 00" W	670 m
Tiguerte cave, 30 km NW Agadir	ca.	30° 38' 00" N 9° 50' 00" W	
(see also: Agadir, 30 km NW)			
Tiznit prefecture			
Tiznit, 34 km WNW? (see Souq l'Arba N. Ayt Ahmad)	ca.	29° 59' 44" N 9° 39' 44" W	
Win Timdouine cave, near Agadir		30° 40' 49" N 9° 20' 42" W	
(see also: Grotte Win Timdouine, Wintimdouine cave)			
Wintimdouine cave (see Win Timdouine cave)		30° 40' 49" N 9° 20' 42" W	
Taddert, High Atlas			
Tadia - Azilal (former) region			
Talkount		31° 39' 36" N 7° 15' 36" W	851 m
(see also: Talkout)			
Talkout (see Talkount)		31° 39' 36" N 7° 15' 36" W	851 m
Tagonidert, 7 mi from Maha			
(see also: Maha, 7 mi [=11.3 km], Tagouidert)			
Tagouidert (see Tagonidert)			
Tanger - Tétouan (former) region			
Abila (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Abyla (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Akhmas (see El Akhmas tribal area)	ca.	35° 04' 45" N 5° 19' 43" W	
Djebel Moussa (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
El Ajmas (see El Akhmas tribal area)	ca.	35° 04' 45" N 5° 19' 43" W	
El Akhmas tribal area	ca.	35° 04' 45" N 5° 19' 43" W	
(see also: Akhmas , El Ajmas, El Jamas, El-Amas)			
El Jamas (see El Akhmas tribal area)	ca.	35° 04' 45" N 5° 19' 43" W	
El-Amas (see El Akhmas tribal area)	ca.	35° 04' 45" N 5° 19' 43" W	
Jbel Moussa (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Jebel Moussa		35° 53' 52" N 5° 24' 44" W	
(see also: Abila, Abyla, Djebel Moussa, Jbel Moussa, Jebel Mussa, Jebel Sidi Moussa, Monte de las Monas, Sidi Musa)			
Grande Caverne du Djebel Moussa (see Great Cave (Jebel Moussa))		35° 53' 52" N 5° 24' 44" W	
Great Cave (Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
(see also: Grande Caverne du Djebel Moussa)			
Jebel Mussa (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Jebel Sidi Moussa (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Monte de las Monas (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Sidi Musa (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Xerafat, Caf Muley Abdelkader	ca.	35° 04' 45" N 5° 19' 43" W	
Tanger-Tétouan-Al Hoceima region			
Al Hoceima prefecture			
Al Hoceïma		35° 14' 24" N 3° 55' 48" W	153 m
(see also: Al Huceima, Al ?usaymat, Alhacemas, Alhucemas, Villa Alhucemas, Villa Sanjurjo)			
Al Hoceïma, 9 km SE		35° 12' 00" N 3° 52' 59" W	
Al Huceima (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Al ?usaymat (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Alhacemas (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Alhucemas (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Villa Alhucemas (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Villa Sanjurjo (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Caotina, 5 km NW Chefchaouen		35° 11' 44" N 5° 18' 32" W	508 m
(see also: Chefchaouen, 5 km NW, Fomento, Puente de Fomento, Puento Fomento)			
Chaouen prefecture (see Chechaouen prefecture)			
Chechaouen prefecture			
(see also: Chaouen prefecture, Chefchaouen province)			
Boudman, near Chefchaouen	ca.	35° 10' 00" N 5° 16' 00" W	
Chaouèn (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Chauen (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Chechaouèn (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Chechaouene (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m

Chefchaoune, Rif		35° 10' 17" N 5° 16' 11" W	564 m
(see also: Chaouèn, Chauen, Chechaouèn, Chechaouene, Chichaouene, Ech Chaouene, Scheschauen, Ville de Chechaouèn, Xauen, Xexauen)			
Chichaouene (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Duea Seglaon (see Oued Siglone)	ca.	35° 10' 00" N 5° 16' 00" W	
Ech Chaouene (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Oued Lahou (see Oued Laou)		35° 26' 54" N 5° 05' 47" W	
Oued Lao (see Oued Laou)		35° 26' 54" N 5° 05' 47" W	
Oued Laou		35° 26' 54" N 5° 05' 47" W	
(see also: Oued Lahou, Oued Lao, Oued Lou, Uad Lau)			
Oued Laou, near	ca.	35° 26' 54" N 5° 05' 47" W	
Oued Lou (see Oued Laou)		35° 26' 54" N 5° 05' 47" W	
Oued Siglone, near Chefchaoune	ca.	35° 10' 00" N 5° 16' 00" W	
(see also: Duea Seglaon)			
Scheschauen (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Uad Lau (see Oued Laou)		35° 26' 54" N 5° 05' 47" W	
Ville de Chechaouèn (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Xauen (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Xexauen (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Chefchaouen province (see Chechaouen prefecture)			
Chefchaouen, 5 km E (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Chefchaouen, 5 km NW (see Caotina)		35° 11' 44" N 5° 18' 32" W	508 m
Chefchaouen, 6 km SW (see Derdara)		35° 06' 37" N 5° 17' 25" W	381 m
Chefchaouen, 8 km from (see Laachaich)		35° 10' 00" N 5° 16' 00" W	
Cuevas d'Hércules (see Grottes d'Hercule)		35° 45' 21" N 5° 56' 16" W	
Dardara (see Derdara)		35° 06' 37" N 5° 17' 25" W	381 m
Derdara, 6 km SW of Chefchaouen		35° 06' 37" N 5° 17' 25" W	381 m
(see also: Chefchaouen, 6 km SW, Dardara)			
Fahs Anjra prefecture			
Fomento (see Caotina)		35° 11' 44" N 5° 18' 32" W	508 m
Frmane cave, Jebel Bouhalla	ca.	35° 05' 00" N 5° 08' 00" W	
Grottes d'Hercule		35° 45' 21" N 5° 56' 16" W	
(see also: Cuevas d'Hércules, Hercules caves)			
Hercules caves (see Grottes d'Hercule)		35° 45' 21" N 5° 56' 16" W	
Jbel Tissouka (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Jebel Mago (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Jebel Tisouka, 5 km E Chefchaouen		35° 09' 38" N 5° 13' 02" W	1100 m
(see also: Chefchaouen, 5 km E, Jbel Tissouka, Jebel Mago, Monte Tisuka, Tisouka, mount, Yebel Tisuca, Yebel Tisuja)			
Laachaich, 8 km from Chefchaouen		35° 10' 00" N 5° 16' 00" W	
(see also: Chefchaouen, 8 km from)			
Larache prefecture			
Al ‘Ara’ish (see Larache)		35° 11' 24" N 6° 09' 00" W	55 m
El Aaraich (see Larache)		35° 11' 24" N 6° 09' 00" W	55 m
Larache		35° 11' 24" N 6° 09' 00" W	55 m
(see also: Al ‘Ara’ish, El Aaraich, Lavache)			
Larache, 20 km S		35° 01' 59" N 6° 03' 00" W	
Lavache (see Larache)		35° 11' 24" N 6° 09' 00" W	55 m
M'diq Fnidq prefecture			
Monte Tisuka (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Moulay Abdeslam, 5 km W		35° 19' 00" N 5° 34' 00" W	
Moulay Abdessalam - Zinat, between	ca.	35° 24' 00" N 5° 29' 00" W	
Peñon de Alhucemas island		35° 12' 48" N 3° 53' 22" W	
Puente de Fomento (see Caotina)		35° 11' 44" N 5° 18' 32" W	508 m
Puento Fomento (see Caotina)		35° 11' 44" N 5° 18' 32" W	508 m
Souk-Khemis-des-Beni-Arouss		35° 18' 25" N 5° 37' 46" W	
Tanger-Assilah prefecture			
Tanger		35° 47' 05" N 5° 48' 46" W	79 m
(see also: Tangeri, Tangier, Tingis)			
Tanger, 13 km W		35° 48' 00" N 5° 55' 59" W	
Tangeri (see Tanger)		35° 47' 05" N 5° 48' 46" W	79 m
Tangier (see Tanger)		35° 47' 05" N 5° 48' 46" W	79 m
Tingis (see Tanger)		35° 47' 05" N 5° 48' 46" W	79 m
Tétouan prefecture			
Grotte de Samsa (see Semsa cave)		35° 35' 24" N 5° 24' 00" W	114 m
Samsa (see Semsa)		35° 35' 24" N 5° 24' 00" W	114 m
Samsa cave (see Semsa cave)		35° 35' 24" N 5° 24' 00" W	114 m
Semsa		35° 35' 24" N 5° 24' 00" W	114 m
(see also: Samsa)			
Semsa cave		35° 35' 24" N 5° 24' 00" W	114 m
(see also: Grotte de Samsa, Samsa cave)			
Tétouane, cave 6 km E	ca.	35° 34' 00" N 5° 17' 00" W	250 m

Tisouka, mount (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Yebel Tisuca (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Yebel Tisuja (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Taza - Al Hoceima - Taounate (former) region			
Oued el-Ammar, Sebt-des-Aït, Serhrouchen		34° 06' 00" N 4° 33' 36" W	
Mozambique			
Cabo Delgado province			
Balama Coutada		13° 24' 58" S 38° 02' 15" E	
Namapa		13° 29' 42" S 39° 47' 03" E	
Pemba		13° 00' 23" S 40° 31' 25" E	
Pemba Bay		12° 56' 31" S 40° 27' 41" E	
Pemba, SW of		13° 00' 23" S 40° 31' 25" E	
Caia Lodge		17° 50' 50" S 35° 19' 23" E	
Chicona, 14 mi [=22.5 km] ESE			
Gaza province			
Banhine National Park, 45 km SW Magude		22° 45' 21" S 32° 48' 19" E	
Bdienguele		24° 57' 27" S 34° 11' 22" E	
Chai Chai (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
Chigubo Administrative Poste		22° 49' 45" S 33° 31' 26" E	91 m
Chimonzo		24° 56' 54" S 33° 17' 30" E	81 m
Chokwe, Limpopo Bridge		24° 24' 21" S 32° 52' 54" E	
Inyoka mountains (see Inhaca Island Research Station), 45 km SW Magude		22° 45' 21" S 32° 48' 19" E	
Joa Belo (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
João Belo (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
Magude, 24 km SW		25° 10' 59" S 32° 31' 01" E	
Magude, 45 km SW (see Inhaca Island Research Station) (see also: Tete, 5 mi [=8 km] W)		22° 45' 21" S 32° 48' 19" E	
Massangena		21° 33' 18" S 32° 57' 38" E	
Mazambo		23° 23' 00" S 32° 22' 00" E	
Mepuze		23° 12' 19" S 32° 29' 55" E	
Mepuze, S of		24° 10' 05" S 32° 48' 22" E	
Mzambo, lower Limpopo River		23° 23' 00" S 32° 22' 00" E	
Save River Bridge, 30 km N?		21° 37' 48" S 32° 22' 48" E	
Shai-Shai (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
Vila de João Belo (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
Vila-João-Belo (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
Xai-Xai, Maputo, 200 km N (see also: Chai Chai, Joa Belo, João Belo, Shai-Shai, Vila de João Belo, Vila-João-Belo)		25° 03' 07" S 33° 38' 39" E	9 m
Inhambane province			
Bazaruto Island (see also: Bazaruto, Ilha do)		21° 39' 46" S 35° 28' 04" E	
Bazaruto Lodge		21° 36' 55" S 35° 20' 15" E	
Bazaruto, Ilha do (see Bazaruto Island)		21° 39' 46" S 35° 28' 04" E	
Beira, 212 km SSW		21° 26' 12" S 33° 51' 01" E	
Cabo Guja (see also: Guja, Guya)		23° 44' 28" S 35° 20' 58" E	68 m
Chihalatan cave, 38.2 km W Inhassoro (see also: Inhassoro, 38.2 km W)		21° 40' 16" S 34° 51' 50" E	
Coguno		24° 23' 20" S 34° 33' 10" E	53 m
Covane		21° 21' 55" S 33° 56' 15" E	75 m
Gerhard's cave		21° 40' 12" S 34° 51' 36" E	68 m
Gruta Magochene		21° 22' 00" S 34° 52' 00" E	
Guja (see Cabo Guja)		23° 44' 28" S 35° 20' 58" E	68 m
Guya (see Cabo Guja)		23° 44' 28" S 35° 20' 58" E	68 m
Inhambane		23° 51' 54" S 35° 23' 00" E	1 m
Inhambane, 29 km S (see Jangamo)		24° 06' 44" S 35° 19' 05" E	18 m
Inhassano, 39.1 km W (see Malashane cave)		21° 40' 05" S 34° 50' 49" E	
Inhassoro, 38.2 km W (see Chihalatan cave)		21° 40' 16" S 34° 51' 50" E	
Jangamo, 29 km S Inhambane (see also: Inhambane, 29 km S)		24° 06' 44" S 35° 19' 05" E	18 m
Macovane		21° 29' 20" S 35° 03' 23" E	0 m
Macovane, 27 km SW (see Nogochene caves)	ca.	21° 41' 00" S 34° 52' 00" E	
Macovane, ca 25 km SW	ca.	21° 30' 00" S 35° 03' 00" E	
Malashane cave, 39.1 km W Inhassoro, < 2 km from Chihalatan cave (see also: Inhassano, 39.1 km W)		21° 40' 05" S 34° 50' 49" E	
Massinga		23° 19' 01" S 35° 22' 59" E	
Massinga, 2 km N		23° 20' 00" S 35° 22' 00" E	
Massinga, 2 km S		23° 20' 00" S 35° 24' 00" E	
Mombane (see Nove Mambone)		20° 59' 17" S 35° 01' 20" E	10 m
Mongué Misison		23° 41' 33" S 35° 22' 19" E	
Nogochene caves, 27 km SW Macovane (see also: Macovane, 27 km SW)	ca.	21° 41' 00" S 34° 52' 00" E	

Nove Mambone		20° 59' 17" S 35° 01' 20" E	10 m
(see also: Mombane)			
Panda		24° 03' 48" S 34° 43' 49" E	144 m
Panda, 4 km N		24° 03' 00" S 34° 42' 00" E	
Pico Meponduine, near Zinave?			
Rio das Pedras		23° 08' 00" S 35° 25' 00" E	
Save river, 15 km from mouth		20° 57' 29" S 35° 05' 13" E	
Save River, S of bridge on EN1		21° 10' 33" S 34° 44' 47" E	52 m
Vilanculos (see Vilankulo)		22° 00' 00" S 35° 19' 00" E	0 m
Vilanculos district	ca.	22° 00' 00" S 35° 00' 00" E	
Mapinhane		22° 19' 12" S 35° 03' 00" E	
Vilanculos, W edge		21° 58' 59" S 35° 19' 01" E	
Vilankulo		22° 00' 00" S 35° 19' 00" E	0 m
(see also: Vilanculos, Villacuios)			
Vilankulo, W edge		21° 58' 59" S 35° 19' 01" E	
Villacuios (see Vilankulo)		22° 00' 00" S 35° 19' 00" E	0 m
Zinave, 212 km SSW Beira		21° 26' 12" S 33° 51' 01" E	
Zinave, 2 km S		21° 21' 00" S 33° 51' 00" E	
Zinave, 2 km SW	ca.	21° 21' 00" S 33° 51' 00" E	
Zinave, 3 km SW	ca.	21° 21' 00" S 33° 51' 00" E	
Zinave, 30 mi [=48 km] NE	ca.	21° 15' 00" S 33° 55' 00" E	
Zinave, 5 km W	ca.	21° 21' 00" S 33° 51' 00" E	
Manica province			
Case Msika lodge, near Lake Chicamba		19° 02' 25" S 33° 05' 24" E	
Catambica (see Catandica)		18° 03' 27" S 33° 10' 25" E	620 m
Catandica		18° 03' 27" S 33° 10' 25" E	620 m
(see also: Catambica, Vila Gouveia, Vila Goveia)			
Chemezi		18° 53' 20" S 33° 03' 02" E	
Crus Dubacus Setache, 5 km N (see Zinave National Park)		21° 07' 30" S 33° 37' 30" E	
Dabacua Setache (see Setache)		21° 41' 32" S 33° 31' 18" E	
Malacus		21° 52' 30" S 33° 22' 30" E	
Mángari, 5 km N (see Mungari, 5 km N)	ca.	17° 10' 00" S 33° 33' 00" E	ca. 500 m
Manica, 10 km N		18° 50' 00" S 32° 57' 00" E	
(see also: Vila de Manica, 10 km N)			
Mungari, 5 km N	ca.	17° 10' 00" S 33° 33' 00" E	ca. 500 m
(see also: Mángari, 5 km N)			
Nyaboa Caves		20° 22' 00" S 33° 37' 00" E	
Setache		21° 41' 32" S 33° 31' 18" E	
(see also: Dabacua Setache)			
Vila de Manica, 10 km N (see Manica, 10 km N)		18° 50' 00" S 32° 57' 00" E	
Vila Gouveia (see Catandica)		18° 03' 27" S 33° 10' 25" E	620 m
Vila Goveia (see Catandica)		18° 03' 27" S 33° 10' 25" E	620 m
Vumba, near Manica		19° 02' 00" S 32° 58' 00" E	4300 m
Zinave National Park, 5 km N Crus Dubacus Setache		21° 07' 30" S 33° 37' 30" E	
(see also: Crus Dubacus Setache, 5 km N)			
MaputPC:MC|)			
Can Pfumo (see Maputo)		25° 57' 55" S 32° 35' 21" E	63 m
Kapfumo (see Maputo)		25° 57' 55" S 32° 35' 21" E	63 m
Lourenço Marques (see Maputo)		25° 57' 55" S 32° 35' 21" E	63 m
Lourenco Marques, 2 mi [=3.2 km] N		25° 57' 55" S 32° 35' 21" E	100 ft
Mabutu (see Maputo)		25° 57' 55" S 32° 35' 21" E	63 m
Maputo		25° 57' 55" S 32° 35' 21" E	63 m
(see also: Can Pfumo, Kapfumo, Lourenço Marques, Mabutu)			
Maputo, 2 mi [=3.2 km] N		25° 57' 55" S 32° 35' 21" E	
Maputo province			
(see also: Maputo City province |PC:MC|)			
Alagoa Bay (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Bahia de Machangulo (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Baia de Alagoa (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Baia de Dalagoa (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Baía de Lourenço Marques (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Baía de Maputo (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Bela Vista		25° 58' 00" S 32° 30' 00" E	5 m
Boane, 1 mi [=1.6 km] NE		25° 58' 01" S 32° 19' 59" E	
Boane, 10 km N		25° 55' 59" S 32° 19' 01" E	
Changalane		26° 17' 29" S 32° 11' 23" E	94 m
(see also: Estatuane)			
Cidade de Matola (see Matola)		25° 57' 44" S 32° 27' 32" E	3 m
Delagoa Bay (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Estatuane (see Changalane)		26° 17' 29" S 32° 11' 23" E	94 m
Estatuene area		26° 23' 53" S 32° 05' 53" E	
Machangulo Bay (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Magude-Mapulenguene		24° 56' 29" S 32° 32' 55" E	

Manhiça		25° 24' 08" S 32° 48' 26" E	57 m
(see also: Vila da Manhiça)			
Maputo Bay	ca.	25° 59' 00" S 32° 42' 00" E	
(see also: Alagoa Bay, Bahia de Machangulo, Baia de Alagoa, Baia de Dalagoa, Baía de Lourenço Marques, Baía de Maputo, Delagoa Bay, Machangulo Bay)			
Inhaca Island		26° 01' 00" S 32° 58' 00" E	50 m
Inhaca Island Research Station		26° 02' 17" S 32° 57' 36" E	
(see also: Inyoka mountains, Magude, 45 km SW)			
Marine Research Station		26° 01' 37" S 32° 54' 39" E	
Posto Inhaca		26° 04' 00" S 32° 58' 00" E	
Matola		25° 57' 44" S 32° 27' 32" E	3 m
(see also: Cidade de Matola, Vila Salazar)			
Moamba		25° 35' 46" S 32° 14' 36" E	112 m
Naa Macha (see Namaacha)		25° 58' 13" S 32° 01' 32" E	547 m
Namaacha		25° 58' 13" S 32° 01' 32" E	547 m
(see also: Naa Macha, Namahacha)			
Namahacha (see Namaacha)		25° 58' 13" S 32° 01' 32" E	547 m
Palmiera		25° 13' 02" S 32° 49' 56" E	
Rio Wanetsi (see Vaneteze river)		24° 29' 33" S 32° 10' 17" E	
Sabi river		25° 20' 00" S 32° 19' 00" E	
Vaneteze river		24° 29' 33" S 32° 10' 17" E	
(see also: Rio Wanetsi, Wanetsi river)			
Vila da Manhiça (see Manhiça)		25° 24' 08" S 32° 48' 26" E	57 m
Vila Salazar (see Matola)		25° 57' 44" S 32° 27' 32" E	3 m
Wanetsi river (see Vaneteze river)		24° 29' 33" S 32° 10' 17" E	
Mkuzi Reserve, border RSA and Mozambique			
Mount Jao			
Nampula province			
Bamboo Inn, outskirts of Nampula town		15° 06' 11" S 39° 13' 03" E	420 m
Cabaceira (see Cabaceira Pequena)		15° 00' 40" S 40° 45' 58" E	0 m
Cabaceira Pequena		15° 00' 40" S 40° 45' 58" E	0 m
(see also: Cabaceira)			
Concelho (see Mozambique Island)		15° 02' 00" S 40° 44' 00" E	
Ibo		14° 59' 00" S 40° 41' 00" E	
Inago, mount (see Mount Inago)		15° 04' 48" S 37° 23' 24" E	ca. 1200 m
Lumbo		15° 00' 38" S 40° 39' 59" E	0 m
Moçambique, Ilha de (see Mozambique Island)		15° 02' 00" S 40° 44' 00" E	
Mount Inago		15° 04' 48" S 37° 23' 24" E	ca. 1200 m
(see also: Inago, mount)			
Mount Inago Forest Camp		15° 02' 42" S 37° 23' 46" E	1478 m
Mozambique Island		15° 02' 00" S 40° 44' 00" E	
(see also: Concelho, Moçambique, Ilha de)			
Ribaue, 27 km W		14° 58' 15" S 38° 04' 46" E	
Niassa province			
Aldeia Milepa, Rukwa valley		11° 44' 02" S 36° 17' 32" E	476 m
(see also: Milepa)			
Kiboko, 23 km S (see Niassa Game Reserve)		12° 37' 27" S 37° 39' 23" E	
Meponda, on E bank Lake Niassa		13° 24' 05" S 34° 52' 14" E	590 m
Meponda, 10 km E		13° 22' 13" S 34° 56' 17" E	
Meponda, 6 km E, near Lake Niassa		13° 21' 53" S 34° 53' 53" E	601 m
Milepa (see Aldeia Milepa), Rukwa valley		11° 44' 02" S 36° 17' 32" E	476 m
Mount Mecula (see Serra Mecula)		12° 04' 48" S 37° 38' 24" E	1227 m
Niassa Game Reserve, 23 km S Kiboko		12° 37' 27" S 37° 39' 23" E	
(see also: Kiboko, 23 km S)			
Maputo Camp		12° 10' 56" S 37° 33' 01" E	
Nkuli Camp		12° 10' 09" S 38° 14' 34" E	
Niassa Game Reserve, S of		12° 52' 08" S 37° 41' 31" E	
Serra Mecula		12° 04' 48" S 37° 38' 24" E	1227 m
(see also: Mount Mecula)			
Sofala province			
Beira		19° 50' 37" S 34° 50' 20" E	14 m
Beira, 10 km N	ca.	19° 19' 00" S 34° 52' 00" E	
Beira, 20 mi [=32 km] N	ca.	19° 49' 00" S 34° 52' 00" E	
Beira, near	ca.	19° 50' 00" S 34° 51' 00" E	
Buzi river		19° 55' 40" S 33° 49' 42" E	
Cheringoma caves, E of Gorongosa National Park		18° 33' 53" S 34° 52' 19" E	
Chinizuia Forest		18° 58' 38" S 35° 03' 20" E	
Chupanga, Zambezi River		18° 01' 16" S 35° 33' 51" E	52 m
(see also: Lacerdónia, Shupanga)			
Dondo		19° 36' 34" S 34° 44' 35" E	56 m
(see also: Vila do Dondo)			
Dondo Forest		19° 36' 00" S 34° 44' 00" E	
Dondo, 8 km NW (see Mezimbite)		19° 35' 00" S 34° 43' 00" E	

Gorongosa Mountain (see Gorongosa, Serra de)		18° 24' 02" S 34° 04' 18" E	
Gorongosa National Park		18° 41' 25" S 34° 18' 49" E	
(see also: Gorongoza Game Reserve, Gorongoza National Park, Parque Nacional da Gorongosa, Parque Nacional de Caça)			
Bunga Inselberg		18° 35' 56" S 34° 20' 35" E	212 m
Cheringoma plateau	ca.	18° 37' 30" S 34° 44' 24" E	
Gorge Rim, Site 1		18° 38' 06" S 34° 48' 29" E	213 m
Chitengo Camp		18° 58' 44" S 34° 21' 05" E	
Envirotrade site		18° 58' 42" S 34° 10' 33" E	
Gorongosa National Park, cave at alpine-forest interface		18° 26' 05" S 34° 03' 06" E	
Gorongosa National Park, montain forest 1		18° 28' 00" S 34° 03' 02" E	
Gorongosa National Park, village below forest		18° 29' 02" S 34° 02' 35" E	
Gorongoza caves		18° 33' 53" S 34° 52' 19" E	
Morombozi River, below forest		18° 29' 02" S 34° 02' 35" E	
Muaredzi River, karst cave 1		18° 48' 42" S 34° 44' 12" E	
Muaredzi River, karst cave 2		18° 57' 17" S 34° 36' 47" E	
Gorongosa National Park (II)		18° 27' 54" S 34° 03' 07" E	1150 m
Gorongosa, Serra de		18° 24' 02" S 34° 04' 18" E	
(see also: Gorongosa Mountain, Gorongoza Mountain)			
Gorongoza Game Reserve (see Gorongosa National Park)		18° 41' 25" S 34° 18' 49" E	
Gorongoza Mountain (see Gorongosa, Serra de)		18° 24' 02" S 34° 04' 18" E	
Gorongoza National Park (see Gorongosa National Park)		18° 41' 25" S 34° 18' 49" E	
Gupata (camp), ca 50 mi [=80 km] NE Zinave		20° 43' 00" S 34° 30' 00" E	
(see also: Zinave, ca 50 mi [=80 km] NE)			
Inhaminga		18° 24' 13" S 34° 59' 45" E	309 m
Lacerdónia (see Chupanga), Zambezi River		18° 01' 16" S 35° 33' 51" E	52 m
Lagoa de Ura (see Ura, lagoa)		19° 42' 36" S 34° 19' 52" E	
Lake Ura (see Ura, lagoa)		19° 42' 36" S 34° 19' 52" E	
Masembeti	ca.	19° 36' 34" S 34° 44' 35" E	
Mehave, on Save river?		21° 04' 12" S 34° 45' 00" E	
Mezimbite, 8 km NW Dondo		19° 35' 00" S 34° 43' 00" E	
(see also: Dondo, 8 km NW)			
Nhamatanda		19° 16' 09" S 34° 12' 46" E	64 m
(see also: Vila Macahdo, Vila Machado, Vila Mahado)			
Nhamatanda, 3 km SE		19° 16' 59" S 34° 16' 59" E	
(see also: Vila Machado, 3 km SE)			
Parque Nacional da Gorongosa (see Gorongosa National Park)		18° 41' 25" S 34° 18' 49" E	
Parque Nacional de Caça (see Gorongosa National Park)		18° 41' 25" S 34° 18' 49" E	
Sena (see Vila de Sena), S of Zambezi River		17° 26' 30" S 35° 01' 38" E	69 m
Shupanga (see Chupanga), Zambezi River		18° 01' 16" S 35° 33' 51" E	52 m
Tambarara		18° 40' 15" S 34° 05' 54" E	423 m
Tica, 32 km S (see Ura, lagoa)		19° 42' 36" S 34° 19' 52" E	
Ura, lagoa, 32 km S Tica		19° 42' 36" S 34° 19' 52" E	
(see also: Lagoa de Ura, Lake Ura, Tica, 32 km S)			
Vila de Sena		17° 26' 30" S 35° 01' 38" E	69 m
(see also: Sena)			
Vila do Dondo (see Dondo)		19° 36' 34" S 34° 44' 35" E	56 m
Vila Macahdo (see Nhamatanda)		19° 16' 09" S 34° 12' 46" E	64 m
Vila Machado (see Nhamatanda)		19° 16' 09" S 34° 12' 46" E	64 m
Vila Machado, 3 km SE (see Nhamatanda, 3 km SE)		19° 16' 59" S 34° 16' 59" E	
Vila Mahado (see Nhamatanda)		19° 16' 09" S 34° 12' 46" E	64 m
Zimbiti		19° 33' 00" S 34° 45' 00" E	
Zinave, ca 50 mi [=80 km] NE (see Gupata (camp))		20° 43' 00" S 34° 30' 00" E	
Tete province			
Aldeia Chiuta		15° 33' 44" S 33° 17' 23" E	800 m
(see also: Chiúta, Chuta)			
Aldeia Muchena		15° 40' 56" S 33° 48' 20" E	356 m
(see also: Massamba, 10 mi [=16 km] E, Muchena, Tetane Muchena)			
Chiúta (see Aldeia Chiuta)		15° 33' 44" S 33° 17' 23" E	800 m
Chuta (see Aldeia Chiuta)		15° 33' 44" S 33° 17' 23" E	800 m
Furancungo, 30 mi [=48 km] NNW	ca.	14° 53' 00" S 33° 36' 00" E	
Kasumbadedza, 5 mi [=8 km] W Tete		16° 08' 32" S 33° 31' 47" E	
Mágoè		15° 48' 22" S 31° 45' 03" E	474 m
(see also: Magüè, Mague Novo, Mague, new)			
Magoe Velho		15° 41' 37" S 31° 40' 56" E	315 m
(see also: Màgoé Velho, Mágué, Magüè Velho)			

Màgoé Velho (see Magoe Velho)		15° 41' 37" S 31° 40' 56" E	315 m
Magüè (see Mágoè)		15° 48' 22" S 31° 45' 03" E	474 m
Mágué (see Magoe Velho)		15° 41' 37" S 31° 40' 56" E	315 m
Mague (New) Boroma		15° 49' 01" S 31° 43' 59" E	
Mague Novo (see Mágoè)		15° 48' 22" S 31° 45' 03" E	474 m
Magüè Velho (see Magoe Velho)		15° 41' 37" S 31° 40' 56" E	315 m
Mague, new (see Mágoè)		15° 48' 22" S 31° 45' 03" E	474 m
Massamba, 10 mi [=16 km] E (see Aldeia Muchena)		15° 40' 56" S 33° 48' 20" E	356 m
Moatize, 17 km E (see also: Muatize, 17 km E, Villa Moatize, 17 km E)		16° 05' 00" S 33° 42' 00" E	
Mualadze, Tete, 10 km N (see also: Mualadzi, Vila Gamito)		14° 09' 59" S 32° 59' 13" E	965 m
Mualadzi (see Mualadze), Tete, 10 km N		14° 09' 59" S 32° 59' 13" E	965 m
Muatize, 17 km E (see Moatize, 17 km E)		16° 05' 00" S 33° 42' 00" E	
Muchena (see Aldeia Muchena), 10 mi [=16 km] E Massamba		15° 40' 56" S 33° 48' 20" E	356 m
Tetane Muchena (see Aldeia Muchena)		15° 40' 56" S 33° 48' 20" E	356 m
Tete, on the Zambezi River (see also: Vila-de-Santiago-Maior)		16° 09' 23" S 33° 35' 12" E	140 m
Tete, 2 mi [=3.2 km] E	ca.	16° 10' 00" S 33° 37' 00" E	
Tete, 2 mi [=3.2 km] SE		16° 07' 00" S 33° 37' 00" E	
Tete, 5 mi [=8 km] W (see Magude, 45 km SW)		16° 08' 32" S 33° 31' 47" E	
Tete, near	ca.	16° 09' 23" S 33° 35' 12" E	
Vila Coutinho		14° 44' 04" S 34° 22' 22" E	1223 m
Vila Coutinho, 93 km S	ca.	15° 40' 19" S 34° 19' 56" E	
Vila Gamito (see Mualadze), Tete, 10 km N		14° 09' 59" S 32° 59' 13" E	965 m
Vila Gamito, 10 km N	ca.	14° 04' 01" S 33° 03' 00" E	
Vila-de-Santiago-Maior (see Tete), on the Zambezi River		16° 09' 23" S 33° 35' 12" E	140 m
Villa Moatize, 17 km E (see Moatize, 17 km E)		16° 05' 00" S 33° 42' 00" E	
ZambePC:ZA|)			
Boror, 12 mi NW Quellimane (see also: Quellimane, 12 mi [=19 km] NW)	ca.	17° 52' 00" S 36° 53' 00" E	
Chiperone, mount (see Mount Chiperone)		16° 30' 25" S 35° 43' 33" E	
Gurué Tea Plantation		15° 27' 44" S 37° 01' 09" E	1700 m
Gurué, 2.9 km N, 8.9 km E (see Vila Junqueiro, 2.9 km N, 8.9 km E), cave adjacent to Mount Muresi		15° 24' 49" S 37° 04' 28" E	984 m
Gurué, 6 km N, 10.8 km E (see Merrápué)		15° 24' 28" S 37° 04' 30" E	1111 m
Gurué, 7.6 km N, 7.2 km E (see Vila Junqueiro, 7.6 km N, 7.2 km E)		15° 23' 58" S 37° 02' 34" E	1707 m
Gurué, ca 8 km N, 8 km E		15° 23' 58" S 37° 02' 34" E	
Luabo		18° 23' 34" S 36° 06' 19" E	8 m
Mabu, mount (see also: Monte Mabu, Mount Mabu, Serra Mabu)		16° 16' 57" S 36° 22' 54" E	980 m
Merrápué, 6 km N, 10.8 km E Gurue, Malema river (see also: Gurué, 6 km N, 10.8 km E, Murabue)		15° 24' 28" S 37° 04' 30" E	1111 m
Moebase (see also: Moebaze)		17° 03' 47" S 38° 41' 39" E	0 m
Moebaze (see Moebase)		17° 03' 47" S 38° 41' 39" E	0 m
Monte Mabu (see Mabu, mount)		16° 16' 57" S 36° 22' 54" E	980 m
Mount Chiperone (see also: Chiperone, mount)		16° 30' 25" S 35° 43' 33" E	
Mount Mabu (see Mabu, mount)		16° 16' 57" S 36° 22' 54" E	
Mount Mabu forest camp		16° 16' 57" S 36° 22' 54" E	980 m
Mount Mabu, forest edge		16° 17' 11" S 36° 24' 11" E	
Mount Mabu, Site 7		16° 17' 11" S 36° 24' 11" E	
Mount Namuli (see also: Namuli, mount)		15° 23' 07" S 37° 04' 04" E	1200 m
Manho Forest (see also: Manhoe Forest)		15° 22' 09" S 37° 03' 41" E	
Manhoe Forest (see Manho Forest)		15° 22' 09" S 37° 03' 40" E	
Ukalini Forest	ca.	15° 23' 38" S 36° 59' 04" E	
Mount Namuli, base camp	ca.	15° 22' 00" S 37° 02' 00" E	
Murabue (see Merrápué), 6 km N, 10.8 km E Gurue, Malema river		15° 24' 28" S 37° 04' 30" E	1111 m
Muresi Swamp, SE of		15° 23' 58" S 37° 02' 34" E	
Nabaunama River, Nampula, 20 mi WSW		15° 37' 00" S 38° 52' 00" E	
Namuli, mount (see Mount Namuli)		15° 23' 07" S 37° 04' 04" E	1200 m
Norture Boror		17° 37' 00" S 36° 52' 00" E	
Quelimane (see also: Quilimane)		17° 52' 43" S 36° 53' 18" E	0 m
Quellimane, 12 mi [=19 km] NW (see Boror)	ca.	17° 52' 00" S 36° 53' 00" E	
Quilimane (see Quelimane)		17° 52' 43" S 36° 53' 18" E	0 m
Serra Mabu (see Mabu, mount)		16° 16' 57" S 36° 22' 54" E	980 m

Vila Junqueiro, 2.9 km N, 8.9 km E, cave adjacent to Mount Muresi (see also: Gurué, 2.9 km N, 8.9 km E)		15° 24' 49" S 37° 04' 28" E	984 m
Vila Junqueiro, 7.6 km N, 7.2 km E (see also: Gurué, 7.6 km N, 7.2 km E)		15° 23' 58" S 37° 02' 34" E	
Zambézia province (see also: Zambesia province |PC:ZA|)			
Namibia			
CapriPC:CA|)			
Cunene Falls			3350 ft
Cunene River (see also: Kunene River, Nourse River, Rio Cunene)	ca.	17° 15' 00" S 11° 45' 00" E	
Dose, 2 km S (see Dumushe water)		18° 14' 00" S 20° 52' 00" E	1072 m
Dumushe water, 2 km S Dose (see also: Dose, 2 km S)		18° 14' 00" S 20° 52' 00" E	1072 m
Erongo region			
Bergdmara (see Okombahe)		21° 40' 00" S 15° 10' 00" E	
Daan Viljoen Game Park (see also: Daan Viljoen Park)		22° 32' 00" S 16° 58' 00" E	
Daan Viljoen Park (see Daan Viljoen Game Park)		22° 32' 00" S 16° 58' 00" E	
DERU (see Namib Desert Research Station), Gobabeb		23° 33' 00" S 15° 02' 00" E	
E Kamombonde 86, 18 km S, 6 km E Omaruru (see also: Omaruru, 18 km S, 6 km E)		21° 30' 00" S 15° 56' 00" E	
Eausiro W 100, 35 km N, 27 km W Omaruru (see also: Omaruru, 35 km N, 27 km W)			
Eausiro, 27 km W and 100 km W (see Omaruru, 37 km N)		20° 58' 00" S 15° 18' 00" E	
Eronga Mountains (see Erongo Mountains)		21° 40' 00" S 15° 40' 00" E	
Evergreen Campsite		21° 26' 46" S 15° 52' 45" E	
Erongo Mountains (see also: Eronga Mountains, Erongoberge, Erongo-Gebirge)		21° 40' 00" S 15° 40' 00" E	
Ombu		21° 40' 00" S 15° 44' 00" E	
Erongoberge (see Erongo Mountains)		21° 40' 00" S 15° 40' 00" E	
Erongo-Gebirge (see Erongo Mountains)		21° 40' 00" S 15° 40' 00" E	
Erongorus Usakos, Ombu		21° 44' 00" S 15° 29' 00" E	
Farm Otjikoko Sud 61, 48 km ENE Omaruru (see also: Omaruru, 48 km ENE, Pipistrelle Cave)		21° 18' 00" S 16° 27' 00" E	
Farm Witwatersrand 521, near Granite kop, Damaraland		20° 52' 30" S 14° 37' 30" E	
Goas		22° 13' 00" S 15° 45' 00" E	
Gobabeb, 19 mi [=30.5 km] (see Swakopmund)		23° 41' 00" S 14° 32' 00" E	1 m
Karibib		21° 56' 00" S 15° 50' 00" E	1139 m
Karibib district			
Farm Okandukaseibe 27, 47 km S Wilhelmstal (see also: Wilhelmstal, 47 km S)		21° 33' 00" S 16° 06' 00" E	
Wilhelmstal, 47 km S (see Farm Okandukaseibe 27)		21° 33' 00" S 16° 06' 00" E	
Karibib, 80 mi [=129 km] E (see Otjimbingwe)		22° 21' 00" S 16° 08' 00" E	844 m
Kuiseb River, Gobabeb		23° 22' 00" S 15° 40' 00" E	
Namib Desert Park (see also: Namib Woestynpark, Namib-Naukluft Desert Park)		23° 05' 00" S 15° 10' 00" E	
Bats cave (see Bats Hole)		22° 39' 00" S 15° 31' 00" E	
Bats Hole (see also: Bats cave)		22° 39' 00" S 15° 31' 00" E	
Ganab water hole		23° 07' 00" S 15° 32' 00" E	
Gobabeb (see also: Gobabeb Station)		23° 33' 00" S 15° 02' 00" E	401 m
Gobabeb Station (see Gobabeb), in Villa...		23° 33' 00" S 15° 02' 00" E	401 m
Tumasberg		23° 07' 30" S 15° 37' 30" E	
Namib Desert Research Station, Gobabeb (see also: DERU)		23° 33' 00" S 15° 02' 00" E	
Namib Woestynpark (see Namib Desert Park)		23° 05' 00" S 15° 10' 00" E	
Namib-Naukluft Desert Park (see Namib Desert Park)		23° 05' 00" S 15° 10' 00" E	
Oakwengaga		22° 40' 00" S 14° 50' 00" E	
Okambe, 10 mi [=16 km] NE	ca.	20° 48' 00" S 15° 02' 00" E	
Okombahe (see also: Bergdmara, Okombahe Native Reserve, Reserwe Okombahe)		21° 40' 00" S 15° 10' 00" E	
Uis Tin Mine (see also: United States' Tine Mine)		21° 14' 00" S 14° 52' 00" E	
United States' Tine Mine (see Uis Tin Mine)		21° 14' 00" S 14° 52' 00" E	
Okombahe Native Reserve (see Okombahe)		21° 40' 00" S 15° 10' 00" E	

Okombane district		
Omaruru	21° 26' 00" S 15° 56' 00" E	1185 m
Omaruru district	21° 30' 00" S 16° 00' 00" E	
Farm 39 (Opelo Süd) (see Farm Opelo Süd 39)	21° 16' 52" S 15° 59' 50" E	1300 m
Farm 91 (Tjirundo) (see Farm Tjirundo 91)	21° 12' 50" S 15° 52' 20" E	1300 m
Farm Opelo Süd 39, 14.9 km N, 4.6 km E Omaruru (see also: Farm 39 (Opelo Süd), Omaruru, 6 km E, Opelo Süd, Farm 39)	21° 16' 52" S 15° 59' 50" E	1300 m
Farm Tjirundo 91, Omaruru, 24.5 km N, 7.8 km W (see also: Farm 91 (Tjirundo), Tjirundo, Farm 91)	21° 12' 50" S 15° 52' 20" E	1300 m
Okombahe, 10 mi [=16 km] W	21° 17' 35" S 15° 15' 43" E	
Omaruru, 6 km E (see Farm Opelo Süd 39)	21° 16' 52" S 15° 59' 50" E	1300 m
Opelo Süd, Farm 39 (see Farm Opelo Süd 39)	21° 16' 52" S 15° 59' 50" E	1300 m
Tjirundo, Farm 91 (see Farm Tjirundo 91)	21° 12' 50" S 15° 52' 20" E	1300 m
Omaruru, 18 km S, 6 km E (see E Kamombonde 86)	21° 30' 00" S 15° 56' 00" E	
Omaruru, 35 km N, 27 km W (see Eausiro W 100)		
Omaruru, 37 km N, 27 km W and 100 km W Eausiro (see also: Eausiro, 27 km W and 100 km W)	20° 58' 00" S 15° 18' 00" E	
Omaruru, 48 km ENE (see Farm Otjikoko Sud 61)	21° 18' 00" S 16° 27' 00" E	
Omburo (farmstead) (see also: Omburu)	21° 18' 00" S 16° 12' 00" E	
Omburu (see Omburo (farmstead))	21° 18' 00" S 16° 12' 00" E	
Ondongwa, 32 km W (see Otjoro)	22° 15' 00" S 16° 10' 00" E	
Otjihoro (see Otjoro), 32 km W Ondongwa,	22° 15' 00" S 16° 10' 00" E	
Otjikoko Sud 61, 48 km ENE Omaruru	21° 18' 00" S 16° 27' 00" E	
Otjimbingue (see Otjimbingwe), 80 mi E Karibib	22° 21' 00" S 16° 08' 00" E	844 m
Otjimbingwe, 80 mi E Karibib (see also: Karibib, 80 mi [=129 km] E, Otjimbingue)	22° 21' 00" S 16° 08' 00" E	844 m
Otjoro, 32 km W Ondongwa, (see also: Ondongwa, 32 km W, Otjihoro)	22° 15' 00" S 16° 10' 00" E	
Pipistrelle Cave (see Farm Otjikoko Sud 61), 48 km ENE Omaruru	21° 18' 00" S 16° 27' 00" E	
Reserwe Okombahe (see Okombahe)	21° 40' 00" S 15° 10' 00" E	
Richthoven	22° 38' 00" S 14° 44' 00" E	110 m
Rooibank, near Sandwich Bay	23° 11' 00" S 14° 39' 00" E	148 m
Swakopmund, 19 mi from Gobabeb (see also: Gobabeb, 19 mi [=30.5 km])	23° 41' 00" S 14° 32' 00" E	1 m
Swakopmund district	23° 00' 00" S 15° 00' 00" E	
Walfischbay (see Walvis Bay)	22° 57' 27" S 14° 30' 19" E	17 m
Walfisch-Bucht-Niederland (see Walvis Bay)	22° 57' 27" S 14° 30' 19" E	17 m
Walvis Bay (see also: Walfischbay, Walfisch-Bucht-Niederland, Walvisbaai)	22° 57' 27" S 14° 30' 19" E	17 m
Walvisbaai (see Walvis Bay)	22° 57' 27" S 14° 30' 19" E	17 m
Farm Sissekab (see also: Sissekab, Farm)		
Hardap region		
Aandster, Farm 147 (see Farm Aandster 147)	25° 23' 00" S 16° 04' 00" E	
Farm 147 (Aandster) (see Farm Aandster 147)	25° 23' 00" S 16° 04' 00" E	
Farm Aandster 147 (see also: Aandster, Farm 147, Farm 147 (Aandster))	25° 23' 00" S 16° 04' 00" E	
Farm Zwartmodder 101, 70 km W Maltahohe (see also: Maltahohe, 70 km W)	24° 54' 00" S 16° 17' 00" E	
Felseneck/Naukluft	24° 22' 00" S 15° 57' 00" E	
Gemsbok Pan	23° 45' 00" S 19° 05' 00" E	
Gorrasis, 110 km WSW Maltahöhe (see also: Maltahohe, 110 km WSW)		
Kobos, 38 mi SW Rehoboth (see also: Rehoboth, 38 mi [=61 km] SW)	23° 35' 00" S 16° 40' 00" E	1622 m
Kriess/White Rand	25° 02' 00" S 18° 13' 01" E	
Maltahöhe district	25° 00' 00" S 16° 30' 00" E	
Maltahohe, 110 km WSW (see Gorrasis)		400 m
Maltahohe, 70 km W (see Farm Zwartmodder 101)	24° 54' 00" S 16° 17' 00" E	
Marienthal	24° 38' 00" S 17° 58' 00" E	1114 m
Naukluft Mountain Zebra Park (see also: Naukluft National Park)	24° 13' 00" S 16° 13' 00" E	
De Valle, 40 km N Felseneck	24° 18' 00" S 16° 00' 00" E	
Felseneck, 40 km N	24° 18' 00" S 16° 00' 00" E	
Naukluft National Park (see Naukluft Mountain Zebra Park)	24° 13' 00" S 16° 13' 00" E	
Rehobot district		
Matchless Mine, between Windhoek & Rehoboth	22° 41' 00" S 16° 50' 00" E	1800 m
Rehoboth	23° 19' 00" S 17° 05' 00" E	1382 m
Rehoboth, 38 mi [=61 km] SW (see Kobos)	23° 35' 00" S 16° 40' 00" E	1622 m

Twee Koppies (see Tweekoppies)	22° 58' 00" S 17° 24' 00" E	1696 m
Tweekoppies	22° 58' 00" S 17° 24' 00" E	1696 m
(see also: Twee Koppies)		
Zwartmodder 101, Maltahöhe	24° 54' 00" S 16° 17' 00" E	
Karas region		
Aus, 1 km W	26° 40' 00" S 16° 16' 00" E	1483 m
Aus, 3 km W (see Klein Aus Farm 8)	26° 39' 00" S 16° 15' 00" E	
Bethanien district	26° 30' 00" S 17° 00' 00" E	
Fish River Canyon	27° 30' 00" S 17° 40' 00" E	600 m
Bruckaros, mount (see Brukkaros, mount)	25° 52' 00" S 17° 48' 00" E	
Brukkaros, mount	25° 52' 00" S 17° 48' 00" E	
(see also: Bruckaros, mount, Geitsi-Gubeb, Geitsigubib, Groot Bruckaros, Groot Brukaros, Mount Brukaros, Mount Brukharos, Mount Brukkaros)		
Farm Huns 106	27° 23' 00" S 17° 23' 00" E	
Farm Kanaän, 70 km W Helmeringhausen, Edge of Diamond area nr 2	25° 52' 00" S 16° 07' 00" E	
(see also: Helmeringhausen, 70 km W)		
Farm Rheinvels, 35 km SSW Keetmanshoop	26° 57' 00" S 17° 26' 00" E	
(see also: Keetmanshoop, 35 km SSW)		
Farm Welverdiend 328, 89 km ENE Koes		
(see also: Koes, 89 km ENE)		
Geitsi-Gubeb (see Brukkaros, mount)	25° 52' 00" S 17° 48' 00" E	
Geitsigubib (see Brukkaros, mount)	25° 52' 00" S 17° 48' 00" E	
Goodhouse (see Goodhouse se Poort)	28° 48' 00" S 18° 15' 00" E	
Goodhouse se Poort	28° 48' 00" S 18° 15' 00" E	
(see also: Goodhouse)		
Great Brukoros Mountains		
Berseba	25° 59' 00" S 17° 47' 00" E	926 m
Great Karas Mountains		
Kochina	27° 12' 00" S 18° 52' 00" E	
Groot Bruckaros (see Brukkaros, mount)	25° 52' 00" S 17° 48' 00" E	
Groot Brukaros (see Brukkaros, mount)	25° 52' 00" S 17° 48' 00" E	
Helmeringhausen, 70 km W (see Farm Kanaän), Edge of Diamond area nr 2	25° 52' 00" S 16° 07' 00" E	
Kaes, 17 km N, 88 km E (see Welverdien Farm 328)	25° 42' 00" S 19° 59' 00" E	
Karasberg district (see Karasburg district)	28° 00' 00" S 18° 30' 00" E	
Karasburg district	28° 00' 00" S 18° 30' 00" E	
(see also: Karasberg district, Warmbad district)		
Farm 331 (Kanabeam) (see Farm Kanabeam 331)	28° 09' 00" S 17° 31' 00" E	375 m
Farm Kanabeam 331	28° 09' 00" S 17° 31' 00" E	375 m
(see also: Farm 331 (Kanabeam), Kanabeam, Farm 331)		
Kanabeam, Farm 331 (see Farm Kanabeam 331)	28° 09' 00" S 17° 31' 00" E	375 m
Keetmanshoop	26° 35' 00" S 18° 08' 00" E	984 m
Keetmanshoop district	26° 30' 00" S 19° 00' 00" E	
Keetmanshoop, 35 km SSW (see Farm Rheinvels)	26° 57' 00" S 17° 26' 00" E	
Klein Aus Farm 8, 3 km W Aus	26° 39' 00" S 16° 15' 00" E	
(see also: Aus, 3 km W)		
Koës	25° 57' 00" S 19° 07' 00" E	976 m
Koes, 89 km ENE (see Farm Welverdiend 328)		
Kuibis (farmstead)	26° 41' 00" S 16° 52' 00" E	
Lüderitz district	25° 30' 00" S 16° 00' 00" E	
Mount Brukaros (see Brukkaros, mount)	25° 52' 00" S 17° 48' 00" E	
Mount Brukharos (see Brukkaros, mount)	25° 52' 00" S 17° 48' 00" E	
Mount Brukkaros (see Brukkaros, mount)	25° 52' 00" S 17° 48' 00" E	
Namib Berge (see Tiras Mountains)	26° 08' 00" S 16° 30' 00" E	
Orange Mouth (see Oranjemund), Swartkop Diamond area Nr 1	28° 33' 00" S 16° 26' 00" E	29 m
Orangemund (see Oranjemund), Swartkop Diamond area Nr 1	28° 33' 00" S 16° 26' 00" E	29 m
Oranjemond (see Oranjemund), Swartkop Diamond area Nr 1	28° 33' 00" S 16° 26' 00" E	29 m
Oranjemund, Swartkop Diamond area Nr 1	28° 33' 00" S 16° 26' 00" E	29 m
(see also: Orange Mouth, Orangemund, Oranjemond, Swartkop Diamond Area No.1)		
Rosh Pina (see Rosh Pinah)	27° 57' 00" S 16° 46' 00" E	
Rosh Pinah	27° 57' 00" S 16° 46' 00" E	
(see also: Rosh Pina)		
Spitzkopje	26° 24' 00" S 18° 28' 00" E	
Swartkop Diamond Area No.1 (see Oranjemund)	28° 33' 00" S 16° 26' 00" E	29 m
Tiras Mountains	26° 08' 00" S 16° 30' 00" E	
(see also: Namib Berge, Tirasberge)		
Helmeringshausen	25° 53' 00" S 16° 49' 00" E	1390 m
Tirasberge (see Tiras Mountains)	26° 08' 00" S 16° 30' 00" E	

Warmbad district (see Karasburg district)	28° 00' 00" S 18° 30' 00" E	
Welverdien Farm 328, 17 km N, 88 km E Kaes (see also: Kaes, 17 km N, 88 km E)	25° 42' 00" S 19° 59' 00" E	
Karibib or Okahandja		
Kavango East		
Dosa	18° 13' 00" S 20° 51' 00" E	1061 m
Karakuwisa (see Karakuwise)	18° 56' 00" S 19° 44' 00" E	1350 m
Karakuwise (see also: Karakuwisa, Karkubera)	18° 56' 00" S 19° 44' 00" E	1350 m
Karkubera (see Karakuwise)	18° 56' 00" S 19° 44' 00" E	1350 m
Kaudom Omarumba (see Khaudum Omarumba Waterhole)	18° 30' 36" S 20° 46' 27" E	
Khaudum Omarumba Waterhole (see also: Kaudom Omarumba)	18° 30' 36" S 20° 46' 27" E	
Nyangana	18° 00' 00" S 20° 41' 00" E	1020 m
Omega	18° 03' 00" S 22° 11' 00" E	
Omega, 12 km E	18° 07' 30" S 22° 22' 30" E	
Omuramba Khaundum, S Fork near junction with N Fork, 66 km S 113 km E Rundu (see also: Rundu, 66 km S 113 km E)		
Omuramba, Omatako	17° 57' 10" S 20° 28' 20" E	
Papa Falls	18° 07' 30" S 21° 37' 30" E	
Rundu district		
Numkaub	18° 36' 00" S 19° 42' 00" E	1250 m
Okavango-Omataka river junction	17° 57' 10" S 20° 28' 20" E	1080 m
Ssannakanu village	18° 06' 00" S 20° 23' 00" E	1100 m
Rundu, 66 km S 113 km E (see Omuramba Khaundum, S Fork near junction with N Fork)		
Kavango region (see Okavango region)		
Kavango West		
Elephant Vlei (see Olifants Vlei)	17° 30' 00" S 18° 00' 00" E	
Elephant Vley (see Olifants Vlei)	17° 30' 00" S 18° 00' 00" E	
Gcangcu	17° 57' 00" S 19° 11' 00" E	1143 m
Olifants Vlei (see also: Elephant Vlei, Elephant Vley, Olifant's Vlei)	18° 00' 00" S 17° 30' 00" E	
Olifant's Vlei (see Olifants Vlei)	17° 30' 00" S 18° 00' 00" E	
Khomas region		
Alte Feste	22° 37' 30" S 17° 07' 30" E	
Arnhem, 80 km E	22° 41' 00" S 18° 08' 00" E	
Autabib 100	23° 00' 00" S 17° 41' 00" E	
Farm Finkenstein, 12 mi [=19 km] E Windhoek (see also: Finkenstein, Farm, Windhoek, 12 mi [=19 km] E)	22° 33' 06" S 17° 14' 47" E	
Farm Hohewarte (see also: Hohewarte, Farm, Windhoek, 47 mi [=75 km] E)	22° 38' 29" S 17° 24' 30" E	
Finkenstein, Farm (see Farm Finkenstein), 12 mi [=19 km] E Windhoek	22° 33' 06" S 17° 14' 47" E	
Hohewarte, Farm (see Farm Hohewarte)	22° 38' 29" S 17° 24' 30" E	
Hot Spring	22° 37' 00" S 17° 07' 00" E	
Klein Windhoek	22° 34' 44" S 17° 06' 03" E	1867 m
Liebig's Ranch	22° 38' 00" S 16° 53' 00" E	
Neuhof-Kowas Farm, near Windhoek	22° 34' 00" S 17° 06' 00" E	
New Dam	22° 34' 00" S 17° 06' 00" E	
Okatumba Sud	22° 37' 30" S 17° 52' 30" E	
Otjihua 180 (farmstead), 33 km N, 74 km E Windhoek (see also: Windhoek, 33 km N, 74 km E)	22° 06' 00" S 17° 55' 00" E	
Otjihua 182, 33 km N, 74 km E Windhoek (see also: Windhoek, 33 km N, 74 km E)	22° 06' 00" S 17° 55' 00" E	
Otjihua 185, 33 km N, 74 km E Windhoek (see also: Windhoek, 33 km N, 74 km E)	22° 06' 00" S 17° 55' 00" E	
Pioniers Park, Windhoek	22° 36' 00" S 17° 03' 51" E	1694 m
Windhoek district		
Arnheim Farm (see Farm Arnhem)	22° 29' 00" S 18° 08' 00" E	1500 m
Farm Arnem (see Farm Arnhem), 80 mi E Windhoek	22° 41' 00" S 18° 08' 00" E	1500 m
Farm Arnheim (see Farm Arnhem), 26.0 km S, 89.0 km W Gobabis (see also: Gobabis, 26.0 km S, 89.0 km W)	22° 29' 00" S 18° 08' 00" E	1500 m
Farm Arnhem, 80 mi E Windhoek; 26.0 km S, 89.0 km W Gobabis (see also: Arnheim Farm, Farm Arnem, Farm Arnheim, Windhoek, 80 mi [=129 km] E)	22° 29' 00" S 18° 08' 00" E	1500 m
Gobabis, 26.0 km S, 89.0 km W (see Farm Arnheim)	22° 29' 00" S 18° 08' 00" E	1500 m

Okatumba SA197 [Farmstead], 30 km N, 68 km E Windhoek (see also: Windhoek, 30 km N, 68 km E)		22° 19' 00" S 17° 40' 00" E	
Windhoek (see also: Windhuk)		22° 34' 12" S 17° 05' 01" E	1721 m
Windhoek, 30 km N, 68 km E (see Okatumba SA197 [Farmstead])		22° 19' 00" S 17° 40' 00" E	
Windhoek, 80 mi [=129 km] E (see Farm Arnhem)		22° 41' 00" S 18° 08' 00" E	1500 m
Windhuk (see Windhoek)		22° 34' 12" S 17° 05' 01" E	1721 m
Windhoek Hoerskloof		22° 37' 30" S 17° 07' 30" E	
Windhoek, 12 mi [=19 km] E (see Farm Finkenstein)		22° 33' 06" S 17° 14' 47" E	
Windhoek, 33 km N, 74 km E (see Otjihua 180 (farmstead))		22° 06' 00" S 17° 55' 00" E	
Windhoek, 33 km N, 74 km E (see Otjihua 182)		22° 06' 00" S 17° 55' 00" E	
Windhoek, 33 km N, 74 km E (see Otjihua 185)		22° 06' 00" S 17° 55' 00" E	
Windhoek, 47 mi [=75 km] E (see Farm Hohewarte)		22° 38' 29" S 17° 24' 30" E	
Windoek, 30 km N, 68 km E	ca.	22° 06' 00" S 17° 55' 00" E	
Kunene region			
Epupa Falls, Cunene River (see also: Monte Negro, Queaas do, Montenegro Fälle, Quedas Montenegro)		17° 00' 00" S 13° 15' 00" E	
Farm Driekrone 516		20° 37' 30" S 14° 37' 30" E	
Farm Eindpaal 429		19° 22' 30" S 15° 37' 30" E	
Farm Ombonde 616, 40 km W Kamanjab (see also: Kamanjab, 40 km W)		19° 33' 00" S 14° 32' 00" E	
Great Ombathu		17° 46' 00" S 13° 43' 00" E	
Kamanjab, 40 km W (see Farm Ombonde 616)		19° 33' 00" S 14° 32' 00" E	
Kamanjab, 40 km W (see Ombonde Farm 616)		19° 34' 00" S 14° 29' 00" E	
Kaoko Veld, S part	ca.	19° 00' 00" S 13° 00' 00" E	
Karochos		20° 22' 00" S 14° 58' 00" E	
Monte Negro, Queaas do (see Epupa Falls), Cunene River		17° 00' 00" S 13° 15' 00" E	
Montenegro Fälle (see Epupa Falls), Cunene River		17° 00' 00" S 13° 15' 00" E	
Ohamuheke (see Sesfontein)		19° 08' 00" S 13° 37' 00" E	628 m
Ombonde Farm 616, 40 km W Kamanjab (see also: Kamanjab, 40 km W)		19° 34' 00" S 14° 29' 00" E	
Opuwo district			
Catarata Roacana (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Catarata Ruacaná (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Cataratas de Ruacaná (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Cunene Falls (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Ehomba (see also: Ehomba Mountains, Ehombo, Ehomboberge)		17° 35' 00" S 13° 55' 00" E	800 m
Ehomba Mountains (see Ehomba)		17° 35' 00" S 13° 55' 00" E	800 m
Ehombo (see Ehomba)		17° 35' 00" S 13° 55' 00" E	800 m
Ehomboberge (see Ehomba)		17° 35' 00" S 13° 55' 00" E	800 m
Gauko-Otavi (see Kaoko Otavi)		18° 18' 00" S 13° 42' 00" E	1471 m
Gauko-Otawi (see Kaoko Otavi)		18° 18' 00" S 13° 42' 00" E	1471 m
Kaoko Otavi (see also: Gauko-Otavi, Gauko-Otawi, Kaoko-Otavi)		18° 18' 00" S 13° 42' 00" E	1370 m
Kaoko-Otavi (see Kaoko Otavi)		18° 18' 00" S 13° 42' 00" E	1370 m
Ohopoho (see Opuwo)		18° 04' 00" S 13° 51' 00" E	1194 m
Ohopuho (see Opuwo)		18° 04' 00" S 13° 51' 00" E	1194 m
Okorosave		18° 11' 00" S 13° 50' 00" E	1370 m
Ombombo (waterhole)		18° 41' 00" S 13° 57' 00" E	1400 m
Opuwa (see Opuwo)		18° 04' 00" S 13° 51' 00" E	1194 m
Opuwo (see also: Ohopoho, Ohopuho, Opuwa)		18° 04' 00" S 13° 51' 00" E	1194 m
Otjitundua (see Otjitunduwa)		18° 37' 00" S 14° 08' 00" E	1517 m
Otjitunduwa (see also: Otjitundua)		18° 37' 00" S 14° 08' 00" E	1517 m
Otjumbumbi, N.W. Ovamboland, 15 mi above Cunene Falls, Cunene river		17° 24' 00" S 14° 25' 00" E	3400 ft
Qoabendus		19° 17' 00" S 14° 31' 00" E	1205 m
Quedas do Ruacaná (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Roacana, Catarata (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Ruacana Falls (see also: Catarata Roacana, Catarata Ruacaná, Cataratas de Ruacaná, Cunene Falls, Quedas do Ruacaná, Roacana, Catarata, Ruacaná, Catarata, Ruacaná, Cataratas de, Ruacaná, Quedas do)		17° 23' 00" S 14° 12' 00" E	3350 ft
Ruacaná, Catarata (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Ruacaná, Cataratas de (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft

Ruacaná, Quedas do (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Tshimhaka, Cunene river		17° 20' 00" S 13° 50' 00" E	670 m
Osjitambi farm, Kaoko Veld, ca. 80 mi NW Outjo (see also: Outjo, ca. 80 mi [=129 km] NW)			
Otjitotongwe Farm		19° 36' 22" S 15° 04' 11" E	
Otjosongombe (see Otjozongombe), Waterberg		18° 50' 00" S 13° 58' 00" E	1271 m
Otjozongombe, Waterberg (see also: Otjosongombe)		18° 50' 00" S 13° 58' 00" E	1271 m
Otyo district (see Outjo district)		19° 30' 00" S 15° 30' 00" E	
Outjo district (see also: Otyo district)		19° 30' 00" S 15° 30' 00" E	
Blou-Bok Draai, Etosha, 4 km S, 2 km E Namutoni (see also: Namutoni, 4 km S, 2 km E)		18° 56' 00" S 18° 49' 00" E	1100 m
Farm 111 (Geduld) (see Farm Geduld 111)		20° 17' 49" S 15° 49' 57" E	1020 m
Farm 113 (Musterland) (see Farm Musterland 113)		20° 14' 16" S 15° 53' 00" E	1200 m
Farm 25 (Otjitambi) (see Farm Otjitambi 25)		19° 48' 00" S 15° 11' 00" E	1150 m
Farm 376 (Mooihoek) (see Farm Mooihoek 376)		20° 08' 45" S 15° 52' 48" E	1360 m
Farm 428 (Windpoort) (see Farm Windpoort 428)		19° 21' 29" S 15° 29' 02" E	
Farm Geduld 111, 21.1 km S, 33.3 km W Outjo (see also: Farm 111 (Geduld), Geduld, Farm 111, Outjo, 21.1 km S, 33.3 km W)		20° 17' 49" S 15° 49' 57" E	1020 m
Farm Geduld 111, 18.9 km S, 35.1 km W Outjo (see also: Outjo, 18.9 km S, 35.1 km W)		20° 16' 37" S 15° 48' 53" E	1100 m
Farm Mooihoek 376, 4.4 km S, 28.3 km W Outjo (see also: Farm 376 (Mooihoek), Mooihoek, Farm 376, Outjo, 4.4 km S, 28.3 km W)		20° 08' 45" S 15° 52' 48" E	1360 m
Farm Musterland 113, 14.5 km S, 28 km W Outjo (see also: Farm 113 (Musterland), Musterland, Farm 113, Outjo, 14.5 km S, 28 km W)		20° 14' 16" S 15° 53' 00" E	1200 m
Farm Otjitambi 25, 20 km S, 35 km E Outjo [Kamanjab] (see also: Farm 25 (Otjitambi), Otjitambi, Farm 25, Outjo, 20 km S, 35 km E)		19° 48' 00" S 15° 11' 00" E	1150 m
Farm Windpoort 428 (see also: Farm 428 (Windpoort), Windpoort Farm 428)		19° 21' 29" S 15° 29' 02" E	
Geduld, Farm 111 (see Farm Geduld 111)		20° 17' 49" S 15° 49' 57" E	1020 m
Mooihoek, Farm 376 (see Farm Mooihoek 376)		20° 08' 45" S 15° 52' 48" E	1360 m
Musterland, Farm 113 (see Farm Musterland 113)		20° 14' 16" S 15° 53' 00" E	1200 m
Namutoni, 4 km S, 2 km E (see Blou-Bok Draai, Etosha)		18° 56' 00" S 18° 49' 00" E	1100 m
Otjitambi, Farm 25 (see Farm Otjitambi 25)		19° 48' 00" S 15° 11' 00" E	1150 m
Otyo (see Outjo)		20° 07' 00" S 16° 09' 00" E	1216 m
Outjo (see also: Otyo)		20° 07' 00" S 16° 09' 00" E	1216 m
Outjo, 14.5 km S, 28 km W (see Farm Musterland 113)		20° 14' 16" S 15° 53' 00" E	1200 m
Outjo, 18.9 km S, 35.1 km W (see Farm Geduld 111)		20° 16' 37" S 15° 48' 53" E	1100 m
Outjo, 20 km S, 35 km E (see Farm Otjitambi 25)		19° 48' 00" S 15° 11' 00" E	1150 m
Outjo, 21.1 km S, 33.3 km W (see Farm Geduld 111)		20° 17' 49" S 15° 49' 57" E	1020 m
Outjo, 4.4 km S, 28.3 km W (see Farm Mooihoek 376)		20° 08' 45" S 15° 52' 48" E	1360 m
Windpoort Farm 428 (see Farm Windpoort 428)		19° 21' 29" S 15° 29' 02" E	
Outjo, ca. 80 mi [=129 km] NW (see Osjitambi farm), Kaoko Veld			
Quedas Montenegro (see Epupa Falls), Cunene River		17° 00' 00" S 13° 15' 00" E	
Sesfontein (see also: Ohamuheke, Zesfontein, Zessfontein)		19° 08' 00" S 13° 37' 00" E	628 m
Skedelkus Park (see Skeleton Coast Park)		20° 00' 00" S 13° 20' 00" E	
Skeleton Coast Park (see also: Skedelkus Park)		20° 00' 00" S 13° 20' 00" E	
Brandberg Wes Mine		21° 00' 00" S 14° 09' 00" E	
Hoanib R., floodplain		19° 23' 00" S 13° 06' 00" E	
Jack Scott Bridge, Haub River		20° 54' 00" S 13° 28' 00" E	
Swartbooisdrift, Cunene river		17° 20' 00" S 13° 50' 00" E	
Zesfontein (see Sesfontein)		19° 08' 00" S 13° 37' 00" E	628 m
Zessfontein (see Sesfontein)		19° 08' 00" S 13° 37' 00" E	628 m
Kunene River (see Cunene River)	ca.	17° 15' 00" S 11° 45' 00" E	
Litembo			
Nassengehöhle			
Nourse River (see Cunene River)	ca.	17° 15' 00" S 11° 45' 00" E	
Ohangwena region			
Eenhana		17° 28' 00" S 16° 20' 00" E	1108 m
Okadjessoambo			
Okavango region (see also: Kavango region)			

Omaheke region		
Arnhem Cave (Rest Camp)	23° 27' 00" S 18° 32' 00" E	
Eiseb river, 7 km ESE Vet fence, Therosvallei (see also: Vet fence, 7 km ESE)	20° 37' 30" S 20° 07' 30" E	
Farm 397	22° 12' 00" S 18° 58' 00" E	
Gobabis district	22° 30' 00" S 19° 00' 00" E	
Farm 468 (Sandfontein) (see Farm Sandfontein 468)	22° 18' 00" S 19° 59' 00" E	4100 ft
Farm Sandfontein 468, Gobabis, E (see also: Farm 468 (Sandfontein), Sandfontein (farmstead), Sandfontein, Farm 468)	22° 18' 00" S 19° 59' 00" E	4100 ft
Gobabis	22° 27' 00" S 18° 58' 00" E	4650 ft
Gobabis, 40 mi [=64 km] W (see Witvlei)	22° 24' 00" S 18° 29' 00" E	1250 m
Karolinenhof [farmstead]	22° 27' 00" S 19° 52' 00" E	4000 ft
Okatjomboa	21° 30' 00" S 18° 30' 00" E	1500 m
Sandfontein (farmstead) (see Farm Sandfontein 468)	22° 18' 00" S 19° 59' 00" E	4100 ft
Sandfontein, Farm 468 (see Farm Sandfontein 468)	22° 18' 00" S 19° 59' 00" E	4100 ft
Witvlei, 40 mi [=64 km] W Gobabis (see also: Gobabis, 40 mi [=64 km] W, Witvley)	22° 24' 00" S 18° 29' 00" E	1250 m
Witvley (see Witvlei), 40 mi [=64 km] W Gobabis	22° 24' 00" S 18° 30' 00" E	1250 m
Hereroland East	20° 45' 00" S 19° 45' 00" E	
Oas (farmstead)	22° 36' 00" S 19° 24' 00" E	
Vet fence, 7 km ESE (see Eiseb river), Therosvallei	20° 37' 30" S 20° 07' 30" E	
Omusati region		
Oemabantoe (see Ombalantu)	17° 30' 00" S 14° 58' 00" E	
Ombalantu (see also: Oemabantoe)	17° 30' 00" S 14° 58' 00" E	
Orongo Water Affairs Camp	17° 42' 00" S 15° 17' 00" E	
Oshikanga (see Oshikango)	17° 24' 00" S 15° 53' 00" E	1099 m
Oshikango (see also: Oshikanga)	17° 24' 00" S 15° 53' 00" E	1099 m
Rua Cana (see Ruacana)	17° 26' 00" S 14° 21' 00" E	1146 m
Ruacana (see also: Rua Cana)	17° 26' 00" S 14° 21' 00" E	1146 m
Ukualuisi	17° 32' 00" S 14° 37' 00" E	3390 ft
Uutapi district		
Rehoboth Mission Station, 32 mi [=51.5 km] NW (see Ukualukasi)	17° 32' 00" S 14° 37' 00" E	3400 ft
Ukualukasi, 32 mi NW Rehoboth Mission Station (see also: Rehoboth Mission Station, 32 mi [=51.5 km] NW)	17° 32' 00" S 14° 37' 00" E	3400 ft
Ondongera		3380 ft
Oserikari		
Oshana region		
Etosha Game Park (see Etosha National Park)	19° 00' 00" S 16° 00' 00" E	
Etosha Game Reserve (see Etosha National Park)	19° 00' 00" S 16° 00' 00" E	
Etosha Game Reserve (see Etosha National Park)	19° 00' 00" S 16° 00' 00" E	
Etosha National Game Reserve (see Etosha National Park)	19° 00' 00" S 16° 00' 00" E	
Etosha National Park (see also: Etosha Game Park, Etosha Game Reserve, Etosha Game Reserve, Etosha National Game Reserve, Nasionale Etoshawildtuin)	19° 00' 00" S 16° 00' 00" E	
Halali, 16 km N, 58 km S Okaukuejo (see also: Halali Camp, Halali Rest Camp, Halali Ruskamp)	19° 02' 00" S 16° 28' 00" E	1100 m
Halali Camp (see Halali), 16 km N, 58 km S Okaukuejo	19° 02' 00" S 16° 28' 00" E	1100 m
Halali Rest Camp (see Halali), 16 km N, 58 km S Okaukuejo	19° 02' 00" S 16° 28' 00" E	1100 m
Halali Ruskamp (see Halali)	19° 02' 00" S 16° 28' 00" E	
Kamanjab Kaross, 15 km N, 24 km W	19° 37' 00" S 14° 38' 00" E	1200 m
Namutoni Rest Camp	18° 49' 00" S 16° 58' 00" E	1000 m
Okaukuejo Rest Camp (see also: Okaukueyo Rest Camp)	19° 10' 57" S 15° 54' 43" E	1100 m
Okaukueyo Rest Camp (see Okaukuejo Rest Camp)	19° 10' 57" S 15° 54' 43" E	1100 m
Nasionale Etoshawildtuin (see Etosha National Park)	19° 00' 00" S 16° 00' 00" E	
Okatana (see Oshakati), Onimuandi, 12 km S	17° 47' 00" S 15° 41' 00" E	1074 m
Ondangwa district		
Ondangua (see Ondangwa)	17° 55' 00" S 15° 57' 00" E	1080 m
Ondangwa (see also: Ondangua, Ondonga, Ondongwa)	17° 55' 00" S 15° 57' 00" E	1080 m
Ondonga (see Ondangwa)	17° 55' 00" S 15° 57' 00" E	1080 m
Ondongwa (see Ondangwa)	17° 55' 00" S 15° 57' 00" E	1080 m
Onimuandi, 12 km S (see Oshakati)	17° 47' 00" S 15° 41' 00" E	1074 m

Oshakati, Onimuandi, 12 km S (see also: Okatana, Onimuandi, 12 km S)	17° 47' 00" S 15° 41' 00" E	1074 m
Oshikoto region		
Ghaub Farm	19° 29' 02" S 17° 46' 41" E	
Namutoni	18° 48' 00" S 16° 59' 00" E	1092 m
Nasib, near Tsumeb	19° 07' 00" S 17° 37' 00" E	
Okashana	18° 23' 55" S 16° 36' 44" E	
Onguma	17° 54' 00" S 16° 07' 00" E	1073 m
Otjimbojo		
Otjozondjupa region		
Damaraland (see also: Herero-land, Herreroland)	21° 00' 00" S 17° 30' 00" E	
Etoscha-Pfanne (see Etosha Pan)	18° 50' 00" S 16° 20' 00" E	3373 ft
Etosha Pan (see also: Etoscha-Pfanne)	18° 50' 00" S 16° 20' 00" E	3373 ft
Klein Namutoni (waterholes) (see also: Sandup)	18° 49' 00" S 16° 57' 00" E	3400 ft
Osohama	18° 32' 00" S 16° 49' 00" E	1250 m
Sandup (see Klein Namutoni (waterholes))	18° 49' 00" S 16° 57' 00" E	3400 ft
Farm Etaneno 44, Otjivarongo (see also: Farm Etaneo 44, Osjivarongo, Otjivarongo)	20° 52' 30" S 16° 22' 30" E	
Farm Etaneo 44 (see Farm Etaneno 44), Otjivarongo	20° 52' 30" S 16° 22' 30" E	
Farm Ghaub 47, 40 km WNW Grootfontein (see also: Grootfontein, 40 km WNW)	19° 28' 00" S 17° 45' 00" E	
Farm Okosongomingo 148, 52 km ESE Otjiwarongo (see also: Otjiwarongo, 52 km ESE)		
Farm Waterberg 416	20° 37' 30" S 17° 22' 30" E	
Fockshof (see Nuitsas (farmstead))	19° 17' 00" S 18° 35' 00" E	1500 m
Friedrichswald	22° 18' 36" S 16° 16' 12" E	
Gam	20° 14' 00" S 20° 45' 00" E	1069 m
Gam Waterhole	20° 25' 01" S 20° 58' 01" E	
Groot Waterberg Platopark (see Waterberg Platopark)	20° 25' 00" S 17° 15' 00" E	
Grootfontein district (see Tsumkwe district)	19° 35' 00" S 18° 00' 00" E	
Grootfontein (see also: Groutfontein)	19° 34' 00" S 18° 06' 00" E	1250 m
Grootfontein and Okavango Regions	18° 41' 00" S 19° 00' 00" E	1200 m
Groutfontein (see Grootfontein)	25° 01' 00" S 16° 45' 00" E	1250 m
Otavi, 25.2 km N, 23.5 km W (see Tkai-Tkab Sinkhole, Etosha)	19° 20' 30" S 17° 20' 30" E	1300 m
Tkai-Tkab Sinkhole, Etosha, 25.2 km N, 23.5 km W Otavi (see also: Otavi, 25.2 km N, 23.5 km W)	19° 20' 30" S 17° 20' 30" E	1300 m
Grootfontein, 40 km WNW (see Farm Ghaub 47)		
Gross Barmen	22° 06' 00" S 16° 45' 00" E	1218 m
Harisib, near Tsumeb	19° 07' 00" S 17° 37' 00" E	
Herero-land (see Damaraland)	21° 00' 00" S 17° 30' 00" E	
Herreroland (see Damaraland)	21° 00' 00" S 17° 30' 00" E	
Makuri pan, 9 km W, Bushmanland	19° 41' 00" S 20° 39' 00" E	
Mbambi (see also: Mbumbi)	17° 28' 00" S 18° 28' 00" E	1103 m
Mbumbi (see Mbambi)	17° 28' 00" S 18° 28' 00" E	1103 m
Mount Raupenhelm, near (see also: Raupenhelm, near mount)		
Nama dam (see Nama pan), Bushmanland	19° 54' 00" S 20° 43' 00" E	
Nama dam (see Nama pan), Bushmanland	19° 54' 00" S 20° 43' 00" E	
Nama pan, Bushmanland (see also: Nama dam, Nama dam)	19° 54' 00" S 20° 43' 00" E	
Nuichan (see Nuitsas (farmstead))	19° 17' 00" S 18° 35' 00" E	1500 m
Nuitsas (farmstead) (see also: Fockshof, Nuichan, Nuitsas Farm)	19° 17' 00" S 18° 35' 00" E	1500 m
Nuitsas Farm (see Nuitsas (farmstead))	19° 17' 00" S 18° 35' 00" E	1500 m
Okahandja (see also: Okahanja)	21° 59' 00" S 16° 55' 00" E	1324 m
Okahandja district	21° 40' 00" S 17° 20' 00" E	
Okahanja (see Okahandja)	21° 59' 00" S 16° 55' 00" E	1324 m
Omatagous	21° 58' 00" S 16° 55' 00" E	
Osjivarongo (see Farm Etaneno 44)	20° 52' 30" S 16° 22' 30" E	
Otjivarongo (see Farm Etaneno 44)	20° 52' 30" S 16° 22' 30" E	
Otjiwarongo district		
Farm 22 (Ombarahewa) (see Farm Ombarahewa 22)	20° 27' 50" S 16° 18' 32" E	1320 m
Farm 33 (Schwarzerfels) (see Farm Schwarzerfels 33)	20° 27' 15" S 16° 16' 25" E	1400 m

Farm Ombarahewa 22, 0.7 km N, 35.2 km W Otjiwarongo (see also: Farm 22 (Ombarahewa), Ombarahewa, Farm 22, Otjiwarongo, 0.7 km N, 35.2 km W)		20° 27' 50" S 16° 18' 32" E	1320 m
Farm Schwarzerfels 33, 38.8 km W Otjiwarongo (see also: Farm 33 (Schwarzerfels), Otjiwarongo, 38.8 km W, Schwarzerfels, Farm 33)		20° 27' 15" S 16° 16' 25" E	1400 m
Ombarahewa, Farm 22 (see Farm Ombarahewa 22)		20° 27' 50" S 16° 18' 32" E	1320 m
Otjiwarongo, 0.7 km N, 35.2 km W (see Farm Ombarahewa 22)		20° 27' 50" S 16° 18' 32" E	1320 m
Otjiwarongo, 38.8 km W (see Farm Schwarzerfels 33)		20° 28' 13" S 16° 16' 25" E	1400 m
Schwarzerfels, Farm 33 (see Farm Schwarzerfels 33)		20° 27' 15" S 16° 16' 25" E	1400 m
Otjiwarongo, 52 km ESE (see Farm Okosongomingo 148)			
Otjiwarongo, 80 km E (see Otjosangombe)	ca.	20° 21' 22" S 17° 54' 38" E	
Otjosangombe, 80 km E Otjiwarongo (see also: Otjiwarongo, 80 km E)	ca.	20° 21' 22" S 17° 54' 38" E	
Otjozondjupa, Kano Vlei		19° 22' 00" S 19° 07' 00" E	
Quickborn		21° 07' 00" S 17° 07' 00" E	
Raupenhelm, near mount (see Mount Raupenhelm, near)			
Sambio, ca. 35 mi [=56 km] SE (see Ssanukanu)		18° 06' 00" S 20° 23' 00" E	
Ssanukanu, ca. 35 mi SE Sambio (see also: Sambio, ca. 35 mi [=56 km] SE)		18° 06' 00" S 20° 23' 00" E	
Tsotsana, 18 km W		19° 04' 00" S 20° 37' 00" E	
Tsumkwe district (see also: Grootfontein district)			
Kano valley (see Kanovlei)		19° 14' 00" S 19° 20' 00" E	1400 m
Kano Vley (see Kanovlei)		19° 16' 00" S 19° 23' 00" E	1400 m
Kanovlei (see also: Kano valley, Kano Vley)		19° 14' 00" S 19° 20' 00" E	1400 m
Waterberg Plateau National Park (see Waterberg Platopark)		20° 25' 00" S 17° 15' 00" E	
Waterberg Platopark (see also: Groot Waterberg Platopark, Waterberg Plateau National Park)		20° 25' 00" S 17° 15' 00" E	
Rehderstal ranch			
Rio Cunene (see Cunene River)	ca.	17° 15' 00" S 11° 45' 00" E	
Samsitu campsite, W of Rundu		17° 51' 01" S 19° 40' 07" E	
Sissekab, Farm (see Farm Sissekab)			
Witwatersrand			
Zambezi region (see also: Caprivi region |PC:CA|)			
Chobe River Farm (see Katima Mulilo), Katima Mulilo, Kabuta Village		17° 30' 00" S 24° 16' 00" E	803 m
Diyogha		18° 05' 00" S 21° 28' 00" E	1037 m
Gaucha (see also: Geusha)		17° 49' 00" S 22° 50' 00" E	983 m
Geusha (see Gaucha)		17° 49' 00" S 22° 50' 00" E	983 m
Katima Molilo (see Katima Mulilo)		17° 30' 00" S 24° 16' 00" E	803 m
Katima Mulilo (see also: Chobe River Farm, Katima Molilo)		17° 30' 00" S 24° 16' 00" E	803 m
Kabuta Village		17° 48' 00" S 25° 05' 00" E	2900 ft
Linyandi		18° 06' 00" S 24° 02' 00" E	2900 ft
Maschi river		17° 47' 00" S 23° 20' 00" E	1000 m
Kongola ferry area (see also: Kongolo)		17° 48' 00" S 23° 23' 00" E	952 m
Kongolo (see Kongola ferry area)		17° 48' 00" S 23° 23' 00" E	952 m
Lianshulu		18° 10' 00" S 23° 25' 00" E	
Lisikili, lake	ca.	17° 33' 00" S 24° 26' 00" E	
Muckwe district			
Diwai		18° 07' 00" S 21° 37' 00" E	1022 m
Mbambi		17° 55' 00" S 21° 00' 00" E	900 m
Nampini		17° 51' 00" S 23° 20' 00" E	2900 ft
Ngweze		17° 29' 00" S 24° 15' 00" E	
Sangwali, on Linyanti river		18° 16' 00" S 23° 38' 00" E	956 m
Napa-ire			
Niary or Niasy cave			
Nieri river			
Niger			
Agadez region			
Arhli (see Arlit)		18° 44' 13" N 7° 23' 07" E	439 m
Arlit (see also: Arhli)		18° 44' 13" N 7° 23' 07" E	439 m
Batrakum	ca.	16° 25' 00" N 7° 15' 00" E	

Chirfa		20° 57' 12" N 12° 20' 26" E	601 m
Chirfa Driga		20° 57' 12" N 12° 20' 26" E	601 m
In Gall (see Ingal)		16° 47' 10" N 6° 56' 01" E	456 m
Ingal		16° 47' 10" N 6° 56' 01" E	456 m
(see also: In Gall, In-Gal, I-n-Gall)			
In-Gal (see Ingal)		16° 47' 10" N 6° 56' 01" E	456 m
I-n-Gall (see Ingal)		16° 47' 10" N 6° 56' 01" E	456 m
Diffa region			
Agadem		16° 50' 00" N 13° 17' 00" E	511 m
Bourem (see Bourèm Géjiram)		13° 25' 00" N 11° 29' 30" E	
Bourèm Géjiram		13° 25' 00" N 11° 29' 30" E	
(see also: Bourem)			
Tebeig Asben		16° 40' 00" N 8° 30' 00" E	
Dosso region			
Gaya, 17 km W (see Tenda)		11° 59' 19" N 3° 18' 56" E	209 m
Tanda (see Tenda), 17 km W Gaya		11° 59' 19" N 3° 18' 56" E	209 m
Tenda, 17 km W Gaya		11° 59' 19" N 3° 18' 56" E	209 m
(see also: Gaya, 17 km W, Tanda)			
Maradi region			
Maradi		13° 29' 30" N 7° 05' 47" E	383 m
Niamey region			
Niamey		13° 31' 00" N 2° 07' 00" E	207 m
Niamey, 12.9 km W	ca.	13° 30' 50" N 1° 59' 53" E	
Niamey, 8 km W	ca.	13° 30' 45" N 2° 01' 45" E	
Nim tree Forest	ca.	13° 31' 00" N 2° 07' 00" E	
Tahoua region			
Tahaoua		14° 54' 00" N 5° 16' 00" E	
Tillaberi region			
Bolsi, 6 km NW		13° 20' 25" N 1° 11' 44" E	
Niamey, 25 km S	ca.	13° 21' 18" N 2° 08' 03" E	
Park West		12° 36' 00" N 2° 29' 00" E	
La Tapoa		12° 29' 31" N 2° 21' 36" E	225 m
(see also: Tapoa)			
La Tapoa, 1 km N		12° 29' 31" N 2° 21' 36" E	
(see also: Tapoa, 1 km N)			
La Tapoa, 2 km E		12° 36' 00" N 2° 29' 00" E	
(see also: Tapoa, 2 km E)			
La Tapoa, 21 km E		12° 30' 00" N 2° 33' 00" E	
(see also: Tapoa, 21 km E)			
La Tapoa, 21 km S	ca.	12° 11' 00" N 2° 20' 00" E	
(see also: Tapoa, 21 km S)			
La Tapoa, 28 km S	ca.	12° 10' 54" N 2° 20' 05" E	
(see also: Tapoa, 28 km S)			
La Tapoa, 29 km S	ca.	12° 10' 54" N 2° 20' 05" E	
(see also: Tapoa, 29 km S)			
Talantegau (see Talantégou)		12° 29' 45" N 2° 44' 44" E	166 m
Talantégou		12° 29' 45" N 2° 44' 44" E	166 m
(see also: Talantegau)			
Tapoa (see La Tapoa)		12° 29' 31" N 2° 21' 36" E	225 m
Tapoa, 1 km N (see La Tapoa, 1 km N)		12° 29' 31" N 2° 21' 36" E	
Tapoa, 12 km E		12° 29' 12" N 2° 31' 58" E	
Tapoa, 2 km E (see La Tapoa, 2 km E)		12° 36' 00" N 2° 29' 00" E	
Tapoa, 21 km E (see La Tapoa, 21 km E)		12° 30' 00" N 2° 33' 00" E	
Tapoa, 21 km S (see La Tapoa, 21 km S)	ca.	12° 11' 00" N 2° 20' 00" E	
Tapoa, 28 km S (see La Tapoa, 28 km S)	ca.	12° 10' 54" N 2° 20' 05" E	
Tapoa, 29 km S (see La Tapoa, 29 km S)	ca.	12° 10' 54" N 2° 20' 05" E	
Toudou mines		12° 28' 27" N 2° 27' 29" E	
Saba		14° 26' 26" N 1° 06' 23" E	
Zinder region			
Bilma (see Bilma Garin Dawa)		13° 53' 16" N 8° 43' 27" E	493 m
Bilma Garin Dawa		13° 53' 16" N 8° 43' 27" E	493 m
(see also: Bilma)			
Zinder		13° 48' 00" N 8° 59' 00" E	479 m
Zinder, near	ca.	13° 48' 00" N 8° 59' 00" E	
Nigeria			
Abo, Lower Niger river			
Abonnema			
Abuja Federal Captital Territory			
Abuja		9° 05' 00" N 7° 32' 00" E	777 m
AbujaPC:FC|)			
(see also: Abuja state |PC:FC|)			
Abulschi			
Adamawa state			
Numan, Gongola		9° 28' 00" N 12° 02' 00" E	152 m
Akwa Ibom state			
Anambra state			

Aguleri, Anambra Creek		6° 20' 00" N 6° 53' 00" E	82 m
(see also: Anambra Creek)			
Aguleri,1.5 mi [=2.4 km] E		6° 20' 00" N 6° 53' 00" E	
Anambra Creek (see Aguleri)		6° 20' 00" N 6° 53' 00" E	82 m
Ogbunike, near Onitscha		6° 10' 00" N 6° 54' 00" E	150 m
Bauchi, Yankari Game Reserve			
Bauchi state			
Darazo		10° 59' 43" N 10° 24' 48" E	498 m
Darazo, 6 km E	ca.	10° 59' 43" N 10° 24' 48" E	
Futuk, 12 km from Yankari Game Reserve	ca.	9° 45' 00" N 10° 30' 00" E	
(see also: Yankari Game Reserve, 12 km from)			
Yankari		9° 36' 00" N 10° 40' 00" E	276 m
Yankari Game Reserve		9° 45' 00" N 10° 30' 00" E	
Wikki		9° 46' 10" N 10° 31' 58" E	
Yankari Game Reserve, 12 km from (see Futuk)	ca.	9° 45' 00" N 10° 30' 00" E	
Bayelsa state			
Benue state			
Gboko, 7 mi [=11 km] SE (see Mkar)		7° 20' 00" N 9° 02' 00" E	434 m
Makurdi		7° 44' 28" N 8° 30' 44" E	103 m
(see also: Makurdu)			
Makurdu (see Makurdi)		7° 44' 28" N 8° 30' 44" E	103 m
Mkar, 7 mi [=11 km] SE Gboko		7° 20' 00" N 9° 02' 00" E	434 m
(see also: Gboko, 7 mi [=11 km] SE)			
Borno state			
Baga-Kawa, Lake Tchad		13° 05' 39" N 13° 49' 19" E	279 m
Dikoa, 31 mi [=50 km] NE		12° 01' 00" N 13° 55' 00" E	
(see also: Dikwa, 31 mi [=50 km] NE)			
Dikwa, 31 mi [=50 km] NE (see Dikoa, 31 mi [=50 km] NE)		12° 01' 00" N 13° 55' 00" E	
Maidiguri (see Maiduguri)		11° 50' 42" N 13° 09' 36" E	294 m
Maidugari (see Maiduguri)		11° 50' 42" N 13° 09' 36" E	294 m
Maiduguri		11° 50' 42" N 13° 09' 36" E	294 m
(see also: Maidiguri, Maidugari, Maiduguru)			
Maiduguri, NE of	ca.	11° 50' 42" N 13° 09' 36" E	
Maiduguru (see Maiduguri)		11° 50' 42" N 13° 09' 36" E	294 m
Malamfatori		13° 25' 00" N 13° 20' 00" E	
Molai Forest Reserve		11° 44' 04" N 13° 05' 44" E	
Yau, Yobe river [near lake Chad]		13° 33' 00" N 13° 14' 00" E	288 m
(see also: Yo)			
Yo (see Yau), Yobe river [near lake Chad]		13° 33' 00" N 13° 14' 00" E	288 m
Cross river state			
Adiabo Ikot Mbo, Calabar		5° 03' 20" N 8° 19' 31" E	
(see also: Ikot Mbo, Ikotmbo)			
Alimbo Ferry Road, near Calabar		5° 00' 00" N 8° 00' 00" E	
Calabar		4° 57' 00" N 8° 19' 00" E	97 m
Calabar, 15 mi [=24 km] N		5° 13' 00" N 8° 12' 00" E	
Ikang		4° 47' 23" N 8° 31' 54" E	19 m
Ikot Mbo (see Adiabo Ikot Mbo), Calabar		5° 03' 20" N 8° 19' 31" E	
Ikotmbo (see Adiabo Ikot Mbo), Calabar		5° 03' 20" N 8° 19' 31" E	
Oban		5° 19' 00" N 8° 34' 00" E	302 m
Oban hills		5° 30' 00" N 8° 35' 00" E	
Ayip Eku [estate]		5° 35' 00" N 8° 45' 00" E	
Oban, 14 mi [=22.5 km] S	ca.	5° 19' 00" N 8° 34' 00" E	
Obudu plateau	ca.	6° 27' 36" N 9° 21' 08" E	
Odukpani		5° 07' 55" N 8° 20' 22" E	
Ogoja		6° 39' 17" N 8° 47' 51" E	127 m
Old Calabar		4° 56' 00" N 8° 22' 00" E	
Old Calabar river		4° 54' 00" N 8° 16' 00" E	
Delta state			
Asaba, 150 mi up the Niger		6° 11' 00" N 6° 45' 00" E	54 m
Asaba, 5 mi [=8 km] N	ca.	6° 11' 00" N 6° 45' 00" E	
Ebonyi state			
Nko		6° 00' 59" N 8° 08' 30" E	103 m
(see also: N'ko)			
N'ko (see Nko)		6° 00' 59" N 8° 08' 30" E	103 m
Obudu	ca.	6° 28' 00" N 9° 21' 00" E	
Edo state			
Benin City, 30 mi [=48 km] W (see Okomu Forest Reserve)		6° 18' 46" N 5° 14' 01" E	
Benin Native Area (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City		6° 18' 46" N 5° 14' 01" E	
Nikrowa Forest Reserve			
Benim (see Benin-City), Sapoba		6° 20' 00" N 5° 38' 00" E	77 m
Bénin (see Benin-City), Sapoba		6° 20' 00" N 5° 38' 00" E	77 m
Benin-City, Sapoba		6° 20' 00" N 5° 38' 00" E	77 m
(see also: Benim, Bénin)			

Okomu		6° 15' 57" N 5° 06' 14" E	
(see also: Okuno)			
Okomu Forest Reserve, 30 mi [=48 km] W Benin City		6° 18' 46" N 5° 14' 01" E	
(see also: Benin City, 30 mi [=48 km] W, Benin Native Area, Okomu National Park, Okomu Native Area Forest Reserve)			
Okomu National Park (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City		6° 18' 46" N 5° 14' 01" E	
Okomu Native Area Forest Reserve (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City		6° 18' 46" N 5° 14' 01" E	
Okuno (see Okomu)		6° 15' 57" N 5° 06' 14" E	
Sapoba		6° 06' 23" N 5° 53' 55" E	72 m
Sapoba Forest Reserve		6° 04' 32" N 5° 49' 09" E	
Ekiti state			
Abeokuta		7° 09' 00" N 3° 21' 00" E	66 m
Ikole		7° 47' 23" N 5° 30' 38" E	460 m
(see also: Ipole)			
Ipole (see Ikole)		7° 47' 23" N 5° 30' 38" E	460 m
Enugu state			
Enugu-Ezike		6° 58' 58" N 7° 27' 19" E	508 m
(see also: Independence Layout)			
Independence Layout (see Enugu-Ezike)		6° 58' 58" N 7° 27' 19" E	508 m
Gombe state			
Ikoyi			
Imo state			
Umuahia, Umdike		5° 32' 00" N 7° 29' 00" E	151 m
(see also: Umuahia Ibeku)			
Umuahia Ibeku (see Umuahia), Umdike		5° 32' 00" N 7° 29' 00" E	151 m
Jigawa state			
Birninkudu (see Birnin-Kudu), 75 mi [=120 km] SE Kano		11° 27' 00" N 8° 30' 00" E	460 m
Birnin-Kudu, 75 mi [=120 km] SE Kano		11° 27' 00" N 8° 30' 00" E	460 m
(see also: Birninkudu, Kano, 75 mi [=120 km] SE)			
Kano, 75 mi [=120 km] SE (see Birnin-Kudu)		11° 27' 00" N 8° 30' 00" E	460 m
Kaduna state			
Kaduna		10° 31' 23" N 7° 26' 25" E	612 m
Kagoro		9° 36' 28" N 8° 23' 25" E	863 m
Kamuku Forest Reserve (see Kamuku game reserve)		10° 48' 17" N 6° 17' 47" E	
Kamuku game reserve		10° 48' 17" N 6° 17' 47" E	
(see also: Kamuku Forest Reserve)			
S Birnin Gwari		10° 48' 00" N 6° 18' 00" E	
Nindam farm		9° 36' 00" N 8° 23' 00" E	860 m
Nindam Forest Reserve		9° 28' 00" N 8° 19' 00" E	
Kagoro		9° 36' 00" N 8° 23' 00" E	860 m
Rafin Dinya (see Tungan-Rafin-Dinya)		9° 45' 32" N 7° 27' 05" E	544 m
Samaru		11° 10' 00" N 7° 38' 00" E	730 m
Tungan-Rafin-Dinya		9° 45' 32" N 7° 27' 05" E	544 m
(see also: Rafin Dinya)			
Zaria, Samaru stream		11° 04' 00" N 7° 42' 00" E	671 m
Zaria province			
Zaria, 15 mi [=24 km] NW	ca.	11° 01' 00" N 7° 44' 00" E	
Zaria, 5 mi [=8 km] NW	ca.	11° 01' 00" N 7° 44' 00" E	
Zaria, 7 mi [=11.3 km] NW	ca.	11° 01' 00" N 7° 44' 00" E	
Zaria, north central, Samanu			
Kano state			
Bichi, 1 mi W		12° 14' 03" N 8° 14' 28" E	535 m
Farniso, near Kano		12° 06' 00" N 8° 30' 00" E	
Gwarzo		11° 54' 58" N 7° 56' 01" E	608 m
Kano		11° 59' 47" N 8° 31' 00" E	476 m
Parniso, near Kano		12° 06' 00" N 8° 30' 00" E	
Katsina state			
Karaduwa		12° 19' 00" N 7° 41' 00" E	577 m
Panisau (see Paniso)		11° 43' 00" N 7° 32' 00" E	634 m
Paniso		11° 43' 00" N 7° 32' 00" E	634 m
(see also: Panisau)			
Kebbi state			
Dada		11° 34' 00" N 4° 29' 00" E	
Kogi state			
Ago Shasha, 6 mi [=9.7 km] N (see Iloshi, 4 mi [=6.4 km] S)	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
Ayangba		7° 30' 13" N 7° 10' 28" E	234 m
Felele (see Filele), 3.6 mi NW Lokoja		7° 51' 06" N 6° 43' 27" E	
Felelen Buzi (see Filele), 3.6 mi NW Lokoja		7° 51' 06" N 6° 43' 27" E	
Filele, 3.6 mi NW Lokoja		7° 51' 06" N 6° 43' 27" E	
(see also: Felele, Felelen Buzi, Lokoja, 3.6 mi [=5.8 km] NW)			

Igala Native Area Number 1 (see Okura Iyale Forest Reserve)		7° 34' 09" N 7° 17' 35" E	
Ilashe, 4 mi [=6.4 km] S (see Iloshi, 4 mi [=6.4 km] S), 6 mi N Ago Shasha	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
Iloshi, 4 mi [=6.4 km] S, 6 mi N Ago Shasha (see also: Ago Shasha, 6 mi [=9.7 km] N, Ilashe, 4 mi [=6.4 km] S)	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
Itama (see Okura Iyale Forest Reserve)		7° 34' 09" N 7° 17' 35" E	
Lokoja, 3.6 mi [=5.8 km] NW (see Filele)		7° 51' 06" N 6° 43' 27" E	
Okura Forest Reserve (see Okura Iyale Forest Reserve)		7° 34' 09" N 7° 17' 35" E	
Okura Iyale Forest Reserve (see also: Igala Native Area Number 1, Itama, Okura Forest Reserve)		7° 34' 09" N 7° 17' 35" E	
Kwa River			
Kwara state			
Afon		8° 19' 00" N 4° 32' 00" E	310 m
Alabe		8° 29' 00" N 5° 08' 00" E	334 m
Bacita (see also: Basita)		9° 05' 00" N 4° 57' 00" E	100 m
Basita (see Bacita)		9° 05' 00" N 4° 57' 00" E	100 m
Djebba (see Jebba)		9° 08' 00" N 4° 50' 00" E	52 m
Jebba (see also: Djebba)		9° 08' 00" N 4° 50' 00" E	52 m
Pagegi (see Pategi) (see also: Papegi)		8° 44' 00" N 5° 45' 00" E	80 m
Papegi (see Pagegi)		8° 44' 00" N 5° 45' 00" E	80 m
Pategi (see also: Pagegi)		8° 44' 00" N 5° 45' 00" E	80 m
Lagos state			
Agege, 15 mi [=24 km] N of Lagos (see also: Lagos, 15 mi [=24 km] N)		6° 37' 19" N 3° 19' 33" E	41 m
Apapa, 6 mi E Lagos (see also: Lagos, 6 mi [=9.7 km] E)		6° 26' 44" N 3° 21' 33" E	34 m
Jauro Masali		6° 20' 00" N 3° 25' 00" E	1300 m
Lagos		6° 27' 11" N 3° 23' 45" E	34 m
Lagos, 15 mi [=24 km] N (see Agege)		6° 37' 19" N 3° 19' 33" E	41 m
Lagos, 6 mi [=9.7 km] E (see Apapa)		6° 26' 44" N 3° 21' 33" E	34 m
Leekie			
Nasarawa state (see also: Nassarawa state |PC:NA|)			
Arusu (see also: Arusua)		8° 42' 00" N 8° 09' 00" E	299 m
Arusua (see Arusu), near Pandam		8° 42' 00" N 8° 09' 00" E	
NassaPC:NA|)			
Gudi, 3 mi [=4.8 km] E, on Mada river	ca.	8° 53' 00" N 8° 16' 00" E	ca. 300 m
Nassarawa (see also: Nassarawa)		8° 31' 46" N 7° 43' 27" E	294 m
Nassarawa (see Nassarawa)		8° 31' 46" N 7° 43' 27" E	294 m
Pandam		9° 15' 00" N 7° 50' 00" E	525 m
Sangs River Forest Reserve		8° 20' 00" N 9° 10' 00" E	
Niger river, lower			
Niger state			
Bida, 8 mi [=13 km] E (see Tsanchaga)		9° 06' 00" N 6° 09' 00" E	
Borgu Game Reserve		10° 15' 00" N 4° 10' 00" E	
Kudu		9° 16' 00" N 5° 21' 00" E	139 m
Mokwa		9° 17' 00" N 5° 03' 00" E	87 m
New Shagunnu		10° 20' 00" N 4° 28' 00" E	77 m
Nupeko		8° 57' 30" N 5° 59' 50" E	
Shagunnu (see also: Shagunu, Shagunu Borgu)		10° 20' 00" N 4° 28' 00" E	77 m
Shagunu (see Shagunnu)		10° 20' 00" N 4° 28' 00" E	77 m
Shagunu Borgu (see Shagunnu)		10° 20' 00" N 4° 28' 00" E	77 m
Tsanchaga, 8 mi E Bida (see also: Bida, 8 mi [=13 km] E)		9° 06' 00" N 6° 09' 00" E	
Zungeru		9° 48' 46" N 6° 09' 21" E	149 m
Ogun state			
ACWA (see Adventist College of West Africa (ACWA)), 1.6 km SE Ilishan-Remo		6° 53' 42" N 3° 42' 51" E	76 m
Adventist College of West Africa (ACWA), 1.6 km SE Ilishan-Remo (see also: ACWA, Ilisham Remo, 1 mi [=1.6 km] SE, Ilishan-Remo, 1.6 km SE)		6° 53' 42" N 3° 42' 51" E	76 m
Ilisham Remo, 1 mi [=1.6 km] SE (see Adventist College of West Africa (ACWA))		6° 53' 42" N 3° 42' 51" E	
Ilishan-Remo		6° 53' 42" N 3° 42' 51" E	74 m

Ilishan-Remo, 1.6 km SE (see Adventist College of West Africa (ACWA))		6° 53' 42" N 3° 42' 51" E	76 m
Olokemeji Forest Reserve		7° 25' 00" N 3° 32' 00" E	
Omo Forest Reserve		6° 50' 49" N 4° 22' 17" E	
Sagamu (see Shagamu)		6° 50' 36" N 3° 38' 52" E	63 m
Shagamu		6° 50' 36" N 3° 38' 52" E	63 m
(see also: Sagamu)			
Ondo state			
Ifon		6° 55' 27" N 5° 46' 34" E	162 m
Osun state			
Ife		7° 29' 25" N 4° 33' 07" E	
Ife Botanical Gardens, ca 4 mi [=6.4 km] SW Ife (see also: Ife, ca 4 mi [=6.4 km] SW)	ca.	7° 31' 06" N 4° 31' 41" E	
Ife University, Campus and Conference Center		7° 31' 06" N 4° 31' 41" E	
Ife University Conference Center, ca 5 mi [=8 km] SW	ca.	7° 31' 27" N 4° 31' 52" E	
Ife, ca 4 mi [=6.4 km] SW (see Ife Botanical Gardens)	ca.	7° 31' 06" N 4° 31' 41" E	
Ilesa		7° 37' 40" N 4° 44' 30" E	508 m
(see also: Ilesha)			
Ilesha (see Ilesa)		7° 37' 40" N 4° 44' 30" E	508 m
Shasha Forest Reserve		7° 03' 56" N 4° 26' 04" E	
West province		7° 30' 00" N 4° 00' 00" E	
Oyo state			
Calabar (see Igbo-Ora)		7° 26' 00" N 3° 17' 00" E	380 m
Gambari Forest Reserve		7° 08' 00" N 3° 50' 00" E	
Ibadan		7° 23' 16" N 3° 53' 47" E	237 m
Ibadan University College, Ibadan University College (see also: Lagos, University, University of Lagos)		7° 23' 16" N 3° 53' 47" E	237 m
Lagos, University (see Ibadan University College)		7° 23' 16" N 3° 53' 47" E	237 m
University of Lagos (see Ibadan University College)		7° 23' 16" N 3° 53' 47" E	237 m
Idere		7° 29' 00" N 3° 15' 00" E	151 m
Igbeti		8° 44' 57" N 4° 07' 52" E	508 m
(see also: Igbetti)			
Igbetti (see Igbeti)		8° 44' 57" N 4° 07' 52" E	508 m
Igbo-Awra (see Igbo-Ora)		7° 26' 00" N 3° 17' 00" E	148 m
Igbo-Ora		7° 26' 00" N 3° 17' 00" E	
(see also: Calabar, Igbo-Awra)			
Oyo, 7 mi [=11 km] W	ca.	7° 20' 15" N 3° 45' 29" E	
Upper Ogun Estate Plantation		8° 10' 00" N 3° 41' 00" E	
Upper Ogun Ranch (see Upper Ogun Ranch)		8° 10' 00" N 3° 41' 00" E	
(see also: Upper Ogun Ranch)			
Plateau state			
Chuel, 2 mi [=3.2 km] S Jos		9° 43' 00" N 8° 47' 00" E	
Jos		9° 55' 00" N 8° 54' 00" E	1217 m
Kabir (see Kabwir)		9° 24' 00" N 9° 34' 00" E	800 m
Kabwir		9° 24' 00" N 9° 34' 00" E	800 m
(see also: Kabir)			
Kabwir, 1 mi [=1.6 km] S		9° 24' 00" N 9° 34' 00" E	
Maiyanga		9° 24' 00" N 8° 54' 00" E	1370 m
(see also: Mianga, road)			
Mianga, road (see Maiyanga)		9° 24' 00" N 8° 54' 00" E	1370 m
Nagaruta Forest Reserve		9° 58' 00" N 8° 54' 00" E	
Panyam [Fish Farm]		9° 25' 00" N 9° 13' 00" E	1252 m
Panyam, 2 mi [=3.2 km] S		9° 25' 00" N 9° 13' 00" E	
Shendam division			
Pandam Wildlife Park		8° 44' 00" N 8° 59' 00" E	
Lake Pandam (see Pandam, lake)		8° 39' 21" N 8° 58' 10" E	
Pandam, lake		8° 39' 21" N 8° 58' 10" E	
(see also: Lake Pandam)			
Wase Rock		9° 04' 00" N 9° 58' 00" E	
Zawan, 2 mi [=3.2 km] S Jos		9° 45' 18" N 8° 52' 29" E	1276 m
Rivers state			
Elem Kalabari		4° 34' 27" N 6° 58' 33" E	380 m
(see also: Old Calabar)			
Old Calabar (see Elem Kalabari)		4° 34' 27" N 6° 58' 33" E	380 m
Sokoto state			
Araba		13° 13' 00" N 5° 02' 00" E	252 m
(see also: Araba Birni)			
Araba Birni (see Araba)		13° 13' 00" N 5° 02' 00" E	252 m
Kware, 12 mi [=19 km] N Sokoto		13° 13' 05" N 5° 16' 02" E	268 m
(see also: Sokoto, 12 mi [=19 km] N)			
Randa	ca.	13° 00' 00" N 5° 00' 00" E	
Socoto (see Sokoto)		13° 03' 05" N 5° 13' 53" E	272 m
Sokoto		13° 03' 05" N 5° 13' 53" E	272 m
(see also: Socoto)			
Sokoto, 12 mi [=19 km] N	ca.	13° 02' 00" N 5° 15' 00" E	
Sokoto, 12 mi [=19 km] N (see Kware)		13° 13' 05" N 5° 16' 02" E	268 m

Tangaza		13° 22' 00" N 4° 56' 00" E	304 m
Taraba state			
Gotel Mountains		7° 00' 00" N 11° 40' 00" E	
Chappal Waddi (see Ouadé, Tchabal)		7° 02' 00" N 11° 43' 00" E	1900 m
Gangirwal	ca.	7° 07' 00" N 11° 42' 00" E	2300 m
(see also: Ouadé, Djabal, Waddi Chappal)			
Ouadé, Djabal (see Gangirwal)		7° 02' 00" N 11° 43' 00" E	1900 m
Ouadé, Tchabal		7° 02' 00" N 11° 43' 00" E	1900 m
(see also: Chappal Waddi)			
Waddi Chappal (see Gangirwal)		7° 02' 00" N 11° 43' 00" E	1900 m
Mambila mountains (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Mambila Plateau	ca.	6° 32' 00" N 11° 22' 00" E	
(see also: Mambila mountains, Monts Mambila, Monts Mambila Songola, Monts Ribao, Ribao-Berge, Songola)			
Mambilla Plateau		6° 31' 00" N 11° 22' 00" E	
Leinde Fadali		6° 58' 00" N 11° 36' 00" E	1700 m
Yelwa		7° 04' 00" N 11° 05' 00" E	1500 m
Monts Mambila (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Monts Mambila Songola (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Monts Ribao (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Ribao-Berge (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Songola (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Yobe state			
Fika		11° 17' 00" N 11° 18' 29" E	503 m
Kilboa, 20 mi [=32 km] W		13° 19' 00" N 11° 16' 00" E	
Yola, N Nigeria			
Yoruba		8° 00' 00" N 4° 30' 00" E	
Zamfara state			
Nile river			
Northeastern Africa			
Northern Africa			
Pays des Rotsédy (see Rotsedy county)			
Red Sea			
Réunion	ca.	21° 06' 00" S 55° 36' 00" E	
(see also: Bourbon, île)			
ArronPC:DE|)			
ArronPC:PI|)			
Étan-Salé-les-Hauts (see Étang Salé)		21° 15' 00" S 55° 23' 00" E	20 m
L'Étang-Salé (see Étang Salé)		21° 15' 00" S 55° 23' 00" E	20 m
Saint-Benoît arrondissement			
Eglise de Bras-Panon		20° 58' 52" S 55° 38' 35" E	
St. Benoit, near (see St. Benoit, near)	ca.	21° 02' 17" S 55° 43' 10" E	
(see also: St. Benoit, near)			
Saint-Benoît, near	ca.	21° 02' 17" S 55° 43' 10" E	
Saint-Denis arrondissement			
(see also: Arrondissement-du-Vent |PC:DE|)			
Sainte Clothilde		20° 55' 04" S 55° 28' 59" E	80 m
Saint-Paul arrondissement			
Falaise de Saint Gilles		21° 03' 18" S 55° 13' 22" E	
Grotte de Trois Bassin		21° 06' 14" S 55° 17' 31" E	
La Possession, 2.2 km SSW (see Pont de Balthazar)		20° 56' 44" S 55° 19' 51" E	40 m
La Saline-les Bains, 3.2 km SSE (see Ravine des Trois Bassins)		21° 06' 36" S 55° 14' 34" E	10 m
Pont de Balthazar, 2.2 km SSW La Possession		20° 56' 44" S 55° 19' 51" E	40 m
(see also: La Possession, 2.2 km SSW)			
Ravine des Trois Bassins, 3.2 km SSE La Saline-les Bains		21° 06' 36" S 55° 14' 34" E	10 m
(see also: La Saline-les Bains, 3.2 km SSE)			
Saint-Gilles (see Saint-Gilles-les Bains)		21° 02' 00" S 55° 14' 00" E	114 m
Saint-Gilles-les Bains		21° 02' 00" S 55° 14' 00" E	114 m
(see also: Saint-Gilles)			
Saint-Pierre arrondissement			
(see also: Arrondissement-sous-le-Vent |PC:PI|)			
Basse Vallée, 0.7 km SSW (see Le Cap Méchant)		21° 22' 30" S 55° 42' 34" E	10 m
Étang Salé		21° 15' 00" S 55° 23' 00" E	20 m
(see also: Étan-Salé-les-Hauts, L'Étang-Salé)			
La Tévelave, above	ca.	21° 09' 47" S 55° 23' 39" E	
(see also: Tévelave, above)			
Le Cap Méchant, 0.7 km SSW Basse Vallée		21° 22' 30" S 55° 42' 34" E	10 m
(see also: Basse Vallée, 0.7 km SSW)			
Tévelave, above (see La Tévelave, above)	ca.	21° 09' 47" S 55° 23' 39" E	
Riva			
Rotsedy county			
(see also: Pays des Rotsédy)			
Rwanda			

Eastern prefecture			
(see also: Kibungo (former) prefecture)			
Akagera Park		1° 30' 00" S 30° 30' 00" E	
(see also: Kagera National Park, Parc National de la Kagera)			
Gihinda (see Gihinga)		1° 24' 00" S 30° 37' 00" E	1400 m
Gihinga		1° 24' 00" S 30° 37' 00" E	1400 m
(see also: Gihinda)			
Ihema, lake		1° 52' 12" S 30° 46' 45" E	
(see also: Lac Ihema, Lake Ihema)			
Kionja		1° 50' 00" S 30° 43' 00" E	1677 m
Lac Ihema (see Ihema, lake)		1° 52' 12" S 30° 46' 45" E	
Lac Mihindi (see Mihindi, lake)		1° 32' 00" S 30° 42' 00" E	
Lake Ihema (see Ihema, lake)		1° 52' 12" S 30° 46' 45" E	
Lake Mihindi (see Mihindi, lake)		1° 32' 00" S 30° 42' 00" E	
Mihindi, lake		1° 32' 00" S 30° 42' 00" E	
(see also: Lac Mihindi, Lake Mihindi)			
Muluchu		1° 32' 00" S 30° 37' 00" E	
Nyakichozi		1° 23' 00" S 30° 37' 00" E	1250 m
Bilalu		1° 30' 00" S 30° 18' 00" E	1600 m
(see also: Bilule)			
Bilule (see Bilalu)		1° 30' 00" S 30° 18' 00" E	1600 m
Bugesera		2° 08' 44" S 30° 05' 29" E	1432 m
(see also: Kanazi)			
Colline Nyamata (see Nyamata)		2° 09' 45" S 30° 06' 01" E	
Cyohaha, lake		2° 15' 00" S 30° 00' 00" E	
(see also: Tshyohaha, lake)			
Gabiro		1° 31' 00" S 30° 28' 00" E	1400 m
Kagera National Park (see Akagera Park)		1° 30' 00" S 30° 30' 00" E	
Kakitumba		1° 29' 00" S 30° 17' 00" E	1400 m
Kanazi (see Bugesera)		2° 08' 44" S 30° 05' 29" E	1432 m
Karama		2° 16' 00" S 30° 16' 00" E	
Katjumbura		1° 33' 00" S 30° 44' 00" E	
Kayonza		1° 56' 44" S 30° 31' 13" E	2400 m
Kisiguru (Mission) (see Kiziguro (Mission))		1° 46' 00" S 30° 24' 00" E	
Kiziguro (Mission)		1° 46' 00" S 30° 24' 00" E	
(see also: Kisiguru (Mission), Kiziguru (Mission))			
Kiziguru (Mission) (see Kiziguro (Mission))		1° 46' 00" S 30° 24' 00" E	
Lugarama		1° 26' 00" S 30° 32' 00" E	
Magachi		1° 20' 00" S 30° 34' 00" E	
Mimuli		1° 27' 04" S 30° 15' 26" E	
Muhasi (see Muhazi)		1° 54' 07" S 30° 24' 41" E	1529 m
Muhazi		1° 54' 07" S 30° 24' 41" E	1529 m
(see also: Colline Murunda, Muhasi)			
Nyamata		2° 09' 45" S 30° 06' 01" E	
(see also: Colline Nyamata)			
Parc National de la Kagera (see Akagera Park)		1° 30' 00" S 30° 30' 00" E	
Rukara, between Butare and Akanyaru river		1° 47' 55" S 30° 30' 02" E	1625 m
Rukira		2° 09' 12" S 30° 36' 41" E	1709 m
Rwamagana		1° 57' 09" S 30° 26' 16" E	1528 m
Tshyohaha, lake (see Cyohaha, lake)		2° 15' 00" S 30° 00' 00" E	
Gasiza			
Kibungo (former) prefecture (see Eastern prefecture)	ca.	2° 00' 00" S 30° 35' 00" E	
Kigali prefecture			
Kigale (see Kigali)		1° 57' 13" S 30° 03' 38" E	1567 m
Kigali		1° 57' 13" S 30° 03' 38" E	1567 m
(see also: Kigale)			
Masaka - Kigali		1° 59' 44" S 30° 11' 30" E	1448 m
Northern prefecture			
Bufundi		1° 20' 42" S 29° 51' 01" E	
(see also: Bugundi)			
Bugundi (see Bufundi)		1° 20' 42" S 29° 51' 00" E	
Byumba		1° 34' 35" S 30° 04' 03" E	2300 m
Colline Kidaho (see Kidaho)		1° 22' 12" S 29° 44' 33" E	1944 m
Colline Musanze (see Musanze)		1° 28' 57" S 29° 36' 03" E	
Gahinga (vulcano)		1° 24' 00" S 29° 38' 00" E	
Kanyamiketo		1° 26' 00" S 29° 35' 00" E	
Kibumbu crater, caves 2 and 3		1° 24' 35" S 29° 32' 36" E	
Kidaho		1° 22' 12" S 29° 44' 33" E	1944 m
(see also: Colline Kidaho)			
Kinigi		1° 27' 00" S 29° 34' 00" E	2179 m
Muhabura (volcano)		1° 23' 04" S 29° 42' 32" E	
(see also: Muhavura (volcano))			
Muhavura (volcano) (see Muhabura (volcano))		1° 23' 04" S 29° 42' 32" E	
Musanse (see Musanze)		1° 28' 57" S 29° 36' 03" E	

Musanze	1° 28' 57" S 29° 36' 03" E	
(see also: Colline Musanze, Musanse)		
Ruhengeri	1° 30' 15" S 29° 38' 09" E	1772 m
Rwankwi	1° 32' 00" S 29° 32' 00" E	
Ubuvumo lava hole		
Nyankokome		
Rwankalo		
Southern prefecture		
Astrida (see Butare)	2° 35' 50" S 29° 44' 20" E	1733 m
Butare	2° 35' 50" S 29° 44' 20" E	1733 m
(see also: Astrida, Butare INRS)		
Butare INRS (see Butare)	2° 35' 50" S 29° 44' 20" E	1733 m
Colline Gitovu (see Gitovu)	2° 19' 00" S 29° 09' 00" E	1649 m
Colline Mugogwe (see Mugogwe)	2° 30' 32" S 29° 48' 37" E	
Colline Musha (see Musha)	2° 31' 40" S 29° 51' 54" E	
Colline Nyakibanda (see Nyakibanda)	2° 38' 00" S 29° 41' 00" E	2067 m
Colline Rubona (see Rubona)	2° 19' 00" S 29° 56' 00" E	1346 m
Colline Shyanda (see Shyanda)	2° 32' 31" S 29° 47' 34" E	1646 m
Cyili	2° 30' 00" S 29° 46' 00" E	
(see also: Cyili Ntyano)		
Cyili Ntyano (see Cyili)	2° 30' 00" S 29° 46' 00" E	
Gafumba	2° 27' 44" S 29° 49' 45" E	
Gafumba Mugusa	2° 27' 44" S 29° 49' 45" E	
Gakoma (mission)	2° 28' 47" S 29° 55' 16" E	
Gisovu	2° 15' 17" S 29° 20' 13" E	2335 m
Gitovu	2° 19' 00" S 29° 09' 00" E	1649 m
(see also: Colline Gitovu)		
Kimuna	2° 32' 50" S 29° 43' 44" E	1788 m
Kitabi	2° 31' 30" S 29° 25' 17" E	
Lubengera (mission) (see Rubengera (mission))	2° 02' 58" S 29° 25' 34" E	
Mount Mugusa (see Mugusa, mount)	2° 28' 52" S 29° 51' 23" E	1575 m
Mugogwe	2° 30' 32" S 29° 48' 37" E	
(see also: Colline Mugogwe)		
Mugusa, mount	2° 28' 52" S 29° 51' 23" E	1575 m
(see also: Mount Mugusa)		
Musha	2° 31' 40" S 29° 51' 54" E	
(see also: Colline Musha)		
Nyakibanda	2° 38' 00" S 29° 41' 00" E	2067 m
(see also: Colline Nyakibanda)		
Nyanza	2° 27' 00" S 29° 36' 00" E	
Nyarutovu	2° 37' 00" S 29° 36' 00" E	2000 m
Nyumba cave	2° 39' 00" S 29° 42' 00" E	
Ratabo Kinazi Gitorams	2° 13' 00" S 29° 58' 00" E	
Routabansougera	2° 25' 00" S 29° 10' 00" E	1750 m
Rubengera (mission)	2° 02' 58" S 29° 25' 34" E	
(see also: Lubengera (mission))		
Ruboma Ruhashya	2° 30' 00" S 29° 44' 00" E	
Rubona	2° 19' 00" S 29° 56' 00" E	1346 m
(see also: Colline Rubona)		
Shyanda	2° 32' 31" S 29° 47' 34" E	1646 m
(see also: Colline Shyanda)		
Simbi cave	2° 30' 39" S 29° 40' 03" E	
Western prefecture		
Brouwerij Baai (see Gisenyi)	1° 42' 10" S 29° 15' 23" E	1481 m
Bugarura island	1° 54' 39" S 29° 16' 00" E	
Bugoye Kisenyi	1° 42' 00" S 29° 35' 00" E	
Colline Gosenyi (see Gisenyi)	1° 42' 10" S 29° 15' 23" E	1481 m
Colline Murunda (see Muhazi)	1° 54' 00" S 29° 22' 00" E	1711 m
Colline Shangi (see Shangi)	2° 24' 13" S 29° 00' 21" E	
Cyangugu (see Shangugu)	2° 29' 00" S 28° 53' 48" E	1537 m
Forêt Naturelle de Nyungwe (see Nyungwe Forest Reserve)	2° 31' 13" S 29° 18' 15" E	2500 m
Gafunzo	2° 23' 34" S 29° 02' 40" E	1457 m
Gafunzo Kigaga	2° 23' 34" S 29° 02' 40" E	1457 m
Gisenyi	1° 42' 10" S 29° 15' 23" E	1481 m
(see also: Brouwerij Baai, Colline Gosenyi, Gosenyi)		
Gisenyi	1° 41' 15" S 29° 15' 17" E	1450 m
(see also: Kisenyi, Kisenyi, road to Sake, Kissenji)		
Gosenyi (see Gisenyi)	1° 42' 10" S 29° 15' 23" E	1481 m
Ishangi (see Shangi)	2° 24' 13" S 29° 00' 21" E	
Kayove	1° 53' 04" S 29° 21' 11" E	1841 m
Kibuye	2° 03' 20" S 29° 20' 59" E	1457 m
Kisenyi (see Gisenyi)	1° 41' 15" S 29° 15' 17" E	1450 m
Kisenyi, road to Sake (see Gisenyi)	1° 41' 15" S 29° 15' 17" E	1450 m

Kissenji (see Gisenyi)		1° 41' 15" S 29° 15' 17" E	1450 m
Mabanza		2° 03' 15" S 29° 25' 00" E	1612 m
Masha		1° 35' 33" S 29° 19' 47" E	2085 m
Mugarura, Lake Kivu	ca.	1° 42' 00" S 30° 45' 00" E	
Murunda		1° 54' 00" S 29° 22' 00" E	1711 m
Mutura		1° 35' 56" S 29° 22' 56" E	2370 m
Ntango		2° 36' 00" S 29° 13' 00" E	
Nyakinama		1° 34' 22" S 29° 38' 30" E	1661 m
Nyamasheke		2° 20' 23" S 29° 05' 08" E	1581 m
Nyambumba		1° 42' 00" S 29° 17' 00" E	
Nyundo		1° 41' 47" S 30° 01' 37" E	1594 m
Nyungwe Forest Reserve (see also: Forêt Naturelle de Nyungwe)		2° 31' 13" S 29° 18' 15" E	2500 m
Uwinka		2° 28' 00" S 29° 12' 00" E	2512 m
Shangi (see also: Colline Shangi, Ishangi, Shangi Schad)		2° 24' 13" S 29° 00' 21" E	
Shangi Schad (see Shangi)		2° 24' 13" S 29° 00' 21" E	
Shangugu (see also: Cyangugu)		2° 29' 00" S 28° 53' 48" E	1537 m
Tamira		1° 34' 00" S 29° 22' 00" E	
S-Africa			
Sahara			
Sampi			
Sanaga-Nyong-Dja-Ogooué			
São Tomé and Principé			
Bindá, hill 3 km E	ca.	0° 13' 00" N 6° 30' 00" E	
Bombon island (see also: Islot de Bombon)		1° 41' 53" N 7° 24' 09" E	
Island of St. Thomas (see São Tomé island)	ca.	0° 12' 00" N 6° 39' 00" E	
Islot de Bombon (see Bombon island)		1° 41' 53" N 7° 24' 09" E	
Porto Real, Esperanza (see also: Puerto Real)		1° 37' 26" N 7° 24' 19" E	
Principe (see Principé island)	ca.	1° 37' 00" N 7° 25' 00" E	
Principé island (see also: Principe)	ca.	1° 37' 00" N 7° 25' 00" E	
Bela Vista, Río Papaga		1° 37' 00" N 7° 25' 00" E	
Bela Vista, 5 km S, Río Papagaio	ca.	1° 34' 39" N 7° 23' 39" E	
Belo Monte		1° 41' 00" N 7° 27' 00" E	508 m
Cidade de Santo António (see Santo António)		1° 40' 00" N 7° 25' 00" E	
Morro Fundão		1° 37' 00" N 7° 23' 00" E	
Pico Papagio and Morro Fundão, hill between		1° 36' 44" N 7° 23' 25" E	
Ribeira Izé, between San António and Sundi, Ponte Ministro	ca.	1° 39' 40" N 7° 23' 38" E	
San Antonio (see Santo António)		1° 40' 00" N 7° 25' 00" E	
Santo António, Río Papagio (see also: Cidade de Santo António, San Antonio, Santo António, 1 km S, São Antõnio)		1° 40' 00" N 7° 25' 00" E	
Santo António, 1 km S (see Santo António), Río Papagio	ca.	1° 40' 00" N 7° 25' 00" E	
São Antõnio (see Santo António)		1° 40' 00" N 7° 25' 00" E	
São João		1° 39' 00" N 7° 26' 00" E	
São Mateus, between Santo Antonio and Puerto Real		1° 38' 00" N 7° 24' 00" E	252 m
Puerto Real (see Porto Real)		1° 37' 26" N 7° 24' 19" E	
Ribeira Peixe		0° 05' 20" N 6° 36' 48" E	
Río Martin Mendez	ca.	0° 06' 18" N 6° 36' 30" E	
Sao Tome (see São Tomé island)	ca.	0° 12' 00" N 6° 39' 00" E	
San Nicolas		0° 12' 12" N 6° 38' 48" E	
Santo Amaro		0° 22' 00" N 6° 42' 00" E	152 m
São Tomé island (see also: Island of St. Thomas, Sao Tome, St. Thomas Island)	ca.	0° 12' 00" N 6° 39' 00" E	
Agua Ize (see Água Izé)		0° 13' 05" N 6° 43' 41" E	
Água Izé (see also: Agua Ize, Agua-Ize)		0° 13' 05" N 6° 43' 41" E	
Agua-Ize (see Água Izé), Río Abade		0° 13' 05" N 6° 43' 41" E	
Bóbó Cativo		0° 19' 06" N 6° 41' 44" E	
Cascata			
Cueva Santa Ana (see Santana Island, cave on)		0° 14' 29" N 6° 45' 32" E	
Fernandina coco palm plantation, near Boa Entrada, 12 km. north of Sao Tome City		0° 21' 00" N 6° 39' 30" E	
Fernão Dias, on Río de Ouro		0° 24' 23" N 6° 40' 27" E	0 m
Fundo de Igresa valley (see also: Manuel Jorge River, cave along)		0° 16' 50" N 6° 38' 02" E	
Generosa [hill] (see also: Morra da Generosa)		0° 21' 00" N 6° 33' 00" E	ca. 800 m

Guadalupe, 3 km NW (see Praia das Conchas)		0° 23' 00" N 6° 37' 00" E	188 m
Lemba river (see Río Lemba)		0° 15' 00" N 6° 28' 00" E	
Macambrará, Morro Palmira		0° 16' 00" N 6° 38' 00" E	619 m
(see also: Makambrará, Pico Macambrara)			
Makambrará (see Macambrará)		0° 16' 00" N 6° 38' 00" E	619 m
Manuel Jorge River, cave along (see Fundo de Igresa valley)		0° 16' 50" N 6° 38' 02" E	
Mendes da Silva		0° 13' 00" N 6° 42' 00" E	
Micolo, Agua Luzia / Agua Izé		0° 24' 13" N 6° 41' 17" E	
(see also: Playa Micolo)			
Monte Café		0° 18' 01" N 6° 38' 27" E	612 m
Montebelo, Água Izé		0° 13' 00" N 6° 43' 00" E	
Montebelo and Mendes da Silva, between, Água Izé	ca.	0° 13' 17" N 6° 41' 51" E	
Montebelo, near	ca.	0° 13' 00" N 6° 43' 00" E	
Morra da Generosa (see Generosa [hill])		0° 21' 00" N 6° 33' 00" E	ca. 800 m
Morro Palmira, near Pico Macambrará		0° 17' 00" N 6° 36' 00" E	1350 m
(see also: Palmira, hill)			
Palmira, hill (see Morro Palmira)		0° 17' 00" N 6° 36' 00" E	1350 m
Pico Macambrara (see Macambrará)		0° 16' 00" N 6° 38' 00" E	1350 m
Playa Micolo (see Micolo), Agua Luzia		0° 24' 13" N 6° 41' 17" E	
Ponta Barra Bobo and Praia da Mutamba, coast roast between		0° 23' 30" N 6° 36' 03" E	
Port Sao Tome (see Port São Tomé)			
Port São Tomé			
(see also: Port Sao Tome)			
Praia das Conchas, 3 km NW Guadalupe		0° 23' 00" N 6° 37' 00" E	188 m
(see also: Guadalupe, 3 km NW)			
Praia de Mutamba, 50 m inland coast road		0° 23' 41" N 6° 36' 16" E	
Ribeira Peixe		0° 05' 00" N 6° 37' 00" E	
Capitango, hill		0° 05' 00" N 6° 36' 00" E	
(see also: Kapitango, hill, Río Capitango)			
Kapitango, hill (see Capitango, hill)		0° 05' 00" N 6° 36' 00" E	
Río Capitango (see Capitango, hill)		0° 05' 00" N 6° 36' 00" E	
Río Agua-Fundao, Pasado la Roça de Agua Izé	ca.	0° 13' 48" N 6° 43' 46" E	
Rio Contador valley, S sid		0° 18' 08" N 6° 33' 09" E	
Río Lemba		0° 15' 00" N 6° 28' 00" E	
(see also: Lemba river)			
Río Manoel Gorge (see Río Manuel Jorge)	ca.	0° 18' 00" N 6° 45' 00" E	
Rio Manoel Jorje (see Río Manuel Jorge)	ca.	0° 18' 00" N 6° 45' 00" E	
Río Manuel Jorge	ca.	0° 18' 00" N 6° 45' 00" E	
(see also: Río Manoel Gorge, Rio Manoel Jorje)			
Santa Catanna (see Santa Catarina)		0° 16' 00" N 6° 29' 00" E	124 m
Santa Catarina, between Río Cantador and Río Lemba		0° 16' 00" N 6° 29' 00" E	124 m
(see also: Santa Catanna)			
Santana Island, cave on		0° 14' 29" N 6° 45' 32" E	
(see also: Cueva Santa Ana)			
Vista Alegre		0° 19' 00" N 6° 41' 00" E	
St. Thomas Island (see São Tomé island)	ca.	0° 12' 00" N 6° 39' 00" E	
Saulale			
Semmio			
Senegal			
Dakar region			
Dakar		14° 40' 15" N 17° 26' 17" W	37 m
Camp Leclerc		14° 44' 04" N 17° 28' 09" W	
Hahn-Dakar		14° 44' 00" N 17° 26' 00" W	
île aux Serpents (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
île des Madeleines (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
île des Serpents (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
île des Serpents (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
îles aux Serpents (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
îles de la Madeleine (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
îles des Madeleines		14° 39' 13" N 17° 28' 16" W	
(see also: île aux Serpents, île des Madeleines, île des Serpents, île des Serpents, îles aux Serpents, îles de la Madeleine, Madeleine, island(s), Snake island(s))			
Madeleine, island(s) (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
Mbeut Ndanguène (see Mbeute)		14° 47' 28" N 17° 10' 00" W	30 m
Mbeute		14° 47' 28" N 17° 10' 00" W	30 m
(see also: Mbeut Ndanguène, Mbout)			
Mbout (see Mbeute)		14° 47' 28" N 17° 10' 00" W	30 m
Sangaleam (see Sangalkam)		14° 46' 52" N 17° 13' 40" W	22 m
Sangalkam		14° 46' 52" N 17° 13' 40" W	22 m
(see also: Sangaleam)			
Snake island(s) (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
Diourbel region			

Diourbei (see Diourbel)		14° 39' 46" N 16° 23' 33" W	23 m
Diourbel		14° 39' 46" N 16° 23' 33" W	23 m
(see also: Diourbei)			
Ngohé (see Ngoyé)		14° 37' 00" N 16° 18' 00" W	
Ngoyé		14° 37' 00" N 16° 18' 00" W	
(see also: Ngohé, N'Goyé)			
N'Goyé (see Ngoyé)		14° 37' 00" N 16° 18' 00" W	
Fatick region			
Bacadadgi		13° 39' 00" N 16° 29' 00" W	
Coular (see Koular)		13° 41' 00" N 16° 11' 00" W	2 m
Fatick		14° 21' 29" N 16° 35' 09" W	3 m
(see also: Fatik)			
Fatik (see Fatick)		14° 21' 29" N 16° 35' 09" W	3 m
Koular		13° 41' 00" N 16° 11' 00" W	2 m
(see also: Coular, Koularbou, Kular)			
Koularbou (see Koular)		13° 41' 00" N 16° 11' 00" W	2 m
Kular (see Koular)		13° 41' 00" N 16° 11' 00" W	2 m
Messira (see Missira)		13° 41' 00" N 16° 30' 01" W	19 m
Missira		13° 41' 00" N 16° 30' 01" W	19 m
(see also: Messira, Missirah, Missirah Saloum)			
Missirah (see Missira)		13° 41' 00" N 16° 30' 01" W	19 m
Missirah Saloum (see Missira)		13° 41' 00" N 16° 30' 01" W	19 m
Fleuve Sénégal (see Senegal river)			
Grotte de Niangné (Nianié) (see Niangné (Nianié) cave)			
Haut Sénégal (see Senegal River, upper)			
Kaffrine region			
Kaolack region			
Forêt Classée de Kassas (see Forêt de Kassas)		14° 14' 00" N 15° 35' 00" W	
Forêt de Kassas		14° 14' 00" N 15° 35' 00" W	
(see also: Forêt Classée de Kassas, Kassas Forest)			
Kaffrine		14° 07' 18" N 15° 41' 35" W	16 m
Kaffrine, 15 km N		14° 08' 00" N 15° 34' 00" W	
Kaolack, 6 km E	ca.	14° 11' 00" N 16° 15' 00" W	
Kassas Forest (see Forêt de Kassas)		14° 14' 00" N 15° 35' 00" W	
Koutang (see Koutango)		13° 40' 00" N 16° 05' 00" W	20 m
Koutango		13° 40' 00" N 16° 05' 00" W	20 m
(see also: Koutang, Kutang)			
Kutang (see Koutango)		13° 40' 00" N 16° 05' 00" W	20 m
Saboya, Nioro du Rip		13° 37' 06" N 16° 05' 01" W	34 m
Kédougou region	ca.	12° 50' 37" N 12° 12' 54" W	
Bandafassi dispensarium		12° 32' 26" N 12° 18' 28" W	
Enganga, 66 km W Kedougou	ca.	12° 30' 00" N 12° 45' 00" W	
(see also: Edanga, Eganga, Kedougou, 66 km W)			
Kédougou		12° 33' 00" N 12° 11' 00" W	99 m
Kedougou, 66 km W (see Enganga)	ca.	12° 30' 00" N 12° 45' 00" W	
Ngari (see N'Gari), near Kedougou	ca.	12° 38' 06" N 12° 14' 52" W	126 m
N'Gari, near Kedougou	ca.	12° 38' 06" N 12° 14' 52" W	126 m
(see also: Ngari)			
Silacounda (see Sillakounda Diakha)		12° 38' 39" N 12° 07' 25" W	90 m
Silacounta (see Sillakounda Diakha)		12° 38' 39" N 12° 07' 25" W	90 m
Silakounda (see Sillakounda Diakha)		12° 38' 39" N 12° 07' 25" W	90 m
Sillakounda Diakha		12° 38' 39" N 12° 07' 25" W	90 m
(see also: Silacounda, Silacounta, Silakounda)			
Kolda region			
Diatakounda (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Diattacounda (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Diattakounda		12° 34' 11" N 15° 41' 03" W	32 m
(see also: Diatakounda, Diattacounda, Yatacounda, Yatakou, Yatakounda, Yatakunda)			
Goulombo (see Gouloumbou)		13° 30' 00" N 13° 43' 00" W	63 m
Gouloumbo (see Gouloumbou)		13° 30' 00" N 13° 43' 00" W	63 m
Gouloumbou		13° 30' 00" N 13° 43' 00" W	63 m
(see also: Goulombo, Gouloumbo)			
Koukany (see Kounkané)		12° 56' 00" N 14° 05' 00" W	23 m
Koumkandé (see Kounkané)		12° 56' 00" N 14° 05' 00" W	23 m
Kounkané		12° 56' 00" N 14° 05' 00" W	23 m
(see also: Koukany, Koumkandé)			
Sédhiou		12° 42' 29" N 15° 33' 25" W	33 m
(see also: Sedhiu)			
Sédhiou department	ca.	12° 42' 29" N 15° 33' 25" W	
Sedhiu (see Sédhiou)		12° 42' 29" N 15° 33' 25" W	33 m
Yatacounda (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Yatakou (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Yatakounda (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m

Yatakunda (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Louga region			
Lagbar		15° 49' 58" N 14° 48' 39" W	50 m
Lagbar, 10 km S	ca.	15° 45' 00" N 14° 50' 00" W	
Lagbar, 10 km SE	ca.	15° 45' 00" N 14° 45' 00" W	
Lingnéré (see Linguère)		15° 24' 00" N 15° 07' 00" W	2 m
Linguère		15° 24' 00" N 15° 07' 00" W	2 m
(see also: Lingnéré, Lynguère)			
Louga, 8 km E		15° 37' 00" N 16° 13' 00" W	
(see also: Luga, 8 km E)			
Luga, 8 km E (see Louga, 8 km E)		15° 37' 00" N 16° 13' 00" W	
Lynguère (see Linguère)		15° 24' 00" N 15° 07' 00" W	2 m
Matam region			
Kanel department	ca.	15° 29' 30" N 13° 10' 35" W	
Adiaré			
Matam department			
Bow	ca.	15° 35' 00" N 13° 06' 00" W	
Matam		15° 37' 03" N 13° 19' 49" W	28 m
Matam, 13 km SW (see Ogo)		15° 33' 00" N 13° 17' 00" W	27 m
Ogo, 13 km SW Matam		15° 33' 00" N 13° 17' 00" W	27 m
(see also: Matam, 13 km SW)			
Ranérou		15° 18' 00" N 13° 59' 48" W	35 m
Ranérou Ferlo department			
Ranérou, 13 km NW		15° 18' 00" N 13° 58' 00" W	
Ranérou, 7 km SE	ca.	15° 18' 00" N 13° 59' 48" W	
Yonoféré		15° 15' 57" N 14° 27' 40" W	15 m
(see also: Yoroforé)			
Yoroforé (see Yonoféré)		15° 15' 57" N 14° 27' 40" W	15 m
Ndoro			
Niangné (Nianié) cave			
(see also: Grotte de Niangné (Nianié))			
Saint-Louis region			
Cascas (see Kaskas)		16° 22' 43" N 14° 03' 22" W	13 m
Dagana		16° 31' 00" N 15° 30' 00" W	12 m
(see also: Tagana)			
Diadam		16° 22' 00" N 16° 16' 00" W	
Djoudj National Park		16° 24' 00" N 16° 15' 00" W	
(see also: Djoudj, Parc National des Oiseaux, Parc National des Oiseaux du Djoudj)			
Djoudj, Parc National des Oiseaux (see Djoudj National Park)		16° 24' 00" N 16° 15' 00" W	
Fété Olé		16° 13' 56" N 15° 07' 18" W	
Kaskas		16° 22' 43" N 14° 03' 22" W	13 m
(see also: Cascas)			
Lodé		16° 10' 13" N 15° 17' 43" W	
Mbilor		16° 30' 00" N 15° 35' 00" W	
Ndar (see St-Louis)		16° 01' 56" N 16° 37' 00" W	0 m
Parc National des Oiseaux du Djoudj (see Djoudj National Park)		16° 24' 00" N 16° 15' 00" W	
Pété (see Pété)		16° 13' 56" N 15° 07' 18" W	
(see also: Pété, Pété Olé)			
Pété Olé (see Pété)		16° 13' 56" N 15° 07' 18" W	
Podor		16° 38' 56" N 14° 57' 39" W	11 m
Richard Toll		16° 28' 00" N 15° 41' 00" W	10 m
Saint-Louis		16° 01' 56" N 16° 29' 30" W	0 m
Saint-Louis, 10 km SE	ca.	15° 59' 00" N 16° 26' 00" W	
SanLuis (see St-Louis)		16° 01' 56" N 16° 37' 00" W	0 m
St-Louis (see St-Louis)		16° 01' 56" N 16° 37' 00" W	0 m
(see also: Ndar, SanLuis, St-Louis)			
Tagana (see Dagana)		16° 31' 00" N 15° 30' 00" W	12 m
Sédhiou region			
Senegal river			
(see also: Fleuve Sénégal)			
Senegal River, upper			
(see also: Haut Sénégal)			
Tambacounda region			
Bakel		14° 54' 00" N 12° 27' 00" W	27 m
Bakel, 5 km S	ca.	14° 54' 00" N 12° 27' 00" W	
Camp des Lions, forest next to the river		13° 01' 00" N 13° 14' 00" W	
Dalaba		12° 45' 00" N 13° 16' 00" W	
Dar Salam		13° 15' 00" N 13° 12' 00" W	
Dialacoto (see Dialakoto)		13° 19' 00" N 13° 18' 00" W	49 m
Dialakoto		13° 19' 00" N 13° 18' 00" W	49 m
(see also: Dialacoto, Dialocote)			
Dialocote (see Dialakoto)		13° 19' 00" N 13° 18' 00" W	49 m
Dindéfélo, next to the stream		12° 22' 00" N 12° 19' 00" W	

Dindéfélo II, next to the stream II		12° 22' 00" N 12° 19' 00" W	
Ebarak (see Ebarakh)		12° 37' 59" N 12° 52' 22" W	108 m
Ebarakh		12° 37' 59" N 12° 52' 22" W	108 m
(see also: Ebarak)			
Edanga (see Enganga), 66 km W Kedougou	ca.	12° 30' 00" N 12° 45' 00" W	
Eganga (see Enganga), 66 km W Kedougou	ca.	12° 30' 00" N 12° 45' 00" W	
Etiés		12° 34' 30" N 12° 26' 25" W	254 m
(see also: Etiess, Etiessé)			
Etiess (see Etiés)		12° 34' 30" N 12° 26' 25" W	254 m
Etiessé (see Etiés)		12° 34' 30" N 12° 26' 25" W	254 m
Gamon		13° 20' 00" N 12° 55' 00" W	67 m
Goudiri		14° 11' 00" N 12° 43' 00" W	57 m
(see also: Goudiry)			
Goudiry (see Goudiri)		14° 11' 00" N 12° 43' 00" W	57 m
Gué de Sambaillou		12° 39' 00" N 13° 19' 00" W	
Gué du Damantan		12° 59' 00" N 13° 24' 00" W	
Lengué Kountou		13° 02' 00" N 13° 04' 00" W	
Mako		12° 51' 00" N 12° 21' 00" W	
Mako-Camp		12° 50' 00" N 12° 20' 00" W	
Nieki-Ko		13° 11' 00" N 13° 21' 00" W	
Niériko		13° 21' 00" N 13° 21' 00" W	
Niériko bridge		13° 21' 00" N 13° 21' 00" W	
Niokolo		13° 04' 00" N 12° 43' 00" W	
Niokolo Koba national park		13° 00' 28" N 12° 54' 53" W	
(see also: Niokolo-Koba, parc national, Parc Nationale du Niokolo-Koba, Réserve de Chasse du Niokolo Coba)			
Assirik		12° 53' 00" N 12° 43' 00" W	
(see also: Hassirik, Monts Asserick, Mount Asserick, Mount Assirik)			
Ba Foula Bé (see Bafoulabé)		13° 01' 00" N 13° 11' 00" W	
Badi		13° 09' 00" N 13° 14' 00" W	34 m
Bafoulabé		13° 02' 00" N 13° 00' 00" W	
(see also: Ba Foula Bé)			
Hassirik (see Assirik)		12° 53' 00" N 12° 43' 00" W	
Monts Asserick (see Assirik)		12° 53' 00" N 12° 43' 00" W	
Mount Asserick (see Assirik)		12° 53' 00" N 12° 43' 00" W	
Mount Assirik (see Assirik)		12° 53' 00" N 12° 43' 00" W	
Niokolo-Koba, parc national (see Niokolo Koba national park)		13° 00' 28" N 12° 54' 53" W	
Parc Nationale du Niokolo-Koba (see Niokolo Koba national park)		13° 00' 28" N 12° 54' 53" W	
Réserve de Chasse du Niokolo Coba (see Niokolo Koba national park)		13° 00' 28" N 12° 54' 53" W	
Simenti		13° 01' 00" N 13° 17' 00" W	
Tabadienke, near Niokolo-Koba		13° 08' 00" N 13° 07' 00" W	
Tambacounda		13° 45' 14" N 13° 45' 31" W	61 m
(see also: Tambacounda)			
Tambacounda - Niokolo-Koba National Park		13° 46' 00" N 13° 39' 00" W	
Thiès region			
Bandia (see Bandia Sessène)		14° 37' 30" N 17° 01' 43" W	33 m
Bandia Sessène		14° 37' 30" N 17° 01' 43" W	33 m
(see also: Bandia)			
Fadiout (see Joal-Fadiout)		14° 10' 00" N 16° 50' 00" W	1 m
Fadiouth (see Joal-Fadiout)		14° 10' 00" N 16° 50' 00" W	1 m
Joal (see Joal-Fadiout)		14° 10' 00" N 16° 50' 00" W	1 m
Joal, 4 km N (see Joal-Fadiout, 4 km N)	ca.	14° 10' 00" N 16° 50' 00" W	
Joal-Fadiout		14° 10' 00" N 16° 50' 00" W	1 m
(see also: Fadiout, Fadiouth, Joal)			
Joal-Fadiout, 4 km N	ca.	14° 10' 00" N 16° 50' 00" W	
(see also: Joal, 4 km N)			
Khombeul (see Khombole)		14° 46' 00" N 16° 42' 00" W	18 m
Khombole		14° 46' 00" N 16° 42' 00" W	18 m
(see also: Khombeul, Kombole, Rhombole)			
Kombole (see Khombole)		14° 46' 00" N 16° 42' 00" W	18 m
Mbour		14° 24' 00" N 16° 58' 00" W	0 m
(see also: M'Bour, Mbur)			
M'Bour (see Mbour)		14° 24' 00" N 16° 58' 00" W	0 m
Mbur (see Mbour)		14° 24' 00" N 16° 58' 00" W	0 m
Pir Gourèy (see Pir Gourèye)		15° 00' 17" N 16° 43' 19" W	42 m
Pir Gourèye		15° 00' 17" N 16° 43' 19" W	42 m
(see also: Pir Gourèy, Piré Gourèye)			
Piré Gourèye (see Pir Gourèye)		15° 00' 17" N 16° 43' 19" W	42 m
Rhombole (see Khombole)		14° 46' 00" N 16° 42' 00" W	18 m
Thiès		14° 48' 00" N 16° 56' 00" W	63 m
Thiès, 10 km W	ca.	14° 48' 00" N 16° 56' 00" W	

Touré			
Ziguinchor region			
Adeane, 12 km SW (see Diabane), Casamance		12° 32' 41" N 16° 05' 35" W	3 m
Diabane, 12 km SW Adeane		12° 32' 41" N 16° 05' 35" W	3 m
(see also: Adeane, 12 km SW)			
Diogué		12° 34' 28" N 16° 45' 09" W	7 m
Zighinkor (see Ziguinchor)		12° 35' 00" N 16° 16' 19" W	15 m
Zigiunchor (see Ziguinchor)		12° 35' 00" N 16° 16' 19" W	15 m
Ziguinchor		12° 35' 00" N 16° 16' 19" W	15 m
(see also: Zighinkor, Zigiunchor, Zinguinhor)			
Zinguinhor (see Ziguinchor)		12° 35' 00" N 16° 16' 19" W	15 m
Seychelle Islands			
Aldabra Island		9° 25' 00" S 46° 22' 00" E	
Anse Takamaka (see Takamaka Cove)		4° 46' 00" S 55° 29' 00" E	
East Channel, E shore	ca.	9° 22' 00" S 46° 27' 00" E	
(see also: Houareau passe)			
Houareau passe (see East Channel, E shore)	ca.	9° 22' 00" S 46° 27' 00" E	
Takamaka		4° 46' 00" S 55° 29' 00" E	
Takamaka Cove		4° 46' 00" S 55° 29' 00" E	
(see also: Anse Takamaka, Takamaka Grove)			
Takamaka Grove (see Takamaka Cove)		4° 46' 00" S 55° 29' 00" E	
Amirante Island		6° 00' 00" S 53° 10' 00" E	
La Digue Island		4° 21' 00" S 55° 50' 00" E	
Mahe Island		4° 40' 00" S 55° 28' 00" E	
Cascade Estate		4° 40' 00" S 55° 30' 00" E	10 m
Dune Jean Louis (see Saint-Louis Hill)		4° 37' 00" S 55° 27' 00" E	
Mahé (see Victoria)		4° 37' 00" S 55° 27' 00" E	0 m
Port Victoria (see Victoria)		4° 37' 00" S 55° 27' 00" E	0 m
Saint-Louis Hill		4° 37' 00" S 55° 27' 00" E	
(see also: Dune Jean Louis)			
Val Riche	ca.	4° 38' 49" S 55° 25' 50" E	400 m
(see also: Valle Riche)			
Valle Riche (see Val Riche)	ca.	4° 38' 49" S 55° 25' 50" E	400 m
Victoria		4° 37' 00" S 55° 27' 00" E	0 m
(see also: Mahé, Port Victoria)			
Marianne Island		4° 20' 00" S 55° 55' 00" E	
(see also: Marie Anne Island , Mary Anne Island)			
Marie Anne Island (see Marianne Island)		4° 20' 00" S 55° 55' 00" E	
Mary Anne Island (see Marianne Island)		4° 20' 00" S 55° 55' 00" E	
Picard Island		9° 22' 00" S 46° 13' 00" E	
(see also: West Island)			
Aldabra Research Station			
Aldabra Settlement			
Praslin Island		4° 19' 00" S 55° 44' 00" E	
Grande Anse		4° 19' 00" S 55° 43' 00" E	
Seychelles, small islands near			
Silhouette (see Silhouette Island)		4° 29' 00" S 55° 13' 00" E	
Silhouette Island		4° 29' 00" S 55° 14' 00" E	
(see also: Silhouette)			
West Island (see Picard Island)		9° 22' 00" S 46° 13' 00" E	
Seychelles			
Sierra Leone			
Bo			
Bo School			
Eastern province			
Gola Forest Camp, 4 mi [=6.4 km] S Lalehun		7° 36' 47" N 10° 57' 59" W	
(see also: Lalehun, 4 mi [=6.4 km] S)			
Hanjama, 1 mi [=1.6 km] S		7° 57' 00" N 10° 56' 00" W	161 m
Hanjama, 1 mi [=1.6 km] W		7° 57' 00" N 10° 56' 00" W	
Kambui Hills Forest Reserve		7° 46' 17" N 11° 16' 21" W	
Forestry Training School	ca.	7° 53' 56" N 11° 13' 06" W	
Konia, 0.5 mi [=0.8 km] SE		8° 06' 00" N 11° 01' 00" W	
Konia, 5 mi [=8 km] SE		8° 06' 00" N 11° 01' 00" W	
Lalehun		8° 11' 00" N 11° 05' 00" W	256 m
Lalehun, 4 mi [=6.4 km] S (see Gola Forest Camp)		7° 36' 47" N 10° 57' 59" W	
Panguma, 10 mi [=16 km] N		8° 17' 00" N 11° 06' 00" W	
Segbwema		8° 00' 00" N 10° 57' 00" W	
(see also: Segbwemba)			
Segbwema, 1 mi [=1.6 km] SE		8° 00' 00" N 10° 57' 00" W	
Segbwemba (see Segbwema)		8° 00' 00" N 10° 57' 00" W	
Glote Village			
Levuma, Central			
Northern province			
Bombali district			
Outamba-Kilimi National Park			

Fintonia, 10.1 km NE		9° 45' 00" N 12° 10' 00" W	
Fintonia, 5.7 km NE (see Outamba section)		9° 42' 00" N 12° 11' 00" W	
Fintonia, 5.8 km E (see HQ, W bank Kaba river)		9° 40' 00" N 12° 10' 00" W	
HQ, W bank Kaba river		9° 40' 00" N 12° 10' 00" W	
(see also: Fintonia, 5.8 km E)			
Kilimi section, 5.2 mi W Sainya		9° 48' 00" N 12° 27' 00" W	
(see also: Sainya, 5.2 mi [=8.4 km] W)			
Outamba section, 5.7 km NE Fintonia		9° 42' 00" N 12° 11' 00" W	
(see also: Fintonia, 5.7 km NE)			
Sainya, 5.2 mi [=8.4 km] W (see Kilimi section)		9° 48' 00" N 12° 27' 00" W	
Bumban, 1 mi E		9° 07' 00" N 11° 54' 00" W	
Fadugu		9° 23' 00" N 11° 46' 00" W	299 m
Freetown, 129 km from (see Lunsar)		8° 41' 00" N 12° 32' 00" W	52 m
Freetown, 145 mi [=233 km] NE (see Musaia)		9° 45' 00" N 11° 34' 00" W	423 m
Kabala		9° 35' 00" N 11° 33' 00" W	456 m
(see also: Kaballa)			
Kaballa (see Kabala)		9° 35' 00" N 11° 33' 00" W	456 m
Lansar (see Lunsar), 129 km from Freetown		8° 41' 00" N 12° 32' 00" W	52 m
Lunsar, 129 km from Freetown		8° 41' 00" N 12° 32' 00" W	52 m
(see also: Freetown, 129 km from, Lansar)			
Makeni		8° 53' 00" N 12° 03' 00" W	92 m
Musaia, 145 mi NE Freetown		9° 45' 00" N 11° 34' 00" W	423 m
(see also: Freetown, 145 mi [=233 km] NE)			
Petifu, Port Loko Creek		8° 35' 00" N 12° 57' 00" W	
(see also: Port Lokko river, Port Loko Creek)			
Port Lokko river (see Petifu)		8° 35' 00" N 12° 57' 00" W	
Port Loko Creek (see Petifu)		8° 35' 00" N 12° 57' 00" W	
Rokupr		8° 40' 18" N 12° 23' 43" W	77 m
Tasso island		8° 33' 17" N 13° 04' 28" W	
Tonkolili district	ca.	8° 37' 08" N 11° 50' 30" W	
Scaries river			
Sierra Leone, 100 miles off the coast			
Southern province			
Bonth (see Bonthe), Sherbro island		7° 31' 55" N 12° 30' 18" W	9 m
Bonthe, Sherbro island		7° 31' 55" N 12° 30' 18" W	9 m
(see also: Bonth)			
Kassewa Forest Reserve, 20 mi NE Moyamba		8° 04' 00" N 12° 30' 00" W	
(see also: Moyamba, 20 mi [=32 km] NE)			
Mongberi, near Bo		7° 58' 00" N 11° 54' 00" W	
Moyamba, 20 mi [=32 km] NE (see Kassewa Forest Reserve)		8° 04' 00" N 12° 30' 00" W	
Njala		8° 07' 04" N 12° 05' 04" W	67 m
(see also: Njale)			
Njala Taja River		8° 06' 00" N 12° 04' 00" W	
Njale (see Njala)		8° 07' 04" N 12° 05' 04" W	67 m
Serabu		7° 47' 45" N 12° 03' 08" W	41 m
Yele Island, off Sherbro island		7° 34' 54" N 12° 58' 48" W	
Yengema		7° 49' 34" N 12° 00' 55" W	55 m
Yengewa, 0.5 mi [=0.8 km] E		7° 49' 00" N 12° 01' 00" W	
Yile Island, off Sherbro island		7° 34' 54" N 12° 58' 48" W	
Western province			
Aberdeen Village, 14 km from Freetown		8° 29' 33" N 13° 17' 04" W	0 m
(see also: Freetown, 14 km from)			
Aureol, mount (see Mount Aureol)		8° 28' 51" N 13° 13' 05" W	366 m
Cole Farm, 6 km from Freetown	ca.	8° 30' 00" N 13° 17' 00" W	
(see also: Freetown, 6 km from)			
Colony peninsula (see Sierrra Leone peninsula)		8° 20' 00" N 13° 10' 00" W	
Four Miles (see Four Miles)		8° 20' 19" N 13° 00' 17" W	48 m
(see also: Four Miles)			
Freetown, Hillstation		8° 29' 24" N 13° 14' 03" W	76 m
Freetown, 10 km from (see Lumley Village)		8° 27' 14" N 13° 16' 57" W	0 m
Freetown, 14 km from (see Aberdeen Village)		8° 29' 33" N 13° 17' 04" W	0 m
Freetown, 24 km (see Wellington Village)		8° 26' 55" N 13° 10' 10" W	41 m
Freetown, 6 km from (see Cole Farm)		8° 30' 00" N 13° 17' 00" E	
Hamilton Village, near Freetown		8° 22' 55" N 13° 15' 35" W	60 m
(see also: Kangbe)			
Kangbe (see Hamilton Village), near Freetown		8° 22' 55" N 13° 15' 35" W	60 m
Kent		8° 09' 57" N 13° 10' 00" W	0 m
Kissey (see Kissy), near Freetown		8° 28' 07" N 13° 11' 35" W	89 m
Kissy, near Freetown		8° 28' 07" N 13° 11' 35" W	89 m
(see also: Kissey, Kissy Village)			
Kissy Village (see Kissy), near Freetown		8° 28' 07" N 13° 11' 35" W	89 m
Lokko Town (see Russel Village)		8° 15' 00" N 13° 05' 00" W	50 m
Lumley Village, 10 km from Freetown		8° 27' 14" N 13° 16' 57" W	0 m
(see also: Freetown, 10 km from, Pasandi)			

Mount Aureol (see also: Aureol, mount)		8° 28' 51" N 13° 13' 05" W	366 m
Murray Town		8° 29' 37" N 13° 15' 55" W	20 m
Newton		8° 20' 19" N 13° 00' 17" W	48 m
Pasandi (see Lumley Village), 10 km from Freetown		8° 27' 14" N 13° 16' 57" W	0 m
Russel Village (see also: Lokko Town, Russell)		8° 15' 00" N 13° 05' 00" W	50 m
Russell (see Russel Village)		8° 15' 00" N 13° 05' 00" W	50 m
Saltpan, near, near Fogbo		8° 16' 00" N 12° 59' 00" W	4 m
Sierrra Leone peninsula (see also: Colony peninsula)		8° 20' 00" N 13° 10' 00" W	
Waterloo		8° 20' 18" N 13° 04' 19" W	39 m
Wellington Village, 24 km from Freetown (see also: Freetown, 24 km)		8° 26' 55" N 13° 10' 10" W	41 m
York		8° 17' 08" N 13° 10' 48" W	0 m
Simba country			
Chifumbaze			
Somali Française (see Djibouti)			
Somalia			
Awdal region			
Bakol region (see also: Bakool region |PC:BK|)			
BakooPC:BK|)			
Banaadir region (see also: Banadir region |PC:BN|)			
Hamar (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Magadiscio (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Maqdishu (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadiisho (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadischu (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadiscio (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadiscio (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadish (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadishiu (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadisho (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadishu (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadishu, 3 mi [=4.8 km] N (see Muqdisho, 3 mi [=4.8 km] N)	ca.	2° 04' 00" N 45° 22' 00" E	
Mogadisio, 3 mi [=4.8 km] N (see Muqdisho, 3 mi [=4.8 km] N)	ca.	2° 04' 00" N 45° 22' 00" E	
Moqdisho (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Muqdisho (see also: Hamar, Magadiscio, Maqdishu, Mogadiisho, Mogadischu, Mogadiscio, Mogadiscio, Mogadish, Mogadishiu, Mogadisho, Mogadishu, Moqdisho, Muqdishow, Muqdishu, Xamar)		2° 04' 00" N 45° 22' 00" E	28 m
Muqdisho, 3 mi [=4.8 km] N (see also: Mogadishu, 3 mi [=4.8 km] N, Mogadisio, 3 mi [=4.8 km] N)	ca.	2° 04' 00" N 45° 22' 00" E	
Muqdishow (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Muqdishu (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Xamar (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
BanadPC:BN|) (see also: Mogadishu region |PC:BN|)			
Bari region (see also: North East region |PC:|)			
Afkala Haya (see also: Bandar Fílúk, Bender Filuch, Bender Gelid, Bender Geoid)		11° 54' 00" N 50° 35' 00" E	5 m
Bandar Fílúk (see Afkala Haya)		11° 54' 00" N 50° 35' 00" E	5 m
Bandar Kassim (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Bender Cassim (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Bender Filuch (see Afkala Haya)		11° 54' 00" N 50° 35' 00" E	5 m
Bender Gelid (see Afkala Haya)		11° 54' 00" N 50° 35' 00" E	5 m
Bender Geoid (see Afkala Haya)		11° 54' 00" N 50° 35' 00" E	5 m
Bender Qaasin (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Bénder Qasin (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Boosaaso (see also: Bandar Kassim, Bender Cassim, Bender Qaasin, Bénder Qasin, Boosaso, Bosaso, Bossaso)		11° 17' 05" N 49° 10' 57" E	17 m
Boosaso (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Bosaso (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Bossaso (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Candala (see Qandala)		11° 28' 16" N 49° 52' 26" E	2 m

Galgala (see Galgalo Oase)		10° 58' 00" N 49° 05' 00" E	453 m
Galgalla (see Galgalo Oase)		10° 58' 00" N 49° 05' 00" E	453 m
Galgalo Oase		10° 58' 00" N 49° 05' 00" E	453 m
(see also: Galgala, Galgalla)			
Kandala (see Qandala)		11° 28' 16" N 49° 52' 26" E	2 m
Mijertein		9° 00' 00" N 50° 00' 00" E	
Qandala		11° 28' 16" N 49° 52' 26" E	2 m
(see also: Candala, Kandala)			
Bay region			
Fink, mount			
(see also: Mont Fink, Mount Fink)			
GalgaPC:GA|)			
Galgaduud region			
(see also: Galgadoud region |PC:GA|)			
Ceelbuur		4° 41' 00" N 46° 37' 00" E	152 m
(see also: El-Bur)			
El Bur to El Der, road between	ca.	4° 40' 00" N 46° 30' 00" E	
El-Bur (see Ceelbuur)		4° 41' 00" N 46° 37' 00" E	152 m
Gedo region			
(see also: Gedu region |PC:GE|)			
GeduPC:GE|)			
Hiiraan region			
(see also: Hiran region |PC:HI|)			
Bulo Bérde (see Buulobarde)		3° 51' 00" N 45° 34' 00" E	126 m
Bulo Burti (see Buulobarde)		3° 51' 00" N 45° 34' 00" E	126 m
Buulo (see Buulobarde)		3° 51' 00" N 45° 34' 00" E	126 m
Buulo Berde (see Buulobarde)		3° 51' 00" N 45° 34' 00" E	126 m
Buulo Burte (see Buulobarde)		3° 51' 00" N 45° 34' 00" E	126 m
Buulobarde		3° 51' 00" N 45° 34' 00" E	126 m
(see also: Bulo Bérde, Bulo Burti, Buulo, Buulo Berde, Buulo Burte)			
HiranPC:HI|)			
Jubbada Dhexe region			
(see also: Middle Juba region |PC:JD|)			
Gelib (see Jilib)		0° 29' 45" N 42° 46' 22" E	19 m
Jeelib (see Jilib)		0° 29' 45" N 42° 46' 22" E	19 m
Jilib		0° 29' 45" N 42° 46' 22" E	19 m
(see also: Gelib, Jeelib)			
Jubba Valley, Shonto Forest, Dhokal		1° 01' 00" N 42° 36' 00" E	
Mareerey		0° 25' 49" N 42° 43' 05" E	15 m
(see also: Marerei, Mareri)			
Marerei (see Mareerey)		0° 25' 49" N 42° 43' 05" E	15 m
Mareri (see Mareerey)		0° 25' 49" N 42° 43' 05" E	15 m
Shoonto forest		1° 01' 00" N 42° 36' 00" E	
Jubbada Hoose region			
(see also: Lower Juba region |PC:JH|)			
Afmadoow (see Afmadow)		0° 31' 02" N 42° 04' 16" E	19 m
Afmadow		0° 31' 02" N 42° 04' 16" E	19 m
(see also: Afmadoow, Afmadu)			
Afmadu (see Afmadow)		0° 31' 02" N 42° 04' 16" E	19 m
Chisimaio (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Chisimayu (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Giamama (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
Giamame (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
Giamana (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
Giamane (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
Hoja Wajeer		1° 14' 00" N 41° 32' 00" E	4 m
(see also: Ola Uager, Uaiore, Wayore)			
Jamaame		0° 04' 20" N 42° 45' 02" E	10 m
(see also: Giamama, Giamame, Giamana, Giamane, Jamame, Margherita)			
Jamaame, 4 km S, 4 km W	ca.	0° 02' 00" N 42° 43' 00" E	
Jamaame, 5 km S, 7.5 km W		0° 01' 00" N 42° 41' 00" E	
Jamame (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
Kisimayo (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kisimayu (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kismaanyo (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kismaayo		0° 22' 00" S 42° 32' 00" E	0 m
(see also: Chisimaio, Chisimayu, Kisimayo, Kisimayu, Kismaanyo, Kismaju, Kismanyó, Kismayo, Kismayu)			
Kismaju (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kismanyó (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kismayo (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kismayu (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Margherita (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m

Ola Uager (see Hoja Wajeer)		1° 14' 00" N 41° 32' 00" E	4 m
Uaiore (see Hoja Wajeer)		1° 14' 00" N 41° 32' 00" E	4 m
Wadajir, 8 km N, 4.5 km E		0° 40' 00" S 41° 42' 00" E	
Wayore (see Hoja Wajeer)		1° 14' 00" N 41° 32' 00" E	4 m
LowerPC:JH|)			
LowerPC:SH|)			
MiddlPC:JD|)			
MiddlPC:SD|)			
MogadPC:BN|)			
Mont Fink (see Fink, mount)			
Mount Fink (see Fink, mount)			
Mudug region			
NorPC:BR|)			
Nugaal region			
(see also: Nugal region |PC:NU|)			
Callis (see Kalis)		8° 26' 00" N 49° 05' 00" E	308 m
Il Marodi (see Kalis)		8° 26' 00" N 49° 05' 00" E	308 m
Kalis		8° 26' 00" N 49° 05' 00" E	308 m
(see also: Callis, Il Marodi)			
NugalPC:NU|)			
Ruspoli			
Sanaag region			
(see also: Sanag region |PC:SA|)			
SanagPC:SA|)			
Shabeellaha Dhexe region			
(see also: Middle Shabelle region |PC:SD|)			
Balad (see Balcad)		2° 21' 00" N 45° 23' 00" E	84 m
Balad, 1 mi [=1.6 km] S (see Balcad, 1 mi [=1.6 km] S)	ca.	2° 21' 00" N 45° 23' 00" E	
Balad, 5 mi [=8 km] S (see Balcad, 5 mi [=8 km] S)	ca.	2° 21' 00" N 45° 23' 00" E	
Balcad		2° 21' 00" N 45° 23' 00" E	84 m
(see also: Balad)			
Balcad, 1 mi [=1.6 km] S	ca.	2° 21' 00" N 45° 23' 00" E	
(see also: Balad, 1 mi [=1.6 km] S)			
Balcad, 5 mi [=8 km] S	ca.	2° 21' 00" N 45° 23' 00" E	
(see also: Balad, 5 mi [=8 km] S)			
Eggi, 4 km S (see Eji, 4 km S), N of Mahaddei		3° 11' 00" N 45° 32' 00" E	100 m
Eji, 4 km S, N of Mahaddei		3° 11' 00" N 45° 32' 00" E	100 m
(see also: Eggi, 4 km S)			
Giohar (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Giohar, 1.5 km S, 0.5 km E (see Snai Sugar Plantation)		2° 46' 00" N 45° 31' 00" E	
Jawhar		2° 46' 00" N 45° 31' 00" E	100 m
(see also: Giohar, Johar, Joher, Joowhar, Jowhar, Villa del dottore Abruzzi, Villa Duca Abruzzi, Villaggio Duca Abruzzi, Villaggio Duca degli Abruzzi)			
Johar (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Joher (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Joowhar (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Jowhar (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Mallable		2° 12' 00" N 45° 37' 00" E	5 m
Snai Sugar Plantation, 1.5 km S, 0.5 km E Giohar		2° 46' 00" N 45° 31' 00" E	
(see also: Giohar, 1.5 km S, 0.5 km E)			
Villa del dottore Abruzzi (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Villa Duca Abruzzi (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Villaggio Duca Abruzzi (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Villaggio Duca degli Abruzzi (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Shabeellaha Hoose region			
(see also: Lower Shabelle region |PC:SH|)			
Afgoi (see Afgooye)		2° 09' 00" N 45° 07' 00" E	77 m
Afgoi, 6 km S, 17 km W (see Libsoma farm)		2° 05' 00" N 44° 58' 00" E	
Afgooye		2° 09' 00" N 45° 07' 00" E	77 m
(see also: Afgoi, Afgoye, Asgoi)			
Afgoye (see Afgooye)		2° 09' 00" N 45° 07' 00" E	77 m
Asgoi (see Afgooye)		2° 09' 00" N 45° 07' 00" E	77 m
Baraawe		1° 06' 00" N 44° 03' 00" E	0 m
(see also: Barawa, Barawe, Braawe, Brava, Brave)			
Barawa (see Baraawe)		1° 06' 00" N 44° 03' 00" E	0 m
Barawe (see Baraawe)		1° 06' 00" N 44° 03' 00" E	0 m
Braawe (see Baraawe)		1° 06' 00" N 44° 03' 00" E	0 m
Brava (see Baraawe)		1° 06' 00" N 44° 03' 00" E	0 m
Brave (see Baraawe)		1° 06' 00" N 44° 03' 00" E	0 m
Duca degli Abruzzi (see Jawhar)		1° 57' 00" N 44° 50' 00" E	73 m
El Amba cave (see El Amha cave)		1° 54' 12" N 45° 04' 57" E	

El Amha cave (see Raas Boqol iyoToban iyo Afar), 5.5 km S, 11.5 km W Gesira (see also: El Amba cave)		1° 54' 12" N 45° 04' 57" E	
Genale (see Jannaale)		1° 48' 00" N 44° 42' 00" E	64 m
Gesira , 5.5 km S, 11.5 km W (see Raas Boqol iyoToban iyo Afar)		1° 54' 12" N 45° 04' 57" E	
Giohar (see Jawhar)		1° 57' 00" N 44° 50' 00" E	73 m
Janaale (see Jannaale)		1° 48' 00" N 44° 42' 00" E	64 m
Jannaale (see also: Genale, Janaale)		1° 48' 00" N 44° 42' 00" E	64 m
Jawhar (see also: Duca degli Abruzzi, Giohar, Jowhar)		1° 57' 00" N 44° 50' 00" E	73 m
Jowhar (see Jawhar)		1° 57' 00" N 44° 50' 00" E	73 m
Libsoma farm, 6 km S, 17 km W of Afgoi, Mordinle (see also: Afgoi, 6 km S, 17 km W)		2° 05' 00" N 44° 58' 00" E	
Raas Boqol iyoToban (see Raas Boqol iyoToban iyo Afar), 5.5 km S, 11.5 km W Gesira		1° 54' 12" N 45° 04' 57" E	
Raas Boqol iyoToban iyo Afar, 5.5 km S, 11.5 km W Gesira (see also: El Amha cave, Gesira , 5.5 km S, 11.5 km W, Raas Boqol iyoToban)		1° 54' 12" N 45° 04' 57" E	
Saylac (see also: Seelaac, Séyla', Seylac, Zayla, Zeila, Zeyla, Zeylac)		11° 21' 14" N 43° 28' 26" E	5 m
Seelaac (see Saylac)		11° 21' 14" N 43° 28' 26" E	5 m
Séyla' (see Saylac)		11° 21' 14" N 43° 28' 26" E	5 m
Seylac (see Saylac)		11° 21' 14" N 43° 28' 26" E	5 m
Zayla (see Saylac)		11° 21' 14" N 43° 28' 26" E	5 m
Zeila (see Saylac)		11° 21' 14" N 43° 28' 26" E	5 m
Zeyla (see Saylac)		11° 21' 14" N 43° 28' 26" E	5 m
Zeylac (see Saylac)		11° 21' 14" N 43° 28' 26" E	5 m
Sool region (see also: Soul region |PC:SO|)			
Taleh cave		9° 12' 00" N 48° 25' 00" E	
SoulPC:SO|)			
Toghdeer region (see also: Tojtier region |PC:TO|)			
Bur 'ó (see Burco)		9° 31' 00" N 45° 32' 00" E	1034 m
Burao (see Burco)		9° 31' 00" N 45° 32' 00" E	1034 m
Burco (see also: Bur 'ó, Burao)		9° 31' 00" N 45° 32' 00" E	1034 m
Sheekh (see Shiikh)		9° 56' 00" N 45° 11' 00" E	1439 m
Sheikh (see Shiikh)		9° 56' 00" N 45° 11' 00" E	1439 m
Shiikh (see also: Sheekh, Sheikh, Upper Sheikh)		9° 56' 00" N 45° 11' 00" E	1439 m
Upper Sheikh (see Shiikh)		9° 56' 00" N 45° 11' 00" E	1439 m
TojtiPC:TO|)			
Woqooyi Galbeed region			
Berbera, near	ca.	10° 26' 23" N 45° 00' 52" E	
Dhuwi (see Dowai [wadi])		10° 02' 00" N 44° 14' 00" E	
Dowa (see Dowai [wadi])		10° 02' 00" N 44° 14' 00" E	
Dowai [wadi] (see also: Dhuwi, Dowa, Duwi Pass)		10° 02' 00" N 44° 14' 00" E	
Duwi Pass (see Dowai [wadi])		10° 02' 00" N 44° 14' 00" E	
Hargeisa (see Hargeysa)		9° 35' 00" N 44° 04' 00" E	1277 m
Hargesa (see Hargeysa)		9° 35' 00" N 44° 04' 00" E	1277 m
Hargeysa (see also: Hargeisa, Hargesa)		9° 35' 00" N 44° 04' 00" E	1277 m
South Africa			
"Cape of Good Hope" (see also: "Kaap Goede Hoop")			
"Kaap Goede Hoop" (see "Cape of Good Hope")			
Al-te-ver, Farm 103 (see Farm Al-te-ver 103), 1 km SSE Maastroom		22° 46' 00" S 28° 28' 00" E	
Bassutoland			
Benghensdorp			
Boerboomskraal (see also: Buffelsvlei, Marone, Morone)		24° 49' 00" S 30° 21' 00" E	876 m
Botshabelo			
Buffelsvlei (see Boerboomskraal)		24° 49' 00" S 30° 21' 00" E	876 m
Caffer (see Caffraria)			
Caffraria (see also: Caffer, Kaffraria)			
Cape Division			
Cape province (see also: Kaap provincie, The Cape)			

Middletown		
Rackpoort Guano Cave (see Rockport Guano Cave)		
Rockport Guano Cave (see also: Rackpoort Guano Cave)		
Cape Town, 200 mi [=322 km] E		
Carter's Nurseries		
Chemfos mine (see Langebaanweg)	32° 58' 00" S 18° 09' 00" E	56 m
Daniëlskuil	28° 11' 00" S 23° 32' 00" E	1451 m
De Hoek, Cradock District	31° 50' 00" S 26° 17' 00" E	1478 m
Eastern Cape province		
Aberdeen district (see Cacadu district)		
Alfred Nzo district		
Kokstad mine	30° 48' 36" S 29° 16' 48" E	
Ntsizwe mine	30° 28' 56" S 29° 09' 57" E	1512 m
Amatole district		
Abbotsford	32° 57' 45" S 27° 55' 00" E	20 m
Amabele	32° 39' 00" S 27° 32' 00" E	800 m
Amalinda	32° 59' 00" S 27° 51' 00" E	125 m
Arnoldton	32° 58' 00" S 27° 48' 00" E	200 m
Balasi	32° 51' 00" S 27° 24' 00" E	450 m
Bat's Cave, 5 km S, 7.5 km W Nahoon Point (see also: Nahoon Point, 5 km S, 7.5 km W)	33° 02' 45" S 27° 52' 05" E	0 m
Blaney	32° 52' 00" S 27° 32' 00" E	500 m
Blaney Nature Reserve, King William's Town	32° 52' 00" S 27° 27' 00" E	
Blythswood Institute (see Blythswood Training Institute)	32° 12' 00" S 27° 58' 00" E	850 m
Blythswood Training Institute (see also: Blythswood Institute, Blythswood Training Institution)	32° 12' 00" S 27° 58' 00" E	850 m
Blythswood Training Institution (see Blythswood Training Institute)	32° 12' 00" S 27° 58' 00" E	850 m
Breidbach, 1.4 km S, 5.2 km E King William's Town (see also: King William's Town, 1.4 km S, 5.2 km E)	32° 53' 31" S 27° 26' 42" E	380 m
Buffalo Pass	33° 00' 45" S 27° 48' 30" E	400 m
Coetzer's Rust, near Alice	32° 47' 00" S 26° 50' 00" E	550 m
Dwesa Forests (see Dwessa Forest Reserve)	32° 18' 13" S 28° 49' 43" E	11 m
Dwesa Nature Reserve (see Dwessa Forest Reserve)	32° 18' 13" S 28° 49' 43" E	11 m
Dwessa Forest Reserve (see also: Dwesa Forests, Dwesa Nature Reserve)	32° 18' 13" S 28° 49' 43" E	11 m
East London (see also: Oos-Londen)	33° 00' 00" S 27° 55' 00" E	20 m
Nahoon Suburb	32° 59' 00" S 27° 56' 00" E	50 m
Elliotdale (see also: Xhora)	31° 58' 00" S 28° 41' 00" E	534 m
The Haven	32° 14' 05" S 28° 55' 17" E	7 m
Engcobo	31° 40' 00" S 27° 59' 00" E	900 m
Farm Gleniffer, near Kei Road (see also: Gleniffer, Farm)	32° 42' 42" S 27° 34' 55" E	660 m
Farm Pretty View, 6.3 km N, 6.4 km W Seymour (see also: Pretty View, Farm, Seymour, 6.3 km N, 6.4 km W)	32° 29' 49" S 26° 42' 14" E	850 m
Farm Rangerton (see also: Rangerton, Farm)	32° 36' 44" S 27° 39' 50" E	740 m
Gleniffer, Farm (see Farm Gleniffer)	32° 42' 42" S 27° 34' 55" E	660 m
Green River, 5.2 km S, 9.6 km W King William's Town (see also: King William's Town, 5.2 km S, 9.6 km W)	32° 55' 00" S 27° 18' 00" E	400 m
Highbury Farm	32° 35' 00" S 27° 41' 00" E	600 m
Isidenge Bosboustasie (see Isidenge Forest Station)	32° 40' 22" S 27° 10' 14" E	1000 m
Isidenge Forest Station, 11.4 km S, 13.5 km W Stutterheim (see also: Isidenge Bosboustasie, Stutterheim, 11.4 km S, 13.5 km W;)	32° 40' 22" S 27° 10' 14" E	1000 m
Izele (Farmstead), near King William's Town (see also: Izele convent, Zele convent)	32° 49' 00" S 27° 24' 00" E	450 m
Izele convent (see Izele (Farmstead))	32° 49' 00" S 27° 24' 00" E	450 m
Izeleni Plantation	32° 41' 00" S 27° 25' 00" E	900 m
Kabusi Forest, 2 km W Stutterheim (see also: Stutterheim, 2 km W)	32° 31' 00" S 27° 15' 30" E	
Kabusi Forest station, 12 km W Stutterheim (see also: Stutterheim, 12 km W)	32° 35' 00" S 27° 17' 00" E	

King William's Town (see also: King Williamstown)		32° 53' 00" S 27° 24' 00" E	363 m
Fleet Ditch Tunnel		32° 53' 00" S 27° 23' 00" E	400 m
Kei Road		32° 42' 20" S 27° 32' 50" E	680 m
West Bank		32° 52' 30" S 27° 22' 40" E	420 m
King William's Town, 1.4 km S, 5.2 km E (see Breidbach)		32° 53' 31" S 27° 26' 42" E	380 m
King William's Town, 13.9 km N, 9.9 km W (see Pirie Trout hatchery)		32° 45' 05" S 27° 17' 14" E	560 m
King William's Town, 16 km NW (see Pirie Mission)		32° 47' 00" S 27° 13' 00" E	728 m
King William's Town, 17.7 km N, 9.5 km W (see Sandile's Cave)		32° 43' 00" S 27° 17' 30" E	800 m
King William's Town, 18.2 km S, 14.9 km W		33° 02' 29" S 27° 13' 56" E	244 m
King William's Town, 20 km NNW (see Sandile's Cave)		32° 42' 00" S 27° 16' 00" E	800 m
King William's Town, 5.2 km S, 9.6 km W (see Green River)		32° 55' 00" S 27° 18' 00" E	400 m
King Williamstown (see King William's Town), 100 km NE Grahamstown		32° 53' 00" S 27° 24' 00" E	363 m
Maden Dam		32° 44' 24" S 27° 17' 55" E	550 m
Msenge Ridge, near King William's Town		32° 51' 30" S 27° 22' 10" E	400 m
Nahoon Point, 5 km S, 7.5 km W (see Bat's Cave)		33° 02' 45" S 27° 52' 05" E	0 m
Oos-Londen (see East London)		33° 00' 00" S 27° 55' 00" E	0 m
Peddie		33° 12' 00" S 27° 07' 00" E	300 m
Pirie Forest, near King William's Town		32° 46' 00" S 27° 15' 00" E	1100 m
Pirie Mission, 16 km NW King Williams Town (see also: King William's Town, 16 km NW)		32° 47' 00" S 27° 13' 00" E	728 m
Pirie Trout hatchery, 13.9 km N, 9.9 km W King William's Town (see also: King William's Town, 13.9 km N, 9.9 km W)		32° 45' 05" S 27° 17' 14" E	560 m
Pretty View, Farm (see Farm Pretty View)		32° 29' 49" S 26° 42' 14" E	850 m
Rangerton, Farm (see Farm Rangerton)		32° 36' 44" S 27° 39' 50" E	740 m
Sandile's Cave, 17.7 km N, 9.5 km NW King William's Town (see also: King William's Town, 17.7 km N, 9.5 km W, King William's Town, 20 km NNW)		32° 43' 00" S 27° 17' 30" E	800 m
Sandile's Rest Trout and Forest Country Estate		32° 39' 40" S 27° 17' 53" E	
Seymour, 6.3 km N, 6.4 km W (see Farm Pretty View)		32° 29' 49" S 26° 42' 14" E	850 m
Stutterheim, 11.4 km S, 13.5 km W; (see Isidenge Forest Station)		32° 40' 22" S 27° 10' 14" E	1000 m
Stutterheim, 12 km W (see Kabusi Forest station)		32° 35' 00" S 27° 17' 00" E	
Stutterheim, 2 km W (see Kabusi Forest)		32° 31' 00" S 27° 15' 30" E	
Stutterheim, near	ca.	32° 33' 00" S 27° 27' 00" E	850 m
Tambook Vlei (see Tambookies Vlei)		32° 36' 00" S 26° 43' 00" E	900 m
Tambookies Vlei, near Hertzog (see also: Tambook Vlei)		32° 36' 00" S 26° 43' 00" E	900 m
Tsolwana Game Ranch, 4.0 km N, 29.0 km W Whittlesea (see also: Whittlesea, 4.0 km N, 29.0 km W)		32° 09' 00" S 26° 31' 00" E	1415 m
Whittlesea, 4.0 km N, 29.0 km W (see Tsolwana Game Ranch)		32° 09' 00" S 26° 31' 00" E	1415 m
Xhora (see Elliotdale)		31° 58' 00" S 28° 41' 00" E	534 m
Zele convent (see Izele (Farmstead))		32° 49' 00" S 27° 24' 00" E	450 m
Barkly East district (see Chris Hani district)			
Cacadu district (see also: Aberdeen district, Hankey district)			
Abbotsbury, 27.5 km N, 6 km E Graaff-Reinet (see also: Graaff-Reinet, 27.5 km N, 6 km E)		32° 00' 14" S 24° 31' 08" E	1300 m
Alexandria		33° 39' 00" S 26° 25' 00" E	195 m
Addo Elephant National Park (see Addo National Park)		33° 30' 00" S 25° 45' 00" E	400 ft
Addo Elephant Park (see Addo National Park)		33° 30' 00" S 25° 45' 00" E	400 ft
Addo National Park (see also: Addo Elephant National Park, Addo Elephant Park)		33° 30' 00" S 25° 45' 00" E	400 ft
Alice		32° 47' 00" S 26° 50' 00" E	493 m
Alicedale		33° 18' 00" S 26° 05' 00" E	300 m
Andries Vosloo Kudu Resserve, 19.2 km N, 18.3 km E Grahamstown (see also: Grahamstown, 19.2 km N, 18.3 km E)		33° 08' 12" S 26° 43' 17" E	460 m
Atherstone Station, near (see Farm Fir Glen)		33° 19' 20" S 26° 23' 21" E	900 m
Bathurst State Forest, 4.7 km S, 3.7 km W Bathurst (see also: Bathurst, 4.7 km S, 3.7 km W)		33° 32' 45" S 26° 47' 12" E	10 m

Bathurst, 4.7 km S, 3.7 km W (see Bathurst State Forest)		33° 32' 45" S 26° 47' 12" E	10 m
Bedford		32° 41' 00" S 26° 06' 00" E	800 m
Farm Inverary (see also: Inverary)			
Inverary (see Farm Inverary)			
Bedford, 2.2 km N, 9.5 km E (see Cullendale)		32° 39' 00" S 26° 11' 00" E	685 m
Brakfontein, Farm (see Farm Brakfontein), 12 mi [=19 km] N Willowmore		33° 08' 00" S 23° 25' 00" E	
Brakkloof, near Grahamstown		33° 12' 00" S 26° 40' 00" E	
Coloniesplaats (see Koloniesplaas), 28 mi [=45 km] N Graaff-Reinet		31° 59' 34" S 24° 47' 58" E	
Committees Drift		33° 09' 30" S 26° 49' 25" E	100 m
Committees Drift, 7.2 km S, 5.7 km W (see Farm Kleinpoort (Bd))		33° 13' 20" S 26° 46' 16" E	200 m
Cradock, 25 km SE	ca.	32° 11' 00" S 25° 37' 00" E	
Cradock, 40 km NW	ca.	32° 11' 00" S 25° 37' 00" E	
Cullendale, 2.2 km N, 9.5 km E Bedford (see also: Bedford, 2.2 km N, 9.5 km E, Mount Pleasant, Pleasant, mount)		32° 39' 00" S 26° 11' 00" E	685 m
De Vrede, Farm (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet		32° 13' 03" S 24° 12' 26" E	
Farm Brakfontein, 12 mi [=19 km] N Willowmore (see also: Brakfontein, Farm, Willowmore,12 mi [=19 km] N)		33° 08' 00" S 23° 25' 00" E	
Farm De Vrede, 27 mi [=43 km] W Graaff Reinet (see also: De Vrede, Farm, Farm Vrede, Graaff Reinet, 27 mi [=43 km] W, Vrede, Farm)		32° 13' 03" S 24° 12' 26" E	
Farm Fir Glen, near Atherstone Station (see also: Atherstone Station, near, Fir Glen, Farm)		33° 19' 20" S 26° 23' 21" E	900 m
Farm Kleinpoort (Bd), 7.2 km S, 5.7 km W Committees Drift (see also: Committees Drift, 7.2 km S, 5.7 km W, Kleinpoort, Farm)		33° 13' 20" S 26° 46' 16" E	200 m
Farm Koedoeskloof, 45.2 km S, 28.6 km W Murraysburg (see also: Koedoeskloof, Farm, Murraysburg, 45.2 km S, 28.6 km W)		32° 21' 23" S 23° 27' 04" E	884 m
Farm Mitford Park, 5 km W Riebeek-Oos (see also: Mitford Park, Farm, Riebeek-Oos, 5 km W)		33° 12' 00" S 26° 06' 00" E	700 m
Farm Mosslands, 11 mi [=17.7 km] SSW Grahamstown (see also: Grahamstown, 11 mi [=17.7 km] SSW, Mossland, Mosslands, Farm)		33° 24' 23" S 26° 25' 45" E	
Farm Stones Hill, 5 km S, 5 km E Grahamstown (see also: Grahamstown, 5 km S, 5 km E, Stones Hill, Farm)		33° 20' 00" S 26° 34' 00" E	430 m
Farm Uitvlug, 5.0 km N, 11.0 km E Joubertina (see also: Joubertina, 5.0 km N, 11.0 km E)		33° 49' 00" S 24° 01' 00" E	550 m
Farm Vrede (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet		32° 13' 03" S 24° 12' 26" E	
Farm Waterloo, 1.5 km S, 1.2 km E Grahamstown (see also: Grahamstown, 1.5 km S, 1.2 km E, Waterloo, Farm)		33° 19' 26" S 26° 32' 18" E	610 m
Fir Glen, Farm (see Farm Fir Glen), Grahamstown		33° 19' 20" S 26° 23' 21" E	900 m
Fort Beaufort		32° 47' 00" S 26° 38' 00" E	500 m
Fort Beaufort and Grahamstown, halfway between			
Fort Beaufort, 14 km W		32° 47' 00" S 26° 38' 00" E	
Fort Beaufort, 23.7 km S, 9.7 km E (see Sam Knott Nature Reserve)		32° 56' 29" S 26° 44' 23" E	240 m
Fort Brown		33° 07' 00" S 26° 42' 00" E	400 m
Fort Brown Police Station, 19.9 km N, 8.6 km E Grahamstown (see also: Grahamstown, 19.9 km N, 8.6 km E)		33° 07' 49" S 26° 37' 05" E	270 m
Graaf Reinet (see Graaff-Reinet)		32° 13' 48" S 24° 33' 00" E	718 m
Graaff Reinet, 23 mi [=37 km] SE		32° 27' 00" S 24° 45' 00" E	
Graaff Reinet, 27 mi [=43 km] W (see Farm De Vrede)		32° 13' 03" S 24° 12' 26" E	
Graaff-Reinet (see also: Graaf Reinet)		32° 13' 48" S 24° 33' 00" E	718 m
Graaff-Reinet Nature Conservatory, 3.0 km E Graaff-Reinet (see also: Graaff-Reinet, 3.0 km E)		32° 15' 00" S 24° 34' 00" E	675 m
Graaff-Reinet, 27.5 km N, 6 km E (see Abbotsbury)		32° 00' 14" S 24° 31' 08" E	1300 m

Graaff-Reinet, 28 mi [=45 km] N (see Koloniesplaas)		31° 59' 34" S 24° 47' 58" E	
Graaff-Reinet, 3.0 km E (see Graaff-Reinet Nature Conservatory)		32° 15' 00" S 24° 34' 00" E	675 m
Grahamstad (see Grahamstown)		33° 18' 00" S 26° 32' 00" E	500 m
Grahamstown		33° 18' 00" S 26° 32' 00" E	500 m
(see also: Grahamstad)			
Atherstone, Farm (see Farm Atherstone)		33° 19' 00" S 26° 22' 00" E	600 m
Dog's Dam		33° 18' 00" S 26° 31' 00" E	530 m
Farm Atherstone		33° 19' 00" S 26° 22' 00" E	600 m
(see also: Atherstone, Farm)			
Fiddler's Green		33° 18' 00" S 26° 31' 00" E	530 m
Rhodes University, near Hamilton Reserve		33° 18' 00" S 26° 31' 00" E	530 m
St. Andrews College (Grahamstown)		33° 18' 20" S 26° 31' 10" E	550 m
Grahamstown, 1.5 km S, 1.2 km E (see Farm Waterloo)		33° 19' 26" S 26° 32' 18" E	610 m
Grahamstown, 11 mi [=17.7 km] SSW (see Farm Mosslands)		33° 24' 23" S 26° 25' 45" E	
Grahamstown, 19.2 km N, 18.3 km E (see Andries Vosloo Kudu Resserve)		33° 08' 12" S 26° 43' 17" E	460 m
Grahamstown, 19.9 km N, 8.6 km E (see Fort Brown Police Station)		33° 07' 49" S 26° 37' 05" E	270 m
Grahamstown, 5 km S, 5 km E (see Farm Stones Hill)		33° 20' 00" S 26° 34' 00" E	430 m
Hankey,1.3 km N, 3.5 km W		33° 49' 13" S 24° 50' 48" E	50 m
Humansdorp, 1.0 km N, 80.1 km W (see Storms River Mouth)		34° 01' 05" S 23° 54' 19" E	50 m
Humansdorp, 82 km W (see Stormsrivier-Bosreservaat)		33° 57' 00" S 23° 50' 00" E	
Jansenville, 8 mi [=12.9 km] NE	ca.	32° 57' 00" S 24° 41' 00" E	
Joubertina, 5.0 km N, 11.0 km E (see Farm Uitvlug)		33° 49' 00" S 24° 01' 00" E	550 m
Kaggasmondt (see Kaggasmoudt)		32° 52' 30" S 26° 14' 20" E	490 m
Kaggasmoudt		32° 52' 30" S 26° 14' 20" E	490 m
(see also: Kaggasmondt)			
Kareedouw, 5.0 km S, 15.5 km W (see Witels Forest Reserve)		33° 59' 47" S 24° 07' 37" E	240 m
Kareedouw, 7.6 km S, 39.0 km W		34° 01' 13" S 23° 52' 14" E	5 m
Kareedouw, 9,0 km S, 28.7 km W		34° 02' 00" S 23° 59' 00" E	50 m
Kleinpoort, Grahamstown		33° 19' 49" S 24° 52' 36" E	541 m
Kleinpoort, Farm (see Farm Kleinpoort (Bd))		33° 13' 20" S 26° 46' 16" E	200 m
Klipfontein, Klein Namaqualand		32° 26' 00" S 25° 45' 00" E	
Koedoeskloof, Farm (see Farm Koedoeskloof)		32° 21' 23" S 23° 27' 04" E	884 m
Koedoeskop Game Ranch		32° 59' 00" S 25° 11' 15" E	
(see also: Kuduskop)			
Koloniesplaas, 28 mi [=45 km] N Graaff-Reinet		31° 59' 34" S 24° 47' 58" E	
(see also: Coloniesplaats, Graaff-Reinet, 28 mi [=45 km] N)			
Kowie (see Port Alfred)		33° 36' 00" S 26° 54' 00" E	30 m
Kuduskop (see Koedoeskop Game Ranch)		32° 59' 00" S 25° 11' 15" E	
Lottering Forest Reserve, 10.3 km N, 34.7 km E Plettenberg Bay		33° 57' 54" S 23° 44' 46" E	240 m
(see also: Plettenberg Bay, 10.3 km N, 34.7 km E)			
Middledrift		32° 49' 00" S 26° 59' 00" E	
Inquibica River bed	ca.	32° 49' 00" S 26° 59' 00" E	
Mitford Park, Farm (see Farm Mitford Park)		33° 12' 00" S 26° 06' 00" E	700 m
Mossland (see Farm Mosslands), 11 mi [=17.7 km] SSW Grahamstown		33° 24' 23" S 26° 25' 45" E	
Mosslands, Farm (see Farm Mosslands), 11 mi [=17.7 km] SSW Grahamstown		33° 24' 23" S 26° 25' 45" E	
Mount Pleasant (see Cullendale)		32° 39' 00" S 26° 11' 00" E	685 m
Murraysburg, 45.2 km S, 28.6 km W (see Farm Koedoeskloof)		32° 21' 23" S 23° 27' 04" E	884 m
Patensie		33° 45' 20" S 24° 49' 06" E	142 m
(see also: Patentie)			
Farm Ferndale		32° 04' 00" S 24° 21' 00" E	
(see also: Ferndale, Farm)			
Ferndale, Farm (see Farm Ferndale)		32° 04' 00" S 24° 21' 00" E	
Patentie (see Patensie)		33° 45' 20" S 24° 49' 06" E	142 m
Pleasant, mount (see Cullendale)		32° 39' 00" S 26° 11' 00" E	685 m
Plettenberg Bay, 10.3 km N, 34.7 km E (see Lottering Forest Reserve)		33° 57' 54" S 23° 44' 46" E	240 m
Port Alfred		33° 36' 00" S 26° 54' 00" E	30 m
(see also: Kowie, The Kowie)			
Riebeek-Oos, 5 km W (see Farm Mitford Park)		33° 12' 00" S 26° 06' 00" E	700 m
Sam Knott Nature Reserve, 23.7 km S, 9.7 km E Fort Beaufort		32° 56' 29" S 26° 44' 23" E	240 m
(see also: Fort Beaufort, 23.7 km S, 9.7 km E)			

Stones Hill, Farm (see Farm Stones Hill)		33° 20' 00" S 26° 34' 00" E	430 m
Storms River Mouth, 1.0 km N, 80.1 km W Humansdorp (see also: Humansdorp, 1.0 km N, 80.1 km W, Stormsriver mouth)		34° 01' 05" S 23° 54' 19" E	50 m
Stormsriver mouth (see Storms River Mouth)		34° 01' 05" S 23° 54' 19" E	50 m
Stormsriver State Forest Station (see Stormsrivier-Bosreservaat), 82 km W Humansdorp		33° 57' 00" S 23° 50' 00" E	
Stormsrivier-Bosreservaat, 82 km W Humansdorp (see also: Humansdorp, 82 km W, Stormsriver State Forest Station)		33° 57' 00" S 23° 50' 00" E	
Table Farm cave, NW Grahamstown		33° 17' 00" S 26° 25' 00" E	648 m
The Kowie (see Port Alfred)		33° 36' 00" S 26° 54' 00" E	30 m
Tsitsikama National Park		33° 59' 17" S 23° 50' 45" E	
Guono Cave (see also: Stormsriver Mouth, 2 km S)			
Stormsriver Mouth, 2 km S (see Guono Cave)			
Tsitsikamma Guano cave	ca.	33° 59' 17" S 23° 50' 45" E	
Vrede, Farm (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet		32° 13' 03" S 24° 12' 26" E	
Waterloo, Farm (see Farm Waterloo)		33° 19' 26" S 26° 32' 18" E	610 m
Willowmore,12 mi [=19 km] N (see Farm Brakfontein)		33° 08' 00" S 23° 25' 00" E	
Witels Forest Reserve, 5.0 km S, 15.5 km W Kareedouw (see also: Kareedouw, 5.0 km S, 15.5 km W)		33° 59' 47" S 24° 07' 37" E	240 m
Chris Hani district (see also: Barkly East district)			
Aliwal North, Roodewal (see also: Aliwal-Noord)		30° 42' 00" S 26° 42' 00" E	1360 m
Aliwal-Noord (see Aliwal North), Roodewal		30° 42' 00" S 26° 42' 00" E	1360 m
Barkley East (see Barkly East)		30° 58' 00" S 27° 36' 00" E	1789 m
Barkly East, Drumbo (see also: Barkley East, Barkly-Oos)		30° 58' 00" S 27° 36' 00" E	1789 m
Barkly East, 12.3 km S, 14.1 km W (see Farm Clifford 287)		31° 04' 41" S 27° 26' 58" E	1780 m
Barkly East, 7.9 km S, 23.4 km W (see Farm Buckholt 228)		31° 02' 15" S 27° 21' 08" E	1680 m
Barkly-Oos (see Barkly East)		30° 58' 00" S 27° 36' 00" E	1789 m
Buckholt, Farm 228 (see Farm Buckholt 228)		31° 02' 15" S 27° 21' 08" E	1680 m
Burgersdorf (see Burgersdorp)		30° 59' 00" S 26° 19' 00" E	1450 m
Burgersdorp (see also: Burgersdorf, Burghersdorp)		30° 59' 00" S 26° 19' 00" E	1450 m
Burghersdorp (see Burgersdorp)		30° 59' 00" S 26° 19' 00" E	1450 m
Clifford, Farm 287 (see Farm Clifford 287)		31° 04' 41" S 27° 26' 58" E	1780 m
Dordrecht, Mariba, subdivision of Joubertskop		31° 22' 00" S 27° 03' 00" E	1723 m
Elliot, Ben Becula		31° 20' 00" S 27° 51' 00" E	1430 m
Farm 228 (Buckholt) (see Farm Buckholt 228)		31° 02' 15" S 27° 21' 08" E	1680 m
Farm 287 (Clifford) (see Farm Clifford 287)		31° 04' 41" S 27° 26' 58" E	1780 m
Farm 81 (Leeuwenfontein) (see Farm Leeuwenfontein 81)		31° 15' 21" S 25° 34' 25" E	1510 m
Farm Buckholt 228, 7.9 km S, 23.4 km W Barkly East (see also: Barkly East, 7.9 km S, 23.4 km W, Buckholt, Farm 228, Farm 228 (Buckholt))		31° 02' 15" S 27° 21' 08" E	1680 m
Farm Clifford 287, 12.3 km S, 14.1 km W Barkly East (see also: Barkly East, 12.3 km S, 14.1 km W, Clifford, Farm 287, Farm 287 (Clifford))		31° 04' 41" S 27° 26' 58" E	1780 m
Farm Freredell, .7 km N, 30.5 km E Molteno (see also: Freredell, Farm, Molteno, 7.7 km N, 30.5 km E)		31° 19' 36" S 26° 40' 58" E	1870 m
Farm Leeuwenfontein 81, Steynsburg, 4.4 km N, 24.0 km W (see also: Farm 81 (Leeuwenfontein), Leeuwenfontein, Farm 81, Steynsburg, 4.4 km N, 24.0 km W)		31° 15' 21" S 25° 34' 25" E	1510 m
Freredell, Farm (see Farm Freredell)		31° 19' 36" S 26° 40' 58" E	1870 m
Leeuwenfontein, Farm 81 (see Farm Leeuwenfontein 81)		31° 15' 21" S 25° 34' 25" E	1510 m
Molteno		31° 23' 47" S 26° 21' 45" E	1580 m
Molteno, 7.7 km N, 30.5 km E (see Farm Freredell)		31° 19' 36" S 26° 40' 58" E	1870 m
Rhodes, village		30° 47' 47" S 27° 58' 04" E	1829 m
Sterkstroom, Carnarvon, subdivision of Grootvlei		31° 34' 00" S 26° 33' 00" E	1322 m
Steynsburg, 4.4 km N, 24.0 km W (see Farm Leeuwenfontein 81)		31° 15' 21" S 25° 34' 25" E	1510 m
Hankey district (see Cacadu district)			
Municipal Farm, near Middelburg			4095 ft
Nelson Mandela Metro district			

Amanzi Estate, 4 mi [=6.4 km] N Despatch (see also: Despatch, 4 mi [=6.4 km] N)		33° 45' 00" S 25° 28' 00" E	
Despatch		33° 47' 00" S 25° 28' 00" E	30 m
Despatch, 4 mi [=6.4 km] N (see Amanzi Estate)		33° 45' 00" S 25° 28' 00" E	
Farm 326 (Vygeboom) (see Farm Vygeboom 326)		33° 16' 08" S 25° 40' 31" E	750 m
Farm Nico Smith, 20 mi [=32 km] W Port Elisabeth (see also: Nico Smith, Farm, Port Elisabeth, 20 mi [=32 km] W)		33° 59' 12" S 25° 17' 48" E	
Farm Pickford, 12 mi N Port Elizabeth		33° 49' 00" S 25° 32' 00" E	
Farm Vygeboom 326, 18.8 km N, 27.2 km W Paterson (see also: Farm 326 (Vygeboom), Paterson, 18.8 km N, 27.2 km W, Vygeboom, Farm 326)		33° 16' 08" S 25° 40' 31" E	750 m
Groendal Staatsbos, 10 km WNW Uitenhage (see also: Groendal Wilderness Area, Uitenhage, 10 km WNW)		33° 42' 00" S 25° 14' 00" E	
Groendal Wilderness Area (see Groendal Staatsbos), 10 km WNW Uitenhage		33° 42' 00" S 25° 14' 00" E	
Maitland Mines, 20 mi [=32 km] W Port Elisabeth (see also: Port Elisabeth, 20 mi [=32 km] W)		33° 59' 12" S 25° 17' 48" E	
Newton Park, Port Elizabeth		33° 57' 00" S 25° 34' 00" E	107 m
Nico Smith, Farm (see Farm Nico Smith), 20 mi [=32 km] W Port Elisabeth		33° 59' 12" S 25° 17' 48" E	
Paterson, 18.8 km N, 27.2 km W (see Farm Vygeboom 326)		33° 16' 08" S 25° 40' 31" E	750 m
Perseverance Junction (see Pickford, Farm)		33° 49' 00" S 25° 32' 00" E	
Pickford, Farm (see Pickford, Farm), 12 mi N Port Elizabeth (see also: Perseverance Junction, Pickford, Farm, Port Elizabeth, 12 mi N)		33° 49' 00" S 25° 32' 00" E	
Port Elisabeth		33° 58' 00" S 25° 35' 00" E	29 m
Cypris		33° 58' 00" S 25° 36' 00" E	
St. George's Park		33° 58' 00" S 25° 35' 00" E	
Summerstrand		33° 59' 00" S 25° 41' 00" E	10 m
Port Elisabeth, 20 mi [=32 km] W (see Maitland Mines)	ca.	33° 59' 12" S 25° 17' 48" E	
Port Elisabeth, 20 mi [=32 km] W (see Farm Nico Smith)		33° 59' 12" S 25° 17' 48" E	
Port Elisabeth, 26 mi [=42 km] W (see Van Staden's Valley)		33° 54' 00" S 25° 12' 00" E	430 m
Port Elizabeth	ca.	33° 58' 00" S 25° 38' 00" E	29 m
Port Elizabeth, 12 mi N (see Pickford, Farm)		33° 49' 00" S 25° 32' 00" E	
Schoenmakerskop (see Skoenmakerskop)		34° 02' 26" S 25° 32' 39" E	
Bat's cave		34° 02' 00" S 25° 32' 00" E	20 m
Skoenmakerskop (see also: Schoenmakerskop)		34° 02' 26" S 25° 32' 39" E	
Stadenspas (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth		33° 54' 00" S 25° 12' 00" E	430 m
Uitenhage district		33° 45' 00" S 25° 25' 00" E	
Uitenhage, 10 km WNW (see Groendal Staatsbos)		33° 42' 00" S 25° 14' 00" E	
Van Staaden River Pass (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth		33° 54' 00" S 25° 12' 00" E	430 m
Van Staadens Pass (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth		33° 54' 00" S 25° 12' 00" E	430 m
Van Staden's Valley (see also: Port Elisabeth, 26 mi [=42 km] W, Stadenspas, Van Staaden River Pass, Van Staadens Pass, Van Stadenspas)		33° 53' 00" S 25° 15' 00" E	430 m
Van Stadenspas (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth		33° 54' 00" S 25° 12' 00" E	430 m
Vygeboom, Farm 326 (see Farm Vygeboom 326)		33° 16' 08" S 25° 40' 31" E	750 m
O.R. Tambo district			
Ayliff, mount, 0.3 km N, 8.9 km W (see Insizwe Mine)		30° 48' 00" S 29° 17' 00" E	1140 m
Bizana, near Harding		30° 52' 00" S 29° 51' 00" E	800 m
Coffee Bar (see Coffee Bay)		31° 58' 00" S 29° 09' 00" E	20 m
Coffee Bay (see also: Coffee Bar, Koffiebaai)		31° 58' 00" S 29° 09' 00" E	20 m
Coffee Bay, 17.5 km N, 14.4 km E (see Hluleka Nature Reserve)		31° 49' 31" S 29° 18' 13" E	10 m
Deutschmann's Camp, 0.3 km S, 0.2 km W Umngazana River Mouth (see also: Umngazana River Mouth, 0.3 km S, 0.2 km W)		31° 41' 40" S 29° 25' 10" E	20 m
Emfundisweni (see Mfundisweni)		30° 54' 00" S 29° 32' 00" E	900 m
Emfundusweni (see Mfundisweni)		30° 54' 00" S 29° 32' 00" E	900 m

Fort Gale Suburb, 0.5 km S, 2.5 km W Umtata (see also: Umtata, 0.5 km S, 2.5 km W)	31° 35' 34" S 28° 45' 34" E	770 m
Hluleka Nature Reserve, 17.5 km N, 14.4 km E Coffee Bay (see also: Coffee Bay, 17.5 km N, 14.4 km E)	31° 49' 31" S 29° 18' 13" E	10 m
Insizwe Mine, 0.3 km N, 8.9 km W Mount Ayliff (see also: Ayliff, mount, 0.3 km N, 8.9 km W, Mount Ayliff, 0.3 km N, 8.9 km W)	30° 48' 13" S 29° 16' 52" E	1140 m
Koffiebaai (see Coffee Bay)	31° 58' 00" S 29° 09' 00" E	20 m
Lusikisiki	31° 21' 43" S 29° 34' 24" E	508 m
Matafalu River, Port St. Johns, near		
Mfundisweni (see also: Emfundisweni, Emfundusweni)	30° 54' 00" S 29° 32' 00" E	900 m
Mkambati Game Reserve, 4.1 km N, 1.1 km W Msikaba River Mouth (see also: Msikaba River Mouth, 4.1 km N, 1.1 km W)	31° 17' 00" S 29° 57' 24" E	5 m
Mount Ayliff, 0.3 km N, 8.9 km W (see Insizwe Mine)	30° 48' 00" S 29° 17' 00" E	1140 m
Msikaba river mouth	31° 19' 00" S 29° 58' 00" E	
Msikaba River Mouth, 4.1 km N, 1.1 km W (see Mkambati Game Reserve)	31° 17' 00" S 29° 57' 24" E	5 m
Ngqeleni	31° 40' 00" S 29° 02' 00" E	571 m
Ngqeleni District, W Pondoland	30° 40' 00" S 29° 02' 00" E	
Poenskop, 3.3 km N, 6.1 km E Port St. Johns (see also: Port St. Johns, 3.3 km N, 6.1 km E)	31° 35' 39" S 29° 36' 21" E	4 m
Pondoland (see also: Pongoland)	31° 20' 00" S 29° 30' 00" E	
Pongoland (see Pondoland)	31° 20' 00" S 29° 30' 00" E	
Port Saint Johns (see Port Saint John's)	31° 38' 00" S 29° 32' 00" E	121 m
Port Saint John's (see also: Port Saint Johns, Port St. Johns, Umzimbuvu)	31° 38' 00" S 29° 32' 00" E	121 m
Port St. Johns (see Port Saint John's)	31° 38' 00" S 29° 32' 00" E	121 m
Port St. Johns, 3.3 km N, 6.1 km E (see Poenskop)	31° 35' 39" S 29° 36' 21" E	4 m
Somerville (mission)	31° 12' 00" S 28° 39' 00" E	1000 m
Umngazana River Mouth, 0.3 km S, 0.2 km W (see Deutschmann's Camp)	31° 41' 40" S 29° 25' 10" E	20 m
Umtata City	31° 35' 18" S 28° 47' 10" E	685 m
Umtata, 0.5 km S, 2.5 km W (see Fort Gale Suburb)	31° 35' 34" S 28° 45' 34" E	770 m
Umtata, 1.8 km S, 3.0 km W (see University of Transkei Campus)	31° 36' 16" S 28° 45' 15" E	800 m
Umzigaba River mouth, Pondoland	31° 37' 30" S 29° 37' 30" E	
Umzimbuvu (see Port Saint John's)	31° 38' 00" S 29° 32' 00" E	121 m
University of Transkei Campus, 1.8 km S, 3.0 km W Umtata (see also: Umtata, 1.8 km S, 3.0 km W)	31° 36' 16" S 28° 45' 15" E	800 m
Ross Mission		
Ukhahlamba district		
Farm 184 (Olyvekloof) (see Farm Olyvekloof 184)	31° 07' 00" S 26° 52' 00" E	
Farm Lessingshoogte, 15 mi [=24 km] W Middelburg	31° 34' 00" S 24° 44' 00" E	
Farm Olyvekloof 184 (see also: Farm 184 (Olyvekloof), Olyvekloof, Farm 184)	31° 07' 00" S 26° 52' 00" E	
Gloria	31° 07' 00" S 26° 52' 00" E	
Fort Hoek Trading store, Herschel	30° 37' 00" S 27° 10' 00" E	1584 m
Gladstone	30° 17' 00" S 28° 25' 00" E	1425 m
Jamestown, Gloria, Subdivision of Farm Olyvekloof 184	31° 07' 00" S 26° 48' 00" E	1623 m
Lady Grey, Klipkraal	30° 42' 00" S 27° 14' 00" E	2091 m
Lessingshoogte, Farm (see Lessingshoogte, Farm), 15 mi [=24 km] W Middelburg (see also: Lessingshoogte, Farm, Middelburg, 15 mi [=24 km] W)	31° 34' 00" S 24° 44' 00" E	
Maclear, Milton	30° 58' 00" S 28° 14' 00" E	
Middelburg, 15 mi [=24 km] W (see Lessingshoogte, Farm)	31° 34' 00" S 24° 44' 00" E	
Olyvekloof, Farm 184 (see Farm Olyvekloof 184)	31° 07' 00" S 26° 52' 00" E	
Farm 103 (Al-te-ver) (see Farm Al-te-ver 103), 1 km SSE Maastroom	22° 46' 00" S 28° 28' 00" E	
Farm 59JQ (Rhenosterspruit) (see Farm Rhenosterspruit 59JQ)	25° 22' 30" S 27° 07' 30" E	
Farm Al-te-ver 103, 1 km SSE Maastroom (see also: Al-te-ver, Farm 103, Farm 103 (Al-te-ver), Maasstroom, 1 km SSE)	22° 46' 00" S 28° 28' 00" E	
Farm Kaffraria (see Kaffraria, Farm)	27° 48' 00" S 25° 07' 00" E	

Farm Kunkuru, Warmbaths (see also: Kunkuru, Farm)		27° 53' 00" S 27° 49' 00" E	
Farm Nooitgedacht, 20 km from Louis Trichardr (see also: Nooitgedacht, Farm)		22° 56' 00" S 29° 58' 00" E	614 m
Farm Rhenosterspruit 59JQ (see also: Farm 59JQ (Rhenosterspruit), Rhenosterspruit, Farm 59JQ)		25° 22' 30" S 27° 07' 30" E	
Free State province			
Fezile district (see also: Northern Free State district)			
Aasvogelrand-Oost, Farm 291 (see Farm Aasvogelrand-Oost 291), Vredefort		26° 52' 00" S 27° 22' 00" E	
Farm 291 (Aasvogelrand-Oost) (see Farm Aasvogelrand-Oost 291), Vredefort		26° 52' 00" S 27° 22' 00" E	
Farm 404 (Rietfontein) (see Farm Rietfontein 404), 7 km N Sasolburg		26° 46' 00" S 27° 43' 30" E	
Farm 448 (Schurwepoort) (see Farm Schurwepoort 448), Koppies		27° 25' 00" S 27° 35' 00" E	
Farm 465 (Parsons Rust) (see Farm Parsons Rust 465), Vredefort		26° 53' 00" S 27° 19' 00" E	
Farm 519 (Witklipfontein) (see Farm Witklipfontein 519), Vredefort		26° 56' 00" S 27° 15' 00" E	
Farm 780 (Helena) (see Farm Helena 780), Vredefort		26° 53' 00" S 27° 23' 00" E	
Farm Aasvogelrand-Oost 291, Vredefort (see also: Aasvogelrand-Oost, Farm 291, Farm 291 (Aasvogelrand-Oost))		26° 52' 00" S 27° 22' 00" E	
Farm Helena 780, Vredefort (see also: Farm 780 (Helena), Helena, Farm 780)		26° 53' 00" S 27° 23' 00" E	
Farm Parsons Rust 465, Vredefort (see also: Farm 465 (Parsons Rust), Parsons Rust, Farm 465)		26° 53' 00" S 27° 19' 00" E	
Farm Rietfontein 404, 7 km N Sasolburg (see also: Farm 404 (Rietfontein), Rietfontein, Farm 404, Sasolburg, 7 km N)		26° 46' 00" S 27° 43' 30" E	
Farm Schurwepoort 448, Koppies (see also: Farm 448 (Schurwepoort), Schurwepoort, Farm 448)		27° 25' 00" S 27° 35' 00" E	
Farm Witklipfontein 519, Vredefort (see also: Farm 519 (Witklipfontein), Witklipfontein, Farm 519)		26° 56' 00" S 27° 15' 00" E	
Helena, Farm 780 (see Farm Helena 780), Vredefort		26° 53' 00" S 27° 23' 00" E	
Koppies		27° 14' 00" S 27° 34' 00" E	
Parsons Rust, Farm 465 (see Farm Parsons Rust 465), Vredefort		26° 53' 00" S 27° 19' 00" E	
Rietfontein, Farm 404 (see Farm Rietfontein 404), 7 km N Sasolburg		26° 46' 00" S 27° 43' 30" E	
Sasolburg, 7 km N (see Farm Rietfontein 404)		26° 46' 00" S 27° 43' 30" E	
Schurwepoort, Farm 448 (see Farm Schurwepoort 448), Koppies		27° 25' 00" S 27° 35' 00" E	
Vredefort, Aasvogelrand-Oost (see also: Vredefort town)		27° 01' 00" S 27° 23' 00" E	1456 m
Vredefort Road, Vredefort		26° 55' 00" S 27° 22' 00" E	
Vredefort town (see Vredefort)		27° 07' 30" S 27° 22' 30" E	
Witklipfontein, Farm 519 (see Farm Witklipfontein 519), Vredefort		26° 56' 00" S 27° 15' 00" E	
Lejweleputswa district			
Albany district	ca.	27° 15' 00" S 26° 58' 00" E	
Bothaville		27° 22' 00" S 26° 37' 00" E	1275 m
Buitenhoop, Farm (see Farm Buitenhoop)		28° 06' 00" S 25° 13' 00" E	
Farm 60 (Graspan) (see Farm Graspan 60), Kroonstad		27° 48' 00" S 26° 58' 00" E	
Farm 750 (Middelwater) (see Farm Middelwater 750), Hoopstad		27° 44' 00" S 25° 26' 00" E	
Farm Buitenhoop (see also: Buitenhoop, Farm)		28° 06' 00" S 25° 13' 00" E	
Farm Graspan 60, Kroonstad (see also: Farm 60 (Graspan), Graspan, Farm 60)		27° 48' 00" S 26° 58' 00" E	
Farm Middelwater 750, Hoopstad (see also: Farm 750 (Middelwater), Middelwater, Farm 750)		27° 44' 00" S 25° 26' 00" E	
Graspan, Farm 60 (see Farm Graspan 60), Kroonstad		27° 48' 00" S 26° 58' 00" E	
Hoopstad, Sandveld Nature Reserve		27° 50' 00" S 25° 55' 00" E	1240 m

Middelwater, Farm 750 (see Farm Middelwater 750), Hoopstad	27° 44' 00" S 25° 26' 00" E	
Riebeeckstad, Kroonstad (see also: Riebeekstad)	27° 55' 00" S 26° 49' 00" E	1394 m
Riebeekstad (see Riebeeckstad), Kroonstad	27° 55' 00" S 26° 49' 00" E	1394 m
Motheo district		
Bloemfontein, 15 mi [=24 km] N (see Glen)	28° 56' 00" S 26° 20' 00" E	
Brandfort, Florisbad [686]	28° 42' 00" S 26° 28' 00" E	1412 m
Branfort	28° 41' 39" S 26° 27' 27" E	1388 m
Bultfontein (see also: Eldorado, Farm 66, Farm 66 (Eldorado), Farm Eldorado 66)	28° 56' 00" S 25° 57' 00" E	
Clocolan	28° 54' 00" S 27° 34' 00" E	1580 m
Dresden, Farm 366 (see Excelsior)	28° 56' 00" S 27° 04' 00" E	1453 m
Eldorado, Farm 66 (see Bultfontein), Bultfontein	28° 56' 00" S 25° 57' 00" E	
Excelsior (see also: Dresden, Farm 366, Farm 366 (Dresden), Farm Dresden 366)	28° 56' 00" S 27° 04' 00" E	1453 m
Farm 291 (Pinehurst) (see Farm Pinehurst 291), Ladybrand	29° 07' 30" S 27° 22' 30" E	
Farm 366 (Dresden) (see Excelsior)	28° 56' 00" S 27° 04' 00" E	1453 m
Farm 415 (Lemoenhoek) (see Farm Lemoenhoek 415), Ladybrand	29° 22' 30" S 27° 07' 30" E	
Farm 576 (Merrimietzie) (see Winburg)	28° 32' 00" S 27° 01' 00" E	1494 m
Farm 590 (Van Soelenshoek) (see Winburg)	28° 32' 00" S 27° 01' 00" E	1494 m
Farm 66 (Eldorado) (see Bultfontein), Bultfontein	28° 56' 00" S 25° 57' 00" E	
Farm 667 (Nova) (see Farm Nova 667), Ladybrand	29° 07' 30" S 27° 22' 30" E	
Farm 686 (Florisbad) (see Farm Florisbad 686), Brandfort	28° 46' 00" S 26° 05' 00" E	
Farm 743 (Faust) (see Farm Faust 743), Ficksburg	28° 46' 00" S 27° 47' 00" E	
Farm Dresden 366 (see Excelsior)	28° 56' 00" S 27° 04' 00" E	1453 m
Farm Eldorado 66 (see Bultfontein), Bultfontein	28° 56' 00" S 25° 57' 00" E	
Farm Faust 743, Ficksburg (see also: Farm 743 (Faust), Faust, Farm 743)	28° 46' 00" S 27° 47' 00" E	
Farm Florisbad 686, Brandfort (see also: Farm 686 (Florisbad), Florisbad, Farm 686)	28° 46' 00" S 26° 05' 00" E	
Farm Lemoenhoek 415, Ladybrand (see also: Farm 415 (Lemoenhoek), Lemoenhoek, Farm 415)	29° 22' 30" S 27° 07' 30" E	
Farm Merrimietzie 576 (see Winburg)	28° 32' 00" S 27° 01' 00" E	1494 m
Farm Nova 667, Ladybrand (see also: Farm 667 (Nova), Nova, Farm 667)	29° 07' 30" S 27° 22' 30" E	
Farm Pinehurst 291, Ladybrand (see also: Farm 291 (Pinehurst), Pinehurst, Farm 291)	29° 07' 30" S 27° 22' 30" E	
Farm Van Soelenshoek 590 (see Winburg)	28° 32' 00" S 27° 01' 00" E	1494 m
Faust, Farm 743 (see Farm Faust 743), Ficksburg	28° 46' 00" S 27° 47' 00" E	
Ficksburg, 37 Visser Str.	28° 53' 00" S 27° 53' 00" E	1510 m
Florisbad, Farm 686 (see Farm Florisbad 686), Brandfort	28° 46' 00" S 26° 05' 00" E	
Giel de Wet Park (see also: Thaba Nchu)	29° 07' 30" S 26° 37' 30" E	
Glen, 15 mi N [=24 km] Bloemfontein (see also: Bloemfontein, 15 mi [=24 km] N)	28° 56' 00" S 26° 20' 00" E	
Ladybrand, Alpha (see also: Ladybrand Commonage, Ladybrand Town)	29° 12' 00" S 27° 27' 00" E	1577 m
Ladybrand Commonage (see Ladybrand), Leliehoek	29° 12' 00" S 27° 27' 00" E	1577 m
Ladybrand Town (see Ladybrand)	29° 12' 00" S 27° 27' 00" E	1577 m
Lemoenhoek, Farm 415 (see Farm Lemoenhoek 415), Ladybrand	29° 22' 30" S 27° 07' 30" E	
Marquard, Leeukop [230]	28° 40' 00" S 27° 26' 00" E	1515 m
Merrimietzie, Farm 576 (see Winburg)	28° 32' 00" S 27° 01' 00" E	1494 m
Nova, Farm 667 (see Farm Nova 667), Ladybrand	29° 07' 30" S 27° 22' 30" E	
Pinehurst, Farm 291 (see Farm Pinehurst 291), Ladybrand	29° 07' 30" S 27° 22' 30" E	
Thaba Nchu (see Giel de Wet Park), Giel de Wet Park	29° 07' 30" S 26° 37' 30" E	
Van Soelenshoek, Farm 590 (see Winburg)	28° 32' 00" S 27° 01' 00" E	1494 m
Winburg (see also: Farm 576 (Merrimietzie), Farm 590 (Van Soelenshoek), Farm Merrimietzie 576, Farm Van Soelenshoek 590, Merrimietzie, Farm 576, Van Soelenshoek, Farm 590)	28° 32' 00" S 27° 01' 00" E	1494 m
Northern Free State district (see Fezile district)		

Thabo Mofutsanyane district
Ararat, Sterkfontein Dam Nature Reserve (see also: Sterkfontein Dam Nature Reserve) 28° 07' 30" S 28° 52' 30" E
Ararat (see Sterkfontein dam) 28° 26' 00" S 29° 01' 00" E
Bethlehem, Bellevue [1416] 28° 14' 00" S 28° 18' 00" E 1706 m
Clarens 28° 28' 00" S 28° 26' 00" E
Clarens, near ca. 28° 28' 00" S 28° 26' 00" E
De Poort, Farm 378 (see Ventersburg) 28° 05' 00" S 27° 08' 00" E 1425 m
Edenville 27° 33' 00" S 27° 41' 00" E 1500 m
Edenville, 6 mi [=9.7 km] W (see Waaghoek [Farmstead]) 27° 33' 00" S 27° 35' 00" E 1500 m
Eureka, Farm 674 (see Farm Eureka 674), Senekal 27° 58' 00" S 27° 35' 00" E
Farm 1785 (Schaapplaas) (see Farm Schaapplaas 1785), Clarens ca. 28° 37' 00" S 28° 22' 00" E
Farm 193 (Korfshoek) (see Farm Korfshoek 193), Harrismith 28° 30' 00" S 28° 46' 00" E
Farm 196 (Langverwaght) (see Vrede), Vrede 27° 25' 00" S 29° 10' 00" E 1668 m
Farm 227 (Uitvlugt) (see Farm Uitvlugt 227), Vrede 27° 27' 00" S 29° 23' 00" E
Farm 274 (Moscow) (see Farm Moscow 274), Heilbron 27° 17' 00" S 27° 58' 00" E
Farm 347 (Letsoana Stad) (see Farm Letsoana Stad 347), Fouriesburg 28° 37' 00" S 28° 13' 00" E 1801 m
Farm 347, Letsoana Stad (see Farm Letsoana Stad 347), Fouriesburg 28° 37' 00" S 28° 13' 00" E 1801 m
Farm 378 (De Poort) (see Ventersburg) 28° 05' 00" S 27° 08' 00" E 1425 m
Farm 396 (Non Pareil) (see Warden), Warden 27° 51' 00" S 28° 58' 00" E 1643 m
Farm 630 (Uitzicht) (see Farm Uitzicht 630), Harrismith 28° 04' 00" S 28° 27' 00" E
Farm 674 (Eureka) (see Farm Eureka 674), Senekal 27° 58' 00" S 27° 35' 00" E
Farm 747 (Waterval) (see Farm Waterval 747), Harrismith [Warden] 27° 52' 30" S 29° 07' 30" E
Farm 930 (Schaapplaats) (see Farm Schaapplaats 930) 27° 55' 42" S 28° 58' 21" E
Farm De Poort 378 (see Ventersburg) 28° 05' 00" S 27° 08' 00" E 1425 m
Farm Eureka 674, Senekal (see also: Eureka, Farm 674, Farm 674 (Eureka)) 27° 58' 00" S 27° 35' 00" E
Farm Geluk, Harrismith (see also: Geluk, Farm) 27° 52' 00" S 28° 52' 00" E
Farm Korfshoek 193, Harrismith (see also: Farm 193 (Korfshoek), Korfshoek, Farm 193) 28° 30' 00" S 28° 46' 00" E
Farm Langverwaght 196 (see Vrede), Vrede 27° 25' 00" S 29° 10' 00" E 1668 m
Farm Letsoana Stad 347, Fouriesburg (see also: Farm 347 (Letsoana Stad), Farm 347, Letsoana Stad) 28° 37' 00" S 28° 13' 00" E 1801 m
Farm Moscow 274, Heilbron (see also: Farm 274 (Moscow), Moscow, Farm 274) 27° 17' 00" S 27° 58' 00" E
Farm Non Pareil 396 (see Warden), Warden 27° 51' 00" S 28° 58' 00" E 1643 m
Farm Schaapplaas 1785, Clarens (see also: Farm 1785 (Schaapplaas), Schaapplaas, Farm 1785) ca. 28° 37' 00" S 28° 22' 00" E
Farm Schaapplaats 930 (see also: Farm 930 (Schaapplaats), Schaapplaats, Farm 930) 27° 55' 42" S 28° 58' 21" E
Farm Uitvlugt 227, Vrede (see also: Farm 227 (Uitvlugt), Uitvlugt, Farm 227) 27° 27' 00" S 29° 23' 00" E
Farm Uitzicht 630, Harrismith (see also: Farm 630 (Uitzicht), Uitzicht, Farm 630) 28° 04' 00" S 28° 27' 00" E
Farm Waterval 747, Harrismith [Warden] (see also: Farm 747 (Waterval), Waterval, Farm 747) 27° 52' 30" S 29° 07' 30" E
Fouriesburg, Letsoana Stad [347] 28° 37' 00" S 28° 13' 00" E 1801 m
Geluk, Farm (see Farm Geluk), Harrismith 27° 52' 00" S 28° 52' 00" E
Glen Reenen, Golden Gate 28° 31' 00" S 28° 37' 00" E 2175 m
Golden Gate Highlands National Park (see also: Golden Gate Nature Reserve, Mount Pierre se kloof, Qwa-Qwa National Park, Wonderhoek se kloof) 28° 30' 15" S 28° 36' 09" E
Golden Gate Nature Reserve (see Golden Gate Highlands National Park) 28° 31' 00" S 28° 37' 00" E
Harrismith 28° 22' 30" S 29° 07' 30" E
Harrismith district 28° 22' 30" S 29° 07' 30" E

Heilbron, Moscow [274]		27° 17' 00" S 27° 58' 00" E	
Korfshoek, Farm 193 (see Farm Korfshoek 193), Harrismith		28° 30' 00" S 28° 46' 00" E	
Kroonstad, 20 mi [=32 km] E (see Lehmkuhlsrust)		27° 39' 00" S 27° 33' 00" E	1400 m
Langverwaght, Farm 196 (see Vrede), Vrede		27° 25' 00" S 29° 10' 00" E	1668 m
Lehmkuhlsrust, 20 mi E Kroonstad (see also: Kroonstad, 20 mi [=32 km] E)		27° 39' 00" S 27° 33' 00" E	1400 m
Lindley, Arcadia		27° 52' 00" S 27° 55' 00" E	1572 m
Moscow, Farm 274 (see Farm Moscow 274), Heilbron		27° 17' 00" S 27° 58' 00" E	
Mount Pierre se kloof (see Golden Gate Highlands National Park)		28° 30' 15" S 28° 36' 09" E	
Non Pareil, Farm 396 (see Warden), Warden		27° 51' 00" S 28° 58' 00" E	1643 m
Orange River confluence, Bethlehem		28° 14' 00" S 28° 18' 00" E	
Qwa-Qwa National Park (see Golden Gate Highlands National Park)		28° 30' 15" S 28° 36' 09" E	
Qwa-Qwa National Park, Schuinskop		28° 22' 30" S 28° 52' 30" E	
Honingkloof Farm		28° 30' 41" S 28° 42' 44" E	
Schaapplaas, Farm 1785 (see Farm Schaapplaas 1785), Clarens	ca.	28° 34' 28" S 28° 27' 09" E	
Schaapplaats, Farm 930 (see Farm Schaapplaats 930)		27° 55' 42" S 28° 58' 21" E	
Senekal, Asem		28° 19' 00" S 27° 36' 00" E	
Sterkfontein dam, Ararat (see also: Ararat, Sterkfontein Dam Nature Reserve)		28° 26' 00" S 29° 01' 00" E	
Sterkfontein Dam Nature Reserve (see Ararat), Ararat		28° 07' 30" S 28° 52' 30" E	
Sterkfontein Dam Nature Reserve (see Sterkfontein dam)		28° 26' 00" S 29° 01' 00" E	
Uitvlugt, Farm 227 (see Farm Uitvlugt 227), Vrede		27° 27' 00" S 29° 23' 00" E	
Uitzicht, Farm 630 (see Farm Uitzicht 630), Harrismith		28° 04' 00" S 28° 27' 00" E	
Ventersburg (see also: De Poort, Farm 378, Farm 378 (De Poort), Farm De Poort 378, Willem Pretorius Game Reserve, Willempretoriuswildtuin)		28° 05' 00" S 27° 08' 00" E	1425 m
Vrede (see also: Farm 196 (Langverwaght), Farm Langverwaght 196, Langverwaght, Farm 196)		27° 25' 00" S 29° 10' 00" E	1668 m
Waaghoek [Farmstead], 6 mi W Edenville (see also: Edenville, 6 mi [=9.7 km] W)		27° 33' 00" S 27° 35' 00" E	1500 m
Warden, Non Pareil [396] (see also: Farm 396 (Non Pareil), Farm Non Pareil 396, Non Pareil, Farm 396)		27° 51' 00" S 28° 58' 00" E	1643 m
Waterval, Farm 747 (see Farm Waterval 747), Harrismith [Warden]		27° 52' 30" S 29° 07' 30" E	
Welgekgon, near Bethlehem	ca.	28° 00' 00" S 28° 00' 00" E	1700 m
Willem Pretorius Game Reserve (see Ventersburg)		28° 18' 00" S 27° 10' 00" E	
Willem Pretorius-Wildtuin		28° 18' 00" S 27° 10' 00" E	
Willempretoriuswildtuin (see Ventersburg)		28° 18' 00" S 27° 10' 00" E	
Wonderhoek se kloof (see Golden Gate Highlands National Park)		28° 31' 00" S 28° 37' 00" E	
Xhariep district			
Allemans Drift, Farm (see Farm Allemans Drift), Philippolis		30° 32' 00" S 25° 20' 00" E	
Allemansdrift, Farm (see Farm Allemans Drift), Philippolis		30° 32' 00" S 25° 20' 00" E	
Alma, Farm (see Farm Alma)		29° 40' 00" S 25° 06' 00" E	
Bethulie, Eendrag, Subdivision 2 of Damfontein [518]		30° 30' 00" S 25° 58' 00" E	1295 m
Bloemfontein		29° 08' 00" S 26° 12' 00" E	1423 m
Boshof (see also: Hertzogville)		28° 33' 00" S 25° 14' 00" E	1254 m
Butata, Farm 210 (see Zastron), Zastron		30° 18' 00" S 27° 05' 00" E	1672 m
Dewetsdorp, Leeukop [105]		29° 35' 00" S 26° 40' 00" E	1591 m
Driehoek, Farm 218 (see Farm Driehoek 218), Luckhoff		29° 38' 00" S 24° 52' 00" E	
Edenburg, Roodepoort [105]		29° 44' 00" S 25° 56' 00" E	1375 m
Elandsberg, Farm 198 (see Zastron), Zastron		30° 18' 00" S 27° 05' 00" E	1672 m
Farm 198 (Elandsberg) (see Zastron), Zastron		30° 18' 00" S 27° 05' 00" E	1672 m
Farm 210 (Butata) (see Zastron), Zastron		30° 18' 00" S 27° 05' 00" E	1672 m
Farm 218 (Driehoek) (see Farm Driehoek 218), Luckhoff		29° 38' 00" S 24° 52' 00" E	
Farm 246 (Zoutpansdrift) (see Farm Zoutpansdrift 246), Luckhoff		29° 43' 00" S 24° 23' 00" E	

Farm 320 (Lemoenboord) (see Farm Lemoenboord 320), Philippolis	30° 07' 30" S 24° 52' 30" E	
Farm 392 (Kranskop) (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Farm 398 (Spitskop) (see Farm Spitskop 398), Fauresmith	29° 30' 00" S 25° 59' 00" E	
Farm 405 (Hexrivier) (see Farm Hexrivier 405)	29° 39' 00" S 26° 10' 00" E	
Farm 506 (La Rochelle) (see Smithfield), Smithfield	30° 13' 00" S 26° 32' 00" E	
Farm 729 (Peperhoek) (see Farm Peperhoek 729), Fauresmith	29° 37' 30" S 24° 22' 30" E	
Farm 92 (Zuurfontein) (see Farm Zuurfontein 92), Fauresmith	29° 55' 00" S 25° 24' 00" E	
Farm 97 (Koele) (see Thaba Nchu)	29° 13' 00" S 26° 50' 00" E	1531 m
Farm Allemans Drift, Philippolis (see also: Allemans Drift, Farm, Allemansdrift, Farm, Farm Allemansdrift)	30° 32' 00" S 25° 20' 00" E	
Farm Allemansdrift (see Farm Allemans Drift), Philippolis	30° 32' 00" S 25° 20' 00" E	
Farm Alma (see also: Alma, Farm)	29° 40' 00" S 25° 06' 00" E	
Farm Butata 210 (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Farm Driehoek 218, Luckhoff (see also: Driehoek, Farm 218, Farm 218 (Driehoek))	29° 38' 00" S 24° 52' 00" E	
Farm Elandsberg 198 (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Farm Hexrivier 405 (see also: Farm 405 (Hexrivier), Hexrivier, Farm 405)	29° 39' 00" S 26° 10' 00" E	
Farm Kareepoort, Philippolis (see also: Kareepoort, Farm)	30° 15' 00" S 25° 04' 00" E	
Farm Koele 97 (see Thaba Nchu)	29° 13' 00" S 26° 50' 00" E	1531 m
Farm Kranskop 392 (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Farm La Rochelle 506 (see Smithfield), Smithfield	30° 13' 00" S 26° 32' 00" E	
Farm Lemoenboord 320, Philippolis (see also: Farm 320 (Lemoenboord), Lemoenboord, Farm 320)	30° 07' 30" S 24° 52' 30" E	
Farm Peperhoek 729, Fauresmith (see also: Farm 729 (Peperhoek), Peperhoek, Farm 729)	29° 37' 30" S 24° 22' 30" E	
Farm Spitskop 398, Fauresmith (see also: Farm 398 (Spitskop), Spitskop, Farm 398)	29° 30' 00" S 25° 59' 00" E	
Farm Zoutpansdrift 246, Luckhoff (see also: Farm 246 (Zoutpansdrift), Zoutpansdrift, Farm 246)	29° 43' 00" S 24° 23' 00" E	
Farm Zuurfontein 92, Fauresmith (see also: Farm 92 (Zuurfontein), Zuurfontein, Farm 92)	29° 55' 00" S 25° 24' 00" E	
Fauresmith, Boringst.	29° 45' 00" S 25° 19' 00" E	1460 m
Hertzogville (see Boshof)	28° 33' 00" S 25° 14' 00" E	1254 m
Hexrivier, Farm 405 (see Farm Hexrivier 405)	29° 39' 00" S 26° 10' 00" E	
Jacobsdal, Subdivision 1 of Wagenmakersdrift	29° 08' 00" S 24° 46' 00" E	1102 m
Jagersfontein, Ooskloof 20	29° 46' 00" S 25° 25' 00" E	1436 m
Jagersfontein Commonage, Disused mine	29° 39' 00" S 25° 23' 00" E	
Kareepoort, Farm (see Farm Kareepoort), Philippolis	30° 15' 00" S 25° 04' 00" E	
Knoffelfontein	29° 52' 00" S 24° 49' 00" E	1233 m
Koele, Farm 97 (see Thaba Nchu)	29° 13' 00" S 26° 50' 00" E	1531 m
Kranskop, Farm 392 (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
La Rochelle, Farm 506 (see Smithfield), Smithfield	30° 13' 00" S 26° 32' 00" E	
Lemoenboord, Farm 320 (see Farm Lemoenboord 320), Philippolis	30° 07' 30" S 24° 52' 30" E	
Luchoff, 16 mi [=25.7 km] S (see Luchoff, 16 mi [=25.7 km] S) (see also: Luchoff, 16 mi [=25.7 km] S)	29° 52' 00" S 24° 49' 00" E	1233 m
Luckhoff	29° 45' 00" S 24° 47' 00" E	1283 m
Peperhoek, Farm 729 (see Farm Peperhoek 729), Fauresmith	29° 37' 30" S 24° 22' 30" E	
Petrusburg	29° 07' 00" S 25° 25' 00" E	1263 m
Philippolis	30° 16' 00" S 25° 17' 00" E	1443 m
Reddersburg (see also: Reddersburgh Farm)	29° 39' 11" S 26° 10' 04" E	1402 m
Reddersburgh Farm (see Reddersburg)	29° 39' 11" S 26° 10' 04" E	1402 m
Shannon [railroad siding], Bloemfontein	29° 08' 00" S 26° 17' 00" E	
Smithfield (see also: Farm 506 (La Rochelle), Farm La Rochelle 506, La Rochelle, Farm 506)	30° 13' 00" S 26° 32' 00" E	

Spitskop, Farm 398 (see Farm Spitskop 398), Fauresmith		29° 30' 00" S 25° 59' 00" E	
Thaba Nchu, Koele [97] (see also: Farm 97 (Koele), Farm Koele 97, Koele, Farm 97)		29° 13' 00" S 26° 50' 00" E	1531 m
Trompburg town (see Trompsburg)		30° 02' 00" S 25° 47' 00" E	1431 m
Trompsburg (see also: Trompburg town, Trompsburg town)		30° 02' 00" S 25° 47' 00" E	1431 m
Trompsburg town (see Trompsburg)		30° 02' 00" S 25° 47' 00" E	1431 m
Zastron (see also: Butata, Farm 210, Elandsberg, Farm 198, Farm 198 (Elandsberg), Farm 210 (Butata), Farm 392 (Kranskop), Farm Butata 210, Farm Elandsberg 198, Farm Kranskop 392, Kranskop, Farm 392, Zastron Commons)		30° 18' 00" S 27° 05' 00" E	1672 m
Zastron Commonage (see Zastron Commons)		30° 18' 00" S 27° 05' 00" E	1672 m
Zastron Commons (see Zastron) (see also: Zastron Commonage)		30° 18' 00" S 27° 05' 00" E	1672 m
Zoutpansdrift, Farm 246 (see Farm Zoutpansdrift 246), Luckhoff		29° 43' 00" S 24° 23' 00" E	
Zuurfontein, Farm 92 (see Farm Zuurfontein 92), Fauresmith		29° 55' 00" S 25° 24' 00" E	
Gauteng province			
City of Johannesburg district			
Brits, 25.5 km S, 14.7 Km E (see Crocodile River Bank)		25° 51' 00" S 27° 56' 00" E	1225 m
Bryanston, 883 Lowndees Road		26° 03' 00" S 28° 02' 00" E	1520 m
Chartwell, Johannesburg		26° 00' 00" S 27° 58' 00" E	1351 m
Crocodile River Bank, 25.5 km S, 14.7 Km E Brits (see also: Brits, 25.5 km S, 14.7 Km E)		25° 51' 00" S 27° 56' 00" E	1225 m
Farm 173IQ (Sterkfontein) (see Sterkfontein, Farm 173IQ)		26° 01' 43" S 27° 42' 37" E	
Farm Sterkfontein 173IQ (see Sterkfontein, Farm 173IQ)		26° 01' 43" S 27° 42' 37" E	
Johannesburg		26° 12' 00" S 28° 05' 00" E	1765 m
Olifantsfontein, Johannesburg		26° 12' 00" S 28° 05' 00" E	
Sterkfontein, Farm 173IQ (see also: Farm 173IQ (Sterkfontein), Farm Sterkfontein 173IQ)		26° 01' 43" S 27° 42' 37" E	
Witwatersrand, Langlaagte, Johannesburg		26° 13' 00" S 27° 58' 00" E	
City of Tshwane district			
Cares		25° 40' 00" S 28° 15' 00" E	
Pretoria, 30 mi [=48 km] SW	ca.	25° 59' 07" S 27° 57' 57" E	
Pretoria, 6 mi [=9.6 km] W	ca.	25° 44' 44" S 28° 05' 09" E	
Ekurhuleni district			
Aetana (see also: Christian Brothers College)		25° 44' 00" S 28° 16' 00" E	
Agricultural Research Council [=ARC] grounds (see Irene), Pretoria		25° 52' 08" S 28° 12' 59" E	1469 m
Baviaanspoort Sewage Works, 21 km NE Pretoria (see also: Pretoria, 21 km NE)		25° 41' 25" S 28° 21' 47" E	
Baviaanspoort, Farm 330 (see Farm Baviaanspoort 330), Pretoria, 19 km NE		25° 40' 48" S 28° 21' 36" E	
Blurweberg cave, Pretoria		25° 48' 00" S 27° 58' 59" E	
Boekenhoutskloof, Farm (see Farm Boekenhoutskloof), Cullinan		25° 31' 00" S 28° 25' 00" E	
Bronkhorstspruit (see also: Erasmus)		25° 48' 30" S 28° 44' 26" E	1375 m
Burgers Park, Pretoria		25° 43' 00" S 28° 11' 00" E	
Cave of Death (see Irene), Pretoria		25° 52' 08" S 28° 12' 59" E	1469 m
Centurion (see also: Verwoerburg, Verwoerdburg)		25° 52' 28" S 28° 10' 14" E	1443 m
Christian Brothers College (see Aetana)		25° 44' 00" S 28° 16' 00" E	
Cullinan		25° 40' 32" S 28° 31' 20" E	1482 m
Daspoort (see Daspoortrant [mountains]), Pretoria		25° 45' 00" S 28° 02' 00" E	
Daspoort Range (see Daspoortrant [mountains]), Pretoria		25° 45' 00" S 28° 02' 00" E	
Daspoortrand (see Daspoortrant [mountains]), Pretoria		25° 45' 00" S 28° 02' 00" E	
Daspoortrant [mountains], Pretoria (see also: Daspoort, Daspoort Range, Daspoortrand)		25° 45' 00" S 28° 02' 00" E	
Derdepoort, Pretoria		25° 40' 50" S 28° 17' 20" E	
Erasmus (see Bronkhorstspruit)		25° 48' 30" S 28° 44' 26" E	1375 m
Farm 330 (Baviaanspoort) (see Farm Baviaanspoort 330), Pretoria, 19 km NE		25° 40' 48" S 28° 21' 36" E	

Farm 355 (Mooiplaas) (see Farm Hennopsriver 489), Pretoria		25° 50' 00" S 27° 58' 00" E	
Farm 489 (Hennops River) (see Farm Hennops River 489), Pretoria		25° 51' 00" S 27° 58' 00" E	
Farm 489 (Hennopsriver) (see Farm Hennopsriver 489), Pretoria		25° 50' 00" S 27° 58' 00" E	
Farm 489 (Hennopsrivier) (see Farm Hennops River 489), Pretoria		25° 51' 00" S 27° 58' 00" E	
Farm Baviaanspoort 330, Pretoria, 19 km NE (see also: Baviaanspoort, Farm 330, Farm 330 (Baviaanspoort), Pretoria, 19 km NE)		25° 40' 48" S 28° 21' 36" E	
Farm Boekenhoutskloof, Cullinan (see also: Boekenhoutskloof, Farm, Farm Okhotso Boekenhoutskloof, Ohkotso Boekenhoutskloof, Farm)		25° 31' 00" S 28° 25' 00" E	
Farm Hennops River 489, Pretoria (see also: Farm 489 (Hennops River), Farm 489 (Hennopsrivier), Farm Hennopsrivier 489, Hennops River, Farm 489, Hennopsrivier, Farm 489)		25° 51' 00" S 27° 58' 00" E	
Farm Hennopsriver 489, Pretoria (see also: Farm 355 (Mooiplaas), Farm 489 (Hennopsriver), Farm Mooiplaas 355, Hennopsriver, Farm 489, Mooiplaas, Farm 355, Skurweberg cave)		25° 50' 00" S 27° 58' 00" E	
Farm Hennopsrivier 489 (see Farm Hennops River 489), Pretoria		25° 51' 00" S 27° 58' 00" E	
Farm Mooiplaas 355 (see Farm Hennopsriver 489), Pretoria		25° 50' 00" S 27° 58' 00" E	
Farm Ohkotso, Pretoria, 32.6 km, on Molopo Road (see also: Farm Voigt's, Ohkotso, Farm, Pretoria, 32.6 km from, Voigt's; Farm)		25° 37' 00" S 28° 37' 00" E	
Farm Okhotso Boekenhoutskloof (see Farm Boekenhoutskloof), Cullinan		25° 31' 00" S 28° 25' 00" E	
Farm Rietfontein, pt 16, Bronkhorstspruit (see also: Rietfontein, Farm pt 16)	ca.	25° 48' 00" S 28° 44' 00" E	
Farm Rietgat, plot 102, Pretoria (see also: Rietgat, Farm plot 102)		25° 43' 00" S 28° 11' 00" E	
Farm Voigt's (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road		25° 37' 00" S 28° 37' 00" E	
Fountains [railroad siding] (see Founteine [railroad siding]), Pretoria		25° 47' 00" S 28° 11' 00" E	
Fountains Grove (see Founteine [railroad siding]), Pretoria		25° 47' 00" S 28° 11' 00" E	
Fountains Valley, Pretoria		25° 57' 00" S 28° 12' 00" E	
Fountein Grove (see Founteine [railroad siding])		25° 47' 00" S 28° 11' 00" E	
Founteine [railroad siding], Pretoria (see also: Fountains [railroad siding], Fountains Grove, Fountein Grove)		25° 47' 00" S 28° 11' 00" E	
Garsfontein, Pretoria		24° 48' 03" S 28° 17' 44" E	1394 m
Groenkloof, Pretoria		25° 48' 00" S 28° 12' 00" E	
Hatfield, Pretoria		25° 44' 48" S 28° 13' 23" E	
Hennops River [farmstead], Pretoria-Verwoedburg		25° 49' 34" S 27° 59' 05" E	
Hennops River, Farm 489 (see Farm Hennops River 489), Pretoria		25° 51' 00" S 27° 58' 00" E	
Hennopsriver, Farm 489 (see Farm Hennopsriver 489), Pretoria		25° 50' 00" S 27° 58' 00" E	
Hennopsrivier, Farm 489 (see Farm Hennops River 489), Pretoria		25° 51' 00" S 27° 58' 00" E	
Irene (see also: Agricultural Research Council [=ARC] grounds, Cave of Death, Irene cave)		25° 52' 08" S 28° 12' 59" E	1469 m
Irene cave (see Irene), Pretoria		25° 52' 08" S 28° 12' 59" E	1469 m
Jan Smit Steel Works, near, Pretoria North			
Kyalami Kennels, Randburg		25° 52' 30" S 28° 07' 30" E	
La Montagne, 280 Rotsvygie Street		25° 44' 55" S 28° 19' 23" E	
Lady Selborne, Pretoria (see also: Ladyselborne)		25° 42' 00" S 28° 08' 00" E	1249 m
Ladyselborne (see Lady Selborne), Pretoria		25° 42' 00" S 28° 08' 00" E	1249 m
Lombardy Willows, Pretoria		25° 46' 00" S 28° 20' 00" E	
Lynnwood Glen, Pretoria		25° 45' 42" S 28° 16' 38" E	1341 m
Maria van Riebeeck Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria		25° 52' 48" S 28° 16' 48" E	
Mayville, Pretoria		25° 43' 00" S 28° 11' 00" E	84 m
Mooiplaas, Farm 355 (see Farm Hennopsriver 489), Pretoria		25° 50' 00" S 27° 58' 00" E	

Munthouse, Pretoria		25° 48' 00" S 28° 11' 00" E	
Navors Suburb, Residence, Pretoria		25° 44' 00" S 28° 16' 00" E	
New Mucelneuck, Pretoria		25° 43' 48" S 28° 10' 48" E	
Ohkotso Boekenhoutskloof, Farm (see Farm Boekenhoutskloof), Cullinan		25° 31' 00" S 28° 25' 00" E	
Ohkotso, Farm (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road		25° 37' 00" S 28° 37' 00" E	
Olifants River, Pretoria district		25° 37' 30" S 28° 07' 30" E	
Onderstepoort, Pretoria		25° 39' 02" S 28° 11' 03" E	1196 m
Pretoria		25° 42' 25" S 28° 13' 46" E	1271 m
Lynnwood (see also: Lywood)		25° 45' 42" S 28° 16' 39" E	1341 m
Lywood (see Lynnwood)		25° 45' 42" S 28° 16' 39" E	1341 m
New Mucklenuek, 351 Rey Street		25° 41' 12" S 28° 11' 56" E	1274 m
Pretoria Boy's High School		25° 45' 31" S 28° 13' 47" E	1368 m
University of Pretoria, Zoology Building		25° 45' 13" S 28° 13' 50" E	1370 m
Pretoria North, Pretoria		25° 39' 44" S 28° 09' 55" E	1222 m
Pretoria, 17 km W (see Schurweberg)		25° 48' 39" S 28° 00' 27" E	
Pretoria, 19 km NE (see Farm Baviaanspoort 330)		25° 40' 48" S 28° 21' 36" E	
Pretoria, 21 km NE (see Baviaanspoort Sewage Works)		25° 41' 25" S 28° 21' 47" E	
Pretoria, 32.6 km from (see Farm Ohkotso), on Molopo Road		25° 37' 00" S 28° 37' 00" E	
Pretoria, near			
Queenswood, Pretoria		25° 44' 00" S 28° 15' 00" E	1369 m
Rietfontein, Farm pt 16 (see Farm Rietfontein, pt 16), Bronkhorstspruit	ca.	25° 48' 00" S 28° 44' 00" E	
Rietgat, Farm plot 102 (see Farm Rietgat, plot 102), Pretoria		25° 43' 00" S 28° 11' 00" E	
Rietondale, 177 Lys Street		25° 44' 00" S 28° 14' 00" E	
Rietvlei Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria		25° 52' 48" S 28° 16' 48" E	
Rosslyn, Pretoria		25° 37' 27" S 28° 05' 39" E	1262 m
Schurueberg Cave 1 (see Schurweberg caves)		25° 48' 39" S 28° 00' 27" E	
Schurweberg, Pretoria (see also: Pretoria, 17 km W, Schurweberg caves)		25° 48' 39" S 28° 00' 27" E	
Schurweberg caves (see Schurweberg), 17 km W Pretoria (see also: Schurueberg Cave 1)		25° 48' 39" S 28° 00' 27" E	
Shoshanguve, Pretoria		25° 24' 00" S 28° 04' 00" E	
Sinoville, Pretoria		25° 40' 11" S 28° 14' 01" E	1261 m
Skurweberg cave (see Farm Hennopsriver 489), Pretoria		25° 48' 00" S 27° 59' 00" E	
Sunnyside, Pretoria		25° 45' 00" S 28° 13' 00" E	1320 m
Townlands		25° 43' 00" S 28° 11' 00" E	
Tswaing Crater, Pretoria		25° 24' 49" S 28° 04' 42" E	
Valhalla, Pretoria		25° 48' 42" S 28° 09' 01" E	1405 m
Van Riebeeck Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria		25° 52' 48" S 28° 16' 48" E	
Van Riebeeck Natuurreservaat, Pretoria (see also: Maria van Riebeeck Nature Reserve, Rietvlei Nature Reserve, Van Riebeeck Nature Reserve)		25° 52' 48" S 28° 16' 48" E	
Verwoerburg (see Centurion), Pretoria		25° 52' 28" S 28° 10' 14" E	1443 m
Verwoerdburg (see Centurion)		25° 52' 28" S 28° 10' 14" E	1443 m
Voigt's; Farm (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road		25° 37' 00" S 28° 37' 00" E	
Waterkloof, Pretoria		25° 46' 41" S 28° 14' 09" E	1396 m
Wildeharthoek, Pretoria		25° 44' 00" S 28° 11' 00" E	
Wolvegatten, Pretoria		25° 44' 00" S 28° 11' 00" E	
Wonderboom, Pretoria (see also: Wonderboom cave)		25° 48' 00" S 28° 53' 00" E	1425 m
Wonderboom cave (see Wonderboom), Pretoria		25° 48' 00" S 28° 53' 00" E	1425 m
Zwartkop cave, Pretoria		25° 51' 00" S 28° 10' 00" E	
Zwartkop Military Nature Reserve, Pretoria		25° 50' 00" S 28° 08' 00" E	
Metsweding district			
Enkeldoornspoort, Farm 207 (see Farm Enkeldoornspoort 207), 16 km SE Rust de Winter		25° 18' 00" S 28° 40' 00" E	
Farm 207 (Enkeldoornspoort) (see Farm Enkeldoornspoort 207), 16 km SE Rust de Winter		25° 18' 00" S 28° 40' 00" E	
Farm 221JR (Leeudraai) (see Farm Leeudraai 221JR)		25° 22' 15" S 28° 33' 58" E	

Farm Enkeldoornspoort 207, 16 km SE Rust de Winter (see also: Enkeldoornspoort, Farm 207, Farm 207 (Enkeldoornspoort), Rust de Winter, 16 km SE)		25° 18' 00" S 28° 40' 00" E	
Farm Leeudraai 221JR (see also: Farm 221JR (Leeudraai), Leeudraai, Farm 221JR)		25° 22' 15" S 28° 33' 58" E	
Leeudraai, Farm 221JR (see Farm Leeudraai 221JR)		25° 22' 15" S 28° 33' 58" E	
Magaliesberg		25° 46' 00" S 27° 40' 00" E	1350 m
Brits, 14 km S, 10.5 km W (see Trident Kloof)		25° 46' 00" S 27° 40' 00" E	1350 m
Trident Kloof, 14 km S, 10.5 km W Brits (see also: Brits, 14 km S, 10.5 km W)		25° 46' 00" S 27° 40' 00" E	1350 m
Rust de Winter, 16 km SE (see Farm Enkeldoornspoort 207)		25° 18' 00" S 28° 40' 00" E	
Pretoria district	ca.	25° 42' 25" S 28° 13' 46" E	
Sedibeng district			
Birchleig, Kempton Park (see also: Kempton Park)		26° 04' 00" S 28° 14' 00" E	
Boksburg, Midtown		26° 13' 00" S 28° 15' 00" E	1599 m
Bredill, Benoni		26° 10' 00" S 28° 18' 00" E	
Bronkhorstspruit Dam Nature Reserve		25° 57' 16" S 28° 41' 03" E	
Brooklyn, Pretoria		25° 45' 47" S 28° 14' 13" E	
Farm 127 (Rolspruit) (see Farm Rolspruit 127), 7 km E Leslie		26° 24' 00" S 29° 00' 00" E	
Farm Rolspruit 127, 7 km E Leslie (see also: Farm 127 (Rolspruit), Farm Rotspruit, Leslie, 7 km E, Rolspruit, Farm 127, Rotspruit, Farm)		26° 24' 00" S 29° 00' 00" E	
Florida, Roodepoort		26° 10' 00" S 27° 55' 00" E	
Heidelberg, 16 km W (see Suikerbosrand Nature Reserve)		26° 30' 00" S 28° 13' 00" E	1668 m
Kempton Park (see Birchleig)		26° 06' 00" S 28° 15' 00" E	
Leslie, 7 km E (see Farm Rolspruit 127)		26° 24' 00" S 29° 00' 00" E	
Modderfontein		26° 05' 00" S 28° 10' 00" E	1577 m
Monument Park, Pretoria (see also: Monument Park caves)		25° 48' 00" S 28° 14' 00" E	1456 m
Monument Park caves (see Monument Park), Pretoria		25° 27' 36" S 28° 13' 48" E	
Mountain View, Pretoria		25° 42' 00" S 28° 09' 00" E	
Rolspruit, Farm 127 (see Farm Rolspruit 127), 7 km E Leslie		26° 24' 00" S 29° 00' 00" E	
Suikerboschrand Nature Reserve (see Suikerbosrand Nature Reserve), 16 km W Heidelberg		26° 30' 00" S 28° 13' 00" E	1668 m
Suikerbosrand Nature Reserve, 16 km W Heidelberg (see also: Heidelberg, 16 km W, Suikerboschrand Nature Reserve)		26° 30' 00" S 28° 13' 00" E	1668 m
Three Rivers, 11 Spey Drive		26° 39' 00" S 27° 59' 00" E	
West Driefontein caves, Randfontein			
West Rand district			
Bolts, Farm (see Farm Bolts), Krugersdorp		26° 02' 05" S 27° 42' 48" E	
Farm Bolts, Krugersdorp (see also: Bolts, Farm)		26° 02' 05" S 27° 42' 48" E	
Farm Gladysvale, 20 mi [=32 km] NNE Krugersdorp (see also: Gladysvale, Farm, Krugersdorp, 20 mi [=32 km] NNE)		25° 54' 00" S 27° 46' 00" E	1527 m
Farm Uitkyk, Krugersdorp (see also: Uitkyk, Farm, Witkhyk)		26° 05' 00" S 27° 46' 00" E	
Gladysvale, Farm (see Farm Gladysvale), 20 mi [=32 km] NNE Krugersdorp		25° 54' 00" S 27° 46' 00" E	1527 m
Kromdraai Gold Mine		26° 00' 21" S 27° 46' 06" E	3305 m
Krugersdorp (see also: Mogale City)		26° 06' 00" S 27° 46' 00" E	1712 m
American cave (see Farm Uitkomst 499)		25° 54' 00" S 27° 46' 00" E	
Farm 499 (Uitkomst) (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
Farm Uitkomst 499, Krugersdorp (see also: American cave, Farm 499 (Uitkomst), Jack Scott Private Nature Reserve, John Nash Nature Reserve, Long One Cave, Pretoria, 30 mi [=48 km] WSW, Pretoria, 32 mi [=51 km] W, Uitkomst, Farm 499)		25° 54' 00" S 27° 46' 00" E	
Jack Scott Private Nature Reserve (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
John Nash Nature Reserve (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	

Long One Cave (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
Pretoria, 30 mi [=48 km] WSW (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
Pretoria, 32 mi [=51 km] W (see Farm Uitkomst 499)		25° 54' 00" S 27° 46' 00" E	
Uitkomst, Farm 499 (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
Krugersdorp, 19 km NW (see Sterkfontein caves)		26° 01' 00" S 27° 44' 00" E	1600 m
Krugersdorp, 20 mi [=32 km] NNE (see Farm Gladysvale)		25° 54' 00" S 27° 46' 00" E	1527 m
Minaars cave, Krugersdorp		26° 00' 23" S 27° 44' 11" E	
Mogale City (see Krugersdorp)		26° 06' 00" S 27° 46' 00" E	
Muldersdrif, near, Krugersdorp (see also: Muldersdrift, near)		26° 01' 48" S 27° 46' 44" E	
Muldersdrift, near (see Muldersdrif, near), Krugersdorp		26° 01' 48" S 27° 46' 44" E	
OFD workings, Krugersdorp		26° 04' 00" S 27° 45' 00" E	
Pretoria - Kameeldrif, between	ca.	25° 43' 18" S 28° 03' 36" E	
Sterkfontein caves, 19 km NW Krugersdorp (see also: Krugersdorp, 19 km NW, Sterkfonteingrotte)		25° 58' 00" S 27° 40' 00" E	1600 m
Sterkfonteingrotte (see Sterkfontein caves), 19 km NW Krugersdorp		26° 01' 00" S 27° 44' 00" E	1600 m
Uitkyk, Farm (see Farm Uitkyk), Krugersdorp		26° 05' 00" S 27° 46' 00" E	
Witkhyk (see Farm Uitkyk)		26° 05' 00" S 27° 46' 00" E	
Gerlachshoop			
Glengarry Park, 26 km W Rosetta, near Kamberg (see also: Rosetta, 26 km W)		30° 15' 00" S 29° 36' 00" E	
Grootkloof, Magaliesburg		25° 10' 00" S 27° 06' 00" E	
Guano cave, Storms river mouth, 2 km S		34° 02' 00" S 23° 53' 00" E	
Harkverville Forest		34° 02' 59" S 23° 13' 03" E	
Horo		25° 37' 00" S 31° 22' 00" E	
Huhea cave		22° 56' 14" S 30° 06' 21" E	
Interior of Caffraria			
Kaap provincie (see Cape province)			
Kaffraria (see Caffraria)			
Kaffraria, Farm (see also: Farm Kaffraria)		27° 48' 00" S 25° 07' 00" E	
Koster Cave, Zwartrand		25° 52' 00" S 26° 54' 00" E	
Krokodil river		24° 30' 00" S 27° 15' 00" E	
Kunkuru, Farm (see Farm Kunkuru), Warmbaths		27° 53' 00" S 27° 49' 00" E	
KwaZulu-Natal province			
Amajuba district			
Chelmsford Nature Reserve, 30 km S Newcastle (see also: Newcastle, 30 km S)		27° 57' 54" S 29° 55' 18" E	1253 m
Gardenia, 10 mi [=16 km] S Newcastle (see also: Newcastle, 10 mi [=16 km] S)	ca.	27° 53' 36" S 29° 57' 58" E	
Moorfield Mountain Farm Nature Reserve		27° 52' 40" S 29° 42' 30" E	1776 m
New Castle (see Newcastle)		27° 45' 29" S 29° 55' 54" E	1276 m
Newcastle (see also: New Castle)		27° 45' 29" S 29° 55' 54" E	1276 m
Newcastle, 10 mi [=16 km] S (see Gardenia)	ca.	27° 53' 36" S 29° 57' 58" E	
Newcastle, 10 mi S	ca.	27° 51' 31" S 29° 57' 05" E	
Newcastle, 30 km S (see Chelmsford Nature Reserve)		27° 57' 54" S 29° 55' 18" E	1253 m
Animal Lodge		29° 45' 40" S 30° 40' 24" E	
Clearwater, Farm (see Farm Clearwater)		31° 16' 00" S 30° 01' 00" E	
Drakenburg mountains			
Eshowe, 20 mi [=32 km] NW (see Jususie valley)	ca.	28° 36' 00" S 31° 28' 00" E	
Estuary Forest Reserve			
eThekwini district			
Adams College, 22 mi [=35 km] NE Durban (see also: Adams M.S., Adams Mission, Adams Mission Station, Durban, 22 mi [=35 km] NE)		30° 02' 00" S 30° 49' 00" E	156 m
Adams M.S. (see Adams College), 22 mi [=35 km] NE Durban		30° 02' 00" S 30° 49' 00" E	156 m
Adams Mission (see Adams College), 22 mi [=35 km] NE Durban		30° 02' 00" S 30° 49' 00" E	156 m
Adams Mission Station (see Adams College), 22 mi [=35 km] NE Durban		30° 02' 00" S 30° 49' 00" E	156 m
Addington, Durban		29° 50' 36" S 31° 02' 03" E	0 m
Alverstone Lot 514		29° 45' 36" S 30° 43' 16" E	
Amanzimtoti		30° 03' 00" S 30° 52' 48" E	
Amatikulu Mountain		29° 41' 42" S 30° 55' 12" E	
Belfonan			
Bellar Adduss			

Bluff		29° 55' 54" S 31° 00' 48" E	
Brighton Beach		29° 56' 00" S 31° 00' 00" E	
Fynnlands		29° 53' 46" S 31° 01' 36" E	
Bluff Nature Reserve		29° 55' 59" S 30° 59' 36" E	20 m
Botha's Hill, Rob Roy Hotel		29° 45' 00" S 30° 44' 00" E	
Burman Bush, North Ridge Road, Durban			
Carrington Heights		29° 52' 59" S 30° 58' 01" E	
Cato Ridge		29° 41' 49" S 30° 38' 01" E	807 m
Cato Ridge, 3 km NE		29° 44' 00" S 30° 35' 00" E	ca. 800 m
Cavendish		29° 53' 49" S 30° 54' 48" E	
Chatsworth		29° 55' 07" S 30° 53' 30" E	
(see also: Chatsworth 1, Chatsworth Indian Township)			
Chatsworth 1 (see Chatsworth)		29° 55' 07" S 30° 53' 30" E	
Chatsworth Indian Township (see Chatsworth)		29° 55' 07" S 30° 53' 30" E	
Doon Heights		30° 04' 00" S 30° 52' 00" E	56 m
Durban		29° 51' 00" S 31° 01' 00" E	
(see also: Durban CBD, Port Natal)			
Briardene		29° 47' 53" S 31° 00' 56" E	35 m
Clairwood Park		29° 56' 00" S 30° 58' 00" E	
Durban, 21 King George Avenue		29° 45' 07" S 30° 49' 51" E	559 m
Bellair		29° 53' 00" S 30° 57' 00" E	
Berea		29° 51' 00" S 31° 00' 00" E	
Burman Bush Nature Reserve		29° 48' 58" S 31° 00' 57" E	
Cowies Hill		29° 49' 00" S 30° 53' 00" E	
Gillets (see Gillitts)		29° 46' 41" S 30° 47' 49" E	
Gilletts (see Gillitts), Durban		29° 46' 41" S 30° 47' 49" E	
Gillitts, Durban		29° 48' 00" S 30° 48' 00" E	
(see also: Gillets, Gilletts, Gillitts-Emberton)			
Gillitts-Emberton (see Gillitts), Durban		29° 46' 41" S 30° 47' 49" E	
Marine Parade		29° 51' 14" S 31° 02' 19" E	
Marshall Grove, Carrington Heights		29° 53' 14" S 30° 58' 10" E	60 m
Merebank		29° 57' 06" S 30° 57' 23" E	19 m
Montclair		29° 55' 14" S 30° 58' 08" E	70 m
Mosely		29° 51' 35" S 30° 52' 51" E	
Msinsi Nature Reserve		29° 52' 03" S 30° 58' 34" E	
Newlands West		29° 47' 16" S 30° 57' 29" E	
North Beach		29° 50' 51" S 31° 02' 09" E	5 m
Queensburgh		29° 51' 00" S 30° 54' 00" E	
Malvern		29° 53' 00" S 30° 55' 00" E	179 m
North Park Nature Reserve		29° 52' 00" S 30° 52' 00" E	209 m
Rossburgh		29° 54' 21" S 30° 58' 47" E	28 m
Sarnia		29° 50' 00" S 30° 52' 00" E	
Sarnia road, 28		29° 53' 21" S 30° 58' 59" E	28 m
Sea View		29° 53' 26" S 30° 57' 48" E	
(see also: Seaview)			
Seaview (see Sea View)		29° 53' 26" S 30° 57' 48" E	
Umbilo		29° 53' 21" S 30° 59' 04" E	
University of KwaZulu Natal, Cato Manor		29° 51' 47" S 30° 58' 09" E	143 m
University of Natal		29° 52' 03" S 30° 58' 40" E	
University Campus, Chemistry Dept.		29° 52' 03" S 30° 58' 40" E	108 m
Windermere		29° 49' 50" S 31° 01' 09" E	
Durban North, 8 Portland Crescent		29° 48' 00" S 31° 02' 00" E	
Glenhills		29° 47' 00" S 31° 02' 00" E	
Kensington		29° 46' 45" S 31° 02' 32" E	
Umgeni Heights		29° 48' 29" S 31° 01' 30" E	29 m
Glenwood		29° 50' 00" S 31° 00' 00" E	
Hillary		29° 53' 00" S 30° 57' 00" E	
Kingspark		29° 49' 31" S 31° 01' 50" E	
La Lucia		29° 44' 57" S 31° 03' 35" E	
Overport		29° 50' 20" S 30° 59' 24" E	
Point Caravan Park		31° 04' 00" S 30° 10' 00" E	5 m
Red Hill		29° 46' 34" S 31° 01' 39" E	252 m
Reservoir Hills		29° 48' 25" S 30° 56' 32" E	155 m
West Riding (see Westriding)		29° 47' 00" S 30° 46' 00" E	
Westriding		29° 47' 00" S 30° 46' 00" E	
(see also: West Riding)			
Westville		29° 50' 00" S 30° 56' 00" E	
University of Durban		29° 49' 02" S 30° 56' 43" E	189 m
Yellow Wood Park	ca.	29° 54' 57" S 30° 56' 18" E	118 m
(see also: Yellowwood Park)			
Kenneth Stainbank Nature Reserve		29° 55' 00" S 30° 56' 00" E	
Yellowwood Park (see Yellow Wood Park)	ca.	29° 54' 00" S 30° 55' 00" E	118 m
Durban CBD (see Durban)		29° 51' 00" S 31° 01' 00" E	
Durban International Airport		29° 58' 01" S 30° 56' 31" E	
Durban North area (presumably)		29° 48' 00" S 31° 02' 00" E	

Durban, 22 mi [=35 km] NE (see Adams College)		30° 02' 00" S 30° 49' 00" E	156 m
Durban, 5 km S (see Isipingo)		29° 59' 00" S 30° 56' 00" E	
Durban, near	ca.	29° 52' 00" S 31° 00' 00" E	
(see also: Port Natal, near)			
Durban, probably		29° 50' 00" S 31° 00' 00" E	
Escombe, Durban, Queensburgh		29° 52' 00" S 30° 54' 00" E	71 m
Everdon		29° 27' 00" S 30° 15' 00" E	
(see also: Everton)			
Everton (see Everdon)		29° 27' 00" S 30° 15' 00" E	1276 m
Glen Anil		29° 45' 07" S 31° 02' 13" E	
Glenashley		29° 45' 39" S 31° 03' 04" E	103 m
Glenmore		29° 35' 15" S 30° 58' 08" E	43 m
Greenwood Park		29° 47' 00" S 31° 01' 00" E	
Greyville		29° 50' 29" S 31° 00' 56" E	
Harold Johnson Nature Reserve, 8.5 km S Mandini		29° 12' 00" S 31° 25' 36" E	
(see also: Mandini, 8.5 km S)			
Hartburg Bambi			
Hazelmere Dam		29° 35' 00" S 31° 02' 00" E	
Hazelmere Dam Nature Reserve, Durban, Verulam		29° 36' 03" S 31° 02' 29" E	
Hillary area, Durban		29° 53' 00" S 30° 57' 00" E	115 m
Illovo		30° 05' 42" S 30° 49' 52" E	48 m
(see also: Illovo South)			
Illovo South (see Illovo)		30° 05' 42" S 30° 49' 52" E	48 m
Inanda Dam		29° 42' 01" S 30° 52' 01" E	
Isipingo, 5 km S Durban		29° 59' 00" S 30° 56' 00" E	
(see also: Durban, 5 km S)			
Kingsborough		30° 05' 00" S 30° 52' 00" E	0 m
(see also: Kingsburgh)			
Kingsburgh (see Kingsborough)		30° 05' 00" S 30° 52' 00" E	
Kloof		29° 47' 00" S 30° 50' 00" E	
Forest Hills, Epping Crescent		29° 45' 00" S 30° 49' 00" E	
Kranskloof Nature Reserve (see Krantzkloof Nature Reserve), Durban, Kloof		29° 46' 00" S 30° 50' 00" E	434 m
Kloof Falls Road/ Bridle Road picnic site		29° 46' 00" S 30° 49' 00" E	
Krantzkloof Nature Reserve		29° 46' 00" S 30° 50' 00" E	434 m
(see also: Kranskloof Nature Reserve, Kranzkloof Nature Reserve)			
Kranzkloof Nature Reserve (see Krantzkloof Nature Reserve)		29° 46' 00" S 30° 50' 00" E	434 m
Kloof area	ca.	29° 47' 00" S 30° 50' 00" E	
KwaMakuta Township		30° 03' 00" S 30° 53' 00" E	
Lake Seacow (see Seacow Lake), Durban		29° 52' 00" S 31° 00' 00" E	
Mandeni (see Mandini)		29° 08' 00" S 31° 24' 00" E	
Mandini		29° 08' 00" S 31° 24' 00" E	
(see also: Mandeni, Mandini Station, Umzumgwenya Nature Reserve)			
Mandini Station (see Mandini)		29° 08' 00" S 31° 24' 00" E	
Mandini, 8.5 km S (see Harold Johnson Nature Reserve)		29° 12' 00" S 31° 25' 36" E	
Manor Gardens		29° 51' 53" S 30° 58' 32" E	
Mid-Illovo, Richmond district		29° 58' 00" S 30° 30' 00" E	
Morningside		29° 50' 00" S 31° 00' 00" E	
Musgrave		29° 50' 06" S 31° 00' 27" E	
New Germany		29° 46' 57" S 30° 52' 20" E	697 m
Paradise Valley Nature Reserve		29° 48' 00" S 30° 53' 00" E	274 m
Northdene		29° 52' 00" S 30° 53' 00" E	
Northern Sewage Works (see Seacow Lake), Durban, Seacow Lake		29° 52' 00" S 31° 00' 00" E	
Palmiet Nature Reserve		29° 50' 00" S 30° 56' 00" E	168 m
Phoenix, N of Durban		29° 42' 14" S 31° 00' 13" E	
Pigeon Valley (see Pigeon Valley Park), Durban		29° 52' 00" S 31° 00' 00" E	96 m
Pigeon Valley Park, Durban, Glenwood		29° 51' 53" S 30° 59' 13" E	96 m
(see also: Pigeon Valley)			
Pinetown		29° 49' 00" S 30° 51' 00" E	
Cowies Hill Park		29° 49' 28" S 30° 52' 58" E	322 m
Westmead		29° 49' 24" S 30° 49' 55" E	335 m
Port Natal (see Durban)		29° 51' 00" S 31° 01' 00" E	
Port Natal, near (see Durban, near)	ca.	29° 52' 00" S 31° 00' 00" E	
SASEX (see Sugar Research Association Estate)		29° 42' 00" S 31° 02' 00" E	
Seacow Lake, Durban		29° 52' 00" S 31° 00' 00" E	
(see also: Lake Seacow, Northern Sewage Works)			
Shepstone Nature Reserve, Durban		29° 51' 00" S 31° 00' 00" E	
Shongweni Polo Club		29° 46' 49" S 30° 45' 00" E	601 m
Shongweni Resources Reserve		29° 51' 00" S 30° 42' 36" E	
Nshongweni (see Ntshongweni Dam)		29° 51' 00" S 30° 42' 36" E	290 m

Nshongweni Dam (see Ntshongweni Dam)		29° 51' 00" S 30° 42' 36" E	290 m
Ntshongweni Dam		29° 51' 00" S 30° 42' 36" E	290 m
(see also: Nshongweni, Nshongweni Dam , Shongweni , Shongweni Dam)			
Shongweni (see Ntshongweni Dam)		29° 51' 00" S 30° 42' 36" E	290 m
Shongweni Dam (see Ntshongweni Dam)		29° 51' 00" S 30° 42' 36" E	290 m
Silverglen Nature Reserve		29° 55' 58" S 30° 52' 35" E	120 m
Stainbank Nature Reserve, Durban, Yellowwood Park		29° 54' 00" S 30° 56' 00" E	
Sugar Research Association Estate, Mount Edgcombe (see also: SASEX)		29° 42' 00" S 31° 02' 00" E	
Tongaat (see also: Tongaat Village, Victoria)		29° 34' 20" S 31° 07' 00" E	0 m
Tongaat Village (see Tongaat)		29° 34' 20" S 31° 07' 00" E	0 m
Umdloti		29° 40' 21" S 31° 06' 56" E	33 m
Umhalanga (see Umhlanga Reserve)		29° 43' 00" S 31° 05' 00" E	11 m
Umhlanga Reserve, Umhlanga Rocks (see also: Umhalanga, Umhlanga Rocks)		29° 43' 00" S 31° 05' 00" E	11 m
Umhlanga Rocks (see Umhlanga Reserve), 2 Tibia Crescent		29° 43' 00" S 31° 05' 00" E	11 m
Umhlanga, 2.5 km NE (see Westbrook)		29° 36' 00" S 31° 10' 00" E	
Umhlatusi River		29° 51' 00" S 31° 00' 00" E	
Umzumgwenya Nature Reserve (see Mandini)		29° 08' 00" S 31° 24' 00" E	
Veralum		29° 39' 08" S 31° 02' 21" E	
Victoria (see Tongaat)		29° 34' 20" S 31° 07' 00" E	0 m
Warmer Beach, Kingsway		30° 05' 06" S 30° 51' 59" E	
Warner Beach		30° 05' 00" S 30° 52' 00" E	
Warner Beach area	ca.	30° 05' 00" S 30° 52' 00" E	
Waterfall		29° 45' 00" S 30° 50' 00" E	
Westbrook, 81 Acacia; 2.5 ? Km NE Umhlanga (see also: Umhlanga, 2.5 km NE)		29° 36' 00" S 31° 10' 00" E	
Westridge		29° 51' 25" S 30° 58' 44" E	141 m
Winkelspruit		30° 06' 15" S 30° 51' 09" E	
Xanadu Farm, Drummond	ca.	29° 45' 42" S 30° 41' 37" E	
Farm Clearwater (see also: Clearwater, Farm)		31° 16' 00" S 30° 01' 00" E	
Forest Inn			
Gramstown			
Hartburg			
iLembe district			
Ballito (see also: Ballito-Westbrook)		29° 32' 00" S 31° 13' 00" E	
Ballito-Westbrook (see Ballito) (see also: Dakahlia governorate |PC:DQ|)		29° 32' 00" S 31° 13' 00" E	
Blythedale Beach, Minivillas, KwaDukuza		29° 22' 23" S 31° 20' 57" E	75 m
Dlinza Forest, Eshowe		28° 53' 59" S 31° 27' 00" E	515 m
Doornhoek mine, 13.0 km E Pietermaritzburg (see also: Pietermaritzburg, 13.0 km E)		29° 36' 00" S 30° 31' 00" E	535 m
Eshowe		28° 53' 00" S 31° 28' 00" E	
Eshowe, 4 Leigh Road		28° 53' 29" S 31° 27' 56" E	526 m
Eshowe, 8 Residency Road		28° 53' 26" S 31° 27' 29" E	533 m
Farm Twin Streams, Mtunzini (see also: Twin Streams Farm)		28° 58' 00" S 31° 42' 00" E	
Insusie Valley (see Nsuze river)		28° 51' 00" S 31° 02' 00" E	
Insuzi river (see Nsuze river)		28° 51' 00" S 31° 02' 00" E	
Nsuze river (see also: Insusie Valley, Insuzi river)		28° 53' 00" S 31° 03' 00" E	
Pietermaritzburg, 13.0 km E (see Doornhoek mine)		29° 36' 00" S 30° 31' 00" E	535 m
Twin Streams Farm (see Farm Twin Streams), Mtunzini		28° 58' 00" S 31° 42' 00" E	
Insuzi valley (see Jususie valley), Zululand, 20 mi [=32 km] NW Eshowe	ca.	28° 36' 00" S 31° 28' 00" E	
Jususie valley, Zululand, 20 mi [=32 km] NW Eshowe (see also: Eshowe, 20 mi [=32 km] NW, Insuzi valley)	ca.	28° 36' 00" S 31° 28' 00" E	
Margate, near, Voortukkers strand, Durban		30° 51' 00" S 30° 22' 01" E	
Middle Garage			
Mountain Lakes Adventure Campsite, Jozini	ca.	27° 24' 36" S 32° 03' 36" E	
Mtongori			
N2 crosses Umhlanga River		29° 54' 23" S 30° 57' 06" E	
Namaba		27° 22' 30" S 32° 22' 30" E	
Natal			
Pongola River Bridge, on Jozini - Kosi Road		27° 02' 13" S 32° 15' 58" E	37 m
Reddersberg			
Rhenlagen, Uvong	ca.	30° 49' 56" S 30° 23' 02" E	
Rocktail Bay		27° 13' 17" S 32° 47' 36" E	

Shihangwane			
Sikangwana			
Sisonke district			
Donnybrook, 15 km W (see Hlabeni Forest Reserve)		29° 57' 00" S 29° 46' 00" E	1318 m
Evongo (see Uvongo Beach)		30° 50' 00" S 30° 24' 00" E	0 m
Giant's Castle Game and Nature Reserve (see Giant's Castle Game Reserve)		29° 14' 00" S 29° 29' 00" E	
Giant's Castle Game Reserve (see also: Giant's Castle Game and Nature Reserve, Giants Castle Wildreserve)		29° 14' 00" S 29° 29' 00" E	
Giants Castle Wildreserve (see Giant's Castle Game Reserve)		29° 14' 00" S 29° 29' 00" E	
Hella Hella Game Reserve (see Hella Hella Game Valley)		29° 54' 00" S 30° 05' 00" E	564 m
Hella Hella Game Valley (see also: Hella Hella Game Reserve, Hella-Hella Game Valley Estates)		29° 54' 00" S 30° 05' 00" E	564 m
Hella-Hella Game Valley Estates (see Hella Hella Game Valley), Richmond		29° 54' 00" S 30° 05' 00" E	564 m
Hilgobbin Dargler		29° 25' 00" S 30° 06' 00" E	
Hillcrest, off Falcon Road		29° 46' 00" S 30° 46' 00" E	
Himeville		29° 45' 00" S 29° 30' 00" E	1579 m
Hlabeni Forest Reserve, 15 km W Donnybrook (see also: Donnybrook, 15 km W)		29° 57' 00" S 29° 46' 00" E	1318 m
Loteni Nature Reserve		29° 28' 00" S 29° 31' 48" E	
Mooi River district	ca.	29° 13' 00" S 29° 59' 00" E	
Mount Currie Nature Reserve		30° 30' 13" S 29° 23' 41" E	
Natal Midlands		29° 21' 00" S 30° 00' 00" E	
Underberg, Trout hatchery		29° 47' 00" S 29° 30' 00" E	1579 m
Uvongo (see Uvongo Beach)		30° 50' 00" S 30° 24' 00" E	0 m
Uvongostrand (see Uvongo Beach)		30° 50' 00" S 30° 24' 00" E	0 m
Tanaba			
Tembe			
Ugu district			
Bazely village (see Bazley Beach)		30° 25' 58" S 30° 40' 10" E	
Bazley Beach (see also: Bazely village)		30° 25' 58" S 30° 40' 10" E	
Beneva Tunnel (see Esperanza Tunnel), Suzela		30° 20' 38" S 30° 37' 53" E	
Clansthal		30° 14' 00" S 30° 46' 00" E	
Greenpoint Lighthouse		30° 14' 57" S 30° 46' 38" E	
Craigieburn [Farmstead], Umkomaas, near		29° 54' 00" S 30° 39' 00" E	ca. 148 m
Doonside		30° 04' 00" S 30° 53' 00" E	24 m
Dumisa gold mine, 1 km E Dumisa railway station (see also: Dumisa Mine, Dumisa railway station, 1 km E, Umzinto, 5 km N, 22 km W)		30° 16' 05" S 30° 26' 29" E	685 m
Dumisa Mine (see Dumisa gold mine), 5 km N, 22 km W Umzinto		30° 16' 05" S 30° 26' 29" E	685 m
Dumisa railway station, 1 km E (see Dumisa gold mine), Ixopo		30° 16' 05" S 30° 26' 29" E	685 m
Durban, 50 km S		30° 13' 00" S 30° 48' 00" E	
Ellingham		30° 19' 00" S 30° 42' 00" E	
Empisini Nature Reserve, 1.5 km NWW Umkomaas (see also: Umkomaas, 1.5 km NWW)		30° 12' 00" S 30° 48' 00" E	19 m
Esperanza Tunnel, Suzela (see also: Beneva Tunnel)		30° 20' 38" S 30° 37' 53" E	10 m
Game Valley Estates, 17.5 km SSW Richmond, Hella-Hella (see also: Richmond, 17.5 km SSW)		29° 54' 00" S 30° 03' 00" E	
Happy Thoughts Gold Mine		30° 17' 00" S 30° 36' 00" E	
Hathaway, Hillcrest, Wishart Road, 26		29° 47' 00" S 30° 46' 00" E	
Mount Edgecombe, Sasex		29° 42' 00" S 31° 02' 00" E	
Mount Moreland, 12 Williams Road		29° 38' 33" S 31° 05' 37" E	34 m
Mtambanana		31° 50' 00" S 29° 16' 00" E	
Oribi Gorge Nature Reserve, Port Shepstone (see also: Oribi Gorge Ranch, Oribi-Lind Valley Game Ranch)		30° 43' 00" S 30° 16' 00" E	
Hutted camp, Port Shepstone		30° 43' 00" S 30° 16' 00" E	
Oribi Gorge Ranch (see Oribi Gorge Nature Reserve), near Port Shepstone		30° 42' 00" S 30° 13' 48" E	
Oribi-Lind Valley Game Ranch (see Oribi Gorge Nature Reserve), Port Shepstone		30° 42' 00" S 30° 13' 48" E	
Park Rynie (see also: Renie Park, Rynie Park)	ca.	30° 19' 00" S 30° 44' 00" E	
Ocean View Farm		30° 20' 20" S 30° 43' 52" E	

Pennington [railroad siding], 48 km NE Port Shepstone (see also: Port Shepstone, 48 km NE, Shepstone, 48 km NE)		30° 23' 00" S 30° 42' 00" E	
Port Edward		31° 03' 03" S 30° 13' 41" E	
Port Edward area	ca.	31° 04' 00" S 30° 10' 00" E	
Port Shepstone		30° 44' 29" S 30° 27' 18" E	0 m
Port Shepstone, 16 mi [=26 km] NE (see Umzumbi Mission)	ca.	30° 34' 00" S 30° 26' 00" E	
Port Shepstone, 48 km NE (see Pennington [railroad siding])		30° 23' 00" S 30° 42' 00" E	
Renie Park (see Park Rynie), near Mkomazi river	ca.	30° 19' 00" S 30° 44' 00" E	
Renishaw [railroad siding]		30° 16' 00" S 30° 45' 00" E	
Richmond, 17.5 km SSW (see Game Valley Estates), Hella-Hella		29° 54' 00" S 30° 03' 00" E	
Roseneath		30° 11' 06" S 30° 44' 37" E	
Rynie Park (see Park Rynie), near Mkomazi river	ca.	30° 19' 00" S 30° 44' 00" E	
Saint Winifred's Beach		30° 05' 18" S 30° 51' 14" E	72 m
Scottburg (see Scottburgh)		30° 17' 00" S 30° 45' 00" E	
Scottburgh (see also: Scottburg, Scottsburgh, Scottsburgh Golf Course)		30° 17' 00" S 30° 45' 00" E	
Scottburgh area, South Coast	ca.	30° 17' 00" S 30° 45' 00" E	
Scottburgh, 14 km SSW (see Umdoni Park)		30° 24' 00" S 30° 41' 00" E	50 m
Scottsburgh (see Scottburgh)		30° 17' 00" S 30° 45' 00" E	
Scottsburgh Golf Course (see Scottburgh)		30° 17' 00" S 30° 45' 00" E	
Sezela, 3 Msinzi Avenue		30° 25' 00" S 30° 41' 00" E	
Sezela Tunnel		30° 25' 00" S 30° 35' 00" E	
Shepstone, 48 km NE (see Pennington [railroad siding])		30° 23' 00" S 30° 42' 00" E	
Umbogontwini Nature Reserve		30° 03' 00" S 30° 53' 00" E	
Umbumbulu		29° 59' 00" S 30° 42' 00" E	593 m
Umdoni Caravan Park (see Umdoni Park), 14 km SSW Scottburgh, Pennington (see also: Umzinto, 9 km S, 2 km E)		30° 24' 00" S 30° 41' 00" E	50 m
Umdoni Park, 14 km SSW Scottburgh, Pennington (see also: Scottburgh, 14 km SSW, Umdoni Caravan Park)		30° 24' 00" S 30° 41' 00" E	50 m
Umdoni, near		30° 22' 37" S 30° 40' 21" E	
Umgababa		30° 08' 44" S 30° 50' 00" E	
Umkomaas		30° 12' 00" S 30° 48' 00" E	36 m
Umkomaas, 1.5 km NWW (see Empisini Nature Reserve)		30° 12' 00" S 30° 48' 00" E	
Umtamvuna Gorge Nature Reserve		30° 10' 27" S 30° 10' 13" E	119 m
Umtentweni (see also: Umtentweni Railroad Station, Umtentwini)		30° 42' 58" S 30° 27' 53" E	39 m
Umtentweni Railroad Station (see Umtentweni)		30° 42' 58" S 30° 27' 53" E	39 m
Umtentwini (see Umtentweni)		30° 42' 58" S 30° 27' 53" E	39 m
Umzinto, 5 km N, 22 km W (see Dumisa gold mine)		30° 16' 05" S 30° 26' 29" E	685 m
Umzinto, 9 km S, 2 km E (see Umdoni Caravan Park)		30° 24' 00" S 30° 41' 00" E	50 m
Umzumbe M.S. (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbe Mission (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbe Mission Station (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbi M.S. (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbi Mission, 16 mi [=26 km] NE Port Shepstone (see also: Port Shepstone, 16 mi [=26 km] NE, Umzumbe M.S., Umzumbe Mission, Umzumbe Mission Station, Umzumbi M.S., Umzumbi Mission Station)	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbi Mission Station (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	ca.	30° 34' 00" S 30° 26' 00" E	
Unnamed locality (Ugu district)		30° 12' 00" S 30° 19' 00" E	
Uvongo Beach, in Eucalyptus plantation (see also: Evongo, Uvongo, Uvongostrand)		30° 50' 00" S 30° 24' 00" E	0 m
Vernon Crookes Nature Reserve (see also: Vernon Crooks Nature Reserve)		30° 36' 00" S 30° 15' 36" E	
Vernon Crooks Nature Reserve (see Vernon Crookes Nature Reserve)		30° 36' 00" S 30° 15' 36" E	
Umgungundlovu district			

Albert Falls Nature Reserve, 20 km N Pietermaritzburg (see also: Albert Falls Public Resort, Albert Falls Resource Reserve)		29° 26' 45" S 30° 25' 43" E	
Chalet 1		29° 28' 00" S 30° 23' 00" E	
Khayalami Bay	ca.	29° 25' 34" S 30° 23' 39" E	663 m
Albert Falls Public Resort (see Albert Falls Nature Reserve)		29° 27' 00" S 30° 24' 00" E	
Albert Falls Resource Reserve (see Albert Falls Nature Reserve)		29° 26' 45" S 30° 25' 43" E	
Ashburton House (see Ashburton, Farm), Pietermaritzburg		29° 38' 00" S 30° 28' 00" E	760 m
Ashburton, Farm, 6 km S, 8 km E Pietermaritzburg (see also: Ashburton House, Farm Ashburton, Pietermaritzburg, 6 km S, 8 km E)		29° 40' 00" S 30° 28' 00" E	760 m
Beaumont		29° 52' 42" S 30° 33' 29" E	710 m
Bishopstowe cave, Pietermaritzburg		29° 34' 36" S 30° 27' 20" E	823 m
Bisley, near Pietermaritzburg		29° 42' 00" S 30° 19' 00" E	695 m
Boston	ca.	29° 40' 00" S 29° 57' 00" E	
Broughton		29° 26' 00" S 30° 27' 00" E	737 m
Chase Valley, Pietermaritzburg (see also: Chase Valley Heights)		29° 34' 00" S 30° 22' 00" E	798 m
Chase Valley Heights (see Chase Valley)		29° 34' 00" S 30° 22' 00" E	
Doornhoek, Farm (see Farm Doornhoek), Pietermaritzburg		29° 36' 00" S 30° 31' 00" E	
Durban, 48 km NW (see Umgeni (Fish) Hatchery)		29° 35' 25" S 30° 37' 18" E	400 m
Eston		29° 52' 14" S 30° 30' 24" E	688 m
Farm Ashburton (see Ashburton, Farm), Pietermaritzburg		29° 38' 00" S 30° 28' 00" E	760 m
Farm Doornhoek, Pietermaritzburg (see also: Doornhoek, Farm)		29° 36' 00" S 30° 31' 00" E	
Farm Otto's Bluff, 15 km NNW Pietermaritzburg (see also: Koks farm, Kok's farm, Ottos Bluff, Otto's Bluff Farm, Pietermaritzburg, 15 km NNW)		29° 30' 00" S 30° 21' 00" E	1188 m
Farm Strathfieldsaye, near Eston (see also: Strathfieldsaye, Farm)		29° 55' 15" S 30° 27' 44" E	
Ferncliff, Pietermaritzburg		29° 36' 00" S 30° 23' 00" E	
Ferncliff Nature Reserve		29° 32' 00" S 30° 20' 00" E	1000 m
Ferncliffe Nature Reserve		29° 33' 00" S 30° 19' 12" E	
Greytown		29° 06' 36" S 30° 36' 36" E	1015 m
Hilton, Pietermartzburg (see also: Hilton Railway tunnel)		29° 31' 00" S 30° 18' 00" E	1140 m
Pietermaritzburg, 2 km N (see Town Bush cave)		29° 31' 00" S 30° 18' 00" E	
Town Bush cave, 2 km N Pietermaritzburg (see also: Pietermaritzburg, 2 km N, Townbush Cave)		29° 31' 00" S 30° 18' 00" E	975 m
Townbush Cave (see Town Bush cave), Pietermaritzburg		29° 31' 00" S 30° 18' 00" E	975 m
Townbush Valley	ca.	29° 31' 00" S 30° 18' 00" E	
Hilton Railway tunnel (see Hilton), Pietermaritzburg		29° 31' 00" S 30° 18' 00" E	1140 m
Howick (see also: Howick Village)		29° 28' 00" S 30° 14' 00" E	
Lions river		29° 29' 00" S 30° 13' 00" E	
Howick Village (see Howick)		29° 28' 00" S 30° 14' 00" E	
Howick, 13 mi [=21 km] from (see Karkloof Forests)		29° 24' 00" S 30° 17' 00" E	
Kamberg Valley		29° 45' 04" S 29° 21' 49" E	
Karkloof Forests, 13 mi Howick (see also: Howick, 13 mi [=21 km] from)		29° 24' 00" S 30° 17' 00" E	
Koks farm (see Farm Otto's Bluff), Pietermaritzburg		29° 30' 00" S 30° 21' 00" E	1188 m
Kok's farm (see Farm Otto's Bluff), 15 km NNW Pietermaritzburg		29° 30' 00" S 30° 21' 00" E	1188 m
Lebanon Sappi plantation, near Howick		29° 18' 48" S 30° 12' 32" E	
Longstead Farm, near Claridge		29° 30' 47" S 30° 22' 17" E	
Maritzburg (see Pietermaritzburg)		29° 37' 00" S 30° 23' 00" E	
Merrivale		29° 31' 00" S 30° 14' 00" E	1031 m
Midmar Training Centre		29° 31' 45" S 30° 12' 30" E	
Montrose		29° 34' 30" S 30° 21' 08" E	717 m
Nagle Dam (see also: Nagle Dam Lodge, Pietermaritzburg, 25 km E)		29° 36' 00" S 30° 38' 00" E	365 m
Nagle Dam Fish Hatchery (see Umgeni (Fish) Hatchery)		29° 35' 25" S 30° 37' 18" E	400 m
Nagle Dam Lodge (see Nagle Dam)		29° 36' 00" S 30° 38' 00" E	365 m
Natal Midlands		29° 21' 00" S 30° 00' 00" E	
New Hanover school		29° 21' 00" S 30° 32' 00" E	717 m

Nottingham Road (see also: Nottingham weg)		29° 21' 00" S 30° 00' 00" E	
Nottingham weg (see Nottingham Road)		29° 21' 00" S 30° 00' 00" E	1533 m
Ottos Bluff (see Farm Otto's Bluff), Pietermaritzburg		29° 30' 00" S 30° 21' 00" E	1188 m
Otto's Bluff Farm (see Farm Otto's Bluff), 15 km NNW Pietermaritzburg		29° 30' 00" S 30° 21' 00" E	1188 m
Pietermaritsburg (see Pietermaritzburg)		29° 37' 00" S 30° 23' 00" E	
Pietermaritzburg (see also: Maritzburg, Pietermaritsburg)		29° 37' 00" S 30° 23' 00" E	
Athlone Park		30° 00' 54" S 30° 55' 24" E	
Pietermaritzburg area	ca.	29° 37' 00" S 30° 23' 00" E	
Pietermaritzburg University Campus		29° 36' 00" S 30° 23' 00" E	670 m
Pietermaritzburg, 15 km N (see Saxony Cave)		29° 28' 00" S 30° 20' 00" E	790 m
Pietermaritzburg, 15 km NNW (see Farm Otto's Bluff), Pietermaritzburg		29° 30' 00" S 30° 21' 00" E	1188 m
Pietermaritzburg, 16 km NNE		29° 29' 00" S 30° 26' 48" E	
Pietermaritzburg, 18 km N	ca.	29° 29' 23" S 30° 23' 27" E	
Pietermaritzburg, 20 km ENE	ca.	29° 26' 31" S 30° 29' 23" E	
Pietermaritzburg, 23 km N (see Table Mountain Pothole)		29° 36' 00" S 30° 36' 00" E	915 m
Pietermaritzburg, 25 km E (see Nagle Dam)		29° 36' 00" S 30° 38' 00" E	365 m
Pietermaritzburg, 6 km S, 8 km E (see Ashburton, Farm)		29° 40' 00" S 30° 28' 00" E	760 m
Queen Elizabeth Park, Pietermaritzburg		29° 33' 00" S 30° 19' 00" E	
EKZN Wildlife Headquarters		29° 33' 59" S 30° 19' 15" E	
Saxony Cave, 15 km N Pietermaritzburg (see also: Pietermaritzburg, 15 km N)		29° 28' 00" S 30° 20' 00" E	790 m
Scottsville, 26 Hutchinson Road		29° 36' 00" S 30° 26' 00" E	
Strathfieldsaye, Farm (see Farm Strathfieldsaye), near Eston		29° 55' 15" S 30° 27' 44" E	
Sweetwaters, Pietermartizburg		29° 14' 00" S 30° 37' 00" E	1065 m
Table Mountain Pothole (see also: Pietermaritzburg, 23 km N)		29° 36' 00" S 30° 36' 00" E	915 m
Town Bush		29° 33' 00" S 30° 21' 00" E	
Tugela river, Cafferland		29° 00' 00" S 30° 30' 00" E	
Ukhahlamba Drakensberg Park			
Garden Castle Nature Reserve (see Garden Castle State Forest), 33 km W of Underberg		29° 47' 00" S 29° 11' 00" E	
Garden Castle State Forest (see also: Garden Castle Nature Reserve, Underberg, 33 km W)		29° 47' 00" S 29° 11' 00" E	
Kamberg Nature Reserve		29° 29' 00" S 29° 41' 00" E	1800 m
Gladstone's Nose [mountain]		29° 24' 00" S 29° 39' 00" E	
Mkhomazi Wilderness Area			
Himeville, 45 km N (see Lotheni Nature Reserve)		29° 27' 00" S 29° 32' 00" E	1580 m
Lotheni Nature Reserve, 45 km N of Himeville (see also: Himeville, 45 km N)		29° 27' 00" S 29° 32' 00" E	1580 m
Underberg, 33 km W (see Garden Castle State Forest)		29° 47' 00" S 29° 11' 00" E	
Umgeni (Fish) Hatchery, 48 km NW Durban (see also: Durban, 48 km NW, Nagle Dam Fish Hatchery)		29° 35' 25" S 30° 37' 18" E	400 m
Virginia Farm, W of Boston		29° 40' 00" S 29° 57' 00" E	664 m
Weenen		28° 51' 00" S 30° 04' 00" E	858 m
Weston Agricultural College		29° 12' 45" S 30° 02' 15" E	1468 m
World's View, Pietermartizburg		29° 36' 00" S 30° 30' 00" E	1070 m
Umkhanyakude district			
Bester Game Farm (see T. Bester Game Farm)		27° 50' 00" S 32° 15' 00" E	200 m
Cape Vidal Nature Reserve, E shores		28° 08' 39" S 32° 32' 48" E	50 m
Department of Health camp (see Kosi Lake), Ingwavuma		26° 58' 00" S 32° 50' 00" E	
Eastern Shores (see Eastern Shores State Forest)		28° 11' 00" S 32° 29' 00" E	
Eastern Shores Nature Reserve (see Eastern Shores State Forest)		28° 11' 00" S 32° 29' 00" E	
Eastern Shores State Forest (see also: Eastern Shores, Eastern Shores Nature Reserve, Greater St. Lucia Wetland Park)		28° 11' 00" S 32° 29' 00" E	
Cape Vidal (see Cape Vidal State Forest), Eastern Shores Nature Reserve		28° 04' 00" S 32° 32' 00" E	
Cape Vidal State Forest, Eastern Shores Nature Reserve (see also: Cape Vidal)		28° 04' 00" S 32° 32' 00" E	
Saint Lucia (see Saint Lucia Estuary)		28° 22' 07" S 32° 24' 10" E	

Saint Lucia Estuary (see also: Saint Lucia, Saint Lucia Village, Saint Lucia Village Crocodile Centre, St. Lucia, St. Lucia Crocodile centre, St. Lucia Estuary, St. Lucia Lake, St. Lucia Wetland Park, Sugarloaf Camp Site)	28° 22' 07" S 32° 24' 10" E	
Saint Lucia Village (see Saint Lucia Estuary)	28° 22' 07" S 32° 24' 10" E	
Saint Lucia Village Crocodile Centre (see Saint Lucia Estuary)	28° 22' 07" S 32° 24' 10" E	
St. Lucia (see Saint Lucia Estuary)	28° 22' 07" S 32° 24' 10" E	
St. Lucia Crocodile centre (see Saint Lucia Estuary), Hlabisa district	28° 22' 07" S 32° 24' 10" E	
St. Lucia Estuary (see Saint Lucia Estuary)	28° 23' 00" S 32° 25' 00" E	
St. Lucia Lake (see Saint Lucia Estuary)	28° 22' 07" S 32° 24' 10" E	
St. Lucia Lake, E shores	28° 16' 00" S 32° 23' 00" E	
St. Lucia Wetland Park (see Saint Lucia Estuary)	28° 22' 07" S 32° 24' 10" E	
Sugarloaf Camp Site (see Saint Lucia Estuary)	28° 22' 07" S 32° 24' 10" E	
Emseleni (see Mseleni)	27° 19' 00" S 32° 32' 00" E	76 m
False Bay Nature Reserve (see also: False Bay Park)	28° 01' 00" S 32° 21' 00" E	
Dugundhlovu camp site	28° 01' 00" S 32° 21' 00" E	
Futululu Research Station (see Mfutululu [Forest Station]), St. Lucia	28° 25' 00" S 32° 16' 00" E	45 m
Ipheva camp site, St. Lucia, 2 km N St. Lucia Village (see also: Iphiva Camp, St. Lucia Village, 2 km N)	28° 21' 11" S 32° 25' 50" E	20 m
Iphiva Camp (see Ipheva camp site)	28° 21' 00" S 32° 25' 00" E	20 m
Lister Point Camp, St. Lucia (see also: Lister's Point, Listerspunt)	27° 58' 00" S 32° 23' 00" E	54 m
Lister's Point (see Lister Point Camp)	27° 58' 00" S 32° 23' 00" E	54 m
Listerspunt (see Lister Point Camp)	27° 58' 00" S 32° 23' 00" E	54 m
Mfutululu [Forest Station], Dududuku forest (see also: Futululu Research Station)	28° 25' 00" S 32° 16' 00" E	45 m
St. Lucia Village, 2 km N (see Ipheva camp site)	28° 21' 00" S 32° 25' 00" E	20 m
False Bay Park (see False Bay Nature Reserve), St. Lucia	27° 55' 00" S 32° 22' 00" E	
Greater St. Lucia Wetland Park (see Eastern Shores State Forest)	28° 11' 00" S 32° 29' 00" E	
Hlatikulu Forest Reserve	27° 19' 25" S 31° 59' 21" E	658 m
Hluhluwe Wildtuin (see Hluhluwe Game Reserve)	28° 05' 00" S 32° 05' 00" E	
Ingwavuma [ridge]	27° 08' 00" S 32° 00' 00" E	
Ingwavuma, Border cave	27° 01' 13" S 31° 59' 18" E	527 m
J.G. Strijdomdam (see Pongolapoortdam), Pongola, Jozini	27° 25' 00" S 31° 58' 00" E	122 m
Jesser Point, 2.5 km S (see Sodwana Bay)	27° 33' 00" S 32° 40' 00" E	20 m
Jozini (see also: Jozini village)	27° 26' 00" S 32° 04' 00" E	
Jozini Dam (see Pongolapoortdam), Pongola, Jozini	27° 25' 00" S 31° 58' 00" E	122 m
Jozini reservoir (see Pongolapoortdam), Pongola, Jozini	27° 25' 00" S 31° 58' 00" E	122 m
Jozini village (see Jozini)	27° 26' 00" S 32° 04' 00" E	
Jozini, lake (see Pongolapoortdam), Pongola, Jozini	27° 25' 00" S 31° 58' 00" E	122 m
Kosi (see Kosi Lake)	26° 58' 00" S 32° 50' 00" E	
Kosi Bay (see Kosibaai)	26° 54' 00" S 32° 52' 00" E	
Kosi Bay estuary, Ingwavuma	26° 54' 00" S 32° 52' 00" E	
Kosi Bay Nature Reserve	26° 57' 21" S 32° 49' 25" E	39 m
Kosi Lake (see also: Department of Health camp, Kosi, Kosimeer , KuHlange, Lake Kosi, Lake Nhlage, Nhlage Lake , Nhlange, Lake)	26° 58' 00" S 32° 50' 00" E	
Kosibaai (see also: Kosi Bay)	26° 54' 00" S 32° 52' 00" E	
Kosimeer (see Kosi Lake)	26° 58' 00" S 32° 50' 00" E	
Kube Yini Private Game Reserve	27° 48' 31" S 32° 13' 35" E	
KuHlange (see Kosi Lake)	26° 58' 00" S 32° 50' 00" E	
Lake Bangazi, 8 km NNE (see Shore Nature Reserve)	27° 22' 30" S 32° 37' 30" E	
Lake Bangazi, 9 km N (see Shore Nature Reserve, NE)	27° 22' 00" S 32° 37' 00" E	
Lake Kosi (see Kosi Lake)	26° 58' 00" S 32° 50' 00" E	
Lake Nhlage (see Kosi Lake)	26° 58' 00" S 32° 50' 00" E	
Lake Sibaya (see Sibaya, lake)	27° 20' 00" S 32° 41' 00" E	
Lake Sibaya Reserve Station, Ingwavuma	27° 21' 00" S 32° 43' 00" E	
Madlangula, hill, Ingwavuma	26° 57' 00" S 32° 49' 00" E	
Madwaleni (see also: Mtubatuba, 18 mi [=29 km] N)	28° 17' 37" S 32° 11' 19" E	

Makatini Flats		27° 15' 00" S 32° 13' 00" E	
Makatini Flats, 20 mi [=32 km] E	ca.	27° 14' 33" S 32° 21' 27" E	
Makatini Research Village Pongola River, Maputuland	ca.	27° 15' 00" S 32° 13' 00" E	
Manaba		27° 16' 00" S 32° 25' 00" E	
Manguzi village, Maputa (see also: Maputa)		26° 59' 00" S 32° 45' 00" E	60 m
Mansiya, near Hluhluwe-Imfolozi Park		28° 02' 13" S 32° 02' 57" E	
Manzengwenya Forest Station (see Manzengwenya Plantation), Lake Sibaya		27° 15' 00" S 32° 44' 00" E	
Manzengwenya Plantation, Lake Sibaya (see also: Manzengwenya Forest Station)		27° 15' 00" S 32° 44' 00" E	
Mapelana (see also: Mapelane)		28° 24' 00" S 32° 25' 00" E	
Mapelane (see Mapelana)		28° 24' 00" S 32° 25' 00" E	
Maputa (see Manguzi village), Maputa		26° 59' 00" S 32° 45' 00" E	60 m
Mazengwenya Forest Station, NE Lake Sibaya		27° 16' 00" S 32° 44' 00" E	50 m
Mission Rocks (Eastern Shore)		28° 16' 00" S 32° 29' 00" E	10 m
Mkhuze Game Reserve (see uMkhuze Game Reserve)		27° 39' 00" S 32° 14' 30" E	62 m
Umpila Cave		27° 34' 59" S 32° 13' 01" E	
Mkusi Game Reserve (see uMkhuze Game Reserve)		27° 39' 00" S 32° 14' 30" E	62 m
Mkuze (River Bridge)		27° 35' 57" S 32° 18' 07" E	45 m
Mkuze Game Reserve (see uMkhuze Game Reserve)		27° 39' 00" S 32° 14' 30" E	62 m
Bube pan, 15 km E Mkuzi village (see also: Malibali Hide, Malibali pan, Mkuzi village, 15 km E)		27° 37' 58" S 32° 11' 03" E	94 m
Ghost Mountain		27° 37' 00" S 32° 05' 00" E	
Kumsinga Hide, 15 km E Mkuzi village		27° 37' 43" S 32° 14' 09" E	94 m
Malibali Hide (see Bube pan)		27° 37' 58" S 32° 11' 03" E	94 m
Malibali pan (see Bube pan), 15 km E Mkuzi village		27° 37' 58" S 32° 11' 03" E	94 m
Mkuze River, 15 km E Mkuzi village, N Mtshopi (see also: Mkuzi River)		27° 52' 00" S 32° 29' 00" E	
Mkuzi River (see Mkuze River), 15 km E Mkuzi village		27° 52' 00" S 32° 29' 00" E	
Mkuzi village, 15 km E (see Bube pan)		27° 37' 58" S 32° 11' 03" E	94 m
Nhlonhela pan		27° 46' 48" S 32° 12' 00" E	
Wardens house, 15 km E Mkuzi village		27° 47' 00" S 32° 12' 00" E	
Mkuze, 25 km N (see Pongola Biosphere Reserve, Mpalane Lodge)			172 m
Mkuzi Game Reserve (see uMkhuze Game Reserve), 15 km E Mkuzi village		27° 39' 00" S 32° 14' 30" E	
Mpalane Lodge (see Pongola Biosphere Reserve, Mpalane Lodge), 25 km N Mkuze			172 m
Mseleni (see also: Emseleni)		27° 19' 00" S 32° 32' 00" E	76 m
Mtubatuba, 18 mi [=29 km] N (see Madwaleni)		28° 17' 37" S 32° 11' 19" E	
Mtubatuba, 58 km N (see T. Bester Game Farm)		27° 50' 00" S 32° 15' 00" E	200 m
Nduma Game Reserve (see Ndumu Game Reserve), Ingwavuma		26° 52' 00" S 32° 15' 00" E	
Ndumi Game Reserve (see Ndumu Game Reserve), Ingwavuma		26° 52' 00" S 32° 15' 00" E	
Ndumo (see also: Ndumu)		26° 55' 33" S 31° 15' 06" E	79 m
Ndumo Game Reserve (see Ndumu Game Reserve), Ingwavuma		26° 52' 00" S 32° 15' 00" E	
Ndumu (see Ndumo)		26° 55' 33" S 31° 15' 06" E	79 m
Ndumu Game Reserve, Ingwavuma (see also: Nduma Game Reserve, Ndumi Game Reserve, Ndumo Game Reserve)		26° 52' 00" S 32° 15' 00" E	
Usutu Floodsplain		26° 53' 00" S 32° 20' 00" E	100 m
Ndumu Police Station, Ndumu		26° 55' 00" S 32° 15' 00" E	
Ndumu store, Ingwavuma		26° 55' 00" S 32° 15' 00" E	
Ngxwala Hill		27° 34' 00" S 32° 05' 00" E	
Nhlage Lake (see Kosi Lake)		26° 58' 00" S 32° 50' 00" E	
Nhlange, Lake (see Kosi Lake)		26° 58' 00" S 32° 50' 00" E	
Nibela Peninsula		27° 56' 00" S 32° 26' 00" E	
Sibengu lodge (see also: Sobhengu Lodge)	ca.	27° 57' 00" S 32° 26' 00" E	41 m
Sobhengu Lodge (see Sibengu lodge), St. Lucia	ca.	27° 57' 00" S 32° 26' 00" E	41 m
Paulpietersburg, 30 km NW (see Pongola Bush Nature Reserve)	ca.	27° 19' 06" S 30° 30' 22" E	1404 m
Phinda Game Reserve		27° 51' 49" S 32° 16' 29" E	
Bayete Camp		27° 46' 48" S 32° 18' 36" E	ca. 56 m
Inkwazi Training Centre		27° 52' 18" S 32° 20' 38" E	60 m

Mziki Pan		27° 42' 05" S 32° 24' 50" E	28 m
Phinda Game Reserve, Forest Lodge		27° 46' 39" S 32° 20' 58" E	65 m
Phinda Mountain Lodge		27° 53' 02" S 32° 16' 58" E	
Phinda Rock Lodge		27° 52' 46" S 32° 16' 45" E	57 m
Phinda Game Reserve, cave 3		27° 51' 17" S 32° 16' 32" E	
Pongola Biosphere Reserve, Mpalane Lodge, 25 km N Mkuze (see also: Mkuze, 25 km N, Mpalane Lodge)	ca.	27° 23' 44" S 32° 04' 22" E	172 m
Pongola Bush Nature Reserve, 30 km NW Paulpietersburg (see also: Paulpietersburg, 30 km NW)	ca.	27° 19' 06" S 30° 30' 22" E	1404 m
Pongola dam (see Pongolapoort Dam), Pongola, Jozini		27° 25' 08" S 32° 04' 16" E	122 m
Pongola Nature Reserve	ca.	27° 23' 44" S 32° 04' 22" E	
Mkaya Camp		27° 23' 24" S 31° 53' 24" E	
Pongolapoort Dam, Pongola, Jozini (see also: Pongola dam)		27° 25' 08" S 32° 04' 16" E	122 m
Pongolapoortdam, Pongola, Jozini (see also: J.G. Strijdomdam, Jozini Dam, Jozini reservoir, Jozini, lake)		27° 25' 00" S 31° 58' 00" E	122 m
Shore Nature Reserve, 8 km NNE Lake Bangazi (see also: Lake Bangazi, 8 km NNE)		27° 22' 30" S 32° 37' 30" E	
Shore Nature Reserve, NE, 9 km N Lake Bangazi (see also: Lake Bangazi, 9 km N)		27° 22' 00" S 32° 37' 00" E	
Sibaya, lake (see also: Lake Sibaya)		27° 20' 00" S 32° 41' 00" E	
Sodwana Bay, 2.5 km S Jesser Point (see also: Jesser Point, 2.5 km S, Sodwana Bay Estuary, Sordwana Bay, Sordwanabaai)		27° 33' 00" S 32° 40' 00" E	20 m
Sodwana Bay Estuary (see Sodwana Bay)		27° 33' 00" S 32° 40' 00" E	20 m
Somkele		28° 19' 00" S 32° 06' 00" E	110 m
Sordwana Bay (see Sodwana Bay)		27° 33' 00" S 32° 40' 00" E	20 m
Sordwanabaai (see Sodwana Bay)		27° 33' 00" S 32° 40' 00" E	20 m
St Lucia Estuary, 8 mi [= 13 km] N		28° 15' 59" S 32° 26' 00" E	
St. Lucia Estuary, 12 km N, 8 km E (see Mission Rocks Bats Cave)		28° 16' 00" S 32° 30' 00" E	0 m
St. Lucia Forest Station		28° 21' 00" S 32° 24' 00" E	100 m
St. Lucia Resort		28° 23' 00" S 32° 25' 30" E	15 m
St. Lucia village		28° 23' 00" S 32° 25' 00" E	
Perna Perna Resort		28° 22' 43" S 32° 24' 40" E	23 m
T. Bester Game Farm, 58 km N Mtubatuba (see also: Bester Game Farm, Mtubatuba, 58 km N)		27° 50' 00" S 32° 15' 00" E	200 m
Tembe Elephant Park, Ingwavuma (see also: Tembe National Park)		27° 02' 36" S 32° 25' 23" E	84 m
Tembe Elephant Park, east of HQ, pan		27° 03' 42" S 32° 27' 06" E	65 m
Tembe National Park (see Tembe Elephant Park), Ingwavuma		27° 02' 36" S 32° 25' 23" E	84 m
uMkhuze Game Reserve (see also: Mkhuze Game Reserve, Mkusi Game Reserve, Mkuze Game Reserve, Mkuzi Game Reserve, Umkusi Game Reserve)		27° 39' 00" S 32° 14' 30" E	62 m
Kububе Hide		27° 37' 30" S 32° 14' 13" E	
Kumasinga Pan (see Msinga Hide)		27° 47' 00" S 32° 12' 00" E	
Mantuma Camp, 15 km E Mkuzi village		27° 35' 46" S 32° 13' 03" E	103 m
Mshopi camping site		27° 38' 23" S 32° 09' 32" E	
Msinga Hide, 15 km E Mkuzi village (see also: Kumasinga Pan, Msinga Hole, Msinga pan)		27° 47' 00" S 32° 12' 00" E	
Msinga Hole (see Msinga Hide)		27° 47' 00" S 32° 12' 00" E	
Msinga pan (see Msinga Hide), 15 km E Mkuzi village		27° 47' 00" S 32° 12' 00" E	
Umkusi Game Reserve (see uMkhuze Game Reserve)		27° 39' 00" S 32° 14' 30" E	62 m
Umteriumi			
Umzinyathi district			
Dundee, 1 km E (see Lennox Farm)		28° 09' 20" S 30° 17' 57" E	1232 m
Farm 969 (Welgevonden) (see Farm Welgevonden 969)		29° 19' 55" S 30° 16' 39" E	
Farm Welgevonden 969 (see also: Farm 969 (Welgevonden), Welgevonden, Farm 969)		29° 19' 55" S 30° 16' 39" E	
Itala Game Reserve (see Ithala Game Reserve)		27° 33' 36" S 31° 12' 36" E	922 m
Itala National Park (see Ithala Game Reserve)		27° 33' 36" S 31° 12' 36" E	922 m
Itala Nature Reserve, 10 km NW Louwsburg		27° 33' 36" S 31° 12' 36" E	
Sandstone cave	ca.	27° 33' 36" S 30° 12' 36" E	

Ithala Game Reserve, 50 km SW Pongola (see also: Itala Game Reserve, Itala National Park, Ithala Game Reserve, Main Camp, Ithala Nature Reserve, Louwsburg, 10 km NW, Pongola, 50 km SW)		27° 33' 36" S 31° 12' 36" E	922 m
Craigadam (see Craigadam Farm)		27° 30' 17" S 31° 22' 19" E	
Craigadam Farm (see also: Craigadam)		27° 30' 17" S 31° 22' 19" E	
Doornkraal Camp Site (see Doornkraal campsite)		27° 30' 27" S 31° 12' 25" E	
Doornkraal campsite, Ngubhu river (see also: Doornkraal Camp Site, Farm Doornkraal)		27° 30' 27" S 31° 12' 25" E	
Farm Doornkraal (see Doornkraal campsite)		27° 30' 27" S 31° 12' 25" E	
Farm Doornpan		27° 34' 12" S 31° 14' 05" E	
Ithala Game Reserve, sandstone cave	ca.	27° 33' 36" S 31° 12' 36" E	
Nguhbu Picnic		27° 31' 00" S 31° 22' 00" E	
Wonder Mine (see also: Wondermine)		27° 28' 07" S 31° 15' 02" E	
Wondermine (see Wonder Mine)		27° 28' 07" S 31° 15' 02" E	
Ithala Game Reserve, Main Camp (see Ithala Game Reserve)		27° 32' 46" S 31° 18' 49" E	
Ithala Nature Reserve (see Ithala Game Reserve), 9 km NE Louwsburgh		27° 33' 36" S 31° 12' 36" E	922 m
Lennox Farm, 1 km E Dundee (see also: Dundee, 1 km E)		28° 09' 20" S 30° 17' 57" E	1232 m
Louwsburg, 10 km NW (see Ithala Game Reserve)		27° 33' 36" S 31° 12' 36" E	922 m
Ngubevu Mine, Msinga (see also: Nqubevu mine)		28° 44' 00" S 30° 36' 00" E	
Nqubevu mine (see Ngubevu Mine), Tugela		28° 44' 00" S 30° 36' 00" E	
Pongola, 50 km SW (see Ithala Game Reserve)		27° 33' 36" S 31° 12' 36" E	922 m
Welgevonden, Farm 969 (see Farm Welgevonden 969)		29° 19' 55" S 30° 16' 39" E	
Uthukela district			
Bergville, 45 km NW (see Royal Natal National Park)		28° 44' 00" S 28° 55' 00" E	1602 m
Doornhoek, Dannhauser		28° 29' 00" S 29° 25' 00" E	1357 m
Estcourt		29° 00' 00" S 29° 53' 00" E	
Farm 2369 (Wakefield) (ptn 13) (see Farm Wakefield 2369 (ptn 13))		29° 29' 13" S 29° 53' 53" E	
Farm Wakefield 2369 (ptn 13) (see also: Farm 2369 (Wakefield) (ptn 13), Wakefield, Farm 2369 (ptn 13))		29° 29' 13" S 29° 53' 53" E	
Ladysmith		28° 33' 14" S 29° 46' 58" E	
Maria Ratschitz Mission Church (see also: Ratzschitz Mission Church)		28° 13' 32" S 30° 01' 21" E	
Ratzschitz Mission Church (see Maria Ratschitz Mission Church)		28° 13' 32" S 30° 01' 21" E	
Mhlopeni Ranch		29° 01' 00" S 30° 25' 00" E	
Natal National Park (see Royal Natal National Park)		28° 44' 00" S 28° 55' 00" E	1602 m
Natalse Nasionale Park (see Royal Natal National Park)		28° 44' 00" S 28° 55' 00" E	1602 m
Rockcliff farm, Harrismith		28° 37' 00" S 29° 01' 00" E	
Royal Natal National Park, Khahlamba-Drakensberg Park, 45 km NW Bergville (see also: Bergville, 45 km NW, Natal National Park, Natalse Nasionale Park)		28° 44' 00" S 28° 55' 00" E	1602 m
Drakensburg, Royal Natal National Park		28° 41' 00" S 28° 56' 00" E	
Spioenkop Dam, Mabamnyama Staff House		28° 40' 40" S 29° 30' 35" E	1094 m
Spioenkop Nature Reserve		28° 42' 00" S 29° 15' 00" E	1094 m
Spionkop Lodge, 14 km N Winterton		28° 41' 42" S 29° 32' 08" E	1140 m
Van Reenen		28° 22' 00" S 29° 23' 00" E	1638 m
Wakefield, Farm 2369 (ptn 13) (see Farm Wakefield 2369 (ptn 13))		29° 29' 13" S 29° 53' 53" E	
Weenen Nature Reserve		28° 51' 20" S 29° 59' 55" E	
Winterton		28° 48' 00" S 29° 32' 00" E	966 m
uThungulu district			
Babanango, 10.5 km N, 14 km E (see Denny Dalton Mine)		28° 17' 00" S 31° 14' 00" E	770 m
Black & White Umfolozi River confluence, 13.5 km N, 21 km W		28° 14' 00" S 31° 46' 00" E	200 m
Black & White Umfolozi River confluence, 17 km N, 22 km W		28° 12' 00" S 31° 45' 00" E	250 m
Bonamanzi Game Reserve, 5 km S Hluhluwe Village (see also: Hluhluwe Village, 5 km S)		28° 06' 00" S 32° 18' 00" E	63 m
Lalapanzi Pan		28° 03' 25" S 32° 17' 42" E	
Denny Dalton Mine, 10.5 km N, 14 km E Babanango (see also: Babanango, 10.5 km N, 14 km E)		28° 17' 00" S 31° 14' 00" E	770 m

Dukuduku Forest (see Dukuduku State Forest), 6 km NNE Hlabisa		28° 23' 00" S 32° 19' 00" E	
Dukuduku Forest Reserve (see Dukuduku State Forest), 6 km NNE Hlabisa		28° 23' 00" S 32° 19' 00" E	
Dukuduku Forest Station (see Dukuduku State Forest), 6 km NNE Hlabisa		28° 23' 00" S 32° 19' 00" E	
Dukuduku Staatsbos (see Dukuduku State Forest), 6 km NNE Hlabisa		28° 23' 00" S 32° 19' 00" E	
Dukuduku State Forest, 6 km NNE Mtubatuba (see also: Dukuduku Forest, Dukuduku Forest Reserve, Dukuduku Forest Station, Dukuduku Staatsbos, Hlabisa, 6 km NNE, Mtubatuba, 6 km NNE)		28° 23' 00" S 32° 19' 00" E	
Empangeni, 14 km NE (see Enseleni Nature Reserve)		28° 41' 22" S 32° 00' 12" E	
Empangeni, 17 km N, 15 km W (see Ntambanana [farmstead])		28° 36' 13" S 31° 44' 32" E	250 m
Enseleni Nature Reserve, 14 km NE Empangeni (see also: Empangeni, 14 km NE)		28° 41' 22" S 32° 00' 12" E	
Entumeni Nature Reserve		28° 53' 03" S 31° 22' 15" E	
Farm Goedhoek (see Farm Goud Hoek), Babanango		28° 23' 00" S 31° 04' 00" E	
Farm Goud Hoek, Babanango (see also: Farm Goedhoek, Farm Goudhoek, Goedhoek, Farm, Goud Hoek, Farm, Goudhoek, Farm)		28° 16' 00" S 31° 00' 00" E	
Farm Goudhoek (see Farm Goud Hoek), Babanango		28° 23' 00" S 31° 04' 00" E	
Farm Vuma, Entumeni (see also: Vuma, Farm)		28° 50' 00" S 31° 25' 00" E	
Ferncliff [farmstead]		28° 32' 00" S 31° 13' 00" E	
Fort Yellond Farm (see Fort Yolland mission)		28° 50' 59" S 31° 13' 19" E	742 m
Fort Yolland Farm (see Fort Yolland mission), W of Eshowe		28° 50' 59" S 31° 13' 19" E	739 m
Fort Yolland mission, W of Eshowe (see also: Fort Yellond Farm, Fort Yolland Farm)		28° 50' 59" S 31° 13' 19" E	742 m
Goedhoek, Farm (see Farm Goud Hoek), Babanango		28° 23' 00" S 31° 04' 00" E	
Goud Hoek, Farm (see Farm Goud Hoek), Babanango		28° 23' 00" S 31° 04' 00" E	
Goudhoek, Farm (see Farm Goud Hoek), Babanango		28° 23' 00" S 31° 04' 00" E	
Hiabisa (see Hlabisa)		28° 08' 00" S 31° 52' 00" E	460 m
Hlabisa (see also: Hiabisa)		28° 08' 00" S 31° 52' 00" E	460 m
Hlabisa, 6 km NNE (see Dukuduku State Forest)		28° 23' 00" S 32° 19' 00" E	
Hluhluwe Game Reserve (see also: Hluhluwe Reserve, Hluhluwe Wildtuin)		28° 05' 00" S 32° 05' 00" E	
Godeni, E		28° 05' 00" S 32° 02' 00" E	450 m
Hluhluwe Research camp		28° 04' 00" S 32° 02' 00" E	
Mansia Valley (see Mansiya Valley)	ca.	28° 03' 00" S 32° 05' 00" E	
Mansiya Valley (see also: Mansia Valley)	ca.	28° 03' 00" S 32° 05' 00" E	
Hluhluwe Reserve (see Hluhluwe Game Reserve)		28° 05' 00" S 32° 05' 00" E	
Hluhluwe Village, 5 km S (see Bonamanzi Game Reserve)		28° 06' 00" S 32° 18' 00" E	63 m
Hluhluwe-Imfolozi Game Reserve		28° 05' 00" S 32° 05' 00" E	
eGodeni		28° 05' 00" S 32° 02' 01" E	
Mpofu Pan		28° 20' 24" S 31° 46' 12" E	
Hluhluwe-Imfolozi Park, HQ		28° 04' 08" S 32° 02' 02" E	
Isimangaliso Wetland Park	ca.	28° 12' 00" S 32° 30' 00" E	
Bat's Cave, Mission Rocks (see Mission Rocks Bats Cave), 12 km N, 8 km E St. Lucia Estuary		28° 16' 00" S 32° 30' 00" E	0 m
Charter's Creek, W shores Lake St. Lucia		28° 12' 00" S 32° 24' 50" E	20 m
Hells Gate [marine channel] (see also: Hells Gate Military Base)		28° 02' 35" S 32° 25' 45" E	39 m
Hells Gate Military Base (see Hells Gate [marine channel])		28° 02' 35" S 32° 25' 45" E	39 m
KwaSheleni, near Lake St. Lucia		28° 10' 44" S 32° 31' 15" E	40 m
Mission Rocks		28° 15' 36" S 32° 29' 48" E	4 m
Mission Rocks Bats Cave, 16 km N S. Lucia estuary (see also: Bat's Cave, Mission Rocks, St. Lucia Estuary, 12 km N, 8 km E, St. Lucia estuary, 16 km N)		28° 16' 00" S 32° 30' 00" E	0 m
Mission Rocks Outpost		28° 16' 02" S 32° 29' 30" E	
St. Lucia estuary, 16 km N (see Mission Rocks Bats Cave)		28° 16' 00" S 32° 30' 00" E	0 m
Kranskop, 32.5 km N, 12 km E (see Speedwell Mines)		28° 40' 00" S 30° 59' 00" E	950 m
Matubatuba		28° 25' 00" S 32° 10' 00" E	

Melmoth	28° 35' 00" S 31° 23' 00" E	
Mfolozi Game Reserve (see Umfolozi Game Reserve)	28° 20' 00" S 31° 50' 00" E	
Mooiplaas, SAPPI (see also: Stan Hope Mine)	28° 33' 30" S 31° 09' 55" E	864 m
Mooiplass Plantation, Melmoth area	28° 33' 30" S 31° 09' 55" E	864 m
Mtubatuba, 6 km NNE (see Dukuduku State Forest)	28° 23' 00" S 32° 19' 00" E	
Mtunzini	28° 57' 00" S 31° 46' 00" E	
Ngoye hills, Umgoye forest	28° 50' 00" S 31° 40' 00" E	
Ngutu (see Nqutu)	28° 12' 44" S 30° 40' 31" E	1336 m
Nkandla Forest Reserve	28° 43' 25" S 31° 07' 40" E	
Nqutu (see also: Ngutu)	28° 12' 44" S 30° 40' 31" E	1336 m
Ntambanana [farmstead], Mtonjaneni (see also: Empangeni, 17 km N, 15 km W)	28° 36' 13" S 31° 44' 32" E	250 m
Nyalazi Forest (see Nyalazi Staatsbos)	28° 09' 00" S 32° 23' 00" E	
Nyalazi Staatsbos (see also: Nyalazi Forest)	28° 09' 00" S 32° 23' 00" E	
Port Durnford	28° 54' 00" S 31° 49' 00" E	41 m
Port Durnford Forest Reserve	28° 53' 00" S 31° 51' 00" E	
Richards Bay (see also: Richardsbaai)	28° 46' 31" S 32° 03' 14" E	11 m
Richardsbaai (see Richards Bay)	28° 46' 31" S 32° 03' 14" E	11 m
Speedwell Mines, 32.5 km N, 12 km E Kranskop (see also: Kranskop, 32.5 km N, 12 km E)	28° 40' 00" S 30° 59' 00" E	950 m
Stan Hope Mine (see Mooiplaas, SAPPI)	28° 33' 30" S 31° 09' 55" E	864 m
Umfolosi Game Reserve (see Umfolozi Game Reserve)	28° 20' 00" S 31° 50' 00" E	
Umfolozi Game Reserve (see also: Mfolozi Game Reserve, Umfolosi Game Reserve , Umfolozi Nature Reserve, Umfolozi-Wildreservaat , Umfolozi-wildreserwe)	28° 20' 00" S 31° 50' 00" E	
Masimba Camp (see Masinda Camp), Corridor Reserve	28° 16' 37" S 31° 56' 41" E	
Masinda Camp (see also: Masimba Camp)	28° 16' 37" S 31° 56' 41" E	
Mpila Trails Store	28° 19' 00" S 31° 51' 00" E	
Msinyini pan	28° 22' 00" S 31° 52' 00" E	
Umfolozi Nature Reserve (see Umfolozi Game Reserve)	28° 20' 00" S 31° 50' 00" E	
Umfolozi River	28° 21' 00" S 31° 59' 00" E	
Umfolozi-Wildreservaat (see Umfolozi Game Reserve)	28° 20' 00" S 31° 50' 00" E	
Umfolozi-wildreserwe (see Umfolozi Game Reserve)	28° 20' 00" S 31° 50' 00" E	
Umlalazi Nature Reserve, Mtunzini	28° 57' 49" S 31° 46' 08" E	10 m
Vuma, Farm (see Farm Vuma), near Entumeni Nature Reserve	28° 53' 00" S 31° 23' 00" E	583 m
White Umfolosi River, Zululand	28° 19' 00" S 31° 50' 00" E	
Ziqhumene	28° 11' 00" S 31° 57' 00" E	
Verulam	29° 40' 18" S 31° 01' 12" E	
Zwolls Estate	29° 37' 26" S 31° 03' 07" E	
Wentworth	29° 55' 20" S 30° 59' 51" E	0 m
Zululand district		
Farm 409 SU (Ingwenya) (see Farm Ingwenya 409SU)	27° 20' 00" S 31° 57' 43" E	185 m
Farm 647 (Leeuwspoor) (see Farm Leeuwspoor 647), S of Gollela; on Pongola river, Pongola road	27° 24' 00" S 31° 54' 00" E	
Farm Groedehoop, 11 km S, 11 km E Vryheid (see also: Groedehoop, Farm, Vryheid, 11 km S, 11 km E)	27° 52' 00" S 30° 55' 00" E	1050 m
Farm Ingwenya 409SU (see also: Farm 409 SU (Ingwenya), Ingwenya, Farm 409SU)	27° 20' 00" S 31° 57' 43" E	185 m
Farm Leeuwspoor 647, S of Gollela; on Pongola river, Pongola road (see also: Farm 647 (Leeuwspoor), Leeuwspoor, Farm 647)	27° 24' 00" S 31° 54' 00" E	
Farm Vergeval (see also: Vergeval, Farm)	27° 29' 00" S 31° 42' 00" E	360 m
Groedehoop, Farm (see Farm Groedehoop)	27° 52' 00" S 30° 55' 00" E	1050 m
Ingwenya, Farm 409SU (see Farm Ingwenya 409SU)	27° 20' 00" S 31° 57' 43" E	185 m
Leeuwspoor, Farm 647 (see Farm Leeuwspoor 647), S of Gollela; on Pongola river, Pongola road	27° 24' 00" S 31° 54' 00" E	
Louwsburg, 9 km NE	27° 31' 00" S 31° 22' 00" E	

Ngome Forest Reserve, 70 km NE Ngome (see also: Ngome, 70 km NE , Ngome-Bosreserwe, Ngomi Forest Reserve, Vrijheid, 70 km NE)	27° 52' 00" S 31° 24' 45" E	
Ngome Police Station	27° 50' 00" S 31° 25' 00" E	
Ngome, 70 km NE (see Ngome Forest Reserve)	27° 52' 00" S 31° 24' 45" E	
Ngome-Bosreserwe (see Ngome Forest Reserve), 70 km NE Ngome	27° 52' 00" S 31° 24' 45" E	
Ngomi Forest Reserve (see Ngome Forest Reserve), 70 km NE Ngome	27° 52' 00" S 31° 24' 45" E	
Nongoma	27° 54' 00" S 31° 39' 00" E	865 m
Pongola, 9 Jan Kemlaan	27° 23' 00" S 31° 37' 00" E	284 m
Vergeval, Farm (see Farm Vergeval)	27° 29' 00" S 31° 42' 00" E	360 m
Vrijheid, 70 km NE (see Ngome Forest Reserve)	27° 52' 00" S 31° 24' 45" E	
Vryheid Hill Nature Reserve	27° 45' 18" S 30° 47' 15" E	1264 m
Vryheid, 11 km S, 11 km E (see Farm Groedehoop)	27° 52' 00" S 30° 55' 00" E	1050 m
l'extérieur de l'Áfrique méridionale		
Lamberts Bay, 10 mi [=16 km] inland	32° 07' 00" S 18° 27' 00" E	
Langebaan Road (see Langebaanweg)	32° 58' 00" S 18° 09' 00" E	56 m
Langebaanweg (see also: Chemfos mine, Langebaan Road)	32° 58' 00" S 18° 09' 00" E	56 m
Limpopo province		
Capricorn district		
Bandolierskop, 5 km N (see Blydschap), Pietersburg district	23° 16' 00" S 29° 46' 00" E	
Berg Plants Farm (see Farm Berg Plants)	23° 02' 54" S 29° 26' 48" E	
Blijdschap Private Nature Reserve (see Blydschap), Pietersburg district, 5 km N Bandolierskop	23° 16' 00" S 29° 46' 00" E	
Blouberg Private Nature Reserve (see Farm Urk 10), 13 km W Vivo, Blouberg Krans	23° 02' 00" S 29° 08' 00" E	854 m
Blydschap, Pietersburg district, 5 km N Bandolierskop (see also: Bandolierskop, 5 km N, Blijdschap Private Nature Reserve)	23° 16' 00" S 29° 46' 00" E	
Brombeek, Farm 271/2 (see Farm Brombeek 271/2)	22° 32' 00" S 29° 27' 00" E	
Buzzard Mountain Retreat, 16 km NW Louis Trichardt (see also: Buzzard Mountain Sanctuary, Louis Trichardt, 16 km NW)	23° 02' 00" S 29° 46' 00" E	
Black Eagle Lodge	23° 00' 39" S 29° 45' 49" E	1350 m
Crowned Eagle Lodge, below	23° 00' 40" S 29° 45' 48" E	1374 m
Buzzard Mountain Sanctuary (see Buzzard Mountain Retreat), 16 km NW Louis Trichardt, Soutpansberg	23° 02' 00" S 29° 46' 00" E	
Dirleton, Farm 276 (see Farm Dirleton 276)	22° 32' 00" S 29° 21' 00" E	
Eagles Nest Farm, Soutpansberg	22° 58' 26" S 29° 55' 59" E	1277 m
Elim, Gazankulu (see also: Elim Hospital)	23° 09' 00" S 30° 04' 00" E	784 m
Elim Hospital (see Elim), Gazankulu	23° 09' 00" S 30° 04' 00" E	784 m
Evergreen, Farm (see Farm Evergreen), Alldays	22° 41' 00" S 29° 09' 00" E	
Farm 10, Urk (see Farm Urk 10), 13 km W Vivo	23° 02' 00" S 29° 08' 00" E	854 m
Farm 245LS (Sarum) (see Farm Sarum 245LS), 16 km NW Louis Trichardt; Buzzard Mountain Retreat	23° 02' 00" S 29° 46' 00" E	
Farm 271/2 (Brombeek) (see Farm Brombeek 271/2)	22° 32' 00" S 29° 27' 00" E	
Farm 276 (Dirleton) (see Farm Dirleton 276)	22° 32' 00" S 29° 21' 00" E	
Farm 794 (Zwarthoek) (see Farm Zwarthoek 794), Mansfield	22° 58' 00" S 29° 52' 00" E	
Farm Berg Plants, W Soutpansberg (see also: Berg Plants Farm)	23° 02' 54" S 29° 26' 48" E	
Farm Bordeaux, 5 mi E Waterpoort (see also: Bordeaux, Farm, Waterpoort, 5 mi [=8 km] E)	22° 41' 00" S 29° 38' 00" E	
Farm Brombeek 271/2 (see also: Brombeek, Farm 271/2, Farm 271/2 (Brombeek))	22° 32' 00" S 29° 27' 00" E	
Farm Dirleton 276 (see also: Dirleton, Farm 276, Farm 276 (Dirleton))	22° 32' 00" S 29° 21' 00" E	
Farm Dirleton 276 and Farm Brombeek 271/2, between, Vaalwater; Waterberg	22° 32' 00" S 29° 25' 00" E	
Farm Evergreen, Alldays (see also: Evergreen, Farm)	22° 41' 00" S 29° 09' 00" E	
Farm Kudus Vlei, 60 km W Louis Trichard (see also: Kudus Vlei Farm, Louis Trichardt, 60 km W)	23° 03' 14" S 29° 29' 14" E	956 m

Farm Rochdale, 5 mi E Waterpoort (see also: Rochdale, Farm, Waterpoort, 5 mi [=8 km] E)		22° 54' 00" S 29° 41' 00" E	
Farm Sarum 245LS, 16 km NW Louis Trichardt; Buzzard Mountain Retreat (see also: Farm 245LS (Sarum), Sarum, Farm 245LS)		23° 02' 00" S 29° 46' 00" E	
Farm Urk 10, 13 km W Vivo (see also: Blouberg Private Nature Reserve, Farm 10, Urk, Urk, Farm 10, Vivo, 13 km W)		23° 02' 00" S 29° 08' 00" E	854 m
Farm Welgevonden, 20 km on road from Louis Trichardt to Thohoyandou	ca.	23° 04' 44" S 30° 05' 33" E	
Farm Zwarthoek 794, Mansfield (see also: Farm 794 (Zwarthoek), Zwarthoek, Farm 794)		22° 58' 00" S 29° 52' 00" E	
Kabbefontein (see Krabbefontein), Soutpansberg	ca.	23° 03' 00" S 29° 54' 00" E	
Krabbefontein, Soutpansberg (see also: Kabbefontein)	ca.	23° 03' 00" S 29° 54' 00" E	
Kudus Vlei Farm (see Farm Kudus Vlei)		23° 03' 14" S 29° 29' 14" E	956 m
Langjan Provincial Nature Reserve, Vivo, 11.2 km N (see also: Vivo, 11.2 km N)		22° 49' 48" S 29° 12' 00" E	
Louis Trichardt		23° 02' 38" S 29° 54' 12" E	
Louis Trichardt Road, Polokwane [=Pietersburg], 40 - 46 km N (see also: Pietersburg, 40 - 46 km N, Polokwane, 40 - 46 km N)		23° 03' 00" S 29° 54' 00" E	954 m
Louis Trichardt, 16 km NW (see Buzzard Mountain Retreat)		23° 02' 00" S 29° 46' 00" E	
Louis Trichardt, 60 km W (see Farm Kudus Vlei)		23° 03' 14" S 29° 29' 14" E	956 m
Pietersburg (see Polokwane)		23° 54' 00" S 29° 27' 00" E	1281 m
Pietersburg, 40 - 46 km N (see Louis Trichardt Road)		23° 03' 00" S 29° 54' 00" E	954 m
Pietersburg, 40 km N (see Polokwane, 40 km N), on Louis Trichard Road		23° 36' 00" S 29° 40' 00" E	
Pietersburg, 5 km S (see Soekmekaar)		23° 29' 00" S 29° 56' 00" E	1193 m
Pietersburg, farm near	ca.	23° 54' 00" S 29° 27' 00" E	
Polokwane (see also: Pietersburg)		23° 54' 00" S 29° 27' 00" E	1281 m
Polokwane, 40 - 46 km N (see Louis Trichardt Road)		23° 03' 00" S 29° 54' 00" E	954 m
Polokwane, 40 km N, on Louis Trichard Road (see also: Pietersburg, 40 km N)		23° 36' 00" S 29° 40' 00" E	
Rochdale, Farm (see Farm Rochdale), 5 mi E Waterpoort		22° 54' 00" S 29° 41' 00" E	
Rudyard Cottage, Buzzard Mountain Retreat		23° 01' 35" S 29° 46' 01" E	987 m
Sarum, Farm 245LS (see Farm Sarum 245LS), 16 km NW Louis Trichardt; Buzzard Mountain Retreat		23° 02' 00" S 29° 46' 00" E	
Soekmekaar, 5 km S Pietersburg (see also: Pietersburg, 5 km S, Zoekmakaar, Zoekmekaar)		23° 29' 00" S 29° 56' 00" E	1193 m
Urk, Farm 10 (see Farm Urk 10), 13 km W Vivo		23° 02' 00" S 29° 08' 00" E	854 m
Vivo, 11.2 km N (see Langjan Provincial Nature Reserve)		22° 49' 48" S 29° 12' 00" E	
Vivo, 13 km W (see Farm Urk 10)		23° 02' 00" S 29° 08' 00" E	854 m
Waterpoort, 5 mi [=8 km] E (see Farm Rochdale)		22° 54' 00" S 29° 41' 00" E	
Zoekmakaar (see Soekmekaar), 5 km S Pietersburg		23° 29' 00" S 29° 56' 00" E	1193 m
Zoekmekaar (see Soekmekaar), 5 km S Pietersburg		23° 29' 00" S 29° 56' 00" E	1193 m
Zwarthoek, Farm 794 (see Farm Zwarthoek 794), Mansfield		22° 58' 00" S 29° 52' 00" E	
Farm 141 MS (River) (see Farm River 141 MS), Soutpansberg		22° 11' 57" S 29° 52' 43" E	
Farm 202 (Liverpool) (see Farm Liverpool 202)			
Farm Donkerpoort 448, 24 km E Thabazimbi, Rooiberg		24° 34' 48" S 27° 39' 36" E	
Farm Liverpool 202 (see also: Farm 202 (Liverpool), Liverpool, Farm 202)			
Farm River 141 MS, Soutpansberg (see also: Farm 141 MS (River), River, Farm 141 MS)		22° 11' 57" S 29° 52' 43" E	
Greater Sekhujhune district (see Sekhukhune district)			
Liverpool, Farm 202 (see Farm Liverpool 202)			
Magoeskloof, Tzaneen		23° 50' 00" S 30° 10' 00" E	
Mopani district			
Drakensig, 5 Lark Cresent		24° 26' 00" S 31° 01' 00" E	574 m
Farm 10 (Sheila) (see Farm Sheila 10), Leydsdorp		24° 03' 00" S 31° 09' 00" E	

Farm 37MS (Greefswald) (see Farm Greefswald 37MS), 67 km W Messina; Shashi-Limpopo confluence		22° 12' 00" S 29° 23' 00" E	
Farm 9 (Rhoda) (see Farm Rhoda 9), 13 km S Phalaborwa		24° 03' 00" S 31° 06' 00" E	
Farm Greefswald 37MS, 67 km W Messina; Shashi-Limpopo confluence (see also: Farm 37MS (Greefswald), Greefswald [=Mapungubwe], Greefswald, Farm 37MS, Mapungubwe, Messina, 67 km W, Messina, 75 km W)		22° 12' 00" S 29° 23' 00" E	
Farm Rhoda 9, 13 km S Phalaborwa (see also: Farm 9 (Rhoda), Rhoda, Farm 9)		24° 03' 00" S 31° 06' 00" E	
Farm Sheila 10, Leydsdorp (see also: Farm 10 (Sheila), Sheila, Farm 10)		24° 03' 00" S 31° 09' 00" E	
Gravelotte Mine, Phalaborwa / Letaba		23° 57' 00" S 30° 37' 00" E	
Greefswald [=Mapungubwe] (see Farm Greefswald 37MS), 75 km W Messina		22° 12' 00" S 29° 23' 00" E	
Greefswald, Farm 37MS (see Farm Greefswald 37MS), 67 km W Messina; Shashi-Limpopo confluence		22° 12' 00" S 29° 23' 00" E	
Griffin mine, Phalaborwa-Leydsdorp		23° 59' 00" S 30° 31' 00" E	
Hans Merensky Nature Reserve, Giyani (see also: Hans Merensky Naturreservaat, Letsitele, 30 km NE)		23° 41' 00" S 30° 41' 00" E	
Hans Merensky Naturreservaat (see Hans Merensky Nature Reserve), Giyani		23° 41' 00" S 30° 41' 00" E	
Hautbosdorp, 2 mi [=3.2 km] E (see Houtbosdorp, 2 mi [=3.2 km] E)	ca.	23° 48' 55" S 29° 53' 59" E	
Houtboschdorp, 2 mi [=3.2 km] E (see Houtbosdorp, 2 mi [=3.2 km] E)	ca.	23° 48' 55" S 29° 53' 59" E	
Houtbosdorp, 2 mi [=3.2 km] E (see also: Hautbosdorp, 2 mi [=3.2 km] E, Houtboschdorp, 2 mi [=3.2 km] E)	ca.	23° 48' 55" S 29° 53' 59" E	
Klein Letaba, 14 km W	ca.	23° 08' 00" S 30° 25' 00" E	
Klein-Letaba		23° 08' 00" S 30° 27' 00" E	670 m
Kruger National Park (Limpopo province)		22° 26' 00" S 31° 11' 00" E	
Byaxixi, near Matiyotshwuka		23° 22' 22" S 31° 10' 03" E	
Dzundwini, E Punda Milia (see also: Dzunweni Hill, Dzunwini)		22° 46' 00" S 31° 10' 00" E	
Dzunweni Hill (see Dzundwini), E Punda Milia		22° 46' 00" S 31° 10' 00" E	
Dzunwini (see Dzundwini), E Punda Milia		22° 46' 00" S 31° 10' 00" E	
Erfplaas windmill, 12 km E Phalaborwa gate		23° 57' 00" S 31° 07' 00" E	
Farm Malta, 19 km W Letaba (see also: Letaba, 19 km W)		24° 10' 00" S 30° 14' 00" E	
Hlanganini dam (see Nhlanganini dam), 11 km SW Letaba		23° 55' 18" S 31° 31' 05" E	
Klein Letaba (river)	ca.	23° 38' 53" S 31° 08' 42" E	
Lebombo Ironwood forest, 2 km E Letaba Olifants confluence (see also: Letaba Olifants confluence, 2 km E)		23° 59' 00" S 31° 50' 00" E	
Letaba (see also: Letaba Camp, Letaba Rest Camp, Letaba-rustkamp)		23° 51' 16" S 31° 34' 17" E	
Letaba Camp (see Letaba)		23° 51' 16" S 31° 34' 17" E	
Letaba Camp, 1 km SE (see Letaba Rest Camp, 1 km SE)		23° 51' 43" S 31° 34' 47" E	
Letaba highwater bridge, 4 km NNE Letaba Rest Camp (see also: Letaba Rest Camp, 4 km NNE)		23° 48' 40" S 31° 34' 56" E	
Letaba Olifants confluence, 2 km E (see Lebombo Ironwood forest)		23° 59' 00" S 31° 50' 00" E	
Letaba Ranch, 40 km N Phalaborwa, Sabi river (see also: Phalaborwa, 40 km N)		23° 36' 44" S 31° 05' 20" E	
Letaba Rest Camp (see Letaba)		23° 51' 16" S 31° 34' 17" E	
Letaba Rest Camp, 1 km SE (see also: Letaba Camp, 1 km SE)		23° 51' 43" S 31° 34' 47" E	
Letaba Rest Camp, 4 km NNE (see Letaba highwater bridge)		23° 48' 40" S 31° 34' 56" E	
Letaba Rest Camp, 8 km SE (see also: Letaba, 8 km SE)		23° 54' 34" S 31° 37' 37" E	
Letaba, 11 km SW (see Nhlanganini dam)		23° 55' 18" S 31° 31' 05" E	
Letaba, 19 km W (see Farm Malta)		24° 10' 00" S 30° 14' 00" E	
Letaba, 5 km E	ca.	23° 51' 13" S 31° 38' 04" E	
Letaba, 8 km SE (see Letaba Rest Camp, 8 km SE)		23° 54' 34" S 31° 37' 37" E	
Letaba-rustkamp (see Letaba)		23° 51' 16" S 31° 34' 17" E	

Longtoon dam	22° 51' 00" S 31° 23' 00" E	
Maditobe Dam, 2.5 km NE Punda Maria, Mahogany Drive (see also: Maditobe Witsand Dam, Manditobe dam, Punda Maria, 2.5 km NE, Witsand Dam)	22° 41' 00" S 31° 02' 00" E	
Maditobe Pan, 3 km NW Punda Maria (see also: Maditobepan, Punda Maria, 3 km NW)	22° 41' 00" S 31° 02' 00" E	
Maditobe Witsand Dam (see Maditobe Dam), 2.5 km NE Punda Maria	22° 41' 00" S 31° 02' 00" E	
Maditobepan (see Maditobe Pan), 3 km NW Punda Maria	22° 41' 00" S 31° 02' 00" E	
Magamba windmill, 18 km SE Punda Maria (see also: Punda Maria, 18 km SE)	22° 25' 00" S 31° 11' 30" E	
Mahembane, 7 km N Punda Maria (see also: Punda Maria, 7 km N)	22° 39' 00" S 31° 02' 00" E	
Mahogany Drive, 2 km N Punda Milia (see also: Punda Milia, 2 km N)	22° 40' 36" S 31° 01' 07" E	
Makalali	23° 59' 00" S 31° 50' 00" E	
Malensons Shingwidzi Game Reserve (see Shingwidzi Game Reserve)	23° 11' 00" S 31° 14' 00" E	
Malitube Dam, ca. 2 km N Punda Maria	22° 40' 39" S 31° 02' 12" E	
Manditobe dam (see Maditobe Dam), Punda Maria, Mahogany Drive	22° 41' 00" S 31° 02' 00" E	
Matitobe dam		
Matukwala Dam, 5 km NW Punda Milia (see also: Matukwaladam, Punda Milia, 5 km NW)	22° 40' 56" S 30° 57' 46" E	
Matukwaladam (see Matukwala Dam), 5 km NW Punda Milia	22° 40' 56" S 30° 57' 46" E	
Matukwale Dam, 5 km NW Punda Maria	22° 40' 41" S 30° 58' 10" E	
Matupa Cave, Pretoruskop area	24° 10' 00" S 31° 16' 00" E	
Mbangari Crevice, Timbavati River	24° 14' 15" S 31° 37' 51" E	
Nhlanganindam (see Nhlanganini dam), 11 km SW Letaba	23° 55' 18" S 31° 31' 05" E	
Nhlanganini dam, 11 km SW Letaba (see also: Hlanganini dam, Letaba, 11 km SW, Nhlanganindam)	23° 55' 18" S 31° 31' 05" E	
N'Wambiya Pan	22° 40' 40" S 31° 22' 10" E	
N'Wambu Windmill	23° 22' 10" S 31° 19' 08" E	
Olifants	24° 00' 20" S 31° 44' 26" E	
Olifants, 7 km W	24° 00' 17" S 31° 40' 01" E	
Pafuri area	22° 25' 30" S 31° 12' 30" E	
Anthrax camp, on Levuvhu river, 3 km W Levuvhu bridge (see also: Levuvhu Bridge, 3 km W)	22° 25' 30" S 31° 12' 30" E	
Anthrax Camp, 2 mi W (see North Cave)	22° 26' 00" S 31° 11' 00" E	
Baobab Hill, 200 m S, turn off to Machayi Pan	22° 29' 41" S 31° 12' 25" E	
Bobomene Research Camp (see also: Bobomeni Research Camp)	22° 25' 18" S 31° 12' 49" E	
Bobomeni Research Camp (see Bobomene Research Camp)	22° 25' 18" S 31° 12' 49" E	
Culling camp, on Levuvhu River	22° 25' 40" S 31° 15' 15" E	
Fig forest, Left-hand bank		
Fig Tree Camp, Levuvhu River (see also: Fig Tree Forest, Figtree camp, Figtree Forest, Figtree Forest, 4.8 km downstream)	22° 25' 50" S 31° 11' 50" E	
Fig Tree Forest (see Fig Tree Camp), Levuvhu River	22° 25' 50" S 31° 11' 50" E	
Figtree camp (see Fig Tree Camp), on Levuvhu River	22° 25' 50" S 31° 11' 50" E	
Figtree Forest (see Fig Tree Camp), 4.8 km downstram bridge, left hand bank	22° 25' 50" S 31° 11' 50" E	
Figtree Forest, 4.8 km downstream (see Fig Tree Camp)	22° 25' 50" S 31° 11' 50" E	
Gwalali	22° 24' 00" S 31° 18' 00" E	219 m
Gwalali Army camp, Limpopo-Levuvhu river confluence	22° 24' 00" S 31° 17' 00" E	
Kwalala Police Post	22° 25' 14" S 31° 17' 55" E	
Lanner Gorge cave, on Levuvhu River	23° 07' 00" S 30° 22' 00" E	
Levuhu Hippo pool (see Luvuvhu hippo pool), 2 km NW Simuwana ranger's post, 4 - 5 km W of bridge	22° 25' 51" S 31° 10' 51" E	
Levuvhu	22° 25' 00" S 31° 10' 00" E	
Levuvhu Bridge	22° 25' 00" S 31° 11' 00" E	
Levuvhu Bridge, 3 km W (see Anthrax camp)	22° 25' 30" S 31° 12' 30" E	

Levuvhu Hippopool (see Luvuvhu hippo pool), 2 km NW Simuwana Rangers Post, 4 km W Wau West-bridge		22° 25' 51" S 31° 10' 51" E	
Levuvhu River		22° 39' 36" S 30° 52' 48" E	
Levuvhu River, opposite Shilawee stream		22° 26' 00" S 31° 11' 00" E	
Limpopo-Levuvhu Rivers confluence		22° 24' 36" S 31° 10' 48" E	
Luvuvhu hippo pool, 2 km NW Simuwane Rangers Post, Wau West-bridge; 5 km W of bridge (see also: Levuhu Hippo pool, Levuvhu Hippopool, Simuwana ranger's post, 2 km NW , Wau West Bridge, 4 - 5 km W)		22° 25' 51" S 31° 10' 51" E	
Machindzweni		22° 21' 24" S 31° 11' 28" E	
Manxeba waterhole (see Manxeba windmill)		22° 24' 00" S 31° 14' 00" E	
Manxeba windmill (see also: Manxeba waterhole, Maxeba windmill)		22° 24' 00" S 31° 14' 00" E	
Mashikiri windmill		22° 35' 00" S 31° 11' 00" E	
Matshitshindzudzi		22° 27' 16" S 31° 10' 29" E	
Maxeba windmill (see Manxeba windmill)		22° 24' 00" S 31° 14' 00" E	
Mockford Garden (see also: Mockford's Garden)		22° 26' 00" S 31° 18' 00" E	
WNLA HQ	ca.	22° 25' 00" S 31° 18' 00" E	
Mockford's Garden (see Mockford Garden)		22° 26' 00" S 31° 18' 00" E	
New Figtree camp		22° 25' 00" S 31° 11' 00" E	
New Figtree forest		22° 25' 00" S 31° 18' 00" E	
North Cave, near Luvuvhu river, ca. 2 km W Anthrax Camp (see also: Anthrax Camp, 2 mi W)		22° 26' 00" S 31° 11' 00" E	
Nyala and Main Roads junction		22° 25' 00" S 31° 18' 00" E	
Old Culling camp		22° 25' 00" S 31° 15' 00" E	
Old Fig Tree Forest (see also: Old Figtree forest)		22° 25' 00" S 31° 11' 00" E	
Old Figtree forest (see Old Fig Tree Forest)		22° 25' 00" S 31° 11' 00" E	
Old Picnic Site, Luvuvhu River		22° 25' 18" S 31° 12' 49" E	
Pafuri		22° 24' 36" S 31° 06' 36" E	
Pafuri, Bridge		22° 25' 00" S 31° 11' 00" E	
Pafuri, upstream site		22° 25' 00" S 31° 11' 00" E	
Picnic site		22° 25' 00" S 31° 15' 00" E	
Research camp		22° 25' 00" S 31° 18' 00" E	
Simuwana ranger's post, 2 km NW (see Luvuvhu hippo pool)		22° 25' 51" S 31° 10' 51" E	
Vendabind, on Levuvhu river			
W.N.L.A., Garden; near Luvuvhu and Limpopo confluence (pumphouse) (see also: WNLA Garden (Crooks Corner))		22° 24' 10" S 31° 15' 12" E	
Wau West Bridge, 4 - 5 km W (see Luvuvhu hippo pool)		22° 25' 51" S 31° 10' 51" E	
WNLA Garden (Crooks Corner) (see W.N.L.A.)		22° 24' 10" S 31° 15' 12" E	
Phalaborwa Staff Village		23° 56' 18" S 31° 09' 44" E	
Phalaborwa, 40 km N (see Letaba Ranch)		23° 36' 44" S 31° 05' 20" E	
Punda Malia (see Punda Maria)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maliya (see Punda Maria)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria (see also: Punda Malia, Punda Maliya, Punda Maria Camp, Punda Maria Rest Camp, Punda Maria-ruskamp)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria Camp (see Punda Maria)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria camp, 2 km N		22° 41' 00" S 31° 02' 00" E	
Punda Maria Rest Camp (see Punda Maria)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria Shop		22° 44' 15" S 31° 00' 32" E	
Punda Maria, 15 km E		22° 41' 00" S 31° 02' 00" E	
Punda Maria, 18 km SE (see Magamba windmill)		22° 25' 00" S 31° 11' 30" E	
Punda Maria, 2.5 km NE (see Maditobe Dam), Mahogany Drive		22° 41' 00" S 31° 02' 00" E	
Punda Maria, 3 km NW (see Maditobe Pan)		22° 41' 00" S 31° 02' 00" E	
Punda Maria, 5 km NW (see Shashanga windmill)		22° 39' 00" S 30° 59' 00" E	
Punda Maria, 7 km N (see Mahembane)		22° 39' 00" S 31° 02' 00" E	
Punda Maria-ruskamp (see Punda Maria)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Milia, near Punda Maria (see also: Punda Milia Camp, Punda Milia Police post, Punda Milia, pumphouse)		22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia Camp (see Punda Milia)		22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia Police post (see Punda Milia)		22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia, 16 km NNE (see Tshalungwa Fountain)		22° 32' 56" S 31° 04' 22" E	
Punda Milia, 2 km N (see Mahogany Drive)		22° 40' 36" S 31° 01' 07" E	
Punda Milia, 5 km NW (see Matukwala Dam)		22° 40' 56" S 30° 57' 46" E	

Punda Milia, pumphouse (see Punda Milia)		22° 41' 51" S 31° 01' 12" E	580 m
Shalungwafontein (see Tshalungwa Fountain), 16 km NNE Punda Milia		22° 32' 56" S 31° 04' 22" E	
Shashanga windmill, 5 km NW Punda Maria (see also: Punda Maria, 5 km NW)		22° 39' 00" S 30° 59' 00" E	
Shingomeni Out Post, Vlakteplaas area (see also: Xingomeni)		22° 53' 45" S 31° 24' 19" E	
Shingwedzi (see Shingwidzi)		23° 06' 32" S 31° 26' 10" E	
Shingwedzi camp (see Shingwidzi)		23° 06' 32" S 31° 26' 10" E	
Shingwedzi Rest Camp (see Shingwidzi)		23° 06' 32" S 31° 26' 10" E	
Shingwedzi Ruskamp (see Shingwidzi)		23° 06' 32" S 31° 26' 10" E	
Shingwidzi (see also: Shingwedzi, Shingwedzi camp, Shingwedzi Rest Camp, Shingwedzi Ruskamp, Xingwedzi Rest Camp)		23° 06' 32" S 31° 26' 10" E	
Shingwidzi Game Reserve (see also: Malensons Shingwidzi Game Reserve)		23° 11' 00" S 31° 14' 00" E	
Shirhombe Pan (see Xirhombe Pan)		22° 42' 47" S 31° 22' 51" E	
Shirombe pan		22° 43' 00" S 31° 23' 00" E	
South Cave, 5 km E Metsi Metsi Windmill, on N'Waswitsontso	ca.	24° 47' 29" S 31° 56' 33" E	
Tshalungwa Fountain, 16 km NNE Punda Maria (see also: Punda Milia, 16 km NNE, Shalungwafontein, Tshalungwafontein)		22° 32' 56" S 31° 04' 22" E	
Tshalungwafontein (see Tshalungwa Fountain), 16 km NNE Punda Milia		22° 32' 56" S 31° 04' 22" E	
Witsand Dam (see Maditobe Dam), Mahogany Drive		22° 41' 00" S 31° 02' 00" E	
Xingomeni (see Shingomeni Out Post)		22° 53' 45" S 31° 24' 19" E	
Xingwedzi Rest Camp (see Shingwidzi)		23° 06' 32" S 31° 26' 10" E	
Xirhombe Pan (see also: Shirhombe Pan)		22° 42' 47" S 31° 22' 51" E	
Xitangeni Windmill, Vlakteplaas section		22° 49' 38" S 31° 14' 25" E	
Letsitele, 30 km NE (see Hans Merensky Nature Reserve)		23° 41' 00" S 30° 41' 00" E	
Louis Trichardt, 5 km E	ca.	23° 02' 20" S 29° 57' 43" E	
Mahagala		22° 45' 36" S 30° 51' 28" E	
Mapungubwe (see Farm Greefswald 37MS), 75 km W Messina		22° 12' 00" S 29° 23' 00" E	
Messina, 67 km W (see Farm Greefswald 37MS)		22° 12' 00" S 29° 23' 00" E	
Messina, 75 km W (see Farm Greefswald 37MS)		22° 12' 00" S 29° 23' 00" E	
Mopane (see also: Mopani)		22° 36' 00" S 29° 51' 00" E	721 m
Mopani (see Mopane)		22° 36' 00" S 29° 51' 00" E	721 m
Mutale River		22° 27' 00" S 31° 05' 00" E	
Nyellele River, Soutpansberg		22° 55' 00" S 30° 22' 00" E	
Phalaborwa, 12 km E		23° 57' 00" S 31° 07' 00" E	
Phalaborwa, 13 km S		24° 03' 00" S 31° 06' 00" E	
Phalaborwa, 20 km S	ca.	24° 06' 55" S 31° 04' 57" E	
Rhoda, Farm 9 (see Farm Rhoda 9), 13 km S Phalaborwa		24° 03' 00" S 31° 06' 00" E	
Sheila, Farm 10 (see Farm Sheila 10), Leydsdorp		24° 03' 00" S 31° 09' 00" E	
Sibasa		22° 57' 00" S 30° 28' 00" E	748 m
Tarkastad, 13 km S		24° 03' 00" S 31° 06' 00" E	
Trichardstal (see Trichardtsdal)		24° 10' 00" S 30° 24' 00" E	638 m
Trichardtsdal (see also: Trichardstal)		24° 10' 00" S 30° 24' 00" E	638 m
River, Farm 141 MS (see Farm River 141 MS), Soutpansberg		22° 11' 57" S 29° 52' 43" E	
Sekhukhune district (see also: Greater Sekhujhune district)			
Birthday Goldmine (see Tzaneen), Tzaneen		23° 50' 00" S 30° 10' 00" E	742 m
Cyprus, Farm 68 (see Farm Cyprus 68), 13 km SW Ofcolaco		24° 11' 00" S 30° 17' 00" E	
De Hoek Forest Station (see De Hoek Staatsbos), Tzaneen, 15 km W		23° 49' 37" S 30° 02' 53" E	4500 ft
De Hoek Staatsbos, Tzaneen, 15 km W (see also: De Hoek Forest Station, De Hoekbosreservaat, Letaba, 15 km W, Tzaneen, 15 km W)		23° 49' 37" S 30° 02' 53" E	4500 ft
De Hoekbosreservaat (see De Hoek Staatsbos), Tzaneen, 15 km W		23° 49' 37" S 30° 02' 53" E	4500 ft
Duivelskloof (see Duiwelskloof)		23° 42' 00" S 30° 08' 00" E	
Duiwelskloof (see also: Duivelskloof, Duwelskloof)		23° 42' 00" S 30° 08' 00" E	
Duiwelskloof, 8 km E (see Farm Naerina)		23° 42' 00" S 30° 16' 00" E	

Duiwelskloof, Farm 376 (see Farm Duiwelskloof 376), Tzaneen	23° 42' 00" S 30° 08' 00" E	
Duwelskloof (see Duiwelskloof)	23° 42' 00" S 30° 08' 00" E	
Farm 223KT (Perkeo) (see Farm Perkeo 223KT)	24° 28' 00" S 30° 36' 00" E	
Farm 35KT (Haffenden Heights) (see Farm Haffenden Heights 35KT)	24° 07' 00" S 30° 10' 00" E	
Farm 376 (Duiwelskloof) (see Farm Duiwelskloof 376), Tzaneen	23° 42' 00" S 30° 08' 00" E	
Farm 376 (Mokeetsi) (see Farm Duiwelskloof 376), Tzaneen	23° 42' 00" S 30° 08' 00" E	
Farm 376 (Nakaetsi) (see Farm Nakaetsi 376), Tzaneen district, Zoutpansberg	23° 40' 00" S 30° 05' 00" E	
Farm 39 (Makapansgat) (see Farm Makapansgat 39), 16 km NE Potgietersrus	24° 09' 00" S 29° 11' 00" E	1604 m
Farm 68 (Cyprus) (see Farm Cyprus 68), 13 km SW Ofcolaco	24° 11' 00" S 30° 17' 00" E	
Farm 99 (Groothoek) (see Farm Groothoek 99), 25 km ESE Potgietersrus	24° 21' 00" S 29° 07' 48" E	
Farm Cyprus 68, 13 km SW Ofcolaco (see also: Cyprus, Farm 68, Farm 68 (Cyprus), Ofcolaco, 13 km SW)	24° 11' 00" S 30° 17' 00" E	
Farm Duiwelskloof 376, Tzaneen (see also: Duiwelskloof, Farm 376, Farm 376 (Duiwelskloof), Farm 376 (Mokeetsi), Farm Mokeetsi 376, Mokeetsi, Farm 376)	23° 42' 00" S 30° 08' 00" E	
Farm Goodhope, near Haenertsburg (see also: Goodhope, Farm)	23° 57' 00" S 29° 54' 00" E	1500 m
Farm Groothoek 99, 25 km ESE Potgietersrus (see also: Farm 99 (Groothoek), Groothoek, Farm 99, Potgietersrus, 25 km ESE)	24° 21' 00" S 29° 07' 48" E	
Farm Haffenden Heights 35KT (see also: Farm 35KT (Haffenden Heights), Haffenden Heights, Farm 35KT)	24° 07' 00" S 30° 00' 30" E	
Farm Makalali, Letaba (see also: Makalali, Farm)	24° 09' 00" S 30° 42' 00" E	
Farm Makapansgat 39, 16 km NE Potgietersrus (see also: Farm 39 (Makapansgat), Ficus cave, Makapan cave, Makapans Valley, Makapansgat Historic Cave, Makapansgat, Farm 39, Pepercorn's cave, Peppercorn Cave, Peppercorn's cave, Potgietersrus, 16 km NE)	24° 09' 00" S 29° 11' 00" E	1604 m
Farm Modderfontein, 24 km SE Potgietersrus (see also: Howell Davies Cave, Modderfontein, Farm, Potgietersrus, 24 km SE)	24° 20' 00" S 29° 12' 00" E	
Farm Mokeetsi, Letaba-Tzaneen (see also: Moeketsi, Mokeetsi, Farm, Moketsi, Mooketsi)	23° 35' 00" S 30° 05' 00" E	
Farm Mokeetsi 376 (see Farm Duiwelskloof 376), Tzaneen	23° 42' 00" S 30° 08' 00" E	
Farm Naerina, 8 km E Duiwelskloof (see also: Duiwelskloof, 8 km E, Naerina, Farm)	23° 42' 00" S 30° 16' 00" E	
Farm Nakaetsi 376, Tzaneen district, Zoutpansberg (see also: Farm 376 (Nakaetsi), Nakaetsi, Farm 376)	23° 40' 00" S 30° 05' 00" E	
Farm Narina, 8 km E Letaba-Duiwelskloof (see also: Letaba-Duiwelskloof, 8 km E, Malta, Farm, Narina, Farm)	23° 42' 00" S 30° 14' 00" E	
Farm Perkeo 223KT (see also: Farm 223KT (Perkeo), Perkeo, Farm 223KT)	24° 28' 00" S 30° 36' 00" E	
Farm The Downs, Lebowa (see also: The Downs, Farm)	24° 09' 00" S 30° 11' 00" E	
Ficus cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	24° 09' 00" S 29° 11' 00" E	1604 m
Goodhope, Farm (see Farm Goodhope)	23° 57' 00" S 29° 54' 00" E	1500 m
Groothoek, Farm 99 (see Farm Groothoek 99), 25 km ESE Potgietersrus	24° 21' 00" S 29° 07' 48" E	
Haenersburg (see Haenertsburg), Georges valley	23° 56' 00" S 29° 57' 00" E	1461 m
Haenertsburg, Georges valley (see also: Haenersburg)	23° 56' 00" S 29° 57' 00" E	1461 m
Haenertsburg, 10 km SE (see New Agatha State Forest)	24° 02' 00" S 30° 05' 00" E	
Haffenden Heights, Farm 35KT (see Farm Haffenden Heights 35KT)	24° 07' 00" S 30° 10' 00" E	
Lebowa, 10 km W (see Matlapitsi Caves)	24° 10' 00" S 30° 06' 00" E	

Matlapitsi Caves, 10 km W Lebowa (see also: Lebowa, 10 km W)		24° 10' 00" S 30° 06' 00" E	
Howell Davies Cave (see Farm Modderfontein), 24 km SE Potgietersrus		24° 20' 00" S 29° 12' 00" E	
Ledzee Estates, Letaba-Tzaneen		23° 51' 00" S 30° 14' 00" E	
Letaba, 15 km W (see De Hoek Staatsbos)		23° 49' 37" S 30° 02' 53" E	4500 ft
Letaba-Duiwelskloof, 8 km E (see Farm Narina)		23° 42' 00" S 30° 14' 00" E	
Letsitele, Groot Letaba river		23° 53' 20" S 30° 23' 17" E	557 m
Leydsdorp		23° 59' 00" S 30° 32' 00" E	831 m
Makalali, Farm (see Farm Makalali), Letaba		24° 09' 00" S 30° 42' 00" E	
Makapan cave (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Makapans Valley (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Makapansgat Historic Cave (see Farm Makapansgat 39), Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Makapansgat, Farm 39 (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Malta, Farm (see Farm Narina), 19 km W Letaba		24° 10' 00" S 30° 14' 00" E	
Matlepits Valley, Potgietersrus-Zabediela, E Chuniespoort		24° 07' 00" S 29° 37' 00" E	
Modderfontein, Farm (see Farm Modderfontein), 24 km SE Potgietersrus		24° 20' 00" S 29° 12' 00" E	
Moeketsi (see Farm Mokeetsi)		23° 35' 00" S 30° 05' 00" E	
Mokeetsi, Farm (see Farm Mokeetsi), Letaba-Tzaneen		23° 35' 00" S 30° 05' 00" E	
Mokeetsi, Farm 376 (see Farm Duiwelskloof 376), Tzaneen		23° 42' 00" S 30° 08' 00" E	
Moketsi (see Farm Mokeetsi)		23° 35' 00" S 30° 05' 00" E	
Mooketsi (see Farm Mokeetsi)		23° 35' 00" S 30° 05' 00" E	
Motale river		24° 05' 00" S 30° 07' 00" E	
Mphahlela's (see Mphahlele River), Tzaneen		24° 19' 00" S 29° 45' 00" E	
Mphahlele River, Tzaneen (see also: Mphahlela's, Mphatleles)		24° 19' 00" S 29° 45' 00" E	
Mphatleles (see Mphahlele River), Tzaneen		24° 19' 00" S 29° 45' 00" E	
Naerina, Farm (see Farm Naerina), 8 km E Duiwelskloof		23° 42' 00" S 30° 16' 00" E	
Nakaetsi, Farm 376 (see Farm Nakaetsi 376), Tzaneen district, Zoutpansberg		23° 40' 00" S 30° 05' 00" E	
Narina, Farm (see Farm Narina), 8 km E Letaba-Duiwelskloof		23° 42' 00" S 30° 14' 00" E	
New Agatha (see New Agatha State Forest), 10 km SE Haenertsburg		24° 02' 00" S 30° 05' 00" E	
New Agatha Forest Reserve (see New Agatha State Forest), 10 km SE Haenertsburg		24° 02' 00" S 30° 05' 00" E	
New Agatha State Forest, 10 km SE Haenertsburg (see also: Haenertsburg, 10 km SE, New Agatha, New Agatha Forest Reserve)		24° 02' 00" S 30° 05' 00" E	
Ofcolaco, 13 km SW (see Farm Cyprus 68)		24° 11' 00" S 30° 17' 00" E	
Pepercorn's cave (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Peppercorn Cave (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Peppercorn's cave (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Perkeo, Farm 223KT (see Farm Perkeo 223KT)		24° 28' 00" S 30° 36' 00" E	
Potgietersrus		24° 11' 00" S 29° 01' 00" E	1204 m
Potgietersrus, 16 km NE (see Farm Makapansgat 39)		24° 09' 00" S 29° 11' 00" E	1604 m
Potgietersrus, 24 km SE (see Farm Modderfontein)		24° 20' 00" S 29° 12' 00" E	
Potgietersrus, 25 km ESE (see Farm Groothoek 99)		24° 21' 00" S 29° 07' 48" E	
Potgietersrus, 5 km N		24° 08' 00" S 29° 00' 00" E	
The Downs, Farm (see Farm The Downs), Lebowa		24° 09' 00" S 30° 11' 00" E	
Timbavati, Gazankulu		24° 19' 00" S 31° 20' 00" E	
Tzaneen (see also: Birthday Goldmine)		23° 50' 00" S 30° 10' 00" E	742 m
Tzaneen Estate (see Tzaneen Governamental Estate), Letaba-Tzaneen		23° 48' 00" S 30° 10' 00" E	
Tzaneen Governamental Estate (see also: Tzaneen Estate, Tzaneen Government Estate)		23° 48' 00" S 30° 10' 00" E	
Tzaneen Government Estate (see Tzaneen Governamental Estate)		23° 48' 00" S 30° 10' 00" E	
Tzaneen, 15 km W (see De Hoek Staatsbos)		23° 49' 37" S 30° 02' 53" E	4500 ft
Tzaneen, 6 mi [=9.7 km] NE	ca.	23° 50' 00" S 30° 10' 00" E	

Zebediela (see also: Zebediela Estates, Zebedielo, Zebedula)		24° 16' 00" S 29° 17' 00" E	1166 m
Zebediela Estates (see Zebediela)		24° 16' 00" S 29° 17' 00" E	1166 m
Zebedielo (see Zebediela)		24° 16' 00" S 29° 17' 00" E	1166 m
Zebedula (see Zebediela)		24° 16' 00" S 29° 17' 00" E	1166 m
Shashi-Limpopo River confluence		22° 12' 00" S 29° 22' 00" E	
Vhembe district			
Alldays, 32 km NE (see Farm Hilda [=V.L.NR.])		22° 19' 00" S 29° 14' 00" E	
Alldays, 32 km NE (see Farm Luna 61MS [=V.L.N.R.])		22° 22' 00" S 29° 21' 00" E	
Alldays, 32 km NE (see Farm Regina 68 [=V.L.N.R.])		22° 22' 48" S 29° 16' 12" E	
Bokveld, Farm (see Farm Bokveld), 20 km E Messina, on Limpopo River		22° 19' 00" S 30° 11' 00" E	
Bordeaux, Farm (see Farm Bordeaux), 5 mi E Waterpoort		22° 41' 00" S 29° 38' 00" E	
Chipise (see Tshipise)		22° 36' 00" S 30° 10' 00" E	501 m
Chipise, 1 mi [=1.6 km] NE (see Tshipise, 1 mi [=1.6 km] NE)	ca.	22° 36' 00" S 30° 10' 00" E	
Dongolakop, Messina		22° 15' 00" S 29° 41' 00" E	
Entabeni State Forest, Soutpansberg, 30 km E Louis Trichardt		23° 02' 07" S 30° 11' 33" E	
Farm 23MT (Scrutton) (see Farm Scrutton 23MT), 32 km E Messina		22° 21' 00" S 30° 21' 00" E	1450 ft
Farm 246 (Lilliput) (see Farm Lilliput 246), 16 km SW Messina		22° 28' 00" S 29° 56' 00" E	
Farm 61MS (Luna) [=V.L.N.R.] (see Farm Luna 61MS [=V.L.N.R.]), 32 km NE Alldays		22° 22' 00" S 29° 21' 00" E	
Farm 68 (Regina) [=V.L.N.R.] (see Farm Regina 68 [=V.L.N.R.]), 32 km NE Alldays		22° 22' 48" S 29° 16' 12" E	
Farm Bokveld, 20 km E Messina, on Limpopo River (see also: Bokveld, Farm, Messina, 20 km E)		22° 19' 00" S 30° 11' 00" E	
Farm Hilda [=V.L.NR.], 32 km NE Alldays (see also: Alldays, 32 km NE, Hilda, Farm [=V.L.NR.])		22° 19' 00" S 29° 14' 00" E	
Farm Lilliput 246, 16 km SW Messina (see also: Farm 246 (Lilliput), Lilliput, Farm 246, Messina, 16 km SW)		22° 28' 00" S 29° 56' 00" E	
Farm Luna 61MS [=V.L.N.R.], 32 km NE Alldays (see also: Alldays, 32 km NE, Farm 61MS (Luna) [=V.L.N.R.], Luna, Farm 61MS [=V.L.N.R.])		22° 22' 00" S 29° 21' 00" E	
Farm Regina 68 [=V.L.N.R.], 32 km NE Alldays (see also: Alldays, 32 km NE, Farm 68 (Regina) [=V.L.N.R.], Regina, Farm 68 [=V.L.N.R.])		22° 22' 48" S 29° 16' 12" E	
Farm Scrutton 23MT, 32 km E Messina (see also: Farm 23MT (Scrutton), Messina, 32 km E, Scrutton, Farm 23MT)		22° 21' 00" S 30° 21' 00" E	1450 ft
Hilda, Farm [=V.L.NR.] (see Farm Hilda [=V.L.NR.]), 32 km NE Alldays		22° 19' 00" S 29° 14' 00" E	
Lilliput, Farm 246 (see Farm Lilliput 246), 16 km SW Messina		22° 28' 00" S 29° 56' 00" E	
Luna, Farm 61MS [=V.L.N.R.] (see Farm Luna 61MS [=V.L.N.R.]), 32 km NE Alldays		22° 22' 00" S 29° 21' 00" E	
Madimbo Military area, 98 km E Messina (see also: Messina, 98 km E)		22° 18' 00" S 30° 52' 00" E	348 m
Messina		22° 21' 00" S 30° 03' 00" E	530 m
Messina Nature Reserve		22° 23' 00" S 30° 03' 00" E	
Sand River		22° 25' 12" S 30° 04' 48" E	
Messina, 10 km E (see Mimbo, on Limpopo)		22° 20' 00" S 30° 58' 00" E	
Messina, 16 km SW (see Farm Lilliput 246)		22° 28' 00" S 29° 56' 00" E	
Messina, 20 km E (see Farm Bokveld)		22° 19' 00" S 30° 11' 00" E	
Messina, 32 km E (see Farm Scrutton 23MT)		22° 21' 00" S 30° 21' 00" E	1450 ft
Messina, 4 km E (see Musina, 4 km E)		22° 21' 00" S 30° 03' 00" E	
Messina, 98 km E (see Madimbo Military area)		22° 18' 00" S 30° 52' 00" E	348 m
Mimbo, on Limpopo, 10 km E Messina (see also: Messina, 10 km E)		22° 20' 00" S 30° 58' 00" E	
Motale River, Messina		22° 30' 00" S 30° 50' 00" E	
Musina, 4 km E (see also: Messina, 4 km E)		22° 21' 00" S 30° 03' 00" E	
Nwanedi, Messina		22° 38' 36" S 30° 23' 51" E	
Regina, Farm 68 [=V.L.N.R.] (see Farm Regina 68 [=V.L.N.R.]), 32 km NE Alldays		22° 22' 48" S 29° 16' 12" E	
Scrutton, Farm 23MT (see Farm Scrutton 23MT), 32 km E Messina		22° 21' 00" S 30° 21' 00" E	1450 ft
Shashe and Limpopo junction (see Vhembi), Messina		22° 26' 00" S 29° 22' 00" E	

Soutpansberg		22° 58' 48" S 30° 15' 00" E	
(see also: Zoutpansberg)			
Hillside Farm		23° 00' 59" S 29° 47' 14" E	1190 m
Lajuma		23° 02' 18" S 29° 26' 34" E	1086 m
(see also: Lajuma bridge, Lajuma Forest Lodge, Lajuma wetland, Lajuma Wilderness Camp)			
Lajuma bridge (see Lajuma)		23° 02' 18" S 29° 26' 34" E	1168 m
Lajuma Forest Lodge (see Lajuma)		23° 02' 18" S 29° 26' 34" E	1086 m
Lajuma Mountain Reserve		23° 01' 22" S 29° 15' 52" E	
Lajuma wetland (see Lajuma)		23° 02' 18" S 29° 26' 34" E	1334 m
Lajuma Wilderness Camp (see Lajuma)		23° 02' 18" S 29° 26' 34" E	1086 m
Luvhondo Private Nature Reserve		23° 02' 24" S 29° 26' 24" E	1270 m
Lajuma Research Center		23° 02' 24" S 29° 26' 24" E	1270 m
Tshipise		22° 36' 00" S 30° 10' 00" E	501 m
(see also: Chipise)			
Tshipise, 1 mi [=1.6 km] NE	ca.	22° 36' 00" S 30° 10' 00" E	
(see also: Chipise, 1 mi [=1.6 km] NE)			
Vhembi, Messina		22° 26' 00" S 29° 22' 00" E	
(see also: Shashe and Limpopo junction)			
Waterpoort		22° 54' 00" S 29° 37' 00" E	
Waterpoort, 5 mi [=8 km] E (see Farm Bordeaux)		22° 41' 00" S 29° 38' 00" E	
Zoutpansberg (see Soutpansberg), 5 km E Louis Trichardt		22° 58' 48" S 30° 15' 00" E	
Waterberg district			
Bela-Bela, 50 km W (see Farm Vellefontein 517 KQ)		24° 49' 26" S 27° 47' 07" E	
Bela-Bela, 53 km W (see Farm Rietfontein 536KQ)		24° 54' 30" S 27° 44' 36" E	
Buffelshoek, Farm 446KQ, Thabazimbi, 16 mi [=26 km] SE		24° 40' 18" S 27° 21' 38" E	
Buren, Farm (see Farm Buren), 128 km NW Ellisras		23° 37' 00" S 27° 52' 00" E	
Dassie Cave (see Waterberg Game Farm, Dassie Cave), Waterberg		24° 07' 03" S 28° 23' 08" E	1451 m
D'Nyala Provincial Nature Reserve, 11 km SE Ellisras		23° 45' 00" S 27° 48' 00" E	
(see also: Ellisras, 11 km SE)			
Donkerpoort, Farm 448 (see Gatkop cave), 24 km E Thabazimbi, Rooiberg		24° 37' 05" S 27° 39' 08" E	
Doorndraai Dam Nature Reserve, Potgietersrus-Naboomspruit		24° 16' 00" S 28° 43' 00" E	
Doornsloot		24° 01' 00" S 28° 22' 00" E	ca. 1301 m
Dordrecht, Farm (see Farm Dordrecht), 20 km S Marken		23° 50' 00" S 28° 22' 00" E	
Driefontein, Farm (see Farm Driefontein), Vaalwater; Waterberg			
Ellisras, 10 km NE (see Farm Tambotiekloof 601)		23° 54' 00" S 27° 41' 00" E	
Ellisras, 10 km NE (see Neiman's Farm)		23° 37' 59" S 27° 49' 01" E	
Ellisras, 11 km SE (see D'Nyala Provincial Nature Reserve)		23° 45' 00" S 27° 48' 00" E	
Ellisras, 128 km NW (see Farm Buren)		23° 37' 00" S 27° 52' 00" E	
Fairfield, Farm 306 (see Farm Fairfield 306), Rustenburg		24° 33' 00" S 27° 11' 00" E	
Farm 140KT (Harmony) (see Farm Harmony 140KT)		24° 16' 22" S 30° 36' 50" E	
Farm 261 (Kaalfontein) (see Farm Kaalfontein 261), 37 km NW Potgietersrus		24° 15' 00" S 28° 24' 00" E	
Farm 306 (Fairfield) (see Farm Fairfield 306), Rustenburg		24° 33' 00" S 27° 11' 00" E	
Farm 343 (Nicorel) (see Farm Nicorel 343), 18 km N Steilloop(burg)		23° 15' 36" S 28° 36' 36" E	
Farm 354 (Tygerkloof) (see Farm Tygerkloof 354), 24 km SW Thabazimbi		24° 41' 40" S 27° 12' 33" E	
Farm 354 (Tygerskloof) (see Farm Tygerkloof 354), 24 km SW Thabazimbi		24° 41' 40" S 27° 12' 33" E	
Farm 446KQ (Buffelshoek), Thabazimbi, 16 mi [=26 km] SE		24° 40' 00" S 27° 21' 00" E	
Farm 448 (Donkerpoort) (see Gatkop cave), 24 km E Thabazimbi, Rooiberg		24° 37' 05" S 27° 39' 08" E	
Farm 449 (Welgevonden) (see Farm Welgevonden 449), 16 km W Steilloop(burg)		23° 32' 00" S 28° 26' 00" E	
Farm 449KQ (see Gatkop cave)		24° 37' 05" S 27° 39' 08" E	
Farm 517 KQ (Vellefontein) (see Farm Vellefontein 517 KQ)		24° 49' 26" S 27° 47' 07" E	
Farm 536KQ (Rietfontein) (see Farm Rietfontein 536KQ)		24° 54' 30" S 27° 44' 36" E	
Farm 538 (Rooikrans) (see Farm Rooikrans 538), Thabazimbi		24° 53' 00" S 27° 39' 00" E	
Farm 538 (Rooikranz) (see Farm Rooikrans 538), Thabazimbi		24° 53' 00" S 27° 39' 00" E	

Farm 54JS (Klipfontein) (see Farm Klipfontein 54JS), 30 km NE Vaalwater; Waterberg	24° 08' 00" S 28° 08' 00" E	
Farm 601 (Tambotiekloof) (see Farm Tambotiekloof 601), 10 km NE Ellisras	23° 54' 00" S 27° 41' 00" E	
Farm 603 KQ (Hartbeesfontein) (see Farm Hartbeesfontein 603 KQ)	24° 47' 04" S 27° 45' 49" E	1182 m
Farm Buffelshoek 446KQ, Thabazimbi, 16 mi [=26 km] SE (see also: Thabazimbi, 16 mi [=26 km] SE)	24° 40' 00" S 27° 21' 00" E	
Farm Buren, 128 km NW Ellisras (see also: Buren, Farm, Ellisras, 128 km NW)	23° 37' 00" S 27° 52' 00" E	
Farm Dordrecht, 20 km S Marken (see also: Dordrecht, Farm, Marken, 20 km S)	23° 50' 00" S 28° 22' 00" E	
Farm Driefontein, Vaalwater; Waterberg (see also: Driefontein, Farm)		
Farm Fairfield 306, Rustenburg (see also: Fairfield, Farm 306, Farm 306 (Fairfield))	24° 33' 00" S 27° 11' 00" E	
Farm Harmony 140KT (see also: Farm 140KT (Harmony), Harmony, Farm 140KT)	24° 16' 22" S 30° 36' 50" E	
Farm Hartbeesfontein 603 KQ, 50 km SE Thabazimbi, Bela-Bela municipality (see also: Farm 603 KQ (Hartbeesfontein), Hartbeesfontein, Farm 603 KQ, Thabazimbi, 50 km SE)	24° 47' 04" S 27° 45' 49" E	1182 m
Farm Hartebeesthoek, 48 km SE Thabazimbi (see also: Hartebeesthoek, Farm, Thabazimbi, 48 km SE)	24° 47' 00" S 27° 45' 00" E	
Farm Hekpoort, Thambazimbi / Witwatersberg (see also: Hekpoort, Farm, Witwatersberg)	24° 44' 00" S 27° 37' 00" E	
Farm Kaalfontein 261, 37 km NW Potgietersrus (see also: Farm 261 (Kaalfontein), Kaalfontein, Farm 261)	24° 15' 00" S 28° 24' 00" E	
Farm Klipfontein 54JS, 30 km NE Vaalwater; Waterberg (see also: Farm 54JS (Klipfontein), Klipfontein, Farm 54JS, Vaalwater, 30 km NE)	24° 08' 00" S 28° 08' 00" E	
Farm Nicorel 343, 18 km N Steilloop(burg) (see also: Farm 343 (Nicorel), Nicorel, Farm 343, Steilloop, 18 km N, Steilloopburg, 18 km N)	23° 15' 36" S 28° 36' 36" E	
Farm Nyls Vly (see Nylsvlei Farm), Potgietersrus-Naboomspruit	24° 39' 00" S 28° 42' 00" E	
Farm Nylsvlei (see Nylsvlei Farm), Potgietersrus-Naboomspruit	24° 39' 00" S 28° 42' 00" E	
Farm Platbos, 32 km NW Vaalwater; Waterberg (see also: Platbos, Farm, Vaalwater, 32 km NW)	24° 13' 00" S 27° 52' 00" E	
Farm Rietfontein 536KQ, Bela-Bela Municipality,off R516, 53 km W of Bela-Bela (see also: Bela-Bela, 53 km W, Farm 536KQ (Rietfontein), Rietfontein, Farm 536KQ)	24° 54' 30" S 27° 44' 36" E	
Farm Rooikrans 538, Thabazimbi (see also: Farm 538 (Rooikrans), Farm 538 (Rooikranz), Farm Rooikranz 538, Rooikrans, Farm 538, Rooikranz, Farm 538)	24° 53' 00" S 27° 39' 00" E	
Farm Rooikranz 538 (see Farm Rooikrans 538), Thabazimbi	24° 53' 00" S 27° 39' 00" E	
Farm Rotterdam, 10 mi [=16 km] N Thabazimbi	24° 33' 17" S 27° 20' 20" E	
Farm Tambotiekloof 601, 10 km NE Ellisras (see also: Ellisras, 10 km NE, Farm 601 (Tambotiekloof), Farm Tambotieskloof 601, Tambotiekloof, Farm 601, Tambotieskloof, Farm 601)	23° 54' 00" S 27° 41' 00" E	
Farm Tambotieskloof 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	23° 54' 00" S 27° 41' 00" E	
Farm Tygerkloof 354, 24 km SW Thabazimbi (see also: Farm 354 (Tygerkloof), Farm 354 (Tygerskloof), Farm Tygerskloof 354, Thabazimbi, 24 km SW, Tygerkloof, Farm 354, Tygerskloof, Farm 354)	24° 41' 40" S 27° 12' 33" E	
Farm Tygerskloof 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi	24° 41' 40" S 27° 12' 33" E	
Farm Vellefontein 517 KQ, Bela-Bela municipality, off road R50, 50 km W Bela-Bela (see also: Bela-Bela, 50 km W, Farm 517 KQ (Vellefontein), Vellefontein, Farm 517 KQ)	24° 49' 26" S 27° 47' 07" E	

Farm Waterval, 16 mi [=26 km] SE Thabazimbi (see also: Thabazimbi, 16 mi [=26 km] SE, Waterval, Farm)	24° 39' 17" S 27° 12' 48" E	
Farm Weinek, 2 mi [=3.2 km] W Rooiberg	24° 47' 01" S 27° 40' 43" E	
Farm Welgevonden 449, 16 km W Steilloop(burg), Levubu Valley; 20 km on road from Louis Trichardt to Thohoyandou (see also: Farm 449 (Welgevonden), Louis Trichardt to Thohoyandou, km 20 on road, Steilloop, 16 km SW, Steilloopburg, 16 km SW, Welgevonden, Farm 449)	23° 32' 00" S 28° 26' 00" E	
Farm Weynek (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg	24° 47' 01" S 27° 40' 43" E	
Farm Zandspruit 449KQ (see Gatkop cave)	24° 37' 05" S 27° 39' 08" E	
Farm Zanrivier, NW Warmbaths (see also: Zanrivier, Farm)	24° 39' 00" S 28° 02' 00" E	
Gamafefe (see also: Mahune site)	24° 37' 05" S 27° 39' 08" E	
Gat Koppies (see Gatkop cave), 24 km E Thabazimbi	24° 37' 05" S 27° 39' 08" E	
Gatkop (see Gatkop cave), 24 km E Thabazimbi	24° 37' 05" S 27° 39' 08" E	
Gatkop cave, 24 km E Thabazimbi (see also: Donkerpoort, Farm 448, Farm 448 (Donkerpoort), Farm 449KQ, Farm Zandspruit 449KQ, Gat Koppies, Gatkop, Gatkoppies, Gattis koppies, Jonker Trust Farm, Sandspruit Cave, Sandspruit Cave No. 1, Sandspruit Cave No. 2, Sundspruit cave, Thabazimbi, 24 km E, Thabazimbi, 24 km E, Thabazimbi, 24 km E, Warmbad, 40 mi [=64 km] WNW, Zandspruit Caves, Zandspruit, Farm 449KQ)	24° 37' 05" S 27° 39' 08" E	
Gatkoppies (see Gatkop cave), 24 km E Thabazimbi	24° 37' 05" S 27° 39' 08" E	
Gattis koppies (see Gatkop cave), Vaalwater	24° 37' 05" S 27° 39' 08" E	
Hans Strydom Dam Nature Reserve	24° 00' 00" S 27° 46' 00" E	
Harmony, Farm 140KT (see Farm Harmony 140KT)	24° 16' 22" S 30° 36' 50" E	
Hartbeesfontein, Farm 603 KQ (see Farm Hartbeesfontein 603 KQ)	24° 47' 04" S 27° 45' 49" E	1182 m
Hartebeesthoek, Farm (see Farm Hartebeesthoek), 48 km SE Thabazimbi	24° 47' 00" S 27° 45' 00" E	
Hekpoort, Farm (see Farm Hekpoort), Thambazimbi / Witwatersberg	24° 44' 00" S 27° 37' 00" E	
Huwi Private Nature Reserve	23° 45' 00" S 27° 50' 00" E	
Jonker Trust Farm (see Gatkop cave)	24° 37' 05" S 27° 39' 08" E	
Kaalfontein, Farm 261 (see Farm Kaalfontein 261), 37 km NW Potgietersrus	24° 15' 00" S 28° 24' 00" E	
Klipfontein, Farm 54JS (see Farm Klipfontein 54JS), 30 km NE Vaalwater; Waterberg	24° 08' 00" S 28° 08' 00" E	
Lapalala Wilderness area, 65 km N Vaalwater; Waterberg (see also: Vaalwater, 65 km N)	23° 51' 00" S 28° 09' 00" E	
Dubbelwater, Farm (see Farm Dubbelwater), 65 km N Vaalwater	23° 49' 00" S 28° 16' 00" E	
Farm 608 (New Belgium) (see Farm New Belgium 608), 65 km N Vaalwater	23° 53' 00" S 28° 08' 00" E	
Farm Dubbelwater, 65 km N Vaalwater (see also: Dubbelwater, Farm)	23° 49' 00" S 28° 16' 00" E	
Farm New Belgium 608, 65 km N Vaalwater (see also: Farm 608 (New Belgium), New Belgium, Farm 608, RR Ranch)	23° 53' 00" S 28° 08' 00" E	
New Belgium, Farm 608 (see Farm New Belgium 608), 65 km N Vaalwater	23° 53' 00" S 28° 08' 00" E	
Palala-Koedoesloop Rivers confluence, 65 km N Vaalwater	23° 48' 00" S 28° 15' 00" E	
RR Ranch (see Farm New Belgium 608), 65 km N Vaalwater	23° 53' 00" S 28° 08' 00" E	
Vaalwater, 65 km N	23° 48' 00" S 28° 15' 00" E	
Weltevreden Research Station, 65 km N Vaalwater	23° 52' 00" S 28° 09' 00" E	
Louis Trichardt to Thohoyandou, km 20 on road (see Farm Welgevonden 449)	23° 32' 00" S 28° 26' 00" E	
Maasstroom, 24 km NW (see Mmabolela Estates [farmstead])	22° 38' 00" S 28° 17' 00" E	
Mahune site (see Gamafefe)	24° 37' 05" S 27° 39' 08" E	
Marken, 20 km S (see Farm Dordrecht)	23° 50' 00" S 28° 22' 00" E	
Mmabolela Estates [farmstead], 14 mi NW Maasstroom (see also: Maasstroom, 24 km NW)	22° 38' 00" S 28° 17' 00" E	

Modimolle, 3 km NW (see also: Nylstroom, 3 km NW)	24° 40' 20" S 28° 22' 38" E	1350 m
Mooivlei, Thambazimbi	23° 49' 00" S 26° 58' 00" E	
Mosdene [farmstead], 2 mi SE Naboomspruit (see also: Mosdene Nature Reserve, Mosdene Private Nature Reserve, Naboomspruit, 2 mi [=3.2 km] SE)	24° 36' 00" S 28° 47' 00" E	
Mosdene Nature Reserve (see Mosdene [farmstead]), 2 mi SE Naboomspruit	24° 36' 00" S 28° 47' 00" E	
Mosdene Private Nature Reserve (see Mosdene [farmstead]), 2 mi SE Naboomspruit	24° 36' 00" S 28° 47' 00" E	
Naboomspruit, 2 mi [=3.2 km] SE (see Mosdene [farmstead])	24° 36' 00" S 28° 47' 00" E	
Neiman's Farm (see also: Ellisras, 10 km NE)	23° 37' 59" S 27° 49' 01" E	
Nicorel, Farm 343 (see Farm Nicorel 343), 18 km N Steilloop(burg)	23° 15' 36" S 28° 36' 36" E	
Northam	24° 58' 00" S 27° 16' 00" E	
Nyls Vly Farm (see Nylsvlei Farm), Potgietersrus-Naboomspruit	24° 39' 00" S 28° 42' 00" E	
Nylstroom	24° 42' 00" S 28° 24' 00" E	1178 m
Nylstroom, 3 km NW (see Modimolle, 3 km NW)	24° 40' 20" S 28° 22' 38" E	1350 m
Nylsvlei Farm, Potgietersrus-Naboomspruit (see also: Farm Nyls Vly, Farm Nylsvlei, Nyls Vly Farm, Nylsvlei Nature Reserve, Nylsvlei Provincal Nature Reserve)	24° 39' 00" S 28° 42' 00" E	
Nylsvlei Nature Reserve (see Nylsvlei Farm), Potgietersrus-Naboomspruit	24° 40' 00" S 28° 43' 00" E	
Nylsvlei Provincal Nature Reserve (see Nylsvlei Farm), Potgietersrus-Naboomspruit	24° 39' 00" S 28° 42' 00" E	
Percy Fyfe Nature Reserve, Potgietersrus	24° 03' 00" S 29° 08' 00" E	
Platbos, Farm (see Farm Platbos), 32 km NW Vaalwater; Waterberg	24° 13' 00" S 27° 52' 00" E	
Potgietersrus, 20 km N (see Wonderkop Nature Reserve)	23° 12' 50" S 28° 39' 30" E	
Potgietersrus, 37 km NW (see Ubumanzi Game Farm)	24° 12' 00" S 28° 35' 00" E	
Rietfontein, Farm 536KQ (see Farm Rietfontein 536KQ)	24° 54' 30" S 27° 44' 36" E	
Rissik Private Nature Reserve, 5 mi [=8 km] E Warmbaths (see also: Warmbaths, 5 mi [=8 km] E)	24° 53' 00" S 28° 27' 00" E	
Rooiberg, 39 km SE Thabazimbi: Waterberg (see also: Rooiberg, Tin mine, Thabazimbi, 39 km SE)	24° 46' 00" S 27° 44' 00" E	1162 m
Rooiberg, 2 mi [=3.2 km] W (see Thabazimbi, 16 mi [=26 km] SE)	24° 47' 01" S 27° 40' 43" E	
Rooiberg, Tin mine (see Rooiberg)	24° 46' 10" S 27° 43' 55" E	1162 m
Rooikrans, Farm 538 (see Farm Rooikrans 538), Thabazimbi	24° 53' 00" S 27° 39' 00" E	
Rooikranz, Farm 538 (see Farm Rooikrans 538), Thabazimbi	24° 53' 00" S 27° 39' 00" E	
Rotterdam, Farm (see Rotterdam, Farm), 10 mi [=16 km] N Thabazimbi (see also: Rotterdam, Farm, Thabazimbi, 10 mi [=16 km] N)	24° 33' 17" S 27° 20' 20" E	
Sandspruit Cave (see Gatkop cave), 40 mi [=64 km] WNW Warmbad	24° 37' 05" S 27° 39' 08" E	
Sandspruit cave 2, NW of	23° 08' 00" S 28° 24' 00" E	
Sandspruit Cave No. 1 (see Gatkop cave), Rooiberg	24° 37' 05" S 27° 39' 08" E	
Sandspruit Cave No. 2 (see Gatkop cave)	24° 37' 05" S 27° 39' 08" E	
Steilloop, 16 km SW (see Farm Welgevonden 449)	23° 32' 00" S 28° 26' 00" E	
Steilloop, 18 km N (see Farm Nicorel 343)	23° 15' 36" S 28° 36' 36" E	
Steilloopburg, 16 km SW (see Farm Welgevonden 449)	23° 32' 00" S 28° 26' 00" E	
Steilloopburg, 18 km N (see Farm Nicorel 343)	23° 15' 36" S 28° 36' 36" E	
Sundspruit cave (see Gatkop cave), Rooiberg	24° 37' 05" S 27° 39' 08" E	
Tambotiekloof, Farm 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	23° 54' 00" S 27° 41' 00" E	
Tambotieskloof, Farm 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	23° 54' 00" S 27° 41' 00" E	
Thabazimbi (see also: Thambazimbi)	24° 36' 00" S 27° 24' 00" E	1420 m
Farm 455KQ (Randstephne) (see Farm Randstephne 455KQ)	24° 36' 58" S 27° 39' 31" E	993 m

Farm Randstephne 455KQ (see also: Farm 455KQ (Randstephne), Randstephne, Farm 455KQ)	24° 36' 58" S 27° 39' 31" E	993 m
Randstephne, Farm 455KQ (see Farm Randstephne 455KQ)	24° 36' 58" S 27° 39' 31" E	993 m
Thabazimbi, 10 mi [=16 km] N (see Rotterdam, Farm)	24° 33' 17" S 27° 20' 20" E	
Thabazimbi, 16 mi [=26 km] SE (see Farm Buffelshoek 446KQ)	24° 40' 00" S 27° 21' 00" E	
Thabazimbi, 16 mi [=26 km] SE (see Farm Waterval) (see also: Farm Weynek, Rooiberg, 2 mi [=3.2 km] W, Weinek, Farm, Weynek, Farm)	24° 39' 17" S 27° 12' 48" E	
Thabazimbi, 24 km E (see Gatkop cave)	24° 37' 05" S 27° 39' 08" E	
Thabazimbi, 24 km SW (see Farm Tygerkloof 354)	24° 41' 40" S 27° 12' 33" E	
Thabazimbi, 39 km SE (see Rooiberg)	24° 46' 00" S 27° 44' 00" E	1162 m
Thabazimbi, 48 km SE (see Farm Hartebeesthoek)	24° 47' 00" S 27° 45' 00" E	
Thabazimbi, 50 km SE (see Farm Hartbeesfontein 603 KQ)	24° 47' 04" S 27° 45' 49" E	1182 m
Thambazimbi (see Thabazimbi)	24° 36' 00" S 27° 24' 00" E	1420 m
Tygerkloof, Farm 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi	24° 41' 40" S 27° 12' 33" E	
Tygerskloof, Farm 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi	24° 41' 40" S 27° 12' 33" E	
Ubumanzi Game Farm, 37 km NW Potgietersrus (see also: Potgietersrus, 37 km NW)	24° 12' 00" S 28° 35' 00" E	
Vaalwater, Waterberg	24° 18' 00" S 28° 06' 00" E	1167 m
Vaalwater, 30 km NE (see Farm Klipfontein 54JS)	24° 08' 00" S 28° 08' 00" E	
Vaalwater, 32 km NW (see Farm Platbos)	24° 13' 00" S 27° 52' 00" E	
Vaalwater, 65 km N (see Lapalala Wilderness area)	23° 51' 00" S 28° 09' 00" E	
Vellefontein, Farm 517 KQ (see Farm Vellefontein 517 KQ)	24° 49' 26" S 27° 47' 07" E	
Warmbad (see Warmbaths)	24° 53' 00" S 28° 17' 00" E	1098 m
Warmbad, 2 mi [=3.2 km] E (see Warmbaths, 2 mi [=3.2 km] E)	24° 53' 00" S 28° 17' 00" E	ca. 1000 m
Warmbad, 40 mi [=64 km] WNW (see Gatkop cave)	24° 37' 05" S 27° 39' 08" E	
Warmbaths (see also: Warmbad)	24° 53' 00" S 28° 17' 00" E	1098 m
Warmbaths, 2 mi [=3.2 km] E (see also: Warmbad, 2 mi [=3.2 km] E)	24° 53' 00" S 28° 17' 00" E	ca. 1000 m
Warmbaths, 5 mi [=8 km] E (see Rissik Private Nature Reserve)	24° 53' 00" S 28° 27' 00" E	
Waterberg Game Farm	24° 06' 59" S 28° 23' 18" E	1410 m
Waterberg Game Farm, Dassie Cave, Waterberg (see also: Dassie Cave)	24° 07' 03" S 28° 23' 08" E	1451 m
Waterval, Farm (see Farm Waterval), 16 mi [=26 km] SE Thabazimbi	24° 39' 17" S 27° 12' 48" E	
Weinek, Farm (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg	24° 47' 01" S 27° 40' 43" E	
Welgevonden, Farm 449 (see Farm Welgevonden 449), 16 km W Steilloop(burg)	23° 32' 00" S 28° 26' 00" E	
Weynek, Farm (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg	24° 47' 01" S 27° 40' 43" E	
Witwatersberg (see Farm Hekpoort), Thambazimbi	24° 44' 00" S 27° 37' 00" E	
Wonderkop Nature Reserve, 20 km N Potgietersrus (see also: Potgietersrus, 20 km N)	23° 12' 50" S 28° 39' 30" E	
Zandspruit Caves (see Gatkop cave), 24 km E Thabazimbi	24° 37' 05" S 27° 39' 08" E	
Zandspruit, Farm 449KQ (see Gatkop cave)	24° 37' 05" S 27° 39' 08" E	
Zanrivier, Farm (see Farm Zanrivier), NW Warmbaths	24° 39' 00" S 28° 02' 00" E	
Maasstroom, 1 km SSE (see Farm Al-te-ver 103)	22° 46' 00" S 28° 28' 00" E	
Marone (see Boerboomskraal)	24° 49' 00" S 30° 21' 00" E	876 m
Mganduli (see Mqanduli)	31° 49' 00" S 28° 45' 00" E	682 m
Moanduli (see Mqanduli)	31° 49' 00" S 28° 45' 00" E	682 m
Morone (see Boerboomskraal)	24° 49' 00" S 30° 21' 00" E	876 m
Mpumalanga province		
Berlin		
Ehlanzeli district		
Acornhoek, 11 km N Newinngton (see also: Newinngton, 11 km N)	24° 35' 00" S 31° 05' 00" E	594 m
Balule Private Nature Reserve, on Oliphants River	24° 03' 00" S 31° 44' 00" E	
Barberton (see also: Umhlumna)	25° 47' 00" S 31° 03' 00" E	786 m
Barberton (mine) tunnel	25° 47' 58" S 31° 02' 57" E	596 m
Barberton, 11 km ENE (see Figaro Mine)	25° 27' 00" S 31° 28' 00" E	
Berlin, Farm 446JT (see also: Farm 446JT (Berlin), Farm Berlin 446JT)	25° 30' 48" S 30° 46' 29" E	

Blyde Canyon Nature Reserve (see Blyderivierspoort Natuurreservaat)	24° 35' 00" S 30° 49' 00" E	
Blyderivier Nature Reserve (see Blyderivierspoort Natuurreservaat)	24° 35' 00" S 30° 49' 00" E	
Blyderivier Nature Reserve (see Blyderivierspoort Natuurreservaat)	24° 35' 00" S 30° 49' 00" E	
Blyderivierspoort Nature Reserve (see Blyderivierspoort Natuurreservaat)	24° 35' 00" S 30° 49' 00" E	
Blyderivierspoort Natuurreservaat (see also: Blyde Canyon Nature Reserve, Blyderivier Nature Reserve, Blyderivier Nature Reserve, Blyderivierspoort Nature Reserve)	24° 35' 00" S 30° 49' 00" E	
Bourkes Luck Potholes (see Farm Bourkes Luck 454)	24° 39' 00" S 30° 49' 00" E	
Bourkes Luck, Farm 454 (see Farm Bourkes Luck 454)	24° 39' 00" S 30° 49' 00" E	
Chester, Farm 235 (see Farm Chester 235), dam on Blyde River	24° 35' 00" S 30° 47' 00" E	
Farm 235 (Chester) (see Farm Chester 235), dam on Blyde River	24° 35' 00" S 30° 47' 00" E	
Farm 454 (Bourkes Luck) (see Farm Bourkes Luck 454)	24° 39' 00" S 30° 49' 00" E	
Farm Bourkes Luck 454 (see also: Bourkes Luck Potholes, Bourkes Luck, Farm 454, Farm 454 (Bourkes Luck))	24° 39' 00" S 30° 49' 00" E	
Farm Chester 235, dam on Blyde River (see also: Chester, Farm 235, Farm 235 (Chester))	24° 35' 00" S 30° 47' 00" E	
Bourke's Luck (see also: Elandsfontein, Farm 435KT, Farm 435KT (Elandsfontein), Farm Elandsfontein 435KT)	24° 39' 00" S 30° 49' 00" E	
Echo caves (see Farm Klipfontein 407)	24° 33' 28" S 30° 36' 28" E	
Elandsfontein, Farm 435KT (see Bourke's Luck)	24° 39' 00" S 30° 49' 00" E	
eLegogoto, mountain, Nelspruit (see also: Legogoto, Logogoto, Logogotu, Lugogodo, Mount eLegogoto)	25° 14' 00" S 31° 05' 00" E	
Farm 112JU (Tenbosch) (see Farm Tenbosch 112JU)	25° 22' 35" S 31° 55' 21" E	
Farm 175JU (Thankerton) (see Farm Thankerton 175JU)	25° 26' 21" S 31° 39' 27" E	
Farm 195KU (Fleur de Lys) (see Farm Fleur de Lys 195KU)	24° 32' 00" S 31° 01' 00" E	
Farm 217JT (Klipgat) (see Farm Klipgat 217JT)	25° 11' 00" S 30° 43' 00" E	
Farm 242 (Othawo) (see Farm Othawo 242), 16 km N Newington	24° 45' 00" S 31° 26' 00" E	
Farm 407 (Klipfontein) (see Farm Klipfontein 407), 19 km SSE Ohhrigstad	24° 33' 28" S 30° 36' 28" E	
Farm 412KT (Sterkspruit) (see Farm Sterkspruit 412KT), Mogaba	24° 37' 00" S 30° 37' 00" E	
Farm 435KT (Elandsfontein) (see Bourke's Luck)	24° 39' 00" S 30° 49' 00" E	
Farm 436KT (Wakkersdal) (see Farm Wakkersdal 436KT)	24° 37' 00" S 30° 43' 00" E	
Farm 446JT (Berlin) (see Berlin, Farm 446JT)	25° 30' 48" S 30° 46' 29" E	
Farm 55JT (Kraaibosch) (see Farm Kraaibosch 55JT)	25° 10' 13" S 30° 12' 07" E	1784 m
Farm Berlin 446JT (see Berlin, Farm 446JT)	25° 30' 48" S 30° 46' 29" E	
Farm Elandsfontein 435KT (see Bourke's Luck)	24° 39' 00" S 30° 49' 00" E	
Farm Fleur de Lys 195KU (see also: Farm 195KU (Fleur de Lys), Fleur de Lys, Farm 195KU)	24° 32' 00" S 31° 01' 00" E	
Farm Hectorspruit, Barbeton (see also: Hectorspruit, Farm)	25° 26' 00" S 31° 40' 00" E	
Farm Klipfontein 407, 19 km SSE Ohhrigstad (see also: Echo caves, Farm 407 (Klipfontein), Klipfontein, Farm 407, Ohhrigstad, 19 km SSE)	24° 33' 28" S 30° 36' 28" E	
Farm Klipgat 217JT (see also: Farm 217JT (Klipgat), Klipgat, Farm 217JT)	25° 11' 00" S 30° 43' 00" E	
Farm Kraaibosch 55JT, Lydenberg (see also: Farm 55JT (Kraaibosch), Kraaibosch, Farm 55JT)	25° 10' 13" S 30° 12' 07" E	1784 m
Farm Malata (see also: Malata, Farm)	23° 59' 00" S 31° 50' 00" E	

Farm Othawo 242, 16 km N Newington (see also: Farm 242 (Othawo), Newington, 16 km N, Othawo, Farm 242, Sabie Sand Private Nature Reserve)		24° 45' 00" S 31° 26' 00" E	
Farm Sterkspruit 412KT, Mogaba (see also: Farm 412KT (Sterkspruit), Sterkspruit, Farm 412KT)		24° 37' 00" S 30° 37' 00" E	
Farm Tenbosch 112JU (see also: Farm 112JU (Tenbosch), Tenbosch, Farm 112JU)		25° 22' 35" S 31° 55' 21" E	
Farm Thankerton 175JU (see also: Farm 175JU (Thankerton), Thankerton, Farm 175JU)		25° 26' 21" S 31° 39' 27" E	
Farm Wakkersdal 436KT (see also: Farm 436KT (Wakkersdal), Wakkersdal, Farm 436KT)		24° 37' 00" S 30° 43' 00" E	
Feather River [farmstead]		25° 00' 14" S 30° 53' 40" E	1350 m
Figaro Mine, 11 km ENE Barberton (see also: Barberton, 11 km ENE)		25° 27' 00" S 31° 28' 00" E	
Fleur de Lys, Farm 195KU (see Farm Fleur de Lys 195KU)		24° 32' 00" S 31° 01' 00" E	
Hectorspruit, Nelspruit		25° 26' 00" S 31° 41' 00" E	245 m
Hectorspruit, 10 km NE (see Ten Bosch Estates)		25° 20' 00" S 31° 50' 00" E	
Hectorspruit, Farm (see Farm Hectorspruit), Barbeton		25° 26' 00" S 31° 40' 00" E	
Hoed [farmstead] (see Hoedspruit [farmstead]), Phalaborwa		24° 26' 00" S 31° 02' 00" E	
Hoedspruit [farmstead], Phalaborwa (see also: Hoed [farmstead])		24° 26' 00" S 31° 02' 00" E	
Imperial mine (see Louw's Creek), Barberton		25° 38' 00" S 31° 17' 00" E	380 m
Kaalrug		25° 36' 00" S 31° 33' 00" E	
Kaap river		25° 32' 00" S 31° 19' 00" E	
Kanaan, Hazyview, near		25° 04' 00" S 31° 06' 00" E	ca. 557 m
Klaserie Private Nature Reserve, Phalaborwa		24° 12' 00" S 31° 11' 00" E	
Klaserie-Olifant River Confluence, Phalaborwa		24° 05' 00" S 31° 14' 00" E	
Klipfontein, Farm 407 (see Farm Klipfontein 407), 19 km SSE Ohhrigstad		24° 33' 28" S 30° 36' 28" E	
Klipgat, Farm 217JT (see Farm Klipgat 217JT)		25° 11' 00" S 30° 43' 00" E	
Komatipoort, 3 mi [=4.8 km] NE (see TSD Sugar Estate No.3 Section)	ca.	25° 23' 43" S 31° 57' 04" E	
Komatipoort, 3.2 km N	ca.	25° 24' 31" S 31° 57' 17" E	
Kraaibosch, Farm 55JT (see Farm Kraaibosch 55JT)		25° 10' 13" S 30° 12' 07" E	1784 m
Kruger National Park (Mpumalanga province)		25° 03' 38" S 31° 19' 19" E	
Bangu gorge caves, 12 km E Elephants camp (see also: Elephants camp, 12 km E)		24° 05' 00" S 31° 44' 00" E	
Bangu Poort, cave near		24° 08' 28" S 31° 48' 42" E	
Crocodile bridge, 3 km N (see Gezantombi waterhole)		25° 20' 00" S 31° 52' 00" E	
Elephants camp, 12 km E (see Bangu gorge caves)		24° 07' 00" S 31° 52' 00" E	
Esweni Camp (see Nwanedzi Camp)		24° 27' 00" S 31° 58' 00" E	
Farm 87 (Tangala) (see Farm Tangala 87), NW Orpen Gate		24° 28' 00" S 31° 12' 00" E	
Farm Tangala 87, NW Orpen Gate (see also: Farm 87 (Tangala), Tangala, Farm 87)		24° 28' 00" S 31° 12' 00" E	
Gezantombi waterhole, 3 km N Crocodile bridge (see also: Crocodile bridge, 3 km N)		25° 20' 00" S 31° 52' 00" E	
Girivana cave (see also: Ngirivana cave)		24° 21' 26" S 31° 41' 26" E	
Gorge Rest Camp		23° 59' 56" S 31° 49' 24" E	
Hartbees Fontein Camp, Kingfisherspruit area		24° 23' 56" S 31° 27' 42" E	
Laer Sabie Ruskamp (see Onder-Sabie)		25° 07' 00" S 31° 55' 00" E	
Letaba-Olifants confluence, 2 km E		23° 59' 00" S 31° 50' 00" E	
Loskop Windmill, 14 km N Lower Sabie (see also: Lower Sabie, 14 km N)		24° 58' 00" S 31° 55' 00" E	
Loskop Windmill, 17 km N		24° 58' 00" S 31° 55' 00" E	
Lower Sabi Camp (see Lower Sabie Rest Camp)		25° 07' 00" S 31° 55' 00" E	
Lower Sabie (see Onder-Sabie)		25° 07' 00" S 31° 55' 00" E	
Lower Sabie Rest Camp (see Onder-Sabie) (see also: Lower Sabi Camp)		25° 07' 00" S 31° 55' 00" E	
Lower Sabie Rest Camp, 15 km SE		25° 11' 50" S 32° 02' 00" E	
Lower Sabie Ruskamp (see Onder-Sabie)		25° 07' 00" S 31° 55' 00" E	
Lower Sabie, 14 km N (see Loskop Windmill)		24° 58' 00" S 31° 55' 00" E	
Mahlangeni		23° 38' 50" S 31° 08' 47" E	
Makupana cave, Pretoriuskop	ca.	25° 09' 00" S 31° 12' 00" E	
Malalane area (see Malelane area)		25° 29' 00" S 31° 31' 00" E	
Malelane area (see also: Malalane area)		25° 29' 00" S 31° 31' 00" E	

Crocodile Bridge Rest Camp (see Krokodilburg)		25° 21' 00" S 31° 54' 00" E	
Crocodile River (see Malelane Ranger's Post, 2 km W, on N Bank Crocodile River), 2 km W Malelane Ranger's Post on N Bank		25° 29' 00" S 31° 31' 00" E	
Krokodilburg (see also: Crocodile Bridge Rest Camp)		25° 21' 00" S 31° 54' 00" E	
Malelane (see also: Malelane Estate, Malelane Old Mine Shaft)		25° 29' 00" S 31° 31' 00" E	271 m
Malelane Estate (see Malelane), Barberton district		25° 29' 00" S 31° 31' 00" E	271 m
Malelane Old Mine Shaft (see Malelane)		25° 29' 00" S 31° 31' 00" E	271 m
Malelane Ranger's Post, 2 km W, on N Bank Crocodile River (see also: Crocodile River)		25° 29' 00" S 31° 31' 00" E	
Malelane Rangers Quarters		25° 28' 38" S 31° 30' 41" E	
Malelane, 11 km ENE	ca.	25° 22' 17" S 31° 32' 55" E	
Mangadyane Koppies, near Ngirivane		24° 18' 18" S 31° 39' 42" E	
Mariebskop (see Mariepskop-Bosreserwe)		24° 35' 00" S 30° 53' 00" E	
Mariepskop (see Mariepskop-Bosreserwe)		24° 35' 00" S 30° 53' 00" E	
Mariepskop Forest (see Mariepskop-Bosreserwe)		24° 35' 00" S 30° 53' 00" E	
Mariepskop Forest Reserve (see Mariepskop-Bosreserwe)		24° 35' 00" S 30° 53' 00" E	
Mariepskop Research Station (see Mariepskop-Bosreserwe)		24° 35' 00" S 30° 53' 00" E	
Mariepskop-Bosreserwe (see also: Mariebskop, Mariepskop, Mariepskop Forest, Mariepskop Forest Reserve, Mariepskop Research Station)		24° 35' 00" S 30° 53' 00" E	
Matupa Koppie, Pretoriuskop section		25° 03' 38" S 31° 19' 19" E	
Melanie, 3 km NNE			
Mnangadyana Koppie, cave, 14 km N Orpen Gate (see also: Orpen Gate, 14 km N)		24° 21' 00" S 31° 24' 00" E	
Munywini cave	ca.	24° 47' 00" S 31° 50' 00" E	
Ngirivana cave (see Girivana cave)		24° 21' 26" S 31° 41' 26" E	
Ngwanedzi Camp (see Nwanedzi Camp)		24° 27' 00" S 31° 58' 00" E	
Nkaya Pan (see also: Nkayapan)		24° 31' 56" S 31° 45' 27" E	
Nkayapan (see Nkaya Pan)		24° 31' 56" S 31° 45' 27" E	
Ntswiriri Dam, Tshokwane area (see also: Tswiriri Dam)		24° 51' 43" S 31° 37' 38" E	
Nwanedsi-ruskamp (see Nwanedzi Camp)		24° 27' 00" S 31° 58' 00" E	
Nwanedzi Camp (see also: Esweni Camp, Ngwanedzi Camp, Nwanedsi-ruskamp)		24° 27' 00" S 31° 58' 00" E	
Nwanedzi Camp, dam 1 km NWN		24° 27' 00" S 31° 58' 00" E	
Nwanedzi River, old bridge over, 8 km E Satara		24° 24' 00" S 31° 50' 00" E	
Nwanedzi, 3 km SE		24° 28' 00" S 31° 59' 00" E	
Nwanetzi, 1 km N		24° 27' 00" S 31° 58' 00" E	
Nwaswitshaka [intermittent stream]		25° 01' 00" S 31° 34' 00" E	
N'Waswitshaka Experimental Burn Plots		25° 04' 48" S 31° 22' 54" E	
Old Bridge Nwanedzir	ca.	24° 23' 00" S 31° 47' 00" E	
Olifants Camp, 7 km W (see also: Olifants Rest Camp, 7 km W)		24° 01' 00" S 31° 39' 00" E	
Olifants Rest Camp, 7 km W (see Olifants Camp, 7 km W)		24° 01' 00" S 31° 39' 00" E	
Olifants, 7 km W			
Onder-Sabie (see also: Laer Sabie Ruskamp, Lower Sabie, Lower Sabie Rest Camp, Lower Sabie Ruskamp , Onder-Sabie Ruskamp)		25° 07' 00" S 31° 55' 00" E	
Onder-Sabie Ruskamp (see Onder-Sabie)		25° 07' 00" S 31° 55' 00" E	
Orpan, 14 km N (see Orpen, 14 km N)	ca.	24° 34' 42" S 31° 53' 46" E	
Orpen Gate, 14 km N (see Mnangadyana Koppie, cave)		24° 21' 00" S 31° 24' 00" E	
Orpen, 14 km N (see also: Orpan, 14 km N)	ca.	24° 34' 42" S 31° 53' 46" E	
Pafuri area (II)		22° 27' 00" S 31° 18' 00" E	
Pafuri area (III)		22° 24' 10" S 31° 15' 13" E	
Roodevaal Private Camp, 2 km SE (see also: Roodeval Camp, 2 km SE, Roodewal private camp, 2 km SE)		24° 08' 00" S 31° 36' 00" E	
Roodeval Camp, 2 km SE (see Roodevaal Private Camp, 2 km SE)		25° 30' 00" S 26° 34' 00" E	
Roodewal private camp, 2 km SE (see Roodevaal Private Camp, 2 km SE)		24° 08' 00" S 31° 36' 00" E	
Satara (see Satara Ruskamp)		24° 23' 52" S 31° 46' 42" E	

Satara area	ca.	24° 23' 00" S 31° 47' 00" E	
Nsemani Windmill		24° 23' 36" S 31° 42' 54" E	
N'Wanetsi Gorge		24° 27' 13" S 31° 58' 54" E	
Satara Rest Camp (see Satara Ruskamp)		24° 23' 52" S 31° 46' 42" E	
Satara Ruskamp (see also: Satara, Satara Rest Camp)		24° 23' 52" S 31° 46' 42" E	
Satara, 8 km E, old bridge over Nwanedzi River		24° 24' 00" S 31° 50' 00" E	
Shilouwan (see Shilowa), 40 km S Shingwidzi		23° 27' 00" S 31° 33' 00" E	397 m
Shilowa, 40 km S Shingwidzi (see also: Shilouwan, Shingwidzi, 40 km S)		23° 27' 00" S 31° 33' 00" E	397 m
Shingwidzi, 40 km S (see Shilowa)		23° 27' 00" S 31° 33' 00" E	397 m
Skukuza area		24° 59' 00" S 31° 35' 00" E	
Komatipoort, 62 km SE Skukuza (see also: Skukuza, 62 km SE)		25° 26' 00" S 31° 56' 00" E	137 m
Kruger Gate bridge, 12 km W Skukuza (see also: Skukuza, 12 km W)		24° 58' 48" S 31° 29' 00" E	
Renosterkoppies, 15 km S Skukuza (see also: Rhenosterkoppies, Skukuza, 15 km S)		25° 07' 37" S 31° 36' 06" E	
Rhenosterkoppies (see Renosterkoppies), 15 km S Skukuza		25° 07' 37" S 31° 36' 06" E	
Sabie River, Skukuza camp		24° 57' 00" S 31° 38' 00" E	
Sabie river bank, 8 km NE Skukuza (see also: Skukuza, 8 km NE)		24° 58' 03" S 31° 40' 12" E	
Sabie River, lower	ca.	24° 57' 00" S 31° 38' 00" E	
Sabie River, north bank, 3 km NNE Skukuza (see also: Skukuza, 3 km NNE)		24° 59' 07" S 31° 37' 18" E	
Sabie River, Staff Picnic site, Skukuza		24° 59' 00" S 31° 35' 00" E	
Shirimantanga, 5.5 mi SE Skukuza (see also: Skukuza Kop, Skukuza Koppies, Skukuza, 5.5 mi [=8.8 km] SE)		25° 06' 00" S 31° 36' 00" E	
Skukuza (see also: Skukuza Camp, Skukuza lab buildings, Skukuza Staff Picnic Site, Skukuza Staff village, Skukuza Town, Skukuza Township, Skukuza Village)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Camp (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza dam, at golf course		24° 59' 05" S 31° 34' 38" E	
Skukuza Kop (see Shirimantanga), 5.5 mi SE Skukuza		25° 06' 00" S 31° 36' 00" E	
Skukuza Koppies (see Shirimantanga), 5.5 mi SE Skukuza		25° 06' 00" S 31° 36' 00" E	
Skukuza lab buildings (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Staff Picnic Site (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Staff village (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Town (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Township (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Village (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza, 1.5 km NW, Dense woodland upper reaches of Western Water Reservoir		24° 59' 50" S 31° 36' 21" E	
Skukuza, 12 km W (see Kruger Gate bridge)		24° 58' 48" S 31° 29' 00" E	
Skukuza, 15 km S (see Renosterkoppies)		25° 07' 37" S 31° 36' 06" E	
Skukuza, 3 km NNE (see Sabie River, north bank)		24° 59' 07" S 31° 37' 18" E	
Skukuza, 5.5 mi [=8.8 km] SE (see Shirimantanga)		25° 06' 00" S 31° 36' 00" E	
Skukuza, 62 km SE (see Komatipoort)		25° 26' 00" S 31° 56' 00" E	137 m
Skukuza, 7 km E, on Sabie river		24° 58' 20" S 31° 39' 43" E	
Skukuza, 8 km NE (see Sabie river bank)		24° 58' 03" S 31° 40' 12" E	
Skukuza, river bank rondawels		24° 59' 41" S 31° 35' 25" E	
Staff Picnic site, Skukuza		24° 58' 30" S 31° 40' 00" E	
Staff village, Skukuza		24° 59' 00" S 31° 35' 00" E	
Xirimantanga		25° 06' 24" S 31° 35' 42" E	
Stoltzneck dam (see Stoltznek Dam)		25° 22' 00" S 31° 22' 00" E	
Stoltzneck Ranger's Post (see also: Stolznek house)		25° 22' 00" S 31° 22' 00" E	
Stoltznek Dam (see also: Stoltzneck dam)		25° 22' 00" S 31° 22' 00" E	
Stolznek house (see Stoltzneck Ranger's Post)		25° 20' 00" S 31° 20' 00" E	
Tangala, Farm 87 (see Farm Tangala 87), NW Orpen Gate		24° 28' 00" S 31° 12' 00" E	
Tshokwana (see Tshokwane [farmstead])		24° 47' 06" S 31° 51' 29" E	
Tshokwane		24° 46' 35" S 31° 51' 21" E	
Tshokwane [farmstead] (see also: Tshokwana, Tshokwani)		24° 47' 06" S 31° 51' 29" E	
Tshokwane Picnic Site		24° 47' 11" S 31° 51' 31" E	
Tshokwane Picnic spot, 12 km E		24° 47' 01" S 31° 58' 43" E	
Tshokwane, 10 km S, on Skukuza - Tshokwane road		24° 52' 00" S 31° 47' 00" E	

Tshokwani (see Tshokwane [farmstead])		24° 47' 06" S 31° 51' 29" E	
Tswiriri Dam (see Ntswiriri Dam)		24° 51' 43" S 31° 37' 38" E	
WNLA Dam, 1 km N Nwanetzi Camp		24° 27' 00" S 31° 58' 00" E	
Xinkelengane stream, N'Wanetsi section		24° 14' 46" S 31° 55' 46" E	
Xixengendzini road, Ngandyana Stream		24° 43' 25" S 31° 58' 38" E	
Legogoto (see eLegogoto, mountain), Nelspruit		25° 14' 00" S 31° 05' 00" E	
Lionspruit		25° 22' 18" S 31° 46' 55" E	
Marloth Park (see also: Nkomazi Municipality complex, approx 1.5 km NNW, Nkomazi Municipality Park)		25° 22' 00" S 31° 47' 00" E	210 m
Nkomazi Municipality complex, approx 1.5 km NNW (see Marloth Park)		25° 22' 00" S 31° 47' 00" E	210 m
Nkomazi Municipality Park (see Marloth Park)		25° 22' 00" S 31° 47' 00" E	210 m
Logogoto (see eLegogoto, mountain), Nelspruit		25° 14' 00" S 31° 05' 00" E	
Logogotu (see eLegogoto, mountain), Nelspruit		25° 14' 00" S 31° 05' 00" E	
Londolozi Game Reserve, near Kruger National Park		24° 47' 51" S 31° 29' 56" E	
Farm Sparta (see also: Sparta, Farm)		24° 48' 00" S 31° 30' 00" E	
Sparta, Farm (see Farm Sparta)		24° 48' 00" S 31° 30' 00" E	
Louw's Creek, Barberton (see also: Imperial mine, Lowes Creek)		25° 38' 00" S 31° 17' 00" E	380 m
Lowes Creek (see Louw's Creek), Barberton		25° 38' 00" S 31° 17' 00" E	380 m
Lugogodo (see eLegogoto, mountain), Nelspruit		25° 14' 00" S 31° 05' 00" E	
Lydenburg, 80 km ENE	ca.	24° 49' 00" S 30° 11' 00" E	ca. 539 m
Makalali Farm, Gazankulu		24° 09' 00" S 30° 42' 00" E	
Malata, Farm (see Farm Malata)		23° 59' 00" S 31° 50' 00" E	
Malelane, 7 mi [=11 km] SW	ca.	25° 33' 17" S 31° 28' 08" E	
Manyeleti Game Reserve (see Manyeletiwildtuin), Gazankulu		24° 37' 48" S 31° 37' 48" E	
Manyeletiwildtuin, Gazankulu (see also: Manyeleti Game Reserve)		24° 37' 48" S 31° 37' 48" E	
Albatros (see Albatross), Gazankulu		24° 31' 00" S 31° 25' 00" E	
Albatross, Gazankulu (see also: Albatros)		24° 31' 00" S 31° 25' 00" E	
Farm Hermitage, Phalaborwa (see also: Hermitage Farm, Hermitagie camp)		24° 34' 00" S 31° 24' 00" E	
Hermitage Farm (see Farm Hermitage), Phalaborwa		24° 34' 00" S 31° 24' 00" E	
Hermitagie camp (see Farm Hermitage), Phalaborwa		24° 34' 00" S 31° 24' 00" E	
Main Camp, Gazankulu		24° 38' 00" S 31° 28' 00" E	
Mathae Ranch, 22 mi [=35 km] E Mica (see also: Mica, 22 mi [=35 km] E)		24° 08' 03" S 31° 07' 08" E	3000 ft
Mayo, 20 km W Nelspruit (see also: Nelspruit, 20 km W)		25° 22' 12" S 30° 44' 24" E	1015 m
Mica, 22 mi [=35 km] E (see Mathae Ranch)		24° 08' 03" S 31° 07' 08" E	3000 ft
Mount eLegogoto (see eLegogoto, mountain), Nelspruit		25° 14' 00" S 31° 05' 00" E	
Mountainland Nature Reserve, Umjindi municipality, Barberton, 68 km SE Sudwala		25° 45' 14" S 31° 06' 51" E	741 m
Mpumalanga		24° 53' 17" S 30° 48' 21" E	
Komati River		25° 26' 00" S 31° 57' 00" E	
Nelspruit, 19 km SE (see Uitkyk and Paranie Private Nature Reserve)		25° 36' 00" S 31° 06' 00" E	
Nelspruit, 20 km W (see Mayo)		25° 22' 12" S 30° 44' 24" E	1015 m
Newington		24° 49' 00" S 31° 17' 00" E	487 m
Newington, 11 km N		24° 48' 00" S 31° 17' 00" E	
Newington, 16 km N (see Farm Othawo 242)		24° 45' 00" S 31° 26' 00" E	
Newington, 3 mi [=4.8 km] WNW	ca.	24° 46' 34" S 31° 14' 57" E	
Newington, 7 mi [=11.3 km] N		24° 45' 00" S 31° 25' 00" E	
Newinngton, 11 km N (see Acornhoek)		24° 35' 00" S 31° 05' 00" E	594 m
Ngwenya Lodge, 11 km NW Komatipoort		25° 22' 37" S 31° 51' 32" E	
Ohhrigstad, 19 km SSE (see Farm Klipfontein 407)		24° 33' 28" S 30° 36' 28" E	
Othawo, Farm 242 (see Farm Othawo 242), 16 km N Newington		24° 45' 00" S 31° 26' 00" E	
Pretorius Kop Rest Camp (see Pretoriuskop)		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop (see also: Pretorius Kop Rest Camp, Pretoriuskop Rest Camp, Pretoriuskop Ruskamp)		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop Rest Camp (see Pretoriuskop)		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop Ruskamp (see Pretoriuskop)		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop section		25° 03' 38" S 31° 19' 19" E	
Ranshas Ld		25° 20' 00" S 30° 20' 00" E	
Renosterkoppies, 15 km S, Witrivier		25° 08' 00" S 31° 37' 00" E	
Sabie Sand Private Nature Reserve (see Farm Othawo 242), 16 km N Newington		24° 45' 00" S 31° 26' 00" E	

Sanbonani, Hazyview		25° 01' 54" S 31° 09' 31" E	
Sabi & White Sands rivers confluence, Hazyview		25° 01' 26" S 31° 10' 01" E	
Sterkspruit, Farm 412KT (see Farm Sterkspruit 412KT), Mogaba		24° 37' 00" S 30° 37' 00" E	
Ten Bosch Estates, 10 km NE Hectorspruit (see also: Hectorspruit, 10 km NE)		25° 20' 00" S 31° 50' 00" E	
Tenbosch, Farm 112JU (see Farm Tenbosch 112JU)		25° 22' 35" S 31° 55' 21" E	
Thankerton, Farm 175JU (see Farm Thankerton 175JU)		25° 26' 21" S 31° 39' 27" E	
TSD Sugar Estate No.3 Section, 3 mi NE Komatipoort (see also: Komatipoort, 3 mi [=4.8 km] NE)	ca.	25° 23' 43" S 31° 57' 04" E	
Uitkyk and Paranie Private Nature Reserve, 19 km SE Nelspruit (see also: Nelspruit, 19 km SE)		25° 36' 00" S 31° 06' 00" E	
Umhlumi, Barberton District		25° 49' 00" S 31° 07' 00" E	
Umhlumna (see Barberton)		25° 47' 00" S 31° 03' 00" E	786 m
Verloren Valei Nature Reserve		28° 16' 40" S 30° 05' 56" E	
Wakkersdal, Farm 436KT (see Farm Wakkersdal 436KT)		24° 37' 00" S 30° 43' 00" E	
Witrivier, 11 mi [=17.7 km] W		25° 18' 00" S 31° 03' 00" E	
Gert Sibande district			
Amsterdam, 2 km NE (see Farm Tweepoort 404)		26° 36' 00" S 30° 43' 00" E	
Badfontein, Farm 114JT (see Farm Badfontein 114JT), Kwena		25° 17' 30" S 30° 23' 16" E	
Badplaas (see also: Badplaats, Die Bad)		25° 57' 10" S 30° 34' 00" E	1058 m
Badplaats (see Badplaas)		25° 57' 10" S 30° 34' 00" E	1058 m
Barberton, 10.4 km NNE (see Chambaire Nursery)		25° 42' 11" S 30° 58' 39" E	675 m
Barberton, 14 km NW		25° 47' 00" S 30° 54' 00" E	
Barberton, 14 mi [=22 km] W	ca.	25° 47' 00" S 30° 54' 00" E	
Barberton, 2 mi [=3.2 km] SW	ca.	25° 47' 00" S 30° 54' 00" E	
Belfast Town		25° 41' 00" S 30° 20' 00" E	
Berg-en-Dal		25° 44' 38" S 30° 05' 38" E	1810 m
Buffalo mine, Barberton		25° 46' 00" S 31° 03' 00" E	
Buffelskloof Private Nature Reserve (see Farm Uitkyk 264JT)		25° 18' 00" S 30° 30' 00" E	
Carolina		26° 04' 09" S 30° 06' 54" E	1788 m
Chambaire Nursery, 10.4 km NNE Barberton (see also: Barberton, 10.4 km NNE)		25° 42' 11" S 30° 58' 39" E	675 m
Cinnabar mine		25° 48' 36" S 31° 00' 36" E	
Die Bad (see Badplaas)		25° 57' 10" S 30° 34' 00" E	1058 m
Dullstroom Town		25° 25' 00" S 30° 07' 00" E	1964 m
Elandsklip, P.K. Santa, Belfast		25° 20' 00" S 30° 10' 00" E	
Ermelo		26° 31' 00" S 29° 59' 00" E	1700 m
Fairview mine, Barberton		25° 43' 12" S 31° 06' 45" E	
Farm 114JT (Badfontein) (see Farm Badfontein 114JT), Kwena		25° 17' 30" S 30° 23' 16" E	
Farm 124 (Groot Suikerboschkop) (see Farm Groot Suikerboschkop 124), Dullstroom		25° 24' 36" S 30° 06' 00" E	
Farm 124 (Grootsuikerboschkop) (see Farm Groot Suikerboschkop 124), Dullstroom		25° 24' 36" S 30° 06' 00" E	
Farm 164JT (In-de-Diepte) (see Farm In-de-Diepte 164JT)		25° 43' 00" S 30° 01' 00" E	
Farm 18IT (Victoriaspoort) (see Farm Victoriaspoort 18IT)		26° 02' 00" S 30° 19' 00" E	
Farm 264JT (Uitkyk) (see Farm Uitkyk 264JT)		25° 18' 00" S 30° 30' 00" E	
Farm 271JT (Sudwalaskraal) (see Farm Sudwalaskraal 271JT)		25° 22' 00" S 30° 37' 00" E	
Farm 33JT (Sterkspruit) (see Farm Sterkspruit 33JT), Lydenberg		25° 06' 50" S 30° 28' 50" E	1450 m
Farm 386 (Roodepoort) (see Farm Roodepoort 386), 15 km E Standerton		26° 54' 00" S 29° 22' 00" E	
Farm 404 (Tweepoort) (see Farm Tweepoort 404), 2 km NE Amsterdam		26° 36' 00" S 30° 43' 00" E	
Farm 544JT (Onverwacht) (see Farm Onverwacht 544JT), Sjonajona		25° 45' 38" S 30° 42' 05" E	
Farm Badfontein 114JT, Kwena (see also: Badfontein, Farm 114JT, Farm 114JT (Badfontein), Kwena)		25° 17' 30" S 30° 23' 16" E	
Farm Groot Suikerboschkop 124, Dullstroom (see also: Farm 124 (Groot Suikerboschkop), Farm 124 (Grootsuikerboschkop), Farm Grootsuikerboschkop 124, Groot Suikerboschkop, Farm 124, Grootsuikerboschkop, Farm 124)		25° 24' 36" S 30° 06' 00" E	

Farm Grootsuikerboschkop 124 (see Farm Groot Suikerboschkop 124), Dullstroom		25° 24' 36" S 30° 06' 00" E	
Farm In-de-Diepte 164JT (see also: Farm 164JT (In-de-Diepte), In-de-Diepte, Farm 164JT)		25° 43' 00" S 30° 01' 00" E	
Farm Onverwacht 544JT, Sjonajona (see also: Farm 544JT (Onverwacht), Onverwacht, Farm 544JT)		25° 45' 38" S 30° 42' 05" E	
Farm Rietfontein, Middleburg (see also: Rietfontein, Farm)		25° 53' 00" S 29° 23' 00" E	
Farm Roodekopjes, Amersfoort Dist. (see also: Roodekopjes, Farm)		27° 03' 00" S 29° 48' 00" E	
Farm Roodepoort 386, 15 km E Standerton (see also: Farm 386 (Roodepoort), Roodepoort; Farm 386, Standerton, 15 km E)		26° 54' 00" S 29° 22' 00" E	
Farm Rotspruit (see Farm Rolspruit 127), 7 km E Leslie		26° 24' 00" S 29° 00' 00" E	
Farm Sterkspruit 33JT, Lydenberg (see also: Farm 33JT (Sterkspruit), Lydenberg Fisheries, Lydenberg Vissery, Lydenburg Fisheries, Sterkspruit, Farm 33JT)		25° 06' 50" S 30° 28' 50" E	1450 m
Farm Sudwalaskraal 271JT (see also: Farm 271JT (Sudwalaskraal), Sudwalaskraal, Farm 271JT)		25° 22' 00" S 30° 37' 00" E	
Farm Tweepoort 404, 2 km NE Amsterdam (see also: Amsterdam, 2 km NE, Farm 404 (Tweepoort), Tweepoort, Farm 404)		26° 36' 00" S 30° 43' 00" E	
Farm Uitkyk 264JT (see also: Buffelskloof Private Nature Reserve, Farm 264JT (Uitkyk), Uitkyk, Farm 264JT)		25° 18' 00" S 30° 30' 00" E	
Farm Victoriaspoort 18IT (see also: Farm 18IT (Victoriaspoort), Kalkoenkrans Cave, Victoriaspoort, Farm 18IT)		26° 02' 00" S 30° 19' 00" E	
Farm Waterval, Machadadorp (see also: Third Mine Tunnel, Waterval, Farm)		25° 52' 30" S 30° 18' 10" E	
Farm Wonderfontein, 48 km E Middelburg (see also: Middelberg, 48 km E, Middelburg, 48 km E, River cave, Wonderfontein, Farm)		25° 50' 00" S 29° 55' 00" E	
Farms Grootsuikerboschkop & Elandslaagte, Dullstroom (see also: Grootsuikerboschkop, Farm & Elandslaagte, Farm)	ca.	25° 24' 00" S 30° 06' 00" E	
Folderia, Ermerlo		26° 31' 00" S 29° 59' 00" E	
Groot Suikerboschkop, Farm 124 (see Farm Groot Suikerboschkop 124), Dullstroom		25° 24' 36" S 30° 06' 00" E	
Grootsuikerboschkop, Farm & Elandslaagte, Farm (see Farms Grootsuikerboschkop & Elandslaagte), Dullstroom	ca.	25° 24' 00" S 30° 06' 00" E	
Grootsuikerboschkop, Farm 124 (see Farm Groot Suikerboschkop 124), Dullstroom		25° 24' 36" S 30° 06' 00" E	
In-de-Diepte, Farm 164JT (see Farm In-de-Diepte 164JT)		25° 43' 00" S 30° 01' 00" E	
Kaapse Hoop, Farm Drysdale		25° 33' 00" S 30° 46' 00" E	
Kalkoenkrans Cave (see Farm Victoriaspoort 18IT)		26° 02' 00" S 30° 19' 00" E	
Kastrol Nek (see Kastrolnek), Wakkerstroom		27° 17' 00" S 30° 17' 00" E	
Kastrolnek, Wakkerstroom (see also: Kastrol Nek)		27° 17' 00" S 30° 17' 00" E	
Kwena (see Farm Badfontein 114JT)		25° 17' 30" S 30° 23' 16" E	
Lydenberg Fisheries (see Farm Sterkspruit 33JT)		25° 06' 50" S 30° 28' 50" E	1450 m
Lydenberg Vissery (see Farm Sterkspruit 33JT)		25° 06' 50" S 30° 28' 50" E	1450 m
Lydenburg Fisheries (see Farm Sterkspruit 33JT), Lydenberg		25° 06' 50" S 30° 28' 50" E	1450 m
Middelberg, 48 km E (see Farm Wonderfontein)		25° 50' 00" S 29° 55' 00" E	
Middelburg, 48 km E (see Farm Wonderfontein)		25° 50' 00" S 29° 55' 00" E	
Nelspruit		25° 28' 00" S 30° 58' 00" E	676 m
Nelspruit, 32 km NW		25° 30' 00" S 31° 00' 00" E	
Nelspruit, 4 mi [=6.4 km] E, 2 mi [=3.2 km] S		25° 29' 00" S 30° 59' 00" E	
Nelspruit, near		25° 28' 00" S 30° 59' 00" E	
Ngodwena		25° 37' 00" S 30° 37' 00" E	
Onverwacht, Farm 544JT (see Farm Onverwacht 544JT), Sjonajona		25° 45' 38" S 30° 42' 05" E	
Piet Retief		27° 00' 00" S 30° 48' 00" E	1300 m
Rietfontein, Farm (see Farm Rietfontein), Middleburg		25° 53' 00" S 29° 23' 00" E	
River cave (see Farm Wonderfontein), 48 km E Middelberg		25° 50' 00" S 29° 55' 00" E	

Roodekopjes, Farm (see Farm Roodekopjes), Amersfoort Dist.		27° 03' 00" S 29° 48' 00" E	
Roodepoort; Farm 386 (see Farm Roodepoort 386), 15 km E Standerton		26° 54' 00" S 29° 22' 00" E	
Rotspruit, Farm (see Farm Rolspruit 127), 7 km E Leslie		26° 24' 00" S 29° 00' 00" E	
Sabie (see also: Sabie Forest Rest Area)		25° 06' 00" S 30° 48' 00" E	
Sabie Forest Rest Area (see Sabie)		25° 08' 00" S 30° 39' 00" E	
Standerton, 15 km E (see Farm Roodepoort 386)		26° 54' 00" S 29° 22' 00" E	
Sterkspruit, Farm 33JT (see Farm Sterkspruit 33JT), Lydenberg		25° 06' 50" S 30° 28' 50" E	1450 m
Steynsdorp		26° 08' 00" S 30° 59' 00" E	863 m
Sudwalaskraal, Farm 271JT (see Farm Sudwalaskraal 271JT)		25° 22' 00" S 30° 37' 00" E	
Third Mine Tunnel (see Farm Waterval)		25° 52' 11" S 30° 19' 19" E	
Tweepoort, Farm 404 (see Farm Tweepoort 404), 2 km NE Amsterdam		26° 36' 00" S 30° 43' 00" E	
Uitkyk, Farm 264JT (see Farm Uitkyk 264JT)		25° 18' 00" S 30° 30' 00" E	
Victoriaspoort, Farm 18IT (see Farm Victoriaspoort 18IT)		26° 02' 00" S 30° 19' 00" E	
Vygeboom Dam, Albert Luthuli Municipality, Kafferskraal 618 JT		25° 52' 09" S 30° 35' 40" E	1067 m
Wakkerstroom		27° 21' 00" S 30° 08' 00" E	1729 m
Waterval, Farm (see Farm Waterval), Machadadorp		25° 52' 30" S 30° 18' 10" E	
Wonderfontein, Farm (see Farm Wonderfontein), 48 km E Middelburg		25° 50' 00" S 29° 55' 00" E	
Inkomati River, Kangwane		25° 50' 00" S 32° 45' 00" E	
Malelane, 18 km S (see Schoemans Farm "Laughing Waters")	ca.	25° 39' 05" S 31° 32' 45" E	
Ngwenya, Komatipoort		25° 22' 12" S 31° 51' 36" E	
Nkangala district			
Blaauwbank, Farm 168JS (see Farm Blaauwbank 168JS), Groblersdal, E		25° 19' 00" S 29° 47' 00" E	
De Hoop Private Nature Reserve		24° 57' 00" S 29° 57' 00" E	
De Kafferskraal, Farm 53JT (see Farm De Kafferskraal 53JT)		25° 10' 57" S 30° 08' 52" E	
Farm 168JS (Blaauwbank) (see Farm Blaauwbank 168JS), Groblersdal, E		25° 19' 00" S 29° 47' 00" E	
Farm 360JS (Skoongesig) (see Farm Skoongesig 360JS), Languitsig		25° 37' 00" S 29° 52' 00" E	
Farm 447JR (Zusterstroom) (see Farm Zusterstroom 447JR)		25° 35' 00" S 29° 00' 00" E	
Farm 495JR (Sterkfontein) (see Telperion Nature Reserve)		25° 42' 41" S 29° 01' 03" E	
Farm 53JT (De Kafferskraal) (see Farm De Kafferskraal 53JT)		25° 10' 57" S 30° 08' 52" E	
Farm 67JT (Klipsteen) (see Farm Klipsteen 67JT)		25° 13' 25" S 30° 18' 12" E	
Farm 80JS (Vergelegen) (see Farm Vergelegen 80JS)		25° 26' 00" S 29° 23' 00" E	
Farm Blaauwbank 168JS, Groblersdal, E (see also: Blaauwbank, Farm 168JS, Farm 168JS (Blaauwbank))		25° 19' 00" S 29° 47' 00" E	
Farm De Kafferskraal 53JT (see also: De Kafferskraal, Farm 53JT, Farm 53JT (De Kafferskraal))		25° 10' 57" S 30° 08' 52" E	
Farm Klipsteen 67JT (see also: Farm 67JT (Klipsteen), Klipsteen, Farm 67JT)		25° 13' 25" S 30° 18' 12" E	
Farm Skoongesig 360JS, Languitsig (see also: Farm 360JS (Skoongesig), Skoongesig, Farm 360JS)		25° 37' 00" S 29° 52' 00" E	
Farm Sterkfontein 495JR (see Telperion Nature Reserve)		25° 42' 41" S 29° 01' 03" E	
Farm Vergelegen 80JS (see also: Farm 80JS (Vergelegen), Loskop Dam Wall Inspection Tunnel, Vergelegen, Farm 80JS)		25° 26' 00" S 29° 23' 00" E	
Farm Zusterstroom 447JR (see also: Farm 447JR (Zusterstroom), Zusterstroom, Farm 447JR)		25° 35' 00" S 29° 00' 00" E	
Jane Furse Hospital, Middleburg		25° 52' 00" S 29° 23' 00" E	
Klipsteen, Farm 67JT (see Farm Klipsteen 67JT)		25° 13' 25" S 30° 18' 12" E	
Loskop (see Loskopdam Natuurreservaat), Witbank		25° 26' 00" S 29° 18' 00" E	
Loskop Dam (see Loskopdam Natuurreservaat), Witbank		25° 26' 00" S 29° 18' 00" E	

Loskop Dam Nature Reserve (see Loskopdam Natuurreservaat), Witbank		25° 26' 00" S 29° 18' 00" E	
Loskop Dam Wall Inspection Tunnel (see Farm Vergelegen 80JS)		25° 26' 00" S 29° 23' 00" E	
Loskopdam Nature Reserve (see Loskopdam Natuurreservaat)		25° 26' 00" S 29° 18' 00" E	
Loskopdam Natuurreservaat, Witbank (see also: Loskop, Loskop Dam, Loskop Dam Nature Reserve, Loskopdam Nature Reserve, Loskopdam Natuurreserwe)		25° 26' 00" S 29° 18' 00" E	
Loskopdam Natuurreserwe (see Loskopdam Natuurreservaat), Witbank		25° 26' 00" S 29° 18' 00" E	
Luipershoek, Roosenekal, near		25° 08' 00" S 29° 50' 00" E	
Lydenburg, Lydenburg (see also: Lydenburg Krantz)		25° 06' 00" S 30° 27' 00" E	1363 m
Lydenburg Krantz (see Lydenburg), Lydenburg		25° 06' 00" S 30° 27' 00" E	
Miggiesgat cave (see Sudwala Cave), Nelspruit		25° 22' 00" S 30° 42' 00" E	845 m
Muggiesgat cave (see Sudwala Cave)		25° 22' 00" S 30° 42' 00" E	845 m
Nelspruit, 40 km W (see Sudwala Mines)		25° 23' 24" S 30° 40' 48" E	902 m
Skoongesig, Farm 360JS (see Farm Skoongesig 360JS), Languitsig		25° 37' 00" S 29° 52' 00" E	
Starkfontein, Farm 495JR (see Telperion Nature Reserve)		25° 42' 41" S 29° 01' 03" E	
Sudwala Cave, Nelspruit (see also: Miggiesgat cave, Muggiesgat cave, Sudwala Cave area, Sudwalagrotte)		25° 22' 00" S 30° 42' 00" E	845 m
Sudwala Cave area (see Sudwala Cave), Nelspruit		25° 22' 00" S 30° 42' 00" E	845 m
Sudwala Mine 2, Nelspruit		25° 22' 00" S 30° 37' 00" E	
Sudwala Mines, 40 km W Nelspruit (see also: Nelspruit, 40 km W)		25° 23' 24" S 30° 40' 48" E	902 m
Sudwalagrotte (see Sudwala Cave), Nelspruit		25° 22' 00" S 30° 42' 00" E	845 m
Sycamore Station, 10 mi NE Waterval Onder (see also: Waterval Onder, 10 mi [=16 km] NE)		25° 36' 00" S 30° 26' 00" E	
Telperion Nature Reserve (see also: Farm 495JR (Sterkfontein), Farm Sterkfontein 495JR, Starkfontein, Farm 495JR)		25° 42' 41" S 29° 01' 03" E	
Vergelegen, Farm 80JS (see Farm Vergelegen 80JS)		25° 26' 00" S 29° 23' 00" E	
Waterval Onder, 10 mi [=16 km] NE (see Sycamore Station)		25° 36' 00" S 30° 26' 00" E	
Zusterstroom, Farm 447JR (see Farm Zusterstroom 447JR)		25° 35' 00" S 29° 00' 00" E	
Schoemans Farm "Laughing Waters", 18 km S Malelane (see also: Malelane, 18 km S)	ca.	25° 39' 05" S 31° 32' 45" E	
Songimvelo Nature Reserve, Berberton mountains		26° 00' 25" S 30° 55' 20" E	2800 m
The Downs [10 locs]			
Waterval			
Mqanduli (see also: Mganduli, Moanduli)		31° 49' 00" S 28° 45' 00" E	682 m
Nooitgedacht, Farm (see Farm Nooitgedacht)		22° 56' 00" S 29° 58' 00" E	614 m
Northern Cape province			
Danielskuil		28° 11' 04" S 23° 31' 48" E	1478 m
Danielskuil, 10km N		28° 05' 52" S 23° 32' 21" E	
Frances Baard district			
Andalusia (see Jan Kempdorp), Agriculture station		27° 55' 00" S 24° 51' 00" E	
Bellsbank (see Bellsbank Estates), 47 km W Warrenton		28° 08' 00" S 24° 24' 00" E	
Bellsbank Estates, 47 km W Warrenton (see also: Bellsbank, Warrenton, 47 km W)		28° 08' 00" S 24° 24' 00" E	
Farm Grootfontein, 9 (or 19?) km SW Reivilo (see also: Grootfontein, Farm, Reivilo, 9 (or 19?) km SW)		27° 39' 00" S 24° 00' 00" E	
Grootfontein, Farm (see Farm Grootfontein), 9 (or 19?) km SW Reivilo		27° 39' 00" S 24° 00' 00" E	
Hartswater		27° 46' 00" S 24° 49' 00" E	1124 m
Jan Kemp (see Jan Kempdorp), Agriculture station		27° 55' 00" S 24° 51' 00" E	
Jan Kempdorp, Agriculture station (see also: Andalusia, Jan Kemp, Jankempdorp)		27° 55' 00" S 24° 51' 00" E	
Jankempdorp (see Jan Kempdorp), Agriculture station		27° 55' 00" S 24° 51' 00" E	
Kimberley		28° 48' 00" S 24° 46' 00" E	
Reivilo, 9 (or 19?) km SW (see Farm Grootfontein)		27° 39' 00" S 24° 00' 00" E	
Warrenton, 47 km W (see Bellsbank Estates)		28° 08' 00" S 24° 24' 00" E	
Gaamsberg (see Gams se Berg)		29° 14' 40" S 18° 58' 23" E	
Gamberg (see Gams se Berg)		29° 14' 40" S 18° 58' 23" E	

Gams se Berg (see also: Gaamsberg, Gamberg, Gamsberg)		29° 14' 40" S 18° 58' 23" E	
Gamsberg (see Gams se Berg)		29° 14' 40" S 18° 58' 23" E	
Kgalagadi district			
Farm Woodstock, 11 km SW Kuruman (see also: Kuruman, 11 km SW, Woodstock, Farm)		27° 34' 00" S 23° 24' 00" E	
Kuruman		27° 27' 00" S 23° 26' 00" E	1327 m
Kuruman, Municipal Bird Sanctuary		27° 26' 41" S 23° 25' 31" E	1314 m
Kuruman, 11 km SW (see Farm Woodstock)		27° 34' 00" S 23° 24' 00" E	
Kuruman, 3 mi [=4.8 km] E	ca.	27° 27' 00" S 23° 26' 00" E	
Woodstock, Farm (see Farm Woodstock), 11 km SW Kuruman		27° 34' 00" S 23° 24' 00" E	
Kuruman		27° 27' 00" S 23° 25' 00" E	
Middelburg			
Namakwa district			
Alexander Bay, 36.2 km N, 47.5 km E (see Richtersveld)		28° 17' 29" S 16° 58' 13" E	480 m
Augrabies Wes, Farm 153 (see Farm Oograbies West 153)		29° 12' 00" S 17° 05' 00" E	
Bitterfontein, 10 km NNE (see Farm Kersbos)		30° 57' 00" S 18° 12' 00" E	
Calvinia, 54 mi [=87 km] E (see Farm Gouna)		31° 32' 16" S 203° 29' 09" E	3600 ft
Calvinia, 6 mi [=9.6 km] E (see Farm Onder-Downes)		31° 31' 06" S 19° 31' 06" E	
Carnarvon, 62 km W (see Farm Goraas FrQ 2.9)		31° 11' 00" S 21° 32' 00" E	
Ezelfontein		30° 27' 00" S 18° 17' 00" E	1150 m
Farm 153 (Augrabies Wes) (see Farm Oograbies West 153)		29° 12' 00" S 17° 05' 00" E	
Farm 153 (Oograbies West) (see Farm Oograbies West 153)		29° 12' 00" S 17° 05' 00" E	
Farm 23 (Goodhouse) (see Farm Goodhouse 23), Goodhouse		28° 54' 00" S 18° 15' 00" E	210 m
Farm 472 (Schulp Fontein), 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand		30° 05' 00" S 17° 11' 30" E	
Farm 472 (Schulpfontien), 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand		30° 05' 00" S 17° 11' 30" E	
Farm Augrabies Wes 153 (see Farm Oograbies West 153)		29° 12' 00" S 17° 05' 00" E	
Farm FrQ 2.9 (Goraas) (see Farm Goraas FrQ 2.9), 62 km W Carnarvon		31° 11' 00" S 21° 32' 00" E	
Farm Goodhouse 23, Goodhouse (see also: Farm 23 (Goodhouse), Goodhouse, Farm 23)		28° 54' 00" S 18° 15' 00" E	210 m
Farm Goraas FrQ 2.9, 62 km W Carnarvon (see also: Carnarvon, 62 km W, Farm FrQ 2.9 (Goraas), Goraas, Farm FrQ 2.9)		31° 11' 00" S 21° 32' 00" E	
Farm Gouna (see Farm Visagierus), Williston, SW (see also: Calvinia, 54 mi [=87 km] E, Williston, 18.2 km S, 38.7 km W)		31° 32' 16" S 29° 09' 00" E	3600 ft
Farm Kersbos, 10 km NNE Bitterfontein (see also: Bitterfontein, 10 km NNE, Kersbos, Farm)		30° 57' 00" S 18° 12' 00" E	
Farm Modder Fontein, 7 - 8 mi [=11.3 - 12.8 km] W Springbok (see also: Farm Modderfontein, Modder Fontein, Farm, Modderfontein, Farm, Springbok, 7 - 8 mi [=11.3 - 12.8 km] W)		29° 41' 00" S 17° 48' 00" E	
Farm Modderfontein (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok		29° 41' 00" S 17° 48' 00" E	
Farm Narap, 28 km SSE Springbok (see also: Marop, Narap, Farm, Springbok, 28 km SSE)		29° 53' 00" S 17° 46' 00" E	
Farm Onder Downs (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia		31° 31' 06" S 19° 31' 06" E	
Farm Onder-Downes, 6 mi [=9.6 km] E Calvinia (see also: Calvinia, 6 mi [=9.6 km] E, Farm Onder Downs, Farm Onderdownes Wes, Onder Downs, Farm, Onderdownes Wes, Farm, Onder-Downes, Farm)		31° 31' 06" S 19° 31' 06" E	
Farm Onderdownes Wes (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia		31° 31' 06" S 19° 31' 06" E	
Farm Oograbies West 153 (see also: Augrabies Wes, Farm 153, Farm 153 (Augrabies Wes), Farm 153 (Oograbies West), Farm Augrabies Wes 153, Oograbies West, Farm 153)		29° 12' 00" S 17° 05' 00" E	

Farm Schulp Fontein 472, 16 km NW, Namaqualand (see also: Farm 472 (Schulp Fontein), 16 km NW, Farm 472 (Schulpfontien), 16 km NW, Farm Schulpfontien 472, 16 km NW, Schulp Fontein, Farm 472, 16 km NW, Schulpfontien, Farm 472, 16 km NW)	30° 05' 00" S 17° 11' 30" E	
Farm Schulpfontien 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	30° 05' 00" S 17° 11' 30" E	
Farm Steyerskraal, 50 km N, 10 km E Pofadder (see also: Farm Styrskraal, Pofadder, 50 km N, 10 km E, Steyerskraal, Farm, Styrskraal, Farm)	28° 40' 00" S 19° 30' 00" E	500 m
Farm Styrskraal (see Farm Steyerskraal)	28° 40' 00" S 19° 30' 00" E	500 m
Farm Visagierus, Williston, SW (see also: Farm Gouna, Gouna, Farm, Visagiesrus, Farm)	31° 31' 00" S 20° 30' 00" E	3600 ft
Garies, Klein Namaqualand	30° 33' 00" S 17° 59' 00" E	334 m
Goegab [farmstead] (see also: Goegap [farmstead])	29° 42' 00" S 18° 02' 00" E	
Goegap [farmstead] (see Goegab [farmstead])	29° 42' 00" S 18° 02' 00" E	
Goegap Nature Reserve, Springbok	29° 40' 00" S 17° 59' 00" E	
Good house Bay (see Goodhouse)	28° 54' 45" S 18° 12' 39" E	650 ft
Goodhouse, banks of Orange river (see also: Good house Bay)	28° 54' 45" S 18° 12' 39" E	650 ft
Goodhouse, Farm 23 (see Farm Goodhouse 23), Goodhouse	28° 54' 00" S 18° 15' 00" E	210 m
Goraas, Farm FrQ 2.9 (see Farm Goraas FrQ 2.9), 62 km W Carnarvon	31° 11' 00" S 21° 32' 00" E	
Gouna, Farm (see Farm Visagierus), Williston, SW	31° 31' 00" S 20° 30' 00" E	3600 ft
Hester Malan Nature Reserve (see Hester Malan Veldblomreservaat)	29° 40' 00" S 18° 02' 00" E	1100 m
Hester Malan Veldblomreservaat (see also: Hester Malan Nature Reserve, Hester Malan Wild Flower Reserve, Springbok, 10.0 km E)	29° 39' 00" S 17° 59' 00" E	1100 m
Hester Malan Wild Flower Reserve (see Hester Malan Veldblomreservaat)	29° 40' 00" S 18° 02' 00" E	1100 m
Kap Kap Farm	30° 15' 00" S 18° 26' 00" E	975 m
Orrelgat cave, 6.6 km N, 5.8 km W Platbakkies (see also: Platbakkies, 6.6 km N, 5.8 km W, Witwater, 25 mi [=40 km] E)	30° 15' 00" S 18° 26' 00" E	975 m
Platbakkies, 6.6 km N, 5.8 km W (see Orrelgat cave)	30° 15' 00" S 18° 26' 00" E	975 m
Witwater, 25 mi [=40 km] E (see Orrelgat cave)	30° 15' 00" S 18° 26' 00" E	975 m
Kersbos, Farm (see Farm Kersbos), 10 km NNE Bitterfontein	30° 57' 00" S 18° 12' 00" E	
Klein Nama land (see Little Namaqualand)	28° 30' 00" N 17° 00' 00" E	
Little Namaqualand (see also: Klein Nama land)	28° 30' 00" N 17° 00' 00" E	
Marop (see Farm Narap), 28 km SSE Springbok	29° 53' 00" S 17° 46' 00" E	
Modder Fontein, Farm (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok	29° 41' 00" S 17° 48' 00" E	
Modderfontein, Farm (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok	29° 41' 00" S 17° 48' 00" E	
Nababeep Wes Mine	29° 35' 24" S 17° 45' 16" E	3300 ft
Narap, Farm (see Farm Narap), 28 km SSE Springbok	29° 53' 00" S 17° 46' 00" E	
Onder Downs, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	31° 31' 06" S 19° 31' 06" E	
Onderdownes Wes, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	31° 31' 06" S 19° 31' 06" E	
Onder-Downes, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	31° 31' 06" S 19° 31' 06" E	
Oograbies West, Farm 153 (see Farm Oograbies West 153)	29° 12' 00" S 17° 05' 00" E	
Pofadder, 50 km N, 10 km E (see Farm Steyerskraal)	28° 40' 00" S 19° 30' 00" E	500 m
Port Nolloth	29° 16' 00" S 16° 52' 00" E	10 m
Port Nolloth, 15 mi [=24 km] inland	29° 17' 00" S 16° 51' 00" E	
Richtersveld, 36.2 km N, 47.5 km E Alexander Bay (see also: Alexander Bay, 36.2 km N, 47.5 km E)	28° 17' 29" S 16° 58' 13" E	480 m
Rielpoort	31° 16' 48" S 21° 35' 24" E	
Schulp Fontein, Farm 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	30° 05' 00" S 17° 11' 30" E	
Schulpfontien, Farm 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	30° 05' 00" S 17° 11' 30" E	
Springbok, 10.0 km E (see Hester Malan Veldblomreservaat)	29° 39' 00" S 17° 59' 00" E	1100 m

Springbok, 14 km N, 44 km W		29° 32' 00" S 17° 25' 00" E	500 ft
Springbok, 28 km SSE (see Farm Narap)		29° 53' 00" S 17° 46' 00" E	
Springbok, 7 - 8 mi [=11.3 - 12.8 km] W (see Farm Modder Fontein)		29° 41' 00" S 17° 48' 00" E	
Springbok,10 km S, 3 km W		29° 45' 00" S 17° 51' 00" E	3000 ft
Steinkopf		29° 16' 00" S 17° 44' 00" E	790 m
Steyerskraal, Farm (see Farm Steyerskraal)		28° 40' 00" S 19° 30' 00" E	500 m
Styrskraal, Farm (see Farm Steyerskraal)		28° 40' 00" S 19° 30' 00" E	500 m
Visagiesrus, Farm (see Farm Visagierus), Williston, SW		31° 31' 00" S 20° 30' 00" E	3600 ft
Williston, 18.2 km S, 38.7 km W (see Farm Gouna)		31° 32' 16" S 203° 29' 09" E	3600 ft
Witwater, 25 mi [=40 km] W	ca.	29° 31' 15" S 17° 34' 31" E	
Noupoor			
Okiep (see also: Ookiep, O'Okiep)		29° 35' 40" S 17° 52' 54" E	
old mine near Doodskloof river, Richtersveld		28° 52' 30" S 17° 07' 30" E	
Ookiep (see Okiep)		29° 35' 40" S 17° 52' 54" E	
O'Okiep (see Okiep)		29° 35' 40" S 17° 52' 54" E	
Pixley ka Seme district			
Barkley West (see Barkly West)		28° 30' 00" S 24° 33' 00" E	1150 m
Barkly West (see also: Barkley West, Barkly-Wes)		28° 30' 00" S 24° 33' 00" E	1150 m
Barkly-Wes (see Barkly West)		28° 30' 00" S 24° 33' 00" E	1150 m
Blinkklip cave, near Postmasburg		28° 18' 00" S 23° 07' 02" E	
Boegoeberg Dam, 0.5 mi E		29° 03' 00" S 22° 12' 00" E	
Brakfontein, Farm (see Farm Brakfontein), 25 km NNE Griekwastad; 24.5 km NE Hay		28° 40' 00" S 23° 22' 00" E	
De Aar, 8.7 km S, 8.5 km W (see Farm Swartkoppies)		30° 43' 45" S 23° 55' 21" E	1234 m
De Aar,13.4 km N, 6.4 km E		30° 31' 44" S 24° 04' 39" E	1280 m
Deelfontein, Farm (see Farm Deelfontein)		30° 58' 00" S 23° 46' 00" E	4460 ft
Farm 320 (Leelykstraat) (see Farm Leelykstraat 320), 30 km NE Marydale		29° 11' 00" S 22° 18' 00" E	
Farm 454 (Mimosa) (see Farm Mimosa 454), 25 km ENE Postmasburg		28° 11' 00" S 23° 19' 00" E	
Farm 607 (Klipbanksfontein) (see Farm Klipbanksfontein 607), Postmasburg	ca.	28° 18' 00" S 23° 05' 00" E	
Farm 71 (Keikamspoort) (see Farm Keikamspoort 71), 20 km SE Prieska		29° 53' 00" S 22° 52' 00" E	
Farm Brakfontein, 25 km NNE Griekwastad; 24.5 km NE Hay (see also: Brakfontein, Farm, Griekwastad, 25 km NNE, Hay, 24.5 km NE)		28° 40' 00" S 23° 22' 00" E	
Farm Deelfontein (see also: Deelfontein, Farm)		31° 02' 00" S 23° 46' 00" E	4460 ft
Farm Keikamspoort 71, 20 km SE Prieska (see also: Farm 71 (Keikamspoort), Keikamspoort, Farm 71, Prieska, 20 km SE)		29° 53' 00" S 22° 52' 00" E	
Farm Kleintuinfontein, 10.8 km S, 10.7 km E Petrusville (see also: Kleintuinfontein, Farm, Petrusville, 10.8 km S, 10.7 km E)		30° 10' 42" S 24° 46' 13" E	3900 ft
Farm Klipbanksfontein 607, Postmasburg (see also: Farm 607 (Klipbanksfontein), Klipbanksfontein, Farm 607)	ca.	28° 18' 00" S 23° 05' 00" E	
Farm Koegelbeen, 21 km NE Griekwastad (see also: Koegelbeen, Farm)		28° 40' 00" S 23° 21' 00" E	
Farm Leelykstraat 320, 30 km NE Marydale (see also: Farm 320 (Leelykstraat), Leelykstraat, Farm 320, Marydale, 30 km NE)		29° 11' 00" S 22° 18' 00" E	
Farm Mimosa 454, 25 km ENE Postmasburg (see also: Farm 454 (Mimosa), Mimosa, Farm 454, Postmasburg, 25 km ENE)		28° 11' 00" S 23° 19' 00" E	
Farm Omdraaivlei, Briststown		30° 05' 00" S 23° 08' 00" E	
Farm Orange Grove, 2.2 km N, 0.9 km E Petrusville (see also: Orange Grove, Farm, Petrusville, 2.2 km N, 0.9 km E)		30° 03' 44" S 24° 40' 06" E	1173 m
Farm Slingerpan, 14.9 km N, 9.2 km W Strydenburg (see also: Slingerpan, Farm, Strydenburg, 14.9 km N, 9.2 km W)		29° 48' 28" S 23° 34' 56" E	1158 m
Farm Swartkoppies, 8.7 km S, 8.5 km W De Aar (see also: De Aar, 8.7 km S, 8.5 km W, Swartkoppies, Farm)		30° 43' 45" S 23° 55' 21" E	1234 m
Gatkoppies, 5.5 km NE Postmasburg (see also: Postmasburg, 5.5 km NE)		28° 18' 00" S 23° 07' 00" E	
Griekwastad, 25 km NNE (see Farm Brakfontein)		28° 41' 00" S 23° 22' 00" E	

Hanover, Uilfontein		31° 04' 00" S 24° 27' 00" E	1387 m
Hay, 24.5 km NE (see Farm Brakfontein)		28° 41' 00" S 23° 22' 00" E	
Hopefield (see Hopefield Estate)		28° 37' 11" S 23° 19' 46" E	1532 m
Hopefield Estate (see also: Hopefield)		28° 37' 11" S 23° 19' 46" E	1532 m
Keikamspoort, Farm 71 (see Farm Keikamspoort 71), 20 km SE Prieska		29° 53' 00" S 22° 52' 00" E	
Kleintuinfontein, Farm (see Farm Kleintuinfontein)		30° 10' 42" S 24° 46' 13" E	3900 ft
Klipbanksfontein, Farm 607 (see Farm Klipbanksfontein 607), Postmasburg	ca.	28° 18' 00" S 23° 05' 00" E	
Koegelbeen Caves, Hay [=Griekwastad]; 21 km NE Griekwastad		28° 39' 11" S 23° 20' 55" E	
Koegelbeen, Farm (see Farm Koegelbeen), 21 km NE Griekwastad		28° 40' 00" S 23° 21' 00" E	
Le Roux Dam (see P.K. Le Roux Dam)		30° 05' 00" S 24° 45' 00" E	1150 m
Leelykstraat, Farm 320 (see Farm Leelykstraat 320), 30 km NE Marydale		29° 11' 00" S 22° 18' 00" E	
Marydale, 30 km NE (see Farm Leelykstraat 320)		29° 11' 00" S 22° 18' 00" E	
Mazelfontein		29° 07' 00" S 23° 52' 00" E	
Mimosa, Farm 454 (see Farm Mimosa 454), 25 km ENE Postmasburg		28° 11' 00" S 23° 19' 00" E	
Norvalspont		30° 38' 00" S 25° 27' 00" E	1296 m
Omdraaivlei Farm, Briststown		30° 05' 00" S 23° 08' 00" E	
Orange Grove, Farm (see Farm Orange Grove)		30° 03' 44" S 24° 40' 06" E	1173 m
Orange River Station, Alfalfa, Hopetown		29° 37' 30" S 24° 07' 30" E	
P.K. Le Roux Dam, Petrusville, 8.0 km E (see also: Le Roux Dam, Petrusville, 8.0 km E)		30° 05' 00" S 24° 45' 00" E	1150 m
Petrusville		30° 04' 54" S 24° 39' 30" E	1189 m
Petrusville, 10.8 km S, 10.7 km E (see Farm Kleintuinfontein)		30° 10' 42" S 24° 46' 13" E	3900 ft
Petrusville, 2.2 km N, 0.9 km E (see Farm Orange Grove)		30° 03' 44" S 24° 40' 06" E	1173 m
Petrusville, 2.5 km N, 8.5 km E (see Rolfontein Nature Reserve)		30° 04' 00" S 24° 45' 00" E	1175 m
Petrusville, 8.0 km E (see P.K. Le Roux Dam)		30° 05' 00" S 24° 45' 00" E	1150 m
Postmasburg, 25 km ENE (see Farm Mimosa 454)		28° 11' 00" S 23° 19' 00" E	
Postmasburg, 5.5 km NE (see Gatkoppies)		28° 18' 00" S 23° 07' 00" E	
Prieska, 20 km SE (see Farm Keikamspoort 71)		29° 53' 00" S 22° 52' 00" E	
Rolfontein Nature Reserve, 2.5 km N, 8.5 km E Petrusville (see also: Petrusville, 2.5 km N, 8.5 km E)		30° 04' 00" S 24° 45' 00" E	1175 m
Slingerpan, Farm (see Farm Slingerpan)		29° 48' 28" S 23° 34' 56" E	1158 m
Soetfontein cave, near Postmasburg, Soetfontein Guest Farm		28° 22' 12" S 23° 03' 00" E	
Stockenstroms Kop (see Stokenstroms Kop)		30° 36' 00" S 25° 24' 00" E	1307 m
Stokenstrom (see Stokenstroms Kop)		30° 36' 00" S 25° 24' 00" E	1307 m
Stokenstroms Kop (see also: Stockenstroms Kop, Stokenstrom)		30° 36' 00" S 25° 24' 00" E	1307 m
Strydenburg, 14.9 km N, 9.2 km W (see Farm Slingerpan)		29° 48' 28" S 23° 34' 56" E	1158 m
Swartkoppies, Farm (see Farm Swartkoppies)		30° 43' 45" S 23° 55' 21" E	1234 m
The Van Wyks Vlei Settlement Plan (see also: Van Wyksvlei, Van Wyksvlei Settlements)		30° 18' 00" S 21° 50' 00" E	958 m
Three Sisters		31° 54' 00" S 23° 05' 00" E	1200 m
Van Wyksvlei (see The Van Wyks Vlei Settlement Plan)		30° 18' 00" S 21° 50' 00" E	958 m
Van Wyksvlei Settlements (see The Van Wyks Vlei Settlement Plan)		30° 18' 00" S 21° 50' 00" E	958 m
Victoria West (see also: Victoria-Wes)		31° 24' 06" S 23° 07' 10" E	1372 m
Victoria-Wes (see Victoria West)		31° 24' 06" S 23° 07' 10" E	1372 m
Slyanda district			
Augrabies Falls National Park (see also: Augrabies Waterfall National Park)		28° 36' 00" S 20° 20' 00" E	
Augrabies Waterfall National Park (see Augrabies Falls National Park)		28° 36' 00" S 20° 20' 00" E	
Cnydas, Farm (see Farm Cnydas), 12 km NW Lutzput		28° 22' 00" S 20° 34' 00" E	
Die Oog (see also: Eye of Kuruman)		27° 27' 00" S 23° 26' 00" E	1200 m
Eye of Kuruman (see Die Oog)		27° 27' 00" S 23° 26' 00" E	1200 m
Farm 284 (Olivewood) (see Farm Olivewood 284), 15 km WNW Hotazel		27° 12' 00" S 22° 48' 00" E	

Farm Cnydas, 12 km NW Lutzput (see also: Cnydas, Farm, Farm Nydas, Lutzput, 12 km NW, Nydas, Farm)	28° 22' 00" S 20° 34' 00" E	
Farm Marthavale, 40 km NW Kuruman (see also: Kuruman, 40 km NW, Marthavale, Farm)	27° 20' 00" S 23° 04' 00" E	
Farm Northern Kakamas, 20.5 km NW Kakamas, behind cottages at Khamkirri (see also: Kakamas, 20.5 km NW, Northern Kakamas, Farm)	28° 39' 00" S 20° 26' 00" E	
Farm Nydas (see Farm Cnydas), 12 km NW Lutzput	28° 22' 00" S 20° 34' 00" E	
Farm Olivewood 284, 15 km WNW Hotazel (see also: Farm 284 (Olivewood), Hotazel, 15 km WNW, Olivewood, Farm 284)	27° 12' 00" S 22° 48' 00" E	
Farm Stolzenfels, S bank Orange river (see also: Stolzenfels, Farm)	28° 31' 14" S 19° 42' 02" E	
Hotazel, 15 km WNW (see Farm Olivewood 284)	27° 12' 00" S 22° 48' 00" E	
Kakamas, 20.5 km NW (see Farm Northern Kakamas)	28° 39' 00" S 20° 26' 00" E	
Kakamas, 47 km NW	28° 27' 00" S 20° 19' 00" E	
Kalahari Gemsbok Game Reserve (see Kalahari Gemsbok National Park)	25° 41' 00" S 20° 20' 00" E	
Kalahari Gemsbok National Park (see also: Kalahari Gemsbok Game Reserve, Nasionale Kalahari Gemsbok-Wildtuin)	25° 41' 00" S 20° 20' 00" E	
Bayip, 31 km WNW Nossob [=Nossob camp] (see also: Nassob, 31 km WNW, Nossob camp, 31 km WNW)	25° 17' 00" S 20° 13' 00" E	
Dankbaar Windmill, Nassob [=Nossob camp], 60 km NW (see also: Nassob, 60 km NW, Nossob camp, 60 km NW)	25° 03' 00" S 20° 08' 00" E	
Kameelsleep, Nassob [=Nossob camp] (see also: Nossob camp)	25° 50' 00" S 20° 44' 00" E	
Kamferboom, 20 mi [=32 km] NW Twee Rivieren (see also: Kamfersboom, Twee Rivieren, 20 mi [=32 km] NW)	26° 07' 00" S 20° 37' 00" E	
Kamfersboom (see Kamferboom), 20 mi [=32 km] NW Twee Rivieren	26° 07' 00" S 20° 37' 00" E	
Leeuwdril, 13 km NE Twee Rivieren (see also: Twee Rivieren, 13 km NE)	26° 07' 07" S 20° 50' 00" E	
Marie se Gat, 6 km SE Nossob (see also: Nassob, 6 km SE, Nossob, 6 km SE)	25° 38' 00" S 20° 38' 00" E	
Mata Mata camp, Nassob	25° 46' 00" S 20° 01' 00" E	
Nassob	26° 27' 00" S 20° 37' 00" E	
Nassob, 31 km WNW (see Bayip)	25° 17' 00" S 20° 13' 00" E	
Nassob, 4 km S (see Rooikop)	25° 27' 00" S 20° 34' 00" E	
Nassob, 6 km SE (see Marie se Gat)	25° 38' 00" S 20° 38' 00" E	
Nassob, 60 km NW (see Dankbaar Windmill)	25° 03' 00" S 20° 08' 00" E	
Nossob camp (see Kameelsleep)	25° 50' 00" S 20° 44' 00" E	
Nossob camp, 31 km WNW (see Bayip)	25° 17' 00" S 20° 13' 00" E	
Nossob camp, 4 km S (see Rooikop)	25° 27' 00" S 20° 34' 00" E	
Nossob camp, 60 km NW (see Dankbaar Windmill)	25° 03' 00" S 20° 08' 00" E	
Nossob, 4 km S (see Rooikop)	25° 27' 00" S 20° 34' 00" E	
Nossob, 6 km SE (see Marie se Gat)	25° 38' 00" S 20° 38' 00" E	
Rooikop, 4 km S Nossob [=Nossob camp] (see also: Nassob, 4 km S, Nossob camp, 4 km S, Nossob, 4 km S)	25° 27' 00" S 20° 34' 00" E	
Twee Rivieren, Gordonia / Nassob	26° 27' 00" S 20° 37' 00" E	
Twee Rivieren, 13 km NE (see Leeuwdril)	26° 07' 00" S 20° 51' 00" E	
Twee Rivieren, 20 mi [=32 km] NW (see Kamferboom)	26° 07' 00" S 20° 37' 00" E	
Khamkirri Private Game Reserve, site 1, Kakamas, NW	28° 39' 07" S 20° 26' 45" E	
Khamkirri Private Game Reserve, site 2, Kakamas, NW	28° 38' 59" S 20° 26' 39" E	
Kuruman, 40 km NW (see Farm Marthavale)	27° 20' 00" S 23° 04' 00" E	
Kuruman, 58 km S (see Wonderwerk Cave)	27° 49' 00" S 23° 35' 00" E	
Louisvale	28° 34' 00" S 21° 12' 00" E	802 m
Louisvale, 1 mi [=1.6 km] N	28° 31' 59" S 21° 12' 00" E	
Louisvale, near	28° 34' 00" S 21° 12' 00" E	2600 ft
Lutzput, 12 km NW (see Farm Cnydas)	28° 22' 00" S 20° 34' 00" E	
Marthavale, Farm (see Farm Marthavale), 40 km NW Kuruman	27° 20' 00" S 23° 04' 00" E	
Nasionale Kalahari Gemsbok-Wildtuin (see Kalahari Gemsbok National Park)	25° 41' 00" S 20° 20' 00" E	

Northern Kakamas, Farm (see Farm Northern Kakamas), 20.5 km NW Kakamas	28° 39' 00" S 20° 26' 00" E	
Nossob, 60 km NW	25° 25' 00" S 20° 36' 00" E	
Nydas, Farm (see Farm Cnydas), 12 km NW Lutzput	28° 22' 00" S 20° 34' 00" E	
Olivewood, Farm 284 (see Farm Olivewood 284), 15 km WNW Hotazel	27° 12' 00" S 22° 48' 00" E	
Orange River, near south bank, Upington	28° 28' 00" S 21° 14' 00" E	800 m
Riemvasmaak, 47 km NW Kakamas	28° 27' 00" S 20° 18' 00" E	653 m
Stolzenfels, Farm (see Farm Stolzenfels), S bank Orange river	28° 31' 14" S 19° 42' 02" E	
Wonderwerk Cave, 58 km S Kuruman (see also: Kuruman, 58 km S)	27° 49' 00" S 23° 35' 00" E	
Xhubuxnap [farmstead], Kakamas, 56 km WNW Steenkampskraal	28° 28' 00" S 20° 07' 00" E	
North-West province		
Bojanala district		
Assen, 5 km NE (see Farm Buffelspoort 149 JQ)	25° 07' 00" S 27° 37' 00" E	
Boekenhoufontein [farmstead] (see Boekenhoutfontein [farmstead]), 15 km N Rustenburg	25° 13' 00" S 27° 06' 00" E	
Boekenhoutfontein [farmstead], 15 km N Rustenburg (see also: Boekenhoufontein [farmstead], Rustenburg, 15 km N)	25° 13' 00" S 27° 06' 00" E	
Brits	25° 38' 00" S 27° 47' 00" E	1083 m
Brits, 37 mi [=59.5 km] N (see Buffelsdraai)	25° 08' 00" S 27° 40' 00" E	
Buffelsdraai, 37 mi N Brits (see also: Brits, 37 mi [=59.5 km] N)	25° 08' 00" S 27° 40' 00" E	
Buffelspoort, Farm 149JQ (see Farm Buffelspoort 149 JQ), 5 km NE Assen	25° 07' 00" S 27° 37' 00" E	
Derdepoort, 18 km SSE (see Farm Mooiplaas 94)	24° 45' 00" S 26° 25' 00" E	
Derdepoort, 8 km S (see Farm Mooigenoeg 83)	24° 40' 00" S 26° 20' 00" E	
Farm 147JQ (Mooimeisjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen	25° 01' 00" S 27° 37' 00" E	
Farm 147JQ (Mooimysjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen	25° 01' 00" S 27° 37' 00" E	
Farm 147JQ (Mooiymysjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen	25° 01' 00" S 27° 37' 00" E	
Farm 149JQ (Buffelspoort) (see Farm Buffelspoort 149 JQ), 5 km NE Assen	25° 07' 00" S 27° 37' 00" E	
Farm 236JQ (Vygeboschlaagte) (see Farm Vygeboschlaagte 236JQ)	25° 19' 00" S 28° 01' 00" E	
Farm 328 (Olifantspoort) (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg	25° 50' 00" S 27° 15' 00" E	
Farm 473 JQ (Hartebees) (see Farm Fourwinds)	25° 49' 48" S 27° 40' 12" E	
Farm 83 (Mooigenoeg) (see Farm Mooigenoeg 83), 8 km S Derdepoort	24° 40' 00" S 26° 20' 00" E	
Farm 94 (Mooiplaas) (see Farm Mooiplaas 94), 18 km SSE Derdepoort	24° 45' 00" S 26° 25' 00" E	
Farm Buffelspoort 149 JQ, 5 km NE Assen (see also: Assen, 5 km NE, Buffelspoort, Farm 149JQ, Farm 149JQ (Buffelspoort))	25° 07' 00" S 27° 37' 00" E	
Farm Fourwinds (see also: Farm 473 JQ (Hartebees), Farm Hartebeesfonein 473 JQ, Fourwinds, Farm, Hartebeesfontein, Farm 473 JQ, Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ)	25° 49' 48" S 27° 40' 12" E	
Farm Hartebeesfonein 473 JQ (see Farm Fourwinds)	25° 49' 48" S 27° 40' 12" E	
Farm Mooigenoeg 83, 8 km S Derdepoort (see also: Derdepoort, 8 km S, Farm 83 (Mooigenoeg), Mooigenoeg, Farm 83)	24° 40' 00" S 26° 20' 00" E	
Farm Mooimeisjesfontein 147JQ, Assen (see also: Farm 147JQ (Mooimeisjesfontein), Farm 147JQ (Mooimysjesfontein), Farm 147JQ (Mooiymysjesfontein), Farm Mooimysjesfontein 147JQ, Farm Mooiymysjesfontein 147JQ, Mooimeijesfontein, Mooimeisjesfontein, Farm 147JQ, Mooimysjesfontein, Farm 147JQ, Mooiymysjesfontein, Farm 147JQ)	25° 01' 00" S 27° 37' 00" E	
Farm Mooimysjesfontein 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	25° 01' 00" S 27° 37' 00" E	
Farm Mooiplaas 94, 18 km SSE Derdepoort (see also: Derdepoort, 18 km SSE, Farm 94 (Mooiplaas), Mooiplaas, Farm 94)	24° 45' 00" S 26° 24' 00" E	
Farm Mooiymysjesfontein 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	25° 01' 00" S 27° 37' 00" E	

Farm Olifantspoort 328, 19 km [=12 mi] S Rustenburg (see also: Farm 328 (Olifantspoort), Olifantspoort, Farm 328, Retiefkloof, Rustenburg, 19 km [=12 mi] S)		25° 50' 00" S 27° 15' 00" E	
Farm Sandspruit, 40 mi WNW Warmbad (see also: Sandspruit Cave, Sandspruit, Farm, Warmbad, 40 mi [=64 km] WNW)		24° 36' 36" S 27° 39' 36" E	
Farm Vygeboschlaagte 236JQ (see also: Farm 236JQ (Vygeboschlaagte), Vygeboschlaagte, Farm 236JQ)		25° 19' 00" S 28° 01' 00" E	
Fourwinds, Farm (see Farm Fourwinds)		25° 49' 48" S 27° 40' 12" E	
Grootkloof, near Magaliesburg		25° 10' 35" S 27° 05' 53" E	
Hartebeesfontein, Farm 473 JQ (see Farm Fourwinds)		25° 49' 48" S 27° 40' 12" E	
Hartebeespoort dam, 10 mi [=16 km] W (see Kranskop)		25° 45' 00" S 27° 51' 00" E	
Kranskop, 10 mi W Hartebeespoort dam (see also: Hartebeespoort dam, 10 mi [=16 km] W)		25° 45' 00" S 27° 51' 00" E	
Lesetlheng		25° 09' 26" S 27° 07' 34" E	1089 m
Loster, Zeerust		25° 52' 00" S 26° 54' 00" E	
Mooigenoeg, Farm 83 (see Farm Mooigenoeg 83), 8 km S Derdepoort		24° 40' 00" S 26° 20' 00" E	
Mooimeijesfontein (see Farm Mooimeisjesfontein 147JQ)		25° 01' 00" S 27° 37' 00" E	
Mooimeisjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen		25° 01' 00" S 27° 37' 00" E	
Mooimysjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen		25° 01' 00" S 27° 37' 00" E	
Mooiplaas, Farm 94 (see Farm Mooiplaas 94), 18 km SSE Derdepoort		24° 45' 00" S 26° 25' 00" E	
Mooiymysjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen		25° 01' 00" S 27° 37' 00" E	
Olifantspoort, Farm 328 (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg		25° 50' 00" S 27° 15' 00" E	
Pilanesberg Game Reserve (see also: Pilanesberg National Park, Pilanesburg Nature Reserve)		25° 15' 00" S 27° 05' 00" E	
Pilanesberg National Park (see Pilanesberg Game Reserve)		25° 15' 00" S 27° 05' 00" E	
Pilanesburg Nature Reserve (see Pilanesberg Game Reserve), Old mine audit		25° 07' 30" S 27° 07' 30" E	
Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ (see Farm Fourwinds)		25° 49' 48" S 27° 40' 12" E	
Retiefkloof (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg		25° 50' 00" S 27° 15' 00" E	
Rustenburg		25° 40' 00" S 27° 14' 00" E	
Rustenburg Nature Reserve, Rustenburg		25° 43' 04" S 27° 11' 16" E	
Rustenburg, 15 km N (see Boekenhoutfontein [farmstead])		25° 13' 00" S 27° 06' 00" E	
Rustenburg, 19 km [=12 mi] S (see Farm Olifantspoort 328)		25° 50' 00" S 27° 15' 00" E	
Rustenburg, 2 mi [=3.2 km] E	ca.	25° 39' 22" S 27° 18' 33" E	
Sandspruit Cave (see Farm Sandspruit), 40 mi [=64 km] WNW Warmbad		25° 41' 00" S 27° 55' 00" E	
Sandspruit, Farm (see Farm Sandspruit), 40 mi WNW Warmbad		25° 41' 00" S 27° 55' 00" E	
Thabazimbi, 32 km W		25° 30' 00" S 27° 30' 00" E	
Vygeboschlaagte, Farm 236JQ (see Farm Vygeboschlaagte 236JQ)		25° 19' 00" S 28° 01' 00" E	
Warmbad, 40 mi [=64 km] WNW (see Farm Sandspruit)		25° 41' 00" S 27° 55' 00" E	
Bophirima district (see Dr Ruth Segomotsi Mompati district)			
Central district (see Ngaka Modiri Molema district)			
Dr Kenneth Kaunda district (see also: Southern district)			
Abe Baily Nature Reserve (see Farm Wonderfontein 103IQ), Caltonville		26° 18' 00" S 27° 24' 00" E	
Barberspan Flora en Fauna Natuurreservaat (see Barberspan Provincial Nature Reserve), Delareyville, 24 km E		26° 34' 00" S 25° 35' 00" E	
Barberspan Natuurreserwe (see Barberspan Provincial Nature Reserve), Delareyville, 24 km E		26° 34' 00" S 25° 35' 00" E	

Barberspan Provincial Nature Reserve, Delareyville, 24 km E (see also: Barberspan Flora en Fauna Natuurreservaat, Barberspan Natuurreserwe, Delareyville, 24 km E)	26° 34' 00" S 25° 35' 00" E
Baviaanskrans, Farm 308JQ (see Kgaswane Nature Reserve)	25° 43' 13" S 27° 11' 07" E
Bleskop, Rustenberg	25° 41' 00" S 27° 23' 00" E
Boskop Dam Nature Reserve, Potchefstroom	26° 33' 00" S 27° 07' 00" E
Caltonville (see Farm Wonderfontein 103IQ)	26° 18' 00" S 27° 24' 00" E
Commisiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	25° 48' 00" S 27° 14' 00" E
Commissiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	25° 48' 00" S 27° 14' 00" E
Commissiesdrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	25° 48' 00" S 27° 14' 00" E
Commissionsdrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	25° 48' 00" S 27° 14' 00" E
Delareyville, 24 km E (see Barberspan Provincial Nature Reserve)	26° 34' 00" S 25° 35' 00" E
Farm 103IQ (Wonderfontein) (see Farm Wonderfontein 103IQ), Caltonville / Potchefstroom	26° 18' 00" S 27° 24' 00" E
Farm 204 (Ratsegaai) (see Farm Ratsegaai 204), 13 km W Ventersdorp	26° 22' 00" S 26° 44' 00" E
Farm 308JQ (Baviaanskrans) (see Kgaswane Nature Reserve)	25° 43' 13" S 27° 11' 07" E
Farm 327JQ (Commissiesdrift) (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	25° 48' 00" S 27° 14' 00" E
Farm 419 (Witpoort) (see Farm Witpoort 419), 24 km E Potchefstroom	26° 39' 00" S 27° 20' 00" E
Farm 508 (Nooitgedacht) (see Farm Nooitgedacht 508), 14 km SSE Potchefstroom	26° 55' 12" S 27° 10' 12" E
Farm Baviaanskrans 308JQ (see Kgaswane Nature Reserve)	25° 43' 13" S 27° 11' 07" E
Farm Commissiesdrift 327JQ, 10 mi [=16 km] SW Rustenberg (see also: Commisiedrift, Farm 327JQ, Commissiedrift, Farm 327JQ, Commissiesdrift, Farm 327JQ, Commissionsdrift, Farm 327JQ, Farm 327JQ (Commissiesdrift), Farm Commissionsdrift 327JQ, Kommissiedrift, Farm 327JQ, Rustenberg, 10 mi [=16 km] SW)	25° 48' 00" S 27° 14' 00" E
Farm Commissionsdrift 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	25° 48' 00" S 27° 14' 00" E
Farm Nooitgedacht 508, 14 km SSE Potchefstroom (see also: Farm 508 (Nooitgedacht), Nooitgedacht, Farm 508, Potchefstroom, 14 km SSE)	26° 55' 12" S 27° 10' 12" E
Farm Ratsegaai 204, 13 km W Ventersdorp (see also: Farm 204 (Ratsegaai), Ratsegaai, Farm 204, Ventersdorp, 13 km W)	26° 22' 00" S 26° 44' 00" E
Farm Rhenosterfontein, Potchefstroom (see also: Rhenosterfontein; Farm)	26° 34' 00" S 27° 31' 00" E
Farm Witpoort 419, 24 km E Potchefstroom (see also: Farm 419 (Witpoort), Potchefstroom, 24 km E, Witpoort, Farm 419)	26° 39' 00" S 27° 20' 00" E
Farm Wonderfontein 103IQ, Caltonville / Potchefstroom (see also: Abe Baily Nature Reserve, Caltonville, Farm 103IQ (Wonderfontein), Wonderfontein Cave, Wonderfontein, Farm 103IQ)	26° 18' 00" S 27° 24' 00" E
Frederikstad, 24 km N Potchefstroom (see also: Potchefstroom, 24 km N)	26° 30' 00" S 27° 09' 00" E
Kgaswane Nature Reserve (see also: Baviaanskrans, Farm 308JQ, Farm 308JQ (Baviaanskrans), Farm Baviaanskrans 308JQ)	25° 43' 13" S 27° 11' 07" E

Kommissiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg		25° 48' 00" S 27° 14' 00" E	
Kosmos, Western Shore Hartebeespoortdam (see also: Village Kosmos)		25° 44' 00" S 27° 51' 00" E	1139 m
Lichtenburg, 6 km NE (see Pretoria Zoo's farm)		26° 07' 00" S 26° 12' 00" E	
Nooitgedacht, Farm 508 (see Farm Nooitgedacht 508), 14 km SSE Potchefstroom		26° 55' 12" S 27° 10' 12" E	
Potchefstroom, Potchefstroom; Kleinfontein		26° 43' 00" S 27° 06' 00" E	1341 m
Potchefstroom, 14 km SSE (see Farm Nooitgedacht 508)		26° 55' 12" S 27° 10' 12" E	
Potchefstroom, 24 km E (see Farm Witpoort 419)		26° 39' 00" S 27° 20' 00" E	
Potchefstroom, 24 km N (see Frederikstad)		26° 30' 00" S 27° 09' 00" E	
Pretoria Zoo's farm, 6 km NE Lichtenburg (see also: Lichtenburg, 6 km NE)		26° 07' 00" S 26° 12' 00" E	
Ratsegaai, Farm 204 (see Farm Ratsegaai 204), 13 km W Ventersdorp		26° 22' 00" S 26° 44' 00" E	
Rhenosterfontein; Farm (see Farm Rhenosterfontein), Potchefstroom		26° 34' 00" S 27° 31' 00" E	
Rustenberg, 10 mi [=16 km] SW (see Farm Commissiesdrift 327JQ)		25° 48' 00" S 27° 14' 00" E	
Ventersdorp, 13 km W (see Farm Ratsegaai 204)		26° 22' 00" S 26° 44' 00" E	
Venterskroon, Potchefstroom		26° 52' 48" S 26° 16' 12" E	
Venterskroon, 1.8 km NW		26° 52' 39" S 27° 15' 15" E	
Venterskroon, 1.8 km NW - 3.0 km NNE (see Vredefort Dome World Heritage Site)	ca.	26° 52' 39" S 27° 15' 15" E	
Village Kosmos (see Kosmos), Western Shore Hartebeespoortdam		25° 44' 00" S 27° 51' 00" E	1139 m
Vredefort Dome World Heritage Site, 1.8 km NW - 3.0 km NNE Venterskroon (see also: Venterskroon, 1.8 km NW - 3.0 km NNE)	ca.	26° 52' 39" S 27° 15' 15" E	1310 m
Witpoort, Farm 419 (see Farm Witpoort 419), 24 km E Potchefstroom		26° 39' 00" S 27° 20' 00" E	
Wonderfontein Cave (see Farm Wonderfontein 103IQ), Caltonville		26° 18' 00" S 27° 24' 00" E	
Wonderfontein, Farm 103IQ (see Farm Wonderfontein 103IQ), Caltonville / Potchefstroom		26° 18' 00" S 27° 24' 00" E	
Dr Ruth Segomotsi Mompati district (see also: Bophirima district)			
Buxton mine (see Norlim mine), 16 km SW Taung		27° 37' 00" S 24° 38' 00" E	1087 m
Christiana, 5 km NNE (see Farm Welgedaan 292)		27° 42' 00" S 25° 13' 00" E	
Farm 292 (Welgedaan) (see Farm Welgedaan 292), 5 km NNE Christiana		27° 42' 00" S 25° 13' 00" E	
Farm Katrina (see also: Katrina, Farm)		27° 39' 00" S 25° 36' 00" E	
Farm Welgedaan 292, 5 km NNE Christiana (see also: Christiana, 5 km NNE, Farm 292 (Welgedaan), Welgedaan, Farm 292)		27° 42' 00" S 25° 13' 00" E	
Ganyesa		26° 33' 00" S 24° 11' 00" E	1265 m
Katrina, Farm (see Farm Katrina)		27° 39' 00" S 25° 36' 00" E	
Kleinfontein, 20 mi [=32 km] NE Zeerust (see also: Zeerust, 20 mi [=32 km] NE)		25° 25' 00" S 26° 20' 00" E	
Norlim mine (see Norlim mine), 16 km SW Taung (see also: Buxton mine, Norlim mine, Taung, 16 km SW)		27° 37' 00" S 24° 38' 00" E	1087 m
S A Lombaard Nature reserve, Bloemhof district		27° 36' 00" S 25° 29' 00" E	
Taung, Bophuthatswana (see also: Taungs)		27° 32' 00" S 24° 48' 00" E	1101 m
Taung World Heritage Site		27° 37' 14" S 24° 38' 09" E	
Taung, 16 km SW (see Norlim mine)		27° 37' 00" S 24° 38' 00" E	1087 m
Taungs (see Taung), Bophuthatswana		27° 32' 00" S 24° 48' 00" E	1101 m
Thomeng, near Norlim		27° 37' 55" S 24° 38' 37" E	
Vryburg, Vryburg		26° 57' 00" S 24° 44' 00" E	1204 m
Welgedaan, Farm 292 (see Farm Welgedaan 292), 5 km NNE Christiana		27° 42' 00" S 25° 13' 00" E	
Zeerust, 20 mi [=32 km] NE (see Kleinfontein)		25° 25' 00" S 26° 20' 00" E	
Zoetvlei, Vryburg		26° 57' 00" S 24° 44' 00" E	
Ngaka Modiri Molema district (see also: Central district)			
Farm 111KP (Kalkfontein) (see Madikwe Game Reserve)		24° 45' 58" S 26° 22' 16" E	
Farm 6 (Secheili's Oude Stad) (see Farm Secheili's Oude Stad 6), Zeerust		24° 53' 00" S 25° 58' 00" E	

Farm 96 (Rykvoorby) (see Farm Rykvoorby 96), 9 km N Zeerust		25° 29' 00" S 26° 04' 00" E	
Farm Ferndale, 8 km SE Groot Marico (see also: Ferndale, Farm, Groot Marico, 8 km SE, Marico, 15 km SE)		25° 38' 00" S 26° 24' 00" E	
Farm Kalkfontein 111KP (see Madikwe Game Reserve)		24° 45' 58" S 26° 22' 16" E	
Farm Rykvoorby 96, 9 km N Zeerust (see also: Farm 96 (Rykvoorby), Rykvoorby, Farm 96, Zeerust, 9 km N)		25° 29' 00" S 26° 04' 00" E	
Farm Secheili's Oude Stad 6, Zeerust (see also: Farm 6 (Secheili's Oude Stad), Secheili's Oude Stad, Farm 6)		24° 53' 00" S 25° 58' 00" E	
Ferndale, Farm (see Farm Ferndale), 8 km SE Groot Marico		25° 38' 00" S 26° 24' 00" E	
Groot Marico, 8 km SE (see Farm Ferndale)		25° 38' 00" S 26° 24' 00" E	
Kalkfontein, Farm 111KP (see Madikwe Game Reserve)		24° 45' 58" S 26° 22' 16" E	
Lobatsi [intermittent stream]		25° 11' 00" S 25° 49' 00" E	
Madikwe Game Reserve (see also: Farm 111KP (Kalkfontein), Farm Kalkfontein 111KP, Kalkfontein, Farm 111KP)		24° 45' 58" S 26° 22' 15" E	
Mafeking, 5 km outside (see Mafikeng, 5 km outside)		25° 52' 00" S 25° 39' 00" E	1252 m
Mafikeng, 5 km outside (see also: Mafeking, 5 km outside)		25° 52' 00" S 25° 39' 00" E	1252 m
Marico, 15 km SE (see Farm Ferndale)		25° 38' 00" S 26° 24' 00" E	
Molopo Nature Reserve (see Molopo Naturellereserwe)		25° 53' 00" S 25° 34' 00" E	
Molopo Naturellereserwe (see also: Molopo Nature Reserve)		25° 53' 00" S 25° 34' 00" E	
Ottoshoop		25° 45' 00" S 25° 57' 00" E	1417 m
Rykvoorby, Farm 96 (see Farm Rykvoorby 96), 9 km N Zeerust		25° 29' 00" S 26° 04' 00" E	
Secheili's Oude Stad, Farm 6 (see Farm Secheili's Oude Stad 6), Zeerust		24° 53' 00" S 25° 58' 00" E	
Zeerust, 9 km N (see Farm Rykvoorby 96)		25° 29' 00" S 26° 04' 00" E	
Southern district (see Dr Kenneth Kaunda district)			
Warmbad, 40 mi [=64 km] WNW			
Oliphantspoort, Olifantspruit			
Ottershoop		30° 30' 00" S 22° 51' 00" E	
Rhenosterspruit, Farm 59JQ (see Farm Rhenosterspruit 59JQ)		25° 22' 30" S 27° 07' 30" E	
Rosetta, 26 km W (see Glengarry Park)		30° 15' 00" S 29° 36' 00" E	
Sandrivierbrug			
Sebasa			
Sibosa			
Simuwana		22° 26' 00" S 31° 11' 00" E	
Spring Grove, Elandslaagte			
Stangene Dam		22° 48' 00" S 31° 17' 00" E	
Stellenbosch Flats			
Swartkop, Diamond area Nr 1		28° 33' 00" S 16° 25' 00" E	
Thabaphaswa		24° 03' 00" S 29° 02' 00" E	
The Cape (see Cape province)			
Townlands of Mathinus Wesselstroom	ca.	27° 22' 14" S 30° 07' 58" E	1761 m
Transvaal			
Rhin. Z.			
Tshaneni [mountain]		27° 37' 00" S 32° 04' 00" E	
Tshokwani		24° 46' 35" S 31° 51' 21" E	
Tweespruit, Stratheam		29° 07' 30" S 27° 07' 30" E	
Walmer, Port Elizabeth		33° 59' 00" S 25° 35' 00" E	71 m
War Grave, 40 mi [=64 km] W, on Molopo River		25° 52' 30" S 26° 07' 30" E	
Western Cape province			
Boland district (see Cape Winelands district)			
Cape Winelands district (see also: Boland district)			
Algeria (see Algeria Forestry Station)		32° 23' 00" S 19° 04' 00" E	
Algeria Forestry Station (see also: Algeria, Algeria State Forest, Clanwilliam, 28 km SSE)		32° 23' 00" S 19° 04' 00" E	
Cedarberg [Farmstead] (see Sederberg [Farmstead])		32° 30' 00" S 19° 16' 00" E	
Cederberg [Farmstead] (see Sederberg [Farmstead])		32° 30' 00" S 19° 16' 00" E	
Sederberg [Farmstead] (see also: Cedarberg [Farmstead], Cederberg [Farmstead])		32° 30' 00" S 19° 16' 00" E	

Algeria State Forest (see Algeria Forestry Station)		32° 23' 00" S 19° 04' 00" E	
Baden, Farm (see Farm "Baden")		33° 42' 14" S 20° 07' 14" E	350 m
Boesman Grotte (see Farm Guano Caves 163)		33° 49' 58" S 20° 10' 28" E	420 m
Bushmans Caves (see Farm Guano Caves 163)		33° 49' 58" S 20° 10' 28" E	420 m
Ceres (see Ceres Peak), Mitchell's Pass		33° 23' 00" S 19° 16' 00" E	
Ceres Peak, Mitchell's Pass (see also: Ceres)		33° 23' 00" S 19° 16' 00" E	
Ceres, near	ca.	33° 22' 00" S 19° 19' 00" E	ca. 500 m
Citrusdal		32° 36' 00" S 19° 01' 00" E	200 m
Citrusdal, 10 mi [=16 km] N (see Hex River Estates)		33° 30' 00" S 19° 35' 00" E	200 m
Clanwilliam, 12 km ENE (see Pakhuis Pass, Kliphuis camp site)		32° 08' 10" S 19° 00' 10" E	693 m
Clanwilliam, 18 mi [=29 km] NE (see Traveller's Rest;)		32° 04' 00" S 19° 05' 00" E	500 ft
Clanwilliam, 28 km SSE (see Algeria Forestry Station)		32° 23' 00" S 19° 04' 00" E	
Farm "Baden", 9.2 km N Montagu (see also: Baden, Farm, Montagu, 9.2 km N)		33° 42' 14" S 20° 07' 14" E	350 m
Farm 163 (Guano Caves) (see Farm Guano Caves 163)		33° 49' 58" S 20° 10' 28" E	420 m
Farm Guano Caves 163, 5.2 km S, 5.0 km E Montagu (see also: Boesman Grotte, Bushmans Caves, Farm 163 (Guano Caves), Guano Caves, Farm 163, Montagu, 5.2 km S, 5.0 km E)		33° 49' 58" S 20° 10' 28" E	420 m
Farm Vrolijkheid (see Vrolijkheid Nature Reserve)		33° 55' 00" S 19° 52' 00" E	221 m
Guano Caves, Farm 163 (see Farm Guano Caves 163)		33° 49' 58" S 20° 10' 28" E	420 m
Hex River Estates, 10 mi [=16 km] N Citrusdal (see also: Citrusdal, 10 mi [=16 km] N)		33° 28' 00" S 18° 59' 00" E	200 m
Le Roux Farm		33° 54' 17" S 18° 48' 36" E	
Lormarins, Paarl		33° 53' 00" S 19° 03' 00" E	
Mitchells Pass		33° 22' 00" S 19° 20' 00" E	
Montagu Mountain Reserve, 2 km N, 3 km W Montagu (see also: Montagu, 2 km N, 3 km W)		33° 46' 00" S 20° 05' 00" E	300 m
Montagu, 2 km N, 3 km W (see Montagu Mountain Reserve)		33° 46' 00" S 20° 05' 00" E	300 m
Montagu, 5.2 km S, 5.0 km E (see Farm Guano Caves 163)		33° 49' 58" S 20° 10' 28" E	420 m
Montagu, 9.2 km N (see Farm "Baden")		33° 42' 14" S 20° 07' 14" E	350 m
Pakhuis Pass, Kliphuis camp site, 12 km ENE Clanwilliam (see also: Clanwilliam, 12 km ENE)		32° 08' 10" S 19° 00' 10" E	693 m
Robertson		33° 48' 00" S 19° 53' 00" E	180 m
Robertson, 12 km S, 0.5 km W (see Vrolijkheid Nature Reserve)		33° 55' 00" S 19° 52' 00" E	221 m
Robertson, 15 km SW (see Vrolijkheid Nature Reserve)		33° 55' 00" S 19° 53' 00" E	221 m
Stellenbosch		33° 56' 00" S 18° 51' 00" E	91 m
Traveller's Rest;, 18 mi NE Clanwilliam (see also: Clanwilliam, 18 mi [=29 km] NE)		32° 04' 00" S 19° 05' 00" E	500 ft
Vrolijkheid Nature Reserve, 12 km S, 0.5 km W Robertson (see also: Farm Vrolijkheid, Robertson, 12 km S, 0.5 km W, Robertson, 15 km SW, Vrolijkheid, Farm)		33° 55' 00" S 19° 53' 00" E	221 m
Vrolijkheid, Farm (see Vrolijkheid Nature Reserve)		33° 55' 00" S 19° 52' 00" E	221 m
Central Karoo district			
Alexanderskraal, Farm (see Farm Alexanderskraal)		32° 18' 35" S 23° 25' 00" E	3000 ft
Beaufort West, 2 km NW (see Karoo National Park)		32° 15' 00" S 22° 35' 00" E	1000 m
Beaufort West, 23 km N (see Matjies Vlei)		32° 08' 00" S 22° 33' 00" E	
Beaufort West, 9 km NW (see Karoo National Park)		32° 20' 00" S 22° 33' 00" E	
Cathcart		32° 18' 00" S 27° 08' 00" E	1168 m
Doornbosch, Farm (see Farm Doornbosch)		32° 02' 42" S 24° 04' 46" E	1500 m
Eloffshoek, Farm (see Farm Eloffshoek)		31° 53' 42" S 23° 36' 52" E	1100 m
Farm 152 (Vrisgewaagd) (see Farm Vrisgewaagd 152)		33° 15' 47" S 21° 52' 57" E	600 m
Farm 154 (Scholtze Kloof) (see Farm Scholtze Kloof 154)		33° 15' 36" S 21° 59' 47" E	675 m
Farm Alexanderskraal, 40.2 km S, 31.8 km W Murraysburg (see also: Alexanderskraal, Farm, Murraysburg, 40.2 km S, 31.8 km W)		32° 18' 35" S 23° 25' 00" E	3000 ft

Farm Doornbosch, 14.5 km S, 38.5 km E Murraysburg (see also: Doornbosch, Farm, Murraysburg, 14.5 km S, 38.5 km E)		32° 02' 42" S 24° 04' 46" E	1500 m
Farm Eloffshoek, 7.5 km N, 14.1 km W Murraysburg (see also: Eloffshoek, Farm, Murraysburg, 7.5 km N, 14.1 km W)		31° 53' 42" S 23° 36' 52" E	1100 m
Farm Scholtze Kloof 154, 3.7 km S, 3.2 km W Prince Albert (see also: Farm 154 (Scholtze Kloof), Prince Albert, 3.7 km S, 3.2 km W, Scholtze Kloof, Farm 154)		33° 15' 36" S 21° 59' 47" E	675 m
Farm Vrisgewaagd 152, 4.0 km S, 13.9 km W Prince Albert (see also: Farm 152 (Vrisgewaagd), Prince Albert, 4.0 km S, 13.9 km W, Vrisgewaagd, Farm 152)		33° 15' 47" S 21° 52' 57" E	600 m
Karoo National Park, 9 km NW Beaufort West (see also: Beaufort West, 2 km NW, Beaufort West, 9 km NW)		32° 20' 00" S 22° 33' 00" E	
Matjies Vlei, 23 km N Beaufort West (see also: Beaufort West, 23 km N)		32° 08' 00" S 22° 33' 00" E	
Murraysburg, 14.5 km S, 38.5 km E (see Farm Doornbosch)		32° 02' 42" S 24° 04' 46" E	1500 m
Murraysburg, 16.0 km N, 17.2 km W		31° 47' 00" S 23° 34' 46" E	1140 m
Murraysburg, 40.2 km S, 31.8 km W (see Farm Alexanderskraal)		32° 18' 35" S 23° 25' 00" E	3000 ft
Murraysburg, 7.5 km N, 14.1 km W (see Farm Eloffshoek)		31° 53' 42" S 23° 36' 52" E	1100 m
Murraysburg, NW of		31° 52' 00" S 23° 37' 00" E	
Prince Albert, 3.7 km S, 3.2 km W (see Farm Scholtze Kloof 154)		33° 15' 36" S 21° 59' 47" E	675 m
Prince Albert, 4.0 km S, 13.9 km W (see Farm Vrisgewaagd 152)		33° 15' 47" S 21° 52' 57" E	600 m
Scholtze Kloof, Farm 154 (see Farm Scholtze Kloof 154)		33° 15' 36" S 21° 59' 47" E	675 m
Vrisgewaagd, Farm 152 (see Farm Vrisgewaagd 152)		33° 15' 47" S 21° 52' 57" E	600 m
City of Cape Town district			
Battelary, Langebaan		33° 09' 00" S 18° 06' 00" E	
Cape of Good Hope (see Cape Peninsula)		34° 10' 00" S 18° 20' 00" E	
Cape of Good Hope (peninsula) (see Cape Peninsula)		34° 10' 00" S 18° 20' 00" E	
Cape Peninsula (see also: Cape of Good Hope, Cape of Good Hope (peninsula), Kaapse Skiereiland)		34° 10' 00" S 18° 20' 00" E	
Cape Town (see also: Kaapstad)		33° 55' 00" S 18° 25' 00" E	6 m
Kenilworth		33° 59' 00" S 18° 28' 00" E	
Little Mowbray		33° 56' 53" S 18° 29' 05" E	
Tafelberg		33° 57' 43" S 18° 24' 35" E	
Cape Town, near	ca.	33° 55' 00" S 18° 25' 00" E	
Durbanville		33° 50' 00" S 18° 39' 00" E	174 m
Farm Geelbek, Langebaan (see also: Geelbek Farm)		33° 12' 00" S 18° 08' 00" E	
Geelbek Farm (see Farm Geelbek), Langebaan		33° 12' 00" S 18° 08' 00" E	
Hout Bay (see Houtbaai)		34° 04' 00" S 18° 22' 00" E	
Houtbaai (see also: Hout Bay)		34° 04' 00" S 18° 22' 00" E	
Kaapse Skiereiland (see Cape Peninsula)		34° 10' 00" S 18° 20' 00" E	
Kaapstad (see Cape Town)		33° 55' 00" S 18° 25' 00" E	6 m
Postberg Nature Reserve, Langebaan		33° 07' 00" S 18° 00' 00" E	
Saldanha Bay (see also: Saldanhabaai)		33° 03' 00" S 18° 00' 00" E	
Saldanhabaai (see Saldanha Bay)		33° 03' 00" S 18° 00' 00" E	
Simon's Town (see also: Simonstad, Simonstown)		34° 11' 00" S 18° 26' 00" E	0 m
Simonstad (see Simon's Town)		34° 11' 00" S 18° 26' 00" E	0 m
Simonstown (see Simon's Town)		34° 11' 00" S 18° 26' 00" E	0 m
Strand		34° 06' 02" S 18° 49' 23" E	20 m
Table Mountain, Platteklip, Cape Town		33° 57' 00" S 18° 25' 00" E	
Wynberg, Cape Town (see also: Wynberg cave)		34° 00' 00" S 18° 28' 00" E	84 m
Wynberg cave (see Wynberg), Cape Town		34° 01' 00" S 18° 28' 00" E	
De Hel			
Eden district			
Belvedere, near Knysna		34° 02' 00" S 22° 59' 00" E	

Bergplaas (see also: Bergplaast)		33° 53' 00" S 22° 40' 00" E	444 m
Bergplaast (see Bergplaas)		33° 53' 00" S 22° 40' 00" E	444 m
Buffel Rivier Poort, Farm (see Farm Buffel Rivier Poort), Ladismith NW		33° 22' 00" S 21° 37' 00" E	420 m
Bushcamp (see Tierkloof), Gamkaberg		33° 44' 30" S 21° 53' 30" E	
De Hoek, Skeleton Cave (see Oudtshoorn), Oudtshoorn		33° 35' 00" S 22° 12' 00" E	328 m
De Nysna (see Knysna)		34° 02' 00" S 23° 02' 00" E	0 m
Deepwalls (see Diepwalle State Forest)		33° 56' 00" S 23° 09' 00" E	
Deepwalls Forest Station (see Diepwalle State Forest)		33° 56' 00" S 23° 09' 00" E	
Diepwalle State Forest, 14 km NNE Knysna (see also: Deepwalls, Deepwalls Forest Station, Knysna, 14 km NNE)		33° 56' 00" S 23° 09' 00" E	
Dysselsdorp, 8 km SE (see Kammannassie M.C.A [Camp 2])		33° 36' 00" S 22° 33' 00" E	
Ebb-And-Flow (see also: Wildernis, 1 km N, 3 km E)		33° 59' 00" S 22° 36' 00" E	30 m
Farm Buffel Rivier Poort, 2.5 km N, 26.0 km W Ladismith (see also: Buffel Rivier Poort, Farm, Ladismith, 2.5 km N, 26.0 km W)		33° 27' 56" S 20° 59' 00" E	420 m
Farm Vleiplaas, 2.8 km N, 3.8 km E Uniondale (see also: Uniondale, 2.8 km N, 3.8 km E, Vleiplaas, Farm)		33° 37' 49" S 23° 10' 04" E	760 m
Farm Zeekoegats Drift, 2.5 km S, 12.6 km W Ladismith (see also: Ladismith, 2.5 km S, 12.6 km W, Zeekoegats Drift, Farm)		33° 30' 39" S 21° 05' 42" E	380 m
Gamkapoort Nature Reserve		33° 16' 00" S 21° 45' 00" E	
Garcia Bosreservaat (see Garcia Forest Reserve)		34° 01' 10" S 21° 13' 21" E	160 m
Garcia Forest Reserve, 8.4 km N, 3.0 km W Riversdale (see also: Garcia Bosreservaat, Garcia State Forest, Riversdale, 8.4 km N, 3.0 km W)		34° 01' 10" S 21° 13' 21" E	160 m
Garcia State Forest (see Garcia Forest Reserve)		34° 01' 10" S 21° 13' 21" E	160 m
George, 1.6 km N, 5.9 km E (see Saasveld)		33° 57' 00" S 22° 31' 00" E	213 m
Goukamma Nature Reserve, 3.0 km S, 10.0 km W Knysna (see also: Knysna, 3.0 km S, 10.0 km W, Knysna, 3.8 km S, 9,3 km W)		34° 03' 00" S 22° 56' 00" E	30 m
Groot River, near Knysna	ca.	34° 00' 00" S 23° 00' 00" E	
Grootvadersbosch, Montagu / Swellendam		33° 50' 00" S 20° 53' 00" E	
Herbertsdale		34° 01' 00" S 21° 45' 00" E	100 m
Kammannassie M.C.A [Camp 2], 8 km SE Dysselsdorp (see also: Dysselsdorp, 8 km SE)		33° 36' 00" S 22° 33' 00" E	
Keurbooms Nature Reserve, 6 km N, 2.5 km E Plettenberg Bay (see also: Keurboomsrivier Nature Reserve, Plettenberg Bay, 6 km N, 2.5 km E)		34° 00' 00" S 23° 24' 00" E	20 m
Keurboomsrivier Nature Reserve (see Keurbooms Nature Reserve)		34° 00' 00" S 23° 24' 00" E	20 m
Knysna (see also: De Nysna, Millwood Goldmine (museum))		34° 02' 00" S 23° 02' 00" E	0 m
Knysna, 14 km NNE (see Diepwalle State Forest)		33° 56' 00" S 23° 09' 00" E	
Knysna, 3.0 km S, 10.0 km W (see Goukamma Nature Reserve)		34° 03' 00" S 22° 56' 00" E	30 m
Knysna, 3.8 km S, 9,3 km W (see Goukamma Nature Reserve)		34° 03' 00" S 22° 56' 00" E	30 m
Ladismith, 2.5 km N, 26.0 km W (see Farm Buffel Rivier Poort)		33° 27' 56" S 20° 59' 00" E	420 m
Ladismith, 2.5 km S, 12.6 km W (see Farm Zeekoegats Drift)		33° 30' 39" S 21° 05' 42" E	380 m
Lignite cave, near Knysna	ca.	34° 02' 00" S 23° 02' 00" E	
Millwood Goldmine (museum) (see Knysna)		33° 53' 20" S 22° 59' 44" E	
Natures Valley Village		33° 58' 00" S 23° 34' 00" E	207 m
Oudtshoorn (see also: De Hoek, Skeleton Cave)		33° 35' 00" S 22° 12' 00" E	328 m
Plettenberg Bay, 6 km N, 2.5 km E (see Keurbooms Nature Reserve)		34° 00' 00" S 23° 24' 00" E	20 m
Riversdale, 8.4 km N, 3.0 km W (see Garcia Forest Reserve)		34° 01' 10" S 21° 13' 21" E	160 m
Saarsveld Forestry School (see Saasveld)		33° 57' 00" S 22° 31' 00" E	213 m

Saasveld, 1.6 km N, 5.9 km E George (see also: George, 1.6 km N, 5.9 km E, Saarsveld Forestry School, Saasveld Forestry College, Saasveld Forestry Research Station, Saasveld Forestry School)	33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry College (see Saasveld), George	33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry Research Station (see Saasveld), George	33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry School (see Saasveld), George	33° 57' 00" S 22° 31' 00" E	213 m
Stilbaai, Riversdale (see also: Still Bay, Stillbaai)	34° 22' 00" S 21° 25' 00" E	1 m
Still Bay (see Stilbaai)	34° 22' 00" S 21° 25' 00" E	1 m
Stillbaai (see Stilbaai)	34° 22' 00" S 21° 25' 00" E	1 m
Tierkloof, Gamkaberg (see also: Bushcamp)	33° 44' 30" S 21° 53' 30" E	
Uniondale, 2.8 km N, 3.8 km E (see Farm Vleiplaas)	33° 37' 49" S 23° 10' 04" E	760 m
Vleiplaas, Farm (see Farm Vleiplaas)	33° 37' 49" S 23° 10' 04" E	760 m
Wildernis, 1 km N, 3 km E (see Ebb-And-Flow)	33° 59' 00" S 22° 36' 00" E	30 m
Zeekoegats Drift, Farm (see Farm Zeekoegats Drift), Ladismith, SW	33° 37' 00" S 21° 37' 00" E	380 m
Overberg district		
"Onmeetbare" cave (see Bredasdorp)	34° 32' 00" S 20° 02' 00" E	114 m
Bontebok National Park (see Lang-Elsieskraal Bontebok Park)	34° 05' 00" S 20° 27' 00" E	70 m
Botrivier	34° 13' 00" S 19° 12' 00" E	75 m
Bredasdorp (see also: "Onmeetbare" cave)	34° 32' 00" S 20° 02' 00" E	114 m
Bredasdorp, 16.2 km S, 17.8 km W (see Waenhuiskrans Overhangs)	34° 40' 44" S 20° 14' 04" E	0 m
Bredasdorp, 16.4 km N, 21.5 km W (see Farm Swq 1032)	34° 23' 04" S 19° 48' 27" E	166 m
Bredasdorp, 2 km N, 6 km E (see De Hoop Nature Reserve)	34° 27' 18" S 20° 23' 57" E	50 m
Bredasdorp, 32 km ENE (see De Hoop Nature Reserve)	34° 27' 18" S 20° 23' 57" E	50 m
De Hoop Nature Reserve, 32 km ENE Bredasdorp (see also: Bredasdorp, 2 km N, 6 km E, Bredasdorp, 32 km ENE, De Hoop Natuurreservaat, De Hoop Private Nature Reserve, De Hoop Provincial Nature Reserve, De Hoop, wildproefplaats, Roossenekal, 40 km N)	34° 27' 18" S 20° 23' 57" E	
De Hoop Guano Cave, 32 km ENE Bredasdorp	34° 25' 00" S 20° 24' 00" E	
De Hoop Natuurreservaat (see De Hoop Nature Reserve)	34° 27' 18" S 20° 23' 57" E	50 m
De Hoop Private Nature Reserve (see De Hoop Nature Reserve), 40 km N Roossenekal; 32 km ENE Bredasdorp	34° 27' 18" S 20° 23' 57" E	
De Hoop Provincial Nature Reserve (see De Hoop Nature Reserve)	34° 27' 18" S 20° 23' 57" E	
De Hoop, wildproefplaats (see De Hoop Nature Reserve), Wildproefplaats "De Hoop"	34° 27' 18" S 20° 23' 57" E	
Elim, 17.5 km S, 5.7 km W (see Farm Ratelfontein)	34° 44' 50" S 19° 41' 45" E	30 m
Farm 1032 (Swq) (see Farm Swq 1032)	34° 23' 04" S 19° 48' 27" E	166 m
Farm Ratelfontein, 17.5 km S, 5.7 km W Elim (see also: Elim, 17.5 km S, 5.7 km W, Ratelfontein, Farm)	34° 44' 50" S 19° 41' 45" E	30 m
Farm Swq 1032, 16.4 km N, 21.5 km W Bredasdorp (see also: Bredasdorp, 16.4 km N, 21.5 km W, Farm 1032 (Swq), Swq, Farm 1032)	34° 23' 04" S 19° 48' 27" E	166 m
Farm Zoetendalsvlei, Bredasdorp (see also: Zoetendalsvlei, Farm)	34° 45' 00" S 19° 59' 00" E	
Grootvadersbosch Forest Reserve, 22 km NW Heidelberg (see also: Heidelberg, 22 km NW)	34° 02' 00" S 20° 46' 00" E	
Harold Porter Botanical Reserve, 0.5 km S, 10.1 km W Kleinmond (see also: Kleinmond, 0.5 km S, 10.1 km W)	34° 20' 49" S 18° 55' 33" E	60 m
Heidelberg, 22 km NW (see Grootvadersbosch Forest Reserve)	34° 02' 00" S 20° 46' 00" E	
Jonkershoek Forest Reserve (see Jonkershoek Staatsbos), 10 km SE Stellenbosch	33° 57' 44" S 18° 55' 37" E	
Jonkershoek Nature Conservation Research Station (see Jonkershoek Staatsbos)	33° 57' 44" S 18° 55' 37" E	
Jonkershoek Nature Reserve (see Jonkershoek Staatsbos), 10 km SE Stellenbosch	33° 57' 44" S 18° 55' 37" E	

Jonkershoek research station (see Jonkershoek Staatsbos)	33° 57' 44" S 18° 55' 37" E	
Jonkershoek Staatsbos, 10 km SE Stellenbosch (see also: Jonkershoek Forest Reserve, Jonkershoek Nature Conservation Research Station, Jonkershoek Nature Reserve, Jonkershoek research station, Stellenbosch, 10 km SE)	33° 57' 44" S 18° 55' 37" E	
Kleinmond, 0.5 km S, 10.1 km W (see Harold Porter Botanical Reserve)	34° 20' 49" S 18° 55' 33" E	60 m
Lang-Elsieskraal Bontebok Park, 6 km S, 1 km E Swellendam (see also: Bontebok National Park, Swellendam, 6 km S, 1 km E)	34° 05' 00" S 20° 27' 00" E	70 m
Montagu caves, near Ashton (see also: Montague cave(s))	33° 47' 10" S 20° 07' 22" E	
Montague cave(s) (see Montagu caves), near Ashton	33° 47' 10" S 20° 07' 22" E	
Ratelfontein, Farm (see Farm Ratelfontein)	34° 44' 50" S 19° 41' 45" E	30 m
Roossenekal, 40 km N (see De Hoop Nature Reserve)	34° 27' 18" S 20° 23' 57" E	
Stellenbosch, 10 km SE (see Jonkershoek Staatsbos)	33° 57' 44" S 18° 55' 37" E	
Swellendam (see also: Swellidam)	34° 02' 00" S 20° 26' 00" E	159 m
Swellendam, 6 km S, 1 km E (see Lang-Elsieskraal Bontebok Park)	34° 05' 00" S 20° 27' 00" E	70 m
Swellidam (see Swellendam)	34° 02' 00" S 20° 26' 00" E	159 m
Swq, Farm 1032 (see Farm Swq 1032)	34° 23' 04" S 19° 48' 27" E	166 m
Voëlklip, 7th Street	34° 22' 59" S 19° 16' 00" E	8 m
Waenhuiskrans Cliffs (see Waenhuiskrans Overhangs)	34° 40' 44" S 20° 14' 04" E	0 m
Waenhuiskrans Overhangs, 16.2 km S, 17.8 km W Bredasdorp (see also: Bredasdorp, 16.2 km S, 17.8 km W, Waenhuiskrans Cliffs)	34° 40' 44" S 20° 14' 04" E	0 m
Worcester, Berg River	33° 52' 00" S 19° 07' 00" E	
Steenkampskraal Mine, 7 km SSE Van Rhynsdorp	30° 59' 10" S 18° 37' 45" E	
Vanchynardorp, 5 mi [=8 km] E		
West Coast district		
Aurora, 8.0 km N, 3.0 km W (see Farm Rietfontein)	32° 38' 00" S 18° 28' 00" E	125 m
Berg River (see Farm Kersefontein), 16 km N Hopefield	32° 54' 13" S 18° 19' 51" E	
Clanwilliam	32° 08' 00" S 18° 57' 00" E	600 m
Compagnies Drif, 10 mi inland Lamberts Bay (see also: Compagnies Drift, Compagniesdrift Farm, Farm Compagniesdrift, Lamberts Bay, 10 mi [=16 km] inland, Lambert's Bay, 4 km S, 14 km E)	32° 07' 00" S 18° 27' 00" E	100 m
Compagnies Drift (see Compagnies Drif), 10 mi inland Lamberts Bay	32° 08' 00" S 18° 27' 00" E	100 m
Compagniesdrift Farm (see Compagnies Drif)	32° 07' 00" S 18° 27' 00" E	100 m
Darling, 2.0 km S, 5.1 km W (see Farm Doorn Fontein 574)	33° 23' 40" S 18° 19' 36" E	105 m
Darling, 3.3 km S, 0.1 km E (see Farm Drie Papen Fontein 576)	33° 24' 21" S 18° 22' 56" E	290 m
Doorn Fontein, Farm 574 (see Farm Doorn Fontein 574)	33° 23' 40" S 18° 19' 36" E	105 m
Drie Papen Fontein, Farm 576 (see Farm Drie Papen Fontein 576)	33° 24' 21" S 18° 22' 56" E	290 m
Dwarskersbos, 11 km N, 9 km W (see Rocher Pan Nature Reserve)	32° 37' 00" S 18° 22' 00" E	20 m
Dwarskersbos, 9.1 km N, 6.6 km E (see Rocherpan Nature Reserve)	32° 36' 00" S 18° 19' 00" E	20 m
Eenheid, Farm (see Farm Eenheid)	32° 34' 03" S 18° 40' 44" E	30 m
Elandsbaai, 1.2 km S, 0.2 km E (see Rhebok Plaat Berg)	32° 19' 19" S 18° 20' 29" E	60 m
Elandsbaai, 28.4 km S, 31.7 km E (see Farm Eenheid)	32° 34' 03" S 18° 40' 44" E	30 m
Elandsbaai, 9.9 km S, 12.3 km E (see Farm Groote Drift)	32° 24' 00" S 18° 28' 23" E	10 m
Elandsfontein Phosphate mine (see also: Hopefield mine)	33° 05' 46" S 18° 11' 59" E	
Farm 230 (Wagondrift) (see Farm Wagondrift 230), 16 km SSE Lamberts Bay	32° 13' 00" S 18° 21' 00" E	
Farm 574 (Doorn Fontein) (see Farm Doorn Fontein 574)	33° 23' 40" S 18° 19' 36" E	105 m

Farm 576 (Drie Papen Fontein) (see Farm Drie Papen Fontein 576)	33° 24' 21" S 18° 22' 56" E	290 m
Farm A80 (Mouton's Valley) (see Farm Mouton's Valley A80)	32° 46' 11" S 18° 43' 08" E	545 m
Farm Compagniesdrift (see Compagnies Drif)	32° 07' 00" S 18° 27' 00" E	100 m
Farm Doorn Fontein 574, 2.0 km S, 5.1 km W Darling (see also: Darling, 2.0 km S, 5.1 km W, Doorn Fontein, Farm 574, Farm 574 (Doorn Fontein))	33° 23' 40" S 18° 19' 36" E	105 m
Farm Drie Papen Fontein 576, 3.3 km S, 0.1 km E Darling (see also: Darling, 3.3 km S, 0.1 km E, Drie Papen Fontein, Farm 576, Farm 576 (Drie Papen Fontein))	33° 24' 21" S 18° 22' 56" E	290 m
Farm Eenheid, 28.4 km S, 31.7 km E Elandsbaai (see also: Eenheid, Farm, Elandsbaai, 28.4 km S, 31.7 km E)	32° 34' 03" S 18° 40' 44" E	30 m
Farm Groote Drift, 9.9 km S, 12.3 km Eelandsbaai (see also: Elandsbaai, 9.9 km S, 12.3 km E, Groote Drift, Farm, Piketburg)	32° 24' 00" S 18° 28' 23" E	10 m
Farm Kersefontein, 16 km N Hopefield (see also: Berg River, Hopefield, 16 km N, Kersefontein, Farm)	32° 54' 13" S 18° 19' 51" E	
Farm Modderfontein (see also: Malmesbury, 13 km NE, Modderfontein, Farm)	33° 25' 00" S 18° 51' 00" E	
Farm Mouton's Valley A80, 15.2 km N, 3.5 km W Piketberg (see also: Farm A80 (Mouton's Valley), Mouton's Valley, Farm A80, Piketberg, 15.2 km N, 3.5 km W)	32° 46' 11" S 18° 43' 08" E	545 m
Farm Rietfontein, 8.0 km N, 3.0 km W Aurora (see also: Aurora, 8.0 km N, 3.0 km W, Rietfontein, Farm)	32° 38' 00" S 18° 28' 00" E	125 m
Farm Wagondrift 230, 16 km SSE Lamberts Bay (see also: Farm 230 (Wagondrift), Lamberts Bay, 16 km SSE, Wagondrift, Farm 230)	32° 13' 00" S 18° 21' 00" E	
Groote Drift, Farm (see Farm Groote Drift), SE Elandsbaai, Piketburg	32° 26' 00" S 18° 27' 00" E	10 m
Het Kruis	32° 36' 00" S 18° 45' 00" E	100 m
Hollebaks Strandfontein, 10.2 km S, 26.3 km W Vredendal (see also: Vredendal, 10.2 km S, 26.3 km W)	31° 45' 18" S 18° 13' 52" E	50 m
Hopefield (see also: WCNP, Bottelary)	33° 04' 00" S 18° 21' 00" E	56 m
Hopefield mine (see Elandsfontein Phosphate mine)	33° 05' 46" S 18° 11' 59" E	
Hopefield, 16 km N (see Farm Kersefontein)	32° 54' 13" S 18° 19' 51" E	
Kersefontein, Farm (see Farm Kersefontein), 16 km N Hopefield	32° 54' 13" S 18° 19' 51" E	
Klarer (see Klawer), Van Rhynsdorp	31° 46' 59" S 18° 40' 36" E	65 m
Klaver (see Klawer), Van Rhynsdorp	31° 46' 59" S 18° 40' 36" E	65 m
Klawer, Van Rhynsdorp (see also: Klarer, Klaver)	31° 46' 59" S 18° 40' 36" E	65 m
Lamberts Bay, 10 mi [=16 km] inland (see Compagnies Drif)	32° 08' 00" S 18° 27' 00" E	100 m
Lamberts Bay, 16 km SSE (see Farm Wagondrift 230)	32° 13' 00" S 18° 21' 00" E	
Lambert's Bay, 4 km S, 14 km E (see Compagnies Drif)	32° 07' 00" S 18° 27' 00" E	100 m
Lamberts Bay, 6 km E	32° 05' 00" S 18° 20' 00" E	
Lamberts Bay, 8 km E	32° 05' 00" S 18° 20' 00" E	
Malmesbury, 13 km NE (see Farm Modderfontein)	33° 25' 00" S 18° 51' 00" E	
Modderfontein, Farm (see Farm Modderfontein), 13 km NE Malmesbury	33° 25' 00" S 18° 51' 00" E	
Mouton's Valley, Farm A80 (see Farm Mouton's Valley A80)	32° 46' 11" S 18° 43' 08" E	545 m
Olifants River, Clanwilliam	32° 21' 00" S 18° 57' 00" E	
Paddagat	31° 08' 00" S 18° 11' 00" E	240 m
Piketberg, 15.2 km N, 3.5 km W (see Farm Mouton's Valley A80)	32° 46' 11" S 18° 43' 08" E	545 m
Piketburg (see Farm Groote Drift), SE Elandsbaai	32° 26' 00" S 18° 27' 00" E	10 m
Redelinghuys, 20.0 km N, 3 km E (see Sandberg)	32° 17' 00" S 18° 35' 00" E	100 m
Rhebok Plaat Berg, 1.2 km S, 0.2 km E Elandsbaai (see also: Elandsbaai, 1.2 km S, 0.2 km E)	32° 19' 19" S 18° 20' 29" E	60 m
Rietfontein, Farm (see Farm Rietfontein)	32° 38' 00" S 18° 28' 00" E	125 m
Rocher pan (see Rocher Pan Nature Reserve), 11 km N, 9 km W, Dwarskersbos	32° 37' 00" S 18° 22' 00" E	20 m

Rocher Pan Nature Reserve, 11 km N, 9 km W, Dwarskersbos (see also: Dwarskersbos, 11 km N, 9 km W, Rocher pan, Rocherpan Nature Reserve)		32° 37' 00" S 18° 22' 00" E	20 m
Rocherpan Nature Reserve (see Rocher Pan Nature Reserve), 11 km N, 9 km W, Dwarskersbos (see also: Dwarskersbos, 9.1 km N, 6.6 km E)		32° 36' 00" S 18° 19' 00" E	20 m
Sandberg, 20.0 km N, 3 km E Redelinghuys (see also: Redelinghuys, 20.0 km N, 3 km E)		32° 17' 00" S 18° 35' 00" E	100 m
State Land, 10.7 km S, 26.9 km W Vredendal (see also: Vredendal, 10.7 km S, 26.9 km W)		31° 45' 18" S 18° 13' 52" E	6 m
Vredendal, 10.2 km S, 26.3 km W (see Hollebaks Strandfontein)		31° 45' 18" S 18° 13' 52" E	50 m
Vredendal, 10.7 km S, 26.9 km W (see State Land)		31° 45' 18" S 18° 13' 52" E	6 m
Wagondrift, Farm 230 (see Farm Wagondrift 230), 16 km SSE Lamberts Bay		32° 13' 00" S 18° 21' 00" E	
WCNP, Bottelary (see Hopefield), Hopefield		33° 04' 00" S 18° 21' 00" E	56 m
Ysterfontein [Farmstead]		33° 20' 00" S 18° 09' 00" E	10 m
West Coast National Park, Geelbek			
Wilro Park, Roodepoort		26° 06' 47" S 27° 51' 06" E	ca. 1691 m
Witrivier, 11 mi W		25° 18' 00" S 31° 03' 00" E	
Wolwespruit Nature Reserve, Wolmaranstad		27° 25' 00" S 26° 19' 50" E	
Zoetendalsvlei, Farm (see Farm Zoetendalsvlei), Bredasdorp		34° 45' 00" S 19° 59' 00" E	
South Rhodesia (see Zimbabwe)			
South Sudan			
A'aliPC:UN|)			
Al BuPC:EB|)			
Al WaPC:WH|)			
BahrPC:BG|)			
Central Equatoria state (see also: Bahr al Jabal state |PC:BG|)			
Gemeiza		5° 50' 00" N 31° 50' 00" E	
Gondokoro, 25 mi [=40 km] N (see Mongalla)		5° 10' 57" N 31° 45' 00" E	466 m
Jabal Korobi (see Korobi, Jabal)		3° 57' 40" N 30° 53' 46" E	
Jabal Lado (see Lado)		5° 06' 12" N 31° 35' 05" E	
Jabal Otogo, summit (see also: Mount Otogo, summit, Otogo, summit mount)		3° 57' 32" N 30° 34' 59" E	3650 ft
Jebel Nirkenyi (see Lado)		5° 06' 12" N 31° 35' 05" E	
Kagelu		4° 03' 11" N 30° 36' 33" E	834 m
Kajiko North, South of Yei		3° 51' 25" N 30° 36' 27" E	
Kajiko South			
Kajo Kaji, 10 km W	ca.	3° 53' 00" N 31° 40' 00" E	
Kajo Kaji, 10 mi [=16 km] W		3° 53' 00" N 31° 40' 00" E	1173 m
Kajo-Keji county			
Gwortapeng village, Lire Payam, Romogi Boma, Sanga stream		3° 55' 09" N 31° 38' 07" E	924 m
Jabal Giri (see also: Jebel Giri)	ca.	4° 01' 06" N 31° 30' 51" E	
Jale, border checkpoint with Uganda		3° 43' 09" N 31° 39' 32" E	
Jebel Gire, base camp, Kansuk Boma		4° 01' 15" N 31° 31' 15" E	
Jebel Giri (see Jabal Giri)	ca.	4° 01' 06" N 31° 30' 51" E	
Kabi stream, Lire Payam, NW of Mogiri town		3° 56' 52" N 31° 34' 41" E	929 m
Kajo Keji Civil Hospital (see Mundari Civil Hospital)		3° 51' 10" N 31° 39' 26" E	
Kajo-Keji County Health Department Headquarters		3° 51' 10" N 31° 39' 32" E	955 m
Kangapo One Payam, Saregoro Boma, Kalawa stream		3° 49' 59" N 31° 41' 05" E	954 m
Kangapo Two Payam, Jalimo Boma, Juka stream		3° 43' 45" N 31° 34' 17" E	769 m
Kijiri village, Kangapo Two Payam, Jalimo Boma, Juka stream		3° 45' 00" N 31° 35' 00" E	897 m
Kinyiba cave		3° 49' 48" N 31° 34' 40" E	949 m
Kinyiba-Bekat, ca. 1 km W of town center		3° 49' 45" N 31° 35' 14" E	914 m
Kombi stream, behind Reeder compound, Lire Payam		3° 55' 58" N 31° 36' 17" E	950 m
Kungupuri (Bekat) Stream		3° 52' 47" N 31° 38' 42" E	931 m
Lorini stream, Lire Payam, Romogi Boma		3° 55' 08" N 31° 38' 38" E	936 m
Luro cave, base camp		3° 54' 07" N 31° 41' 39" E	945 m
Mari (see Mere)		3° 53' 06" N 31° 40' 14" E	1022 m
Mere, (government offices) (see also: Mari)		3° 53' 06" N 31° 40' 14" E	1022 m
Mogiri Hill, NE of town		3° 56' 56" N 31° 36' 19" E	953 m
Mogiri, NW of town		3° 56' 52" N 31° 34' 40" E	929 m
Mogiri, Reeder family compound, Lire Payam		3° 56' 09" N 31° 36' 29" E	1024 m
Mundari Civil Hospital, Kangapo 2 Payam (see also: Kajo Keji Civil Hospital)		3° 51' 10" N 31° 39' 26" E	

Panyai (Thomas Modi's house)		3° 52' 54" N 31° 39' 40" E	935 m
Wudu Market		3° 50' 54" N 31° 39' 28" E	952 m
Keiro		5° 19' 48" N 31° 45' 22" E	439 m
(see also: Kiro, Sim Sima, Simsima)			
Kiro (see Keiro)		5° 19' 48" N 31° 45' 22" E	439 m
Korobi, Jabal		3° 57' 40" N 30° 53' 46" E	
(see also: Jabal Korobi, Korobi, mount, Mount Korobi)			
Korobi, mount (see Korobi, Jabal)		3° 57' 40" N 30° 53' 46" E	
Lado		5° 02' 02" N 31° 41' 07" E	448 m
(see also: Jabal Lado, Jebel Nirkenyi, Lado, Jabal, Lado, mount, Mount Lado, Nirkenyi, Jebel)			
Lado, Jabal (see Lado)		5° 06' 12" N 31° 35' 05" E	
Lado, mount (see Lado)		5° 06' 12" N 31° 35' 05" E	
Mangala (see Mongalla), 25 mi [=37.5 km] N Gondokoro		5° 10' 57" N 31° 45' 00" E	466 m
Manqalah (see Mongalla)		5° 10' 57" N 31° 45' 00" E	466 m
Mnyouri Jardin			
Mongala (see Mongalla)		5° 10' 57" N 31° 45' 00" E	466 m
Mongalla		5° 10' 57" N 31° 45' 00" E	466 m
(see also: Gondokoro, 25 mi [=40 km] N, Mangala, Manqalah, Mongala, Monqala)			
Monqala (see Mongalla)		5° 10' 57" N 31° 45' 00" E	466 m
Mount Korobi (see Korobi, Jabal)		3° 57' 40" N 30° 53' 46" E	
Mount Lado (see Lado)		5° 06' 12" N 31° 35' 05" E	
Mount Otogo, summit (see Jabal Otogo, summit)		3° 57' 32" N 30° 34' 59" E	3650 ft
Mount Tungu (see Tungu, mount)		4° 22' 00" N 29° 58' 00" E	
Ngangala, 20 mi [=32 km] N		4° 40' 00" N 31° 55' 00" E	
(see also: Njanqala, 20 mi [=32 km] N)			
Nirkenyi, Jebel (see Lado)		5° 06' 12" N 31° 35' 05" E	
Njanqala, 20 mi [=32 km] N (see Ngangala, 20 mi [=32 km] N)		4° 40' 00" N 31° 55' 00" E	
Otogo, summit mount (see Jabal Otogo, summit)		3° 57' 32" N 30° 34' 59" E	3650 ft
Rajjaf, Bahr el Jebel		4° 45' 00" N 31° 35' 00" E	549 m
(see also: Rejaf)			
Rejaf (see Rajjaf), Bahr el Jebel		4° 45' 00" N 31° 35' 00" E	549 m
Sim Sima (see Keiro)		5° 19' 48" N 31° 45' 22" E	439 m
Simsima (see Keiro)		5° 19' 48" N 31° 45' 22" E	439 m
Tarakaka (see Terakeka)		5° 27' 07" N 31° 45' 14" E	436 m
Terakeka		5° 27' 07" N 31° 45' 14" E	436 m
(see also: Tarakaka, Terrakekka, Terrakka)			
Terrakekka (see Terakeka)		5° 27' 07" N 31° 45' 14" E	436 m
Terrakka (see Terakeka)		5° 27' 07" N 31° 45' 14" E	436 m
Tungu, mount		4° 20' 37" N 29° 58' 38" E	
(see also: Mount Tungu)			
Uma river		3° 57' 25" N 31° 42' 30" E	
Yei		4° 05' 29" N 30° 40' 43" E	830 m
(see also: Yey)			
Yey (see Yei)		4° 05' 29" N 30° 40' 43" E	830 m
East Equatoria state			
(see also: Sharq al Istiwa'iyah state |PC:EE|)			
Acholi mountains		4° 04' 55" N 32° 35' 54" E	
(see also: Jebel Choli)			
Jebel Goumia, 45 mi [=72 km] SSW Torit		4° 05' 00" N 32° 36' 00" E	1981 m
Blat Latome (see Latome), 60 mi [=96 km] ESE Torit		4° 07' 00" N 33° 37' 00" E	1257 m
Chalamni, 30 mi [=48 km] E Torit		4° 29' 31" N 32° 54' 55" E	1110 m
(see also: Torit, 30 mi [=48 km] E)			
Didinga mountains, western foothils		4° 20' 00" N 33° 35' 00" E	
Dongotona mountains		4° 11' 08" N 33° 07' 07" E	
(see also: Dongtona mountains)			
Lodwara		4° 11' 08" N 33° 07' 07" E	
Dongtona mountains (see Dongotona mountains)		4° 11' 08" N 33° 07' 07" E	
Fola Rapids (see Fula Rapids), 1 mi N Nimule		3° 36' 38" N 32° 01' 17" E	
Fula Rapids, 1 mi N Nimule		3° 36' 38" N 32° 01' 17" E	
(see also: Fola Rapids, Nimule, 1 mi [=1.6 km] N)			
Gondokoro, on White Nile		4° 54' 00" N 31° 40' 00" E	545 m
Iketos (see Ikoto), 50 mi SE Torit		4° 04' 42" N 33° 06' 32" E	
Ikoto, 50 mi SE Torit		4° 04' 42" N 33° 06' 32" E	
(see also: Iketos, Ikotos, Torit, 50 mi [=80 km] SE)			
Ikotos (see Ikoto), 50 mi SE Torit		4° 04' 42" N 33° 06' 32" E	
Imatong, 10 km S Torit		4° 10' 26" N 32° 45' 11" E	
Imatong mountains		4° 06' 00" N 32° 51' 00" E	
Gilo		4° 02' 18" N 32° 50' 43" E	
Gilo area	ca.	4° 02' 18" N 32° 50' 43" E	
Gilo, 5 mi [=8 km] S		4° 02' 00" N 32° 51' 00" E	

Imurok, 20 mi [=32 km] SE Torit (see also: Torit, 20 mi [=32 km] SE)	4° 18' 46" N 32° 23' 28" E	
Issore, 40 mi [=64 km] S Torit (see also: Torit, 40 mi [=64 km] S)	3° 54' 00" N 32° 48' 00" E	1540 m
Jebel Choli (see Acholi mountains)	4° 04' 55" N 32° 35' 54" E	
Kabuyta (see Kapoeta)	4° 46' 18" N 33° 35' 25" E	654 m
Kapoeta (see also: Kabuyta)	4° 46' 18" N 33° 35' 25" E	654 m
Katire (see Katiri)	4° 02' 32" N 32° 47' 52" E	1067 m
Katiri, 35 mi SSE Torit (see also: Katire, Torit, 35 mi [=56 km] SSE)	4° 02' 32" N 32° 47' 52" E	1067 m
Katuluru, 20 mi [=32 km] W Torit (see also: Torit, 20 mi [=32 km] W)	4° 24' 48" N 32° 16' 33" E	
Kerripi, 30 mi N Nimule (see also: Nimule, 30 mi [=48 km] N)	3° 55' 00" N 31° 55' 00" E	701 m
Kotokeinyang (see Kotokeynyang, mountain)	4° 13' 07" N 32° 47' 50" E	
Kotokeynyang, mountain (see also: Kotokeinyang)	4° 13' 07" N 32° 47' 50" E	
Lafon (see also: Lafoon)	5° 02' 00" N 32° 27' 00" E	604 m
Lafoon (see Lafon)	5° 02' 00" N 32° 27' 00" E	604 m
Latome, 60 mi [=96 km] ESE Torit (see also: Blat Latome, Torit, 60 mi [=96 km] ESE)	4° 07' 00" N 33° 37' 00" E	1257 m
Lawudo, 13 mi N Torit (see also: Torit, 13 mi [=21 km] N)	4° 25' 00" N 32° 34' 00" E	
Loa, 20 mi N Nimule (see also: Nimule, 20 mi [=32 km] N)	3° 48' 00" N 31° 57' 00" E	785 m
Lobira	4° 24' 21" N 33° 03' 23" E	675 m
Loelli (pools), 170 mi [=275 km] ENE Torit (see also: Torit, 275 km ENE)	5° 05' 00" N 34° 35' 00" E	
Lofi, 30 mi [=48 km] ESE Torit (see also: Torit, 30 mi [=48 km] ESE)	4° 14' 22" N 32° 59' 22" E	610 m
Logirim, 30 mi [=48 km] ENE Torit (see also: Torit, 30 mi [=48 km] ENE)	4° 42' 58" N 33° 14' 33" E	639 m
Logwi, 25 mi [=40 km] SSE Torit (see also: Lokwi, Torit, 25 mi [=40 km] SSE)	4° 06' 28" N 32° 43' 14" E	1487 m
Lokomanyang Marsh, Ilemi triangle (see also: Lokomarinyang Marsh, Lokomorinyang, Morunyang)	4° 59' 00" N 34° 41' 00" E	
Lokomarinyang Marsh (see Lokomanyang Marsh), Ilemi triangle	4° 59' 00" N 34° 41' 00" E	
Lokomorinyang (see Lokomanyang Marsh), Ilemi Triangle	4° 59' 00" N 34° 41' 00" E	
Lokwi (see Logwi), 25 mi [=40 km] SSE Torit	4° 06' 28" N 32° 43' 14" E	1487 m
Longairo, 20 mi [=32 km] SE Torit (see also: Torit, 20 mi [=32 km] SE)	4° 02' 25" N 32° 57' 21" E	1487 m
Loqutor, 25 mi [=40 km] ENE Torit (see also: Torit, 25 mi [=40 km] ENE)	4° 34' 53" N 32° 58' 20" E	
Lotti forest	4° 02' 00" N 32° 32' 00" E	
Lowai, 25 mi [=40 km] W Torit	4° 24' 48" N 32° 12' 10" E	
Magwe, 35 mi [=56 km] SW Torit (see also: Torit, 35 mi [=56 km] SW)	4° 08' 17" N 32° 17' 01" E	858 m
Molongori, 25 mi [=40 km] SE Torit (see also: Torit, 25 mi [=40 km] SE)	4° 10' 27" N 32° 50' 32" E	1182 m
Morunyang (see Lokomanyang Marsh), Ilemi Triangle	4° 59' 00" N 34° 41' 00" E	
Mura, 40 mi [=64 km] NE Torit (see also: Torit, 40 mi [=64 km] NE)	4° 48' 00" N 32° 42' 00" E	948 m
Murukiron, 50 mi [=80 km] E Torit (see also: Murukurun, Torit, 50 mi [=80 km] E)	4° 20' 00" N 33° 20' 00" E	1080 m
Murukurun (see Murukiron), 50 mi [=80 km] E Torit	4° 20' 00" N 33° 20' 00" E	1080 m
Nagichot, 100 mi E Torit (see also: Nagishot, Naqishot, Torit, 100 mi [=160 km] E)	4° 16' 38" N 33° 33' 35" E	1981 m
Nagishot (see Nagichot), 100 mi E Torit	4° 16' 38" N 33° 33' 35" E	1981 m
Naqishot (see Nagichot), 100 mi E Torit	4° 16' 38" N 33° 33' 35" E	1981 m
Nimule	3° 36' 00" N 32° 03' 00" E	1219 m
Nimule, 1 mi [=1.6 km] N (see Fula Rapids)	3° 36' 38" N 32° 01' 17" E	
Nimule, 20 mi [=32 km] N (see Loa)	3° 48' 00" N 31° 57' 00" E	785 m
Nimule, 30 mi [=48 km] N (see Kerripi)	3° 55' 00" N 31° 55' 00" E	820 m
Nimule, 30 mi [=48 km] N (see Shukoli)	6° 55' 00" N 31° 46' 00" E	601 m
Okaru, 25 mi [=40 km] W Torit (see also: Torit, 25 mi [=40 km] SE)	4° 29' 29" N 32° 10' 09" E	911 m
Palwar, 45 mi [=72 km] S Torit (see also: Torit, 45 mi [=72 km] S)	3° 55' 00" N 32° 36' 00" E	1237 m
Shukali (see Shukoli), 30 mi [=48 km] N Nimule	6° 55' 00" N 31° 46' 00" E	601 m

Shukoli, 30 mi [=48 km] N Nimule		6° 55' 00" N 31° 46' 00" E	601 m
(see also: Nimule, 30 mi [=48 km] N, Shukali)			
Sunnat		4° 19' 25" N 32° 47' 56" E	914 m
Talanga forest		4° 00' 00" N 32° 44' 00" E	914 m
Tirangole, 20 mi [=32 km] E Torit		4° 28' 41" N 32° 49' 12" E	664 m
(see also: Torit, 20 mi [=32 km] E)			
Torit		4° 24' 48" N 32° 34' 04" E	610 m
Torit district	ca.	4° 24' 48" N 32° 34' 04" E	3000 ft
Torit, 10 km S		4° 00' 00" N 32° 45' 00" E	
Torit, 100 mi [=160 km] E (see Nagichot)		4° 16' 38" N 33° 33' 35" E	1981 m
Torit, 13 mi [=21 km] N (see Lawudo)		4° 25' 00" N 32° 34' 00" E	
Torit, 20 mi [=32 km] E (see Tirangole)		4° 28' 41" N 32° 49' 12" E	664 m
Torit, 20 mi [=32 km] SE (see Imurok)		4° 18' 46" N 32° 23' 28" E	
Torit, 20 mi [=32 km] SE (see Longairo)		4° 02' 25" N 32° 57' 21" E	1487 m
Torit, 20 mi [=32 km] W (see Katuluru)		4° 24' 48" N 32° 16' 33" E	
Torit, 25 mi [=40 km] ENE (see Loqutor)		4° 34' 53" N 32° 58' 20" E	
Torit, 25 mi [=40 km] SE (see Molongori)		4° 10' 27" N 32° 50' 32" E	1182 m
Torit, 25 mi [=40 km] SE (see Okaru)		4° 29' 29" N 32° 10' 09" E	911 m
Torit, 25 mi [=40 km] SSE (see Logwi)		4° 06' 28" N 32° 43' 14" E	1487 m
Torit, 25 mi [=40 km] W (see Torit, 25 mi [=40 km] W)		4° 24' 48" N 32° 12' 10" E	
(see also: Torit, 25 mi [=40 km] W)			
Torit, 275 km ENE (see Loelli (pools))		5° 05' 00" N 34° 35' 00" E	
Torit, 30 mi [=48 km] E (see Chalamni)		4° 29' 31" N 32° 54' 55" E	1110 m
Torit, 30 mi [=48 km] ENE (see Logirim)		4° 42' 58" N 33° 14' 33" E	639 m
Torit, 30 mi [=48 km] ESE (see Lofi)		4° 14' 22" N 32° 59' 22" E	610 m
Torit, 35 mi [=56 km] SSE (see Katiri)		4° 02' 32" N 32° 47' 52" E	1540 m
Torit, 35 mi [=56 km] SW (see Magwe)		4° 08' 17" N 32° 17' 01" E	858 m
Torit, 36 mi [=58 km] E	ca.	4° 08' 00" N 32° 17' 00" E	
Torit, 40 mi [=64 km] NE (see Mura)		4° 48' 00" N 32° 42' 00" E	948 m
Torit, 40 mi [=64 km] S (see Issore)		3° 54' 00" N 32° 48' 00" E	1540 m
Torit, 45 mi [=72 km] S (see Palwar)		3° 55' 00" N 32° 36' 00" E	1237 m
Torit, 50 mi [=80 km] E (see Murukiron)		4° 20' 00" N 33° 20' 00" E	1080 m
Torit, 50 mi [=80 km] SE (see Ikoto)		4° 04' 42" N 33° 06' 32" E	
Torit, 60 mi [=96 km] ESE (see Latome)		4° 07' 00" N 33° 37' 00" E	1257 m
Torit, 80 km E		4° 27' 00" N 32° 31' 00" E	
Torit, near	ca.	4° 24' 48" N 32° 34' 04" E	
Equatoria			
GharbPC:WE|)			
GharbPC:WB|)			
JonglPC:JG|)			
Jungoli state			
(see also: Jonglei state |PC:JG|)			
Boma mountains, west foothills (see Boma Mountains, Western foothills)		6° 10' 00" N 34° 25' 00" E	
Boma Mountains, Western foothills		6° 10' 00" N 34° 25' 00" E	
(see also: Boma mountains, west foothills)			
Bor		6° 12' 26" N 31° 33' 33" E	406 m
Bor, 40 mi [=64 km] N		6° 18' 00" N 31° 34' 00" E	
Bor, 60 mi [=96.5 km] N (see Kongor)		7° 10' 00" N 31° 20' 00" E	
Bu?eyrat No (see No, lake)		9° 30' 00" N 30° 28' 00" E	
Djebel Kathangor (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Djebel Katherr (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Jabal Kathangor (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Jebel Kasangor (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Kasangor, Jebel (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Kathangor, Djebel (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Kathangor, Jabal		5° 45' 00" N 33° 59' 00" E	
(see also: Djebel Kathangor, Djebel Katherr, Jabal Kathangor, Jebel Kasangor, Kasangor, Jebel, Kathangor, Djebel, Katherr, Katherr, Djebel)			
Katherr (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Katherr, Djebel (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Kongor, 60 mi N Bor		7° 10' 00" N 31° 20' 00" E	
(see also: Bor, 60 mi [=96.5 km] N)			
Lake No (see No, lake)		9° 30' 00" N 30° 28' 00" E	
Lake No, below (see No, lake)	ca.	9° 30' 00" N 30° 28' 00" E	
No, bu?eyrat (see No, lake)		9° 30' 00" N 30° 28' 00" E	
No, lake		9° 30' 00" N 30° 28' 00" E	
(see also: Bu?eyrat No, Lake No, Lake No, below, No, bu?eyrat)			
Shambe		7° 06' 17" N 30° 46' 25" E	396 m
(see also: Shambi)			
Shambi (see Shambe)		7° 06' 17" N 30° 46' 25" E	396 m
Lakes state			
(see also: Al Buhayrat state |PC:EB|)			

Abu Kika	ca.	6° 55' 00" N 31° 00' 00" E	
(see also: Abukika)			
Abukika (see Abu Kika)		6° 55' 00" N 31° 00' 00" E	
Amadi		5° 30' 57" N 30° 20' 09" E	485 m
Dinka county		6° 34' 50" N 30° 58' 17" E	
Sudan Fagwl	ca.	6° 34' 50" N 30° 58' 17" E	
Duk Fagul, Dinka country		6° 33' 00" N 31° 00' 00" E	
Ngop, 30 mi [=48 km] SE Yirol		6° 15' 51" N 30° 11' 35" E	
(see also: Yirol, 30 mi [=48 km] SE)			
Rumbeck (see Rumbek), 100 mi [=160 km] SE Wau		6° 48' 00" N 29° 41' 00" E	406 m
Rumbek, 100 mi [=160 km] SE Wau		6° 48' 00" N 29° 41' 00" E	406 m
(see also: Rumbeck, Wau, 100 mi [=160 km] SE)			
Wau, 100 mi [=160 km] SE (see Rumbek)		6° 48' 00" N 29° 41' 00" E	406 m
Yirol		6° 33' 24" N 30° 30' 13" E	438 m
Yirol district	ca.	6° 33' 24" N 30° 30' 13" E	ca. 3000 ft
Nyibor, lake		6° 55' 00" N 30° 10' 00" E	
Yirol, 30 mi [=48 km] SE (see Ngop)		6° 15' 51" N 30° 11' 35" E	
(see also: Wau, 2 mi [=3.2 km] S)			
North Bahr-al-Ghazal state			
(see also: Northern Bahar el Ghazal state |PC:NB|, Shamal Bahr al Ghazal state |PC:NB|)			
Wau, 100 mi [=160 km] N			
Waw, 100 mi [=160 km] N			
NorthPC:NB|)			
ShamaPC:NB|)			
SharqPC:EE|)			
Southern Region			
Sue River		7° 40' 48" N 28° 03' 43" E	
Unity state			
(see also: Al Wahdah state |PC:WH|, Western Upper Nile state |PC:WH|)			
Hellet Nuer		8° 17' 00" N 30° 19' 00" E	
Upper Nile state			
(see also: A'ali an Nil state |PC:UN|)			
Abu Doleb (see Dulayb), Bahr-el-Abiad, Malakal district		9° 21' 35" N 31° 36' 03" E	276 m
Akona	ca.	11° 30' 00" N 32° 40' 00" E	
Ar Rank		11° 45' 00" N 32° 48' 00" E	371 m
(see also: El Renk, Er Renk, Renk)			
Atar, Khawr [wadi]		9° 20' 11" N 31° 25' 00" E	
(see also: Atar, Khor [wadi], Attar, Khor [wadi], Diar, Khor [wadi], Khawr Atar [wadi], Khor Atar [wadi], Khor Attar [wadi], Khor Diar [wadi])			
Atar, Khor [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Attar, Khor [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Ba?r az Zaraf (see Bahr ez Zeraf)	ca.	9° 24' 50" N 31° 09' 48" E	
Bahr El Zeraf (see Bahr ez Zeraf)	ca.	9° 24' 50" N 31° 09' 48" E	
Bahr ez Zeraf	ca.	9° 24' 50" N 31° 09' 48" E	
(see also: Ba?r az Zaraf, Bahr El Zeraf)			
Bahr-el-Zeraf, near mouth			
Debbat Marbeit		10° 53' 23" N 32° 32' 46" E	
(see also: Umbarbit)			
Diar, Khor [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Doleb (see Dulayb), Bahr-el-Abiad, Malakal district		9° 21' 35" N 31° 36' 03" E	276 m
Doleib Hill (see Dulayb), Bahr-el-Abiad, Malakal district		9° 21' 35" N 31° 36' 03" E	276 m
Dulayb, Bahr-el-Abiad, Malakal district		9° 21' 35" N 31° 36' 03" E	276 m
(see also: Abu Doleb, Doleb, Doleib Hill, Tatuga)			
El Renk (see Ar Rank)		11° 45' 00" N 32° 48' 00" E	371 m
Er Renk (see Ar Rank)		11° 45' 00" N 32° 48' 00" E	371 m
Fashoda, near (see Kodok, near), Malakal district		9° 53' 00" N 32° 07' 00" E	271 m
Jebel el Airag		15° 37' 00" N 32° 29' 00" E	
Kaka		10° 36' 00" N 32° 11' 00" E	375 m
Kaka, 7 mi [=11 km] S	ca.	10° 36' 00" N 32° 11' 00" E	
Khawr Atar [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Khor Atar [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Khor Attar [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Khor Diar [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Kodak, near (see Kodok, near), Malakal district		9° 53' 00" N 32° 07' 00" E	271 m
Kodok, near, Malakal district		9° 53' 00" N 32° 07' 00" E	271 m
(see also: Fashoda, near, Kodak, near)			
Malakal (see Malakal)		9° 32' 13" N 31° 39' 22" E	276 m
Malakal		9° 32' 13" N 31° 39' 22" E	276 m
(see also: Malakal)			
Malakal, 4 mi [=6.4 km] N		9° 39' 18" N 31° 37' 32" E	
Malakal, 50 mi [= 80 km] N		10° 15' 00" N 31° 48' 59" E	

Malut		10° 26' 00" N 32° 12' 00" E	362 m
(see also: Melut)			
Melut (see Malut)		10° 26' 00" N 32° 12' 00" E	362 m
Nahr Sobat (see Sobat river)		9° 22' 14" N 31° 32' 52" E	
Nahr Subat (see Sobat river)		9° 22' 14" N 31° 32' 52" E	
Niayok, near Paloich		10° 07' 35" N 32° 18' 03" E	367 m
Northern district			
Renk (see Ar Rank)		11° 45' 00" N 32° 48' 00" E	371 m
Sobat river		9° 22' 14" N 31° 32' 52" E	
(see also: Nahr Sobat, Nahr Subat)			
Tatuga (see Dulayb), Bahr-el-Abiad, Malakal district		9° 21' 35" N 31° 36' 03" E	276 m
Taufikia (see Tawfiqiyah)		9° 25' 54" N 31° 37' 46" E	276 m
Tawfiqiyah		9° 25' 54" N 31° 37' 46" E	276 m
(see also: Taufikia, Tawfiqiyya)			
Tawfiqiyya (see Tawfiqiyah)		9° 25' 54" N 31° 37' 46" E	276 m
Tonga		9° 29' 13" N 31° 02' 16" E	360 m
(see also: Tonja)			
Tonja (see Tonga)		9° 29' 13" N 31° 02' 16" E	360 m
Umbarbit (see Debbat Marbeit)		10° 53' 23" N 32° 32' 46" E	
Warab state [PC:WR|			
(see also: Warab state |PC:WR|, Warrap state |PC:WR|)			
Agok [pools]		8° 09' 00" N 28° 49' 00" E	
Amol Tonyi area	ca.	8° 58' 27" N 28° 28' 24" E	
At Tonj (see Tonj)		7° 16' 24" N 28° 41' 02" E	427 m
Ibba (see Tonj)		7° 16' 24" N 28° 41' 02" E	427 m
Ton'gh (see Tonj)		7° 16' 24" N 28° 41' 02" E	427 m
Tonj		7° 16' 24" N 28° 41' 02" E	427 m
(see also: At Tonj, Ibba, Ton'gh)			
Tonj, 103 km SE	ca.	6° 40' 00" N 28° 41' 00" E	
Tonj, 64 km SE		6° 40' 00" N 28° 41' 00" E	
Warab)			
Warra)			
West Bahr-al-Ghazal state			
(see also: Gharb Bahr al Ghazal state |PC:WB|, Western Bahar el Ghazal state |PC:WB|)			
Agok mango grove, 5 mi SW Wau; along Busseri River		7° 38' 00" N 27° 56' 00" E	
(see also: Wau, 5 mi [=8 km] SW)			
Alajuz (see Al'Ajuz (well))		9° 53' 00" N 25° 04' 00" E	526 m
Al'Ajuz (well)		9° 53' 00" N 25° 04' 00" E	526 m
(see also: Alajuz)			
Bongo		7° 14' 00" N 28° 42' 00" E	414 m
Boro river		8° 30' 00" N 24° 30' 00" E	
Boro river, 25 km N	ca.	8° 30' 00" N 24° 30' 00" E	
Daym Zubayr, 100 mi [=160 km] W Wau		7° 43' 00" N 26° 13' 00" E	609 m
(see also: Deim Zubeir, Dem Az Ziber, Dem Zubeir, Wau, 100 mi [=160 km] W)			
Deim Zubeir (see Daym Zubayr), 100 mi [=160 km] W Wau		7° 43' 00" N 26° 13' 00" E	609 m
Dem Az Ziber (see Daym Zubayr), 100 mi [=160 km] W Wau		7° 43' 00" N 26° 13' 00" E	609 m
Dem Zubeir (see Daym Zubayr), 100 mi [=160 km] W Wau		7° 43' 00" N 26° 13' 00" E	609 m
Ngohalima, 15 mi S Wau; on Busseri river		7° 28' 00" N 28° 00' 00" E	
(see also: Wau, 15 mi [=24 km] S)			
Ngosulugu, 2 mi [=3.2 km] S Wau		7° 40' 15" N 28° 00' 00" E	
Raffili, 90 mi [=145 km] S Wau		6° 51' 00" N 27° 59' 00" E	463 m
(see also: Rafili, Wau, 90 mi [=145 km] S)			
Rafili (see Raffili), 90 mi [=145 km] S Wau		6° 51' 00" N 27° 59' 00" E	463 m
Raga, 200 mi W Wau or 250 km NW Wau [318 km by road]		8° 28' 00" N 25° 41' 00" E	603 m
(see also: Ragaa, Raja, Wau, 200 mi [=322 km] W, Wau, 250 km NW [318 km by road])			
Ragaa (see Raga)		8° 28' 00" N 25° 41' 00" E	603 m
Raja (see Raga)		8° 28' 00" N 25° 41' 00" E	603 m
Seriba Ghatta		7° 24' 00" N 28° 36' 00" E	
Wau		7° 42' 00" N 28° 00' 00" E	429 m
Wau, 100 mi [=160 km] W (see Daym Zubayr)		7° 43' 00" N 26° 13' 00" E	609 m
Wau, 15 mi [=24 km] S (see Ngohalima)		7° 28' 00" N 28° 00' 00" E	
Wau, 2 mi [=3.2 km] S (see Yirol, 30 mi [=48 km] SE)		7° 40' 15" N 28° 00' 00" E	
Wau, 200 mi [=322 km] W (see Raga)		8° 28' 00" N 25° 41' 00" E	603 m
Wau, 250 km NW [318 km by road] (see Raga)		8° 28' 00" N 25° 41' 00" E	603 m
Wau, 3 mi S		7° 39' 22" N 28° 00' 00" E	
Wau, 5 mi [=8 km] SW (see Agok mango grove)		7° 38' 00" N 27° 56' 00" E	
Wau, 90 mi [=145 km] S (see Raffili)		6° 51' 00" N 27° 59' 00" E	463 m
Wau-Agok	ca.	7° 42' 00" N 28° 00' 00" E	

Waw	7° 42' 00" N 28° 00' 00" E	429 m
West Equatoria state		
(see also: Gharb al Istiwa'iyah state |PC:WE|)		
Bangangai forest, 50 mi WNW Yambio	4° 51' 00" N 27° 45' 00" E	730 m
(see also: Yambio, 50 mi [=80 km] WNW)		
Ezo County		
Bangangai Game Reserve, Andari Payam	4° 52' 39" N 27° 40' 34" E	
Bangangai Game Reserve, base camp	4° 54' 28" N 27° 42' 13" E	698 m
Bangangai Game Reserve, location 1	4° 54' 20" N 27° 42' 19" E	698 m
Bangangai Game Reserve, location 2	4° 54' 06" N 27° 42' 35" E	673 m
Bangangai Game Reserve, location 4	4° 53' 43" N 27° 42' 44" E	685 m
Bangangai Game Reserve, location 5	4° 54' 02" N 27° 41' 58" E	691 m
Bangangai Game Reserve, location 6, Andari Payam	4° 52' 39" N 27° 40' 33" E	719 m
Bangangai Game Reserve, location 7, Andari Payam	4° 52' 28" N 27° 40' 53" E	694 m
Bangangai Game Reserve, location 8, Andari Payam	4° 52' 52" N 27° 04' 04" E	
Goba (see Juba)	4° 51' 00" N 31° 37' 00" E	550 m
Juba	4° 51' 00" N 31° 37' 00" E	550 m
(see also: Goba, Uula)		
Juba, 100 mi [=160 km] NW (see Mundri)	5° 24' 00" N 30° 15' 00" E	580 m
Juba, 400 mi [=640 km] W		700 m
Li Rangu	4° 43' 46" N 28° 21' 33" E	670 m
Mandri (see Mundri), 100 mi. NW of Juba, 500 mi. E of Wau	5° 24' 00" N 30° 15' 00" E	580 m
Marangu cave, near Yambio	4° 33' 00" N 28° 22' 00" E	
Maridi (see Maridi)	4° 54' 53" N 29° 28' 37" E	698 m
Maridi	4° 54' 53" N 29° 28' 37" E	698 m
(see also: Maridi, Meridi, Merridi)		
Mbarianga Cave, Yambio		
Meridi (see Maridi)	4° 54' 53" N 29° 28' 37" E	698 m
Merridi (see Maridi)	4° 54' 53" N 29° 28' 37" E	698 m
Mundri, 100 mi. NW of Juba, 500 mi. E of Wau	5° 24' 00" N 30° 15' 00" E	580 m
(see also: Juba, 100 mi [=160 km] NW, Mandri, Wau, 500 mi [=800 km] E)		
Mupoi cave, near Yambio	4° 33' 00" N 28° 22' 00" E	
Nagero county		
Bandala Hills, location 1, Central Payam, Bandala Boma, ca. 10 km W Sue River, W border Southern National Park)	6° 07' 57" N 27° 43' 31" E	535 m
Nzara county		
Namaku Boma, Nzare Payam	4° 40' 47" N 28° 13' 16" E	661 m
Nzara, Zande district	4° 38' 36" N 28° 15' 11" E	595 m
Nzara West (see West Nzara)	4° 38' 00" N 28° 15' 00" E	710 m
Uula (see Juba)	4° 51' 00" N 31° 37' 00" E	550 m
Wau, 500 mi [=800 km] E (see Mundri)	5° 24' 00" N 30° 15' 00" E	580 m
West Nzara	4° 38' 00" N 28° 15' 00" E	710 m
(see also: Nzara West)		
Yambio	4° 34' 14" N 28° 24' 59" E	619 m
Yambio county		
Yambio, FFI complext (see Yambio, Flora & Fauna International complex)	4° 34' 41" N 28° 22' 58" E	669 m
Yambio, Flora & Fauna International complex	4° 34' 41" N 28° 22' 58" E	669 m
(see also: Yambio, FFI complext)		
Yambio, Wildlife officer compound	4° 34' 15" N 28° 23' 55" E	652 m
Yambio, 50 mi [=80 km] WNW (see Bangangai forest)	4° 51' 00" N 27° 45' 00" E	730 m
WestePC:WB|)		
WestePC:WH|)		
Sudan		
Al BaPC:RS|)		
Al JaPC:GZ|)		
(see also: Gezira state |PC:GZ|)		
Abu Zayd	15° 04' 18" N 33° 23' 30" E	
(see also: Abu Zeid, Abu Zeid Wad Umm Balli, Abu Zeit)		
Abu Zeid (see Abu Zayd)	15° 04' 18" N 33° 23' 30" E	
Abu Zeid Wad Umm Balli (see Abu Zayd)	15° 04' 18" N 33° 23' 30" E	
Abu Zeit (see Abu Zayd)	15° 04' 18" N 33° 23' 30" E	
Medani (see Wad Madani)	14° 24' 00" N 33° 32' 00" E	414 m
Wad Madani	14° 24' 00" N 33° 32' 00" E	414 m
(see also: Medani, Wad Medani)		
Wad Medani (see Wad Madani)	14° 24' 00" N 33° 32' 00" E	414 m
Al KhPC:KH|)		
Al QaPC:GD|)		
(see also: Gedarif state |PC:GD|)		
Al Qallabat (see Qallabat)	12° 58' 00" N 36° 09' 00" E	725 m
Gallabat (see Qallabat)	12° 58' 00" N 36° 09' 00" E	760 m

Qallabat		12° 58' 00" N 36° 09' 00" E	725 m
(see also: Al Qallabat, Gallabat)			
Al WuPC:BN|)			
An NiPC:WN|)			
An NiPC:BN|)			
Ash SPC:NO|)			
Ash SPC:KA|)			
Bahr el Shagal			
Bellegas			
Blue Nile / Central state (see Blue Nile state)			
Blue Nile state			
(see also: Al Wustá state |PC:BN|, An Nil al Azraq state |PC:BN|, Blue Nile / Central state)			
Abu Zor		12° 22' 00" N 34° 22' 00" E	450 m
Al Fonj		12° 41' 38" N 34° 08' 57" E	
(see also: Al Funj, Fundj, Fung)			
Al Funj (see Al Fonj)		12° 41' 38" N 34° 08' 57" E	
Al Garef		12° 03' 00" N 34° 19' 00" E	428 m
(see also: El Garef, El Garet)			
Aradeiba, Jebel Korongo		11° 41' 00" N 34° 21' 00" E	486 m
Badaws		12° 09' 00" N 34° 19' 00" E	464 m
(see also: Bados)			
Bados (see Badaws)		12° 09' 00" N 34° 19' 00" E	464 m
Bunzoga (see Bunzuqah)		12° 31' 00" N 34° 09' 00" E	440 m
Bunzoqa (see Bunzuqah)		12° 31' 00" N 34° 09' 00" E	440 m
Bunzuga (see Bunzuqah)		12° 31' 00" N 34° 09' 00" E	440 m
Bunzuqah		12° 31' 00" N 34° 09' 00" E	440 m
(see also: Bunzoga, Bunzoqa, Bunzuga)			
Disa (see Disah)		12° 02' 00" N 34° 19' 00" E	429 m
Disah		12° 02' 00" N 34° 19' 00" E	429 m
(see also: Disa)			
El Garef (see Al Garef)		12° 03' 00" N 34° 19' 00" E	428 m
El Garet (see Al Garef)		12° 03' 00" N 34° 19' 00" E	428 m
El Serifa (see Surayfah)		11° 28' 00" N 34° 32' 00" E	467 m
Fazogli (see Fazughli)		11° 17' 00" N 34° 46' 00" E	465 m
Fazughli, near Roseres		11° 17' 00" N 34° 46' 00" E	465 m
(see also: Fazogli)			
Fundj (see Al Fonj)		12° 41' 38" N 34° 08' 57" E	
Fung (see Al Fonj)		12° 41' 38" N 34° 08' 57" E	
Jabal Mâba		11° 36' 10" N 34° 27' 41" E	
(see also: Jebel Maba)			
Jebel el Funj, on White Nile River, West bank	ca.	11° 45' 00" N 33° 30' 00" E	
Jebel Maba (see Jabal Mâba)		11° 36' 10" N 34° 27' 41" E	
Jebel Moba		11° 35' 00" N 34° 30' 00" E	
Magangani	ca.	12° 00' 00" N 34° 20' 00" E	
Roseires		11° 48' 19" N 34° 23' 57" E	
Sereifa (see Surayfah)		11° 28' 00" N 34° 32' 00" E	467 m
Surayfah		11° 28' 00" N 34° 32' 00" E	467 m
(see also: El Serifa, Sereifa)			
Central Darfur state			
Dad Majok			
Dulaba			
East Darfur state			
El Abrad, Dinder river			
GedarPC:GD|)			
(see also: Al Qadarif state |PC:GD|)			
GezirPC:GZ|)			
(see also: Al Jazirah state |PC:GZ|)			
Barakat, near Wadi Medani		14° 19' 00" N 33° 32' 00" E	415 m
GharbPC:WF|)			
JanubPC:SF|)			
JanubPC:SK|)			
Kassala state			
(see also: Ash Sharqiyah state |PC:KA|)			
Aroma Madart, 13 mi [=12 km] SSE, Gash river	ca.	15° 37' 13" N 36° 21' 33" E	
Cassala (see Kasala)		15° 27' 21" N 36° 23' 56" E	531 m
Kasala		15° 27' 21" N 36° 23' 56" E	531 m
(see also: Cassala, Kassala)			
Kassala (see Kasala)		15° 27' 21" N 36° 23' 56" E	531 m
Mount Wagga (see Wagga, mount), near Berebera		16° 09' 10" N 36° 12' 15" E	450 m
Telaweit, near Kassala		15° 24' 00" N 36° 25' 00" E	
Wagga, mount, near Berebera		16° 09' 10" N 36° 12' 15" E	450 m
(see also: Mount Wagga)			
Khartoum or Sennaar			
Khartoum state			
(see also: Al Khartoum state |PC:KH|)			

Al Khartum		15° 35' 17" N 32° 32' 03" E	377 m
(see also: Al Khurtum, Cartum, Khartoum, Khartoun)			
Al Khartum, S of, W bank of White Nile	ca.	15° 35' 17" N 32° 32' 03" E	
(see also: Khartoum, S of)			
Al Khurtum (see Al Khartum)		15° 35' 17" N 32° 32' 03" E	377 m
Azraq, Al Jabal al, 10 mi NW Omdurman		15° 47' 29" N 32° 27' 35" E	
(see also: Omdurman, 10 mi [=16 km] NW)			
Azraq, Jabal al, 10 mi NW Omdurman		15° 47' 29" N 32° 27' 35" E	
Azraq, Jebel el, 10 mi NW Omdurman		15° 47' 29" N 32° 27' 35" E	
Bahr de Abiad (see White Nile)		15° 38' 00" N 32° 31' 00" E	
Bahr el Abiad (see White Nile)		15° 38' 00" N 32° 31' 00" E	
Bahr-el-Abyat (see White Nile)		15° 38' 00" N 32° 31' 00" E	
Cartum (see Al Khartum)		15° 35' 17" N 32° 32' 03" E	377 m
Jabal al Awliya'		15° 14' 28" N 32° 29' 59" E	384 m
(see also: Jebel Aulia)			
Jabal al Azraq, 10 mi NW Omdurman		15° 47' 29" N 32° 27' 35" E	
Jebel Aulia (see Jabal al Awliya')		15° 14' 28" N 32° 29' 59" E	384 m
Jebel el Azraq, 10 mi [=16 km] NW Omdurman		15° 47' 29" N 32° 27' 35" E	
Khartoum (see Al Khartum)		15° 35' 17" N 32° 32' 03" E	377 m
Khartoum University Campus		15° 29' 51" N 32° 33' 29" E	384 m
Khartoum, 12 mi [=19 km] from (see Wad Marium)	ca.	15° 25' 00" N 32° 25' 00" E	
Khartoum, S of (see Al Khartum, S of), W bank of White Nile	ca.	15° 35' 17" N 32° 32' 03" E	
Khartoun (see Al Khartum)		15° 35' 17" N 32° 32' 03" E	377 m
Omdurman (see Umm Durman)		15° 38' 10" N 32° 16' 14" E	390 m
Omdurman, 10 mi [=16 km] NW (see Azraq, Al Jabal al)		15° 47' 29" N 32° 27' 35" E	
Umm Durman		15° 38' 10" N 32° 16' 14" E	390 m
(see also: Omdurman)			
Wad Marium, 12 mi [=18 km] from Khartoum, on White Nile	ca.	15° 25' 00" N 32° 25' 00" E	
(see also: Khartoum, 12 mi [=19 km] from)			
Weißer Nil (see White Nile)		15° 38' 00" N 32° 31' 00" E	
White Nile		15° 38' 00" N 32° 31' 00" E	
(see also: Bahr de Abiad, Bahr el Abiad, Bahr-el-Abyat, Weißer Nil)			
Khartoum, 100 mi [=160 km] S			
Ledgus, between Nimule & Gondokoro [formerly in Uganda]			
Loki			
Luem			
Mbili		7° 01' 00" N 27° 59' 00" E	
NahrPC:RN|)			
NilePC:RN|)			
Désert de Nubie		20° 30' 00" N 33° 00' 00" E	
Nubian Desert		20° 30' 00" N 33° 00' 00" E	
Nile, upper			
North Darfur state			
(see also: Shamal Darfur state |PC:ND|)			
Khor Mallum, 60 mi [=96 km] SSW El Fasher	ca.	12° 54' 49" N 25° 06' 14" E	2900 ft
North Kordofan state			
(see also: North Kurdufan state |PC:NK|, Shamal Kurdufan state |PC:NK|)			
Abu Zabad		12° 21' 00" N 29° 15' 00" E	
(see also: Abu Zawr)			
Abu Zawr (see Abu Zabad)		12° 21' 00" N 29° 15' 00" E	
Al Obayyid (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
Al Ubayd (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
Al Ubayyi?		13° 11' 00" N 30° 13' 00" E	609 m
(see also: Al Obayyid, Al Ubayd, Al-'Obêd, El Obeid, El Ubeiyad, Ubêd)			
Al-'Obêd (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
Djebel Zeraf (see Zeraf, Jebel [=mountain])		15° 49' 00" N 31° 10' 00" E	
El Obeid (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
El Ubeiyad (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
Gebel Geraf (see Zeraf, Jebel [=mountain])		15° 49' 00" N 31° 10' 00" E	
Gebel Zeraf (see Zeraf, Jebel [=mountain])		15° 49' 00" N 31° 10' 00" E	
Khuwei, 7 mi [=11 km] N		13° 09' 02" N 29° 13' 44" E	
Kordofan	ca.	13° 12' 00" N 30° 14' 00" E	
Semei (see Sumay?)		12° 43' 00" N 30° 50' 00" E	472 m
Semeih (see Sumay?)		12° 43' 00" N 30° 50' 00" E	472 m
Semeiha (see Sumay?)		12° 43' 00" N 30° 50' 00" E	472 m
Semeith (see Sumay?)		12° 43' 00" N 30° 50' 00" E	472 m
Sharkaylah (see Shurkela)		12° 49' 00" N 31° 25' 00" E	436 m
Sherkeila (see Shurkela)		12° 49' 00" N 31° 25' 00" E	436 m

Shurkela (see also: Sharkaylah, Sherkeila)		12° 49' 00" N 31° 25' 00" E	436 m
Sumay? (see also: Semei, Semeih, Semeiha, Semeith)		12° 43' 00" N 30° 50' 00" E	472 m
Ubêd (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
Zeraf, Jebel [=mountain] (see also: Djebel Zeraf, Gebel Geraf, Gebel Zeraf)		15° 49' 00" N 31° 10' 00" E	
NorthPC:NK|)			
Northern state (see also: Ash Shamaliyah state |PC:NO|)			
Abu Sir cave, W bank, by rock at cave, ca 15 m above the river	ca.	29° 53' 00" N 31° 13' 00" E	
Dongola (see Dunqulah)		19° 10' 00" N 30° 29' 00" E	217 m
Donkola (see Dunqulah)		19° 10' 00" N 30° 29' 00" E	217 m
Donqla al 'Ajuz (see Dunqulah al Qadimah)		18° 13' 00" N 30° 45' 00" E	274 m
Dunkula (see Dunqulah)		19° 10' 00" N 30° 29' 00" E	217 m
Dunqulah (see also: Dongola, Donkola, Dunkula)		19° 10' 00" N 30° 29' 00" E	217 m
Dunqulah al 'Ajuz (see Dunqulah al Qadimah)		18° 13' 00" N 30° 45' 00" E	274 m
Dunqulah al Qadimah (see also: Donqla al 'Ajuz, Dunqulah al 'Ajuz, Old Dongola)		18° 13' 00" N 30° 45' 00" E	274 m
Ferka		20° 55' 59" N 30° 35' 23" E	
Kanisa Janu (see Kanisah)		18° 15' 00" N 31° 40' 00" E	239 m
Kanisah (see also: Kanisa Janu, Kenisa)		18° 15' 00" N 31° 40' 00" E	239 m
Karma An Nuzul (see Karmah an Nuzul), 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
Karmah (see Karmah an Nuzul), 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
Karmah an Nuzul, 40 km from the third waterfall (see also: Karma An Nuzul, Karmah, Kerma, Kerma en Nuzl, Kermah)		19° 38' 00" N 30° 25' 00" E	227 m
Kenisa (see Kanisah)		18° 15' 00" N 31° 40' 00" E	239 m
Kerma (see Karmah an Nuzul), 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
Kerma en Nuzl (see Karmah an Nuzul), 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
Kermah (see Karmah an Nuzul), 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
Marawi (see also: Merawi, Merowe)		18° 29' 00" N 31° 49' 00" E	275 m
Merawi (see Marawi)		18° 29' 00" N 31° 49' 00" E	275 m
Merowe (see Marawi)		18° 29' 00" N 31° 49' 00" E	275 m
Old Dongola (see Dunqulah al Qadimah)		18° 13' 00" N 30° 45' 00" E	274 m
Wadi ?alfa'		21° 48' 00" N 31° 21' 00" E	200 m
Nubia	ca.	20° 00' 00" N 32° 00' 00" E	
Raffile			
Red Sea state (see also: Al Bahr al Ahmar state |PC:RS|)			
Bur Sudan (see also: Burt Sudan, New Sawâkin, Port Sudan, Shaikh Barghuth, Shaykh Burghuth, Sheikh Barghuth)		19° 36' 57" N 37° 12' 59" E	62 m
Burt Sudan (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Erkovit (see Erkowit)		18° 46' 00" N 37° 07' 00" E	1162 m
Erkowit (see also: Erkovit)		18° 46' 00" N 37° 07' 00" E	1162 m
New Sawâkin (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Port Sudan (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Sawakin (see also: Suakin)		19° 12' 21" N 37° 19' 56" E	59 m
Shaikh Barghuth (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Shaykh Burghuth (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Sheikh Barghuth (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Suakin (see Sawakin)		19° 12' 21" N 37° 19' 56" E	59 m
Wadi Alagi, Eastern Nubia	ca.	22° 00' 00" N 35° 00' 00" E	2 000 ft
River Nile state (see also: Nahr an Nil state |PC:RN|, Nile state |PC:RN|)			
5th cataract of the Nile (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Ash Shalal Al Khamis (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Ash Shallal al Khamis (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Cataract of the Wild Ass (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
El Homar Cataract (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	

Fifth cataract of the Nile		18° 23' 00" N 33° 47' 00" E	
(see also: 5th cataract of the Nile, Ash Shalal Al Khamis, Ash Shallal al Khamis, Cataract of the Wild Ass, El Homar Cataract , ?imâr, Shallâl al , Homar, Shellal el , Khamis, Ash Shalal Al , Khamis, Ash Shallal al, Shallâl al ?imâr, Shellal el Homar, Wild Ass, Cataract of the)			
?imâr, Shallâl al (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Homar, Shellal el (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Khamis, Ash Shalal Al (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Khamis, Ash Shallal al (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Shallâl al ?imâr (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Shandi (see Shendi), Upper Nile		16° 41' 29" N 33° 26' 03" E	376 m
Shellal el Homar (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Shendi, Upper Nile		16° 41' 29" N 33° 26' 03" E	376 m
(see also: Shandi, Shendy, Shindî)			
Shendy (see Shendi), Upper Nile		16° 41' 29" N 33° 26' 03" E	376 m
Shindî (see Shendi), Upper Nile		16° 41' 29" N 33° 26' 03" E	376 m
Wild Ass, Cataract of the (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Sennar state			
Abu Tiga Forest Reserve		12° 46' 00" N 34° 09' 00" E	
Al Quwaysi, Dinder		13° 21' 00" N 34° 07' 00" E	396 m
(see also: El Gueisi, El Qweisi)			
El Gueisi (see Al Quwaysi), Dinder		13° 21' 00" N 34° 07' 00" E	396 m
El Qweisi (see Al Quwaysi), Dinder		13° 21' 00" N 34° 07' 00" E	396 m
Kamisu, Dinder River			
Ronga Forest Reserve		13° 16' 00" N 33° 54' 00" E	
Sannar, between Kéréri, Halfaye and Surerát on the Nile near Khartoum		13° 33' 00" N 33° 38' 00" E	390 m
(see also: Sennaar, Sennar, Sennar, Sinnar)			
Senga (see Sinjah)		13° 09' 00" N 33° 56' 00" E	397 m
Sennaar (see Sannar), Abyssinia		13° 33' 00" N 33° 38' 00" E	390 m
Sennaar, 20 mi [=32 km] above	ca.	13° 35' 00" N 33° 38' 00" E	450 m
Sennar (see Sannar)		13° 33' 00" N 33° 38' 00" E	390 m
Sennar (see Sannar), Abyssinia		13° 33' 00" N 33° 38' 00" E	390 m
Singa (see Sinjah)		13° 09' 00" N 33° 56' 00" E	397 m
Sinja (see Sinjah)		13° 09' 00" N 33° 56' 00" E	397 m
Sinjah		13° 09' 00" N 33° 56' 00" E	397 m
(see also: Senga, Singa, Sinja)			
Sinnar (see Sannar), Abyssinia		13° 33' 00" N 33° 38' 00" E	390 m
Subeigh Forest Reserve		12° 27' 00" N 34° 12' 00" E	
Suki		13° 19' 00" N 33° 54' 00" E	
ShamaPC:ND|)			
ShamaPC:NK|)			
South Darfur state			
(see also: Janub Darfur state |PC:SF|)			
Jebel Marra, S foothills		12° 54' 00" N 24° 21' 00" E	
Rikki river		9° 23' 00" N 24° 36' 00" E	
South Kordofan state			
(see also: Janub Kurdufan state |PC:SK|, South Kurdufan state |PC:SK|)			
Al Lagawa (see Al Lagowa)		11° 24' 00" N 29° 08' 00" E	560 m
Al Lagowa		11° 24' 00" N 29° 08' 00" E	560 m
(see also: Al Lagawa, El Lagowa)			
An Nabbakah [wells]		12° 36' 00" N 29° 56' 00" E	
(see also: En Nabbaka [wells])			
Angolo [camp]		10° 30' 25" N 29° 57' 35" E	
Dalami (see Dallami)		11° 51' 53" N 30° 28' 25" E	641 m
Dallami		11° 51' 53" N 30° 28' 25" E	641 m
(see also: Dalami, Delami)			
Delami (see Dallami)		11° 51' 53" N 30° 28' 25" E	641 m
El Lagowa (see Al Lagowa)		11° 24' 00" N 29° 08' 00" E	560 m
En Nabbaka [wells] (see An Nabbakah [wells])		12° 36' 00" N 29° 56' 00" E	
Nuba Mountains		10° 36' 00" N 29° 57' 00" E	
Ad Dalanj (see Dilling)		12° 03' 00" N 29° 39' 00" E	687 m
Angolo		10° 31' 00" N 34° 09' 00" E	
Buram		10° 36' 00" N 29° 57' 00" E	
Buram [resthouse]		10° 37' 43" N 29° 58' 12" E	
Dilling		12° 02' 00" N 29° 40' 00" E	
(see also: Ad Dalanj)			
Djebel Digobo (see Jebel Digodo)		10° 37' 00" N 29° 53' 00" E	
Djebel Digodo (see Jebel Digodo)		10° 37' 00" N 29° 53' 00" E	
Jabal Talao (see Talao, Jabal)		11° 02' 00" N 29° 43' 00" E	550 m
Jebel Digobo (see Jebel Digodo)		10° 37' 00" N 29° 53' 00" E	

Jebel Digodo		10° 37' 00" N 29° 53' 00" E	
(see also: Djebel Digobo, Djebel Digodo, Jebel Digobo)			
Jebel Talao (see Talao, Jabal), 2 km NE Kadugli		11° 02' 00" N 29° 44' 00" E	550 m
Jebel Toro, Mesakin Qisar		10° 42' 00" N 30° 01' 00" E	
Jibal an Nubah, N edge (see Nuba Mountains, N edge)			
Kadugli		11° 00' 00" N 29° 43' 00" E	
Kadugli		11° 01' 00" N 29° 43' 00" E	501 m
(see also: Kaduqli)			
Kadugli, 2 km NE (see Talao, Jabal)		11° 02' 00" N 29° 43' 00" E	550 m
Kaduqli (see Kadugli)		11° 01' 00" N 29° 43' 00" E	501 m
Khawr Umm 'Adara (see Um 'Adara, Khor)		11° 06' 42" N 31° 10' 34" E	
Khor Um ‘Adara (see Um 'Adara, Khor)		11° 06' 42" N 31° 10' 34" E	
Khor Umm Adara (see Um 'Adara, Khor)		11° 06' 42" N 31° 10' 34" E	
Kologi		10° 51' 38" N 30° 58' 52" E	525 m
Nuba Mountains, N edge			
(see also: Jibal an Nubah, N edge, Nubah, Jibal an, N edge)			
Nubah, Jibal an, N edge (see Nuba Mountains, N edge)			
Rheika, Tadoro, Mesakin Qisar		10° 41' 00" N 30° 00' 00" E	
Tadoro, Mesakin Qisar		10° 41' 26" N 30° 01' 13" E	650 m
Talao, Jabal, 2 km NE Kadugli		11° 02' 00" N 29° 43' 00" E	550 m
(see also: Jabal Talao, Jebel Talao, Kadugli, 2 km NE)			
Tossari		10° 40' 00" N 30° 02' 00" E	
Um 'Adara, Khor		11° 06' 42" N 31° 10' 34" E	
(see also: Khawr Umm 'Adara, Khor Um ‘Adara, Khor Umm Adara, Umm 'Adara, Khawr , Umm Adara, Khor)			
Umm 'Adara, Khawr (see Um 'Adara, Khor)		11° 06' 42" N 31° 10' 34" E	
Umm Adara, Khor (see Um 'Adara, Khor)		11° 06' 42" N 31° 10' 34" E	
Talawdi		10° 38' 11" N 30° 22' 47" E	467 m
(see also: Talodi)			
Talodi (see Talawdi)		10° 38' 11" N 30° 22' 47" E	467 m
SouthPC:SK|)			
Tambura, 45 km N			
Upper White Nile			
Wanalerel			
West Darfur state			
(see also: Gharb Darfur state |PC:WF|)			
S Jebel Marra, foothills		12° 54' 00" N 24° 21' 00" E	4 000 ft
Suni, northern Sudan, Jebel Marra		13° 02' 00" N 24° 25' 00" E	1999 m
Zalingei		12° 54' 00" N 23° 29' 00" E	986 m
(see also: Zalinje)			
Zalinje (see Zalingei)		12° 54' 00" N 23° 29' 00" E	986 m
West Kordofan state			
White Nile state			
(see also: An Nil al Abyad state |PC:WN|)			
Aj Jabalen		12° 35' 25" N 32° 48' 03" E	380 m
(see also: Al Jabalayn, El Jebelein, Jebelein)			
Al Jabalayn (see Aj Jabalen)		12° 35' 25" N 32° 48' 03" E	380 m
Costi (see Kusti)		13° 10' 00" N 32° 40' 00" E	380 m
El Jebelein (see Aj Jabalen)		12° 35' 25" N 32° 48' 03" E	380 m
Jazirat Musran		12° 47' 14" N 32° 46' 52" E	
(see also: Musran, Musran Island)			
Jazirat Musran, N end	ca.	12° 55' 16" N 32° 48' 01" E	
(see also: Musran Island, N End, Musran, N end)			
Jebelein (see Aj Jabalen)		12° 35' 25" N 32° 48' 03" E	380 m
Kosti (see Kusti)		13° 10' 00" N 32° 40' 00" E	380 m
Kusti		13° 10' 00" N 32° 40' 00" E	380 m
(see also: Costi, Kosti)			
Musran (see Jazirat Musran)		12° 47' 14" N 32° 46' 52" E	
Musran Island (see Jazirat Musran)		12° 47' 14" N 32° 46' 52" E	
Musran Island, N End (see Jazirat Musran, N end)	ca.	12° 55' 16" N 32° 48' 01" E	
Musran, N end (see Jazirat Musran, N end)	ca.	12° 55' 16" N 32° 48' 01" E	
Swaziland			
Byrhytes mine		26° 10' 00" S 31° 03' 00" E	
Hhohho region			
Balegana		26° 06' 00" S 31° 34' 00" E	323 m
Balegane		26° 06' 00" S 31° 34' 00" E	323 m
Balegane Stor		26° 06' 00" S 31° 34' 00" E	323 m
Barites Mine		26° 13' 12" S 31° 01' 48" E	
Byrhtes (see Ngwenya)		26° 10' 00" S 31° 03' 00" E	
Byrhytes mine, Ngwenya-Oshoek		26° 13' 00" S 31° 02' 00" E	1300 m

Ezulwini		26° 23' 56" S 31° 10' 01" E	
Forbes Gold Mine, Malalotja		26° 10' 00" S 31° 06' 00" E	1396 m
(see also: Forbes Reef Gold Mine, Forbes Reef mine)			
Forbes Reef Gold Mine (see Forbes Gold Mine), Malalotja		26° 10' 00" S 31° 06' 00" E	1396 m
Forbes Reef mine (see Forbes Gold Mine), Malalotja		26° 10' 00" S 31° 06' 00" E	1396 m
Horo, in old mine drive		25° 45' 00" S 31° 25' 00" E	344 m
Kapola cave		26° 21' 36" S 31° 10' 12" E	
Lomati Gold Mine		25° 49' 15" S 31° 17' 40" E	520 m
Maguga, Ekutikeni		26° 04' 56" S 31° 15' 07" E	
Maguga Dam		26° 04' 27" S 31° 15' 43" E	
Malalotja Cottage		26° 08' 00" S 31° 07' 00" E	
Malolotja Game Reserve		26° 08' 00" S 31° 08' 00" E	
(see also: Malolotja Nature Reserve)			
Malolotja Nature Reserve (see Malolotja Game Reserve)		26° 08' 00" S 31° 08' 00" E	
Mbabane		26° 19' 00" S 31° 08' 00" E	1243 m
Mkhuzweni Primary School		25° 53' 00" S 31° 31' 00" E	
Motshane Portion 2/987	ca.	26° 13' 00" S 31° 03' 00" E	
Ngonini estates		25° 48' 00" S 31° 24' 32" E	421 m
Ngwenya		26° 10' 00" S 31° 03' 00" E	
(see also: Byrhtes)			
Nottinghill Mine		25° 57' 36" S 31° 10' 12" E	
Piggs Peak		25° 58' 00" S 31° 15' 00" E	
(see also: Piggs Peak Mine, The Peak)			
Piggs Peak Mine (see Piggs Peak)		25° 58' 00" S 31° 15' 00" E	
Pine Valley		26° 16' 12" S 31° 13' 48" E	
Saint Florence Mission		26° 14' 00" S 31° 26' 00" E	
Saint Peregrines mission		26° 03' 00" S 31° 26' 00" E	
(see also: St. Peregrines)			
Sikhunyana		26° 02' 00" S 31° 35' 00" E	
St. Florence Mission		26° 14' 00" S 31° 26' 00" E	
St. Peregrines (see Saint Peregrines mission)		26° 03' 00" S 31° 26' 00" E	
The Peak (see Piggs Peak)		25° 58' 00" S 31° 15' 00" E	
Wyldesdale Gold Mine (see Wylesdale Gold Mine)		25° 49' 00" S 31° 17' 00" E	542 m
Wylesdale Gold Mine, in old mine drive		25° 49' 00" S 31° 17' 00" E	542 m
(see also: Wyldesdale Gold Mine)			
Hlumi Nature Reserve			
Lubombo region			
Bar Circle Ranches		26° 41' 00" S 31° 53' 00" E	
Bhubesi Camp, Hlane		26° 11' 00" S 31° 52' 00" E	
Big Bend		26° 49' 00" S 31° 56' 00" E	77 m
Forbes Ranch (see Nsoko)		27° 02' 00" S 31° 57' 00" E	182 m
Hlane National Park		26° 16' 00" S 31° 53' 00" E	280 m
Ndlovu Camp		26° 15' 35" S 31° 52' 37" E	280 m
Maloma Primary School		27° 01' 00" S 31° 39' 00" E	350 m
Mbuluzi Game Reserve		26° 12' 00" S 31° 58' 48" E	171 m
Mbuluzi Game Reserve, 3rd river crossing		26° 11' 50" S 31° 58' 56" E	
Mhlumeni		26° 15' 00" S 32° 06' 00" E	508 m
Mkhaya		26° 37' 00" S 31° 46' 00" E	
Mkhaya Game Reserve		26° 37' 48" S 31° 46' 12" E	
Mlawula Nature Reserve, S of Siphiso, 10 km NE Simunye		26° 12' 00" S 32° 01' 00" E	760 m
Mlawula Estates		26° 12' 00" S 32° 01' 00" E	760 m
Python Pool		26° 11' 30" S 32° 00' 18" E	160 m
Siphiso campsite, 10 km NE Simunye		26° 12' 34" S 32° 00' 02" E	
Siweni Riparian Site		26° 10' 48" S 32° 02' 55" E	
Mlawula Nature Reserve, site 1, Siphiso, S		26° 10' 49" S 32° 02' 57" E	
Mlawula Nature Reserve, site 2, Siphiso, S		26° 11' 08" S 32° 00' 21" E	
Mlawula Nature Reserve, site 3		26° 12' 30" S 32° 00' 18" E	760 m
Mlawula road, 4 km from junction, Simunye		26° 10' 25" S 31° 59' 33" E	
Mlawula Weir		26° 11' 28" S 32° 00' 18" E	
Nsoka (see Nsoko)		27° 02' 00" S 31° 57' 00" E	182 m
Nsoko		27° 02' 00" S 31° 57' 00" E	182 m
(see also: Forbes Ranch, Nsoka)			
Ranches LTD		26° 02' 00" S 31° 42' 00" E	
Sibobela Primary School (see Sitobela Primary School)		26° 53' 00" S 31° 36' 00" E	327 m
Simunye Nature Reserve		26° 14' 46" S 31° 57' 49" E	
Ebaleni		26° 15' 49" S 31° 56' 42" E	
Sundwini		26° 14' 57" S 31° 56' 31" E	
Simunye, 10 km N		26° 07' 00" S 31° 57' 00" E	
Simunye, 15 km N, on Simunye-Tshaneni Road		26° 06' 17" S 31° 52' 18" E	239 m
Sithobela Primary School (see Sitobela Primary School)		26° 53' 00" S 31° 36' 00" E	327 m

Sitobela Primary School	26° 53' 00" S 31° 36' 00" E	327 m
(see also: Sibobela Primary School, Sithobela Primary School)		
Tahaneni (see Tshaneni)	25° 59' 00" S 31° 43' 00" E	321 m
Tshaneni	25° 59' 00" S 31° 43' 00" E	321 m
(see also: Tahaneni, T'shaneni)		
T'shaneni (see Tshaneni)	25° 59' 00" S 31° 43' 00" E	321 m
Tshaneni Iysis Ranch	25° 58' 00" S 31° 43' 00" E	302 m
Manzini region		
Allen's Farm	26° 33' 00" S 31° 16' 00" E	
Dinedor	26° 22' 00" S 31° 34' 00" E	
(see also: Dinedor Ranch)		
Dinedor Ranch (see Dinedor)	26° 22' 00" S 31° 34' 00" E	
Dwalile Primary School	26° 42' 00" S 30° 47' 00" E	
Ekuphakameni High School	26° 48' 00" S 31° 09' 00" E	
Kwaluseni	26° 29' 00" S 31° 20' 00" E	723 m
Luyengo	26° 32' 00" S 31° 14' 00" E	638 m
Malkerns	26° 34' 12" S 31° 09' 00" E	
Ngcoseni Primary	26° 46' 00" S 31° 04' 00" E	
Nkwene High School	26° 52' 00" S 31° 19' 00" E	
Rosecraft	26° 38' 00" S 31° 17' 00" E	667 m
Saint Josephs mission	26° 28' 00" S 31° 29' 00" E	
(see also: St. Joseph's)		
St. Joseph's (see Saint Josephs mission)	26° 28' 00" S 31° 29' 00" E	
UNISWA, Kwaluseni Campus	26° 28' 46" S 31° 18' 25" E	677 m
Mbutfu Primary School		
Mhlume - Isherene road	26° 06' 07" S 31° 52' 02" E	
Ngwenya [=Byrhtes]	26° 10' 00" S 31° 03' 00" E	
Shiselweni region		
Bethlehem Mission	26° 51' 00" S 30° 56' 00" E	
Franson Christian High	27° 12' 00" S 31° 24' 00" E	
Hlatikulu	26° 58' 00" S 31° 19' 00" E	1114 m
Kubuta	26° 52' 48" S 31° 28' 12" E	508 m
Ndabasezwe High School	27° 16' 00" S 31° 46' 00" E	
Our Lady of Sorrows	27° 16' 00" S 31° 32' 00" E	
Sandleni Primary School	27° 04' 00" S 31° 25' 00" E	
Taïka valley, 10 km W Dakoro		
(see also: Dakoro, 10 km W, Vallée de la Taïka)		
Tanzania		
"Mosambiro", but actually Usambiro		
Aguapim, Goldküste		
Arusha region		
Aru Meru district	3° 20' 00" S 36° 45' 00" E	
(see also: Arusha district)		
Aruscha (see Arusha), Chini, Mushi	3° 22' 00" S 36° 41' 00" E	1254 m
Arusha, Chini, Mushi	3° 22' 00" S 36° 41' 00" E	1254 m
(see also: Aruscha, Arusha Chini)		
Arusha Chini	3° 35' 00" S 37° 20' 00" E	839 m
Arusha Chini (see Arusha)	3° 22' 00" S 36° 41' 00" E	1254 m
Arusha district (see Aru Meru district)	3° 20' 00" S 36° 45' 00" E	
Tengeru	3° 23' 00" S 36° 50' 00" E	1250 m
(see also: Tenguru)		
Tenguru (see Tengeru)	3° 23' 00" S 36° 50' 00" E	
Arusha National Park	3° 15' 00" S 36° 45' 00" E	
(see also: Ngongargare Forest)		
Fig Tree Arch	3° 14' 39" S 36° 49' 42" E	
Meru crater	3° 14' 31" S 36° 47' 14" E	
Arusha, 6 mi [=9.7 km] S	3° 35' 00" S 37° 20' 00" E	1372 m
Arusha, 8 mi [=13 km] S	3° 35' 00" S 37° 20' 00" E	
Duluti, lake (see Lake Duluti)	3° 23' 00" S 36° 47' 00" E	
Engaruka, near Ngorongoro Conservation area	2° 59' 00" S 35° 57' 00" E	982 m
(see also: Engruka, Ngaruka)		
Engruka (see Engaruka)	2° 59' 00" S 35° 57' 00" E	982 m
Gibbs farm, Karatu, eastern Oldeani	3° 21' 00" S 35° 32' 00" E	
Lake Duluti	3° 23' 00" S 36° 47' 00" E	
(see also: Duluti, lake)		
Lake Manyara (see Manyara, Lake)	3° 35' 00" S 35° 50' 00" E	
Lake Natron (see Natron, lake)	2° 25' 00" S 36° 00' 00" E	
Lake Natron, W side (see Natron, W side lake)	2° 25' 00" S 36° 00' 00" E	
Magan (see Natron, lake)	2° 25' 00" S 36° 00' 00" E	
Mangola, SW Oldeami	3° 26' 00" S 35° 25' 00" E	1394 m
(see also: Mongola)		
Manyara, Lake	3° 35' 00" S 35° 50' 00" E	
(see also: Lake Manyara)		
Matete river, NE shore lake Eyasi	3° 35' 00" S 35° 15' 00" E	

Meru, mount		3° 13' 00" S 36° 40' 00" E	
(see also: Mount Meru)			
Mfulu, Songoro [Hill]		3° 19' 00" S 36° 49' 00" E	
Mongola (see Mangola), SW Oldeami		3° 26' 00" S 35° 25' 00" E	1394 m
Mount Meru (see Meru, mount)		3° 13' 00" S 36° 40' 00" E	
Mto wa Mbu		3° 22' 28" S 35° 51' 15" E	1170 m
(see also: Mtowamba, Mtowambo, Mto-Wa-Mbo)			
Mtowamba (see Mto wa Mbu), N End Lake Manyara		3° 22' 28" S 35° 51' 15" E	1170 m
Mtowambo (see Mto wa Mbu)		3° 22' 28" S 35° 51' 15" E	1170 m
Mto-Wa-Mbo (see Mto wa Mbu)		3° 22' 28" S 35° 51' 15" E	1170 m
Natron See (see Natron, lake)		2° 25' 00" S 36° 00' 00" E	
(see also: Ksar el Abadla)			
Natron, lake		2° 25' 00" S 36° 00' 00" E	
(see also: Lake Natron, Magan, Natron See)			
Natron, W side lake		2° 25' 00" S 36° 00' 00" E	
(see also: Lake Natron, W side)			
Ngaruka (see Engaruka)		2° 59' 00" S 35° 57' 00" E	982 m
Ngelehek, Serengeti	ca.	3° 00' 00" S 35° 00' 00" E	
Ngongargare Forest (see Arusha National Park)		3° 15' 00" S 36° 45' 00" E	
Ngorongoro [crater]		3° 10' 00" S 35° 35' 00" E	
Ol Donyo Sambu [hill] (see Oldonyo Sambu [hill]), 30 km north Arusha		3° 10' 00" S 36° 39' 00" E	1829 m
Oldonyo Sambu [hill], 30 km north Arusha		3° 10' 00" S 36° 39' 00" E	1829 m
(see also: Ol Donyo Sambu [hill], Sambu, Oldonyo [hill])			
Sambu, Oldonyo [hill] (see Oldonyo Sambu [hill]), 30 km north Arusha		3° 10' 00" S 36° 39' 00" E	1829 m
Tanangire National Park			
Tanzania National Park			
Usa		3° 22' 00" S 36° 51' 00" E	1166 m
(see also: Usa River)			
Usa River (see Usa)		3° 22' 00" S 36° 51' 00" E	1166 m
Uto farm, Arusha-Longido road		3° 12' 00" S 36° 42' 00" E	
Bugagi, Zanzibar			
Chai camp			
Dar-Es-Salaam region			
Dar es Salaam		6° 48' 00" S 39° 17' 00" E	0 m
(see also: Dar es Salaam University, Dar es Salam, Dar-es-Salaam, University of Dar es Salaam)			
Oyster Bay		6° 47' 00" S 39° 17' 00" E	0 m
Dar es Salaam University (see Dar es Salaam)		6° 48' 00" S 39° 17' 00" E	
Dar es Salaam, 5 mi [=8 km] NW		6° 48' 00" S 39° 15' 00" E	
Dar es Salaam, 9 mi [=14.5 km] N		6° 42' 00" S 39° 18' 00" E	
Dar es Salam (see Dar es Salaam)		6° 48' 00" S 39° 17' 00" E	0 m
Dar-es-Salaam (see Dar es Salaam)		6° 48' 00" S 39° 17' 00" E	0 m
Kurasini area, Dar-es-Salaam		6° 50' 00" S 39° 17' 00" E	
Myaiai		6° 48' 00" S 39° 12' 00" E	
University of Dar es Salaam (see Dar es Salaam)		6° 48' 00" S 39° 17' 00" E	
Dindira and Ibaya, halfway between			
Dodoma			
Dodoma region			
Central Mpwapwa		6° 40' 00" S 36° 25' 00" E	
Dali		7° 00' 00" S 36° 25' 00" E	
Dodoma, 97 km E (see Kongwa)		6° 12' 00" S 36° 25' 00" E	1135 m
Gulwe Station, Mpwapwa		6° 27' 00" S 36° 25' 00" E	780 m
Gulube Station, Mpwapwa		6° 27' 00" S 36° 25' 00" E	780 m
Itende		6° 46' 00" S 36° 23' 00" E	1532 m
Kondoa		4° 54' 00" S 35° 47' 00" E	1405 m
(see also: Kondoa Irangi)			
Kondoa Irangi (see Kondoa)		4° 54' 00" S 35° 47' 00" E	1405 m
Kongwa, 97 km E Dodoma		6° 12' 00" S 36° 25' 00" E	1135 m
(see also: Dodoma, 97 km E)			
Kwa Mtoro, Kilimatinde, Singida		5° 14' 00" S 35° 26' 00" E	1214 m
Makangazi			
Makarazi			
Mpapua (see Mpwapwa)		6° 21' 00" S 36° 29' 00" E	970 m
Mpapwa (see Mpwapwa)		6° 21' 00" S 36° 29' 00" E	970 m
Mpwapwa		6° 21' 00" S 36° 29' 00" E	970 m
(see also: Mpapua, Mpapwa)			
Rubeho mountains		6° 55' 00" S 36° 30' 00" E	
Mwofwomero Forest		6° 50' 01" S 36° 34' 19" E	1900 m
Chugu Peak, near		6° 50' 01" S 36° 34' 19" E	
Sandawe (see Usandawe)		5° 15' 00" S 35° 20' 00" E	1200 m
Usandawe		5° 15' 00" S 35° 20' 00" E	1200 m
(see also: Sandawe)			

El Huthera island (see Pemba island)	5° 10' 00" S 39° 48' 00" E	
Geita region		
Iraka landscape		
Iringa region		
Iringa	7° 46' 00" S 35° 42' 00" E	1574 m
Iringa district	7° 35' 00" S 35° 30' 00" E	
Mulenge Forest	7° 25' 16" S 35° 28' 11" E	790 m
New Dabaga/Ulangambi Forest Reserve	8° 04' 00" S 35° 55' 00" E	1930 m
West Kilombero Scarp Forest Reserve	7° 49' 00" S 36° 35' 20" E	
Nyumbanitu Forest	7° 50' 38" S 36° 22' 18" E	
(see also: Nyumbanitu Forest Reserve)		
Nyumbanitu Forest Reserve (see Nyumbanitu Forest)	7° 50' 38" S 36° 22' 18" E	
Ukami Forest (see Ukami Forest Reserve)	7° 53' 20" S 36° 23' 12" E	338 m
Ukami Forest Reserve	7° 53' 20" S 36° 23' 12" E	338 m
(see also: Ukami Forest)		
Iringa, 12 km ESE (see Kigwembinbi)	7° 48' 22" S 35° 48' 13" E	1600 m
Iringa, 30 mi [=48 km] SSE (see Itanga)	8° 08' 00" S 35° 54' 00" E	1772 m
Iringa, 6 km E (see Kibebe farms)	7° 47' 00" S 35° 45' 00" E	1550 m
Iringa, near	7° 47' 00" S 35° 42' 00" E	
Itanga, 30 mi [=48 km] SSE Iringa	8° 08' 00" S 35° 54' 00" E	1772 m
(see also: Iringa, 30 mi [=48 km] SSE)		
Kibebe farms, 6 km E Iringa	7° 47' 00" S 35° 45' 00" E	1550 m
(see also: Iringa, 6 km E)		
Kibwele (see Kibwele Tea Estate)	8° 34' 32" S 35° 19' 55" E	
Kibwele Tea Estate	8° 34' 32" S 35° 19' 55" E	
(see also: Kibwele)		
Kigwembinbi, 12 km ESE Iringa	7° 48' 22" S 35° 48' 13" E	1600 m
(see also: Iringa, 12 km ESE)		
Kihansi Gorge		
Madahani [mission] (see Madehani [mission])	9° 21' 00" S 34° 02' 00" E	
Madehani [mission]	9° 21' 00" S 34° 02' 00" E	
(see also: Madahani [mission])		
Mdandu Forest, 30 mi [=48 km] S Njombe	9° 50' 00" S 34° 47' 00" E	
(see also: Njombe, 30 mi [=48 km] S)		
Mtandika	7° 32' 00" S 36° 26' 00" E	596 m
Mufindi district	8° 30' 00" S 35° 15' 00" E	
Lugoda Tea Estate, Uzungwa mountains	8° 35' 07" S 35° 15' 22" E	
Ngwazi Estate, Uzungwa Mountains	8° 31' 55" S 35° 10' 35" E	
Njombe, 30 mi [=48 km] S (see Mdandu Forest)	9° 50' 00" S 34° 47' 00" E	
Ruaha National Park	7° 30' 00" S 35° 00' 00" E	
Saranda	5° 43' 00" S 34° 59' 00" E	1074 m
(see also: Savanda)		
Savanda (see Saranda)	5° 43' 00" S 34° 59' 00" E	1074 m
Kagera region		
(see also: West Lake region |PC:KG|)		
Biaramulo (see Biharamulo)	2° 37' 55" S 31° 18' 32" E	1495 m
Biharamulo	2° 37' 55" S 31° 18' 32" E	1495 m
(see also: Biaramulo, Ussuwi, Usuwi)		
Biharamulo district	2° 30' 00" S 31° 20' 00" E	
Namirembe (see Nyamirembe)	2° 32' 00" S 31° 42' 00" E	1149 m
Nyambiremba (see Nyamirembe)	2° 32' 00" S 31° 42' 00" E	1149 m
Nyamirembe	2° 32' 00" S 31° 42' 00" E	1149 m
(see also: Namirembe, Nyambiremba, Nyamirembe Port)		
Nyamirembe Port (see Nyamirembe)	2° 32' 00" S 31° 42' 00" E	1149 m
Bukoba, Lake Victoria	1° 19' 54" S 31° 46' 44" E	1250 m
Bukoba district	1° 20' 00" S 31° 30' 00" E	
Karugu	1° 19' 00" S 31° 49' 00" E	
Minziro Forest Reserve	1° 03' 00" S 31° 32' 00" E	
Kele	1° 06' 00" S 31° 31' 12" E	
Minziro	1° 04' 00" S 31° 32' 00" E	
Ussuwi (see Biharamulo)	2° 37' 55" S 31° 18' 32" E	1495 m
Usuwi (see Biharamulo)	2° 37' 55" S 31° 18' 32" E	1495 m
KaskaPC:PN|)		
KaskaPC:ZN|)		
Katavi region		
Kebandio island, Zanzibar		
Kigoma region		
Gombe Stream Game Reserve (see Gombe Stream National Park)	4° 42' 00" S 29° 37' 00" E	
Gombe Stream National Park	4° 42' 00" S 29° 37' 00" E	
(see also: Gombe Stream Game Reserve)		
Kassulo (see Kasulu)	4° 34' 36" S 30° 06' 09" E	1458 m
Kasulo (see Kasulu)	4° 34' 36" S 30° 06' 09" E	1458 m

Kasulu	4° 34' 36" S 30° 06' 09" E	1458 m
(see also: Kassulo, Kasulo)		
Kigoma district	5° 30' 00" S 30° 00' 00" E	
Kigoma, near Lake Tanagyika	4° 52' 37" S 29° 37' 36" E	775 m
Kigoma, near, near Lake Tanagyika	4° 53' 00" S 29° 38' 00" E	1067 m
Kunguë Hill summit, 0.5 km NW (see Nkungwe Hill summit, 0.5 km NW)	6° 06' 16" S 29° 46' 44" E	2100 m
Kungwe Hille summit, 0.5 km NW (see Nkungwe Hill summit, 0.5 km NW)	6° 06' 16" S 29° 46' 44" E	
Nkungwe Hill summit, 0.5 km NW	6° 06' 16" S 29° 46' 44" E	2100 m
(see also: Kunguë Hill summit, 0.5 km NW, Kungwe Hille summit, 0.5 km NW)		
Lake Tanganyika	4° 52' 00" S 29° 37' 00" E	
Mahale Mountains National Park	6° 12' 22" S 29° 56' 55" E	
Kalilani village	6° 01' 03" S 29° 45' 08" E	785 m
Kangwena	6° 07' 54" S 29° 47' 38" E	780 m
Matema village	6° 07' 54" S 29° 47' 38" E	
Marungu	3° 44' 00" S 30° 48' 00" E	1317 m
Nyanga	4° 11' 23" S 30° 06' 19" E	1230 m
Udidji (see Ujiji)	4° 54' 20" S 29° 40' 34" E	781 m
Ugoi (see Ujiji)	4° 54' 20" S 29° 40' 34" E	781 m
Ujiji	4° 54' 20" S 29° 40' 34" E	781 m
(see also: Udidji, Ugoi, Ujyi)		
Ujyi (see Ujiji)	4° 54' 20" S 29° 40' 34" E	781 m
Kilimanjaro region		
Bombo, 8 km S (see Lugulu village, near)	4° 19' 48" S 38° 00' 00" E	1100 m
Chilmangiaro (see Mount Kilimanjaro)	3° 04' 00" S 37° 22' 00" E	4500 ft
Chome Forest Reserve, 3 km E, 0.7 km N Mhero	4° 18' 00" S 37° 58' 00" E	2000 m
(see also: Mhero, 3 km E, 0.7 km N, South Pare Mountains)		
Bombo, 5.5 km S (see Kanza village, near)	4° 19' 12" S 38° 00' 00" E	1100 m
Bombo, 7 km S	4° 19' 48" S 38° 00' 00" E	1100 m
Kanza village, near, 5.5 km S Bombo	4° 19' 12" S 38° 00' 00" E	1100 m
(see also: Bombo, 5.5 km S)		
Gonja	4° 16' 00" S 38° 03' 00" E	575 m
(see also: Gonja Maore)		
Gonja Forest Reserve, 2 km SW Gonja Maore	4° 16' 00" S 38° 02' 00" E	550 m
(see also: Gonja Maore, 2 km SW)		
Gonja Maore (see Gonja)	4° 16' 00" S 38° 03' 00" E	575 m
Gonja Maore, 2 km SW (see Gonja Forest Reserve)	4° 16' 00" S 38° 02' 00" E	550 m
Jipe, lake	3° 35' 00" S 37° 45' 00" E	
(see also: Lake Jipe)		
Kibonato (see Kibongoto)	3° 11' 00" S 37° 06' 00" E	6200 ft
Kibongoto	3° 11' 00" S 37° 06' 00" E	6200 ft
(see also: Kibonato, Kibonoto)		
Kibonoto (see Kibongoto)	3° 11' 00" S 37° 06' 00" E	6200 ft
Kiboscho (see Kibosho)	3° 15' 00" S 37° 19' 00" E	1206 m
Kibosho	3° 15' 00" S 37° 19' 00" E	1206 m
(see also: Kiboscho)		
Kilimandcharo (see Mount Kilimanjaro)	3° 04' 00" S 37° 22' 00" E	4500 ft
Kilimanjaro, mount (see Mount Kilimanjaro)	3° 04' 00" S 37° 22' 00" E	4500 ft
Lake Jipe (see Jipe, lake)	3° 35' 00" S 37° 45' 00" E	
Lembeni	3° 47' 00" S 37° 37' 00" E	1072 m
Lembeni district		
Sam Deli	4° 00' 00" S 37° 30' 00" E	
Same	4° 04' 00" S 37° 44' 00" E	897 m
(see also: Ssame)		
Ssame (see Same)	4° 04' 00" S 37° 44' 00" E	897 m
Lugulu village, near, 8 km S Bombo	4° 19' 48" S 38° 00' 00" E	1100 m
(see also: Bombo, 8 km S)		
Masimani	4° 13' 00" S 37° 33' 00" E	807 m
Mhero, 3 km E, 0.7 km N (see Chome Forest Reserve)	4° 18' 00" S 37° 58' 00" E	2000 m
Misingi, near Sanya Inn	3° 24' 00" S 37° 06' 00" E	
Moschi (see Moshi)	3° 21' 00" S 37° 20' 00" E	887 m
Moshi	3° 21' 00" S 37° 20' 00" E	887 m
(see also: Moschi, Moshi Voi)		
Moshi Voi (see Moshi)	3° 21' 00" S 37° 20' 00" E	887 m
Mount Kilimanjaro	3° 04' 00" S 37° 22' 00" E	4500 ft
(see also: Chilmangiaro, Kilimandcharo, Kilimanjaro, mount)		
Maua, 4 km N, 1.5 km W	3° 14' 24" S 37° 27' 30" E	
Maua, 7 km N, 2.5 km W	3° 12' 28" S 37° 26' 49" E	
Mwanga district	3° 45' 00" S 37° 40' 00" E	
Kindoroko Forest Reserve	3° 45' 37" S 37° 38' 50" E	1688 m
Nashallo, near Sanya Juu	3° 12' 00" S 37° 02' 00" E	

South Pare Mountains (see Chome Forest Reserve), 3 km E, 0.7 km N Mhero		4° 18' 00" S 37° 58' 00" E	2000 m
Usangi, North Pare Mountains		3° 42' 00" S 37° 40' 00" E	1355 m
Weru Weru River	ca.	3° 24' 00" S 37° 18' 00" E	
Kipara and Ikulia Rivers, between			
Kisikka			
Kiswawe			
KusinPC:PS|)			
KusinPC:ZS|)			
Lake Victoria (see Victoria, lake)		1° 00' 00" S 33° 00' 00" E	
Li Junge, mountain			
Li Tunge			
Lindi region (see also: Southern region |PC:LI|)			
Amana Island		8° 42' 17" S 39° 27' 10" E	
Amana (reef)		8° 42' 17" S 39° 27' 10" E	
Inwale, Kilwa			
Kibata		8° 28' 00" S 38° 59' 00" E	285 m
Kilwa (see Kilwa Kivinje)		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa district		9° 00' 00" S 39° 00' 00" E	
Samanga (see Somanga)		8° 24' 00" S 39° 17' 00" E	3 m
Kondoa, 100 mi [=160 km] E (see Kujungu)		5° 14' 56" S 37° 06' 01" E	
Kujungu (see also: Kondoa, 100 mi [=160 km] E)		5° 14' 56" S 37° 06' 01" E	
Tanangire National Park (see Tarangire National Park)		4° 00' 00" S 36° 00' 00" E	
Tarangire Game Reserve (see Tarangire National Park)		4° 00' 00" S 36° 00' 00" E	
Tarangire National Park (see also: Tanangire National Park, Tarangire Game Reserve)		4° 00' 00" S 36° 00' 00" E	
Foley's Camp		3° 47' 52" S 36° 04' 08" E	999 m
Mbuya Mingi Campsite, near		3° 50' 25" S 36° 00' 20" E	1060 m
Somanga (see also: Samanga)		8° 24' 00" S 39° 17' 00" E	3 m
Songo Songo Island (see also: Songogongo Island)		8° 31' 00" S 39° 29' 00" E	
Songogongo Island (see Songo Songo Island)		8° 31' 00" S 39° 29' 00" E	
Tong'omba Forest Reserve, Matumbi Massif		8° 25' 00" S 39° 01' 00" E	
Kilwa Kivinje (see also: Kilwa, Kilwa-Kiwindje, Kilwa-Kiwindsche)		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa-Kiwindje (see Kilwa Kivinje)		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa-Kiwindsche (see Kilwa Kivinje)		8° 45' 00" S 39° 24' 00" E	25 m
Likawage, Kilwa		9° 13' 00" S 39° 00' 00" E	132 m
Lindi		10° 00' 00" S 39° 43' 00" E	0 m
Lindi district		10° 00' 00" S 39° 20' 00" E	
Litipo Forest Reserve, 25 km W Lindi (see also: Lindi, 25 km W)		10° 02' 00" S 39° 30' 00" E	
Lindi, 25 km W (see Litipo Forest Reserve)		10° 02' 00" S 39° 30' 00" E	
Lindi, 50-60 km W (see Rondo Forest Reserve)		10° 09' 00" S 39° 15' 00" E	ca. 473 m
Livale (see Liwale)		9° 46' 00" S 37° 56' 00" E	468 m
Liwale (see also: Livale, Liwale T.T.)		9° 46' 00" S 37° 56' 00" E	468 m
Liwale district		9° 30' 00" S 38° 00' 00" E	1900 ft
Liwale T.T. (see Liwale)		9° 46' 00" S 37° 56' 00" E	468 m
Madaba		8° 40' 00" S 37° 47' 00" E	391 m
Mangangachi, Kilwa		9° 00' 00" S 39° 30' 00" E	
Mararenge		8° 55' 00" S 39° 34' 00" E	
Mawarenge		9° 36' 00" S 39° 02' 00" E	164 m
Mtira			
Mwera district			
Mbemba		10° 03' 00" S 38° 31' 00" E	265 m
Nachingwea district		10° 30' 00" S 38° 20' 00" E	
Nachingwa (see Nachingwea)		10° 23' 00" S 38° 46' 00" E	380 m
Nachingwea (see also: Nachingwa)		10° 23' 00" S 38° 46' 00" E	380 m
Nakibou, Kilwa		9° 00' 00" S 39° 30' 00" E	
Namithu Kilwa		9° 00' 00" S 39° 30' 00" E	
Namumbulu, Kilwa		9° 00' 00" S 39° 30' 00" E	
Nangoma cave?, near Matumbi	ca.	9° 29' 00" S 35° 31' 00" E	
Nanguale, Liwale			
Noamania, Kilwa		9° 00' 00" S 39° 30' 00" E	
Rondo Flat [forest] (see Rondo Forest Reserve), 50-60 km W Lindi		10° 09' 00" S 39° 15' 00" E	ca. 473 m

Rondo Forest Reserve, 50-60 km W Lindi		10° 09' 00" S 39° 15' 00" E	ca. 473 m
(see also: Lindi, 50-60 km W, Rondo Flat [forest])			
Ruangwa		10° 04' 00" S 38° 56' 00" E	363 m
Songomano, Kilwa	ca.	9° 00' 00" S 39° 30' 00" E	
Tandamanga, Liwale		9° 39' 00" S 37° 51' 00" E	
Tendaguro		9° 45' 00" S 39° 20' 00" E	
(see also: Tendaguru, Tendoguru)			
Tendaguru (see Tendaguro)		9° 45' 00" S 39° 20' 00" E	375 m
Tendoguru (see Tendaguro), Likwaje [=Likwaya]		9° 49' 00" S 39° 34' 00" E	
Lugerungjere river			
Makoa			
Makoa Caves			
Manyara region			
Burru (see Mbulu)		3° 51' 00" S 35° 32' 00" E	1772 m
Iraka landscape (see Mbulu)		3° 51' 00" S 35° 32' 00" E	1772 m
Iraku (see Mbulu)		3° 51' 00" S 35° 32' 00" E	1772 m
Lake Manyara National Park, Ndala River		3° 37' 00" S 35° 53' 00" E	
Ndala		3° 37' 30" S 35° 52' 30" E	
Mbulu		3° 51' 00" S 35° 32' 00" E	1772 m
(see also: Burru, Iraka landscape, Iraku, Mburu, Umbulu)			
Mbulu district		3° 45' 00" S 35° 20' 00" E	
Mburu (see Mbulu)		3° 51' 00" S 35° 32' 00" E	1772 m
Tarangire National Park		3° 47' 42" S 36° 03' 49" E	
Umbulu (see Mbulu)		3° 51' 00" S 35° 32' 00" E	1772 m
Mara region			
Banagi, 4 mi [=6.4 km] NNW (see Rohero Mine)	ca.	2° 16' 00" S 34° 51' 00" E	
Bologonja (see Bologonya), Serengeti		1° 34' 00" S 34° 58' 00" E	
Bologonya, Serengeti		1° 34' 00" S 34° 58' 00" E	
(see also: Bologonja)			
Kibara		2° 09' 00" S 33° 27' 00" E	1137 m
(see also: Kibarra)			
Kibarra (see Kibara)		2° 09' 00" S 33° 27' 00" E	1137 m
Kiswanga		1° 57' 00" S 33° 56' 00" E	
Mazama (see Musoma)		1° 30' 00" S 33° 48' 00" E	
Misoma (see Musoma)		1° 30' 00" S 33° 48' 00" E	
Musoma		1° 30' 00" S 33° 48' 00" E	
(see also: Mazama, Misoma, Musome, Muzoma)			
Trina	ca.	1° 30' 00" S 33° 48' 00" E	
Zanari		1° 31' 00" S 33° 48' 00" E	1134 m
Musoma district		1° 45' 00" S 33° 50' 00" E	
Chandege		1° 31' 00" S 33° 48' 00" E	1133 m
Kampi Ya Mawe		1° 30' 00" S 33° 50' 00" E	
Mageta (see Mugeta)		1° 57' 00" S 34° 12' 00" E	1354 m
Mara, Mugeta		1° 31' 00" S 33° 49' 00" E	
Mugeta		1° 57' 00" S 34° 12' 00" E	1354 m
(see also: Mageta)			
Musome (see Musoma)		1° 30' 00" S 33° 48' 00" E	
Muzoma (see Musoma)		1° 30' 00" S 33° 48' 00" E	
Ngoroine			
(see also: Nguruimi)			
Nguruimi (see Ngoroine)			
Rohero Mine, 4 mi [=6.4 km] NNW Banagi	ca.	2° 16' 00" S 34° 51' 00" E	
(see also: Banagi, 4 mi [=6.4 km] NNW)			
Serengeti National Park		2° 20' 00" S 34° 50' 00" E	
(see also: Serengeti Research Institute)			
Banagi, Serengeti		2° 16' 00" S 34° 51' 00" E	1413 m
Grummetti (see Gurumeti), Serengeti		2° 05' 00" S 33° 57' 00" E	
Gurumeti, Serengeti		2° 05' 00" S 33° 57' 00" E	
(see also: Grummetti)			
Handajega, Serengeti		2° 15' 00" S 34° 06' 00" E	1200 m
(see also: Handajegu)			
Handajegu (see Handajega), Serengeti		2° 15' 00" S 34° 06' 00" E	1200 m
Milimafedha mine		2° 20' 00" S 34° 50' 00" E	
Musabi (Special Camp), Serengeti	ca.	2° 17' 18" S 34° 28' 00" E	
Rohogo mine		2° 20' 00" S 34° 50' 00" E	
Seronera, Serengeti		2° 25' 00" S 34° 50' 00" E	1463 m
Serengeti Research Institute (see Serengeti National Park)		2° 20' 00" S 34° 50' 00" E	
Tabora		1° 43' 00" S 34° 46' 00" E	
Tambi, Tambi			
Mazwa			
Mbeya region			
Chimala		8° 51' 00" S 34° 01' 00" E	1200 m
Ilolo, near Rungwe		9° 10' 00" S 33° 35' 00" E	1469 m
Langenburg (see Lumbira)		9° 34' 00" S 34° 08' 00" E	476 m

Lumbira		9° 34' 00" S 34° 08' 00" E	476 m
(see also: Langenburg, Old Langenburg, Rumbira)			
Mbalizi, 13 km W (see Tegemo farm)	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
Mbeya		8° 54' 00" S 33° 27' 00" E	
Mbeya Township		8° 54' 00" S 33° 27' 00" E	1661 m
Mbeya, ca. 40 km W (see Songwe Bat Cave)		9° 42' 00" S 33° 56' 00" E	
Mbizi Forest, Ufipa		7° 52' 00" S 30° 42' 00" E	
Muaja (see Mwaya), small port at N end Lake Nyasa		9° 33' 00" S 33° 57' 00" E	472 m
Mvaya (see Mwaya), small port at N end Lake Nyasa		9° 33' 00" S 33° 57' 00" E	472 m
Mwaya, small port at N end Lake Nyasa		9° 33' 00" S 33° 57' 00" E	472 m
(see also: Muaja, Mvaya)			
Mwaya, southwestern	ca.	9° 33' 00" S 33° 57' 00" E	
Old Langenburg (see Lumbira)		9° 34' 00" S 34° 08' 00" E	476 m
Poroto mountains		9° 00' 00" S 33° 45' 00" E	
Igale (see Itale)		9° 16' 00" S 33° 19' 00" E	1690 m
Itale		9° 16' 00" S 33° 19' 00" E	1690 m
(see also: Igale)			
Ngozi Crater		8° 59' 59" S 23° 33' 43" E	
Rumbira (see Lumbira)		9° 34' 00" S 34° 08' 00" E	476 m
Rungwa mountains		9° 08' 00" S 33° 40' 00" E	
Rungwe district		9° 15' 00" S 33° 40' 00" E	5000 ft
Northern Matema		9° 28' 53" S 34° 01' 57" E	
Rungwe Mountains, Mwatesi Stream		9° 08' 00" S 33° 40' 00" E	2015 m
Rutengani [Mission] (see Rutenganio [Mission])		9° 21' 00" S 33° 37' 00" E	
Rutenganio [Mission]		9° 21' 00" S 33° 37' 00" E	
(see also: Rutengani [Mission])			
Songwe Bat Cave, ca. 40 km W Mbeya		9° 42' 00" S 33° 56' 00" E	
(see also: Mbeya, ca. 40 km W, Songwe River, Songwe-Fluss, Ssongwe Bat Cave)			
Songwe caves		8° 30' 00" S 33° 48' 00" E	
Songwe River (see Songwe Bat Cave), ca. 40 km W Mbeya		9° 42' 00" S 33° 56' 00" E	
Songwe Valley (see Tegemo farm), 13 km W Mbalizi	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
Songwe-Fluss (see Songwe Bat Cave), ca. 40 km W Mbeya		9° 42' 00" S 33° 56' 00" E	
Ssongwe Bat Cave (see Songwe Bat Cave), ca. 40 km W Mbeya		9° 42' 00" S 33° 56' 00" E	
Suma		9° 12' 00" S 33° 43' 00" E	1452 m
Tegemo farm, 13 km W Mbalizi	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
(see also: Mbalizi, 13 km W, Songwe Valley)			
Meru river (see Mweru river)			
MjiniPC:ZW|)			
Mnara		10° 07' 00" S 39° 24' 00" E	
Morogoro region			
Bagilo		7° 10' 00" S 37° 40' 00" E	
Behobeho		8° 15' 00" S 37° 30' 00" E	
Bunduki		7° 02' 00" S 37° 38' 00" E	1416 m
Doma Mikumi Game Controlled Area (see Mikumi National Park)		7° 15' 00" S 37° 05' 00" E	
Great Ruaha River		7° 56' 00" S 37° 50' 00" E	
Ilonga Research and Training Centre		6° 51' 00" S 36° 59' 00" E	
Imbala, near Kilosa		6° 51' 00" S 36° 59' 00" E	
Ingalala, near Mahenge		8° 41' 00" S 36° 41' 00" E	
Iringa, 137 km SE (see Mbangala)		8° 36' 00" S 36° 44' 00" E	626 m
Isongo	ca.	8° 45' 24" S 36° 41' 45" E	
Kidode (see Kidodi)		7° 36' 00" S 36° 59' 00" E	337 m
Kidodi, The Great Ruaha River, N		7° 36' 00" S 36° 59' 00" E	337 m
(see also: Kidode)			
Kidugallo		6° 47' 00" S 38° 12' 00" E	180 m
Kilombero district		8° 15' 00" S 36° 25' 00" E	
Kihansi airstrip		8° 24' 22" S 35° 40' 57" E	
Mlumbaji stream camp	ca.	8° 24' 22" S 35° 40' 57" E	
Mwanihana Forest, Uuzungwa Mountains		7° 50' 00" S 36° 50' 00" E	100 m
(see also: Mwanihana Forest Reserve)			
Mwanihana Forest Reserve (see Mwanihana Forest), Uuzungwa Mountains		7° 50' 00" S 36° 50' 00" E	100 m
Nambiga Forest Reserve		8° 34' 00" S 36° 29' 00" E	
Kilosa		6° 50' 00" S 36° 59' 00" E	572 m
(see also: Kilossa)			
Kilosa district		7° 00' 00" S 37° 00' 00" E	
Mwasa		6° 40' 00" S 36° 45' 00" E	627 m
Kilosa, near	ca.	6° 49' 00" S 37° 00' 00" E	
(see also: Kilossa, weitere Umgebung)			
Kilossa (see Kilosa)		6° 50' 00" S 36° 59' 00" E	572 m

Kilossa, weitere Umgebung (see Kilosa, near), Tangayika, Deutsch Ost Afrika [=German East Africa]	ca.	6° 49' 00" S 37° 00' 00" E	
Kiraboga		6° 51' 00" S 36° 59' 00" E	
Kisaki		7° 28' 00" S 37° 36' 00" E	292 m
(see also: Kisaki Fort, Kissaki)			
Kisaki Fort (see Kisaki)		7° 28' 00" S 37° 36' 00" E	292 m
Kissaki (see Kisaki)		7° 28' 00" S 37° 36' 00" E	292 m
Kugulwira		6° 48' 00" S 37° 40' 00" E	
Lukoga, Mahenge		9° 00' 00" S 37° 00' 00" E	
Mahenge district (see Ulanga district)		9° 00' 00" S 36° 40' 00" E	
Ulanga		7° 18' 00" S 36° 56' 00" E	663 m
Makuya (see Mkundi)		6° 19' 00" S 37° 23' 00" E	536 m
Manyangu Forest Reserve, 8 km N, 3 km W Mhonda		6° 02' 50" S 37° 32' 50" E	1000 m
(see also: Mhonda, 8 km N, 3 km W)			
Mbala		6° 50' 00" S 36° 59' 00" E	572 m
Mbangala, 137 km SE Iringa		8° 36' 00" S 36° 44' 00" E	626 m
(see also: Iringa, 137 km SE, Mbanja)			
Mbanja (see Mbangala), 137 km SE Iringa		8° 36' 00" S 36° 44' 00" E	626 m
Mgudeni		6° 49' 00" S 37° 40' 00" E	
Mhonda, 8 km N, 3 km W (see Manyangu Forest Reserve)		6° 02' 50" S 37° 32' 50" E	
Mhotta			
Mikumi National Park		7° 15' 00" S 37° 05' 00" E	876 m
(see also: Doma Mikumi Game Controlled Area)			
Mikumi National Park, H.Q.		7° 22' 00" S 37° 00' 00" E	
Milaliwila Forest Reserve		6° 59' 00" S 37° 45' 00" E	
Mkundi		6° 19' 00" S 37° 23' 00" E	536 m
(see also: Makuya)			
Morogoro		6° 48' 00" S 37° 40' 00" E	560 m
Morogoro district		6° 50' 00" S 37° 45' 00" E	
Kimboza Forest Reserve		7° 01' 45" S 37° 46' 42" E	
Mhonda, 6 km N, 6 km W (see Nguru South Forest Reserve)		6° 03' 50" S 37° 31' 25" E	1500 m
Mkungwe Forest Reserve		6° 52' 00" S 37° 55' 00" E	
Morogoro		6° 49' 00" S 37° 40' 00" E	510 m
(see also: Mrogoro, Murogoro, Norogoro)			
Mrogoro (see Morogoro)		6° 49' 00" S 37° 40' 00" E	510 m
Murogoro (see Morogoro)		6° 49' 00" S 37° 40' 00" E	510 m
Nguru South Forest Reserve, 6 km N, 6 km W Mhonda		6° 03' 50" S 37° 31' 25" E	1500 m
(see also: Mhonda, 6 km N, 6 km W)			
Norogoro (see Morogoro)		6° 49' 00" S 37° 40' 00" E	510 m
Morogoro, 20 mi [=32 km] N		6° 48' 00" S 37° 40' 00" E	
Morogoro, near	ca.	6° 48' 00" S 37° 40' 00" E	
Muhange		9° 26' 00" S 36° 48' 00" E	
Mvuha Forest Reserve		7° 11' 50" S 37° 48' 08" E	
Mwaya, Kilwa		8° 55' 00" S 36° 50' 00" E	464 m
Ngambaula Forest Reserve		6° 59' 00" S 37° 44' 00" E	
Nguru Mountains		6° 00' 00" S 37° 30' 00" E	
Ruvu Forest Reserve		7° 00' 28" S 37° 51' 56" E	
Tindiga, Kilosa		6° 55' 00" S 37° 20' 00" E	
Turiani		6° 09' 00" S 37° 36' 00" E	458 m
Udzungwa mountains			
Chita, 1.7 km N, 3.5 km W		8° 30' 20" S 35° 54' 30" E	910 m
Chita, 3 km N (see Udzungwa Scarp forest reserve)		8° 31' 00" S 35° 56' 00" E	
Chita, 4.5 km W		8° 31' 10" S 35° 54' 15" E	600 m
Ndundulu Forest (see West Kilombero Scarp Forest Reserve)		7° 55' 00" S 36° 30' 00" E	
Uhafiwa Luhega Forest, Uhafiwa, near		8° 30' 00" S 35° 51' 00" E	1400 m
West Kilombero Scarp Forest Reserve		7° 55' 00" S 36° 30' 00" E	
(see also: Ndundulu Forest)			
Udzungwa National Park (see Udzungwa Scarp forest reserve), 3 km N Chita		8° 31' 00" S 35° 56' 00" E	
Udzungwa Scarp forest reserve, 3 km N Chita		8° 31' 00" S 35° 56' 00" E	
(see also: Chita, 3 km N, Udzungwa National Park)			
Kihanga, 15 km SSE Msisiwe		8° 22' 00" S 35° 56' 00" E	1800 m
(see also: Msisiwe, 15 km SSE)			
Mangula		7° 50' 52" S 36° 52' 02" E	350 m
Msisiwe, 15 km SSE (see Kihanga)		8° 22' 00" S 35° 56' 00" E	1800 m
Ukami Mountains			
Ulanga district		9° 00' 00" S 36° 40' 00" E	
(see also: Mahenge district)			
Kasanga Forest Reserve		7° 11' 40" S 37° 45' 38" E	
Kilombero Valley, Rufiri-Itete area		8° 40' 00" S 36° 30' 00" E	330 m

Mafinji camp		8° 36' 44" S 36° 28' 43" E	
Mahenge, near Kilosa		8° 41' 00" S 36° 43' 00" E	1276 m
Mahenge Scarp Forest Reserve		8° 37' 00" S 36° 43' 36" E	790 m
Matanilas	ca.	9° 00' 00" S 36° 40' 00" E	244 m
Nawenge Forest Reserve		8° 42' 00" S 36° 43' 00" E	
Uluguru mountains		7° 10' 00" S 37° 40' 00" E	
Kinole, N slope Uluguru mountains		6° 54' 00" S 37° 46' 00" E	739 m
Moringside		6° 53' 00" S 37° 40' 00" E	4000 ft
(see also: Morningside)			
Morningside (see Moringside)		6° 53' 00" S 37° 40' 00" E	4000 ft
Tegetero, 3 km W, 1.3 km N (see Uluguru North Forest Reserve)		6° 55' 00" S 37° 42' 00" E	
Uluguru North Forest Reserve, 3 km W, 1.3 km N Tegetero		6° 55' 00" S 37° 42' 00" E	1345 m
(see also: Tegetero, 3 km W, 1.3 km N)			
Utengule		8° 57' 00" S 35° 50' 00" E	308 m
(see also: Utenguli)			
Utenguli (see Utengule)		8° 57' 00" S 35° 50' 00" E	308 m
Mtondo River, Luwegu			
Mtwara region			
Kitaya, Ruvuma River		10° 39' 00" S 40° 10' 00" E	45 m
Mtware district		10° 30' 00" S 40° 00' 00" E	
Mikindani		10° 17' 00" S 40° 07' 00" E	17 m
(see also: Old Mikindani)			
Old Mikindani (see Mikindani)		10° 17' 00" S 40° 07' 00" E	17 m
Newala		10° 56' 00" S 39° 18' 00" E	620 m
Mwanza region			
Bulyahulu [Gold Mine]		3° 43' 43" S 32° 28' 37" E	
Capri Point		2° 31' 37" S 32° 53' 22" E	
Geita district		2° 55' 00" S 32° 15' 00" E	
Ashanti-Geita	ca.	2° 55' 00" S 32° 05' 00" E	
Katungulu (see Katunguru)		2° 31' 00" S 32° 40' 00" E	1219 m
Katunguru		2° 31' 00" S 32° 40' 00" E	1219 m
(see also: Katungulu)			
Nkome		2° 52' 00" S 32° 12' 00" E	1135 m
Nyamboge		2° 33' 00" S 32° 04' 00" E	1135 m
Ikoma [hill]		3° 03' 00" S 33° 07' 00" E	
Kamanga	ca.	2° 32' 02" S 32° 50' 20" E	
Muansa (see Mwanza)		2° 31' 00" S 32° 54' 00" E	1209 m
Muanza (see Mwanza)		2° 31' 00" S 32° 54' 00" E	1209 m
Mwamza (see Mwanza)		2° 31' 00" S 32° 54' 00" E	1209 m
Mwansa (see Mwanza)		2° 31' 00" S 32° 54' 00" E	1209 m
Mwanza		2° 31' 00" S 32° 54' 00" E	1209 m
(see also: Muansa, Muanza, Mwamza, Mwansa)			
Bwiru		2° 28' 16" S 32° 53' 13" E	
(see also: Wiru)			
Isamico		2° 30' 00" S 32° 54' 00" E	1135 m
Isamilo (International School)		2° 30' 30" S 32° 54' 23" E	
Nyegezi		2° 31' 27" S 32° 53' 25" E	
Wiru (see Bwiru)		2° 28' 16" S 32° 53' 13" E	
Mwanza district		2° 30' 00" S 33° 00' 00" E	
Sagaya		2° 30' 00" S 33° 00' 00" E	
Senegerma		2° 40' 00" S 32° 39' 00" E	1276 m
Rubondo [island]		2° 20' 00" S 31° 50' 00" E	350 m
(see also: Ruwondo [island])			
Ruwondo [island] (see Rubondo [island])		2° 20' 00" S 31° 50' 00" E	350 m
Simiyu river, Serengeti plains		2° 33' 00" S 33° 25' 00" E	
Ukara island, Lake Victoria		1° 50' 00" S 33° 03' 00" E	
Ukerewe island, Lake Victoria		2° 03' 00" S 33° 00' 00" E	
Mweru river			
(see also: Meru river)			
Mwsamwilager			
Nam Lolwe (see Victoria, lake)		1° 00' 00" S 33° 00' 00" E	
Njombe region			
Northeastern Tanzania			
Pemba			
Inkoani			
Malindini			
Mbiji			
Pemba island		5° 10' 00" S 39° 48' 00" E	
(see also: El Huthera island)			
Barawa			
Niete			
Pemba North Region		5° 05' 00" S 39° 48' 00" E	
Pemba North region			
(see also: Kaskazini-Pemba region |PC:PN|)			

Fondo Island (see Fundo Island)		5° 03' 00" S 39° 39' 00" E	
Fundo Island		5° 03' 00" S 39° 39' 00" E	
(see also: Fondo Island)			
Kideke		5° 10' 20" S 39° 49' 50" E	
Kijijini village		4° 54' 06" S 39° 41' 17" E	21 m
Matanga (see Matanga Twani)		4° 58' 00" S 39° 44' 00" E	
Mgogoni		5° 00' 00" S 39° 44' 00" E	0 m
Matanga Twani		4° 58' 00" S 39° 44' 00" E	
(see also: Matanga, Mtanga Twani)			
Maziwa Ngombe		4° 59' 00" S 39° 52' 00" E	
(see also: Maziwangombe)			
Maziwa Ngombe		4° 58' 51" S 39° 52' 03" E	1 m
(see also: Maziwa ya Ngombe, Maziwangombe)			
Maziwa ya Ngombe (see Maziwa Ngombe)		4° 58' 51" S 39° 52' 03" E	1 m
Maziwangombe (see Maziwa Ngombe)		4° 59' 00" S 39° 52' 00" E	
Maziwangombe (see Maziwa Ngombe)		4° 58' 51" S 39° 52' 03" E	1 m
Mbuyuni village		5° 07' 00" S 39° 45' 00" E	
Maruwa Jongo cave	ca.	5° 07' 00" S 39° 45' 00" E	
Mkvani	ca.	5° 03' 59" S 39° 46' 39" E	
Mtanga Twani (see Matanga Twani)		4° 58' 00" S 39° 44' 00" E	
Mwiti Mkuu, Pemba island		4° 55' 00" S 39° 48' 00" E	
Ngezi Forest		4° 56' 00" S 39° 42' 00" E	
Chonja village		4° 57' 02" S 39° 43' 45" E	14 m
Kibatini village		4° 57' 24" S 39° 43' 04" E	51 m
Kipangani village		4° 57' 54" S 39° 42' 52" E	12 m
Ole		5° 11' 00" S 39° 49' 00" E	1 m
Pashuni cave		5° 52' 40" S 39° 18' 41" E	55 m
Tundau (see Tundaua)		5° 15' 00" S 39° 42' 00" E	0 m
Tundaua		5° 15' 00" S 39° 42' 00" E	0 m
(see also: Tundau)			
Wete		5° 04' 00" S 39° 43' 00" E	0 m
(see also: Wetu)			
Wetu (see Wete)		5° 04' 00" S 39° 43' 00" E	0 m
Pemba South region			
(see also: Kusini-Pemba region |PC:PS|)			
Chake Chake		5° 15' 00" S 39° 46' 00" E	1 m
(see also: Chakechake, Chaki Chaki)			
Chakechake (see Chake Chake)		5° 15' 00" S 39° 46' 00" E	1 m
Chaki Chaki (see Chake Chake)		5° 15' 00" S 39° 46' 00" E	1 m
Chuaka		5° 23' 00" S 39° 47' 00" E	0 m
Fufuni		5° 26' 00" S 39° 41' 00" E	0 m
Kobani (see Mkoani)		5° 22' 00" S 39° 39' 00" E	0 m
Mizi Miombe Hill		5° 23' 00" S 39° 42' 00" E	
Mkanyageni		5° 24' 00" S 39° 40' 00" E	
(see also: Mkanyagini)			
Mkanyagini (see Mkanyageni)		5° 24' 00" S 39° 40' 00" E	
Mkoani		5° 22' 00" S 39° 39' 00" E	0 m
(see also: Kobani)			
Mwanamakuku cave (see Pujini village)		5° 18' 00" S 39° 48' 00" E	1 m
Pujini village		5° 18' 00" S 39° 48' 00" E	1 m
(see also: Mwanamakuku cave)			
Pwani region			
Bagamoyo district		6° 20' 00" S 38° 30' 00" E	
Bagamojo (see Bagamoyo)		6° 26' 00" S 38° 54' 00" E	
Bagamoyo		6° 26' 00" S 38° 54' 00" E	
(see also: Bagamojo)			
Kiono-Zaraninge Forest Reserve	ca.	6° 08' 00" S 38° 36' 00" E	
(see also: Zaraninge-Kiano forest reserve)			
Zaraninge-Kiano forest reserve (see Kiono-Zaraninge Forest Reserve), SW Sadani	ca.	6° 08' 00" S 38° 36' 00" E	
Chole island		7° 58' 36" S 39° 45' 39" E	
Chole Shamba (see Mafia island)		7° 51' 14" S 39° 46' 49" E	
Juani island		8° 00' 36" S 39° 46' 31" E	
Juani village		7° 59' 28" S 39° 46' 47" E	10 m
Kua ruins		8° 00' 16" S 39° 46' 00" E	
Kilindoni, Mafia island		7° 54' 46" S 39° 39' 48" E	
Kisarawe district		7° 10' 00" S 38° 50' 00" E	
Kazimzumbwi forest reserve, SSW Dar es Salaam		6° 58' 00" S 39° 03' 00" E	
Kisarawe		6° 54' 00" S 39° 04' 00" E	222 m
(see also: Kiserawe)			
Kisarawe, near	ca.	6° 53' 00" S 39° 03' 00" E	
Kiserawe (see Kisarawe)		6° 54' 00" S 39° 04' 00" E	222 m
Kisiju island		7° 24' 00" S 39° 20' 00" E	
Pugu Forest Reserve		6° 53' 00" S 39° 05' 00" E	
Pugu hills		6° 53' 00" S 39° 05' 00" E	152 m
Ruvu South Forest Reserve		6° 56' 44" S 38° 54' 59" E	

Soga		6° 50' 00" S 38° 52' 00" E	151 m
Vikindo [forest], Usaramo		6° 59' 00" S 39° 17' 00" E	120 m
Mafia island		7° 51' 14" S 39° 46' 49" E	
(see also: Chole Shamba, Tschole-Schamba, Tshole-Shamba)			
Kanga Ngome forest	ca.	7° 51' 14" S 39° 46' 49" E	
Kilindoni Forest Strip		7° 53' 21" S 39° 40' 57" E	
Mafia Marine Park		7° 59' 04" S 39° 40' 22" E	
Utende, Mafia Marine Park H.Q.		7° 58' 28" S 39° 43' 56" E	
Mlola Forest (see Mlolo Forest)		7° 51' 14" S 39° 46' 49" E	20 m
Mlolo Forest		7° 53' 00" S 39° 51' 00" E	20 m
(see also: Mlola Forest)			
Ngombeni	ca.	7° 57' 15" S 39° 39' 32" E	50 ft
Ras Kisimani, near	ca.	7° 56' 40" S 39° 35' 26" E	
Matumbi Highlands		8° 20' 00" S 38° 55' 00" E	
(see also: Matumbi-Berge)			
Matumbi-Berge (see Matumbi Highlands)		8° 20' 00" S 38° 55' 00" E	
Minaki, St. Andrews College		6° 54' 01" S 39° 05' 32" E	
(see also: St. Andrews College (Minaki))			
Mohoro		8° 08' 00" S 39° 10' 00" E	19 m
(see also: Mohorro plantation)			
Mohorro plantation (see Mohoro)		8° 08' 00" S 39° 10' 00" E	19 m
Msongozi		7° 04' 00" S 39° 20' 00" E	
Rufiji district		8° 00' 00" S 38° 40' 00" E	
Kiwengoma Forest Reserve		8° 20' 36" S 38° 55' 09" E	
Mchungu Forest Reserve		7° 41' 15" S 39° 16' 15" E	
Namakutwa Forest Reserve		8° 15' 00" S 39° 00' 22" E	
Nyamuhoro valley, Namakutwa forest reserve, Matumbi Hills			
St. Andrews College (Minaki) (see Minaki, St. Andrews College)		6° 54' 01" S 39° 05' 32" E	
Tschole-Schamba (see Mafia island)		7° 51' 14" S 39° 46' 49" E	
Tshole-Shamba (see Mafia island)		7° 51' 14" S 39° 46' 49" E	
Utete		7° 59' 00" S 38° 47' 00" E	31 m
Zinga, Kilwa		6° 31' 00" S 38° 59' 00" E	24 m
Rukwa region			
Bismarckburg (see Kasanga)		8° 28' 00" S 31° 09' 00" E	769 m
Ikau			
Itumba			
Kafukola		8° 05' 00" S 31° 57' 00" E	1126 m
Kalambo Falls		8° 36' 00" S 31° 14' 00" E	
(see also: Kalembo)			
Kalembo (see Kalambo Falls)		8° 35' 00" S 31° 13' 00" E	
Kasanga		8° 28' 00" S 31° 09' 00" E	769 m
(see also: Bismarckburg)			
Kitungulu, southwestern	ca.	8° 29' 00" S 31° 17' 00" E	
Konongo, near Lake Rukwa	ca.	6° 45' 00" S 31° 25' 00" E	
Lake Rukwa (see Rukwa, lake), Konongo		8° 00' 00" S 32° 25' 00" E	
Mbizi Forest Reserve, 0.5 km N, 4 km E Wipanga		7° 52' 00" S 31° 40' 00" E	2200 m
(see also: Wipanga, 0.5 km N, 4 km E)			
Mkangasi	ca.	6° 37' 35" S 30° 18' 32" E	
Mpanda district		6° 30' 00" S 31° 30' 00" E	
Karema		6° 49' 00" S 30° 26' 00" E	785 m
Muanibunge, near Lake Rukw			
Mwazye		8° 27' 00" S 31° 44' 00" E	1883 m
Mwela		7° 46' 00" S 31° 40' 00" E	1031 m
Namanjere (see Namanyere)		7° 31' 00" S 31° 03' 00" E	1587 m
Namanyere		7° 31' 00" S 31° 03' 00" E	1587 m
(see also: Namanjere)			
Rukwa (Game Reserve)		7° 10' 00" S 32° 00' 00" E	
Rukwa See (see Rukwa, lake), Konongo		8° 00' 00" S 32° 25' 00" E	
Rukwa, lake, Konongo		8° 00' 00" S 32° 25' 00" E	
(see also: Lake Rukwa, Rukwa See)			
Rungwa		7° 21' 00" S 31° 40' 00" E	914 m
Sumbawango, 70 km S (see Tatanda)		8° 31' 00" S 31° 30' 00" E	1907 m
Ufira district			
Tatanda, 70 km S Sumbawango		8° 31' 00" S 31° 30' 00" E	1907 m
(see also: Sumbawango, 70 km S)			
Wipanga, 0.5 km N, 4 km E (see Mbizi Forest Reserve)		7° 52' 00" S 31° 40' 00" E	2200 m
Ruvuma region			
Lipumba, Matengo Heights		10° 51' 00" S 35° 02' 00" E	1266 m
Matumbi		9° 29' 00" S 35° 31' 00" E	575 m
Mbarangandu, Liwale		10° 12' 00" S 36° 48' 00" E	753 m
Ruanda farm		10° 33' 00" S 34° 57' 00" E	

Songea		10° 41' 00" S 35° 39' 00" E	1182 m
(see also: Ssongea)			
Songea district		10° 40' 00" S 36° 00' 00" E	
Ugano plantation, SE Mbinga, Mantengo Highlands		11° 06' 00" S 34° 55' 00" E	1560 m
Ssongea (see Songea)		10° 41' 00" S 35° 39' 00" E	1182 m
Ugano		11° 06' 00" S 34° 55' 00" E	
Shinyanga region			
Bulyanhulu		3° 44' 00" S 32° 29' 00" E	
Singida region			
Ikungi, Singida		5° 08' 00" S 34° 46' 00" E	1532 m
Issuna		5° 23' 00" S 34° 46' 00" E	1423 m
(see also: Isuna, Suna)			
Isuna (see Issuna)		5° 23' 00" S 34° 46' 00" E	1423 m
Kilimatinde hospital, near Manyoni		5° 49' 58" S 34° 57' 43" E	
Makullo (see Makulo)		4° 09' 00" S 34° 45' 00" E	1533 m
Makulo		4° 09' 00" S 34° 45' 00" E	1533 m
(see also: Makullo)			
Manjoni (see Manyoni)		5° 45' 00" S 34° 50' 00" E	1276 m
Manyoni		5° 45' 00" S 34° 50' 00" E	1276 m
(see also: Manjoni)			
Mkalama		4° 07' 00" S 34° 38' 00" E	1215 m
Suna (see Issuna)		5° 23' 00" S 34° 46' 00" E	1423 m
Unyaganyi (see Unyang'anyi)		4° 50' 00" S 35° 00' 00" E	1372 m
Unyanganyi (see Unyang'anyi)		4° 50' 00" S 35° 00' 00" E	1372 m
Unyang'anyi		4° 50' 00" S 35° 00' 00" E	1372 m
(see also: Unyaganyi, Unyanganyi)			
Wembere river		4° 10' 00" S 34° 11' 00" E	
SouthPC:LI|)			
Tabora region			
Igalula		5° 38' 00" S 32° 38' 00" E	1113 m
Kawe		4° 18' 00" S 33° 03' 00" E	1189 m
Mawere (district?)			
Mwanasomano's, 35 mi [=56 km] S Tabora	ca.	5° 25' 19" S 32° 42' 42" E	
(see also: Mwansomanos, Tabora, 35 mi [=56 km] S)			
Mwansomanos (see Mwanasomano's), 35 mi [=56 km] S Tabora	ca.	5° 25' 19" S 32° 42' 42" E	
Tabora		5° 01' 00" S 32° 48' 00" E	1212 m
Tabora, 35 mi [=56 km] S (see Mwanasomano's)	ca.	5° 25' 19" S 32° 42' 42" E	
Ugala River		5° 08' 00" S 30° 42' 00" E	
Urambo		5° 04' 00" S 32° 03' 00" E	1108 m
Tanga region			
Amani, 8 km NWN (see Bulwa Tea Estate)		5° 00' 00" S 38° 38' 00" E	1000 m
Amboni		5° 04' 00" S 39° 03' 00" E	
Amboni Cave Forest (see Mkulumuzi River Gorge), 2.5 km W Tanga		5° 04' 00" S 39° 03' 00" E	36 m
Amboni caves, 3 mi N Tanga		5° 04' 00" S 39° 03' 00" E	
(see also: Mkulumuzi caves, Siga caves)			
Ambani caves, 3 mi N Tanga		5° 04' 00" S 39° 03' 00" E	
(see also: Tanga, 3 mi [=4.8 km] N)			
Bulwa Tea Estate, 8 km NWN Amani		5° 00' 00" S 38° 38' 00" E	1000 m
(see also: Amani, 8 km NWN)			
Great Pangani Falls (see Pangani Falls)		5° 21' 00" S 38° 39' 00" E	
Kichanjane (see Kichanjani)		5° 27' 00" S 38° 59' 00" E	0 m
Kichanjani		5° 27' 00" S 38° 59' 00" E	0 m
(see also: Kichanjane)			
Korogwe district		5° 00' 00" S 38° 25' 00" E	
Korogwe, 12.5 km NW	ca.	5° 08' 00" S 38° 30' 00" E	
Lutindi Forest Reserve		4° 52' 00" S 38° 38' 00" E	
Kizara Logging Site	ca.	4° 52' 00" S 38° 38' 00" E	
Kwambumi Forest Reserve, 4.4 km W Mt Mhinduro, 2 km S Kwamtili Estate Offices		4° 56' 30" S 38° 43' 48" E	230 m
(see also: Kwamtili Estate Offices, 2 km S, Mount Mhinduro, 4.4 km W)			
Kwamkoro [Forest Reserve] (see Kwamkoro-Kwamsambia Forest Reserve)		5° 10' 00" S 38° 36' 00" E	590 m
Kwamkoro-Kwamsambia Forest Reserve, Nenguruwe River		5° 10' 00" S 38° 36' 00" E	590 m
(see also: Kwamkoro [Forest Reserve])			
Kwamtili Estate Offices, 2 km S (see Kwambumi Forest Reserve)		4° 56' 30" S 38° 43' 48" E	230 m
Lushoto district		4° 40' 00" S 38° 20' 00" E	
Mazumba Estate		4° 48' 00" S 38° 30' 00" E	1412 m
Magamba		5° 32' 00" S 38° 05' 00" E	1524 m
Magrotto Estate		5° 07' 00" S 38° 45' 00" E	

Magrotto Hill		5° 07' 00" S 38° 45' 00" E	
(see also: Magrotto mountains)			
Magrotto mountains (see Magrotto Hill)	ca.	5° 07' 00" S 38° 45' 00" E	
Malindi		4° 37' 00" S 38° 18' 00" E	1626 m
Maramba district			
Kwamgumi Forest Reserve, East Usambara mountains		4° 56' 00" S 38° 45' 00" E	150 m
(see also: Kwamguni Forest Reserve, Kwamtili Forest Reserve)			
Kwamguni Forest Reserve (see Kwamgumi Forest Reserve)		4° 56' 00" S 38° 45' 00" E	150 m
Kwamtili Forest Reserve (see Kwamgumi Forest Reserve)		4° 56' 00" S 38° 45' 00" E	150 m
Marienhof, Wugiri		5° 06' 00" S 38° 29' 00" E	
Mkomasi (see Mkomazi)		4° 38' 00" S 38° 05' 00" E	485 m
Mkomazi		4° 38' 00" S 38° 05' 00" E	485 m
(see also: Mkomasi)			
Mkomazi Game Reserve		4° 10' 00" S 38° 10' 00" E	
Mkulumuzi caves (see Amboni caves), 3 mi N Tanga		5° 04' 00" S 39° 03' 00" E	
Mkulumuzi River Gorge, 2.5 km W Tanga		5° 04' 00" S 39° 03' 00" E	36 m
(see also: Amboni Cave Forest, Tanga, 2.5 km W)			
Mkwaja Ranch Forests		5° 52' 00" S 38° 47' 00" E	
Mombo		4° 53' 00" S 38° 17' 00" E	513 m
Mount Mhinduro, 4.4 km W (see Kwambumi Forest Reserve)		4° 56' 30" S 38° 43' 48" E	230 m
Mtai Forest Reserve, East Usambara Mountains		4° 58' 00" S 38° 46' 00" E	
Muheza district		5° 00' 00" S 38° 55' 00" E	
Amani		5° 06' 00" S 38° 38' 00" E	
Amani, 4.5 km WNW	ca.	5° 06' 00" S 38° 38' 00" E	
Amani, 8 km NWN	ca.	5° 06' 00" S 38° 38' 00" E	
Bamba Ridge Forest Reserve		4° 57' 00" S 38° 47' 00" E	
(see also: Bamba-Mlungi Forest Reserve)			
Bamba-Mlungi Forest Reserve (see Bamba Ridge Forest Reserve)		4° 57' 00" S 38° 47' 00" E	
East Usambara mountains			
Amani Chemka		5° 06' 00" S 38° 38' 00" E	
Amani Nature Forest Reserve, NW-side		5° 07' 32" S 38° 34' 50" E	945 m
Amani West Forest Reserve		5° 06' 00" S 38° 38' 00" E	3000 ft
Amani, 4.5 km ESE (see Monga Tea Estate)		5° 06' 00" S 38° 36' 00" E	
Amani-Sigi Forest Reserve		5° 07' 00" S 38° 39' 00" E	635 m
Kambai Forest Reserve		4° 59' 00" S 38° 41' 00" E	
Kiserui (see Kizerui)		5° 01' 37" S 38° 32' 46" E	
Kizerui		5° 01' 37" S 38° 32' 46" E	
(see also: Kiserui)			
Longuza North Forest Reserve		5° 04' 00" S 38° 41' 00" E	
Manga Forest Reserve		5° 01' 00" S 38° 46' 00" E	110 m
Matai Forest Reserve		4° 51' 00" S 38° 46' 00" E	250 m
Mgambo Forest Reserve		4° 45' 15" S 38° 48' 10" E	400 m
Monga Tea Estate, 4.5 km ESE Amani		5° 06' 00" S 38° 36' 00" E	
(see also: Amani, 4.5 km ESE)			
Segoma Forest Reserve		4° 58' 00" S 38° 45' 00" E	
Semdoe Forest Reserve, Muheza district		4° 56' 05" S 38° 42' 32" E	
Kilulu Hill, Moa		4° 46' 00" S 39° 08' 00" E	
Mubeza (see Muheza), Usambara Mountains		5° 10' 00" S 38° 47' 00" E	261 m
Muheza, Usambara Mountains		5° 10' 00" S 38° 47' 00" E	261 m
(see also: Mubeza)			
Muheza Forest		5° 18' 20" S 38° 43' 44" E	
(see also: Tongwe Forest Reserve)			
Tongwe Forest Reserve (see Muheza Forest)		5° 18' 20" S 38° 43' 44" E	
Nilo Forest Reserve		4° 54' 16" S 38° 39' 45" E	800 m
Pangani Falls		5° 21' 00" S 38° 39' 00" E	
(see also: Great Pangani Falls)			
Pangani river		5° 26' 00" S 38° 58' 00" E	
Siga caves (see Amboni caves), 3 mi N Tanga		5° 04' 00" S 39° 03' 00" E	
Sigi river		5° 03' 00" S 39° 04' 00" E	
Tanga district			
Longa (see Tanga)		5° 04' 00" S 39° 06' 00" E	0 m
Tanga		5° 04' 00" S 39° 06' 00" E	0 m
(see also: Longa)			
Kulumusi caves (see Kulumuzi caves)		5° 04' 00" S 39° 06' 00" E	
(see also: Kulumuzi caves)			
Kulumuzi caves (see Kulumusi caves)		5° 04' 00" S 39° 06' 00" E	
Kulumuzi caves		5° 04' 00" S 39° 06' 00" E	
(see also: Kulumusi caves, Mkulumsi)			
Mkulumsi (see Kulumuzi caves)		5° 04' 00" S 39° 06' 00" E	

Tanga, 2.5 km W (see Mkulumuzi River Gorge)		5° 04' 00" S 39° 03' 00" E	36 m
Tanga, 3 mi [=4.8 km] N (see Ambani caves)		5° 07' 30" S 38° 37' 30" E	
Tanga, hole/cave near	ca.	5° 04' 00" S 39° 06' 00" E	
Tanga, near	ca.	5° 04' 00" S 39° 06' 00" E	
Usagara		5° 05' 00" S 39° 07' 00" E	0 m
(see also: Ussagara)			
Usambara mountains		4° 45' 00" S 38° 30' 00" E	
Magrotto Plantation		4° 56' 32" S 38° 21' 06" E	
Phillipstrof			
Ussagara (see Usagara)		5° 05' 00" S 39° 07' 00" E	0 m
West Usambara mountains			
Ambangulu Estate		5° 05' 00" S 38° 26' 00" E	
Handeni district		5° 30' 00" S 38° 00' 00" E	
Genda Genda South Forest Reserve, 30 km SW Pangani		5° 34' 00" S 38° 38' 00" E	
(see also: Gendagenda South Forest Reserve, Pangani, 30 km SW)			
Gendagenda South Forest Reserve (see Genda Genda South Forest Reserve), 30 km SW Pangani		5° 34' 00" S 38° 38' 00" E	
Gombero, ca 6 km S, 2.5 km E (see Nguru North Forest Reserve)		5° 28' 45" S 37° 27' 51" E	
Korogwe		5° 09' 00" S 38° 29' 00" E	301 m
(see also: Nkologwe)			
Nguru North Forest Reserve, approx 6 km S, 2.5 km E Gombero		5° 28' 45" S 37° 27' 51" E	
(see also: Gombero, ca 6 km S, 2.5 km E)			
Pangani, 30 km SW (see Genda Genda South Forest Reserve)		5° 34' 00" S 38° 38' 00" E	
Mazumbai Forest Reserve		4° 45' 00" S 38° 15' 00" E	1500 m
Nkologwe (see Korogwe)		5° 09' 00" S 38° 29' 00" E	301 m
Shume, near	ca.	4° 42' 00" S 38° 13' 00" E	
Tanganyika			
Tanganyika, lake, Great Rift Valley			
Ukambesi			
Kotur			
Ukerewe (see Victoria, lake)		1° 00' 00" S 33° 00' 00" E	
Unguja island (see Zanzibar)		6° 10' 00" S 39° 20' 00" E	
Victoria Nyanza (see Victoria, lake)		1° 00' 00" S 33° 00' 00" E	
Victoria, lake		1° 00' 00" S 33° 00' 00" E	
(see also: Lake Victoria, Nam Lolwe, Ukerewe, Victoria Nyanza)			
WestPC:KG|)			
Zanguébar (see Zanzibar)		6° 10' 00" S 39° 20' 00" E	
Zanzibar		6° 10' 00" S 39° 20' 00" E	
(see also: Unguja island, Zanguébar)			
Zanzibar North region			
(see also: Kaskazini-Unguja region |PC:ZN|)			
Bumbwini		5° 58' 00" S 39° 12' 00" E	0 m
Bumbwini		5° 58' 00" S 39° 11' 00" E	
Kiwenga		5° 59' 24" S 39° 22' 35" E	
Kiwenga, near	ca.	5° 59' 24" S 39° 22' 35" E	16 m
Kiwengwa-Pongwe Forest Reserve cave		6° 00' 43" S 39° 22' 03" E	29 m
Kokotoni (see Mkokotoni), Zanzibar		5° 52' 00" S 39° 15' 00" E	0 m
Mangapwani		6° 00' 00" S 39° 11' 00" E	
(see also: Mungopani)			
Marahubi (see Marahubi Mlangoni), Zanzibar		6° 09' 00" S 39° 13' 00" E	20 m
Marahubi Mlangoni, Zanzibar		6° 09' 00" S 39° 13' 00" E	20 m
(see also: Marahubi, Marhubi)			
Marhubi (see Marahubi Mlangoni), Zanzibar		6° 09' 00" S 39° 13' 00" E	20 m
Mbweni, Zanzibar		6° 13' 00" S 39° 12' 00" E	0 m
Mkokotoni, Zanzibar		5° 52' 00" S 39° 15' 00" E	0 m
(see also: Kokotoni)			
Mungopani (see Mangapwani)		6° 00' 00" S 39° 11' 00" E	
Tumbatu Island, Zanzibar		5° 49' 00" S 39° 13' 00" E	
(see also: Tumpatu Island)			
Tumpatu Island (see Tumbatu Island), Zanzibar		5° 49' 00" S 39° 13' 00" E	
Zanzibar South and Central region			
(see also: Kusini-Unguja region |PC:ZS|)			
Bet El Ras, Zanzibar		6° 07' 00" S 39° 13' 00" E	
Bunge (see Bungi), Zanzibar		6° 16' 00" S 39° 20' 00" E	0 m
Bungi, Zanzibar		6° 16' 00" S 39° 20' 00" E	0 m
(see also: Bunge)			
Bungi-Gurunsini		6° 14' 38" S 39° 19' 13" E	5 m
Dayte cave		6° 03' 22" S 39° 22' 16" E	28 m

Kizimkazi, Zanzibar		6° 27' 00" S 39° 28' 00" E	0 m
(see also: Kizimkazi Mkunguni, Mkunguni)			
Kizimkazi Mkunguni (see Kizimkazi), Zanzibar		6° 27' 00" S 39° 28' 00" E	0 m
Kwabaniani caves		6° 09' 37" S 39° 20' 56" E	25 m
Mkunguni (see Kizimkazi), Zanzibar		6° 27' 00" S 39° 28' 00" E	0 m
Mojoni (see Muyuni), Zanzibar		6° 22' 00" S 39° 28' 00" E	0 m
Muyuni, Zanzibar		6° 22' 00" S 39° 28' 00" E	0 m
(see also: Mojoni)			
Nyambiza Village		6° 12' 00" S 39° 20' 00" E	30 m
Pange Juu cave		6° 16' 48" S 39° 27' 05" E	15 m
Peete village (see Pete village)		6° 17' 00" S 39° 25' 00" E	
Pete village		6° 17' 00" S 39° 25' 00" E	
(see also: Peete village)			
Machaga caves		6° 17' 14" S 39° 24' 08" E	21 m
Shakani, Zanzibar		6° 14' 00" S 39° 14' 00" E	7 m
Zanzibar Town, 36 mi [=58 km] S		6° 25' 00" S 39° 30' 00" E	
Zanzibar West region			
(see also: Mjini-Magharibi region |PC:ZW|)			
Masingini Forest Station		6° 07' 00" S 39° 14' 34" E	86 m
Zanzibar Town		6° 09' 57" S 39° 11' 39" E	
Zanzibar, W coase	ca.	6° 09' 57" S 39° 11' 39" E	
Tchad, lac (see Chad, lake)	ca.	13° 20' 00" N 14° 10' 00" E	
Ténéré			
Ternata			
Territoire Français d'Afas et Issas (see Djibouti)			
The Gambia			
(see also: Gambia, The)			
Banjul region			
Banjul		13° 27' 11" N 16° 34' 39" W	0 m
(see also: Bathurst)			
Banjul, 8 mi [=13 km] W	ca.	13° 28' 00" N 16° 39' 00" W	
Bathurst (see Banjul)		13° 27' 11" N 16° 34' 39" W	0 m
Bathurst, 8 mi [=13 km] W	ca.	13° 28' 00" N 16° 39' 00" W	
Basse (see Basse Santa Su)		13° 19' 00" N 14° 13' 00" W	0 m
Basse Santa Su		13° 19' 00" N 14° 13' 00" W	0 m
(see also: Basse)			
Central River region			
(see also: MacCarthy Island region |PC:MC|)			
Brekana (see Brikama Ba)		13° 32' 00" N 14° 56' 00" W	27 m
Brikama (see Brikama Ba)		13° 32' 00" N 14° 56' 00" W	27 m
Brikama Ba		13° 32' 00" N 14° 56' 00" W	27 m
(see also: Brekana, Brikama, Brikama Bar)			
Brikama Bar (see Brikama Ba)		13° 32' 00" N 14° 56' 00" W	27 m
Georgetown (see Janjanbureh), MacCarthy Island		13° 32' 00" N 14° 46' 00" W	4 m
Jangjangbureh (see Janjanbureh), MacCarthy Island		13° 32' 00" N 14° 46' 00" W	4 m
Janjanbureh, MacCarthy Island		13° 32' 00" N 14° 46' 00" W	4 m
(see also: Georgetown, Jangjangbureh, Old Fort George)			
Kontaur (see Kuntaur)		13° 40' 00" N 14° 53' 00" W	0 m
Kudang		13° 40' 00" N 15° 04' 00" W	13 m
Kuntaur		13° 40' 00" N 14° 53' 00" W	0 m
(see also: Kontaur)			
Kuntaur, 10 mi [=16 km] SE		13° 37' 00" N 14° 54' 00" W	
(see also: Kuntaur, 10 mi SE)			
Kuntaur, 10 mi SE (see Kuntaur, 10 mi [=16 km] SE)		13° 37' 00" N 14° 54' 00" W	
Kuntaur, 2 mi [=3.2 km] N (see Makka)		13° 42' 00" N 14° 53' 00" W	11 m
Kuntaur, 5 mi [=8 km] N		13° 37' 00" N 14° 54' 00" W	
Maka (see Makka)		13° 42' 00" N 14° 53' 00" W	11 m
Makka, 2 mi N Kuntaur		13° 42' 00" N 14° 53' 00" W	11 m
(see also: Kuntaur, 2 mi [=3.2 km] N, Maka)			
Old Fort George (see Janjanbureh), MacCarthy Island		13° 32' 00" N 14° 46' 00" W	4 m
Walikunda (see Walli Kunda)		13° 34' 00" N 14° 55' 00" W	8 m
Walli Kunda		13° 34' 00" N 14° 55' 00" W	8 m
(see also: Walikunda)			
Walli Kunda, near		13° 34' 00" N 14° 55' 00" W	
Lower River region			
Jafini, near (see Jappeni, near)	ca.	13° 25' 00" N 15° 25' 00" W	
Jappeni, near	ca.	13° 25' 00" N 15° 25' 00" W	
(see also: Jafini, near)			
Jiroff, near	ca.	13° 25' 00" N 15° 42' 00" W	
Keneba		13° 19' 44" N 16° 00' 54" W	32 m
(see also: Kenniba)			
Kenniba (see Keneba)		13° 19' 44" N 16° 00' 54" W	32 m
MacCaPC:MC|)			
North Bank region			
Madiyana Camp, Niumi National Park		13° 33' 57" N 16° 31' 54" W	

Toniataba		13° 26' 00" N 15° 35' 00" W	21 m
(see also: Tonitaba)			
Tonitaba (see Toniataba)		13° 26' 00" N 15° 35' 00" W	21 m
Upper River region			
West Coast region			
(see also: Western region |PC:WE|)			
Lamin		13° 23' 13" N 16° 38' 41" W	36 m
Lamin Bridge		13° 23' 35" N 16° 37' 30" W	
WestePC:WE|)			
Abuko Nature Reserve		13° 23' 29" N 16° 39' 09" W	
Gambia river, lower		13° 28' 00" N 16° 34' 00" W	
Jambour (see Jambur)		13° 18' 56" N 16° 42' 06" W	
Jambur		13° 18' 56" N 16° 42' 06" W	
(see also: Jambour, Yambur)			
Jambur, near	ca.	13° 18' 56" N 16° 42' 07" W	
Jiboroh (see Jiboroh Kuta)		13° 11' 18" N 16° 34' 25" W	38 m
Jiboroh Kuta		13° 11' 18" N 16° 34' 25" W	38 m
(see also: Jiboroh)			
Madianna, Brufut, near		13° 21' 12" N 16° 45' 47" W	6 m
(see also: Madianna)			
Madianna (see Madianna), Brufut, near		13° 21' 12" N 16° 45' 47" W	6 m
Solifor Point, 500 m S	ca.	13° 20' 30" N 16° 48' 59" W	
Tanji and Brufut, between	ca.	13° 22' 00" N 16° 47' 00" W	
Tanji River Bird Reserve, Bald Cape, near		13° 22' 20" N 16° 47' 07" W	
Yambur (see Jambur)		13° 18' 56" N 16° 42' 06" W	
Togo			
Centrale region			
Adéle		8° 11' 00" N 0° 41' 00" E	
(see also: Bismarckbourg, Bismarckburg, Station Bismarckburg)			
Aledjo (see Alédjo Kadara)		9° 15' 00" N 1° 12' 00" E	612 m
Alédjo Kadara		9° 15' 00" N 1° 12' 00" E	612 m
(see also: Aledjo)			
Bismarckbourg (see Adéle)		8° 11' 00" N 0° 41' 00" E	
Bismarckburg (see Adéle)		8° 11' 00" N 0° 41' 00" E	
Fasao (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Fasaou (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Fasau (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Fasuu (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Fazao		8° 42' 00" N 0° 47' 00" E	593 m
(see also: Fasao, Fasaou, Fasau, Fasuu, Fazaou, Fisao)			
Fazaou (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Fisao (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Malfacassa (see Malfakassa)		9° 10' 00" N 0° 58' 00" E	
Malfakassa		9° 10' 00" N 0° 58' 00" E	
(see also: Malfacassa)			
Pagala		8° 13' 00" N 0° 53' 00" E	368 m
(see also: Urenji)			
Station Bismarckburg (see Adéle)		8° 11' 00" N 0° 41' 00" E	
Urenji (see Pagala)		8° 13' 00" N 0° 53' 00" E	368 m
Haubinda			
Kara region			
Bassar prefecture (see Préfecture de Bassar)		9° 15' 00" N 0° 45' 00" E	
Bassar, circonscription de (see Préfecture de Bassar)		9° 15' 00" N 0° 45' 00" E	
Bassari, cercle de (see Préfecture de Bassar)		9° 15' 00" N 0° 45' 00" E	
Bassari, circonscription de (see Préfecture de Bassar)		9° 15' 00" N 0° 45' 00" E	
Binaparba		9° 14' 00" N 0° 46' 00" E	456 m
Cercle de Bassari (see Préfecture de Bassar)		9° 15' 00" N 0° 45' 00" E	
Circonscription de Bassar (see Préfecture de Bassar)		9° 15' 00" N 0° 45' 00" E	
Kadjamba (see Katchamba)		9° 53' 15" N 0° 31' 33" E	151 m
Kadjambe (see Katchamba)		9° 53' 15" N 0° 31' 33" E	151 m
Kadyamba (see Katchamba)		9° 53' 15" N 0° 31' 33" E	151 m
Kajamba (see Katchamba)		9° 53' 15" N 0° 31' 33" E	151 m
Katchamba		9° 53' 15" N 0° 31' 33" E	151 m
(see also: Kadjamba, Kadjambe, Kadyamba, Kajamba, Katchammba)			
Katchammba (see Katchamba)		9° 53' 15" N 0° 31' 33" E	151 m
Circonscription de Bassari (see Préfecture de Bassar)		9° 15' 00" N 0° 45' 00" E	
Circonscription de Katcha (see Préfecture de Bassar)		9° 15' 00" N 0° 45' 00" E	
Circonscription de Niamtougou (see Préfecture de Doufelgou)		9° 50' 00" N 1° 05' 00" E	
Niamtougou		9° 46' 06" N 1° 06' 19" E	378 m
(see also: Niamtuu, Njamtuu, Nyamtouhou)			
Niamtuu (see Niamtougou)		9° 46' 06" N 1° 06' 19" E	378 m
Njamtuu (see Niamtougou)		9° 46' 06" N 1° 06' 19" E	378 m

Nyamtouhou (see Niamtougou)	9° 46' 06" N 1° 06' 19" E	378 m
Doufelgou prefecture (see Préfecture de Doufelgou)	9° 50' 00" N 1° 05' 00" E	
Katcha, circonscription de (see Préfecture de Bassar)	9° 15' 00" N 0° 45' 00" E	
Niamtougou, circonscription de (see Préfecture de Doufelgou)	9° 50' 00" N 1° 05' 00" E	
Péwa	9° 17' 00" N 1° 14' 00" E	618 m
Préfecture de Bassar (see also: Bassar prefecture, Bassar, circonscription de , Bassari, cercle de , Bassari, circonscription de , Cercle de Bassari, Circonscription de Bassar, Circonscription de Bassari, Circonscription de Katcha, Katcha, circonscription de)	9° 15' 00" N 0° 45' 00" E	
Préfecture de Doufelgou (see also: Circonscription de Niamtougou, Doufelgou prefecture, Niamtougou, circonscription de)	9° 50' 00" N 1° 05' 00" E	
Maritime region		
Amousso Kopé (see Amoussokopé)	6° 40' 00" N 0° 51' 00" E	
Amoussokopé (see also: Amousso Kopé, Amouzoukopé)	6° 40' 00" N 0° 51' 00" E	
Amouzoukopé (see Amoussokopé)	6° 40' 00" N 0° 51' 00" E	
Anécho, cercle de (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Anécho, prefecture (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Aného prefecture (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Aného, circonscription de (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Cercle d'Anécho (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Circonscription d'Aného (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Gbatope	6° 26' 00" N 1° 17' 00" E	
Kpogan (see also: Pogan)	6° 10' 22" N 1° 22' 57" E	66 m
Lacs prefecture (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Lome (see Lomé)	6° 07' 55" N 1° 13' 22" E	63 m
Lomé (see also: Lome)	6° 07' 55" N 1° 13' 22" E	63 m
Pogan (see Kpogan)	6° 10' 22" N 1° 22' 57" E	66 m
Préfecture d'Anécho (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Préfecture d'Aného (see also: Anécho, cercle de, Anécho, prefecture, Aného prefecture, Aného, circonscription de, Cercle d'Anécho, Circonscription d'Aného, Lacs prefecture, Préfecture d'Anécho, Préfecture des Lacs)	6° 22' 00" N 1° 40' 00" E	
Agbedrafo	6° 12' 05" N 1° 28' 44" E	65 m
Agbodrafo	6° 12' 05" N 1° 28' 44" E	65 m
Agbodrafo Porto-Séguro	6° 12' 05" N 1° 28' 44" E	65 m
Anécho (see Aného)	6° 14' 00" N 1° 36' 00" E	63 m
Aného (see also: Anécho, Anekho, Anerho, Klein-Popo, Little Popo, Petit Popo)	6° 14' 00" N 1° 36' 00" E	63 m
Anekho (see Aného)	6° 14' 00" N 1° 36' 00" E	63 m
Anerho (see Aného)	6° 14' 00" N 1° 36' 00" E	63 m
Klein-Popo (see Aného)	6° 14' 00" N 1° 36' 00" E	63 m
Little Popo (see Aného)	6° 14' 00" N 1° 36' 00" E	63 m
Petit Popo (see Aného)	6° 14' 00" N 1° 36' 00" E	63 m
Porto-Segouro	6° 12' 05" N 1° 28' 44" E	65 m
Porto-Séguro	6° 12' 05" N 1° 28' 44" E	65 m
Togo (see Togoville)	6° 13' 41" N 1° 28' 41" E	63 m
Togoville (see also: Togo)	6° 13' 41" N 1° 28' 41" E	63 m
Préfecture des Lacs (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Papase		
Plateaux region		
Adina (see Adiva), 15 km W Atakpamé	7° 31' 00" N 1° 01' 00" E	252 m
Adiva, 15 km W of Atakpamé (see also: Adina, Atakpamé, 15 km W)	7° 31' 00" N 1° 01' 00" E	252 m
Adjido	7° 30' 00" N 1° 11' 00" E	186 m
Agadji	7° 27' 00" N 0° 54' 00" E	348 m
Agame-Koutoukapa (see Agomé Koutoukpa)	7° 31' 00" N 0° 59' 00" E	458 m
Agomé Koutoukpa (see also: Agame-Koutoukapa, Agomé-Kotukpa, Koutoukpa)	7° 31' 00" N 0° 59' 00" E	458 m
Agomé-Kotukpa (see Agomé Koutoukpa)	7° 31' 00" N 0° 59' 00" E	458 m
Ahoué-houé (see Badou - Anonoe)	7° 35' 00" N 0° 36' 00" E	
Akposso	7° 34' 00" N 0° 59' 00" E	
Atakpamé	7° 32' 00" N 1° 08' 00" E	376 m

Atakpamé, 15 km W (see Adiva)		7° 31' 00" N 1° 01' 00" E	252 m
Azafi		7° 34' 00" N 1° 02' 00" E	253 m
Badou - Anonoe		7° 35' 00" N 0° 36' 00" E	
(see also: Ahoué-houé)			
Banjeri (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Circonscription de Klouto (see Préfecture de Kloto)		7° 05' 00" N 0° 45' 00" E	
Agou (see Agou Gadzépé)		6° 53' 00" N 0° 44' 00" E	488 m
Agou Gadzépé		6° 53' 00" N 0° 44' 00" E	488 m
(see also: Agou, Agou-Nyongbo)			
Agou-Nyongbo (see Agou Gadzépé)		6° 53' 00" N 0° 44' 00" E	488 m
Apéyémé		7° 12' 00" N 0° 42' 00" E	768 m
Circonscription de Notsé (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Notsé		6° 57' 00" N 1° 10' 00" E	146 m
(see also: Nouatja, Nuatia, Nuatja, Nuatya)			
Nouatja (see Notsé)		6° 57' 00" N 1° 10' 00" E	146 m
Nuatia (see Notsé)		6° 57' 00" N 1° 10' 00" E	146 m
Nuatja (see Notsé)		6° 57' 00" N 1° 10' 00" E	146 m
Nuatya (see Notsé)		6° 57' 00" N 1° 10' 00" E	146 m
Circonscription de Nuatja (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Dadome (see Dédomé)		7° 30' 00" N 0° 59' 00" E	265 m
Dédomé		7° 30' 00" N 0° 59' 00" E	265 m
(see also: Dadome)			
Dzogbégan		7° 14' 00" N 0° 41' 00" E	698 m
Ebéva		7° 31' 00" N 1° 05' 00" E	212 m
(see also: Ebewa)			
Ebewa (see Ebéva)		7° 31' 00" N 1° 05' 00" E	212 m
Edifou		7° 29' 00" N 0° 58' 00" E	231 m
Esimé (see Ezimé)		7° 29' 00" N 0° 56' 00" E	344 m
Evou (see Vou)		7° 32' 00" N 1° 02' 00" E	224 m
Evou - Akodegbe		7° 33' 00" N 1° 02' 00" E	
Evou or Atakpamé	ca.	7° 18' 00" N 1° 00' 00" E	
Ewou (see Vou)		7° 32' 00" N 1° 02' 00" E	224 m
Ezimé		7° 29' 00" N 0° 56' 00" E	344 m
(see also: Esimé, Isídje)			
Haho prefecture (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Hausberg (see Kloto)		6° 57' 00" N 0° 34' 00" E	603 m
Ihounabe		7° 21' 00" N 0° 55' 00" E	
Ilé (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Isídje (see Ezimé)		7° 29' 00" N 0° 56' 00" E	344 m
Kamina		7° 31' 00" N 1° 10' 00" E	206 m
Kloto		6° 57' 00" N 0° 34' 00" E	603 m
(see also: Hausberg, Klouto, Kluto)			
Kloto prefecture (see Préfecture de Kloto)		7° 05' 00" N 0° 45' 00" E	
Klouto (see Kloto)		6° 57' 00" N 0° 34' 00" E	603 m
Klouto, circonscription de (see Préfecture de Kloto)		7° 05' 00" N 0° 45' 00" E	
Kluto (see Kloto)		6° 57' 00" N 0° 34' 00" E	603 m
Kodegbe		7° 31' 00" N 1° 03' 00" E	
Kolokopé		7° 48' 00" N 1° 18' 00" E	147 m
(see also: Korrekope)			
Korrekope (see Kolokopé)		7° 48' 00" N 1° 18' 00" E	147 m
Kouda Topki		6° 37' 48" N 0° 51' 36" E	
Koutoukpa (see Agomé Koutoukpa)		7° 31' 00" N 0° 59' 00" E	458 m
Le Oti (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Lemuale (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Lomnava		7° 31' 00" N 1° 08' 00" E	379 m
L'Oti (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Maol (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Maole (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Misahoehe (see Missahohé)		6° 57' 00" N 0° 35' 00" E	473 m
Misahohe (see Missahohé)		6° 57' 00" N 0° 35' 00" E	473 m
Misahöhé (see Missahohé)		6° 57' 00" N 0° 35' 00" E	473 m
Missahohé		6° 57' 00" N 0° 35' 00" E	473 m
(see also: Misahoehe, Misahohe, Misahöhé)			
Moal (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Moale (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Mono-Atchinedji		7° 34' 00" N 1° 21' 00" E	
Morle (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Ruhiza		1° 02' 42" S 29° 46' 57" E	8000 ft
(see also: Ruhizha)			
Ruhizha (see Ruhiza)		1° 02' 42" S 29° 46' 57" E	8000 ft
Ruhizha area	ca.	1° 02' 42" S 29° 46' 57" E	
Notsé, circonscription de (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Nouatja (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Nuatja subdivision (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Nuatja, circonscription de (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Nuatjo (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	

Odjolo		7° 32' 00" N 1° 02' 00" E	
Oti (River)		7° 48' 00" N 0° 08' 00" E	
(see also: Banjeri, Ilé, Le Oti, Lemuale, L'Oti, Maol, Maole, Moal, Moale, Morle)			
Préfécture de Haho		7° 05' 00" N 1° 15' 00" E	
(see also: Circonscription de Notsé, Circonscription de Nuatja, Haho prefecture, Notsé, circonscription de, Nouatja, Nuatja subdivision, Nuatja, circonscription de, Nuatjo, Subdivision de Nuatja)			
Préfecture de Kloto		7° 05' 00" N 0° 45' 00" E	
(see also: Circonscription de Klouto, Kloto prefecture, Klouto, circonscription de)			
Agomé-Palimé (see Kpalimé)		7° 05' 00" N 0° 45' 00" E	
Kpalimé		7° 05' 00" N 0° 45' 00" E	
(see also: Agomé-Palimé, Palimé)			
Palimé (see Kpalimé)		7° 05' 00" N 0° 45' 00" E	
Subdivision de Nuatja (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Tchonou		7° 30' 00" N 1° 15' 00" E	152 m
Témédja		7° 31' 00" N 1° 03' 00" E	226 m
Tetetou (see Tététou)		7° 01' 00" N 1° 30' 00" E	105 m
Tététou		7° 01' 00" N 1° 30' 00" E	105 m
(see also: Tetetou)			
Tomegbé		7° 31' 00" N 0° 36' 00" E	319 m
Vou		7° 32' 00" N 1° 02' 00" E	224 m
(see also: Evou, Ewou)			
Savanes region			
Akenim		10° 25' 00" N 0° 15' 00" E	
Baoulé		10° 16' 00" N 0° 35' 00" E	149 m
Bergou (see Borgou)		10° 45' 49" N 0° 34' 37" E	147 m
Borgou		10° 45' 49" N 0° 34' 37" E	147 m
(see also: Bergou, Borgu)			
Borgu (see Borgou)		10° 45' 49" N 0° 34' 37" E	147 m
Cercle de Dapango (see Préfecture de Tone)		10° 55' 00" N 0° 10' 00" E	
Circonscription de Dapango (see Préfecture de Tone)		10° 55' 00" N 0° 10' 00" E	
(see also: Tone prefecture)			
Circonscription de Dapaong (see Préfecture de Tone)		10° 55' 00" N 0° 10' 00" E	
Dapango (see Dapaong)		10° 51' 50" N 0° 12' 18" E	306 m
Dapaong		10° 51' 50" N 0° 12' 18" E	306 m
(see also: Dapango, Dapong)			
Dapong (see Dapaong)		10° 51' 50" N 0° 12' 18" E	306 m
Nammjoni (see Namoundjoga)		10° 53' 26" N 0° 23' 59" E	280 m
Namoudjogo (see Namoundjoga)		10° 53' 26" N 0° 23' 59" E	280 m
Namoundjoga		10° 53' 26" N 0° 23' 59" E	280 m
(see also: Nammjoni, Namoudjogo, Namouyogo, Namunjogo)			
Namouyogo (see Namoundjoga)		10° 53' 26" N 0° 23' 59" E	280 m
Namunjogo (see Namoundjoga)		10° 53' 26" N 0° 23' 59" E	280 m
Dapango, cercle de (see Préfecture de Tone)		10° 55' 00" N 0° 10' 00" E	
Dapango, circonscription de (see Préfecture de Tone)		10° 55' 00" N 0° 10' 00" E	
Dapaong, circonscription de (see Préfecture de Tone)		10° 55' 00" N 0° 10' 00" E	
Mango (see Sansanné-Mango)		10° 21' 33" N 0° 28' 15" E	134 m
Nanergou		10° 55' 00" N 0° 09' 00" E	303 m
Nsara (see Sansanné-Mango)		10° 21' 33" N 0° 28' 15" E	134 m
N'Zara (see Sansanné-Mango)		10° 21' 33" N 0° 28' 15" E	134 m
Padori		10° 14' 00" N 0° 26' 00" E	126 m
Paio (see Payo)		10° 14' 00" N 0° 43' 00" E	146 m
Payo		10° 14' 00" N 0° 43' 00" E	146 m
(see also: Paio, Péio)			
Péio (see Payo)		10° 14' 00" N 0° 43' 00" E	146 m
Préfecture de Tone		10° 55' 00" N 0° 10' 00" E	
(see also: Cercle de Dapango, Circonscription de Dapango, Circonscription de Dapaong, Dapango, cercle de, Dapango, circonscription de, Dapaong, circonscription de)			
Sansane-Mangu (see Sansanné-Mango)		10° 21' 33" N 0° 28' 15" E	134 m
Sansanné-Mango		10° 21' 33" N 0° 28' 15" E	134 m
(see also: Mango, Nsara, N'Zara, Sansane-Mangu)			
Tone prefecture (see Circonscription de Dapango)		10° 55' 00" N 0° 10' 00" E	
Tropical Africa			
Tsad (see Chad, lake)	ca.	13° 20' 00" N 14° 10' 00" E	
Tschad (see Chad, lake)	ca.	13° 20' 00" N 14° 10' 00" E	
Tschaka			
Tunisia			
Djebel Glong (see Glong, Jebel)			

Ghar Tabouda		
Glong, Jebel		
(see also: Djebel Glong)		
Region 1		
Ariana governorate		
Ruines d'Utique (see Utica ruins)	37° 03' 26" N 10° 03' 46" E	
Utica ruins	37° 03' 26" N 10° 03' 46" E	
(see also: Ruines d'Utique, Utique ruins, Zehana)		
Utique ruins (see Utica ruins)	37° 03' 26" N 10° 03' 46" E	
Zehana (see Utica ruins)	37° 03' 26" N 10° 03' 46" E	
Ben Arous governorate		
Oudna (see Oudna Station)	36° 37' 34" N 10° 09' 07" E	
Oudna Station	36° 37' 34" N 10° 09' 07" E	
(see also: Oudna, Station d'Oudna, Udhnah)		
Oudna Station, 1 km SE	36° 37' 11" N 10° 09' 35" E	
Station d'Oudna (see Oudna Station)	36° 37' 34" N 10° 09' 07" E	
Udhnah (see Oudna Station)	36° 37' 34" N 10° 09' 07" E	
Manouba governorate		
(see also: Manubah governorate |PC:MN|)		
ManubPC:MN|)		
Tunis governorate		
Cartago (see Carthage)	36° 51' 15" N 10° 19' 49" E	0 m
Carthage	36° 51' 15" N 10° 19' 49" E	0 m
(see also: Cartago, Qartajannah)		
Qartajannah (see Carthage)	36° 51' 15" N 10° 19' 49" E	0 m
Tunes (see Tunis), Tunis wa al Ahwaz	36° 48' 10" N 10° 10' 47" E	0 m
Tunez (see Tunis), Tunis wa al Ahwaz	36° 48' 10" N 10° 10' 47" E	0 m
Tunis, Tunis wa al Ahwaz	36° 48' 10" N 10° 10' 47" E	0 m
(see also: Tunes, Tunez, Tunisi, Tunis-Ville)		
Sidi Mansour area	36° 48' 10" N 10° 10' 47" E	
Tunisi (see Tunis), Tunis wa al Ahwaz	36° 48' 10" N 10° 10' 47" E	0 m
Tunis-Ville (see Tunis), Tunis wa al Ahwaz	36° 48' 10" N 10° 10' 47" E	0 m
Region 2		
Bizerte governorate		
Délégation de Teboursouk (see Taburbah, Mu'tamadiyat)	36° 55' 00" N 9° 45' 00" E	
Djebel Achkel (see Jebel Ichkeul)	37° 07' 24" N 9° 39' 17" E	
Djebel Achkeul (see Jebel Ichkeul)	37° 07' 24" N 9° 39' 17" E	
Djebel Ichkeul (see Jebel Ichkeul)	37° 07' 24" N 9° 39' 17" E	
Djebel Ichkeul, 25 km SW (see Sidi Messaoud, mine tunnel near)	36° 57' 58" N 9° 27' 23" E	
Djebel Ischkeul (see Jebel Ichkeul)	37° 07' 24" N 9° 39' 17" E	
Djebel Ishkoel (see Jebel Ichkeul)	37° 07' 24" N 9° 39' 17" E	
Galita Island (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Île de La Galite (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Île Galite (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Isola Galite (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Jabal al Ashkal (see Jebel Ichkeul)	37° 07' 24" N 9° 39' 17" E	
Jalta Island (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Jazirat Jalitah (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Jebel Ichkeul	37° 07' 24" N 9° 39' 17" E	
(see also: Djebel Achkel, Djebel Achkeul, Djebel Ichkeul, Djebel Ischkeul, Djebel Ishkoel, Jabal al Ashkal)		
Jebel Ichkeul, 25 km SW (see Sidi Messaoud, mine tunnel near)	36° 57' 58" N 9° 27' 23" E	
La Galite, island, Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
(see also: Galita Island, Île de La Galite, Île Galite, Isola Galite, Jalta Island, Jazirat Jalitah, Zalite)		
Mu'tamadiyat Taburbah (see Taburbah, Mu'tamadiyat)	36° 55' 00" N 9° 45' 00" E	
Sidi Messaoud, mine tunnel near, 25 km SW Djebel Ichkeul	36° 57' 58" N 9° 27' 23" E	
(see also: Djebel Ichkeul, 25 km SW, Jebel Ichkeul, 25 km SW)		
Taburbah (see Tebourba), near Tunis	36° 50' 23" N 9° 50' 00" E	18 m
Taburbah, cave near (see Tebourba, cave near), near Tunis	36° 50' 00" N 9° 50' 00" E	
Taburbah, Mu'tamadiyat	36° 55' 00" N 9° 45' 00" E	
(see also: Délégation de Teboursouk, Mu'tamadiyat Taburbah, Teboursouk, délégation de)		

Tebourba, near Tunis (see also: Taburbah)		36° 50' 23" N 9° 50' 00" E	18 m
Tebourba, cave near, near Tunis (see also: Taburbah, cave near)		36° 50' 00" N 9° 50' 00" E	
Teboursouk, délégation de (see Taburbah, Mu'tamadiyat)		36° 55' 00" N 9° 45' 00" E	
Zalite (see La Galite, island), Galita Archipelago		37° 31' 34" N 8° 55' 44" E	
Nabeul governorate			
Al Huwariyah (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
Al Huwwariyah (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
Al Huwwariyah cave (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
Al-Dakha (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Aquilaria (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
Bat cave, 4 km NE El Haouaria (see also: El Haouaria, 4 km NE, El Huaria cave, Grotte aux chauves-souris)		37° 05' 00" N 11° 03' 00" E	
Cap Bon (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Cap Hermes des Grecs (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Cap Mercure des Latins (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Cape Bon (see also: Al-Dakha, Cap Bon, Cap Hermes des Grecs, Cap Mercure des Latins, El Haouaria, 4 km NE, Ra's at Tib, Ra's Maddar , Ras Addar, Rass Adder)		37° 05' 00" N 11° 02' 20" E	
Djebel Besass, 28 km SE Tunis (see also: Djebel Rassas, mine, Tunis, 28 km SE)		36° 37' 28" N 10° 24' 06" E	
Djebel Rassas, mine (see Djebel Besass)		36° 37' 28" N 10° 24' 06" E	
El Aouaria (see El Aouaria) (see also: Al Huwariyah, Al Huwwariyah, Al Huwwariyah cave, Aquilaria, El Aouaria, El Awaria, El Haouaria, El Haouaria cave, El Houaria)		37° 03' 00" N 11° 01' 00" E	
El Awaria (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
El Haouaria (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
Hoble		37° 03' 00" N 11° 01' 00" E	
El Haouaria cave (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
El Haouaria, 1.5 km NE	ca.	37° 03' 37" N 11° 01' 22" E	
El Haouaria, 2 km N		37° 04' 08" N 11° 00' 39" E	
El Haouaria, 2 km NE		37° 03' 49" N 11° 01' 36" E	
El Haouaria, 4 km NE (see Bat cave)		37° 05' 00" N 11° 03' 00" E	
El Houaria (see El Aouaria), Cap Bon		37° 03' 00" N 11° 01' 00" E	
El Huaria cave (see Bat cave), 4 km NE El Haouaria		37° 05' 00" N 11° 03' 00" E	
El Ouidiane abandoned coal mine, ca 60 km E Tunis (see also: Tunis, ca 60 km E)		36° 48' 10" N 10° 51' 07" E	
Entouna mine, 23.5 km SE Tunis, on GP1, 2 km W of highway (see also: Tunis, 23.5 km SE)		36° 39' 11" N 10° 21' 57" E	
Grombalia (see also: Grombalic, Quaranbaliyah, Quranbaliyah, Qurunbaliyah)		36° 35' 59" N 10° 29' 59" E	57 m
Grombalia, 10 km W (see also: Hadjeb el Aïoun pool, near, Hadjeb el Aïoune pool, near)		36° 35' 59" N 10° 23' 17" E	
Grombalic (see Grombalia)		36° 35' 59" N 10° 29' 59" E	57 m
Grotte aux chauves-souris (see Bat cave)		37° 05' 00" N 11° 03' 00" E	
Grottes de Tabouda (see Tabouda caves)		37° 03' 57" N 11° 01' 53" E	
Hammam Djedidi (see Hammam Jedidi)		36° 23' 42" N 10° 23' 07" E	96 m
Hammam Djedidi, mine tunnel		36° 24' 00" N 10° 22' 23" E	
?ammam Jadidi (see Hammam Jedidi)		36° 23' 42" N 10° 23' 07" E	96 m
Hammam Jedidi (see also: Hammam Djedidi, ?ammam Jadidi)		36° 23' 42" N 10° 23' 07" E	96 m
Manzil Tamim (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Manzil Tamim (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Mennzel Temine (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Menzel Jemime (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Menzel Temime (see also: Manzil Tamim, Manzil Tamim, Mennzel Temine, Menzel Jemime, Menzel Temine, Menzel Termine, Menzel-Temimi, Mezel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Menzel Temime, 3 km SE (see also: Mezel Temime, 3 km SE)		36° 45' 58" N 11° 00' 10" E	
Menzel Temine (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Menzel Termine (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Menzel-Temimi (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m

Mezel Temime (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Mezel Temime, 3 km SE (see Menzel Temime, 3 km SE)		36° 45' 58" N 11° 00' 10" E	
Nabeul (see also: Naboel, Nabul)		36° 27' 00" N 10° 44' 00" E	1 m
Naboel (see Nabeul)		36° 27' 00" N 10° 44' 00" E	1 m
Nabul (see Nabeul)		36° 27' 00" N 10° 44' 00" E	1 m
Quaranbaliyah (see Grombalia)		36° 35' 59" N 10° 29' 59" E	57 m
Quranbaliyah (see Grombalia)		36° 35' 59" N 10° 29' 59" E	57 m
Qurunbaliyah (see Grombalia)		36° 35' 59" N 10° 29' 59" E	57 m
Ra's at Tib (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Ra's Maddar (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Ras Addar (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Rass Adder (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Tabouda caves (see also: Grottes de Tabouda)		37° 03' 57" N 11° 01' 53" E	
Tunis, 23.5 km SE (see Entouna mine)		36° 39' 11" N 10° 21' 57" E	
Tunis, 28 km SE (see Djebel Besass)		36° 37' 28" N 10° 24' 06" E	
Tunis, ca 60 km E (see El Ouidiane abandoned coal mine)		36° 48' 10" N 10° 51' 07" E	
Zaghouan governorate			
Djebel Zaghouan (see Jabal Zaghwan)		36° 21' 02" N 10° 06' 42" E	
Djebel Zaghouan (4 km W Poste Optique)		36° 21' 00" N 10° 04' 20" E	
Djebel Zaghouan (cave at Poste Optique)		36° 21' 00" N 10° 07' 00" E	
Djebel Zaghouane (see Jabal Zaghwan)		36° 21' 02" N 10° 06' 42" E	
Djebel Zarhouan (see Jabal Zaghwan)		36° 21' 02" N 10° 06' 42" E	
Jabal Zaghwan (see also: Djebel Zaghouan, Djebel Zaghouane, Djebel Zarhouan)		36° 21' 02" N 10° 06' 42" E	
Sidi Tayeaa, mine, 1 km E Zaghouan on MC 133, 1 km S of highway (see also: Zaghouan, 1 km E on MC 133, 1 km S of highway)		36° 22' 30" N 10° 10' 10" E	
Wadi Zriba, near Zaghouan (see also: Zaribah , Zriba-Village)		36° 20' 22" N 10° 15' 08" E	
Zaghouan, 1 km E on MC 133, 1 km S of highway (see Sidi Tayeaa, mine)		36° 22' 30" N 10° 10' 10" E	
Zaghouan, 3 km S, mine, on road from Ain Ayed		36° 19' 51" N 10° 08' 25" E	
Zaribah (see Wadi Zriba), near Zaghouan		36° 20' 22" N 10° 15' 08" E	
Zriba-Village (see Wadi Zriba), near Zaghouan		36° 20' 22" N 10° 15' 08" E	
Region 3			
Béja governorate			
Ain Jammalah Pepinier Forestière		36° 30' 03" N 9° 18' 42" E	
Nefza, 6 km W, 25 km E Tabarza, on GP 7 (see also: Tabarza, 25 km E)		36° 57' 16" N 9° 02' 20" E	
Tabarza, 25 km E (see Nefza, 6 km W)		36° 57' 16" N 9° 02' 20" E	
Jendouba governorate			
Aïn Draham (see Ayn ad Darahim)		36° 46' 38" N 8° 41' 33" E	982 m
Aïn Draham, 5 km NE (see Ayn ad Darahim, 5 km NE)		36° 48' 33" N 8° 43' 56" E	
Aïne Draham (see Ayn ad Darahim)		36° 46' 38" N 8° 41' 33" E	982 m
Aïne Draham, 5 km NE (see Ayn ad Darahim, 5 km NE)		36° 48' 33" N 8° 43' 56" E	
Ayn ad Darahim (see also: Aïn Draham, Aïne Draham)		36° 46' 38" N 8° 41' 33" E	982 m
Ayn ad Darahim, 5 km NE (see also: Aïn Draham, 5 km NE, Aïne Draham, 5 km NE)		36° 48' 33" N 8° 43' 56" E	
Bulla Reggia (see Bulla Regia), 7 km NNW Jendouba		36° 33' 30" N 8° 44' 48" E	
Bulla Regia, 7 km NNW Jendouba (see also: Bulla Reggia, El Hammam , Hammam Derradji, Jendouba, 7 km NNW, Ruines de Bulla Régia, Souk el Arba, 7 km NNW)		36° 33' 30" N 8° 44' 48" E	
Chemtou (see Shimtu), 17 km W Jendouba		36° 29' 00" N 8° 35' 00" E	158 m
Chemtou Ance (see Shimtu), 17 km W Jendouba		36° 29' 00" N 8° 35' 00" E	158 m
El Feyja National Park Headquarters (see also: Feija National Park Headquarters)		36° 30' 02" N 8° 18' 41" E	
El Hammam (see Bulla Regia), 7 km NNW Jendouba		36° 33' 30" N 8° 44' 48" E	
Feija National Park Headquarters (see El Feyja National Park Headquarters)		36° 30' 02" N 8° 18' 41" E	
Hammam Derradji (see Bulla Regia), 7 km NNW Jendouba		36° 33' 30" N 8° 44' 48" E	
Jendouba, 17 km W (see Shimtu)		36° 29' 00" N 8° 35' 00" E	158 m
Jendouba, 7 km NNW (see Bulla Regia)		36° 33' 30" N 8° 44' 48" E	
Khroumirie (see Kroumirie mountains)	ca.	36° 35' 00" N 8° 25' 00" E	
Kroumiria (see Kroumirie mountains)	ca.	36° 35' 00" N 8° 25' 00" E	

Djebel Gloub (see Jabal Qulub)		36° 39' 00" N 8° 34' 00" E	
Jabal Qulub		36° 39' 00" N 8° 34' 00" E	
(see also: Djebel Gloub)			
Kroumirie mountains	ca.	36° 35' 00" N 8° 25' 00" E	
(see also: Khroumirie, Kroumiria, Kroumirii Highlands)			
Kroumirii Highlands (see Kroumirie mountains)	ca.	36° 35' 00" N 8° 25' 00" E	
Ras Rajel (American WWII) Cemetery, 10 km E Tabarka		36° 57' 14" N 8° 51' 59" E	
(see also: Ras Rajel Cemetery, mine at W edge, Tabarka, 10 km E)			
Ras Rajel Cemetery, mine at W edge (see Ras Rajel (American WWII) Cemetery)		36° 57' 14" N 8° 51' 59" E	
Ruines de Bulla Régia (see Bulla Regia), 7 km NNW Jendouba		36° 33' 30" N 8° 44' 48" E	
Shimtu, 17 km W Jendouba		36° 29' 00" N 8° 35' 00" E	158 m
(see also: Chemtou, Chemtou Ance, Jendouba, 17 km W, Simittu)			
Simittu (see Shimtu), 17 km W Jendouba		36° 29' 00" N 8° 35' 00" E	158 m
Souk el Arba, 7 km NNW (see Bulla Regia)		36° 33' 30" N 8° 44' 48" E	
Tabarka, 10 km E (see Ras Rajel (American WWII) Cemetery)		36° 57' 14" N 8° 51' 59" E	
Kef gPC:KF|)			
Le Kef governorate			
(see also: Kef governorate |PC:KF|)			
Siliana governorate			
Ar Raw?iyah, 10 km NE (see Sbeitla, pool 40 km NW)		35° 43' 42" N 9° 07' 58" E	
Ghar Kraiz		36° 26' 10" N 9° 23' 08" E	
Mactaris ruins (see Maktar ruins)		35° 51' 38" N 9° 12' 21" E	923 m
Maktar ruins, under large baths of the southeast		35° 51' 38" N 9° 12' 21" E	923 m
(see also: Mactaris ruins, Makthar ruins)			
Makthar ruins (see Maktar ruins)		35° 51' 38" N 9° 12' 21" E	923 m
Rohia, 10 km NE (see Sbeitla, pool 40 km NW)		35° 43' 42" N 9° 07' 58" E	
Sbeitla, 60 km N (see Sbeitla, pool 40 km NW)		35° 43' 42" N 9° 07' 58" E	
Scarna mine, 10 km NE Rohia, 60 km N Sbeitla		35° 43' 42" N 9° 07' 58" E	
Souk et Tnine, 10 km N (see Sbeitla, pool 40 km NW)		35° 43' 42" N 9° 07' 58" E	
Region 4			
Kairouan governorate			
Ain Dhab, Jebel Serdj		35° 56' 12" N 9° 32' 59" E	
Damoos Saïd, Jebel Serdj		35° 56' 12" N 9° 32' 59" E	
Djebel Trozza mine, 50 km WSW Kairouan		35° 30' 07" N 9° 35' 29" E	
(see also: Kairouan, 50 km WSW)			
Hadjeb el Aïoun pool, near (see Grombalia, 10 km W), 4 km NW of GP 3 on MC 77		35° 23' 49" N 9° 32' 44" E	
Hadjeb el Aïoune pool, near (see Grombalia, 10 km W), 4 km NW of GP 3 on MC 77		35° 23' 49" N 9° 32' 44" E	
Hajeb el Aïoun pool, near, 4 km NW of GP 3 on MC 77		35° 23' 49" N 9° 32' 44" E	
Kairouan, 50 km WSW (see Djebel Trozza mine)		35° 30' 07" N 9° 35' 29" E	
Kassérine governorate			
Djebel Chambi National Park			
Bordj Chambi		35° 14' 03" N 8° 45' 29" E	630 m
(see also: Bordj de Chambi, Burj ash Sha‘nabi, Burj ash Sha'nabi,, Chambi, Le Chambi)			
Bordj de Chambi (see Bordj Chambi)		35° 14' 03" N 8° 45' 29" E	630 m
Burj ash Sha'nabi (see Bordj Chambi)		35° 14' 03" N 8° 45' 29" E	630 m
Burj ash Sha'nabi, (see Bordj Chambi)		35° 14' 03" N 8° 45' 29" E	630 m
Chambi (see Bordj Chambi)		35° 14' 03" N 8° 45' 29" E	630 m
Le Chambi (see Bordj Chambi)		35° 14' 03" N 8° 45' 29" E	630 m
Djebel el Oust (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala		35° 33' 37" N 8° 52' 59" E	
Djebel Ouest (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala		35° 33' 37" N 8° 52' 59" E	
Djebel Oust (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala		35° 33' 37" N 8° 52' 59" E	
Feriana		34° 57' 00" N 8° 34' 00" E	733 m
(see also: Furriyanah)			
Furriyanah (see Feriana)		34° 57' 00" N 8° 34' 00" E	733 m
Grottes de Kasserine (see Kasserine caves)			
Jabal al Wast, 6 km S Oum Djeddour, 28 km E Thala		35° 33' 37" N 8° 52' 59" E	
(see also: Djebel el Oust , Djebel Ouest, Djebel Oust, Oum Djeddour, 6 km S, Thala, 28 km E)			
Kasserine caves			
(see also: Grottes de Kasserine)			
Oum Djeddour, 6 km S (see Jabal al Wast)		35° 33' 37" N 8° 52' 59" E	

Thala, 28 km E (see Jabal al Wast)		35° 33' 37" N 8° 52' 59" E	
Sidi Bou Zid governorate			
Bou Hedma National Park Headquarters	ca.	34° 29' 10" N 9° 32' 24" E	
Gammouda valley (see Sidi Bouzid valley), Bni Snassene massive		35° 02' 25" N 9° 29' 37" E	312 m
Qamudah valley (see Sidi Bouzid valley), Bni Snassene massive		35° 02' 25" N 9° 29' 37" E	312 m
Sbeitla, pool 40 km NW, 4 km N of GP 3, on MC 77 (see also: Ar Raw?iyah, 10 km NE, Rohia, 10 km NE, Sbeitla, 60 km N, Souk et Tnine, 10 km N)	ca.	35° 21' 22" N 9° 26' 22" E	
Sidi Bou Zid valley (see Sidi Bouzid valley), Bni Snassene massive		35° 02' 25" N 9° 29' 37" E	312 m
Sidi Bouzid valley, Bni Snassene massive (see also: Gammouda valley, Qamudah valley, Sidi Bou Zid valley, Sidi Bu Zayd valley)		35° 02' 25" N 9° 29' 37" E	312 m
Sidi Bu Zayd valley (see Sidi Bouzid valley), Bni Snassene massive		35° 02' 25" N 9° 29' 37" E	312 m
Region 5			
Mahdia governorate			
Monastir governorate			
Sfax governorate			
Safaqis (see Sfax)		34° 44' 26" N 10° 45' 37" E	12 m
Sfax (see also: Safaqis, Taparura)		34° 44' 26" N 10° 45' 37" E	12 m
Taparura (see Sfax)		34° 44' 26" N 10° 45' 37" E	12 m
Sousse governorate (see also: Susah governorate |PC:SS|)			
An Nafi?ah (see Enfida), Bou Ficha		36° 08' 07" N 10° 22' 51" E	12 m
Dar el Bey (see Enfida), Bou Ficha		36° 08' 07" N 10° 22' 51" E	12 m
Enfida, Bou Ficha (see also: An Nafi?ah, Dar el Bey, Enfidarille, Enfidaville, Envidaville)		36° 08' 07" N 10° 22' 51" E	12 m
Enfidarille (see Enfida), Bou Ficha		36° 08' 07" N 10° 22' 51" E	12 m
Enfidaville (see Enfida), Bou Ficha		36° 08' 07" N 10° 22' 51" E	12 m
Envidaville (see Enfida), Bou Ficha		36° 08' 07" N 10° 22' 51" E	12 m
Hadrumetum (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
Sousa (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
Souse (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
Soussa (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
Sousse (see also: Hadrumetum, Sousa, Souse, Soussa, Susa, Susah)		35° 49' 32" N 10° 38' 28" E	0 m
Susa (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
Susah (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
SusahPC:SS|)			
Region 6			
Gafsa governorate (see also: Qafsah governorate |PC:GF|)			
Aïoun Ameur, near, 4 km S Redeyef (see also: Ameur, Aïoun, near, Amir, 'Uyun, near, Redeyef, 4 km S, Uyun 'Amir, near)	ca.	34° 19' 00" N 8° 09' 00" E	
Al Ma?ilah (see M'Dilla abandoned Phosphate mines)		34° 15' 00" N 8° 45' 00" E	387 m
Ameur, Aïoun, near (see Aïoun Ameur, near), 4 km S Redeyef	ca.	34° 19' 00" N 8° 09' 00" E	
Amir, 'Uyun, near (see Aïoun Ameur, near), 4 km S Redeyef	ca.	34° 19' 00" N 8° 09' 00" E	
Ar Rudayyif (see also: Redevef, Redevel, Redeyef)		34° 23' 00" N 8° 09' 00" E	574 m
Bled Douarah, 43 km W Gafsa	ca.	34° 18' 00" N 8° 21' 00" E	
Capsa (see Gafsa)		34° 25' 30" N 8° 47' 03" E	297 m
Djebel Ank, mine (see Jabal al 'Unq, mine), 30 km SE Gafsa		34° 14' 02" N 9° 00' 54" E	
Djebel el Ank, mine (see Jabal al 'Unq, mine), 30 km SE Gafsa		34° 14' 02" N 9° 00' 54" E	
Gafsa (see also: Capsa, Gafso, Justiniania, Kafsa, Kaphza, Qafsah)		34° 25' 30" N 8° 47' 03" E	297 m
Gafsa, 20 km S (see M'Dilla abandoned Phosphate mines)		34° 15' 00" N 8° 45' 00" E	387 m
Gafsa, 30 km SE (see Jabal al 'Unq, mine)		34° 14' 02" N 9° 00' 54" E	
Gafsa, cave near (see also: Kaphza, cave near)		34° 26' 00" N 8° 47' 00" E	
Gafso (see Gafsa)		34° 25' 30" N 8° 47' 03" E	297 m
Jabal al 'Unq, mine, 30 km SE Gafsa (see also: Djebel Ank, mine, Djebel el Ank, mine, Gafsa, 30 km SE)		34° 14' 02" N 9° 00' 54" E	

Justiniania (see Gafsa)		34° 25' 30" N 8° 47' 03" E	297 m
Kafsa (see Gafsa)		34° 25' 30" N 8° 47' 03" E	297 m
Kaphza (see Gafsa)		34° 25' 30" N 8° 47' 03" E	297 m
Kaphza, cave near (see Gafsa, cave near)		34° 26' 00" N 8° 47' 00" E	
Le Mdilla (see M'Dilla abandoned Phosphate mines)		34° 15' 00" N 8° 45' 00" E	387 m
M'dhilla (see M'Dilla abandoned Phosphate mines)		34° 15' 00" N 8° 45' 00" E	387 m
M'Dilla abandoned Phosphate mines, 20 km S Gafsa (see also: Al Ma?ilah, Gafsa, 20 km S, Le Mdilla, M'dhilla, Village de la Mine)		34° 15' 00" N 8° 45' 00" E	387 m
Metlaoui and Redeyef, between		34° 20' 00" N 8° 24' 00" E	
Qafsah (see Gafsa)		34° 25' 30" N 8° 47' 03" E	297 m
Redevef (see Ar Rudayyif)		34° 23' 00" N 8° 09' 00" E	574 m
Redevel (see Ar Rudayyif)		34° 23' 00" N 8° 09' 00" E	574 m
Redeyef (see Ar Rudayyif)		34° 23' 00" N 8° 09' 00" E	574 m
Redeyef, 4 km S (see Aïoun Ameur, near)	ca.	34° 19' 00" N 8° 09' 00" E	
Uyun 'Amir, near (see Aïoun Ameur, near), 4 km S Redeyef	ca.	34° 19' 00" N 8° 09' 00" E	
Village de la Mine (see M'Dilla abandoned Phosphate mines)		34° 15' 00" N 8° 45' 00" E	387 m
Kebili governorate			
Douz, Nefzaoua (see also: Duz)		33° 27' 59" N 9° 01' 13" E	
Duz (see Douz), Nefzaoua		33° 27' 59" N 9° 01' 13" E	
Kebili, Nefzaoua (see also: Qibili)		33° 42' 07" N 8° 58' 25" E	34 m
Nafzawah (see also: Nefzaoua)	ca.	33° 30' 00" N 9° 00' 00" E	
Nefzaoua (see Nafzawah)	ca.	33° 30' 00" N 9° 00' 00" E	
Qibili (see Kebili), Nefzaoua		33° 42' 07" N 8° 58' 25" E	34 m
QafsaPC:GF|)			
Tozeur governorate			
Dgomous Reserve		34° 02' 55" N 8° 28' 34" E	
Oasis Tozeur		33° 55' 14" N 8° 08' 00" E	43 m
on GP 3 in underground aquaduct (see Stil Date Grove), 12 km N Tozeur			
Sidi Hassen Ayet memorial building, 4.5 km S Nefta		33° 50' 00" N 7° 52' 00" E	
Stil Date Grove, 12 km N Tozeur (see also: on GP 3 in underground aquaduct, Tozeur, 12 km N)			
Tamaghzah oasis (see also: Tamerza oasis)		34° 23' 00" N 7° 57' 00" E	441 m
Tamerza oasis (see Tamaghzah oasis)		34° 23' 00" N 7° 57' 00" E	441 m
Tawzar (see Tozeur)		33° 55' 14" N 8° 08' 00" E	43 m
Tozeur (see also: Tawzar)		33° 55' 14" N 8° 08' 00" E	43 m
Tozeur, 12 km N (see Stil Date Grove)			
Tozeur, Oasis		33° 55' 14" N 8° 08' 00" E	43 m
Region 7			
Gabès governorate			
Abes (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Al ?ammah (see El Hamma), near Gabès		33° 54' 00" N 9° 48' 00" E	58 m
El Hamma (see also: Al ?ammah, El Hamma de Gabès, El Hamma de l'Arad, El Hammah)		33° 54' 00" N 9° 48' 00" E	58 m
El Hamma de Gabès (see El Hamma)		33° 54' 00" N 9° 48' 00" E	58 m
El Hamma de l'Arad (see El Hamma), near Gabès		33° 54' 00" N 9° 48' 00" E	58 m
El Hammah (see El Hamma), near Gabès		33° 54' 00" N 9° 48' 00" E	58 m
Gabès, Qabis province (see also: Abes, Kabis, Qabes, Qabis, Tacapae, Tacape)		33° 53' 00" N 10° 07' 00" E	0 m
Gabès, 45 km S (see Toujane, 3 km N(W))		33° 29' 37" N 10° 08' 00" E	
Kabis (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Kalaa Matmata, near (see Matmata, near), Boukedma		33° 33' 00" N 9° 58' 00" E	400 m
Matmata, near, Boukedma (see also: Kalaa Matmata, near, Matmatah near)		33° 33' 00" N 9° 58' 00" E	400 m
Matmatah near (see Matmata, near), Boukedma		33° 33' 00" N 9° 58' 00" E	400 m
Qabes (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Qabis (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Tacapae (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Tacape (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Toudjane (see Tujan)		33° 28' 00" N 10° 08' 00" E	599 m
Toujane (see Tujan)		33° 28' 00" N 10° 08' 00" E	599 m
Toujane, 3 km N(W), on MC 104, 45 km S Gabès (see also: Gabès, 45 km S)		33° 29' 37" N 10° 08' 00" E	

Tujan		33° 28' 00" N 10° 08' 00" E	599 m
(see also: Toudjane, Toujane)			
Médenine governorate			
Ben Gardan (see Bir Qirdan)		33° 08' 00" N 11° 13' 00" E	8 m
Ben Gardane (see Bir Qirdan)		33° 08' 00" N 11° 13' 00" E	8 m
Ben-Gardán (see Bir Qirdan)		33° 08' 00" N 11° 13' 00" E	8 m
Bir Qirdan		33° 08' 00" N 11° 13' 00" E	8 m
(see also: Ben Gardan, Ben Gardane, Ben-Gardán)			
Djerba (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Djerba island (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Djerbeh (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Gerba (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Île de Djerba (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Île de Jerba		33° 48' 00" N 10° 54' 00" E	
(see also: Djerba, Djerba island, Djerbeh, Gerba, Île de Djerba, Isola di Gérba, Jazirat Jarbah, Jerba, Jerba island)			
Isola di Gérba (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Jazirat Jarbah (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Jerba (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Jerba island (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Tataouine governorate			
Ad Duwayrat (see Douirat)		32° 52' 00" N 10° 17' 00" E	460 m
Douirat		32° 52' 00" N 10° 17' 00" E	460 m
(see also: Ad Duwayrat)			
Foum Tatahouine (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Foum Tatahouine, 2 km S, on GP 19, 1 km E		32° 54' 55" N 10° 27' 00" E	
highway, French fortification			
Foum Tataouine (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Fum Tatawin (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Fumm Tattauin (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Gabès, 100 km S		33° 00' 00" N 10° 00' 00" E	
Tatahouïne (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Tataouine		32° 56' 00" N 10° 27' 00" E	246 m
(see also: Foum Tatahouine, Foum Tataouine, Fum Tatawin, Fumm Tattauin, Tatahouïne, Tatawin)			
Tatawin (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Therma			
Uganda			
Albert Edward Nyanza (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Baherere			
Bulaganya, cave 3 mi [=4.8 km] S, Bugisu district	ca.	1° 00' 00" N 34° 00' 00" E	
Burisifwe Gombolola, Bugisu district	ca.	1° 00' 00" N 34° 00' 00" E	
Central region			
(see also: West Mengo)			
Buikwe district			
Bukomansimbi district			
Butambala district			
Buvuma district			
Gomba district			
Kalangala district			
Bufumira Island		0° 21' 33" S 32° 24' 03" E	
Bugala island, Lake Victoria		0° 19' 13" N 32° 14' 38" E	
(see also: Sesse island)			
Kalangala		0° 18' 32" S 32° 13' 30" E	1180 m
Kalangala, 1.0 km N, 0.5 km E	ca.	0° 18' 32" S 32° 13' 30" E	1140 m
Kalangala, 1.0 km S	ca.	0° 18' 32" S 32° 13' 30" E	1180 m
Bukasa island		0° 24' 26" S 32° 28' 41" E	
Tende		0° 28' 12" S 32° 28' 48" E	
Nyanga, on Bugala island, in Lake Victoria		0° 40' 00" S 32° 50' 00" E	
Sesse island (see Bugala island), Lake Victoria		0° 19' 13" N 32° 14' 38" E	
Kalungu district			
Kampala district		0° 20' 00" N 32° 35' 00" E	4000 ft
Budo, Kampala, near		0° 15' 36" N 32° 29' 05" E	
Kampala		0° 18' 56" N 32° 33' 56" E	1202 m
Makerere		0° 20' 00" N 32° 34' 00" E	1193 m
Makerere Hill		0° 19' 00" S 32° 35' 00" E	
Mengo		0° 18' 00" N 32° 34' 00" E	1212 m
Kayunga district			
Kiboga district			
Kyankwanzi district			
Luwero district			
Bukalasa, West Mengo		0° 42' 26" N 32° 30' 48" E	1127 m
(see also: Bukulasa)			

Bukulasa (see Bukalasa), West Mengo		0° 42' 26" N 32° 30' 48" E	1127 m
Lwengo district			
Lyantonde district			
Masaka district			
Bukakata		0° 18' 00" S 31° 58' 12" E	
(see also: Bukakata Pier)			
Bukakata Pier (see Bukakata)		0° 18' 00" S 31° 58' 12" E	
Jubiya Forest, Masaka		0° 15' 00" S 31° 55' 00" E	
Lake Nabugabo (see Nabugabo, lake)		0° 20' 09" S 31° 52' 29" E	
Nabugabo, lake		0° 20' 09" S 31° 52' 29" E	
(see also: Lake Nabugabo)			
South Buganda		0° 30' 00" S 31° 45' 00" E	
Mityana district			
Mpigi district			
Mpigi district			
Mubende district			
Mubende		0° 35' 21" N 31° 21' 36" E	1323 m
(see also: Mubendi)			
Mubendi (see Mubende)		0° 35' 21" N 31° 21' 36" E	1323 m
Mukono district			
Damba island		0° 00' 54" N 32° 46' 37" E	
(see also: Daniba island)			
Daniba island (see Damba island)		0° 00' 54" N 32° 46' 37" E	
Kampala, 48 km E (see Namagunga, Buganda)		0° 22' 26" N 32° 52' 43" E	1140 m
Kyagwe county		0° 25' 00" N 32° 50' 00" E	
Mabira Forest		0° 30' 00" N 32° 55' 00" E	
Namagunga, Buganda, 48 km E Kampala		0° 22' 26" N 32° 52' 43" E	1140 m
(see also: Kampala, 48 km E)			
Sowe Island		0° 09' 38" N 32° 38' 52" E	
(see also: Soweh Island)			
Soweh Island (see Sowe Island)		0° 09' 38" N 32° 38' 52" E	
Wandegeya		0° 21' 00" N 33° 33' 00" E	1129 m
Nakaseke district			
Nakasongola district			
Rakai district			
Malabigambo Forest		0° 57' 07" S 31° 38' 25" E	
Sembabule district			
Wakiso district			
Entebbe, (ex North Buganda province?)		0° 03' 52" N 32° 26' 49" E	1132 m
Entebbe, near	ca.	0° 03' 52" N 32° 26' 49" E	3800 ft
Kabanyolo [mission]		0° 27' 00" N 32° 37' 00" E	
Kagolomolo-Busi island, near Entebbe		0° 04' 00" N 32° 33' 00" E	1158 m
Kampala, 13 km NW (see Kawanda, Agriculture Research Station)		0° 22' 29" N 32° 32' 11" E	1193 m
Kampala, 24 km N (see Namulonge)		0° 31' 47" N 32° 36' 09" E	1133 m
Kampala, 5 - 11 km N (see Katalemwa)		0° 24' 27" N 32° 35' 06" E	
Katalemura (see Katalemwa), 5 - 11 km N Kampala		0° 24' 27" N 32° 35' 06" E	
Katalemwa, 5 - 11 km N Kampala		0° 24' 27" N 32° 35' 06" E	
(see also: Kampala, 5 - 11 km N, Katalemura)			
Kawanda, Agriculture Research Station, 13 km NW Kampala		0° 22' 29" N 32° 32' 11" E	1193 m
(see also: Kampala, 13 km NW)			
Namulonge, 24 km N Kampala		0° 31' 47" N 32° 36' 09" E	1133 m
(see also: Kampala, 24 km N, Numulongo)			
Numulongo (see Namulonge), 24 km N Kampala		0° 31' 47" N 32° 36' 09" E	1133 m
Old Entebbe		0° 01' 41" N 32° 26' 43" E	1132 m
Zika forest		0° 07' 00" N 30° 30' 00" E	
Eastern region			
Amuria district			
Amuria		2° 00' 13" N 33° 39' 04" E	1096 m
Budaka district			
Bududa district			
Bugiri district			
Lugala		0° 11' 19" N 33° 53' 16" E	1137 m
E.A.T.R.O. Field Station		0° 12' 00" N 33° 54' 00" E	
Bukedea district			
Bukwo district			
Bulambuli district			
Busia district			
Butaleja district			
Buyende district			
Iganga district			
Jinja district			
Jinja district			
Kaberamaido district			
Kaliro district			

Kamuli district			
Kapchorwa district			
Bukwa, 5 mi [= 8 km] W (see Kabei cave)		1° 18' 00" N 34° 45' 00" E	
Kabei cave, 5 mi [=8 km] W Bukwa (see also: Bukwa, 5 mi [= 8 km] W)		1° 18' 00" N 34° 45' 00" E	
Kapchorwa (see also: Sabei, Sebei)		1° 22' 58" N 34° 31' 28" E	2419 m
Kapchorwa, cave at		1° 24' 00" N 34° 27' 00" E	
Sabei (see Kapchorwa)		1° 22' 58" N 34° 31' 28" E	2419 m
Sebei (see Kapchorwa)		1° 22' 58" N 34° 31' 28" E	2419 m
Sebei College, cave 1 mi [=1.6 km] SW	ca.	1° 22' 58" N 34° 31' 28" E	
Sebei College, cave 2 mi [=3.2 km] SW	ca.	1° 22' 58" N 34° 31' 28" E	
Sipi (see also: Sipi cave)		1° 18' 35" N 34° 22' 27" E	1791 m
Sipi cave (see Sipi)		1° 18' 35" N 34° 22' 27" E	1791 m
Katakwi district			
Kibuku district			
Kumi district			
Nyero (see also: Nyiro)		1° 29' 00" N 33° 51' 00" E	1113 m
Nyiro (see Nyero)		1° 29' 00" N 33° 51' 00" E	1113 m
Kween district			
Luuka district			
Manafwa district			
Mayuge district			
Mbale district			
Bumbo		0° 51' 40" N 34° 23' 53" E	1489 m
Butandiga		1° 12' 00" N 34° 22' 00" E	1743 m
Mbale, Bugisu district		1° 03' 52" N 34° 10' 46" E	1168 m
Nabumali		0° 59' 16" N 34° 12' 33" E	1268 m
Namayingo district			
Namutumba district			
Ngora district			
Pallisa district			
Serere district			
Sironko district			
Buhivu, mount Elgon		1° 08' 00" N 34° 33' 00" E	
Elgon, Mount (see Mount Elgon) (see also: Ligonyi, Masaba, Masawa)		1° 08' 00" N 34° 33' 00" E	
Ligonyi (see Elgon, Mount)		1° 08' 00" N 34° 33' 00" E	
Masaba (see Elgon, Mount)		1° 08' 00" N 34° 33' 00" E	
Masawa (see Elgon, Mount)		1° 08' 00" N 34° 33' 00" E	
Mount Elgon (see also: Elgon, Mount)		1° 08' 00" N 34° 33' 00" E	
Soroti district			
Serere		1° 29' 39" N 33° 27' 19" E	1085 m
Serere Agricultural Research Station (see Teso)		1° 31' 00" N 33° 27' 00" E	
Soroti		1° 41' 08" N 33° 36' 59" E	914 m
Soroti, 25 mi [=40 km] N		2° 04' 59" N 33° 37' 00" E	1219 m
Teso (see also: Serere Agricultural Research Station)		1° 31' 00" N 33° 27' 00" E	
Tororo district			
Bukedi, 9.7 km SSW Tororo (see also: Tororo, 9.7 km SSW)		0° 39' 00" N 34° 08' 00" E	
Mulanda, 12 mi [=19 km] W Tororo (see also: Tororo, 12 mi [=19 km] W)		0° 40' 53" N 34° 00' 27" E	1085 m
Ngongera (see also: Ngongera, Pope Pius X Seminary)		0° 46' 00" N 34° 02' 00" E	1071 m
Ngongera (see Ngongera)		0° 46' 00" N 34° 02' 00" E	1071 m
Ngongera, Bukedi, Pope Pius X Seminary, 22 km [=12 mi.] W Tororo (see also: Tororo, 22 km [=12 mi.] W)		0° 46' 33" N 34° 01' 00" E	
Pope Pius X Seminary (see Ngongera), 22 km W Tororo, Bukedi		0° 46' 00" N 34° 02' 00" E	1071 m
Sukuli Hills, 2 mi [=3.2 km] SSW Tororo (see also: Sukulu Hill, Tororo, 2 mi[=3.2 km] SSW)		0° 40' 05" N 34° 10' 29" E	
Sukulu Hill (see Sukuli Hills), Tororo, near		0° 40' 05" N 34° 10' 29" E	
Tororo		0° 41' 05" N 34° 10' 52" E	1185 m
Manjasi High School, Tororo		0° 40' 00" N 34° 12' 00" E	
Tororo, 10 km [=6 mi] SSW		0° 36' 00" N 34° 08' 44" E	
Tororo, 12 mi [=19 km] W (see Mulanda)		0° 40' 53" N 34° 00' 27" E	1085 m
Tororo, 2 mi[=3.2 km] SSW (see Sukuli Hills)		0° 40' 05" N 34° 10' 29" E	
Tororo, 22 km [=12 mi.] W (see Ngongera, Bukedi, Pope Pius X Seminary)		1° 04' 00" N 34° 19' 00" E	
Tororo, 64 km SW		0° 14' 50" N 33° 59' 10" E	

Tororo, 9.7 km SSW (see Bukedi)		0° 39' 00" N 34° 08' 00" E	
Édouard, lac (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Edward Nyanza (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Edward, lake	ca.	0° 08' 00" S 29° 53' 00" E	914 m
(see also: Albert Edward Nyanza, Édouard, lac, Edward Nyanza, Eward meer, Idi Amin Dada, lake, Idi Amine, lac, Lake Edward, Lake Idi Amin Dada)			
Entebbe, 60 mi [=90 km] W			3 700 ft
Eward meer (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Gonda			
Idi Amin Dada, lake (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Idi Amine, lac (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Impenetrable Forest, Kigezi district		1° 00' 00" S 29° 40' 00" E	
Kabalega Falls		2° 17' 00" N 31° 41' 00" E	
Kabarega Falls		2° 17' 00" N 31° 41' 00" E	
Kama tin mine, near Leventobo		0° 09' 00" S 33° 54' 00" E	
Katera			
Kichwamba, near			4500 ft
Kingdom of Toro (see Toro district (former))		0° 30' 00" N 30° 30' 00" E	5500 ft
Kiriamo			
Lake Edward (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Lake Idi Amin Dada (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Lake Victoria (see Victoria, lake)	ca.	1° 00' 00" S 33° 00' 00" E	
Moyo, 16 km E		3° 39' 00" N 31° 43' 00" E	
Mpanga Forest			5500 ft
Nam Lolwe (see Victoria, lake)	ca.	1° 00' 00" S 33° 00' 00" E	
Namulere			
Navkatwai			
Northern region			
Abim district			
Adjumani district			
Adjumani		3° 21' 41" N 31° 48' 35" E	761 m
(see also: Ajumani)			
Ajumani (see Adjumani)		3° 21' 41" N 31° 48' 35" E	761 m
Dufile		3° 33' 08" N 31° 56' 55" E	627 m
Agago district			
Alebtong district			
Amolatar district			
Amudat district			
Amuru district			
Apac district			
Arua district			
Arua, West Nile		3° 01' 09" N 30° 55' 51" E	1195 m
Arua, 32 km N (see Wati, mount)		3° 13' 40" N 31° 01' 46" E	
Arua, 97 km S (see Goli)		2° 41' 01" N 31° 06' 40" E	
Arua, near	ca.	3° 01' 00" N 30° 55' 00" E	
Eti, mount (see Wati, mount), 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
Goli, 97 km S Arua		2° 41' 01" N 31° 06' 40" E	
(see also: Arua, 97 km S)			
Mount Eti (see Wati, mount), 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
Mount Wati (see Wati, mount), 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
Mount Watti (see Wati, mount), 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
Wati, mount, 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
(see also: Arua, 32 km N, Eti, mount, Mount Eti, Mount Wati, Mount Watti, Watti, mount)			
Watti, mount (see Wati, mount), 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
Dokolo district			
Gulu district			
Gulu		2° 46' 00" N 32° 18' 20" E	1077 m
Nimule, near		3° 35' 00" N 32° 03' 00" E	
Kaabong district			
Kitgum district			
Koboko district			
Kole district			
Kotido district			
Karamoja, Amudat, South Karamoja			
Karamoja (former) district, S of		2° 45' 00" N 34° 15' 00" E	
Lamwo district			
Lira district			
Maracha district			
Moroto district			
Kangole Roman Catholic Mission		2° 26' 08" N 34° 29' 13" E	
Lotome		2° 20' 04" N 34° 34' 10" E	1271 m
Maroto (see Moroto)		2° 29' 45" N 34° 40' 10" E	1360 m

Moroto		2° 29' 45" N 34° 40' 10" E	1360 m
(see also: Maroto)			
Moroto, mount		2° 32' 00" N 34° 46' 00" E	
(see also: Mount Moroto, Mount Sokdek, Sokdek, mount)			
Mount Moroto (see Moroto, mount)		2° 32' 00" N 34° 46' 00" E	1500 m
Mount Sokdek (see Moroto, mount)		2° 32' 00" N 34° 46' 00" E	
Sokdek, mount (see Moroto, mount)		2° 32' 00" N 34° 46' 00" E	
Moyo district			
Metu		3° 39' 13" N 31° 48' 05" E	1043 m
(see also: Metu Rest Camp)			
Metu Rest Camp (see Metu)		3° 39' 13" N 31° 48' 05" E	1043 m
Moyo, West Madi County, West Nile district		3° 37' 41" N 31° 45' 13" E	889 m
Moyo, 10 mi [=16 km] E		3° 39' 00" N 31° 43' 00" E	
Moyo, near	ca.	3° 37' 41" N 31° 45' 13" E	
West Madi county		3° 30' 00" N 31° 35' 00" E	
Nakapiripirit district			
Amdat (see Amudat), (ex Karamoja district?)		1° 57' 00" N 34° 57' 00" E	1223 m
Amudat, (ex Karamoja district?)		1° 57' 00" N 34° 57' 00" E	
(see also: Amdat)			
Debasien, mount (see Kadam, mount)		1° 43' 19" N 34° 42' 49" E	
Kadam, mount		1° 43' 19" N 34° 42' 49" E	
(see also: Debasien, mount, Kokolyo, Mount Debasien, Mount Kadam)			
Kokolyo (see Kadam, mount)		1° 43' 19" N 34° 42' 49" E	
Moruita, South Karmojadst		1° 51' 34" N 34° 45' 41" E	1699 m
Mount Debasien (see Kadam, mount)		1° 43' 19" N 34° 42' 49" E	
Mount Kadam (see Kadam, mount)		1° 43' 19" N 34° 42' 49" E	
Ngora		2° 03' 00" N 34° 38' 00" E	
Napak district			
Nebbi district			
Nwoya district			
Otuke district			
Oyam district			
Pader district			
Amiel, 45 mi ESE Kitgum		2° 58' 00" N 33° 27' 00" E	1137 m
(see also: Kitgum, 45 mi [=72 km] ESE)			
Kitgum, 45 mi [=72 km] ESE (see Amiel)		2° 58' 00" N 33° 27' 00" E	1137 m
Pajule		2° 56' 23" N 32° 56' 38" E	1006 m
Yumbe district			
Rhino Camp, Nile province, West Nile dist.		2° 57' 50" N 31° 24' 40" E	
Yumbe, Nile province, West Nile dist.		3° 26' 47" N 31° 16' 13" E	903 m
Zombo district			
Ntandi, W			
Old Kalongi			
Oshikango			
Point Alice			
Toro district (former)		0° 30' 00" N 30° 30' 00" E	5500 ft
(see also: Kingdom of Toro)			
Ukerewe (see Victoria, lake)	ca.	1° 00' 00" S 33° 00' 00" E	
Victoria Nyanza (see Victoria, lake)	ca.	1° 00' 00" S 33° 00' 00" E	
Victoria, lake	ca.	1° 00' 00" S 33° 00' 00" E	
(see also: Lake Victoria, Nam Lolwe, Ukerewe, Victoria Nyanza)			
West Mengo (see Central region), North Buganda province		0° 05' 00" N 32° 00' 00" E	
Western region			
Buhweju district			
Buliisa district			
Bundibugyo district			
Bwainba (see Bwamba [county])		0° 50' 00" N 30° 03' 00" E	762 m
Bwamba [county]		0° 50' 00" N 30° 03' 00" E	762 m
(see also: Bwainba)			
Mongiro		0° 50' 00" N 30° 10' 00" E	1098 m
Ntandi, Bwamba Forest		0° 48' 00" N 30° 09' 00" E	1106 m
Ntorako		1° 02' 28" N 30° 28' 52" E	548 m
Semliki flats		0° 49' 00" N 30° 04' 00" E	
(see also: Semliki Game Reserve)			
Semliki Game Reserve (see Semliki flats)		0° 49' 00" N 30° 04' 00" E	
Bundimusaba		0° 43' 00" N 30° 05' 00" E	
(see also: Bundimusembe, Bundimusuba)			
Bundimusembe (see Bundimusaba)		0° 43' 00" N 30° 05' 00" E	
Bundimusuba (see Bundimusaba)		0° 43' 00" N 30° 05' 00" E	
Bushenyi district			
Fort Portal, Mpanga forest		0° 41' 38" S 30° 15' 59" E	1524 m
(see also: Kabarole)			

Kabarole (see Fort Portal), Mpanga forest		0° 41' 38" S 30° 15' 59" E	1524 m
Kalinzu Forest		0° 25' 00" S 30° 05' 00" E	
Enkombe Sawmill		0° 16' 48" S 30° 07' 12" E	1480 m
Queen Elizabeth National Park (see Ruwenzori National Park)		0° 15' 00" S 30° 11' 11" E	
Kasenji (see Kasenyi)		0° 02' 26" S 30° 08' 45" E	3000 ft
Kasenju (see Kasenyi)		0° 02' 26" S 30° 08' 45" E	3000 ft
Kasenyi (see also: Kasenji, Kasenju)		0° 02' 26" S 30° 08' 45" E	3000 ft
Miveya (see Mweya Lodge)		0° 14' 27" S 29° 55' 08" E	914 m
Mweya (see Mweya Lodge)		0° 14' 27" S 29° 55' 08" E	914 m
Mweya Lodge (see also: Miveya, Mweya, Mweya Safari Lodge)		0° 14' 27" S 29° 55' 08" E	914 m
Mweya Safari Lodge (see Mweya Lodge)		0° 14' 27" S 29° 55' 08" E	914 m
Queen Elizabeth Park (see Ruwenzori National Park)		0° 15' 00" S 30° 11' 11" E	
Ruwenzori National Park (see also: Queen Elizabeth National Park, Queen Elizabeth Park, Rwenzori National Park)		0° 15' 00" S 30° 11' 11" E	
Mihringa (see Mihunga)		0° 20' 00" N 30° 02' 00" E	
Mihunga, entrance, Nyakalengija, Rwenzori National Park (see also: Mihringa, Minunga)		0° 20' 00" N 30° 02' 00" E	
Minunga (see Mihunga)		0° 20' 00" N 30° 02' 00" E	
Nyabitaba Hut		0° 21' 26" N 29° 58' 31" E	8750 ft
Rwenzori National Park (see Ruwenzori National Park)		0° 15' 00" S 30° 11' 11" E	
John Mate Camp		0° 23' 00" N 29° 56' 00" E	3368 m
Mahoma river, cave near		0° 21' 39" N 30° 00' 06" E	6700 ft
Hoima district			
Albert Nyanza, 20 mi [=32 km] S of East of Center of lake	ca.	1° 28' 49" N 31° 11' 54" E	
Bugoma Forest, Mwela		1° 11' 53" N 30° 56' 07" E	3800 ft
Mwela		1° 16' 00" N 31° 00' 00" E	1158 m
Haima, 28 mi [=45 km] S (see Hoima, 28 mi [=45 km] S)	ca.	1° 16' 37" N 31° 18' 20" E	
Hoima, 28 mi [=45 km] S (see also: Haima, 28 mi [=45 km] S)	ca.	1° 16' 37" N 31° 18' 20" E	
Ibanda district			
Isingiro district			
Kabale district			
Bunyoni, lake (see Bunyonyi, lake)		1° 17' 00" S 29° 55' 05" E	
Bunyonyi, lake (see also: Bunyoni, lake, Lake Bunyoni, Lake Bunyonyi)		1° 17' 00" S 29° 55' 05" E	
Echuya Forest Reserve		1° 18' 00" S 29° 50' 00" E	2380 m
Lake Bunyoni (see Bunyonyi, lake)		1° 17' 00" S 29° 55' 05" E	
Lake Bunyonyi (see Bunyonyi, lake)		1° 17' 00" S 29° 55' 05" E	
Kabarole district			
Kamwenge district			
Kanungu district			
Bukorwe Ridge		0° 44' 00" S 29° 40' 00" E	3500 ft
Bwindi area	ca.	1° 02' 09" S 29° 43' 10" E	
Bwindi Swamp			
Bwindi-Impenetrable National Park		1° 02' 09" S 29° 43' 10" E	1500 m
Byumba, edge of Bwindi-Impenetrable National Park		0° 55' 41" S 29° 41' 45" E	1540 m
Luhiza Mine (see Ruhizha wolfram mine)		1° 01' 53" S 29° 46' 42" E	2286 m
Ngoto Swamp		0° 52' 52" S 29° 43' 52" E	1500 m
Nteko parish	ca.	1° 02' 16" S 29° 36' 00" E	1600 m
Omubiyanja Swamp		0° 59' 21" S 29° 37' 06" E	1850 m
Ruhizha wolfram mine (see also: Luhiza Mine)		1° 01' 53" S 29° 46' 42" E	
Kayonza Crown Forest Reserve (see Kayonza Forest)		0° 56' 20" S 29° 43' 28" E	
Kayonza Forest (see also: Kayonza Crown Forest Reserve)		0° 56' 20" S 29° 43' 28" E	
Kasese district			
Fort George (see Katwe), lake Edward		0° 08' 30" S 29° 49' 49" E	770 m
Kasese, 40 km from (see Nyabirongo)		0° 03' 29" N 29° 57' 11" E	2667 m
Katwe, lake Edward (see also: Fort George)		0° 08' 30" S 29° 49' 49" E	
Katwe, lake (see also: Lake Katwe)		0° 08' 00" S 29° 52' 00" E	
Katwe, near	ca.	0° 08' 30" S 29° 49' 49" E	3000 ft
Lake Katwe (see Katwe, lake)		0° 08' 00" S 29° 52' 00" E	
Massif du Ruwenzori (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Mobuka Valley (see Mubuku Valley), Ruwenzori East		0° 11' 00" N 30° 14' 00" E	13000 ft

Mobuku Valley (see Mubuku Valley), Ruwenzori East		0° 11' 00" N 30° 14' 00" E	13000 ft
Monts de la Lune (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Monts Rwenzori (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Mount Ruwenzori (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Mountains of the Moon (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Mubuk river, right bank, Rwenzori mountains		0° 11' 00" N 30° 14' 00" E	
Mubuku - Mahoma River confluence, above, E slopes Rwenzori mountains		0° 21' 50" N 29° 59' 53" E	2103 m
Mubuku River, river bank, above confll Kyoha River		0° 21' 00" N 30° 00' 00" E	1890 m
Mubuku Valley, Ruwenzori East (see also: Mobuka Valley, Mobuku Valley)		0° 11' 00" N 30° 14' 00" E	13000 ft
Nyabirongo, 40 km from Kasese (see also: Kasese, 40 km from)		0° 03' 29" N 29° 57' 11" E	2667 m
Nyanugasani River		0° 09' 00" S 29° 49' 00" E	3050 ft
Ruwenzori (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori East		0° 22' 00" N 30° 00' 00" E	1524 m
Ruwenzori Mountains (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori Range (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori SE		0° 22' 00" N 30° 00' 00" E	
Ruwenzori, foot		0° 22' 00" N 30° 00' 00" E	
Rwenzoli (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Rwenzori Mountains (see also: Massif du Ruwenzori, Monts de la Lune, Monts Rwenzori, Mount Ruwenzori, Mountains of the Moon, Ruwenzori, Ruwenzori Mountains, Ruwenzori Range, Rwenzoli)		0° 25' 28" N 30° 00' 58" E	1524 m
Kibaale district			
Dorwa river (see Wasa river), Chemliki valley		1° 02' 00" N 30° 30' 00" E	
Katatemwa, Kampala		1° 05' 00" N 31° 09' 00" E	966 m
Wasa river, Chemliki valley (see also: Dorwa river)		1° 02' 00" N 30° 30' 00" E	
Kiruhura district			
Kiryandongo district			
Kisoro district			
Kisolo (see Kisoro)		1° 21' 14" S 29° 41' 54" E	1829 m
Kisoro (see also: Kisolo)		1° 21' 14" S 29° 41' 54" E	1829 m
Lake Mutanda (see Lake Mutanda) (see also: Lake Mutanda)		1° 12' 31" S 29° 40' 31" E	1829 m
Mutanda, lake		1° 12' 31" S 29° 40' 31" E	
Kyegegwa district			
Kyenjojo district			
Kibale Forest		0° 29' 10" N 30° 22' 58" E	
Mainaro		0° 21' 27" N 30° 23' 13" E	
Ngogo		0° 30' 22" N 30° 25' 34" E	
Masindi district			
Biso (see also: Bisu)		1° 45' 23" N 31° 25' 15" E	982 m
Bisu (see Biso)		1° 45' 23" N 31° 25' 15" E	982 m
Buchanan Sawmills	ca.	1° 45' 23" N 31° 25' 15" E	
Budongo		1° 38' 39" N 31° 35' 54" E	
Budongo Forest, ca. 25 km NW of Masindi (see also: Budongo Forest Nature Reserve, Masindi, ca. 25 km NW)		1° 44' 16" N 31° 33' 22" E	4000 ft
Bunyoro, Busingiro		1° 45' 00" N 31° 35' 00" E	1350 m
Masindi, near	ca.	1° 40' 28" N 31° 42' 54" E	
Nabea	ca.	1° 44' 16" N 31° 33' 22" E	
Budongo Forest Nature Reserve (see Budongo Forest)		1° 44' 16" N 31° 33' 22" E	
Busingiro area (see also: Busingiro Camp Site)		1° 42' 54" N 31° 28' 12" E	1070 m
Busingiro Camp Site (see Busingiro area)		1° 42' 54" N 31° 28' 12" E	1070 m
Budongo Forest Royal mile (see also: Nyabyeya Forestry College, N of, Royal Mile Forest)		1° 42' 29" N 31° 32' 21" E	
Budongo Forest Royal mile area	ca.	1° 42' 29" N 31° 32' 21" E	
Buligi		2° 16' 00" N 31° 23' 00" E	762 m
Bussu		0° 02' 00" N 32° 02' 00" E	
Butiaba (see also: Butlaba)		1° 48' 41" N 31° 19' 50" E	600 m
Butlaba (see Butiaba)		1° 48' 41" N 31° 19' 50" E	600 m
Bwamba Forest		1° 40' 00" N 31° 30' 00" E	
Humia [river] (see Humiya [river])		0° 46' 00" N 30° 02' 00" E	
Humiya [river] (see also: Humia [river])		0° 46' 00" N 30° 02' 00" E	
Ntandi		0° 48' 00" N 30° 09' 00" E	1106 m

Kabalega Falls National Park (see also: Kabalega National Park , Kabarega National Park , Kabarenga National Park , Murchison Falls National Park, Murchison Falls Park)		2° 08' 46" N 31° 48' 40" E	610 m
Kabalega National Park (see Kabalega Falls National Park)			610 m
Kabarega National Park (see Kabalega Falls National Park)			610 m
Kabarenga National Park (see Kabalega Falls National Park)			610 m
Kigumba, Bunyoro		1° 48' 18" N 32° 00' 42" E	1071 m
Kinyala (see also: Kinyara)		1° 38' 00" N 31° 35' 00" E	1262 m
Kinyara (see Kinyala)		1° 38' 00" N 31° 35' 00" E	1262 m
Masinai (see Masindi)		1° 40' 28" N 31° 42' 54" E	1216 m
Masindi (see also: Masinai)		1° 40' 28" N 31° 42' 54" E	1216 m
Masindi, ca. 25 km NW (see Budongo Forest)		1° 44' 16" N 31° 33' 22" E	4000 ft
Murchison Falls		2° 17' 00" N 31° 41' 00" E	3500 ft
Murchison Falls National Park (see Kabalega Falls National Park)		2° 08' 46" N 31° 48' 40" E	610 m
Paraa (see also: Paraa Lodge, Paraa Safari Lodge)		2° 17' 31" N 31° 34' 39" E	914 m
Paraa Lodge (see Paraa)		2° 17' 31" N 31° 34' 39" E	914 m
Paraa Safari Lodge (see Paraa)		2° 17' 31" N 31° 34' 39" E	914 m
Murchison Falls Park (see Kabalega Falls National Park)		2° 08' 46" N 31° 48' 40" E	610 m
Nyabyeya Forestry College		1° 41' 00" N 31° 32' 00" E	
Nyabyeya Forestry College, 0.5 km SE		1° 41' 00" N 31° 32' 00" E	
Nyabyeya Forestry College, N of (see Budongo Forest Royal mile)		1° 42' 29" N 31° 32' 21" E	
Nyafungo Nature Reserve		1° 42' 32" N 31° 31' 34" E	
Royal Mile Forest (see Budongo Forest Royal mile)		1° 42' 29" N 31° 32' 21" E	
Sonsor river		1° 46' 00" N 31° 33' 00" E	1219 m
Waisake river (see Waisoke river)		1° 58' 00" N 31° 24' 00" E	
Waisoke river (see also: Waisake river)		1° 58' 00" N 31° 24' 00" E	
Mbarara district			
Itama area (see Kikagati area)	ca.	1° 06' 13" S 30° 41' 17" E	
Itama mine (see Rev Malebo) (see also: Ithama mine)		0° 59' 00" S 29° 41' 00" E	1615 m
Itama Mine area (see Kikagati area)	ca.	1° 06' 13" S 30° 41' 17" E	
Ithama mine (see Itama mine)		0° 59' 00" S 29° 41' 00" E	1615 m
Kikagati area (see also: Itama area, Itama Mine area)	ca.	1° 06' 13" S 30° 41' 17" E	
Kikagati mine		1° 06' 13" S 30° 41' 17" E	1407 m
Mbarara, Ankole district		0° 39' 30" S 30° 40' 33" E	1436 m
Mitooma district			
Ntoroko district			
Ntungamo district			
Rubirizi district			
Kasyoha-Kitomi Forest Reserve		0° 15' 00" S 30° 15' 00" E	
Kamuzuku, lake 1 (see also: Lake Kamuzuku 1)		0° 15' 49" S 30° 09' 09" E	
Kamuzuku, lake 2 (see also: Lake Kamuzuku 2)		0° 15' 54" S 30° 09' 25" E	
Lake Kamuzuku 1 (see Kamuzuku, lake 1)		0° 15' 49" S 30° 09' 09" E	
Lake Kamuzuku 2 (see Kamuzuku, lake 2)		0° 15' 54" S 30° 09' 25" E	
Rukungiri district			
Kigezi Game Reserve		0° 30' 00" S 29° 50' 00" E	
Bwambara, 8 km N (see Bwentale Camp, below)		0° 33' 00" S 29° 52' 12" E	
Bwentale Camp, below (see also: Bwambara, 8 km N)		0° 33' 00" S 29° 52' 12" E	1031 m
Ishasha River	ca.	0° 28' 00" S 29° 41' 00" E	
Ishasha Road, 0.5 km S		0° 30' 00" S 29° 46' 00" E	1000 m
Ishasha, 5 km E		0° 40' 48" S 29° 40' 12" E	1062 m
Maramagambo Forest Reserve South		0° 30' 00" S 29° 55' 12" E	1092 m
Sheema district			
Suam River (see also: Turkwell River)	ca.	1° 13' 00" N 34° 43' 00" E	
Toro, Ruwenzori		0° 30' 00" N 30° 30' 00" E	762 m
Turkwell River (see Suam River)	ca.	1° 13' 00" N 34° 43' 00" E	
Urundi, 30 mi S Usamburu (see also: Usamburu, 30 mi S)			
Usamburu, 30 mi S (see Urundi)			

Vallée de la Taïka (see Taïka valley), 10 km W Dakoro			
Webi			
West Africa			
Woodbush			
Zambezi, upper			
Zambia			
Bwalo, near Fort Jameson		13° 45' 00" S 32° 45' 00" E	4500 ft
Central province			
Blue Lagoon National Park, Naleza		15° 30' 00" S 27° 25' 00" E	
Blue Lagoon National Park No. 18, Naleza		15° 30' 00" S 27° 25' 00" E	
Blue Lagoon ranch, Naleza		15° 30' 00" S 27° 25' 00" E	
Broken Hill (see Kabwe)		14° 26' 00" S 28° 27' 00" E	1172 m
Chepundu River		13° 00' 00" S 31° 00' 00" E	4800 ft
Kabwe (see also: Broken Hill)		14° 26' 00" S 28° 27' 00" E	1172 m
Kafue River (see also: Lufuu River)		15° 56' 00" S 28° 55' 00" E	
Kambowa, Naleza		15° 30' 00" S 27° 25' 00" E	
Kapongo cave		15° 46' 00" S 28° 21' 00" E	
Kasanka		12° 40' 00" S 30° 19' 00" E	ca. 4000 ft
Kasanka National Park		12° 35' 12" S 30° 13' 30" E	
Kriel cave (see Kriel Farm), 5 - 6 mi N-NE Lusaka	ca.	15° 19' 11" S 28° 19' 55" E	
Kriel Farm, 5 - 6 mi N-NE Lusaka (see also: Kriel cave, Kriel Ranch, Lusaka, 5 - 6 mi [=8 - 10 km] N-NE, Ngiverone Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E, Ngwerere Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E)	ca.	15° 19' 11" S 28° 19' 55" E	
Kriel Ranch (see Kriel Farm), 5 - 6 mi N-NE Lusaka	ca.	15° 19' 11" S 28° 19' 55" E	
Leopard's Hill Cave		15° 36' 17" S 28° 41' 56" E	
Lochinvar (see Lochinvar National Park)		15° 55' 00" S 27° 15' 00" E	
Lochinvar Kafue Flats		15° 52' 00" S 27° 07' 00" E	
Lochinvar National Park (see also: Lochinvar, Lochinvar National Park No. 13, Lochinvar Ranch, Lonchinvar)		15° 55' 00" S 27° 15' 00" E	
Lochinvar National Park No. 13 (see Lochinvar National Park)		15° 55' 00" S 27° 15' 00" E	
Lochinvar Ranch (see Lochinvar National Park), Chunga		15° 55' 00" S 27° 15' 00" E	
Lonchinvar (see Lochinvar National Park)		15° 55' 00" S 27° 15' 00" E	
Lufuu River (see Kafue River)		15° 56' 00" S 28° 55' 00" E	
Lukanga Swamp, West of Broken Hill		14° 22' 47" S 27° 48' 19" E	
Luombwa River		12° 30' 00" S 29° 55' 00" E	4000 ft
Lusaka, 10 km NW (see Ngwerere cave)		15° 19' 00" S 28° 19' 00" E	1280 m
Lusaka, 5 - 6 mi [=8 - 10 km] N-NE (see Kriel Farm)	ca.	15° 19' 11" S 28° 19' 55" E	
Lusiwashi valley		13° 02' 00" S 30° 43' 00" E	
Mumbwa		14° 59' 00" S 27° 04' 00" E	1151 m
Naleza [hill]		15° 27' 00" S 27° 20' 00" E	
Nampongwe [river], Lochinvar		15° 44' 00" S 27° 17' 00" E	
Ngiverone Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E (see Kriel Farm)	ca.	15° 19' 11" S 28° 19' 55" E	
Ngwerere cave, 10 km NW Lusaka (see also: Lusaka, 10 km NW)		15° 19' 00" S 28° 19' 00" E	1280 m
Ngwerere Siding		15° 19' 00" S 28° 19' 00" E	
Ngwerere Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E (see Kriel Farm)	ca.	15° 19' 11" S 28° 19' 55" E	
North Sumbu Island		11° 05' 00" S 29° 45' 00" E	
Ngwerere Siding, near	ca.	15° 19' 12" S 28° 19' 12" E	
Pwira Pan		13° 54' 00" S 27° 51' 00" E	
Chief Chitanda			
Chilanga cave		15° 33' 00" S 28° 16' 12" E	
Copperbelt province			
Bwana Mkubwa		13° 00' 00" S 28° 40' 48" E	
Kitwe, Mwekera (see also: Kitwe Nkana, Nkana-Kitwe, Nkane-Kitwe)		12° 59' 00" S 28° 12' 00" E	1212 m
Kitwe Nkana (see Kitwe), Mwekera		12° 59' 00" S 28° 12' 00" E	1212 m
Luanshya (see also: Luanshyo)		13° 08' 00" S 28° 24' 00" E	1228 m
Luanshya district		13° 00' 00" S 28° 20' 00" E	
Luanshya, 6 mi [=9.7 km] S (see also: Luanshyo, 6 mi [=9.7 km] S)	ca.	13° 08' 00" S 28° 24' 00" E	ca. 1200 m
Luanshyo (see Luanshya)		13° 08' 00" S 28° 24' 00" E	1228 m
Luanshyo, 6 mi [=9.7 km] S (see Luanshya, 6 mi [=9.7 km] S)	ca.	13° 08' 00" S 28° 24' 00" E	ca. 1200 m
Machiya ferry (see Makiya ferry)		13° 42' 00" S 27° 36' 00" E	1115 m

Makiya ferry (see also: Machiya ferry)	13° 42' 00" S 27° 36' 00" E	1115 m
Mindola (see Mindolo dam), near Kitwe	12° 47' 00" S 28° 09' 00" E	ca. 1200 m
Mindolo dam, near Kitwe (see also: Mindola)	12° 47' 00" S 28° 09' 00" E	ca. 1200 m
Mufulira district	12° 30' 00" S 28° 15' 00" E	
Mwekera [river], near Kitwe	12° 52' 00" S 28° 16' 00" E	
Ndola	12° 58' 00" S 28° 38' 00" E	1304 m
Nkana-Kitwe (see Kitwe), Mwekera	12° 59' 00" S 28° 12' 00" E	1212 m
Nkane-Kitwe (see Kitwe), Mwekera	12° 59' 00" S 28° 12' 00" E	1212 m
Wusikili Bridge, Kitwe	12° 51' 00" S 28° 13' 00" E	
Eastern province		
Chibembe pontoon, 1/2 mi [=0.8 km] S	12° 46' 00" S 32° 04' 00" E	
Chinzombo	13° 07' 00" S 31° 46' 00" E	
Chipata (see also: Fort Jameson)	13° 38' 00" S 32° 39' 00" E	1212 m
Chipata district (see also: Fort Jameson district)	13° 30' 00" S 32° 10' 00" E	
Chipengali area	13° 07' 30" S 32° 52' 30" E	
Escape Farm, Chipata		
Fort Jameson (see Chipata)	13° 38' 00" S 32° 39' 00" E	1212 m
Fort Jameson Boma	13° 40' 00" S 32° 40' 00" E	3800 ft
Fort Jameson district (see Chipata district)	13° 30' 00" S 32° 10' 00" E	
Jumbe	13° 17' 00" S 32° 05' 00" E	710 m
Jumbe river	13° 17' 00" S 32° 05' 00" E	
Kalichero	13° 33' 00" S 32° 24' 00" E	896 m
Kankomba River, Lundazi	13° 30' 00" S 32° 15' 00" E	2000 ft
Kazilondok	11° 30' 00" S 33° 00' 00" E	2000 ft
Kongwe Hill, Fort Jameson district	13° 08' 00" S 32° 47' 00" E	
Luambe (see also: Luambe Game Camp)	12° 27' 00" S 32° 08' 00" E	
Luambe Game Camp (see Luambe)	12° 27' 00" S 32° 08' 00" E	
Luangwa	13° 07' 00" S 31° 45' 00" E	
Luangwa River	12° 45' 00" S 32° 05' 00" E	
Luangwa River	13° 22' 30" S 31° 37' 30" E	
Luangwa Valley	13° 07' 30" S 31° 52' 30" E	3000 ft
Chikwa	11° 40' 00" S 32° 47' 00" E	900 m
Chisenga	12° 38' 00" S 30° 54' 00" E	
Chisombo	13° 07' 30" S 31° 52' 30" E	
Lunzi river	11° 38' 00" S 32° 42' 00" E	
Petauke	14° 15' 00" S 31° 20' 00" E	939 m
Lukusuzi (see Lukusuzi National Park)	12° 50' 00" S 32° 35' 00" E	
Lukusuzi Game Reserve (see Lukusuzi National Park)	12° 50' 00" S 32° 35' 00" E	
Lukusuzi National Park (see also: Lukusuzi, Lukusuzi Game Reserve, Lukusuzi National Park No. 3)	12° 50' 00" S 32° 35' 00" E	
Lukusuzi National Park No. 3 (see Lukusuzi National Park)	12° 50' 00" S 32° 35' 00" E	
Lundazi, Lundi River	11° 30' 00" S 32° 30' 00" E	2000 ft
Lusingazi Game Camp	13° 21' 00" S 31° 40' 00" E	
Lutembue River (see Lutembwa River), near Fort Jameson	13° 40' 00" S 32° 45' 00" E	3800 ft
Lutembwa River, near Fort Jameson (see also: Lutembue River)	13° 40' 00" S 32° 45' 00" E	3800 ft
Lutembwe, Luangwa Valley	14° 22' 12" S 30° 22' 12" E	
Masali Mine	14° 05' 00" S 32° 59' 00" E	
Membe Highlands, Lundazi	11° 30' 00" S 33° 30' 00" E	5000 ft
Mfuwe [airfield]	13° 04' 00" S 31° 49' 00" E	
Mfuwe Game Camp	13° 05' 00" S 31° 47' 00" E	305 m
Missale	14° 05' 00" S 32° 58' 00" E	
Missale Customs Post	14° 04' 00" S 33° 00' 00" E	
Missale Old Mine	14° 05' 00" S 32° 59' 00" E	
Mpomwa Hills	13° 27' 00" S 32° 19' 00" E	
Mpomwa Hills, below	13° 22' 30" S 32° 22' 30" E	
Muyombe	10° 35' 00" S 32° 28' 00" E	1401 m
Mwanya	12° 43' 00" S 32° 15' 00" E	683 m
Nsadzu	14° 04' 00" S 32° 20' 00" E	1040 m
Nyimba and Chipata, between (see also: Nyimba and Fort Jameson, between)	14° 00' 00" S 32° 00' 00" E	
Nyimba and Fort Jameson, between (see Nyimba and Chipata, between)	14° 00' 00" S 32° 00' 00" E	
Sasare Old Mine, Petauke district	13° 55' 00" S 31° 22' 00" E	
Tembwe village	11° 21' 41" S 32° 53' 16" E	1020 m
Zinglume	13° 40' 00" S 32° 40' 00" E	3800 ft
Farm Xanadu, Lusaka	15° 25' 00" S 28° 16' 00" E	
Kanona, 32 mi [=51.5 km] NE		

Kanona, 42 mi [=68 km] SW			
Luanshya, 6 mi S		13° 07' 30" S 28° 22' 30" E	
Luapula province			
Bangwelk, Lake (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Bangweolo, lake (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Bangweulu, lake (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Nsombo		10° 49' 00" S 29° 57' 00" E	1175 m
Bengweulu, Lake (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Fort Roseberry - Lubumbashi, between (see Mansa - Lubumbashi, between)		11° 11' 00" S 28° 53' 00" E	
Kawambwa		9° 48' 29" S 29° 18' 45" E	
Kilwa Island, Lake Mwern		9° 16' 00" S 28° 27' 00" E	
Lake Bangwelk (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Lake Bangweolo (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Lake Bangweulu (see also: Bangwelk, Lake, Bangweolo, lake, Bangweulu, lake, Bengweulu, Lake, Lake Bangwelk, Lake Bangweolo, Lake Bengweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Lake Bengweulu (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Mansa - Lubumbashi, between (see also: Fort Roseberry - Lubumbashi, between, Mbila - Lubumbashi, between, Roseberry - Lubumbashi, between)		11° 11' 00" S 28° 53' 00" E	
Mbila - Lubumbashi, between (see Mansa - Lubumbashi, between)		11° 11' 00" S 28° 53' 00" E	
Roseberry - Lubumbashi, between (see Mansa - Lubumbashi, between)		11° 11' 00" S 28° 53' 00" E	
Samfya		11° 21' 00" S 29° 33' 00" E	1154 m
Lusaka province		15° 25' 00" S 29° 00' 00" E	
CE Ltd., cave, 20 mi SW Lusaka (see also: Lusaka, 20 mi [=32 km] SW)			
Chelston, 2 mi [=3.2 km] N		15° 21' 00" S 28° 23' 00" E	
Chief Chlawa's		15° 37' 12" S 29° 22' 12" E	
Chilanga, 10 mi S Lusaka (see also: Lusaka, 10 mi [=16 km] S)		15° 33' 00" S 28° 17' 00" E	1220 m
Chilanga Intensive Conservation Area (see Chilanga West Intensive Conservation Area)		15° 35' 00" S 28° 10' 00" E	
Chilanga Nature Reserve (see Chilanga West Intensive Conservation Area)		15° 35' 00" S 28° 10' 00" E	
Chilanga West Intensive Conservation Area (see also: Chilanga Intensive Conservation Area, Chilanga Nature Reserve)		15° 35' 00" S 28° 10' 00" E	
Chilanga Caves		15° 33' 00" S 28° 16' 00" E	
Chipongwe (see also: Chipongwe West)		15° 39' 00" S 28° 16' 00" E	1090 m
Chipongwe Cave, 18 mi [=29 km] S Lusaka; between Lusaka and Kafue (see also: Chiponque Cave)		15° 41' 00" S 28° 14' 00" E	
Chipongwe West (see Chipongwe)		15° 39' 00" S 28° 16' 00" E	1090 m
Chiponque Cave (see Chipongwe Cave)		15° 41' 00" S 28° 14' 00" E	
Chisakila Area	ca.	15° 54' 00" S 28° 41' 00" E	
Dzala Cave, 14 mi NE Lusaka (see also: Lusaka, 14 mi [=22.5 km] NE)		15° 26' 00" S 28° 20' 00" E	
Kabulonga		15° 25' 00" S 28° 21' 00" E	1275 m
Kafue Gorge		15° 52' 00" S 28° 30' 00" E	
Kafue Gorge, near		15° 51' 00" S 28° 27' 00" E	
Lusaka		15° 25' 00" S 28° 17' 00" E	1270 m
Lusaka, 10 mi [=16 km] S (see Chilanga)		15° 33' 00" S 28° 17' 00" E	1220 m
Lusaka, 14 mi [=22.5 km] NE (see Dzala Cave)		15° 26' 00" S 28° 20' 00" E	
Lusaka, 18 mi [=29 km] S		15° 40' 49" S 28° 17' 00" E	
Lusaka, 20 mi [=32 km] SW (see CE Ltd., cave)		15° 37' 30" S 28° 07' 30" E	
Lusaka, 20 mi [=32 km] SW		15° 37' 30" S 28° 07' 30" E	
Lusaka, 7 km W		15° 25' 00" S 28° 06' 00" E	
Lusake, 6 mi [=9.7 km] NE		15° 25' 00" S 28° 21' 00" E	
Makeni Farm, Lusaka, near		15° 31' 00" S 28° 10' 00" E	
Makulu, mount, 15 km S Lusaka (see also: Mount Makulu)		15° 33' 00" S 28° 11' 00" E	
Mkwashi (see Mkwisi)		15° 54' 00" S 28° 36' 00" E	
Mkwesi (see Mkwisi)		15° 54' 00" S 28° 36' 00" E	
Mkwishi (see Mkwisi)		15° 54' 00" S 28° 36' 00" E	
Mkwisi (see also: Mkwashi, Mkwesi, Mkwishi, Mkwisi, Mukwishi, Mukwisi)		15° 54' 00" S 28° 36' 00" E	
Mkwisi (see Mkwisi)		15° 54' 00" S 28° 36' 00" E	
Mount Makulu (see Makulu, mount), 15 km S Lusaka		15° 33' 00" S 28° 11' 00" E	
Mukwishi (see Mkwisi)		15° 54' 00" S 28° 36' 00" E	

Mukwisi (see Mkwisi)		15° 54' 00" S 28° 36' 00" E	
Munali (see Munali School)		15° 23' 00" S 28° 21' 00" E	
Munali School		15° 23' 00" S 28° 21' 00" E	
(see also: Munali)			
Natural Resources Development College, Lusaka, near		15° 23' 00" S 28° 22' 00" E	
Reitfontein (see Rietfontein Farm), Lusaka, near		15° 28' 00" S 28° 43' 00" E	
Rietfontein Farm, Lusaka, near		15° 28' 00" S 28° 43' 00" E	
(see also: Reitfontein)			
Zambezi Farm, confluence of Kafue and Zambezi rivers, near Chirundu	ca.	15° 56' 30" S 28° 54' 45" E	
Muchina province			
North Luangwa National Park		12° 06' 40" S 32° 06' 20" E	
Muckle Neuk			
Mujimbe Hill, cave near			
Muzubuku			
Northern province			
Abercorn (see Mbala)		8° 50' 00" S 31° 23' 00" E	1656 m
Bulaya, Lake Mweru Wantipa		8° 31' 00" S 30° 08' 00" E	948 m
Bwandela River, Mporokoso District, Ehilosi area		9° 59' 08" S 30° 01' 28" E	
(see also: Bwandera River)			
Bwandera River (see Bwandela River)		9° 59' 08" S 30° 01' 28" E	
Chambezi		11° 00' 00" S 31° 30' 00" E	
Chembeshi River, Kasama		10° 20' 00" S 31° 58' 00" E	4000 ft
Chilomo Hill	ca.	12° 50' 26" S 31° 22' 03" E	
(see also: Chiromo Hill, Chirozo Hill)			
Chiniyka Bay, Lake Tanganyika		8° 31' 00" S 30° 40' 00" E	
Chiromo Hill (see Chilomo Hill)	ca.	12° 50' 26" S 31° 22' 03" E	
Chirozo Hill (see Chilomo Hill)	ca.	12° 50' 26" S 31° 22' 03" E	
Chishela dambo, Mporokoso district		10° 43' 00" S 29° 13' 00" E	
Isoka		10° 10' 00" S 32° 38' 00" E	1500 m
Isoka district			
Moemba village, Isoka district		10° 24' 00" S 33° 20' 00" E	1440 m
(see also: Mpemba village)			
Mpemba village (see Moemba village)		10° 24' 00" S 33° 20' 00" E	1440 m
Kalungu River High Water		9° 30' 00" S 32° 45' 00" E	5000 ft
Kasama		10° 12' 00" S 31° 12' 00" E	1240 m
Kasama Boma		10° 13' 00" S 31° 10' 00" E	4500 ft
Kituta Bay, South end Lake Tanganyika		8° 32' 00" S 30° 30' 00" E	2775 ft
Loangwa valley		13° 10' 00" S 31° 30' 00" E	
Lufubu River, Kaputa		8° 40' 00" S 29° 30' 00" E	1000 ft
Luwushi Stream		10° 00' 00" S 33° 00' 00" E	5500 ft
Mafinga Mountains		9° 57' 00" S 33° 21' 00" E	1950 m
Makuto Mountains (see Makutu Mountains)		10° 25' 00" S 33° 15' 00" E	2070 m
Makutu Mountains		10° 25' 00" S 33° 15' 00" E	2070 m
(see also: Makuto Mountains)			
Mbala		8° 50' 00" S 31° 23' 00" E	1656 m
(see also: Abercorn)			
Kalambo Road		8° 50' 00" S 31° 25' 00" E	5400 ft
Mbesuma (see Mbesuma Ranch)		10° 02' 00" S 31° 10' 00" E	1484 m
Mbesuma Farm (see Mbesuma Ranch)		10° 02' 00" S 31° 10' 00" E	1484 m
Mbesuma Ranch		10° 02' 00" S 31° 10' 00" E	1484 m
(see also: Mbesuma, Mbesuma Farm)			
Mbulu Stream		8° 51' 00" S 31° 23' 00" E	5600 ft
Mnyombe, Isoka			
Mpolokoso (see Mporokoso)		9° 23' 00" S 30° 08' 00" E	1380 m
Mporokoso		9° 23' 00" S 30° 08' 00" E	1380 m
(see also: Mpolokoso)			
Mporokoso Boma		9° 15' 00" S 30° 10' 00" E	4700 ft
Msosa (see Musosa)		8° 23' 00" S 29° 38' 00" E	976 m
Musende Bay, Lake Tanganyika		8° 46' 00" S 31° 06' 00" E	
(see also: Musende Show)			
Musende Show (see Musende Bay), Lake Tanganyika		8° 46' 00" S 31° 06' 00" E	
Musosa		8° 23' 00" S 29° 38' 00" E	976 m
(see also: Msosa)			
Mweru Marsh, Kangiri		8° 45' 00" S 29° 30' 00" E	
Mweru Marsh Game Reserve, Kangiri		8° 45' 00" S 29° 30' 00" E	
Mweru Wantipa, Kangiri		8° 45' 00" S 29° 30' 00" E	
Mweru Wantipa National Park, Kangiri		8° 45' 00" S 29° 30' 00" E	
Mweru Wantipa National Park No. 5, Kangiri		8° 45' 00" S 29° 30' 00" E	
Nabwalia Village (see Nabwalya)		12° 24' 00" S 31° 59' 00" E	638 m
Nabwalya		12° 24' 00" S 31° 59' 00" E	638 m
(see also: Nabwalia Village)			
Nsefu Game Camp (see Nyika Plateau)		12° 57' 00" S 32° 00' 00" E	
Nsefu Game Reserve		12° 57' 00" S 32° 00' 00" E	
(see also: Nsefu Game Sactuary)			

Nsefu Game Sactuary (see Nsefu Game Reserve)	12° 57' 00" S 32° 00' 00" E	
Nyika Plateau	10° 38' 00" S 33° 15' 00" E	
(see also: Nsefu Game Camp)		
Sinzu Mountain (see Sunzu Mountain), Mbala [=Abercorn]	9° 03' 00" S 31° 30' 00" E	5500 ft
Sumbu	8° 31' 00" S 30° 29' 00" E	763 m
Sunsu Mountain (see Sunzu Mountain), Mbala [=Abercorn]	9° 03' 00" S 31° 30' 00" E	5500 ft
Sunza Mountain (see Sunzu Mountain), Mbala [=Abercorn]	9° 03' 00" S 31° 30' 00" E	5500 ft
Sunzu Mountain, Mbala [=Abercorn]	9° 03' 00" S 31° 30' 00" E	5500 ft
(see also: Sinzu Mountain, Sunsu Mountain, Sunza Mountain)		
North-Western province		
Balovale (see Zambezi)	13° 33' 00" S 23° 07' 00" E	1090 m
Zambezi River, Balovale	13° 33' 00" S 23° 07' 00" E	
Chavuma area, Zambezi [=Balovale] district,	13° 04' 00" S 22° 41' 00" E	
Chingi, Chavuma, near	13° 01' 00" S 22° 44' 00" E	1094 m
Chitau	13° 05' 00" S 22° 43' 00" E	1052 m
Chizela, Kasempa district	13° 08' 00" S 25° 00' 00" E	1179 m
(see also: Chizera)		
Chizera (see Chizela), Kasempa district	13° 08' 00" S 25° 00' 00" E	1179 m
Ikelenge Pedicle between the Sakeji and Zambezi rivers, approximately 11 km NNE of source of Zambezi river, Kavunda, Mwinilunga district	11° 17' 00" S 24° 21' 00" E	1388 m
Jimbe Stream	10° 57' 00" S 24° 05' 00" E	
Kabompo	13° 36' 00" S 24° 12' 00" E	1027 m
(see also: Kabompo Boma, Kapombo Boma)		
Kabompo Boma (see Kabompo)	13° 36' 00" S 24° 12' 00" E	1027 m
Kabompo district	13° 15' 00" S 24° 10' 00" E	
Chikundulu river	12° 57' 00" S 24° 14' 00" E	
(see also: Shikundulu river)		
Manhinga River (see Manyinga River)	13° 28' 00" S 24° 21' 00" E	
Maninga River (see Manyinga River)	13° 28' 00" S 24° 21' 00" E	
Manyinga River	13° 28' 00" S 24° 21' 00" E	
(see also: Manhinga River, Maninga River)		
Mblundu River		
Shikundulu river (see Chikundulu river)	12° 57' 00" S 24° 14' 00" E	
Kabompo, near	13° 36' 00" S 24° 12' 00" E	
Kafue Game Reserve (see Kafue National Park)	14° 30' 00" S 26° 10' 00" E	
Kafue National Park	14° 30' 00" S 26° 10' 00" E	
(see also: Kafue Game Reserve, Kafue National Park No. 11)		
Lufupa Camp [Site 1]	14° 36' 51" S 26° 11' 18" E	
Lufupa Camp [Site 2]	14° 36' 56" S 26° 11' 27" E	1099 m
Lufupa Camp [Site 3]	14° 36' 48" S 26° 11' 17" E	
Kafue National Park No. 11 (see Kafue National Park)	14° 30' 00" S 26° 10' 00" E	
Kanyale stream	10° 58' 00" S 24° 07' 00" E	
Kapombo Boma (see Kabompo)	13° 36' 00" S 24° 12' 00" E	1027 m
Kasama (see Kasempa)	13° 27' 00" S 25° 50' 00" E	1208 m
Kasempa	13° 27' 00" S 25° 50' 00" E	1208 m
(see also: Kasama, Kasempa Boma)		
Kasempa Boma (see Kasempa)	13° 27' 00" S 25° 50' 00" E	1208 m
Kasompe camp, Kasempa district	14° 05' 00" S 25° 45' 00" E	
Kaungashi stream, source of	13° 50' 00" S 26° 47' 00" E	
Lenhua, Rio (see Lunhiu river), Balovale	13° 19' 00" S 23° 13' 00" E	
Linyuwe river (see Lunhiu river), Balovale	13° 19' 00" S 23° 13' 00" E	
Luakela River	11° 36' 00" S 24° 31' 00" E	
(see also: Luakera River)		
Luakera River (see Luakela River)	11° 36' 00" S 24° 31' 00" E	
Lufupa and Kafue rivers confluence	14° 37' 04" S 26° 11' 29" E	
Lunga (see West Lunga National Park)	12° 45' 00" S 24° 45' 00" E	
Lunga Game Reserve (see West Lunga National Park)	12° 45' 00" S 24° 45' 00" E	
Lunga Game Reserve No. 11 (see West Lunga National Park)	12° 45' 00" S 24° 45' 00" E	
Lunga pontoon, Kasempa district	13° 59' 00" S 26° 21' 00" E	1100 m
Lunhiu river, Balovale	13° 19' 00" S 23° 13' 00" E	
(see also: Lenhua, Rio , Linyuwe river, Lunyuwi river, Lunyuwi river)		
Lunyuwi river (see Lunhiu river), Balovale	13° 19' 00" S 23° 13' 00" E	
Lunyuwi river (see Lunhiu river), Balovale	13° 19' 00" S 23° 13' 00" E	
Mushitv, headwaters interior of, Kanyale stream	10° 58' 00" S 24° 07' 00" E	
Mwinilunga, on Sakeji Stream	11° 21' 00" S 24° 15' 00" E	4700 ft
Mwinilunga district	12° 00' 00" S 24° 35' 00" E	
Mwinilunga district	12° 00' 00" S 24° 35' 00" E	
Kunyale stream		

Nyansowe stream		12° 14' 00" S 25° 34' 00" E	
Sakei stream, headwaters (see Sakeji stream, headwaters)		11° 21' 00" S 24° 15' 00" E	436 m
Sakeji stream, headwaters (see also: Sakei stream, headwaters, Sekezhi stream, headwaters)		11° 21' 00" S 24° 15' 00" E	436 m
Salujinga		10° 58' 00" S 24° 07' 00" E	1324 m
Sekezhi stream, headwaters (see Sakeji stream, headwaters)		11° 21' 00" S 24° 15' 00" E	436 m
Solwezi (see also: Solwezi Boma)		12° 11' 00" S 26° 24' 00" E	1366 m
Solwezi Boma (see Solwezi)		12° 11' 00" S 26° 24' 00" E	1366 m
Solwezi district		12° 25' 00" S 26° 00' 00" E	1200 m
Mombeshi river (see Mwombezhi river)		12° 52' 00" S 25° 59' 00" E	
Mombezhi river (see Mwombezhi river)		12° 52' 00" S 25° 59' 00" E	
Mwambeshi river (see Mwombezhi river)		12° 52' 00" S 25° 59' 00" E	
Mwombezhi river (see also: Mombeshi river, Mombezhi river, Mwambeshi river)		12° 52' 00" S 25° 59' 00" E	
Mwombezi (see also: Mwombezi village)		12° 13' 00" S 25° 34' 00" E	1200 m
West Lunga National Park (see also: Lunga, Lunga Game Reserve, Lunga Game Reserve No. 11, West Lunga National Park No. 14)		12° 45' 00" S 24° 45' 00" E	
Nyabikwa Kabompo confluence		12° 45' 00" S 24° 45' 00" E	
West Lunga National Park No. 14 (see West Lunga National Park)		12° 45' 00" S 24° 45' 00" E	
Zambezi (see also: Balovale)		13° 33' 00" S 23° 07' 00" E	1090 m
Zambezi rapids, Ikelempe		10° 59' 00" S 24° 02' 00" E	
Northwestern Zambia			
Shupanga, Zambezi			
Southern province			
Choma district		16° 40' 00" S 27° 10' 00" E	
Choma		16° 49' 00" S 26° 59' 00" E	1320 m
Choma, 12 mi [=19 km] NW	ca.	16° 40' 56" S 26° 49' 58" E	1234 m
Gwabi lodge, on Kafue river, near Chirundu		15° 57' 05" S 28° 51' 41" E	
Kalomo		17° 03' 00" S 26° 30' 00" E	1224 m
Kariba, lake, north shore		16° 28' 00" S 28° 20' 00" E	
Kasungula (see Kazungula)		17° 47' 00" S 25° 16' 00" E	722 m
Kasungulu (see Kazungula)		17° 47' 00" S 25° 16' 00" E	722 m
Kazungula (see also: Kasungula, Kasungulu)		17° 47' 00" S 25° 16' 00" E	722 m
Livingstone		17° 51' 00" S 25° 52' 00" E	3030 ft
Livingstone [1752S 2551E] and Lochinvar [1551S 2714E], between			
Magoye Forest Reserve (see also: Magoye research station)		16° 00' 00" S 27° 40' 00" E	
Magoye research station (see Magoye Forest Reserve)		16° 00' 00" S 27° 40' 00" E	
Mandala Camp (see Mandala School), Choma district		16° 31' 00" S 25° 56' 00" E	
Mandala School, Choma district (see also: Mandala Camp)		16° 31' 00" S 25° 56' 00" E	
Mazabuka (see also: Mazabuka Boma)		15° 52' 00" S 27° 46' 00" E	1101 m
Mazabuka Boma (see Mazabuka)		15° 52' 00" S 27° 46' 00" E	1101 m
Monze, 200 mi S N'Dola (see also: N'Dola, 200 mi [=322 km] S)		16° 17' 00" S 27° 29' 00" E	1107 m
Mount Makulu Research Station		15° 37' 30" S 28° 07' 30" E	
Nampini, near Victoria Falls	ca.	17° 55' 00" S 25° 52' 00" E	
N'Dola, 200 mi [=322 km] S (see Monze)		16° 17' 00" S 27° 29' 00" E	1107 m
Ngoma		15° 52' 35" S 25° 59' 21" E	1020 m
Western province			
Eastern Luachi (see Luachi River)		14° 59' 00" S 22° 27' 00" E	
Kalabo		14° 58' 00" S 22° 41' 00" E	1019 m
Libala Lia Matabele (see Matabele plain)		16° 25' 00" S 23° 08' 00" E	
Libala Lya Matebele (see Matabele plain)		16° 25' 00" S 23° 08' 00" E	
Limalunga (see also: Limulunga)		15° 09' 00" S 23° 10' 00" E	3330 ft
Limulunga (see Limalunga)		15° 09' 00" S 23° 10' 00" E	3330 ft
Limulunga, 10 mi [=16 km] N Mongu N.R.	ca.	15° 04' 05" S 23° 08' 53" E	
Luachi River (see also: Eastern Luachi, Luochi River)		14° 59' 00" S 22° 27' 00" E	
Lueti River, S		15° 38' 00" S 22° 06' 00" E	
Luochi River (see Luachi River)		14° 59' 00" S 22° 27' 00" E	

Matabele plain		16° 25' 00" S 23° 08' 00" E	
(see also: Libala Lia Matabele, Libala Lya Matebele , Matebele plain)			
Matebele plain (see Matabele plain)		16° 25' 00" S 23° 08' 00" E	
Mongu		15° 15' 00" S 23° 08' 00" E	1009 m
(see also: Mungu)			
Mongu N.R., 10 mi [=16 km] N		15° 06' 00" S 23° 09' 00" E	1024 m
Mongu, 70 km NE (see Ndanda)		14° 58' 00" S 23° 45' 00" E	1086 m
Mungu (see Mongu)		15° 15' 00" S 23° 08' 00" E	1009 m
Ndanda, 70 km NE Mongu		14° 58' 00" S 23° 45' 00" E	1086 m
(see also: Mongu, 70 km NE, Ndanda Dambo)			
Ndanda Dambo (see Ndanda), 70 km NE Mongu		14° 58' 00" S 23° 45' 00" E	1086 m
Ndanda School, Mongu, 70 km NE		14° 45' 00" S 23° 45' 00" E	
Senanga		16° 07' 00" S 23° 16' 00" E	967 m
(see also: Senanza)			
Senanza (see Senanga)		16° 07' 00" S 23° 16' 00" E	967 m
Senenga, 50 km NE		15° 37' 12" S 23° 22' 12" E	
Senenga, 59 km NE		15° 37' 12" S 23° 22' 12" E	
Sihole		15° 21' 00" S 22° 33' 00" E	1054 m
Sikongo, Barotseland		15° 01' 00" S 22° 10' 00" E	1026 m
Sililo		14° 16' 00" S 22° 29' 00" E	1028 m
Sioma Bush Camp		16° 45' 03" S 23° 25' 13" E	
Wenela, Kalabo		15° 00' 00" S 22° 37' 00" E	
Zambia or Zimbabwe			
Zimbabwe			
(see also: South Rhodesia)			
Angwa River			
Bonda Mission		18° 26' 49" S 32° 35' 39" E	
Bulawayo province			
Bulawayo		20° 09' 00" S 28° 35' 00" E	1351 m
Bulawayo Swamps	ca.	20° 05' 00" S 28° 30' 00" E	
Chibero, 5 km NNW (see Tetse fly gate), Kariba district, Kanyati Communial land			
Chikore			
Cyrene			
Elizabeth lake (see Kariba, lake)		17° 00' 00" S 28° 00' 00" E	
Gorgman			
Harare province			
Harare		17° 49' 04" S 31° 02' 41" E	1480 m
(see also: Harare Centre, Harare, 19 km NW, Salisbury)			
Avondale West		17° 46' 57" S 31° 01' 27" E	
Borrowdale Brooke		17° 42' 49" S 31° 08' 42" E	
Braeside		17° 50' 34" S 31° 03' 51" E	1477 m
Christon Bank		17° 36' 00" S 31° 00' 00" E	
Cranborne Park		17° 51' 04" S 31° 04' 43" E	
Crowborough Sewage Works		17° 50' 27" S 30° 56' 02" E	
Eyerston Farm		17° 56' 37" S 31° 03' 22" E	1450 m
Greendale		17° 48' 51" S 31° 07' 38" E	
Hatfield		17° 52' 20" S 31° 05' 44" E	
Highlands		17° 47' 41" S 31° 06' 31" E	
(see also: Highlands Estate)			
Highlands Estate (see Highlands)		17° 47' 41" S 31° 06' 31" E	
Southerton		17° 51' 49" S 31° 01' 09" E	
Thornpark Estate		17° 43' 00" S 31° 01' 00" E	
Waterfalls		17° 52' 52" S 31° 02' 39" E	1402 m
Harare Centre (see Harare)		17° 49' 04" S 31° 02' 41" E	1480 m
Harare, 19 km NW (see Harare)			
Monavale (see Monovale), Harare		17° 48' 17" S 31° 01' 00" E	1431 m
Monovale, Harare		17° 48' 17" S 31° 01' 00" E	1431 m
(see also: Monavale)			
Salisbury (see Harare)		17° 49' 04" S 31° 02' 41" E	1480 m
Singereri Hills, Harare, Upper Mazowe Valley		17° 37' 00" S 31° 07' 00" E	
Warren Hills		17° 52' 00" S 30° 58' 00" E	
Haroni-Lusitu confluence	ca.	20° 01' 00" S 33° 01' 00" E	
Kanona, 32 mi [=51.5 km] NE			
Kanona, 42 mi [=68 km] SW			
Kapovka, mount			
Kariba reservoir (see Kariba, lake)		17° 00' 00" S 28° 00' 00" E	
Kariba, lake		17° 00' 00" S 28° 00' 00" E	
(see also: Elizabeth lake, Kariba reservoir, Lake Elizabeth, Lake Kariba)			
Karna Block Ranch, Lupane			
Lake Elizabeth (see Kariba, lake)		17° 00' 00" S 28° 00' 00" E	
Lake Kariba (see Kariba, lake)		17° 00' 00" S 28° 00' 00" E	
Le Rhone Lodge, Lake Kyle			

Lunzi River, NE Rhodesia, Loangwa Valley, Lundazi district			
Malve, Serenje district			
Manicaland province			
Asbestos Mine, Mutare		18° 55' 12" S 32° 37' 12" E	
Birchenough Bridge		19° 58' 00" S 32° 20' 00" E	493 m
(see also: Birchenough Bridge Hotel)			
Birchenough Bridge Hotel (see Birchenough Bridge)		19° 58' 00" S 32° 20' 00" E	493 m
Birchenough Bridge Hotel, 7 mi [=11 km] W (see Birchenough Bridge, 11.2 km W)		19° 57' 00" S 32° 14' 00" E	
Birchenough Bridge, 11.2 km W		19° 57' 00" S 32° 14' 00" E	
(see also: Birchenough Bridge Hotel, 7 mi [=11 km] W)			
Bulldog Mine, Mutare		18° 45' 00" S 32° 30' 00" E	
Chibiribira Falls (see Chivirira Falls)		21° 12' 00" S 32° 18' 00" E	
Chimanimani National Park		19° 55' 00" S 33° 01' 00" E	
Makurupini River	ca.	19° 55' 00" S 33° 01' 00" E	
Chingamwe Estates, Eastern Highlands, 15 km SE Juliesdale		18° 29' 00" S 32° 44' 00" E	
(see also: Juliesdale, 15 km SE)			
Chipinga (see Chipinge)		20° 12' 00" S 32° 37' 00" E	1015 m
Chipinge		20° 12' 00" S 32° 37' 00" E	1015 m
(see also: Chipinga)			
Chiribira Falls (see Chivirira Falls)		21° 12' 00" S 32° 18' 00" E	
Chirinda		19° 05' 55" S 31° 40' 49" E	
Chirinda Forest, Mount Silinda		20° 26' 00" S 32° 42' 00" E	
Chirinda Pools		21° 22' 30" S 31° 52' 30" E	
Chivirira Falls		21° 12' 00" S 32° 18' 00" E	
(see also: Chibiribira Falls, Chiribira Falls)			
Devure river		19° 57' 20" S 32° 15' 01" E	
Fern Valley, Umtali		19° 03' 00" S 32° 39' 00" E	
Feruka, Mutare		18° 52' 48" S 32° 37' 48" E	
Gimboki, Mutare		19° 01' 12" S 32° 34' 48" E	
Gleneagles Estate, Inyanga		18° 17' 00" S 32° 54' 00" E	
Gwingingwi farm, Mutare			
Haroni-Lusitu Beacon 74			
Ingorima Reserve (see Ngorima Tribal Trust Land), Melsetter district, Manicaland		20° 05' 00" S 32° 53' 00" E	
Inyanga		18° 13' 00" S 32° 45' 00" E	1737 m
(see also: Nyanga)			
Inyanga National Park (see Rhodes Inyanga National Park)		18° 17' 00" S 32° 48' 00" E	
Inyazura (see Nyazura)		18° 43' 00" S 32° 10' 00" E	1219 m
Jeff Estate, Mutare		18° 58' 12" S 32° 36' 36" E	
Juliesdale, 15 km SE (see Chingamwe Estates)		18° 29' 00" S 32° 44' 00" E	
Leopard Rock Hotel		19° 08' 00" S 32° 47' 00" E	
Manchester Gardens (see Vumba National Park)		19° 05' 00" S 32° 45' 00" E	
Manchester National Park (see Vumba National Park)		19° 05' 00" S 32° 45' 00" E	
Martin Forest Area		19° 42' 00" S 32° 56' 00" E	
(see also: Martin Forest Reserve)			
Martin Forest Reserve (see Martin Forest Area)		19° 42' 00" S 32° 56' 00" E	
Masvingo, 160 km NE, Save River			
Melsetter district		19° 52' 30" S 32° 52' 30" E	
Melsetter, 20 km SE (see Rusito Forest), Rusito forest		20° 02' 00" S 32° 59' 00" E	
Mutanda Hills, Save Drift		19° 07' 30" S 32° 07' 30" E	
Mutare		18° 58' 29" S 32° 39' 20" E	1094 m
(see also: Mutare Asbestos Mine, No 2 Adit, Nyautare, Old Mine Adit, Old Umtali, Umtali, Umtali Mine adit, Umtali Old mine)			
Fairbridge Park, Mutare		18° 57' 22" S 32° 38' 39" E	
Mutare Boys High School		18° 57' 41" S 32° 41' 30" E	
Mutare Museum		18° 58' 16" S 32° 40' 02" E	
Mutare Asbestos Mine (see Mutare)		18° 58' 29" S 32° 39' 20" E	
Mutare, 10 mi [=16 km] from, on Vumba road		19° 06' 46" S 32° 45' 45" E	
(see also: Umtali, 10 mi [=16 km] from)			
Mutare, 15 km W	ca.	18° 55' 47" S 32° 32' 38" E	
Mutare, 3 mi [=4.8 km] from, on Uumbra road	ca.	19° 06' 46" S 32° 45' 45" E	
(see also: Umtali, 3 mi [=4.8 km] from)			
Ngorima Reserve (see Ngorima Tribal Trust Land), Melsetter district, Manicaland		20° 05' 00" S 32° 53' 00" E	
Ngorima Tribal Trust Land, Melsetter district, Manicaland		20° 05' 00" S 32° 53' 00" E	
(see also: Ingorima Reserve, Ngorima Reserve)			
No 2 Adit (see Mutare)		18° 58' 29" S 32° 39' 20" E	1094 m
Nyanga (see Inyanga)		18° 13' 00" S 32° 45' 00" E	1737 m
Nyautare (see Mutare)		18° 58' 29" S 32° 39' 20" E	1094 m

Nyazura (see also: Inyazura, Nyazure)		18° 43' 00" S 32° 10' 00" E	1219 m
Nyazure (see Nyazura)		18° 43' 00" S 32° 10' 00" E	1219 m
Odzi		18° 58' 00" S 32° 23' 00" E	1036 m
Odzi district		18° 59' 00" S 32° 29' 00" E	
Old Mine Adit (see Mutare), Umtali		18° 58' 29" S 32° 39' 20" E	1094 m
Old Umtali (see Mutare)		18° 58' 29" S 32° 39' 20" E	1094 m
Penhalonga, Imbeza Valley		18° 53' 00" S 32° 41' 00" E	1521 m
Pungwe River		18° 29' 00" S 32° 59' 00" E	
Pungwe-Ruva confluence		18° 25' 00" S 32° 47' 00" E	
Quaggas Hoek (Farm), Mutare		19° 34' 00" S 32° 45' 00" E	
Quagg's Hoek, Mutare		19° 34' 00" S 32° 45' 00" E	
Rhodes Inyanga National Park (see also: Inyanga National Park, Rhodes Inyanga Nature Park, Rhodes Nyanga Nature Park)		18° 17' 00" S 32° 48' 00" E	
Fort Cottage	ca.	18° 15' 25" S 32° 44' 37" E	
Rhodes Inyanga Nature Park (see Rhodes Inyanga National Park)		18° 17' 00" S 32° 48' 00" E	
Rhodes Nyanga Nature Park (see Rhodes Inyanga National Park)		18° 17' 00" S 32° 48' 00" E	
Rupisi Hot Spring, Save River		19° 19' 00" S 32° 29' 00" E	
Rusito Forest, Rusito river, 20 km SE Melsetter (see also: Melsetter, 20 km SE)		20° 02' 00" S 32° 59' 00" E	
Selenda, mount (see also: Selinda, mount, Silinda, mount)		20° 24' 00" S 32° 42' 00" E	
Selinda, Melsetter district		20° 52' 30" S 32° 52' 30" E	
Selinda, mount (see Selenda, mount)		20° 24' 00" S 32° 43' 00" E	
Shinda Estates, Banti (see also: Shinda Farm)		19° 21' 00" S 32° 45' 00" E	
Shinda Farm (see Shinda Estates), Banti		19° 21' 00" S 32° 45' 00" E	
Silinda, mount (see Selenda, mount)		20° 24' 00" S 32° 42' 00" E	
Strickland Lodge, Mutare		18° 52' 00" S 32° 37' 00" E	
Toronto, Mutare		18° 54' 00" S 32° 30' 00" E	
Tsungwesi Guano Cave, Mutare		19° 07' 00" S 32° 07' 00" E	
Umtali (see Mutare)		18° 58' 29" S 32° 39' 20" E	1094 m
Umtali Old mine (see Mutare), Umtali		18° 58' 29" S 32° 39' 20" E	1094 m
Umtali, 10 mi [=16 km] from (see Mutare, 10 mi [=16 km] from), on Vumba road		19° 06' 46" S 32° 45' 45" E	
Umtali, 3 mi [=4.8 km] from (see Mutare, 3 mi [=4.8 km] from), on Uumbra road	ca.	19° 06' 46" S 32° 45' 45" E	
Vumba (see Vumba hotel)		19° 07' 00" S 32° 44' 00" E	
Vumba hotel (see also: Vumba)		19° 07' 00" S 32° 44' 00" E	
Vumba National Park (see also: Manchester Gardens, Manchester National Park)		19° 05' 00" S 32° 45' 00" E	
Wildwood Sanctuary, Vumba	ca.	19° 05' 00" S 32° 45' 00" E	
Mashonaland Central province			
Ada Estates, Muzarabani		16° 22' 30" S 31° 07' 30" E	
Bindura (see also: Bindura Town, Kimberley Reefs)		17° 17' 47" S 31° 19' 47" E	1070 m
Bindura Town (see Bindura)		17° 17' 47" S 31° 19' 47" E	1070 m
Chikupu caves (see Chikupo cave), 10 km SSW Bindura		17° 23' 00" S 31° 17' 00" E	
Chimanda CL (see Chimanda Tribal Trust Land), Mazoe River		16° 40' 00" S 32° 15' 00" E	
Chimanda Reserve (see Chimanda Tribal Trust Land), Mazoe River		16° 40' 00" S 32° 15' 00" E	
Chimanda Tribal Trust Land, Mazoe River (see also: Chimanda CL, Chimanda Reserve)		16° 40' 00" S 32° 15' 00" E	
Chiwore Safari Area		16° 07' 30" S 30° 07' 30" E	
Dinosaur Trackway		16° 07' 30" S 30° 07' 30" E	
Dawsons (see Mvurwi), Nyamunyeche		17° 02' 00" S 30° 51' 00" E	1451 m
Frogmore, Mashona		17° 06' 00" S 30° 59' 00" E	
Gurungwe (Farm)		16° 44' 31" S 30° 49' 48" E	
Harare, 20 mi [=32 km] N (see Henderson Research Station)		17° 37' 12" S 30° 52' 12" E	
Henderson Research Station, 20 mi [=32 km] N Salisbury (see also: Harare, 20 mi [=32 km] N, Salisbury, 20 mi [=32 km] N)		17° 37' 12" S 30° 52' 12" E	
Hoya River Camp, Muzarabani Communal Land		16° 27' 00" S 31° 29' 00" E	
Iron Mask Hills cave, Mazowe		17° 03' 42" S 30° 57' 48" E	
Kanyemba		15° 42' 00" S 30° 19' 00" E	497 m
Kimberley Reefs (see Bindura)		17° 17' 47" S 31° 19' 47" E	1070 m

Lomagundi, Urungu river		16° 00' 00" S 30° 15' 00" E	
Manyima River		16° 03' 00" S 30° 21' 00" E	
Mashunga Hande Dam, Katchuta, Mangula		16° 19' 00" S 30° 26' 00" E	
Masingwa River		16° 10' 00" S 31° 30' 00" E	
(see also: Musingwa River)			
Mazoe Citrus Estate (see Mazoe Citrus School)		17° 27' 19" S 31° 01' 52" E	
Mazoe Citrus School		17° 27' 19" S 31° 01' 52" E	
(see also: Mazoe Citrus Estate)			
Msitive and Mtoroshanga rivers, confluence		16° 52' 30" S 30° 37' 30" E	
Musengezi river		16° 15' 00" S 30° 45' 00" E	
Musengezi river confluence		16° 15' 00" S 30° 45' 00" E	
Musingwa River (see Masingwa River)		16° 10' 00" S 31° 30' 00" E	
Muzarabani Clinic		16° 22' 30" S 30° 52' 30" E	
Mvurwi, Nyamunyeche		17° 02' 00" S 30° 51' 00" E	1451 m
(see also: Dawsons, Umvukwes)			
Penrose Farm		17° 02' 00" S 30° 51' 00" E	
Salisbury, 20 mi [=32 km] N (see Henderson Research Station)		17° 37' 12" S 30° 52' 12" E	
Sohwe River		16° 37' 00" S 30° 52' 00" E	
Umvukwes (see Mvurwi), Nyamunyeche		17° 02' 00" S 30° 51' 00" E	1451 m
Viro Hill		16° 22' 30" S 30° 37' 30" E	
Mashonaland East province			
Chikupo cave, 19 km W		17° 24' 00" S 31° 19' 00" E	
Chindamore Native Reserve (see Masembura Tribal Trust Land)		17° 25' 00" S 31° 15' 00" E	
Concession, 10 km NW	ca.	17° 23' 00" S 30° 57' 00" E	
Dawn Hill Mine, Mwenezi		17° 49' 07" S 31° 07' 01" E	
Eirene farm, S of Marondera		18° 23' 00" S 31° 37' 00" E	
(see also: Irene Farm)			
Eirene farm (see Marondera)		18° 11' 00" S 31° 33' 00" E	1688 m
Gem Tree Ranch, Que-Que, Rhodesdale	ca.	18° 55' 00" S 30° 50' 00" E	
(see also: Sebakwe River)			
Helensvale		17° 43' 45" S 31° 08' 42" E	1366 m
Irene Farm (see Eirene farm), S of Marandellas		18° 23' 00" S 31° 37' 00" E	
Kama Zuma township		17° 50' 00" S 31° 03' 00" E	
Kambuzuma Township		17° 51' 16" S 30° 58' 02" E	1444 m
Kingsway, Salisbury		17° 49' 00" S 31° 03' 00" E	ca. 1481 m
Kudzwe dam		16° 47' 00" S 32° 31' 00" E	
Kudzwe river, near		16° 47' 00" S 32° 31' 00" E	
Marandellas (see Marondera)		18° 11' 00" S 31° 33' 00" E	1688 m
Marandellas, near	ca.	18° 11' 00" S 31° 33' 00" E	
Marondera		18° 11' 00" S 31° 33' 00" E	1688 m
(see also: Eirene farm, Marandellas)			
Marymount mission, Bopoma gorge		16° 40' 00" S 32° 26' 00" E	
Masembura Native Reserve (see Masembura Tribal Trust Land)		17° 25' 00" S 31° 15' 00" E	
Masembura Tribal Trust Land		17° 25' 00" S 31° 15' 00" E	
(see also: Chindamore Native Reserve, Masembura Native Reserve)			
Bindura, 10 km SSW (see Chikupo cave)		17° 23' 00" S 31° 17' 00" E	
Chikupo cave, 10 km SSW Bindura		17° 23' 00" S 31° 17' 00" E	
(see also: Bindura, 10 km SSW, Chikupo caves area, Chikupu caves)			
Chikupo caves area (see Chikupo cave)		17° 35' 00" S 31° 35' 00" E	
Mazoe (see Mazowe)		17° 31' 00" S 30° 58' 00" E	1231 m
Mazowe		17° 31' 00" S 30° 58' 00" E	1231 m
(see also: Mazoe)			
Nyadiri River, Mutoko Communal Land		17° 04' 00" S 32° 07' 00" E	
Nyadiri River, near bridge		17° 08' 00" S 32° 08' 00" E	
Nyandia Dam, Mutoko Communal Land		17° 05' 00" S 32° 08' 00" E	
Nyashato Dam, Ngarwe Communal Land		17° 07' 00" S 32° 07' 00" E	
Sebakwe River (see Gem Tree Ranch), Que-Que, Rhodesdale, Gem Tree Ranch	ca.	18° 55' 00" S 30° 50' 00" E	
Umfuli River	ca.	18° 22' 26" S 31° 09' 14" E	
Wessex Farm Ruwa		17° 53' 27" S 31° 14' 42" E	
Mashonaland West province			
Alaska Mine, 10 mi [=16 km] N (see Manyambara)		17° 00' 00" S 29° 30' 00" E	
Angwa bridge, 7 km SW		17° 15' 00" S 30° 00' 00" E	
Atlantica Ecological Research Station		17° 53' 00" S 30° 47' 00" E	
Baruka cave, 10 mi [=16 km] N(W) Sinoia		17° 22' 12" S 30° 04' 48" E	
(see also: Chinhoyi, 10 mi [=16 km] N(W), Orchid cave, Sinoia, 10 mi [=16 km] N(W))			
Bashungwe Cave, Chinhoyi		17° 12' 00" S 29° 13' 00" E	
(see also: Bashungwi Cave, Zemaiwi Cave)			
Bashungwi Cave (see Bashungwe Cave), Chinhoyi		17° 12' 00" S 29° 13' 00" E	
Chewore/Zambezi Confluence		15° 37' 30" S 29° 52' 30" E	

Chinhoyi, 70 mi W Salisbury (see also: Chinoyi, Sinoia)		17° 22' 00" S 30° 12' 00" E	1186 m
Chinhoyi Caves, Chinhoyi (see also: Chinoyi Caves, Orchid Cave, Sinoia Caves)		17° 22' 00" S 30° 12' 00" E	1186 m
Chinhoyi, 10 mi [=16 km] N(W) (see Baruka cave)		17° 22' 12" S 30° 04' 48" E	
Chinoyi (see Chinhoyi)		17° 22' 00" S 30° 12' 00" E	1186 m
Chinoyi Caves (see Chinhoyi Caves)		17° 22' 00" S 30° 12' 00" E	1186 m
Collins Farm, near Atlantica Ecological Research Station	ca.	17° 53' 00" S 30° 47' 00" E	
Dichwe [river]		16° 50' 00" S 30° 28' 00" E	
Frog Mine, Mupfure [=Umfuli] River		17° 55' 00" S 29° 50' 00" E	
Gatshe Gatshe Bay, Lake Kariba		16° 52' 00" S 28° 52' 00" E	
Harare, 25 km W (see Lion and Cheetah Park)		17° 23' 00" S 31° 17' 00" E	
Harare, 26 km W (see Kilworth Estate)		17° 50' 00" S 30° 47' 00" E	
Harare, 70 mi [=113 km] W		17° 22' 00" S 30° 12' 00" E	1186 m
Hunyani Dam	ca.	17° 53' 00" S 30° 46' 00" E	
Kariba		16° 31' 00" S 28° 48' 00" E	618 m
Kariba, 6 km E		16° 32' 00" S 28° 52' 00" E	
Kariba, island in lake		16° 52' 30" S 28° 22' 30" E	
Kariba, lake		16° 52' 00" S 28° 22' 00" E	
Karoi (see also: Karoyi)		16° 49' 00" S 29° 41' 00" E	1285 m
Karoyi (see Karoi)		16° 49' 00" S 29° 41' 00" E	1285 m
Kaukua Cave, Chinhoyi		17° 01' 01" S 30° 05' 00" E	
Kilworth Estate, 26 km W Salisbury (see also: Harare, 26 km W, Lake McIlwaine, 2 mi [=3.2 km] N, McIlwaine, 2 mi [=3.2 km] N of Lake, Rusper Farm, Salisbury, 26 km W)		17° 50' 00" S 30° 47' 00" E	
Lake McIlwaine, 2 mi [=3.2 km] N (see Kilworth Estate)		17° 50' 00" S 30° 47' 00" E	
Lake McIlwaine (see McIlwaine, lake), Harare		17° 54' 00" S 30° 47' 00" E	
Lion and Cheetah Park, 25 km W Harare (see also: Harare, 25 km W)		17° 23' 00" S 31° 17' 00" E	
Mana Pools Game Reserve (see Mana Pools Parks and Wildlife Land)		15° 44' 00" S 29° 21' 00" E	365 m
Mana Pools National Park (see Mana Pools Parks and Wildlife Land)		15° 44' 00" S 29° 21' 00" E	365 m
Mana Pools Parks and Wildlife Land (see also: Mana Pools Game Reserve, Mana Pools National Park)		15° 44' 00" S 29° 21' 00" E	365 m
Mana Pools Camp (see Nyamepi Camp)		15° 43' 00" S 29° 22' 00" E	
Mana Pools National Park, HQ		15° 43' 00" S 29° 10' 00" E	
Mondo River, S boundary			
Nyamepi Camp (see also: Mana Pools Camp)		15° 43' 00" S 29° 22' 00" E	
Rukameshi River on SN Game Fence		15° 43' 00" S 29° 25' 00" E	
Manyambara, 10 mi [=16 km] N Alaska Mine (see also: Alaska Mine, 10 mi [=16 km] N)		17° 00' 00" S 29° 30' 00" E	
Matusadona, Tashinga		16° 52' 30" S 28° 22' 30" E	
Matusadona National Park, Nyanumi River		16° 52' 30" S 28° 37' 30" E	
Dumbu Pan		16° 52' 00" S 28° 22' 00" E	
Kanjedza River		16° 52' 30" S 28° 37' 30" E	
Nyanumi River		16° 52' 30" S 28° 37' 30" E	
Sanyati West		16° 52' 30" S 28° 37' 30" E	
Sanyati West Camp		16° 37' 30" S 28° 37' 30" E	
Tashinga		16° 52' 00" S 28° 22' 00" E	
McIlwaine, 2 mi [=3.2 km] N of Lake (see Kilworth Estate)		17° 50' 00" S 30° 47' 00" E	
McIlwaine, lake, Harare (see also: Lake McIlwaine)		17° 54' 00" S 30° 47' 00" E	
Miami, 4 mi [=6.4 km] E		16° 40' 00" S 29° 49' 00" E	
Mopane Bay, Lake Kariba		16° 37' 30" S 28° 52' 30" E	
Nyanyana campsite, Lake Kariba		16° 32' 00" S 28° 53' 00" E	
Orchid Cave (see Chinhoyi Caves)		17° 22' 00" S 30° 12' 00" E	1186 m
Orchid cave (see Baruka cave), 10 mi [=16 km] N(W) Sinoia		17° 22' 12" S 30° 04' 48" E	
Rainham [Farm], Salisbury		17° 46' 00" S 30° 53' 00" E	
Rusper Farm (see Kilworth Estate)		17° 50' 00" S 30° 47' 00" E	
Salisbury, 26 km W (see Kilworth Estate)		17° 50' 00" S 30° 47' 00" E	
Salisbury, 70 mi [=113 km] W		17° 22' 00" S 30° 12' 00" E	1186 m
Sinoia (see Chinhoyi)		17° 22' 00" S 30° 12' 00" E	1186 m
Sinoia Caves (see Chinhoyi Caves)		17° 22' 00" S 30° 12' 00" E	1186 m
Sinoia, 10 mi [=16 km] N(W) (see Baruka cave)		17° 22' 12" S 30° 04' 48" E	
Victory Cave, Chinoyi		17° 07' 30" S 30° 07' 30" E	
Zambesi-Chewore junction (see Zambezi-Cherowe Junction)		15° 38' 00" S 29° 54' 00" E	

Zambezi-Cherowe Junction (see also: Zambesi-Chewore junction)		15° 38' 00" S 29° 54' 00" E	
Zemaiwi Cave (see Bashungwe Cave), Chinhoyi		17° 12' 00" S 29° 13' 00" E	
Masvingo province			
Bezwe river, tributary of Wanetsi River		21° 30' 00" S 31° 10' 01" E	
Bikita		20° 05' 00" S 31° 37' 00" E	986 m
Birchenough Bridge, 8.2 km E	ca.	19° 57' 58" S 32° 24' 25" E	
Buffalo Bend		21° 56' 00" S 31° 29' 00" E	
Chikwarakwara [school] (see also: Chikwarakwara Irrigation Scheme)		22° 18' 00" S 31° 06' 00" E	
Chikwarakwara Irrigation Scheme (see Chikwarakwara [school])		22° 18' 00" S 31° 06' 00" E	
Chipinda Pools		21° 18' 00" S 31° 56' 00" E	
Chipingayi Bridge, Save Valley		20° 07' 00" S 32° 22' 00" E	
Chiredzi, Buffalo Range		21° 03' 00" S 31° 40' 00" E	437 m
Chiredzi, 24 km E		21° 03' 00" S 31° 46' 00" E	
Dagati Pan		21° 07' 12" S 31° 52' 12" E	
Fort Victoria, 25 km SE (see Great Zimbabwe [ruins]), Fort Victoria, 25 km SE		20° 17' 00" S 30° 56' 00" E	
Fort Victoria, 32.2 km SE (see Retreat Farm)		20° 14' 00" S 31° 02' 00" E	
Garden Cave (see Great Zimbabwe [ruins])		20° 17' 00" S 30° 56' 00" E	
GonareZhou National Park (see Gona-Re-Zhou National Park), GonareZhou		21° 40' 00" S 31° 45' 00" E	
Gona-Re-Zhou National Park (see also: GonareZhou National Park, Gona-Re-Zhowe National Park)		21° 40' 00" S 31° 45' 00" E	
Chitove Tsetse Camp		21° 07' 30" S 32° 07' 30" E	
Guluene Corridor South		21° 52' 00" S 31° 52' 00" E	
Mabalanta Camp		21° 40' 00" S 31° 45' 00" E	
Mabalauta Camp		21° 56' 00" S 31° 28' 00" E	
Gona-Re-Zhowe National Park (see Gona-Re-Zhou National Park), GonareZhou		21° 40' 00" S 31° 45' 00" E	
Great Zimbabwe [ruins], 25 km SE Fort Victoria (see also: Fort Victoria, 25 km SE, Garden Cave, Zimbabwe Ruins)		20° 17' 00" S 30° 56' 00" E	
Gutu Mission		19° 39' 00" S 31° 13' 00" E	
Hippo Valley		21° 10' 00" S 31° 33' 00" E	
Humane Ranch		20° 31' 00" S 32° 16' 00" E	411 m
Kutanga Hippo V. Estates		21° 07' 30" S 31° 37' 30" E	
Kyle Dam Forest Reserve (see Kyle National Park)		20° 11' 00" S 31° 01' 00" E	
Kyle Dam Game Reserve (see Kyle National Park)		20° 11' 00" S 31° 01' 00" E	
Kyle Dam National Park (see Kyle National Park)		20° 11' 00" S 31° 01' 00" E	
Kyle Game Reserve (see Kyle National Park)		20° 11' 00" S 31° 01' 00" E	
Kyle National Park (see also: Kyle Dam Forest Reserve, Kyle Dam Game Reserve, Kyle Dam National Park, Kyle Game Reserve)		20° 11' 00" S 31° 01' 00" E	
Lone Star Ranch (see also: Malilangwe Conservancy)		21° 05' 00" S 31° 54' 00" E	
MacDougall's Tunnel (see Triangle Ranch)		21° 05' 00" S 31° 28' 00" E	
Malapati Game Reserve (see also: Malapati Safari Area)		21° 55' 49" S 31° 23' 46" E	
Malapati Nuanetsi River		22° 04' 00" S 31° 26' 00" E	
Malapati Safari Area (see Malapati Game Reserve)		21° 55' 49" S 31° 23' 46" E	
Malilangwe Conservancy (see Lone Star Ranch)		21° 05' 00" S 31° 54' 00" E	
Morgenster cave, near Great Zimbabwe ruins, 25 km SE Fort Victoria		20° 17' 00" S 30° 56' 00" E	
Morgenster Mission		20° 18' 41" S 30° 55' 49" E	
Mushandike National Park		20° 06' 00" S 30° 39' 00" E	
Matema Camp		20° 07' 00" S 30° 37' 00" E	
Netridge Farm, Calcite Cave		20° 08' 00" S 30° 47' 00" E	
Nuanetsi Dam (see Nungu Dam)	ca.	21° 16' 45" S 30° 36' 48" E	
Nuanetsi Ranch Headquarters		21° 30' 01" S 30° 47' 38" E	
Nuanetsi Ranch Headquarters, 1.6 km W		21° 30' 01" S 30° 47' 38" E	
Nuanetsi Ranch Headquarters, 18 km W		21° 29' 38" S 30° 37' 28" E	
Nuanetsi Ranch Headquarters, 26 km W (see Nungu Dam)	ca.	21° 16' 45" S 30° 36' 48" E	
Nungu Dam (see also: Nuanetsi Dam, Nuanetsi Ranch Headquarters, 26 km W)	ca.	21° 16' 45" S 30° 36' 48" E	
Retreat Farm, 32.2 km SE Fort Victoria (see also: Fort Victoria, 32.2 km SE)		20° 14' 00" S 31° 02' 00" E	
Sabi-Lundi confluence (see Sabi-Lundi junction)		21° 18' 00" S 32° 24' 00" E	
Sabi-Lundi junction (see also: Sabi-Lundi confluence)		21° 18' 00" S 32° 24' 00" E	
Sabi-Lundi River, S junction		21° 18' 00" S 32° 24' 00" E	

Triangle (see Triangle Ranch), Seaton 81		21° 05' 00" S 31° 28' 00" E	
Triangle Ranch, Seaton 81		21° 05' 00" S 31° 28' 00" E	
(see also: MacDougall's Tunnel, Triangle)			
Zimbabwe National Park		20° 18' 00" S 30° 57' 00" E	
Zimbabwe National Park, 4 mi [=7.2 km] S	ca.	20° 18' 00" S 30° 57' 00" E	
Zimbabwe Ruins (see Great Zimbabwe [ruins]), 25 km SE Fort Victoria		20° 17' 00" S 30° 56' 00" E	
Matebeleland North province			
(see also: Matabeleland North province)			
Amanza Tunqayo (see Victoria Falls), Dibutibu River, Batoka		17° 55' 00" S 25° 51' 00" E	
Batoka Gorge, Dibutibu River		17° 56' 00" S 26° 15' 00" E	
Benzies Bridge, Shangani River		18° 48' 00" S 27° 54' 00" E	
(see also: Benzie's Bridge)			
Benzie's Bridge (see Benzies Bridge), Shangani River		18° 48' 00" S 27° 54' 00" E	
Bubi district		19° 30' 00" S 28° 45' 00" E	
Bembesi		20° 00' 00" S 28° 45' 00" E	
Bulawayo, 20 km N			
Bumbusie Gorge		18° 37' 30" S 26° 07' 30" E	
Chete			
Chete Safari Area, Eastern Section		17° 22' 00" S 27° 37' 00" E	
Chino Timba (see Victoria Falls), Dibutibu River, Batoka		17° 55' 00" S 25° 51' 00" E	
Chizarira Game Reserve		17° 47' 00" S 27° 53' 00" E	
(see also: Chizarira National Park)			
Baruri Gorge		17° 37' 30" S 27° 52' 30" E	
Manzituba		17° 43' 00" S 27° 51' 00" E	
Mchesu River		17° 37' 30" S 27° 37' 30" E	
Chizarira National Park (see Chizarira Game Reserve)		17° 47' 00" S 27° 53' 00" E	
Chizarira-Mcheni Gorge		17° 36' 00" S 27° 50' 00" E	
Dahlia, 4 mi [=6.5 km] E, Gwaai river	ca.	18° 37' 40" S 27° 12' 49" E	
Dahlia, 5 mi [=8 km] W		18° 35' 00" S 27° 08' 00" E	914 m
Deka, Zambezi confluence		18° 05' 00" S 26° 38' 00" E	
Dete, Hwange Safari Lodge		18° 37' 00" S 26° 52' 00" E	914 m
(see also: Dett)			
Dett (see Dete)		18° 37' 00" S 26° 52' 00" E	914 m
Dett, 15 mi [=24 km] E (see Wankie Tribal Trust Land)		18° 10' 00" S 26° 45' 00" E	3000 ft
Falls road, 6 km W Gwai Bridge		18° 37' 00" S 27° 06' 00" E	
(see also: Gwai Bridge, 6 km W)			
Gourlay Ranch (see Gourlays Block), Lonely Mine		19° 17' 00" S 28° 40' 00" E	
Gourlays Block, Lonely Mine		19° 17' 00" S 28° 40' 00" E	
(see also: Gourlay Ranch)			
Gwai Bridge, 6 km W (see Falls road)		18° 37' 00" S 27° 06' 00" E	
Gwai Bridge, 6 km W on falls road		18° 37' 00" S 27° 06' 00" E	
Gwai River farms (see Volunteer farms), near Gwayi river		18° 45' 00" S 27° 20' 00" E	
Gwayi River, 1 km N		18° 37' 00" S 27° 10' 00" E	
Hwange (see Hwange National Park)		19° 10' 00" S 26° 30' 00" E	914 m
Hwange (see Wankie Tribal Trust Land), 15 mi E Dett		18° 10' 00" S 26° 45' 00" E	3000 ft
Gamu (see Ngamo Pans)		19° 08' 00" S 27° 27' 00" E	
Inyantue (see Inyantue Siding)		18° 33' 00" S 26° 40' 00" E	
Inyantue Siding		18° 33' 00" S 26° 40' 00" E	
(see also: Inyantue, Nyantue)			
Maduni Dumela		19° 10' 00" S 26° 30' 00" E	
Main Camp		18° 37' 30" S 26° 52' 30" E	
Makalowa			
Ngamo Pan (see Ngamo Pans)		19° 08' 00" S 27° 27' 00" E	
Ngamo Pans		19° 08' 00" S 27° 27' 00" E	
(see also: Gamu, Ngamo Pan)			
Ngweshla		19° 05' 00" S 27° 05' 00" E	
Nyantue (see Inyantue Siding)		18° 33' 00" S 26° 40' 00" E	
Hwange National Park		19° 10' 00" S 26° 30' 00" E	914 m
(see also: Hwange, Robins Game Reserve, Wankie Game Reserve, Wankie National Park)			
Kabuba Camp, Manjolo Communal Land		17° 56' 00" S 27° 39' 00" E	
Kana Block, Shangani River		18° 37' 00" S 27° 22' 00" E	
Kariba, lake		17° 07' 00" S 27° 52' 00" E	
Katombora Rapids		17° 51' 00" S 25° 24' 00" E	
Lusulu Tsetse Station, Sebungwe		18° 07' 00" S 27° 52' 00" E	
Matabeleland North province (see Matebeleland North province)			
Camp-Katembora	ca.	17° 51' 00" S 25° 27' 00" E	
Chamatema Dam	ca.	22° 20' 00" S 31° 06' 00" E	
Kandaha Fishing Camp		17° 51' 51" S 25° 46' 48" E	
Mcheni Gorge (see Mucheni Gorge)	ca.	17° 40' 00" S 27° 52' 00" E	

Mucheni Gorge (see also: Mcheni Gorge)	ca.	17° 40' 00" S 27° 52' 00" E	
Nampini [island]	ca.	17° 54' 46" S 25° 50' 53" E	
Singama		17° 36' 00" S 27° 51' 00" E	
Victoria Falls Bridge		17° 55' 42" S 25° 51' 26" E	
Westwood Lodge (see Westwood Ranch)		17° 55' 00" S 25° 32' 00" E	
Westwood Ranch (see also: Westwood Lodge, Westwood Vlei)		17° 55' 00" S 25° 32' 00" E	
Westwood Vlei (see Westwood Ranch)		17° 55' 00" S 25° 32' 00" E	
Matabeleland South province (see Matebeleland South province)			
Limpopo River	ca.	22° 18' 00" S 30° 40' 00" E	
Matetsi (see Matetsi Siding)		18° 16' 00" S 25° 56' 00" E	
Matetsi Siding (see also: Matetsi)		18° 16' 00" S 25° 56' 00" E	
Mosi oa Tunya (see Victoria Falls), Dibutibu River, Batoka		17° 55' 00" S 25° 51' 00" E	
Mosi-Oa-Toenja (see Victoria Falls), Dibutibu River, Batoka		17° 55' 00" S 25° 51' 00" E	
Nyamandhlovu (see also: Nyamandholovu)		19° 52' 00" S 28° 16' 00" E	1212 m
Nyamandholovu (see Nyamandhlovu)		19° 52' 00" S 28° 16' 00" E	1212 m
Robins Game Reserve (see Hwange National Park)		19° 10' 00" S 26° 30' 00" E	914 m
Victoria Falls, Dibutibu River, Batoka (see also: Amanza Tunqayo, Chino Timba , Mosi oa Tunya, Mosi-Oa-Toenja)		17° 55' 00" S 25° 51' 00" E	
Volunteer farms, near Gwayi river (see also: Gwai River farms)		18° 45' 00" S 27° 20' 00" E	
Wankie Game Reserve (see Hwange National Park)		19° 10' 00" S 26° 30' 00" E	914 m
Wankie National Park (see Hwange National Park)		19° 10' 00" S 26° 30' 00" E	914 m
Wankie Reserve (see Wankie Tribal Trust Land), 15 mi E Dett		18° 10' 00" S 26° 45' 00" E	3000 ft
Wankie Tribal Trust Land, 15 mi E Dett (see also: Dett, 15 mi [=24 km] E, Hwange, Wankie Reserve)		18° 10' 00" S 26° 45' 00" E	3000 ft
Zambesidal, Matabeleland	ca.	19° 00' 00" S 27° 00' 00" E	
Matebeleland South province (see also: Matabeleland South province)			
Bulawayo, 16 km S		20° 19' 00" S 28° 43' 00" E	
Colleen Bawn		21° 00' 00" S 29° 13' 00" E	964 m
Doddieburn Farm, West Nickolson		21° 28' 00" S 29° 24' 00" E	
Dwala Farm (see Dwala Ranch), Bubiana River		21° 05' 00" S 29° 43' 00" E	
Dwala Ranch, Bubiana River (see also: Dwala Farm)		21° 05' 00" S 29° 43' 00" E	
Esigodini, Falcon College (see also: Essexvale)		20° 18' 00" S 28° 56' 00" E	1183 m
Essexvale (see Esigodini)		20° 18' 00" S 28° 56' 00" E	1183 m
Filabusi, 22 km W (see Ingwe Mine)		20° 37' 00" S 29° 22' 00" E	
Fort Rixon, Makovani Estate		20° 01' 00" S 29° 16' 00" E	1337 m
Francis Town, 20 km N		21° 07' 00" S 27° 37' 00" E	
Gwanda (see also: Jawunda)		20° 56' 00" S 29° 00' 00" E	965 m
Mareppa Mine		19° 15' 00" S 27° 42' 00" E	
Happy Valley Farm, 16 km S Bulawayo		20° 17' 00" S 28° 41' 00" E	
Homestake [mine] (see The Homestead [mine]), Esigodini		20° 12' 00" S 28° 54' 00" E	
Homestead [mine] (see The Homestead [mine]), Esigodini		20° 12' 00" S 28° 54' 00" E	
Ingwe Mine, 22 km W Filabusi (see also: Filabusi, 22 km W)		20° 37' 00" S 29° 22' 00" E	
Ingwesi Farm, Syringa (see also: Ingwesi Ranch)		21° 02' 00" S 27° 58' 00" E	
Ingwesi Ranch (see Ingwesi Farm), Syringa		21° 02' 00" S 27° 58' 00" E	
Jawunda (see Gwanda)		20° 56' 00" S 29° 00' 00" E	965 m
Lanninghurst mine, 4 mi [=7.2 km] (W)NW Nicholson		21° 04' 00" S 29° 23' 00" E	
Limpopo Valley, Sentinal Ranch (see Limpopo Valley, Sentinel Ranch)		22° 07' 30" S 29° 22' 30" E	
Limpopo Valley, Sentinel Ranch (see also: Limpopo Valley, Sentinal Ranch)		22° 07' 30" S 29° 37' 30" E	
Lumane Falls, Matopo Hills		20° 37' 30" S 28° 52' 30" E	
Lunare valley, Eastern Matopos		20° 36' 00" S 28° 52' 00" E	
Maleme Valley, Matopo Hills		20° 50' 00" S 28° 43' 00" E	
Matobo National Park (see Rhodes Matopos Nature Park)		20° 33' 00" S 28° 33' 00" E	
Matombo (see Rhodes Matopos Nature Park)		20° 33' 00" S 28° 33' 00" E	
Matopo, Mtshabezi Valley		20° 25' 00" S 28° 29' 00" E	

Matopos, 6.5 mi [=10 km] S (see Mineral King Farm)	20° 29' 33" S 28° 27' 05" E	
Mineral King Farm, 6.5 mi [=10 km] S Matopos (see also: Matopos, 6.5 mi [=10 km] S)	20° 29' 33" S 28° 27' 05" E	
Mtshavezi valley, Eastern Matopos	20° 36' 00" S 28° 52' 00" E	
Peak Asbestos Mine, Mberengwa (see also: Peak Mine)	20° 40' 00" S 29° 50' 00" E	
Peak Mine (see Peak Asbestos Mine), Mberengwa	20° 40' 00" S 29° 50' 00" E	
Redrups Kop Mine, Bulawayo	20° 17' 00" S 28° 40' 00" E	
Redrups Kop Mine, Bulawayo	20° 17' 00" S 28° 40' 00" E	
Rhodes Matopos Nature Park (see also: Matobo National Park, Matombo)	20° 33' 00" S 28° 33' 00" E	
Gordon Park	20° 28' 00" S 28° 32' 00" E	
Sentinal Ranch, Limpopo river (see also: Sentinel Ranch)	22° 10' 10" S 29° 30' 20" E	
Sentinel Ranch (see Sentinal Ranch), Limpopo river; Tongani river	22° 10' 10" S 29° 30' 20" E	
Shashe [river] (see also: Shashi [river])	22° 12' 00" S 29° 21' 00" E	
Shashi [river] (see Shashe [river])	22° 12' 00" S 29° 21' 00" E	
The Homestead [mine], Esigodini (see also: Homestake [mine], Homestead [mine])	20° 12' 00" S 28° 54' 00" E	
Tuli Camp	21° 54' 00" S 29° 13' 00" E	
Wallaby Claims, Filabusi	20° 33' 00" S 29° 15' 00" E	
West Nicholson	21° 04' 00" S 29° 22' 00" E	819 m
Willow Park, Esigodini	20° 22' 30" S 28° 52' 30" E	
Mavuradona, on Tingwa River		
Midlands province		
Buchwa Iron Mine	20° 28' 12" S 30° 09' 00" E	
Chimsoro Cave (see Munyati)	18° 39' 00" S 29° 47' 00" E	1064 m
Chirisa Game Reserve (see also: Chirisa Safari Area)	17° 55' 00" S 28° 15' 00" E	
Chirisa Cave (see Chitisa Cave)	17° 41' 00" S 28° 24' 00" E	
Chitisa Cave (see also: Chirisa Cave)	17° 41' 00" S 28° 24' 00" E	
Magurazino River	17° 45' 00" S 28° 27' 00" E	
Chirisa Safari Area (see Chirisa Game Reserve)	17° 55' 00" S 28° 15' 00" E	
Chivi Communal Land (see Chivi District)	20° 30' 00" S 30° 35' 00" E	
Chivi District (see also: Chivi Communal Land)	20° 30' 00" S 30° 35' 00" E	
Churugwi (see Shurugwi)	19° 40' 00" S 30° 00' 00" E	1501 m
Cotswold farm, near Kwe Kwe	18° 52' 30" S 29° 52' 30" E	
Fairfield park, Uvumba	19° 23' 00" S 30° 32' 00" E	
Gokwe	18° 13' 00" S 28° 56' 47" E	
Gokwe, 75 km W (see Sengwa Wildlife Research Area)	18° 10' 00" S 28° 13' 00" E	
Gwelo (see Gweru)	19° 27' 00" S 29° 49' 00" E	
Gweru (see also: Gwelo)	19° 27' 00" S 29° 49' 00" E	
Driefontein	19° 28' 00" S 29° 45' 00" E	
Hostes Nicoll Research Institute (see also: Hostes Nicolle Institute, Hostes Nicolle Institute of Wildlife Research)	18° 10' 00" S 28° 13' 00" E	
Hostes Nicolle Institute (see Hostes Nicoll Research Institute)	18° 10' 00" S 28° 13' 00" E	
Hostes Nicolle Institute of Wildlife Research (see Hostes Nicoll Research Institute)	18° 10' 00" S 28° 13' 00" E	
Mabura 1 Cave (see Ngondoma), Ngondoma River	18° 28' 00" S 29° 03' 00" E	
Mabura 2 Cave, Gokwe CL, Munyati River	18° 07' 00" S 29° 22' 00" E	
Mberengwa Mountain	20° 37' 30" S 29° 52' 30" E	
Munyati (see also: Chimsoro Cave, Rhino Cave, Sanyati)	18° 39' 00" S 29° 47' 00" E	1064 m
Ngondoma (see also: Mabura 1 Cave)	18° 28' 00" S 29° 03' 00" E	
Rhino Cave (see Munyati)	18° 39' 00" S 29° 47' 00" E	1064 m
Rifle Range, Kwe Kwe	18° 52' 30" S 29° 52' 30" E	
Salukwe (see Shurugwi)	19° 40' 00" S 30° 00' 00" E	1501 m
Sanyati (see Munyati)	18° 39' 00" S 29° 47' 00" E	1064 m
Selukwe (see Shurugwi)	19° 40' 00" S 30° 00' 00" E	1501 m
Sengwa Wildlife area (see Sengwa Wildlife Research Area), 75 km W Gokwe	18° 10' 00" S 28° 13' 00" E	
Sengwa Wildlife Research Area, 75 km W Gokwe (see also: Gokwe, 75 km W, Sengwa Wildlife area, Sengwa Wildlife Research Ranch, Sengwa Wildlife Research Station, Sengwe, Sengwe Wildlife Research Area)	18° 10' 00" S 28° 13' 00" E	

Hostes Nicolle Institute, near, Sebungwe; Sengwa river		18° 09' 00" S 28° 12' 00" E	
Lutope and Sengwa Rivers confluence, Sengwe	ca.	18° 10' 00" S 28° 13' 00" E	
Sengwa Wildlife Research Ranch (see Sengwa Wildlife Research Area), 75 km W Gokwe		18° 10' 00" S 28° 13' 00" E	
Sengwa Wildlife Research Station (see Sengwa Wildlife Research Area), 75 km W Gokwe		18° 10' 00" S 28° 13' 00" E	
Sengwe (see Sengwa Wildlife Research Area)		18° 10' 00" S 28° 13' 00" E	
Sengwe Wildlife Research Area (see Sengwa Wildlife Research Area)		18° 10' 00" S 28° 13' 00" E	
Shurugwi, Lucilia Port (see also: Churugwi, Salukwe, Selukwe)		19° 40' 00" S 30° 00' 00" E	1501 m
Muzvezve Communal Land			
N'dola			
Norton, 18 mi W			
Nwanetsi			
Penalice Farm			
Shamva, 48 km NE, on Mazoe river			
Sinela caves			
Tanganda Bridge, Chipinge		20° 09' 00" S 32° 21' 00" E	
Tetse fly gate, Kariba district, Kanyati Communial land, 5 km NNW Chibero (see also: Chibero, 5 km NNW)			
Triumph mine, Lomagundi; near Lake McIlwaine (see also: Trumph Mine)			
Trumph Mine (see Triumph mine), Lake McIlwane, near			
Zimbabwe Mine			
Asia			
Iran			
Chah Moslem, Persian Gulf and Sea of Oman Coastal	ca.	26° 44' 00" N 54° 35' 00" E	
Fars province			
Shiraz		29° 36' 00" N 52° 32' 00" E	4750 ft
Shush			
Masjed-I-Soleyman			
Shush		32° 11' 00" N 41° 50' 00" E	500 ft
Israel			
Eilat, 40 km N (see Wadi Araba)		29° 51' 00" N 35° 04' 00" E	
Wadi Araba (see also: Eilat, 40 km N, Yotwata)			
Yotwata (see Wadi Araba), 40 km N Eilat		29° 51' 00" N 35° 04' 00" E	
Oman			
Al Hazm, near Rostaq			
Wadi Nahiz, Sahour Cave		17° 06' 09" N 54° 09' 37" E	
Palestine			
West Bank			
Saudi Arabia			
Al Muwayli?, Red Sea Coast (see also: Al-Mweleh, Al-Mwêle?, Mawaila, Mohila, Mowila)		27° 41' 00" N 35° 28' 00" E	0 m
Al-Mweleh (see Al Muwayli?), Red Sea Coast		27° 41' 00" N 35° 28' 00" E	0 m
Al-Mwêle? (see Al Muwayli?), Red Sea Coast		27° 41' 00" N 35° 28' 00" E	0 m
Dhahran			
Mawaila (see Al Muwayli?), Red Sea Coast		27° 41' 00" N 35° 28' 00" E	0 m
Mohila (see Al Muwayli?), Red Sea Coast		27° 41' 00" N 35° 28' 00" E	0 m
Mowila (see Al Muwayli?), Red Sea Coast		27° 41' 00" N 35° 28' 00" E	0 m
Yemen			
Dolondolo			
Europe			
Crete			
Mount Gova			
Italy			
Pisa		43° 43' 00" N 10° 24' 00" E	
Sicily			
Malta			
Spain			
Valencia			
Foyos		39° 32' 00" N 0° 21' 00" W	11 m
Gbarnga, Cuttington University College		7° 02' 24" N 9° 33' 15" W	

Appendix 9b: General Alphabetical Gazetteer

In this gazetteer the localities are presented in an alphabetical order, independent of any higher division.

"Bissao Senegambia"	Guinea-Bissau			
"British East Africa" (see Kenya)	"British East Africa"			
"Cape of Good Hope" (see also: "Kaap Goede Hoop")	South Africa			
"Congo"	"Congo"			
"Dahomey" (see Benin)	"Dahomey"			
"Egypt or Sudan"	"Egypt or Sudan"			
"Gabon"				
"Gabon"	"Gabon"			
"Haute Volta" (see Burkina Faso)	"Haute Volta"			
"Kaap Goede Hoop" (see "Cape of Good Hope")	South Africa			
"Laisam id., Isido district" (see Laisiamis)	Kenya		1° 36' 00" N 37° 48' 00" E	568 m
"Lobito Voay"	"Lobito Voay"			
"Mosambiro", but actually Usambiro	Tanzania			
"Onmeetbare" cave (see Bredasdorp)	South Africa		34° 32' 00" S 20° 02' 00" E	114 m
"piste de Lamtu"	Côte d'Ivoire			
"Planet Earth"				
"probably cate est"	Madagascar			
"Senegal or Mauritania"	"Senegal or Mauritania"			
"Tor Sinai" (see At Tur)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
(Courrier de) Humpata	Angola			
[Southern Africa]	[Southern Africa]			
‘Ayn az Zarqa’ (see also: Ain Az Zarqa, Ain Zérga)	Libya		31° 55' 27" N 12° 00' 52" E	
18 Montagnes (former) region (see Dix-Huit Monagnes (former) region)	Côte d'Ivoire			
2002 RAP Site 1	Guinea		8° 31' 52" N 8° 54' 21" W	1350 m
2002 RAP Site 2	Guinea		8° 31' 29" N 8° 56' 12" W	600 m
5th cataract of the Nile (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
A'aliPC:UN|)	South Sudan			
Aandster, Farm 147 (see Farm Aandster 147)	Namibia		25° 23' 00" S 16° 04' 00" E	
Aasvogelrand-Oost, Farm 291 (see Farm Aasvogelrand-Oost 291), Vredefort	South Africa		26° 52' 00" S 27° 22' 00" E	
Aba	Congo (Democratic Republic of the)		3° 52' 00" N 30° 14' 00" E	890 m
Abadla	Algeria		31° 01' 00" N 2° 44' 00" W	588 m
Abala (see Abela)	Ethiopia		6° 42' 00" N 37° 53' 00" E	1481 m
Abanase (see Avetile)	Ghana		6° 32' 00" N 0° 14' 00" E	307 m
Abanasi (see Avetile)	Ghana		6° 32' 00" N 0° 14' 00" E	307 m
Abatupi river (see also: Amatupi river)	Congo (Democratic Republic of the)		0° 45' 00" N 29° 49' 00" E	700 m
Abaya, lake	Ethiopia		6° 15' 00" N 37° 55' 00" E	
Abaya, lake, West bank	Ethiopia		6° 13' 00" N 37° 49' 00" E	
Abaya, W coast lake	Ethiopia		6° 13' 00" N 37° 49' 00" E	
Abbasieh (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
'Abbâsîya (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
'Abbasiyah (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
'Abbâsîyeh (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
Abbassia (see also: Abbasieh, 'Abbâsîya, 'Abbasiyah, 'Abbâsîyeh, Al 'Abbasiyah, El 'Abbasiya)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
Abbotsbury, 27.5 km N, 6 km E Graaff-Reinet (see also: Graaff-Reinet, 27.5 km N, 6 km E)	South Africa		32° 00' 14" S 24° 31' 08" E	1300 m
Abbotsford	South Africa		32° 57' 45" S 27° 55' 00" E	20 m
Abe Baily Nature Reserve (see Farm Wonderfontein 103IQ), Caltonville	South Africa		26° 18' 00" S 27° 24' 00" E	
Abela (see also: Abala, Abella)	Ethiopia		6° 42' 00" N 37° 53' 00" E	1481 m
Abella (see Abela)	Ethiopia		6° 42' 00" N 37° 53' 00" E	1481 m
Abengourou	Côte d'Ivoire		6° 43' 47" N 3° 29' 47" W	204 m
Abengourou department	Côte d'Ivoire	ca.	6° 35' 00" N 3° 25' 00" W	
Abenguru (see Abenguru) (see also: Abenguru)	Côte d'Ivoire		6° 43' 47" N 3° 29' 47" W	204 m
Abeokuta	Nigeria		7° 09' 00" N 3° 21' 00" E	66 m
Abercorn (see Mbala)	Zambia		8° 50' 00" S 31° 23' 00" E	1656 m
Aberdare mountains (see also: Aberdare range, Aberdares, Osufuko Lerego)	Kenya		0° 23' 08" S 36° 38' 08" E	
Aberdare range (see Aberdare mountains)	Kenya		0° 23' 08" S 36° 38' 08" E	
Aberdares (see Aberdare mountains)	Kenya		0° 23' 08" S 36° 38' 08" E	
Aberdeen district (see Cacadu district)	South Africa			
Aberdeen Village, 14 km from Freetown (see also: Freetown, 14 km from)	Sierra Leone		8° 29' 33" N 13° 17' 04" W	0 m
Abes (see Gabès), Qabis province	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Abetife (see Abetifi)	Ghana		6° 40' 00" N 0° 45' 00" W	552 m

Abetifi	Ghana		6° 40' 00" N 0° 45' 00" W	552 m
(see also: Abetife)				
Abia (see Mateanong)	Lesotho		29° 21' 00" S 29° 13' 00" E	
Abialosa river	Congo (Democratic Republic of the)		0° 42' 00" N 29° 41' 00" E	800 m
Abiata, lake (see Abiyata Hayk')	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
Abiata, lake, E coast	Ethiopia		7° 34' 00" N 38° 39' 00" E	
Abidan (see Abidjan)	Côte d'Ivoire		5° 20' 28" N 4° 01' 41" W	74 m
Abidjan	Côte d'Ivoire		5° 20' 28" N 4° 01' 41" W	74 m
(see also: Abidan)				
Abidjan department	Côte d'Ivoire			
Abidjan district	Côte d'Ivoire			
Abidjan Plateau	Côte d'Ivoire			
Abidjan region	Côte d'Ivoire			
Abidjan, 15 km NW	Côte d'Ivoire	ca.	5° 21' 00" N 4° 05' 00" W	
Abidjan, 17 km W	Côte d'Ivoire	ca.	5° 21' 00" N 4° 05' 00" W	
Abijata, lake (see Abiyata Hayk')	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
Abila (see Jebel Moussa)	Morocco		35° 53' 52" N 5° 24' 44" W	
Abim district	Uganda			
Abimva	Congo (Democratic Republic of the)		3° 09' 00" N 29° 46' 00" E	1100 m
Abiy No. 3, 0.5 km S, near Gambela	Ethiopia	ca.	8° 12' 00" N 35° 20' 00" E	1364 m
Abiyacula, near Lalibela	Ethiopia	ca.	12° 02' 00" N 39° 03' 00" E	
Abiyata Hayk'	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
(see also: Abiata, lake, Abijata, lake, Hora Abaita, Hora Abgiata , Hora Abgiate , Hora Abyata, Lago Abeita , Lake Abiata, Lake Abijata, Lake Abiyata)				
Abo, Lower Niger river	Nigeria			
Abodomasi (see Bodomasi), 58 km from Ksi	Ghana		6° 53' 37" N 1° 15' 19" W	369 m
Abokobi	Ghana		5° 44' 00" N 0° 12' 00" W	70 m
Abol (see Oboul), on Ghilo river	Ethiopia		7° 42' 00" N 34° 06' 00" E	313 m
Abonisi, Aã'Isoc	Equatorial Guinea			
Abonnema	Nigeria			
Abore	Ethiopia		4° 40' 00" N 36° 45' 00" E	
Abore, lake	Ethiopia		4° 40' 00" N 36° 45' 00" E	
(see also: Lake Abore)				
Aboulou, 8 km SW Akoabas	Cameroon		2° 18' 00" N 12° 04' 00" E	572 m
Abu Doleb (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		9° 21' 35" N 31° 36' 03" E	276 m
Abu Ghaleb, 2 km N	Egypt	ca.	30° 16' 00" N 30° 56' 00" E	ca. 25 m
(see also: Abu Ghalib, 2 km N)				
Abu Ghalib, 2 km N (see Abu Ghaleb, 2 km N)	Egypt	ca.	30° 16' 00" N 30° 56' 00" E	ca. 25 m
Abu Kika	South Sudan	ca.	6° 55' 00" N 31° 00' 00" E	
(see also: Abukika)				
Abu Ra??al (see Bi'r Abu Ri?al)	Egypt		25° 00' 00" N 33° 28' 00" E	
Abu Rauwâsh (see Abu Rawwash), 5 mi NW Giza	Egypt		30° 02' 44" N 31° 05' 33" E	6 m
Abu Rawash (see Abu Rawwash), 5 mi NW Giza	Egypt		30° 02' 44" N 31° 05' 33" E	6 m
Abu Rawash, 2 km N	Egypt	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rawash, 5 km W	Egypt	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rawwash, 5 mi NW Giza	Egypt		30° 02' 44" N 31° 05' 33" E	6 m
(see also: Abu Rauwâsh, Abu Rawash, Abu Roash, Abu Ruwash, Aburoash, Ezbet Abu Rauwâsh, Ezbet Abu Roash, Giza, 5 mi [=8 km] NW)				
Abu Rawwash, 2 km N	Egypt	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rawwash, 5 km W	Egypt	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rihal, W of, 90 km E of Idfn Shalatein	Egypt	ca.	25° 00' 00" N 33° 28' 00" E	
Abu Roash (see Abu Rawwash), 5 mi NW Giza	Egypt		30° 02' 44" N 31° 05' 33" E	6 m
Abu Ruwash (see Abu Rawwash), 5 mi NW Giza	Egypt		30° 02' 44" N 31° 05' 33" E	6 m
Abu Sa'fa Springs (see Abu Sa'fah, Bi'r)	Egypt		23° 18' 24" N 34° 47' 51" E	
Abu Sa'fa, Bir (see Abu Sa'fah, Bi'r)	Egypt		23° 18' 24" N 34° 47' 51" E	
Abu Sa'fah, Bi'r	Egypt		23° 18' 24" N 34° 47' 51" E	
(see also: Abu Sa'fa Springs, Abu Sa'fa, Bir, Abu Saafa, Bir, Bir Abu Saafa)				
Abu Saafa, Bir (see Abu Sa'fah, Bi'r)	Egypt		23° 18' 24" N 34° 47' 51" E	
Abu Simbel (see Abu Sunbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Abu Simbel (see Abu Sunbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Abu Simbil (see Abu Sunbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Abu Sinbil (see Abu Sunbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Abu Sir	Egypt		29° 53' 00" N 31° 13' 00" E	73 m
Abu Sir	Egypt		29° 53' 00" N 31° 13' 00" E	73 m
Abu Sir cave, W bank, by rock at cave, ca 15 m above the river	Sudan	ca.	29° 53' 00" N 31° 13' 00" E	
Abu Sumbul (see Abu Sunbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m

Abu Sunbul (see also: Abu Simbel, Abu Simbel, Abu Simbil, Abu Sinbil, Abu Sumbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Abu Tiga Forest Reserve	Sudan		12° 46' 00" N 34° 09' 00" E	
Abu Zabad (see also: Abu Zawr)	Sudan		12° 21' 00" N 29° 15' 00" E	
Abu Zanimah, 18 km N, 4 km from sea (see also: Abu Zenima, 18 km N, Abu Zuneim, 18 km N, Aby Zniema, 18 km N)	Egypt		29° 02' 59" N 33° 06' 13" E	0 m
Abu Zawr (see Abu Zabad)	Sudan		12° 21' 00" N 29° 15' 00" E	
Abu Zayd (see also: Abu Zeid, Abu Zeid Wad Umm Balli, Abu Zeit)	Sudan		15° 04' 18" N 33° 23' 30" E	
Abu Zeid (see Abu Zayd)	Sudan		15° 04' 18" N 33° 23' 30" E	
Abu Zeid Wad Umm Balli (see Abu Zayd)	Sudan		15° 04' 18" N 33° 23' 30" E	
Abu Zeit (see Abu Zayd)	Sudan		15° 04' 18" N 33° 23' 30" E	
Abu Zenima, 18 km N (see Abu Zanimah, 18 km N)	Egypt		29° 02' 59" N 33° 06' 13" E	0 m
Abu Zor	Sudan		12° 22' 00" N 34° 22' 00" E	450 m
Abu Zuneim, 18 km N (see Abu Zanimah, 18 km N)	Egypt		29° 02' 59" N 33° 06' 13" E	0 m
Abuja	Nigeria		9° 05' 00" N 7° 32' 00" E	777 m
Abuja Federal Captital Territory	Nigeria			
AbujaPC:FC|) (see also: Abuja state |PC:FC|)	Nigeria			
Abukika (see Abu Kika)	South Sudan		6° 55' 00" N 31° 00' 00" E	
Abuko Nature Reserve	The Gambia		13° 23' 29" N 16° 39' 09" W	
Abulschi	Nigeria			
Abuna Iosef, monte (see Abune Yosef, mountain)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Abuna Josef (see Abune Yosef, mountain)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Abuna Yosef (see Abune Yosef, mountain)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Abuna-Josef, monte (see Abune Yosef, mountain)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Abune Yosef (see also: Abune Yosef)	Ethiopia		12° 07' 00" N 39° 10' 00" E	3842 m
Abune Yosef (see Abune Yosef)	Ethiopia		12° 07' 00" N 39° 10' 00" E	3842 m
Abune Yosef, mount (see Abune Yosef, mountain)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Abune Yosef, mountain, near Lalibela (see also: Abuna Iosef, monte, Abuna Josef, Abuna Yosef, Abuna-Josef, monte, Abune Yosef, mount, Guli Ba Amba, Monte Abuna Iosef, Monte Abuna-Josef, Mount Abuna Yosef, Mount Abune Yosef)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Abu-Rawash and the pyramids, between	Egypt	ca.	30° 02' 00" N 31° 05' 00" E	
Aburi (see also: Aburi)	Ghana		5° 51' 00" N 0° 11' 00" W	300 m
Aburi Botanic Garden	Ghana		5° 51' 00" N 0° 11' 00" W	300 m
Aburi hills, 10 mi [=16 km] N Legon (see also: Legon, 10 mi [=16 km] N)	Ghana		5° 46' 59" N 0° 10' 59" W	
Aburoash (see Abu Rawwash)	Egypt		30° 02' 44" N 31° 05' 33" E	6 m
Aby Zniema, 18 km N (see Abu Zanimah, 18 km N)	Egypt		29° 02' 59" N 33° 06' 13" E	0 m
Abyla (see Jebel Moussa)	Morocco		35° 53' 52" N 5° 24' 44" W	
Abysse de Swanepoel II, near Kambove	Congo (Democratic Republic of the)		10° 51' 00" S 26° 41' 00" E	ca. 1350 m
Abyssinia (see also: Abyssinien)	Ethiopia			
Abyssinien (see Abyssinia)	Ethiopia			
Accra (see also: Akra)	Ghana		5° 33' 00" N 0° 13' 00" W	98 m
Accra, 9 mi [=14.5 km] NE	Ghana		5° 33' 00" N 0° 15' 00" W	
Accra, 9 mi [=14.5 km] NNE (see Legon)	Ghana		5° 39' 00" N 0° 11' 00" W	30 m
Accra-Kade Road	Ghana		5° 33' 00" N 0° 15' 00" W	
Achimota, between Legon and Accra (see also: Achimota College, Achimota Village, Archimota)	Ghana		5° 37' 00" N 0° 14' 00" W	82 m
Achimota College (see Achimota)	Ghana		5° 37' 00" N 0° 14' 00" W	82 m
Achimota Forest Reserve	Ghana		5° 40' 01" N 0° 12' 00" W	
Achimota Village (see Achimota)	Ghana		5° 37' 00" N 0° 14' 00" W	82 m
Acholi mountains (see also: Jebel Choli)	South Sudan		4° 04' 55" N 32° 35' 54" E	
Achwerase, Aburi, near, concrete culvert in a forest	Ghana		5° 39' 00" N 0° 11' 00" W	
Acoaesakira, 3 km on Nsork to Akum road (see also: Acoesakira, Akosakira, Nsork to Akum road, km 3)	Equatorial Guinea		1° 06' 32" N 11° 15' 27" E	511 m
Acoc and Micomeseng, between	Equatorial Guinea	ca.	2° 05' 00" N 10° 54' 00" E	
Acocseng and Aconibe, between (see Nzas cave)	Equatorial Guinea	ca.	1° 18' 35" N 10° 58' 17" E	
Acoesakira (see Acoaesakira), 3 km on Nsork to Akom road	Equatorial Guinea		1° 06' 32" N 11° 15' 27" E	511 m
Acornhoek, 11 km N Newinngton (see also: Newinngton, 11 km N)	South Africa		24° 35' 00" S 31° 05' 00" E	594 m

ACWA (see Adventist College of West Africa (ACWA)), 1.6 km SE Ilishan-Remo	Nigeria		6° 53' 42" N 3° 42' 51" E	76 m
Ad Dalanj (see Dilling)	Sudan		12° 03' 00" N 29° 39' 00" E	687 m
Ad Daqahliyaj governorate (see also: Al Daqahliyah governorate |PC:DQ|)	Egypt			
Ad Duwayrat (see Douirat)	Tunisia		32° 52' 00" N 10° 17' 00" E	460 m
Ada Estates, Muzarabani	Zimbabwe		16° 22' 30" S 31° 07' 30" E	
Adaba (see Adwa)	Ethiopia		14° 10' 00" N 38° 54' 00" E	1882 m
Adamaoua plateau	Cameroon			
Adamaoua region	Cameroon			
Adamawa state	Nigeria			
Adams College, 22 mi [=35 km] NE Durban (see also: Adams M.S., Adams Mission, Adams Mission Station, Durban, 22 mi [=35 km] NE)	South Africa		30° 02' 00" S 30° 49' 00" E	156 m
Adams M.S. (see Adams College), 22 mi [=35 km] NE Durban	South Africa		30° 02' 00" S 30° 49' 00" E	156 m
Adams Mission (see Adams College), 22 mi [=35 km] NE Durban	South Africa		30° 02' 00" S 30° 49' 00" E	156 m
Adams Mission Station (see Adams College), 22 mi [=35 km] NE Durban	South Africa		30° 02' 00" S 30° 49' 00" E	156 m
Adamso	Ghana		6° 04' 00" N 1° 47' 00" W	139 m
Adanka village, near, 4.5 km N Apesokubi (see also: Apesokubi, 4.5 km N, Apesokubi, 4.5 km N)	Ghana		7° 38' 00" N 0° 23' 00" E	
Adawaso (see Adawso)	Ghana		5° 57' 00" N 0° 13' 00" W	148 m
Adawaso, 1 mi [=1.6 km] E	Ghana	ca.	5° 57' 00" N 0° 13' 00" W	
Adawaso, 1.9 mi [=3 km] NW	Ghana	ca.	5° 57' 00" N 0° 13' 00" W	
Adawaso, 4.7 mi [=7.5 km] E	Ghana	ca.	5° 57' 00" N 0° 13' 00" W	
Adawaso, 5.7 mi [=9 km] E	Ghana	ca.	5° 57' 00" N 0° 13' 00" W	
Adawso (see also: Adawaso, Adowso)	Ghana		5° 57' 00" N 0° 13' 00" W	148 m
Adda Doueni (see Adda-Douéni)	Comoro Islands		12° 17' 33" S 44° 29' 50" E	645 m
Adda-Douéni (see also: Adda Doueni)	Comoro Islands		12° 17' 33" S 44° 29' 50" E	645 m
Addi Caieh (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Addi Ugri (see Mendefera)	Eritrea		14° 53' 08" N 38° 48' 59" E	1986 m
Addicaiè (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Addington, Durban	South Africa		29° 50' 36" S 31° 02' 03" E	0 m
Addis Ababa (see Adis Abeba)	Ethiopia		9° 02' 00" N 38° 42' 00" E	2362 m
Addis Ababa and Lake Rudolf, between	Ethiopia			
Addis Ababa state	Ethiopia			
Addis Ababa, 24 km E (see Shoa)	Ethiopia		9° 00' 00" N 39° 00' 00" E	1981 m
Addis Ababa, ca 40 mi [=64 km] W (see Djem-djem Forest)	Ethiopia		8° 58' 00" N 38° 09' 00" E	8 000 ft
Addis Ababa, vicinity of	Ethiopia	ca.	9° 02' 00" N 38° 42' 00" E	
Addis Abbaba (see Adis Abeba)	Ethiopia		9° 02' 00" N 38° 42' 00" E	2362 m
Addis Abeba (see Adis Abeba)	Ethiopia		9° 02' 00" N 38° 42' 00" E	2362 m
Addis Alem (see Adis 'Alem)	Ethiopia		14° 28' 13" N 38° 46' 31" E	
Addo Elephant National Park (see Addo National Park)	South Africa		33° 30' 00" S 25° 45' 00" E	400 ft
Addo Elephant Park (see Addo National Park)	South Africa		33° 30' 00" S 25° 45' 00" E	400 ft
Addo National Park (see also: Addo Elephant National Park, Addo Elephant Park)	South Africa		33° 30' 00" S 25° 45' 00" E	400 ft
Adeane, 12 km SW (see Diabane), Casamance	Senegal		12° 32' 41" N 16° 05' 35" W	3 m
Adéle (see also: Bismarckbourg, Bismarckburg, Station Bismarckburg)	Togo		8° 11' 00" N 0° 41' 00" E	
Adi Caie (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Caieh (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Kaie (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keih (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keyeh (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keyh (see also: Addi Caieh, Addicaiè, Adi Caie, Adi Caieh, Adi Kaie, Adi Keih, Adi Keyeh, Adi K'eyih)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi K'eyih (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Ugri (see Mendefera)	Eritrea		14° 53' 08" N 38° 48' 59" E	1986 m
Adi Wegri (see Mendefera)	Eritrea		14° 53' 08" N 38° 48' 59" E	1986 m
Adiabo Ikot Mbo, Calabar (see also: Ikot Mbo, Ikotmbo)	Nigeria		5° 03' 20" N 8° 19' 31" E	
Adiapo-Doumé, near Abidjan (see also: Adiopo Doumé, Adiopodoume, Adiopodoumé)	Côte d'Ivoire		5° 20' 12" N 4° 07' 57" W	73 m
Adiaré	Senegal			
Adiembra (see Ajemra)	Ghana		4° 49' 00" N 2° 11' 00" W	0 m
Adina (see Adiva), 15 km W Atakpamé	Togo		7° 31' 00" N 1° 01' 00" E	252 m
Adiopo Doumé (see Adiapo-Doumé), near Abidjan	Côte d'Ivoire		5° 20' 12" N 4° 07' 57" W	73 m

Adiopodoume (see Adiapo-Doumé)	Côte d'Ivoire		5° 20' 12" N 4° 07' 57" W	73 m
Adiopodoumé (see Adiapo-Doumé), near Abidjan	Côte d'Ivoire		5° 20' 12" N 4° 07' 57" W	73 m
Adis Abeba (see also: Addis Ababa, Addis Abbaba, Addis Abeba)	Ethiopia		9° 02' 00" N 38° 42' 00" E	2362 m
Adis 'Alem (see also: Addis Alem, Adis 'Alem)	Ethiopia		14° 28' 13" N 38° 46' 31" E	
Adis 'Alem (see Adis 'Alem)	Ethiopia		14° 28' 13" N 38° 46' 31" E	
Adiva, 15 km W of Atakpamé (see also: Adina, Atakpamé, 15 km W)	Togo		7° 31' 00" N 1° 01' 00" E	252 m
Adjido	Togo		7° 30' 00" N 1° 11' 00" E	186 m
Adjigó (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Adjumani (see also: Ajumani)	Uganda		3° 21' 41" N 31° 48' 35" E	761 m
Adjumani district	Uganda			
Administration Camp	Malawi		12° 55' 00" S 33° 07' 00" E	1000 m
Adowa (see Adwa)	Ethiopia		14° 10' 00" N 38° 54' 00" E	1882 m
Adowso (see Adawso)	Ghana		5° 57' 00" N 0° 13' 00" W	148 m
Adrar (see Adrar des Ifôghas)	Mali		20° 00' 00" N 2° 00' 00" E	
Adrar des Ifôghas (see also: Adrar, Adrar des Iforas, Adrar des Iforhas, Adrar des Iforras)	Mali		20° 00' 00" N 2° 00' 00" E	
Adrar des Iforas (see Adrar des Ifôghas)	Mali		20° 00' 00" N 2° 00' 00" E	
Adrar des Iforhas (see Adrar des Ifôghas)	Mali		20° 00' 00" N 2° 00' 00" E	
Adrar des Iforras (see Adrar des Ifôghas)	Mali		20° 00' 00" N 2° 00' 00" E	
Adrar province	Algeria			
Adrar region	Mauritania			
Adua (see Adwa)	Ethiopia		14° 10' 00" N 38° 54' 00" E	1882 m
Adurelan (see Adurelang)	Equatorial Guinea		1° 58' 05" N 11° 12' 18" E	508 m
Adurelang, near Ebebiying ? (see also: Adurelan)	Equatorial Guinea		1° 58' 05" N 11° 12' 18" E	508 m
Aduwa (see Adwa)	Ethiopia		14° 10' 00" N 38° 54' 00" E	1882 m
Adventist College of West Africa (ACWA), 1.6 km SE Ilishan-Remo (see also: ACWA, Ilisham Remo, 1 mi [=1.6 km] SE, Ilishan-Remo, 1.6 km SE)	Nigeria		6° 53' 42" N 3° 42' 51" E	76 m
Adwa (see also: Adaba, Adowa, Adua, Aduwa)	Ethiopia		14° 10' 00" N 38° 54' 00" E	1882 m
Adzopé (see also: Adzope)	Côte d'Ivoire		6° 06' 25" N 3° 51' 43" W	137 m
Adzope (see Adzopé)	Côte d'Ivoire		6° 06' 25" N 3° 51' 43" W	137 m
Adzopé department	Côte d'Ivoire			
Aea (see Tarabulus)	Libya		32° 53' 33" N 13° 10' 48" E	6 m
Aetana (see also: Christian Brothers College)	South Africa		25° 44' 00" S 28° 16' 00" E	
Afallo	Ethiopia		7° 41' 00" N 36° 20' 00" E	2101 m
Afallo, 20 km NE (see Challa, mount)	Ethiopia		5° 23' 00" N 36° 34' 00" E	2100 m
Afar state	Ethiopia			
Afars and Issas (see Djibouti)	Afars and Issas			
Afdam (see Afdem)	Ethiopia		9° 28' 00" N 41° 00' 00" E	1056 m
Afdem (see also: Afdam, Afdem)	Ethiopia		9° 28' 00" N 41° 00' 00" E	1056 m
Afdem (see Afdem)	Ethiopia		9° 28' 00" N 41° 00' 00" E	1056 m
Afegame, Agumatsa River (see also: Apegame)	Ghana		7° 08' 00" N 0° 35' 00" E	415 m
Afegame, 3 mi [=4.8 km] E	Ghana	ca.	7° 08' 00" N 0° 35' 00" E	
Afenourir, lake (see Afnourir, lake)	Morocco		33° 17' 00" N 5° 15' 00" W	
Afeworks Farm (see Gidole)	Ethiopia		5° 38' 00" N 37° 28' 00" E	
Afgoi (see Afgooye)	Somalia		2° 09' 00" N 45° 07' 00" E	77 m
Afgoi, 6 km S, 17 km W (see Libsoma farm)	Somalia		2° 05' 00" N 44° 58' 00" E	
Afgooye (see also: Afgoi, Afgoye, Asgoi)	Somalia		2° 09' 00" N 45° 07' 00" E	77 m
Afgoye (see Afgooye)	Somalia		2° 09' 00" N 45° 07' 00" E	77 m
Afkala Haya (see also: Bandar Fílúk, Bender Filuch, Bender Gelid, Bender Geoid)	Somalia		11° 54' 00" N 50° 35' 00" E	5 m
Aflahu (see Aflao)	Ghana		6° 07' 04" N 1° 11' 34" E	61 m
Aflao (see also: Aflahu, Afloa, Dano, Porura)	Ghana		6° 07' 04" N 1° 11' 34" E	61 m
Aflao, 105 km W (see also: Afloa, 105 km W)	Ghana		6° 07' 04" N 0° 14' 39" E	
Aflao, 72 km W (see also: Afloa, 72 km W)	Ghana		6° 07' 00" N 1° 11' 00" E	
Afloa (see Aflao)	Ghana		6° 07' 04" N 1° 11' 34" E	61 m
Afloa, 105 km W (see Aflao, 105 km W)	Ghana		6° 07' 04" N 0° 14' 39" E	
Afloa, 72 km W (see Aflao, 72 km W)	Ghana		6° 07' 00" N 1° 11' 00" E	

Afmadoow (see Afmadow)	Somalia		0° 31' 02" N 42° 04' 16" E	19 m
Afmadow (see also: Afmadoow, Afmadu)	Somalia		0° 31' 02" N 42° 04' 16" E	19 m
Afmadu (see Afmadow)	Somalia		0° 31' 02" N 42° 04' 16" E	19 m
Afnourir, lake, 26 km S Azrou (see also: Afenourir, lake, Azrou, 26 km S, Lac Afenourir, Lac Afnourir)	Morocco		33° 17' 00" N 5° 15' 00" W	
Afon	Nigeria		8° 19' 00" N 4° 32' 00" E	310 m
Africa				
Africa, east coast (see also: East coast of Africa)	Africa, east coast			
Africa, west coast (see also: Côte occidentale de l'Afrique)	Africa, west coast			
Agadem	Niger		16° 50' 00" N 13° 17' 00" E	511 m
Agadez region	Niger			
Agadir, 30 km NW (see Tiguerte cave)	Morocco	ca.	30° 38' 00" N 9° 50' 00" W	
Agadir, 52 km SE (see Bou Akden mine)	Morocco			
Agadir-Ida-Tanane prefecture	Morocco			
Agadji	Togo		7° 27' 00" N 0° 54' 00" E	348 m
Agaete	Canary Islands (Spain)		28° 07' 00" N 15° 42' 00" W	109 m
Agago district	Uganda			
Agalega Islands dependency	Mauritius			
Agame-Koutoukapa (see Agomé Koutoukpa)	Togo		7° 31' 00" N 0° 59' 00" E	458 m
Agaro, road to Jimma (see also: Aggarò)	Ethiopia		7° 51' 00" N 36° 39' 00" E	1613 m
Agaro, 10 km from (see Jimma, road to)	Ethiopia	ca.	7° 51' 00" N 36° 39' 00" E	
Agaro, 30 km from, on the route between Agaro and Bedellé	Ethiopia	ca.	14° 27' 34" N 39° 11' 12" E	
Agbedrafo	Togo		6° 12' 05" N 1° 28' 44" E	65 m
Agbodrafo	Togo		6° 12' 05" N 1° 28' 44" E	65 m
Agbodrafo Porto-Séguro	Togo		6° 12' 05" N 1° 28' 44" E	65 m
Agege, 15 mi [=24 km] N of Lagos (see also: Lagos, 15 mi [=24 km] N)	Nigeria		6° 37' 19" N 3° 19' 33" E	41 m
Aggarò (see Agaro), road to Jimma	Ethiopia		7° 51' 00" N 36° 39' 00" E	1613 m
Agnéby-Tiassa region	Côte d'Ivoire			
Ago Shasha, 6 mi [=9.7 km] N (see Iloshi, 4 mi [=6.4 km] S)	Nigeria	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
Agogo	Ghana			
Agogo, 1 mi W	Ghana			
Agok [pools]	South Sudan		8° 09' 00" N 28° 49' 00" E	
Agok mango grove, 5 mi SW Wau; along Busseri River (see also: Wau, 5 mi [=8 km] SW)	South Sudan		7° 38' 00" N 27° 56' 00" E	
Agomé Koutoukpa (see also: Agame-Koutoukapa, Agomé-Kotukpa, Koutoukpa)	Togo		7° 31' 00" N 0° 59' 00" E	458 m
Agomé-Kotukpa (see Agomé Koutoukpa)	Togo		7° 31' 00" N 0° 59' 00" E	458 m
Agomé-Palimé (see Kpalimé)	Togo		7° 05' 00" N 0° 45' 00" E	
Agordat (see Akurdet)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Agou (see Agou Gadzépé)	Togo		6° 53' 00" N 0° 44' 00" E	488 m
Agou Gadzépé (see also: Agou, Agou-Nyongbo)	Togo		6° 53' 00" N 0° 44' 00" E	488 m
Agouagon (see also: Agouagou, Agwagon, Ajargon, Ajougon)	Benin		7° 59' 00" N 2° 18' 00" E	155 m
Agouagou (see Agouagon)	Benin		7° 59' 00" N 2° 18' 00" E	155 m
Agoué (see also: Adjigó, Agouve, Ague, Agwe, Agweh, Ajigo)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Agou-Nyongbo (see Agou Gadzépé)	Togo		6° 53' 00" N 0° 44' 00" E	488 m
Agouve (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Agricultural Research Council [=ARC] grounds (see Irene), Pretoria	South Africa		25° 52' 08" S 28° 12' 59" E	1469 m
Água Izé (see also: Agua Ize, Agua-Ize)	São Tomé and Principé		0° 13' 05" N 6° 43' 41" E	
Agua Ize (see Água Izé)	São Tomé and Principé		0° 13' 05" N 6° 43' 41" E	
Aguagou / Cotonou	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Agua-Ize (see Água Izé), Río Abade	São Tomé and Principé		0° 13' 05" N 6° 43' 41" E	
Aguapim, Goldküste	Tanzania			
Ague (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Aguleri, Anambra Creek (see also: Anambra Creek)	Nigeria		6° 20' 00" N 6° 53' 00" E	82 m
Aguleri,1.5 mi [=2.4 km] E	Nigeria		6° 20' 00" N 6° 53' 00" E	
Agumatsa Wildlife Sanctuary, Agumatsa river, near Afegame	Ghana	ca.	7° 07' 00" N 0° 36' 00" E	

Agwagon (see Agouagon)	Benin		7° 59' 00" N 2° 18' 00" E	155 m
Agwe (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Agweh (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Agyati, on the Bamenda - Bafut road	Cameroon			
Agyembra (see Ajemra)	Ghana		4° 49' 00" N 2° 11' 00" W	0 m
Aha hills, 10 mi [=16 km] N	Botswana	ca.	19° 40' 00" S 21° 00' 00" E	
Ahero, cave near, 10 mi [=16 km] N Kisii (see also: Kisii, 10 mi [=16 km] N)	Kenya		0° 32' 16" S 34° 46' 00" E	
Ahiérémou	Côte d'Ivoire		6° 14' 00" N 4° 56' 00" W	73 m
Ahinkrom (see Dormaa Ahenkro)	Ghana		7° 17' 00" N 2° 53' 00" W	269 m
Ahireso (see also: Ahiriso, Ahyireso, Ahyiresu)	Ghana		6° 32' 00" N 2° 20' 00" W	160 m
Ahiriso (see Ahireso)	Ghana		6° 32' 00" N 2° 20' 00" W	160 m
Ahoué-houé (see Badou - Anonoe)	Togo		7° 35' 00" N 0° 36' 00" E	
Ahyireso (see Ahireso)	Ghana		6° 32' 00" N 2° 20' 00" W	160 m
Ahyiresu (see Ahireso)	Ghana		6° 32' 00" N 2° 20' 00" W	160 m
Ain Az Zarqa (see ‘Ayn az Zarqa’)	Libya		31° 55' 27" N 12° 00' 52" E	
Ain Cheurfas	Algeria			
Aïn Chhief (see Aïn Chkef)	Morocco		33° 57' 48" N 5° 01' 11" W	508 m
Aïn Chkef, 6 km S Fès; Junto Camping (see also: Aïn Chhief, Ain Chkef, Ain Chqef, Aïn-Chkeff, Douar Ain Chkef, Fès, 6 km S)	Morocco		33° 57' 48" N 5° 01' 11" W	508 m
Ain Chkef (see Aïn Chkef)	Morocco		33° 57' 48" N 5° 01' 11" W	508 m
Ain Chqef (see Aïn Chkef)	Morocco		33° 57' 48" N 5° 01' 11" W	508 m
Aïn Defla province	Algeria			
Ain Dhab, Jebel Serdj	Tunisia		35° 56' 12" N 9° 32' 59" E	
Aïn Draham (see Ayn ad Darahim)	Tunisia		36° 46' 38" N 8° 41' 33" E	982 m
Aïn Draham, 5 km NE (see Ayn ad Darahim, 5 km NE)	Tunisia		36° 48' 33" N 8° 43' 56" E	
Ain el Furtaga (see El-Tûr)	Egypt		29° 02' 44" N 34° 33' 10" E	
Ain Hudra (see Wadi Khu?rah)	Egypt		29° 30' 46" N 34° 03' 25" E	
Ain Jammalah Pepinier Forestière	Tunisia		36° 30' 03" N 9° 18' 42" E	
Ain Khudra (see Wadi Khu?rah)	Egypt		29° 30' 46" N 34° 03' 25" E	
Aïn Leuh	Morocco		33° 17' 17" N 5° 20' 14" W	
Ain Mokra (see Berrahal)	Algeria		36° 50' 07" N 7° 27' 12" E	26 m
Aïn Ouarka (see also: Ain Ouarka)	Algeria		32° 43' 51" N 0° 09' 13" W	
Ain Ouarka (see Aïn Ouarka)	Algeria		32° 43' 51" N 0° 09' 13" W	
Ain Oussera (see also: El Oussera, Paul Cazelles)	Algeria		35° 27' 05" N 2° 54' 21" E	683 m
Aïn Salah (see I-n-Salah)	Algeria		27° 11' 00" N 2° 29' 00" E	279 m
Aïn Sefra (see also: Aïne Sefra)	Algeria		32° 45' 00" N 0° 35' 00" W	1081 m
Aîn Sudr (see Ayn Sudr)	Egypt		29° 48' 57" N 33° 06' 38" E	
Aïn Taforalt (see Taforhalt)	Morocco		34° 48' 36" N 2° 24' 00" W	911 m
Aïn Témouchent province (see also: Wilaya de Aïn Temouchent)	Algeria	ca.	35° 20' 00" N 1° 05' 00" W	
Ain Zérga (see ‘Ayn az Zarqa’)	Libya		31° 55' 27" N 12° 00' 52" E	
Aïn-Chkeff (see Aïn Chkef)	Morocco		33° 57' 48" N 5° 01' 11" W	508 m
Aïne Draham (see Ayn ad Darahim)	Tunisia		36° 46' 38" N 8° 41' 33" E	982 m
Aïne Draham, 5 km NE (see Ayn ad Darahim, 5 km NE)	Tunisia		36° 48' 33" N 8° 43' 56" E	
Aïne Sefra (see Aïn Sefra)	Algeria		32° 45' 00" N 0° 35' 00" W	1081 m
Aïoun Ameur, near, 4 km S Redeyef (see also: Ameur, Aïoun, near, Amir, 'Uyun, near, Redeyef, 4 km S, Uyun 'Amir, near)	Tunisia	ca.	34° 19' 00" N 8° 09' 00" E	
Aire d'Exploitation Rationelle de Faune des Monts Doudou (see Mount Doudou fauna exploitation area), 24.3 km - 25.2 km NW Doussala	Gabon		2° 13' 21" S 10° 24' 21" E	
Ait Ouarzazate (see Warzat)	Morocco		30° 55' 31" N 6° 54' 48" W	1276 m
Aït Ouarzazate (see Warzat)	Morocco		30° 55' 31" N 6° 54' 48" W	1276 m
Aït-Ali, ca. 5 km N (see Gorges du Dadès)	Morocco		31° 31' 00" N 5° 56' 00" W	1750 m
Aitedjou (see also: Ayetédjoun)	Benin		6° 39' 00" N 2° 44' 00" E	36 m
Aitong [veterinary facility]	Kenya		1° 11' 00" S 35° 15' 00" E	
Aiuumandu Hill	Kenya	ca.	2° 00' 00" S 37° 40' 00" E	
Aiyikuma (see also: Ayikuma)	Ghana		5° 55' 00" N 0° 03' 00" W	43 m
Aj Jabalen (see also: Al Jabalayn, El Jebelein, Jebelein)	Sudan		12° 35' 25" N 32° 48' 03" E	380 m
Ajargon (see Agouagon)	Benin		7° 59' 00" N 2° 18' 00" E	155 m
Ajdabiya municipality	Libya			
Ajemera (see Ajemra)	Ghana		4° 49' 00" N 2° 11' 00" W	0 m
Ajemra (see also: Adiembra, Agyembra, Ajemera, Egyambra)	Ghana		4° 49' 00" N 2° 11' 00" W	0 m
Ajigo (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Ajos Höhe (see Ayos Heights)	Cameroon		3° 54' 00" N 12° 31' 00" E	578 m

Ajougon (see Agouagon)	Benin		7° 59' 00" N 2° 18' 00" E	155 m
Ajumani (see Adjumani)	Uganda		3° 21' 41" N 31° 48' 35" E	761 m
Ak' Wirdet (see Akurdet)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Aka	Congo (Democratic Republic of the)		4° 35' 00" N 29° 42' 00" E	
Aka river	Congo (Democratic Republic of the)		4° 30' 00" N 29° 40' 00" E	
Akagera Park (see also: Kagera National Park, Parc National de la Kagera)	Rwanda		1° 30' 00" S 30° 30' 00" E	
Aka-Inimvua confluence	Congo (Democratic Republic of the)		4° 35' 00" N 29° 42' 00" E	
Akaloyong, 20 km N (see Bonobono)	Equatorial Guinea		1° 14' 43" N 9° 37' 10" E	508 m
Akenge (see Akengei)	Congo (Democratic Republic of the)		2° 56' 00" N 26° 50' 00" E	654 m
Akengei (see also: Akenge)	Congo (Democratic Republic of the)		2° 56' 00" N 26° 50' 00" E	654 m
Akeniem	Ghana		8° 08' 00" N 0° 16' 00" W	
Akenim	Togo		10° 25' 00" N 0° 15' 00" E	
Akesum (see Aksum)	Ethiopia		14° 07' 28" N 38° 43' 28" E	2139 m
Aketi (see also: Port Chaltin)	Congo (Democratic Republic of the)		2° 50' 00" N 23° 56' 00" E	ca. 500 m
Aketi territory	Congo (Democratic Republic of the)			
Akhmas (see El Akhmas tribal area)	Morocco	ca.	35° 04' 45" N 5° 19' 43" W	
Akim Oda (see Oda)	Ghana		5° 55' 00" N 0° 59' 00" W	218 m
Akim Oda, near (see Oda, near)	Ghana	ca.	5° 55' 00" N 1° 00' 00" W	
Akinim Buem State Togoland	Ghana			
Ak'irdat (see Akurdet)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Akiriamet	Kenya			
Akjoujt (see also: Akjout, Fort Repoux, Magrein Copper Mine)	Mauritania		19° 45' 00" N 14° 23' 00" W	141 m
Akjout (see Akjoujt)	Mauritania		19° 45' 00" N 14° 23' 00" W	141 m
Akka	Morocco		28° 36' 00" N 9° 25' 00" W	
Akoko River (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Akomo (see Akwamu)	Ghana		6° 17' 00" N 0° 05' 00" E	152 m
Akomolinga (see Akonolinga)	Cameroon		3° 46' 00" N 12° 15' 00" E	520 m
Akona	South Sudan	ca.	11° 30' 00" N 32° 40' 00" E	
Akonolinga (see also: Akomolinga)	Cameroon		3° 46' 00" N 12° 15' 00" E	520 m
Akonsonbo (see Akosombo)	Ghana		6° 18' 00" N 0° 03' 00" E	76 m
Ak'ordat (see Akurdet)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Akosakira (see Acoaesakira)	Equatorial Guinea		1° 06' 32" N 11° 15' 27" E	511 m
Akoso Mbo (see Akosombo)	Ghana		6° 18' 00" N 0° 03' 00" E	76 m
Akosombo (see also: Akonsonbo, Akoso Mbo, Kosombo, Oko sombo)	Ghana		6° 18' 00" N 0° 03' 00" E	76 m
Akposso	Togo		7° 34' 00" N 0° 59' 00" E	
Akra (see Accra)	Ghana		5° 33' 00" N 0° 13' 00" W	98 m
Akrochire, 38 mi [=61 km] NE Kumasi (see also: Akrokyere, Kumasi, 38 mi [=61 km] NE)	Ghana		6° 56' 00" N 1° 20' 00" W	282 m
Akrokyere (see Akrochire), 38 mi [=61 km] NE Kumasi	Ghana		6° 56' 00" N 1° 20' 00" W	282 m
Akropong	Ghana		5° 45' 00" N 2° 07' 00" W	
Aksum (see also: Akesum, Axum)	Ethiopia		14° 07' 28" N 38° 43' 28" E	2139 m
Akurdet (see also: Agordat, Ak' Wirdet, Ak'irdat, Ak'ordat, Figordat)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Akurinam, 10 km from Ayasong (see also: Ayasong, 10 km from)	Equatorial Guinea			
Akuryo waterhole, near, 16 km SW Loperot (see also: Loperot, 16 km SW)	Kenya	ca.	2° 12' 43" N 35° 45' 53" E	
Akwa Ibom state	Nigeria			
Akwamu (see also: Akomo, Akwamufe, Akwamufie)	Ghana		6° 17' 00" N 0° 05' 00" E	152 m
Akwamu, 5 mi [=8 km] W	Ghana	ca.	6° 14' 00" N 0° 07' 00" E	
Akwamufe (see Akwamu)	Ghana		6° 17' 00" N 0° 05' 00" E	152 m
Akwamufe, 1 mi [=1.6 km] N	Ghana	ca.	6° 16' 00" N 0° 07' 00" E	
Akwamufie (see Akwamu)	Ghana		6° 17' 00" N 0° 05' 00" E	152 m
Al ‘Aquriyah (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Al ‘Ara’ish (see Larache)	Morocco		35° 11' 24" N 6° 09' 00" W	55 m
Al A'aqab (see also: El A'aqab)	Egypt		24° 15' 00" N 32° 54' 00" E	252 m
Al 'Abbasiyah (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m

Al Abyar (see also: Al Abyar, Alabia, El Abiar, Madirat al Abyar)	Libya	32° 11' 25" N 20° 35' 45" E	274 m
Al Abyar (see Al Abyar)	Libya	32° 11' 25" N 20° 35' 45" E	274 m
Al A'qab (see also: El A'agab, El A'qab)	Egypt	24° 15' 00" N 32° 54' 00" E	166 m
Al Arish (see Al'Arish)	Egypt	31° 07' 34" N 33° 48' 07" E	33 m
Al Badrashayn (see also: Badrashên, El Badrshein, El-Badrshein)	Egypt	29° 51' 00" N 31° 16' 00" E	21 m
Al Bahariya (see Al Wa?at al Ba?riyah)	Egypt	28° 15' 00" N 28° 57' 00" E	
Al BaPC:RS|)	Sudan		
Al Bahr-Al Ahmar governorate (see also: Red Sea governorate |PC:BA|)	Egypt		
Al Bardi (see Al Burdi)	Libya	31° 45' 00" N 25° 05' 00" E	
Al Bawiti (see also: Al Bawiti, al-Bawiti, Bawiti, Bawiti, El Bawiti, El Bawîti)	Egypt	28° 20' 57" N 28° 51' 57" E	252 m
Al Bawiti (see Al Bawiti)	Egypt	28° 20' 57" N 28° 51' 57" E	252 m
Al Bayda' (see also: Al Bay?a', Al-Baida, Az Zawiyah al Bay?a', Baida, Balagrae, Balis, Bayda, Beda, Beida, El Beida, White Monastery, Zauia el Beda, Zawiat al-Baida, Zawiyat al Bay?a', Zawiyat el-Be?a')	Libya	32° 45' 59" N 21° 44' 30" E	623 m
Al Bay?a' (see Al Bayda')	Libya	32° 45' 59" N 21° 44' 30" E	623 m
Al Bayda, 5 km SW (see Kuf National Park)	Libya	32° 18' 00" N 20° 25' 00" E	
Al Buhayrah governorate (see also: Beheira governorate |PC:BH|, Behera governorate |PC:BH|)	Egypt		
Al BuPC:EB|)	South Sudan		
Al Burdi (see also: Al Bardi)	Libya	31° 45' 00" N 25° 05' 00" E	
Al Butnan district (see also: Butnan district |PC:BN|)	Libya		
Al DaPC:DQ|)	Egypt		
Al Fayyum (see also: Arsinoë, Crocodilopolis, El Faiyûm, Faiyoum, Fayoom, Fayoum, Fayoum, caves, Fayum, Fayyoum, Fayyum, Madinet el Faiyum, Médinat el-Fayoum, Medinat Fayum, Medinet el Fayum, Shedit)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Al Fayyum governorate (see also: Fayoum governate)	Egypt		
Al Fjayj (see Al Fujayj)	Libya	26° 32' 32" N 13° 18' 39" E	597 m
Al Fonj (see also: Al Funj, Fundj, Fung)	Sudan	12° 41' 38" N 34° 08' 57" E	
Al Fujayj (see also: Al Fjayj, El-Fgeg)	Libya	26° 32' 32" N 13° 18' 39" E	597 m
Al Funj (see Al Fonj)	Sudan	12° 41' 38" N 34° 08' 57" E	
Al Garef (see also: El Garef, El Garet)	Sudan	12° 03' 00" N 34° 19' 00" E	428 m
Al Gharbiyah governorate (see also: Gharbia governorate |PC:GH|)	Egypt		
Al Ghardaqah (see also: Al-Ghardaq, El-Ghardaqa, Hurghada, Urgada)	Egypt	27° 08' 00" N 33° 50' 00" E	
Al ?ammah (see El Hamma), near Gabès	Tunisia	33° 54' 00" N 9° 48' 00" E	58 m
Al Haouz prefecture	Morocco		
Al Hazm, near Rostaq	Oman		
Al Hizam Al-Akhdar municipality	Libya		
Al Hoceïma (see also: Al Huceima, Al ?usaymat, Alhacemas, Alhucemas, Villa Alhucemas, Villa Sanjurjo)	Morocco	35° 14' 24" N 3° 55' 48" W	153 m
Al Hoceima prefecture	Morocco		
Al Hoceïma, 9 km SE	Morocco	35° 12' 00" N 3° 52' 59" W	
Al Huceima (see Al Hoceïma)	Morocco	35° 14' 24" N 3° 55' 48" W	153 m
Al ?usaymat (see Al Hoceïma)	Morocco	35° 14' 24" N 3° 55' 48" W	153 m
Al Huwariyah (see El Aouaria)	Tunisia	37° 03' 00" N 11° 01' 00" E	
Al Huwwariyah (see El Aouaria)	Tunisia	37° 03' 00" N 11° 01' 00" E	
Al Huwwariyah cave (see El Aouaria)	Tunisia	37° 03' 00" N 11° 01' 00" E	
Al Iskandariyah (see also: Alessandria, Alexandria, Alexandrie, El Iskandariya, Iskandarîya, Iskindiriya)	Egypt	31° 11' 53" N 29° 55' 09" E	4 m
Al Iskandariyah governorate (see also: Alexandria governorate |PC:IK|)	Egypt		

Al Isma`iliyah governorate (see also: Al Ismailiyah governorate |PC:IS|)	Egypt			
Al IsPC:IS|)	Egypt			
Al Jabal al A?mar (see also: Al Jabal al Ahmar, El Gebel el Ahmar , El Jebel el Ahmar, Gebel el Ahmar)	Egypt		30° 03' 00" N 31° 18' 00" E	
Al Jabal al Ahmar (see Al Jabal al A?mar) (see also: Gebel el Ahmar, Jebel Ahmar)	Egypt		30° 03' 00" N 31° 18' 00" E	
Al JaPC:JK|)	Libya			
Al Jabal al Gharbi district (see also: Jabal al Gharbi district |PC:JG|)	Libya			
Al Jabalayn (see Aj Jabalen)	Sudan		12° 35' 25" N 32° 48' 03" E	380 m
Al Jaghbub (see also: El-Giagbúb, Giarabub, Jaghbub)	Libya		29° 44' 33" N 24° 31' 04" E	0 m
Al Jazair (see Alger)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Al JaPC:GZ|)	Sudan			
(see also: Gezira state |PC:GZ|)				
Al Jifarah district (see also: Jafara district |PC:JR|)	Libya			
Al Jizah	Egypt		30° 05' 10" N 31° 12' 44" E	17 m
Al Jizah governorate (see also: Al Jizah governorate |PC:JZ|, Giza governorate |PC:JZ|)	Egypt			
Al JiPC:JZ|)	Egypt			
Al Jufrah district (see also: Jufra district |PC:JF|)	Libya			
Al Karnak, near Luxor (see also: El Karnak, El Kharnâk, Karnak Great Temple)	Egypt		25° 41' 00" N 32° 39' 00" E	
Al Kharijah	Egypt		25° 26' 00" N 30° 33' 00" E	32 m
Al KhPC:KH|)	Sudan			
Al Khartum (see also: Al Khurtum, Cartum, Khartoum, Khartoun)	Sudan		15° 35' 17" N 32° 32' 03" E	377 m
Al Khartum, S of, W bank of White Nile (see also: Khartoum, S of)	Sudan	ca.	15° 35' 17" N 32° 32' 03" E	
Al Khatatibah (see also: El Kha?a?ba)	Egypt		30° 23' 00" N 30° 50' 00" E	21 m
Al Khurtum (see Al Khartum)	Sudan		15° 35' 17" N 32° 32' 03" E	377 m
Al Kufrah district (see also: Kufra district |PC:KU|)	Libya			
Al Lagawa (see Al Lagowa)	Sudan		11° 24' 00" N 29° 08' 00" E	560 m
Al Lagowa (see also: Al Lagawa, El Lagowa)	Sudan		11° 24' 00" N 29° 08' 00" E	560 m
Al Lahun (see also: El Lâhûn, Gebel el Lahun, Lahun)	Egypt		29° 13' 09" N 30° 58' 42" E	5 m
Al Lisht	Egypt		29° 34' 00" N 31° 14' 00" E	15 m
Al Lisht (see also: El-Lisht, Lisht)	Egypt		29° 34' 00" N 31° 14' 00" E	15 m
Al Ma‘adi (see also: El Ma‘adi , Maadi, Ma'adi, Ma'adi al Khabiri , Ma'âdi el-Khabîri , Ma'âdi el-Khahîri , Meadi)	Egypt		29° 58' 00" N 31° 15' 00" E	
Al Ma‘adi, 8 mi [=12.8 km] from (see Wadi Digla), 8 mi [=12.8 km] from Maadi	Egypt		29° 58' 00" N 31° 18' 00" E	
Al Ma'abidah (see also: El Ma`abda, El Ma‘âbda, El Maabdeh, cave)	Egypt		27° 20' 20" N 31° 01' 30" E	47 m
Al Ma?ilah (see M'Dilla abandoned Phosphate mines)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
Al Mansuriyah (see also: El Mansuriya, El-Man?ûrîya)	Egypt		30° 08' 13" N 31° 04' 17" E	28 m
Al Mansuriyah, 4 km W (see also: El Mansuriya, 4 km W)	Egypt	ca.	30° 08' 13" N 31° 04' 17" E	
Al Marj district (see also: Marj district |PC:MA|)	Libya			
Al Marqab district (see also: Murqub district |PC:MR|)	Libya			
Al Minufiyah governorate (see also: Al Minufiyah governorate |PC:MF|)	Egypt			
Al MiPC:MF|)	Egypt			
(see also: Menoufia governate)				
Al Minya governorate (see Al Minya governorate) (see also: Menia governate)	Egypt			
Al Minya governorate (see also: Al Minya governorate)	Egypt			

Al Muwayli?, Red Sea Coast (see also: Al-Mweleh, Al-Mwêle?, Mawaila, Mohila, Mowila)	Saudi Arabia		27° 41' 00" N 35° 28' 00" E	0 m
Al Obayyid (see Al Ubayyi?)	Sudan		13° 11' 00" N 30° 13' 00" E	609 m
Al QaPC:GD|)	Sudan			
(see also: Gedarif state |PC:GD|)				
Al Qahirah (see also: Cairo, Cairo Citadel, El Kahira, El Kahirah, El-Qâhira, Kairo, Le Caire, Masr, Misr)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
Al Qahirah governorate (see also: Cairo governorate |PC:QH|)	Egypt			
Al Qallabat (see Qallabat)	Sudan		12° 58' 00" N 36° 09' 00" E	725 m
Al Qalyubiyah governorate (see Al Qalyubiyah governorate)	Egypt			
Al Qalyubiyah governorate (see also: Al Qalyubiyah governorate, Kalyoubia governorate |PC:QL|)	Egypt			
Al Qasr, 5 mi W Mersa Matruh (see also: El Qasr, Mersa Matruh, 5 mi [=8 km] W)	Egypt		31° 22' 00" N 27° 07' 00" E	20 m
Al Qubbah municipality	Libya			
Al Qulzum (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
Al Qusayr (see also: Koseir, Leucus Limen, Qosier, Qosseir, Quseir)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Al Quwaysi, Dinder (see also: El Gueisi, El Qweisi)	Sudan		13° 21' 00" N 34° 07' 00" E	396 m
Al Rashda (see Ar Rashidah)	Egypt		25° 34' 57" N 28° 56' 28" E	104 m
Al Ubayd (see Al Ubayyi?)	Sudan		13° 11' 00" N 30° 13' 00" E	609 m
Al Ubayyi? (see also: Al Obayyid, Al Ubayd, Al-'Obêd, El Obeid, El Ubeiyad, Ubêd)	Sudan		13° 11' 00" N 30° 13' 00" E	609 m
Al Uqsur (see also: El Aqsur, El Kusur, El Qusur, El Uqsor, El-Aksur, Louksor, Luksor, Luqsor, Luxor)	Egypt		25° 41' 00" N 32° 39' 00" E	76 m
Al Uqsur governorate	Egypt			
Al Wadi -Al Jadid governorate (see also: El Wadi El Gedid governorate |PC:WJ|)	Egypt			
Al Wa?at al Ba?riyah (see also: Al Bahariya, Al Wahat al Bahriyah, Bahariya Oasis, Baharîya Oasis)	Egypt		28° 15' 00" N 28° 57' 00" E	
Al Wahat al Bahriyah (see Al Wa?at al Ba?riyah) (see also: Baryeh Oasis)	Egypt		28° 15' 00" N 28° 57' 00" E	
Al Wahat district	Libya			
Al WaPC:WH|)	South Sudan			
Al Walidiyah (see also: El Wilidiya)	Egypt		27° 12' 00" N 31° 10' 00" E	35 m
Al Wayet Shakshuk (see Shakshuk)	Egypt		29° 27' 46" N 30° 42' 26" E	
Al WuPC:BN|)	Sudan			
Alabe	Nigeria		8° 29' 00" N 5° 08' 00" E	334 m
Alabia (see Al Abyar)	Libya		32° 11' 25" N 20° 35' 45" E	274 m
Alagoa Bay (see Maputo Bay)	Mozambique	ca.	25° 59' 00" S 32° 42' 00" E	
Alajuz (see Al'Ajuz (well))	South Sudan		9° 53' 00" N 25° 04' 00" E	526 m
Al'Ajuz (well) (see also: Alajuz)	South Sudan		9° 53' 00" N 25° 04' 00" E	526 m
Alamaya (see Alem Maya)	Ethiopia		9° 23' 41" N 42° 00' 47" E	2000 m
Alambi	Congo (Democratic Republic of the)		2° 07' 00" N 28° 49' 00" E	913 m
Alamer (see Amaler)	Kenya		1° 38' 06" N 35° 46' 41" E	
Alaotra, lake, near (see Farihy Alaotra (lake), near)	Madagascar	ca.	17° 27' 55" S 48° 31' 30" E	
Al'Arish (see also: Al Arish, City of Cut Noses, El Arish, El-'Arîsh, Rhinocolorum, Rhinocolura, Rhinocorura, Rhinokorura)	Egypt		31° 07' 34" N 33° 48' 07" E	33 m
Alaska Mine, 10 mi [=16 km] N (see Manyambara)	Zimbabwe		17° 00' 00" S 29° 30' 00" E	
Alatish National Park, ca 500 km NW Addis Abeba	Ethiopia	ca.	12° 00' 00" N 35° 30' 00" E	
Al-Baida (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Albany district	South Africa	ca.	27° 15' 00" S 26° 58' 00" E	
Albatros (see Albatross), Gazankulu	South Africa		24° 31' 00" S 31° 25' 00" E	
Albatross, Gazankulu (see also: Albatros)	South Africa		24° 31' 00" S 31° 25' 00" E	
al-Bawiti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
Albert Edward Nyanza (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Albert Edward Nyanza (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	

Albert Falls Nature Reserve, 20 km N Pietermaritzburg (see also: Albert Falls Public Resort, Albert Falls Resource Reserve)	South Africa		29° 26' 45" S 30° 25' 43" E	
Albert Falls Public Resort (see Albert Falls Nature Reserve)	South Africa		29° 27' 00" S 30° 24' 00" E	
Albert Falls Resource Reserve (see Albert Falls Nature Reserve)	South Africa		29° 26' 45" S 30° 25' 43" E	
Albert meer (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Albert National Park (see Virunga National Park)	Congo (Democratic Republic of the)		1° 00' 00" S 29° 15' 00" E	
Albert Nyanza (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Albert Nyanza, 20 mi [=32 km] S of East of Center of lake	Uganda	ca.	1° 28' 49" N 31° 11' 54" E	
Albert, lac (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Albert, lake, border Congo-Uganda (see also: Albert meer, Albert Nyanza, Albert, lac, Bantu Lueru, Bentu Lueru, Lac Albert, Lake Albert, Lake Mobutu Sese Seko, Luta Nzige, Mobutu Sese Seko, lake, Muite Nzige, Mwittanzige)	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Albertstad (see Kalemie)	Congo (Democratic Republic of the)		5° 56' 00" S 29° 12' 00" E	763 m
Albertville (see Kalemie)	Congo (Democratic Republic of the)		5° 56' 00" S 29° 12' 00" E	763 m
Albertville-Moba (road?) (see Kalemie-Moba (road?))	Congo (Democratic Republic of the)		5° 57' 00" S 29° 01' 00" E	
Aldabra Island	Seychelle Islands		9° 25' 00" S 46° 22' 00" E	
Aldabra Research Station	Seychelle Islands			
Aldabra Settlement	Seychelle Islands			
Al-Dakha (see Cape Bon)	Tunisia		37° 05' 00" N 11° 02' 20" E	
Aldeia Chiuta (see also: Chiúta, Chuta)	Mozambique		15° 33' 44" S 33° 17' 23" E	800 m
Aldeia Milepa, Rukwa valley (see also: Milepa)	Mozambique		11° 44' 02" S 36° 17' 32" E	476 m
Aldeia Muchena (see also: Massamba, 10 mi [=16 km] E, Muchena, Tetane Muchena)	Mozambique		15° 40' 56" S 33° 48' 20" E	356 m
Alebtong district	Uganda			
Aledjo (see Alédjo Kadara)	Togo		9° 15' 00" N 1° 12' 00" E	612 m
Alédjo Kadara (see also: Aledjo)	Togo		9° 15' 00" N 1° 12' 00" E	612 m
Aleg Post Office	Mauritania		17° 02' 53" N 13° 55' 15" W	43 m
Aleg, 3 km S	Mauritania		17° 02' 00" N 13° 55' 00" W	
Alem Maya (see also: Alamaya, Alemay, Alemaya)	Ethiopia		9° 23' 41" N 42° 00' 47" E	2000 m
Alemay (see Alem Maya)	Ethiopia		9° 23' 41" N 42° 00' 47" E	2000 m
Alemaya (see Alem Maya)	Ethiopia		9° 23' 41" N 42° 00' 47" E	2000 m
Alen, 3 km W of Maan	Cameroon		2° 23' 00" N 10° 34' 00" E	197 m
Alessandria (see Al Iskandariyah)	Egypt		31° 11' 53" N 29° 55' 09" E	4 m
Alexander Bay, 36.2 km N, 47.5 km E (see Richtersveld)	South Africa		28° 17' 29" S 16° 58' 13" E	480 m
Alexanderskraal, Farm (see Farm Alexanderskraal)	South Africa		32° 18' 35" S 23° 25' 00" E	3000 ft
Alexandria	South Africa		33° 39' 00" S 26° 25' 00" E	195 m
Alexandria (see Al Iskandariyah)	Egypt		31° 11' 53" N 29° 55' 09" E	4 m
AlexaPC:IK|)	Egypt			
Alexandria, 40 km W (see Burj al'Arab)	Egypt		30° 55' 00" N 29° 32' 00" E	9 m
Alexandrie (see Al Iskandariyah)	Egypt		31° 11' 53" N 29° 55' 09" E	4 m
Alfred Nzo district	South Africa			
Al-Fustat (see Misr al Qadimah)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
Alger (see also: Al Jazair, Algeri, Algier, Algiers, Al-jezair)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Alger province	Algeria			
Algeri (see Alger)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Algeria	Algeria			
Algeria (see Algeria Forestry Station)	South Africa		32° 23' 00" S 19° 04' 00" E	
Algeria Forestry Station (see also: Algeria, Algeria State Forest, Clanwilliam, 28 km SSE)	South Africa		32° 23' 00" S 19° 04' 00" E	
Algeria State Forest (see Algeria Forestry Station)	South Africa		32° 23' 00" S 19° 04' 00" E	
Algerian Sahara	Algeria			
Algerian Sahara	Algeria			
Al-Ghardaq (see Al Ghardaqah)	Egypt		27° 08' 00" N 33° 50' 00" E	
Algier (see Alger)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Algiers (see Alger)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Alhacemas (see Al Hoceïma)	Morocco		35° 14' 24" N 3° 55' 48" W	153 m

Alhucemas (see Al Hoceïma)	Morocco		35° 14' 24" N 3° 55' 48" W	153 m
Ali Sabieh and Dikhil, between (see also: Ali Sabieh and Dikkit, between)	Djibouti	ca.	11° 08' 56" N 42° 32' 06" E	
Ali Sabieh and Dikkit, between (see Ali Sabieh and Dikhil, between)	Djibouti	ca.	11° 08' 56" N 42° 32' 06" E	
Ali Sabieh region	Djibouti			
Alibori department	Benin			
Alice	South Africa		32° 47' 00" S 26° 50' 00" E	493 m
Alicedale	South Africa		33° 18' 00" S 26° 05' 00" E	300 m
Alima	Congo (Democratic Republic of the)		0° 35' 00" N 29° 18' 00" E	
Alimbo Ferry Road, near Calabar	Nigeria		5° 00' 00" N 8° 00' 00" E	
Alipago (see also: Alipango, Alipaye, Alipei)	Congo (Democratic Republic of the)		3° 34' 00" N 25° 44' 00" E	565 m
Alipango (see Alipago)	Congo (Democratic Republic of the)		3° 34' 00" N 25° 44' 00" E	565 m
Alipaye (see Alipago)	Congo (Democratic Republic of the)		3° 34' 00" N 25° 44' 00" E	565 m
Alipei (see Alipago)	Congo (Democratic Republic of the)		3° 34' 00" N 25° 44' 00" E	565 m
Aliwal North, Roodewal (see also: Aliwal-Noord)	South Africa		30° 42' 00" S 26° 42' 00" E	1360 m
Aliwal-Noord (see Aliwal North), Roodewal	South Africa		30° 42' 00" S 26° 42' 00" E	1360 m
Al-Jabal Al-Akhdar district (see also: Al Jabal Al Akhdar district |PC:JK|, Jabal al Akhdar district |PC:JK|)	Libya			
Al-jezair (see Alger)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Al-Kharga (see El Wadi El Gedid governorate)	Egypt		25° 26' 00" N 30° 33' 00" E	32 m
Alldays, 32 km NE (see Farm Hilda [=V.L.NR.])	South Africa		22° 19' 00" S 29° 14' 00" E	
Alldays, 32 km NE (see Farm Luna 61MS [=V.L.N.R.])	South Africa		22° 22' 00" S 29° 21' 00" E	
Alldays, 32 km NE (see Farm Regina 68 [=V.L.N.R.])	South Africa		22° 22' 48" S 29° 16' 12" E	
Allemans Drift, Farm (see Farm Allemans Drift), Philippolis	South Africa		30° 32' 00" S 25° 20' 00" E	
Allemansdrift, Farm (see Farm Allemans Drift), Philippolis	South Africa		30° 32' 00" S 25° 20' 00" E	
Allen's Farm	Swaziland		26° 33' 00" S 31° 16' 00" E	
Alma, Farm (see Farm Alma)	South Africa		29° 40' 00" S 25° 06' 00" E	
Al-Mweleh (see Al Muwayli?), Red Sea Coast	Saudi Arabia		27° 41' 00" N 35° 28' 00" E	0 m
Al-Mwêle? (see Al Muwayli?), Red Sea Coast	Saudi Arabia		27° 41' 00" N 35° 28' 00" E	0 m
Al-'Obêd (see Al Ubayyi?)	Sudan		13° 11' 00" N 30° 13' 00" E	609 m
Alosa, near Niefang (see also: Finca Bartolomé)	Equatorial Guinea	ca.	1° 51' 00" N 10° 14' 00" E	400 m
Alosa, forest exploitation near	Equatorial Guinea	ca.	1° 51' 00" N 10° 14' 00" E	400 m
Alte Feste	Namibia		22° 37' 30" S 17° 07' 30" E	
Al-te-ver, Farm 103 (see Farm Al-te-ver 103), 1 km SSE Maastroom	South Africa		22° 46' 00" S 28° 28' 00" E	
Alto Chicapa (see also: Alto Chikapa, Alto Shikapa)	Angola		10° 53' 00" S 19° 14' 00" E	1305 m
Alto Chikapa (see Alto Chicapa)	Angola		10° 53' 00" S 19° 14' 00" E	1305 m
Alto Cuilo (see also: Alto Kwilu, Cuilo)	Angola		10° 01' 00" S 19° 33' 00" E	1264 m
Alto Kwilu (see Alto Cuilo)	Angola		10° 01' 00" S 19° 33' 00" E	1264 m
Alto Shikapa (see Alto Chicapa)	Angola		10° 53' 00" S 19° 14' 00" E	1305 m
Alto Zambeze (see Calunda)	Angola		12° 07' 00" S 23° 28' 00" E	1487 m
Al-Tur (see At Tur)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
Alverstone Lot 514	South Africa		29° 45' 36" S 30° 43' 16" E	
Al-Wayet Shakshuk (see Shakshuk)	Egypt		29° 27' 46" N 30° 42' 26" E	
Amabele	South Africa		32° 39' 00" S 27° 32' 00" E	800 m
Amadi	South Sudan		5° 30' 57" N 30° 20' 09" E	485 m
Amadjabe	Congo (Democratic Republic of the)		0° 04' 00" S 25° 17' 00" E	
Amajuba district	South Africa			
Amakura, 10 mi [=16 km] N Nambale (see also: Amukara, Amukura, Amukura Mission, Nambale,10 mi [=16 km] N, Saint Paul's Amukura Secondary School)	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Amaler (see also: Alamer)	Kenya		1° 38' 06" N 35° 46' 41" E	762 m
Amalinda	South Africa		32° 59' 00" S 27° 51' 00" E	125 m
Aman, 10 km from Bata, on road to Mbini (see also: Bata, 10 km from, on road to Mbini)	Equatorial Guinea		1° 46' 18" N 9° 46' 32" E	592 m
Aman (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Amana (reef)	Tanzania		8° 42' 17" S 39° 27' 10" E	
Amana Island	Tanzania		8° 42' 17" S 39° 27' 10" E	
Amangundu	Congo (Democratic Republic of the)		0° 45' 00" N 29° 48' 00" E	700 m
Amani	Tanzania		5° 06' 00" S 38° 38' 00" E	
Amani Chemka	Tanzania		5° 06' 00" S 38° 38' 00" E	

Amani Nature Forest Reserve, NW-side	Tanzania		5° 07' 32" S 38° 34' 50" E	945 m
Amani West Forest Reserve	Tanzania		5° 06' 00" S 38° 38' 00" E	3000 ft
Amani, 4.5 km ESE (see Monga Tea Estate)	Tanzania		5° 06' 00" S 38° 36' 00" E	
Amani, 4.5 km WNW	Tanzania	ca.	5° 06' 00" S 38° 38' 00" E	
Amani, 8 km NWN	Tanzania	ca.	5° 06' 00" S 38° 38' 00" E	
Amani, 8 km NWN (see Bulwa Tea Estate)	Tanzania		5° 00' 00" S 38° 38' 00" E	1000 m
Amani-Sigi Forest Reserve	Tanzania		5° 07' 00" S 38° 39' 00" E	635 m
Amanza Tunqayo (see Victoria Falls), Dibutibu River, Batoka	Zimbabwe		17° 55' 00" S 25° 51' 00" E	
Amanzi Estate, 4 mi [=6.4 km] N Despatch (see also: Despatch, 4 mi [=6.4 km] N)	South Africa		33° 45' 00" S 25° 28' 00" E	
Amanzimtoti	South Africa		30° 03' 00" S 30° 52' 48" E	
Amatikulu Mountain	South Africa		29° 41' 42" S 30° 55' 12" E	
Amatole district	South Africa			
Amatupi river (see Abatupi river)	Congo (Democratic Republic of the)		0° 45' 00" N 29° 49' 00" E	700 m
Ambadiramique	Madagascar			
Ambahibe cave, 2 km W Mahamasina (see also: Grotte d'Ambahibe, Mahamasina, 2 km W)	Madagascar		12° 58' 04" S 49° 07' 14" E	80 m
Ambalanjanakomby, 25 km SW (see also: Ambalantanakomby, 25 km SW)	Madagascar	ca.	16° 47' 01" S 46° 56' 40" E	
Ambalantanakomby, 25 km SW (see Ambalanjanakomby, 25 km SW)	Madagascar	ca.	16° 47' 01" S 46° 56' 40" E	
Ambalavao	Madagascar			
Ambalavao, 43 km S (see Andringitra National Park)	Madagascar		22° 09' 24" S 46° 52' 32" E	
Amballiala	Madagascar			
Ambam, 10 km S, 5 km E	Cameroon		2° 17' 00" N 11° 19' 00" E	
Ambam, 13 km S, 5 km E	Cameroon		2° 16' 00" N 11° 21' 00" E	
Amban, 13 km S, 8 km E	Cameroon		2° 16' 00" N 11° 21' 00" E	
Ambangulu Estate	Tanzania		5° 05' 00" S 38° 26' 00" E	
Ambani caves, 3 mi N Tanga (see also: Tanga, 3 mi [=4.8 km] N)	Tanzania		5° 04' 00" S 39° 03' 00" E	
Ambanilia cave (see Grotte d'Ambanilia)	Madagascar		23° 32' 24" S 43° 46' 01" E	
Ambanizana (see also: Benjana)	Madagascar		15° 37' 00" S 49° 58' 00" E	255 m
Ambanja	Madagascar		13° 41' 00" S 48° 27' 00" E	148 m
Ambanja, 6 km SE	Madagascar	ca.	13° 41' 00" S 48° 27' 00" E	
Ambarao (see Ambarau)	Congo (Democratic Republic of the)		3° 10' 00" N 29° 44' 00" E	867 m
Ambarau (see also: Ambarao)	Congo (Democratic Republic of the)		3° 10' 00" N 29° 44' 00" E	867 m
Ambatobe, W slope mount, 1.2 km ENE Ampatramary, 9.5 km NE Midongy su Sud (see also: Ampatramary, 1.2 km ENE and Midongy su Sud, 9.5 km NE)	Madagascar		23° 30' 01" S 47° 03' 00" E	650 m
Ambatofinandra	Madagascar		20° 34' 19" S 46° 48' 32" E	
Ambatofinandrahana, 3 km S (see also: unnamed cave)	Madagascar		20° 34' 20" S 46° 48' 32" E	1450 m
Ambatoharanana cave (see also: Amboandriky, 2.2 km ESE, Crocodile cave, Grotte d'Ambatoharanana)	Madagascar		12° 59' 18" S 49° 01' 18" E	20 m
Ambatolampy	Madagascar			
Ambatondrazaka (see also: Ambatonoradrazaka)	Madagascar		17° 50' 00" S 48° 25' 00" E	847 m
Ambatondrazaka prefecture	Madagascar			
Ambatonntaniba, on the Tanandra River, near Tamatave	Madagascar			
Ambatonoradrazaka (see Ambatondrazaka)	Madagascar		17° 50' 00" S 48° 25' 00" E	847 m
Ambavafatra	Madagascar		22° 08' 58" S 47° 01' 25" E	1300 m
Ambery, 5.5 km SE (see Andavadrano)	Madagascar		12° 50' 38" S 49° 20' 54" E	330 m
Ambila-Lemaitso	Madagascar		18° 50' 00" S 49° 09' 00" E	9 m
Ambinanylalangy, Vatovavy-Fitovinany region, 6.98 km NE Kianjavato (see also: Ambinany-Lalangy, Kianjavato, 6.98 km NE)	Madagascar		21° 20' 33" S 47° 55' 15" E	
Ambinany-Lalangy (see Ambinanylalangy)	Madagascar		21° 20' 33" S 47° 55' 15" E	
Ambinda	Madagascar		18° 01' 41" S 44° 29' 45" E	223 m
Ambo (see Palé)	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m
Amboandriky, 2.2 km ESE (see Ambatoharanana cave)	Madagascar		12° 59' 18" S 49° 01' 18" E	20 m
Amboasari, 15 km SW Vinanitelo (see also: Amboasary (2))	Madagascar		21° 26' 00" S 47° 37' 00" E	492 m
Amboasary (1), Anjozorobe	Madagascar		18° 24' 18" S 47° 56' 42" E	
Amboasary (2) (see Amboasari), 15 km SW Vinanitelo	Madagascar		21° 26' 00" S 47° 37' 00" E	492 m
Amboasary, 12 km ENE and Ranopiso, 20 km WNW (see Itaranta River, near)	Madagascar		25° 05' 00" S 46° 28' 00" E	40 m
Amboasary, 24 km (by road) NNE	Madagascar		24° 52' 00" S 46° 27' 00" E	80 m

Amboasary, ca 20 km (by road) NNE	Madagascar		24° 52' 00" S 46° 27' 00" E	
Amboasoary	Madagascar			
Ambodi Mangy (see also: Maroantsetra, 20 km SW)	Madagascar		15° 34' 00" S 49° 36' 00" E	
Ambodiamontana, ca 7 km (by road) W Ranomafana (see also: Ranomafana, ca 7 km (by road) W)	Madagascar		21° 16' 01" S 47° 25' 59" E	950 m
Ambodiriana, 20 km SW Perinet (see also: Périnet, 20 km SW)	Madagascar		19° 01' 00" S 48° 21' 00" E	
Ambohi (see Ambohimitombo)	Madagascar		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohibeloma, 3.2 km W Anjozorobe (see also: Anjozorobe, 3.2 km W)	Madagascar		18° 24' 32" S 47° 51' 06" E	
Ambohijoky, 17 km S Tananarive, Palace-Castle Rock (see also: Antananarivo, 17 km S, Palace Rock, Tananarive, 17 km S)	Madagascar		19° 03' 00" S 47° 29' 00" E	1340 m
Ambohimahavelona	Madagascar		23° 26' 00" S 43° 54' 00" E	
Ambohimanana, 2 km SW Vinanitelo (see also: Vinanitelo, 21 km SW)	Madagascar		21° 26' 00" S 48° 05' 00" E	44 m
Ambohimirija caves (see Namoroka)	Madagascar		16° 24' 00" S 45° 17' 00" E	80 m
Ambohimitambo (see Ambohimitombo)	Madagascar		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitambo forest (see Ambohimitombo)	Madagascar		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitembo (see Ambohimitombo)	Madagascar		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitombo (see also: Ambohi, Ambohimitambo, Ambohimitambo forest, Ambohimitembo)	Madagascar		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohitantely	Madagascar		18° 10' 00" S 47° 17' 00" E	1519 m
Ambohitantely Special Reserve (see Réserve Spéciale d'Ambohitantely)	Madagascar		18° 10' 00" S 47° 17' 00" E	
Ambohitra (see also: Joffreville)	Madagascar		12° 29' 00" S 49° 12' 00" E	743 m
Ambohitra, 5.5 km SW (see Parc National de la Montagne d'Ambre)	Madagascar		12° 31' 00" S 49° 10' 00" E	1000 m
Ambohitra, 6 km S (see also: Ambre, mount, Joffreville, 6 km S, Montagne d'Ambre (Parc National), Mount Ambre)	Madagascar		12° 37' 00" S 49° 09' 00" E	1000 m
Ambohitra, 6 mi [=9.6 km] S (see Ambohitra, 6 mi [=9.6 km] S) (see also: Ambohitra, 6 mi [=9.6 km] S, Joffreville, 6 mi [=9.6 km] S)	Madagascar	ca.	12° 37' 00" S 49° 09' 00" E	
Ambondramamy	Madagascar		16° 26' 10" S 47° 09' 22" E	
Ambondromifehy, 10.5 km NE (see Matsaborimadio, at edge of), Andavaka Matsaborimadio	Madagascar		12° 48' 38" S 49° 15' 15" E	290 m
Amboni	Tanzania		5° 04' 00" S 39° 03' 00" E	
Amboni Cave Forest (see Mkulumuzi River Gorge), 2.5 km W Tanga	Tanzania		5° 04' 00" S 39° 03' 00" E	36 m
Amboni caves, 3 mi N Tanga (see also: Mkulumuzi caves, Siga caves)	Tanzania		5° 04' 00" S 39° 03' 00" E	
Amboseli	Kenya		2° 40' 00" S 37° 17' 00" E	1152 m
Amboseli Game Reserve (see also: Amboseli National Reserve , Masai Amboseli Game Reserve)	Kenya	ca.	2° 30' 00" S 37° 00' 00" E	
Amboseli National Reserve (see Amboseli Game Reserve)	Kenya	ca.	2° 30' 00" S 37° 00' 00" E	
Amboseli, lake (see also: Lake Amboseli)	Kenya			
Ambositra	Madagascar		20° 31' 00" S 47° 15' 00" E	
Ambotelafer	Madagascar			
Amboua (see Ambouli)	Djibouti		11° 34' 10" N 43° 08' 12" E	9 m
Ambouli (see also: Amboua, Ambua, H_oumbouli)	Djibouti		11° 34' 10" N 43° 08' 12" E	9 m
Ambovombe	Madagascar		25° 10' 00" S 46° 05' 00" E	135 m
Ambovombe, near (see Lower Fiherenana Valley)	Madagascar	ca.	25° 10' 00" S 46° 05' 00" E	
Ambovondramanesy, village near Berivotra, on RN4	Madagascar		15° 54' 00" S 46° 35' 00" E	
Ambre mountain National Park (see Parc National de la Montagne d'Ambre), 5.5 km SW Joffreville [=Ambohitra]	Madagascar		12° 31' 00" S 49° 10' 00" E	1000 m
Ambre, mount (see Ambohitra, 6 km S), 6 km S Joffreville	Madagascar		12° 37' 00" S 49° 09' 00" E	1000 m
Ambrisette (see N'zeto)	Angola		7° 14' 00" S 12° 52' 00" E	6 m
Ambriz	Angola		7° 51' 00" S 13° 07' 00" E	0 m
Ambrizete (see N'zeto)	Angola		7° 14' 00" S 12° 52' 00" E	6 m
Ambrizette (see N'zeto)	Angola		7° 14' 00" S 12° 52' 00" E	6 m
Ambua (see Ambouli)	Djibouti		11° 34' 10" N 43° 08' 12" E	9 m
Amdat (see Amudat), (ex Karamoja district?)	Uganda		1° 57' 00" N 34° 57' 00" E	1223 m
Amdroimpano cave (see Grotte d'Amdroimpano)	Madagascar		24° 39' 01" S 43° 57' 48" E	110 m
Amedjofe (see Amedzofe)	Ghana		6° 51' 00" N 0° 26' 00" E	677 m
Amedschovhe (see Amedzofe)	Ghana		6° 51' 00" N 0° 26' 00" E	677 m
Amedschowe (see Amedzofe)	Ghana		6° 51' 00" N 0° 26' 00" E	677 m

Amedzofe (see also: Amedjofe, Amedschovhe, Amedschowe, Amedzope, Ameiope, Amejove)	Ghana		6° 51' 00" N 0° 26' 00" E	677 m
Amedzope (see Amedzofe)	Ghana		6° 51' 00" N 0° 26' 00" E	677 m
Ameiope (see Amedzofe)	Ghana		6° 51' 00" N 0° 26' 00" E	677 m
Amejove (see Amedzofe)	Ghana		6° 51' 00" N 0° 26' 00" E	677 m
American cave (see Farm Uitkomst 499)	South Africa		25° 54' 00" S 27° 46' 00" E	
Ameur, Aïoun, near (see Aïoun Ameur, near), 4 km S Redeyef	Tunisia	ca.	34° 19' 00" N 8° 09' 00" E	
Amhara state	Ethiopia			
Ami river	Kenya		2° 59' 00" S 38° 28' 00" E	1067 m
Amiel, 45 mi ESE Kitgum (see also: Kitgum, 45 mi [=72 km] ESE)	Uganda		2° 58' 00" N 33° 27' 00" E	1137 m
Amir, 'Uyun, near (see Aïoun Ameur, near), 4 km S Redeyef	Tunisia	ca.	34° 19' 00" N 8° 09' 00" E	
Amirante Island	Seychelle Islands		6° 00' 00" S 53° 10' 00" E	
Amjale	Ethiopia		12° 30' 00" N 35° 38' 00" E	535 m
Amol Tonyi area	South Sudan	ca.	8° 58' 27" N 28° 28' 24" E	
Amolatar district	Uganda			
Amousso Kopé (see Amoussokopé)	Togo		6° 40' 00" N 0° 51' 00" E	
Amoussokopé (see also: Amousso Kopé, Amouzoukopé)	Togo		6° 40' 00" N 0° 51' 00" E	
Amouzoukopé (see Amoussokopé)	Togo		6° 40' 00" N 0° 51' 00" E	
Ampanibe, N Bank Manampanihy/Iavibola River	Madagascar		24° 16' 01" S 47° 19' 07" E	25 m
Ampara Fara (see Amparafara), Perinet, Moramanga, Tamatave	Madagascar		18° 41' 00" S 47° 35' 00" E	1373 m
Amparafara, Perinet, Moramanga, Tamatave (see also: Ampara Fara)	Madagascar		18° 41' 00" S 47° 35' 00" E	1373 m
Ampasimanolotra (see also: Brickaville, Vohibinany)	Madagascar		18° 49' 00" S 49° 04' 00" E	3 m
Ampasimanolotra district (see also: Brickaville district, Vohibinany district)	Madagascar	ca.	18° 49' 04" S 49° 04' 21" E	
Ampasy (see Ampasy Nahampoana)	Madagascar		24° 58' 00" S 46° 59' 00" E	63 m
Ampasy Nahampoana, 7 km NNW Tolagnaro (see also: Ampasy, Nahampoana, Tolagnaro, 7 km NNW)	Madagascar		24° 58' 00" S 46° 59' 00" E	63 m
Ampasy Nahampoana Forest (see also: Nahampoana Forest)	Madagascar	ca.	24° 58' 00" S 46° 59' 00" E	
Ampatramary, 1.2 km ENE and Midongy su Sud, 9.5 km NE (see Ambatobe, W slope mount)	Madagascar		23° 30' 01" S 47° 03' 00" E	650 m
Ampidirabe forest (see Forêt d'Ampidirabe)	Madagascar	ca.	18° 31' 45" S 44° 36' 35" E	
Ampijoara Forest (see Mkhotakota district)	Madagascar	ca.	16° 18' 00" S 46° 49' 00" E	
Ampijoara, lake (see Ampijoroa)	Madagascar	ca.	16° 18' 00" S 46° 49' 00" E	
Ampijoroa, ca 40 km S Marovoay (see also: Ampijoara, lake, Ampyoara, Marovoay, ca 40 km S)	Madagascar	ca.	16° 18' 00" S 46° 49' 00" E	
Ampirojoa forest (see Forêt d'Ampirojoa)	Madagascar		16° 18' 54" S 46° 48' 36" E	100 m
Ampitambé (1), N of Moramanga	Madagascar		18° 51' 00" S 48° 15' 00" E	913 m
Ampitambé (2), 45 km ESE Fandriana (see also: Fandriana, 45 km ESE)	Madagascar	ca.		900 m
Ampotaka	Madagascar			
Ampyoara (see Ampijoroa)	Madagascar	ca.	16° 18' 00" S 46° 49' 00" E	
Amsterdam, 2 km NE (see Farm Tweepoort 404)	South Africa		26° 36' 00" S 30° 43' 00" E	
Amu (see Lamu)	Kenya		2° 16' 42" S 40° 54' 12" E	1 m
Amu Town, NW of (see Lamu (town), NW of)	Kenya	ca.	2° 16' 42" S 40° 54' 12" E	1 m
Amudat, (ex Karamoja district?) (see also: Amdat)	Uganda		1° 57' 00" N 34° 57' 00" E	
Amudat district	Uganda			
Amukara (see Amakura), 10 mi [=16 km] N Nambale	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Amukura (see Amakura), 10 mi [=16 km] N Nambale	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Amukura Mission (see Amakura), 10 mi [=16 km] N Nambale	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Amuria	Uganda		2° 00' 13" N 33° 39' 04" E	1096 m
Amuria district	Uganda			
Amuru district	Uganda			
Amwini River (see also: Bornili)	Amwini River			
An Nabbakah [wells] (see also: En Nabbaka [wells])	Sudan		12° 36' 00" N 29° 56' 00" E	
An Nafi?ah (see Enfida), Bou Ficha	Tunisia		36° 08' 07" N 10° 22' 51" E	12 m
An NiPC:WN|)	Sudan			
An NiPC:BN|)	Sudan			
An Nugat al Khams district (see also: Nugat al Khams district |PC:NK|)	Libya			
Anagam (see Foum Anagame), Oued Draâ	Morocco		30° 07' 48" N 5° 37' 48" W	
Analabe forest (see Analabe, forêt de)	Madagascar			

Analabe, forêt de, near Lac Sahaka (see also: Analabe forest, Andrafiabe cave, forest near, Andrafiabe, 2.6 km E, Forêt d'Analabe, Grotte d'Andrafiabe, forêt près de)	Madagascar			
Analalava	Madagascar		24° 42' 00" S 47° 02' 00" E	46 m
Analalava Forest, 6 km N Manantenina (see also: Forêt d'Analalava, Manantenina, 6 km N)	Madagascar		24° 12' 00" S 47° 16' 00" E	ca. 20 m
Analamangabe	Madagascar		22° 29' 08" S 45° 23' 02" E	
Analamazaotra forest (see Andasibe), E of Moramanga	Madagascar		18° 56' 00" S 48° 25' 00" E	921 m
Analamerana Special Reserve (see also: Forêt d'Analamerana, Réserve Spéciale d'Analamerana)	Madagascar		12° 44' 00" S 49° 32' 00" E	
Anam (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Anamabo (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anamaboe (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anamabu (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anamabu Castle (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anambra Creek (see Aguleri)	Nigeria		6° 20' 00" N 6° 53' 00" E	82 m
Anambra state	Nigeria			
Ancien Beni (see Vieux Beni)	Congo (Democratic Republic of the)		0° 26' 00" N 29° 33' 00" E	585 m
Anda	Côte d'Ivoire		5° 10' 00" N 4° 39' 00" W	
Andadoany, 1.8 km SE and 0.6 km NE (see Bekopake), just outside the limit of the Parc national de Bemaraha	Madagascar		19° 09' 00" S 44° 48' 00" E	27 m
Andakaty, cave, 2.9 km N Betsiaka, Foret d'Andavakoera (see also: Betsiaka, 2.9 km N , Grotte d'Andakaty)	Madagascar		13° 07' 47" S 49° 14' 02" E	210 m
Andalabezo cave (see Forêt des Mikea (1))	Madagascar		22° 30' 00" S 43° 23' 00" E	15 m
Andalambezo cave (see Forêt des Mikea (1))	Madagascar		22° 30' 00" S 43° 23' 00" E	15 m
Andalusia (see Jan Kempdorp), Agriculture station	South Africa		27° 55' 00" S 24° 51' 00" E	
Andasibe (see also: Analamazaotra forest, Périnet)	Madagascar		18° 56' 00" S 48° 25' 00" E	921 m
Andavadrano, 5.5 km SE Ambery (see also: Ambery, 5.5 km SE)	Madagascar		12° 50' 38" S 49° 20' 54" E	330 m
Andavadrano	Madagascar			
Andavakoera	Madagascar		13° 05' 49" S 49° 15' 16" E	165 m
Andoany (see also: Hell-Ville, Helville)	Madagascar		13° 24' 00" S 48° 16' 00" E	0 m
Andoany, 3 km N (see also: Hell-Ville, 3 km N, Helville, 3 km N)	Madagascar	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Andrafia (see Andrafiavelo), 42 km NE Maintirano	Madagascar		17° 46' 00" S 44° 13' 00" E	75 m
Andrafiabe	Madagascar			
Andrafiabe cave (see Grotte d'Andrafiabe)	Madagascar	ca.	12° 55' 54" S 49° 03' 24" E	
Andrafiabe cave, forest near (see Analabe, forêt de), 2.6 km E Andrafiabe	Madagascar			50 m
Andrafiabe, 2.6 km E (see Analabe, forêt de)	Madagascar			50 m
Andrafiabe, 3.5 km ESE (see Grotte d'Andrafiabe)	Madagascar	ca.	12° 55' 54" S 49° 03' 24" E	
Andrafiabe, 3.5 km SE	Madagascar		12° 56' 31" S 49° 03' 18" E	50 m
Andrafiavelo, 42 km NE Maintirano (see also: Andrafia, Andriafavelo, Maintirano, 42 km NE)	Madagascar		17° 46' 00" S 44° 13' 00" E	75 m
Andrahaha Cave	Madagascar			
Andrahomana cave	Madagascar	ca.	25° 11' 00" S 46° 40' 00" E	
Andraina, 2 km W	Madagascar	ca.	20° 23' 04" S 47° 26' 28" E	
Andrambovato, 2 km NE	Madagascar		21° 30' 00" S 47° 27' 00" E	550 m
Andrandoka	Madagascar			
Andranoboka, caves (see Anjohibe Cave), NCC-1 deposit	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Andranohinalahy (see Andranohinaly)	Madagascar		23° 17' 00" S 43° 59' 00" E	301 m
Andranohinaly (see also: Andranohinalahy)	Madagascar		23° 17' 00" S 43° 59' 00" E	301 m
Andranoilovy cave (see also: Grotte d'Andranoilovy)	Madagascar		24° 03' 00" S 43° 45' 00" E	
Andranokova (see Canyon des Singes)	Madagascar	ca.	22° 30' 00" S 45° 24' 00" E	
Andranomandray	Madagascar			
Andranomandroy	Madagascar			
Andranomanitsy Forest, 24.5 km N Besalampy (see also: Besalampy, 24.5 km N)	Madagascar		16° 31' 28" S 44° 29' 23" E	35 m
Andranomathy cave (see also: Grotte d'Andranomathy)	Madagascar			
Andranomavo, 32 km NW, near source of Mandevy River	Madagascar		16° 22' 48" S 45° 20' 42" E	100 m
Andranomboalavo	Madagascar	ca.	22° 33' 00" S 45° 23' 00" E	
Andranomilitry, cave (see Ihosy (commune rurale)), Ankily	Madagascar		22° 23' 07" S 46° 03' 23" E	950 m
Andranovory forest	Madagascar		22° 59' 00" S 44° 32' 00" E	1647 ft
Andranto (see Anorotsangana)	Madagascar		13° 55' 00" S 47° 55' 00" E	0 m

Andranto (see Anorotsangana)	Madagascar		13° 54' 55" S 47° 55' 19" E	0 m
Andreaba	Madagascar		22° 31' 00" S 46° 50' 00" E	734 m
Andreba (railroad station)	Madagascar		17° 38' 00" S 48° 32' 00" E	914 m
Andriabe site, 2 km SE Namoroka village	Madagascar	ca.	16° 28' 00" S 45° 20' 00" E	
Andriafavelo (see Andrafiavelo), 42 km NE Maintirano	Madagascar		17° 46' 00" S 44° 13' 00" E	75 m
Andriamamovoka	Madagascar		21° 14' 45" S 47° 23' 53" E	1112 m
Andries Vosloo Kudu Resserve, 19.2 km N, 18.3 km E Grahamstown (see also: Grahamstown, 19.2 km N, 18.3 km E)	South Africa		33° 08' 12" S 26° 43' 17" E	460 m
Andringitra (see Andringitra National Park)	Madagascar		22° 09' 24" S 46° 52' 32" E	
Andringitra National Park, 43 km S Ambalavao (see also: Ambalavao, 43 km S, Andringitra)	Madagascar		22° 09' 24" S 46° 52' 32" E	
Androbaha cave, on Onilahy river (see also: Grotte d'Androbaha)	Madagascar			
Androhibe, caves (see Anjohibe Cave), NCC-1 deposit	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Androka River, along, Ambanizana, 1.1 km S	Madagascar		15° 38' 03" S 49° 58' 07" E	5 m
Anécho (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Anécho, cercle de (see Préfecture d'Aného)	Togo		6° 22' 00" N 1° 40' 00" E	
Anécho, prefecture (see Préfecture d'Aného)	Togo		6° 22' 00" N 1° 40' 00" E	
Aného (see also: Anécho, Anekho, Anerho, Klein-Popo, Little Popo, Petit Popo)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Aného prefecture (see Préfecture d'Aného)	Togo		6° 22' 00" N 1° 40' 00" E	
Aného, circonscription de (see Préfecture d'Aného)	Togo		6° 22' 00" N 1° 40' 00" E	
Anekho (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Anengué lake (see Lake Anengué)	Gabon		1° 08' 29" S 9° 29' 29" E	
Anerho (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Angaradébou, near Alfakouara	Benin		11° 19' 23" N 3° 02' 22" E	
Angasilha [=?Angaziga]	Angasilha [=?Angaziga]			
Angavokely, granite caves (see also: Grottes de granite d'Angavokely)	Madagascar		18° 55' 00" S 47° 44' 00" E	ca. 1770 m
Ango	Congo (Democratic Republic of the)		4° 02' 00" N 25° 52' 00" E	610 m
Ango cave (see also: Ango grot, Grotte d'Ango)	Congo (Democratic Republic of the)		4° 02' 00" N 25° 52' 00" E	610 m
Ango grot (see Ango cave)	Congo (Democratic Republic of the)		4° 02' 00" N 25° 52' 00" E	610 m
Angola, W Africa = Lower Congo	Angola			
Angola	Angola			
Angolo	Sudan		10° 31' 00" N 34° 09' 00" E	
Angolo [camp]	Sudan		10° 30' 25" N 29° 57' 35" E	
Angu, near	Congo (Democratic Republic of the)	ca.	3° 33' 00" N 24° 28' 00" E	
Anguanamo, Lake Ngovi (see also: Bangue, lake, Igela Lagoon , Iguéla, Lagoon, Lagune d' Iguela, Lagune N'Gove , Lagune Ngobé , Lake Bangue , Lake N'Gové , Lake Ngovi, Ngobé, Lagoon, N'Gove, Lagoon, N'Gové, lake, Ngovi, lake)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Angumu (see also: Angumu Etat)	Congo (Democratic Republic of the)		0° 07' 00" S 27° 42' 00" E	859 m
Angumu Etat (see Angumu)	Congo (Democratic Republic of the)		0° 07' 00" S 27° 42' 00" E	859 m
Angwa bridge, 7 km SW	Zimbabwe		17° 15' 00" S 30° 00' 00" E	
Angwa River	Zimbabwe			
Anhwieso (see Sefwi Anwiawso)	Ghana		6° 19' 50" N 2° 15' 00" W	
Anibohimasina	Madagascar			
Anima Krom (see Animakrom), 6 mi [=9.7 km] N Princess Town	Ghana		4° 50' 12" N 2° 04' 46" W	73 m
Animakrom, 6 mi [=9.7 km] N Princess Town (see also: Anima Krom, Princess Town, 6 mi [=9.7 km] N)	Ghana		4° 50' 12" N 2° 04' 46" W	73 m
Animal Lodge	South Africa		29° 45' 40" S 30° 40' 24" E	
Aninzok (see Anisoc)	Equatorial Guinea		1° 36' 00" N 10° 04' 00" E	
Aninzok, 4 km W (see Anisoc)	Equatorial Guinea	ca.	1° 36' 00" N 10° 04' 00" E	
Anisoc (see also: Aninzok, Aninzok, 4 km W)	Equatorial Guinea		1° 36' 00" N 10° 04' 00" E	
Anisoc, 4 km W	Equatorial Guinea	ca.	1° 36' 00" N 10° 04' 00" E	
Anjajavy (see also: Jajavy)	Madagascar		15° 02' 00" S 47° 14' 00" E	112 m
Anjajavy, 18.5 km S (see Grotte d'Ankelimahogo)	Madagascar		15° 11' 26" S 47° 12' 10" E	50 m
Anjajavy, 26.5 km SW	Madagascar		15° 11' 52" S 47° 02' 32" E	0 m
Anjajavy, 3 km NE	Madagascar		15° 00' 28" S 47° 14' 20" E	10 m
Anjajavy, 4 km NE	Madagascar		14° 59' 43" S 47° 13' 55" E	10 m
Anjanaharibe sud Reserve	Madagascar		14° 42' 32" S 49° 27' 47" E	

Anjiro	Madagascar			
Anjohibe Cave, NCC-1 deposit, 3.7 km NE Antanamarina (see also: Andranoboka, caves, Androhibe, caves, Anjohibe Zohin', Antanamarina, 3.7 km NE, Grotte d'Anjohibe, Grottes d'Andranoboka, Grottes d'Androhibe, Grottes d'Anjohibe, Tsinjomitondraka)	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Anjohibe Zohin' (see Anjohibe Cave), NCC-1 deposit	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Anjohikely cave (south entrance) (see Grotte d'Anjohikely (south entrance)), 1.5 km NE Antanamasina	Madagascar		15° 33' 39" S 46° 52' 27" E	
Anjohikinakina cave, 15.5 km N Bekopaka (see also: Bekopaka, 15.5 km N, Grotte d'Anjohikinakina)	Madagascar		19° 00' 36" S 44° 46' 04" E	
Anjohimbovonomby	Madagascar		16° 28' 09" S 45° 20' 53" E	115 m
Anjohitantely	Madagascar		19° 08' 28" S 44° 48' 47" E	64 m
Anjoky cave (see also: Grotte d'Anjoky)	Madagascar			
Anjouan (see also: Johanna Island)	Comoro Islands		12° 15' 00" S 44° 25' 00" E	
AnjouPC:AN|)	Comoro Islands			
Anjozorobe, 13 km SE	Madagascar	ca.	18° 29' 45" S 47° 56' 43" E	
Anjozorobe, 3.2 km W (see Ambohibeloma)	Madagascar		18° 24' 32" S 47° 51' 06" E	
Ankapoka	Madagascar		19° 02' 42" S 44° 44' 06" E	
Ankapoky, ca 21 km NW Ranopiso (see also: Ranopiso, ca 21 km NW)	Madagascar		24° 59' 00" S 46° 30' 00" E	50 m
Ankarafantsika forest (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga	Madagascar		16° 09' 00" S 47° 02' 00" E	
Ankarafantsika Natural Reserve (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga	Madagascar		16° 09' 00" S 47° 02' 00" E	
Ankarafatsika National Park (see also: Parc National d' Ankarafatsika)	Madagascar			
Ankarana (see also: Ankarana caves, Ankarana Forest, Sosumau, Sosumav, Sosumaville)	Madagascar		13° 05' 00" S 48° 55' 00" E	94 m
Ankarana caves (see Ankarana)	Madagascar		13° 05' 00" S 48° 55' 00" E	94 m
Ankarana Forest (see Ankarana)	Madagascar		13° 05' 00" S 48° 55' 00" E	94 m
Ankarana National Park (see also: Parc National d'Ankarana, Réserve Spéciale d'Ankarana)	Madagascar		12° 56' 31" S 49° 03' 18" E	
Ankasi, on lake side, ?? mi from Ksi	Ghana	ca.	6° 22' 00" N 1° 34' 00" W	
Ankasi, 17 mi [=27 km] from Ksi [= Kumasi] (see also: Ksi, 17 mi [=27 km] from, Kumasi, 17 mi [=27 km] from)	Ghana		6° 39' 00" N 1° 22' 00" W	217 m
Ankavandra, N of (see also: Antananarivo, 193 km W)	Madagascar		18° 45' 00" S 45° 13' 00" E	
Ankavandra, near	Madagascar	ca.	18° 46' 00" S 45° 18' 00" E	119 m
Ankazoata, W of	Madagascar			
Ankazobe	Madagascar		18° 18' 50" S 47° 06' 50" E	
Ankazomborona	Madagascar		16° 06' 59" S 46° 45' 14" E	
Ankelimahogo cave (see Grotte d'Ankelimahogo)	Madagascar		15° 11' 26" S 47° 12' 10" E	50 m
Ankidrodroa, 2.5 m NE Bekopaka	Madagascar		19° 07' 54" S 44° 48' 30" E	100 m
Ankiliabo	Madagascar			
Ankiliabo, 11 km SSE (see Forêt de Beronto)	Madagascar		21° 46' 48" S 43° 58' 42" E	
Ankilibaka (see Ankililoaka)	Madagascar		22° 46' 03" S 43° 36' 57" E	95 m
Ankililoaka (see also: Ankilibaka)	Madagascar		22° 46' 03" S 43° 36' 57" E	95 m
Ankilizato, W of Ankavandra	Madagascar		18° 38' 05" S 44° 59' 37" E	
Ankiloaka, 9.5 km W (see Forêt des Mikea (2))	Madagascar		22° 46' 42" S 43° 31' 24" E	80 m
Ankily, W of Ihosy, off RN7	Madagascar		22° 23' 06" S 46° 05' 44" E	
Ankoro	Congo (Democratic Republic of the)		6° 45' 00" S 26° 57' 00" E	
Annaba (see also: Bona, Bône)	Algeria		36° 54' 00" N 7° 46' 00" E	0 m
Annaba province	Algeria			
Annobon	Equatorial Guinea	ca.	1° 26' 00" S 5° 38' 00" E	
Annobón (see Palé)	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m
Annobon Airport	Equatorial Guinea		1° 24' 32" N 5° 37' 22" E	
Annobon province	Equatorial Guinea			
Anole Wells	Ethiopia		4° 19' 00" N 38° 26' 00" E	
Anomabo (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anomabu (see also: Anamabo, Anamaboe, Anamabu, Anamabu Castle, Anomabo, Anomabu Castle, Fort William)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anomabu Castle (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anoront Sánga (see Anorotsangana)	Madagascar		13° 54' 55" S 47° 55' 19" E	0 m

Anoront Sánga (see Anorotsangana)	Madagascar		13° 55' 00" S 47° 55' 00" E	0 m
Anorontsanga (see Anorotsangana)	Madagascar		13° 55' 00" S 47° 55' 00" E	0 m
Anorontsangana (see Anorotsangana)	Madagascar		13° 55' 00" S 47° 55' 00" E	0 m
Anorontsangana (see Anorotsangana)	Madagascar		13° 54' 55" S 47° 55' 19" E	0 m
Anorotsangana (see also: Andranto, Anoront Sánga, Anorontsanga, Anorontsangana)	Madagascar		13° 55' 00" S 47° 55' 00" E	0 m
Anorotsangana (see also: Andranto, Anoront Sánga, Anorontsangana)	Madagascar		13° 54' 55" S 47° 55' 19" E	0 m
Anosy river, 11 km SW near (see Bevilany)	Madagascar		25° 01' 00" S 46° 30' 00" E	
Anoual	Morocco		32° 39' 36" N 3° 06' 00" W	1188 m
Ansalova, 15 km E	Madagascar		18° 40' 00" S 44° 37' 00" E	
Anse Takamaka (see Takamaka Cove)	Seychelle Islands		4° 46' 00" S 55° 29' 00" E	
Anseba region	Eritrea			
Antafinimihakatra	Madagascar		16° 16' 00" S 46° 48' 00" E	
Antanamarina cascade (see also: Cascade d'Antanamarina)	Madagascar		15° 34' 34" S 46° 52' 09" E	
Antanamarina, 3.7 km NE (see Anjohibe Cave)	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Antanamasina, 1.5 km NE (see Grotte d'Anjohikely (south entrance))	Madagascar		15° 33' 39" S 46° 52' 27" E	
Antanambe region	Madagascar			
Antananarivo (see also: Antananarivu, Tana, Tananarive)	Madagascar		18° 55' 00" S 47° 31' 00" E	1288 m
Antananarivo province	Madagascar			
Antananarivo, 17 km S (see Ambohijoky)	Madagascar		19° 03' 00" S 47° 29' 00" E	1340 m
Antananarivo, 193 km W (see Ankavandra, N of)	Madagascar		18° 45' 00" S 45° 13' 00" E	
Antananarivo, 30 km E (see Nandihizana)	Madagascar		18° 54' 00" S 47° 43' 00" E	915 m
Antananarivu (see Antananarivo)	Madagascar		18° 55' 00" S 47° 31' 00" E	1288 m
Antanandava, 5.8 km NE Beroboka Sud (see also: Beroboka Sud, 5.8 km NE)	Madagascar		19° 55' 47" S 44° 36' 21" E	30 m
Antanimbary	Madagascar			
Anteseranana	Madagascar	ca.	13° 20' 00" S 48° 15' 00" E	
Anthrax camp, on Levuvhu river, 3 km W Levuvhu bridge (see also: Levuvhu Bridge, 3 km W)	South Africa		22° 25' 30" S 31° 12' 30" E	
Anthrax Camp, 2 mi W (see North Cave)	South Africa		22° 26' 00" S 31° 11' 00" E	
Antsahabe forest, Anjozorobe	Madagascar		18° 24' 36" S 47° 56' 24" E	
Antsalova, 16.3 km N (see Forêt d'Ampidirabe)	Madagascar	ca.	18° 31' 45" S 44° 36' 35" E	
Antsalova, 18.3 km NNE (see Forêt de Mamakibetro)	Madagascar	ca.	18° 27' 13" S 44° 42' 57" E	
Antsampandrano forestry station (see Station Forestière d'Antsampandrano), 26 km SE Faratsiho	Madagascar		19° 36' 43" S 47° 03' 46" E	1850 m
Antseranana (see Antsiranana)	Madagascar		12° 16' 00" S 49° 17' 00" E	125 m
Antsingy Forest, 15 km E Antsalova	Madagascar		18° 40' 00" S 44° 37' 00" E	
Antsira?ana (see Antsiranana)	Madagascar		12° 16' 00" S 49° 17' 00" E	125 m
Antsiran	Madagascar			
Antsirana (see Antsiranana)	Madagascar		12° 16' 00" S 49° 17' 00" E	125 m
Antsiranana (see also: Antseranana, Antsira?ana, Antsirana, Antsirane, Diego Soarez, Diégo-Suarez, Diégo-Suarez, near)	Madagascar		12° 16' 00" S 49° 17' 00" E	125 m
Antsiranana province	Madagascar			
Antsiranana, 36 km S (see also: Diégo-Suarez, 36 km S)	Madagascar	ca.	12° 16' 00" S 49° 17' 00" E	
Antsiranana, 60 km S (see Matsaborimanga, near), Ankarana, N of	Madagascar		12° 54' 00" S 49° 07' 00" E	
Antsiranana, near	Madagascar	ca.	12° 16' 00" S 49° 17' 00" E	
Antsirane (see Antsiranana)	Madagascar		12° 16' 00" S 49° 17' 00" E	125 m
Antsironandoha Cave, west, 10 km NW Mashamasina, (see also: Grotte d'Antsironandoha, Ouest de, Mashamasina, 10 km NW)	Madagascar		12° 53' 20" S 49° 05' 51" E	100 m
Antsohihy	Madagascar			
Anum	Ghana		6° 29' 00" N 0° 09' 00" E	234 m
Anum, 4 mi [=6.4 km] S	Ghana	ca.	6° 30' 00" N 0° 10' 00" E	ca. 230 m
Anum-Asikuma, 1 mi [=1.6 km] N (see Asikuma, 1 mi [=1.6 km] N)	Ghana		6° 25' 00" N 0° 10' 00" E	147 m
Anwiaswo (see Sefwi Anwiawso)	Ghana		6° 19' 50" N 2° 15' 00" W	
Anzahameru	Madagascar			
Aokas (see also: Cap Aokas, Oued Marsa)	Algeria		36° 38' 00" N 5° 15' 00" E	198 m
Aokas cave, 1 km E Aokas	Algeria	ca.	36° 38' 00" N 5° 15' 00" E	
Aoufous, Tafilatt (see also: Aoufouss, Centre d'Aoufous)	Morocco		31° 41' 20" N 4° 10' 40" W	881 m
Aoufouss (see Aoufous), Tafilatt	Morocco		31° 41' 20" N 4° 10' 40" W	881 m
Aoule (oasis)	Aoule (oasis)			
Aousserd prefecture	Morocco			
Apac district	Uganda			

Apapa, 6 mi E Lagos (see also: Lagos, 6 mi [=9.7 km] E)	Nigeria		6° 26' 44" N 3° 21' 33" E	34 m
Apegame (see Afegame), Agumatsa River	Ghana		7° 08' 00" N 0° 35' 00" E	415 m
Apesokubi	Ghana		7° 35' 00" N 0° 24' 00" E	200 m
Apesokubi, 4.5 km N (see Adanka village, near)	Ghana		7° 38' 00" N 0° 23' 00" E	
Apéyémé	Togo		7° 12' 00" N 0° 42' 00" E	768 m
Appi (see Cotonou)	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Appolinopolis Magna (see Idfu)	Egypt		24° 58' 00" N 32° 52' 00" E	86 m
Appolonopolis Manga (see Idfu)	Egypt		24° 58' 00" N 32° 52' 00" E	86 m
Appoube, near Appouesso, ca. 6 km E F.C. Bossematie (see also: Bossematié, ca. 6 km E)	Côte d'Ivoire		6° 33' 00" N 3° 26' 00" W	
Apú River (see Río Apú), 21 km on Malabo to Luba road	Equatorial Guinea	ca.	3° 31' 15" N 8° 35' 23" E	
Aquilaria (see El Aouaria)	Tunisia		37° 03' 00" N 11° 01' 00" E	
Ar Rank (see also: El Renk, Er Renk, Renk)	South Sudan		11° 45' 00" N 32° 48' 00" E	371 m
Ar Rashidah (see also: Al Rashda, El Rashda, Er Rashda, Rashida)	Egypt		25° 34' 57" N 28° 56' 28" E	104 m
Ar Rashidiyah prefecture (see Errachidia prefecture)	Morocco			
Ar Raw?iyah, 10 km NE (see Sbeitla, pool 40 km NW)	Tunisia		35° 43' 42" N 9° 07' 58" E	
Ar Rudayyif (see also: Redevef, Redevel, Redeyef)	Tunisia		34° 23' 00" N 8° 09' 00" E	574 m
Ar Sharsharah (see Wadi ash Sharsharah)	Libya		32° 32' 00" N 13° 34' 00" E	
Araba (see also: Araba Birni)	Nigeria		13° 13' 00" N 5° 02' 00" E	252 m
Araba Birni (see Araba)	Nigeria		13° 13' 00" N 5° 02' 00" E	252 m
Arabia Petraea, South of line connection Aqaba and Suez	Egypt			
Arabuko-Sokoke District	Kenya		3° 20' 00" S 39° 52' 00" E	
Arabuko-Sokoke Forest	Kenya		3° 20' 00" S 39° 52' 00" E	
Aradeiba, Jebel Korongo	Sudan		11° 41' 00" N 34° 21' 00" E	486 m
Ararat, Sterkfontein Dam Nature Reserve (see also: Sterkfontein Dam Nature Reserve)	South Africa		28° 07' 30" S 28° 52' 30" E	
Ararat (see Sterkfontein dam)	South Africa		28° 26' 00" S 29° 01' 00" E	
Arba Mench (see Arba Minch')	Ethiopia		6° 02' 00" N 37° 33' 00" E	1284 m
Arba Minch' (see also: Arba Mench, Arba Minch, Arba Mintch, Gantar, Minghi)	Ethiopia		6° 02' 00" N 37° 33' 00" E	1284 m
Arba Minch (see Arba Minch')	Ethiopia		6° 02' 00" N 37° 33' 00" E	1284 m
Arba Mintch (see Arba Minch')	Ethiopia		6° 02' 00" N 37° 33' 00" E	1284 m
Archambault (see Sarh)	Chad		9° 09' 00" N 18° 23' 00" E	347 m
Archers Post (see also: Archer's Post)	Kenya		0° 39' 00" N 37° 41' 00" E	834 m
Archer's Post (see Archers Post)	Kenya		0° 39' 00" N 37° 41' 00" E	834 m
Archimota (see Achimota), between Legon and Accra	Ghana		5° 37' 00" N 0° 14' 00" W	82 m
Ardo	Djibouti	ca.	11° 49' 22" N 42° 40' 25" E	
Arebi	Congo (Democratic Republic of the)		2° 51' 33" N 29° 40' 25" E	
Arebi Bondo Mabe	Congo (Democratic Republic of the)		2° 47' 00" N 29° 35' 00" E	
Arer valley (see Erer Wenz)	Ethiopia		7° 34' 00" N 42° 02' 00" E	
Arhli (see Arlit)	Niger		18° 44' 13" N 7° 23' 07" E	439 m
Ariana governorate	Tunisia			
Arlit (see also: Arhli)	Niger		18° 44' 13" N 7° 23' 07" E	439 m
Arly (see also: Azly)	Burkina Faso		11° 35' 00" N 1° 28' 00" E	226 m
Arly National Park	Burkina Faso		11° 34' 00" N 1° 26' 00" E	ca. 225 m
Arnheim Farm (see Farm Arnhem)	Namibia		22° 29' 00" S 18° 08' 00" E	1500 m
Arnhem Cave (Rest Camp)	Namibia		23° 27' 00" S 18° 32' 00" E	
Arnhem, 80 km E	Namibia		22° 41' 00" S 18° 08' 00" E	
Arnoldton	South Africa		32° 58' 00" S 27° 48' 00" E	200 m
Aroma Madart, 13 mi [=12 km] SSE, Gash river	Sudan	ca.	15° 37' 13" N 36° 21' 33" E	
ArronPC:DE|)	Réunion			
ArronPC:PI|)	Réunion			
Arroyo Bicaba (see also: Bicaba River, Río Bicaba)	Equatorial Guinea	ca.	1° 47' 32" N 10° 14' 37" E	
Arroyo Mikémele (see also: Mikémele River, Río Mikémele)	Equatorial Guinea	ca.	1° 34' 35" N 10° 04' 43" E	
Arroyo Nbuba (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Arroyo Ntugu, near Acocseng, Aconibe (see also: Ntugu River, Río Ntugu)	Equatorial Guinea	ca.	1° 27' 01" N 11° 04' 02" E	
Arsinoë (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Arta region	Djibouti			
Artesia (see Mosomane)	Botswana		24° 04' 00" S 26° 15' 00" E	
Artur de Paiva (see Kuvango)	Angola		14° 28' 00" S 16° 18' 00" E	1448 m

Aru Meru district (see also: Arusha district)	Tanzania		3° 20' 00" S 36° 45' 00" E	
Arua, West Nile	Uganda		3° 01' 09" N 30° 55' 51" E	1195 m
Arua district	Uganda			
Arua, 32 km N (see Wati, mount)	Uganda		3° 13' 40" N 31° 01' 46" E	
Arua, 97 km S (see Goli)	Uganda		2° 41' 01" N 31° 06' 40" E	
Arua, near	Uganda	ca.	3° 01' 00" N 30° 55' 00" E	
Aruba Lodge	Kenya		3° 21' 00" S 38° 49' 00" E	
Aruscha (see Arusha), Chini, Mushi	Tanzania		3° 22' 00" S 36° 41' 00" E	1254 m
Arusha, Chini, Mushi (see also: Aruscha, Arusha Chini)	Tanzania		3° 22' 00" S 36° 41' 00" E	1254 m
Arusha Chini	Tanzania		3° 35' 00" S 37° 20' 00" E	839 m
Arusha Chini (see Arusha)	Tanzania		3° 22' 00" S 36° 41' 00" E	1254 m
Arusha district (see Aru Meru district)	Tanzania		3° 20' 00" S 36° 45' 00" E	
Arusha National Park (see also: Ngongargare Forest)	Tanzania		3° 15' 00" S 36° 45' 00" E	
Arusha region	Tanzania			
Arusha, 6 mi [=9.7 km] S	Tanzania		3° 35' 00" S 37° 20' 00" E	1372 m
Arusha, 8 mi [=13 km] S	Tanzania		3° 35' 00" S 37° 20' 00" E	
Arusu (see also: Arusua)	Nigeria		8° 42' 00" N 8° 09' 00" E	299 m
Arusua (see Arusu), near Pandam	Nigeria		8° 42' 00" N 8° 09' 00" E	
As Ismailiyah governate (see also: Ismailia governate)	Egypt			
As Sinbillawayn (see also: As Sunbullawayn, El-Simbillâwein, Es Simbillawein, Simbilawein, Simbillawein)	Egypt		30° 52' 55" N 31° 27' 47" E	11 m
As Sinbillawayn, 5 mi [=8 km] W (see also: Simbilawein, 5 mi [=8 km] W)	Egypt	ca.	30° 53' 00" N 31° 28' 00" E	
As Sunbullawayn (see As Sinbillawayn)	Egypt		30° 52' 55" N 31° 27' 47" E	11 m
As Suwayrah (see Essaouira)	Morocco		31° 30' 47" N 9° 46' 11" W	11 m
As Suways (see also: Al Qulzum, Clysma, El Seweis, El Suweis, El-Qulzum, Es Suweis, Klysma, Suës, Suez)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
As Suways governorate (see also: Suez governorate |PC:SW|)	Egypt			
Asaba, 150 mi up the Niger	Nigeria		6° 11' 00" N 6° 45' 00" E	54 m
Asaba, 5 mi [=8 km] N	Nigeria	ca.	6° 11' 00" N 6° 45' 00" E	
Asakra (see Assakra), 15 km E Lomo (see also: El-Tûr)	Côte d'Ivoire		6° 24' 00" N 4° 54' 00" W	193 m
Asala (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Asampaniye (see also: Asempanaye Sefwi, Asenparage garden, Sefwi Asemparaye, Sefwi Asenparage)	Ghana		6° 30' 00" N 2° 54' 00" W	251 m
Asbestos Mine, Mutare	Zimbabwe		18° 55' 12" S 32° 37' 12" E	
Aseb (see Assab)	Eritrea		13° 05' 30" N 42° 44' 22" E	0 m
Aseita	Ethiopia		8° 00' 00" N 39° 00' 00" E	
Asela (see also: Asala, Asella, Aselle, Assela, Assele, Asselle)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Asella (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Aselle (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Asempanaye Sefwi (see Asampaniye)	Ghana		6° 30' 00" N 2° 54' 00" W	251 m
Asenparage garden (see Asampaniye)	Ghana		6° 30' 00" N 2° 54' 00" W	251 m
Asgoi (see Afgooye)	Somalia		2° 09' 00" N 45° 07' 00" E	77 m
Ash Mampong, Ksi-Tamale Road, 30 mi	Ghana		7° 06' 00" N 1° 19' 00" W	
Ash Shalal Al Khamis (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
Ash Shallal al Khamis (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
Ash SPC:NO|)	Sudan			
Ash Sharqiyah governorate (see also: Ash Sharqiyah governorate |PC:SQ|, Sharkia governorate |PC:SQ|)	Egypt			
Ash SPC:SQ|)	Egypt			
Ash SPC:KA|)	Sudan			
Ashanti region	Ghana			
Ashanti-Geita	Tanzania	ca.	2° 55' 00" S 32° 05' 00" E	
Ashburton House (see Ashburton, Farm), Pietermaritzburg	South Africa		29° 38' 00" S 30° 28' 00" E	760 m
Ashburton, Farm, 6 km S, 8 km E Pietermaritzburg (see also: Ashburton House, Farm Ashburton, Pietermaritzburg, 6 km S, 8 km E)	South Africa		29° 40' 00" S 30° 28' 00" E	760 m
Asia				
Asikuma, 1 mi [=1.6 km] N (see also: Anum-Asikuma, 1 mi [=1.6 km] N)	Ghana		6° 25' 00" N 0° 10' 00" E	147 m
Asmara (see Asmera)	Eritrea		15° 20' 00" N 38° 56' 00" E	2363 m
Asmara, 10 km NW (see Sciumagalle Mine)	Eritrea		15° 23' 00" N 38° 51' 00" E	2371 m

Asmara, 6 mi [=10 km] W (see Asmera, 6 mi [=10 km] W)	Eritrea	ca.	15° 20' 00" N 38° 51' 00" E	2438 m
Asmara, 8 mi [=13 km] SW (see Sembel)	Eritrea	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
Asmera	Eritrea		15° 20' 00" N 38° 56' 00" E	2363 m
(see also: Asmara)				
Asmera, 10 km NW (see Sciumagalle Mine)	Eritrea		15° 23' 00" N 38° 51' 00" E	2371 m
Asmera, 6 mi [=10 km] W	Eritrea	ca.	15° 20' 00" N 38° 51' 00" E	2438 m
(see also: Asmara, 6 mi [=10 km] W)				
Asmera, 8 mi [=13 km] SW (see Sembel)	Eritrea	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
Asna (see Isna)	Egypt		25° 17' 36" N 32° 33' 14" E	
Asni, 2 km N	Morocco		31° 15' 00" N 8° 00' 00" W	
Asonga, near Bata	Equatorial Guinea		1° 51' 00" N 9° 49' 00" E	0 m
Asonga - Bata road	Equatorial Guinea	ca.	1° 51' 38" N 9° 48' 00" E	
Asonga, 1 km from	Equatorial Guinea	ca.	1° 51' 38" N 9° 48' 00" E	
Asonga, near	Equatorial Guinea	ca.	1° 51' 00" N 9° 49' 00" E	
Assa	Morocco		28° 36' 00" N 9° 25' 12" W	294 m
(see also: Zaouia Assa)				
Assab	Eritrea		13° 05' 30" N 42° 44' 22" E	0 m
(see also: Aseb)				
Assaba region	Mauritania			
Assakra, 15 km E Lomo	Côte d'Ivoire		6° 24' 00" N 4° 54' 00" W	193 m
(see also: Asakra, Lomo, 15 km E)				
Assa-Zag prefecture	Morocco			
Asseiceira (see Catumbela)	Angola		12° 25' 53" S 13° 32' 50" E	93 m
Assela (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Assele (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Asselle (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Assen, 5 km NE (see Farm Buffelspoort 149 JQ)	South Africa		25° 07' 00" S 27° 37' 00" E	
Assine (see Assinie-Mafia)	Côte d'Ivoire		5° 07' 29" N 3° 16' 30" W	
Assini (see Assinie-Mafia)	Côte d'Ivoire		5° 07' 29" N 3° 16' 30" W	
Assinie (see Assinie-Mafia)	Côte d'Ivoire		5° 07' 29" N 3° 16' 30" W	
Assinie-Mafia	Côte d'Ivoire		5° 07' 29" N 3° 16' 30" W	
(see also: Assine, Assini, Assinie, Mafia)				
Assirik	Senegal		12° 53' 00" N 12° 43' 00" W	
(see also: Hassirik, Monts Asserick, Mount Asserick, Mount Assirik)				
Assouan (see Aswan)	Egypt		24° 05' 15" N 32° 53' 56" E	85 m
Assuan (see Aswan)	Egypt		24° 05' 15" N 32° 53' 56" E	85 m
Astrida (see Butare)	Rwanda		2° 35' 50" S 29° 44' 20" E	1733 m
Asubengya (see Subinja), 2 mi E Wenchi	Ghana		7° 44' 00" N 2° 04' 00" W	290 m
Aswan	Egypt		24° 05' 15" N 32° 53' 56" E	85 m
(see also: Assouan, Assuan, Aswân, Es-Suan, Syena, Syene, Syeue)				
Aswân (see Aswan)	Egypt		24° 05' 15" N 32° 53' 56" E	85 m
Aswan governorate	Egypt			
(see also: Aswan governorate |PC:AN|)				
AswanPC:AN|)	Egypt			
Aswan Tombs	Egypt	ca.	24° 05' 15" N 32° 53' 56" E	
(see also: Aswan Tombs)				
Aswan Tombs (see Aswan Tombs)	Egypt	ca.	24° 05' 15" N 32° 53' 56" E	
AsyiuPC:AT|)	Egypt			
Asyut governorate	Egypt			
(see also: Asyiut governorate |PC:AT|)				
At Tonj (see Tonj)	South Sudan		7° 16' 24" N 28° 41' 02" E	427 m
At Tur	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
(see also: "Tor Sinai", Al-Tur, El-Tor, El-Tur, Et Tor, Thur, Tor)				
Atacora department	Benin			
Ataka Mountains (see Ataqah, Jabal), near Suez	Egypt		29° 55' 00" N 32° 20' 00" E	
Atakpamé	Togo		7° 32' 00" N 1° 08' 00" E	376 m
Atakpamé, 15 km W (see Adiva)	Togo		7° 31' 00" N 1° 01' 00" E	252 m
Ataqah, Jabal, near Suez	Egypt		29° 55' 00" N 32° 20' 00" E	
(see also: Ataka Mountains, Jabal Ataqah)				
Atâr	Mauritania		20° 25' 38" N 13° 03' 54" W	270 m
Atar, Khawr [wadi]	South Sudan		9° 20' 11" N 31° 25' 00" E	
(see also: Atar, Khor [wadi], Attar, Khor [wadi], Diar, Khor [wadi], Khawr Atar [wadi], Khor Atar [wadi], Khor Attar [wadi], Khor Diar [wadi])				
Atar, Khor [wadi] (see Atar, Khawr [wadi])	South Sudan		9° 20' 11" N 31° 25' 00" E	
Athens Mission	Congo (Democratic Republic of the)		5° 02' 00" S 18° 49' 00" E	
Atherstone Station, near (see Farm Fir Glen)	South Africa		33° 19' 20" S 26° 23' 21" E	900 m
Atherstone, Farm (see Farm Atherstone)	South Africa		33° 19' 00" S 26° 22' 00" E	600 m
Athi River, near Nairobi	Kenya		1° 27' 00" S 36° 59' 00" E	1528 m
(see also: Athi River Station, Athi River Town, Athi Station)				
Athi River Station (see Athi River), near Nairobi	Kenya		1° 27' 00" S 36° 59' 00" E	1528 m

Athi River Town (see Athi River), near Nairobi	Kenya		1° 27' 00" S 36° 59' 00" E	1528 m
Athi River Town, 1 mi [=1.6 km] S	Kenya	ca.	1° 27' 00" S 36° 59' 00" E	
Athi River, 6 mi [=9.6 km] SE	Kenya		1° 30' 00" S 37° 01' 59" E	
Athi river, 6 mi [=9.7 km] S, near Nairobi	Kenya	ca.	1° 27' 00" S 36° 59' 00" E	
Athi Station (see Athi River), near Nairobi	Kenya		1° 27' 00" S 36° 59' 00" E	1528 m
Athlone Park	South Africa		30° 00' 54" S 30° 55' 24" E	
Atholhu (see Maale Atholhu Uthuruburi)	Maldive Islands		4° 25' 00" N 73° 30' 00" E	
Atlantica Ecological Research Station	Zimbabwe		17° 53' 00" S 30° 47' 00" E	
Atlantique department	Benin			
Atlas Rifain (see Er Rif)	Morocco		35° 00' 00" N 4° 00' 00" W	
Attar, Khor [wadi] (see Atar, Khawr [wadi])	South Sudan		9° 20' 11" N 31° 25' 00" E	
Attogondama	Equatorial Guinea			
Augrabies Falls National Park (see also: Augrabies Waterfall National Park)	South Africa		28° 36' 00" S 20° 20' 00" E	
Augrabies Waterfall National Park (see Augrabies Falls National Park)	South Africa		28° 36' 00" S 20° 20' 00" E	
Augrabies Wes, Farm 153 (see Farm Oograbies West 153)	South Africa		29° 12' 00" S 17° 05' 00" E	
Aurasius Mons (see Aurès mountains)	Algeria		35° 14' 00" N 6° 10' 00" E	
Aureol, mount (see Mount Aureol)	Sierra Leone		8° 28' 51" N 13° 13' 05" W	366 m
Aurès mountains (see also: Aurasius Mons, Djebel Aurès)	Algeria		35° 14' 00" N 6° 10' 00" E	
AurèsPC: BT|)	Algeria			
Aurora, 8.0 km N, 3.0 km W (see Farm Rietfontein)	South Africa		32° 38' 00" S 18° 28' 00" E	125 m
Aus, 1 km W	Namibia		26° 40' 00" S 16° 16' 00" E	1483 m
Aus, 3 km W (see Klein Aus Farm 8)	Namibia		26° 39' 00" S 16° 15' 00" E	
Autabib 100	Namibia		23° 00' 00" S 17° 41' 00" E	
Aux environs de Tata (see Tata, near)	Morocco	ca.	29° 45' 00" N 7° 59' 00" W	
Avakubi, left bank of Ituri river	Congo (Democratic Republic of the)		1° 19' 00" N 27° 33' 00" E	589 m
Avakubi, near	Congo (Democratic Republic of the)		1° 20' 00" N 27° 35' 00" E	
Avetile (see also: Abanase, Abanasi, Peki Aventile)	Ghana		6° 32' 00" N 0° 14' 00" E	307 m
Avondale West	Zimbabwe		17° 46' 57" S 31° 01' 27" E	
Aware Melca	Ethiopia		9° 08' 00" N 39° 58' 00" E	
Awasa Hayk' (see also: Awasa, lago, Awasa, lake, Awusa, Lake Awasa)	Ethiopia		7° 03' 00" N 38° 26' 00" E	
Awasa, lago (see Awasa Hayk')	Ethiopia		7° 03' 00" N 38° 26' 00" E	
Awasa, lake (see Awasa Hayk')	Ethiopia		7° 03' 00" N 38° 26' 00" E	
Awash (see Awash National Park)	Ethiopia		8° 52' 00" N 40° 01' 00" E	
Awash National Park (see also: Awash)	Ethiopia		8° 52' 00" N 40° 01' 00" E	
Awash Station, 12 mi [=19 km] N (see Melka Sede)	Ethiopia		9° 21' 00" N 40° 18' 00" E	787 m
Awash Station, 25 mi [=40 km] N (see Melka Werer), Awash Station, 40 km N	Ethiopia		9° 33' 00" N 40° 24' 00" E	810 m
Awaya, 10 km E Dassa	Benin	ca.	7° 45' 00" N 2° 15' 00" E	
Awdal region	Somalia			
Awusa (see Awasa Hayk')	Ethiopia		7° 03' 00" N 38° 26' 00" E	
Axim	Ghana		4° 52' 06" N 2° 14' 29" W	70 m
Axum (see Aksum)	Ethiopia		14° 07' 28" N 38° 43' 28" E	2139 m
Ayamiken (see also: Aya'miteng)	Equatorial Guinea		2° 06' 41" N 10° 01' 20" E	290 m
Aya'miteng (see Ayamiken)	Equatorial Guinea		2° 06' 41" N 10° 01' 20" E	290 m
Ayangba	Nigeria		7° 30' 13" N 7° 10' 28" E	234 m
Ayasong, 10 km from (see Akurinam)	Equatorial Guinea			
Aye river delta	Equatorial Guinea	ca.	1° 21' 03" N 9° 27' 45" E	
Aye River, mouth (see Río Ayé, mouth)	Equatorial Guinea		1° 21' 03" N 9° 27' 45" E	
Ayene, near Mongomo	Equatorial Guinea		1° 31' 23" N 11° 03' 18" E	508 m
Ayetédjoun (see Aitedjou)	Benin		6° 39' 00" N 2° 44' 00" E	36 m
Ayikuma (see Aiyikuma)	Ghana		5° 55' 00" N 0° 03' 00" W	43 m
Ayip Eku [estate]	Nigeria		5° 35' 00" N 8° 45' 00" E	
Ayliff, mount, 0.3 km N, 8.9 km W (see Insizwe Mine)	South Africa		30° 48' 00" S 29° 17' 00" E	1140 m
Ayn ad Darahim (see also: Aïn Draham, Aïne Draham)	Tunisia		36° 46' 38" N 8° 41' 33" E	982 m
Ayn ad Darahim, 5 km NE (see also: Aïn Draham, 5 km NE, Aïne Draham, 5 km NE)	Tunisia		36° 48' 33" N 8° 43' 56" E	
Ayn al Furtajah (see El-Tûr)	Egypt		29° 02' 44" N 34° 33' 10" E	
Ayn al Furtajah (see El-Tûr)	Egypt		29° 02' 44" N 34° 33' 10" E	
Ayn Sudr (see also: Aîn Sudr)	Egypt		29° 48' 57" N 33° 06' 38" E	
Ayos Heights (see also: Ajos Höhe)	Cameroon		3° 54' 00" N 12° 31' 00" E	
Ayos Road, Mvoutesi II (see also: MVE II)	Cameroon		3° 15' 00" N 11° 48' 00" E	

Ayos, 67 km W (see Njombo River)	Cameroon		3° 39' 00" N 11° 58' 00" E	457 m
Ayos, near	Cameroon		3° 53' 00" N 12° 31' 00" E	
(see also: Mben River)				
Az Zawiyah al Bay?a' (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Az Zawiyah district	Libya			
(see also: Zawiya district |PC:ZA|)				
Azafi	Togo		7° 34' 00" N 1° 02' 00" E	253 m
Azagny National Park	Côte d'Ivoire		6° 13' 07" N 5° 15' 32" W	125 m
(see also: Parc National d'Azagny)				
Azaguié Makouguié	Côte d'Ivoire		5° 37' 00" N 4° 10' 00" W	160 m
(see also: Macouguié, Makonguine)				
Azande Game Reserve	Congo (Democratic Republic of the)			
Azigza cave (see Kef Azigza cave)	Morocco		32° 02' 00" N 3° 47' 00" W	1060 m
Azilal prefecture	Morocco			
Azir River mouth	Ethiopia	ca.	10° 29' 00" N 36° 25' 00" E	1000 m
Azly (see Arly)	Burkina Faso		11° 35' 00" N 1° 28' 00" E	226 m
Azores [Portugal]	Azores [Portugal]			
Azraq, Al Jabal al, 10 mi NW Omdurman	Sudan		15° 47' 29" N 32° 27' 35" E	
(see also: Omdurman, 10 mi [=16 km] NW)				
Azraq, Jabal al, 10 mi NW Omdurman	Sudan		15° 47' 29" N 32° 27' 35" E	
Azraq, Jebel el, 10 mi NW Omdurman	Sudan		15° 47' 29" N 32° 27' 35" E	
Azrou	Morocco		34° 31' 14" N 4° 20' 41" W	1039 m
Azrou, 26 km S (see Afnourir, lake)	Morocco		33° 17' 00" N 5° 15' 00" W	
Azum	Ethiopia		14° 10' 00" N 38° 54' 00" E	
Ba Balaye	Congo (Democratic Republic of the)		5° 50' 00" S 22° 30' 00" E	
Ba Foula Bé (see Bafoulabé)	Senegal		13° 01' 00" N 13° 11' 00" W	
Bab Bou Idir, near Taza	Morocco		34° 04' 09" N 4° 07' 14" W	
Babanango, 10.5 km N, 14 km E (see Denny Dalton Mine)	South Africa		28° 17' 00" S 31° 14' 00" E	770 m
Babardur Georgis (see Bahir Dar)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
Babeke, on Isai river	Congo (Democratic Republic of the)		1° 24' 00" N 28° 04' 00" E	608 m
Babiana (see Bibiana)	Ghana		6° 27' 00" N 2° 18' 00" W	720 ft
Babianeha (see Bibiana)	Ghana		6° 27' 00" N 2° 18' 00" W	720 ft
Babongena	Congo (Democratic Republic of the)		0° 29' 23" N 25° 42' 21" E	469 m
Bacadadgi	Senegal		13° 39' 00" N 16° 29' 00" W	
Bacipú (see Basupú)	Equatorial Guinea		3° 44' 00" N 8° 49' 00" E	154 m
Bacita	Nigeria		9° 05' 00" N 4° 57' 00" E	100 m
(see also: Basita)				
Badalabougou	Mali		12° 37' 25" N 7° 59' 02" W	311 m
(see also: Badalabougou, quarter, Quartier de Badalabougou)				
Badalabougou, quarter (see Badalabougou)	Mali		12° 37' 25" N 7° 59' 02" W	311 m
Badaws	Sudan		12° 09' 00" N 34° 19' 00" E	464 m
(see also: Bados)				
Baden, Farm (see Farm "Baden")	South Africa		33° 42' 14" S 20° 07' 14" E	350 m
Badfontein, Farm 114JT (see Farm Badfontein 114JT), Kwena	South Africa		25° 17' 30" S 30° 23' 16" E	
Badi	Senegal		13° 09' 00" N 13° 14' 00" W	34 m
Badingua, 25 km N Makorou	Central African Republic		7° 30' 00" N 19° 35' 00" E	
(see also: Makorou, 25 km N)				
Badjékali (see Bodjékali)	Benin		11° 48' 34" N 3° 22' 59" E	252 m
Badjoki - Bumba (see Bodjoki - Bumba)	Congo (Democratic Republic of the)		2° 59' 00" N 22° 18' 00" E	441 m
Bados (see Badaws)	Sudan		12° 09' 00" N 34° 19' 00" E	464 m
Badou - Anonoe	Togo		7° 35' 00" N 0° 36' 00" E	
(see also: Ahoué-houé)				
Badplaas	South Africa		25° 57' 10" S 30° 34' 00" E	1058 m
(see also: Badplaats, Die Bad)				
Badplaats (see Badplaas)	South Africa		25° 57' 10" S 30° 34' 00" E	1058 m
Badrashên (see Al Badrashayn)	Egypt		29° 51' 00" N 31° 16' 00" E	21 m
Bafatá region	Guinea-Bissau			
Bafia area	Cameroon	ca.	4° 45' 00" N 11° 14' 00" E	ca. 467 m
Bafing region	Côte d'Ivoire			
Bafoulabé	Senegal		13° 02' 00" N 13° 00' 00" W	
(see also: Ba Foula Bé)				
Bafuaboka (see Bafwabaka)	Congo (Democratic Republic of the)		2° 07' 00" N 27° 40' 00" E	631 m
Bafut	Cameroon		6° 05' 00" N 10° 06' 00" E	1231 m
Bafut Agyati, 2 km E	Cameroon	ca.	6° 05' 00" N 10° 06' 00" E	
Bafwabaka	Congo (Democratic Republic of the)		2° 07' 00" N 27° 40' 00" E	631 m
(see also: Bafuaboka, Bafwaboka)				
Bafwaboka (see Bafwabaka)	Congo (Democratic Republic of the)		2° 07' 00" N 27° 40' 00" E	631 m

Bafwasende territory	Congo (Democratic Republic of the)		1° 05' 00" N 27° 16' 00" E	
Baga Cave, near Lubumbashi	Congo (Democratic Republic of the)	ca.	11° 40' 00" S 27° 28' 00" E	
Baga cave (see Baya cave)	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
Baga-Kawa, Lake Tchad	Nigeria		13° 05' 39" N 13° 49' 19" E	279 m
Bagamojo (see Bagamoyo)	Tanzania		6° 26' 00" S 38° 54' 00" E	
Bagamoyo (see also: Bagamojo)	Tanzania		6° 26' 00" S 38° 54' 00" E	
Bagamoyo district	Tanzania		6° 20' 00" S 38° 30' 00" E	
Bagbele (see also: Cel I, Cellule I)	Congo (Democratic Republic of the)		4° 21' 00" N 29° 17' 00" E	742 m
Bagbele Moko	Congo (Democratic Republic of the)		4° 21' 00" N 29° 17' 00" E	742 m
Bagemder province (see Gonder Kifle Hager province)	Ethiopia	ca.	12° 30' 00" N 37° 00' 00" E	
Bagemdir province (see Gonder Kifle Hager province)	Ethiopia	ca.	12° 30' 00" N 37° 00' 00" E	
Baggyemdr province (see Gonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Bagilo	Tanzania		7° 10' 00" S 37° 40' 00" E	
Bagisana	Congo (Democratic Republic of the)		4° 35' 00" N 29° 32' 00" E	
Bagoué region	Côte d'Ivoire			
Bagunda	Congo (Democratic Republic of the)		4° 04' 00" N 29° 35' 00" E	990 m
Bahadu (see Be'adu Bota)	Ethiopia		10° 11' 35" N 40° 37' 08" E	
Bahar (see Bahir Dar)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
Bahar Dar (see Bahir Dar)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
Bahar Dar Ghiorghis (see Bahir Dar)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
Baharini Farm	Kenya			
Bahariya Oasis (see Al Wa?at al Ba?riyah)	Egypt		28° 15' 00" N 28° 57' 00" E	
Baharîya Oasis (see Al Wa?at al Ba?riyah)	Egypt		28° 15' 00" N 28° 57' 00" E	
Bahati Policepost (see Bahati Settlement), near Nakuru	Kenya		0° 09' 00" S 36° 07' 00" E	7500 ft
Bahati Settlement, near Nakuru (see also: Bahati Policepost)	Kenya		0° 09' 00" S 36° 07' 00" E	7500 ft
Baherdar-Giyorgis (see Bahir Dar)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
Baherere	Uganda			
Bahía de Luba (see also: Luba Bay)	Equatorial Guinea		3° 29' 11" N 8° 33' 51" E	
Bahia de Machangulo (see Maputo Bay)	Mozambique	ca.	25° 59' 00" S 32° 42' 00" E	
Bahig (see Bahij), West of Alexandria	Egypt		30° 56' 00" N 29° 35' 00" E	2 m
Bahig (see Bahij), West of Alexandria	Egypt		30° 56' 00" N 29° 35' 00" E	2 m
Bahij, West of Alexandria (see also: Bahig, Bahig)	Egypt		30° 56' 00" N 29° 35' 00" E	2 m
Bahir Dar (see also: Babardur Georgis, Bahar, Bahar Dar, Bahar Dar Ghiorghis, Baherdar-Giyorgis, Bahr Dar, Bahr dar Giorgis, Bahr der Giorgis, Bahrdar Giyergio, Bahrdar Giyorgis)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
BahrPC:BG|)	South Sudan			
Ba?r at Tubat (see also: Bahr el Tûbat (intermittent lake), Birket Qaseibaîya , El Qaseibaiya)	Libya		29° 36' 28" N 24° 52' 46" E	
Ba?r az Zaraf (see Bahr ez Zeraf)	South Sudan	ca.	9° 24' 50" N 31° 09' 48" E	
Bahr Dar (see Bahir Dar)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
Bahr dar Giorgis (see Bahir Dar)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
Bahr de Abiad (see White Nile)	Sudan		15° 38' 00" N 32° 31' 00" E	
Bahr der Giorgis (see Bahir Dar)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
Bahr el Abiad (see White Nile)	Sudan		15° 38' 00" N 32° 31' 00" E	
Bahr el Ghazel region	Chad			
Bahr el Shagal	Sudan			
Bahr el Tûbat (intermittent lake) (see Ba?r at Tubat)	Libya		29° 36' 28" N 24° 52' 46" E	
Bahr El Zeraf (see Bahr ez Zeraf)	South Sudan	ca.	9° 24' 50" N 31° 09' 48" E	
Bahr ez Zeraf (see also: Ba?r az Zaraf, Bahr El Zeraf)	South Sudan	ca.	9° 24' 50" N 31° 09' 48" E	
Bahr Qârûn (see Birkat Qarun)	Egypt		29° 28' 29" N 30° 39' 55" E	
Bahrdar Giyergio (see Bahir Dar)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
Bahrdar Giyorgis (see Bahir Dar)	Ethiopia		11° 36' 00" N 37° 23' 00" E	1783 m
Bahr-el-Abyat (see White Nile)	Sudan		15° 38' 00" N 32° 31' 00" E	
Bahr-el-Zeraf, near mouth	South Sudan			
Baia de Alagoa (see Maputo Bay)	Mozambique	ca.	25° 59' 00" S 32° 42' 00" E	
Baia de Dalagoa (see Maputo Bay)	Mozambique	ca.	25° 59' 00" S 32° 42' 00" E	
Baía de Lourenço Marques (see Maputo Bay)	Mozambique	ca.	25° 59' 00" S 32° 42' 00" E	
Baía de Maputo (see Maputo Bay)	Mozambique	ca.	25° 59' 00" S 32° 42' 00" E	
Baibokoum, 25 km SE (see Dagbao)	Chad		7° 39' 03" N 15° 53' 07" E	692 m
Baida (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Baida, 4 km S	Libya		32° 44' 00" N 21° 43' 00" E	

Bajo Puente Sobre Riachuelo, 3 km on the Malabo - Riaba road	Equatorial Guinea	ca.	3° 44' 03" N 8° 50' 00" E	
Bake river bridge, 1 km S, 4.25 km W Baro (see also: Baro, 1 km S, 4.25 km W)	Cameroon		5° 16' 00" N 9° 13' 00" E	
Bakel	Senegal		14° 54' 00" N 12° 27' 00" W	27 m
Bakel, 5 km S	Senegal	ca.	14° 54' 00" N 12° 27' 00" W	
Bakkari (see Mandisha)	Egypt		30° 01' 08" N 31° 08' 23" E	
Bakol region (see also: Bakool region |PC:BK|)	Somalia			
BakooPC:BK|)	Somalia			
Bakrit (see Bekrit)	Morocco		33° 04' 48" N 5° 12' 36" W	1793 m
Bakwa-Kenge (see also: Bakwakenge)	Congo (Democratic Republic of the)		4° 51' 00" S 22° 04' 00" E	461 m
Bakwakenge (see Bakwa-Kenge)	Congo (Democratic Republic of the)		4° 51' 00" S 22° 04' 00" E	461 m
Bakwanga (see Mbuji-Mayi)	Congo (Democratic Republic of the)		6° 09' 00" S 23° 36' 00" E	549 m
Bala (see Bata)	Congo (Democratic Republic of the)		6° 01' 00" S 19° 40' 00" E	590 m
Balad (see Balcad)	Somalia		2° 21' 00" N 45° 23' 00" E	84 m
Balad, 1 mi [=1.6 km] S (see Balcad, 1 mi [=1.6 km] S)	Somalia	ca.	2° 21' 00" N 45° 23' 00" E	
Balad, 5 mi [=8 km] S (see Balcad, 5 mi [=8 km] S)	Somalia	ca.	2° 21' 00" N 45° 23' 00" E	
Balaghes valley (see also: Bellegas-Thal, Bellegaz valley, Tal des Belegaz, Tal des Belghe)	Ethiopia		12° 50' 00" N 38° 20' 00" E	762 m
Balagrae (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Balaka district	Malawi	ca.	15° 00' 00" S 35° 00' 00" E	
Balaka, 20 km N (on road to Salima)	Malawi	ca.	14° 51' 22" S 34° 52' 26" E	
Balama Coutada	Mozambique		13° 24' 58" S 38° 02' 15" E	
Balasi	South Africa		32° 51' 00" S 27° 24' 00" E	450 m
Balcad (see also: Balad)	Somalia		2° 21' 00" N 45° 23' 00" E	84 m
Balcad, 1 mi [=1.6 km] S (see also: Balad, 1 mi [=1.6 km] S)	Somalia	ca.	2° 21' 00" N 45° 23' 00" E	
Balcad, 5 mi [=8 km] S (see also: Balad, 5 mi [=8 km] S)	Somalia	ca.	2° 21' 00" N 45° 23' 00" E	
Bale district	Ethiopia			
Bale Mountains-NP	Ethiopia			
Balé province	Burkina Faso			
Balegana	Swaziland		26° 06' 00" S 31° 34' 00" E	323 m
Balegane	Swaziland		26° 06' 00" S 31° 34' 00" E	323 m
Balegane Stor	Swaziland		26° 06' 00" S 31° 34' 00" E	323 m
Balelipa (see Bilelipa)	Equatorial Guinea		3° 29' 00" N 8° 48' 00" E	215 m
Bali	Cameroon		5° 53' 00" N 11° 01' 00" E	1415 m
Baliko	Congo (Democratic Republic of the)		0° 16' 00" S 20° 49' 00" E	
Balis (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Ballassientu, Between Kati and Kita	Mali	ca.	12° 25' 00" N 7° 30' 00" W	
Ballito (see also: Ballito-Westbrook)	South Africa		29° 32' 00" S 31° 13' 00" E	
Ballito-Westbrook (see Ballito) (see also: Dakahlia governorate |PC:DQ|)	South Africa		29° 32' 00" S 31° 13' 00" E	
Ballomah (see Budima)	Liberia		7° 41' 57" N 9° 39' 03" W	364 m
Baloma (see Budima)	Liberia		7° 41' 57" N 9° 39' 03" W	364 m
Balomah	Liberia		7° 41' 57" N 9° 39' 03" W	364 m
Balouma area, 25 km NW Macenta (see also: Macenta, 25 km NW)	Guinea		8° 39' 00" N 9° 38' 00" W	609 m
Balovale (see Zambezi)	Zambia		13° 33' 00" S 23° 07' 00" E	1090 m
Balue mountains	Cameroon			
Balule Private Nature Reserve, on Oliphants River	South Africa		24° 03' 00" S 31° 44' 00" E	
Bam province	Burkina Faso			
Bamako (see also: Bamaku, Bammaco, Bammako)	Mali		12° 39' 00" N 8° 00' 00" W	349 m
Bamako district	Mali			
Bamako, 15 km E	Mali		12° 41' 12" N 7° 51' 50" W	331 m
Bamako, 7 km E (see Sotouba)	Mali		12° 39' 48" N 7° 54' 50" W	328 m
Bamako, near	Mali	ca.	12° 39' 00" N 8° 00' 00" W	349 m
Bamaku (see Bamako)	Mali		12° 39' 00" N 8° 00' 00" W	349 m
Bamangwa (see Bamungwa [river])	Congo (Democratic Republic of the)		4° 21' 00" N 29° 27' 00" E	
Bamania (see Bamanya)	Congo (Democratic Republic of the)		0° 01' 00" N 18° 24' 00" E	
Bamanya (see also: Bamania)	Congo (Democratic Republic of the)		0° 01' 00" N 18° 24' 00" E	
Bamba Ridge Forest Reserve (see also: Bamba-Mlungi Forest Reserve)	Tanzania		4° 57' 00" S 38° 47' 00" E	

Bamba-Mlungi Forest Reserve (see Bamba Ridge Forest Reserve)	Tanzania		4° 57' 00" S 38° 47' 00" E	
Bambao (see also: Bambao M'Sanga, Cercle de Bambao)	Comoro Islands		12° 11' 56" S 44° 31' 06" E	19 m
Bambao M'Sanga (see Bambao)	Comoro Islands		12° 11' 56" S 44° 31' 06" E	19 m
Bambari, 300 km NE Bangui (see also: Bangui, 300 km NE)	Central African Republic		5° 46' 05" N 20° 40' 32" E	465 m
Bambesa	Congo (Democratic Republic of the)		3° 28' 00" N 25° 43' 00" E	614 m
Bamboo Inn, outskirts of Nampula town	Mozambique		15° 06' 11" S 39° 13' 03" E	420 m
Bambu (see Kilomines)	Congo (Democratic Republic of the)		1° 48' 00" N 30° 14' 00" E	1466 m
Bame	Ghana		6° 40' 00" N 0° 21' 00" E	173 m
Bame, 7 mi [=11 km] S	Ghana		6° 37' 01" N 0° 18' 00" E	
Bamenda	Cameroon		5° 56' 00" N 10° 10' 00" E	1614 m
Bamenda division (see Mezan division)	Cameroon		6° 00' 00" N 10° 25' 00" E	
Bamenda, 14 km E	Cameroon	ca.	5° 57' 00" N 10° 10' 00" E	
Bamingui	Central African Republic		7° 34' 00" N 20° 11' 00" E	456 m
Bamingui-Bangoran National Park	Central African Republic		7° 55' 00" N 20° 15' 00" E	469 m
Bamingui-Bangoran prefecture	Central African Republic			
Bammaco (see Bamako)	Mali		12° 39' 00" N 8° 00' 00" W	349 m
Bammako (see Bamako)	Mali		12° 39' 00" N 8° 00' 00" W	349 m
Bamongwa (see Bamungwa [river])	Congo (Democratic Republic of the)		4° 21' 00" N 29° 27' 00" E	
Bamu Island (see Mbamou Island)	Congo		4° 12' 34" S 15° 25' 06" E	
Bamumbo	Cameroon			
Bamundjinda	Cameroon			
Bamungwa [river] (see also: Bamangwa, Bamongwa)	Congo (Democratic Republic of the)		4° 21' 00" N 29° 27' 00" E	
Bana	Cameroon		5° 09' 00" N 10° 16' 00" E	1486 m
Banaadir region (see also: Banadir region |PC:BN|)	Somalia			
BanadPC:BN|) (see also: Mogadishu region |PC:BN|)	Somalia			
Banagi, Serengeti	Tanzania		2° 16' 00" S 34° 51' 00" E	1413 m
Banagi, 4 mi [=6.4 km] NNW (see Rohero Mine)	Tanzania	ca.	2° 16' 00" S 34° 51' 00" E	
Banalia	Congo (Democratic Republic of the)		1° 33' 00" N 25° 20' 00" E	432 m
Banama Blanc, near Tiebila	Côte d'Ivoire		9° 45' 00" N 5° 50' 00" W	
Banana (see also: Banane)	Congo (Democratic Republic of the)		6° 01' 00" S 12° 24' 00" E	0 m
Banana - Boma road, km 74, 25 km from coast in forest	Congo (Democratic Republic of the)		5° 47' 00" S 12° 31' 00" E	
Banana creek	Congo (Democratic Republic of the)		5° 58' 00" S 12° 27' 00" E	
Banana or Netonna	Congo (Democratic Republic of the)	ca.	5° 58' 00" S 12° 27' 00" E	
Banane (see Banana)	Congo (Democratic Republic of the)		6° 01' 00" S 12° 24' 00" E	0 m
Banapa	Equatorial Guinea		1° 05' 00" N 9° 42' 00" E	115 m
BanasPC:BE|)	Ethiopia			
Banco Forest (see Banco, forêt de)	Côte d'Ivoire		5° 25' 00" N 4° 03' 00" W	
Banco, forêt de (see also: Banco Forest)	Côte d'Ivoire		5° 25' 00" N 4° 03' 00" W	
Banda	Ghana			
Bandafassi dispensarium	Senegal		12° 32' 26" N 12° 18' 28" W	
Bandaka (see also: Cocquilhatville, Coquilhalville, Coquilhatstad, Coquilhatville, Wangata)	Congo (Democratic Republic of the)		0° 04' 00" N 18° 16' 00" E	306 m
Bandakalala cave, near Siri-Ziroudani, along Maodjani River	Comoro Islands	ca.	12° 20' 03" S 43° 46' 50" E	200 m
Bandala Hills, location 1, Central Payam, Bandala Boma, ca. 10 km W Sue River, W border Southern National Park)	South Sudan		6° 07' 57" N 27° 43' 31" E	535 m
Bandar Fílúk (see Afkala Haya)	Somalia		11° 54' 00" N 50° 35' 00" E	5 m
Bandar Kassim (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bandia (see Bandia Sessène)	Senegal		14° 37' 30" N 17° 01' 43" W	33 m
Bandia Sessène (see also: Bandia)	Senegal		14° 37' 30" N 17° 01' 43" W	33 m
Bandimbu, Mosenge	Congo (Democratic Republic of the)		4° 39' 00" S 18° 58' 00" E	
Bandolierskop, 5 km N (see Blydschap), Pietersburg district	South Africa		23° 16' 00" S 29° 46' 00" E	
Bandraboua canton	Mayotte	ca.	12° 42' 08" S 45° 07' 43" E	

Bandungu (former) province, see Mai Ndombe, Kwilu or Kwango provinces	Congo (Democratic Republic of the)			
Baney (see Santiago de Baney), Eolá River, Patio Vivancos (see also: Eolá River, Río Eolá)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Banga (see Gbanka)	Liberia		7° 16' 40" N 10° 03' 49" W	287 m
Banga Bakundu	Cameroon	ca.	4° 50' 00" N 9° 20' 00" E	
Bangah (see Gbanka)	Liberia		7° 16' 40" N 10° 03' 49" W	287 m
Bangangai forest, 50 mi WNW Yambio (see also: Yambio, 50 mi [=80 km] WNW)	South Sudan		4° 51' 00" N 27° 45' 00" E	730 m
Bangangai Game Reserve, Andari Payam	South Sudan		4° 52' 39" N 27° 40' 34" E	
Bangangai Game Reserve, base camp	South Sudan		4° 54' 28" N 27° 42' 13" E	698 m
Bangangai Game Reserve, location 1	South Sudan		4° 54' 20" N 27° 42' 19" E	698 m
Bangangai Game Reserve, location 2	South Sudan		4° 54' 06" N 27° 42' 35" E	673 m
Bangangai Game Reserve, location 4	South Sudan		4° 53' 43" N 27° 42' 44" E	685 m
Bangangai Game Reserve, location 5	South Sudan		4° 54' 02" N 27° 41' 58" E	691 m
Bangangai Game Reserve, location 6, Andari Payam	South Sudan		4° 52' 39" N 27° 40' 33" E	719 m
Bangangai Game Reserve, location 7, Andari Payam	South Sudan		4° 52' 28" N 27° 40' 53" E	694 m
Bangangai Game Reserve, location 8, Andari Payam	South Sudan		4° 52' 52" N 27° 04' 04" E	
Bangaran (see Bangoran)	Central African Republic		8° 04' 51" N 20° 20' 43" E	418 m
Bangassou (see also: Bangassu, Bangasu)	Central African Republic		4° 44' 00" N 22° 49' 00" E	457 m
Bangassu (see Bangassou)	Central African Republic		4° 44' 00" N 22° 49' 00" E	457 m
Bangasu (see Bangassou)	Central African Republic		4° 44' 00" N 22° 49' 00" E	457 m
Banghazi (see also: Bengasi, Bengazi, Benghasi, Benghazi, Berenice, Binghazi, Hesperides)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Bangmo (see Bangwon)	Ghana		10° 58' 00" N 2° 41' 00" W	303 m
Bangoran (see also: Bangaran)	Central African Republic		8° 04' 51" N 20° 20' 43" E	418 m
Bangu gorge caves, 12 km E Elephants camp (see also: Elephants camp, 12 km E)	South Africa		24° 05' 00" S 31° 44' 00" E	
Bangu Poort, cave near	South Africa		24° 08' 28" S 31° 48' 42" E	
Bangue, lake (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Bangui	Central African Republic		4° 22' 00" N 18° 35' 00" E	369 m
Bangui area	Central African Republic	ca.	4° 22' 00" N 18° 35' 00" E	
Bangui or Boukoko	Central African Republic	ca.	4° 06' 00" N 18° 12' 00" E	
Bangui prefecture	Central African Republic			
Bangui, 10 km from (I) (see Landjia)	Central African Republic		4° 22' 00" N 18° 39' 00" E	
Bangui, 10 km from (II) (see Mpoko)	Central African Republic	ca.	4° 24' 00" N 18° 31' 00" E	
Bangui, 120 km N (see Bozo)	Central African Republic		5° 08' 26" N 18° 28' 44" E	
Bangui, 300 km NE (see Bambari)	Central African Republic		5° 46' 05" N 20° 40' 32" E	465 m
Bangula swamp, 4 km SW Chiromo (see also: Chiromo, 4 km SW)	Malawi		16° 35' 00" S 35° 07' 00" E	
Bangweli Camp	Ghana		9° 42' 00" N 1° 53' 00" W	
Bangwelk, Lake (see Lake Bangweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	2000 ft
Bangweolo and Lake Nyasa, between	Malawi			
Bangweolo, lake (see Lake Bangweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	2000 ft
Bangweulu, lake (see Lake Bangweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	2000 ft
Bangwon (see also: Bangmo)	Ghana		10° 58' 00" N 2° 41' 00" W	303 m
Banhine National Park, 45 km SW Magude	Mozambique		22° 45' 21" S 32° 48' 19" E	
Bani Suwayf (see also: Bani Suwayf, Bani Szuvajf kormányzóság, Beni Souef, Beni Sue, Beni Suef, Beni Suweif)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Bani Suwayf (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Bani Suwayf governorate (see also: Beni Suwayf governorate |PC:BN|, Beni-Suef governorate |PC:BN|)	Egypt			
Bani Szuvajf kormányzóság (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Bani Walid municipality	Libya			
Banjan caves (see also: Banjan grotten, Grottes de Banjan, Thysville, cave, Thysville, cave b 13 a)	Congo (Democratic Republic of the)		5° 16' 00" S 14° 53' 00" E	

Banjan grotten (see Banjan caves)	Congo (Democratic Republic of the)		5° 16' 00" S 14° 53' 00" E	
Banjeri (see Oti (River))	Togo		7° 48' 00" N 0° 08' 00" E	
Banjul (see also: Bathurst)	The Gambia		13° 27' 11" N 16° 34' 39" W	0 m
Banjul region	The Gambia			
Banjul, 8 mi [=13 km] W	The Gambia	ca.	13° 28' 00" N 16° 39' 00" W	
Banjun	Cameroon			
Banlesbeni	Equatorial Guinea			
Banso Highlands	Cameroon	ca.	6° 10' 00" N 10° 40' 00" E	ca. 1850 m
Bantabaré cave	Equatorial Guinea		3° 19' 33" N 8° 34' 29" E	
Bantu Lueru (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Banwa province	Burkina Faso			
Bany (see Santiago de Baney)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Banyo, 30 km ESE	Cameroon	ca.	6° 47' 00" N 12° 00' 00" E	
Banza Nfinda caves (see also: Banza Nfinda grot, Grotte de Banza Nfinda)	Congo (Democratic Republic of the)		5° 16' 00" S 14° 52' 00" E	ca. 611 m
Banza Nfinda grot (see Banza Nfinda caves)	Congo (Democratic Republic of the)		5° 16' 00" S 14° 52' 00" E	ca. 611 m
Baobab Hill, 200 m S, turn off to Machayi Pan	South Africa		22° 29' 41" S 31° 12' 25" E	
Baoulé	Togo		10° 16' 00" N 0° 35' 00" E	149 m
Bar Circle Ranches	Swaziland		26° 41' 00" S 31° 53' 00" E	
Baraawe (see also: Barawa, Barawe, Braawe, Brava, Brave)	Somalia		1° 06' 00" N 44° 03' 00" E	0 m
Barafinda cave B 13 (see also: Barafinda grotte B 13)	Congo (Democratic Republic of the)		5° 43' 00" S 14° 28' 00" E	
Barafinda grotte B 13 (see Barafinda cave B 13)	Congo (Democratic Republic of the)		5° 43' 00" S 14° 28' 00" E	
Baraka	Congo (Democratic Republic of the)		4° 05' 27" S 29° 05' 15" E	772 m
Baraka, 5 mi [=8 km] N	Congo (Democratic Republic of the)	ca.	4° 05' 27" S 29° 05' 15" E	
Barakat, near Wadi Medani	Sudan		14° 19' 00" N 33° 32' 00" E	415 m
Barawa	Tanzania			
Barawa (see Baraawe)	Somalia		1° 06' 00" N 44° 03' 00" E	0 m
Barawe (see Baraawe)	Somalia		1° 06' 00" N 44° 03' 00" E	0 m
Barberspan Flora en Fauna Natuurreservaat (see Barberspan Provincial Nature Reserve), Delareyville, 24 km E	South Africa		26° 34' 00" S 25° 35' 00" E	
Barberspan Natuurreserwe (see Barberspan Provincial Nature Reserve), Delareyville, 24 km E	South Africa		26° 34' 00" S 25° 35' 00" E	
Barberspan Provincial Nature Reserve, Delareyville, 24 km E (see also: Barberspan Flora en Fauna Natuurreservaat, Barberspan Natuurreserwe, Delareyville, 24 km E)	South Africa		26° 34' 00" S 25° 35' 00" E	
Barberton (see also: Umhlumna)	South Africa		25° 47' 00" S 31° 03' 00" E	786 m
Barberton (mine) tunnel	South Africa		25° 47' 58" S 31° 02' 57" E	596 m
Barberton Cave (see Barberton Farm)	Kenya		0° 45' 00" N 34° 45' 00" E	
Barberton Farm, 20 mi [=32 km] SW Kitale (see also: Barberton Cave, Kitale, 20 mi [=32 km] SW, Renishaw, Renshaw Barberton Farm)	Kenya		0° 45' 00" N 34° 45' 00" E	1951 m
Barberton Farm Pool, 32 km SW Kitale (see also: Barberton Pool)	Kenya		0° 49' 00" N 34° 49' 00" E	
Barberton Pool (see Barberton Farm Pool), 32 km SW Kitale	Kenya		0° 49' 00" N 34° 49' 00" E	
Barberton, 10.4 km NNE (see Chambaire Nursery)	South Africa		25° 42' 11" S 30° 58' 39" E	675 m
Barberton, 11 km ENE (see Figaro Mine)	South Africa		25° 27' 00" S 31° 28' 00" E	
Barberton, 14 km NW	South Africa		25° 47' 00" S 30° 54' 00" E	
Barberton, 14 mi [=22 km] W	South Africa	ca.	25° 47' 00" S 30° 54' 00" E	
Barberton, 2 mi [=3.2 km] SW	South Africa	ca.	25° 47' 00" S 30° 54' 00" E	
Barclay, mount	Liberia		4° 48' 00" N 8° 10' 00" W	
Barga	Burkina Faso		13° 47' 00" N 2° 16' 00" W	331 m
Barga, 9 km NE	Burkina Faso		13° 51' 00" N 2° 12' 00" W	
Bari region (see also: North East region |PC:|)	Somalia			
Baring, lake (see Baringo, lake)	Kenya		0° 38' 00" N 36° 05' 00" E	
Baringo (see Mukutan)	Kenya		0° 38' 00" N 36° 16' 00" E	1303 m
Baringo county	Kenya			
Baringo district	Kenya			
Baringo, 30 mi [=48 km] NW	Kenya	ca.	0° 30' 00" N 35° 50' 00" E	

Baringo, lake (see also: Baring, lake, Lake Baringo)	Kenya		0° 38' 00" N 36° 05' 00" E	
Barites Mine	Swaziland		26° 13' 12" S 31° 01' 48" E	
Barkley East (see Barkly East)	South Africa		30° 58' 00" S 27° 36' 00" E	1789 m
Barkley West (see Barkly West)	South Africa		28° 30' 00" S 24° 33' 00" E	1150 m
Barkly East, Drumbo (see also: Barkley East, Barkly-Oos)	South Africa		30° 58' 00" S 27° 36' 00" E	1789 m
Barkly East district (see Chris Hani district)	South Africa			
Barkly East, 12.3 km S, 14.1 km W (see Farm Clifford 287)	South Africa		31° 04' 41" S 27° 26' 58" E	1780 m
Barkly East, 7.9 km S, 23.4 km W (see Farm Buckholt 228)	South Africa		31° 02' 15" S 27° 21' 08" E	1680 m
Barkly West (see also: Barkley West, Barkly-Wes)	South Africa		28° 30' 00" S 24° 33' 00" E	1150 m
Barkly-Oos (see Barkly East)	South Africa		30° 58' 00" S 27° 36' 00" E	1789 m
Barkly-Wes (see Barkly West)	South Africa		28° 30' 00" S 24° 33' 00" E	1150 m
Barlavento archipelago	Cape Verde			
Baro	Ethiopia			
Baro	Cameroon		5° 15' 00" N 9° 13' 00" E	
Baro, 1 km S, 4.25 km W (see Bake river bridge)	Cameroon		5° 16' 00" N 9° 13' 00" E	
Baromb Kang, 4 mi S Kumba (see also: Kumba, 4 mi [=6.4 km] S, Kumba, 6 km S)	Cameroon		4° 36' 40" N 9° 27' 21" E	
Barombi Fishing Village	Cameroon		4° 39' 00" N 9° 24' 00" E	288 m
Barombi, Lake (see also: Barombi-Mbo, lake, Lake Barombi, Lake Barombi-Mbo)	Cameroon		4° 39' 00" N 9° 25' 00" E	457 m
Barombi, SE shore lake (see also: Lake Barombi, SE shore)	Cameroon		4° 27' 00" N 9° 15' 00" E	
Barombi, south shore lake (see also: Lake Barombi, south shore)	Cameroon		4° 39' 00" N 9° 25' 00" E	
Barombi, west side lake (see also: Lake Barombi, west side)	Cameroon		4° 39' 00" N 9° 25' 00" E	
Barombi-Mbo Lake shore, 46 mi [=74 km] ???	Cameroon		4° 40' 28" N 9° 23' 23" E	288 m
Barombi-Mbo, lake (see Barombi, Lake)	Cameroon		4° 39' 00" N 9° 25' 00" E	457 m
Barr ash Sharqiyah (see Barr el-Sharqiya)	Egypt		31° 00' 55" N 32° 03' 45" E	
Barr el-Sharqiya (see also: Barr ash Sharqiyah, Sharqiya)	Egypt		31° 00' 55" N 32° 03' 45" E	
Barranco de La Cantera	Canary Islands (Spain)		28° 22' 00" N 16° 39' 00" W	300 m
Bartabwa, 15 mi [=24 km] NNE (see Kabarsera)	Kenya		0° 56' 15" N 35° 52' 00" E	762 m
Baruka cave, 10 mi [=16 km] N(W) Sinoia (see also: Chinhoyi, 10 mi [=16 km] N(W), Orchid cave, Sinoia, 10 mi [=16 km] N(W))	Zimbabwe		17° 22' 12" S 30° 04' 48" E	
Baruma	Kenya			
Baruri Gorge	Zimbabwe		17° 37' 30" S 27° 52' 30" E	
Baryeh Oasis (see Al Wahat al Bahriyah)	Egypt		28° 15' 00" N 28° 57' 00" E	
Barzala cave (see Rako Barzala)	Ethiopia	ca.	9° 20' 00" N 42° 05' 00" E	
Bas (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Bas Congo (former) province (see Kongo Central province)	Congo (Democratic Republic of the)	ca.	5° 00' 00" S 15° 00' 00" E	
Bas Congo province (see Kongo Central province)	Congo (Democratic Republic of the)	ca.	5° 00' 00" S 15° 00' 00" E	
Bas Mangoky agricultural station	Madagascar	ca.	21° 36' 00" S 43° 42' 00" E	
Bas Ogooué (see Ogooué River, lower)	Gabon	ca.	1° 00' 00" S 9° 15' 00" E	
Bas Uele province (see also: Lower Uele province)	Congo (Democratic Republic of the)			
Basacato (see Basacato del Oeste)	Equatorial Guinea		3° 35' 27" N 8° 37' 24" E	252 m
Basacato del Oeste (see also: Basacato, Basakato, Cueva Bosacato)	Equatorial Guinea		3° 35' 27" N 8° 37' 24" E	252 m
Basakato (see Basacato del Oeste)	Equatorial Guinea		3° 35' 27" N 8° 37' 24" E	252 m
Basal Mission	Cameroon		4° 39' 00" N 9° 26' 00" E	243 m
Basapu (see Basupú)	Equatorial Guinea		3° 43' 00" N 8° 41' 04" E	112 m
Bascho (see Basho)	Cameroon		6° 08' 00" N 9° 26' 00" E	267 m
Bashauo (see Basho)	Cameroon		6° 08' 00" N 9° 26' 00" E	267 m
Basho (see also: Bascho, Bashauo)	Cameroon		6° 08' 00" N 9° 26' 00" E	267 m
Bashungwe Cave, Chinhoyi (see also: Bashungwi Cave, Zemaiwi Cave)	Zimbabwe		17° 12' 00" S 29° 13' 00" E	
Bashungwi Cave (see Bashungwe Cave), Chinhoyi	Zimbabwe		17° 12' 00" S 29° 13' 00" E	
Basilé Radio (see Basilé village)	Equatorial Guinea		3° 41' 39" N 8° 48' 13" E	572 m
Basilé village (see also: Basilé Radio, Rasilé)	Equatorial Guinea		3° 41' 39" N 8° 48' 13" E	572 m
Basipu (see Basupú)	Equatorial Guinea		3° 44' 00" N 8° 49' 00" E	154 m
Basita (see Bacita)	Nigeria		9° 05' 00" N 4° 57' 00" E	100 m
Baso (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Basoalo (see Basuala)	Equatorial Guinea		3° 38' 00" N 8° 56' 00" E	0 m

Basoko	Congo (Democratic Republic of the)		1° 14' 00" N 23° 36' 00" E	429 m
Basoko territory	Congo (Democratic Republic of the)		1° 14' 00" N 23° 36' 00" E	
Basongo	Congo (Democratic Republic of the)		4° 20' 00" S 20° 24' 00" E	329 m
Bassar prefecture (see Préfecture de Bassar)	Togo		9° 15' 00" N 0° 45' 00" E	
Bassar, circonscription de (see Préfecture de Bassar)	Togo		9° 15' 00" N 0° 45' 00" E	
Bassari, cercle de (see Préfecture de Bassar)	Togo		9° 15' 00" N 0° 45' 00" E	
Bassari, circonscription de (see Préfecture de Bassar)	Togo		9° 15' 00" N 0° 45' 00" E	
Bas-Sassandra (former) region	Côte d'Ivoire			
Bas-Sassandra district	Côte d'Ivoire			
Basse (see Basse Santa Su)	The Gambia		13° 19' 00" N 14° 13' 00" W	0 m
Basse Santa Su (see also: Basse)	The Gambia		13° 19' 00" N 14° 13' 00" W	0 m
Basse Vallée, 0.7 km SSW (see Le Cap Méchant)	Réunion		21° 22' 30" S 55° 42' 34" E	10 m
Basse-Iti	Liberia			
Basse-Kotto prefecture	Central African Republic			
Basso (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Basso Narok (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Basso Norok (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Bassutoland	South Africa			
Basuala (see also: Basoalo)	Equatorial Guinea		3° 38' 00" N 8° 56' 00" E	0 m
Basupí Fiston (see Basupú)	Equatorial Guinea		3° 44' 00" N 8° 49' 00" E	154 m
Basupú, km 10 on Malabo - Luba road (see also: Basapu, Basupú del Oeste, Malabo to Luba road, km 10)	Equatorial Guinea		3° 43' 00" N 8° 41' 04" E	112 m
Basupú (see also: Bacipú, Basipu, Basupí Fiston, Fish Town, Fishtown)	Equatorial Guinea		3° 44' 00" N 8° 49' 00" E	154 m
Basupú del Oeste (see Basupú)	Equatorial Guinea		3° 43' 00" N 8° 41' 04" E	112 m
Basupú river (see Río Basupú)	Equatorial Guinea	ca.	3° 43' 00" N 8° 41' 04" E	
Basutoland, Berea district?	Lesotho			
Bat cave, 4 km NE El Haouaria (see also: El Haouaria, 4 km NE, El Huaria cave, Grotte aux chauves-souris)	Tunisia		37° 05' 00" N 11° 03' 00" E	
Bat Cave, 3 km NW Mahamasima (see also: Grotte des chauves-souris, Mahamasina, 3 km NW)	Madagascar		12° 57' 23" S 49° 07' 05" E	80 m
Bat Cave (see also: Grotte aux Chauves-souris)	Mauritania	ca.	19° 45' 00" N 14° 25' 00" W	
Bat cave (see Grotte des Chauves-souris)	Madagascar		18° 10' 52" S 47° 17' 21" E	1500 m
Bat island, near Central island	Kenya		3° 27' 00" N 36° 04' 00" E	
Bat Mountain (see Mbalame, mountain)	Malawi		14° 09' 00" S 33° 53' 00" E	
Bat/maki cave (see Grotte des chauves-souris/makis)	Madagascar		23° 28' 20" S 43° 46' 14" E	
Bata (see also: Exfosa, Kokapipa, La Salle, Mbangan (district), Praderas Asonga, San Pedro de Lea (district))	Equatorial Guinea		1° 51' 00" N 9° 45' 00" E	
Bata (see also: Bala)	Congo (Democratic Republic of the)		6° 01' 00" S 19° 40' 00" E	590 m
Bata - Ayamiken road, km 25, Ngongo river?	Equatorial Guinea	ca.	1° 59' 00" N 9° 55' 00" E	
Bata - Enbia road	Equatorial Guinea	ca.	1° 51' 00" N 9° 49' 00" E	
Bata International Airport	Equatorial Guinea		1° 54' 00" N 9° 48' 00" E	
Bata to Ayamiken road, km 25 /35 (see Río Ngomo)	Equatorial Guinea	ca.	2° 04' 03" N 9° 58' 26" E	
Bata to Niefang road, km 3	Equatorial Guinea	ca.	1° 51' 22" N 9° 51' 38" E	
Bata, 10 km from, on road to Mbini (see Aman)	Equatorial Guinea		1° 46' 18" N 9° 46' 32" E	592 m
Bata, 22 km from (see Nsing)	Equatorial Guinea			
Bata, 30 km S (see Micomibe)	Equatorial Guinea		1° 39' 47" N 9° 42' 57" E	508 m
Bata, aledores de la ciudad (see Bata, outskirts)	Equatorial Guinea	ca.	1° 51' 00" N 9° 45' 00" E	
Bata, outskirts (see also: Bata, aledores de la ciudad)	Equatorial Guinea	ca.	1° 51' 00" N 9° 45' 00" E	
Batala's Village, 30 mi W Beni (see also: Beni, 30 mi [=48 km] W, Mambabwanga Hill)	Congo (Democratic Republic of the)		0° 30' 00" N 29° 15' 00" E	914 m
Batanga	Cameroon			
Bataw (see Bator)	Ghana		6° 04' 00" N 0° 25' 00" E	56 m
Bateke plateau	Gabon		0° 41' 31" N 14° 20' 53" E	
Batete, near Luba (see also: Claret de Batete)	Equatorial Guinea		3° 26' 36" N 8° 30' 18" E	285 m
Batha region	Chad			
Bathurst (see Banjul)	The Gambia		13° 27' 11" N 16° 34' 39" W	0 m
Bathurst State Forest, 4.7 km S, 3.7 km W Bathurst (see also: Bathurst, 4.7 km S, 3.7 km W)	South Africa		33° 32' 45" S 26° 47' 12" E	10 m

Bathurst, 4.7 km S, 3.7 km W (see Bathurst State Forest)	South Africa		33° 32' 45" S 26° 47' 12" E	10 m
Bathurst, 8 mi [=13 km] W	The Gambia	ca.	13° 28' 00" N 16° 39' 00" W	
Batna	Algeria		35° 34' 00" N 6° 10' 00" E	
Batna province (see also: Aurès province |PC: BT|, Wilaga de l' Aures , Wilaya de Batna)	Algeria	ca.	35° 30' 00" N 5° 55' 00" E	
Batoala (see also: Batouala, Makokou, 96 km E)	Gabon		0° 48' 00" N 13° 26' 00" E	489 m
Batoka Gorge, Dibutibu River	Zimbabwe		17° 56' 00" S 26° 15' 00" E	
Batoke, near Bota (see also: Batoki)	Cameroon		4° 01' 49" N 9° 06' 04" E	79 m
Batoki (see Batoke), near Bota	Cameroon		4° 01' 49" N 9° 06' 04" E	79 m
Batoko (river) (see Olongo-Nsongo [river])	Congo (Democratic Republic of the)		1° 39' 00" S 18° 05' 00" E	
Bator (see also: Bataw, Battor)	Ghana		6° 04' 00" N 0° 25' 00" E	56 m
Batouala (see Batoala), 96 km E Makokou (between Makokou and Mékambo)	Gabon		0° 48' 00" N 13° 26' 00" E	489 m
Batouala Cave	Gabon		0° 49' 12" N 13° 27' 00" E	
Batouala or Bélinga	Gabon	ca.	1° 00' 00" N 13° 20' 00" E	
Batouala, near	Gabon	ca.	0° 48' 00" N 13° 26' 00" E	
Batouri district (see also: Batowri district)	Cameroon	ca.	4° 25' 00" N 14° 20' 00" E	
Batowri district (see Batouri district)	Cameroon	ca.	4° 25' 00" N 14° 20' 00" E	
Batrakum	Niger	ca.	16° 25' 00" N 7° 15' 00" E	
Bat's Cave, 5 km S, 7.5 km W Nahoon Point (see also: Nahoon Point, 5 km S, 7.5 km W)	South Africa		33° 02' 45" S 27° 52' 05" E	0 m
Bat's cave	South Africa		34° 02' 00" S 25° 32' 00" E	20 m
Bats cave (see Bats Hole)	Namibia		22° 39' 00" S 15° 31' 00" E	
Bat's Cave, Mission Rocks (see Mission Rocks Bats Cave), 12 km N, 8 km E St. Lucia Estuary	South Africa		28° 16' 00" S 32° 30' 00" E	0 m
Bats Hole (see also: Bats cave)	Namibia		22° 39' 00" S 15° 31' 00" E	
Battelary, Langebaan	South Africa		33° 09' 00" S 18° 06' 00" E	
Battor (see Bator)	Ghana		6° 04' 00" N 0° 25' 00" E	56 m
Bauchi, Yankari Game Reserve	Nigeria			
Bauchi state	Nigeria			
Baudhuinville (see Moba)	Congo (Democratic Republic of the)		7° 03' 00" S 29° 47' 00" E	763 m
Baudouinville (see Moba)	Congo (Democratic Republic of the)		7° 03' 00" S 29° 47' 00" E	763 m
Bauelende (see Bauelendu)	Congo (Democratic Republic of the)		0° 16' 00" N 29° 36' 00" E	925 m
Bauelendu (see also: Bauelende)	Congo (Democratic Republic of the)		0° 16' 00" N 29° 36' 00" E	925 m
Baviaanskrans, Farm 308JQ (see Kgaswane Nature Reserve)	South Africa		25° 43' 13" S 27° 11' 07" E	
Baviaanspoort Sewage Works, 21 km NE Pretoria (see also: Pretoria, 21 km NE)	South Africa		25° 41' 25" S 28° 21' 47" E	
Baviaanspoort, Farm 330 (see Farm Baviaanspoort 330), Pretoria, 19 km NE	South Africa		25° 40' 48" S 28° 21' 36" E	
Bawaka	Gabon		0° 22' 52" N 12° 43' 34" E	
Bawiti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
Bawiti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
Bay region	Somalia			
Baya carrière (see Baya quarry), 30 km S Lubumbashi	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
Baya cave (see Baya quarry) (see also: Baga cave, Grotte de Baya, Grotte de M'baya, M'baya cave, M'baya grot)	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
Baya grot (see Baya quarry)	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
Baya quarry, 30 km S Lubumbashi (see also: Baya carrière, Baya cave, Baya grot, Carrière Baya, Carrière Pierkat, Lubumbashi, 30 km S, Pierkat quarry)	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
Bayda (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Baye via Bondo	Congo (Democratic Republic of the)		4° 25' 00" N 23° 04' 00" E	
Bayelsa state	Nigeria			
Bayete Camp	South Africa		27° 46' 48" S 32° 18' 36" E	ca. 56 m
Bayip, 31 km WNW Nossob [=Nossob camp] (see also: Nassob, 31 km WNW, Nossob camp, 31 km WNW)	South Africa		25° 17' 00" S 20° 13' 00" E	

Bazaribe, cave, 3.6 km SE Menagisy (see also: Grotte de Bazaribe, Menagisy, 3.6 km SE)	Madagascar		12° 42' 44" S 49° 28' 25" E	90 m
Bazaruto Island (see also: Bazaruto, Ilha do)	Mozambique		21° 39' 46" S 35° 28' 04" E	
Bazaruto Lodge	Mozambique		21° 36' 55" S 35° 20' 15" E	
Bazaruto, Ilha do (see Bazaruto Island)	Mozambique		21° 39' 46" S 35° 28' 04" E	
Bazéga province	Burkina Faso			
Bazely village (see Bazley Beach)	South Africa		30° 25' 58" S 30° 40' 10" E	
Bazimini	Comoro Islands		12° 10' 45" S 44° 26' 56" E	623 m
Bazley Beach (see also: Bazely village)	South Africa		30° 25' 58" S 30° 40' 10" E	
Bdienguele	Mozambique		24° 57' 27" S 34° 11' 22" E	
Be'adu Bota (see also: Bahadu)	Ethiopia		10° 11' 35" N 40° 37' 08" E	
Beanka forest (see Forêt de Beanka)	Madagascar	ca.	17° 26' 27" S 44° 12' 59" E	
Beaufort West, 2 km NW (see Karoo National Park)	South Africa		32° 15' 00" S 22° 35' 00" E	1000 m
Beaufort West, 23 km N (see Matjies Vlei)	South Africa		32° 08' 00" S 22° 33' 00" E	
Beaufort West, 9 km NW (see Karoo National Park)	South Africa		32° 20' 00" S 22° 33' 00" E	
Beaumont	South Africa		29° 52' 42" S 30° 33' 29" E	710 m
Beayop, Loo River / Mikenle River, Micomeseng	Equatorial Guinea		2° 09' 04" N 10° 48' 37" E	337 m
Bébaé (see also: Bebai)	Cameroon		2° 45' 00" N 11° 05' 00" E	483 m
Bebai (see Bébaé)	Cameroon		2° 45' 00" N 11° 05' 00" E	483 m
Bébé cave (see also: Grotte de Bébé, Grotte de Bolé)	Central African Republic	ca.	3° 49' 55" N 17° 50' 45" E	
Bebedja (see Bébédjia)	Chad		8° 41' 00" N 16° 34' 00" E	397 m
Bébédjia, near Moundou? (see also: Bebedja, Bebeidja, Bebeidjia, Bebiya)	Chad		8° 41' 00" N 16° 34' 00" E	397 m
Bebeidja (see Bébédjia)	Chad		8° 41' 00" N 16° 34' 00" E	397 m
Bebeidjia (see Bébédjia)	Chad		8° 41' 00" N 16° 34' 00" E	397 m
Bebiana (see Bibiana)	Ghana		6° 27' 00" N 2° 18' 00" W	720 ft
Bebianiha (see Bibiana)	Ghana		6° 27' 00" N 2° 18' 00" W	720 ft
Bebiya (see Bébédjia)	Chad		8° 41' 00" N 16° 34' 00" E	397 m
Béchar (see also: Colomb Béchar)	Algeria		31° 37' 00" N 2° 13' 00" W	747 m
Béchar province	Algeria			
Bechar, 8 km NE	Algeria		31° 36' 00" N 2° 09' 00" W	ca. 747 m
Bechem	Ghana		7° 05' 00" N 2° 02' 00" W	293 m
Beda (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Bedford	South Africa		32° 41' 00" S 26° 06' 00" E	800 m
Bedford, 2.2 km N, 9.5 km E (see Cullendale)	South Africa		32° 39' 00" S 26° 11' 00" E	685 m
Befale	Congo (Democratic Republic of the)		0° 28' 00" N 20° 58' 00" E	393 m
Befandefa, 8.4 km SSE (see Forêt des Mikea (3))	Madagascar	ca.	22° 13' 56" S 43° 21' 50" E	
Befandriana (see also: Bofandriana)	Madagascar			
Beforona, between Tananarive and Andevoranto (see also: Beforono)	Madagascar		18° 58' 00" S 48° 35' 00" E	507 m
Beforono (see Beforona), between Tananarive and Andevoranto	Madagascar		18° 58' 00" S 48° 35' 00" E	507 m
Befotaka	Madagascar		23° 49' 48" S 46° 58' 12" E	800 m
Bege Meder province (see Gonder Kifle Hager province)	Ethiopia	ca.	12° 30' 00" N 37° 00' 00" E	
Begemder province (see Gonder Kifle Hager province)	Ethiopia	ca.	12° 30' 00" N 37° 00' 00" E	
Begemdir na Simen province (see Gonder Kifle Hager province)	Ethiopia	ca.	12° 30' 00" N 37° 00' 00" E	
Begemdir province (see Gonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Begemedir province (see Gonder Kifle Hager province)	Ethiopia	ca.	12° 30' 00" N 37° 00' 00" E	
Beghemeder province (see Gonder Kifle Hager province)	Ethiopia	ca.	12° 30' 00" N 37° 00' 00" E	
Begoro	Ghana		6° 17' 00" N 0° 23' 00" W	447 m
Behagie (see Laï)	Chad		9° 23' 43" N 16° 17' 56" E	361 m
Behagle (see Laï)	Chad		9° 23' 43" N 16° 17' 56" E	361 m
Behara	Madagascar		24° 57' 00" S 46° 23' 00" E	48 m
BeheiPC:BH|)	Egypt			
BeherPC:BH|)	Egypt			
Behobeho	Tanzania		8° 15' 00" S 37° 30' 00" E	
Beida (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Beira	Mozambique		19° 50' 37" S 34° 50' 20" E	14 m
Beira, 10 km N	Mozambique	ca.	19° 19' 00" S 34° 52' 00" E	
Beira, 20 mi [=32 km] N	Mozambique	ca.	19° 49' 00" S 34° 52' 00" E	
Beira, 212 km SSW	Mozambique		21° 26' 12" S 33° 51' 01" E	
Beira, near	Mozambique	ca.	19° 50' 00" S 34° 51' 00" E	
Béja governorate	Tunisia			
Béjaïa (see also: Bejaia, Bgayet, Bidzaja, Bijaya, Bougie, Saldae)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m

Bejaia (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Béjaïa province	Algeria			
Bekapity cave (see Grotte de Bekapity)	Madagascar		22° 38' 00" S 45° 13' 05" E	
Bekawi (see Bekwai)	Ghana		6° 27' 00" N 1° 35' 00" W	219 m
Bekopaka, 15.5 km N (see Anjohikinakina cave)	Madagascar		19° 00' 36" S 44° 46' 04" E	
Bekopaka, 3.5 km E	Madagascar	ca.	19° 09' 00" S 44° 50' 00" E	
Bekopake, just outside the limit of the Parc national de Bemaraha (see also: Andadoany, 1.8 km SE and 0.6 km NE)	Madagascar		19° 09' 00" S 44° 48' 00" E	27 m
Bekrit (see also: Bakrit, Bekrite, Berkit)	Morocco		33° 04' 48" N 5° 12' 36" W	1793 m
Bekrite (see Bekrit)	Morocco		33° 04' 48" N 5° 12' 36" W	1793 m
Bekwai (see also: Bekawi, Bekwai Ash)	Ghana		6° 27' 00" N 1° 35' 00" W	219 m
Bekwai Ash (see Bekwai)	Ghana		6° 27' 00" N 1° 35' 00" W	219 m
Bela	Congo (Democratic Republic of the)		0° 38' 00" N 29° 14' 00" E	913 m
Bela Vista, Río Papaga	São Tomé and Principé		1° 37' 00" N 7° 25' 00" E	
Bela Vista	Mozambique		25° 58' 00" S 32° 30' 00" E	5 m
Bela Vista, 3 mi NE (see Dondi)	Angola			
Bela Vista, 5 km S, Río Papagaio	São Tomé and Principé	ca.	1° 34' 39" N 7° 23' 39" E	
Bela-Bela, 50 km W (see Farm Vellefontein 517 KQ)	South Africa		24° 49' 26" S 27° 47' 07" E	
Bela-Bela, 53 km W (see Farm Rietfontein 536KQ)	South Africa		24° 54' 30" S 27° 44' 36" E	
Bélabo	Cameroon		4° 56' 00" N 13° 18' 00" E	610 m
Bele / Adjola	Cameroon		2° 12' 00" N 14° 37' 00" E	
Belebu and Ureka, between (see Caldera de San Carlos Scientific Reserve)	Equatorial Guinea	ca.	3° 20' 00" N 8° 34' 00" E	
Belelipa (see Bilelipa)	Equatorial Guinea		3° 29' 00" N 8° 48' 00" E	215 m
Belépipa (see Bilelipa)	Equatorial Guinea		3° 29' 00" N 8° 48' 00" E	215 m
Belès (see Belesa)	Ethiopia		13° 50' 00" N 39° 36' 00" E	2112 m
Belesa (see also: Belès)	Ethiopia		13° 50' 00" N 39° 36' 00" E	2112 m
Beletipa (see Bilelipa)	Equatorial Guinea		3° 29' 00" N 8° 48' 00" E	215 m
Beletta forest (see Belletta forest), 38 km SW Jimma	Ethiopia		7° 32' 00" N 36° 31' 00" E	2050 m
Belfast Town	South Africa		25° 41' 00" S 30° 20' 00" E	
Belfonan	South Africa			
Belgian River	Congo (Democratic Republic of the)			
Bélier region	Côte d'Ivoire			
Bélinga (see also: Belinga)	Gabon		1° 08' 00" N 13° 07' 00" E	390 m
Belinga (see Bélinga)	Gabon		1° 08' 00" N 13° 07' 00" E	390 m
Bélinga or Lamto	Bélinga or Lamto			
Belinga, near	Gabon	ca.	1° 08' 00" N 13° 07' 00" E	390 m
Beliyela (see Belle Yella)	Liberia		7° 22' 35" N 9° 59' 54" W	261 m
Bellair	South Africa		29° 53' 00" S 30° 57' 00" E	
Bellar Adduss	South Africa			
Belle Yela (see Belle Yella)	Liberia		7° 22' 35" N 9° 59' 54" W	261 m
Belle Yella (see also: Beliyela, Belle Yela, Belleyellah, Belliyela, Belliyella)	Liberia		7° 22' 35" N 9° 59' 54" W	261 m
Bellegas	Sudan			
Bellegas-Thal (see Balaghes valley)	Ethiopia		12° 50' 00" N 38° 20' 00" E	762 m
Bellegaz valley (see Balaghes valley)	Ethiopia		12° 50' 00" N 38° 20' 00" E	
Belletta forest, 38 km SW Jimma (see also: Beletta forest, Bellista forest, Jimma, 38 km SW)	Ethiopia		7° 32' 00" N 36° 31' 00" E	2050 m
Belleyellah (see Belle Yella)	Liberia		7° 22' 35" N 9° 59' 54" W	261 m
Bellista forest (see Belletta forest), 38 km SW Jimma	Ethiopia		7° 32' 00" N 36° 31' 00" E	2050 m
Belliyela (see Belle Yella)	Liberia		7° 22' 35" N 9° 59' 54" W	261 m
Belliyella (see Belle Yella)	Liberia		7° 22' 35" N 9° 59' 54" W	261 m
Bellsbank (see Bellsbank Estates), 47 km W Warrenton	South Africa		28° 08' 00" S 24° 24' 00" E	
Bellsbank Estates, 47 km W Warrenton (see also: Bellsbank, Warrenton, 47 km W)	South Africa		28° 08' 00" S 24° 24' 00" E	
Belo Monte	São Tomé and Principé		1° 41' 00" N 7° 27' 00" E	508 m
Belo Tsiribihina	Madagascar		19° 42' 01" S 44° 32' 51" E	
Belobaka	Madagascar		15° 41' 26" S 46° 25' 08" E	
Beloha	Madagascar		25° 10' 00" S 45° 03' 00" E	
Beltim, Nile delta	Egypt			
Belvedere, near Knysna	South Africa		34° 02' 00" S 22° 59' 00" E	

Bemangidy, Poste Manantenina, 72 km N of Ft Dauphin (see also: Fort-Dauphin, 72 km N, Tolanaro, 72 km N)	Madagascar		24° 24' 00" S 47° 00' 00" E	
Bemara gorges (see Bemaraha National Park)	Madagascar		18° 45' 00" S 44° 50' 00" E	
Bémaraha caves (see also: Grottes de Bémaraha)	Madagascar	ca.	18° 45' 00" S 44° 50' 00" E	
Bemaraha National Park (see also: Bemara gorges, Bemaraha, Tsingin' i, Parc National de Bemaraha, Tsingy de Bemaraha, Reserve Naturelle de)	Madagascar		18° 45' 00" S 44° 50' 00" E	
Bemaraha, Tsingin' i (see Bemaraha National Park)	Madagascar		18° 45' 00" S 44° 50' 00" E	
Bembéréké (see Bimbéréké)	Benin		10° 14' 00" N 2° 40' 00" E	449 m
Bembesi	Zimbabwe		20° 00' 00" S 28° 45' 00" E	
Ben Arous governorate	Tunisia			
Ben Gardan (see Bir Qirdan)	Tunisia		33° 08' 00" N 11° 13' 00" E	8 m
Ben Gardane (see Bir Qirdan)	Tunisia		33° 08' 00" N 11° 13' 00" E	8 m
Ben Slimane prefecture	Morocco			
Bena Longo (see Bene Longo)	Congo (Democratic Republic of the)		4° 52' 00" S 21° 40' 00" E	
Bena Mbala	Congo (Democratic Republic of the)		6° 48' 00" S 23° 47' 00" E	
Bena Tshadi (see also: Bena Tshandi, Bena Tshiadi)	Congo (Democratic Republic of the)		4° 40' 00" S 22° 49' 00" E	615 m
Bena Tshandi (see Bena Tshadi)	Congo (Democratic Republic of the)		4° 40' 00" S 22° 49' 00" E	615 m
Bena Tshiadi (see Bena Tshadi)	Congo (Democratic Republic of the)		4° 40' 00" S 22° 49' 00" E	615 m
Bena-Kaniki (see Kaniki Kapangu)	Congo (Democratic Republic of the)		6° 45' 00" S 23° 31' 00" E	805 m
Benane, 2 km E Garba Tula (see also: Garba Tula, 2 km E)	Kenya		0° 30' 00" N 38° 40' 00" E	366 m
Bender Cassim (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bender Filuch (see Afkala Haya)	Somalia		11° 54' 00" N 50° 35' 00" E	5 m
Bender Gelid (see Afkala Haya)	Somalia		11° 54' 00" N 50° 35' 00" E	5 m
Bender Geoid (see Afkala Haya)	Somalia		11° 54' 00" N 50° 35' 00" E	5 m
Bender Qaasin (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bénder Qasin (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bendo (see Nanakru)	Liberia		4° 49' 50" N 8° 43' 34" W	66 m
Bendu	Liberia		6° 45' 47" N 11° 12' 48" W	134 m
Bene Longo (see also: Bena Longo)	Congo (Democratic Republic of the)		4° 52' 00" S 21° 40' 00" E	
BenesPC:BE|) (see also: Binshangul Gumuz)	Ethiopia			
Beneva Tunnel (see Esperanza Tunnel), Suzela	South Africa		30° 20' 38" S 30° 37' 53" E	
Bengale	Bengale			
Bengale	Congo (Democratic Republic of the)		4° 08' 00" S 16° 40' 00" E	
Ben-Gardán (see Bir Qirdan)	Tunisia		33° 08' 00" N 11° 13' 00" E	8 m
Bengasi (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Bengazi (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Benghasi (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Benghazi (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Benghazi district	Libya			
Benghensdorp	South Africa			
Bengo province	Angola			
Bengoué (see also: Bengoue)	Gabon		0° 58' 00" S 9° 11' 00" E	0 m
Bengoue (see Bengoué)	Gabon		0° 58' 00" S 9° 11' 00" E	0 m
Benguela (see also: Benguella, São Félipe de Benguela)	Angola		12° 34' 42" S 13° 24' 26" E	39 m
Benguela province	Angola			
Benguella (see Benguela)	Angola		12° 34' 42" S 13° 24' 26" E	39 m
Bengweulu, Lake (see Lake Bangweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	2000 ft
Beni (see also: New Beni)	Congo (Democratic Republic of the)		0° 30' 00" N 29° 28' 00" E	853 m
Béni Abbès (see also: Beni Abbes)	Algeria		30° 08' 00" N 2° 10' 00" W	470 m
Beni Abbes (see Béni Abbès) (see also: Benni Abbes)	Algeria		30° 08' 00" N 2° 10' 00" W	470 m
Béni Abbès, 15 km N	Algeria	ca.	30° 08' 00" N 2° 10' 00" W	
Béni Mellal prefecture	Morocco			
Béni Mellal-Khénifra region	Morocco			
Beni Souef (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Beni Sue (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Beni Suef (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
BeniPC:BN|)	Egypt			

Beni Suweif (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Beni territory	Congo (Democratic Republic of the)		0° 30' 00" N 29° 28' 00" E	
Beni territory	Congo (Democratic Republic of the)		0° 30' 00" N 29° 28' 00" E	
Beni, 25 km NW (see Moera's village), Ituri drainage	Congo (Democratic Republic of the)	ca.	0° 35' 00" N 29° 25' 00" E	914 m
Beni, 30 mi [=48 km] W (see Batala's Village)	Congo (Democratic Republic of the)		0° 30' 00" N 29° 15' 00" E	914 m
Beni, 36 km N (see Kisiki)	Congo (Democratic Republic of the)		0° 45' 00" N 29° 34' 00" E	1177 m
Benim (see Benin-City), Sapoba	Nigeria		6° 20' 00" N 5° 38' 00" E	77 m
Benin (see also: "Dahomey")	Benin			
Bénin (see Benin-City), Sapoba	Nigeria		6° 20' 00" N 5° 38' 00" E	77 m
Benin City, 30 mi [=48 km] W (see Okomu Forest Reserve)	Nigeria		6° 18' 46" N 5° 14' 01" E	
Benin Native Area (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City	Nigeria		6° 18' 46" N 5° 14' 01" E	
Benin-City, Sapoba (see also: Benim, Bénin)	Nigeria		6° 20' 00" N 5° 38' 00" E	77 m
Beni-PC:BN|)	Egypt			
Benito (see Mbini)	Equatorial Guinea		1° 35' 00" N 9° 37' 00" E	343 m
Benito River	Equatorial Guinea	ca.	1° 36' 00" N 9° 37' 00" E	
Benito River Forest station	Equatorial Guinea			
Benito River, 15 mi [=24 km] from mouth	Equatorial Guinea	ca.	1° 36' 00" N 9° 37' 00" E	
Benito River, 30 mi [=48 km] from mouth	Equatorial Guinea		1° 36' 00" N 10° 03' 12" E	76 m
Benjana (see Ambanizana)	Madagascar		15° 37' 00" S 49° 58' 00" E	255 m
Benni Abbes (see Beni Abbes)	Algeria		30° 08' 00" N 2° 10' 00" W	470 m
Beno, near Banningville (Bandungu)	Congo (Democratic Republic of the)		3° 37' 00" S 17° 48' 00" E	281 m
Benoue, upper valley (see Upper Benoue Valley)	Cameroon			
Benshangul-Gumaz state (see also: Banashangul Gumuz state |PC:BE|, Beneshangul Gumuz state |PC:BE|)	Ethiopia			
Bentor	Liberia		7° 34' 27" N 8° 39' 37" W	
Bentu Lueru (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Benue state	Nigeria			
Benza Masola	Congo (Democratic Republic of the)		5° 12' 00" S 13° 00' 00" E	
Benzale	Congo (Democratic Republic of the)		4° 08' 00" S 16° 40' 00" E	277 m
Benzies Bridge, Shangani River (see also: Benzie's Bridge)	Zimbabwe		18° 48' 00" S 27° 54' 00" E	
Benzie's Bridge (see Benzies Bridge), Shangani River	Zimbabwe		18° 48' 00" S 27° 54' 00" E	
Beoken Noja (see Noya river)	Equatorial Guinea			
Beraketa, ca 20 km (by road) NNE Amboasary	Madagascar		24° 52' 00" S 46° 27' 00" E	80 m
Bérato	Madagascar			
Beratro	Madagascar		25° 00' 00" S 45° 17' 00" E	213 m
Beravina, 21.8 km ESE (see Forêt de Mehajebi)	Madagascar	ca.	18° 15' 27" S 45° 25' 42" E	
Berbera, near	Somalia	ca.	10° 26' 23" N 45° 00' 52" E	
Béré region	Côte d'Ivoire			
Berea	South Africa		29° 51' 00" S 31° 00' 00" E	
Berea district	Lesotho			
Berekuso (see also: Birekuso)	Ghana		5° 45' 00" N 0° 13' 00" W	160 m
Berekuso, 1 mi [=1.6 km] N (see also: Birekuso, 1 mi [=1.6 km] N)	Ghana		5° 45' 00" N 0° 13' 00" W	160 m
Berenice (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Berenty-Betsileo, 28 km SE	Madagascar		22° 19' 00" S 45° 17' 36" E	550 m
Berevo, Upper Siribihina river	Madagascar		19° 43' 36" S 44° 57' 34" E	
Berg Plants Farm (see Farm Berg Plants)	South Africa		23° 02' 54" S 29° 26' 48" E	
Berg River (see Farm Kersefontein), 16 km N Hopefield	South Africa		32° 54' 13" S 18° 19' 51" E	
Bergdmara (see Okombahe)	Namibia		21° 40' 00" S 15° 10' 00" E	
Berg-en-Dal	South Africa		25° 44' 38" S 30° 05' 38" E	1810 m
Bergou (see Borgou)	Togo		10° 45' 49" N 0° 34' 37" E	147 m
Bergplaas (see also: Bergplaast)	South Africa		33° 53' 00" S 22° 40' 00" E	444 m
Bergplaast (see Bergplaas)	South Africa		33° 53' 00" S 22° 40' 00" E	444 m
Bergville, 45 km NW (see Royal Natal National Park)	South Africa		28° 44' 00" S 28° 55' 00" E	1602 m
Berifitra (see Berivotra (village))	Madagascar		15° 54' 03" S 46° 34' 42" E	252 m
Berivotra (village) (see also: Berifitra)	Madagascar		15° 54' 03" S 46° 34' 42" E	252 m
Berkán (see Berkane)	Morocco		34° 55' 16" N 2° 19' 46" W	179 m
Berkane (see also: Berkán, Berkawe)	Morocco		34° 55' 16" N 2° 19' 46" W	179 m

Berkane prefecture	Morocco			
Berkawe (see Berkane)	Morocco		34° 55' 16" N 2° 19' 46" W	179 m
Berkit (see Bekrit)	Morocco		33° 04' 48" N 5° 12' 36" W	1793 m
Berlin	South Africa			
Berlin, Farm 446JT (see also: Farm 446JT (Berlin), Farm Berlin 446JT)	South Africa		25° 30' 48" S 30° 46' 29" E	
Bermil	Ethiopia		12° 23' 00" N 35° 44' 00" E	562 m
Béroboka (see Beroboka Atsimo)	Madagascar		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Atsimo (see also: Béroboka, Beroboka Sud, Beroboka Ville)	Madagascar		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Sud (see Beroboka Atsimo)	Madagascar		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Sud, 5.8 km NE (see Antanandava)	Madagascar		19° 55' 47" S 44° 36' 21" E	30 m
Beroboka Ville (see Beroboka Atsimo)	Madagascar		19° 59' 00" S 44° 36' 00" E	43 m
Beronto forest (see Forêt de Beronto)	Madagascar		21° 46' 48" S 43° 58' 42" E	
Beroroha	Madagascar			
Berrahal (see also: Ain Mokra)	Algeria		36° 50' 07" N 7° 27' 12" E	26 m
Berseba	Namibia		25° 59' 00" S 17° 47' 00" E	926 m
Bertoua, 25 km NE (see also: Bertua, 25 km NE, Gamane, 25 km NE)	Cameroon		4° 44' 35" N 13° 50' 34" E	
Bertoua, 30 km W (see also: Bertua, 30 km W, Gamane, 30 km W)	Cameroon	ca.	4° 35' 00" N 13° 24' 47" E	
Bertoua, 30 km W	Cameroon		4° 35' 00" N 13° 25' 00" E	
Bertua, 25 km NE (see Bertoua, 25 km NE)	Cameroon		4° 44' 35" N 13° 50' 34" E	
Bertua, 30 km W (see Bertoua, 30 km W)	Cameroon	ca.	4° 35' 00" N 13° 24' 47" E	
Besabeba	Equatorial Guinea		2° 02' 52" N 10° 13' 04" E	252 m
Besalampy, 24.5 km N (see Andranomanitsy Forest)	Madagascar		16° 31' 28" S 44° 29' 23" E	35 m
Besogabang	Cameroon		5° 44' 00" N 9° 17' 00" E	550 m
Bester Game Farm (see T. Bester Game Farm)	South Africa		27° 50' 00" S 32° 15' 00" E	200 m
Bet El Ras, Zanzibar	Tanzania		6° 07' 00" S 39° 13' 00" E	
Betafo	Madagascar			
Betanty (see also: Faux Cap, Port de Faux Cap)	Madagascar		25° 34' 00" S 45° 31' 00" E	34 m
Betelipa (see Bilelipa)	Equatorial Guinea		3° 29' 00" N 8° 48' 00" E	215 m
Bethanien district	Namibia		26° 30' 00" S 17° 00' 00" E	
Bethlehem, Bellevue [1416]	South Africa		28° 14' 00" S 28° 18' 00" E	1706 m
Bethlehem Mission	Swaziland		26° 51' 00" S 30° 56' 00" E	
Bethulie, Eendrag, Subdivision 2 of Damfontein [518]	South Africa		30° 30' 00" S 25° 58' 00" E	1295 m
Betioky Sud	Madagascar		23° 43' 11" S 44° 23' 01" E	
Betroka	Madagascar		23° 15' 50" S 46° 05' 30" E	800 m
Betsiaka, 2.9 km N (see Andakaty, cave)	Madagascar		13° 07' 47" S 49° 14' 02" E	210 m
Betsileo	Madagascar		22° 10' 00" S 45° 04' 00" E	
BetsiPC:FI|)	Madagascar			
Bevaho, 24 km (by road) NNE Amboasary	Madagascar		24° 52' 00" S 46° 27' 00" E	
Bevato	Madagascar			
Bevato or Namoroka	Madagascar			
Bevato, 40 km NW (see Maroantsetra, 40 km NW)	Madagascar	ca.	15° 17' 00" S 49° 34' 00" E	400 m
Bevilany, 11 km SW near Anosy River (see also: Anosy river, 11 km SW near)	Madagascar		25° 01' 00" S 46° 30' 00" E	40 m
Beyi - Kalonji	Congo (Democratic Republic of the)		5° 49' 00" S 22° 30' 00" E	
Beyla prefecture	Guinea	ca.	8° 55' 00" N 8° 25' 00" W	
Bez	Cameroon			
Bezwe river, tributary of Wanetsi River	Zimbabwe		21° 30' 00" S 31° 10' 01" E	
Bgayet (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Bhubesi Camp, Hlane	Swaziland		26° 11' 00" S 31° 52' 00" E	
Bi'r Abu Ri?al (see also: Abu Ra??al, Bîr Abu Rahâl)	Egypt		25° 00' 00" N 33° 28' 00" E	
Bia, New Debiso	Ghana		6° 58' 00" N 1° 16' 00" W	
Biabli (see Quiapiple), Kran, west Upper Cess River	Liberia		6° 36' 12" N 8° 32' 25" W	189 m
Biadimbi	Congo (Democratic Republic of the)		4° 13' 00" N 29° 21' 00" E	
Biafra bay, coast	Cameroon	ca.	3° 20' 00" N 9° 50' 00" E	
Biakabomba	Congo (Democratic Republic of the)		6° 27' 00" S 21° 02' 00" E	608 m
Biala-Fouanga cave	Biala-Fouanga cave			
Biangolo	Congo (Democratic Republic of the)		0° 25' 00" N 29° 45' 00" E	1300 m
Biaó, lake (see Lago de Biaó)	Equatorial Guinea		3° 21' 26" N 8° 37' 32" E	
Biaramulo (see Biharamulo)	Tanzania		2° 37' 55" S 31° 18' 32" E	1495 m
Bibala (see also: Biballa, Vila Arriaga, Villa Arriaga)	Angola		14° 46' 00" S 13° 21' 00" E	906 m

Biballa (see Bibala)	Angola		14° 46' 00" S 13° 21' 00" E	906 m
(see also: Fazenda Cacanda)				
Biballe and Rio Coroca, Caconda	Angola		13° 42' 00" S 15° 05' 00" E	
Bibiana	Ghana		6° 27' 00" N 2° 18' 00" W	720 ft
(see also: Babiana, Babianeha, Bebiana, Bebianiha, Bibianaha, Bibiani)				
Bibianaha (see Bibiana), Inland from Denkwa, 60 mi [=90 km] W Kumasi	Ghana		6° 27' 00" N 2° 18' 00" W	720 ft
(see also: Kumasi, 60 mi [=90 km] W)				
Bibiani (see Bibiana)	Ghana		6° 27' 00" N 2° 18' 00" W	720 ft
Bibiani Mines	Ghana		6° 30' 00" N 2° 07' 00" W	
Bibundi	Cameroon		4° 13' 00" N 8° 59' 00" E	0 m
Bicaba River (see Arroyo Bicaba)	Equatorial Guinea	ca.	1° 47' 32" N 10° 14' 37" E	
Bichi, 1 mi W	Nigeria		12° 14' 03" N 8° 14' 28" E	535 m
Bicomo, near Bata	Equatorial Guinea		1° 47' 31" N 9° 52' 16" E	615 m
(see also: Micomo)				
Bicomo, near	Equatorial Guinea	ca.	1° 47' 31" N 9° 52' 16" E	
Bida, 8 mi [=13 km] E (see Tsanchaga)	Nigeria		9° 06' 00" N 6° 09' 00" E	
Bidzaja (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Bie province	Angola			
Big Bend	Swaziland		26° 49' 00" S 31° 56' 00" E	77 m
Biggil, near Fort-Foureau	Cameroon	ca.	12° 04' 37" N 15° 01' 50" E	
Biharamulo	Tanzania		2° 37' 55" S 31° 18' 32" E	1495 m
(see also: Biaramulo, Ussuwi, Usuwi)				
Biharamulo district	Tanzania		2° 30' 00" S 31° 20' 00" E	
Bijaya (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Bikita	Zimbabwe		20° 05' 00" S 31° 37' 00" E	986 m
Bikobo, lava cave (see Kiboko)	Kenya		2° 11' 00" S 37° 43' 00" E	
Bikoro	Congo (Democratic Republic of the)		0° 45' 00" S 18° 07' 00" E	344 m
Bila (see Bilo)	Ethiopia		8° 54' 00" N 37° 00' 00" E	1761 m
Bilalu	Rwanda		1° 30' 00" S 30° 18' 00" E	1600 m
(see also: Bilule)				
Bilelepá (see Bilelipa)	Equatorial Guinea		3° 29' 00" N 8° 48' 00" E	215 m
Bilelepe (see Bilelipa)	Equatorial Guinea		3° 29' 00" N 8° 48' 00" E	215 m
Bilelifri	Equatorial Guinea			
Bilelipa	Equatorial Guinea		3° 29' 00" N 8° 48' 00" E	215 m
(see also: Balelipa, Belelipa, Belépipa, Beletipa, Betelipa, Bilelepá, Bilelepe)				
Bilisa, lake, near Garsen	Kenya		2° 14' 01" S 40° 07' 58" E	
(see also: Lake Bilisa)				
Billa (see Bilo)	Ethiopia		8° 54' 00" N 37° 00' 00" E	1761 m
Billo (see Bilo)	Ethiopia		8° 54' 00" N 37° 00' 00" E	1761 m
Bilma (see Bilma Garin Dawa)	Niger		13° 53' 16" N 8° 43' 27" E	493 m
Bilma Garin Dawa	Niger		13° 53' 16" N 8° 43' 27" E	493 m
(see also: Bilma)				
Bilo	Ethiopia		8° 54' 00" N 37° 00' 00" E	1761 m
(see also: Bila, Billa, Billo, Bilo Boshe)				
Bilo Boshe (see Bilo)	Ethiopia		8° 54' 00" N 37° 00' 00" E	1761 m
Bilule (see Bilalu)	Rwanda		1° 30' 00" S 30° 18' 00" E	1600 m
Bimbéréké	Benin		10° 14' 00" N 2° 40' 00" E	449 m
(see also: Bembéréké)				
Bimbia, near Victoria, near Limbe	Cameroon		3° 57' 16" N 9° 14' 42" E	98 m
Bimbila	Ghana		8° 51' 00" N 0° 04' 00" E	172 m
(see also: Bimbilla)				
Bimbilla (see Bimbila)	Ghana		8° 51' 00" N 0° 04' 00" E	172 m
Bimbilla, 15 mi [=24 km] S	Ghana		8° 52' 00" N 0° 04' 00" E	
Bimpong Forest Reserve	Ghana		5° 43' 00" N 1° 28' 00" W	
Binaparba	Togo		9° 14' 00" N 0° 46' 00" E	456 m
Binara forest, 7.5 km SW Daraina	Madagascar		13° 15' 18" S 49° 36' 59" E	
(see also: Daraina, 7.5 km SW, Forêt de Binara)				
Bindá, hill 3 km E	São Tomé and Principé	ca.	0° 13' 00" N 6° 30' 00" E	
Bindura	Zimbabwe		17° 17' 47" S 31° 19' 47" E	1070 m
(see also: Bindura Town, Kimberley Reefs)				
Bindura Town (see Bindura)	Zimbabwe		17° 17' 47" S 31° 19' 47" E	1070 m
Bindura, 10 km SSW (see Chikupo cave)	Zimbabwe		17° 23' 00" S 31° 17' 00" E	
Binga	Congo (Democratic Republic of the)		2° 23' 00" N 20° 30' 00" E	397 m
Bingerville	Côte d'Ivoire		5° 21' 21" N 3° 53' 24" W	74 m
Binghazi (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Bini, Lac (see Bini, Lake)	Cameroon		7° 26' 00" N 13° 33' 00" E	
Bini, Lake	Cameroon		7° 26' 00" N 13° 33' 00" E	
(see also: Bini, Lac, Lac Bini, Lake Bini)				
Binshangul Gumuz (see Beneshangul Gumuz state)	Ethiopia			

Bioko island (see also: Fernando Po, Fernando Poo, Macas Nguema)	Equatorial Guinea		3° 30' 00" N 8° 42' 00" E	
Bioko Norte province	Equatorial Guinea			
Bioko Sur province	Equatorial Guinea			
Biombo region	Guinea-Bissau			
Bionga (see also: Biyonga)	Congo (Democratic Republic of the)		0° 34' 00" S 23° 00' 00" E	444 m
Bipindi	Cameroon		3° 05' 00" N 10° 25' 00" E	184 m
Bipindi, 10 km W	Cameroon		3° 05' 00" N 10° 25' 00" E	ca. 300 m
Bir Abraq	Egypt		23° 25' 00" N 34° 47' 45" E	
Bîr Abu Rahâl (see Bi'r Abu Ri?al)	Egypt		25° 00' 00" N 33° 28' 00" E	
Bir Abu Saafa (see Abu Sa'fah, Bi'r)	Egypt		23° 18' 24" N 34° 47' 51" E	
Bir Kohila (see Bir Kohllq), Qattar mountains	Egypt		27° 02' 47" N 33° 20' 37" E	
Bir Kohllq, Qattar mountains (see also: Bir Kohila)	Egypt		27° 02' 47" N 33° 20' 37" E	
Bir Nagat, Qattar mountains	Egypt	ca.	27° 06' 00" N 33° 22' 00" E	
Bir Qirdan (see also: Ben Gardan, Ben Gardane, Ben-Gardán)	Tunisia		33° 08' 00" N 11° 13' 00" E	8 m
Bir Regaga, Kef Aïssa, 12 km W Imouzzer du Kandar (see also: Imouzzer du Kandar, 12 km W)	Morocco	ca.	33° 45' 00" N 5° 05' 00" W	
Birak (see also: Brach, Brak)	Libya		27° 32' 00" N 14° 17' 00" E	343 m
Birao	Central African Republic		10° 17' 00" N 22° 47' 00" E	469 m
Birchenough Bridge (see also: Birchenough Bridge Hotel)	Zimbabwe		19° 58' 00" S 32° 20' 00" E	493 m
Birchenough Bridge Hotel (see Birchenough Bridge)	Zimbabwe		19° 58' 00" S 32° 20' 00" E	493 m
Birchenough Bridge Hotel, 7 mi [=11 km] W (see Birchenough Bridge, 11.2 km W)	Zimbabwe		19° 57' 00" S 32° 14' 00" E	
Birchenough Bridge, 11.2 km W (see also: Birchenough Bridge Hotel, 7 mi [=11 km] W)	Zimbabwe		19° 57' 00" S 32° 14' 00" E	
Birchenough Bridge, 8.2 km E	Zimbabwe	ca.	19° 57' 58" S 32° 24' 25" E	
Birchleig, Kempton Park (see also: Kempton Park)	South Africa		26° 04' 00" S 28° 14' 00" E	
Birekuso (see Berekuso)	Ghana		5° 45' 00" N 0° 13' 00" W	160 m
Birekuso, 1 mi [=1.6 km] N (see Berekuso, 1 mi [=1.6 km] N)	Ghana		5° 45' 00" N 0° 13' 00" W	160 m
Birkat Qarun (see also: Bahr Qârûn , Birkat Qaryn , Birket Qârûn, Karoun, lake, Lake Karoun, Lake Qarun, Qarun, lake)	Egypt		29° 28' 29" N 30° 39' 55" E	
Birkat Qaryn (see Birkat Qarun)	Egypt		29° 28' 29" N 30° 39' 55" E	
Birket Qârûn (see Birkat Qarun)	Egypt		29° 28' 29" N 30° 39' 55" E	
Birket Qaseibaîya (see Ba?r at Tubat)	Libya		29° 36' 28" N 24° 52' 46" E	
Birnin-Kudu, 75 mi [=120 km] SE Kano (see also: Birninkudu, Kano, 75 mi [=120 km] SE)	Nigeria		11° 27' 00" N 8° 30' 00" E	460 m
Birninkudu (see Birnin-Kudu), 75 mi [=120 km] SE Kano	Nigeria		11° 27' 00" N 8° 30' 00" E	460 m
Birthday Goldmine (see Tzaneen), Tzaneen	South Africa		23° 50' 00" S 30° 10' 00" E	742 m
Bishan Waka lake, E side shore (see also: Bureyi lake, E side shore)	Ethiopia		7° 18' 01" N 35° 16' 24" E	
Bishiko cave (see Grotte de Tanambao)	Madagascar		23° 32' 56" S 43° 46' 03" E	10 m
Bishopstowe cave, Pietermaritzburg	South Africa		29° 34' 36" S 30° 27' 20" E	823 m
Bisihiko cave (see Grotte de Tanambao), 0.75 km E St. Augustin	Madagascar		23° 32' 56" S 43° 46' 03" E	10 m
Biskra	Algeria		34° 51' 00" N 5° 44' 00" E	213 m
Biskra province	Algeria			
Biskra, 17 km SE (see Sidi Okba)	Algeria		34° 45' 00" N 5° 54' 00" E	
Biskra, 51 km S (see Bordj de Chegga)	Algeria		34° 25' 00" N 5° 56' 00" E	3 m
Biskra, near	Algeria			
Bisley, near Pietermaritzburg	South Africa		29° 42' 00" S 30° 19' 00" E	695 m
Bismarckbourg (see Adéle)	Togo		8° 11' 00" N 0° 41' 00" E	
Bismarckburg (see Adéle)	Togo		8° 11' 00" N 0° 41' 00" E	
Bismarckburg (see Kasanga)	Tanzania		8° 28' 00" S 31° 09' 00" E	769 m
Biso (see also: Bisu)	Uganda		1° 45' 23" N 31° 25' 15" E	982 m
Bisoro Balve (see Bissoro)	Cameroon		4° 45' 20" N 9° 10' 25" E	435 m
Bissalanca	Guinea-Bissau		11° 53' 00" N 15° 41' 00" W	21 m
Bissan island (see Bissau island)	Guinea-Bissau		11° 52' 00" N 15° 39' 00" W	
Bissao (see Bissau)	Guinea-Bissau		11° 51' 00" N 15° 35' 00" W	0 m
Bissau (see also: Bissao, São José de Bissáu)	Guinea-Bissau		11° 51' 00" N 15° 35' 00" W	0 m
Bissau island (see also: Bissan island)	Guinea-Bissau		11° 52' 00" N 15° 39' 00" W	

Bissau region	Guinea-Bissau			
Bissorã (see also: Bissoram)	Guinea-Bissau		12° 13' 23" N 15° 26' 51" W	39 m
Bissoram (see Bissorã)	Guinea-Bissau		12° 13' 23" N 15° 26' 51" W	39 m
Bissoro (see also: Bisoro Balve)	Cameroon		4° 45' 20" N 9° 10' 25" E	435 m
Bisu (see Biso)	Uganda		1° 45' 23" N 31° 25' 15" E	982 m
Bitale	Congo (Democratic Republic of the)		2° 13' 00" S 28° 38' 00" E	
Bitshumbi (see Vitshumbi)	Congo (Democratic Republic of the)		0° 40' 56" S 29° 23' 12" E	907 m
Bitterfontein, 10 km NNE (see Farm Kersbos)	South Africa		30° 57' 00" S 18° 12' 00" E	
Bity Massif (see Ibity Massif)	Madagascar		20° 07' 00" S 47° 01' 00" E	
Bitye, on Ja/Dja River	Cameroon		3° 01' 00" N 12° 22' 00" E	616 m
Biyonga (see Bionga)	Congo (Democratic Republic of the)		0° 34' 00" S 23° 00' 00" E	444 m
Bizana, near Harding	South Africa		30° 52' 00" S 29° 51' 00" E	800 m
Bizerte governorate	Tunisia			
Blaauwbank, Farm 168JS (see Farm Blaauwbank 168JS), Groblersdal, E	South Africa		25° 19' 00" S 29° 47' 00" E	
Black & White Umfolozi River confluence, 13.5 km N, 21 km W	South Africa		28° 14' 00" S 31° 46' 00" E	200 m
Black & White Umfolozi River confluence, 17 km N, 22 km W	South Africa		28° 12' 00" S 31° 45' 00" E	250 m
Black Eagle Lodge	South Africa		23° 00' 39" S 29° 45' 49" E	1350 m
Black river district	Mauritius			
Blaney	South Africa		32° 52' 00" S 27° 32' 00" E	500 m
Blaney Nature Reserve, King William's Town	South Africa		32° 52' 00" S 27° 27' 00" E	
Blantyre (see also: Kapeni)	Malawi		15° 47' 00" S 35° 00' 00" E	1065 m
Blantyre and Zomba, between	Malawi	ca.	15° 31' 00" S 35° 12' 00" E	
Blantyre district	Malawi			
Blat Latome (see Latome), 60 mi [=96 km] ESE Torit	South Sudan		4° 07' 00" N 33° 37' 00" E	1257 m
Bled Douarah, 43 km W Gafsa	Tunisia	ca.	34° 18' 00" N 8° 21' 00" E	
Blékoum	Côte d'Ivoire		6° 22' 30" N 3° 32' 32" W	94 m
Bleskop, Rustenberg	South Africa		25° 41' 00" S 27° 23' 00" E	
Blida and Laghouat, between	Algeria	ca.	34° 20' 00" N 3° 00' 00" E	
Blida province (see also: Wilaya de Blida)	Algeria	ca.	36° 35' 00" N 3° 00' 00" E	
Blijdschap Private Nature Reserve (see Blydschap), Pietersburg district, 5 km N Bandolierskop	South Africa		23° 16' 00" S 29° 46' 00" E	
Blinkklip cave, near Postmasburg	South Africa		28° 18' 00" S 23° 07' 02" E	
Blodi (see also: Blody)	Côte d'Ivoire		6° 47' 02" N 7° 17' 37" W	282 m
Blody (see Blodi)	Côte d'Ivoire		6° 47' 02" N 7° 17' 37" W	282 m
Bloemfontein	South Africa		29° 08' 00" S 26° 12' 00" E	1423 m
Bloemfontein, 15 mi [=24 km] N (see Glen)	South Africa		28° 56' 00" S 26° 20' 00" E	
Blouberg Private Nature Reserve (see Farm Urk 10), 13 km W Vivo, Blouberg Krans	South Africa		23° 02' 00" S 29° 08' 00" E	854 m
Blou-Bok Draai, Etosha, 4 km S, 2 km E Namutoni (see also: Namutoni, 4 km S, 2 km E)	Namibia		18° 56' 00" S 18° 49' 00" E	1100 m
Blue Lagoon National Park, Naleza	Zambia		15° 30' 00" S 27° 25' 00" E	
Blue Lagoon National Park No. 18, Naleza	Zambia		15° 30' 00" S 27° 25' 00" E	
Blue Lagoon ranch, Naleza	Zambia		15° 30' 00" S 27° 25' 00" E	
Blue Nile / Central state (see Blue Nile state)	Sudan			
Blue Nile state (see also: Al Wustá state |PC:BN|, An Nil al Azraq state |PC:BN|, Blue Nile / Central state)	Sudan			
Bluff	South Africa		29° 55' 54" S 31° 00' 48" E	
Bluff Nature Reserve	South Africa		29° 55' 59" S 30° 59' 36" E	20 m
Blukwa, West bank Lake Albert	Congo (Democratic Republic of the)		1° 45' 00" N 30° 36' 00" E	2001 m
Blukwa, 10 km E (see Wago, mount)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 40' 00" E	2240 m
Blurweberg cave, Pretoria	South Africa		25° 48' 00" S 27° 58' 59" E	
Blyde Canyon Nature Reserve (see Blyderivierspoort Natuurreservaat)	South Africa		24° 35' 00" S 30° 49' 00" E	
Blyderivier Nature Reserve (see Blyderivierspoort Natuurreservaat)	South Africa		24° 35' 00" S 30° 49' 00" E	
Blyderivier Nature Reserve (see Blyderivierspoort Natuurreservaat)	South Africa		24° 35' 00" S 30° 49' 00" E	
Blyderivierspoort Nature Reserve (see Blyderivierspoort Natuurreservaat)	South Africa		24° 35' 00" S 30° 49' 00" E	

Blyderivierspoort Natuurreservaat (see also: Blyde Canyon Nature Reserve, Blyderivier Nature Reserve, Blyderivier Nature Reserve, Blyderivierspoort Nature Reserve)	South Africa		24° 35' 00" S 30° 49' 00" E	
Blydschap, Pietersburg district, 5 km N Bandolierskop (see also: Bandolierskop, 5 km N, Blijdschap Private Nature Reserve)	South Africa		23° 16' 00" S 29° 46' 00" E	
Blythedale Beach, Minivillas, KwaDukuza	South Africa		29° 22' 23" S 31° 20' 57" E	75 m
Blythswood Institute (see Blythswood Training Institute)	South Africa		32° 12' 00" S 27° 58' 00" E	850 m
Blythswood Training Institute (see also: Blythswood Institute, Blythswood Training Institution)	South Africa		32° 12' 00" S 27° 58' 00" E	850 m
Blythswood Training Institution (see Blythswood Training Institute)	South Africa		32° 12' 00" S 27° 58' 00" E	850 m
Bo	Sierra Leone			
Bo School	Sierra Leone			
Boa Esperança (see Ponta Boa Esperança)	Guinea-Bissau		11° 53' 00" N 15° 46' 00" W	22 m
Boa Vista island	Cape Verde			
Boanamary, 3 km NE	Madagascar	ca.	15° 50' 00" S 46° 19' 00" E	0 m
Boane, 1 mi [=1.6 km] NE	Mozambique		25° 58' 01" S 32° 19' 59" E	
Boane, 10 km N	Mozambique		25° 55' 59" S 32° 19' 01" E	
Boangi	Congo (Democratic Republic of the)		1° 51' 00" S 20° 56' 00" E	419 m
Boara River (see Río Boara)	Equatorial Guinea		1° 47' 34" N 9° 45' 39" E	
Bobandana	Congo (Democratic Republic of the)		1° 41' 56" S 29° 00' 47" E	
Bóbó Cativo	São Tomé and Principé		0° 19' 06" N 6° 41' 44" E	
Bobo Diulasas (see Bobo-Dioulasso)	Burkina Faso		11° 10' 38" N 4° 17' 52" W	508 m
Bobo-Dioulasso (see also: Bobo Diulasas, Bobo-Diulasso, Bobodjulaso)	Burkina Faso		11° 10' 38" N 4° 17' 52" W	508 m
Bobo-Diulasso (see Bobo-Dioulasso)	Burkina Faso		11° 10' 38" N 4° 17' 52" W	508 m
Bobodjulaso (see Bobo-Dioulasso)	Burkina Faso		11° 10' 38" N 4° 17' 52" W	508 m
Bobomene Research Camp (see also: Bobomeni Research Camp)	South Africa		22° 25' 18" S 31° 12' 49" E	
Bobomeni Research Camp (see Bobomene Research Camp)	South Africa		22° 25' 18" S 31° 12' 49" E	
Boboni, cave near	Comoro Islands		11° 45' 09" S 43° 19' 49" E	916 m
Bodhai (see Bodhei)	Kenya		1° 52' 07" S 40° 43' 39" E	11 m
Bodhei (see also: Bodhai, Boni Forest)	Kenya		1° 52' 07" S 40° 43' 39" E	11 m
Bodjécali (see Bodjékali)	Benin		11° 48' 34" N 3° 22' 59" E	252 m
Bodjékali (see also: Badjékali, Bodjécali)	Benin		11° 48' 34" N 3° 22' 59" E	252 m
Bodjoki - Bumba (see also: Badjoki - Bumba)	Congo (Democratic Republic of the)		2° 59' 00" N 22° 18' 00" E	441 m
Bodomase (see Bodomasi)	Ghana		6° 53' 37" N 1° 15' 19" W	369 m
Bodomasi (see also: Abodomasi, Bodomase, Ksi, 58 km from)	Ghana		6° 53' 37" N 1° 15' 19" W	369 m
Boé (see Madina do Boé)	Guinea-Bissau		11° 45' 00" N 14° 13' 00" W	76 m
Boegoeberg Dam, 0.5 mi E	South Africa		29° 03' 00" S 22° 12' 00" E	
Boekenhoufontein [farmstead] (see Boekenhoutfontein [farmstead]), 15 km N Rustenburg	South Africa		25° 13' 00" S 27° 06' 00" E	
Boekenhoutfontein [farmstead], 15 km N Rustenburg (see also: Boekenhoufontein [farmstead], Rustenburg, 15 km N)	South Africa		25° 13' 00" S 27° 06' 00" E	
Boekenhoutskloof, Farm (see Farm Boekenhoutskloof), Cullinan	South Africa		25° 31' 00" S 28° 25' 00" E	
Boende	Congo (Democratic Republic of the)		0° 13' 00" S 20° 52' 00" E	371 m
Boende, 14 km N by road (see Quatorze)	Congo (Democratic Republic of the)		0° 10' 04" N 20° 55' 34" E	326 m
Boeni (see Boeny)	Madagascar		15° 54' 00" S 45° 56' 00" E	44 m
Boeny (see also: Boeni, Boina)	Madagascar		15° 54' 00" S 45° 56' 00" E	44 m
Boerboomskraal (see also: Buffelsvlei, Marone, Morone)	South Africa		24° 49' 00" S 30° 21' 00" E	876 m
Boesman Grotte (see Farm Guano Caves 163)	South Africa		33° 49' 58" S 20° 10' 28" E	420 m
Bofandriana (see Befandriana)	Madagascar			
Boffa prefecture	Guinea			
Bofondo (see Bolondo)	Equatorial Guinea		1° 37' 00" N 9° 37' 00" E	343 m
Boga (see also: Mboga)	Congo (Democratic Republic of the)		1° 03' 00" N 29° 56' 00" E	1562 m
Boghar	Algeria		35° 54' 41" N 2° 43' 00" E	847 m

Boghé, 8 km N (see Bogué, 8 km N)	Mauritania		16° 39' 00" N 14° 16' 59" W	
Bogoria, 3 mi [=4.8 km] W Lake	Kenya		0° 16' 01" N 36° 04' 01" E	1067 m
Bogoria, 30 mi [=48 km] SW (see Molo)	Kenya		0° 15' 00" S 35° 44' 00" E	
Bogoria, lake (see also: Hannington, lake, Harrington, lake, Lake Bogoria, Lake Hannington, Lake Harrington)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Bogos	Eritrea		15° 46' 00" N 38° 30' 00" E	
Bogos country	Eritrea		15° 46' 00" N 38° 30' 00" E	
Bogoso	Ghana		5° 34' 00" N 2° 01' 00" W	84 m
Bogoso Mines	Ghana		5° 34' 00" N 2° 01' 00" W	
Bogué Dow, 8 km N (see Bogué, 8 km N)	Mauritania		16° 39' 00" N 14° 16' 59" W	
Bogué, 8 km N (see also: Boghé, 8 km N, Bogué Dow, 8 km N)	Mauritania		16° 39' 00" N 14° 16' 59" W	
Bohou River	Central African Republic	ca.	6° 32' 47" N 23° 24' 46" E	
Boina (see Boeny)	Madagascar		15° 54' 00" S 45° 56' 00" E	44 m
Boi-Tano Forest Reserve	Ghana		5° 32' 00" N 2° 37' 00" W	
Bojanala district	South Africa			
Bokala	Congo (Democratic Republic of the)		3° 07' 00" S 17° 02' 00" E	307 m
Bokalakala	Congo (Democratic Republic of the)		2° 08' 00" S 16° 22' 00" E	252 m
Boké prefecture	Guinea			
Boko district	Congo			
Bokonkorio	Ethiopia		8° 02' 00" N 46° 19' 00" E	
Bokoro, Lukenie	Congo (Democratic Republic of the)		2° 50' 00" S 18° 23' 00" E	252 m
Boksburg, Midtown	South Africa		26° 13' 00" S 28° 15' 00" E	1599 m
Bokuma, near Mbandaka	Congo (Democratic Republic of the)		0° 06' 00" S 18° 42' 00" E	340 m
Bokungu	Congo (Democratic Republic of the)		0° 41' 00" S 22° 19' 00" E	402 m
Bokveld, Farm (see Farm Bokveld), 20 km E Messina, on Limpopo River	South Africa		22° 19' 00" S 30° 11' 00" E	
Bokwango, near Buéa	Cameroon		4° 08' 19" N 9° 13' 28" E	877 m
Bokwango, near	Cameroon	ca.	4° 08' 19" N 9° 13' 28" E	
Bolafa	Congo (Democratic Republic of the)		2° 08' 00" N 21° 37' 00" E	
Bolama (see also: Boloma, Bulama, Port Beaver)	Guinea-Bissau		11° 35' 00" N 15° 28' 00" W	0 m
Bolama Island	Guinea-Bissau		11° 34' 00" N 15° 33' 00" W	
Bolama region (see also: Bolama-Bijagos region |PC:BL|)	Guinea-Bissau			
BolamPC:BL|)	Guinea-Bissau			
Boland district (see Cape Winelands district)	South Africa			
Bolé cave	Central African Republic	ca.	3° 49' 55" N 17° 50' 45" E	
Bolo (see Booro)	Côte d'Ivoire		8° 29' 00" N 7° 34' 00" W	456 m
Bolobo	Congo (Democratic Republic of the)		2° 09' 00" S 16° 14' 00" E	
Bolobo territory	Congo (Democratic Republic of the)			
Bologonja (see Bologonya), Serengeti	Tanzania		1° 34' 00" S 34° 58' 00" E	
Bologonya, Serengeti (see also: Bologonja)	Tanzania		1° 34' 00" S 34° 58' 00" E	
Boloma (see Bolama)	Guinea-Bissau		11° 35' 00" N 15° 28' 00" W	0 m
Bolondo (see also: Bofondo)	Equatorial Guinea		1° 37' 00" N 9° 37' 00" E	343 m
Bolsi, 6 km NW	Niger		13° 20' 25" N 1° 11' 44" E	
Bolts, Farm (see Farm Bolts), Krugersdorp	South Africa		26° 02' 05" S 27° 42' 48" E	
Boma, near mouth of Kongo river	Congo (Democratic Republic of the)		5° 51' 00" S 13° 03' 00" E	61 m
Boma mountains, west foothills (see Boma Mountains, Western foothills)	South Sudan		6° 10' 00" N 34° 25' 00" E	
Boma Mountains, Western foothills (see also: Boma mountains, west foothills)	South Sudan		6° 10' 00" N 34° 25' 00" E	
Boma, zone	Congo (Democratic Republic of the)	ca.	5° 51' 00" S 13° 03' 00" E	
Bomane (see Bomaneh)	Congo (Democratic Republic of the)		1° 18' 00" N 23° 47' 00" E	429 m
Bomaneh (see also: Bomane)	Congo (Democratic Republic of the)		1° 18' 00" N 23° 47' 00" E	429 m
Bombali district	Sierra Leone			
Bombanga - Bumba	Congo (Democratic Republic of the)		2° 48' 00" N 22° 16' 00" E	

Bombia Bonelu	Congo (Democratic Republic of the)		2° 34' 30" N 21° 47' 07" E	
Bombo Lumene	Congo (Democratic Republic of the)		3° 58' 00" S 15° 59' 00" E	
Bombo, 5.5 km S (see Kanza village, near)	Tanzania		4° 19' 12" S 38° 00' 00" E	1100 m
Bombo, 7 km S	Tanzania		4° 19' 48" S 38° 00' 00" E	1100 m
Bombo, 8 km S (see Lugulu village, near)	Tanzania		4° 19' 48" S 38° 00' 00" E	1100 m
Bombon island (see also: Islot de Bombon)	São Tomé and Principé		1° 41' 53" N 7° 24' 09" E	
Bome, near Bata	Equatorial Guinea		1° 47' 15" N 9° 44' 05" E	
Bome, 10 km from	Equatorial Guinea	ca.	1° 47' 00" N 9° 44' 00" E	
Bomet county	Kenya			
Bomi county	Liberia			
Bomi Hills logging concession (see Bomi Wood Concession)	Liberia	ca.	6° 53' 00" N 10° 50' 00" W	
Bomi Wood Concession (see also: Bomi Hills logging concession, Boni Hills logging concession)	Liberia	ca.	6° 53' 00" N 10° 50' 00" W	
Bomili	Congo (Democratic Republic of the)		1° 40' 00" N 27° 01' 00" E	444 m
Bona (see Annaba)	Algeria		36° 54' 00" N 7° 46' 00" E	0 m
Bonamanzi Game Reserve, 5 km S Hluhluwe Village (see also: Hluhluwe Village, 5 km S)	South Africa		28° 06' 00" S 32° 18' 00" E	63 m
Bonda	Gabon		0° 49' 00" S 12° 42' 00" E	206 m
Bonda Mission	Zimbabwe		18° 26' 49" S 32° 35' 39" E	
Bondo, 15 km W Lukula (see also: Lukula, 15 km W)	Congo (Democratic Republic of the)		5° 24' 00" S 12° 54' 00" E	
Bondo, Central Nyanza	Kenya		0° 06' 00" S 34° 16' 00" E	1276 m
Bondo Mabe, near Arebi ?	Congo (Democratic Republic of the)		2° 36' 00" N 29° 34' 00" E	
Bondo, 4 mi [=6.4 km] W	Kenya		0° 04' 49" S 34° 13' 10" E	
Bône (see Annaba)	Algeria		36° 54' 00" N 7° 46' 00" E	0 m
Bône, near	Algeria	ca.	36° 54' 00" N 7° 46' 00" E	
Bong county	Liberia			
Bonga, 15 km E	Ethiopia	ca.	7° 17' 00" N 36° 14' 00" E	ca. 1660 m
Bongale	Congo (Democratic Republic of the)		6° 00' 00" S 18° 41' 00" E	
Bongandjola	Congo (Democratic Republic of the)		1° 45' 17" N 25° 31' 04" E	508 m
Bonge	Cameroon			
Bongeya river	Congo (Democratic Republic of the)			1350 m
Bongo	South Sudan		7° 14' 00" N 28° 42' 00" E	414 m
Bongolo	Congo		3° 35' 00" S 12° 15' 00" E	252 m
Bongolo Mission	Congo (Democratic Republic of the)		6° 36' 00" S 16° 46' 00" E	383 m
Boni Forest (see Bodhei)	Kenya		1° 52' 07" S 40° 43' 39" E	11 m
Boni Hills logging concession (see Bomi Wood Concession)	Liberia	ca.	6° 53' 00" N 10° 50' 00" W	
Boni National Reserve	Kenya		1° 32' 22" S 41° 19' 53" E	
Bonobono, 20 km N Akaloyong (see also: Akaloyong, 20 km N)	Equatorial Guinea		1° 14' 43" N 9° 37' 10" E	508 m
Bontebok National Park (see Lang-Elsieskraal Bontebok Park)	South Africa		34° 05' 00" S 20° 27' 00" E	70 m
Bonth (see Bonthe), Sherbro island	Sierra Leone		7° 31' 55" N 12° 30' 18" W	9 m
Bonthe, Sherbro island (see also: Bonth)	Sierra Leone		7° 31' 55" N 12° 30' 18" W	9 m
Bontioli	Burkina Faso		10° 53' 00" N 3° 04' 00" W	264 m
Bonzale	Congo (Democratic Republic of the)		2° 57' 31" N 19° 22' 06" E	
Booro (see also: Bolo)	Côte d'Ivoire		8° 29' 00" N 7° 34' 00" W	
Boosaaso (see also: Bandar Kassim, Bender Cassim, Bender Qaasin, Bénder Qasin, Boosaso, Bosaso, Bossaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Boosaso (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bootry (see Butre)	Ghana		4° 49' 00" N 1° 55' 00" W	0 m
Booué (see also: Booue, Boque, Boué)	Gabon		0° 06' 00" S 11° 56' 00" E	175 m
Booue (see Booué)	Gabon		0° 06' 00" S 11° 56' 00" E	175 m
Booué River	Gabon		0° 06' 00" S 11° 56' 00" E	
Bophirima district (see Dr Ruth Segomotsi Mompati district)	South Africa			
Bopolu (see also: Bopora, Boporo, Bopulu)	Liberia		7° 04' 00" N 10° 29' 15" W	211 m
Bopora (see Bopolu)	Liberia		7° 04' 00" N 10° 29' 15" W	211 m
Boporo (see Bopolu)	Liberia		7° 04' 00" N 10° 29' 15" W	211 m

Bopulu (see Bopolu)	Liberia		7° 04' 00" N 10° 29' 15" W	211 m
Boque (see Booué)	Gabon		0° 06' 00" S 11° 56' 00" E	175 m
Bor	South Sudan		6° 12' 26" N 31° 33' 33" E	406 m
Bor, 40 mi [=64 km] N	South Sudan		6° 18' 00" N 31° 34' 00" E	
Bor, 60 mi [=96.5 km] N (see Kongor)	South Sudan		7° 10' 00" N 31° 20' 00" E	
Bora River Bridge	Ethiopia			1670 m
Borabuopé River (see Río Borabuopé)	Equatorial Guinea	ca.	3° 45' 00" N 8° 52' 00" E	
Borawli (see also: Lava-Dom)	Ethiopia		13° 18' 00" N 40° 58' 48" E	812 m
Bordeaux, Farm (see Farm Bordeaux), 5 mi E Waterpoort	South Africa		22° 41' 00" S 29° 38' 00" E	
Bordj Bou Arréridj province	Algeria			
Bordj Chambi (see also: Bordj de Chambi, Burj ash Sha'nabi, Burj ash Sha'nabi,, Chambi, Le Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Bordj Chegga (see Bordj de Chegga), 51 km S from Biskra	Algeria		34° 25' 00" N 5° 56' 00" E	3 m
Bordj de Chambi (see Bordj Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Bordj de Chegga, 51 km S from Biskra (see also: Biskra, 51 km S, Bordj Chegga, Borj Chegga, Chaegga, Chegga)	Algeria		34° 25' 00" N 5° 56' 00" E	3 m
Borg, mount (see Mokula)	Equatorial Guinea		1° 53' 00" N 10° 17' 00" E	
Borgou (see also: Bergou, Borgu)	Togo		10° 45' 49" N 0° 34' 37" E	147 m
Borgou department	Benin			
Borgu (see Borgou)	Togo		10° 45' 49" N 0° 34' 37" E	147 m
Borgu Game Reserve	Nigeria		10° 15' 00" N 4° 10' 00" E	
Borj Chegga (see Bordj de Chegga), 51 km S from Biskra	Algeria		34° 25' 00" N 5° 56' 00" E	3 m
Borkou region	Chad			
Borlor river (see Farmington river)	Liberia		6° 09' 32" N 10° 21' 13" W	
Bornili (see Amwini River)	Bornili			
Borno state	Nigeria			
Boro river	South Sudan		8° 30' 00" N 24° 30' 00" E	
Boro river, 25 km N	South Sudan	ca.	8° 30' 00" N 24° 30' 00" E	
Borobini (see Golbanti)	Kenya		2° 27' 24" S 40° 12' 09" E	11 m
Borom (see Boromo)	Burkina Faso		11° 45' 00" N 2° 56' 00" W	242 m
Boromo (see also: Borom)	Burkina Faso		11° 45' 00" N 2° 56' 00" W	242 m
Boror, 12 mi NW Quellimane (see also: Quellimane, 12 mi [=19 km] NW)	Mozambique	ca.	17° 52' 00" S 36° 53' 00" E	
Borrowdale Brooke	Zimbabwe		17° 42' 49" S 31° 08' 42" E	
Borto-Novo (see Porto-Novo)	Benin		6° 29' 00" N 2° 37' 00" E	38 m
Bosao river (see Río Bosao)	Equatorial Guinea	ca.	3° 31' 51" N 8° 35' 58" E	
Bosaso (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Boshao river (see Río Bosao)	Equatorial Guinea	ca.	3° 31' 51" N 8° 35' 58" E	
Boshaoiefang River (see Río Bosao)	Equatorial Guinea	ca.	3° 31' 51" N 8° 35' 58" E	
Boshof (see also: Hertzogville)	South Africa		28° 33' 00" S 25° 14' 00" E	1254 m
Bosianoremane	Madagascar			
Boskop Dam Nature Reserve, Potchefstroom	South Africa		26° 33' 00" S 27° 07' 00" E	
Bosobolo	Congo (Democratic Republic of the)		4° 11' 00" N 19° 54' 00" E	508 m
Boso-Dula (see also: Bosodula)	Congo (Democratic Republic of the)		4° 17' 00" N 20° 29' 00" E	599 m
Bosodula (see Boso-Dula)	Congo (Democratic Republic of the)		4° 17' 00" N 20° 29' 00" E	599 m
Bosomtwe, lake (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Bossafinda	Congo (Democratic Republic of the)	ca.	5° 15' 00" S 14° 52' 00" E	
Bossaso (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bossematié, ca. 6 km E (see Appoube, near Appouesso)	Côte d'Ivoire		6° 33' 00" N 3° 26' 00" W	
Boston	South Africa	ca.	29° 40' 00" S 29° 57' 00" E	
Bosum (see Bozoum)	Central African Republic		6° 19' 00" N 16° 23' 00" E	721 m
Bosum, lake (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Bosumtivi, lake (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Bosumtwe, lake (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Bosumtwi, lake (see also: Bosomtwe, lake, Bosum, lake, Bosumtivi, lake, Bosumtwe, lake, Busumtwi, lake, Lake Bosomtwe, Lake Bosumtivi, Lake Bosumtivi Konlanasi, Lake Bosumtwe, Lake Bosumtwi, Lake Bosumtwi Konlanasi, Lake Busumtwi)	Ghana		6° 30' 00" N 1° 25' 00" W	
Bota	Cameroon		4° 01' 43" N 9° 11' 15" E	109 m
Bota, 48 km W (see Idenao)	Cameroon		4° 15' 00" N 8° 55' 00" E	
Boteka	Congo (Democratic Republic of the)		0° 19' 00" S 19° 07' 00" E	337 m

Boteka (see also: Boteke, Flandria, Frandria)	Congo (Democratic Republic of the)		0° 20' 00" S 19° 06' 00" E	333 m
Boteke (see Boteka)	Congo (Democratic Republic of the)		0° 19' 00" S 19° 07' 00" E	337 m
Boteke Village, 3 km S Buéa Station (see also: Buéa Station, 3 km S)	Cameroon		4° 06' 00" N 9° 12' 00" E	
Botha's Hill, Rob Roy Hotel	South Africa		29° 45' 00" S 30° 44' 00" E	
Bothaville	South Africa		27° 22' 00" S 26° 37' 00" E	1275 m
Boti Falls, 20 mi N Korforidua (see also: Korforidua, 20 mi [=32 km] N)	Ghana		6° 22' 00" N 0° 19' 00" W	
Botrivier	South Africa		34° 13' 00" S 19° 12' 00" E	75 m
Botshabelo	South Africa			
Botsoela (mission) (see Kwepe)	Lesotho		29° 51' 00" S 27° 34' 00" E	1847 m
Botswana	Botswana			
Bottego Highlands	Ethiopia	ca.	7° 09' 00" N 37° 42' 00" E	1618 m
Bou Akden mine, 52 km SE Agadir (see also: Agadir, 52 km SE)	Morocco			
Bou Hedma National Park Headquarters	Tunisia	ca.	34° 29' 10" N 9° 32' 24" E	
Bou Izakaren (see Bou Izakarn)	Morocco		29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarene (see Bou Izakarn)	Morocco		29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarn (see also: Bou Izakaren, Bou Izakarene, Bou Izakarne, Bu Isacarn)	Morocco		29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarne (see Bou Izakarn)	Morocco		29° 09' 36" N 9° 43' 48" W	617 m
Bouaké (see also: Bwake)	Côte d'Ivoire		7° 41' 00" N 5° 01' 59" W	312 m
Bouaké department	Côte d'Ivoire			
Bouaké, 25 km N	Côte d'Ivoire		7° 55' 00" N 5° 00' 00" W	
Bouar (see also: Buar)	Central African Republic		5° 57' 00" N 15° 36' 00" E	1046 m
Bouba Ndjida National Park (see also: Réserve de Chasse et Forestière de Boubanjidda, Réserve du Bouba Ndjidda)	Cameroon		8° 37' 42" N 14° 40' 05" E	
Boucle du Mouhoun region	Burkina Faso			
Boudewijnstad (see Moba)	Congo (Democratic Republic of the)		7° 03' 00" S 29° 47' 00" E	763 m
Boudman, near Chefchaouen	Morocco	ca.	35° 10' 00" N 5° 16' 00" W	
Boudougou (see Divo)	Côte d'Ivoire		5° 50' 15" N 5° 21' 26" W	148 m
Boué (see Booué)	Gabon		0° 06' 00" S 11° 56' 00" E	175 m
Bouélaouvanga, rock, tunnel along RN23, between Moya and Pomoni	Comoro Islands		12° 17' 23" S 44° 25' 39" E	5 m
Bouenza departement	Congo			
Bougie (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Bougouma (see Boukma)	Cameroon		8° 32' 00" N 13° 55' 00" E	254 m
Bougouriba province	Burkina Faso			
Bouira province	Algeria			
Boujdour prefecture	Morocco			
Boukma (see also: Bougouma, Boukouma, Buguma)	Cameroon		8° 32' 00" N 13° 55' 00" E	254 m
Boukoko (see also: Bukoko)	Central African Republic		3° 54' 00" N 17° 56' 00" E	559 m
Boukoko or La Maboké	Central African Republic	ca.	3° 54' 00" N 17° 56' 00" E	
Boukouma (see Boukma)	Cameroon		8° 32' 00" N 13° 55' 00" E	254 m
Boulankio	Congo		3° 49' 10" S 15° 15' 18" E	605 m
Boulemane prefecture	Morocco			
Boulgou province	Burkina Faso			
Boulkiemdé province	Burkina Faso			
Boulzanga (see Bourzanga)	Burkina Faso		13° 40' 41" N 1° 32' 46" W	304 m
Boumerdès province	Algeria			
Bouna (see also: Buna)	Côte d'Ivoire		9° 16' 00" N 3° 00' 00" W	321 m
Bouna department	Côte d'Ivoire			
Boundiali (see also: Boundiouli)	Côte d'Ivoire		9° 31' 18" N 6° 29' 13" W	444 m
Boundiali department	Côte d'Ivoire			
Boundiali, 2 km S	Côte d'Ivoire	ca.	9° 31' 18" N 6° 29' 13" W	
Boundiouli (see Boundiali)	Côte d'Ivoire		9° 31' 18" N 6° 29' 13" W	444 m
Bounkani region	Côte d'Ivoire			
Bourbon, île (see Réunion)	Bourbon, île	ca.	21° 06' 00" S 55° 36' 00" E	
Bourem	Mali			
Bourèm	Mali		16° 21' 50" N 3° 20' 18" W	
Bourem (see Bourèm Géjiram)	Niger		13° 25' 00" N 11° 29' 30" E	
Bourèm Géjiram (see also: Bourem)	Niger		13° 25' 00" N 11° 29' 30" E	

Bourke's Luck (see also: Elandsfontein, Farm 435KT, Farm 435KT (Elandsfontein), Farm Elandsfontein 435KT)	South Africa		24° 39' 00" S 30° 49' 00" E	
Bourkes Luck Potholes (see Farm Bourkes Luck 454)	South Africa		24° 39' 00" S 30° 49' 00" E	
Bourkes Luck, Farm 454 (see Farm Bourkes Luck 454)	South Africa		24° 39' 00" S 30° 49' 00" E	
Bourkou-Ennedi-Tibesti (former) region	Chad			
Bourzanga (see also: Boulzanga, Bourzenga)	Burkina Faso		13° 40' 41" N 1° 32' 46" W	304 m
Bourzenga (see Bourzanga)	Burkina Faso		13° 40' 41" N 1° 32' 46" W	304 m
Boussouma, 5 km N	Burkina Faso		12° 55' 00" N 1° 05' 00" W	ca. 300 m
Boussoura, 32 km SW Koundara (see also: Koundara, 32 km SW)	Guinea		12° 17' 00" N 13° 03' 00" W	100 m
Boutilimit (see also: Boutillmit)	Mauritania		17° 32' 48" N 14° 41' 40" W	50 m
Boutillmit (see Boutilimit)	Mauritania		17° 32' 48" N 14° 41' 40" W	50 m
Boutry River (see Butre)	Ghana		4° 49' 00" N 1° 55' 00" W	0 m
Bouyo (see Buyo)	Côte d'Ivoire		6° 16' 00" N 7° 03' 00" W	158 m
Bouyouni	Mayotte		12° 44' 19" S 45° 08' 27" E	10 m
Bova Village, 4 km N Buéa Station (see also: Buéa Station, 4 km N)	Cameroon		4° 26' 09" N 9° 12' 55" E	354 m
Bow	Senegal	ca.	15° 35' 00" N 13° 06' 00" W	
Bowker Farm, 5 mi [=8 km] E Kitale (see also: Kitale, 5 mi [=8 km] E)	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	
Bozade	Congo (Democratic Republic of the)		2° 56' 41" N 19° 17' 32" E	
Bozo, 120 km N Bangui (see also: Bangui, 120 km N, Gordil III)	Central African Republic		5° 08' 26" N 18° 28' 44" E	
Bozoum (see also: Bosum, Bozum)	Central African Republic		6° 19' 00" N 16° 23' 00" E	721 m
Bozum (see Bozoum)	Central African Republic		6° 19' 00" N 16° 23' 00" E	721 m
Braawe (see Baraawe)	Somalia		1° 06' 00" N 44° 03' 00" E	0 m
Brach (see Birak)	Libya		27° 32' 00" N 14° 17' 00" E	343 m
Braeside	Zimbabwe		17° 50' 34" S 31° 03' 51" E	1477 m
Bragança (see Calandula)	Angola		9° 06' 00" S 15° 57' 00" E	626 m
Brahababum (see Sefwi Anwiawso)	Ghana		6° 19' 50" N 2° 15' 00" W	
Brak (see Birak)	Libya		27° 32' 00" N 14° 17' 00" E	343 m
Brakfontein, Farm (see Farm Brakfontein), 25 km NNE Griekwastad; 24.5 km NE Hay	South Africa		28° 40' 00" S 23° 22' 00" E	
Brakfontein, Farm (see Farm Brakfontein), 12 mi [=19 km] N Willowmore	South Africa		33° 08' 00" S 23° 25' 00" E	
Brakkloof, near Grahamstown	South Africa		33° 12' 00" S 26° 40' 00" E	
Brakna region	Mauritania			
Brandberg Wes Mine	Namibia		21° 00' 00" S 14° 09' 00" E	
Brandfort, Florisbad [686]	South Africa		28° 42' 00" S 26° 28' 00" E	1412 m
Branfort	South Africa		28° 41' 39" S 26° 27' 27" E	1388 m
Brava (see Baraawe)	Somalia		1° 06' 00" N 44° 03' 00" E	0 m
Brava island	Cape Verde			
Brave (see Baraawe)	Somalia		1° 06' 00" N 44° 03' 00" E	0 m
Brazzaville (see also: Centre ORSTOM, Maya-Maya, N'Tamo, ORSTOM center)	Congo		4° 15' 33" S 15° 17' 05" E	155 m
Brazzaville departement	Congo			
Brazzaville, near	Congo	ca.	4° 15' 00" S 15° 17' 00" E	
Bredasdorp (see also: "Onmeetbare" cave)	South Africa		34° 32' 00" S 20° 02' 00" E	114 m
Bredasdorp, 16.2 km S, 17.8 km W (see Waenhuiskrans Overhangs)	South Africa		34° 40' 44" S 20° 14' 04" E	0 m
Bredasdorp, 16.4 km N, 21.5 km W (see Farm Swq 1032)	South Africa		34° 23' 04" S 19° 48' 27" E	166 m
Bredasdorp, 2 km N, 6 km E (see De Hoop Nature Reserve)	South Africa		34° 27' 18" S 20° 23' 57" E	50 m
Bredasdorp, 32 km ENE (see De Hoop Nature Reserve)	South Africa		34° 27' 18" S 20° 23' 57" E	50 m
Bredill, Benoni	South Africa		26° 10' 00" S 28° 18' 00" E	
Breidbach, 1.4 km S, 5.2 km E King William's Town (see also: King William's Town, 1.4 km S, 5.2 km E)	South Africa		32° 53' 31" S 27° 26' 42" E	380 m
Brekana (see Brikama Ba)	The Gambia		13° 32' 00" N 14° 56' 00" W	27 m
Brezina (see also: Brezina cave)	Algeria		33° 05' 59" N 1° 15' 25" E	825 m
Brezina cave (see Brezina)	Algeria		33° 05' 59" N 1° 15' 25" E	825 m
Briardene	South Africa		29° 47' 53" S 31° 00' 56" E	35 m
Brickaville (see Ampasimanolotra)	Madagascar		18° 49' 00" S 49° 04' 00" E	3 m
Brickaville district (see Ampasimanolotra district)	Madagascar	ca.	18° 49' 04" S 49° 04' 21" E	
Brighton Beach	South Africa		29° 56' 00" S 31° 00' 00" E	
Brikama (see Brikama Ba)	The Gambia		13° 32' 00" N 14° 56' 00" W	27 m

Brikama Ba (see also: Brekana, Brikama, Brikama Bar)	The Gambia		13° 32' 00" N 14° 56' 00" W	27 m
Brikama Bar (see Brikama Ba)	The Gambia		13° 32' 00" N 14° 56' 00" W	27 m
Brits	South Africa		25° 38' 00" S 27° 47' 00" E	1083 m
Brits, 14 km S, 10.5 km W (see Trident Kloof)	South Africa		25° 46' 00" S 27° 40' 00" E	1350 m
Brits, 25.5 km S, 14.7 Km E (see Crocodile River Bank)	South Africa		25° 51' 00" S 27° 56' 00" E	1225 m
Brits, 37 mi [=59.5 km] N (see Buffelsdraai)	South Africa		25° 08' 00" S 27° 40' 00" E	
Broken Hill (see Kabwe)	Zambia		14° 26' 00" S 28° 27' 00" E	1172 m
Brombeek, Farm 271/2 (see Farm Brombeek 271/2)	South Africa		22° 32' 00" S 29° 27' 00" E	
Brong Ahafo region	Ghana			
Bronkhorstspruit (see also: Erasmus)	South Africa		25° 48' 30" S 28° 44' 26" E	1375 m
Bronkhorstspruit Dam Nature Reserve	South Africa		25° 57' 16" S 28° 41' 03" E	
Brooklyn, Pretoria	South Africa		25° 45' 47" S 28° 14' 13" E	
Broughton	South Africa		29° 26' 00" S 30° 27' 00" E	737 m
Brouwerij Baai (see Gisenyi)	Rwanda		1° 42' 10" S 29° 15' 23" E	1481 m
Bruckaros, mount (see Brukkaros, mount)	Namibia		25° 52' 00" S 17° 48' 00" E	
Brukkaros, mount (see also: Bruckaros, mount, Geitsi-Gubeb, Geitsigubib, Groot Bruckaros, Groot Brukaros, Mount Brukaros, Mount Brukharos, Mount Brukkaros)	Namibia		25° 52' 00" S 17° 48' 00" E	
Bryanston, 883 Lowndees Road	South Africa		26° 03' 00" S 28° 02' 00" E	1520 m
Bu Isacarn (see Bou Izakarn)	Morocco		29° 09' 36" N 9° 43' 48" W	617 m
Bua Camp, Guard houses	Malawi		12° 49' 00" S 34° 10' 00" E	600 m
Bualabá River (see Río Grande)	Equatorial Guinea	ca.	3° 23' 03" N 8° 44' 16" E	
Bualala River (see Río Grande)	Equatorial Guinea	ca.	3° 23' 03" N 8° 44' 16" E	
Buar (see Bouar)	Central African Republic		5° 57' 00" N 15° 36' 00" E	1046 m
Buara River (see Río Boara)	Equatorial Guinea		1° 47' 34" N 9° 45' 39" E	
Bubanza province	Burundi			
Bube pan, 15 km E Mkuzi village (see also: Malibali Hide, Malibali pan, Mkuzi village, 15 km E)	South Africa		27° 37' 58" S 32° 11' 03" E	94 m
Bubi district	Zimbabwe		19° 30' 00" S 28° 45' 00" E	
Bubi Town	Equatorial Guinea		3° 29' 00" N 8° 50' 00" E	
Buchanan (see Upper Buchanan)	Liberia		5° 54' 40" N 10° 03' 45" W	65 m
Buchanan Sawmills	Uganda	ca.	1° 45' 23" N 31° 25' 15" E	
Buchwa Iron Mine	Zimbabwe		20° 28' 12" S 30° 09' 00" E	
Buckholt, Farm 228 (see Farm Buckholt 228)	South Africa		31° 02' 15" S 27° 21' 08" E	1680 m
Budaka district	Uganda			
Budima (see also: Ballomah, Baloma, Mbaloma)	Liberia		7° 41' 57" N 9° 39' 03" W	364 m
Budo, Kampala, near	Uganda		0° 15' 36" N 32° 29' 05" E	
Budongo	Uganda		1° 38' 39" N 31° 35' 54" E	
Budongo Forest, ca. 25 km NW of Masindi (see also: Budongo Forest Nature Reserve, Masindi, ca. 25 km NW)	Uganda		1° 44' 16" N 31° 33' 22" E	4000 ft
Budongo Forest Nature Reserve (see Budongo Forest)	Uganda		1° 44' 16" N 31° 33' 22" E	
Budongo Forest Royal mile (see also: Nyabyeya Forestry College, N of, Royal Mile Forest)	Uganda		1° 42' 29" N 31° 32' 21" E	
Budongo Forest Royal mile area	Uganda	ca.	1° 42' 29" N 31° 32' 21" E	
Bududa district	Uganda			
Buéa (see also: Buea, Buéa town forest, Mountain Hut 1)	Cameroon		4° 09' 34" N 9° 14' 12" E	
Buea (see Buéa)	Cameroon		4° 09' 34" N 9° 14' 12" E	
Buéa Station area	Cameroon		4° 07' 00" N 9° 13' 00" E	
Buéa station, 2 km S (see Small Soppo [forest])	Cameroon		4° 07' 00" N 9° 12' 00" E	
Buéa Station, 2 km W	Cameroon		4° 09' 00" N 9° 12' 00" E	
Buéa Station, 3 km S (see Boteke Village)	Cameroon		4° 06' 00" N 9° 12' 00" E	
Buéa Station, 3 km SW	Cameroon		4° 08' 00" N 9° 12' 00" E	
Buéa station, 30 km N (see Mawutu Village)	Cameroon		4° 24' 00" N 9° 12' 00" E	
Buéa Station, 30 mi [=48 km] N (see Muyuka)	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Buéa Station, 4 km N (see Bova Village)	Cameroon		4° 10' 00" N 9° 12' 00" E	
Buea station, 40 km N	Cameroon		4° 16' 00" N 9° 24' 00" E	
Buéa station, 40 km N (see Meanja)	Cameroon		4° 16' 00" N 9° 24' 00" E	
Buéa town forest (see Buéa)	Cameroon		4° 09' 34" N 9° 14' 12" E	
Buéa West Farm	Cameroon		4° 09' 00" N 9° 13' 00" E	
Buéa, 16 km N (see CDC Banana Research Station)	Cameroon		4° 09' 00" N 9° 13' 00" E	
Buéa, 48 km N (see Muyuka)	Cameroon		4° 15' 00" N 9° 24' 00" E	
Buéa, near	Cameroon		4° 09' 00" N 9° 12' 00" E	1050 m
Buemokolo cave (see also: Grotte de Buemokolo)	Comoro Islands		12° 10' 51" S 44° 26' 46" E	
Buemoukolo cave, at western edge of Bazimini	Comoro Islands		12° 10' 50" S 44° 26' 46" E	430 m

Buffalo Bend	Zimbabwe		21° 56' 00" S 31° 29' 00" E	
Buffalo mine, Barberton	South Africa		25° 46' 00" S 31° 03' 00" E	
Buffalo Pass	South Africa		33° 00' 45" S 27° 48' 30" E	400 m
Buffalo Springs (Nature Reserve), near Isiolo	Kenya		0° 37' 00" N 37° 39' 00" E	
Buffalo Springs Camp	Kenya		0° 37' 00" N 37° 39' 00" E	
Buffel Rivier Poort, Farm (see Farm Buffel Rivier Poort), Ladismith NW	South Africa		33° 22' 00" S 21° 37' 00" E	420 m
Buffelsdraai, 37 mi N Brits (see also: Brits, 37 mi [=59.5 km] N)	South Africa		25° 08' 00" S 27° 40' 00" E	
Buffelshoek, Farm 446KQ, Thabazimbi, 16 mi [=26 km] SE	South Africa		24° 40' 18" S 27° 21' 38" E	
Buffelskloof Private Nature Reserve (see Farm Uitkyk 264JT)	South Africa		25° 18' 00" S 30° 30' 00" E	
Buffelspoort, Farm 149JQ (see Farm Buffelspoort 149 JQ), 5 km NE Assen	South Africa		25° 07' 00" S 27° 37' 00" E	
Buffelsvlei (see Boerboomskraal)	South Africa		24° 49' 00" S 30° 21' 00" E	876 m
Bufumira Island	Uganda		0° 21' 33" S 32° 24' 03" E	
Bufundi (see also: Bugundi)	Rwanda		1° 20' 42" S 29° 51' 01" E	
Bugagi, Zanzibar	Tanzania			
Bugala island, Lake Victoria (see also: Sesse island)	Uganda		0° 19' 13" N 32° 14' 38" E	
Bugara	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1200 m
Bugarula, 6 km N (see Washiha Forest)	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 29° 04' 00" E	1500 m
Bugarura island	Rwanda		1° 54' 39" S 29° 16' 00" E	
Bugesera (see also: Kanazi)	Rwanda		2° 08' 44" S 30° 05' 29" E	1432 m
Bugiri district	Uganda			
Bugoma Forest, Mwela	Uganda		1° 11' 53" N 30° 56' 07" E	3800 ft
Bugoye Kisenyi	Rwanda		1° 42' 00" S 29° 35' 00" E	
Buguma (see Boukma)	Cameroon		8° 32' 00" N 13° 55' 00" E	254 m
Bugundi (see Bufundi)	Rwanda		1° 20' 42" S 29° 51' 00" E	
Buhanga	Burundi		3° 39' 00" S 29° 58' 55" E	1828 m
Buhatu valley (see Butahu valley, cave), W slope of Mount Ruwenzori	Congo (Democratic Republic of the)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Bu?ayrat Maryut (see also: El Maryût, Lac Maréotis, Lake Mariout, Lake Mariut, Lake Marout, Lake Maryut, Maréotis, Mariout, lake, Mariut, lake, Marout, lake, Maryut, lake)	Egypt		31° 09' 27" N 29° 54' 16" E	
Bu?ayrat Maryut, SW of (see also: Maréotis, SW of lake)	Egypt	ca.	31° 09' 27" N 29° 54' 16" E	
Bu?eyrat No (see No, lake)	South Sudan		9° 30' 00" N 30° 28' 00" E	
Buhivu, mount Elgon	Uganda		1° 08' 00" N 34° 33' 00" E	
Buhonga	Burundi		3° 25' 59" S 29° 24' 46" E	1529 m
Buhoro, 10 km W Mabaye (see also: Mabaye, 10 km W)	Burundi		2° 41' 55" S 29° 11' 08" E	1453 m
Buhweju district	Uganda			
Buikwe district	Uganda			
Buitenhoop, Farm (see Farm Buitenhoop)	South Africa		28° 06' 00" S 25° 13' 00" E	
Bujumbura	Burkina Faso			
Bujumbura (see also: Usumbura)	Burundi		3° 23' 00" S 29° 22' 00" E	794 m
Bujumbura, 60 km S (see Resha)	Burundi		3° 54' 00" S 29° 24' 00" E	
Bujumbura, 7 km NW (see also: Bujumbura, 7 km NW)	Burundi		3° 21' 00" S 29° 18' 00" E	
Bujumbura-Mairie province	Burundi			
Bujumbura-Rural province	Burundi			
Bukakata (see also: Bukakata Pier)	Uganda		0° 18' 00" S 31° 58' 12" E	
Bukakata Pier (see Bukakata)	Uganda		0° 18' 00" S 31° 58' 12" E	
Bukalasa, West Mengo (see also: Bukulasa)	Uganda		0° 42' 26" N 32° 30' 48" E	1127 m
Bukama	Congo (Democratic Republic of the)		9° 12' 00" S 25° 51' 00" E	601 m
Bukama territory	Congo (Democratic Republic of the)		9° 12' 00" S 25° 51' 00" E	
Bukama, 40 mi [=64 km] below (see Katobwe), on Lualaba river	Congo (Democratic Republic of the)		8° 54' 00" S 26° 04' 00" E	547 m
Bukamba (see Ngoumé)	Cameroon		5° 29' 00" N 11° 24' 00" E	681 m
Bukara	Burundi		4° 06' 37" S 29° 46' 41" E	
Bukasa island	Uganda		0° 24' 26" S 32° 28' 41" E	
Bukavu (see also: Costermansstad, Costermansville)	Congo (Democratic Republic of the)		2° 30' 30" S 28° 51' 39" E	1498 m

Bukavu, 100 km W (see Irangi Forest)	Congo (Democratic Republic of the)		1° 54' 00" S 28° 27' 00" E	
Bukedea district	Uganda			
Bukedi, 9.7 km SSW Tororo (see also: Tororo, 9.7 km SSW)	Uganda		0° 39' 00" N 34° 08' 00" E	
Bukeye commune, Nyamugari hill	Burundi		3° 11' 40" S 29° 38' 30" E	1875 m
Bukinanyana Commune	Burundi		2° 52' 50" S 29° 20' 10" E	1543 m
Bukoba, Lake Victoria	Tanzania		1° 19' 54" S 31° 46' 44" E	1250 m
Bukoba district	Tanzania		1° 20' 00" S 31° 30' 00" E	
Bukoko (see Boukoko)	Central African Republic		3° 54' 00" N 17° 56' 00" E	559 m
Bukomansimbi district	Uganda			
Bukorwe Ridge	Uganda		0° 44' 00" S 29° 40' 00" E	3500 ft
Bukulasa (see Bukalasa), West Mengo	Uganda		0° 42' 26" N 32° 30' 48" E	1127 m
Bukwa, 5 mi [= 8 km] W (see Kabei cave)	Uganda		1° 18' 00" N 34° 45' 00" E	
Bukwo district	Uganda			
Bulaga (see Kasenga road, km 37)	Congo (Democratic Republic of the)		11° 37' 00" S 27° 40' 00" E	
Bulaganya, cave 3 mi [=4.8 km] S, Bugisu district	Uganda	ca.	1° 00' 00" N 34° 00' 00" E	
Bulama (see Bolama)	Guinea-Bissau		11° 35' 00" N 15° 28' 00" W	0 m
Bulambuli district	Uganda			
Bulaq	Egypt		25° 12' 00" N 30° 32' 00" E	36 m
Bulawayo	Zimbabwe		20° 09' 00" S 28° 35' 00" E	1351 m
Bulawayo province	Zimbabwe			
Bulawayo Swamps	Zimbabwe	ca.	20° 05' 00" S 28° 30' 00" E	
Bulawayo, 16 km S	Zimbabwe		20° 19' 00" S 28° 43' 00" E	
Bulawayo, 20 km N	Zimbabwe			
Bulaya, Lake Mweru Wantipa	Zambia		8° 31' 00" S 30° 08' 00" E	948 m
Bulaya	Congo (Democratic Republic of the)		1° 12' 00" S 29° 27' 00" E	1160 m
Bulcha Forest, Sidamo	Ethiopia			
Bulcha Forest, E of Lake Margherita	Ethiopia		6° 11' 00" N 38° 10' 00" E	1800 m
Buligi	Uganda		2° 16' 00" N 31° 23' 00" E	762 m
Buliisa district	Uganda			
Bulla Reggia (see Bulla Regia), 7 km NNW Jendouba	Tunisia		36° 33' 30" N 8° 44' 48" E	
Bulla Regia, 7 km NNW Jendouba (see also: Bulla Reggia, El Hammam , Hammam Derradji, Jendouba, 7 km NNW, Ruines de Bulla Régia, Souk el Arba, 7 km NNW)	Tunisia		36° 33' 30" N 8° 44' 48" E	
Bulldog Mine, Mutare	Zimbabwe		18° 45' 00" S 32° 30' 00" E	
Bulo Bérde (see Buulobarde)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
Bulo Burti (see Buulobarde)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
Bultfontein (see also: Eldorado, Farm 66, Farm 66 (Eldorado), Farm Eldorado 66)	South Africa		28° 56' 00" S 25° 57' 00" E	
Buluku	Congo (Democratic Republic of the)		4° 33' 00" N 29° 49' 00" E	
Buluku river	Congo (Democratic Republic of the)		4° 33' 00" N 29° 49' 00" E	
Buluma	Liberia			
Bulundu	Congo (Democratic Republic of the)	ca.	2° 42' 00" S 27° 20' 00" E	
Bulwa Tea Estate, 8 km NWN Amani (see also: Amani, 8 km NWN)	Tanzania		5° 00' 00" S 38° 38' 00" E	1000 m
Bulyahulu [Gold Mine]	Tanzania		3° 43' 43" S 32° 28' 37" E	
Bulyanhulu	Tanzania		3° 44' 00" S 32° 29' 00" E	
Bumali	Congo (Democratic Republic of the)		0° 21' 00" N 29° 45' 00" E	1300 m
Bumba	Congo (Democratic Republic of the)		2° 11' 00" N 22° 28' 00" E	419 m
Bumba territory	Congo (Democratic Republic of the)		2° 11' 00" N 22° 28' 00" E	
Bumban, 1 mi E	Sierra Leone		9° 07' 00" N 11° 54' 00" W	
Bumbo	Uganda		0° 51' 40" N 34° 23' 53" E	1489 m
Bumbusie Gorge	Zimbabwe		18° 37' 30" S 26° 07' 30" E	
Bumbwini	Tanzania		5° 58' 00" S 39° 11' 00" E	
Bumbwini	Tanzania		5° 58' 00" S 39° 12' 00" E	0 m
Buna (see Bouna)	Côte d'Ivoire		9° 16' 00" N 3° 00' 00" W	321 m
Bundibugyo district	Uganda			
Bundimusaba (see also: Bundimusembe, Bundimusuba)	Uganda		0° 43' 00" N 30° 05' 00" E	
Bundimusembe (see Bundimusaba)	Uganda		0° 43' 00" N 30° 05' 00" E	
Bundimusuba (see Bundimusaba)	Uganda		0° 43' 00" N 30° 05' 00" E	
Bunduki	Tanzania		7° 02' 00" S 37° 38' 00" E	1416 m
Bunduma Village, 4 km N Buéa Station	Cameroon		4° 11' 00" N 9° 13' 00" E	
Bunga Inselberg	Mozambique		18° 35' 56" S 34° 20' 35" E	212 m

Bunge (see Bungi), Zanzibar	Tanzania		6° 16' 00" S 39° 20' 00" E	0 m
Bungeli, near (see Bungweli, near)	Ghana	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Bungi, Zanzibar (see also: Bunge)	Tanzania		6° 16' 00" S 39° 20' 00" E	0 m
Bungi-Gurunsini	Tanzania		6° 14' 38" S 39° 19' 13" E	5 m
Bungo	Angola		7° 26' 00" S 15° 23' 00" E	1122 m
Bungoma county	Kenya			
Bungueli, near (see Bungweli, near)	Ghana	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Bungweli, near (see also: Bungeli, near, Bungueli, near)	Ghana	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Bunia (see also: Ngioni)	Congo (Democratic Republic of the)		1° 34' 00" N 30° 15' 00" E	1332 m
Bunkeya (see also: Bunkeye)	Congo (Democratic Republic of the)		10° 24' 00" S 26° 58' 00" E	1008 m
Bunkeye (see Bunkeya)	Congo (Democratic Republic of the)		10° 24' 00" S 26° 58' 00" E	1008 m
Bunso	Ghana			
Bunyangura	Congo (Democratic Republic of the)		1° 09' 00" S 29° 26' 00" E	1200 m
Bunyenzi	Congo (Democratic Republic of the)		1° 10' 00" S 29° 27' 00" E	1225 m
Bunyoni, lake (see Bunyonyi, lake)	Uganda		1° 17' 00" S 29° 55' 05" E	
Bunyonyi, lake (see also: Bunyoni, lake, Lake Bunyoni, Lake Bunyonyi)	Uganda		1° 17' 00" S 29° 55' 05" E	
Bunyoro, Busingiro	Uganda		1° 45' 00" N 31° 35' 00" E	1350 m
Bunzoga (see Bunzuqah)	Sudan		12° 31' 00" N 34° 09' 00" E	440 m
Bunzoqa (see Bunzuqah)	Sudan		12° 31' 00" N 34° 09' 00" E	440 m
Bunzuga (see Bunzuqah)	Sudan		12° 31' 00" N 34° 09' 00" E	440 m
Bunzuqah (see also: Bunzoga, Bunzoqa, Bunzuga)	Sudan		12° 31' 00" N 34° 09' 00" E	440 m
Bur 'ó (see Burco)	Somalia		9° 31' 00" N 45° 32' 00" E	1034 m
Bur Sa`id governorate (see also: Bur Said governorate |PC:BS|, Port Said governorate |PC:BS|)	Egypt			
Bur SPC:BS|)	Egypt			
Bur Sudan (see also: Burt Sudan, New Sawâkin, Port Sudan, Shaikh Barghuth, Shaykh Burghuth, Sheikh Barghuth)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Bura	Kenya			
Buram	Sudan		10° 36' 00" N 29° 57' 00" E	
Buram [resthouse]	Sudan		10° 37' 43" N 29° 58' 12" E	
Burao (see Burco)	Somalia		9° 31' 00" N 45° 32' 00" E	1034 m
Burco (see also: Bur 'ó, Burao)	Somalia		9° 31' 00" N 45° 32' 00" E	1034 m
Buren, Farm (see Farm Buren), 128 km NW Ellisras	South Africa		23° 37' 00" S 27° 52' 00" E	
Bureyi lake, E side shore (see Bishan Waka lake, E side shore)	Ethiopia		7° 18' 01" N 35° 16' 24" E	
Burg el'Arab (see Burj al'Arab)	Egypt		30° 55' 00" N 29° 32' 00" E	9 m
Burgers Park, Pretoria	South Africa		25° 43' 00" S 28° 11' 00" E	
Burgersdorf (see Burgersdorp)	South Africa		30° 59' 00" S 26° 19' 00" E	1450 m
Burgersdorp (see also: Burgersdorf, Burghersdorp)	South Africa		30° 59' 00" S 26° 19' 00" E	1450 m
Burgh-El-Arab (see Burj al'Arab)	Egypt		30° 55' 00" N 29° 32' 00" E	9 m
Burghersdorp (see Burgersdorp)	South Africa		30° 59' 00" S 26° 19' 00" E	1450 m
Burisifwe Gombolola, Bugisu district	Uganda	ca.	1° 00' 00" N 34° 00' 00" E	
Burj al'Arab, 40 km W Alexandria (see also: Alexandria, 40 km W, Burg el'Arab, Burgh-El-Arab)	Egypt		30° 55' 00" N 29° 32' 00" E	9 m
Burj ash Sha'nabi (see Bordj Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Burj ash Sha'nabi, (see Bordj Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Burkina Faso (see also: "Haute Volta")	Burkina Faso			
Burman Bush Nature Reserve	South Africa		29° 48' 58" S 31° 00' 57" E	
Burman Bush, North Ridge Road, Durban	South Africa			
Burru (see Mbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Burt Sudan (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Burundi	Burundi			
Bururi	Burundi		3° 57' 04" S 29° 37' 00" E	1836 m
Bururi Forest Reserve (see also: Bururi, réserve naturelle forestière de)	Burundi		3° 56' 20" S 29° 35' 50" E	
Bururi province	Burundi			
Bururi, réserve naturelle forestière de (see Bururi Forest Reserve)	Burundi		3° 56' 20" S 29° 35' 50" E	

Bushanganya	Congo (Democratic Republic of the)		2° 19' 00" S 28° 47' 00" E	
Bushcamp (see Tierkloof), Gamkaberg	South Africa		33° 44' 30" S 21° 53' 30" E	
Bushdinka (see Busholinka river)	Congo (Democratic Republic of the)		1° 11' 00" S 29° 29' 00" E	1350 m
Bushenyi district	Uganda			
Bushmans Caves (see Farm Guano Caves 163)	South Africa		33° 49' 58" S 20° 10' 28" E	420 m
Bushokwe caves, Langara (see also: Bushokwe grottes, Grottes de Bushokwe, Grottoes de Bushokwe)	Congo (Democratic Republic of the)	ca.	2° 59' 27" S 28° 55' 29" E	
Bushokwe grottes (see Bushokwe caves), Langara	Congo (Democratic Republic of the)	ca.	2° 59' 27" S 28° 55' 29" E	
Busholinka river (see also: Bushdinka)	Congo (Democratic Republic of the)		1° 11' 00" S 29° 29' 00" E	1350 m
Bushushu	Congo (Democratic Republic of the)		2° 01' 00" S 28° 54' 00" E	1455 m
Bushwacker's Safari Camp, 10.5 km N, 17 km E Kibwezi (see also: Kibwezi, 10.5 km N, 17 km E)	Kenya	ca.	2° 19' 00" S 38° 07' 00" E	
Busia	Kenya		0° 28' 00" N 34° 06' 00" E	1206 m
Busia county	Kenya			
Busia district	Uganda			
Busiga	Burundi		2° 52' 35" S 29° 44' 03" E	1829 m
Busingiro area (see also: Busingiro Camp Site)	Uganda		1° 42' 54" N 31° 28' 12" E	1070 m
Busingiro Camp Site (see Busingiro area)	Uganda		1° 42' 54" N 31° 28' 12" E	1070 m
Bussu	Uganda		0° 02' 00" N 32° 02' 00" E	
Busu Mokalu (see Busu-Mokala)	Congo (Democratic Republic of the)		2° 20' 00" N 20° 15' 00" E	
Busu-Mokala (see also: Busu Mokalu)	Congo (Democratic Republic of the)		2° 20' 00" N 20° 15' 00" E	
Busumtwi, lake (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Busunu, 30 - 33 mi from Damongo	Ghana		9° 09' 00" N 1° 30' 00" W	145 m
Buta	Cameroon		4° 00' 36" N 9° 09' 00" E	
Buta	Congo (Democratic Republic of the)		2° 48' 00" N 24° 44' 00" E	434 m
Butagu valley (see Butahu valley, cave), W Ruwenzori	Congo (Democratic Republic of the)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Butahu valley, cave, W Ruwenzori (see also: Buhatu valley, Butagu valley, Butatu valley, Butawu valley)	Congo (Democratic Republic of the)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Butaleja district	Uganda			
Butambala district	Uganda			
Butandiga	Uganda		1° 12' 00" N 34° 22' 00" E	1743 m
Butare (see also: Astrida, Butare INRS)	Rwanda		2° 35' 50" S 29° 44' 20" E	1733 m
Butare INRS (see Butare)	Rwanda		2° 35' 50" S 29° 44' 20" E	1733 m
Butata, Farm 210 (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Butatu valley (see Butahu valley, cave)	Congo (Democratic Republic of the)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Butawu valley (see Butahu valley, cave)	Congo (Democratic Republic of the)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Butembo	Congo (Democratic Republic of the)		0° 09' 00" N 29° 17' 00" E	
Butembo region	Congo (Democratic Republic of the)	ca.	0° 09' 00" N 29° 17' 00" E	
Butha-Buthe district	Lesotho			
Butiaba (see also: Butlaba)	Uganda		1° 48' 41" N 31° 19' 50" E	600 m
Butlaba (see Butiaba)	Uganda		1° 48' 41" N 31° 19' 50" E	600 m
ButnaPC:BN|)	Libya			
Butre (see also: Bootry, Boutry River, ButrI)	Ghana		4° 49' 00" N 1° 55' 00" W	0 m
ButrI (see Butre)	Ghana		4° 49' 00" N 1° 55' 00" W	0 m
Buulo (see Buulobarde)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
Buulo Berde (see Buulobarde)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
Buulo Burte (see Buulobarde)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
Buulobarde (see also: Bulo Bérde, Bulo Burti, Buulo, Buulo Berde, Buulo Burte)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
Buvuma district	Uganda			
Buxton mine (see Norlim mine), 16 km SW Taung	South Africa		27° 37' 00" S 24° 38' 00" E	1087 m
Buye Bala	Congo (Democratic Republic of the)		0° 57' 36" S 0° 26' 53" E	
Buyende district	Uganda			
Buyo (see also: Bouyo)	Côte d'Ivoire		6° 16' 00" N 7° 03' 00" W	158 m

Buyo, 15 km from	Côte d'Ivoire	ca.	6° 16' 00" N 7° 03' 00" W	
Buzi river	Mozambique		19° 55' 40" S 33° 49' 42" E	
Buzzard Mountain Retreat, 16 km NW Louis Trichardt (see also: Buzzard Mountain Sanctuary, Louis Trichardt, 16 km NW)	South Africa		23° 02' 00" S 29° 46' 00" E	
Buzzard Mountain Sanctuary (see Buzzard Mountain Retreat), 16 km NW Louis Trichardt, Soutpansberg	South Africa		23° 02' 00" S 29° 46' 00" E	
Bwainba (see Bwamba [county])	Uganda		0° 50' 00" N 30° 03' 00" E	762 m
Bwake (see Bouaké)	Côte d'Ivoire		7° 41' 00" N 5° 01' 59" W	312 m
Bwalo, near Fort Jameson	Zambia		13° 45' 00" S 32° 45' 00" E	4500 ft
Bwamanda [mission]	Congo (Democratic Republic of the)		3° 10' 06" N 19° 14' 45" E	508 m
Bwamba [county] (see also: Bwainba)	Uganda		0° 50' 00" N 30° 03' 00" E	762 m
Bwamba Forest	Uganda		1° 40' 00" N 31° 30' 00" E	
Bwambara, 8 km N (see Bwentale Camp, below)	Uganda		0° 33' 00" S 29° 52' 12" E	
Bwana Mkubwa	Zambia		13° 00' 00" S 28° 40' 48" E	
Bwandela River, Mporokoso District, Ehilosi area (see also: Bwandera River)	Zambia		9° 59' 08" S 30° 01' 28" E	
Bwandera River (see Bwandela River)	Zambia		9° 59' 08" S 30° 01' 28" E	
Bwandza	Congo (Democratic Republic of the)		2° 36' 56" N 21° 44' 32" E	
Bwentale Camp, below (see also: Bwambara, 8 km N)	Uganda		0° 33' 00" S 29° 52' 12" E	1031 m
Bweru	Burundi		3° 19' 25" S 30° 28' 15" E	1684 m
Bwindi area	Uganda	ca.	1° 02' 09" S 29° 43' 10" E	
Bwindi Swamp	Uganda			
Bwindi-Impenetrable National Park	Uganda		1° 02' 09" S 29° 43' 10" E	1500 m
Bwirina	Congo (Democratic Republic of the)		0° 39' 00" N 29° 43' 00" E	900 m
Bwiru (see also: Wiru)	Tanzania		2° 28' 16" S 32° 53' 13" E	
Byangore river	Congo (Democratic Republic of the)			
Byaxixi, near Matiyotshwuka	South Africa		23° 22' 22" S 31° 10' 03" E	
Byonga	Congo (Democratic Republic of the)		3° 21' 00" S 28° 08' 00" E	
Byrhtes (see Ngwenya)	Swaziland		26° 10' 00" S 31° 03' 00" E	
Byrhytes mine	Swaziland		26° 10' 00" S 31° 03' 00" E	
Byrhytes mine, Ngwenya-Oshoek	Swaziland		26° 13' 00" S 31° 02' 00" E	1300 m
Byumba, edge of Bwindi-Impenetrable National Park	Uganda		0° 55' 41" S 29° 41' 45" E	1540 m
Byumba	Rwanda		1° 34' 35" S 30° 04' 03" E	2300 m
C.L.C. (see Cape Palmas Logging Company)	Liberia		5° 11' 00" N 7° 58' 00" W	
C39, 30 km N	Cameroon		2° 36' 00" N 13° 36' 00" E	
Caála (see also: Cahala, Kaala, Robert Williams, Roberto Williams, Vila Robert Williams)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Caála, 6 mi [=9.7 km] S (see also: Robert Williams, 6 mi [=9.7 km] S)	Angola	ca.	12° 51' 09" S 15° 33' 38" E	1630 m
Cabaceira (see Cabaceira Pequena)	Mozambique		15° 00' 40" S 40° 45' 58" E	0 m
Cabaceira Pequena (see also: Cabaceira)	Mozambique		15° 00' 40" S 40° 45' 58" E	0 m
Cabinda province	Angola			
Cabire (see Cabiri)	Angola		8° 54' 55" S 13° 40' 09" E	87 m
Cabiri (see also: Cabire, Kabire, Kabiri)	Angola		8° 54' 55" S 13° 40' 09" E	87 m
Cabo Corso (see Cape Coast)	Ghana		5° 06' 00" N 1° 15' 00" W	0 m
Cabo Delgado province	Mozambique			
Cabo Guja (see also: Guja, Guya)	Mozambique		23° 44' 28" S 35° 20' 58" E	68 m
Cacadu district (see also: Aberdeen district, Hankey district)	South Africa			
Cacahual	Equatorial Guinea		3° 46' 45" N 8° 43' 36" E	
Cacheu region	Guinea-Bissau			
Caconda	Angola		13° 42' 00" S 15° 05' 00" E	1900 m
Cacongo (see also: Guilherme Capelo, Lândana, Vila Guilherme Capelo)	Angola		5° 14' 00" S 12° 09' 00" E	0 m
Caffer (see Caffraria)	South Africa			
Caffraria (see also: Caffer, Kaffraria)	South Africa			
Caffraria?	Caffraria?			
Cahala (see Caála)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Cahata	Angola		12° 21' 00" S 14° 49' 00" E	1209 m
Caia Lodge	Mozambique		17° 50' 50" S 35° 19' 23" E	

Caimbambo	Angola		13° 00' 00" S 13° 50' 00" E	
Cairo (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
Cairo and Ismaila, between	Egypt		30° 00' 00" N 31° 00' 00" E	
Cairo and Ismailia, between	Egypt			
Cairo Citadel (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
CairoPC:QH|)	Egypt			
Cairo, 20 km S (see also: Cairo, 20 km S)	Egypt	ca.	30° 03' 00" N 31° 15' 00" E	
Cairo, 20 km S (see Cairo, 20 km S)	Egypt	ca.	30° 03' 00" N 31° 15' 00" E	
Cairo, 20 mi [=32 km] E	Egypt	ca.	30° 03' 00" N 31° 15' 00" E	
Cairo, 5 km E	Egypt	ca.	30° 03' 00" N 31° 15' 00" E	
Cairo, Gizeh and Theben, between	Egypt	ca.	25° 43' 00" N 32° 38' 00" E	
Cairo, near	Egypt		29° 58' 00" N 31° 07' 00" E	
Calabar	Nigeria		4° 57' 00" N 8° 19' 00" E	97 m
Calabar (see Igbo-Ora)	Nigeria		7° 26' 00" N 3° 17' 00" E	380 m
Calabar, 15 mi [=24 km] N	Nigeria		5° 13' 00" N 8° 12' 00" E	
Calama (see Kelem)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Calandula (see also: Bragança, Duque de Bragança, Kalandula, Nalandula)	Angola		9° 06' 00" S 15° 57' 00" E	626 m
Calata cave	Madagascar	ca.	18° 18' 52" S 47° 06' 53" E	
Caldera de San Carlos Scientific Reserve (see also: Belebu and Ureka, between, Reserva cientifica de la Caldera de San Carlos)	Equatorial Guinea	ca.	3° 20' 00" N 8° 34' 00" E	
Callado Monte Alen, Limite Evinayong Niefang	Equatorial Guinea		1° 51' 00" N 10° 07' 00" E	400 m
Callam (see Kelem)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Callis (see Kalis)	Somalia		8° 26' 00" N 49° 05' 00" E	308 m
Caltonville (see Farm Wonderfontein 103IQ)	South Africa		26° 18' 00" S 27° 24' 00" E	
Calulo, 40 km E	Angola		10° 01' 00" S 15° 20' 00" E	
Calunda (see also: Alto Zambeze, Kalunda)	Angola		12° 07' 00" S 23° 28' 00" E	1487 m
Calundo, Lake (see also: Lac Calundo, Lake Calundo, Luso, 105 km E)	Angola		11° 43' 00" S 20° 48' 00" E	1150 m
Calvinia, 54 mi [=87 km] E (see Farm Gouna)	South Africa		31° 32' 16" S 203° 29' 09" E	3600 ft
Calvinia, 6 mi [=9.6 km] E (see Farm Onder-Downes)	South Africa		31° 31' 06" S 19° 31' 06" E	
Camabatela, 30 km W (see Roça Canzel)	Angola		8° 21' 00" S 15° 11' 00" E	793 m
Cambisa	Angola		15° 19' 00" S 16° 13' 00" E	1369 m
Cambo, 60 km N	Angola		10° 20' 00" S 20° 06' 00" E	
Camel cave, valley, near Berkane, Zegzel plateau (see also: Grotte des chameaux)	Morocco	ca.	34° 45' 00" N 2° 20' 00" W	1155 m
Cameroon	Cameroon			
Cameroon Mountain cave	Cameroon		4° 09' 00" N 9° 13' 00" E	1200 m
Camp 7, 25 mi [=40 km] SSE Fort Rietfontein (see also: Fort Rietfontein, 25 mi [=40 km] SSE)	Botswana		22° 00' 00" S 21° 15' 00" E	
Camp Chikwawa (see also: Chikwawa camp)	Malawi		16° 13' 00" S 34° 44' 00" E	
Camp d'Aïn Tafouralt (see Taforhalt)	Morocco		34° 48' 36" N 2° 24' 00" W	911 m
Camp des Lions, forest next to the river	Senegal		13° 01' 00" N 13° 14' 00" W	
Camp II	Cameroon	ca.	4° 47' 00" N 9° 43' 00" E	1100 m
Camp III, near Buéa	Cameroon	ca.	4° 09' 00" N 9° 13' 00" E	1200 m
Camp III	Liberia		7° 06' 35" N 8° 50' 20" W	
Camp IV	Cameroon		6° 10' 00" N 10° 25' 00" E	2100 m
Camp Leclerc	Senegal		14° 44' 04" N 17° 28' 09" W	
Camp Putnam (see also: Putnam, camp)	Congo (Democratic Republic of the)		1° 24' 00" N 28° 35' 00" E	675 m
Camp Schieffellin (see Schieffelin), on Junk river	Liberia		6° 13' 17" N 10° 32' 16" W	94 m
Camp Thorel Cave	Mauritius		20° 12' 56" S 57° 37' 14" E	310 m
Camp V	Cameroon			
Camp-Katembora	Zimbabwe	ca.	17° 51' 00" S 25° 27' 00" E	
Campo (see also: Campo Aka, Kampo)	Cameroon		2° 22' 00" N 9° 49' 00" E	0 m
Campo Aka (see Campo)	Cameroon		2° 22' 00" N 9° 49' 00" E	0 m
Campo National Park (see also: Campo, Reserve, Réserve de faune de Campo)	Cameroon		2° 23' 00" N 10° 06' 00" E	
Campo, Reserve (see Campo National Park)	Cameroon		2° 23' 00" N 10° 06' 00" E	
Can Pfumo (see Maputo)	Mozambique		25° 57' 55" S 32° 35' 21" E	63 m
Canary Islands (Spain)	Canary Islands (Spain)			
Canaveses (see Marco de Canavezes)	Angola		12° 59' 00" S 14° 22' 00" E	972 m
Candala (see Qandala)	Somalia		11° 28' 16" N 49° 52' 26" E	2 m
Canear [NF], 40 km NE (see Rio Kassai)	Algeria			
Canga (see Fazenda Cunga)	Angola		9° 15' 00" S 13° 44' 00" E	46 m
Canga-Moribadou Road, 2nd bridge on	Guinea		8° 35' 36" N 8° 51' 26" W	ca. 750 m

Canhoca (see also: Kanhoca)	Angola		9° 07' 48" S 14° 37' 48" E	
Cankuzo province	Burundi			
Canyon des Singes, 2 km W Ranohira bas; Andranokova (see also: Andranokova, Ranohira bas, 2 km W)	Madagascar	ca.	22° 30' 00" S 45° 24' 00" E	
Canzale (see Roça Canzel), 30 km W Camabatela	Angola		8° 21' 00" S 15° 11' 00" E	793 m
Canzel (see Roça Canzel), 30 km W Camabatela	Angola		8° 21' 00" S 15° 11' 00" E	793 m
Canzele (see Roça Canzel), 30 km W Camabatela	Angola		8° 21' 00" S 15° 11' 00" E	793 m
Canzole (see Roça Canzel), 30 km W Camabatela	Angola		8° 21' 00" S 15° 11' 00" E	793 m
Caotina, 5 km NW Chefchaouen (see also: Chefchaouen, 5 km NW, Fomento, Puente de Fomento, Puento Fomento)	Morocco		35° 11' 44" N 5° 18' 32" W	508 m
Cap Aokas (see Aokas)	Algeria		36° 38' 00" N 5° 15' 00" E	198 m
Cap Bon (see Cape Bon)	Tunisia		37° 05' 00" N 11° 02' 20" E	
Cap Esteras (see Esterias, Cap)	Gabon		0° 37' 00" N 9° 20' 00" E	
Cap Esterias (see Esterias, Cap)	Gabon		0° 37' 00" N 9° 20' 00" E	
Cap Esteros (see Esterias, Cap)	Gabon		0° 37' 00" N 9° 20' 00" E	
Cap Hermes des Grecs (see Cape Bon)	Tunisia		37° 05' 00" N 11° 02' 20" E	
Cap Lopez (see Lopez, Cap)	Gabon		0° 37' 00" S 8° 43' 00" E	
Cap Mercure des Latins (see Cape Bon)	Tunisia		37° 05' 00" N 11° 02' 20" E	
Cap Saint Vincent (see Tanjona Ankaboa)	Madagascar		21° 52' 00" S 43° 20' 00" E	
Cape Bon (see also: Al-Dakha, Cap Bon, Cap Hermes des Grecs, Cap Mercure des Latins, El Haouaria, 4 km NE, Ra's at Tib, Ra's Maddar , Ras Addar, Rass Adder)	Tunisia		37° 05' 00" N 11° 02' 20" E	
Cape Cassa Mabongo (see Kasambongo)	Congo (Democratic Republic of the)		3° 24' 00" S 29° 08' 00" E	
Cape Coast (see also: Cabo Corso, Cape Coast Castle, Igua Ogwa, Ogwa)	Ghana		5° 06' 00" N 1° 15' 00" W	0 m
Cape Coast Castle (see Cape Coast)	Ghana		5° 06' 00" N 1° 15' 00" W	0 m
Cape Division	South Africa			
Cape Lopez	Congo (Democratic Republic of the)		3° 07' 00" S 28° 43' 00" E	
Cape Lopez (see Lopez, Cap)	Gabon		0° 37' 00" S 8° 43' 00" E	
Cape Maclear	Malawi		14° 01' 00" S 34° 51' 00" E	562 m
Cape of Good Hope (peninsula) (see Cape Peninsula)	South Africa		34° 10' 00" S 18° 20' 00" E	
Cape of Good Hope (see Cape Peninsula)	South Africa		34° 10' 00" S 18° 20' 00" E	
Cape Palmas (see Harper)	Liberia		4° 22' 30" N 7° 43' 01" W	59 m
Cape Palmas Logging Company (see also: C.L.C.)	Liberia		5° 11' 00" N 7° 58' 00" W	
Cape Palmas, near	Liberia	ca.	4° 22' 30" N 7° 43' 01" W	
Cape Peninsula (see also: Cape of Good Hope, Cape of Good Hope (peninsula), Kaapse Skiereiland)	South Africa		34° 10' 00" S 18° 20' 00" E	
Cape province (see also: Kaap provincie, The Cape)	South Africa			
Cape Saint Vincent (see Tanjona Ankaboa)	Madagascar		21° 52' 00" S 43° 20' 00" E	
Cape Saint Vincent, near (see Tanjona Ankaboa, near)	Madagascar	ca.	21° 52' 00" S 43° 20' 00" E	
Cape Town (see also: Kaapstad)	South Africa		33° 55' 00" S 18° 25' 00" E	6 m
Cape Town, 200 mi [=322 km] E	South Africa			
Cape Town, near	South Africa	ca.	33° 55' 00" S 18° 25' 00" E	
Cape Verde	Cape Verde			
Cape Vidal (see Cape Vidal State Forest), Eastern Shores Nature Reserve	South Africa		28° 04' 00" S 32° 32' 00" E	
Cape Vidal Nature Reserve, E shores	South Africa		28° 08' 39" S 32° 32' 48" E	50 m
Cape Vidal State Forest, Eastern Shores Nature Reserve (see also: Cape Vidal)	South Africa		28° 04' 00" S 32° 32' 00" E	
Cape Winelands district (see also: Boland district)	South Africa			
Capelongo (1) (see Kuvango)	Angola		14° 28' 00" S 16° 18' 00" E	1448 m
Capelongo (2) (see also: Folgares, Kapelongo, Vila de Folgares)	Angola		14° 55' 00" S 15° 05' 00" E	1197 m
Capelopopo, near Virei (or Birei)	Angola	ca.	15° 43' 00" S 12° 57' 00" E	
Capitango, hill (see also: Kapitango, hill, Río Capitango)	São Tomé and Principé		0° 05' 00" N 6° 36' 00" E	
Capolopopo (see also: Fazenda Capolopopo)	Angola		15° 54' 00" S 12° 48' 00" E	530 m
Capri Point	Tanzania		2° 31' 37" S 32° 53' 22" E	
Capricorn district	South Africa			
CapriPC:CA|)	Namibia			
Capsa (see Gafsa)	Tunisia		34° 25' 30" N 8° 47' 03" E	297 m
Caracolas	Equatorial Guinea		3° 44' 59" N 8° 46' 13" E	

Carcura (see Kurkurah)	Libya		31° 25' 35" N 20° 01' 40" E	18 m
Cares	South Africa		25° 40' 00" S 28° 15' 00" E	
Cargados Carajos depencency	Mauritius			
Carion (see Nandihizana), 30 km E Tananarive	Madagascar		18° 54' 00" S 47° 43' 00" E	915 m
Carnarvon, 62 km W (see Farm Goraas FrQ 2.9)	South Africa		31° 11' 00" S 21° 32' 00" E	
Carolina	South Africa		26° 04' 09" S 30° 06' 54" E	1788 m
Carrière Baya (see Baya quarry), 30 km S Lubumbashi	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
Carrière Pierkat (see Baya quarry)	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
Carrington Heights	South Africa		29° 52' 59" S 30° 58' 01" E	
Cartago (see Carthage)	Tunisia		36° 51' 15" N 10° 19' 49" E	0 m
Carter's Nurseries	South Africa			
Carthage (see also: Cartago, Qartajannah)	Tunisia		36° 51' 15" N 10° 19' 49" E	0 m
Cartum (see Al Khartum)	Sudan		15° 35' 17" N 32° 32' 03" E	377 m
Carumba lake	Angola			
Carumbo, lake (see also: Lake Carumba, Lake Carumbo)	Angola		7° 48' 00" S 19° 57' 00" E	850 m
Casablanca prefecture	Morocco			
Casablanca-Settat region	Morocco			
Casano valley (see Kerkeri Shet')	Ethiopia		8° 15' 00" N 37° 29' 00" E	
Cascada Nguelensok, near (see Nguelensok cascade, near)	Equatorial Guinea			
Cascade (River)	Mauritius	ca.	19° 44' 00" S 63° 28' 00" E	
Cascade d'Antanamarina (see Antanamarina cascade)	Madagascar		15° 34' 34" S 46° 52' 09" E	
Cascade de Manantantely (see Manantantely, falls), 5.2 km NW Tolagnaro	Madagascar		24° 59' 21" S 46° 55' 22" E	65 m
Cascade Estate	Seychelle Islands		4° 40' 00" S 55° 30' 00" E	10 m
Cascade Sahanalaotra, near, just outside PN de Ranomafana (see also: Sahanalaotra falls, near)	Madagascar		21° 14' 15" S 47° 23' 52" E	1100 m
Cascades Bou Mazouz, 10 km NW Taourirt	Morocco	ca.	34° 27' 58" N 2° 58' 51" W	
Cascades region	Burkina Faso			
Cascas (see Kaskas)	Senegal		16° 22' 43" N 14° 03' 22" W	13 m
Cascata	São Tomé and Principé			
Cascavelle, along Papayes river/ Rivière du Rempart	Mauritius		20° 17' 43" S 57° 25' 09" E	
Case Msika lodge, near Lake Chicamba	Mozambique		19° 02' 25" S 33° 05' 24" E	
Cassai (see also: Cassai Sul, Tonga)	Angola		10° 35' 00" S 21° 58' 00" E	1053 m
Cassai River (see Rio Kassai), 40 km NE Canear [NF]	Algeria			
Cassai Sul (see Cassai)	Angola		10° 35' 00" S 21° 58' 00" E	1053 m
Cassala (see Kasala)	Sudan		15° 27' 21" N 36° 23' 56" E	531 m
Cassoalaba (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Cassoalala (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Cassoalalla (see also: Cassoalaba, Cassoalala, Cassoalalla, Cassualala, Kassualala, Kateba)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Cassoalalla (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Cassualala (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Catambica (see Catandica)	Mozambique		18° 03' 27" S 33° 10' 25" E	620 m
Catandica (see also: Catambica, Vila Gouveia, Vila Goveia)	Mozambique		18° 03' 27" S 33° 10' 25" E	620 m
Cataract of the Wild Ass (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
Catarata Roacana (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	3350 ft
Catarata Ruacaná (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	3350 ft
Cataratas de Ruacaná (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	3350 ft
Catchpole's Farm, Irumu-Bunia road	Congo (Democratic Republic of the)	ca.	1° 28' 04" N 30° 03' 36" E	1280 m
Catete (see also: Katete)	Angola		9° 07' 48" S 13° 37' 48" E	
Cathcart	South Africa		32° 18' 00" S 27° 08' 00" E	1168 m
Catió	Guinea-Bissau		11° 17' 00" N 15° 15' 00" W	0 m
Cato Ridge	South Africa		29° 41' 49" S 30° 38' 01" E	807 m
Cato Ridge, 3 km NE	South Africa		29° 44' 00" S 30° 35' 00" E	ca. 800 m
Catonou (see Cotonou)	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Catumbela (see also: Asseiceira, Catumbella, Katumbela)	Angola		12° 25' 53" S 13° 32' 50" E	93 m
Catumbella (see Catumbela)	Angola		12° 25' 53" S 13° 32' 50" E	93 m
Causse de Namoroka (see Namoroka)	Madagascar		16° 24' 00" S 45° 17' 00" E	80 m
Cavally region	Côte d'Ivoire			
Cave C.8.1 (see Mbanza-Ngungu), near Mbanza-Ngungu	Congo (Democratic Republic of the)	ca.	5° 15' 00" S 14° 52' 00" E	
Cave C.8.2, near Mbanza-Ngungu	Congo (Democratic Republic of the)	ca.	5° 15' 00" S 14° 52' 00" E	

Cave of Death (see Irene), Pretoria	South Africa		25° 52' 08" S 28° 12' 59" E	1469 m
Cavendish	South Africa		29° 53' 49" S 30° 54' 48" E	
Caverne de Wacoumbas (see Wacoumbas cave)	Kenya			
Caverne Trois Bras (see Trois Bras cave)	Mauritius		20° 01' 26" S 57° 38' 00" E	45 m
Caves of Manandona, high on mountain side	Madagascar		20° 03' 00" S 47° 04' 00" E	6600 ft
CDC Banana Research Station, 16 km N Buéa (see also: Buéa, 16 km N)	Cameroon		4° 09' 00" N 9° 13' 00" E	
CDC Rest House (see Victoria)	Cameroon		4° 00' 00" N 9° 12' 00" E	
CE Ltd., cave, 20 mi SW Lusaka (see also: Lusaka, 20 mi [=32 km] SW)	Zambia			
Ceasar's Beach (see Monrovia)	Liberia		6° 18' 38" N 10° 48' 17" W	0 m
Cedarberg [Farmstead] (see Sederberg [Farmstead])	South Africa		32° 30' 00" S 19° 16' 00" E	
Cederberg [Farmstead] (see Sederberg [Farmstead])	South Africa		32° 30' 00" S 19° 16' 00" E	
Ceelbuur (see also: El-Bur)	Somalia		4° 41' 00" N 46° 37' 00" E	152 m
Cel I (see Bagbele)	Congo (Democratic Republic of the)		4° 21' 00" N 29° 17' 00" E	742 m
Cel II (see also: Cellule II)	Congo (Democratic Republic of the)	ca.	3° 55' 00" N 29° 22' 00" E	
Cella (see also: Sella)	Burkina Faso		11° 37' 00" N 0° 22' 00" W	228 m
Cella, 1 km N (see also: Sella, 1 km N)	Burkina Faso		11° 38' 00" N 0° 22' 00" W	ca. 230 m
Cellule I (see Bagbele)	Congo (Democratic Republic of the)		4° 21' 00" N 29° 17' 00" E	742 m
Cellule II (see Cel II)	Congo (Democratic Republic of the)		3° 55' 00" N 29° 25' 00" E	
Central (former) province	Kenya			
CentrPC:MA|)	Eritrea			
Central (former) region	Malawi			
Central Africa	Central Africa			
Central African Republic (see also: Oubangui Chari)	Central African Republic			
Central Darfur state	Sudan			
Central district (see Ngaka Modiri Molema district)	South Africa			
Central district	Botswana			
Central Elgon, 21 mi [=34 km] from Kitale (see also: Kitale, 21 mi [=34 km] from)	Kenya		1° 05' 00" N 34° 45' 00" E	1981 m
Central Elgon East	Kenya		1° 05' 00" N 34° 40' 00" E	1890 m
Central Equatoria state (see also: Bahr al Jabal state |PC:BG|)	South Sudan			
Central Island	Kenya		3° 30' 00" N 36° 05' 00" E	
Central island	Kenya		3° 30' 00" N 36° 02' 00" E	381 m
Central Kalahari Game Reserve	Botswana			
Central Karoo district	South Africa			
Central Mpwapwa	Tanzania		6° 40' 00" S 36° 25' 00" E	
Central province	Zambia			
Central region (see also: West Mengo)	Uganda			
Central region	Ghana			
CentrPC:ZO|)	Benin			
Central River region (see also: MacCarthy Island region |PC:MC|)	The Gambia			
Centrale region	Togo			
Centre d'Aoufous (see Aoufous), Tafilatt	Morocco		31° 41' 20" N 4° 10' 40" W	881 m
Centre National de Recherches Océanographiques, 1.(km E Hell-Ville (see also: Hell-Ville, 1.5 km E)	Madagascar	ca.	13° 24' 00" S 48° 16' 00" E	
Centre ORSTOM (see Brazzaville)	Congo		4° 15' 33" S 15° 17' 05" E	155 m
Centre region	Cameroon			
Centre region	Burkina Faso			
Centre-Est region	Burkina Faso			
Centre-Nord region	Burkina Faso			
Centre-Ouest region	Burkina Faso			
Centre-Sud region	Burkina Faso			
Centro Sur province	Equatorial Guinea			
Centurion (see also: Verwoerburg, Verwoerdburg)	South Africa		25° 52' 28" S 28° 10' 14" E	1443 m
Cercle d'Anécho (see Préfecture d'Aného)	Togo		6° 22' 00" N 1° 40' 00" E	
Cercle de Bambao (see Bambao)	Comoro Islands		12° 11' 56" S 44° 31' 06" E	19 m
Cercle de Bassari (see Préfecture de Bassar)	Togo		9° 15' 00" N 0° 45' 00" E	
Cercle de Dapango (see Préfecture de Tone)	Togo		10° 55' 00" N 0° 10' 00" E	
Ceres (see Ceres Peak), Mitchell's Pass	South Africa		33° 23' 00" S 19° 16' 00" E	
Ceres Peak, Mitchell's Pass (see also: Ceres)	South Africa		33° 23' 00" S 19° 16' 00" E	
Ceres, near	South Africa	ca.	33° 22' 00" S 19° 19' 00" E	ca. 500 m

Cess River, W	Liberia			
Cette Cama (see Setté Cama)	Gabon		2° 32' 00" S 9° 45' 00" E	0 m
Ch'amo Hayk'	Ethiopia		5° 50' 00" N 37° 33' 00" E	
(see also: Chama, lake, Chamo, lake, Ciamò, lago, Gangiule, Lake Chama, Lake Chamo, Lake Ruspoli, Lake Shamo, Ruspoli, lake, Shamo, lake)				
Chá Cassau (see Elias Garcia), 150 km SSE Dundo	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Chad	Chad			
Chad, lake	Chad, lake	ca.	13° 20' 00" N 14° 10' 00" E	
(see also: Lac Tchad, Lake Chad, Lake Tchad, Tchad, lac, Tsad, Tschad)				
Chaegga (see Bordj de Chegga), 51 km S from Biskra	Algeria		34° 25' 00" N 5° 56' 00" E	3 m
Chagwa dam	Malawi		15° 21' 00" S 35° 20' 00" E	
Chah Moslem, Persian Gulf and Sea of Oman Coastal	Iran	ca.	26° 44' 00" N 54° 35' 00" E	
Chai camp	Tanzania			
Chai Chai (see Xai-Xai), Maputo, 200 km N	Mozambique		25° 03' 07" S 33° 38' 39" E	9 m
Chake Chake	Tanzania		5° 15' 00" S 39° 46' 00" E	1 m
(see also: Chakechake, Chaki Chaki)				
Chakechake (see Chake Chake)	Tanzania		5° 15' 00" S 39° 46' 00" E	1 m
Chaki Chaki (see Chake Chake)	Tanzania		5° 15' 00" S 39° 46' 00" E	1 m
Chalamni, 30 mi [=48 km] E Torit	South Sudan		4° 29' 31" N 32° 54' 55" E	1110 m
(see also: Torit, 30 mi [=48 km] E)				
Chale plateau (see Shimba hills)	Kenya		4° 13' 00" S 39° 25' 00" E	
Chalet 1	South Africa		29° 28' 00" S 30° 23' 00" E	
Chalia, mount (see Challa, mount), 20 km NE Afallo	Ethiopia		5° 23' 00" N 36° 34' 00" E	2100 m
Challa, mount, 20 km NE Afallo	Ethiopia		5° 23' 00" N 36° 34' 00" E	2100 m
(see also: Afallo, 20 km NE, Chalia, mount, Gebel Challa, Mount Chalia, Mount Challa)				
Chama, lake (see Ch'amo Hayk')	Ethiopia		5° 50' 00" N 37° 33' 00" E	
Chamatema Dam	Zimbabwe	ca.	22° 20' 00" S 31° 06' 00" E	
Chambaire Nursery, 10.4 km NNE Barberton	South Africa		25° 42' 11" S 30° 58' 39" E	675 m
(see also: Barberton, 10.4 km NNE)				
Chambezi	Zambia		11° 00' 00" S 31° 30' 00" E	
Chambi (see Bordj Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Chamle, primary school	Comoro Islands		11° 26' 41" S 43° 16' 01" E	108 m
Chamo, lake (see Ch'amo Hayk')	Ethiopia		5° 50' 00" N 37° 33' 00" E	
Chamo, NE of lake	Ethiopia		5° 58' 00" N 37° 55' 00" E	
Chamo, S bank of lake	Ethiopia		5° 50' 00" N 37° 32' 00" E	
Chanda (see Chandra), primary school	Comoro Islands		12° 11' 42" S 44° 27' 53" E	588 m
Chandege	Tanzania		1° 31' 00" S 33° 48' 00" E	1133 m
Chandlers Falls (see Chanlers Falls)	Kenya		0° 47' 00" N 38° 05' 00" E	
Chandler's Falls (see Chanlers Falls)	Kenya		0° 47' 00" N 38° 05' 00" E	
Chandra, primary school	Comoro Islands		12° 11' 42" S 44° 27' 53" E	588 m
(see also: Chanda)				
Changalane	Mozambique		26° 17' 29" S 32° 11' 23" E	94 m
(see also: Estatuane)				
Chanlers Falls	Kenya		0° 47' 00" N 38° 05' 00" E	
(see also: Chandlers Falls, Chandler's Falls)				
Chano, 11 km N Arba Minch, W shore of Lake Abaya	Ethiopia	ca.	6° 07' 00" N 37° 34' 00" E	1206 m
Chaouèn (see Chefchaoune), Rif	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Chaouen prefecture (see Chechaouen prefecture)	Morocco			
Chaouia - Ouardigha (former) region	Morocco			
Chappal Waddi (see Ouadé, Tchabal)	Nigeria		7° 02' 00" N 11° 43' 00" E	1900 m
Chari delta	Chad	ca.	13° 00' 00" N 15° 00' 00" E	
Chari-Baguirmi region	Chad			
Charter's Creek, W shores Lake St. Lucia	South Africa		28° 12' 00" S 32° 24' 50" E	20 m
Chartwell, Johannesburg	South Africa		26° 00' 00" S 27° 58' 00" E	1351 m
Chase Valley, Pietermaritzburg	South Africa		29° 34' 00" S 30° 22' 00" E	798 m
(see also: Chase Valley Heights)				
Chase Valley Heights (see Chase Valley)	South Africa		29° 34' 00" S 30° 22' 00" E	
Chatsworth	South Africa		29° 55' 07" S 30° 53' 30" E	
(see also: Chatsworth 1, Chatsworth Indian Township)				
Chatsworth 1 (see Chatsworth)	South Africa		29° 55' 07" S 30° 53' 30" E	
Chatsworth Indian Township (see Chatsworth)	South Africa		29° 55' 07" S 30° 53' 30" E	
Chauen (see Chefchaoune), Rif	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Chavuma area, Zambezi [=Balovale] district,	Zambia		13° 04' 00" S 22° 41' 00" E	
Chaw Bahir	Ethiopia		4° 40' 00" N 36° 45' 00" E	
Chechaouèn (see Chefchaoune), Rif	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Chechaouen prefecture	Morocco			
(see also: Chaouen prefecture, Chefchaouen province)				
Chechaouene (see Chefchaoune), Rif	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Chefchaouen province (see Chechaouen prefecture)	Morocco			
Chefchaouen, 5 km E (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m

Chefchaouen, 5 km NW (see Caotina)	Morocco		35° 11' 44" N 5° 18' 32" W	508 m
Chefchaouen, 6 km SW (see Derdara)	Morocco		35° 06' 37" N 5° 17' 25" W	381 m
Chefchaouen, 8 km from (see Laachaich)	Morocco		35° 10' 00" N 5° 16' 00" W	
Chefchaoune, Rif (see also: Chaouèn, Chauen, Chechaouèn, Chechaouene, Chichaouene, Ech Chaouene, Scheschauen, Ville de Chechaouèn, Xauen, Xexauen)	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Chegga (see Bordj de Chegga), 51 km S from Biskra	Algeria		34° 25' 00" N 5° 56' 00" E	3 m
Chelinda (see also: Chilinda Camp)	Malawi		10° 35' 00" S 33° 48' 00" E	2300 m
Chelmsford Nature Reserve, 30 km S Newcastle (see also: Newcastle, 30 km S)	South Africa		27° 57' 54" S 29° 55' 18" E	1253 m
Chelston, 2 mi [=3.2 km] N	Zambia		15° 21' 00" S 28° 23' 00" E	
Chembeshi River, Kasama	Zambia		10° 20' 00" S 31° 58' 00" E	4000 ft
Chemelil (see also: Chemilil)	Kenya		0° 06' 00" S 35° 07' 00" E	
Chemezi	Mozambique		18° 53' 20" S 33° 03' 02" E	
Chemfos mine (see Langebaanweg)	South Africa		32° 58' 00" S 18° 09' 00" E	56 m
Chemilil (see Chemelil)	Kenya		0° 06' 00" S 35° 07' 00" E	
Chemtou (see Shimtu), 17 km W Jendouba	Tunisia		36° 29' 00" N 8° 35' 00" E	158 m
Chemtou Ance (see Shimtu), 17 km W Jendouba	Tunisia		36° 29' 00" N 8° 35' 00" E	158 m
Cheno	Ethiopia		9° 42' 03" N 39° 54' 30" E	1369 m
Chep Tulel (see Cheptulel)	Kenya		1° 01' 00" N 35° 01' 01" E	
Chepnyalil Cave	Kenya		1° 03' 39" N 34° 45' 30" E	2419 m
Cheptulel (see also: Chep Tulel)	Kenya		1° 01' 00" N 35° 01' 01" E	
Chepundu River	Zambia		13° 00' 00" S 31° 00' 00" E	4800 ft
Cherangani	Kenya			
Cherangani (see Cherangany), 15 mi [=24 km] SE Kitale	Kenya		0° 59' 00" N 35° 10' 00" E	1890 m
Cherangani Hills (see also: Cherangani Mountains)	Kenya		1° 15' 00" S 35° 27' 00" E	
Cherangani Mountains (see Cherangani Hills)	Kenya		1° 15' 00" S 35° 27' 00" E	
Cherangany, 15 mi [=24 km] SE Kitale (see also: Cherangani, Kitale, 15 mi [=24 km] SE)	Kenya		0° 59' 00" N 35° 10' 00" E	1890 m
Chercha, 8 km S (see Dorse)	Ethiopia		6° 16' 00" N 37° 33' 00" E	2923 m
Chercher mountains	Ethiopia			
Cheren (see Keren)	Eritrea		15° 46' 40" N 38° 27' 29" E	1590 m
Cheringoma caves, E of Gorongosa National Park	Mozambique		18° 33' 53" S 34° 52' 19" E	
Cheringoma plateau	Mozambique	ca.	18° 37' 30" S 34° 44' 24" E	
Chester, Farm 235 (see Farm Chester 235), dam on Blyde River	South Africa		24° 35' 00" S 30° 47' 00" E	
Chete	Zimbabwe			
Chete Safari Area, Eastern Section	Zimbabwe		17° 22' 00" S 27° 37' 00" E	
Chett Angolan border, 13 km N	Angola		17° 40' 42" S 22° 36' 53" E	1201 m
Cheurfas, Barrages des	Algeria		35° 24' 00" N 0° 15' 00" W	
Chewore/Zambezi Confluence	Zimbabwe		15° 37' 30" S 29° 52' 30" E	
Chibambo (see Shibambo)	Congo (Democratic Republic of the)		10° 18' 00" S 28° 37' 00" E	928 m
Chibembe pontoon, 1/2 mi [=0.8 km] S	Zambia		12° 46' 00" S 32° 04' 00" E	
Chibero, 5 km NNW (see Tetse fly gate), Kariba district, Kanyati Communial land	Zimbabwe			
Chibiribira Falls (see Chivirira Falls)	Zimbabwe		21° 12' 00" S 32° 18' 00" E	
Chichaoua, Rif (see also: Chichaua, Mzala Chichaoua)	Morocco		31° 32' 40" N 8° 45' 58" W	322 m
Chichaoua prefecture	Morocco			
Chichaoua, 20 km S, Rif	Morocco	ca.	31° 30' 00" N 8° 47' 00" W	
Chichaouene (see Chefchaoune), Rif	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Chichaua (see Chichaoua), Rif	Morocco		31° 32' 40" N 8° 45' 58" W	322 m
Chicona, 14 mi [=22.5 km] ESE	Mozambique			
Chiconi (see Chikoni)	Comoro Islands		12° 17' 09" S 43° 37' 54" E	81 m
Chief Chitanda	Zambia			
Chief Chlawa's	Zambia		15° 37' 12" S 29° 22' 12" E	
Chiffa, gorges de la (see Gorges de la Chiffa)	Algeria		36° 24' 00" N 2° 46' 00" E	
Chifumbaze	Simba country			
Chigubo Administrative Poste	Mozambique		22° 49' 45" S 33° 31' 26" E	91 m
Chihalatan cave, 38.2 km W Inhassoro (see also: Inhassoro, 38.2 km W)	Mozambique		21° 40' 16" S 34° 51' 50" E	
Chikapa (see Tshikapa)	Congo (Democratic Republic of the)		6° 25' 00" S 20° 48' 00" E	485 m
Chikoni (see also: Chiconi)	Comoro Islands		12° 17' 09" S 43° 37' 54" E	81 m
Chikore	Zimbabwe			
Chikundulu river (see also: Shikundulu river)	Zambia		12° 57' 00" S 24° 14' 00" E	

Chikupo cave, 10 km SSW Bindura (see also: Bindura, 10 km SSW, Chikupo caves area, Chikupu caves)	Zimbabwe		17° 23' 00" S 31° 17' 00" E	
Chikupo cave, 19 km W	Zimbabwe		17° 24' 00" S 31° 19' 00" E	
Chikupo caves area (see Chikupo cave)	Zimbabwe		17° 35' 00" S 31° 35' 00" E	
Chikupu caves (see Chikupo cave), 10 km SSW Bindura	Zimbabwe		17° 23' 00" S 31° 17' 00" E	
Chikwa	Zambia		11° 40' 00" S 32° 47' 00" E	900 m
Chikwarakwara [school] (see also: Chikwarakwara Irrigation Scheme)	Zimbabwe		22° 18' 00" S 31° 06' 00" E	
Chikwarakwara Irrigation Scheme (see Chikwarakwara [school])	Zimbabwe		22° 18' 00" S 31° 06' 00" E	
Chikwawa	Malawi		16° 03' 00" S 34° 48' 00" E	94 m
Chikwawa camp (see Camp Chikwawa)	Malawi		16° 13' 00" S 34° 44' 00" E	
Chikwawa district	Malawi			
Chilanga, 10 mi S Lusaka (see also: Lusaka, 10 mi [=16 km] S)	Zambia		15° 33' 00" S 28° 17' 00" E	1220 m
Chilanga cave	Zambia		15° 33' 00" S 28° 16' 12" E	
Chilanga Caves	Zambia		15° 33' 00" S 28° 16' 00" E	
Chilanga Intensive Conservation Area (see Chilanga West Intensive Conservation Area)	Zambia		15° 35' 00" S 28° 10' 00" E	
Chilanga Nature Reserve (see Chilanga West Intensive Conservation Area)	Zambia		15° 35' 00" S 28° 10' 00" E	
Chilanga West Intensive Conservation Area (see also: Chilanga Intensive Conservation Area, Chilanga Nature Reserve)	Zambia		15° 35' 00" S 28° 10' 00" E	
Chileka	Malawi		15° 41' 00" S 34° 56' 00" E	
Chilinda Camp (see Chelinda)	Malawi		10° 35' 00" S 33° 48' 00" E	2300 m
Chilinda dam	Malawi		10° 35' 18" S 33° 48' 40" E	
Chilinda dam 2, below	Malawi		10° 34' 50" S 33° 48' 29" E	
Chilmangiaro (see Mount Kilimanjaro)	Tanzania		3° 04' 00" S 37° 22' 00" E	4500 ft
Chilomo Hill (see also: Chiromo Hill, Chirozo Hill)	Zambia	ca.	12° 50' 26" S 31° 22' 03" E	
Chimala	Tanzania		8° 51' 00" S 34° 01' 00" E	1200 m
Chimanda CL (see Chimanda Tribal Trust Land), Mazoe River	Zimbabwe		16° 40' 00" S 32° 15' 00" E	
Chimanda Reserve (see Chimanda Tribal Trust Land), Mazoe River	Zimbabwe		16° 40' 00" S 32° 15' 00" E	
Chimanda Tribal Trust Land, Mazoe River (see also: Chimanda CL, Chimanda Reserve)	Zimbabwe		16° 40' 00" S 32° 15' 00" E	
Chimanimani National Park	Zimbabwe		19° 55' 00" S 33° 01' 00" E	
Chimombi (see Nsanje), District HQ	Malawi		16° 55' 00" S 35° 16' 00" E	14 m
Chimonzo	Mozambique		24° 56' 54" S 33° 17' 30" E	81 m
Chimpeni Estate (see Chipeni Farm), Old Farmhouse	Malawi		15° 24' 00" S 35° 25' 00" E	750 m
Chimpini Farm (see Mpyupyu Prison Farm)	Malawi		15° 22' 00" S 35° 27' 00" E	717 m
Chimsoro Cave (see Munyati)	Zimbabwe		18° 39' 00" S 29° 47' 00" E	1064 m
Chinchoxo	Angola	ca.	5° 04' 00" S 12° 02' 00" E	
Chindamore Native Reserve (see Masembura Tribal Trust Land)	Zimbabwe		17° 25' 00" S 31° 15' 00" E	
Chingamwe Estates, Eastern Highlands, 15 km SE Juliesdale (see also: Juliesdale, 15 km SE)	Zimbabwe		18° 29' 00" S 32° 44' 00" E	
Chingi, Chavuma, near	Zambia		13° 01' 00" S 22° 44' 00" E	1094 m
Chinguni Resthouse	Malawi		15° 02' 00" S 35° 16' 00" E	
Chingwe's Hole	Malawi		15° 20' 00" S 35° 16' 00" E	1800 m
Chinhoyi, 70 mi W Salisbury (see also: Chinoyi, Sinoia)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Chinhoyi Caves, Chinhoyi (see also: Chinoyi Caves, Orchid Cave, Sinoia Caves)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Chinhoyi, 10 mi [=16 km] N(W) (see Baruka cave)	Zimbabwe		17° 22' 12" S 30° 04' 48" E	
Chiniyka Bay, Lake Tanganyika	Zambia		8° 31' 00" S 30° 40' 00" E	
Chinizuia Forest	Mozambique		18° 58' 38" S 35° 03' 20" E	
Chinkolobwe (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Chino Timba (see Victoria Falls), Dibutibu River, Batoka	Zimbabwe		17° 55' 00" S 25° 51' 00" E	
Chinoyi (see Chinhoyi)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Chinoyi Caves (see Chinhoyi Caves)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Chinteche (see Chintheche)	Malawi		11° 50' 00" S 34° 10' 00" E	482 m
Chintechi (see Chintheche)	Malawi		11° 50' 00" S 34° 10' 00" E	482 m
Chinteji (see Chintheche)	Malawi		11° 50' 00" S 34° 10' 00" E	482 m
Chintheche (see also: Chinteche, Chintechi, Chinteji)	Malawi		11° 50' 00" S 34° 10' 00" E	482 m
Chinunka, 1.6 km SE	Malawi		9° 39' 28" S 33° 22' 32" E	1210 m
Chinzombo	Zambia		13° 07' 00" S 31° 46' 00" E	
Chipanzi	Malawi			

Chipata	Zambia		13° 38' 00" S 32° 39' 00" E	1212 m
(see also: Fort Jameson)				
Chipata Camp	Malawi		13° 04' 00" S 33° 55' 00" E	1350 m
(see also: Chipata Hill)				
Chipata district	Zambia		13° 30' 00" S 32° 10' 00" E	
(see also: Fort Jameson district)				
Chipata Hill (see Chipata Camp)	Malawi		13° 04' 00" S 33° 55' 00" E	1350 m
Chipengali area	Zambia		13° 07' 30" S 32° 52' 30" E	
Chipeni Farm	Malawi		15° 24' 00" S 35° 25' 00" E	750 m
(see also: Chimpeni Estate)				
Chiperone, mount (see Mount Chiperone)	Mozambique		16° 30' 25" S 35° 43' 33" E	
Chipinda Pools	Zimbabwe		21° 18' 00" S 31° 56' 00" E	
Chipinga (see Chipinge)	Zimbabwe		20° 12' 00" S 32° 37' 00" E	1015 m
Chipingayi Bridge, Save Valley	Zimbabwe		20° 07' 00" S 32° 22' 00" E	
Chipinge	Zimbabwe		20° 12' 00" S 32° 37' 00" E	1015 m
(see also: Chipinga)				
Chipise (see Tshipise)	South Africa		22° 36' 00" S 30° 10' 00" E	501 m
Chipise, 1 mi [=1.6 km] NE (see Tshipise, 1 mi [=1.6 km] NE)	South Africa	ca.	22° 36' 00" S 30° 10' 00" E	
Chipita (see Chitipa)	Malawi		9° 43' 00" S 33° 16' 00" E	1242 m
Chipongwe	Zambia		15° 39' 00" S 28° 16' 00" E	1090 m
(see also: Chipongwe West)				
Chipongwe Cave, 18 mi [=29 km] S Lusaka; between Lusaka and Kafue	Zambia		15° 41' 00" S 28° 14' 00" E	
(see also: Chiponque Cave)				
Chipongwe West (see Chipongwe)	Zambia		15° 39' 00" S 28° 16' 00" E	1090 m
Chiponque Cave (see Chipongwe Cave)	Zambia		15° 41' 00" S 28° 14' 00" E	
Chiradzulu district	Malawi			
Chiredzi, Buffalo Range	Zimbabwe		21° 03' 00" S 31° 40' 00" E	437 m
Chiredzi, 24 km E	Zimbabwe		21° 03' 00" S 31° 46' 00" E	
Chirfa	Niger		20° 57' 12" N 12° 20' 26" E	601 m
Chirfa Driga	Niger		20° 57' 12" N 12° 20' 26" E	601 m
Chiribira Falls (see Chivirira Falls)	Zimbabwe		21° 12' 00" S 32° 18' 00" E	
Chirinda	Zimbabwe		19° 05' 55" S 31° 40' 49" E	
Chirinda Forest, Mount Silinda	Zimbabwe		20° 26' 00" S 32° 42' 00" E	
Chirinda Pools	Zimbabwe		21° 22' 30" S 31° 52' 30" E	
Chirisa Cave (see Chitisa Cave)	Zimbabwe		17° 41' 00" S 28° 24' 00" E	
Chirisa Game Reserve	Zimbabwe		17° 55' 00" S 28° 15' 00" E	
(see also: Chirisa Safari Area)				
Chirisa Safari Area (see Chirisa Game Reserve)	Zimbabwe		17° 55' 00" S 28° 15' 00" E	
Chiromo, confluence of Ruo and Shire rivers, Nsanje	Malawi		16° 33' 00" S 35° 08' 00" E	42 m
Chiromo Hill (see Chilomo Hill)	Zambia	ca.	12° 50' 26" S 31° 22' 03" E	
Chiromo, 4 km SW (see Bangula swamp)	Malawi		16° 35' 00" S 35° 07' 00" E	
Chiromo, mount	Malawi	ca.	16° 32' 00" S 35° 09' 00" E	200 ft
(see also: Mount Chiromo)				
Chirove primary school (see Pomoni)	Comoro Islands		12° 16' 15" S 44° 23' 52" E	0 m
Chirozo Hill (see Chilomo Hill)	Zambia	ca.	12° 50' 26" S 31° 22' 03" E	
Chisakila Area	Zambia	ca.	15° 54' 00" S 28° 41' 00" E	
Chisenga	Zambia		12° 38' 00" S 30° 54' 00" E	
Chishela dambo, Mporokoso district	Zambia		10° 43' 00" S 29° 13' 00" E	
Chisimaio (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Chisimayu (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Chisombo	Zambia		13° 07' 30" S 31° 52' 30" E	
Chissonque	Angola		11° 05' 00" S 17° 15' 00" E	3650 ft
Chita, 1.7 km N, 3.5 km W	Tanzania		8° 30' 20" S 35° 54' 30" E	910 m
Chita, 3 km N (see Udzungwa Scarp forest reserve)	Tanzania		8° 31' 00" S 35° 56' 00" E	
Chita, 4.5 km W	Tanzania		8° 31' 10" S 35° 54' 15" E	600 m
Chitabe, Gomoti river, Okavango delta	Botswana		19° 39' 30" S 23° 22' 07" E	950 m
Chitado (see Khitado)	Angola		17° 19' 00" S 13° 55' 00" E	869 m
Chitala	Malawi		13° 40' 00" S 34° 16' 00" E	608 m
(see also: Chitale)				
Chitala River	Malawi		13° 35' 39" S 34° 26' 23" E	1900 ft
Chitale (see Chitala)	Malawi		13° 40' 00" S 34° 16' 00" E	608 m
Chitau	Zambia		13° 05' 00" S 22° 43' 00" E	1052 m
Chitau	Angola		11° 25' 00" S 17° 09' 00" E	1503 m
Chitengo Camp	Mozambique		18° 58' 44" S 34° 21' 05" E	
Chitipa	Malawi		9° 43' 00" S 33° 16' 00" E	1242 m
(see also: Chipita, Chitipa Township, Fort Hill)				
Chitipa district	Malawi			
Chitipa Township (see Chitipa)	Malawi		9° 43' 00" S 33° 16' 00" E	1242 m
Chitisa Cave	Zimbabwe		17° 41' 00" S 28° 24' 00" E	
(see also: Chirisa Cave)				
Chitove Tsetse Camp	Zimbabwe		21° 07' 30" S 32° 07' 30" E	
Chitu (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m

Chiumbe River, tributary of Kasai river (see also: Tshiumbe River, Tyhumbwe River, Tyihumbwe River)	Angola		12° 26' 00" S 20° 48' 00" E	
Chiúta (see Aldeia Chiuta)	Mozambique		15° 33' 44" S 33° 17' 23" E	800 m
Chivi Communal Land (see Chivi District)	Zimbabwe		20° 30' 00" S 30° 35' 00" E	
Chivi District (see also: Chivi Communal Land)	Zimbabwe		20° 30' 00" S 30° 35' 00" E	
Chivirira Falls (see also: Chibiribira Falls, Chiribira Falls)	Zimbabwe		21° 12' 00" S 32° 18' 00" E	
Chiwore Safari Area	Zimbabwe		16° 07' 30" S 30° 07' 30" E	
Chizarira Game Reserve (see also: Chizarira National Park)	Zimbabwe		17° 47' 00" S 27° 53' 00" E	
Chizarira National Park (see Chizarira Game Reserve)	Zimbabwe		17° 47' 00" S 27° 53' 00" E	
Chizarira-Mcheni Gorge	Zimbabwe		17° 36' 00" S 27° 50' 00" E	
Chizela, Kasempa district (see also: Chizera)	Zambia		13° 08' 00" S 25° 00' 00" E	1179 m
Chizera (see Chizela), Kasempa district	Zambia		13° 08' 00" S 25° 00' 00" E	1179 m
Chlef province	Algeria			
Chobe district (see also: Kasane county)	Botswana			
Chobe National Park	Botswana			
Chobe River Farm (see Katima Mulilo), Katima Mulilo, Kabuta Village	Namibia		17° 30' 00" S 24° 16' 00" E	803 m
Chokwe, Limpopo Bridge	Mozambique		24° 24' 21" S 32° 52' 54" E	
Chole island	Tanzania		7° 58' 36" S 39° 45' 39" E	
Chole Shamba (see Mafia island)	Tanzania		7° 51' 14" S 39° 46' 49" E	
Cholo (see Thyolo), on Ruo River	Malawi		16° 04' 00" S 35° 08' 00" E	905 m
Cholo, mount (see Thyolo, mount)	Malawi		16° 05' 00" S 35° 09' 00" E	4000 ft
Choma	Zambia		16° 49' 00" S 26° 59' 00" E	1320 m
Choma district	Zambia		16° 40' 00" S 27° 10' 00" E	
Choma, 12 mi [=19 km] NW	Zambia	ca.	16° 40' 56" S 26° 49' 58" E	1234 m
Chome Forest Reserve, 3 km E, 0.7 km N Mhero (see also: Mhero, 3 km E, 0.7 km N, South Pare Mountains)	Tanzania		4° 18' 00" S 37° 58' 00" E	2000 m
Chongoni Forest Reserve	Malawi		14° 18' 07" S 34° 13' 22" E	
Chonja village	Tanzania		4° 57' 02" S 39° 43' 45" E	14 m
Chris Hani district (see also: Barkly East district)	South Africa			
Christian Brothers College (see Aetana)	South Africa		25° 44' 00" S 28° 16' 00" E	
Christiana, 5 km NNE (see Farm Welgedaan 292)	South Africa		27° 42' 00" S 25° 13' 00" E	
Christon Bank	Zimbabwe		17° 36' 00" S 31° 00' 00" E	
Chtouka-Ait Bana prefecture	Morocco			
Chuaka	Tanzania		5° 23' 00" S 39° 47' 00" E	0 m
Chuel, 2 mi [=3.2 km] S Jos	Nigeria		9° 43' 00" N 8° 47' 00" E	
Chugu Peak, near	Tanzania		6° 50' 01" S 36° 34' 19" E	
Chupanga, Zambezi River (see also: Lacerdónia, Shupanga)	Mozambique		18° 01' 16" S 35° 33' 51" E	52 m
Churugwi (see Shurugwi)	Zimbabwe		19° 40' 00" S 30° 00' 00" E	1501 m
Chuta (see Aldeia Chiuta)	Mozambique		15° 33' 44" S 33° 17' 23" E	800 m
Chyulu Hills National Park	Kenya		2° 34' 59" S 37° 49' 59" E	1930 m
Ciamò, lago (see Ch'amo Hayk')	Ethiopia		5° 50' 00" N 37° 33' 00" E	
Cibitoke	Burundi		2° 53' 13" S 29° 07' 29" E	1020 m
Cibitoke province	Burundi			
Cidade de Matola (see Matola)	Mozambique		25° 57' 44" S 32° 27' 32" E	3 m
Cidade de Santo António (see Santo António)	São Tomé and Principé		1° 40' 00" N 7° 25' 00" E	
Cinnabar mine	South Africa		25° 48' 36" S 31° 00' 36" E	
Cinputu (see also: Tschinputu)	Congo (Democratic Republic of the)		5° 22' 00" S 22° 21' 00" E	
Circonscription d'Aného (see Préfecture d'Aného)	Togo		6° 22' 00" N 1° 40' 00" E	
Circonscription de Bassar (see Préfecture de Bassar)	Togo		9° 15' 00" N 0° 45' 00" E	
Circonscription de Bassari (see Préfecture de Bassar)	Togo		9° 15' 00" N 0° 45' 00" E	
Circonscription de Dapango (see Préfecture de Tone) (see also: Tone prefecture)	Togo		10° 55' 00" N 0° 10' 00" E	
Circonscription de Dapaong (see Préfecture de Tone)	Togo		10° 55' 00" N 0° 10' 00" E	
Circonscription de Katcha (see Préfecture de Bassar)	Togo		9° 15' 00" N 0° 45' 00" E	
Circonscription de Klouto (see Préfecture de Kloto)	Togo		7° 05' 00" N 0° 45' 00" E	
Circonscription de Niamtougou (see Préfecture de Doufelgou)	Togo		9° 50' 00" N 1° 05' 00" E	
Circonscription de Notsé (see Préfécture de Haho)	Togo		7° 05' 00" N 1° 15' 00" E	
Circonscription de Nuatja (see Préfécture de Haho)	Togo		7° 05' 00" N 1° 15' 00" E	
Citrusdal	South Africa		32° 36' 00" S 19° 01' 00" E	200 m
Citrusdal, 10 mi [=16 km] N (see Hex River Estates)	South Africa		33° 30' 00" S 19° 35' 00" E	200 m
City of Cape Town district	South Africa			
City of Cut Noses (see Al'Arish)	Egypt		31° 07' 34" N 33° 48' 07" E	33 m
City of Johannesburg district	South Africa			

City of Tshwane district	South Africa			
Ciudad de Ela Nguema, near Malabo (see also: Ela Nguema, Ela Nguena, Elan - Guema, Elanguena, San Fernando)	Equatorial Guinea		3° 45' 00" N 8° 47' 00" E	107 m
Ciudad de Luba (see Luba)	Equatorial Guinea		3° 27' 24" N 8° 33' 17" E	181 m
Ciudad de Malabo (see Malabo)	Equatorial Guinea		3° 45' 04" N 8° 44' 31" E	0 m
Ciudad de Pali (see Palé)	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m
Ciudad de Riaba (see also: Concepcion, La Concepcion, La Conception, Riaba)	Equatorial Guinea		3° 22' 58" N 8° 45' 44" E	104 m
Clairwood Park	South Africa		29° 56' 00" S 30° 58' 00" E	
Clansthal	South Africa		30° 14' 00" S 30° 46' 00" E	
Clanwilliam	South Africa		32° 08' 00" S 18° 57' 00" E	600 m
Clanwilliam, 12 km ENE (see Pakhuis Pass, Kliphuis camp site)	South Africa		32° 08' 10" S 19° 00' 10" E	693 m
Clanwilliam, 18 mi [=29 km] NE (see Traveller's Rest;)	South Africa		32° 04' 00" S 19° 05' 00" E	500 ft
Clanwilliam, 28 km SSE (see Algeria Forestry Station)	South Africa		32° 23' 00" S 19° 04' 00" E	
Clarens	South Africa		28° 28' 00" S 28° 26' 00" E	
Clarens, near	South Africa	ca.	28° 28' 00" S 28° 26' 00" E	
Claret de Batete (see Batete)	Equatorial Guinea		3° 26' 36" N 8° 30' 18" E	285 m
Clearwater, Farm (see Farm Clearwater)	South Africa		31° 16' 00" S 30° 01' 00" E	
Clifford, Farm 287 (see Farm Clifford 287)	South Africa		31° 04' 41" S 27° 26' 58" E	1780 m
Clocolan	South Africa		28° 54' 00" S 27° 34' 00" E	1580 m
Clysma (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
CNRS Lek	Gabon		0° 28' 00" N 12° 48' 00" E	
Cnydas, Farm (see Farm Cnydas), 12 km NW Lutzput	South Africa		28° 22' 00" S 20° 34' 00" E	
Coast (former) province	Kenya			
Coca (see K'ok'a)	Ethiopia		8° 26' 00" N 39° 02' 00" E	1700 m
Coconi	Mayotte		12° 49' 55" S 45° 08' 13" E	90 m
Cocorico River (see Río Ericorico)	Equatorial Guinea	ca.	3° 44' 10" N 8° 49' 34" E	
Cocquilhatville (see Bandaka)	Congo (Democratic Republic of the)		0° 04' 00" N 18° 16' 00" E	306 m
Coetzer's Rust, near Alice	South Africa		32° 47' 00" S 26° 50' 00" E	550 m
Coffee Bar (see Coffee Bay)	South Africa		31° 58' 00" S 29° 09' 00" E	20 m
Coffee Bay (see also: Coffee Bar, Koffiebaai)	South Africa		31° 58' 00" S 29° 09' 00" E	20 m
Coffee Bay, 17.5 km N, 14.4 km E (see Hluleka Nature Reserve)	South Africa		31° 49' 31" S 29° 18' 13" E	10 m
Coffee, mount (see Mount Coffee)	Liberia		6° 29' 19" N 10° 38' 47" W	
Cofole (see Kofele)	Ethiopia		7° 04' 00" N 38° 47' 00" E	2505 m
Coguno	Mozambique		24° 23' 20" S 34° 33' 10" E	53 m
Cohoha, lake (see also: Lac Cohoha, Lake Cohoha)	Burundi		2° 30' 00" S 30° 07' 00" E	
Cole Farm, 6 km from Freetown (see also: Freetown, 6 km from)	Sierra Leone	ca.	8° 30' 00" N 13° 17' 00" W	
Colleen Bawn	Zimbabwe		21° 00' 00" S 29° 13' 00" E	964 m
Collège d'Ouani (see Ouani College)	Comoro Islands		12° 08' 08" S 44° 25' 28" E	20 m
Colline Giserama (see Giserama, colline), Kibira National Park, Ndora Zone	Burundi		2° 50' 27" S 29° 25' 07" E	2045 m
Colline Gitovu (see Gitovu)	Rwanda		2° 19' 00" S 29° 09' 00" E	1649 m
Colline Gosenyi (see Gisenyi)	Rwanda		1° 42' 10" S 29° 15' 23" E	1481 m
Colline Kidaho (see Kidaho)	Rwanda		1° 22' 12" S 29° 44' 33" E	1944 m
Colline Kwogofe (see Kwogofe, colline), Kibira National Park, Ndora Zone	Burundi		2° 50' 00" S 29° 25' 00" E	
Colline Mugogwe (see Mugogwe)	Rwanda		2° 30' 32" S 29° 48' 37" E	
Colline Murunda (see Muhazi)	Rwanda		1° 54' 00" S 29° 22' 00" E	1711 m
Colline Musanze (see Musanze)	Rwanda		1° 28' 57" S 29° 36' 03" E	
Colline Musha (see Musha)	Rwanda		2° 31' 40" S 29° 51' 54" E	
Colline Nyakibanda (see Nyakibanda)	Rwanda		2° 38' 00" S 29° 41' 00" E	2067 m
Colline Nyamata (see Nyamata)	Rwanda		2° 09' 45" S 30° 06' 01" E	
Colline Rubona (see Rubona)	Rwanda		2° 19' 00" S 29° 56' 00" E	1346 m
Colline Shangi (see Shangi)	Rwanda		2° 24' 13" S 29° 00' 21" E	
Colline Shyanda (see Shyanda)	Rwanda		2° 32' 31" S 29° 47' 34" E	1646 m
Collines department	Benin			
Collins Farm, near Atlantica Ecological Research Station	Zimbabwe	ca.	17° 53' 00" S 30° 47' 00" E	
Colobus Circuit 1	Kenya		0° 21' 22" N 34° 51' 41" E	
Colomb Béchar (see Béchar)	Algeria		31° 37' 00" N 2° 13' 00" W	747 m
Coloniesplaats (see Koloniesplaas), 28 mi [=45 km] N Graaff-Reinet	South Africa		31° 59' 34" S 24° 47' 58" E	
Colony peninsula (see Sierrra Leone peninsula)	Sierra Leone		8° 20' 00" N 13° 10' 00" W	
Commisiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa		25° 48' 00" S 27° 14' 00" E	
Commissiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa		25° 48' 00" S 27° 14' 00" E	
Commissiesdrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa		25° 48' 00" S 27° 14' 00" E	

Commissionsdrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa		25° 48' 00" S 27° 14' 00" E	
Committees Drift	South Africa		33° 09' 30" S 26° 49' 25" E	100 m
Committees Drift, 7.2 km S, 5.7 km W (see Farm Kleinpoort (Bd))	South Africa		33° 13' 20" S 26° 46' 16" E	200 m
Como River	Gabon			
Comoé district	Côte d'Ivoire			
Comoé National Park (see also: Forêt Classée et Réserve totale de la faune de Bouna, Komoe National Park, Parc National de Bouna, Parc National de la Comoé, Parc National de la Komoé, Parc National du Komoé, Reserve totale de faune de Bouna)	Côte d'Ivoire		8° 49' 21" N 3° 35' 26" W	
Comoé province	Burkina Faso			
Comoe River	Burkina Faso		9° 57' 00" N 4° 38' 00" W	260 m
Comoro Islands (see also: Comoros)	Comoro Islands			
Comoros (see Comoro Islands)	Comoros			
Compagnies Drif, 10 mi inland Lamberts Bay (see also: Compagnies Drift, Compagniesdrift Farm, Farm Compagniesdrift, Lamberts Bay, 10 mi [=16 km] inland, Lambert's Bay, 4 km S, 14 km E)	South Africa		32° 07' 00" S 18° 27' 00" E	100 m
Compagnies Drift (see Compagnies Drif), 10 mi inland Lamberts Bay	South Africa		32° 08' 00" S 18° 27' 00" E	100 m
Compagniesdrift Farm (see Compagnies Drif)	South Africa		32° 07' 00" S 18° 27' 00" E	100 m
Conakry (see also: Konakri, Konakry)	Guinea		9° 30' 33" N 13° 42' 44" W	0 m
Conakry Island	Guinea	ca.	9° 30' 00" N 13° 40' 00" W	
Conakry prefecture	Guinea			
Concelho (see Mozambique Island)	Mozambique		15° 02' 00" S 40° 44' 00" E	
Concepcion (see Ciudad de Riaba)	Equatorial Guinea		3° 22' 58" N 8° 45' 44" E	104 m
Concession, 10 km NW	Zimbabwe	ca.	17° 23' 00" S 30° 57' 00" E	
Concórdia (see also: Fazenda Concórdia)	Angola		12° 12' 00" S 15° 02' 00" E	1810 m
Conga (see Fazenda Cunga)	Angola		9° 15' 00" S 13° 44' 00" E	46 m
Congo	Congo			
Congo (Democratic Republic of the)	Congo (Democratic Republic of the)			
Congo da Lemba	Congo (Democratic Republic of the)		5° 42' 00" S 13° 40' 00" E	
Congo river, 75 mi [=121 km] up	Congo (Democratic Republic of the)			
Congona (see Kango)	Gabon		0° 09' 00" N 10° 08' 00" E	30 m
Congo-Nil-Aka	Congo (Democratic Republic of the)		4° 34' 00" N 29° 45' 00" E	
Congulu	Angola		10° 52' 48" S 14° 22' 48" E	
Constantine, road between Sétif and Annaba	Algeria		36° 22' 00" N 6° 37' 00" E	626 m
Constantine province	Algeria			
Continental region	Equatorial Guinea			
Contubo-el	Guinea-Bissau		12° 23' 00" N 14° 34' 00" W	
Convalescence (see La Convalescence)	Comoro Islands		11° 45' 18" S 43° 19' 11" E	1787 m
Copperbelt province	Zambia			
Coquilhalville (see Bandaka)	Congo (Democratic Republic of the)		0° 04' 00" N 18° 16' 00" E	306 m
Coquilhatstad (see Bandaka)	Congo (Democratic Republic of the)		0° 04' 00" N 18° 16' 00" E	306 m
Coquilhatville (see Bandaka)	Congo (Democratic Republic of the)		0° 04' 00" N 18° 16' 00" E	306 m
Corisco island (see also: Isla de Corisco, Isla Mandyi)	Equatorial Guinea		0° 54' 57" N 9° 19' 06" E	
Coroca River (see Rio Coroca)	Angola	ca.	13° 42' 00" S 15° 05' 00" E	
Cosrou (see also: Cosru, Kosrou)	Côte d'Ivoire		5° 19' 16" N 4° 39' 41" W	72 m
Cosru (see Cosrou)	Côte d'Ivoire		5° 19' 16" N 4° 39' 41" W	72 m
Costermansstad (see Bukavu)	Congo (Democratic Republic of the)		2° 30' 30" S 28° 51' 39" E	1498 m
Costermansville (see Bukavu)	Congo (Democratic Republic of the)		2° 30' 30" S 28° 51' 39" E	1498 m
Costi (see Kusti)	Sudan		13° 10' 00" N 32° 40' 00" E	380 m
Côte d'Ivoire (see also: Ivory Coast)	Côte d'Ivoire			
Côte d'Or	Ghana			
Côte Est, probablement (see East Coast, probably)	Madagascar			
Côte Français des Somalis (see Djibouti)	Côte Français des Somalis			

Côte occidentale de l'Afrique (see Africa, west coast)	Côte occidentale de l'Afrique			
Cote-Matève, 1 mi [=1.6 km] SE	Congo		4° 52' 03" S 11° 55' 16" E	
Cotonou (see also: Appi, Catonou, Kotonou, Kotonu)	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Cotswold farm, near Kwe Kwe	Zimbabwe		18° 52' 30" S 29° 52' 30" E	
Couffo department	Benin			
Coular (see Koular)	Senegal		13° 41' 00" N 16° 11' 00" W	2 m
Covadonga	Equatorial Guinea		0° 53' 52" N 9° 18' 42" E	ca. 508 m
Covadonga, near	Equatorial Guinea	ca.	0° 53' 52" N 9° 18' 42" E	ca. 508 m
Covane	Mozambique		21° 21' 55" S 33° 56' 15" E	75 m
Cow Shed Royal Farms (see Idfina)	Egypt		31° 17' 37" N 30° 30' 45" E	1 m
Cowies Hill	South Africa		29° 49' 00" S 30° 53' 00" E	
Cowies Hill Park	South Africa		29° 49' 28" S 30° 52' 58" E	322 m
Coya (see Coyah)	Guinea		9° 42' 20" N 13° 22' 37" W	95 m
Coyah, Guinee-Maritime (see also: Coya, Guinee-Maritime, cave, Koya)	Guinea		9° 42' 20" N 13° 22' 37" W	95 m
Coyah prefecture	Guinea			
Cradock, 25 km SE	South Africa	ca.	32° 11' 00" S 25° 37' 00" E	
Cradock, 40 km NW	South Africa	ca.	32° 11' 00" S 25° 37' 00" E	
Craigadam (see Craigadam Farm)	South Africa		27° 30' 17" S 31° 22' 19" E	
Craigadam Farm (see also: Craigadam)	South Africa		27° 30' 17" S 31° 22' 19" E	
Craigieburn [Farmstead], Umkomaas, near	South Africa		29° 54' 00" S 30° 39' 00" E	ca. 148 m
Cranborne Park	Zimbabwe		17° 51' 04" S 31° 04' 43" E	
Crete	Crete			
Cretschna	Cretschna			
Crevettes cave, 15 km S Likasi	Congo (Democratic Republic of the)		10° 58' 00" S 26° 47' 00" E	
Crocodile Bridge Rest Camp (see Krokodilburg)	South Africa		25° 21' 00" S 31° 54' 00" E	
Crocodile bridge, 3 km N (see Gezantombi waterhole)	South Africa		25° 20' 00" S 31° 52' 00" E	
Crocodile cave (see Ambatoharanana cave)	Madagascar		12° 59' 18" S 49° 01' 18" E	20 m
Crocodile River (see Malelane Ranger's Post, 2 km W, on N Bank Crocodile River), 2 km W Malelane Ranger's Post on N Bank	South Africa		25° 29' 00" S 31° 31' 00" E	
Crocodile River Bank, 25.5 km S, 14.7 Km E Brits (see also: Brits, 25.5 km S, 14.7 Km E)	South Africa		25° 51' 00" S 27° 56' 00" E	1225 m
Crocodilopolis (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Cross river state	Nigeria			
Crowborough Sewage Works	Zimbabwe		17° 50' 27" S 30° 56' 02" E	
Crowned Eagle Lodge, below	South Africa		23° 00' 40" S 29° 45' 48" E	1374 m
Crus Dubacus Setache, 5 km N (see Zinave National Park)	Mozambique		21° 07' 30" S 33° 37' 30" E	
Ctaboon, 105 km, Como River (see also: Ctaboon, 70 mi [=113 km])	Gabon		0° 09' 00" N 9° 49' 00" E	
Ctaboon, 112.5 km, Como River (see also: Ctaboon, 75 mi [=121 km])	Gabon			
Ctaboon, 70 mi [=113 km] (see Ctaboon, 105 km), Como River, almost sea-level	Gabon		0° 09' 00" N 9° 49' 00" E	
Ctaboon, 75 mi [=121 km] (see Ctaboon, 112.5 km), Como River	Gabon			
Ctra Evinayong - Aconibe (see Evinayong - Aconibe, between)	Equatorial Guinea	ca.	1° 19' 00" N 10° 45' 00" E	
CuandPC:CC|)	Angola			
CuanzPC:CN|)	Angola			
CuanzPC:CS|)	Angola			
Cubango, Missao de (see Kuvango)	Angola		14° 28' 00" S 16° 18' 00" E	1448 m
Cubango, Missao de (see Kuvango)	Angola		14° 28' 00" S 16° 18' 00" E	1448 m
Cueva Bosacato (see Basacato del Oeste)	Equatorial Guinea		3° 35' 27" N 8° 37' 24" E	252 m
Cueva de Esong (see Moka)	Equatorial Guinea	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Cueva de Ndume (see Ndume cave)	Equatorial Guinea	ca.	1° 18' 20" N 11° 16' 44" E	
Cueva de Ndumu (see Ndume cave)	Equatorial Guinea	ca.	1° 18' 20" N 11° 16' 44" E	
Cueva de Ndumun (see Ndume cave), 35 km from Nsork	Equatorial Guinea	ca.	1° 18' 20" N 11° 16' 44" E	
Cueva Moro (see Moka)	Equatorial Guinea	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Cueva Nzas (see Nzas cave)	Equatorial Guinea	ca.	1° 18' 35" N 10° 58' 17" E	
Cueva Santa Ana (see Santana Island, cave on)	São Tomé and Principé		0° 14' 29" N 6° 45' 32" E	
Cuevas de los murciélagos (see also: Cuevas de Marcos)	Canary Islands (Spain)		28° 45' 45" N 17° 50' 24" W	
Cuevas de Marcos (see Cuevas de los murciélagos)	Canary Islands (Spain)		28° 45' 45" N 17° 50' 24" W	
Cuevas d'Hércules (see Grottes d'Hercule)	Morocco		35° 45' 21" N 5° 56' 16" W	
Cuf National Park (see Kuf National Park)	Libya		32° 18' 00" N 20° 25' 00" E	
Cuf, Uádi el (see Wadi al Kuf)	Libya		32° 42' 00" N 21° 35' 00" E	330 m
Cugu River (see Río Ecuco)	Equatorial Guinea		1° 49' 50" N 9° 44' 43" E	
Cuilo (see Alto Cuilo)	Angola		10° 01' 00" S 19° 33' 00" E	1264 m

Cullendale, 2.2 km N, 9.5 km E Bedford (see also: Bedford, 2.2 km N, 9.5 km E, Mount Pleasant, Pleasant, mount)	South Africa		32° 39' 00" S 26° 11' 00" E	685 m
Cullinan	South Africa		25° 40' 32" S 28° 31' 20" E	1482 m
Culling camp, on Levuvhu River	South Africa		22° 25' 40" S 31° 15' 15" E	
Cunene Falls	Namibia			3350 ft
Cunene Falls (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	3350 ft
Cunene province	Angola			
Cunene River (see also: Kunene River, Nourse River, Rio Cunene)	Namibia	ca.	17° 15' 00" S 11° 45' 00" E	
Cunga (see Fazenda Cunga)	Angola		9° 15' 00" S 13° 44' 00" E	46 m
Cuttington University College, near Gbarnga	Liberia		7° 02' 24" N 9° 33' 15" W	
Cuttington University College, about 12 km NW (see Kpatwee Falls)	Liberia		7° 06' 27" N 9° 38' 30" W	
Cuvette departement	Congo			
Cuvette-Ouest departement	Congo			
Cyangugu (see Shangugu)	Rwanda		2° 29' 00" S 28° 53' 48" E	1537 m
Cyili (see also: Cyili Ntyano)	Rwanda		2° 30' 00" S 29° 46' 00" E	
Cyili Ntyano (see Cyili)	Rwanda		2° 30' 00" S 29° 46' 00" E	
Cyohaha, lake (see also: Tshyohaha, lake)	Rwanda		2° 15' 00" S 30° 00' 00" E	
Cypris	South Africa		33° 58' 00" S 25° 36' 00" E	
Cyprus, Farm 68 (see Farm Cyprus 68), 13 km SW Ofcolaco	South Africa		24° 11' 00" S 30° 17' 00" E	
Cyrenaica	Libya			
Cyrene	Zimbabwe			
Daan Viljoen Game Park (see also: Daan Viljoen Park)	Namibia		22° 32' 00" S 16° 58' 00" E	
Daan Viljoen Park (see Daan Viljoen Game Park)	Namibia		22° 32' 00" S 16° 58' 00" E	
Daba	Daba			
Dabacua Setache (see Setache)	Mozambique		21° 41' 32" S 33° 31' 18" E	
Dabakala (see also: Dabakla)	Côte d'Ivoire		8° 22' 00" N 4° 26' 00" W	249 m
Dabakla (see Dabakala)	Côte d'Ivoire		8° 22' 00" N 4° 26' 00" W	249 m
Dabola prefecture	Guinea			
Dabra Marko's, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Dabra Marko's, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Dabra-Marqos, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Dad Majok	Sudan			
Dada	Nigeria		11° 34' 00" N 4° 29' 00" E	
Dadome (see Dédomé)	Togo		7° 30' 00" N 0° 59' 00" E	265 m
Dadoya, 7 mi W	Ghana			
Dag Island (see Daga Island), Lake Tana	Ethiopia		11° 54' 00" N 37° 19' 00" E	
Daga Island, Lake Tana (see also: Dag Island)	Ethiopia		11° 54' 00" N 37° 19' 00" E	
Dagana (see also: Tagana)	Senegal		16° 31' 00" N 15° 30' 00" W	12 m
Dagati Pan	Zimbabwe		21° 07' 12" S 31° 52' 12" E	
Dagbao, 25 km SE Baibokoum (see also: Baibokoum, 25 km SE)	Chad		7° 39' 03" N 15° 53' 07" E	692 m
Dahlia, 4 mi [=6.5 km] E, Gwaai river	Zimbabwe	ca.	18° 37' 40" S 27° 12' 49" E	
Dahlia, 5 mi [=8 km] W	Zimbabwe		18° 35' 00" S 27° 08' 00" E	914 m
Dahshur	Egypt		29° 45' 00" N 31° 14' 00" E	21 m
Dakahlia governorate(see Ballito-Westbrook)	Egypt			
Dakar	Senegal		14° 40' 15" N 17° 26' 17" W	37 m
Dakar region	Senegal			
Dakhla Oasis, 6 km N Mut (see also: Mut, 6 km N, Nû, 6 km N)	Egypt		25° 29' 00" N 28° 59' 00" E	109 m
Dakhla-Oued Ed-Daha region	Morocco			
Dakhlet Nouadhibou region	Mauritania			
Dakoro, 10 km W (see Taïka valley)	Dakoro, 10 km W			
Dala, 15 km W, on Tshiumbe River	Angola		11° 02' 00" S 20° 12' 00" E	1224 m
Dalaba (see also: Grotte du Marché, Marché, grotte du, Market cave)	Guinea		10° 42' 00" N 12° 15' 00" W	1190 m
Dalaba	Senegal		12° 45' 00" N 13° 16' 00" W	
Dalaba prefecture	Guinea			
Dalami (see Dallami)	Sudan		11° 51' 53" N 30° 28' 25" E	641 m
Dali	Tanzania		7° 00' 00" S 36° 25' 00" E	
Dallami (see also: Dalami, Delami)	Sudan		11° 51' 53" N 30° 28' 25" E	641 m
Damango Scarps, About 17 mi to Rocks, near Mole river	Ghana		9° 03' 00" N 1° 36' 00" W	
Damango, near	Ghana		9° 15' 00" N 1° 45' 00" W	

Damaraland (see also: Herero-land, Herreroland)	Namibia		21° 00' 00" S 17° 30' 00" E	
Damba island (see also: Daniba island)	Uganda		0° 00' 54" N 32° 46' 37" E	
Dambala (see Djambala)	Congo		2° 34' 41" S 14° 45' 12" E	622 m
Dambi (see Ibambi)	Congo (Democratic Republic of the)		2° 22' 00" N 27° 37' 00" E	687 m
Dambiya (see Lake Tana)	Ethiopia		12° 00' 00" N 37° 20' 00" E	
DamiePC:DT|)	Egypt			
Damongo	Ghana		9° 05' 00" N 1° 49' 00" W	230 m
Damongo, 1 mi [=1.6 km] NE	Ghana		9° 04' 00" N 1° 45' 00" W	
Damongo, 30 - 33 mi [=48 - 53 km] from	Ghana		9° 16' 00" N 1° 30' 00" W	
Damoos Saïd, Jebel Serdj	Tunisia		35° 56' 12" N 9° 32' 59" E	
Danane department	Côte d'Ivoire			
Dandarah (see also: Dandera, Denderah, Denderah temple, Tentyra)	Egypt		26° 10' 09" N 32° 39' 19" E	67 m
Dande, 35 km E (see Dando, 35 km E)	Angola		11° 10' 00" S 17° 10' 00" E	
Dandera (see Dandarah)	Egypt		26° 10' 09" N 32° 39' 19" E	67 m
Dando, 35 km E (see also: Dande, 35 km E)	Angola		11° 10' 00" S 17° 10' 00" E	
Danfina (see Samaya)	Mali		12° 32' 58" N 8° 03' 19" W	299 m
Danghel (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Danghila (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Danghilla (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Dangila, 40 mi south Lake Tana (see also: Danghel, Danghila, Danghilla, Dangla, Dangla, Dungoler, Tana, 70 mi [=113 km] S Lake)	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Dangla (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Dangla (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Dangola Washa caves (see also: Kesa, 5 km SW)	Ethiopia	ca.	8° 20' 00" N 38° 34' 00" E	
Daniba island (see Damba island)	Uganda		0° 00' 54" N 32° 46' 37" E	
Danielskuil	South Africa		28° 11' 04" S 23° 31' 48" E	1478 m
Daniëlskuil	South Africa		28° 11' 00" S 23° 32' 00" E	1451 m
Danielskuil, 10km N	South Africa		28° 05' 52" S 23° 32' 21" E	
Dankbaar Windmill, Nassob [=Nossob camp], 60 km NW (see also: Nassob, 60 km NW, Nossob camp, 60 km NW)	South Africa		25° 03' 00" S 20° 08' 00" E	
Dano (see Aflao)	Ghana		6° 07' 04" N 1° 11' 34" E	61 m
Dano (see Denu)	Ghana		6° 05' 55" N 1° 08' 50" E	60 m
Danoe (see Denu)	Ghana		6° 05' 55" N 1° 08' 50" E	60 m
Danu (see Denu)	Ghana		6° 05' 55" N 1° 08' 50" E	60 m
Dapango (see Dapaong)	Togo		10° 51' 50" N 0° 12' 18" E	306 m
Dapango, cercle de (see Préfecture de Tone)	Togo		10° 55' 00" N 0° 10' 00" E	
Dapango, circonscription de (see Préfecture de Tone)	Togo		10° 55' 00" N 0° 10' 00" E	
Dapaong (see also: Dapango, Dapong)	Togo		10° 51' 50" N 0° 12' 18" E	306 m
Dapaong, circonscription de (see Préfecture de Tone)	Togo		10° 55' 00" N 0° 10' 00" E	
Dapong (see Dapaong)	Togo		10° 51' 50" N 0° 12' 18" E	306 m
Dar el Bey (see Enfida), Bou Ficha	Tunisia		36° 08' 07" N 10° 22' 51" E	12 m
Dar es Salaam (see also: Dar es Salaam University, Dar es Salam, Dar-es-Salaam, University of Dar es Salaam)	Tanzania		6° 48' 00" S 39° 17' 00" E	0 m
Dar es Salaam University (see Dar es Salaam)	Tanzania		6° 48' 00" S 39° 17' 00" E	
Dar es Salaam, 5 mi [=8 km] NW	Tanzania		6° 48' 00" S 39° 15' 00" E	
Dar es Salaam, 9 mi [=14.5 km] N	Tanzania		6° 42' 00" S 39° 18' 00" E	
Dar es Salam (see Dar es Salaam)	Tanzania		6° 48' 00" S 39° 17' 00" E	0 m
Dar Salam	Senegal		13° 15' 00" N 13° 12' 00" W	
Daraina	Madagascar			
Daraina, 7.5 km SW (see Binara forest)	Madagascar		13° 15' 18" S 49° 36' 59" E	
Daraja na Moneu (see Nyamindi), 10 mi [=16 km] W Embu	Kenya		0° 40' 00" S 37° 25' 00" E	1463 m
Darazo	Nigeria		10° 59' 43" N 10° 24' 48" E	498 m
Darazo, 6 km E	Nigeria	ca.	10° 59' 43" N 10° 24' 48" E	
Dardara (see Derdara)	Morocco		35° 06' 37" N 5° 17' 25" W	381 m
Daré, 10 km N (see Mayo Darlé, 10 km N)	Cameroon	ca.	6° 28' 00" N 11° 33' 00" E	
Daré, 6 km N (see Mayo Darlé, 6 km N)	Cameroon	ca.	6° 28' 00" N 11° 33' 00" E	
Daredawa (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dar-el-Salam	Mauritania			
Daren	Kenya			
Dar-Es-Salaam region	Tanzania			
Dar-es-Salaam (see Dar es Salaam)	Tanzania		6° 48' 00" S 39° 17' 00" E	0 m
Darling, 2.0 km S, 5.1 km W (see Farm Doorn Fontein 574)	South Africa		33° 23' 40" S 18° 19' 36" E	105 m

Darling, 3.3 km S, 0.1 km E (see Farm Drie Papen Fontein 576)	South Africa		33° 24' 21" S 18° 22' 56" E	290 m
Darnah district (see also: Derna district |PC:DA|)	Libya			
Darnah, 6 km S (see Wadi Darnah)	Libya		32° 42' 06" N 22° 36' 40" E	
Daroli	Daroli			
Daspoort (see Daspoortrant [mountains]), Pretoria	South Africa		25° 45' 00" S 28° 02' 00" E	
Daspoort Range (see Daspoortrant [mountains]), Pretoria	South Africa		25° 45' 00" S 28° 02' 00" E	
Daspoortrand (see Daspoortrant [mountains]), Pretoria	South Africa		25° 45' 00" S 28° 02' 00" E	
Daspoortrant [mountains], Pretoria (see also: Daspoort, Daspoort Range, Daspoortrand)	South Africa		25° 45' 00" S 28° 02' 00" E	
Dassie Cave (see Waterberg Game Farm, Dassie Cave), Waterberg	South Africa		24° 07' 03" S 28° 23' 08" E	1451 m
Dautsa Flats, 14 mi [=22.5 km] W Sehithwa (see also: Sehithwa, 14 mi [=22.5 km] W, Sehitwa, 14 mi [=22.5] km W)	Botswana		20° 34' 48" S 22° 31' 48" E	
Dawn Hill Mine, Mwenezi	Zimbabwe		17° 49' 07" S 31° 07' 01" E	
Dawsons (see Mvurwi), Nyamunyeche	Zimbabwe		17° 02' 00" S 30° 51' 00" E	1451 m
Day Forest National Park	Djibouti	ca.	11° 46' 01" N 42° 39' 00" E	1400 m
Day, mount (see Mount Day)	Djibouti		11° 46' 01" N 42° 39' 00" E	1400 m
Daym Zubayr, 100 mi [=160 km] W Wau (see also: Deim Zubeir, Dem Az Ziber, Dem Zubeir, Wau, 100 mi [=160 km] W)	South Sudan		7° 43' 00" N 26° 13' 00" E	609 m
Dayte cave	Tanzania		6° 03' 22" S 39° 22' 16" E	28 m
Dcheira, lower Sousse Valley	Morocco		30° 53' 00" N 9° 32' 00" W	
Dcheïra, near Inezgane, lower Sousse valley	Morocco		30° 22' 00" N 9° 32' 00" W	12 m
De Aar, 8.7 km S, 8.5 km W (see Farm Swartkoppies)	South Africa		30° 43' 45" S 23° 55' 21" E	1234 m
De Aar,13.4 km N, 6.4 km E	South Africa		30° 31' 44" S 24° 04' 39" E	1280 m
De Hel	South Africa			
De Hoek, Cradock District	South Africa		31° 50' 00" S 26° 17' 00" E	1478 m
De Hoek Forest Station (see De Hoek Staatsbos), Tzaneen, 15 km W	South Africa		23° 49' 37" S 30° 02' 53" E	4500 ft
De Hoek Staatsbos, Tzaneen, 15 km W (see also: De Hoek Forest Station, De Hoekbosreservaat, Letaba, 15 km W, Tzaneen, 15 km W)	South Africa		23° 49' 37" S 30° 02' 53" E	4500 ft
De Hoek, Skeleton Cave (see Oudtshoorn), Oudtshoorn	South Africa		33° 35' 00" S 22° 12' 00" E	328 m
De Hoekbosreservaat (see De Hoek Staatsbos), Tzaneen, 15 km W	South Africa		23° 49' 37" S 30° 02' 53" E	4500 ft
De Hoop Guano Cave, 32 km ENE Bredasdorp	South Africa		34° 25' 00" S 20° 24' 00" E	
De Hoop Nature Reserve, 32 km ENE Bredasdorp (see also: Bredasdorp, 2 km N, 6 km E, Bredasdorp, 32 km ENE, De Hoop Natuurreservaat, De Hoop Private Nature Reserve, De Hoop Provincial Nature Reserve, De Hoop, wildproefplaats, Roossenekal, 40 km N)	South Africa		34° 27' 18" S 20° 23' 57" E	
De Hoop Natuurreservaat (see De Hoop Nature Reserve)	South Africa		34° 27' 18" S 20° 23' 57" E	50 m
De Hoop Private Nature Reserve	South Africa		24° 57' 00" S 29° 57' 00" E	
De Hoop Private Nature Reserve (see De Hoop Nature Reserve), 40 km N Roossenekal; 32 km ENE Bredasdorp	South Africa		34° 27' 18" S 20° 23' 57" E	
De Hoop Provincial Nature Reserve (see De Hoop Nature Reserve)	South Africa		34° 27' 18" S 20° 23' 57" E	
De Hoop, wildproefplaats (see De Hoop Nature Reserve), Wildproefplaats "De Hoop"	South Africa		34° 27' 18" S 20° 23' 57" E	
De Kafferskraal, Farm 53JT (see Farm De Kafferskraal 53JT)	South Africa		25° 10' 57" S 30° 08' 52" E	
De Nysna (see Knysna)	South Africa		34° 02' 00" S 23° 02' 00" E	0 m
De Poort, Farm 378 (see Ventersburg)	South Africa		28° 05' 00" S 27° 08' 00" E	1425 m
De Somo, Bamenda road (see Somo - Bamenda road)	Cameroon			
De Valle, 40 km N Felseneck	Namibia		24° 18' 00" S 16° 00' 00" E	
De Vrede, Farm (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet	South Africa		32° 13' 03" S 24° 12' 26" E	
Debasien, mount (see Kadam, mount)	Uganda		1° 43' 19" N 34° 42' 49" E	
Debbat Marbeit (see also: Umbarbit)	South Sudan		10° 53' 23" N 32° 32' 46" E	
Debra Marcos, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Debra Markos, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Debre Marcos, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Debre Mark'os, near (see also: Dabra Marko's, near, Dabra Marko's, near, Dabra-Marqos, near, Debra Marcos, near, Debra Markos, near, Debre Marcos, near, Moncorer, near, Monkorer, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m

Debre Tabor, 7 km N, 10 km W (see Wereta-Weldiya road)	Ethiopia		11° 55' 00" N 37° 55' 00" E	2100 m
Debreeka (see Dubréka)	Guinea		9° 47' 28" N 13° 31' 24" W	74 m
Debub region (see also: Southern (former) province |PC:DU|)	Eritrea			
Debubawi Keyih Bahri region	Eritrea			
Dede, Aã'Isok; confluence Río Uoro	Equatorial Guinea			
Dedegwa river	Congo (Democratic Republic of the)		4° 35' 00" N 29° 43' 00" E	
Dédomé (see also: Dadome)	Togo		7° 30' 00" N 0° 59' 00" E	265 m
Dedza district	Malawi		14° 15' 46" S 34° 11' 08" E	
Deelfontein, Farm (see Farm Deelfontein)	South Africa		30° 58' 00" S 23° 46' 00" E	4460 ft
Deepwalls (see Diepwalle State Forest)	South Africa		33° 56' 00" S 23° 09' 00" E	
Deepwalls Forest Station (see Diepwalle State Forest)	South Africa		33° 56' 00" S 23° 09' 00" E	
Defilia oasis	Morocco		32° 09' 36" N 1° 22' 48" W	958 m
Defrenne cave (see Mwanga cave)	Congo (Democratic Republic of the)		10° 58' 00" S 26° 39' 00" E	
Defrenne grot (see Mwanga cave)	Congo (Democratic Republic of the)		10° 58' 00" S 26° 39' 00" E	
Degeh (see Degei)	Liberia		7° 05' 51" N 10° 09' 48" W	203 m
Degei (see also: Degeh, Degie, Digain, Digei)	Liberia		7° 05' 51" N 10° 09' 48" W	203 m
Degie (see Degei)	Liberia		7° 05' 51" N 10° 09' 48" W	203 m
Dehmit (see Dihmit)	Egypt		23° 47' 00" N 32° 55' 00" E	252 m
Deim Zubeir (see Daym Zubayr), 100 mi [=160 km] W Wau	South Sudan		7° 43' 00" N 26° 13' 00" E	609 m
Deir al Bahari, Kings graves, near	Egypt			
Deka, Zambezi confluence	Zimbabwe		18° 05' 00" S 26° 38' 00" E	
Delagoa Bay (see Maputo Bay)	Mozambique	ca.	25° 59' 00" S 32° 42' 00" E	
Delami (see Dallami)	Sudan		11° 51' 53" N 30° 28' 25" E	641 m
Delareyville, 24 km E (see Barberspan Provincial Nature Reserve)	South Africa		26° 34' 00" S 25° 35' 00" E	
Délégation de Teboursouk (see Taburbah, Mu'tamadiyat)	Tunisia		36° 55' 00" N 9° 45' 00" E	
Delis (see Dellys)	Algeria		36° 55' 07" N 3° 53' 16" E	336 m
Dellys (see also: Delis)	Algeria		36° 55' 07" N 3° 53' 16" E	336 m
Delta state	Nigeria			
Dem Az Ziber (see Daym Zubayr), 100 mi [=160 km] W Wau	South Sudan		7° 43' 00" N 26° 13' 00" E	609 m
Dem Zubeir (see Daym Zubayr), 100 mi [=160 km] W Wau	South Sudan		7° 43' 00" N 26° 13' 00" E	609 m
Demba territory	Congo (Democratic Republic of the)		5° 30' 00" S 22° 16' 00" E	
Dembea (see Lake Tana)	Ethiopia		12° 00' 00" N 37° 20' 00" E	
Dembelenge (see Dimbelenge)	Congo (Democratic Republic of the)		5° 33' 00" S 23° 07' 00" E	682 m
Dembelenge territory	Congo (Democratic Republic of the)			
Dena (see Elmina)	Ghana		5° 05' 00" N 1° 21' 00" W	0 m
Denderah (see Dandarah)	Egypt		26° 10' 09" N 32° 39' 19" E	67 m
Denderah temple (see Dandarah)	Egypt		26° 10' 09" N 32° 39' 19" E	67 m
Dengel Ber, SW side Lake Tana (see also: Dengelbar, Denghelbar, Denghelber, Dungulbar)	Ethiopia		11° 57' 00" N 37° 00' 00" E	1827 m
Dengel Ber, near, SW side Lake Tana (see also: Dungulbar, near)	Ethiopia		11° 55' 00" N 37° 05' 00" E	
Dengelbar (see Dengel Ber), SW side Lake Tana	Ethiopia		11° 57' 00" N 37° 00' 00" E	1827 m
Denghelbar (see Dengel Ber), SW side Lake Tana	Ethiopia		11° 57' 00" N 37° 00' 00" E	1827 m
Denghelber (see Dengel Ber), SW side Lake Tana	Ethiopia		11° 57' 00" N 37° 00' 00" E	1827 m
Denguélé (former) region	Côte d'Ivoire			
Denguélé district	Côte d'Ivoire			
Denny Dalton Mine, 10.5 km N, 14 km E Babanango (see also: Babanango, 10.5 km N, 14 km E)	South Africa		28° 17' 00" S 31° 14' 00" E	770 m
Denu (see also: Dano, Danoe, Danu)	Ghana		6° 05' 55" N 1° 08' 50" E	60 m
Déoulé	Côte d'Ivoire		7° 30' 23" N 7° 30' 19" W	640 m
Department of Health camp (see Kosi Lake), Ingwavuma	South Africa		26° 58' 00" S 32° 50' 00" E	
Derdara, 6 km SW of Chefchaouen (see also: Chefchaouen, 6 km SW, Dardara)	Morocco		35° 06' 37" N 5° 17' 25" W	381 m
Derdepoort, Pretoria	South Africa		25° 40' 50" S 28° 17' 20" E	
Derdepoort, 18 km SSE (see Farm Mooiplaas 94)	South Africa		24° 45' 00" S 26° 25' 00" E	
Derdepoort, 8 km S (see Farm Mooigenoeg 83)	South Africa		24° 40' 00" S 26° 20' 00" E	
DernaPC:DA|)	Libya			
DERU (see Namib Desert Research Station), Gobabeb	Namibia		23° 33' 00" S 15° 02' 00" E	
Desbordesville (see Impfondo)	Congo		1° 38' 17" N 18° 04' 00" E	326 m
Desea Forest	Ethiopia	ca.	13° 45' 00" N 39° 45' 00" E	
Désert de Nubie	Sudan		20° 30' 00" N 33° 00' 00" E	
Despatch	South Africa		33° 47' 00" S 25° 28' 00" E	30 m

Despatch, 4 mi [=6.4 km] N (see Amanzi Estate)	South Africa		33° 45' 00" S 25° 28' 00" E	
Dete, Hwange Safari Lodge (see also: Dett)	Zimbabwe		18° 37' 00" S 26° 52' 00" E	914 m
Dethioux Farm, cave I (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux Farm, cave II (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux Farm, Tantara cave (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, grot I (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, grot II (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, Tantara grot (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethiox caves (see Kambove)	Congo (Democratic Republic of the)		10° 50' 00" S 26° 39' 00" E	
Dethiox grotten (see Kambove)	Congo (Democratic Republic of the)		10° 50' 00" S 26° 39' 00" E	
Detioux Cave (see Kambove)	Congo (Democratic Republic of the)		10° 50' 00" S 26° 39' 00" E	
Dett (see Dete)	Zimbabwe		18° 37' 00" S 26° 52' 00" E	914 m
Dett, 15 mi [=24 km] E (see Wankie Tribal Trust Land)	Zimbabwe		18° 10' 00" S 26° 45' 00" E	3000 ft
Deutschmann's Camp, 0.3 km S, 0.2 km W Umngazana River Mouth (see also: Umngazana River Mouth, 0.3 km S, 0.2 km W)	South Africa		31° 41' 40" S 29° 25' 10" E	20 m
Devil's cave	Kenya		0° 45' 00" N 34° 45' 00" E	2103 m
Devure river	Zimbabwe		19° 57' 20" S 32° 15' 01" E	
Dewetsdorp, Leeukop [105]	South Africa		29° 35' 00" S 26° 40' 00" E	1591 m
Dgomous Reserve	Tunisia		34° 02' 55" N 8° 28' 34" E	
Dhahran	Saudi Arabia			
Dhika (see Thika)	Kenya		1° 03' 00" S 37° 05' 00" E	
Dhika, 6 km N (see Thika, 6 km N)	Kenya	ca.	0° 59' 37" S 37° 05' 09" E	ca. 1500 m
Dhio (see Diho)	Benin		8° 05' 00" N 2° 31' 00" E	152 m
Dhuwi (see Dowai [wadi])	Somalia		10° 02' 00" N 44° 14' 00" E	
Diabane, 12 km SW Adeane (see also: Adeane, 12 km SW)	Senegal		12° 32' 41" N 16° 05' 35" W	3 m
Diadam	Senegal		16° 22' 00" N 16° 16' 00" W	
Dialacoto (see Dialakoto)	Senegal		13° 19' 00" N 13° 18' 00" W	49 m
Dialagou	Mali		14° 32' 02" N 4° 07' 57" W	271 m
Dialakoto (see also: Dialacoto, Dialocote)	Senegal		13° 19' 00" N 13° 18' 00" W	49 m
Diale river (see Farmington river)	Liberia		6° 09' 32" N 10° 21' 13" W	
Dialocote (see Dialakoto)	Senegal		13° 19' 00" N 13° 18' 00" W	49 m
Diang river (see Farmington river)	Liberia		6° 09' 32" N 10° 21' 13" W	
Diani (see also: Mobasa, 20 mi [=32 km] S, Moto cave, Mwapewa caves)	Kenya		4° 16' 19" S 39° 34' 08" E	
Diani Beach (see also: Diani cave, Ndiani coast)	Kenya		4° 18' 13" S 39° 35' 01" E	
Diani Beach Centre, 10 km S (see Diani Beach, 10 km S)	Kenya		4° 20' 00" S 39° 32' 00" E	ca. 5 m
Diani Beach, 10 km S (see also: Diani Beach Centre, 10 km S)	Kenya		4° 20' 00" S 39° 32' 00" E	
Diani cave (see Diani Beach)	Kenya		4° 18' 13" S 39° 35' 01" E	
Diani Forest	Kenya		4° 20' 00" S 39° 32' 00" E	
Diar, Khor [wadi] (see Atar, Khawr [wadi])	South Sudan		9° 20' 11" N 31° 25' 00" E	
Diatakounda (see Diattakounda)	Senegal		12° 34' 11" N 15° 41' 03" W	32 m
Diatomite mine, 3 km N, 14 km E Elmenteita	Kenya		0° 25' 49" S 36° 10' 25" E	
Diattacounda (see Diattakounda)	Senegal		12° 34' 11" N 15° 41' 03" W	32 m
Diattakounda (see also: Diatakounda, Diattacounda, Yatacounda, Yatakou, Yatakounda, Yatakunda)	Senegal		12° 34' 11" N 15° 41' 03" W	32 m
Dibete	Botswana		23° 45' 00" S 26° 26' 00" E	
Dichwe [river]	Zimbabwe		16° 50' 00" S 30° 28' 00" E	
Didesa Wenz (see also: Didessa River)	Ethiopia	ca.	9° 57' 00" N 35° 41' 00" E	1190 m
Didessa River (see Didesa Wenz)	Ethiopia	ca.	9° 57' 00" N 35° 41' 00" E	1190 m
Didessa river bridge	Ethiopia		9° 02' 00" N 36° 09' 00" E	1533 m
Didessa River mouth	Ethiopia			
Didessa settlement, Tola river	Ethiopia		9° 02' 00" N 36° 09' 00" E	
Didinga mountains, western foothils	South Sudan		4° 20' 00" N 33° 35' 00" E	
Didy, 7 km N	Madagascar	ca.	18° 07' 00" S 48° 32' 00" E	
Die Bad (see Badplaas)	South Africa		25° 57' 10" S 30° 34' 00" E	1058 m
Die Oog (see also: Eye of Kuruman)	South Africa		27° 27' 00" S 23° 26' 00" E	1200 m

Diebougou (Airport)	Burkina Faso		10° 57' 00" N 3° 15' 00" W	984 ft
Diego Soarez (see Antsiranana)	Madagascar		12° 16' 00" S 49° 17' 00" E	125 m
Diégo-Suarez (see Antsiranana)	Madagascar		12° 16' 00" S 49° 17' 00" E	125 m
Diégo-Suarez, 36 km S (see Antsiranana, 36 km S)	Madagascar	ca.	12° 16' 00" S 49° 17' 00" E	
Diégo-Suarez, near (see Antsiranana)	Madagascar	ca.	12° 16' 00" S 49° 17' 00" E	
Diepwalle State Forest, 14 km NNE Knysna (see also: Deepwalls, Deepwalls Forest Station, Knysna, 14 km NNE)	South Africa		33° 56' 00" S 23° 09' 00" E	
Diffa region	Niger			
Digain (see Degei)	Liberia		7° 05' 51" N 10° 09' 48" W	203 m
Digba	Congo (Democratic Republic of the)		4° 24' 00" N 25° 47' 00" E	629 m
Digei (see Degei)	Liberia		7° 05' 51" N 10° 09' 48" W	203 m
Digomo De Kai	Botswana		24° 52' 01" S 24° 31' 01" E	
Dihmit (see also: Dehmit, Dihmit, Dilunit)	Egypt		23° 47' 00" N 32° 55' 00" E	252 m
Dihmit (see Dihmit)	Egypt		23° 47' 00" N 32° 55' 00" E	252 m
Diho (see also: Dhio)	Benin		8° 05' 00" N 2° 31' 00" E	152 m
Dijgan	Cameroon			
Dika	Congo (Democratic Republic of the)		4° 22' 00" N 27° 40' 00" E	689 m
Dikhil region	Djibouti			
Dikoa, 31 mi [=50 km] NE (see also: Dikwa, 31 mi [=50 km] NE)	Nigeria		12° 01' 00" N 13° 55' 00" E	
Dikoumé (see also: Dikume)	Cameroon		4° 14' 42" N 9° 29' 36" E	
Dikul River (see Dikulwe cave)	Congo (Democratic Republic of the)		10° 45' 00" S 25° 22' 00" E	
Dikuluwe cave (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers	Congo (Democratic Republic of the)		10° 45' 00" S 25° 22' 00" E	
Dikuluwe grot (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers	Congo (Democratic Republic of the)		10° 45' 00" S 25° 22' 00" E	
Dikulwe cave, at confluence of Dikulwe and Kimembe rivers (see also: Dikul River, Dikuluwe cave, Dikuluwe grot, Grotte de Dikuluwe)	Congo (Democratic Republic of the)		10° 45' 00" S 25° 22' 00" E	
Dikulwe river	Congo (Democratic Republic of the)		10° 45' 00" S 25° 22' 00" E	
Dikume (see Dikoumé)	Cameroon		4° 14' 42" N 9° 29' 36" E	
Dikumé-Balué, Camp V	Cameroon		5° 30' 00" N 9° 15' 00" E	
Dikwa, 31 mi [=50 km] NE (see Dikoa, 31 mi [=50 km] NE)	Nigeria		12° 01' 00" N 13° 55' 00" E	
Dilling (see also: Ad Dalanj)	Sudan		12° 02' 00" N 29° 40' 00" E	
Dilolo (see also: Dilolo station, Dilolo, poste, Kayombe)	Congo (Democratic Republic of the)		10° 28' 00" S 22° 28' 00" E	1069 m
Dilõlo (see Luacano)	Angola		11° 13' 30" S 21° 39' 43" E	1063 m
Dilolo station (see Dilolo)	Congo (Democratic Republic of the)		10° 28' 00" S 22° 28' 00" E	1069 m
Dilolo territory	Congo (Democratic Republic of the)			
Dilolo, poste (see Dilolo)	Congo (Democratic Republic of the)		10° 28' 00" S 22° 28' 00" E	1069 m
Dilunit (see Dihmit)	Egypt		23° 47' 00" N 32° 55' 00" E	252 m
Dima, primary school	Comoro Islands		11° 53' 11" S 43° 24' 39" E	263 m
Dimako	Cameroon		4° 23' 00" N 13° 35' 00" E	680 m
Dimbelenge (see also: Dembelenge)	Congo (Democratic Republic of the)		5° 33' 00" S 23° 07' 00" E	682 m
Dimonika	Congo		4° 13' 53" S 12° 26' 22" E	250 m
Dindéfélo, next to the stream	Senegal		12° 22' 00" N 12° 19' 00" W	
Dindéfélo II, next to the stream II	Senegal		12° 22' 00" N 12° 19' 00" W	
Dindira and Ibaya, halfway between	Tanzania			
Dinedor (see also: Dinedor Ranch)	Swaziland		26° 22' 00" S 31° 34' 00" E	
Dinedor Ranch (see Dinedor)	Swaziland		26° 22' 00" S 31° 34' 00" E	
Ding River (see Saint Paul River) (see also: Tapeta, Tapi Town, Tappi, Tappita, Tappitown)	Liberia	ca.	6° 22' 46" N 10° 47' 55" W	
Dinguembo, near Cotovindo	Congo		3° 47' 30" S 11° 55' 35" E	
Dinguiraye prefecture	Guinea			
Dinka county	South Sudan		6° 34' 50" N 30° 58' 17" E	
Dinosaur Trackway	Zimbabwe		16° 07' 30" S 30° 07' 30" E	
Dinsho (see also: Gurie)	Ethiopia		7° 06' 00" N 39° 47' 00" E	
Dio	Burkina Faso		13° 20' 00" N 2° 38' 00" W	371 m
Diogué	Senegal		12° 34' 28" N 16° 45' 09" W	7 m

Diomga	Burkina Faso		14° 04' 00" N 0° 03' 00" W	281 m
(see also: Dionga)				
Dionga (see Diomga)	Burkina Faso		14° 04' 00" N 0° 03' 00" W	281 m
Diourbei (see Diourbel)	Senegal		14° 39' 46" N 16° 23' 33" W	23 m
Diourbel	Senegal		14° 39' 46" N 16° 23' 33" W	23 m
(see also: Diourbei)				
Diourbel region	Senegal			
Dipker Island	Dipker Island			
Dirdabò (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daba (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daoua (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daua (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Dawa	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
(see also: Daredawa, Dirdabò, Dire Daba, Dire Daoua, Dire Daua, Dire Dawa, Dire Dewa, Direaoua, Diré-Daoua, Direduia)				
Dire Dawa (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Dawa state	Ethiopia			
Dire Dawa, 3 km S	Ethiopia	ca.	9° 32' 00" N 41° 53' 00" E	
Dire Dewa (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Direaoua (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Diré-Daoua (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Direduia (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dirleton, Farm 276 (see Farm Dirleton 276)	South Africa		22° 32' 00" S 29° 21' 00" E	
Disa (see Disah)	Sudan		12° 02' 00" N 34° 19' 00" E	429 m
Disah	Sudan		12° 02' 00" N 34° 19' 00" E	429 m
(see also: Disa)				
Divanié (see Divenié)	Congo		2° 40' 38" S 12° 05' 08" E	540 m
Divégni (see Divenié)	Congo		2° 40' 38" S 12° 05' 08" E	540 m
Divenié, near Mont Vouary ?	Congo		2° 40' 38" S 12° 05' 08" E	540 m
(see also: Divanié, Divégni, Divina)				
Divina (see Divenié)	Congo		2° 40' 38" S 12° 05' 08" E	540 m
Division 24 Camp (see Division Twenty-Four [Labor] Camp)	Liberia		6° 26' 37" N 10° 21' 58" W	
Division Twenty-Four [Labor] Camp	Liberia		6° 26' 37" N 10° 21' 58" W	
(see also: Division 24 Camp)				
Divo	Côte d'Ivoire		5° 50' 15" N 5° 21' 26" W	148 m
(see also: Boudougou)				
Divo department	Côte d'Ivoire			
Diwai	Namibia		18° 07' 00" S 21° 37' 00" E	1022 m
Dix-Huit Monagnes (former) region	Côte d'Ivoire			
(see also: 18 Montagnes (former) region)				
Diyogha	Namibia		18° 05' 00" S 21° 28' 00" E	1037 m
Dja Biosphere Reserve	Cameroon	ca.	3° 09' 00" N 13° 00' 00" E	
Dja River	Cameroon	ca.	3° 00' 00" N 13° 00' 00" E	
(see also: Ja River)				
Djabir	Congo (Democratic Republic of the)		0° 32' 00" N 24° 05' 00" E	437 m
Djala	Ethiopia		6° 20' 00" N 36° 50' 00" E	
Djama (see Djamaa)	Algeria		33° 32' 00" N 6° 00' 00" E	120 m
Djamaa	Algeria		33° 32' 00" N 6° 00' 00" E	120 m
(see also: Djama, Djemâa)				
Djamba	Congo (Democratic Republic of the)		2° 53' 00" N 24° 02' 00" E	419 m
Djambala	Congo		2° 34' 41" S 14° 45' 12" E	622 m
(see also: Dambala, Djamballa)				
Djambala (hill)	Congo (Democratic Republic of the)		4° 42' 00" S 13° 44' 00" E	
Djamballa (see Djambala)	Congo		2° 34' 41" S 14° 45' 12" E	622 m
Djanet	Algeria		24° 34' 00" N 0° 09' 23" E	1116 m
(see also: Fort Charlet)				
Djaposten	Cameroon		3° 25' 00" N 13° 32' 00" E	719 m
Djebba (see Jebba)	Nigeria		9° 08' 00" N 4° 50' 00" E	52 m
Djebel Achkel (see Jebel Ichkeul)	Tunisia		37° 07' 24" N 9° 39' 17" E	
Djebel Achkeul (see Jebel Ichkeul)	Tunisia		37° 07' 24" N 9° 39' 17" E	
Djebel Ank, mine (see Jabal al 'Unq, mine), 30 km SE Gafsa	Tunisia		34° 14' 02" N 9° 00' 54" E	
Djebel Aurès (see Aurès mountains)	Algeria		35° 14' 00" N 6° 10' 00" E	
Djebel Besass, 28 km SE Tunis	Tunisia		36° 37' 28" N 10° 24' 06" E	
(see also: Djebel Rassas, mine, Tunis, 28 km SE)				
Djebel Chambi National Park	Tunisia			
Djebel Digobo (see Jebel Digodo)	Sudan		10° 37' 00" N 29° 53' 00" E	
Djebel Digodo (see Jebel Digodo)	Sudan		10° 37' 00" N 29° 53' 00" E	
Djebel el Ank, mine (see Jabal al 'Unq, mine), 30 km SE Gafsa	Tunisia		34° 14' 02" N 9° 00' 54" E	

Djebel el Oust (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala	Tunisia	35° 33' 37" N 8° 52' 59" E	
Djebel Glong (see Glong, Jebel)	Tunisia		
Djebel Gloub (see Jabal Qulub)	Tunisia	36° 39' 00" N 8° 34' 00" E	
Djebel Ichkeul (see Jebel Ichkeul)	Tunisia	37° 07' 24" N 9° 39' 17" E	
Djebel Ichkeul, 25 km SW (see Sidi Messaoud, mine tunnel near)	Tunisia	36° 57' 58" N 9° 27' 23" E	
Djebel Ischkeul (see Jebel Ichkeul)	Tunisia	37° 07' 24" N 9° 39' 17" E	
Djebel Ishkoel (see Jebel Ichkeul)	Tunisia	37° 07' 24" N 9° 39' 17" E	
Djebel Kathangor (see Kathangor, Jabal)	South Sudan	5° 45' 00" N 33° 59' 00" E	
Djebel Katherr (see Kathangor, Jabal)	South Sudan	5° 45' 00" N 33° 59' 00" E	
Djebel Moussa (see Jebel Moussa)	Morocco	35° 53' 52" N 5° 24' 44" W	
Djebel Ouarsenis (see Ouarsenis, Djebel)	Algeria	35° 52' 00" N 1° 38' 00" E	
Djebel Ouest (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala	Tunisia	35° 33' 37" N 8° 52' 59" E	
Djebel Oust (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala	Tunisia	35° 33' 37" N 8° 52' 59" E	
Djebel Rassas, mine (see Djebel Besass)	Tunisia	36° 37' 28" N 10° 24' 06" E	
Djebel Taya (see Djebel Taya) (see also: Djebel Taya)	Algeria	36° 30' 06" N 7° 07' 27" E	
Djebel Trozza mine, 50 km WSW Kairouan (see also: Kairouan, 50 km WSW)	Tunisia	35° 30' 07" N 9° 35' 29" E	
Djebel Zaghouan (4 km W Poste Optique)	Tunisia	36° 21' 00" N 10° 04' 20" E	
Djebel Zaghouan (cave at Poste Optique)	Tunisia	36° 21' 00" N 10° 07' 00" E	
Djebel Zaghouan (see Jabal Zaghwan)	Tunisia	36° 21' 02" N 10° 06' 42" E	
Djebel Zaghouane (see Jabal Zaghwan)	Tunisia	36° 21' 02" N 10° 06' 42" E	
Djebel Zarhouan (see Jabal Zaghwan)	Tunisia	36° 21' 02" N 10° 06' 42" E	
Djebel Zeraf (see Zeraf, Jebel [=mountain])	Sudan	15° 49' 00" N 31° 10' 00" E	
Djeka	Congo (Democratic Republic of the)	2° 47' 00" S 23° 55' 00" E	
Djelfa (see also: Jelfa)	Algeria	34° 40' 00" N 3° 15' 00" E	1126 m
Djelfa province	Algeria		
Djelube river, lower	Congo (Democratic Republic of the)	0° 35' 00" N 29° 40' 00" E	850 m
Djelube river, middle	Congo (Democratic Republic of the)	0° 31' 00" N 29° 44' 00" E	1100 m
Djemâa (see Djamaa)	Algeria	33° 32' 00" N 6° 00' 00" E	120 m
Djemba (see also: Djomba)	Congo (Democratic Republic of the)	1° 20' 00" S 29° 34' 00" E	1500 m
Djembe (see Nola)	Central African Republic	3° 32' 00" N 16° 04' 00" E	442 m
Djem-djem Forest, ca 40 mi [=64 km] W Addis Ababa (see also: Addis Ababa, ca 40 mi [=64 km] W)	Ethiopia	8° 58' 00" N 38° 09' 00" E	8 000 ft
Djenné (see also: Djenne, Djénne)	Mali	13° 54' 16" N 4° 33' 36" W	273 m
Djenne (see Djenné)	Mali	13° 54' 16" N 4° 33' 36" W	273 m
Djénne (see Djenné)	Mali	13° 54' 16" N 4° 33' 36" W	273 m
Djerba (see Île de Jerba)	Tunisia	33° 48' 00" N 10° 54' 00" E	
Djerba island (see Île de Jerba)	Tunisia	33° 48' 00" N 10° 54' 00" E	
Djerbeh (see Île de Jerba)	Tunisia	33° 48' 00" N 10° 54' 00" E	
Djibloho province	Equatorial Guinea		
Djiboulboul	Chad		
Djibouti (see also: Djibuti, Gibuti, Jibouti, Jibuti)	Djibouti	11° 35' 42" N 43° 08' 53" E	0 m
Djibouti (see also: Afars and Issas, Côte Français des Somalis, French Somaliland, Somali Française, Territoire Français d'Afas et Issas)	Djibouti		
Djibouti region	Djibouti		
Djibuti (see Djibouti)	Djibouti	11° 35' 42" N 43° 08' 53" E	0 m
Djigdjiga (see Jijiga)	Ethiopia	9° 21' 00" N 42° 48' 00" E	1608 m
Djimma (see Jima)	Ethiopia	7° 40' 00" N 36° 50' 00" E	1753 m
Djimma, 5 km E (see Jima, 5 km E)	Ethiopia	7° 40' 00" N 36° 50' 00" E	1753 m
Djipologo (see also: Jipologo)	Burkina Faso	10° 56' 00" N 3° 07' 00" W	253 m
Djiren (see Jiren), near Jima	Ethiopia	7° 49' 00" N 36° 41' 00" E	1678 m
Djohong (see also: Doumba)	Cameroon	6° 50' 00" N 14° 42' 00" E	1242 m
Djomba (see Djemba)	Congo (Democratic Republic of the)	1° 20' 00" S 29° 34' 00" E	1500 m
Djoudj National Park (see also: Djoudj, Parc National des Oiseaux, Parc National des Oiseaux du Djoudj)	Senegal	16° 24' 00" N 16° 15' 00" W	
Djoudj, Parc National des Oiseaux (see Djoudj National Park)	Senegal	16° 24' 00" N 16° 15' 00" W	

Djugu bos (see Djugu forest)	Congo (Democratic Republic of the)		1° 55' 00" N 30° 30' 00" E	1530 m
Djugu forest (see also: Djugu bos, Djugu, forêt de, Forêt de Djugu)	Congo (Democratic Republic of the)		1° 55' 00" N 30° 30' 00" E	1530 m
Djugu territory	Congo (Democratic Republic of the)		1° 55' 00" N 30° 30' 00" E	
Djugu territory	Congo (Democratic Republic of the)		1° 55' 00" N 30° 30' 00" E	
Djugu, forêt de (see Djugu forest)	Congo (Democratic Republic of the)		1° 55' 00" N 30° 30' 00" E	1530 m
Djuma river, upper	Congo (Democratic Republic of the)		0° 38' 00" N 29° 34' 00" E	850 m
Djumma river, middle	Congo (Democratic Republic of the)		0° 42' 00" N 29° 41' 00" E	800 m
Djurdura mountains	Algeria			
Dlinza Forest, Eshowe	South Africa		28° 53' 59" S 31° 27' 00" E	515 m
D'Nyala Provincial Nature Reserve, 11 km SE Ellisras (see also: Ellisras, 11 km SE)	South Africa		23° 45' 00" S 27° 48' 00" E	
Dobleh	Ethiopia		7° 00' 00" N 45° 00' 00" E	
Doddieburn Farm, West Nickolson	Zimbabwe		21° 28' 00" S 29° 24' 00" E	
Dodoma	Tanzania			
Dodoma region	Tanzania			
Dodoma, 97 km E (see Kongwa)	Tanzania		6° 12' 00" S 36° 25' 00" E	1135 m
Dogon country	Mali	ca.	13° 40' 53" N 3° 37' 04" W	
Dog's Dam	South Africa		33° 18' 00" S 26° 31' 00" E	530 m
Dogy River Bridge	Ethiopia		8° 21' 43" N 35° 53' 02" E	
Doinyo Sapuk (see Donyo Sabuk)	Kenya		1° 08' 00" S 37° 16' 00" E	
Doki River	Ethiopia		8° 20' 00" N 35° 36' 00" E	
Doki river bridge	Ethiopia		8° 20' 00" N 35° 36' 00" E	
Doki River Bridge, Ilu Babor	Ethiopia			
Dokoa (see also: Ondokoa)	Cameroon		4° 22' 00" N 11° 44' 00" E	469 m
Dokolo district	Uganda			
Doleb (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		9° 21' 35" N 31° 36' 03" E	276 m
Doleib Hill (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		9° 21' 35" N 31° 36' 03" E	276 m
Dolo (see Dolo Odo)	Ethiopia		4° 10' 43" N 42° 03' 32" E	173 m
Dolo Odo (see also: Dolo)	Ethiopia		4° 10' 43" N 42° 03' 32" E	173 m
Dolondolo				
Doma Mikumi Game Controlled Area (see Mikumi National Park)	Tanzania		7° 15' 00" S 37° 05' 00" E	
Domaine de Chasse de Mboko (see Mboko hunting area)	Congo		0° 31' 54" N 14° 51' 44" E	
Domwe island	Malawi			
Dondi, 3 mi NE Bela Vista (see also: Bela Vista, 3 mi NE)	Angola			5600 ft
Dondo (see also: Vila do Dondo)	Mozambique		19° 36' 34" S 34° 44' 35" E	56 m
Dondo (see Ndondo)	Angola		9° 40' 00" S 14° 30' 00" E	134 m
Dondo Forest	Mozambique		19° 36' 00" S 34° 44' 00" E	
Dondo, 8 km NW (see Mezimbite)	Mozambique		19° 35' 00" S 34° 43' 00" E	
Donga department	Benin			
Donghila (see Donguila)	Gabon		0° 13' 00" N 9° 45' 00" E	95 m
Dongila (see Donguila)	Gabon		0° 13' 00" N 9° 45' 00" E	95 m
Dongola (see Dunqulah)	Sudan		19° 10' 00" N 30° 29' 00" E	217 m
Dongolakop, Messina	South Africa		22° 15' 00" S 29° 41' 00" E	
Dongollo Basso	Eritrea		15° 00' 00" N 38° 00' 00" E	
Dongotona mountains (see also: Dongtona mountains)	South Sudan		4° 11' 08" N 33° 07' 07" E	
Dongtona mountains (see Dongotona mountains)	South Sudan		4° 11' 08" N 33° 07' 07" E	
Donguila (see also: Donghila, Dongila)	Gabon		0° 13' 00" N 9° 45' 00" E	95 m
Donjo Sebuk (see Donyo Sabuk)	Kenya		1° 08' 00" S 37° 16' 00" E	
Donkam River, Lake Tana, 40 mi S	Ethiopia			
Donkerpoort, Farm 448 (see Gatkop cave), 24 km E Thabazimbi, Rooiberg	South Africa		24° 37' 05" S 27° 39' 08" E	
Donkola (see Dunqulah)	Sudan		19° 10' 00" N 30° 29' 00" E	217 m
Donnybrook, 15 km W (see Hlabeni Forest Reserve)	South Africa		29° 57' 00" S 29° 46' 00" E	1318 m
Donqla al 'Ajuz (see Dunqulah al Qadimah)	Sudan		18° 13' 00" N 30° 45' 00" E	274 m
Donu river (see Gelana Shet')	Ethiopia		6° 07' 00" N 37° 55' 00" E	
Donya Sabuk (see Donyo Sabuk)	Kenya		1° 08' 00" S 37° 16' 00" E	
Donyo Sabuk (see also: Doinyo Sapuk, Donjo Sebuk, Donya Sabuk, Nairobi, 32 mi [=52 km] NE, Ol Doinyo Sapuk, mount, Ol Donyo Sabuk National Park, Ol'Donyo Sabuk)	Kenya		1° 08' 00" S 37° 16' 00" E	

Donyo Sabuk, 3.2 km SE	Kenya		1° 07' 00" S 37° 16' 00" E	
Doon Heights	South Africa		30° 04' 00" S 30° 52' 00" E	56 m
Doonside	South Africa		30° 04' 00" S 30° 53' 00" E	24 m
Doorn Fontein, Farm 574 (see Farm Doorn Fontein 574)	South Africa		33° 23' 40" S 18° 19' 36" E	105 m
Doornbosch, Farm (see Farm Doornbosch)	South Africa		32° 02' 42" S 24° 04' 46" E	1500 m
Doorndraai Dam Nature Reserve, Potgietersrus-Naboomspruit	South Africa		24° 16' 00" S 28° 43' 00" E	
Doornhoek, Dannhauser	South Africa		28° 29' 00" S 29° 25' 00" E	1357 m
Doornhoek mine, 13.0 km E Pietermaritzburg (see also: Pietermaritzburg, 13.0 km E)	South Africa		29° 36' 00" S 30° 31' 00" E	535 m
Doornhoek, Farm (see Farm Doornhoek), Pietermaritzburg	South Africa		29° 36' 00" S 30° 31' 00" E	
Doornkraal Camp Site (see Doornkraal campsite)	South Africa		27° 30' 27" S 31° 12' 25" E	
Doornkraal campsite, Ngubhu river (see also: Doornkraal Camp Site, Farm Doornkraal)	South Africa		27° 30' 27" S 31° 12' 25" E	
Doornsloot	South Africa		24° 01' 00" S 28° 22' 00" E	ca. 1301 m
Doou river (see Gelana Shet')	Ethiopia		6° 07' 00" N 37° 55' 00" E	
Dordrecht, Mariba, subdivision of Joubertskop	South Africa		31° 22' 00" S 27° 03' 00" E	1723 m
Dordrecht, Farm (see Farm Dordrecht), 20 km S Marken	South Africa		23° 50' 00" S 28° 22' 00" E	
Dormaa Ahenkro (see also: Ahinkrom, Pamu)	Ghana		7° 17' 00" N 2° 53' 00" W	269 m
Doropo	Côte d'Ivoire		9° 49' 00" N 3° 20' 00" W	287 m
Dorse, 8 km S of Chercha (see also: Chercha, 8 km S, Dorsey)	Ethiopia		6° 16' 00" N 37° 33' 00" E	2923 m
Dorsey (see Dorse), 8 km S of Chercha	Ethiopia		6° 16' 00" N 37° 33' 00" E	2923 m
Dorwa river (see Wasa river), Chemliki valley	Uganda		1° 02' 00" N 30° 30' 00" E	
Dosa	Namibia		18° 13' 00" S 20° 51' 00" E	1061 m
Dose, 2 km S (see Dumushe water)	Namibia		18° 14' 00" S 20° 52' 00" E	1072 m
Dosso region	Niger			
Douala (see also: Doula, Duala)	Cameroon		4° 02' 49" N 9° 42' 30" E	0 m
Douala airport	Cameroon		4° 04' 00" N 9° 43' 00" E	
Douala airport, 3 km E	Cameroon	ca.	4° 04' 00" N 9° 43' 00" E	
Douala airport, 5 km E	Cameroon	ca.	4° 04' 00" N 9° 43' 00" E	
Douala-Edéa Game Reserve (see Douala-Edéa, réserve de)	Cameroon	ca.	3° 30' 00" N 9° 50' 00" E	
Douala-Edéa, réserve de (see also: Douala-Edéa Game Reserve)	Cameroon	ca.	3° 30' 00" N 9° 50' 00" E	
Douar Ain Chkef (see Aïn Chkef)	Morocco		33° 57' 48" N 5° 01' 11" W	508 m
Doufelgou prefecture (see Préfecture de Doufelgou)	Togo		9° 50' 00" N 1° 05' 00" E	
Douirat (see also: Ad Duwayrat)	Tunisia		32° 52' 00" N 10° 17' 00" E	460 m
Doukkala - Abda (former) region	Morocco			
Doula (see Douala)	Cameroon		4° 02' 49" N 9° 42' 30" E	0 m
Doumba (see Djohong)	Cameroon		6° 50' 00" N 14° 42' 00" E	1242 m
Doumboula cave (see Doumboula, grotte de)	Congo		4° 15' 00" S 13° 00' 00" E	
Doumboula, grotte de (see also: Doumboula cave, Grotte de Doumboula)	Congo		4° 15' 00" S 13° 00' 00" E	
Douna	Côte d'Ivoire		8° 05' 33" N 6° 32' 35" W	302 m
Doussala, 12.2 km NW (see Moukalaba Reserve)	Gabon		2° 17' 00" S 10° 29' 50" E	110 m
Doussala, 24.3 km NW	Gabon		2° 13' 21" S 10° 24' 21" E	375 m
Doussala, 25.2 km NW	Gabon		2° 13' 38" S 10° 23' 40" E	625 m
Douz, Nefzaoua (see also: Duz)	Tunisia		33° 27' 59" N 9° 01' 13" E	
Dowa (see Dowai [wadi])	Somalia		10° 02' 00" N 44° 14' 00" E	
Dowa district	Malawi			
Dowai [wadi] (see also: Dhuwi, Dowa, Duwi Pass)	Somalia		10° 02' 00" N 44° 14' 00" E	
Doyum (see also: Doyumu)	Ghana		5° 54' 00" N 0° 01' 00" E	46 m
Doyumu (see Doyum)	Ghana		5° 54' 00" N 0° 01' 00" E	46 m
Dr Kenneth Kaunda district (see also: Southern district)	South Africa			
Dr Ruth Segomotsi Mompati district (see also: Bophirima district)	South Africa			
Drâa-Tafilalet region	Morocco			
Drakenburg mountains	South Africa			
Drakensburg, Royal Natal National Park	South Africa		28° 41' 00" S 28° 56' 00" E	
Drakensig, 5 Lark Cresent	South Africa		24° 26' 00" S 31° 01' 00" E	574 m
Dramba	Congo (Democratic Republic of the)		3° 40' 00" N 30° 19' 00" E	877 m
Draw River Forest Reserve	Ghana		5° 12' 00" N 2° 20' 00" W	
Drepanun (see Kurkurah)	Libya		31° 25' 35" N 20° 01' 40" E	18 m
Dresden, Farm 366 (see Excelsior)	South Africa		28° 56' 00" S 27° 04' 00" E	1453 m

Drie Papen Fontein, Farm 576 (see Farm Drie Papen Fontein 576)	South Africa		33° 24' 21" S 18° 22' 56" E	290 m
Driefontein	Zimbabwe		19° 28' 00" S 29° 45' 00" E	
Driefontein, Farm (see Farm Driefontein), Vaalwater; Waterberg	South Africa			
Driehoek, Farm 218 (see Farm Driehoek 218), Luckhoff	South Africa		29° 38' 00" S 24° 52' 00" E	
Drodo (see Drodro)	Congo (Democratic Republic of the)		1° 46' 00" N 30° 32' 00" E	1854 m
Drodro, near Saliboko (see also: Drodo)	Congo (Democratic Republic of the)		1° 46' 00" N 30° 32' 00" E	1854 m
Drodsky Caves (see also: Drotsky Cave, Drotsky's Caves, Kai Kai, 25 mi [=40 km] SE)	Botswana		20° 07' 00" S 21° 22' 00" E	
Dronibe	Madagascar			
Drotsky Cave (see Drodsky Caves)	Botswana		20° 07' 00" S 21° 22' 00" E	
Drotsky's Caves (see Drodsky Caves)	Botswana		20° 07' 00" S 21° 22' 00" E	
Du river (see also: Due river, Dukwia river, Duquéah river, Lu river)	Liberia	ca.	6° 14' 34" N 10° 32' 24" W	
Du Side village (see also: Duside plantation)	Liberia		6° 20' 57" N 10° 27' 48" W	
Duala (see Douala)	Cameroon		4° 02' 49" N 9° 42' 30" E	0 m
Dubbelwater, Farm (see Farm Dubbelwater), 65 km N Vaalwater	South Africa		23° 49' 00" S 28° 16' 00" E	
Dubréka (see also: Debreeka, Dubreka, Soumba o Dubreka)	Guinea		9° 47' 28" N 13° 31' 24" W	74 m
Dubreka (see Dubréka)	Guinea		9° 47' 28" N 13° 31' 24" W	74 m
Dubréka prefecture	Guinea			
Dubulu	Congo (Democratic Republic of the)		4° 18' 00" N 20° 16' 00" E	613 m
Duca degli Abruzzi (see Jawhar)	Somalia		1° 57' 00" N 44° 50' 00" E	73 m
Due river (see Du river)	Liberia	ca.	6° 14' 34" N 10° 32' 24" W	
Duea Seglaon (see Oued Siglone)	Morocco	ca.	35° 10' 00" N 5° 16' 00" W	
Duékoué (see also: Duekoue)	Côte d'Ivoire		6° 44' 17" N 7° 20' 35" W	271 m
Duekoue (see Duékoué)	Côte d'Ivoire		6° 44' 17" N 7° 20' 35" W	271 m
Dufile	Uganda		3° 33' 08" N 31° 56' 55" E	627 m
Dugundhlovu camp site	South Africa		28° 01' 00" S 32° 21' 00" E	
Duivelskloof (see Duiwelskloof)	South Africa		23° 42' 00" S 30° 08' 00" E	
Duiwelskloof (see also: Duivelskloof, Duwelskloof)	South Africa		23° 42' 00" S 30° 08' 00" E	
Duiwelskloof, 8 km E (see Farm Naerina)	South Africa		23° 42' 00" S 30° 16' 00" E	
Duiwelskloof, Farm 376 (see Farm Duiwelskloof 376), Tzaneen	South Africa		23° 42' 00" S 30° 08' 00" E	
Duk Fagul, Dinka country	South Sudan		6° 33' 00" N 31° 00' 00" E	
Dukuduku Forest (see Dukuduku State Forest), 6 km NNE Hlabisa	South Africa		28° 23' 00" S 32° 19' 00" E	
Dukuduku Forest Reserve (see Dukuduku State Forest), 6 km NNE Hlabisa	South Africa		28° 23' 00" S 32° 19' 00" E	
Dukuduku Forest Station (see Dukuduku State Forest), 6 km NNE Hlabisa	South Africa		28° 23' 00" S 32° 19' 00" E	
Dukuduku Staatsbos (see Dukuduku State Forest), 6 km NNE Hlabisa	South Africa		28° 23' 00" S 32° 19' 00" E	
Dukuduku State Forest, 6 km NNE Mtubatuba (see also: Dukuduku Forest, Dukuduku Forest Reserve, Dukuduku Forest Station, Dukuduku Staatsbos, Hlabisa, 6 km NNE, Mtubatuba, 6 km NNE)	South Africa		28° 23' 00" S 32° 19' 00" E	
Dukwia river (see Du river)	Liberia	ca.	6° 14' 34" N 10° 32' 24" W	
Dulaba	Sudan			
Dulayb, Bahr-el-Abiad, Malakal district (see also: Abu Doleb, Doleb, Doleib Hill, Tatuga)	South Sudan		9° 21' 35" N 31° 36' 03" E	276 m
Dullstroom Town	South Africa		25° 25' 00" S 30° 07' 00" E	1964 m
Duluti, lake (see Lake Duluti)	Tanzania		3° 23' 00" S 36° 47' 00" E	
Duma, near Libenge/Ubangi	Congo (Democratic Republic of the)		3° 53' 00" N 18° 41' 00" E	356 m
Dumbu Pan	Zimbabwe		16° 52' 00" S 28° 22' 00" E	
Dume	Dume			
Dumisa gold mine, 1 km E Dumisa railway station (see also: Dumisa Mine, Dumisa railway station, 1 km E, Umzinto, 5 km N, 22 km W)	South Africa		30° 16' 05" S 30° 26' 29" E	685 m
Dumisa Mine (see Dumisa gold mine), 5 km N, 22 km W Umzinto	South Africa		30° 16' 05" S 30° 26' 29" E	685 m
Dumisa railway station, 1 km E (see Dumisa gold mine), Ixopo	South Africa		30° 16' 05" S 30° 26' 29" E	685 m

Dumushe water, 2 km S Dose (see also: Dose, 2 km S)	Namibia		18° 14' 00" S 20° 52' 00" E	1072 m
Dumyat governorate (see also: Damietta governorate |PC:DT|, Dumyat governorate |PC:DT|)	Egypt			
DumyaPC:DT|)	Egypt			
Dundee, 1 km E (see Lennox Farm)	South Africa		28° 09' 20" S 30° 17' 57" E	1232 m
Dundo (see also: Dundo Lundo, Dundu)	Angola		7° 22' 00" S 20° 50' 00" E	726 m
Dundo Lundo (see Dundo)	Angola		7° 22' 00" S 20° 50' 00" E	726 m
Dundo, 150 km SSE (see Elias Garcia)	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Dundu (see Dundo)	Angola		7° 22' 00" S 20° 50' 00" E	726 m
Dune Jean Louis (see Saint-Louis Hill)	Seychelle Islands		4° 37' 00" S 55° 27' 00" E	
Dungoler (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Dungu	Congo (Democratic Republic of the)		3° 37' 00" N 28° 34' 00" E	669 m
Dungulbar (see Dengel Ber), SW side Lake Tana	Ethiopia		11° 57' 00" N 37° 00' 00" E	1827 m
Dungulbar, near (see Dengel Ber, near), SW side Lake Tana	Ethiopia		11° 55' 00" N 37° 05' 00" E	
Dunkula (see Dunqulah)	Sudan		19° 10' 00" N 30° 29' 00" E	217 m
Dunkwa	Ghana		5° 58' 00" N 1° 47' 00" W	117 m
Dunqulah (see also: Dongola, Donkola, Dunkula)	Sudan		19° 10' 00" N 30° 29' 00" E	217 m
Dunqulah al 'Ajuz (see Dunqulah al Qadimah)	Sudan		18° 13' 00" N 30° 45' 00" E	274 m
Dunqulah al Qadimah (see also: Donqla al 'Ajuz, Dunqulah al 'Ajuz, Old Dongola)	Sudan		18° 13' 00" N 30° 45' 00" E	274 m
Duo Town	Liberia		5° 42' 00" N 8° 06' 00" W	
Duque de Bragança (see Calandula)	Angola		9° 06' 00" S 15° 57' 00" E	626 m
Duque de Bragança, 25 km N, 15 km E	Angola		8° 52' 26" S 16° 05' 11" E	
Duque de Bragança, 42 km N	Angola		8° 40' 00" S 15° 58' 00" E	
Duquéah river (see Du river)	Liberia	ca.	6° 14' 34" N 10° 32' 24" W	
Durba, Geology house	Congo (Democratic Republic of the)		3° 08' 18" N 29° 35' 01" E	
Durban, 21 King George Avenue	South Africa		29° 45' 07" S 30° 49' 51" E	559 m
Durban (see also: Durban CBD, Port Natal)	South Africa		29° 51' 00" S 31° 01' 00" E	
Durban CBD (see Durban)	South Africa		29° 51' 00" S 31° 01' 00" E	
Durban International Airport	South Africa		29° 58' 01" S 30° 56' 31" E	
Durban North, 8 Portland Crescent	South Africa		29° 48' 00" S 31° 02' 00" E	
Durban North area (presumably)	South Africa		29° 48' 00" S 31° 02' 00" E	
Durban, 22 mi [=35 km] NE (see Adams College)	South Africa		30° 02' 00" S 30° 49' 00" E	156 m
Durban, 48 km NW (see Umgeni (Fish) Hatchery)	South Africa		29° 35' 25" S 30° 37' 18" E	400 m
Durban, 5 km S (see Isipingo)	South Africa		29° 59' 00" S 30° 56' 00" E	
Durban, 50 km S	South Africa		30° 13' 00" S 30° 48' 00" E	
Durban, near (see also: Port Natal, near)	South Africa	ca.	29° 52' 00" S 31° 00' 00" E	
Durban, probably	South Africa		29° 50' 00" S 31° 00' 00" E	
Durbanville	South Africa		33° 50' 00" S 18° 39' 00" E	174 m
Durunka (see Durunkah)	Egypt		27° 08' 19" N 31° 10' 31" E	64 m
Durunkah (see also: Durunka)	Egypt		27° 08' 19" N 31° 10' 31" E	64 m
Dûsh (see Izbat Dush)	Egypt		24° 34' 00" N 30° 42' 00" E	77 m
Dush temple (see Izbat Dush), S of Baris	Egypt		24° 34' 00" N 30° 42' 00" E	77 m
Dushi area	Ethiopia			
Duside plantation (see Du Side village)	Liberia		6° 20' 57" N 10° 27' 48" W	
Duwelskloof (see Duiwelskloof)	South Africa		23° 42' 00" S 30° 08' 00" E	
Duwi Pass (see Dowai [wadi])	Somalia		10° 02' 00" N 44° 14' 00" E	
Duz (see Douz), Nefzaoua	Tunisia		33° 27' 59" N 9° 01' 13" E	
Dwaaso (see Juaso)	Ghana		6° 35' 00" N 1° 07' 00" W	218 m
Dwala Farm (see Dwala Ranch), Bubiana River	Zimbabwe		21° 05' 00" S 29° 43' 00" E	
Dwala Ranch, Bubiana River (see also: Dwala Farm)	Zimbabwe		21° 05' 00" S 29° 43' 00" E	
Dwalile Primary School	Swaziland		26° 42' 00" S 30° 47' 00" E	
Dwarskersbos, 11 km N, 9 km W (see Rocher Pan Nature Reserve)	South Africa		32° 37' 00" S 18° 22' 00" E	20 m
Dwarskersbos, 9.1 km N, 6.6 km E (see Rocherpan Nature Reserve)	South Africa		32° 36' 00" S 18° 19' 00" E	20 m
Dwesa Forests (see Dwessa Forest Reserve)	South Africa		32° 18' 13" S 28° 49' 43" E	11 m
Dwesa Nature Reserve (see Dwessa Forest Reserve)	South Africa		32° 18' 13" S 28° 49' 43" E	11 m
Dwessa Forest Reserve (see also: Dwesa Forests, Dwesa Nature Reserve)	South Africa		32° 18' 13" S 28° 49' 43" E	11 m
Dwokwaa (see Jukwa)	Ghana		5° 16' 00" N 1° 20' 00" W	74 m
Dysselsdorp, 8 km SE (see Kammannassie M.C.A [Camp 2])	South Africa		33° 36' 00" S 22° 33' 00" E	

Dzala Cave, 14 mi NE Lusaka (see also: Lusaka, 14 mi [=22.5 km] NE)	Zambia		15° 26' 00" S 28° 20' 00" E	
Dzalanyama Forest Reserve, Rest House	Malawi		14° 15' 00" S 33° 25' 00" E	
Dzanga-Sangha Forest Reserve (see Dzanga-Sangha National Park)	Central African Republic	ca.	3° 26' 00" N 16° 21' 00" E	
Dzanga-Sangha National Park (see also: Dzanga-Sangha Forest Reserve)	Central African Republic	ca.	3° 26' 00" N 16° 21' 00" E	
Dzhidzhiga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Dzialandée, lac de (see Dzialandée, lake)	Comoro Islands		12° 13' 16" S 44° 25' 58" E	890 m
Dzialandée, lake (see also: Dzialandée, lac de, Lake Dzialandée)	Comoro Islands		12° 13' 16" S 44° 25' 58" E	890 m
Dzogbégan	Togo		7° 14' 00" N 0° 41' 00" E	698 m
Dzundwini, E Punda Milia (see also: Dzunweni Hill, Dzunwini)	South Africa		22° 46' 00" S 31° 10' 00" E	
Dzunweni Hill (see Dzundwini), E Punda Milia	South Africa		22° 46' 00" S 31° 10' 00" E	
Dzunwini (see Dzundwini), E Punda Milia	South Africa		22° 46' 00" S 31° 10' 00" E	
E Kamombonde 86, 18 km S, 6 km E Omaruru (see also: Omaruru, 18 km S, 6 km E)	Namibia		21° 30' 00" S 15° 56' 00" E	
E.A.T.R.O. Field Station	Uganda		0° 12' 00" N 33° 54' 00" E	
Ea (see Tarabulus)	Libya		32° 53' 33" N 13° 10' 48" E	6 m
Eagles Nest Farm, Soutpansberg	South Africa		22° 58' 26" S 29° 55' 59" E	1277 m
Eala	Congo (Democratic Republic of the)		0° 04' 00" N 18° 17' 00" E	301 m
East Africa	East Africa			
East Channel, E shore (see also: Houareau passe)	Seychelle Islands	ca.	9° 22' 00" S 46° 27' 00" E	
East coast of Africa (see Africa, east coast)	East coast of Africa			
East Coast, probably (see also: Côte Est, probablement)	Madagascar			
East Darfur state	Sudan			
East Equatoria state (see also: Sharq al Istiwa'iyah state |PC:EE|)	South Sudan			
East Grassfield	Liberia	ca.	7° 29' 20" N 8° 34' 15" W	
East Kasai (former) province (see Kasai Oriental (former) province), see Sankuru, Lomani or Kasai Oriental provinces	Congo (Democratic Republic of the)			
East Kasai province (see Kasai Oriental province)	Congo (Democratic Republic of the)			
East Kyabe (see Kijabe)	Kenya		0° 56' 00" S 36° 34' 00" E	2049 m
East London (see also: Oos-Londen)	South Africa		33° 00' 00" S 27° 55' 00" E	20 m
East Shore, Lake Abiata	Ethiopia			
East Usambara mountains	Tanzania			
Eastern (former) province	Kenya			
Eastern Africa	Eastern Africa			
Eastern Cape province	South Africa			
Eastern Congo	Congo (Democratic Republic of the)			
Eastern desert of Egypt	Egypt	ca.	22° 00' 00" N 35° 00' 00" E	
Eastern Luachi (see Luachi River)	Zambia		14° 59' 00" S 22° 27' 00" E	
Eastern Madagascar	Madagascar			
Eastern prefecture (see also: Kibungo (former) prefecture)	Rwanda			
Eastern province	Sierra Leone			
Eastern province	Zambia			
Eastern region	Uganda			
Eastern region	Ghana			
Eastern Shores (see Eastern Shores State Forest)	South Africa		28° 11' 00" S 32° 29' 00" E	
Eastern Shores Nature Reserve (see Eastern Shores State Forest)	South Africa		28° 11' 00" S 32° 29' 00" E	
Eastern Shores State Forest (see also: Eastern Shores, Eastern Shores Nature Reserve, Greater St. Lucia Wetland Park)	South Africa		28° 11' 00" S 32° 29' 00" E	
Eausiro W 100, 35 km N, 27 km W Omaruru (see also: Omaruru, 35 km N, 27 km W)	Namibia			
Eausiro, 27 km W and 100 km W (see Omaruru, 37 km N)	Namibia		20° 58' 00" S 15° 18' 00" E	
Ebaleni	Swaziland		26° 15' 49" S 31° 56' 42" E	
Ebalowa, between Evinayong and Niefang	Equatorial Guinea	ca.	1° 35' 37" N 10° 20' 05" E	400 m
Ebam, 15 km SE	Cameroon		3° 46' 00" N 12° 57' 00" E	694 m
Ebarak (see Ebarakh)	Senegal		12° 37' 59" N 12° 52' 22" W	108 m
Ebarakh (see also: Ebarak)	Senegal		12° 37' 59" N 12° 52' 22" W	108 m
Ebb-And-Flow (see also: Wildernis, 1 km N, 3 km E)	South Africa		33° 59' 00" S 22° 36' 00" E	30 m
Ebéva (see also: Ebewa)	Togo		7° 31' 00" N 1° 05' 00" E	212 m

Ebewa (see Ebéva)	Togo		7° 31' 00" N 1° 05' 00" E	212 m
Ebinayon (see Evinayong)	Equatorial Guinea		1° 26' 12" N 10° 33' 04" E	628 m
Ebinayong (see Evinayong)	Equatorial Guinea		1° 26' 12" N 10° 33' 04" E	628 m
Ebineyon (see Evinayong)	Equatorial Guinea		1° 26' 12" N 10° 33' 04" E	628 m
Ebinoyon (see Evinayong)	Equatorial Guinea		1° 26' 12" N 10° 33' 04" E	628 m
Ebogo, 10 km SW Mbalmayo	Cameroon		3° 24' 00" N 11° 28' 00" E	316 m
Ebolowa	Cameroon		2° 54' 00" N 11° 09' 00" E	636 m
Ebolowa, 20 km ESE (see Nkoetyé)	Cameroon		2° 55' 00" N 11° 08' 00" E	
Ebonyi state	Nigeria			
Ech Chaouene (see Chefchaoune), Rif	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Echo caves (see Farm Klipfontein 407)	South Africa		24° 33' 28" S 30° 36' 28" E	
Echuya Forest Reserve	Uganda		1° 18' 00" S 29° 50' 00" E	2380 m
Ecole primaire de Chirove (see Pomoni)	Comoro Islands		12° 16' 00" S 44° 24' 00" E	0 m
Ecuco River (see Río Ecuco)	Equatorial Guinea		1° 49' 50" N 9° 44' 43" E	
Ecucu (see also: Ekuku, Etiani's, Etiany)	Equatorial Guinea		1° 50' 00" N 9° 45' 00" E	548 m
Ecucu River (see Río Ecuco)	Equatorial Guinea		1° 49' 50" N 9° 44' 43" E	
Edanga (see Enganga), 66 km W Kedougou	Senegal	ca.	12° 30' 00" N 12° 45' 00" W	
Edéa	Cameroon		3° 48' 00" N 10° 08' 00" E	25 m
Eden district	South Africa			
Edenburg, Roodepoort [105]	South Africa		29° 44' 00" S 25° 56' 00" E	1375 m
Edenville	South Africa		27° 33' 00" S 27° 41' 00" E	1500 m
Edenville, 6 mi [=9.7 km] W (see Waaghoek [Farmstead])	South Africa		27° 33' 00" S 27° 35' 00" E	1500 m
Edfina (see Idfina)	Egypt		31° 17' 37" N 30° 30' 45" E	1 m
Edfou (see Idfu)	Egypt		24° 58' 00" N 32° 52' 00" E	86 m
Edfu (see Idfu)	Egypt		24° 58' 00" N 32° 52' 00" E	86 m
Edifou	Togo		7° 29' 00" N 0° 58' 00" E	231 m
Edina (see Elmina)	Ghana		5° 05' 00" N 1° 21' 00" W	0 m
Edo state	Nigeria			
Edouard, lac (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Édouard, lac (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Edubiase, 15 mi [=24 km] S (see New Edubiase)	Ghana		6° 04' 00" N 1° 24' 00" W	152 m
Edward meer (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Edward Nyanza (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Edward, lake (see also: Albert Edward Nyanza, Édouard, lac, Edward Nyanza, Eward meer, Idi Amin Dada, lake, Idi Amine, lac, Lake Edward, Lake Idi Amin Dada)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Edward, lake (see also: Albert Edward Nyanza, Edouard, lac, Edward meer, Eward Nyanza, Idi Amin Dada, lake, Lac Edouard, Lac Idi Amine, Lake Edward, Lake Idi Amin Dada, Lake Rutanzige, Rutanzige, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Edzamangen (see also: Edzameyen)	Gabon		0° 36' 00" N 12° 44' 00" E	481 m
Edzameyen (see Edzamangen)	Gabon		0° 36' 00" N 12° 44' 00" E	481 m
Eenhana	Namibia		17° 28' 00" S 16° 20' 00" E	1108 m
Eenheid, Farm (see Farm Eenheid)	South Africa		32° 34' 03" S 18° 40' 44" E	30 m
Efeipo Krom	Ghana		4° 57' 00" N 1° 52' 00" W	
Efoetse, 6 km NE (see Grotte de Mitaho, près)	Madagascar		24° 02' 50" S 43° 45' 09" E	
Efoulan (see also: Efoulen, Efulan, Efulen, Efulén)	Cameroon		2° 47' 00" N 10° 32' 00" E	421 m
Efoulen (see Efoulan)	Cameroon		2° 47' 00" N 10° 32' 00" E	421 m
Efulan (see Efoulan)	Cameroon		2° 47' 00" N 10° 32' 00" E	421 m
Efulen (see Efoulan)	Cameroon		2° 47' 00" N 10° 32' 00" E	421 m
Efulén (see Efoulan)	Cameroon		2° 47' 00" N 10° 32' 00" E	421 m
Eganga (see Enganga), 66 km W Kedougou	Senegal	ca.	12° 30' 00" N 12° 45' 00" W	
Eggi, 4 km S (see Eji, 4 km S), N of Mahaddei	Somalia		3° 11' 00" N 45° 32' 00" E	100 m
Eglise de Bras-Panon	Réunion		20° 58' 52" S 55° 38' 35" E	
eGodeni	South Africa		28° 05' 00" S 32° 02' 01" E	
Egyambra (see Ajemra)	Ghana		4° 49' 00" N 2° 11' 00" W	0 m
Egypt	Egypt			
Ehania (see also: Ehanina)	Côte d'Ivoire		5° 14' 00" N 2° 46' 00" W	70 m
Ehanina (see Ehania)	Côte d'Ivoire		5° 14' 00" N 2° 46' 00" W	70 m
Ehlanzeli district	South Africa			
Ehomba (see also: Ehomba Mountains, Ehombo, Ehomboberge)	Namibia		17° 35' 00" S 13° 55' 00" E	800 m
Ehomba Mountains (see Ehomba)	Namibia		17° 35' 00" S 13° 55' 00" E	800 m
Ehombo (see Ehomba)	Namibia		17° 35' 00" S 13° 55' 00" E	800 m
Ehomboberge (see Ehomba)	Namibia		17° 35' 00" S 13° 55' 00" E	800 m

Eidolon land, E of Kundulungu	Congo (Democratic Republic of the)	ca.	10° 30' 00" S 27° 30' 00" E	
Eilat, 40 km N (see Wadi Araba)	Israel		29° 51' 00" N 35° 04' 00" E	
Ein Khudra (see Wadi Khu?rah)	Egypt		29° 30' 46" N 34° 03' 25" E	
Eirene farm, S of Marondera (see also: Irene Farm)	Zimbabwe		18° 23' 00" S 31° 37' 00" E	
Eirene farm (see Marondera)	Zimbabwe		18° 11' 00" S 31° 33' 00" E	1688 m
Eiseb river, 7 km ESE Vet fence, Therosvallei (see also: Vet fence, 7 km ESE)	Namibia		20° 37' 30" S 20° 07' 30" E	
Eji, 4 km S, N of Mahaddei (see also: Eggi, 4 km S)	Somalia		3° 11' 00" N 45° 32' 00" E	100 m
Ekiti state	Nigeria			
Ekododo	Equatorial Guinea	ca.	0° 56' 00" N 9° 58' 00" E	
Ekona, Chop farm (see also: Ekowa)	Cameroon		4° 15' 00" N 9° 19' 00" E	1067 m
Ekongolo Sanaga, near Nachtigal	Cameroon		4° 21' 00" N 11° 41' 00" E	
Ekowa (see Ekona)	Cameroon		4° 15' 00" N 9° 19' 00" E	1067 m
Ekuko River (see Río Ecuco)	Equatorial Guinea		1° 49' 50" N 9° 44' 43" E	
Ekuku (see Ecucu)	Equatorial Guinea		1° 50' 00" N 9° 45' 00" E	548 m
Ekuku River (see Río Ecuco)	Equatorial Guinea		1° 49' 50" N 9° 44' 43" E	
Ekuphakameni High School	Swaziland		26° 48' 00" S 31° 09' 00" E	
Ekurhuleni district	South Africa			
EKZN Wildlife Headquarters	South Africa		29° 33' 59" S 30° 19' 15" E	
El A'agab (see Al A'qab)	Egypt		24° 15' 00" N 32° 54' 00" E	166 m
El A'aqab (see Al A'aqab)	Egypt		24° 15' 00" N 32° 54' 00" E	252 m
El Aaraich (see Larache)	Morocco		35° 11' 24" N 6° 09' 00" W	55 m
El 'Abbasiya (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
El Abiar (see Al Abyar)	Libya		32° 11' 25" N 20° 35' 45" E	274 m
El Abrad, Dinder river	Sudan			
El Ajmas (see El Akhmas tribal area)	Morocco	ca.	35° 04' 45" N 5° 19' 43" W	
El Akhmas tribal area (see also: Akhmas , El Ajmas, El Jamas, El-Amas)	Morocco	ca.	35° 04' 45" N 5° 19' 43" W	
El Amba cave (see El Amha cave)	Somalia		1° 54' 12" N 45° 04' 57" E	
El Amha cave (see Raas Boqol iyoToban iyo Afar), 5.5 km S, 11.5 km W Gesira (see also: El Amba cave)	Somalia		1° 54' 12" N 45° 04' 57" E	
El Aouaria (see El Aouaria) (see also: Al Huwariyah, Al Huwwariyah, Al Huwwariyah cave, Aquilaria, El Aouaria, El Awaria, El Haouaria, El Haouaria cave, El Houaria)	Tunisia		37° 03' 00" N 11° 01' 00" E	
El A'qab (see Al A'qab)	Egypt		24° 15' 00" N 32° 54' 00" E	166 m
El Aqsur (see Al Uqsur)	Egypt		25° 41' 00" N 32° 39' 00" E	76 m
El Arish (see Al'Arish)	Egypt		31° 07' 34" N 33° 48' 07" E	33 m
El Awaria (see El Aouaria)	Tunisia		37° 03' 00" N 11° 01' 00" E	
El Badrshein (see Al Badrashayn)	Egypt		29° 51' 00" N 31° 16' 00" E	21 m
El Bawiti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
El Bawîti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
El Bayadh province	Algeria			
El Beida (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
El Bur to El Der, road between	Somalia	ca.	4° 40' 00" N 46° 30' 00" E	
El Faiyûm (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
El Feyja National Park Headquarters (see also: Feija National Park Headquarters)	Tunisia		36° 30' 02" N 8° 18' 41" E	
El Fostat (see Misr al Qadimah)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
El Fustat (see Misr al Qadimah)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
El Garef (see Al Garef)	Sudan		12° 03' 00" N 34° 19' 00" E	428 m
El Garet (see Al Garef)	Sudan		12° 03' 00" N 34° 19' 00" E	428 m
El Gebel el Ahmar (see Al Jabal al A?mar)	Egypt		30° 03' 00" N 31° 18' 00" E	
El Gezira (see Jazirat az Zamalik)	Egypt		30° 03' 24" N 31° 13' 19" E	
El Gizeh	Egypt		30° 05' 10" N 31° 12' 44" E	17 m
El Goléa (see also: El Golea)	Algeria		30° 34' 00" N 2° 53' 00" E	423 m
El Goléa (see also: El Golea)	Algeria		36° 13' 10" N 2° 46' 21" E	700 m
El Golea (see El Goléa)	Algeria		36° 13' 10" N 2° 46' 21" E	700 m
El Golea (see El Goléa)	Algeria		30° 34' 00" N 2° 53' 00" E	423 m
El Guan, 1 mi W Mersa Matruh (see also: Mersa Matruh, 1 mi [=1.6 km] W)	Egypt	ca.	31° 22' 00" N 27° 07' 00" E	
El Gueisi (see Al Quwaysi), Dinder	Sudan		13° 21' 00" N 34° 07' 00" E	396 m
El Hajeb prefecture	Morocco			
El Hamma (see also: Al ?ammah, El Hamma de Gabès, El Hamma de l'Arad, El Hammah)	Tunisia		33° 54' 00" N 9° 48' 00" E	58 m
El Hamma de Gabès (see El Hamma)	Tunisia		33° 54' 00" N 9° 48' 00" E	58 m

El Hamma de l'Arad (see El Hamma), near Gabès	Tunisia		33° 54' 00" N 9° 48' 00" E	58 m
El Hammah (see El Hamma), near Gabès	Tunisia		33° 54' 00" N 9° 48' 00" E	58 m
El Hammam (see Bulla Regia), 7 km NNW Jendouba	Tunisia		36° 33' 30" N 8° 44' 48" E	
El Haouaria (see El Aouaria)	Tunisia		37° 03' 00" N 11° 01' 00" E	
El Haouaria cave (see El Aouaria)	Tunisia		37° 03' 00" N 11° 01' 00" E	
El Haouaria, 1.5 km NE	Tunisia	ca.	37° 03' 37" N 11° 01' 22" E	
El Haouaria, 2 km N	Tunisia		37° 04' 08" N 11° 00' 39" E	
El Haouaria, 2 km NE	Tunisia		37° 03' 49" N 11° 01' 36" E	
El Haouaria, 4 km NE (see Bat cave)	Tunisia		37° 05' 00" N 11° 03' 00" E	
El Homar Cataract (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
El Houaria (see El Aouaria), Cap Bon	Tunisia		37° 03' 00" N 11° 01' 00" E	
El Huaria cave (see Bat cave), 4 km NE El Haouaria	Tunisia		37° 05' 00" N 11° 03' 00" E	
El Huthera island (see Pemba island)	Tanzania		5° 10' 00" S 39° 48' 00" E	
El Iskandariya (see Al Iskandariyah)	Egypt		31° 11' 53" N 29° 55' 09" E	4 m
El Jadida prefecture	Morocco			
El Jamas (see El Akhmas tribal area)	Morocco	ca.	35° 04' 45" N 5° 19' 43" W	
El Jebel el Ahmar (see Al Jabal al A?mar)	Egypt		30° 03' 00" N 31° 18' 00" E	
El Jebelein (see Aj Jabalen)	Sudan		12° 35' 25" N 32° 48' 03" E	380 m
El Kahira (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
El Kahirah (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
El Karnak (see Al Karnak), near Luxor	Egypt		25° 41' 00" N 32° 39' 00" E	
El Kelaâ des Sraghna prefecture	Morocco			
El Kelaa n'Tazarine (see Tazarine)	Morocco		33° 52' 48" N 4° 10' 48" W	1395 m
El Khârga (see El Wadi El Gedid governorate)	Egypt		25° 26' 00" N 30° 33' 00" E	32 m
El Kharnâk (see Al Karnak), near Luxor	Egypt		25° 41' 00" N 32° 39' 00" E	
El Kha?a?ba (see Al Khatatibah)	Egypt		30° 23' 00" N 30° 50' 00" E	21 m
El Kohol	Algeria		33° 03' 16" N 1° 28' 19" E	
El Kusur (see Al Uqsur)	Egypt		25° 41' 00" N 32° 39' 00" E	76 m
El Lagowa (see Al Lagowa)	Sudan		11° 24' 00" N 29° 08' 00" E	560 m
El Lâhûn (see Al Lahun)	Egypt		29° 13' 09" N 30° 58' 42" E	5 m
El Lisht (see Lahun)	Egypt		29° 34' 00" N 31° 14' 00" E	15 m
El Ma`abda (see Al Ma'abidah)	Egypt		27° 20' 20" N 31° 01' 30" E	47 m
El Ma'âbda (see Al Ma'abidah)	Egypt		27° 20' 20" N 31° 01' 30" E	47 m
El Ma'adi (see Al Ma'adi)	Egypt		29° 58' 00" N 31° 15' 00" E	
El Maabdeh, cave (see Al Ma'abidah)	Egypt		27° 20' 20" N 31° 01' 30" E	47 m
El Mansuriya (see Al Mansuriyah)	Egypt		30° 08' 13" N 31° 04' 17" E	28 m
El Mansuriya, 4 km W (see Al Mansuriyah, 4 km W)	Egypt	ca.	30° 08' 13" N 31° 04' 17" E	
El Maryût (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	
El Milga	Egypt		28° 33' 22" N 33° 58' 33" E	
El Molo island, 6 km from Loiyangalani (see also: Loiyangalani, 6 km from)	Kenya	ca.	2° 51' 00" N 36° 42' 00" E	
El Obeid (see Al Ubayyi?)	Sudan		13° 11' 00" N 30° 13' 00" E	609 m
El Oued province	Algeria			
El Ouidiane abandoned coal mine, ca 60 km E Tunis (see also: Tunis, ca 60 km E)	Tunisia		36° 48' 10" N 10° 51' 07" E	
El Oussera (see Ain Oussera)	Algeria		35° 27' 05" N 2° 54' 21" E	683 m
El Qaseibaiya (see Ba?r at Tubat)	Libya		29° 36' 28" N 24° 52' 46" E	
El Qasr (see Al Qasr), 5 mi W Mersa Matruh	Egypt		31° 22' 00" N 27° 07' 00" E	20 m
El Qasr, 1 mi [=1.6 km] W (see El Sheikh Salem)	Egypt	ca.	31° 22' 00" N 27° 07' 00" E	
El Qatta	Egypt		22° 43' 00" N 32° 04' 00" E	172 m
El Qusur (see Al Uqsur)	Egypt		25° 41' 00" N 32° 39' 00" E	76 m
El Qweisi (see Al Quwaysi), Dinder	Sudan		13° 21' 00" N 34° 07' 00" E	396 m
El Rashda (see Ar Rashidah)	Egypt		25° 34' 57" N 28° 56' 28" E	104 m
El Renk (see Ar Rank)	South Sudan		11° 45' 00" N 32° 48' 00" E	371 m
El Rif (see Er Rif)	Morocco		35° 00' 00" N 4° 00' 00" W	
El Sadi (see Wajir)	Kenya		1° 44' 50" N 40° 03' 26" E	
El Serifa (see Surayfah)	Sudan		11° 28' 00" N 34° 32' 00" E	467 m
El Seweis (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
El Sheikh Salem, 1 mi W El Qasr (see also: El Qasr, 1 mi [=1.6 km] W)	Egypt	ca.	31° 22' 00" N 27° 07' 00" E	
El Suweis (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
El Tarf province	Algeria			
El Ubeiyad (see Al Ubayyi?)	Sudan		13° 11' 00" N 30° 13' 00" E	609 m
El Uqsor (see Al Uqsur)	Egypt		25° 41' 00" N 32° 39' 00" E	76 m
El WaPC:WJ|) (see also: Al-Kharga, El Khârga, El-Charge, Kharga Oasis, Temple of Hibis)	Egypt			
El Wâyet Shakshuk (see Shakshuk)	Egypt		29° 27' 46" N 30° 42' 26" E	
El Wilidiya (see Al Walidiyah)	Egypt		27° 12' 00" N 31° 10' 00" E	35 m
Ela Nguema (see Ciudad de Ela Nguema)	Equatorial Guinea		3° 45' 00" N 8° 47' 00" E	107 m
Ela Nguena (see Ciudad de Ela Nguema)	Equatorial Guinea		3° 45' 00" N 8° 47' 00" E	107 m
El-'Aiyat (see Saqqarah)	Egypt		29° 51' 00" N 31° 13' 00" E	19 m
El-Aksur (see Al Uqsur)	Egypt		25° 41' 00" N 32° 39' 00" E	76 m
El-Amas (see El Akhmas tribal area)	Morocco	ca.	35° 04' 45" N 5° 19' 43" W	
Elan - Guema (see Ciudad de Ela Nguema)	Equatorial Guinea		3° 45' 00" N 8° 47' 00" E	107 m
Elandsbaai, 1.2 km S, 0.2 km E (see Rhebok Plaat Berg)	South Africa		32° 19' 19" S 18° 20' 29" E	60 m

Elandsbaai, 28.4 km S, 31.7 km E (see Farm Eenheid)	South Africa		32° 34' 03" S 18° 40' 44" E	30 m
Elandsbaai, 9.9 km S, 12.3 km E (see Farm Groote Drift)	South Africa		32° 24' 00" S 18° 28' 23" E	10 m
Elandsberg, Farm 198 (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Elandsfontein Phosphate mine (see also: Hopefield mine)	South Africa		33° 05' 46" S 18° 11' 59" E	
Elandsfontein, Farm 435KT (see Bourke's Luck)	South Africa		24° 39' 00" S 30° 49' 00" E	
Elandsklip, P.K. Santa, Belfast	South Africa		25° 20' 00" S 30° 10' 00" E	
Elanguena (see Ciudad de Ela Nguema)	Equatorial Guinea		3° 45' 00" N 8° 47' 00" E	107 m
El-'Arîsh (see Al'Arish)	Egypt		31° 07' 34" N 33° 48' 07" E	33 m
Elat	Cameroon		2° 40' 00" N 10° 51' 00" E	
El-Badrshein (see Al Badrashayn)	Egypt		29° 51' 00" N 31° 16' 00" E	21 m
El-Bur (see Ceelbuur)	Somalia		4° 41' 00" N 46° 37' 00" E	152 m
El-Charge (see El Wadi El Gedid governorate)	Egypt		25° 26' 00" N 30° 33' 00" E	32 m
Eldoinyo Lengamlo, 96 mi from Nairobi (see also: Granite Hills, Mombaso Road, Simba)	Kenya		2° 10' 00" S 37° 33' 00" E	
Eldorado, Farm 66 (see Bultfontein), Bultfontein	South Africa		28° 56' 00" S 25° 57' 00" E	
eLegogoto, mountain, Nelspruit (see also: Legogoto, Logogoto, Logogotu, Lugogodo, Mount eLegogoto)	South Africa		25° 14' 00" S 31° 05' 00" E	
Elem Kalabari (see also: Old Calabar)	Nigeria		4° 34' 27" N 6° 58' 33" E	380 m
Elemina (see Elmina)	Ghana		5° 05' 00" N 1° 21' 00" W	0 m
Elephant Vlei (see Olifants Vlei)	Namibia		17° 30' 00" S 18° 00' 00" E	
Elephant Vley (see Olifants Vlei)	Namibia		17° 30' 00" S 18° 00' 00" E	
Elephants camp, 12 km E (see Bangu gorge caves)	South Africa		24° 07' 00" S 31° 52' 00" E	
El-Fgeg (see Al Fujayj)	Libya		26° 32' 32" N 13° 18' 39" E	597 m
Elgeyo Marakwet county	Kenya			
El-Ghardaqa (see Al Ghardaqah)	Egypt		27° 08' 00" N 33° 50' 00" E	
El-Giagbúb (see Al Jaghbub)	Libya		29° 44' 33" N 24° 31' 04" E	0 m
El-Gîza	Egypt		30° 05' 10" N 31° 12' 44" E	17 m
Elgon caves (see Mount Elgon Caves)	Kenya		0° 52' 00" N 34° 27' 00" E	1951 m
Elgon Forest	Kenya		0° 58' 00" N 34° 40' 00" E	1951 m
Elgon, Mount (see Mount Elgon) (see also: Ligonyi, Masaba, Masawa)	Uganda		1° 08' 00" N 34° 33' 00" E	
Elgon, Mount (see Mount Elgon)	Kenya	ca.	1° 04' 00" N 34° 34' 00" E	
Elgon, SE slope of Mount (see Mount Elgon, SE slope)	Kenya	ca.	0° 59' 00" N 34° 38' 00" E	
Elgorriaga Farm, Rió Boshao	Equatorial Guinea		3° 41' 28" N 8° 39' 15" E	
Elias Garcia, 150 km SSE Dundo (see also: Chá Cassau, Dundo, 150 km SSE, Sha Kazau, Sombo, Xa Cassai, Xá Cassau)	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Elila	Congo (Democratic Republic of the)		2° 43' 00" S 25° 53' 00" E	486 m
Elim, Gazankulu (see also: Elim Hospital)	South Africa		23° 09' 00" S 30° 04' 00" E	784 m
Elim Hospital (see Elim), Gazankulu	South Africa		23° 09' 00" S 30° 04' 00" E	784 m
Elim, 17.5 km S, 5.7 km W (see Farm Ratelfontein)	South Africa		34° 44' 50" S 19° 41' 45" E	30 m
Elima and Cape Coast, between	Ghana	ca.	5° 05' 00" N 1° 15' 00" W	
Elisabetha (see also: Elizabetha)	Congo (Democratic Republic of the)		1° 09' 00" N 23° 36' 00" E	428 m
Elisabethstad (see Lubumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 26' 00" E	1209 m
Elisabethville (see Lubumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 26' 00" E	1209 m
Elizabeth lake (see Kariba, lake)	Zimbabwe		17° 00' 00" S 28° 00' 00" E	
Elizabetha (see Elisabetha)	Congo (Democratic Republic of the)		1° 09' 00" N 23° 36' 00" E	428 m
Elizabethville (see Lubumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 28' 00" E	1208 m
Eljani (see Heljani)	Algeria		35° 42' 00" N 0° 37' 00" W	121 m
Ellingham	South Africa		30° 19' 00" S 30° 42' 00" E	
Elliot, Ben Becula	South Africa		31° 20' 00" S 27° 51' 00" E	1430 m
Elliotdale (see also: Xhora)	South Africa		31° 58' 00" S 28° 41' 00" E	534 m
El-Lisht (see Al Lisht)	Egypt		29° 34' 00" N 31° 14' 00" E	15 m
El-Lisht (see Lahun)	Egypt		29° 34' 00" N 31° 14' 00" E	15 m
Ellisras, 10 km NE (see Farm Tambotiekloof 601)	South Africa		23° 54' 00" S 27° 41' 00" E	
Ellisras, 10 km NE (see Neiman's Farm)	South Africa		23° 37' 59" S 27° 49' 01" E	
Ellisras, 11 km SE (see D'Nyala Provincial Nature Reserve)	South Africa		23° 45' 00" S 27° 48' 00" E	
Ellisras, 128 km NW (see Farm Buren)	South Africa		23° 37' 00" S 27° 52' 00" E	
Elloby	Equatorial Guinea			
El-Man?ûrîya (see Al Mansuriyah)	Egypt		30° 08' 13" N 31° 04' 17" E	28 m
Elmenteita, 3 km N, 14 km E (see Gilgil)	Kenya		0° 29' 23" S 36° 18' 43" E	1962 m
Elmenteita, lake (see also: En Munteita, Lake Elmenteita, Ol Muteita)	Kenya		0° 26' 25" S 36° 14' 34" E	1829 m
Elmenteita, near	Kenya		0° 29' 00" S 36° 09' 00" E	1981 m

Elmina (see also: Dena, Edina, Elemina, Fort St. George, Saint George Del Mina, St. George d'Elmina)	Ghana		5° 05' 00" N 1° 21' 00" W	0 m
Eloffshoek, Farm (see Farm Eloffshoek)	South Africa		31° 53' 42" S 23° 36' 52" E	1100 m
El-Qâhira (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
El-Qulzum (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
El-Simbillâwein (see As Sinbillawayn)	Egypt		30° 52' 55" N 31° 27' 47" E	11 m
El-Tor (see At Tur)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
El-Tûr (see Asakra) (see also: Ain el Furtaga , Ayn al Furtajah, Ayn al Furtajah)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
El-Tur (see At Tur)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
Elwa swamp	Liberia	ca.	6° 14' 00" N 10° 42' 00" W	
Embe	Congo (Democratic Republic of the)		4° 40' 00" N 29° 31' 00" E	
Embu Boma	Kenya			
Embu county	Kenya			
Embu, 10 mi [=16 km] W (see Nyamindi)	Kenya		0° 40' 00" S 37° 25' 00" E	1463 m
Emfundisweni (see Mfundisweni)	South Africa		30° 54' 00" S 29° 32' 00" E	900 m
Emfundusweni (see Mfundisweni)	South Africa		30° 54' 00" S 29° 32' 00" E	900 m
Empangeni, 14 km NE (see Enseleni Nature Reserve)	South Africa		28° 41' 22" S 32° 00' 12" E	
Empangeni, 17 km N, 15 km W (see Ntambanana [farmstead])	South Africa		28° 36' 13" S 31° 44' 32" E	250 m
Empisini Nature Reserve, 1.5 km NWW Umkomaas (see also: Umkomaas, 1.5 km NWW)	South Africa		30° 12' 00" S 30° 48' 00" E	19 m
Emseleni (see Mseleni)	South Africa		27° 19' 00" S 32° 32' 00" E	76 m
En Doinyo Ngiro (see Ngiro), 10 km E Morr	Kenya		1° 44' 00" N 36° 09' 00" E	
En Doinyo Nyiro (see Ngiro), 10 km E Morr	Kenya		1° 44' 00" N 36° 09' 00" E	
En Munteita (see Elmenteita, lake)	Kenya		0° 26' 25" S 36° 14' 34" E	1829 m
En Nabbaka [wells] (see An Nabbakah [wells])	Sudan		12° 36' 00" N 29° 56' 00" E	
Enaiposha (see Naivasha, lake)	Kenya		0° 46' 00" S 36° 21' 00" E	6000 ft
Enchalé (see Enxalé)	Guinea-Bissau		11° 59' 00" N 14° 58' 00" W	8 m
Encure	Equatorial Guinea			
Endebess (see also: Endeblesa)	Kenya		1° 04' 00" N 34° 51' 00" E	1929 m
Endebess, 3 mi [=4.8 km] W	Kenya		1° 07' 01" N 34° 49' 01" E	2134 m
Endeblesa (see Endebess), NE Elgon	Kenya		1° 04' 00" N 34° 51' 00" E	
Endoposei river, Base of Ngur[u]man escarpment, near Kamela	Kenya		1° 45' 00" S 36° 02' 00" E	
Enfida, Bou Ficha (see also: An Nafi?ah, Dar el Bey, Enfidarille, Enfidaville, Envidaville)	Tunisia		36° 08' 07" N 10° 22' 51" E	12 m
Enfidarille (see Enfida), Bou Ficha	Tunisia		36° 08' 07" N 10° 22' 51" E	12 m
Enfidaville (see Enfida), Bou Ficha	Tunisia		36° 08' 07" N 10° 22' 51" E	12 m
Enganga, 66 km W Kedougou (see also: Edanga, Eganga, Kedougou, 66 km W)	Senegal	ca.	12° 30' 00" N 12° 45' 00" W	
Engare Narok River (see also: Ngare Narok River)	Kenya	ca.	1° 12' 48" S 35° 52' 50" E	
Engaruka, near Ngorongoro Conservation area (see also: Engruka, Ngaruka)	Tanzania		2° 59' 00" S 35° 57' 00" E	982 m
Engcobo	South Africa		31° 40' 00" S 27° 59' 00" E	900 m
Engeremgere	Engeremgere			
Engong, near Río Lobo, Evinayong	Equatorial Guinea		1° 53' 00" N 10° 17' 00" E	325 m
Engruka (see Engaruka)	Tanzania		2° 59' 00" S 35° 57' 00" E	982 m
Enkeldoornspoort, Farm 207 (see Farm Enkeldoornspoort 207), 16 km SE Rust de Winter	South Africa		25° 18' 00" S 28° 40' 00" E	
Enkombe Sawmill	Uganda		0° 16' 48" S 30° 07' 12" E	1480 m
Ennedi	Chad	ca.	17° 15' 00" N 22° 00' 00" E	
Ennedi Est region	Chad			
Ennedi Ouest region	Chad			
Enneri Dourao (see Enneri Zouarké)	Chad		20° 25' 00" N 16° 05' 00" E	
Enneri Zouarké (see also: Enneri Dourao, Zouarké, well)	Chad		20° 25' 00" N 16° 05' 00" E	
Enseleni Nature Reserve, 14 km NE Empangeni (see also: Empangeni, 14 km NE)	South Africa		28° 41' 22" S 32° 00' 12" E	
Ensorc (see Nsok)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
Entabeni State Forest, Soutpansberg, 30 km E Louis Trichardt	South Africa		23° 02' 07" S 30° 11' 33" E	
Entebbe, (ex North Buganda province?)	Uganda		0° 03' 52" N 32° 26' 49" E	1132 m
Entebbe, 60 mi [=90 km] W	Uganda			3 700 ft
Entebbe, near	Uganda	ca.	0° 03' 52" N 32° 26' 49" E	3800 ft
Entouna mine, 23.5 km SE Tunis, on GP1, 2 km W of highway (see also: Tunis, 23.5 km SE)	Tunisia		36° 39' 11" N 10° 21' 57" E	

Entumeni Nature Reserve	South Africa		28° 53' 03" S 31° 22' 15" E	
Enugu state	Nigeria			
Enugu-Ezike (see also: Independence Layout)	Nigeria		6° 58' 58" N 7° 27' 19" E	508 m
Envidaville (see Enfida), Bou Ficha	Tunisia		36° 08' 07" N 10° 22' 51" E	12 m
Envirotrade site	Mozambique		18° 58' 42" S 34° 10' 33" E	
Envuba River (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Enxalé (see also: Enchalé)	Guinea-Bissau		11° 59' 00" N 14° 58' 00" W	8 m
Eolá River (see Baney)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Eouo (see Ewo)	Congo		0° 52' 21" S 14° 49' 14" E	532 m
Epana (see Epéna)	Congo		1° 21' 09" N 17° 27' 09" E	376 m
Epéna (see also: Epana)	Congo		1° 21' 09" N 17° 27' 09" E	376 m
Epéna district	Congo			
Epoulan	Epoulan			
Epulu	Congo (Democratic Republic of the)		1° 23' 45" N 28° 34' 40" E	750 m
Epulu, 13 km E	Congo (Democratic Republic of the)	ca.	1° 24' 00" N 28° 35' 00" E	750 m
Epulu, 2 km W, Epulu river, right bank	Congo (Democratic Republic of the)	ca.	1° 23' 45" N 28° 34' 40" E	750 m
Epulu, 6 km S, 2 km W	Congo (Democratic Republic of the)	ca.	1° 23' 45" N 28° 34' 40" E	750 m
Epupa Falls, Cunene River (see also: Monte Negro, Queaas do, Montenegro Fälle, Quedas Montenegro)	Namibia		17° 00' 00" S 13° 15' 00" E	
Equateur (former) province, see Equateur, Tshuapa, Sud Ubangi, Nord Ubangi or Mongala provinces (see also: Evenaarsprovincie)	Congo (Democratic Republic of the)			
Equateur province	Congo (Democratic Republic of the)			
Equatoria	South Sudan			
Equatorial Guinea	Equatorial Guinea			
Er Rachidia prefecture (see Errachidia prefecture)	Morocco			
Er Rashda (see Ar Rashidah)	Egypt		25° 34' 57" N 28° 56' 28" E	104 m
Er Renk (see Ar Rank)	South Sudan		11° 45' 00" N 32° 48' 00" E	371 m
Er Rif (see also: Atlas Rifain, El Rif, Er Riff, Rif, Riff)	Morocco		35° 00' 00" N 4° 00' 00" W	
Er Riff (see Er Rif)	Morocco		35° 00' 00" N 4° 00' 00" W	
Erasmus (see Bronkhorstspruit)	South Africa		25° 48' 30" S 28° 44' 26" E	1375 m
Erer valley (see Erer Wenz)	Ethiopia		7° 34' 00" N 42° 02' 00" E	
Erer Wenz (see also: Arer valley, Erer valley, Errer valley)	Ethiopia		7° 34' 00" N 42° 02' 00" E	
Erfplaas windmill, 12 km E Phalaborwa gate	South Africa		23° 57' 00" S 31° 07' 00" E	
Erg Merzouga, sandy desert (see also: Merzouga dunes)	Morocco		31° 04' 16" N 3° 59' 01" W	
Ericorico river (see Río Ericorico), 3 km on Malabo - Riaba road	Equatorial Guinea	ca.	3° 44' 10" N 8° 49' 34" E	
Eringete (see Eringite)	Congo (Democratic Republic of the)		0° 51' 00" N 29° 37' 00" E	1270 m
Eringite (see also: Eringete, Iringite)	Congo (Democratic Republic of the)		0° 51' 00" N 29° 37' 00" E	1270 m
Eritrea	Eritrea			
Erkovit (see Erkowit)	Sudan		18° 46' 00" N 37° 07' 00" E	1162 m
Erkowit (see also: Erkovit)	Sudan		18° 46' 00" N 37° 07' 00" E	1162 m
Ermelo	South Africa		26° 31' 00" S 29° 59' 00" E	1700 m
Eronga Mountains (see Erongo Mountains)	Namibia		21° 40' 00" S 15° 40' 00" E	
Erongo Mountains (see also: Eronga Mountains, Erongoberge, Erongo-Gebirge)	Namibia		21° 40' 00" S 15° 40' 00" E	
Erongo region	Namibia			
Erongoberge (see Erongo Mountains)	Namibia		21° 40' 00" S 15° 40' 00" E	
Erongo-Gebirge (see Erongo Mountains)	Namibia		21° 40' 00" S 15° 40' 00" E	
Erongorus Usakos, Ombu	Namibia		21° 44' 00" S 15° 29' 00" E	
Errachidia prefecture (see also: Ar Rashidiyah prefecture, Er Rachidia prefecture, Ksar es Souk prefecture, Ksar-es-Suk prefecture, Rachidia prefecture, Tafilalt prefecture)	Morocco			
Errer valley (see Erer Wenz)	Ethiopia		7° 34' 00" N 42° 02' 00" E	
Es Simbillawein (see As Sinbillawayn)	Egypt		30° 52' 55" N 31° 27' 47" E	11 m
Es Suira (see Essaouira)	Morocco		31° 30' 47" N 9° 46' 11" W	11 m
Es Suweis (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m

Esamang, 32 mi [=51.5 km] W (see Prestea, 32 mi [=51.5 km] W)	Ghana		5° 23' 00" N 2° 28' 00" W	
Escape Farm, Chipata	Zambia			
Escombe, Durban, Queensburgh	South Africa		29° 52' 00" S 30° 54' 00" E	71 m
Eséka	Cameroon		3° 39' 00" N 10° 46' 00" E	245 m
(see also: Eseka)				
Eseka (see Eséka)	Cameroon		3° 39' 00" N 10° 46' 00" E	245 m
Eséka, 15 km SW	Cameroon	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 15 km W	Cameroon	ca.	3° 40' 00" N 10° 45' 00" E	
Eseka, 3 km S, 3 km W	Cameroon		3° 37' 00" N 10° 45' 00" E	
Eséka, 3 km S, 3 km W	Cameroon		3° 37' 00" N 10° 45' 00" E	
Eséka, 5 km SW	Cameroon		3° 37' 00" N 10° 45' 00" E	
(see also: Eseka, 5 km SW)				
Eseka, 5 km SW (see Eséka, 5 km SW)	Cameroon		3° 37' 00" N 10° 45' 00" E	
Eséka, 6 km SE	Cameroon	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 7 km N	Cameroon	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 8 km SW	Cameroon	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 9 km N	Cameroon		3° 39' 00" N 10° 46' 00" E	
(see also: Eseka, 9 km N)				
Eseka, 9 km N (see Eséka, 9 km N)	Cameroon		3° 39' 00" N 10° 46' 00" E	
Eséka, 9 km SE	Cameroon		3° 43' 53" N 10° 46' 00" E	
Eshobe (see Eshobi)	Cameroon		5° 47' 00" N 9° 23' 00" E	538 m
Eshobi	Cameroon		5° 47' 00" N 9° 23' 00" E	538 m
(see also: Eshobe)				
Eshowe	South Africa		28° 53' 00" S 31° 28' 00" E	
Eshowe, 8 Residency Road	South Africa		28° 53' 26" S 31° 27' 29" E	533 m
Eshowe, 4 Leigh Road	South Africa		28° 53' 29" S 31° 27' 56" E	526 m
Eshowe, 20 mi [=32 km] NW (see Jususie valley)	South Africa	ca.	28° 36' 00" S 31° 28' 00" E	
Esigodini, Falcon College	Zimbabwe		20° 18' 00" S 28° 56' 00" E	1183 m
(see also: Essexvale)				
Esimé (see Ezimé)	Togo		7° 29' 00" N 0° 56' 00" E	344 m
Esna (see Isna)	Egypt		25° 17' 36" N 32° 33' 14" E	
Esneh (see Isna)	Egypt		25° 17' 36" N 32° 33' 14" E	
Esong cave (see Moka), near Evinayong - Niefang road	Equatorial Guinea	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Esosoung (see Essosong)	Cameroon		4° 51' 37" N 9° 43' 49" E	912 m
Esperanza Tunnel, Suzela	South Africa		30° 20' 38" S 30° 37' 53" E	10 m
(see also: Beneva Tunnel)				
Essaouira	Morocco		31° 30' 47" N 9° 46' 11" W	11 m
(see also: As Suwayrah, Es Suira, Magador, Mogadar, Mogador)				
Essaouira prefecture	Morocco			
Es-Semara prefecture	Morocco			
Essexvale (see Esigodini)	Zimbabwe		20° 18' 00" S 28° 56' 00" E	1183 m
Essosong	Cameroon		4° 51' 37" N 9° 43' 49" E	912 m
(see also: Esosoung)				
Es-Suan (see Aswan)	Egypt		24° 05' 15" N 32° 53' 56" E	85 m
Est region	Burkina Faso			
Est region	Cameroon			
Estatuane (see Changalane)	Mozambique		26° 17' 29" S 32° 11' 23" E	94 m
Estatuene area	Mozambique		26° 23' 53" S 32° 05' 53" E	
Estcourt	South Africa		29° 00' 00" S 29° 53' 00" E	
Esteras, Cap (see Esterias, Cap)	Gabon		0° 37' 00" N 9° 20' 00" E	
Esterias, Cap	Gabon		0° 37' 00" N 9° 20' 00" E	
(see also: Cap Esteras, Cap Esterias, Cap Esteros, Esteras, Cap, Esteros, Cap)				
Esteros, Cap (see Esterias, Cap)	Gabon		0° 37' 00" N 9° 20' 00" E	
Eston	South Africa		29° 52' 14" S 30° 30' 24" E	688 m
Estuaire province	Gabon			
Estuary Forest Reserve	South Africa			
Esweni Camp (see Nwanedzi Camp)	South Africa		24° 27' 00" S 31° 58' 00" E	
Et Tor (see At Tur)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
Étang Salé	Réunion		21° 15' 00" S 55° 23' 00" E	20 m
(see also: Étan-Salé-les-Hauts, L'Étang-Salé)				
Étan-Salé-les-Hauts (see Étang Salé)	Réunion		21° 15' 00" S 55° 23' 00" E	20 m
Etembo	Congo (Democratic Republic of the)		0° 55' 00" N 28° 39' 00" E	832 m
eThekwini district	South Africa			
Ethiopia	Ethiopia			
Eti, mount (see Wati, mount), 32 km N Arua	Uganda		3° 13' 40" N 31° 01' 46" E	
Etiani's (see Ecucu)	Equatorial Guinea		1° 50' 00" N 9° 45' 00" E	548 m
Etiany (see Ecucu)	Equatorial Guinea		1° 50' 00" N 9° 45' 00" E	548 m
Etiés	Senegal		12° 34' 30" N 12° 26' 25" W	254 m
(see also: Etiess, Etiessé)				
Etiess (see Etiés)	Senegal		12° 34' 30" N 12° 26' 25" W	254 m
Etiessé (see Etiés)	Senegal		12° 34' 30" N 12° 26' 25" W	254 m
Etom	Equatorial Guinea		1° 19' 06" N 10° 51' 15" E	582 m

Etoscha-Pfanne (see Etosha Pan)	Namibia		18° 50' 00" S 16° 20' 00" E	3373 ft
Etosha Game Park (see Etosha National Park)	Namibia		19° 00' 00" S 16° 00' 00" E	
Etosha Game Reserve (see Etosha National Park)	Namibia		19° 00' 00" S 16° 00' 00" E	
Etosha Game Reserve (see Etosha National Park)	Namibia		19° 00' 00" S 16° 00' 00" E	
Etosha National Game Reserve (see Etosha National Park)	Namibia		19° 00' 00" S 16° 00' 00" E	
Etosha National Park (see also: Etosha Game Park, Etosha Game Reserve, Etosha Game Reserve, Etosha National Game Reserve, Nasionale Etoshawildtuin)	Namibia		19° 00' 00" S 16° 00' 00" E	
Etosha Pan (see also: Etoscha-Pfanne)	Namibia		18° 50' 00" S 16° 20' 00" E	3373 ft
Euaso Nyiro (see Ewaso Ngi'ro)	Kenya		0° 35' 00" N 37° 32' 00" E	884 m
Eureka, Farm 674 (see Farm Eureka 674), Senekal	South Africa		27° 58' 00" S 27° 35' 00" E	
Europe				
Evenaarsprovincie (see Equateur (former) province)	Congo (Democratic Republic of the)			
Everdon (see also: Everton)	South Africa		29° 27' 00" S 30° 15' 00" E	
Evergreen Campsite	Namibia		21° 26' 46" S 15° 52' 45" E	
Evergreen, Farm (see Farm Evergreen), Alldays	South Africa		22° 41' 00" S 29° 09' 00" E	
Everton (see Everdon)	South Africa		29° 27' 00" S 30° 15' 00" E	1276 m
E'ville (see Lubumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 26' 00" E	1209 m
Evinayong (see also: Ebinayon, Ebinayong, Ebineyon, Ebinoyon)	Equatorial Guinea		1° 26' 12" N 10° 33' 04" E	628 m
Evinayong - Aconibe, between (see also: Ctra Evinayong - Aconibe)	Equatorial Guinea	ca.	1° 19' 00" N 10° 45' 00" E	
Evinayong to Aconibe road, km 23 (see Noayong)	Equatorial Guinea		1° 22' 13" N 10° 42' 00" E	571 m
Evinayong, agricultural extension	Equatorial Guinea	ca.	1° 43' 00" N 10° 11' 00" E	
Evoardulu (see also: Evodulo)	Equatorial Guinea		1° 33' 29" N 10° 52' 00" E	508 m
Evodulo (see Evoardulu)	Equatorial Guinea		1° 33' 29" N 10° 52' 00" E	508 m
Evondro (see High Fanjahira, valley)	Madagascar			
Evongo (see Uvongo Beach)	South Africa		30° 50' 00" S 30° 24' 00" E	0 m
Evou - Akodegbe	Togo		7° 33' 00" N 1° 02' 00" E	
Evou (see Vou)	Togo		7° 32' 00" N 1° 02' 00" E	224 m
Evou or Atakpamé	Togo	ca.	7° 18' 00" N 1° 00' 00" E	
Evuenam (see also: Evuennam)	Equatorial Guinea		1° 29' 00" N 9° 47' 00" E	469 m
Evuennam (see Evuenam)	Equatorial Guinea		1° 29' 00" N 9° 47' 00" E	469 m
Eward meer (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Eward Nyanza (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Ewaso Ngi'ro (see also: Euaso Nyiro, Guaso Nyiro, Guaso Nyiro River)	Kenya		0° 35' 00" N 37° 32' 00" E	
Ewo (see also: Eouo)	Congo		0° 52' 21" S 14° 49' 14" E	532 m
Ewou (see Vou)	Togo		7° 32' 00" N 1° 02' 00" E	224 m
Excelsior (see also: Dresden, Farm 366, Farm 366 (Dresden), Farm Dresden 366)	South Africa		28° 56' 00" S 27° 04' 00" E	1453 m
Exfosa (see Bata)	Equatorial Guinea		1° 51' 00" N 9° 45' 00" E	
Extrême-Nord region	Cameroon			
Eye of Kuruman (see Die Oog)	South Africa		27° 27' 00" S 23° 26' 00" E	1200 m
Eyen Meyong (see Eyenméyong)	Cameroon		4° 11' 00" N 11° 13' 00" E	484 m
Eyenméyong (see also: Eyen Meyong)	Cameroon		4° 11' 00" N 11° 13' 00" E	484 m
Eyerston Farm	Zimbabwe		17° 56' 37" S 31° 03' 22" E	1450 m
Ezbet Abu Rauwâsh (see Abu Rawwash), 5 mi NW Giza	Egypt		30° 02' 44" N 31° 05' 33" E	6 m
Ezbet Abu Roash (see Abu Rawwash), 5 mi NW Giza	Egypt		30° 02' 44" N 31° 05' 33" E	6 m
Ezbet Dush (see Izbat Dush)	Egypt		24° 34' 00" N 30° 42' 00" E	77 m
Ezelfontein	South Africa		30° 27' 00" S 18° 17' 00" E	1150 m
Ezimé (see also: Esimé, Isídje)	Togo		7° 29' 00" N 0° 56' 00" E	344 m
Ezo County	South Sudan			
Ezulwini	Swaziland		26° 23' 56" S 31° 10' 01" E	
Fada N'Gourma (see also: Fada Ngourma, Fada-n-Gurma)	Burkina Faso		12° 03' 44" N 0° 21' 28" E	294 m
Fada Ngourma (see Fada N'Gourma)	Burkina Faso		12° 03' 44" N 0° 21' 28" E	294 m
Fada-n-Gurma (see Fada N'Gourma)	Burkina Faso		12° 03' 44" N 0° 21' 28" E	294 m
Fadiout (see Joal-Fadiout)	Senegal		14° 10' 00" N 16° 50' 00" W	1 m
Fadiouth (see Joal-Fadiout)	Senegal		14° 10' 00" N 16° 50' 00" W	1 m
Fadugu	Sierra Leone		9° 23' 00" N 11° 46' 00" W	299 m

Fafan River, Degeh Bur, 30 km W	Ethiopia		8° 05' 00" N 43° 23' 00" E	
Fahpli (see Favee)	Liberia		7° 13' 50" N 9° 17' 04" W	360 m
Fahs Anjra prefecture	Morocco			
Fairan (see Wadi Fayran)	Egypt		28° 40' 27" N 33° 15' 26" E	
Fairbridge Park, Mutare	Zimbabwe		18° 57' 22" S 32° 38' 39" E	
Fairfield park, Uvumba	Zimbabwe		19° 23' 00" S 30° 32' 00" E	
Fairfield, Farm 306 (see Farm Fairfield 306), Rustenburg	South Africa		24° 33' 00" S 27° 11' 00" E	
Fairview mine, Barberton	South Africa		25° 43' 12" S 31° 06' 45" E	
Faiyoum (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Faja de Baixo	Cape Verde	ca.	16° 35' 00" N 24° 15' 00" W	
Falaise de Saint Gilles	Réunion		21° 03' 18" S 55° 13' 22" E	
Falea	Mali		12° 15' 51" N 11° 16' 38" W	459 m
Falls road, 6 km W Gwai Bridge (see also: Gwai Bridge, 6 km W)	Zimbabwe		18° 37' 00" S 27° 06' 00" E	
False Bay Nature Reserve (see also: False Bay Park)	South Africa		28° 01' 00" S 32° 21' 00" E	
False Bay Park (see False Bay Nature Reserve), St. Lucia	South Africa		27° 55' 00" S 32° 22' 00" E	
Fandanana (see Fandriana)	Madagascar		20° 14' 00" S 47° 23' 00" E	1463 m
Fandriana (see also: Fandanana, Ifandriana)	Madagascar		20° 14' 00" S 47° 23' 00" E	1463 m
Fandriana region	Madagascar		20° 17' 00" S 47° 31' 00" E	
Fandriana, 45 km ESE (see Ampitambé (2))	Madagascar	ca.	21° 00' 00" S 47° 45' 00" E	900 m
Fanti	Liberia		5° 07' 59" N 8° 57' 50" W	91 m
Fape (see Favee)	Liberia		7° 13' 50" N 9° 17' 04" W	360 m
Fapé (see Favee)	Liberia		7° 13' 50" N 9° 17' 04" W	360 m
Fapi (see Favee)	Liberia		7° 13' 50" N 9° 17' 04" W	360 m
Faradje, on Dungu R., on Congo-Nile highway, 241 km N Irumu (see also: Irumu, 241 km N)	Congo (Democratic Republic of the)		3° 44' 00" N 29° 43' 00" E	775 m
Faradje territory (see also: Faradje, zone)	Congo (Democratic Republic of the)		3° 44' 00" N 29° 43' 00" E	
Faradje, zone (see Faradje territory)	Congo (Democratic Republic of the)		3° 44' 00" N 29° 43' 00" E	
Faradofay (see Tolanaro)	Madagascar		25° 02' 00" S 47° 00' 00" E	0 m
Faranah prefecture	Guinea			
Farankaraina Tropical Park	Madagascar		15° 25' 43" S 49° 50' 32" E	
Faratsiho, 26 km SE (see Station Forestière d'Antsampandrano)	Madagascar		19° 36' 43" S 47° 03' 46" E	1850 m
Faravohitra	Madagascar			
Farihy Alaotra (lake), near (see also: Alaotra, lake, near, Lac Alaotra, near)	Madagascar	ca.	17° 27' 55" S 48° 31' 30" E	
Farihy Tsimanampetsotsa (see Tsimanampetsotsa, lake)	Madagascar		24° 07' 00" S 43° 45' 00" E	
Farm "Baden", 9.2 km N Montagu (see also: Baden, Farm, Montagu, 9.2 km N)	South Africa		33° 42' 14" S 20° 07' 14" E	350 m
Farm 10 (Sheila) (see Farm Sheila 10), Leydsdorp	South Africa		24° 03' 00" S 31° 09' 00" E	
Farm 10, Urk (see Farm Urk 10), 13 km W Vivo	South Africa		23° 02' 00" S 29° 08' 00" E	854 m
Farm 103 (Al-te-ver) (see Farm Al-te-ver 103), 1 km SSE Maastroom	South Africa		22° 46' 00" S 28° 28' 00" E	
Farm 1032 (Swq) (see Farm Swq 1032)	South Africa		34° 23' 04" S 19° 48' 27" E	166 m
Farm 103IQ (Wonderfontein) (see Farm Wonderfontein 103IQ), Caltonville / Potchefstroom	South Africa		26° 18' 00" S 27° 24' 00" E	
Farm 111 (Geduld) (see Farm Geduld 111)	Namibia		20° 17' 49" S 15° 49' 57" E	1020 m
Farm 111KP (Kalkfontein) (see Madikwe Game Reserve)	South Africa		24° 45' 58" S 26° 22' 16" E	
Farm 112JU (Tenbosch) (see Farm Tenbosch 112JU)	South Africa		25° 22' 35" S 31° 55' 21" E	
Farm 113 (Musterland) (see Farm Musterland 113)	Namibia		20° 14' 16" S 15° 53' 00" E	1200 m
Farm 114JT (Badfontein) (see Farm Badfontein 114JT), Kwena	South Africa		25° 17' 30" S 30° 23' 16" E	
Farm 124 (Groot Suikerboschkop) (see Farm Groot Suikerboschkop 124), Dullstroom	South Africa		25° 24' 36" S 30° 06' 00" E	
Farm 124 (Grootsuikerboschkop) (see Farm Groot Suikerboschkop 124), Dullstroom	South Africa		25° 24' 36" S 30° 06' 00" E	
Farm 127 (Rolspruit) (see Farm Rolspruit 127), 7 km E Leslie	South Africa		26° 24' 00" S 29° 00' 00" E	
Farm 140KT (Harmony) (see Farm Harmony 140KT)	South Africa		24° 16' 22" S 30° 36' 50" E	
Farm 141 MS (River) (see Farm River 141 MS), Soutpansberg	South Africa		22° 11' 57" S 29° 52' 43" E	
Farm 147 (Aandster) (see Farm Aandster 147)	Namibia		25° 23' 00" S 16° 04' 00" E	
Farm 147JQ (Mooimeisjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa		25° 01' 00" S 27° 37' 00" E	
Farm 147JQ (Mooimysjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa		25° 01' 00" S 27° 37' 00" E	
Farm 147JQ (Mooiymysjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa		25° 01' 00" S 27° 37' 00" E	
Farm 149JQ (Buffelspoort) (see Farm Buffelspoort 149 JQ), 5 km NE Assen	South Africa		25° 07' 00" S 27° 37' 00" E	
Farm 152 (Vrisgewaagd) (see Farm Vrisgewaagd 152)	South Africa		33° 15' 47" S 21° 52' 57" E	600 m

Farm 153 (Augrabies Wes) (see Farm Oograbies West 153)	South Africa		29° 12' 00" S 17° 05' 00" E	
Farm 153 (Oograbies West) (see Farm Oograbies West 153)	South Africa		29° 12' 00" S 17° 05' 00" E	
Farm 154 (Scholtze Kloof) (see Farm Scholtze Kloof 154)	South Africa		33° 15' 36" S 21° 59' 47" E	675 m
Farm 163 (Guano Caves) (see Farm Guano Caves 163)	South Africa		33° 49' 58" S 20° 10' 28" E	420 m
Farm 164JT (In-de-Diepte) (see Farm In-de-Diepte 164JT)	South Africa		25° 43' 00" S 30° 01' 00" E	
Farm 168JS (Blaauwbank) (see Farm Blaauwbank 168JS), Groblersdal, E	South Africa		25° 19' 00" S 29° 47' 00" E	
Farm 173IQ (Sterkfontein) (see Sterkfontein, Farm 173IQ)	South Africa		26° 01' 43" S 27° 42' 37" E	
Farm 175JU (Thankerton) (see Farm Thankerton 175JU)	South Africa		25° 26' 21" S 31° 39' 27" E	
Farm 1785 (Schaapplaas) (see Farm Schaapplaas 1785), Clarens	South Africa	ca.	28° 37' 00" S 28° 22' 00" E	
Farm 184 (Olyvekloof) (see Farm Olyvekloof 184)	South Africa		31° 07' 00" S 26° 52' 00" E	
Farm 18IT (Victoriaspoort) (see Farm Victoriaspoort 18IT)	South Africa		26° 02' 00" S 30° 19' 00" E	
Farm 193 (Korfshoek) (see Farm Korfshoek 193), Harrismith	South Africa		28° 30' 00" S 28° 46' 00" E	
Farm 195KU (Fleur de Lys) (see Farm Fleur de Lys 195KU)	South Africa		24° 32' 00" S 31° 01' 00" E	
Farm 196 (Langverwaght) (see Vrede), Vrede	South Africa		27° 25' 00" S 29° 10' 00" E	1668 m
Farm 198 (Elandsberg) (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Farm 202 (Liverpool) (see Farm Liverpool 202)	South Africa			
Farm 204 (Ratsegaai) (see Farm Ratsegaai 204), 13 km W Ventersdorp	South Africa		26° 22' 00" S 26° 44' 00" E	
Farm 207 (Enkeldoornspoort) (see Farm Enkeldoornspoort 207), 16 km SE Rust de Winter	South Africa		25° 18' 00" S 28° 40' 00" E	
Farm 210 (Butata) (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Farm 217JT (Klipgat) (see Farm Klipgat 217JT)	South Africa		25° 11' 00" S 30° 43' 00" E	
Farm 218 (Driehoek) (see Farm Driehoek 218), Luckhoff	South Africa		29° 38' 00" S 24° 52' 00" E	
Farm 22 (Ombarahewa) (see Farm Ombarahewa 22)	Namibia		20° 27' 50" S 16° 18' 32" E	1320 m
Farm 221JR (Leeudraai) (see Farm Leeudraai 221JR)	South Africa		25° 22' 15" S 28° 33' 58" E	
Farm 223KT (Perkeo) (see Farm Perkeo 223KT)	South Africa		24° 28' 00" S 30° 36' 00" E	
Farm 227 (Uitvlugt) (see Farm Uitvlugt 227), Vrede	South Africa		27° 27' 00" S 29° 23' 00" E	
Farm 228 (Buckholt) (see Farm Buckholt 228)	South Africa		31° 02' 15" S 27° 21' 08" E	1680 m
Farm 23 (Goodhouse) (see Farm Goodhouse 23), Goodhouse	South Africa		28° 54' 00" S 18° 15' 00" E	210 m
Farm 230 (Wagondrift) (see Farm Wagondrift 230), 16 km SSE Lamberts Bay	South Africa		32° 13' 00" S 18° 21' 00" E	
Farm 235 (Chester) (see Farm Chester 235), dam on Blyde River	South Africa		24° 35' 00" S 30° 47' 00" E	
Farm 2369 (Wakefield) (ptn 13) (see Farm Wakefield 2369 (ptn 13))	South Africa		29° 29' 13" S 29° 53' 53" E	
Farm 236JQ (Vygeboschlaagte) (see Farm Vygeboschlaagte 236JQ)	South Africa		25° 19' 00" S 28° 01' 00" E	
Farm 23MT (Scrutton) (see Farm Scrutton 23MT), 32 km E Messina	South Africa		22° 21' 00" S 30° 21' 00" E	1450 ft
Farm 242 (Othawo) (see Farm Othawo 242), 16 km N Newington	South Africa		24° 45' 00" S 31° 26' 00" E	
Farm 245LS (Sarum) (see Farm Sarum 245LS), 16 km NW Louis Trichardt; Buzzard Mountain Retreat	South Africa		23° 02' 00" S 29° 46' 00" E	
Farm 246 (Lilliput) (see Farm Lilliput 246), 16 km SW Messina	South Africa		22° 28' 00" S 29° 56' 00" E	
Farm 246 (Zoutpansdrift) (see Farm Zoutpansdrift 246), Luckhoff	South Africa		29° 43' 00" S 24° 23' 00" E	
Farm 25 (Otjitambi) (see Farm Otjitambi 25)	Namibia		19° 48' 00" S 15° 11' 00" E	1150 m
Farm 261 (Kaalfontein) (see Farm Kaalfontein 261), 37 km NW Potgietersrus	South Africa		24° 15' 00" S 28° 24' 00" E	
Farm 264JT (Uitkyk) (see Farm Uitkyk 264JT)	South Africa		25° 18' 00" S 30° 30' 00" E	
Farm 271/2 (Brombeek) (see Farm Brombeek 271/2)	South Africa		22° 32' 00" S 29° 27' 00" E	
Farm 271JT (Sudwalaskraal) (see Farm Sudwalaskraal 271JT)	South Africa		25° 22' 00" S 30° 37' 00" E	
Farm 274 (Moscow) (see Farm Moscow 274), Heilbron	South Africa		27° 17' 00" S 27° 58' 00" E	
Farm 276 (Dirleton) (see Farm Dirleton 276)	South Africa		22° 32' 00" S 29° 21' 00" E	
Farm 284 (Olivewood) (see Farm Olivewood 284), 15 km WNW Hotazel	South Africa		27° 12' 00" S 22° 48' 00" E	
Farm 287 (Clifford) (see Farm Clifford 287)	South Africa		31° 04' 41" S 27° 26' 58" E	1780 m
Farm 291 (Aasvogelrand-Oost) (see Farm Aasvogelrand-Oost 291), Vredefort	South Africa		26° 52' 00" S 27° 22' 00" E	
Farm 291 (Pinehurst) (see Farm Pinehurst 291), Ladybrand	South Africa		29° 07' 30" S 27° 22' 30" E	
Farm 292 (Welgedaan) (see Farm Welgedaan 292), 5 km NNE Christiana	South Africa		27° 42' 00" S 25° 13' 00" E	
Farm 306 (Fairfield) (see Farm Fairfield 306), Rustenburg	South Africa		24° 33' 00" S 27° 11' 00" E	
Farm 308JQ (Baviaanskrans) (see Kgaswane Nature Reserve)	South Africa		25° 43' 13" S 27° 11' 07" E	
Farm 320 (Leelykstraat) (see Farm Leelykstraat 320), 30 km NE Marydale	South Africa		29° 11' 00" S 22° 18' 00" E	
Farm 320 (Lemoenboord) (see Farm Lemoenboord 320), Philippolis	South Africa		30° 07' 30" S 24° 52' 30" E	

Farm 326 (Vygeboom) (see Farm Vygeboom 326)	South Africa	33° 16' 08" S 25° 40' 31" E	750 m
Farm 327JQ (Commissiesdrift) (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa	25° 48' 00" S 27° 14' 00" E	
Farm 328 (Olifantspoort) (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg	South Africa	25° 50' 00" S 27° 15' 00" E	
Farm 33 (Schwarzerfels) (see Farm Schwarzerfels 33)	Namibia	20° 27' 15" S 16° 16' 25" E	1400 m
Farm 330 (Baviaanspoort) (see Farm Baviaanspoort 330), Pretoria, 19 km NE	South Africa	25° 40' 48" S 28° 21' 36" E	
Farm 331 (Kanabeam) (see Farm Kanabeam 331)	Namibia	28° 09' 00" S 17° 31' 00" E	375 m
Farm 33JT (Sterkspruit) (see Farm Sterkspruit 33JT), Lydenberg	South Africa	25° 06' 50" S 30° 28' 50" E	1450 m
Farm 343 (Nicorel) (see Farm Nicorel 343), 18 km N Steilloop(burg)	South Africa	23° 15' 36" S 28° 36' 36" E	
Farm 347 (Letsoana Stad) (see Farm Letsoana Stad 347), Fouriesburg	South Africa	28° 37' 00" S 28° 13' 00" E	1801 m
Farm 347, Letsoana Stad (see Farm Letsoana Stad 347), Fouriesburg	South Africa	28° 37' 00" S 28° 13' 00" E	1801 m
Farm 354 (Tygerkloof) (see Farm Tygerkloof 354), 24 km SW Thabazimbi	South Africa	24° 41' 40" S 27° 12' 33" E	
Farm 354 (Tygerskloof) (see Farm Tygerkloof 354), 24 km SW Thabazimbi	South Africa	24° 41' 40" S 27° 12' 33" E	
Farm 355 (Mooiplaas) (see Farm Hennopsriver 489), Pretoria	South Africa	25° 50' 00" S 27° 58' 00" E	
Farm 35KT (Haffenden Heights) (see Farm Haffenden Heights 35KT)	South Africa	24° 07' 00" S 30° 10' 00" E	
Farm 360JS (Skoongesig) (see Farm Skoongesig 360JS), Languitsig	South Africa	25° 37' 00" S 29° 52' 00" E	
Farm 366 (Dresden) (see Excelsior)	South Africa	28° 56' 00" S 27° 04' 00" E	1453 m
Farm 376 (Duiwelskloof) (see Farm Duiwelskloof 376), Tzaneen	South Africa	23° 42' 00" S 30° 08' 00" E	
Farm 376 (Mokeetsi) (see Farm Duiwelskloof 376), Tzaneen	South Africa	23° 42' 00" S 30° 08' 00" E	
Farm 376 (Mooihoek) (see Farm Mooihoek 376)	Namibia	20° 08' 45" S 15° 52' 48" E	1360 m
Farm 376 (Nakaetsi) (see Farm Nakaetsi 376), Tzaneen district, Zoutpansberg	South Africa	23° 40' 00" S 30° 05' 00" E	
Farm 378 (De Poort) (see Ventersburg)	South Africa	28° 05' 00" S 27° 08' 00" E	1425 m
Farm 37MS (Greefswald) (see Farm Greefswald 37MS), 67 km W Messina; Shashi-Limpopo confluence	South Africa	22° 12' 00" S 29° 23' 00" E	
Farm 386 (Roodepoort) (see Farm Roodepoort 386), 15 km E Standerton	South Africa	26° 54' 00" S 29° 22' 00" E	
Farm 39 (Makapansgat) (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa	24° 09' 00" S 29° 11' 00" E	1604 m
Farm 39 (Opelo Süd) (see Farm Opelo Süd 39)	Namibia	21° 16' 52" S 15° 59' 50" E	1300 m
Farm 392 (Kranskop) (see Zastron), Zastron	South Africa	30° 18' 00" S 27° 05' 00" E	1672 m
Farm 396 (Non Pareil) (see Warden), Warden	South Africa	27° 51' 00" S 28° 58' 00" E	1643 m
Farm 397	Namibia	22° 12' 00" S 18° 58' 00" E	
Farm 398 (Spitskop) (see Farm Spitskop 398), Fauresmith	South Africa	29° 30' 00" S 25° 59' 00" E	
Farm 404 (Rietfontein) (see Farm Rietfontein 404), 7 km N Sasolburg	South Africa	26° 46' 00" S 27° 43' 30" E	
Farm 404 (Tweepoort) (see Farm Tweepoort 404), 2 km NE Amsterdam	South Africa	26° 36' 00" S 30° 43' 00" E	
Farm 405 (Hexrivier) (see Farm Hexrivier 405)	South Africa	29° 39' 00" S 26° 10' 00" E	
Farm 407 (Klipfontein) (see Farm Klipfontein 407), 19 km SSE Ohhrigstad	South Africa	24° 33' 28" S 30° 36' 28" E	
Farm 409 SU (Ingwenya) (see Farm Ingwenya 409SU)	South Africa	27° 20' 00" S 31° 57' 43" E	185 m
Farm 412KT (Sterkspruit) (see Farm Sterkspruit 412KT), Mogaba	South Africa	24° 37' 00" S 30° 37' 00" E	
Farm 415 (Lemoenhoek) (see Farm Lemoenhoek 415), Ladybrand	South Africa	29° 22' 30" S 27° 07' 30" E	
Farm 419 (Witpoort) (see Farm Witpoort 419), 24 km E Potchefstroom	South Africa	26° 39' 00" S 27° 20' 00" E	
Farm 428 (Windpoort) (see Farm Windpoort 428)	Namibia	19° 21' 29" S 15° 29' 02" E	
Farm 435KT (Elandsfontein) (see Bourke's Luck)	South Africa	24° 39' 00" S 30° 49' 00" E	
Farm 436KT (Wakkersdal) (see Farm Wakkersdal 436KT)	South Africa	24° 37' 00" S 30° 43' 00" E	
Farm 446JT (Berlin) (see Berlin, Farm 446JT)	South Africa	25° 30' 48" S 30° 46' 29" E	
Farm 446KQ (Buffelshoek), Thabazimbi, 16 mi [=26 km] SE	South Africa	24° 40' 00" S 27° 21' 00" E	
Farm 447JR (Zusterstroom) (see Farm Zusterstroom 447JR)	South Africa	25° 35' 00" S 29° 00' 00" E	
Farm 448 (Donkerpoort) (see Gatkop cave), 24 km E Thabazimbi, Rooiberg	South Africa	24° 37' 05" S 27° 39' 08" E	
Farm 448 (Schurwepoort) (see Farm Schurwepoort 448), Koppies	South Africa	27° 25' 00" S 27° 35' 00" E	
Farm 449 (Welgevonden) (see Farm Welgevonden 449), 16 km W Steilloop(burg)	South Africa	23° 32' 00" S 28° 26' 00" E	
Farm 449KQ (see Gatkop cave)	South Africa	24° 37' 05" S 27° 39' 08" E	
Farm 454 (Bourkes Luck) (see Farm Bourkes Luck 454)	South Africa	24° 39' 00" S 30° 49' 00" E	

Farm 454 (Mimosa) (see Farm Mimosa 454), 25 km ENE Postmasburg	South Africa		28° 11' 00" S 23° 19' 00" E	
Farm 455KQ (Randstephne) (see Farm Randstephne 455KQ)	South Africa		24° 36' 58" S 27° 39' 31" E	993 m
Farm 465 (Parsons Rust) (see Farm Parsons Rust 465), Vredefort	South Africa		26° 53' 00" S 27° 19' 00" E	
Farm 468 (Sandfontein) (see Farm Sandfontein 468)	Namibia		22° 18' 00" S 19° 59' 00" E	4100 ft
Farm 472 (Schulp Fontein), 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	South Africa		30° 05' 00" S 17° 11' 30" E	
Farm 472 (Schulpfontien), 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	South Africa		30° 05' 00" S 17° 11' 30" E	
Farm 473 JQ (Hartebees) (see Farm Fourwinds)	South Africa		25° 49' 48" S 27° 40' 12" E	
Farm 489 (Hennops River) (see Farm Hennops River 489), Pretoria	South Africa		25° 51' 00" S 27° 58' 00" E	
Farm 489 (Hennopsriver) (see Farm Hennopsriver 489), Pretoria	South Africa		25° 50' 00" S 27° 58' 00" E	
Farm 489 (Hennopsrivier) (see Farm Hennops River 489), Pretoria	South Africa		25° 51' 00" S 27° 58' 00" E	
Farm 495JR (Sterkfontein) (see Telperion Nature Reserve)	South Africa		25° 42' 41" S 29° 01' 03" E	
Farm 499 (Uitkomst) (see Farm Uitkomst 499), Krugersdorp	South Africa		25° 54' 00" S 27° 46' 00" E	
Farm 506 (La Rochelle) (see Smithfield), Smithfield	South Africa		30° 13' 00" S 26° 32' 00" E	
Farm 508 (Nooitgedacht) (see Farm Nooitgedacht 508), 14 km SSE Potchefstroom	South Africa		26° 55' 12" S 27° 10' 12" E	
Farm 517 KQ (Vellefontein) (see Farm Vellefontein 517 KQ)	South Africa		24° 49' 26" S 27° 47' 07" E	
Farm 519 (Witklipfontein) (see Farm Witklipfontein 519), Vredefort	South Africa		26° 56' 00" S 27° 15' 00" E	
Farm 536KQ (Rietfontein) (see Farm Rietfontein 536KQ)	South Africa		24° 54' 30" S 27° 44' 36" E	
Farm 538 (Rooikrans) (see Farm Rooikrans 538), Thabazimbi	South Africa		24° 53' 00" S 27° 39' 00" E	
Farm 538 (Rooikranz) (see Farm Rooikrans 538), Thabazimbi	South Africa		24° 53' 00" S 27° 39' 00" E	
Farm 53JT (De Kafferskraal) (see Farm De Kafferskraal 53JT)	South Africa		25° 10' 57" S 30° 08' 52" E	
Farm 544JT (Onverwacht) (see Farm Onverwacht 544JT), Sjonajona	South Africa		25° 45' 38" S 30° 42' 05" E	
Farm 54JS (Klipfontein) (see Farm Klipfontein 54JS), 30 km NE Vaalwater; Waterberg	South Africa		24° 08' 00" S 28° 08' 00" E	
Farm 55JT (Kraaibosch) (see Farm Kraaibosch 55JT)	South Africa		25° 10' 13" S 30° 12' 07" E	1784 m
Farm 574 (Doorn Fontein) (see Farm Doorn Fontein 574)	South Africa		33° 23' 40" S 18° 19' 36" E	105 m
Farm 576 (Drie Papen Fontein) (see Farm Drie Papen Fontein 576)	South Africa		33° 24' 21" S 18° 22' 56" E	290 m
Farm 576 (Merrimietzie) (see Winburg)	South Africa		28° 32' 00" S 27° 01' 00" E	1494 m
Farm 590 (Van Soelenshoek) (see Winburg)	South Africa		28° 32' 00" S 27° 01' 00" E	1494 m
Farm 59JQ (Rhenosterspruit) (see Farm Rhenosterspruit 59JQ)	South Africa		25° 22' 30" S 27° 07' 30" E	
Farm 6 (Secheili's Oude Stad) (see Farm Secheili's Oude Stad 6), Zeerust	South Africa		24° 53' 00" S 25° 58' 00" E	
Farm 60 (Graspan) (see Farm Graspan 60), Kroonstad	South Africa		27° 48' 00" S 26° 58' 00" E	
Farm 601 (Tambotiekloof) (see Farm Tambotiekloof 601), 10 km NE Ellisras	South Africa		23° 54' 00" S 27° 41' 00" E	
Farm 603 KQ (Hartbeesfontein) (see Farm Hartbeesfontein 603 KQ)	South Africa		24° 47' 04" S 27° 45' 49" E	1182 m
Farm 607 (Klipbanksfontein) (see Farm Klipbanksfontein 607), Postmasburg	South Africa	ca.	28° 18' 00" S 23° 05' 00" E	
Farm 608 (New Belgium) (see Farm New Belgium 608), 65 km N Vaalwater	South Africa		23° 53' 00" S 28° 08' 00" E	
Farm 61MS (Luna) [=V.L.N.R.] (see Farm Luna 61MS [=V.L.N.R.]), 32 km NE Alldays	South Africa		22° 22' 00" S 29° 21' 00" E	
Farm 630 (Uitzicht) (see Farm Uitzicht 630), Harrismith	South Africa		28° 04' 00" S 28° 27' 00" E	
Farm 647 (Leeuwspoor) (see Farm Leeuwspoor 647), S of Gollela; on Pongola river, Pongola road	South Africa		27° 24' 00" S 31° 54' 00" E	
Farm 66 (Eldorado) (see Bultfontein), Bultfontein	South Africa		28° 56' 00" S 25° 57' 00" E	
Farm 667 (Nova) (see Farm Nova 667), Ladybrand	South Africa		29° 07' 30" S 27° 22' 30" E	
Farm 674 (Eureka) (see Farm Eureka 674), Senekal	South Africa		27° 58' 00" S 27° 35' 00" E	
Farm 67JT (Klipsteen) (see Farm Klipsteen 67JT)	South Africa		25° 13' 25" S 30° 18' 12" E	
Farm 68 (Regina) [=V.L.N.R.] (see Farm Regina 68 [=V.L.N.R.]), 32 km NE Alldays	South Africa		22° 22' 48" S 29° 16' 12" E	
Farm 68 (Cyprus) (see Farm Cyprus 68), 13 km SW Ofcolaco	South Africa		24° 11' 00" S 30° 17' 00" E	
Farm 686 (Florisbad) (see Farm Florisbad 686), Brandfort	South Africa		28° 46' 00" S 26° 05' 00" E	
Farm 71 (Keikamspoort) (see Farm Keikamspoort 71), 20 km SE Prieska	South Africa		29° 53' 00" S 22° 52' 00" E	
Farm 729 (Peperhoek) (see Farm Peperhoek 729), Fauresmith	South Africa		29° 37' 30" S 24° 22' 30" E	
Farm 743 (Faust) (see Farm Faust 743), Ficksburg	South Africa		28° 46' 00" S 27° 47' 00" E	

Farm 747 (Waterval) (see Farm Waterval 747), Harrismith [Warden]	South Africa	27° 52' 30" S 29° 07' 30" E	
Farm 750 (Middelwater) (see Farm Middelwater 750), Hoopstad	South Africa	27° 44' 00" S 25° 26' 00" E	
Farm 780 (Helena) (see Farm Helena 780), Vredefort	South Africa	26° 53' 00" S 27° 23' 00" E	
Farm 794 (Zwarthoek) (see Farm Zwarthoek 794), Mansfield	South Africa	22° 58' 00" S 29° 52' 00" E	
Farm 80JS (Vergelegen) (see Farm Vergelegen 80JS)	South Africa	25° 26' 00" S 29° 23' 00" E	
Farm 81 (Leeuwenfontein) (see Farm Leeuwenfontein 81)	South Africa	31° 15' 21" S 25° 34' 25" E	1510 m
Farm 83 (Mooigenoeg) (see Farm Mooigenoeg 83), 8 km S Derdepoort	South Africa	24° 40' 00" S 26° 20' 00" E	
Farm 87 (Tangala) (see Farm Tangala 87), NW Orpen Gate	South Africa	24° 28' 00" S 31° 12' 00" E	
Farm 9 (Rhoda) (see Farm Rhoda 9), 13 km S Phalaborwa	South Africa	24° 03' 00" S 31° 06' 00" E	
Farm 91 (Tjirundo) (see Farm Tjirundo 91)	Namibia	21° 12' 50" S 15° 52' 20" E	1300 m
Farm 92 (Zuurfontein) (see Farm Zuurfontein 92), Fauresmith	South Africa	29° 55' 00" S 25° 24' 00" E	
Farm 930 (Schaapplaats) (see Farm Schaapplaats 930)	South Africa	27° 55' 42" S 28° 58' 21" E	
Farm 94 (Mooiplaas) (see Farm Mooiplaas 94), 18 km SSE Derdepoort	South Africa	24° 45' 00" S 26° 25' 00" E	
Farm 96 (Rykvoorby) (see Farm Rykvoorby 96), 9 km N Zeerust	South Africa	25° 29' 00" S 26° 04' 00" E	
Farm 969 (Welgevonden) (see Farm Welgevonden 969)	South Africa	29° 19' 55" S 30° 16' 39" E	
Farm 97 (Koele) (see Thaba Nchu)	South Africa	29° 13' 00" S 26° 50' 00" E	1531 m
Farm 99 (Groothoek) (see Farm Groothoek 99), 25 km ESE Potgietersrus	South Africa	24° 21' 00" S 29° 07' 48" E	
Farm A80 (Mouton's Valley) (see Farm Mouton's Valley A80)	South Africa	32° 46' 11" S 18° 43' 08" E	545 m
Farm Aandster 147 (see also: Aandster, Farm 147, Farm 147 (Aandster))	Namibia	25° 23' 00" S 16° 04' 00" E	
Farm Aasvogelrand-Oost 291, Vredefort (see also: Aasvogelrand-Oost, Farm 291, Farm 291 (Aasvogelrand-Oost))	South Africa	26° 52' 00" S 27° 22' 00" E	
Farm Alexanderskraal, 40.2 km S, 31.8 km W Murraysburg (see also: Alexanderskraal, Farm, Murraysburg, 40.2 km S, 31.8 km W)	South Africa	32° 18' 35" S 23° 25' 00" E	3000 ft
Farm Allemans Drift, Philippolis (see also: Allemans Drift, Farm, Allemansdrift, Farm, Farm Allemansdrift)	South Africa	30° 32' 00" S 25° 20' 00" E	
Farm Allemansdrift (see Farm Allemans Drift), Philippolis	South Africa	30° 32' 00" S 25° 20' 00" E	
Farm Alma (see also: Alma, Farm)	South Africa	29° 40' 00" S 25° 06' 00" E	
Farm Al-te-ver 103, 1 km SSE Maastroom (see also: Al-te-ver, Farm 103, Farm 103 (Al-te-ver), Maasstroom, 1 km SSE)	South Africa	22° 46' 00" S 28° 28' 00" E	
Farm Arnem (see Farm Arnhem), 80 mi E Windhoek	Namibia	22° 41' 00" S 18° 08' 00" E	1500 m
Farm Arnheim (see Farm Arnhem), 26.0 km S, 89.0 km W Gobabis (see also: Gobabis, 26.0 km S, 89.0 km W)	Namibia	22° 29' 00" S 18° 08' 00" E	1500 m
Farm Arnhem, 80 mi E Windhoek; 26.0 km S, 89.0 km W Gobabis (see also: Arnheim Farm, Farm Arnem, Farm Arnheim, Windhoek, 80 mi [=129 km] E)	Namibia	22° 29' 00" S 18° 08' 00" E	1500 m
Farm Ashburton (see Ashburton, Farm), Pietermaritzburg	South Africa	29° 38' 00" S 30° 28' 00" E	760 m
Farm Atherstone (see also: Atherstone, Farm)	South Africa	33° 19' 00" S 26° 22' 00" E	600 m
Farm Augrabies Wes 153 (see Farm Oograbies West 153)	South Africa	29° 12' 00" S 17° 05' 00" E	
Farm Badfontein 114JT, Kwena (see also: Badfontein, Farm 114JT, Farm 114JT (Badfontein), Kwena)	South Africa	25° 17' 30" S 30° 23' 16" E	
Farm Baviaanskrans 308JQ (see Kgaswane Nature Reserve)	South Africa	25° 43' 13" S 27° 11' 07" E	
Farm Baviaanspoort 330, Pretoria, 19 km NE (see also: Baviaanspoort, Farm 330, Farm 330 (Baviaanspoort), Pretoria, 19 km NE)	South Africa	25° 40' 48" S 28° 21' 36" E	
Farm Berg Plants, W Soutpansberg (see also: Berg Plants Farm)	South Africa	23° 02' 54" S 29° 26' 48" E	
Farm Berlin 446JT (see Berlin, Farm 446JT)	South Africa	25° 30' 48" S 30° 46' 29" E	
Farm Blaauwbank 168JS, Groblersdal, E (see also: Blaauwbank, Farm 168JS, Farm 168JS (Blaauwbank))	South Africa	25° 19' 00" S 29° 47' 00" E	
Farm Boekenhoutskloof, Cullinan (see also: Boekenhoutskloof, Farm, Farm Okhotso Boekenhoutskloof, Ohkotso Boekenhoutskloof, Farm)	South Africa	25° 31' 00" S 28° 25' 00" E	

Farm Bokveld, 20 km E Messina, on Limpopo River (see also: Bokveld, Farm, Messina, 20 km E)	South Africa	22° 19' 00" S 30° 11' 00" E	
Farm Bolts, Krugersdorp (see also: Bolts, Farm)	South Africa	26° 02' 05" S 27° 42' 48" E	
Farm Bordeaux, 5 mi E Waterpoort (see also: Bordeaux, Farm, Waterpoort, 5 mi [=8 km] E)	South Africa	22° 41' 00" S 29° 38' 00" E	
Farm Bourkes Luck 454 (see also: Bourkes Luck Potholes, Bourkes Luck, Farm 454, Farm 454 (Bourkes Luck))	South Africa	24° 39' 00" S 30° 49' 00" E	
Farm Brakfontein, 25 km NNE Griekwastad; 24.5 km NE Hay (see also: Brakfontein, Farm, Griekwastad, 25 km NNE, Hay, 24.5 km NE)	South Africa	28° 40' 00" S 23° 22' 00" E	
Farm Brakfontein, 12 mi [=19 km] N Willowmore (see also: Brakfontein, Farm, Willowmore,12 mi [=19 km] N)	South Africa	33° 08' 00" S 23° 25' 00" E	
Farm Brombeek 271/2 (see also: Brombeek, Farm 271/2, Farm 271/2 (Brombeek))	South Africa	22° 32' 00" S 29° 27' 00" E	
Farm Buckholt 228, 7.9 km S, 23.4 km W Barkly East (see also: Barkly East, 7.9 km S, 23.4 km W, Buckholt, Farm 228, Farm 228 (Buckholt))	South Africa	31° 02' 15" S 27° 21' 08" E	1680 m
Farm Buffel Rivier Poort, 2.5 km N, 26.0 km W Ladismith (see also: Buffel Rivier Poort, Farm, Ladismith, 2.5 km N, 26.0 km W)	South Africa	33° 27' 56" S 20° 59' 00" E	420 m
Farm Buffelshoek 446KQ, Thabazimbi, 16 mi [=26 km] SE (see also: Thabazimbi, 16 mi [=26 km] SE)	South Africa	24° 40' 00" S 27° 21' 00" E	
Farm Buffelspoort 149 JQ, 5 km NE Assen (see also: Assen, 5 km NE, Buffelspoort, Farm 149JQ, Farm 149JQ (Buffelspoort))	South Africa	25° 07' 00" S 27° 37' 00" E	
Farm Buitenhoop (see also: Buitenhoop, Farm)	South Africa	28° 06' 00" S 25° 13' 00" E	
Farm Buren, 128 km NW Ellisras (see also: Buren, Farm, Ellisras, 128 km NW)	South Africa	23° 37' 00" S 27° 52' 00" E	
Farm Butata 210 (see Zastron), Zastron	South Africa	30° 18' 00" S 27° 05' 00" E	1672 m
Farm Chester 235, dam on Blyde River (see also: Chester, Farm 235, Farm 235 (Chester))	South Africa	24° 35' 00" S 30° 47' 00" E	
Farm Clearwater (see also: Clearwater, Farm)	South Africa	31° 16' 00" S 30° 01' 00" E	
Farm Clifford 287, 12.3 km S, 14.1 km W Barkly East (see also: Barkly East, 12.3 km S, 14.1 km W, Clifford, Farm 287, Farm 287 (Clifford))	South Africa	31° 04' 41" S 27° 26' 58" E	1780 m
Farm Cnydas, 12 km NW Lutzput (see also: Cnydas, Farm, Farm Nydas, Lutzput, 12 km NW, Nydas, Farm)	South Africa	28° 22' 00" S 20° 34' 00" E	
Farm Commissiesdrift 327JQ, 10 mi [=16 km] SW Rustenberg (see also: Commisiedrift, Farm 327JQ, Commissiedrift, Farm 327JQ, Commissiesdrift, Farm 327JQ, Commissionsdrift, Farm 327JQ, Farm 327JQ (Commissiesdrift), Farm Commissionsdrift 327JQ, Kommissiedrift, Farm 327JQ, Rustenberg, 10 mi [=16 km] SW)	South Africa	25° 48' 00" S 27° 14' 00" E	
Farm Commissionsdrift 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa	25° 48' 00" S 27° 14' 00" E	
Farm Compagniesdrift (see Compagnies Drif)	South Africa	32° 07' 00" S 18° 27' 00" E	100 m
Farm Cyprus 68, 13 km SW Ofcolaco (see also: Cyprus, Farm 68, Farm 68 (Cyprus), Ofcolaco, 13 km SW)	South Africa	24° 11' 00" S 30° 17' 00" E	
Farm De Kafferskraal 53JT (see also: De Kafferskraal, Farm 53JT, Farm 53JT (De Kafferskraal))	South Africa	25° 10' 57" S 30° 08' 52" E	
Farm De Poort 378 (see Ventersburg)	South Africa	28° 05' 00" S 27° 08' 00" E	1425 m
Farm De Vrede, 27 mi [=43 km] W Graaff Reinet (see also: De Vrede, Farm, Farm Vrede, Graaff Reinet, 27 mi [=43 km] W, Vrede, Farm)	South Africa	32° 13' 03" S 24° 12' 26" E	
Farm Deelfontein (see also: Deelfontein, Farm)	South Africa	31° 02' 00" S 23° 46' 00" E	4460 ft
Farm 'des grands bois' (see Likasi)	Congo (Democratic Republic of the)	10° 58' 53" S 26° 44' 00" E	1318 m
Farm Dirleton 276 (see also: Dirleton, Farm 276, Farm 276 (Dirleton))	South Africa	22° 32' 00" S 29° 21' 00" E	

Farm Dirleton 276 and Farm Brombeek 271/2, between, Vaalwater; Waterberg	South Africa	22° 32' 00" S 29° 25' 00" E	
Farm Donkerpoort 448, 24 km E Thabazimbi, Rooiberg	South Africa	24° 34' 48" S 27° 39' 36" E	
Farm Doorn Fontein 574, 2.0 km S, 5.1 km W Darling (see also: Darling, 2.0 km S, 5.1 km W, Doorn Fontein, Farm 574, Farm 574 (Doorn Fontein))	South Africa	33° 23' 40" S 18° 19' 36" E	105 m
Farm Doornbosch, 14.5 km S, 38.5 km E Murraysburg (see also: Doornbosch, Farm, Murraysburg, 14.5 km S, 38.5 km E)	South Africa	32° 02' 42" S 24° 04' 46" E	1500 m
Farm Doornhoek, Pietermaritzburg (see also: Doornhoek, Farm)	South Africa	29° 36' 00" S 30° 31' 00" E	
Farm Doornkraal (see Doornkraal campsite)	South Africa	27° 30' 27" S 31° 12' 25" E	
Farm Doornpan	South Africa	27° 34' 12" S 31° 14' 05" E	
Farm Dordrecht, 20 km S Marken (see also: Dordrecht, Farm, Marken, 20 km S)	South Africa	23° 50' 00" S 28° 22' 00" E	
Farm Dresden 366 (see Excelsior)	South Africa	28° 56' 00" S 27° 04' 00" E	1453 m
Farm Drie Papen Fontein 576, 3.3 km S, 0.1 km E Darling (see also: Darling, 3.3 km S, 0.1 km E, Drie Papen Fontein, Farm 576, Farm 576 (Drie Papen Fontein))	South Africa	33° 24' 21" S 18° 22' 56" E	290 m
Farm Driefontein, Vaalwater; Waterberg (see also: Driefontein, Farm)	South Africa		
Farm Driehoek 218, Luckhoff (see also: Driehoek, Farm 218, Farm 218 (Driehoek))	South Africa	29° 38' 00" S 24° 52' 00" E	
Farm Driekrone 516	Namibia	20° 37' 30" S 14° 37' 30" E	
Farm Dubbelwater, 65 km N Vaalwater (see also: Dubbelwater, Farm)	South Africa	23° 49' 00" S 28° 16' 00" E	
Farm Duiwelskloof 376, Tzaneen (see also: Duiwelskloof, Farm 376, Farm 376 (Duiwelskloof), Farm 376 (Mokeetsi), Farm Mokeetsi 376, Mokeetsi, Farm 376)	South Africa	23° 42' 00" S 30° 08' 00" E	
Farm Eenheid, 28.4 km S, 31.7 km E Elandsbaai (see also: Eenheid, Farm, Elandsbaai, 28.4 km S, 31.7 km E)	South Africa	32° 34' 03" S 18° 40' 44" E	30 m
Farm Eindpaal 429	Namibia	19° 22' 30" S 15° 37' 30" E	
Farm Elandsberg 198 (see Zastron), Zastron	South Africa	30° 18' 00" S 27° 05' 00" E	1672 m
Farm Elandsfontein 435KT (see Bourke's Luck)	South Africa	24° 39' 00" S 30° 49' 00" E	
Farm Eldorado 66 (see Bultfontein), Bultfontein	South Africa	28° 56' 00" S 25° 57' 00" E	
Farm Eloffshoek, 7.5 km N, 14.1 km W Murraysburg (see also: Eloffshoek, Farm, Murraysburg, 7.5 km N, 14.1 km W)	South Africa	31° 53' 42" S 23° 36' 52" E	1100 m
Farm Enkeldoornspoort 207, 16 km SE Rust de Winter (see also: Enkeldoornspoort, Farm 207, Farm 207 (Enkeldoornspoort), Rust de Winter, 16 km SE)	South Africa	25° 18' 00" S 28° 40' 00" E	
Farm Etaneno 44, Otjivarongo (see also: Farm Etaneo 44, Osjivarongo, Otjivarongo)	Namibia	20° 52' 30" S 16° 22' 30" E	
Farm Etaneo 44 (see Farm Etaneno 44), Otjivarongo	Namibia	20° 52' 30" S 16° 22' 30" E	
Farm Eureka 674, Senekal (see also: Eureka, Farm 674, Farm 674 (Eureka))	South Africa	27° 58' 00" S 27° 35' 00" E	
Farm Evergreen, Alldays (see also: Evergreen, Farm)	South Africa	22° 41' 00" S 29° 09' 00" E	
Farm Fairfield 306, Rustenburg (see also: Fairfield, Farm 306, Farm 306 (Fairfield))	South Africa	24° 33' 00" S 27° 11' 00" E	
Farm Faust 743, Ficksburg (see also: Farm 743 (Faust), Faust, Farm 743)	South Africa	28° 46' 00" S 27° 47' 00" E	
Farm Ferndale, 8 km SE Groot Marico (see also: Ferndale, Farm, Groot Marico, 8 km SE, Marico, 15 km SE)	South Africa	25° 38' 00" S 26° 24' 00" E	
Farm Ferndale (see also: Ferndale, Farm)	South Africa	32° 04' 00" S 24° 21' 00" E	
Farm Finkenstein, 12 mi [=19 km] E Windhoek (see also: Finkenstein, Farm, Windhoek, 12 mi [=19 km] E)	Namibia	22° 33' 06" S 17° 14' 47" E	
Farm Fir Glen, near Atherstone Station (see also: Atherstone Station, near, Fir Glen, Farm)	South Africa	33° 19' 20" S 26° 23' 21" E	900 m
Farm Fleur de Lys 195KU (see also: Farm 195KU (Fleur de Lys), Fleur de Lys, Farm 195KU)	South Africa	24° 32' 00" S 31° 01' 00" E	

Farm Florisbad 686, Brandfort (see also: Farm 686 (Florisbad), Florisbad, Farm 686)	South Africa	28° 46' 00" S 26° 05' 00" E	
Farm Fourwinds (see also: Farm 473 JQ (Hartebees), Farm Hartebeesfonein 473 JQ, Fourwinds, Farm, Hartebeesfontein, Farm 473 JQ, Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ)	South Africa	25° 49' 48" S 27° 40' 12" E	
Farm Freredell, .7 km N, 30.5 km E Molteno (see also: Freredell, Farm, Molteno, 7.7 km N, 30.5 km E)	South Africa	31° 19' 36" S 26° 40' 58" E	1870 m
Farm FrQ 2.9 (Goraas) (see Farm Goraas FrQ 2.9), 62 km W Carnarvon	South Africa	31° 11' 00" S 21° 32' 00" E	
Farm Geduld 111, 21.1 km S, 33.3 km W Outjo (see also: Farm 111 (Geduld), Geduld, Farm 111, Outjo, 21.1 km S, 33.3 km W)	Namibia	20° 17' 49" S 15° 49' 57" E	1020 m
Farm Geduld 111, 18.9 km S, 35.1 km W Outjo (see also: Outjo, 18.9 km S, 35.1 km W)	Namibia	20° 16' 37" S 15° 48' 53" E	1100 m
Farm Geelbek, Langebaan (see also: Geelbek Farm)	South Africa	33° 12' 00" S 18° 08' 00" E	
Farm Geluk, Harrismith (see also: Geluk, Farm)	South Africa	27° 52' 00" S 28° 52' 00" E	
Farm Ghaub 47, 40 km WNW Grootfontein (see also: Grootfontein, 40 km WNW)	Namibia	19° 28' 00" S 17° 45' 00" E	
Farm Gladysvale, 20 mi [=32 km] NNE Krugersdorp (see also: Gladysvale, Farm, Krugersdorp, 20 mi [=32 km] NNE)	South Africa	25° 54' 00" S 27° 46' 00" E	1527 m
Farm Gleniffer, near Kei Road (see also: Gleniffer, Farm)	South Africa	32° 42' 42" S 27° 34' 55" E	660 m
Farm Goedhoek (see Farm Goud Hoek), Babanango	South Africa	28° 23' 00" S 31° 04' 00" E	
Farm Goodhope, near Haenertsburg (see also: Goodhope, Farm)	South Africa	23° 57' 00" S 29° 54' 00" E	1500 m
Farm Goodhouse 23, Goodhouse (see also: Farm 23 (Goodhouse), Goodhouse, Farm 23)	South Africa	28° 54' 00" S 18° 15' 00" E	210 m
Farm Goraas FrQ 2.9, 62 km W Carnarvon (see also: Carnarvon, 62 km W, Farm FrQ 2.9 (Goraas), Goraas, Farm FrQ 2.9)	South Africa	31° 11' 00" S 21° 32' 00" E	
Farm Goud Hoek, Babanango (see also: Farm Goedhoek, Farm Goudhoek, Goedhoek, Farm, Goud Hoek, Farm, Goudhoek, Farm)	South Africa	28° 16' 00" S 31° 00' 00" E	
Farm Goudhoek (see Farm Goud Hoek), Babanango	South Africa	28° 23' 00" S 31° 04' 00" E	
Farm Gouna (see Farm Visagierus), Williston, SW (see also: Calvinia, 54 mi [=87 km] E, Williston, 18.2 km S, 38.7 km W)	South Africa	31° 32' 16" S 29° 09' 00" E	3600 ft
Farm Graspan 60, Kroonstad (see also: Farm 60 (Graspan), Graspan, Farm 60)	South Africa	27° 48' 00" S 26° 58' 00" E	
Farm Greefswald 37MS, 67 km W Messina; Shashi-Limpopo confluence (see also: Farm 37MS (Greefswald), Greefswald [=Mapungubwe], Greefswald, Farm 37MS, Mapungubwe, Messina, 67 km W, Messina, 75 km W)	South Africa	22° 12' 00" S 29° 23' 00" E	
Farm Groedehoop, 11 km S, 11 km E Vryheid (see also: Groedehoop, Farm, Vryheid, 11 km S, 11 km E)	South Africa	27° 52' 00" S 30° 55' 00" E	1050 m
Farm Groot Suikerboschkop 124, Dullstroom (see also: Farm 124 (Groot Suikerboschkop), Farm 124 (Grootsuikerboschkop), Farm Grootsuikerboschkop 124, Groot Suikerboschkop, Farm 124, Grootsuikerboschkop, Farm 124)	South Africa	25° 24' 36" S 30° 06' 00" E	
Farm Groote Drift, 9.9 km S, 12.3 km Eelandsbaai (see also: Elandsbaai, 9.9 km S, 12.3 km E, Groote Drift, Farm, Piketburg)	South Africa	32° 24' 00" S 18° 28' 23" E	10 m
Farm Grootfontein, 9 (or 19?) km SW Reivilo (see also: Grootfontein, Farm, Reivilo, 9 (or 19?) km SW)	South Africa	27° 39' 00" S 24° 00' 00" E	
Farm Groothoek 99, 25 km ESE Potgietersrus (see also: Farm 99 (Groothoek), Groothoek, Farm 99, Potgietersrus, 25 km ESE)	South Africa	24° 21' 00" S 29° 07' 48" E	
Farm Grootsuikerboschkop 124 (see Farm Groot Suikerboschkop 124), Dullstroom	South Africa	25° 24' 36" S 30° 06' 00" E	

Farm Guano Caves 163, 5.2 km S, 5.0 km E Montagu (see also: Boesman Grotte, Bushmans Caves, Farm 163 (Guano Caves), Guano Caves, Farm 163, Montagu, 5.2 km S, 5.0 km E)	South Africa	33° 49' 58" S 20° 10' 28" E	420 m
Farm Haffenden Heights 35KT (see also: Farm 35KT (Haffenden Heights), Haffenden Heights, Farm 35KT)	South Africa	24° 07' 00" S 30° 00' 30" E	
Farm Harmony 140KT (see also: Farm 140KT (Harmony), Harmony, Farm 140KT)	South Africa	24° 16' 22" S 30° 36' 50" E	
Farm Hartbeesfontein 603 KQ, 50 km SE Thabazimbi, Bela-Bela municipality (see also: Farm 603 KQ (Hartbeesfontein), Hartbeesfontein, Farm 603 KQ, Thabazimbi, 50 km SE)	South Africa	24° 47' 04" S 27° 45' 49" E	1182 m
Farm Hartebeesfonein 473 JQ (see Farm Fourwinds)	South Africa	25° 49' 48" S 27° 40' 12" E	
Farm Hartebeesthoek, 48 km SE Thabazimbi (see also: Hartebeesthoek, Farm, Thabazimbi, 48 km SE)	South Africa	24° 47' 00" S 27° 45' 00" E	
Farm Hectorspruit, Barbeton (see also: Hectorspruit, Farm)	South Africa	25° 26' 00" S 31° 40' 00" E	
Farm Hekpoort, Thambazimbi / Witwatersberg (see also: Hekpoort, Farm, Witwatersberg)	South Africa	24° 44' 00" S 27° 37' 00" E	
Farm Helena 780, Vredefort (see also: Farm 780 (Helena), Helena, Farm 780)	South Africa	26° 53' 00" S 27° 23' 00" E	
Farm Hennops River 489, Pretoria (see also: Farm 489 (Hennops River), Farm 489 (Hennopsrivier), Farm Hennopsrivier 489, Hennops River, Farm 489, Hennopsrivier, Farm 489)	South Africa	25° 51' 00" S 27° 58' 00" E	
Farm Hennopsriver 489, Pretoria (see also: Farm 355 (Mooiplaas), Farm 489 (Hennopsriver), Farm Mooiplaas 355, Hennopsriver, Farm 489, Mooiplaas, Farm 355, Skurweberg cave)	South Africa	25° 50' 00" S 27° 58' 00" E	
Farm Hennopsrivier 489 (see Farm Hennops River 489), Pretoria	South Africa	25° 51' 00" S 27° 58' 00" E	
Farm Hermitage, Phalaborwa (see also: Hermitage Farm, Hermitagie camp)	South Africa	24° 34' 00" S 31° 24' 00" E	
Farm Hexrivier 405 (see also: Farm 405 (Hexrivier), Hexrivier, Farm 405)	South Africa	29° 39' 00" S 26° 10' 00" E	
Farm Hilda [=V.L.NR.], 32 km NE Alldays (see also: Alldays, 32 km NE, Hilda, Farm [=V.L.NR.])	South Africa	22° 19' 00" S 29° 14' 00" E	
Farm Hohewarte (see also: Hohewarte, Farm, Windhoek, 47 mi [=75 km] E)	Namibia	22° 38' 29" S 17° 24' 30" E	
Farm Huns 106	Namibia	27° 23' 00" S 17° 23' 00" E	
Farm In-de-Diepte 164JT (see also: Farm 164JT (In-de-Diepte), In-de-Diepte, Farm 164JT)	South Africa	25° 43' 00" S 30° 01' 00" E	
Farm Ingwenya 409SU (see also: Farm 409 SU (Ingwenya), Ingwenya, Farm 409SU)	South Africa	27° 20' 00" S 31° 57' 43" E	185 m
Farm Inverary (see also: Inverary)	South Africa		
Farm Kaalfontein 261, 37 km NW Potgietersrus (see also: Farm 261 (Kaalfontein), Kaalfontein, Farm 261)	South Africa	24° 15' 00" S 28° 24' 00" E	
Farm Kaffraria (see Kaffraria, Farm)	South Africa	27° 48' 00" S 25° 07' 00" E	
Farm Kalkfontein 111KP (see Madikwe Game Reserve)	South Africa	24° 45' 58" S 26° 22' 16" E	
Farm Kanaän, 70 km W Helmeringhausen, Edge of Diamond area nr 2 (see also: Helmeringhausen, 70 km W)	Namibia	25° 52' 00" S 16° 07' 00" E	
Farm Kanabeam 331 (see also: Farm 331 (Kanabeam), Kanabeam, Farm 331)	Namibia	28° 09' 00" S 17° 31' 00" E	375 m
Farm Kareepoort, Philippolis (see also: Kareepoort, Farm)	South Africa	30° 15' 00" S 25° 04' 00" E	
Farm Katrina (see also: Katrina, Farm)	South Africa	27° 39' 00" S 25° 36' 00" E	
Farm Keikamspoort 71, 20 km SE Prieska (see also: Farm 71 (Keikamspoort), Keikamspoort, Farm 71, Prieska, 20 km SE)	South Africa	29° 53' 00" S 22° 52' 00" E	

Farm Kersbos, 10 km NNE Bitterfontein (see also: Bitterfontein, 10 km NNE, Kersbos, Farm)	South Africa		30° 57' 00" S 18° 12' 00" E	
Farm Kersefontein, 16 km N Hopefield (see also: Berg River, Hopefield, 16 km N, Kersefontein, Farm)	South Africa		32° 54' 13" S 18° 19' 51" E	
Farm Kleinpoort (Bd), 7.2 km S, 5.7 km W Committees Drift (see also: Committees Drift, 7.2 km S, 5.7 km W, Kleinpoort, Farm)	South Africa		33° 13' 20" S 26° 46' 16" E	200 m
Farm Kleintuinfontein, 10.8 km S, 10.7 km E Petrusville (see also: Kleintuinfontein, Farm, Petrusville, 10.8 km S, 10.7 km E)	South Africa		30° 10' 42" S 24° 46' 13" E	3900 ft
Farm Klipbanksfontein 607, Postmasburg (see also: Farm 607 (Klipbanksfontein), Klipbanksfontein, Farm 607)	South Africa	ca.	28° 18' 00" S 23° 05' 00" E	
Farm Klipfontein 407, 19 km SSE Ohhrigstad (see also: Echo caves, Farm 407 (Klipfontein), Klipfontein, Farm 407, Ohhrigstad, 19 km SSE)	South Africa		24° 33' 28" S 30° 36' 28" E	
Farm Klipfontein 54JS, 30 km NE Vaalwater; Waterberg (see also: Farm 54JS (Klipfontein), Klipfontein, Farm 54JS, Vaalwater, 30 km NE)	South Africa		24° 08' 00" S 28° 08' 00" E	
Farm Klipgat 217JT (see also: Farm 217JT (Klipgat), Klipgat, Farm 217JT)	South Africa		25° 11' 00" S 30° 43' 00" E	
Farm Klipsteen 67JT (see also: Farm 67JT (Klipsteen), Klipsteen, Farm 67JT)	South Africa		25° 13' 25" S 30° 18' 12" E	
Farm Koedoeskloof, 45.2 km S, 28.6 km W Murraysburg (see also: Koedoeskloof, Farm, Murraysburg, 45.2 km S, 28.6 km W)	South Africa		32° 21' 23" S 23° 27' 04" E	884 m
Farm Koegelbeen, 21 km NE Griekwastad (see also: Koegelbeen, Farm)	South Africa		28° 40' 00" S 23° 21' 00" E	
Farm Koele 97 (see Thaba Nchu)	South Africa		29° 13' 00" S 26° 50' 00" E	1531 m
Farm Korfshoek 193, Harrismith (see also: Farm 193 (Korfshoek), Korfshoek, Farm 193)	South Africa		28° 30' 00" S 28° 46' 00" E	
Farm Kraaibosch 55JT, Lydenberg (see also: Farm 55JT (Kraaibosch), Kraaibosch, Farm 55JT)	South Africa		25° 10' 13" S 30° 12' 07" E	1784 m
Farm Kranskop 392 (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Farm Kudus Vlei, 60 km W Louis Trichard (see also: Kudus Vlei Farm, Louis Trichardt, 60 km W)	South Africa		23° 03' 14" S 29° 29' 14" E	956 m
Farm Kunkuru, Warmbaths (see also: Kunkuru, Farm)	South Africa		27° 53' 00" S 27° 49' 00" E	
Farm La Rochelle 506 (see Smithfield), Smithfield	South Africa		30° 13' 00" S 26° 32' 00" E	
Farm Langverwaght 196 (see Vrede), Vrede	South Africa		27° 25' 00" S 29° 10' 00" E	1668 m
Farm Leelykstraat 320, 30 km NE Marydale (see also: Farm 320 (Leelykstraat), Leelykstraat, Farm 320, Marydale, 30 km NE)	South Africa		29° 11' 00" S 22° 18' 00" E	
Farm Leeudraai 221JR (see also: Farm 221JR (Leeudraai), Leeudraai, Farm 221JR)	South Africa		25° 22' 15" S 28° 33' 58" E	
Farm Leeuwenfontein 81, Steynsburg, 4.4 km N, 24.0 km W (see also: Farm 81 (Leeuwenfontein), Leeuwenfontein, Farm 81, Steynsburg, 4.4 km N, 24.0 km W)	South Africa		31° 15' 21" S 25° 34' 25" E	1510 m
Farm Leeuwspoor 647, S of Gollela; on Pongola river, Pongola road (see also: Farm 647 (Leeuwspoor), Leeuwspoor, Farm 647)	South Africa		27° 24' 00" S 31° 54' 00" E	
Farm Lemoenboord 320, Philippolis (see also: Farm 320 (Lemoenboord), Lemoenboord, Farm 320)	South Africa		30° 07' 30" S 24° 52' 30" E	
Farm Lemoenhoek 415, Ladybrand (see also: Farm 415 (Lemoenhoek), Lemoenhoek, Farm 415)	South Africa		29° 22' 30" S 27° 07' 30" E	
Farm Lessingshoogte, 15 mi [=24 km] W Middelburg	South Africa		31° 34' 00" S 24° 44' 00" E	
Farm Letsoana Stad 347, Fouriesburg (see also: Farm 347 (Letsoana Stad), Farm 347, Letsoana Stad)	South Africa		28° 37' 00" S 28° 13' 00" E	1801 m
Farm Lilliput 246, 16 km SW Messina (see also: Farm 246 (Lilliput), Lilliput, Farm 246, Messina, 16 km SW)	South Africa		22° 28' 00" S 29° 56' 00" E	

Farm Liverpool 202 (see also: Farm 202 (Liverpool), Liverpool, Farm 202)	South Africa		
Farm Luna 61MS [=V.L.N.R.], 32 km NE Alldays (see also: Alldays, 32 km NE, Farm 61MS (Luna) [=V.L.N.R.], Luna, Farm 61MS [=V.L.N.R.])	South Africa	22° 22' 00" S 29° 21' 00" E	
Farm Makalali, Letaba (see also: Makalali, Farm)	South Africa	24° 09' 00" S 30° 42' 00" E	
Farm Makapansgat 39, 16 km NE Potgietersrus (see also: Farm 39 (Makapansgat), Ficus cave, Makapan cave, Makapans Valley, Makapansgat Historic Cave, Makapansgat, Farm 39, Pepercorn's cave, Peppercorn Cave, Peppercorn's cave, Potgietersrus, 16 km NE)	South Africa	24° 09' 00" S 29° 11' 00" E	1604 m
Farm Malata (see also: Malata, Farm)	South Africa	23° 59' 00" S 31° 50' 00" E	
Farm Malta, 19 km W Letaba (see also: Letaba, 19 km W)	South Africa	24° 10' 00" S 30° 14' 00" E	
Farm Marthavale, 40 km NW Kuruman (see also: Kuruman, 40 km NW, Marthavale, Farm)	South Africa	27° 20' 00" S 23° 04' 00" E	
Farm Merrimietzie 576 (see Winburg)	South Africa	28° 32' 00" S 27° 01' 00" E	1494 m
Farm Middelwater 750, Hoopstad (see also: Farm 750 (Middelwater), Middelwater, Farm 750)	South Africa	27° 44' 00" S 25° 26' 00" E	
Farm Mimosa 454, 25 km ENE Postmasburg (see also: Farm 454 (Mimosa), Mimosa, Farm 454, Postmasburg, 25 km ENE)	South Africa	28° 11' 00" S 23° 19' 00" E	
Farm Mitford Park, 5 km W Riebeek-Oos (see also: Mitford Park, Farm, Riebeek-Oos, 5 km W)	South Africa	33° 12' 00" S 26° 06' 00" E	700 m
Farm Modder Fontein, 7 - 8 mi [=11.3 - 12.8 km] W Springbok (see also: Farm Modderfontein, Modder Fontein, Farm, Modderfontein, Farm, Springbok, 7 - 8 mi [=11.3 - 12.8 km] W)	South Africa	29° 41' 00" S 17° 48' 00" E	
Farm Modderfontein (see also: Malmesbury, 13 km NE, Modderfontein, Farm)	South Africa	33° 25' 00" S 18° 51' 00" E	
Farm Modderfontein, 24 km SE Potgietersrus (see also: Howell Davies Cave, Modderfontein, Farm, Potgietersrus, 24 km SE)	South Africa	24° 20' 00" S 29° 12' 00" E	
Farm Modderfontein (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok	South Africa	29° 41' 00" S 17° 48' 00" E	
Farm Mokeetsi, Letaba-Tzaneen (see also: Moeketsi, Mokeetsi, Farm, Moketsi, Mooketsi)	South Africa	23° 35' 00" S 30° 05' 00" E	
Farm Mokeetsi 376 (see Farm Duiwelskloof 376), Tzaneen	South Africa	23° 42' 00" S 30° 08' 00" E	
Farm Mooigenoeg 83, 8 km S Derdepoort (see also: Derdepoort, 8 km S, Farm 83 (Mooigenoeg), Mooigenoeg, Farm 83)	South Africa	24° 40' 00" S 26° 20' 00" E	
Farm Mooihoek 376, 4.4 km S, 28.3 km W Outjo (see also: Farm 376 (Mooihoek), Mooihoek, Farm 376, Outjo, 4.4 km S, 28.3 km W)	Namibia	20° 08' 45" S 15° 52' 48" E	1360 m
Farm Mooimeisjesfontein 147JQ, Assen (see also: Farm 147JQ (Mooimeisjesfontein), Farm 147JQ (Mooimysjesfontein), Farm 147JQ (Mooiymysjesfontein), Farm Mooimysjesfontein 147JQ, Farm Mooiymysjesfontein 147JQ, Mooimeijesfontein, Mooimeisjesfontein, Farm 147JQ, Mooimysjesfontein, Farm 147JQ, Mooiymysjesfontein, Farm 147JQ)	South Africa	25° 01' 00" S 27° 37' 00" E	
Farm Mooimysjesfontein 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa	25° 01' 00" S 27° 37' 00" E	
Farm Mooiplaas 355 (see Farm Hennopsriver 489), Pretoria	South Africa	25° 50' 00" S 27° 58' 00" E	
Farm Mooiplaas 94, 18 km SSE Derdepoort (see also: Derdepoort, 18 km SSE, Farm 94 (Mooiplaas), Mooiplaas, Farm 94)	South Africa	24° 45' 00" S 26° 24' 00" E	
Farm Mooiymysjesfontein 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa	25° 01' 00" S 27° 37' 00" E	
Farm Moscow 274, Heilbron (see also: Farm 274 (Moscow), Moscow, Farm 274)	South Africa	27° 17' 00" S 27° 58' 00" E	
Farm Mosslands, 11 mi [=17.7 km] SSW Grahamstown (see also: Grahamstown, 11 mi [=17.7 km] SSW, Mossland, Mosslands, Farm)	South Africa	33° 24' 23" S 26° 25' 45" E	

Farm Mouton's Valley A80, 15.2 km N, 3.5 km W Piketberg (see also: Farm A80 (Mouton's Valley), Mouton's Valley, Farm A80, Piketberg, 15.2 km N, 3.5 km W)	South Africa	32° 46' 11" S 18° 43' 08" E	545 m
Farm Musterland 113, 14.5 km S, 28 km W Outjo (see also: Farm 113 (Musterland), Musterland, Farm 113, Outjo, 14.5 km S, 28 km W)	Namibia	20° 14' 16" S 15° 53' 00" E	1200 m
Farm Naerina, 8 km E Duiwelskloof (see also: Duiwelskloof, 8 km E, Naerina, Farm)	South Africa	23° 42' 00" S 30° 16' 00" E	
Farm Nakaetsi 376, Tzaneen district, Zoutpansberg (see also: Farm 376 (Nakaetsi), Nakaetsi, Farm 376)	South Africa	23° 40' 00" S 30° 05' 00" E	
Farm Narap, 28 km SSE Springbok (see also: Marop, Narap, Farm, Springbok, 28 km SSE)	South Africa	29° 53' 00" S 17° 46' 00" E	
Farm Narina, 8 km E Letaba-Duiwelskloof (see also: Letaba-Duiwelskloof, 8 km E, Malta, Farm, Narina, Farm)	South Africa	23° 42' 00" S 30° 14' 00" E	
Farm New Belgium 608, 65 km N Vaalwater (see also: Farm 608 (New Belgium), New Belgium, Farm 608, RR Ranch)	South Africa	23° 53' 00" S 28° 08' 00" E	
Farm Nico Smith, 20 mi [=32 km] W Port Elisabeth (see also: Nico Smith, Farm, Port Elisabeth, 20 mi [=32 km] W)	South Africa	33° 59' 12" S 25° 17' 48" E	
Farm Nicorel 343, 18 km N Steilloop(burg) (see also: Farm 343 (Nicorel), Nicorel, Farm 343, Steilloop, 18 km N, Steilloopburg, 18 km N)	South Africa	23° 15' 36" S 28° 36' 36" E	
Farm Non Pareil 396 (see Warden), Warden	South Africa	27° 51' 00" S 28° 58' 00" E	1643 m
Farm Nooitgedacht, 20 km from Louis Trichardr (see also: Nooitgedacht, Farm)	South Africa	22° 56' 00" S 29° 58' 00" E	614 m
Farm Nooitgedacht 508, 14 km SSE Potchefstroom (see also: Farm 508 (Nooitgedacht), Nooitgedacht, Farm 508, Potchefstroom, 14 km SSE)	South Africa	26° 55' 12" S 27° 10' 12" E	
Farm Northern Kakamas, 20.5 km NW Kakamas, behind cottages at Khamkirri (see also: Kakamas, 20.5 km NW, Northern Kakamas, Farm)	South Africa	28° 39' 00" S 20° 26' 00" E	
Farm Nova 667, Ladybrand (see also: Farm 667 (Nova), Nova, Farm 667)	South Africa	29° 07' 30" S 27° 22' 30" E	
Farm Nydas (see Farm Cnydas), 12 km NW Lutzput	South Africa	28° 22' 00" S 20° 34' 00" E	
Farm Nyls Vly (see Nylsvlei Farm), Potgietersrus-Naboomspruit	South Africa	24° 39' 00" S 28° 42' 00" E	
Farm Nylsvlei (see Nylsvlei Farm), Potgietersrus-Naboomspruit	South Africa	24° 39' 00" S 28° 42' 00" E	
Farm Ohkotso, Pretoria, 32.6 km, on Molopo Road (see also: Farm Voigt's, Ohkotso, Farm, Pretoria, 32.6 km from, Voigt's; Farm)	South Africa	25° 37' 00" S 28° 37' 00" E	
Farm Okandukaseibe 27, 47 km S Wilhelmstal (see also: Wilhelmstal, 47 km S)	Namibia	21° 33' 00" S 16° 06' 00" E	
Farm Okhotso Boekenhoutskloof (see Farm Boekenhoutskloof), Cullinan	South Africa	25° 31' 00" S 28° 25' 00" E	
Farm Okosongomingo 148, 52 km ESE Otjiwarongo (see also: Otjiwarongo, 52 km ESE)	Namibia		
Farm Olifantspoort 328, 19 km [=12 mi] S Rustenburg (see also: Farm 328 (Olifantspoort), Olifantspoort, Farm 328, Retiefkloof, Rustenburg, 19 km [=12 mi] S)	South Africa	25° 50' 00" S 27° 15' 00" E	
Farm Olivewood 284, 15 km WNW Hotazel (see also: Farm 284 (Olivewood), Hotazel, 15 km WNW, Olivewood, Farm 284)	South Africa	27° 12' 00" S 22° 48' 00" E	
Farm Olyvekloof 184 (see also: Farm 184 (Olyvekloof), Olyvekloof, Farm 184)	South Africa	31° 07' 00" S 26° 52' 00" E	
Farm Ombarahewa 22, 0.7 km N, 35.2 km W Otjiwarongo (see also: Farm 22 (Ombarahewa), Ombarahewa, Farm 22, Otjiwarongo, 0.7 km N, 35.2 km W)	Namibia	20° 27' 50" S 16° 18' 32" E	1320 m
Farm Ombonde 616, 40 km W Kamanjab (see also: Kamanjab, 40 km W)	Namibia	19° 33' 00" S 14° 32' 00" E	
Farm Omdraaivlei, Briststown	South Africa	30° 05' 00" S 23° 08' 00" E	
Farm Onder Downs (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	South Africa	31° 31' 06" S 19° 31' 06" E	

Farm Onder-Downes, 6 mi [=9.6 km] E Calvinia (see also: Calvinia, 6 mi [=9.6 km] E, Farm Onder Downs, Farm Onderdownes Wes, Onder Downs, Farm, Onderdownes Wes, Farm, Onder-Downes, Farm)	South Africa	31° 31' 06" S 19° 31' 06" E	
Farm Onderdownes Wes (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	South Africa	31° 31' 06" S 19° 31' 06" E	
Farm Onverwacht 544JT, Sjonajona (see also: Farm 544JT (Onverwacht), Onverwacht, Farm 544JT)	South Africa	25° 45' 38" S 30° 42' 05" E	
Farm Oograbies West 153 (see also: Augrabies Wes, Farm 153, Farm 153 (Augrabies Wes), Farm 153 (Oograbies West), Farm Augrabies Wes 153, Oograbies West, Farm 153)	South Africa	29° 12' 00" S 17° 05' 00" E	
Farm Opelo Süd 39, 14.9 km N, 4.6 km E Omaruru (see also: Farm 39 (Opelo Süd), Omaruru, 6 km E, Opelo Süd, Farm 39)	Namibia	21° 16' 52" S 15° 59' 50" E	1300 m
Farm Orange Grove, 2.2 km N, 0.9 km E Petrusville (see also: Orange Grove, Farm, Petrusville, 2.2 km N, 0.9 km E)	South Africa	30° 03' 44" S 24° 40' 06" E	1173 m
Farm Othawo 242, 16 km N Newington (see also: Farm 242 (Othawo), Newington, 16 km N, Othawo, Farm 242, Sabie Sand Private Nature Reserve)	South Africa	24° 45' 00" S 31° 26' 00" E	
Farm Otjikoko Sud 61, 48 km ENE Omaruru (see also: Omaruru, 48 km ENE, Pipistrelle Cave)	Namibia	21° 18' 00" S 16° 27' 00" E	
Farm Otjitambi 25, 20 km S, 35 km E Outjo [Kamanjab] (see also: Farm 25 (Otjitambi), Otjitambi, Farm 25, Outjo, 20 km S, 35 km E)	Namibia	19° 48' 00" S 15° 11' 00" E	1150 m
Farm Otto's Bluff, 15 km NNW Pietermaritzburg (see also: Koks farm, Kok's farm, Ottos Bluff, Otto's Bluff Farm, Pietermaritzburg, 15 km NNW)	South Africa	29° 30' 00" S 30° 21' 00" E	1188 m
Farm Parsons Rust 465, Vredefort (see also: Farm 465 (Parsons Rust), Parsons Rust, Farm 465)	South Africa	26° 53' 00" S 27° 19' 00" E	
Farm Peperhoek 729, Fauresmith (see also: Farm 729 (Peperhoek), Peperhoek, Farm 729)	South Africa	29° 37' 30" S 24° 22' 30" E	
Farm Perkeo 223KT (see also: Farm 223KT (Perkeo), Perkeo, Farm 223KT)	South Africa	24° 28' 00" S 30° 36' 00" E	
Farm Pickford, 12 mi N Port Elizabeth	South Africa	33° 49' 00" S 25° 32' 00" E	
Farm Pinehurst 291, Ladybrand (see also: Farm 291 (Pinehurst), Pinehurst, Farm 291)	South Africa	29° 07' 30" S 27° 22' 30" E	
Farm Platbos, 32 km NW Vaalwater; Waterberg (see also: Platbos, Farm, Vaalwater, 32 km NW)	South Africa	24° 13' 00" S 27° 52' 00" E	
Farm Pretty View, 6.3 km N, 6.4 km W Seymour (see also: Pretty View, Farm, Seymour, 6.3 km N, 6.4 km W)	South Africa	32° 29' 49" S 26° 42' 14" E	850 m
Farm Randstephne 455KQ (see also: Farm 455KQ (Randstephne), Randstephne, Farm 455KQ)	South Africa	24° 36' 58" S 27° 39' 31" E	993 m
Farm Rangerton (see also: Rangerton, Farm)	South Africa	32° 36' 44" S 27° 39' 50" E	740 m
Farm Ratelfontein, 17.5 km S, 5.7 km W Elim (see also: Elim, 17.5 km S, 5.7 km W, Ratelfontein, Farm)	South Africa	34° 44' 50" S 19° 41' 45" E	30 m
Farm Ratsegaai 204, 13 km W Ventersdorp (see also: Farm 204 (Ratsegaai), Ratsegaai, Farm 204, Ventersdorp, 13 km W)	South Africa	26° 22' 00" S 26° 44' 00" E	
Farm Regina 68 [=V.L.N.R.], 32 km NE Alldays (see also: Alldays, 32 km NE, Farm 68 (Regina) [=V.L.N.R.], Regina, Farm 68 [=V.L.N.R.])	South Africa	22° 22' 48" S 29° 16' 12" E	
Farm Rheinvels, 35 km SSW Keetmanshoop (see also: Keetmanshoop, 35 km SSW)	Namibia	26° 57' 00" S 17° 26' 00" E	
Farm Rhenosterfontein, Potchefstroom (see also: Rhenosterfontein; Farm)	South Africa	26° 34' 00" S 27° 31' 00" E	
Farm Rhenosterspruit 59JQ (see also: Farm 59JQ (Rhenosterspruit), Rhenosterspruit, Farm 59JQ)	South Africa	25° 22' 30" S 27° 07' 30" E	
Farm Rhoda 9, 13 km S Phalaborwa (see also: Farm 9 (Rhoda), Rhoda, Farm 9)	South Africa	24° 03' 00" S 31° 06' 00" E	

Farm Rietfontein, Middleburg (see also: Rietfontein, Farm)	South Africa		25° 53' 00" S 29° 23' 00" E	
Farm Rietfontein, 8.0 km N, 3.0 km W Aurora (see also: Aurora, 8.0 km N, 3.0 km W, Rietfontein, Farm)	South Africa		32° 38' 00" S 18° 28' 00" E	125 m
Farm Rietfontein 404, 7 km N Sasolburg (see also: Farm 404 (Rietfontein), Rietfontein, Farm 404, Sasolburg, 7 km N)	South Africa		26° 46' 00" S 27° 43' 30" E	
Farm Rietfontein 536KQ, Bela-Bela Municipality,off R516, 53 km W of Bela-Bela (see also: Bela-Bela, 53 km W, Farm 536KQ (Rietfontein), Rietfontein, Farm 536KQ)	South Africa		24° 54' 30" S 27° 44' 36" E	
Farm Rietfontein, pt 16, Bronkhorstspruit (see also: Rietfontein, Farm pt 16)	South Africa	ca.	25° 48' 00" S 28° 44' 00" E	
Farm Rietgat, plot 102, Pretoria (see also: Rietgat, Farm plot 102)	South Africa		25° 43' 00" S 28° 11' 00" E	
Farm River 141 MS, Soutpansberg (see also: Farm 141 MS (River), River, Farm 141 MS)	South Africa		22° 11' 57" S 29° 52' 43" E	
Farm Rochdale, 5 mi E Waterpoort (see also: Rochdale, Farm, Waterpoort, 5 mi [=8 km] E)	South Africa		22° 54' 00" S 29° 41' 00" E	
Farm Rolspruit 127, 7 km E Leslie (see also: Farm 127 (Rolspruit), Farm Rotspruit, Leslie, 7 km E, Rolspruit, Farm 127, Rotspruit, Farm)	South Africa		26° 24' 00" S 29° 00' 00" E	
Farm Roodekopjes, Amersfoort Dist. (see also: Roodekopjes, Farm)	South Africa		27° 03' 00" S 29° 48' 00" E	
Farm Roodepoort 386, 15 km E Standerton (see also: Farm 386 (Roodepoort), Roodepoort; Farm 386, Standerton, 15 km E)	South Africa		26° 54' 00" S 29° 22' 00" E	
Farm Rooikrans 538, Thabazimbi (see also: Farm 538 (Rooikrans), Farm 538 (Rooikranz), Farm Rooikranz 538, Rooikrans, Farm 538, Rooikranz, Farm 538)	South Africa		24° 53' 00" S 27° 39' 00" E	
Farm Rooikranz 538 (see Farm Rooikrans 538), Thabazimbi	South Africa		24° 53' 00" S 27° 39' 00" E	
Farm Rotspruit (see Farm Rolspruit 127), 7 km E Leslie	South Africa		26° 24' 00" S 29° 00' 00" E	
Farm Rotterdam, 10 mi [=16 km] N Thabazimbi	South Africa		24° 33' 17" S 27° 20' 20" E	
Farm Rykvoorby 96, 9 km N Zeerust (see also: Farm 96 (Rykvoorby), Rykvoorby, Farm 96, Zeerust, 9 km N)	South Africa		25° 29' 00" S 26° 04' 00" E	
Farm Sandfontein 468, Gobabis, E (see also: Farm 468 (Sandfontein), Sandfontein (farmstead), Sandfontein, Farm 468)	Namibia		22° 18' 00" S 19° 59' 00" E	4100 ft
Farm Sandspruit, 40 mi WNW Warmbad (see also: Sandspruit Cave, Sandspruit, Farm, Warmbad, 40 mi [=64 km] WNW)	South Africa		24° 36' 36" S 27° 39' 36" E	
Farm Sarum 245LS, 16 km NW Louis Trichardt; Buzzard Mountain Retreat (see also: Farm 245LS (Sarum), Sarum, Farm 245LS)	South Africa		23° 02' 00" S 29° 46' 00" E	
Farm Schaapplaas 1785, Clarens (see also: Farm 1785 (Schaapplaas), Schaapplaas, Farm 1785)	South Africa	ca.	28° 37' 00" S 28° 22' 00" E	
Farm Schaapplaats 930 (see also: Farm 930 (Schaapplaats), Schaapplaats, Farm 930)	South Africa		27° 55' 42" S 28° 58' 21" E	
Farm Scholtze Kloof 154, 3.7 km S, 3.2 km W Prince Albert (see also: Farm 154 (Scholtze Kloof), Prince Albert, 3.7 km S, 3.2 km W, Scholtze Kloof, Farm 154)	South Africa		33° 15' 36" S 21° 59' 47" E	675 m
Farm Schulp Fontein 472, 16 km NW, Namaqualand (see also: Farm 472 (Schulp Fontein), 16 km NW, Farm 472 (Schulpfontien), 16 km NW, Farm Schulpfontien 472, 16 km NW, Schulp Fontein, Farm 472, 16 km NW, Schulpfontien, Farm 472, 16 km NW)	South Africa		30° 05' 00" S 17° 11' 30" E	
Farm Schulpfontien 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	South Africa		30° 05' 00" S 17° 11' 30" E	
Farm Schurwepoort 448, Koppies (see also: Farm 448 (Schurwepoort), Schurwepoort, Farm 448)	South Africa		27° 25' 00" S 27° 35' 00" E	
Farm Schwarzerfels 33, 38.8 km W Otjiwarongo (see also: Farm 33 (Schwarzerfels), Otjiwarongo, 38.8 km W, Schwarzerfels, Farm 33)	Namibia		20° 27' 15" S 16° 16' 25" E	1400 m

Farm Scrutton 23MT, 32 km E Messina (see also: Farm 23MT (Scrutton), Messina, 32 km E, Scrutton, Farm 23MT)	South Africa	22° 21' 00" S 30° 21' 00" E	1450 ft
Farm Secheili's Oude Stad 6, Zeerust (see also: Farm 6 (Secheili's Oude Stad), Secheili's Oude Stad, Farm 6)	South Africa	24° 53' 00" S 25° 58' 00" E	
Farm Sheila 10, Leydsdorp (see also: Farm 10 (Sheila), Sheila, Farm 10)	South Africa	24° 03' 00" S 31° 09' 00" E	
Farm Sissekab (see also: Sissekab, Farm)	Namibia		
Farm Skoongesig 360JS, Languitsig (see also: Farm 360JS (Skoongesig), Skoongesig, Farm 360JS)	South Africa	25° 37' 00" S 29° 52' 00" E	
Farm Slingerpan, 14.9 km N, 9.2 km W Strydenburg (see also: Slingerpan, Farm, Strydenburg, 14.9 km N, 9.2 km W)	South Africa	29° 48' 28" S 23° 34' 56" E	1158 m
Farm Sparta (see also: Sparta, Farm)	South Africa	24° 48' 00" S 31° 30' 00" E	
Farm Spitskop 398, Fauresmith (see also: Farm 398 (Spitskop), Spitskop, Farm 398)	South Africa	29° 30' 00" S 25° 59' 00" E	
Farm Sterkfontein 173IQ (see Sterkfontein, Farm 173IQ)	South Africa	26° 01' 43" S 27° 42' 37" E	
Farm Sterkfontein 495JR (see Telperion Nature Reserve)	South Africa	25° 42' 41" S 29° 01' 03" E	
Farm Sterkspruit 33JT, Lydenberg (see also: Farm 33JT (Sterkspruit), Lydenberg Fisheries, Lydenberg Vissery, Lydenburg Fisheries, Sterkspruit, Farm 33JT)	South Africa	25° 06' 50" S 30° 28' 50" E	1450 m
Farm Sterkspruit 412KT, Mogaba (see also: Farm 412KT (Sterkspruit), Sterkspruit, Farm 412KT)	South Africa	24° 37' 00" S 30° 37' 00" E	
Farm Steyerskraal, 50 km N, 10 km E Pofadder (see also: Farm Styrskraal, Pofadder, 50 km N, 10 km E, Steyerskraal, Farm, Styrskraal, Farm)	South Africa	28° 40' 00" S 19° 30' 00" E	500 m
Farm Stolzenfels, S bank Orange river (see also: Stolzenfels, Farm)	South Africa	28° 31' 14" S 19° 42' 02" E	
Farm Stones Hill, 5 km S, 5 km E Grahamstown (see also: Grahamstown, 5 km S, 5 km E, Stones Hill, Farm)	South Africa	33° 20' 00" S 26° 34' 00" E	430 m
Farm Strathfieldsaye, near Eston (see also: Strathfieldsaye, Farm)	South Africa	29° 55' 15" S 30° 27' 44" E	
Farm Styrskraal (see Farm Steyerskraal)	South Africa	28° 40' 00" S 19° 30' 00" E	500 m
Farm Sudwalaskraal 271JT (see also: Farm 271JT (Sudwalaskraal), Sudwalaskraal, Farm 271JT)	South Africa	25° 22' 00" S 30° 37' 00" E	
Farm Swartkoppies, 8.7 km S, 8.5 km W De Aar (see also: De Aar, 8.7 km S, 8.5 km W, Swartkoppies, Farm)	South Africa	30° 43' 45" S 23° 55' 21" E	1234 m
Farm Swq 1032, 16.4 km N, 21.5 km W Bredasdorp (see also: Bredasdorp, 16.4 km N, 21.5 km W, Farm 1032 (Swq), Swq, Farm 1032)	South Africa	34° 23' 04" S 19° 48' 27" E	166 m
Farm Tambotiekloof 601, 10 km NE Ellisras (see also: Ellisras, 10 km NE, Farm 601 (Tambotiekloof), Farm Tambotieskloof 601, Tambotiekloof, Farm 601, Tambotieskloof, Farm 601)	South Africa	23° 54' 00" S 27° 41' 00" E	
Farm Tambotieskloof 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	South Africa	23° 54' 00" S 27° 41' 00" E	
Farm Tangala 87, NW Orpen Gate (see also: Farm 87 (Tangala), Tangala, Farm 87)	South Africa	24° 28' 00" S 31° 12' 00" E	
Farm Tenbosch 112JU (see also: Farm 112JU (Tenbosch), Tenbosch, Farm 112JU)	South Africa	25° 22' 35" S 31° 55' 21" E	
Farm Thankerton 175JU (see also: Farm 175JU (Thankerton), Thankerton, Farm 175JU)	South Africa	25° 26' 21" S 31° 39' 27" E	
Farm The Downs, Lebowa (see also: The Downs, Farm)	South Africa	24° 09' 00" S 30° 11' 00" E	
Farm Tjirundo 91, Omaruru, 24.5 km N, 7.8 km W (see also: Farm 91 (Tjirundo), Tjirundo, Farm 91)	Namibia	21° 12' 50" S 15° 52' 20" E	1300 m
Farm Tweepoort 404, 2 km NE Amsterdam (see also: Amsterdam, 2 km NE, Farm 404 (Tweepoort), Tweepoort, Farm 404)	South Africa	26° 36' 00" S 30° 43' 00" E	
Farm Twin Streams, Mtunzini (see also: Twin Streams Farm)	South Africa	28° 58' 00" S 31° 42' 00" E	

Farm Tygerkloof 354, 24 km SW Thabazimbi (see also: Farm 354 (Tygerkloof), Farm 354 (Tygerskloof), Farm Tygerskloof 354, Thabazimbi, 24 km SW, Tygerkloof, Farm 354, Tygerskloof, Farm 354)	South Africa	24° 41' 40" S 27° 12' 33" E	
Farm Tygerskloof 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi	South Africa	24° 41' 40" S 27° 12' 33" E	
Farm Uitkomst 499, Krugersdorp (see also: American cave, Farm 499 (Uitkomst), Jack Scott Private Nature Reserve, John Nash Nature Reserve, Long One Cave, Pretoria, 30 mi [=48 km] WSW, Pretoria, 32 mi [=51 km] W, Uitkomst, Farm 499)	South Africa	25° 54' 00" S 27° 46' 00" E	
Farm Uitkyk, Krugersdorp (see also: Uitkyk, Farm, Witkhyk)	South Africa	26° 05' 00" S 27° 46' 00" E	
Farm Uitkyk 264JT (see also: Buffelskloof Private Nature Reserve, Farm 264JT (Uitkyk), Uitkyk, Farm 264JT)	South Africa	25° 18' 00" S 30° 30' 00" E	
Farm Uitvlug, 5.0 km N, 11.0 km E Joubertina (see also: Joubertina, 5.0 km N, 11.0 km E)	South Africa	33° 49' 00" S 24° 01' 00" E	550 m
Farm Uitvlugt 227, Vrede (see also: Farm 227 (Uitvlugt), Uitvlugt, Farm 227)	South Africa	27° 27' 00" S 29° 23' 00" E	
Farm Uitzicht 630, Harrismith (see also: Farm 630 (Uitzicht), Uitzicht, Farm 630)	South Africa	28° 04' 00" S 28° 27' 00" E	
Farm Urk 10, 13 km W Vivo (see also: Blouberg Private Nature Reserve, Farm 10, Urk, Urk, Farm 10, Vivo, 13 km W)	South Africa	23° 02' 00" S 29° 08' 00" E	854 m
Farm Van Soelenshoek 590 (see Winburg)	South Africa	28° 32' 00" S 27° 01' 00" E	1494 m
Farm Vellefontein 517 KQ, Bela-Bela municipality, off road R50, 50 km W Bela-Bela (see also: Bela-Bela, 50 km W, Farm 517 KQ (Vellefontein), Vellefontein, Farm 517 KQ)	South Africa	24° 49' 26" S 27° 47' 07" E	
Farm Vergelegen 80JS (see also: Farm 80JS (Vergelegen), Loskop Dam Wall Inspection Tunnel, Vergelegen, Farm 80JS)	South Africa	25° 26' 00" S 29° 23' 00" E	
Farm Vergeval (see also: Vergeval, Farm)	South Africa	27° 29' 00" S 31° 42' 00" E	360 m
Farm Victoriaspoort 18IT (see also: Farm 18IT (Victoriaspoort), Kalkoenkrans Cave, Victoriaspoort, Farm 18IT)	South Africa	26° 02' 00" S 30° 19' 00" E	
Farm Visagierus, Williston, SW (see also: Farm Gouna, Gouna, Farm, Visagiesrus, Farm)	South Africa	31° 31' 00" S 20° 30' 00" E	3600 ft
Farm Vleiplaas, 2.8 km N, 3.8 km E Uniondale (see also: Uniondale, 2.8 km N, 3.8 km E, Vleiplaas, Farm)	South Africa	33° 37' 49" S 23° 10' 04" E	760 m
Farm Voigt's (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road	South Africa	25° 37' 00" S 28° 37' 00" E	
Farm Vrede (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet	South Africa	32° 13' 03" S 24° 12' 26" E	
Farm Vrisgewaagd 152, 4.0 km S, 13.9 km W Prince Albert (see also: Farm 152 (Vrisgewaagd), Prince Albert, 4.0 km S, 13.9 km W, Vrisgewaagd, Farm 152)	South Africa	33° 15' 47" S 21° 52' 57" E	600 m
Farm Vrolijkheid (see Vrolijkheid Nature Reserve)	South Africa	33° 55' 00" S 19° 52' 00" E	221 m
Farm Vuma, Entumeni (see also: Vuma, Farm)	South Africa	28° 50' 00" S 31° 25' 00" E	
Farm Vygeboom 326, 18.8 km N, 27.2 km W Paterson (see also: Farm 326 (Vygeboom), Paterson, 18.8 km N, 27.2 km W, Vygeboom, Farm 326)	South Africa	33° 16' 08" S 25° 40' 31" E	750 m
Farm Vygeboschlaagte 236JQ (see also: Farm 236JQ (Vygeboschlaagte), Vygeboschlaagte, Farm 236JQ)	South Africa	25° 19' 00" S 28° 01' 00" E	
Farm Wagondrift 230, 16 km SSE Lamberts Bay (see also: Farm 230 (Wagondrift), Lamberts Bay, 16 km SSE, Wagondrift, Farm 230)	South Africa	32° 13' 00" S 18° 21' 00" E	
Farm Wakefield 2369 (ptn 13) (see also: Farm 2369 (Wakefield) (ptn 13), Wakefield, Farm 2369 (ptn 13))	South Africa	29° 29' 13" S 29° 53' 53" E	
Farm Wakkersdal 436KT (see also: Farm 436KT (Wakkersdal), Wakkersdal, Farm 436KT)	South Africa	24° 37' 00" S 30° 43' 00" E	
Farm Waterberg 416	Namibia	20° 37' 30" S 17° 22' 30" E	

Farm Waterloo, 1.5 km S, 1.2 km E Grahamstown (see also: Grahamstown, 1.5 km S, 1.2 km E, Waterloo, Farm)	South Africa		33° 19' 26" S 26° 32' 18" E	610 m
Farm Waterval, Machadadorp (see also: Third Mine Tunnel, Waterval, Farm)	South Africa		25° 52' 30" S 30° 18' 10" E	
Farm Waterval, 16 mi [=26 km] SE Thabazimbi (see also: Thabazimbi, 16 mi [=26 km] SE, Waterval, Farm)	South Africa		24° 39' 17" S 27° 12' 48" E	
Farm Waterval 747, Harrismith [Warden] (see also: Farm 747 (Waterval), Waterval, Farm 747)	South Africa		27° 52' 30" S 29° 07' 30" E	
Farm Weinek, 2 mi [=3.2 km] W Rooiberg	South Africa		24° 47' 01" S 27° 40' 43" E	
Farm Welgedaan 292, 5 km NNE Christiana (see also: Christiana, 5 km NNE, Farm 292 (Welgedaan), Welgedaan, Farm 292)	South Africa		27° 42' 00" S 25° 13' 00" E	
Farm Welgevonden, 20 km on road from Louis Trichardt to Thohoyandou	South Africa	ca.	23° 04' 44" S 30° 05' 33" E	
Farm Welgevonden 449, 16 km W Steilloop(burg), Levubu Valley; 20 km on road from Louis Trichardt to Thohoyandou (see also: Farm 449 (Welgevonden), Louis Trichardt to Thohoyandou, km 20 on road, Steilloop, 16 km SW, Steilloopburg, 16 km SW, Welgevonden, Farm 449)	South Africa		23° 32' 00" S 28° 26' 00" E	
Farm Welgevonden 969 (see also: Farm 969 (Welgevonden), Welgevonden, Farm 969)	South Africa		29° 19' 55" S 30° 16' 39" E	
Farm Welverdiend 328, 89 km ENE Koes (see also: Koes, 89 km ENE)	Namibia			
Farm Weynek (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg	South Africa		24° 47' 01" S 27° 40' 43" E	
Farm Windpoort 428 (see also: Farm 428 (Windpoort), Windpoort Farm 428)	Namibia		19° 21' 29" S 15° 29' 02" E	
Farm Witklipfontein 519, Vredefort (see also: Farm 519 (Witklipfontein), Witklipfontein, Farm 519)	South Africa		26° 56' 00" S 27° 15' 00" E	
Farm Witpoort 419, 24 km E Potchefstroom (see also: Farm 419 (Witpoort), Potchefstroom, 24 km E, Witpoort, Farm 419)	South Africa		26° 39' 00" S 27° 20' 00" E	
Farm Witwatersrand 521, near Granite kop, Damaraland	Namibia		20° 52' 30" S 14° 37' 30" E	
Farm Wonderfontein, 48 km E Middelburg (see also: Middelberg, 48 km E, Middelburg, 48 km E, River cave, Wonderfontein, Farm)	South Africa		25° 50' 00" S 29° 55' 00" E	
Farm Wonderfontein 103IQ, Caltonville / Potchefstroom (see also: Abe Baily Nature Reserve, Caltonville, Farm 103IQ (Wonderfontein), Wonderfontein Cave, Wonderfontein, Farm 103IQ)	South Africa		26° 18' 00" S 27° 24' 00" E	
Farm Woodstock, 11 km SW Kuruman (see also: Kuruman, 11 km SW, Woodstock, Farm)	South Africa		27° 34' 00" S 23° 24' 00" E	
Farm Xanadu, Lusaka	Zambia		15° 25' 00" S 28° 16' 00" E	
Farm Zandspruit 449KQ (see Gatkop cave)	South Africa		24° 37' 05" S 27° 39' 08" E	
Farm Zanrivier, NW Warmbaths (see also: Zanrivier, Farm)	South Africa		24° 39' 00" S 28° 02' 00" E	
Farm Zeekoegats Drift, 2.5 km S, 12.6 km W Ladismith (see also: Ladismith, 2.5 km S, 12.6 km W, Zeekoegats Drift, Farm)	South Africa		33° 30' 39" S 21° 05' 42" E	380 m
Farm Zoetendalsvlei, Bredasdorp (see also: Zoetendalsvlei, Farm)	South Africa		34° 45' 00" S 19° 59' 00" E	
Farm Zoutpansdrift 246, Luckhoff (see also: Farm 246 (Zoutpansdrift), Zoutpansdrift, Farm 246)	South Africa		29° 43' 00" S 24° 23' 00" E	
Farm Zusterstroom 447JR (see also: Farm 447JR (Zusterstroom), Zusterstroom, Farm 447JR)	South Africa		25° 35' 00" S 29° 00' 00" E	
Farm Zuurfontein 92, Fauresmith (see also: Farm 92 (Zuurfontein), Zuurfontein, Farm 92)	South Africa		29° 55' 00" S 25° 24' 00" E	
Farm Zwarthoek 794, Mansfield (see also: Farm 794 (Zwarthoek), Zwarthoek, Farm 794)	South Africa		22° 58' 00" S 29° 52' 00" E	
Farm Zwartmodder 101, 70 km W Maltahohe (see also: Maltahohe, 70 km W)	Namibia		24° 54' 00" S 16° 17' 00" E	

Farmington river (see also: Borlor river, Diale river, Diang river, Nea river)	Liberia		6° 09' 32" N 10° 21' 13" W	
Farms Grootsuikerboschkop & Elandslaagte, Dullstroom (see also: Grootsuikerboschkop, Farm & Elandslaagte, Farm)	South Africa	ca.	25° 24' 00" S 30° 06' 00" E	
Farniso, near Kano	Nigeria		12° 06' 00" N 8° 30' 00" E	
Faro Forest and Faunal Reserve (see Faro, Réserve)	Cameroon		8° 10' 00" N 12° 35' 00" E	
Faro National Park (see Faro, Réserve)	Cameroon		8° 10' 00" N 12° 35' 00" E	
Faro, Réserve (see also: Faro Forest and Faunal Reserve, Faro National Park, Parc National du Faro, Réserve de Chasse et Forestière du Faro, Réserve du Faro)	Cameroon		8° 10' 00" N 12° 35' 00" E	
Fars province	Iran			
Fasao (see Fazao)	Togo		8° 42' 00" N 0° 47' 00" E	593 m
Fasaou (see Fazao)	Togo		8° 42' 00" N 0° 47' 00" E	593 m
Fasau (see Fazao)	Togo		8° 42' 00" N 0° 47' 00" E	593 m
Fashoda, near (see Kodok, near), Malakal district	South Sudan		9° 53' 00" N 32° 07' 00" E	271 m
Fashodo	Ethiopia			
Fassi	Comoro Islands		11° 33' 55" S 43° 16' 05" E	58 m
Fasuu (see Fazao)	Togo		8° 42' 00" N 0° 47' 00" E	593 m
Fataki	Congo (Democratic Republic of the)		2° 00' 00" N 30° 34' 00" E	1611 m
Fataki area	Congo (Democratic Republic of the)		2° 01' 00" N 30° 38' 00" E	ca. 1750 m
Fatam River, Big Abbai (see Fet'am Shet'), 100 mi S of lake Taua	Ethiopia		10° 20' 00" N 36° 52' 00" E	
Fatick (see also: Fatik)	Senegal		14° 21' 29" N 16° 35' 09" W	3 m
Fatick region	Senegal			
Fatik (see Fatick)	Senegal		14° 21' 29" N 16° 35' 09" W	3 m
Faucon Cave (see also: Grotte de Faucon)	Gabon		1° 07' 00" N 13° 20' 00" E	
Fauresmith, Boringst.	South Africa		29° 45' 00" S 25° 19' 00" E	1460 m
Faust, Farm 743 (see Farm Faust 743), Ficksburg	South Africa		28° 46' 00" S 27° 47' 00" E	
Faux Cap (see Betanty)	Madagascar		25° 34' 00" S 45° 31' 00" E	34 m
Favee (see also: Fahpli, Fape, Fapé, Fapi)	Liberia		7° 13' 50" N 9° 17' 04" W	360 m
Fayence Moutain, northern slope	Mauritius		20° 23' 21" S 57° 40' 40" E	
Fayoom (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Fayoum (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Fayoum governate (see Al Fayyum governorate)	Egypt			
Fayoum, caves (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Fayum (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Fayyoum (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Fayyum (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Fazao (see also: Fasao, Fasaou, Fasau, Fasuu, Fazaou, Fisao)	Togo		8° 42' 00" N 0° 47' 00" E	593 m
Fazaou (see Fazao)	Togo		8° 42' 00" N 0° 47' 00" E	593 m
Fazenda Bumbo	Angola	ca.	15° 12' 00" S 13° 00' 00" E	ca. 700 m
Fazenda Cacanda (see Biballa)	Angola		14° 46' 00" S 13° 21' 00" E	906 m
Fazenda Capolopopo (see Capolopopo)	Angola		15° 54' 00" S 12° 48' 00" E	530 m
Fazenda Concórdia (see Concórdia)	Angola		12° 12' 00" S 15° 02' 00" E	1810 m
Fazenda Cunga (see also: Canga, Conga, Cunga, Kunga)	Angola		9° 15' 00" S 13° 44' 00" E	46 m
Fazogli (see Fazughli)	Sudan		11° 17' 00" N 34° 46' 00" E	465 m
Fazughli, near Roseres (see also: Fazogli)	Sudan		11° 17' 00" N 34° 46' 00" E	465 m
Fazzan (see Fezzan)	Libya		16° 00' 00" N 14° 00' 00" E	
Feather River [farmstead]	South Africa		25° 00' 14" S 30° 53' 40" E	1350 m
Feija National Park Headquarters (see El Feyja National Park Headquarters)	Tunisia		36° 30' 02" N 8° 18' 41" E	
Feiran Oasis (see Wa?at Fayran)	Egypt		28° 43' 07" N 33° 37' 13" E	
Feiran Oasis, W edge	Egypt		28° 43' 00" N 33° 37' 00" E	595 m
Felele (see Filele), 3.6 mi NW Lokoja	Nigeria		7° 51' 06" N 6° 43' 27" E	
Felelen Buzi (see Filele), 3.6 mi NW Lokoja	Nigeria		7° 51' 06" N 6° 43' 27" E	
Felseneck, 40 km N	Namibia		24° 18' 00" S 16° 00' 00" E	
Felseneck/Naukluft	Namibia		24° 22' 00" S 15° 57' 00" E	
Fenda	Cameroon		2° 48' 00" N 10° 24' 00" E	
Fénérive-Est, 10 km NW (see Forêt de Tampolo)	Madagascar	ca.	17° 19' 20" S 49° 20' 02" E	
Ferguson's Gulf	Kenya		3° 31' 00" N 35° 55' 00" E	
Feriana (see also: Furriyanah)	Tunisia		34° 57' 00" N 8° 34' 00" E	733 m
Ferka	Sudan		20° 55' 59" N 30° 35' 23" E	

Ferme Wasseige (see Wasseige farm)	Congo (Democratic Republic of the)		11° 49' 45" S 27° 20' 00" E	
Fern Valley, Umtali	Zimbabwe		19° 03' 00" S 32° 39' 00" E	
Fernan Vaz (see Omboué)	Gabon		1° 34' 00" S 9° 15' 00" E	0 m
Fernandina coco palm plantation, near Boa Entrada, 12 km. north of Sao Tome City	São Tomé and Principé		0° 21' 00" N 6° 39' 30" E	
Fernando Po (see Bioko island)	Equatorial Guinea		3° 30' 00" N 8° 42' 00" E	
Fernando Poo (see Bioko island)	Equatorial Guinea		3° 29' 39" N 8° 42' 06" E	
Fernand-Vaz (see Omboué)	Gabon		1° 34' 00" S 9° 15' 00" E	0 m
Fernão Dias, on Río de Ouro	São Tomé and Principé		0° 24' 23" N 6° 40' 27" E	0 m
Ferncliff, Pietermaritzburg	South Africa		29° 36' 00" S 30° 23' 00" E	
Ferncliff [farmstead]	South Africa		28° 32' 00" S 31° 13' 00" E	
Ferncliff Nature Reserve	South Africa		29° 32' 00" S 30° 20' 00" E	1000 m
Ferncliffe Nature Reserve	South Africa		29° 33' 00" S 30° 19' 12" E	
Ferndale, Farm (see Farm Ferndale), 8 km SE Groot Marico	South Africa		25° 38' 00" S 26° 24' 00" E	
Ferndale, Farm (see Farm Ferndale)	South Africa		32° 04' 00" S 24° 21' 00" E	
Feruka, Mutare	Zimbabwe		18° 52' 48" S 32° 37' 48" E	
Fès - Boulemane (former) region	Morocco			
Fès prefecture	Morocco			
Fès, 6 km S (see Aïn Chkef)	Morocco		33° 57' 48" N 5° 01' 11" W	508 m
Fès-Meknès region	Morocco			
Fet'am Shet', 100 mi S of lake Taua (see also: Fatam River, Big Abbai, Fettam River, Taua, 100 mi [=160 km] S Lake)	Ethiopia		10° 20' 00" N 36° 52' 00" E	
Fété Olé	Senegal		16° 13' 56" N 15° 07' 18" W	
Fétékro (see also: Fetekro, Féttékro)	Côte d'Ivoire		7° 48' 35" N 4° 41' 22" W	157 m
Fetekro (see Fétékro)	Côte d'Ivoire		7° 49' 00" N 4° 41' 00" W	
Fettam River (see Fet'am Shet'), 100 mi S of lake Taua	Ethiopia		10° 20' 00" N 36° 52' 00" E	
Féttékro (see Fétékro)	Côte d'Ivoire		7° 48' 35" N 4° 41' 22" W	157 m
Fezile district (see also: Northern Free State district)	South Africa			
Fezzan (see also: Fazzan, Phazania, Wilayat Fazzan)	Libya		16° 00' 00" N 14° 00' 00" E	
Fianarantsoa (see also: Fianarantsoa: Miharisoa (EPP))	Madagascar		21° 26' 00" S 47° 05' 00" E	1156 m
Fianarantsoa province (see also: Betsileo province |PC:FI|)	Madagascar			
Fianarantsoa, 18 km SW	Madagascar		21° 27' 00" S 47° 05' 00" E	1128 m
Fianarantsoa, near	Madagascar	ca.	21° 26' 00" S 47° 05' 00" E	
Fianarantsoa: Miharisoa (EPP) (see Fianarantsoa)	Madagascar		21° 26' 00" S 47° 05' 00" E	1156 m
Ficksburg, 37 Visser Str.	South Africa		28° 53' 00" S 27° 53' 00" E	1510 m
Ficus cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Fiddler's Green	South Africa		33° 18' 00" S 26° 31' 00" E	530 m
Fièvre Point (see Pointe à la Fièvre)	Madagascar		13° 25' 00" S 48° 18' 00" E	
Fifth cataract of the Nile (see also: 5th cataract of the Nile, Ash Shalal Al Khamis, Ash Shallal al Khamis, Cataract of the Wild Ass, El Homar Cataract , ?imâr, Shallâl al , Homar, Shellal el , Khamis, Ash Shalal Al , Khamis, Ash Shallal al, Shallâl al ?imâr, Shellal el Homar, Wild Ass, Cataract of the)	Sudan		18° 23' 00" N 33° 47' 00" E	
Fig forest, Left-hand bank	South Africa			
Fig Tree Arch	Tanzania		3° 14' 39" S 36° 49' 42" E	
Fig Tree Camp, Levuvhu River (see also: Fig Tree Forest, Figtree camp, Figtree Forest, Figtree Forest, 4.8 km downstream)	South Africa		22° 25' 50" S 31° 11' 50" E	
Fig Tree Forest (see Fig Tree Camp), Levuvhu River	South Africa		22° 25' 50" S 31° 11' 50" E	
Figaro Mine, 11 km ENE Barberton (see also: Barberton, 11 km ENE)	South Africa		25° 27' 00" S 31° 28' 00" E	
Figordat (see Akurdet)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Figtree camp (see Fig Tree Camp), on Levuvhu River	South Africa		22° 25' 50" S 31° 11' 50" E	
Figtree Forest (see Fig Tree Camp), 4.8 km downstram bridge, left hand bank	South Africa		22° 25' 50" S 31° 11' 50" E	
Figtree Forest, 4.8 km downstream (see Fig Tree Camp)	South Africa		22° 25' 50" S 31° 11' 50" E	
Figuig (see also: Figuiq)	Morocco		32° 07' 00" N 1° 13' 37" W	878 m
Figuig prefecture	Morocco			
Figuiq (see Figuig)	Morocco		32° 07' 00" N 1° 13' 37" W	878 m
Fiherenana River, lower valley, near Tulear	Madagascar		23° 18' 59" S 43° 37' 06" E	
Fika	Nigeria		11° 17' 00" N 11° 18' 29" E	503 m
Filabusi, 22 km W (see Ingwe Mine)	Zimbabwe		20° 37' 00" S 29° 22' 00" E	

Filele, 3.6 mi NW Lokoja (see also: Felele, Felelen Buzi, Lokoja, 3.6 mi [=5.8 km] NW)	Nigeria		7° 51' 06" N 6° 43' 27" E	
Filwoha Awash	Ethiopia		9° 00' 00" N 39° 58' 00" E	
Finca Bartolomé (see Alosa)	Equatorial Guinea	ca.	1° 51' 00" N 10° 14' 00" E	400 m
Finca de Mayo (see Mallo and Mora, farm)	Equatorial Guinea		3° 45' 00" N 8° 50' 00" E	
Finca de Mora (see Mallo and Mora, farm)	Equatorial Guinea		3° 45' 00" N 8° 50' 00" E	
Finca Los Cocos, near Bata	Equatorial Guinea	ca.	1° 50' 00" N 9° 45' 00" E	
Finca Mallo (see Mallo and Mora, farm)	Equatorial Guinea		3° 45' 00" N 8° 50' 00" E	
Finca Mayo (see Mallo and Mora, farm), Borapuope River; on Malabo to Riaba road	Equatorial Guinea		3° 45' 00" N 8° 50' 00" E	
Finca Mora (see Mallo and Mora, farm)	Equatorial Guinea		3° 45' 00" N 8° 50' 00" E	
Finca Niefang (see Sevilla de Niefang)	Equatorial Guinea		1° 50' 36" N 10° 13' 59" E	
Fink, mount (see also: Mont Fink, Mount Fink)	Somalia			
Finkenstein, Farm (see Farm Finkenstein), 12 mi [=19 km] E Windhoek	Namibia		22° 33' 06" S 17° 14' 47" E	
Fintonia, 10.1 km NE	Sierra Leone		9° 45' 00" N 12° 10' 00" W	
Fintonia, 5.7 km NE (see Outamba section)	Sierra Leone		9° 42' 00" N 12° 11' 00" W	
Fintonia, 5.8 km E (see HQ, W bank Kaba river)	Sierra Leone		9° 40' 00" N 12° 10' 00" W	
Finza (see Founzan)	Burkina Faso		11° 27' 00" N 3° 14' 00" W	270 m
Fir Glen, Farm (see Farm Fir Glen), Grahamstown	South Africa		33° 19' 20" S 26° 23' 21" E	900 m
Firestone (see also: Firestown, Jida)	Liberia		5° 56' 00" N 9° 38' 00" W	170 m
Firestone Plantation, near Harbel (see also: Firestone Rubber Plantation)	Liberia		6° 24' 00" N 10° 22' 00" W	
Firestone Rubber Plantation (see Firestone Plantation), near Harbel	Liberia		6° 24' 00" N 10° 22' 00" W	
Firestown (see Firestone)	Liberia		5° 56' 00" N 9° 38' 00" W	170 m
Fisao (see Fazao)	Togo		8° 42' 00" N 0° 47' 00" E	593 m
Fish River Canyon	Namibia		27° 30' 00" S 17° 40' 00" E	600 m
Fish Town (see Basupú)	Equatorial Guinea		3° 44' 00" N 8° 49' 00" E	154 m
Fishtown (see Basupú)	Equatorial Guinea		3° 44' 00" N 8° 49' 00" E	154 m
Flacq district	Mauritius			
Flampleu	Côte d'Ivoire		7° 16' 33" N 8° 02' 43" W	373 m
Flandria (see Boteka)	Congo (Democratic Republic of the)		0° 19' 00" S 19° 07' 00" E	337 m
Fleet Ditch Tunnel	South Africa		32° 53' 00" S 27° 23' 00" E	400 m
Fleur de Lys, Farm 195KU (see Farm Fleur de Lys 195KU)	South Africa		24° 32' 00" S 31° 01' 00" E	
Fleuve Itimaire, Tributary of Congo River	Fleuve Itimaire			
Fleuve Sénégal (see Senegal river)	Senegal			
Florida, Roodepoort	South Africa		26° 10' 00" S 27° 55' 00" E	
Florisbad, Farm 686 (see Farm Florisbad 686), Brandfort	South Africa		28° 46' 00" S 26° 05' 00" E	
Fô	Burkina Faso		11° 53' 00" N 4° 31' 00" W	453 m
Fockshof (see Nuitsas (farmstead))	Namibia		19° 17' 00" S 18° 35' 00" E	1500 m
FOFIFA Station, Kianjavato	Madagascar		21° 22' 00" S 47° 51' 36" E	150 m
Fogo	Cape Verde		14° 55' 00" N 24° 25' 00" W	
Fogo island	Cape Verde			
Foko Confluence	Guinea		8° 29' 49" N 8° 54' 48" W	737 m
Fola Rapids (see Fula Rapids), 1 mi N Nimule	South Sudan		3° 36' 38" N 32° 01' 17" E	
Folderia, Ermerlo	South Africa		26° 31' 00" S 29° 59' 00" E	
Foley's Camp	Tanzania		3° 47' 52" S 36° 04' 08" E	999 m
Folgares (see Capelongo (2))	Angola		14° 55' 00" S 15° 05' 00" E	1197 m
Folon region	Côte d'Ivoire			
Fomboni, primary school (see also: Fumboni)	Comoro Islands		12° 16' 48" S 43° 44' 33" E	5 m
Fomboni, 1 km N (see also: Fumboni, 1 km N)	Comoro Islands	ca.	12° 16' 48" S 43° 44' 33" E	
Fomento (see Caotina)	Morocco		35° 11' 44" N 5° 18' 32" W	508 m
Fomulac-Katana	Congo (Democratic Republic of the)		2° 13' 00" S 28° 50' 00" E	
Fondo Island (see Fundo Island)	Tanzania		5° 03' 00" S 39° 39' 00" E	
Fonzan (see Founzan)	Burkina Faso		11° 27' 00" N 3° 14' 00" W	270 m
Forbes Gold Mine, Malalotja (see also: Forbes Reef Gold Mine, Forbes Reef mine)	Swaziland		26° 10' 00" S 31° 06' 00" E	1396 m
Forbes Ranch (see Nsoko)	Swaziland		27° 02' 00" S 31° 57' 00" E	182 m
Forbes Reef Gold Mine (see Forbes Gold Mine), Malalotja	Swaziland		26° 10' 00" S 31° 06' 00" E	1396 m
Forbes Reef mine (see Forbes Gold Mine), Malalotja	Swaziland		26° 10' 00" S 31° 06' 00" E	1396 m
Forécariah prefecture	Guinea			
Forest Hills, Epping Crescent	South Africa		29° 45' 00" S 30° 49' 00" E	
Forest Inn	South Africa			
Forestry Training School	Sierra Leone	ca.	7° 53' 56" N 11° 13' 06" W	
Forêt Classée de Kassas (see Forêt de Kassas)	Senegal		14° 14' 00" N 15° 35' 00" W	
Forêt Classée et Réserve totale de la faune de Bouna (see Comoé National Park)	Côte d'Ivoire		8° 49' 21" N 3° 35' 26" W	

Forêt d'Ampidirabe, 16.3 km N Antsalova (see also: Ampidirabe forest, Antsalova, 16.3 km N)	Madagascar	ca.	18° 31' 45" S 44° 36' 35" E	
Forêt d'Ampirojoa (see also: Ampirojoa forest)	Madagascar		16° 18' 54" S 46° 48' 36" E	100 m
Forêt d'Ampitiliantsambo	Madagascar		12° 20' 14" S 49° 23' 04" E	210 m
Forêt d'Analabe (see Analabe, forêt de)	Madagascar			
Forêt d'Analalava (see Analalava Forest), 6 km N Manantenina	Madagascar		24° 12' 00" S 47° 16' 00" E	ca. 20 m
Forêt d'Analamerana (see Analamerana Special Reserve)	Madagascar		12° 44' 00" S 49° 32' 00" E	
Forêt de Beanka, along Kimanambolo River (see also: Beanka forest)	Madagascar	ca.	17° 26' 27" S 44° 12' 59" E	
Forêt de Beronto (see also: Ankiliabo, 11 km SSE, Beronto forest)	Madagascar		21° 46' 48" S 43° 58' 42" E	
Forêt de Binara (see Binara forest), 7.5 km SW Daraina	Madagascar		13° 15' 18" S 49° 36' 59" E	
Forêt de Djugu (see Djugu forest)	Congo (Democratic Republic of the)		1° 55' 00" N 30° 30' 00" E	1530 m
Forêt de Kassas (see also: Forêt Classée de Kassas, Kassas Forest)	Senegal		14° 14' 00" N 15° 35' 00" W	
Forêt de Kirindy (see Tahiry Manokan' i Kirindy)	Madagascar		20° 52' 04" S 43° 54' 27" E	5 m
Forêt de Mamakibetro, 18.3 km NNE Antsalova (see also: Antsalova, 18.3 km NNE, Mamakibetro forest)	Madagascar	ca.	18° 27' 13" S 44° 42' 57" E	
Forêt de Manambolo (see also: Manambolo Forest)	Madagascar	ca.	22° 08' 58" S 47° 01' 25" E	
Forêt de Marovony (see Marovony Forest)	Madagascar		24° 04' 00" S 47° 20' 00" E	30 m
Forêt de Mehajebi, 21.8 km ESE Beravina (see also: Beravina, 21.8 km ESE, Mehajebi forest)	Madagascar	ca.	18° 15' 27" S 45° 25' 42" E	
Foret de Sahafina, Brickaville, 9.5 km W	Madagascar		18° 48' 27" S 48° 58' 55" E	105 m
Forêt de Sahafina, Brickaville, 9.5 km W	Madagascar		18° 48' 37" S 48° 58' 48" E	50 m
Forêt de Tampolo, 10 km NW Fénérive-Est (see also: Fénérive-Est, 10 km NW, Tampolo forest)	Madagascar	ca.	17° 19' 20" S 49° 20' 02" E	
Forêt de Zombitsy (see Zombitsy forest)	Madagascar		22° 47' 00" S 44° 42' 00" E	
Forêt des Mikea (1) (see also: Andalabezo cave, Andalambezo cave, Grotte d'Andalambezo, Mikea Forest (1))	Madagascar		22° 30' 00" S 43° 23' 00" E	15 m
Forêt des Mikea (2), 9.5 km W Ankiloaka (see also: Ankiloaka, 9.5 km W, Tsifota, 7.5 km NE)	Madagascar		22° 46' 42" S 43° 31' 24" E	80 m
Forêt des Mikea (3), 8.4 km SSE Befandefa (see also: Befandefa, 8.4 km SSE, Mikea forest (3))	Madagascar	ca.	22° 13' 56" S 43° 21' 50" E	
Forêt d'Ikongo (see Ikongo Forest)	Madagascar		21° 53' 11" S 47° 20' 49" E	
Forêt d'Irangi (see Irangi Forest)	Congo (Democratic Republic of the)		1° 54' 00" S 28° 27' 00" E	
Forêt Naturelle de Nyungwe (see Nyungwe Forest Reserve)	Rwanda		2° 31' 13" S 29° 18' 15" E	2500 m
Formosa Island (see also: Ilha de Formosa)	Guinea-Bissau		11° 29' 00" N 15° 58' 00" W	
Foro Foro	Côte d'Ivoire		7° 59' 18" N 5° 03' 54" W	275 m
Fort Archambault (see Sarh)	Chad		9° 09' 00" N 18° 23' 00" E	347 m
Fort Archambault, 30 mi [=48 km] N (see Fort Archambault, 30 mi [=48 km] N) (see also: Fort Archambault, 30 mi [=48 km] N)	Chad	ca.	9° 10' 00" N 18° 23' 00" E	
Fort Beaufort	South Africa		32° 47' 00" S 26° 38' 00" E	500 m
Fort Beaufort and Grahamstown, halfway between	South Africa			
Fort Beaufort, 14 km W	South Africa		32° 47' 00" S 26° 38' 00" E	
Fort Beaufort, 23.7 km S, 9.7 km E (see Sam Knott Nature Reserve)	South Africa		32° 56' 29" S 26° 44' 23" E	240 m
Fort Beni (see Vieux Beni)	Congo (Democratic Republic of the)		0° 26' 00" N 29° 33' 00" E	585 m
Fort Bladenburg (see Princes Town)	Ghana		4° 47' 36" N 2° 08' 04" W	0 m
Fort Brown	South Africa		33° 07' 00" S 26° 42' 00" E	400 m
Fort Brown Police Station, 19.9 km N, 8.6 km E Grahamstown (see also: Grahamstown, 19.9 km N, 8.6 km E)	South Africa		33° 07' 49" S 26° 37' 05" E	270 m
Fort Carhot (see Ikongo)	Madagascar		21° 53' 00" S 47° 26' 00" E	354 m
Fort Carhot (see Ikongo)	Madagascar		21° 53' 00" S 47° 26' 00" E	354 m
Fort Carnot (see Ikongo)	Madagascar		21° 53' 00" S 47° 26' 00" E	354 m
Fort Charlet (see Djanet)	Algeria		24° 34' 00" N 0° 09' 23" E	1116 m
Fort Cottage	Zimbabwe	ca.	18° 15' 25" S 32° 44' 37" E	
Fort Dauphin	Madagascar		25° 02' 00" S 47° 00' 00" E	
Fort Fureau (see Kousséri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m

Fort Gale Suburb, 0.5 km S, 2.5 km W Umtata (see also: Umtata, 0.5 km S, 2.5 km W)	South Africa		31° 35' 34" S 28° 45' 34" E	770 m
Fort George (see Katwe), lake Edward	Uganda		0° 08' 30" S 29° 49' 49" E	770 m
Fort Hall (see Murang'a)	Kenya		0° 43' 00" S 37° 09' 00" E	1255 m
Fort Hartley, 10 mi [=16 km] NE (see Quthing, 10 mi [=16 km] NE)	Lesotho		30° 20' 00" S 27° 45' 00" E	
Fort Hill (see Chitipa)	Malawi		9° 43' 00" S 33° 16' 00" E	1242 m
Fort Hoek Trading store, Herschel	South Africa		30° 37' 00" S 27° 10' 00" E	1584 m
Fort Jameson (see Chipata)	Zambia		13° 38' 00" S 32° 39' 00" E	1212 m
Fort Jameson Boma	Zambia		13° 40' 00" S 32° 40' 00" E	3800 ft
Fort Jameson district (see Chipata district)	Zambia		13° 30' 00" S 32° 10' 00" E	
Fort Johns(ton), 5 mi [=8 km] below (see Ufudu village)	Malawi	ca.	14° 28' 00" S 35° 16' 00" E	
Fort Johnston (see Mangochi), District HQ	Malawi		14° 28' 00" S 35° 16' 00" E	469 m
Fort Lamy (see N'Djamena)	Chad		12° 06' 47" N 15° 02' 57" E	
Fort Laperine (see Tamanrasset)	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Fort Laperrine (see Tamanrasset)	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Fort Portal, Mpanga forest (see also: Kabarole)	Uganda		0° 41' 38" S 30° 15' 59" E	1524 m
Fort Pousset (see Owando)	Congo		0° 29' 13" S 15° 54' 29" E	325 m
Fort Repoux (see Akjoujt)	Mauritania		19° 45' 00" N 14° 23' 00" W	141 m
Fort Rietfontein, 25 mi [=40 km] SSE (see Camp 7)	Botswana		22° 00' 00" S 21° 15' 00" E	
Fort Rixon, Makovani Estate	Zimbabwe		20° 01' 00" S 29° 16' 00" E	1337 m
Fort Roseberry - Lubumbashi, between (see Mansa - Lubumbashi, between)	Zambia		11° 11' 00" S 28° 53' 00" E	
Fort Rousset (see Owando)	Congo		0° 29' 13" S 15° 54' 29" E	325 m
Fort St. George (see Elmina)	Ghana		5° 05' 00" N 1° 21' 00" W	0 m
Fort Victoria, 25 km SE (see Great Zimbabwe [ruins]), Fort Victoria, 25 km SE	Zimbabwe		20° 17' 00" S 30° 56' 00" E	
Fort Victoria, 32.2 km SE (see Retreat Farm)	Zimbabwe		20° 14' 00" S 31° 02' 00" E	
Fort William (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Fort Yellond Farm (see Fort Yolland mission)	South Africa		28° 50' 59" S 31° 13' 19" E	742 m
Fort Yolland Farm (see Fort Yolland mission), W of Eshowe	South Africa		28° 50' 59" S 31° 13' 19" E	739 m
Fort Yolland mission, W of Eshowe (see also: Fort Yellond Farm, Fort Yolland Farm)	South Africa		28° 50' 59" S 31° 13' 19" E	742 m
Fort-Carnot (see Ikongo)	Madagascar		21° 53' 00" S 47° 26' 00" E	354 m
Fort-Dauphin (see Tolanaro)	Madagascar		25° 02' 00" S 47° 00' 00" E	20 m
Fort-Dauphin, 13 km NE (see Tolanaro, 13 km NE)	Madagascar		25° 01' 00" S 47° 00' 00" E	
Fort-Dauphin, 16 km NE (see Tolanaro, 13 km NE)	Madagascar		25° 01' 00" S 47° 00' 00" E	
Fort-Dauphin, 32 km NE (see Tolanaro, 32 km NE)	Madagascar		25° 02' 00" S 47° 00' 00" E	
Fort-Dauphin, 72 km N (see Bemangidy)	Madagascar		24° 24' 00" S 47° 00' 00" E	
Fort-Dauphin, 8 km NE (see Tanosy or Monotane forestry station)	Madagascar		24° 58' 40" S 47° 00' 00" E	
Fort-Dauphin, near	Madagascar	ca.	25° 02' 00" S 47° 00' 00" E	
Fort-Foureau (see Kousséri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
Fort-Lamy (see N'Djamena)	Chad		12° 06' 47" N 15° 02' 57" E	298 m
Forty Springs, Arba Minch, near	Ethiopia		6° 02' 00" N 37° 36' 00" E	
Foulassi, 6 km NNW Sangmélima (see also: Sangmélima, 6 km NNW)	Cameroon		2° 59' 00" N 11° 58' 00" E	565 m
Foulepoint and lake Alaoutre, between (see Foulpointe and Lake Alotra, between)	Madagascar	ca.	17° 35' 00" S 49° 00' 00" E	
Foulpointe (see Mahavelona)	Madagascar		17° 41' 00" S 49° 31' 00" E	0 m
Foulpointe and Lake Alotra, between (see also: Foulepoint and lake Alaoutre, between)	Madagascar	ca.	17° 35' 00" S 49° 00' 00" E	
Foum Anagame (see also: Anagam)	Morocco		30° 07' 48" N 5° 37' 48" W	
Foum Tatahouine (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Foum Tatahouine, 2 km S, on GP 19, 1 km E highway, French fortification	Tunisia		32° 54' 55" N 10° 27' 00" E	
Foum Tataouine (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Foum Zguid	Morocco		30° 05' 24" N 6° 52' 30" W	760 m
Foum Zguid, 4 km S	Morocco		30° 04' 01" N 6° 52' 59" W	
Fountains [railroad siding] (see Founteine [railroad siding]), Pretoria	South Africa		25° 47' 00" S 28° 11' 00" E	
Fountains Grove (see Founteine [railroad siding]), Pretoria	South Africa		25° 47' 00" S 28° 11' 00" E	
Fountains Valley, Pretoria	South Africa		25° 57' 00" S 28° 12' 00" E	
Fountein Grove (see Founteine [railroad siding])	South Africa		25° 47' 00" S 28° 11' 00" E	
Founteine [railroad siding], Pretoria (see also: Fountains [railroad siding], Fountains Grove, Fountein Grove)	South Africa		25° 47' 00" S 28° 11' 00" E	
Founzan (see also: Finza, Fonzan, Fouzan)	Burkina Faso		11° 27' 00" N 3° 14' 00" W	270 m
Four Miles (see Four Miles) (see also: Four Miles)	Sierra Leone		8° 20' 19" N 13° 00' 17" W	48 m
Four Rivers Camp	Botswana		19° 03' 00" S 23° 10' 00" E	
Fouriesburg, Letsoana Stad [347]	South Africa		28° 37' 00" S 28° 13' 00" E	1801 m

Fourwinds, Farm (see Farm Fourwinds)	South Africa		25° 49' 48" S 27° 40' 12" E	
Fouta Djallon, mount (see Foutadjalon, mount)	Guinea		11° 30' 00" N 12° 30' 00" W	950 m
Fouta Djallon, mount (see Foutadjalon, mount)	Guinea		11° 30' 00" N 12° 30' 00" W	950 m
Foutadjalon, mount (see also: Fouta Djallon, mount)	Guinea		11° 30' 00" N 12° 30' 00" W	950 m
Foutadjalon, mount (see also: Fouta Djallon, mount)	Guinea		11° 30' 00" N 12° 30' 00" W	950 m
Fouzan (see Founzan)	Burkina Faso		11° 27' 00" N 3° 14' 00" W	270 m
Foyos	Spain		39° 32' 00" N 0° 21' 00" W	11 m
Fra Fra Country	Ghana	ca.	10° 30' 00" N 0° 30' 00" W	
Frances Baard district	South Africa			
Franceville	Gabon		1° 38' 00" S 13° 35' 00" E	333 m
Franceville, mission	Gabon		1° 36' 29" S 13° 36' 55" E	
Franceville, near	Gabon	ca.	1° 38' 00" S 13° 35' 00" E	
Francis Town, 20 km N	Zimbabwe		21° 07' 00" S 27° 37' 00" E	
Francistown	Botswana		21° 10' 00" S 27° 31' 00" E	1001 m
Francistown city council	Botswana			
François-Joseph, chutes (see Franz-Josef falls)	Congo (Democratic Republic of the)	ca.	7° 35' 30" S 17° 13' 55" E	
Frandria (see Boteka)	Congo (Democratic Republic of the)		0° 19' 00" S 19° 07' 00" E	337 m
Franson Christian High	Swaziland		27° 12' 00" S 31° 24' 00" E	
Franz-Josef falls (see also: François-Joseph, chutes)	Congo (Democratic Republic of the)	ca.	7° 35' 30" S 17° 13' 55" E	
Frederikstad, 24 km N Potchefstroom (see also: Potchefstroom, 24 km N)	South Africa		26° 30' 00" S 27° 09' 00" E	
Free State province	South Africa			
Freetown, Hillstation	Sierra Leone		8° 29' 24" N 13° 14' 03" W	76 m
Freetown, 10 km from (see Lumley Village)	Sierra Leone		8° 27' 14" N 13° 16' 57" W	0 m
Freetown, 129 km from (see Lunsar)	Sierra Leone		8° 41' 00" N 12° 32' 00" W	52 m
Freetown, 14 km from (see Aberdeen Village)	Sierra Leone		8° 29' 33" N 13° 17' 04" W	0 m
Freetown, 145 mi [=233 km] NE (see Musaia)	Sierra Leone		9° 45' 00" N 11° 34' 00" W	423 m
Freetown, 24 km (see Wellington Village)	Sierra Leone		8° 26' 55" N 13° 10' 10" W	41 m
Freetown, 6 km from (see Cole Farm)	Sierra Leone		8° 30' 00" N 13° 17' 00" E	
French Somaliland (see Djibouti)	French Somaliland			
Frere Town	Kenya		4° 01' 00" S 39° 42' 00" E	1 m
Freredell, Farm (see Farm Freredell)	South Africa		31° 19' 36" S 26° 40' 58" E	1870 m
Fressoudou	Guinea	ca.	9° 08' 00" N 8° 54' 00" W	
Fria prefecture	Guinea			
Friedrichswald	Namibia		22° 18' 36" S 16° 16' 12" E	
Frmane cave, Jebel Bouhalla	Morocco	ca.	35° 05' 00" N 5° 08' 00" W	
Frog Mine, Mupfure [=Umfuli] River	Zimbabwe		17° 55' 00" S 29° 50' 00" E	
Frogmore, Mashona	Zimbabwe		17° 06' 00" S 30° 59' 00" E	
Fromager (former) region	Côte d'Ivoire			
Frontier governorates	Egypt			
Fuchich (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Fufuni	Tanzania		5° 26' 00" S 39° 41' 00" E	0 m
Fuko	Congo (Democratic Republic of the)		1° 15' 00" S 29° 28' 00" E	1300 m
Fuko (river)	Congo (Democratic Republic of the)		1° 15' 00" S 29° 28' 00" E	1300 m
Fula Rapids, 1 mi N Nimule (see also: Fola Rapids, Nimule, 1 mi [=1.6 km] N)	South Sudan		3° 36' 38" N 32° 01' 17" E	
Fum Tatawin (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Fumboni (see Fomboni), primary school	Comoro Islands		12° 16' 48" S 43° 44' 33" E	5 m
Fumboni, 1 km N (see Fomboni, 1 km N)	Comoro Islands	ca.	12° 16' 48" S 43° 44' 33" E	
Fumm Tattauin (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Funchal	Madeira (Portugal)		32° 39' 23" N 16° 54' 28" W	
Funda Biabo (see also: Funda Biako)	Congo (Democratic Republic of the)		9° 50' 00" S 25° 33' 00" E	693 m
Funda Biako (see Funda Biabo)	Congo (Democratic Republic of the)		9° 50' 00" S 25° 33' 00" E	693 m
Fundi	Congo (Democratic Republic of the)		0° 52' 00" N 27° 34' 00" E	
Fundi	Congo (Democratic Republic of the)		2° 06' 00" N 30° 46' 00" E	1942 m
Fundj (see Al Fonj)	Sudan		12° 41' 38" N 34° 08' 57" E	
Fundo de Igresa valley (see also: Manuel Jorge River, cave along)	São Tomé and Principé		0° 16' 50" N 6° 38' 02" E	
Fundo Island (see also: Fondo Island)	Tanzania		5° 03' 00" S 39° 39' 00" E	
Fung (see Al Fonj)	Sudan		12° 41' 38" N 34° 08' 57" E	
Furancungo, 30 mi [=48 km] NNW	Mozambique	ca.	14° 53' 00" S 33° 36' 00" E	
Furnas, Lagoa das (see also: Furnas, lake, Lake Furnas)	Azores [Portugal]		37° 45' 00" N 25° 20' 00" W	303 m
Furnas, lake (see Furnas, Lagoa das)	Azores [Portugal]		37° 45' 00" N 25° 20' 00" W	303 m

Furriyanah (see Feriana)	Tunisia		34° 57' 00" N 8° 34' 00" E	733 m
Futuk, 12 km from Yankari Game Reserve (see also: Yankari Game Reserve, 12 km from)	Nigeria	ca.	9° 45' 00" N 10° 30' 00" E	
Futululu Research Station (see Mfutululu [Forest Station]), St. Lucia	South Africa		28° 25' 00" S 32° 16' 00" E	45 m
Fwa meer (see Fwa, lake)	Congo (Democratic Republic of the)		5° 43' 00" S 23° 25' 00" E	
Fwa, lake (see also: Fwa meer, Lac Fwa, Lake Fwa)	Congo (Democratic Republic of the)		5° 43' 00" S 23° 25' 00" E	
Fynnlands	South Africa		29° 53' 46" S 31° 01' 36" E	
Gaamsberg (see Gams se Berg)	South Africa		29° 14' 40" S 18° 58' 23" E	
Gabela	Angola		10° 52' 48" S 14° 22' 48" E	
Gabela, 30 km S	Angola		11° 07' 16" S 14° 22' 00" E	
Gaberones Village, 5 mi [=8 km] W (see Gaborone, 5 mi [=8 km] W)	Botswana	ca.	24° 39' 00" S 25° 54' 00" E	
Gaberones, 5 mi [=8 km] W (see Gaborone, 5 mi [=8 km] W)	Botswana	ca.	24° 39' 00" S 25° 54' 00" E	
Gabès, Qabis province (see also: Abes, Kabis, Qabes, Qabis, Tacapae, Tacape)	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Gabès governorate	Tunisia			
Gabès, 100 km S	Tunisia		33° 00' 00" N 10° 00' 00" E	
Gabès, 45 km S (see Toujane, 3 km N(W))	Tunisia		33° 29' 37" N 10° 08' 00" E	
Gabi (see Kpandu)	Ghana		7° 00' 00" N 0° 18' 00" E	151 m
Gabiro	Rwanda		1° 31' 00" S 30° 28' 00" E	1400 m
Gabon	Gabon			
Gaborone city council	Botswana			
Gaborone, 5 mi [=8 km] W (see also: Gaberones Village, 5 mi [=8 km] W, Gaberones, 5 mi [=8 km] W)	Botswana	ca.	24° 39' 00" S 25° 54' 00" E	
Gabrun, Lake (see also: Kabr Aun, lake, Lake Gabrun, Lake Kabr aun)	Libya		26° 48' 11" N 13° 32' 07" E	
Gabú region	Guinea-Bissau			
Gafsa (see also: Capsa, Gafso, Justiniania, Kafsa, Kaphza, Qafsah)	Tunisia		34° 25' 30" N 8° 47' 03" E	297 m
Gafsa governorate (see also: Qafsah governorate |PC:GF|)	Tunisia			
Gafsa, 20 km S (see M'Dilla abandoned Phosphate mines)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
Gafsa, 30 km SE (see Jabal al 'Unq, mine)	Tunisia		34° 14' 02" N 9° 00' 54" E	
Gafsa, cave near (see also: Kaphza, cave near)	Tunisia		34° 26' 00" N 8° 47' 00" E	
Gafso (see Gafsa)	Tunisia		34° 25' 30" N 8° 47' 03" E	297 m
Gafumba	Rwanda		2° 27' 44" S 29° 49' 45" E	
Gafumba Mugusa	Rwanda		2° 27' 44" S 29° 49' 45" E	
Gafunzo	Rwanda		2° 23' 34" S 29° 02' 40" E	1457 m
Gafunzo Kigaga	Rwanda		2° 23' 34" S 29° 02' 40" E	1457 m
Gahama (see also: Kahama)	Congo (Democratic Republic of the)		1° 13' 00" S 29° 28' 00" E	1250 m
Gahinga (vulcano)	Rwanda		1° 24' 00" S 29° 38' 00" E	
Gakoma (mission)	Rwanda		2° 28' 47" S 29° 55' 16" E	
Gala (see Gumba)	Congo (Democratic Republic of the)		2° 57' 00" N 21° 26' 00" E	412 m
Galana Game Scheme (see Galana Ranch)	Kenya		3° 20' 00" S 39° 20' 00" E	
Galana Ranch (see also: Galana Game Scheme)	Kenya		3° 20' 00" S 39° 20' 00" E	
Galana River	Kenya	ca.	3° 20' 00" S 39° 20' 00" E	
Galana river (see Gelana Shet')	Ethiopia		6° 07' 00" N 37° 55' 00" E	
Galanaboi (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Galanaboy (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Galanga	Angola		12° 04' 00" S 15° 09' 00" E	1588 m
GalgaPC:GA|)	Somalia			
Galgaduud region (see also: Galgadoud region |PC:GA|)	Somalia			
Galgala (see Galgalo Oase)	Somalia		10° 58' 00" N 49° 05' 00" E	453 m
Galgalla (see Galgalo Oase)	Somalia		10° 58' 00" N 49° 05' 00" E	453 m
Galgalo Oase (see also: Galgala, Galgalla)	Somalia		10° 58' 00" N 49° 05' 00" E	453 m
Galim	Cameroon		7° 06' 00" N 12° 29' 00" E	1120 m
Galita Island (see La Galite, island), Galita Archipelago	Tunisia		37° 31' 34" N 8° 55' 44" E	
Gallabat (see Metema)	Ethiopia		12° 58' 00" N 36° 12' 00" E	684 m
Gallabat (see Qallabat)	Sudan		12° 58' 00" N 36° 09' 00" E	760 m
Gallabat, 30 mi [=48 km] SE (see Wahina)	Ethiopia		12° 30' 00" N 36° 30' 00" E	1006 m
Gallop (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Galma Galla [waterholes]	Kenya		1° 12' 00" S 40° 47' 00" E	270 ft

Galma Galla, 1 mi [=1.6 km] W	Kenya	ca.	1° 12' 00" S 40° 47' 00" E	ca. 270 ft
Galma Galla, 1.5 mi [=2.4 km] W	Kenya	ca.	1° 12' 00" S 40° 47' 00" E	ca. 270 ft
Galole Road, 8.5 km N Garsen (see also: Garsen, 8.5 km N)	Kenya		1° 30' 13" S 40° 01' 44" E	77 m
Galpa river	Galpa river			
Galungo Alto (see Golungo Alto)	Angola		9° 08' 00" S 14° 46' 00" E	577 m
Gam	Namibia		20° 14' 00" S 20° 45' 00" E	1069 m
Gam Waterhole	Namibia		20° 25' 01" S 20° 58' 01" E	
Gamafefe (see also: Mahune site)	South Africa		24° 37' 05" S 27° 39' 08" E	
Gamane, 25 km NE (see Bertoua, 25 km NE)	Cameroon		4° 44' 35" N 13° 50' 34" E	
Gamane, 30 km W (see Bertoua, 30 km W)	Cameroon	ca.	4° 35' 00" N 13° 24' 47" E	
Gamangui	Congo (Democratic Republic of the)		2° 10' 00" N 27° 15' 00" E	600 m
Gamba complex (see Ossengue Camp site)	Gabon		1° 55' 59" S 9° 54' 00" E	
Gambaga	Ghana		10° 32' 00" N 0° 26' 32" W	312 m
Gambari Forest Reserve	Nigeria		7° 08' 00" N 3° 50' 00" E	
Gambeila (see Gambela)	Ethiopia		8° 15' 00" N 34° 35' 00" E	514 m
Gambela (see also: Gambeila, Gambela, Gambela Post, Gambella, Wilaya d' Illizi)	Ethiopia		8° 15' 00" N 34° 35' 00" E	514 m
Gambela (see Gambela), Ilu Babor	Ethiopia		8° 15' 00" N 34° 35' 00" E	514 m
GambePC:GA|)	Ethiopia			
Gambela Peoples state (see also: Gambela Hizboch state |PC:GA|)	Ethiopia			
Gambela Post (see Gambela)	Ethiopia		8° 15' 00" N 34° 35' 00" E	514 m
Gambela, 15 km E	Ethiopia			
Gambela, 60 km E	Ethiopia			
Gambella (see Gambela)	Ethiopia		8° 15' 00" N 34° 35' 00" E	514 m
Gamberg (see Gams se Berg)	South Africa		29° 14' 40" S 18° 58' 23" E	
Gambi Kayes	Gambi Kayes			
Gambia river, lower	The Gambia		13° 28' 00" N 16° 34' 00" W	
Gambia, The (see The Gambia)	Gambia, The			
Game Valley Estates, 17.5 km SSW Richmond, Hella-Hella (see also: Richmond, 17.5 km SSW)	South Africa		29° 54' 00" S 30° 03' 00" E	
Gamkapoort Nature Reserve	South Africa		33° 16' 00" S 21° 45' 00" E	
Gammouda valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia		35° 02' 25" N 9° 29' 37" E	312 m
Gamon	Senegal		13° 20' 00" N 12° 55' 00" W	67 m
Gams se Berg (see also: Gaamsberg, Gamberg, Gamsberg)	South Africa		29° 14' 40" S 18° 58' 23" E	
Gamsberg (see Gams se Berg)	South Africa		29° 14' 40" S 18° 58' 23" E	
Gamu (see Ngamo Pans)	Zimbabwe		19° 08' 00" S 27° 27' 00" E	
Gan Gafe	Kenya			
Ganab water hole	Namibia		23° 07' 00" S 15° 32' 00" E	
Ganda (see Ganda-Sundi)	Congo (Democratic Republic of the)		4° 52' 00" S 12° 52' 00" E	294 m
Gandajika	Congo (Democratic Republic of the)		6° 45' 00" S 23° 57' 00" E	806 m
Ganda-Sundi (see also: Ganda)	Congo (Democratic Republic of the)		4° 52' 00" S 12° 52' 00" E	294 m
Gandu	Congo (Democratic Republic of the)			
Gangala (see Gangala-na-Bodio)	Congo (Democratic Republic of the)		3° 41' 00" N 29° 08' 00" E	701 m
Gangala na Bodio (see Gangala-na-Bodio)	Congo (Democratic Republic of the)		3° 41' 00" N 29° 08' 00" E	701 m
Gangala-na-Bodio (see also: Gangala, Gangala na Bodio, Gangara, Gangara na Bodio)	Congo (Democratic Republic of the)		3° 41' 00" N 29° 08' 00" E	701 m
Gangara (see Gangala-na-Bodio)	Congo (Democratic Republic of the)		3° 41' 00" N 29° 08' 00" E	701 m
Gangara na Bodio (see Gangala-na-Bodio)	Congo (Democratic Republic of the)		3° 41' 00" N 29° 08' 00" E	701 m
Gangirwal (see also: Ouadé, Djabal, Waddi Chappal)	Nigeria	ca.	7° 07' 00" N 11° 42' 00" E	2300 m
Gangiule (see Ch'amo Hayk')	Ethiopia		5° 50' 00" N 37° 33' 00" E	
Ganta	Liberia	ca.	7° 18' 08" N 8° 31' 51" W	
Gantar (see Arba Minch')	Ethiopia		6° 02' 00" N 37° 33' 00" E	1284 m
Ganyesa	South Africa		26° 33' 00" S 24° 11' 00" E	1265 m
Ganza	Congo (Democratic Republic of the)		9° 14' 17" S 26° 41' 48" E	860 m
Ganzourgou province	Burkina Faso			
Gao region	Mali			
Gaoual prefecture	Guinea			
Gaoyanga (see Ngaouyanga)	Cameroon		7° 54' 00" N 13° 36' 00" E	610 m

Garairobi, lake (see Harairobo, lake)	Ethiopia		8° 19' 00" N 39° 05' 00" E	
Garak	Mauritania		16° 33' 00" N 15° 46' 00" W	45 m
Garamba National Park (see also: Parc National de Garamba)	Congo (Democratic Republic of the)		4° 10' 00" N 29° 30' 00" E	
Garba Tula, 2 km E (see Benane)	Kenya		0° 30' 00" N 38° 40' 00" E	366 m
Garcia Bosreservaat (see Garcia Forest Reserve)	South Africa		34° 01' 10" S 21° 13' 21" E	160 m
Garcia Forest Reserve, 8.4 km N, 3.0 km W Riversdale (see also: Garcia Bosreservaat, Garcia State Forest, Riversdale, 8.4 km N, 3.0 km W)	South Africa		34° 01' 10" S 21° 13' 21" E	160 m
Garcia State Forest (see Garcia Forest Reserve)	South Africa		34° 01' 10" S 21° 13' 21" E	160 m
Garden Castle Nature Reserve (see Garden Castle State Forest), 33 km W of Underberg	South Africa		29° 47' 00" S 29° 11' 00" E	
Garden Castle State Forest (see also: Garden Castle Nature Reserve, Underberg, 33 km W)	South Africa		29° 47' 00" S 29° 11' 00" E	
Garden Cave (see Great Zimbabwe [ruins])	Zimbabwe		20° 17' 00" S 30° 56' 00" E	
Gardenia, 10 mi [=16 km] S Newcastle (see also: Newcastle, 10 mi [=16 km] S)	South Africa	ca.	27° 53' 36" S 29° 57' 58" E	
Gargues, mount [summit] (see also: Mount Gargues)	Kenya		0° 57' 00" N 37° 24' 00" E	2164 m
Garibete Water Hole (see also: Garibiti)	Kenya		3° 26' 00" S 39° 16' 00" E	
Garibiti (see Garibete Water Hole)	Kenya		3° 26' 00" S 39° 16' 00" E	
Garies, Klein Namaqualand	South Africa		30° 33' 00" S 17° 59' 00" E	334 m
Garissa	Kenya		0° 27' 25" S 39° 39' 30" E	151 m
Garissa county	Kenya			
Garissa district	Kenya		0° 30' 00" S 40° 15' 00" E	
Garissa, 100 mi [=160 km] S (see Ijara)	Kenya		1° 36' 12" S 40° 31' 31" E	52 m
Garissa, 35 mi [=56 km] downstream (see Maningi)	Kenya		0° 52' 00" S 39° 54' 00" E	
Garou	Benin		11° 48' 13" N 3° 28' 44" E	252 m
Garoua (see also: Garua)	Cameroon		9° 18' 00" N 13° 24' 00" E	165 m
Garoua, 24 km S, 13 km E	Cameroon		9° 05' 00" N 13° 30' 00" E	
Garoua, 25 mi S	Cameroon			
Garrigues, cave (see Grotte Garrigues)	Guinea	ca.	10° 10' 23" N 12° 31' 05" W	
Garsen	Kenya		2° 16' 11" S 40° 07' 12" E	28 m
Garsen, 6 mi [=9.6 km] E	Kenya		2° 16' 11" S 40° 07' 12" E	100 ft
Garsen, 8.5 km N (see Galole Road), on Galole road	Kenya		1° 30' 13" S 40° 01' 44" E	77 m
Garsfontein, Pretoria	South Africa		24° 48' 03" S 28° 17' 44" E	1394 m
Garua (see Garoua)	Cameroon		9° 18' 00" N 13° 24' 00" E	165 m
Gash-Barka region	Eritrea			
Gasi (see Gazi)	Kenya		4° 25' 00" S 39° 30' 00" E	3 m
Gasiza	Rwanda			
Gasr Béni Gdem (see Qasr al Maqdam)	Libya		32° 38' 00" N 21° 36' 00" E	
Gasr esc-Sciandèn (see Qasr ash Shahdayn)	Libya		32° 37' 00" N 21° 35' 00" E	
Gat Koppies (see Gatkop cave), 24 km E Thabazimbi	South Africa		24° 37' 05" S 27° 39' 08" E	
Gatamayu, 2.5 km N, 0.5 km W	Kenya		0° 58' 13" S 36° 41' 47" E	2200 m
Gatkop (see Gatkop cave), 24 km E Thabazimbi	South Africa		24° 37' 05" S 27° 39' 08" E	
Gatkop cave, 24 km E Thabazimbi (see also: Donkerpoort, Farm 448, Farm 448 (Donkerpoort), Farm 449KQ, Farm Zandspruit 449KQ, Gat Koppies, Gatkop, Gatkoppies, Gattis koppies, Jonker Trust Farm, Sandspruit Cave, Sandspruit Cave No. 1, Sandspruit Cave No. 2, Sundspruit cave, Thabazimbi, 24 km E, Thabazimbi, 24 km E, Thabazimbi, 24 km E, Warmbad, 40 mi [=64 km] WNW, Zandspruit Caves, Zandspruit, Farm 449KQ)	South Africa		24° 37' 05" S 27° 39' 08" E	
Gatkoppies, 5.5 km NE Postmasburg (see also: Postmasburg, 5.5 km NE)	South Africa		28° 18' 00" S 23° 07' 00" E	
Gatkoppies (see Gatkop cave), 24 km E Thabazimbi	South Africa		24° 37' 05" S 27° 39' 08" E	
Gatshe Gatshe Bay, Lake Kariba	Zimbabwe		16° 52' 00" S 28° 52' 00" E	
Gattis koppies (see Gatkop cave), Vaalwater	South Africa		24° 37' 05" S 27° 39' 08" E	
Gauca River	Angola		11° 05' 00" S 17° 15' 00" E	3650 ft
Gaucha (see also: Geusha)	Namibia		17° 49' 00" S 22° 50' 00" E	983 m
Gauko-Otavi (see Kaoko Otavi)	Namibia		18° 18' 00" S 13° 42' 00" E	1471 m
Gauko-Otawi (see Kaoko Otavi)	Namibia		18° 18' 00" S 13° 42' 00" E	1471 m
Gauteng province	South Africa			
Gawso (see also: Goaso, Gooso)	Ghana		6° 48' 00" N 2° 31' 00" W	188 m
Gaya, 17 km W (see Tenda)	Niger		11° 59' 19" N 3° 18' 56" E	209 m
Gayu [river] (see Ngayu [river]), near Avakubi	Congo (Democratic Republic of the)		1° 35' 00" N 27° 13' 00" E	
Gaza province	Mozambique			
Gaze (see Gazi)	Kenya		4° 25' 00" S 39° 30' 00" E	3 m

Gazi (see also: Gasi, Gaze)	Kenya		4° 25' 00" S 39° 30' 00" E	3 m
Gbanga (see Gbanka)	Liberia		7° 16' 40" N 10° 03' 49" W	287 m
Gbangha (see Gbanka)	Liberia		7° 16' 40" N 10° 03' 49" W	287 m
Gbanka (see also: Banga, Bangah, Gbanga, Gbangha)	Liberia		7° 16' 40" N 10° 03' 49" W	287 m
Gbaolé	Guinea		7° 26' 30" N 9° 14' 34" W	482 m
Gbapa (see Gbarpa)	Liberia		7° 29' 03" N 8° 36' 49" W	475 m
Gbarnga, Cuttington University College	Gbarnga		7° 02' 24" N 9° 33' 15" W	
Gbarnqay	Liberia		7° 04' 00" N 10° 29' 00" W	
Gbarpa (see also: Gbapa)	Liberia		7° 29' 03" N 8° 36' 49" W	475 m
Gbarpolu county	Liberia			
Gbatope	Togo		6° 26' 00" N 1° 17' 00" E	
Gbeke region	Côte d'Ivoire			
Gbele Game Production Reserve (see also: Gbele Resource Reserve)	Ghana		10° 31' 18" N 2° 13' 22" W	200 m
Gbele Resource Reserve (see Gbele Game Production Reserve)	Ghana		10° 31' 18" N 2° 13' 22" W	200 m
Gbié	Guinea		7° 39' 55" N 8° 19' 10" W	508 m
Gbôkle region	Côte d'Ivoire			
Gboko, 7 mi [=11 km] SE (see Mkar)	Nigeria		7° 20' 00" N 9° 02' 00" E	434 m
Gboyo village, near Azagny National Park	Côte d'Ivoire		5° 14' 00" N 4° 47' 00" W	
Gcangcu	Namibia		17° 57' 00" S 19° 11' 00" E	1143 m
Gebel Abraq	Egypt			
Gebel Adda	Egypt		22° 16' 00" N 31° 36' 00" E	
Gebel Challa (see Challa, mount), 20 km NE Afallo	Ethiopia		5° 23' 00" N 36° 34' 00" E	2100 m
Gebel el Ahmar (see Al Jabal al Ahmar)	Egypt		30° 03' 00" N 31° 18' 00" E	
Gebel el Ahmar (see Al Jabal al A?mar)	Egypt		30° 03' 00" N 31° 18' 00" E	
Gebel el Hagif (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Gebel el Lahun (see Al Lahun)	Egypt		29° 13' 09" N 30° 58' 42" E	5 m
Gebel Geraf (see Zeraf, Jebel [=mountain])	Sudan		15° 49' 00" N 31° 10' 00" E	
Gebel Zeraf (see Zeraf, Jebel [=mountain])	Sudan		15° 49' 00" N 31° 10' 00" E	
GedarPC:GD|) (see also: Al Qadarif state |PC:GD|)	Sudan			
Gede National Park (see also: Gede Royal National Park, Gedi National Park, Gedi Royal National Park)	Kenya		3° 18' 00" S 40° 01' 00" E	7 m
Gede Royal National Park (see Gede National Park)	Kenya		3° 18' 00" S 40° 01' 00" E	7 m
Gedeh (see also: Gedi)	Kenya		3° 18' 00" S 40° 01' 00" E	7 m
Gedi (see Gedeh)	Kenya		3° 18' 00" S 40° 01' 00" E	7 m
Gedi National Park (see Gede National Park)	Kenya		3° 18' 00" S 40° 01' 00" E	7 m
Gedi Royal National Park (see Gede National Park)	Kenya		3° 18' 00" S 40° 01' 00" E	7 m
Gedo region (see also: Gedu region |PC:GE|)	Somalia			
GeduPC:GE|)	Somalia			
Geduld, Farm 111 (see Farm Geduld 111)	Namibia		20° 17' 49" S 15° 49' 57" E	1020 m
Geelbek Farm (see Farm Geelbek), Langebaan	South Africa		33° 12' 00" S 18° 08' 00" E	
Geita district	Tanzania		2° 55' 00" S 32° 15' 00" E	
Geita region	Tanzania			
Geitsi-Gubeb (see Brukkaros, mount)	Namibia		25° 52' 00" S 17° 48' 00" E	
Geitsigubib (see Brukkaros, mount)	Namibia		25° 52' 00" S 17° 48' 00" E	
Gelana Shet' (see also: Donu river, Doou river, Galana river)	Ethiopia		6° 07' 00" N 37° 55' 00" E	
Gelego	Ethiopia		12° 14' 00" N 35° 53' 00" E	650 m
Gelib (see Jilib)	Somalia		0° 29' 45" N 42° 46' 22" E	19 m
Geluk, Farm (see Farm Geluk), Harrismith	South Africa		27° 52' 00" S 28° 52' 00" E	
Gem Tree Ranch, Que-Que, Rhodesdale (see also: Sebakwe River)	Zimbabwe	ca.	18° 55' 00" S 30° 50' 00" E	
Gembi (see Gimbi)	Ethiopia		9° 10' 00" N 35° 50' 00" E	1844 m
Gemeiza	South Sudan		5° 50' 00" N 31° 50' 00" E	
Gemena	Congo (Democratic Republic of the)		3° 15' 00" N 19° 46' 00" E	555 m
Gemena territory	Congo (Democratic Republic of the)		3° 15' 00" N 19° 46' 00" E	
Gemsbok Pan, ca. 25 mi [=40 km] W Sunnyside (see also: Sunnyside, ca. 25 mi [=40 km] W)	Botswana		21° 40' 00" S 21° 39' 31" E	
Gemsbok Pan	Namibia		23° 45' 00" S 19° 05' 00" E	
Genale (see Jannaale)	Somalia		1° 48' 00" N 44° 42' 00" E	64 m
Genda Genda South Forest Reserve, 30 km SW Pangani (see also: Gendagenda South Forest Reserve, Pangani, 30 km SW)	Tanzania		5° 34' 00" S 38° 38' 00" E	
Gendagenda South Forest Reserve (see Genda Genda South Forest Reserve), 30 km SW Pangani	Tanzania		5° 34' 00" S 38° 38' 00" E	

Generosa [hill] (see also: Morra da Generosa)	São Tomé and Principé		0° 21' 00" N 6° 33' 00" E	ca. 800 m
George, 1.6 km N, 5.9 km E (see Saasveld)	South Africa		33° 57' 00" S 22° 31' 00" E	213 m
Georgetown (see Janjanbureh), MacCarthy Island	The Gambia		13° 32' 00" N 14° 46' 00" W	4 m
Geramihasha river, affluent of Rodahira river	Congo (Democratic Republic of the)		1° 13' 00" S 29° 27' 00" E	1250 m
Gerba (see Île de Jerba)	Tunisia		33° 48' 00" N 10° 54' 00" E	
Gerhard's cave	Mozambique		21° 40' 12" S 34° 51' 36" E	68 m
Gerlachshoop	South Africa			
Germa (see Jarmah)	Libya		26° 31' 46" N 13° 04' 23" E	601 m
Gert Sibande district	South Africa			
Gesira , 5.5 km S, 11.5 km W (see Raas Boqol iyoToban iyo Afar)	Somalia		1° 54' 12" N 45° 04' 57" E	
Geusha (see Gaucha)	Namibia		17° 49' 00" S 22° 50' 00" E	983 m
Gezantombi waterhole, 3 km N Crocodile bridge (see also: Crocodile bridge, 3 km N)	South Africa		25° 20' 00" S 31° 52' 00" E	
Gezira Island (see Jazirat az Zamalik)	Egypt		30° 03' 24" N 31° 13' 19" E	
GezirPC:GZ|) (see also: Al Jazirah state |PC:GZ|)	Sudan			
Gezîret el-Zamâlik (see Jazirat az Zamalik)	Egypt		30° 03' 24" N 31° 13' 19" E	
Ghadamis municipality	Libya			
Ghana	Ghana			
Ghansi, 20 mi [=32 km] NE (see Ghanzi, 20 mi [=32 km] NE)	Botswana		21° 42' 00" S 21° 39' 00" E	
Ghanzi district	Botswana			
Ghanzi, 20 mi [=32 km] NE (see also: Ghansi, 20 mi [=32 km] NE)	Botswana		21° 42' 00" S 21° 39' 00" E	
Ghar Kraiz	Tunisia		36° 26' 10" N 9° 23' 08" E	
Ghar Tabouda	Tunisia			
Gharb - Chrarda - Béni Hssen (former) region	Morocco			
GharbPC:WE|)	South Sudan			
GharbPC:WB|)	South Sudan			
GharbPC:WF|)	Sudan			
GharbPC:GH|)	Egypt			
Ghardaïa (see also: Rhardaïa)	Algeria		32° 29' 00" N 3° 40' 00" E	572 m
Ghardaïa province	Algeria			
Gharyan municipality	Libya			
Ghat district	Libya			
Ghaub Farm	Namibia		19° 29' 02" S 17° 46' 41" E	
Ghibbey valley (see Kerkeri Shet')	Ethiopia		8° 15' 00" N 37° 29' 00" E	
Ghibbiè di Gimma (see Kerkeri Shet')	Ethiopia		8° 15' 00" N 37° 29' 00" E	
Ghibie valley (see Kerkeri Shet')	Ethiopia		8° 15' 00" N 37° 29' 00" E	
Ghible valley (see Kerkeri Shet')	Ethiopia		8° 15' 00" N 37° 29' 00" E	
Ghidole (see Gidole)	Ethiopia		5° 39' 00" N 37° 22' 00" E	2044 m
Ghidolie (see Gidole)	Ethiopia		5° 39' 00" N 37° 22' 00" E	2044 m
Ghigner, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghiignir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghimbi (see Gimbi)	Ethiopia		9° 10' 00" N 35° 50' 00" E	1844 m
Ghimir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinda (see Ginda'), Asmara, NE	Eritrea		15° 26' 57" N 39° 05' 19" E	912 m
Ghinda'e (see Ginda'), Asmara, NE	Eritrea		15° 26' 57" N 39° 05' 19" E	912 m
Ghinir, 10 km from (see Ginir, 10 km from)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	
Ghinir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinner, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinnir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghion (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Ghizeh	Egypt		30° 05' 10" N 31° 12' 44" E	17 m
Ghola (see Grand-Popo)	Benin		6° 19' 00" N 1° 57' 00" E	63 m
Ghost Mountain	South Africa		27° 37' 00" S 32° 05' 00" E	
Giamama (see Jamaame)	Somalia		0° 04' 20" N 42° 45' 02" E	10 m
Giamame (see Jamaame)	Somalia		0° 04' 20" N 42° 45' 02" E	10 m
Giamana (see Jamaame)	Somalia		0° 04' 20" N 42° 45' 02" E	10 m
Giamane (see Jamaame)	Somalia		0° 04' 20" N 42° 45' 02" E	10 m
Giante's Castle	Algeria			6300 ft
Giant's Castle Game and Nature Reserve (see Giant's Castle Game Reserve)	South Africa		29° 14' 00" S 29° 29' 00" E	
Giant's Castle Game Reserve (see also: Giant's Castle Game and Nature Reserve, Giants Castle Wildreserve)	South Africa		29° 14' 00" S 29° 29' 00" E	
Giants Castle Wildreserve (see Giant's Castle Game Reserve)	South Africa		29° 14' 00" S 29° 29' 00" E	
Giarabub (see Al Jaghbub)	Libya		29° 44' 33" N 24° 31' 04" E	0 m
Gibbs farm, Karatu, eastern Oldeani	Tanzania		3° 21' 00" S 35° 32' 00" E	
Gibdo	Eritrea		12° 57' 00" N 42° 42' 00" E	

Gibraltar island	Kenya		0° 36' 00" N 36° 04' 00" E	
Gibuti (see Djibouti)	Djibouti		11° 35' 42" N 43° 08' 53" E	0 m
Gidari (see Guidari), west of Sarh	Chad		9° 17' 00" N 16° 40' 00" E	419 m
Gidole	Ethiopia		5° 39' 00" N 37° 22' 00" E	2044 m
(see also: Afeworks Farm, Ghidole, Ghidolie, Gidole)				
Gidole (see Gidole)	Ethiopia		5° 39' 00" N 37° 22' 00" E	2044 m
Giel de Wet Park	South Africa		29° 07' 30" S 26° 37' 30" E	
(see also: Thaba Nchu)				
Gifuruzi (see Kifuruzi)	Burundi		4° 18' 57" S 29° 35' 06" E	
Giggiga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Giggigga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Gihanga	Burundi		3° 11' 41" S 29° 17' 43" E	814 m
(see also: Kihanga)				
Giheta	Burundi		3° 20' 00" S 29° 50' 00" E	
Gihinda (see Gihinga)	Rwanda		1° 24' 00" S 30° 37' 00" E	1400 m
Gihinga	Rwanda		1° 24' 00" S 30° 37' 00" E	1400 m
(see also: Gihinda)				
Gikuyu (see Kikuyu)	Kenya		1° 15' 00" S 36° 40' 00" E	1931 m
Gilgil, 3 km N, 14 km E Elmenteita	Kenya		0° 29' 23" S 36° 18' 43" E	1962 m
(see also: Elmenteita, 3 km N, 14 km E)				
Gilgil river	Kenya		0° 43' 00" S 36° 21' 00" E	
(see also: Khirgil river, Kilgil river)				
Gilgil, near	Kenya	ca.	0° 30' 00" S 36° 19' 00" E	
Gillets (see Gillitts)	South Africa		29° 46' 41" S 30° 47' 49" E	
Gilletts (see Gillitts), Durban	South Africa		29° 46' 41" S 30° 47' 49" E	
Gillitts, Durban	South Africa		29° 48' 00" S 30° 48' 00" E	
(see also: Gillets, Gilletts, Gillitts-Emberton)				
Gillitts-Emberton (see Gillitts), Durban	South Africa		29° 46' 41" S 30° 47' 49" E	
Gilo	South Sudan		4° 02' 18" N 32° 50' 43" E	
Gilo area	South Sudan	ca.	4° 02' 18" N 32° 50' 43" E	
Gilo, 5 mi [=8 km] S	South Sudan		4° 02' 00" N 32° 51' 00" E	
Gima (see Jima)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Gima, 5 km E (see Jima, 5 km E)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Gimbi	Ethiopia		9° 10' 00" N 35° 50' 00" E	1844 m
(see also: Gembi, Ghimbi)				
Gimbi, 12 km E	Ethiopia	ca.	9° 10' 00" N 35° 50' 00" E	
Gimbi, 25 km E	Ethiopia	ca.	9° 10' 00" N 35° 50' 00" E	
Gimbi, 7 km E	Ethiopia	ca.	9° 10' 00" N 35° 50' 00" E	
Gimboki, Mutare	Zimbabwe		19° 01' 12" S 32° 34' 48" E	
Gimma (see Jima)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Gimma, 5 km E (see Jima, 5 km E)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Ginda', Asmara, NE	Eritrea		15° 26' 57" N 39° 05' 19" E	912 m
(see also: Ghinda, Ghinda'e)				
Ginir, 10 km from	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	
(see also: Ghinir, 10 km from)				
Ginir, 25 mi [=40 km] E (see Sof Omar cave)	Ethiopia		6° 54' 22" N 40° 50' 42" E	
Ginir, 30 mi [=48 km] N	Ethiopia		7° 06' 00" N 40° 39' 00" E	1951 m
Ginir, 49 km N	Ethiopia		7° 06' 00" N 40° 40' 00" E	1951 m
Ginir, 7 km	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
(see also: Ghigner, 7 km, Ghiignir, 7 km, Ghimir, 7 km, Ghinir, 7 km, Ghinner, 7 km, Ghinnir, 7 km, Ginnir, 7 km)				
Ginnir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Giohar (see Jawhar)	Somalia		1° 57' 00" N 44° 50' 00" E	73 m
Giohar (see Jawhar)	Somalia		2° 46' 00" N 45° 31' 00" E	100 m
Giohar, 1.5 km S, 0.5 km E (see Snai Sugar Plantation)	Somalia		2° 46' 00" N 45° 31' 00" E	
Gion (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Girawa	Ethiopia		9° 07' 59" N 41° 50' 20" E	
(see also: Graua, Grawa, Grewa)				
Giren (see Jiren), near Jima	Ethiopia		7° 49' 00" N 36° 41' 00" E	1678 m
Girivana cave	South Africa		24° 21' 26" S 31° 41' 26" E	
(see also: Ngirivana cave)				
Gisenyi	Rwanda		1° 41' 15" S 29° 15' 17" E	1450 m
(see also: Kisenyi, Kisenyi, road to Sake, Kissenji)				
Gisenyi	Rwanda		1° 42' 10" S 29° 15' 23" E	1481 m
(see also: Brouwerij Baai, Colline Gosenyi, Gosenyi)				
Giserama, colline, Kibira National Park, Ndora Zone	Burundi		2° 50' 27" S 29° 25' 07" E	2045 m
(see also: Colline Giserama, Kirumura, 1.1 - 2.1 km N, 0.8 - 1.1 km E)				
Gisovu	Rwanda		2° 15' 17" S 29° 20' 13" E	2335 m
Gitega	Burundi		3° 25' 35" S 29° 55' 51" E	1845 m
(see also: Kitega)				

Gitega province	Burundi			
Gitovu	Rwanda		2° 19' 00" S 29° 09' 00" E	1649 m
(see also: Colline Gitovu)				
Giyon, 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
(see also: Chitu, Ghion, Gion, Guyon, Ualiso, Uoliso, Uolisò, Waliso, Walliso, Walso, Weliso, Weliso, Welso, Woliso, Wolisso, Wolliso)				
Gîza	Egypt		30° 00' 29" N 31° 12' 39" E	22 m
(see also: Giza, Gizah, Gizeh)				
Giza (see Gîza)	Egypt		30° 00' 29" N 31° 12' 39" E	22 m
GizaPC:JZ|)	Egypt			
Giza Pyramid	Egypt		29° 59' 00" N 31° 08' 00" E	
Giza pyramids	Egypt		29° 58' 00" N 31° 07' 00" E	
Giza pyramids area, old tomb W of Cheops pyramide	Egypt		29° 59' 00" N 31° 08' 00" E	
Giza pyramids, 1 km N	Egypt		29° 58' 00" N 31° 07' 00" E	
Giza pyramids, 2 km from	Egypt		29° 58' 00" N 31° 07' 00" E	
Giza, 5 mi [=8 km] NW (see Abu Rawwash)	Egypt	ca.	30° 02' 44" N 31° 05' 33" E	
Giza, near	Egypt	ca.	30° 05' 10" N 31° 12' 44" E	
Gizah (see Gîza)	Egypt		30° 00' 29" N 31° 12' 39" E	22 m
Gizeh (see Gîza), near Cairo	Egypt		30° 00' 29" N 31° 12' 39" E	22 m
Gladstone	South Africa		30° 17' 00" S 28° 25' 00" E	1425 m
Gladstone's Nose [mountain]	South Africa		29° 24' 00" S 29° 39' 00" E	
Gladysvale, Farm (see Farm Gladysvale), 20 mi [=32 km] NNE Krugersdorp	South Africa		25° 54' 00" S 27° 46' 00" E	1527 m
Glen, 15 mi N [=24 km] Bloemfontein	South Africa		28° 56' 00" S 26° 20' 00" E	
(see also: Bloemfontein, 15 mi [=24 km] N)				
Glen Anil	South Africa		29° 45' 07" S 31° 02' 13" E	
Glen Reenen, Golden Gate	South Africa		28° 31' 00" S 28° 37' 00" E	2175 m
Glenashley	South Africa		29° 45' 39" S 31° 03' 04" E	103 m
Gleneagles Estate, Inyanga	Zimbabwe		18° 17' 00" S 32° 54' 00" E	
Glengarry Park, 26 km W Rosetta, near Kamberg	South Africa		30° 15' 00" S 29° 36' 00" E	
(see also: Rosetta, 26 km W)				
Glenhills	South Africa		29° 47' 00" S 31° 02' 00" E	
Gleniffer, Farm (see Farm Gleniffer)	South Africa		32° 42' 42" S 27° 34' 55" E	660 m
Glenmore	South Africa		29° 35' 15" S 30° 58' 08" E	43 m
Glenwood	South Africa		29° 50' 00" S 31° 00' 00" E	
Glib Zegdou	Algeria		29° 42' 49" N 4° 45' 58" W	
Glong, Jebel	Tunisia			
(see also: Djebel Glong)				
Gloria	South Africa		31° 07' 00" S 26° 52' 00" E	
Glote Village	Sierra Leone			
Gnagna province	Burkina Faso			
Goas	Namibia		22° 13' 00" S 15° 45' 00" E	
Goaso (see Gawso)	Ghana		6° 48' 00" N 2° 31' 00" W	188 m
Goba	Ethiopia		8° 01' 00" N 40° 23' 00" E	1276 m
Goba (see Juba)	South Sudan		4° 51' 00" N 31° 37' 00" E	550 m
Goba, 3 mi S, Bale Province	Ethiopia	ca.	4° 51' 00" N 31° 37' 00" E	
Gobabeb	Namibia		23° 33' 00" S 15° 02' 00" E	401 m
(see also: Gobabeb Station)				
Gobabeb Station (see Gobabeb), in Villa...	Namibia		23° 33' 00" S 15° 02' 00" E	401 m
Gobabeb, 19 mi [=30.5 km] (see Swakopmund)	Namibia		23° 41' 00" S 14° 32' 00" E	1 m
Gobabis	Namibia		22° 27' 00" S 18° 58' 00" E	4650 ft
Gobabis district	Namibia		22° 30' 00" S 19° 00' 00" E	
Gobabis, 26.0 km S, 89.0 km W (see Farm Arnheim)	Namibia		22° 29' 00" S 18° 08' 00" E	1500 m
Gobabis, 40 mi [=64 km] W (see Witvlei)	Namibia		22° 24' 00" S 18° 29' 00" E	1250 m
Godare forest, Yamboshi river	Ethiopia		7° 21' 00" N 35° 13' 00" E	
Godefò valley, middle (see Gojeb Wenz, middle)	Ethiopia		7° 20' 00" N 37° 21' 00" E	
Goden	Burkina Faso		12° 12' 00" N 2° 04' 00" W	308 m
Godeni, E	South Africa		28° 05' 00" S 32° 02' 00" E	450 m
Godjeb Fiume, middle (see Gojeb Wenz, middle)	Ethiopia		7° 20' 00" N 37° 21' 00" E	
Godjeb valley, middle (see Gojeb Wenz, middle)	Ethiopia		7° 20' 00" N 37° 21' 00" E	
Goedhoek, Farm (see Farm Goud Hoek), Babanango	South Africa		28° 23' 00" S 31° 04' 00" E	
Goegab [farmstead]	South Africa		29° 42' 00" S 18° 02' 00" E	
(see also: Goegap [farmstead])				
Goegap [farmstead] (see Goegab [farmstead])	South Africa		29° 42' 00" S 18° 02' 00" E	
Goegap Nature Reserve, Springbok	South Africa		29° 40' 00" S 17° 59' 00" E	
Gofa	Ethiopia		6° 15' 00" N 36° 45' 00" E	
Gofa district	Ethiopia			
Gogeb valley, middle (see Gojeb Wenz, middle)	Ethiopia		7° 20' 00" N 37° 21' 00" E	
Goggiam province (see Gojam Kifle Hager province)	Ethiopia	ca.	11° 00' 00" N 37° 00' 00" E	
Gôh region	Côte d'Ivoire			
Gôh-Djiboua district	Côte d'Ivoire			
Goho Hills	Botswana		18° 22' 30" S 24° 07' 30" E	
Gojab valley, middle (see Gojeb Wenz, middle)	Ethiopia		7° 20' 00" N 37° 21' 00" E	

Gojam Kifle Hager province (see also: Goggiam province, Gojam province, Gojjam province, Gojjiam province, Gwejam province, Gwojjam province)	Ethiopia	ca.	11° 00' 00" N 37° 00' 00" E	
Gojam province (see Gojam Kifle Hager province)	Ethiopia	ca.	11° 00' 00" N 37° 00' 00" E	
Gojeb River	Ethiopia			
Gojeb valley, middle (see Gojeb Wenz, middle)	Ethiopia		7° 20' 00" N 37° 21' 00" E	
Gojeb Wenz, middle (see also: Godefò valley, middle, Godjeb Fiume, middle, Godjeb valley, middle, Gogeb valley, middle, Gojab valley, middle, Gojeb valley, middle, Gwojäb valley, middle)	Ethiopia		7° 20' 00" N 37° 21' 00" E	
Gojjam province (see Gojam Kifle Hager province)	Ethiopia	ca.	11° 00' 00" N 37° 00' 00" E	
Gojjiam province (see Gojam Kifle Hager province)	Ethiopia	ca.	11° 00' 00" N 37° 00' 00" E	
Gokwe	Zimbabwe		18° 13' 00" S 28° 56' 47" E	
Gokwe, 75 km W (see Sengwa Wildlife Research Area)	Zimbabwe		18° 10' 00" S 28° 13' 00" E	
Gola Forest Camp, 4 mi [=6.4 km] S Lalehun (see also: Lalehun, 4 mi [=6.4 km] S)	Sierra Leone		7° 36' 47" N 10° 57' 59" W	
Golbanti (see also: Borobini, Golbanti mission)	Kenya		2° 27' 24" S 40° 12' 09" E	11 m
Golbanti mission (see Golbanti)	Kenya		2° 27' 24" S 40° 12' 09" E	11 m
Gold Coast (see also: Goldküste)	Ghana	ca.	5° 20' 00" N 0° 45' 00" W	
Golden Gate Highlands National Park (see also: Golden Gate Nature Reserve, Mount Pierre se kloof, Qwa-Qwa National Park, Wonderhoek se kloof)	South Africa		28° 30' 15" S 28° 36' 09" E	
Golden Gate Nature Reserve (see Golden Gate Highlands National Park)	South Africa		28° 31' 00" S 28° 37' 00" E	
Golden Sands Camp, Cape Maclear; on N side of Domwe Island	Malawi		13° 58' 05" S 34° 49' 15" E	480 m
Goldküste (see Gold Coast)	Ghana	ca.	5° 20' 00" N 0° 45' 00" W	
Goli, 97 km S Arua (see also: Arua, 97 km S)	Uganda		2° 41' 01" N 31° 06' 40" E	
Golundo Alto (see Golungo Alto)	Angola		9° 08' 00" S 14° 46' 00" E	577 m
Golungo Alto (see also: Galungo Alto, Golundo Alto)	Angola		9° 08' 00" S 14° 46' 00" E	577 m
Goma (see also: Ngoma)	Congo (Democratic Republic of the)		1° 40' 45" S 29° 13' 22" E	1499 m
Gomba district	Uganda			
Gombe (see Ngombe)	Congo (Democratic Republic of the)		6° 35' 00" S 20° 42' 00" E	528 m
Gombe state	Nigeria			
Gombe Stream Game Reserve (see Gombe Stream National Park)	Tanzania		4° 42' 00" S 29° 37' 00" E	
Gombe Stream National Park (see also: Gombe Stream Game Reserve)	Tanzania		4° 42' 00" S 29° 37' 00" E	
Gombero, ca 6 km S, 2.5 km E (see Nguru North Forest Reserve)	Tanzania		5° 28' 45" S 37° 27' 51" E	
Gome Maria caves	Kenya		3° 20' 00" S 40° 01' 00" E	
Gomoti River, Film Camp, Okavango delta, Chitabe	Botswana		19° 25' 33" S 23° 25' 01" E	
Gomoti River, Highbanks, Okavango delta, Chitabe	Botswana		19° 25' 11" S 23° 24' 15" E	
Gomutown	Liberia		7° 00' 00" N 11° 00' 00" W	
Gona-Re-Zhou National Park (see also: GonareZhou National Park, Gona-Re-Zhowe National Park)	Zimbabwe		21° 40' 00" S 31° 45' 00" E	
GonareZhou National Park (see Gona-Re-Zhou National Park), GonareZhou	Zimbabwe		21° 40' 00" S 31° 45' 00" E	
Gona-Re-Zhowe National Park (see Gona-Re-Zhou National Park), GonareZhou	Zimbabwe		21° 40' 00" S 31° 45' 00" E	
Gonda	Uganda			
Gondar (see Gonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Gondar province (see Gonder Kifle Hager province)	Ethiopia	ca.	12° 30' 00" N 37° 00' 00" E	
Gondar, 15 mi [=24 km] NE	Ethiopia		12° 37' 00" N 37° 29' 00" E	
Gonder (see also: Baggyemdr province, Begemdir province, Gondar, Gwender, Gwonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Gonder Kifle Hager province (see also: Bagemder province, Bagemdir province, Bege Meder province, Begemder province, Begemdir na Simen province, Begemedir province, Beghemeder province, Gondar province, Gonder province)	Ethiopia	ca.	12° 30' 00" N 37° 00' 00" E	
Gonder province (see Gonder Kifle Hager province)	Ethiopia	ca.	12° 30' 00" N 37° 00' 00" E	
Gondokoro, on White Nile	South Sudan		4° 54' 00" N 31° 40' 00" E	545 m
Gondokoro, 25 mi [=40 km] N (see Mongalla)	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m

Gonja (see also: Gonja Maore)	Tanzania		4° 16' 00" S 38° 03' 00" E	575 m
Gonja Forest Reserve, 2 km SW Gonja Maore (see also: Gonja Maore, 2 km SW)	Tanzania		4° 16' 00" S 38° 02' 00" E	550 m
Gonja Maore (see Gonja)	Tanzania		4° 16' 00" S 38° 03' 00" E	575 m
Gonja Maore, 2 km SW (see Gonja Forest Reserve)	Tanzania		4° 16' 00" S 38° 02' 00" E	550 m
Gontougo region	Côte d'Ivoire			
Good house Bay (see Goodhouse)	South Africa		28° 54' 45" S 18° 12' 39" E	650 ft
Goodhope, Farm (see Farm Goodhope)	South Africa		23° 57' 00" S 29° 54' 00" E	1500 m
Goodhouse, banks of Orange river (see also: Good house Bay)	South Africa		28° 54' 45" S 18° 12' 39" E	650 ft
Goodhouse (see Goodhouse se Poort)	Namibia		28° 48' 00" S 18° 15' 00" E	
Goodhouse se Poort (see also: Goodhouse)	Namibia		28° 48' 00" S 18° 15' 00" E	
Goodhouse, Farm 23 (see Farm Goodhouse 23), Goodhouse	South Africa		28° 54' 00" S 18° 15' 00" E	210 m
Gooso (see Gawso)	Ghana		6° 48' 00" N 2° 31' 00" W	188 m
Gopoupleu	Côte d'Ivoire		7° 26' 05" N 8° 17' 07" W	358 m
Goraas, Farm FrQ 2.9 (see Farm Goraas FrQ 2.9), 62 km W Carnarvon	South Africa		31° 11' 00" S 21° 32' 00" E	
Gordil	Central African Republic		9° 36' 42" N 21° 41' 12" E	
Gordil III (see Bozo)	Central African Republic		9° 36' 42" N 21° 41' 12" E	
Gordon Park	Zimbabwe		20° 28' 00" S 28° 32' 00" E	
Goré	Chad		7° 55' 00" N 16° 38' 00" E	438 m
Gorgadji, 17 km E	Burkina Faso		14° 02' 00" N 0° 22' 00" W	ca. 300 m
Gorge Rest Camp	South Africa		23° 59' 56" S 31° 49' 24" E	
Gorge Rim, Site 1	Mozambique		18° 38' 06" S 34° 48' 29" E	213 m
Gorges de Kherrata (tunnel) (see also: Kherrata, gorges de)	Algeria	ca.	36° 29' 37" N 5° 16' 41" E	
Gorges de la Chiffa (see also: Chiffa, gorges de la, La Chiffa)	Algeria		36° 24' 00" N 2° 46' 00" E	
Gorges du Dadès (see also: Aït-Ali, ca. 5 km N)	Morocco		31° 31' 00" N 5° 56' 00" W	1750 m
Gorgman	Zimbabwe			
Gorgol region	Mauritania			
Gorgora	Ethiopia		12° 14' 25" N 37° 18' 03" E	1828 m
Gorongosa Mountain (see Gorongosa, Serra de)	Mozambique		18° 24' 02" S 34° 04' 18" E	
Gorongosa National Park (see also: Gorongoza Game Reserve, Gorongoza National Park, Parque Nacional da Gorongosa, Parque Nacional de Caça)	Mozambique		18° 41' 25" S 34° 18' 49" E	
Gorongosa National Park (II)	Mozambique		18° 27' 54" S 34° 03' 07" E	1150 m
Gorongosa National Park, cave at alpine-forest interface	Mozambique		18° 26' 05" S 34° 03' 06" E	
Gorongosa National Park, montain forest 1	Mozambique		18° 28' 00" S 34° 03' 02" E	
Gorongosa National Park, village below forest	Mozambique		18° 29' 02" S 34° 02' 35" E	
Gorongosa, Serra de (see also: Gorongosa Mountain, Gorongoza Mountain)	Mozambique		18° 24' 02" S 34° 04' 18" E	
Gorongoza caves	Mozambique		18° 33' 53" S 34° 52' 19" E	
Gorongoza Game Reserve (see Gorongosa National Park)	Mozambique		18° 41' 25" S 34° 18' 49" E	
Gorongoza Mountain (see Gorongosa, Serra de)	Mozambique		18° 24' 02" S 34° 04' 18" E	
Gorongoza National Park (see Gorongosa National Park)	Mozambique		18° 41' 25" S 34° 18' 49" E	
Goroumbwa Mine	Congo (Democratic Republic of the)		3° 06' 46" N 29° 34' 14" E	
Gorrasis, 110 km WSW Maltahöhe (see also: Maltahohe, 110 km WSW)	Namibia			
Gosenyi (see Gisenyi)	Rwanda		1° 42' 10" S 29° 15' 23" E	1481 m
Gotel Mountains	Nigeria		7° 00' 00" N 11° 40' 00" E	
Gouan	Guinea		7° 41' 24" N 8° 23' 24" W	
Goud Hoek, Farm (see Farm Goud Hoek), Babanango	South Africa		28° 23' 00" S 31° 04' 00" E	
Goudhoek, Farm (see Farm Goud Hoek), Babanango	South Africa		28° 23' 00" S 31° 04' 00" E	
Goudiri (see also: Goudiry)	Senegal		14° 11' 00" N 12° 43' 00" W	57 m
Goudiry (see Goudiri)	Senegal		14° 11' 00" N 12° 43' 00" W	57 m
Goukamma Nature Reserve, 3.0 km S, 10.0 km W Knysna (see also: Knysna, 3.0 km S, 10.0 km W, Knysna, 3.8 km S, 9,3 km W)	South Africa		34° 03' 00" S 22° 56' 00" E	30 m
Goulimine (see Guelmim), Drâ area	Morocco		28° 59' 02" N 10° 03' 37" W	307 m
Goulombo (see Gouloumbou)	Senegal		13° 30' 00" N 13° 43' 00" W	63 m
Gouloumbo (see Gouloumbou)	Senegal		13° 30' 00" N 13° 43' 00" W	63 m
Gouloumbou (see also: Goulombo, Gouloumbo)	Senegal		13° 30' 00" N 13° 43' 00" W	63 m
Gouna, Farm (see Farm Visagierus), Williston, SW	South Africa		31° 31' 00" S 20° 30' 00" E	3600 ft

Gounda camp	Central African Republic	9° 03' 00" N 21° 12' 00" E	436 m
Gounda River bridge, National Highway, between Ndele and Vakaga	Central African Republic	8° 41' 00" N 21° 30' 00" E	445 m
Gourlay Ranch (see Gourlays Block), Lonely Mine	Zimbabwe	19° 17' 00" S 28° 40' 00" E	
Gourlays Block, Lonely Mine (see also: Gourlay Ranch)	Zimbabwe	19° 17' 00" S 28° 40' 00" E	
Gourma province	Burkina Faso		
Governor's Camp, Eastern Bank of the Mara River	Kenya	1° 24' 37" S 34° 59' 19" E	
Gowane	Ethiopia	10° 10' 00" N 40° 39' 00" E	
Goyanga (see Ngaouyanga)	Cameroon	7° 54' 00" N 13° 36' 00" E	610 m
Graaf Reinet (see Graaff-Reinet)	South Africa	32° 13' 48" S 24° 33' 00" E	718 m
Graaff Reinet, 23 mi [=37 km] SE	South Africa	32° 27' 00" S 24° 45' 00" E	
Graaff Reinet, 27 mi [=43 km] W (see Farm De Vrede)	South Africa	32° 13' 03" S 24° 12' 26" E	
Graaff-Reinet (see also: Graaf Reinet)	South Africa	32° 13' 48" S 24° 33' 00" E	718 m
Graaff-Reinet Nature Conservatory, 3.0 km E Graaff-Reinet (see also: Graaff-Reinet, 3.0 km E)	South Africa	32° 15' 00" S 24° 34' 00" E	675 m
Graaff-Reinet, 27.5 km N, 6 km E (see Abbotsbury)	South Africa	32° 00' 14" S 24° 31' 08" E	1300 m
Graaff-Reinet, 28 mi [=45 km] N (see Koloniesplaas)	South Africa	31° 59' 34" S 24° 47' 58" E	
Graaff-Reinet, 3.0 km E (see Graaff-Reinet Nature Conservatory)	South Africa	32° 15' 00" S 24° 34' 00" E	675 m
Grahamstad (see Grahamstown)	South Africa	33° 18' 00" S 26° 32' 00" E	500 m
Grahamstown (see also: Grahamstad)	South Africa	33° 18' 00" S 26° 32' 00" E	500 m
Grahamstown, 1.5 km S, 1.2 km E (see Farm Waterloo)	South Africa	33° 19' 26" S 26° 32' 18" E	610 m
Grahamstown, 11 mi [=17.7 km] SSW (see Farm Mosslands)	South Africa	33° 24' 23" S 26° 25' 45" E	
Grahamstown, 19.2 km N, 18.3 km E (see Andries Vosloo Kudu Resserve)	South Africa	33° 08' 12" S 26° 43' 17" E	460 m
Grahamstown, 19.9 km N, 8.6 km E (see Fort Brown Police Station)	South Africa	33° 07' 49" S 26° 37' 05" E	270 m
Grahamstown, 5 km S, 5 km E (see Farm Stones Hill)	South Africa	33° 20' 00" S 26° 34' 00" E	430 m
Gramstown	South Africa		
Gran Bassa (see Upper Buchanan)	Liberia	5° 54' 40" N 10° 03' 45" W	65 m
Gran Cabilia	Algeria		
Gran Canaria	Canary Islands (Spain)		
Grand Bassa (see Upper Buchanan)	Liberia	5° 54' 40" N 10° 03' 45" W	65 m
Grand Bassa county	Liberia		
Grand Cape Mount county	Liberia		
Grand Casablanca (former) region	Morocco		
Grand Comoro	Comoro Islands	11° 35' 00" S 43° 20' 00" E	
GrandPC:GC|)	Comoro Islands	11° 41' 26" S 43° 19' 19" E	
Grand ebouli de Lemera (see Itombwe)	Congo (Democratic Republic of the)	4° 04' 00" S 28° 40' 00" E	
Grand Gedeh county	Liberia		
Grand Kru county	Liberia		
Grand Lapin (?)	Liberia		
Grand Port district	Mauritius		
Grande Anse	Seychelle Islands	4° 19' 00" S 55° 43' 00" E	
Grande Caverne du Djebel Moussa (see Great Cave (Jebel Moussa))	Morocco	35° 53' 52" N 5° 24' 44" W	
GrandPC:GC|)	Comoro Islands	11° 41' 26" S 43° 19' 19" E	
GrandPC:GC|)	Comoro Islands	11° 41' 26" S 43° 19' 19" E	
Grande forêt de l'Est (see Great forest of the East)	Madagascar		
Grande Lac, 12 km SW Joffreville (see also: Joffreville, 12 km SW)	Madagascar	12° 34' 59" S 49° 08' 55" E	
Grande River (see Río Grande)	Equatorial Guinea	ca. 3° 23' 03" N 8° 44' 16" E	
Grand-Popo (see also: Ghola, Great Popo, Groß-Popo, Kpla)	Benin	6° 19' 00" N 1° 57' 00" E	63 m
Grands Ponts region	Côte d'Ivoire		
Granite Hills, Mombaso Road (see Eldoinyo Lengamlo), 96 mi from Nairobi	Kenya	2° 10' 00" S 37° 33' 00" E	
Grara	Ethiopia	12° 21' 00" N 35° 44' 00" E	560 m
Graspan, Farm 60 (see Farm Graspan 60), Kroonstad	South Africa	27° 48' 00" S 26° 58' 00" E	
Grassfield (see also: Grassfield forest, Grassfield savanna, Grassfields, Lamco Headquarters Camp, Nimba)	Liberia	7° 29' 20" N 8° 34' 15" W	530 m
Grassfield forest (see Grassfield)	Liberia	7° 29' 20" N 8° 34' 15" W	530 m
Grassfield savanna (see Grassfield)	Liberia	7° 29' 20" N 8° 34' 15" W	530 m
Grassfields (see Grassfield)	Liberia	7° 29' 20" N 8° 34' 15" W	530 m
Graua (see Girawa)	Ethiopia	9° 07' 59" N 41° 50' 20" E	
Gravelotte Mine, Phalaborwa / Letaba	South Africa	23° 57' 00" S 30° 37' 00" E	
Grawa (see Girawa)	Ethiopia	9° 07' 59" N 41° 50' 20" E	
Great Brukoros Mountains	Namibia		

Great Cave (Jebel Moussa) (see also: Grande Caverne du Djebel Moussa)	Morocco		35° 53' 52" N 5° 24' 44" W	
Great forest of the East (see also: Grande forêt de l'Est)	Madagascar			
Great Forest of the East (see Konakry)	Madagascar			
Great Karas Mountains	Namibia			
Great lakes area	East Africa			
Great Nanakru (see Nanakru)	Liberia		4° 49' 50" N 8° 43' 34" W	66 m
Great Nanna Kru (see Nanakru)	Liberia		4° 49' 50" N 8° 43' 34" W	66 m
Great Ombathu	Namibia		17° 46' 00" S 13° 43' 00" E	
Great Pangani Falls (see Pangani Falls)	Tanzania		5° 21' 00" S 38° 39' 00" E	
Great Popo (see Grand-Popo)	Benin		6° 19' 00" N 1° 57' 00" E	63 m
Great Pyramid	Egypt		29° 58' 00" N 31° 07' 00" E	
Great Ruaha River	Tanzania		7° 56' 00" S 37° 50' 00" E	
Great Sopo (see also: Great Soppo Forest)	Cameroon		4° 09' 17" N 9° 14' 34" E	824 m
Great Soppo Forest (see Great Sopo)	Cameroon		4° 09' 17" N 9° 14' 34" E	824 m
Great Zimbabwe [ruins], 25 km SE Fort Victoria (see also: Fort Victoria, 25 km SE, Garden Cave, Zimbabwe Ruins)	Zimbabwe		20° 17' 00" S 30° 56' 00" E	
Greater Accra region	Ghana			
Greater Sekhujhune district (see Sekhukhune district)	South Africa			
Greater St. Lucia Wetland Park (see Eastern Shores State Forest)	South Africa		28° 11' 00" S 32° 29' 00" E	
Greefswald [=Mapungubwe] (see Farm Greefswald 37MS), 75 km W Messina	South Africa		22° 12' 00" S 29° 23' 00" E	
Greefswald, Farm 37MS (see Farm Greefswald 37MS), 67 km W Messina; Shashi-Limpopo confluence	South Africa		22° 12' 00" S 29° 23' 00" E	
Green River, 5.2 km S, 9.6 km W King William's Town (see also: King William's Town, 5.2 km S, 9.6 km W)	South Africa		32° 55' 00" S 27° 18' 00" E	400 m
Greendale	Zimbabwe		17° 48' 51" S 31° 07' 38" E	
Greenpoint Lighthouse	South Africa		30° 14' 57" S 30° 46' 38" E	
Greenville (see also: Sino, Sinoe, Sinu, Sinu Village)	Liberia		5° 00' 40" N 9° 02' 20" W	0 m
Greenwood Park	South Africa		29° 47' 00" S 31° 01' 00" E	
Grewa (see Girawa)	Ethiopia		9° 07' 59" N 41° 50' 20" E	
Greytown	South Africa		29° 06' 36" S 30° 36' 36" E	1015 m
Greyville	South Africa		29° 50' 29" S 31° 00' 56" E	
Griekwastad, 25 km NNE (see Farm Brakfontein)	South Africa		28° 41' 00" S 23° 22' 00" E	
Griffin mine, Phalaborwa-Leydsdorp	South Africa		23° 59' 00" S 30° 31' 00" E	
Groedehoop, Farm (see Farm Groedehoop)	South Africa		27° 52' 00" S 30° 55' 00" E	1050 m
Groendal Staatsbos, 10 km WNW Uitenhage (see also: Groendal Wilderness Area, Uitenhage, 10 km WNW)	South Africa		33° 42' 00" S 25° 14' 00" E	
Groendal Wilderness Area (see Groendal Staatsbos), 10 km WNW Uitenhage	South Africa		33° 42' 00" S 25° 14' 00" E	
Groenkloof, Pretoria	South Africa		25° 48' 00" S 28° 12' 00" E	
Grombalia (see also: Grombalic, Quaranbaliyah, Quranbaliyah, Qurunbaliyah)	Tunisia		36° 35' 59" N 10° 29' 59" E	57 m
Grombalia, 10 km W (see also: Hadjeb el Aïoun pool, near, Hadjeb el Aïoune pool, near)	Tunisia		36° 35' 59" N 10° 23' 17" E	
Grombalic (see Grombalia)	Tunisia		36° 35' 59" N 10° 29' 59" E	57 m
Groot Bruckaros (see Brukkaros, mount)	Namibia		25° 52' 00" S 17° 48' 00" E	
Groot Brukaros (see Brukkaros, mount)	Namibia		25° 52' 00" S 17° 48' 00" E	
Groot Marico, 8 km SE (see Farm Ferndale)	South Africa		25° 38' 00" S 26° 24' 00" E	
Groot River, near Knysna	South Africa	ca.	34° 00' 00" S 23° 00' 00" E	
Groot Suikerboschkop, Farm 124 (see Farm Groot Suikerboschkop 124), Dullstroom	South Africa		25° 24' 36" S 30° 06' 00" E	
Groot Waterberg Platopark (see Waterberg Platopark)	Namibia		20° 25' 00" S 17° 15' 00" E	
Groote Drift, Farm (see Farm Groote Drift), SE Elandsbaai, Piketburg	South Africa		32° 26' 00" S 18° 27' 00" E	10 m
Grootfontein (see also: Groutfontein)	Namibia		19° 34' 00" S 18° 06' 00" E	1250 m
Grootfontein and Okavango Regions	Namibia		18° 41' 00" S 19° 00' 00" E	1200 m
Grootfontein district (see Tsumkwe district)	Namibia		19° 35' 00" S 18° 00' 00" E	
Grootfontein, 40 km WNW (see Farm Ghaub 47)	Namibia			
Grootfontein, Farm (see Farm Grootfontein), 9 (or 19?) km SW Reivilo	South Africa		27° 39' 00" S 24° 00' 00" E	
Groothoek, Farm 99 (see Farm Groothoek 99), 25 km ESE Potgietersrus	South Africa		24° 21' 00" S 29° 07' 48" E	
Grootkloof, near Magaliesburg	South Africa		25° 10' 35" S 27° 05' 53" E	
Grootkloof, Magaliesburg	South Africa		25° 10' 00" S 27° 06' 00" E	

Grootsuikerboschkop, Farm & Elandslaagte, Farm (see Farms Grootsuikerboschkop & Elandslaagte), Dullstroom	South Africa	ca.	25° 24' 00" S 30° 06' 00" E	
Grootsuikerboschkop, Farm 124 (see Farm Groot Suikerboschkop 124), Dullstroom	South Africa		25° 24' 36" S 30° 06' 00" E	
Grootvadersbosch, Montagu / Swellendam	South Africa		33° 50' 00" S 20° 53' 00" E	
Grootvadersbosch Forest Reserve, 22 km NW Heidelberg (see also: Heidelberg, 22 km NW)	South Africa		34° 02' 00" S 20° 46' 00" E	
Gross Barmen	Namibia		22° 06' 00" S 16° 45' 00" E	1218 m
Groß-Popo (see Grand-Popo)	Benin		6° 19' 00" N 1° 57' 00" E	63 m
Grotte aux chauves-souris (see Bat cave)	Tunisia		37° 05' 00" N 11° 03' 00" E	
Grotte aux Chauves-souris (see Bat Cave)	Mauritania	ca.	19° 45' 00" N 14° 25' 00" W	
Grotte Boribe	Madagascar		13° 00' 00" S 49° 00' 00" E	
Grotte d'Androimpano	Madagascar		24° 39' 01" S 43° 57' 48" E	110 m
Grotte d'Ambahibe (see Ambahibe cave), 2 km W Mahamasina	Madagascar		12° 58' 04" S 49° 07' 14" E	80 m
Grotte d'Ambanilia, 3.7 km SSE Sarodrano (see also: Ambanilia cave, Sarodrano, 3.7 km SSE)	Madagascar		23° 32' 24" S 43° 46' 01" E	
Grotte d'Ambatoharanana (see Ambatoharanana cave)	Madagascar		12° 59' 18" S 49° 01' 18" E	20 m
Grotte d'Amdroimpano, 4.2 km NE Itampolo (village), on road to Ejeda (see also: Amdroimpano cave, Itampolo, 4.2 km NE, on old road to Ejeda)	Madagascar		24° 39' 01" S 43° 57' 48" E	110 m
Grotte d'Andakaty (see Andakaty, cave), 2.9 km N Betsiaka, Foret d'Andavakoera	Madagascar		13° 07' 47" S 49° 14' 02" E	210 m
Grotte d'Andalambeze	Madagascar			
Grotte d'Andalambezo (see Forêt des Mikea (1))	Madagascar		22° 30' 00" S 43° 23' 00" E	15 m
Grotte d'Andrafiabe, 3.5 km ESE Andrafiabe (see also: Andrafiabe cave, Andrafiabe, 3.5 km ESE)	Madagascar	ca.	12° 55' 54" S 49° 03' 24" E	
Grotte d'Andrafiabe, forêt près de (see Analabe, forêt de), 2.6 km E Andrafiabe	Madagascar			50 m
Grotte d'Andranoilovy (see Andranoilovy cave)	Madagascar		24° 03' 00" S 43° 45' 00" E	
Grotte d'Andranomathy (see Andranomathy cave)	Madagascar			
Grotte d'Andranomilitry (see Ihosy (commune rurale)), Ankily	Madagascar		22° 23' 07" S 46° 03' 23" E	950 m
Grotte d'Androbaha (see Androbaha cave), on Onilahy river	Madagascar			
Grotte d'Ango (see Ango cave)	Congo (Democratic Republic of the)		4° 02' 00" N 25° 52' 00" E	610 m
Grotte d'Anjohibe (see Anjohibe Cave), 3.7 km NE Antanamarina	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Grotte d'Anjohikely (south entrance), 1.5 km NE Antanamarina (see also: Anjohikely cave (south entrance), Antanamasina, 1.5 km NE)	Madagascar		15° 33' 39" S 46° 52' 27" E	
Grotte d'Anjohikinakina (see Anjohikinakina cave)	Madagascar		19° 00' 36" S 44° 46' 04" E	
Grotte d'Anjohimbazimba	Madagascar		18° 14' 42" S 44° 42' 58" E	
Grotte d'Anjoky (see Anjoky cave)	Madagascar			
Grotte d'Ankelimahogo (see also: Anjajavy, 18.5 km S, Ankelimahogo cave)	Madagascar		15° 11' 26" S 47° 12' 10" E	50 m
Grotte d'Antsiroandoha	Madagascar		12° 53' 28" S 49° 05' 53" E	
Grotte d'Antsironandoha, Ouest de (see Antsironandoha Cave, west), 10 km NW Mashamasina,	Madagascar		12° 53' 20" S 49° 05' 51" E	100 m
Grotte d'Azigza (see Kef Azigza cave)	Morocco		32° 02' 00" N 3° 47' 00" W	1060 m
Grotte de Banza Nfinda (see Banza Nfinda caves)	Congo (Democratic Republic of the)		5° 16' 00" S 14° 52' 00" E	
Grotte de Baya (see Baya cave)	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
Grotte de Bazaribe (see Bazaribe, cave), 3.6 km SE Menagisy	Madagascar		12° 42' 44" S 49° 28' 25" E	90 m
Grotte de Bébé (see Bébé cave)	Central African Republic	ca.	3° 49' 55" N 17° 50' 45" E	
Grotte de Bekapity (see also: Bekapity cave)	Madagascar		22° 38' 00" S 45° 13' 05" E	
Grotte de Bishiko (see Grotte de Tanambao), 0.75 km E St. Augustin	Madagascar		23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Bisihiko (see Grotte de Tanambao)	Madagascar		23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Bolé (see Bébé cave)	Central African Republic	ca.	3° 49' 55" N 17° 50' 45" E	
Grotte de Buemokolo (see Buemokolo cave)	Comoro Islands		12° 10' 51" S 44° 26' 46" E	
Grotte de Defrenne (see Mwanga cave)	Congo (Democratic Republic of the)		10° 58' 00" S 26° 39' 00" E	
Grotte de Dikuluwe (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers	Congo (Democratic Republic of the)		10° 45' 00" S 25° 22' 00" E	

Grotte de Doumboula (see Doumboula, grotte de)	Congo	4° 15' 00" S 13° 00' 00" E	
Grotte de Faucon (see Faucon Cave)	Gabon	1° 07' 00" N 13° 20' 00" E	
Grotte de Hamapoudre (see Hamapoudre cave), near Mromagi	Comoro Islands	12° 12' 25" S 44° 30' 02" E	230 m
Grotte de Hapira (see Hapira cave), near Limbi along Trondroni River	Comoro Islands	12° 09' 32" S 44° 25' 57" E	270 m
Grotte de Kaboyaboya (see Kaboyaboya cave), near Lubudi, near Kaio rapids, south fork Kapandula river	Congo (Democratic Republic of the)	9° 56' 00" S 25° 58' 00" E	
Grotte de Kakanda (see Kakanda cave), Kolwezi or Haut Katanga province	Congo (Democratic Republic of the)	10° 47' 00" S 26° 36' 00" E	1438 m
Grotte de Kakindo (see Kakondo cave), near SW shore of Lake Kivu	Congo (Democratic Republic of the)	2° 16' 00" S 28° 51' 00" E	
Grotte de Kakondo (see Kakondo cave), near SW shore of Lake Kivu	Congo (Democratic Republic of the)	2° 16' 00" S 28° 51' 00" E	
Grotte de Kakontwe (see Kakontwe cave), Likasi, ca. 8 km S	Congo (Democratic Republic of the)	10° 59' 00" S 26° 38' 00" E	1294 m
Grotte de Kalomoni (see Kakontwe)	Congo (Democratic Republic of the)	10° 59' 00" S 26° 40' 00" E	1294 m
Grotte de Kalumbu (see Kalumbu cave), near Kabolela, near Likasi	Congo (Democratic Republic of the)	10° 51' 00" S 26° 39' 00" E	
Grotte de Kando (see Kando cave)	Congo (Democratic Republic of the)	10° 49' 00" S 26° 07' 00" E	
Grotte de Kasoma (see Kasoma cave)	Congo (Democratic Republic of the)	9° 25' 00" S 26° 37' 00" E	
Grotte de Kasowena (see Kasowena cave)	Congo (Democratic Republic of the)	10° 58' 00" S 26° 39' 00" E	
Grotte de Katana (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Kef Aziza (see Kef Azigza cave)	Morocco	32° 02' 00" N 3° 47' 00" W	1060 m
Grotte de Kef-el-Rhar (see Kef-el-Rhar, cave)	Morocco	34° 28' 48" N 4° 15' 36" W	ca. 500 m
Grotte de Kele 1 (see Kele cave 1)	Congo (Democratic Republic of the)	5° 31' 00" S 14° 36' 00" E	
Grotte de Kiasala (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)	9° 56' 00" S 25° 58' 00" E	1300 m
Grotte de Kibwe Lya Mikako (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)	0° 14' 42" S 29° 01' 00" E	1500 m
Grotte de Kimanika (see also: Kimanika cave, Kimanika, grotte de)	Congo	3° 59' 00" S 14° 25' 00" E	
Grotte de Kimuenza (see Kimuenza cave)	Congo (Democratic Republic of the)	4° 27' 33" S 15° 17' 20" E	
Grotte de Kiwakishi (see Kiamokoto)	Congo (Democratic Republic of the)	9° 10' 00" S 27° 04' 00" E	900 m
Grotte de Kondo (see Kakanda cave)	Congo (Democratic Republic of the)	10° 47' 00" S 26° 36' 00" E	1438 m
Grotte de Kwama Kwama (see Kwama Kwama cave)	Congo (Democratic Republic of the)	1° 19' 00" N 29° 52' 00" E	1200 m
Grotte de Kyantapo (see Kyantapo cave), 30 km SW Lubudi	Congo (Democratic Republic of the)	9° 56' 00" S 25° 58' 00" E	1525 m
Grotte de Kyasala (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)	9° 56' 00" S 25° 58' 00" E	1300 m
Grotte de Lebayi (see Lebayi cave)	Congo	2° 42' 03" S 13° 35' 58" E	
Grotte de Lubuka (see Lubuka cave)	Congo (Democratic Republic of the)	3° 12' 00" S 28° 51' 00" E	
Grotte de Lukatu (see Ntoto cave)	Congo (Democratic Republic of the)	6° 59' 00" S 29° 43' 00" E	827 m
Grotte de Lusolo (see Lusolo grot)	Congo (Democratic Republic of the)	9° 56' 00" S 25° 28' 00" E	
Grotte de Mahysha (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Mahyusha (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Mangamitsano (see Mangamitsano, cave), near RN12, between Bambao and Col de Patsi	Comoro Islands	12° 11' 22" S 44° 28' 40" E	260 m
Grotte de Mani ou grotte de Nkela de Mbumba-Nsi (see Mani cave or Nkela cave or Mbumba-Nsi)	Congo (Democratic Republic of the)	5° 22' 00" S 14° 32' 00" E	
Grotte de Maromandia (see Maromandia)	Madagascar	14° 13' 00" S 48° 05' 00" E	95 m
Grotte de Marondavenoka (see Marondavenoka, cave), 9.4 km N Tolagnaro, near the village of Enato	Madagascar	24° 53' 26" S 46° 59' 14" E	110 m
Grotte de Matounidi (see Mayama)	Congo	3° 50' 50" S 14° 53' 30" E	
Grotte de Matupi (see Matupi cave)	Congo (Democratic Republic of the)	1° 16' 12" N 29° 54' 36" E	3500 ft
Grotte de Maya (see Meya-Nzouari, cave)	Congo	3° 53' 16" S 14° 31' 19" E	
Grotte de M'baya (see Baya cave), near Lubumbashi	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Grotte de Meya.Nzou.Ki (see Meya-Nzouari, cave)	Congo	3° 53' 16" S 14° 31' 19" E	

Grotte de Mitaho, près, 6.5 km NE Efoetse (see also: Efoetse, 6 km NE, Mitaho cave, near)	Madagascar		24° 02' 50" S 43° 45' 09" E	
Grotte de Montembessa (see Montembessa cave)	Congo (Democratic Republic of the)			
Grotte de Mpopola (see Mpopola cave), Haut Lomami or Kolwezi province	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1450 m
Grotte de Mugaba (see Mugaba cave)	Congo (Democratic Republic of the)	ca.	2° 19' 23" S 28° 31' 04" E	
Grotte de Mulonga (see Mulonga cave), near Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	
Grotte de Mulungwishi (see Mulungwishi, cave), near Likasi	Congo (Democratic Republic of the)		10° 46' 58" S 26° 37' 52" E	1366 m
Grotte de Mwanakusu (see Mwanakusu cave)	Congo (Democratic Republic of the)		4° 35' 00" S 27° 08' 00" E	
Grotte de Mwanga (see Mwanga cave), 15 km S Likasi	Congo (Democratic Republic of the)		10° 58' 00" S 26° 39' 00" E	
Grotte de Niangné (Nianié) (see Niangné (Nianié) cave)	Senegal			
Grotte de Niary ou Niasy	Grotte de Niary ou Niasy			
Grotte de Nioumbadjou (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Grotte de Niumbadju (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Grotte de Niumbaju (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Grotte de Nzouani-Muya (see Nzouani-Muya cave)	Central African Republic			
Grotte de Pempere (see Pempere cave), 15 km S Likasi	Congo (Democratic Republic of the)		10° 58' 00" S 26° 47' 00" E	
Grotte de Ras El Oued (see also: Ras El Oued, cave)	Morocco		34° 09' 00" N 4° 00' 00" W	
Grotte de Ribue Lya Mikako (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		0° 14' 42" S 29° 01' 00" E	1500 m
Grotte de Rubindi (see Rubindi)	Burundi		4° 15' 37" S 29° 34' 31" E	997 m
Grotte de Saga Saga (see Saga Saga cave)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1160 m
Grotte de Sakoandrano (see Sakoandrano cave)	Madagascar			
Grotte de Samsa (see Semsa cave)	Morocco		35° 35' 24" N 5° 24' 00" W	114 m
Grotte de Sarodrano (see Sarodrano cave)	Madagascar		23° 30' 37" S 43° 44' 07" E	
Grotte de Sarondrana (see Sarodrano cave)	Madagascar		23° 30' 37" S 43° 44' 07" E	
Grotte de Shimo Kapseta (see Shimo Kapseta cave)	Kenya	ca.	1° 05' 00" N 34° 45' 00" E	2300 m
Grotte de Tanambao, 0.75 km E St. Augustin (see also: Bishiko cave, Bisihiko cave, Grotte de Bishiko, Grotte de Bisihiko, Saint-Augustin, 0.75 km E, St. Augustin, 0.75 km E, Tanambao cave)	Madagascar		23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Tantara, ferme Dethioux (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Grotte de Tazarine (see Tazarine cave)	Morocco		34° 55' 16" N 2° 19' 46" W	
Grotte de Ticufales ou Tieufola (see Ticufales or Tieufola cave)	Mali	ca.	12° 39' 00" N 8° 00' 00" W	
Grotte de Tohbugodunda (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Grotte de Trois Bassin	Réunion		21° 06' 14" S 55° 17' 31" E	
Grotte de Tshamalenge (see Tshamalenge cave)	Congo (Democratic Republic of the)		11° 46' 00" S 26° 30' 00" E	
Grotte de Vintane (see Vintane cave)	Madagascar		24° 42' 08" S 43° 57' 49" E	
Grotte de Yolohotiri (see Yolohotiri cave)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	
Grotte de Zegzel (see Zegzel cave)	Morocco		34° 55' 16" N 2° 19' 46" W	
Grotte de Zié (see Zié cave)	Guinea	ca.	7° 44' 00" N 8° 22' 00" W	
Grotte des chameaux (see Camel cave, valley)	Morocco	ca.	34° 45' 00" N 2° 20' 00" W	1155 m
Grotte des Chauves-souris (see also: Bat cave)	Madagascar		18° 10' 52" S 47° 17' 21" E	1500 m
Grotte des chauves-souris (see Bat Cave), 3 km NW Mahamasima	Madagascar		12° 57' 23" S 49° 07' 05" E	80 m
Grotte des chauves-souris/makis, near Hotel la Mangrove, on Toliara-St. Augustin road (see also: Bat/maki cave)	Madagascar		23° 28' 20" S 43° 46' 14" E	
Grotte des lions (see Lions cave)	Algeria	ca.	36° 24' 00" N 2° 46' 00" E	
Grotte du Marché (see Dalaba)	Guinea		10° 42' 00" N 12° 15' 00" W	1190 m
Grotte du plateau de Kik (see Kik plateau cave)	Morocco	ca.	31° 15' 00" N 8° 10' 00" W	
Grotte du troisième canyon, along Andokotokana river	Madagascar		12° 54' 51" S 49° 03' 20" E	50 m
Grotte du Viaduc (see Viaduc, grotte du)	Congo		4° 15' 00" S 13° 00' 00" E	
Grotte Garrigues, 4 km NE Souguéta (see also: Garrigues, cave, Souguéta, 4 km NE)	Guinea	ca.	10° 10' 23" N 12° 31' 05" W	
Grotte I, ferme Dethioux (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Grotte II, ferme Dethioux (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m

Grotte Swanepoel I (see Swanepoel I cave), near Kambove	Congo (Democratic Republic of the)		10° 50' 00" S 26° 39' 00" E	ca. 1350 m
Grotte Win Timdouine (see Win Timdouine cave)	Morocco		30° 40' 49" N 9° 20' 42" W	
Grottes d'Ambohimirija (see Namoroka)	Madagascar		16° 24' 00" S 45° 17' 00" E	80 m
Grottes d'Andranoboka (see Anjohibe Cave), NCC-1 deposit	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Grottes d'Androhibe (see Anjohibe Cave), NCC-1 deposit	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Grottes d'Anjohibe (see Anjohibe Cave), NCC-1 deposit	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Grottes de Banjan (see Banjan caves)	Congo (Democratic Republic of the)		5° 16' 00" S 14° 53' 00" E	
Grottes de Bémaraha (see Bémaraha caves)	Madagascar	ca.	18° 45' 00" S 44° 50' 00" E	
Grottes de Bushokwe (see Bushokwe caves), Langara	Congo (Democratic Republic of the)	ca.	2° 59' 27" S 28° 55' 29" E	
Grottes de Dethiox (see Kambove)	Congo (Democratic Republic of the)		10° 50' 00" S 26° 39' 00" E	
Grottes de granite d'Angavokely (see Angavokely, granite caves)	Madagascar		18° 55' 00" S 47° 44' 00" E	ca. 1770 m
Grottes de Kasserine (see Kasserine caves)	Tunisia			
Grottes de Massa (see Massa caves)	Gabon		1° 07' 00" N 13° 09' 00" E	
Grottes de N'Kila-N'Tari (see N'Kila-N'Tari caves)	Congo		4° 07' 13" N 13° 51' 10" E	
Grottes de Saint-Augustin (see Saint-Augustin caves)	Madagascar		23° 33' 00" S 43° 46' 00" E	125 m
Grottes de Tabouda (see Tabouda caves)	Tunisia		37° 03' 57" N 11° 01' 53" E	
Grottes d'Hercule (see also: Cuevas d'Hércules, Hercules caves)	Morocco		35° 45' 21" N 5° 56' 16" W	
Grottes Kiwakishi	Congo (Democratic Republic of the)		9° 00' 00" S 27° 12' 00" E	
Grottoes de Bushokwe (see Bushokwe caves), Langara	Congo (Democratic Republic of the)	ca.	2° 59' 27" S 28° 55' 29" E	
Groutfontein (see Grootfontein)	Namibia		25° 01' 00" S 16° 45' 00" E	1250 m
Grummetti (see Gurumeti), Serengeti	Tanzania		2° 05' 00" S 33° 57' 00" E	
Gruta Magochene	Mozambique		21° 22' 00" S 34° 52' 00" E	
Guadalupe, 3 km NW (see Praia das Conchas)	São Tomé and Principé		0° 23' 00" N 6° 37' 00" E	188 m
Guano cave, Storms river mouth, 2 km S	South Africa		34° 02' 00" S 23° 53' 00" E	
Guano Caves, Farm 163 (see Farm Guano Caves 163)	South Africa		33° 49' 58" S 20° 10' 28" E	420 m
Guas Ngishu (see Ongata Onkishu)	Kenya		2° 35' 00" S 37° 05' 00" E	
Guaso Nyiro (see Ewaso Ngi'ro)	Kenya		0° 35' 00" N 37° 32' 00" E	
Guaso Nyiro River (see Ewaso Ngi'ro)	Kenya		0° 35' 00" N 37° 32' 00" E	
Guaso Nyiro, 10 mi [=16 km] SW of river	Kenya	ca.	0° 35' 00" N 37° 32' 00" E	6150 ft
Guaso Nyiro, above confluence with Meru River	Kenya	ca.	0° 35' 00" N 37° 32' 00" E	
Guaso Nyiro, plains near	Kenya		0° 35' 00" N 37° 32' 00" E	
Guaso Nyuki	Kenya	ca.	0° 07' 00" S 37° 14' 00" E	
Gudi, 3 mi [=4.8 km] E, on Mada river	Nigeria	ca.	8° 53' 00" N 8° 16' 00" E	ca. 300 m
Gué de Sambaillou	Senegal		12° 39' 00" N 13° 19' 00" W	
Gué du Damantan	Senegal		12° 59' 00" N 13° 24' 00" W	
Guéboua	Côte d'Ivoire		5° 59' 02" N 5° 41' 21" W	227 m
Guéckédou prefecture	Guinea			
Guelb Moghrein, near Akjout	Mauritania	ca.	19° 45' 00" N 14° 25' 00" W	
Guelma province	Algeria			
Guelmim, Drâ area (see also: Goulimine)	Morocco		28° 59' 02" N 10° 03' 37" W	307 m
Guelmim - Es-Semara (former) region	Morocco			
Guelmim prefecture	Morocco			
Guelmim-Oued Noun region	Morocco			
Guemé (see also: Guené)	Cameroon		10° 30' 30" N 15° 09' 31" E	304 m
Guémon region	Côte d'Ivoire			
Guéné	Benin		11° 44' 00" N 3° 13' 00" E	216 m
Guéné - Nikki road	Benin			
Guené (see Guemé)	Cameroon		10° 30' 30" N 15° 09' 31" E	304 m
Guéra region	Chad			
Guidari, west of Sarh (see also: Gidari)	Chad		9° 16' 08" N 16° 40' 21" E	424 m
Guidéko, Middle Sassandra River basin	Côte d'Ivoire	ca.	5° 55' 00" N 6° 40' 00" W	
Guidimake region	Mauritania			
Guiglo department	Côte d'Ivoire			
Guilherme Capelo (see Cacongo)	Angola		5° 14' 00" S 12° 09' 00" E	0 m
Guinea	Guinea			
Guinea-Bissau	Guinea-Bissau			
Guinee-Maritime, cave (see Coyah)	Guinea		9° 42' 20" N 13° 22' 37" W	95 m
Guja (see Cabo Guja)	Mozambique		23° 44' 28" S 35° 20' 58" E	68 m
Gukstenar	Ghana			
Guli Ba Amba (see Abune Yosef, mountain)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Gullop (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Gulu	Uganda		2° 46' 00" N 32° 18' 20" E	1077 m
Gulu district	Uganda			

Gulube Station, Mpwapwa	Tanzania		6° 27' 00" S 36° 25' 00" E	780 m
Guluene Corridor South	Zimbabwe		21° 52' 00" S 31° 52' 00" E	
Gulwe Station, Mpwapwa	Tanzania		6° 27' 00" S 36° 25' 00" E	780 m
Gumba (see also: Gala)	Congo (Democratic Republic of the)		2° 57' 00" N 21° 26' 00" E	412 m
Gumma valley (see Kerkeri Shet')	Ethiopia		8° 15' 00" N 37° 29' 00" E	
Gundu, mount (see also: Mount Gundu)	Congo (Democratic Republic of the)			
Gunnal	Guinea-Bissau		12° 18' 40" N 15° 47' 22" W	1 m
Guono Cave (see also: Stormsriver Mouth, 2 km S)	South Africa			
Gupata (camp), ca 50 mi [=80 km] NE Zinave (see also: Zinave, ca 50 mi [=80 km] NE)	Mozambique		20° 43' 00" S 34° 30' 00" E	
Gurie (see Dinsho)	Ethiopia		7° 06' 00" N 39° 47' 00" E	
Gurué Tea Plantation	Mozambique		15° 27' 44" S 37° 01' 09" E	1700 m
Gurué, 2.9 km N, 8.9 km E (see Vila Junqueiro, 2.9 km N, 8.9 km E), cave adjacent to Mount Muresi	Mozambique		15° 24' 49" S 37° 04' 28" E	984 m
Gurué, 6 km N, 10.8 km E (see Merrápué)	Mozambique		15° 24' 28" S 37° 04' 30" E	1111 m
Gurué, 7.6 km N, 7.2 km E (see Vila Junqueiro, 7.6 km N, 7.2 km E)	Mozambique		15° 23' 58" S 37° 02' 34" E	1707 m
Gurué, ca 8 km N, 8 km E	Mozambique		15° 23' 58" S 37° 02' 34" E	
Gurumeti, Serengeti (see also: Grummetti)	Tanzania		2° 05' 00" S 33° 57' 00" E	
Gurungwe (Farm)	Zimbabwe		16° 44' 31" S 30° 49' 48" E	
Gutu Mission	Zimbabwe		19° 39' 00" S 31° 13' 00" E	
Guya (see Cabo Guja)	Mozambique		23° 44' 28" S 35° 20' 58" E	68 m
Guyon (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Gwabi lodge, on Kafue river, near Chirundu	Zambia		15° 57' 05" S 28° 51' 41" E	
Gwai Bridge, 6 km W (see Falls road)	Zimbabwe		18° 37' 00" S 27° 06' 00" E	
Gwai Bridge, 6 km W on falls road	Zimbabwe		18° 37' 00" S 27° 06' 00" E	
Gwai River farms (see Volunteer farms), near Gwayi river	Zimbabwe		18° 45' 00" S 27° 20' 00" E	
Gwalali	South Africa		22° 24' 00" S 31° 18' 00" E	219 m
Gwalali Army camp, Limpopo-Levuvhu river confluence	South Africa		22° 24' 00" S 31° 17' 00" E	
Gwanda (see also: Jawunda)	Zimbabwe		20° 56' 00" S 29° 00' 00" E	965 m
Gwando	Cameroon		4° 09' 00" N 9° 12' 00" E	1067 m
Gwarzo	Nigeria		11° 54' 58" N 7° 56' 01" E	608 m
Gwayi River, 1 km N	Zimbabwe		18° 37' 00" S 27° 10' 00" E	
Gwejam province (see Gojam Kifle Hager province)	Ethiopia	ca.	11° 00' 00" N 37° 00' 00" E	
Gwelo (see Gweru)	Zimbabwe		19° 27' 00" S 29° 49' 00" E	
Gwender (see Gonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Gwene Town	Liberia		6° 44' 00" N 11° 03' 00" W	
Gweru (see also: Gwelo)	Zimbabwe		19° 27' 00" S 29° 49' 00" E	
Gwingingwi farm, Mutare	Zimbabwe			
Gwofong, 10 km E (see Gwofong, 10 km E) (see also: Gwofong, 10 km E)	Cameroon		6° 51' 00" N 9° 48' 00" E	
Gwojäb valley, middle (see Gojeb Wenz, middle)	Ethiopia		7° 20' 00" N 37° 21' 00" E	
Gwojjam province (see Gojam Kifle Hager province)	Ethiopia	ca.	11° 00' 00" N 37° 00' 00" E	
Gwonder (see Gonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Gwortapeng village, Lire Payam, Romogi Boma, Sanga stream	South Sudan		3° 55' 09" N 31° 38' 07" E	924 m
Ha Natla	Lesotho		29° 37' 30" S 28° 07' 30" E	
Hacienda Ukomba, near Bata (see also: Ukomba)	Equatorial Guinea	ca.	1° 50' 00" N 9° 45' 00" E	
Hadjeb el Aïoun pool, near (see Grombalia, 10 km W), 4 km NW of GP 3 on MC 77	Tunisia		35° 23' 49" N 9° 32' 44" E	
Hadjeb el Aïoune pool, near (see Grombalia, 10 km W), 4 km NW of GP 3 on MC 77	Tunisia		35° 23' 49" N 9° 32' 44" E	
Hadjer-Lamis region	Chad			
Hadrumetum (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Haenersburg (see Haenertsburg), Georges valley	South Africa		23° 56' 00" S 29° 57' 00" E	1461 m
Haenertsburg, Georges valley (see also: Haenersburg)	South Africa		23° 56' 00" S 29° 57' 00" E	1461 m
Haenertsburg, 10 km SE (see New Agatha State Forest)	South Africa		24° 02' 00" S 30° 05' 00" E	
Haffenden Heights, Farm 35KT (see Farm Haffenden Heights 35KT)	South Africa		24° 07' 00" S 30° 10' 00" E	
Ha-ha, Mogador	Morocco	ca.	31° 30' 00" N 9° 45' 00" W	
Hahaïa, primary school	Comoro Islands		11° 33' 39" S 43° 15' 44" E	15 m
Hahn-Dakar	Senegal		14° 44' 00" N 17° 26' 00" W	
Haho prefecture (see Préfécture de Haho)	Togo		7° 05' 00" N 1° 15' 00" E	
Haima, 28 mi [=45 km] S (see Hoima, 28 mi [=45 km] S)	Uganda	ca.	1° 16' 37" N 31° 18' 20" E	
Hainda (see Haindi)	Liberia		6° 53' 28" N 10° 23' 12" W	135 m
Haindi (see also: Hainda, Hende, Hendi)	Liberia		6° 53' 28" N 10° 23' 12" W	135 m

Hajeb el Aïoun pool, near, 4 km NW of GP 3 on MC 77	Tunisia		35° 23' 49" N 9° 32' 44" E	
Halali, 16 km N, 58 km S Okaukuejo (see also: Halali Camp, Halali Rest Camp, Halali Ruskamp)	Namibia		19° 02' 00" S 16° 28' 00" E	1100 m
Halali Camp (see Halali), 16 km N, 58 km S Okaukuejo	Namibia		19° 02' 00" S 16° 28' 00" E	1100 m
Halali Rest Camp (see Halali), 16 km N, 58 km S Okaukuejo	Namibia		19° 02' 00" S 16° 28' 00" E	1100 m
Halali Ruskamp (see Halali)	Namibia		19° 02' 00" S 16° 28' 00" E	
Half Jack (see Jacqueville)	Côte d'Ivoire		5° 12' 02" N 4° 24' 44" W	81 m
Halwan, near Giza (see also: Helonan, Helouan, Hélouan-les-Bains, Helvan, Helwân, Hilwan, Hulwan, Les Bains)	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Hamapoudre cave, near Mromagi (see also: Grotte de Hamapoudre, Hamapoudre, grotte de)	Comoro Islands		12° 12' 25" S 44° 30' 02" E	230 m
Hamapoudre, grotte de (see Hamapoudre cave), near Mromagi	Comoro Islands		12° 12' 25" S 44° 30' 02" E	230 m
Hamar (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Hambol region	Côte d'Ivoire			
Hamilton Village, near Freetown (see also: Kangbe)	Sierra Leone		8° 22' 55" N 13° 15' 35" W	60 m
Hammam Derradji (see Bulla Regia), 7 km NNW Jendouba	Tunisia		36° 33' 30" N 8° 44' 48" E	
Hammam Djedidi (see Hammam Jedidi)	Tunisia		36° 23' 42" N 10° 23' 07" E	96 m
Hammam Djedidi, mine tunnel	Tunisia		36° 24' 00" N 10° 22' 23" E	
?ammam Jadidi (see Hammam Jedidi)	Tunisia		36° 23' 42" N 10° 23' 07" E	96 m
Hammam Jedidi (see also: Hammam Djedidi, ?ammam Jadidi)	Tunisia		36° 23' 42" N 10° 23' 07" E	96 m
Han, about 25 mi [=40 km] SE, between Kulpawn and Yelibifuo Rivers	Ghana	ca.	10° 15' 00" N 2° 09' 00" W	
Handajega, Serengeti (see also: Handajegu)	Tanzania		2° 15' 00" S 34° 06' 00" E	1200 m
Handajegu (see Handajega), Serengeti	Tanzania		2° 15' 00" S 34° 06' 00" E	1200 m
Handeni district	Tanzania		5° 30' 00" S 38° 00' 00" E	
Hanha	Angola		12° 14' 42" S 13° 42' 49" E	58 m
Haniya, 8 km SSE	Libya		32° 46' 00" N 21° 27' 00" E	
Hanjama, 1 mi [=1.6 km] S	Sierra Leone		7° 57' 00" N 10° 56' 00" W	161 m
Hanjama, 1 mi [=1.6 km] W	Sierra Leone		7° 57' 00" N 10° 56' 00" W	
Hankey district (see Cacadu district)	South Africa			
Hankey,1.3 km N, 3.5 km W	South Africa		33° 49' 13" S 24° 50' 48" E	50 m
Hannington, 3 mi [=4.8 km] W Lake (see Maji Ya Moto)	Kenya		0° 16' 00" N 36° 03' 00" E	1102 m
Hannington, 30 mi [=48 km] SW (see Molo)	Kenya		0° 15' 00" S 35° 44' 00" E	
Hannington, lake (see Bogoria, lake)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Hanover, Uilfontein	South Africa		31° 04' 00" S 24° 27' 00" E	1387 m
Hans Merensky Nature Reserve, Giyani (see also: Hans Merensky Naturreservaat, Letsitele, 30 km NE)	South Africa		23° 41' 00" S 30° 41' 00" E	
Hans Merensky Naturreservaat (see Hans Merensky Nature Reserve), Giyani	South Africa		23° 41' 00" S 30° 41' 00" E	
Hans Strydom Dam Nature Reserve	South Africa		24° 00' 00" S 27° 46' 00" E	
Hapira cave, near Limbi along Trondroni River (see also: Grotte de Hapira, Hapira, grotte de)	Comoro Islands		12° 09' 32" S 44° 25' 57" E	270 m
Hapira, grotte de (see Hapira cave), near Limbi along Trondroni River	Comoro Islands		12° 09' 32" S 44° 25' 57" E	270 m
Happy Thoughts Gold Mine	South Africa		30° 17' 00" S 30° 36' 00" E	
Happy Valley Farm, 16 km S Bulawayo	Zimbabwe		20° 17' 00" S 28° 41' 00" E	
Harairobo, lake (see also: Garairobi, lake, Lake Garairobi, Lake Harairobo)	Ethiopia		8° 19' 00" N 39° 05' 00" E	
Harar (see Harer)	Ethiopia		9° 19' 00" N 42° 07' 00" E	1864 m
Harar People state	Ethiopia			
Harare (see also: Harare Centre, Harare, 19 km NW, Salisbury)	Zimbabwe		17° 49' 04" S 31° 02' 41" E	1480 m
Harare Centre (see Harare)	Zimbabwe		17° 49' 04" S 31° 02' 41" E	1480 m
Harare province	Zimbabwe			
Harare, 19 km NW (see Harare)	Zimbabwe			
Harare, 20 mi [=32 km] N (see Henderson Research Station)	Zimbabwe		17° 37' 12" S 30° 52' 12" E	
Harare, 25 km W (see Lion and Cheetah Park)	Zimbabwe		17° 23' 00" S 31° 17' 00" E	
Harare, 26 km W (see Kilworth Estate)	Zimbabwe		17° 50' 00" S 30° 47' 00" E	
Harare, 70 mi [=113 km] W	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Harbel	Liberia		6° 16' 47" N 10° 20' 51" W	95 m
Hardap region	Namibia			
Hardé 1	Cameroon		10° 35' 41" N 14° 20' 14" E	403 m
Hardé 2	Cameroon		10° 35' 30" N 14° 19' 51" E	422 m
Harenna Forest	Ethiopia		6° 45' 00" N 39° 44' 00" E	2760 m

Harer (see also: Harar, Harrar)	Ethiopia		9° 19' 00" N 42° 07' 00" E	1864 m
Hargeisa (see Hargeysa)	Somalia		9° 35' 00" N 44° 04' 00" E	1277 m
Hargesa (see Hargeysa)	Somalia		9° 35' 00" N 44° 04' 00" E	1277 m
Hargeysa (see also: Hargeisa, Hargesa)	Somalia		9° 35' 00" N 44° 04' 00" E	1277 m
Harisib, near Tsumeb	Namibia		19° 07' 00" S 17° 37' 00" E	
Harkverville Forest	South Africa		34° 02' 59" S 23° 13' 03" E	
Harle (see also: Harle)	Ethiopia		12° 20' 00" N 39° 36' 00" E	1532 m
Harle (see Harle)	Ethiopia		12° 20' 00" N 39° 36' 00" E	1532 m
Harmony, Farm 140KT (see Farm Harmony 140KT)	South Africa		24° 16' 22" S 30° 36' 50" E	
Harold Johnson Nature Reserve, 8.5 km S Mandini (see also: Mandini, 8.5 km S)	South Africa		29° 12' 00" S 31° 25' 36" E	
Harold Porter Botanical Reserve, 0.5 km S, 10.1 km W Kleinmond (see also: Kleinmond, 0.5 km S, 10.1 km W)	South Africa		34° 20' 49" S 18° 55' 33" E	60 m
Haroni-Lusitu Beacon 74	Zimbabwe			
Haroni-Lusitu confluence	Zimbabwe	ca.	20° 01' 00" S 33° 01' 00" E	
Harper (see also: Cape Palmas)	Liberia		4° 22' 30" N 7° 43' 01" W	59 m
Harrar (see Harer)	Ethiopia		9° 19' 00" N 42° 07' 00" E	1864 m
Harre river, near Arba Minch	Ethiopia		6° 03' 00" N 37° 38' 00" E	
Harrena Forest	Ethiopia			
Harrington, lake (see Bogoria, lake)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Harrismith	South Africa		28° 22' 30" S 29° 07' 30" E	
Harrismith district	South Africa		28° 22' 30" S 29° 07' 30" E	
Hartbees Fontein Camp, Kingfisherspruit area	South Africa		24° 23' 56" S 31° 27' 42" E	
Hartbeesfontein, Farm 603 KQ (see Farm Hartbeesfontein 603 KQ)	South Africa		24° 47' 04" S 27° 45' 49" E	1182 m
Hartburg	South Africa			
Hartburg Bambi	South Africa			
Hartebeesfontein, Farm 473 JQ (see Farm Fourwinds)	South Africa		25° 49' 48" S 27° 40' 12" E	
Hartebeespoort dam, 10 mi [=16 km] W (see Kranskop)	South Africa		25° 45' 00" S 27° 51' 00" E	
Hartebeesthoek, Farm (see Farm Hartebeesthoek), 48 km SE Thabazimbi	South Africa		24° 47' 00" S 27° 45' 00" E	
Hartswater	South Africa		27° 46' 00" S 24° 49' 00" E	1124 m
Hassi Fokra	Algeria		30° 09' 20" N 1° 26' 07" W	
Hassi Kalifa (see Hassi Khelifa)	Algeria		33° 35' 00" N 7° 00' 00" E	41 m
Hassi Khelifa (see also: Hassi Kalifa)	Algeria		33° 35' 00" N 7° 00' 00" E	41 m
Hassirik (see Assirik)	Senegal		12° 53' 00" N 12° 43' 00" W	
Hatfield	Zimbabwe		17° 52' 20" S 31° 05' 44" E	
Hatfield, Pretoria	South Africa		25° 44' 48" S 28° 13' 23" E	
Hathaway, Hillcrest, Wishart Road, 26	South Africa		29° 47' 00" S 30° 46' 00" E	
Haubinda	Togo			
Hausberg (see Kloto)	Togo		6° 57' 00" N 0° 34' 00" E	603 m
Haut Katanga province (see also: Upper Katanga province)	Congo (Democratic Republic of the)			
Haut Lomami province (see also: Upper Lomani province)	Congo (Democratic Republic of the)			
Haut Sénégal (see Senegal River, upper)	Senegal			
Haut Tshuapa (see Tshuapa river, upper)	Congo (Democratic Republic of the)		1° 00' 00" S 23° 02' 00" E	
Haut Uele province (see also: Upper Uele province)	Congo (Democratic Republic of the)			
Hautbosdorp, 2 mi [=3.2 km] E (see Houtbosdorp, 2 mi [=3.2 km] E)	South Africa	ca.	23° 48' 55" S 29° 53' 59" E	
Haute Congo	Congo (Democratic Republic of the)			
Haute Kemo (see Kemo River, upper)	Central African Republic	ca.	5° 45' 00" N 19° 45' 00" E	
Haute Zaire	Congo (Democratic Republic of the)			
Haut-Kotto prefecture	Central African Republic			
Haut-Mbomou prefecture	Central African Republic			
Haut-Oggoué province	Gabon			
Haut-Sassandra region	Côte d'Ivoire			
Hauts-Bassins region	Burkina Faso			
Hawash plains	Ethiopia			
Hay, 24.5 km NE (see Farm Brakfontein)	South Africa		28° 41' 00" S 23° 22' 00" E	
Hayyou (see Obock)	Djibouti		11° 57' 47" N 43° 17' 26" E	0 m
Haza Boran	Ethiopia			
Hazelmere Dam	South Africa		29° 35' 00" S 31° 02' 00" E	

Hazelmere Dam Nature Reserve, Durban, Verulam	South Africa		29° 36' 03" S 31° 02' 29" E	
Headquaters	Malawi		15° 03' 00" S 35° 15' 00" E	
Hectorspruit, Nelspruit	South Africa		25° 26' 00" S 31° 41' 00" E	245 m
Hectorspruit, 10 km NE (see Ten Bosch Estates)	South Africa		25° 20' 00" S 31° 50' 00" E	
Hectorspruit, Farm (see Farm Hectorspruit), Barbeton	South Africa		25° 26' 00" S 31° 40' 00" E	
Heidelberg, 16 km W (see Suikerbosrand Nature Reserve)	South Africa		26° 30' 00" S 28° 13' 00" E	1668 m
Heidelberg, 22 km NW (see Grootvadersbosch Forest Reserve)	South Africa		34° 02' 00" S 20° 46' 00" E	
Heilbron, Moscow [274]	South Africa		27° 17' 00" S 27° 58' 00" E	
Hekpoort, Farm (see Farm Hekpoort), Thambazimbi / Witwatersberg	South Africa		24° 44' 00" S 27° 37' 00" E	
Helena, Farm 780 (see Farm Helena 780), Vredefort	South Africa		26° 53' 00" S 27° 23' 00" E	
Helensvale	Zimbabwe		17° 43' 45" S 31° 08' 42" E	1366 m
Heljani (see also: Eljani)	Algeria		35° 42' 00" N 0° 37' 00" W	121 m
Hella Hella Game Reserve (see Hella Hella Game Valley)	South Africa		29° 54' 00" S 30° 05' 00" E	564 m
Hella Hella Game Valley (see also: Hella Hella Game Reserve, Hella-Hella Game Valley Estates)	South Africa		29° 54' 00" S 30° 05' 00" E	564 m
Hella-Hella Game Valley Estates (see Hella Hella Game Valley), Richmond	South Africa		29° 54' 00" S 30° 05' 00" E	564 m
Hellet Nuer	South Sudan		8° 17' 00" N 30° 19' 00" E	
Hells Gate [marine channel] (see also: Hells Gate Military Base)	South Africa		28° 02' 35" S 32° 25' 45" E	39 m
Hells Gate Canyon (see Ololbutot)	Kenya		0° 55' 00" S 36° 19' 00" E	
Hells Gate Military Base (see Hells Gate [marine channel])	South Africa		28° 02' 35" S 32° 25' 45" E	39 m
Hell-Ville (see Andoany)	Madagascar		13° 24' 00" S 48° 16' 00" E	0 m
Hell-Ville, 1.5 km E (see Centre National de Recherches Océanographiques)	Madagascar	ca.	13° 24' 00" S 48° 16' 00" E	
Hell-Ville, 3 km N (see Andoany, 3 km N)	Madagascar	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Helmeringhausen, 70 km W (see Farm Kanaän), Edge of Diamond area nr 2	Namibia		25° 52' 00" S 16° 07' 00" E	
Helmeringshausen	Namibia		25° 53' 00" S 16° 49' 00" E	1390 m
Helonan (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Helouan (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Hélouan-les-Bains (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Helvan (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Helville (see Andoany)	Madagascar		13° 24' 00" S 48° 16' 00" E	0 m
Helville, 3 km N (see Andoany, 3 km N)	Madagascar	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Helwân (see Halwan), near Giza, Wadi Hof	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Hende (see Haindi)	Liberia		6° 53' 28" N 10° 23' 12" W	135 m
Henderson Research Station, 20 mi [=32 km] N Salisbury (see also: Harare, 20 mi [=32 km] N, Salisbury, 20 mi [=32 km] N)	Zimbabwe		17° 37' 12" S 30° 52' 12" E	
Hendi (see Haindi)	Liberia		6° 53' 28" N 10° 23' 12" W	135 m
Hennops River [farmstead], Pretoria-Verwoedburg	South Africa		25° 49' 34" S 27° 59' 05" E	
Hennops River, Farm 489 (see Farm Hennops River 489), Pretoria	South Africa		25° 51' 00" S 27° 58' 00" E	
Hennopsriver, Farm 489 (see Farm Hennopsriver 489), Pretoria	South Africa		25° 50' 00" S 27° 58' 00" E	
Hennopsrivier, Farm 489 (see Farm Hennops River 489), Pretoria	South Africa		25° 51' 00" S 27° 58' 00" E	
Heracleopolis Magna	Egypt		29° 05' 21" N 30° 56' 28" E	37 m
Herakleouspolis Magna	Egypt		29° 05' 21" N 30° 56' 28" E	37 m
Herakleouspolis Megalé	Egypt		29° 05' 21" N 30° 56' 28" E	37 m
Herbertsdale	South Africa		34° 01' 00" S 21° 45' 00" E	100 m
Hercules caves (see Grottes d'Hercule)	Morocco		35° 45' 21" N 5° 56' 16" W	
Herero-land (see Damaraland)	Namibia		21° 00' 00" S 17° 30' 00" E	
Hereroland East	Namibia		20° 45' 00" S 19° 45' 00" E	
Hermitage Farm (see Farm Hermitage), Phalaborwa	South Africa		24° 34' 00" S 31° 24' 00" E	
Hermitagie camp (see Farm Hermitage), Phalaborwa	South Africa		24° 34' 00" S 31° 24' 00" E	
Hermon	Lesotho		29° 44' 00" S 27° 07' 00" E	1450 m
Herreroland (see Damaraland)	Namibia		21° 00' 00" S 17° 30' 00" E	
Hersneh	Egypt			
Hertzogville (see Boshof)	South Africa		28° 33' 00" S 25° 14' 00" E	1254 m
Hesperides (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Hester Malan Nature Reserve (see Hester Malan Veldblomreservaat)	South Africa		29° 40' 00" S 18° 02' 00" E	1100 m
Hester Malan Veldblomreservaat (see also: Hester Malan Nature Reserve, Hester Malan Wild Flower Reserve, Springbok, 10.0 km E)	South Africa		29° 39' 00" S 17° 59' 00" E	1100 m
Hester Malan Wild Flower Reserve (see Hester Malan Veldblomreservaat)	South Africa		29° 40' 00" S 18° 02' 00" E	1100 m
Het Kruis	South Africa		32° 36' 00" S 18° 45' 00" E	100 m

Hex River Estates, 10 mi [=16 km] N Citrusdal (see also: Citrusdal, 10 mi [=16 km] N)	South Africa		33° 28' 00" S 18° 59' 00" E	200 m
Hexrivier, Farm 405 (see Farm Hexrivier 405)	South Africa		29° 39' 00" S 26° 10' 00" E	
Hhohho region	Swaziland			
Hiabisa (see Hlabisa)	South Africa		28° 08' 00" S 31° 52' 00" E	460 m
Hiaraka, Masoala, Baie d'Antongil	Madagascar		15° 29' 00" S 49° 54' 00" E	
Hierakopolis	Egypt		29° 05' 21" N 30° 56' 28" E	37 m
High Fanjahira, valley (see also: Evondro, Saka-Ivondro?)	Madagascar			
Highbury Farm	South Africa		32° 35' 00" S 27° 41' 00" E	600 m
Highlands (see also: Highlands Estate)	Zimbabwe		17° 47' 41" S 31° 06' 31" E	
Highlands Estate (see Highlands)	Zimbabwe		17° 47' 41" S 31° 06' 31" E	
Hiiraan region (see also: Hiran region |PC:HI|)	Somalia			
Hilda, Farm [=V.L.NR.] (see Farm Hilda [=V.L.NR.]), 32 km NE Alldays	South Africa		22° 19' 00" S 29° 14' 00" E	
Hilgobbin Dargler	South Africa		29° 25' 00" S 30° 06' 00" E	
Hillary	South Africa		29° 53' 00" S 30° 57' 00" E	
Hillary area, Durban	South Africa		29° 53' 00" S 30° 57' 00" E	115 m
Hillcrest, off Falcon Road	South Africa		29° 46' 00" S 30° 46' 00" E	
Hillside Farm	South Africa		23° 00' 59" S 29° 47' 14" E	1190 m
Hilltown	Liberia		6° 13' 00" N 10° 20' 00" W	
Hilton, Pietermartzburg (see also: Hilton Railway tunnel)	South Africa		29° 31' 00" S 30° 18' 00" E	1140 m
Hilton Railway tunnel (see Hilton), Pietermaritzburg	South Africa		29° 31' 00" S 30° 18' 00" E	1140 m
Hilwan (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
?imâr, Shallâl al (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
Himeville	South Africa		29° 45' 00" S 29° 30' 00" E	1579 m
Himeville, 45 km N (see Lotheni Nature Reserve)	South Africa		29° 27' 00" S 29° 32' 00" E	1580 m
Hindaw	Egypt	ca.	25° 29' 00" N 28° 59' 00" E	
Hippo Valley	Zimbabwe		21° 10' 00" S 31° 33' 00" E	
Hippopotamus Campside, Faro river	Cameroon	ca.	8° 23' 00" N 12° 48' 00" E	
HiranPC:HI|)	Somalia			
Hirna	Ethiopia		9° 13' 00" N 41° 06' 00" E	
Hirna and Deder, between	Ethiopia	ca.	9° 20' 00" N 41° 16' 00" E	
Hlabeni Forest Reserve, 15 km W Donnybrook (see also: Donnybrook, 15 km W)	South Africa		29° 57' 00" S 29° 46' 00" E	1318 m
Hlabisa (see also: Hiabisa)	South Africa		28° 08' 00" S 31° 52' 00" E	460 m
Hlabisa, 6 km NNE (see Dukuduku State Forest)	South Africa		28° 23' 00" S 32° 19' 00" E	
Hlane National Park	Swaziland		26° 16' 00" S 31° 53' 00" E	280 m
Hlanganini dam (see Nhlanganini dam), 11 km SW Letaba	South Africa		23° 55' 18" S 31° 31' 05" E	
Hlatikulu	Swaziland		26° 58' 00" S 31° 19' 00" E	1114 m
Hlatikulu Forest Reserve	South Africa		27° 19' 25" S 31° 59' 21" E	658 m
Hluhluwe Game Reserve (see also: Hluhluwe Reserve, Hluhluwe Wildtuin)	South Africa		28° 05' 00" S 32° 05' 00" E	
Hluhluwe Research camp	South Africa		28° 04' 00" S 32° 02' 00" E	
Hluhluwe Reserve (see Hluhluwe Game Reserve)	South Africa		28° 05' 00" S 32° 05' 00" E	
Hluhluwe Village, 5 km S (see Bonamanzi Game Reserve)	South Africa		28° 06' 00" S 32° 18' 00" E	63 m
Hluhluwe Wildtuin (see Hluhluwe Game Reserve)	South Africa		28° 05' 00" S 32° 05' 00" E	
Hluhluwe-Imfolozi Game Reserve	South Africa		28° 05' 00" S 32° 05' 00" E	
Hluhluwe-Imfolozi Park, HQ	South Africa		28° 04' 08" S 32° 02' 02" E	
Hluleka Nature Reserve, 17.5 km N, 14.4 km E Coffee Bay (see also: Coffee Bay, 17.5 km N, 14.4 km E)	South Africa		31° 49' 31" S 29° 18' 13" E	10 m
Hlumi Nature Reserve	Swaziland			
Ho	Ghana		6° 36' 00" N 0° 28' 00" E	153 m
Hoanib R., floodplain	Namibia		19° 23' 00" S 13° 06' 00" E	
Hoble	Tunisia		37° 03' 00" N 11° 01' 00" E	
Hodh ech Chargui region	Mauritania			
Hodh el Gharbi region	Mauritania			
Hoed [farmstead] (see Hoedspruit [farmstead]), Phalaborwa	South Africa		24° 26' 00" S 31° 02' 00" E	
Hoedspruit [farmstead], Phalaborwa (see also: Hoed [farmstead])	South Africa		24° 26' 00" S 31° 02' 00" E	
Hoey's Bridge, 18 mi [=29 km] SE Kitale (see also: Kitale, 18 mi [=29 km] SE, Moi's bridge)	Kenya		0° 52' 34" N 35° 07' 13" E	1822 m
Hoey's Bridge, near, 18 mi [=29 km] SW Kitale, Cherangani Hills	Kenya	ca.	0° 52' 34" N 35° 07' 13" E	200 m
Hoggar plateau	Algeria			
Hohewarte, Farm (see Farm Hohewarte)	Namibia		22° 38' 29" S 17° 24' 30" E	
Hoima district	Uganda			
Hoima, 28 mi [=45 km] S (see also: Haima, 28 mi [=45 km] S)	Uganda	ca.	1° 16' 37" N 31° 18' 20" E	
Hoja Wajeer (see also: Ola Uager, Uaiore, Wayore)	Somalia		1° 14' 00" N 41° 32' 00" E	4 m

Hollebaks Strandfontein, 10.2 km S, 26.3 km W Vredendal (see also: Vredendal, 10.2 km S, 26.3 km W)	South Africa		31° 45' 18" S 18° 13' 52" E	50 m
Homa Bay county	Kenya	ca.	0° 30' 00" S 34° 30' 00" E	ca. 1524 m
Homa, mont (see Hoyo, mount)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Homa, Mount (see also: Mount Homa)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	
Homar, Shellal el (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
Homestake [mine] (see The Homestead [mine]), Esigodini	Zimbabwe		20° 12' 00" S 28° 54' 00" E	
Homestead [mine] (see The Homestead [mine]), Esigodini	Zimbabwe		20° 12' 00" S 28° 54' 00" E	
Honingkloof Farm	South Africa		28° 30' 41" S 28° 42' 44" E	
Hoopstad, Sandveld Nature Reserve	South Africa		27° 50' 00" S 25° 55' 00" E	1240 m
Hopefield (see also: WCNP, Bottelary)	South Africa		33° 04' 00" S 18° 21' 00" E	56 m
Hopefield (see Hopefield Estate)	South Africa		28° 37' 11" S 23° 19' 46" E	1532 m
Hopefield Estate (see also: Hopefield)	South Africa		28° 37' 11" S 23° 19' 46" E	1532 m
Hopefield mine (see Elandsfontein Phosphate mine)	South Africa		33° 05' 46" S 18° 11' 59" E	
Hopefield, 16 km N (see Farm Kersefontein)	South Africa		32° 54' 13" S 18° 19' 51" E	
Hora Abaita (see Abiyata Hayk')	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
Hora Abgiata (see Abiyata Hayk')	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
Hora Abgiate (see Abiyata Hayk')	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
Hora Abyata (see Abiyata Hayk')	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
Horo, in old mine drive	Swaziland		25° 45' 00" S 31° 25' 00" E	344 m
Horo	South Africa		25° 37' 00" S 31° 22' 00" E	
Hostes Nicoll Research Institute (see also: Hostes Nicolle Institute, Hostes Nicolle Institute of Wildlife Research)	Zimbabwe		18° 10' 00" S 28° 13' 00" E	
Hostes Nicolle Institute (see Hostes Nicoll Research Institute)	Zimbabwe		18° 10' 00" S 28° 13' 00" E	
Hostes Nicolle Institute of Wildlife Research (see Hostes Nicoll Research Institute)	Zimbabwe		18° 10' 00" S 28° 13' 00" E	
Hostes Nicolle Institute, near, Sebungwe; Sengwa river	Zimbabwe		18° 09' 00" S 28° 12' 00" E	
Hot Spring	Namibia		22° 37' 00" S 17° 07' 00" E	
Hotazel, 15 km WNW (see Farm Olivewood 284)	South Africa		27° 12' 00" S 22° 48' 00" E	
Hotel Jardin du Roi, 10.5 km SW Ranohira (see also: Ranohira, 10.5 km SW)	Madagascar	ca.	22° 38' 44" S 45° 19' 08" E	
Hotel Media Luna, near Bata International Airport	Equatorial Guinea	ca.	1° 54' 00" N 9° 48' 00" E	
Hotel Mizao	Cameroon		10° 35' 59" N 14° 18' 44" E	403 m
Houareau passe (see East Channel, E shore)	Seychelle Islands	ca.	9° 22' 00" S 46° 27' 00" E	
Houet province	Burkina Faso			
H_oumbouli (see Ambouli)	Djibouti		11° 34' 10" N 43° 08' 12" E	9 m
Hout Bay (see Houtbaai)	South Africa		34° 04' 00" S 18° 22' 00" E	
Houtbaai (see also: Hout Bay)	South Africa		34° 04' 00" S 18° 22' 00" E	
Houtboschdorp, 2 mi [=3.2 km] E (see Houtbosdorp, 2 mi [=3.2 km] E)	South Africa	ca.	23° 48' 55" S 29° 53' 59" E	
Houtbosdorp, 2 mi [=3.2 km] E (see also: Hautbosdorp, 2 mi [=3.2 km] E, Houtboschdorp, 2 mi [=3.2 km] E)	South Africa	ca.	23° 48' 55" S 29° 53' 59" E	
How…, Eastern Zaire	Congo (Democratic Republic of the)			
Howell Davies Cave (see Farm Modderfontein), 24 km SE Potgietersrus	South Africa		24° 20' 00" S 29° 12' 00" E	
Howick (see also: Howick Village)	South Africa		29° 28' 00" S 30° 14' 00" E	
Howick Village (see Howick)	South Africa		29° 28' 00" S 30° 14' 00" E	
Howick, 13 mi [=21 km] from (see Karkloof Forests)	South Africa		29° 24' 00" S 30° 17' 00" E	
Hoya River Camp, Muzarabani Communal Land	Zimbabwe		16° 27' 00" S 31° 29' 00" E	
Hoyo, mount (see also: Homa, mont, Mont Hoyo, Mount Homa, Mount Hoyo)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
HQ, W bank Kaba river (see also: Fintonia, 5.8 km E)	Sierra Leone		9° 40' 00" N 12° 10' 00" W	
Huambo (see also: Nova Lisboa)	Angola		12° 46' 34" S 15° 44' 21" E	1721 m
Huambo province	Angola			
Huhea cave	South Africa		22° 56' 14" S 30° 06' 21" E	
Huila	Angola		15° 04' 00" S 13° 32' 00" E	1693 m
Huila province	Angola			
Huki	Cameroon			
Hulwan (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Humane Ranch	Zimbabwe		20° 31' 00" S 32° 16' 00" E	411 m
Humansdorp, 1.0 km N, 80.1 km W (see Storms River Mouth)	South Africa		34° 01' 05" S 23° 54' 19" E	50 m
Humansdorp, 82 km W (see Stormsrivier-Bosreservaat)	South Africa		33° 57' 00" S 23° 50' 00" E	

Humbe (see also: Humbe Mutano, Mutano)	Angola		16° 41' 00" S 14° 54' 00" E	116 m
Humbe Mutano (see Humbe)	Angola		16° 41' 00" S 14° 54' 00" E	116 m
Humia [river] (see Humiya [river])	Uganda		0° 46' 00" N 30° 02' 00" E	
Humiya [river] (see also: Humia [river])	Uganda		0° 46' 00" N 30° 02' 00" E	
Humpata (see also: São Januaria, São Januaria da Humpata)	Angola		15° 01' 00" S 13° 23' 00" E	6300 ft
Hunter's Lodge (see also: Nairobi - Mombasa road, 150 km along)	Kenya		2° 12' 41" S 37° 42' 55" E	1067 m
Hunter's Lodge, near, 150 km along Nairobi - Mombasa road	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	
Hunyani Dam	Zimbabwe	ca.	17° 53' 00" S 30° 46' 00" E	
Hurghada (see Al Ghardaqah)	Egypt		27° 08' 00" N 33° 50' 00" E	
Hurghada, 20 km S	Egypt	ca.	27° 08' 00" N 33° 50' 00" E	
Hutted camp, Port Shepstone	South Africa		30° 43' 00" S 30° 16' 00" E	
Huwi Private Nature Reserve	South Africa		23° 45' 00" S 27° 50' 00" E	
Huxe (see Uche)	Angola		12° 43' 15" S 13° 18' 33" E	93 m
Hwange (see Hwange National Park)	Zimbabwe		19° 10' 00" S 26° 30' 00" E	914 m
Hwange (see Wankie Tribal Trust Land), 15 mi E Dett	Zimbabwe		18° 10' 00" S 26° 45' 00" E	3000 ft
Hwange National Park (see also: Hwange, Robins Game Reserve, Wankie Game Reserve, Wankie National Park)	Zimbabwe		19° 10' 00" S 26° 30' 00" E	914 m
I.D.E.R.T.	Côte d'Ivoire		5° 20' 00" N 4° 07' 00" W	
Ianantsony, 17 mi [=27 km] S Tulear (see also: Saint-Augustin)	Madagascar		23° 33' 00" S 43° 46' 00" E	125 m
Ianzoni	Kenya		1° 41' 00" S 37° 19' 00" E	1738 m
Iavello, 25 km N (see Yabelo, 25 km N)	Ethiopia		5° 03' 00" N 38° 12' 00" E	
Ibadan	Nigeria		7° 23' 16" N 3° 53' 47" E	237 m
Ibadan University College, Ibadan University College (see also: Lagos, University, University of Lagos)	Nigeria		7° 23' 16" N 3° 53' 47" E	237 m
Ibambi (see also: Dambi, Idambi)	Congo (Democratic Republic of the)		2° 22' 00" N 27° 37' 00" E	687 m
Ibanda, Mtambo village	Malawi		9° 43' 32" S 33° 24' 27" E	
Ibanda district	Uganda			
Ibba (see Tonj)	South Sudan		7° 16' 24" N 28° 41' 02" E	427 m
Ibdakane valley (see Ibdekkene valley), 30 km N Kidal	Mali	ca.	18° 45' 00" N 1° 25' 00" E	
Ibdekène valley (see Ibdekkene valley), 30 km N Kidal	Mali	ca.	18° 45' 00" N 1° 25' 00" E	
Ibdekkene valley (see also: Ibdakane valley, Ibdekène valley, Kidal, 30 km N, Oued Ibdeken, Oued Ibdekken, Vallée de l'Ibdekène)	Mali	ca.	18° 45' 00" N 1° 25' 00" E	
Ibebero	Congo (Democratic Republic of the)			
Ibembo	Congo (Democratic Republic of the)		2° 38' 00" N 23° 37' 00" E	420 m
Ibity Massif (see also: Bity Massif)	Madagascar		20° 07' 00" S 47° 01' 00" E	
Ibo	Mozambique		14° 59' 00" S 40° 41' 00" E	
Idambi (see Ibambi)	Congo (Democratic Republic of the)		2° 22' 00" N 27° 37' 00" E	687 m
Ideles, 20 km N (see Oued Igharghar)	Algeria		19° 34' 28" N 5° 53' 46" E	
Idenao, 48 km W Bota (see also: Bota, 48 km W)	Cameroon		4° 15' 51" N 9° 02' 50" E	531 m
Idenau, 48 km W Bota	Cameroon		4° 14' 00" N 8° 59' 00" E	38 m
Idere	Nigeria		7° 29' 00" N 3° 15' 00" E	151 m
Idfina (see also: Cow Shed Royal Farms, Edfina, Rosetta, 8 mi [=12.9 km] SW)	Egypt		31° 17' 37" N 30° 30' 45" E	1 m
Idfu (see also: Appolinopolis Magna, Appolonopolis Manga, Edfou, Edfu, Idfu Bahari, Idfu Bahri)	Egypt		24° 58' 00" N 32° 52' 00" E	86 m
Idfu Bahari (see Idfu)	Egypt		24° 58' 00" N 32° 52' 00" E	86 m
Idfu Bahri (see Idfu)	Egypt		24° 58' 00" N 32° 52' 00" E	86 m
Idi Amin Dada, lake (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Idi Amin Dada, lake (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Idi Amine, lac (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Idjwi, island (see also: Île Idjwi)	Congo (Democratic Republic of the)		2° 09' 00" S 29° 04' 00" E	1600 m
Ifanadiana	Madagascar		21° 18' 00" S 47° 38' 00" E	532 m
Ifanadiana, 6 km SSW	Madagascar		21° 21' 00" S 47° 37' 01" E	500 m
Ifandanana	Madagascar			
Ifandriana (see Fandriana)	Madagascar		20° 14' 00" S 47° 23' 00" E	1463 m

Ife	Nigeria		7° 29' 25" N 4° 33' 07" E	
Ife Botanical Gardens, ca 4 mi [=6.4 km] SW Ife (see also: Ife, ca 4 mi [=6.4 km] SW)	Nigeria	ca.	7° 31' 06" N 4° 31' 41" E	
Ife University, Campus and Conference Center	Nigeria		7° 31' 06" N 4° 31' 41" E	
Ife University Conference Center, ca 5 mi [=8 km] SW	Nigeria	ca.	7° 31' 27" N 4° 31' 52" E	
Ife, ca 4 mi [=6.4 km] SW (see Ife Botanical Gardens)	Nigeria	ca.	7° 31' 06" N 4° 31' 41" E	
Iffou region	Côte d'Ivoire			
Ifon	Nigeria		6° 55' 27" N 5° 46' 34" E	162 m
Ifrane	Morocco		33° 32' 00" N 5° 06' 00" W	1713 m
Ifrane prefecture	Morocco			
Igala Native Area Number 1 (see Okura Iyale Forest Reserve)	Nigeria		7° 34' 09" N 7° 17' 35" E	
Igale (see Itale)	Tanzania		9° 16' 00" S 33° 19' 00" E	1690 m
Igalula	Tanzania		5° 38' 00" S 32° 38' 00" E	1113 m
Iganga district	Uganda			
Igbeti (see also: Igbetti)	Nigeria		8° 44' 57" N 4° 07' 52" E	508 m
Igbetti (see Igbeti)	Nigeria		8° 44' 57" N 4° 07' 52" E	508 m
Igbo-Awra (see Igbo-Ora)	Nigeria		7° 26' 00" N 3° 17' 00" E	148 m
Igbo-Ora (see also: Calabar, Igbo-Awra)	Nigeria		7° 26' 00" N 3° 17' 00" E	
Igela Lagoon (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Igembe, Nyambeni hills	Kenya		0° 15' 00" N 37° 55' 00" E	1460 m
Ighzer cave	Algeria		29° 28' 00" N 0° 18' 00" E	ca. 322 m
Igo Island	Africa, east coast			
Igua Ogwa (see Cape Coast)	Ghana		5° 06' 00" N 1° 15' 00" W	0 m
Iguéla, Lagoon (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Ihema, lake (see also: Lac Ihema, Lake Ihema)	Rwanda		1° 52' 12" S 30° 46' 45" E	
Ihnasiyat al Madinah	Egypt		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madina	Egypt		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madinah	Egypt		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madinah	Egypt		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya el Madîna	Egypt		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasyat al Madinah	Egypt		29° 05' 21" N 30° 56' 28" E	37 m
Ihosy (commune rurale), Ankily (see also: Andranomilitry, cave, Grotte d'Andranomilitry)	Madagascar		22° 23' 07" S 46° 03' 23" E	950 m
Ihosy, 30 km N	Madagascar		22° 23' 00" S 46° 09' 00" E	
Ihounabe	Togo		7° 21' 00" N 0° 55' 00" E	
Ihundu cave (see Ithundu caves)	Kenya		2° 19' 59" S 37° 42' 12" E	
Ihunga-Semliki confluence	Congo (Democratic Republic of the)		0° 10' 00" N 29° 35' 00" E	
Ijara, 100 mi south Garissa (see also: Garissa, 100 mi [=160 km] S)	Kenya		1° 36' 12" S 40° 31' 31" E	52 m
Ijara, 2.5 mi [=4 km] SW	Kenya	ca.	1° 36' 12" S 40° 31' 31" E	225 ft
Ijara, 4.5 mi [=7.2 km] SW	Kenya	ca.	1° 36' 12" S 40° 31' 31" E	
Ijenda Mission	Burundi		3° 39' 00" S 29° 34' 00" E	
Ijoukak (see also: Izoukak)	Morocco		31° 00' 00" N 8° 09' 36" W	1196 m
Ikang	Nigeria		4° 47' 23" N 8° 31' 54" E	19 m
Ikange (see Ikengo)	Congo (Democratic Republic of the)		0° 08' 00" S 18° 08' 00" E	301 m
Ikau	Tanzania			
Ikela	Congo (Democratic Republic of the)		1° 11' 00" S 23° 16' 00" E	425 m
Ikela territory	Congo (Democratic Republic of the)		1° 11' 00" S 23° 16' 00" E	
Ikelenge Pedicle between the Sakeji and Zambezi rivers, approximately 11 km NNE of source of Zambezi river, Kavunda, Mwinilunga district	Zambia		11° 17' 00" S 24° 21' 00" E	1388 m
Ikenge (see Ikengo)	Congo (Democratic Republic of the)		0° 08' 00" S 18° 08' 00" E	301 m
Ikengo (see also: Ikange, Ikenge)	Congo (Democratic Republic of the)		0° 08' 00" S 18° 08' 00" E	301 m
Iketos (see Ikoto), 50 mi SE Torit	South Sudan		4° 04' 42" N 33° 06' 32" E	
Ikhondo Camp	Kenya		0° 21' 08" N 34° 51' 53" E	
Ikingi Mariut (see Ikinji Maryut)	Egypt		30° 59' 33" N 29° 46' 00" E	23 m
Ikingi Maryut (see Ikinji Maryut)	Egypt		30° 59' 33" N 29° 46' 00" E	23 m
Ikinj Maryut (see Ikinji Maryut)	Egypt		30° 59' 33" N 29° 46' 00" E	23 m
Ikinji Maryut (see also: Ikingi Mariut, Ikingi Maryut, Ikinj Maryut)	Egypt		30° 59' 33" N 29° 46' 00" E	23 m
Ikole (see also: Ipole)	Nigeria		7° 47' 23" N 5° 30' 38" E	460 m
Ikoma [hill]	Tanzania		3° 03' 00" S 33° 07' 00" E	

Ikongo (see also: Fort Carhot, Fort Carhot, Fort Carnot, Fort-Carnot)	Madagascar		21° 53' 00" S 47° 26' 00" E	354 m
Ikongo Forest (see also: Forêt d'Ikongo)	Madagascar		21° 53' 11" S 47° 20' 49" E	
Ikot Mbo (see Adiabo Ikot Mbo), Calabar	Nigeria		5° 03' 20" N 8° 19' 31" E	
Ikotmbo (see Adiabo Ikot Mbo), Calabar	Nigeria		5° 03' 20" N 8° 19' 31" E	
Ikoto, 50 mi SE Torit (see also: Iketos, Ikotos, Torit, 50 mi [=80 km] SE)	South Sudan		4° 04' 42" N 33° 06' 32" E	
Ikotos (see Ikoto), 50 mi SE Torit	South Sudan		4° 04' 42" N 33° 06' 32" E	
Ikoyi	Nigeria			
Ikungi, Singida	Tanzania		5° 08' 00" S 34° 46' 00" E	1532 m
Ikuywa river bridge, 6.5 km S, 19 km E Kakamega (see also: Kakamega, 6.5 km S, 19 km E)	Kenya		0° 12' 00" N 34° 54' 00" E	
Il Marodi (see Kalis)	Somalia		8° 26' 00" N 49° 05' 00" E	308 m
Iladyi (see Río Grande)	Equatorial Guinea	ca.	3° 23' 03" N 8° 44' 16" E	
Ilakaka, E of, 220 km NE Tuléar (see also: Toleara, 220 km NE, Tuléar, 220 km NE)	Madagascar		22° 41' 00" S 45° 13' 00" E	769 m
Ilashe, 4 mi [=6.4 km] S (see Iloshi, 4 mi [=6.4 km] S), 6 mi N Ago Shasha	Nigeria	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
Ilé (see Oti (River))	Togo		7° 48' 00" N 0° 08' 00" E	
île aux Serpents (see îles des Madeleines)	Senegal		14° 39' 13" N 17° 28' 16" W	
Île Bamu (see Mbamou Island)	Congo		4° 12' 34" S 15° 25' 06" E	
Île de Djerba (see Île de Jerba)	Tunisia		33° 48' 00" N 10° 54' 00" E	
Île de Jerba (see also: Djerba, Djerba island, Djerbeh, Gerba, Île de Djerba, Isola di Gérba, Jazirat Jarbah, Jerba, Jerba island)	Tunisia		33° 48' 00" N 10° 54' 00" E	
Ile de Kongolo (see Kongolo, island)	Congo (Democratic Republic of the)		0° 03' 00" N 25° 12' 00" E	
Île de La Galite (see La Galite, island), Galita Archipelago	Tunisia		37° 31' 34" N 8° 55' 44" E	
île des Madeleines (see îles des Madeleines)	Senegal		14° 39' 13" N 17° 28' 16" W	
île des Serpents (see îles des Madeleines)	Senegal		14° 39' 13" N 17° 28' 16" W	
île des Serpents (see îles des Madeleines)	Senegal		14° 39' 13" N 17° 28' 16" W	
Île d'Igo	Africa, east coast			
Île Galite (see La Galite, island), Galita Archipelago	Tunisia		37° 31' 34" N 8° 55' 44" E	
Ïle Idjwi (see Idjwi, island)	Congo (Democratic Republic of the)		2° 09' 00" S 29° 04' 00" E	1600 m
Île Mafi (see Mafi, island)	Congo (Democratic Republic of the)		0° 28' 20" N 25° 17' 00" E	
Île Mbamou (see Mbamou Island)	Congo		4° 12' 34" S 15° 25' 06" E	
Île Mbamu (see Mbamou Island)	Congo		4° 12' 34" S 15° 25' 06" E	
Île Mbiye (see Mbiye, island)	Congo (Democratic Republic of the)		0° 27' 50" N 25° 17' 14" E	413 m
Île Mont Bamou (see Mbamou Island)	Congo		4° 12' 34" S 15° 25' 06" E	
iLembe district	South Africa			
îles aux Serpents (see îles des Madeleines)	Senegal		14° 39' 13" N 17° 28' 16" W	
îles de la Madeleine (see îles des Madeleines)	Senegal		14° 39' 13" N 17° 28' 16" W	
îles des Madeleines (see also: île aux Serpents, île des Madeleines, île des Serpents, île des Serpents, îles aux Serpents, îles de la Madeleine, Madeleine, island(s), Snake island(s))	Senegal		14° 39' 13" N 17° 28' 16" W	
Ilesa (see also: Ilesha)	Nigeria		7° 37' 40" N 4° 44' 30" E	508 m
Ilesha (see Ilesa)	Nigeria		7° 37' 40" N 4° 44' 30" E	508 m
Ilha de Formosa (see Formosa Island)	Guinea-Bissau		11° 29' 00" N 15° 58' 00" W	
Ilimba	Congo (Democratic Republic of the)		0° 50' 00" N 29° 58' 00" E	750 m
Ilisham Remo, 1 mi [=1.6 km] SE (see Adventist College of West Africa (ACWA))	Nigeria		6° 53' 42" N 3° 42' 51" E	
Ilishan-Remo	Nigeria		6° 53' 42" N 3° 42' 51" E	74 m
Ilishan-Remo, 1.6 km SE (see Adventist College of West Africa (ACWA))	Nigeria		6° 53' 42" N 3° 42' 51" E	76 m
Illala Sala	Ethiopia		8° 50' 00" N 40° 01' 00" E	
Illizi province	Algeria	ca.	26° 50' 00" N 8° 10' 00" E	
Illovo (see also: Illovo South)	South Africa		30° 05' 42" S 30° 49' 52" E	48 m
Illovo South (see Illovo)	South Africa		30° 05' 42" S 30° 49' 52" E	48 m
Ilolo, near Rungwe	Tanzania		9° 10' 00" S 33° 35' 00" E	1469 m
Ilonga Research and Training Centre	Tanzania		6° 51' 00" S 36° 59' 00" E	
Iloshi, 4 mi [=6.4 km] S, 6 mi N Ago Shasha (see also: Ago Shasha, 6 mi [=9.7 km] N, Ilashe, 4 mi [=6.4 km] S)	Nigeria	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m

Imasindrary (see also: Masindary, Sahamananina)	Madagascar		20° 17' 00" S 47° 31' 00" E	
Imatong, 10 km S Torit	South Sudan		4° 10' 26" N 32° 45' 11" E	
Imatong mountains	South Sudan		4° 06' 00" N 32° 51' 00" E	
Imbaba district	Egypt		30° 03' 52" N 31° 04' 49" E	
Imbala, near Kilosa	Tanzania		6° 51' 00" S 36° 59' 00" E	
Imbo	Burundi		3° 13' 00" S 29° 20' 00" E	
Imbonga	Congo (Democratic Republic of the)		0° 43' 00" S 19° 46' 00" E	364 m
Imerina, forest, E of	Madagascar		20° 32' 00" S 47° 20' 00" E	
Imo state	Nigeria			
Imouzzer du Kandar, 12 km W (see Bir Regaga, Kef Aïssa)	Morocco	ca.	33° 45' 00" N 5° 05' 00" W	
Impala Sanctuary	Kenya		0° 07' 03" S 34° 44' 40" E	
Impenetrable Forest, Kigezi district	Uganda		1° 00' 00" S 29° 40' 00" E	
Imperial mine (see Louw's Creek), Barberton	South Africa		25° 38' 00" S 31° 17' 00" E	380 m
Impfondo (see also: Desbordesville, Imponfo)	Congo		1° 38' 17" N 18° 04' 00" E	326 m
Imponfo (see Impfondo)	Congo		1° 38' 17" N 18° 04' 00" E	326 m
Impriso	Ghana			
Imurok, 20 mi [=32 km] SE Torit (see also: Torit, 20 mi [=32 km] SE)	South Sudan		4° 18' 46" N 32° 23' 28" E	
In Gall (see Ingal)	Niger		16° 47' 10" N 6° 56' 01" E	456 m
In Saleh (see I-n-Salah)	Algeria		27° 11' 00" N 2° 29' 00" E	279 m
Inago, mount (see Mount Inago)	Mozambique		15° 04' 48" S 37° 23' 24" E	ca. 1200 m
Inakiluba (see also: Nakiluba, Nakilubo)	Congo (Democratic Republic of the)		11° 34' 00" S 27° 19' 00" E	1280 m
Inanda Dam	South Africa		29° 42' 01" S 30° 52' 01" E	
Inangongo	Congo (Democratic Republic of the)		0° 33' 00" N 29° 41' 00" E	800 m
Inchiri region	Mauritania			
In-de-Diepte, Farm 164JT (see Farm In-de-Diepte 164JT)	South Africa		25° 43' 00" S 30° 01' 00" E	
Indénié-Djuablin region	Côte d'Ivoire			
Independence Layout (see Enugu-Ezike)	Nigeria		6° 58' 58" N 7° 27' 19" E	508 m
Indian division (see Ndian division)	Cameroon	ca.	4° 50' 00" N 8° 50' 00" E	
Indian Estates	Cameroon			
Inezgane-Ait Melloul prefecture	Morocco			
Ingal (see also: In Gall, In-Gal, I-n-Gall)	Niger		16° 47' 10" N 6° 56' 01" E	456 m
In-Gal (see Ingal)	Niger		16° 47' 10" N 6° 56' 01" E	456 m
Ingalala, near Mahenge	Tanzania		8° 41' 00" S 36° 41' 00" E	
I-n-Gall (see Ingal)	Niger		16° 47' 10" N 6° 56' 01" E	456 m
Ingorima Reserve (see Ngorima Tribal Trust Land), Melsetter district, Manicaland	Zimbabwe		20° 05' 00" S 32° 53' 00" E	
Ingwavuma [ridge]	South Africa		27° 08' 00" S 32° 00' 00" E	
Ingwavuma, Border cave	South Africa		27° 01' 13" S 31° 59' 18" E	527 m
Ingwe Mine, 22 km W Filabusi (see also: Filabusi, 22 km W)	Zimbabwe		20° 37' 00" S 29° 22' 00" E	
Ingwenya, Farm 409SU (see Farm Ingwenya 409SU)	South Africa		27° 20' 00" S 31° 57' 43" E	185 m
Ingwesi Farm, Syringa (see also: Ingwesi Ranch)	Zimbabwe		21° 02' 00" S 27° 58' 00" E	
Ingwesi Ranch (see Ingwesi Farm), Syringa	Zimbabwe		21° 02' 00" S 27° 58' 00" E	
Inhaca Island	Mozambique		26° 01' 00" S 32° 58' 00" E	50 m
Inhaca Island Research Station (see also: Inyoka mountains, Magude, 45 km SW)	Mozambique		26° 02' 17" S 32° 57' 36" E	
Inhambane	Mozambique		23° 51' 54" S 35° 23' 00" E	1 m
Inhambane province	Mozambique			
Inhambane, 29 km S (see Jangamo)	Mozambique		24° 06' 44" S 35° 19' 05" E	18 m
Inhaminga	Mozambique		18° 24' 13" S 34° 59' 45" E	309 m
Inhassano, 39.1 km W (see Malashane cave)	Mozambique		21° 40' 05" S 34° 50' 49" E	
Inhassoro, 38.2 km W (see Chihalatan cave)	Mozambique		21° 40' 16" S 34° 51' 50" E	
Inhumbane	Congo			
Inimvua	Congo (Democratic Republic of the)		4° 35' 00" N 29° 43' 00" E	1061 m
Inkoani	Tanzania			
Inkomati River, Kangwane	South Africa		25° 50' 00" S 32° 45' 00" E	
Inkongo (see Inkongo-Kakese), on Sankuru river	Congo (Democratic Republic of the)		4° 53' 00" S 23° 18' 00" E	400 m
Inkongo-Kakese (see also: Inkongo, Inkongu)	Congo (Democratic Republic of the)		4° 53' 00" S 23° 18' 00" E	400 m
Inkongu (see Inkongo-Kakese)	Congo (Democratic Republic of the)		4° 53' 00" S 23° 18' 00" E	400 m
Inkwazi Training Centre	South Africa		27° 52' 18" S 32° 20' 38" E	60 m
Inongo	Congo (Democratic Republic of the)		1° 57' 00" S 18° 16' 00" E	335 m
Inquibica River bed	South Africa	ca.	32° 49' 00" S 26° 59' 00" E	

I-n-Salah (see also: Aïn Salah, In Saleh)	Algeria		27° 11' 00" N 2° 29' 00" E	279 m
Insizwe Mine, 0.3 km N, 8.9 km W Mount Ayliff (see also: Ayliff, mount, 0.3 km N, 8.9 km W, Mount Ayliff, 0.3 km N, 8.9 km W)	South Africa		30° 48' 13" S 29° 16' 52" E	1140 m
Insuaim (see Oda)	Ghana		5° 55' 00" N 0° 59' 00" W	218 m
Insular region	Equatorial Guinea			
Insusie Valley (see Nsuze river)	South Africa		28° 51' 00" S 31° 02' 00" E	
Insuzi river (see Nsuze river)	South Africa		28° 51' 00" S 31° 02' 00" E	
Insuzi valley (see Jususie valley), Zululand, 20 mi [=32 km] NW Eshowe	South Africa	ca.	28° 36' 00" S 31° 28' 00" E	
Interior of Caffraria	South Africa			
Inverary (see Farm Inverary)	South Africa			
Inwale, Kilwa	Tanzania			
Inyanga (see also: Nyanga)	Zimbabwe		18° 13' 00" S 32° 45' 00" E	1737 m
Inyanga	Congo			
Inyanga National Park (see Rhodes Inyanga National Park)	Zimbabwe		18° 17' 00" S 32° 48' 00" E	
Inyantue (see Inyantue Siding)	Zimbabwe		18° 33' 00" S 26° 40' 00" E	
Inyantue Siding (see also: Inyantue, Nyantue)	Zimbabwe		18° 33' 00" S 26° 40' 00" E	
Inyazura (see Nyazura)	Zimbabwe		18° 43' 00" S 32° 10' 00" E	1219 m
Inyoka mountains (see Inhaca Island Research Station), 45 km SW Magude	Mozambique		22° 45' 21" S 32° 48' 19" E	
Inyokomi (see Inyokoni)	Kenya		1° 47' 00" S 37° 24' 00" E	1853 m
Inyokoni (see also: Inyokomi)	Kenya		1° 47' 00" S 37° 24' 00" E	1853 m
Ioba province	Burkina Faso			
Ipassa	Gabon		0° 30' 00" N 12° 54' 00" E	
Ipassa-Mpassa station, 10 km SW Makokou (see also: Makokou, 10 km SW)	Gabon	ca.	0° 34' 00" N 12° 52' 00" E	
Ipheva camp site, St. Lucia, 2 km N St. Lucia Village (see also: Iphiva Camp, St. Lucia Village, 2 km N)	South Africa		28° 21' 11" S 32° 25' 50" E	20 m
Iphiva Camp (see Ipheva camp site)	South Africa		28° 21' 00" S 32° 25' 00" E	20 m
Ipole (see Ikole)	Nigeria		7° 47' 23" N 5° 30' 38" E	460 m
Iraka landscape	Tanzania			
Iraka landscape (see Mbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Iraku (see Mbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Iran	Iran			
Irangi (see also: Irangi, slightly E of)	Congo (Democratic Republic of the)		1° 54' 00" S 28° 27' 00" E	
Irangi bos (see Irangi Forest)	Congo (Democratic Republic of the)		1° 54' 00" S 28° 27' 00" E	
Irangi Forest (see also: Bukavu, 100 km W, Forêt d'Irangi, Irangi bos)	Congo (Democratic Republic of the)		1° 54' 00" S 28° 27' 00" E	
Irangi, 10 km from (see Tshambutschu)	Congo (Democratic Republic of the)	ca.	1° 58' 00" S 28° 30' 00" E	
Irangi, 2 mi [=3.2 km] from (see Kasiba)	Congo (Democratic Republic of the)	ca.	1° 54' 00" S 28° 27' 00" E	
Irangi, 3 mi [=4.8 km] from, on Irangi - Bukavu road	Congo (Democratic Republic of the)	ca.	1° 54' 00" S 28° 27' 00" E	
Irangi, slightly E of (see Irangi), on road to Bukavu	Congo (Democratic Republic of the)	ca.	1° 54' 00" S 28° 27' 00" E	
Irebu	Congo (Democratic Republic of the)		0° 37' 00" S 17° 45' 00" E	
Irene (see also: Agricultural Research Council [=ARC] grounds, Cave of Death, Irene cave)	South Africa		25° 52' 08" S 28° 12' 59" E	1469 m
Irene cave (see Irene), Pretoria	South Africa		25° 52' 08" S 28° 12' 59" E	1469 m
Irene Farm (see Eirene farm), S of Marandellas	Zimbabwe		18° 23' 00" S 31° 37' 00" E	
Irima, 4 mi [=6.4 km] NW Voi (see also: Voi, 4 mi [=6.4 km] NW)	Kenya		3° 21' 20" S 38° 32' 05" E	564 m
Iringa	Tanzania		7° 46' 00" S 35° 42' 00" E	1574 m
Iringa district	Tanzania		7° 35' 00" S 35° 30' 00" E	
Iringa region	Tanzania			
Iringa, 12 km ESE (see Kigwembinbi)	Tanzania		7° 48' 22" S 35° 48' 13" E	1600 m
Iringa, 137 km SE (see Mbangala)	Tanzania		8° 36' 00" S 36° 44' 00" E	626 m
Iringa, 30 mi [=48 km] SSE (see Itanga)	Tanzania		8° 08' 00" S 35° 54' 00" E	1772 m
Iringa, 6 km E (see Kibebe farms)	Tanzania		7° 47' 00" S 35° 45' 00" E	1550 m
Iringa, near	Tanzania		7° 47' 00" S 35° 42' 00" E	
Iringi	Congo (Democratic Republic of the)			
Iringite (see Eringite)	Congo (Democratic Republic of the)		0° 51' 00" N 29° 37' 00" E	1270 m

Iron Mask Hills cave, Mazowe	Zimbabwe		17° 03' 42" S 30° 57' 48" E	
Irsac labo (see Luiro)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	5400 ft
Irtou	Chad		13° 19' 00" N 15° 10' 00" E	279 m
Irumu	Congo (Democratic Republic of the)		1° 27' 00" N 29° 52' 00" E	841 m
Irumu	Congo (Democratic Republic of the)		1° 27' 00" N 29° 52' 00" E	
Irumu, 20 mi [=32 km] S (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Irumu, 241 km N (see Faradje)	Congo (Democratic Republic of the)		3° 44' 00" N 29° 43' 00" E	775 m
Irumu, 25 km W (see Ituri Forest)	Congo (Democratic Republic of the)		1° 23' 00" N 28° 38' 00" E	
Irumu, 40 mi [=64 km] SW (see Ituri Forest), East of the Ituri River and west of the Irumu-Beni road	Congo (Democratic Republic of the)		1° 00' 00" N 29° 16' 00" E	
Irumu, 40 mi SW, Ituri River	Congo (Democratic Republic of the)			
Irumu, 50 mi SW, Ituri Forest	Congo (Democratic Republic of the)		1° 00' 00" N 29° 16' 00" E	
Isai River, Babeke, near	Congo (Democratic Republic of the)		1° 24' 00" N 28° 04' 00" E	
Isalo National Park (see also: Parc National d'Isalo)	Madagascar		22° 27' 52" S 45° 15' 43" E	
Isamico	Tanzania		2° 30' 00" S 32° 54' 00" E	1135 m
Isamilo (International School)	Tanzania		2° 30' 30" S 32° 54' 23" E	
Isato	Congo (Democratic Republic of the)		3° 18' 00" N 18° 39' 00" E	323 m
Isavo swamp	Isavo swamp			
Ishangi (see Shangi)	Rwanda		2° 24' 13" S 29° 00' 21" E	
Ishango River	Congo (Democratic Republic of the)		0° 08' 00" S 29° 36' 00" E	950 m
Ishango-Nyakazi	Congo (Democratic Republic of the)		0° 08' 00" S 29° 35' 00" E	950 m
Ishasha River	Uganda	ca.	0° 28' 00" S 29° 41' 00" E	
Ishasha Road, 0.5 km S	Uganda		0° 30' 00" S 29° 46' 00" E	1000 m
Ishasha, 5 km E	Uganda		0° 40' 48" S 29° 40' 12" E	1062 m
Isiala (see Isiolo)	Kenya		0° 21' 00" N 37° 35' 00" E	1145 m
Isidenge Bosboustasie (see Isidenge Forest Station)	South Africa		32° 40' 22" S 27° 10' 14" E	1000 m
Isidenge Forest Station, 11.4 km S, 13.5 km W Stutterheim (see also: Isidenge Bosboustasie, Stutterheim, 11.4 km S, 13.5 km W;)	South Africa		32° 40' 22" S 27° 10' 14" E	1000 m
Isídje (see Ezimé)	Togo		7° 29' 00" N 0° 56' 00" E	344 m
Isimangaliso Wetland Park	South Africa	ca.	28° 12' 00" S 32° 30' 00" E	
Isingiro district	Uganda			
Isiola (see Isiolo)	Kenya		0° 21' 00" N 37° 35' 00" E	1145 m
Isiolo (see also: Isiala, Isiola)	Kenya		0° 21' 00" N 37° 35' 00" E	1145 m
Isiolo Buffalo Springs Game Reserve (see also: Isiolo Game Reserve)	Kenya		0° 03' 12" N 37° 34' 00" E	
Isiolo county	Kenya			
Isiolo district	Kenya			
Isiolo Game Reserve (see Isiolo Buffalo Springs Game Reserve)	Kenya		0° 03' 12" N 37° 34' 00" E	
Isiolo, 15 mi [=24 km] N	Kenya		0° 35' 00" N 37° 36' 00" E	
Isiolo, 15 mi [=24 km] W	Kenya	ca.	0° 21' 00" N 37° 35' 00" E	
Isiolo, 18 km SE	Kenya		0° 20' 00" N 37° 45' 00" E	
Isiolo, 38 mi [=61 km] N (see Nyama Yango)	Kenya		0° 54' 11" N 37° 35' 00" E	
Isiolo, 5 mi [=8 km] SW	Kenya		0° 17' 00" N 37° 33' 00" E	
Isiolo, 6 mi [=9.6 km] N	Kenya		0° 25' 00" N 37° 36' 00" E	
Isipingo, 5 km S Durban (see also: Durban, 5 km S)	South Africa		29° 59' 00" S 30° 56' 00" E	
Isirio (see Isiro)	Congo (Democratic Republic of the)		2° 46' 00" N 27° 37' 00" E	730 m
Isiro (see also: Isirio, Paulis)	Congo (Democratic Republic of the)		2° 46' 00" N 27° 37' 00" E	730 m
Iskandarîya (see Al Iskandariyah)	Egypt		31° 11' 53" N 29° 55' 09" E	4 m
Iskindiriya (see Al Iskandariyah)	Egypt		31° 11' 53" N 29° 55' 09" E	4 m
Isla de Corisco (see Corisco island)	Equatorial Guinea		0° 54' 57" N 9° 19' 06" E	
Isla Mandyi (see Corisco island)	Equatorial Guinea		0° 54' 57" N 9° 19' 06" E	
Island of St. Thomas (see São Tomé island)	São Tomé and Principé	ca.	0° 12' 00" N 6° 39' 00" E	
Islot de Bombon (see Bombon island)	São Tomé and Principé		1° 41' 53" N 7° 24' 09" E	
Ismailia governate (see As Ismailiyah governate)	Egypt			

Isna (see also: Asna, Esna, Esneh, Latónpolis, Latopolia, Latopolis)	Egypt		25° 17' 36" N 32° 33' 14" E	
Iso (see also: Iso.4, Isoberlinia)	Congo (Democratic Republic of the)		4° 18' 00" N 29° 56' 00" E	
Iso.4 (see Iso)	Congo (Democratic Republic of the)		4° 18' 00" N 29° 56' 00" E	
Isoberlinia (see Iso)	Congo (Democratic Republic of the)		4° 18' 00" N 29° 56' 00" E	
Isobi (see also: Isolwe, Isove)	Cameroon		4° 07' 15" N 8° 59' 33" E	56 m
Isoga	Congo (Democratic Republic of the)		3° 20' 00" S 28° 12' 00" E	1266 m
Isoka	Zambia		10° 10' 00" S 32° 38' 00" E	1500 m
Isoka district	Zambia			
Isola di Gérba (see Île de Jerba)	Tunisia		33° 48' 00" N 10° 54' 00" E	
Isola Galite (see La Galite, island), Galita Archipelago	Tunisia		37° 31' 34" N 8° 55' 44" E	
Isolwe (see Isobi)	Cameroon		4° 07' 15" N 8° 59' 33" E	56 m
Isongo	Tanzania	ca.	8° 45' 24" S 36° 41' 45" E	
Isongo (see also: Izongo, Port Isongo)	Cameroon		4° 04' 44" N 9° 01' 26" E	5 m
Isove (see Isobi)	Cameroon		4° 07' 15" N 8° 59' 33" E	56 m
Israel	Israel			
Issehe river	Congo (Democratic Republic of the)		1° 05' 00" N 29° 49' 00" E	1200 m
Issore, 40 mi [=64 km] S Torit (see also: Torit, 40 mi [=64 km] S)	South Sudan		3° 54' 00" N 32° 48' 00" E	1540 m
Issuna (see also: Isuna, Suna)	Tanzania		5° 23' 00" S 34° 46' 00" E	1423 m
Isthmus of Suez (see also: Suez, Isthmus)	Egypt		30° 30' 00" N 32° 15' 00" E	
Isuna (see Issuna)	Tanzania		5° 23' 00" S 34° 46' 00" E	1423 m
Itala Game Reserve (see Ithala Game Reserve)	South Africa		27° 33' 36" S 31° 12' 36" E	922 m
Itala National Park (see Ithala Game Reserve)	South Africa		27° 33' 36" S 31° 12' 36" E	922 m
Itala Nature Reserve, 10 km NW Louwsburg	South Africa		27° 33' 36" S 31° 12' 36" E	
Itale (see also: Igale)	Tanzania		9° 16' 00" S 33° 19' 00" E	1690 m
Italy	Italy			
Itama (see Okura Iyale Forest Reserve)	Nigeria		7° 34' 09" N 7° 17' 35" E	
Itama area (see Kikagati area)	Uganda	ca.	1° 06' 13" S 30° 41' 17" E	
Itama mine (see Rev Malebo) (see also: Ithama mine)	Uganda		0° 59' 00" S 29° 41' 00" E	1615 m
Itama Mine area (see Kikagati area)	Uganda	ca.	1° 06' 13" S 30° 41' 17" E	
Itambelo (see Itaombelo)	Madagascar	ca.	21° 48' 00" S 47° 15' 00" E	
Itampolo	Madagascar		24° 41' 00" S 43° 57' 00" E	28 m
Itampolo, 4.1 km SE (see Vintane cave)	Madagascar		24° 42' 08" S 43° 57' 49" E	
Itampolo, 4.2 km NE, on old road to Ejeda (see Grotte d'Amdroimpano)	Madagascar		24° 39' 01" S 43° 57' 48" E	110 m
Itanga, 30 mi [=48 km] SSE Iringa (see also: Iringa, 30 mi [=48 km] SSE)	Tanzania		8° 08' 00" S 35° 54' 00" E	1772 m
Itaombelo (see also: Itambelo, Stambelo)	Madagascar	ca.	21° 48' 00" S 47° 15' 00" E	
Itapera Forest, ca. 21 km NW Tolagnaro (see also: Tolagnaro, ca. 21 km NW)	Madagascar		24° 52' 00" S 47° 07' 00" E	
Itapera, Pointe, ca. 21 km NW Tolagnaro (see also: Itaperina, Pointe, Pointe Itapera, Pointe Itaperina, Tapera, Lohatanjona, Tolagnaro, ca. 21 km NW)	Madagascar		24° 54' 00" S 47° 08' 00" E	10 m
Itaperina, Pointe (see Itapera, Pointe)	Madagascar		24° 54' 00" S 47° 08' 00" E	10 m
Itaranta, 20 km WNW Ranopiso (see also: Ranopiso, 20 km WNW)	Madagascar		25° 01' 00" S 46° 29' 00" E	67 m
Itaranta River, near (see also: Amboasary, 12 km ENE and Ranopiso, 20 km WNW, Ranopiso, 20 km WNW and Amboasary, 12 km ENE)	Madagascar		25° 05' 00" S 46° 28' 00" E	40 m
Itende	Tanzania		6° 46' 00" S 36° 23' 00" E	1532 m
Ithala Game Reserve, 50 km SW Pongola (see also: Itala Game Reserve, Itala National Park, Ithala Game Reserve, Main Camp, Ithala Nature Reserve, Louwsburg, 10 km NW, Pongola, 50 km SW)	South Africa		27° 33' 36" S 31° 12' 36" E	922 m
Ithala Game Reserve, Main Camp (see Ithala Game Reserve)	South Africa		27° 32' 46" S 31° 18' 49" E	
Ithala Game Reserve, sandstone cave	South Africa	ca.	27° 33' 36" S 31° 12' 36" E	
Ithala Nature Reserve (see Ithala Game Reserve), 9 km NE Louwsburgh	South Africa		27° 33' 36" S 31° 12' 36" E	922 m

Ithama mine (see Itama mine)	Uganda		0° 59' 00" S 29° 41' 00" E	1615 m
Ithundu caves, near Kiboko and Makindu (see also: Ihundu cave, Ithundu lava cave)	Kenya		2° 19' 59" S 37° 42' 12" E	
Ithundu lava cave (see Ithundu caves)	Kenya		2° 19' 59" S 37° 42' 12" E	
Iti	Liberia		5° 36' 57" N 9° 19' 25" W	
Iti Riviere	Liberia			
Itimaire river, Tributary of Congo River	Itimaire river			
Itombwe, Grand ebouli de Lemera (see also: Grand ebouli de Lemera, Lemera Great Sink)	Congo (Democratic Republic of the)		4° 04' 00" S 28° 40' 00" E	
Itremo (village)	Madagascar		20° 35' 38" S 46° 37' 15" E	1450 m
Itremo, 2.5 km W	Madagascar		20° 35' 38" S 46° 37' 04" E	1400 m
Itsamia, primary school and torture building	Comoro Islands		12° 21' 51" S 43° 52' 04" E	0 m
Itsandha (see Itsandra)	Comoro Islands		11° 40' 16" S 43° 15' 17" E	154 m
Itsandra (see also: Itsandha)	Comoro Islands		11° 40' 16" S 43° 15' 17" E	154 m
Itumba	Tanzania			
Ituri Forest, 40 mi SW Irumu (see also: Irumu, 40 mi [=64 km] SW, Sturi Forest)	Congo (Democratic Republic of the)		1° 00' 00" N 29° 16' 00" E	
Ituri Forest, 50 mi SW Irumu (see also: Irumu, 25 km W)	Congo (Democratic Republic of the)		1° 23' 00" N 29° 38' 00" E	
Ituri ht	Congo (Democratic Republic of the)			
Ituri province	Congo (Democratic Republic of the)			
Ituri River	Congo (Democratic Republic of the)	ca.	1° 20' 00" N 27° 35' 00" E	
Ituri River, Bridge	Congo (Democratic Republic of the)		1° 20' 00" N 27° 35' 00" E	
Ituri, south	Congo (Democratic Republic of the)		1° 00' 00" N 29° 16' 00" E	
Ivindo National Park	Gabon	ca.	0° 15' 00" N 12° 45' 00" E	
Ivohibe	Madagascar			
Ivohiho	Madagascar			
Ivohimanitra	Madagascar	ca.	20° 42' 00" S 47° 35' 00" E	
Ivondro, Valley of High Fanjahira (see also: Ivondrona)	Madagascar		18° 14' 00" S 49° 22' 00" E	5 m
Ivondrona (see Ivondro), Valley of High Fanjahira	Madagascar		18° 14' 00" S 49° 22' 00" E	5 m
Ivory Coast (see Côte d'Ivoire)	Ivory Coast			
Iyonda, near Coquilhatville [=Mbandaka]	Congo (Democratic Republic of the)		0° 02' 00" S 18° 12' 00" E	
Izbat Dush (see also: Dûsh, Dush temple, Ezbet Dush)	Egypt		24° 34' 00" N 30° 42' 00" E	77 m
Izele (Farmstead), near King William's Town (see also: Izele convent, Zele convent)	South Africa		32° 49' 00" S 27° 24' 00" E	450 m
Izele convent (see Izele (Farmstead))	South Africa		32° 49' 00" S 27° 24' 00" E	450 m
Izeleni Plantation	South Africa		32° 41' 00" S 27° 25' 00" E	900 m
Izongo (see Isongo)	Cameroon		4° 04' 44" N 9° 01' 26" E	5 m
Izoukak (see Ijoukak)	Morocco		31° 00' 00" N 8° 09' 36" W	1196 m
J.G. Strijdomdam (see Pongolapoortdam), Pongola, Jozini	South Africa		27° 25' 00" S 31° 58' 00" E	122 m
Ja River (see Dja River)	Cameroon		3° 00' 00" N 13° 00' 00" E	
Jabal Akhdar Mountains (see Wadi al Kuf), 8 km SW Massah	Libya		32° 42' 00" N 21° 35' 00" E	330 m
JabalPC:JK|)	Libya			
Jabal al Ashkal (see Jebel Ichkeul)	Tunisia		37° 07' 24" N 9° 39' 17" E	
Jabal al Awliya' (see also: Jebel Aulia)	Sudan		15° 14' 28" N 32° 29' 59" E	384 m
Jabal al Azraq, 10 mi NW Omdurman	Sudan		15° 47' 29" N 32° 27' 35" E	
JabalPC:JG|)	Libya			
Jabal al 'Unq, mine, 30 km SE Gafsa (see also: Djebel Ank, mine, Djebel el Ank, mine, Gafsa, 30 km SE)	Tunisia		34° 14' 02" N 9° 00' 54" E	
Jabal al Wast, 6 km S Oum Djeddour, 28 km E Thala (see also: Djebel el Oust , Djebel Ouest, Djebel Oust, Oum Djeddour, 6 km S, Thala, 28 km E)	Tunisia		35° 33' 37" N 8° 52' 59" E	
Jabal Ataqah (see Ataqah, Jabal), near Suez	Egypt		29° 55' 00" N 32° 20' 00" E	
Jabal Giri (see also: Jebel Giri)	South Sudan	ca.	4° 01' 06" N 31° 30' 51" E	
Jabal Kathangor (see Kathangor, Jabal)	South Sudan		5° 45' 00" N 33° 59' 00" E	
Jabal Korobi (see Korobi, Jabal)	South Sudan		3° 57' 40" N 30° 53' 46" E	
Jabal Lado (see Lado)	South Sudan		5° 06' 12" N 31° 35' 05" E	
Jabal Mâba (see also: Jebel Maba)	Sudan		11° 36' 10" N 34° 27' 41" E	
Jabal Musa	Egypt		28° 32' 00" N 33° 59' 00" E	

Jabal Otogo, summit (see also: Mount Otogo, summit, Otogo, summit mount)	South Sudan		3° 57' 32" N 30° 34' 59" E	3650 ft
Jabal Qulub (see also: Djebel Gloub)	Tunisia		36° 39' 00" N 8° 34' 00" E	
Jabal Talao (see Talao, Jabal)	Sudan		11° 02' 00" N 29° 43' 00" E	550 m
Jabal Zaghwan (see also: Djebel Zaghouan, Djebel Zaghouane, Djebel Zarhouan)	Tunisia		36° 21' 02" N 10° 06' 42" E	
Jabassi (see Yabassi)	Cameroon		4° 27' 16" N 9° 57' 56" E	16 m
Jack Scott Bridge, Haub River	Namibia		20° 54' 00" S 13° 28' 00" E	
Jack Scott Private Nature Reserve (see Farm Uitkomst 499), Krugersdorp	South Africa		25° 54' 00" S 27° 46' 00" E	
Jackeville-Bingerville (see Jacqueville-Bingerville, between)	Côte d'Ivoire	ca.	5° 16' 00" N 4° 12' 00" W	
Jackville (see Jacqueville)	Côte d'Ivoire		5° 12' 02" N 4° 24' 44" W	81 m
Jacobsdal, Subdivision 1 of Wagenmakersdrift	South Africa		29° 08' 00" S 24° 46' 00" E	1102 m
Jacqueville (see also: Half Jack, Jackville)	Côte d'Ivoire		5° 12' 02" N 4° 24' 44" W	81 m
Jacqueville department	Côte d'Ivoire			
Jacqueville-Bingerville, between (see also: Jackeville-Bingerville)	Côte d'Ivoire	ca.	5° 16' 00" N 4° 12' 00" W	
Jadotstad (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Jadotstad, 15 km S (see Mwanga cave)	Congo (Democratic Republic of the)			
Jadotsville (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Jadotville (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Jadotville, 15 km S (see Mwanga cave)	Congo (Democratic Republic of the)			
Jadotville, ca. 8 km S (see Kakontwe)	Congo (Democratic Republic of the)		10° 59' 00" S 26° 40' 00" E	1253 m
Jadoville (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
JafarPC:JR|)	Libya			
Jafini, near (see Jappeni, near)	The Gambia	ca.	13° 25' 00" N 15° 25' 00" W	
Jagartek and Talek rivers junction, 8 km above	Kenya		1° 22' 00" S 35° 15' 00" E	
Jagersfontein, Ooskloof 20	South Africa		29° 46' 00" S 25° 25' 00" E	1436 m
Jagersfontein Commonage, Disused mine	South Africa		29° 39' 00" S 25° 23' 00" E	
Jaghbub (see Al Jaghbub)	Libya		29° 44' 33" N 24° 31' 04" E	0 m
Jágua (see Yagoua)	Cameroon		10° 20' 34" N 15° 14' 26" E	313 m
Jaika cave	Kenya		0° 33' 49" S 36° 15' 15" E	
Jailosi Nyondo banana plantation	Malawi		9° 35' 00" S 33° 14' 00" E	
Jaima	Congo (Democratic Republic of the)			
Jajavy (see Anjajavy)	Madagascar		15° 02' 00" S 47° 14' 00" E	112 m
Jala plains	Jala plains			
Jale, border checkpoint with Uganda	South Sudan		3° 43' 09" N 31° 39' 32" E	
Jalta Island (see La Galite, island), Galita Archipelago	Tunisia		37° 31' 34" N 8° 55' 44" E	
Jamaame (see also: Giamama, Giamame, Giamana, Giamane, Jamame, Margherita)	Somalia		0° 04' 20" N 42° 45' 02" E	10 m
Jamaame, 4 km S, 4 km W	Somalia	ca.	0° 02' 00" N 42° 43' 00" E	
Jamaame, 5 km S, 7.5 km W	Somalia		0° 01' 00" N 42° 41' 00" E	
Jamame (see Jamaame)	Somalia		0° 04' 20" N 42° 45' 02" E	10 m
Jamba district	Angola			
Jambour (see Jambur)	The Gambia		13° 18' 56" N 16° 42' 06" W	
Jambur (see also: Jambour, Yambur)	The Gambia		13° 18' 56" N 16° 42' 06" W	
Jambur, near	The Gambia	ca.	13° 18' 56" N 16° 42' 07" W	
Jamestown, Gloria, Subdivision of Farm Olyvekloof 184	South Africa		31° 07' 00" S 26° 48' 00" E	1623 m
Jan Kemp (see Jan Kempdorp), Agriculture station	South Africa		27° 55' 00" S 24° 51' 00" E	
Jan Kempdorp, Agriculture station (see also: Andalusia, Jan Kemp, Jankempdorp)	South Africa		27° 55' 00" S 24° 51' 00" E	
Jan Smit Steel Works, near, Pretoria North	South Africa			
Janaale (see Jannaale)	Somalia		1° 48' 00" N 44° 42' 00" E	64 m
Jane Furse Hospital, Middleburg	South Africa		25° 52' 00" S 29° 23' 00" E	
Jangamo, 29 km S Inhambane (see also: Inhambane, 29 km S)	Mozambique		24° 06' 44" S 35° 19' 05" E	18 m
Jangjangbureh (see Janjanbureh), MacCarthy Island	The Gambia		13° 32' 00" N 14° 46' 00" W	4 m
Janjanbureh, MacCarthy Island (see also: Georgetown, Jangjangbureh, Old Fort George)	The Gambia		13° 32' 00" N 14° 46' 00" W	4 m
Jankempdorp (see Jan Kempdorp), Agriculture station	South Africa		27° 55' 00" S 24° 51' 00" E	

Jannaale (see also: Genale, Janaale)	Somalia		1° 48' 00" N 44° 42' 00" E	64 m
Jansenville, 8 mi [=12.9 km] NE	South Africa	ca.	32° 57' 00" S 24° 41' 00" E	
JanubPC:SF|)	Sudan			
JanubPC:SK|)	Sudan			
Janub Sina' governorate (see also: Janub Sina governorate |PC:JS|, South Sinai governorate |PC:JS|)	Egypt			
JanubPC:JS|)	Egypt			
Jao Camp, bordering Moremi Game Camp	Botswana	ca.	19° 15' 00" S 23° 20' 00" E	
Jaoudi	Liberia		6° 06' 47" N 8° 36' 00" W	308 m
Jaoudi, ca 12 mi [=19 km] SSE (see Jarwondee, ca 12 mi [=19 km] SSE), Dugbe river	Liberia	ca.	5° 57' 39" N 8° 30' 50" W	
Japo Sud (see Yapo Kra)	Côte d'Ivoire		5° 49' 00" N 4° 08' 00" W	74 m
Jappeni, near (see also: Jafini, near)	The Gambia	ca.	13° 25' 00" N 15° 25' 00" W	
Jara (see also: Jarra)	Ethiopia		7° 22' 00" N 40° 30' 00" E	2025 m
Jarmah (see also: Germa)	Libya		26° 31' 46" N 13° 04' 23" E	601 m
Jarra (see Jara)	Ethiopia		7° 22' 00" N 40° 30' 00" E	2025 m
Jarwondee	Liberia		6° 06' 47" N 8° 36' 00" W	308 m
Jarwondee, ca 12 mi [=19 km] SSE, Dugbe river (see also: Jaoudi, ca 12 mi [=19 km] SSE)	Liberia	ca.	5° 57' 39" N 8° 30' 50" W	
Jau	Angola		15° 14' 00" S 13° 31' 00" E	1660 m
Jaúnde (see Yaoundé)	Cameroon		3° 52' 00" N 11° 31' 00" E	726 m
Jaurazon (see Juazohn)	Liberia		5° 22' 56" N 8° 50' 44" W	134 m
Jauro Masali	Nigeria		6° 20' 00" N 3° 25' 00" E	1300 m
Jaurzon (see Juazohn)	Liberia		5° 22' 56" N 8° 50' 44" W	134 m
Javiefe	Ghana			
Jawhar (see also: Duca degli Abruzzi, Giohar, Jowhar)	Somalia		1° 57' 00" N 44° 50' 00" E	73 m
Jawhar (see also: Giohar, Johar, Joher, Joowhar, Jowhar, Villa del dottore Abruzzi, Villa Duca Abruzzi, Villaggio Duca Abruzzi, Villaggio Duca degli Abruzzi)	Somalia		2° 46' 00" N 45° 31' 00" E	100 m
Jawodi	Liberia		6° 06' 47" N 8° 36' 00" W	308 m
Jawunda (see Gwanda)	Zimbabwe		20° 56' 00" S 29° 00' 00" E	965 m
Jazirah Island (see Jazirat az Zamalik)	Egypt		30° 03' 24" N 31° 13' 19" E	
Jazirat az Zamalik (see also: El Gezira , Gezira Island , Gezîret el-Zamâlik, Jazirah Island)	Egypt		30° 03' 24" N 31° 13' 19" E	
Jazirat Jalitah (see La Galite, island), Galita Archipelago	Tunisia		37° 31' 34" N 8° 55' 44" E	
Jazirat Jarbah (see Île de Jerba)	Tunisia		33° 48' 00" N 10° 54' 00" E	
Jazirat Musran (see also: Musran, Musran Island)	Sudan		12° 47' 14" N 32° 46' 52" E	
Jazirat Musran, N end (see also: Musran Island, N End, Musran, N end)	Sudan	ca.	12° 55' 16" N 32° 48' 01" E	
Jbel Moussa (see Jebel Moussa)	Morocco		35° 53' 52" N 5° 24' 44" W	
Jbel Tissouka (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Jebba (see also: Djebba)	Nigeria		9° 08' 00" N 4° 50' 00" E	52 m
Jebel Ahmar (see Al Jabal al Ahmar)	Egypt		30° 03' 00" N 31° 18' 00" E	
Jebel Aulia (see Jabal al Awliya')	Sudan		15° 14' 28" N 32° 29' 59" E	384 m
Jebel Choli (see Acholi mountains)	South Sudan		4° 04' 55" N 32° 35' 54" E	
Jebel Digobo (see Jebel Digodo)	Sudan		10° 37' 00" N 29° 53' 00" E	
Jebel Digodo (see also: Djebel Digobo, Djebel Digodo, Jebel Digobo)	Sudan		10° 37' 00" N 29° 53' 00" E	
Jebel Drunka	Egypt		27° 07' 00" N 31° 10' 00" E	
Jebel el Airag	South Sudan		15° 37' 00" N 32° 29' 00" E	
Jebel el Azraq, 10 mi [=16 km] NW Omdurman	Sudan		15° 47' 29" N 32° 27' 35" E	
Jebel el Funj, on White Nile River, West bank	Sudan	ca.	11° 45' 00" N 33° 30' 00" E	
Jebel Gire, base camp, Kansuk Boma	South Sudan		4° 01' 15" N 31° 31' 15" E	
Jebel Giri (see Jabal Giri)	South Sudan	ca.	4° 01' 06" N 31° 30' 51" E	
Jebel Goumia, 45 mi [=72 km] SSW Torit	South Sudan		4° 05' 00" N 32° 36' 00" E	1981 m
Jebel Hamana	Jebel Hamana			
Jebel Ichkeul (see also: Djebel Achkel, Djebel Achkeul, Djebel Ichkeul, Djebel Ischkeul, Djebel Ishkoel, Jabal al Ashkal)	Tunisia		37° 07' 24" N 9° 39' 17" E	
Jebel Ichkeul, 25 km SW (see Sidi Messaoud, mine tunnel near)	Tunisia		36° 57' 58" N 9° 27' 23" E	
Jebel Kasangor (see Kathangor, Jabal)	South Sudan		5° 45' 00" N 33° 59' 00" E	
Jebel Maba (see Jabal Mâba)	Sudan		11° 36' 10" N 34° 27' 41" E	

Jebel Mago (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Jebel Marra, S foothills	Sudan		12° 54' 00" N 24° 21' 00" E	
Jebel Moba	Sudan		11° 35' 00" N 34° 30' 00" E	
Jebel Moussa (see also: Abila, Abyla, Djebel Moussa, Jbel Moussa, Jebel Mussa, Jebel Sidi Moussa, Monte de las Monas, Sidi Musa)	Morocco		35° 53' 52" N 5° 24' 44" W	
Jebel Mussa (see Jebel Moussa)	Morocco		35° 53' 52" N 5° 24' 44" W	
Jebel Nirkenyi (see Lado)	South Sudan		5° 06' 12" N 31° 35' 05" E	
Jebel Sidi Moussa (see Jebel Moussa)	Morocco		35° 53' 52" N 5° 24' 44" W	
Jebel Talao (see Talao, Jabal), 2 km NE Kadugli	Sudan		11° 02' 00" N 29° 44' 00" E	550 m
Jebel Tisouka, 5 km E Chefchaouen (see also: Chefchaouen, 5 km E, Jbel Tissouka, Jebel Mago, Monte Tisuka, Tisouka, mount, Yebel Tisuca, Yebel Tisuja)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Jebel Toro, Mesakin Qisar	Sudan		10° 42' 00" N 30° 01' 00" E	
Jebel Um Hashiba (see also: Um Hashiba)	Egypt	ca.	30° 16' 44" N 33° 04' 57" E	
Jebelein (see Aj Jabalen)	Sudan		12° 35' 25" N 32° 48' 03" E	380 m
Jeelib (see Jilib)	Somalia		0° 29' 45" N 42° 46' 22" E	19 m
Jeff Estate, Mutare	Zimbabwe		18° 58' 12" S 32° 36' 36" E	
Jelfa (see Djelfa)	Algeria		34° 40' 00" N 3° 15' 00" E	1126 m
Jendouba governorate	Tunisia			
Jendouba, 17 km W (see Shimtu)	Tunisia		36° 29' 00" N 8° 35' 00" E	158 m
Jendouba, 7 km NNW (see Bulla Regia)	Tunisia		36° 33' 30" N 8° 44' 48" E	
Jerada prefecture	Morocco			
Jerba (see Île de Jerba)	Tunisia		33° 48' 00" N 10° 54' 00" E	
Jerba island (see Île de Jerba)	Tunisia		33° 48' 00" N 10° 54' 00" E	
Jesser Point, 2.5 km S (see Sodwana Bay)	South Africa		27° 33' 00" S 32° 40' 00" E	20 m
Jiba	Congo (Democratic Republic of the)		1° 52' 00" N 30° 42' 00" E	2123 m
Jiba Risasi (see also: Jiba Trisasi)	Congo (Democratic Republic of the)		1° 52' 00" N 30° 42' 00" E	1800 m
Jiba Trisasi (see Jiba Risasi)	Congo (Democratic Republic of the)		1° 52' 00" N 30° 42' 00" E	1800 m
Jibal an Nubah, N edge (see Nuba Mountains, N edge)	Sudan			
Jiboroh (see Jiboroh Kuta)	The Gambia		13° 11' 18" N 16° 34' 25" W	38 m
Jiboroh Kuta (see also: Jiboroh)	The Gambia		13° 11' 18" N 16° 34' 25" W	38 m
Jibouti (see Djibouti)	Djibouti		11° 35' 42" N 43° 08' 53" E	0 m
Jibuti (see Djibouti)	Djibouti		11° 35' 42" N 43° 08' 53" E	0 m
Jida (see Firestone)	Liberia		5° 56' 00" N 9° 38' 00" W	170 m
Jigawa state	Nigeria			
Jigjiga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Jigjiga road bridge, Errer river	Ethiopia	ca.	9° 21' 00" N 42° 48' 00" E	
Jigjiga road bridge, 0.5 km E, Errer river	Ethiopia	ca.	9° 21' 00" N 42° 48' 00" E	
Jigjiga road, 16 km S, Errer river	Ethiopia	ca.	9° 21' 00" N 42° 48' 00" E	
Jigjigga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Jijel province	Algeria			
Jijiga (see also: Djigdjiga, Dzhidzhiga, Giggiga, Giggigga, Jigjiga, Jigjigga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Jikao (see Jikawo)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Jikau (see Jikawo)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Jikaw (see Jikawo)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Jikawa (see Jikawo)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Jikawo (see also: Jikao, Jikau, Jikaw, Jikawa, Jokau)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Jilib (see also: Gelib, Jeelib)	Somalia		0° 29' 45" N 42° 46' 22" E	19 m
Jima (see also: Djimma, Gima, Gimma, Jimma)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Jima, 5 km E (see also: Djimma, 5 km E, Gima, 5 km E, Gimma, 5 km E, Jimma, 5 km E)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Jimbe Stream	Zambia		10° 57' 00" S 24° 05' 00" E	
Jimma (see Jima)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Jimma, 38 km SW (see Belletta forest)	Ethiopia		7° 32' 00" N 36° 31' 00" E	2050 m
Jimma, 5 km E (see Jima, 5 km E)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Jimma, road to, 10 km from Agaro (see also: Agaro, 10 km from)	Ethiopia	ca.	7° 51' 00" N 36° 39' 00" E	
Jinja district	Uganda			
Jinja district	Uganda			
Jipe, lake (see also: Lake Jipe)	Tanzania		3° 35' 00" S 37° 45' 00" E	

Jipe, lake (see also: Jippe, lake, Lake Jipe, Lake Jippe)	Kenya		3° 35' 00" S 37° 46' 00" E	884 m
Jipologo (see Djipologo)	Burkina Faso		10° 56' 00" N 3° 07' 00" W	253 m
Jippe, lake (see Jipe, lake)	Kenya		3° 35' 00" S 37° 27' 00" E	884 m
Jiran (see Jiren), near Jima	Ethiopia		7° 49' 00" N 36° 41' 00" E	1678 m
Jiren, near Jima (see also: Djiren, Giren, Jiran)	Ethiopia		7° 49' 00" N 36° 41' 00" E	1678 m
Jiroff, near	The Gambia	ca.	13° 25' 00" N 15° 42' 00" W	
Joa Belo (see Xai-Xai), Maputo, 200 km N	Mozambique		25° 03' 07" S 33° 38' 39" E	9 m
Joal (see Joal-Fadiout)	Senegal		14° 10' 00" N 16° 50' 00" W	1 m
Joal, 4 km N (see Joal-Fadiout, 4 km N)	Senegal	ca.	14° 10' 00" N 16° 50' 00" W	
Joal-Fadiout (see also: Fadiout, Fadiouth, Joal)	Senegal		14° 10' 00" N 16° 50' 00" W	1 m
Joal-Fadiout, 4 km N (see also: Joal, 4 km N)	Senegal	ca.	14° 10' 00" N 16° 50' 00" W	
João Belo (see Xai-Xai), Maputo, 200 km N	Mozambique		25° 03' 07" S 33° 38' 39" E	9 m
Joffreville (see Ambohitra)	Madagascar		12° 29' 00" S 49° 12' 00" E	743 m
Joffreville, 12 km SW (see Grande Lac)	Madagascar		12° 34' 59" S 49° 08' 55" E	
Joffreville, 5.5 km SW (see Parc National de la Montagne d'Ambre)	Madagascar		12° 31' 00" S 49° 10' 00" E	1000 m
Joffreville, 6 km S (see Ambohitra, 6 km S)	Madagascar		12° 37' 00" S 49° 09' 00" E	1000 m
Joffreville, 6 mi [=9.6 km] S (see Ambohitra, 6 mi [=9.6 km] S)	Madagascar	ca.	12° 37' 00" S 49° 09' 00" E	
Johanna Island (see Anjouan)	Comoro Islands		12° 15' 00" S 44° 25' 00" E	
Johannesburg	South Africa		26° 12' 00" S 28° 05' 00" E	1765 m
Johar (see Jawhar)	Somalia		2° 46' 00" N 45° 31' 00" E	100 m
Joher (see Jawhar)	Somalia		2° 46' 00" N 45° 31' 00" E	100 m
John Hegbe farm, ca. 2 mi SW Voinjama, near Zozoma (see also: Voinjama, ca. 2 mi [=3.2 km] SW)	Liberia		8° 25' 00" N 9° 35' 00" W	500 m
John Mate Camp	Uganda		0° 23' 00" N 29° 56' 00" E	3368 m
John Nash Nature Reserve (see Farm Uitkomst 499), Krugersdorp	South Africa		25° 54' 00" S 27° 46' 00" E	
John Town	Liberia		8° 25' 00" N 9° 45' 00" W	
Jokau (see Jikawo)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Joko, 34 km S (see Yoko, 34 km S)	Cameroon		5° 31' 00" N 12° 18' 00" E	
Jolohafiri (see Yolokafiri)	Congo (Democratic Republic of the)		1° 20' 00" N 29° 50' 00" E	1030 m
Jomba	Congo (Democratic Republic of the)		1° 16' 54" S 29° 33' 14" E	
JonglPC:JG|)	South Sudan			
Jonker Trust Farm (see Gatkop cave)	South Africa		24° 37' 05" S 27° 39' 08" E	
Jonkershoek Forest Reserve (see Jonkershoek Staatsbos), 10 km SE Stellenbosch	South Africa		33° 57' 44" S 18° 55' 37" E	
Jonkershoek Nature Conservation Research Station (see Jonkershoek Staatsbos)	South Africa		33° 57' 44" S 18° 55' 37" E	
Jonkershoek Nature Reserve (see Jonkershoek Staatsbos), 10 km SE Stellenbosch	South Africa		33° 57' 44" S 18° 55' 37" E	
Jonkershoek research station (see Jonkershoek Staatsbos)	South Africa		33° 57' 44" S 18° 55' 37" E	
Jonkershoek Staatsbos, 10 km SE Stellenbosch (see also: Jonkershoek Forest Reserve, Jonkershoek Nature Conservation Research Station, Jonkershoek Nature Reserve, Jonkershoek research station, Stellenbosch, 10 km SE)	South Africa		33° 57' 44" S 18° 55' 37" E	
Joowhar (see Jawhar)	Somalia		2° 46' 00" N 45° 31' 00" E	100 m
Jorf El Roumi Nsebis cave	Morocco		33° 36' 51" N 7° 32' 27" W	
Jos	Nigeria		9° 55' 00" N 8° 54' 00" E	1217 m
Joubertina, 5.0 km N, 11.0 km E (see Farm Uitvlug)	South Africa		33° 49' 00" S 24° 01' 00" E	550 m
Jowhar (see Jawhar)	Somalia		1° 57' 00" N 44° 50' 00" E	73 m
Jowhar (see Jawhar)	Somalia		2° 46' 00" N 45° 31' 00" E	100 m
Jozini (see also: Jozini village)	South Africa		27° 26' 00" S 32° 04' 00" E	
Jozini Dam (see Pongolapoortdam), Pongola, Jozini	South Africa		27° 25' 00" S 31° 58' 00" E	122 m
Jozini reservoir (see Pongolapoortdam), Pongola, Jozini	South Africa		27° 25' 00" S 31° 58' 00" E	122 m
Jozini village (see Jozini)	South Africa		27° 26' 00" S 32° 04' 00" E	
Jozini, lake (see Pongolapoortdam), Pongola, Jozini	South Africa		27° 25' 00" S 31° 58' 00" E	122 m
Juani island	Tanzania		8° 00' 36" S 39° 46' 31" E	
Juani village	Tanzania		7° 59' 28" S 39° 46' 47" E	10 m
Juarzon (see Juazohn)	Liberia		5° 22' 56" N 8° 50' 44" W	134 m
Juaso (see also: Dwaaso)	Ghana		6° 35' 00" N 1° 07' 00" W	218 m
Juazohn (see also: Jaurazon, Jaurzon, Juarzon)	Liberia		5° 22' 56" N 8° 50' 44" W	134 m
Jub	Jub			
Juba (see also: Goba, Uula)	South Sudan		4° 51' 00" N 31° 37' 00" E	550 m

Juba, 100 mi [=160 km] NW (see Mundri)	South Sudan		5° 24' 00" N 30° 15' 00" E	580 m
Juba, 400 mi [=640 km] W	South Sudan			700 m
Jubba Valley, Shonto Forest, Dhokal	Somalia		1° 01' 00" N 42° 36' 00" E	
Jubbada Dhexe region (see also: Middle Juba region |PC:JD|)	Somalia			
Jubbada Hoose region (see also: Lower Juba region |PC:JH|)	Somalia			
Jubiya Forest, Masaka	Uganda		0° 15' 00" S 31° 55' 00" E	
JufraPC:JF|)	Libya			
Jukwa (see also: Dwokwaa)	Ghana		5° 16' 00" N 1° 20' 00" W	74 m
Jula Farm	Kenya			
Juliesdale, 15 km SE (see Chingamwe Estates)	Zimbabwe		18° 29' 00" S 32° 44' 00" E	
Jumbe	Zambia		13° 17' 00" S 32° 05' 00" E	710 m
Jumbe river	Zambia		13° 17' 00" S 32° 05' 00" E	
Junck (see Junok), 30 km NE Perinet	Madagascar		18° 48' 00" S 48° 40' 00" E	975 m
Jungoli state (see also: Jonglei state |PC:JG|)	South Sudan			
Junok, 30 km NE Perinet (see also: Junck, Périnet, 30 km NE)	Madagascar		18° 48' 00" S 48° 40' 00" E	975 m
Justiniania (see Gafsa)	Tunisia		34° 25' 30" N 8° 47' 03" E	297 m
Jususie valley, Zululand, 20 mi [=32 km] NW Eshowe (see also: Eshowe, 20 mi [=32 km] NW, Insuzi valley)	South Africa	ca.	28° 36' 00" S 31° 28' 00" E	
Jwaneng town council	Botswana			
Kaabong district	Uganda			
Kaala (see Caála)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Kaalam (see Kelem)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Kaalfontein, Farm 261 (see Farm Kaalfontein 261), 37 km NW Potgietersrus	South Africa		24° 15' 00" S 28° 24' 00" E	
Kaalrug	South Africa		25° 36' 00" S 31° 33' 00" E	
Kaap provincie (see Cape province)	South Africa			
Kaap river	South Africa		25° 32' 00" S 31° 19' 00" E	
Kaapse Hoop, Farm Drysdale	South Africa		25° 33' 00" S 30° 46' 00" E	
Kaapse Skiereiland (see Cape Peninsula)	South Africa		34° 10' 00" S 18° 20' 00" E	
Kaapstad (see Cape Town)	South Africa		33° 55' 00" S 18° 25' 00" E	6 m
Kabadougou region	Côte d'Ivoire			
Kabakuli river	Congo (Democratic Republic of the)		0° 27' 00" N 29° 44' 00" E	1500 m
Kabala (see also: Kaballa)	Sierra Leone		9° 35' 00" N 11° 33' 00" W	456 m
Kabale	Congo (Democratic Republic of the)		2° 29' 48" S 28° 47' 27" E	2044 m
Kabale, south end lake Edward (see also: Kabare)	Congo (Democratic Republic of the)		0° 38' 00" S 29° 07' 00" E	1791 m
Kabale district	Uganda			
Kabalega Falls	Uganda		2° 17' 00" N 31° 41' 00" E	
Kabalega Falls National Park (see also: Kabalega National Park , Kabarega National Park , Kabarenga National Park , Murchison Falls National Park, Murchison Falls Park)	Uganda		2° 08' 46" N 31° 48' 40" E	610 m
Kabalega National Park (see Kabalega Falls National Park)	Uganda			610 m
Kaballa (see Kabala)	Sierra Leone		9° 35' 00" N 11° 33' 00" W	456 m
Kabalo	Congo (Democratic Republic of the)		6° 03' 00" S 26° 55' 00" E	530 m
Kabalo territory	Congo (Democratic Republic of the)		6° 03' 00" S 26° 55' 00" E	
Kabambaie [river]	Congo (Democratic Republic of the)		5° 44' 00" S 20° 49' 00" E	
Kabambi	Congo (Democratic Republic of the)		0° 51' 00" N 29° 39' 00" E	1260 m
Kabanga	Congo (Democratic Republic of the)		6° 40' 12" S 23° 40' 12" E	
Kabanga (see Kabenge)	Congo (Democratic Republic of the)		9° 01' 13" S 26° 44' 55" E	788 m
Kabango village banana plantation	Malawi		14° 46' 00" S 34° 38' 00" E	
Kabanyolo [mission]	Uganda		0° 27' 00" N 32° 37' 00" E	
Kabare	Congo (Democratic Republic of the)		2° 28' 00" S 28° 49' 00" E	2044 m
Kabare (see Kabale), south end lake Edward	Congo (Democratic Republic of the)		0° 38' 00" S 29° 07' 00" E	1791 m
Kabarega Falls	Uganda		2° 17' 00" N 31° 41' 00" E	
Kabarega National Park (see Kabalega Falls National Park)	Uganda			610 m
Kabarenga National Park (see Kabalega Falls National Park)	Uganda			610 m

Kabarole (see Fort Portal), Mpanga forest	Uganda		0° 41' 38" S 30° 15' 59" E	1524 m
Kabarole district	Uganda			
Kabarsera, 15 mi NNE Bartabwa (see also: Bartabwa, 15 mi [=24 km] NNE)	Kenya		0° 56' 15" N 35° 52' 00" E	762 m
Kabatibi cave (see Mount Hoyo caves)	Congo (Democratic Republic of the)	ca.	1° 13' 00" N 29° 49' 00" E	1200 m
Kabbefontein (see Krabbefontein), Soutpansberg	South Africa	ca.	23° 03' 00" S 29° 54' 00" E	
Kabei cave, 5 mi [=8 km] W Bukwa (see also: Bukwa, 5 mi [= 8 km] W)	Uganda		1° 18' 00" N 34° 45' 00" E	
Kabenge (see also: Kabanga)	Congo (Democratic Republic of the)		9° 01' 13" S 26° 44' 55" E	788 m
Kabengere	Congo (Democratic Republic of the)		9° 08' 00" S 26° 16' 00" E	732 m
Kaberamaido district	Uganda			
Kabete	Kenya		1° 16' 00" S 36° 43' 00" E	1826 m
Kabi stream, Lire Payam, NW of Mogiri town	South Sudan		3° 56' 52" N 31° 34' 41" E	929 m
Kabinda	Congo (Democratic Republic of the)		6° 08' 00" S 24° 29' 00" E	842 m
Kabinda (former) district (see Lomami province)	Congo (Democratic Republic of the)			
Kabinda territory	Congo (Democratic Republic of the)		6° 08' 00" S 24° 29' 00" E	
Kabinda, 129 km NNW (see Kaseu)	Congo (Democratic Republic of the)		5° 11' 00" S 23° 51' 00" E	
Kabir (see Kabwir)	Nigeria		9° 24' 00" N 9° 34' 00" E	800 m
Kabira	Congo (Democratic Republic of the)		2° 03' 00" S 28° 55' 00" E	1519 m
Kabire (see Cabiri)	Angola		8° 54' 55" S 13° 40' 09" E	87 m
Kabiri (see Cabiri)	Angola		8° 54' 55" S 13° 40' 09" E	87 m
Kabis (see Gabès), Qabis province	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Kabive, 50 km SW	Congo (Democratic Republic of the)			
Kabobo forest, 4 km SW Talama (see also: Talama, 4 km SW)	Congo (Democratic Republic of the)		4° 59' 29" S 29° 04' 49" E	1950 m
Kabobo, mount (see also: Mount Kabobo)	Congo (Democratic Republic of the)		5° 04' 00" S 29° 00' 00" E	2440 m
Kabompo (see also: Kabompo Boma, Kapombo Boma)	Zambia		13° 36' 00" S 24° 12' 00" E	1027 m
Kabompo Boma (see Kabompo)	Zambia		13° 36' 00" S 24° 12' 00" E	1027 m
Kabompo district	Zambia		13° 15' 00" S 24° 10' 00" E	
Kabompo, near	Zambia		13° 36' 00" S 24° 12' 00" E	
Kabongo	Congo (Democratic Republic of the)		7° 19' 00" S 25° 35' 00" E	918 m
Kaboyaboya cave, near Lubudi, near Kaio rapids, south fork Kapandula river (see also: Grotte de Kaboyaboya, Kaboyaboya grot)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	
Kaboyaboya grot (see Kaboyaboya cave), near Lubudi, near Kaio rapids, south fork Kapandula river	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	
Kabr Aun, lake (see Gabrun, Lake)	Libya		26° 48' 11" N 13° 32' 07" E	
Kabras Forest, 97 km SW Kitale	Kenya		0° 26' 00" N 34° 48' 00" E	
Kabuba Camp, Manjolo Communal Land	Zimbabwe		17° 56' 00" S 27° 39' 00" E	
Kabulonga	Zambia		15° 25' 00" S 28° 21' 00" E	1275 m
Kabusi Forest, 2 km W Stutterheim (see also: Stutterheim, 2 km W)	South Africa		32° 31' 00" S 27° 15' 30" E	
Kabusi Forest station, 12 km W Stutterheim (see also: Stutterheim, 12 km W)	South Africa		32° 35' 00" S 27° 17' 00" E	
Kabuta Village	Namibia		17° 48' 00" S 25° 05' 00" E	2900 ft
Kabuyta (see Kapoeta)	South Sudan		4° 46' 18" N 33° 35' 25" E	654 m
Kabwe (see also: Broken Hill)	Zambia		14° 26' 00" S 28° 27' 00" E	1172 m
Kabwe, 50 km SW Kananga (see also: Kananga, 50 km SW, Luluaburg, 50 km SW)	Congo (Democratic Republic of the)		6° 12' 00" S 22° 23' 00" E	610 m
Kabwir (see also: Kabir)	Nigeria		9° 24' 00" N 9° 34' 00" E	800 m
Kabwir, 1 mi [=1.6 km] S	Nigeria		9° 24' 00" N 9° 34' 00" E	
Kacheliba, 16 mi [=25.7 km] NNE (see Nakuchett)	Kenya		1° 46' 00" N 35° 07' 00" E	1311 m
Kadam, mount (see also: Debasien, mount, Kokolyo, Mount Debasien, Mount Kadam)	Uganda		1° 43' 19" N 34° 42' 49" E	
Kade Agricultural Research Station	Ghana		6° 05' 00" N 0° 50' 00" W	127 m
Kade Agricultural Research Station, SE	Ghana		6° 05' 00" N 0° 50' 00" W	127 m
Kade, 11 km NE	Ghana		6° 07' 00" N 0° 34' 00" W	
Kade, 6 mi [=9.7 km] N	Ghana		6° 10' 00" N 0° 50' 00" W	
Kade, 6 mi [=9.7 km] NW	Ghana		6° 09' 00" N 0° 54' 00" W	

Kade, 7 mi [=11.3 km] NE	Ghana		6° 09' 00" N 0° 45' 00" W	
Kadehe River	Congo (Democratic Republic of the)		1° 09' 00" S 29° 29' 00" E	1250 m
Kadia, Lake Kisale	Congo (Democratic Republic of the)		8° 16' 00" S 26° 36' 00" E	556 m
Kadioa (see Kadyoha)	Côte d'Ivoire		8° 58' 00" N 5° 53' 00" W	429 m
Kadioa, near, on Bou river	Côte d'Ivoire	ca.	8° 58' 00" N 5° 53' 00" W	
Kadiogo province	Burkina Faso			
Kadioha (see Kadyoha)	Côte d'Ivoire		8° 58' 00" N 5° 53' 00" W	429 m
Kadjamba (see Katchamba)	Togo		9° 53' 15" N 0° 31' 33" E	151 m
Kadjambe (see Katchamba)	Togo		9° 53' 15" N 0° 31' 33" E	151 m
Kadjebi (see Kadjiebi)	Ghana		7° 32' 00" N 0° 28' 00" E	281 m
Kadjidji (see Kajuju)	Congo (Democratic Republic of the)		2° 09' 00" S 28° 54' 00" E	1455 m
Kadjiebi (see also: Kadjebi, Kagyebi, Kajiebi)	Ghana		7° 32' 00" N 0° 28' 00" E	281 m
Kadjudju (see Kajuju)	Congo (Democratic Republic of the)		2° 09' 00" S 28° 54' 00" E	1455 m
Kadugli	Sudan		11° 00' 00" N 29° 43' 00" E	
Kadugli (see also: Kaduqli)	Sudan		11° 01' 00" N 29° 43' 00" E	501 m
Kadugli, 2 km NE (see Talao, Jabal)	Sudan		11° 02' 00" N 29° 43' 00" E	550 m
Kaduna	Nigeria		10° 31' 23" N 7° 26' 25" E	612 m
Kaduna state	Nigeria			
Kaduqli (see Kadugli)	Sudan		11° 01' 00" N 29° 43' 00" E	501 m
Kadyamba (see Katchamba)	Togo		9° 53' 15" N 0° 31' 33" E	151 m
Kadyoha (see also: Kadioa, Kadioha)	Côte d'Ivoire		8° 58' 00" N 5° 53' 00" W	429 m
Kaédi, W edge	Mauritania		16° 08' 55" N 13° 30' 58" W	20 m
Kaes, 17 km N, 88 km E (see Welverdien Farm 328)	Namibia		25° 42' 00" S 19° 59' 00" E	
Kaffraria (see Caffraria)	South Africa			
Kaffraria, Farm (see also: Farm Kaffraria)	South Africa		27° 48' 00" S 25° 07' 00" E	
Kaffrine	Senegal		14° 07' 18" N 15° 41' 35" W	16 m
Kaffrine region	Senegal			
Kaffrine, 15 km N	Senegal		14° 08' 00" N 15° 34' 00" W	
Kafikisira village	Malawi		9° 56' 00" S 33° 53' 00" E	
Kafr ash Shaykh governorate (see also: Kafr-El-Sheikh governorate |PC:KS|)	Egypt			
Kafr Da'ud (see also: Kafr Dâwûd)	Egypt		30° 28' 00" N 30° 49' 00" E	12 m
Kafr Dâwûd (see Kafr Da'ud)	Egypt		30° 28' 00" N 30° 49' 00" E	12 m
Kafr-PC:KS|)	Egypt			
Kafsa (see Gafsa)	Tunisia		34° 25' 30" N 8° 47' 03" E	297 m
Kafue Game Reserve (see Kafue National Park)	Zambia		14° 30' 00" S 26° 10' 00" E	
Kafue Gorge	Zambia		15° 52' 00" S 28° 30' 00" E	
Kafue Gorge, near	Zambia		15° 51' 00" S 28° 27' 00" E	
Kafue National Park (see also: Kafue Game Reserve, Kafue National Park No. 11)	Zambia		14° 30' 00" S 26° 10' 00" E	
Kafue National Park No. 11 (see Kafue National Park)	Zambia		14° 30' 00" S 26° 10' 00" E	
Kafue River (see also: Lufuu River)	Zambia		15° 56' 00" S 28° 55' 00" E	
Kafukola	Tanzania		8° 05' 00" S 31° 57' 00" E	1126 m
Kafwe	Congo (Democratic Republic of the)		8° 22' 00" S 29° 15' 00" E	1800 m
Kaga Kodou (Hill) (see Kodou, Kaga (Hill))	Central African Republic		6° 01' 00" N 20° 23' 00" E	
Kagada	Congo (Democratic Republic of the)		3° 11' 00" S 28° 20' 00" E	
Kaga-Nzé (see also: Kaja Nze)	Central African Republic		7° 21' 00" N 20° 11' 00" E	489 m
Kagelu	South Sudan		4° 03' 11" N 30° 36' 33" E	834 m
Kagera region (see also: West Lake region |PC:KG|)	Tanzania			
Kagera National Park (see Akagera Park)	Rwanda		1° 30' 00" S 30° 30' 00" E	
Kaggasmondt (see Kaggasmoudt)	South Africa		32° 52' 30" S 26° 14' 20" E	490 m
Kaggasmoudt (see also: Kaggasmondt)	South Africa		32° 52' 30" S 26° 14' 20" E	490 m
Kagolomolo-Busi island, near Entebbe	Uganda		0° 04' 00" N 32° 33' 00" E	1158 m
Kagoro	Nigeria		9° 36' 00" N 8° 23' 00" E	860 m
Kagoro	Nigeria		9° 36' 28" N 8° 23' 25" E	863 m
Kagyebi (see Kadjiebi)	Ghana		7° 32' 00" N 0° 28' 00" E	281 m
Kahama (see Gahama)	Congo (Democratic Republic of the)		1° 13' 00" S 29° 28' 00" E	1250 m
Kahen (see Kahin)	Côte d'Ivoire		6° 54' 50" N 7° 37' 39" W	250 m

Kahin (see also: Kahen)	Côte d'Ivoire		6° 54' 50" N 7° 37' 39" W	250 m
Kahitumba (Mutaka)	Congo (Democratic Republic of the)			
Kahuzi	Congo (Democratic Republic of the)			
Kahuzi-Biega National Park	Congo (Democratic Republic of the)		2° 00' 00" S 28° 45' 00" E	
Kai Kai, 18 mi [=29 km] SE	Botswana	ca.	20° 00' 00" S 21° 15' 00" E	
Kai Kai, 25 mi [=40 km] SE (see Drodsky Caves)	Botswana		20° 07' 00" S 21° 22' 00" E	
Kaibibich	Kenya		1° 12' 12" N 35° 17' 05" E	2250 m
Kaiboni River	Kenya		1° 26' 00" N 35° 04' 00" E	1372 m
Kaikai, 20 mi [=32 km] SE	Botswana		18° 52' 00" S 21° 22' 00" E	
Kailo, road to Kalima	Congo (Democratic Republic of the)		2° 38' 00" S 26° 06' 00" E	602 m
Kailpos Hill	Kenya		1° 12' 00" N 35° 08' 00" E	2134 m
Kaimosi, W Nyanza (see also: Kiamosi)	Kenya		0° 08' 00" N 34° 51' 00" E	
Kairo (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
Kairouan governorate	Tunisia			
Kairouan, 50 km WSW (see Djebel Trozza mine)	Tunisia		35° 30' 07" N 9° 35' 29" E	
Kairuni	Kenya		0° 11' 11" N 37° 52' 20" E	
Kaja Nze (see Kaga-Nzé)	Central African Republic		7° 21' 00" N 20° 11' 00" E	489 m
Kajamba (see Katchamba)	Togo		9° 53' 15" N 0° 31' 33" E	151 m
Kajata area (see Kayata area), near Donyo Sabuk	Kenya		1° 07' 41" S 37° 19' 39" E	
Kajiado county	Kenya			
Kajido district	Kenya			
Kajiebi (see Kadjiebi)	Ghana		7° 32' 00" N 0° 28' 00" E	281 m
Kajiko North, South of Yei	South Sudan		3° 51' 25" N 30° 36' 27" E	
Kajiko South	South Sudan			
Kajo Kaji, 10 km W	South Sudan	ca.	3° 53' 00" N 31° 40' 00" E	
Kajo Kaji, 10 mi [=16 km] W	South Sudan		3° 53' 00" N 31° 40' 00" E	1173 m
Kajo Keji Civil Hospital (see Mundari Civil Hospital)	South Sudan		3° 51' 10" N 31° 39' 26" E	
Kajo-Keji county	South Sudan			
Kajo-Keji County Health Department Headquarters	South Sudan		3° 51' 10" N 31° 39' 32" E	955 m
Kajuchu (see Kajuju)	Congo (Democratic Republic of the)		2° 09' 00" S 28° 54' 00" E	1455 m
Kajuju (see also: Kadjidji, Kadjudju, Kajuchu)	Congo (Democratic Republic of the)		2° 09' 00" S 28° 54' 00" E	1455 m
Kaka	South Sudan		10° 36' 00" N 32° 11' 00" E	375 m
Kaka, 7 mi [=11 km] S	South Sudan	ca.	10° 36' 00" N 32° 11' 00" E	
Kakamas, 20.5 km NW (see Farm Northern Kakamas)	South Africa		28° 39' 00" S 20° 26' 00" E	
Kakamas, 47 km NW	South Africa		28° 27' 00" S 20° 19' 00" E	
Kakamega	Kenya		0° 17' 00" N 34° 45' 00" E	1523 m
Kakamega	Kenya		0° 16' 00" N 34° 53' 00" E	
Kakamega county	Kenya			
Kakamega district	Kenya			
Kakamega Forest, 8 mi [=13 km] SE Kakamega (see also: Kakamega Forest Reserve, Kakamega, 8 mi [=13 km] SE)	Kenya		0° 16' 00" N 34° 53' 00" E	1585 m
Kakamega Forest Mine, 10 mi [=16 km] S Kakamega	Kenya		0° 10' 49" N 34° 51' 08" E	
Kakamega Forest Reserve (see Kakamega Forest)	Kenya		0° 16' 00" N 34° 53' 00" E	1585 m
Kakamega Forest Station, 3.5 km S, 12 km E Kakamega (see also: Kakamega, 3.5 km S, 12 km E)	Kenya		0° 16' 00" N 34° 53' 00" E	1615 m
Kakamega Forest Station, 1 mi [=1.6 km] NE	Kenya		0° 17' 00" N 34° 47' 00" E	1615 m
Kakamega Forest Station, 4 mi [=6.4 km] E	Kenya	ca.	0° 17' 00" N 34° 47' 00" E	1615 m
Kakamega, 3.5 km S, 12 km E (see Kakamega Forest Station), 3.5 km S, 12 km E Kakamega	Kenya		0° 16' 00" N 34° 53' 00" E	1615 m
Kakamega, 5 km S, 16 km E	Kenya		0° 16' 00" N 34° 53' 00" E	
Kakamega, 6 km S, 16 km E	Kenya		0° 13' 00" N 34° 54' 00" E	
Kakamega, 6.5 km S, 19 km E (see Ikuywa river bridge)	Kenya		0° 12' 00" N 34° 54' 00" E	
Kakamega, 8 mi [=13 km] S	Kenya	ca.	0° 16' 00" N 34° 53' 00" E	
Kakamega, 8 mi [=13 km] SE (see Kakamega Forest)	Kenya		0° 16' 00" N 34° 53' 00" E	1585 m
Kakanda	Congo (Democratic Republic of the)		3° 10' 00" S 28° 21' 00" E	1525 m
Kakanda cave, on Lualaba (see also: Grotte de Kakanda, Grotte de Kondo, Kakanda grot, Kondo cave, Kondo grot)	Congo (Democratic Republic of the)		10° 47' 00" S 26° 36' 00" E	1438 m
Kakanda grot (see Kakanda cave), on Lualaba	Congo (Democratic Republic of the)		10° 47' 00" S 26° 36' 00" E	1438 m
Kakanda Mutaka	Congo (Democratic Republic of the)		10° 44' 00" S 26° 23' 00" E	
Kakindo cave (see Kakondo cave), near SW shore of Lake Kivu	Congo (Democratic Republic of the)		2° 16' 00" S 28° 51' 00" E	

Kakindo grotte (see Kakondo cave), near SW shore of Lake Kivu	Congo (Democratic Republic of the)		2° 16' 00" S 28° 51' 00" E	
Kakitumba	Rwanda		1° 29' 00" S 30° 17' 00" E	1400 m
Kakodo	Congo (Democratic Republic of the)		4° 40' 00" N 29° 30' 00" E	
Kakoi, near Kikwit	Congo (Democratic Republic of the)		5° 06' 11" S 18° 55' 58" E	451 m
Kakonda	Congo (Democratic Republic of the)		5° 50' 00" S 28° 42' 00" E	800 m
Kakonde	Congo (Democratic Republic of the)		7° 52' 00" S 29° 43' 00" E	
Kakonde river	Congo (Democratic Republic of the)		11° 04' 39" S 26° 31' 15" E	
Kakondo, near SW shore of Lake Kivu	Congo (Democratic Republic of the)		2° 15' 00" S 28° 42' 00" E	3051 m
Kakondo cave, near SW shore of Lake Kivu (see also: Grotte de Kakindo, Grotte de Kakondo, Kakindo cave, Kakindo grotte, Kakondo grot)	Congo (Democratic Republic of the)		2° 16' 00" S 28° 51' 00" E	
Kakondo grot (see Kakondo cave), near SW shore of Lake Kivu	Congo (Democratic Republic of the)		2° 16' 00" S 28° 51' 00" E	
Kakontwa (see Kakontwe), road to Kambove	Congo (Democratic Republic of the)		10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwe, road to Kambove, ca. 8 km S Likasi (see also: Grotte de Kalomoni, Jadotville, ca. 8 km S, Kakontwa, Kakontwe Camp, Kalomoni cave, Kalomoni grot, Likasi, ca. 8 km S)	Congo (Democratic Republic of the)		10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwe Camp (see Kakontwe), Likasi, ca. 8 km S	Congo (Democratic Republic of the)		10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwe cave, Likasi, ca. 8 km S (see also: Grotte de Kakontwe, Kakontwe grot)	Congo (Democratic Republic of the)		10° 59' 00" S 26° 38' 00" E	1294 m
Kakontwe grot (see Kakontwe cave), Likasi, ca. 8 km S	Congo (Democratic Republic of the)		10° 59' 00" S 26° 38' 00" E	1294 m
Kakungu	Congo (Democratic Republic of the)		0° 07' 00" S 29° 37' 00" E	925 m
Kakyelo, on the Luombwa River	Congo (Democratic Republic of the)		12° 21' 00" S 29° 35' 00" E	
Kalaa Matmata, near (see Matmata, near), Boukedma	Tunisia		33° 33' 00" N 9° 58' 00" E	400 m
Kalabo	Zambia		14° 58' 00" S 22° 41' 00" E	1019 m
Kalahari	Botswana			
Kalahari Gemsbok Game Reserve (see Kalahari Gemsbok National Park)	South Africa		25° 41' 00" S 20° 20' 00" E	
Kalahari Gemsbok National Park (see also: Kalahari Gemsbok Game Reserve, Nasionale Kalahari Gemsbok-Wildtuin)	South Africa		25° 41' 00" S 20° 20' 00" E	
Kalam (see Kelem)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Kalam, 30 km N (see Omo Valley)	Ethiopia	ca.	6° 00' 00" N 35° 50' 00" E	
Kalama (location) (see also: Mbeyo Hill)	Kenya		1° 36' 00" S 37° 20' 00" E	
Kalama Hills	Kenya		1° 37' 00" S 37° 21' 00" E	
Kalama location	Kenya		1° 38' 00" S 37° 20' 00" E	
Kalamaloué forest and game reserve (see Kalamaloué, réserve forestière et de chasse)	Cameroon		12° 08' 00" N 14° 54' 00" E	
Kalamaloué, réserve forestière et de chasse, 7 mi [= 11 km] WNW Kousseri (see also: Kalamaloué forest and game reserve, Kousséri, 7 mi [=11 km] WNW, Réserve forestière et de chasse de Kalamaloué)	Cameroon		12° 08' 00" N 14° 54' 00" E	
Kalambo Falls (see also: Kalembo)	Tanzania		8° 36' 00" S 31° 14' 00" E	
Kalambo Road	Zambia		8° 50' 00" S 31° 25' 00" E	5400 ft
Kalamou	Kenya			
Kalanda	Congo (Democratic Republic of the)			
Kalandula (see Calandula)	Angola		9° 06' 00" S 15° 57' 00" E	626 m
Kalangala	Uganda		0° 18' 32" S 32° 13' 30" E	1180 m
Kalangala district	Uganda			
Kalangala, 1.0 km N, 0.5 km E	Uganda	ca.	0° 18' 32" S 32° 13' 30" E	1140 m
Kalangala, 1.0 km S	Uganda	ca.	0° 18' 32" S 32° 13' 30" E	1180 m
Kalanzoni	Kenya	ca.	1° 46' 00" S 37° 22' 00" E	
Kalehe territory	Congo (Democratic Republic of the)	ca.	2° 06' 00" S 28° 55' 00" E	
Kalembo (see Kalambo Falls)	Tanzania		8° 35' 00" S 31° 13' 00" E	
Kalemi (see Kalemie)	Congo (Democratic Republic of the)		5° 56' 00" S 29° 12' 00" E	763 m

Kalemie (see also: Albertstad, Albertville, Kalemi)	Congo (Democratic Republic of the)		5° 56' 00" S 29° 12' 00" E	763 m
Kalemie territory	Congo (Democratic Republic of the)		5° 56' 00" S 29° 12' 00" E	
Kalemie-Moba (road?) (see also: Albertville-Moba (road?))	Congo (Democratic Republic of the)		5° 57' 00" S 29° 01' 00" E	
Kalenda	Congo (Democratic Republic of the)		7° 07' 47" S 23° 32' 11" E	821 m
Kalenda [Kasai]	Congo (Democratic Republic of the)		7° 08' 00" S 23° 32' 00" E	821 m
Kalichero	Zambia		13° 33' 00" S 32° 24' 00" E	896 m
Kalifi (see Kilifi)	Kenya		3° 38' 00" S 39° 51' 00" E	0 m
Kalikimvua	Congo (Democratic Republic of the)		4° 15' 00" N 29° 45' 00" E	
Kalilani village	Tanzania		6° 01' 03" S 29° 45' 08" E	785 m
Kalimabenge River	Congo (Democratic Republic of the)		3° 24' 38" S 29° 08' 42" E	
Kalimbuka	Malawi		15° 23' 00" S 35° 19' 00" E	
Kalimoni	Kenya		1° 06' 00" S 37° 01' 00" E	1551 m
Kalina	Congo (Democratic Republic of the)		4° 22' 00" S 15° 17' 00" E	128 m
Kalinzu Forest	Uganda		0° 25' 00" S 30° 05' 00" E	
Kalipti	Kenya			
Kaliro district	Uganda			
Kalis (see also: Callis, Il Marodi)	Somalia		8° 26' 00" N 49° 05' 00" E	308 m
Kaliza [river] (see Kiliza [river]), near Kamitunga	Congo (Democratic Republic of the)		3° 22' 16" S 28° 01' 22" E	
Kalkfontein, Farm 111KP (see Madikwe Game Reserve)	South Africa		24° 45' 58" S 26° 22' 16" E	
Kalkoenkrans Cave (see Farm Victoriaspoort 18IT)	South Africa		26° 02' 00" S 30° 19' 00" E	
Kallendu, 19 km N Labé (see also: Labé, 19 km N)	Guinea		11° 25' 55" N 12° 35' 38" W	950 m
Kaloba, 5 km from	Congo (Democratic Republic of the)	ca.	10° 16' 00" S 27° 37' 00" E	
Kalomo	Zambia		17° 03' 00" S 26° 30' 00" E	1224 m
Kalomoni cave (see Kakontwe), Likasi, 8 km S	Congo (Democratic Republic of the)		10° 59' 00" S 26° 40' 00" E	1294 m
Kalomoni grot (see Kakontwe), Likasi, 8 km S	Congo (Democratic Republic of the)		10° 59' 00" S 26° 40' 00" E	1294 m
Kalondji (see Kalongi)	Congo (Democratic Republic of the)		6° 14' 00" S 23° 23' 00" E	799 m
Kalonduni	Kenya	ca.	1° 38' 00" S 37° 20' 00" E	
Kalonge, W Ruwenzori	Congo (Democratic Republic of the)		0° 20' 00" N 29° 48' 00" E	2455 m
Kalongi (see also: Kalondji, Kalonji)	Congo (Democratic Republic of the)		6° 14' 00" S 23° 23' 00" E	799 m
Kalonji (see Kalongi)	Congo (Democratic Republic of the)		6° 14' 00" S 23° 23' 00" E	799 m
Kalosia (see also: Kalossia, Kolossia)	Kenya		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Kalossia (see Kalosia)	Kenya		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Kalulako	Congo (Democratic Republic of the)		11° 42' 00" S 27° 34' 00" E	
Kalumbu cave, near Kabolela, near Likasi (see also: Grotte de Kalumbu, Kalumbu grot)	Congo (Democratic Republic of the)		10° 51' 00" S 26° 39' 00" E	
Kalumbu grot (see Kalumbu cave), near Kabolela, near Likasi	Congo (Democratic Republic of the)		10° 51' 00" S 26° 39' 00" E	
Kalunda (see Calunda)	Angola		12° 07' 00" S 23° 28' 00" E	1487 m
Kalungu district	Uganda			
Kalungu River High Water	Zambia		9° 30' 00" S 32° 45' 00" E	5000 ft
Kalutenge	Congo (Democratic Republic of the)		10° 30' 00" S 25° 37' 00" E	
KalyoPC:QL|)	Egypt			
Kama tin mine, near Leventobo	Uganda		0° 09' 00" S 33° 54' 00" E	
Kama Zuma township	Zimbabwe		17° 50' 00" S 31° 03' 00" E	
Kamama (church)	Kenya		0° 26' 00" S 37° 28' 00" E	1219 m
Kamande	Congo (Democratic Republic of the)		0° 35' 00" S 29° 18' 00" E	925 m
Kamanga	Tanzania	ca.	2° 32' 02" S 32° 50' 20" E	
Kamanjab Kaross, 15 km N, 24 km W	Namibia		19° 37' 00" S 14° 38' 00" E	1200 m
Kamanjab, 40 km W (see Farm Ombonde 616)	Namibia		19° 33' 00" S 14° 32' 00" E	
Kamanjab, 40 km W (see Ombonde Farm 616)	Namibia		19° 34' 00" S 14° 29' 00" E	
Kamatanda, near Likasi	Congo (Democratic Republic of the)		10° 57' 00" S 26° 46' 00" E	
Kambai Forest Reserve	Tanzania		4° 59' 00" S 38° 41' 00" E	

Kambemba	Congo (Democratic Republic of the)		0° 34' 00" N 29° 41' 00" E	800 m
Kamberg Nature Reserve	South Africa		29° 29' 00" S 29° 41' 00" E	1800 m
Kamberg Valley	South Africa		29° 45' 04" S 29° 21' 49" E	
Kambiti Estate (see also: Kambiti W.H.)	Kenya		0° 49' 00" S 37° 14' 00" E	
Kambiti W.H. (see Kambiti Estate)	Kenya		0° 49' 00" S 37° 14' 00" E	
Kambove, 10 km Shinkolobwe and 35 km Jadotville (see also: Dethiox caves, Dethiox grotten, Detioux Cave, Grottes de Dethiox)	Congo (Democratic Republic of the)		10° 50' 00" S 26° 39' 00" E	
Kambowa, Naleza	Zambia		15° 30' 00" S 27° 25' 00" E	
Kambu	Kenya		2° 35' 00" S 38° 05' 00" E	826 m
Kambui Hills Forest Reserve	Sierra Leone		7° 46' 17" N 11° 16' 21" W	
Kambukabakali	Congo (Democratic Republic of the)		0° 01' 00" S 29° 36' 00" E	930 m
Kambuzuma Township	Zimbabwe		17° 51' 16" S 30° 58' 02" E	1444 m
Kameelsleep, Nassob [=Nossob camp] (see also: Nossob camp)	South Africa		25° 50' 00" S 20° 44' 00" E	
Kamferboom, 20 mi [=32 km] NW Twee Rivieren (see also: Kamfersboom, Twee Rivieren, 20 mi [=32 km] NW)	South Africa		26° 07' 00" S 20° 37' 00" E	
Kamfersboom (see Kamferboom), 20 mi [=32 km] NW Twee Rivieren	South Africa		26° 07' 00" S 20° 37' 00" E	
Kamiama (see Kaniama)	Congo (Democratic Republic of the)		7° 31' 00" S 24° 11' 00" E	887 m
Kamikoni	Congo (Democratic Republic of the)		1° 16' 00" S 29° 19' 00" E	
Kamina	Togo		7° 31' 00" N 1° 10' 00" E	206 m
Kamina territory	Congo (Democratic Republic of the)		8° 44' 00" S 25° 00' 00" E	
Kamisa banana plantation, near Chitipa, Vilyaga village (see also: Kamisa, Vilyaga village)	Malawi		9° 42' 00" S 33° 17' 00" E	
Kamisa, Vilyaga village (see Kamisa banana plantation), near Chitipa	Malawi		9° 42' 00" S 33° 17' 00" E	
Kamisu, Dinder River	Sudan			
Kamituga	Congo (Democratic Republic of the)		3° 03' 19" S 28° 10' 55" E	1207 m
Kamituga and Kampene, road between	Congo (Democratic Republic of the)	ca.	3° 38' 26" S 27° 15' 46" E	
Kammannassie M.C.A [Camp 2], 8 km SE Dysselsdorp (see also: Dysselsdorp, 8 km SE)	South Africa		33° 36' 00" S 22° 33' 00" E	
Kammya Moto (see Kampi ya Moto (railroad station))	Kenya		0° 08' 00" S 35° 56' 00" E	
Kamohohora	Congo (Democratic Republic of the)		0° 40' 00" S 29° 33' 00" E	
Kamp u.m.H(aut).K(atanga)., on a banana tree (see also: Kamp U.M.H.K.)	Congo (Democratic Republic of the)		11° 41' 00" S 27° 29' 00" E	
Kamp U.M.H.K. (see Kamp u.m.H(aut).K(atanga).), near Elisabethville	Congo (Democratic Republic of the)		11° 41' 00" S 27° 29' 00" E	
Kampala	Uganda		0° 18' 56" N 32° 33' 56" E	1202 m
Kampala	Congo (Democratic Republic of the)		2° 12' 00" S 27° 45' 00" E	1068 m
Kampala district	Uganda		0° 20' 00" N 32° 35' 00" E	4000 ft
Kampala, 13 km NW (see Kawanda, Agriculture Research Station)	Uganda		0° 22' 29" N 32° 32' 11" E	1193 m
Kampala, 24 km N (see Namulonge)	Uganda		0° 31' 47" N 32° 36' 09" E	1133 m
Kampala, 48 km E (see Namagunga, Buganda)	Uganda		0° 22' 26" N 32° 52' 43" E	1140 m
Kampala, 5 - 11 km N (see Katalemwa)	Uganda		0° 24' 27" N 32° 35' 06" E	
Kampi Ya Mawe	Tanzania		1° 30' 00" S 33° 50' 00" E	
Kampi ya Moto (railroad station) (see also: Kammya Moto)	Kenya		0° 08' 00" S 35° 56' 00" E	1980 m
Kampi Ya Samaki (see also: Kampi ya Samalei, Kornpuosamaki, Maragat, 15 km N, Maragat, 15 mi [=24 km] N, Naragat, 15 mi [=24 km] N)	Kenya		0° 36' 00" N 36° 01' 00" E	
Kampi Ya Samaki Escarpment	Kenya		0° 36' 00" N 36° 01' 00" E	
Kampi Ya Samaki, 2 mi [=3.2 km] S	Kenya		0° 36' 00" N 36° 01' 00" E	975 m
Kampi Ya Samaki, near	Kenya		0° 37' 01" N 36° 01' 59" E	1006 m
Kampi ya Samalei (see Kampi Ya Samaki)	Kenya		0° 36' 00" N 36° 01' 00" E	1054 m
Kampiva Samdet, near	Kenya		0° 38' 00" N 36° 17' 00" E	
Kampo (see Campo)	Cameroon		2° 22' 00" N 9° 49' 00" E	0 m
Kamponde	Congo (Democratic Republic of the)		6° 42' 00" S 22° 56' 00" E	829 m
Kamuani	Kenya	ca.	1° 31' 00" S 37° 16' 00" E	
Kamuani Area	Kenya		1° 31' 00" S 37° 16' 00" E	
Kamuesha (see also: Kamueshi, Kamwesha)	Congo (Democratic Republic of the)		6° 12' 00" S 21° 26' 00" E	608 m

Kamueshi (see Kamuesha)	Congo (Democratic Republic of the)		6° 12' 00" S 21° 26' 00" E	608 m
Kamuku Forest Reserve (see Kamuku game reserve)	Nigeria		10° 48' 17" N 6° 17' 47" E	
Kamuku game reserve (see also: Kamuku Forest Reserve)	Nigeria		10° 48' 17" N 6° 17' 47" E	
Kamuli district	Uganda			
Kamusimbi	Congo (Democratic Republic of the)		3° 01' 00" S 28° 13' 00" E	
Kamuuani	Kenya	ca.	1° 31' 00" S 37° 16' 00" E	
Kamuzuku, lake 1 (see also: Lake Kamuzuku 1)	Uganda		0° 15' 49" S 30° 09' 09" E	
Kamuzuku, lake 2 (see also: Lake Kamuzuku 2)	Uganda		0° 15' 54" S 30° 09' 25" E	
Kamwenge district	Uganda			
Kamwesha (see Kamuesha)	Congo (Democratic Republic of the)		6° 12' 00" S 21° 26' 00" E	608 m
Kana Block, Shangani River	Zimbabwe		18° 37' 00" S 27° 22' 00" E	
Kanaan, Hazyview, near	South Africa		25° 04' 00" S 31° 06' 00" E	ca. 557 m
Kanabeam, Farm 331 (see Farm Kanabeam 331)	Namibia		28° 09' 00" S 17° 31' 00" E	375 m
Kanaka Bat Cave	Mauritius		20° 24' 46" S 57° 31' 20" E	450 m
Kananga (see also: Lulua, Luluabourg, Luluaburg, Mission St Joseph)	Congo (Democratic Republic of the)		5° 53' 45" S 22° 25' 04" E	608 m
Kananga, 50 km SW (see Kabwe)	Congo (Democratic Republic of the)		6° 12' 00" S 22° 23' 00" E	610 m
Kanan-Koffi-Kro (see Konankoffikro)	Côte d'Ivoire		6° 58' 00" N 5° 14' 00" W	217 m
Kanapoi	Kenya	ca.	3° 45' 00" N 36° 15' 00" E	
Kanawa, 105 km N Malindi (see also: Malindi, 105 km N)	Kenya		2° 20' 00" S 40° 05' 00" E	12 m
Kanazi (see Bugesera)	Rwanda		2° 08' 44" S 30° 05' 29" E	1432 m
Kandaha Fishing Camp	Zimbabwe		17° 51' 51" S 25° 46' 48" E	
Kandala (see Qandala)	Somalia		11° 28' 16" N 49° 52' 26" E	2 m
Kandi and Malanville, road between	Benin	ca.	11° 32' 00" N 3° 07' 00" E	
Kandi district	Benin			
Kando cave (see also: Grotte de Kando, Kando grot)	Congo (Democratic Republic of the)		10° 49' 00" S 26° 07' 00" E	
Kando grot (see Kando cave)	Congo (Democratic Republic of the)		10° 49' 00" S 26° 07' 00" E	
Kandreho (see also: Kandreo)	Madagascar		17° 29' 00" S 46° 06' 00" E	241 m
Kandreo (see Kandreho)	Madagascar		17° 29' 00" S 46° 06' 00" E	241 m
Kandu (cave)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	
Kanel department	Senegal	ca.	15° 29' 30" N 13° 10' 35" W	
Kanem region	Chad			
Kanga Ngome forest	Tanzania	ca.	7° 51' 14" S 39° 46' 49" E	
Kangamatoko (see also: Kango, Kango Matako, Kango Matoko, Kango Metoko)	Congo		1° 33' 37" N 15° 37' 56" E	363 m
Kangapo One Payam, Saregoro Boma, Kalawa stream	South Sudan		3° 49' 59" N 31° 41' 05" E	954 m
Kangapo Two Payam, Jalimo Boma, Juka stream	South Sudan		3° 43' 45" N 31° 34' 17" E	769 m
Kangatet	Kenya	ca.	2° 15' 05" N 36° 10' 04" E	
Kangbe (see Hamilton Village), near Freetown	Sierra Leone		8° 22' 55" N 13° 15' 35" W	60 m
Kanghan, Hotel de la Gar (see also: Kan-Han)	Guinea		10° 29' 00" N 12° 23' 00" W	
Kango (see also: Congona)	Gabon		0° 09' 00" N 10° 08' 00" E	30 m
Kango (see Kangamatoko)	Congo		1° 33' 37" N 15° 37' 56" E	363 m
Kango Matako (see Kangamatoko)	Congo		1° 33' 37" N 15° 37' 56" E	363 m
Kango Matoko (see Kangamatoko)	Congo		1° 33' 37" N 15° 37' 56" E	363 m
Kango Metoko (see Kangamatoko)	Congo		1° 33' 37" N 15° 37' 56" E	363 m
Kangole Roman Catholic Mission	Uganda		2° 26' 08" N 34° 29' 13" E	
Kangwena	Tanzania		6° 07' 54" S 29° 47' 38" E	780 m
Kan-Han (see Kanghan), Hotel de la Gar	Guinea		10° 29' 00" N 12° 23' 00" W	
Kanhoca (see Canhoca)	Angola		9° 07' 48" S 14° 37' 48" E	
Kani (see Manigri)	Benin		8° 58' 21" N 1° 43' 27" E	309 m
Kaniama (see also: Kamiama)	Congo (Democratic Republic of the)		7° 31' 00" S 24° 11' 00" E	887 m
Kaniama territory	Congo (Democratic Republic of the)		7° 31' 00" S 24° 11' 00" E	
Kaniki (see Kaniki Kapangu)	Congo (Democratic Republic of the)		6° 45' 00" S 23° 31' 00" E	805 m
Kaniki Kapangu (see also: Bena-Kaniki, Kaniki, Mutembu Kaniki Kapangu)	Congo (Democratic Republic of the)		6° 45' 00" S 23° 31' 00" E	805 m
Kaniosha (see Kanyosha)	Burundi		3° 24' 41" S 29° 21' 40" E	844 m

Kanisa Janu (see Kanisah)	Sudan		18° 15' 00" N 31° 40' 00" E	239 m
Kanisah	Sudan		18° 15' 00" N 31° 40' 00" E	239 m
(see also: Kanisa Janu, Kenisa)				
Kanjedza River	Zimbabwe		16° 52' 30" S 28° 37' 30" E	
Kanka Sili	Guinea		10° 11' 00" N 12° 29' 00" W	
(see also: Kankasali, Kankasili)				
Kankan prefecture	Guinea			
Kankasali (see Kanka Sili)	Guinea		10° 11' 00" N 12° 29' 00" W	
Kankasili (see Kanka Sili)	Guinea		10° 11' 00" N 12° 29' 00" W	
Kankasili and Souguéta, between	Guinea	ca.	10° 10' 09" N 12° 31' 22" W	
Kankomba River, Lundazi	Zambia		13° 30' 00" S 32° 15' 00" E	2000 ft
Kano	Nigeria		11° 59' 47" N 8° 31' 00" E	476 m
Kano state	Nigeria			
Kano valley (see Kanovlei)	Namibia		19° 14' 00" S 19° 20' 00" E	1400 m
Kano Vley (see Kanovlei)	Namibia		19° 16' 00" S 19° 23' 00" E	1400 m
Kano, 75 mi [=120 km] SE (see Birnin-Kudu)	Nigeria		11° 27' 00" N 8° 30' 00" E	460 m
Kanona, 32 mi [=51.5 km] NE	Zimbabwe			
Kanona, 32 mi [=51.5 km] NE	Zambia			
Kanona, 42 mi [=68 km] SW	Zimbabwe			
Kanona, 42 mi [=68 km] SW	Zambia			
Kanovlei	Namibia		19° 14' 00" S 19° 20' 00" E	1400 m
(see also: Kano valley, Kano Vley)				
Kantundwe	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1150 m
(see also: Kontundwe)				
Kanungu district	Uganda			
Kanyale stream	Zambia		10° 58' 00" S 24° 07' 00" E	
Kanyamiketo	Rwanda		1° 26' 00" S 29° 35' 00" E	
Kanyangaren (see Kanyangareng)	Kenya		1° 47' 00" N 35° 08' 00" E	
Kanyangareng, Kara-Suk	Kenya		1° 47' 00" N 35° 08' 00" E	
(see also: Kanyangaren)				
Kanyatsi	Congo (Democratic Republic of the)		0° 08' 00" S 29° 37' 00" E	940 m
Kanyawamukunzi river	Congo (Democratic Republic of the)		1° 10' 00" S 29° 34' 00" E	1300 m
Kanye, near Lobatse	Botswana		24° 59' 00" S 25° 19' 00" E	1306 m
(see also: Kaoye)				
Kanyemba	Zimbabwe		15° 42' 00" S 30° 19' 00" E	497 m
Kanyinya	Burundi		2° 35' 25" S 30° 04' 55" E	1508 m
Kanyol	Cameroon		2° 43' 00" N 15° 17' 00" E	448 m
(see also: Kanyol)				
Kanyol (see Kanyol)	Cameroon		2° 43' 00" N 15° 17' 00" E	448 m
Kanyosha	Burundi		3° 24' 41" S 29° 21' 40" E	844 m
(see also: Kaniosha)				
Kanza village, near, 5.5 km S Bombo	Tanzania		4° 19' 12" S 38° 00' 00" E	1100 m
(see also: Bombo, 5.5 km S)				
Kanzarue river	Congo (Democratic Republic of the)		1° 09' 00" S 29° 24' 00" E	1150 m
Kanzenze	Congo (Democratic Republic of the)		1° 23' 02" S 29° 12' 51" E	2343 m
Kanzenze mission	Congo (Democratic Republic of the)		10° 31' 00" S 25° 12' 00" E	1157 m
(see also: Liège Sacre-Coeur mission, Mission de Liège Sacre-Coeur)				
Kaoko Otavi	Namibia		18° 18' 00" S 13° 42' 00" E	1370 m
(see also: Gauko-Otavi, Gauko-Otawi, Kaoko-Otavi)				
Kaoko Veld, S part	Namibia	ca.	19° 00' 00" S 13° 00' 00" E	
Kaoko-Otavi (see Kaoko Otavi)	Namibia		18° 18' 00" S 13° 42' 00" E	1370 m
Kaolack region	Senegal			
Kaolack, 6 km E	Senegal	ca.	14° 11' 00" N 16° 15' 00" W	
Kaoye (see Kanye), Lobatsi district	Botswana		24° 59' 00" S 25° 19' 00" E	1306 m
Kap Kap Farm	South Africa		30° 15' 00" S 18° 26' 00" E	975 m
Kapalasa Farm, 3 km N Namadzi village	Malawi		15° 31' 00" S 35° 11' 00" E	1000 m
Kapanga	Congo (Democratic Republic of the)		8° 21' 00" S 22° 35' 00" E	881 m
Kapasakwany (see Kapsokwony)	Kenya		34° 42' 00" N 0° 50' 00" E	
Kapaso	Congo (Democratic Republic of the)		11° 40' 00" S 27° 29' 00" E	
Kapaya (see Kasongo)	Congo (Democratic Republic of the)		4° 27' 00" S 26° 40' 00" E	625 m
Kapchorwa	Uganda		1° 22' 58" N 34° 31' 28" E	2419 m
(see also: Sabei, Sebei)				
Kapchorwa district	Uganda			
Kapchorwa, cave at	Uganda		1° 24' 00" N 34° 27' 00" E	
Kapeddo, 40 km N Lake Baringo	Kenya		1° 10' 00" N 36° 06' 00" E	793 m
(see also: Karpeddo, Karpedo, Lake Baringo, 40 km N)				

Kapelongo (see Capelongo (2))	Angola		14° 55' 00" S 15° 05' 00" E	1197 m
Kapenguria, Tarla's Dam (see also: Tarla's Dam)	Kenya		1° 14' 00" N 35° 07' 00" E	
Kapenguria, 10 mi [=16 km] NNW (see Kongelai Escarpment)	Kenya		1° 28' 00" N 35° 01' 00" E	1350 m
Kapenguria, 70 (?) mi [=113 (?) km] NE (see Sirmai)	Kenya	ca.	1° 28' 00" N 35° 28' 00" E	
Kapeni (see Blantyre)	Malawi		15° 47' 00" S 35° 00' 00" E	1065 m
Kapfumo (see Maputo)	Mozambique		25° 57' 55" S 32° 35' 21" E	63 m
Kaphza (see Gafsa)	Tunisia		34° 25' 30" N 8° 47' 03" E	297 m
Kaphza, cave near (see Gafsa, cave near)	Tunisia		34° 26' 00" N 8° 47' 00" E	
Kapina Estates	Malawi		15° 31' 12" S 35° 10' 48" E	
Kapino dam, Kapina Estates	Malawi		15° 31' 00" S 35° 11' 00" E	1000 m
Kapitango, hill (see Capitango, hill)	São Tomé and Principé		0° 05' 00" N 6° 36' 00" E	
Kapoeta (see also: Kabuyta)	South Sudan		4° 46' 18" N 33° 35' 25" E	654 m
Kapola cave	Swaziland		26° 21' 36" S 31° 10' 12" E	
Kapolet River, Cherangani, 7	Kenya		1° 08' 00" N 35° 09' 00" E	1981 m
Kapolowe, St. Gerard mission (see also: Kapolowe mission, Mission St Gerard, St Gerard mission)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 57' 00" E	1135 m
Kapolowe mission (see Kapolowe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 57' 00" E	1135 m
Kapombo Boma (see Kabompo)	Zambia		13° 36' 00" S 24° 12' 00" E	1027 m
Kaponda (see also: Kaponde, Kapondo)	Congo (Democratic Republic of the)		11° 45' 00" S 27° 20' 00" E	1274 m
Kaponde (see Kaponda)	Congo (Democratic Republic of the)		11° 45' 00" S 27° 20' 00" E	1274 m
Kapondo (see Kaponda)	Congo (Democratic Republic of the)		11° 45' 00" S 27° 20' 00" E	1274 m
Kapongo cave	Zambia		15° 46' 00" S 28° 21' 00" E	
Kaporota Training Camp, Vumbura Plains; Zambezi Pan area on Ronnie's Road	Botswana		19° 00' 25" S 22° 55' 40" E	
Kaporota Training Camp, 5.7 km N	Botswana		18° 59' 51" S 22° 55' 24" E	
Kapovka, mount	Zimbabwe			
Kapsaina (dam)	Kenya		0° 56' 50" N 35° 16' 00" E	610 m
Kapsania	Kenya		1° 29' 00" N 35° 28' 00" E	
Kapseta (see Shimo Kapseta cave)	Kenya	ca.	1° 05' 00" N 34° 45' 00" E	2300 m
Kapsokwony (see also: Kapasakwany)	Kenya		34° 42' 00" N 0° 50' 00" E	
Kapsowar (see also: Kapsowat, Marakwet)	Kenya		0° 59' 00" N 35° 34' 00" E	2019 m
Kapsowat (see Kapsowar)	Kenya		0° 59' 00" N 35° 34' 00" E	2019 m
Kaptagat, 30 mi [=48 km] E Eldoret	Kenya		0° 22' 04" N 35° 28' 16" E	
Kapushia	Congo (Democratic Republic of the)		10° 41' 00" S 22° 52' 00" E	965 m
Kaputir	Kenya		2° 05' 00" N 35° 29' 00" E	750 m
Kara region	Togo			
Karaduwa	Nigeria		12° 19' 00" N 7° 41' 00" E	577 m
Karagwa	Karagwa			
Karakuwisa (see Karakuwise)	Namibia		18° 56' 00" S 19° 44' 00" E	1350 m
Karakuwise (see also: Karakuwisa, Karkubera)	Namibia		18° 56' 00" S 19° 44' 00" E	1350 m
Karama	Rwanda		2° 16' 00" S 30° 16' 00" E	
Karambi	Congo (Democratic Republic of the)		0° 39' 00" S 29° 21' 00" E	896 m
Karambi	Congo (Democratic Republic of the)		2° 45' 02" S 28° 38' 24" E	
Karamoja, Amudat, South Karamoja	Uganda			
Karamoja (former) district, S of	Uganda		2° 45' 00" N 34° 15' 00" E	
Karas region	Namibia			
Karasak district	Kenya			
Karasberg district (see Karasburg district)	Namibia		28° 00' 00" S 18° 30' 00" E	
Karasburg district (see also: Karasberg district, Warmbad district)	Namibia		28° 00' 00" S 18° 30' 00" E	
Karavia [mine]	Congo (Democratic Republic of the)		11° 39' 00" S 27° 17' 00" E	
Karawa	Congo (Democratic Republic of the)		3° 20' 00" N 20° 18' 00" E	453 m
Kareedouw, 5.0 km S, 15.5 km W (see Witels Forest Reserve)	South Africa		33° 59' 47" S 24° 07' 37" E	240 m
Kareedouw, 7.6 km S, 39.0 km W	South Africa		34° 01' 13" S 23° 52' 14" E	5 m
Kareedouw, 9,0 km S, 28.7 km W	South Africa		34° 02' 00" S 23° 59' 00" E	50 m
Kareepoort, Farm (see Farm Kareepoort), Philippolis	South Africa		30° 15' 00" S 25° 04' 00" E	
Karekere (see Kerekere)	Congo (Democratic Republic of the)		2° 42' 00" N 30° 33' 00" E	1158 m

Karema	Tanzania		6° 49' 00" S 30° 26' 00" E	785 m
Karen, 10 mi W Nairobi (see also: Nairobi Fort, Nairobi, 10 mi [=16 km] W)	Kenya		1° 20' 00" S 36° 45' 00" E	
Karen, 10 mi [=16 km] SW, near Nairobi	Kenya	ca.	1° 24' 00" S 36° 40' 00" E	
Karen, near	Kenya	ca.	1° 20' 00" S 36° 45' 00" E	
Karevia	Karevia			
Kariandusi mines, near Gilgil and Lake Elmentaita	Kenya		0° 27' 05" S 36° 16' 55" E	
Kariba	Zimbabwe		16° 31' 00" S 28° 48' 00" E	618 m
Kariba reservoir (see Kariba, lake)	Zimbabwe		17° 00' 00" S 28° 00' 00" E	
Kariba, 6 km E	Zimbabwe		16° 32' 00" S 28° 52' 00" E	
Kariba, island in lake	Zimbabwe		16° 52' 30" S 28° 22' 30" E	
Kariba, lake	Zimbabwe		16° 52' 00" S 28° 22' 00" E	
Kariba, lake	Zimbabwe		17° 07' 00" S 27° 52' 00" E	
Kariba, lake (see also: Elizabeth lake, Kariba reservoir, Lake Elizabeth, Lake Kariba)	Zimbabwe		17° 00' 00" S 28° 00' 00" E	
Kariba, lake, north shore	Zambia		16° 28' 00" S 28° 20' 00" E	
Karibib	Namibia		21° 56' 00" S 15° 50' 00" E	1139 m
Karibib district	Namibia			
Karibib or Okahandja	Namibia			
Karibib, 80 mi [=129 km] E (see Otjimbingwe)	Namibia		22° 21' 00" S 16° 08' 00" E	844 m
Karibiti	Kenya			
Karibumba	Congo (Democratic Republic of the)		0° 22' 00" N 29° 22' 00" E	1412 m
Karkloof Forests, 13 mi Howick (see also: Howick, 13 mi [=21 km] from)	South Africa		29° 24' 00" S 30° 17' 00" E	
Karkubera (see Karakuwise)	Namibia		18° 56' 00" S 19° 44' 00" E	1350 m
Karkurah (see Kurkurah)	Libya		31° 25' 35" N 20° 01' 40" E	18 m
Karkurah (see Kurkurah)	Libya		31° 25' 35" N 20° 01' 40" E	18 m
Karma An Nuzul (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		19° 38' 00" N 30° 25' 00" E	227 m
Karmah (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		19° 38' 00" N 30° 25' 00" E	227 m
Karmah an Nuzul, 40 km from the third waterfall (see also: Karma An Nuzul, Karmah, Kerma, Kerma en Nuzl, Kermah)	Sudan		19° 38' 00" N 30° 25' 00" E	227 m
Karna Block Ranch, Lupane	Zimbabwe			
Karnak Great Temple (see Al Karnak), near Luxor	Egypt		25° 41' 00" N 32° 39' 00" E	
Karochos	Namibia		20° 22' 00" S 14° 58' 00" E	
Karoi (see also: Karoyi)	Zimbabwe		16° 49' 00" S 29° 41' 00" E	1285 m
Karolinenhof [farmstead]	Namibia		22° 27' 00" S 19° 52' 00" E	4000 ft
Karonga (see also: Karonga Beach)	Malawi		9° 56' 00" S 33° 56' 00" E	477 m
Karonga Beach (see Karonga)	Malawi		9° 56' 00" S 33° 56' 00" E	477 m
Karonga district	Malawi			
Karonga, 10 km W, Between Lupaso and Mwawemba, on road to Chitipa	Malawi		9° 57' 01" S 33° 50' 12" E	1000 m
Karonge	Burundi		3° 02' 43" S 29° 20' 01" E	1226 m
Karoo National Park, 9 km NW Beaufort West (see also: Beaufort West, 2 km NW, Beaufort West, 9 km NW)	South Africa		32° 20' 00" S 22° 33' 00" E	
Karoun, lake (see Birkat Qarun)	Egypt		29° 28' 29" N 30° 39' 55" E	
Karoyi (see Karoi)	Zimbabwe		16° 49' 00" S 29° 41' 00" E	1285 m
Karpeddo (see Kapeddo), 40 km N Lake Baringo	Kenya		1° 10' 00" N 36° 06' 00" E	793 m
Karpedo (see Kapeddo), 40 km N Lake Baringo	Kenya		1° 10' 00" N 36° 06' 00" E	793 m
Karugu	Tanzania		1° 19' 00" S 31° 49' 00" E	
Karura Forest	Kenya		1° 14' 00" S 36° 50' 00" E	1828 m
Karuzi province	Burundi			
Kasai	Congo (Democratic Republic of the)	ca.	6° 00' 00" S 22° 00' 00" E	
Kasai Central province (see also: Lulua province)	Congo (Democratic Republic of the)			
Kasai Occidental (former) province, see Kasai or Lulua provinces (see also: West Kasai (former) province)	Congo (Democratic Republic of the)			
Kasai Oriental (former) province, see Sankuru, Lomani or Kasai Oriental provinces (see also: East Kasai (former) province)	Congo (Democratic Republic of the)			
Kasai Oriental province (see also: East Kasai province, Tshilinge (former) district)	Congo (Democratic Republic of the)			
Kasai province	Congo (Democratic Republic of the)			

Kasai, eastern	Congo (Democratic Republic of the)	ca.	6° 00' 00" S 22° 00' 00" E	
Kasaji	Congo (Democratic Republic of the)		10° 22' 00" S 23° 27' 00" E	1087 m
Kasaji Malonga	Congo (Democratic Republic of the)		10° 27' 00" S 23° 27' 00" E	
Kasaka	Congo (Democratic Republic of the)		5° 07' 00" S 26° 09' 00" E	618 m
Kasaka	Congo (Democratic Republic of the)		0° 05' 00" N 29° 36' 00" E	900 m
Kasala (see also: Cassala, Kassala)	Sudan		15° 27' 21" N 36° 23' 56" E	531 m
Kasama	Zambia		10° 12' 00" S 31° 12' 00" E	1240 m
Kasama (see Kasempa)	Zambia		13° 27' 00" S 25° 50' 00" E	1208 m
Kasama Boma	Zambia		10° 13' 00" S 31° 10' 00" E	4500 ft
Kasambongo (see also: Cape Cassa Mabongo)	Congo (Democratic Republic of the)		3° 24' 00" S 29° 08' 00" E	
Kasane	Botswana		17° 49' 00" S 25° 08' 00" E	708 m
Kasane county (see Chobe district)	Botswana			
Kasanga (see also: Bismarckburg)	Tanzania		8° 28' 00" S 31° 09' 00" E	769 m
Kasanga	Congo (Democratic Republic of the)		6° 30' 00" S 16° 55' 00" E	
Kasanga Forest Reserve	Tanzania		7° 11' 40" S 37° 45' 38" E	
Kasangor, Jebel (see Kathangor, Jabal)	South Sudan		5° 45' 00" N 33° 59' 00" E	
Kasanka	Zambia		12° 40' 00" S 30° 19' 00" E	ca. 4000 ft
Kasanka National Park	Zambia		12° 35' 12" S 30° 13' 30" E	
Kasapa	Congo (Democratic Republic of the)		11° 34' 00" S 27° 25' 00" E	1243 m
Kasebaya river (see Kasebeya River)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1350 m
Kasebere	Congo (Democratic Republic of the)		1° 49' 00" S 28° 45' 00" E	
Kasebeya River (see also: Kasebaya river)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1350 m
Kasempa (see also: Kasama, Kasempa Boma)	Zambia		13° 27' 00" S 25° 50' 00" E	1208 m
Kasempa Boma (see Kasempa)	Zambia		13° 27' 00" S 25° 50' 00" E	1208 m
Kasende	Congo (Democratic Republic of the)		5° 56' 56" S 22° 32' 18" E	619 m
Kasenga (see also: Kasenga mission, Mission Kasenga)	Congo (Democratic Republic of the)		10° 22' 00" S 28° 38' 00" E	938 m
Kasenga mission (see Kasenga)	Congo (Democratic Republic of the)		10° 22' 00" S 28° 38' 00" E	938 m
Kasenga road, km 106	Congo (Democratic Republic of the)		10° 44' 00" S 28° 26' 00" E	
Kasenga road, km 37 (see also: Bulaga)	Congo (Democratic Republic of the)		11° 37' 00" S 27° 40' 00" E	
Kasenga road, km 67	Congo (Democratic Republic of the)		11° 00' 00" S 28° 07' 00" E	
Kasenga territory	Congo (Democratic Republic of the)		10° 22' 00" S 28° 38' 00" E	
Kasengi (see Kasengu), near Lake Albert	Congo (Democratic Republic of the)		2° 08' 11" N 31° 05' 06" E	1532 m
Kasengo (see also: Kasongo)	Congo (Democratic Republic of the)		11° 26' 28" S 27° 58' 04" E	1147 m
Kasengu, near Lake Albert (see also: Kasengi)	Congo (Democratic Republic of the)		2° 08' 11" N 31° 05' 06" E	1532 m
Kasenji (see Kasenyi)	Uganda		0° 02' 26" S 30° 08' 45" E	3000 ft
Kasenju (see Kasenyi)	Uganda		0° 02' 26" S 30° 08' 45" E	3000 ft
Kasenye (see also: Kasenyi, Keseny, Kisenyi)	Congo (Democratic Republic of the)		1° 24' 00" N 30° 26' 00" E	671 m
Kasenye, 10 km N, near Lake Albert	Congo (Democratic Republic of the)	ca.	1° 25' 00" N 30° 25' 00" E	
Kasenyi (see also: Kasenji, Kasenju)	Uganda		0° 02' 26" S 30° 08' 45" E	3000 ft
Kasenyi (see Kasenye)	Congo (Democratic Republic of the)		1° 24' 00" N 30° 26' 00" E	671 m
Kasese district	Uganda			
Kasese, 40 km from (see Nyabirongo)	Uganda		0° 03' 29" N 29° 57' 11" E	2667 m
Kaseu, Pania Mutumbo, on right bank of Sankuru River, 129 km NNW Kabinda (see also: Kabinda, 129 km NNW)	Congo (Democratic Republic of the)		5° 11' 00" S 23° 51' 00" E	
Kashiobwe (see also: Kashiobwe mission, Mission Kashiobwe)	Congo (Democratic Republic of the)		9° 39' 00" S 28° 37' 00" E	918 m

Kashiobwe mission (see Kashiobwe)	Congo (Democratic Republic of the)	9° 39' 00" S 28° 37' 00" E	918 m
Kashwa	Congo (Democratic Republic of the)	0° 47' 00" S 29° 12' 00" E	1797 m
Kasiba, 2 mi [=3.2 km] from Irangi (see also: Irangi, 2 mi [=3.2 km] from)	Congo (Democratic Republic of the)	ca. 1° 54' 00" S 28° 27' 00" E	
Kasindi (see also: Kasindi Vieux, Kasindi-port, Old Kasindi)	Congo (Democratic Republic of the)	0° 02' 10" S 29° 42' 49" E	1049 m
Kasindi Vieux (see Kasindi)	Congo (Democratic Republic of the)	0° 02' 10" S 29° 42' 49" E	1049 m
Kasindi-port (see Kasindi)	Congo (Democratic Republic of the)	0° 02' 10" S 29° 42' 49" E	1049 m
Kaskas (see also: Cascas)	Senegal	16° 22' 43" N 14° 03' 22" W	13 m
KaskaPC:PN|)	Tanzania		
KaskaPC:ZN|)	Tanzania		
Kasoma	Congo (Democratic Republic of the)	9° 25' 00" S 26° 37' 00" E	
Kasoma cave (see also: Grotte de Kasoma, Kasoma grot)	Congo (Democratic Republic of the)	9° 25' 00" S 26° 37' 00" E	
Kasoma grot (see Kasoma cave)	Congo (Democratic Republic of the)	9° 25' 00" S 26° 37' 00" E	
Kasombo	Congo (Democratic Republic of the)		
Kasompe camp, Kasempa district	Zambia	14° 05' 00" S 25° 45' 00" E	
Kasonga-Banze (see also: Kasongo Baza, Kasongo-Banze)	Congo (Democratic Republic of the)	5° 36' 00" S 23° 24' 00" E	532 m
Kasongo (see also: Kapaya, Kazongo, Tongoni)	Congo (Democratic Republic of the)	4° 27' 00" S 26° 40' 00" E	625 m
Kasongo (see Kasengo)	Congo (Democratic Republic of the)	11° 26' 28" S 27° 58' 04" E	1147 m
Kasongo Baza (see Kasonga-Banze)	Congo (Democratic Republic of the)	5° 36' 00" S 23° 24' 00" E	532 m
Kasongo Mwano	Congo (Democratic Republic of the)	8° 44' 00" S 27° 51' 00" E	
Kasongo Samba	Congo (Democratic Republic of the)	4° 30' 00" S 26° 40' 00" E	
Kasongo territory	Congo (Democratic Republic of the)	4° 27' 00" S 26° 40' 00" E	
Kasongo-Banze (see Kasonga-Banze)	Congo (Democratic Republic of the)	5° 36' 00" S 23° 24' 00" E	532 m
Kasowena cave (see also: Grotte de Kasowena, Kasowena grot)	Congo (Democratic Republic of the)	10° 58' 00" S 26° 39' 00" E	
Kasowena grot (see Kasowena cave)	Congo (Democratic Republic of the)	10° 58' 00" S 26° 39' 00" E	
Kassai River (see Rio Kassai), 40 km NE Canear [NF]	Algeria		
Kassala (see Kasala)	Sudan	15° 27' 21" N 36° 23' 56" E	531 m
Kassala state (see also: Ash Sharqiyah state |PC:KA|)	Sudan		
Kassas Forest (see Forêt de Kassas)	Senegal	14° 14' 00" N 15° 35' 00" W	
Kassata	Liberia		
Kasserine caves (see also: Grottes de Kasserine)	Tunisia		
Kassérine governorate	Tunisia		
Kassewa Forest Reserve, 20 mi NE Moyamba (see also: Moyamba, 20 mi [=32 km] NE)	Sierra Leone	8° 04' 00" N 12° 30' 00" W	
Kassi river	Congo (Democratic Republic of the)	4° 15' 00" N 29° 35' 00" E	
Kassualala (see Cassoalalla)	Angola	9° 29' 00" S 14° 21' 00" E	136 m
Kassulo (see Kasulu)	Tanzania	4° 34' 36" S 30° 06' 09" E	1458 m
Kastrol Nek (see Kastrolnek), Wakkerstroom	South Africa	27° 17' 00" S 30° 17' 00" E	
Kastrolnek, Wakkerstroom (see also: Kastrol Nek)	South Africa	27° 17' 00" S 30° 17' 00" E	
Kasulo (see Kasulu)	Tanzania	4° 34' 36" S 30° 06' 09" E	1458 m
Kasulu (see also: Kassulo, Kasulo)	Tanzania	4° 34' 36" S 30° 06' 09" E	1458 m
Kasumbadedza, 5 mi [=8 km] W Tete	Mozambique	16° 08' 32" S 33° 31' 47" E	
Kasungu district	Malawi		
Kasungu Game Reserve (see Kasungu National Park)	Malawi	12° 55' 00" S 33° 07' 00" E	1000 m
Kasungu National Park (see also: Kasungu Game Reserve)	Malawi	12° 55' 00" S 33° 07' 00" E	1000 m
Kasungula (see Kazungula)	Zambia	17° 47' 00" S 25° 16' 00" E	722 m
Kasungula (see Kazungula)	Botswana	17° 48' 14" S 25° 14' 29" E	
Kasungulu (see Kazungula)	Zambia	17° 47' 00" S 25° 16' 00" E	722 m

Kasuo cave Kabwe ka	Congo (Democratic Republic of the)		6° 37' 00" S 24° 58' 00" E	
Kasuo-Kibwe cave (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		0° 14' 42" S 29° 01' 00" E	1500 m
Kaswabilenga	Congo (Democratic Republic of the)		8° 48' 00" S 26° 41' 00" E	700 m
Kaswabilenga	Congo (Democratic Republic of the)			
Kasyoha-Kitomi Forest Reserve	Uganda		0° 15' 00" S 30° 15' 00" E	
Katabayi	Congo (Democratic Republic of the)		6° 11' 00" S 21° 20' 00" E	
Katakwi district	Uganda			
Katalembo (see Katalembu)	Kenya		1° 31' 00" S 37° 12' 00" E	1769 m
Katalembu (see also: Katalembo)	Kenya		1° 31' 00" S 37° 12' 00" E	1769 m
Katalemura (see Katalemwa), 5 - 11 km N Kampala	Uganda		0° 24' 27" N 32° 35' 06" E	
Katalemwa, 5 - 11 km N Kampala (see also: Kampala, 5 - 11 km N, Katalemura)	Uganda		0° 24' 27" N 32° 35' 06" E	
Katana, W shore Lake Kivu (see also: Liège Saint Lambert)	Congo (Democratic Republic of the)		2° 13' 30" S 28° 49' 53" E	1595 m
Katana cave (see Mahyusha cave)	Congo (Democratic Republic of the)		2° 13' 00" S 28° 50' 00" E	1480 m
Katana grot (see Mahyusha cave)	Congo (Democratic Republic of the)		2° 13' 00" S 28° 50' 00" E	1480 m
Katanda, Left bank Rutshuru river (see also: Katenda)	Congo (Democratic Republic of the)		0° 50' 54" S 29° 22' 08" E	975 m
Katanda road, km 411	Congo (Democratic Republic of the)		1° 00' 00" S 29° 00' 00" E	
Katanga	Congo (Democratic Republic of the)	ca.	10° 00' 00" S 27° 30' 00" E	
Katanga (former) province, see Tanganika, Haut Katanga, Kolwezi, Haut Lomani or Lualaba provinces (see also: Shaba (former) province)	Congo (Democratic Republic of the)			
Katanga s	Congo (Democratic Republic of the)		10° 00' 00" S 27° 30' 00" E	
Katanga, near	Congo (Democratic Republic of the)			
Katangi Area	Kenya			
Katapena, thermal spring in the vicinity of Lake Upemba	Congo (Democratic Republic of the)	ca.	8° 35' 00" S 26° 25' 00" E	
Katatemwa, Kampala	Uganda		1° 05' 00" N 31° 09' 00" E	966 m
Katavi region	Tanzania			
Kataye Sukunga	Congo (Democratic Republic of the)			
Katcha, circonscription de (see Préfecture de Bassar)	Togo		9° 15' 00" N 0° 45' 00" E	
Katchamba (see also: Kadjamba, Kadjambe, Kadyamba, Kajamba, Katchammba)	Togo		9° 53' 15" N 0° 31' 33" E	151 m
Katchammba (see Katchamba)	Togo		9° 53' 15" N 0° 31' 33" E	151 m
Kateba (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Kateke [river], on Lualaba, Muovwe, or Lufira river (see also: Kateke)	Congo (Democratic Republic of the)		9° 04' 00" S 26° 43' 00" E	
Katenda (see Katanda), Left bank Rutshuru river	Congo (Democratic Republic of the)		0° 50' 54" S 29° 22' 08" E	975 m
Katende chute (see Katende falls), 30 km Luluabourg [=Kananga]	Congo (Democratic Republic of the)		5° 46' 00" S 21° 40' 00" E	647 m
Katende falls, 30 km Luluabourg [=Kananga] (see also: Katende chute, Katende waterval)	Congo (Democratic Republic of the)		5° 46' 00" S 21° 40' 00" E	647 m
Katende waterval (see Katende falls), 30 km Luluabourg [=Kananga]	Congo (Democratic Republic of the)		5° 46' 00" S 21° 40' 00" E	647 m
Katentania	Congo (Democratic Republic of the)		10° 19' 00" S 25° 54' 00" E	1597 m
Katera	Uganda			
Katete (see Catete)	Angola		9° 07' 48" S 13° 37' 48" E	
Kathangor, Djebel (see Kathangor, Jabal)	South Sudan		5° 45' 00" N 33° 59' 00" E	
Kathangor, Jabal (see also: Djebel Kathangor, Djebel Katherr, Jabal Kathangor, Jebel Kasangor, Kasangor, Jebel, Kathangor, Djebel, Katherr, Katherr, Djebel)	South Sudan		5° 45' 00" N 33° 59' 00" E	
Kathekani	Kenya		2° 37' 00" S 38° 09' 00" E	777 m
Katherr (see Kathangor, Jabal)	South Sudan		5° 45' 00" N 33° 59' 00" E	
Katherr, Djebel (see Kathangor, Jabal)	South Sudan		5° 45' 00" N 33° 59' 00" E	
Kathita river (see also: Kathitha river, Kazita river)	Kenya		0° 15' 58" S 38° 00' 11" E	
Kathitha river (see Kathita river)	Kenya		0° 15' 58" S 38° 00' 11" E	

Katilo	Kenya			
Katilo	Kenya			
Katima Molilo (see Katima Mulilo)	Namibia		17° 30' 00" S 24° 16' 00" E	803 m
Katima Mulilo (see also: Chobe River Farm, Katima Molilo)	Namibia		17° 30' 00" S 24° 16' 00" E	803 m
Katiola department	Côte d'Ivoire			
Katire (see Katiri)	South Sudan		4° 02' 32" N 32° 47' 52" E	1067 m
Katiri, 35 mi SSE Torit (see also: Katire, Torit, 35 mi [=56 km] SSE)	South Sudan		4° 02' 32" N 32° 47' 52" E	1067 m
Katjumbura	Rwanda		1° 33' 00" S 30° 44' 00" E	
Katobwe, on Lualaba river, 40 mi [=64 km] below Bukama (see also: Bukama, 40 mi [=64 km] below)	Congo (Democratic Republic of the)		8° 54' 00" S 26° 04' 00" E	610 m
Katombora Rapids	Zimbabwe		17° 51' 00" S 25° 24' 00" E	
Katrina, Farm (see Farm Katrina)	South Africa		27° 39' 00" S 25° 36' 00" E	
Katshungu	Congo (Democratic Republic of the)		2° 27' 00" S 27° 23' 00" E	1013 m
Katsina state	Nigeria			
Katuaa Market	Kenya		1° 40' 56" S 37° 19' 08" E	
Katuluru, 20 mi [=32 km] W Torit (see also: Torit, 20 mi [=32 km] W)	South Sudan		4° 24' 48" N 32° 16' 33" E	
Katumbela (see Catumbela)	Angola		12° 25' 53" S 13° 32' 50" E	93 m
Katungulu (see Katunguru)	Tanzania		2° 31' 00" S 32° 40' 00" E	1219 m
Katunguru (see also: Katungulu)	Tanzania		2° 31' 00" S 32° 40' 00" E	1219 m
Katupila, on Lufira river	Congo (Democratic Republic of the)		8° 50' 00" S 26° 44' 00" E	
Katwe, lake Edward (see also: Fort George)	Uganda		0° 08' 30" S 29° 49' 49" E	
Katwé	Congo (Democratic Republic of the)		10° 27' 51" S 27° 51' 30" E	
Katwe, lake (see also: Lake Katwe)	Uganda		0° 08' 00" S 29° 52' 00" E	
Katwe, near	Uganda	ca.	0° 08' 30" S 29° 49' 49" E	3000 ft
Kau	Kenya		2° 29' 20" S 40° 27' 07" E	0 m
Kaudom Omarumba (see Khaudum Omarumba Waterhole)	Namibia		18° 30' 36" S 20° 46' 27" E	
Kaukua Cave, Chinhoyi	Zimbabwe		17° 01' 01" S 30° 05' 00" E	
Kaulime, lake (see Lake Kaulime)	Malawi		10° 34' 38" S 33° 45' 35" E	2350 m
Kaungashi stream, source of	Zambia		13° 50' 00" S 26° 47' 00" E	
Kausi, Lake Malombe	Malawi	ca.	14° 38' 00" S 35° 15' 00" E	
Kavango East	Namibia			
Kavango region (see Okavango region)	Namibia			
Kavango West	Namibia			
Kavirondo Bay (see Winam Gulf)	Kenya		0° 15' 00" S 34° 35' 00" E	
Kavirondo Gulf (see Winam Gulf)	Kenya		0° 15' 00" S 34° 35' 00" E	
Kavirongo Gulf, S coast	Kenya	ca.	0° 15' 00" S 34° 35' 00" E	
Kavuaya	Congo (Democratic Republic of the)		5° 20' 19" S 14° 51' 48" E	
Kawa (forest)	Congo (Democratic Republic of the)		1° 34' 00" N 30° 32' 00" E	753 m
Kawambwa	Zambia		9° 48' 29" S 29° 18' 45" E	
Kawanda, Agriculture Research Station, 13 km NW Kampala (see also: Kampala, 13 km NW)	Uganda		0° 22' 29" N 32° 32' 11" E	1193 m
Kawe	Tanzania		4° 18' 00" S 33° 03' 00" E	1189 m
Kawezi-Uvira road	Congo (Democratic Republic of the)	ca.	3° 19' 24" S 29° 09' 34" E	
Kawm Awshim (see Kawm Ushim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Kawm Awshim (see Kawm Ushim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Kawm ?amadah (see also: Kôm ?amâda)	Egypt		30° 45' 21" N 30° 41' 56" E	13 m
Kawm Ushim (see also: Kawm Awshim, Kawm Awshim, Kom O Shim, Kom Omshin, Kom Oshim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Kawn Ombo (see Kawn Umbu)	Egypt		24° 28' 45" N 32° 56' 37" E	109 m
Kawn Umbu (see also: Kawn Ombo, Kôm Ombo, Kum Ombu, Omboi, Ombos, Umbu)	Egypt		24° 28' 45" N 32° 56' 37" E	109 m
Kayanza	Burundi		2° 55' 20" S 29° 37' 20" E	1957 m
Kayanza province	Burundi			
Kayanza, 15 km W (see Rwegura)	Burundi		2° 55' 05" S 29° 31' 10" E	2311 m
Kayata area, near Donyo Sabuk (see also: Kajata area)	Kenya		1° 07' 41" S 37° 19' 39" E	
Kayes region	Mali			
Kayombe (see Dilolo)	Congo (Democratic Republic of the)		10° 28' 00" S 22° 28' 00" E	1069 m
Kayonza	Rwanda		1° 56' 44" S 30° 31' 13" E	2400 m

Kayonza Crown Forest Reserve (see Kayonza Forest)	Uganda		0° 56' 20" S 29° 43' 28" E	
Kayonza Forest (see also: Kayonza Crown Forest Reserve)	Uganda		0° 56' 20" S 29° 43' 28" E	
Kayove	Rwanda		1° 53' 04" S 29° 21' 11" E	1841 m
Kayunga district	Uganda			
Kazilondok	Zambia		11° 30' 00" S 33° 00' 00" E	2000 ft
Kazimzumbwi forest reserve, SSW Dar es Salaam	Tanzania		6° 58' 00" S 39° 03' 00" E	
Kazita river (see Kathita river)	Kenya		0° 15' 58" S 38° 00' 11" E	
Kazongo (see Kasongo)	Congo (Democratic Republic of the)		4° 27' 00" S 26° 40' 00" E	625 m
Kazungula (see also: Kasungula, Kasungulu)	Zambia		17° 47' 00" S 25° 16' 00" E	722 m
Kazungula (see also: Kasungula)	Botswana		17° 48' 14" S 25° 14' 29" E	
Keambiroiro (see Ngong Hills)	Kenya		1° 24' 00" S 36° 38' 00" E	
Kebandio island, Zanzibar	Tanzania			
Kebbi state	Nigeria			
Kebili, Nefzaoua (see also: Qibili)	Tunisia		33° 42' 07" N 8° 58' 25" E	34 m
Kebili governorate	Tunisia			
Keboko, 8 km W	Cameroon			
Keboko, 9 km W	Cameroon			
Kedong Valley (see Nkidong Valley)	Kenya		1° 10' 00" S 36° 30' 00" E	6000 ft
Kédougou	Senegal		12° 33' 00" N 12° 11' 00" W	99 m
Kédougou region	Senegal	ca.	12° 50' 37" N 12° 12' 54" W	
Kedougou, 66 km W (see Enganga)	Senegal	ca.	12° 30' 00" N 12° 45' 00" W	
Keekevok, Mara river	Kenya	ca.	0° 16' 00" S 37° 45' 00" E	1615 m
Keetmanshoop	Namibia		26° 35' 00" S 18° 08' 00" E	984 m
Keetmanshoop district	Namibia		26° 30' 00" S 19° 00' 00" E	
Keetmanshoop, 35 km SSW (see Farm Rheinvels)	Namibia		26° 57' 00" S 17° 26' 00" E	
Kef Azigza cave, Oued Guir (see also: Azigza cave, Grotte d'Azigza, Grotte de Kef Aziza, Kef Aziza cave)	Morocco		32° 02' 00" N 3° 47' 00" W	1060 m
Kef Aziza cave (see Kef Azigza cave)	Morocco		32° 02' 00" N 3° 47' 00" W	1060 m
Kef er Rhar (see Kef-el-Rhar, cave)	Morocco		34° 28' 48" N 4° 15' 36" W	ca. 500 m
Kef gPC:KF|)	Tunisia			
Kef-el-Rhar, cave (see also: Grotte de Kef-el-Rhar, Kef er Rhar)	Morocco		34° 28' 48" N 4° 15' 36" W	ca. 500 m
Kefole (see Kofele)	Ethiopia		7° 04' 00" N 38° 47' 00" E	2505 m
Kei Road	South Africa		32° 42' 20" S 27° 32' 50" E	680 m
Keikamspoort, Farm 71 (see Farm Keikamspoort 71), 20 km SE Prieska	South Africa		29° 53' 00" S 22° 52' 00" E	
Keiro (see also: Kiro, Sim Sima, Simsima)	South Sudan		5° 19' 48" N 31° 45' 22" E	439 m
Kejengole Route	Kenya			
Kela, 5 km N (see Quela, 5 km N)	Angola		9° 13' 17" S 17° 05' 00" E	
Kelam (see Kelem)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Kele	Tanzania		1° 06' 00" S 31° 31' 12" E	
Kelé	Congo		3° 20' 48" S 12° 28' 15" E	173 m
Kele cave 1 (see also: Grotte de Kele 1, Kele grot 1)	Congo (Democratic Republic of the)		5° 31' 00" S 14° 36' 00" E	
Kele grot 1 (see Kele cave 1)	Congo (Democratic Republic of the)		5° 31' 00" S 14° 36' 00" E	
Kelem (see also: Calama, Callam, Kaalam, Kalam, Kelam)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Kelem, 30 km N (see Omo Valley)	Ethiopia	ca.	6° 00' 00" N 35° 50' 00" E	
Kemo River, upper (see also: Haute Kemo)	Central African Republic	ca.	5° 45' 00" N 19° 45' 00" E	
Kémo-Gribingui prefecture	Central African Republic	ca.	5° 53' 02" N 19° 24' 04" E	
Kempton Park (see Birchleig)	South Africa		26° 06' 00" S 28° 15' 00" E	
Keneba (see also: Kenniba)	The Gambia		13° 19' 44" N 16° 00' 54" W	32 m
Kénédougou province	Burkina Faso			
Kenia Forest	Kenya			
Kenieba circle	Mali			
Kenilworth	South Africa		33° 59' 00" S 18° 28' 00" E	
Kenisa (see Kanisah)	Sudan		18° 15' 00" N 31° 40' 00" E	239 m
Kénitra prefecture	Morocco			
Kenneth Stainbank Nature Reserve	South Africa		29° 55' 00" S 30° 56' 00" E	
Kenniba (see Keneba)	The Gambia		13° 19' 44" N 16° 00' 54" W	32 m
Kensington	South Africa		29° 46' 45" S 31° 02' 32" E	
Kent	Sierra Leone		8° 09' 57" N 13° 10' 00" W	0 m
Kenya, near Lubumbashi	Congo (Democratic Republic of the)		11° 44' 00" S 27° 30' 00" E	1119 m

Kenya (see also: "British East Africa")	Kenya		
Kenya, mount	Kenya		
Kenya, mount (see also: Kilinyaga, Kirinyaga, Mount Kenya)	Kenya	0° 10' 00" S 37° 20' 00" E	
Kenya, mount, 37 km W (see Nanyuki)	Kenya	0° 01' 00" N 37° 04' 00" E	1986 m
Keoulenta	Guinea	7° 40' 48" N 8° 18' 36" W	450 m
Kere Kere (see Kerekere)	Congo (Democratic Republic of the)	2° 42' 00" N 30° 33' 00" E	1158 m
Kerekere (see also: Karekere, Kere Kere)	Congo (Democratic Republic of the)	2° 42' 00" N 30° 33' 00" E	1158 m
Keren, Bogosland (see also: Cheren)	Eritrea	15° 46' 40" N 38° 27' 29" E	1590 m
Keri river (see also: Kiri river)	Congo (Democratic Republic of the)	1° 29' 00" S 18° 58' 00" E	
Kericho	Kenya	0° 22' 00" S 35° 17' 00" E	2093 m
Kericho county	Kenya		
Kerio river	Kenya	2° 59' 00" N 36° 07' 00" E	
Kerio Suk river	Kenya	0° 45' 00" N 35° 35' 00" E	
Kerio Valley, Morok River	Kenya	0° 45' 00" N 35° 35' 00" E	
Kerkeri Shet' (see also: Casano valley, Ghibbey valley, Ghibbiè di Gimma, Ghibie valley, Ghible valley, Gumma valley)	Ethiopia	8° 15' 00" N 37° 29' 00" E	
Kerma (see Karmah an Nuzul), 40 km from the third waterfall	Sudan	19° 38' 00" N 30° 25' 00" E	227 m
Kerma en Nuzl (see Karmah an Nuzul), 40 km from the third waterfall	Sudan	19° 38' 00" N 30° 25' 00" E	227 m
Kermah (see Karmah an Nuzul), 40 km from the third waterfall	Sudan	19° 38' 00" N 30° 25' 00" E	227 m
Keroma	Congo (Democratic Republic of the)	4° 35' 00" N 29° 32' 00" E	
Kérouané prefecture	Guinea		
Kerripi, 30 mi N Nimule (see also: Nimule, 30 mi [=48 km] N)	South Sudan	3° 55' 00" N 31° 55' 00" E	701 m
Kersbos, Farm (see Farm Kersbos), 10 km NNE Bitterfontein	South Africa	30° 57' 00" S 18° 12' 00" E	
Kersefontein, Farm (see Farm Kersefontein), 16 km N Hopefield	South Africa	32° 54' 13" S 18° 19' 51" E	
Kesa, 5 km SW (see Dangola Washa caves)	Ethiopia	ca. 8° 20' 00" N 38° 34' 00" E	
Keseki (see also: Kesiki)	Congo (Democratic Republic of the)	2° 07' 00" S 16° 32' 00" E	308 m
Keseny (see Kasenye)	Congo (Democratic Republic of the)	1° 24' 00" N 30° 26' 00" E	671 m
Kesiki (see Keseki)	Congo (Democratic Republic of the)	2° 07' 00" S 16° 32' 00" E	308 m
Kesine	Kesine		
Kester, Kosterfontein	Kester, Kosterfontein		
Keta (see also: Kitta, Kwitta, Quittah)	Ghana	5° 55' 00" N 0° 59' 00" E	48 m
Kete (see Kete Krachi)	Ghana	7° 48' 00" N 0° 01' 00" W	83 m
Kete Krachi (see also: Kete, Kete Krakye, Kete Kratchi, Kete-Kratschi, Kete-Ktachi, Krachi, Krete Kratschi)	Ghana	7° 48' 00" N 0° 01' 00" W	83 m
Kete Krakye (see Kete Krachi)	Ghana	7° 48' 00" N 0° 01' 00" W	83 m
Kete Kratchi (see Kete Krachi)	Ghana	7° 48' 00" N 0° 01' 00" W	83 m
Kete-Kratschi (see Kete Krachi)	Ghana	7° 48' 00" N 0° 01' 00" W	83 m
Kete-Ktachi (see Kete Krachi)	Ghana	7° 48' 00" N 0° 01' 00" W	83 m
Kétou (see also: Ketu)	Benin	7° 22' 00" N 2° 36' 00" E	112 m
Ketu (see Kétou)	Benin	7° 22' 00" N 2° 36' 00" E	112 m
Keurbooms Nature Reserve, 6 km N, 2.5 km E Plettenberg Bay (see also: Keurboomsrivier Nature Reserve, Plettenberg Bay, 6 km N, 2.5 km E)	South Africa	34° 00' 00" S 23° 24' 00" E	20 m
Keurboomsrivier Nature Reserve (see Keurbooms Nature Reserve)	South Africa	34° 00' 00" S 23° 24' 00" E	20 m
Keyanguli, Kasema	Kenya	1° 30' 00" S 37° 15' 00" E	1829 m
Keyberg, near Lubumbashi	Congo (Democratic Republic of the)	11° 43' 00" S 27° 25' 00" E	
Kgalagadi district	South Africa		
Kgalagadi district	Botswana		
Kgaswane Nature Reserve (see also: Baviaanskrans, Farm 308JQ, Farm 308JQ (Baviaanskrans), Farm Baviaanskrans 308JQ)	South Africa	25° 43' 13" S 27° 11' 07" E	

Kgatleng district	Botswana			
Kha Principe	Kha Principe			
Khamis, Ash Shalal Al (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
Khamis, Ash Shallal al (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
Khamkirri Private Game Reserve, site 1, Kakamas, NW	South Africa		28° 39' 07" S 20° 26' 45" E	
Khamkirri Private Game Reserve, site 2, Kakamas, NW	South Africa		28° 38' 59" S 20° 26' 39" E	
Kharga Oasis (see El Wadi El Gedid governorate)	Egypt		25° 26' 00" N 30° 33' 00" E	32 m
Khartoum (see Al Khartum)	Sudan		15° 35' 17" N 32° 32' 03" E	377 m
Khartoum or Sennaar	Sudan			
Khartoum state (see also: Al Khartoum state |PC:KH|)	Sudan			
Khartoum University Campus	Sudan		15° 29' 51" N 32° 33' 29" E	384 m
Khartoum, 100 mi [=160 km] S	Sudan			
Khartoum, 12 mi [=19 km] from (see Wad Marium)	Sudan	ca.	15° 25' 00" N 32° 25' 00" E	
Khartoum, S of (see Al Khartum, S of), W bank of White Nile	Sudan	ca.	15° 35' 17" N 32° 32' 03" E	
Khartoun (see Al Khartum)	Sudan		15° 35' 17" N 32° 32' 03" E	377 m
Khaudum Omarumba Waterhole (see also: Kaudom Omarumba)	Namibia		18° 30' 36" S 20° 46' 27" E	
Khawr Umm 'Adara (see Um 'Adara, Khor)	Sudan		11° 06' 42" N 31° 10' 34" E	
Khawr Atar [wadi] (see Atar, Khawr [wadi])	South Sudan		9° 20' 11" N 31° 25' 00" E	
Khayalami Bay	South Africa	ca.	29° 25' 34" S 30° 23' 39" E	663 m
Khayzan, 16 km NE Luxor (see also: Luxor, 16 km NE)	Egypt		25° 41' 00" N 32° 24' 00" E	
Khémisset prefecture	Morocco			
Khenchela province	Algeria			
Khenifra	Morocco			
Khénifra prefecture	Morocco			
Kherrata, gorges de (see Gorges de Kherrata (tunnel))	Algeria	ca.	36° 29' 37" N 5° 16' 41" E	
Khirgil river (see Gilgil river)	Kenya		0° 43' 00" S 36° 21' 00" E	
Khitado (see also: Chitado)	Angola		17° 19' 00" S 13° 55' 00" E	869 m
Khmba (see Kumba)	Cameroon			
Khomas region	Namibia			
Khombeul (see Khombole)	Senegal		14° 46' 00" N 16° 42' 00" W	18 m
Khombole (see also: Khombeul, Kombole, Rhombole)	Senegal		14° 46' 00" N 16° 42' 00" W	18 m
Khor Atar [wadi] (see Atar, Khawr [wadi])	South Sudan		9° 20' 11" N 31° 25' 00" E	
Khor Attar [wadi] (see Atar, Khawr [wadi])	South Sudan		9° 20' 11" N 31° 25' 00" E	
Khor Diar [wadi] (see Atar, Khawr [wadi])	South Sudan		9° 20' 11" N 31° 25' 00" E	
Khor Mallum, 60 mi [=96 km] SSW El Fasher	Sudan	ca.	12° 54' 49" N 25° 06' 14" E	2900 ft
Khor Um ‘Adara (see Um 'Adara, Khor)	Sudan		11° 06' 42" N 31° 10' 34" E	
Khor Umm Adara (see Um 'Adara, Khor)	Sudan		11° 06' 42" N 31° 10' 34" E	
Khouribga prefecture	Morocco			
Khroumirie (see Kroumirie mountains)	Tunisia	ca.	36° 35' 00" N 8° 25' 00" E	
Khuis	Botswana		26° 39' 28" S 21° 50' 18" E	934 m
Khuwei, 7 mi [=11 km] N	Sudan		13° 09' 02" N 29° 13' 44" E	
Khwai Lodge, 12.9 km W	Botswana		19° 07' 00" S 23° 35' 00" E	1005 m
Khwai Lodge, 8 km W	Botswana		19° 07' 00" S 23° 35' 00" E	
Khwai Lodge, 9 km W	Botswana		19° 06' 00" S 23° 34' 00" E	
Kiabasi, near Voi	Kenya	ca.	3° 23' 00" S 38° 34' 00" E	1900 ft
Kiabo, 14 km upstream (see Sombe)	Congo (Democratic Republic of the)		8° 50' 00" S 26° 02' 00" E	
Kiamanwa	Congo (Democratic Republic of the)		9° 30' 00" S 27° 55' 00" E	
Kiambi	Congo (Democratic Republic of the)		7° 20' 00" S 28° 01' 00" E	607 m
Kiambiruiru (see Ngong Hills)	Kenya		1° 24' 00" S 36° 38' 00" E	
Kiambu	Kenya		1° 10' 00" S 36° 50' 00" E	1723 m
Kiambu county	Kenya			
Kiambu district	Kenya			
Kiambu, 4 mi [=6.4 km] NW	Kenya	ca.	1° 10' 00" S 36° 50' 00" E	
Kiambu, near	Kenya	ca.	1° 10' 00" S 36° 50' 00" E	1828 m
Kiamokoto, on Lukima river (see also: Grotte de Kiwakishi, Kiwakishi cave, Kiwakishi grot)	Congo (Democratic Republic of the)		9° 10' 00" S 27° 04' 00" E	900 m
Kiamosi (see Kaimosi), W Nyanza	Kenya		0° 08' 00" N 34° 51' 00" E	
Kianjavato	Madagascar		21° 22' 00" S 47° 51' 36" E	150 m
Kianjavato, 0.5 km N	Madagascar		21° 23' 00" S 47° 52' 00" E	300 m
Kianjavato, 4 km E (by road)	Madagascar		21° 22' 59" S 47° 54' 00" E	125 m
Kianjavato, 6.98 km NE (see Ambinanylalangy)	Madagascar		21° 20' 33" S 47° 55' 15" E	
Kianjavato, 9 km ESE (see Vatovavy)	Madagascar		21° 24' 00" S 47° 57' 00" E	150 m
Kiantapo cave (see Kyantapo cave)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1525 m

Kiasala cave, near Lubudi (see also: Grotte de Kiasala, Grotte de Kyasala, Kiasala grot, Kyasala cave, Kyasala grande grotte, Kyasala grot)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Kiasala grot (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Kiavikere (see also: Kiavikire)	Congo (Democratic Republic of the)		0° 24' 00" N 29° 46' 00" E	1553 m
Kiavikire (see Kiavikere)	Congo (Democratic Republic of the)		0° 24' 00" N 29° 46' 00" E	1553 m
Kiavinionge (see Kyavinionge)	Congo (Democratic Republic of the)		0° 07' 00" S 26° 36' 00" E	935 m
Kibaale district	Uganda			
Kibale Forest	Uganda		0° 29' 10" N 30° 22' 58" E	
Kibanda	Congo (Democratic Republic of the)		3° 20' 00" S 27° 12' 00" E	688 m
Kibanda	Congo (Democratic Republic of the)		8° 57' 00" S 27° 38' 00" E	1223 m
Kibanga	Congo (Democratic Republic of the)		8° 50' 00" S 26° 44' 00" E	1300 m
Kibara (see also: Kibarra)	Tanzania		2° 09' 00" S 33° 27' 00" E	1137 m
Kibarra (see Kibara)	Tanzania		2° 09' 00" S 33° 27' 00" E	1137 m
Kibata	Tanzania		8° 28' 00" S 38° 59' 00" E	285 m
Kibatini village	Tanzania		4° 57' 24" S 39° 43' 04" E	51 m
Kibebe farms, 6 km E Iringa (see also: Iringa, 6 km E)	Tanzania		7° 47' 00" S 35° 45' 00" E	1550 m
Kibimba Mission	Burundi		3° 18' 00" S 29° 48' 32" E	1730 m
Kibira National Park, 2.3 km N, 0.7 km W Teza (see also: Teza, 2.3 km N, 0.7 km W)	Burundi		3° 12' 57" S 29° 33' 49" E	
Kiboga district	Uganda			
Kiboko (see also: Bikobo, lava cave, Kiboko cave, Kiboko station)	Kenya		2° 11' 00" S 37° 43' 00" E	
Kiboko Campsite	Kenya		0° 19' 03" N 36° 54' 39" E	
Kiboko cave (see Kiboko)	Kenya		2° 11' 00" S 37° 43' 00" E	930 m
Kiboko station (see Kiboko)	Kenya		2° 11' 00" S 37° 43' 00" E	930 m
Kiboko, 1 mi [=1.6 km] E	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 1 mi [=1.6 km] W	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 10 mi [=16 km] N	Kenya		2° 02' 00" S 37° 42' 00" E	3000 ft
Kiboko, 10 mi [=16 km] S	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 10 mi [=16 km] W	Kenya	ca.	2° 09' 00" S 37° 35' 00" E	
Kiboko, 10 mi [=19 km] E	Kenya	ca.	2° 16' 00" S 37° 49' 00" E	
Kiboko, 10 mi [=19 km] S	Kenya		2° 16' 59" S 37° 40' 01" E	
Kiboko, 2 mi [=3.2 km] NW	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 20 km NW	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 23 km S (see Niassa Game Reserve)	Mozambique		12° 37' 27" S 37° 39' 23" E	
Kiboko, 3 mi [=4.8 km] E, Granite Outcrop	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 3 mi [=4.8 km] W	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 4 mi [=6.4 km] W	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 5 km W, near Nairobi	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, ca 10 mi [=16 km] N	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kibomoto	Kenya			
Kibonato (see Kibongoto)	Tanzania		3° 11' 00" S 37° 06' 00" E	6200 ft
Kibongoto (see also: Kibonato, Kibonoto)	Tanzania		3° 11' 00" S 37° 06' 00" E	6200 ft
Kibonoto (see Kibongoto)	Tanzania		3° 11' 00" S 37° 06' 00" E	6200 ft
Kiboscho (see Kibosho)	Tanzania		3° 15' 00" S 37° 19' 00" E	1206 m
Kibosho (see also: Kiboscho)	Tanzania		3° 15' 00" S 37° 19' 00" E	1206 m
Kibuku district	Uganda			
Kibumba, Goma - Rutshuru road, 1800 m outside Albert National Park [=Virunga National Park]	Congo (Democratic Republic of the)		1° 28' 00" S 29° 20' 00" E	1650 m
Kibumbu crater, caves 2 and 3	Rwanda		1° 24' 35" S 29° 32' 36" E	
Kibungo (former) prefecture (see Eastern prefecture)	Rwanda	ca.	2° 00' 00" S 30° 35' 00" E	
Kibungu hills	Kenya			
Kibuye	Rwanda		2° 03' 20" S 29° 20' 59" E	1457 m
Kibuyuni area	Kenya		4° 23' 57" S 39° 18' 54" E	
Kibwe Lya Mikako cave (see also: Grotte de Kibwe Lya Mikako, Grotte de Ribue Lya Mikako, Kasuo-Kibwe cave, Ribue Lya Mikako cave)	Congo (Democratic Republic of the)		0° 14' 42" S 29° 01' 00" E	1500 m
Kibwele (see Kibwele Tea Estate)	Tanzania		8° 34' 32" S 35° 19' 55" E	
Kibwele Tea Estate (see also: Kibwele)	Tanzania		8° 34' 32" S 35° 19' 55" E	
Kibwesi (see Kibwezi)	Kenya		2° 25' 00" S 37° 58' 00" E	

Kibwezi (see also: Kibwesi, Libwezi)	Kenya		2° 25' 00" S 37° 58' 00" E	
Kibwezi, 10.5 km N, 17 km E (see Bushwacker's Safari Camp)	Kenya	ca.	2° 19' 00" S 38° 07' 00" E	
Kibwezi, 30 mi [=48 km] NNE	Kenya	ca.	2° 02' 26" S 38° 11' 12" E	3500 ft
Kibwezi, 6.5 mi [=10.5 km] N, 10.5 mi [=17 km] E	Kenya	ca.	2° 19' 00" S 38° 06' 00" E	
Kibwezi, near	Kenya	ca.	2° 25' 00" S 37° 58' 00" E	ca. 3500 ft
Kichaka Simba (see Kichakasimba)	Kenya		4° 20' 57" S 39° 21' 33" E	
Kichakasimba (see also: Kichaka Simba)	Kenya		4° 20' 57" S 39° 21' 33" E	
Kichakasimba hill (see also: Mrima hill)	Kenya		4° 29' 07" S 39° 15' 47" E	
Kichanjane (see Kichanjani)	Tanzania		5° 27' 00" S 38° 59' 00" E	0 m
Kichanjani (see also: Kichanjane)	Tanzania		5° 27' 00" S 38° 59' 00" E	0 m
Kichwamba, near	Uganda			4500 ft
Kidada	Congo (Democratic Republic of the)		5° 22' 00" S 14° 32' 00" E	
Kidaho (see also: Colline Kidaho)	Rwanda		1° 22' 12" S 29° 44' 33" E	1944 m
Kidal region	Mali			
Kidal, 30 km N (see Ibdekkene valley)	Mali	ca.	18° 45' 00" N 1° 25' 00" E	
Kideke	Tanzania		5° 10' 20" S 39° 49' 50" E	
Kidode (see Kidodi)	Tanzania		7° 36' 00" S 36° 59' 00" E	337 m
Kidodi, The Great Ruaha River, N (see also: Kidode)	Tanzania		7° 36' 00" S 36° 59' 00" E	337 m
Kidugallo	Tanzania		6° 47' 00" S 38° 12' 00" E	180 m
Kiega Hill	Kenya			
Kienko (see Tyenko)	Côte d'Ivoire		8° 14' 00" N 7° 34' 00" W	451 m
Kié-Ntem province	Equatorial Guinea			
Kifumwanshi	Congo (Democratic Republic of the)		11° 27' 00" S 27° 51' 00" E	
Kifuruzi (see also: Gifuruzi)	Burundi		4° 18' 57" S 29° 35' 06" E	
Kigale (see Kigali)	Rwanda		1° 57' 13" S 30° 03' 38" E	1567 m
Kigali (see also: Kigale)	Rwanda		1° 57' 13" S 30° 03' 38" E	1567 m
Kigali prefecture	Rwanda			
Kigamba	Burundi		3° 04' 00" S 30° 31' 00" E	1532 m
Kigezi Game Reserve	Uganda		0° 30' 00" S 29° 50' 00" E	
Kigoma, near Lake Tanagyika	Tanzania		4° 52' 37" S 29° 37' 36" E	775 m
Kigoma region	Tanzania			
Kigoma district	Tanzania		5° 30' 00" S 30° 00' 00" E	
Kigoma, near, near Lake Tanagyika	Tanzania		4° 53' 00" S 29° 38' 00" E	1067 m
Kigumba, Bunyoro	Uganda		1° 48' 18" N 32° 00' 42" E	1071 m
Kigwembinbi, 12 km ESE Iringa (see also: Iringa, 12 km ESE)	Tanzania		7° 48' 22" S 35° 48' 13" E	1600 m
Kigwena Hill	Burundi		4° 08' 38" S 29° 32' 07" E	918 m
Kihanga, 15 km SSE Msisiwe (see also: Msisiwe, 15 km SSE)	Tanzania		8° 22' 00" S 35° 56' 00" E	1800 m
Kihanga (see Gihanga)	Burundi		3° 11' 41" S 29° 17' 43" E	814 m
Kihansi airstrip	Tanzania		8° 24' 22" S 35° 40' 57" E	
Kihansi Gorge	Tanzania			
Kihumba (see Kiumba)	Congo (Democratic Republic of the)		1° 56' 25" S 29° 04' 47" E	1602 m
Kijabe	Kenya		0° 56' 00" S 36° 34' 00" E	2049 m
Kijabe (see also: East Kyabe, Kyabe)	Kenya		0° 56' 00" S 36° 34' 00" E	2049 m
Kijabe Station (see also: Kyabe Station, New Kijabe)	Kenya		0° 55' 00" S 36° 35' 00" E	
Kijijini village	Tanzania		4° 54' 06" S 39° 41' 17" E	21 m
Kijiri village, Kangapo Two Payam, Jalimo Boma, Juka stream	South Sudan		3° 45' 00" N 31° 35' 00" E	897 m
Kik plateau cave (see also: Grotte du plateau de Kik, Réserve des monts Mandingues)	Morocco	ca.	31° 15' 00" N 8° 10' 00" W	
Kikagati area (see also: Itama area, Itama Mine area)	Uganda	ca.	1° 06' 13" S 30° 41' 17" E	
Kikagati mine	Uganda		1° 06' 13" S 30° 41' 17" E	1407 m
Kikambala	Kenya		3° 54' 00" S 39° 47' 00" E	0 m
Kikanda	Congo (Democratic Republic of the)		11° 33' 00" S 27° 37' 00" E	
Kikango, km 35 on route Moba Mplala (see also: Moba - Mplala road, km 35)	Congo (Democratic Republic of the)		6° 37' 00" S 29° 30' 00" E	
Kikole-Pecheur	Congo (Democratic Republic of the)			

Kikondja (see also: Kikondji)	Congo (Democratic Republic of the)		8° 11' 00" S 26° 26' 00" E	607 m
Kikondji (see Kikondja)	Congo (Democratic Republic of the)		8° 11' 00" S 26° 26' 00" E	607 m
Kikura	Congo (Democratic Republic of the)		0° 33' 00" N 29° 57' 00" E	1900 m
Kikuyu (see also: Gikuyu)	Kenya		1° 15' 00" S 36° 40' 00" E	1931 m
Kikwit (see also: Kikwit ITPK)	Congo (Democratic Republic of the)		5° 03' 44" S 18° 52' 38" E	438 m
Kikwit ITPK (see Kikwit)	Congo (Democratic Republic of the)		5° 03' 44" S 18° 52' 38" E	438 m
Kila N'Tari caves (see N'Kila-N'Tari caves), 150 km W Brazzaville, near Mouyondzi	Congo		4° 07' 13" S 13° 51' 10" E	
Kilaguni Lodge (see also: Kiliguni Lodge)	Kenya		2° 54' 20" S 38° 02' 59" E	
Kilaguni Lodge (see also: Shetani cave)	Kenya		2° 54' 21" S 38° 03' 34" E	
Kilanguni	Kenya		2° 54' 00" S 38° 03' 00" E	
Kilboa, 20 mi [=32 km] W	Nigeria		13° 19' 00" N 11° 16' 00" E	
Kilembe, 52 mi [=84 km] S	Congo (Democratic Republic of the)		5° 47' 00" S 19° 54' 00" E	
Kilemue	Congo (Democratic Republic of the)		2° 53' 00" S 28° 07' 00" E	
Kilgil river (see Gilgil river)	Kenya		0° 43' 00" S 36° 21' 00" E	
Kilia Kaparata	Congo (Democratic Republic of the)		0° 23' 00" N 29° 36' 00" E	980 m
Kilibozi	Congo (Democratic Republic of the)		3° 03' 00" S 28° 09' 00" E	
Kilifi (see also: Kalifi)	Kenya		3° 38' 00" S 39° 51' 00" E	61 m
Kilifi cave	Kenya		3° 38' 00" S 39° 51' 00" E	0 m
Kilifi county	Kenya			
Kilifi creek, 2 mi [=3.2 km] W Kilifi (see also: Kilifi, 2 mi [=3.2 km] W)	Kenya	ca.	3° 38' 00" S 39° 51' 00" E	
Kilifi creek, head of, 6 mi [=9.7 km] W Kilifi	Kenya		3° 34' 48" S 39° 46' 48" E	
Kilifi district	Kenya			
Kilifi, 1 km S	Kenya		3° 37' 00" S 39° 50' 00" E	
Kilifi, 1 mi [=1.6 km] N	Kenya	ca.	3° 38' 00" S 39° 51' 00" E	15 m
Kilifi, 1.5 mi [=2.4 km] N	Kenya	ca.	3° 38' 00" S 39° 51' 00" E	50 m
Kilifi, 2 mi [=3.2 km] N	Kenya	ca.	3° 38' 00" S 39° 51' 00" E	50 m
Kilifi, 2 mi [=3.2 km] W (see Kilifi creek)	Kenya	ca.	3° 38' 00" S 39° 51' 00" E	
Kilifi, 4 mi [=6.4 km] S (see also: Tokaungu)	Kenya		3° 41' 00" S 39° 51' 00" E	
Kilifi, 5 mi [=8 km] W	Kenya		3° 37' 00" S 39° 45' 00" E	
Kilifi, 6 mi [=9.6 km] S (see Maweni river)	Kenya		3° 44' 00" S 39° 45' 00" E	
Kilifi, 6 mi [=9.7 km] S	Kenya	ca.	3° 38' 00" S 39° 51' 00" E	
Kilifi, 6 mi [=9.7 km] W	Kenya		3° 34' 48" S 39° 46' 48" E	61 m
Kilifi, 6 mi [=9.7 km] WNW (see Sokoke Forest)	Kenya		3° 29' 00" S 39° 50' 00" E	200 ft
Kilifi, near	Kenya	ca.	3° 38' 00" S 39° 51' 00" E	
Kiligi	Congo (Democratic Republic of the)		2° 53' 00" S 28° 18' 00" E	
Kiligi	Kenya		1° 00' 00" N 38° 00' 00" E	
Kiliguni Lodge (see Kilaguni Lodge)	Kenya		2° 54' 20" S 38° 02' 59" E	
Kilimandcharo (see Mount Kilimanjaro)	Tanzania		3° 04' 00" S 37° 22' 00" E	4500 ft
Kilimani Estate	Kenya		1° 17' 00" S 36° 47' 00" E	
Kilimanjaro region	Tanzania			
Kilimanjaro, mount (see Mount Kilimanjaro)	Tanzania		3° 04' 00" S 37° 22' 00" E	4500 ft
Kilimatinde hospital, near Manyoni	Tanzania		5° 49' 58" S 34° 57' 43" E	
Kilimi section, 5.2 mi W Sainya (see also: Sainya, 5.2 mi [=8.4 km] W)	Sierra Leone		9° 48' 00" N 12° 27' 00" W	
Kilindini	Kenya		4° 04' 00" S 39° 40' 00" E	0 ft
Kilindoni, Mafia island	Tanzania		7° 54' 46" S 39° 39' 48" E	
Kilindoni Forest Strip	Tanzania		7° 53' 21" S 39° 40' 57" E	
Kilinga	Congo (Democratic Republic of the)		1° 10' 00" S 28° 29' 00" E	1275 m
Kilinyaga (see Kenya, mount)	Kenya		0° 10' 00" S 37° 20' 00" E	
Kilitza [river] (see Kiliza [river]), near Kamitunga	Congo (Democratic Republic of the)		3° 22' 16" S 28° 01' 22" E	
Kiliza [river], near Kamitunga (see also: Kaliza [river], Kilitza [river])	Congo (Democratic Republic of the)		3° 22' 16" S 28° 01' 22" E	
Kilo mines (see Kilomines)	Congo (Democratic Republic of the)		1° 48' 00" N 30° 14' 00" E	1466 m
Kilobelobe (see Kilobilobe)	Congo (Democratic Republic of the)		11° 42' 00" S 27° 34' 00" E	

Kilobilobe (see also: Kilobelobe)	Congo (Democratic Republic of the)		11° 42' 00" S 27° 34' 00" E	
Kilobono (see also: Kilobore, Kiloboze)	Congo (Democratic Republic of the)		3° 03' 00" S 28° 11' 00" E	
Kilobore (see Kilobono)	Congo (Democratic Republic of the)		3° 03' 00" S 28° 11' 00" E	
Kiloboze (see Kilobono)	Congo (Democratic Republic of the)		3° 03' 00" S 28° 11' 00" E	
Kilomamensa	Congo (Democratic Republic of the)			
Kilombero district	Tanzania		8° 15' 00" S 36° 25' 00" E	
Kilombero Valley, Rufiri-Itete area	Tanzania		8° 40' 00" S 36° 30' 00" E	330 m
Kilomines (see also: Bambu, Kilo mines, Mines de Kilo)	Congo (Democratic Republic of the)		1° 48' 00" N 30° 14' 00" E	1466 m
Kilongo Hills	Kenya		2° 17' 00" S 37° 55' 00" E	
Kilosa (see also: Kilossa)	Tanzania		6° 50' 00" S 36° 59' 00" E	572 m
Kilosa district	Tanzania		7° 00' 00" S 37° 00' 00" E	
Kilosa, near (see also: Kilossa, weitere Umgebung)	Tanzania	ca.	6° 49' 00" S 37° 00' 00" E	
Kilossa (see Kilosa)	Tanzania		6° 50' 00" S 36° 59' 00" E	572 m
Kilossa, weitere Umgebung (see Kilosa, near), Tangayika, Deutsch Ost Afrika [=German East Africa]	Tanzania	ca.	6° 49' 00" S 37° 00' 00" E	
Kilubulushi (see Kitubulushi)	Congo (Democratic Republic of the)		12° 44' 00" S 28° 56' 00" E	1257 m
Kilubwezi	Congo (Democratic Republic of the)			
Kilulu Hill, Moa	Tanzania		4° 46' 00" S 39° 08' 00" E	
Kiluluma (see Tana river), Bura	Kenya		2° 31' 49" S 40° 31' 26" E	
Kilwa, lake Moero	Congo (Democratic Republic of the)		9° 18' 00" S 28° 20' 00" E	918 m
Kilwa (see Kilwa Kivinje)	Tanzania		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa district	Tanzania		9° 00' 00" S 39° 00' 00" E	
Kilwa Island, Lake Mwern	Zambia		9° 16' 00" S 28° 27' 00" E	
Kilwa Kivinje (see also: Kilwa, Kilwa-Kiwindje, Kilwa-Kiwindsche)	Tanzania		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa-Kiwindje (see Kilwa Kivinje)	Tanzania		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa-Kiwindsche (see Kilwa Kivinje)	Tanzania		8° 45' 00" S 39° 24' 00" E	25 m
Kilwezi	Congo (Democratic Republic of the)		9° 06' 00" S 26° 46' 00" E	854 m
Kilworth Estate, 26 km W Salisbury (see also: Harare, 26 km W, Lake McIlwaine, 2 mi [=3.2 km] N, McIlwaine, 2 mi [=3.2 km] N of Lake, Rusper Farm, Salisbury, 26 km W)	Zimbabwe		17° 50' 00" S 30° 47' 00" E	
Kimakia cave	Kenya		2° 30' 00" S 37° 45' 00" E	
Kimanika cave (see Grotte de Kimanika)	Congo		3° 59' 00" S 14° 25' 00" E	
Kimanika, grotte de (see Grotte de Kimanika)	Congo		3° 59' 00" S 14° 25' 00" E	
Kimbemba cataracts	Congo (Democratic Republic of the)	ca.	4° 51' 00" S 14° 06' 00" E	
Kimberley	South Africa		28° 48' 00" S 24° 46' 00" E	
Kimberley Reefs (see Bindura)	Zimbabwe		17° 17' 47" S 31° 19' 47" E	1070 m
Kimbinga market	Congo (Democratic Republic of the)		5° 08' 00" S 19° 03' 00" E	585 m
Kimboza Forest Reserve	Tanzania		7° 01' 45" S 37° 46' 42" E	
Kimilili, E face Mount Elgon (see also: Kimmilli)	Kenya		0° 47' 00" N 34° 43' 00" E	2073 m
Kimilili, near	Kenya	ca.	0° 47' 00" N 34° 43' 00" E	
Kimilolo	Congo (Democratic Republic of the)		11° 42' 00" S 27° 25' 00" E	
Kimmilli (see Kimilili), E face Mount Elgon	Kenya		0° 47' 00" N 34° 43' 00" E	2073 m
Kimpoko	Kiwako			
Kimpoko (see Kimpoko-Nsele)	Congo (Democratic Republic of the)		4° 14' 04" S 15° 33' 01" E	294 m
Kimpoko-Nsele (see also: Kimpoko, Nsele)	Congo (Democratic Republic of the)		4° 14' 04" S 15° 33' 01" E	294 m
Kimuenza cave (see also: Grotte de Kimuenza, Kimuenza grot, Kimwenza cave)	Congo (Democratic Republic of the)		4° 27' 33" S 15° 17' 20" E	
Kimuenza grot (see Kimuenza cave)	Congo (Democratic Republic of the)		4° 27' 33" S 15° 17' 20" E	
Kimuna	Rwanda		2° 32' 50" S 29° 43' 44" E	1788 m
Kimvuadu, se Mayumbe territory ?	Congo (Democratic Republic of the)		5° 15' 00" S 13° 18' 00" E	
Kimwenza cave (see Kimuenza cave)	Congo (Democratic Republic of the)		4° 27' 33" S 15° 17' 20" E	

Kin Damba (see Meya-Nzouari, cave)	Congo		3° 53' 16" S 14° 31' 19" E	
Kinakina	Madagascar			
Kinawa passage, confluence Thyuma & Semliki	Congo (Democratic Republic of the)		0° 40' 00" N 29° 50' 00" E	
Kinazi	Burundi		2° 23' 00" S 29° 58' 00" E	
Kinda	Congo (Democratic Republic of the)		4° 47' 00" S 21° 48' 00" E	470 m
Kindia (see also: Kindla)	Guinea		10° 04' 00" N 12° 51' 00" W	338 m
Kindia prefecture	Guinea			
Kindla (see Kindia)	Guinea		10° 04' 00" N 12° 51' 00" W	338 m
Kindoroko Forest Reserve	Tanzania		3° 45' 37" S 37° 38' 50" E	1688 m
Kindu (see also: Kindu-Port-Empain, Port de Kindu, Port-Empain)	Congo (Democratic Republic of the)		2° 57' 00" S 25° 57' 00" E	504 m
Kindu, 30 km SW (see Scierie Forest)	Congo (Democratic Republic of the)		3° 10' 00" S 25° 46' 00" E	
Kindu-Port-Empain (see Kindu)	Congo (Democratic Republic of the)		2° 57' 00" S 25° 57' 00" E	504 m
King William's Town (see also: King Williamstown)	South Africa		32° 53' 00" S 27° 24' 00" E	363 m
King William's Town, 1.4 km S, 5.2 km E (see Breidbach)	South Africa		32° 53' 31" S 27° 26' 42" E	380 m
King William's Town, 13.9 km N, 9.9 km W (see Pirie Trout hatchery)	South Africa		32° 45' 05" S 27° 17' 14" E	560 m
King William's Town, 16 km NW (see Pirie Mission)	South Africa		32° 47' 00" S 27° 13' 00" E	728 m
King William's Town, 17.7 km N, 9.5 km W (see Sandile's Cave)	South Africa		32° 43' 00" S 27° 17' 30" E	800 m
King William's Town, 18.2 km S, 14.9 km W	South Africa		33° 02' 29" S 27° 13' 56" E	244 m
King William's Town, 20 km NNW (see Sandile's Cave)	South Africa		32° 42' 00" S 27° 16' 00" E	800 m
King William's Town, 5.2 km S, 9.6 km W (see Green River)	South Africa		32° 55' 00" S 27° 18' 00" E	400 m
King Williamstown (see King William's Town), 100 km NE Grahamstown	South Africa		32° 53' 00" S 27° 24' 00" E	363 m
Kingabwa	Congo (Democratic Republic of the)		4° 18' 00" S 15° 18' 00" E	
Kingdom of Toro (see Toro district (former))	Uganda		0° 30' 00" N 30° 30' 00" E	5500 ft
Kingsborough (see also: Kingsburgh)	South Africa		30° 05' 00" S 30° 52' 00" E	0 m
Kingsburgh (see Kingsborough)	South Africa		30° 05' 00" S 30° 52' 00" E	
Kingspark	South Africa		29° 49' 31" S 31° 01' 50" E	
Kingsway, Salisbury	Zimbabwe		17° 49' 00" S 31° 03' 00" E	ca. 1481 m
Kingulube	Congo (Democratic Republic of the)		2° 38' 57" S 28° 01' 17" E	1238 m
Kinigi	Rwanda		1° 27' 00" S 29° 34' 00" E	2179 m
Kinkala	Congo		4° 21' 41" S 14° 45' 52" E	407 m
Kinke, near Lubumbashi	Congo (Democratic Republic of the)		11° 27' 00" S 27° 29' 00" E	1287 m
Kinkole, 25 mi [= 40 km] N of Kinshasa	Congo (Democratic Republic of the)		3° 57' 00" S 16° 07' 00" E	474 m
Kinna	Kenya		0° 19' 00" N 38° 12' 00" E	457 m
Kinole, N slope Uluguru mountains	Tanzania		6° 54' 00" S 37° 46' 00" E	739 m
Kinshasa (see also: Leopoldstad, Leopoldville, Léopoldville, Lovanium university)	Congo (Democratic Republic of the)		4° 19' 47" S 15° 18' 54" E	240 m
Kinshasa City province	Congo (Democratic Republic of the)			
Kinshasa, 10 km W (see also: TASOK (The American School of Kinshasa))	Congo (Democratic Republic of the)	ca.	4° 20' 00" S 15° 15' 00" E	
Kinshasa, near Leopoldville (see also: Léo-Est)	Congo (Democratic Republic of the)		4° 18' 00" S 15° 18' 00" E	177 m
Kintampo	Ghana		8° 03' 00" N 1° 43' 00" W	288 m
Kintobongo (see also: Kintobongo-Bunge, Kitobongo, Kitombongo)	Congo (Democratic Republic of the)		8° 53' 56" S 26° 23' 25" E	608 m
Kintobongo-Bunge (see Kintobongo)	Congo (Democratic Republic of the)		8° 53' 56" S 26° 23' 25" E	608 m
Kinu	Kenya		0° 58' 00" S 38° 18' 00" E	
Kinyala (see also: Kinyara)	Uganda		1° 38' 00" N 31° 35' 00" E	1262 m
Kinyamahura	Congo (Democratic Republic of the)		1° 18' 00" S 29° 33' 00" E	1905 m
Kinyara (see Kinyala)	Uganda		1° 38' 00" N 31° 35' 00" E	1262 m
Kinyiba cave	South Sudan		3° 49' 48" N 31° 34' 40" E	949 m
Kinyiba-Bekat, ca. 1 km W of town center	South Sudan		3° 49' 45" N 31° 35' 14" E	914 m
Kinzambi mission, near Kikwit (see also: Mission de Kinzambi)	Congo (Democratic Republic of the)		4° 58' 38" S 18° 46' 28" E	312 m

Kionja	Rwanda		1° 50' 00" S 30° 43' 00" E	1677 m
Kiono-Zaraninge Forest Reserve (see also: Zaraninge-Kiano forest reserve)	Tanzania	ca.	6° 08' 00" S 38° 36' 00" E	
Kipangani village	Tanzania		4° 57' 54" S 39° 42' 52" E	12 m
Kipangaribwe river, tributary of Lusinga river	Congo (Democratic Republic of the)		8° 56' 00" S 27° 12' 00" E	
Kipara and Ikulia Rivers, between	Tanzania			
Kipini	Kenya		2° 31' 31" S 40° 31' 46" E	0 m
Kipini, 5 mi [=8 km] E (see Shell BM Camp)	Kenya		2° 31' 00" S 40° 31' 00" E	
Kipkabus	Kenya		0° 18' 00" N 35° 30' 00" E	2543 m
Kipopo	Congo (Democratic Republic of the)		11° 34' 00" S 27° 21' 00" E	
Kipsain river	Kenya		1° 07' 00" N 35° 06' 00" E	1951 m
Kipushi	Congo (Democratic Republic of the)		11° 46' 00" S 27° 14' 00" E	1329 m
Kipushi territory	Congo (Democratic Republic of the)		11° 46' 00" S 27° 14' 00" E	
Kipushi, 15 km from (see Wasseige farm)	Congo (Democratic Republic of the)		11° 49' 45" S 27° 20' 00" E	
Kipushi, road to	Congo (Democratic Republic of the)	ca.	11° 45' 00" S 27° 15' 00" E	
Kiraboga	Tanzania		6° 51' 00" S 36° 59' 00" E	
Kiremba Mission	Burundi		3° 56' 00" S 29° 41' 00" E	
Kiri river (see Keri river)	Congo (Democratic Republic of the)		1° 29' 00" S 18° 58' 00" E	
Kiriamo	Uganda			
Kiribi (see Kribi)	Cameroon		2° 58' 00" N 9° 55' 00" E	
Kiribi, 14 km N (see Kribi, 14 km N)	Cameroon		3° 04' 00" N 9° 54' 00" E	
Kiribi, 4 km E (see Kribi, 4 km E)	Cameroon		2° 57' 00" N 9° 57' 00" E	
Kiribi, 7 km E (see Kribi, 7 km E)	Cameroon		2° 57' 00" N 9° 58' 00" E	
Kiribi, 7 mi [=11.3 km] N (see Kribi, 7 mi [=11.3 km] N)	Cameroon		2° 55' 00" N 9° 55' 00" E	
Kiribi, 9 km N (see Kribi, 9 km N)	Cameroon		3° 01' 00" N 9° 54' 00" E	
Kiribi, 9 km W (see Kribi, 9 km W)	Cameroon		2° 57' 00" N 9° 49' 00" E	
Kirimba	Kirimba			
Kirindy forest (CNFEREF) (see Tahiry Manokan' i Kirindy)	Madagascar		20° 52' 04" S 43° 54' 27" E	5 m
Kirindy Mitea National Park (see Tahiry Manokan' i Kirindy)	Madagascar		20° 52' 04" S 43° 54' 27" E	5 m
Kirinyaga (see Kenya, mount)	Kenya		0° 10' 00" S 37° 20' 00" E	
Kirinyaga county	Kenya			
Kiriri	Kenya		1° 12' 00" S 36° 34' 00" E	1971 m
Kiro (see Keiro)	South Sudan		5° 19' 48" N 31° 45' 22" E	439 m
Kiruhura district	Uganda			
Kirui	Kenya	ca.	1° 04' 00" N 34° 34' 00" E	
Kirumura, 1.1 - 2.1 km N, 0.8 - 1.1 km E (see Giserama, colline), Kibira National Park, Ndora Zone	Burundi		2° 50' 27" S 29° 25' 07" E	2045 m
Kirundo province	Burundi			
Kiryandongo district	Uganda			
Kisaki (see also: Kisaki Fort, Kissaki)	Tanzania		7° 28' 00" S 37° 36' 00" E	292 m
Kisaki Fort (see Kisaki)	Tanzania		7° 28' 00" S 37° 36' 00" E	292 m
Kisala (see Kisala-Kiama)	Congo (Democratic Republic of the)		4° 48' 00" S 13° 10' 00" E	433 m
Kisala Nkiama (see Kisala-Kiama)	Congo (Democratic Republic of the)		4° 48' 00" S 13° 10' 00" E	433 m
Kisala-Kiama (see also: Kisala, Kisala Nkiama)	Congo (Democratic Republic of the)		4° 48' 00" S 13° 10' 00" E	433 m
Kisanga	Congo (Democratic Republic of the)		0° 16' 00" N 29° 43' 00" E	960 m
Kisanga	Congo (Democratic Republic of the)		2° 25' 00" S 28° 18' 00" E	
Kisangani (see also: Singitini, Stanleystad, Stanleyville, Université de Kisangani, Faculté des Sciences, Zookis)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Kisangani - Mambasa road, km 122 (see Maganga)	Congo (Democratic Republic of the)		0° 51' 00" N 26° 22' 00" E	
Kisangani, 45 km E (see Tshakala)	Congo (Democratic Republic of the)		0° 27' 27" N 25° 32' 05" E	453 m
Kisangani, zone	Congo (Democratic Republic of the)	ca.	0° 30' 00" N 25° 12' 00" E	
Kisantu, near Mbanza-Ngungu	Congo (Democratic Republic of the)		5° 07' 00" S 15° 05' 00" E	
Kisarawe (see also: Kiserawe)	Tanzania		6° 54' 00" S 39° 04' 00" E	222 m
Kisarawe district	Tanzania		7° 10' 00" S 38° 50' 00" E	
Kisarawe, near	Tanzania	ca.	6° 53' 00" S 39° 03' 00" E	
Kisenyi (see Gisenyi)	Rwanda		1° 41' 15" S 29° 15' 17" E	1450 m

Kisenyi (see Kasenye)	Congo (Democratic Republic of the)		1° 24' 00" N 30° 26' 00" E	671 m
Kisenyi, road to Sake (see Gisenyi)	Rwanda		1° 41' 15" S 29° 15' 17" E	1450 m
Kiserawe (see Kisarawe)	Tanzania		6° 54' 00" S 39° 04' 00" E	222 m
Kiserui (see Kizerui)	Tanzania		5° 01' 37" S 38° 32' 46" E	
Kishero	Congo (Democratic Republic of the)		0° 11' 00" N 29° 39' 00" E	925 m
Kisiaunet, West-Pokot	Kenya		1° 17' 00" N 35° 05' 00" E	
Kisiguru (Mission) (see Kiziguro (Mission))	Rwanda		1° 46' 00" S 30° 24' 00" E	
Kisii	Kenya		0° 41' 00" S 34° 46' 00" E	1814 m
Kisii county	Kenya			
Kisii, 10 mi [=16 km] N (see Ahero, cave near)	Kenya		0° 32' 16" S 34° 46' 00" E	
Kisiju island	Tanzania		7° 24' 00" S 39° 20' 00" E	
Kisiki, 36 km N Beni (see also: Beni, 36 km N, Kisiki Kalume)	Congo (Democratic Republic of the)		0° 45' 00" N 29° 34' 00" E	1177 m
Kisiki Kalume (see Kisiki), 36 km N Beni	Congo (Democratic Republic of the)		0° 45' 00" N 29° 34' 00" E	1177 m
Kisikka	Tanzania			
Kisimayo (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kisimayu (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kisingani	Congo (Democratic Republic of the)		0° 32' 30" N 25° 11' 00" E	
Kisisile	Congo (Democratic Republic of the)		1° 25' 00" S 29° 30' 00" E	1250 m
Kisiushi, Kinke - Elisabethville [=Lubumbashi] road	Congo (Democratic Republic of the)		11° 30' 00" S 27° 30' 00" E	
Kismaanyo (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismaayo (see also: Chisimaio, Chisimayu, Kisimayo, Kisimayu, Kismaanyo, Kismaju, Kismanyó, Kismayo, Kismayu)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismaju (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismanyó (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismayo (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismayu (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kisolo (see Kisoro)	Uganda		1° 21' 14" S 29° 41' 54" E	1829 m
Kisoro (see also: Kisolo)	Uganda		1° 21' 14" S 29° 41' 54" E	1829 m
Kisoro district	Uganda			
Kissaki (see Kisaki)	Tanzania		7° 28' 00" S 37° 36' 00" E	292 m
Kissama cave (see Quiçama cave)	Angola	ca.	9° 40' 00" S 13° 45' 00" E	
Kissenji (see Gisenyi)	Rwanda		1° 41' 15" S 29° 15' 17" E	1450 m
Kissey (see Kissy), near Freetown	Sierra Leone		8° 28' 07" N 13° 11' 35" W	89 m
Kissidougou prefecture	Guinea			
Kissy, near Freetown (see also: Kissey, Kissy Village)	Sierra Leone		8° 28' 07" N 13° 11' 35" W	89 m
Kissy Village (see Kissy), near Freetown	Sierra Leone		8° 28' 07" N 13° 11' 35" W	89 m
Kisumo (see Kisumu)	Kenya		0° 06' 00" S 34° 45' 00" E	1131 m
Kisumu (see also: Kisumo, Lady Whitehouse, Port Florence, Winam)	Kenya		0° 06' 00" S 34° 45' 00" E	1131 m
Kisumu county	Kenya			
Kisumu district	Kenya		0° 15' 00" S 34° 55' 00" E	
Kiswanga	Tanzania		1° 57' 00" S 33° 56' 00" E	
Kiswawe	Tanzania			
Kiswishi [river], near Lubumbashi	Congo (Democratic Republic of the)		12° 51' 00" S 29° 12' 00" E	
Kit Mikayi	Kenya		0° 07' 04" S 34° 32' 28" E	
Kit Rawlins Farm, 4 mi E Nakuru (see also: Nakuru, 4 mi E)	Kenya	ca.	0° 17' 00" S 36° 04' 00" E	
Kitabi	Rwanda		2° 31' 30" S 29° 25' 17" E	
Kitale, foothills Mount Elgon	Kenya		1° 01' 00" N 35° 00' 00" E	1896 m
Kitale area	Kenya		1° 01' 00" N 35° 01' 00" E	
Kitale Township, W of	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	
Kitale, 10 mi [=16 km] NE	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	1920 m
Kitale, 12 mi [=19 km] ESE (see Stoneham Museum)	Kenya		1° 01' 00" N 35° 01' 01" E	1890 m
Kitale, 12 mi [=19 km] W	Kenya	ca.	1° 02' 00" N 34° 50' 00" E	1890 m
Kitale, 14 mi [=22.5 km] W	Kenya		1° 01' 00" N 34° 49' 00" E	1890 m
Kitale, 15 mi [=24 km] SE (see Cherangany)	Kenya		0° 59' 00" N 35° 10' 00" E	1890 m
Kitale, 16 km NE	Kenya		1° 01' 00" N 35° 01' 00" E	1920 m
Kitale, 18 mi [=29 km] SE (see Hoey's Bridge)	Kenya		0° 52' 34" N 35° 07' 13" E	1822 m
Kitale, 20 mi [=32 km] S	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	1951 m
Kitale, 20 mi [=32 km] SW (see Barberton Farm)	Kenya		0° 45' 00" N 34° 45' 00" E	
Kitale, 20 mi SW	Kenya			
Kitale, 21 mi [=34 km] from (see Central Elgon)	Kenya		1° 05' 00" N 34° 45' 00" E	1981 m
Kitale, 22 km W	Kenya		1° 01' 00" N 34° 49' 00" E	

Kitale, 22.5 km W	Kenya		1° 01' 00" N 34° 49' 00" E	1890 m
Kitale, 23 km W	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	1890 m
Kitale, 24 km E	Kenya		1° 01' 00" N 35° 14' 00" E	1920 m
Kitale, 24 km from	Kenya		1° 08' 00" N 34° 52' 00" E	
Kitale, 24 km W (see Mount Elgon, NE face)	Kenya	ca.	1° 08' 00" N 34° 33' 00" E	
Kitale, 25 mi [=40 km] NW	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	2042 m
Kitale, 29 km SW	Kenya		1° 01' 00" N 35° 01' 00" E	
Kitale, 29 km W	Kenya	ca.	1° 07' 00" N 34° 35' 00" E	
Kitale, 48 km from	Kenya		1° 03' 00" N 34° 35' 00" E	
Kitale, 5 mi [=8 km] E (see Bowker Farm)	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	
Kitale, 50 km from	Kenya		1° 03' 00" N 34° 35' 00" E	1950 m
Kitale, 7 mi [=11.3 km] E	Kenya	ca.	1° 02' 00" N 35° 00' 00" E	
Kitale, 97 km SW	Kenya		0° 26' 00" N 34° 48' 00" E	
Kitangua	Congo (Democratic Republic of the)		6° 17' 00" S 20° 20' 00" E	649 m
Kitau	Kenya		2° 18' 07" S 40° 56' 22" E	
Kitaya, Ruvuma River	Tanzania		10° 39' 00" S 40° 10' 00" E	45 m
Kitega (see Gitega)	Burundi		3° 25' 35" S 29° 55' 51" E	1845 m
Kitgum district	Uganda			
Kitgum, 45 mi [=72 km] ESE (see Amiel)	Uganda		2° 58' 00" N 33° 27' 00" E	1137 m
Kithembe (sub-)location	Kenya	ca.	1° 46' 00" S 37° 22' 00" E	
Kithimani area	Kenya		1° 11' 12" S 37° 26' 49" E	
Kitimi	Congo (Democratic Republic of the)		3° 58' 00" S 15° 53' 00" E	
Kitobongo (see Kintobongo)	Congo (Democratic Republic of the)		8° 53' 56" S 26° 23' 25" E	608 m
Kitoko River	Kenya			
Kitombongo (see Kintobongo)	Congo (Democratic Republic of the)		8° 53' 56" S 26° 23' 25" E	608 m
Kitonga	Congo (Democratic Republic of the)		0° 30' 00" S 29° 18' 00" E	920 m
Kitongo	Congo (Democratic Republic of the)		3° 46' 00" S 28° 11' 00" E	1400 m
Kitta (see Keta)	Ghana		5° 55' 00" N 0° 59' 00" E	48 m
Kitubulushi (see also: Kilubulushi)	Congo (Democratic Republic of the)		12° 44' 00" S 28° 56' 00" E	1257 m
Kitui (see also: Ukamba)	Kenya		1° 22' 00" S 38° 01' 00" E	1151 m
Kitui county	Kenya			
Kitum Cave (see Kitum caves)	Kenya		1° 07' 00" N 34° 40' 00" E	2134 m
Kitum caves (see also: Kitum Cave)	Kenya		1° 07' 00" N 34° 40' 00" E	2134 m
Kitundu Kinda	Congo (Democratic Republic of the)		9° 30' 00" S 24° 55' 00" E	
Kitungulu, southwestern	Tanzania	ca.	8° 29' 00" S 31° 17' 00" E	
Kituta Bay, South end Lake Tanganyika	Zambia		8° 32' 00" S 30° 30' 00" E	2775 ft
Kitutu	Congo (Democratic Republic of the)		3° 17' 14" S 28° 05' 08" E	1040 m
Kitwabaluzi	Congo (Democratic Republic of the)		2° 53' 00" S 28° 35' 00" E	1543 m
Kitwe, Mwekera (see also: Kitwe Nkana, Nkana-Kitwe, Nkane-Kitwe)	Zambia		12° 59' 00" S 28° 12' 00" E	1212 m
Kitwe Nkana (see Kitwe), Mwekera	Zambia		12° 59' 00" S 28° 12' 00" E	1212 m
Kiu	Kenya		1° 54' 00" S 37° 10' 00" E	1503 m
Kiulu Mgemgo (see Kuili Ngongo)	Congo (Democratic Republic of the)		4° 24' 00" S 17° 42' 00" E	
Kiumba (see also: Kihumba)	Congo (Democratic Republic of the)		1° 56' 25" S 29° 04' 47" E	1602 m
Kiuu	Kenya		0° 36' 00" S 37° 09' 00" E	1308 m
Kivani	Kenya		1° 43' 00" S 37° 22' 00" E	1529 m
Kivokwe Rock	Kenya			
Kivondo Forest	Kenya		4° 12' 00" S 39° 27' 00" E	
Kivu (see Kivu region)	Congo (Democratic Republic of the)			
Kivu meer (see Lake Kivu)	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 28° 55' 00" E	
Kivu mountains	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 28° 45' 00" E	
Kivu region (see also: Kivu)	Congo (Democratic Republic of the)			
Kivu volcano (see Nyirogongo volcano)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Kivu, lac (see Lake Kivu)	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 28° 55' 00" E	

Kivu, lake (see Lake Kivu)	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 28° 55' 00" E	
Kivu, near	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 28° 45' 00" E	
Kivulo, on Lufira river	Congo (Democratic Republic of the)			
Kivumoni Forest, 5 km SE Kwale (see also: Kwale, 5 km SE)	Kenya		4° 13' 00" S 39° 29' 00" E	
Kiwakishi cave (see Kiamokoto)	Congo (Democratic Republic of the)		9° 10' 00" S 27° 04' 00" E	900 m
Kiwakishi grot (see Kiamokoto)	Congo (Democratic Republic of the)		9° 10' 00" S 27° 04' 00" E	900 m
Kiwako	Kiwako			
Kiwenga	Tanzania		5° 59' 24" S 39° 22' 35" E	
Kiwenga, near	Tanzania	ca.	5° 59' 24" S 39° 22' 35" E	16 m
Kiwengoma Forest Reserve	Tanzania		8° 20' 36" S 38° 55' 09" E	
Kiwengwa-Pongwe Forest Reserve cave	Tanzania		6° 00' 43" S 39° 22' 03" E	29 m
Kiyabé (see Kyabé)	Chad		9° 27' 00" N 18° 57' 00" E	366 m
Kiyabi (see Kyabé)	Chad		9° 27' 00" N 18° 57' 00" E	366 m
Kiyite	Congo (Democratic Republic of the)			
Kizara Logging Site	Tanzania	ca.	4° 52' 00" S 38° 38' 00" E	
Kizerui (see also: Kiserui)	Tanzania		5° 01' 37" S 38° 32' 46" E	
Kiziguro (Mission) (see also: Kisiguru (Mission), Kiziguru (Mission))	Rwanda		1° 46' 00" S 30° 24' 00" E	
Kiziguru (Mission) (see Kiziguro (Mission))	Rwanda		1° 46' 00" S 30° 24' 00" E	
Kizimkazi, Zanzibar (see also: Kizimkazi Mkunguni, Mkunguni)	Tanzania		6° 27' 00" S 39° 28' 00" E	0 m
Kizimkazi Mkunguni (see Kizimkazi), Zanzibar	Tanzania		6° 27' 00" S 39° 28' 00" E	0 m
Klarer (see Klawer), Van Rhynsdorp	South Africa		31° 46' 59" S 18° 40' 36" E	65 m
Klaserie Private Nature Reserve, Phalaborwa	South Africa		24° 12' 00" S 31° 11' 00" E	
Klaserie-Olifant River Confluence, Phalaborwa	South Africa		24° 05' 00" S 31° 14' 00" E	
Klaver (see Klawer), Van Rhynsdorp	South Africa		31° 46' 59" S 18° 40' 36" E	65 m
Klawer, Van Rhynsdorp (see also: Klarer, Klaver)	South Africa		31° 46' 59" S 18° 40' 36" E	65 m
Klein Aus Farm 8, 3 km W Aus (see also: Aus, 3 km W)	Namibia		26° 39' 00" S 16° 15' 00" E	
Klein Batanga (see Petit Batanga)	Cameroon		3° 11' 55" N 9° 55' 36" E	0 m
Klein Letaba (river)	South Africa	ca.	23° 38' 53" S 31° 08' 42" E	
Klein Letaba, 14 km W	South Africa	ca.	23° 08' 00" S 30° 25' 00" E	
Klein Nama land (see Little Namaqualand)	South Africa		28° 30' 00" N 17° 00' 00" E	
Klein Namutoni (waterholes) (see also: Sandup)	Namibia		18° 49' 00" S 16° 57' 00" E	3400 ft
Klein Windhoek	Namibia		22° 34' 44" S 17° 06' 03" E	1867 m
Kleinfontein, 20 mi [=32 km] NE Zeerust (see also: Zeerust, 20 mi [=32 km] NE)	South Africa		25° 25' 00" S 26° 20' 00" E	
Klein-Letaba	South Africa		23° 08' 00" S 30° 27' 00" E	670 m
Kleinmond, 0.5 km S, 10.1 km W (see Harold Porter Botanical Reserve)	South Africa		34° 20' 49" S 18° 55' 33" E	60 m
Kleinpoort, Grahamstown	South Africa		33° 19' 49" S 24° 52' 36" E	541 m
Kleinpoort, Farm (see Farm Kleinpoort (Bd))	South Africa		33° 13' 20" S 26° 46' 16" E	200 m
Klein-Popo (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Kleintuinfontein, Farm (see Farm Kleintuinfontein)	South Africa		30° 10' 42" S 24° 46' 13" E	3900 ft
Klipbanksfontein, Farm 607 (see Farm Klipbanksfontein 607), Postmasburg	South Africa	ca.	28° 18' 00" S 23° 05' 00" E	
Klipfontein, Klein Namaqualand	South Africa		32° 26' 00" S 25° 45' 00" E	
Klipfontein, Farm 407 (see Farm Klipfontein 407), 19 km SSE Ohhrigstad	South Africa		24° 33' 28" S 30° 36' 28" E	
Klipfontein, Farm 54JS (see Farm Klipfontein 54JS), 30 km NE Vaalwater; Waterberg	South Africa		24° 08' 00" S 28° 08' 00" E	
Klipgat, Farm 217JT (see Farm Klipgat 217JT)	South Africa		25° 11' 00" S 30° 43' 00" E	
Klipsteen, Farm 67JT (see Farm Klipsteen 67JT)	South Africa		25° 13' 25" S 30° 18' 12" E	
Kloa	Cameroon		4° 39' 00" N 9° 26' 00" E	
Kloof	South Africa		29° 47' 00" S 30° 50' 00" E	
Kloof area	South Africa	ca.	29° 47' 00" S 30° 50' 00" E	
Kloof Falls Road/ Bridle Road picnic site	South Africa		29° 46' 00" S 30° 49' 00" E	
Kloto (see also: Hausberg, Klouto, Kluto)	Togo		6° 57' 00" N 0° 34' 00" E	603 m
Kloto prefecture (see Préfecture de Kloto)	Togo		7° 05' 00" N 0° 45' 00" E	
Klouto (see Kloto)	Togo		6° 57' 00" N 0° 34' 00" E	603 m
Klouto, circonscription de (see Préfecture de Kloto)	Togo		7° 05' 00" N 0° 45' 00" E	
Kluga	Liberia		8° 27' 01" N 9° 43' 19" W	568 m
Kluga mountains	Liberia		8° 25' 00" N 9° 45' 00" W	
Kluto (see Kloto)	Togo		6° 57' 00" N 0° 34' 00" E	603 m
Klysma (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m

Knoffelfontein	South Africa		29° 52' 00" S 24° 49' 00" E	1233 m
Knysna	South Africa		34° 02' 00" S 23° 02' 00" E	0 m
(see also: De Nysna, Millwood Goldmine (museum))				
Knysna, 14 km NNE (see Diepwalle State Forest)	South Africa		33° 56' 00" S 23° 09' 00" E	
Knysna, 3.0 km S, 10.0 km W (see Goukamma Nature Reserve)	South Africa		34° 03' 00" S 22° 56' 00" E	30 m
Knysna, 3.8 km S, 9,3 km W (see Goukamma Nature Reserve)	South Africa		34° 03' 00" S 22° 56' 00" E	30 m
Ko[g]enga	Congo (Democratic Republic of the)			
Kobani (see Mkoani)	Tanzania		5° 22' 00" S 39° 39' 00" E	0 m
Koboko district	Uganda			
Kobolet river, near Cherangani	Kenya		1° 00' 00" N 35° 14' 00" E	
Kobos, 38 mi SW Rehoboth	Namibia		23° 35' 00" S 16° 40' 00" E	1622 m
(see also: Rehoboth, 38 mi [=61 km] SW)				
Kochina	Namibia		27° 12' 00" S 18° 52' 00" E	
Kodak, near (see Kodok, near), Malakal district	South Sudan		9° 53' 00" N 32° 07' 00" E	271 m
Kodegbe	Togo		7° 31' 00" N 1° 03' 00" E	
Kodja hill	Congo (Democratic Republic of the)		3° 09' 00" N 29° 29' 00" E	
Kodok, near, Malakal district	South Sudan		9° 53' 00" N 32° 07' 00" E	271 m
(see also: Fashoda, near, Kodak, near)				
Kodoko river (see Kokodo river)	Congo (Democratic Republic of the)		4° 38' 00" N 29° 30' 00" E	
Kodou, Kaga (Hill)	Central African Republic		6° 01' 00" N 20° 23' 00" E	
(see also: Kaga Kodou (Hill))				
Koedoeskloof, Farm (see Farm Koedoeskloof)	South Africa		32° 21' 23" S 23° 27' 04" E	884 m
Koedoeskop Game Ranch	South Africa		32° 59' 00" S 25° 11' 15" E	
(see also: Kuduskop)				
Koegelbeen Caves, Hay [=Griekwastad]; 21 km NE Griekwastad	South Africa		28° 39' 11" S 23° 20' 55" E	
Koegelbeen, Farm (see Farm Koegelbeen), 21 km NE Griekwastad	South Africa		28° 40' 00" S 23° 21' 00" E	
Koele, Farm 97 (see Thaba Nchu)	South Africa		29° 13' 00" S 26° 50' 00" E	1531 m
Koës	Namibia		25° 57' 00" S 19° 07' 00" E	976 m
Koes, 89 km ENE (see Farm Welverdiend 328)	Namibia			
Kofale (see Kofele)	Ethiopia		7° 04' 00" N 38° 47' 00" E	2505 m
Kofele	Ethiopia		7° 04' 00" N 38° 47' 00" E	2505 m
(see also: Cofole, Kefole, Kofale, Koffolé)				
Koffiebaai (see Coffee Bay)	South Africa		31° 58' 00" S 29° 09' 00" E	20 m
Koffolé (see Kofele)	Ethiopia		7° 04' 00" N 38° 47' 00" E	2505 m
Koforidua	Ghana		6° 05' 00" N 0° 15' 00" W	238 m
Kogi state	Nigeria			
Koha Dairy Development (see Koka Dairy Development)	Ethiopia		8° 25' 28" N 39° 02' 21" E	1602 m
Koi area	Ethiopia		6° 39' 00" N 35° 14' 00" E	
Kojali Bach	Ghana	ca.	6° 30' 00" N 1° 25' 00" W	
K'ok'a	Ethiopia		8° 26' 00" N 39° 02' 00" E	1700 m
(see also: Coca, Koka)				
Koka (see K'ok'a)	Ethiopia		8° 26' 00" N 39° 02' 00" E	1700 m
Koka Dairy Development, 2 km S Koka	Ethiopia		8° 25' 28" N 39° 02' 21" E	1602 m
(see also: Koha Dairy Development)				
Kokapipa (see Bata)	Equatorial Guinea		1° 51' 00" N 9° 45' 00" E	
Koko, near Zou river, near Bante	Benin		8° 22' 30" N 1° 50' 12" E	252 m
Kokodo river	Congo (Democratic Republic of the)		4° 38' 00" N 29° 30' 00" E	
(see also: Kodoko river)				
Kokodu	Congo (Democratic Republic of the)		4° 35' 00" N 29° 32' 00" E	
Kokofu	Ghana		7° 43' 00" N 0° 53' 00" W	151 m
(see also: Kokofu Dente)				
Kokofu Dente (see Kokofu)	Ghana		7° 43' 00" N 0° 53' 00" W	151 m
Kokolyo (see Kadam, mount)	Uganda		1° 43' 19" N 34° 42' 49" E	
Kokonde	Congo (Democratic Republic of the)			
Kokotoni (see Mkokotoni), Zanzibar	Tanzania		5° 52' 00" S 39° 15' 00" E	0 m
Kok's farm (see Farm Otto's Bluff), 15 km NNW Pietermaritzburg	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Koks farm (see Farm Otto's Bluff), Pietermaritzburg	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Kokstad mine	South Africa		30° 48' 36" S 29° 16' 48" E	
Kolda region	Senegal			
Kole district	Uganda			
Kolenté	Guinea		10° 06' 00" N 12° 37' 00" W	148 m
(see also: La Kolenté, Yogorania, Yogoronia)				
Kolente, 10 km W	Guinea	ca.	10° 05' 00" N 12° 30' 00" W	400 m
Kolente, 12 km W (see Nyembaro)	Guinea		10° 05' 00" N 12° 30' 00" W	

Koli (see also: Mabil)	Ethiopia		10° 26' 00" N 36° 52' 00" E	1626 m
Koli, 10 km W (see also: Mabil, 10 km W)	Ethiopia	ca.	10° 19' 00" N 36° 45' 00" E	
Kologi	Sudan		10° 51' 38" N 30° 58' 52" E	525 m
Koloka, S of Angu	Congo (Democratic Republic of the)		3° 23' 00" N 24° 30' 00" E	
Kolokopé (see also: Korrekope)	Togo		7° 48' 00" N 1° 18' 00" E	147 m
Koloniesplaas, 28 mi [=45 km] N Graaff-Reinet (see also: Coloniesplaats, Graaff-Reinet, 28 mi [=45 km] N)	South Africa		31° 59' 34" S 24° 47' 58" E	
Kolossia (see Kalosia)	Kenya		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Kolwezi	Congo (Democratic Republic of the)		10° 43' 00" S 25° 28' 21" E	1448 m
Kolwezi province	Congo (Democratic Republic of the)			
Kôm ?amâda (see Kawm ?amadah)	Egypt		30° 45' 21" N 30° 41' 56" E	13 m
Kom O Shim (see Kawm Ushim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Kôm Ombo (see Kawn Umbu)	Egypt		24° 28' 45" N 32° 56' 37" E	109 m
Kom Omshin (see Kawm Ushim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Kom Oshim (see Kawm Ushim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Koma forest, 5 km N, 20 km W	Ethiopia	ca.	7° 12' 00" N 36° 30' 00" E	1900 m
Komanda (see also: Komande)	Congo (Democratic Republic of the)		1° 23' 00" N 29° 46' 00" E	928 m
Komande (see Komanda)	Congo (Democratic Republic of the)		1° 23' 00" N 29° 46' 00" E	928 m
Komati River	South Africa		25° 26' 00" S 31° 57' 00" E	
Komatipoort, 62 km SE Skukuza (see also: Skukuza, 62 km SE)	South Africa		25° 26' 00" S 31° 56' 00" E	137 m
Komatipoort, 3 mi [=4.8 km] NE (see TSD Sugar Estate No.3 Section)	South Africa	ca.	25° 23' 43" S 31° 57' 04" E	
Komatipoort, 3.2 km N	South Africa	ca.	25° 24' 31" S 31° 57' 17" E	
Kombé-Tiko (see also: Kombetiko, Konbé tiko)	Cameroon		4° 40' 00" N 14° 35' 00" E	676 m
Kombetiko (see Kombé-Tiko)	Cameroon		4° 40' 00" N 14° 35' 00" E	676 m
Kombi stream, behind Reeder compound, Lire Payam	South Sudan		3° 55' 58" N 31° 36' 17" E	950 m
Kombole (see Khombole)	Senegal		14° 46' 00" N 16° 42' 00" W	18 m
Kommissiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa		25° 48' 00" S 27° 14' 00" E	
Komoe National Park (see Comoé National Park)	Côte d'Ivoire		8° 49' 21" N 3° 35' 26" W	
Komondjari province	Burkina Faso			
Komono	Congo		3° 16' 39" S 13° 13' 34" E	460 m
Kompienga province	Burkina Faso			
Kona	Congo (Democratic Republic of the)		2° 02' 00" N 22° 47' 00" E	
Konakri (see Conakry)	Guinea		9° 30' 33" N 13° 42' 44" W	0 m
Konakry (see Conakry) (see also: Great Forest of the East)	Guinea		9° 30' 33" N 13° 42' 44" W	0 m
Konankira (see also: Konankoïna, Konankoïne, Konankoira)	Burkina Faso		12° 54' 00" N 3° 54' 00" W	254 m
Konankoffikro (see also: Kanan-Koffi-Kro)	Côte d'Ivoire		6° 58' 00" N 5° 14' 00" W	217 m
Konankoffikro (see Konankofikro)	Côte d'Ivoire		6° 58' 16" N 5° 14' 41" W	217 m
Konankofikro (see also: Konankoffikro)	Côte d'Ivoire		6° 58' 16" N 5° 14' 41" W	217 m
Konankoïna (see Konankira)	Burkina Faso		12° 54' 00" N 3° 54' 00" W	254 m
Konankoïne (see Konankira)	Burkina Faso		12° 54' 00" N 3° 54' 00" W	254 m
Konankoira (see Konankira)	Burkina Faso		12° 54' 00" N 3° 54' 00" W	254 m
Konbé tiko (see Kombé-Tiko)	Cameroon		4° 40' 00" N 14° 35' 00" E	676 m
Kondo cave (see Kakanda cave)	Congo (Democratic Republic of the)		10° 47' 00" S 26° 36' 00" E	1438 m
Kondo grot (see Kakanda cave)	Congo (Democratic Republic of the)		10° 47' 00" S 26° 36' 00" E	1438 m
Kondoa (see also: Kondoa Irangi)	Tanzania		4° 54' 00" S 35° 47' 00" E	1405 m
Kondoa Irangi (see Kondoa)	Tanzania		4° 54' 00" S 35° 47' 00" E	1405 m
Kondoa, 100 mi [=160 km] E (see Kujungu)	Tanzania		5° 14' 56" S 37° 06' 01" E	
Kondowe (see Livingstonia)	Malawi		10° 36' 22" S 34° 06' 23" E	1276 m
Kondue [river]	Congo (Democratic Republic of the)		4° 57' 00" S 23° 21' 00" E	
Kong	Cameroon			
Kong	Côte d'Ivoire		9° 09' 00" N 4° 37' 00" W	308 m
Kongelai, on Kaiboni River or on Suam River	Kenya		1° 28' 00" N 35° 01' 00" E	1350 m
Kongelai Escarpment (see also: Kongelai Escarpment)	Kenya		1° 28' 00" N 35° 01' 00" E	

Kongelai Escarpment (see Kongelai Escarpment), 10 mi NNW Kapenguria (see also: Kapenguria, 10 mi [=16 km] NNW, Tambala Falls)	Kenya		1° 28' 00" N 35° 01' 00" E	
Kongelai, 12 mi [=19 km] W	Kenya	ca.	1° 28' 00" N 35° 01' 00" E	1890 m
Kongelai, 3 mi [=4.8 km] S	Kenya	ca.	1° 28' 00" N 35° 01' 00" E	1372 m
Kongo Central province (see also: Bas Congo (former) province, Bas Congo province)	Congo (Democratic Republic of the)	ca.	5° 00' 00" S 15° 00' 00" E	
Kongo mines	Ghana			
Kongola ferry area (see also: Kongolo)	Namibia		17° 48' 00" S 23° 23' 00" E	952 m
Kongolo	Congo (Democratic Republic of the)		5° 25' 00" S 27° 00' 00" E	
Kongolo (see Kongola ferry area)	Namibia		17° 48' 00" S 23° 23' 00" E	952 m
Kongolo, island (see also: Ile de Kongolo)	Congo (Democratic Republic of the)		0° 03' 00" N 25° 12' 00" E	
Kongor, 60 mi N Bor (see also: Bor, 60 mi [=96.5 km] N)	South Sudan		7° 10' 00" N 31° 20' 00" E	
Kongwa, 97 km E Dodoma (see also: Dodoma, 97 km E)	Tanzania		6° 12' 00" S 36° 25' 00" E	1135 m
Kongwe Hill, Fort Jameson district	Zambia		13° 08' 00" S 32° 47' 00" E	
Konia, 0.5 mi [=0.8 km] SE	Sierra Leone		8° 06' 00" N 11° 01' 00" W	
Konia, 5 mi [=8 km] SE	Sierra Leone		8° 06' 00" N 11° 01' 00" W	
Konkori, NE	Ghana	ca.	9° 36' 00" N 1° 46' 00" W	ca. 350 m
Konkori, NE escarpment top	Ghana	ca.	9° 40' 00" N 1° 45' 00" W	
Konongo, near Lake Rukwa	Tanzania	ca.	6° 45' 00" S 31° 25' 00" E	
Konongo	Ghana		6° 37' 00" N 1° 13' 00" W	231 m
Kontaur (see Kuntaur)	The Gambia		13° 40' 00" N 14° 53' 00" W	0 m
Kontundwe (see Kantundwe)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1150 m
Konyola, near Kisangani	Congo (Democratic Republic of the)		0° 03' 00" N 25° 12' 00" E	
Konza	Kenya		1° 45' 00" S 37° 07' 00" E	1583 m
Konza area	Kenya	ca.	1° 45' 00" S 37° 07' 00" E	
Konza Farm	Kenya	ca.	1° 45' 00" S 37° 07' 00" E	
Konza Hill	Kenya		1° 35' 00" S 37° 42' 00" E	
Koppies	South Africa		27° 14' 00" S 27° 34' 00" E	
Koran Badas	Kenya		1° 21' 00" S 40° 29' 00" E	
Korau, Turkwell/Suam rivers	Kenya		3° 06' 00" N 36° 06' 00" E	
Kordofan	Sudan	ca.	13° 12' 00" N 30° 14' 00" E	
Korem (see Koreme)	Ethiopia		9° 18' 53" N 41° 38' 34" E	2556 m
Koreme (see also: Korem, Koreme)	Ethiopia		9° 18' 53" N 41° 38' 34" E	2556 m
Koreme (see Koreme)	Ethiopia		9° 18' 53" N 41° 38' 34" E	2556 m
Korforidua, 20 mi [=32 km] N (see Boti Falls)	Ghana		6° 22' 00" N 0° 19' 00" W	
Korfshoek, Farm 193 (see Farm Korfshoek 193), Harrismith	South Africa		28° 30' 00" S 28° 46' 00" E	
Korhogo	Côte d'Ivoire		9° 27' 00" N 5° 38' 00" W	426 m
Korhogo department	Côte d'Ivoire	ca.	9° 27' 00" N 5° 37' 00" W	ca. 400 m
Korhogo, 180 km E	Côte d'Ivoire		9° 27' 00" N 3° 59' 00" W	
Korkoro (see also: Korkoru)	Chad		12° 52' 00" N 21° 01' 00" E	500 m
Korkoru (see Korkoro)	Chad		12° 52' 00" N 21° 01' 00" E	500 m
Kornpuosamaki (see Kampi Ya Samaki)	Kenya		0° 36' 00" N 36° 01' 00" E	1054 m
Korobi, Jabal (see also: Jabal Korobi, Korobi, mount, Mount Korobi)	South Sudan		3° 57' 40" N 30° 53' 46" E	
Korobi, mount (see Korobi, Jabal)	South Sudan		3° 57' 40" N 30° 53' 46" E	
Korogwe (see also: Nkologwe)	Tanzania		5° 09' 00" S 38° 29' 00" E	301 m
Korogwe district	Tanzania		5° 00' 00" S 38° 25' 00" E	
Korogwe, 12.5 km NW	Tanzania	ca.	5° 08' 00" S 38° 30' 00" E	
Korosko (see Kurusku)	Egypt		24° 31' 00" N 33° 09' 00" E	119 m
Korovi, mount (see also: Mount Korovi)	Congo (Democratic Republic of the)		1° 39' 00" N 30° 36' 00" E	2010 m
Korrekope (see Kolokopé)	Togo		7° 48' 00" N 1° 18' 00" E	147 m
Koru	Kenya		0° 11' 00" S 35° 16' 00" E	1980 m
Koru, 10 km ENE	Kenya		0° 10' 00" S 35° 17' 00" E	
Koru, 3 mi [=5 km] N (see Legetet Hill)	Kenya		0° 10' 00" S 35° 17' 00" E	
Koru, 3 mi N	Kenya		0° 11' 00" S 35° 16' 00" E	
Korup Forest Reserve (see Korup National Park)	Cameroon	ca.	5° 12' 05" N 8° 53' 36" E	
Korup National Park (see also: Korup Forest Reserve)	Cameroon	ca.	5° 12' 05" N 8° 53' 36" E	
Koseir (see Al Qusayr)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Kosi (see Kosi Lake)	South Africa		26° 58' 00" S 32° 50' 00" E	
Kosi Bay (see Kosibaai)	South Africa		26° 54' 00" S 32° 52' 00" E	

Kosi Bay estuary, Ingwavuma	South Africa		26° 54' 00" S 32° 52' 00" E	
Kosi Bay Nature Reserve	South Africa		26° 57' 21" S 32° 49' 25" E	39 m
Kosi Lake	South Africa		26° 58' 00" S 32° 50' 00" E	
(see also: Department of Health camp, Kosi, Kosimeer , KuHlange, Lake Kosi, Lake Nhlage, Nhlage Lake , Nhlange, Lake)				
Kosibaai	South Africa		26° 54' 00" S 32° 52' 00" E	
(see also: Kosi Bay)				
Kosimeer (see Kosi Lake)	South Africa		26° 58' 00" S 32° 50' 00" E	
Koskobo (see Kosokobo II)	Chad		9° 29' 00" N 19° 14' 56" E	362 m
Kosmos, Western Shore Hartebeespoortdam	South Africa		25° 44' 00" S 27° 51' 00" E	1139 m
(see also: Village Kosmos)				
Kosokobo (see Kosokobo II)	Chad		9° 29' 00" N 19° 14' 56" E	362 m
Kosokobo II	Chad		9° 29' 00" N 19° 14' 56" E	362 m
(see also: Koskobo, Kosokobo, Kossokobo)				
Kosombo (see Akosombo)	Ghana		6° 18' 00" N 0° 03' 00" E	76 m
Kosrou (see Cosrou)	Côte d'Ivoire		5° 19' 16" N 4° 39' 41" W	72 m
Kossi province	Burkina Faso			
Kossokobo (see Kosokobo II)	Chad		9° 29' 00" N 19° 14' 56" E	362 m
Koster Cave, Zwartrand	South Africa		25° 52' 00" S 26° 54' 00" E	
Kosti (see Kusti)	Sudan		13° 10' 00" N 32° 40' 00" E	380 m
Kota Kota (see Nkhotakota), W Lake Nyasa	Malawi		12° 55' 00" S 34° 18' 00" E	471 m
KotaPC:NK|)	Malawi	ca.	12° 48' 15" S 34° 04' 59" E	
Kota-Kota (see Nkhotakota)	Malawi		12° 55' 00" S 34° 18' 00" E	471 m
Koteli (see Kotili)	Congo (Democratic Republic of the)		2° 52' 00" N 24° 33' 00" E	432 m
Kotido district	Uganda			
Kotili	Congo (Democratic Republic of the)		2° 52' 00" N 24° 33' 00" E	432 m
(see also: Koteli)				
Kotokeinyang (see Kotokeynyang, mountain)	South Sudan		4° 13' 07" N 32° 47' 50" E	
Kotokeynyang, mountain	South Sudan		4° 13' 07" N 32° 47' 50" E	
(see also: Kotokeinyang)				
Kotonou (see Cotonou)	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Kotonu (see Cotonou)	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Kotur	Tanzania			
Kouandé	Benin		6° 24' 00" N 2° 04' 00" E	66 m
(see also: Kwade, Kwande)				
Koubia prefecture	Guinea			
Kouda Topki	Togo		6° 37' 48" N 0° 51' 36" E	
Kouf National Park (see Kuf National Park)	Libya		32° 18' 00" N 20° 25' 00" E	
Kouf Park lodge, 3 km S (see Kuf National Park lodge, 3 km S)	Libya		32° 41' 00" N 21° 34' 00" E	
Kouilou	Congo			
Kouilou departement	Congo	ca.	4° 00' 00" S 12° 00' 00" E	
(see also: Région de Kouilou)				
Kouilou River, Kouilou River	Congo			
Koukany (see Kounkané)	Senegal		12° 56' 00" N 14° 05' 00" W	23 m
Koular	Senegal		13° 41' 00" N 16° 11' 00" W	2 m
(see also: Coular, Koularbou, Kular)				
Koularbou (see Koular)	Senegal		13° 41' 00" N 16° 11' 00" W	2 m
Koulikoro region	Mali			
Koum	Cameroon		8° 23' 00" N 14° 31' 00" E	358 m
(see also: Kum)				
Koumbala Camp	Central African Republic		7° 29' 00" N 21° 13' 00" E	600 m
Koumbala Camp, 11.5 km NW	Central African Republic		7° 29' 00" N 21° 13' 00" E	600 m
Koumbia	Burkina Faso		11° 14' 00" N 3° 42' 00" W	317 m
(see also: Kumbia)				
Koumkandé (see Kounkané)	Senegal		12° 56' 00" N 14° 05' 00" W	23 m
Koundara prefecture	Guinea		12° 25' 00" N 13° 10' 00" W	
Koundara, 32 km SW (see Boussoura)	Guinea		12° 17' 00" N 13° 03' 00" W	100 m
Kounden	Cameroon		5° 42' 00" N 10° 40' 00" E	1326 m
Koundja	Cameroon		5° 37' 00" N 10° 45' 00" E	1182 m
(see also: Kounja, Kundja)				
Koungou	Mayotte		12° 43' 59" S 45° 09' 44" E	10 m
Kounja (see Koundja)	Cameroon		5° 37' 00" N 10° 45' 00" E	1182 m
Kounkané	Senegal		12° 56' 00" N 14° 05' 00" W	23 m
(see also: Koukany, Koumkandé)				
Koupé, Mount (see Mount Kupé)	Cameroon			
Koupélogo province	Burkina Faso			
Kouroussa	Guinea		10° 39' 00" N 9° 53' 00" W	362 m
(see also: Kurussa)				
Kouroussa prefecture	Guinea			
Kouroussa, near	Guinea	ca.	10° 39' 00" N 9° 53' 00" W	
Kourritenga province	Burkina Faso			

Kourwéogo province	Burkina Faso			
Kousri (see Kousséri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
Kousséri	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
(see also: Fort Fureau, Fort-Foureau, Kousri, Koussri, Kusseri)				
Kousséri, 7 mi [=11 km] WNW (see Kalamaloué, réserve forestière et de chasse)	Cameroon		12° 08' 00" N 14° 54' 00" E	
Koussri (see Kousséri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
Koutaba	Cameroon		5° 42' 00" N 10° 49' 00" E	1113 m
Koutang (see Koutango)	Senegal		13° 40' 00" N 16° 05' 00" W	20 m
Koutango	Senegal		13° 40' 00" N 16° 05' 00" W	20 m
(see also: Koutang, Kutang)				
Koutoukpa (see Agomé Koutoukpa)	Togo		7° 31' 00" N 0° 59' 00" E	458 m
Koutoura, 5 km SW	Burkina Faso		10° 19' 00" N 4° 53' 00" W	ca. 300 m
Kovu	Kenya		1° 00' 00" N 36° 00' 00" E	
Kowie (see Port Alfred)	South Africa		33° 36' 00" S 26° 54' 00" E	30 m
Koya (see Coyah)	Guinea		9° 42' 20" N 13° 22' 37" W	95 m
Koza	Cameroon		10° 52' 08" N 13° 52' 51" E	485 m
Kpakobo (see Pacobo)	Côte d'Ivoire		6° 10' 03" N 4° 56' 14" W	75 m
Kpalimé	Togo		7° 05' 00" N 0° 45' 00" E	
(see also: Agomé-Palimé, Palimé)				
Kpandemai Mountains (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Kpando	Ghana		7° 00' 00" N 0° 18' 00" E	151 m
Kpandu	Ghana		7° 00' 00" N 0° 18' 00" E	151 m
(see also: Gabi, Kpaudu, Tsakpe)				
Kpatwee Falls, about 12 km NW Cuttington Univeristy College	Liberia		7° 06' 27" N 9° 38' 30" W	
(see also: Cuttington University College, about 12 km NW)				
Kpaudu (see Kpandu)	Ghana		7° 00' 00" N 0° 18' 00" E	151 m
Kpawalazu (see Kpawolozu)	Liberia		7° 36' 56" N 9° 45' 52" W	453 m
Kpawolozu	Liberia		7° 36' 56" N 9° 45' 52" W	453 m
(see also: Kpawalazu, Kpawuluzu, Movodo, Pawalozo)				
Kpawuluzu (see Kpawolozu)	Liberia		7° 36' 56" N 9° 45' 52" W	453 m
Kpeaplay (see Quiapiple), Kran, west Upper Cess River	Liberia		6° 36' 12" N 8° 32' 25" W	189 m
Kpeaple (see Quiapiple), Kran, west Upper Cess River	Liberia		6° 36' 12" N 8° 32' 25" W	189 m
Kpeve	Ghana		6° 41' 00" N 0° 20' 00" E	188 m
(see also: Kpeve Gbohome, Kpeve Gboyeme)				
Kpeve Gbohome (see Kpeve)	Ghana		6° 41' 00" N 0° 20' 00" E	188 m
Kpeve Gboyeme (see Kpeve)	Ghana		6° 41' 00" N 0° 20' 00" E	188 m
Kpla (see Grand-Popo)	Benin		6° 19' 00" N 1° 57' 00" E	63 m
Kpodave	Benin		6° 49' 00" N 1° 46' 00" E	
Kpogan	Togo		6° 10' 22" N 1° 22' 57" E	66 m
(see also: Pogan)				
Kpoka	Central African Republic	ca.	3° 50' 00" N 17° 18' 00" E	
Kraaibosch, Farm 55JT (see Farm Kraaibosch 55JT)	South Africa		25° 10' 13" S 30° 12' 07" E	1784 m
Krabbefontein, Soutpansberg	South Africa	ca.	23° 03' 00" S 29° 54' 00" E	
(see also: Kabbefontein)				
Krachi (see Kete Krachi)	Ghana		7° 48' 00" N 0° 01' 00" W	83 m
Kranskloof Nature Reserve (see Krantzkloof Nature Reserve), Durban, Kloof	South Africa		29° 46' 00" S 30° 50' 00" E	434 m
Kranskop, 10 mi W Hartebeespoort dam	South Africa		25° 45' 00" S 27° 51' 00" E	
(see also: Hartebeespoort dam, 10 mi [=16 km] W)				
Kranskop, 32.5 km N, 12 km E (see Speedwell Mines)	South Africa		28° 40' 00" S 30° 59' 00" E	950 m
Kranskop, Farm 392 (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Krantzkloof Nature Reserve	South Africa		29° 46' 00" S 30° 50' 00" E	434 m
(see also: Kranskloof Nature Reserve, Kranzkloof Nature Reserve)				
Kranzkloof Nature Reserve (see Krantzkloof Nature Reserve)	South Africa		29° 46' 00" S 30° 50' 00" E	434 m
Krete Kratschi (see Kete Krachi)	Ghana		7° 48' 00" N 0° 01' 00" W	83 m
Kribi	Cameroon		2° 57' 00" N 9° 55' 00" E	13 m
(see also: Kiribi)				
Kribi, 14 km N	Cameroon		3° 04' 00" N 9° 54' 00" E	
(see also: Kiribi, 14 km N)				
Kribi, 4 km E	Cameroon		2° 57' 00" N 9° 57' 00" E	
(see also: Kiribi, 4 km E)				
Kribi, 7 km E	Cameroon		2° 57' 00" N 9° 58' 00" E	
(see also: Kiribi, 7 km E)				
Kribi, 7 mi [=11.3 km] N	Cameroon		2° 55' 00" N 9° 55' 00" E	
(see also: Kiribi, 7 mi [=11.3 km] N)				
Kribi, 8 km SE	Cameroon		2° 56' 00" N 9° 56' 00" E	

Kribi, 9 km N	Cameroon		3° 01' 00" N 9° 54' 00" E	
(see also: Kiribi, 9 km N)				
Kribi, 9 km W	Cameroon		2° 57' 00" N 9° 49' 00" E	
(see also: Kiribi, 9 km W)				
Kriel cave (see Kriel Farm), 5 - 6 mi N-NE Lusaka	Zambia	ca.	15° 19' 11" S 28° 19' 55" E	
Kriel Farm, 5 - 6 mi N-NE Lusaka	Zambia	ca.	15° 19' 11" S 28° 19' 55" E	
(see also: Kriel cave, Kriel Ranch, Lusaka, 5 - 6 mi [=8 - 10 km] N-NE, Ngiverone Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E, Ngwerere Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E)				
Kriel Ranch (see Kriel Farm), 5 - 6 mi N-NE Lusaka	Zambia	ca.	15° 19' 11" S 28° 19' 55" E	
Kriess/White Rand	Namibia		25° 02' 00" S 18° 13' 01" E	
Krobo, mountain	Ghana		6° 04' 59" N 0° 03' 00" E	
(see also: Mount Krobo)				
Krokodil river	South Africa		24° 30' 00" S 27° 15' 00" E	
Krokodilburg	South Africa		25° 21' 00" S 31° 54' 00" E	
(see also: Crocodile Bridge Rest Camp)				
Krokosua Hills Forest Reserve, near Mmem village	Ghana	ca.	6° 37' 00" N 2° 51' 00" W	
Kromdraai Gold Mine	South Africa		26° 00' 21" S 27° 46' 06" E	3305 m
Kroonstad, 20 mi [=32 km] E (see Lehmkuhlsrust)	South Africa		27° 39' 00" S 27° 33' 00" E	1400 m
Kroumiria (see Kroumirie mountains)	Tunisia	ca.	36° 35' 00" N 8° 25' 00" E	
Kroumirie mountains	Tunisia	ca.	36° 35' 00" N 8° 25' 00" E	
(see also: Khroumirie, Kroumiria, Kroumirii Highlands)				
Kroumirii Highlands (see Kroumirie mountains)	Tunisia	ca.	36° 35' 00" N 8° 25' 00" E	
Kruger Gate bridge, 12 km W Skukuza	South Africa		24° 58' 48" S 31° 29' 00" E	
(see also: Skukuza, 12 km W)				
Kruger National Park (Limpopo province)	South Africa		22° 26' 00" S 31° 11' 00" E	
Kruger National Park (Mpumalanga province)	South Africa		25° 03' 38" S 31° 19' 19" E	
Krugersdorp	South Africa		26° 06' 00" S 27° 46' 00" E	1712 m
(see also: Mogale City)				
Krugersdorp, 19 km NW (see Sterkfontein caves)	South Africa		26° 01' 00" S 27° 44' 00" E	1600 m
Krugersdorp, 20 mi [=32 km] NNE (see Farm Gladysvale)	South Africa		25° 54' 00" S 27° 46' 00" E	1527 m
Ksar el Abadla (see Natron See)	Algeria		31° 01' 00" N 2° 44' 00" W	588 m
Ksar es Souk prefecture (see Errachidia prefecture)	Morocco			
Ksar Tamtettouchet (see Tamtetoucht)	Morocco		31° 40' 12" N 5° 31' 48" W	2247 m
Ksar-es-Suk prefecture (see Errachidia prefecture)	Morocco			
Ksi (see Kumasi)	Ghana		6° 41' 00" N 1° 37' 00" W	246 m
Ksi Forest Reserve (see Kumasi area)	Ghana	ca.	6° 40' 00" N 1° 36' 00" W	
(see also: Ksi Forest Reserve, Town 5 km from)				
Ksi Forest Reserve, Town 5 km from (see Ksi Forest Reserve)	Ghana	ca.	6° 40' 00" N 1° 36' 00" W	
Ksi, 17 mi [=27 km] from (see Ankasi)	Ghana		6° 39' 00" N 1° 22' 00" W	217 m
Ksi, 58 km from (see Bodomasi)	Ghana		6° 53' 37" N 1° 15' 19" W	369 m
Kua ruins	Tanzania		8° 00' 16" S 39° 46' 00" E	
Kuando Kubango province	Angola			
(see also: Cuando Cubango province |PC:CC|)				
Kuango	Congo (Democratic Republic of the)		4° 45' 00" S 13° 36' 00" E	
Kubango (see Kuvango)	Angola		14° 28' 00" S 16° 18' 00" E	1448 m
Kube Yini Private Game Reserve	South Africa		27° 48' 31" S 32° 13' 35" E	
Kubondo	Kubondo			
Kubub	Kubub			
Kububе Hide	South Africa		27° 37' 30" S 32° 14' 13" E	
Kubuta	Swaziland		26° 52' 48" S 31° 28' 12" E	508 m
Kudang	The Gambia		13° 40' 00" N 15° 04' 00" W	13 m
Kudu	Nigeria		9° 16' 00" N 5° 21' 00" E	139 m
Kudus Vlei Farm (see Farm Kudus Vlei)	South Africa		23° 03' 14" S 29° 29' 14" E	956 m
Kuduskop (see Koedoeskop Game Ranch)	South Africa		32° 59' 00" S 25° 11' 15" E	
Kudzwe dam	Zimbabwe		16° 47' 00" S 32° 31' 00" E	
Kudzwe river, near	Zimbabwe		16° 47' 00" S 32° 31' 00" E	
Kuf National Park, 5 km SW Al Bayda	Libya		32° 18' 00" N 20° 25' 00" E	
(see also: Al Bayda, 5 km SW, Cuf National Park, Kouf National Park)				
Kuf National Park lodge, 3 km S	Libya		32° 41' 00" N 21° 34' 00" E	
(see also: Kouf Park lodge, 3 km S)				
Kuf, Wadi al (see Wadi al Kuf)	Libya		32° 42' 00" N 21° 35' 00" E	330 m
Kufanta, Roman aquaduct	Libya		32° 46' 00" N 21° 34' 00" E	
KufraPC:KU|)	Libya			
Kugulwira	Tanzania		6° 48' 00" S 37° 40' 00" E	
KuHlange (see Kosi Lake)	South Africa		26° 58' 00" S 32° 50' 00" E	
Kuibis (farmstead)	Namibia		26° 41' 00" S 16° 52' 00" E	
Kuili	Congo (Democratic Republic of the)		4° 24' 00" S 17° 42' 00" E	
(see also: Kuili Ngongo)				
Kuili Ngongo (see Kuili)	Congo (Democratic Republic of the)		4° 24' 00" S 17° 42' 00" E	
(see also: Kiulu Mgemgo)				

Kuiseb River, Gobabeb	Namibia		23° 22' 00" S 15° 40' 00" E	
Kujungu	Tanzania		5° 14' 56" S 37° 06' 01" E	
(see also: Kondoa, 100 mi [=160 km] E)				
Kuke pan	Botswana		23° 19' 00" S 24° 27' 00" E	1000 m
(see also: Kuki)				
Kuki (see Kuke pan)	Botswana		23° 19' 00" S 24° 27' 00" E	1000 m
Kular (see Koular)	Senegal		13° 41' 00" N 16° 11' 00" W	2 m
Kuleponge (see Kulepongi)	Congo (Democratic Republic of the)		3° 22' 00" N 25° 41' 00" E	604 m
Kulepongi	Congo (Democratic Republic of the)		3° 22' 00" N 25° 41' 00" E	604 m
(see also: Kuleponge, Kulepongo)				
Kulepongo (see Kulepongi)	Congo (Democratic Republic of the)		3° 22' 00" N 25° 41' 00" E	604 m
Kulfo river, Nechisar National Park	Ethiopia			
Kulfo river, Nechisar National Park	Ethiopia		5° 20' 00" N 37° 35' 00" E	
Kul's (see Zoulabot II)	Cameroon		2° 54' 00" N 13° 53' 00" E	517 m
Kulumusi caves (see Kulumuzi caves)	Tanzania		5° 04' 00" S 39° 06' 00" E	
(see also: Kulumuzi caves)				
Kulumuzi caves	Tanzania		5° 04' 00" S 39° 06' 00" E	
(see also: Kulumusi caves, Mkulumsi)				
Kulumuzi caves (see Kulumusi caves)	Tanzania		5° 04' 00" S 39° 06' 00" E	
Kum (see Koum)	Cameroon		8° 23' 00" N 14° 31' 00" E	358 m
Kum Ombu (see Kawn Umbu)	Egypt		24° 28' 45" N 32° 56' 37" E	109 m
Kumasi	Ghana		6° 41' 00" N 1° 37' 00" W	246 m
(see also: Ksi)				
Kumasi Agricultural Station (see Kumasi, UST Agricultural Farm)	Ghana		6° 45' 00" N 1° 34' 00" W	246 m
Kumasi area	Ghana	ca.	6° 40' 00" N 1° 36' 00" W	
(see also: Ksi Forest Reserve, Kusasi area)				
Kumasi University	Ghana		6° 41' 00" N 1° 37' 00" W	246 m
Kumasi, 17 mi [=27 km] from (see Ankasi)	Ghana		6° 39' 00" N 1° 22' 00" W	217 m
Kumasi, 17 mi [=27.4 km] from, Lakeside	Ghana		6° 45' 00" N 1° 35' 00" W	
Kumasi, 38 mi [=61 km] NE (see Akrochire)	Ghana		6° 56' 00" N 1° 20' 00" W	282 m
Kumasi, 60 mi [=90 km] W (see Bibianaha), Inland from Denkwa	Ghana		6° 28' 00" N 2° 20' 00" W	720 ft
Kumasi, near	Ghana	ca.	6° 40' 00" N 1° 35' 00" W	
Kumasi, UST Agricultural Farm	Ghana		6° 45' 00" N 1° 34' 00" W	246 m
(see also: Kumasi Agricultural Station)				
Kumasi-Dunkwa road	Ghana		6° 40' 00" N 1° 35' 00" W	
Kumasinga Pan (see Msinga Hide)	South Africa		27° 47' 00" S 32° 12' 00" E	
Kumawu	Ghana		6° 54' 00" N 1° 17' 00" W	439 m
Kumba	Cameroon		4° 38' 38" N 9° 26' 19" E	257 m
Kumba	Cameroon			
(see also: Khmba)				
Kumba division (see Meme division)	Cameroon		4° 50' 00" N 9° 20' 00" E	
Kumba, 15 km S	Cameroon		4° 39' 00" N 9° 26' 00" E	
Kumba, 19 km S	Cameroon		4° 38' 00" N 9° 25' 00" E	
Kumba, 35 km W, 4 km N (see Ongoo)	Cameroon		4° 39' 00" N 9° 25' 00" E	
Kumba, 4 mi [=6.4 km] S (see Baromb Kang)	Cameroon		4° 39' 00" N 9° 25' 00" E	549 m
Kumba, 5 mi [=8 km] SE (see Mukonje)	Cameroon		4° 36' 00" N 9° 30' 00" E	250 m
Kumba, 6 km S (see Baromb Kang)	Cameroon		4° 39' 00" N 9° 25' 00" E	549 m
Kumbi	Congo (Democratic Republic of the)			
Kumbia (see Koumbia)	Burkina Faso		11° 14' 00" N 3° 42' 00" W	317 m
Kumi	Congo (Democratic Republic of the)		4° 31' 48" S 26° 33' 00" E	
Kumi district	Uganda			
Kumsinga Hide, 15 km E Mkuzi village	South Africa		27° 37' 43" S 32° 14' 09" E	94 m
Kunda, near Owando	Congo		0° 25' 00" S 15° 45' 00" E	
Kundelungu National Park	Congo (Democratic Republic of the)	ca.	10° 30' 00" S 27° 30' 00" E	
(see also: Park National de Kundelungo)				
Kundja (see Koundja)	Cameroon		5° 37' 00" N 10° 45' 00" E	
Kunene region	Namibia			
Kunene River (see Cunene River)	Namibia	ca.	17° 15' 00" S 11° 45' 00" E	
Kunga (see Fazenda Cunga)	Angola		9° 15' 00" S 13° 44' 00" E	46 m
Kunguë Hill summit, 0.5 km NW (see Nkungwe Hill summit, 0.5 km NW)	Tanzania		6° 06' 16" S 29° 46' 44" E	2100 m
Kungupuri (Bekat) Stream	South Sudan		3° 52' 47" N 31° 38' 42" E	931 m
Kungwe Hille summit, 0.5 km NW (see Nkungwe Hill summit, 0.5 km NW)	Tanzania		6° 06' 16" S 29° 46' 44" E	
Kunjuruma	Ghana			
Kunkuru, Farm (see Farm Kunkuru), Warmbaths	South Africa		27° 53' 00" S 27° 49' 00" E	
Kuntaur	The Gambia		13° 40' 00" N 14° 53' 00" W	0 m
(see also: Kontaur)				
Kuntaur, 10 mi [=16 km] SE	The Gambia		13° 37' 00" N 14° 54' 00" W	
(see also: Kuntaur, 10 mi SE)				

Kuntaur, 10 mi SE (see Kuntaur, 10 mi [=16 km] SE)	The Gambia		13° 37' 00" N 14° 54' 00" W	
Kuntaur, 2 mi [=3.2 km] N (see Makka)	The Gambia		13° 42' 00" N 14° 53' 00" W	11 m
Kuntaur, 5 mi [=8 km] N	The Gambia		13° 37' 00" N 14° 54' 00" W	
Kunumara Conference Center, 20 km N Mombasa (see also: Mombasa, 20 km N)	Kenya		3° 52' 09" S 39° 40' 00" E	
Kunungu	Congo (Democratic Republic of the)		2° 06' 00" S 16° 26' 00" E	
Kunyale stream	Zambia			
Kupe (see Mount Koupé)	Cameroon		4° 48' 05" N 9° 42' 29" E	
Kupé, Mount (see Mount Koupé)	Cameroon		4° 48' 05" N 9° 42' 29" E	
Kurasini area, Dar-es-Salaam	Tanzania		6° 50' 00" S 39° 17' 00" E	
Kurkurah (see also: Carcura, Drepanun, Karkurah, Karkurah)	Libya		31° 25' 35" N 20° 01' 40" E	18 m
Kuruman, Municipal Bird Sanctuary	South Africa		27° 26' 41" S 23° 25' 31" E	1314 m
Kuruman	South Africa		27° 27' 00" S 23° 25' 00" E	
Kuruman	South Africa		27° 27' 00" S 23° 26' 00" E	1327 m
Kuruman, 11 km SW (see Farm Woodstock)	South Africa		27° 34' 00" S 23° 24' 00" E	
Kuruman, 3 mi [=4.8 km] E	South Africa	ca.	27° 27' 00" S 23° 26' 00" E	
Kuruman, 40 km NW (see Farm Marthavale)	South Africa		27° 20' 00" S 23° 04' 00" E	
Kuruman, 58 km S (see Wonderwerk Cave)	South Africa		27° 49' 00" S 23° 35' 00" E	
Kurunxaraga, Cement Camp	Botswana		19° 37' 30" S 22° 52' 30" E	
Kurusku (see also: Korosko)	Egypt		24° 31' 00" N 33° 09' 00" E	119 m
Kurussa (see Kouroussa)	Guinea		10° 39' 00" N 9° 53' 00" W	362 m
Kusasi area (see Kumasi area)	Ghana	ca.	6° 40' 00" N 1° 36' 00" W	
KusinPC:PS|)	Tanzania			
KusinPC:ZS|)	Tanzania			
Kusseri (see Kousséri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
Kusti (see also: Costi, Kosti)	Sudan		13° 10' 00" N 32° 40' 00" E	380 m
Kutang (see Koutango)	Senegal		13° 40' 00" N 16° 05' 00" W	20 m
Kutanga Hippo V. Estates	Zimbabwe		21° 07' 30" S 31° 37' 30" E	
Kuuni, 48 km (see Mpesetia)	Ghana		6° 39' 00" N 1° 51' 00" W	226 m
Kuuni, 48 mi [=77 km] from (see Mpesetia), 48 mi [=77 km] from Kumasi	Ghana		6° 39' 00" N 1° 51' 00" W	226 m
Kuuni, 77 km (see Mpesetia)	Ghana		6° 39' 00" N 1° 51' 00" W	226 m
Kuvango (see also: Artur de Paiva, Capelongo (1), Cubango, Missao de, Cubango, Missao de, Kubango, Kuvangu Mission, Vila Artur de Paiva, Vila da Ponte)	Angola		14° 28' 00" S 16° 18' 00" E	1448 m
Kuvangu Mission (see Kuvango)	Angola		14° 28' 00" S 16° 18' 00" E	1448 m
Kwa Kitoto and Mengo	Kwa Kitoto and Mengo			
Kwa Mtoro, Kilimatinde, Singida	Tanzania		5° 14' 00" S 35° 26' 00" E	1214 m
Kwa River	Nigeria			
Kwaai River	Botswana		19° 10' 00" S 23° 30' 00" E	
Kwabaniani caves	Tanzania		6° 09' 37" S 39° 20' 56" E	25 m
Kwabenya, Legon, near Accra	Ghana		5° 41' 18" N 0° 14' 43" W	88 m
Kwade (see Kouandé)	Benin		6° 24' 00" N 2° 04' 00" E	66 m
Kwahu mountains	Ghana	ca.	6° 40' 00" N 0° 40' 00" W	
Kwai	Botswana		19° 32' 00" S 23° 51' 00" E	
Kwalala Police Post	South Africa		22° 25' 14" S 31° 17' 55" E	
Kwale	Kenya		4° 11' 00" S 39° 27' 00" E	303 m
Kwale county	Kenya			
Kwale district	Kenya	ca.	4° 11' 00" S 39° 27' 00" E	
Kwale, 12 km S, 11 mi W	Kenya		4° 17' 00" S 39° 21' 00" E	
Kwale, 5 km SE (see Kivumoni Forest)	Kenya		4° 13' 00" S 39° 29' 00" E	
Kwale, 7 km S, 8 km W	Kenya	ca.	4° 11' 00" S 39° 27' 00" E	
Kwaluseni	Swaziland		26° 29' 00" S 31° 20' 00" E	723 m
Kwama Kwama cave (see also: Grotte de Kwama Kwama, Kwama Kwama grot)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1200 m
Kwama Kwama grot (see Kwama Kwama cave)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1200 m
KwaMakuta Township	South Africa		30° 03' 00" S 30° 53' 00" E	
Kwambumi Forest Reserve, 4.4 km W Mt Mhinduro, 2 km S Kwamtili Estate Offices (see also: Kwamtili Estate Offices, 2 km S, Mount Mhinduro, 4.4 km W)	Tanzania		4° 56' 30" S 38° 43' 48" E	230 m
Kwamgumi Forest Reserve, East Usambara mountains (see also: Kwamguni Forest Reserve, Kwamtili Forest Reserve)	Tanzania		4° 56' 00" S 38° 45' 00" E	150 m
Kwamguni Forest Reserve (see Kwamgumi Forest Reserve)	Tanzania		4° 56' 00" S 38° 45' 00" E	150 m

Kwamkoro [Forest Reserve] (see Kwamkoro-Kwamsambia Forest Reserve)	Tanzania		5° 10' 00" S 38° 36' 00" E	590 m
Kwamkoro-Kwamsambia Forest Reserve, Nenguruwe River (see also: Kwamkoro [Forest Reserve])	Tanzania		5° 10' 00" S 38° 36' 00" E	590 m
Kwamouth	Congo (Democratic Republic of the)		3° 10' 00" S 16° 12' 00" E	146 m
Kwamtili Estate Offices, 2 km S (see Kwambumi Forest Reserve)	Tanzania		4° 56' 30" S 38° 43' 48" E	230 m
Kwamtili Forest Reserve (see Kwamgumi Forest Reserve)	Tanzania		4° 56' 00" S 38° 45' 00" E	150 m
Kwande (see Kouandé)	Benin		6° 24' 00" N 2° 04' 00" E	66 m
Kwango	Congo (Democratic Republic of the)		6° 28' 14" S 17° 26' 55" E	1020 m
Kwango province	Congo (Democratic Republic of the)	ca.	6° 30' 00" S 17° 46' 00" E	
Kwanza-Norte province (see also: Cuanza Norte province |PC:CN|)	Angola			
Kwanza-Sul province (see also: Cuanza Sul province |PC:CS|)	Angola			
Kwara Reserve (NG/20)	Botswana		18° 55' 37" S 23° 19' 56" E	
Kwara state	Nigeria			
Kware, 12 mi [=19 km] N Sokoto (see also: Sokoto, 12 mi [=19 km] N)	Nigeria		13° 13' 05" N 5° 16' 02" E	268 m
KwaSheleni, near Lake St. Lucia	South Africa		28° 10' 44" S 32° 31' 15" E	40 m
KwaZulu-Natal province	South Africa			
Kwebe Hills, 18 mi [=29km] NW	Botswana		20° 16' 01" S 22° 52' 01" E	
Kween district	Uganda			
Kwena (see Farm Badfontein 114JT)	South Africa		25° 17' 30" S 30° 23' 16" E	
Kweneng district	Botswana			
Kwepe (see Kwepe) (see also: Botsoela (mission), Kwepe)	Lesotho		29° 51' 00" S 27° 34' 00" E	1847 m
Kwi-Habe Hills	Botswana			
Kwilu province	Congo (Democratic Republic of the)			
Kwitta (see Keta)	Ghana		5° 55' 00" N 0° 59' 00" E	48 m
Kwitunji Camp	Malawi		14° 12' 11" S 35° 22' 32" E	
Kwogofe, colline, Kibira National Park, Ndora Zone (see also: Colline Kwogofe)	Burundi		2° 50' 00" S 29° 25' 00" E	
Kya irtumbi (see Mutwanga)	Congo (Democratic Republic of the)		0° 20' 00" N 29° 45' 00" E	1338 m
Kyabé (see also: Kiyabé, Kiyabi)	Chad		9° 27' 00" N 18° 57' 00" E	366 m
Kyabe (see Kijabe)	Kenya		0° 56' 00" S 36° 34' 00" E	2049 m
Kyabe Station (see Kijabe Station)	Kenya		0° 55' 00" S 36° 35' 00" E	
Kyagwe county	Uganda		0° 25' 00" N 32° 50' 00" E	
Kyalami Kennels, Randburg	South Africa		25° 52' 30" S 28° 07' 30" E	
Kyamakonde Cave, near Lubudi	Congo (Democratic Republic of the)	ca.	9° 56' 00" S 25° 58' 00" E	
Kyamunyu (see also: Kyamunyuu, Kyamuyu)	Kenya		1° 39' 28" S 37° 18' 21" E	
Kyamunyuu (see Kyamunyu)	Kenya		1° 39' 28" S 37° 18' 21" E	
Kyamuyu (see Kyamunyu)	Kenya		1° 39' 28" S 37° 18' 21" E	
Kyanbym	Kenya			
Kyangili (see Kyangili Dam)	Kenya		1° 40' 00" S 37° 18' 00" E	
Kyangili Dam (see also: Kyangili)	Kenya		1° 40' 00" S 37° 18' 00" E	
Kyanguli	Kenya		0° 48' 39" S 38° 23' 02" E	
Kyanguli (hill)	Kenya		0° 48' 39" S 38° 23' 02" E	
Kyanguli area	Kenya	ca.	0° 48' 39" S 38° 23' 02" E	
Kyankwanzi district	Uganda			
Kyantapo cave, 30 km SW Lubudi (see also: Grotte de Kyantapo, Kiantapo cave, Kyantapo grot, Lubudi, 30 km SW)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1525 m
Kyantapo grot (see Kyantapo cave), 30 km SW Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1525 m
Kyasala cave (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Kyasala grande grotte (see Kiasala cave)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Kyasala grot (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Kyavinionge (see also: Kiavinionge)	Congo (Democratic Republic of the)		0° 07' 00" S 26° 36' 00" E	935 m
Kyegegwa district	Uganda			
Kyengole	Kenya			
Kyengole Rocks	Kenya			
Kyenjojo district	Uganda			

Kyle Dam Forest Reserve (see Kyle National Park)	Zimbabwe		20° 11' 00" S 31° 01' 00" E	
Kyle Dam Game Reserve (see Kyle National Park)	Zimbabwe		20° 11' 00" S 31° 01' 00" E	
Kyle Dam National Park (see Kyle National Park)	Zimbabwe		20° 11' 00" S 31° 01' 00" E	
Kyle Game Reserve (see Kyle National Park)	Zimbabwe		20° 11' 00" S 31° 01' 00" E	
Kyle National Park (see also: Kyle Dam Forest Reserve, Kyle Dam Game Reserve, Kyle Dam National Park, Kyle Game Reserve)	Zimbabwe		20° 11' 00" S 31° 01' 00" E	
Kyma Kyma	Madagascar			
Kyniamahura	Congo (Democratic Republic of the)			
L.T.C. (see Liberian Timber Company)	Liberia		6° 16' 00" N 8° 40' 00" W	
L'Étang-Salé (see Étang Salé)	Réunion		21° 15' 00" S 55° 23' 00" E	20 m
l'extérieur de l'Áfrique méridionale	South Africa			
La Chiffa (see Gorges de la Chiffa)	Algeria		36° 24' 00" N 2° 46' 00" E	
La Concepcion (see Ciudad de Riaba)	Equatorial Guinea		3° 22' 58" N 8° 45' 44" E	104 m
La Conception (see Ciudad de Riaba)	Equatorial Guinea		3° 22' 58" N 8° 45' 44" E	104 m
La Convalescence (see also: Convalescence)	Comoro Islands		11° 45' 18" S 43° 19' 11" E	1787 m
La Convalescence, on trail to	Comoro Islands	ca.	11° 45' 18" S 43° 19' 11" E	630 m
La Coulée	Comoro Islands		11° 41' 00" S 43° 15' 00" E	
La Cuancha, island	Canary Islands (Spain)			
La Digue Island	Seychelle Islands		4° 21' 00" S 55° 50' 00" E	
La Galite, island, Galita Archipelago (see also: Galita Island, Île de La Galite, Île Galite, Isola Galite, Jalta Island, Jazirat Jalitah, Zalite)	Tunisia		37° 31' 34" N 8° 55' 44" E	
La Gomera, island	Canary Islands (Spain)			
La Grille	Comoro Islands		11° 27' 00" S 43° 20' 00" E	844 m
La Kolenté (see Kolenté)	Guinea		10° 06' 00" N 12° 37' 00" W	148 m
La Landjia (see Landjia)	Central African Republic		4° 22' 00" N 18° 39' 00" E	
La Lucia	South Africa		29° 44' 57" S 31° 03' 35" E	
La Maboké	Central African Republic		3° 49' 55" N 17° 50' 45" E	
La Maboké area	Central African Republic	ca.	3° 49' 55" N 17° 50' 45" E	
La Mé (Massan) region	Côte d'Ivoire			
La Montagne, 280 Rotsvygie Street	South Africa		25° 44' 55" S 28° 19' 23" E	
La Mouila (see Mouila)	Gabon		1° 52' 00" S 11° 01' 00" E	156 m
La Palma	Canary Islands (Spain)		28° 40' 00" N 17° 50' 00" W	
La Possession, 2.2 km SSW (see Pont de Balthazar)	Réunion		20° 56' 44" S 55° 19' 51" E	40 m
La Rochelle, Farm 506 (see Smithfield), Smithfield	South Africa		30° 13' 00" S 26° 32' 00" E	
La Ronde (see Round island)	Mauritius		19° 50' 53" S 57° 46' 51" E	
La Saline-les Bains, 3.2 km SSE (see Ravine des Trois Bassins)	Réunion		21° 06' 36" S 55° 14' 34" E	10 m
La Salle (see Bata)	Equatorial Guinea		1° 51' 00" N 9° 45' 00" E	
La Sounda (see Sounda)	Congo		4° 05' 00" S 12° 08' 00" E	36 m
La Tafna Fleuve (see Tafna, oued)	Algeria	ca.	35° 17' 52" N 1° 28' 16" W	
La Tapoa (see also: Tapoa)	Niger		12° 29' 31" N 2° 21' 36" E	225 m
La Tapoa, 1 km N (see also: Tapoa, 1 km N)	Niger		12° 29' 31" N 2° 21' 36" E	
La Tapoa, 2 km E (see also: Tapoa, 2 km E)	Niger		12° 36' 00" N 2° 29' 00" E	
La Tapoa, 21 km E (see also: Tapoa, 21 km E)	Niger		12° 30' 00" N 2° 33' 00" E	
La Tapoa, 21 km S (see also: Tapoa, 21 km S)	Niger	ca.	12° 11' 00" N 2° 20' 00" E	
La Tapoa, 28 km S (see also: Tapoa, 28 km S)	Niger	ca.	12° 10' 54" N 2° 20' 05" E	
La Tapoa, 29 km S (see also: Tapoa, 29 km S)	Niger	ca.	12° 10' 54" N 2° 20' 05" E	
La Tévelave, above (see also: Tévelave, above)	Réunion	ca.	21° 09' 47" S 55° 23' 39" E	
Laachaich, 8 km from Chefchaouen (see also: Chefchaouen, 8 km from)	Morocco		35° 10' 00" N 5° 16' 00" W	
Laâyoune - Boujdour -Sakia El Hamra (former) region	Morocco			
Laâyoune prefecture	Morocco			
Laâyoune-Sakia al Hamra region	Morocco			
Labdah (see Leptis Magna)	Libya		32° 37' 49" N 14° 18' 43" E	
Labé prefecture	Guinea			
Labé, 19 km N (see Kallendu)	Guinea		11° 25' 55" N 12° 35' 38" W	950 m

Labibela (see Lalibela)	Ethiopia		12° 02' 00" N 39° 02' 00" E	2427 m
Labo Irsac (see Luiro)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	5400 ft
Labraq, 5 km SW	Libya		32° 45' 00" N 21° 58' 00" E	
Lac Afenourir (see Afnourir, lake)	Morocco		33° 17' 00" N 5° 15' 00" W	
Lac Afnourir (see Afnourir, lake)	Morocco		33° 17' 00" N 5° 15' 00" W	
Lac Alaotra, near (see Farihy Alaotra (lake), near)	Madagascar	ca.	17° 27' 55" S 48° 31' 30" E	
Lac Albert (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Lac Anengé (see Lake Anengué)	Gabon		1° 08' 29" S 9° 29' 29" E	
Lac Anengué (see Lake Anengué)	Gabon		1° 08' 29" S 9° 29' 29" E	
Lac Avengé (see Lake Anengué)	Gabon		1° 08' 29" S 9° 29' 29" E	
Lac Bini (see Bini, Lake)	Cameroon		7° 26' 00" N 13° 33' 00" E	
Lac Calundo (see Calundo, Lake)	Angola		11° 43' 00" S 20° 48' 00" E	1150 m
Lac Cohoha (see Cohoha, lake)	Burundi		2° 30' 00" S 30° 07' 00" E	
Lac de Léré (see Léré, Lac de)	Chad		9° 37' 00" N 14° 09' 57" E	
Lac Edouard (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Lac Fwa (see Fwa, lake)	Congo (Democratic Republic of the)		5° 43' 00" S 23° 25' 00" E	
Lac Idi Amine (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Lac Ihema (see Ihema, lake)	Rwanda		1° 52' 12" S 30° 46' 45" E	
Lac Kivu (see Lake Kivu)	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 28° 55' 00" E	
Lac Lallie (see Lallie, Lake)	Côte d'Ivoire		5° 20' 00" N 4° 00' 00" W	
Lac Léopold II (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)		2° 05' 05" S 18° 20' 21" E	
Lac Lotry (see Lotry, Lake)	Madagascar			
Lac Mamoudé (see Ma?moûdé, lake)	Mauritania		16° 22' 01" N 7° 41' 45" W	
Lac Maréotis (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	
Lac Marion (see Marion, lake)	Congo (Democratic Republic of the)			
Lac Mihindi (see Mihindi, lake)	Rwanda		1° 32' 00" S 30° 42' 00" E	
Lac Moero (see Moero, lake)	Congo (Democratic Republic of the)		9° 00' 00" S 28° 45' 00" E	
Lac Mugunga (see Mugunga, lake)	Congo (Democratic Republic of the)		1° 37' 00" S 29° 08' 00" E	1500 m
Lac Ondo (see Ondo, lake)	Congo (Democratic Republic of the)		1° 08' 07" S 29° 19' 21" E	
Lac region	Chad			
Lac Tanganyika, bord Nord-Ouest (see Lake Tanganyika, NW bank)	Congo (Democratic Republic of the)	ca.	3° 20' 00" S 29° 12' 00" E	
Lac Tchad (see Chad, lake)	Lac Tchad	ca.	13° 20' 00" N 14° 10' 00" E	
Lac Tsimanampetsotsa (see Tsimanampetsotsa, lake)	Madagascar		24° 07' 00" S 43° 45' 00" E	
Lac Tsimbazaza (see Tsimbazaza, lake)	Madagascar		18° 55' 00" S 47° 31' 00" E	
Lac Tumba (see Tumba, lake)	Congo (Democratic Republic of the)	ca.	0° 48' 00" S 18° 03' 00" E	
Lac Zedee (see also: Lake Zedee, Zedee lake)	Gabon			
Lacerdónia (see Chupanga), Zambezi River	Mozambique		18° 01' 16" S 35° 33' 51" E	52 m
Lacs (former) region	Côte d'Ivoire			
Lacs district	Côte d'Ivoire			
Lacs prefecture (see Préfecture d'Aného)	Togo		6° 22' 00" N 1° 40' 00" E	
Ladismith, 2.5 km N, 26.0 km W (see Farm Buffel Rivier Poort)	South Africa		33° 27' 56" S 20° 59' 00" E	420 m
Ladismith, 2.5 km S, 12.6 km W (see Farm Zeekoegats Drift)	South Africa		33° 30' 39" S 21° 05' 42" E	380 m
Lado (see also: Jabal Lado, Jebel Nirkenyi, Lado, Jabal, Lado, mount, Mount Lado, Nirkenyi, Jebel)	South Sudan		5° 02' 02" N 31° 41' 07" E	448 m
Lado	Ethiopia		5° 02' 00" N 41° 41' 00" E	
Lado, Jabal (see Lado)	South Sudan		5° 06' 12" N 31° 35' 05" E	
Lado, mount (see Lado)	South Sudan		5° 06' 12" N 31° 35' 05" E	
Lady Grey, Klipkraal	South Africa		30° 42' 00" S 27° 14' 00" E	2091 m
Lady Selborne, Pretoria (see also: Ladyselborne)	South Africa		25° 42' 00" S 28° 08' 00" E	1249 m
Lady Whitehouse (see Kisumu)	Kenya		0° 06' 00" S 34° 45' 00" E	1131 m
Ladybrand, Alpha (see also: Ladybrand Commonage, Ladybrand Town)	South Africa		29° 12' 00" S 27° 27' 00" E	1577 m
Ladybrand Commonage (see Ladybrand), Leliehoek	South Africa		29° 12' 00" S 27° 27' 00" E	1577 m
Ladybrand Town (see Ladybrand)	South Africa		29° 12' 00" S 27° 27' 00" E	1577 m
Ladyselborne (see Lady Selborne), Pretoria	South Africa		25° 42' 00" S 28° 08' 00" E	1249 m
Ladysmith	South Africa		28° 33' 14" S 29° 46' 58" E	
Laer Sabie Ruskamp (see Onder-Sabie)	South Africa		25° 07' 00" S 31° 55' 00" E	

Lafon (see also: Lafoon)	South Sudan		5° 02' 00" N 32° 27' 00" E	604 m
Lafoon (see Lafon)	South Sudan		5° 02' 00" N 32° 27' 00" E	604 m
Lagbar	Senegal		15° 49' 58" N 14° 48' 39" W	50 m
Lagbar, 10 km S	Senegal	ca.	15° 45' 00" N 14° 50' 00" W	
Lagbar, 10 km SE	Senegal	ca.	15° 45' 00" N 14° 45' 00" W	
Laghouat province	Algeria			
Laghouat, oasis	Algeria		33° 49' 00" N 2° 55' 00" E	750 m
Lago Abeita (see Abiyata Hayk')	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
Lago de Biaó, near Moka (see also: Biaó, lake, Lago Moko, Laguna Moka, Lake Biao)	Equatorial Guinea		3° 21' 26" N 8° 37' 32" E	
Lago Dilõlo (see Luacano)	Angola		11° 13' 30" S 21° 39' 43" E	1063 m
Lago Moko (see Lago de Biaó)	Equatorial Guinea		3° 21' 26" N 8° 37' 32" E	
Lago Sciala (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Lago Scialla (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Lagoa de Ura (see Ura, lagoa)	Mozambique		19° 42' 36" S 34° 19' 52" E	
Lagos	Nigeria		6° 27' 11" N 3° 23' 45" E	34 m
Lagos state	Nigeria			
Lagos, 15 mi [=24 km] N (see Agege)	Nigeria		6° 37' 19" N 3° 19' 33" E	41 m
Lagos, 6 mi [=9.7 km] E (see Apapa)	Nigeria		6° 26' 44" N 3° 21' 33" E	34 m
Lagos, University (see Ibadan University College)	Nigeria		7° 23' 16" N 3° 53' 47" E	237 m
Laguna Moka (see Lago de Biaó)	Equatorial Guinea		3° 21' 26" N 8° 37' 32" E	
Lagune d' Iguela (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Lagune Iguéla	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Lagune N'Gove (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Lagune Ngobé (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Lagunes (former) region	Côte d'Ivoire			
Lagunes district	Côte d'Ivoire			
Lahun (see Al Lahun) (see also: El Lisht, El-Lisht)	Egypt		29° 13' 09" N 30° 58' 42" E	5 m
Laï (see also: Behagie, Behagle)	Chad		9° 23' 43" N 16° 17' 56" E	361 m
Lai Lay (see Lailai)	Congo (Democratic Republic of the)		1° 56' 55" S 28° 34' 19" E	1276 m
Laikipia county	Kenya			
Laikipia plateau	Kenya			
Laikipia ranch, 40 mi NW Rumuruti (see also: Rumurati, 64 km NW, Rumuruti, 40 mi [=64 km] NW)	Kenya		0° 16' 00" N 36° 32' 00" E	1829 m
Lailai (see also: Lai Lay)	Congo (Democratic Republic of the)		1° 56' 55" S 28° 34' 19" E	1276 m
Laisiamis (see also: "Laisam id., Isido district")	Kenya		1° 36' 00" N 37° 48' 00" E	568 m
Lajuma (see also: Lajuma bridge, Lajuma Forest Lodge, Lajuma wetland, Lajuma Wilderness Camp)	South Africa		23° 02' 18" S 29° 26' 34" E	1086 m
Lajuma bridge (see Lajuma)	South Africa		23° 02' 18" S 29° 26' 34" E	1168 m
Lajuma Forest Lodge (see Lajuma)	South Africa		23° 02' 18" S 29° 26' 34" E	1086 m
Lajuma Mountain Reserve	South Africa		23° 01' 22" S 29° 15' 52" E	
Lajuma Research Center	South Africa		23° 02' 24" S 29° 26' 24" E	1270 m
Lajuma wetland (see Lajuma)	South Africa		23° 02' 18" S 29° 26' 34" E	1334 m
Lajuma Wilderness Camp (see Lajuma)	South Africa		23° 02' 18" S 29° 26' 34" E	1086 m
Laka-Baney (see Santiago de Baney)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Lake Abiata (see Abiyata Hayk')	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
Lake Abijata (see Abiyata Hayk')	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
Lake Abiyata (see Abiyata Hayk')	Ethiopia	ca.	7° 37' 00" N 38° 36' 00" E	
Lake Abore (see Abore, lake)	Ethiopia		4° 40' 00" N 36° 45' 00" E	
Lake Albert (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Lake Amboseli (see Amboseli, lake)	Kenya			
Lake Anengué (see also: Anengué lake, Lac Anengé, Lac Anengué, Lac Avengé)	Gabon		1° 08' 29" S 9° 29' 29" E	
Lake Awasa (see Awasa Hayk')	Ethiopia		7° 03' 00" N 38° 26' 00" E	
Lake Bangazi, 8 km NNE (see Shore Nature Reserve)	South Africa		27° 22' 30" S 32° 37' 30" E	
Lake Bangazi, 9 km N (see Shore Nature Reserve, NE)	South Africa		27° 22' 00" S 32° 37' 00" E	
Lake Bangue (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Lake Bangwelk (see Lake Bangweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	2000 ft
Lake Bangweolo (see Lake Bangweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	2000 ft
Lake Bangweulu (see also: Bangwelk, Lake, Bangweolo, lake, Bangweulu, lake, Bengweulu, Lake, Lake Bangwelk, Lake Bangweolo, Lake Bengweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	2000 ft
Lake Baringo (see Baringo, lake)	Kenya		0° 38' 00" N 36° 05' 00" E	
Lake Baringo Escarpment	Kenya	ca.	0° 38' 00" N 36° 05' 00" E	

Lake Baringo, 40 km N (see Kapeddo)	Kenya		1° 10' 00" N 36° 06' 00" E	793 m
Lake Barombi (see Barombi, Lake)	Cameroon		4° 39' 00" N 9° 25' 00" E	457 m
Lake Barombi, SE shore (see Barombi, SE shore lake)	Cameroon		4° 27' 00" N 9° 15' 00" E	
Lake Barombi, south shore (see Barombi, south shore lake)	Cameroon		4° 39' 00" N 9° 25' 00" E	
Lake Barombi, west side (see Barombi, west side lake)	Cameroon		4° 39' 00" N 9° 25' 00" E	
Lake Barombi-Mbo (see Barombi, Lake)	Cameroon		4° 39' 00" N 9° 25' 00" E	457 m
Lake Baromi, Johan-Albrechtshöhe	Cameroon		4° 38' 00" N 9° 23' 00" E	210 m
Lake Bengweulu (see Lake Bangweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	2000 ft
Lake Biao (see Lago de Biaó)	Equatorial Guinea		3° 21' 26" N 8° 37' 32" E	
Lake Bilisa (see Bilisa, lake), near Garsen	Kenya		2° 14' 01" S 40° 07' 58" E	
Lake Bini (see Bini, Lake)	Cameroon		7° 26' 00" N 13° 33' 00" E	
Lake Bogoria (see Bogoria, lake)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Bogoria, 3 mi [=4.8 km] W (see Maji Ya Moto)	Kenya		0° 16' 00" N 36° 03' 00" E	1102 m
Lake Bogoria, 30 mi [=48 km] SW (see Molo)	Kenya		0° 15' 00" S 35° 44' 00" E	
Lake Bosomtwe (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtivi (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtivi Konlanasi (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtwe (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtwi (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtwi Konlanasi (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Lake Bunyoni (see Bunyonyi, lake)	Uganda		1° 17' 00" S 29° 55' 05" E	
Lake Bunyonyi (see Bunyonyi, lake)	Uganda		1° 17' 00" S 29° 55' 05" E	
Lake Busumtwi (see Bosumtwi, lake)	Ghana		6° 30' 00" N 1° 25' 00" W	
Lake Calundo (see Calundo, Lake)	Angola		11° 43' 00" S 20° 48' 00" E	1150 m
Lake Carumba (see Carumbo, lake)	Angola		7° 48' 00" S 19° 57' 00" E	850 m
Lake Carumbo (see Carumbo, lake)	Angola		7° 48' 00" S 19° 57' 00" E	850 m
Lake Chad (see Chad, lake)	Lake Chad	ca.	13° 20' 00" N 14° 10' 00" E	
Lake Chama (see Ch'amo Hayk')	Ethiopia		5° 50' 00" N 37° 33' 00" E	
Lake Chamo (see Ch'amo Hayk')	Ethiopia		5° 50' 00" N 37° 33' 00" E	
Lake Cohoha (see Cohoha, lake)	Burundi		2° 30' 00" S 30° 07' 00" E	
Lake Duluti (see also: Duluti, lake)	Tanzania		3° 23' 00" S 36° 47' 00" E	
Lake Dzialandée (see Dzialandée, lake)	Comoro Islands		12° 13' 16" S 44° 25' 58" E	890 m
Lake Edward (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Lake Edward (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Lake Edward, S end	Congo (Democratic Republic of the)	ca.	0° 41' 02" S 29° 22' 49" E	
Lake Elizabeth (see Kariba, lake)	Zimbabwe		17° 00' 00" S 28° 00' 00" E	
Lake Elmenteita (see Elmenteita, lake)	Kenya		0° 26' 25" S 36° 14' 34" E	1829 m
Lake Furnas (see Furnas, Lagoa das)	Azores [Portugal]		37° 45' 00" N 25° 20' 00" W	303 m
Lake Fwa (see Fwa, lake)	Congo (Democratic Republic of the)		5° 43' 00" S 23° 25' 00" E	
Lake Gabrun (see Gabrun, Lake)	Libya		26° 48' 11" N 13° 32' 07" E	
Lake Garairobi (see Harairobo, lake)	Ethiopia		8° 19' 00" N 39° 05' 00" E	
Lake Hannington (see Bogoria, lake)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Hannington, 3 mi [=4.8 km] W (see Maji Ya Moto)	Kenya		0° 16' 00" N 36° 03' 00" E	1102 m
Lake Hannington, 30 mi [=48 km] SW (see Molo)	Kenya		0° 15' 00" S 35° 44' 00" E	
Lake Harairobo (see Harairobo, lake)	Ethiopia		8° 19' 00" N 39° 05' 00" E	
Lake Harrington (see Bogoria, lake)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Idi Amin Dada (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Lake Idi Amin Dada (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Lake Ihema (see Ihema, lake)	Rwanda		1° 52' 12" S 30° 46' 45" E	
Lake Jipe (see Jipe, lake)	Tanzania		3° 35' 00" S 37° 45' 00" E	
Lake Jipe (see Jipe, lake)	Kenya		3° 35' 00" S 37° 27' 00" E	884 m
Lake Jippe (see Jipe, lake)	Kenya		3° 35' 00" S 37° 27' 00" E	884 m
Lake Kabr aun (see Gabrun, Lake)	Libya		26° 48' 11" N 13° 32' 07" E	
Lake Kamuzuku 1 (see Kamuzuku, lake 1)	Uganda		0° 15' 49" S 30° 09' 09" E	
Lake Kamuzuku 2 (see Kamuzuku, lake 2)	Uganda		0° 15' 54" S 30° 09' 25" E	
Lake Kariba (see Kariba, lake)	Zimbabwe		17° 00' 00" S 28° 00' 00" E	
Lake Karoun (see Birkat Qarun)	Egypt		29° 28' 29" N 30° 39' 55" E	
Lake Katwe (see Katwe, lake)	Uganda		0° 08' 00" S 29° 52' 00" E	
Lake Kaulime (see also: Kaulime, lake)	Malawi		10° 34' 38" S 33° 45' 35" E	2350 m
Lake Kivu (see also: Kivu meer, Kivu, lac, Kivu, lake, Lac Kivu)	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 28° 55' 00" E	
Lake Kivu, near	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 29° 10' 00" E	
Lake Kosi (see Kosi Lake)	South Africa		26° 58' 00" S 32° 50' 00" E	
Lake Lallie (see Lallie, Lake)	Côte d'Ivoire		5° 20' 00" N 4° 00' 00" W	
Lake Langanno (see Langano Hayk')	Ethiopia		7° 36' 00" N 38° 43' 00" E	
Lake Langano (see Langano Hayk'), Shoa	Ethiopia		7° 36' 00" N 38° 43' 00" E	
Lake Langara (see Langano Hayk')	Ethiopia		7° 36' 00" N 38° 43' 00" E	
Lake Langeno (see Langano Hayk')	Ethiopia		7° 36' 00" N 38° 43' 00" E	

Lake Leopold II (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)		2° 05' 05" S 18° 20' 21" E	
Lake Léré (see Léré, Lac de)	Chad		9° 37' 00" N 14° 09' 57" E	
Lake Lngano	Ethiopia			
Lake Magadi (see Magadi, lake)	Kenya		1° 52' 00" S 36° 17' 00" E	
Lake Magadi, 3 mi [=4.8 km] E (see Magadi, 3 mi [=4.8 km] E Lake)	Kenya	ca.	1° 52' 00" S 36° 17' 00" E	
Lake Magadi, 40 km W (see also: Magadi, 40 km W Lake)	Kenya	ca.	1° 45' 27" S 35° 48' 31" E	762 m
Lake Magadi, cave near (see Magadi, cave near Lake)	Kenya	ca.	1° 52' 00" S 36° 17' 00" E	
Lake Magadi, near (see Magadi, near Lake)	Kenya	ca.	1° 52' 00" S 36° 17' 00" E	
Lake Mai-Ndombe (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)		2° 05' 05" S 18° 20' 21" E	
Lake Malawi (see Nyasa, lake)	Malawi		12° 00' 00" S 34° 30' 00" E	1500 ft
Lake Manenguba	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	
Lake Manyara (see Manyara, Lake)	Tanzania		3° 35' 00" S 35° 50' 00" E	
Lake Manyara National Park, Ndala River	Tanzania		3° 37' 00" S 35° 53' 00" E	
Lake Manzala, 10 mi S Port Said (see also: Manzala, lake, Port Said, 10 mi [=16 km] S)	Egypt		31° 17' 00" N 32° 18' 00" E	
Lake Marion (see Marion, lake)	Congo (Democratic Republic of the)			
Lake Mariout (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	
Lake Mariut (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	
Lake Marout (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	
Lake Maryut (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	
Lake McIlwaine, 2 mi [=3.2 km] N (see Kilworth Estate)	Zimbabwe		17° 50' 00" S 30° 47' 00" E	
Lake McIlwaine (see McIlwaine, lake), Harare	Zimbabwe		17° 54' 00" S 30° 47' 00" E	
Lake Mihindi (see Mihindi, lake)	Rwanda		1° 32' 00" S 30° 42' 00" E	
Lake Mobutu Sese Seko (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Lake Moeris (see Moeris, Lake)	Egypt		29° 33' 00" N 30° 42' 00" E	
Lake Moero (see Moero, lake)	Congo (Democratic Republic of the)		9° 00' 00" S 28° 45' 00" E	
Lake Mugunga (see Mugunga, lake)	Congo (Democratic Republic of the)		1° 37' 00" S 29° 08' 00" E	1500 m
Lake Mutanda (see Lake Mutanda) (see also: Lake Mutanda)	Uganda		1° 12' 31" S 29° 40' 31" E	1829 m
Lake N'Gové (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Lake Nabugabo (see Nabugabo, lake)	Uganda		0° 20' 09" S 31° 52' 29" E	
Lake Naivasha (see Naivasha, lake)	Kenya		0° 46' 00" S 36° 21' 00" E	6000 ft
Lake Naivasha, cave near (see Naivasha, cave near lake)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	
Lake Naivasha, E shore (see Naivasha, E shore lake)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	1829 m
Lake Naivasha, near (see Naivasha, near lake)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	1890 m
Lake Naivasha, S end (see Naivasha, S end lake)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	
Lake Nakuru (see also: Nakuru, lake)	Kenya		0° 21' 25" S 36° 06' 35" E	1829 m
Lake Naruku National Park (see also: Nakuru Lake Forest, Nakuru Lake Forest Reserve, Naruku, lake, National Park)	Kenya		0° 20' 22" S 36° 05' 59" E	1757 m
Lake Natron (see Natron, lake)	Tanzania		2° 25' 00" S 36° 00' 00" E	
Lake Natron, W side (see Natron, W side lake)	Tanzania		2° 25' 00" S 36° 00' 00" E	
Lake Ngovi (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Lake Nhlage (see Kosi Lake)	South Africa		26° 58' 00" S 32° 50' 00" E	
Lake No (see No, lake)	South Sudan		9° 30' 00" N 30° 28' 00" E	
Lake No, below (see No, lake)	South Sudan	ca.	9° 30' 00" N 30° 28' 00" E	
Lake Nyasa (see Nyasa, lake)	Malawi		12° 00' 00" S 34° 30' 00" E	1500 ft
Lake Nygassa	Lake Nygassa			
Lake Oku (see Oku lake)	Cameroon			
Lake Ondo (see Ondo, lake)	Congo (Democratic Republic of the)		1° 08' 07" S 29° 19' 21" E	
Lake Ossa	Cameroon	ca.	3° 49' 00" N 10° 08' 00" E	
Lake Pandam (see Pandam, lake)	Nigeria		8° 39' 21" N 8° 58' 10" E	
Lake Paradise (see Sokorte Guda)	Kenya		2° 15' 44" N 37° 56' 07" E	
Lake Qarun (see Birkat Qarun)	Egypt		29° 28' 29" N 30° 39' 55" E	
Lake Qarun, near	Egypt	ca.	29° 28' 29" N 30° 39' 55" E	
Lake Rudolf (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Lake Rudolph, W side (see Turkana, W side lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Lake Rukwa (see Rukwa, lake), Konongo	Tanzania		8° 00' 00" S 32° 25' 00" E	
Lake Ruspoli (see Ch'amo Hayk')	Ethiopia		5° 50' 00" N 37° 33' 00" E	
Lake Rutanzige (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Lake Seacow (see Seacow Lake), Durban	South Africa		29° 52' 00" S 31° 00' 00" E	
Lake Shala (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Lake Shalla (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Lake Shamo (see Ch'amo Hayk')	Ethiopia		5° 50' 00" N 37° 33' 00" E	

Lake Sibaya (see Sibaya, lake)	South Africa		27° 20' 00" S 32° 41' 00" E	
Lake Sibaya Reserve Station, Ingwavuma	South Africa		27° 21' 00" S 32° 43' 00" E	
Lake Tana	Ethiopia		12° 00' 00" N 37° 20' 00" E	
(see also: Dambiya, Dembea, Lake Tsana, T'ana Hayk', Tana, lake, Tsana, lake)				
Lake Tanganyika	Tanzania		4° 52' 00" S 29° 37' 00" E	
Lake Tanganyika, NW bank	Congo (Democratic Republic of the)	ca.	3° 20' 00" S 29° 12' 00" E	
(see also: Lac Tanganyika, bord Nord-Ouest, Tanganyika meer, NW oever, Tanganyika, lake, NW bank)				
Lake Tchad (see Chad, lake)	Lake Tchad	ca.	13° 20' 00" N 14° 10' 00" E	
Lake Tisongo (see Tisongo, Lake)	Cameroon		3° 25' 00" N 9° 54' 00" E	
Lake Tsana (see Lake Tana)	Ethiopia		12° 00' 00" N 37° 20' 00" E	
Lake Tumba (see Tumba, lake)	Congo (Democratic Republic of the)	ca.	0° 48' 00" S 18° 03' 00" E	
Lake Tumba, Island in	Congo (Democratic Republic of the)	ca.	0° 48' 00" S 18° 03' 00" E	
Lake Turkana (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Lake Turkana, W side (see Turkana, W side lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Lake Ura (see Ura, lagoa)	Mozambique		19° 42' 36" S 34° 19' 52" E	
Lake Victoria	Kenya			
Lake Victoria (see Victoria, lake)	Tanzania		1° 00' 00" S 33° 00' 00" E	
Lake Victoria (see Victoria, lake)	Uganda	ca.	1° 00' 00" S 33° 00' 00" E	
Lake Zedee (see Lac Zedee)	Gabon			
Lakes state	South Sudan			
(see also: Al Buhayrat state |PC:EB|)				
Lakiundu river, near junction with Northern Guaso Nyiro river	Kenya			
Lakota, 15 km N	Côte d'Ivoire		5° 50' 00" N 5° 40' 00" W	
Lalapanzi Pan	South Africa		28° 03' 25" S 32° 17' 42" E	
Lalehun	Sierra Leone		8° 11' 00" N 11° 05' 00" W	256 m
Lalehun, 4 mi [=6.4 km] S (see Gola Forest Camp)	Sierra Leone		7° 36' 47" N 10° 57' 59" W	
Lalibala (see Lalibela)	Ethiopia		12° 02' 00" N 39° 02' 00" E	2427 m
Lalibela	Ethiopia		12° 02' 00" N 39° 02' 00" E	2427 m
(see also: Labibela, Lalibala, Lalibela)				
Lalibela (see Lalibela)	Ethiopia		12° 02' 00" N 39° 02' 00" E	2427 m
Lalla Kedidja, 7 km W (see Tikjda)	Algeria			
Lallie, Lake	Côte d'Ivoire		5° 20' 00" N 4° 00' 00" W	
(see also: Lac Lallie, Lake Lallie)				
Lambaréné	Gabon		0° 42' 00" S 10° 13' 00" E	45 m
(see also: Lambarene, Limbareni)				
Lambarene (see Lambaréné)	Gabon		0° 42' 00" S 10° 13' 00" E	45 m
Lamberts Bay, 10 mi [=16 km] inland	South Africa		32° 07' 00" S 18° 27' 00" E	
Lamberts Bay, 10 mi [=16 km] inland (see Compagnies Drif)	South Africa		32° 08' 00" S 18° 27' 00" E	100 m
Lamberts Bay, 16 km SSE (see Farm Wagondrift 230)	South Africa		32° 13' 00" S 18° 21' 00" E	
Lambert's Bay, 4 km S, 14 km E (see Compagnies Drif)	South Africa		32° 07' 00" S 18° 27' 00" E	100 m
Lamberts Bay, 6 km E	South Africa		32° 05' 00" S 18° 20' 00" E	
Lamberts Bay, 8 km E	South Africa		32° 05' 00" S 18° 20' 00" E	
Lamco (see New Yekepa)	Liberia		7° 34' 46" N 8° 32' 16" W	584 m
Lamco Community (see New Yekepa)	Liberia		7° 34' 46" N 8° 32' 16" W	584 m
Lamco Headquarters Camp (see Grassfield)	Liberia		7° 29' 20" N 8° 34' 15" W	530 m
Lamin	The Gambia		13° 23' 13" N 16° 38' 41" W	36 m
Lamin Bridge	The Gambia		13° 23' 35" N 16° 37' 30" W	
Lamto	Côte d'Ivoire		6° 12' 00" N 5° 02' 00" W	
Lamto Ecology Station, on Bandama River	Côte d'Ivoire		6° 13' 00" N 5° 02' 00" W	
Lamto Reserve	Côte d'Ivoire		6° 13' 00" N 5° 02' 00" W	
Lamto, 3 km from	Côte d'Ivoire	ca.	6° 13' 00" N 5° 02' 00" W	
Lamu	Kenya		2° 16' 42" S 40° 54' 12" E	1 m
(see also: Amu)				
Lamu (town), NW of	Kenya	ca.	2° 16' 42" S 40° 54' 12" E	1 m
(see also: Amu Town, NW of)				
Lamu county	Kenya			
Lamu district	Kenya			
Lamu Island	Kenya		2° 16' 49" S 40° 51' 29" E	
Lamu Island, SE coast	Kenya	ca.	2° 16' 49" S 40° 51' 29" E	
Lamwo district	Uganda			
Lamy (see N'Djamena)	Chad		12° 06' 47" N 15° 02' 57" E	298 m
Lamya Valley	Congo (Democratic Republic of the)		0° 50' 14" N 29° 59' 15" E	
(see also: Lanuga valley)				
Lândana (see Cacongo)	Angola		5° 14' 00" S 12° 09' 00" E	0 m
(see also: Landana)				
Landana (see Lândana)	Angola		5° 14' 00" S 12° 09' 00" E	0 m
Landjia	Central African Republic		4° 22' 00" N 18° 39' 00" E	
(see also: Bangui, 10 km from (I), La Landjia)				
Langanno, lake (see Langano Hayk')	Ethiopia		7° 36' 00" N 38° 43' 00" E	

Langano Hayk' (see also: Lake Langanno, Lake Langano, Lake Langara, Lake Langeno, Langanno, lake, Langano, lake, Langara, lake, Langeno, lake)	Ethiopia		7° 36' 00" N 38° 43' 00" E	
Langano, lake (see Langano Hayk')	Ethiopia		7° 36' 00" N 38° 43' 00" E	
Langano, W coast lake	Ethiopia		7° 37' 00" N 38° 42' 00" E	
Langara, lake (see Langano Hayk')	Ethiopia		7° 36' 00" N 38° 43' 00" E	
Langata (see Langata Rongai) (see also: Langata)	Kenya		1° 24' 00" S 36° 46' 00" E	1731 m
Langata cemetery (see Langata Rongai)	Kenya		1° 24' 00" S 36° 46' 00" E	1731 m
Langata forest (see Langata Rongai)	Kenya		1° 24' 00" S 36° 46' 00" E	1731 m
Langata Rongai (see also: Langata, Langata cemetery)	Kenya		1° 24' 00" S 36° 46' 00" E	1731 m
Langata Rongai (see also: Langata forest)	Kenya		1° 24' 00" S 36° 46' 00" E	1731 m
Langatown (see Lengatown)	Liberia		6° 18' 00" N 10° 23' 00" W	
Langebaan Road (see Langebaanweg)	South Africa		32° 58' 00" S 18° 09' 00" E	56 m
Langebaanweg (see also: Chemfos mine, Langebaan Road)	South Africa		32° 58' 00" S 18° 09' 00" E	56 m
Lang-Elsieskraal Bontebok Park, 6 km S, 1 km E Swellendam (see also: Bontebok National Park, Swellendam, 6 km S, 1 km E)	South Africa		34° 05' 00" S 20° 27' 00" E	70 m
Langenburg (see Lumbira)	Tanzania		9° 34' 00" S 34° 08' 00" E	476 m
Langeno, lake (see Langano Hayk')	Ethiopia		7° 36' 00" N 38° 43' 00" E	
Langjan Provincial Nature Reserve, Vivo, 11.2 km N (see also: Vivo, 11.2 km N)	South Africa		22° 49' 48" S 29° 12' 00" E	
Langverwaght, Farm 196 (see Vrede), Vrede	South Africa		27° 25' 00" S 29° 10' 00" E	1668 m
Lanner Gorge cave, on Levuvhu River	South Africa		23° 07' 00" S 30° 22' 00" E	
Lanninghurst mine, 4 mi [=7.2 km] (W)NW Nicholson	Zimbabwe		21° 04' 00" S 29° 23' 00" E	
Lansar (see Lunsar), 129 km from Freetown	Sierra Leone		8° 41' 00" N 12° 32' 00" W	52 m
Lanuga valley (see Lamya Valley)	Congo (Democratic Republic of the)		0° 50' 14" N 29° 59' 16" E	
Lapalala Wilderness area, 65 km N Vaalwater; Waterberg (see also: Vaalwater, 65 km N)	South Africa		23° 51' 00" S 28° 09' 00" E	
Larabanga, near (see also: Laribanga, near)	Ghana	ca.	9° 13' 00" N 1° 51' 00" W	189 m
Larache (see also: Al 'Ara'ish, El Aaraich, Lavache)	Morocco		35° 11' 24" N 6° 09' 00" W	55 m
Larache prefecture	Morocco			
Larache, 20 km S	Morocco		35° 01' 59" N 6° 03' 00" W	
Laribanga, near (see Larabanga, near)	Ghana	ca.	9° 13' 00" N 1° 51' 00" W	189 m
Larteh Junction, 2 km from Larteh (see also: Larteh, 2 km from)	Ghana	ca.	5° 54' 00" N 0° 04' 00" W	
Larteh, 2 km from (see Larteh Junction)	Ghana	ca.	5° 54' 00" N 0° 04' 00" W	
Larteh, 3 km S	Ghana	ca.	5° 56' 00" N 0° 04' 00" W	
Larteh, 5 km S	Ghana	ca.	5° 56' 00" N 0° 04' 00" W	
Las Palmas (see Las Palmas de Gran Canaria)	Canary Islands (Spain)		28° 05' 59" N 15° 24' 48" W	
Las Palmas de Gran Canaria (see also: Las Palmas, Palmas)	Canary Islands (Spain)		28° 05' 59" N 15° 24' 48" W	
Lastoursville	Gabon		0° 49' 00" S 12° 42' 00" E	206 m
Lastourville	Gabon		0° 49' 00" S 12° 42' 00" E	206 m
Latome, 60 mi [=96 km] ESE Torit (see also: Blat Latome, Torit, 60 mi [=96 km] ESE)	South Sudan		4° 07' 00" N 33° 37' 00" E	1257 m
Latónpolis (see Isna)	Egypt		25° 17' 36" N 32° 33' 14" E	
Latopolia (see Isna)	Egypt		25° 17' 36" N 32° 33' 14" E	
Latopolis (see Isna)	Egypt		25° 17' 36" N 32° 33' 14" E	
Laurisilva forest, near Los Tilos	Canary Islands (Spain)	ca.	28° 47' 23" N 17° 48' 12" W	
Lavache (see Larache)	Morocco		35° 11' 24" N 6° 09' 00" W	55 m
Lava-Dom (see Borawli)	Ethiopia		13° 18' 00" N 40° 58' 48" E	812 m
Lawra, frontier Ghana-Burkina Fasso	Burkina Faso	ca.	10° 38' 56" N 2° 56' 17" W	
Lawra, Mouhoun river	Ghana	ca.	10° 39' 00" N 2° 52' 00" W	253 m
Lawudo, 13 mi N Torit (see also: Torit, 13 mi [=21 km] N)	South Sudan		4° 25' 00" N 32° 34' 00" E	
Le Caire (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
Le Cap Méchant, 0.7 km SSW Basse Vallée (see also: Basse Vallée, 0.7 km SSW)	Réunion		21° 22' 30" S 55° 42' 34" E	10 m
Le Chambi (see Bordj Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Le Kef governorate (see also: Kef governorate |PC:KF|)	Tunisia			
Le Mdilla (see M'Dilla abandoned Phosphate mines)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
Le Oti (see Oti (River))	Togo		7° 48' 00" N 0° 08' 00" E	
Le Reduit, ravines	Mauritius	ca.	20° 13' 00" S 57° 29' 00" E	

Le Rhone Lodge, Lake Kyle	Zimbabwe			
Le Roux Dam (see P.K. Le Roux Dam)	South Africa		30° 05' 00" S 24° 45' 00" E	1150 m
Le Roux Farm	South Africa		33° 54' 17" S 18° 48' 36" E	
Lealné district	Lealné district			
Lebanon Sappi plantation, near Howick	South Africa		29° 18' 48" S 30° 12' 32" E	
Lebayi cave (see also: Grotte de Lebayi)	Congo		2° 42' 03" S 13° 35' 58" E	
Lébda (see Leptis Magna)	Libya		32° 37' 49" N 14° 18' 43" E	
Lebombo Ironwood forest, 2 km E Letaba Olifants confluence (see also: Letaba Olifants confluence, 2 km E)	South Africa		23° 59' 00" S 31° 50' 00" E	
Lebowa, 10 km W (see Matlapitsi Caves)	South Africa		24° 10' 00" S 30° 06' 00" E	
Ledgus, between Nimule & Gondokoro [formerly in Uganda]	Sudan			
Ledzee Estates, Letaba-Tzaneen	South Africa		23° 51' 00" S 30° 14' 00" E	
Leekie	Nigeria			
Leelykstraat, Farm 320 (see Farm Leelykstraat 320), 30 km NE Marydale	South Africa		29° 11' 00" S 22° 18' 00" E	
Leeudraai, Farm 221JR (see Farm Leeudraai 221JR)	South Africa		25° 22' 15" S 28° 33' 58" E	
Leeuwdril, 13 km NE Twee Rivieren (see also: Twee Rivieren, 13 km NE)	South Africa		26° 07' 07" S 20° 50' 00" E	
Leeuwenfontein, Farm 81 (see Farm Leeuwenfontein 81)	South Africa		31° 15' 21" S 25° 34' 25" E	1510 m
Leeuwspoor, Farm 647 (see Farm Leeuwspoor 647), S of Gollela; on Pongola river, Pongola road	South Africa		27° 24' 00" S 31° 54' 00" E	
Legatet Hill (see Legetet Hill), 3 mi [=5 km] N Koru	Kenya		0° 10' 00" S 35° 17' 00" E	
Legatet Hill cave (see Legetet Hill), 3 mi [=5 km] N Koru	Kenya		0° 10' 00" S 35° 17' 00" E	
Legetet Hill, 5 km N Koru (see also: Koru, 3 mi [=5 km] N, Legatet Hill, Legatet Hill cave)	Kenya		0° 10' 00" S 35° 17' 00" E	
Legion (see Legon), 9 mi [=14.5 km] NNE Accra	Ghana		5° 39' 00" N 0° 11' 00" W	30 m
Legion Folly	Ghana			
Legogoto (see eLegogoto, mountain), Nelspruit	South Africa		25° 14' 00" S 31° 05' 00" E	
Legon, 9 mi [=14.5 km] NNE Accra (see also: Accra, 9 mi [=14.5 km] NNE, Legion, Legon University, University of Ghana)	Ghana		5° 39' 00" N 0° 11' 00" W	30 m
Legon University (see Legon)	Ghana		5° 39' 00" N 0° 11' 00" W	75 m
Legon, 1 mi [=1.6 km] N	Ghana	ca.	5° 39' 00" N 0° 11' 00" W	
Legon, 10 mi [=16 km] N (see Aburi hills)	Ghana		5° 46' 59" N 0° 10' 59" W	
Lehmkuhlsrust, 20 mi E Kroonstad (see also: Kroonstad, 20 mi [=32 km] E)	South Africa		27° 39' 00" S 27° 33' 00" E	1400 m
Leinde Fadali	Nigeria		6° 58' 00" N 11° 36' 00" E	1700 m
Lejweleputswa district	South Africa			
Leklebi Agbesia	Ghana		6° 56' 00" N 0° 29' 00" E	
Lekoumou airport	Congo		2° 46' 46" S 13° 33' 36" E	
Lekoumou airport road	Congo		2° 45' 43" S 13° 34' 57" E	
Lékoumou departement	Congo			
Lekoumou forest corridor	Congo		3° 25' 35" S 12° 45' 40" E	
Lekoumou forest trails	Congo		2° 45' 46" S 13° 36' 22" E	
Lekoumou waterfall forest	Congo		2° 45' 33" S 13° 36' 21" E	
Lékoun	Cameroon		4° 13' 00" N 11° 14' 00" E	499 m
Lélo	Cameroon		4° 20' 00" N 14° 07' 00" E	610 m
Lelodorf (see Lolodorf), on Lokoundgé river	Cameroon		3° 14' 00" N 10° 44' 00" E	412 m
Lélouma prefecture	Guinea			
Lemba plain (see also: Lemba vlakte)	Congo (Democratic Republic of the)		4° 18' 00" S 15° 18' 00" E	
Lemba river (see Río Lemba)	São Tomé and Principé		0° 15' 00" N 6° 28' 00" E	
Lemba vlakte (see Lemba plain)	Congo (Democratic Republic of the)		4° 18' 00" S 15° 18' 00" E	
Lembeni	Tanzania		3° 47' 00" S 37° 37' 00" E	1072 m
Lembeni district	Tanzania			
Lemek hill	Kenya		1° 06' 00" S 35° 23' 00" E	2076 m
Lemera	Congo (Democratic Republic of the)		2° 08' 08" S 28° 49' 41" E	2281 m
Lemera Great Sink (see Itombwe)	Congo (Democratic Republic of the)		4° 04' 00" S 28° 40' 00" E	
Lemera, SW of	Congo (Democratic Republic of the)	ca.	2° 10' 00" S 28° 50' 00" E	8800 ft
Lemoenboord, Farm 320 (see Farm Lemoenboord 320), Philippolis	South Africa		30° 07' 30" S 24° 52' 30" E	
Lemoenhoek, Farm 415 (see Farm Lemoenhoek 415), Ladybrand	South Africa		29° 22' 30" S 27° 07' 30" E	
Lemuale (see Oti (River))	Togo		7° 48' 00" N 0° 08' 00" E	
Lengatown (see also: Langatown)	Liberia		6° 18' 00" N 10° 23' 00" W	
Lengué Kountou	Senegal		13° 02' 00" N 13° 04' 00" W	
Lengwe Game Reserve (see Lengwe National Park)	Malawi		16° 15' 00" S 34° 45' 00" E	

Lengwe National Park (see also: Lengwe Game Reserve)	Malawi		16° 15' 00" S 34° 45' 00" E	
Lenhua, Rio (see Lunhiu river), Balovale	Zambia		13° 19' 00" S 23° 13' 00" E	
Lennox Farm, 1 km E Dundee (see also: Dundee, 1 km E)	South Africa		28° 09' 20" S 30° 17' 57" E	1232 m
Léo-Est (see Kinshasa, near Leopoldville)	Congo (Democratic Republic of the)		4° 18' 00" S 15° 18' 00" E	177 m
Leopard Rock Hotel	Zimbabwe		19° 08' 00" S 32° 47' 00" E	
Leopard Rock Lodge	Kenya		0° 12' 00" N 38° 12' 00" E	
Leopard's Hill Cave	Zambia		15° 36' 17" S 28° 41' 56" E	
Leopold 2nd, lake (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)		2° 05' 05" S 18° 20' 21" E	
Leopold II meer (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)		2° 05' 05" S 18° 20' 21" E	
Leopold II, lake (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)		2° 05' 05" S 18° 20' 21" E	
Leopoldstad (see Kinshasa)	Congo (Democratic Republic of the)		4° 19' 47" S 15° 18' 54" E	240 m
Leopoldville (see Kinshasa)	Congo (Democratic Republic of the)		4° 18' 00" S 15° 18' 00" E	240 m
Léopoldville (see Kinshasa)	Congo (Democratic Republic of the)		4° 19' 47" S 15° 18' 54" E	240 m
Leptis Magna (see also: Labdah, Lébda)	Libya		32° 37' 49" N 14° 18' 43" E	
Léré	Chad		9° 37' 16" N 14° 13' 49" E	293 m
Léré, Lac de (see also: Lac de Léré, Lake Léré, Léré, lake)	Chad		9° 37' 00" N 14° 09' 57" E	
Léré, lake (see Léré, Lac de)	Chad		9° 37' 00" N 14° 09' 57" E	
Leribe district	Lesotho			
Léroba province	Burkina Faso			
Les Andalouses, 20 km W Oran (see also: Oran, 20 km W)	Algeria		35° 42' 16" N 0° 53' 33" W	0 m
Les Bains (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Les Roussettes (see also: Station des Roussettes)	Madagascar		12° 31' 37" S 49° 10' 19" E	1000 m
Lesetlheng	South Africa		25° 09' 26" S 27° 07' 34" E	1089 m
Leslie, 7 km E (see Farm Rolspruit 127)	South Africa		26° 24' 00" S 29° 00' 00" E	
Lesotho	Lesotho			
Lesse	Congo (Democratic Republic of the)		0° 45' 00" N 29° 48' 00" E	800 m
Lessingshoogte, Farm (see Lessingshoogte, Farm), 15 mi [=24 km] W Middelburg (see also: Lessingshoogte, Farm, Middelburg, 15 mi [=24 km] W)	South Africa		31° 34' 00" S 24° 44' 00" E	
Lesukut island	Kenya		0° 35' 30" N 36° 04' 53" E	975 m
Let Marafi (see Let Marefiya)	Ethiopia		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marafia (see Let Marefiya)	Ethiopia		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marafiya (see Let Marefiya)	Ethiopia		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marefia (see Let Marefiya)	Ethiopia		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marefiya (see also: Let Marafi, Let Marafia, Let Marafiya, Let Marefia)	Ethiopia		9° 38' 00" N 39° 45' 00" E	2467 m
Letaba (see also: Letaba Camp, Letaba Rest Camp, Letaba-rustkamp)	South Africa		23° 51' 16" S 31° 34' 17" E	
Letaba Camp (see Letaba)	South Africa		23° 51' 16" S 31° 34' 17" E	
Letaba Camp, 1 km SE (see Letaba Rest Camp, 1 km SE)	South Africa		23° 51' 43" S 31° 34' 47" E	
Letaba highwater bridge, 4 km NNE Letaba Rest Camp (see also: Letaba Rest Camp, 4 km NNE)	South Africa		23° 48' 40" S 31° 34' 56" E	
Letaba Olifants confluence, 2 km E (see Lebombo Ironwood forest)	South Africa		23° 59' 00" S 31° 50' 00" E	
Letaba Ranch, 40 km N Phalaborwa, Sabi river (see also: Phalaborwa, 40 km N)	South Africa		23° 36' 44" S 31° 05' 20" E	
Letaba Rest Camp (see Letaba)	South Africa		23° 51' 16" S 31° 34' 17" E	
Letaba Rest Camp, 1 km SE (see also: Letaba Camp, 1 km SE)	South Africa		23° 51' 43" S 31° 34' 47" E	
Letaba Rest Camp, 4 km NNE (see Letaba highwater bridge)	South Africa		23° 48' 40" S 31° 34' 56" E	
Letaba Rest Camp, 8 km SE (see also: Letaba, 8 km SE)	South Africa		23° 54' 34" S 31° 37' 37" E	
Letaba, 11 km SW (see Nhlanganini dam)	South Africa		23° 55' 18" S 31° 31' 05" E	
Letaba, 15 km W (see De Hoek Staatsbos)	South Africa		23° 49' 37" S 30° 02' 53" E	4500 ft
Letaba, 19 km W (see Farm Malta)	South Africa		24° 10' 00" S 30° 14' 00" E	
Letaba, 5 km E	South Africa	ca.	23° 51' 13" S 31° 38' 04" E	
Letaba, 8 km SE (see Letaba Rest Camp, 8 km SE)	South Africa		23° 54' 34" S 31° 37' 37" E	
Letaba-Duiwelskloof, 8 km E (see Farm Narina)	South Africa		23° 42' 00" S 30° 14' 00" E	

Letaba-Olifants confluence, 2 km E	South Africa		23° 59' 00" S 31° 50' 00" E	
Letaba-rustkamp (see Letaba)	South Africa		23° 51' 16" S 31° 34' 17" E	
Lethlakeng, Tshana (see also: Lethlaking)	Botswana		24° 05' 00" S 25° 03' 00" E	1056 m
Lethlakeng, 11 mi [=17.7 km] SE, Tshana	Botswana		24° 13' 00" S 25° 10' 00" E	
Lethlaking (see Lethlakeng), Tshana	Botswana		24° 05' 00" S 25° 03' 00" E	1056 m
Letsitele, Groot Letaba river	South Africa		23° 53' 20" S 30° 23' 17" E	557 m
Letsitele, 30 km NE (see Hans Merensky Nature Reserve)	South Africa		23° 41' 00" S 30° 41' 00" E	
Leucus Limen (see Al Qusayr)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Leverstad (see Lusanga)	Congo (Democratic Republic of the)		4° 50' 00" S 18° 44' 00" E	307 m
Leverville (see Lusanga)	Congo (Democratic Republic of the)		4° 50' 00" S 18° 44' 00" E	307 m
Levuhu Hippo pool (see Luvuvhu hippo pool), 2 km NW Simuwana ranger's post, 4 - 5 km W of bridge	South Africa		22° 25' 51" S 31° 10' 51" E	
Levuma, Central	Sierra Leone			
Levuvhu	South Africa		22° 25' 00" S 31° 10' 00" E	
Levuvhu Bridge	South Africa		22° 25' 00" S 31° 11' 00" E	
Levuvhu Bridge, 3 km W (see Anthrax camp)	South Africa		22° 25' 30" S 31° 12' 30" E	
Levuvhu Hippopool (see Luvuvhu hippo pool), 2 km NW Simuwana Rangers Post, 4 km W Wau West-bridge	South Africa		22° 25' 51" S 31° 10' 51" E	
Levuvhu River	South Africa		22° 39' 36" S 30° 52' 48" E	
Levuvhu River, opposite Shilawee stream	South Africa		22° 26' 00" S 31° 11' 00" E	
Leydsdorp	South Africa		23° 59' 00" S 30° 32' 00" E	831 m
Li Junge, mountain	Tanzania			
Li Rangu	South Sudan		4° 43' 46" N 28° 21' 33" E	670 m
Li Tunge	Tanzania			
Lianshulu	Namibia		18° 10' 00" S 23° 25' 00" E	
Libala Lia Matabele (see Matabele plain)	Zambia		16° 25' 00" S 23° 08' 00" E	
Libala Lya Matebele (see Matabele plain)	Zambia		16° 25' 00" S 23° 08' 00" E	
Libenge (see also: Libengué)	Congo (Democratic Republic of the)		3° 39' 00" N 18° 38' 00" E	326 m
Libengué (see Libenge)	Congo (Democratic Republic of the)		3° 39' 00" N 18° 38' 00" E	326 m
Liberia	Liberia			
Liberian Timber Company (see also: L.T.C.)	Liberia		6° 16' 00" N 8° 40' 00" W	
Libreville, 20 km from	Gabon	ca.	0° 23' 00" N 9° 27' 00" E	
Libsoma farm, 6 km S, 17 km W of Afgoi, Mordinle (see also: Afgoi, 6 km S, 17 km W)	Somalia		2° 05' 00" N 44° 58' 00" E	
Libwezi (see Kibwezi)	Kenya		2° 25' 00" S 37° 58' 00" E	
Libya	Libya			
Lichtenburg, 6 km NE (see Pretoria Zoo's farm)	South Africa		26° 07' 00" S 26° 12' 00" E	
Liebig's Ranch	Namibia		22° 38' 00" S 16° 53' 00" E	
Liège Sacre-Coeur mission (see Kanzenze mission)	Congo (Democratic Republic of the)		10° 31' 00" S 25° 12' 00" E	1157 m
Liège Saint Lambert (see Katana)	Congo (Democratic Republic of the)		2° 13' 30" S 28° 49' 53" E	1595 m
Lieki	Congo (Democratic Republic of the)		0° 41' 11" N 24° 11' 00" E	508 m
Lifupa Camp (see also: Lifupa Game Camp)	Malawi		13° 03' 00" S 33° 09' 00" E	1050 m
Lifupa Game Camp (see Lifupa Camp)	Malawi		13° 03' 00" S 33° 09' 00" E	1050 m
Lignite cave, near Knysna	South Africa	ca.	34° 02' 00" S 23° 02' 00" E	
Ligonyi (see Elgon, Mount)	Uganda		1° 08' 00" N 34° 33' 00" E	
Likabula (see Likabula Tea Factory)	Malawi		15° 58' 00" S 35° 29' 00" E	760 m
Likabula mission	Malawi		15° 57' 00" S 35° 24' 00" E	
Likabula river	Malawi		16° 01' 00" S 34° 47' 00" E	1200 m
Likabula Tea Factory (see also: Likabula, Likhubula Camp)	Malawi		15° 58' 00" S 35° 29' 00" E	760 m
Likandi river (see Litaki river)	Congo (Democratic Republic of the)		3° 11' 00" N 26° 11' 00" E	
Likasi (see also: Farm 'des grands bois', Jadotstad, Jadotsville, Jadotville, Jadoville, Mission Sainte Thérèse, Panda Camp, St Therese mission, St. Theresa mission)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Likasi, 130 km N (see Tenke)	Congo (Democratic Republic of the)		10° 35' 00" S 26° 07' 00" E	1512 m
Likasi, 15 km S (see Mwanga cave)	Congo (Democratic Republic of the)			
Likasi, ca. 8 km S (see Kakontwe)	Congo (Democratic Republic of the)		10° 59' 00" S 26° 40' 00" E	1253 m
Likati River	Congo (Democratic Republic of the)		2° 53' 46" N 24° 02' 54" E	

Likawage, Kilwa	Tanzania		9° 13' 00" S 39° 00' 00" E	132 m
Likhubula Camp (see Likabula Tea Factory)	Malawi		15° 58' 00" S 35° 29' 00" E	760 m
Likhubula Camp, 1.5 km E	Malawi		15° 56' 17" S 35° 30' 50" E	1090 m
Liki	Congo (Democratic Republic of the)		0° 07' 00" S 29° 34' 00" E	
Likoko Mimbia, near Buea (see also: Likoko Village)	Cameroon		4° 08' 41" N 9° 13' 39" E	
Likoko Village (see Likoko Mimbia), near Buea	Cameroon		4° 08' 41" N 9° 13' 39" E	
Likoma district	Malawi			
Likomba, near Tiko	Cameroon		4° 05' 37" N 9° 19' 55" E	124 m
Likouala departement	Congo			
Likwenu river	Malawi		15° 01' 00" S 35° 14' 00" E	
Lilliput, Farm 246 (see Farm Lilliput 246), 16 km SW Messina	South Africa		22° 28' 00" S 29° 56' 00" E	
Lilongwe	Malawi		13° 59' 00" S 33° 47' 00" E	1024 m
Lilongwe district	Malawi			
Lilongwe, 50 km E on Salima Road	Malawi	ca.	13° 46' 17" S 34° 00' 27" E	
Lima	Congo (Democratic Republic of the)		0° 12' 00" N 29° 18' 00" E	
Lima Mani	Comoro Islands		11° 50' 00" S 43° 24' 00" E	
Limalunga (see also: Limulunga)	Zambia		15° 09' 00" S 23° 10' 00" E	3330 ft
Limbareni (see Lambaréné)	Gabon		0° 42' 00" S 10° 13' 00" E	45 m
Limbe, near Victoria (see also: Victoria)	Cameroon		4° 00' 46" N 9° 13' 13" E	136 m
Limpopo province	South Africa			
Limpopo River	Zimbabwe	ca.	22° 18' 00" S 30° 40' 00" E	
Limpopo Valley, Sentinal Ranch (see Limpopo Valley, Sentinel Ranch)	Zimbabwe		22° 07' 30" S 29° 22' 30" E	
Limpopo Valley, Sentinel Ranch (see also: Limpopo Valley, Sentinal Ranch)	Zimbabwe		22° 07' 30" S 29° 37' 30" E	
Limpopo-Levuvhu Rivers confluence	South Africa		22° 24' 36" S 31° 10' 48" E	
Limulunga, 10 mi [=16 km] N Mongu N.R.	Zambia	ca.	15° 04' 05" S 23° 08' 53" E	
Limulunga (see Limalunga)	Zambia		15° 09' 00" S 23° 10' 00" E	3330 ft
Limuru	Kenya		1° 06' 00" S 36° 39' 00" E	2240 m
Limuru, near	Kenya		1° 06' 00" S 36° 39' 00" E	
Lindi	Tanzania		10° 00' 00" S 39° 43' 00" E	0 m
Lindi region (see also: Southern region |PC:LI|)	Tanzania			
Lindi district	Tanzania		10° 00' 00" S 39° 20' 00" E	
Lindi, 25 km W (see Litipo Forest Reserve)	Tanzania		10° 02' 00" S 39° 30' 00" E	
Lindi, 50-60 km W (see Rondo Forest Reserve)	Tanzania		10° 09' 00" S 39° 15' 00" E	ca. 473 m
Lindley, Arcadia	South Africa		27° 52' 00" S 27° 55' 00" E	1572 m
Lingadzi River Valley	Malawi		13° 00' 00" S 33° 09' 00" E	1050 m
Lingnéré (see Linguère)	Senegal		15° 24' 00" N 15° 07' 00" W	2 m
Linguère (see also: Lingnéré, Lynguère)	Senegal		15° 24' 00" N 15° 07' 00" W	2 m
Linyandi	Namibia		18° 06' 00" S 24° 02' 00" E	2900 ft
Linyuwe river (see Lunhiu river), Balovale	Zambia		13° 19' 00" S 23° 13' 00" E	
Lion and Cheetah Park, 25 km W Harare (see also: Harare, 25 km W)	Zimbabwe		17° 23' 00" S 31° 17' 00" E	
Lion Hill, 2 mi [=3.6 km] from Voi, Tsavo East National Park	Kenya		3° 22' 32" S 38° 33' 59" E	
Lion Hill (see Lion Hill cave)	Kenya		0° 21' 00" S 36° 08' 00" E	
Lion Hill cave, 7 km S, 5 km E Nakuru (see also: Lion Hill, Nakuru, 7 km S, 5 km E)	Kenya		0° 21' 00" S 36° 08' 00" E	
Liondo	Congo (Democratic Republic of the)		0° 47' 32" S 22° 38' 32" E	508 m
Liondo (see also: Loondo)	Congo (Democratic Republic of the)		0° 55' 00" S 22° 41' 00" E	416 m
Lions cave (see also: Grotte des lions)	Algeria	ca.	36° 24' 00" N 2° 46' 00" E	
Lions river	South Africa		29° 29' 00" S 30° 13' 00" E	
Lionspruit	South Africa		25° 22' 18" S 31° 46' 55" E	
Lipumba, Matengo Heights	Tanzania		10° 51' 00" S 35° 02' 00" E	1266 m
Liqhobong	Lesotho		28° 57' 59" S 28° 35' 16" E	2250 m
Lira district	Uganda			
Lirandha Hill	Kenya			
Lirhanda Cave	Kenya		0° 12' 42" N 34° 53' 55" E	
Lisala (see also: Lizala)	Congo (Democratic Republic of the)		2° 09' 00" N 21° 31' 00" E	409 m
Lisala territory	Congo (Democratic Republic of the)		2° 09' 00" N 21° 31' 00" E	
Lisanthu	Malawi		13° 00' 00" S 33° 10' 00" E	1000 m
Lisanthu, 15 mi [=24 km] NE, rocky outcrop	Malawi		12° 53' 00" S 33° 03' 00" E	ca. 1100 m
Lisht (see Al Lisht)	Egypt		29° 34' 00" N 31° 14' 00" E	15 m
Lisikili, lake	Namibia	ca.	17° 33' 00" S 24° 26' 00" E	

Lister Point Camp, St. Lucia (see also: Lister's Point, Listerspunt)	South Africa		27° 58' 00" S 32° 23' 00" E	54 m
Lister's Point (see Lister Point Camp)	South Africa		27° 58' 00" S 32° 23' 00" E	54 m
Listerspunt (see Lister Point Camp)	South Africa		27° 58' 00" S 32° 23' 00" E	54 m
Litaki river (see also: Likandi river)	Congo (Democratic Republic of the)		3° 11' 00" N 26° 11' 00" E	
Litambo	Angola		14° 50' 00" S 17° 17' 00" E	1443 m
Litembo	Namibia			
Litipo Forest Reserve, 25 km W Lindi (see also: Lindi, 25 km W)	Tanzania		10° 02' 00" S 39° 30' 00" E	
Litoral province	Equatorial Guinea			
Little Batanga (see Petit Batanga)	Cameroon		3° 11' 55" N 9° 55' 36" E	0 m
Little Mowbray	South Africa		33° 56' 53" S 18° 29' 05" E	
Little Namaqualand (see also: Klein Nama land)	South Africa		28° 30' 00" N 17° 00' 00" E	
Little Popo (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Littoral department	Benin			
Littoral region	Cameroon			
Livale (see Liwale)	Tanzania		9° 46' 00" S 37° 56' 00" E	468 m
Liverpool, Farm 202 (see Farm Liverpool 202)	South Africa			
Livingstone	Zambia		17° 51' 00" S 25° 52' 00" E	3030 ft
Livingstone [1752S 2551E] and Lochinvar [1551S 2714E], between	Zambia			
Livingstone Cave	Botswana		24° 15' 00" S 25° 30' 00" E	
Livingstonia (see also: Kondowe, Livingstonia Mission)	Malawi		10° 36' 22" S 34° 06' 23" E	1276 m
Livingstonia Beach (hotel)	Malawi		13° 43' 00" S 34° 37' 00" E	480 m
Livingstonia Mission (see Livingstonia)	Malawi		10° 36' 22" S 34° 06' 23" E	1276 m
Liwale (see also: Livale, Liwale T.T.)	Tanzania		9° 46' 00" S 37° 56' 00" E	468 m
Liwale district	Tanzania		9° 30' 00" S 38° 00' 00" E	1900 ft
Liwale T.T. (see Liwale)	Tanzania		9° 46' 00" S 37° 56' 00" E	468 m
Liwonde (see also: Old Liwonde Boma)	Malawi		15° 04' 00" S 35° 13' 00" E	507 m
Liwonde Forest Reserve (see also: Liwonde National Park)	Malawi		14° 52' 00" S 35° 21' 00" E	700 m
Liwonde National Park (see Liwonde Forest Reserve)	Malawi		14° 52' 00" S 35° 21' 00" E	700 m
Liwonde National Park, Headquarters	Malawi		15° 02' 18" S 35° 15' 16" E	
Lizala (see Lisala)	Congo (Democratic Republic of the)		2° 09' 00" N 21° 31' 00" E	409 m
Loa, 20 mi N Nimule (see also: Nimule, 20 mi [=32 km] N)	South Sudan		3° 48' 00" N 31° 57' 00" E	785 m
Loa-Loa (rapids), on Lvindio river, near Makokou	Gabon		0° 32' 26" N 12° 51' 07" E	
Loango	Central African Republic			
Loango (see Luango)	Angola		6° 51' 00" S 13° 06' 00" E	258 m
Loangwa valley	Zambia		13° 10' 00" S 31° 30' 00" E	
Loanza mission (see Luanza mission)	Congo (Democratic Republic of the)		8° 42' 00" S 28° 42' 00" E	1132 m
Lobala, 12 km S, 4 km E	Cameroon			
Lobango (see also: Lubango)	Congo (Democratic Republic of the)		0° 19' 00" S 29° 13' 00" E	2197 m
Lobatse (see also: Lobatsi)	Botswana		25° 13' 00" S 25° 40' 00" E	1188 m
Lobatse town council	Botswana			
Lobatsi (see Lobatse)	Botswana		25° 13' 00" S 25° 40' 00" E	1188 m
Lobatsi [intermittent stream]	South Africa		25° 11' 00" S 25° 49' 00" E	
Lobatsi district	Botswana			
Lobatsi,Kornge Nature Reserve	Lobatsi,Kornge Nature Reserve			
Lobaye district (see Lobaye prefecture)	Central African Republic			
Lobaye prefecture (see also: Lobaye district)	Central African Republic			
Lobe	Cameroon			
Lobi	Congo (Democratic Republic of the)		4° 09' 40" N 23° 05' 31" E	
Lobira	South Sudan		4° 24' 21" N 33° 03' 23" E	675 m
Lobito Bay	Angola	ca.	12° 20' 00" S 13° 33' 00" E	
Lobo river	Equatorial Guinea	ca.	3° 20' 00" N 8° 40' 00" E	
Lochinvar (see Lochinvar National Park)	Zambia		15° 55' 00" S 27° 15' 00" E	
Lochinvar Kafue Flats	Zambia		15° 52' 00" S 27° 07' 00" E	
Lochinvar National Park (see also: Lochinvar, Lochinvar National Park No. 13, Lochinvar Ranch, Lonchinvar)	Zambia		15° 55' 00" S 27° 15' 00" E	

Lochinvar National Park No. 13 (see Lochinvar National Park)	Zambia		15° 55' 00" S 27° 15' 00" E	
Lochinvar Ranch (see Lochinvar National Park), Chunga	Zambia		15° 55' 00" S 27° 15' 00" E	
Lodé	Senegal		16° 10' 13" N 15° 17' 43" W	
Lodja (see also: Loja)	Congo (Democratic Republic of the)		3° 29' 00" S 23° 26' 00" E	450 m
Lodja territory	Congo (Democratic Republic of the)		3° 29' 00" S 23° 26' 00" E	
Lodwar	Kenya		3° 07' 00" N 35° 36' 00" E	477 m
Lodwar, 96 km W (see Loiya)	Kenya		2° 59' 19" N 35° 01' 52" E	
Lodwara	South Sudan		4° 11' 08" N 33° 07' 07" E	
Loelli (pools), 170 mi [=275 km] ENE Torit (see also: Torit, 275 km ENE)	South Sudan		5° 05' 00" N 34° 35' 00" E	
Lofa county	Liberia			
Lofi, 30 mi [=48 km] ESE Torit (see also: Torit, 30 mi [=48 km] ESE)	South Sudan		4° 14' 22" N 32° 59' 22" E	610 m
Lofoi [river]	Congo (Democratic Republic of the)		10° 13' 00" S 27° 25' 00" E	
Logirim, 30 mi [=48 km] ENE Torit (see also: Torit, 30 mi [=48 km] ENE)	South Sudan		4° 42' 58" N 33° 14' 33" E	639 m
Logogoto (see eLegogoto, mountain), Nelspruit	South Africa		25° 14' 00" S 31° 05' 00" E	
Logogotu (see eLegogoto, mountain), Nelspruit	South Africa		25° 14' 00" S 31° 05' 00" E	
Logone Occidental region	Chad			
Logone Oriental region	Chad			
Logwi, 25 mi [=40 km] SSE Torit (see also: Lokwi, Torit, 25 mi [=40 km] SSE)	South Sudan		4° 06' 28" N 32° 43' 14" E	1487 m
Lôh-Djiboua region	Côte d'Ivoire			
Loitokitok	Kenya			
Loiya, 96 km W Lodwar (see also: Lodwar, 96 km W)	Kenya		2° 59' 19" N 35° 01' 52" E	
Loiyangalani, 29 mi [=47 km] N	Kenya	ca.	3° 11' 19" N 36° 40' 50" E	
Loiyangalani, 6 km from (see El Molo island)	Kenya	ca.	2° 51' 00" N 36° 42' 00" E	
Loja (see Lodja)	Congo (Democratic Republic of the)		3° 29' 00" S 23° 26' 00" E	450 m
Loki	Sudan			
Lokiri	Kenya		3° 00' 00" N 35° 30' 00" E	
Lokko Town (see Russel Village)	Sierra Leone		8° 15' 00" N 13° 05' 00" W	50 m
Lokoja, 3.6 mi [=5.8 km] NW (see Filele)	Nigeria		7° 51' 06" N 6° 43' 27" E	
Lokomanyang Marsh, Ilemi triangle (see also: Lokomarinyang Marsh, Lokomorinyang, Morunyang)	South Sudan		4° 59' 00" N 34° 41' 00" E	
Lokomarinyang Marsh (see Lokomanyang Marsh), Ilemi triangle	South Sudan		4° 59' 00" N 34° 41' 00" E	
Lokomorinyang (see Lokomanyang Marsh), Ilemi Triangle	South Sudan		4° 59' 00" N 34° 41' 00" E	
Lokori	Kenya		1° 57' 06" N 36° 02' 09" E	582 m
Lokossa, 10 mi [=16 km] S	Benin	ca.	6° 29' 00" N 1° 47' 00" E	
Lokossa, S of	Benin	ca.	6° 38' 00" N 1° 43' 00" E	
Lokwi (see Logwi), 25 mi [=40 km] SSE Torit	South Sudan		4° 06' 28" N 32° 43' 14" E	1487 m
Lola prefecture	Guinea			
Lolabé	Cameroon		2° 40' 00" N 9° 51' 00" E	
Loldiani, mount (see Mount Loldiani)	Kenya		0° 06' 41" S 35° 43' 41" E	
Lollaisihr, Ol Doinyo (see Ngong Hills)	Kenya		1° 24' 00" S 36° 38' 00" E	
Lollaisir, Ol Doinyo (see Ngong Hills)	Kenya		1° 24' 00" S 36° 38' 00" E	
Lolodorf, on Lokoundgé river (see also: Lelodorf, Lolodrof)	Cameroon		3° 14' 00" N 10° 44' 00" E	412 m
Lolodorf, 20 mi [=32 km] N	Cameroon	ca.	3° 16' 00" N 10° 49' 00" E	
Lolodrof (see Lolodorf), on Lokoundgé river	Cameroon		3° 14' 00" N 10° 44' 00" E	412 m
Lolokwi, mount (see Oldoinyo Sabachi)	Kenya		0° 49' 41" N 37° 31' 56" E	
Lomagundi, Urungu river	Zimbabwe		16° 00' 00" S 30° 15' 00" E	
Lomami province (see also: Kabinda (former) district)	Congo (Democratic Republic of the)			
Lomati Gold Mine	Swaziland		25° 49' 15" S 31° 17' 40" E	520 m
Lombardy Willows, Pretoria	South Africa		25° 46' 00" S 28° 20' 00" E	
Lombé, near Douala-Edéa Game Reserve (see also: Lombe)	Cameroon		3° 38' 02" N 9° 59' 10" E	1 m
Lombe (see Lombé), Douala-Edéa Game Reserve, near	Cameroon		3° 38' 02" N 9° 59' 10" E	1 m
Lomé (see also: Lome)	Togo		6° 07' 55" N 1° 13' 22" E	63 m
Lome (see Lomé)	Togo		6° 07' 55" N 1° 13' 22" E	63 m
Lomera	Congo (Democratic Republic of the)		0° 07' 00" N 29° 35' 00" E	915 m
Lomié	Cameroon		3° 10' 00" N 13° 37' 00" E	611 m
Lomié district	Cameroon	ca.	3° 10' 00" N 13° 37' 00" E	
Lomié, 1 km ESE	Cameroon	ca.	3° 09' 00" N 13° 35' 00" E	
Lomié, 10 km SE	Cameroon		3° 09' 00" N 13° 34' 00" E	427 m
Lomié, 4 km from	Cameroon	ca.	3° 09' 00" N 13° 35' 00" E	

Lomié, 40 km N	Cameroon		3° 09' 00" N 13° 35' 00" E	
Lomnava	Togo		7° 31' 00" N 1° 08' 00" E	379 m
Lomo, 15 km E (see Assakra)	Côte d'Ivoire		6° 24' 00" N 4° 54' 00" W	193 m
Lonchinvar (see Lochinvar National Park)	Zambia		15° 55' 00" S 27° 15' 00" E	
Londiani	Kenya		0° 10' 00" S 35° 36' 00" E	2440 m
Londiani, mount (see also: Mount Londiani, Mount Ololdiani, Ololdiani, mount)	Kenya		0° 06' 00" S 35° 43' 00" E	
Londolozi Game Reserve, near Kruger National Park	South Africa		24° 47' 51" S 31° 29' 56" E	
Lone Star Ranch (see also: Malilangwe Conservancy)	Zimbabwe		21° 05' 00" S 31° 54' 00" E	
Long One Cave (see Farm Uitkomst 499), Krugersdorp	South Africa		25° 54' 00" S 27° 46' 00" E	
Longa (see Tanga)	Tanzania		5° 04' 00" S 39° 06' 00" E	0 m
Longairo, 20 mi [=32 km] SE Torit (see also: Torit, 20 mi [=32 km] SE)	South Sudan		4° 02' 25" N 32° 57' 21" E	1487 m
Longi (see Longji)	Cameroon		3° 04' 31" N 9° 58' 40" E	15 m
Longji (see also: Longi, Longuy, Longuyi)	Cameroon		3° 04' 31" N 9° 58' 40" E	15 m
Longoni	Mayotte		12° 44' 00" S 45° 10' 00" E	10 m
Longstead Farm, near Claridge	South Africa		29° 30' 47" S 30° 22' 17" E	
Longtoon dam	South Africa		22° 51' 00" S 31° 23' 00" E	
Longuy (see Longji)	Cameroon		3° 04' 31" N 9° 58' 40" E	15 m
Longuyi (see Longji)	Cameroon		3° 04' 31" N 9° 58' 40" E	15 m
Longuza North Forest Reserve	Tanzania		5° 04' 00" S 38° 41' 00" E	
Lonzo (see Loso)	Congo (Democratic Republic of the)		0° 08' 00" S 29° 36' 00" E	950 m
Loondo (see Liondo)	Congo (Democratic Republic of the)		0° 55' 00" S 22° 41' 00" E	416 m
Loondo Mugunga	Congo (Democratic Republic of the)		0° 42' 00" S 22° 41' 00" E	
Loperot, 16 km SW (see Akuryo waterhole, near)	Kenya	ca.	2° 12' 43" N 35° 45' 53" E	
Lopesa River (see Río Lopese)	Equatorial Guinea	ca.	3° 43' 41" N 8° 40' 51" E	
Lopese River (see Río Lopese)	Equatorial Guinea	ca.	3° 43' 41" N 8° 40' 51" E	
Lopesi River (see Río Lopese), near Malabo	Equatorial Guinea	ca.	3° 43' 41" N 8° 40' 51" E	
Lopesse River (see Río Lopese)	Equatorial Guinea	ca.	3° 43' 41" N 8° 40' 51" E	
Lopez, Cap (see also: Cap Lopez, Cape Lopez)	Gabon		0° 37' 00" S 8° 43' 00" E	
Loqutor, 25 mi [=40 km] ENE Torit (see also: Torit, 25 mi [=40 km] ENE)	South Sudan		4° 34' 53" N 32° 58' 20" E	
L'oriental region (see also: Oriental-Rif region |PC:OR|)	Morocco			
Lorini stream, Lire Payam, Romogi Boma	South Sudan		3° 55' 08" N 31° 38' 38" E	936 m
Lormarins, Paarl	South Africa		33° 53' 00" S 19° 03' 00" E	
Loroum province	Burkina Faso			
l'Orumbo, near Lamto	Côte d'Ivoire		6° 12' 00" N 4° 58' 00" W	
Los Tilos Nature Reserve (see Reserva Los Tilos)	Canary Islands (Spain)		28° 47' 39" N 17° 47' 55" W	
Losho (see Loso), near Tshango, Lake Edward	Congo (Democratic Republic of the)		0° 08' 00" S 29° 36' 00" E	950 m
Loskop (see Loskopdam Natuurreservaat), Witbank	South Africa		25° 26' 00" S 29° 18' 00" E	
Loskop Dam (see Loskopdam Natuurreservaat), Witbank	South Africa		25° 26' 00" S 29° 18' 00" E	
Loskop Dam Nature Reserve (see Loskopdam Natuurreservaat), Witbank	South Africa		25° 26' 00" S 29° 18' 00" E	
Loskop Dam Wall Inspection Tunnel (see Farm Vergelegen 80JS)	South Africa		25° 26' 00" S 29° 23' 00" E	
Loskop Windmill, 14 km N Lower Sabie (see also: Lower Sabie, 14 km N)	South Africa		24° 58' 00" S 31° 55' 00" E	
Loskop Windmill, 17 km N	South Africa		24° 58' 00" S 31° 55' 00" E	
Loskopdam Nature Reserve (see Loskopdam Natuurreservaat)	South Africa		25° 26' 00" S 29° 18' 00" E	
Loskopdam Natuurreservaat, Witbank (see also: Loskop, Loskop Dam, Loskop Dam Nature Reserve, Loskopdam Nature Reserve, Loskopdam Natuurreserwe)	South Africa		25° 26' 00" S 29° 18' 00" E	
Loskopdam Natuurreserwe (see Loskopdam Natuurreservaat), Witbank	South Africa		25° 26' 00" S 29° 18' 00" E	
Loso, near Tshango, Lake Edward (see also: Lonzo, Losho)	Congo (Democratic Republic of the)		0° 08' 00" S 29° 36' 00" E	950 m
Loster, Zeerust	South Africa		25° 52' 00" S 26° 54' 00" E	
Lotakamela	Congo (Democratic Republic of the)		0° 13' 34" S 21° 57' 10" E	508 m
Loteni Nature Reserve	South Africa		29° 28' 00" S 29° 31' 48" E	
Lotheni Nature Reserve, 45 km N of Himeville (see also: Himeville, 45 km N)	South Africa		29° 27' 00" S 29° 32' 00" E	1580 m
L'Oti (see Oti (River))	Togo		7° 48' 00" N 0° 08' 00" E	
Lotome	Uganda		2° 20' 04" N 34° 34' 10" E	1271 m

Lotry, Lake (see also: Lac Lotry)	Madagascar			
Lottering Forest Reserve, 10.3 km N, 34.7 km E Plettenberg Bay (see also: Plettenberg Bay, 10.3 km N, 34.7 km E)	South Africa		33° 57' 54" S 23° 44' 46" E	240 m
Lotti forest	South Sudan		4° 02' 00" N 32° 32' 00" E	
Loudima	Congo			
Loudima cave	Congo		4° 15' 00" S 13° 00' 00" E	
Louga region	Senegal			
Louga, 8 km E (see also: Luga, 8 km E)	Senegal		15° 37' 00" N 16° 13' 00" W	
Louis Trichardt	South Africa		23° 02' 38" S 29° 54' 12" E	
Louis Trichardt Road, Polokwane [=Pietersburg], 40 - 46 km N (see also: Pietersburg, 40 - 46 km N, Polokwane, 40 - 46 km N)	South Africa		23° 03' 00" S 29° 54' 00" E	954 m
Louis Trichardt to Thohoyandou, km 20 on road (see Farm Welgevonden 449)	South Africa		23° 32' 00" S 28° 26' 00" E	
Louis Trichardt, 16 km NW (see Buzzard Mountain Retreat)	South Africa		23° 02' 00" S 29° 46' 00" E	
Louis Trichardt, 5 km E	South Africa	ca.	23° 02' 20" S 29° 57' 43" E	
Louis Trichardt, 60 km W (see Farm Kudus Vlei)	South Africa		23° 03' 14" S 29° 29' 14" E	956 m
Louisvale	South Africa		28° 34' 00" S 21° 12' 00" E	802 m
Louisvale, 1 mi [=1.6 km] N	South Africa		28° 31' 59" S 21° 12' 00" E	
Louisvale, near	South Africa		28° 34' 00" S 21° 12' 00" E	2600 ft
Louksor (see Al Uqsur)	Egypt		25° 41' 00" N 32° 39' 00" E	76 m
Loulou (see also: Lulu)	Cameroon		4° 26' 00" N 12° 57' 00" E	
Lourenço Marques (see Maputo)	Mozambique		25° 57' 55" S 32° 35' 21" E	63 m
Lourenco Marques, 2 mi [=3.2 km] N	Mozambique		25° 57' 55" S 32° 35' 21" E	100 ft
Louw's Creek, Barberton (see also: Imperial mine, Lowes Creek)	South Africa		25° 38' 00" S 31° 17' 00" E	380 m
Louwsburg, 10 km NW (see Ithala Game Reserve)	South Africa		27° 33' 36" S 31° 12' 36" E	922 m
Louwsburg, 9 km NE	South Africa		27° 31' 00" S 31° 22' 00" E	
Lovanium university (see Kinshasa)	Congo (Democratic Republic of the)		4° 19' 47" S 15° 18' 54" E	240 m
Lovi Camp	Ghana		9° 27' 00" N 1° 58' 00" W	
Lovoi	Congo (Democratic Republic of the)		8° 48' 00" S 24° 50' 00" E	1126 m
Lowai, 25 mi [=40 km] W Torit	South Sudan		4° 24' 48" N 32° 12' 10" E	
Lower Egypt	Egypt			
Lower Ekona	Cameroon		4° 15' 00" N 9° 24' 00" E	
Lower Fiherenana Valley, near Ambovombe (see also: Ambovombe, near)	Madagascar	ca.	25° 10' 00" S 46° 05' 00" E	
LowerPC:JH|)	Somalia			
Lower Ogooué River (see Ogooué River, lower)	Gabon	ca.	1° 00' 00" S 9° 15' 00" E	
Lower River region	The Gambia			
Lower Sabi Camp (see Lower Sabie Rest Camp)	South Africa		25° 07' 00" S 31° 55' 00" E	
Lower Sabie (see Onder-Sabie)	South Africa		25° 07' 00" S 31° 55' 00" E	
Lower Sabie Rest Camp (see Onder-Sabie) (see also: Lower Sabi Camp)	South Africa		25° 07' 00" S 31° 55' 00" E	
Lower Sabie Rest Camp, 15 km SE	South Africa		25° 11' 50" S 32° 02' 00" E	
Lower Sabie Ruskamp (see Onder-Sabie)	South Africa		25° 07' 00" S 31° 55' 00" E	
Lower Sabie, 14 km N (see Loskop Windmill)	South Africa		24° 58' 00" S 31° 55' 00" E	
LowerPC:SH|)	Somalia			
Lower Uele province (see Bas Uele province)	Congo (Democratic Republic of the)			
Lowes Creek (see Louw's Creek), Barberton	South Africa		25° 38' 00" S 31° 17' 00" E	380 m
Lu river (see Du river)	Liberia	ca.	6° 14' 34" N 10° 32' 24" W	
Luabo	Mozambique		18° 23' 34" S 36° 06' 19" E	8 m
Luacano (see also: Dilõlo, Lago Dilõlo, Luakanu, Lucano)	Angola		11° 13' 30" S 21° 39' 43" E	1063 m
Luachi River (see also: Eastern Luachi, Luochi River)	Zambia		14° 59' 00" S 22° 27' 00" E	
Luachima River (see Rio Luachimo), near Dundo	Angola	ca.	7° 20' 00" S 20° 49' 00" E	
Luakanu (see Luacano)	Angola		11° 13' 30" S 21° 39' 43" E	1063 m
Luakela River (see also: Luakera River)	Zambia		11° 36' 00" S 24° 31' 00" E	
Luakera River (see Luakela River)	Zambia		11° 36' 00" S 24° 31' 00" E	
Luala I (see Ouallah I), along small river at east side of village	Comoro Islands		12° 19' 36" S 43° 39' 48" E	10 m
Luala I, near (see Ouallah I, near), along Akomodjou River	Comoro Islands		12° 19' 23" S 43° 40' 04" E	35 m
Luala II (see Ouallah II), primary school	Comoro Islands		12° 20' 41" S 43° 40' 15" E	35 m
Lualaba province	Congo (Democratic Republic of the)			

Lualaba River (see Mulongo)	Congo (Democratic Republic of the)		7° 50' 00" S 27° 00' 00" E	578 m
Lualeni Borehole (see Maktau)	Kenya		3° 24' 00" S 38° 08' 00" E	1171 m
Luambe (see also: Luambe Game Camp)	Zambia		12° 27' 00" S 32° 08' 00" E	
Luambe Game Camp (see Luambe)	Zambia		12° 27' 00" S 32° 08' 00" E	
Luanda (see also: São Paulo da Assunção de Luanda, São Paulo de Loanda, São Paulo de Luanda)	Angola		8° 50' 18" S 13° 14' 04" E	6 m
Luanda province	Angola			
Luango (see also: Loango)	Angola		6° 51' 00" S 13° 06' 00" E	258 m
Luangwa	Zambia		13° 07' 00" S 31° 45' 00" E	
Luangwa River	Zambia		13° 22' 30" S 31° 37' 30" E	
Luangwa River	Zambia		12° 45' 00" S 32° 05' 00" E	
Luangwa Valley	Zambia		13° 07' 30" S 31° 52' 30" E	3000 ft
Luanshya (see also: Luanshyo)	Zambia		13° 08' 00" S 28° 24' 00" E	1228 m
Luanshya district	Zambia		13° 00' 00" S 28° 20' 00" E	
Luanshya, 6 mi [=9.7 km] S (see also: Luanshyo, 6 mi [=9.7 km] S)	Zambia	ca.	13° 08' 00" S 28° 24' 00" E	ca. 1200 m
Luanshya, 6 mi S	Zambia		13° 07' 30" S 28° 22' 30" E	
Luanshyo (see Luanshya)	Zambia		13° 08' 00" S 28° 24' 00" E	1228 m
Luanshyo, 6 mi [=9.7 km] S (see Luanshya, 6 mi [=9.7 km] S)	Zambia	ca.	13° 08' 00" S 28° 24' 00" E	ca. 1200 m
Luanu	Congo (Democratic Republic of the)		5° 13' 00" S 19° 08' 00" E	
Luanza missie (see Luanza mission)	Congo (Democratic Republic of the)		8° 42' 00" S 28° 42' 00" E	1132 m
Luanza mission (see also: Loanza mission, Luanza missie, Mission de Luanza)	Congo (Democratic Republic of the)		8° 42' 00" S 28° 42' 00" E	1132 m
Luapula province	Zambia			
Luazomela	Kenya		0° 29' 00" N 37° 40' 00" E	
Luba (see also: Ciudad de Luba, San Carlos, San Carlos de Lubá)	Equatorial Guinea		3° 27' 24" N 8° 33' 17" E	181 m
Luba Bay (see Bahía de Luba)	Equatorial Guinea		3° 29' 11" N 8° 33' 51" E	
Luba to Malabo road	Equatorial Guinea			
Luba to Malabo road, km 14	Equatorial Guinea	ca.	3° 34' 00" N 8° 37' 00" E	
Luba, 3 km from	Equatorial Guinea	ca.	3° 27' 24" N 8° 33' 17" E	
Luba, near	Equatorial Guinea	ca.	3° 27' 24" N 8° 33' 17" E	
Lubango (see also: Sá da Bandeira)	Angola		14° 55' 00" S 13° 30' 00" E	1718 m
Lubango (see Lobango)	Congo (Democratic Republic of the)		0° 19' 00" S 29° 13' 00" E	2197 m
Lubango, 30 km N (see Tunda Vala gorge)	Angola	ca.	14° 49' 00" S 13° 23' 00" E	
Lubenge	Congo (Democratic Republic of the)		7° 30' 00" S 29° 59' 00" E	5650 ft
Lubengera (mission) (see Rubengera (mission))	Rwanda		2° 02' 58" S 29° 25' 34" E	
Luberezi (see Luberizi)	Congo (Democratic Republic of the)		2° 59' 00" S 29° 06' 00" E	957 m
Luberizi (see also: Luberezi)	Congo (Democratic Republic of the)		2° 59' 00" S 29° 06' 00" E	957 m
Lubombo region	Swaziland			
Lubondaie-Tshimbulu (see also: Lubondai-Tshimbulu)	Congo (Democratic Republic of the)		6° 34' 00" S 22° 39' 00" E	794 m
Lubondai-Tshimbulu (see Lubondaie-Tshimbulu)	Congo (Democratic Republic of the)		6° 34' 00" S 22° 39' 00" E	794 m
Lubudi (see also: Lubudi, large cave, Lubudi, small cave, Lusolo cave)	Congo (Democratic Republic of the)		9° 57' 00" S 25° 58' 00" E	1307 m
Lubudi, 30 km SW (see Kyantapo cave)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1525 m
Lubudi, large cave (see Lubudi)	Congo (Democratic Republic of the)		9° 57' 00" S 25° 58' 00" E	1307 m
Lubudi, small cave (see Lubudi)	Congo (Democratic Republic of the)		9° 57' 00" S 25° 58' 00" E	1307 m
Lubudi-Lusolo	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	
Lubuka cave (see also: Grotte de Lubuka, Lubuka grot)	Congo (Democratic Republic of the)		3° 12' 00" S 28° 51' 00" E	
Lubuka grot (see Lubuka cave)	Congo (Democratic Republic of the)		3° 12' 00" S 28° 51' 00" E	

Lubumbashi (see also: Elisabethstad, Elisabethville, Elizabethville, E'ville, Lumumbashi)	Congo (Democratic Republic of the)	11° 40' 00" S 27° 28' 00" E	1208 m
Lubumbashi, 30 km S (see Baya quarry)	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Lubumbashi, 68 km E	Congo (Democratic Republic of the)	11° 07' 00" S 28° 08' 00" E	
Lubumbashi, 69 km E (see Musonge)	Congo (Democratic Republic of the)	11° 28' 00" S 27° 52' 00" E	1183 m
Lubumbashi, 70 km E (see Mumena)	Congo (Democratic Republic of the)	11° 04' 00" S 28° 08' 00" E	
Lubutu	Congo (Democratic Republic of the)	0° 44' 00" S 26° 35' 00" E	669 m
Lubutu territory	Congo (Democratic Republic of the)	0° 44' 00" S 26° 35' 00" E	
Lubwe	Congo (Democratic Republic of the)	10° 42' 56" S 27° 22' 33" E	
Lucano (see Luacano)	Angola	11° 13' 30" S 21° 39' 43" E	1063 m
Luchoff, 16 mi [=25.7 km] S (see Luchoff, 16 mi [=25.7 km] S) (see also: Luchoff, 16 mi [=25.7 km] S)	South Africa	29° 52' 00" S 24° 49' 00" E	1233 m
Luckhoff	South Africa	29° 45' 00" S 24° 47' 00" E	1283 m
Lüderitz district	Namibia	25° 30' 00" S 16° 00' 00" E	
Luebo	Congo (Democratic Republic of the)	5° 21' 00" S 21° 25' 00" E	478 m
Luebo territory	Congo (Democratic Republic of the)	5° 36' 00" S 21° 25' 00" E	
Luem	Sudan		
Luena (see also: Luene, Luso, Luzo, Vila Luso, Vila Luzo, Vila Luzu, Villa Luso)	Angola	11° 47' 00" S 19° 55' 00" E	1291 m
Luena	Congo (Democratic Republic of the)	9° 26' 11" S 25° 47' 18" E	
Luene (see Luena)	Angola	11° 47' 00" S 19° 55' 00" E	1291 m
Lueti River, S	Zambia	15° 38' 00" S 22° 06' 00" E	
Lufa River	Congo (Democratic Republic of the)	4° 01' 33" N 29° 46' 03" E	
Lufira River, upper (see also: Lupufa River, near)	Congo (Democratic Republic of the)	ca. 10° 54' 27" S 26° 59' 42" E	
Lufu	Congo (Democratic Republic of the)	5° 40' 00" S 13° 53' 00" E	
Lufubu River, Kaputa	Zambia	8° 40' 00" S 29° 30' 00" E	1000 ft
Lufupa and Kafue rivers confluence	Zambia	14° 37' 04" S 26° 11' 29" E	
Lufupa Camp [Site 1]	Zambia	14° 36' 51" S 26° 11' 18" E	
Lufupa Camp [Site 2]	Zambia	14° 36' 56" S 26° 11' 27" E	1099 m
Lufupa Camp [Site 3]	Zambia	14° 36' 48" S 26° 11' 17" E	
Lufuu River (see Kafue River)	Zambia	15° 56' 00" S 28° 55' 00" E	
Luga, 8 km E (see Louga, 8 km E)	Senegal	15° 37' 00" N 16° 13' 00" W	
Lugala	Uganda	0° 11' 19" N 33° 53' 16" E	1137 m
Lugarama	Rwanda	1° 26' 00" S 30° 32' 00" E	
Lugerungjere river	Tanzania		
Lugoda Tea Estate, Uzungwa mountains	Tanzania	8° 35' 07" S 35° 15' 22" E	
Lugogodo (see eLegogoto, mountain), Nelspruit	South Africa	25° 14' 00" S 31° 05' 00" E	
Lugulu village, near, 8 km S Bombo (see also: Bombo, 8 km S)	Tanzania	4° 19' 48" S 38° 00' 00" E	1100 m
Luhiza Mine (see Ruhizha wolfram mine)	Uganda	1° 01' 53" S 29° 46' 42" E	2286 m
Luhohov (river), near Irangi reserve	Congo (Democratic Republic of the)	1° 30' 20" S 28° 05' 51" E	
Luiana Camp	Angola	17° 23' 00" S 23° 00' 00" E	974 m
Luica River (see Rio Luica), affluent of R. Cuango-Muqué, Alto Chicapa	Angola	10° 46' 00" S 19° 12' 00" E	ca. 1270 m
Luigi Razza (see Massah)	Libya	32° 45' 07" N 21° 37' 36" E	482 m
Luiko (see Lwiko)	Congo (Democratic Republic of the)	3° 05' 00" S 28° 47' 00" E	
Luimbale, 42 km WSW (see Moco, mount)	Angola	12° 30' 00" S 15° 10' 00" E	
Luipershoek, Roosenekal, near	South Africa	25° 08' 00" S 29° 50' 00" E	
Luiro (see also: Irsac labo, Labo Irsac, Lwiro, Lwiro Katana, Mwiru)	Congo (Democratic Republic of the)	2° 14' 24" S 28° 47' 50" E	5400 ft
Luisa (see Luiza territory)	Congo (Democratic Republic of the)	7° 12' 00" S 22° 25' 00" E	
Luiza territory (see also: Luisa)	Congo (Democratic Republic of the)	7° 12' 00" S 22° 25' 00" E	
Lujeri Tea Estate, Mulanje Forest Res, edge Lujeri Tea Estate, next to Ruo River	Malawi	15° 57' 42" S 35° 39' 15" E	1000 m

Lukafu	Congo (Democratic Republic of the)		10° 31' 00" S 27° 33' 00" E	930 m
Lukanga Swamp, West of Broken Hill	Zambia		14° 22' 47" S 27° 48' 19" E	
Lukatu cave (see Ntoto cave)	Congo (Democratic Republic of the)		6° 59' 00" S 29° 43' 00" E	827 m
Lukatu grot (see Ntoto cave)	Congo (Democratic Republic of the)		6° 59' 00" S 29° 43' 00" E	827 m
Lukemia Hill, near Nairobi	Kenya			
Lukenia	Kenya		1° 29' 00" S 37° 03' 00" E	1524 m
Lukenia hills (see Ulukenia hills), Athi plains	Kenya	ca.	1° 29' 00" S 37° 03' 00" E	
Lukenya hills (see Ulukenia hills), Athi plains	Kenya	ca.	1° 29' 00" S 37° 03' 00" E	
Lukenya, mount	Kenya		1° 28' 00" S 37° 03' 00" E	
Luki Biosphere Reserve	Congo (Democratic Republic of the)		5° 38' 24" S 13° 12' 30" E	
Luki Biosphere Reserve, Forest NE of	Congo (Democratic Republic of the)	ca.	5° 38' 24" S 13° 12' 30" E	
Lukobwe	Congo (Democratic Republic of the)		9° 05' 36" S 27° 12' 47" E	
Lukoga, Mahenge	Tanzania		9° 00' 00" S 37° 00' 00" E	
Lukoi River	Congo (Democratic Republic of the)			
Lukolela	Congo (Democratic Republic of the)		1° 03' 00" S 17° 12' 00" E	285 m
Lukolela, 4 mi from	Congo (Democratic Republic of the)	ca.	1° 03' 00" S 17° 12' 00" E	
Lukonga	Congo (Democratic Republic of the)		5° 48' 00" S 22° 37' 00" E	632 m
Lukonzolwa	Congo (Democratic Republic of the)		8° 47' 00" S 28° 39' 00" E	918 m
Lukore, Mkanda river	Kenya		4° 13' 00" S 39° 25' 00" E	
Lukore area	Kenya		4° 13' 00" S 39° 25' 00" E	
Luksor (see Al Uqsur)	Egypt		25° 41' 00" N 32° 39' 00" E	76 m
Lukula, Mayumbe area	Congo (Democratic Republic of the)		5° 23' 00" S 12° 57' 00" E	196 m
Lukula, 15 km W (see Bondo)	Congo (Democratic Republic of the)		5° 24' 00" S 12° 54' 00" E	
Lukulu	Congo (Democratic Republic of the)		7° 08' 00" S 27° 07' 00" E	573 m
Lukusuzi (see Lukusuzi National Park)	Zambia		12° 50' 00" S 32° 35' 00" E	
Lukusuzi Game Reserve (see Lukusuzi National Park)	Zambia		12° 50' 00" S 32° 35' 00" E	
Lukusuzi National Park (see also: Lukusuzi, Lukusuzi Game Reserve, Lukusuzi National Park No. 3)	Zambia		12° 50' 00" S 32° 35' 00" E	
Lukusuzi National Park No. 3 (see Lukusuzi National Park)	Zambia		12° 50' 00" S 32° 35' 00" E	
Lula	Congo (Democratic Republic of the)	ca.	7° 25' 00" S 22° 33' 00" E	
Lulenga (see Rugari)	Congo (Democratic Republic of the)		1° 24' 47" S 29° 22' 23" E	2089 m
Lulimba	Congo (Democratic Republic of the)		4° 41' 36" S 28° 37' 54" E	877 m
Lulimbi	Congo (Democratic Republic of the)		0° 28' 00" S 29° 39' 00" E	
Lulola-Kasanga (see also: Mulolo-Kisanga)	Congo (Democratic Republic of the)		3° 06' 00" S 26° 59' 00" E	
Lulu (see Loulou)	Cameroon		4° 26' 00" N 12° 57' 00" E	
Lulua (see Kananga)	Congo (Democratic Republic of the)		5° 53' 45" S 22° 25' 04" E	608 m
Lulua province (see Kasai Central province)	Congo (Democratic Republic of the)			
Luluabourg (see Kananga)	Congo (Democratic Republic of the)		5° 53' 45" S 22° 25' 04" E	608 m
Luluabourg, gorge	Congo (Democratic Republic of the)	ca.	5° 53' 00" S 22° 26' 00" E	
Luluaburg (see Kananga)	Congo (Democratic Republic of the)		5° 53' 45" S 22° 25' 04" E	608 m
Luluaburg, 50 km SW (see Kabwe)	Congo (Democratic Republic of the)		6° 12' 00" S 22° 23' 00" E	610 m
Lumane Falls, Matopo Hills	Zimbabwe		20° 37' 30" S 28° 52' 30" E	
Lumbindu	Cameroon			
Lumbira (see also: Langenburg, Old Langenburg, Rumbira)	Tanzania		9° 34' 00" S 34° 08' 00" E	476 m
Lumbo	Mozambique		15° 00' 38" S 40° 39' 59" E	0 m
Lumbwa (see also: Lumowa)	Kenya		0° 12' 00" S 35° 28' 00" E	2058 m

Lume river, near	Congo (Democratic Republic of the)	ca.	0° 15' 00" N 29° 35' 00" E	
Lumenda, near Lengwe National Park (see also: Lumenda village)	Malawi		16° 18' 00" S 34° 40' 00" E	
Lumenda village (see Lumenda)	Malawi		16° 18' 00" S 34° 40' 00" E	
Lumley Village, 10 km from Freetown (see also: Freetown, 10 km from, Pasandi)	Sierra Leone		8° 27' 14" N 13° 16' 57" W	0 m
Lumowa (see Lumbwa)	Kenya		0° 12' 00" S 35° 28' 00" E	2058 m
Lumumbashi (see Lubumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 26' 00" E	1209 m
Luna, Farm 61MS [=V.L.N.R.] (see Farm Luna 61MS [=V.L.N.R.]), 32 km NE Alldays	South Africa		22° 22' 00" S 29° 21' 00" E	
Lunare valley, Eastern Matopos	Zimbabwe		20° 36' 00" S 28° 52' 00" E	
Lunda Norte province	Angola			
Lunda Sul province	Angola			
Lundazi, Lundi River	Zambia		11° 30' 00" S 32° 30' 00" E	2000 ft
Lundjulu	Congo (Democratic Republic of the)		0° 20' 00" S 28° 36' 00" E	1300 m
Lunga (see West Lunga National Park)	Zambia		12° 45' 00" S 24° 45' 00" E	
Lunga Game Reserve (see West Lunga National Park)	Zambia		12° 45' 00" S 24° 45' 00" E	
Lunga Game Reserve No. 11 (see West Lunga National Park)	Zambia		12° 45' 00" S 24° 45' 00" E	
Lunga pontoon, Kasempa district	Zambia		13° 59' 00" S 26° 21' 00" E	1100 m
Lunhiu river, Balovale (see also: Lenhua, Rio , Linyuwe river, Lunyuwi river, Lunyuwi river)	Zambia		13° 19' 00" S 23° 13' 00" E	
Lunsar, 129 km from Freetown (see also: Freetown, 129 km from, Lansar)	Sierra Leone		8° 41' 00" N 12° 32' 00" W	52 m
Lunyuwi river (see Lunhiu river), Balovale	Zambia		13° 19' 00" S 23° 13' 00" E	
Lunyuwi river (see Lunhiu river), Balovale	Zambia		13° 19' 00" S 23° 13' 00" E	
Lunzi River, NE Rhodesia, Loangwa Valley, Lundazi district	Zimbabwe			
Lunzi river	Zambia		11° 38' 00" S 32° 42' 00" E	
Luochi River (see Luachi River)	Zambia		14° 59' 00" S 22° 27' 00" E	
Luofu	Congo (Democratic Republic of the)		0° 37' 00" S 29° 07' 00" E	1809 m
Luombwa River	Zambia		12° 30' 00" S 29° 55' 00" E	4000 ft
Lupufa River, near (see Lufira River, upper)	Congo (Democratic Republic of the)	ca.	10° 54' 27" S 26° 59' 42" E	
Luputa	Congo (Democratic Republic of the)		7° 10' 00" S 23° 42' 00" E	841 m
Luqsor (see Al Uqsur)	Egypt		25° 41' 00" N 32° 39' 00" E	76 m
Lurhogole Swamp area	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 28° 45' 00" E	
Luro cave, base camp	South Sudan		3° 54' 07" N 31° 41' 39" E	945 m
Lusaka	Zambia		15° 25' 00" S 28° 17' 00" E	1270 m
Lusaka province	Zambia		15° 25' 00" S 29° 00' 00" E	
Lusaka, 10 km NW (see Ngwerere cave)	Zambia		15° 19' 00" S 28° 19' 00" E	1280 m
Lusaka, 10 mi [=16 km] S (see Chilanga)	Zambia		15° 33' 00" S 28° 17' 00" E	1220 m
Lusaka, 14 mi [=22.5 km] NE (see Dzala Cave)	Zambia		15° 26' 00" S 28° 20' 00" E	
Lusaka, 18 mi [=29 km] S	Zambia		15° 40' 49" S 28° 17' 00" E	
Lusaka, 20 mi [=32 km] SW	Zambia		15° 37' 30" S 28° 07' 30" E	
Lusaka, 20 mi [=32 km] SW (see CE Ltd., cave)	Zambia		15° 37' 30" S 28° 07' 30" E	
Lusaka, 5 - 6 mi [=8 - 10 km] N-NE (see Kriel Farm)	Zambia	ca.	15° 19' 11" S 28° 19' 55" E	
Lusaka, 7 km W	Zambia		15° 25' 00" S 28° 06' 00" E	
Lusake, 6 mi [=9.7 km] NE	Zambia		15° 25' 00" S 28° 21' 00" E	
Lusambo (see also: Luzambo)	Congo (Democratic Republic of the)		4° 58' 00" S 23° 27' 00" E	397 m
Lusanga (see also: Leverstad, Leverville)	Congo (Democratic Republic of the)		4° 50' 00" S 18° 44' 00" E	307 m
Lusanga Mwanza	Congo (Democratic Republic of the)		5° 50' 00" S 13° 03' 00" E	
Lusano and KKK zone	Congo (Democratic Republic of the)			
Lushala	Congo (Democratic Republic of the)		2° 13' 00" S 28° 49' 00" E	
Lushoto district	Tanzania		4° 40' 00" S 38° 20' 00" E	
Lusikisiki	South Africa		31° 21' 43" S 29° 34' 24" E	508 m
Lusilubi valley	Congo (Democratic Republic of the)	ca.	0° 25' 10" N 29° 45' 51" E	
Lusinga	Congo (Democratic Republic of the)		8° 56' 00" S 27° 12' 00" E	
Lusingazi Game Camp	Zambia		13° 21' 00" S 31° 40' 00" E	
Lusiwashi valley	Zambia		13° 02' 00" S 30° 43' 00" E	
Luso (see Luena)	Angola		11° 47' 00" S 19° 55' 00" E	1291 m
Luso, 105 km E (see Calundo, Lake)	Angola		11° 43' 00" S 20° 48' 00" E	1150 m

Lusolo cave (see Lubudi)	Congo (Democratic Republic of the)		9° 57' 00" S 25° 58' 00" E	1307 m
Lusolo grot (see also: Grotte de Lusolo)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 28' 00" E	
Lusulu Tsetse Station, Sebungwe	Zimbabwe		18° 07' 00" S 27° 52' 00" E	
Lusumbwe (see Monkey Bay)	Malawi		14° 05' 00" S 34° 55' 00" E	496 m
Luta Nzige (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Lutembue River (see Lutembwa River), near Fort Jameson	Zambia		13° 40' 00" S 32° 45' 00" E	3800 ft
Lutembwa River, near Fort Jameson (see also: Lutembue River)	Zambia		13° 40' 00" S 32° 45' 00" E	3800 ft
Lutembwe, Luangwa Valley	Zambia		14° 22' 12" S 30° 22' 12" E	
Lutindi Forest Reserve	Tanzania		4° 52' 00" S 38° 38' 00" E	
Lutope and Sengwa Rivers confluence, Sengwe	Zimbabwe	ca.	18° 10' 00" S 28° 13' 00" E	
Lutore Forest	Kenya		4° 22' 00" S 39° 10' 00" E	152 m
Lutunguru	Congo (Democratic Republic of the)		0° 28' 12" S 28° 48' 46" E	1774 m
Lutzput, 12 km NW (see Farm Cnydas)	South Africa		28° 22' 00" S 20° 34' 00" E	
Luuka district	Uganda			
Luvhondo Private Nature Reserve	South Africa		23° 02' 24" S 29° 26' 24" E	1270 m
Luvungi	Congo (Democratic Republic of the)		2° 52' 00" S 29° 02' 00" E	887 m
Luvuvhu hippo pool, 2 km NW Simuwane Rangers Post, Wau West-bridge; 5 km W of bridge (see also: Levuhu Hippo pool, Levuvhu Hippopool, Simuwana ranger's post, 2 km NW , Wau West Bridge, 4 - 5 km W)	South Africa		22° 25' 51" S 31° 10' 51" E	
Luwawa Dam	Malawi		12° 07' 00" S 33° 44' 00" E	1700 m
Luwero district	Uganda			
Luwushi Stream	Zambia		10° 00' 00" S 33° 00' 00" E	5500 ft
Luxor (see Al Uqsur)	Egypt		25° 41' 00" N 32° 39' 00" E	76 m
Luxor, 16 km NE (see Khayzan)	Egypt		25° 41' 00" N 32° 24' 00" E	
Luxor, near	Egypt	ca.	25° 41' 00" N 32° 39' 00" E	
Luyengo	Swaziland		26° 32' 00" S 31° 14' 00" E	638 m
Luzambo (see Lusambo)	Congo (Democratic Republic of the)		4° 58' 00" S 23° 27' 00" E	397 m
Luzi banana plantation, near Rumphi?	Malawi		11° 49' 00" S 34° 02' 00" E	
Luzo (see Luena)	Angola		11° 47' 00" S 19° 55' 00" E	1291 m
Lwana River	Congo (Democratic Republic of the)	ca.	1° 56' 17" S 28° 28' 19" E	
Lwengo district	Uganda			
Lwiko (see also: Luiko)	Congo (Democratic Republic of the)		3° 05' 00" S 28° 47' 00" E	
Lwiro (see Luiro)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	5400 ft
Lwiro Katana (see Luiro)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	5400 ft
Lyantonde district	Uganda			
Lydenberg Fisheries (see Farm Sterkspruit 33JT)	South Africa		25° 06' 50" S 30° 28' 50" E	1450 m
Lydenberg Vissery (see Farm Sterkspruit 33JT)	South Africa		25° 06' 50" S 30° 28' 50" E	1450 m
Lydenburg, Lydenburg (see also: Lydenburg Krantz)	South Africa		25° 06' 00" S 30° 27' 00" E	1363 m
Lydenburg Fisheries (see Farm Sterkspruit 33JT), Lydenberg	South Africa		25° 06' 50" S 30° 28' 50" E	1450 m
Lydenburg Krantz (see Lydenburg), Lydenburg	South Africa		25° 06' 00" S 30° 27' 00" E	
Lydenburg, 80 km ENE	South Africa	ca.	24° 49' 00" S 30° 11' 00" E	ca. 539 m
Lynguère (see Linguère)	Senegal		15° 24' 00" N 15° 07' 00" W	2 m
Lynnwood (see also: Lywood)	South Africa		25° 45' 42" S 28° 16' 39" E	1341 m
Lynnwood Glen, Pretoria	South Africa		25° 45' 42" S 28° 16' 38" E	1341 m
Lywood (see Lynnwood)	South Africa		25° 45' 42" S 28° 16' 39" E	1341 m
M'Vaddi (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Maadi (see Al Ma'adi)	Egypt		29° 58' 00" N 31° 15' 00" E	
Ma'adi (see Al Ma'adi)	Egypt		29° 58' 00" N 31° 15' 00" E	
Ma'adi al Khabiri (see Al Ma'adi)	Egypt		29° 58' 00" N 31° 15' 00" E	
Ma'âdi el-Khabîri (see Al Ma'adi)	Egypt		29° 58' 00" N 31° 15' 00" E	
Ma'âdi el-Khahîri (see Al Ma'adi)	Egypt		29° 58' 00" N 31° 15' 00" E	
Maadi, 8 mi [=12.8 km] from (see Wadi Digla), 8 mi [=12.8 km] from Maadi (see also: Mount Nimba East)	Egypt		29° 58' 00" N 31° 18' 00" E	
Maale Atholhu Uthuruburi (see also: Atholhu, Maale Atoll, Male Atoll, North Male, North Male Atoll)	Maldive Islands		4° 25' 00" N 73° 30' 00" E	
Maale Atoll (see Maale Atholhu Uthuruburi)	Maldive Islands		4° 25' 00" N 73° 30' 00" E	
Ma'an, near Ebolowa	Cameroon		2° 22' 00" N 10° 38' 00" E	
Maasstroom, 1 km SSE (see Farm Al-te-ver 103)	South Africa		22° 46' 00" S 28° 28' 00" E	

Maasstroom, 24 km NW (see Mmabolela Estates [farmstead])	South Africa		22° 38' 00" S 28° 17' 00" E	
Mababe Flats	Botswana		18° 45' 00" S 24° 15' 00" E	
Mabalanta Camp	Zimbabwe		21° 40' 00" S 31° 45' 00" E	
Mabalauta Camp	Zimbabwe		21° 56' 00" S 31° 28' 00" E	
Mabali	Congo (Democratic Republic of the)		2° 20' 00" S 28° 50' 00" E	
Mabali, E coast Lake Tumba	Congo (Democratic Republic of the)		0° 55' 00" S 18° 09' 00" E	
Mabanga	Congo (Democratic Republic of the)		4° 22' 00" N 29° 47' 00" E	
Mabanza	Rwanda		2° 03' 15" S 29° 25' 00" E	1612 m
Mabaye (see Mabayi)	Burundi		2° 42' 30" S 29° 14' 35" E	1436 m
Mabaye, 10 km W (see Buhoro)	Burundi		2° 41' 55" S 29° 11' 08" E	1453 m
Mabayi (see also: Mabaye)	Burundi		2° 42' 30" S 29° 14' 35" E	1436 m
Mabeleapodi, 60 km W Sehithwa (see also: Mabeleapudi, Sehithwa, 60 km W, Sehitwa, 60 km W)	Botswana		22° 12' 47" S 26° 49' 59" E	
Mabeleapudi (see Mabeleapodi), 60 km W Sehithwa	Botswana		22° 12' 47" S 26° 49' 59" E	
Mabereni river	Congo (Democratic Republic of the)		3° 05' 00" N 29° 22' 00" E	
Mabetta (see Maneta), 5 km E Victoria	Cameroon		4° 01' 20" N 9° 17' 08" E	151 m
Mabil (see Koli)	Ethiopia		10° 26' 00" N 36° 52' 00" E	1626 m
Mabil, 10 km W (see Koli, 10 km W)	Ethiopia	ca.	10° 19' 00" N 36° 45' 00" E	
Mabira Forest	Uganda		0° 30' 00" N 32° 55' 00" E	
Maboya (see Maboyo)	Congo (Democratic Republic of the)		0° 19' 00" N 29° 20' 00" E	1374 m
Maboyo (see also: Maboya)	Congo (Democratic Republic of the)		0° 19' 00" N 29° 20' 00" E	1374 m
Mabu, mount (see also: Monte Mabu, Mount Mabu, Serra Mabu)	Mozambique		16° 16' 57" S 36° 22' 54" E	980 m
Mabura 1 Cave (see Ngondoma), Ngondoma River	Zimbabwe		18° 28' 00" S 29° 03' 00" E	
Mabura 2 Cave, Gokwe CL, Munyati River	Zimbabwe		18° 07' 00" S 29° 22' 00" E	
Mabutu (see Maputo)	Mozambique		25° 57' 55" S 32° 35' 21" E	63 m
Mabwe	Congo (Democratic Republic of the)		8° 39' 00" S 26° 31' 00" E	574 m
Mabwe river, East of Lake Upemba	Congo (Democratic Republic of the)		8° 42' 00" S 26° 29' 00" E	590 m
Macaco	Congo (Democratic Republic of the)		5° 28' 00" S 21° 10' 00" E	
Macalle (see Mek'ele)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Macambrará, Morro Palmira (see also: Makambrará, Pico Macambrara)	São Tomé and Principé		0° 16' 00" N 6° 38' 00" E	619 m
Macas Nguema (see Bioko island)	Equatorial Guinea		3° 30' 00" N 8° 42' 00" E	
MacCaPC:MC|)	The Gambia			
MacDougall's Tunnel (see Triangle Ranch)	Zimbabwe		21° 05' 00" S 31° 28' 00" E	
Macenta (see also: Magenta)	Guinea		8° 32' 46" N 9° 28' 10" W	598 m
Macenta prefecture	Guinea			
Macenta, 25 km NW (see Balouma area)	Guinea		8° 39' 00" N 9° 38' 00" W	609 m
Machaga caves	Tanzania		6° 17' 14" S 39° 24' 08" E	21 m
Machakos (see also: Masaku)	Kenya		1° 31' 00" S 37° 16' 00" E	1714 m
Machakos county	Kenya			
Machakos district	Kenya		2° 00' 00" S 37° 40' 00" E	
Machakos, 15 mi [=24 km] SE	Kenya		1° 40' 16" S 37° 25' 12" E	1829 m
Machakos, 15 mi [=24 km] SW	Kenya	ca.	1° 40' 00" S 37° 07' 00" E	1829 m
Machakos, mear	Kenya	ca.	1° 31' 00" S 37° 16' 00" E	1219 m
Machangulo Bay (see Maputo Bay)	Mozambique	ca.	25° 59' 00" S 32° 42' 00" E	
Machindzweni	South Africa		22° 21' 24" S 31° 11' 28" E	
Machinga district	Malawi			
Machiya ferry (see Makiya ferry)	Zambia		13° 42' 00" S 27° 36' 00" E	1115 m
Maclear, Milton	South Africa		30° 58' 00" S 28° 14' 00" E	
Macouguié (see Azaguié Makouguié)	Côte d'Ivoire		5° 37' 00" N 4° 10' 00" W	160 m
Macovane	Mozambique		21° 29' 20" S 35° 03' 23" E	0 m
Macovane, 27 km SW (see Nogochene caves)	Mozambique	ca.	21° 41' 00" S 34° 52' 00" E	
Macovane, ca 25 km SW	Mozambique	ca.	21° 30' 00" S 35° 03' 00" E	
Mactaris ruins (see Maktar ruins)	Tunisia		35° 51' 38" N 9° 12' 21" E	923 m
Madaba	Tanzania		8° 40' 00" S 37° 47' 00" E	391 m
Madagascar	Madagascar			
Madagascar, east coast	Madagascar			
Madahani [mission] (see Madehani [mission])	Tanzania		9° 21' 00" S 34° 02' 00" E	
Madara (see Marsá Matru?)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m

Madehani [mission] (see also: Madahani [mission])	Tanzania		9° 21' 00" S 34° 02' 00" E	
Madeira (Portugal)	Madeira (Portugal)		32° 44' 00" N 17° 00' 00" W	
Madeira Island	Madeira (Portugal)		32° 44' 00" N 17° 00' 00" W	
Madeleine, island(s) (see îles des Madeleines)	Senegal		14° 39' 13" N 17° 28' 16" W	
Maden Dam	South Africa		32° 44' 24" S 27° 17' 55" E	550 m
Madianna, Brufut, near (see also: Madianna)	The Gambia		13° 21' 12" N 16° 45' 47" W	6 m
Madianna (see Madianna), Brufut, near	The Gambia		13° 21' 12" N 16° 45' 47" W	6 m
Madikwe Game Reserve (see also: Farm 111KP (Kalkfontein), Farm Kalkfontein 111KP, Kalkfontein, Farm 111KP)	South Africa		24° 45' 58" S 26° 22' 15" E	
Madimao	Congo (Democratic Republic of the)		11° 40' 00" S 27° 29' 00" E	
Madimbo Military area, 98 km E Messina (see also: Messina, 98 km E)	South Africa		22° 18' 00" S 30° 52' 00" E	348 m
Madina (see Madina do Boé)	Guinea-Bissau		11° 45' 00" N 14° 13' 00" W	76 m
Madina Boé (see Madina do Boé)	Guinea-Bissau		11° 45' 00" N 14° 13' 00" W	76 m
Madina do Boé (see also: Boé, Madina, Madina Boé, Medina de Boa)	Guinea-Bissau		11° 45' 00" N 14° 13' 00" W	76 m
Madinani mountains, E of (see also: Mandinani mountains, E of)	Côte d'Ivoire	ca.	9° 37' 00" N 6° 57' 00" W	
Madinat Sabratah (see Sabratah)	Libya		32° 47' 31" N 12° 29' 05" E	6 m
Madinat Sabratah (see Sabratah)	Libya		32° 47' 31" N 12° 29' 05" E	6 m
Madinet el Faiyum (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Madirat al Abyar (see Al Abyar)	Libya		32° 11' 25" N 20° 35' 45" E	274 m
Maditobe Dam, 2.5 km NE Punda Maria, Mahogany Drive (see also: Maditobe Witsand Dam, Manditobe dam, Punda Maria, 2.5 km NE, Witsand Dam)	South Africa		22° 41' 00" S 31° 02' 00" E	
Maditobe Pan, 3 km NW Punda Maria (see also: Maditobepan, Punda Maria, 3 km NW)	South Africa		22° 41' 00" S 31° 02' 00" E	
Maditobe Witsand Dam (see Maditobe Dam), 2.5 km NE Punda Maria	South Africa		22° 41' 00" S 31° 02' 00" E	
Maditobepan (see Maditobe Pan), 3 km NW Punda Maria	South Africa		22° 41' 00" S 31° 02' 00" E	
Madiyana Camp, Niumi National Park	The Gambia		13° 33' 57" N 16° 31' 54" W	
Madlangula, hill, Ingwavuma	South Africa		26° 57' 00" S 32° 49' 00" E	
Maduni Dumela	Zimbabwe		19° 10' 00" S 26° 30' 00" E	
Madwaleni (see also: Mtubatuba, 18 mi [=29 km] N)	South Africa		28° 17' 37" S 32° 11' 19" E	
Madzeka hut	Malawi	ca.	15° 55' 00" S 35° 40' 00" E	
Maekel region (see also: Central (former) province |PC:MA|, Zoba Ma'akel province |PC:MA|)	Eritrea			
Maevatanana (see also: Maevetanana, Mavatanana, Mevatanana)	Madagascar		16° 57' 00" S 46° 50' 00" E	133 m
Maevetanana (see Maevatanana)	Madagascar		16° 57' 00" S 46° 50' 00" E	133 m
Mafeking, 5 km outside (see Mafikeng, 5 km outside)	South Africa		25° 52' 00" S 25° 39' 00" E	1252 m
Mafeteng district	Lesotho			
Mafi, island (see also: Île Mafi)	Congo (Democratic Republic of the)		0° 28' 20" N 25° 17' 00" E	
Mafia (see also: Sefwi Mafra)	Ghana		6° 27' 00" N 2° 56' 00" W	159 m
Mafia (see Assinie-Mafia)	Côte d'Ivoire		5° 07' 29" N 3° 16' 30" W	
Mafia island (see also: Chole Shamba, Tschole-Schamba, Tshole-Shamba)	Tanzania		7° 51' 14" S 39° 46' 49" E	
Mafia Marine Park	Tanzania		7° 59' 04" S 39° 40' 22" E	
Mafikeng, 5 km outside (see also: Mafeking, 5 km outside)	South Africa		25° 52' 00" S 25° 39' 00" E	1252 m
Mafinga Mountains	Zambia		9° 57' 00" S 33° 21' 00" E	1950 m
Mafinji camp	Tanzania		8° 36' 44" S 36° 28' 43" E	
Mafouta	Mafouta			
Magachi	Rwanda		1° 20' 00" S 30° 34' 00" E	
Magadi	Kenya		1° 54' 00" S 36° 17' 00" E	595 m
Magadi, 3 mi [=4.8 km] E Lake (see also: Lake Magadi, 3 mi [=4.8 km] E)	Kenya	ca.	1° 52' 00" S 36° 17' 00" E	
Magadi, 40 km W Lake (see Lake Magadi, 40 km W)	Kenya	ca.	1° 45' 27" S 35° 48' 31" E	762 m
Magadi, cave near Lake (see also: Lake Magadi, cave near)	Kenya	ca.	1° 52' 00" S 36° 17' 00" E	
Magadi, lake (see also: Lake Magadi)	Kenya		1° 52' 00" S 36° 17' 00" E	
Magadi, near	Kenya	ca.	1° 54' 00" S 36° 17' 00" E	2000 ft
Magadi, near Lake (see also: Lake Magadi, near)	Kenya	ca.	1° 52' 00" S 36° 17' 00" E	

Magadiscio (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Magador (see Essaouira)	Morocco		31° 30' 47" N 9° 46' 11" W	11 m
Magaliesberg	South Africa		25° 46' 00" S 27° 40' 00" E	1350 m
Magamba	Tanzania		5° 32' 00" S 38° 05' 00" E	1524 m
Magamba windmill, 18 km SE Punda Maria (see also: Punda Maria, 18 km SE)	South Africa		22° 25' 00" S 31° 11' 30" E	
Magan (see Natron, lake)	Tanzania		2° 25' 00" S 36° 00' 00" E	
Maganga, km 122 on Kisangani - Mambasa road (see also: Kisangani - Mambasa road, km 122, Mangangu)	Congo (Democratic Republic of the)		0° 51' 00" N 26° 22' 00" E	
Magangani	Sudan	ca.	12° 00' 00" N 34° 20' 00" E	
Magazine	Ghana	ca.	5° 50' 00" N 0° 05' 00" E	
Magazine, hill top near	Ghana	ca.	5° 50' 00" N 0° 05' 00" E	
Magenta (see Macenta)	Guinea		8° 32' 46" N 9° 28' 10" W	598 m
Mageta (see Mugeta)	Tanzania		1° 57' 00" S 34° 12' 00" E	1354 m
Maginda	Congo (Democratic Republic of the)		0° 49' 00" N 29° 54' 00" E	850 m
Mágoè (see also: Magüè, Mague Novo, Mague, new)	Mozambique		15° 48' 22" S 31° 45' 03" E	474 m
Magoe Velho (see also: Màgoé Velho, Mágué, Magüè Velho)	Mozambique		15° 41' 37" S 31° 40' 56" E	315 m
Màgoé Velho (see Magoe Velho)	Mozambique		15° 41' 37" S 31° 40' 56" E	315 m
Magoeskloof, Tzaneen	South Africa		23° 50' 00" S 30° 10' 00" E	
Magombe and Satemwa Tea Estates (see Thyolo, mount)	Malawi		16° 05' 00" S 35° 09' 00" E	
Magoye Forest Reserve (see also: Magoye research station)	Zambia		16° 00' 00" S 27° 40' 00" E	
Magoye research station (see Magoye Forest Reserve)	Zambia		16° 00' 00" S 27° 40' 00" E	
Magrein Copper Mine (see Akjoujt)	Mauritania		19° 45' 00" N 14° 23' 00" W	141 m
Magrotto Estate	Tanzania		5° 07' 00" S 38° 45' 00" E	
Magrotto Hill (see also: Magrotto mountains)	Tanzania		5° 07' 00" S 38° 45' 00" E	
Magrotto mountains (see Magrotto Hill)	Tanzania	ca.	5° 07' 00" S 38° 45' 00" E	
Magrotto Plantation	Tanzania		4° 56' 32" S 38° 21' 06" E	
Magude, 24 km SW	Mozambique		25° 10' 59" S 32° 31' 01" E	
Magude, 45 km SW (see Inhaca Island Research Station) (see also: Tete, 5 mi [=8 km] W)	Mozambique		22° 45' 21" S 32° 48' 19" E	
Magude-Mapulenguene	Mozambique		24° 56' 29" S 32° 32' 55" E	
Mague (New) Boroma	Mozambique		15° 49' 01" S 31° 43' 59" E	
Mágué (see Magoe Velho)	Mozambique		15° 41' 37" S 31° 40' 56" E	315 m
Magüè (see Mágoè)	Mozambique		15° 48' 22" S 31° 45' 03" E	474 m
Mague Novo (see Mágoè)	Mozambique		15° 48' 22" S 31° 45' 03" E	474 m
Magüè Velho (see Magoe Velho)	Mozambique		15° 41' 37" S 31° 40' 56" E	315 m
Mague, new (see Mágoè)	Mozambique		15° 48' 22" S 31° 45' 03" E	474 m
Maguga, Ekutikeni	Swaziland		26° 04' 56" S 31° 15' 07" E	
Maguga Dam	Swaziland		26° 04' 27" S 31° 15' 43" E	
Magurazino River	Zimbabwe		17° 45' 00" S 28° 27' 00" E	
Magwagwa Beach, Masembweni	Kenya		4° 07' 49" S 39° 36' 51" E	
Magwe, 35 mi [=56 km] SW Torit (see also: Torit, 35 mi [=56 km] SW)	South Sudan		4° 08' 17" N 32° 17' 01" E	858 m
Maha, 7 mi [=11.3 km] (see Tagonidert)	Morocco			
Mahabo	Madagascar		20° 23' 00" S 44° 40' 00" E	57 m
Mahafaly	Madagascar	ca.	24° 30' 00" S 44° 30' 00" E	
Mahagala	South Africa		22° 45' 36" S 30° 51' 28" E	
Mahagi (see also: Mahaji)	Congo (Democratic Republic of the)		2° 18' 00" N 30° 59' 00" E	1671 m
Mahagi Port, Lake Albert (see also: Mahaji Port)	Congo (Democratic Republic of the)		2° 09' 00" N 31° 14' 00" E	679 m
Mahagi territory	Congo (Democratic Republic of the)		2° 18' 00" N 30° 59' 00" E	
Mahajanga (see also: Majunga)	Madagascar		15° 43' 00" S 46° 19' 03" E	124 m
Mahajanga province	Madagascar			
Mahajanga, 274 km E (see Mandritsara, N of)	Madagascar		15° 49' 00" S 48° 49' 00" E	
Mahajanga, 97 km SE (see Tahiry Nanaharin' Ankarafantsika)	Madagascar		16° 09' 00" S 47° 02' 00" E	
Mahajanga, N of	Madagascar		15° 40' 05" S 46° 19' 19" E	
Mahaji (see Mahagi)	Congo (Democratic Republic of the)		2° 18' 00" N 30° 59' 00" E	1671 m
Mahaji Port (see Mahagi Port), Lake Albert	Congo (Democratic Republic of the)		2° 09' 00" N 31° 14' 00" E	679 m
Mahale Mountains National Park	Tanzania		6° 12' 22" S 29° 56' 55" E	
Mahamasina, 2 km W (see Ambahibe cave)	Madagascar		12° 58' 04" S 49° 07' 14" E	80 m
Mahamasina, 3 km NW (see Bat Cave)	Madagascar		12° 57' 23" S 49° 07' 05" E	80 m
Mahanoro	Madagascar			
Mahavelona (see also: Foulpointe)	Madagascar		17° 41' 00" S 49° 31' 00" E	0 m

Mahdia governorate	Tunisia			
Mahé (see Victoria)	Seychelle Islands		4° 37' 00" S 55° 27' 00" E	0 m
Mahe Island	Seychelle Islands		4° 40' 00" S 55° 28' 00" E	
Mahembane, 7 km N Punda Maria (see also: Punda Maria, 7 km N)	South Africa		22° 39' 00" S 31° 02' 00" E	
Mahenge, near Kilosa	Tanzania		8° 41' 00" S 36° 43' 00" E	1276 m
Mahenge district (see Ulanga district)	Tanzania		9° 00' 00" S 36° 40' 00" E	
Mahenge Scarp Forest Reserve	Tanzania		8° 37' 00" S 36° 43' 36" E	790 m
Mahi Adar des Ifothas, 40 km NE Anef, on Kidal Road (possibly in Mali rather than in Ghana ????)	Mahi Adar des Ifothas			
Mahiakalo Cave	Kenya		0° 14' 52" N 34° 54' 23" E	
Mahlanapeng	Lesotho		29° 37' 30" S 28° 37' 30" E	
Mahlangeni	South Africa		23° 38' 50" S 31° 08' 47" E	
Mahmouda, lake (see Ma?moûdé, lake)	Mauritania		16° 22' 01" N 7° 41' 45" W	
Ma?moûdé, lake (see also: Lac Mamoudé, Mahmouda, lake, Mamoudé, lake)	Mauritania		16° 22' 01" N 7° 41' 45" W	
Mahogany Drive, 2 km N Punda Milia (see also: Punda Milia, 2 km N)	South Africa		22° 40' 36" S 31° 01' 07" E	
Mahoma river, cave near	Uganda		0° 21' 39" N 30° 00' 06" E	6700 ft
Mahune site (see Gamafefe)	South Africa		24° 37' 05" S 27° 39' 08" E	
Mahysha cave (see Mahyusha cave)	Congo (Democratic Republic of the)		2° 13' 00" S 28° 50' 00" E	1480 m
Mahysha grot (see Mahyusha cave)	Congo (Democratic Republic of the)		2° 13' 00" S 28° 50' 00" E	1480 m
Mahyusa Cave (see Mahyusha cave)	Congo (Democratic Republic of the)		2° 13' 00" S 28° 50' 00" E	1480 m
Mahyusha cave (see also: Grotte de Katana, Grotte de Mahysha, Grotte de Mahyusha, Katana cave, Katana grot, Mahysha cave, Mahysha grot, Mahyusa Cave, Mahyusha grot)	Congo (Democratic Republic of the)		2° 13' 00" S 28° 50' 00" E	1480 m
Mahyusha grot (see Mahyusha cave)	Congo (Democratic Republic of the)		2° 13' 00" S 28° 50' 00" E	1480 m
Maidiguri (see Maiduguri)	Nigeria		11° 50' 42" N 13° 09' 36" E	294 m
Maidugari (see Maiduguri)	Nigeria		11° 50' 42" N 13° 09' 36" E	294 m
Maiduguri (see also: Maidiguri, Maidugari, Maiduguru)	Nigeria		11° 50' 42" N 13° 09' 36" E	294 m
Maiduguri, NE of	Nigeria	ca.	11° 50' 42" N 13° 09' 36" E	
Maiduguru (see Maiduguri)	Nigeria		11° 50' 42" N 13° 09' 36" E	294 m
Maidum (see Maydum pyramids)	Egypt		29° 22' 24" N 31° 10' 20" E	11 m
Maidum pyramids (see Maydum pyramids)	Egypt		29° 22' 24" N 31° 10' 20" E	11 m
Maïlao	Chad		11° 34' 59" N 15° 16' 53" E	273 m
Main Camp, Gazankulu	South Africa		24° 38' 00" S 31° 28' 00" E	
Main Camp	Zimbabwe		18° 37' 30" S 26° 52' 30" E	
Mainaro	Uganda		0° 21' 27" N 30° 23' 13" E	
Mai-Ndombe province	Congo (Democratic Republic of the)			
Mai-Ndombe, lake (see also: Lac Léopold II, Lake Leopold II, Lake Mai-Ndombe, Leopold 2nd, lake, Leopold II meer, Leopold II, lake)	Congo (Democratic Republic of the)		2° 05' 05" S 18° 20' 21" E	
Maintirano, 42 km NE (see Andrafiavelo)	Madagascar		17° 46' 00" S 44° 13' 00" E	75 m
Maio (see Vila do Maio)	Cape Verde		15° 08' 00" N 23° 13' 00" W	4 m
Maio island	Cape Verde		15° 15' 00" N 23° 10' 00" W	
Maitland Mines, 20 mi [=32 km] W Port Elisabeth (see also: Port Elisabeth, 20 mi [=32 km] W)	South Africa		33° 59' 12" S 25° 17' 48" E	
Mai-ya-Moto (see May ya Moto)	Congo (Democratic Republic of the)		0° 14' 00" N 29° 43' 00" E	950 m
Maiyanga (see also: Mianga, road)	Nigeria		9° 24' 00" N 8° 54' 00" E	1370 m
Majastre	Mauritius			
Majastri	Mauritius			
Maji Mata (see Maji Ya Moto)	Kenya		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Mota (see Maji Ya Moto)	Kenya		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Moto (see Maji Ya Moto), 3 mi W Lake Harrington [=Lake Bogoria]	Kenya		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Moto, 3 mi [=4.8 km] W (see Maji Ya Moto, 3 mi [=4.8 km] W)	Kenya	ca.	0° 16' 00" N 36° 03' 00" E	1067 m
Maji Ya Moto (see also: Hannington, 3 mi [=4.8 km] W Lake, Lake Bogoria, 3 mi [=4.8 km] W, Lake Hannington, 3 mi [=4.8 km] W, Maji Mata, Maji Mota, Maji Moto)	Kenya		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Ya Moto, 3 mi [=4.8 km] W (see also: Maji Moto, 3 mi [=4.8 km] W)	Kenya	ca.	0° 16' 00" N 36° 03' 00" E	

Majumba (see Mayombe area)	Congo		4° 30' 00" S 12° 30' 00" E	
Majunga (see Mahajanga)	Madagascar		15° 43' 00" S 46° 19' 03" E	124 m
Maka, Banks of the Lualaba; Haut Lomami or Tanganyika province	Congo (Democratic Republic of the)		8° 56' 00" S 26° 04' 00" E	
Maka (see Makka)	The Gambia		13° 42' 00" N 14° 53' 00" W	11 m
Makaia N'Tete	Congo (Democratic Republic of the)		5° 33' 00" S 13° 02' 00" E	
Makala	Congo (Democratic Republic of the)		0° 33' 00" N 27° 45' 00" E	634 m
Makalali	South Africa		23° 59' 00" S 31° 50' 00" E	
Makalali Farm, Gazankulu	South Africa		24° 09' 00" S 30° 42' 00" E	
Makalali, Farm (see Farm Makalali), Letaba	South Africa		24° 09' 00" S 30° 42' 00" E	
Makale (see Mek'ele)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Makalia Falls	Kenya		0° 29' 29" S 36° 04' 54" E	1842 m
Makalle (see Mek'ele)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Makalowa	Zimbabwe			
Makamba	Burundi		4° 08' 05" S 29° 48' 18" E	1472 m
Makamba province	Burundi			
Makambrará (see Macambrará)	São Tomé and Principé		0° 16' 00" N 6° 38' 00" E	619 m
Makandara Forest	Kenya	ca.	4° 15' 00" S 39° 23' 00" E	
Makandara picnic site, Kwale, 8 km W	Kenya		4° 15' 00" S 39° 23' 00" E	
Makangazi	Tanzania			
Makapan cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Makapans Valley (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Makapansgat Historic Cave (see Farm Makapansgat 39), Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Makapansgat, Farm 39 (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Makarazi	Tanzania			
Makarinkari, near	Botswana			
Makatini Flats	South Africa		27° 15' 00" S 32° 13' 00" E	
Makatini Flats, 20 mi [=32 km] E	South Africa	ca.	27° 14' 33" S 32° 21' 27" E	
Makatini Research Village Pongola River, Maputuland	South Africa	ca.	27° 15' 00" S 32° 13' 00" E	
Makaw	Congo (Democratic Republic of the)		3° 29' 00" S 18° 19' 00" E	315 m
Makayova river	Congo (Democratic Republic of the)		0° 43' 00" N 29° 43' 00" E	750 m
Makayova river, lower	Congo (Democratic Republic of the)		0° 43' 00" N 29° 43' 00" E	750 m
Make	Congo (Democratic Republic of the)		4° 36' 00" S 15° 10' 00" E	
Makendo (see Makindu)	Kenya		2° 17' 00" S 37° 49' 00" E	1070 m
Makengo, on Kwango river	Congo (Democratic Republic of the)		4° 46' 00" S 16° 19' 00" E	611 m
Makeni	Sierra Leone		8° 53' 00" N 12° 03' 00" W	92 m
Makeni Farm, Lusaka, near	Zambia		15° 31' 00" S 28° 10' 00" E	
Makere, lower Tana river (see also: Makeri)	Kenya		1° 20' 55" S 40° 00' 19" E	80 m
Makerere	Uganda		0° 20' 00" N 32° 34' 00" E	1193 m
Makerere Hill	Uganda		0° 19' 00" S 32° 35' 00" E	
Makeri (see Makere), lower Tana river	Kenya		1° 20' 55" S 40° 00' 19" E	80 m
Makindu (see also: Makendo)	Kenya		2° 17' 00" S 37° 49' 00" E	1070 m
Makindu cave	Kenya		2° 17' 00" S 37° 49' 00" E	1070 m
Makindu river, 177 km E Nairobi (see also: Nairobi, 177 km E)	Kenya		2° 09' 25" S 37° 54' 25" E	975 m
Makindu, 13 km NW	Kenya		2° 14' 00" S 37° 46' 00" E	
Makindu, 16 km NW	Kenya		2° 12' 00" S 37° 44' 00" E	
Makindu, 19 km NW	Kenya		2° 18' 00" S 37° 40' 00" E	
Makindu, 19 km W	Kenya		2° 18' 00" S 37° 40' 37" E	1000 m
Makindu, 35 km E	Kenya	ca.	2° 18' 00" S 37° 00' 00" E	975 m
Makindu, near, 192 km E Nairobi (see also: Nairobi, 192 km E)	Kenya		2° 18' 00" S 37° 50' 00" E	1200 m
Makindu, Upper cave	Kenya		2° 17' 00" S 37° 49' 00" E	1585 m
Makisabo (see also: Makisabu)	Congo (Democratic Republic of the)		0° 24' 00" N 29° 36' 00" E	950 m
Makisabu (see Makisabo)	Congo (Democratic Republic of the)		0° 24' 00" N 29° 36' 00" E	950 m
Makiya ferry (see also: Machiya ferry)	Zambia		13° 42' 00" S 27° 36' 00" E	1115 m
Makka, 2 mi N Kuntaur (see also: Kuntaur, 2 mi [=3.2 km] N, Maka)	The Gambia		13° 42' 00" N 14° 53' 00" W	11 m
Mako	Senegal		12° 51' 00" N 12° 21' 00" W	

Makoa	Tanzania			
Makoa Caves	Tanzania			
Makob	Gabon		0° 40' 34" N 12° 54' 43" E	
Mako-Camp	Senegal		12° 50' 00" N 12° 20' 00" W	
Makokou, Lower Ivindo (see also: Makokou Fortifié)	Gabon		0° 34' 00" N 12° 52' 00" E	308 m
Makokou and Bélinga, between	Gabon	ca.	0° 57' 41" N 13° 03' 22" E	
Makokou Fortifié (see Makokou)	Gabon		0° 34' 00" N 12° 52' 00" E	308 m
Makokou, 10 km SW (see Ipassa-Mpassa station)	Gabon	ca.	0° 34' 00" N 12° 52' 00" E	
Makokou, 96 km E (see Batoala)	Gabon		0° 48' 00" N 13° 26' 00" E	489 m
Makokou, near	Gabon	ca.	0° 34' 26" N 12° 51' 51" E	
Makonguine (see Azaguié Makouguié)	Côte d'Ivoire		5° 37' 00" N 4° 10' 00" W	160 m
Makorou, 25 km N (see Badingua)	Central African Republic		7° 30' 00" N 19° 35' 00" E	
Makoyeti Gorge	Kenya		1° 22' 00" S 36° 50' 00" E	
Makpe (see also: Makpe river, upper)	Congo (Democratic Republic of the)		4° 20' 00" N 29° 34' 00" E	
Makpe river, upper (see Makpe)	Congo (Democratic Republic of the)		4° 20' 00" N 29° 34' 00" E	
Maktar ruins, under large baths of the southeast (see also: Mactaris ruins, Makthar ruins)	Tunisia		35° 51' 38" N 9° 12' 21" E	923 m
Maktau (see also: Lualeni Borehole, Mwakitau)	Kenya		3° 24' 00" S 38° 08' 00" E	1171 m
Maktau, 50 mi [=80 km] S (see also: Moctow, 50 mi [=80 km] S)	Kenya	ca.	3° 24' 00" S 38° 08' 00" E	
Makthar ruins (see Maktar ruins)	Tunisia		35° 51' 38" N 9° 12' 21" E	923 m
Makueni (see also: Makueni Boma)	Kenya		1° 48' 00" S 37° 37' 00" E	1218 m
Makueni Boma (see Makueni)	Kenya		1° 48' 00" S 37° 37' 00" E	1218 m
Makueni county	Kenya			
Makueni district	Kenya			
Makulakulu (see Mukulakulu)	Congo (Democratic Republic of the)		9° 33' 00" S 25° 47' 00" E	828 m
Makullo (see Makulo)	Tanzania		4° 09' 00" S 34° 45' 00" E	1533 m
Makulo (see also: Makullo)	Tanzania		4° 09' 00" S 34° 45' 00" E	1533 m
Makulu, mount, 15 km S Lusaka (see also: Mount Makulu)	Zambia		15° 33' 00" S 28° 11' 00" E	
Makupana cave, Pretoriuskop	South Africa	ca.	25° 09' 00" S 31° 12' 00" E	
Makurdi (see also: Makurdu)	Nigeria		7° 44' 28" N 8° 30' 44" E	103 m
Makurdu (see Makurdi)	Nigeria		7° 44' 28" N 8° 30' 44" E	103 m
Makuri pan, 9 km W, Bushmanland	Namibia		19° 41' 00" S 20° 39' 00" E	
Makurupini River	Zimbabwe	ca.	19° 55' 00" S 33° 01' 00" E	
Makuto Mountains (see Makutu Mountains)	Zambia		10° 25' 00" S 33° 15' 00" E	2070 m
Makutu Mountains (see also: Makuto Mountains)	Zambia		10° 25' 00" S 33° 15' 00" E	2070 m
Makuya (see Mkundi)	Tanzania		6° 19' 00" S 37° 23' 00" E	536 m
Malaba (see Malabo)	Equatorial Guinea		3° 45' 04" N 8° 44' 31" E	0 m
Malabigambo Forest	Uganda		0° 57' 07" S 31° 38' 25" E	
Malabo (see also: Ciudad de Malabo, Malaba, Port Clarence, Rev Malebo, Santa Isabel)	Equatorial Guinea		3° 45' 04" N 8° 44' 31" E	0 m
Malabo International Airport (10 km from Malabo)	Equatorial Guinea		3° 45' 28" N 8° 42' 57" E	0 m
Malabo International Airport (6 km from Malabo)	Equatorial Guinea		3° 45' 28" N 8° 42' 57" E	
Malabo International Airport (7 km from Malabo)	Equatorial Guinea	ca.	3° 45' 28" N 8° 42' 57" E	
Malabo to Basilé road, km 1	Equatorial Guinea	ca.	3° 43' 00" N 8° 47' 00" E	
Malabo to Luba road, km 10 (see Basupú)	Equatorial Guinea		3° 43' 00" N 8° 41' 04" E	112 m
Malabo to Luba road, km 13	Equatorial Guinea	ca.	3° 40' 58" N 8° 39' 17" E	
Malabo to Luba road, km 15	Equatorial Guinea	ca.	3° 39' 30" N 8° 38' 33" E	
Malabo to Luba road, km 20 (see Río Bosao), Rio Apu	Equatorial Guinea	ca.	3° 31' 51" N 8° 35' 58" E	
Malabo to Luba road, km 21 (see Río Apú)	Equatorial Guinea	ca.	3° 31' 15" N 8° 35' 23" E	
Malabo to Luba road, km 3 (see Río Timbabé)	Equatorial Guinea	ca.	3° 44' 11" N 8° 45' 09" E	
Malabo to Luba road, km 40	Equatorial Guinea	ca.	3° 32' 43" N 8° 36' 12" E	
Malabo to Luba road, km 42	Equatorial Guinea	ca.	3° 32' 43" N 8° 36' 12" E	
Malabo to Luba road, km 5 (see Vievenda de Mera, plantation)	Equatorial Guinea		3° 43' 00" N 8° 44' 00" E	
Malabo to Riaba road	Equatorial Guinea			
Malabo to Riaba road, km 1	Equatorial Guinea	ca.	3° 44' 41" N 8° 48' 43" E	
Malabo to Riaba road, km 10	Equatorial Guinea	ca.	3° 41' 52" N 8° 54' 00" E	
Malabo to Riaba road, km 14	Equatorial Guinea	ca.	3° 40' 30" N 8° 54' 40" E	
Malabo to Riaba road, km 2	Equatorial Guinea	ca.	3° 44' 09" N 8° 49' 40" E	
Malabo to Riaba road, km 3 (see Río Ericorico)	Equatorial Guinea	ca.	3° 44' 10" N 8° 49' 34" E	
Malabo to Riaba road, km 4 (see Río Togecha)	Equatorial Guinea		3° 45' 00" N 8° 49' 00" E	
Malabo to Riaba road, km 5	Equatorial Guinea	ca.	3° 44' 09" N 8° 49' 47" E	
Malabo, Basilé, San Fernando cave	Equatorial Guinea		3° 45' 00" N 8° 47' 00" E	107 m

Malabo, ca. 7 km from (see Sampaka river)	Equatorial Guinea	ca.	3° 44' 41" N 8° 44' 16" E	
Malacus	Mozambique		21° 52' 30" S 33° 22' 30" E	
Malakal	South Sudan		9° 32' 13" N 31° 39' 22" E	276 m
(see also: Malakal)				
Malakal (see Malakal)	South Sudan		9° 32' 13" N 31° 39' 22" E	276 m
Malakal, 4 mi [=6.4 km] N	South Sudan		9° 39' 18" N 31° 37' 32" E	
Malakal, 50 mi [= 80 km] N	South Sudan		10° 15' 00" N 31° 48' 59" E	
Malako River, Ntui, 5 km N	Cameroon		4° 27' 00" N 11° 37' 00" E	
(see also: Ntui, 5 km N)				
Malakoff	Comoro Islands		11° 38' 00" S 43° 19' 00" E	
Malalane area (see Malelane area)	South Africa		25° 29' 00" S 31° 31' 00" E	
Malalotja Cottage	Swaziland		26° 08' 00" S 31° 07' 00" E	
Malamfatori	Nigeria		13° 25' 00" N 13° 20' 00" E	
Malandje (see Malandji)	Congo (Democratic Republic of the)		5° 56' 22" S 22° 17' 57" E	608 m
Malandji	Congo (Democratic Republic of the)		5° 56' 22" S 22° 17' 57" E	608 m
(see also: Malandje, Malanji)				
Malanga (River)	Cameroon			
Malange (see Malanje)	Angola		9° 32' 41" S 16° 20' 43" E	1155 m
Malange district	Angola			
Malanje	Angola		9° 32' 41" S 16° 20' 43" E	1155 m
(see also: Malange)				
Malanje province	Angola			
Malanji (see Malandji)	Congo (Democratic Republic of the)		5° 56' 22" S 22° 17' 57" E	608 m
Malanville	Benin		11° 52' 07" N 3° 23' 24" E	252 m
(see also: Mallanville)				
Malanville district	Benin			
Malapati Game Reserve	Zimbabwe		21° 55' 49" S 31° 23' 46" E	
(see also: Malapati Safari Area)				
Malapati Nuanetsi River	Zimbabwe		22° 04' 00" S 31° 26' 00" E	
Malapati Safari Area (see Malapati Game Reserve)	Zimbabwe		21° 55' 49" S 31° 23' 46" E	
Malashane cave, 39.1 km W Inhassoro, < 2 km from Chihalatan cave	Mozambique		21° 40' 05" S 34° 50' 49" E	
(see also: Inhassano, 39.1 km W)				
Malata, Farm (see Farm Malata)	South Africa		23° 59' 00" S 31° 50' 00" E	
Malawi	Malawi			
Malawi, lake (see Nyasa, lake)	Malawi		12° 00' 00" S 34° 30' 00" E	1500 ft
Maldachi	Maldachi			
Maldive Islands	Maldive Islands			
Male Atoll (see Maale Atholhu Uthuruburi)	Maldive Islands		4° 25' 00" N 73° 30' 00" E	
Malealea	Lesotho		29° 51' 00" S 27° 34' 00" E	1847 m
Malebo Pool (see Stanley Pool)	Congo		4° 11' 22" S 15° 26' 19" E	
Malela, near Boma	Congo (Democratic Republic of the)		5° 59' 00" S 12° 37' 00" E	2 m
Malelane	South Africa		25° 29' 00" S 31° 31' 00" E	271 m
(see also: Malelane Estate, Malelane Old Mine Shaft)				
Malelane area	South Africa		25° 29' 00" S 31° 31' 00" E	
(see also: Malalane area)				
Malelane Estate (see Malelane), Barberton district	South Africa		25° 29' 00" S 31° 31' 00" E	271 m
Malelane Old Mine Shaft (see Malelane)	South Africa		25° 29' 00" S 31° 31' 00" E	271 m
Malelane Ranger's Post, 2 km W, on N Bank Crocodile River	South Africa		25° 29' 00" S 31° 31' 00" E	
(see also: Crocodile River)				
Malelane Rangers Quarters	South Africa		25° 28' 38" S 31° 30' 41" E	
Malelane, 11 km ENE	South Africa	ca.	25° 22' 17" S 31° 32' 55" E	
Malelane, 18 km S (see Schoemans Farm "Laughing Waters")	South Africa	ca.	25° 39' 05" S 31° 32' 45" E	
Malelane, 7 mi [=11 km] SW	South Africa	ca.	25° 33' 17" S 31° 28' 08" E	
Maleli	Congo (Democratic Republic of the)		4° 20' 00" N 29° 37' 00" E	
Malema (Camp)	Malawi		10° 01' 39" S 33° 56' 50" E	
Malembe, in the south of the Walikale Territory	Congo (Democratic Republic of the)	ca.	1° 26' 00" S 28° 04' 00" E	
Maleme Valley, Matopo Hills	Zimbabwe		20° 50' 00" S 28° 43' 00" E	
Malen I	Cameroon		3° 21' 00" N 12° 53' 00" E	639 m
(see also: Malene I village)				
Malende Swamp area	Cameroon		4° 21' 00" N 9° 26' 00" E	ca. 50 m
Malene I village (see Malen I)	Cameroon		3° 21' 00" N 12° 53' 00" E	639 m
Malensons Shingwidzi Game Reserve (see Shingwidzi Game Reserve)	South Africa		23° 11' 00" S 31° 14' 00" E	
Malfacassa (see Malfakassa)	Togo		9° 10' 00" N 0° 58' 00" E	
Malfakassa	Togo		9° 10' 00" N 0° 58' 00" E	
(see also: Malfacassa)				
Mali	Mali			

Mali prefecture	Guinea			
Malibali Hide (see Bube pan)	South Africa		27° 37' 58" S 32° 11' 03" E	94 m
Malibali pan (see Bube pan), 15 km E Mkuzi village	South Africa		27° 37' 58" S 32° 11' 03" E	94 m
Malikisi Caves, on Malikisi river	Kenya	ca.	0° 37' 00" N 34° 13' 00" E	
Malilangwe Conservancy (see Lone Star Ranch)	Zimbabwe		21° 05' 00" S 31° 54' 00" E	
Malili	Congo (Democratic Republic of the)		4° 13' 00" N 29° 32' 00" E	
Malimba	Gabon		2° 09' 00" S 10° 41' 00" E	
Malindi	Tanzania		4° 37' 00" S 38° 18' 00" E	1626 m
Malindi	Kenya		3° 13' 00" S 40° 07' 00" E	0 m
Malindi district	Kenya			
Malindi, 105 km N (see Kanawa)	Kenya		2° 20' 00" S 40° 05' 00" E	12 m
Malindi, 30 mi [=48 km] N	Kenya		2° 46' 00" S 40° 08' 00" E	
Malindi, ca 19 km from	Kenya		3° 14' 00" S 40° 08' 00" E	
Malindini	Tanzania			
Malingongo	Congo (Democratic Republic of the)		0° 44' 00" N 29° 40' 00" E	800 m
Malingwe Pan	[Southern Africa]			
Malitube Dam, ca. 2 km N Punda Maria	South Africa		22° 40' 39" S 31° 02' 12" E	
Malkerns	Swaziland		26° 34' 12" S 31° 09' 00" E	
Mallable	Somalia		2° 12' 00" N 45° 37' 00" E	5 m
Mallanville (see Malanville)	Benin		11° 52' 07" N 3° 23' 24" E	252 m
Mallo and Mora, farm, Borabuopé River, near Malabo (see also: Finca de Mayo, Finca de Mora, Finca Mallo, Finca Mayo, Finca Mora, Mallo plantation, Patio Viuda de Mora)	Equatorial Guinea		3° 45' 00" N 8° 50' 00" E	
Mallo plantation (see Mallo and Mora, farm), Borabuopé river, near Malabo	Equatorial Guinea		3° 45' 00" N 8° 50' 00" E	
Malmesbury, 13 km NE (see Farm Modderfontein)	South Africa		33° 25' 00" S 18° 51' 00" E	
Malolotja Game Reserve (see also: Malolotja Nature Reserve)	Swaziland		26° 08' 00" S 31° 08' 00" E	
Malolotja Nature Reserve (see Malolotja Game Reserve)	Swaziland		26° 08' 00" S 31° 08' 00" E	
Maloma Primary School	Swaziland		27° 01' 00" S 31° 39' 00" E	350 m
Malondo Village, 2 km W (see Mkwikane cave)	Cameroon			
Malosa	Malawi		15° 12' 00" S 35° 20' 00" E	900 m
Malta	Malta			
Malta, Farm (see Farm Narina), 19 km W Letaba	South Africa		24° 10' 00" S 30° 14' 00" E	
Maltahöhe district	Namibia		25° 00' 00" S 16° 30' 00" E	
Maltahohe, 110 km WSW (see Gorrasis)	Namibia			400 m
Maltahohe, 70 km W (see Farm Zwartmodder 101)	Namibia		24° 54' 00" S 16° 17' 00" E	
Malulu	Congo (Democratic Republic of the)		0° 32' 00" N 29° 35' 00" E	
Malut (see also: Melut)	South Sudan		10° 26' 00" N 32° 12' 00" E	362 m
Malve, Serenje district	Zimbabwe			
Malvern	South Africa		29° 53' 00" S 30° 55' 00" E	179 m
Mamakibetro forest (see Forêt de Mamakibetro)	Madagascar	ca.	18° 27' 13" S 44° 42' 57" E	
Mambabwanga Hill (see Batala's Village), 30 mi W Beni	Congo (Democratic Republic of the)		0° 30' 00" N 29° 15' 00" E	1000 m
Mambaka	Congo (Democratic Republic of the)		0° 51' 00" N 27° 33' 00" E	
Mambasa territory	Congo (Democratic Republic of the)		1° 21' 00" N 29° 03' 00" E	
Mambéré-Kadéï prefecture	Central African Republic			
Mambila mountains (see Mambila Plateau)	Nigeria	ca.	6° 32' 00" N 11° 22' 00" E	
Mambila Plateau (see also: Mambila mountains, Monts Mambila, Monts Mambila Songola, Monts Ribao, Ribao-Berge, Songola)	Nigeria	ca.	6° 32' 00" N 11° 22' 00" E	
Mambilla Plateau	Nigeria		6° 31' 00" N 11° 22' 00" E	
Mamfe (see also: Ossidinge, Ossidingi)	Cameroon		5° 46' 00" N 9° 17' 00" E	459 m
Mamfe	Ghana		5° 55' 59" N 0° 07' 00" W	424 m
Mamfe, 12 km SE	Cameroon	ca.	5° 47' 00" N 9° 18' 00" E	
Mamfe, 15 km SE	Cameroon	ca.	5° 40' 15" N 9° 22' 45" E	
Mamitantely (see Manantantely)	Madagascar		24° 59' 00" S 46° 55' 00" E	175 m
Mamono, 150 mi [=240 km] S (see also: Mamuno, 150 mi [=240 km] S)	Botswana			
Mamou	Guinea		10° 23' 00" N 12° 05' 00" W	737 m
Mamou prefecture	Guinea			
Mamoudé, lake (see Ma?moûdé, lake)	Mauritania		16° 22' 01" N 7° 41' 45" W	
Mampon (see Mampong), Lakeside	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
Mampon Asante (see Mampong), Lakeside	Ghana		7° 04' 00" N 1° 24' 00" W	385 m

Mampong, Lakeside (see also: Mampon, Mampon Asante, Mapon, MomPort)	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
Mamudioma	Congo (Democratic Republic of the)		0° 40' 00" N 29° 38' 00" E	1000 m
Mamuno, 150 mi [=240 km] S (see Mamono, 150 mi [=240 km] S)	Botswana			
Man department	Côte d'Ivoire			
Man O'War Bay, near Victoria	Cameroon		3° 57' 30" N 9° 13' 00" E	139 m
Mana Bridge (see Mana Suspension Bridge)	Cameroon		5° 00' 28" N 8° 52' 17" E	
Mana Pools Camp (see Nyamepi Camp)	Zimbabwe		15° 43' 00" S 29° 22' 00" E	
Mana Pools Game Reserve (see Mana Pools Parks and Wildlife Land)	Zimbabwe		15° 44' 00" S 29° 21' 00" E	365 m
Mana Pools National Park (see Mana Pools Parks and Wildlife Land)	Zimbabwe		15° 44' 00" S 29° 21' 00" E	365 m
Mana Pools National Park, HQ	Zimbabwe		15° 43' 00" S 29° 10' 00" E	
Mana Pools Parks and Wildlife Land (see also: Mana Pools Game Reserve, Mana Pools National Park)	Zimbabwe		15° 44' 00" S 29° 21' 00" E	365 m
Mana Suspension Bridge (see also: Mana Bridge)	Cameroon		5° 00' 28" N 8° 52' 17" E	
Manaba	South Africa		27° 16' 00" S 32° 25' 00" E	
Manafiafy, 2 - 3 km NW (see Sainte-Luce Forest (1))	Madagascar		24° 47' 00" S 47° 12' 00" E	20 m
Manafiafy, 4 km SSE (see Sainte-Luce Forest (2))	Madagascar		24° 49' 00" S 47° 10' 00" E	20 m
Manafwa district	Uganda			
Manahy, 0.75 km SW (see Tahiry Manokan' i Kirindy)	Madagascar		20° 52' 04" S 43° 54' 27" E	5 m
Manamabato (see Manambato)	Madagascar		24° 31' 00" S 47° 16' 00" E	25 m
Manambaro, 5 - km SE (see Petriky Forest)	Madagascar		25° 04' 01" S 46° 52' 59" E	20 m
Manambato (see also: Manamabato)	Madagascar		24° 31' 00" S 47° 16' 00" E	25 m
Manambolo Forest (see Forêt de Manambolo)	Madagascar	ca.	22° 08' 58" S 47° 01' 25" E	
Mananara	Madagascar	ca.	24° 43' 00" S 47° 05' 00" E	
Mananaro	Madagascar			
Mananjary	Madagascar			
Manantanely Forest, 8 - 12 km WNW Tolagnaro (see also: Tolagnaro, 8 - 12 km WNW)	Madagascar		24° 59' 00" S 46° 54' 00" E	60 m
Manantantely (see also: Mamitantely)	Madagascar		24° 59' 00" S 46° 55' 00" E	175 m
Manantantely, falls, 5.2 km NW Tolagnaro (see also: Cascade de Manantantely, Tolagnaro, 5.2 km NW)	Madagascar		24° 59' 21" S 46° 55' 22" E	65 m
Manantenina	Madagascar		24° 17' 00" S 47° 19' 00" E	2 m
Manantenina, 14 km N by road, On road to Mararoy	Madagascar		24° 10' 01" S 47° 21' 00" E	
Manantenina, 6 km N (see Analalava Forest)	Madagascar		24° 12' 00" S 47° 16' 00" E	ca. 20 m
Manchester Gardens (see Vumba National Park)	Zimbabwe		19° 05' 00" S 32° 45' 00" E	
Manchester National Park (see Vumba National Park)	Zimbabwe		19° 05' 00" S 32° 45' 00" E	
Manda island (see also: Nanga island)	Kenya		2° 16' 29" S 40° 57' 37" E	
Mandala	Malawi		15° 47' 00" S 34° 59' 00" E	997 m
Mandala Camp (see Mandala School), Choma district	Zambia		16° 31' 00" S 25° 56' 00" E	
Mandala School, Choma district (see also: Mandala Camp)	Zambia		16° 31' 00" S 25° 56' 00" E	
Mandena Forest	Madagascar		24° 58' 01" S 47° 01' 59" E	20 m
Mandeni (see Mandini)	South Africa		29° 08' 00" S 31° 24' 00" E	
Mandera county	Kenya			
Mandera district	Kenya		3° 30' 00" N 40° 45' 00" E	
Mandiana prefecture	Guinea			
Mandima	Congo (Democratic Republic of the)	ca.	1° 21' 00" N 29° 03' 00" E	
Mandinani mountains, E of (see Madinani mountains, E of)	Côte d'Ivoire	ca.	9° 37' 00" N 6° 57' 00" W	
Mandingues Mountains Reserve	Mali	ca.	12° 30' 32" N 8° 39' 20" W	
Mandini (see also: Mandeni, Mandini Station, Umzumgwenya Nature Reserve)	South Africa		29° 08' 00" S 31° 24' 00" E	
Mandini Station (see Mandini)	South Africa		29° 08' 00" S 31° 24' 00" E	
Mandini, 8.5 km S (see Harold Johnson Nature Reserve)	South Africa		29° 12' 00" S 31° 25' 36" E	
Mandisha (see Mandishah) (see also: Bakkari, Minshat al Bakkari, Minshât el-Bakkâri)	Egypt		28° 21' 00" N 28° 55' 00" E	122 m
Mandishah (see also: Mandisha)	Egypt		28° 21' 00" N 28° 55' 00" E	122 m
Manditobe dam (see Maditobe Dam), Punda Maria, Mahogany Drive	South Africa		22° 41' 00" S 31° 02' 00" E	
Mandoul region	Chad			
Mandri (see Mundri), 100 mi. NW of Juba, 500 mi. E of Wau	South Sudan		5° 24' 00" N 30° 15' 00" E	580 m

Mandritsara, N of, 274 km E Mahajanga (see also: Mahajanga, 274 km E)	Madagascar		15° 49' 00" S 48° 49' 00" E	
Mandromondromotra River (see Tolanaro, 13 km NE)	Madagascar		25° 01' 00" S 47° 00' 00" E	
Manengouba mountains (see also: Manenguba mountains, Mont Manengouba, Mount Manengouba)	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	ca. 1000 m
Manengouba, lake (see also: Manenguba, lake)	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	
Manenguba mountains (see Manengouba mountains)	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	ca. 1000 m
Manenguba, lake (see Manengouba, lake)	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	
Manera	Ethiopia	ca.	6° 54' 00" N 36° 42' 00" E	
Manera forest	Ethiopia		6° 54' 00" N 36° 42' 00" E	1220 m
Maneta, 5 km E Victoria (see also: Mabetta, Victoria, 5 km E)	Cameroon		4° 00' 00" N 9° 15' 00" E	
Mang	Cameroon		3° 20' 00" N 14° 02' 00" E	608 m
Manga Forest Reserve	Tanzania		5° 01' 00" S 38° 46' 00" E	110 m
Mangadyane Koppies, near Ngirivane	South Africa		24° 18' 18" S 31° 39' 42" E	
Mangala (see Mongalla), 25 mi [=37.5 km] N Gondokoro	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Mangamba [Big Farm]	Cameroon		5° 30' 00" N 9° 00' 00" E	
Mangamitsano, cave, near RN12, between Bambao and Col de Patsi (see also: Grotte de Mangamitsano, Mangamitsano, grotte de)	Comoro Islands		12° 11' 22" S 44° 28' 40" E	260 m
Mangamitsano, grotte de (see Mangamitsano, cave), near RN12, between Bambao and Col de Patsi	Comoro Islands		12° 11' 22" S 44° 28' 40" E	260 m
Mangangachi, Kilwa	Tanzania		9° 00' 00" S 39° 30' 00" E	
Mangangu (see Maganga)	Congo (Democratic Republic of the)		0° 51' 00" N 26° 22' 00" E	
Mangapwani (see also: Mungopani)	Tanzania		6° 00' 00" S 39° 11' 00" E	
Mángari, 5 km N (see Mungari, 5 km N)	Mozambique	ca.	17° 10' 00" S 33° 33' 00" E	ca. 500 m
Mangbwelu river	Congo (Democratic Republic of the)		0° 21' 00" N 29° 44' 00" E	1300 m
Mango (see Sansanné-Mango)	Togo		10° 21' 33" N 0° 28' 15" E	134 m
Mangoche (see Mangochi), District HQ	Malawi		14° 28' 00" S 35° 16' 00" E	469 m
Mangochi, District HQ (see also: Fort Johnston, Mangoche, Mponda)	Malawi		14° 28' 00" S 35° 16' 00" E	469 m
Mangochi district	Malawi			
Mangochi Hill (see also: Mangochi mountatin)	Malawi		14° 28' 00" S 35° 29' 00" E	
Mangochi mountatin (see Mangochi Hill)	Malawi		14° 28' 00" S 35° 29' 00" E	
Mangochi, 5 mi [=8 km] below (see Ufudu village)	Malawi	ca.	14° 28' 00" S 35° 16' 00" E	
Mangola, SW Oldeami (see also: Mongola)	Tanzania		3° 26' 00" S 35° 25' 00" E	1394 m
Manguémé (see Mengémé Village)	Cameroon		3° 15' 00" N 11° 24' 00" E	591 m
Mangula	Tanzania		7° 50' 52" S 36° 52' 02" E	350 m
Manguzi village, Maputa (see also: Maputa)	South Africa		26° 59' 00" S 32° 45' 00" E	60 m
Manhiça (see also: Vila da Manhiça)	Mozambique		25° 24' 08" S 32° 48' 26" E	57 m
Manhinga River (see Manyinga River)	Zambia		13° 28' 00" S 24° 21' 00" E	
Manho Forest (see also: Manhoe Forest)	Mozambique		15° 22' 09" S 37° 03' 41" E	
Manhoe Forest (see Manho Forest)	Mozambique		15° 22' 09" S 37° 03' 40" E	
Mani cave or Nkela cave or Mbumba-Nsi (see also: Grotte de Mani ou grotte de Nkela de Mbumba-Nsi, Mani grot of Nkela grot van Mbumba-Nsi)	Congo (Democratic Republic of the)		5° 22' 00" S 14° 32' 00" E	
Mani grot of Nkela grot van Mbumba-Nsi (see Mani cave or Nkela cave or Mbumba-Nsi)	Congo (Democratic Republic of the)		5° 22' 00" S 14° 32' 00" E	
Manica province	Mozambique			
Manica, 10 km N (see also: Vila de Manica, 10 km N)	Mozambique		18° 50' 00" S 32° 57' 00" E	
Manicaland province	Zimbabwe			
Maniema province	Congo (Democratic Republic of the)			
Manigri (see also: Kani)	Benin		8° 58' 21" N 1° 43' 27" E	309 m
Manimba, mount (see Nimba, mount)	Liberia		7° 33' 47" N 8° 27' 54" W	
Maninday, 220 km NE Tulear (see also: Tulear, 220 km NE)	Madagascar		22° 47' 00" S 44° 48' 00" E	604 m
Maninday, near	Madagascar	ca.	22° 47' 00" S 44° 48' 00" E	457 m
Maninga River (see Manyinga River)	Zambia		13° 28' 00" S 24° 21' 00" E	
Maningi, 35 mi [=56 km] downstream from Garissa (see also: Garissa, 35 mi [=56 km] downstream)	Kenya		0° 52' 00" S 39° 54' 00" E	
Manjakatompo	Madagascar			

Manjakatompo (see Manjakatompo-Firaisana)	Madagascar		19° 20' 00" S 47° 26' 00" E	1552 m
Manjakatompo-Firaisana (see also: Manjakatompo, Mongakatompo, Monjakatompo)	Madagascar		19° 20' 00" S 47° 26' 00" E	1552 m
Manjasi High School, Tororo	Uganda		0° 40' 00" N 34° 12' 00" E	
Manjoni (see Manyoni)	Tanzania		5° 45' 00" S 34° 50' 00" E	1276 m
Mankesim (see also: Mankesin, Mankessim, Nankasi)	Ghana		5° 16' 00" N 1° 01' 00" W	74 m
Mankesim, near (see also: Mankesin, vicinity of)	Ghana	ca.	5° 16' 00" N 1° 01' 00" W	ca. 75 m
Mankesin (see Mankesim)	Ghana		5° 16' 00" N 1° 01' 00" W	74 m
Mankesin, vicinity of (see Mankesim, near)	Ghana	ca.	5° 16' 00" N 1° 01' 00" W	ca. 75 m
Mankessim (see Mankesim)	Ghana		5° 16' 00" N 1° 01' 00" W	74 m
Mano river (see also: Mono)	Liberia		7° 30' 00" N 10° 57' 00" W	
Manono (see also: Manono Katanga)	Congo (Democratic Republic of the)		7° 18' 00" S 27° 25' 00" E	664 m
Manono Katanga (see Manono)	Congo (Democratic Republic of the)		7° 18' 00" S 27° 25' 00" E	664 m
Manor Gardens	South Africa		29° 51' 53" S 30° 58' 32" E	
Manouba governorate (see also: Manubah governorate |PC:MN|)	Tunisia			
Manovo	Central African Republic		8° 07' 00" N 21° 07' 00" E	654 m
Manovo-Gounda-St.Floris National Park	Central African Republic			
Manqalah (see Mongalla)	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Mansa - Lubumbashi, between (see also: Fort Roseberry - Lubumbashi, between, Mbila - Lubumbashi, between, Roseberry - Lubumbashi, between)	Zambia		11° 11' 00" S 28° 53' 00" E	
Mansia Valley (see Mansiya Valley)	South Africa	ca.	28° 03' 00" S 32° 05' 00" E	
Mansiya, near Hluhluwe-Imfolozi Park	South Africa		28° 02' 13" S 32° 02' 57" E	
Mansiya Valley (see also: Mansia Valley)	South Africa	ca.	28° 03' 00" S 32° 05' 00" E	
Mansôa (see also: Mansoa, Porto Mansoa)	Guinea-Bissau		12° 04' 24" N 15° 19' 08" W	3 m
Mansoa (see Mansôa)	Guinea-Bissau		12° 04' 24" N 15° 19' 08" W	3 m
Mansôa [1204N 1519W] or Pitche [12 20 N 13 57 W]	Guinea-Bissau			
Mansôa [1204N 1519W], Contubo-el [1222N 1434W] or Pitche [1220N 1357W]	Guinea-Bissau			
Mantadia National Park (see Parc National de Mantadia), between PK 9 and PK 10	Madagascar		18° 48' 56" S 48° 25' 38" E	
Mantuma Camp, 15 km E Mkuzi village	South Africa		27° 35' 46" S 32° 13' 03" E	103 m
ManubPC:MN|)	Tunisia			
Manuel Jorge River, cave along (see Fundo de Igresa valley)	São Tomé and Principé		0° 16' 50" N 6° 38' 02" E	
Manxeba waterhole (see Manxeba windmill)	South Africa		22° 24' 00" S 31° 14' 00" E	
Manxeba windmill (see also: Manxeba waterhole, Maxeba windmill)	South Africa		22° 24' 00" S 31° 14' 00" E	
Manyambara, 10 mi [=16 km] N Alaska Mine (see also: Alaska Mine, 10 mi [=16 km] N)	Zimbabwe		17° 00' 00" S 29° 30' 00" E	
Manyangu Forest Reserve, 8 km N, 3 km W Mhonda (see also: Mhonda, 8 km N, 3 km W)	Tanzania		6° 02' 50" S 37° 32' 50" E	1000 m
Manyara region	Tanzania			
Manyara, Lake (see also: Lake Manyara)	Tanzania		3° 35' 00" S 35° 50' 00" E	
Manyeleti Game Reserve (see Manyeletiwildtuin), Gazankulu	South Africa		24° 37' 48" S 31° 37' 48" E	
Manyeletiwildtuin, Gazankulu (see also: Manyeleti Game Reserve)	South Africa		24° 37' 48" S 31° 37' 48" E	
Manyima River	Zimbabwe		16° 03' 00" S 30° 21' 00" E	
Manyinga River (see also: Manhinga River, Maninga River)	Zambia		13° 28' 00" S 24° 21' 00" E	
Manyoni (see also: Manjoni)	Tanzania		5° 45' 00" S 34° 50' 00" E	1276 m
Manyowa Hill (see also: Mitsidi)	Malawi			
Manzala East	Egypt		31° 10' 00" N 31° 56' 00" E	
Manzala, lake (see Lake Manzala), 10 mi S Port Said	Egypt		31° 17' 00" N 32° 18' 00" E	
Manzamnyama River (see Nata River)	Botswana	ca.	20° 14' 00" S 26° 10' 00" E	
Manzengwenya Forest Station (see Manzengwenya Plantation), Lake Sibaya	South Africa		27° 15' 00" S 32° 44' 00" E	
Manzengwenya Plantation, Lake Sibaya (see also: Manzengwenya Forest Station)	South Africa		27° 15' 00" S 32° 44' 00" E	
Manzil Tamim (see Menzel Temime)	Tunisia		36° 46' 56" N 10° 59' 15" E	38 m

Manzil Tamim (see Menzel Temime)	Tunisia		36° 46' 56" N 10° 59' 15" E	38 m
Manzini region	Swaziland			
Manzituba	Zimbabwe		17° 43' 00" S 27° 51' 00" E	
Maol (see Oti (River))	Togo		7° 48' 00" N 0° 08' 00" E	
Maole (see Oti (River))	Togo		7° 48' 00" N 0° 08' 00" E	
Maore Island (Fr.) (see Mayotte Island (Fr.))	Mayotte			
Mapelana (see also: Mapelane)	South Africa		28° 24' 00" S 32° 25' 00" E	
Mapelane (see Mapelana)	South Africa		28° 24' 00" S 32° 25' 00" E	
Mapinhane	Mozambique		22° 19' 12" S 35° 03' 00" E	
Mapon (see Mampong), Asheki	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
Mapti Endé	Morocco			
Mapungubwe (see Farm Greefswald 37MS), 75 km W Messina	South Africa		22° 12' 00" S 29° 23' 00" E	
Maputa (see Manguzi village), Maputa	South Africa		26° 59' 00" S 32° 45' 00" E	60 m
Maputo (see also: Can Pfumo, Kapfumo, Lourenço Marques, Mabutu)	Mozambique		25° 57' 55" S 32° 35' 21" E	63 m
Maputo Bay (see also: Alagoa Bay, Bahia de Machangulo, Baia de Alagoa, Baia de Dalagoa, Baía de Lourenço Marques, Baía de Maputo, Delagoa Bay, Machangulo Bay)	Mozambique	ca.	25° 59' 00" S 32° 42' 00" E	
Maputo Camp	Mozambique		12° 10' 56" S 37° 33' 01" E	
MaputPC:MC|)	Mozambique			
Maputo province (see also: Maputo City province |PC:MC|)	Mozambique			
Maputo, 2 mi [=3.2 km] N	Mozambique		25° 57' 55" S 32° 35' 21" E	
Maqale (see Mek'ele)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Maqalle (see Mek'ele)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Maqdishu (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mara, Mugeta	Tanzania		1° 31' 00" S 33° 49' 00" E	
Mara region	Tanzania			
Mara Game Reserve (see Masai Mara Game Reserve)	Kenya		1° 25' 00" N 34° 55' 00" E	
Mara River	Kenya	ca.		
Mara River, South West Kenya	Kenya			1219 m
Mara river, 15 mi [=24 km] up, 15 mi up from Tanganyika border	Kenya	ca.	0° 16' 00" S 37° 45' 00" E	
Maracha district	Uganda			
Maradi	Niger		13° 29' 30" N 7° 05' 47" E	383 m
Maradi region	Niger			
Maragat (see Marigat), Perakera River	Kenya		0° 28' 00" N 35° 59' 00" E	1062 m
Maragat, 15 km N (see Kampi Ya Samaki)	Kenya		0° 36' 00" N 36° 01' 00" E	
Maragat, 15 mi [=24 km] N (see Kampi Ya Samaki)	Kenya		0° 36' 00" N 36° 01' 00" E	
Maragogo	Kenya			
Maragut (see Marigat), Perakera River	Kenya		0° 28' 00" N 35° 59' 00" E	1062 m
Marahoué region	Côte d'Ivoire			
Marahubi (see Marahubi Mlangoni), Zanzibar	Tanzania		6° 09' 00" S 39° 13' 00" E	20 m
Marahubi Mlangoni, Zanzibar (see also: Marahubi, Marhubi)	Tanzania		6° 09' 00" S 39° 13' 00" E	20 m
Marakabei (see Marakabeis)	Lesotho		29° 32' 00" S 28° 09' 00" E	2040 m
Marakabeis (see also: Marakabei, Saint John Baptist)	Lesotho		29° 32' 00" S 28° 09' 00" E	2040 m
Marakwet (see Kapsowar)	Kenya		0° 59' 00" N 35° 34' 00" E	2019 m
Maramagambo Forest Reserve South	Uganda		0° 30' 00" S 29° 55' 12" E	1092 m
Maramba district	Tanzania			
Maran river (see Marun river)	Kenya		1° 37' 08" N 35° 32' 35" E	2286 m
Marandellas (see Marondera)	Zimbabwe		18° 11' 00" S 31° 33' 00" E	1688 m
Marandellas, near	Zimbabwe	ca.	18° 11' 00" S 31° 33' 00" E	
Marangu cave, near Yambio	South Sudan		4° 33' 00" N 28° 22' 00" E	
Mararenge	Tanzania		8° 55' 00" S 39° 34' 00" E	
Marari	Congo (Democratic Republic of the)		4° 20' 00" N 29° 40' 00" E	
Marasohy Forest, 15 km WNW Ranomafana, near Tsitongatona River	Madagascar		24° 34' 01" S 46° 48' 00" E	350 m
Marawi (see also: Merawi, Merowe)	Sudan		18° 29' 00" N 31° 49' 00" E	275 m
Marché, grotte du (see Dalaba)	Guinea		10° 42' 00" N 12° 15' 00" W	1190 m
Marco de Canaveses	Angola		12° 59' 00" S 14° 22' 00" E	972 m
Marco de Canavezes (see also: Canaveses)	Angola		12° 59' 00" S 14° 22' 00" E	972 m
Mard river	Kenya	ca.	1° 15' 00" S 35° 45' 00" E	1372 m
Mare au Songes (see also: Mare aux Songes)	Mauritius		20° 26' 31" S 57° 42' 06" E	
Mare aux Songes (see Mare au Songes)	Mauritius		20° 26' 31" S 57° 42' 06" E	

Mareerey (see also: Marerei, Mareri)	Somalia		0° 25' 49" N 42° 43' 05" E	15 m
Maréotis (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	
Maréotis, SW of lake (see Bu?ayrat Maryut, SW of)	Egypt	ca.	31° 09' 27" N 29° 54' 16" E	
Mareppa Mine	Zimbabwe		19° 15' 00" S 27° 42' 00" E	
Marerei (see Mareerey)	Somalia		0° 25' 49" N 42° 43' 05" E	15 m
Mareri (see Mareerey)	Somalia		0° 25' 49" N 42° 43' 05" E	15 m
Margate, near, Voortukkers strand, Durban	South Africa		30° 51' 00" S 30° 22' 01" E	
Margherita (see Jamaame)	Somalia		0° 04' 20" N 42° 45' 02" E	10 m
Margibi county	Liberia			
Marhouma (see also: Markouma)	Algeria		30° 00' 16" N 2° 04' 14" W	430 m
Marhubi (see Marahubi Mlangoni), Zanzibar	Tanzania		6° 09' 00" S 39° 13' 00" E	20 m
Mari (see Mere)	South Sudan		3° 53' 06" N 31° 40' 14" E	1022 m
Maria Ratschitz Mission Church (see also: Ratzschitz Mission Church)	South Africa		28° 13' 32" S 30° 01' 21" E	
Maria van Riebeeck Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria	South Africa		25° 52' 48" S 28° 16' 48" E	
Marianne Island (see also: Marie Anne Island , Mary Anne Island)	Seychelle Islands		4° 20' 00" S 55° 55' 00" E	
Maribabougou, 15 km E Bamako	Mali		12° 41' 12" N 7° 51' 50" W	331 m
Marico, 15 km SE (see Farm Ferndale)	South Africa		25° 38' 00" S 26° 24' 00" E	
Maridi (see also: Maridi, Meridi, Merridi)	South Sudan		4° 54' 53" N 29° 28' 37" E	698 m
Maridi (see Maridi)	South Sudan		4° 54' 53" N 29° 28' 37" E	698 m
Marie Anne Island (see Marianne Island)	Seychelle Islands		4° 20' 00" S 55° 55' 00" E	
Marie se Gat, 6 km SE Nossob (see also: Nassob, 6 km SE, Nossob, 6 km SE)	South Africa		25° 38' 00" S 20° 38' 00" E	
Mariebskop (see Mariepskop-Bosreserwe)	South Africa		24° 35' 00" S 30° 53' 00" E	
Marienhof, Wugiri	Tanzania		5° 06' 00" S 38° 29' 00" E	
Marienthal	Namibia		24° 38' 00" S 17° 58' 00" E	1114 m
Mariepskop (see Mariepskop-Bosreserwe)	South Africa		24° 35' 00" S 30° 53' 00" E	
Mariepskop Forest (see Mariepskop-Bosreserwe)	South Africa		24° 35' 00" S 30° 53' 00" E	
Mariepskop Forest Reserve (see Mariepskop-Bosreserwe)	South Africa		24° 35' 00" S 30° 53' 00" E	
Mariepskop Research Station (see Mariepskop-Bosreserwe)	South Africa		24° 35' 00" S 30° 53' 00" E	
Mariepskop-Bosreserwe (see also: Mariebskop, Mariepskop, Mariepskop Forest, Mariepskop Forest Reserve, Mariepskop Research Station)	South Africa		24° 35' 00" S 30° 53' 00" E	
Marigat, Perakera River (see also: Maragat, Maragut)	Kenya		0° 28' 00" N 35° 59' 00" E	1036 m
Marigat, 15 mi [=24 km] N	Kenya		0° 37' 01" N 36° 01' 59" E	1006 m
Marigat, near, Perakera River	Kenya	ca.	0° 28' 00" N 35° 59' 00" E	1030 m
Marine cave, between Sarodrano and Saint-Augustin, 20 km S Tuléar (see also: Tuléar, 20 km S)	Madagascar			
Marine Parade	South Africa		29° 51' 14" S 31° 02' 19" E	
Marine Research Station	Mozambique		26° 01' 37" S 32° 54' 39" E	
Marion, lake (see also: Lac Marion, Lake Marion)	Congo (Democratic Republic of the)			
Mariout, lake (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	
Maritime region	Togo			
Maritzburg (see Pietermaritzburg)	South Africa		29° 37' 00" S 30° 23' 00" E	
Mariut, lake (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	
MarjPC:MA|)	Libya			
Marken, 20 km S (see Farm Dordrecht)	South Africa		23° 50' 00" S 28° 22' 00" E	
Market cave (see Dalaba)	Guinea		10° 42' 00" N 12° 15' 00" W	1190 m
Markouma (see Marhouma)	Algeria		30° 00' 16" N 2° 04' 14" W	430 m
Markoy, 30 km N (see Markoye, 30 km N)	Burkina Faso		14° 54' 00" N 0° 04' 01" E	
Markoye, 30 km N (see also: Markoy, 30 km N)	Burkina Faso		14° 54' 00" N 0° 04' 01" E	
Markwijit (see Morkwijit)	Kenya		1° 12' 00" N 35° 05' 00" E	1996 m
Marloth Park (see also: Nkomazi Municipality complex, approx 1.5 km NNW, Nkomazi Municipality Park)	South Africa		25° 22' 00" S 31° 47' 00" E	210 m
Maroantsetra	Madagascar		15° 26' 00" S 49° 44' 00" E	170 m
Maroantsétra, 2 days NE	Madagascar			
Maroantsetra, 20 km SW (see Ambodi Mangy)	Madagascar		15° 34' 00" S 49° 36' 00" E	
Maroantsetra, 40 km NW (see also: Bevato, 40 km NW)	Madagascar	ca.	15° 17' 00" S 49° 34' 00" E	400 m
Maroantsetra, near	Madagascar	ca.	15° 26' 00" S 49° 44' 00" E	
Maroantsetra, NW of	Madagascar	ca.	15° 26' 00" S 49° 44' 00" E	
Marofandilia	Madagascar		20° 04' 03" S 44° 39' 29" E	

Marojejy Nature Reserve (see Tahiry Nanaharin' i Marojezy)	Madagascar		14° 22' 18" S 49° 43' 30" E	
Maromandia (see also: Grotte de Maromandia, Maromandia cave)	Madagascar		14° 13' 00" S 48° 05' 00" E	95 m
Maromandia cave (see Maromandia)	Madagascar		14° 13' 00" S 48° 05' 00" E	95 m
Maromandia, NW	Madagascar	ca.	14° 13' 00" S 48° 05' 00" E	95 m
Maromandia, NW of	Madagascar	ca.	14° 13' 00" S 48° 05' 00" E	
Marondavenoka, cave, 9.4 km N Tolagnaro, near the village of Enato (see also: Grotte de Marondavenoka, Tolagnaro, 9.4 km N)	Madagascar		24° 53' 26" S 46° 59' 14" E	110 m
Marondera (see also: Eirene farm, Marandellas)	Zimbabwe		18° 11' 00" S 31° 33' 00" E	1688 m
Marone (see Boerboomskraal)	South Africa		24° 49' 00" S 30° 21' 00" E	876 m
Marop (see Farm Narap), 28 km SSE Springbok	South Africa		29° 53' 00" S 17° 46' 00" E	
Maroroy, 5.0 km N (by road)	Madagascar	ca.	24° 09' 00" S 47° 20' 00" E	
Maroroy, ca 9.2 km N (by road) (see Marovony Forest)	Madagascar		24° 08' 00" S 47° 22' 00" E	50 m
Maroto (see Moroto)	Uganda		2° 29' 45" N 34° 40' 10" E	1360 m
Maroua (see also: Marua)	Cameroon		10° 35' 44" N 14° 19' 29" E	384 m
Marout, lake (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	
Marovatanana	Madagascar			
Marovaza	Madagascar		14° 56' 48" S 47° 16' 29" E	5 m
Marovaza, 4.2 km SE (cave)	Madagascar		14° 57' 58" S 47° 18' 29" E	40 m
Marovoay	Madagascar		16° 06' 00" S 46° 38' 00" E	82 m
Marovoay, ca 40 km S (see Ampijoroa)	Madagascar	ca.	16° 18' 00" S 46° 49' 00" E	
Marovony Forest (see also: Forêt de Marovony)	Madagascar		24° 04' 00" S 47° 20' 00" E	30 m
Marovony Forest, ca 9.2 km N (by road) Maroroy (see also: Maroroy, ca 9.2 km N (by road))	Madagascar		24° 08' 00" S 47° 22' 00" E	50 m
Marquard, Leeukop [230]	South Africa		28° 40' 00" S 27° 26' 00" E	1515 m
Marrakech -Tensilft - Al Hauouz (former) region	Morocco			
Marrakech, E of (see also: Marrakesh, E of)	Morocco	ca.	31° 37' 48" N 8° 00' 00" W	
Marrakech-Safi region	Morocco			
Marrakesh prefecture	Morocco			
Marrakesh, E of (see Marrakech, E of)	Morocco	ca.	31° 37' 48" N 8° 00' 00" W	
Marsá Matru? (see also: Madara, Matru?, Mersa Matrouh, Mersa Ma?rû?, Mhadara, Paraetonium)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m
Marsa Matruh, 20 mi [=32 km] W (see also: Mersa Matruh, 20 mi [=32 km] W)	Egypt		31° 21' 00" N 26° 53' 34" E	
Marsa Matruh, near (see also: Mersa Matruh, near)	Egypt	ca.	31° 21' 00" N 27° 14' 00" E	
Marsabit county	Kenya			
Marsabit district	Kenya		3° 00' 00" N 37° 30' 00" E	
Marsabit road	Kenya		2° 20' 00" N 37° 59' 00" E	
Marsabit, mount (see also: Mount Marsabit)	Kenya		2° 17' 24" N 37° 56' 41" E	
Marsabit, mount, 30 mi [=48 km] S (see Merelle Water)	Kenya		1° 23' 00" N 37° 44' 00" E	
Marshall Grove, Carrington Heights	South Africa		29° 53' 14" S 30° 58' 10" E	60 m
Marshall Territory	Liberia		6° 15' 00" N 10° 30' 00" W	
Marthavale, Farm (see Farm Marthavale), 40 km NW Kuruman	South Africa		27° 20' 00" S 23° 04' 00" E	
Martin Forest Area (see also: Martin Forest Reserve)	Zimbabwe		19° 42' 00" S 32° 56' 00" E	
Martin Forest Reserve (see Martin Forest Area)	Zimbabwe		19° 42' 00" S 32° 56' 00" E	
Marua (see Maroua)	Cameroon		10° 35' 44" N 14° 19' 29" E	384 m
Marumbi	Congo (Democratic Republic of the)		1° 10' 00" N 29° 30' 00" E	1360 m
Marun river (see also: Maran river, Morun river, Orano river, Panyaret river)	Kenya		1° 37' 08" N 35° 32' 35" E	2286 m
Marunga mountains	Congo (Democratic Republic of the)		7° 30' 00" S 29° 59' 00" E	5650 ft
Marungu	Tanzania		3° 44' 00" S 30° 48' 00" E	1317 m
Marungu, Qua Mpala [=Lualaba]	Congo (Democratic Republic of the)		6° 43' 00" S 29° 31' 00" E	
Marungu (see Maungu), 30 km E Voi	Kenya		3° 33' 00" S 38° 45' 00" E	61 m
Maruwa Jongo cave	Tanzania	ca.	5° 07' 00" S 39° 45' 00" E	
Mary Anne Island (see Marianne Island)	Seychelle Islands		4° 20' 00" S 55° 55' 00" E	
Marydale, 30 km NE (see Farm Leelykstraat 320)	South Africa		29° 11' 00" S 22° 18' 00" E	
Maryland county	Liberia			
Marymount mission, Bopoma gorge	Zimbabwe		16° 40' 00" S 32° 26' 00" E	
Maryut, lake (see Bu?ayrat Maryut)	Egypt		31° 09' 27" N 29° 54' 16" E	

Marzuq	Libya		25° 54' 16" N 13° 53' 50" E	501 m
Masaba	Congo (Democratic Republic of the)		4° 33' 00" S 16° 54' 00" E	
Masaba (see Elgon, Mount)	Uganda		1° 08' 00" N 34° 33' 00" E	
Masabia Hshubi	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
Masabu	Congo (Democratic Republic of the)		4° 33' 00" S 16° 54' 00" E	597 m
Masabubu	Kenya		1° 12' 47" S 40° 01' 03" E	93 m
Masabubu, 0.5 mi [=0.8 km] E	Kenya	ca.	1° 12' 00" S 40° 01' 00" E	
Masabubu, 1.5 mi [=2.4 km] E	Kenya	ca.	1° 12' 00" S 40° 01' 00" E	
Masai Amboseli Game Reserve (see Amboseli Game Reserve)	Kenya	ca.	2° 30' 00" S 37° 00' 00" E	
Masai Mara Game Reserve (see also: Mara Game Reserve, Masai Mara National Park, Massai Mara Reserve, Narok-Masai Game Reserve)	Kenya		1° 25' 00" N 34° 55' 00" E	
Masai Mara National Park (see Masai Mara Game Reserve)	Kenya		1° 25' 00" N 34° 55' 00" E	
Masailand	Kenya	ca.	1° 45' 00" S 36° 00' 00" E	
Masaka - Kigali	Rwanda		1° 59' 44" S 30° 11' 30" E	1448 m
Masaka district	Uganda			
Masako, 15 km from Buta (see also: Masako)	Congo (Democratic Republic of the)		0° 36' 00" N 25° 13' 00" E	
Masaku (see Machakos)	Kenya		1° 31' 00" S 37° 16' 00" E	1714 m
Masaku district	Kenya			
Masali Mine	Zambia		14° 05' 00" S 32° 59' 00" E	
Masawa (see Elgon, Mount)	Uganda		1° 08' 00" N 34° 33' 00" E	
Masawa (see Massawa)	Eritrea		15° 36' 35" N 39° 27' 00" E	6 m
Mascara province	Algeria			
Mascarene Islands	Mascarene Islands		20° 00' 00" S 57° 00' 00" E	
Maschi river	Namibia		17° 47' 00" S 23° 20' 00" E	1000 m
Masembeti	Mozambique	ca.	19° 36' 34" S 34° 44' 35" E	
Masembura Native Reserve (see Masembura Tribal Trust Land)	Zimbabwe		17° 25' 00" S 31° 15' 00" E	
Masembura Tribal Trust Land (see also: Chindamore Native Reserve, Masembura Native Reserve)	Zimbabwe		17° 25' 00" S 31° 15' 00" E	
Maseru district	Lesotho			
Masha	Ethiopia		7° 44' 00" N 35° 29' 00" E	2222 m
Masha	Rwanda		1° 35' 33" S 29° 19' 47" E	2085 m
Mashamasina, 10 km NW (see Antsironandoha Cave, west)	Madagascar		12° 53' 20" S 49° 05' 51" E	100 m
Mashikiri windmill	South Africa		22° 35' 00" S 31° 11' 00" E	
Mashonaland Central province	Zimbabwe			
Mashonaland East province	Zimbabwe			
Mashonaland West province	Zimbabwe			
Mashunga Hande Dam, Katchuta, Mangula	Zimbabwe		16° 19' 00" S 30° 26' 00" E	
Masibingi	Congo (Democratic Republic of the)		0° 02' 00" N 29° 02' 00" E	
Masimani	Tanzania		4° 13' 00" S 37° 33' 00" E	807 m
Masimba Camp (see Masinda Camp), Corridor Reserve	South Africa		28° 16' 37" S 31° 56' 41" E	
Masimengo	Congo (Democratic Republic of the)		0° 34' 00" N 29° 42' 00" E	800 m
Masinai (see Masindi)	Uganda		1° 40' 28" N 31° 42' 54" E	1216 m
Masinda Camp (see also: Masimba Camp)	South Africa		28° 16' 37" S 31° 56' 41" E	
Masindary (see Imasindrary)	Madagascar		20° 17' 00" S 47° 31' 00" E	
Masindi (see also: Masinai)	Uganda		1° 40' 28" N 31° 42' 54" E	1216 m
Masindi district	Uganda			
Masindi, ca. 25 km NW (see Budongo Forest)	Uganda		1° 44' 16" N 31° 33' 22" E	4000 ft
Masindi, near	Uganda	ca.	1° 40' 28" N 31° 42' 54" E	
Masingini Forest Station	Tanzania		6° 07' 00" S 39° 14' 34" E	86 m
Masingwa River (see also: Musingwa River)	Zimbabwe		16° 10' 00" S 31° 30' 00" E	
Masiribani (see Mount Moorosi (city))	Lesotho		30° 16' 00" S 27° 52' 00" E	1651 m
Masjed-I-Soleyman	Iran			
Masol Location	Kenya		1° 39' 00" N 35° 42' 00" E	762 m
Masombwe	Congo (Democratic Republic of the)		9° 05' 00" S 27° 12' 00" E	1163 m
Masr (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
Masr al-Qadimah (see Misr al Qadimah)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
Massa caves (see also: Grottes de Massa)	Gabon		1° 07' 00" N 13° 09' 00" E	
Massah (see also: Luigi Razza, Méssa, Razza)	Libya		32° 45' 07" N 21° 37' 36" E	482 m
Massah, 8 km SW (see Wadi al Kuf)	Libya		32° 42' 00" N 21° 35' 00" E	330 m
Massai Mara Reserve (see Masai Mara Game Reserve)	Kenya		1° 25' 00" N 34° 55' 00" E	

Massamba, 10 mi [=16 km] E (see Aldeia Muchena)	Mozambique		15° 40' 56" S 33° 48' 20" E	356 m
Massangena	Mozambique		21° 33' 18" S 32° 57' 38" E	
Massau (see Massawa)	Eritrea		15° 36' 35" N 39° 27' 00" E	6 m
Massaua (see Massawa)	Eritrea		15° 36' 35" N 39° 27' 00" E	6 m
Massawa (see also: Masawa, Massau, Massaua, Massawah, Massowa, Massowah, Mesewa, Mitsewa, Mits'iwa)	Eritrea		15° 36' 35" N 39° 27' 00" E	6 m
Massawah (see Massawa)	Eritrea		15° 36' 35" N 39° 27' 00" E	6 m
Massif du Ruwenzori (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Massinga	Mozambique		23° 19' 01" S 35° 22' 59" E	
Massinga, 2 km N	Mozambique		23° 20' 00" S 35° 22' 00" E	
Massinga, 2 km S	Mozambique		23° 20' 00" S 35° 24' 00" E	
Massowa (see Massawa)	Eritrea		15° 36' 35" N 39° 27' 00" E	6 m
Massowah (see Massawa)	Eritrea		15° 36' 35" N 39° 27' 00" E	6 m
Masvingo province	Zimbabwe			
Masvingo, 160 km NE, Save River	Zimbabwe			
Mata Mata camp, Nassob	South Africa		25° 46' 00" S 20° 01' 00" E	
Matabele plain (see also: Libala Lia Matabele, Libala Lya Matebele , Matebele plain)	Zambia		16° 25' 00" S 23° 08' 00" E	
Matabeleland North province (see Matebeleland North province)	Zimbabwe			
Matabeleland South province (see Matebeleland South province)	Zimbabwe			
Matadera river (see Río Matadera)	Equatorial Guinea	ca.	3° 44' 00" N 8° 47' 00" E	
Matadero River (see Río Matadera)	Equatorial Guinea	ca.	3° 44' 00" N 8° 47' 00" E	
Matadi (see also: Matidi)	Congo (Democratic Republic of the)		5° 49' 00" S 13° 27' 00" E	18 m
Matadoni (see Matondoni)	Kenya		2° 15' 54" S 40° 50' 17" E	
Matafalu River, Port St. Johns, near	South Africa			
Matahara (see Metahara), Awash river	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Matahara, 1 km W (see Metahara, 1 km W)	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Matai Forest Reserve	Tanzania		4° 51' 00" S 38° 46' 00" E	250 m
Matale	Congo (Democratic Republic of the)		2° 39' 17" S 28° 21' 55" E	1217 m
Matam	Senegal		15° 37' 03" N 13° 19' 49" W	28 m
Matam department	Senegal			
Matam region	Senegal			
Matam, 13 km SW (see Ogo)	Senegal		15° 33' 00" N 13° 17' 00" W	27 m
Matama (see Metema)	Ethiopia		12° 58' 00" N 36° 12' 00" E	684 m
Matama, 30 mi [=48 km] SE (see Wahina)	Ethiopia		12° 30' 00" N 36° 30' 00" E	
Matamba	Congo (Democratic Republic of the)		5° 56' 57" S 22° 15' 56" E	619 m
Matandoni (see Matondoni)	Kenya		2° 15' 54" S 40° 50' 17" E	
Matanga (see Matanga Twani)	Tanzania		4° 58' 00" S 39° 44' 00" E	
Matanga Twani (see also: Matanga, Mtanga Twani)	Tanzania		4° 58' 00" S 39° 44' 00" E	
Matanilas	Tanzania	ca.	9° 00' 00" S 36° 40' 00" E	244 m
Matata cave	Congo (Democratic Republic of the)		0° 58' 30" N 29° 40' 00" E	1160 m
Matchless Mine, between Windhoek & Rehoboth	Namibia		22° 41' 00" S 16° 50' 00" E	1800 m
Mateanong (see also: Abia)	Lesotho		29° 21' 00" S 29° 13' 00" E	
Mateanong, 15 km E (see Nkokomele, near), Nkokomele, near	Lesotho	ca.	29° 21' 00" S 29° 13' 00" E	
Matebele plain (see Matabele plain)	Zambia		16° 25' 00" S 23° 08' 00" E	
Matebeleland North province (see also: Matabeleland North province)	Zimbabwe			
Matebeleland South province (see also: Matabeleland South province)	Zimbabwe			
Matema Camp	Zimbabwe		20° 07' 00" S 30° 37' 00" E	
Matema village	Tanzania		6° 07' 54" S 29° 47' 38" E	
Matete river, NE shore lake Eyasi	Tanzania		3° 35' 00" S 35° 15' 00" E	
Matetsi (see Matetsi Siding)	Zimbabwe		18° 16' 00" S 25° 56' 00" E	
Matetsi Siding (see also: Matetsi)	Zimbabwe		18° 16' 00" S 25° 56' 00" E	
Mathae Ranch, 22 mi [=35 km] E Mica (see also: Mica, 22 mi [=35 km] E)	South Africa		24° 08' 03" S 31° 07' 08" E	3000 ft
Mathaiga (Golf course), 3 mi [=4.8 km] N Nairobi (see also: Nairobi, 3 mi [=4.8 km] N)	Kenya	ca.	1° 15' 00" S 36° 50' 00" E	1694 m
Mathews Range	Kenya			
Matidi (see Matadi)	Congo (Democratic Republic of the)		5° 49' 00" S 13° 27' 00" E	18 m
Matipa-Wilindi Ridge	Malawi	ca.	9° 39' 00" S 33° 26' 00" E	
Matitobe dam	South Africa			

Matjies Vlei, 23 km N Beaufort West (see also: Beaufort West, 23 km N)	South Africa		32° 08' 00" S 22° 33' 00" E	
Matlapitsi Caves, 10 km W Lebowa (see also: Lebowa, 10 km W)	South Africa		24° 10' 00" S 30° 06' 00" E	
Matlepits Valley, Potgietersrus-Zabediela, E Chuniespoort	South Africa		24° 07' 00" S 29° 37' 00" E	
Matmata, near, Boukedma (see also: Kalaa Matmata, near, Matmatah near)	Tunisia		33° 33' 00" N 9° 58' 00" E	400 m
Matmatah near (see Matmata, near), Boukedma	Tunisia		33° 33' 00" N 9° 58' 00" E	400 m
Matobo National Park (see Rhodes Matopos Nature Park)	Zimbabwe		20° 33' 00" S 28° 33' 00" E	
Matola (see also: Cidade de Matola, Vila Salazar)	Mozambique		25° 57' 44" S 32° 27' 32" E	3 m
Matombo (see Rhodes Matopos Nature Park)	Zimbabwe		20° 33' 00" S 28° 33' 00" E	
Matondoni (see also: Matadoni, Matandoni)	Kenya		2° 15' 54" S 40° 50' 17" E	
Matongouiné (see Matonguiné)	Côte d'Ivoire		7° 17' 20" N 8° 02' 17" W	356 m
Matonguiné (see also: Matongouiné)	Côte d'Ivoire		7° 17' 20" N 8° 02' 17" W	356 m
Matopo, Mtshabezi Valley	Zimbabwe		20° 25' 00" S 28° 29' 00" E	
Matopos, 6.5 mi [=10 km] S (see Mineral King Farm)	Zimbabwe		20° 29' 33" S 28° 27' 05" E	
Matounidi cave (see Mayama)	Congo		3° 50' 50" S 14° 53' 30" E	
Matru? (see Marsá Matru?)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m
Matruh governorate	Egypt			
Matsaborimadio, at edge of, 10.5 km NE Ambondromifehy, Andavaka Matsaborimadio (see also: Ambondromifehy, 10.5 km NE)	Madagascar		12° 48' 38" S 49° 15' 15" E	290 m
Matsaborimanga, near, Antsiranana, 60 km S; Ankarana, N of (see also: Antsiranana, 60 km S)	Madagascar		12° 54' 00" S 49° 07' 00" E	
Matsamudu (see Moutsamoudou)	Comoro Islands		12° 09' 46" S 44° 23' 47" E	204 m
Matshitshindzudzi	South Africa		22° 27' 16" S 31° 10' 29" E	
Mattu (see Metu)	Ethiopia		8° 18' 00" N 35° 35' 00" E	1604 m
Matubatuba	South Africa		28° 25' 00" S 32° 10' 00" E	
Matukwala Dam, 5 km NW Punda Milia (see also: Matukwaladam, Punda Milia, 5 km NW)	South Africa		22° 40' 56" S 30° 57' 46" E	
Matukwaladam (see Matukwala Dam), 5 km NW Punda Milia	South Africa		22° 40' 56" S 30° 57' 46" E	
Matukwale Dam, 5 km NW Punda Maria	South Africa		22° 40' 41" S 30° 58' 10" E	
Matumbi	Tanzania		9° 29' 00" S 35° 31' 00" E	575 m
Matumbi Highlands (see also: Matumbi-Berge)	Tanzania		8° 20' 00" S 38° 55' 00" E	
Matumbi-Berge (see Matumbi Highlands)	Tanzania		8° 20' 00" S 38° 55' 00" E	
Matupa Cave, Pretoruskop area	South Africa		24° 10' 00" S 31° 16' 00" E	
Matupa Koppie, Pretoriuskop section	South Africa		25° 03' 38" S 31° 19' 19" E	
Matupi cave (see also: Grotte de Matupi, Matupi grot)	Congo (Democratic Republic of the)		1° 16' 12" N 29° 54' 36" E	3500 ft
Matupi grot (see Matupi cave)	Congo (Democratic Republic of the)		1° 16' 12" N 29° 54' 36" E	3500 ft
Matusadona, Tashinga	Zimbabwe		16° 52' 30" S 28° 22' 30" E	
Matusadona National Park, Nyanumi River	Zimbabwe		16° 52' 30" S 28° 37' 30" E	
Mau Forest, 20 mi [=32 km] W Nakuru (see also: Nakuru, 20 mi [=32 km] W, Njoro river (2))	Kenya		0° 36' 45" S 35° 44' 24" E	2286 m
Mau Mau cave	Kenya		0° 13' 01" S 37° 08' 14" E	
Maua, 4 km N, 1.5 km W	Tanzania		3° 14' 24" S 37° 27' 30" E	
Maua, 7 km N, 2.5 km W	Tanzania		3° 12' 28" S 37° 26' 49" E	
Mauda	Congo (Democratic Republic of the)		4° 05' 00" N 27° 41' 00" E	
Maun (see also: Mawn)	Botswana		19° 59' 00" S 23° 25' 00" E	927 m
Maun county	Botswana			
Maun, 12 km NE (see Okavango River Lodge)	Botswana		20° 37' 00" S 22° 38' 00" E	
Maun, 3 km S (see Tsanogo)	Botswana	ca.	19° 59' 00" S 23° 25' 00" E	
Maun, ca. 80 mi [=129 km] NW (see Splash Camp)	Botswana		19° 05' 00" S 23° 06' 00" E	
Maungu, 30 km E Voi (see also: Marungu, Voi, 30 km E)	Kenya		3° 33' 00" S 38° 45' 00" E	61 m
Maungu Hill, Voi, 48 km SE (see also: Voi, 48 km SE)	Kenya		3° 37' 30" S 38° 37' 30" E	450 m
Maunzi (see also: Mavunzi, Mawunzi, Mvuazi)	Congo (Democratic Republic of the)		5° 19' 00" S 15° 07' 00" E	547 m
Mauritania	Mauritania			
Mauritanian Sahara	Mauritania			
Mauritius	Mauritius			
Mauritius, 15 mi [=24 km] NE (see Round island)	Mauritius		19° 50' 53" S 57° 46' 51" E	
Mavatanana (see Maevatanana)	Madagascar		16° 57' 00" S 46° 50' 00" E	133 m

Mavunzi (see Maunzi)	Congo (Democratic Republic of the)		5° 19' 00" S 15° 07' 00" E	547 m
Mavuradona, on Tingwa River	Zimbabwe			
Mawaila (see Al Muwayli?), Red Sea Coast	Saudi Arabia		27° 41' 00" N 35° 28' 00" E	0 m
Mawambi	Congo (Democratic Republic of the)		1° 04' 00" N 28° 34' 00" E	653 m
Mawarenge	Tanzania		9° 36' 00" S 39° 02' 00" E	164 m
Maweni river, 6 mi [=9.6 km] S Kilifi (see also: Kilifi, 6 mi [=9.6 km] S)	Kenya		3° 44' 00" S 39° 45' 00" E	
Mawere (district?)	Tanzania			
Mawn (see Maun)	Botswana		19° 59' 00" S 23° 25' 00" E	927 m
Mawoutou Village (see Mawutu Village), 30 km N Buéa station	Cameroon		4° 24' 00" N 9° 12' 00" E	
Mawunzi (see Maunzi)	Congo (Democratic Republic of the)		5° 19' 00" S 15° 07' 00" E	547 m
Mawutu Village, 30 km N Buéa station, 30 km N C39 (see also: Buéa station, 30 km N, Mawoutou Village)	Cameroon		4° 24' 00" N 9° 12' 00" E	
Maxeba windmill (see Manxeba windmill)	South Africa		22° 24' 00" S 31° 14' 00" E	
May ya Moto, Semliki valley (see also: Mai-ya-Moto, May ya Moto, sources chaudes, Moto, Mai ya, Moto, May a, Moto, May ya)	Congo (Democratic Republic of the)		0° 14' 00" N 29° 43' 00" E	950 m
May ya Moto, sources chaudes (see May ya Moto)	Congo (Democratic Republic of the)		0° 14' 00" N 29° 43' 00" E	950 m
Maya cave (see Meya-Nzouari, cave)	Congo		3° 53' 16" S 14° 31' 19" E	
Mayama (see also: Grotte de Matounidi, Matounidi cave)	Congo		3° 50' 50" S 14° 53' 30" E	
Maya-Maya (see Brazzaville)	Congo		4° 15' 33" S 15° 17' 05" E	155 m
Maydum (see Maydum pyramids)	Egypt		29° 22' 24" N 31° 10' 20" E	11 m
Maydum pyramids (see also: Maidum, Maidum pyramids, Maydum)	Egypt		29° 22' 24" N 31° 10' 20" E	11 m
Mayo, 20 km W Nelspruit (see also: Nelspruit, 20 km W)	South Africa		25° 22' 12" S 30° 44' 24" E	1015 m
Mayo Daré, 10 km N (see Mayo Darlé, 10 km N)	Cameroon	ca.	6° 28' 00" N 11° 33' 00" E	
Mayo Daré, 6 km N (see Mayo Darlé, 6 km N)	Cameroon	ca.	6° 28' 00" N 11° 33' 00" E	
Mayo Darlé, 10 km N (see also: Daré, 10 km N, Mayo Daré, 10 km N)	Cameroon	ca.	6° 28' 00" N 11° 33' 00" E	
Mayo Darlé, 6 km N (see also: Daré, 6 km N, Mayo Daré, 6 km N)	Cameroon	ca.	6° 28' 00" N 11° 33' 00" E	
Mayo Vaimba river	Cameroon		8° 40' 30" N 14° 26' 51" E	
Mayo-Kebbi Est region	Chad			
Mayo-Kebbi Ouest region	Chad			
Mayombe area (see also: Majumba)	Congo		4° 30' 00" S 12° 30' 00" E	
Mayotte (see Mayotte Island (Fr.))	Mayotte		12° 50' 00" S 45° 09' 00" E	
Mayotte Island (Fr.) (see also: Maore Island (Fr.), Mayotte)	Mayotte			
Mayuge district	Uganda			
Mayuka (see Muyuka)	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Mayumbe	Congo (Democratic Republic of the)		2° 30' 00" N 27° 37' 00" E	678 m
Mayumbe	Congo (Democratic Republic of the)	ca.	5° 00' 00" S 15° 00' 00" E	
Mayumbe area	Congo (Democratic Republic of the)	ca.	4° 30' 00" S 12° 30' 00" E	
Mayumbe, near	Congo (Democratic Republic of the)	ca.	2° 30' 00" N 27° 37' 00" E	
Mayville, Pretoria	South Africa		25° 43' 00" S 28° 11' 00" E	84 m
Mazabuka (see also: Mazabuka Boma)	Zambia		15° 52' 00" S 27° 46' 00" E	1101 m
Mazabuka Boma (see Mazabuka)	Zambia		15° 52' 00" S 27° 46' 00" E	1101 m
Mazama (see Musoma)	Tanzania		1° 30' 00" S 33° 48' 00" E	
Mazambo	Mozambique		23° 23' 00" S 32° 22' 00" E	
Mazelfontein	South Africa		29° 07' 00" S 23° 52' 00" E	
Mazengwenya Forest Station, NE Lake Sibaya	South Africa		27° 16' 00" S 32° 44' 00" E	50 m
Mazeras	Kenya		3° 58' 00" S 39° 33' 00" E	287 m
Maziwa Ngombe (see also: Maziwa ya Ngombe, Maziwangombe)	Tanzania		4° 58' 51" S 39° 52' 03" E	1 m
Maziwa Ngombe (see also: Maziwangombe)	Tanzania		4° 59' 00" S 39° 52' 00" E	
Maziwa ya Ngombe (see Maziwa Ngombe)	Tanzania		4° 58' 51" S 39° 52' 03" E	1 m
Maziwangombe (see Maziwa Ngombe)	Tanzania		4° 59' 00" S 39° 52' 00" E	
Maziwangombe (see Maziwa Ngombe)	Tanzania		4° 58' 51" S 39° 52' 03" E	1 m
Mazoe (see Mazowe)	Zimbabwe		17° 31' 00" S 30° 58' 00" E	1231 m
Mazoe Citrus Estate (see Mazoe Citrus School)	Zimbabwe		17° 27' 19" S 31° 01' 52" E	

Mazoe Citrus School (see also: Mazoe Citrus Estate)	Zimbabwe		17° 27' 19" S 31° 01' 52" E	
Mazowe (see also: Mazoe)	Zimbabwe		17° 31' 00" S 30° 58' 00" E	1231 m
Mazumba Estate	Tanzania		4° 48' 00" S 38° 30' 00" E	1412 m
Mazumbai Forest Reserve	Tanzania		4° 45' 00" S 38° 15' 00" E	1500 m
Mazwa	Tanzania			
Mbabane	Swaziland		26° 19' 00" S 31° 08' 00" E	1243 m
Mbaéré-Bodingué Reserve (see also: Réserve Intégrale de Mbaéré-Bodingué)	Central African Republic	ca.	3° 53' 00" N 17° 15' 00" E	
Mbaïki (see also: M'Baiki, M'Baikie)	Central African Republic		3° 53' 00" N 18° 00' 00" E	514 m
M'Baiki (see Mbaïki)	Central African Republic		3° 53' 00" N 18° 00' 00" E	514 m
M'Baikie (see Mbaïki)	Central African Republic		3° 53' 00" N 18° 00' 00" E	514 m
Mbakaou	Cameroon		6° 19' 00" N 12° 49' 00" E	833 m
Mbala	Tanzania		6° 50' 00" S 36° 59' 00" E	572 m
Mbala (see also: Abercorn)	Zambia		8° 50' 00" S 31° 23' 00" E	1656 m
Mbalaka (plantation), near Kikwit	Congo (Democratic Republic of the)		5° 00' 00" S 18° 53' 00" E	
Mbalame, mountain, S of Lilongwe (see also: Bat Mountain)	Malawi		14° 09' 00" S 33° 53' 00" E	
Mbale, Bugisu district	Uganda		1° 03' 52" N 34° 10' 46" E	1168 m
Mbale	Congo (Democratic Republic of the)			
Mbale district	Uganda			
Mbalizi, 13 km W (see Tegemo farm)	Tanzania	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
Mbalmajo (see Mbalmayo)	Cameroon		3° 31' 00" N 11° 30' 00" E	335 m
Mbalmayo (see also: Mbalmajo)	Cameroon		3° 31' 00" N 11° 30' 00" E	335 m
Mbalmayo road	Cameroon	ca.	3° 31' 00" N 11° 30' 00" E	
Mbalmayo, near	Cameroon	ca.	3° 31' 00" N 11° 30' 00" E	
Mbaloma (see Budima)	Liberia		7° 41' 57" N 9° 39' 03" W	364 m
Mbambi (see also: Mbumbi)	Namibia		17° 28' 00" S 18° 28' 00" E	1103 m
Mbambi	Namibia		17° 55' 00" S 21° 00' 00" E	900 m
Mbamou Island (see also: Bamu Island, Île Bamu, Île Mbamou, Île Mbamu, Île Mont Bamou, M'Bamou Island, Mbamu Island, Mount Bamou Island)	Congo		4° 12' 34" S 15° 25' 06" E	
M'Bamou Island (see Mbamou Island)	Congo		4° 12' 34" S 15° 25' 06" E	
Mbamu Island (see Mbamou Island)	Congo		4° 12' 34" S 15° 25' 06" E	
Mbandaka	Congo (Democratic Republic of the)		0° 04' 00" N 18° 16' 00" E	306 m
Mbangala, 137 km SE Iringa (see also: Iringa, 137 km SE, Mbanja)	Tanzania		8° 36' 00" S 36° 44' 00" E	626 m
Mbangan (district) (see Bata)	Equatorial Guinea		1° 51' 00" N 9° 45' 00" E	
Mbangari Crevice, Timbavati River	South Africa		24° 14' 15" S 31° 37' 51" E	
Mbanja (see Mbangala), 137 km SE Iringa	Tanzania		8° 36' 00" S 36° 44' 00" E	626 m
Mbanza-Ngungu (see also: Cave C.8.1, Thysstad, Thysville)	Congo (Democratic Republic of the)		5° 15' 00" S 14° 52' 00" E	604 m
Mbarangandu, Liwale	Tanzania		10° 12' 00" S 36° 48' 00" E	753 m
Mbarara, Ankole district	Uganda		0° 39' 30" S 30° 40' 33" E	1436 m
Mbarara district	Uganda			
M'bari site, 8 km N airport terminal	Gabon		1° 52' 01" S 9° 52' 59" E	
Mbarianga Cave, Yambio	South Sudan			
Mbawu	Congo (Democratic Republic of the)		5° 54' 00" S 22° 25' 00" E	
M'baya cave (see Baya cave), near Lubumbashi	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
M'baya grot (see Baya cave), near Lubumbashi	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
Mbebo Hill (see Mbevo)	Kenya		1° 39' 00" S 37° 17' 00" E	
Mbelekelo	Congo (Democratic Republic of the)		3° 20' 00" S 28° 04' 00" E	1100 m
Mbemba	Tanzania		10° 03' 00" S 38° 31' 00" E	265 m
Mben River (see Ayos, near)	Cameroon		3° 53' 00" N 12° 31' 00" E	
Mberengwa Mountain	Zimbabwe		20° 37' 30" S 29° 52' 30" E	
Mbero (see Mbevo)	Kenya		1° 39' 00" S 37° 17' 00" E	
Mbero area (see Mbevo area)	Kenya	ca.	1° 39' 00" S 37° 17' 00" E	
Mbero Rock	Kenya	ca.	1° 39' 00" S 37° 17' 00" E	
Mbero Rocks	Kenya			
Mbesuma (see Mbesuma Ranch)	Zambia		10° 02' 00" S 31° 10' 00" E	1484 m

Mbesuma Farm (see Mbesuma Ranch)	Zambia		10° 02' 00" S 31° 10' 00" E	1484 m
Mbesuma Ranch	Zambia		10° 02' 00" S 31° 10' 00" E	1484 m
(see also: Mbesuma, Mbesuma Farm)				
Mbeut Ndanguène (see Mbeute)	Senegal		14° 47' 28" N 17° 10' 00" W	30 m
Mbeute	Senegal		14° 47' 28" N 17° 10' 00" W	30 m
(see also: Mbeut Ndanguène, Mbout)				
Mbeva Hill	Kenya			
Mbevo	Kenya		1° 39' 00" S 37° 17' 00" E	
(see also: Mbebo Hill, Mbero)				
Mbevo area	Kenya	ca.	1° 39' 00" S 37° 17' 00" E	
(see also: Mbero area)				
Mbevo Hills	Kenya	ca.	1° 37' 00" S 37° 16' 00" E	
Mbeya	Tanzania		8° 54' 00" S 33° 27' 00" E	
Mbeya region	Tanzania			
Mbeya Township	Tanzania		8° 54' 00" S 33° 27' 00" E	1661 m
Mbeya, ca. 40 km W (see Songwe Bat Cave)	Tanzania		9° 42' 00" S 33° 56' 00" E	
Mbeyo Hill (see Kalama (location)), near Machakos	Kenya	ca.	1° 37' 00" S 37° 16' 00" E	
Mbiji	Tanzania			
Mbila - Lubumbashi, between (see Mansa - Lubumbashi, between)	Zambia		11° 11' 00" S 28° 53' 00" E	
Mbili	Sudan		7° 01' 00" N 27° 59' 00" E	
Mbilor	Senegal		16° 30' 00" N 15° 35' 00" W	
Mbini	Equatorial Guinea		1° 35' 00" N 9° 37' 00" E	343 m
(see also: Benito, Río Benito, San Benito)				
Mbini - Ayasong road, km 3	Equatorial Guinea	ca.	1° 35' 31" N 9° 37' 47" E	
Mbirima banana plantation, near Chitipa	Malawi		9° 31' 00" S 33° 10' 00" E	
Mbiye, island	Congo (Democratic Republic of the)		0° 27' 50" N 25° 17' 14" E	413 m
(see also: Île Mbiye)				
Mbizi Forest, Ufipa	Tanzania		7° 52' 00" S 30° 42' 00" E	
Mbizi Forest Reserve, 0.5 km N, 4 km E Wipanga	Tanzania		7° 52' 00" S 31° 40' 00" E	2200 m
(see also: Wipanga, 0.5 km N, 4 km E)				
Mblundu River	Zambia			
M'Boba river (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Mboga (see Boga)	Congo (Democratic Republic of the)		1° 03' 00" N 29° 56' 00" E	1562 m
Mbokaon	Cameroon			
Mboko hunting area	Congo		0° 31' 54" N 14° 51' 44" E	
(see also: Domaine de Chasse de Mboko)				
Mbololo, mount	Kenya		3° 17' 00" S 38° 28' 00" E	
Mbomou prefecture	Central African Republic			
Mbon River (see Río Mbon)	Equatorial Guinea			
Mbonde Pygmee, N of Bafia	Cameroon	ca.	5° 22' 00" N 11° 16' 00" E	
Mbondone (see Mbondoni)	Kenya		1° 27' 16" S 37° 31' 57" E	
Mbondoni	Kenya		1° 27' 16" S 37° 31' 57" E	
(see also: Mbondone)				
Mbongé	Cameroon		4° 32' 11" N 9° 06' 40" E	0 m
(see also: M'bonge)				
M'bonge (see Mbongé)	Cameroon		4° 32' 11" N 9° 06' 40" E	0 m
Mbouda, 15 km SSE	Cameroon	ca.	5° 38' 00" N 10° 15' 00" E	
Mboumo	Cameroon		3° 41' 00" N 13° 04' 00" E	
(see also: M'Boumo)				
M'Boumo (see Mboumo)	Cameroon		3° 41' 00" N 13° 04' 00" E	
Mbour	Senegal		14° 24' 00" N 16° 58' 00" W	0 m
(see also: M'Bour, Mbur)				
M'Bour (see Mbour)	Senegal		14° 24' 00" N 16° 58' 00" W	0 m
Mbout (see Mbeute)	Senegal		14° 47' 28" N 17° 10' 00" W	30 m
Mbuji-Mayi	Congo (Democratic Republic of the)		6° 09' 00" S 23° 36' 00" E	549 m
(see also: Bakwanga, Mbuy Mayi)				
Mbuji-Mayi, 32 km SE	Congo (Democratic Republic of the)	ca.	6° 09' 00" S 23° 36' 00" E	
Mbulu	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
(see also: Burru, Iraka landscape, Iraku, Mburu, Umbulu)				
Mbulu district	Tanzania		3° 45' 00" S 35° 20' 00" E	
Mbulu Stream	Zambia		8° 51' 00" S 31° 23' 00" E	5600 ft
Mbuluzi Game Reserve	Swaziland		26° 12' 00" S 31° 58' 48" E	171 m
Mbuluzi Game Reserve, 3rd river crossing	Swaziland		26° 11' 50" S 31° 58' 56" E	
Mbumbi (see Mbambi)	Namibia		17° 28' 00" S 18° 28' 00" E	1103 m
Mbur (see Mbour)	Senegal		14° 24' 00" N 16° 58' 00" W	0 m
Mburu (see Mbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Mbutfu Primary School	Swaziland			
Mbuy Mayi (see Mbuji-Mayi)	Congo (Democratic Republic of the)		6° 09' 00" S 23° 36' 00" E	549 m
Mbuya Mingi Campsite, near	Tanzania		3° 50' 25" S 36° 00' 20" E	1060 m

Mbuye-Bala river, affluent of Muye river	Congo (Democratic Republic of the)	ca.	9° 10' 00" S 27° 04' 00" E	
Mbuyuni village	Tanzania		5° 07' 00" S 39° 45' 00" E	
Mbwambala, near Kikwit	Congo (Democratic Republic of the)		5° 03' 00" S 18° 55' 00" E	
Mbweni, Zanzibar	Tanzania		6° 13' 00" S 39° 12' 00" E	0 m
Mcheni Gorge (see Mucheni Gorge)	Zimbabwe	ca.	17° 40' 00" S 27° 52' 00" E	
Mchesu River	Zimbabwe		17° 37' 30" S 27° 37' 30" E	
Mchinji distict	Malawi			
Mchungu Forest Reserve	Tanzania		7° 41' 15" S 39° 16' 15" E	
McIlwaine, 2 mi [=3.2 km] N of Lake (see Kilworth Estate)	Zimbabwe		17° 50' 00" S 30° 47' 00" E	
McIlwaine, lake, Harare (see also: Lake McIlwaine)	Zimbabwe		17° 54' 00" S 30° 47' 00" E	
Mdandu Forest, 30 mi [=48 km] S Njombe (see also: Njombe, 30 mi [=48 km] S)	Tanzania		9° 50' 00" S 34° 47' 00" E	
M'dhilla (see M'Dilla abandoned Phosphate mines)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
M'Dilla abandoned Phosphate mines, 20 km S Gafsa (see also: Al Ma?ilah, Gafsa, 20 km S, Le Mdilla, M'dhilla, Village de la Mine)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
M'diq Fnidq prefecture	Morocco			
Meadi (see Al Ma'adi)	Egypt		29° 58' 00" N 31° 15' 00" E	
Meanja, 40 km N Buéa station (see also: Buéa station, 40 km N)	Cameroon		4° 16' 23" N 9° 23' 32" E	66 m
Mebueme Village (see Mengémé Village)	Cameroon		3° 15' 00" N 11° 24' 00" E	591 m
Mebueme, 6 km W (see Soumou River)	Cameroon		3° 15' 00" N 11° 24' 00" E	
Mechra Benabbou, 11 km SE	Morocco		32° 36' 00" N 7° 43' 01" W	
Meda (see Mida)	Kenya		3° 19' 00" S 39° 58' 00" E	2 m
Medague, near Lalibela	Ethiopia	ca.	12° 03' 29" N 39° 02' 41" E	
Medani (see Wad Madani)	Sudan		14° 24' 00" N 33° 32' 00" E	414 m
Médéa province	Algeria			
Médenine governorate	Tunisia			
Medina de Boa (see Madina do Boé)	Guinea-Bissau		11° 45' 00" N 14° 13' 00" W	76 m
Médinat el-Fayoum (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Medinat Fayum (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Medinet el Fayum (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Médiouna prefecture	Morocco			
Medja (see Medje)	Congo (Democratic Republic of the)		2° 25' 00" N 27° 18' 00" E	617 m
Medje (see also: Medja)	Congo (Democratic Republic of the)		2° 25' 00" N 27° 18' 00" E	617 m
Medje, about 30 mi [=48 km] ENE (see Pawa)	Congo (Democratic Republic of the)		2° 31' 00" N 27° 04' 00" E	
Megbiya Ber	Ethiopia		12° 16' 00" N 35° 43' 00" E	607 m
Megenagne	Ethiopia		12° 12' 00" N 35° 40' 00" E	564 m
Mehadid	Ethiopia		12° 18' 00" N 35° 46' 00" E	587 m
Mehajebi forest (see Forêt de Mehajebi)	Madagascar	ca.	18° 15' 27" S 45° 25' 42" E	
Mehave, on Save river?	Mozambique		21° 04' 12" S 34° 45' 00" E	
Meiganda (see Meïganga)	Cameroon		6° 31' 00" N 14° 18' 00" E	978 m
Meïganga (see also: Meiganda)	Cameroon		6° 31' 00" N 14° 18' 00" E	978 m
Mek'ele (see also: Macalle, Makale, Makalle, Maqale, Maqalle)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Mekinez (see Meknès)	Morocco		33° 54' 00" N 5° 33' 00" W	547 m
Mekinissa	Ethiopia		9° 03' 00" N 38° 42' 00" E	
Meknès (see also: Mekinez)	Morocco		33° 54' 00" N 5° 33' 00" W	547 m
Meknès - Tafilalet (former) region	Morocco			
Meknès prefecture	Morocco			
Mekomeseng (see Mikomeseng)	Equatorial Guinea		2° 08' 10" N 10° 36' 48" E	323 m
Mekouba	Gabon			
Mékrou river	Benin	ca.	12° 18' 00" N 2° 40' 00" E	
Melanie, 3 km NNE	South Africa			
Melen	Cameroon		3° 51' 00" N 11° 30' 00" E	
Melfi	Chad		11° 03' 35" N 17° 55' 59" E	390 m
Melfi	Chad		11° 05' 00" N 17° 57' 00" E	
Melfi Mountains	Chad			
Melka Sadi (see Melka Sede), 12 mi [=19 km] N Awash Station	Ethiopia		9° 21' 00" N 40° 18' 00" E	787 m
Melka Sede, 12 mi [=19 km] N Awash Station (see also: Awash Station, 12 mi [=19 km] N, Melka Sadi)	Ethiopia		9° 21' 00" N 40° 18' 00" E	787 m
Melka Were (see Melka Werer), 25 mi [=40 km] N Awash Station	Ethiopia		9° 33' 00" N 40° 24' 00" E	810 m

Melka Werer, 25 mi [=40 km] N Awash Station (see also: Awash Station, 25 mi [=40 km] N, Melka Were)	Ethiopia		9° 33' 00" N 40° 24' 00" E	810 m
Melmoth	South Africa		28° 35' 00" S 31° 23' 00" E	
Melsetter district	Zimbabwe		19° 52' 30" S 32° 52' 30" E	
Melsetter, 20 km SE (see Rusito Forest), Rusito forest	Zimbabwe		20° 02' 00" S 32° 59' 00" E	
Melume	Congo (Democratic Republic of the)		2° 58' 10" N 24° 56' 00" E	508 m
Melut (see Malut)	South Sudan		10° 26' 00" N 32° 12' 00" E	362 m
Membe Highlands, Lundazi	Zambia		11° 30' 00" S 33° 30' 00" E	5000 ft
Meme division (see also: Kumba division)	Cameroon		4° 50' 00" N 9° 20' 00" E	
Menagesha Forest	Ethiopia		8° 59' 24" N 38° 33' 49" E	
Menagisy, 3.6 km SE (see Bazaribe, cave)	Madagascar		12° 42' 44" S 49° 28' 25" E	90 m
Ménaka	Mali		15° 55' 06" N 2° 24' 08" E	
Ménaka region	Mali			
Mendefera (see also: Addi Ugri, Adi Ugri, Adi Wegri)	Eritrea		14° 53' 08" N 38° 48' 59" E	1986 m
Mendes da Silva	São Tomé and Principé		0° 13' 00" N 6° 42' 00" E	
Menegai Caldera (see Menengai Crater)	Kenya		0° 12' 00" S 36° 04' 00" E	
Menengai, Kampi ya Moto (see also: Menengai)	Kenya		0° 12' 00" S 35° 58' 00" E	
Menengai Crater (see also: Menegai Caldera, Menengai Crater, cave at S rim, Menengai Crater, Mengengai cave, Menengai Crater, wall, Mount Menengai, Mount Menengai Crater)	Kenya		0° 12' 00" S 36° 04' 00" E	
Menengai Crater, cave at S rim (see Menengai Crater)	Kenya	ca.	0° 12' 00" S 36° 04' 00" E	
Menengai Crater, Mengengai cave (see Menengai Crater)	Kenya	ca.	0° 12' 00" S 36° 04' 00" E	
Menengai Crater, wall (see Menengai Crater)	Kenya	ca.	0° 12' 00" S 36° 04' 00" E	
Meng River, 6 km NW Tibati (see also: Tibati, 6 km NW)	Cameroon		6° 28' 00" N 12° 38' 00" E	
Menga, near Kikwit	Congo (Democratic Republic of the)		5° 03' 00" S 18° 51' 00" E	
Mengémé Village (see also: Manguémé, Mebueme Village, Mengueme)	Cameroon		3° 15' 00" N 11° 24' 00" E	591 m
Mengo	Uganda		0° 18' 00" N 32° 34' 00" E	1212 m
Mengueme (see Mengémé Village)	Cameroon		3° 15' 00" N 11° 24' 00" E	591 m
Mengueme River, 6 km W (see Soumou River)	Cameroon		3° 18' 00" N 11° 30' 00" E	
Menia governate (see Al Minya governorate)	Egypt			
Mennzel Temine (see Menzel Temime)	Tunisia		36° 46' 56" N 10° 59' 15" E	38 m
Menoufia governate (see Al Minufiyah governorate)	Egypt			
Menzel Jemime (see Menzel Temime)	Tunisia		36° 46' 56" N 10° 59' 15" E	38 m
Menzel Temime (see also: Manzil Tamim, Manzil Tamim, Mennzel Temine, Menzel Jemime, Menzel Temine, Menzel Termine, Menzel-Temimi, Mezel Temime)	Tunisia		36° 46' 56" N 10° 59' 15" E	38 m
Menzel Temime, 3 km SE (see also: Mezel Temime, 3 km SE)	Tunisia		36° 45' 58" N 11° 00' 10" E	
Menzel Temine (see Menzel Temime)	Tunisia		36° 46' 56" N 10° 59' 15" E	38 m
Menzel Termine (see Menzel Temime)	Tunisia		36° 46' 56" N 10° 59' 15" E	38 m
Menzel-Temimi (see Menzel Temime)	Tunisia		36° 46' 56" N 10° 59' 15" E	38 m
Meponda, on E bank Lake Niassa	Mozambique		13° 24' 05" S 34° 52' 14" E	590 m
Meponda, 10 km E	Mozambique		13° 22' 13" S 34° 56' 17" E	
Meponda, 6 km E, near Lake Niassa	Mozambique		13° 21' 53" S 34° 53' 53" E	601 m
Mepuze	Mozambique		23° 12' 19" S 32° 29' 55" E	
Mepuze, S of	Mozambique		24° 10' 05" S 32° 48' 22" E	
Mera, plantation (see Vievenda de Mera, plantation)	Equatorial Guinea		3° 43' 00" N 8° 44' 00" E	
Meratanana	Madagascar			
Merawi (see Marawi)	Sudan		18° 29' 00" N 31° 49' 00" E	275 m
Mere, (government offices) (see also: Mari)	South Sudan		3° 53' 06" N 31° 40' 14" E	1022 m
Merebank	South Africa		29° 57' 06" S 30° 57' 23" E	19 m
Merelle Water, 30 miles S Mount Marsabit (see also: Marsabit, mount, 30 mi [=48 km] S , Mount Marsabit, 30 mi [=48 km] S)	Kenya		1° 23' 00" N 37° 44' 00" E	
Meridi (see Maridi)	South Sudan		4° 54' 53" N 29° 28' 37" E	698 m
Meridi river	Congo (Democratic Republic of the)		4° 40' 00" N 29° 33' 00" E	
Merowe (see Marawi)	Sudan		18° 29' 00" N 31° 49' 00" E	275 m
Merrápué, 6 km N, 10.8 km E Gurue, Malema river (see also: Gurué, 6 km N, 10.8 km E, Murabue)	Mozambique		15° 24' 28" S 37° 04' 30" E	1111 m
Merridi (see Maridi)	South Sudan		4° 54' 53" N 29° 28' 37" E	698 m

Merrimietzie, Farm 576 (see Winburg)	South Africa		28° 32' 00" S 27° 01' 00" E	1494 m
Merrivale	South Africa		29° 31' 00" S 30° 14' 00" E	1031 m
Mersa Matrouh (see Marsá Matru?)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m
Mersa Ma?rû? (see Marsá Matru?)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m
Mersa Matruh, 1 mi [=1.6 km] W (see El Guan)	Egypt	ca.	31° 22' 00" N 27° 07' 00" E	
Mersa Matruh, 15 mi [=24 km] NW (see Zawyet Umm El Rakham (island), 0.5 mi [=0.8 km])	Egypt		31° 24' 00" N 27° 03' 00" E	
Mersa Matruh, 20 mi [=32 km] W (see Marsa Matruh, 20 mi [=32 km] W)	Egypt		31° 21' 00" N 26° 53' 34" E	
Mersa Matruh, 5 mi [=8 km] W (see Al Qasr)	Egypt		31° 22' 00" N 27° 07' 00" E	20 m
Mersa Matruh, near (see Marsa Matruh, near)	Egypt	ca.	31° 21' 00" N 27° 14' 00" E	
Meru	Kenya		0° 03' 00" N 37° 39' 00" E	1581 m
Meru county	Kenya			
Meru crater	Tanzania		3° 14' 31" S 36° 47' 14" E	
Meru district	Kenya			
Meru National Park	Kenya			
Meru river, Northern Guaso Nyiro (see also: Mweru river)	Kenya		0° 03' 00" N 37° 39' 00" E	
Meru river (see Mweru river)	Tanzania			
Meru, mount (see also: Mount Meru)	Tanzania		3° 13' 00" S 36° 40' 00" E	
Merzouga dunes (see Erg Merzouga)	Morocco		31° 04' 16" N 3° 59' 01" W	
Mesaména district (see Messaména district)	Cameroon	ca.	3° 44' 00" N 12° 50' 00" E	
Mesea	Cameroon		3° 00' 00" N 14° 06' 00" E	
Mesewa (see Massawa)	Eritrea		15° 36' 35" N 39° 27' 00" E	6 m
Meski (see also: Mesky)	Morocco		31° 51' 19" N 4° 17' 17" W	957 m
Mesky (see Meski)	Morocco		31° 51' 19" N 4° 17' 17" W	957 m
Méssa (see Massah)	Libya		32° 45' 07" N 21° 37' 36" E	482 m
Messaména district (see also: Mesaména district)	Cameroon	ca.	3° 44' 00" N 12° 50' 00" E	
Messina	South Africa		22° 21' 00" S 30° 03' 00" E	530 m
Messina Nature Reserve	South Africa		22° 23' 00" S 30° 03' 00" E	
Messina, 10 km E (see Mimbo, on Limpopo)	South Africa		22° 20' 00" S 30° 58' 00" E	
Messina, 16 km SW (see Farm Lilliput 246)	South Africa		22° 28' 00" S 29° 56' 00" E	
Messina, 20 km E (see Farm Bokveld)	South Africa		22° 19' 00" S 30° 11' 00" E	
Messina, 32 km E (see Farm Scrutton 23MT)	South Africa		22° 21' 00" S 30° 21' 00" E	1450 ft
Messina, 4 km E (see Musina, 4 km E)	South Africa		22° 21' 00" S 30° 03' 00" E	
Messina, 67 km W (see Farm Greefswald 37MS)	South Africa		22° 12' 00" S 29° 23' 00" E	
Messina, 75 km W (see Farm Greefswald 37MS)	South Africa		22° 12' 00" S 29° 23' 00" E	
Messina, 98 km E (see Madimbo Military area)	South Africa		22° 18' 00" S 30° 52' 00" E	348 m
Messira (see Missira)	Senegal		13° 41' 00" N 16° 30' 01" W	19 m
Metahara, Awash river (see also: Matahara, Metehara)	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Metahara, 1 km W (see also: Matahara, 1 km W, Metehara, 1 km W)	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Metchum River, 10 km E Gwofong	Cameroon	ca.	5° 56' 00" N 10° 07' 00" E	
Metehara (see Metahara), Awash river	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Metehara, 1 km W (see Metahara, 1 km W)	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Metek (see Métet), 62 km NNW Sangmélima	Cameroon		3° 26' 00" N 11° 45' 00" E	485 m
Metema (see also: Gallabat, Matama, Metemma)	Ethiopia		12° 58' 00" N 36° 12' 00" E	684 m
Metema, 30 mi [=48 km] SE (see Wahina)	Ethiopia		12° 30' 00" N 36° 30' 00" E	
Metema, near (see also: Metemma, near)	Ethiopia		12° 58' 00" N 36° 12' 00" E	
Metemma (see Metema)	Ethiopia		12° 58' 00" N 36° 12' 00" E	684 m
Metemma, near (see Metema, near)	Ethiopia		12° 58' 00" N 36° 12' 00" E	
Métet, 62 km NNW Sangmélima (see also: Metek, Metet, Nyong River, near, Sangmélima, 62 km NNW)	Cameroon		3° 26' 00" N 11° 45' 00" E	485 m
Metet (see Métet), Sangmelima, 62 km NNW	Cameroon		3° 26' 00" N 11° 43' 00" E	485 m
Metlaoui and Redeyef, between	Tunisia		34° 20' 00" N 8° 24' 00" E	
Metsweding district	South Africa			
Mettu (see Metu)	Ethiopia		8° 18' 00" N 35° 35' 00" E	1604 m
Metu (see also: Metu Rest Camp)	Uganda		3° 39' 13" N 31° 48' 05" E	1043 m
Metu (see also: Mattu, Mettu)	Ethiopia		8° 18' 00" N 35° 35' 00" E	1604 m
Metu Rest Camp (see Metu)	Uganda		3° 39' 13" N 31° 48' 05" E	1043 m
Mevatanana (see Maevatanana)	Madagascar		16° 57' 00" S 46° 50' 00" E	133 m
Mey Joss	Cameroon			
Méya (cave)	Congo		3° 53' 16" S 14° 31' 19" E	411 m
Meya.Nzou.Ki cave (see Meya-Nzouari, cave)	Congo		3° 53' 16" S 14° 31' 19" E	
Meya.Nzou.Ki, grotte de (see Meya-Nzouari, cave)	Congo		3° 53' 16" S 14° 31' 19" E	

Meya-Nzouari, cave (see also: Grotte de Maya, Grotte de Meya.Nzou.Ki, Kin Damba, Maya cave, Meya.Nzou.Ki cave, Meya.Nzou.Ki, grotte de)	Congo		3° 53' 16" S 14° 31' 19" E	
Meyo Nkoulou, 15 km SE Ambam	Cameroon		2° 16' 00" N 11° 02' 00" E	
Mezan division (see also: Bamenda division)	Cameroon			
Mezel Temime (see Menzel Temime)	Tunisia		36° 46' 56" N 10° 59' 15" E	38 m
Mezel Temime, 3 km SE (see Menzel Temime, 3 km SE)	Tunisia		36° 45' 58" N 11° 00' 10" E	
Mezimbite, 8 km NW Dondo (see also: Dondo, 8 km NW)	Mozambique		19° 35' 00" S 34° 43' 00" E	
Mfaman, near Niefang (see also: Nfaman)	Equatorial Guinea		1° 54' 55" N 10° 13' 56" E	358 m
Mfolozi Game Reserve (see Umfolozi Game Reserve)	South Africa		28° 20' 00" S 31° 50' 00" E	
Mfulu, Songoro [Hill]	Tanzania		3° 19' 00" S 36° 49' 00" E	
Mfundisweni (see also: Emfundisweni, Emfundusweni)	South Africa		30° 54' 00" S 29° 32' 00" E	900 m
Mfutululu [Forest Station], Dududuku forest (see also: Futululu Research Station)	South Africa		28° 25' 00" S 32° 16' 00" E	45 m
Mfuwe [airfield]	Zambia		13° 04' 00" S 31° 49' 00" E	
Mfuwe Game Camp	Zambia		13° 05' 00" S 31° 47' 00" E	305 m
Mgambo Forest Reserve	Tanzania		4° 45' 15" S 38° 48' 10" E	400 m
Mganduli (see Mqanduli)	South Africa		31° 49' 00" S 28° 45' 00" E	682 m
M'gayu	Congo (Democratic Republic of the)		1° 35' 00" N 27° 13' 00" E	
Mgogoni	Tanzania		5° 00' 00" S 39° 44' 00" E	0 m
Mgudeni	Tanzania		6° 49' 00" S 37° 40' 00" E	
Mhadara (see Marsá Matru?)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m
Mhero, 3 km E, 0.7 km N (see Chome Forest Reserve)	Tanzania		4° 18' 00" S 37° 58' 00" E	2000 m
Mhlopeni Ranch	South Africa		29° 01' 00" S 30° 25' 00" E	
Mhlume - Isherene road	Swaziland		26° 06' 07" S 31° 52' 02" E	
Mhlumeni	Swaziland		26° 15' 00" S 32° 06' 00" E	508 m
Mhonda, 6 km N, 6 km W (see Nguru South Forest Reserve)	Tanzania		6° 03' 50" S 37° 31' 25" E	1500 m
Mhonda, 8 km N, 3 km W (see Manyangu Forest Reserve)	Tanzania		6° 02' 50" S 37° 32' 50" E	
Mhotta	Tanzania			
Miami, 4 mi [=6.4 km] E	Zimbabwe		16° 40' 00" S 29° 49' 00" E	
Miamu	Liberia			
Miandrivazo	Madagascar		19° 31' 00" S 45° 28' 00" E	151 m
Mianga, road (see Maiyanga)	Nigeria		9° 24' 00" N 8° 54' 00" E	1370 m
Miari, Between Soua-haze and Soua-hané [sic]	Madagascar			
Miary	Madagascar			
Mica, 22 mi [=35 km] E (see Mathae Ranch)	South Africa		24° 08' 03" S 31° 07' 08" E	3000 ft
Mican, 32 km on the Bata - Niefang road	Equatorial Guinea		1° 51' 55" N 9° 58' 51" E	
Micolo, Agua Luzia / Agua Izé (see also: Playa Micolo)	São Tomé and Principé		0° 24' 13" N 6° 41' 17" E	
Micomeseng (see Mikomeseng), Mengui river, Yebecon / Mikemele river ?	Equatorial Guinea		2° 08' 10" N 10° 36' 48" E	323 m
Micomeseng and Temelón, between (see Mount Temelón Nature Reserve), Nsua river, Asoc	Equatorial Guinea	ca.	2° 02' 00" N 10° 42' 00" E	
Micombe, 30 km S Bata (see also: Bata, 30 km S, Mikombe, Mikonibe)	Equatorial Guinea		1° 39' 47" N 9° 42' 57" E	508 m
Micomo (see Bicomo)	Equatorial Guinea		1° 47' 31" N 9° 52' 16" E	615 m
Mida (see also: Meda)	Kenya		3° 19' 00" S 39° 58' 00" E	2 m
Middelberg, 48 km E (see Farm Wonderfontein)	South Africa		25° 50' 00" S 29° 55' 00" E	
Middelburg	South Africa			
Middelburg, 15 mi [=24 km] W (see Lessingshoogte, Farm)	South Africa		31° 34' 00" S 24° 44' 00" E	
Middelburg, 48 km E (see Farm Wonderfontein)	South Africa		25° 50' 00" S 29° 55' 00" E	
Middelwater, Farm 750 (see Farm Middelwater 750), Hoopstad	South Africa		27° 44' 00" S 25° 26' 00" E	
Middle Atlas (see Moyen Atlas)	Morocco		33° 30' 00" N 4° 30' 00" W	
Middle Garage	South Africa			
MiddlPC:JD|)	Somalia			
MiddlPC:SD|)	Somalia			
Middledrift	South Africa		32° 49' 00" S 26° 59' 00" E	
Middletown	South Africa			
Mid-Illovo, Richmond district	South Africa		29° 58' 00" S 30° 30' 00" E	
Midlands province	Zimbabwe			
Midmar Training Centre	South Africa		29° 31' 45" S 30° 12' 30" E	
Midzik (see Mitzic)	Gabon		0° 47' 00" N 11° 34' 00" E	549 m
Miéri	Cameroon		4° 15' 00" N 13° 59' 00" E	611 m
Miggiesgat cave (see Sudwala Cave), Nelspruit	South Africa		25° 22' 00" S 30° 42' 00" E	845 m
Migori county	Kenya			
Mihindi, lake (see also: Lac Mihindi, Lake Mihindi)	Rwanda		1° 32' 00" S 30° 42' 00" E	

Mihringa (see Mihunga)	Uganda		0° 20' 00" N 30° 02' 00" E	
Mihunga, entrance, Nyakalengija, Rwenzori National Park (see also: Mihringa, Minunga)	Uganda		0° 20' 00" N 30° 02' 00" E	
Mijertein	Somalia		9° 00' 00" N 50° 00' 00" E	
Mikalaie (mission) (see Mikalaya)	Congo (Democratic Republic of the)		6° 01' 00" S 22° 19' 00" E	608 m
Mikalaya (see also: Mikalaie (mission), Mikalaya missie, Mikalaya mission, Mission de Mikalaya, Saint Joseph de Luluabourg (mission), Saint-Joseph (misson), St Joseph mission, St. Jos. (misson), St. Joseph de Luluabourg mission)	Congo (Democratic Republic of the)		6° 01' 00" S 22° 19' 00" E	608 m
Mikalaya missie (see Mikalaya)	Congo (Democratic Republic of the)		6° 01' 00" S 22° 19' 00" E	608 m
Mikalaya mission (see Mikalaya)	Congo (Democratic Republic of the)		6° 01' 00" S 22° 19' 00" E	608 m
Mikamesen (see Mikomeseng)	Equatorial Guinea		2° 08' 10" N 10° 36' 48" E	323 m
Mikea Forest (1) (see Forêt des Mikea (1))	Madagascar		22° 30' 00" S 43° 23' 00" E	15 m
Mikea forest (3) (see Forêt des Mikea (3))	Madagascar	ca.	22° 13' 56" S 43° 21' 50" E	
Mikémele River (see also: Rio Mikémele)	Equatorial Guinea		1° 34' 35" N 10° 04' 43" E	
Mikémele River (see Arroyo Mikémele)	Equatorial Guinea	ca.	1° 34' 35" N 10° 04' 43" E	
Miki	Congo (Democratic Republic of the)		3° 23' 46" S 28° 41' 41" E	2060 m
Mikindani (see also: Old Mikindani)	Tanzania		10° 17' 00" S 40° 07' 00" E	17 m
Mikomesen (see Mikomeseng)	Equatorial Guinea		2° 08' 10" N 10° 36' 48" E	323 m
Mikomeseng, Menigui river, Yebecon (see also: Mekomeseng, Micomeseng, Mikamesen, Mikomesen)	Equatorial Guinea		2° 08' 10" N 10° 36' 48" E	323 m
Mikomibe (see Micomibe)	Equatorial Guinea		1° 39' 47" N 9° 42' 57" E	508 m
Mikonibe (see Micomibe)	Equatorial Guinea		1° 39' 47" N 9° 42' 57" E	508 m
Mikumi National Park (see also: Doma Mikumi Game Controlled Area)	Tanzania		7° 15' 00" S 37° 05' 00" E	876 m
Mikumi National Park, H.Q.	Tanzania		7° 22' 00" S 37° 00' 00" E	
Mila province	Algeria			
Milaliwila Forest Reserve	Tanzania		6° 59' 00" S 37° 45' 00" E	
Milamila	Congo		3° 43' 12" S 12° 27' 14" E	
Milepa (see Aldeia Milepa), Rukwa valley	Mozambique		11° 44' 02" S 36° 17' 32" E	476 m
Milimafedha mine	Tanzania		2° 20' 00" S 34° 50' 00" E	
Millwood Goldmine (museum) (see Knysna)	South Africa		33° 53' 20" S 22° 59' 44" E	
Mim (see also: Mmem village)	Ghana		6° 54' 00" N 2° 34' 00" W	226 m
Mimbo, on Limpopo, 10 km E Messina (see also: Messina, 10 km E)	South Africa		22° 20' 00" S 30° 58' 00" E	
Mimbulu	Congo (Democratic Republic of the)		11° 43' 00" S 27° 19' 00" E	
Mimosa, Farm 454 (see Farm Mimosa 454), 25 km ENE Postmasburg	South Africa		28° 11' 00" S 23° 19' 00" E	
Mimuli	Rwanda		1° 27' 04" S 30° 15' 26" E	
Minaars cave, Krugersdorp	South Africa		26° 00' 23" S 27° 44' 11" E	
Minaki, St. Andrews College (see also: St. Andrews College (Minaki))	Tanzania		6° 54' 01" S 39° 05' 32" E	
Mindola (see Mindolo dam), near Kitwe	Zambia		12° 47' 00" S 28° 09' 00" E	ca. 1200 m
Mindolo dam, near Kitwe (see also: Mindola)	Zambia		12° 47' 00" S 28° 09' 00" E	ca. 1200 m
Mineral King Farm, 6.5 mi [=10 km] S Matopos (see also: Matopos, 6.5 mi [=10 km] S)	Zimbabwe		20° 29' 33" S 28° 27' 05" E	
Mines de Kilo (see Kilomines)	Congo (Democratic Republic of the)		1° 48' 00" N 30° 14' 00" E	1466 m
Minghi (see Arba Minch')	Ethiopia		6° 02' 00" N 37° 33' 00" E	1284 m
Minkan, near Niefang, on Rio Ekuku	Equatorial Guinea	ca.	1° 50' 00" N 10° 07' 00" E	
Minshat al Bakkari (see Mandisha)	Egypt		30° 01' 08" N 31° 08' 23" E	
Minshât el-Bakkâri (see Mandisha)	Egypt		30° 01' 08" N 31° 08' 23" E	
Mintjaminyumin (see Mintyaminyoumin), 4 km NNE Sangméelima (see also: Sangmélima, 4 km NNE)	Cameroon		3° 01' 00" N 12° 02' 00" E	794 m
Mintyaminyoumin, 4 km NNE Sangméelima (see also: Mintjaminyumin)	Cameroon		3° 01' 00" N 12° 02' 00" E	794 m
Minunga (see Mihunga)	Uganda		0° 20' 00" N 30° 02' 00" E	
Minvoul, 28 km ESE (see Projet OIBT trail (PK 24))	Gabon		2° 05' 12" N 12° 22' 30" E	600 m
Minvoul, 31 km ESE (see Projet OIBT trail (PK 29))	Gabon		2° 04' 48" N 12° 24' 24" E	600 m
Minziro	Tanzania		1° 04' 00" S 31° 32' 00" E	
Minziro Forest Reserve	Tanzania		1° 03' 00" S 31° 32' 00" E	
Miong River (see Río Miong)	Equatorial Guinea	ca.	1° 22' 13" N 10° 42' 00" E	
Miringoni	Comoro Islands		12° 17' 48" S 43° 38' 07" E	7 m

Misahoehe (see Missahohé)	Togo		6° 57' 00" N 0° 35' 00" E	473 m
Misahöhe (see also: Missahohé)	Ghana		6° 57' 00" N 0° 06' 00" E	
Misahohe (see Missahohé)	Togo		6° 57' 00" N 0° 35' 00" E	473 m
Misahöhé (see Missahohé)	Togo		6° 57' 00" N 0° 35' 00" E	473 m
Misingi, near Sanya Inn	Tanzania		3° 24' 00" S 37° 06' 00" E	
Misoma (see Musoma)	Tanzania		1° 30' 00" S 33° 48' 00" E	
Misotschi-Kabogo Highlands	Congo (Democratic Republic of the)		5° 06' 19" S 29° 03' 56" E	1880 m
Misour (see Missour)	Morocco		33° 03' 00" N 3° 59' 24" W	895 m
Misr (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
Misr al Qadimah (see also: Al-Fustat, El Fostat, El Fustat, Masr al-Qadimah, Old Cairo)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
MisratPC:MS|)	Libya			
Misratah district (see also: Misrata district |PC: MS|)	Libya			
Missahohé (see also: Misahoehe, Misahohe, Misahöhé)	Togo		6° 57' 00" N 0° 35' 00" E	473 m
Missahohé (see Misahöhe)	Ghana		6° 57' 00" N 0° 06' 00" E	
Missale	Zambia		14° 05' 00" S 32° 58' 00" E	
Missale Customs Post	Zambia		14° 04' 00" S 33° 00' 00" E	
Missale Old Mine	Zambia		14° 05' 00" S 32° 59' 00" E	
Misserghin, 12 km SW Oran (see also: Oran, 12 km SW)	Algeria		35° 36' 42" N 0° 44' 27" W	78 m
Misserghin Gorge, cave of 4th source	Algeria	ca.	35° 36' 17" N 0° 44' 13" W	
Mission de Kinzambi (see Kinzambi mission)	Congo (Democratic Republic of the)		4° 58' 38" S 18° 46' 28" E	312 m
Mission de Liège Sacre-Coeur (see Kanzenze mission)	Congo (Democratic Republic of the)		10° 31' 00" S 25° 12' 00" E	1157 m
Mission de Luanza (see Luanza mission)	Congo (Democratic Republic of the)		8° 42' 00" S 28° 42' 00" E	1132 m
Mission de Mikalaya (see Mikalaya)	Congo (Democratic Republic of the)		6° 01' 00" S 22° 19' 00" E	
Mission Kasenga (see Kasenga)	Congo (Democratic Republic of the)		10° 22' 00" S 28° 38' 00" E	938 m
Mission Kashiobwe (see Kashiobwe)	Congo (Democratic Republic of the)		9° 39' 00" S 28° 37' 00" E	918 m
Mission Protestante de Samkita (see Samkita)	Gabon		0° 27' 00" S 10° 27' 00" E	81 m
Mission Rocks	South Africa		28° 15' 36" S 32° 29' 48" E	4 m
Mission Rocks (Eastern Shore)	South Africa		28° 16' 00" S 32° 29' 00" E	10 m
Mission Rocks Bats Cave, 16 km N S. Lucia estuary (see also: Bat's Cave, Mission Rocks, St. Lucia Estuary, 12 km N, 8 km E, St. Lucia estuary, 16 km N)	South Africa		28° 16' 00" S 32° 30' 00" E	0 m
Mission Rocks Outpost	South Africa		28° 16' 02" S 32° 29' 30" E	
Mission Sacre Coeur (see Sacred Heart mission), near Kikwit	Congo (Democratic Republic of the)		5° 01' 43" S 18° 50' 47" E	
Mission Sainte Thérèse (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Mission St Gerard (see Kapolowe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 57' 00" E	1135 m
Mission St Joseph (see Kananga)	Congo (Democratic Republic of the)		5° 53' 45" S 22° 25' 04" E	608 m
Missira (see also: Messira, Missirah, Missirah Saloum)	Senegal		13° 41' 00" N 16° 30' 01" W	19 m
Missirah (see Missira)	Senegal		13° 41' 00" N 16° 30' 01" W	19 m
Missirah Saloum (see Missira)	Senegal		13° 41' 00" N 16° 30' 01" W	19 m
Missour (see also: Misour)	Morocco		33° 03' 00" N 3° 59' 24" W	895 m
Missour, 15 km SW	Morocco		33° 07' 59" N 4° 04' 59" W	
Mistandunga	Congo (Democratic Republic of the)		2° 05' 00" S 16° 22' 00" E	228 m
Mistinjo, Forests east of Fianarantsoa	Madagascar			
Misu	Congo (Democratic Republic of the)		1° 45' 00" N 30° 18' 00" E	
Misuku Hills	Malawi		9° 40' 00" S 33° 33' 00" E	
Misuku Mission (see also: Misuku-Mughese Mission, Mzedi Mission and School)	Malawi		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
Misuku-Mughese Mission (see Misuku Mission)	Malawi		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
Mitaho cave, near (see Grotte de Mitaho, près)	Madagascar		24° 02' 50" S 43° 45' 09" E	
Mitchells Pass	South Africa		33° 22' 00" S 19° 20' 00" E	
Mitford Park, Farm (see Farm Mitford Park)	South Africa		33° 12' 00" S 26° 06' 00" E	700 m
Mitondo (see also: Mtondo)	Malawi		16° 17' 00" S 35° 04' 00" E	317 m

Mitooma district	Uganda			
Mitsewa (see Massawa)	Eritrea		15° 36' 35" N 39° 27' 00" E	6 m
Mitsidi (see Manyowa Hill)	Malawi			
Mits'iwa (see Massawa)	Eritrea		15° 36' 35" N 39° 27' 00" E	6 m
Mitunbur (see Mtembur)	Kenya		1° 21' 00" N 35° 03' 00" E	1219 m
Mitwaba territory	Congo (Democratic Republic of the)		8° 39' 00" S 27° 20' 00" E	
Mityana district	Uganda			
Mitzic (see also: Midzik, Mitzick, Mitzig, Mitzig, Mitzik)	Gabon		0° 47' 00" N 11° 34' 00" E	549 m
Mitzick (see Mitzic)	Gabon		0° 47' 00" N 11° 34' 00" E	549 m
Mitzig (see Mitzic)	Gabon		0° 47' 00" N 11° 34' 00" E	549 m
Mitzig (see Mitzic)	Gabon		0° 47' 00" N 11° 34' 00" E	549 m
Mitzik (see Mitzic)	Gabon		0° 47' 00" N 11° 34' 00" E	549 m
Miveya (see Mweya Lodge)	Uganda		0° 14' 27" S 29° 55' 08" E	914 m
Mizdah municipality	Libya			
Mizi Miombe Hill	Tanzania		5° 23' 00" S 39° 42' 00" E	
Mizu - Tétouan	Morocco			
MjiniPC:ZW|)	Tanzania			
Mkalama	Tanzania		4° 07' 00" S 34° 38' 00" E	1215 m
Mkambati Game Reserve, 4.1 km N, 1.1 km W Msikaba River Mouth (see also: Msikaba River Mouth, 4.1 km N, 1.1 km W)	South Africa		31° 17' 00" S 29° 57' 24" E	5 m
Mkanda River	Kenya		4° 24' 26" S 39° 19' 18" E	
Mkangasi	Tanzania	ca.	6° 37' 35" S 30° 18' 32" E	
Mkanyageni (see also: Mkanyagini)	Tanzania		5° 24' 00" S 39° 40' 00" E	
Mkanyagini (see Mkanyageni)	Tanzania		5° 24' 00" S 39° 40' 00" E	
Mkar, 7 mi [=11 km] SE Gboko (see also: Gboko, 7 mi [=11 km] SE)	Nigeria		7° 20' 00" N 9° 02' 00" E	434 m
Mkaya Camp	South Africa		27° 23' 24" S 31° 53' 24" E	
Mkhaya	Swaziland		26° 37' 00" S 31° 46' 00" E	
Mkhaya Game Reserve	Swaziland		26° 37' 48" S 31° 46' 12" E	
Mkhomazi Wilderness Area	South Africa			
MkhotPC:NK|) (see also: Ampijoara Forest)	Malawi	ca.	12° 48' 15" S 34° 04' 59" E	
Mkhuze Game Reserve (see uMkhuze Game Reserve)	South Africa		27° 39' 00" S 32° 14' 30" E	62 m
Mkhuzweni Primary School	Swaziland		25° 53' 00" S 31° 31' 00" E	
Mkoani (see also: Kobani)	Tanzania		5° 22' 00" S 39° 39' 00" E	0 m
Mkokotoni, Zanzibar (see also: Kokotoni)	Tanzania		5° 52' 00" S 39° 15' 00" E	0 m
Mkomasi (see Mkomazi)	Tanzania		4° 38' 00" S 38° 05' 00" E	485 m
Mkomazi (see also: Mkomasi)	Tanzania		4° 38' 00" S 38° 05' 00" E	485 m
Mkomazi Game Reserve	Tanzania		4° 10' 00" S 38° 10' 00" E	
Mkonumbi (see Mkunumbi), near Kitu	Kenya		2° 18' 44" S 40° 42' 04" E	15 m
Mkonumbia (see Mkunumbi), near Kitu	Kenya		2° 18' 44" S 40° 42' 04" E	15 m
Mkulumsi (see Kulumuzi caves)	Tanzania		5° 04' 00" S 39° 06' 00" E	
Mkulumuzi caves (see Amboni caves), 3 mi N Tanga	Tanzania		5° 04' 00" S 39° 03' 00" E	
Mkulumuzi River Gorge, 2.5 km W Tanga (see also: Amboni Cave Forest, Tanga, 2.5 km W)	Tanzania		5° 04' 00" S 39° 03' 00" E	36 m
Mkundi (see also: Makuya)	Tanzania		6° 19' 00" S 37° 23' 00" E	536 m
Mkunguni (see Kizimkazi), Zanzibar	Tanzania		6° 27' 00" S 39° 28' 00" E	0 m
Mkungwe Forest Reserve	Tanzania		6° 52' 00" S 37° 55' 00" E	
Mkunumbi, near Kitu (see also: Mkonumbi, Mkonumbia, Nkunumbi)	Kenya		2° 18' 44" S 40° 42' 04" E	15 m
Mkusi Game Reserve (see uMkhuze Game Reserve)	South Africa		27° 39' 00" S 32° 14' 30" E	62 m
Mkuze (River Bridge)	South Africa		27° 35' 57" S 32° 18' 07" E	45 m
Mkuze Game Reserve (see uMkhuze Game Reserve)	South Africa		27° 39' 00" S 32° 14' 30" E	62 m
Mkuze River, 15 km E Mkuzi village, N Mtshopi (see also: Mkuzi River)	South Africa		27° 52' 00" S 32° 29' 00" E	
Mkuze, 25 km N (see Pongola Biosphere Reserve, Mpalane Lodge)	South Africa			172 m
Mkuzi Game Reserve (see uMkhuze Game Reserve), 15 km E Mkuzi village	South Africa		27° 39' 00" S 32° 14' 30" E	
Mkuzi Reserve, border RSA and Mozambique	Mozambique			
Mkuzi River (see Mkuze River), 15 km E Mkuzi village	South Africa		27° 52' 00" S 32° 29' 00" E	
Mkuzi village, 15 km E (see Bube pan)	South Africa		27° 37' 58" S 32° 11' 03" E	94 m
Mkvani	Tanzania	ca.	5° 03' 59" S 39° 46' 39" E	
Mkwaja Ranch Forests	Tanzania		5° 52' 00" S 38° 47' 00" E	
Mkwashi (see Mkwisi)	Zambia		15° 54' 00" S 28° 36' 00" E	
Mkwesi (see Mkwisi)	Zambia		15° 54' 00" S 28° 36' 00" E	

Mkwikane cave, 2 km W Malondo Village (see also: Malondo Village, 2 km W)	Cameroon			
Mkwishi (see Mkwisi)	Zambia		15° 54' 00" S 28° 36' 00" E	
Mkwisi (see also: Mkwashi, Mkwesi, Mkwishi, Mkwisi, Mukwishi, Mukwisi)	Zambia		15° 54' 00" S 28° 36' 00" E	
Mkwisi (see Mkwisi)	Zambia		15° 54' 00" S 28° 36' 00" E	
Mlange (see Mulanje), District HQ	Malawi		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje (see Mulanje), District HQ	Malawi		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje Boima (see Mulanje), District HQ	Malawi		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje Mountain (see Mulanje mountains)	Malawi		15° 58' 00" S 35° 38' 00" E	4000 ft
Mlanje Plateau (see Mulanje mountains)	Malawi		15° 58' 00" S 35° 38' 00" E	4000 ft
Mlawula Estates	Swaziland		26° 12' 00" S 32° 01' 00" E	760 m
Mlawula Nature Reserve, S of Siphiso, 10 km NE Simunye	Swaziland		26° 12' 00" S 32° 01' 00" E	760 m
Mlawula Nature Reserve, site 1, Siphiso, S	Swaziland		26° 10' 49" S 32° 02' 57" E	
Mlawula Nature Reserve, site 2, Siphiso, S	Swaziland		26° 11' 08" S 32° 00' 21" E	
Mlawula Nature Reserve, site 3	Swaziland		26° 12' 30" S 32° 00' 18" E	760 m
Mlawula road, 4 km from junction, Simunye	Swaziland		26° 10' 25" S 31° 59' 33" E	
Mlawula Weir	Swaziland		26° 11' 28" S 32° 00' 18" E	
Mlima, near (see Patsi, Mlima (hill), near), 2.1 km SE Patsi	Comoro Islands		12° 11' 10" S 44° 29' 00" E	690 m
Mlola Forest (see Mlolo Forest)	Tanzania		7° 51' 14" S 39° 46' 49" E	20 m
Mlolo Forest (see also: Mlola Forest)	Tanzania		7° 53' 00" S 39° 51' 00" E	20 m
Mlumbaji stream camp	Tanzania	ca.	8° 24' 22" S 35° 40' 57" E	
Mmabolela Estates [farmstead], 14 mi NW Maasstroom (see also: Maasstroom, 24 km NW)	South Africa		22° 38' 00" S 28° 17' 00" E	
Mmem village (see Mim)	Ghana		6° 54' 00" N 2° 34' 00" W	226 m
Mnangadyana Koppie, cave, 14 km N Orpen Gate (see also: Orpen Gate, 14 km N)	South Africa		24° 21' 00" S 31° 24' 00" E	
Mnara	Tanzania		10° 07' 00" S 39° 24' 00" E	
Mnyombe, Isoka	Zambia			
Mnyouri Jardin	South Sudan			
Moal (see Oti (River))	Togo		7° 48' 00" N 0° 08' 00" E	
Moale (see Oti (River))	Togo		7° 48' 00" N 0° 08' 00" E	
Moamba	Mozambique		25° 35' 46" S 32° 14' 36" E	112 m
Moana Marine Station, 1 km S, 2 km E Ukunda (see also: Ukunda, 1 km S, 2 km E)	Kenya		4° 18' 00" S 39° 35' 00" E	
Moanda (see Muanda)	Congo (Democratic Republic of the)		5° 56' 00" S 12° 21' 00" E	0 m
Moanduli (see Mqanduli)	South Africa		31° 49' 00" S 28° 45' 00" E	682 m
Moane, SE Ukunda	Kenya		4° 18' 00" S 39° 35' 00" E	
Moatize, 17 km E (see also: Muatize, 17 km E, Villa Moatize, 17 km E)	Mozambique		16° 05' 00" S 33° 42' 00" E	
Moba (see also: Baudhuinville, Baudouinville, Boudewijnstad)	Congo (Democratic Republic of the)		7° 03' 00" S 29° 47' 00" E	763 m
Moba - Mplala road, km 35 (see Kikango)	Congo (Democratic Republic of the)		6° 37' 00" S 29° 30' 00" E	
Moba [stream]	Cameroon		2° 47' 00" N 14° 30' 00" E	
Moba territory	Congo (Democratic Republic of the)		4° 18' 00" N 21° 11' 00" E	
Mobange-Isongo (see also: Mubange, Mubenge)	Cameroon		4° 05' 00" N 9° 00' 00" E	0 m
Mobasa, 20 mi [=32 km] S (see Diani)	Kenya		4° 16' 19" S 39° 34' 08" E	
Mobuka Valley (see Mubuku Valley), Ruwenzori East	Uganda		0° 11' 00" N 30° 14' 00" E	13000 ft
Mobuku Valley (see Mubuku Valley), Ruwenzori East	Uganda		0° 11' 00" N 30° 14' 00" E	13000 ft
Mobutu Sese Seko, lake (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Moca (see also: Moka)	Equatorial Guinea		3° 20' 00" N 8° 40' 00" E	1013 m
Moçambique, Ilha de (see Mozambique Island)	Mozambique		15° 02' 00" S 40° 44' 00" E	
Moçâmedes (see Namibe)	Angola		15° 11' 46" S 12° 09' 08" E	44 m
Mockford Garden (see also: Mockford's Garden)	South Africa		22° 26' 00" S 31° 18' 00" E	
Mockford's Garden (see Mockford Garden)	South Africa		22° 26' 00" S 31° 18' 00" E	
Moco, mount, 42 km WSW Luimbale (see also: Luimbale, 42 km WSW, Monte Soque, Mount Moco, Mount Soque, Soque, mount)	Angola		12° 30' 00" S 15° 10' 00" E	
Moctow, 50 mi [=80 km] S (see Maktau, 50 mi [=80 km] S)	Kenya		3° 24' 00" S 38° 08' 00" E	
Modder Fontein, Farm (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok	South Africa		29° 41' 00" S 17° 48' 00" E	
Modderfontein	South Africa		26° 05' 00" S 28° 10' 00" E	1577 m
Modderfontein, Farm (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok	South Africa		29° 41' 00" S 17° 48' 00" E	

Modderfontein, Farm (see Farm Modderfontein), 24 km SE Potgietersrus	South Africa		24° 20' 00" S 29° 12' 00" E	
Modderfontein, Farm (see Farm Modderfontein), 13 km NE Malmesbury	South Africa		33° 25' 00" S 18° 51' 00" E	
Modimolle, 3 km NW (see also: Nylstroom, 3 km NW)	South Africa		24° 40' 20" S 28° 22' 38" E	1350 m
Moebase (see also: Moebaze)	Mozambique		17° 03' 47" S 38° 41' 39" E	0 m
Moebaze (see Moebase)	Mozambique		17° 03' 47" S 38° 41' 39" E	0 m
Moeketsi (see Farm Mokeetsi)	South Africa		23° 35' 00" S 30° 05' 00" E	
Moemba village, Isoka district (see also: Mpemba village)	Zambia		10° 24' 00" S 33° 20' 00" E	1440 m
Moenda	Congo (Democratic Republic of the)		0° 25' 00" N 29° 46' 00" E	
Moenge	Congo (Democratic Republic of the)		2° 03' 00" N 22° 51' 54" E	508 m
Moera	Congo (Democratic Republic of the)		0° 39' 00" N 29° 30' 00" E	1000 m
Moera's village, 25 km NW Beni, Ituri drainage (see also: Beni, 25 km NW)	Congo (Democratic Republic of the)	ca.	0° 35' 00" N 29° 25' 00" E	914 m
Moeris, Lake (see also: Lake Moeris)	Egypt		29° 33' 00" N 30° 42' 00" E	
Moero meer (see Moero, lake)	Congo (Democratic Republic of the)		9° 00' 00" S 28° 45' 00" E	
Moero, lake (see also: Lac Moero, Lake Moero, Moero meer)	Congo (Democratic Republic of the)		9° 00' 00" S 28° 45' 00" E	
Mogadar (see Essaouira)	Morocco		31° 30' 47" N 9° 46' 11" W	11 m
Mogadiisho (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadischu (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadiscio (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadiscio (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadish (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadishiu (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadisho (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadishu (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
MogadPC:BN|)	Somalia			
Mogadishu, 3 mi [=4.8 km] N (see Muqdisho, 3 mi [=4.8 km] N)	Somalia	ca.	2° 04' 00" N 45° 22' 00" E	
Mogadisio, 3 mi [=4.8 km] N (see Muqdisho, 3 mi [=4.8 km] N)	Somalia	ca.	2° 04' 00" N 45° 22' 00" E	
Mogador (see Essaouira)	Morocco		31° 30' 47" N 9° 46' 11" W	11 m
Mogale City (see Krugersdorp)	South Africa		26° 06' 00" S 27° 46' 00" E	
Mogbwamu river	Congo (Democratic Republic of the)		4° 35' 00" N 29° 44' 00" E	
Mogiri Hill, NE of town	South Sudan		3° 56' 56" N 31° 36' 19" E	953 m
Mogiri, NW of town	South Sudan		3° 56' 52" N 31° 34' 40" E	929 m
Mogiri, Reeder family compound, Lire Payam	South Sudan		3° 56' 09" N 31° 36' 29" E	1024 m
Mogotio, 3 mi [=4.8 km] N	Kenya		0° 03' 00" N 35° 58' 01" E	1524 m
Mohale's Hoek district	Lesotho			
Mohammedia prefecture	Morocco			
MohélPC:MO|)	Comoro Islands			
Mohembo, Ngamiland	Botswana		18° 18' 00" S 21° 48' 00" E	997 m
Mohila (see Al Muwayli?), Red Sea Coast	Saudi Arabia		27° 41' 00" N 35° 28' 00" E	0 m
Mohoro (see also: Mohorro plantation)	Tanzania		8° 08' 00" S 39° 10' 00" E	19 m
Mohoro, cultural centre	Comoro Islands		11° 49' 33" S 43° 26' 46" E	163 m
Mohorro plantation (see Mohoro)	Tanzania		8° 08' 00" S 39° 10' 00" E	19 m
Moi's bridge (see Hoey's Bridge)	Kenya		0° 52' 34" N 35° 07' 13" E	1822 m
Mojoni (see Muyuni), Zanzibar	Tanzania		6° 22' 00" S 39° 28' 00" E	0 m
Moka, on/near Rio Lobo, on Evinayong - Niefang road (see also: Cueva de Esong, Cueva Moro, Esong cave, Moro cave)	Equatorial Guinea	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Moka (see Moca)	Equatorial Guinea		3° 20' 00" N 8° 40' 00" E	1013 m
Moka district	Mauritius			
Moka river (see Moko river)	Congo (Democratic Republic of the)		4° 09' 00" N 29° 43' 00" E	
Mokeetsi, Farm (see Farm Mokeetsi), Letaba-Tzaneen	South Africa		23° 35' 00" S 30° 05' 00" E	
Mokeetsi, Farm 376 (see Farm Duiwelskloof 376), Tzaneen	South Africa		23° 42' 00" S 30° 08' 00" E	
Moketsi (see Farm Mokeetsi)	South Africa		23° 35' 00" S 30° 05' 00" E	
Mokhotlong district	Lesotho			
Moko river (see also: Moka river)	Congo (Democratic Republic of the)		4° 09' 00" N 29° 43' 00" E	
Mokolo	Cameroon		10° 44' 25" N 13° 48' 10" E	760 m
Mokolo - Mayo Louti road	Cameroon		10° 42' 00" N 13° 44' 00" E	
Moks, mount, Luimbale (see also: Mount Moks)	Angola		12° 13' 00" S 15° 19' 00" E	

Mokula	Equatorial Guinea		1° 02' 47" N 11° 09' 47" E	
(see also: Borg, mount, Uokula)				
Mokwa	Nigeria		9° 17' 00" N 5° 03' 00" E	87 m
Molai Forest Reserve	Nigeria		11° 44' 04" N 13° 05' 44" E	
Molard (see Nimba, mount)	Guinea		7° 37' 00" N 8° 25' 00" W	
Mole (see Molo)	Kenya		0° 15' 00" S 35° 44' 00" E	
Mole Game Reserve	Ghana		9° 50' 00" N 1° 49' 00" W	
(see also: Mole National Park)				
Mole Game Reserve, river below Headquarters	Ghana	ca.	9° 50' 00" N 1° 49' 00" W	
Mole Motel, Damongo	Ghana		9° 50' 00" N 1° 49' 00" W	
Mole Motel, 2nd dam below	Ghana	ca.	9° 50' 00" N 1° 49' 00" W	
Mole National Park (see Mole Game Reserve)	Ghana		9° 50' 00" N 1° 49' 00" W	
Mole National Park Headquarters	Ghana		9° 50' 00" N 1° 49' 00" W	
Molepolole	Botswana		24° 24' 00" S 25° 31' 00" E	1189 m
Moliko	Cameroon		4° 09' 34" N 9° 16' 55" E	594 m
Moliko, CDC Banana plantation	Cameroon		4° 09' 00" N 9° 12' 00" E	
Molindi river	Congo (Democratic Republic of the)		1° 09' 00" S 29° 19' 00" E	1000 m
Moliro	Congo (Democratic Republic of the)		8° 13' 00" S 30° 34' 00" E	764 m
Moliwe, 11.3 km N of Victoria	Cameroon		4° 03' 59" N 9° 14' 48" E	174 m
(see also: Victoria, 11.3 km N)				
Molo, 30 mi [=48 km] SW lake Hannington	Kenya		0° 15' 00" S 35° 44' 00" E	
(see also: Bogoria, 30 mi [=48 km] SW, Hannington, 30 mi [=48 km] SW, Lake Bogoria, 30 mi [=48 km] SW, Lake Hannington, 30 mi [=48 km] SW, Mole)				
Molo river	Kenya		0° 32' 00" N 36° 05' 00" E	1067 m
Molo, 4 mi [=6.4 km] E	Kenya		0° 13' 59" S 35° 45' 00" E	2347 m
Molo, near	Kenya		0° 15' 00" S 35° 48' 20" E	
Molongori, 25 mi [=40 km] SE Torit	South Sudan		4° 10' 27" N 32° 50' 32" E	1182 m
(see also: Torit, 25 mi [=40 km] SE)				
Molopo Nature Reserve (see Molopo Naturellereserwe)	South Africa		25° 53' 00" S 25° 34' 00" E	
Molopo Naturellereserwe	South Africa		25° 53' 00" S 25° 34' 00" E	
(see also: Molopo Nature Reserve)				
Molteno	South Africa		31° 23' 47" S 26° 21' 45" E	1580 m
Molteno, 7.7 km N, 30.5 km E (see Farm Freredell)	South Africa		31° 19' 36" S 26° 40' 58" E	1870 m
Momandu Hill (see Muumandu)	Kenya		1° 40' 00" S 37° 17' 00" E	
Mombane (see Nove Mambone)	Mozambique		20° 59' 17" S 35° 01' 20" E	10 m
Mombas (see Mombasa)	Kenya		4° 03' 00" S 39° 40' 00" E	0 m
Mombasa	Kenya		4° 03' 00" S 39° 40' 00" E	0 m
(see also: Mombas, Mombassa, Mvita)				
Mombasa county	Kenya			
Mombasa, 10 km S (see Ngombeni location)	Kenya		4° 07' 49" S 39° 36' 51" E	31 m
Mombasa, 11 km S (see Ngombeni location)	Kenya		4° 07' 49" S 39° 36' 51" E	31 m
Mombasa, 12.8 km S	Kenya		4° 09' 57" S 39° 40' 00" E	
Mombasa, 13 km S	Kenya		4° 04' 00" S 39° 40' 00" E	
Mombasa, 20 km N (see Kunumara Conference Center)	Kenya		3° 52' 09" S 39° 40' 00" E	
Mombasa, 20 mi [=32 km] N (see Vipingo)	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Mombasa, 22 mi N	Kenya	ca.	4° 03' 00" S 39° 40' 00" E	
Mombasa, 25 km S (see Tiwi)	Kenya		4° 14' 00" S 39° 35' 00" E	5 m
Mombasa, 25 mi [=40 km] N (see Vipingo)	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Mombasa, 4 mi [=6.4 km] S	Kenya		4° 04' 00" S 39° 40' 00" E	
Mombasa, 8 km S	Kenya	ca.	4° 04' 00" S 39° 40' 00" E	
Mombasa, 8 mi S	Kenya	ca.	4° 04' 00" S 39° 40' 00" E	
Mombasa, cave near	Kenya	ca.	4° 03' 00" S 39° 40' 00" E	
Mombasa, S of	Kenya		4° 04' 00" S 39° 40' 00" E	
Mombasa, well S	Kenya	ca.	4° 03' 00" S 39° 40' 00" E	
Mombassa (see Mombasa)	Kenya		4° 03' 00" S 39° 40' 00" E	0 m
Mombeshi river (see Mwombezhi river)	Zambia		12° 52' 00" S 25° 59' 00" E	
Mombezhi river (see Mwombezhi river)	Zambia		12° 52' 00" S 25° 59' 00" E	
Mombo	Tanzania		4° 53' 00" S 38° 17' 00" E	513 m
MomPort (see Mampong), Lakeside	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
Monastir governorate	Tunisia			
Monavale (see Monovale), Harare	Zimbabwe		17° 48' 17" S 31° 01' 00" E	1431 m
Moncorer, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Mondo River, S boundary	Zimbabwe			
Mondombe	Congo (Democratic Republic of the)		0° 53' 00" S 22° 45' 00" E	414 m
Mondou, near	Chad	ca.	8° 34' 00" N 16° 05' 00" E	
Mondu, near	Chad	ca.	8° 34' 00" N 16° 05' 00" E	
Mondunga II chefferie	Congo (Democratic Republic of the)			
Mondwe Valley	Malawi		10° 24' 00" S 33° 50' 00" E	1700 m
Monga Tea Estate, 4.5 km ESE Amani	Tanzania		5° 06' 00" S 38° 36' 00" E	
(see also: Amani, 4.5 km ESE)				

Mongakatompo (see Manjakatompo-Firaisana)	Madagascar		19° 20' 00" S 47° 26' 00" E	1552 m
Mongala (see Mongalla)	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Mongala province	Congo (Democratic Republic of the)			
Mongalla (see also: Gondokoro, 25 mi [=40 km] N, Mangala, Manqalah, Mongala, Monqala)	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Mongberi, near Bo	Sierra Leone		7° 58' 00" N 11° 54' 00" W	
Mongbwala (see Mongbwalu)	Congo (Democratic Republic of the)		1° 57' 00" N 30° 02' 00" E	1374 m
Mongbwalu (see also: Mongbwala)	Congo (Democratic Republic of the)		1° 57' 00" N 30° 02' 00" E	1374 m
Mongende	Congo (Democratic Republic of the)		2° 06' 00" S 16° 20' 00" E	
Mongiro	Uganda		0° 50' 00" N 30° 10' 00" E	1098 m
Mongola (see Mangola), SW Oldeami	Tanzania		3° 26' 00" S 35° 25' 00" E	1394 m
Mongomo to Asork [=Nsork] road, km 10	Equatorial Guinea	ca.	1° 31' 42" N 11° 18' 03" E	
Mongomo to Ebebiying road, km 10	Equatorial Guinea	ca.	1° 41' 38" N 11° 15' 28" E	
Mongomo to Nsoc road, km 35 (see Ndume cave)	Equatorial Guinea	ca.	1° 18' 20" N 11° 16' 44" E	
Mongoumba	Central African Republic		3° 38' 30" N 18° 35' 37" E	337 m
Mongu (see also: Mungu)	Zambia		15° 15' 00" S 23° 08' 00" E	1009 m
Mongu N.R., 10 mi [=16 km] N	Zambia		15° 06' 00" S 23° 09' 00" E	1024 m
Mongu, 70 km NE (see Ndanda)	Zambia		14° 58' 00" S 23° 45' 00" E	1086 m
Mongué Misison	Mozambique		23° 41' 33" S 35° 22' 19" E	
Monjakatompo (see Manjakatompo-Firaisana)	Madagascar		19° 20' 00" S 47° 26' 00" E	1552 m
Monkey Bay (see also: Lusumbwe)	Malawi		14° 05' 00" S 34° 55' 00" E	496 m
Monkey Bay, 4 - 5 km from, on road from Monkey Bay to Mtakataka	Malawi	ca.	14° 07' 00" S 34° 53' 00" E	
Monkorer, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Mono (see Mano river)	Liberia		7° 30' 00" N 10° 57' 00" W	
Mono department	Benin			
Mono-Atchinedji	Togo		7° 34' 00" N 1° 21' 00" E	
Monovale, Harare (see also: Monavale)	Zimbabwe		17° 48' 17" S 31° 01' 00" E	1431 m
Monqala (see Mongalla)	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Monrovia (see also: Ceasar's Beach)	Liberia		6° 18' 38" N 10° 48' 17" W	0 m
Monrovia	Liberia			
Mont Fink (see Fink, mount)	Somalia			
Mont Hoyo (see Hoyo, mount)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mont Hoyo cave (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mont Hoyo, grottes (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mont Manengouba (see Manengouba mountains)	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	1000 m
Mont Nimba (see Nimba, Mount)	Côte d'Ivoire	ca.	7° 35' 00" N 8° 25' 00" W	
Mont Richard-Molard (see Nimba, mount)	Guinea		7° 37' 00" N 8° 25' 00" W	
Montagne d'Ambre (Parc National) (see Ambohitra, 6 km S), 6 km S Joffreville	Madagascar		12° 37' 00" S 49° 09' 00" E	1000 m
Montagne des Français (see Tendrombohitr' Antsingy)	Madagascar		12° 22' 20" S 49° 21' 59" E	
Montagne des Francis (see Tendrombohitr' Antsingy)	Madagascar		12° 22' 20" S 49° 21' 59" E	
Montagnes	Côte d'Ivoire			
Montagu caves, near Ashton (see also: Montague cave(s))	South Africa		33° 47' 10" S 20° 07' 22" E	
Montagu Mountain Reserve, 2 km N, 3 km W Montagu (see also: Montagu, 2 km N, 3 km W)	South Africa		33° 46' 00" S 20° 05' 00" E	300 m
Montagu, 2 km N, 3 km W (see Montagu Mountain Reserve)	South Africa		33° 46' 00" S 20° 05' 00" E	300 m
Montagu, 5.2 km S, 5.0 km E (see Farm Guano Caves 163)	South Africa		33° 49' 58" S 20° 10' 28" E	420 m
Montagu, 9.2 km N (see Farm "Baden")	South Africa		33° 42' 14" S 20° 07' 14" E	350 m
Montague cave(s) (see Montagu caves), near Ashton	South Africa		33° 47' 10" S 20° 07' 22" E	
Montclair	South Africa		29° 55' 14" S 30° 58' 08" E	70 m
Monte Abuna Iosef (see Abune Yosef, mountain)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Monte Abuna-Josef (see Abune Yosef, mountain)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Monte Alen, on Evinayong - Niefan road	Equatorial Guinea		1° 40' 00" N 10° 18' 19" E	508 m
Monte Café	São Tomé and Principé		0° 18' 01" N 6° 38' 27" E	612 m
Monte Cus (see Monte Cusuzua)	Equatorial Guinea		1° 26' 00" S 5° 38' 00" E	
Monte Cusuzua (see also: Monte Cus)	Equatorial Guinea		1° 26' 00" S 5° 38' 00" E	
Monte de las Monas (see Jebel Moussa)	Morocco		35° 53' 52" N 5° 24' 44" W	
Monte Mabu (see Mabu, mount)	Mozambique		16° 16' 57" S 36° 22' 54" E	980 m

Monte Negro, Queaas do (see Epupa Falls), Cunene River	Namibia		17° 00' 00" S 13° 15' 00" E	
Monte Pedroso, ribeira de, 3 km S Ribeira de Barca	Cape Verde	ca.	15° 10' 00" N 23° 45' 00" E	
Monte Soque (see Moco, mount), 42 km WSW Luimbale	Angola		12° 30' 00" S 15° 10' 00" E	
Monte Tisuka (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Montebelo, Água Izé	São Tomé and Principé		0° 13' 00" N 6° 43' 00" E	
Montebelo and Mendes da Silva, between, Água Izé	São Tomé and Principé	ca.	0° 13' 17" N 6° 41' 51" E	
Montebelo, near	São Tomé and Principé	ca.	0° 13' 00" N 6° 43' 00" E	
Montembessa cave (see also: Grotte de Montembessa)	Congo (Democratic Republic of the)			
Montenegro Fälle (see Epupa Falls), Cunene River	Namibia		17° 00' 00" S 13° 15' 00" E	
Montrose	South Africa		29° 34' 30" S 30° 21' 08" E	717 m
Monts Asserick (see Assirik)	Senegal		12° 53' 00" N 12° 43' 00" W	
Monts de la Lune (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Monts Mambila (see Mambila Plateau)	Nigeria	ca.	6° 32' 00" N 11° 22' 00" E	
Monts Mambila Songola (see Mambila Plateau)	Nigeria	ca.	6° 32' 00" N 11° 22' 00" E	
Monts Ribao (see Mambila Plateau)	Nigeria	ca.	6° 32' 00" N 11° 22' 00" E	
Monts Rwenzori (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Montserrado county	Liberia			
Monument Park, Pretoria (see also: Monument Park caves)	South Africa		25° 48' 00" S 28° 14' 00" E	1456 m
Monument Park caves (see Monument Park), Pretoria	South Africa		25° 27' 36" S 28° 13' 48" E	
Monze, 200 mi S N'Dola (see also: N'Dola, 200 mi [=322 km] S)	Zambia		16° 17' 00" S 27° 29' 00" E	1107 m
Mooi River district	South Africa	ca.	29° 13' 00" S 29° 59' 00" E	
Mooigenoeg, Farm 83 (see Farm Mooigenoeg 83), 8 km S Derdepoort	South Africa		24° 40' 00" S 26° 20' 00" E	
Mooihoek, Farm 376 (see Farm Mooihoek 376)	Namibia		20° 08' 45" S 15° 52' 48" E	1360 m
Mooimeijesfontein (see Farm Mooimeisjesfontein 147JQ)	South Africa		25° 01' 00" S 27° 37' 00" E	
Mooimeisjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa		25° 01' 00" S 27° 37' 00" E	
Mooimysjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa		25° 01' 00" S 27° 37' 00" E	
Mooiplaas, Farm 355 (see Farm Hennopsriver 489), Pretoria	South Africa		25° 50' 00" S 27° 58' 00" E	
Mooiplaas, Farm 94 (see Farm Mooiplaas 94), 18 km SSE Derdepoort	South Africa		24° 45' 00" S 26° 25' 00" E	
Mooiplaas, SAPPI (see also: Stan Hope Mine)	South Africa		28° 33' 30" S 31° 09' 55" E	864 m
Mooiplass Plantation, Melmoth area	South Africa		28° 33' 30" S 31° 09' 55" E	864 m
Mooivlei, Thambazimbi	South Africa		23° 49' 00" S 26° 58' 00" E	
Mooiymysjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa		25° 01' 00" S 27° 37' 00" E	
Mooketsi (see Farm Mokeetsi)	South Africa		23° 35' 00" S 30° 05' 00" E	
Moorfield Mountain Farm Nature Reserve	South Africa		27° 52' 40" S 29° 42' 30" E	1776 m
Mooroi (see Mount Moorosi (city))	Lesotho		30° 16' 00" S 27° 52' 00" E	1651 m
Mootshane	Mootshane			
Mopane (see also: Mopani)	South Africa		22° 36' 00" S 29° 51' 00" E	721 m
Mopane Bay, Lake Kariba	Zimbabwe		16° 37' 30" S 28° 52' 30" E	
Mopani (see Mopane)	South Africa		22° 36' 00" S 29° 51' 00" E	721 m
Mopani district	South Africa			
Mopobill River (see Río Mopobill)	Equatorial Guinea	ca.	3° 44' 00" N 8° 49' 00" E	
Mopti, on Niger river	Mali		14° 30' 00" N 4° 12' 00" W	275 m
Mopti region	Mali			
Moqdisho (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Moramanga	Madagascar		18° 56' 00" S 48° 12' 00" E	909 m
Moramanga, E side	Madagascar	ca.	18° 56' 00" S 48° 12' 00" E	
Moremi Game Reserve, Kwaai River	Botswana		19° 22' 04" S 23° 03' 26" E	
Morgenster cave, near Great Zimbabwe ruins, 25 km SE Fort Victoria	Zimbabwe		20° 17' 00" S 30° 56' 00" E	
Morgenster Mission	Zimbabwe		20° 18' 41" S 30° 55' 49" E	
Moribabougou, 15 km E Bamako	Mali		12° 41' 12" N 7° 51' 50" W	331 m
Moringside (see also: Morningside)	Tanzania		6° 53' 00" S 37° 40' 00" E	4000 ft
Moris River (see Río Moris)	Equatorial Guinea	ca.	3° 27' 00" N 8° 33' 00" E	
Morkwijit (see also: Markwijit, Nakwajit)	Kenya		1° 12' 00" N 35° 05' 00" E	1996 m
Morle (see Oti (River))	Togo		7° 48' 00" N 0° 08' 00" E	
Morningside	South Africa		29° 50' 00" S 31° 00' 00" E	
Morningside (see Moringside)	Tanzania		6° 53' 00" S 37° 40' 00" E	4000 ft
Moro cave (see Moka)	Equatorial Guinea	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Morocco	Morocco			
Morogoro	Tanzania		6° 48' 00" S 37° 40' 00" E	560 m

Morogoro (see also: Mrogoro, Murogoro, Norogoro)	Tanzania		6° 49' 00" S 37° 40' 00" E	510 m
Morogoro region	Tanzania			
Morogoro district	Tanzania		6° 50' 00" S 37° 45' 00" E	
Morogoro, 20 mi [=32 km] N	Tanzania		6° 48' 00" S 37° 40' 00" E	
Morogoro, near	Tanzania	ca.	6° 48' 00" S 37° 40' 00" E	
Morok river	Kenya		0° 20' 28" N 35° 37' 56" E	1372 m
Morombozi River, below forest	Mozambique		18° 29' 02" S 34° 02' 35" E	
Morondava	Madagascar		20° 17' 00" S 44° 17' 00" E	1 m
Morone (see Boerboomskraal)	South Africa		24° 49' 00" S 30° 21' 00" E	876 m
Moroni (see also: Moroni oasis)	Comoro Islands		11° 42' 15" S 43° 14' 25" E	40 m
Moroni oasis (see Moroni)	Comoro Islands		11° 42' 15" S 43° 14' 25" E	40 m
Moroni, 21.1 km N (see Panga Chilamouinani), near Fassi, 21.1 km N Moroni	Comoro Islands		11° 24' 26" S 43° 16' 58" E	80 m
Moroni, 9.2 km SE (see Panga Pachwa Myembe) (see also: Patsy, Wilson)	Comoro Islands		11° 50' 10" S 43° 18' 21" E	200 m
Moroni-Hahaia Airport entrance gate, 0.5 km N (see Moroni-Hahaïa airport, 0.5 km N of entrance gate)	Comoro Islands		11° 31' 46" S 43° 16' 38" E	15 m
Moroni-Hahaïa airport, 0.5 km N of entrance gate (see also: Moroni-Hahaia Airport entrance gate, 0.5 km N, Prince Said Ibrahim airport, 0.5 km N of entrance gate)	Comoro Islands		11° 31' 46" S 43° 25' 12" E	15 m
Moronou region	Côte d'Ivoire			
Moroto (see also: Maroto)	Uganda		2° 29' 45" N 34° 40' 10" E	1360 m
Moroto district	Uganda			
Moroto, mount (see also: Mount Moroto, Mount Sokdek, Sokdek, mount)	Uganda		2° 32' 00" N 34° 46' 00" E	
Morr, 10 km E (see Mount Nyiru)	Kenya		1° 44' 00" N 36° 09' 00" E	
Morra da Generosa (see Generosa [hill])	São Tomé and Principé		0° 21' 00" N 6° 33' 00" E	ca. 800 m
Morro Fundão	São Tomé and Principé		1° 37' 00" N 7° 23' 00" E	
Morro Palmira, near Pico Macambrará (see also: Palmira, hill)	São Tomé and Principé		0° 17' 00" N 6° 36' 00" E	1350 m
Morubia	Congo (Democratic Republic of the)		4° 11' 00" N 29° 29' 00" E	
Moruita, South Karmojadst	Uganda		1° 51' 34" N 34° 45' 41" E	1699 m
Morun river (see Marun river)	Kenya		1° 37' 08" N 35° 32' 35" E	2286 m
Morunyang (see Lokomanyang Marsh), Ilemi Triangle	South Sudan		4° 59' 00" N 34° 41' 00" E	
Moschi (see Moshi)	Tanzania		3° 21' 00" S 37° 20' 00" E	887 m
Moscow, Farm 274 (see Farm Moscow 274), Heilbron	South Africa		27° 17' 00" S 27° 58' 00" E	
Mosdene [farmstead], 2 mi SE Naboomspruit (see also: Mosdene Nature Reserve, Mosdene Private Nature Reserve, Naboomspruit, 2 mi [=3.2 km] SE)	South Africa		24° 36' 00" S 28° 47' 00" E	
Mosdene Nature Reserve (see Mosdene [farmstead]), 2 mi SE Naboomspruit	South Africa		24° 36' 00" S 28° 47' 00" E	
Mosdene Private Nature Reserve (see Mosdene [farmstead]), 2 mi SE Naboomspruit	South Africa		24° 36' 00" S 28° 47' 00" E	
Moseda (see Mosenda)	Congo (Democratic Republic of the)		0° 04' 00" N 29° 22' 00" E	1737 m
Mosely	South Africa		29° 51' 35" S 30° 52' 51" E	
Mosenda (see also: Moseda, Mosendwa, Museya)	Congo (Democratic Republic of the)		0° 04' 00" N 29° 22' 00" E	1737 m
Mosendwa (see Mosenda)	Congo (Democratic Republic of the)		0° 04' 00" N 29° 22' 00" E	1737 m
Mosenge	Congo (Democratic Republic of the)		4° 39' 00" S 18° 58' 00" E	508 m
Moshi (see also: Moschi, Moshi Voi)	Tanzania		3° 21' 00" S 37° 20' 00" E	887 m
Moshi Voi (see Moshi)	Tanzania		3° 21' 00" S 37° 20' 00" E	887 m
Mosi oa Tunya (see Victoria Falls), Dibutibu River, Batoka	Zimbabwe		17° 55' 00" S 25° 51' 00" E	
Mosi-Oa-Toenja (see Victoria Falls), Dibutibu River, Batoka	Zimbabwe		17° 55' 00" S 25° 51' 00" E	
Mosoc, near Evinayong	Equatorial Guinea			
Mosomane (see also: Artesia)	Botswana		24° 04' 00" S 26° 15' 00" E	
Mossaka (see also: Mossake, Village Mossake)	Congo		1° 12' 51" S 16° 47' 39" E	290 m
Mossake (see Mossaka)	Congo		1° 12' 51" S 16° 47' 39" E	290 m
Mossamedes (see Namibe)	Angola		15° 11' 46" S 12° 09' 08" E	44 m
Mossland (see Farm Mosslands), 11 mi [=17.7 km] SSW Grahamstown	South Africa		33° 24' 23" S 26° 25' 45" E	

Mosslands, Farm (see Farm Mosslands), 11 mi [=17.7 km] SSW Grahamstown	South Africa		33° 24' 23" S 26° 25' 45" E	
Mostaganem province	Algeria			
Motale River, Messina	South Africa		22° 30' 00" S 30° 50' 00" E	
Motale river	South Africa		24° 05' 00" S 30° 07' 00" E	
Motheo district	South Africa			
Moto cave (see Diani), 20 mi [=32 km] S Mombasa	Kenya		4° 16' 19" S 39° 34' 08" E	
Moto, Mai ya (see May ya Moto), Semliki valley	Congo (Democratic Republic of the)		0° 14' 00" N 29° 43' 00" E	950 m
Moto, May a (see May ya Moto), Semliki valley	Congo (Democratic Republic of the)		0° 14' 00" N 29° 43' 00" E	950 m
Moto, May ya (see May ya Moto), Semliki valley	Congo (Democratic Republic of the)		0° 14' 00" N 29° 43' 00" E	950 m
Motshane Portion 2/987	Swaziland	ca.	26° 13' 00" S 31° 03' 00" E	
Motusi Village (see Seruli)	Botswana		22° 17' 00" S 27° 23' 00" E	1026 m
Moudjéria (fortress)	Mauritania		17° 52' 25" N 12° 19' 54" W	151 m
Mouhoun province	Burkina Faso			
Mouila (see also: La Mouila)	Gabon		1° 52' 00" S 11° 01' 00" E	156 m
Mouionzi (see Mouyondzi)	Congo		3° 59' 26" S 13° 54' 52" E	383 m
Moukalaba Reserve, 12.2 km NW Doussala (see also: Doussala, 12.2 km NW, Réserve de la Moukalaba)	Gabon		2° 17' 00" S 10° 29' 50" E	110 m
Moukonyé (see Mukonje)	Cameroon		4° 35' 02" N 9° 30' 18" E	113 m
Moulay Abdeslam, 5 km W	Morocco		35° 19' 00" N 5° 34' 00" W	
Moulay Abdessalam - Zinat, between	Morocco	ca.	35° 24' 00" N 5° 29' 00" W	
Moulay Yacoub prefecture	Morocco			
Moundou, near	Chad	ca.	8° 34' 00" N 16° 05' 00" E	
Moundu, near	Chad	ca.	8° 34' 00" N 16° 05' 00" E	
Mount Abuna Yosef (see Abune Yosef, mountain)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Mount Abune Yosef (see Abune Yosef, mountain)	Ethiopia		12° 09' 00" N 39° 11' 00" E	
Mount Ambre (see Ambohitra, 6 km S), 6 km S Joffreville	Madagascar		12° 37' 00" S 49° 09' 00" E	1000 m
Mount Ambre National Park (see Parc National de la Montagne d'Ambre), 5.5 km SW Joffreville [=Ambohitra]	Madagascar		12° 31' 00" S 49° 10' 00" E	1000 m
Mount Asserick (see Assirik)	Senegal		12° 53' 00" N 12° 43' 00" W	
Mount Assirik (see Assirik)	Senegal		12° 53' 00" N 12° 43' 00" W	
Mount Aureol (see also: Aureol, mount)	Sierra Leone		8° 28' 51" N 13° 13' 05" W	366 m
Mount Ayliff, 0.3 km N, 8.9 km W (see Insizwe Mine)	South Africa		30° 48' 00" S 29° 17' 00" E	1140 m
Mount Bamou Island (see Mbamou Island)	Congo		4° 12' 34" S 15° 25' 06" E	
Mount Borg	Equatorial Guinea		1° 53' 00" N 10° 17' 00" E	
Mount Brukaros (see Brukkaros, mount)	Namibia		25° 52' 00" S 17° 48' 00" E	
Mount Brukharos (see Brukkaros, mount)	Namibia		25° 52' 00" S 17° 48' 00" E	
Mount Brukkaros (see Brukkaros, mount)	Namibia		25° 52' 00" S 17° 48' 00" E	
Mount Cameroon	Cameroon		4° 12' 00" N 9° 11' 00" E	1768 m
Mount Cameroon, south side	Cameroon	ca.	4° 03' 00" N 9° 05' 00" E	750 m
Mount Chalia (see Challa, mount), 20 km NE Afallo	Ethiopia		5° 23' 00" N 36° 34' 00" E	2100 m
Mount Challa (see Challa, mount), 20 km NE Afallo	Ethiopia		5° 23' 00" N 36° 34' 00" E	2100 m
Mount Chiperone (see also: Chiperone, mount)	Mozambique		16° 30' 25" S 35° 43' 33" E	
Mount Chiromo (see Chiromo, mount)	Malawi	ca.	16° 32' 00" S 35° 09' 00" E	200 ft
Mount Coffee (see also: Coffee, mount)	Liberia		6° 29' 19" N 10° 38' 47" W	
Mount Currie Nature Reserve	South Africa		30° 30' 13" S 29° 23' 41" E	
Mount Day (see also: Day, mount)	Djibouti		11° 46' 00" N 42° 39' 00" E	1471 m
Mount Debasien (see Kadam, mount)	Uganda		1° 43' 19" N 34° 42' 49" E	
Mount Doudou fauna exploitation area, 24.3 km - 25.2 km NW Doussala (see also: Aire d'Exploitation Rationelle de Faune des Monts Doudou)	Gabon		2° 13' 21" S 10° 24' 21" E	
Mount Edgecombe, Sasex	South Africa		29° 42' 00" S 31° 02' 00" E	
Mount eLegogoto (see eLegogoto, mountain), Nelspruit	South Africa		25° 14' 00" S 31° 05' 00" E	
Mount Elgon (see also: Elgon, Mount)	Uganda		1° 08' 00" N 34° 33' 00" E	
Mount Elgon (see also: Elgon, Mount, Mount Elgon National Park)	Kenya	ca.	1° 04' 00" N 34° 34' 00" E	
Mount Elgon Caves (see also: Elgon caves)	Kenya		0° 52' 00" N 34° 27' 00" E	1951 m
Mount Elgon National Park (see Mount Elgon)	Kenya	ca.	1° 04' 00" N 34° 34' 00" E	
Mount Elgon, E face	Kenya	ca.	1° 03' 00" N 34° 44' 00" E	
Mount Elgon, NE face, 24 km W Kitale (see also: Kitale, 24 km W)	Kenya	ca.	1° 10' 00" N 34° 42' 00" E	1920 m
Mount Elgon, S face	Kenya	ca.	0° 58' 00" N 34° 55' 00" E	2000 m

Mount Elgon, SE slope (see also: Elgon, SE slope of Mount)	Kenya	ca.	0° 59' 00" N 34° 38' 00" E	
Mount Eti (see Wati, mount), 32 km N Arua	Uganda		3° 13' 40" N 31° 01' 46" E	
Mount Fink (see Fink, mount)	Somalia			
Mount Gargues (see Gargues, mount [summit])	Kenya		0° 57' 00" N 37° 24' 00" E	2164 m
Mount Gova	Crete			
Mount Gundu (see Gundu, mount)	Congo (Democratic Republic of the)			
Mount Homa (see Homa, Mount)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	
Mount Homa (see Hoyo, mount)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Hoyo (see Hoyo, mount)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Hoyo caverns (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Hoyo caves, 20 mi S Irumu (see also: Irumu, 20 mi [=32 km] S, Kabatibi cave, Mont Hoyo cave, Mont Hoyo, grottes, Mount Hoyo caverns)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Inago (see also: Inago, mount)	Mozambique		15° 04' 48" S 37° 23' 24" E	ca. 1200 m
Mount Inago Forest Camp	Mozambique		15° 02' 42" S 37° 23' 46" E	1478 m
Mount Jao	Mozambique			
Mount Kabobo (see Kabobo, mount)	Congo (Democratic Republic of the)		5° 04' 00" S 29° 00' 00" E	2440 m
Mount Kadam (see Kadam, mount)	Uganda		1° 43' 19" N 34° 42' 49" E	
Mount Kahuzi, W slope	Congo (Democratic Republic of the)		2° 12' 07" S 28° 40' 24" E	2560 m
Mount Kenya (see Kenya, mount)	Kenya		0° 10' 00" S 37° 20' 00" E	
Mount Kenya, 37 km W (see Nanyuki)	Kenya		0° 01' 00" N 37° 04' 00" E	1986 m
Mount Kenya, W side (see also: Western Slope of Mount Kenya)	Kenya	ca.	0° 10' 00" S 37° 20' 00" E	2134 m
Mount Kilimanjaro (see also: Chilmangiaro, Kilimandcharo, Kilimanjaro, mount)	Tanzania		3° 04' 00" S 37° 22' 00" E	4500 ft
Mount Korobi (see Korobi, Jabal)	South Sudan		3° 57' 40" N 30° 53' 46" E	
Mount Korovi (see Korovi, mount)	Congo (Democratic Republic of the)		1° 39' 00" N 30° 36' 00" E	2010 m
Mount Koupé (see also: Kupe, Kupé, Mount, Mount Kupé)	Cameroon		4° 48' 05" N 9° 42' 29" E	
Mount Krobo (see Krobo, mountain)	Ghana		6° 04' 59" N 0° 03' 00" E	
Mount Kupé (see Mount Koupé) (see also: Koupé, Mount)	Cameroon		4° 48' 05" N 9° 42' 29" E	
Mount Kupé, N side	Cameroon			
Mount Lado (see Lado)	South Sudan		5° 06' 12" N 31° 35' 05" E	
Mount Loldiani (see also: Loldiani, mount)	Kenya		0° 06' 41" S 35° 43' 41" E	
Mount Lolokwi (see Oldoinyo Sabachi)	Kenya		0° 49' 41" N 37° 31' 56" E	
Mount Londiani (see Londiani, mount) (see also: Mount Suswa cave, Ol Doinyo Nyuki, cave, Susua, cave, Suswa caves)	Kenya		1° 09' 00" S 36° 21' 00" E	
Mount Lukenya	Kenya		1° 28' 00" S 37° 03' 00" E	
Mount Mabu (see Mabu, mount)	Mozambique		16° 16' 57" S 36° 22' 54" E	
Mount Mabu forest camp	Mozambique		16° 16' 57" S 36° 22' 54" E	980 m
Mount Mabu, forest edge	Mozambique		16° 17' 11" S 36° 24' 11" E	
Mount Mabu, Site 7	Mozambique		16° 17' 11" S 36° 24' 11" E	
Mount Makulu (see Makulu, mount), 15 km S Lusaka	Zambia		15° 33' 00" S 28° 11' 00" E	
Mount Makulu Research Station	Zambia		15° 37' 30" S 28° 07' 30" E	
Mount Manengouba (see Manengouba mountains)	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	1000 m
Mount Marsabit (see Marsabit, mount)	Kenya		2° 17' 24" N 37° 56' 41" E	1219 m
Mount Marsabit, 30 mi [=48 km] S (see Merelle Water)	Kenya		1° 23' 00" N 37° 44' 00" E	
Mount Mecula (see Serra Mecula)	Mozambique		12° 04' 48" S 37° 38' 24" E	1227 m
Mount Menengai (see Menengai Crater)	Kenya		0° 12' 00" S 36° 04' 00" E	
Mount Menengai Crater (see Menengai Crater)	Kenya		0° 12' 00" S 36° 04' 00" E	
Mount Meru (see Meru, mount)	Tanzania		3° 13' 00" S 36° 40' 00" E	
Mount Mhinduro, 4.4 km W (see Kwambumi Forest Reserve)	Tanzania		4° 56' 30" S 38° 43' 48" E	230 m
Mount Moco (see Moco, mount)	Angola		12° 30' 00" S 15° 10' 00" E	
Mount Moks (see Moks, mount), Luimbale	Angola		12° 13' 00" S 15° 19' 00" E	
Mount Moorosi (city) (see also: Masiribani, Mooroi, Mount Moroosi (city), Mount Morosi (city))	Lesotho		30° 16' 00" S 27° 52' 00" E	1651 m
Mount Moreland, 12 Williams Road	South Africa		29° 38' 33" S 31° 05' 37" E	34 m
Mount Moroosi (city) (see Mount Moorosi (city))	Lesotho		30° 16' 00" S 27° 52' 00" E	1651 m
Mount Morosi (city) (see Mount Moorosi (city))	Lesotho		30° 16' 00" S 27° 52' 00" E	1651 m

Mount Moroto (see Moroto, mount)	Uganda		2° 32' 00" N 34° 46' 00" E	1500 m
Mount Mugusa (see Mugusa, mount)	Rwanda		2° 28' 52" S 29° 51' 23" E	1575 m
Mount Mulanje (see Mulanje, mount)	Malawi		15° 55' 12" S 35° 40' 12" E	1200 m
Mount Muvo (see Muvo, mount)	Congo (Democratic Republic of the)		1° 14' 00" S 29° 18' 00" E	
Mount Nacelot, near (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river	Kenya		1° 49' 00" N 35° 18' 00" E	
Mount Namuli (see also: Namuli, mount)	Mozambique		15° 23' 07" S 37° 04' 04" E	1200 m
Mount Namuli, base camp	Mozambique	ca.	15° 22' 00" S 37° 02' 00" E	
Mount Nasolot, near (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river	Kenya		1° 49' 00" N 35° 18' 00" E	
Mount Ne (see Né, mount), Blukwa	Congo (Democratic Republic of the)		1° 42' 00" N 30° 39' 00" E	
Mount Nimba	Côte d'Ivoire		7° 36' 00" N 8° 25' 00" W	
Mount Nimba (see Nimba, Mount)	Côte d'Ivoire	ca.	7° 35' 00" N 8° 25' 00" W	
Mount Nimba (see Nimba, mount)	Liberia	ca.	7° 30' 00" N 8° 30' 00" W	
Mount Nimba (see Nimba, mount)	Guinea		7° 37' 00" N 8° 25' 00" W	
Mount Nimba East (see Maadi, 8 mi [=12.8 km] from)	Liberia	ca.	7° 30' 00" N 8° 28' 00" W	
Mount Nimba West (see Nimba West)	Liberia	ca.	7° 29' 00" N 8° 33' 00" W	
Mount Nyiro (see Ngiro), 10 km E Morr	Kenya		1° 44' 00" N 36° 09' 00" E	
Mount Nyiru (see Ngiro), 10 km E Morr (see also: Morr, 10 km E)	Kenya		1° 44' 00" N 36° 09' 00" E	
Mount Ololdiani (see Londiani, mount)	Kenya		0° 06' 00" S 35° 43' 00" E	
Mount Otogo, summit (see Jabal Otogo, summit)	South Sudan		3° 57' 32" N 30° 34' 59" E	3650 ft
Mount Peko National Park (see Parc National de Mont Peko)	Côte d'Ivoire		6° 56' 00" N 7° 10' 00" W	
Mount Pierre se kloof (see Golden Gate Highlands National Park)	South Africa		28° 30' 15" S 28° 36' 09" E	
Mount Pleasant (see Cullendale)	South Africa		32° 39' 00" S 26° 11' 00" E	685 m
Mount Raupenhelm, near (see also: Raupenhelm, near mount)	Namibia			
Mount Richard Molard, S (see Richard-Molard, S side mount)	Liberia	ca.	7° 33' 47" N 8° 27' 54" W	
Mount Richard-Molard (see Nimba, mount)	Guinea		7° 37' 00" N 8° 25' 00" W	
Mount Ruwenzori (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Mount Sokdek (see Moroto, mount)	Uganda		2° 32' 00" N 34° 46' 00" E	
Mount Sombwe	Congo (Democratic Republic of the)		9° 10' 12" S 26° 43' 12" E	
Mount Soque (see Moco, mount), 42 km WSW Luimbale	Angola		12° 30' 00" S 15° 10' 00" E	
Mount Susua (see Oldoinyo Nyukie)	Kenya		1° 09' 00" S 36° 21' 00" E	
Mount Suswa (see Oldoinyo Nyukie)	Kenya		1° 09' 00" S 36° 21' 00" E	
Mount Suswa cave (see Mount Londiani), 35 mi [= 55 km] WNW Nairobi (see also: Nairobi, 35 mi [= 55 km] WNW)	Kenya		1° 09' 00" S 36° 21' 00" E	2195 m
Mount Tandou (see also: Tandou, mount)	Gabon		1° 50' 00" S 10° 40' 00" E	610 m
Mount Temelón Nature Reserve (see also: Micomeseng and Temelón, between, Reserva Natural del Monte Temelón)	Equatorial Guinea	ca.	2° 02' 00" N 10° 42' 00" E	
Mount Thyolo (see Thyolo, mount), Magombe and Satemwa Tea Estates	Malawi		16° 05' 00" S 35° 09' 00" E	
Mount Tshiaberimu (see Tshiabirimu, mount), Kalibina, Ngwangwa forest	Congo (Democratic Republic of the)	ca.	0° 05' 00" S 29° 26' 00" E	
Mount Tshiabirimu (see Tshiabirimu, mount), Kalibina, Ngwangwa forest	Congo (Democratic Republic of the)	ca.	0° 05' 00" S 29° 26' 00" E	
Mount Tungu (see Tungu, mount)	South Sudan		4° 22' 00" N 29° 58' 00" E	
Mount Verdun (see Verdun, mount)	Angola		12° 10' 00" S 15° 20' 00" E	
Mount Wagga (see Wagga, mount), near Berebera	Sudan		16° 09' 10" N 36° 12' 15" E	450 m
Mount Wago (see Wago, mount)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 40' 00" E	2240 m
Mount Wati (see Wati, mount), 32 km N Arua	Uganda		3° 13' 40" N 31° 01' 46" E	
Mount Watti (see Wati, mount), 32 km N Arua	Uganda		3° 13' 40" N 31° 01' 46" E	
Mountain Hut 1 (see Buéa)	Cameroon		4° 09' 00" N 9° 12' 00" E	
Mountain Lakes Adventure Campsite, Jozini	South Africa	ca.	27° 24' 36" S 32° 03' 36" E	
Mountain View, Pretoria	South Africa		25° 42' 00" S 28° 09' 00" E	
Mountainland Nature Reserve, Umjindi municipality, Barberton, 68 km SE Sudwala	South Africa		25° 45' 14" S 31° 06' 51" E	741 m
Mountains of the Moon (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Mourzouk	Libya		25° 54' 16" N 13° 53' 50" E	501 m
Mouth of Congo	Congo (Democratic Republic of the)	ca.	6° 00' 00" S 12° 30' 00" E	
Mouton's Valley, Farm A80 (see Farm Mouton's Valley A80)	South Africa		32° 46' 11" S 18° 43' 08" E	545 m
Moutsamoudou (see also: Matsamudu, Mutsamudu)	Comoro Islands		12° 09' 46" S 44° 23' 47" E	204 m

Mouyondzi (see also: Mouionzi)	Congo		3° 59' 26" S 13° 54' 52" E	383 m
Mouyouka (see Muyuka), 48 km N Buéa	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Mouzdjadjo	Algeria		35° 42' 00" N 4° 33' 00" E	
Movo and Bata, between	Equatorial Guinea	ca.	1° 48' 23" N 9° 46' 22" E	
Movodo (see Kpawolozu)	Liberia		7° 36' 56" N 9° 45' 52" W	453 m
Mowila (see Al Muwayli?), Red Sea Coast	Saudi Arabia		27° 41' 00" N 35° 28' 00" E	0 m
Moxico province	Angola			
Moya, primary school	Comoro Islands		12° 18' 24" S 44° 26' 16" E	0 m
Moyamba, 20 mi [=32 km] NE (see Kassewa Forest Reserve)	Sierra Leone		8° 04' 00" N 12° 30' 00" W	
Moyen Atlas (see also: Middle Atlas)	Morocco		33° 30' 00" N 4° 30' 00" W	
Moyen-Cavally (former) region	Côte d'Ivoire			
Moyen-Chari region	Chad			
Moyen-Comoé (former) region	Côte d'Ivoire			
Moyeni, 10 mi [=16 km] NE (see Quthing, 10 mi [=16 km] NE)	Lesotho		30° 20' 00" S 27° 45' 00" E	
Moyen-Ogooué province	Gabon			
Moyo, West Madi County, West Nile district	Uganda		3° 37' 41" N 31° 45' 13" E	889 m
Moyo district	Uganda			
Moyo, 10 mi [=16 km] E	Uganda		3° 39' 00" N 31° 43' 00" E	
Moyo, 16 km E	Uganda		3° 39' 00" N 31° 43' 00" E	
Moyo, near	Uganda	ca.	3° 37' 41" N 31° 45' 13" E	
Mozambique	Mozambique			
Mozambique Channel at N end of St. Augustin Bay	Madagascar		23° 36' 00" S 43° 39' 00" E	
Mozambique Island (see also: Concelho, Moçambique, Ilha de)	Mozambique		15° 02' 00" S 40° 44' 00" E	
Mpala	Congo (Democratic Republic of the)		6° 45' 00" S 29° 31' 00" E	774 m
Mpala Research Center	Kenya		0° 19' 53" N 36° 52' 21" E	
M'Pala, Kazenze	Congo (Democratic Republic of the)		10° 29' 00" S 25° 13' 00" E	
Mpalane Lodge (see Pongola Biosphere Reserve, Mpalane Lodge), 25 km N Mkuze	South Africa			172 m
Mpalanganga Dam	Malawi		15° 27' 00" S 35° 15' 00" E	1100 m
Mpalanganga Estate	Malawi		15° 27' 00" S 35° 14' 00" E	
Mpanda district	Tanzania		6° 30' 00" S 31° 30' 00" E	
Mpanga Forest	Uganda			5500 ft
Mpapua (see Mpwapwa)	Tanzania		6° 21' 00" S 36° 29' 00" E	970 m
Mpapwa (see Mpwapwa)	Tanzania		6° 21' 00" S 36° 29' 00" E	970 m
Mpasaatia (see Mpasatia)	Ghana		6° 39' 50" N 1° 50' 40" W	
Mpasatia, near Kumasi (see also: Mpasaatia)	Ghana		6° 39' 50" N 1° 50' 40" W	
Mpasibola, Center-East Madagascar	Madagascar			
Mpaza	Congo (Democratic Republic of the)		4° 14' 00" N 29° 37' 00" E	878 m
Mpe	Congo (Democratic Republic of the)		2° 12' 00" S 17° 38' 00" E	399 m
Mpemba village (see Moemba village)	Zambia		10° 24' 00" S 33° 20' 00" E	1440 m
Mpéré (see also: Mperi, Ompéré)	Gabon		1° 41' 00" S 9° 41' 00" E	32 m
Mperi (see Mpéré)	Gabon		1° 41' 00" S 9° 41' 00" E	32 m
Mpesetia, Kumasi, 24 mi [=36 km] W (see also: Kuuni, 48 km, Kuuni, 48 mi [=77 km] from, Kuuni, 77 km, Mpisalia)	Ghana		6° 39' 00" N 1° 51' 00" W	226 m
Mphahlela's (see Mphahlele River), Tzaneen	South Africa		24° 19' 00" S 29° 45' 00" E	
Mphahlele River, Tzaneen (see also: Mphahlela's, Mphatleles)	South Africa		24° 19' 00" S 29° 45' 00" E	
Mphatleles (see Mphahlele River), Tzaneen	South Africa		24° 19' 00" S 29° 45' 00" E	
Mpherere Mission (see Visanza Mission), near Ndaja	Malawi		13° 22' 10" S 33° 55' 21" E	
Mpigi district	Uganda			
Mpigi district	Uganda			
Mpila Trails Store	South Africa		28° 19' 00" S 31° 51' 00" E	
Mpinga cave (see Mpinga Mission)	Burundi		3° 44' 10" S 30° 10' 40" E	1930 m
Mpinga Mission, 46 km from Rutana (see also: Mpinga cave, Rutana, 46 km from)	Burundi		3° 44' 10" S 30° 10' 40" E	1930 m
Mpisalia (see Mpesetia), Holok	Ghana		6° 39' 00" N 1° 51' 00" W	226 m
Mpofu Pan	South Africa		28° 20' 24" S 31° 46' 12" E	
Mpoka-Méya road	Congo		3° 54' 00" S 14° 30' 00" E	
Mpoko (see also: Bangui, 10 km from (II))	Central African Republic	ca.	4° 24' 00" N 18° 31' 00" E	
Mpoko (near Makorou) and Yabanda, track between	Central African Republic	ca.	4° 19' 27" N 18° 32' 27" E	
Mpolokoso (see Mporokoso)	Zambia		9° 23' 00" S 30° 08' 00" E	1380 m
Mpomwa Hills	Zambia		13° 27' 00" S 32° 19' 00" E	

Mpomwa Hills, below	Zambia		13° 22' 30" S 32° 22' 30" E	
Mponda (see Mangochi), District HQ	Malawi		14° 28' 00" S 35° 16' 00" E	469 m
Mpopola cave (see also: Grotte de Mpopola, Mpopola grot)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1450 m
Mpopola grot (see Mpopola cave), Haut Lomami or Kolwezi province	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1450 m
Mporokoso (see also: Mpolokoso)	Zambia		9° 23' 00" S 30° 08' 00" E	1380 m
Mporokoso Boma	Zambia		9° 15' 00" S 30° 10' 00" E	4700 ft
Mpraeso	Ghana		6° 35' 00" N 0° 44' 00" W	367 m
Mpumalanga	South Africa		24° 53' 17" S 30° 48' 21" E	
Mpumalanga province	South Africa			
Mpundu (see also: Mungo River, forest across)	Cameroon		4° 14' 19" N 9° 24' 33" E	8 m
Mpundu district	Cameroon			
Mpwapwa (see also: Mpapua, Mpapwa)	Tanzania		6° 21' 00" S 36° 29' 00" E	970 m
Mpyupyu Prison Farm, 12 km E Zomba (see also: Chimpini Farm)	Malawi		15° 22' 00" S 35° 27' 00" E	717 m
Mqanduli (see also: Mganduli, Moanduli)	South Africa		31° 49' 00" S 28° 45' 00" E	682 m
Mrima hill (see Kichakasimba hill)	Kenya		4° 29' 07" S 39° 15' 47" E	
Mrogoro (see Morogoro)	Tanzania		6° 49' 00" S 37° 40' 00" E	510 m
Msambweni	Kenya		4° 27' 49" S 39° 28' 19" E	
Mseleni (see also: Emseleni)	South Africa		27° 19' 00" S 32° 32' 00" E	76 m
Msenge Ridge, near King William's Town	South Africa		32° 51' 30" S 27° 22' 10" E	400 m
Mshopi camping site	South Africa		27° 38' 23" S 32° 09' 32" E	
Msikaba river mouth	South Africa		31° 19' 00" S 29° 58' 00" E	
Msikaba River Mouth, 4.1 km N, 1.1 km W (see Mkambati Game Reserve)	South Africa		31° 17' 00" S 29° 57' 24" E	5 m
M'Sila (see also: Thamsilt)	Algeria		35° 42' 21" N 4° 32' 31" E	508 m
M'Sila Forest, 20 km W Oran	Algeria		35° 38' 56" N 0° 52' 25" W	508 m
M'Sila province	Algeria			
Msinga Hide, 15 km E Mkuzi village (see also: Kumasinga Pan, Msinga Hole, Msinga pan)	South Africa		27° 47' 00" S 32° 12' 00" E	
Msinga Hole (see Msinga Hide)	South Africa		27° 47' 00" S 32° 12' 00" E	
Msinga pan (see Msinga Hide), 15 km E Mkuzi village	South Africa		27° 47' 00" S 32° 12' 00" E	
Msinsi Nature Reserve	South Africa		29° 52' 03" S 30° 58' 34" E	
Msinyini pan	South Africa		28° 22' 00" S 31° 52' 00" E	
Msisiwe, 15 km SSE (see Kihanga)	Tanzania		8° 22' 00" S 35° 56' 00" E	1800 m
Msitive and Mtoroshanga rivers, confluence	Zimbabwe		16° 52' 30" S 30° 37' 30" E	
Msongozi	Tanzania		7° 04' 00" S 39° 20' 00" E	
Msosa (see Musosa)	Zambia		8° 23' 00" S 29° 38' 00" E	976 m
Mtai Forest Reserve, East Usambara Mountains	Tanzania		4° 58' 00" S 38° 46' 00" E	
Mtambanana	South Africa		31° 50' 00" S 29° 16' 00" E	
Mtandika	Tanzania		7° 32' 00" S 36° 26' 00" E	596 m
Mtanga Twani (see Matanga Twani)	Tanzania		4° 58' 00" S 39° 44' 00" E	
Mtembur (see also: Mitunbur)	Kenya		1° 21' 00" N 35° 03' 00" E	1670 m
Mtira	Tanzania			
Mtito Andei (see also: Mutitu Andei)	Kenya		2° 41' 00" S 38° 10' 00" E	769 m
Mtito Andei, 4 mi [=6.4 km] N	Kenya		2° 40' 59" S 38° 07' 59" E	732 m
Mtito Andei, near	Kenya	ca.	2° 41' 00" S 38° 10' 00" E	2500 ft
Mto wa Mbu (see also: Mtowamba, Mtowambo, Mto-Wa-Mbo)	Tanzania		3° 22' 28" S 35° 51' 15" E	1170 m
Mtondo (see Mitondo)	Malawi		16° 17' 00" S 35° 04' 00" E	317 m
Mtondo River, Luwegu	Tanzania			
Mtongori	South Africa			
Mtowamba (see Mto wa Mbu), N End Lake Manyara	Tanzania		3° 22' 28" S 35° 51' 15" E	1170 m
Mtowambo (see Mto wa Mbu)	Tanzania		3° 22' 28" S 35° 51' 15" E	1170 m
Mto-Wa-Mbo (see Mto wa Mbu)	Tanzania		3° 22' 28" S 35° 51' 15" E	1170 m
M'tsangamouhouni (see Mtsangamouthoum)	Comoro Islands		12° 08' 28" S 44° 25' 45" E	252 m
Mtsangamouthoum (see also: M'tsangamouhouni, N'tsangamouhouni)	Comoro Islands		12° 08' 28" S 44° 25' 45" E	252 m
Mtshavezi valley, Eastern Matopos	Zimbabwe		20° 36' 00" S 28° 52' 00" E	
Mtubatuba, 18 mi [=29 km] N (see Madwaleni)	South Africa		28° 17' 37" S 32° 11' 19" E	
Mtubatuba, 58 km N (see T. Bester Game Farm)	South Africa		27° 50' 00" S 32° 15' 00" E	200 m
Mtubatuba, 6 km NNE (see Dukuduku State Forest)	South Africa		28° 23' 00" S 32° 19' 00" E	
Mtunzini	South Africa		28° 57' 00" S 31° 46' 00" E	
Mtwara region	Tanzania			
Mtware district	Tanzania		10° 30' 00" S 40° 00' 00" E	

Muaja (see Mwaya), small port at N end Lake Nyasa	Tanzania		9° 33' 00" S 33° 57' 00" E	472 m
Mualadze, Tete, 10 km N (see also: Mualadzi, Vila Gamito)	Mozambique		14° 09' 59" S 32° 59' 13" E	965 m
Mualadzi (see Mualadze), Tete, 10 km N	Mozambique		14° 09' 59" S 32° 59' 13" E	965 m
Muanda (see also: Moanda)	Congo (Democratic Republic of the)		5° 56' 00" S 12° 21' 00" E	0 m
Muanibunge, near Lake Rukw	Tanzania			
Muansa (see Mwanza)	Tanzania		2° 31' 00" S 32° 54' 00" E	1209 m
Muanza (see Mwanza)	Tanzania		2° 31' 00" S 32° 54' 00" E	1209 m
Muaredzi River, karst cave 1	Mozambique		18° 48' 42" S 34° 44' 12" E	
Muaredzi River, karst cave 2	Mozambique		18° 57' 17" S 34° 36' 47" E	
Muatize, 17 km E (see Moatize, 17 km E)	Mozambique		16° 05' 00" S 33° 42' 00" E	
Mubange (see Mobange-Isongo)	Cameroon		4° 05' 00" N 9° 00' 00" E	0 m
Mubende (see also: Mubendi)	Uganda		0° 35' 21" N 31° 21' 36" E	1323 m
Mubende district	Uganda			
Mubendi (see Mubende)	Uganda		0° 35' 21" N 31° 21' 36" E	1323 m
Mubenge (see Mobange-Isongo)	Cameroon		4° 05' 00" N 9° 00' 00" E	0 m
Mubeza (see Muheza), Usambara Mountains	Tanzania		5° 10' 00" S 38° 47' 00" E	261 m
Mubuk river, right bank, Rwenzori mountains	Uganda		0° 11' 00" N 30° 14' 00" E	
Mubuku - Mahoma River confluence, above, E slopes Rwenzori mountains	Uganda		0° 21' 50" N 29° 59' 53" E	2103 m
Mubuku River, river bank, above confll Kyoha River	Uganda		0° 21' 00" N 30° 00' 00" E	1890 m
Mubuku Valley, Ruwenzori East (see also: Mobuka Valley, Mobuku Valley)	Uganda		0° 11' 00" N 30° 14' 00" E	13000 ft
Muchena (see Aldeia Muchena), 10 mi [=16 km] E Massamba	Mozambique		15° 40' 56" S 33° 48' 20" E	356 m
Mucheni Gorge (see also: Mcheni Gorge)	Zimbabwe	ca.	17° 40' 00" S 27° 52' 00" E	
Muchina province	Zambia			
Muckle Neuk	Zambia			
Muckwe district	Namibia			
Mucoso, near Dondo	Angola		9° 40' 00" S 14° 23' 00" E	130 m
Mudanda Rock Crevices	Kenya		3° 10' 00" S 38° 31' 00" E	
Mudina (see Ndemba)	Congo (Democratic Republic of the)		5° 30' 00" S 22° 16' 00" E	
Mudina Ndemba (see Ndemba)	Congo (Democratic Republic of the)		5° 30' 00" S 22° 16' 00" E	
Mudug region	Somalia			
Muéa (see Muyuka)	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Mueka (see Mweka)	Congo (Democratic Republic of the)		4° 51' 00" S 21° 34' 00" E	466 m
Mueli	Cameroon		4° 23' 00" N 9° 07' 00" E	600 m
Mueli, above	Cameroon			
Muezi Lupungu, near Kinda	Congo (Democratic Republic of the)		9° 25' 00" S 24° 55' 00" E	
Mufindi district	Tanzania		8° 30' 00" S 35° 15' 00" E	
Mufulira district	Zambia		12° 30' 00" S 28° 15' 00" E	
Mufunga, on Kufua (or Lufua) river	Congo (Democratic Republic of the)		10° 58' 00" S 26° 47' 00" E	
Mugaba cave (see also: Grotte de Mugaba)	Congo (Democratic Republic of the)	ca.	2° 19' 23" S 28° 31' 04" E	
Mugarura, Lake Kivu	Rwanda	ca.	1° 42' 00" S 30° 45' 00" E	
Muger river, 5 mi [=8 km] S (see Sanfords Ranch)	Ethiopia		9° 55' 00" N 37° 56' 00" E	
Mugeri mission (see also: Petit seminaire de Mugeri)	Congo (Democratic Republic of the)		2° 12' 00" S 28° 42' 00" E	1493 m
Mugesse Hill	Malawi		9° 39' 00" S 33° 33' 00" E	1500 m
Mugeta (see also: Mageta)	Tanzania		1° 57' 00" S 34° 12' 00" E	1354 m
Muggiesgat cave (see Sudwala Cave)	South Africa		25° 22' 00" S 30° 42' 00" E	845 m
Mugher river, 5 mi [=8 km] S (see Sanfords Ranch)	Ethiopia		9° 55' 00" N 37° 56' 00" E	
Mughese Forest	Malawi		9° 39' 18" S 33° 32' 19" E	1625 m
Mugogwe (see also: Colline Mugogwe)	Rwanda		2° 30' 32" S 29° 48' 37" E	
Mugongo	Congo (Democratic Republic of the)		1° 30' 00" S 29° 20' 00" E	
Mugunga meer (see Mugunga, lake)	Congo (Democratic Republic of the)		1° 37' 00" S 29° 08' 00" E	1500 m
Mugunga, lake (see also: Lac Mugunga, Lake Mugunga, Mugunga meer)	Congo (Democratic Republic of the)		1° 37' 00" S 29° 08' 00" E	1500 m
Mugusa, mount (see also: Mount Mugusa)	Rwanda		2° 28' 52" S 29° 51' 23" E	1575 m
Muhabura (volcano) (see also: Muhavura (volcano))	Rwanda		1° 23' 04" S 29° 42' 32" E	
Muhange	Tanzania		9° 26' 00" S 36° 48' 00" E	

Muhasi (see Muhazi)	Rwanda		1° 54' 07" S 30° 24' 41" E	1529 m
Muhavura (volcano) (see Muhabura (volcano))	Rwanda		1° 23' 04" S 29° 42' 32" E	
Muhazi (see also: Colline Murunda, Muhasi)	Rwanda		1° 54' 07" S 30° 24' 41" E	1529 m
Muheza, Usambara Mountains (see also: Mubeza)	Tanzania		5° 10' 00" S 38° 47' 00" E	261 m
Muheza district	Tanzania		5° 00' 00" S 38° 55' 00" E	
Muheza Forest (see also: Tongwe Forest Reserve)	Tanzania		5° 18' 20" S 38° 43' 44" E	
Muhlenberg Mission (see also: Mühlenberg's Mission)	Liberia	ca.	6° 30' 00" N 10° 39' 00" W	
Mühlenberg's Mission (see Muhlenberg Mission)	Liberia	ca.	6° 30' 00" N 10° 39' 00" W	
Muhulu	Congo (Democratic Republic of the)		1° 03' 00" S 27° 17' 00" E	671 m
Mui, Oma river	Ethiopia		6° 03' 00" N 35° 33' 00" E	1530 m
Muiga, 10 mi [=16 km] NW (see Mweiga, 10 mi [=16 km] NW)	Kenya	ca.	0° 19' 00" S 36° 54' 00" E	
Muite Nzige (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Mujimbe Hill, cave near	Zambia			
Mukanda Bridge	Kenya	ca.	4° 10' 00" S 39° 27' 00" E	
Mukanda one cave	Kenya		4° 10' 00" S 39° 27' 00" E	
Mukanda river, Shimba Hills Settlement (see also: Mukanda Stream)	Kenya		4° 10' 00" S 39° 27' 00" E	152 m
Mukanda river, near bridge 2, Shimba Hills Settlement	Kenya	ca.	4° 10' 00" S 39° 27' 00" E	
Mukanda Stream (see Mukanda river)	Kenya		4° 10' 00" S 39° 27' 00" E	152 m
Mukangu Village	Kenya		0° 22' 03" N 34° 52' 11" E	
Mukishi [station]	Congo (Democratic Republic of the)		8° 29' 35" S 24° 43' 37" E	
Mukonje, 5 mi [=8 km] SE Kumba (see also: Kumba, 5 mi [=8 km] SE, Moukonyé, Mukonye)	Cameroon		4° 35' 02" N 9° 30' 18" E	113 m
Mukono district	Uganda			
Mukonye (see Mukonje)	Cameroon		4° 35' 02" N 9° 30' 18" E	113 m
Mukowje	Cameroon			
Mukuen (see also: Mukween, Mukwen, Mukwena)	Congo (Democratic Republic of the)		11° 46' 00" S 27° 27' 00" E	
Mukulakula (see Mukulakulu)	Congo (Democratic Republic of the)		9° 33' 00" S 25° 47' 00" E	828 m
Mukulakulu (see also: Makulakulu, Mukulakula)	Congo (Democratic Republic of the)		9° 33' 00" S 25° 47' 00" E	828 m
Mukuta (see Mututa)	Congo (Democratic Republic of the)		11° 21' 00" S 27° 47' 00" E	1229 m
Mukutan (see also: Baringo, Ol Mukutan)	Kenya		0° 38' 00" N 36° 16' 00" E	1303 m
Mukwande river	Congo (Democratic Republic of the)		0° 19' 00" N 29° 42' 00" E	1300 m
Mukwaya	Congo (Democratic Republic of the)		6° 32' 00" S 23° 26' 00" E	
Mukween (see Mukuen)	Congo (Democratic Republic of the)		11° 46' 00" S 27° 27' 00" E	
Mukwen (see Mukuen)	Congo (Democratic Republic of the)		11° 46' 00" S 27° 27' 00" E	
Mukwena (see Mukuen)	Congo (Democratic Republic of the)		11° 46' 00" S 27° 27' 00" E	
Mukwishi (see Mkwisi)	Zambia		15° 54' 00" S 28° 36' 00" E	
Mukwisi (see Mkwisi)	Zambia		15° 54' 00" S 28° 36' 00" E	
Mulala	Congo (Democratic Republic of the)		0° 19' 00" N 29° 44' 00" E	1200 m
Mulanda, 12 mi [=19 km] W Tororo (see also: Tororo, 12 mi [=19 km] W)	Uganda		0° 40' 53" N 34° 00' 27" E	1085 m
Mulanje, District HQ (see also: Mlange, Mlanje, Mlanje Boima)	Malawi		16° 02' 00" S 35° 30' 00" E	644 m
Mulanje and Blantyre, road between	Malawi	ca.	15° 52' 35" S 35° 15' 52" E	
Mulanje district	Malawi			
Mulanje Mountain Conservation Trust (MMCT) office, base of moutain	Malawi	ca.	15° 55' 00" S 35° 40' 00" E	650 m
Mulanje mountains (see also: Mlanje Mountain, Mlanje Plateau, Mulanje Plateau)	Malawi		15° 58' 00" S 35° 38' 00" E	4000 ft
Mulanje Plateau (see Mulanje mountains)	Malawi		15° 58' 00" S 35° 38' 00" E	4000 ft
Mulanje, mount (see also: Mount Mulanje)	Malawi		15° 55' 12" S 35° 40' 12" E	1200 m
Mulanje-Chitakali	Malawi	ca.	16° 02' 00" S 35° 30' 00" E	
Muldersdrif, near, Krugersdorp (see also: Muldersdrift, near)	South Africa		26° 01' 48" S 27° 46' 44" E	

Muldersdrift, near (see Muldersdrif, near), Krugersdorp	South Africa		26° 01' 48" S 27° 46' 44" E	
Mule	Congo (Democratic Republic of the)		2° 24' 20" S 28° 33' 10" E	1936 m
Mulenge Forest	Tanzania		7° 25' 16" S 35° 28' 11" E	790 m
Mulima	Congo (Democratic Republic of the)			
Mululo	Congo (Democratic Republic of the)		9° 56' 00" S 26° 58' 00" E	
Mululo	Congo (Democratic Republic of the)		3° 06' 00" S 26° 58' 00" E	
Mululo-Kisanga (see Lulola-Kasanga)	Congo (Democratic Republic of the)		3° 06' 00" S 26° 59' 00" E	
Mulombo (see Mulongo), on Lualaba river	Congo (Democratic Republic of the)		7° 50' 00" S 27° 00' 00" E	578 m
Mulong cave (see Mulonga cave)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	
Mulonga cave, near Lubudi (see also: Grotte de Mulonga, Mulong cave, Mulonga grot)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	
Mulonga grot (see Mulonga cave), near Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	
Mulongo, on Lualaba river (see also: Lualaba River, Mulombo)	Congo (Democratic Republic of the)		7° 50' 00" S 27° 00' 00" E	578 m
Muluchu	Rwanda		1° 32' 00" S 30° 37' 00" E	
Mulungu (see also: Mulungu Miti)	Congo (Democratic Republic of the)		2° 19' 00" S 28° 48' 00" E	1159 m
Mulungu Kivu	Congo (Democratic Republic of the)		2° 54' 00" S 27° 56' 00" E	1159 m
Mulungu Miti (see Mulungu)	Congo (Democratic Republic of the)		2° 19' 00" S 28° 48' 00" E	1159 m
Mulungu-Tshibinda (see Tshibinda)	Congo (Democratic Republic of the)		2° 19' 12" S 28° 45' 50" E	1918 m
Mulunguzi Dam (see also: Trout Ponds)	Malawi		15° 22' 00" S 35° 19' 00" E	
Mulunguzi Road, 10	Malawi		15° 23' 00" S 35° 20' 00" E	900 m
Mulungwishi	Congo (Democratic Republic of the)		10° 46' 58" S 26° 37' 52" E	
Mulungwishi, cave, near Likasi (see also: Grotte de Mulungwishi)	Congo (Democratic Republic of the)		10° 46' 58" S 26° 37' 52" E	1366 m
Mumandu Hill (see Muumandu)	Kenya		1° 40' 00" S 37° 17' 00" E	
Mumba	Congo (Democratic Republic of the)		1° 27' 21" S 28° 53' 01" E	1765 m
Mumbondo	Angola		10° 07' 00" S 14° 07' 00" E	
Mumbwa	Zambia		14° 59' 00" S 27° 04' 00" E	1151 m
Mumena, 70 km E Lubumbashi (see also: Lubumbashi, 70 km E, Mumene)	Congo (Democratic Republic of the)		11° 04' 00" S 28° 08' 00" E	1460 m
Mumena, 70 km E Lubumbashi	Congo (Democratic Republic of the)		11° 46' 00" S 26° 31' 00" E	1460 m
Mumene (see Mumena), 40 km E Lubumbashi	Congo (Democratic Republic of the)		11° 04' 00" S 28° 08' 00" E	
Mumias	Kenya		0° 20' 11" N 34° 29' 21" E	1268 m
Mumushwizi Valley	Burundi		3° 55' 11" S 29° 35' 01" E	1880 m
Munali (see Munali School)	Zambia		15° 23' 00" S 28° 21' 00" E	
Munali School (see also: Munali)	Zambia		15° 23' 00" S 28° 21' 00" E	
Mundari Civil Hospital, Kangapo 2 Payam (see also: Kajo Keji Civil Hospital)	South Sudan		3° 51' 10" N 31° 39' 26" E	
Mundri, 100 mi. NW of Juba, 500 mi. E of Wau (see also: Juba, 100 mi [=160 km] NW, Mandri, Wau, 500 mi [=800 km] E)	South Sudan		5° 24' 00" N 30° 15' 00" E	580 m
Munga	Congo (Democratic Republic of the)		3° 35' 00" S 28° 13' 00" E	
Mungamba	Congo (Democratic Republic of the)		5° 28' 00" S 18° 35' 00" E	586 m
Mungari, 5 km N (see also: Mángari, 5 km N)	Mozambique	ca.	17° 10' 00" S 33° 33' 00" E	ca. 500 m
Mungo Anchoncho, [Moungo river?]	Cameroon		4° 03' 00" N 9° 33' 00" E	
Mungo River, East bank	Cameroon		4° 02' 50" N 9° 33' 41" E	
Mungo River, forest across (see Mpundu)	Cameroon		4° 13' 00" N 9° 24' 00" E	
Mungokho Village	Kenya		0° 22' 29" N 34° 53' 55" E	
Mungopani (see Mangapwani)	Tanzania		6° 00' 00" S 39° 11' 00" E	
Mungu (see Mongu)	Zambia		15° 15' 00" S 23° 08' 00" E	1009 m
Municipal Farm, near Middelburg	South Africa			4095 ft
Munoi (see Munoi confluence)	Congo (Democratic Republic of the)		8° 45' 00" S 26° 46' 00" E	

Munoi confluence (see also: Munoi)	Congo (Democratic Republic of the)		8° 45' 00" S 26° 46' 00" E	890 m
Munsha'at al Bakkari	Egypt		30° 01' 08" N 31° 08' 23" E	
Munthouse, Pretoria	South Africa		25° 48' 00" S 28° 11' 00" E	
Munyati (see also: Chimsoro Cave, Rhino Cave, Sanyati)	Zimbabwe		18° 39' 00" S 29° 47' 00" E	1064 m
Munywini cave	South Africa	ca.	24° 47' 00" S 31° 50' 00" E	
Muona Mission	Malawi		16° 25' 00" S 35° 10' 00" E	100 m
Mupoi cave, near Yambio	South Sudan		4° 33' 00" N 28° 22' 00" E	
Muqdisho (see also: Hamar, Magadiscio, Maqdishu, Mogadiisho, Mogadischu, Mogadiscio, Mogadiscio, Mogadish, Mogadishiu, Mogadisho, Mogadishu, Moqdisho, Muqdishow, Muqdishu, Xamar)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Muqdisho, 3 mi [=4.8 km] N (see also: Mogadishu, 3 mi [=4.8 km] N, Mogadisio, 3 mi [=4.8 km] N)	Somalia	ca.	2° 04' 00" N 45° 22' 00" E	
Muqdishow (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Muqdishu (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mura, 40 mi [=64 km] NE Torit (see also: Torit, 40 mi [=64 km] NE)	South Sudan		4° 48' 00" N 32° 42' 00" E	948 m
Mura pumping station, near Likasi	Congo (Democratic Republic of the)		10° 58' 00" S 26° 32' 00" E	
Murabue (see Merrápué), 6 km N, 10.8 km E Gurue, Malema river	Mozambique		15° 24' 28" S 37° 04' 30" E	1111 m
Muradingusha (see Mwadingusha)	Congo (Democratic Republic of the)		10° 45' 00" S 27° 15' 00" E	1158 m
Murambi, near Rutshuru	Congo (Democratic Republic of the)		1° 08' 00" S 29° 27' 00" E	1275 m
Muramvya province	Burundi			
Murang'a (see also: Fort Hall)	Kenya		0° 43' 00" S 37° 09' 00" E	1255 m
Murang'a county	Kenya			
Murchison Falls	Uganda		2° 17' 00" N 31° 41' 00" E	3500 ft
Murchison Falls National Park (see Kabalega Falls National Park)	Uganda		2° 08' 46" N 31° 48' 40" E	610 m
Murchison Falls Park (see Kabalega Falls National Park)	Uganda		2° 08' 46" N 31° 48' 40" E	610 m
Muresi Swamp, SE of	Mozambique		15° 23' 58" S 37° 02' 34" E	
Murka mine, near Maktau	Kenya		3° 22' 00" S 37° 56' 00" E	610 m
Murkoryé	Cameroon			
Murogoro (see Morogoro)	Tanzania		6° 49' 00" S 37° 40' 00" E	510 m
Murore	Burundi		3° 11' 15" S 30° 39' 45" E	1826 m
MurquPC:MR|)	Libya			
Murray Town	Sierra Leone		8° 29' 37" N 13° 15' 55" W	20 m
Murraysburg, 14.5 km S, 38.5 km E (see Farm Doornbosch)	South Africa		32° 02' 42" S 24° 04' 46" E	1500 m
Murraysburg, 16.0 km N, 17.2 km W	South Africa		31° 47' 00" S 23° 34' 46" E	1140 m
Murraysburg, 40.2 km S, 31.8 km W (see Farm Alexanderskraal)	South Africa		32° 18' 35" S 23° 25' 00" E	3000 ft
Murraysburg, 45.2 km S, 28.6 km W (see Farm Koedoeskloof)	South Africa		32° 21' 23" S 23° 27' 04" E	884 m
Murraysburg, 7.5 km N, 14.1 km W (see Farm Eloffshoek)	South Africa		31° 53' 42" S 23° 36' 52" E	1100 m
Murraysburg, NW of	South Africa		31° 52' 00" S 23° 37' 00" E	
Murukiron, 50 mi [=80 km] E Torit (see also: Murukurun, Torit, 50 mi [=80 km] E)	South Sudan		4° 20' 00" N 33° 20' 00" E	1080 m
Murukurun (see Murukiron), 50 mi [=80 km] E Torit	South Sudan		4° 20' 00" N 33° 20' 00" E	1080 m
Murunda	Rwanda		1° 54' 00" S 29° 22' 00" E	1711 m
Murzuch	Libya		25° 54' 16" N 13° 53' 50" E	501 m
Murzuk	Libya		25° 54' 16" N 13° 53' 50" E	501 m
Murzuq	Libya		25° 54' 16" N 13° 53' 50" E	501 m
Murzuq district	Libya			
Musa	Jebel Hamana			
Musabi (Special Camp), Serengeti	Tanzania	ca.	2° 17' 18" S 34° 28' 00" E	
Musaia, 145 mi NE Freetown (see also: Freetown, 145 mi [=233 km] NE)	Sierra Leone		9° 45' 00" N 11° 34' 00" W	423 m
Musaké, 25 km from Obala (???)	Cameroon	ca.	4° 12' 00" N 9° 12' 00" E	
Musanse (see Musanze)	Rwanda		1° 28' 57" S 29° 36' 03" E	
Musanze (see also: Colline Musanze, Musanse)	Rwanda		1° 28' 57" S 29° 36' 03" E	
Musanze-Djomba	Congo (Democratic Republic of the)		1° 20' 00" S 29° 34' 00" E	1500 m
Musela (see Musola)	Equatorial Guinea		3° 26' 00" N 8° 37' 00" E	437 m
Musende Bay, Lake Tanganyika (see also: Musende Show)	Zambia		8° 46' 00" S 31° 06' 00" E	
Musende Show (see Musende Bay), Lake Tanganyika	Zambia		8° 46' 00" S 31° 06' 00" E	

Musenge	Congo (Democratic Republic of the)		2° 42' 00" S 27° 02' 00" E	
Musenge, 15 mi S Walikale	Congo (Democratic Republic of the)		1° 39' 54" S 28° 07' 14" E	
Musenge	Congo (Democratic Republic of the)		1° 37' 00" S 28° 18' 00" E	
Musengezi river	Zimbabwe		16° 15' 00" S 30° 45' 00" E	
Musengezi river confluence	Zimbabwe		16° 15' 00" S 30° 45' 00" E	
Musenji (see Musindji)	Congo (Democratic Republic of the)		7° 36' 00" S 24° 33' 00" E	894 m
Museya (see Mosenda)	Congo (Democratic Republic of the)		0° 04' 00" N 29° 22' 00" E	1737 m
Musgrave	South Africa		29° 50' 06" S 31° 00' 27" E	
Musha (see also: Colline Musha)	Rwanda		2° 31' 40" S 29° 51' 54" E	
Mushandike National Park	Zimbabwe		20° 06' 00" S 30° 39' 00" E	
Mushie	Congo (Democratic Republic of the)		3° 01' 00" S 16° 54' 00" E	180 m
Mushitv, headwaters interior of, Kanyale stream	Zambia		10° 58' 00" S 24° 07' 00" E	
Musina, 4 km E (see also: Messina, 4 km E)	South Africa		22° 21' 00" S 30° 03' 00" E	
Musindji (see also: Musenji, Musingi)	Congo (Democratic Republic of the)		7° 36' 00" S 24° 33' 00" E	894 m
Musingi (see Musindji), 200 km from Kamina	Congo (Democratic Republic of the)		7° 36' 00" S 24° 33' 00" E	894 m
Musingwa River (see Masingwa River)	Zimbabwe		16° 10' 00" S 31° 30' 00" E	
Musisi swamp area	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 28° 45' 00" E	
Musola (see also: Musela)	Equatorial Guinea		3° 26' 00" N 8° 37' 00" E	437 m
Musola River	Equatorial Guinea	ca.	3° 26' 00" N 8° 37' 00" E	
Musoma (see also: Mazama, Misoma, Musome, Muzoma)	Tanzania		1° 30' 00" S 33° 48' 00" E	
Musoma district	Tanzania		1° 45' 00" S 33° 50' 00" E	
Musome (see Musoma)	Tanzania		1° 30' 00" S 33° 48' 00" E	
Musonge, 69 km E Lubumbashi (see also: Lubumbashi, 69 km E)	Congo (Democratic Republic of the)		11° 28' 00" S 27° 52' 00" E	1183 m
Musosa (see also: Msosa)	Zambia		8° 23' 00" S 29° 38' 00" E	976 m
Musosa, near	Congo (Democratic Republic of the)		8° 22' 00" S 29° 38' 00" E	
Musran (see Jazirat Musran)	Sudan		12° 47' 14" N 32° 46' 52" E	
Musran Island (see Jazirat Musran)	Sudan		12° 47' 14" N 32° 46' 52" E	
Musran Island, N End (see Jazirat Musran, N end)	Sudan	ca.	12° 55' 16" N 32° 48' 01" E	
Musran, N end (see Jazirat Musran, N end)	Sudan	ca.	12° 55' 16" N 32° 48' 01" E	
Musterland, Farm 113 (see Farm Musterland 113)	Namibia		20° 14' 16" S 15° 53' 00" E	1200 m
Musugeriza river	Congo (Democratic Republic of the)		1° 09' 00" S 29° 27' 00" E	1150 m
Mut, 6 km N (see Dakhla Oasis)	Egypt		25° 29' 00" N 28° 59' 00" E	109 m
Mutale River	South Africa		22° 27' 00" S 31° 05' 00" E	
Mu'tamadiyat Taburbah (see Taburbah, Mu'tamadiyat)	Tunisia		36° 55' 00" N 9° 45' 00" E	
Mutanda Hills, Save Drift	Zimbabwe		19° 07' 30" S 32° 07' 30" E	
Mutanda, lake	Uganda		1° 12' 31" S 29° 40' 31" E	
Mutano (see Humbe)	Angola		16° 41' 00" S 14° 54' 00" E	116 m
Mutare (see also: Mutare Asbestos Mine, No 2 Adit, Nyautare, Old Mine Adit, Old Umtali, Umtali, Umtali Mine adit, Umtali Old mine)	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
Mutare Asbestos Mine (see Mutare)	Zimbabwe		18° 58' 29" S 32° 39' 20" E	
Mutare Boys High School	Zimbabwe		18° 57' 41" S 32° 41' 30" E	
Mutare Museum	Zimbabwe		18° 58' 16" S 32° 40' 02" E	
Mutare, 10 mi [=16 km] from, on Vumba road (see also: Umtali, 10 mi [=16 km] from)	Zimbabwe		19° 06' 46" S 32° 45' 45" E	
Mutare, 15 km W	Zimbabwe	ca.	18° 55' 47" S 32° 32' 38" E	
Mutare, 3 mi [=4.8 km] from, on Uumbra road (see also: Umtali, 3 mi [=4.8 km] from)	Zimbabwe	ca.	19° 06' 46" S 32° 45' 45" E	
Mutembu Kaniki Kapangu (see Kaniki Kapangu)	Congo (Democratic Republic of the)		6° 45' 00" S 23° 31' 00" E	805 m
Mutitu Andei (see Mtito Andei)	Kenya		2° 41' 00" S 38° 10' 00" E	769 m
Mutsamudu (see Moutsamoudou)	Comoro Islands		12° 09' 46" S 44° 23' 47" E	204 m
Mutsora	Congo (Democratic Republic of the)		0° 19' 00" N 29° 44' 00" E	1200 m
Mutsora Station	Congo (Democratic Republic of the)		0° 19' 00" N 29° 45' 00" E	1394 m
Mutumba Mission	Burundi		3° 35' 00" S 29° 22' 00" E	
Mutura	Rwanda		1° 35' 56" S 29° 22' 56" E	2370 m

Mututa (see also: Mukuta)	Congo (Democratic Republic of the)		11° 21' 00" S 27° 47' 00" E	1229 m
Mutwanga, Ruwenzori W (see also: Kya irtumbi)	Congo (Democratic Republic of the)		0° 20' 00" N 29° 45' 00" E	1338 m
Muumandu (see also: Momandu Hill, Mumandu Hill, Muumandu Hill, Muumandu Market)	Kenya		1° 35' 00" S 37° 21' 00" E	
Muumandu Hill (see Muumandu)	Kenya		1° 40' 00" S 37° 17' 00" E	
Muumandu Market (see Muumandu)	Kenya		1° 40' 00" S 37° 17' 00" E	
Muvo, mount (see also: Mount Muvo)	Congo (Democratic Republic of the)		1° 14' 00" S 29° 18' 00" E	
Muvule, cave 4 km from	Congo (Democratic Republic of the)	ca.	9° 11' 00" S 27° 13' 00" E	
Muyebe	Burundi		3° 29' 49" S 29° 46' 44" E	1764 m
Muyinga province	Burundi			
Muyirimbo	Congo (Democratic Republic of the)		0° 32' 00" S 29° 17' 00" E	
Muyombe	Zambia		10° 35' 00" S 32° 28' 00" E	1401 m
Muyuka, 48 km N Buéa (see also: Buéa Station, 30 mi [=48 km] N, Buéa, 48 km N, Mayuka, Mouyouka, Muéa, Muyuna Town)	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Muyuna Town (see Muyuka)	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Muyuni, Zanzibar (see also: Mojoni)	Tanzania		6° 22' 00" S 39° 28' 00" E	0 m
Muzarabani Clinic	Zimbabwe		16° 22' 30" S 30° 52' 30" E	
Muzoma (see Musoma)	Tanzania		1° 30' 00" S 33° 48' 00" E	
Muzubuku	Zambia			
Muzvezve Communal Land	Zimbabwe			
Mvadhi (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Mvadhi-Ousyé (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Mvadi (see also: M'Vaddi, Mvadhi, Mvadhi-Ousyé, Mvahdi, M'Vahdi Ousye, Mvandi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Mvadi, near	Gabon	ca.	1° 13' 00" N 13° 12' 00" E	
Mvahdi (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
M'Vahdi Ousye (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Mvandi (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Mvaya (see Mwaya), small port at N end Lake Nyasa	Tanzania		9° 33' 00" S 33° 57' 00" E	472 m
Mvaza Marsh Game Park, Tented camp	Malawi		10° 53' 00" S 33° 27' 00" E	
Mvé II, 60 km W Yaoundé, on Ayos road	Cameroon		3° 54' 00" N 11° 43' 00" E	752 m
MVE II (see Ayos Road, Mvoutesi II)	Cameroon		3° 15' 00" N 11° 48' 00" E	
Mvengé, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)	Cameroon		3° 16' 00" N 11° 00' 00" E	
Mvengé, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)	Cameroon		3° 16' 00" N 11° 00' 00" E	
Mvengé, 6 km W (see Mvengué, 6 km W)	Cameroon		3° 17' 00" N 11° 01' 00" E	
Mvengu, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)	Cameroon		3° 16' 00" N 11° 00' 00" E	
Mvengu, 6 km W (see Mvengué, 6 km W)	Cameroon		3° 17' 00" N 11° 01' 00" E	
Mvengué, 3 km W, 1 km N (see also: Mvengé, 3 km W, 1 km N, Mvengé, 3 km W, 1 km N, Mvengu, 3 km W, 1 km N)	Cameroon		3° 16' 00" N 11° 00' 00" E	
Mvengué, 6 km W (see also: Mvengé, 6 km W, Mvengu, 6 km W, Mvingé, 6 km W)	Cameroon		3° 17' 00" N 11° 01' 00" E	
Mvingé, 6 km W (see Mvengué, 6 km W)	Cameroon		3° 17' 00" N 11° 01' 00" E	
Mvita (see Mombasa)	Kenya		4° 03' 00" S 39° 40' 00" E	0 m
Mvom (see also: Nvom)	Equatorial Guinea		1° 22' 37" N 11° 13' 07" E	553 m
Mvouba river (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Mvoutési II, 60 km W Yaoundé, on Ayos road (see also: Yaoundé, 60 km W, on Ayos road)	Cameroon		3° 15' 00" N 11° 48' 00" E	614 m
Mvuazi (see Maunzi)	Congo (Democratic Republic of the)		5° 19' 00" S 15° 07' 00" E	547 m
Mvuba River (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Mvuha Forest Reserve	Tanzania		7° 11' 50" S 37° 48' 08" E	
Mvurwi, Nyamunyeche (see also: Dawsons, Umvukwes)	Zimbabwe		17° 02' 00" S 30° 51' 00" E	1451 m
Mvuu Camp	Malawi		14° 51' 04" S 35° 17' 43" E	480 m
Mvuva River (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Mwabvi Rest Camp	Malawi		16° 39' 23" S 35° 03' 06" E	
Mwadingusha (see also: Muradingusha)	Congo (Democratic Republic of the)		10° 45' 00" S 27° 15' 00" E	1158 m
Mwadingusha, electricity plant	Congo (Democratic Republic of the)		10° 45' 00" S 27° 15' 00" E	1158 m
Mwakalukwa banana plantation, Misuku hills, near Chitipa	Malawi		9° 40' 00" S 33° 35' 00" E	
Mwakitau (see Maktau)	Kenya		3° 24' 00" S 38° 08' 00" E	1171 m

Mwali Island (see also: Mohéli Island |PC:MO|)	Comoro Islands			
Mwalingo	Malawi		9° 40' 12" S 33° 31' 58" E	1460 m
Mwambeshi river (see Mwombezhi river)	Zambia		12° 52' 00" S 25° 59' 00" E	
Mwamyesya banana plantation	Malawi		9° 56' 00" S 33° 48' 00" E	
Mwamza (see Mwanza)	Tanzania		2° 31' 00" S 32° 54' 00" E	1209 m
Mwana-Kusu (see also: Mwanakusu)	Congo (Democratic Republic of the)		4° 26' 00" S 26° 48' 00" E	612 m
Mwanakusu (see Mwana-Kusu)	Congo (Democratic Republic of the)		4° 26' 00" S 26° 48' 00" E	612 m
Mwanakusu cave (see also: Grotte de Mwanakusu, Mwanakusu grot)	Congo (Democratic Republic of the)		4° 35' 00" S 27° 08' 00" E	
Mwanakusu grot (see Mwanakusu cave)	Congo (Democratic Republic of the)		4° 35' 00" S 27° 08' 00" E	
Mwanamakuku cave (see Pujini village)	Tanzania		5° 18' 00" S 39° 48' 00" E	1 m
Mwanasomano's, 35 mi [=56 km] S Tabora (see also: Mwansomanos, Tabora, 35 mi [=56 km] S)	Tanzania	ca.	5° 25' 19" S 32° 42' 42" E	
Mwanda	Congo (Democratic Republic of the)		2° 13' 00" S 28° 51' 00" E	
Mwandwanga banana plantation	Malawi		9° 55' 00" S 33° 52' 00" E	
Mwanga cave, 15 km S Likasi (see also: Defrenne cave, Defrenne grot, Grotte de Defrenne, Grotte de Mwanga, Jadotstad, 15 km S, Jadotville, 15 km S, Likasi, 15 km S, Mwanga grot)	Congo (Democratic Republic of the)		10° 58' 00" S 26° 39' 00" E	
Mwanga district	Tanzania		3° 45' 00" S 37° 40' 00" E	
Mwanga grot (see Mwanga cave), 15 km S Likasi	Congo (Democratic Republic of the)		10° 58' 00" S 26° 39' 00" E	
Mwanihana Forest, Uuzungwa Mountains (see also: Mwanihana Forest Reserve)	Tanzania		7° 50' 00" S 36° 50' 00" E	100 m
Mwanihana Forest Reserve (see Mwanihana Forest), Uuzungwa Mountains	Tanzania		7° 50' 00" S 36° 50' 00" E	100 m
Mwansa (see Mwanza)	Tanzania		2° 31' 00" S 32° 54' 00" E	1209 m
Mwansomanos (see Mwanasomano's), 35 mi [=56 km] S Tabora	Tanzania	ca.	5° 25' 19" S 32° 42' 42" E	
Mwanya	Zambia		12° 43' 00" S 32° 15' 00" E	683 m
Mwanza (see also: Muansa, Muanza, Mwamza, Mwansa)	Tanzania		2° 31' 00" S 32° 54' 00" E	1209 m
Mwanza district	Tanzania		2° 30' 00" S 33° 00' 00" E	
Mwanza district	Malawi			
Mwanza region	Tanzania			
Mwapewa caves (see Diani)	Kenya		4° 16' 19" S 39° 34' 08" E	
Mwaro province	Burundi			
Mwasa	Tanzania		6° 40' 00" S 36° 45' 00" E	627 m
Mwaya, small port at N end Lake Nyasa (see also: Muaja, Mvaya)	Tanzania		9° 33' 00" S 33° 57' 00" E	472 m
Mwaya, Kilwa	Tanzania		8° 55' 00" S 36° 50' 00" E	464 m
Mwaya, lake Nyasa	Malawi		12° 28' 00" S 33° 43' 00" E	1228 m
Mwaya, southwestern	Tanzania	ca.	9° 33' 00" S 33° 57' 00" E	
Mwazye	Tanzania		8° 27' 00" S 31° 44' 00" E	1883 m
Mwebe bridge, near Kikwit	Congo (Democratic Republic of the)		5° 02' 50" S 18° 50' 15" E	
Mweiga, 10 mi [=16 km] NW (see also: Muiga, 10 mi [=16 km] NW)	Kenya	ca.	0° 19' 00" S 36° 54' 00" E	
Mweka (see also: Mueka, Mweka Kasai)	Congo (Democratic Republic of the)		4° 51' 00" S 21° 34' 00" E	466 m
Mweka Kasai (see Mweka)	Congo (Democratic Republic of the)		4° 51' 00" S 21° 34' 00" E	466 m
Mweka territory	Congo (Democratic Republic of the)		4° 51' 00" S 21° 34' 00" E	
Mwekera [river], near Kitwe	Zambia		12° 52' 00" S 28° 16' 00" E	
Mwela	Uganda		1° 16' 00" N 31° 00' 00" E	1158 m
Mwela	Tanzania		7° 46' 00" S 31° 40' 00" E	1031 m
Mwelampande (see Tenke), 130 km N Likasi	Congo (Democratic Republic of the)		10° 35' 00" S 26° 07' 00" E	1512 m
Mwela-Pande cave (see Tenke), 130 km N Likasi	Congo (Democratic Republic of the)		10° 35' 00" S 26° 07' 00" E	1512 m
Mwele Forest, 12 km S, 11 km W Kwale	Kenya		4° 17' 00" S 39° 21' 00" E	
Mwenda-Katuka piste, Munscnene section	Congo (Democratic Republic of the)	ca.	0° 24' 43" N 29° 46' 10" E	
Mwenekapoka banana plantation, near Chitipa	Malawi		9° 46' 00" S 33° 29' 00" E	
Mwenga	Congo (Democratic Republic of the)		3° 02' 19" S 28° 25' 57" E	1643 m

Mwenga territory	Congo (Democratic Republic of the)		3° 02' 00" S 28° 26' 00" E	
Mwenge	Congo (Democratic Republic of the)		3° 42' 00" S 28° 10' 00" E	1100 m
Mwenyama village, near Mangochi	Malawi		14° 29' 00" S 35° 16' 00" E	
Mwera	Congo (Democratic Republic of the)		11° 19' 00" S 27° 18' 00" E	
Mwera district	Tanzania			
Mweru Marsh, Kangiri	Zambia		8° 45' 00" S 29° 30' 00" E	
Mweru Marsh Game Reserve, Kangiri	Zambia		8° 45' 00" S 29° 30' 00" E	
Mweru river (see also: Meru river)	Tanzania			
Mweru river (see Meru river), Northern Guaso Nyiro	Kenya		0° 03' 00" N 37° 39' 00" E	
Mweru Wantipa, Kangiri	Zambia		8° 45' 00" S 29° 30' 00" E	
Mweru Wantipa National Park, Kangiri	Zambia		8° 45' 00" S 29° 30' 00" E	
Mweru Wantipa National Park No. 5, Kangiri	Zambia		8° 45' 00" S 29° 30' 00" E	
Mweya, near Gitega	Burundi		3° 29' 25" S 29° 55' 42" E	1762 m
Mweya (see Mweya Lodge)	Uganda		0° 14' 27" S 29° 55' 08" E	914 m
Mweya Lodge (see also: Miveya, Mweya, Mweya Safari Lodge)	Uganda		0° 14' 27" S 29° 55' 08" E	914 m
Mweya Safari Lodge (see Mweya Lodge)	Uganda		0° 14' 27" S 29° 55' 08" E	914 m
Mwiga	Congo (Democratic Republic of the)		0° 40' 00" S 29° 27' 00" E	
Mwingi	Kenya		0° 56' 00" S 38° 04' 00" E	938 m
Mwingi, 10 mi [1.6 km] E	Kenya	ca.	0° 56' 00" S 38° 04' 00" E	
Mwinilunga, on Sakeji Stream	Zambia		11° 21' 00" S 24° 15' 00" E	4700 ft
Mwinilunga district	Zambia		12° 00' 00" S 24° 35' 00" E	
Mwinilunga district	Zambia		12° 00' 00" S 24° 35' 00" E	
Mwiru (see Luiro)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	5400 ft
Mwiti Mkuu, Pemba island	Tanzania		4° 55' 00" S 39° 48' 00" E	
Mwittanzige (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	1° 40' 00" N 30° 40' 00" E	
Mwofwomero Forest	Tanzania		6° 50' 01" S 36° 34' 19" E	1900 m
Mwombezhi river (see also: Mombeshi river, Mombezhi river, Mwambeshi river)	Zambia		12° 52' 00" S 25° 59' 00" E	
Mwombezi (see also: Mwombezi village)	Zambia		12° 13' 00" S 25° 34' 00" E	1200 m
Mwsamwilager	Tanzania			
Mwuba river (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Myabikere (see Nyabikere)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 27' 00" E	1160 m
Myaiai	Tanzania		6° 48' 00" S 39° 12' 00" E	
Mzala Chichaoua (see Chichaoua), Rif	Morocco		31° 32' 40" N 8° 45' 58" W	322 m
Mzambo, lower Limpopo River	Mozambique		23° 23' 00" S 32° 22' 00" E	
Mzedi Mission and School (see Misuku Mission)	Malawi		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
Mziki Pan	South Africa		27° 42' 05" S 32° 24' 50" E	28 m
Mzima Springs	Kenya		2° 59' 17" S 38° 01' 26" E	
Mzimba district	Malawi			
Mzokoto banana plantation	Malawi		11° 51' 00" S 34° 00' 00" E	
N Angola, Lower Cuanza region	Angola			
N2 crosses Umhlanga River	South Africa		29° 54' 23" S 30° 57' 06" E	
Naa Macha (see Namaacha)	Mozambique		25° 58' 13" S 32° 01' 32" E	547 m
Naâma province (see also: Wilaya de Naama)	Algeria	ca.	33° 30' 00" N 0° 50' 00" W	
Nababeep Wes Mine	South Africa		29° 35' 24" S 17° 45' 16" E	3300 ft
Nabaunama River, Nampula, 20 mi WSW	Mozambique		15° 37' 00" S 38° 52' 00" E	
Nabea	Uganda	ca.	1° 44' 16" N 31° 33' 22" E	
Nabeul (see also: Naboel, Nabul)	Tunisia		36° 27' 00" N 10° 44' 00" E	1 m
Nabeul governorate	Tunisia			
Naboel (see Nabeul)	Tunisia		36° 27' 00" N 10° 44' 00" E	1 m
Naboggo (see Nabogo)	Ghana		9° 44' 25" N 0° 49' 29" W	137 m
Nabogo (see also: Naboggo, Nabugge, Nabuggo)	Ghana		9° 44' 25" N 0° 49' 29" W	137 m
Naboomspruit, 2 mi [=3.2 km] SE (see Mosdene [farmstead])	South Africa		24° 36' 00" S 28° 47' 00" E	
Nabugabo, lake (see also: Lake Nabugabo)	Uganda		0° 20' 09" S 31° 52' 29" E	
Nabugge (see Nabogo)	Ghana		9° 44' 25" N 0° 49' 29" W	137 m
Nabuggo (see Nabogo)	Ghana		9° 44' 25" N 0° 49' 29" W	137 m
Nabul (see Nabeul)	Tunisia		36° 27' 00" N 10° 44' 00" E	1 m
Nabumali	Uganda		0° 59' 16" N 34° 12' 33" E	1268 m
Nabwalia Village (see Nabwalya)	Zambia		12° 24' 00" S 31° 59' 00" E	638 m

Nabwalya (see also: Nabwalia Village)	Zambia		12° 24' 00" S 31° 59' 00" E	638 m
Nacelot, near mount (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river	Kenya		1° 49' 00" N 35° 18' 00" E	
Nachingwa (see Nachingwea)	Tanzania		10° 23' 00" S 38° 46' 00" E	380 m
Nachingwea (see also: Nachingwa)	Tanzania		10° 23' 00" S 38° 46' 00" E	380 m
Nachingwea district	Tanzania		10° 30' 00" S 38° 20' 00" E	
Nachtigal	Cameroon		4° 21' 00" N 11° 38' 00" E	454 m
Nadegbe river	Congo (Democratic Republic of the)		4° 29' 22" N 29° 38' 44" E	
Nadélé (see Ndélé)	Central African Republic		8° 24' 39" N 20° 38' 50" E	
Nador prefecture	Morocco			
Nador, 20 km SE	Morocco		35° 07' 00" N 2° 45' 00" W	
Naerina, Farm (see Farm Naerina), 8 km E Duiwelskloof	South Africa		23° 42' 00" S 30° 16' 00" E	
Nafifik forest	Morocco		33° 43' 00" N 7° 20' 00" W	
Nafzawah (see also: Nefzaoua)	Tunisia	ca.	33° 30' 00" N 9° 00' 00" E	
Nag Hamadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Nag Hamady (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Nag' Hammadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Nag' Hammadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Nag Hammadi, 16 km S (see Naj' ?ammadi, 16 km S)	Egypt		25° 54' 00" N 32° 15' 00" E	
Nag Misaw, Abu Simbel East	Egypt		22° 22' 00" N 31° 42' 00" E	
Naga Hamadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Nagaruta Forest Reserve	Nigeria		9° 58' 00" N 8° 54' 00" E	
Nagbarama	Congo (Democratic Republic of the)		4° 17' 00" N 29° 32' 00" E	
Nagele (see Negele)	Ethiopia		5° 19' 00" N 39° 35' 00" E	1533 m
Nagera (see Nagero)	Congo (Democratic Republic of the)		3° 45' 00" N 29° 31' 00" E	753 m
Nagero (see also: Nagera)	Congo (Democratic Republic of the)		3° 45' 00" N 29° 31' 00" E	753 m
Nagero county	South Sudan			
Nagichot, 100 mi E Torit (see also: Nagishot, Naqishot, Torit, 100 mi [=160 km] E)	South Sudan		4° 16' 38" N 33° 33' 35" E	1981 m
Nagishot (see Nagichot), 100 mi E Torit	South Sudan		4° 16' 38" N 33° 33' 35" E	1981 m
Nagle Dam (see also: Nagle Dam Lodge, Pietermaritzburg, 25 km E)	South Africa		29° 36' 00" S 30° 38' 00" E	365 m
Nagle Dam Fish Hatchery (see Umgeni (Fish) Hatchery)	South Africa		29° 35' 25" S 30° 37' 18" E	400 m
Nagle Dam Lodge (see Nagle Dam)	South Africa		29° 36' 00" S 30° 38' 00" E	365 m
Nahampoana (see Ampasy Nahampoana)	Madagascar		24° 58' 00" S 46° 59' 00" E	63 m
Nahampoana Forest (see Ampasy Nahampoana Forest)	Madagascar	ca.	24° 58' 00" S 46° 59' 00" E	
Nahoon Point, 5 km S, 7.5 km W (see Bat's Cave)	South Africa		33° 02' 45" S 27° 52' 05" E	0 m
Nahoon Suburb	South Africa		32° 59' 00" S 27° 56' 00" E	50 m
Nahouri province	Burkina Faso			
NahrPC:RN|)	Sudan			
Nahr Sobat (see Sobat river)	South Sudan		9° 22' 14" N 31° 32' 52" E	
Nahr Subat (see Sobat river)	South Sudan		9° 22' 14" N 31° 32' 52" E	
Naibei's Great Cave	Kenya		0° 50' 00" N 34° 42' 00" E	
Naimniam	Congo (Democratic Republic of the)			
Nairobi (see also: Nairobi Station)	Kenya		1° 17' 00" S 36° 49' 00" E	1728 m
Nairobi - Mombasa road, 150 km along (see Hunter's Lodge)	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	
Nairobi (former) province	Kenya			1707 m
Nairobi area	Kenya	ca.	1° 17' 00" S 36° 49' 00" E	
Nairobi county	Kenya			
Nairobi district	Kenya			
Nairobi Fort (see Karen)	Kenya		1° 20' 00" S 36° 45' 00" E	
Nairobi National Park	Kenya		1° 22' 00" S 36° 50' 00" E	
Nairobi river	Kenya	ca.		
Nairobi Royal National Park	Kenya		1° 22' 00" S 36° 50' 00" E	
Nairobi Station (see Nairobi)	Kenya		1° 17' 00" S 36° 49' 00" E	
Nairobi, 10 mi [=16 km] S, on river	Kenya	ca.	1° 20' 00" S 36° 49' 00" E	
Nairobi, 10 mi [=16 km] W (see Karen)	Kenya		1° 20' 00" S 36° 45' 00" E	
Nairobi, 10 mi [=16 km] below, on river	Kenya	ca.	1° 17' 00" S 36° 49' 00" E	1707 m
Nairobi, 177 km E (see Makindu river)	Kenya		2° 09' 25" S 37° 54' 25" E	
Nairobi, 192 km E (see Makindu, near)	Kenya		2° 18' 00" S 37° 50' 00" E	
Nairobi, 3 mi [=4.8 km] N (see Mathaiga (Golf course))	Kenya	ca.	1° 15' 00" S 36° 50' 00" E	1694 m
Nairobi, 30 mi [=48 km] E	Kenya		1° 31' 00" S 37° 16' 00" E	1524 m
Nairobi, 32 km N (see Ruiru)	Kenya		1° 09' 00" S 36° 58' 00" E	1564 m

Nairobi, 32 mi [=52 km] NE (see Donyo Sabuk)	Kenya		1° 08' 00" S 37° 16' 00" E	
Nairobi, 35 mi [= 55 km] WNW (see Mount Suswa cave)	Kenya		1° 09' 00" S 36° 21' 00" E	2195 m
Nairobi, 6 mi [=9.6 km] N	Kenya	ca.	1° 17' 00" S 36° 49' 00" E	
Nairobi, 96 mi [=154 km] from	Kenya		2° 10' 00" S 37° 33' 00" E	
Nairobi, University	Kenya		1° 17' 00" S 36° 49' 00" E	
Nairobo, 155 km SE (see Simba)	Kenya		2° 10' 00" S 37° 36' 00" E	
Naivasha (see also: Naivasha Station)	Kenya		0° 43' 00" S 36° 26' 00" E	2085 m
Naivasha district	Kenya			
Naivasha Station (see Naivasha)	Kenya		0° 43' 00" S 36° 26' 00" E	2085 m
Naivasha, 1 km S, 25 km W (see Ndabibi cave)	Kenya		0° 44' 00" S 36° 13' 00" E	
Naivasha, 10 mi [=16 km] W	Kenya	ca.	0° 42' 46" S 36° 17' 13" E	
Naivasha, 2 mi [=3.2 km] SE (see Naivasha, Lake Hotel)	Kenya		0° 44' 00" S 36° 26' 00" E	
Naivasha, 24 km E	Kenya		0° 44' 00" S 36° 39' 00" E	
Naivasha, 35 km E	Kenya		0° 44' 00" S 36° 45' 00" E	1890 m
Naivasha, 35.4 km E	Kenya		0° 44' 00" S 36° 45' 00" E	1900 m
Naivasha, 7 mi [=11 km] SE	Kenya	ca.	0° 47' 33" S 36° 28' 36" E	
Naivasha, cave near lake (see also: Lake Naivasha, cave near)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	
Naivasha, E shore lake (see also: Lake Naivasha, E shore)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	1829 m
Naivasha, lake (see also: Enaiposha, Lake Naivasha)	Kenya		0° 46' 00" S 36° 21' 00" E	6000 ft
Naivasha, Lake Hotel (see also: Naivasha, 2 mi [=3.2 km] SE)	Kenya		0° 44' 00" S 36° 26' 00" E	
Naivasha, near lake (see also: Lake Naivasha, near)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	1890 m
Naivasha, S end lake (see also: Lake Naivasha, S end)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	
Naj' al Hammadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Naj' al ?ammadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Naj' ?ammadi (see also: Gebel el Hagif, Nag Hamadi, Nag Hamady, Nag' Hammadi, Nag' Hammadi, Naga Hamadi, Naj' al Hammadi, Naj' al ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Naj' ?ammadi, 16 km S (see also: Nag Hammadi, 16 km S)	Egypt		25° 54' 00" N 32° 15' 00" E	
Nakaetsi, Farm 376 (see Farm Nakaetsi 376), Tzaneen district, Zoutpansberg	South Africa		23° 40' 00" S 30° 05' 00" E	
Nakapiripirit district	Uganda			
Nakaseke district	Uganda			
Nakasongola district	Uganda			
Nakibou, Kilwa	Tanzania		9° 00' 00" S 39° 30' 00" E	
Nakiluba (see Inakiluba)	Congo (Democratic Republic of the)		11° 34' 00" S 27° 19' 00" E	1280 m
Nakilubo (see Inakiluba)	Congo (Democratic Republic of the)		11° 34' 00" S 27° 19' 00" E	1280 m
Nakpanga	Congo (Democratic Republic of the)		4° 36' 00" N 29° 34' 00" E	
Nakpanga river	Congo (Democratic Republic of the)		4° 39' 00" N 29° 32' 00" E	
Nakuchett, 16 mi NNE Kacheliba (see also: Kacheliba, 16 mi [=25.7 km] NNE)	Kenya		1° 46' 00" N 35° 07' 00" E	1311 m
Nakuru	Kenya		0° 17' 00" S 36° 04' 00" E	1952 m
Nakuru county	Kenya			
Nakuru district	Kenya			6000 ft
Nakuru Lake Forest (see Lake Naruku National Park)	Kenya		0° 20' 22" S 36° 05' 59" E	
Nakuru Lake Forest Reserve (see Lake Naruku National Park)	Kenya		0° 20' 22" S 36° 05' 59" E	
Nakuru Prison cave, 4 km N, 2 km W Nakuru (see also: Nakuru, 4 km N, 2 km W)	Kenya	ca.	0° 17' 00" S 36° 04' 00" E	
Nakuru, 12 km S, 4 km E	Kenya		0° 24' 00" S 36° 07' 00" E	
Nakuru, 2 mi [=3.2 km] S	Kenya		0° 18' 00" S 36° 01' 00" E	1920 m
Nakuru, 2 mi [=3.2 km] W	Kenya		0° 17' 00" S 36° 02' 16" E	1844 m
Nakuru, 20 mi [=32 km] W (see Mau Forest)	Kenya		0° 36' 45" S 35° 44' 24" E	
Nakuru, 22.5 km N (see Solai valley)	Kenya		0° 03' 00" N 36° 09' 00" E	1950 m
Nakuru, 3 km S, 3 km W (see Njoro river)	Kenya		0° 19' 00" S 36° 03' 00" E	
Nakuru, 4 km N, 2 km W (see Nakuru Prison cave)	Kenya	ca.	0° 17' 00" S 36° 04' 00" E	
Nakuru, 4 mi [=6.4 km] E	Kenya		0° 17' 00" S 36° 07' 28" E	
Nakuru, 4 mi E (see Kit Rawlins Farm)	Kenya	ca.	0° 17' 00" S 36° 04' 00" E	
Nakuru, 5 km WSW	Kenya		0° 16' 00" S 36° 04' 00" E	
Nakuru, 6 km E	Kenya		0° 17' 00" S 36° 07' 28" E	
Nakuru, 7 km S, 5 km E (see Lion Hill cave)	Kenya		0° 21' 00" S 36° 08' 00" E	
Nakuru, lake (see Lake Nakuru)	Kenya		0° 21' 25" S 36° 06' 35" E	1829 m
Nakuru, near	Kenya		0° 17' 00" S 36° 04' 00" E	1981 m
Nakwajit (see Morkwijit)	Kenya		1° 12' 00" N 35° 05' 00" E	1996 m

Nalandula (see Calandula)	Angola		9° 06' 00" S 15° 57' 00" E	626 m
Naleza	Congo (Democratic Republic of the)		15° 27' 00" S 27° 20' 00" E	
Naleza [hill]	Zambia		15° 27' 00" S 27° 20' 00" E	
Nalut district	Libya			
Nam Lolwe (see Victoria, lake)	Uganda	ca.	1° 00' 00" S 33° 00' 00" E	
Nam Lolwe (see Victoria, lake)	Tanzania		1° 00' 00" S 33° 00' 00" E	
Nama dam (see Nama pan), Bushmanland	Namibia		19° 54' 00" S 20° 43' 00" E	
Nama dam (see Nama pan), Bushmanland	Namibia		19° 54' 00" S 20° 43' 00" E	
Nama pan, Bushmanland (see also: Nama dam, Nama dam)	Namibia		19° 54' 00" S 20° 43' 00" E	
Namaacha (see also: Naa Macha, Namahacha)	Mozambique		25° 58' 13" S 32° 01' 32" E	547 m
Namaba	South Africa		27° 22' 30" S 32° 22' 30" E	
Namadzi village, 3 km N	Malawi		15° 38' 00" S 35° 10' 00" E	1027 m
Namagunga, Buganda, 48 km E Kampala (see also: Kampala, 48 km E)	Uganda		0° 22' 26" N 32° 52' 43" E	1140 m
Namahacha (see Namaacha)	Mozambique		25° 58' 13" S 32° 01' 32" E	547 m
Namaku Boma, Nzare Payam	South Sudan		4° 40' 47" N 28° 13' 16" E	661 m
Namakutwa Forest Reserve	Tanzania		8° 15' 00" S 39° 00' 22" E	
Namakwa district	South Africa			
Namanga	Kenya	ca.	2° 33' 00" S 36° 48' 00" E	1359 m
Namanga, near, near Lake Amboseli	Kenya	ca.	2° 33' 00" S 36° 48' 00" E	
Namanjere (see Namanyere)	Tanzania		7° 31' 00" S 31° 03' 00" E	1587 m
Namanyere (see also: Namanjere)	Tanzania		7° 31' 00" S 31° 03' 00" E	1587 m
Namapa	Mozambique		13° 29' 42" S 39° 47' 03" E	
Namaso (see also: Namazo Bay)	Malawi		14° 10' 00" S 34° 59' 00" E	522 m
Namayingo district	Uganda			
Namazo Bay (see Namaso)	Malawi		14° 10' 00" S 34° 59' 00" E	522 m
Nambale, 10 mi [=16 km] N	Kenya		0° 35' 34" N 34° 15' 07" E	
Nambale,10 mi [=16 km] N (see Amakura)	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Nambiga Forest Reserve	Tanzania		8° 34' 00" S 36° 29' 00" E	
Nambiliki / Dungu	Congo (Democratic Republic of the)		3° 40' 00" N 29° 10' 00" E	
Namentenga province	Burkina Faso			
Namib Berge (see Tiras Mountains)	Namibia		26° 08' 00" S 16° 30' 00" E	
Namib Desert Park (see also: Namib Woestynpark, Namib-Naukluft Desert Park)	Namibia		23° 05' 00" S 15° 10' 00" E	
Namib Desert Research Station, Gobabeb (see also: DERU)	Namibia		23° 33' 00" S 15° 02' 00" E	
Namib Woestynpark (see Namib Desert Park)	Namibia		23° 05' 00" S 15° 10' 00" E	
Namibe (see also: Moçâmedes, Mossamedes)	Angola		15° 11' 46" S 12° 09' 08" E	44 m
Namibe province	Angola			
Namibia	Namibia			
Namib-Naukluft Desert Park (see Namib Desert Park)	Namibia		23° 05' 00" S 15° 10' 00" E	
Namirembe (see Nyamirembe)	Tanzania		2° 32' 00" S 31° 42' 00" E	1149 m
Namithu Kilwa	Tanzania		9° 00' 00" S 39° 30' 00" E	
Namizimu Forest Reserve	Malawi		14° 11' 20" S 35° 22' 49" E	
Nammjoni (see Namoundjoga)	Togo		10° 53' 26" N 0° 23' 59" E	280 m
Namoroka (see also: Ambohimirija caves, Causse de Namoroka, Grottes d'Ambohimirija)	Madagascar		16° 24' 00" S 45° 17' 00" E	80 m
Namoroka Nature Reserve (see Tsingy de Namoroka, Réserve Naturelle), Soalala, S	Madagascar		16° 28' 00" S 45° 20' 00" E	
Namoudjogo (see Namoundjoga)	Togo		10° 53' 26" N 0° 23' 59" E	280 m
Namoundjoga (see also: Nammjoni, Namoudjogo, Namouyogo, Namunjogo)	Togo		10° 53' 26" N 0° 23' 59" E	280 m
Namouyogo (see Namoundjoga)	Togo		10° 53' 26" N 0° 23' 59" E	280 m
Nampini, near Victoria Falls	Zambia	ca.	17° 55' 00" S 25° 52' 00" E	
Nampini	Namibia		17° 51' 00" S 23° 20' 00" E	2900 ft
Nampini [island]	Zimbabwe	ca.	17° 54' 46" S 25° 50' 53" E	
Nampongwe [river], Lochinvar	Zambia		15° 44' 00" S 27° 17' 00" E	
Nampula province	Mozambique			
Nampume (see also: Nampune)	Congo (Democratic Republic of the)		4° 21' 00" N 29° 49' 00" E	
Nampune (see Nampume)	Congo (Democratic Republic of the)		4° 21' 00" N 29° 49' 00" E	
Namulere	Uganda			
Namuli, mount (see Mount Namuli)	Mozambique		15° 23' 07" S 37° 04' 04" E	1200 m
Namulonge, 24 km N Kampala (see also: Kampala, 24 km N, Numulongo)	Uganda		0° 31' 47" N 32° 36' 09" E	1133 m

Namumbulu, Kilwa	Tanzania		9° 00' 00" S 39° 30' 00" E	
Namunjogo (see Namoundjoga)	Togo		10° 53' 26" N 0° 23' 59" E	280 m
Namutoni	Namibia		18° 48' 00" S 16° 59' 00" E	1092 m
Namutoni Rest Camp	Namibia		18° 49' 00" S 16° 58' 00" E	1000 m
Namutoni, 4 km S, 2 km E (see Blou-Bok Draai, Etosha)	Namibia		18° 56' 00" S 18° 49' 00" E	1100 m
Namutumba district	Uganda			
Nana Tala	Libya		31° 55' 15" N 11° 53' 07" E	
Nana-Grébizi prefecture	Central African Republic			
Nanakru (see also: Bendo, Great Nanakru, Great Nanna Kru, Nankano, Nanna Kru)	Liberia		4° 49' 50" N 8° 43' 34" W	66 m
Nana-Mambéré prefecture	Central African Republic			
Nanatala	Libya		31° 55' 15" N 11° 53' 07" E	
Nanatalah	Libya			
Nandi county	Kenya			
Nandihizana, 30 km E Tananarive (see also: Antananarivo, 30 km E, Carion, Tananarive, 30 km E)	Madagascar		18° 54' 00" S 47° 43' 00" E	915 m
Nanergou	Togo		10° 55' 00" N 0° 09' 00" E	303 m
Nanga island (see Manda island)	Kenya		2° 16' 29" S 40° 57' 37" E	
Nanga-Eboko, 30 km E	Cameroon		4° 41' 00" N 12° 22' 00" E	631 m
Nanga-Eboko, 82 km NE	Cameroon			
Nangoma cave?, near Matumbi	Tanzania	ca.	9° 29' 00" S 35° 31' 00" E	
Nanguale, Liwale	Tanzania			
Nanguki (see Nanyuki), 37 km W of Mt. Kenya	Kenya		0° 01' 00" N 37° 04' 00" E	1986 m
Nanimba , mount (see Nimba, mount)	Liberia		7° 33' 47" N 8° 27' 54" W	
Nankano (see Nanakru)	Liberia		4° 49' 50" N 8° 43' 34" W	66 m
Nankasi (see Mankesim)	Ghana		5° 16' 00" N 1° 01' 00" W	74 m
Nanna Kru (see Nanakru)	Liberia		4° 49' 50" N 8° 43' 34" W	66 m
Nanyuki, 37 km W of Mt. Kenya (see also: Kenya, mount, 37 km W, Mount Kenya, 37 km W, Nanguki)	Kenya		0° 01' 00" N 37° 04' 00" E	1986 m
Nanyuki district	Kenya			
Nanyuki river	Kenya	ca.	0° 06' 00" S 37° 13' 00" E	
Nanyuki, 24 mi [=39 km] N	Kenya	ca.	0° 22' 00" N 37° 05' 00" E	
Nanyuki, 27 mi [=43 km] NW (see Sosian Game Ranch)	Kenya	ca.	0° 14' 00" N 36° 42' 00" E	
Nanyuki, 38 km N	Kenya		0° 22' 00" N 37° 05' 00" E	
Nanyuki, near	Kenya	ca.	0° 01' 00" N 37° 04' 00" E	
Napa-ire	Napa-ire			
Napak district	Uganda			
Naqishot (see Nagichot), 100 mi E Torit	South Sudan		4° 16' 38" N 33° 33' 35" E	1981 m
Nara Moro (see Naro Moru)	Kenya		0° 10' 00" S 37° 01' 00" E	1890 m
Naragat, 15 mi [=24 km] N (see Kampi Ya Samaki)	Kenya		0° 36' 00" N 36° 01' 00" E	1054 m
Narap, Farm (see Farm Narap), 28 km SSE Springbok	South Africa		29° 53' 00" S 17° 46' 00" E	
Narina, Farm (see Farm Narina), 8 km E Letaba-Duiwelskloof	South Africa		23° 42' 00" S 30° 14' 00" E	
Naro Moru (see also: Nara Moro)	Kenya		0° 10' 00" S 37° 01' 00" E	1890 m
Narok county	Kenya			
Narok district	Kenya		1° 15' 00" S 35° 45' 00" E	
Narok, 35 mi [=56 km] WNW (see Olkenyie)	Kenya		1° 13' 00" S 35° 28' 00" E	
Narok-Masai Game Reserve (see Masai Mara Game Reserve)	Kenya		1° 25' 00" N 34° 55' 00" E	
Naruku, lake, National Park (see Lake Naruku National Park)	Kenya		0° 20' 22" S 36° 05' 59" E	1757 m
Nasarawa state (see also: Nassarawa state |PC:NA|)	Nigeria			
Nashallo, near Sanya Juu	Tanzania		3° 12' 00" S 37° 02' 00" E	
Nasib, near Tsumeb	Namibia		19° 07' 00" S 17° 37' 00" E	
Nasionale Etoshawildtuin (see Etosha National Park)	Namibia		19° 00' 00" S 16° 00' 00" E	
Nasionale Kalahari Gemsbok-Wildtuin (see Kalahari Gemsbok National Park)	South Africa		25° 41' 00" S 20° 20' 00" E	
Nasolot, near mount, 6 mi [=10 km] S Turkwell river (see also: Mount Nacelot, near, Mount Nasolot, near, Nacelot, near mount, Turkwell river, 6 mi [=10 km] S)	Kenya		1° 49' 00" N 35° 18' 00" E	
Nasosurro River	Congo (Democratic Republic of the)			
Nassarawa (see also: Nassarawa)	Nigeria		8° 31' 46" N 7° 43' 27" E	294 m
Nassarawa (see Nassarawa)	Nigeria		8° 31' 46" N 7° 43' 27" E	294 m
NassaPC:NA|)	Nigeria			
Nassengehöhle	Namibia			
Nassob	South Africa		26° 27' 00" S 20° 37' 00" E	

Nassob, 31 km WNW (see Bayip)	South Africa		25° 17' 00" S 20° 13' 00" E	
Nassob, 4 km S (see Rooikop)	South Africa		25° 27' 00" S 20° 34' 00" E	
Nassob, 6 km SE (see Marie se Gat)	South Africa		25° 38' 00" S 20° 38' 00" E	
Nassob, 60 km NW (see Dankbaar Windmill)	South Africa		25° 03' 00" S 20° 08' 00" E	
Nata	Botswana		20° 12' 00" S 26° 11' 00" E	909 m
Nata River (see also: Manzamnyama River)	Botswana	ca.	20° 14' 00" S 26° 10' 00" E	
Nata, 35 mi [=56 km] SW (see N'kata)	Botswana		20° 15' 00" S 26° 00' 00" E	
Natal	South Africa			
Natal Midlands	South Africa		29° 21' 00" S 30° 00' 00" E	
Natal Midlands	South Africa		29° 21' 00" S 30° 00' 00" E	
Natal National Park (see Royal Natal National Park)	South Africa		28° 44' 00" S 28° 55' 00" E	1602 m
Natalse Nasionale Park (see Royal Natal National Park)	South Africa		28° 44' 00" S 28° 55' 00" E	1602 m
Natiaboani	Burkina Faso		11° 41' 57" N 0° 30' 22" E	268 m
Natron See (see Natron, lake) (see also: Ksar el Abadla)	Tanzania		2° 25' 00" S 36° 00' 00" E	
Natron, lake (see also: Lake Natron, Magan, Natron See)	Tanzania		2° 25' 00" S 36° 00' 00" E	
Natron, W side lake (see also: Lake Natron, W side)	Tanzania		2° 25' 00" S 36° 00' 00" E	
Natundabala river (see Tunda Vala gorge)	Angola	ca.	14° 49' 00" S 13° 23' 00" E	
Natural Resources Development College, Lusaka, near	Zambia		15° 23' 00" S 28° 22' 00" E	
Natures Valley Village	South Africa		33° 58' 00" S 23° 34' 00" E	207 m
Naukluft Mountain Zebra Park (see also: Naukluft National Park)	Namibia		24° 13' 00" S 16° 13' 00" E	
Naukluft National Park (see Naukluft Mountain Zebra Park)	Namibia		24° 13' 00" S 16° 13' 00" E	
Navkatwai	Uganda			
Navors Suburb, Residence, Pretoria	South Africa		25° 44' 00" S 28° 16' 00" E	
Nawa region	Côte d'Ivoire			
Nawenge Forest Reserve	Tanzania		8° 42' 00" S 36° 43' 00" E	
Nayala province	Burkina Faso			
Nayouré (see also: Nayouri, Nayuri)	Burkina Faso		12° 16' 00" N 0° 15' 00" E	296 m
Nayouré, 3 km SE (see also: Nayouri, 3 km SE, Nayuri, 3 km SE)	Burkina Faso		12° 15' 00" N 0° 16' 00" E	
Nayouri (see Nayouré)	Burkina Faso		12° 16' 00" N 0° 15' 00" E	296 m
Nayouri, 3 km SE (see Nayouré, 3 km SE)	Burkina Faso		12° 15' 00" N 0° 16' 00" E	
Nayuri (see Nayouré)	Burkina Faso		12° 16' 00" N 0° 15' 00" E	296 m
Nayuri, 3 km SE (see Nayouré, 3 km SE)	Burkina Faso		12° 15' 00" N 0° 16' 00" E	
Nazinga (Game Ranch)	Burkina Faso		11° 11' 06" N 1° 29' 04" W	
Nchalo	Malawi		16° 16' 00" S 34° 55' 00" E	52 m
Ncheu (see Ntcheu), district HQ	Malawi		14° 49' 00" S 34° 38' 00" E	1081 m
Nchisi Forest Reserve (see Ntchisi Forest Reserve)	Malawi		13° 19' 00" S 34° 03' 00" E	
Nchisi, mount	Malawi		13° 22' 00" S 34° 01' 00" E	4500 ft
Ncomacac, near Yengüe, on Río Bitula (see also: Ncomakak, Nocomakak)	Equatorial Guinea		2° 12' 11" N 9° 52' 55" E	
Ncomakak (see Ncomacac)	Equatorial Guinea		2° 12' 11" N 9° 52' 55" E	
Ncomayos, near Micomiseng (see also: Ncomoyos)	Equatorial Guinea		2° 07' 52" N 10° 44' 17" E	366 m
Ncomoyos (see Ncomayos)	Equatorial Guinea		2° 07' 52" N 10° 44' 17" E	366 m
Ncong River (see Río Ncong)	Equatorial Guinea	ca.	1° 08' 00" N 11° 15' 00" E	
Ncouna (see Stanley Pool)	Congo		4° 11' 22" S 15° 26' 19" E	
Ncumeken (see Ncumekie), on Niefang - Evinayong road	Equatorial Guinea		1° 34' 09" N 10° 21' 46" E	561 m
Ncumekie, on Niefang - Evinayong road (see also: Ncumeken)	Equatorial Guinea		1° 34' 09" N 10° 21' 46" E	561 m
Ndabasezwe High School	Swaziland		27° 16' 00" S 31° 46' 00" E	
Ndabibi cave, 1 km S, 25 km W Naivasha (see also: Naivasha, 1 km S, 25 km W)	Kenya		0° 44' 00" S 36° 13' 00" E	
Ndala	Tanzania		3° 37' 30" S 35° 52' 30" E	
Ndama	Congo (Democratic Republic of the)			
Ndanda, 70 km NE Mongu (see also: Mongu, 70 km NE, Ndanda Dambo)	Zambia		14° 58' 00" S 23° 45' 00" E	1086 m
Ndanda Dambo (see Ndanda), 70 km NE Mongu	Zambia		14° 58' 00" S 23° 45' 00" E	1086 m
Ndanda School, Mongu, 70 km NE	Zambia		14° 45' 00" S 23° 45' 00" E	
Ndar (see St-Louis)	Senegal		16° 01' 56" N 16° 37' 00" W	0 m
Ndara hills, Voi	Kenya		3° 31' 00" S 38° 36' 00" E	
Ndauni area, Machakos district?	Kenya	ca.	2° 01' 00" S 37° 26' 00" E	
Ndélé (see also: Nadélé, N'Delé, N'Delle)	Central African Republic		8° 24' 39" N 20° 38' 50" E	
N'Delé (see Ndélé)	Central African Republic		8° 24' 39" N 20° 38' 50" E	
Ndele district (see Ndele prefecture)	Central African Republic			
Ndele prefecture (see also: Ndele district, Ndele province)	Central African Republic			

Ndele province (see Ndele prefecture)	Central African Republic			
Ndelele	Congo (Democratic Republic of the)		4° 22' 00" N 29° 47' 00" E	900 m
N'Delle (see Ndélé)	Central African Republic		8° 24' 39" N 20° 38' 50" E	
Ndemba (see also: Mudina, Mudina Ndemba)	Congo (Democratic Republic of the)		5° 30' 00" S 22° 16' 00" E	
Ndendé (see also: N'Dendé)	Gabon		2° 23' 00" S 11° 23' 00" E	541 m
N'Dendé (see Ndendé)	Gabon		2° 23' 00" S 11° 23' 00" E	541 m
Ndi	Kenya		3° 14' 00" S 38° 30' 00" E	2000 m
Ndian division (see also: Indian division)	Cameroon	ca.	4° 50' 00" N 8° 50' 00" E	
Ndian River	Cameroon		4° 45' 00" N 8° 44' 00" E	
Ndiani coast (see Diani Beach)	Kenya		4° 18' 13" S 39° 35' 01" E	
Ndjakom (see San Joaquín de Ndyiacom)	Equatorial Guinea		2° 01' 45" N 9° 55' 43" E	547 m
N'Djamena (see also: Fort Lamy, Fort-Lamy, Lamy, Ndjemena)	Chad		12° 06' 47" N 15° 02' 57" E	298 m
N'DjaPC:NJ|)	Chad			
Ndjemena (see N'Djamena)	Chad		12° 06' 47" N 15° 02' 57" E	298 m
Ndjili	Congo (Democratic Republic of the)		4° 27' 51" S 15° 20' 56" E	327 m
Ndjolé (see also: Ndjoré)	Cameroon		4° 49' 00" N 11° 56' 00" E	608 m
Ndjolé, 4 km N	Cameroon	ca.	4° 49' 00" N 11° 56' 00" E	ca. 600 m
Ndjolé, 6 km N	Cameroon	ca.	4° 49' 00" N 11° 56' 00" E	ca. 600 m
Ndjoré (see Ndjolé)	Cameroon		4° 49' 00" N 11° 56' 00" E	608 m
Ndlovu Camp	Swaziland		26° 15' 35" S 31° 52' 37" E	280 m
Ndokoa	Cameroon		4° 22' 00" N 11° 44' 00" E	
Ndola	Zambia		12° 58' 00" S 28° 38' 00" E	1304 m
N'dola	Zimbabwe			
N'Dola, 200 mi [=322 km] S (see Monze)	Zambia		16° 17' 00" S 27° 29' 00" E	1107 m
Ndomo	Congo (Democratic Republic of the)		0° 19' 00" N 29° 20' 00" E	
Ndondo (see also: Dondo)	Angola		9° 40' 00" S 14° 30' 00" E	134 m
Ndoro	Senegal			
Ndote	Congo (Democratic Republic of the)		0° 11' 00" N 29° 39' 00" E	940 m
Ndotwe	Congo (Democratic Republic of the)		0° 12' 00" S 29° 28' 00" E	
Ndrondroni, primary school	Comoro Islands		12° 20' 34" S 43° 40' 56" E	10 m
Ndua (see Ndwa)	Congo (Democratic Republic of the)		2° 09' 00" S 16° 25' 00" E	
N'Dui (see Ntui)	Cameroon		4° 27' 00" N 11° 38' 00" E	558 m
Nduma Game Reserve (see Ndumu Game Reserve), Ingwavuma	South Africa		26° 52' 00" S 32° 15' 00" E	
Ndume cave, 35 km on Mongomo to Nsoc road (see also: Cueva de Ndume, Cueva de Ndumu, Cueva de Ndumun, Mongomo to Nsoc road, km 35, Ndumu cave)	Equatorial Guinea	ca.	1° 18' 20" N 11° 16' 44" E	
Ndumi Game Reserve (see Ndumu Game Reserve), Ingwavuma	South Africa		26° 52' 00" S 32° 15' 00" E	
Ndumo (see also: Ndumu)	South Africa		26° 55' 33" S 31° 15' 06" E	79 m
Ndumo Game Reserve (see Ndumu Game Reserve), Ingwavuma	South Africa		26° 52' 00" S 32° 15' 00" E	
Ndumu (see Ndumo)	South Africa		26° 55' 33" S 31° 15' 06" E	79 m
Ndumu cave (see Ndume cave)	Equatorial Guinea	ca.	1° 18' 20" N 11° 16' 44" E	
Ndumu Game Reserve, Ingwavuma (see also: Nduma Game Reserve, Ndumi Game Reserve, Ndumo Game Reserve)	South Africa		26° 52' 00" S 32° 15' 00" E	
Ndumu Police Station, Ndumu	South Africa		26° 55' 00" S 32° 15' 00" E	
Ndumu store, Ingwavuma	South Africa		26° 55' 00" S 32° 15' 00" E	
Ndundulu Forest (see West Kilombero Scarp Forest Reserve)	Tanzania		7° 55' 00" S 36° 30' 00" E	
Ndwa (see also: Ndua)	Congo (Democratic Republic of the)		2° 09' 00" S 16° 25' 00" E	
NE Angola	Angola			
NE base along the Wei Wei River, Cherangani Mountains	Kenya			
Né, mount, Blukwa (see also: Mount Ne)	Congo (Democratic Republic of the)		1° 42' 00" N 30° 39' 00" E	
Nea river (see Farmington river)	Liberia		6° 09' 32" N 10° 21' 13" W	
near… St	Madagascar		23° 22' 00" S 43° 42' 00" E	

Nebbi district	Uganda			
Nechisar National Park	Ethiopia		5° 56' 24" N 37° 40' 38" E	
Nefza, 6 km W, 25 km E Tabarza, on GP 7 (see also: Tabarza, 25 km E)	Tunisia		36° 57' 16" N 9° 02' 20" E	
Nefzaoua (see Nafzawah)	Tunisia	ca.	33° 30' 00" N 9° 00' 00" E	
Negele (see also: Nagele, Negelie, Negelle, Negelli, Neghelle, Neghelli)	Ethiopia		5° 19' 00" N 39° 35' 00" E	1533 m
Negele, 74 km N (see also: Negelli, 74 km N)	Ethiopia		5° 16' 59" N 40° 12' 00" E	
Negelie (see Negele)	Ethiopia		5° 19' 00" N 39° 35' 00" E	1533 m
Negelle (see Negele)	Ethiopia		5° 19' 00" N 39° 35' 00" E	1533 m
Negelli (see Negele)	Ethiopia		5° 19' 00" N 39° 35' 00" E	1533 m
Negelli, 74 km N (see Negele, 74 km N)	Ethiopia		5° 16' 59" N 40° 12' 00" E	
Neghelle (see Negele)	Ethiopia		5° 19' 00" N 39° 35' 00" E	1533 m
Neghelli (see Negele)	Ethiopia		5° 19' 00" N 39° 35' 00" E	1533 m
Nehali	Gabon			
Neiman's Farm (see also: Ellisras, 10 km NE)	South Africa		23° 37' 59" S 27° 49' 01" E	
Nekate (see also: Nekati)	Botswana		20° 05' 00" S 26° 01' 00" E	914 m
Nekati (see Nekate)	Botswana		20° 05' 00" S 26° 01' 00" E	914 m
Nelson Mandela Metro district	South Africa			
Nelspruit	South Africa		25° 28' 00" S 30° 58' 00" E	676 m
Nelspruit, 19 km SE (see Uitkyk and Paranie Private Nature Reserve)	South Africa		25° 36' 00" S 31° 06' 00" E	
Nelspruit, 20 km W (see Mayo)	South Africa		25° 22' 12" S 30° 44' 24" E	1015 m
Nelspruit, 32 km NW	South Africa		25° 30' 00" S 31° 00' 00" E	
Nelspruit, 4 mi [=6.4 km] E, 2 mi [=3.2 km] S	South Africa		25° 29' 00" S 30° 59' 00" E	
Nelspruit, 40 km W (see Sudwala Mines)	South Africa		25° 23' 24" S 30° 40' 48" E	902 m
Nelspruit, near	South Africa		25° 28' 00" S 30° 59' 00" E	
Nemeyong (see Néméyong I)	Cameroon		3° 19' 00" N 12° 55' 00" E	642 m
Néméyong I (see also: Nemeyong)	Cameroon		3° 19' 00" N 12° 55' 00" E	642 m
Neno district	Malawi			
Nepoko Bomili	Congo (Democratic Republic of the)		1° 40' 00" N 27° 01' 00" E	
Netonna, near Banana and mouth of Congo river	Congo (Democratic Republic of the)		5° 58' 00" S 12° 27' 00" E	
Netridge Farm, Calcite Cave	Zimbabwe		20° 08' 00" S 30° 47' 00" E	
Neuhof-Kowas Farm, near Windhoek	Namibia		22° 34' 00" S 17° 06' 00" E	
New Agatha (see New Agatha State Forest), 10 km SE Haenertsburg	South Africa		24° 02' 00" S 30° 05' 00" E	
New Agatha Forest Reserve (see New Agatha State Forest), 10 km SE Haenertsburg	South Africa		24° 02' 00" S 30° 05' 00" E	
New Agatha State Forest, 10 km SE Haenertsburg (see also: Haenertsburg, 10 km SE, New Agatha, New Agatha Forest Reserve)	South Africa		24° 02' 00" S 30° 05' 00" E	
New Belgium, Farm 608 (see Farm New Belgium 608), 65 km N Vaalwater	South Africa		23° 53' 00" S 28° 08' 00" E	
New Beni (see Beni)	Congo (Democratic Republic of the)		0° 30' 00" N 29° 28' 00" E	1238 m
New Camp Forest	Liberia		7° 28' 52" N 8° 34' 33" W	483 m
New Castle (see Newcastle)	South Africa		27° 45' 29" S 29° 55' 54" E	1276 m
New Dabaga/Ulangambi Forest Reserve	Tanzania		8° 04' 00" S 35° 55' 00" E	1930 m
New Dam	Namibia		22° 34' 00" S 17° 06' 00" E	
New Edubiase, 15 mi S [=24 km] Edubiase (see also: Edubiase, 15 mi [=24 km] S)	Ghana		6° 04' 00" N 1° 24' 00" W	152 m
New Edubiase, 15 mi [=24 km] S	Ghana	ca.	6° 04' 00" N 1° 24' 00" W	
New Figtree camp	South Africa		22° 25' 00" S 31° 11' 00" E	
New Figtree forest	South Africa		22° 25' 00" S 31° 18' 00" E	
New Frontier district	Kenya		0° 34' 00" N 37° 35' 00" E	
New Germany	South Africa		29° 46' 57" S 30° 52' 20" E	697 m
New Hanover school	South Africa		29° 21' 00" S 30° 32' 00" E	717 m
New Kijabe (see Kijabe Station)	Kenya		0° 55' 00" S 36° 35' 00" E	
New Mucelneuck, Pretoria	South Africa		25° 43' 48" S 28° 10' 48" E	
New Mucklenuek, 351 Rey Street	South Africa		25° 41' 12" S 28° 11' 56" E	1274 m
New Sawâkin (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
New Shagunnu	Nigeria		10° 20' 00" N 4° 28' 00" E	77 m
New Yekepa (see also: Lamco, Lamco Community, Yekepa)	Liberia		7° 34' 46" N 8° 32' 16" W	584 m
Newala	Tanzania		10° 56' 00" S 39° 18' 00" E	620 m
Newcastle (see also: New Castle)	South Africa		27° 45' 29" S 29° 55' 54" E	1276 m
Newcastle, 10 mi [=16 km] S (see Gardenia)	South Africa	ca.	27° 53' 36" S 29° 57' 58" E	
Newcastle, 10 mi S	South Africa	ca.	27° 51' 31" S 29° 57' 05" E	

Newcastle, 30 km S (see Chelmsford Nature Reserve)	South Africa		27° 57' 54" S 29° 55' 18" E	1253 m
Newington	South Africa		24° 49' 00" S 31° 17' 00" E	487 m
Newington, 11 km N	South Africa		24° 48' 00" S 31° 17' 00" E	
Newington, 16 km N (see Farm Othawo 242)	South Africa		24° 45' 00" S 31° 26' 00" E	
Newington, 3 mi [=4.8 km] WNW	South Africa	ca.	24° 46' 34" S 31° 14' 57" E	
Newington, 7 mi [=11.3 km] N	South Africa		24° 45' 00" S 31° 25' 00" E	
Newinngton, 11 km N (see Acornhoek)	South Africa		24° 35' 00" S 31° 05' 00" E	594 m
Newlands West	South Africa		29° 47' 16" S 30° 57' 29" E	
Newton	Sierra Leone		8° 20' 19" N 13° 00' 17" W	48 m
Newton Park, Port Elizabeth	South Africa		33° 57' 00" S 25° 34' 00" E	107 m
Nfaman (see Mfaman)	Equatorial Guinea		1° 54' 55" N 10° 13' 56" E	358 m
NFD, Isiolo	Kenya			
Ngaaouyanga (see Ngaouyanga)	Cameroon		7° 54' 00" N 13° 36' 00" E	610 m
N'Gabi	Congo		3° 12' 53" S 16° 10' 25" E	151 m
Ngaka Modiri Molema district (see also: Central district)	South Africa			
Ngam, 6? km NNW Sangmélima	Cameroon		2° 47' 00" N 11° 54' 00" E	592 m
Ngamaye	Congo (Democratic Republic of the)		0° 44' 00" N 29° 38' 00" E	815 m
Ngambaula Forest Reserve	Tanzania		6° 59' 00" S 37° 44' 00" E	
Ngambo, Mole river	Kenya		0° 30' 00" N 36° 04' 00" E	1036 m
Ngami, lake	Botswana		20° 30' 00" S 22° 40' 00" E	
Ngamiland district (see also: Northeast Bechuanaland)	Botswana			
Ngamo Pan (see Ngamo Pans)	Zimbabwe		19° 08' 00" S 27° 27' 00" E	
Ngamo Pans (see also: Gamu, Ngamo Pan)	Zimbabwe		19° 08' 00" S 27° 27' 00" E	
Nganda, E slope of mount	Malawi		10° 27' 00" S 33° 52' 00" E	2300 m
Ngangala, 20 mi [=32 km] N (see also: Njanqala, 20 mi [=32 km] N)	South Sudan		4° 40' 00" N 31° 55' 00" E	
Ngangao forest, 4.25 km N, 1.75 km W Wundanyi (see also: Wundanyi, 4.25 km N, 1.75 km W)	Kenya		3° 22' 00" S 38° 20' 00" E	
Ngangas Forest, 4.5 km N, 1.75 km W Wundanyi (see also: Ngaugao Forest, Wundanyi, 4.5 km N, 1.75 km W)	Kenya		3° 22' 00" S 38° 21' 00" E	1798 m
Nganza	Congo (Democratic Republic of the)		7° 07' 00" S 29° 26' 00" E	
Nganza river, near Luluabourg	Congo (Democratic Republic of the)	ca.	5° 57' 01" S 22° 21' 40" E	
Ngaoundéré (see also: Ngaundéré)	Cameroon		7° 19' 00" N 13° 35' 00" E	1212 m
Ngaoundéré, 13 km S	Cameroon		7° 12' 00" N 13° 36' 00" E	
Ngaoundéré, 14 km N	Cameroon	ca.	7° 20' 00" N 13° 35' 00" E	
Ngaoundéré, 14 km S	Cameroon		7° 19' 00" N 13° 35' 00" E	
Ngaoundéré, 85 km S	Cameroon			
Ngaouyanga (see also: Gaoyanga, Goyanga, Ngaaouyanga)	Cameroon		7° 54' 00" N 13° 36' 00" E	610 m
Ngaranyiru, Mweiga	Kenya		0° 19' 00" S 36° 54' 00" E	
Ngare Narok River (see Engare Narok River)	Kenya	ca.	1° 12' 48" S 35° 52' 50" E	
Ngare Nyuki, lower	Kenya			
N'Gari, near Kedougou (see also: Ngari)	Senegal	ca.	12° 38' 06" N 12° 14' 52" W	126 m
Ngari (see N'Gari), near Kedougou	Senegal	ca.	12° 38' 06" N 12° 14' 52" W	126 m
Ngaruka (see Engaruka)	Tanzania		2° 59' 00" S 35° 57' 00" E	982 m
Ngasha (see Nyangala Hill), 40 km SE Voi	Kenya		3° 37' 00" S 38° 44' 00" E	
Ngatana	Kenya	ca.	2° 10' 48" S 40° 11' 24" E	
Ngato Ngishu (see Ongata Onkishu)	Kenya		2° 35' 00" S 37° 05' 00" E	
Ngaugao Forest (see Ngangas Forest)	Kenya		3° 22' 00" S 38° 21' 00" E	1798 m
Ngaundéré (see Ngaoundéré)	Cameroon		7° 19' 00" N 13° 35' 00" E	1212 m
Ngayu [river], near Avakubi (see also: Gayu [river])	Congo (Democratic Republic of the)		1° 35' 00" N 27° 13' 00" E	
N'Gayu area	Congo (Democratic Republic of the)	ca.	1° 35' 00" N 27° 13' 00" E	
Ngazidja Island (see also: Grand Comoro Island |PC:GC|, Grande Comore |PC:GC|, Grande Comore Island |PC:GC|)	Comoro Islands		11° 41' 26" S 43° 19' 19" E	
Ngcoseni Primary	Swaziland		26° 46' 00" S 31° 04' 00" E	
Ngelehek, Serengeti	Tanzania	ca.	3° 00' 00" S 35° 00' 00" E	
Ng'enyi	Kenya		2° 10' 00" N 36° 48' 00" E	
Ngerere Lepi	Congo (Democratic Republic of the)		0° 39' 00" N 29° 53' 00" E	1200 m
Ngeze Kidoko	Congo (Democratic Republic of the)		1° 16' 00" N 30° 25' 00" E	650 m
Ngezi Forest	Tanzania		4° 56' 00" S 39° 42' 00" E	
Ngia	Cameroon			

Ngilima, Wologizi Mountain Range	Liberia		8° 05' 12" N 10° 07' 36" W	433 m
Ngioni (see Bunia)	Congo (Democratic Republic of the)		1° 34' 00" N 30° 15' 00" E	1332 m
Ngirivana cave (see Girivana cave)	South Africa		24° 21' 26" S 31° 41' 26" E	
Ngiro, 10 km E Morr (see also: En Doinyo Ngiro, En Doinyo Nyiro, Mount Nyiro, Mount Nyiru, Ngiro, En Doinyo, Nyiro, En Doinyo, Nyiru, mount, Udongerio)	Kenya		1° 44' 00" N 36° 09' 00" E	
Ngiro, En Doinyo (see Ngiro), 10 km E Morr	Kenya		1° 44' 00" N 36° 09' 00" E	
Ngiverone Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E (see Kriel Farm)	Zambia	ca.	15° 19' 11" S 28° 19' 55" E	
Ngobé, Lagoon (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Ngobi forest, Nairobi (Nakuru road)	Kenya	ca.	0° 45' 00" S 36° 30' 00" E	
Ngobilo	Cameroon		4° 20' 00" N 10° 37' 00" E	218 m
Ngodwena	South Africa		25° 37' 00" S 30° 37' 00" E	
Ngogo	Uganda		0° 30' 22" N 30° 25' 34" E	
Ngohalima, 15 mi S Wau; on Busseri river (see also: Wau, 15 mi [=24 km] S)	South Sudan		7° 28' 00" N 28° 00' 00" E	
Ngohé (see Ngoyé)	Senegal		14° 37' 00" N 16° 18' 00" W	
Ngokai	Congo (Democratic Republic of the)		0° 19' 00" N 29° 45' 00" E	
Ngoma	Zambia		15° 52' 35" S 25° 59' 21" E	1020 m
Ngoma (see also: N'goma)	Congo (Democratic Republic of the)		0° 20' 00" N 28° 44' 00" E	905 m
Ngoma (see Goma)	Congo (Democratic Republic of the)		1° 40' 45" S 29° 13' 22" E	1499 m
N'goma (see Ngoma)	Congo (Democratic Republic of the)		0° 20' 00" N 28° 44' 00" E	905 m
Ngombe (see also: Gombe, N'gombe)	Congo (Democratic Republic of the)		6° 35' 00" S 20° 42' 00" E	528 m
N'gombe (see Ngombe)	Congo (Democratic Republic of the)		6° 35' 00" S 20° 42' 00" E	528 m
Ngombeni	Tanzania	ca.	7° 57' 15" S 39° 39' 32" E	50 ft
Ngombeni (see Ngombeni location), 10 km S Mombasa	Kenya		4° 07' 49" S 39° 36' 51" E	31 m
Ngombeni caves (see Ngombeni location), 11 km S Mombasa	Kenya		4° 07' 49" S 39° 36' 51" E	31 m
Ngombeni location (see also: Mombasa, 10 km S, Mombasa, 11 km S, Ngombeni, Ngombeni caves, Ngomheni, Similani caves)	Kenya		4° 07' 49" S 39° 36' 51" E	31 m
Ngome Forest Reserve, 70 km NE Ngome (see also: Ngome, 70 km NE , Ngome-Bosreserwe, Ngomi Forest Reserve, Vrijheid, 70 km NE)	South Africa		27° 52' 00" S 31° 24' 45" E	
Ngome Police Station	South Africa		27° 50' 00" S 31° 25' 00" E	
Ngome, 70 km NE (see Ngome Forest Reserve)	South Africa		27° 52' 00" S 31° 24' 45" E	
Ngome-Bosreserwe (see Ngome Forest Reserve), 70 km NE Ngome	South Africa		27° 52' 00" S 31° 24' 45" E	
Ngomeni	Kenya		3° 00' 12" S 40° 11' 28" E	1 m
Ngomeni, N of Kitui	Kenya		1° 22' 00" S 38° 01' 00" E	
Ngome's (see Ngoumé)	Cameroon		5° 29' 00" N 11° 24' 00" E	681 m
Ngomheni (see Ngombeni location), 10 km S Mombasa	Kenya		4° 07' 49" S 39° 36' 51" E	31 m
Ngomi Forest Reserve (see Ngome Forest Reserve), 70 km NE Ngome	South Africa		27° 52' 00" S 31° 24' 45" E	
N'Gomo (see also: Ngomo)	Gabon		0° 49' 00" S 9° 57' 00" E	0 m
Ngomo (see N'Gomo)	Gabon		0° 49' 00" S 9° 57' 00" E	0 m
Ngomo River (see Río Ngomo)	Equatorial Guinea	ca.	2° 04' 03" N 9° 58' 26" E	
Ngondoma (see also: Mabura 1 Cave)	Zimbabwe		18° 28' 00" S 29° 03' 00" E	
Ngong, near Nairobi (see also: Ngong Forest)	Kenya		1° 22' 00" S 36° 39' 00" E	1829 m
Ngong Forest (see Ngong), near Nairobi	Kenya		1° 22' 00" S 36° 39' 00" E	1829 m
Ngong Hills (see also: Keambiroiro, Kiambiruiru, Lollaisihr, Ol Doinyo, Lollaisir, Ol Doinyo, Ol Doinyo Lollaisihr, Ol Doinyo Lollaisir, Ol Doinyo Ololemoya, Ololemoya, Ol Doinyo)	Kenya		1° 24' 00" S 36° 38' 00" E	
Ngongargare Forest (see Arusha National Park)	Tanzania		3° 15' 00" S 36° 45' 00" E	
Ngongera (see also: Ngongera, Pope Pius X Seminary)	Uganda		0° 46' 00" N 34° 02' 00" E	1071 m
Ngongera (see Ngongera)	Uganda		0° 46' 00" N 34° 02' 00" E	1071 m
Ngongera, Bukedi, Pope Pius X Seminary, 22 km [=12 mi.] W Tororo (see also: Tororo, 22 km [=12 mi.] W)	Uganda		0° 46' 33" N 34° 01' 00" E	
Ngonini estates	Swaziland		25° 48' 00" S 31° 24' 32" E	421 m

Ngop, 30 mi [=48 km] SE Yirol (see also: Yirol, 30 mi [=48 km] SE)	South Sudan		6° 15' 51" N 30° 11' 35" E	
Ngora	Uganda		2° 03' 00" N 34° 38' 00" E	
Ngora district	Uganda			
Ngore Ngore	Kenya		1° 02' 00" S 35° 30' 00" E	1982 m
Ngorima Reserve (see Ngorima Tribal Trust Land), Melsetter district, Manicaland	Zimbabwe		20° 05' 00" S 32° 53' 00" E	
Ngorima Tribal Trust Land, Melsetter district, Manicaland (see also: Ingorima Reserve, Ngorima Reserve)	Zimbabwe		20° 05' 00" S 32° 53' 00" E	
Ngoroine (see also: Nguruimi)	Tanzania			
Ngorongoro [crater]	Tanzania		3° 10' 00" S 35° 35' 00" E	
Ngosulugu, 2 mi [=3.2 km] S Wau	South Sudan		7° 40' 15" N 28° 00' 00" E	
Ngoto Swamp	Uganda		0° 52' 52" S 29° 43' 52" E	1500 m
Ngotto forest	Central African Republic		3° 55' 00" N 17° 03' 00" E	
Ngoumé (see also: Bukamba, Ngome's)	Cameroon		5° 29' 00" N 11° 24' 00" E	681 m
Ngounié province	Gabon			
N'Gove, Lagoon (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
N'Gové, lake (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Ngovi, lake (see Anguanamo)	Gabon	ca.	1° 55' 08" S 9° 27' 21" E	
Ngoyé (see also: Ngohé, N'Goyé)	Senegal		14° 37' 00" N 16° 18' 00" W	
N'Goyé (see Ngoyé)	Senegal		14° 37' 00" N 16° 18' 00" W	
Ngoye hills, Umgoye forest	South Africa		28° 50' 00" S 31° 40' 00" E	
Ngozi Crater	Tanzania		8° 59' 59" S 23° 33' 43" E	
Ngozi province	Burundi			
Ngqeleni	South Africa		31° 40' 00" S 29° 02' 00" E	571 m
Ngqeleni District, W Pondoland	South Africa		30° 40' 00" S 29° 02' 00" E	
Ngubevu Mine, Msinga (see also: Nqubevu mine)	South Africa		28° 44' 00" S 30° 36' 00" E	
Nguelensok cascade, near, Poblado Ayebe. Akurenam (see also: Cascada Nguelensok, near)	Equatorial Guinea			
Nguerengou River	Central African Republic		6° 32' 36" N 22° 38' 30" E	
Nguhbu Picnic	South Africa		27° 31' 00" S 31° 22' 00" E	
Nguilili	Cameroon		2° 07' 00" N 15° 20' 00" E	
Ngula	Congo (Democratic Republic of the)		4° 45' 00" S 18° 11' 00" E	549 m
Nguru Mountains	Tanzania		6° 00' 00" S 37° 30' 00" E	
Nguru North Forest Reserve, approx 6 km S, 2.5 km E Gombero (see also: Gombero, ca 6 km S, 2.5 km E)	Tanzania		5° 28' 45" S 37° 27' 51" E	
Nguru South Forest Reserve, 6 km N, 6 km W Mhonda (see also: Mhonda, 6 km N, 6 km W)	Tanzania		6° 03' 50" S 37° 31' 25" E	1500 m
Nguruimi (see Ngoroine)	Tanzania			
Nguruman Escarpment, Uaso River Bridge, 1.6 km N	Kenya		1° 45' 00" S 36° 02' 00" E	610 m
Ngutu (see Nqutu)	South Africa		28° 12' 44" S 30° 40' 31" E	1336 m
Ngwanedzi Camp (see Nwanedzi Camp)	South Africa		24° 27' 00" S 31° 58' 00" E	
Ngwazi Estate, Uzungwa Mountains	Tanzania		8° 31' 55" S 35° 10' 35" E	
Ngwenya (see also: Byrhtes)	Swaziland		26° 10' 00" S 31° 03' 00" E	
Ngwenya, Komatipoort	South Africa		25° 22' 12" S 31° 51' 36" E	
Ngwenya [=Byrhtes]	Swaziland		26° 10' 00" S 31° 03' 00" E	
Ngwenya Lodge, 11 km NW Komatipoort	South Africa		25° 22' 37" S 31° 51' 32" E	
Ngwerere cave, 10 km NW Lusaka (see also: Lusaka, 10 km NW)	Zambia		15° 19' 00" S 28° 19' 00" E	1280 m
Ngwerere Siding	Zambia		15° 19' 00" S 28° 19' 00" E	
Ngwerere Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E (see Kriel Farm)	Zambia	ca.	15° 19' 11" S 28° 19' 55" E	
Ngwerere Siding, near	Zambia	ca.	15° 19' 12" S 28° 19' 12" E	
Ngweshla	Zimbabwe		19° 05' 00" S 27° 05' 00" E	
Ngweze	Namibia		17° 29' 00" S 24° 15' 00" E	
Ngwiro	Congo (Democratic Republic of the)		0° 43' 00" S 29° 26' 00" E	
Ngxwala Hill	South Africa		27° 34' 00" S 32° 05' 00" E	
Nhamatanda (see also: Vila Macahdo, Vila Machado, Vila Mahado)	Mozambique		19° 16' 09" S 34° 12' 46" E	64 m
Nhamatanda, 3 km SE (see also: Vila Machado, 3 km SE)	Mozambique		19° 16' 59" S 34° 16' 59" E	
Nhlage Lake (see Kosi Lake)	South Africa		26° 58' 00" S 32° 50' 00" E	
Nhlanganindam (see Nhlanganini dam), 11 km SW Letaba	South Africa		23° 55' 18" S 31° 31' 05" E	

Nhlanganini dam, 11 km SW Letaba (see also: Hlanganini dam, Letaba, 11 km SW, Nhlanganindam)	South Africa		23° 55' 18" S 31° 31' 05" E	
Nhlange, Lake (see Kosi Lake)	South Africa		26° 58' 00" S 32° 50' 00" E	
Nhlonhela pan	South Africa		27° 46' 48" S 32° 12' 00" E	
Niabikere (see Nyabikere)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 27' 00" E	1160 m
Niabiondo (see Nyabiondo)	Congo (Democratic Republic of the)		1° 15' 00" S 28° 45' 00" E	1297 m
Niakarama Kaha (see Niakaramandougou)	Côte d'Ivoire		8° 40' 00" N 5° 17' 00" W	303 m
Niakaramadougou (see Niakaramandougou)	Côte d'Ivoire		8° 40' 00" N 5° 17' 00" W	303 m
Niakaramandougou (see also: Niakarama Kaha, Niakaramadougou, Niankaramadugu, Niankaramandougou)	Côte d'Ivoire		8° 40' 00" N 5° 17' 00" W	303 m
Niambasha	Congo (Democratic Republic of the)		2° 07' 00" S 28° 54' 00" E	
Niamey	Niger		13° 31' 00" N 2° 07' 00" E	207 m
Niamey region	Niger			
Niamey, 12.9 km W	Niger	ca.	13° 30' 50" N 1° 59' 53" E	
Niamey, 25 km S	Niger	ca.	13° 21' 18" N 2° 08' 03" E	
Niamey, 8 km W	Niger	ca.	13° 30' 45" N 2° 01' 45" E	
Niam-Niam	Congo (Democratic Republic of the)		5° 03' 00" N 27° 07' 00" E	
Niamtougou (see also: Niamtuu, Njamtuu, Nyamtouhou)	Togo		9° 46' 06" N 1° 06' 19" E	378 m
Niamtougou, circonscription de (see Préfecture de Doufelgou)	Togo		9° 50' 00" N 1° 05' 00" E	
Niamtuu (see Niamtougou)	Togo		9° 46' 06" N 1° 06' 19" E	378 m
Niangara	Congo (Democratic Republic of the)		3° 42' 00" N 27° 52' 00" E	644 m
Niangara zone	Congo (Democratic Republic of the)	ca.	3° 42' 00" N 27° 52' 00" E	
Niangné (Nianié) cave (see also: Grotte de Niangné (Nianié))	Senegal			
Niankaramadugu (see Niakaramandougou)	Côte d'Ivoire		8° 40' 00" N 5° 17' 00" W	303 m
Niankaramandougou (see Niakaramandougou)	Côte d'Ivoire		8° 40' 00" N 5° 17' 00" W	303 m
Niapu	Congo (Democratic Republic of the)		2° 25' 00" N 26° 28' 00" E	619 m
Niarembe (see also: Niarombe)	Congo (Democratic Republic of the)		2° 15' 00" N 31° 07' 00" E	1382 m
Niari departement	Congo			
Niarombe (see Niarembe)	Congo (Democratic Republic of the)		2° 15' 00" N 31° 07' 00" E	1382 m
Niary or Niasy cave	Niary or Niasy cave			
Niassa Game Reserve, 23 km S Kiboko (see also: Kiboko, 23 km S)	Mozambique		12° 37' 27" S 37° 39' 23" E	
Niassa Game Reserve, S of	Mozambique		12° 52' 08" S 37° 41' 31" E	
Niassa province	Mozambique			
Niayok, near Paloich	South Sudan		10° 07' 35" N 32° 18' 03" E	367 m
Nibela Peninsula	South Africa		27° 56' 00" S 32° 26' 00" E	
Nico Smith, Farm (see Farm Nico Smith), 20 mi [=32 km] W Port Elisabeth	South Africa		33° 59' 12" S 25° 17' 48" E	
Nicorel, Farm 343 (see Farm Nicorel 343), 18 km N Steilloop(burg)	South Africa		23° 15' 36" S 28° 36' 36" E	
Niébé (see also: Niebe)	Côte d'Ivoire		5° 22' 00" N 7° 18' 00" W	132 m
Niebe (see Niébé)	Côte d'Ivoire		5° 22' 00" N 7° 18' 00" W	132 m
Niefang - Evinayong, cave near	Equatorial Guinea	ca.	1° 43' 00" N 10° 11' 00" E	
Niefang (see Sevilla de Niefang)	Equatorial Guinea		1° 50' 36" N 10° 13' 59" E	
Niefang to Evinayong road	Equatorial Guinea			
Niefang to Evinayong road, km 40	Equatorial Guinea	ca.	1° 34' 22" N 10° 22' 44" E	
Niefang, 5 km from	Equatorial Guinea	ca.	1° 50' 36" N 10° 13' 59" E	
Niefang, Forestry Service (see Sevilla de Niefang), Benito River	Equatorial Guinea		1° 50' 36" N 10° 13' 59" E	
Nieki-Ko	Senegal		13° 11' 00" N 13° 21' 00" W	
Nieri river	Nieri river			
Niériko	Senegal		13° 21' 00" N 13° 21' 00" W	
Niériko bridge	Senegal		13° 21' 00" N 13° 21' 00" W	
Niete	Tanzania			
Niger	Niger			
Niger river, lower	Nigeria			
Niger state	Nigeria			
Nigeria	Nigeria			
Nikki	Benin		9° 56' 00" N 3° 13' 00" E	423 m
Nikrowa Forest Reserve	Nigeria			
Nile	Egypt			

Nile river	Nile river			
NilePC:RN|)	Sudan			
Nile Valley south of Assuan	"Egypt or Sudan"		24° 05' 00" N 32° 56' 00" E	
Nile, upper	Sudan			
Nilo Forest Reserve	Tanzania		4° 54' 16" S 38° 39' 45" E	800 m
Nim tree Forest	Niger	ca.	13° 31' 00" N 2° 07' 00" E	
Nimba (see Grassfield)	Liberia		7° 29' 20" N 8° 34' 15" W	530 m
Nimba county	Liberia			
Nimba East	Liberia	ca.	7° 30' 00" N 8° 28' 00" W	
Nimba West (see also: Mount Nimba West)	Liberia	ca.	7° 29' 00" N 8° 33' 00" W	
Nimba, Mount (see also: Mont Nimba, Mount Nimba)	Côte d'Ivoire	ca.	7° 35' 00" N 8° 25' 00" W	
Nimba, mount (see also: Manimba, mount, Mount Nimba, Nanimba , mount)	Liberia	ca.	7° 30' 00" N 8° 30' 00" W	
Nimba, mount (see also: Molard, Mont Richard-Molard, Mount Nimba, Mount Richard-Molard, Richard, mont, Richard-Molard, mount)	Guinea		7° 37' 00" N 8° 25' 00" W	
Nimule	South Sudan		3° 36' 00" N 32° 03' 00" E	1219 m
Nimule, 1 mi [=1.6 km] N (see Fula Rapids)	South Sudan		3° 36' 38" N 32° 01' 17" E	
Nimule, 20 mi [=32 km] N (see Loa)	South Sudan		3° 48' 00" N 31° 57' 00" E	785 m
Nimule, 30 mi [=48 km] N (see Kerripi)	South Sudan		3° 55' 00" N 31° 55' 00" E	820 m
Nimule, 30 mi [=48 km] N (see Shukoli)	South Sudan		6° 55' 00" N 31° 46' 00" E	601 m
Nimule, near	Uganda		3° 35' 00" N 32° 03' 00" E	
Nindam farm	Nigeria		9° 36' 00" N 8° 23' 00" E	860 m
Nindam Forest Reserve	Nigeria		9° 28' 00" N 8° 19' 00" E	
Nioka	Congo (Democratic Republic of the)		2° 10' 00" N 30° 39' 00" E	1793 m
Niokolo	Senegal		13° 04' 00" N 12° 43' 00" W	
Niokolo Koba national park (see also: Niokolo-Koba, parc national, Parc Nationale du Niokolo-Koba, Réserve de Chasse du Niokolo Coba)	Senegal		13° 00' 28" N 12° 54' 53" W	
Niokolo-Koba, parc national (see Niokolo Koba national park)	Senegal		13° 00' 28" N 12° 54' 53" W	
Niomachoi (see Nioumachoua), primary school	Comoro Islands		12° 21' 41" S 43° 42' 55" E	0 m
Nionga, on Lake Upemba	Congo (Democratic Republic of the)		8° 35' 00" S 26° 18' 00" E	
Niono	Mali		14° 15' 09" N 5° 59' 35" W	263 m
Nioumachoi (see Nioumachoua), primary school	Comoro Islands		12° 21' 41" S 43° 42' 55" E	0 m
Nioumachoua, primary school (see also: Niomachoi, Nioumachoi, Nioumgchoi, Numa Choa)	Comoro Islands		12° 21' 41" S 43° 42' 55" E	0 m
Nioumbadjou cave (see also: Grotte de Nioumbadjou, Grotte de Niumbadju, Grotte de Niumbaju, Grotte de Tohbugodunda, Niumbadju cave, Niumbaju cave, Tohbugodunda cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Nioumgchoi (see Nioumachoua), primary school	Comoro Islands		12° 21' 41" S 43° 42' 55" E	0 m
Nioumouya Forest (see also: Nioumouya River)	Guinea		7° 39' 36" N 8° 22' 48" W	
Nioumouya River (see Nioumouya Forest)	Guinea		7° 39' 36" N 8° 22' 48" W	
Niragongo volcano (see Nyirogongo volcano)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Nirkenyi, Jebel (see Lado)	South Sudan		5° 06' 12" N 31° 35' 05" E	
Nitani	Botswana			
Nitcheu (see Ntcheu), district HQ	Malawi		14° 49' 00" S 34° 38' 00" E	1081 m
Niumbadju cave (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Niumbaju cave (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Njala (see also: Njale)	Sierra Leone		8° 07' 04" N 12° 05' 04" W	67 m
Njala Taja River	Sierra Leone		8° 06' 00" N 12° 04' 00" W	
Njale (see Njala)	Sierra Leone		8° 07' 04" N 12° 05' 04" W	67 m
Njamtuu (see Niamtougou)	Togo		9° 46' 06" N 1° 06' 19" E	378 m
Njanqala, 20 mi [=32 km] N (see Ngangala, 20 mi [=32 km] N)	South Sudan		4° 40' 00" N 31° 55' 00" E	
Njerowa Gorge, near lake Naivasha	Kenya		0° 54' 00" S 36° 19' 00" E	
Njia (or Ngia)	Central African Republic			
Njia, SW, Gore and Nana Barya Rivers	Cameroon	ca.	7° 07' 00" N 12° 50' 00" E	
Njombe region	Tanzania			
Njombe, 30 mi [=48 km] S (see Mdandu Forest)	Tanzania		9° 50' 00" S 34° 47' 00" E	
Njombo River, 67 km W Ayos (see also: Ayos, 67 km W)	Cameroon		3° 39' 00" N 11° 58' 00" E	ca. 457 m

Njoro, Nakuru	Kenya		0° 19' 00" N 36° 06' 00" E	2286 m
Njoro river, 3 km S, 3 km W Nakuru (see also: Nakuru, 3 km S, 3 km W)	Kenya		0° 19' 00" S 36° 03' 00" E	
Njoro river (2) (see Mau Forest), 20 mi [=32 km] W Nakuru	Kenya	ca.	0° 36' 45" S 35° 44' 24" E	2286 m
Njoro, 3 mi [=4.8 km] W	Kenya		0° 20' 00" S 35° 54' 00" E	2225 m
Nkana-Kitwe (see Kitwe), Mwekera	Zambia		12° 59' 00" S 28° 12' 00" E	1212 m
Nkandla Forest Reserve	South Africa		28° 43' 25" S 31° 07' 40" E	
Nkane-Kitwe (see Kitwe), Mwekera	Zambia		12° 59' 00" S 28° 12' 00" E	1212 m
Nkangala district	South Africa			
N'kata, 35 mi SW Nata (see also: Nata, 35 mi [=56 km] SW, N'kate)	Botswana		20° 15' 00" S 26° 00' 00" E	
Nkata (see Nkhata Bay), Doctors house	Malawi		11° 36' 00" S 34° 18' 00" E	471 m
Nkata Bay (see Nkhata Bay), Doctors house	Malawi		11° 36' 00" S 34° 18' 00" E	471 m
N'kate (see N'kata), 35 mi SW Nata	Botswana		20° 15' 00" S 26° 00' 00" E	
Nkaw Nkaw (see Nkawkaw)	Ghana		6° 33' 00" N 0° 46' 00" W	253 m
Nkawkaw (see also: Nkaw Nkaw, Nkokoo)	Ghana		6° 33' 00" N 0° 46' 00" W	253 m
Nkawkaw, 1 mi [=1.6 km] N	Ghana		6° 33' 00" N 0° 44' 00" W	
Nkawkaw, 3.25 km N, 1.33 km W	Ghana		6° 32' 00" N 0° 44' 00" W	
Nkaya Pan (see also: Nkayapan)	South Africa		24° 31' 56" S 31° 45' 27" E	
Nkayapan (see Nkaya Pan)	South Africa		24° 31' 56" S 31° 45' 27" E	
Nkene	Congo (Democratic Republic of the)		2° 16' 00" S 28° 47' 00" E	
Nkhata Bay, Doctors house (see also: Nkata, Nkata Bay, Nkhota Bay)	Malawi		11° 36' 00" S 34° 18' 00" E	471 m
Nkhata Bay district	Malawi			
Nkhota Bay (see Nkhata Bay)	Malawi		11° 36' 00" S 34° 18' 00" E	471 m
Nkhotakota (see also: Kota Kota, Kota-Kota, Nkhota-Kota)	Malawi		12° 55' 00" S 34° 18' 00" E	471 m
Nkhota-Kota (see Nkhotakota)	Malawi		12° 55' 00" S 34° 18' 00" E	471 m
Nkhotakota district (see also: Kota Kota district |PC:NK|, Mkhotakota district |PC:NK|)	Malawi	ca.	12° 48' 15" S 34° 04' 59" E	
Nkhotakota Game Reserve	Malawi		13° 04' 12" S 33° 55' 48" E	
Nkhotakota GR	Malawi		13° 04' 12" S 33° 55' 48" E	
Nki National Park	Cameroon		2° 28' 50" N 14° 28' 10" E	
Nkidong Valley (see also: Kedong Valley)	Kenya		1° 10' 00" S 36° 30' 00" E	6000 ft
Nkiene	Congo (Democratic Republic of the)		4° 10' 00" S 15° 55' 00" E	
Nkila caves (see N'Kila-N'Tari caves)	Congo		4° 07' 13" N 13° 51' 10" E	
N'Kila-N'Tari caves (see also: Grottes de N'Kila-N'Tari, Kila N'Tari caves, Nkila caves, Nkila-Ntari caves)	Congo		4° 07' 13" N 13° 51' 10" E	
Nkila-Ntari caves (see N'Kila-N'Tari caves)	Congo		4° 07' 13" N 13° 51' 10" E	
Nko (see also: N'ko)	Nigeria		6° 00' 59" N 8° 08' 30" E	103 m
N'ko (see Nko)	Nigeria		6° 00' 59" N 8° 08' 30" E	103 m
Nkoélon village (see Nkoélon-Mvini)	Cameroon		2° 23' 50" N 10° 02' 41" E	
Nkoélon-Mvini (see also: Nkoélon village)	Cameroon		2° 23' 50" N 10° 02' 41" E	
Nkoetyé, 20 km ESE Ebolowa (see also: Ebolowa, 20 km ESE)	Cameroon		2° 52' 00" N 11° 19' 00" E	714 m
Nkokomele, near (see also: Mateanong, 15 km E)	Lesotho	ca.	29° 21' 00" S 29° 13' 00" E	
Nkokoo (see Nkawkaw)	Ghana		6° 33' 00" N 0° 46' 00" W	253 m
Nkolbison (see Nkolbisson)	Cameroon		3° 53' 00" N 11° 27' 00" E	739 m
Nkolbisson (see also: Nkolbison)	Cameroon		3° 53' 00" N 11° 27' 00" E	739 m
Nkolé Koul village (see Nkolékoul)	Cameroon		3° 20' 00" N 12° 53' 00" E	
Nkolékoul (see also: Nkolé Koul village)	Cameroon		3° 20' 00" N 12° 53' 00" E	
Nkolentangan	Equatorial Guinea			
Nkologwe (see Korogwe)	Tanzania		5° 09' 00" S 38° 29' 00" E	301 m
Nkomazi Municipality complex, approx 1.5 km NNW (see Marloth Park)	South Africa		25° 22' 00" S 31° 47' 00" E	210 m
Nkomazi Municipality Park (see Marloth Park)	South Africa		25° 22' 00" S 31° 47' 00" E	210 m
Nkome	Tanzania		2° 52' 00" S 32° 12' 00" E	1135 m
Nkometou	Cameroon		4° 03' 00" N 11° 33' 00" E	613 m
Nkuli Camp	Mozambique		12° 10' 09" S 38° 14' 34" E	
Nkungwe Hill summit, 0.5 km NW (see also: Kunguë Hill summit, 0.5 km NW, Kungwe Hille summit, 0.5 km NW)	Tanzania		6° 06' 16" S 29° 46' 44" E	2100 m
Nkunumbi (see Mkunumbi), near Kitu	Kenya		2° 18' 44" S 40° 42' 04" E	15 m
N'Kuta, Loango	Angola			

Nkwanta, 2 mi [=3.2 km] E (see Odomi)	Ghana		8° 19' 00" N 0° 31' 00" E	324 m
Nkwene High School	Swaziland		26° 52' 00" S 31° 19' 00" E	
No 2 Adit (see Mutare)	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
No, bu?eyrat (see No, lake)	South Sudan		9° 30' 00" N 30° 28' 00" E	
No, lake (see also: Bu?eyrat No, Lake No, Lake No, below, No, bu?eyrat)	South Sudan		9° 30' 00" N 30° 28' 00" E	
Noamania, Kilwa	Tanzania		9° 00' 00" S 39° 30' 00" E	
Noayong, 23 km on Evinayong to Aconibe road (see also: Evinayong to Aconibe road, km 23, Orillas del Miong)	Equatorial Guinea		1° 22' 13" N 10° 42' 00" E	571 m
Nobéré, 1 km S	Burkina Faso		11° 26' 00" N 1° 10' 00" W	
Nobéré, 1.5 km S	Burkina Faso		11° 36' 00" N 1° 18' 00" W	
Nobéré, 11 km S	Burkina Faso	ca.	11° 37' 00" N 1° 18' 00" W	
Nobéré, 12 km S	Burkina Faso	ca.	11° 37' 00" N 1° 18' 00" W	
Nobéré, 2 km S	Burkina Faso		11° 26' 00" N 1° 10' 00" W	
Nobéré, 9 mi [=14.5 km] S	Burkina Faso	ca.	11° 26' 00" N 1° 10' 00" W	
Nocomakak (see Ncomacac)	Equatorial Guinea		2° 12' 11" N 9° 52' 55" E	
Nocong River (see Río Ncong)	Equatorial Guinea	ca.	1° 08' 00" N 11° 15' 00" E	
Nogochene caves, 27 km SW Macovane (see also: Macovane, 27 km SW)	Mozambique	ca.	21° 41' 00" S 34° 52' 00" E	
Nojole, 12 km S	Cameroon			
Nojole, 6 km N	Cameroon			
Nokanen (see Nokaneng)	Botswana		19° 40' 00" S 22° 16' 00" E	957 m
Nokaneng (see also: Nokanen, Nokaning)	Botswana		19° 40' 00" S 22° 16' 00" E	957 m
Nokaneng, 15 mi [=24 km] N	Botswana		19° 25' 00" S 22° 16' 00" E	
Nokaneng, 25 mi [=40 km] NE	Botswana			
Nokaning (see Nokaneng)	Botswana		19° 40' 00" S 22° 16' 00" E	957 m
Nola (see also: Djembe)	Central African Republic		3° 32' 00" N 16° 04' 00" E	442 m
Nola region	Central African Republic	ca.	3° 32' 00" N 16° 04' 00" E	
Non Pareil, Farm 396 (see Warden), Warden	South Africa		27° 51' 00" S 28° 58' 00" E	1643 m
Nongoma	South Africa		27° 54' 00" S 31° 39' 00" E	865 m
Nooitgedacht, Farm (see Farm Nooitgedacht)	South Africa		22° 56' 00" S 29° 58' 00" E	614 m
Nooitgedacht, Farm 508 (see Farm Nooitgedacht 508), 14 km SSE Potchefstroom	South Africa		26° 55' 12" S 27° 10' 12" E	
Nóqui	Angola		5° 52' 30" S 13° 25' 56" E	
Nor department	Côte d'Ivoire			
Nord Kivu province (see also: North Kivu province)	Congo (Democratic Republic of the)			
Nord region	Cameroon			
Nord region	Burkina Faso			
Nord Ubangui province (see also: North Ubangui province)	Congo (Democratic Republic of the)			
Nord-Ouest region	Cameroon			
Norlim mine (see Norlim mine), 16 km SW Taung (see also: Buxton mine, Norlim mine, Taung, 16 km SW)	South Africa		27° 37' 00" S 24° 38' 00" E	1087 m
Norogoro	Kenya			
Norogoro (see Morogoro)	Tanzania		6° 49' 00" S 37° 40' 00" E	510 m
North Bahr-al-Ghazal state (see also: Northern Bahar el Ghazal state |PC:NB|, Shamal Bahr al Ghazal state |PC:NB|)	South Sudan			
North Bank region	The Gambia			
North Beach	South Africa		29° 50' 51" S 31° 02' 09" E	5 m
North Beeton	Liberia	ca.	7° 39' 00" N 8° 38' 00" W	
North Cave, near Luvuvhu river, ca. 2 km W Anthrax Camp (see also: Anthrax Camp, 2 mi W)	South Africa		22° 26' 00" S 31° 11' 00" E	
North Cherangani	Kenya		1° 00' 00" N 35° 14' 00" E	1981 m
North Darfur state (see also: Shamal Darfur state |PC:ND|)	Sudan			
NorPC:BR|)	Somalia			
North Egypt	Egypt			
North Kivu province (see Nord Kivu province)	Congo (Democratic Republic of the)			
North Kordofan state (see also: North Kurdufan state |PC:NK|, Shamal Kurdufan state |PC:NK|)	Sudan			
NorthPC:NK|)	Sudan			
North Loango	Congo (Democratic Republic of the)			
North Luangwa National Park	Zambia		12° 06' 40" S 32° 06' 20" E	
North Male (see Maale Atholhu Uthuruburi)	Maldive Islands		4° 25' 00" N 73° 30' 00" E	
North Male Atoll (see Maale Atholhu Uthuruburi)	Maldive Islands		4° 25' 00" N 73° 30' 00" E	

North Nandi Forest	Kenya		0° 20' 00" N 34° 58' 00" E	ca. 2018 m
North Park Nature Reserve	South Africa		29° 52' 00" S 30° 52' 00" E	209 m
NorthPC:SS|)	Egypt			
North Sumbu Island	Zambia		11° 05' 00" S 29° 45' 00" E	
North Ubangui province (see Nord Ubangui province)	Congo (Democratic Republic of the)			
Northam	South Africa		24° 58' 00" S 27° 16' 00" E	
Northdene	South Africa		29° 52' 00" S 30° 53' 00" E	
Northeast Bechuanaland (see Ngamiland district)	Botswana			
North-East district	Botswana			
North-Eastern (former) province	Kenya			
Northeastern Africa	Northeastern Africa			
Northeastern Gabon	Gabon			
Northeastern Tanzania	Tanzania			
Northern (former) region	Malawi			
Northern Africa	Northern Africa			
NorthPC:NB|)	South Sudan			
Northern Cape province	South Africa			
Northern district	South Sudan			
Northern Free State district (see Fezile district)	South Africa			
Northern Guaso Nyiro, Nyuki [=Nanyuki] river (see also: Northern Nanyuki river, Northern Nyuki river)	Kenya	ca.	0° 06' 00" S 37° 13' 00" E	
Northern Kakamas, Farm (see Farm Northern Kakamas), 20.5 km NW Kakamas	South Africa		28° 39' 00" S 20° 26' 00" E	
Northern Matema	Tanzania		9° 28' 53" S 34° 01' 57" E	
Northern Nanyuki river (see Northern Guaso Nyiro, Nyuki [=Nanyuki] river)	Kenya	ca.	0° 06' 00" S 37° 13' 00" E	
Northern Nyuki river (see Northern Guaso Nyiro, Nyuki [=Nanyuki] river)	Kenya	ca.	0° 06' 00" S 37° 13' 00" E	
Northern prefecture	Rwanda			
Northern province	Sierra Leone			
Northern province	Zambia			
Northern Red Sea (former) province	Eritrea			
Northern region	Uganda			
Northern region	Ghana			
Northern Sewage Works (see Seacow Lake), Durban, Seacow Lake	South Africa		29° 52' 00" S 31° 00' 00" E	
Northern state (see also: Ash Shamaliyah state |PC:NO|)	Sudan			
North-west coast	Madagascar			
North-West district	Botswana			
North-West province	South Africa			
North-Western province	Zambia			
Northwestern Zambia	Zambia			
Norton, 18 mi W	Zimbabwe			
Norture Boror	Mozambique		17° 37' 00" S 36° 52' 00" E	
Norvalspont	South Africa		30° 38' 00" S 25° 27' 00" E	1296 m
Nosi Be island (see Nossi Be island)	Madagascar		13° 20' 00" S 48° 15' 00" E	
Nosibé island (see Nossi Be island)	Madagascar		13° 20' 00" S 48° 15' 00" E	
Nossa Senhora da Luz (see Vila do Maio)	Cape Verde		15° 08' 00" N 23° 13' 00" W	4 m
Nossi Be island (see also: Nosi Be island, Nosibé island, Nosy Be Island)	Madagascar		13° 20' 00" S 48° 15' 00" E	
Nossi Tany Kely (see Nosy Tanikely island)	Madagascar		13° 28' 59" S 48° 14' 12" E	
Nossi-Be (see Nosy Be Island)	Madagascar		13° 20' 00" S 48° 15' 00" E	
Nossob camp (see Kameelsleep)	South Africa		25° 50' 00" S 20° 44' 00" E	
Nossob camp, 31 km WNW (see Bayip)	South Africa		25° 17' 00" S 20° 13' 00" E	
Nossob camp, 4 km S (see Rooikop)	South Africa		25° 27' 00" S 20° 34' 00" E	
Nossob camp, 60 km NW (see Dankbaar Windmill)	South Africa		25° 03' 00" S 20° 08' 00" E	
Nossob, 4 km S (see Rooikop)	South Africa		25° 27' 00" S 20° 34' 00" E	
Nossob, 6 km SE (see Marie se Gat)	South Africa		25° 38' 00" S 20° 38' 00" E	
Nossob, 60 km NW	South Africa		25° 25' 00" S 20° 36' 00" E	
Nosy Be Island (see Nossi Be island) (see also: Nossi-Be)	Madagascar		13° 20' 00" S 48° 15' 00" E	
Nosy Be, Centre ORSTOM	Madagascar	ca.	13° 24' 00" S 48° 16' 00" E	
Nosy Tanikely island (see also: Nossi Tany Kely)	Madagascar		13° 28' 59" S 48° 14' 12" E	
Notsé (see also: Nouatja, Nuatia, Nuatja, Nuatya)	Togo		6° 57' 00" N 1° 10' 00" E	146 m
Notsé, circonscription de (see Préfécture de Haho)	Togo		7° 05' 00" N 1° 15' 00" E	
Nottingham Road (see also: Nottingham weg)	South Africa		29° 21' 00" S 30° 00' 00" E	
Nottingham weg (see Nottingham Road)	South Africa		29° 21' 00" S 30° 00' 00" E	1533 m
Nottinghill Mine	Swaziland		25° 57' 36" S 31° 10' 12" E	
Nouaceur prefecture	Morocco			

Nouakchat (see Nouakchott)	Mauritania		18° 07' 10" N 16° 02' 26" W	0 m
Nouakchot (see Nouakchott)	Mauritania		18° 07' 10" N 16° 02' 26" W	0 m
Nouakchott	Mauritania		18° 07' 10" N 16° 02' 26" W	0 m
(see also: Nouakchat, Nouakchot)				
Nouakchott Nord region	Mauritania			
Nouakchott Ouest region	Mauritania			
Nouakchott Sud region	Mauritania			
Nouatja (see Notsé)	Togo		6° 57' 00" N 1° 10' 00" E	146 m
Nouatja (see Préfécture de Haho)	Togo		7° 05' 00" N 1° 15' 00" E	
Noumbiel province	Burkina Faso			
Nouna, Southwest San and Koudougou	Burkina Faso		12° 44' 00" N 3° 52' 00" W	261 m
Noupoor	South Africa			
Nourse River (see Cunene River)	Namibia	ca.	17° 15' 00" S 11° 45' 00" E	
Nova Lisboa (see Huambo)	Angola		12° 46' 34" S 15° 44' 21" E	1721 m
Nova, Farm 667 (see Farm Nova 667), Ladybrand	South Africa		29° 07' 30" S 27° 22' 30" E	
Nove Mambone	Mozambique		20° 59' 17" S 35° 01' 20" E	10 m
(see also: Mombane)				
Novo Redondo, near (see Sumbe, near)	Angola		11° 22' 48" S 13° 52' 48" E	
Noya river	Equatorial Guinea			
(see also: Beoken Noja)				
Nqubevu mine (see Ngubevu Mine), Tugela	South Africa		28° 44' 00" S 30° 36' 00" E	
Nqutu	South Africa		28° 12' 44" S 30° 40' 31" E	1336 m
(see also: Ngutu)				
Nsadzu	Zambia		14° 04' 00" S 32° 20' 00" E	1040 m
Nsanakang	Cameroon		5° 53' 00" N 8° 59' 00" E	137 m
(see also: Nsankang, Nsannakang)				
Nsanje, District HQ	Malawi		16° 55' 00" S 35° 16' 00" E	14 m
(see also: Chimombi, Port Herald)				
Nsanje district	Malawi			
Nsankang (see Nsanakang)	Cameroon		5° 53' 00" N 8° 59' 00" E	137 m
Nsannakang (see Nsanakang)	Cameroon		5° 53' 00" N 8° 59' 00" E	137 m
Nsara (see Sansanné-Mango)	Togo		10° 21' 33" N 0° 28' 15" E	134 m
Nsefu Game Camp (see Nyika Plateau)	Zambia		12° 57' 00" S 32° 00' 00" E	
Nsefu Game Reserve	Zambia		12° 57' 00" S 32° 00' 00" E	
(see also: Nsefu Game Sactuary)				
Nsefu Game Sactuary (see Nsefu Game Reserve)	Zambia		12° 57' 00" S 32° 00' 00" E	
Nsele (see Kimpoko-Nsele)	Congo (Democratic Republic of the)		4° 14' 04" S 15° 33' 01" E	294 m
Nsemani Windmill	South Africa		24° 23' 36" S 31° 42' 54" E	
Nshamba, near Kanaga, ? Mueka territory	Congo (Democratic Republic of the)		5° 53' 00" S 22° 26' 00" E	
Nshongweni (see Ntshongweni Dam)	South Africa		29° 51' 00" S 30° 42' 36" E	290 m
Nshongweni Dam (see Ntshongweni Dam)	South Africa		29° 51' 00" S 30° 42' 36" E	290 m
Nsiamfumu	Congo (Democratic Republic of the)		5° 52' 00" S 12° 17' 00" E	2 m
(see also: Vista)				
Nsiana	Congo (Democratic Republic of the)			
Nsing, 22 km from Bata	Equatorial Guinea			
(see also: Bata, 22 km from)				
Nsoc (see Nsok)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
Nsok	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
(see also: Ensorc, Nsoc, Nsorc, Nsork, N'Zork)				
Nsoka (see Nsoko)	Swaziland		27° 02' 00" S 31° 57' 00" E	182 m
Nsoko	Swaziland		27° 02' 00" S 31° 57' 00" E	182 m
(see also: Forbes Ranch, Nsoka)				
Nsombo	Zambia		10° 49' 00" S 29° 57' 00" E	1175 m
Nsorc (see Nsok)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
Nsork (see Nsok)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
Nsork to Akum road, km 3 (see Acoaesakira)	Equatorial Guinea		1° 06' 32" N 11° 15' 27" E	511 m
Nsork, 23 km from	Equatorial Guinea	ca.	1° 08' 00" N 11° 16' 00" E	
N'soro	Congo (Democratic Republic of the)		3° 15' 00" N 29° 25' 00" E	
Nsua River (see Río Nsua)	Equatorial Guinea	ca.	2° 08' 10" N 10° 36' 48" E	
Nsuaem (see Oda)	Ghana		5° 55' 00" N 0° 59' 00" W	218 m
Nsuze river	South Africa		28° 53' 00" S 31° 03' 00" E	
(see also: Insusie Valley, Insuzi river)				
Ntambanana [farmstead], Mtonjaneni	South Africa		28° 36' 13" S 31° 44' 32" E	250 m
(see also: Empangeni, 17 km N, 15 km W)				
N'Tamo (see Brazzaville)	Congo		4° 15' 33" S 15° 17' 05" E	155 m
Ntandi	Uganda		0° 48' 00" N 30° 09' 00" E	1106 m
Ntandi, Bwamba Forest	Uganda		0° 48' 00" N 30° 09' 00" E	1106 m
Ntandi, W	Uganda			
Ntango	Rwanda		2° 36' 00" S 29° 13' 00" E	
Ntcheu, district HQ	Malawi		14° 49' 00" S 34° 38' 00" E	1081 m
(see also: Ncheu, Nitcheu)				
Ntcheu district	Malawi			

Ntchisi district	Malawi			
Ntchisi Forest Guesthouse (see Ntchisi Forestry Resthouse)	Malawi		13° 23' 00" S 34° 00' 00" E	1500 m
Ntchisi Forest Reserve (see also: Nchisi Forest Reserve)	Malawi		13° 19' 00" S 34° 03' 00" E	
Ntchisi Forestry Resthouse (see also: Ntchisi Forest Guesthouse)	Malawi		13° 23' 00" S 34° 00' 00" E	1500 m
Ntchisi, mount	Malawi		13° 22' 00" S 34° 01' 00" E	4500 ft
Nteko parish	Uganda	ca.	1° 02' 16" S 29° 36' 00" E	1600 m
Ntem department	Cameroon		2° 45' 00" N 11° 20' 00" E	
Nthane	Botswana		21° 22' 00" S 26° 22' 00" E	
Ntondwe (see Thondwe)	Malawi		15° 30' 00" S 35° 27' 00" E	678 m
Ntondwe Market (see Thondwe)	Malawi		15° 30' 00" S 35° 27' 00" E	678 m
Ntono River (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Ntorako	Uganda		1° 02' 28" N 30° 28' 52" E	548 m
Ntoroko district	Uganda			
Ntoto cave (see also: Grotte de Lukatu, Lukatu cave, Lukatu grot)	Congo (Democratic Republic of the)		6° 59' 00" S 29° 43' 00" E	827 m
Ntronan (see Ntronang)	Ghana		6° 21' 00" N 1° 05' 00" W	165 m
Ntronane (see Ntronang)	Ghana		6° 21' 00" N 1° 05' 00" W	165 m
Ntronang (see also: Ntronan, Ntronane)	Ghana		6° 21' 00" N 1° 05' 00" W	165 m
N'tsangamouhouni (see Mtsangamouthoum)	Comoro Islands		12° 08' 28" S 44° 25' 45" E	252 m
Ntshongweni Dam (see also: Nshongweni, Nshongweni Dam , Shongweni , Shongweni Dam)	South Africa		29° 51' 00" S 30° 42' 36" E	290 m
Ntsizwe mine	South Africa		30° 28' 56" S 29° 09' 57" E	1512 m
Ntswiriri Dam, Tshokwane area (see also: Tswiriri Dam)	South Africa		24° 51' 43" S 31° 37' 38" E	
Ntugu River (see Arroyo Ntugu)	Equatorial Guinea	ca.	1° 27' 01" N 11° 04' 02" E	
Ntui (see also: N'Dui, Ntwi)	Cameroon		4° 27' 00" N 11° 38' 00" E	558 m
Ntui, 11 km N	Cameroon	ca.	4° 27' 00" N 11° 38' 00" E	
Ntui, 5 km N (see Malako River)	Cameroon	ca.	4° 27' 00" N 11° 38' 00" E	
Ntui, 7 km N	Cameroon	ca.	4° 27' 00" N 11° 38' 00" E	
Ntungamo district	Uganda			
Ntwi (see Ntui)	Cameroon		4° 27' 00" N 11° 38' 00" E	558 m
Ntyonga	Gabon	ca.	1° 34' 00" S 9° 15' 00" E	
Nû, 6 km N (see Dakhla Oasis)	Egypt		25° 29' 00" N 28° 59' 00" E	109 m
Nuanetsi Dam (see Nungu Dam)	Zimbabwe	ca.	21° 16' 45" S 30° 36' 48" E	
Nuanetsi Ranch Headquarters	Zimbabwe		21° 30' 01" S 30° 47' 38" E	
Nuanetsi Ranch Headquarters, 1.6 km W	Zimbabwe		21° 30' 01" S 30° 47' 38" E	
Nuanetsi Ranch Headquarters, 18 km W	Zimbabwe		21° 29' 38" S 30° 37' 28" E	
Nuanetsi Ranch Headquarters, 26 km W (see Nungu Dam)	Zimbabwe	ca.	21° 16' 45" S 30° 36' 48" E	
Nuanga Road	Ghana		5° 33' 00" N 0° 15' 00" W	
Nuatia (see Notsé)	Togo		6° 57' 00" N 1° 10' 00" E	146 m
Nuatja (see Notsé)	Togo		6° 57' 00" N 1° 10' 00" E	146 m
Nuatja subdivision (see Préfécture de Haho)	Togo		7° 05' 00" N 1° 15' 00" E	
Nuatja, circonscription de (see Préfécture de Haho)	Togo		7° 05' 00" N 1° 15' 00" E	
Nuatjo (see Préfécture de Haho)	Togo		7° 05' 00" N 1° 15' 00" E	
Nuatya (see Notsé)	Togo		6° 57' 00" N 1° 10' 00" E	146 m
Nuba Mountains	Sudan		10° 36' 00" N 29° 57' 00" E	
Nuba Mountains, N edge (see also: Jibal an Nubah, N edge, Nubah, Jibal an, N edge)	Sudan			
Nubah, Jibal an, N edge (see Nuba Mountains, N edge)	Sudan			
Nubia	Sudan	ca.	20° 00' 00" N 32° 00' 00" E	
Nubian Desert	Sudan		20° 30' 00" N 33° 00' 00" E	
Nugaal region (see also: Nugal region |PC:NU|)	Somalia			
NugalPC:NU|)	Somalia			
NugatPC:NK|)	Libya			
Nuichan (see Nuitsas (farmstead))	Namibia		19° 17' 00" S 18° 35' 00" E	1500 m
Nuitsas (farmstead) (see also: Fockshof, Nuichan, Nuitsas Farm)	Namibia		19° 17' 00" S 18° 35' 00" E	1500 m
Nuitsas Farm (see Nuitsas (farmstead))	Namibia		19° 17' 00" S 18° 35' 00" E	1500 m
Numa Choa (see Nioumachoua), primary school	Comoro Islands		12° 21' 41" S 43° 42' 55" E	0 m
Numan, Gongola	Nigeria		9° 28' 00" N 12° 02' 00" E	152 m
Numkaub	Namibia		18° 36' 00" S 19° 42' 00" E	1250 m
Numulongo (see Namulonge), 24 km N Kampala	Uganda		0° 31' 47" N 32° 36' 09" E	1133 m
Nungoa (see Nungua)	Ghana		5° 36' 00" N 0° 04' 00" W	0 m
Nungu Dam (see also: Nuanetsi Dam, Nuanetsi Ranch Headquarters, 26 km W)	Zimbabwe	ca.	21° 16' 45" S 30° 36' 48" E	

Nungua (see also: Nungoa, Nungwa)	Ghana		5° 36' 00" N 0° 04' 00" W	0 m
Nungwa (see Nungua)	Ghana		5° 36' 00" N 0° 04' 00" W	0 m
Nupeko	Nigeria		8° 57' 30" N 5° 59' 50" E	
Nvom (see Mvom)	Equatorial Guinea		1° 22' 37" N 11° 13' 07" E	553 m
Nvouba river (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Nvuba river, Tributary of Ntem [=Campo] river	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Nvuba River (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
NW Madagascar	Madagascar			
Nwadi	Gabon	ca.	0° 57' 00" N 13° 15' 00" E	
N'Wambiya Pan	South Africa		22° 40' 40" S 31° 22' 10" E	
N'Wambu Windmill	South Africa		23° 22' 10" S 31° 19' 08" E	
Nwanedi, Messina	South Africa		22° 38' 36" S 30° 23' 51" E	
Nwanedsi-ruskamp (see Nwanedzi Camp)	South Africa		24° 27' 00" S 31° 58' 00" E	
Nwanedzi Camp (see also: Esweni Camp, Ngwanedzi Camp, Nwanedsi-ruskamp)	South Africa		24° 27' 00" S 31° 58' 00" E	
Nwanedzi Camp, dam 1 km NWN	South Africa		24° 27' 00" S 31° 58' 00" E	
Nwanedzi River, old bridge over, 8 km E Satara	South Africa		24° 24' 00" S 31° 50' 00" E	
Nwanedzi, 3 km SE	South Africa		24° 28' 00" S 31° 59' 00" E	
Nwanetsi	Zimbabwe			
N'Wanetsi Gorge	South Africa		24° 27' 13" S 31° 58' 54" E	
Nwanetzi, 1 km N	South Africa		24° 27' 00" S 31° 58' 00" E	
Nwaswitshaka [intermittent stream]	South Africa		25° 01' 00" S 31° 34' 00" E	
N'Waswitshaka Experimental Burn Plots	South Africa		25° 04' 48" S 31° 22' 54" E	
Nwoya district	Uganda			
Nyaami	Kenya	ca.	1° 48' 00" S 37° 25' 00" E	
Nyabikere (see also: Myabikere, Niabikere)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 27' 00" E	1160 m
Nyabikwa Kabompo confluence	Zambia		12° 45' 00" S 24° 45' 00" E	
Nyabiondo, near Masisi (see also: Niabiondo)	Congo (Democratic Republic of the)		1° 15' 00" S 28° 45' 00" E	1297 m
Nyabirongo, 40 km from Kasese (see also: Kasese, 40 km from)	Uganda		0° 03' 29" N 29° 57' 11" E	2667 m
Nyabitaba Hut	Uganda		0° 21' 26" N 29° 58' 31" E	8750 ft
Nyabitembe river	Congo (Democratic Republic of the)		1° 13' 00" S 29° 24' 00" E	1225 m
Nyaboa Caves	Mozambique		20° 22' 00" S 33° 37' 00" E	
Nyabyeya Forestry College	Uganda		1° 41' 00" N 31° 32' 00" E	
Nyabyeya Forestry College, 0.5 km SE	Uganda		1° 41' 00" N 31° 32' 00" E	
Nyabyeya Forestry College, N of (see Budongo Forest Royal mile)	Uganda		1° 42' 29" N 31° 32' 21" E	
Nyacon, near Bata	Equatorial Guinea			
Nyadiri River, Mutoko Communal Land	Zimbabwe		17° 04' 00" S 32° 07' 00" E	
Nyadiri River, near bridge	Zimbabwe		17° 08' 00" S 32° 08' 00" E	
Nyafungo Nature Reserve	Uganda		1° 42' 32" N 31° 31' 34" E	
Nyagatarugwa River Valley	Burundi		3° 55' 00" S 29° 35' 00" E	1785 m
Nyakaliba	Congo (Democratic Republic of the)			
Nyakariba river, affluent of Fuko river	Congo (Democratic Republic of the)		1° 13' 00" S 29° 24' 00" E	1325 m
Nyakibanda (see also: Colline Nyakibanda)	Rwanda		2° 38' 00" S 29° 41' 00" E	2067 m
Nyakichozi	Rwanda		1° 23' 00" S 30° 37' 00" E	1250 m
Nyakinama	Rwanda		1° 34' 22" S 29° 38' 30" E	1661 m
Nyala and Main Roads junction	South Africa		22° 25' 00" S 31° 18' 00" E	
Nyala Beach hotel	Kenya		4° 04' 00" S 39° 40' 00" E	
Nyalazi Forest (see Nyalazi Staatsbos)	South Africa		28° 09' 00" S 32° 23' 00" E	
Nyalazi Staatsbos (see also: Nyalazi Forest)	South Africa		28° 09' 00" S 32° 23' 00" E	
Nyama Yango, 38 mi [=61 km] N Isiolo (see also: Isiolo, 38 mi [=61 km] N)	Kenya		0° 54' 11" N 37° 35' 00" E	
Nyamandhlovu (see also: Nyamandholovu)	Zimbabwe		19° 52' 00" S 28° 16' 00" E	1212 m
Nyamandholovu (see Nyamandhlovu)	Zimbabwe		19° 52' 00" S 28° 16' 00" E	1212 m
Nyamaoui Panga (see Panga Chilamouinani), near Fassi, 21.1 km N Moroni	Comoro Islands		11° 24' 26" S 43° 16' 58" E	80 m
Nyamasheke	Rwanda		2° 20' 23" S 29° 05' 08" E	1581 m
Nyamata (see also: Colline Nyamata)	Rwanda		2° 09' 45" S 30° 06' 01" E	
Nyambere (see Nyarusambo)	Congo (Democratic Republic of the)		1° 28' 48" S 29° 21' 00" E	
Nyambiremba (see Nyamirembe)	Tanzania		2° 32' 00" S 31° 42' 00" E	1149 m
Nyambiza Village	Tanzania		6° 12' 00" S 39° 20' 00" E	30 m
Nyamboge	Tanzania		2° 33' 00" S 32° 04' 00" E	1135 m
Nyambumba	Rwanda		1° 42' 00" S 29° 17' 00" E	

Nyamepi Camp (see also: Mana Pools Camp)	Zimbabwe		15° 43' 00" S 29° 22' 00" E	
Nyamindi, 10 mi [=16 km] W Embu (see also: Daraja na Moneu, Embu, 10 mi [=16 km] W)	Kenya		0° 40' 00" S 37° 25' 00" E	1463 m
Nyamira county	Kenya			
Nyamirembe (see also: Namirembe, Nyambiremba, Nyamirembe Port)	Tanzania		2° 32' 00" S 31° 42' 00" E	1149 m
Nyamirembe Port (see Nyamirembe)	Tanzania		2° 32' 00" S 31° 42' 00" E	1149 m
Nyam-Nyam	Central African Republic			
Nyamtouhou (see Niamtougou)	Togo		9° 46' 06" N 1° 06' 19" E	378 m
Nyamugari hill	Burundi		3° 18' 00" S 29° 45' 00" E	2590 m
Nyamuhoro valley, Namakutwa forest reserve, Matumbi Hills	Tanzania			
Nyamunyunye	Congo (Democratic Republic of the)		2° 21' 00" S 28° 49' 00" E	
Nyandarua county	Kenya			
Nyandia Dam, Mutoko Communal Land	Zimbabwe		17° 05' 00" S 32° 08' 00" E	
Nyanga	Tanzania		4° 11' 23" S 30° 06' 19" E	1230 m
Nyanga, on Bugala island, in Lake Victoria	Uganda		0° 40' 00" S 32° 50' 00" E	
Nyanga (see Inyanga)	Zimbabwe		18° 13' 00" S 32° 45' 00" E	1737 m
Nyanga province	Gabon			
Nyangala Hill, 40 km SE Voi (see also: Ngasha, Voi, 40 km SE)	Kenya		3° 37' 00" S 38° 44' 00" E	
Nyangana	Namibia		18° 00' 00" S 20° 41' 00" E	1020 m
Nyangwe (see also: Pene Bwebwe)	Congo (Democratic Republic of the)		4° 13' 00" S 26° 11' 00" E	507 m
Nyankanda, protestant mission	Burundi		3° 17' 25" S 30° 19' 05" E	1553 m
Nyankende	Burundi		3° 55' 00" S 30° 00' 00" E	
Nyankokome	Rwanda			
Nyankunde	Congo (Democratic Republic of the)		1° 34' 00" N 30° 15' 00" E	
Nyansowe stream	Zambia		12° 14' 00" S 25° 34' 00" E	
Nyantue (see Inyantue Siding)	Zimbabwe		18° 33' 00" S 26° 40' 00" E	
Nyanugasani River	Uganda		0° 09' 00" S 29° 49' 00" E	3050 ft
Nyanumi River	Zimbabwe		16° 52' 30" S 28° 37' 30" E	
Nyanyana campsite, Lake Kariba	Zimbabwe		16° 32' 00" S 28° 53' 00" E	
Nyanza	Rwanda		2° 27' 00" S 29° 36' 00" E	
Nyanza (former) province	Kenya	ca.	0° 30' 00" S 34° 30' 00" E	1524 m
Nyanza (see Nyanza-Lac)	Burundi		4° 20' 39" S 29° 35' 37" E	772 m
Nyanza territory	Burundi	ca.	4° 20' 00" S 29° 35' 43" E	
Nyanza-Lac (see also: Nyanza)	Burundi		4° 20' 39" S 29° 35' 37" E	772 m
Nyanza-Lac, 10 km N	Burundi	ca.	4° 20' 08" S 29° 35' 43" E	
Nyarusambo (see also: Nyambere)	Congo (Democratic Republic of the)		1° 28' 48" S 29° 21' 00" E	
Nyarutovu	Rwanda		2° 37' 00" S 29° 36' 00" E	2000 m
Nyasa	Malawi			
Nyasa, lake (see also: Lake Malawi, Lake Nyasa, Malawi, lake)	Malawi		12° 00' 00" S 34° 30' 00" E	1500 m
Nyashato Dam, Ngarwe Communal Land	Zimbabwe		17° 07' 00" S 32° 07' 00" E	
Nyasoso (see Nyassosso)	Cameroon		4° 49' 42" N 9° 40' 55" E	1078 m
Nyassosso (see also: Nyasoso)	Cameroon		4° 49' 42" N 9° 40' 55" E	1078 m
Nyautare (see Mutare)	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
Nyazura (see also: Inyazura, Nyazure)	Zimbabwe		18° 43' 00" S 32° 10' 00" E	1219 m
Nyazure (see Nyazura)	Zimbabwe		18° 43' 00" S 32° 10' 00" E	1219 m
Nydas, Farm (see Farm Cnydas), 12 km NW Lutzput	South Africa		28° 22' 00" S 20° 34' 00" E	
Nyegezi	Tanzania		2° 31' 27" S 32° 53' 25" E	
Nyellele River, Soutpansberg	South Africa		22° 55' 00" S 30° 22' 00" E	
Nyembaro, 12 km W Kolente (see also: Kolente, 12 km W)	Guinea		10° 05' 00" N 12° 30' 00" W	
Nyeri, near Mount Kenya (see also: Nyiri)	Kenya		0° 25' 00" S 36° 57' 00" E	1768 m
Nyeri county	Kenya			
Nyero (see also: Nyiro)	Uganda		1° 29' 00" N 33° 51' 00" E	1113 m
Nyibor, lake	South Sudan		6° 55' 00" N 30° 10' 00" E	
Nyika National Park	Malawi			
Nyika Plateau (see also: Nsefu Game Camp)	Zambia		10° 38' 00" S 33° 15' 00" E	
Nyika-Jallawe valley	Malawi			

Nyimba and Chipata, between (see also: Nyimba and Fort Jameson, between)	Zambia		14° 00' 00" S 32° 00' 00" E	
Nyimba and Fort Jameson, between (see Nyimba and Chipata, between)	Zambia		14° 00' 00" S 32° 00' 00" E	
Nyiragongo volcano (see Nyirogongo volcano)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Nyiri (see Nyeri)	Kenya		0° 25' 00" S 36° 57' 00" E	1768 m
Nyiro (see Nyero)	Uganda		1° 29' 00" N 33° 51' 00" E	1113 m
Nyiro, En Doinyo (see Ngiro), 10 km E Morr	Kenya		1° 44' 00" N 36° 09' 00" E	
Nyirogongo volcano (see also: Kivu volcano, Niragongo volcano, Nyiragongo volcano, Tshamiagongo volcano, Tshaninagongo, Volcan du Kivu, Volcan Niragong, Volcan Nyiragongo, Volcan Nyirogongo, Volcan Tshamiagongo)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Nyiru, mount (see Ngiro), 10 km E Morr	Kenya		1° 44' 00" N 36° 09' 00" E	
Nyls Vly Farm (see Nylsvlei Farm), Potgietersrus-Naboomspruit	South Africa		24° 39' 00" S 28° 42' 00" E	
Nylstroom	South Africa		24° 42' 00" S 28° 24' 00" E	1178 m
Nylstroom, 3 km NW (see Modimolle, 3 km NW)	South Africa		24° 40' 20" S 28° 22' 38" E	1350 m
Nylsvlei Farm, Potgietersrus-Naboomspruit (see also: Farm Nyls Vly, Farm Nylsvlei, Nyls Vly Farm, Nylsvlei Nature Reserve, Nylsvlei Provincal Nature Reserve)	South Africa		24° 39' 00" S 28° 42' 00" E	
Nylsvlei Nature Reserve (see Nylsvlei Farm), Potgietersrus-Naboomspruit	South Africa		24° 40' 00" S 28° 43' 00" E	
Nylsvlei Provincal Nature Reserve (see Nylsvlei Farm), Potgietersrus-Naboomspruit	South Africa		24° 39' 00" S 28° 42' 00" E	
Nyong River, near (see Métet)	Cameroon		3° 26' 00" N 11° 45' 00" E	485 m
Nyumba cave	Rwanda		2° 39' 00" S 29° 42' 00" E	
Nyumbanitu Forest (see also: Nyumbanitu Forest Reserve)	Tanzania		7° 50' 38" S 36° 22' 18" E	
Nyumbanitu Forest Reserve (see Nyumbanitu Forest)	Tanzania		7° 50' 38" S 36° 22' 18" E	
Nyundo	Rwanda		1° 41' 47" S 30° 01' 37" E	1594 m
Nyungwe Forest Reserve (see also: Forêt Naturelle de Nyungwe)	Rwanda		2° 31' 13" S 29° 18' 15" E	2500 m
Nzara, Zande district	South Sudan		4° 38' 36" N 28° 15' 11" E	595 m
N'Zara (see Sansanné-Mango)	Togo		10° 21' 33" N 0° 28' 15" E	134 m
Nzara county	South Sudan			
Nzara West (see West Nzara)	South Sudan		4° 38' 00" N 28° 15' 00" E	710 m
Nzas cave, between Acocseng and Aconibe (see also: Acocseng and Aconibe, between, Cueva Nzas)	Equatorial Guinea	ca.	1° 18' 35" N 10° 58' 17" E	
Nzérékore prefecture (see also: N'Zérékoré prefecture |PC:NZ|)	Guinea			
N'ZérPC:NZ|)	Guinea			
N'zeto (see also: Ambrisette, Ambrizete, Ambrizette)	Angola		7° 14' 00" S 12° 52' 00" E	6 m
N'zi region	Côte d'Ivoire			
N'zi-Comoé (former) region	Côte d'Ivoire			
N'Zork (see Nsok)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
Nzoro (see also: Vankerckhovenstad, Vankerckhovenville)	Congo (Democratic Republic of the)		3° 20' 00" N 29° 30' 00" E	791 m
Nzouani-Muya cave (see Zouari-Muyo cave) (see also: Grotte de Nzouani-Muya)	Central African Republic			
Nzulu (see also: N'Zulu)	Congo (Democratic Republic of the)		0° 36' 00" S 29° 05' 00" E	1500 m
N'Zulu (see Nzulu)	Congo (Democratic Republic of the)		0° 36' 00" S 29° 05' 00" E	1500 m
Nzwani Island (see also: Anjouan Island |PC:AN|)	Comoro Islands			
O.R. Tambo district	South Africa			
Oakwengaga	Namibia		22° 40' 00" S 14° 50' 00" E	
Oani College (see Ouani College), primary school	Comoro Islands		12° 08' 08" S 44° 25' 28" E	20 m
Oas (farmstead)	Namibia		22° 36' 00" S 19° 24' 00" E	
Oasis Tozeur	Tunisia		33° 55' 14" N 8° 08' 00" E	43 m
Obala	Cameroon		4° 10' 00" N 11° 32' 00" E	539 m
Obala, 12 km S, 11 km E	Cameroon		4° 09' 00" N 11° 31' 00" E	
Obala, 12 km S, 4 km E	Cameroon		4° 10' 00" N 11° 32' 00" E	
Obala, 12 km S, 4 km E	Cameroon		4° 09' 00" N 11° 21' 00" E	
Obala, 30 km N, 40 km E	Cameroon		4° 22' 00" N 11° 58' 00" E	
Obala, 55 km NE	Cameroon	ca.	4° 22' 00" N 11° 58' 00" E	
Obala, 6 km E (by road)	Cameroon	ca.	4° 10' 00" N 11° 32' 00" E	
Obala, 82 km NE	Cameroon		4° 46' 00" N 11° 51' 00" E	
Obamicu	Equatorial Guinea		1° 15' 00" N 11° 02' 00" E	539 m

Oban	Nigeria		5° 19' 00" N 8° 34' 00" E	302 m
Oban hills	Nigeria		5° 30' 00" N 8° 35' 00" E	
Oban, 14 mi [=22.5 km] S	Nigeria	ca.	5° 19' 00" N 8° 34' 00" E	
Obenge	Congo (Democratic Republic of the)		1° 23' 00" S 25° 02' 00" E	
Obienné-Sienso (see Odienné-Siènso)	Côte d'Ivoire		9° 24' 49" N 7° 30' 56" W	452 m
Oboasi (see also: Oboasi Mines)	Ghana		6° 15' 00" N 1° 36' 00" W	
Oboasi Mines (see Oboasi)	Ghana		6° 15' 00" N 1° 36' 00" W	
Obock (see also: Hayyou, Obok)	Djibouti		11° 57' 47" N 43° 17' 26" E	0 m
Obock region	Djibouti			
Obok (see Obock)	Djibouti		11° 57' 47" N 43° 17' 26" E	0 m
Obolléi Yar (see also: Obolley Yar, Wadi Obolléï)	Djibouti		11° 23' 37" N 43° 04' 56" E	218 m
Obolley Yar (see Obolléi Yar)	Djibouti		11° 23' 37" N 43° 04' 56" E	218 m
Obomen, Mpriaso, near	Ghana		6° 35' 00" N 0° 45' 00" W	402 m
Oboul, on Ghilo river (see also: Abol)	Ethiopia		7° 42' 00" N 34° 06' 00" E	313 m
Obudu	Nigeria	ca.	6° 28' 00" N 9° 21' 00" E	
Obudu plateau	Nigeria	ca.	6° 27' 36" N 9° 21' 08" E	
Ocean View Farm	South Africa		30° 20' 20" S 30° 43' 52" E	
Oda (see also: Akim Oda, Insuaim, Nsuaem, Oda Secondary School)	Ghana		5° 55' 00" N 0° 59' 00" W	122 m
Oda and Akim, between	Ghana		5° 54' 00" N 0° 55' 00" W	
Oda district	Ghana			
Oda Secondary School (see Oda)	Ghana		5° 55' 00" N 0° 59' 00" W	122 m
Oda, near (see also: Akim Oda, near)	Ghana	ca.	5° 55' 00" N 1° 00' 00" W	
Odienné-Siènso (see also: Obienné-Sienso, Sienso)	Côte d'Ivoire		9° 24' 49" N 7° 30' 56" W	452 m
Odjolo	Togo		7° 32' 00" N 1° 02' 00" E	
Odome (see Odomi), 2 mi [=3.2 km] E Nkwanta	Ghana		8° 19' 00" N 0° 31' 00" E	324 m
Odomi, 2 mi [=3.2 km] E Nkwanta (see also: Nkwanta, 2 mi [=3.2 km] E, Odome, Odomi Jongo)	Ghana		8° 19' 00" N 0° 31' 00" E	324 m
Odomi Jongo (see Odomi), 2 mi [=3.2 km] E Nkwanta	Ghana		8° 19' 00" N 0° 31' 00" E	324 m
Odukpani	Nigeria		5° 07' 55" N 8° 20' 22" E	
Odzala National Park (see also: Parc National d'Odzala)	Congo		0° 53' 31" N 14° 50' 18" E	
Odzi	Zimbabwe		18° 58' 00" S 32° 23' 00" E	1036 m
Odzi district	Zimbabwe		18° 59' 00" S 32° 29' 00" E	
Oea (see Tarabulus)	Libya		32° 53' 33" N 13° 10' 48" E	6 m
Oemabantoe (see Ombalantu)	Namibia		17° 30' 00" S 14° 58' 00" E	
Ofcolaco, 13 km SW (see Farm Cyprus 68)	South Africa		24° 11' 00" S 30° 17' 00" E	
OFD workings, Krugersdorp	South Africa		26° 04' 00" S 27° 45' 00" E	
Ofinso (see also: Ofinsu, Old Offinso)	Ghana		6° 54' 00" N 1° 39' 00" W	262 m
Ofinsu (see Ofinso)	Ghana		6° 54' 00" N 1° 39' 00" W	262 m
Ogaden	Ethiopia			
Ogbunike, near Onitscha	Nigeria		6° 10' 00" N 6° 54' 00" E	150 m
Ogewa	Gabon			
Ogo, 13 km SW Matam (see also: Matam, 13 km SW)	Senegal		15° 33' 00" N 13° 17' 00" W	27 m
Ogoja	Nigeria		6° 39' 17" N 8° 47' 51" E	127 m
Ogondjo	Congo (Democratic Republic of the)		2° 10' 59" N 30° 55' 59" E	1700 m
Ogoou, near (see Ogooué, near)	Gabon	ca.	0° 06' 00" S 11° 56' 00" E	
Ogooué River, lower (see also: Bas Ogooué, Lower Ogooué River)	Gabon	ca.	1° 00' 00" S 9° 15' 00" E	
Ogooué, near (see also: Ogoou, near)	Gabon	ca.	0° 06' 00" S 11° 56' 00" E	
Ogooué-Ivindo province	Gabon			
Ogooué-Lolo province	Gabon			
Ogooué-Maritime province	Gabon			
Ogowe	Gabon		1° 00' 00" S 13° 00' 00" E	
Ogun state	Nigeria			
Ogwa (see Cape Coast)	Ghana		5° 06' 00" N 1° 15' 00" W	0 m
Ohamuheke (see Sesfontein)	Namibia		19° 08' 00" S 13° 37' 00" E	628 m
Ohangwena region	Namibia			
Ohhrigstad, 19 km SSE (see Farm Klipfontein 407)	South Africa		24° 33' 28" S 30° 36' 28" E	
Ohkotso Boekenhoutskloof, Farm (see Farm Boekenhoutskloof), Cullinan	South Africa		25° 31' 00" S 28° 25' 00" E	
Ohkotso, Farm (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road	South Africa		25° 37' 00" S 28° 37' 00" E	

Ohopoho (see Opuwo)	Namibia		18° 04' 00" S 13° 51' 00" E	1194 m
Ohopuho (see Opuwo)	Namibia		18° 04' 00" S 13° 51' 00" E	1194 m
Oio region	Guinea-Bissau			
Okadjessoambo	Namibia			
Okahandja (see also: Okahanja)	Namibia		21° 59' 00" S 16° 55' 00" E	1324 m
Okahandja district	Namibia		21° 40' 00" S 17° 20' 00" E	
Okahanja (see Okahandja)	Namibia		21° 59' 00" S 16° 55' 00" E	1324 m
Okambe, 10 mi [=16 km] NE	Namibia	ca.	20° 48' 00" S 15° 02' 00" E	
Okaru, 25 mi [=40 km] W Torit (see also: Torit, 25 mi [=40 km] SE)	South Sudan		4° 29' 29" N 32° 10' 09" E	911 m
Okashana	Namibia		18° 23' 55" S 16° 36' 44" E	
Okatana (see Oshakati), Onimuandi, 12 km S	Namibia		17° 47' 00" S 15° 41' 00" E	1074 m
Okatjomboa	Namibia		21° 30' 00" S 18° 30' 00" E	1500 m
Okatumba SA197 [Farmstead], 30 km N, 68 km E Windhoek (see also: Windhoek, 30 km N, 68 km E)	Namibia		22° 19' 00" S 17° 40' 00" E	
Okatumba Sud	Namibia		22° 37' 30" S 17° 52' 30" E	
Okaukuejo Rest Camp (see also: Okaukueyo Rest Camp)	Namibia		19° 10' 57" S 15° 54' 43" E	1100 m
Okaukueyo Rest Camp (see Okaukuejo Rest Camp)	Namibia		19° 10' 57" S 15° 54' 43" E	1100 m
Okavango	Botswana			
Okavango region (see also: Kavango region)	Namibia			
Okavango River	Botswana			
Okavango River Lodge, 12 km NE Maun (see also: Maun, 12 km NE)	Botswana		20° 37' 00" S 22° 38' 00" E	
Okavango-Omataka river junction	Namibia		17° 57' 10" S 20° 28' 20" E	1080 m
Okiep (see also: Ookiep, O'Okiep)	South Africa		29° 35' 40" S 17° 52' 54" E	
Oko sombo (see Akosombo)	Ghana		6° 18' 00" N 0° 03' 00" E	76 m
Okola	Cameroon		4° 01' 00" N 11° 23' 00" E	700 m
Okombahe (see also: Bergdmara, Okombahe Native Reserve, Reserwe Okombahe)	Namibia		21° 40' 00" S 15° 10' 00" E	
Okombahe Native Reserve (see Okombahe)	Namibia		21° 40' 00" S 15° 10' 00" E	
Okombahe, 10 mi [=16 km] W	Namibia		21° 17' 35" S 15° 15' 43" E	
Okombane district	Namibia			
Okomu (see also: Okuno)	Nigeria		6° 15' 57" N 5° 06' 14" E	
Okomu Forest Reserve, 30 mi [=48 km] W Benin City (see also: Benin City, 30 mi [=48 km] W, Benin Native Area, Okomu National Park, Okomu Native Area Forest Reserve)	Nigeria		6° 18' 46" N 5° 14' 01" E	
Okomu National Park (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City	Nigeria		6° 18' 46" N 5° 14' 01" E	
Okomu Native Area Forest Reserve (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City	Nigeria		6° 18' 46" N 5° 14' 01" E	
Okorase (see also: Okorasi)	Ghana		6° 02' 00" N 0° 15' 00" W	207 m
Okorasi (see Okorase)	Ghana		6° 02' 00" N 0° 15' 00" W	207 m
Okorosave	Namibia		18° 11' 00" S 13° 50' 00" E	1370 m
Oku lake (see also: Lake Oku)	Cameroon	ca.	6° 15' 00" N 10° 26' 00" E	
Okuno (see Okomu)	Nigeria		6° 15' 57" N 5° 06' 14" E	
Okura Forest Reserve (see Okura Iyale Forest Reserve)	Nigeria		7° 34' 09" N 7° 17' 35" E	
Okura Iyale Forest Reserve (see also: Igala Native Area Number 1, Itama, Okura Forest Reserve)	Nigeria		7° 34' 09" N 7° 17' 35" E	
Ol Doinyo Lollaisihr (see Ngong Hills)	Kenya		1° 24' 00" S 36° 38' 00" E	
Ol Doinyo Lollaisir (see Ngong Hills)	Kenya		1° 24' 00" S 36° 38' 00" E	
Ol Doinyo Nyuki, cave (see Mount Londiani)	Kenya		1° 09' 00" S 36° 21' 00" E	
Ol Doinyo Ololemoya (see Ngong Hills)	Kenya		1° 24' 00" S 36° 38' 00" E	
Ol Doinyo Sapuk, mount (see Donyo Sabuk), 32 mi NE Nairobi	Kenya		1° 08' 00" S 37° 16' 00" E	
Ol Donyo Sabuk National Park (see Donyo Sabuk), 32 mi NE Nairobi	Kenya		1° 08' 00" S 37° 16' 00" E	
Ol Donyo Sambu [hill] (see Oldonyo Sambu [hill]), 30 km north Arusha	Tanzania		3° 10' 00" S 36° 39' 00" E	1829 m
Ol Jogi Conservancy	Kenya		0° 21' 00" N 36° 57' 00" E	
Ol Jogi Dam	Kenya		0° 19' 29" N 36° 56' 05" E	
Ol Mukutan (see Mukutan)	Kenya		0° 38' 00" N 36° 16' 00" E	1303 m
Ol Muteita (see Elmenteita, lake)	Kenya		0° 26' 25" S 36° 14' 34" E	1829 m
Ol Tukai lodge (see Oltukai lodge)	Kenya		2° 40' 01" S 37° 17' 00" E	
Ola Uager (see Hoja Wajeer)	Somalia		1° 14' 00" N 41° 32' 00" E	4 m
Olangina	Cameroon			

Old Bridge Nwanedzir	South Africa	ca.	24° 23' 00" S 31° 47' 00" E	
Old Cairo (see Misr al Qadimah)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
Old Calabar	Nigeria		4° 56' 00" N 8° 22' 00" E	
Old Calabar (see Elem Kalabari)	Nigeria		4° 34' 27" N 6° 58' 33" E	380 m
Old Calabar river	Nigeria		4° 54' 00" N 8° 16' 00" E	
Old Culling camp	South Africa		22° 25' 00" S 31° 15' 00" E	
Old Dongola (see Dunqulah al Qadimah)	Sudan		18° 13' 00" N 30° 45' 00" E	274 m
Old Entebbe	Uganda		0° 01' 41" N 32° 26' 43" E	1132 m
Old Fig Tree Forest (see also: Old Figtree forest)	South Africa		22° 25' 00" S 31° 11' 00" E	
Old Figtree forest (see Old Fig Tree Forest)	South Africa		22° 25' 00" S 31° 11' 00" E	
Old Fort George (see Janjanbureh), MacCarthy Island	The Gambia		13° 32' 00" N 14° 46' 00" W	4 m
Old Kalonge (see Ugongo)	Congo (Democratic Republic of the)		0° 20' 00" N 29° 49' 00" E	2285 m
Old Kalongi	Uganda			
Old Kasindi (see Kasindi)	Congo (Democratic Republic of the)		0° 02' 10" S 29° 42' 49" E	1049 m
Old Langenburg (see Lumbira)	Tanzania		9° 34' 00" S 34° 08' 00" E	476 m
Old Liwonde Boma (see Liwonde)	Malawi		15° 04' 00" S 35° 13' 00" E	507 m
Old Mikindani (see Mikindani)	Tanzania		10° 17' 00" S 40° 07' 00" E	17 m
Old Mine Adit (see Mutare), Umtali	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
old mine near Doodskloof river, Richtersveld	South Africa		28° 52' 30" S 17° 07' 30" E	
Old Mine Road	Liberia	ca.	7° 33' 11" N 8° 32' 28" W	
Old Offinso (see Ofinso)	Ghana		6° 54' 00" N 1° 39' 00" W	262 m
Old Picnic Site, Luvuvhu River	South Africa		22° 25' 18" S 31° 12' 49" E	
Old Umtali (see Mutare)	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
Oldoinyo Nyukie (see also: Mount Susua, Mount Suswa, Susua, mount, Suswa, mount)	Kenya		1° 09' 00" S 36° 21' 00" E	
Oldoinyo Nyukie, cave	Kenya		1° 09' 00" S 36° 21' 00" E	
Oldoinyo Sabachi (see also: Lolokwi, mount, Mount Lolokwi)	Kenya		0° 49' 41" N 37° 31' 56" E	
Ol'Donyo Sabuk (see Donyo Sabuk)	Kenya		1° 08' 00" S 37° 16' 00" E	
Oldonyo Sambu [hill], 30 km north Arusha (see also: Ol Donyo Sambu [hill], Sambu, Oldonyo [hill])	Tanzania		3° 10' 00" S 36° 39' 00" E	1829 m
Ole	Tanzania		5° 11' 00" S 39° 49' 00" E	1 m
Olebortoto River (see Oleibortoto river) (see also: River Olebortoto)	Kenya		1° 50' 00" S 36° 00' 00" E	
Oleibortoto river (see also: Olebortoto River)	Kenya		1° 50' 00" S 36° 00' 00" E	
Olende River (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Olifants	South Africa		24° 00' 20" S 31° 44' 26" E	
Olifants Camp, 7 km W (see also: Olifants Rest Camp, 7 km W)	South Africa		24° 01' 00" S 31° 39' 00" E	
Olifants Rest Camp, 7 km W (see Olifants Camp, 7 km W)	South Africa		24° 01' 00" S 31° 39' 00" E	
Olifants River, Clanwilliam	South Africa		32° 21' 00" S 18° 57' 00" E	
Olifants River, Pretoria district	South Africa		25° 37' 30" S 28° 07' 30" E	
Olifants Vlei (see also: Elephant Vlei, Elephant Vley, Olifant's Vlei)	Namibia		18° 00' 00" S 17° 30' 00" E	
Olifant's Vlei (see Olifants Vlei)	Namibia		17° 30' 00" S 18° 00' 00" E	
Olifants, 7 km W	South Africa			
Olifants, 7 km W	South Africa		24° 00' 17" S 31° 40' 01" E	
Olifantsfontein, Johannesburg	South Africa		26° 12' 00" S 28° 05' 00" E	
Olifantspoort, Farm 328 (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg	South Africa		25° 50' 00" S 27° 15' 00" E	
Oliphantspoort, Olifantspruit	South Africa			
Olivewood, Farm 284 (see Farm Olivewood 284), 15 km WNW Hotazel	South Africa		27° 12' 00" S 22° 48' 00" E	
Olkenyie, 35 mi [=56 km] WNW Narok (see also: Narok, 35 mi [=56 km] WNW)	Kenya		1° 13' 00" S 35° 28' 00" E	
Oloitokitok, near Government Rest House	Kenya		2° 55' 49" S 37° 30' 18" E	
Olokemeji Forest Reserve	Nigeria		7° 25' 00" N 3° 32' 00" E	
Ololbutot (see also: Hells Gate Canyon)	Kenya		0° 55' 00" S 36° 19' 00" E	
Ololdiani, mount (see Londiani, mount)	Kenya		0° 06' 00" S 35° 43' 00" E	
Ololemoya, Ol Doinyo (see Ngong Hills)	Kenya		1° 24' 00" S 36° 38' 00" E	
Ololkisalie National Park (see Olorgasailie)	Kenya		1° 34' 00" S 36° 27' 00" E	1050 m
Ololkisalie National Park (see Olorgasailie), near Magadi	Kenya		1° 34' 00" S 36° 27' 00" E	
Ololkisalie Royal National Park (see Olorgasailie), near Magadi	Kenya		1° 34' 00" S 36° 27' 00" E	
Ololkisalie Royal National Park (see Olorgasailie)	Kenya		1° 34' 00" S 36° 27' 00" E	1050 m
Olongo-Nsongo [river] (see also: Batoko (river))	Congo (Democratic Republic of the)		1° 39' 00" S 18° 05' 00" E	

Olorgasailie (see also: Ololkisalie National Park, Ololkisalie Royal National Park, Olorgasailie National Monument, Olorgesailie Pre-historic Site, Olorgesaille Royal National Park)	Kenya		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgasailie, near Magadi (see also: Ololkisalie National Park , Ololkisalie Royal National Park , Olorgasailie National Monument, Olorgesailie Pre-historic Site, Olorgesaille Royal National Park)	Kenya		1° 34' 00" S 36° 27' 00" E	
Olorgasailie National Monument (see Olorgasailie), near Magadi	Kenya		1° 34' 00" S 36° 27' 00" E	
Olorgasailie National Monument (see Olorgasailie)	Kenya		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgesailie Pre-historic Site (see Olorgasailie), near Magadi	Kenya		1° 34' 00" S 36° 27' 00" E	
Olorgesailie Pre-historic Site (see Olorgasailie)	Kenya		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgesaille Royal National Park (see Olorgasailie), near Magadi	Kenya		1° 34' 00" S 36° 27' 00" E	
Olorgesaille Royal National Park (see Olorgasailie)	Kenya		1° 34' 00" S 36° 27' 00" E	1050 m
Olounou	Cameroon		2° 49' 00" N 12° 08' 00" E	658 m
Oltukai lodge (see also: Ol Tukai lodge)	Kenya		2° 40' 01" S 37° 17' 00" E	
Olyvekloof, Farm 184 (see Farm Olyvekloof 184)	South Africa		31° 07' 00" S 26° 52' 00" E	
Omaheke region	Namibia			
Oman	Oman			
Omaniumdu	Congo (Democratic Republic of the)		3° 21' 00" S 23° 16' 00" E	464 m
Omar cave, S of (see Sof Omar cave), 25 mi [=40 km] E Ginir	Ethiopia		6° 54' 22" N 40° 50' 42" E	
Omaruru	Namibia		21° 26' 00" S 15° 56' 00" E	1185 m
Omaruru district	Namibia		21° 30' 00" S 16° 00' 00" E	
Omaruru, 18 km S, 6 km E (see E Kamombonde 86)	Namibia		21° 30' 00" S 15° 56' 00" E	
Omaruru, 35 km N, 27 km W (see Eausiro W 100)	Namibia			
Omaruru, 37 km N, 27 km W and 100 km W Eausiro (see also: Eausiro, 27 km W and 100 km W)	Namibia		20° 58' 00" S 15° 18' 00" E	
Omaruru, 48 km ENE (see Farm Otjikoko Sud 61)	Namibia		21° 18' 00" S 16° 27' 00" E	
Omaruru, 6 km E (see Farm Opelo Süd 39)	Namibia		21° 16' 52" S 15° 59' 50" E	1300 m
Omatagous	Namibia		21° 58' 00" S 16° 55' 00" E	
Ombalantu (see also: Oemabantoe)	Namibia		17° 30' 00" S 14° 58' 00" E	
Ombarahewa, Farm 22 (see Farm Ombarahewa 22)	Namibia		20° 27' 50" S 16° 18' 32" E	1320 m
Ombella-M'Poko prefecture	Central African Republic			
Omboi (see Kawn Umbu)	Egypt		24° 28' 45" N 32° 56' 37" E	109 m
Ombombo (waterhole)	Namibia		18° 41' 00" S 13° 57' 00" E	1400 m
Ombonde Farm 616, 40 km W Kamanjab (see also: Kamanjab, 40 km W)	Namibia		19° 34' 00" S 14° 29' 00" E	
Ombos (see Kawn Umbu)	Egypt		24° 28' 45" N 32° 56' 37" E	109 m
Omboué (see also: Fernan Vaz, Fernand-Vaz)	Gabon		1° 34' 00" S 9° 15' 00" E	0 m
Ombu	Namibia		21° 40' 00" S 15° 44' 00" E	
Omburo (farmstead) (see also: Omburu)	Namibia		21° 18' 00" S 16° 12' 00" E	
Omburu (see Omburo (farmstead))	Namibia		21° 18' 00" S 16° 12' 00" E	
Omdraaivlei Farm, Briststown	South Africa		30° 05' 00" S 23° 08' 00" E	
Omdurman (see Umm Durman)	Sudan		15° 38' 10" N 32° 16' 14" E	390 m
Omdurman, 10 mi [=16 km] NW (see Azraq, Al Jabal al)	Sudan		15° 47' 29" N 32° 27' 35" E	
Omega	Namibia		18° 03' 00" S 22° 11' 00" E	
Omega, 12 km E	Namibia		18° 07' 30" S 22° 22' 30" E	
Omo Forest Reserve	Nigeria		6° 50' 49" N 4° 22' 17" E	
Omo Valley, 30 km N Kalam (see also: Kalam, 30 km N, Kelem, 30 km N)	Ethiopia	ca.	6° 00' 00" N 35° 50' 00" E	
Ompéré (see Mpéré)	Gabon		1° 41' 00" S 9° 41' 00" E	32 m
Omubiyanja Swamp	Uganda		0° 59' 21" S 29° 37' 06" E	1850 m
Omuramba Khaundum, S Fork near junction with N Fork, 66 km S 113 km E Rundu (see also: Rundu, 66 km S 113 km E)	Namibia			
Omuramba, Omatako	Namibia		17° 57' 10" S 20° 28' 20" E	
Omusati region	Namibia			
on GP 3 in underground aquaduct (see Stil Date Grove), 12 km N Tozeur	Tunisia			
Ondangua (see Ondangwa)	Namibia		17° 55' 00" S 15° 57' 00" E	1080 m
Ondangwa (see also: Ondangua, Ondonga, Ondongwa)	Namibia		17° 55' 00" S 15° 57' 00" E	1080 m
Ondangwa district	Namibia			

Onder Downs, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	South Africa		31° 31' 06" S 19° 31' 06" E	
Onderdownes Wes, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	South Africa		31° 31' 06" S 19° 31' 06" E	
Onder-Downes, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	South Africa		31° 31' 06" S 19° 31' 06" E	
Onder-Sabie (see also: Laer Sabie Ruskamp, Lower Sabie, Lower Sabie Rest Camp, Lower Sabie Ruskamp , Onder-Sabie Ruskamp)	South Africa		25° 07' 00" S 31° 55' 00" E	
Onder-Sabie Ruskamp (see Onder-Sabie)	South Africa		25° 07' 00" S 31° 55' 00" E	
Onderstepoort, Pretoria	South Africa		25° 39' 02" S 28° 11' 03" E	1196 m
Ondo state	Nigeria			
Ondo, lake (see also: Lac Ondo, Lake Ondo)	Congo (Democratic Republic of the)		1° 08' 07" S 29° 19' 21" E	
Ondokoa (see Dokoa)	Cameroon		4° 22' 00" N 11° 44' 00" E	469 m
Ondonga (see Ondangwa)	Namibia		17° 55' 00" S 15° 57' 00" E	1080 m
Ondongera	Namibia			3380 ft
Ondongwa (see Ondangwa)	Namibia		17° 55' 00" S 15° 57' 00" E	1080 m
Ondongwa, 32 km W (see Otjoro)	Namibia		22° 15' 00" S 16° 10' 00" E	
Ongarou (see Ougarou)	Burkina Faso		12° 09' 16" N 0° 55' 47" W	261 m
Ongata Onkishu (see also: Guas Ngishu, Ngato Ngishu)	Kenya		2° 35' 00" S 37° 05' 00" E	
Ongoo, 35 km W, 4 km N Kumba (near Mukono) (see also: Kumba, 35 km W, 4 km N)	Cameroon		4° 39' 00" N 9° 25' 00" E	
Onguma	Namibia		17° 54' 00" S 16° 07' 00" E	1073 m
Onimuandi, 12 km S (see Oshakati)	Namibia		17° 47' 00" S 15° 41' 00" E	1074 m
Onverwacht, Farm 544JT (see Farm Onverwacht 544JT), Sjonajona	South Africa		25° 45' 38" S 30° 42' 05" E	
Oograbies West, Farm 153 (see Farm Oograbies West 153)	South Africa		29° 12' 00" S 17° 05' 00" E	
Ookiep (see Okiep)	South Africa		29° 35' 40" S 17° 52' 54" E	
O'Okiep (see Okiep)	South Africa		29° 35' 40" S 17° 52' 54" E	
Oos-Londen (see East London)	South Africa		33° 00' 00" S 27° 55' 00" E	0 m
Opelo Süd, Farm 39 (see Farm Opelo Süd 39)	Namibia		21° 16' 52" S 15° 59' 50" E	1300 m
Oprocage, farm, near Moba, Luba	Equatorial Guinea	ca.	3° 20' 00" N 8° 40' 00" E	1300 m
Opuwa (see Opuwo)	Namibia		18° 04' 00" S 13° 51' 00" E	1194 m
Opuwo (see also: Ohopoho, Ohopuho, Opuwa)	Namibia		18° 04' 00" S 13° 51' 00" E	1194 m
Opuwo district	Namibia			
Oran (see also: Ouahran, Wahran)	Algeria		35° 41' 00" N 0° 39' 00" W	110 m
Oran province	Algeria			
Oran, 12 km SW (see Misserghin)	Algeria		35° 38' 00" N 0° 43' 00" W	
Oran, 20 km W (see Les Andalouses)	Algeria			
Orange Grove, Farm (see Farm Orange Grove)	South Africa		30° 03' 44" S 24° 40' 06" E	1173 m
Orange Mouth (see Oranjemund), Swartkop Diamond area Nr 1	Namibia		28° 33' 00" S 16° 26' 00" E	29 m
Orange River confluence, Bethlehem	South Africa		28° 14' 00" S 28° 18' 00" E	
Orange River Station, Alfalfa, Hopetown	South Africa		29° 37' 30" S 24° 07' 30" E	
Orange River, near south bank, Upington	South Africa		28° 28' 00" S 21° 14' 00" E	800 m
Orangemund (see Oranjemund), Swartkop Diamond area Nr 1	Namibia		28° 33' 00" S 16° 26' 00" E	29 m
Oranjemond (see Oranjemund), Swartkop Diamond area Nr 1	Namibia		28° 33' 00" S 16° 26' 00" E	29 m
Oranjemund, Swartkop Diamond area Nr 1 (see also: Orange Mouth, Orangemund, Oranjemond, Swartkop Diamond Area No.1)	Namibia		28° 33' 00" S 16° 26' 00" E	29 m
Orano river (see Marun river)	Kenya		1° 37' 08" N 35° 32' 35" E	2286 m
Orchid cave (see Baruka cave), 10 mi [=16 km] N(W) Sinoia	Zimbabwe		17° 22' 12" S 30° 04' 48" E	
Orchid Cave (see Chinhoyi Caves)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Oribi Gorge Nature Reserve, Port Shepstone (see also: Oribi Gorge Ranch, Oribi-Lind Valley Game Ranch)	South Africa		30° 43' 00" S 30° 16' 00" E	
Oribi Gorge Ranch (see Oribi Gorge Nature Reserve), near Port Shepstone	South Africa		30° 42' 00" S 30° 13' 48" E	
Oribi-Lind Valley Game Ranch (see Oribi Gorge Nature Reserve), Port Shepstone	South Africa		30° 42' 00" S 30° 13' 48" E	
Oriental (former) province, see Bas Uele, Haut Uele, Ituri or Tshopa provinces	Congo (Democratic Republic of the)			
Oriental (former) region	Morocco			
OrienPC:OF|)	Morocco			
Orillas del Miong (see Noayong)	Equatorial Guinea		1° 22' 13" N 10° 42' 00" E	571 m
OrimaPC:OR|)	Ethiopia			
Orodara, 27 km ENE	Burkina Faso		11° 04' 00" N 4° 41' 00" W	

Oromia state (see also: Orimaya state |PC:OR|, Oromiya state |PC:OR|)	Ethiopia			
OromiPC:OR|)	Ethiopia			
Orongo Water Affairs Camp	Namibia		17° 42' 00" S 15° 17' 00" E	
Orotava	Canary Islands (Spain)		28° 46' 00" N 17° 45' 00" W	
Orpan, 14 km N (see Orpen, 14 km N)	South Africa	ca.	24° 34' 42" S 31° 53' 46" E	
Orpen Gate, 14 km N (see Mnangadyana Koppie, cave)	South Africa		24° 21' 00" S 31° 24' 00" E	
Orpen, 14 km N (see also: Orpan, 14 km N)	South Africa	ca.	24° 34' 42" S 31° 53' 46" E	
Orrelgat cave, 6.6 km N, 5.8 km W Platbakkies (see also: Platbakkies, 6.6 km N, 5.8 km W, Witwater, 25 mi [=40 km] E)	South Africa		30° 15' 00" S 18° 26' 00" E	975 m
ORSTOM center (see Brazzaville)	Congo		4° 15' 33" S 15° 17' 05" E	155 m
Ortum	Kenya		1° 26' 00" N 35° 21' 00" E	
Oserikari	Namibia			
Oshakati, Onimuandi, 12 km S (see also: Okatana, Onimuandi, 12 km S)	Namibia		17° 47' 00" S 15° 41' 00" E	1074 m
Oshana region	Namibia			
Oshikanga (see Oshikango)	Namibia		17° 24' 00" S 15° 53' 00" E	1099 m
Oshikango	Uganda			
Oshikango (see also: Oshikanga)	Namibia		17° 24' 00" S 15° 53' 00" E	1099 m
Oshikoto region	Namibia			
Oshwe, Lake Leopold II	Congo (Democratic Republic of the)		3° 24' 00" S 19° 30' 00" E	368 m
Osjitambi farm, Kaoko Veld, ca. 80 mi NW Outjo (see also: Outjo, ca. 80 mi [=129 km] NW)	Namibia			
Osjivarongo (see Farm Etaneno 44)	Namibia		20° 52' 30" S 16° 22' 30" E	
Oso River, Muhulu	Congo (Democratic Republic of the)		1° 04' 00" S 27° 25' 00" E	
Osohama	Namibia		18° 32' 00" S 16° 49' 00" E	1250 m
Ossa, Lake	Cameroon	ca.	3° 49' 00" N 10° 08' 00" E	
Ossengue Camp site (see also: Gamba complex)	Gabon		1° 55' 59" S 9° 54' 00" E	
Ossidinge (see Mamfe)	Cameroon		5° 47' 00" N 9° 18' 00" E	133 m
Ossidingi (see Mamfe)	Cameroon		5° 47' 00" N 9° 18' 00" E	133 m
Osufuko Lerego (see Aberdare mountains)	Kenya		0° 23' 08" S 36° 38' 08" E	
Osun state	Nigeria			
Otavi, 25.2 km N, 23.5 km W (see Tkai-Tkab Sinkhole, Etosha)	Namibia		19° 20' 30" S 17° 20' 30" E	1300 m
Othawo, Farm 242 (see Farm Othawo 242), 16 km N Newington	South Africa		24° 45' 00" S 31° 26' 00" E	
Othaya	Kenya		0° 34' 00" S 34° 57' 00" E	1825 m
Oti (River) (see also: Banjeri, Ilé, Le Oti, Lemuale, L'Oti, Maol, Maole, Moal, Moale, Morle)	Togo		7° 48' 00" N 0° 08' 00" E	
Otjihoro (see Otjoro), 32 km W Ondongwa,	Namibia		22° 15' 00" S 16° 10' 00" E	
Otjihua 180 (farmstead), 33 km N, 74 km E Windhoek (see also: Windhoek, 33 km N, 74 km E)	Namibia		22° 06' 00" S 17° 55' 00" E	
Otjihua 182, 33 km N, 74 km E Windhoek (see also: Windhoek, 33 km N, 74 km E)	Namibia		22° 06' 00" S 17° 55' 00" E	
Otjihua 185, 33 km N, 74 km E Windhoek (see also: Windhoek, 33 km N, 74 km E)	Namibia		22° 06' 00" S 17° 55' 00" E	
Otjikoko Sud 61, 48 km ENE Omaruru	Namibia		21° 18' 00" S 16° 27' 00" E	
Otjimbingue (see Otjimbingwe), 80 mi E Karibib	Namibia		22° 21' 00" S 16° 08' 00" E	844 m
Otjimbingwe, 80 mi E Karibib (see also: Karibib, 80 mi [=129 km] E, Otjimbingue)	Namibia		22° 21' 00" S 16° 08' 00" E	844 m
Otjimbojo	Namibia			
Otjipomenima	Angola		16° 41' 00" S 14° 55' 00" E	
Otjitambi, Farm 25 (see Farm Otjitambi 25)	Namibia		19° 48' 00" S 15° 11' 00" E	1150 m
Otjitotongwe Farm	Namibia		19° 36' 22" S 15° 04' 11" E	
Otjitundua (see Otjitunduwa)	Namibia		18° 37' 00" S 14° 08' 00" E	1517 m
Otjitunduwa (see also: Otjitundua)	Namibia		18° 37' 00" S 14° 08' 00" E	1517 m
Otjivarongo (see Farm Etaneno 44)	Namibia		20° 52' 30" S 16° 22' 30" E	
Otjiwarongo district	Namibia			
Otjiwarongo, 0.7 km N, 35.2 km W (see Farm Ombarahewa 22)	Namibia		20° 27' 50" S 16° 18' 32" E	1320 m
Otjiwarongo, 38.8 km W (see Farm Schwarzerfels 33)	Namibia		20° 28' 13" S 16° 16' 25" E	1400 m
Otjiwarongo, 52 km ESE (see Farm Okosongomingo 148)	Namibia			
Otjiwarongo, 80 km E (see Otjosangombe)	Namibia	ca.	20° 21' 22" S 17° 54' 38" E	
Otjoro, 32 km W Ondongwa, (see also: Ondongwa, 32 km W, Otjihoro)	Namibia		22° 15' 00" S 16° 10' 00" E	

Otjosangombe, 80 km E Otjiwarongo (see also: Otjiwarongo, 80 km E)	Namibia	ca.	20° 21' 22" S 17° 54' 38" E	
Otjosongombe (see Otjozongombe), Waterberg	Namibia		18° 50' 00" S 13° 58' 00" E	1271 m
Otjozondjupa, Kano Vlei	Namibia		19° 22' 00" S 19° 07' 00" E	
Otjozondjupa region	Namibia			
Otjozongombe, Waterberg (see also: Otjosongombe)	Namibia		18° 50' 00" S 13° 58' 00" E	1271 m
Otjumbumbi, N.W. Ovamboland, 15 mi above Cunene Falls, Cunene river	Namibia		17° 24' 00" S 14° 25' 00" E	3400 ft
Otocon Creek, near (San Joaquin de) Ndyiacon	Equatorial Guinea			
Otogo, summit mount (see Jabal Otogo, summit)	South Sudan		3° 57' 32" N 30° 34' 59" E	3650 ft
Otonde River (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Otondo River (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Ototomo (see also: Ottotom, Ottotomo, Ottotumo)	Cameroon		3° 39' 00" N 11° 19' 00" E	761 m
Ottershoop	South Africa		30° 30' 00" S 22° 51' 00" E	
Ottos Bluff (see Farm Otto's Bluff), Pietermaritzburg	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Otto's Bluff Farm (see Farm Otto's Bluff), 15 km NNW Pietermaritzburg	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Ottoshoop	South Africa		25° 45' 00" S 25° 57' 00" E	1417 m
Ottotom (see Ototomo)	Cameroon		3° 39' 00" N 11° 19' 00" E	761 m
Ottotomo (see Ototomo)	Cameroon		3° 39' 00" N 11° 19' 00" E	761 m
Ottotumo (see Ototomo)	Cameroon		3° 39' 00" N 11° 19' 00" E	761 m
Otuke district	Uganda			
Otyo (see Outjo)	Namibia		20° 07' 00" S 16° 09' 00" E	1216 m
Otyo district (see Outjo district)	Namibia		19° 30' 00" S 15° 30' 00" E	
Ouaddaï region	Chad			
Ouadé, Djabal (see Gangirwal)	Nigeria		7° 02' 00" N 11° 43' 00" E	1900 m
Ouadé, Tchabal (see also: Chappal Waddi)	Nigeria		7° 02' 00" N 11° 43' 00" E	1900 m
Ouagadouga (see Ouagadougou)	Burkina Faso		12° 22' 13" N 1° 31' 29" W	305 m
Ouagadougou (see also: Ouagadouga, Wagadugu)	Burkina Faso		12° 22' 13" N 1° 31' 29" W	305 m
Ouagadougou and Bobodioulasso, village between	Burkina Faso	ca.	11° 45' 00" N 2° 56' 02" W	
Ouahran (see Oran)	Algeria		35° 41' 00" N 0° 39' 00" W	110 m
Ouaka prefecture	Central African Republic			
Ouala I (see Ouallah I), along small river at east side of village	Comoro Islands		12° 19' 36" S 43° 39' 48" E	10 m
Ouala I, near (see Ouallah I, near), along Akomodjou River	Comoro Islands		12° 19' 23" S 43° 40' 04" E	35 m
Ouala II (see Ouallah II), primary school	Comoro Islands		12° 20' 41" S 43° 40' 15" E	35 m
Ouallah I, along small river at east side of village (see also: Luala I, Ouala I)	Comoro Islands		12° 19' 36" S 43° 39' 48" E	10 m
Ouallah I, near, along Akomodjou River (see also: Luala I, near, Ouala I, near)	Comoro Islands		12° 19' 23" S 43° 40' 04" E	35 m
Ouallah II, primary school (see also: Luala II, Ouala II)	Comoro Islands		12° 20' 41" S 43° 40' 15" E	35 m
Ouando (see Owando)	Congo		0° 29' 13" S 15° 54' 29" E	325 m
Ouangani canton	Mayotte	ca.	12° 50' 54" S 45° 08' 20" E	
Ouango Fetini (see Ouangofétini)	Côte d'Ivoire		9° 34' 00" N 4° 03' 00" W	312 m
Ouangofétini (see also: Ouango Fetini)	Côte d'Ivoire		9° 34' 00" N 4° 03' 00" W	312 m
Ouangofétini	Côte d'Ivoire		9° 34' 00" N 4° 03' 00" W	312 m
Ouani College, primary school (see also: Collège d'Ouani, Oani College, Ouany College)	Comoro Islands		12° 08' 08" S 44° 25' 28" E	20 m
Ouany College (see Ouani College), primary school	Comoro Islands		12° 08' 08" S 44° 25' 28" E	20 m
Ouargla	Algeria		31° 57' 27" N 5° 19' 40" E	149 m
Ouargla province (see also: Wilaya de Ouargla)	Algeria	ca.	30° 30' 00" N 6° 10' 00" E	
Ouari-Maro forest	Benin		9° 10' 00" N 2° 10' 00" E	
Ouarou (see Ougarou)	Burkina Faso		12° 09' 16" N 0° 55' 47" W	261 m
Ouarsenis, Djebel (see also: Djebel Ouarsenis)	Algeria		35° 52' 00" N 1° 38' 00" E	
Ouarzazat (see Warzat)	Morocco		30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazat, 19 km E (see also: Ouarzazate, 19 km E, Ouarzazte, 19 km E, Ouorzazate, 19 km E)	Morocco		30° 57' 00" N 6° 43' 00" W	
Ouarzazate (see Warzat)	Morocco		30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazate prefecture	Morocco			
Ouarzazate, 19 km E (see Ouarzazat, 19 km E)	Morocco		30° 57' 00" N 6° 43' 00" W	
Ouarzazate, 3 km NW	Morocco		30° 48' 00" N 5° 36' 00" W	
Ouarzazate, 5 km S	Morocco		30° 52' 01" N 6° 55' 01" W	
Ouarzazate, 5 km SE	Morocco		30° 52' 59" N 6° 57' 00" W	
Ouarzazate, 5 km SW	Morocco		30° 52' 59" N 6° 57' 00" W	
Ouarzazate, 6 km N	Morocco		30° 55' 01" N 6° 55' 01" W	

Ouarzazate, 9 km SE	Morocco		30° 52' 01" N 6° 52' 01" W	
Ouarzazte (see Warzat)	Morocco		30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazte, 19 km E (see Ouarzazat, 19 km E)	Morocco		30° 57' 00" N 6° 43' 00" W	
Ouassou (see Wassou)	Guinea		10° 02' 00" N 13° 39' 00" W	58 m
Oubangi	Congo		0° 30' 00" S 17° 00' 00" E	
Oubangui Chari (see Central African Republic)	Central African Republic			
Oubangui, upper	Central African Republic			
Oubritenga province	Burkina Faso			
Oudalan province	Burkina Faso			
Oudna (see Oudna Station)	Tunisia		36° 37' 34" N 10° 09' 07" E	
Oudna Station	Tunisia		36° 37' 34" N 10° 09' 07" E	
(see also: Oudna, Station d'Oudna, Udhnah)				
Oudna Station, 1 km SE	Tunisia		36° 37' 11" N 10° 09' 35" E	
Oudtshoorn	South Africa		33° 35' 00" S 22° 12' 00" E	328 m
(see also: De Hoek, Skeleton Cave)				
Oued Drâa	Morocco	ca.	29° 10' 00" N 8° 00' 00" W	
Oued ed-Dahab - Lagouira (former) region	Morocco			
Oued Ed-Danab province	Morocco			
Oued el-Ammar, Sebt-des-Aït, Serhrouchen	Morocco		34° 06' 00" N 4° 33' 36" W	
Oued Ibdeken (see Ibdekkene valley), 30 km N Kidal	Mali	ca.	18° 45' 00" N 1° 25' 00" E	
Oued Ibdekken (see Ibdekkene valley), 30 km N Kidal	Mali	ca.	18° 45' 00" N 1° 25' 00" E	
Oued Igharghar	Algeria		19° 34' 28" N 5° 53' 46" E	
(see also: Ideles, 20 km N)				
Oued Lahou (see Oued Laou)	Morocco		35° 26' 54" N 5° 05' 47" W	
Oued Lao (see Oued Laou)	Morocco		35° 26' 54" N 5° 05' 47" W	
Oued Laou	Morocco		35° 26' 54" N 5° 05' 47" W	
(see also: Oued Lahou, Oued Lao, Oued Lou, Uad Lau)				
Oued Laou, near	Morocco	ca.	35° 26' 54" N 5° 05' 47" W	
Oued Lou (see Oued Laou)	Morocco		35° 26' 54" N 5° 05' 47" W	
Oued Marsa (see Aokas)	Algeria		36° 38' 00" N 5° 15' 00" E	198 m
Oued Rhumel	Algeria		36° 32' 00" N 6° 16' 00" E	
Oued Siglone, near Chefchaoune	Morocco	ca.	35° 10' 00" N 5° 16' 00" W	
(see also: Duea Seglaon)				
Oued Tafna (see Tafna, oued)	Algeria	ca.	35° 17' 52" N 1° 28' 16" W	
Oued Tasna (see Tafna, oued)	Algeria	ca.	35° 17' 52" N 1° 28' 16" W	
Oued Tlélat	Algeria		35° 32' 56" N 0° 26' 50" W	152 m
(see also: Oued-Trelat, Saint-Barbe-du-Tlélat, Sainte-Barbe-Du-Trelat)				
Oued-Trelat (see Oued Tlélat)	Algeria		35° 32' 56" N 0° 26' 50" W	152 m
Oueleba	Guinea		8° 35' 38" N 8° 53' 47" W	1029 m
Oueleba-Dump	Guinea		8° 37' 08" N 8° 53' 14" W	
Ouémé department	Benin			
Ouest region	Cameroon			
Ouezzane, 10 km W	Morocco		34° 46' 01" N 5° 40' 59" W	
Ougarou	Burkina Faso		12° 09' 16" N 0° 55' 47" W	261 m
(see also: Ongarou, Ouarou, Waru)				
Ouham prefecture	Central African Republic			
Ouham, near	Central African Republic	ca.	7° 00' 00" N 18° 00' 00" E	
Ouham-Pendé prefecture	Central African Republic			
Oujda-Angad prefecture	Morocco			
Oulo	Burkina Faso		11° 54' 00" N 2° 59' 00" W	304 m
Oum Djeddour, 6 km S (see Jabal al Wast)	Tunisia		35° 33' 37" N 8° 52' 59" E	
Oum el Bouaghi province	Algeria			
Oumache	Algeria		34° 42' 00" N 5° 41' 00" E	103 m
(see also: Oumash, Umasch, Umash)				
Oumash (see Oumache)	Algeria		34° 42' 00" N 5° 41' 00" E	103 m
Oumé	Côte d'Ivoire		6° 23' 00" N 5° 25' 00" W	153 m
(see also: Umé)				
Oumé department	Côte d'Ivoire			
Ounianga Kébir	Chad		19° 04' 00" N 20° 29' 00" E	400 m
Ouorzazate (see Warzat)	Morocco		30° 55' 31" N 6° 54' 48" W	1276 m
Ouorzazate, 19 km E (see Ouarzazat, 19 km E)	Morocco		30° 57' 00" N 6° 43' 00" W	
Ouossou (see Wassou)	Guinea		10° 02' 00" N 13° 39' 00" W	58 m
Our Lady of Sorrows	Swaziland		27° 16' 00" S 31° 32' 00" E	
Ourika, cascades, near Setti-Fatma	Morocco		31° 13' 13" N 7° 40' 09" W	
Oursi	Burkina Faso		14° 40' 36" N 0° 27' 19" W	266 m
(see also: Oursy)				
Oursy (see Oursi)	Burkina Faso		14° 40' 36" N 0° 27' 19" W	266 m
Outamba section, 5.7 km NE Fintonia	Sierra Leone		9° 42' 00" N 12° 11' 00" W	
(see also: Fintonia, 5.7 km NE)				

Outamba-Kilimi National Park	Sierra Leone			
Outjo	Namibia		20° 07' 00" S 16° 09' 00" E	1216 m
(see also: Otyo)				
Outjo district	Namibia		19° 30' 00" S 15° 30' 00" E	
(see also: Otyo district)				
Outjo, 14.5 km S, 28 km W (see Farm Musterland 113)	Namibia		20° 14' 16" S 15° 53' 00" E	1200 m
Outjo, 18.9 km S, 35.1 km W (see Farm Geduld 111)	Namibia		20° 16' 37" S 15° 48' 53" E	1100 m
Outjo, 20 km S, 35 km E (see Farm Otjitambi 25)	Namibia		19° 48' 00" S 15° 11' 00" E	1150 m
Outjo, 21.1 km S, 33.3 km W (see Farm Geduld 111)	Namibia		20° 17' 49" S 15° 49' 57" E	1020 m
Outjo, 4.4 km S, 28.3 km W (see Farm Mooihoek 376)	Namibia		20° 08' 45" S 15° 52' 48" E	1360 m
Outjo, ca. 80 mi [=129 km] NW (see Osjitambi farm), Kaoko Veld	Namibia			
Oveng	Cameroon		2° 25' 00" N 12° 16' 00" E	608 m
Overberg district	South Africa			
Overport	South Africa		29° 50' 20" S 30° 59' 24" E	
Owando	Congo		0° 29' 13" S 15° 54' 29" E	325 m
(see also: Fort Pousset, Fort Rousset, Ouando)				
Oxbow, ski lodge	Lesotho		28° 52' 30" S 28° 37' 30" E	
Oyam district	Uganda			
Oyem	Gabon		1° 35' 54" N 11° 34' 31" E	552 m
Oyo state	Nigeria			
Oyo, 7 mi [=11 km] W	Nigeria	ca.	7° 20' 15" N 3° 45' 29" E	
Oyster Bay	Tanzania		6° 47' 00" S 39° 17' 00" E	0 m
Ozi river (see Tana river), Bura	Kenya		2° 31' 49" S 40° 31' 26" E	
P.K. Le Roux Dam, Petrusville, 8.0 km E	South Africa		30° 05' 00" S 24° 45' 00" E	1150 m
(see also: Le Roux Dam, Petrusville, 8.0 km E)				
Pacobo	Côte d'Ivoire		6° 10' 03" N 4° 56' 14" W	75 m
(see also: Kpakobo, Pakobo)				
Paddagat	South Africa		31° 08' 00" S 18° 11' 00" E	240 m
Pader district	Uganda			
Padori	Togo		10° 14' 00" N 0° 26' 00" E	126 m
Pafuri	South Africa		22° 24' 36" S 31° 06' 36" E	
Pafuri area	South Africa		22° 25' 30" S 31° 12' 30" E	
Pafuri area (II)	South Africa		22° 27' 00" S 31° 18' 00" E	
Pafuri area (III)	South Africa		22° 24' 10" S 31° 15' 13" E	
Pafuri, Bridge	South Africa		22° 25' 00" S 31° 11' 00" E	
Pafuri, upstream site	South Africa		22° 25' 00" S 31° 11' 00" E	
Pagala	Togo		8° 13' 00" N 0° 53' 00" E	368 m
(see also: Urenji)				
Pagegi (see Pategi)	Nigeria		8° 44' 00" N 5° 45' 00" E	80 m
(see also: Papegi)				
Pahoni (see Paoni)	Congo (Democratic Republic of the)		1° 58' 30" N 28° 52' 30" E	913 m
Paiata (see Piata)	Liberia		7° 12' 00" N 9° 48' 00" W	221 m
Paio (see Payo)	Togo		10° 14' 00" N 0° 43' 00" E	146 m
Pajule	Uganda		2° 56' 23" N 32° 56' 38" E	1006 m
Pakhuis Pass, Kliphuis camp site, 12 km ENE Clanwilliam	South Africa		32° 08' 10" S 19° 00' 10" E	693 m
(see also: Clanwilliam, 12 km ENE)				
Pakobo (see Pacobo)	Côte d'Ivoire		6° 10' 03" N 4° 56' 14" W	75 m
Palace Rock (see Ambohijoky)	Madagascar		19° 03' 00" S 47° 29' 00" E	1340 m
Palala-Koedoesloop Rivers confluence, 65 km N Vaalwater	South Africa		23° 48' 00" S 28° 15' 00" E	
Palé	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m
(see also: Ambo, Annobón, Ciudad de Pali, San Antonio, San Antonio de Palé)				
Palestine	Palestine			
Palimé (see Kpalimé)	Togo		7° 05' 00" N 0° 45' 00" E	
Pallisa district	Uganda			
Palma cave	Mauritius		20° 16' 40" S 57° 27' 14" E	
Palmas (see Las Palmas de Gran Canaria)	Canary Islands (Spain)		28° 05' 59" N 15° 24' 48" W	
Palmiera	Mozambique		25° 13' 02" S 32° 49' 56" E	
Palmiet Nature Reserve	South Africa		29° 50' 00" S 30° 56' 00" E	168 m
Palmira, hill (see Morro Palmira)	São Tomé and Principé		0° 17' 00" N 6° 36' 00" E	1350 m
Palwar, 45 mi [=72 km] S Torit	South Sudan		3° 55' 00" N 32° 36' 00" E	1237 m
(see also: Torit, 45 mi [=72 km] S)				
Pamplemousses district	Mauritius			
Pampramase	Ghana	ca.	6° 40' 00" N 2° 55' 00" W	
Pamu (see Dormaa Ahenkro)	Ghana		7° 17' 00" N 2° 53' 00" W	269 m
Panda	Mozambique		24° 03' 48" S 34° 43' 49" E	144 m
Panda (see Pande), near Likasi	Congo (Democratic Republic of the)		10° 37' 00" S 26° 50' 00" E	1140 m
Panda Camp (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Panda, 4 km N	Mozambique		24° 03' 00" S 34° 42' 00" E	
Pandam	Nigeria		9° 15' 00" N 7° 50' 00" E	525 m

Pandam Wildlife Park	Nigeria		8° 44' 00" N 8° 59' 00" E	
Pandam, lake (see also: Lake Pandam)	Nigeria		8° 39' 21" N 8° 58' 10" E	
Pandamatenga, 130 km SW	Botswana		19° 15' 00" S 24° 45' 00" E	
Pandamatenga, 140 km SW	Botswana		19° 15' 00" S 24° 45' 00" E	
Pande, near Likasi (see also: Panda)	Congo (Democratic Republic of the)		10° 37' 00" S 26° 50' 00" E	1140 m
Pandé, forest N of	Congo (Democratic Republic of the)	ca.	10° 37' 00" S 26° 50' 00" E	ca. 1100 m
Panga	Congo (Democratic Republic of the)		1° 51' 00" N 26° 25' 00" E	434 m
Panga Chilamouinani, near Fassi, 21.1 km N Moroni (see also: Moroni, 21.1 km N, Nyamaoui Panga)	Comoro Islands		11° 24' 26" S 43° 16' 58" E	80 m
Panga Chilamoviani, cave	Comoro Islands	ca.	11° 45' 00" S 43° 20' 00" E	
Panga Milembeni, near village of Dimadjou	Comoro Islands		11° 27' 22" S 43° 22' 32" E	670 m
Panga Pachwa Myembe, 9.2 km SE Moroni (see also: Moroni, 9.2 km SE)	Comoro Islands		11° 50' 10" S 43° 18' 21" E	200 m
Pangani Falls (see also: Great Pangani Falls)	Tanzania		5° 21' 00" S 38° 39' 00" E	
Pangani river	Tanzania		5° 26' 00" S 38° 58' 00" E	
Pangani, 30 km SW (see Genda Genda South Forest Reserve)	Tanzania		5° 34' 00" S 38° 38' 00" E	
Pange Juu cave	Tanzania		6° 16' 48" S 39° 27' 05" E	15 m
Pango La Mwana Moto	Kenya	ca.	4° 11' 00" S 39° 27' 00" E	
Panguma, 10 mi [=16 km] N	Sierra Leone		8° 17' 00" N 11° 06' 00" W	
Pania-Mutombo	Congo (Democratic Republic of the)		5° 11' 00" S 23° 51' 00" E	407 m
Pania-Mutombo (see Pania-Mutombo) (see also: Pania-Mutombo)	Congo (Democratic Republic of the)		5° 11' 00" S 23° 51' 00" E	407 m
Panisau (see Paniso)	Nigeria		11° 43' 00" N 7° 32' 00" E	634 m
Paniso (see also: Panisau)	Nigeria		11° 43' 00" N 7° 32' 00" E	634 m
Panyai (Thomas Modi's house)	South Sudan		3° 52' 54" N 31° 39' 40" E	935 m
Panyam [Fish Farm]	Nigeria		9° 25' 00" N 9° 13' 00" E	1252 m
Panyam, 2 mi [=3.2 km] S	Nigeria		9° 25' 00" N 9° 13' 00" E	
Panyaret river (see Marun river)	Kenya		1° 37' 08" N 35° 32' 35" E	2286 m
Paoni, N'Duye (see also: Pahoni)	Congo (Democratic Republic of the)		1° 58' 30" N 28° 52' 30" E	913 m
Papa Falls	Namibia		18° 07' 30" S 21° 37' 30" E	
Papase	Togo			
Papegi (see Pagegi)	Nigeria		8° 44' 00" N 5° 45' 00" E	80 m
Paraa (see also: Paraa Lodge, Paraa Safari Lodge)	Uganda		2° 17' 31" N 31° 34' 39" E	914 m
Paraa Lodge (see Paraa)	Uganda		2° 17' 31" N 31° 34' 39" E	914 m
Paraa Safari Lodge (see Paraa)	Uganda		2° 17' 31" N 31° 34' 39" E	914 m
Paradise Valley Nature Reserve	South Africa		29° 48' 00" S 30° 53' 00" E	274 m
Paradise, lake (see Sokorte Guda)	Kenya		2° 15' 44" N 37° 56' 07" E	
Paraetonium (see Marsá Matru?)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m
Parakou (see also: Paraku)	Benin		9° 21' 00" N 2° 37' 00" E	324 m
Parakou and Malanville, road between	Benin			
Paraku (see Parakou)	Benin		9° 21' 00" N 2° 37' 00" E	324 m
Parc National Albert (see Virunga National Park)	Congo (Democratic Republic of the)		1° 00' 00" S 29° 15' 00" E	
Parc National d' Ankarafatsika (see Ankarafatsika National Park)	Madagascar			
Parc National d'Ankarana (see Ankarana National Park)	Madagascar		12° 56' 31" S 49° 03' 18" E	
Parc National d'Azagny (see Azagny National Park)	Côte d'Ivoire		6° 13' 07" N 5° 15' 32" W	125 m
Parc National de Bemaraha (see Bemaraha National Park)	Madagascar		18° 45' 00" S 44° 50' 00" E	
Parc National de Bouna (see Comoé National Park)	Côte d'Ivoire		8° 49' 21" N 3° 35' 26" W	
Parc National de Garamba (see Garamba National Park)	Congo (Democratic Republic of the)		4° 10' 00" N 29° 30' 00" E	
Parc National de Kirindy-Mitea (see Tahiry Manokan' i Kirindy)	Madagascar		20° 52' 04" S 43° 54' 27" E	5 m
Parc National de la Comoé (see Comoé National Park)	Côte d'Ivoire		8° 49' 21" N 3° 35' 26" W	
Parc National de la Kagera (see Akagera Park)	Rwanda		1° 30' 00" S 30° 30' 00" E	
Parc National de la Komoé (see Comoé National Park)	Côte d'Ivoire		8° 49' 21" N 3° 35' 26" W	
Parc National de la Montagne d'Ambre, 5.5 km SW Joffreville [=Ambohitra] (see also: Ambohitra, 5.5 km SW, Ambre mountain National Park, Joffreville, 5.5 km SW, Mount Ambre National Park)	Madagascar		12° 31' 00" S 49° 10' 00" E	1000 m
Parc National de Mantadia, between PK 9 and PK 10 (see also: Mantadia National Park)	Madagascar		18° 48' 56" S 48° 25' 38" E	

Parc National de Mont Peko, 6 km W Sibabli (see also: Mount Peko National Park, Sibabli, 6 km W)	Côte d'Ivoire		6° 56' 00" N 7° 10' 00" W	
Parc National de Tai (see also: Taï National Park)	Côte d'Ivoire	ca.	5° 50' 00" N 7° 20' 50" W	
Parc National de Tsimanampetsotsa (see Tsimanampetsotsa Nature Reserve)	Madagascar		24° 07' 00" S 43° 45' 00" E	
Parc National de Zombitse-Vhibasia (see Zombitse-Vhibasia National Park)	Madagascar		22° 50' 31" S 44° 40' 47" E	
Parc National des Oiseaux du Djoudj (see Djoudj National Park)	Senegal		16° 24' 00" N 16° 15' 00" W	
Parc National d'Isalo (see Isalo National Park)	Madagascar		22° 27' 52" S 45° 15' 43" E	
Parc National d'Odzala (see Odzala National Park)	Congo		0° 53' 31" N 14° 50' 18" E	
Parc National du Faro (see Faro, Réserve)	Cameroon		8° 10' 00" N 12° 35' 00" E	
Parc National du Komoé (see Comoé National Park)	Côte d'Ivoire		8° 49' 21" N 3° 35' 26" W	
Parc Nationale du Niokolo-Koba (see Niokolo Koba national park)	Senegal		13° 00' 28" N 12° 54' 53" W	
Park National de Kundelungo (see Kundelungu National Park)	Congo (Democratic Republic of the)	ca.	10° 30' 00" S 27° 30' 00" E	
Park National de Post Office (see Pô National Park)	Burkina Faso		11° 20' 00" N 1° 10' 00" W	
Park National du Haut Niger (see also: Upper Niger National Park)	Guinea	ca.	10° 17' 06" N 10° 07' 20" W	
Park Rynie (see also: Renie Park, Rynie Park)	South Africa	ca.	30° 19' 00" S 30° 44' 00" E	
Park W[est]	Benin	ca.	12° 00' 00" N 2° 50' 00" E	
Park West	Niger		12° 36' 00" N 2° 29' 00" E	
Parniso, near Kano	Nigeria		12° 06' 00" N 8° 30' 00" E	
Parque Nacional da Gorongosa (see Gorongosa National Park)	Mozambique		18° 41' 25" S 34° 18' 49" E	
Parque Nacional de Caça (see Gorongosa National Park)	Mozambique		18° 41' 25" S 34° 18' 49" E	
Parsons Rust, Farm 465 (see Farm Parsons Rust 465), Vredefort	South Africa		26° 53' 00" S 27° 19' 00" E	
Pasandi (see Lumley Village), 10 km from Freetown	Sierra Leone		8° 27' 14" N 13° 16' 57" W	0 m
Pashuni cave	Tanzania		5° 52' 40" S 39° 18' 41" E	55 m
Passe de Soufa	Mauritania		15° 56' 14" N 12° 01' 19" W	
Passoré province	Burkina Faso			
Pate, island (see also: Patta, island)	Kenya		2° 06' 11" S 41° 03' 30" E	
Pategi (see also: Pagegi)	Nigeria		8° 44' 00" N 5° 45' 00" E	80 m
Patensie (see also: Patentie)	South Africa		33° 45' 20" S 24° 49' 06" E	142 m
Patentie (see Patensie)	South Africa		33° 45' 20" S 24° 49' 06" E	142 m
Paterson, 18.8 km N, 27.2 km W (see Farm Vygeboom 326)	South Africa		33° 16' 08" S 25° 40' 31" E	750 m
Patio Viuda de Mora (see Mallo and Mora, farm)	Equatorial Guinea		3° 45' 00" N 8° 50' 00" E	
Patsi, along Mroni Koki River	Comoro Islands		12° 09' 20" S 44° 26' 14" E	343 m
Patsi, 2.1 km SE (see Patsi, Mlima (hill), near)	Comoro Islands		12° 11' 10" S 44° 29' 00" E	690 m
Patsi, Mlima (hill), near, 2.1 km SE Patsi (see also: Mlima, near, Patsi, 2.1 km SE, Patsy, 2.1 km SE, Wilson, 2.1 km SE)	Comoro Islands		12° 11' 10" S 44° 29' 00" E	690 m
Patsy (see Moroni, 9.2 km SE), along Mroni Koki River	Comoro Islands		12° 09' 20" S 44° 26' 14" E	343 m
Patsy, 2.1 km SE (see Patsi, Mlima (hill), near)	Comoro Islands		12° 11' 10" S 44° 29' 00" E	690 m
Patta, island (see Pate, island)	Kenya		2° 06' 11" S 41° 03' 30" E	
Paul Cazelles (see Ain Oussera)	Algeria		35° 27' 05" N 2° 54' 21" E	683 m
Paul Town	Liberia		7° 00' 00" N 9° 40' 00" W	
Paulis (see Isiro)	Congo (Democratic Republic of the)		2° 46' 00" N 27° 37' 00" E	730 m
Paulpietersburg, 30 km NW (see Pongola Bush Nature Reserve)	South Africa	ca.	27° 19' 06" S 30° 30' 22" E	1404 m
Pawa, about 30 mi ENE Medje (see also: Medje, about 30 mi [=48 km] ENE)	Congo (Democratic Republic of the)		2° 31' 36" N 27° 42' 10" E	696 m
Pawalozo (see Kpawolozu)	Liberia		7° 36' 56" N 9° 45' 52" W	453 m
Paynesville (see also: Paynsville)	Liberia		6° 16' 32" N 10° 43' 04" W	24 m
Paynsville (see Paynesville)	Liberia		6° 16' 32" N 10° 43' 04" W	24 m
Payo (see also: Paio, Péio)	Togo		10° 14' 00" N 0° 43' 00" E	146 m
Pays des Rotsédy (see Rotsedy county)	Pays des Rotsédy			
Peahtah (see Piata)	Liberia		7° 12' 00" N 9° 48' 00" W	221 m
Peak Asbestos Mine, Mberengwa (see also: Peak Mine)	Zimbabwe		20° 40' 00" S 29° 50' 00" E	
Peak Mine (see Peak Asbestos Mine), Mberengwa	Zimbabwe		20° 40' 00" S 29° 50' 00" E	
Peddie	South Africa		33° 12' 00" S 27° 07' 00" E	300 m
Pedra Badejo	Cape Verde		15° 08' 00" N 23° 33' 00" W	
Peete village (see Pete village)	Tanzania		6° 17' 00" S 39° 25' 00" E	

Péio (see Payo)	Togo		10° 14' 00" N 0° 43' 00" E	146 m
Peki Aventile (see Avetile)	Ghana		6° 32' 00" N 0° 14' 00" E	307 m
Pelaneng, Lepaqoa	Lesotho		29° 07' 30" S 28° 22' 30" E	
Pelaneng River, along	Lesotho		29° 03' 00" S 28° 28' 00" E	2200 m
Pelenge, gorges	Congo (Democratic Republic of the)		8° 40' 12" S 26° 49' 48" E	
Pelotes	Côte d'Ivoire			
Pemba	Tanzania			
Pemba	Mozambique		13° 00' 23" S 40° 31' 25" E	
Pemba Bay	Mozambique		12° 56' 31" S 40° 27' 41" E	
Pemba island (see also: El Huthera island)	Tanzania		5° 10' 00" S 39° 48' 00" E	
Pemba North Region	Tanzania		5° 05' 00" S 39° 48' 00" E	
Pemba North region (see also: Kaskazini-Pemba region |PC:PN|)	Tanzania			
Pemba South region (see also: Kusini-Pemba region |PC:PS|)	Tanzania			
Pemba, SW of	Mozambique		13° 00' 23" S 40° 31' 25" E	
Pempere cave, 15 km S Likasi (see also: Grotte de Pempere, Pimpin cave)	Congo (Democratic Republic of the)		10° 58' 00" S 26° 47' 00" E	
Pempéré mountains	Congo (Democratic Republic of the)			
Penalice Farm	Zimbabwe			
Pendjari Biosphere Reserve (see also: Pendjari National Park)	Benin	ca.	11° 20' 00" N 1° 30' 00" E	
Pendjari National Park (see Pendjari Biosphere Reserve)	Benin	ca.	11° 20' 00" N 1° 30' 00" E	
Pene Bwebwe (see Nyangwe)	Congo (Democratic Republic of the)		4° 13' 00" S 26° 11' 00" E	507 m
Penge	Congo (Democratic Republic of the)		2° 48' 00" N 27° 55' 00" E	828 m
Penhalonga, Imbeza Valley	Zimbabwe		18° 53' 00" S 32° 41' 00" E	1521 m
Pennington [railroad siding], 48 km NE Port Shepstone (see also: Port Shepstone, 48 km NE, Shepstone, 48 km NE)	South Africa		30° 23' 00" S 30° 42' 00" E	
Peñon de Alhucemas island	Morocco		35° 12' 48" N 3° 53' 22" W	
Penrose Farm	Zimbabwe		17° 02' 00" S 30° 51' 00" E	
Pepercorn's cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Peperhoek, Farm 729 (see Farm Peperhoek 729), Fauresmith	South Africa		29° 37' 30" S 24° 22' 30" E	
Peppercorn Cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Peppercorn's cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Percy Fyfe Nature Reserve, Potgietersrus	South Africa		24° 03' 00" S 29° 08' 00" E	
Périnet (see Andasibe), E of Moramanga, Analamazaotra forest (see also: Périnet Railway Station)	Madagascar		18° 56' 00" S 48° 25' 00" E	
Périnet Railway Station (see Périnet)	Madagascar		18° 56' 00" S 48° 25' 00" E	
Périnet, 1 mi [=1.6 km] S	Madagascar	ca.	18° 56' 00" S 48° 25' 00" E	914 m
Périnet, 20 km SW (see Ambodiriana)	Madagascar		19° 01' 00" S 48° 21' 00" E	
Périnet, 3 km E	Madagascar	ca.	18° 56' 00" S 48° 25' 00" E	
Périnet, 30 km NE (see Junok)	Madagascar		18° 48' 00" S 48° 40' 00" E	975 m
Périnet, 5 km S	Madagascar	ca.	18° 56' 00" S 48° 25' 00" E	
Périnet, 8 km S	Madagascar	ca.	18° 56' 00" S 48° 25' 00" E	914 m
Perisi (see Pirisi)	Ghana		10° 07' 00" N 2° 27' 00" W	303 m
Perkeo, Farm 223KT (see Farm Perkeo 223KT)	South Africa		24° 28' 00" S 30° 36' 00" E	
Perna Perna Resort	South Africa		28° 22' 43" S 32° 24' 40" E	23 m
Perseverance Junction (see Pickford, Farm)	South Africa		33° 49' 00" S 25° 32' 00" E	
Petauke	Zambia		14° 15' 00" S 31° 20' 00" E	939 m
Pété (see Pété) (see also: Pété, Pété Olé)	Senegal		16° 13' 56" N 15° 07' 18" W	
Pété Olé (see Pété)	Senegal		16° 13' 56" N 15° 07' 18" W	
Pete village (see also: Peete village)	Tanzania		6° 17' 00" S 39° 25' 00" E	
Petifu, Port Loko Creek (see also: Port Lokko river, Port Loko Creek)	Sierra Leone		8° 35' 00" N 12° 57' 00" W	
Petit Batanga (see also: Klein Batanga, Little Batanga)	Cameroon		3° 11' 55" N 9° 55' 36" E	0 m
Petit Popo (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Petit seminaire de Mugeri (see Mugeri mission)	Congo (Democratic Republic of the)		2° 12' 00" S 28° 42' 00" E	1493 m
Petite Case Royale	Mauritius		20° 24' 03" S 57° 23' 00" E	
Pétoy (see Pétoye)	Burkina Faso		14° 35' 00" N 0° 22' 00" W	303 m
Pétoye (see also: Pétoy)	Burkina Faso		14° 35' 00" N 0° 22' 00" W	303 m

Petriky Forest, 5 - 7 km SE Manambaro (see also: Manambaro, 5 - km SE)	Madagascar		25° 04' 01" S 46° 52' 59" E	20 m
Petrusburg	South Africa		29° 07' 00" S 25° 25' 00" E	1263 m
Petrusville	South Africa		30° 04' 54" S 24° 39' 30" E	1189 m
Petrusville, 10.8 km S, 10.7 km E (see Farm Kleintuinfontein)	South Africa		30° 10' 42" S 24° 46' 13" E	3900 ft
Petrusville, 2.2 km N, 0.9 km E (see Farm Orange Grove)	South Africa		30° 03' 44" S 24° 40' 06" E	1173 m
Petrusville, 2.5 km N, 8.5 km E (see Rolfontein Nature Reserve)	South Africa		30° 04' 00" S 24° 45' 00" E	1175 m
Petrusville, 8.0 km E (see P.K. Le Roux Dam)	South Africa		30° 05' 00" S 24° 45' 00" E	1150 m
Péwa	Togo		9° 17' 00" N 1° 14' 00" E	618 m
PFNK	Congo (Democratic Republic of the)		4° 02' 00" N 29° 05' 00" E	
PFNK 15 and 17	Congo (Democratic Republic of the)		4° 25' 00" N 29° 47' 00" E	
PFNK.15 (see also: Piste Frontière Nord, km 15)	Congo (Democratic Republic of the)		4° 25' 00" N 29° 47' 00" E	
PFNK.16 (see also: Piste Frontière Nord, km 16)	Congo (Democratic Republic of the)		4° 25' 00" N 29° 47' 00" E	
PFSK 17 and 20	Congo (Democratic Republic of the)		4° 18' 00" N 29° 55' 00" E	
PFSK 8	Congo (Democratic Republic of the)		4° 20' 00" N 29° 51' 00" E	
PFSK.17 (see also: Piste Frontière Sud, km 17)	Congo (Democratic Republic of the)		4° 18' 00" N 29° 55' 00" E	
PFSK.20 (see also: Piste Frontière Sud, km 20)	Congo (Democratic Republic of the)		4° 18' 00" N 29° 55' 00" E	
PFSK.8 (see also: Piste Frontière Sud, km 8)	Congo (Democratic Republic of the)		4° 20' 00" N 29° 51' 00" E	
Phalaborwa Staff Village	South Africa		23° 56' 18" S 31° 09' 44" E	
Phalaborwa, 12 km E	South Africa		23° 57' 00" S 31° 07' 00" E	
Phalaborwa, 13 km S	South Africa		24° 03' 00" S 31° 06' 00" E	
Phalaborwa, 20 km S	South Africa	ca.	24° 06' 55" S 31° 04' 57" E	
Phalaborwa, 40 km N (see Letaba Ranch)	South Africa		23° 36' 44" S 31° 05' 20" E	
Phalombe district	Malawi			
Pharan (see Wa?at Fayran)	Egypt		28° 43' 07" N 33° 37' 13" E	
Phazania (see Fezzan)	Libya		16° 00' 00" N 14° 00' 00" E	
Philippolis	South Africa		30° 16' 00" S 25° 17' 00" E	1443 m
Phillipstrof	Tanzania			
Phinda Game Reserve	South Africa		27° 51' 49" S 32° 16' 29" E	
Phinda Game Reserve, cave 3	South Africa		27° 51' 17" S 32° 16' 32" E	
Phinda Game Reserve, Forest Lodge	South Africa		27° 46' 39" S 32° 20' 58" E	65 m
Phinda Mountain Lodge	South Africa		27° 53' 02" S 32° 16' 58" E	
Phinda Rock Lodge	South Africa		27° 52' 46" S 32° 16' 45" E	57 m
Phoenix, N of Durban	South Africa		29° 42' 14" S 31° 00' 13" E	
Piata (see also: Paiata, Peahtah, Piatah)	Liberia		7° 12' 00" N 9° 48' 00" W	221 m
Piatah (see Piata)	Liberia		7° 12' 00" N 9° 48' 00" W	221 m
Pic de Foko	Guinea		8° 29' 35" N 8° 53' 48" W	1289 m
Picard Island (see also: West Island)	Seychelle Islands		9° 22' 00" S 46° 13' 00" E	
Piche (see Pitche)	Guinea-Bissau		12° 20' 00" N 13° 57' 00" W	64 m
Pickford, Farm (see Pickford, Farm), 12 mi N Port Elizabeth (see also: Perseverance Junction, Pickford, Farm, Port Elizabeth, 12 mi N)	South Africa		33° 49' 00" S 25° 32' 00" E	
Picnic site	South Africa		22° 25' 00" S 31° 15' 00" E	
Pico Macambrara (see Macambrará)	São Tomé and Principé		0° 16' 00" N 6° 38' 00" E	1350 m
Pico Meponduine, near Zinave?	Mozambique			
Pico Papagio and Morro Fundão, hill between	São Tomé and Principé		1° 36' 44" N 7° 23' 25" E	
Pidigala Nord river	Congo (Democratic Republic of the)		4° 37' 00" N 29° 42' 00" E	
Pidigala river	Congo (Democratic Republic of the)		4° 35' 00" N 29° 32' 00" E	
Pierkat quarry (see Baya quarry)	Congo (Democratic Republic of the)		11° 52' 00" S 27° 27' 00" E	1279 m
Piet Retief	South Africa		27° 00' 00" S 30° 48' 00" E	1300 m
Pietermaritsburg (see Pietermaritzburg)	South Africa		29° 37' 00" S 30° 23' 00" E	
Pietermaritzburg (see also: Maritzburg, Pietermaritsburg)	South Africa		29° 37' 00" S 30° 23' 00" E	
Pietermaritzburg area	South Africa	ca.	29° 37' 00" S 30° 23' 00" E	
Pietermaritzburg University Campus	South Africa		29° 36' 00" S 30° 23' 00" E	670 m
Pietermaritzburg, 13.0 km E (see Doornhoek mine)	South Africa		29° 36' 00" S 30° 31' 00" E	535 m
Pietermaritzburg, 15 km N (see Saxony Cave)	South Africa		29° 28' 00" S 30° 20' 00" E	790 m

Pietermaritzburg, 15 km NNW (see Farm Otto's Bluff), Pietermaritzburg	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Pietermaritzburg, 16 km NNE	South Africa		29° 29' 00" S 30° 26' 48" E	
Pietermaritzburg, 18 km N	South Africa	ca.	29° 29' 23" S 30° 23' 27" E	
Pietermaritzburg, 2 km N (see Town Bush cave)	South Africa		29° 31' 00" S 30° 18' 00" E	
Pietermaritzburg, 20 km ENE	South Africa	ca.	29° 26' 31" S 30° 29' 23" E	
Pietermaritzburg, 23 km N (see Table Mountain Pothole)	South Africa		29° 36' 00" S 30° 36' 00" E	915 m
Pietermaritzburg, 25 km E (see Nagle Dam)	South Africa		29° 36' 00" S 30° 38' 00" E	365 m
Pietermaritzburg, 6 km S, 8 km E (see Ashburton, Farm)	South Africa		29° 40' 00" S 30° 28' 00" E	760 m
Pietersburg (see Polokwane)	South Africa		23° 54' 00" S 29° 27' 00" E	1281 m
Pietersburg, 40 - 46 km N (see Louis Trichardt Road)	South Africa		23° 03' 00" S 29° 54' 00" E	954 m
Pietersburg, 40 km N (see Polokwane, 40 km N), on Louis Trichard Road	South Africa		23° 36' 00" S 29° 40' 00" E	
Pietersburg, 5 km S (see Soekmekaar)	South Africa		23° 29' 00" S 29° 56' 00" E	1193 m
Pietersburg, farm near	South Africa	ca.	23° 54' 00" S 29° 27' 00" E	
Pigeon Valley (see Pigeon Valley Park), Durban	South Africa		29° 52' 00" S 31° 00' 00" E	96 m
Pigeon Valley Park, Durban, Glenwood (see also: Pigeon Valley)	South Africa		29° 51' 53" S 30° 59' 13" E	96 m
Piggs Peak (see also: Piggs Peak Mine, The Peak)	Swaziland		25° 58' 00" S 31° 15' 00" E	
Piggs Peak Mine (see Piggs Peak)	Swaziland		25° 58' 00" S 31° 15' 00" E	
Piketberg, 15.2 km N, 3.5 km W (see Farm Mouton's Valley A80)	South Africa		32° 46' 11" S 18° 43' 08" E	545 m
Piketburg (see Farm Groote Drift), SE Elandsbaai	South Africa		32° 26' 00" S 18° 27' 00" E	10 m
Pilanesberg Game Reserve (see also: Pilanesberg National Park, Pilanesburg Nature Reserve)	South Africa		25° 15' 00" S 27° 05' 00" E	
Pilanesberg National Park (see Pilanesberg Game Reserve)	South Africa		25° 15' 00" S 27° 05' 00" E	
Pilanesburg Nature Reserve (see Pilanesberg Game Reserve), Old mine audit	South Africa		25° 07' 30" S 27° 07' 30" E	
Pili Pili (see Pilipili)	Congo (Democratic Republic of the)		0° 33' 00" N 27° 44' 00" E	
Pilipili (see also: Pili Pili)	Congo (Democratic Republic of the)		0° 33' 00" N 27° 44' 00" E	
Pimpin cave (see Pempere cave), 15 km S Likasi	Congo (Democratic Republic of the)		10° 58' 00" S 26° 47' 00" E	
Pine Valley	Swaziland		26° 16' 12" S 31° 13' 48" E	
Pinehurst, Farm 291 (see Farm Pinehurst 291), Ladybrand	South Africa		29° 07' 30" S 27° 22' 30" E	
Pinetown	South Africa		29° 49' 00" S 30° 51' 00" E	
Pioniers Park, Windhoek	Namibia		22° 36' 00" S 17° 03' 51" E	1694 m
Pipeline cave	Kenya		0° 32' 21" S 36° 17' 40" E	
Pipistrelle Cave (see Farm Otjikoko Sud 61), 48 km ENE Omaruru	Namibia		21° 18' 00" S 16° 27' 00" E	
Pir Gourèy (see Pir Gourèye)	Senegal		15° 00' 17" N 16° 43' 19" W	42 m
Pir Gourèye (see also: Pir Gourèy, Piré Gourèye)	Senegal		15° 00' 17" N 16° 43' 19" W	42 m
Piré Gourèye (see Pir Gourèye)	Senegal		15° 00' 17" N 16° 43' 19" W	42 m
Pirie Forest, near King William's Town	South Africa		32° 46' 00" S 27° 15' 00" E	1100 m
Pirie Mission, 16 km NW King Williams Town (see also: King William's Town, 16 km NW)	South Africa		32° 47' 00" S 27° 13' 00" E	728 m
Pirie Trout hatchery, 13.9 km N, 9.9 km W King William's Town (see also: King William's Town, 13.9 km N, 9.9 km W)	South Africa		32° 45' 05" S 27° 17' 14" E	560 m
Pirisi (see also: Perisi)	Ghana		10° 07' 00" N 2° 27' 00" W	303 m
Pisa	Italy		43° 43' 00" N 10° 24' 00" E	
Piste Frontière Nord, km 15 (see PFNK.15)	Congo (Democratic Republic of the)		4° 25' 00" N 29° 47' 00" E	
Piste Frontière Nord, km 16 (see PFNK.16)	Congo (Democratic Republic of the)		4° 25' 00" N 29° 47' 00" E	
Piste Frontière Sud, km 17 (see PFSK.17)	Congo (Democratic Republic of the)		4° 18' 00" N 29° 55' 00" E	
Piste Frontière Sud, km 20 (see PFSK.20)	Congo (Democratic Republic of the)		4° 18' 00" N 29° 55' 00" E	
Piste Frontière Sud, km 8 (see PFSK.8)	Congo (Democratic Republic of the)		4° 20' 00" N 29° 51' 00" E	
Pita	Guinea		11° 05' 00" N 12° 25' 00" W	913 m
Pita area	Guinea	ca.	11° 05' 00" N 12° 25' 00" W	
Pita prefecture	Guinea			
Pitche (see also: Piche)	Guinea-Bissau		12° 20' 00" N 13° 57' 00" W	64 m
Pixley ka Seme district	South Africa			
Piyiri, 7 km N	Burkina Faso			
PK 9 and PK 10, between	Madagascar		18° 48' 56" S 48° 25' 38" E	

Plaines Wilhelms district	Mauritius			
Platbakkies, 6.6 km N, 5.8 km W (see Orrelgat cave)	South Africa		30° 15' 00" S 18° 26' 00" E	975 m
Platbos, Farm (see Farm Platbos), 32 km NW Vaalwater; Waterberg	South Africa		24° 13' 00" S 27° 52' 00" E	
Plateau Central region	Burkina Faso			
Plateau department	Benin			
Plateau state	Nigeria			
Plateaux departement	Congo			
Plateaux region	Togo			
Playa del Caã'On	Equatorial Guinea	ca.	0° 54' 57" N 9° 19' 06" E	
Playa Micolo (see Micolo), Agua Luzia	São Tomé and Principé		0° 24' 13" N 6° 41' 17" E	
Pleasant, mount (see Cullendale)	South Africa		32° 39' 00" S 26° 11' 00" E	685 m
Plettenberg Bay, 10.3 km N, 34.7 km E (see Lottering Forest Reserve)	South Africa		33° 57' 54" S 23° 44' 46" E	240 m
Plettenberg Bay, 6 km N, 2.5 km E (see Keurbooms Nature Reserve)	South Africa		34° 00' 00" S 23° 24' 00" E	20 m
PNA (see Virunga National Park)	Congo (Democratic Republic of the)		1° 00' 00" S 29° 15' 00" E	
Pô National Park (see also: Park National de Post Office, Post Office National Park)	Burkina Faso		11° 20' 00" N 1° 10' 00" W	
Podor	Senegal		16° 38' 56" N 14° 57' 39" W	11 m
Poenskop, 3.3 km N, 6.1 km E Port St. Johns (see also: Port St. Johns, 3.3 km N, 6.1 km E)	South Africa		31° 35' 39" S 29° 36' 21" E	4 m
Pofadder, 50 km N, 10 km E (see Farm Steyerskraal)	South Africa		28° 40' 00" S 19° 30' 00" E	500 m
Pogan (see Kpogan)	Togo		6° 10' 22" N 1° 22' 57" E	66 m
Poi, 2 mi [=3.2 km] N, Rift Valley	Ethiopia		4° 50' 00" N 35° 50' 00" E	
Poi, 2 mi [=3.2 km] N	Kenya		0° 45' 03" N 35° 49' 55" E	1524 m
Point Alice	Uganda			
Point Caravan Park	South Africa		31° 04' 00" S 30° 10' 00" E	5 m
Pointe à la Fièvre (see also: Fièvre Point, Pointe de la Fièvre)	Madagascar		13° 25' 00" S 48° 18' 00" E	
Pointe de la Fièvre (see Pointe à la Fièvre)	Madagascar		13° 25' 00" S 48° 18' 00" E	
Pointe Itapera (see Itapera, Pointe)	Madagascar		24° 54' 00" S 47° 08' 00" E	10 m
Pointe Itaperina (see Itapera, Pointe)	Madagascar		24° 54' 00" S 47° 08' 00" E	10 m
Pointe Noire (see Pointe-Noire)	Congo		4° 47' 41" S 11° 50' 46" E	1 m
Pointe Sarodrano	Madagascar		13° 16' 34" S 48° 12' 25" E	
Pointe-Noire (see also: Pointe Noire)	Congo		4° 47' 41" S 11° 50' 46" E	1 m
Pointe-Noire departement	Congo			
Pointe-Noire, 3 mi [=4.8 km] SE	Congo	ca.	4° 53' 00" S 11° 55' 00" E	
Poko (see also: Pokwo)	Ethiopia		8° 09' 00" N 34° 28' 00" E	539 m
Poko, on Bomokandi river	Congo (Democratic Republic of the)		3° 09' 00" N 26° 53' 00" E	641 m
Poko territory (see also: Poko zone)	Congo (Democratic Republic of the)	ca.	3° 09' 00" N 26° 53' 00" E	
Poko zone (see Poko territory)	Congo (Democratic Republic of the)	ca.	3° 09' 00" N 26° 53' 00" E	
Pokwo (see Poko)	Ethiopia		8° 09' 00" N 34° 28' 00" E	539 m
Poli	Cameroon		8° 29' 00" N 13° 15' 00" E	780 m
Polokwane (see also: Pietersburg)	South Africa		23° 54' 00" S 29° 27' 00" E	1281 m
Polokwane, 40 - 46 km N (see Louis Trichardt Road)	South Africa		23° 03' 00" S 29° 54' 00" E	954 m
Polokwane, 40 km N, on Louis Trichard Road (see also: Pietersburg, 40 km N)	South Africa		23° 36' 00" S 29° 40' 00" E	
Pom Pom Okovango	Botswana		19° 37' 30" S 22° 52' 30" E	
Pomoni (see also: Chirove primary school, Ecole primaire de Chirove, Pomony)	Comoro Islands		12° 16' 15" S 44° 23' 52" E	0 m
Pomony (see Pomoni)	Comoro Islands		12° 16' 15" S 44° 23' 52" E	0 m
Pondoland (see also: Pongoland)	South Africa		31° 20' 00" S 29° 30' 00" E	
Pongola, 9 Jan Kemlaan	South Africa		27° 23' 00" S 31° 37' 00" E	284 m
Pongola Biosphere Reserve, Mpalane Lodge, 25 km N Mkuze (see also: Mkuze, 25 km N, Mpalane Lodge)	South Africa	ca.	27° 23' 44" S 32° 04' 22" E	172 m
Pongola Bush Nature Reserve, 30 km NW Paulpietersburg (see also: Paulpietersburg, 30 km NW)	South Africa	ca.	27° 19' 06" S 30° 30' 22" E	1404 m
Pongola dam (see Pongolapoort Dam), Pongola, Jozini	South Africa		27° 25' 08" S 32° 04' 16" E	122 m
Pongola Nature Reserve	South Africa	ca.	27° 23' 44" S 32° 04' 22" E	
Pongola River Bridge, on Jozini - Kosi Road	South Africa		27° 02' 13" S 32° 15' 58" E	37 m
Pongola, 50 km SW (see Ithala Game Reserve)	South Africa		27° 33' 36" S 31° 12' 36" E	922 m
Pongoland (see Pondoland)	South Africa		31° 20' 00" S 29° 30' 00" E	

Pongolapoort Dam, Pongola, Jozini (see also: Pongola dam)	South Africa		27° 25' 08" S 32° 04' 16" E	122 m
Pongolapoortdam, Pongola, Jozini (see also: J.G. Strijdomdam, Jozini Dam, Jozini reservoir, Jozini, lake)	South Africa		27° 25' 00" S 31° 58' 00" E	122 m
Pong-Tamale (see also: Pung, Pung Tamale, Tamale)	Ghana		9° 41' 06" N 0° 49' 57" W	146 m
Poni province	Burkina Faso			
Pont de Balthazar, 2.2 km SSW La Possession (see also: La Possession, 2.2 km SSW)	Réunion		20° 56' 44" S 55° 19' 51" E	40 m
Pont Makabay	Cameroon		10° 34' 24" N 14° 16' 55" E	420 m
Pont Rouge	Cameroon		10° 35' 48" N 14° 18' 54" E	402 m
Pont Vert	Cameroon		10° 35' 58" N 14° 20' 15" E	404 m
Ponta Barra Bobo and Praia da Mutamba, coast roast between	São Tomé and Principé		0° 23' 30" N 6° 36' 03" E	
Ponta Boa Esperança (see also: Boa Esperança, Ponta Robalo)	Guinea-Bissau		11° 53' 00" N 15° 46' 00" W	22 m
Ponta de Marques Mano	Guinea-Bissau		11° 52' 00" N 15° 46' 00" W	
Ponta Delgada province	Azores [Portugal]	ca.	37° 44' 00" N 25° 40' 00" W	
Ponta Robalo (see Ponta Boa Esperança)	Guinea-Bissau		11° 53' 00" N 15° 46' 00" W	22 m
Pool	Algeria			
Pool departement	Congo			
Pool Malebo (see Stanley Pool)	Congo		4° 11' 22" S 15° 26' 19" E	
Pope Pius X Seminary (see Ngongera), 22 km W Tororo, Bukedi	Uganda		0° 46' 00" N 34° 02' 00" E	1071 m
Popokabaka, via Inkisi	Congo (Democratic Republic of the)		5° 42' 00" S 16° 35' 00" E	485 m
Popokabaka territory	Congo (Democratic Republic of the)		5° 42' 00" S 16° 35' 00" E	
Porga	Benin		11° 02' 56" N 0° 58' 21" E	151 m
Poro region	Côte d'Ivoire			
Poroani	Mayotte		12° 53' 37" S 45° 08' 33" E	10 m
Poroto mountains	Tanzania		9° 00' 00" S 33° 45' 00" E	
Port Alfred (see also: Kowie, The Kowie)	South Africa		33° 36' 00" S 26° 54' 00" E	30 m
Port Beaver (see Bolama)	Guinea-Bissau		11° 35' 00" N 15° 28' 00" W	0 m
Port Chaltin (see Aketi)	Congo (Democratic Republic of the)		2° 50' 00" N 23° 56' 00" E	ca. 500 m
Port Clarence (see Malabo)	Equatorial Guinea		3° 45' 04" N 8° 44' 31" E	0 m
Port Dawnford	Kenya			
Port de Faux Cap (see Betanty)	Madagascar		25° 34' 00" S 45° 31' 00" E	34 m
Port de Kindu (see Kindu)	Congo (Democratic Republic of the)		2° 57' 00" S 25° 57' 00" E	504 m
Port Durnford	South Africa		28° 54' 00" S 31° 49' 00" E	41 m
Port Durnford Forest Reserve	South Africa		28° 53' 00" S 31° 51' 00" E	
Port Edward	South Africa		31° 03' 03" S 30° 13' 41" E	
Port Edward area	South Africa	ca.	31° 04' 00" S 30° 10' 00" E	
Port Elisabeth	South Africa		33° 58' 00" S 25° 35' 00" E	29 m
Port Elisabeth, 20 mi [=32 km] W (see Farm Nico Smith)	South Africa		33° 59' 12" S 25° 17' 48" E	
Port Elisabeth, 20 mi [=32 km] W (see Maitland Mines)	South Africa	ca.	33° 59' 12" S 25° 17' 48" E	
Port Elisabeth, 26 mi [=42 km] W (see Van Staden's Valley)	South Africa		33° 54' 00" S 25° 12' 00" E	430 m
Port Elizabeth	South Africa	ca.	33° 58' 00" S 25° 38' 00" E	29 m
Port Elizabeth, 12 mi N (see Pickford, Farm)	South Africa		33° 49' 00" S 25° 32' 00" E	
Port Florence (see Kisumu)	Kenya		0° 06' 00" S 34° 45' 00" E	1131 m
Port Herald (see Nsanje), District HQ	Malawi		16° 55' 00" S 35° 16' 00" E	14 m
Port Ingles (see Vila do Maio)	Cape Verde		15° 08' 00" N 23° 13' 00" W	4 m
Port Isongo (see Isongo)	Cameroon		4° 04' 44" N 9° 01' 26" E	5 m
Port Lokko river (see Petifu)	Sierra Leone		8° 35' 00" N 12° 57' 00" W	
Port Loko Creek (see Petifu)	Sierra Leone		8° 35' 00" N 12° 57' 00" W	
Port Louis (see also: Port Louis Town)	Mauritius		20° 09' 43" S 57° 29' 56" E	125 m
Port Louis district	Mauritius			
Port Louis Town (see Port Louis)	Mauritius		20° 09' 43" S 57° 29' 56" E	125 m
Port Natal (see Durban)	South Africa		29° 51' 00" S 31° 01' 00" E	
Port Natal, near (see Durban, near)	South Africa	ca.	29° 52' 00" S 31° 00' 00" E	
Port Nolloth	South Africa		29° 16' 00" S 16° 52' 00" E	10 m
Port Nolloth, 15 mi [=24 km] inland	South Africa		29° 17' 00" S 16° 51' 00" E	
Port Reitz, Mombasa	Kenya		4° 03' 00" S 39° 37' 00" E	
Port Robert (see Robertsport)	Liberia		6° 45' 19" N 11° 22' 07" W	158 m
PortPC:BS|)	Egypt			
Port Said, 10 mi [=16 km] S (see Lake Manzala)	Egypt		31° 17' 00" N 32° 18' 00" E	
Port Said, 8 km S	Egypt	ca.	31° 17' 00" N 32° 18' 00" E	
Port Saint John's (see also: Port Saint Johns, Port St. Johns, Umzimbuvu)	South Africa		31° 38' 00" S 29° 32' 00" E	121 m
Port Saint Johns (see Port Saint John's)	South Africa		31° 38' 00" S 29° 32' 00" E	121 m

Port São Tomé (see also: Port Sao Tome)	São Tomé and Principé			
Port Sao Tome (see Port São Tomé)	São Tomé and Principé			
Port Shepstone	South Africa		30° 44' 29" S 30° 27' 18" E	0 m
Port Shepstone, 16 mi [=26 km] NE (see Umzumbi Mission)	South Africa	ca.	30° 34' 00" S 30° 26' 00" E	
Port Shepstone, 48 km NE (see Pennington [railroad siding])	South Africa		30° 23' 00" S 30° 42' 00" E	
Port St. Johns (see Port Saint John's)	South Africa		31° 38' 00" S 29° 32' 00" E	121 m
Port St. Johns, 3.3 km N, 6.1 km E (see Poenskop)	South Africa		31° 35' 39" S 29° 36' 21" E	4 m
Port Sudan (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Port Victoria (see Victoria)	Seychelle Islands		4° 37' 00" S 55° 27' 00" E	0 m
Port-Empain (see Kindu)	Congo (Democratic Republic of the)		2° 57' 00" S 25° 57' 00" E	504 m
Port-Gentil	Gabon		0° 43' 00" S 8° 47' 00" E	1 m
Porto Inglez (see Vila do Maio)	Cape Verde		15° 08' 00" N 23° 13' 00" W	4 m
Porto Mansoa (see Mansôa)	Guinea-Bissau		12° 04' 24" N 15° 19' 08" W	3 m
Porto Novas (see Porto-Novo)	Benin		6° 29' 00" N 2° 37' 00" E	38 m
Porto Novo National Botanical Garden (see Porto-Novo)	Benin		6° 29' 00" N 2° 37' 00" E	38 m
Porto Real, Esperanza (see also: Puerto Real)	São Tomé and Principé		1° 37' 26" N 7° 24' 19" E	
Porto-Novo (see also: Borto-Novo, Porto Novas, Porto Novo National Botanical Garden, Portus Novus)	Benin		6° 29' 00" N 2° 37' 00" E	38 m
Porto-Novo or Abomey	Benin			
Porto-Segouro	Togo		6° 12' 05" N 1° 28' 44" E	65 m
Porto-Séguro	Togo		6° 12' 05" N 1° 28' 44" E	65 m
Portus Novus (see Porto-Novo)	Benin		6° 29' 00" N 2° 37' 00" E	38 m
Porura (see Aflao)	Ghana		6° 07' 04" N 1° 11' 34" E	61 m
Post Office National Park (see Pô National Park)	Burkina Faso		11° 20' 00" N 1° 10' 00" W	
Postberg Nature Reserve, Langebaan	South Africa		33° 07' 00" S 18° 00' 00" E	
Poste Forestier de Farankaraina, Mahalevona, 7.5 km SW	Madagascar		15° 25' 42" S 49° 50' 43" E	50 m
Postmasburg, 25 km ENE (see Farm Mimosa 454)	South Africa		28° 11' 00" S 23° 19' 00" E	
Postmasburg, 5.5 km NE (see Gatkoppies)	South Africa		28° 18' 00" S 23° 07' 00" E	
Posto Inhaca	Mozambique		26° 04' 00" S 32° 58' 00" E	
Potchefstroom, Potchefstroom; Kleinfontein	South Africa		26° 43' 00" S 27° 06' 00" E	1341 m
Potchefstroom, 14 km SSE (see Farm Nooitgedacht 508)	South Africa		26° 55' 12" S 27° 10' 12" E	
Potchefstroom, 24 km E (see Farm Witpoort 419)	South Africa		26° 39' 00" S 27° 20' 00" E	
Potchefstroom, 24 km N (see Frederikstad)	South Africa		26° 30' 00" S 27° 09' 00" E	
Potgietersrus	South Africa		24° 11' 00" S 29° 01' 00" E	1204 m
Potgietersrus, 16 km NE (see Farm Makapansgat 39)	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Potgietersrus, 20 km N (see Wonderkop Nature Reserve)	South Africa		23° 12' 50" S 28° 39' 30" E	
Potgietersrus, 24 km SE (see Farm Modderfontein)	South Africa		24° 20' 00" S 29° 12' 00" E	
Potgietersrus, 25 km ESE (see Farm Groothoek 99)	South Africa		24° 21' 00" S 29° 07' 48" E	
Potgietersrus, 37 km NW (see Ubumanzi Game Farm)	South Africa		24° 12' 00" S 28° 35' 00" E	
Potgietersrus, 5 km N	South Africa		24° 08' 00" S 29° 00' 00" E	
PPK 51 and 56	Congo (Democratic Republic of the)		4° 06' 00" N 29° 25' 00" E	
PPK 72	Congo (Democratic Republic of the)		4° 14' 00" N 29° 31' 00" E	
PPK.10	Congo (Democratic Republic of the)		3° 46' 00" N 29° 29' 00" E	
PPK.51	Congo (Democratic Republic of the)		4° 06' 00" N 29° 25' 00" E	
PPK.78	Congo (Democratic Republic of the)		4° 19' 00" N 29° 35' 00" E	
Pra Suhien Forest Reserve	Ghana		5° 19' 10" N 1° 26' 49" W	
Praderas Asonga (see Bata)	Equatorial Guinea		1° 51' 00" N 9° 45' 00" E	
Praia das Conchas, 3 km NW Guadalupe (see also: Guadalupe, 3 km NW)	São Tomé and Principé		0° 23' 00" N 6° 37' 00" E	188 m
Praia de Mutamba, 50 m inland coast road	São Tomé and Principé		0° 23' 41" N 6° 36' 16" E	
Pran (see Prang)	Ghana		7° 59' 00" N 0° 53' 00" W	111 m
Prang (see also: Pran)	Ghana		7° 59' 00" N 0° 53' 00" W	111 m
Praslin Island	Seychelle Islands		4° 19' 00" S 55° 44' 00" E	
Préfecture d'Anécho (see Préfecture d'Aného)	Togo		6° 22' 00" N 1° 40' 00" E	
Préfecture d'Aného (see also: Anécho, cercle de, Anécho, prefecture, Aného prefecture, Aného, circonscription de, Cercle d'Anécho, Circonscription d'Aného, Lacs prefecture, Préfecture d'Anécho, Préfecture des Lacs)	Togo		6° 22' 00" N 1° 40' 00" E	

Préfecture de Bassar (see also: Bassar prefecture, Bassar, circonscription de , Bassari, cercle de , Bassari, circonscription de , Cercle de Bassari, Circonscription de Bassar, Circonscription de Bassari, Circonscription de Katcha, Katcha, circonscription de)	Togo		9° 15' 00" N 0° 45' 00" E	
Préfecture de Doufelgou (see also: Circonscription de Niamtougou, Doufelgou prefecture, Niamtougou, circonscription de)	Togo		9° 50' 00" N 1° 05' 00" E	
Préfécture de Haho (see also: Circonscription de Notsé, Circonscription de Nuatja, Haho prefecture, Notsé, circonscription de, Nouatja, Nuatja subdivision, Nuatja, circonscription de, Nuatjo, Subdivision de Nuatja)	Togo		7° 05' 00" N 1° 15' 00" E	
Préfecture de Kloto (see also: Circonscription de Klouto, Kloto prefecture, Klouto, circonscription de)	Togo		7° 05' 00" N 0° 45' 00" E	
Préfecture de Tone (see also: Cercle de Dapango, Circonscription de Dapango, Circonscription de Dapaong, Dapango, cercle de, Dapango, circonscription de, Dapaong, circonscription de)	Togo		10° 55' 00" N 0° 10' 00" E	
Préfecture des Lacs (see Préfecture d'Aného)	Togo		6° 22' 00" N 1° 40' 00" E	
Prestea, 32 mi [=51.5 km] W (see also: Esamang, 32 mi [=51.5 km] W)	Ghana		5° 23' 00" N 2° 28' 00" W	
Pretoria	South Africa		25° 42' 25" S 28° 13' 46" E	1271 m
Pretoria - Kameeldrif, between	South Africa	ca.	25° 43' 18" S 28° 03' 36" E	
Pretoria Boy's High School	South Africa		25° 45' 31" S 28° 13' 47" E	1368 m
Pretoria district	South Africa	ca.	25° 42' 25" S 28° 13' 46" E	
Pretoria North, Pretoria	South Africa		25° 39' 44" S 28° 09' 55" E	1222 m
Pretoria Zoo's farm, 6 km NE Lichtenburg (see also: Lichtenburg, 6 km NE)	South Africa		26° 07' 00" S 26° 12' 00" E	
Pretoria, 17 km W (see Schurweberg)	South Africa		25° 48' 39" S 28° 00' 27" E	
Pretoria, 19 km NE (see Farm Baviaanspoort 330)	South Africa		25° 40' 48" S 28° 21' 36" E	
Pretoria, 21 km NE (see Baviaanspoort Sewage Works)	South Africa		25° 41' 25" S 28° 21' 47" E	
Pretoria, 30 mi [=48 km] SW	South Africa	ca.	25° 59' 07" S 27° 57' 57" E	
Pretoria, 30 mi [=48 km] WSW (see Farm Uitkomst 499), Krugersdorp	South Africa		25° 54' 00" S 27° 46' 00" E	
Pretoria, 32 mi [=51 km] W (see Farm Uitkomst 499)	South Africa		25° 54' 00" S 27° 46' 00" E	
Pretoria, 32.6 km from (see Farm Ohkotso), on Molopo Road	South Africa		25° 37' 00" S 28° 37' 00" E	
Pretoria, 6 mi [=9.6 km] W	South Africa	ca.	25° 44' 44" S 28° 05' 09" E	
Pretoria, near	South Africa			
Pretorius Kop Rest Camp (see Pretoriuskop)	South Africa		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop (see also: Pretorius Kop Rest Camp, Pretoriuskop Rest Camp, Pretoriuskop Ruskamp)	South Africa		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop Rest Camp (see Pretoriuskop)	South Africa		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop Ruskamp (see Pretoriuskop)	South Africa		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop section	South Africa		25° 03' 38" S 31° 19' 19" E	
Pretty View, Farm (see Farm Pretty View)	South Africa		32° 29' 49" S 26° 42' 14" E	850 m
Prieska, 20 km SE (see Farm Keikamspoort 71)	South Africa		29° 53' 00" S 22° 52' 00" E	
Prince (see Princes Town)	Ghana		4° 47' 36" N 2° 08' 04" W	0 m
Prince Albert, 3.7 km S, 3.2 km W (see Farm Scholtze Kloof 154)	South Africa		33° 15' 36" S 21° 59' 47" E	675 m
Prince Albert, 4.0 km S, 13.9 km W (see Farm Vrisgewaagd 152)	South Africa		33° 15' 47" S 21° 52' 57" E	600 m
Prince Said Ibrahim airport, 0.5 km N of entrance gate (see Moroni-Hahaïa airport, 0.5 km N of entrance gate)	Comoro Islands		11° 31' 46" S 43° 25' 12" E	15 m
Princes Town (see also: Fort Bladenburg, Prince, Princes Town, 7 mi [=11.3 km] N)	Ghana		4° 47' 36" N 2° 08' 04" W	0 m
Princes Town, 7 mi [=11.3 km] N (see Princes Town) (see also: Prince's Town, 7 mi [=11.3 km] N)	Ghana	ca.	4° 53' 44" N 2° 08' 29" W	0 m
Prince's Town, 7 mi [=11.3 km] N (see Princes Town, 7 mi [=11.3 km] N)	Ghana	ca.	4° 53' 44" N 2° 08' 29" W	
Princess Town, 6 mi [=9.7 km] N (see Animakrom)	Ghana		4° 50' 12" N 2° 04' 46" W	73 m
Principe (see Principé island)	São Tomé and Principé	ca.	1° 37' 00" N 7° 25' 00" E	
Principé island (see also: Principe)	São Tomé and Principé	ca.	1° 37' 00" N 7° 25' 00" E	

Pristia Mines	Ghana		
Projet OIBT trail (PK 24), 28 km ESE Minvoul (see also: Minvoul, 28 km ESE)	Gabon	2° 05' 12" N 12° 22' 30" E	600 m
Projet OIBT trail (PK 29), 31 km ESE Minvoul (see also: Minvoul, 31 km ESE)	Gabon	2° 04' 48" N 12° 24' 24" E	600 m
Puente de Fomento (see Caotina)	Morocco	35° 11' 44" N 5° 18' 32" W	508 m
Puento Fomento (see Caotina)	Morocco	35° 11' 44" N 5° 18' 32" W	508 m
Puerto Real (see Porto Real)	São Tomé and Principé	1° 37' 26" N 7° 24' 19" E	
Pugu Forest Reserve	Tanzania	6° 53' 00" S 39° 05' 00" E	
Pugu hills	Tanzania	6° 53' 00" S 39° 05' 00" E	152 m
Pujini village (see also: Mwanamakuku cave)	Tanzania	5° 18' 00" S 39° 48' 00" E	1 m
Pulima	Ghana	10° 51' 00" N 2° 03' 00" W	306 m
Punda Malia (see Punda Maria)	South Africa	22° 41' 00" S 31° 01' 00" E	580 m
Punda Maliya (see Punda Maria)	South Africa	22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria (see also: Punda Malia, Punda Maliya, Punda Maria Camp, Punda Maria Rest Camp, Punda Maria-ruskamp)	South Africa	22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria Camp (see Punda Maria)	South Africa	22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria camp, 2 km N	South Africa	22° 41' 00" S 31° 02' 00" E	
Punda Maria Rest Camp (see Punda Maria)	South Africa	22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria Shop	South Africa	22° 44' 15" S 31° 00' 32" E	
Punda Maria, 15 km E	South Africa	22° 41' 00" S 31° 02' 00" E	
Punda Maria, 18 km SE (see Magamba windmill)	South Africa	22° 25' 00" S 31° 11' 30" E	
Punda Maria, 2.5 km NE (see Maditobe Dam), Mahogany Drive	South Africa	22° 41' 00" S 31° 02' 00" E	
Punda Maria, 3 km NW (see Maditobe Pan)	South Africa	22° 41' 00" S 31° 02' 00" E	
Punda Maria, 5 km NW (see Shashanga windmill)	South Africa	22° 39' 00" S 30° 59' 00" E	
Punda Maria, 7 km N (see Mahembane)	South Africa	22° 39' 00" S 31° 02' 00" E	
Punda Maria-ruskamp (see Punda Maria)	South Africa	22° 41' 00" S 31° 01' 00" E	580 m
Punda Milia, near Punda Maria (see also: Punda Milia Camp, Punda Milia Police post, Punda Milia, pumphouse)	South Africa	22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia Camp (see Punda Milia)	South Africa	22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia Police post (see Punda Milia)	South Africa	22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia, 16 km NNE (see Tshalungwa Fountain)	South Africa	22° 32' 56" S 31° 04' 22" E	
Punda Milia, 2 km N (see Mahogany Drive)	South Africa	22° 40' 36" S 31° 01' 07" E	
Punda Milia, 5 km NW (see Matukwala Dam)	South Africa	22° 40' 56" S 30° 57' 46" E	
Punda Milia, pumphouse (see Punda Milia)	South Africa	22° 41' 51" S 31° 01' 12" E	580 m
Pung (see Pong-Tamale)	Ghana	9° 41' 06" N 0° 49' 57" W	146 m
Pung Tamale (see Pong-Tamale)	Ghana	9° 41' 06" N 0° 49' 57" W	146 m
Pungo Andongo	Angola	9° 40' 00" S 15° 35' 00" E	916 m
Pungwe River	Zimbabwe	18° 29' 00" S 32° 59' 00" E	
Pungwe-Ruva confluence	Zimbabwe	18° 25' 00" S 32° 47' 00" E	
Punta Lucinda	Equatorial Guinea	3° 44' 53" N 8° 40' 45" E	
Putnam, camp (see Camp Putnam)	Congo (Democratic Republic of the)	1° 24' 00" N 28° 35' 00" E	675 m
Pwani region	Tanzania		
Pweto	Congo (Democratic Republic of the)	8° 28' 00" S 28° 54' 00" E	951 m
Pweto territory	Congo (Democratic Republic of the)	8° 28' 00" S 28° 54' 00" E	
Pwira Pan	Zambia	13° 54' 00" S 27° 51' 00" E	
Pyramid Camp	Kenya	0° 18' 34" N 36° 04' 34" E	
Python Pool	Swaziland	26° 11' 30" S 32° 00' 18" E	160 m
Qabes (see Gabès), Qabis province	Tunisia	33° 53' 00" N 10° 07' 00" E	0 m
Qabis (see Gabès), Qabis province	Tunisia	33° 53' 00" N 10° 07' 00" E	0 m
Qacha's Nek district (see also: Quacha's Neck district |PC:QN|, Quacha's Nek district |PC:QN|)	Lesotho		
Qafsah (see Gafsa)	Tunisia	34° 25' 30" N 8° 47' 03" E	297 m
QafsaPC:GF|)	Tunisia		
Qallabat (see also: Al Qallabat, Gallabat)	Sudan	12° 58' 00" N 36° 09' 00" E	725 m
Qamudah valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia	35° 02' 25" N 9° 29' 37" E	312 m
Qandala (see also: Candala, Kandala)	Somalia	11° 28' 16" N 49° 52' 26" E	2 m
Qartajannah (see Carthage)	Tunisia	36° 51' 15" N 10° 19' 49" E	0 m
Qarun, lake (see Birkat Qarun)	Egypt	29° 28' 29" N 30° 39' 55" E	
Qasr al Maqdam (see also: Gasr Béni Gdem, Qasr Bani Qadam, Qasr Maqdam)	Libya	32° 38' 00" N 21° 36' 00" E	

Qasr ash Shahdayn (see also: Gasr esc-Sciandèn)	Libya		32° 37' 00" N 21° 35' 00" E	
Qasr Bani Qadam (see Qasr al Maqdam)	Libya		32° 38' 00" N 21° 36' 00" E	
Qasr Maqdam (see Qasr al Maqdam)	Libya		32° 38' 00" N 21° 36' 00" E	
Qattah	Egypt		22° 43' 00" N 32° 04' 00" E	172 m
QenaPC:QN|)	Egypt			
Qibili (see Kebili), Nefzaoua	Tunisia		33° 42' 07" N 8° 58' 25" E	34 m
Qina governorate (see also: Qena governorate |PC:QN|, Qina governorate |PC:QN|)	Egypt			
QinaPC:QN|)	Egypt			
Qoabendus	Namibia		19° 17' 00" S 14° 31' 00" E	1205 m
Qosier (see Al Qusayr)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Qosseir (see Al Qusayr)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
QuachPC:QN|)	Lesotho			
QuachPC:QN|)	Lesotho			
Quaggas Hoek (Farm), Mutare	Zimbabwe		19° 34' 00" S 32° 45' 00" E	
Quagg's Hoek, Mutare	Zimbabwe		19° 34' 00" S 32° 45' 00" E	
Quallen (oasis)	Algeria			
Quaranbaliyah (see Grombalia)	Tunisia		36° 35' 59" N 10° 29' 59" E	57 m
Quartier de Badalabougou (see Badalabougou)	Mali		12° 37' 25" N 7° 59' 02" W	311 m
Quasr Shadane	Libya		32° 36' 00" N 21° 34' 00" E	
Quatorze, 14 km N Boende, by road (see also: Boende, 14 km N by road)	Congo (Democratic Republic of the)		0° 10' 04" N 20° 55' 34" E	326 m
Quedas do Ruacaná (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	3350 ft
Quedas Montenegro (see Epupa Falls), Cunene River	Namibia		17° 00' 00" S 13° 15' 00" E	
Queen Elizabeth National Park (see Ruwenzori National Park)	Uganda		0° 15' 00" S 30° 11' 11" E	
Queen Elizabeth Park, Pietermaritzburg	South Africa		29° 33' 00" S 30° 19' 00" E	
Queen Elizabeth Park (see Ruwenzori National Park)	Uganda		0° 15' 00" S 30° 11' 11" E	
Queen Hatchipsat Tomb	Egypt		25° 41' 00" N 32° 39' 00" E	
Queensburgh	South Africa		29° 51' 00" S 30° 54' 00" E	
Queenswood, Pretoria	South Africa		25° 44' 00" S 28° 15' 00" E	1369 m
Queir	Egypt			
Quela, 5 km N (see also: Kela, 5 km N)	Angola		9° 13' 17" S 17° 05' 00" E	
Quelimane (see also: Quilimane)	Mozambique		17° 52' 43" S 36° 53' 18" E	0 m
Quellimane, 12 mi [=19 km] NW (see Boror)	Mozambique	ca.	17° 52' 00" S 36° 53' 00" E	
Quiapiple, Kran, west Upper Cess River (see also: Biabli, Kpeaplay, Kpeaple)	Liberia		6° 36' 12" N 8° 32' 25" W	189 m
Quiçama cave (see also: Kissama cave)	Angola	ca.	9° 40' 00" S 13° 45' 00" E	
Quiçama National Park	Angola	ca.	9° 40' 00" S 13° 45' 00" E	
Quickborn	Namibia		21° 07' 00" S 17° 07' 00" E	
Quilimane (see Quelimane)	Mozambique		17° 52' 43" S 36° 53' 18" E	0 m
Quinara region	Guinea-Bissau			
Quittah (see Keta)	Ghana		5° 55' 00" N 0° 59' 00" E	48 m
Quranbaliyah (see Grombalia)	Tunisia		36° 35' 59" N 10° 29' 59" E	57 m
Qurunbaliyah (see Grombalia)	Tunisia		36° 35' 59" N 10° 29' 59" E	57 m
Quseir (see Al Qusayr)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Quthing district	Lesotho			
Quthing, 10 mi [=16 km] NE (see also: Fort Hartley, 10 mi [=16 km] NE, Moyeni, 10 mi [=16 km] NE)	Lesotho		30° 20' 00" S 27° 45' 00" E	
Qwa-Qwa National Park, Schuinskop	South Africa		28° 22' 30" S 28° 52' 30" E	
Qwa-Qwa National Park (see Golden Gate Highlands National Park)	South Africa		28° 30' 15" S 28° 36' 09" E	
Ra's at Tib (see Cape Bon)	Tunisia		37° 05' 00" N 11° 02' 20" E	
Ra's Maddar (see Cape Bon)	Tunisia		37° 05' 00" N 11° 02' 20" E	
Raas Boqol iyoToban (see Raas Boqol iyoToban iyo Afar), 5.5 km S, 11.5 km W Gesira	Somalia		1° 54' 12" N 45° 04' 57" E	
Raas Boqol iyoToban iyo Afar, 5.5 km S, 11.5 km W Gesira (see also: El Amha cave, Gesira , 5.5 km S, 11.5 km W, Raas Boqol iyoToban)	Somalia		1° 54' 12" N 45° 04' 57" E	
Raba (see Rabai), Mombassa, near	Kenya		3° 56' 00" S 39° 34' 00" E	700 ft
Rabai, Mombassa, near (see also: Raba, Ravai)	Kenya		3° 56' 00" S 39° 34' 00" E	700 ft
Rabat	Morocco		34° 00' 50" N 6° 50' 39" W	24 m
Rabat - Salé - Zemmour - Zaer (former) region	Morocco			
Rabat prefecture	Morocco			
Rabat, 17 km SE	Morocco		33° 49' 00" N 7° 02' 00" W	
Rabat-Salé-Kénitra region	Morocco			
Rabi 59 site	Gabon		1° 57' 00" S 9° 52' 01" E	
Rabi Oil Field	Gabon		1° 52' 01" S 9° 52' 59" E	
Rabi Oil Field, 3 km N airport terminal	Gabon		1° 55' 01" S 9° 52' 59" E	

Rabi Oil Field, 6 km N airport terminal	Gabon		1° 52' 01" S 9° 52' 59" E	
Raca Camele, North of Quionlungo	Algeria			
Rachidia prefecture (see Errachidia prefecture)	Morocco			
Rackpoort Guano Cave (see Rockport Guano Cave)	South Africa			
Raffile	Sudan			
Raffili, 90 mi [=145 km] S Wau (see also: Rafili, Wau, 90 mi [=145 km] S)	South Sudan		6° 51' 00" N 27° 59' 00" E	463 m
Rafili (see Raffili), 90 mi [=145 km] S Wau	South Sudan		6° 51' 00" N 27° 59' 00" E	463 m
Rafin Dinya (see Tungan-Rafin-Dinya)	Nigeria		9° 45' 32" N 7° 27' 05" E	544 m
Raga, 200 mi W Wau or 250 km NW Wau [318 km by road] (see also: Ragaa, Raja, Wau, 200 mi [=322 km] W, Wau, 250 km NW [318 km by road])	South Sudan		8° 28' 00" N 25° 41' 00" E	603 m
Ragaa (see Raga)	South Sudan		8° 28' 00" N 25° 41' 00" E	603 m
Rainham [Farm], Salisbury	Zimbabwe		17° 46' 00" S 30° 53' 00" E	
Raja (see Raga)	South Sudan		8° 28' 00" N 25° 41' 00" E	603 m
Rajjaf, Bahr el Jebel (see also: Rejaf)	South Sudan		4° 45' 00" N 31° 35' 00" E	549 m
Rakai district	Uganda			
Rako Barzala (see also: Barzala cave)	Ethiopia	ca.	9° 20' 00" N 42° 05' 00" E	
Rakotoniaine, on RN8 between Soalala and Vilanandro	Madagascar	ca.	16° 18' 00" S 45° 23' 00" E	
Ramangabo (see Rumangabo)	Congo (Democratic Republic of the)		1° 21' 28" S 29° 22' 09" E	1587 m
Ramara	Madagascar			
Rambira	Congo (Democratic Republic of the)		2° 03' 00" S 28° 54' 00" E	
Rambura	Congo (Democratic Republic of the)		1° 40' 00" S 29° 35' 00" E	
Ramu	Kenya		3° 55' 15" N 41° 13' 09" E	365 m
Ranches LTD	Swaziland		26° 02' 00" S 31° 42' 00" E	
Randa	Nigeria	ca.	13° 00' 00" N 5° 00' 00" E	
Randstephne, Farm 455KQ (see Farm Randstephne 455KQ)	South Africa		24° 36' 58" S 27° 39' 31" E	993 m
Ranérou	Senegal		15° 18' 00" N 13° 59' 48" W	35 m
Ranérou Ferlo department	Senegal			
Ranérou, 13 km NW	Senegal		15° 18' 00" N 13° 58' 00" W	
Ranérou, 7 km SE	Senegal	ca.	15° 18' 00" N 13° 59' 48" W	
Rangerton, Farm (see Farm Rangerton)	South Africa		32° 36' 44" S 27° 39' 50" E	740 m
Ranobe	Madagascar		23° 00' 34" S 43° 36' 34" E	
Ranohira	Madagascar	ca.	22° 30' 00" S 45° 24' 00" E	ca. 775 m
Ranohira bas, 2 km W (see Canyon des Singes)	Madagascar	ca.	22° 30' 00" S 45° 24' 00" E	
Ranohira, 10.5 km SW (see Hotel Jardin du Roi)	Madagascar	ca.	22° 38' 44" S 45° 19' 08" E	
Ranohira, 3.8 km NW, along Namaza river	Madagascar	ca.	22° 32' 24" S 45° 22' 48" E	
Ranohira, 7.8 - 8 km N, just outside Parc National d'Isalo, along Menamaty River, on RN7	Madagascar		22° 29' 08" S 45° 23' 30" E	700 m
Ranomafana, 15 km WNW (see Ranomafana, 15 km WNW), near Tsitongatona River (see also: Ranomafana, 15 km WNW)	Madagascar		24° 34' 01" S 46° 48' 00" E	
Ranomafana, ca 7 km (by road) W (see Ambodiamontana)	Madagascar		21° 16' 01" S 47° 25' 59" E	
Ranopiso, 20 km WNW (see Itaranta)	Madagascar		25° 01' 00" S 46° 29' 00" E	67 m
Ranopiso, 20 km WNW and Amboasary, 12 km ENE (see Itaranta River, near)	Madagascar		25° 05' 00" S 46° 28' 00" E	40 m
Ranopiso, ca 21 km NW (see Ankapoky)	Madagascar		24° 59' 00" S 46° 30' 00" E	50 m
Ranshas Ld	South Africa		25° 20' 00" S 30° 20' 00" E	
Ras Abu el Darag, Gulf of Suez, Red Sea,	Egypt		29° 33' 00" N 32° 33' 00" E	
Ras Addar (see Cape Bon)	Tunisia		37° 05' 00" N 11° 02' 20" E	
Ras El Oued, cave (see Grotte de Ras El Oued)	Morocco		34° 09' 00" N 4° 00' 00" W	
Ras Kisimani, near	Tanzania	ca.	7° 56' 40" S 39° 35' 26" E	
Ras Rajel (American WWII) Cemetery, 10 km E Tabarka (see also: Ras Rajel Cemetery, mine at W edge, Tabarka, 10 km E)	Tunisia		36° 57' 14" N 8° 51' 59" E	
Ras Rajel Cemetery, mine at W edge (see Ras Rajel (American WWII) Cemetery)	Tunisia		36° 57' 14" N 8° 51' 59" E	
Rashida (see Ar Rashidah)	Egypt		25° 34' 57" N 28° 56' 28" E	104 m
Rasilé (see Basilé village)	Equatorial Guinea		3° 41' 39" N 8° 48' 13" E	572 m
Rass Adder (see Cape Bon)	Tunisia		37° 05' 00" N 11° 02' 20" E	
Ratabo Kinazi Gitorams	Rwanda		2° 13' 00" S 29° 58' 00" E	
Ratelfontein, Farm (see Farm Ratelfontein)	South Africa		34° 44' 50" S 19° 41' 45" E	30 m
Ratsegaai, Farm 204 (see Farm Ratsegaai 204), 13 km W Ventersdorp	South Africa		26° 22' 00" S 26° 44' 00" E	
Ratzschitz Mission Church (see Maria Ratschitz Mission Church)	South Africa		28° 13' 32" S 30° 01' 21" E	
Raupenhelm, near mount (see Mount Raupenhelm, near)	Namibia			
Ravai (see Rabai), Mombassa, near	Kenya		3° 56' 00" S 39° 34' 00" E	700 ft
Ravine des Trois Bassins, 3.2 km SSE La Saline-les Bains (see also: La Saline-les Bains, 3.2 km SSE)	Réunion		21° 06' 36" S 55° 14' 34" E	10 m

Razza (see Massah)	Libya		32° 45' 07" N 21° 37' 36" E	482 m
Red Hill	South Africa		29° 46' 34" S 31° 01' 39" E	252 m
Red Sea	Red Sea			
Red SPC:BA|)	Egypt			
Red Sea state (see also: Al Bahr al Ahmar state |PC:RS|)	Sudan			
Reddersberg	South Africa			
Reddersburg (see also: Reddersburgh Farm)	South Africa		29° 39' 11" S 26° 10' 04" E	1402 m
Reddersburgh Farm (see Reddersburg)	South Africa		29° 39' 11" S 26° 10' 04" E	1402 m
Redelinghuys, 20.0 km N, 3 km E (see Sandberg)	South Africa		32° 17' 00" S 18° 35' 00" E	100 m
Redevef (see Ar Rudayyif)	Tunisia		34° 23' 00" N 8° 09' 00" E	574 m
Redevel (see Ar Rudayyif)	Tunisia		34° 23' 00" N 8° 09' 00" E	574 m
Redeyef (see Ar Rudayyif)	Tunisia		34° 23' 00" N 8° 09' 00" E	574 m
Redeyef, 4 km S (see Aïoun Ameur, near)	Tunisia	ca.	34° 19' 00" N 8° 09' 00" E	
Redrups Kop Mine, Bulawayo	Zimbabwe		20° 17' 00" S 28° 40' 00" E	
Redrups Kop Mine, Bulawayo	Zimbabwe		20° 17' 00" S 28° 40' 00" E	
Regina, Farm 68 [=V.L.N.R.] (see Farm Regina 68 [=V.L.N.R.]), 32 km NE Alldays	South Africa		22° 22' 48" S 29° 16' 12" E	
Region 1	Tunisia			
Region 2	Tunisia			
Region 3	Tunisia			
Region 4	Tunisia			
Region 5	Tunisia			
Region 6	Tunisia			
Region 7	Tunisia			
Région de Kouilou (see Kouilou departement)	Congo			
Rehderstal ranch	Namibia			
Rehobot district	Namibia			
Rehoboth	Namibia		23° 19' 00" S 17° 05' 00" E	1382 m
Rehoboth Mission Station, 32 mi [=51.5 km] NW (see Ukualukasi)	Namibia		17° 32' 00" S 14° 37' 00" E	3400 ft
Rehoboth, 38 mi [=61 km] SW (see Kobos)	Namibia		23° 35' 00" S 16° 40' 00" E	1622 m
Rei Bouba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river	Cameroon		8° 36' 00" N 14° 11' 00" E	224 m
Rei Buba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river	Cameroon		8° 40' 00" N 14° 11' 00" E	224 m
Reï-Bouba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river	Cameroon		8° 40' 00" N 14° 11' 00" E	224 m
Reitfontein (see Rietfontein Farm), Lusaka, near	Zambia		15° 28' 00" S 28° 43' 00" E	
Reivilo, 9 (or 19?) km SW (see Farm Grootfontein)	South Africa		27° 39' 00" S 24° 00' 00" E	
Rejaf (see Rajjaf), Bahr el Jebel	South Sudan		4° 45' 00" N 31° 35' 00" E	549 m
Relizane province	Algeria			
Rembo Kotou	Gabon	ca.	1° 34' 00" S 9° 15' 00" E	
Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ (see Farm Fourwinds)	South Africa		25° 49' 48" S 27° 40' 12" E	
Renie Park (see Park Rynie), near Mkomazi river	South Africa	ca.	30° 19' 00" S 30° 44' 00" E	
Renishaw (see Barberton Farm), 20 mi SW Kitale	Kenya		0° 45' 00" N 34° 45' 00" E	
Renishaw [railroad siding]	South Africa		30° 16' 00" S 30° 45' 00" E	
Renk (see Ar Rank)	South Sudan		11° 45' 00" N 32° 48' 00" E	371 m
Renosterkoppies, 15 km S Skukuza (see also: Rhenosterkoppies, Skukuza, 15 km S)	South Africa		25° 07' 37" S 31° 36' 06" E	
Renosterkoppies, 15 km S, Witrivier	South Africa		25° 08' 00" S 31° 37' 00" E	
Renshaw Barberton Farm (see Barberton Farm), 20 mi [=32 km] SW Kitale	Kenya		0° 45' 00" N 34° 45' 00" E	
Repota (see Wreputa)	Liberia		6° 46' 00" N 10° 03' 00" W	144 m
Reppo Town (see Wreputa)	Liberia		6° 46' 00" N 10° 03' 00" W	144 m
Reppo's Town (see Wreputa)	Liberia		6° 46' 00" N 10° 03' 00" W	144 m
Reputa (see Wreputa)	Liberia		6° 46' 00" N 10° 03' 00" W	144 m
Research camp	South Africa		22° 25' 00" S 31° 18' 00" E	
Reserva cientifica de la Caldera de San Carlos (see Caldera de San Carlos Scientific Reserve)	Equatorial Guinea	ca.	3° 20' 00" N 8° 34' 00" E	
Reserva Los Tilos, Los Sauces (see also: Los Tilos Nature Reserve)	Canary Islands (Spain)		28° 47' 39" N 17° 47' 55" W	
Reserva Natural del Monte Temelón (see Mount Temelón Nature Reserve)	Equatorial Guinea	ca.	2° 02' 00" N 10° 42' 00" E	
Réserve de Chasse du Niokolo Coba (see Niokolo Koba national park)	Senegal		13° 00' 28" N 12° 54' 53" W	
Réserve de Chasse et Forestière de Boubanjidda (see Bouba Ndjida National Park)	Cameroon		8° 37' 42" N 14° 40' 05" E	
Réserve de Chasse et Forestière du Faro (see Faro, Réserve)	Cameroon		8° 10' 00" N 12° 35' 00" E	
Réserve de faune de Campo (see Campo National Park)	Cameroon		2° 23' 00" N 10° 06' 00" E	
Réserve de la Biosphère du Massif du Ziama (see Ziama, Biosphere reserve), near Park Station, W edge of Séréddou	Guinea	ca.	8° 22' 00" N 9° 18' 00" W	

Réserve de la Moukalaba (see Moukalaba Reserve), 12.2 km NW Doussala	Gabon		2° 17' 00" S 10° 29' 50" E	110 m
Réserve des monts Mandingues (see Kik plateau cave)	Mali	ca.	12° 30' 32" N 8° 39' 20" W	
Réserve du Bouba Ndjidda (see Bouba Ndjida National Park)	Cameroon		8° 37' 42" N 14° 40' 05" E	
Réserve du Faro (see Faro, Réserve)	Cameroon		8° 10' 00" N 12° 35' 00" E	
Réserve forestière et de chasse de Kalamaloué (see Kalamaloué, réserve forestière et de chasse)	Cameroon		12° 08' 00" N 14° 54' 00" E	
Réserve Intégrale de Mbaéré-Bodingué (see Mbaéré-Bodingué Reserve)	Central African Republic	ca.	3° 53' 00" N 17° 15' 00" E	
Réserve Naturelle de l' Ankarafantsika (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga	Madagascar		16° 09' 00" S 47° 02' 00" E	
Réserve Naturelle de Marojejy (see Tahiry Nanaharin' i Marojezy)	Madagascar		14° 22' 18" S 49° 43' 30" E	
Réserve Naturelle de Namoroka (see Tsingy de Namoroka, Réserve Naturelle), Soalala, S	Madagascar		16° 28' 00" S 45° 20' 00" E	
Réserve Naturelle de Tsigny de Namoroka (see Tsingy de Namoroka, Réserve Naturelle)	Madagascar		16° 28' 00" S 45° 20' 00" E	
Réserve Spéciale d'Ambohitantely (see also: Ambohitantely Special Reserve)	Madagascar		18° 10' 00" S 47° 17' 00" E	
Réserve Spéciale d'Analamerana (see Analamerana Special Reserve)	Madagascar		12° 44' 00" S 49° 32' 00" E	
Réserve Spéciale d'Ankarana (see Ankarana National Park)	Madagascar		12° 56' 31" S 49° 03' 18" E	
Réserve Spéciale de la Kirindy (see Tahiry Manokan' i Kirindy)	Madagascar		20° 52' 04" S 43° 54' 27" E	5 m
Reserve totale de faune de Bouna (see Comoé National Park)	Côte d'Ivoire		8° 49' 21" N 3° 35' 26" W	
Reservoir Hills	South Africa		29° 48' 25" S 30° 56' 32" E	155 m
Reserwe Okombahe (see Okombahe)	Namibia		21° 40' 00" S 15° 10' 00" E	
Resha, 60 km S Bujumbura (see also: Bujumbura, 60 km S)	Burundi		3° 54' 00" S 29° 24' 00" E	
Rethy (see also: Reti, Retshi, Retsi, Rety)	Congo (Democratic Republic of the)		2° 05' 11" N 30° 53' 46" E	2116 m
Reti (see Rethy)	Congo (Democratic Republic of the)		2° 05' 11" N 30° 53' 46" E	2116 m
Retiefkloof (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg	South Africa		25° 50' 00" S 27° 15' 00" E	
Retreat Farm, 32.2 km SE Fort Victoria (see also: Fort Victoria, 32.2 km SE)	Zimbabwe		20° 14' 00" S 31° 02' 00" E	
Retshi (see Rethy)	Congo (Democratic Republic of the)		2° 05' 11" N 30° 53' 46" E	2116 m
Retsi (see Rethy)	Congo (Democratic Republic of the)		2° 05' 11" N 30° 53' 46" E	2116 m
Rety (see Rethy)	Congo (Democratic Republic of the)		2° 05' 11" N 30° 53' 46" E	2116 m
Réunion (see also: Bourbon, île)	Réunion	ca.	21° 06' 00" S 55° 36' 00" E	
Rev Malebo (see Malabo) (see also: Itama mine)	Equatorial Guinea		0° 59' 00" S 29° 41' 00" E	0 m
Rey Bouba, on Mayou Rei, attribute of the Bénoué river (see also: Rei Bouba, Rei Buba, Reï-Bouba)	Cameroon		8° 40' 00" N 14° 11' 00" E	224 m
Rhardaïa (see Ghardaïa)	Algeria		32° 29' 00" N 3° 40' 00" E	572 m
Rhebok Plaat Berg, 1.2 km S, 0.2 km E Elandsbaai (see also: Elandsbaai, 1.2 km S, 0.2 km E)	South Africa		32° 19' 19" S 18° 20' 29" E	60 m
Rheika, Tadoro, Mesakin Qisar	Sudan		10° 41' 00" N 30° 00' 00" E	
Rhenlagen, Uvong	South Africa	ca.	30° 49' 56" S 30° 23' 02" E	
Rhenosterfontein; Farm (see Farm Rhenosterfontein), Potchefstroom	South Africa		26° 34' 00" S 27° 31' 00" E	
Rhenosterkoppies (see Renosterkoppies), 15 km S Skukuza	South Africa		25° 07' 37" S 31° 36' 06" E	
Rhenostersprui, Farm 59JQ (see Farm Rhenostersprui 59JQ)	South Africa		25° 22' 30" S 27° 07' 30" E	
Rhin. Z.	South Africa			
Rhino Camp, Nile province, West Nile dist.	Uganda		2° 57' 50" N 31° 24' 40" E	
Rhino Cave (see Munyati)	Zimbabwe		18° 39' 00" S 29° 47' 00" E	1064 m
Rhino Corner	Kenya		2° 47' 00" S 38° 26' 00" E	
Rhinocolorum (see Al'Arish)	Egypt		31° 07' 34" N 33° 48' 07" E	33 m
Rhinocolura (see Al'Arish)	Egypt		31° 07' 34" N 33° 48' 07" E	33 m
Rhinocorura (see Al'Arish)	Egypt		31° 07' 34" N 33° 48' 07" E	33 m
Rhinokorura (see Al'Arish)	Egypt		31° 07' 34" N 33° 48' 07" E	33 m
Rhoda, Farm 9 (see Farm Rhoda 9), 13 km S Phalaborwa	South Africa		24° 03' 00" S 31° 06' 00" E	
Rhodes Inyanga National Park (see also: Inyanga National Park, Rhodes Inyanga Nature Park, Rhodes Nyanga Nature Park)	Zimbabwe		18° 17' 00" S 32° 48' 00" E	

Rhodes Inyanga Nature Park (see Rhodes Inyanga National Park)	Zimbabwe		18° 17' 00" S 32° 48' 00" E	
Rhodes Matopos Nature Park (see also: Matobo National Park, Matombo)	Zimbabwe		20° 33' 00" S 28° 33' 00" E	
Rhodes Nyanga Nature Park (see Rhodes Inyanga National Park)	Zimbabwe		18° 17' 00" S 32° 48' 00" E	
Rhodes University, near Hamilton Reserve	South Africa		33° 18' 00" S 26° 31' 00" E	530 m
Rhodes, village	South Africa		30° 47' 47" S 27° 58' 04" E	1829 m
Rhombole (see Khombole)	Senegal		14° 46' 00" N 16° 42' 00" W	18 m
Riaba (see Ciudad de Riaba)	Equatorial Guinea		3° 22' 58" N 8° 45' 44" E	104 m
Riaba to Malabo road, km 5 - 6	Equatorial Guinea	ca.	3° 28' 00" N 8° 47' 00" E	
Riaba to Malabo road, km 7 - 8	Equatorial Guinea	ca.	3° 30' 00" N 8° 48' 00" E	
Riaba, 6 km from	Equatorial Guinea	ca.	3° 22' 58" N 8° 45' 44" E	
Riaba, near, Borakurope river	Equatorial Guinea	ca.	3° 22' 58" N 8° 45' 44" E	
Ribao-Berge (see Mambila Plateau)	Nigeria	ca.	6° 32' 00" N 11° 22' 00" E	
Ribaue, 27 km W	Mozambique		14° 58' 15" S 38° 04' 46" E	
Ribeira Grande	Cape Verde		17° 11' 00" N 25° 04' 00" W	40 m
Ribeira Grande, road to	Azores [Portugal]	ca.	37° 49' 00" N 25° 31' 00" W	
Ribeira Izé, between San António and Sundi, Ponte Ministro	São Tomé and Principé	ca.	1° 39' 40" N 7° 23' 38" E	
Ribeira Peixe	São Tomé and Principé		0° 05' 20" N 6° 36' 48" E	
Ribeira Peixe	São Tomé and Principé		0° 05' 00" N 6° 37' 00" E	
Ribue Lya Mikako cave (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		0° 14' 42" S 29° 01' 00" E	1500 m
Richard Toll	Senegal		16° 28' 00" N 15° 41' 00" W	10 m
Richard, mont (see Nimba, mount)	Guinea		7° 37' 00" N 8° 25' 00" W	
Richard-Molard, mount (see Nimba, mount)	Guinea		7° 37' 00" N 8° 25' 00" W	
Richard-Molard, S side mount (see also: Mount Richard Molard, S)	Liberia	ca.	7° 33' 47" N 8° 27' 54" W	
Richards Bay (see also: Richardsbaai)	South Africa		28° 46' 31" S 32° 03' 14" E	11 m
Richardsbaai (see Richards Bay)	South Africa		28° 46' 31" S 32° 03' 14" E	11 m
Riche en Eau	Mauritius		20° 23' 17" S 57° 39' 15" E	
Richmond, 17.5 km SSW (see Game Valley Estates), Hella-Hella	South Africa		29° 54' 00" S 30° 03' 00" E	
Richtersveld, 36.2 km N, 47.5 km E Alexander Bay (see also: Alexander Bay, 36.2 km N, 47.5 km E)	South Africa		28° 17' 29" S 16° 58' 13" E	480 m
Richthoven	Namibia		22° 38' 00" S 14° 44' 00" E	110 m
Riebeeckstad, Kroonstad (see also: Riebeekstad)	South Africa		27° 55' 00" S 26° 49' 00" E	1394 m
Riebeek-Oos, 5 km W (see Farm Mitford Park)	South Africa		33° 12' 00" S 26° 06' 00" E	700 m
Riebeekstad (see Riebeeckstad), Kroonstad	South Africa		27° 55' 00" S 26° 49' 00" E	1394 m
Rielpoort	South Africa		31° 16' 48" S 21° 35' 24" E	
Riemvasmaak, 47 km NW Kakamas	South Africa		28° 27' 00" S 20° 18' 00" E	653 m
Rietfontein Farm, Lusaka, near (see also: Reitfontein)	Zambia		15° 28' 00" S 28° 43' 00" E	
Rietfontein, Farm (see Farm Rietfontein), Middleburg	South Africa		25° 53' 00" S 29° 23' 00" E	
Rietfontein, Farm (see Farm Rietfontein)	South Africa		32° 38' 00" S 18° 28' 00" E	125 m
Rietfontein, Farm 404 (see Farm Rietfontein 404), 7 km N Sasolburg	South Africa		26° 46' 00" S 27° 43' 30" E	
Rietfontein, Farm 536KQ (see Farm Rietfontein 536KQ)	South Africa		24° 54' 30" S 27° 44' 36" E	
Rietfontein, Farm pt 16 (see Farm Rietfontein, pt 16), Bronkhorstspruit	South Africa	ca.	25° 48' 00" S 28° 44' 00" E	
Rietgat, Farm plot 102 (see Farm Rietgat, plot 102), Pretoria	South Africa		25° 43' 00" S 28° 11' 00" E	
Rietondale, 177 Lys Street	South Africa		25° 44' 00" S 28° 14' 00" E	
Rietvlei Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria	South Africa		25° 52' 48" S 28° 16' 48" E	
Rif (see Er Rif)	Morocco		35° 00' 00" N 4° 00' 00" W	
Riff (see Er Rif)	Morocco		35° 00' 00" N 4° 00' 00" W	
Rifle Range, Kwe Kwe	Zimbabwe		18° 52' 30" S 29° 52' 30" E	
Rift Valley	Kenya			
Rift Valley (former) province	Kenya			
Rikki river	Sudan		9° 23' 00" N 24° 36' 00" E	
Río Agua-Fundao, Pasado la Roça de Agua Izé	São Tomé and Principé	ca.	0° 13' 48" N 6° 43' 46" E	
Río Akoko (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Río Apú, 17 to 21 km on Malabo to Luba road (see also: Apú River, Malabo to Luba road, km 21)	Equatorial Guinea	ca.	3° 31' 15" N 8° 35' 23" E	
Río Ayé, mouth (see also: Aye River, mouth)	Equatorial Guinea		1° 21' 03" N 9° 27' 45" E	
Río Basupú (see also: Basupú river)	Equatorial Guinea	ca.	3° 43' 00" N 8° 41' 04" E	

Río Benito (see Mbini)	Equatorial Guinea		1° 35' 00" N 9° 37' 00" E	343 m
Río Bicaba (see Arroyo Bicaba)	Equatorial Guinea	ca.	1° 47' 32" N 10° 14' 37" E	
Río Boara, affluent of Río Ecucu (see also: Boara River, Buara River, Río Buara)	Equatorial Guinea		1° 47' 34" N 9° 45' 39" E	
Río Borabuopé (see also: Borabuopé River)	Equatorial Guinea	ca.	3° 45' 00" N 8° 52' 00" E	
Río Bosao, 18 to 20 km on the Malabo to Luba road (see also: Bosao river, Boshao river, Boshaoiefang River, Malabo to Luba road, km 20, Río Boshao)	Equatorial Guinea	ca.	3° 31' 51" N 8° 35' 58" E	
Río Boshao (see Río Bosao)	Equatorial Guinea	ca.	3° 31' 51" N 8° 35' 58" E	
Rio Bualabá (see Río Grande)	Equatorial Guinea	ca.	3° 23' 03" N 8° 44' 16" E	
Río Bualala (see Río Grande)	Equatorial Guinea	ca.	3° 23' 03" N 8° 44' 16" E	
Río Buara (see Río Boara)	Equatorial Guinea		1° 47' 34" N 9° 45' 39" E	
Río Capitango (see Capitango, hill)	São Tomé and Principé		0° 05' 00" N 6° 36' 00" E	
Rio Cassai (see Rio Kassai), 40 km NE Canear [NF]	Algeria			
Rio Cocorico (see Río Ericorico)	Equatorial Guinea	ca.	3° 44' 10" N 8° 49' 34" E	
Rio Contador valley, S sid	São Tomé and Principé		0° 18' 08" N 6° 33' 09" E	
Rio Coroca (see also: Coroca River)	Angola	ca.	13° 42' 00" S 15° 05' 00" E	
Río Cugu (see Río Ecuco)	Equatorial Guinea		1° 49' 50" N 9° 44' 43" E	
Rio Cunene (see Cunene River)	Namibia	ca.	17° 15' 00" S 11° 45' 00" E	
Rio das Pedras	Mozambique		23° 08' 00" S 35° 25' 00" E	
Río Ecuco, near Bata (see also: Cugu River, Ecuco River, Ecucu River, Ekuko River, Ekuku River, Río Cugu, Río Ecucu, Río Ekuko, Río Ekuku)	Equatorial Guinea		1° 49' 50" N 9° 44' 43" E	
Río Ecucu (see Río Ecuco)	Equatorial Guinea		1° 49' 50" N 9° 44' 43" E	
Río Ekuko (see Río Ecuco)	Equatorial Guinea		1° 49' 50" N 9° 44' 43" E	
Río Ekuku (see Río Ecuco)	Equatorial Guinea		1° 49' 50" N 9° 44' 43" E	
Río Envuba (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Río Eolá (see Baney)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Río Ericorico, 3 km on Malabo to Riaba road (see also: Cocorico River, Ericorico river, Malabo to Riaba road, km 3, Rio Cocorico, Rio Ericorico)	Equatorial Guinea	ca.	3° 44' 10" N 8° 49' 34" E	
Rio Ericorico (see Río Ericorico)	Equatorial Guinea	ca.	3° 44' 10" N 8° 49' 34" E	
Río Grande, near Riaba (see also: Bualabá River, Bualala River, Grande River, Iladyi, Rio Bualabá, Río Bualala, Río Grande - Río Ruma confluence)	Equatorial Guinea	ca.	3° 23' 03" N 8° 44' 16" E	
Río Grande - Río Ruma confluence (see Río Grande)	Equatorial Guinea	ca.	3° 23' 03" N 8° 44' 16" E	
Rio Kassai, 40 km NE Canear [NF] (see also: Canear [NF], 40 km NE, Cassai River, Kassai River, Rio Cassai)	Algeria			
Río Lemba (see also: Lemba river)	São Tomé and Principé		0° 15' 00" N 6° 28' 00" E	
Río Lobo, near Niefang ?	Equatorial Guinea	ca.	1° 32' 00" N 10° 23' 00" E	
Río Longone	Equatorial Guinea	ca.	0° 54' 57" N 9° 19' 06" E	
Río Lopesa (see Río Lopese)	Equatorial Guinea	ca.	3° 43' 41" N 8° 40' 51" E	
Río Lopese (see also: Lopesa River, Lopese River, Lopesi River, Lopesse River, Río Lopesa, Río Lopesi, Río Lopesse)	Equatorial Guinea	ca.	3° 43' 41" N 8° 40' 51" E	
Río Lopesi (see Río Lopese)	Equatorial Guinea	ca.	3° 43' 41" N 8° 40' 51" E	
Río Lopesse (see Río Lopese)	Equatorial Guinea	ca.	3° 43' 41" N 8° 40' 51" E	
Rio Luachimo, near Dundo (see also: Luachima River)	Angola	ca.	7° 20' 00" S 20° 49' 00" E	
Rio Luica, affluent of R. Cuango-Muqué, Alto Chicapa (see also: Luica River)	Angola		10° 46' 00" S 19° 12' 00" E	ca. 1270 m
Río Manoel Gorge (see Río Manuel Jorge)	São Tomé and Principé	ca.	0° 18' 00" N 6° 45' 00" E	
Rio Manoel Jorje (see Río Manuel Jorge)	São Tomé and Principé	ca.	0° 18' 00" N 6° 45' 00" E	
Río Manuel Jorge (see also: Río Manoel Gorge, Rio Manoel Jorje)	São Tomé and Principé	ca.	0° 18' 00" N 6° 45' 00" E	
Río Martin Mendez	São Tomé and Principé	ca.	0° 06' 18" N 6° 36' 30" E	
Río Matadera, near Malabo (see also: Matadera river, Matadero River, Río Matadero)	Equatorial Guinea	ca.	3° 44' 00" N 8° 47' 00" E	
Río Matadero	Equatorial Guinea	ca.	3° 45' 00" N 8° 47' 00" E	
Río Matadero (see Río Matadera), near Ela Nguena	Equatorial Guinea	ca.	3° 44' 00" N 8° 47' 00" E	
Río Mbon, near Monte Alen (see also: Mbon River)	Equatorial Guinea			

Río Mikémele (see Arroyo Mikémele)	Equatorial Guinea	ca.	1° 34' 35" N 10° 04' 43" E	
Rio Mikémele (see Mikémele River)	Equatorial Guinea	ca.	1° 34' 35" N 10° 04' 43" E	
Río Miong, on road from Noayong to Evinayong (see also: Miong River)	Equatorial Guinea	ca.	1° 22' 13" N 10° 42' 00" E	
Río Mopobill, NW Bioko, 7 km from the airport (see also: Mopobill River)	Equatorial Guinea	ca.	3° 44' 00" N 8° 49' 00" E	
Río Moris, near Luba (see also: Moris River)	Equatorial Guinea	ca.	3° 27' 00" N 8° 33' 00" E	
Río Mvouba (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Río Mvuba (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Río Mvuva (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Río Mwuba (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Río Ncong (see also: Ncong River, Nocong River, Río Nocong)	Equatorial Guinea	ca.	1° 08' 00" N 11° 15' 00" E	
Río Ngomo, km 25 / 35 on Bata to Ayamiken road (see also: Bata to Ayamiken road, km 25 /35, Ngomo River)	Equatorial Guinea	ca.	2° 04' 03" N 9° 58' 26" E	
Río Nocong (see Río Ncong)	Equatorial Guinea	ca.	1° 08' 00" N 11° 15' 00" E	
Río Nsua, near Micomiseng - Temelon road? (see also: Nsua River)	Equatorial Guinea	ca.	2° 08' 10" N 10° 36' 48" E	
Río Ntono (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Río Ntugu (see Arroyo Ntugu)	Equatorial Guinea	ca.	1° 27' 01" N 11° 04' 02" E	
Río Nvouba (see Río Nvuba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Río Nvuba (see also: Arroyo Nbuba, Envuba River, M'Boba river, Mvouba river, Mvuba River, Mvuva River, Mwuba river, Nvouba river, Nvuba River, Río Envuba, Río Mvouba, Río Mvuba, Río Mvuva, Río Mwuba, Río Nvouba)	Equatorial Guinea	ca.	2° 10' 00" N 10° 10' 00" E	
Río Olende (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Río Otonde (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Río Otondo (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Río Sampaca (see Sampaka river), ca 7 km from Malabo	Equatorial Guinea	ca.	3° 44' 41" N 8° 44' 16" E	
Rio Sampaka (see Sampaka river), ca. 7 km from Malabo	Equatorial Guinea	ca.	3° 44' 41" N 8° 44' 16" E	
Río Timbabé, 3 to 5 km on Malabo to Luba road (see also: Malabo to Luba road, km 3, Timbabé River)	Equatorial Guinea	ca.	3° 44' 11" N 8° 45' 09" E	
Río Togecha, mk 4 on Malabo to Riaba road (see also: Malabo to Riaba road, km 4, Togecha River)	Equatorial Guinea		3° 45' 00" N 8° 49' 00" E	
Río Utonde, near Bata (see also: Akoko River, Ntono River, Olende River, Otonde River, Otondo River, Río Akoko, Río Ntono, Río Olende, Río Otonde, Río Otondo, Río Utonde, banks, Río Utondo, Utonde River, Utondo River)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Río Utonde, banks (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Río Utondo (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Río Voro, affluent of Río Ecucu, Bat (see also: Voro River)	Equatorial Guinea			
Rio Wanetsi (see Vaneteze river)	Mozambique		24° 29' 33" S 32° 10' 17" E	
Risimu zone	Congo (Democratic Republic of the)	ca.	1° 00' 00" N 26° 45' 00" E	
Rissik Private Nature Reserve, 5 mi [=8 km] E Warmbaths (see also: Warmbaths, 5 mi [=8 km] E)	South Africa		24° 53' 00" S 28° 27' 00" E	
Riusaka	Equatorial Guinea	ca.	3° 26' 07" N 8° 39' 21" E	
Riva	Riva			
River cave (see Farm Wonderfontein), 48 km E Middelberg	South Africa		25° 50' 00" S 29° 55' 00" E	
River Gee county	Liberia			
River Nile state (see also: Nahr an Nil state |PC:RN|, Nile state |PC:RN|)	Sudan			
River Olebortoto (see Olebortoto River)	Kenya			
River, Farm 141 MS (see Farm River 141 MS), Soutpansberg	South Africa		22° 11' 57" S 29° 52' 43" E	
Rivercess county	Liberia			
Rivers state	Nigeria			
Riversdale, 8.4 km N, 3.0 km W (see Garcia Forest Reserve)	South Africa		34° 01' 10" S 21° 13' 21" E	160 m
Rivière du Rempart district	Mauritius			
Roacana, Catarata (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	3350 ft
Robert Port (see Robertsport)	Liberia		6° 45' 19" N 11° 22' 07" W	158 m
Robert Williams (see Caála)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Robert Williams, 6 mi [=9.7 km] S (see Caála, 6 mi [=9.7 km] S)	Angola	ca.	12° 51' 09" S 15° 33' 38" E	1630 m

Roberto Williams (see Caála)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Roberts International Airport, near Harbel (see also: Robertsfield Airport)	Liberia		6° 14' 02" N 10° 21' 44" W	
Robertsfield Airport (see Roberts International Airport), Monrovia	Liberia		6° 14' 02" N 10° 21' 44" W	
Robertson	South Africa		33° 48' 00" S 19° 53' 00" E	180 m
Robertson (see Robertsport)	Liberia		6° 45' 19" N 11° 22' 07" W	158 m
Robertson, 12 km S, 0.5 km W (see Vrolijkheid Nature Reserve)	South Africa		33° 55' 00" S 19° 52' 00" E	221 m
Robertson, 15 km SW (see Vrolijkheid Nature Reserve)	South Africa		33° 55' 00" S 19° 53' 00" E	221 m
Robertsport (see also: Port Robert, Robert Port, Robertson, Robertstown)	Liberia		6° 45' 19" N 11° 22' 07" W	158 m
Robertstown (see Robertsport)	Liberia		6° 45' 19" N 11° 22' 07" W	158 m
Robi	Ethiopia		10° 00' 00" N 39° 54' 00" E	1232 m
Robins Game Reserve (see Hwange National Park)	Zimbabwe		19° 10' 00" S 26° 30' 00" E	914 m
Roça Cansele (see Roça Canzel), North of ?? Quiculango ??	Angola		8° 21' 00" S 15° 11' 00" E	793 m
Roça Canzel, 30 km W Camabatela (see also: Camabatela, 30 km W, Canzale, Canzel, Canzele, Canzole, Roça Cansele)	Angola		8° 21' 00" S 15° 11' 00" E	793 m
Rochdale, Farm (see Farm Rochdale), 5 mi E Waterpoort	South Africa		22° 54' 00" S 29° 41' 00" E	
Rocher pan (see Rocher Pan Nature Reserve), 11 km N, 9 km W, Dwarskersbos	South Africa		32° 37' 00" S 18° 22' 00" E	20 m
Rocher Pan Nature Reserve, 11 km N, 9 km W, Dwarskersbos (see also: Dwarskersbos, 11 km N, 9 km W, Rocher pan, Rocherpan Nature Reserve)	South Africa		32° 37' 00" S 18° 22' 00" E	20 m
Rocherpan Nature Reserve (see Rocher Pan Nature Reserve), 11 km N, 9 km W, Dwarskersbos (see also: Dwarskersbos, 9.1 km N, 6.6 km E)	South Africa		32° 36' 00" S 18° 19' 00" E	20 m
Roches Noires, 3.0 km W (see Twilight cave)	Mauritius		20° 07' 03" S 57° 42' 10" E	30 m
Rockcliff farm, Harrismith	South Africa		28° 37' 00" S 29° 01' 00" E	
Rockport Guano Cave (see also: Rackpoort Guano Cave)	South Africa			
Rocktail Bay	South Africa		27° 13' 17" S 32° 47' 36" E	
Rocky Island, Uhaya Bay	Kenya			
Roco (see Rosso)	Mauritania		16° 30' 37" N 15° 48' 32" W	45 m
Rodahira river, near Rutshuru	Congo (Democratic Republic of the)		1° 13' 00" S 29° 26' 00" E	1200 m
Rodo valley, Ankarana, N	Madagascar		12° 05' 00" S 49° 05' 00" E	
Rodolfo, lago (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Rodrigues (see Rodrigues Island (region))	Mauritius		19° 42' 00" S 63° 25' 00" E	
Rodrigues Island (region) (see also: Rodrigues)	Mauritius		19° 42' 00" S 63° 25' 00" E	
Rogez	Madagascar		18° 48' 00" S 48° 37' 00" E	359 m
Rogez, near (see also: Sainte Augustin, Tulear, 17 mi [=27 km] S)	Madagascar	ca.	18° 48' 00" S 48° 37' 00" E	
Rohero Mine, 4 mi [=6.4 km] NNW Banagi (see also: Banagi, 4 mi [=6.4 km] NNW)	Tanzania	ca.	2° 16' 00" S 34° 51' 00" E	
Rohia, 10 km NE (see Sbeitla, pool 40 km NW)	Tunisia		35° 43' 42" N 9° 07' 58" E	
Rohogo mine	Tanzania		2° 20' 00" S 34° 50' 00" E	
Rokupr	Sierra Leone		8° 40' 18" N 12° 23' 43" W	77 m
Rolfontein Nature Reserve, 2.5 km N, 8.5 km E Petrusville (see also: Petrusville, 2.5 km N, 8.5 km E)	South Africa		30° 04' 00" S 24° 45' 00" E	1175 m
Rolspruit, Farm 127 (see Farm Rolspruit 127), 7 km E Leslie	South Africa		26° 24' 00" S 29° 00' 00" E	
Rond Islet (see Round island)	Mauritius		19° 50' 53" S 57° 46' 51" E	
Ronde Ile (see Round island)	Mauritius		19° 50' 53" S 57° 46' 51" E	
Rondo Flat [forest] (see Rondo Forest Reserve), 50-60 km W Lindi	Tanzania		10° 09' 00" S 39° 15' 00" E	ca. 473 m
Rondo forest, Kakamega forest	Kenya		0° 14' 43" N 34° 52' 52" E	
Rondo Forest Reserve, 50-60 km W Lindi (see also: Lindi, 50-60 km W, Rondo Flat [forest])	Tanzania		10° 09' 00" S 39° 15' 00" E	ca. 473 m
Ronga Forest Reserve	Sudan		13° 16' 00" N 33° 54' 00" E	
Rongai	Kenya		0° 10' 00" S 35° 51' 00" E	1911 m
Rongai, 5 km S	Kenya	ca.	0° 11' 00" S 35° 52' 00" E	
Rongai, 5 mi [=8 km] SW, Molo river	Kenya	ca.	0° 11' 00" S 35° 52' 00" E	
Roodekopjes, Farm (see Farm Roodekopjes), Amersfoort Dist.	South Africa		27° 03' 00" S 29° 48' 00" E	
Roodepoort; Farm 386 (see Farm Roodepoort 386), 15 km E Standerton	South Africa		26° 54' 00" S 29° 22' 00" E	
Roodevaal Private Camp, 2 km SE (see also: Roodeval Camp, 2 km SE, Roodewal private camp, 2 km SE)	South Africa		24° 08' 00" S 31° 36' 00" E	

Roodeval Camp, 2 km SE (see Roodevaal Private Camp, 2 km SE)	South Africa	25° 30' 00" S 26° 34' 00" E	
Roodewal private camp, 2 km SE (see Roodevaal Private Camp, 2 km SE)	South Africa	24° 08' 00" S 31° 36' 00" E	
Rooibank, near Sandwich Bay	Namibia	23° 11' 00" S 14° 39' 00" E	148 m
Rooiberg, 39 km SE Thabazimbi: Waterberg (see also: Rooiberg, Tin mine, Thabazimbi, 39 km SE)	South Africa	24° 46' 00" S 27° 44' 00" E	1162 m
Rooiberg, 2 mi [=3.2 km] W (see Thabazimbi, 16 mi [=26 km] SE)	South Africa	24° 47' 01" S 27° 40' 43" E	
Rooiberg, Tin mine (see Rooiberg)	South Africa	24° 46' 10" S 27° 43' 55" E	1162 m
Rooikop, 4 km S Nossob [=Nossob camp] (see also: Nassob, 4 km S, Nossob camp, 4 km S, Nossob, 4 km S)	South Africa	25° 27' 00" S 20° 34' 00" E	
Rooikrans, Farm 538 (see Farm Rooikrans 538), Thabazimbi	South Africa	24° 53' 00" S 27° 39' 00" E	
Rooikranz, Farm 538 (see Farm Rooikrans 538), Thabazimbi	South Africa	24° 53' 00" S 27° 39' 00" E	
Roossenekal, 40 km N (see De Hoop Nature Reserve)	South Africa	34° 27' 18" S 20° 23' 57" E	
Rose Hill	Mauritius	20° 14' 31" S 57° 28' 12" E	
Roseberry - Lubumbashi, between (see Mansa - Lubumbashi, between)	Zambia	11° 11' 00" S 28° 53' 00" E	
Rosecraft	Swaziland	26° 38' 00" S 31° 17' 00" E	667 m
Roseires	Sudan	11° 48' 19" N 34° 23' 57" E	
Roseneath	South Africa	30° 11' 06" S 30° 44' 37" E	
Rosetta, 26 km W (see Glengarry Park)	South Africa	30° 15' 00" S 29° 36' 00" E	
Rosetta, 8 mi [=12.9 km] SW (see Idfina)	Egypt	31° 17' 37" N 30° 30' 45" E	1 m
Rosh Pina (see Rosh Pinah)	Namibia	27° 57' 00" S 16° 46' 00" E	
Rosh Pinah (see also: Rosh Pina)	Namibia	27° 57' 00" S 16° 46' 00" E	
Ross Mission	South Africa		
Rossburgh	South Africa	29° 54' 21" S 30° 58' 47" E	28 m
Rosslyn, Pretoria	South Africa	25° 37' 27" S 28° 05' 39" E	1262 m
Rosso (see also: Roco)	Mauritania	16° 30' 37" N 15° 48' 32" W	45 m
Rotsedy county (see also: Pays des Rotsédy)	Rotsedy county		
Rotspruit, Farm (see Farm Rolspruit 127), 7 km E Leslie	South Africa	26° 24' 00" S 29° 00' 00" E	
Rotterdam, Farm (see Rotterdam, Farm), 10 mi [=16 km] N Thabazimbi (see also: Rotterdam, Farm, Thabazimbi, 10 mi [=16 km] N)	South Africa	24° 33' 17" S 27° 20' 20" E	
Roubi River, banks	Central African Republic		
Round island (see also: La Ronde, Mauritius, 15 mi [=24 km] NE, Rond Islet, Ronde Ile)	Mauritius	19° 50' 53" S 57° 46' 51" E	
Routabansougera	Rwanda	2° 25' 00" S 29° 10' 00" E	1750 m
Royal Mile Forest (see Budongo Forest Royal mile)	Uganda	1° 42' 29" N 31° 32' 21" E	
Royal Natal National Park, Khahlamba-Drakensberg Park, 45 km NW Bergville (see also: Bergville, 45 km NW, Natal National Park, Natalse Nasionale Park)	South Africa	28° 44' 00" S 28° 55' 00" E	1602 m
RR Ranch (see Farm New Belgium 608), 65 km N Vaalwater	South Africa	23° 53' 00" S 28° 08' 00" E	
Rua Cana (see Ruacana)	Namibia	17° 26' 00" S 14° 21' 00" E	1146 m
Ruacana (see also: Rua Cana)	Namibia	17° 26' 00" S 14° 21' 00" E	1146 m
Ruacana Falls (see also: Catarata Roacana, Catarata Ruacaná, Cataratas de Ruacaná, Cunene Falls, Quedas do Ruacaná, Roacana, Catarata, Ruacaná, Catarata, Ruacaná, Cataratas de, Ruacaná, Quedas do)	Namibia	17° 23' 00" S 14° 12' 00" E	3350 ft
Ruacaná, Catarata (see Ruacana Falls)	Namibia	17° 23' 00" S 14° 12' 00" E	3350 ft
Ruacaná, Cataratas de (see Ruacana Falls)	Namibia	17° 23' 00" S 14° 12' 00" E	3350 ft
Ruacaná, Quedas do (see Ruacana Falls)	Namibia	17° 23' 00" S 14° 12' 00" E	3350 ft
Ruaha National Park	Tanzania	7° 30' 00" S 35° 00' 00" E	
Ruanda farm	Tanzania	10° 33' 00" S 34° 57' 00" E	
Ruango	Congo (Democratic Republic of the)	4° 45' 00" S 13° 36' 00" E	
Ruangwa	Tanzania	10° 04' 00" S 38° 56' 00" E	363 m
Ruanoli-Mavea confluence	Congo (Democratic Republic of the)	0° 40' 00" N 29° 43' 00" E	800 m
Ruaraka, Safari Park Hotel; NE of Nairobi (see also: Ruivi)	Kenya	1° 14' 00" S 36° 53' 00" E	5300 ft

Rubeho mountains	Tanzania		6° 55' 00" S 36° 30' 00" E	
Rubengera (mission)	Rwanda		2° 02' 58" S 29° 25' 34" E	
(see also: Lubengera (mission))				
Rubindi	Burundi		4° 15' 37" S 29° 34' 31" E	997 m
(see also: Grotte de Rubindi)				
Rubirizi district	Uganda			
Rubi-Tele	Congo (Democratic Republic of the)		2° 18' 31" N 24° 59' 21" E	
Ruboma Ruhashya	Rwanda		2° 30' 00" S 29° 44' 00" E	
Rubona	Rwanda		2° 19' 00" S 29° 56' 00" E	1346 m
(see also: Colline Rubona)				
Rubondo [island]	Tanzania		2° 20' 00" S 31° 50' 00" E	350 m
(see also: Ruwondo [island])				
Ruchuru (see Rutshuru)	Congo (Democratic Republic of the)		1° 11' 03" S 29° 26' 56" E	1203 m
Rudolf Hayk' (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Rudolf, lake (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Rudolf, lake, 10 km NE (see Turkana lake, 10 km NE)	Ethiopia	ca.	4° 57' 00" N 36° 08' 00" E	
Rudolph, W side lake (see Turkana, W side lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Rudyard Cottage, Buzzard Mountain Retreat	South Africa		23° 01' 35" S 29° 46' 01" E	987 m
Rufiji district	Tanzania		8° 00' 00" S 38° 40' 00" E	
Rugari	Congo (Democratic Republic of the)		1° 24' 47" S 29° 22' 23" E	2089 m
(see also: Lulenga)				
Rugari mission	Burundi		2° 43' 45" S 30° 24' 00" E	1651 m
Ruhengeri	Rwanda		1° 30' 15" S 29° 38' 09" E	1772 m
Ruhinga Hill	Burundi		3° 55' 13" S 29° 35' 18" E	2170 m
Ruhiza	Togo		1° 02' 42" S 29° 46' 57" E	8000 ft
(see also: Ruhizha)				
Ruhizha (see Ruhiza)	Togo		1° 02' 42" S 29° 46' 57" E	8000 ft
Ruhizha area	Togo	ca.	1° 02' 42" S 29° 46' 57" E	
Ruhizha wolfram mine	Uganda		1° 01' 53" S 29° 46' 42" E	
(see also: Luhiza Mine)				
Ruindi (see Rwindi)	Congo (Democratic Republic of the)		0° 47' 05" S 29° 17' 26" E	1027 m
Ruines de Bulla Régia (see Bulla Regia), 7 km NNW Jendouba	Tunisia		36° 33' 30" N 8° 44' 48" E	
Ruines d'Utique (see Utica ruins)	Tunisia		37° 03' 26" N 10° 03' 46" E	
Ruiru, 32 km N Nairobi	Kenya		1° 09' 00" S 36° 58' 00" E	1564 m
(see also: Nairobi, 32 km N)				
Ruivi (see Ruaraka), Nairobi, N	Kenya	ca.	1° 14' 00" S 36° 53' 00" E	5300 ft
Rukameshi River on SN Game Fence	Zimbabwe		15° 43' 00" S 29° 25' 00" E	
Rukara, between Butare and Akanyaru river	Rwanda		1° 47' 55" S 30° 30' 02" E	1625 m
Rukira	Rwanda		2° 09' 12" S 30° 36' 41" E	1709 m
Rukungiri district	Uganda			
Rukwa region	Tanzania			
Rukwa (Game Reserve)	Tanzania		7° 10' 00" S 32° 00' 00" E	
Rukwa See (see Rukwa, lake), Konongo	Tanzania		8° 00' 00" S 32° 25' 00" E	
Rukwa, lake, Konongo	Tanzania		8° 00' 00" S 32° 25' 00" E	
(see also: Lake Rukwa, Rukwa See)				
Rumangabo	Congo (Democratic Republic of the)		1° 21' 28" S 29° 22' 09" E	1587 m
(see also: Ramangabo, Rumengabo)				
Rumanura river	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1200 m
Rumbeck (see Rumbek), 100 mi [=160 km] SE Wau	South Sudan		6° 48' 00" N 29° 41' 00" E	406 m
Rumbek, 100 mi [=160 km] SE Wau	South Sudan		6° 48' 00" N 29° 41' 00" E	406 m
(see also: Rumbeck, Wau, 100 mi [=160 km] SE)				
Rumbira (see Lumbira)	Tanzania		9° 34' 00" S 34° 08' 00" E	476 m
Rumengabo (see Rumangabo)	Congo (Democratic Republic of the)		1° 21' 28" S 29° 22' 09" E	1587 m
Rumoka	Congo (Democratic Republic of the)		1° 34' 00" N 29° 07' 00" E	
Rumonge	Burundi		3° 58' 20" S 29° 26' 20" E	809 m
Rumonge province	Burundi			
Rumphi	Malawi		11° 01' 10" S 33° 51' 17" E	1276 m
(see also: Rumpi, Rumpi Boma)				
Rumphi district	Malawi			
Rumpi (see Rumphi)	Malawi		11° 01' 10" S 33° 51' 17" E	1276 m
Rumpi Boma (see Rumphi)	Malawi		11° 01' 10" S 33° 51' 17" E	1276 m
Rumpi highlands (see Rumpi Hills)	Cameroon		4° 49' 56" N 9° 10' 23" E	
Rumpi Hills	Cameroon		4° 49' 56" N 9° 10' 23" E	
(see also: Rumpi highlands, Rumysi Hilus)				
Rumurati, 64 km NW (see Laikipia ranch)	Kenya		0° 16' 00" N 36° 32' 00" E	1829 m
Rumuriti	Kenya		0° 16' 00" N 36° 32' 00" E	1821 m
Rumuruti, 40 mi [=64 km] N	Kenya	ca.	0° 16' 00" N 36° 32' 00" E	1372 m
Rumuruti, 40 mi [=64 km] NW (see Laikipia ranch)	Kenya		0° 16' 00" N 36° 32' 00" E	1829 m
Rumuruti, 45 km N	Kenya	ca.	0° 16' 00" N 36° 32' 00" E	

Rumysi Hilus (see Rumpi Hills)	Cameroon		4° 49' 56" N 9° 10' 23" E	
Rundu district	Namibia			
Rundu, 66 km S 113 km E (see Omuramba Khaundum, S Fork near junction with N Fork)	Namibia			
Rungu	Congo (Democratic Republic of the)		3° 11' 00" N 27° 52' 00" E	704 m
Rungu zone	Congo (Democratic Republic of the)	ca.	3° 11' 00" N 27° 52' 00" E	
Rungwa	Tanzania		7° 21' 00" S 31° 40' 00" E	914 m
Rungwa mountains	Tanzania		9° 08' 00" S 33° 40' 00" E	
Rungwe district	Tanzania		9° 15' 00" S 33° 40' 00" E	5000 ft
Rungwe Mountains, Mwatesi Stream	Tanzania		9° 08' 00" S 33° 40' 00" E	2015 m
Rupisi Hot Spring, Save River	Zimbabwe		19° 19' 00" S 32° 29' 00" E	
Rusenyi river	Congo (Democratic Republic of the)		1° 12' 00" S 29° 35' 00" E	1300 m
Rushubi mine	Burundi		3° 20' 55" S 29° 29' 11" E	ca. 1743 m
Rusito Forest, Rusito river, 20 km SE Melsetter (see also: Melsetter, 20 km SE)	Zimbabwe		20° 02' 00" S 32° 59' 00" E	
Rusizi	Burundi		3° 16' 00" S 29° 14' 00" E	
Rusizi delta (see also: Russissi, bank)	Burundi		3° 21' 00" S 29° 16' 00" E	
Rusper Farm (see Kilworth Estate)	Zimbabwe		17° 50' 00" S 30° 47' 00" E	
Ruspoli	Somalia			
Ruspoli, lake (see Ch'amo Hayk')	Ethiopia		5° 50' 00" N 37° 33' 00" E	
Russel Village (see also: Lokko Town, Russell)	Sierra Leone		8° 15' 00" N 13° 05' 00" W	50 m
Russell (see Russel Village)	Sierra Leone		8° 15' 00" N 13° 05' 00" W	50 m
Russissi, bank (see Rusizi delta)	Burundi		3° 21' 00" S 29° 16' 00" E	
Rust de Winter, 16 km SE (see Farm Enkeldoornspoort 207)	South Africa		25° 18' 00" S 28° 40' 00" E	
Rustenberg, 10 mi [=16 km] SW (see Farm Commissiesdrift 327JQ)	South Africa		25° 48' 00" S 27° 14' 00" E	
Rustenburg	South Africa		25° 40' 00" S 27° 14' 00" E	
Rustenburg Nature Reserve, Rustenburg	South Africa		25° 43' 04" S 27° 11' 16" E	
Rustenburg, 15 km N (see Boekenhoutfontein [farmstead])	South Africa		25° 13' 00" S 27° 06' 00" E	
Rustenburg, 19 km [=12 mi] S (see Farm Olifantspoort 328)	South Africa		25° 50' 00" S 27° 15' 00" E	
Rustenburg, 2 mi [=3.2 km] E	South Africa	ca.	25° 39' 22" S 27° 18' 33" E	
Rutana	Burundi		3° 55' 09" S 29° 59' 37" E	1810 m
Rutana province	Burundi			
Rutana, 46 km from (see Mpinga Mission)	Burundi		3° 44' 10" S 30° 10' 40" E	1930 m
Rutanzige, lake (see Edward, lake)	Congo (Democratic Republic of the)	ca.	0° 08' 00" S 29° 35' 00" E	
Rutengani [Mission] (see Rutenganio [Mission])	Tanzania		9° 21' 00" S 33° 37' 00" E	
Rutenganio [Mission] (see also: Rutengani [Mission])	Tanzania		9° 21' 00" S 33° 37' 00" E	
Rutshuru (see also: Ruchuru)	Congo (Democratic Republic of the)		1° 11' 03" S 29° 26' 56" E	1219 m
Rutshuru territory (see also: Rutshuru zone)	Congo (Democratic Republic of the)	ca.	1° 11' 00" N 29° 27' 00" E	
Rutshuru zone (see Rutshuru territory)	Congo (Democratic Republic of the)		1° 11' 00" N 29° 27' 00" E	4400 ft
Rutu [river] (see Utu [river])	Congo (Democratic Republic of the)		1° 24' 00" S 27° 49' 00" E	
Ruvara	Congo (Democratic Republic of the)			
Ruvu Forest Reserve	Tanzania		7° 00' 28" S 37° 51' 56" E	
Ruvu South Forest Reserve	Tanzania		6° 56' 44" S 38° 54' 59" E	
Ruvuma region	Tanzania			
Ruwenzori	Congo (Democratic Republic of the)		0° 25' 00" N 29° 50' 00" E	
Ruwenzori (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori East	Uganda		0° 22' 00" N 30° 00' 00" E	1524 m
Ruwenzori Mountains (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori National Park (see also: Queen Elizabeth National Park, Queen Elizabeth Park, Rwenzori National Park)	Uganda		0° 15' 00" S 30° 11' 11" E	
Ruwenzori Range (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori SE	Uganda		0° 22' 00" N 30° 00' 00" E	
Ruwenzori SE	Congo (Democratic Republic of the)	ca.	0° 30' 00" N 29° 50' 00" E	7500 ft
Ruwenzori, foot	Uganda		0° 22' 00" N 30° 00' 00" E	
Ruwenzori, foothills	Congo (Democratic Republic of the)		0° 23' 00" N 29° 54' 00" E	
Ruwenzori, S side	Congo (Democratic Republic of the)	ca.	0° 25' 00" N 29° 50' 00" E	
Ruwondo [island] (see Rubondo [island])	Tanzania		2° 20' 00" S 31° 50' 00" E	350 m

Ruyigi	Burundi		3° 28' 35" S 30° 14' 55" E	1842 m
Ruyigi province	Burundi			
Rwamagana	Rwanda		1° 57' 09" S 30° 26' 16" E	1528 m
Rwanda	Rwanda			
Rwankalo	Rwanda			
Rwankwi	Rwanda		1° 32' 00" S 29° 32' 00" E	
Rwegura (see also: Kayanza, 15 km W)	Burundi		2° 55' 00" S 29° 31' 10" E	2311 m
Rwenzoli (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Rwenzori Mountains (see also: Massif du Ruwenzori, Monts de la Lune, Monts Rwenzori, Mount Ruwenzori, Mountains of the Moon, Ruwenzori, Ruwenzori Mountains, Ruwenzori Range, Rwenzoli)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Rwenzori National Park (see Ruwenzori National Park)	Uganda		0° 15' 00" S 30° 11' 11" E	
Rwere Rwindi	Congo (Democratic Republic of the)		0° 47' 00" S 29° 18' 00" E	
Rwindi (see also: Ruindi)	Congo (Democratic Republic of the)		0° 47' 05" S 29° 17' 26" E	1027 m
Rwintare (see also: Rwintare Mission)	Burundi		3° 30' 46" S 29° 39' 28" E	2111 m
Rwintare Mission (see Rwintare)	Burundi		3° 30' 46" S 29° 39' 28" E	2111 m
Rwosho River	Malawi			
Rykvoorby, Farm 96 (see Farm Rykvoorby 96), 9 km N Zeerust	South Africa		25° 29' 00" S 26° 04' 00" E	
Rynie Park (see Park Rynie), near Mkomazi river	South Africa	ca.	30° 19' 00" S 30° 44' 00" E	
S A Lombaard Nature reserve, Bloemhof district	South Africa		27° 36' 00" S 25° 29' 00" E	
S Birnin Gwari	Nigeria		10° 48' 00" N 6° 18' 00" E	
S Jebel Marra, foothills	Sudan		12° 54' 00" N 24° 21' 00" E	4 000 ft
Sá da Bandeira (see Lubango)	Angola		14° 55' 00" S 13° 30' 00" E	1718 m
Sá da Bandeira, 20 km W	Angola	ca.	14° 55' 00" S 13° 30' 00" E	
Saarsveld Forestry School (see Saasveld)	South Africa		33° 57' 00" S 22° 31' 00" E	213 m
Saasveld, 1.6 km N, 5.9 km E George (see also: George, 1.6 km N, 5.9 km E, Saarsveld Forestry School, Saasveld Forestry College, Saasveld Forestry Research Station, Saasveld Forestry School)	South Africa		33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry College (see Saasveld), George	South Africa		33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry Research Station (see Saasveld), George	South Africa		33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry School (see Saasveld), George	South Africa		33° 57' 00" S 22° 31' 00" E	213 m
Saati, near Dogali	Ethiopia	ca.	5° 19' 59" N 37° 33' 00" E	
Saati	Eritrea		15° 36' 00" N 39° 15' 00" E	148 m
Saba	Niger		14° 26' 26" N 1° 06' 23" E	
Sabaki river (see Sebaki river)	Kenya		3° 09' 00" S 38° 00' 00" E	
Sabatia	Kenya		0° 02' 00" S 35° 45' 00" E	
Sabe	Congo (Democratic Republic of the)		1° 23' 00" N 30° 26' 00" E	700 m
Sabei (see Kapchorwa)	Uganda		1° 22' 58" N 34° 31' 28" E	2419 m
Sabeta	Ethiopia		8° 55' 00" N 38° 40' 00" E	2500 m
Sabha district	Libya			
Sabi & White Sands rivers confluence, Hazyview	South Africa		25° 01' 26" S 31° 10' 01" E	
Sabi river	Mozambique		25° 20' 00" S 32° 19' 00" E	
Sabie (see also: Sabie Forest Rest Area)	South Africa		25° 06' 00" S 30° 48' 00" E	
Sabie Forest Rest Area (see Sabie)	South Africa		25° 08' 00" S 30° 39' 00" E	
Sabie River, Skukuza camp	South Africa		24° 57' 00" S 31° 38' 00" E	
Sabie river bank, 8 km NE Skukuza (see also: Skukuza, 8 km NE)	South Africa		24° 58' 03" S 31° 40' 12" E	
Sabie River, lower	South Africa	ca.	24° 57' 00" S 31° 38' 00" E	
Sabie River, north bank, 3 km NNE Skukuza (see also: Skukuza, 3 km NNE)	South Africa		24° 59' 07" S 31° 37' 18" E	
Sabie River, Staff Picnic site, Skukuza	South Africa		24° 59' 00" S 31° 35' 00" E	
Sabie Sand Private Nature Reserve (see Farm Othawo 242), 16 km N Newington	South Africa		24° 45' 00" S 31° 26' 00" E	
Sabi-Lundi confluence (see Sabi-Lundi junction)	Zimbabwe		21° 18' 00" S 32° 24' 00" E	
Sabi-Lundi junction (see also: Sabi-Lundi confluence)	Zimbabwe		21° 18' 00" S 32° 24' 00" E	
Sabi-Lundi River, S junction	Zimbabwe		21° 18' 00" S 32° 24' 00" E	
Saboti (see Saboti African Centre)	Kenya		0° 56' 00" N 34° 50' 00" E	1951 m
Saboti African Centre (see also: Saboti)	Kenya		0° 56' 00" N 34° 50' 00" E	1951 m
Saboti caves, S side Mount Elgon	Kenya		1° 07' 00" N 34° 35' 00" E	1951 m
Saboti, 3 mi [=4.8 km] SE	Kenya		0° 52' 59" N 34° 49' 59" E	1951 m
Saboya, Nioro du Rip	Senegal		13° 37' 06" N 16° 05' 01" W	34 m
Sábra (see Sabratah)	Libya		32° 47' 31" N 12° 29' 05" E	6 m

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Sabrah (see Sabratah)	Libya		32° 47' 31" N 12° 29' 05" E	6 m
Sabrah (see Sabratah)	Libya		32° 47' 31" N 12° 29' 05" E	6 m
Sabratah (see also: Madinat Sabratah, Sábra, Sabrah, Sabratha)	Libya		32° 47' 31" N 12° 29' 05" E	6 m
Sabratah (see also: Madinat Sabratah, Sábra, Sabrah, Sabrah, Sabratha)	Libya		32° 47' 31" N 12° 29' 05" E	6 m
Sabratha (see Sabratah)	Libya		32° 47' 31" N 12° 29' 05" E	6 m
Sabratha (see Sabratah)	Libya		32° 47' 31" N 12° 29' 05" E	6 m
Sabratha Surman municipality	Libya			
Sacarra pyramids (see Saqqarah)	Egypt		29° 51' 00" N 31° 13' 00" E	19 m
Sacred Heart mission, near Kikwit (see also: Mission Sacre Coeur)	Congo (Democratic Republic of the)		5° 01' 43" S 18° 50' 47" E	
Sácriba	Equatorial Guinea		3° 42' 00" N 8° 43' 00" E	
Sada canton	Mayotte	ca.	12° 51' 05" S 45° 05' 58" E	
Safaqis (see Sfax)	Tunisia		34° 44' 26" N 10° 45' 37" E	12 m
Safi prefecture	Morocco			
Safi, 13 km S	Morocco		32° 10' 59" N 9° 15' 00" W	
S-Africa	S-Africa			
Saga Saga cave (see also: Grotte de Saga Saga, Saga Saga grot)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1160 m
Saga Saga grot (see Saga Saga cave)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1160 m
Sagalla	Kenya		3° 31' 00" S 38° 34' 00" E	864 m
Sagamu (see Shagamu)	Nigeria		6° 50' 36" N 3° 38' 52" E	63 m
Sagana river	Kenya	ca.	0° 40' 00" S 37° 12' 00" E	
Saganeiti (see Segheneyti)	Eritrea		15° 03' 10" N 39° 11' 14" E	2117 m
Sagaya	Tanzania		2° 30' 00" S 33° 00' 00" E	
Sahafina	Madagascar		22° 14' 00" S 47° 29' 00" E	
Sahamalaza	Madagascar			
Sahamananina (see Imasindrary)	Madagascar			
Sahanalaotra falls, near (see Cascade Sahanalaotra, near), just outside PN de Ranomafana	Madagascar		21° 14' 15" S 47° 23' 52" E	1100 m
Sahanfa River, along	Madagascar	ca.	22° 18' 42" S 45° 17' 45" E	
Sahara	Sahara			
Sahel region	Burkina Faso			
Sahr (see Sarh)	Chad		9° 09' 00" N 18° 23' 00" E	347 m
Saibly	Côte d'Ivoire		6° 33' 00" N 8° 02' 00" W	
Saïda province	Algeria			
Saint Florence Mission	Swaziland		26° 14' 00" S 31° 26' 00" E	
Saint George Del Mina (see Elmina)	Ghana		5° 05' 00" N 1° 21' 00" W	0 m
Saint John Baptist (see Marakabeis)	Lesotho		29° 32' 00" S 28° 09' 00" E	2040 m
Saint Joseph de Luluabourg (mission) (see Mikalaya)	Congo (Democratic Republic of the)		6° 01' 00" S 22° 19' 00" E	608 m
Saint Josephs mission (see also: St. Joseph's)	Swaziland		26° 28' 00" S 31° 29' 00" E	
Saint Lucia (see Saint Lucia Estuary)	South Africa		28° 22' 07" S 32° 24' 10" E	
Saint Lucia Estuary (see also: Saint Lucia, Saint Lucia Village, Saint Lucia Village Crocodile Centre, St. Lucia, St. Lucia Crocodile centre, St. Lucia Estuary, St. Lucia Lake, St. Lucia Wetland Park, Sugarloaf Camp Site)	South Africa		28° 22' 07" S 32° 24' 10" E	
Saint Lucia Village (see Saint Lucia Estuary)	South Africa		28° 22' 07" S 32° 24' 10" E	
Saint Lucia Village Crocodile Centre (see Saint Lucia Estuary)	South Africa		28° 22' 07" S 32° 24' 10" E	
Saint Paul River (see also: Ding River, St. Paul's River)	Liberia	ca.	6° 22' 46" N 10° 47' 55" W	
Saint Paul's Amukura Secondary School (see Amakura), 10 mi [=16 km] N Nambale	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Saint Peregrines mission (see also: St. Peregrines)	Swaziland		26° 03' 00" S 31° 26' 00" E	
Saint Vincent Cape (see Tanjona Ankaboa)	Madagascar		21° 52' 00" S 43° 20' 00" E	
Saint Winifred's Beach	South Africa		30° 05' 18" S 30° 51' 14" E	72 m
Saint-Augustin (see Ianantsony)	Madagascar		23° 33' 00" S 43° 46' 00" E	125 m
Saint-Augustin caves (see also: Grottes de Saint-Augustin)	Madagascar		23° 33' 00" S 43° 46' 00" E	125 m
Saint-Augustin, 0.75 km E (see Grotte de Tanambao)	Madagascar		23° 32' 56" S 43° 46' 03" E	10 m
Saint-Barbe-du-Tlélat (see Oued Tlélat)	Algeria		35° 32' 56" N 0° 26' 50" W	152 m
Saint-Benoît arrondissement	Réunion			
Saint-Benoît, near	Réunion	ca.	21° 02' 17" S 55° 43' 10" E	
Saint-Denis arrondissement (see also: Arrondissement-du-Vent |PC:DE|)	Réunion			

Saint-Denis-du-Sig (see Sig)	Algeria		35° 31' 40" N 0° 11' 43" W	73 m
Sainte Augustin (see Rogez, near)	Madagascar		23° 33' 00" S 43° 46' 00" E	125 m
Sainte Clothilde	Réunion		20° 55' 04" S 55° 28' 59" E	80 m
Sainte Elisabeth	Congo (Democratic Republic of the)		1° 33' 00" N 25° 20' 00" E	432 m
Sainte Marie	Madagascar		16° 08' 00" S 46° 58' 00" E	147 m
Sainte-Barbe-Du-Trelat (see Oued Tlélat)	Algeria		35° 32' 56" N 0° 26' 50" W	152 m
Sainte-Luce Forest (1), 2 - 3 km NW Manafiafy (see also: Manafiafy, 2 - 3 km NW)	Madagascar		24° 47' 00" S 47° 12' 00" E	20 m
Sainte-Luce Forest (2), 2 - 3 km NW Manafiafy (see also: Manafiafy, 4 km SSE)	Madagascar		24° 49' 00" S 47° 10' 00" E	20 m
Saint-Gilles (see Saint-Gilles-les Bains)	Réunion		21° 02' 00" S 55° 14' 00" E	114 m
Saint-Gilles-les Bains (see also: Saint-Gilles)	Réunion		21° 02' 00" S 55° 14' 00" E	114 m
Saint-Joseph (misson) (see Mikalaya)	Congo (Democratic Republic of the)		6° 01' 00" S 22° 19' 00" E	608 m
Saint-Louis	Senegal		16° 01' 56" N 16° 29' 30" W	0 m
Saint-Louis Hill (see also: Dune Jean Louis)	Seychelle Islands		4° 37' 00" S 55° 27' 00" E	
Saint-Louis region	Senegal			
Saint-Louis, 10 km SE	Senegal	ca.	15° 59' 00" N 16° 26' 00" W	
Saint-Paul arrondissement	Réunion			
Saint-Pierre arrondissement (see also: Arrondissement-sous-le-Vent |PC:PI|)	Réunion			
Sainya, 5.2 mi [=8.4 km] W (see Kilimi section)	Sierra Leone		9° 48' 00" N 12° 27' 00" W	
Saiwa river	Kenya		1° 06' 00" N 35° 07' 00" E	610 m
Saka-Ivondro? (see High Fanjahira, valley)	Madagascar			
Sakaleo River (see Sakaleona River)	Madagascar		20° 34' 50" S 48° 31' 47" E	
Sakaleona River (see also: Sakaleo River, Sakaleony River)	Madagascar		20° 34' 50" S 48° 31' 47" E	
Sakaleony River (see Sakaleona River)	Madagascar		20° 34' 50" S 48° 31' 47" E	
Sakana	Madagascar		17° 18' 00" S 49° 02' 00" E	436 m
Sakania (see also: Sakania mission)	Congo (Democratic Republic of the)		12° 45' 00" S 28° 34' 00" E	1278 m
Sakania mission (see Sakania)	Congo (Democratic Republic of the)		12° 45' 00" S 28° 34' 00" E	1278 m
Sakania territory	Congo (Democratic Republic of the)		12° 45' 00" S 28° 34' 00" E	
Sakaraha (see also: Sakaray)	Madagascar		22° 54' 00" S 44° 32' 00" E	468 m
Sakaraha subprefecture	Madagascar			
Sakaray (see Sakaraha)	Madagascar		22° 54' 00" S 44° 32' 00" E	468 m
Sakbayémé, on Sanaga River (see also: Song-Sag, Zakbayeme)	Cameroon		4° 02' 00" N 10° 34' 00" E	141 m
Sakbayémé, 26 km NE, Sanaga River, N bank	Cameroon	ca.	4° 05' 00" N 10° 35' 00" E	
Sakei stream, headwaters (see Sakeji stream, headwaters)	Zambia		11° 21' 00" S 24° 15' 00" E	436 m
Sakeji stream, headwaters (see also: Sakei stream, headwaters, Sekezhi stream, headwaters)	Zambia		11° 21' 00" S 24° 15' 00" E	436 m
Sakhara (see Saqqarah)	Egypt		29° 51' 00" N 31° 13' 00" E	19 m
Sakhraha, sous-préfecture	Madagascar			
Sakkara (see Saqqarah)	Egypt		29° 51' 00" N 31° 13' 00" E	19 m
Sakkara pyramids (see Saqqarah)	Egypt		29° 51' 00" N 31° 13' 00" E	19 m
Sakkoura pyramids (see Saqqarah)	Egypt		29° 51' 00" N 31° 13' 00" E	19 m
Sakoandrano cave (see also: Grotte de Sakoandrano)	Madagascar			
Sakpa	Ghana		8° 52' 00" N 2° 21' 00" W	255 m
Sal island	Cape Verde			
Sala	Kenya		3° 06' 00" S 39° 11' 00" E	
Salamat region	Chad			
Salazar Trail	Kenya		0° 20' 06" N 34° 52' 26" E	
Saldae (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Saldanha Bay (see also: Saldanhabaai)	South Africa		33° 03' 00" S 18° 00' 00" E	
Saldanhabaai (see Saldanha Bay)	South Africa		33° 03' 00" S 18° 00' 00" E	
Salé prefecture	Morocco			
Saliboko, on lake Albert	Congo (Democratic Republic of the)		1° 42' 00" N 30° 29' 00" E	1874 m
Salima district	Malawi			
Salima-Senga Bay	Malawi		13° 43' 00" S 34° 38' 00" E	475 m
Salisbury (see Harare)	Zimbabwe		17° 49' 04" S 31° 02' 41" E	1480 m
Salisbury, 20 mi [=32 km] N (see Henderson Research Station)	Zimbabwe		17° 37' 12" S 30° 52' 12" E	
Salisbury, 26 km W (see Kilworth Estate)	Zimbabwe		17° 50' 00" S 30° 47' 00" E	
Salisbury, 70 mi [=113 km] W	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m

Salo	Central African Republic			
Salomoni Cave	Congo (Democratic Republic of the)		10° 58' 48" S 27° 16' 48" E	
Saltpan, near, near Fogbo	Sierra Leone		8° 16' 00" N 12° 59' 00" W	4 m
Salujinga	Zambia		10° 58' 00" S 24° 07' 00" E	1324 m
Salukwe (see Shurugwi)	Zimbabwe		19° 40' 00" S 30° 00' 00" E	1501 m
Salung Plat	Guinea			
Sam Deli	Tanzania		4° 00' 00" S 37° 30' 00" E	
Sam Knott Nature Reserve, 23.7 km S, 9.7 km E Fort Beaufort (see also: Fort Beaufort, 23.7 km S, 9.7 km E)	South Africa		32° 56' 29" S 26° 44' 23" E	240 m
Sama	Guinea-Bissau			
Samanga (see Somanga)	Tanzania		8° 24' 00" S 39° 17' 00" E	3 m
Samaru	Nigeria		11° 10' 00" N 7° 38' 00" E	730 m
Samaya (see also: Danfina)	Mali		12° 32' 58" N 8° 03' 19" W	299 m
Samayé, on banks of Niger	Mali		14° 00' 00" N 4° 44' 00" W	267 m
Samba	Congo (Democratic Republic of the)		4° 38' 00" S 26° 22' 00" E	610 m
Sambio, ca. 35 mi [=56 km] SE (see Ssanukanu)	Namibia		18° 06' 00" S 20° 23' 00" E	
Sambirano River, lower, Ambanja	Madagascar		13° 43' 00" S 48° 20' 00" E	
Samboko river	Congo (Democratic Republic of the)		1° 00' 00" N 29° 22' 00" E	850 m
Sambu, Oldonyo [hill] (see Oldonyo Sambu [hill]), 30 km north Arusha	Tanzania		3° 10' 00" S 36° 39' 00" E	1829 m
Samburu county	Kenya			
Samburu district	Kenya		1° 15' 00" N 37° 00' 00" E	
Samburu Game Lodge (see Samburu Game Reserve), Vasio Nyiro[=Uwaso Ngiro] River	Kenya		0° 40' 00" N 37° 32' 00" E	914 m
Samburu Game Reserve, Vasio Nyiro[=Uwaso Ngiro] River (see also: Samburu Game Lodge, Samburu Uaso Nyiro Game Reserve)	Kenya		0° 40' 00" N 37° 32' 00" E	914 m
Samburu Uaso Nyiro Game Reserve (see Samburu Game Reserve), Vasio Nyiro[=Uwaso Ngiro] River	Kenya		0° 40' 00" N 37° 32' 00" E	
Same (see also: Ssame)	Tanzania		4° 04' 00" S 37° 44' 00" E	897 m
Samedou (see Samédougou)	Guinea		9° 00' 00" N 8° 54' 00" W	698 m
Samédougou (see also: Samedou)	Guinea		9° 00' 00" N 8° 54' 00" W	698 m
Samfya	Zambia		11° 21' 00" S 29° 33' 00" E	1154 m
Samkita (see also: Mission Protestante de Samkita, Samkitta)	Gabon		0° 27' 00" S 10° 27' 00" E	81 m
Samkitta (see Samkita)	Gabon		0° 27' 00" S 10° 27' 00" E	81 m
Samokitok, Masol area	Kenya	ca.	1° 39' 34" N 35° 40' 34" E	750 m
Samole Motel Camp	Ghana		9° 17' 00" N 1° 47' 00" W	
Sampaka river, ca 7 km from Malabo (see also: Malabo, ca. 7 km from, Río Sampaca, Rio Sampaka)	Equatorial Guinea	ca.	3° 44' 41" N 8° 44' 16" E	
Sampi	Sampi			
Sampoca	Equatorial Guinea		3° 43' 20" N 8° 44' 54" E	
Samsa (see Semsa)	Morocco		35° 35' 24" N 5° 24' 00" W	114 m
Samsa cave (see Semsa cave)	Morocco		35° 35' 24" N 5° 24' 00" W	114 m
Samsitu campsite, W of Rundu	Namibia		17° 51' 01" S 19° 40' 07" E	
San Antonio (see Palé)	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m
San Antonio (see Santo António)	São Tomé and Principé		1° 40' 00" N 7° 25' 00" E	
San Antonio de Palé (see Palé)	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m
San Antonio de Ureca (see also: San Antonio de Ureka, Ureca, Ureka, Urekd)	Equatorial Guinea		3° 15' 08" N 8° 35' 06" E	
San Antonio de Ureka (see San Antonio de Ureca)	Equatorial Guinea		3° 15' 08" N 8° 35' 06" E	
San Benito (see Mbini)	Equatorial Guinea		1° 35' 00" N 9° 37' 00" E	343 m
San Carlos (see Luba)	Equatorial Guinea		3° 27' 24" N 8° 33' 17" E	181 m
San Carlos de Lubá (see Luba)	Equatorial Guinea		3° 27' 24" N 8° 33' 17" E	181 m
San Fernando (see Ciudad de Ela Nguema)	Equatorial Guinea		3° 45' 00" N 8° 47' 00" E	107 m
San Filipo (see São Filipe)	Cape Verde		14° 54' 00" N 24° 31' 00" W	77 m
San Joaquín de Ndyiacom (see also: Ndjakom)	Equatorial Guinea		2° 01' 45" N 9° 55' 43" E	547 m
San Joaquín de Ndyiacom to Ayamiken road	Equatorial Guinea	ca.	2° 01' 45" N 9° 55' 43" E	
San Juan	Equatorial Guinea		1° 25' 00" S 5° 38' 00" E	0 m
San Miguel Island (see São Miguel Island)	Azores [Portugal]	ca.	37° 47' 00" N 25° 30' 00" W	
San Nicolas	São Tomé and Principé		0° 12' 12" N 6° 38' 48" E	
San Pedro	Equatorial Guinea		1° 26' 04" S 5° 39' 06" E	0 m

San Pedro de Lea (district) (see Bata)	Equatorial Guinea		1° 51' 00" N 9° 45' 00" E	
Sanaag region (see also: Sanag region |PC:SA|)	Somalia			
SanagPC:SA|)	Somalia			
Sanaga-Nyong-Dja-Ogooué	Sanaga-Nyong-Dja-Ogooué			
Sanaquelli (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanbonani, Hazyview	South Africa		25° 01' 54" S 31° 09' 31" E	
Sand River	South Africa		22° 25' 12" S 30° 04' 48" E	
Sand River (campting on), border Mara-Masai National Reserve	Kenya	ca.	1° 33' 23" S 35° 01' 47" E	
Sandawe (see Usandawe)	Tanzania		5° 15' 00" S 35° 20' 00" E	1200 m
Sandberg, 20.0 km N, 3 km E Redelinghuys (see also: Redelinghuys, 20.0 km N, 3 km E)	South Africa		32° 17' 00" S 18° 35' 00" E	100 m
Sandfontein (farmstead) (see Farm Sandfontein 468)	Namibia		22° 18' 00" S 19° 59' 00" E	4100 ft
Sandfontein, Farm 468 (see Farm Sandfontein 468)	Namibia		22° 18' 00" S 19° 59' 00" E	4100 ft
Sandford's Ranch (see Sanfords Ranch), 5 mi [=8 km] S Muger river	Ethiopia		9° 55' 00" N 37° 56' 00" E	
Sandile's Cave, 17.7 km N, 9.5 km NW King William's Town (see also: King William's Town, 17.7 km N, 9.5 km W, King William's Town, 20 km NNW)	South Africa		32° 43' 00" S 27° 17' 30" E	800 m
Sandile's Rest Trout and Forest Country Estate	South Africa		32° 39' 40" S 27° 17' 53" E	
Sandleni Primary School	Swaziland		27° 04' 00" S 31° 25' 00" E	
Sandrivierbrug	South Africa			
Sandspruit Cave (see Farm Sandspruit), 40 mi [=64 km] WNW Warmbad	South Africa		25° 41' 00" S 27° 55' 00" E	
Sandspruit Cave (see Gatkop cave), 40 mi [=64 km] WNW Warmbad	South Africa		24° 37' 05" S 27° 39' 08" E	
Sandspruit cave 2, NW of	South Africa		23° 08' 00" S 28° 24' 00" E	
Sandspruit Cave No. 1 (see Gatkop cave), Rooiberg	South Africa		24° 37' 05" S 27° 39' 08" E	
Sandspruit Cave No. 2 (see Gatkop cave)	South Africa		24° 37' 05" S 27° 39' 08" E	
Sandspruit, Farm (see Farm Sandspruit), 40 mi WNW Warmbad	South Africa		25° 41' 00" S 27° 55' 00" E	
Sandstone cave	South Africa	ca.	27° 33' 36" S 30° 12' 36" E	
Sandup (see Klein Namutoni (waterholes))	Namibia		18° 49' 00" S 16° 57' 00" E	3400 ft
Sanfords Ranch, 5 mi [=8 km] S Muger river (see also: Muger river, 5 mi [=8 km] S, Mugher river, 5 mi [=8 km] S, Sandford's Ranch)	Ethiopia		9° 55' 00" N 37° 56' 00" E	
Sangaleam (see Sangalkam)	Senegal		14° 46' 52" N 17° 13' 40" W	22 m
Sangalkam (see also: Sangaleam)	Senegal		14° 46' 52" N 17° 13' 40" W	22 m
Sangbui (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sange	Congo (Democratic Republic of the)		3° 05' 34" S 29° 14' 47" E	
Sangha departement	Congo			
Sangha Mbaéré prefecture	Central African Republic			
Sangha River	Central African Republic	ca.	3° 07' 00" N 16° 07' 00" E	
Sangmelima	Cameroon		2° 56' 00" N 11° 59' 00" E	
Sangmélima	Cameroon		2° 56' 00" N 11° 59' 00" E	543 m
Sangmelima, 4 km NNE	Cameroon		2° 56' 00" N 11° 59' 00" E	
Sangmélima, 4 km NNE (see Mintjaminyumin)	Cameroon		2° 56' 00" N 11° 59' 00" E	
Sangmélima, 6 km NNW (see Foulassi)	Cameroon		2° 59' 00" N 11° 58' 00" E	
Sangmélima, 6? km NNW (see Sangmélima, 6? km NNW) (see also: Sangmélima, 6? km NNW)	Cameroon		2° 56' 00" N 11° 59' 00" E	
Sangmelima, 62 km NNW	Cameroon		3° 26' 00" N 11° 43' 00" E	
Sangmélima, 62 km NNW (see Métet)	Cameroon		3° 26' 00" N 11° 43' 00" E	
Sangs River Forest Reserve	Nigeria		8° 20' 00" N 9° 10' 00" E	
Sangueve	Angola		13° 53' 00" S 15° 50' 00" E	1642 m
Sanguié province	Burkina Faso			
Sangwali, on Linyanti river	Namibia		18° 16' 00" S 23° 38' 00" E	956 m
Saniquellie (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sankuru province	Congo (Democratic Republic of the)	ca.	4° 58' 00" S 23° 27' 00" E	
SanLuis (see St-Louis)	Senegal		16° 01' 56" N 16° 37' 00" W	0 m
Sanmatenga province	Burkina Faso			
Sannar, between Kéréri, Halfaye and Surerát on the Nile near Khartoum (see also: Sennaar, Sennar, Sennar, Sinnar)	Sudan		13° 33' 00" N 33° 38' 00" E	390 m
Sanniguellie (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanniquellie (see also: Sanaquelli, Sangbui, Saniquellie, Sanniguellie, Sanokole, Sanokwele, Sanokwelle, Sanoquelli, Sanquilly, Senbui)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanniquellie, 5 mi [=8 km] S	Liberia	ca.	7° 24' 00" N 8° 45' 00" W	

Sanokole (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanokwele (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanokwelle (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanoquelli (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
San-Pédro region	Côte d'Ivoire			
Sanquilly (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sansane-Mangu (see Sansanné-Mango)	Togo		10° 21' 33" N 0° 28' 15" E	134 m
Sansanné-Mango (see also: Mango, Nsara, N'Zara, Sansane-Mangu)	Togo		10° 21' 33" N 0° 28' 15" E	134 m
Santa Catanna (see Santa Catarina)	São Tomé and Principé		0° 16' 00" N 6° 29' 00" E	124 m
Santa Catarina, between Río Cantador and Río Lemba (see also: Santa Catanna)	São Tomé and Principé		0° 16' 00" N 6° 29' 00" E	124 m
Santa Cruz de Nviayong, Ndubu river	Equatorial Guinea			
Santa Isabel (see Malabo)	Equatorial Guinea		3° 45' 04" N 8° 44' 31" E	0 m
Santana Island, cave on (see also: Cueva Santa Ana)	São Tomé and Principé		0° 14' 29" N 6° 45' 32" E	
Santiago de Baney, at 100 m from the banks of the Eola river (see also: Baney, Bany, Laka-Baney)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Santiago island	Cape Verde			
Santo Amaro	São Tomé and Principé		0° 22' 00" N 6° 42' 00" E	152 m
Santo Antão island	Cape Verde			
Santo António, Río Papagio (see also: Cidade de Santo António, San Antonio, Santo António, 1 km S, São Antõnio)	São Tomé and Principé		1° 40' 00" N 7° 25' 00" E	
Santo António, 1 km S (see Santo António), Río Papagio	São Tomé and Principé	ca.	1° 40' 00" N 7° 25' 00" E	
Sanyati (see Munyati)	Zimbabwe		18° 39' 00" S 29° 47' 00" E	1064 m
Sanyati West	Zimbabwe		16° 52' 30" S 28° 37' 30" E	
Sanyati West Camp	Zimbabwe		16° 37' 30" S 28° 37' 30" E	
São Antõnio (see Santo António)	São Tomé and Principé		1° 40' 00" N 7° 25' 00" E	
São Félipe de Benguela (see Benguela)	Angola		12° 34' 42" S 13° 24' 26" E	39 m
São Filipe (see also: San Filipo, Sao Filipo, St. Filippe, Vila de São Filippe, Vila São Filipe)	Cape Verde		14° 54' 00" N 24° 31' 00" W	77 m
Sao Filipo (see São Filipe)	Cape Verde		14° 54' 00" N 24° 31' 00" W	77 m
São Januaria (see Humpata)	Angola		15° 01' 00" S 13° 23' 00" E	1856 m
São Januaria da Humpata (see Humpata)	Angola		15° 01' 00" S 13° 23' 00" E	1856 m
São João	São Tomé and Principé		1° 39' 00" N 7° 26' 00" E	
São José de Bissáu (see Bissau)	Guinea-Bissau		11° 51' 00" N 15° 35' 00" W	0 m
São Mateus, between Santo Antonio and Puerto Real	São Tomé and Principé		1° 38' 00" N 7° 24' 00" E	252 m
São Miguel Island (see also: San Miguel Island, St Michael)	Azores [Portugal]	ca.	37° 47' 00" N 25° 30' 00" W	
São Nicolau island	Cape Verde			
São Paulo da Assunção de Luanda (see Luanda)	Angola		8° 50' 18" S 13° 14' 04" E	6 m
São Paulo de Loanda (see Luanda)	Angola		8° 50' 18" S 13° 14' 04" E	6 m
São Paulo de Luanda (see Luanda)	Angola		8° 50' 18" S 13° 14' 04" E	6 m
Sao Tome (see São Tomé island)	São Tomé and Principé	ca.	0° 12' 00" N 6° 39' 00" E	
São Tomé and Principé	São Tomé and Principé			
São Tomé island (see also: Island of St. Thomas, Sao Tome, St. Thomas Island)	São Tomé and Principé	ca.	0° 12' 00" N 6° 39' 00" E	
São Vicente	Cape Verde		16° 50' 00" N 25° 00' 00" W	
São Vicente island	Cape Verde			
Saoura province	Algeria			
Sapoba	Nigeria		6° 06' 23" N 5° 53' 55" E	72 m
Sapoba Forest Reserve	Nigeria		6° 04' 32" N 5° 49' 09" E	
Saqqara (see Saqqarah)	Egypt		29° 51' 00" N 31° 13' 00" E	19 m
?aqqâra (see Saqqarah)	Egypt		29° 51' 00" N 31° 13' 00" E	19 m
Saqqara pyramids (see Saqqarah)	Egypt		29° 51' 00" N 31° 13' 00" E	19 m
Saqqarah (see also: El-'Aiyat, Sacarra pyramids, Sakhara, Sakkara, Sakkara pyramids, Sakkoura pyramids, Saqqara, ?aqqâra, Saqqara pyramids)	Egypt		29° 51' 00" N 31° 13' 00" E	19 m
Saranda (see also: Savanda)	Tanzania		5° 43' 00" S 34° 59' 00" E	1074 m
Sarh (see also: Archambault, Fort Archambault, Sahr)	Chad		9° 09' 00" N 18° 23' 00" E	347 m

Sarh, 30 mi [=48 km] N	Chad	ca.	9° 09' 00" N 18° 23' 00" E	
Sarmach (see Sarmai)	Kenya		1° 46' 00" N 35° 28' 00" E	
Sarmai	Kenya		1° 46' 00" N 35° 28' 00" E	610 m
(see also: Sarmach)				
Sarnia	South Africa		29° 50' 00" S 30° 52' 00" E	
Sarnia road, 28	South Africa		29° 53' 21" S 30° 58' 59" E	28 m
Sarodrano	Madagascar		23° 30' 37" S 43° 44' 07" E	0 m
Sarodrano cave	Madagascar		23° 30' 37" S 43° 44' 07" E	
(see also: Grotte de Sarodrano, Grotte de Sarondrana, Sarondrana cave)				
Sarodrano, 3.7 km SSE (see Grotte d'Ambanilia)	Madagascar		23° 32' 24" S 43° 46' 01" E	
Sarondrana cave (see Sarodrano cave)	Madagascar		23° 30' 37" S 43° 44' 07" E	
Sarum, Farm 245LS (see Farm Sarum 245LS), 16 km NW Louis Trichardt; Buzzard Mountain Retreat	South Africa		23° 02' 00" S 29° 46' 00" E	
Saruwi river	Ghana		5° 06' 00" N 1° 19' 00" W	
(see also: Sirwi river, Suruwi river, Suwi river)				
Sasare Old Mine, Petauke district	Zambia		13° 55' 00" S 31° 22' 00" E	
SASEX (see Sugar Research Association Estate)	South Africa		29° 42' 00" S 31° 02' 00" E	
Sasolburg, 7 km N (see Farm Rietfontein 404)	South Africa		26° 46' 00" S 27° 43' 30" E	
Sassandra River	Côte d'Ivoire		7° 00' 00" N 7° 03' 00" W	
Sassandra-Marahoué district	Côte d'Ivoire			
Sassandre department	Côte d'Ivoire			
Satara (see Satara Ruskamp)	South Africa		24° 23' 52" S 31° 46' 42" E	
Satara area	South Africa	ca.	24° 23' 00" S 31° 47' 00" E	
Satara Rest Camp (see Satara Ruskamp)	South Africa		24° 23' 52" S 31° 46' 42" E	
Satara Ruskamp	South Africa		24° 23' 52" S 31° 46' 42" E	
(see also: Satara, Satara Rest Camp)				
Satara, 8 km E, old bridge over Nwanedzi River	South Africa		24° 24' 00" S 31° 50' 00" E	
Satema, 1.5 km N, 0.5 km W	Ethiopia			2165 m
Saubre (see Soubré)	Côte d'Ivoire		5° 46' 55" N 6° 36' 25" W	140 m
Saudi Arabia	Saudi Arabia			
Sauena (see Sawena)	Ethiopia		7° 23' 00" N 41° 16' 00" E	1195 m
Saulale	Saulale			
Savanda (see Saranda)	Tanzania		5° 43' 00" S 34° 59' 00" E	1074 m
Savanes (former) region	Côte d'Ivoire			
Savanes district	Côte d'Ivoire			
Savanes region	Togo			
Savanne district	Mauritius			
Savé	Benin		8° 02' 33" N 2° 29' 10" E	252 m
Save River Bridge, 30 km N?	Mozambique		21° 37' 48" S 32° 22' 48" E	
Save river, 15 km from mouth	Mozambique		20° 57' 29" S 35° 05' 13" E	
Save River, S of bridge on EN1	Mozambique		21° 10' 33" S 34° 44' 47" E	52 m
Sawakin	Sudan		19° 12' 21" N 37° 19' 56" E	59 m
(see also: Suakin)				
Sawena	Ethiopia		7° 23' 00" N 41° 16' 00" E	1195 m
(see also: Sauena)				
Sawla, 15 mi [=24 km] E	Ghana	ca.	9° 17' 00" N 2° 25' 00" W	
Saxenhof	Cameroon		4° 05' 54" N 9° 13' 02" E	469 m
Saxony Cave, 15 km N Pietermaritzburg	South Africa		29° 28' 00" S 30° 20' 00" E	790 m
(see also: Pietermaritzburg, 15 km N)				
Saylac	Somalia		11° 21' 14" N 43° 28' 26" E	5 m
(see also: Seelaac, Séyla', Seylac, Zayla, Zeila, Zeyla, Zeylac)				
Saylah (see Silah)	Egypt		29° 21' 22" N 30° 58' 08" E	2 m
Sbeitla, 60 km N (see Sbeitla, pool 40 km NW)	Tunisia		35° 43' 42" N 9° 07' 58" E	
Sbeitla, pool 40 km NW, 4 km N of GP 3, on MC 77	Tunisia	ca.	35° 21' 22" N 9° 26' 22" E	
(see also: Ar Raw?iyah, 10 km NE, Rohia, 10 km NE, Sbeitla, 60 km N, Souk et Tnine, 10 km N)				
Scalla, Lago (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Scaries river	Sierra Leone			
Scarna mine, 10 km NE Rohia, 60 km N Sbeitla	Tunisia		35° 43' 42" N 9° 07' 58" E	
Scech Hussein (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Scech Hussen (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Schaapplaas, Farm 1785 (see Farm Schaapplaas 1785), Clarens	South Africa	ca.	28° 34' 28" S 28° 27' 09" E	
Schaapplaats, Farm 930 (see Farm Schaapplaats 930)	South Africa		27° 55' 42" S 28° 58' 21" E	
Scheschauen (see Chefchaoune), Rif	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Schiare (see Shiare)	Ghana		8° 18' 00" N 0° 36' 00" E	728 m
Schieffelin, on Junk river	Liberia		6° 13' 17" N 10° 32' 16" W	94 m
(see also: Camp Schieffellin, Schieffelinsville, Schieffellin)				
Schieffelinsville (see Schieffelin), on Junk river	Liberia		6° 13' 17" N 10° 32' 16" W	94 m
Schieffellin (see Schieffelin), on Junk river	Liberia		6° 13' 17" N 10° 32' 16" W	94 m
Schoa (see Shoa)	Ethiopia		9° 00' 00" N 39° 00' 00" E	1981 m
Schoemans Farm "Laughing Waters", 18 km S Malelane	South Africa	ca.	25° 39' 05" S 31° 32' 45" E	
(see also: Malelane, 18 km S)				

Schoenmakerskop (see Skoenmakerskop)	South Africa		34° 02' 26" S 25° 32' 39" E	
Scholtze Kloof, Farm 154 (see Farm Scholtze Kloof 154)	South Africa		33° 15' 36" S 21° 59' 47" E	675 m
Schulp Fontein, Farm 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	South Africa		30° 05' 00" S 17° 11' 30" E	
Schulpfontien, Farm 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	South Africa		30° 05' 00" S 17° 11' 30" E	
Schurueberg Cave 1 (see Schurweberg caves)	South Africa		25° 48' 39" S 28° 00' 27" E	
Schurweberg, Pretoria (see also: Pretoria, 17 km W, Schurweberg caves)	South Africa		25° 48' 39" S 28° 00' 27" E	
Schurweberg caves (see Schurweberg), 17 km W Pretoria (see also: Schurueberg Cave 1)	South Africa		25° 48' 39" S 28° 00' 27" E	
Schurwepoort, Farm 448 (see Farm Schurwepoort 448), Koppies	South Africa		27° 25' 00" S 27° 35' 00" E	
Schwarzerfels, Farm 33 (see Farm Schwarzerfels 33)	Namibia		20° 27' 15" S 16° 16' 25" E	1400 m
Sciere Forest	Congo (Democratic Republic of the)		3° 10' 00" S 25° 49' 00" E	
Scierie Forest, 30 km SW Kindu (see also: Kindu, 30 km SW)	Congo (Democratic Republic of the)		3° 10' 00" S 25° 49' 00" E	
Scioa province (see Shewa Kifle Hager province)	Ethiopia	ca.	9° 00' 00" N 39° 00' 00" E	
Sciumagalle Mine, 10 km NW Asmara (see also: Asmara, 10 km NW, Asmera, 10 km NW)	Eritrea		15° 23' 00" N 38° 51' 00" E	2371 m
Scottburg (see Scottburgh)	South Africa		30° 17' 00" S 30° 45' 00" E	
Scottburgh (see also: Scottburg, Scottsburgh, Scottsburgh Golf Course)	South Africa		30° 17' 00" S 30° 45' 00" E	
Scottburgh area, South Coast	South Africa	ca.	30° 17' 00" S 30° 45' 00" E	
Scottburgh, 14 km SSW (see Umdoni Park)	South Africa		30° 24' 00" S 30° 41' 00" E	50 m
Scottsburgh (see Scottburgh)	South Africa		30° 17' 00" S 30° 45' 00" E	
Scottsburgh Golf Course (see Scottburgh)	South Africa		30° 17' 00" S 30° 45' 00" E	
Scottsville, 26 Hutchinson Road	South Africa		29° 36' 00" S 30° 26' 00" E	
Scrutton, Farm 23MT (see Farm Scrutton 23MT), 32 km E Messina	South Africa		22° 21' 00" S 30° 21' 00" E	1450 ft
Sea View (see also: Seaview)	South Africa		29° 53' 26" S 30° 57' 48" E	
Sea-Atlas	Algeria			
Seacow Lake, Durban (see also: Lake Seacow, Northern Sewage Works)	South Africa		29° 52' 00" S 31° 00' 00" E	
Seapa (see White Hill)	Lesotho		30° 03' 00" S 28° 29' 00" E	1641 m
Seaview (see Sea View)	South Africa		29° 53' 26" S 30° 57' 48" E	
Sebaki river (see also: Sabaki river)	Kenya		3° 09' 00" S 38° 00' 00" E	
Sebakwe River (see Gem Tree Ranch), Que-Que, Rhodesdale, Gem Tree Ranch	Zimbabwe	ca.	18° 55' 00" S 30° 50' 00" E	
Sebasa	South Africa			
Sebdou	Algeria		34° 38' 33" N 1° 19' 59" W	904 m
Sebdou, 20 km NW	Algeria	ca.	34° 38' 33" N 1° 19' 59" W	
Sebei (see Kapchorwa)	Uganda		1° 22' 58" N 34° 31' 28" E	2419 m
Sebei College, cave 1 mi [=1.6 km] SW	Uganda	ca.	1° 22' 58" N 34° 31' 28" E	
Sebei College, cave 2 mi [=3.2 km] SW	Uganda	ca.	1° 22' 58" N 34° 31' 28" E	
Sebt Aït Saghiouchen (see also: Sebt Aït Seghouchen, Sebt-des-Ait-Serhrouchen)	Morocco		34° 00' 23" N 4° 33' 12" W	
Sebt Aït Seghouchen (see Sebt Aït Saghiouchen)	Morocco		34° 00' 23" N 4° 33' 12" W	
Sebt-des-Ait-Serhrouchen (see Sebt Aït Saghiouchen)	Morocco		34° 00' 23" N 4° 33' 12" W	
Secheili's Oude Stad, Farm 6 (see Farm Secheili's Oude Stad 6), Zeerust	South Africa		24° 53' 00" S 25° 58' 00" E	
Sederberg [Farmstead] (see also: Cedarberg [Farmstead], Cederberg [Farmstead])	South Africa		32° 30' 00" S 19° 16' 00" E	
Sédhiou (see also: Sedhiu)	Senegal		12° 42' 29" N 15° 33' 25" W	33 m
Sédhiou department	Senegal	ca.	12° 42' 29" N 15° 33' 25" W	
Sédhiou region	Senegal			
Sedhiu (see Sédhiou)	Senegal		12° 42' 29" N 15° 33' 25" W	33 m
Sedibeng district	South Africa			
Seelaac (see Saylac)	Somalia		11° 21' 14" N 43° 28' 26" E	5 m
Sefrou prefecture	Morocco			
Sefwi Anwiawso (see also: Anhwieso, Anwiaswo, Brahababum, Sefwi Awiaso, Sehwi Anhwiaso, Sehwi Awiaso, Sewhi Wiaso)	Ghana		6° 19' 50" N 2° 15' 00" W	
Sefwi Asemparaye (see Asampaniye)	Ghana		6° 30' 00" N 2° 54' 00" W	251 m
Sefwi Asenparage (see Asampaniye)	Ghana		6° 30' 00" N 2° 54' 00" W	251 m

Sefwi Awiaso (see Sefwi Anwiawso)	Ghana		6° 19' 50" N 2° 15' 00" W	
Sefwi Mafra (see Mafia)	Ghana		6° 27' 00" N 2° 56' 00" W	159 m
Seganeiti (see Segheneyti)	Eritrea		15° 03' 10" N 39° 11' 14" E	2117 m
Ségbana	Benin		10° 55' 40" N 3° 41' 35" E	255 m
Segbwema (see also: Segbwemba)	Sierra Leone		8° 00' 00" N 10° 57' 00" W	
Segbwema, 1 mi [=1.6 km] SE	Sierra Leone		8° 00' 00" N 10° 57' 00" W	
Segbwemba (see Segbwema)	Sierra Leone		8° 00' 00" N 10° 57' 00" W	
Segeleyti (see Segheneyti)	Eritrea		15° 03' 10" N 39° 11' 14" E	2117 m
Ségélo-Koro (see also: Séguélo)	Côte d'Ivoire		9° 24' 31" N 7° 09' 00" W	457 m
Segeneyti (see Segheneyti)	Eritrea		15° 03' 10" N 39° 11' 14" E	2117 m
Segheneyti (see also: Saganeiti, Seganeiti, Segeleyti, Segeneyti)	Eritrea		15° 03' 10" N 39° 11' 14" E	2117 m
Segoma Forest Reserve	Tanzania		4° 58' 00" S 38° 45' 00" E	
Ségou region	Mali			
Seguela department	Côte d'Ivoire			
Séguélo (see Ségélo-Koro)	Côte d'Ivoire		9° 24' 31" N 7° 09' 00" W	457 m
Séguénéga, 6 km SE	Burkina Faso		13° 24' 00" N 1° 55' 01" W	
Sehithwa, 10 mi [=16 km] SW (see also: Sehitwa, 10 mi [=16 km] SW)	Botswana		20° 43' 01" S 22° 37' 59" E	
Sehithwa, 14 mi [=22.5 km] W (see Dautsa Flats)	Botswana		20° 34' 48" S 22° 31' 48" E	
Sehithwa, 60 km W (see Mabeleapodi)	Botswana		22° 12' 47" S 26° 49' 59" E	
Sehitwa, 10 mi [=16 km] SW (see Sehithwa, 10 mi [=16 km] SW)	Botswana		20° 43' 01" S 22° 37' 59" E	
Sehitwa, 14 mi [=22.5] km W (see Dautsa Flats)	Botswana		20° 34' 48" S 22° 31' 48" E	
Sehitwa, 60 km W (see Mabeleapodi)	Botswana		22° 12' 47" S 26° 49' 59" E	
Sehlabathebe National Park, small dam	Lesotho		29° 52' 00" S 29° 05' 00" E	2795 m
Sehonghong, Moqotoane	Lesotho		29° 48' 00" S 28° 49' 00" E	1714 m
Sehwi Anhwiaso (see Sefwi Anwiawso)	Ghana		6° 19' 50" N 2° 15' 00" W	
Sehwi Awiaso (see Sefwi Anwiawso)	Ghana		6° 19' 50" N 2° 15' 00" W	
Seila (see Silah)	Egypt		29° 21' 22" N 30° 58' 08" E	2 m
Sekezhi stream, headwaters (see Sakeji stream, headwaters)	Zambia		11° 21' 00" S 24° 15' 00" E	436 m
Sekhukhune district (see also: Greater Sekhujhune district)	South Africa			
Sekondi	Ghana		4° 56' 00" N 1° 42' 00" W	0 m
Selangor	Mali			
Selenda, mount (see also: Selinda, mount, Silinda, mount)	Zimbabwe		20° 24' 00" S 32° 42' 00" E	
Selibe Phikwe town council	Botswana			
Selinda, Melsetter district	Zimbabwe		20° 52' 30" S 32° 52' 30" E	
Selinda Spillway	Botswana		18° 35' 00" S 23° 33' 00" E	
Selinda, mount (see Selenda, mount)	Zimbabwe		20° 24' 00" S 32° 43' 00" E	
Sélingué	Mali		11° 37' 00" N 8° 14' 00" W	322 m
Sella (see Cella)	Burkina Faso		11° 37' 00" N 0° 22' 00" W	228 m
Sella, 1 km N (see Cella, 1 km N)	Burkina Faso		11° 38' 00" N 0° 22' 00" W	ca. 230 m
Selukwe (see Shurugwi)	Zimbabwe		19° 40' 00" S 30° 00' 00" E	1501 m
Sembabule district	Uganda			
Sembel, 8 mi [=13 km] SW Asmara (see also: Asmara, 8 mi [=13 km] SW, Asmera, 8 mi [=13 km] SW)	Eritrea	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
Semdoe Forest Reserve, Muheza district	Tanzania		4° 56' 05" S 38° 42' 32" E	
Semei (see Sumay?)	Sudan		12° 43' 00" N 30° 50' 00" E	472 m
Semeih (see Sumay?)	Sudan		12° 43' 00" N 30° 50' 00" E	472 m
Semeiha (see Sumay?)	Sudan		12° 43' 00" N 30° 50' 00" E	472 m
Semeith (see Sumay?)	Sudan		12° 43' 00" N 30° 50' 00" E	472 m
Semen mountains (see Simen mountains)	Ethiopia		13° 21' 00" N 38° 18' 00" E	
Semenawi Keyih Bahri region	Eritrea			
Semien mountains (see Simen mountains)	Ethiopia		13° 21' 00" N 38° 18' 00" E	
Semliki flats (see also: Semliki Game Reserve)	Uganda		0° 49' 00" N 30° 04' 00" E	
Semliki Game Reserve (see Semliki flats)	Uganda		0° 49' 00" N 30° 04' 00" E	
Semliki river	Congo (Democratic Republic of the)		0° 45' 00" N 29° 50' 00" E	
Semmio	Semmio			
Semmio (see Zemio), Niam-Niam	Congo (Democratic Republic of the)		5° 03' 00" N 27° 07' 00" E	
Semnio (see Zemio)	Congo (Democratic Republic of the)		5° 03' 00" N 27° 07' 00" E	
Semonkong (mission), Phallang	Lesotho		29° 49' 00" S 28° 06' 00" E	
Semsa (see also: Samsa)	Morocco		35° 35' 24" N 5° 24' 00" W	114 m
Semsa cave (see also: Grotte de Samsa, Samsa cave)	Morocco		35° 35' 24" N 5° 24' 00" W	114 m

Sena (see Vila de Sena), S of Zambezi River	Mozambique		17° 26' 30" S 35° 01' 38" E	69 m
Senanga	Zambia		16° 07' 00" S 23° 16' 00" E	967 m
(see also: Senanza)				
Senanza (see Senanga)	Zambia		16° 07' 00" S 23° 16' 00" E	967 m
Senbui (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Senegal	Senegal			
Senegal river	Senegal			
(see also: Fleuve Sénégal)				
Senegal River, upper	Senegal			
(see also: Haut Sénégal)				
Senegerma	Tanzania		2° 40' 00" S 32° 39' 00" E	1276 m
Senekal, Asem	South Africa		28° 19' 00" S 27° 36' 00" E	
Senenga, 50 km NE	Zambia		15° 37' 12" S 23° 22' 12" E	
Senenga, 59 km NE	Zambia		15° 37' 12" S 23° 22' 12" E	
Senga, 15 mi [=24 km] S Walikale	Congo (Democratic Republic of the)		1° 39' 54" S 28° 07' 14" E	950 m
Senga (see Sinjah)	Sudan		13° 09' 00" N 33° 56' 00" E	397 m
Sengwa Wildlife area (see Sengwa Wildlife Research Area), 75 km W Gokwe	Zimbabwe		18° 10' 00" S 28° 13' 00" E	
Sengwa Wildlife Research Area, 75 km W Gokwe	Zimbabwe		18° 10' 00" S 28° 13' 00" E	
(see also: Gokwe, 75 km W, Sengwa Wildlife area, Sengwa Wildlife Research Ranch, Sengwa Wildlife Research Station, Sengwe, Sengwe Wildlife Research Area)				
Sengwa Wildlife Research Ranch (see Sengwa Wildlife Research Area), 75 km W Gokwe	Zimbabwe		18° 10' 00" S 28° 13' 00" E	
Sengwa Wildlife Research Station (see Sengwa Wildlife Research Area), 75 km W Gokwe	Zimbabwe		18° 10' 00" S 28° 13' 00" E	
Sengwe (see Sengwa Wildlife Research Area)	Zimbabwe		18° 10' 00" S 28° 13' 00" E	
Sengwe Wildlife Research Area (see Sengwa Wildlife Research Area)	Zimbabwe		18° 10' 00" S 28° 13' 00" E	
Sennaar (see Sannar), Abyssinia	Sudan		13° 33' 00" N 33° 38' 00" E	390 m
Sennaar, 20 mi [=32 km] above	Sudan	ca.	13° 35' 00" N 33° 38' 00" E	450 m
Sennar (see Sannar)	Sudan		13° 33' 00" N 33° 38' 00" E	390 m
Sennar (see Sannar), Abyssinia	Sudan		13° 33' 00" N 33° 38' 00" E	390 m
Sennar state	Sudan			
Senneville	Mauritius		20° 30' 04" S 57° 33' 00" E	151 m
Séno province	Burkina Faso			
Sentinal Ranch, Limpopo river	Zimbabwe		22° 10' 10" S 29° 30' 20" E	
(see also: Sentinel Ranch)				
Sentinel Ranch (see Sentinal Ranch), Limpopo river; Tongani river	Zimbabwe		22° 10' 10" S 29° 30' 20" E	
Sepopa	Botswana		18° 37' 00" S 22° 07' 00" E	
(see also: Sepope)				
Sepope (see Sepopa)	Botswana		18° 37' 00" S 22° 07' 00" E	
Sept Lacs	Madagascar		23° 31' 15" S 44° 08' 35" E	ca. 110 m
Serabu	Sierra Leone		7° 47' 45" N 12° 03' 08" W	41 m
Sérédou	Guinea		8° 22' 56" N 9° 17' 59" W	
(see also: Seredou)				
Seredou (see Sérédou)	Guinea		8° 22' 56" N 9° 17' 59" W	
Sereifa (see Surayfah)	Sudan		11° 28' 00" N 34° 32' 00" E	467 m
Serengeti National Park	Tanzania		2° 20' 00" S 34° 50' 00" E	
(see also: Serengeti Research Institute)				
Serengeti Research Institute (see Serengeti National Park)	Tanzania		2° 20' 00" S 34° 50' 00" E	
Serere	Uganda		1° 29' 39" N 33° 27' 19" E	1085 m
Serere Agricultural Research Station (see Teso)	Uganda		1° 31' 00" N 33° 27' 00" E	
Serere district	Uganda			
Seriba Ghatta	South Sudan		7° 24' 00" N 28° 36' 00" E	
Seribe	Lesotho			
Seronera, Serengeti	Tanzania		2° 25' 00" S 34° 50' 00" E	1463 m
Seronga, 116.5 km ESE	Botswana	ca.	19° 00' 00" S 23° 00' 00" E	1005 m
Seronga, 72 km ESE	Botswana		19° 06' 00" S 21° 48' 00" E	1000 m
Serowe, 40 mi [=64 km] NW	Botswana	ca.	22° 23' 00" S 26° 43' 00" E	
Serowe, sewage ponds	Botswana		22° 24' 11" S 26° 41' 34" E	
Serowe, village 2 km from	Botswana	ca.	22° 25' 00" S 26° 44' 00" E	
Serra Mabu (see Mabu, mount)	Mozambique		16° 16' 57" S 36° 22' 54" E	980 m
Serra Mecula	Mozambique		12° 04' 48" S 37° 38' 24" E	1227 m
(see also: Mount Mecula)				
Serula	Botswana		21° 58' 00" S 27° 20' 00" E	
Seruli	Botswana		22° 17' 00" S 27° 23' 00" E	1026 m
(see also: Motusi Village)				
Sesfontein	Namibia		19° 08' 00" S 13° 37' 00" E	628 m
(see also: Ohamuheke, Zesfontein, Zessfontein)				
Sesse island (see Bugala island), Lake Victoria	Uganda		0° 19' 13" N 32° 14' 38" E	
Setache	Mozambique		21° 41' 32" S 33° 31' 18" E	
(see also: Dabacua Setache)				

Sétif	Algeria		36° 13' 00" N 5° 25' 00" E	1080 m
Sétif province	Algeria			
Settat prefecture	Morocco			
Setté Cama (see also: Cette Cama)	Gabon		2° 32' 00" S 9° 45' 00" E	0 m
Setwi, Base Camp, 16 mi from Setwi	Ghana		6° 27' 00" N 1° 28' 00" W	
Sevilla de Niefang (see also: Finca Niefang, Niefang, Niefang, Forestry Service)	Equatorial Guinea		1° 50' 36" N 10° 13' 59" E	
Sewhi Wiaso (see Sefwi Anwiawso)	Ghana		6° 19' 50" N 2° 15' 00" W	
Seychelle Islands	Seychelle Islands			
Seychelles	Seychelles			
Seychelles, small islands near	Seychelle Islands			
Séyla' (see Saylac)	Somalia		11° 21' 14" N 43° 28' 26" E	5 m
Seylac (see Saylac)	Somalia		11° 21' 14" N 43° 28' 26" E	5 m
Seymour, 6.3 km N, 6.4 km W (see Farm Pretty View)	South Africa		32° 29' 49" S 26° 42' 14" E	850 m
Sezela, 3 Msinzi Avenue	South Africa		30° 25' 00" S 30° 41' 00" E	
Sezela Tunnel	South Africa		30° 25' 00" S 30° 35' 00" E	
Sfax (see also: Safaqis, Taparura)	Tunisia		34° 44' 26" N 10° 45' 37" E	12 m
Sfax governorate	Tunisia			
Sha Kazau (see Elias Garcia), 150 km SSE Dundo	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Shaba, Lubumbashi	Congo (Democratic Republic of the)			
Shaba (former) province (see Katanga (former) province), see Tanganika, Haut Katanga, Kolwezi, Haut Lomani or Lualaba provinces	Congo (Democratic Republic of the)			
Shabeellaha Dhexe region (see also: Middle Shabelle region |PC:SD|)	Somalia			
Shabeellaha Hoose region (see also: Lower Shabelle region |PC:SH|)	Somalia			
Shabunda	Congo (Democratic Republic of the)		2° 42' 00" S 27° 20' 00" E	596 m
Shabunda territory	Congo (Democratic Republic of the)		2° 42' 00" S 27° 20' 00" E	
Shagamu (see also: Sagamu)	Nigeria		6° 50' 36" N 3° 38' 52" E	63 m
Shagunnu (see also: Shagunu, Shagunu Borgu)	Nigeria		10° 20' 00" N 4° 28' 00" E	77 m
Shagunu (see Shagunnu)	Nigeria		10° 20' 00" N 4° 28' 00" E	77 m
Shagunu Borgu (see Shagunnu)	Nigeria		10° 20' 00" N 4° 28' 00" E	77 m
Shai Hills	Ghana		5° 54' 30" N 0° 03' 41" E	
Shai Hills Game Reserve (see also: Shai Hills Resource Reserve)	Ghana		5° 57' 00" N 0° 04' 00" E	
Shai Hills Resource Reserve (see Shai Hills Game Reserve)	Ghana		5° 57' 00" N 0° 04' 00" E	
Shai Hills Resources Reserve, North End	Ghana		5° 57' 00" N 0° 04' 00" E	
Shaikh Barghuth (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Shainkolobwe (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Shai-Shai (see Xai-Xai), Maputo, 200 km N	Mozambique		25° 03' 07" S 33° 38' 39" E	9 m
Shak Shouk (see Shakshuk)	Egypt		29° 27' 46" N 30° 42' 26" E	
Shakani, Zanzibar	Tanzania		6° 14' 00" S 39° 14' 00" E	7 m
Shakawe, Ngamiland	Botswana		18° 21' 00" S 21° 52' 00" E	983 m
Shakawe, 15 mi [=24 km] S	Botswana	ca.	18° 37' 00" S 21° 52' 00" E	
Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S	Botswana		18° 33' 00" S 21° 18' 00" E	
Shakawe, 70 km SW	Botswana	ca.	18° 33' 00" S 21° 01' 00" E	
Shakawe, near, Okavango River	Botswana		18° 22' 00" S 21° 51' 00" E	
Shakshouk (see Shakshuk)	Egypt		29° 27' 46" N 30° 42' 26" E	
Shakshuk (see also: Al Wayet Shakshuk, Al-Wayet Shakshuk, El Wâyet Shakshuk, Shak Shouk, Shakshouk, Shakshuk)	Egypt		29° 27' 46" N 30° 42' 26" E	
Shakshuk (see Shakshuk)	Egypt		29° 27' 46" N 30° 42' 26" E	
Shala Hayk' (see also: Lago Sciala, Lago Scialla, Lake Shala, Lake Shalla, Scalla, Lago, Shalla, lake, Shola)	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Shalla, lake (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Shallâl al ?imâr (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
Shalungwafontein (see Tshalungwa Fountain), 16 km NNE Punda Milia	South Africa		22° 32' 56" S 31° 04' 22" E	
ShamaPC:NB|)	South Sudan			
ShamaPC:ND|)	Sudan			
ShamaPC:NK|)	Sudan			

Shamal Sina' governorate (see also: North Sinai governorate |PC:SS|, Shamal Sina governorate |PC:SS|)	Egypt			
ShamaPC:SS|)	Egypt			
Shambe (see also: Shambi)	South Sudan		7° 06' 17" N 30° 46' 25" E	396 m
Shambi (see Shambe)	South Sudan		7° 06' 17" N 30° 46' 25" E	396 m
Shamo, lake (see Ch'amo Hayk')	Ethiopia		5° 50' 00" N 37° 33' 00" E	
Shamva, 48 km NE, on Mazoe river	Zimbabwe			
Shandi (see Shendi), Upper Nile	Sudan		16° 41' 29" N 33° 26' 03" E	376 m
Shangi (see also: Colline Shangi, Ishangi, Shangi Schad)	Rwanda		2° 24' 13" S 29° 00' 21" E	
Shangi Schad (see Shangi)	Rwanda		2° 24' 13" S 29° 00' 21" E	
Shangugu (see also: Cyangugu)	Rwanda		2° 29' 00" S 28° 53' 48" E	1537 m
Shannon [railroad siding], Bloemfontein	South Africa		29° 08' 00" S 26° 17' 00" E	
Sharkaylah (see Shurkela)	Sudan		12° 49' 00" N 31° 25' 00" E	436 m
SharkPC:SQ|)	Egypt			
SharqPC:EE|)	South Sudan			
Sharqiya (see Barr el-Sharqiya)	Egypt		31° 00' 55" N 32° 03' 45" E	
Shasha Forest Reserve	Nigeria		7° 03' 56" N 4° 26' 04" E	
Shashanga windmill, 5 km NW Punda Maria (see also: Punda Maria, 5 km NW)	South Africa		22° 39' 00" S 30° 59' 00" E	
Shashe [river] (see also: Shashi [river])	Zimbabwe		22° 12' 00" S 29° 21' 00" E	
Shashe and Limpopo junction (see Vhembi), Messina	South Africa		22° 26' 00" S 29° 22' 00" E	
Shashi [river] (see Shashe [river])	Zimbabwe		22° 12' 00" S 29° 21' 00" E	
Shashi-Limpopo River confluence	South Africa		22° 12' 00" S 29° 22' 00" E	
Shawa province (see Shewa Kifle Hager province)	Ethiopia	ca.	9° 00' 00" N 39° 00' 00" E	
Shaykh Burghuth (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Shedit (see Al Fayyum)	Egypt		29° 18' 28" N 30° 50' 24" E	39 m
Sheekh (see Shiikh)	Somalia		9° 56' 00" N 45° 11' 00" E	1439 m
Sheema district	Uganda			
Sheh Husen (see also: Scech Hussein, Scech Hussen, Sheik Hussein, Sheikh Hussein, Shek Husen, Shek Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Sheik Hussein (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Sheikh (see Shiikh)	Somalia		9° 56' 00" N 45° 11' 00" E	1439 m
Sheikh Barghuth (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Sheikh Hussein (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Sheila, Farm 10 (see Farm Sheila 10), Leydsdorp	South Africa		24° 03' 00" S 31° 09' 00" E	
Shek Husen (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Shek Husen (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Sheko area	Ethiopia	ca.	7° 06' 00" N 35° 39' 00" E	ca. 1750 m
Shell BM Camp, 5 mi E Kipini (see also: Kipini, 5 mi [=8 km] E)	Kenya		2° 31' 00" S 40° 31' 00" E	
Shellal el Homar (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
Shendam division	Nigeria			
Shendi, Upper Nile (see also: Shandi, Shendy, Shindî)	Sudan		16° 41' 29" N 33° 26' 03" E	376 m
Shendy (see Shendi), Upper Nile	Sudan		16° 41' 29" N 33° 26' 03" E	376 m
Shenhour	Egypt		29° 21' 00" N 30° 58' 00" E	
Shepstone Nature Reserve, Durban	South Africa		29° 51' 00" S 31° 00' 00" E	
Shepstone, 48 km NE (see Pennington [railroad siding])	South Africa		30° 23' 00" S 30° 42' 00" E	
Sherkeila (see Shurkela)	Sudan		12° 49' 00" N 31° 25' 00" E	436 m
Shetani cave (see Kilaguni Lodge), NW of Kilaguni lodge	Kenya	ca.	2° 53' 58" S 38° 03' 18" E	
Shewa Kifle Hager province (see also: Scioa province, Shawa province, Shewa province, Shoa province)	Ethiopia	ca.	9° 00' 00" N 39° 00' 00" E	
Shewa province (see Shewa Kifle Hager province)	Ethiopia	ca.	9° 00' 00" N 39° 00' 00" E	
Shiare (see also: Schiare, Siade)	Ghana		8° 18' 00" N 0° 36' 00" E	728 m
Shibambo (see also: Chibambo, Shibombo, Tshibambo)	Congo (Democratic Republic of the)		10° 18' 00" S 28° 37' 00" E	928 m
Shibe-Tolley	Ethiopia			
Shibombo (see Shibambo)	Congo (Democratic Republic of the)		10° 18' 00" S 28° 37' 00" E	928 m
Shifra	Ethiopia		11° 39' 00" N 40° 01' 00" E	
Shigella, near Arba Minch	Ethiopia	ca.	6° 02' 00" N 37° 33' 00" E	
Shihangwane	South Africa			
Shiikh (see also: Sheekh, Sheikh, Upper Sheikh)	Somalia		9° 56' 00" N 45° 11' 00" E	1439 m
Shikundulu river (see Chikundulu river)	Zambia		12° 57' 00" S 24° 14' 00" E	
Shikusa, near Kakamega	Kenya		0° 15' 00" N 34° 45' 00" E	5500 ft

Shilouwan (see Shilowa), 40 km S Shingwidzi	South Africa		23° 27' 00" S 31° 33' 00" E	397 m
Shilowa, 40 km S Shingwidzi	South Africa		23° 27' 00" S 31° 33' 00" E	397 m
(see also: Shilouwan, Shingwidzi, 40 km S)				
Shimani (see Shimoni)	Kenya		4° 38' 50" S 39° 23' 00" E	0 m
Shimba hills	Kenya		4° 13' 00" S 39° 25' 00" E	305 m
(see also: Chale plateau)				
Shimba hills (forest) (see Shimba Hills Nature Reserve)	Kenya		4° 14' 00" S 39° 25' 00" E	
Shimba Hills Nature Reserve	Kenya		4° 14' 00" S 39° 25' 00" E	
Shimba Hills Nature Reserve	Kenya		4° 14' 00" S 39° 25' 00" E	
(see also: Shimba hills (forest))				
Shimba Hills Settlement	Kenya		4° 21' 46" S 39° 24' 56" E	
Shimilani, 15 mi [=24 km] S Mombasa	Kenya		4° 14' 00" S 39° 36' 00" E	
Shimo Kapseta cave	Kenya	ca.	1° 05' 00" N 34° 45' 00" E	2300 m
(see also: Grotte de Shimo Kapseta, Kapseta)				
Shimoni, 50 mi S of Mombasa	Kenya		4° 38' 50" S 39° 23' 00" E	0 m
(see also: Shimani)				
Shimoni area	Kenya		4° 38' 38" S 39° 23' 09" E	
Shimoni cave	Kenya		4° 38' 50" S 39° 23' 00" E	0 m
Shimtu, 17 km W Jendouba	Tunisia		36° 29' 00" N 8° 35' 00" E	158 m
(see also: Chemtou, Chemtou Ance, Jendouba, 17 km W, Simittu)				
Shimu Na Kito	Kenya			
Shinda Estates, Banti	Zimbabwe		19° 21' 00" S 32° 45' 00" E	
(see also: Shinda Farm)				
Shinda Farm (see Shinda Estates), Banti	Zimbabwe		19° 21' 00" S 32° 45' 00" E	
Shindaika	Congo (Democratic Republic of the)		11° 39' 00" S 27° 41' 00" E	
Shindî (see Shendi), Upper Nile	Sudan		16° 41' 29" N 33° 26' 03" E	376 m
Shingomeni Out Post, Vlakteplaas area	South Africa		22° 53' 45" S 31° 24' 19" E	
(see also: Xingomeni)				
Shingwedzi (see Shingwidzi)	South Africa		23° 06' 32" S 31° 26' 10" E	
Shingwedzi camp (see Shingwidzi)	South Africa		23° 06' 32" S 31° 26' 10" E	
Shingwedzi Rest Camp (see Shingwidzi)	South Africa		23° 06' 32" S 31° 26' 10" E	
Shingwedzi Ruskamp (see Shingwidzi)	South Africa		23° 06' 32" S 31° 26' 10" E	
Shingwidzi	South Africa		23° 06' 32" S 31° 26' 10" E	
(see also: Shingwedzi, Shingwedzi camp, Shingwedzi Rest Camp, Shingwedzi Ruskamp, Xingwedzi Rest Camp)				
Shingwidzi Game Reserve	South Africa		23° 11' 00" S 31° 14' 00" E	
(see also: Malensons Shingwidzi Game Reserve)				
Shingwidzi, 40 km S (see Shilowa)	South Africa		23° 27' 00" S 31° 33' 00" E	397 m
Shinkolobwe, road to Kasenga	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
(see also: Chinkolobwe, Dethioux Farm, cave I, Dethioux Farm, cave II, Dethioux Farm, Tantara cave, Dethioux hoeve, grot I, Dethioux hoeve, grot II, Dethioux hoeve, Tantara grot, Grotte de Tantara, ferme Dethioux, Grotte I, ferme Dethioux, Grotte II, ferme Dethioux, Shainkolobwe, Tantara cave, Trou aux Serpents)				
Shinyanga region	Tanzania			
Shiraz	Iran		29° 36' 00" N 52° 32' 00" E	4750 ft
Shire river, upper	Malawi		16° 00' 00" S 35° 00' 00" E	
Shirhombe Pan (see Xirhombe Pan)	South Africa		22° 42' 47" S 31° 22' 51" E	
Shirimantanga, 5.5 mi SE Skukuza	South Africa		25° 06' 00" S 31° 36' 00" E	
(see also: Skukuza Kop, Skukuza Koppies, Skukuza, 5.5 mi [=8.8 km] SE)				
Shirombe pan	South Africa		22° 43' 00" S 31° 23' 00" E	
Shiselweni region	Swaziland			
Shishe	Ghana		10° 42' 00" N 0° 13' 00" W	213 m
(see also: Shishie)				
Shishie (see Shishe)	Ghana		10° 42' 00" N 0° 13' 00" W	213 m
Shoa	Ethiopia	ca.	9° 00' 00" N 39° 00' 00" E	1981 m
(see also: Addis Ababa, 24 km E, Schoa)				
Shoa and Lake Rudolf, between	Ethiopia			
Shoa province (see Shewa Kifle Hager province)	Ethiopia	ca.	9° 00' 00" N 39° 00' 00" E	
Shola (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Shongweni (see Ntshongweni Dam)	South Africa		29° 51' 00" S 30° 42' 36" E	290 m
Shongweni Dam (see Ntshongweni Dam)	South Africa		29° 51' 00" S 30° 42' 36" E	290 m
Shongweni Polo Club	South Africa		29° 46' 49" S 30° 45' 00" E	601 m
Shongweni Resources Reserve	South Africa		29° 51' 00" S 30° 42' 36" E	
Shoonto forest	Somalia		1° 01' 00" N 42° 36' 00" E	
Shore Nature Reserve, 8 km NNE Lake Bangazi	South Africa		27° 22' 30" S 32° 37' 30" E	
(see also: Lake Bangazi, 8 km NNE)				
Shore Nature Reserve, NE, 9 km N Lake Bangazi	South Africa		27° 22' 00" S 32° 37' 00" E	
(see also: Lake Bangazi, 9 km N)				
Shoshanguve, Pretoria	South Africa		25° 24' 00" S 28° 04' 00" E	

Shukali (see Shukoli), 30 mi [=48 km] N Nimule	South Sudan		6° 55' 00" N 31° 46' 00" E	601 m
Shukoli, 30 mi [=48 km] N Nimule (see also: Nimule, 30 mi [=48 km] N, Shukali)	South Sudan		6° 55' 00" N 31° 46' 00" E	601 m
Shume, near	Tanzania	ca.	4° 42' 00" S 38° 13' 00" E	
Shupanga, Zambezi	Zambia			
Shupanga (see Chupanga), Zambezi River	Mozambique		18° 01' 16" S 35° 33' 51" E	52 m
Shurkela (see also: Sharkaylah, Sherkeila)	Sudan		12° 49' 00" N 31° 25' 00" E	436 m
Shurugwi, Lucilia Port (see also: Churugwi, Salukwe, Selukwe)	Zimbabwe		19° 40' 00" S 30° 00' 00" E	1501 m
Shush	Iran			
Shush	Iran		32° 11' 00" N 41° 50' 00" E	500 ft
Shyanda (see also: Colline Shyanda)	Rwanda		2° 32' 31" S 29° 47' 34" E	1646 m
Siade (see Shiare)	Ghana		8° 18' 00" N 0° 36' 00" E	728 m
Sianaka Forest	Madagascar		18° 25' 21" S 48° 47' 59" E	
Siaya county	Kenya			
Sibabli, 6 km W (see Parc National de Mont Peko)	Côte d'Ivoire		6° 56' 00" N 7° 10' 00" W	
Sibange farm (see Tchibanga)	Gabon		2° 51' 00" S 11° 02' 00" E	166 m
Sibasa	South Africa		22° 57' 00" S 30° 28' 00" E	748 m
Sibaya, lake (see also: Lake Sibaya)	South Africa		27° 20' 00" S 32° 41' 00" E	
Sibengu lodge (see also: Sobhengu Lodge)	South Africa	ca.	27° 57' 00" S 32° 26' 00" E	41 m
Sibidi (see Sibiti)	Congo		3° 41' 09" S 13° 20' 45" E	440 m
Sibiti (see also: Sibidi)	Congo		3° 41' 09" S 13° 20' 45" E	440 m
Sibiti cave	Congo		3° 41' 09" S 13° 20' 45" E	440 m
Sibobela Primary School (see Sitobela Primary School)	Swaziland		26° 53' 00" S 31° 36' 00" E	327 m
Sibosa	South Africa			
Sicily	Italy			
Sidam-Bale bridge	Ethiopia		5° 45' 09" N 39° 36' 58" E	
Sidéradougou (see also: Siradougou)	Burkina Faso		10° 40' 00" N 4° 15' 00" W	304 m
Sidi Bel Abbès province	Algeria			
Sidi Bou Zid governorate	Tunisia			
Sidi Bou Zid valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia		35° 02' 25" N 9° 29' 37" E	312 m
Sidi Bouzid	Morocco			
Sidi Bouzid valley, Bni Snassene massive (see also: Gammouda valley, Qamudah valley, Sidi Bou Zid valley, Sidi Bu Zayd valley)	Tunisia		35° 02' 25" N 9° 29' 37" E	312 m
Sidi Bu Zayd valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia		35° 02' 25" N 9° 29' 37" E	312 m
Sidi Hassen Ayet memorial building, 4.5 km S Nefta	Tunisia		33° 50' 00" N 7° 52' 00" E	
Sidi Kacem prefecture	Morocco			
Sidi Mansour area	Tunisia		36° 48' 10" N 10° 10' 47" E	
Sidi Messaoud, mine tunnel near, 25 km SW Djebel Ichkeul (see also: Djebel Ichkeul, 25 km SW, Jebel Ichkeul, 25 km SW)	Tunisia		36° 57' 58" N 9° 27' 23" E	
Sidi Mohammad Al Mablehut (see Sidi Mu?ammad al Mabkhut)	Libya		32° 27' 58" N 21° 00' 08" E	
Sidi Moussa	Morocco			
Sidi Mu?ammad al Mabkhut (see also: Sidi Mohammad Al Mablehut)	Libya		32° 27' 58" N 21° 00' 08" E	
Sidi Musa (see Jebel Moussa)	Morocco		35° 53' 52" N 5° 24' 44" W	
Sidi Okba, 17 km SE Biskra (see also: Biskra, 17 km SE)	Algeria		34° 45' 00" N 5° 54' 00" E	150 m
Sidi Sibara, 3 km SW	Morocco	ca.	33° 24' 33" N 6° 44' 38" W	
Sidi Tayeaa, mine, 1 km E Zaghouan on MC 133, 1 km S of highway (see also: Zaghouan, 1 km E on MC 133, 1 km S of highway)	Tunisia		36° 22' 30" N 10° 10' 10" E	
Sidon	Ethiopia		5° 45' 00" N 39° 50' 00" E	
Sienso (see Odienné-Siènso)	Côte d'Ivoire		9° 24' 49" N 7° 30' 56" W	452 m
Sierra Leone	Sierra Leone			
Sierra Leone, 100 miles off the coast	Sierra Leone			
Sierrra Leone peninsula (see also: Colony peninsula)	Sierra Leone		8° 20' 00" N 13° 10' 00" W	
Sig (see also: Saint-Denis-du-Sig)	Algeria		35° 31' 40" N 0° 11' 43" W	73 m
Siga caves (see Amboni caves), 3 mi N Tanga	Tanzania		5° 04' 00" S 39° 03' 00" E	
Sigi river	Tanzania		5° 03' 00" S 39° 04' 00" E	
Sigoor Camp (see Sigor)	Kenya		1° 29' 00" N 35° 28' 00" E	750 m
Sigor (see also: Sigoor Camp)	Kenya		1° 29' 00" N 35° 28' 00" E	750 m

Sigor, 1 mi [=1.6 km] SE	Kenya	ca.	1° 29' 00" N 35° 29' 00" E	
Sigor, 1.5 km S, 1.5 km E (see Weiwei River Bridge)	Kenya		1° 29' 00" N 35° 29' 00" E	1030 m
Sigor, 2 mi [=3.2 km] S, Weie-Wei river	Kenya	ca.	1° 28' 00" N 35° 28' 00" E	1006 m
Siguiri prefecture	Guinea			
Sihole	Zambia		15° 21' 00" S 22° 33' 00" E	1054 m
Sikangwana	South Africa			
Sikasso region	Mali			
Sikhunyana	Swaziland		26° 02' 00" S 31° 35' 00" E	
Sikongo, Barotseland	Zambia		15° 01' 00" S 22° 10' 00" E	1026 m
Silacounda (see Sillakounda Diakha)	Senegal		12° 38' 39" N 12° 07' 25" W	90 m
Silacounta (see Sillakounda Diakha)	Senegal		12° 38' 39" N 12° 07' 25" W	90 m
Silah (see also: Saylah, Seila)	Egypt		29° 21' 22" N 30° 58' 08" E	2 m
Silakounda (see Sillakounda Diakha)	Senegal		12° 38' 39" N 12° 07' 25" W	90 m
Silhouette (see Silhouette Island)	Seychelle Islands		4° 29' 00" S 55° 13' 00" E	
Silhouette Island (see also: Silhouette)	Seychelle Islands		4° 29' 00" S 55° 14' 00" E	
Siliana governorate	Tunisia			
Sililo	Zambia		14° 16' 00" S 22° 29' 00" E	1028 m
Silinda, mount (see Selenda, mount)	Zimbabwe		20° 24' 00" S 32° 42' 00" E	
Sillakounda Diakha (see also: Silacounda, Silacounta, Silakounda)	Senegal		12° 38' 39" N 12° 07' 25" W	90 m
Silverglen Nature Reserve	South Africa		29° 55' 58" S 30° 52' 35" E	120 m
Sim Sima (see Keiro)	South Sudan		5° 19' 48" N 31° 45' 22" E	439 m
Simba (see Eldoinyo Lengamlo), Kiboboko River, on Mombasa Road, 155 km from Nairobi (see also: Nairobo, 155 km SE)	Kenya		2° 10' 00" S 37° 33' 00" E	
Simba country	Simba country			
Simba river, on Mombasa Road, 96 mi [=155 km] from Nairobi	Kenya		2° 30' 00" S 37° 53' 00" E	1200 m
Simbi cave	Rwanda		2° 30' 39" S 29° 40' 03" E	
Simbilawein (see As Sinbillawayn)	Egypt		30° 52' 55" N 31° 27' 47" E	11 m
Simbilawein, 5 mi [=8 km] W (see As Sinbillawayn, 5 mi [=8 km] W)	Egypt	ca.	30° 53' 00" N 31° 28' 00" E	
Simbillawein (see As Sinbillawayn)	Egypt		30° 52' 55" N 31° 27' 47" E	11 m
Simehn and Woggara, between, SW Sabra [=Sobra]	Ethiopia		12° 56' 00" N 38° 05' 00" E	
Simen mountains (see also: Semen mountains, Semien mountains, Simien mountains)	Ethiopia		13° 21' 00" N 38° 18' 00" E	
Simenti	Senegal		13° 01' 00" N 13° 17' 00" W	
Simien mountains (see Simen mountains)	Ethiopia		13° 21' 00" N 38° 18' 00" E	
Simien Mountains National Park	Ethiopia		13° 21' 00" N 38° 18' 00" E	
Similani caves (see Ngombeni location), 10 km S Mombasa	Kenya		4° 07' 49" S 39° 36' 51" E	31 m
Simittu (see Shimtu), 17 km W Jendouba	Tunisia		36° 29' 00" N 8° 35' 00" E	158 m
Simiyu river, Serengeti plains	Tanzania		2° 33' 00" S 33° 25' 00" E	
Simon's Town (see also: Simonstad, Simonstown)	South Africa		34° 11' 00" S 18° 26' 00" E	0 m
Simonstad (see Simon's Town)	South Africa		34° 11' 00" S 18° 26' 00" E	0 m
Simonstown (see Simon's Town)	South Africa		34° 11' 00" S 18° 26' 00" E	0 m
Simpa (see Winneba)	Ghana		5° 20' 00" N 0° 37' 00" W	0 m
Simsima (see Keiro)	South Sudan		5° 19' 48" N 31° 45' 22" E	439 m
Simunye Nature Reserve	Swaziland		26° 14' 46" S 31° 57' 49" E	
Simunye, 10 km N	Swaziland		26° 07' 00" S 31° 57' 00" E	
Simunye, 15 km N, on Simunye-Tshaneni Road	Swaziland		26° 06' 17" S 31° 52' 18" E	239 m
Simuwana	South Africa		22° 26' 00" S 31° 11' 00" E	
Simuwana ranger's post, 2 km NW (see Luvuvhu hippo pool)	South Africa		22° 25' 51" S 31° 10' 51" E	
Sinai	Egypt	ca.	29° 30' 00" N 34° 00' 00" E	
Sinda river	Congo (Democratic Republic of the)		1° 02' 00" N 30° 04' 00" E	830 m
Sinela caves	Zimbabwe			
Singa (see Sinjah)	Sudan		13° 09' 00" N 33° 56' 00" E	397 m
Singama	Zimbabwe		17° 36' 00" S 27° 51' 00" E	
Singereri Hills, Harare, Upper Mazowe Valley	Zimbabwe		17° 37' 00" S 31° 07' 00" E	
Singida region	Tanzania			
Singitini (see Kisangani)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Sinja (see Sinjah)	Sudan		13° 09' 00" N 33° 56' 00" E	397 m
Sinjah (see also: Senga, Singa, Sinja)	Sudan		13° 09' 00" N 33° 56' 00" E	397 m
Sinnar (see Sannar), Abyssinia	Sudan		13° 33' 00" N 33° 38' 00" E	390 m
Sinnuris	Egypt		29° 25' 00" N 30° 52' 00" E	17 m
Sino (see Greenville)	Liberia		5° 00' 40" N 9° 02' 20" W	0 m
Sinoe (see Greenville)	Liberia		5° 00' 40" N 9° 02' 20" W	0 m
Sinoe county	Liberia		5° 02' 00" N 8° 04' 00" W	
Sinoia (see Chinhoyi)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m

Sinoia Caves (see Chinhoyi Caves)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Sinoia, 10 mi [=16 km] N(W) (see Baruka cave)	Zimbabwe		17° 22' 12" S 30° 04' 48" E	
Sinoville, Pretoria	South Africa		25° 40' 11" S 28° 14' 01" E	1261 m
Sinu (see Greenville)	Liberia		5° 00' 40" N 9° 02' 20" W	0 m
Sinu Village (see Greenville)	Liberia		5° 00' 40" N 9° 02' 20" W	0 m
Sinzu Mountain (see Sunzu Mountain), Mbala [=Abercorn]	Zambia		9° 03' 00" S 31° 30' 00" E	5500 ft
Sioma Bush Camp	Zambia		16° 45' 03" S 23° 25' 13" E	
Siphiso campsite, 10 km NE Simunye	Swaziland		26° 12' 34" S 32° 00' 02" E	
Sipi (see also: Sipi cave)	Uganda		1° 18' 35" N 34° 22' 27" E	1791 m
Sipi cave (see Sipi)	Uganda		1° 18' 35" N 34° 22' 27" E	1791 m
Sir	Cameroon		10° 33' 00" N 13° 41' 00" E	750 m
Siradougou (see Sidéradougou)	Burkina Faso		10° 40' 00" N 4° 15' 00" W	304 m
Sirba	Ethiopia			
Siribihina river	Madagascar		19° 00' 00" S 46° 00' 00" E	100 m
Sirmai, near Sigor; 70 (?) mi [=113 km (?)] NE Kapenguria (see also: Kapenguria, 70 (?) mi [=113 (?) km] NE)	Kenya	ca.	1° 28' 00" N 35° 28' 00" E	
Sironko district	Uganda			
SirtePC:ST|)	Libya			
Sirwi river (see Saruwi river)	Ghana		5° 06' 00" N 1° 19' 00" W	
Sisonke district	South Africa			
Sissekab, Farm (see Farm Sissekab)	Namibia			
Sissili province	Burkina Faso			
Sithobela Primary School (see Sitobela Primary School)	Swaziland		26° 53' 00" S 31° 36' 00" E	327 m
Sitobela Primary School (see also: Sibobela Primary School, Sithobela Primary School)	Swaziland		26° 53' 00" S 31° 36' 00" E	327 m
Siuah (see Siwah)	Egypt		29° 12' 00" N 25° 31' 00" E	-1 m
Siwa Oasis (see Siwah)	Egypt		29° 12' 00" N 25° 31' 00" E	-1 m
Siwah (see also: Siuah, Siwa Oasis, Siwe)	Egypt		29° 12' 00" N 25° 31' 00" E	-1 m
Siwe (see Siwah)	Egypt		29° 12' 00" N 25° 31' 00" E	-1 m
Siweni Riparian Site	Swaziland		26° 10' 48" S 32° 02' 55" E	
Skedelkus Park (see Skeleton Coast Park)	Namibia		20° 00' 00" S 13° 20' 00" E	
Skeleton Coast Park (see also: Skedelkus Park)	Namibia		20° 00' 00" S 13° 20' 00" E	
Skhirate-Témara prefecture	Morocco			
Skikda province (see also: Wilaya de Skikda)	Algeria	ca.	36° 45' 00" N 6° 50' 00" E	
Skoenmakerskop (see also: Schoenmakerskop)	South Africa		34° 02' 26" S 25° 32' 39" E	
Skoongesig, Farm 360JS (see Farm Skoongesig 360JS), Languitsig	South Africa		25° 37' 00" S 29° 52' 00" E	
Skukuza (see also: Skukuza Camp, Skukuza lab buildings, Skukuza Staff Picnic Site, Skukuza Staff village, Skukuza Town, Skukuza Township, Skukuza Village)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza area	South Africa		24° 59' 00" S 31° 35' 00" E	
Skukuza Camp (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza dam, at golf course	South Africa		24° 59' 05" S 31° 34' 38" E	
Skukuza Kop (see Shirimantanga), 5.5 mi SE Skukuza	South Africa		25° 06' 00" S 31° 36' 00" E	
Skukuza Koppies (see Shirimantanga), 5.5 mi SE Skukuza	South Africa		25° 06' 00" S 31° 36' 00" E	
Skukuza lab buildings (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Staff Picnic Site (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Staff village (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Town (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Township (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Village (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza, 1.5 km NW, Dense woodland upper reaches of Western Water Reservoir	South Africa		24° 59' 50" S 31° 36' 21" E	
Skukuza, 12 km W (see Kruger Gate bridge)	South Africa		24° 58' 48" S 31° 29' 00" E	
Skukuza, 15 km S (see Renosterkoppies)	South Africa		25° 07' 37" S 31° 36' 06" E	
Skukuza, 3 km NNE (see Sabie River, north bank)	South Africa		24° 59' 07" S 31° 37' 18" E	
Skukuza, 5.5 mi [=8.8 km] SE (see Shirimantanga)	South Africa		25° 06' 00" S 31° 36' 00" E	
Skukuza, 62 km SE (see Komatipoort)	South Africa		25° 26' 00" S 31° 56' 00" E	137 m
Skukuza, 7 km E, on Sabie river	South Africa		24° 58' 20" S 31° 39' 43" E	
Skukuza, 8 km NE (see Sabie river bank)	South Africa		24° 58' 03" S 31° 40' 12" E	
Skukuza, river bank rondawels	South Africa		24° 59' 41" S 31° 35' 25" E	
Skurweberg cave (see Farm Hennopsriver 489), Pretoria	South Africa		25° 48' 00" S 27° 59' 00" E	
Slingerpan, Farm (see Farm Slingerpan)	South Africa		29° 48' 28" S 23° 34' 56" E	1158 m
Slyanda district	South Africa			
Small Sopo [forest] (see Small Soppo [forest]), 2 km S Buéa station	Cameroon		4° 08' 17" N 9° 14' 37" E	738 m

Small Soppo [forest], 2 km S Buéa station (see also: Buéa station, 2 km S, Small Sopo [forest])	Cameroon		4° 08' 17" N 9° 14' 37" E	738 m
Smithfield (see also: Farm 506 (La Rochelle), Farm La Rochelle 506, La Rochelle, Farm 506)	South Africa		30° 13' 00" S 26° 32' 00" E	
Snai Sugar Plantation, 1.5 km S, 0.5 km E Giohar (see also: Giohar, 1.5 km S, 0.5 km E)	Somalia		2° 46' 00" N 45° 31' 00" E	
Snake island(s) (see îles des Madeleines)	Senegal		14° 39' 13" N 17° 28' 16" W	
SNNPPC:SN|)	Ethiopia			
Soalala	Madagascar		16° 06' 00" S 45° 19' 00" E	0 m
Sobat river (see also: Nahr Sobat, Nahr Subat)	South Sudan		9° 22' 14" N 31° 32' 52" E	
Sobhengu Lodge (see Sibengu lodge), St. Lucia	South Africa	ca.	27° 57' 00" S 32° 26' 00" E	41 m
Socoto (see Sokoto)	Nigeria		13° 03' 05" N 5° 13' 53" E	272 m
Sodwana Bay, 2.5 km S Jesser Point (see also: Jesser Point, 2.5 km S, Sodwana Bay Estuary, Sordwana Bay, Sordwanabaai)	South Africa		27° 33' 00" S 32° 40' 00" E	20 m
Sodwana Bay Estuary (see Sodwana Bay)	South Africa		27° 33' 00" S 32° 40' 00" E	20 m
Soekmekaar, 5 km S Pietersburg (see also: Pietersburg, 5 km S, Zoekmakaar, Zoekmekaar)	South Africa		23° 29' 00" S 29° 56' 00" E	1193 m
Soetfontein cave, near Postmasburg, Soetfontein Guest Farm	South Africa		28° 22' 12" S 23° 03' 00" E	
Sof Omar cave (see also: Ginir, 25 mi [=40 km] E, Omar cave, S of, Sof-Omar)	Ethiopia		6° 54' 22" N 40° 50' 42" E	
Sofala province	Mozambique			
Sof-Omar (see Sof Omar cave)	Ethiopia		6° 54' 22" N 40° 50' 42" E	
Soga	Tanzania		6° 50' 00" S 38° 52' 00" E	151 m
Sogakofe	Ghana			
Sogakofe (see also: Sogakope, Sogakorpe, Sogankofe)	Ghana		6° 00' 00" N 0° 36' 00" E	48 m
Sogakope (see Sogakofe)	Ghana		6° 00' 00" N 0° 36' 00" E	48 m
Sogakorpe (see Sogakofe)	Ghana		6° 00' 00" N 0° 36' 00" E	48 m
Sogankofe (see Sogakofe)	Ghana		6° 00' 00" N 0° 36' 00" E	48 m
Sohwe River	Zimbabwe		16° 37' 00" S 30° 52' 00" E	
Sokdek, mount (see Moroto, mount)	Uganda		2° 32' 00" N 34° 46' 00" E	
Sokoke Forest, 6 mi [=9.6 km] WNW Kilifi (see also: Kilifi, 6 mi [=9.7 km] WNW)	Kenya		3° 29' 00" S 39° 50' 00" E	200 ft
Sokorte Guda (see also: Lake Paradise, Paradise, lake)	Kenya		2° 15' 44" N 37° 56' 07" E	
Sokoto (see also: Socoto)	Nigeria		13° 03' 05" N 5° 13' 53" E	272 m
Sokoto state	Nigeria			
Sokoto, 12 mi [=19 km] N	Nigeria	ca.	13° 02' 00" N 5° 15' 00" E	
Sokoto, 12 mi [=19 km] N (see Kware)	Nigeria		13° 13' 05" N 5° 16' 02" E	268 m
Solai valley, 22.5 km N Nakuru (see also: Nakuru, 22.5 km N)	Kenya		0° 03' 00" N 36° 09' 00" E	1950 m
Solifor Point, 500 m S	The Gambia	ca.	13° 20' 30" N 16° 48' 59" W	
Solwezi (see also: Solwezi Boma)	Zambia		12° 11' 00" S 26° 24' 00" E	1366 m
Solwezi Boma (see Solwezi)	Zambia		12° 11' 00" S 26° 24' 00" E	1366 m
Solwezi district	Zambia		12° 25' 00" S 26° 00' 00" E	1200 m
Somali Française (see Djibouti)	Somali Française			
Somali state	Ethiopia			
Somalia	Somalia			
Somalomo	Cameroon		3° 23' 00" N 12° 44' 00" E	629 m
Somanga (see also: Samanga)	Tanzania		8° 24' 00" S 39° 17' 00" E	3 m
Somanya, 3.2 km E	Ghana	ca.	6° 06' 00" N 0° 01' 00" W	
Somba	Malawi		14° 39' 00" S 35° 32' 00" E	844 m
Sombe, 14 km upstream of Kiabo (see also: Kiabo, 14 km upstream)	Congo (Democratic Republic of the)		8° 50' 00" S 26° 02' 00" E	
Sombo (see Elias Garcia), 150 km SSE Dundo	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Somerville (mission)	South Africa		31° 12' 00" S 28° 39' 00" E	1000 m
Somkele	South Africa		28° 19' 00" S 32° 06' 00" E	110 m
Somo - Bamenda road (see also: De Somo, Bamenda road)	Cameroon			
Son Jem	Cameroon			
Songea (see also: Ssongea)	Tanzania		10° 41' 00" S 35° 39' 00" E	1182 m
Songea district	Tanzania		10° 40' 00" S 36° 00' 00" E	
Songhor, near Kisumu	Kenya		0° 03' 00" S 35° 14' 00" E	
Songimvelo Nature Reserve, Berberton mountains	South Africa		26° 00' 25" S 30° 55' 20" E	2800 m

Songo Songo Island (see also: Songogongo Island)	Tanzania		8° 31' 00" S 39° 29' 00" E	
Songogongo Island (see Songo Songo Island)	Tanzania		8° 31' 00" S 39° 29' 00" E	
Songola (see Mambila Plateau)	Nigeria	ca.	6° 32' 00" N 11° 22' 00" E	
Songomano, Kilwa	Tanzania	ca.	9° 00' 00" S 39° 30' 00" E	
Song-Sag (see Sakbayémé), on Sanaga River	Cameroon		4° 02' 00" N 10° 34' 00" E	141 m
Songwe Bat Cave, ca. 40 km W Mbeya (see also: Mbeya, ca. 40 km W, Songwe River, Songwe-Fluss, Ssongwe Bat Cave)	Tanzania		9° 42' 00" S 33° 56' 00" E	
Songwe caves	Tanzania		8° 30' 00" S 33° 48' 00" E	
Songwe River (see Songwe Bat Cave), ca. 40 km W Mbeya	Tanzania		9° 42' 00" S 33° 56' 00" E	
Songwe Valley (see Tegemo farm), 13 km W Mbalizi	Tanzania	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
Songwe-Fluss (see Songwe Bat Cave), ca. 40 km W Mbeya	Tanzania		9° 42' 00" S 33° 56' 00" E	
Sonsor river	Uganda		1° 46' 00" N 31° 33' 00" E	1219 m
Sool region (see also: Soul region |PC:SO|)	Somalia			
Soque, mount (see Moco, mount), 42 km WSW Luimbale	Angola		12° 30' 00" S 15° 10' 00" E	
Sordwana Bay (see Sodwana Bay)	South Africa		27° 33' 00" S 32° 40' 00" E	20 m
Sordwanabaai (see Sodwana Bay)	South Africa		27° 33' 00" S 32° 40' 00" E	20 m
Sorobo	Ethiopia	ca.	5° 25' 30" N 37° 31' 00" E	
Soroti	Uganda		1° 41' 08" N 33° 36' 59" E	914 m
Soroti district	Uganda			
Soroti, 25 mi [=40 km] N	Uganda		2° 04' 59" N 33° 37' 00" E	1219 m
Sosian Game Ranch (see also: Nanyuki, 27 mi [=43 km] NW)	Kenya	ca.	0° 14' 00" N 36° 42' 00" E	
Sosumau (see Ankarana)	Madagascar		13° 05' 00" S 48° 55' 00" E	94 m
Sosumav (see Ankarana)	Madagascar		13° 05' 00" S 48° 55' 00" E	94 m
Sosumaville (see Ankarana)	Madagascar		13° 05' 00" S 48° 55' 00" E	94 m
Sotavento archipelago	Cape Verde			
Sotik	Kenya	ca.	0° 41' 29" S 35° 06' 39" E	
Sotouba, 7 km E Bamako (see also: Bamako, 7 km E, Sotuba)	Mali		12° 39' 48" N 7° 54' 50" W	328 m
Sotuba (see Sotouba), 7 km E Bamako	Mali		12° 39' 48" N 7° 54' 50" W	328 m
Sou Mou River (see Soumou River)	Cameroon		3° 15' 00" N 11° 24' 00" E	
Soubré (see also: Saubre)	Côte d'Ivoire		5° 46' 55" N 6° 36' 25" W	140 m
Soubré, 10 mi [=16 km] WNW (see also: Soubre, 10 mi WNW)	Côte d'Ivoire		5° 49' 00" N 6° 45' 00" W	
Soubre, 10 mi WNW (see Soubré, 10 mi [=16 km] WNW)	Côte d'Ivoire		5° 49' 00" N 6° 45' 00" W	
Soubroukou	Benin		9° 41' 00" N 1° 38' 00" E	435 m
Soudan river	Congo (Democratic Republic of the)		4° 35' 00" N 29° 35' 00" E	
Souguéta, 4 km NE (see Grotte Garrigues)	Guinea	ca.	10° 10' 23" N 12° 31' 05" W	
Souk Ahras province	Algeria			
Souk el Arba, 7 km NNW (see Bulla Regia)	Tunisia		36° 33' 30" N 8° 44' 48" E	
Souk el Tenine	Algeria		36° 37' 36" N 5° 20' 02" E	92 m
Souk et Tnine, 10 km N (see Sbeitla, pool 40 km NW)	Tunisia		35° 43' 42" N 9° 07' 58" E	
Souk-Khemis-des-Beni-Arouss	Morocco		35° 18' 25" N 5° 37' 46" W	
SoulPC:SO|)	Somalia			
Soulabot (see Zoulabot II)	Cameroon		2° 54' 00" N 13° 53' 00" E	517 m
Soum province	Burkina Faso			
Soumba o Dubreka (see Dubréka)	Guinea		9° 47' 28" N 13° 31' 24" W	74 m
Soumou River, 6 km W Mebueme (see also: Mebueme, 6 km W, Mengueme River, 6 km W, Sou Mou River)	Cameroon		3° 15' 00" N 11° 24' 00" E	
Sounda (see also: La Sounda)	Congo		4° 05' 00" S 12° 08' 00" E	36 m
Souq l'Arba N. Ayt Ahmad, 34 km WNW(?) Tiznit, Oued Massa (see also: Tiznit, 34 km WNW?)	Morocco	ca.	29° 59' 44" N 9° 39' 44" W	
Sourou province	Burkina Faso			
Sousa (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Sousak	Cameroon			
Souse (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Souss - Massa - Draâ (former) region	Morocco			
Soussa (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Sousse (see also: Hadrumetum, Sousa, Souse, Soussa, Susa, Susah)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Sousse governorate (see also: Susah governorate |PC:SS|)	Tunisia			
Souss-Massa region	Morocco			
South Africa	South Africa			
South Buganda	Uganda		0° 30' 00" S 31° 45' 00" E	
South Cave, 5 km E Metsi Metsi Windmill, on N'Waswitsontso	South Africa	ca.	24° 47' 29" S 31° 56' 33" E	

South Darfur state (see also: Janub Darfur state |PC:SF|)	Sudan			
South Elgon	Kenya		1° 07' 00" N 34° 35' 00" E	2012 m
South Kinangop plateau	Kenya		0° 43' 51" S 36° 39' 33" E	8000 ft
South Kivu province (see Sud Kivu province)	Congo (Democratic Republic of the)			
South Kordofan state (see also: Janub Kurdufan state |PC:SK|, South Kurdufan state |PC:SK|)	Sudan			
SouthPC:SK|)	Sudan			
South Nguasso Nyiro river	Kenya			
South Nimba	Liberia	ca.	7° 26' 00" N 8° 34' 00" W	
South of Lake Nyassa, left bank of Zambezi River	Malawi	ca.	17° 07' 00" S 35° 06' 00" E	
South Pare Mountains (see Chome Forest Reserve), 3 km E, 0.7 km N Mhero	Tanzania		4° 18' 00" S 37° 58' 00" E	2000 m
South Rhodesia (see Zimbabwe)	South Rhodesia			
SouthPC:JS|)	Egypt			
South Sudan	South Sudan			
South Turkana	Kenya			
South Ubangui province (see Sud Ubangui province)	Congo (Democratic Republic of the)			
South-East district	Botswana			
southeast slopes	Kenya		1° 08' 00" N 34° 33' 00" E	
SouthPC:LI|)	Tanzania			
SouthPC:DU|)	Eritrea			
Southern (former) region	Malawi			
Southern district (see Dr Kenneth Kaunda district)	South Africa			
Southern district	Botswana			
southern Egypt	Egypt			
Southern Nations, Nationalities & People's region	Ethiopia			
Southern Nations, Nationalities & People's state (see also: SNNP state |PC:SN|)	Ethiopia			
Southern prefecture	Rwanda			
Southern province	Zambia			
Southern province	Sierra Leone			
Southern Red Sea (former) province	Eritrea			
Southern Region	South Sudan			
Southern slopes Mt …	Kenya			
Southern Tanatarive	Madagascar			
Southerton	Zimbabwe		17° 51' 49" S 31° 01' 09" E	
Soutpansberg (see also: Zoutpansberg)	South Africa		22° 58' 48" S 30° 15' 00" E	
Sowa Town town council	Botswana			
Sowe Island (see also: Soweh Island)	Uganda		0° 09' 38" N 32° 38' 52" E	
Soweh Island (see Sowe Island)	Uganda		0° 09' 38" N 32° 38' 52" E	
Spain	Spain			
Sparta, Farm (see Farm Sparta)	South Africa		24° 48' 00" S 31° 30' 00" E	
Speedwell Mines, 32.5 km N, 12 km E Kranskop (see also: Kranskop, 32.5 km N, 12 km E)	South Africa		28° 40' 00" S 30° 59' 00" E	950 m
Spioenkop Dam, Mabamnyama Staff House	South Africa		28° 40' 40" S 29° 30' 35" E	1094 m
Spioenkop Nature Reserve	South Africa		28° 42' 00" S 29° 15' 00" E	1094 m
Spionkop Lodge, 14 km N Winterton	South Africa		28° 41' 42" S 29° 32' 08" E	1140 m
Spitskop, Farm 398 (see Farm Spitskop 398), Fauresmith	South Africa		29° 30' 00" S 25° 59' 00" E	
Spitzkopje	Namibia		26° 24' 00" S 18° 28' 00" E	
Splash Camp, ca. 80 mi [=129 km] NW Maun (see also: Maun, ca. 80 mi [=129 km] NW)	Botswana		19° 05' 00" S 23° 06' 00" E	
Spring Grove, Elandslaagte	South Africa			
Springbok, 10.0 km E (see Hester Malan Veldblomreservaat)	South Africa		29° 39' 00" S 17° 59' 00" E	1100 m
Springbok, 14 km N, 44 km W	South Africa		29° 32' 00" S 17° 25' 00" E	500 ft
Springbok, 28 km SSE (see Farm Narap)	South Africa		29° 53' 00" S 17° 46' 00" E	
Springbok, 7 - 8 mi [=11.3 - 12.8 km] W (see Farm Modder Fontein)	South Africa		29° 41' 00" S 17° 48' 00" E	
Springbok,10 km S, 3 km W	South Africa		29° 45' 00" S 17° 51' 00" E	3000 ft
Ssame (see Same)	Tanzania		4° 04' 00" S 37° 44' 00" E	897 m
Ssannakanu village	Namibia		18° 06' 00" S 20° 23' 00" E	1100 m
Ssanukanu, ca. 35 mi SE Sambio (see also: Sambio, ca. 35 mi [=56 km] SE)	Namibia		18° 06' 00" S 20° 23' 00" E	
Ssibange farm (see Tchibanga)	Gabon		2° 51' 00" S 11° 02' 00" E	166 m
Ssongea (see Songea)	Tanzania		10° 41' 00" S 35° 39' 00" E	1182 m
Ssongwe Bat Cave (see Songwe Bat Cave), ca. 40 km W Mbeya	Tanzania		9° 42' 00" S 33° 56' 00" E	
St Antoine	Comoro Islands		12° 17' 00" S 43° 40' 00" E	
St Gerard mission (see Kapolowe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 57' 00" E	1135 m

St Joseph mission (see Mikalaya)	Congo (Democratic Republic of the)		6° 01' 00" S 22° 19' 00" E	608 m
St Lucia Estuary, 8 mi [= 13 km] N	South Africa		28° 15' 59" S 32° 26' 00" E	
St Michael (see São Miguel Island)	Azores [Portugal]	ca.	37° 47' 00" N 25° 30' 00" W	
St Therese mission (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
St. Andrews College (Grahamstown)	South Africa		33° 18' 20" S 26° 31' 10" E	550 m
St. Andrews College (Minaki) (see Minaki, St. Andrews College)	Tanzania		6° 54' 01" S 39° 05' 32" E	
St. Augustin, 0.75 km E (see Grotte de Tanambao)	Madagascar		23° 32' 56" S 43° 46' 03" E	10 m
St. Benoit, near (see St. Benoit, near) (see also: St. Benoit, near)	Réunion	ca.	21° 02' 17" S 55° 43' 10" E	
St. Eugène	Algeria			
St. Filippe (see São Filipe)	Cape Verde		14° 54' 00" N 24° 31' 00" W	77 m
St. Florence Mission	Swaziland		26° 14' 00" S 31° 26' 00" E	
St. George d'Elmina (see Elmina)	Ghana		5° 05' 00" N 1° 21' 00" W	0 m
St. George's Park	South Africa		33° 58' 00" S 25° 35' 00" E	
St. Jos. (misson) (see Mikalaya)	Congo (Democratic Republic of the)		6° 01' 00" S 22° 19' 00" E	608 m
St. Joseph de Luluabourg mission (see Mikalaya)	Congo (Democratic Republic of the)		6° 01' 00" S 22° 19' 00" E	608 m
St. Joseph's (see Saint Josephs mission)	Swaziland		26° 28' 00" S 31° 29' 00" E	
St. Lucia (see Saint Lucia Estuary)	South Africa		28° 22' 07" S 32° 24' 10" E	
St. Lucia Crocodile centre (see Saint Lucia Estuary), Hlabisa district	South Africa		28° 22' 07" S 32° 24' 10" E	
St. Lucia Estuary (see Saint Lucia Estuary)	South Africa		28° 23' 00" S 32° 25' 00" E	
St. Lucia Estuary, 12 km N, 8 km E (see Mission Rocks Bats Cave)	South Africa		28° 16' 00" S 32° 30' 00" E	0 m
St. Lucia estuary, 16 km N (see Mission Rocks Bats Cave)	South Africa		28° 16' 00" S 32° 30' 00" E	0 m
St. Lucia Forest Station	South Africa		28° 21' 00" S 32° 24' 00" E	100 m
St. Lucia Lake (see Saint Lucia Estuary)	South Africa		28° 22' 07" S 32° 24' 10" E	
St. Lucia Lake, E shores	South Africa		28° 16' 00" S 32° 23' 00" E	
St. Lucia Resort	South Africa		28° 23' 00" S 32° 25' 30" E	15 m
St. Lucia village	South Africa		28° 23' 00" S 32° 25' 00" E	
St. Lucia Village, 2 km N (see Ipheva camp site)	South Africa		28° 21' 00" S 32° 25' 00" E	20 m
St. Lucia Wetland Park (see Saint Lucia Estuary)	South Africa		28° 22' 07" S 32° 24' 10" E	
St. Paul's River (see Saint Paul River)	Liberia	ca.	6° 22' 46" N 10° 47' 55" W	
St. Peregrines (see Saint Peregrines mission)	Swaziland		26° 03' 00" S 31° 26' 00" E	
St. Theresa mission (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
St. Thomas Island (see São Tomé island)	São Tomé and Principé	ca.	0° 12' 00" N 6° 39' 00" E	
Stadenspas (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa		33° 54' 00" S 25° 12' 00" E	430 m
Staff Picnic site, Skukuza	South Africa		24° 58' 30" S 31° 40' 00" E	
Staff village, Skukuza	South Africa		24° 59' 00" S 31° 35' 00" E	
Stainbank Nature Reserve, Durban, Yellowwood Park	South Africa		29° 54' 00" S 30° 56' 00" E	
Stambelo (see Itaombelo)	Madagascar	ca.	21° 48' 00" S 47° 15' 00" E	
Stan Hope Mine (see Mooiplaas, SAPPI)	South Africa		28° 33' 30" S 31° 09' 55" E	864 m
Standerton, 15 km E (see Farm Roodepoort 386)	South Africa		26° 54' 00" S 29° 22' 00" E	
Stangene Dam	South Africa		22° 48' 00" S 31° 17' 00" E	
Stanley Pool (see also: Malebo Pool, Ncouna, Pool Malebo)	Congo		4° 11' 22" S 15° 26' 19" E	
Stanleystad (see Kisangani)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Stanleyville (see Kisangani)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Starkfontein, Farm 495JR (see Telperion Nature Reserve)	South Africa		25° 42' 41" S 29° 01' 03" E	
State Land, 10.7 km S, 26.9 km W Vredendal (see also: Vredendal, 10.7 km S, 26.9 km W)	South Africa		31° 45' 18" S 18° 13' 52" E	6 m
State Lodge Campsite	Kenya		0° 06' 34" S 34° 44' 46" E	
Station Bismarckburg (see Adéle)	Togo		8° 11' 00" N 0° 41' 00" E	
Station d'Oudna (see Oudna Station)	Tunisia		36° 37' 34" N 10° 09' 07" E	
Station des Roussettes (see Les Roussettes)	Madagascar		12° 31' 37" S 49° 10' 19" E	1000 m
Station Forestière d'Antsampandrano, 26 km SE Faratsiho (see also: Antsampandrano forestry station, Faratsiho, 26 km SE)	Madagascar		19° 36' 43" S 47° 03' 46" E	1850 m
Steenkampskraal	South Africa			
Steenkampskraal Mine, 7 km SSE Van Rhynsdorp	South Africa		30° 59' 10" S 18° 37' 45" E	
Steilloop, 16 km SW (see Farm Welgevonden 449)	South Africa		23° 32' 00" S 28° 26' 00" E	
Steilloop, 18 km N (see Farm Nicorel 343)	South Africa		23° 15' 36" S 28° 36' 36" E	
Steilloopburg, 16 km SW (see Farm Welgevonden 449)	South Africa		23° 32' 00" S 28° 26' 00" E	
Steilloopburg, 18 km N (see Farm Nicorel 343)	South Africa		23° 15' 36" S 28° 36' 36" E	
Steinkopf	South Africa		29° 16' 00" S 17° 44' 00" E	790 m
Stellenbosch	South Africa		33° 56' 00" S 18° 51' 00" E	91 m
Stellenbosch Flats	South Africa			

Stellenbosch, 10 km SE (see Jonkershoek Staatsbos)	South Africa		33° 57' 44" S 18° 55' 37" E	
Sterkfontein caves, 19 km NW Krugersdorp (see also: Krugersdorp, 19 km NW, Sterkfonteingrotte)	South Africa		25° 58' 00" S 27° 40' 00" E	1600 m
Sterkfontein dam, Ararat (see also: Ararat, Sterkfontein Dam Nature Reserve)	South Africa		28° 26' 00" S 29° 01' 00" E	
Sterkfontein Dam Nature Reserve (see Ararat), Ararat	South Africa		28° 07' 30" S 28° 52' 30" E	
Sterkfontein Dam Nature Reserve (see Sterkfontein dam)	South Africa		28° 26' 00" S 29° 01' 00" E	
Sterkfontein, Farm 173IQ (see also: Farm 173IQ (Sterkfontein), Farm Sterkfontein 173IQ)	South Africa		26° 01' 43" S 27° 42' 37" E	
Sterkfonteingrotte (see Sterkfontein caves), 19 km NW Krugersdorp	South Africa		26° 01' 00" S 27° 44' 00" E	1600 m
Sterkspruit, Farm 33JT (see Farm Sterkspruit 33JT), Lydenberg	South Africa		25° 06' 50" S 30° 28' 50" E	1450 m
Sterkspruit, Farm 412KT (see Farm Sterkspruit 412KT), Mogaba	South Africa		24° 37' 00" S 30° 37' 00" E	
Sterkstroom, Carnarvon, subdivision of Grootvlei	South Africa		31° 34' 00" S 26° 33' 00" E	1322 m
Steyerskraal, Farm (see Farm Steyerskraal)	South Africa		28° 40' 00" S 19° 30' 00" E	500 m
Steynsburg, 4.4 km N, 24.0 km W (see Farm Leeuwenfontein 81)	South Africa		31° 15' 21" S 25° 34' 25" E	1510 m
Steynsdorp	South Africa		26° 08' 00" S 30° 59' 00" E	863 m
Stil Date Grove, 12 km N Tozeur (see also: on GP 3 in underground aquaduct, Tozeur, 12 km N)	Tunisia			
Stilbaai, Riversdale (see also: Still Bay, Stillbaai)	South Africa		34° 22' 00" S 21° 25' 00" E	1 m
Still Bay (see Stilbaai)	South Africa		34° 22' 00" S 21° 25' 00" E	1 m
Stillbaai (see Stilbaai)	South Africa		34° 22' 00" S 21° 25' 00" E	1 m
St-Louis (see St-Louis) (see also: Ndar, SanLuis, St-Louis)	Senegal		16° 01' 56" N 16° 37' 00" W	0 m
Stockenstroms Kop (see Stokenstroms Kop)	South Africa		30° 36' 00" S 25° 24' 00" E	1307 m
Stokenstrom (see Stokenstroms Kop)	South Africa		30° 36' 00" S 25° 24' 00" E	1307 m
Stokenstroms Kop (see also: Stockenstroms Kop, Stokenstrom)	South Africa		30° 36' 00" S 25° 24' 00" E	1307 m
Stoltzneck dam (see Stoltznek Dam)	South Africa		25° 22' 00" S 31° 22' 00" E	
Stoltzneck Ranger's Post (see also: Stolznek house)	South Africa		25° 22' 00" S 31° 22' 00" E	
Stoltznek Dam (see also: Stoltzneck dam)	South Africa		25° 22' 00" S 31° 22' 00" E	
Stolzenfels, Farm (see Farm Stolzenfels), S bank Orange river	South Africa		28° 31' 14" S 19° 42' 02" E	
Stolznek house (see Stoltzneck Ranger's Post)	South Africa		25° 20' 00" S 31° 20' 00" E	
Stoneham Museum, 12 mi [=19 km] ESE Kitale (see also: Kitale, 12 mi [=19 km] ESE)	Kenya		1° 01' 00" N 35° 01' 01" E	1890 m
Stones Hill, Farm (see Farm Stones Hill)	South Africa		33° 20' 00" S 26° 34' 00" E	430 m
Storms River Mouth, 1.0 km N, 80.1 km W Humansdorp (see also: Humansdorp, 1.0 km N, 80.1 km W, Stormsriver mouth)	South Africa		34° 01' 05" S 23° 54' 19" E	50 m
Stormsriver mouth (see Storms River Mouth)	South Africa		34° 01' 05" S 23° 54' 19" E	50 m
Stormsriver Mouth, 2 km S (see Guono Cave)	South Africa			
Stormsriver State Forest Station (see Stormsrivier-Bosreservaat), 82 km W Humansdorp	South Africa		33° 57' 00" S 23° 50' 00" E	
Stormsrivier-Bosreservaat, 82 km W Humansdorp (see also: Humansdorp, 82 km W, Stormsriver State Forest Station)	South Africa		33° 57' 00" S 23° 50' 00" E	
Strand	South Africa		34° 06' 02" S 18° 49' 23" E	20 m
Strathfieldsaye, Farm (see Farm Strathfieldsaye), near Eston	South Africa		29° 55' 15" S 30° 27' 44" E	
Strickland Lodge, Mutare	Zimbabwe		18° 52' 00" S 32° 37' 00" E	
Strydenburg, 14.9 km N, 9.2 km W (see Farm Slingerpan)	South Africa		29° 48' 28" S 23° 34' 56" E	1158 m
Sturi Forest (see Ituri Forest)	Congo (Democratic Republic of the)		1° 00' 00" N 29° 16' 00" E	
Stutterheim, 11.4 km S, 13.5 km W; (see Isidenge Forest Station)	South Africa		32° 40' 22" S 27° 10' 14" E	1000 m
Stutterheim, 12 km W (see Kabusi Forest station)	South Africa		32° 35' 00" S 27° 17' 00" E	
Stutterheim, 2 km W (see Kabusi Forest)	South Africa		32° 31' 00" S 27° 15' 30" E	
Stutterheim, near	South Africa	ca.	32° 33' 00" S 27° 27' 00" E	850 m
Styrskraal, Farm (see Farm Steyerskraal)	South Africa		28° 40' 00" S 19° 30' 00" E	500 m
Suakin (see Sawakin)	Sudan		19° 12' 21" N 37° 19' 56" E	59 m
Suam River (see also: Turkwell River)	Uganda	ca.	1° 13' 00" N 34° 43' 00" E	
Suam river, Kongelai Escarpment (see also: Swan river, Swom river)	Kenya		1° 48' 00" N 35° 09' 00" E	
Subdivision de Nuatja (see Préfécture de Haho)	Togo		7° 05' 00" N 1° 15' 00" E	

Subeigh Forest Reserve	Sudan		12° 27' 00" N 34° 12' 00" E	
Subinagya (see Subinja), 2 mi E Wenchi	Ghana		7° 44' 00" N 2° 04' 00" W	290 m
Subinja, 2 mi [=3 km] E Wenchi (see also: Asubengya, Subinagya)	Ghana		7° 44' 00" N 2° 04' 00" W	290 m
Subukia, near Mount Merengai	Kenya		0° 10' 00" S 36° 11' 00" E	2134 m
Sucoma, Nchalo	Malawi		16° 14' 00" S 34° 53' 00" E	
Sud Kivu province (see also: South Kivu province)	Congo (Democratic Republic of the)			
Sud region	Cameroon			
Sud Ubangui province (see also: South Ubangui province)	Congo (Democratic Republic of the)			
Sudan	Sudan			
Sudan Fagwl	South Sudan	ca.	6° 34' 50" N 30° 58' 17" E	
Sud-Bandama (former) region	Côte d'Ivoire			
Sud-Comoé region	Côte d'Ivoire			
Sud-Ouest region	Burkina Faso			
Sud-Ouest region	Cameroon			
Sudwala Cave, Nelspruit (see also: Miggiesgat cave, Muggiesgat cave, Sudwala Cave area, Sudwalagrotte)	South Africa		25° 22' 00" S 30° 42' 00" E	845 m
Sudwala Cave area (see Sudwala Cave), Nelspruit	South Africa		25° 22' 00" S 30° 42' 00" E	845 m
Sudwala Mine 2, Nelspruit	South Africa		25° 22' 00" S 30° 37' 00" E	
Sudwala Mines, 40 km W Nelspruit (see also: Nelspruit, 40 km W)	South Africa		25° 23' 24" S 30° 40' 48" E	902 m
Sudwalagrotte (see Sudwala Cave), Nelspruit	South Africa		25° 22' 00" S 30° 42' 00" E	845 m
Sudwalaskraal, Farm 271JT (see Farm Sudwalaskraal 271JT)	South Africa		25° 22' 00" S 30° 37' 00" E	
Sue River	South Sudan		7° 40' 48" N 28° 03' 43" E	
Suehn	Liberia		6° 37' 02" N 10° 42' 24" W	101 m
Suës (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
Suez (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
Suez area	Egypt		29° 58' 00" N 32° 33' 00" E	
SuezPC:SW|)	Egypt			
Suez, Isthmus (see Isthmus of Suez)	Egypt		30° 30' 00" N 32° 15' 00" E	
Sugar Research Association Estate, Mount Edgcombe (see also: SASEX)	South Africa		29° 42' 00" S 31° 02' 00" E	
Sugarloaf Camp Site (see Saint Lucia Estuary)	South Africa		28° 22' 07" S 32° 24' 10" E	
Suhaj governorate (see also: Suhaj governorate |PC:SJ|)	Egypt			
SuhajPC:SJ|)	Egypt			
Suhum, 2.4 mi [=3.9 km] E	Ghana	ca.	6° 02' 00" N 0° 27' 00" W	
Suikerboschrand Nature Reserve (see Suikerbosrand Nature Reserve), 16 km W Heidelberg	South Africa		26° 30' 00" S 28° 13' 00" E	1668 m
Suikerbosrand Nature Reserve, 16 km W Heidelberg (see also: Heidelberg, 16 km W, Suikerboschrand Nature Reserve)	South Africa		26° 30' 00" S 28° 13' 00" E	1668 m
Suki	Sudan		13° 19' 00" N 33° 54' 00" E	
Sukisa	Congo (Democratic Republic of the)		2° 19' 05" N 24° 59' 17" E	470 m
Sukuli Hills, 2 mi [=3.2 km] SSW Tororo (see also: Sukulu Hill, Tororo, 2 mi[=3.2 km] SSW)	Uganda		0° 40' 05" N 34° 10' 29" E	
Sukulu Hill (see Sukuli Hills), Tororo, near	Uganda		0° 40' 05" N 34° 10' 29" E	
Sulabot (see Zoulabot II)	Cameroon		2° 54' 00" N 13° 53' 00" E	517 m
Sultan Hamud	Kenya		2° 01' 00" S 37° 22' 00" E	1371 m
Sultan Hassan Mosque, Cairo	Egypt	ca.	30° 03' 00" N 31° 15' 00" E	
Sultan Mahmud Mosque, Cairo	Egypt		30° 03' 00" N 31° 15' 00" E	
Suma	Tanzania		9° 12' 00" S 33° 43' 00" E	1452 m
Sumay? (see also: Semei, Semeih, Semeiha, Semeith)	Sudan		12° 43' 00" N 30° 50' 00" E	472 m
Sumbawango, 70 km S (see Tatanda)	Tanzania		8° 31' 00" S 31° 30' 00" E	1907 m
Sumbe, near (see also: Novo Redondo, near)	Angola		11° 22' 48" S 13° 52' 48" E	
Sumbu	Zambia		8° 31' 00" S 30° 29' 00" E	763 m
Summerstrand	South Africa		33° 59' 00" S 25° 41' 00" E	10 m
Suna (see Issuna)	Tanzania		5° 23' 00" S 34° 46' 00" E	1423 m
Sundspruit cave (see Gatkop cave), Rooiberg	South Africa		24° 37' 05" S 27° 39' 08" E	
Sundwini	Swaziland		26° 14' 57" S 31° 56' 31" E	
Suni, northern Sudan, Jebel Marra	Sudan		13° 02' 00" N 24° 25' 00" E	1999 m
Sunnat	South Sudan		4° 19' 25" N 32° 47' 56" E	914 m
Sunnyside, Pretoria	South Africa		25° 45' 00" S 28° 13' 00" E	1320 m
Sunnyside Suburb	Malawi		15° 48' 00" S 35° 00' 00" E	1088 m
Sunnyside, ca. 25 mi [=40 km] W (see Gemsbok Pan)	Botswana		21° 40' 00" S 21° 39' 31" E	
Sunsu Mountain (see Sunzu Mountain), Mbala [=Abercorn]	Zambia		9° 03' 00" S 31° 30' 00" E	5500 ft
Sunza Mountain (see Sunzu Mountain), Mbala [=Abercorn]	Zambia		9° 03' 00" S 31° 30' 00" E	5500 ft

Sunzu Mountain, Mbala [=Abercorn] (see also: Sinzu Mountain, Sunsu Mountain, Sunza Mountain)	Zambia		9° 03' 00" S 31° 30' 00" E	5500 ft
Surayfah (see also: El Serifa, Sereifa)	Sudan		11° 28' 00" N 34° 32' 00" E	467 m
Surt district (see also: Sirte district |PC:ST|)	Libya			
Suruwi river (see Saruwi river)	Ghana		5° 06' 00" N 1° 19' 00" W	
Susa (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Susah (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
SusahPC:SS|)	Tunisia			
Susua, cave (see Mount Londiani)	Kenya		1° 09' 00" S 36° 21' 00" E	
Susua, mount (see Oldoinyo Nyukie)	Kenya		1° 09' 00" S 36° 21' 00" E	
Suswa caves (see Mount Londiani)	Kenya		1° 09' 00" S 36° 21' 00" E	
Suswa, mount (see Oldoinyo Nyukie)	Kenya		1° 09' 00" S 36° 21' 00" E	
Suwi river (see Saruwi river)	Ghana		5° 06' 00" N 1° 19' 00" W	
Suyan Lugga, Bansaloi area, Mount Kenya	Kenya		0° 10' 00" S 37° 20' 00" E	1219 m
Suyani, 10 km N, West Kenya	Kenya		1° 25' 00" N 36° 37' 00" E	
Swakopmund, 19 mi from Gobabeb (see also: Gobabeb, 19 mi [=30.5 km])	Namibia		23° 41' 00" S 14° 32' 00" E	1 m
Swakopmund district	Namibia		23° 00' 00" S 15° 00' 00" E	
Swan river (see Suam river), Kongelai Escarpment	Kenya		1° 48' 00" N 35° 09' 00" E	1372 m
Swanepoel I cave, near Kambove (see also: Grotte Swanepoel I, Swanepoel I grot)	Congo (Democratic Republic of the)		10° 50' 00" S 26° 39' 00" E	ca. 1350 m
Swanepoel I grot (see Swanepoel I cave), near Kambove	Congo (Democratic Republic of the)		10° 50' 00" S 26° 39' 00" E	ca. 1350 m
Swanepoel II abyss, near Kambove	Congo (Democratic Republic of the)		10° 51' 00" S 26° 42' 00" E	ca. 1350 m
Swartbooisdrift, Cunene river	Namibia		17° 20' 00" S 13° 50' 00" E	
Swartkop, Diamond area Nr 1	South Africa		28° 33' 00" S 16° 25' 00" E	
Swartkop Diamond Area No.1 (see Oranjemund)	Namibia		28° 33' 00" S 16° 26' 00" E	29 m
Swartkoppies, Farm (see Farm Swartkoppies)	South Africa		30° 43' 45" S 23° 55' 21" E	1234 m
Swaziland	Swaziland			
Sweaken (see also: Yega Town)	Liberia		5° 23' 04" N 7° 57' 07" W	303 m
Sweetwaters, Pietermartizburg	South Africa		29° 14' 00" S 30° 37' 00" E	1065 m
Swellendam (see also: Swellidam)	South Africa		34° 02' 00" S 20° 26' 00" E	159 m
Swellendam, 6 km S, 1 km E (see Lang-Elsieskraal Bontebok Park)	South Africa		34° 05' 00" S 20° 27' 00" E	70 m
Swellidam (see Swellendam)	South Africa		34° 02' 00" S 20° 26' 00" E	159 m
Swom river (see Suam river), Kongelai Escarpment	Kenya		1° 48' 00" N 35° 09' 00" E	1372 m
Swq, Farm 1032 (see Farm Swq 1032)	South Africa		34° 23' 04" S 19° 48' 27" E	166 m
Sycamore Station, 10 mi NE Waterval Onder (see also: Waterval Onder, 10 mi [=16 km] NE)	South Africa		25° 36' 00" S 30° 26' 00" E	
Syena (see Aswan)	Egypt		24° 05' 15" N 32° 53' 56" E	85 m
Syene (see Aswan)	Egypt		24° 05' 15" N 32° 53' 56" E	85 m
Syeue (see Aswan)	Egypt		24° 05' 15" N 32° 53' 56" E	85 m
T. Bester Game Farm, 58 km N Mtubatuba (see also: Bester Game Farm, Mtubatuba, 58 km N)	South Africa		27° 50' 00" S 32° 15' 00" E	200 m
T'ana Hayk' (see Lake Tana)	Ethiopia		12° 00' 00" N 37° 20' 00" E	
Tabadienke, near Niokolo-Koba	Senegal		13° 08' 00" N 13° 07' 00" W	
Tabarka, 10 km E (see Ras Rajel (American WWII) Cemetery)	Tunisia		36° 57' 14" N 8° 51' 59" E	
Tabarza, 25 km E (see Nefza, 6 km W)	Tunisia		36° 57' 16" N 9° 02' 20" E	
Table Farm cave, NW Grahamstown	South Africa		33° 17' 00" S 26° 25' 00" E	648 m
Table Mountain Pothole (see also: Pietermaritzburg, 23 km N)	South Africa		29° 36' 00" S 30° 36' 00" E	915 m
Table Mountain, Platteklip, Cape Town	South Africa		33° 57' 00" S 18° 25' 00" E	
Tabora	Tanzania		1° 43' 00" S 34° 46' 00" E	
Tabora	Tanzania		5° 01' 00" S 32° 48' 00" E	1212 m
Tabora region	Tanzania			
Tabora, 35 mi [=56 km] S (see Mwanasomano's)	Tanzania	ca.	5° 25' 19" S 32° 42' 42" E	
Tabouda caves (see also: Grottes de Tabouda)	Tunisia		37° 03' 57" N 11° 01' 53" E	
Tabulayi to Ankazoabo	Madagascar	ca.	23° 30' 00" S 44° 30' 00" E	
Taburbah (see Tebourba), near Tunis	Tunisia		36° 50' 23" N 9° 50' 00" E	18 m
Taburbah, cave near (see Tebourba, cave near), near Tunis	Tunisia		36° 50' 00" N 9° 50' 00" E	
Taburbah, Mu'tamadiyat (see also: Délégation de Teboursouk, Mu'tamadiyat Taburbah, Teboursouk, délégation de)	Tunisia		36° 55' 00" N 9° 45' 00" E	
Tacapae (see Gabès), Qabis province	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Tacape (see Gabès), Qabis province	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Taddert, High Atlas	Morocco			

Tadia - Azilal (former) region	Morocco			
Tadjourah region	Djibouti			
Tadoro, Mesakin Qisar	Sudan		10° 41' 26" N 30° 01' 13" E	650 m
Taere river (see also: Tayele (river))	Congo (Democratic Republic of the)		4° 33' 00" N 29° 47' 00" E	
Tafelberg	South Africa		33° 57' 43" S 18° 24' 35" E	
Tafilalt prefecture (see Errachidia prefecture)	Morocco			
Tafna River (see Tafna, oued)	Algeria	ca.	35° 17' 52" N 1° 28' 16" W	
Tafna, oued (see also: La Tafna Fleuve, Oued Tafna, Oued Tasna , Tafna River, Tafua, Wad Tafna, Wadi Tafna, Wâdy Tafna)	Algeria	ca.	35° 17' 52" N 1° 28' 16" W	
Tafo	Ghana			
Taforalt (see Taforhalt)	Morocco		34° 48' 36" N 2° 24' 00" W	911 m
Taforalt, 3 km NE	Morocco		34° 49' 01" N 2° 24' 00" W	
Taforalt, 9 km NE	Morocco		34° 49' 59" N 2° 22' 01" W	
Taforhalt (see also: Aïn Taforalt, Camp d'Aïn Tafouralt, Taforalt)	Morocco		34° 48' 36" N 2° 24' 00" W	911 m
Tafua (see Tafna, oued)	Algeria	ca.	35° 17' 52" N 1° 28' 16" W	
Tagana (see Dagana)	Senegal		16° 31' 00" N 15° 30' 00" W	12 m
Tagant region	Mauritania			
Tagonidert, 7 mi from Maha (see also: Maha, 7 mi [=11.3 km], Tagouidert)	Morocco			
Tagouidert (see Tagonidert)	Morocco			
Tahaneni (see Tshaneni)	Swaziland		25° 59' 00" S 31° 43' 00" E	321 m
Tahaoua	Niger		14° 54' 00" N 5° 16' 00" E	
Tahiré, foot Keleisi Plateau (see also: Taïré)	Guinea		9° 51' 00" N 12° 47' 00" W	144 m
Tahiry Manokan' i Kirindy (see also: Forêt de Kirindy, Kirindy forest (CNFEREF), Kirindy Mitea National Park, Manahy, 0.75 km SW, Parc National de Kirindy-Mitea, Réserve Spéciale de la Kirindy)	Madagascar		20° 52' 04" S 43° 54' 27" E	5 m
Tahiry Nanaharin' i Marojezy (see also: Marojejy Nature Reserve, Réserve Naturelle de Marojejy)	Madagascar		14° 22' 18" S 49° 43' 30" E	
Tahiry Nanaharin' Ankarafantsika, 97 km SE Mahajanga (see also: Ankarafantsika forest, Ankarafantsika Natural Reserve, Mahajanga, 97 km SE, Réserve Naturelle de l' Ankarafantsika)	Madagascar		16° 09' 00" S 47° 02' 00" E	
Tahoua region	Niger			
Taï	Côte d'Ivoire		5° 52' 25" N 7° 27' 19" W	252 m
Taï National Park (see Parc National de Tai)	Côte d'Ivoire	ca.	5° 50' 00" N 7° 20' 50" W	
Taïka valley, 10 km W Dakoro (see also: Dakoro, 10 km W, Vallée de la Taïka)	Taïka valley			
Taïré (see Tahiré), foot Keleisi Plateau	Guinea		9° 51' 00" N 12° 47' 00" W	144 m
Taita	Kenya		3° 20' 00" S 38° 20' 00" E	
Taita district	Kenya			
Taita hills	Kenya			
Taita Taveta county	Kenya			
Tajura' Wa An Nawahi Al Arba' municipality	Libya			
Taka Ungu (see Takaungu), 4 mi S Kilifi, near Uombesa	Kenya		3° 41' 00" S 39° 51' 00" E	5 m
Taka Unka, Ungu Palm Grove on Coast (see Takaungu)	Kenya		3° 41' 00" S 39° 51' 00" E	5 m
Takaba (see also: Takabba)	Kenya		3° 21' 19" N 40° 13' 22" E	606 m
Takaba, 25 mi [=40 km] WSW (see also: Takabba, 25 mi [=40 km] WSW)	Kenya		3° 22' 00" N 39° 45' 00" E	853 m
Takaba, 64.7 km WSW (see also: Takabba, 64.7 km WSW)	Kenya		3° 22' 00" N 39° 45' 00" E	853 m
Takabba (see Takaba)	Kenya		3° 21' 19" N 40° 13' 22" E	606 m
Takabba, 25 mi [=40 km] WSW (see Takaba, 25 mi [=40 km] WSW)	Kenya		3° 22' 00" N 39° 45' 00" E	853 m
Takabba, 64.7 km WSW (see Takaba, 64.7 km WSW)	Kenya		3° 22' 00" N 39° 45' 00" E	853 m
Takamaka	Seychelle Islands		4° 46' 00" S 55° 29' 00" E	
Takamaka Cove (see also: Anse Takamaka, Takamaka Grove)	Seychelle Islands		4° 46' 00" S 55° 29' 00" E	
Takamaka Grove (see Takamaka Cove)	Seychelle Islands		4° 46' 00" S 55° 29' 00" E	
Takaungu (see also: Taka Ungu, Taka Unka, Ungu Palm Grove on Coast)	Kenya		3° 41' 00" S 39° 51' 00" E	5 m
Takoradi	Ghana		4° 53' 00" N 1° 45' 00" W	
Takoumit oasis	Morocco		32° 05' 00" N 3° 46' 00" W	1115 m
Takwa Mines	Ghana		5° 28' 00" N 0° 51' 00" W	74 m
Tal des Belegaz (see Balaghes valley)	Ethiopia		12° 50' 00" N 38° 20' 00" E	762 m
Tal des Belghe (see Balaghes valley)	Ethiopia		12° 50' 00" N 38° 20' 00" E	762 m

Talama, 4 km SW (see Kabobo forest)	Congo (Democratic Republic of the)		4° 59' 29" S 29° 04' 49" E	
Talanga forest	South Sudan		4° 00' 00" N 32° 44' 00" E	914 m
Talantegau (see Talantégou)	Niger		12° 29' 45" N 2° 44' 44" E	166 m
Talantégou (see also: Talantegau)	Niger		12° 29' 45" N 2° 44' 44" E	166 m
Talao, Jabal, 2 km NE Kadugli (see also: Jabal Talao, Jebel Talao, Kadugli, 2 km NE)	Sudan		11° 02' 00" N 29° 43' 00" E	550 m
Talatala	Congo (Democratic Republic of the)		1° 15' 00" N 29° 50' 00" E	1170 m
Talawdi (see also: Talodi)	Sudan		10° 38' 11" N 30° 22' 47" E	467 m
Taleh cave	Somalia		9° 12' 00" N 48° 25' 00" E	
Talek Gate	Kenya		1° 26' 00" S 35° 04' 00" E	
Talek Gate, 4.3 km NW	Kenya		1° 23' 00" S 34° 53' 00" E	
Talek Gate, near	Kenya	ca.	1° 26' 00" S 35° 04' 00" E	
Talek River, 5 mi [=8 km] above Jagartek River junction	Kenya	ca.	1° 24' 51" S 35° 05' 49" E	
Talkount (see also: Talkout)	Morocco		31° 39' 36" N 7° 15' 36" W	851 m
Talkout (see Talkount)	Morocco		31° 39' 36" N 7° 15' 36" W	851 m
Talodi (see Talawdi)	Sudan		10° 38' 11" N 30° 22' 47" E	467 m
Taluky or Tahiky, West of Ankazoabo	Madagascar			
Tamafuhi (see Tamafupi)	Botswana		21° 16' 00" S 26° 10' 00" E	
Tamafupi (see also: Tamafuhi)	Botswana		21° 16' 00" S 26° 10' 00" E	
Tamafupi, 33 km N	Botswana	ca.	20° 57' 38" S 26° 16' 41" E	
Tamaghzah oasis (see also: Tamerza oasis)	Tunisia		34° 23' 00" N 7° 57' 00" E	441 m
Tamahrasset (see Tamanrasset)	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Tamale (see Pong-Tamale)	Ghana		9° 41' 06" N 0° 49' 57" W	146 m
Tamanghasset (see Tamanrasset)	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
TamanPC:TM|)	Algeria	ca.	23° 45' 00" N 4° 40' 00" E	
Tamanrasset (see also: Fort Laperine , Fort Laperrine, Tamahrasset, Tamanghasset)	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Tamanrasset province (see also: Tamanghasset province |PC:TM|, Wilaya de Tamanghasset, Wilaya de Tamanrasset)	Algeria	ca.	23° 45' 00" N 4° 40' 00" E	
Tamanrasset, 110 km NW	Algeria		23° 42' 00" N 5° 08' 00" E	
Tamanrasset, 55 km N	Algeria		23° 12' 00" N 5° 31' 59" E	
Tamanrasset, near	Algeria	ca.	22° 47' 06" N 5° 31' 22" E	
Tamanrasset, oasis	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Tamatave (see Toamasina)	Madagascar		18° 10' 00" S 49° 23' 00" E	22 m
TamatPC:TM|)	Madagascar			
Tamatave, N of (see Toamasina, N of)	Madagascar	ca.	18° 10' 00" S 49° 23' 00" E	
Tamba Tamba cave b 12 (see also: Tamba Tamba grot b 12)	Congo (Democratic Republic of the)		5° 43' 00" S 14° 27' 00" E	
Tamba Tamba grot b 12 (see Tamba Tamba cave b 12)	Congo (Democratic Republic of the)		5° 43' 00" S 14° 27' 00" E	
Tambacounda (see also: Tambacounda)	Senegal		13° 45' 14" N 13° 45' 31" W	61 m
Tambacounda - Niokolo-Koba National Park	Senegal		13° 46' 00" N 13° 39' 00" W	
Tambacounda region	Senegal			
Tambala Falls (see Kongelai Escarpment)	Kenya		1° 28' 00" N 35° 01' 00" E	1676 m
Tambao	Burkina Faso		14° 48' 00" N 0° 06' 00" E	
Tambarara	Mozambique		18° 40' 15" S 34° 05' 54" E	423 m
Tambi, Tambi	Tanzania			
Tambook Vlei (see Tambookies Vlei)	South Africa		32° 36' 00" S 26° 43' 00" E	900 m
Tambookies Vlei, near Hertzog (see also: Tambook Vlei)	South Africa		32° 36' 00" S 26° 43' 00" E	900 m
Tambotiekloof, Farm 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	South Africa		23° 54' 00" S 27° 41' 00" E	
Tambotieskloof, Farm 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	South Africa		23° 54' 00" S 27° 41' 00" E	
Tambura, 45 km N	Sudan			
Tamerza oasis (see Tamaghzah oasis)	Tunisia		34° 23' 00" N 7° 57' 00" E	441 m
Tamira	Rwanda		1° 34' 00" S 29° 22' 00" E	
Tamkal Camp	Kenya		1° 23' 00" N 35° 28' 00" E	
Tampina	Madagascar		18° 30' 00" S 49° 16' 00" E	25 m
Tampolo forest (see Forêt de Tampolo)	Madagascar	ca.	17° 19' 20" S 49° 20' 02" E	
Tamtattoucht (see Tamtetoucht)	Morocco		31° 40' 12" N 5° 31' 48" W	2247 m
Tamtattouchte (see Tamtetoucht)	Morocco		31° 40' 12" N 5° 31' 48" W	2247 m

Tamtetoucht (see also: Ksar Tamtettouchet, Tamtattoucht, Tamtattouchte)	Morocco		31° 40' 12" N 5° 31' 48" W	2247 m
Tana (see Antananarivo)	Madagascar		18° 55' 00" S 47° 31' 00" E	1288 m
Tana river	Kenya		0° 00' 00" S 37° 00' 00" E	
Tana river, Bura (see also: Kilulumа, Ozi river)	Kenya		2° 31' 49" S 40° 31' 26" E	
Tana River county	Kenya			
Tana, 70 mi [=113 km] S Lake (see Dangila)	Ethiopia		11° 17' 00" N 36° 55' 00" E	
Tana, lake (see Lake Tana)	Ethiopia		12° 00' 00" N 37° 20' 00" E	
Tanaba	South Africa			
Tanala	Madagascar			
Tanambao cave (see Grotte de Tanambao), 0.75 km E St Augustin	Madagascar		23° 32' 56" S 43° 46' 03" E	10 m
Tananarive (see Antananarivo)	Madagascar		18° 55' 00" S 47° 31' 00" E	1288 m
Tananarive, 17 km S (see Ambohijoky)	Madagascar		19° 03' 00" S 47° 29' 00" E	1340 m
Tananarive, 30 km E (see Nandihizana)	Madagascar		18° 54' 00" S 47° 43' 00" E	915 m
Tananarive, near	Madagascar	ca.	18° 55' 00" S 47° 31' 00" E	
Tananarivo	Madagascar		18° 55' 00" S 47° 31' 00" E	1300 m
Tanangire National Park	Tanzania			
Tanangire National Park (see Tarangire National Park)	Tanzania		4° 00' 00" S 36° 00' 00" E	
Tanda (see Tenda), 17 km W Gaya	Niger		11° 59' 19" N 3° 18' 56" E	209 m
Tandala	Congo (Democratic Republic of the)		2° 58' 00" N 19° 21' 00" E	456 m
Tandamanga, Liwale	Tanzania		9° 39' 00" S 37° 51' 00" E	
Tandjilé region	Chad			
Tandou, mount (see Mount Tandou)	Gabon		0° 01' 45" S 0° 10' 35" E	610 m
Tanga (see also: Longa)	Tanzania		5° 04' 00" S 39° 06' 00" E	0 m
Tanga district	Tanzania			
Tanga region	Tanzania			
Tanga, 2.5 km W (see Mkulumuzi River Gorge)	Tanzania		5° 04' 00" S 39° 03' 00" E	36 m
Tanga, 3 mi [=4.8 km] N (see Ambani caves)	Tanzania		5° 07' 30" S 38° 37' 30" E	
Tanga, hole/cave near	Tanzania	ca.	5° 04' 00" S 39° 06' 00" E	
Tanga, near	Tanzania	ca.	5° 04' 00" S 39° 06' 00" E	
Tangala, Farm 87 (see Farm Tangala 87), NW Orpen Gate	South Africa		24° 28' 00" S 31° 12' 00" E	
Tanganda Bridge, Chipinge	Zimbabwe		20° 09' 00" S 32° 21' 00" E	
Tanganika province (see Tanganyika province)	Congo (Democratic Republic of the)			
Tanganyika	Tanzania			
Tanganyika meer, NW oever (see Lake Tanganyika, NW bank)	Congo (Democratic Republic of the)	ca.	3° 20' 00" S 29° 12' 00" E	
Tanganyika province (see also: Tanganika province)	Congo (Democratic Republic of the)			
Tanganyika, Congo shore of lake	Congo (Democratic Republic of the)	ca.	6° 00' 00" S 29° 11' 00" E	
Tanganyika, lake, Great Rift Valley	Tanzania			
Tanganyika, lake, NW bank (see Lake Tanganyika, NW bank)	Congo (Democratic Republic of the)	ca.	3° 20' 00" S 29° 12' 00" E	
Tangasha River (see Tangasia River)	Kenya		1° 14' 00" N 35° 23' 00" E	2286 m
Tangasia River (see also: Tangasha River)	Kenya		1° 14' 00" N 35° 23' 00" E	2286 m
Tangaza	Nigeria		13° 22' 00" N 4° 56' 00" E	304 m
Tanger (see also: Tangeri, Tangier, Tingis)	Morocco		35° 47' 05" N 5° 48' 46" W	79 m
Tanger - Tétouan (former) region	Morocco			
Tanger, 13 km W	Morocco		35° 48' 00" N 5° 55' 59" W	
Tanger-Assilah prefecture	Morocco			
Tangeri (see Tanger)	Morocco		35° 47' 05" N 5° 48' 46" W	79 m
Tanger-Tétouan-Al Hoceima region	Morocco			
Tangier (see Tanger)	Morocco		35° 47' 05" N 5° 48' 46" W	79 m
Tanji and Brufut, between	The Gambia	ca.	13° 22' 00" N 16° 47' 00" W	
Tanji River Bird Reserve, Bald Cape, near	The Gambia		13° 22' 20" N 16° 47' 07" W	
Tanjona Andefitra (see Tanjona Ankaboa)	Madagascar		21° 52' 00" S 43° 20' 00" E	
Tanjona Ankaboa (see also: Cap Saint Vincent, Cape Saint Vincent, Saint Vincent Cape, Tanjona Andefitra)	Madagascar		21° 52' 00" S 43° 20' 00" E	
Tanjona Ankaboa, near (see also: Cape Saint Vincent, near)	Madagascar	ca.	21° 52' 00" S 43° 20' 00" E	
Tanosy or Monotane forestry station, 8 km NE Fort-Dauphin (see also: Fort-Dauphin, 8 km NE, Tolanaro, 8 km NE)	Madagascar		24° 58' 40" S 47° 00' 00" E	
Tan-Tan Plage, 30 km SE	Morocco		28° 26' 00" N 11° 06' 00" W	
Tan-Tan prefecture	Morocco			
Tantara cave (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m

Tanzania	Tanzania			
Tanzania National Park	Tanzania			
Taolanara (see Tolanaro)	Madagascar		25° 02' 00" S 47° 00' 00" E	0 m
Taoudénit region	Mali			
Taounat, 15 km WSW (see Taounate, 15 km WSW)	Morocco		34° 29' 00" N 4° 48' 00" W	
Taounate prefecture	Morocco			
Taounate, 15 km WSW (see also: Taounat, 15 km WSW, Tawnat, 15 km WSW)	Morocco		34° 29' 00" N 4° 48' 00" W	
Taourirt prefecture	Morocco			
Taparura (see Sfax)	Tunisia		34° 44' 26" N 10° 45' 37" E	12 m
Tapera, Lohatanjona (see Itapera, Pointe)	Madagascar		24° 54' 00" S 47° 08' 00" E	10 m
Tapeta (see Ding River)	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Tapi Town (see Ding River)	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Tapita	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Tapoa (see La Tapoa)	Niger		12° 29' 31" N 2° 21' 36" E	225 m
Tapoa province	Burkina Faso			
Tapoa, 1 km N (see La Tapoa, 1 km N)	Niger		12° 29' 31" N 2° 21' 36" E	
Tapoa, 12 km E	Niger		12° 29' 12" N 2° 31' 58" E	
Tapoa, 2 km E (see La Tapoa, 2 km E)	Niger		12° 36' 00" N 2° 29' 00" E	
Tapoa, 21 km E (see La Tapoa, 21 km E)	Niger		12° 30' 00" N 2° 33' 00" E	
Tapoa, 21 km S (see La Tapoa, 21 km S)	Niger	ca.	12° 11' 00" N 2° 20' 00" E	
Tapoa, 28 km S (see La Tapoa, 28 km S)	Niger	ca.	12° 10' 54" N 2° 20' 05" E	
Tapoa, 29 km S (see La Tapoa, 29 km S)	Niger	ca.	12° 10' 54" N 2° 20' 05" E	
Tappi (see Ding River)	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Tappita (see Ding River)	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Tappitown (see Ding River)	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Taraba state	Nigeria			
Taràbles (see Tarabulus)	Libya		32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus (see also: Aea, Ea, Oea, Taràbles, Tarabulus al Gharb, Tarabulus el Gharb, Tripoli)	Libya		32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus al Gharb (see Tarabulus)	Libya		32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus el Gharb (see Tarabulus)	Libya		32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus municipality	Libya			
Tarakaka (see Terakeka)	South Sudan		5° 27' 07" N 31° 45' 14" E	436 m
Tarangire Game Reserve (see Tarangire National Park)	Tanzania		4° 00' 00" S 36° 00' 00" E	
Tarangire National Park (see also: Tanangire National Park, Tarangire Game Reserve)	Tanzania		4° 00' 00" S 36° 00' 00" E	
Tarangire National Park	Tanzania		3° 47' 42" S 36° 03' 49" E	
Tarhuna-Masallatah municipality	Libya			
Tarkastad, 13 km S	South Africa		24° 03' 00" S 31° 06' 00" E	
Tarla's Dam (see Kapenguria)	Kenya		1° 14' 00" N 35° 07' 00" E	
Taroudannt prefecture	Morocco			
Tars Town, 25 km N Zwedru (see also: Zwedru, 25 km N)	Liberia		6° 13' 00" N 8° 08' 00" W	
Tashinga	Zimbabwe		16° 52' 00" S 28° 22' 00" E	
TASOK (The American School of Kinshasa) (see Kinshasa, 10 km W)	Congo (Democratic Republic of the)	ca.	4° 20' 00" S 15° 15' 00" E	
Tassi (see Teshi)	Ghana		5° 35' 00" N 0° 06' 00" W	68 m
Tassili des Adjers (see Tassili-n-Ajjer)	Algeria	ca.	25° 30' 00" N 9° 00' 00" E	
Tassili N'Ajer (see Tassili-n-Ajjer)	Algeria	ca.	25° 30' 00" N 9° 00' 00" E	
Tassili-n-Ajjer (see also: Tassili des Adjers, Tassili N'Ajer)	Algeria	ca.	25° 30' 00" N 9° 00' 00" E	
Tasso island	Sierra Leone		8° 33' 17" N 13° 04' 28" W	
Tata (see also: Tatta)	Morocco		29° 45' 00" N 7° 59' 00" W	670 m
Tata prefecture	Morocco			
Tata, 15 km S	Morocco	ca.	29° 37' 59" N 7° 57' 00" W	
Tata, 8 km N	Morocco	ca.	29° 44' 00" N 7° 56' 00" W	
Tata, near (see also: Aux environs de Tata)	Morocco	ca.	29° 45' 00" N 7° 59' 00" W	
Tatahouïne (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Tatanda, 70 km S Sumbawango (see also: Sumbawango, 70 km S)	Tanzania		8° 31' 00" S 31° 30' 00" E	1907 m
Tataouine (see also: Foum Tatahouine, Foum Tataouine, Fum Tatawin, Fumm Tattauin, Tatahouïne, Tatawin)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Tataouine governorate	Tunisia			
Tatarko	Burkina Faso		13° 29' 00" N 0° 02' 00" W	
Tatawin (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Tatta (see Tata)	Morocco		29° 45' 00" N 7° 59' 00" W	670 m
Tatuga (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		9° 21' 35" N 31° 36' 03" E	276 m
Taua, 100 mi [=160 km] S Lake (see Fet'am Shet')	Ethiopia			

Taufikia (see Tawfiqiyah)	South Sudan		9° 25' 54" N 31° 37' 46" E	276 m
Taukra (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Taung, Bophuthatswana (see also: Taungs)	South Africa		27° 32' 00" S 24° 48' 00" E	1101 m
Taung World Heritage Site	South Africa		27° 37' 14" S 24° 38' 09" E	
Taung, 16 km SW (see Norlim mine)	South Africa		27° 37' 00" S 24° 38' 00" E	1087 m
Taungs (see Taung), Bophuthatswana	South Africa		27° 32' 00" S 24° 48' 00" E	1101 m
Taveta	Kenya		3° 23' 00" S 37° 40' 00" E	
Taveta Sisal Estate, SW Taveta	Kenya		3° 24' 00" S 37° 41' 00" E	910 m
Taveta, 3 km E	Kenya		3° 23' 00" S 37° 42' 00" E	760 m
Tawfiqiyah (see also: Taufikia, Tawfiqiyya)	South Sudan		9° 25' 54" N 31° 37' 46" E	276 m
Tawfiqiyya (see Tawfiqiyah)	South Sudan		9° 25' 54" N 31° 37' 46" E	276 m
Tawnat, 15 km WSW (see Taounate, 15 km WSW)	Morocco		34° 29' 00" N 4° 48' 00" W	
Tawzar (see Tozeur)	Tunisia		33° 55' 14" N 8° 08' 00" E	43 m
Taya, djebel	Algeria		36° 30' 06" N 7° 07' 27" E	
Tayele (river) (see Taere river)	Congo (Democratic Republic of the)		4° 33' 00" N 29° 47' 00" E	
Taza, Lead mine [=Mine de Plomb]	Morocco		34° 13' 00" N 4° 01' 00" W	598 m
Taza - Al Hoceima - Taounate (former) region	Morocco			
Taza prefecture	Morocco			
Taza, 13 km S	Morocco		34° 09' 00" N 4° 04' 01" W	
Tazarine (see also: El Kelaa n'Tazarine, Tazarine-des-Zerarda, Tazzarine)	Morocco		33° 52' 48" N 4° 10' 48" W	1395 m
Tazarine cave (see also: Grotte de Tazarine)	Morocco		34° 55' 16" N 2° 19' 46" W	
Tazarine, 3 km NW	Morocco	ca.	33° 53' 00" N 4° 11' 00" W	
Tazarine-des-Zerarda (see Tazarine)	Morocco		33° 52' 48" N 4° 10' 48" W	1395 m
Tazawat	Burkina Faso	ca.	14° 40' 36" N 0° 27' 19" W	
Tazzarine (see Tazarine)	Morocco		33° 52' 48" N 4° 10' 48" W	1395 m
Tchad, lac (see Chad, lake)	Tchad, lac	ca.	13° 20' 00" N 14° 10' 00" E	
Tchibanga (see also: Sibange farm, Ssibange farm)	Gabon		2° 51' 00" S 11° 02' 00" E	166 m
Tchien (see Zwedru)	Liberia		6° 04' 00" N 8° 07' 41" W	274 m
Tchien, 25 km N (see Zwerdu, 25 km N)	Liberia	ca.	6° 05' 00" N 8° 07' 00" W	
Tchien, 7 km N (see Zwerdu, 7 km N)	Liberia	ca.	6° 05' 00" N 8° 07' 00" W	
Tchilounga (see also: Tschiloango [=Tchilounga])	Congo			
Tchologo region	Côte d'Ivoire			
Tchonou	Togo		7° 30' 00" N 1° 15' 00" E	152 m
Teaye (see Tiayie)	Liberia		7° 03' 00" N 9° 04' 00" W	303 m
Teayee (see Tiayie)	Liberia		7° 03' 00" N 9° 04' 00" W	303 m
Teayi (see Tiayie)	Liberia		7° 03' 00" N 9° 04' 00" W	303 m
Tebeig Asben	Niger		16° 40' 00" N 8° 30' 00" E	
Tébessa province	Algeria			
Tebourba, near Tunis (see also: Taburbah)	Tunisia		36° 50' 23" N 9° 50' 00" E	18 m
Tebourba, cave near, near Tunis (see also: Taburbah, cave near)	Tunisia		36° 50' 00" N 9° 50' 00" E	
Teboursouk, délégation de (see Taburbah, Mu'tamadiyat)	Tunisia		36° 55' 00" N 9° 45' 00" E	
Tegemo farm, 13 km W Mbalizi (see also: Mbalizi, 13 km W, Songwe Valley)	Tanzania	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
Tegetero, 3 km W, 1.3 km N (see Uluguru North Forest Reserve)	Tanzania		6° 55' 00" S 37° 42' 00" E	
Telaweit, near Kassala	Sudan		15° 24' 00" N 36° 25' 00" E	
Télimélé prefecture	Guinea			
Tello	Cameroon		7° 10' 00" N 14° 11' 00" E	1426 m
Telperion Nature Reserve (see also: Farm 495JR (Sterkfontein), Farm Sterkfontein 495JR, Starkfontein, Farm 495JR)	South Africa		25° 42' 41" S 29° 01' 03" E	
Tembe	South Africa			
Tembe Elephant Park, Ingwavuma (see also: Tembe National Park)	South Africa		27° 02' 36" S 32° 25' 23" E	84 m
Tembe Elephant Park, east of HQ, pan	South Africa		27° 03' 42" S 32° 27' 06" E	65 m
Tembe National Park (see Tembe Elephant Park), Ingwavuma	South Africa		27° 02' 36" S 32° 25' 23" E	84 m
Tembuka	Malawi		14° 28' 00" S 35° 16' 00" E	
Tembwe	Congo (Democratic Republic of the)		6° 30' 00" S 29° 22' 00" E	1055 m
Tembwe village	Zambia		11° 21' 41" S 32° 53' 16" E	1020 m
Témédja	Togo		7° 31' 00" N 1° 03' 00" E	226 m
Temple of Hibis (see El Wadi El Gedid governorate)	Egypt		25° 26' 00" N 30° 33' 00" E	32 m
Temvo	Congo (Democratic Republic of the)		5° 30' 00" S 13° 01' 00" E	238 m

Ten Bosch Estates, 10 km NE Hectorspruit (see also: Hectorspruit, 10 km NE)	South Africa		25° 20' 00" S 31° 50' 00" E	
Tenbosch, Farm 112JU (see Farm Tenbosch 112JU)	South Africa		25° 22' 35" S 31° 55' 21" E	
Tenda, 17 km W Gaya (see also: Gaya, 17 km W, Tanda)	Niger		11° 59' 19" N 3° 18' 56" E	209 m
Tendaguro (see also: Tendaguru, Tendoguru)	Tanzania		9° 45' 00" S 39° 20' 00" E	
Tendaguru (see Tendaguro)	Tanzania		9° 45' 00" S 39° 20' 00" E	375 m
Tende	Uganda		0° 28' 12" S 32° 28' 48" E	
Tendoguru (see Tendaguro), Likwaje [=Likwaya]	Tanzania		9° 49' 00" S 39° 34' 00" E	
Tendrombohitr' Antsingy (see also: Montagne des Français, Montagne des Francis)	Madagascar		12° 22' 20" S 49° 21' 59" E	
Ténéré	Ténéré			
Tenerife	Canary Islands (Spain)		28° 19' 00" N 16° 34' 00" W	
Ténès, West of Algiers	Algeria		36° 30' 40" N 1° 18' 43" E	2 m
Tengeru (see also: Tenguru)	Tanzania		3° 23' 00" S 36° 50' 00" E	1250 m
Tenguru (see Tengeru)	Tanzania		3° 23' 00" S 36° 50' 00" E	
Tenim Bas	Gabon			
Tenke, 130 km N Likasi (see also: Likasi, 130 km N, Mwelampande, Mwela-Pande cave)	Congo (Democratic Republic of the)		10° 35' 00" S 26° 07' 00" E	1512 m
Tentyra (see Dandarah)	Egypt		26° 10' 09" N 32° 39' 19" E	67 m
Terakeka (see also: Tarakaka, Terrakekka, Terrakka)	South Sudan		5° 27' 07" N 31° 45' 14" E	436 m
Terceira Island	Azores [Portugal]	ca.	38° 43' 00" N 27° 13' 00" W	
Terjit	Mauritania		20° 14' 48" N 13° 05' 13" W	418 m
Ternata	Ternata			
Terrakekka (see Terakeka)	South Sudan		5° 27' 07" N 31° 45' 14" E	436 m
Terrakka (see Terakeka)	South Sudan		5° 27' 07" N 31° 45' 14" E	436 m
Territoire Français d'Afas et Issas (see Djibouti)	Territoire Français d'Afas et Issas			
Teshi (see also: Tassi, Teshie)	Ghana		5° 35' 00" N 0° 06' 00" W	68 m
Teshie (see Teshi)	Ghana		5° 35' 00" N 0° 06' 00" W	68 m
Teso (see also: Serere Agricultural Research Station)	Uganda		1° 31' 00" N 33° 27' 00" E	
Tetane Muchena (see Aldeia Muchena)	Mozambique		15° 40' 56" S 33° 48' 20" E	356 m
Tete, on the Zambezi River (see also: Vila-de-Santiago-Maior)	Mozambique		16° 09' 23" S 33° 35' 12" E	140 m
Tete province	Mozambique			
Tete, 2 mi [=3.2 km] E	Mozambique	ca.	16° 10' 00" S 33° 37' 00" E	
Tete, 2 mi [=3.2 km] SE	Mozambique		16° 07' 00" S 33° 37' 00" E	
Tete, 5 mi [=8 km] W (see Magude, 45 km SW)	Mozambique		16° 08' 32" S 33° 31' 47" E	
Tete, near	Mozambique	ca.	16° 09' 23" S 33° 35' 12" E	
Tététou (see also: Tetetou)	Togo		7° 01' 00" N 1° 30' 00" E	105 m
Tetetou (see Tététou)	Togo		7° 01' 00" N 1° 30' 00" E	105 m
Tétouan prefecture	Morocco			
Tétouane, cave 6 km E	Morocco	ca.	35° 34' 00" N 5° 17' 00" W	250 m
Tetse fly gate, Kariba district, Kanyati Communial land, 5 km NNW Chibero (see also: Chibero, 5 km NNW)	Zimbabwe			
Teturi	Congo (Democratic Republic of the)		1° 04' 00" N 29° 08' 00" E	766 m
Teuchira (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Tévelave, above (see La Tévelave, above)	Réunion	ca.	21° 09' 47" S 55° 23' 39" E	
Teyateyaneng	Lesotho		29° 09' 00" S 27° 44' 00" E	1595 m
Teza, 2.3 km N, 0.7 km W (see Kibira National Park)	Burundi		3° 12' 57" S 29° 33' 49" E	
Thaba Nchu, Koele [97] (see also: Farm 97 (Koele), Farm Koele 97, Koele, Farm 97)	South Africa		29° 13' 00" S 26° 50' 00" E	1531 m
Thaba Nchu (see Giel de Wet Park), Giel de Wet Park	South Africa		29° 07' 30" S 26° 37' 30" E	
Thabaphaswa	South Africa		24° 03' 00" S 29° 02' 00" E	
Thaba-Tseka district	Lesotho			
Thabazimbi (see also: Thambazimbi)	South Africa		24° 36' 00" S 27° 24' 00" E	1420 m
Thabazimbi, 10 mi [=16 km] N (see Rotterdam, Farm)	South Africa		24° 33' 17" S 27° 20' 20" E	
Thabazimbi, 16 mi [=26 km] SE (see Farm Buffelshoek 446KQ)	South Africa		24° 40' 00" S 27° 21' 00" E	
Thabazimbi, 16 mi [=26 km] SE (see Farm Waterval) (see also: Farm Weynek, Rooiberg, 2 mi [=3.2 km] W, Weinek, Farm, Weynek, Farm)	South Africa		24° 39' 17" S 27° 12' 48" E	
Thabazimbi, 24 km E (see Gatkop cave)	South Africa		24° 37' 05" S 27° 39' 08" E	

Thabazimbi, 24 km SW (see Farm Tygerkloof 354)	South Africa		24° 41' 40" S 27° 12' 33" E	
Thabazimbi, 32 km W	South Africa		25° 30' 00" S 27° 30' 00" E	
Thabazimbi, 39 km SE (see Rooiberg)	South Africa		24° 46' 00" S 27° 44' 00" E	1162 m
Thabazimbi, 48 km SE (see Farm Hartebeesthoek)	South Africa		24° 47' 00" S 27° 45' 00" E	
Thabazimbi, 50 km SE (see Farm Hartbeesfontein 603 KQ)	South Africa		24° 47' 04" S 27° 45' 49" E	1182 m
Thabo Mofutsanyane district	South Africa			
Thala, 28 km E (see Jabal al Wast)	Tunisia		35° 33' 37" N 8° 52' 59" E	
Thambazimbi (see Thabazimbi)	South Africa		24° 36' 00" S 27° 24' 00" E	1420 m
Thamsilt (see M'Sila)	Algeria		35° 42' 21" N 4° 32' 31" E	508 m
Thankerton, Farm 175JU (see Farm Thankerton 175JU)	South Africa		25° 26' 21" S 31° 39' 27" E	
Tharaka Nithi county	Kenya			
The Cape (see Cape province)	South Africa			
The Downs [10 locs]	South Africa			
The Downs, Farm (see Farm The Downs), Lebowa	South Africa		24° 09' 00" S 30° 11' 00" E	
The Gambia (see also: Gambia, The)	The Gambia			
The Haven	South Africa		32° 14' 05" S 28° 55' 17" E	7 m
The Homestead [mine], Esigodini (see also: Homestake [mine], Homestead [mine])	Zimbabwe		20° 12' 00" S 28° 54' 00" E	
The Kowie (see Port Alfred)	South Africa		33° 36' 00" S 26° 54' 00" E	30 m
The Peak (see Piggs Peak)	Swaziland		25° 58' 00" S 31° 15' 00" E	
The Van Wyks Vlei Settlement Plan (see also: Van Wyksvlei, Van Wyksvlei Settlements)	South Africa		30° 18' 00" S 21° 50' 00" E	958 m
Thebe (see Thebes)	Egypt		25° 41' 59" N 32° 34' 55" E	
Thebes, near Luxor (see also: Thebe)	Egypt		25° 41' 59" N 32° 34' 55" E	
Thekla river	Kenya		2° 31' 00" S 40° 31' 00" E	
Therma	Tunisia			
Thiès	Senegal		14° 48' 00" N 16° 56' 00" W	63 m
Thiès region	Senegal			
Thiès, 10 km W	Senegal	ca.	14° 48' 00" N 16° 56' 00" W	
Thika (see also: Dhika)	Kenya		1° 03' 00" S 37° 05' 00" E	
Thika road, 12 km NE Nairobi	Kenya		1° 13' 15" S 36° 53' 22" E	
Thika, 16 km N	Kenya		0° 54' 00" S 37° 05' 00" E	1500 m
Thika, 6 km N (see also: Dhika, 6 km N)	Kenya	ca.	0° 59' 37" S 37° 05' 09" E	ca. 1500 m
Thika, near	Kenya	ca.	1° 03' 00" S 37° 05' 00" E	
Third Mine Tunnel (see Farm Waterval)	South Africa		25° 52' 11" S 30° 19' 19" E	
Thomeng, near Norlim	South Africa		27° 37' 55" S 24° 38' 37" E	
Thondwe (see also: Ntondwe, Ntondwe Market)	Malawi		15° 30' 00" S 35° 27' 00" E	678 m
Thornpark Estate	Zimbabwe		17° 43' 00" S 31° 01' 00" E	
Three Rivers, 11 Spey Drive	South Africa		26° 39' 00" S 27° 59' 00" E	
Three Sisters	South Africa		31° 54' 00" S 23° 05' 00" E	1200 m
Thur (see At Tur)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
Thyolo, on Ruo River (see also: Cholo)	Malawi		16° 04' 00" S 35° 08' 00" E	905 m
Thyolo district	Malawi			
Thyolo, mount, Magombe and Satemwa Tea Estates (see also: Cholo, mount, Magombe and Satemwa Tea Estates, Mount Thyolo)	Malawi		16° 05' 00" S 35° 09' 00" E	4000 ft
Thysstad (see Mbanza-Ngungu)	Congo (Democratic Republic of the)		5° 15' 00" S 14° 52' 00" E	604 m
Thysville (see Mbanza-Ngungu)	Congo (Democratic Republic of the)		5° 15' 00" S 14° 52' 00" E	604 m
Thysville, cave (see Banjan caves)	Congo (Democratic Republic of the)		5° 16' 00" S 14° 53' 00" E	
Thysville, cave b 12 a	Congo (Democratic Republic of the)		5° 16' 00" S 14° 52' 00" E	
Thysville, cave b 13 a (see Banjan caves)	Congo (Democratic Republic of the)		5° 16' 00" S 14° 53' 00" E	
Tiaret province	Algeria			
Tiayi (see Tiayie)	Liberia		7° 03' 00" N 9° 04' 00" W	303 m
Tiayie (see also: Teaye, Teayee, Teayi, Tiayi)	Liberia		7° 03' 00" N 9° 04' 00" W	303 m
Tibati	Cameroon		6° 28' 00" N 12° 38' 00" E	838 m
Tibati air strip	Cameroon		6° 28' 00" N 12° 38' 00" E	748 m
Tibati, 6 km NW (see Meng River)	Cameroon		6° 28' 00" N 12° 38' 00" E	
Tibesti	Chad		21° 30' 00" N 17° 30' 00" E	
Tibesti region	Chad			
Tica, 32 km S (see Ura, lagoa)	Mozambique		19° 42' 36" S 34° 19' 52" E	
Ticufales or Tieufola cave (see also: Grotte de Ticufales ou Tieufola)	Mali	ca.	12° 39' 00" N 8° 00' 00" W	
Tiegba	Côte d'Ivoire			

Tienko (see Tyenko)	Côte d'Ivoire		8° 14' 00" N 7° 34' 00" W	451 m
Tierkloof, Gamkaberg (see also: Bushcamp)	South Africa		33° 44' 30" S 21° 53' 30" E	
Tiflet, 15 km W	Morocco		33° 55' 59" N 6° 27' 00" W	
Tiflet, 21 km W	Morocco		33° 59' 00" N 6° 34' 00" W	
Tigray state	Ethiopia			
Tiguent	Mauritania		17° 14' 25" N 16° 05' 16" W	20 m
Tiguerte cave, 30 km NW Agadir (see also: Agadir, 30 km NW)	Morocco	ca.	30° 38' 00" N 9° 50' 00" W	
Tikjda, 7 km W Lalla Kedidja (see also: Lalla Kedidja, 7 km W)	Algeria		36° 27' 00" N 4° 08' 00" E	1111 m
Tiko	Cameroon		4° 04' 28" N 9° 22' 12" E	64 m
Tiko, near	Cameroon	ca.	4° 04' 28" N 9° 22' 12" E	
Tillaberi region	Niger			
Timbabé River (see Río Timbabé)	Equatorial Guinea	ca.	3° 44' 11" N 8° 45' 09" E	
Timbavati, Gazankulu	South Africa		24° 19' 00" S 31° 20' 00" E	
Timboctú (see Tombouctou)	Mali		16° 46' 00" N 3° 01' 00" W	261 m
Timbuctoo (see Tombouctou)	Mali		16° 46' 00" N 3° 01' 00" W	261 m
Timbuctú (see Tombouctou)	Mali		16° 46' 00" N 3° 01' 00" W	261 m
Timbuktu (see Tombouctou)	Mali		16° 46' 00" N 3° 01' 00" W	261 m
Timbuktu region (see also: Tombouctou region |PC:TT|)	Mali			
Timimoun	Algeria			
Tindiga, Kilosa	Tanzania		6° 55' 00" S 37° 20' 00" E	
Tindouf province	Algeria			
Tingasi	Congo (Democratic Republic of the)		3° 24' 00" N 27° 55' 00" E	
Tingis (see Tanger)	Morocco		35° 47' 05" N 5° 48' 46" W	79 m
Tinkon, 3 mi [=4.8 km] NW (see Tinkong, 3 mi [=4.8 km] NW)	Ghana	ca.	5° 59' 00" N 0° 14' 00" W	171 m
Tinkong, 3 mi [=4.8 km] NW (see also: Tinkon, 3 mi [=4.8 km] NW)	Ghana	ca.	5° 59' 00" N 0° 14' 00" W	171 m
Tinyade Estate	Malawi		15° 51' 34" S 35° 35' 25" E	815 m
Tipaza province	Algeria			
Tirangole, 20 mi [=32 km] E Torit (see also: Torit, 20 mi [=32 km] E)	South Sudan		4° 28' 41" N 32° 49' 12" E	664 m
Tiras Mountains (see also: Namib Berge, Tirasberge)	Namibia		26° 08' 00" S 16° 30' 00" E	
Tirasberge (see Tiras Mountains)	Namibia		26° 08' 00" S 16° 30' 00" E	
Tiris Zemmour region	Mauritania			
Tisihombe (see Tsiombe)	Madagascar		25° 18' 00" S 45° 29' 00" E	63 m
Tisongo, Lake (see also: Lake Tisongo)	Cameroon		3° 25' 00" N 9° 54' 00" E	
Tisouka, mount (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Tissemsilt province	Algeria			
Tit	Algeria		22° 57' 42" N 5° 11' 51" E	1332 m
Tiwi, 25 km S Mombasa (see also: Mombasa, 25 km S)	Kenya		4° 14' 00" S 39° 35' 00" E	5 m
Tiwi Beach, 25 km S Mombasa	Kenya		4° 14' 00" S 39° 35' 00" E	2 m
Tiwi River delta	Kenya		4° 15' 00" S 39° 35' 00" E	
Tiwi, 1 km N	Kenya	ca.	4° 14' 00" S 39° 34' 00" E	
Tiwi, NW of	Kenya	ca.	4° 14' 00" S 39° 34' 00" E	
Tizi Ouzou province	Algeria			
Tiznit prefecture	Morocco			
Tiznit, 34 km WNW? (see Souq l'Arba N. Ayt Ahmad)	Morocco	ca.	29° 59' 44" N 9° 39' 44" W	
Tjirundo, Farm 91 (see Farm Tjirundo 91)	Namibia		21° 12' 50" S 15° 52' 20" E	1300 m
Tkai-Tkab Sinkhole, Etosha, 25.2 km N, 23.5 km W Otavi (see also: Otavi, 25.2 km N, 23.5 km W)	Namibia		19° 20' 30" S 17° 20' 30" E	1300 m
Tlemcem Mountains	Algeria			
Tlemcem province	Algeria			
Toamasina (see also: Tamatave)	Madagascar		18° 10' 00" S 49° 23' 00" E	22 m
Toamasina province (see also: Tamatave province |PC:TM|)	Madagascar			
Toamasina, N of (see also: Tamatave, N of)	Madagascar	ca.	18° 10' 00" S 49° 23' 00" E	
Toamasina, near	Madagascar	ca.	18° 10' 00" S 49° 23' 00" E	
Tocra (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Todzi	Ghana			
Togecha River (see Río Togecha)	Equatorial Guinea		3° 45' 00" N 8° 49' 00" E	
Toghdeer region (see also: Tojtier region |PC:TO|)	Somalia			
Togo	Togo			
Togo (see Togoville)	Togo		6° 13' 41" N 1° 28' 41" E	63 m
Togoville (see also: Togo)	Togo		6° 13' 41" N 1° 28' 41" E	63 m

Toguéré-Coumbé (see Toguéré-Koumbé)	Mali		14° 55' 01" N 4° 35' 41" W	268 m
Toguéré-Koumbé (see also: Toguéré-Coumbé)	Mali		14° 55' 01" N 4° 35' 41" W	268 m
Tohbugodunda cave (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
TojtiPC:TO|)	Somalia			
Tokade, mount (see also: Tokadeh, mount, Tokaden, mount)	Liberia		7° 27' 01" N 8° 40' 17" W	
Tokadeh, mount (see Tokade, mount)	Liberia		7° 27' 01" N 8° 40' 17" W	
Tokaden, mount (see Tokade, mount)	Liberia		7° 27' 01" N 8° 40' 17" W	
Tokaungu (see Kilifi, 4 mi [=6.4 km] S), 4 mi [=6.4 km] S Kilifi	Kenya		3° 41' 00" S 39° 51' 00" E	5 m
Tokrah (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Tola River, Didessa Valley, 4 km W	Ethiopia			
Tôlagnaro	Madagascar		25° 02' 00" S 47° 00' 00" E	0 m
Tolagnaro, 2 km WNW	Madagascar		25° 01' 01" S 46° 58' 59" E	20 m
Tolagnaro, 5.2 km NW (see Manantantely, falls)	Madagascar		24° 59' 21" S 46° 55' 22" E	65 m
Tolagnaro, 7 km NNW (see Ampasy Nahampoana)	Madagascar		24° 58' 00" S 46° 59' 00" E	63 m
Tolagnaro, 8 - 12 km WNW (see Manantanely Forest)	Madagascar		24° 59' 00" S 46° 54' 00" E	
Tolagnaro, 9.4 km N (see Marondavenoka, cave), near the village of Enato	Madagascar		24° 53' 26" S 46° 59' 14" E	110 m
Tolagnaro, ca. 21 km NW (see Itapera Forest)	Madagascar		24° 52' 00" S 47° 07' 00" E	
Tolagnaro, ca. 21 km NW (see Itapera, Pointe)	Madagascar		24° 54' 00" S 47° 08' 00" E	10 m
Tôla?aro (see Tolanaro)	Madagascar		25° 02' 00" S 47° 00' 00" E	20 m
Tolanaro (see also: Faradofay, Fort-Dauphin, Taolanara, Tôla?aro, Tolanaro)	Madagascar		25° 02' 00" S 47° 00' 00" E	20 m
Tolanaro (see Tolanaro)	Madagascar		25° 02' 00" S 47° 00' 00" E	0 m
Tolanaro, 13 km NE (see also: Fort-Dauphin, 13 km NE, Fort-Dauphin, 16 km NE, Mandromondromotra River)	Madagascar		25° 01' 00" S 47° 00' 00" E	
Tolanaro, 16 km NE	Madagascar		25° 01' 00" S 47° 00' 00" E	
Tolanaro, 32 km NE (see also: Fort-Dauphin, 32 km NE)	Madagascar		25° 02' 00" S 47° 00' 00" E	
Tolanaro, 72 km N (see Bemangidy)	Madagascar		24° 24' 00" S 47° 00' 00" E	
Tolanaro, 8 km NE (see Tanosy or Monotane forestry station)	Madagascar		24° 58' 40" S 47° 00' 00" E	
Tolanaro, near	Madagascar	ca.	25° 02' 00" S 47° 00' 00" E	
Toleara, 220 km NE (see Ilakaka, E of)	Madagascar		22° 41' 00" S 45° 13' 00" E	769 m
Toliara (see also: Toliary, Tuléar, Tullear)	Madagascar		23° 21' 00" S 43° 40' 00" E	20 m
Toliara province (see also: Toliary province |PC:TL|, Tulear province |PC:TL|)	Madagascar			
Toliara, E of	Madagascar	ca.	23° 21' 00" S 43° 40' 00" E	
Toliary (see Toliara)	Madagascar		23° 21' 00" S 43° 40' 00" E	20 m
ToliaPC:TL|)	Madagascar			
Tombali region	Guinea-Bissau			
Tombamnoanjo	Madagascar			1725 m
Tombel	Cameroon		4° 45' 06" N 9° 40' 22" E	593 m
Tombouctou (see also: Timboctú, Timbuctoo, Timbuctú, Timbuktu, Tombutu)	Mali		16° 46' 00" N 3° 01' 00" W	261 m
TomboPC:TT|)	Mali			
Tombutu (see Tombouctou)	Mali		16° 46' 00" N 3° 01' 00" W	261 m
Tomegbé	Togo		7° 31' 00" N 0° 36' 00" E	319 m
Tonde	Cameroon		4° 55' 00" N 13° 54' 00" E	
Tondu	Congo (Democratic Republic of the)		0° 53' 00" S 18° 09' 00" E	
Tone prefecture (see Circonscription de Dapango)	Togo		10° 55' 00" N 0° 10' 00" E	
Tonga (see also: Tonja)	South Sudan		9° 29' 13" N 31° 02' 16" E	360 m
Tonga (see Cassai)	Angola		10° 35' 00" S 21° 58' 00" E	1053 m
Tongaat (see also: Tongaat Village, Victoria)	South Africa		29° 34' 20" S 31° 07' 00" E	0 m
Tongaat Village (see Tongaat)	South Africa		29° 34' 20" S 31° 07' 00" E	0 m
Ton'gh (see Tonj)	South Sudan		7° 16' 24" N 28° 41' 02" E	427 m
Tong'omba Forest Reserve, Matumbi Massif	Tanzania		8° 25' 00" S 39° 01' 00" E	
Tongoni (see Kasongo)	Congo (Democratic Republic of the)		4° 27' 00" S 26° 40' 00" E	625 m
Tongwe Forest Reserve (see Muheza Forest)	Tanzania		5° 18' 20" S 38° 43' 44" E	
Toniataba (see also: Tonitaba)	The Gambia		13° 26' 00" N 15° 35' 00" W	21 m
Tonitaba (see Toniataba)	The Gambia		13° 26' 00" N 15° 35' 00" W	21 m
Tonj (see also: At Tonj, Ibba, Ton'gh)	South Sudan		7° 16' 24" N 28° 41' 02" E	427 m
Tonj, 103 km SE	South Sudan	ca.	6° 40' 00" N 28° 41' 00" E	

Tonj, 64 km SE	South Sudan		6° 40' 00" N 28° 41' 00" E	
Tonja (see Tonga)	South Sudan		9° 29' 13" N 31° 02' 16" E	360 m
Tonkolili district	Sierra Leone	ca.	8° 37' 08" N 11° 50' 30" W	
Tonkpi region	Côte d'Ivoire			
Topetope	Congo (Democratic Republic of the)		2° 16' 00" S 28° 03' 00" E	1390 m
Tor (see At Tur)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
Tora	Egypt		29° 56' 00" N 31° 16' 00" E	
Tora	Burundi		3° 41' 15" S 29° 33' 40" E	2186 m
Torat	Ethiopia		13° 20' 00" N 37° 23' 00" E	2773 m
Tore (see also: Tori)	Congo (Democratic Republic of the)		4° 20' 00" N 29° 50' 00" E	
Torgokaha	Côte d'Ivoire		9° 23' 00" N 5° 38' 00" W	376 m
Tori (see Tore)	Congo (Democratic Republic of the)		4° 20' 00" N 29° 50' 00" E	
Torit	South Sudan		4° 24' 48" N 32° 34' 04" E	610 m
Torit district	South Sudan	ca.	4° 24' 48" N 32° 34' 04" E	3000 ft
Torit, 10 km S	South Sudan		4° 00' 00" N 32° 45' 00" E	
Torit, 100 mi [=160 km] E (see Nagichot)	South Sudan		4° 16' 38" N 33° 33' 35" E	1981 m
Torit, 13 mi [=21 km] N (see Lawudo)	South Sudan		4° 25' 00" N 32° 34' 00" E	
Torit, 20 mi [=32 km] E (see Tirangole)	South Sudan		4° 28' 41" N 32° 49' 12" E	664 m
Torit, 20 mi [=32 km] SE (see Imurok)	South Sudan		4° 18' 46" N 32° 23' 28" E	
Torit, 20 mi [=32 km] SE (see Longairo)	South Sudan		4° 02' 25" N 32° 57' 21" E	1487 m
Torit, 20 mi [=32 km] W (see Katuluru)	South Sudan		4° 24' 48" N 32° 16' 33" E	
Torit, 25 mi [=40 km] ENE (see Loqutor)	South Sudan		4° 34' 53" N 32° 58' 20" E	
Torit, 25 mi [=40 km] SE (see Molongori)	South Sudan		4° 10' 27" N 32° 50' 32" E	1182 m
Torit, 25 mi [=40 km] SE (see Okaru)	South Sudan		4° 29' 29" N 32° 10' 09" E	911 m
Torit, 25 mi [=40 km] SSE (see Logwi)	South Sudan		4° 06' 28" N 32° 43' 14" E	1487 m
Torit, 25 mi [=40 km] W (see Torit, 25 mi [=40 km] W) (see also: Torit, 25 mi [=40 km] W)	South Sudan		4° 24' 48" N 32° 12' 10" E	
Torit, 275 km ENE (see Loelli (pools))	South Sudan		5° 05' 00" N 34° 35' 00" E	
Torit, 30 mi [=48 km] E (see Chalamni)	South Sudan		4° 29' 31" N 32° 54' 55" E	1110 m
Torit, 30 mi [=48 km] ENE (see Logirim)	South Sudan		4° 42' 58" N 33° 14' 33" E	639 m
Torit, 30 mi [=48 km] ESE (see Lofi)	South Sudan		4° 14' 22" N 32° 59' 22" E	610 m
Torit, 35 mi [=56 km] SSE (see Katiri)	South Sudan		4° 02' 32" N 32° 47' 52" E	1540 m
Torit, 35 mi [=56 km] SW (see Magwe)	South Sudan		4° 08' 17" N 32° 17' 01" E	858 m
Torit, 36 mi [=58 km] E	South Sudan	ca.	4° 08' 00" N 32° 17' 00" E	
Torit, 40 mi [=64 km] NE (see Mura)	South Sudan		4° 48' 00" N 32° 42' 00" E	948 m
Torit, 40 mi [=64 km] S (see Issore)	South Sudan		3° 54' 00" N 32° 48' 00" E	1540 m
Torit, 45 mi [=72 km] S (see Palwar)	South Sudan		3° 55' 00" N 32° 36' 00" E	1237 m
Torit, 50 mi [=80 km] E (see Murukiron)	South Sudan		4° 20' 00" N 33° 20' 00" E	1080 m
Torit, 50 mi [=80 km] SE (see Ikoto)	South Sudan		4° 04' 42" N 33° 06' 32" E	
Torit, 60 mi [=96 km] ESE (see Latome)	South Sudan		4° 07' 00" N 33° 37' 00" E	1257 m
Torit, 80 km E	South Sudan		4° 27' 00" N 32° 31' 00" E	
Torit, near	South Sudan	ca.	4° 24' 48" N 32° 34' 04" E	
Toro, Ruwenzori	Uganda		0° 30' 00" N 30° 30' 00" E	762 m
Toro district (former) (see also: Kingdom of Toro)	Uganda		0° 30' 00" N 30° 30' 00" E	5500 ft
Toronto, Mutare	Zimbabwe		18° 54' 00" S 32° 30' 00" E	
Tororo	Uganda		0° 41' 05" N 34° 10' 52" E	1185 m
Tororo	Kenya	ca.	0° 37' 00" N 34° 12' 00" E	
Tororo district	Uganda			
Tororo, 10 km [=6 mi] SSW	Uganda		0° 36' 00" N 34° 08' 44" E	
Tororo, 12 mi [=19 km] W (see Mulanda)	Uganda		0° 40' 53" N 34° 00' 27" E	1085 m
Tororo, 2 mi[=3.2 km] SSW (see Sukuli Hills)	Uganda		0° 40' 05" N 34° 10' 29" E	
Tororo, 22 km [=12 mi.] W (see Ngongera, Bukedi, Pope Pius X Seminary)	Uganda		1° 04' 00" N 34° 19' 00" E	
Tororo, 30 mi [=48 km] E	Kenya		0° 40' 00" N 34° 30' 00" E	1524 m
Tororo, 64 km SW	Uganda		0° 14' 50" N 33° 59' 10" E	
Tororo, 9.7 km SSW (see Bukedi)	Uganda		0° 39' 00" N 34° 08' 00" E	
Tossari	Sudan		10° 40' 00" N 30° 02' 00" E	
Tote Tea Forest	Cameroon		4° 09' 00" N 9° 13' 00" E	
Toteng	Botswana		20° 23' 00" S 22° 57' 00" E	940 m
Touareg Sahara	Algeria			
Touareg Sahara	Mauritania			
Toucan site	Gabon		1° 48' 00" S 9° 54' 00" E	
Toudjane (see Tujan)	Tunisia		33° 28' 00" N 10° 08' 00" E	599 m
Toudou mines	Niger		12° 28' 27" N 2° 27' 29" E	
Tougoué prefecture	Guinea			
Toujane (see Tujan)	Tunisia		33° 28' 00" N 10° 08' 00" E	599 m
Toujane, 3 km N(W), on MC 104, 45 km S Gabès (see also: Gabès, 45 km S)	Tunisia		33° 29' 37" N 10° 08' 00" E	
Toumodi	Côte d'Ivoire		6° 33' 29" N 5° 01' 04" W	252 m
Toumodi department	Côte d'Ivoire			
Toumodi sud	Côte d'Ivoire		6° 33' 00" N 5° 01' 00" W	152 m
Toumodi, 5 km SE	Côte d'Ivoire	ca.	6° 33' 00" N 5° 01' 00" W	

Touré	Senegal			
Tourela, 2.3 km E	Guinea		8° 30' 32" N 8° 57' 00" W	621 m
Tourist Camp, 3 km W, near pool along link road	Malawi		16° 14' 00" S 34° 35' 00" E	
Tourou	Benin		9° 21' 00" N 2° 33' 00" E	311 m
Touroua	Cameroon		9° 05' 00" N 12° 58' 00" E	202 m
(see also: Turua)				
Town Bush	South Africa		29° 33' 00" S 30° 21' 00" E	
Town Bush cave, 2 km N Pietermaritzburg	South Africa		29° 31' 00" S 30° 18' 00" E	975 m
(see also: Pietermaritzburg, 2 km N, Townbush Cave)				
Townbush Cave (see Town Bush cave), Pietermaritzburg	South Africa		29° 31' 00" S 30° 18' 00" E	975 m
Townbush Valley	South Africa	ca.	29° 31' 00" S 30° 18' 00" E	
Townlands	South Africa		25° 43' 00" S 28° 11' 00" E	
Townlands of Mathinus Wesselstroom	South Africa	ca.	27° 22' 14" S 30° 07' 58" E	1761 m
Toyébli	Côte d'Ivoire		6° 37' 11" N 8° 28' 50" W	211 m
Tozeur	Tunisia		33° 55' 14" N 8° 08' 00" E	43 m
(see also: Tawzar)				
Tozeur governorate	Tunisia			
Tozeur, 12 km N (see Stil Date Grove)	Tunisia			
Tozeur, Oasis	Tunisia		33° 55' 14" N 8° 08' 00" E	43 m
Tranoroa, on the Menarandra River	Madagascar		24° 42' 00" S 45° 04' 00" E	223 m
Trans Nzoia county	Kenya			
Trans-Nzoia district	Kenya		0° 50' 00" N 35° 00' 00" E	ca. 1828 m
Transvaal	South Africa			
Trappist mission, near Kikwit	Congo (Democratic Republic of the)		5° 02' 16" S 18° 51' 12" E	
Trarza region	Mauritania			
Traveller's Rest;, 18 mi NE Clanwilliam	South Africa		32° 04' 00" S 19° 05' 00" E	500 ft
(see also: Clanwilliam, 18 mi [=29 km] NE)				
Triangle (see Triangle Ranch), Seaton 81	Zimbabwe		21° 05' 00" S 31° 28' 00" E	
Triangle Ranch, Seaton 81	Zimbabwe		21° 05' 00" S 31° 28' 00" E	
(see also: MacDougall's Tunnel, Triangle)				
Trichardstal (see Trichardtsdal)	South Africa		24° 10' 00" S 30° 24' 00" E	638 m
Trichardtsdal	South Africa		24° 10' 00" S 30° 24' 00" E	638 m
(see also: Trichardstal)				
Trident Kloof, 14 km S, 10.5 km W Brits	South Africa		25° 46' 00" S 27° 40' 00" E	1350 m
(see also: Brits, 14 km S, 10.5 km W)				
Trina	Tanzania	ca.	1° 30' 00" S 33° 48' 00" E	
Trindade	Cape Verde		14° 57' 00" N 23° 34' 00" W	124 m
Tripoli (see Tarabulus)	Libya		32° 53' 33" N 13° 10' 48" E	6 m
Tripoli district	Libya			
Triumph mine, Lomagundi; near Lake McIlwaine	Zimbabwe			
(see also: Trumph Mine)				
Trois Bras cave, edge of Mountain vent	Mauritius		20° 01' 26" S 57° 38' 00" E	45 m
(see also: Caverne Trois Bras)				
Trompburg town (see Trompsburg)	South Africa		30° 02' 00" S 25° 47' 00" E	1431 m
Trompsburg	South Africa		30° 02' 00" S 25° 47' 00" E	1431 m
(see also: Trompburg town, Trompsburg town)				
Trompsburg town (see Trompsburg)	South Africa		30° 02' 00" S 25° 47' 00" E	1431 m
Tropical Africa	Tropical Africa			
Trou aux Serpents (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Trout Ponds (see Mulunguzi Dam)	Malawi		15° 22' 00" S 35° 19' 00" E	
Trumph Mine (see Triumph mine), Lake McIlwane, near	Zimbabwe			
Tsad (see Chad, lake)	Tsad	ca.	13° 20' 00" N 14° 10' 00" E	
Tsakpe (see Kpandu)	Ghana		7° 00' 00" N 0° 18' 00" E	151 m
Tsana, lake (see Lake Tana)	Ethiopia		12° 00' 00" N 37° 20' 00" E	
Tsanchaga, 8 mi E Bida	Nigeria		9° 06' 00" N 6° 09' 00" E	
(see also: Bida, 8 mi [=13 km] E)				
Tsane (see Tshane), Camp 8	Botswana		24° 01' 00" S 21° 50' 00" E	1122 m
Tsane, 25 mi [=40 km] ENE	Botswana		24° 00' 00" S 22° 13' 59" E	
Tsanogo, Maun, 3 km S	Botswana	ca.	19° 59' 00" S 23° 25' 00" E	
(see also: Maun, 3 km S)				
Tsaratanana	Madagascar		16° 46' 00" S 47° 40' 00" E	
Tsau	Botswana		20° 09' 00" S 22° 27' 00" E	958 m
Tsavo East National Park	Kenya			
Tsavo National Park	Kenya		3° 00' 00" S 38° 40' 00" E	762 m
Tsavo National Park West	Kenya		2° 55' 00" S 37° 55' 00" E	
(see also: Tsavo West National Park)				
Tsavo West National Park (see Tsavo National Park West)	Kenya		2° 55' 00" S 37° 55' 00" E	
Tschad (see Chad, lake)	Tschad	ca.	13° 20' 00" N 14° 10' 00" E	
Tschaka	Tschaka			
Tschakala (see Tshakala), 45 km E Kisangani	Congo (Democratic Republic of the)		0° 27' 27" N 25° 32' 05" E	453 m
Tschambutscha (see Tshambutschu), 10 km from Irangi	Congo (Democratic Republic of the)	ca.	1° 58' 00" S 28° 30' 00" E	

Tschiloango [=Tchilounga] (see Tchilounga)	Congo			
Tschinputu (see Cinputu)	Congo (Democratic Republic of the)		5° 22' 00" S 22° 21' 00" E	
Tschole-Schamba (see Mafia island)	Tanzania		7° 51' 14" S 39° 46' 49" E	
Tschuapa (see Tshuapa)	Congo (Democratic Republic of the)		0° 14' 00" S 20° 42' 00" E	
TSD Sugar Estate No.3 Section, 3 mi NE Komatipoort (see also: Komatipoort, 3 mi [=4.8 km] NE)	South Africa	ca.	25° 23' 43" S 31° 57' 04" E	
Tsebahu (see also: Tshebahu)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	
Tshakala, 45 km E Kisangani (see also: Kisangani, 45 km E, Tschakala)	Congo (Democratic Republic of the)		0° 27' 27" N 25° 32' 05" E	453 m
Tshalungwa Fountain, 16 km NNE Punda Maria (see also: Punda Milia, 16 km NNE, Shalungwafontein, Tshalungwafontein)	South Africa		22° 32' 56" S 31° 04' 22" E	
Tshalungwafontein (see Tshalungwa Fountain), 16 km NNE Punda Milia	South Africa		22° 32' 56" S 31° 04' 22" E	
Tshamalenge cave (see also: Grotte de Tshamalenge)	Congo (Democratic Republic of the)		11° 46' 00" S 26° 30' 00" E	
Tshambi	Congo (Democratic Republic of the)		0° 44' 00" S 29° 14' 00" E	1050 m
Tshambutschu, 10 km from Irangi (see also: Irangi, 10 km from, Tschambutscha)	Congo (Democratic Republic of the)	ca.	1° 58' 00" S 28° 30' 00" E	
Tshamiagongo volcano (see Nyirogongo volcano)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Tshane, Camp 8 (see also: Tsane)	Botswana		24° 01' 00" S 21° 50' 00" E	1122 m
Tshaneni (see also: Tahaneni, T'shaneni)	Swaziland		25° 59' 00" S 31° 43' 00" E	321 m
T'shaneni (see Tshaneni)	Swaziland		25° 59' 00" S 31° 43' 00" E	321 m
Tshaneni [mountain]	South Africa		27° 37' 00" S 32° 04' 00" E	
Tshaneni Iysis Ranch	Swaziland		25° 58' 00" S 31° 43' 00" E	302 m
Tshaninagongo (see Nyirogongo volcano)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Tshapona (see Tshiapona)	Congo (Democratic Republic of the)		7° 11' 00" S 24° 19' 00" E	826 m
Tshebahu (see Tsebahu)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	
Tshebahu river, near Mount Hoyo	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1200 m
Tshiabirimu, mount, Kalibina, Ngwangwa forest (see also: Mount Tshiaberimu, Mount Tshiabirimu)	Congo (Democratic Republic of the)	ca.	0° 05' 00" S 29° 26' 00" E	
Tshiapona (see also: Tshapona)	Congo (Democratic Republic of the)		7° 11' 00" S 24° 19' 00" E	826 m
Tshibaka (see Tshibaka-Kaji)	Congo (Democratic Republic of the)		7° 43' 00" S 23° 12' 00" E	882 m
Tshibaka-Kaji (see also: Tshibaka)	Congo (Democratic Republic of the)		7° 43' 00" S 23° 12' 00" E	882 m
Tshibambo (see Shibambo)	Congo (Democratic Republic of the)		10° 18' 00" S 28° 37' 00" E	928 m
Tshibasha, near Kananga	Congo (Democratic Republic of the)		5° 50' 00" S 22° 25' 00" E	
Tshibashi (river) (see also: Tshibashie (river))	Congo (Democratic Republic of the)		5° 45' 00" S 22° 08' 00" E	
Tshibashie (river) (see Tshibashi (river))	Congo (Democratic Republic of the)		5° 45' 00" S 22° 08' 00" E	
Tshibati	Congo (Democratic Republic of the)		2° 14' 00" S 28° 47' 00" E	
Tshibinda (see also: Mulungu-Tshibinda)	Congo (Democratic Republic of the)		2° 19' 12" S 28° 45' 50" E	1918 m
Tshibungu	Congo (Democratic Republic of the)		5° 37' 34" S 22° 15' 57" E	608 m
Tshikapa (see also: Chikapa)	Congo (Democratic Republic of the)		6° 25' 00" S 20° 48' 00" E	485 m
Tshikapa territory	Congo (Democratic Republic of the)		6° 25' 00" S 20° 48' 00" E	
Tshilinge (former) district (see Kasai Oriental province)	Congo (Democratic Republic of the)			
Tshimhaka, Cunene river	Namibia		17° 20' 00" S 13° 50' 00" E	670 m
Tshimputu	Congo (Democratic Republic of the)		5° 48' 00" S 22° 19' 00" E	
Tshipise (see also: Chipise)	South Africa		22° 36' 00" S 30° 10' 00" E	501 m
Tshipise, 1 mi [=1.6 km] NE (see also: Chipise, 1 mi [=1.6 km] NE)	South Africa	ca.	22° 36' 00" S 30° 10' 00" E	

Tshisangwe	Congo (Democratic Republic of the)		11° 28' 00" S 27° 39' 00" E	
Tshiumbe River (see Chiumbe River), tributary of Kasai river	Angola		12° 26' 00" S 20° 48' 00" E	
Tshokwana (see Tshokwane [farmstead])	South Africa		24° 47' 06" S 31° 51' 29" E	
Tshokwane	South Africa		24° 46' 35" S 31° 51' 21" E	
Tshokwane [farmstead] (see also: Tshokwana, Tshokwani)	South Africa		24° 47' 06" S 31° 51' 29" E	
Tshokwane Picnic Site	South Africa		24° 47' 11" S 31° 51' 31" E	
Tshokwane Picnic spot, 12 km E	South Africa		24° 47' 01" S 31° 58' 43" E	
Tshokwane, 10 km S, on Skukuza - Tshokwane road	South Africa		24° 52' 00" S 31° 47' 00" E	
Tshokwani	South Africa		24° 46' 35" S 31° 51' 21" E	
Tshokwani (see Tshokwane [farmstead])	South Africa		24° 47' 06" S 31° 51' 29" E	
Tshole-Shamba (see Mafia island)	Tanzania		7° 51' 14" S 39° 46' 49" E	
Tshopo	Congo (Democratic Republic of the)		0° 28' 00" N 25° 33' 00" E	
Tshopo falls (see also: Tshoppo falls)	Congo (Democratic Republic of the)		0° 33' 00" N 25° 11' 00" E	
Tshopo province	Congo (Democratic Republic of the)			
Tshoppo falls (see Tshopo falls)	Congo (Democratic Republic of the)		0° 33' 00" N 25° 11' 00" E	
Tshuapa (see also: Tschuapa)	Congo (Democratic Republic of the)		0° 14' 00" S 20° 42' 00" E	
Tshuapa district	Congo (Democratic Republic of the)		0° 13' 00" S 20° 52' 00" E	
Tshuapa province	Congo (Democratic Republic of the)			
Tshuapa river, upper (see also: Haut Tshuapa, Tshuapa, bovenloop)	Congo (Democratic Republic of the)		1° 00' 00" S 23° 20' 00" E	
Tshuapa, bovenloop (see Tshuapa river, upper)	Congo (Democratic Republic of the)		1° 00' 00" S 23° 02' 00" E	
Tshyohaha, lake (see Cyohaha, lake)	Rwanda		2° 15' 00" S 30° 00' 00" E	
Tsiandra (see Tsiandro)	Madagascar		18° 44' 00" S 44° 54' 00" E	477 m
Tsiandro (see also: Tsiandra)	Madagascar		18° 44' 00" S 44° 54' 00" E	477 m
Tsibu, 2 mi [=3.2 km] SSW	Ghana	ca.	6° 34' 00" N 0° 17' 00" E	248 m
Tsibu, 7 mi [=11.3 km] N	Ghana	ca.	6° 34' 00" N 0° 17' 00" E	
Tsifota, 7.5 km NE (see Forêt des Mikea (2))	Madagascar		22° 46' 42" S 43° 31' 24" E	80 m
Tsihombe (see Tsiombe)	Madagascar		25° 18' 00" S 45° 29' 00" E	63 m
Tsimafana	Madagascar		19° 43' 25" S 44° 35' 04" E	
Tsimanampetsotsa Nature Reserve (see also: Parc National de Tsimanampetsotsa)	Madagascar		24° 07' 00" S 43° 45' 00" E	
Tsimanampetsotsa, lake (see also: Farihy Tsimanampetsotsa, Lac Tsimanampetsotsa)	Madagascar		24° 07' 00" S 43° 45' 00" E	
Tsimbazaza, lake (see also: Lac Tsimbazaza)	Madagascar		18° 55' 00" S 47° 31' 00" E	
Tsimilafo	Madagascar		24° 58' 00" S 45° 10' 00" E	210 m
Tsimilofo	Madagascar		24° 58' 00" S 45° 10' 00" E	210 m
Tsingy de Bemaraha, Reserve Naturelle de (see Bemaraha National Park)	Madagascar		18° 45' 00" S 44° 50' 00" E	
Tsingy de Namoroka, Réserve Naturelle, Soalala, S (see also: Namoroka Nature Reserve, Réserve Naturelle de Namoroka, Réserve Naturelle de Tsigny de Namoroka)	Madagascar		16° 28' 00" S 45° 20' 00" E	
Tsinjoarivo, 10 km SE	Madagascar		19° 40' 42" S 47° 46' 12" E	1550 m
Tsinjomitondraka (see Anjohibe Cave), NCC-1 deposit	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Tsiombe (see also: Tisihombe, Tsihombe, Tsiombe-Androy)	Madagascar		25° 18' 00" S 45° 29' 00" E	63 m
Tsiombe-Androy (see Tsiombe)	Madagascar		25° 18' 00" S 45° 29' 00" E	63 m
Tsiribihina River	Madagascar		19° 53' 00" S 44° 26' 57" E	
Tsiroanomandidy	Madagascar			
Tsitsikama National Park	South Africa		33° 59' 17" S 23° 50' 45" E	
Tsitsikamma Guano cave	South Africa	ca.	33° 59' 17" S 23° 50' 45" E	
Tsodilo Hills	Botswana		18° 45' 00" S 21° 46' 00" E	
Tsohorogo	Botswana			
Tsolwana Game Ranch, 4.0 km N, 29.0 km W Whittlesea (see also: Whittlesea, 4.0 km N, 29.0 km W)	South Africa		32° 09' 00" S 26° 31' 00" E	1415 m
Tsotsana, 18 km W	Namibia		19° 04' 00" S 20° 37' 00" E	
Tsotsoroga Pan	Botswana		18° 43' 00" S 24° 21' 00" E	
Tsumkwe district (see also: Grootfontein district)	Namibia			
Tsungwesi Guano Cave, Mutare	Zimbabwe		19° 07' 00" S 32° 07' 00" E	
Tswaing Crater, Pretoria	South Africa		25° 24' 49" S 28° 04' 42" E	

Tswiriri Dam (see Ntswiriri Dam)	South Africa		24° 51' 43" S 31° 37' 38" E	
Tugela river, Cafferland	South Africa		29° 00' 00" S 30° 30' 00" E	
Tujan (see also: Toudjane, Toujane)	Tunisia		33° 28' 00" N 10° 08' 00" E	599 m
Tukrah (see also: Al ‘Aquriyah, Taukra, Teuchira, Tocra, Tokrah, Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Tukrah (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Tulé (see also: Tule)	Côte d'Ivoire		7° 56' 05" N 6° 07' 51" W	393 m
Tule (see Tulé)	Côte d'Ivoire		7° 56' 00" N 6° 08' 00" W	
Tuléar (see Toliara)	Madagascar		23° 21' 00" S 43° 40' 00" E	20 m
Tuléar airport	Madagascar		23° 23' 00" S 43° 43' 00" E	
TuleaPC:TL|)	Madagascar			
Tulear region	Madagascar	ca.	23° 21' 00" S 43° 40' 00" E	
Tulear, 17 mi [=27 km] S (see Rogez, near)	Madagascar		23° 33' 00" S 43° 46' 00" E	125 m
Tuléar, 20 km S (see Marine cave, between Sarodrano and Saint-Augustin)	Madagascar			
Tuléar, 220 km NE (see Ilakaka, E of)	Madagascar		22° 41' 00" S 45° 13' 00" E	769 m
Tulear, 220 km NE (see Maninday)	Madagascar		22° 47' 00" S 44° 48' 00" E	604 m
Tulear, 80 km E	Madagascar			
Tuli Block, Gesond Ltd	Botswana	ca.	22° 12' 00" S 28° 54' 00" E	
Tuli Camp	Zimbabwe		21° 54' 00" S 29° 13' 00" E	
Tullear (see Toliara)	Madagascar		23° 21' 00" S 43° 40' 00" E	20 m
Tumasberg	Namibia		23° 07' 30" S 15° 37' 30" E	
Tumba, lac (see Tumba, lake)	Congo (Democratic Republic of the)	ca.	0° 48' 00" S 18° 03' 00" E	
Tumba, lake (see also: Lac Tumba, Lake Tumba, Tumba, lac, Tumbe meer)	Congo (Democratic Republic of the)	ca.	0° 48' 00" S 18° 03' 00" E	
Tumbatu Island, Zanzibar (see also: Tumpatu Island)	Tanzania		5° 49' 00" S 39° 13' 00" E	
Tumbe meer (see Tumba, lake)	Congo (Democratic Republic of the)	ca.	0° 48' 00" S 18° 03' 00" E	
Tumbwe	Congo (Democratic Republic of the)	ca.	1° 00' 00" S 29° 15' 00" E	
Tumpatu Island (see Tumbatu Island), Zanzibar	Tanzania		5° 49' 00" S 39° 13' 00" E	
Tumu area	Ghana	ca.	10° 53' 00" N 1° 59' 00" W	ca. 300 m
Tunda Vala gorge, 30 km N Lubango (see also: Lubango, 30 km N, Natundabala river)	Angola	ca.	14° 49' 00" S 13° 23' 00" E	
Tundau (see Tundaua)	Tanzania		5° 15' 00" S 39° 42' 00" E	0 m
Tundaua (see also: Tundau)	Tanzania		5° 15' 00" S 39° 42' 00" E	0 m
Tunes (see Tunis), Tunis wa al Ahwaz	Tunisia		36° 48' 10" N 10° 10' 47" E	0 m
Tunez (see Tunis), Tunis wa al Ahwaz	Tunisia		36° 48' 10" N 10° 10' 47" E	0 m
Tungan-Rafin-Dinya (see also: Rafin Dinya)	Nigeria		9° 45' 32" N 7° 27' 05" E	544 m
Tungu, mount (see also: Mount Tungu)	South Sudan		4° 20' 37" N 29° 58' 38" E	
Tungudu	Congo (Democratic Republic of the)		0° 45' 00" N 29° 40' 00" E	840 m
Tunis, Tunis wa al Ahwaz (see also: Tunes, Tunez, Tunisi, Tunis-Ville)	Tunisia		36° 48' 10" N 10° 10' 47" E	0 m
Tunis governorate	Tunisia			
Tunis, 23.5 km SE (see Entouna mine)	Tunisia		36° 39' 11" N 10° 21' 57" E	
Tunis, 28 km SE (see Djebel Besass)	Tunisia		36° 37' 28" N 10° 24' 06" E	
Tunis, ca 60 km E (see El Ouidiane abandoned coal mine)	Tunisia		36° 48' 10" N 10° 51' 07" E	
Tunisi (see Tunis), Tunis wa al Ahwaz	Tunisia		36° 48' 10" N 10° 10' 47" E	0 m
Tunisia	Tunisia			
Tunis-Ville (see Tunis), Tunis wa al Ahwaz	Tunisia		36° 48' 10" N 10° 10' 47" E	0 m
Tura (see also: Turah)	Kenya		0° 32' 00" N 37° 02' 00" E	1793 m
Turah (see Tura)	Kenya		0° 32' 00" N 37° 02' 00" E	1793 m
Turiani	Tanzania		6° 09' 00" S 37° 36' 00" E	458 m
Turkana county (see Turkana district)	Kenya	ca.	3° 12' 00" N 35° 28' 00" E	
Turkana county	Kenya			
Turkana district (see also: Turkana county)	Kenya	ca.	3° 12' 00" N 35° 28' 00" E	
Turkana lake, 10 km NE (see also: Rudolf, lake, 10 km NE)	Ethiopia	ca.	4° 57' 00" N 36° 08' 00" E	
Turkana, lake (see also: Aman, Anam, Bas, Baso, Basso, Basso Narok, Basso Norok, Fuchich, Galanaboi, Galanaboy, Gallop, Gullop, Lake Rudolf, Lake Turkana, Rodolfo, lago, Rudolf Hayk’, Rudolf, lake, yeRudolf Bahir)	Kenya		3° 30' 00" N 36° 00' 00" E	

Turkana, lake	Kenya		3° 30' 00" N 36° 00' 00" E	
Turkana, W side lake (see also: Lake Rudolph, W side, Lake Turkana, W side, Rudolph, W side lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Turkwell	Kenya			
Turkwell district	Kenya			
Turkwell Gorge	Kenya		1° 55' 00" N 35° 20' 00" E	930 m
Turkwell river	Kenya		1° 55' 00" N 35° 20' 00" E	762 m
Turkwell River (see Suam River)	Uganda	ca.	1° 13' 00" N 34° 43' 00" E	
Turkwell river, 6 mi [=10 km] S (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river	Kenya		1° 49' 00" N 35° 18' 00" E	
Turua (see Touroua)	Cameroon		9° 05' 00" N 12° 58' 00" E	202 m
Tutu	Ghana		5° 53' 00" N 0° 09' 00" W	305 m
Tuy province	Burkina Faso			
Twee Koppies (see Tweekoppies)	Namibia		22° 58' 00" S 17° 24' 00" E	1696 m
Twee Rivieren, Gordonia / Nassob	South Africa		26° 27' 00" S 20° 37' 00" E	
Twee Rivieren, 13 km NE (see Leeuwdril)	South Africa		26° 07' 00" S 20° 51' 00" E	
Twee Rivieren, 20 mi [=32 km] NW (see Kamferboom)	South Africa		26° 07' 00" S 20° 37' 00" E	
Tweekoppies (see also: Twee Koppies)	Namibia		22° 58' 00" S 17° 24' 00" E	1696 m
Tweepoort, Farm 404 (see Farm Tweepoort 404), 2 km NE Amsterdam	South Africa		26° 36' 00" S 30° 43' 00" E	
Tweespruit, Stratheam	South Africa		29° 07' 30" S 27° 07' 30" E	
Twilight cave, 3.0 km W Roches Noires (see also: Roches Noires, 3.0 km W)	Mauritius		20° 07' 03" S 57° 42' 10" E	30 m
Twin Streams Farm (see Farm Twin Streams), Mtunzini	South Africa		28° 58' 00" S 31° 42' 00" E	
Tyenko (see also: Kienko, Tienko)	Côte d'Ivoire		8° 14' 00" N 7° 34' 00" W	451 m
Tygerkloof, Farm 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi	South Africa		24° 41' 40" S 27° 12' 33" E	
Tygerskloof, Farm 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi	South Africa		24° 41' 40" S 27° 12' 33" E	
Tyhumbwe River (see Chiumbe River), tributary of Kasai river	Angola		12° 26' 00" S 20° 48' 00" E	
Tyihumbwe River (see Chiumbe River), tributary of Kasai river	Angola		12° 26' 00" S 20° 48' 00" E	
Tzaneen (see also: Birthday Goldmine)	South Africa		23° 50' 00" S 30° 10' 00" E	742 m
Tzaneen Estate (see Tzaneen Governamental Estate), Letaba-Tzaneen	South Africa		23° 48' 00" S 30° 10' 00" E	
Tzaneen Governamental Estate (see also: Tzaneen Estate, Tzaneen Government Estate)	South Africa		23° 48' 00" S 30° 10' 00" E	
Tzaneen Government Estate (see Tzaneen Governamental Estate)	South Africa		23° 48' 00" S 30° 10' 00" E	
Tzaneen, 15 km W (see De Hoek Staatsbos)	South Africa		23° 49' 37" S 30° 02' 53" E	4500 ft
Tzaneen, 6 mi [=9.7 km] NE	South Africa	ca.	23° 50' 00" S 30° 10' 00" E	
Uad Lau (see Oued Laou)	Morocco		35° 26' 54" N 5° 05' 47" W	
Uádi el Cuf (see Wadi al Kuf)	Libya		32° 42' 00" N 21° 35' 00" E	330 m
Uàdi el Manscia (see Wadi al Manshiyah)	Libya		32° 54' 00" N 22° 03' 00" E	
Uaiore (see Hoja Wajeer)	Somalia		1° 14' 00" N 41° 32' 00" E	4 m
Ualeita (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		6° 50' 00" N 37° 40' 00" E	6 700 ft
Ualiso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Uardere (see Warder)	Ethiopia		6° 58' 00" N 45° 20' 00" E	540 m
Uarzazatas (see Warzat)	Morocco		30° 55' 31" N 6° 54' 48" W	1276 m
Uasin Gishu county	Kenya			
Uasin Gishu district	Kenya		0° 30' 00" N 35° 20' 00" E	6000 ft
Ubêd (see Al Ubayyi?)	Sudan		13° 11' 00" N 30° 13' 00" E	609 m
Ubumanzi Game Farm, 37 km NW Potgietersrus (see also: Potgietersrus, 37 km NW)	South Africa		24° 12' 00" S 28° 35' 00" E	
Ubuvumo lava hole	Rwanda			
Uche (see also: Huxe)	Angola		12° 43' 15" S 13° 18' 33" E	93 m
Udhnah (see Oudna Station)	Tunisia		36° 37' 34" N 10° 09' 07" E	
Udidji (see Ujiji)	Tanzania		4° 54' 20" S 29° 40' 34" E	781 m
Udongerio (see Ngiro), 10 km E Morr	Kenya		1° 44' 00" N 36° 09' 00" E	
Uduku (see also: Uduku Moke)	Congo (Democratic Republic of the)		4° 32' 00" N 29° 33' 00" E	950 m
Uduku Moke (see Uduku)	Congo (Democratic Republic of the)		4° 32' 00" N 29° 33' 00" E	950 m
Udzungwa mountains	Tanzania			
Udzungwa National Park (see Udzungwa Scarp forest reserve), 3 km N Chita	Tanzania		8° 31' 00" S 35° 56' 00" E	

Udzungwa Scarp forest reserve, 3 km N Chita (see also: Chita, 3 km N, Udzungwa National Park)	Tanzania		8° 31' 00" S 35° 56' 00" E	
Uele [river] (see also: Welle [river])	Congo (Democratic Republic of the)	ca.	3° 41' 00" N 26° 03' 00" E	
Ufira district	Tanzania			
Ufudu village, 5 mi [=8 km] below Fort Johns(ton) (see also: Fort Johns(ton), 5 mi [=8 km] below, Mangochi, 5 mi [=8 km] below)	Malawi	ca.	14° 28' 00" S 35° 16' 00" E	
Ugala River	Tanzania		5° 08' 00" S 30° 42' 00" E	
Uganda	Uganda			
Ugano	Tanzania		11° 06' 00" S 34° 55' 00" E	
Ugano plantation, SE Mbinga, Mantengo Highlands	Tanzania		11° 06' 00" S 34° 55' 00" E	1560 m
Ugoi (see Ujiji)	Tanzania		4° 54' 20" S 29° 40' 34" E	781 m
Ugongo (see also: Old Kalonge)	Congo (Democratic Republic of the)		0° 20' 00" N 29° 49' 00" E	2285 m
Ugu district	South Africa			
Uhafiwa Luhega Forest, Uhafiwa, near	Tanzania		8° 30' 00" S 35° 51' 00" E	1400 m
Uige province	Angola			
Uis Tin Mine (see also: United States' Tine Mine)	Namibia		21° 14' 00" S 14° 52' 00" E	
Uitenhage district	South Africa		33° 45' 00" S 25° 25' 00" E	
Uitenhage, 10 km WNW (see Groendal Staatsbos)	South Africa		33° 42' 00" S 25° 14' 00" E	
Uitkomst, Farm 499 (see Farm Uitkomst 499), Krugersdorp	South Africa		25° 54' 00" S 27° 46' 00" E	
Uitkyk and Paranie Private Nature Reserve, 19 km SE Nelspruit (see also: Nelspruit, 19 km SE)	South Africa		25° 36' 00" S 31° 06' 00" E	
Uitkyk, Farm (see Farm Uitkyk), Krugersdorp	South Africa		26° 05' 00" S 27° 46' 00" E	
Uitkyk, Farm 264JT (see Farm Uitkyk 264JT)	South Africa		25° 18' 00" S 30° 30' 00" E	
Uitvlugt, Farm 227 (see Farm Uitvlugt 227), Vrede	South Africa		27° 27' 00" S 29° 23' 00" E	
Uitzicht, Farm 630 (see Farm Uitzicht 630), Harrismith	South Africa		28° 04' 00" S 28° 27' 00" E	
Ujiji (see also: Udidji, Ugoi, Ujyi)	Tanzania		4° 54' 20" S 29° 40' 34" E	781 m
Ujyi (see Ujiji)	Tanzania		4° 54' 20" S 29° 40' 34" E	781 m
Ukaika	Congo (Democratic Republic of the)		0° 45' 00" N 28° 45' 00" E	900 m
Ukalini Forest	Mozambique	ca.	15° 23' 38" S 36° 59' 04" E	
Ukamba (see Kitui)	Kenya		1° 22' 00" S 38° 01' 00" E	1151 m
Ukambesi	Tanzania			
Ukami Forest (see Ukami Forest Reserve)	Tanzania		7° 53' 20" S 36° 23' 12" E	338 m
Ukami Forest Reserve (see also: Ukami Forest)	Tanzania		7° 53' 20" S 36° 23' 12" E	338 m
Ukami Mountains	Tanzania			
Ukara island, Lake Victoria	Tanzania		1° 50' 00" S 33° 03' 00" E	
Ukerewe (see Victoria, lake)	Uganda	ca.	1° 00' 00" S 33° 00' 00" E	
Ukerewe (see Victoria, lake)	Tanzania		1° 00' 00" S 33° 00' 00" E	
Ukerewe island, Lake Victoria	Tanzania		2° 03' 00" S 33° 00' 00" E	
Ukhahlamba district	South Africa			
Ukhahlamba Drakensberg Park	South Africa			
Ukomba (see Hacienda Ukomba), near Bata	Equatorial Guinea	ca.	1° 50' 00" N 9° 45' 00" E	
Ukondjo	Karevia			
Ukualuisi	Namibia		17° 32' 00" S 14° 37' 00" E	3390 ft
Ukualukasi, 32 mi NW Rehoboth Mission Station (see also: Rehoboth Mission Station, 32 mi [=51.5 km] NW)	Namibia		17° 32' 00" S 14° 37' 00" E	3400 ft
Ukuguru	Lake Nygassa			
Ukunda	Kenya		4° 17' 00" S 39° 34' 00" E	8 m
Ukunda, 1 km S, 0.5 km E	Kenya		4° 17' 00" S 39° 34' 00" E	
Ukunda, 1 km S, 2 km E (see Moana Marine Station)	Kenya		4° 18' 00" S 39° 35' 00" E	
Ukunda, 2.5 km E	Kenya		4° 17' 00" S 39° 35' 05" E	
Ukunda, 3 km E	Kenya		4° 17' 00" S 39° 35' 00" E	
Ukunda, 3.5 km S, 1 km E	Kenya		4° 19' 00" S 39° 34' 00" E	
Ukunda, cave	Kenya		4° 17' 34" S 39° 33' 51" E	
Ukwala	Kenya		0° 11' 36" N 34° 11' 22" E	1219 m
Ulanga	Tanzania		7° 18' 00" S 36° 56' 00" E	663 m
Ulanga district (see also: Mahenge district)	Tanzania		9° 00' 00" S 36° 40' 00" E	
Ulu	Kenya		1° 49' 00" S 37° 09' 00" E	1588 m
Ulucania hills (see Ulukenia hills), Athi plains	Kenya	ca.	1° 29' 00" S 37° 03' 00" E	
Uluguru mountains	Tanzania		7° 10' 00" S 37° 40' 00" E	
Uluguru North Forest Reserve, 3 km W, 1.3 km N Tegetero (see also: Tegetero, 3 km W, 1.3 km N)	Tanzania		6° 55' 00" S 37° 42' 00" E	1345 m
Ulukenia hills, Athi plains (see also: Lukenia hills, Lukenya hills, Ulucania hills)	Kenya	ca.	1° 29' 00" S 37° 03' 00" E	

Um 'Adara, Khor (see also: Khawr Umm 'Adara, Khor Um 'Adara, Khor Umm Adara, Umm 'Adara, Khawr , Umm Adara, Khor)	Sudan		11° 06' 42" N 31° 10' 34" E	
Um Hashiba (see Jebel Um Hashiba)	Egypt		30° 16' 44" N 33° 04' 57" E	
Uma	Congo (Democratic Republic of the)		0° 32' 21" N 25° 54' 05" E	508 m
Uma river	South Sudan		3° 57' 25" N 31° 42' 30" E	
Umangi [mission]	Congo (Democratic Republic of the)		2° 07' 00" S 21° 24' 00" E	
Umasch (see Oumache)	Algeria		34° 42' 00" N 5° 41' 00" E	103 m
Umash (see Oumache)	Algeria		34° 42' 00" N 5° 41' 00" E	103 m
Umbarbit (see Debbat Marbeit)	South Sudan		10° 53' 23" N 32° 32' 46" E	
Umbilo	South Africa		29° 53' 21" S 30° 59' 04" E	
Umbogontwini Nature Reserve	South Africa		30° 03' 00" S 30° 53' 00" E	
Umbu (see Kawn Umbu)	Egypt		24° 28' 45" N 32° 56' 37" E	109 m
Umbulu (see Mbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Umbumbulu	South Africa		29° 59' 00" S 30° 42' 00" E	593 m
Umdloti	South Africa		29° 40' 21" S 31° 06' 56" E	33 m
Umdoni Caravan Park (see Umdoni Park), 14 km SSW Scottburgh, Pennington (see also: Umzinto, 9 km S, 2 km E)	South Africa		30° 24' 00" S 30° 41' 00" E	50 m
Umdoni Park, 14 km SSW Scottburgh, Pennington (see also: Scottburgh, 14 km SSW, Umdoni Caravan Park)	South Africa		30° 24' 00" S 30° 41' 00" E	50 m
Umdoni, near	South Africa		30° 22' 37" S 30° 40' 21" E	
Umé (see Oumé)	Côte d'Ivoire		6° 23' 00" N 5° 25' 00" W	153 m
Umfolosi Game Reserve (see Umfolozi Game Reserve)	South Africa		28° 20' 00" S 31° 50' 00" E	
Umfolozi Game Reserve (see also: Mfolozi Game Reserve, Umfolosi Game Reserve , Umfolozi Nature Reserve, Umfolozi-Wildreservaat , Umfolozi-wildreserwe)	South Africa		28° 20' 00" S 31° 50' 00" E	
Umfolozi Nature Reserve (see Umfolozi Game Reserve)	South Africa		28° 20' 00" S 31° 50' 00" E	
Umfolozi River	South Africa		28° 21' 00" S 31° 59' 00" E	
Umfolozi-Wildreservaat (see Umfolozi Game Reserve)	South Africa		28° 20' 00" S 31° 50' 00" E	
Umfolozi-wildreserwe (see Umfolozi Game Reserve)	South Africa		28° 20' 00" S 31° 50' 00" E	
Umfuli River	Zimbabwe	ca.	18° 22' 26" S 31° 09' 14" E	
Umgababa	South Africa		30° 08' 44" S 30° 50' 00" E	
Umgeni (Fish) Hatchery, 48 km NW Durban (see also: Durban, 48 km NW, Nagle Dam Fish Hatchery)	South Africa		29° 35' 25" S 30° 37' 18" E	400 m
Umgeni Heights	South Africa		29° 48' 29" S 31° 01' 30" E	29 m
Umgungundlovu district	South Africa			
Umhalanga (see Umhlanga Reserve)	South Africa		29° 43' 00" S 31° 05' 00" E	11 m
Umhlanga Reserve, Umhlanga Rocks (see also: Umhalanga, Umhlanga Rocks)	South Africa		29° 43' 00" S 31° 05' 00" E	11 m
Umhlanga Rocks (see Umhlanga Reserve), 2 Tibia Crescent	South Africa		29° 43' 00" S 31° 05' 00" E	11 m
Umhlanga, 2.5 km NE (see Westbrook)	South Africa		29° 36' 00" S 31° 10' 00" E	
Umhlatusi River	South Africa		29° 51' 00" S 31° 00' 00" E	
Umhlumi, Barberton District	South Africa		25° 49' 00" S 31° 07' 00" E	
Umhlumna (see Barberton)	South Africa		25° 47' 00" S 31° 03' 00" E	786 m
Umkhanyakude district	South Africa			
uMkhuze Game Reserve (see also: Mkhuze Game Reserve, Mkusi Game Reserve, Mkuze Game Reserve, Mkuzi Game Reserve, Umkusi Game Reserve)	South Africa		27° 39' 00" S 32° 14' 30" E	62 m
Umkomaas	South Africa		30° 12' 00" S 30° 48' 00" E	36 m
Umkomaas, 1.5 km NWW (see Empisini Nature Reserve)	South Africa		30° 12' 00" S 30° 48' 00" E	
Umkusi Game Reserve (see uMkhuze Game Reserve)	South Africa		27° 39' 00" S 32° 14' 30" E	62 m
Umlalazi Nature Reserve, Mtunzini	South Africa		28° 57' 49" S 31° 46' 08" E	10 m
Umm 'Adara, Khawr (see Um 'Adara, Khor)	Sudan		11° 06' 42" N 31° 10' 34" E	
Umm Adara, Khor (see Um 'Adara, Khor)	Sudan		11° 06' 42" N 31° 10' 34" E	
Umm Durman (see also: Omdurman)	Sudan		15° 38' 10" N 32° 16' 14" E	390 m
Umngazana River Mouth, 0.3 km S, 0.2 km W (see Deutschmann's Camp)	South Africa		31° 41' 40" S 29° 25' 10" E	20 m
Umpila Cave	South Africa		27° 34' 59" S 32° 13' 01" E	
Umtali (see Mutare)	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
Umtali Old mine (see Mutare), Umtali	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
Umtali, 10 mi [=16 km] from (see Mutare, 10 mi [=16 km] from), on Vumba road	Zimbabwe		19° 06' 46" S 32° 45' 45" E	
Umtali, 3 mi [=4.8 km] from (see Mutare, 3 mi [=4.8 km] from), on Uumbra road	Zimbabwe	ca.	19° 06' 46" S 32° 45' 45" E	
Umtamvuna Gorge Nature Reserve	South Africa		30° 10' 27" S 30° 10' 13" E	119 m
Umtata City	South Africa		31° 35' 18" S 28° 47' 10" E	685 m

Umtata, 0.5 km S, 2.5 km W (see Fort Gale Suburb)	South Africa		31° 35' 34" S 28° 45' 34" E	770 m
Umtata, 1.8 km S, 3.0 km W (see University of Transkei Campus)	South Africa		31° 36' 16" S 28° 45' 15" E	800 m
Umtentweni (see also: Umtentweni Railroad Station, Umtentwini)	South Africa		30° 42' 58" S 30° 27' 53" E	39 m
Umtentweni Railroad Station (see Umtentweni)	South Africa		30° 42' 58" S 30° 27' 53" E	39 m
Umtentwini (see Umtentweni)	South Africa		30° 42' 58" S 30° 27' 53" E	39 m
Umteriumi	South Africa			
Umuahia, Umdike (see also: Umuahia Ibeku)	Nigeria		5° 32' 00" N 7° 29' 00" E	151 m
Umuahia Ibeku (see Umuahia), Umdike	Nigeria		5° 32' 00" N 7° 29' 00" E	151 m
Umvukwes (see Mvurwi), Nyamunyeche	Zimbabwe		17° 02' 00" S 30° 51' 00" E	1451 m
Umzigaba River mouth, Pondoland	South Africa		31° 37' 30" S 29° 37' 30" E	
Umzimbuvu (see Port Saint John's)	South Africa		31° 38' 00" S 29° 32' 00" E	121 m
Umzinto, 5 km N, 22 km W (see Dumisa gold mine)	South Africa		30° 16' 05" S 30° 26' 29" E	685 m
Umzinto, 9 km S, 2 km E (see Umdoni Caravan Park)	South Africa		30° 24' 00" S 30° 41' 00" E	50 m
Umzinyathi district	South Africa			
Umzumbe M.S. (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	South Africa	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbe Mission (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	South Africa	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbe Mission Station (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	South Africa	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbi M.S. (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	South Africa	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbi Mission, 16 mi [=26 km] NE Port Shepstone (see also: Port Shepstone, 16 mi [=26 km] NE, Umzumbe M.S., Umzumbe Mission, Umzumbe Mission Station, Umzumbi M.S., Umzumbi Mission Station)	South Africa	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbi Mission Station (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	South Africa	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumgwenya Nature Reserve (see Mandini)	South Africa		29° 08' 00" S 31° 24' 00" E	
Undefined locality (Eastern region)	Ghana		6° 45' 00" N 1° 30' 00" W	
Undefined locality (Nandi county)	Kenya	ca.	0° 10' 00" N 35° 00' 00" E	
Undefined locality (Western region)	Ghana	ca.	6° 00' 00" N 3° 00' 00" W	
Underberg, Trout hatchery	South Africa		29° 47' 00" S 29° 30' 00" E	1579 m
Underberg, 33 km W (see Garden Castle State Forest)	South Africa		29° 47' 00" S 29° 11' 00" E	
Unguja island (see Zanzibar)	Tanzania		6° 10' 00" S 39° 20' 00" E	
Uniondale, 2.8 km N, 3.8 km E (see Farm Vleiplaas)	South Africa		33° 37' 49" S 23° 10' 04" E	760 m
UNISWA, Kwaluseni Campus	Swaziland		26° 28' 46" S 31° 18' 25" E	677 m
United States' Tine Mine (see Uis Tin Mine)	Namibia		21° 14' 00" S 14° 52' 00" E	
Unity state (see also: Al Wahdah state |PC:WH|, Western Upper Nile state |PC:WH|)	South Sudan			
Université de Kisangani, Faculté des Sciences (see Kisangani)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
University Campus, Chemistry Dept.	South Africa		29° 52' 03" S 30° 58' 40" E	108 m
University of Dar es Salaam (see Dar es Salaam)	Tanzania		6° 48' 00" S 39° 17' 00" E	
University of Durban	South Africa		29° 49' 02" S 30° 56' 43" E	189 m
University of Ghana (see Legon)	Ghana		5° 39' 00" N 0° 11' 00" W	75 m
University of KwaZulu Natal, Cato Manor	South Africa		29° 51' 47" S 30° 58' 09" E	143 m
University of Lagos (see Ibadan University College)	Nigeria		7° 23' 16" N 3° 53' 47" E	237 m
University of Natal	South Africa		29° 52' 03" S 30° 58' 40" E	
University of Pretoria, Zoology Building	South Africa		25° 45' 13" S 28° 13' 50" E	1370 m
University of Transkei Campus, 1.8 km S, 3.0 km W Umtata (see also: Umtata, 1.8 km S, 3.0 km W)	South Africa		31° 36' 16" S 28° 45' 15" E	800 m
Unknown locality				
unnamed cave (see Ambatofinandrahana, 3 km S), 3 km S Ambatofinandrahana	Madagascar		20° 34' 20" S 46° 48' 32" E	1450 m
Unnamed locality (Ugu district)	South Africa		30° 12' 00" S 30° 19' 00" E	
Unyaganyi (see Unyang'anyi)	Tanzania		4° 50' 00" S 35° 00' 00" E	1372 m
Unyang'anyi (see also: Unyaganyi, Unyanganyi)	Tanzania		4° 50' 00" S 35° 00' 00" E	1372 m
Unyanganyi (see Unyang'anyi)	Tanzania		4° 50' 00" S 35° 00' 00" E	1372 m
Uokula (see Mokula)	Equatorial Guinea		1° 02' 47" N 11° 09' 47" E	
Uolamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		6° 50' 00" N 37° 40' 00" E	6 700 ft
Uoliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Uolisò (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Uollamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		6° 50' 00" N 37° 40' 00" E	6 700 ft
Uollo province (see Welo Kifle Hager province)	Ethiopia	ca.	11° 30' 00" N 40° 00' 00" E	

Upemba National Park	Congo (Democratic Republic of the)		9° 00' 00" S 26° 45' 00" E	
Upper (province)	Ghana			
Upper Benoue Valley (see also: Benoue, upper valley)	Cameroon			
Upper Buchanan (see also: Buchanan, Gran Bassa, Grand Bassa)	Liberia		5° 54' 40" N 10° 03' 45" W	65 m
Upper Congo	Congo (Democratic Republic of the)			
Upper East region	Ghana			
Upper Egypt	Egypt			
Upper Katanga province (see Haut Katanga province)	Congo (Democratic Republic of the)			
Upper Kenya (mission)	Kenya			
Upper Lomani province (see Haut Lomami province)	Congo (Democratic Republic of the)			
Upper Niger National Park (see Park National du Haut Niger)	Guinea	ca.	10° 17' 06" N 10° 07' 20" W	
Upper Nile state (see also: A'ali an Nil state |PC:UN|)	South Sudan			
Upper Ogun Estate Plantation	Nigeria		8° 10' 00" N 3° 41' 00" E	
Upper Ogun Ranch (see Upper Ogun Ranch) (see also: Upper Ogun Ranch)	Nigeria		8° 10' 00" N 3° 41' 00" E	
Upper River region	The Gambia			
Upper Sheikh (see Shiikh)	Somalia		9° 56' 00" N 45° 11' 00" E	1439 m
Upper Shire River	Malawi		16° 00' 47" S 35° 04' 37" E	
Upper Uele province (see Haut Uele province)	Congo (Democratic Republic of the)			
Upper West or Upper East region	Ghana			
Upper West region	Ghana			
Upper White Nile	Sudan			
Ura, lagoa, 32 km S Tica (see also: Lagoa de Ura, Lake Ura, Tica, 32 km S)	Mozambique		19° 42' 36" S 34° 19' 52" E	
Urambo	Tanzania		5° 04' 00" S 32° 03' 00" E	1108 m
Urban governorates	Egypt			
Ureca (see San Antonio de Ureca)	Equatorial Guinea		3° 15' 08" N 8° 35' 06" E	
Ureka (see San Antonio de Ureca)	Equatorial Guinea		3° 15' 08" N 8° 35' 06" E	
Ureka, near	Equatorial Guinea	ca.	3° 15' 08" N 8° 35' 06" E	
Urekd (see San Antonio de Ureca)	Equatorial Guinea		3° 15' 08" N 8° 35' 06" E	
Urenji (see Pagala)	Togo		8° 13' 00" N 0° 53' 00" E	368 m
Urgada (see Al Ghardaqah)	Egypt		27° 08' 00" N 33° 50' 00" E	
Urk, Farm 10 (see Farm Urk 10), 13 km W Vivo	South Africa		23° 02' 00" S 29° 08' 00" E	854 m
Urundi, 30 mi S Usamburu (see also: Usamburu, 30 mi S)	Urundi			
Usa (see also: Usa River)	Tanzania		3° 22' 00" S 36° 51' 00" E	1166 m
Usa River (see Usa)	Tanzania		3° 22' 00" S 36° 51' 00" E	1166 m
Usagara (see also: Ussagara)	Tanzania		5° 05' 00" S 39° 07' 00" E	0 m
Usambara mountains	Tanzania		4° 45' 00" S 38° 30' 00" E	
Usambiers	Congo (Democratic Republic of the)			
Usamburu, 30 mi S (see Urundi)	Usamburu, 30 mi S			
Usandawe (see also: Sandawe)	Tanzania		5° 15' 00" S 35° 20' 00" E	1200 m
Usangi, North Pare Mountains	Tanzania		3° 42' 00" S 37° 40' 00" E	1355 m
Ushindo (see Ushingo)	Kenya		2° 46' 00" S 39° 40' 00" E	113 m
Ushingo (see also: Ushindo)	Kenya		2° 46' 00" S 39° 40' 00" E	113 m
Ussagara (see Usagara)	Tanzania		5° 05' 00" S 39° 07' 00" E	0 m
Ussuwi (see Biharamulo)	Tanzania		2° 37' 55" S 31° 18' 32" E	1495 m
Usumbura (see Bujumbura)	Burundi		3° 23' 00" S 29° 22' 00" E	794 m
Usutu Floodsplain	South Africa		26° 53' 00" S 32° 20' 00" E	100 m
Usuwi (see Biharamulo)	Tanzania		2° 37' 55" S 31° 18' 32" E	1495 m
Utende, Mafia Marine Park H.Q.	Tanzania		7° 58' 28" S 39° 43' 56" E	
Utengule (see also: Utenguli)	Tanzania		8° 57' 00" S 35° 50' 00" E	308 m
Utenguli (see Utengule)	Tanzania		8° 57' 00" S 35° 50' 00" E	308 m
Utete	Tanzania		7° 59' 00" S 38° 47' 00" E	31 m
Uthukela district	South Africa			
uThungulu district	South Africa			
Utica ruins (see also: Ruines d'Utique, Utique ruins, Zehana)	Tunisia		37° 03' 26" N 10° 03' 46" E	
Utique ruins (see Utica ruins)	Tunisia		37° 03' 26" N 10° 03' 46" E	
Uto farm, Arusha-Longido road	Tanzania		3° 12' 00" S 36° 42' 00" E	

Utonde River (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Utondo River (see Río Utonde)	Equatorial Guinea		1° 56' 36" N 9° 48' 41" E	
Utu [river] (see also: Rutu [river])	Congo (Democratic Republic of the)		1° 24' 00" S 27° 49' 00" E	
Utukuru	Congo (Democratic Republic of the)		4° 18' 00" N 29° 56' 00" E	
Utwani Forest Reserve (see Witu Forest)	Kenya		2° 21' 34" S 40° 31' 27" E	100 ft
Uula (see Juba)	South Sudan		4° 51' 00" N 31° 37' 00" E	550 m
Uutapi district	Namibia			
Uvinza (see Uvira)	Congo (Democratic Republic of the)		3° 24' 24" S 29° 08' 45" E	746 m
Uvira (see also: Uvinza)	Congo (Democratic Republic of the)		3° 24' 24" S 29° 08' 45" E	746 m
Uvira territory	Congo (Democratic Republic of the)		3° 24' 00" S 29° 08' 00" E	
Uvongo (see Uvongo Beach)	South Africa		30° 50' 00" S 30° 24' 00" E	0 m
Uvongo Beach, in Eucalyptus plantation (see also: Evongo, Uvongo, Uvongostrand)	South Africa		30° 50' 00" S 30° 24' 00" E	0 m
Uvongostrand (see Uvongo Beach)	South Africa		30° 50' 00" S 30° 24' 00" E	0 m
Uwinka	Rwanda		2° 28' 00" S 29° 12' 00" E	2512 m
Uyun 'Amir, near (see Aïoun Ameur, near), 4 km S Redeyef	Tunisia	ca.	34° 19' 00" N 8° 09' 00" E	
Vaalwater, Waterberg	South Africa		24° 18' 00" S 28° 06' 00" E	1167 m
Vaalwater, 30 km NE (see Farm Klipfontein 54JS)	South Africa		24° 08' 00" S 28° 08' 00" E	
Vaalwater, 32 km NW (see Farm Platbos)	South Africa		24° 13' 00" S 27° 52' 00" E	
Vaalwater, 65 km N	South Africa		23° 48' 00" S 28° 15' 00" E	
Vaalwater, 65 km N (see Lapalala Wilderness area)	South Africa		23° 51' 00" S 28° 09' 00" E	
Vakaga prefecture	Central African Republic			
Vaku	Congo (Democratic Republic of the)		5° 15' 00" S 13° 10' 00" E	351 m
Val Riche (see also: Valle Riche)	Seychelle Islands	ca.	4° 38' 49" S 55° 25' 50" E	400 m
Valencia	Spain			
Valhalla, Pretoria	South Africa		25° 48' 42" S 28° 09' 01" E	1405 m
Valle Riche (see Val Riche)	Seychelle Islands	ca.	4° 38' 49" S 55° 25' 50" E	400 m
Vallée de la Taïka (see Taïka valley), 10 km W Dakoro	Vallée de la Taïka			
Vallée de l'Ibdekène (see Ibdekkene valley)	Mali	ca.	18° 45' 00" N 1° 25' 00" E	
Vallée du Bandama (former) region	Côte d'Ivoire			
Vallée du Bandama district	Côte d'Ivoire			
Valley of the Kings, Luxor	Egypt		25° 44' 00" N 32° 36' 00" E	
Van Reenen	South Africa		28° 22' 00" S 29° 23' 00" E	1638 m
Van Riebeeck Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria	South Africa		25° 52' 48" S 28° 16' 48" E	
Van Riebeeck Natuurreservaat, Pretoria (see also: Maria van Riebeeck Nature Reserve, Rietvlei Nature Reserve, Van Riebeeck Nature Reserve)	South Africa		25° 52' 48" S 28° 16' 48" E	
Van Soelenshoek, Farm 590 (see Winburg)	South Africa		28° 32' 00" S 27° 01' 00" E	1494 m
Van Staaden River Pass (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa		33° 54' 00" S 25° 12' 00" E	430 m
Van Staadens Pass (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa		33° 54' 00" S 25° 12' 00" E	430 m
Van Staden's Valley (see also: Port Elisabeth, 26 mi [=42 km] W, Stadenspas, Van Staaden River Pass, Van Staadens Pass, Van Stadenspas)	South Africa		33° 53' 00" S 25° 15' 00" E	430 m
Van Stadenspas (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa		33° 54' 00" S 25° 12' 00" E	430 m
Van Wyksvlei (see The Van Wyks Vlei Settlement Plan)	South Africa		30° 18' 00" S 21° 50' 00" E	958 m
Van Wyksvlei Settlements (see The Van Wyks Vlei Settlement Plan)	South Africa		30° 18' 00" S 21° 50' 00" E	958 m
Vanchynardorp, 5 mi [=8 km] E	South Africa			
Vaneteze river (see also: Rio Wanetsi, Wanetsi river)	Mozambique		24° 29' 33" S 32° 10' 17" E	
Vankerckhovenstad (see Nzoro)	Congo (Democratic Republic of the)		3° 20' 00" N 29° 30' 00" E	791 m
Vankerckhovenville (see Nzoro)	Congo (Democratic Republic of the)		3° 20' 00" N 29° 30' 00" E	791 m
Vasco de Gama Pillar, Malindi (see also: Vasco de Gama Point)	Kenya		3° 13' 00" S 40° 08' 00" E	
Vasco de Gama Point (see Vasco de Gama Pillar), Malindi	Kenya		3° 13' 00" S 40° 08' 00" E	
Vatovavy, 9 km ESE Kianjavato (see also: Kianjavato, 9 km ESE)	Madagascar		21° 24' 00" S 47° 57' 00" E	150 m
Vellefontein, Farm 517 KQ (see Farm Vellefontein 517 KQ)	South Africa		24° 49' 26" S 27° 47' 07" E	
Vendabind, on Levuvhu river	South Africa			

Ventersburg (see also: De Poort, Farm 378, Farm 378 (De Poort), Farm De Poort 378, Willem Pretorius Game Reserve, Willempretoriuswildtuin)	South Africa		28° 05' 00" S 27° 08' 00" E	1425 m
Ventersdorp, 13 km W (see Farm Ratsegaai 204)	South Africa		26° 22' 00" S 26° 44' 00" E	
Venterskroon, Potchefstroom	South Africa		26° 52' 48" S 26° 16' 12" E	
Venterskroon, 1.8 km NW	South Africa		26° 52' 39" S 27° 15' 15" E	
Venterskroon, 1.8 km NW - 3.0 km NNE (see Vredefort Dome World Heritage Site)	South Africa	ca.	26° 52' 39" S 27° 15' 15" E	
Veralum	South Africa		29° 39' 08" S 31° 02' 21" E	
Verdun, mount (see also: Mount Verdun)	Angola		12° 10' 00" S 15° 20' 00" E	
Vergelegen, Farm 80JS (see Farm Vergelegen 80JS)	South Africa		25° 26' 00" S 29° 23' 00" E	
Vergeval, Farm (see Farm Vergeval)	South Africa		27° 29' 00" S 31° 42' 00" E	360 m
Verloren Valei Nature Reserve	South Africa		28° 16' 40" S 30° 05' 56" E	
Vernon Crookes Nature Reserve (see also: Vernon Crooks Nature Reserve)	South Africa		30° 36' 00" S 30° 15' 36" E	
Vernon Crooks Nature Reserve (see Vernon Crookes Nature Reserve)	South Africa		30° 36' 00" S 30° 15' 36" E	
Verulam	South Africa		29° 40' 18" S 31° 01' 12" E	
Verwoerburg (see Centurion), Pretoria	South Africa		25° 52' 28" S 28° 10' 14" E	1443 m
Verwoerdburg (see Centurion)	South Africa		25° 52' 28" S 28° 10' 14" E	1443 m
Vet fence, 7 km ESE (see Eiseb river), Therosvallei	Namibia		20° 37' 30" S 20° 07' 30" E	
Vhembe district	South Africa			
Vhembi, Messina (see also: Shashe and Limpopo junction)	South Africa		22° 26' 00" S 29° 22' 00" E	
Viaduc, cave (see Viaduc, grotte du)	Congo		4° 15' 00" S 13° 00' 00" E	
Viaduc, grotte du (see also: Grotte du Viaduc, Viaduc, cave)	Congo		4° 15' 00" S 13° 00' 00" E	
Victoria	Cameroon		4° 00' 36" N 9° 09' 36" E	
Victoria	Equatorial Guinea	ca.	3° 30' 00" N 8° 42' 00" E	
Victoria (see also: Mahé, Port Victoria)	Seychelle Islands		4° 37' 00" S 55° 27' 00" E	0 m
Victoria (see Limbe) (see also: CDC Rest House)	Cameroon		4° 00' 46" N 9° 13' 13" E	136 m
Victoria (see Tongaat)	South Africa		29° 34' 20" S 31° 07' 00" E	0 m
Victoria Falls, Dibutibu River, Batoka (see also: Amanza Tunqayo, Chino Timba , Mosi oa Tunya, Mosi-Oa-Toenja)	Zimbabwe		17° 55' 00" S 25° 51' 00" E	
Victoria Falls Bridge	Zimbabwe		17° 55' 42" S 25° 51' 26" E	
Victoria Nyanza (see Victoria, lake)	Uganda	ca.	1° 00' 00" S 33° 00' 00" E	
Victoria Nyanza (see Victoria, lake)	Tanzania		1° 00' 00" S 33° 00' 00" E	
Victoria West (see also: Victoria-Wes)	South Africa		31° 24' 06" S 23° 07' 10" E	1372 m
Victoria, 11.3 km N (see Moliwe)	Cameroon		4° 03' 59" N 9° 14' 48" E	174 m
Victoria, 5 km E (see Maneta)	Cameroon		4° 00' 00" N 9° 15' 00" E	
Victoria, lake (see also: Lake Victoria, Nam Lolwe, Ukerewe, Victoria Nyanza)	Uganda	ca.	1° 00' 00" S 33° 00' 00" E	
Victoria, lake (see also: Lake Victoria, Nam Lolwe, Ukerewe, Victoria Nyanza)	Tanzania		1° 00' 00" S 33° 00' 00" E	
Victoriaspoort, Farm 18IT (see Farm Victoriaspoort 18IT)	South Africa		26° 02' 00" S 30° 19' 00" E	
Victoria-Wes (see Victoria West)	South Africa		31° 24' 06" S 23° 07' 10" E	1372 m
Victory Cave, Chinoyi	Zimbabwe		17° 07' 30" S 30° 07' 30" E	
Vieux Beni (see also: Ancien Beni, Fort Beni)	Congo (Democratic Republic of the)		0° 26' 00" N 29° 33' 00" E	585 m
Vievenda de Mera, plantation, 5 km on Malabo - Luba road (see also: Malabo to Luba road, km 5, Mera, plantation, Vvd. de Mera, plantation)	Equatorial Guinea		3° 43' 00" N 8° 44' 00" E	
Vihiga county	Kenya			
Vikindo [forest], Usaramo	Tanzania		6° 59' 00" S 39° 17' 00" E	120 m
Vila Arriaga (see Bibala)	Angola		14° 46' 00" S 13° 21' 00" E	906 m
Vila Artur de Paiva (see Kuvango)	Angola		14° 28' 00" S 16° 18' 00" E	1448 m
Vila Coutinho	Mozambique		14° 44' 04" S 34° 22' 22" E	1223 m
Vila Coutinho, 93 km S	Mozambique	ca.	15° 40' 19" S 34° 19' 56" E	
Vila da Manhiça (see Manhiça)	Mozambique		25° 24' 08" S 32° 48' 26" E	57 m
Vila da Ponte (see Kuvango)	Angola		14° 28' 00" S 16° 18' 00" E	1448 m
Vila de Folgares (see Capelongo (2))	Angola		14° 55' 00" S 15° 05' 00" E	1197 m
Vila de João Belo (see Xai-Xai), Maputo, 200 km N	Mozambique		25° 03' 07" S 33° 38' 39" E	9 m
Vila de Manica, 10 km N (see Manica, 10 km N)	Mozambique		18° 50' 00" S 32° 57' 00" E	
Vila de São Filippe (see São Filipe)	Cape Verde		14° 54' 00" N 24° 31' 00" W	77 m
Vila de Sena (see also: Sena)	Mozambique		17° 26' 30" S 35° 01' 38" E	69 m
Vila do Dondo (see Dondo)	Mozambique		19° 36' 34" S 34° 44' 35" E	56 m

Vila do Maio (see also: Maio, Nossa Senhora da Luz, Port Ingles, Porto Inglez)	Cape Verde		15° 08' 30" N 23° 12' 30" W	4 m
Vila do Maio, 2 km N	Cape Verde	ca.	15° 10' 00" N 23° 13' 00" W	
Vila Gamito (see Mualadze), Tete, 10 km N	Mozambique		14° 09' 59" S 32° 59' 13" E	965 m
Vila Gamito, 10 km N	Mozambique	ca.	14° 04' 01" S 33° 03' 00" E	
Vila Gouveia (see Catandica)	Mozambique		18° 03' 27" S 33° 10' 25" E	620 m
Vila Goveia (see Catandica)	Mozambique		18° 03' 27" S 33° 10' 25" E	620 m
Vila Guilherme Capelo (see Cacongo)	Angola		5° 14' 00" S 12° 09' 00" E	0 m
Vila Junqueiro, 2.9 km N, 8.9 km E, cave adjacent to Mount Muresi (see also: Gurué, 2.9 km N, 8.9 km E)	Mozambique		15° 24' 49" S 37° 04' 28" E	984 m
Vila Junqueiro, 7.6 km N, 7.2 km E (see also: Gurué, 7.6 km N, 7.2 km E)	Mozambique		15° 23' 58" S 37° 02' 34" E	
Vila Luso (see Luena)	Angola		11° 47' 00" S 19° 55' 00" E	1291 m
Vila Luzo (see Luena)	Angola		11° 47' 00" S 19° 55' 00" E	1291 m
Vila Luzu (see Luena)	Angola		11° 47' 00" S 19° 55' 00" E	1291 m
Vila Macahdo (see Nhamatanda)	Mozambique		19° 16' 09" S 34° 12' 46" E	64 m
Vila Machado (see Nhamatanda)	Mozambique		19° 16' 09" S 34° 12' 46" E	64 m
Vila Machado, 3 km SE (see Nhamatanda, 3 km SE)	Mozambique		19° 16' 59" S 34° 16' 59" E	
Vila Mahado (see Nhamatanda)	Mozambique		19° 16' 09" S 34° 12' 46" E	64 m
Vila Robert Williams (see Caála)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Vila Salazar (see Matola)	Mozambique		25° 57' 44" S 32° 27' 32" E	3 m
Vila São Filipe (see São Filipe)	Cape Verde		14° 54' 00" N 24° 31' 00" W	77 m
Vila-de-Santiago-Maior (see Tete), on the Zambezi River	Mozambique		16° 09' 23" S 33° 35' 12" E	140 m
Vila-João-Belo (see Xai-Xai), Maputo, 200 km N	Mozambique		25° 03' 07" S 33° 38' 39" E	9 m
Vilanculos (see Vilankulo)	Mozambique		22° 00' 00" S 35° 19' 00" E	0 m
Vilanculos district	Mozambique	ca.	22° 00' 00" S 35° 00' 00" E	
Vilanculos, W edge	Mozambique		21° 58' 59" S 35° 19' 01" E	
Vilankulo (see also: Vilanculos, Villacuios)	Mozambique		22° 00' 00" S 35° 19' 00" E	0 m
Vilankulo, W edge	Mozambique		21° 58' 59" S 35° 19' 01" E	
Villa Alhucemas (see Al Hoceïma)	Morocco		35° 14' 24" N 3° 55' 48" W	153 m
Villa Arriaga (see Bibala)	Angola		14° 46' 00" S 13° 21' 00" E	906 m
Villa del dottore Abruzzi (see Jawhar)	Somalia		2° 46' 00" N 45° 31' 00" E	100 m
Villa Duca Abruzzi (see Jawhar)	Somalia		2° 46' 00" N 45° 31' 00" E	100 m
Villa Luso (see Luena)	Angola		11° 47' 00" S 19° 55' 00" E	1291 m
Villa Moatize, 17 km E (see Moatize, 17 km E)	Mozambique		16° 05' 00" S 33° 42' 00" E	
Villa Sanjurjo (see Al Hoceïma)	Morocco		35° 14' 24" N 3° 55' 48" W	153 m
Villacuios (see Vilankulo)	Mozambique		22° 00' 00" S 35° 19' 00" E	0 m
Village de la Mine (see M'Dilla abandoned Phosphate mines)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
Village Kosmos (see Kosmos), Western Shore Hartebeespoortdam	South Africa		25° 44' 00" S 27° 51' 00" E	1139 m
Village Mossake (see Mossaka)	Congo		1° 12' 51" S 16° 47' 39" E	290 m
Villaggio Duca Abruzzi (see Jawhar)	Somalia		2° 46' 00" N 45° 31' 00" E	100 m
Villaggio Duca degli Abruzzi (see Jawhar)	Somalia		2° 46' 00" N 45° 31' 00" E	100 m
Ville de Chechaouèn (see Chefchaoune), Rif	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Ville de N'Djamena region (see also: N'Djamena City region |PC:NJ|)	Chad			
Vinamont Farm, near Elisabethville	Congo (Democratic Republic of the)		11° 41' 00" S 27° 29' 00" E	
Vinanitelo	Madagascar		21° 43' 00" S 47° 16' 00" E	
Vinanitelo, 15 km SW	Madagascar		21° 26' 00" S 47° 37' 00" E	492 m
Vinanitelo, 21 km SW (see Ambohimanana)	Madagascar		21° 26' 00" S 48° 05' 00" E	44 m
Vintane cave, 4.1 km SE Itampolo (see also: Grotte de Vintane, Itampolo, 4.1 km SE, Vintani)	Madagascar		24° 42' 08" S 43° 57' 49" E	
Vintani (see Vintane cave)	Madagascar		24° 42' 08" S 43° 57' 49" E	
Viphya Plateau	Malawi		12° 22' 48" S 33° 42' 00" E	
Vipingo, 25 mi [=40 km] N Mombasa (see also: Mombasa, 25 mi [=40 km] N, Vipingo cave(s), Vipingoni, Vipingoni cave(s))	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingo, 20 mi [=32 km] N Mobasa (see also: Mombasa, 20 mi [=32 km] N, Vipingoni)	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingo cave(s) (see Vipingo), 25 mi [=40 km] N Mombasa	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni (see Vipingo), 20 mi [=32 km] N Mobasa	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni (see Vipingo), 25 mi [=40 km] N Mombasa	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni cave(s) (see Vipingo), 25 mi [=40 km] N Mombasa	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Virginia Farm, W of Boston	South Africa		29° 40' 00" S 29° 57' 00" E	664 m
Viro Hill	Zimbabwe		16° 22' 30" S 30° 37' 30" E	
Virunga National Park (see also: Albert National Park, Parc National Albert, PNA)	Congo (Democratic Republic of the)		1° 00' 00" S 29° 15' 00" E	

Visagiesrus, Farm (see Farm Visagierus), Williston, SW	South Africa		31° 31' 00" S 20° 30' 00" E	3600 ft
Visanza Mission, near Ndaja (see also: Mpherere Mission)	Malawi		13° 22' 10" S 33° 55' 21" E	
Vista (see Nsiamfumu)	Congo (Democratic Republic of the)		5° 52' 00" S 12° 17' 00" E	2 m
Vista Alegre	São Tomé and Principé		0° 19' 00" N 6° 41' 00" E	
Vitanda	Malawi		12° 57' 00" S 33° 10' 00" E	1000 m
Vitshumbi (see also: Bitshumbi)	Congo (Democratic Republic of the)		0° 40' 56" S 29° 23' 12" E	907 m
Vivo, 11.2 km N (see Langjan Provincial Nature Reserve)	South Africa		22° 49' 48" S 29° 12' 00" E	
Vivo, 13 km W (see Farm Urk 10)	South Africa		23° 02' 00" S 29° 08' 00" E	854 m
Vleiplaas, Farm (see Farm Vleiplaas)	South Africa		33° 37' 49" S 23° 10' 04" E	760 m
Vloorskop	Botswana		25° 55' 01" S 20° 52' 01" E	959 m
Voëlklip, 7th Street	South Africa		34° 22' 59" S 19° 16' 00" E	8 m
Vohemar (airfield)	Madagascar		13° 22' 00" S 50° 00' 00" E	
Vohibinany (see Ampasimanolotra)	Madagascar		18° 49' 00" S 49° 04' 00" E	3 m
Vohibinany district (see Ampasimanolotra district)	Madagascar	ca.	18° 49' 04" S 49° 04' 21" E	
Vohiposa	Madagascar		20° 59' 46" S 47° 09' 42" E	
Voi	Kenya		3° 23' 00" S 38° 34' 00" E	
Voi, 2 mi [=3.2 km] N	Kenya		3° 22' 59" S 38° 33' 00" E	564 m
Voi, 30 km E (see Maungu)	Kenya		3° 33' 00" S 38° 45' 00" E	61 m
Voi, 30 km E (see Wangala)	Kenya		3° 36' 08" S 38° 49' 52" E	610 m
Voi, 30 km SE	Kenya	ca.	3° 34' 00" S 38° 46' 00" E	
Voi, 4 mi [=6.4 km] NW (see Irima)	Kenya		3° 21' 20" S 38° 32' 05" E	564 m
Voi, 40 km SE (see Nyangala Hill)	Kenya		3° 37' 00" S 38° 44' 00" E	
Voi, 48 km SE (see Maungu Hill)	Kenya		3° 37' 30" S 38° 37' 30" E	450 m
Voigt's; Farm (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road	South Africa		25° 37' 00" S 28° 37' 00" E	
Voinjama, 2 mi [=3.2 km] SW (see Zozoma)	Liberia		8° 25' 00" N 9° 47' 00" W	
Voinjama, ca. 2 mi [=3.2 km] SW (see John Hegbe farm), near Zozoma	Liberia		8° 25' 00" N 9° 35' 00" W	500 m
Voka	Congo		4° 41' 00" S 14° 41' 00" E	621 m
Volcan du Kivu (see Nyirogongo volcano)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Volcan Niragong (see Nyirogongo volcano)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Volcan Nyiragongo (see Nyirogongo volcano)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Volcan Nyirogongo (see Nyirogongo volcano)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Volcan Tshamiagongo (see Nyirogongo volcano)	Congo (Democratic Republic of the)		1° 31' 19" S 29° 14' 58" E	
Volta region	Ghana			
Volunteer farms, near Gwayi river (see also: Gwai River farms)	Zimbabwe		18° 45' 00" S 27° 20' 00" E	
Vondrozo, cave N of	Madagascar		22° 49' 00" S 47° 17' 00" E	
Vondrozo, near	Madagascar	ca.	22° 49' 00" S 47° 17' 00" E	
Voro River (see Río Voro)	Equatorial Guinea			
Vou (see also: Evou, Ewou)	Togo		7° 32' 00" N 1° 02' 00" E	224 m
Voulkhé-Sokhani (see Wulasi)	Ghana		8° 39' 18" N 0° 00' 05" W	
Vrede (see also: Farm 196 (Langverwaght), Farm Langverwaght 196, Langverwaght, Farm 196)	South Africa		27° 25' 00" S 29° 10' 00" E	1668 m
Vrede, Farm (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet	South Africa		32° 13' 03" S 24° 12' 26" E	
Vredefort, Aasvogelrand-Oost (see also: Vredefort town)	South Africa		27° 01' 00" S 27° 23' 00" E	1456 m
Vredefort Dome World Heritage Site, 1.8 km NW - 3.0 km NNE Venterskroon (see also: Venterskroon, 1.8 km NW - 3.0 km NNE)	South Africa	ca.	26° 52' 39" S 27° 15' 15" E	1310 m
Vredefort Road, Vredefort	South Africa		26° 55' 00" S 27° 22' 00" E	
Vredefort town (see Vredefort)	South Africa		27° 07' 30" S 27° 22' 30" E	
Vredendal, 10.2 km S, 26.3 km W (see Hollebaks Strandfontein)	South Africa		31° 45' 18" S 18° 13' 52" E	50 m
Vredendal, 10.7 km S, 26.9 km W (see State Land)	South Africa		31° 45' 18" S 18° 13' 52" E	6 m
Vrijheid, 70 km NE (see Ngome Forest Reserve)	South Africa		27° 52' 00" S 31° 24' 45" E	
Vrisgewaagd, Farm 152 (see Farm Vrisgewaagd 152)	South Africa		33° 15' 47" S 21° 52' 57" E	600 m
Vrolijkheid Nature Reserve, 12 km S, 0.5 km W Robertson (see also: Farm Vrolijkheid, Robertson, 12 km S, 0.5 km W, Robertson, 15 km SW, Vrolijkheid, Farm)	South Africa		33° 55' 00" S 19° 53' 00" E	221 m
Vrolijkheid, Farm (see Vrolijkheid Nature Reserve)	South Africa		33° 55' 00" S 19° 52' 00" E	221 m
Vryburg, Vryburg	South Africa		26° 57' 00" S 24° 44' 00" E	1204 m

Vryheid Hill Nature Reserve	South Africa		27° 45' 18" S 30° 47' 15" E	1264 m
Vryheid, 11 km S, 11 km E (see Farm Groedehoop)	South Africa		27° 52' 00" S 30° 55' 00" E	1050 m
Vuma, Farm (see Farm Vuma), near Entumeni Nature Reserve	South Africa		28° 53' 00" S 31° 23' 00" E	583 m
Vumba, near Manica	Mozambique		19° 02' 00" S 32° 58' 00" E	4300 m
Vumba (see Vumba hotel)	Zimbabwe		19° 07' 00" S 32° 44' 00" E	
Vumba hotel (see also: Vumba)	Zimbabwe		19° 07' 00" S 32° 44' 00" E	
Vumba National Park (see also: Manchester Gardens, Manchester National Park)	Zimbabwe		19° 05' 00" S 32° 45' 00" E	
Vumbi	Congo (Democratic Republic of the)		8° 38' 00" S 25° 58' 00" E	932 m
Vumbi (see Vumbi-Bukuba)	Burundi		2° 41' 56" S 30° 06' 13" E	1788 m
Vumbi-Bukuba (see also: Vumbi)	Burundi		2° 41' 56" S 30° 06' 13" E	1788 m
Vvd. de Mera, plantation (see Vievenda de Mera, plantation)	Equatorial Guinea		3° 43' 00" N 8° 44' 00" E	
Vygeboom Dam, Albert Luthuli Municipality, Kafferskraal 618 JT	South Africa		25° 52' 09" S 30° 35' 40" E	1067 m
Vygeboom, Farm 326 (see Farm Vygeboom 326)	South Africa		33° 16' 08" S 25° 40' 31" E	750 m
Vygeboschlaagte, Farm 236JQ (see Farm Vygeboschlaagte 236JQ)	South Africa		25° 19' 00" S 28° 01' 00" E	
W.N.L.A., Garden; near Luvuvhu and Limpopo confluence (pumphouse) (see also: WNLA Garden (Crooks Corner))	South Africa		22° 24' 10" S 31° 15' 12" E	
Waa	Kenya		4° 10' 12" S 39° 36' 10" E	
Waaghoek [Farmstead], 6 mi W Edenville (see also: Edenville, 6 mi [=9.7 km] W)	South Africa		27° 33' 00" S 27° 35' 00" E	1500 m
Wacoumbas cave (see also: Caverne de Wacoumbas)	Kenya			
Wad Madani (see also: Medani, Wad Medani)	Sudan		14° 24' 00" N 33° 32' 00" E	414 m
Wad Marium, 12 mi [=18 km] from Khartoum, on White Nile (see also: Khartoum, 12 mi [=19 km] from)	Sudan	ca.	15° 25' 00" N 32° 25' 00" E	
Wad Medani (see Wad Madani)	Sudan		14° 24' 00" N 33° 32' 00" E	414 m
Wad Tafna (see Tafna, oued)	Algeria	ca.	35° 17' 52" N 1° 28' 16" W	
Wadajir, 8 km N, 4.5 km E	Somalia		0° 40' 00" S 41° 42' 00" E	
Waddi Chappal (see Gangirwal)	Nigeria		7° 02' 00" N 11° 43' 00" E	1900 m
Wadere (see Warder)	Ethiopia		6° 58' 00" N 45° 20' 00" E	540 m
WadiPC:WH|)	Libya			
Wadi Al Hayat district (see also: Wadi al Hayaa district |PC:WH|)	Libya			
Wadi al Kuf, 8 km SW Massah (see also: Cuf, Uádi el, Jabal Akhdar Mountains, Kuf, Wadi al, Massah, 8 km SW, Uádi el Cuf, Wadi Kuf)	Libya		32° 42' 36" N 21° 35' 47" E	330 m
Wadi al Manshiyah (see also: Uàdi el Manscia , Wadi al Minshiyah)	Libya		32° 54' 00" N 22° 03' 00" E	
Wadi al Minshiyah (see Wadi al Manshiyah)	Libya		32° 54' 00" N 22° 03' 00" E	
WadiPC:WS|)	Libya			
Wadi Alagi, Eastern Nubia	Sudan	ca.	22° 00' 00" N 35° 00' 00" E	2 000 ft
Wadi an Natrun (see also: Wadi El Natroun, Wadi el Natrûn , Wadi en Natrun , Wadi Natroen, Wadi Natroon, Wadi Natrun, Wadi Netroon)	Egypt		30° 25' 00" N 30° 13' 00" E	
Wadi Araba (see also: Eilat, 40 km N, Yotwata)	Israel			
Wadi ash Sharsharah (see also: Ar Sharsharah)	Libya		32° 32' 00" N 13° 34' 00" E	
Wadi Ash Shati' district (see also: Wadi al Shatii district |PC:WS|)	Libya			
Wadi Darnah, 6 km S of Darnah (see also: Darnah, 6 km S)	Libya		32° 42' 06" N 22° 36' 40" E	
Wadi Darnah, cave at, 10 km S Darnah	Libya		32° 41' 00" N 22° 36' 00" E	
Wadi Digla, 8 mi [=12.8 km] from Maadi (see also: Al Ma'adi, 8 mi [=12.8 km] from, Maadi, 8 mi [=12.8 km] from)	Egypt		29° 58' 00" N 31° 18' 00" E	
Wadi El Feiran (see Wa?at Fayran)	Egypt		28° 43' 07" N 33° 37' 13" E	
Wâdi el Khudara (see Wadi Khu?rah)	Egypt		29° 30' 46" N 34° 03' 25" E	
Wadi El Natroun (see Wadi an Natrun)	Egypt		30° 25' 00" N 30° 13' 00" E	
Wadi el Natrûn (see Wadi an Natrun)	Egypt		30° 25' 00" N 30° 13' 00" E	
Wadi El Qreiya	Egypt		26° 20' 00" N 32° 46' 00" E	
Wadi en Natrun (see Wadi an Natrun)	Egypt		30° 25' 00" N 30° 13' 00" E	
Wadi Faran (see Wadi Fayran)	Egypt		28° 40' 27" N 33° 15' 26" E	

Wadi Fayran (see also: Fairan, Wadi Faran, Wadi Feiran, Wadi Firan)	Egypt		28° 40' 27" N 33° 15' 26" E	
Wadi Feiran (see Wadi Fayran)	Egypt		28° 40' 27" N 33° 15' 26" E	
Wadi Fira region	Chad			
Wadi Firan (see Wadi Fayran)	Egypt		28° 40' 27" N 33° 15' 26" E	
Wadi Gharandal	Egypt			
Wadi ?alfa'	Sudan		21° 48' 00" N 31° 21' 00" E	200 m
Wadi ?awf (see also: Wâdi ?ôf)	Egypt		29° 53' 00" N 31° 18' 00" E	
Wâdi ?ôf (see Wadi ?awf) (see also: Wâdi Umm ‘Iliq)	Egypt		29° 53' 00" N 31° 18' 00" E	
Wadi Jarjaroma	Libya			
Wâdi Khu?ara (see Wadi Khu?rah)	Egypt		29° 30' 46" N 34° 03' 25" E	
Wadi Khu?rah (see also: Ain Hudra, Ain Khudra, Ein Khudra, Wâdi el Khudara, Wâdi Khu?ara)	Egypt		29° 30' 46" N 34° 03' 25" E	
Wadi Kuf (see Wadi al Kuf)	Libya			
Wadi Nahiz, Sahour Cave	Oman		17° 06' 09" N 54° 09' 37" E	
Wadi Natroen (see Wadi an Natrun)	Egypt		30° 25' 00" N 30° 13' 00" E	
Wadi Natroon (see Wadi an Natrun)	Egypt		30° 25' 00" N 30° 13' 00" E	
Wadi Natrun (see Wadi an Natrun)	Egypt		30° 25' 00" N 30° 13' 00" E	
Wadi Natrun, 12 mi W	Egypt	ca.	30° 03' 00" N 31° 15' 00" E	
Wadi Netroon	Egypt			
Wadi Netroon (see Wadi an Natrun)	Egypt		30° 25' 00" N 30° 13' 00" E	
Wadi Obolléï	Djibouti		11° 10' 00" N 42° 44' 00" E	
Wadi Obolléï (see Obolléi Yar)	Djibouti		11° 23' 37" N 43° 04' 56" E	218 m
Wadi Sauria	Algeria		30° 11' 00" N 2° 14' 00" W	
Wadi Tafna (see Tafna, oued)	Algeria	ca.	35° 17' 52" N 1° 28' 16" W	
Wâdi Umm ‘Iliq (see Wâdi ?ôf)	Egypt		29° 53' 00" N 31° 18' 00" E	
Wadi Zriba, near Zaghouan (see also: Zaribah , Zriba-Village)	Tunisia		36° 20' 22" N 10° 15' 08" E	
Wâdy Tafna (see Tafna, oued)	Algeria	ca.	35° 17' 52" N 1° 28' 16" W	
Waenhuiskrans Cliffs (see Waenhuiskrans Overhangs)	South Africa		34° 40' 44" S 20° 14' 04" E	0 m
Waenhuiskrans Overhangs, 16.2 km S, 17.8 km W Bredasdorp (see also: Bredasdorp, 16.2 km S, 17.8 km W, Waenhuiskrans Cliffs)	South Africa		34° 40' 44" S 20° 14' 04" E	0 m
Wafania (see also: Wafanya)	Congo (Democratic Republic of the)		1° 21' 00" S 20° 20' 00" E	396 m
Wafanya (see Wafania)	Congo (Democratic Republic of the)		1° 21' 00" S 20° 20' 00" E	396 m
Wagadugu (see Ouagadougou)	Burkina Faso		12° 22' 13" N 1° 31' 29" W	305 m
Wagenia, near Kisangani	Congo (Democratic Republic of the)		0° 23' 12" N 25° 12' 25" E	508 m
Wagga, mount, near Berebera (see also: Mount Wagga)	Sudan		16° 09' 10" N 36° 12' 15" E	450 m
Wago, mount, 10 km E Blukwa (see also: Blukwa, 10 km E, Mount Wago, Wasa Wago, mount)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 40' 00" E	2240 m
Wagondrift, Farm 230 (see Farm Wagondrift 230), 16 km SSE Lamberts Bay	South Africa		32° 13' 00" S 18° 21' 00" E	
Wa?at Fayran (see also: Feiran Oasis, Pharan , Wadi El Feiran, Wa?at Firan)	Egypt		28° 43' 07" N 33° 37' 13" E	
Wa?at Firan (see Wa?at Fayran)	Egypt		28° 43' 07" N 33° 37' 13" E	
Wahina, 30 mi [=45 km] SE Metemma (see also: Gallabat, 30 mi [=48 km] SE, Matama, 30 mi [=48 km] SE, Metema, 30 mi [=48 km] SE)	Ethiopia		12° 30' 00" N 36° 30' 00" E	1006 m
Wahran (see Oran)	Algeria		35° 41' 00" N 0° 39' 00" W	110 m
Waisake river (see Waisoke river)	Uganda		1° 58' 00" N 31° 24' 00" E	
Waisoke river (see also: Waisake river)	Uganda		1° 58' 00" N 31° 24' 00" E	
Wajir (see also: El Sadi)	Kenya		1° 44' 50" N 40° 03' 26" E	
Wajir county	Kenya			
Wakefield, Farm 2369 (ptn 13) (see Farm Wakefield 2369 (ptn 13))	South Africa		29° 29' 13" S 29° 53' 53" E	
Wakiso district	Uganda			
Wakkersdal, Farm 436KT (see Farm Wakkersdal 436KT)	South Africa		24° 37' 00" S 30° 43' 00" E	
Wakkerstroom	South Africa		27° 21' 00" S 30° 08' 00" E	1729 m
Wakwa	Cameroon		7° 14' 00" N 13° 35' 00" E	1143 m
Walaga	Ethiopia			
Walamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		6° 50' 00" N 37° 40' 00" E	6 700 ft
Walfischbay (see Walvis Bay)	Namibia		22° 57' 27" S 14° 30' 19" E	17 m

Walfisch-Bucht-Niederland (see Walvis Bay)	Namibia		22° 57' 27" S 14° 30' 19" E	17 m
Walikale	Congo (Democratic Republic of the)		1° 24' 56" S 28° 03' 26" E	703 m
Walikale, 15 mi [=24 km] S	Congo (Democratic Republic of the)		1° 39' 54" S 28° 07' 14" E	
Walikunda (see Walli Kunda)	The Gambia		13° 34' 00" N 14° 55' 00" W	8 m
Waliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Wallaby Claims, Filabusi	Zimbabwe		20° 33' 00" S 29° 15' 00" E	
Walli Kunda (see also: Walikunda)	The Gambia		13° 34' 00" N 14° 55' 00" W	8 m
Walli Kunda, near	The Gambia		13° 34' 00" N 14° 55' 00" W	
Walliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Wallo province (see Welo Kifle Hager province)	Ethiopia	ca.	11° 30' 00" N 40° 00' 00" E	
Walmer, Port Elizabeth	South Africa		33° 59' 00" S 25° 35' 00" E	71 m
Walo Mountains (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Walso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Walvis Bay (see also: Walfischbay, Walfisch-Bucht-Niederland, Walvisbaai)	Namibia		22° 57' 27" S 14° 30' 19" E	17 m
Walvisbaai (see Walvis Bay)	Namibia		22° 57' 27" S 14° 30' 19" E	17 m
Wamba territory	Congo (Democratic Republic of the)			
Wanalerel	Sudan			
Wandegeya	Uganda		0° 21' 00" N 33° 33' 00" E	1129 m
Wanetsi river (see Vaneteze river)	Mozambique		24° 29' 33" S 32° 10' 17" E	
Wangala, 38 km E Voi (see also: Voi, 30 km E, Wangala Station)	Kenya		3° 36' 08" S 38° 49' 52" E	610 m
Wangala Station (see Wangala)	Kenya		3° 36' 08" S 38° 49' 52" E	320 m
Wangata (see Bandaka)	Congo (Democratic Republic of the)		0° 04' 00" N 18° 16' 00" E	306 m
Wankie Game Reserve (see Hwange National Park)	Zimbabwe		19° 10' 00" S 26° 30' 00" E	914 m
Wankie National Park (see Hwange National Park)	Zimbabwe		19° 10' 00" S 26° 30' 00" E	914 m
Wankie Reserve (see Wankie Tribal Trust Land), 15 mi E Dett	Zimbabwe		18° 10' 00" S 26° 45' 00" E	3000 ft
Wankie Tribal Trust Land, 15 mi E Dett (see also: Dett, 15 mi [=24 km] E, Hwange, Wankie Reserve)	Zimbabwe		18° 10' 00" S 26° 45' 00" E	3000 ft
War Grave, 40 mi [=64 km] W, on Molopo River	South Africa		25° 52' 30" S 26° 07' 30" E	
Warab state [PC:WR| (see also: Warab state |PC:WR|, Warrap state |PC:WR|)	South Sudan			
Warab)	South Sudan			
Wardair (see Warder)	Ethiopia		6° 58' 00" N 45° 20' 00" E	540 m
Wardan	Egypt		30° 19' 00" N 30° 54' 00" E	7 m
Warden, Non Pareil [396] (see also: Farm 396 (Non Pareil), Farm Non Pareil 396, Non Pareil, Farm 396)	South Africa		27° 51' 00" S 28° 58' 00" E	1643 m
Wardens house, 15 km E Mkuzi village	South Africa		27° 47' 00" S 32° 12' 00" E	
Warder (see also: Uardere, Wadere, Wardair, Werder)	Ethiopia		6° 58' 00" N 45° 20' 00" E	540 m
Warmbad (see Warmbaths)	South Africa		24° 53' 00" S 28° 17' 00" E	1098 m
Warmbad district (see Karasburg district)	Namibia		28° 00' 00" S 18° 30' 00" E	
Warmbad, 2 mi [=3.2 km] E (see Warmbaths, 2 mi [=3.2 km] E)	South Africa		24° 53' 00" S 28° 17' 00" E	ca. 1000 m
Warmbad, 40 mi [=64 km] WNW	South Africa			
Warmbad, 40 mi [=64 km] WNW (see Farm Sandspruit)	South Africa		25° 41' 00" S 27° 55' 00" E	
Warmbad, 40 mi [=64 km] WNW (see Gatkop cave)	South Africa		24° 37' 05" S 27° 39' 08" E	
Warmbaths (see also: Warmbad)	South Africa		24° 53' 00" S 28° 17' 00" E	1098 m
Warmbaths, 2 mi [=3.2 km] E (see also: Warmbad, 2 mi [=3.2 km] E)	South Africa		24° 53' 00" S 28° 17' 00" E	ca. 1000 m
Warmbaths, 5 mi [=8 km] E (see Rissik Private Nature Reserve)	South Africa		24° 53' 00" S 28° 27' 00" E	
Warmer Beach, Kingsway	South Africa		30° 05' 06" S 30° 51' 59" E	
Warner Beach	South Africa		30° 05' 00" S 30° 52' 00" E	
Warner Beach area	South Africa	ca.	30° 05' 00" S 30° 52' 00" E	
Warra)	South Sudan			
Warras	Ethiopia			
Warren Hills	Zimbabwe		17° 52' 00" S 30° 58' 00" E	
Warrenton, 47 km W (see Bellsbank Estates)	South Africa		28° 08' 00" S 24° 24' 00" E	
Waru (see Ougarou)	Burkina Faso		12° 09' 16" N 0° 55' 47" W	261 m

Warzat (see also: Ait Ouarzazate, Aït Ouarzazate, Ouarzazat, Ouarzazate, Ouarzazte, Ouorzazate, Uarzazatas, Warzazat, Warzazat)	Morocco		30° 55' 31" N 6° 54' 48" W	1276 m
Warzazat (see Warzat)	Morocco		30° 55' 31" N 6° 54' 48" W	1276 m
Warzazat (see Warzat)	Morocco		30° 55' 31" N 6° 54' 48" W	1276 m
Wasa (see Wasa Wago forest)	Congo (Democratic Republic of the)		1° 44' 00" N 30° 39' 00" E	1386 m
Wasa river, Chemliki valley (see also: Dorwa river)	Uganda		1° 02' 00" N 30° 30' 00" E	
Wasa Wago forest, between Blukwa and Lake Albert (see also: Wasa)	Congo (Democratic Republic of the)		1° 44' 00" N 30° 39' 00" E	1386 m
Wasa Wago, mount (see Wago, mount)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 40' 00" E	2240 m
Wase Rock	Nigeria		9° 04' 00" N 9° 58' 00" E	
Washiha Forest, 6 km N Bugarula (see also: Bugarula, 6 km N)	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 29° 04' 00" E	1500 m
Wasseige boerderij (see Wasseige farm)	Congo (Democratic Republic of the)		11° 49' 45" S 27° 20' 00" E	
Wasseige farm, near Elisabethville (see also: Ferme Wasseige, Kipushi, 15 km from, Wasseige boerderij)	Congo (Democratic Republic of the)		11° 49' 45" S 27° 20' 00" E	
Wassou (see also: Ouassou, Ouossou)	Guinea		10° 02' 00" N 13° 39' 00" W	58 m
Watamu (see also: Watamu Beach)	Kenya		3° 21' 00" S 40° 01' 00" E	0 m
Watamu Beach (see Watamu)	Kenya		3° 21' 00" S 40° 01' 00" E	0 m
Water treatment site	Kenya		0° 18' 14" N 36° 55' 31" E	
Waterberg district	South Africa			
Waterberg Game Farm	South Africa		24° 06' 59" S 28° 23' 18" E	1410 m
Waterberg Game Farm, Dassie Cave, Waterberg (see also: Dassie Cave)	South Africa		24° 07' 03" S 28° 23' 08" E	1451 m
Waterberg Plateau National Park (see Waterberg Platopark)	Namibia		20° 25' 00" S 17° 15' 00" E	
Waterberg Platopark (see also: Groot Waterberg Platopark, Waterberg Plateau National Park)	Namibia		20° 25' 00" S 17° 15' 00" E	
Waterfall	South Africa		29° 45' 00" S 30° 50' 00" E	
Waterfalls	Zimbabwe		17° 52' 52" S 31° 02' 39" E	1402 m
Waterkloof, Pretoria	South Africa		25° 46' 41" S 28° 14' 09" E	1396 m
Waterloo	Sierra Leone		8° 20' 18" N 13° 04' 19" W	39 m
Waterloo, Farm (see Farm Waterloo)	South Africa		33° 19' 26" S 26° 32' 18" E	610 m
Waterpoort	South Africa		22° 54' 00" S 29° 37' 00" E	
Waterpoort, 5 mi [=8 km] E (see Farm Bordeaux)	South Africa		22° 41' 00" S 29° 38' 00" E	
Waterpoort, 5 mi [=8 km] E (see Farm Rochdale)	South Africa		22° 54' 00" S 29° 41' 00" E	
Waterval	South Africa			
Waterval Onder, 10 mi [=16 km] NE (see Sycamore Station)	South Africa		25° 36' 00" S 30° 26' 00" E	
Waterval, Farm (see Farm Waterval), 16 mi [=26 km] SE Thabazimbi	South Africa		24° 39' 17" S 27° 12' 48" E	
Waterval, Farm (see Farm Waterval), Machadadorp	South Africa		25° 52' 30" S 30° 18' 10" E	
Waterval, Farm 747 (see Farm Waterval 747), Harrismith [Warden]	South Africa		27° 52' 30" S 29° 07' 30" E	
Wati, mount, 32 km N Arua (see also: Arua, 32 km N, Eti, mount, Mount Eti, Mount Wati, Mount Watti, Watti, mount)	Uganda		3° 13' 40" N 31° 01' 46" E	
Watti, mount (see Wati, mount), 32 km N Arua	Uganda		3° 13' 40" N 31° 01' 46" E	
Wau	South Sudan		7° 42' 00" N 28° 00' 00" E	429 m
Wau West Bridge, 4 - 5 km W (see Luvuvhu hippo pool)	South Africa		22° 25' 51" S 31° 10' 51" E	
Wau, 100 mi [=160 km] N	South Sudan			
Wau, 100 mi [=160 km] SE (see Rumbek)	South Sudan		6° 48' 00" N 29° 41' 00" E	406 m
Wau, 100 mi [=160 km] W (see Daym Zubayr)	South Sudan		7° 43' 00" N 26° 13' 00" E	609 m
Wau, 15 mi [=24 km] S (see Ngohalima)	South Sudan		7° 28' 00" N 28° 00' 00" E	
Wau, 2 mi [=3.2 km] S (see Yirol, 30 mi [=48 km] SE)	South Sudan		7° 40' 15" N 28° 00' 00" E	
Wau, 200 mi [=322 km] W (see Raga)	South Sudan		8° 28' 00" N 25° 41' 00" E	603 m
Wau, 250 km NW [318 km by road] (see Raga)	South Sudan		8° 28' 00" N 25° 41' 00" E	603 m
Wau, 3 mi S	South Sudan		7° 39' 22" N 28° 00' 00" E	
Wau, 5 mi [=8 km] SW (see Agok mango grove)	South Sudan		7° 38' 00" N 27° 56' 00" E	
Wau, 500 mi [=800 km] E (see Mundri)	South Sudan		5° 24' 00" N 30° 15' 00" E	580 m
Wau, 90 mi [=145 km] S (see Raffili)	South Sudan		6° 51' 00" N 27° 59' 00" E	463 m
Wau-Agok	South Sudan	ca.	7° 42' 00" N 28° 00' 00" E	
Waulo Mountains (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Waw	South Sudan		7° 42' 00" N 28° 00' 00" E	429 m
Waw, 100 mi [=160 km] N	South Sudan			
Wayore (see Hoja Wajeer)	Somalia		1° 14' 00" N 41° 32' 00" E	4 m
Waza (see also: Waza Lareski)	Cameroon		11° 23' 41" N 14° 34' 09" E	321 m

Waza Lareski (see Waza)	Cameroon		11° 23' 41" N 14° 34' 09" E	321 m
Waza, 35 km N	Cameroon	ca.	11° 25' 00" N 14° 34' 00" E	
WCNP, Bottelary (see Hopefield), Hopefield	South Africa		33° 04' 00" S 18° 21' 00" E	56 m
Webi	Webi			
Weenen	South Africa		28° 51' 00" S 30° 04' 00" E	858 m
Weenen Nature Reserve	South Africa		28° 51' 20" S 29° 59' 55" E	
Wei Wei River, Sigor, NE Cherangani Hills	Kenya	ca.	1° 30' 00" N 35° 30' 00" E	
Wei Wei River, NE Base	Kenya	ca.	1° 35' 00" N 35° 31' 00" E	
Weija	Ghana		5° 34' 00" N 0° 20' 00" W	74 m
Weinek, Farm (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg	South Africa		24° 47' 01" S 27° 40' 43" E	
Weißer Nil (see White Nile)	Sudan		15° 38' 00" N 32° 31' 00" E	
Weiwei River Bridge, 1.5 km S, 1.5 km E Sigor (see also: Sigor, 1.5 km S, 1.5 km E)	Kenya		1° 29' 00" N 35° 29' 00" E	1030 m
Weko Forest, NNE Yangambi	Congo (Democratic Republic of the)		1° 00' 00" N 24° 33' 00" E	
Welamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		6° 50' 00" N 37° 40' 00" E	6 700 ft
Welamo Awraja (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		6° 50' 00" N 37° 40' 00" E	6 700 ft
Welayita Awraja, between Lakes Zwai and Margherita (see also: Ualeita, Uolamo, Uollamo, Walamo, Welamo, Welamo Awraja, Wolamo)	Ethiopia		6° 50' 00" N 37° 40' 00" E	6 700 ft
Wele-Nzás province	Equatorial Guinea			
Welgedaan, Farm 292 (see Farm Welgedaan 292), 5 km NNE Christiana	South Africa		27° 42' 00" S 25° 13' 00" E	
Welgekgon, near Bethlehem	South Africa	ca.	28° 00' 00" S 28° 00' 00" E	1700 m
Welgevonden, Farm 449 (see Farm Welgevonden 449), 16 km W Steilloop(burg)	South Africa		23° 32' 00" S 28° 26' 00" E	
Welgevonden, Farm 969 (see Farm Welgevonden 969)	South Africa		29° 19' 55" S 30° 16' 39" E	
Weliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Weliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Well 45, 1 km NE, Rabi Oilfield	Gabon	ca.	1° 55' 01" S 9° 52' 59" E	
Well 59, 100 m N, Rabi Oilfield	Gabon	ca.	1° 55' 01" S 9° 52' 59" E	
Welle [river] (see Uele [river])	Congo (Democratic Republic of the)		4° 07' 11" N 22° 26' 08" E	
Wellington Village, 24 km from Freetown (see also: Freetown, 24 km)	Sierra Leone		8° 26' 55" N 13° 10' 10" W	41 m
Wello province (see Welo Kifle Hager province)	Ethiopia	ca.	11° 30' 00" N 40° 00' 00" E	
Welo Kifle Hager province (see also: Uollo province, Wallo province, Wello province, Welo province, Wollo province, Wolloo province)	Ethiopia	ca.	11° 30' 00" N 40° 00' 00" E	
Welo province (see Welo Kifle Hager province)	Ethiopia	ca.	11° 30' 00" N 40° 00' 00" E	
Welso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Weltevreden Research Station, 65 km N Vaalwater	South Africa		23° 52' 00" S 28° 09' 00" E	
Welverdien Farm 328, 17 km N, 88 km E Kaes (see also: Kaes, 17 km N, 88 km E)	Namibia		25° 42' 00" S 19° 59' 00" E	
Wembere river	Tanzania		4° 10' 00" S 34° 11' 00" E	
Wenchi	Ghana		7° 44' 00" N 2° 06' 00" W	303 m
Wenela, Kalabo	Zambia		15° 00' 00" S 22° 37' 00" E	
Wentworth	South Africa		29° 55' 20" S 30° 59' 51" E	0 m
Werder (see Warder)	Ethiopia		6° 58' 00" N 45° 20' 00" E	540 m
Wereta-Weldiya road, 7 km N, 10 km W Debre Tabor (see also: Debre Tabor, 7 km N, 10 km W)	Ethiopia		11° 55' 00" N 37° 55' 00" E	2100 m
Weru Weru River	Tanzania	ca.	3° 24' 00" S 37° 18' 00" E	
Wessex Farm Ruwa	Zimbabwe		17° 53' 27" S 31° 14' 42" E	
West Africa	West Africa			
West Bahr-al-Ghazal state (see also: Gharb Bahr al Ghazal state |PC:WB|, Western Bahar el Ghazal state |PC:WB|)	South Sudan			
West Bank	Palestine			
West Bank	South Africa		32° 52' 30" S 27° 22' 40" E	420 m
West Bank, Valley of the Kings, Tomb of Hutschepsut, near Luxor	Egypt	ca.	25° 41' 00" N 32° 39' 00" E	
West Cameroon	Cameroon			
West Coast	Madagascar			
West Coast district	South Africa			
West Coast National Park, Geelbek	South Africa			
West Coast region (see also: Western region |PC:WE|)	The Gambia			
West Darfur state (see also: Gharb Darfur state |PC:WF|)	Sudan			

West Driefontein caves, Randfontein	South Africa			
West Equatoria state	South Sudan			
(see also: Gharb al Istiwa'iyah state |PC:WE|)				
West Island (see Picard Island)	Seychelle Islands		9° 22' 00" S 46° 13' 00" E	
West Kasai (former) province (see Kasai Occidental (former) province), see Kasai or Lulua provinces	Congo (Democratic Republic of the)			
West Kilombero Scarp Forest Reserve	Tanzania		7° 49' 00" S 36° 35' 20" E	
West Kilombero Scarp Forest Reserve	Tanzania		7° 55' 00" S 36° 30' 00" E	
(see also: Ndundulu Forest)				
West Kordofan state	Sudan			
West Lake region (|PC:KG|)	Tanzania			
West Lands (see Westlands)	Kenya		1° 16' 00" S 36° 48' 00" E	1768 m
West Lunga National Park	Zambia		12° 45' 00" S 24° 45' 00" E	
(see also: Lunga, Lunga Game Reserve, Lunga Game Reserve No. 11, West Lunga National Park No. 14)				
West Lunga National Park No. 14 (see West Lunga National Park)	Zambia		12° 45' 00" S 24° 45' 00" E	
West Madi county	Uganda		3° 30' 00" N 31° 35' 00" E	
West Mengo (see Central region), North Buganda province	Uganda		0° 05' 00" N 32° 00' 00" E	
West Nicholson	Zimbabwe		21° 04' 00" S 29° 22' 00" E	819 m
West Nimba	Liberia			
West Nyanza district	Kenya	ca.	0° 30' 00" S 34° 30' 00" E	1524 m
West Nzara	South Sudan		4° 38' 00" N 28° 15' 00" E	710 m
(see also: Nzara West)				
West Pokot county	Kenya			
West Pokot district	Kenya			
West Pokot Escarpment	Kenya		1° 28' 00" N 35° 01' 00" E	1219 m
West province	Nigeria		7° 30' 00" N 4° 00' 00" E	
West Rand district	South Africa			
West Riding (see Westriding)	South Africa		29° 47' 00" S 30° 46' 00" E	
West Usambara mountains	Tanzania			
Westbrook, 81 Acacia; 2.5 ? Km NE Umhlanga	South Africa		29° 36' 00" S 31° 10' 00" E	
(see also: Umhlanga, 2.5 km NE)				
Western (former) province	Kenya			
WestePC:WB|)	South Sudan			
Western Cape province	South Africa			
Western Madagascar	Madagascar			
Western prefecture	Rwanda			
Western province	Zambia			
Western province	Sierra Leone			
Western region	Uganda			
Western region	Ghana			
WestePC:WE|)	The Gambia			
Western Shore of Lake Abaya	Ethiopia			
Western Slope of Mount Kenya (see Mount Kenya, W side)	Kenya	ca.	0° 10' 00" S 37° 20' 00" E	
Western Spur Valley	Guinea		8° 33' 26" N 8° 55' 16" W	ca. 900 m
WestePC:WH|)	South Sudan			
Westlands	Kenya		1° 16' 00" S 36° 48' 00" E	1768 m
(see also: West Lands)				
Westmead	South Africa		29° 49' 24" S 30° 49' 55" E	335 m
Weston Agricultural College	South Africa		29° 12' 45" S 30° 02' 15" E	1468 m
Westridge	South Africa		29° 51' 25" S 30° 58' 44" E	141 m
Westriding	South Africa		29° 47' 00" S 30° 46' 00" E	
(see also: West Riding)				
Westville	South Africa		29° 50' 00" S 30° 56' 00" E	
Westwood Lodge (see Westwood Ranch)	Zimbabwe		17° 55' 00" S 25° 32' 00" E	
Westwood Park Hotel	Kenya		1° 24' 00" S 36° 38' 00" E	
Westwood Ranch	Zimbabwe		17° 55' 00" S 25° 32' 00" E	
(see also: Westwood Lodge, Westwood Vlei)				
Westwood Vlei (see Westwood Ranch)	Zimbabwe		17° 55' 00" S 25° 32' 00" E	
Wete	Tanzania		5° 04' 00" S 39° 43' 00" E	0 m
(see also: Wetu)				
Wetu (see Wete)	Tanzania		5° 04' 00" S 39° 43' 00" E	0 m
Weynek, Farm (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg	South Africa		24° 47' 01" S 27° 40' 43" E	
Whedda	Benin		6° 45' 00" N 2° 28' 00" E	
Whiskey 1	Guinea		8° 32' 56" N 8° 53' 57" W	1175 m
White Hill	Lesotho		30° 03' 00" S 28° 29' 00" E	1641 m
(see also: Seapa)				
White Monastery (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
White Nile	Sudan		15° 38' 00" N 32° 31' 00" E	
(see also: Bahr de Abiad, Bahr el Abiad, Bahr-el-Abyat, Weißer Nil)				
White Nile state	Sudan			
(see also: An Nil al Abyad state |PC:WN|)				

White Umfolosi River, Zululand	South Africa		28° 19' 00" S 31° 50' 00" E	
Whittlesea, 4.0 km N, 29.0 km W (see Tsolwana Game Ranch)	South Africa		32° 09' 00" S 26° 31' 00" E	1415 m
Wiawso, Bekwai, Setwi base camp, Setwi, 16mi	Ghana		6° 27' 00" N 1° 28' 00" W	
Wikki	Nigeria		9° 46' 10" N 10° 31' 58" E	
Wilaga de l' Aures (see Batna province)	Algeria	ca.	35° 30' 00" N 5° 55' 00" E	
Wilaya d' Illizi (see Gambela)	Algeria	ca.	8° 15' 00" N 34° 35' 00" E	514 m
Wilaya de Aïn Temouchent (see Aïn Témouchent province)	Algeria	ca.	35° 20' 00" N 1° 05' 00" W	
Wilaya de Batna (see Batna province)	Algeria	ca.	35° 30' 00" N 5° 55' 00" E	
Wilaya de Blida (see Blida province)	Algeria	ca.	36° 35' 00" N 3° 00' 00" E	
Wilaya de Naama (see Naâma province)	Algeria	ca.	33° 30' 00" N 0° 50' 00" W	
Wilaya de Ouargla (see Ouargla province)	Algeria	ca.	30° 30' 00" N 6° 10' 00" E	
Wilaya de Skikda (see Skikda province)	Algeria	ca.	36° 45' 00" N 6° 50' 00" E	
Wilaya de Tamanghasset (see Tamanrasset province)	Algeria	ca.	23° 45' 00" N 4° 40' 00" E	
Wilaya de Tamanrasset (see Tamanrasset province)	Algeria	ca.	23° 45' 00" N 4° 40' 00" E	
Wilayat Fazzan (see Fezzan)	Libya		16° 00' 00" N 14° 00' 00" E	
Wild Ass, Cataract of the (see Fifth cataract of the Nile)	Sudan		18° 23' 00" N 33° 47' 00" E	
Wildeharthoek, Pretoria	South Africa		25° 44' 00" S 28° 11' 00" E	
Wildernis, 1 km N, 3 km E (see Ebb-And-Flow)	South Africa		33° 59' 00" S 22° 36' 00" E	30 m
Wildwood Sanctuary, Vumba	Zimbabwe	ca.	19° 05' 00" S 32° 45' 00" E	
Wilhelmstal, 47 km S (see Farm Okandukaseibe 27)	Namibia		21° 33' 00" S 16° 06' 00" E	
Wilibadi river	Congo (Democratic Republic of the)		3° 55' 00" N 29° 08' 00" E	
Wilindi Forest	Malawi		9° 42' 00" S 33° 29' 00" E	1900 m
Willem Pretorius Game Reserve (see Ventersburg)	South Africa		28° 18' 00" S 27° 10' 00" E	
Willem Pretorius-Wildtuin	South Africa		28° 18' 00" S 27° 10' 00" E	
Willempretoriuswildtuin (see Ventersburg)	South Africa		28° 18' 00" S 27° 10' 00" E	
Williston, 18.2 km S, 38.7 km W (see Farm Gouna)	South Africa		31° 32' 16" S 203° 29' 09" E	3600 ft
Willow Park, Esigodini	Zimbabwe		20° 22' 30" S 28° 52' 30" E	
Willowmore,12 mi [=19 km] N (see Farm Brakfontein)	South Africa		33° 08' 00" S 23° 25' 00" E	
Wilro Park, Roodepoort	South Africa		26° 06' 47" S 27° 51' 06" E	ca. 1691 m
Wilson (see Moroni, 9.2 km SE), along Mroni Koki River	Comoro Islands		12° 09' 20" S 44° 26' 14" E	343 m
Wilson, 2.1 km SE (see Patsi, Mlima (hill), near)	Comoro Islands		12° 11' 10" S 44° 29' 00" E	690 m
Win Timdouine cave, near Agadir (see also: Grotte Win Timdouine, Wintimdouine cave)	Morocco		30° 40' 49" N 9° 20' 42" W	
Winam (see Kisumu)	Kenya		0° 06' 00" S 34° 45' 00" E	1131 m
Winam Gulf (see also: Kavirondo Bay, Kavirondo Gulf)	Kenya		0° 15' 00" S 34° 35' 00" E	
Winburg (see also: Farm 576 (Merrimietzie), Farm 590 (Van Soelenshoek), Farm Merrimietzie 576, Farm Van Soelenshoek 590, Merrimietzie, Farm 576, Van Soelenshoek, Farm 590)	South Africa		28° 32' 00" S 27° 01' 00" E	1494 m
Windermere	South Africa		29° 49' 50" S 31° 01' 09" E	
Windhoek (see also: Windhuk)	Namibia		22° 34' 12" S 17° 05' 01" E	1721 m
Windhoek district	Namibia			
Windhoek Hoerskloof	Namibia		22° 37' 30" S 17° 07' 30" E	
Windhoek, 12 mi [=19 km] E (see Farm Finkenstein)	Namibia		22° 33' 06" S 17° 14' 47" E	
Windhoek, 30 km N, 68 km E (see Okatumba SA197 [Farmstead])	Namibia		22° 19' 00" S 17° 40' 00" E	
Windhoek, 33 km N, 74 km E (see Otjihua 180 (farmstead))	Namibia		22° 06' 00" S 17° 55' 00" E	
Windhoek, 33 km N, 74 km E (see Otjihua 182)	Namibia		22° 06' 00" S 17° 55' 00" E	
Windhoek, 33 km N, 74 km E (see Otjihua 185)	Namibia		22° 06' 00" S 17° 55' 00" E	
Windhoek, 47 mi [=75 km] E (see Farm Hohewarte)	Namibia		22° 38' 29" S 17° 24' 30" E	
Windhoek, 80 mi [=129 km] E (see Farm Arnhem)	Namibia		22° 41' 00" S 18° 08' 00" E	1500 m
Windhuk (see Windhoek)	Namibia		22° 34' 12" S 17° 05' 01" E	1721 m
Windoek, 30 km N, 68 km E	Namibia	ca.	22° 06' 00" S 17° 55' 00" E	
Windpoort Farm 428 (see Farm Windpoort 428)	Namibia		19° 21' 29" S 15° 29' 02" E	
Winkelspruit	South Africa		30° 06' 15" S 30° 51' 09" E	
Winneba (see also: Simpa, Winnebah)	Ghana		5° 20' 00" N 0° 37' 00" W	0 m
Winnebah (see Winneba)	Ghana		5° 20' 00" N 0° 37' 00" W	0 m
Winterton	South Africa		28° 48' 00" S 29° 32' 00" E	966 m
Wintimdouine cave (see Win Timdouine cave)	Morocco		30° 40' 49" N 9° 20' 42" W	
Wipanga, 0.5 km N, 4 km E (see Mbizi Forest Reserve)	Tanzania		7° 52' 00" S 31° 40' 00" E	2200 m
Wiru (see Bwiru)	Tanzania		2° 28' 16" S 32° 53' 13" E	
Witels Forest Reserve, 5.0 km S, 15.5 km W Kareedouw (see also: Kareedouw, 5.0 km S, 15.5 km W)	South Africa		33° 59' 47" S 24° 07' 37" E	240 m
Witkhyk (see Farm Uitkyk)	South Africa		26° 05' 00" S 27° 46' 00" E	
Witklipfontein, Farm 519 (see Farm Witklipfontein 519), Vredefort	South Africa		26° 56' 00" S 27° 15' 00" E	
Witpoort, Farm 419 (see Farm Witpoort 419), 24 km E Potchefstroom	South Africa		26° 39' 00" S 27° 20' 00" E	
Witrivier, 11 mi [=17.7 km] W	South Africa		25° 18' 00" S 31° 03' 00" E	

Witrivier, 11 mi W	South Africa		25° 18' 00" S 31° 03' 00" E	
Witsand Dam (see Maditobe Dam), Mahogany Drive	South Africa		22° 41' 00" S 31° 02' 00" E	
Witu	Kenya		2° 23' 26" S 40° 27' 11" E	17 m
Witu Forest (see also: Utwani Forest Reserve)	Kenya		2° 21' 34" S 40° 31' 27" E	100 ft
Witvlei, 40 mi [=64 km] W Gobabis (see also: Gobabis, 40 mi [=64 km] W, Witvley)	Namibia		22° 24' 00" S 18° 29' 00" E	1250 m
Witvley (see Witvlei), 40 mi [=64 km] W Gobabis	Namibia		22° 24' 00" S 18° 30' 00" E	1250 m
Witwater, 25 mi [=40 km] E (see Orrelgat cave)	South Africa		30° 15' 00" S 18° 26' 00" E	975 m
Witwater, 25 mi [=40 km] W	South Africa	ca.	29° 31' 15" S 17° 34' 31" E	
Witwatersberg (see Farm Hekpoort), Thambazimbi	South Africa		24° 44' 00" S 27° 37' 00" E	
Witwatersrand	Namibia			
Witwatersrand, Langlaagte, Johannesburg	South Africa		26° 13' 00" S 27° 58' 00" E	
Wli Afegame, Agumatsa River	Ghana		7° 08' 00" N 0° 35' 00" E	415 m
Wli Waterfall, Agumatsa River, near Afegame	Ghana	ca.	7° 08' 00" N 0° 35' 00" E	
WNLA Dam, 1 km N Nwanetzi Camp	South Africa		24° 27' 00" S 31° 58' 00" E	
WNLA Garden (Crooks Corner) (see W.N.L.A.)	South Africa		22° 24' 10" S 31° 15' 12" E	
WNLA HQ	South Africa	ca.	22° 25' 00" S 31° 18' 00" E	
Wolamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		6° 50' 00" N 37° 40' 00" E	6 700 ft
Woleu-Ntem province	Gabon			
Woliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Wolisso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Wolliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		8° 32' 00" N 37° 59' 00" E	2062 m
Wollo province (see Welo Kifle Hager province)	Ethiopia	ca.	11° 30' 00" N 40° 00' 00" E	
Wolloo province (see Welo Kifle Hager province)	Ethiopia	ca.	11° 30' 00" N 40° 00' 00" E	
Wologisi Range (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologisi Wutuvi (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologizi mountain range (see also: Kpandemai Mountains, Walo Mountains, Waulo Mountains, Wologisi Range, Wologisi Wutuvi, Wologizi Range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologizi Range (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wolvegatten, Pretoria	South Africa		25° 44' 00" S 28° 11' 00" E	
Wolwespruit Nature Reserve, Wolmaranstad	South Africa		27° 25' 00" S 26° 19' 50" E	
Wonder Mine (see also: Wondermine)	South Africa		27° 28' 07" S 31° 15' 02" E	
Wonderboom, Pretoria (see also: Wonderboom cave)	South Africa		25° 48' 00" S 28° 53' 00" E	1425 m
Wonderboom cave (see Wonderboom), Pretoria	South Africa		25° 48' 00" S 28° 53' 00" E	1425 m
Wonderfontein Cave (see Farm Wonderfontein 103IQ), Caltonville	South Africa		26° 18' 00" S 27° 24' 00" E	
Wonderfontein, Farm (see Farm Wonderfontein), 48 km E Middelburg	South Africa		25° 50' 00" S 29° 55' 00" E	
Wonderfontein, Farm 103IQ (see Farm Wonderfontein 103IQ), Caltonville / Potchefstroom	South Africa		26° 18' 00" S 27° 24' 00" E	
Wonderhoek se kloof (see Golden Gate Highlands National Park)	South Africa		28° 31' 00" S 28° 37' 00" E	
Wonderkop Nature Reserve, 20 km N Potgietersrus (see also: Potgietersrus, 20 km N)	South Africa		23° 12' 50" S 28° 39' 30" E	
Wondermine (see Wonder Mine)	South Africa		27° 28' 07" S 31° 15' 02" E	
Wonderwerk Cave, 58 km S Kuruman (see also: Kuruman, 58 km S)	South Africa		27° 49' 00" S 23° 35' 00" E	
Woodbush	Woodbush			
Woodstock, Farm (see Farm Woodstock), 11 km SW Kuruman	South Africa		27° 34' 00" S 23° 24' 00" E	
Woqooyi Galbeed region	Somalia			
Wora Wora (see Worawora)	Ghana		7° 31' 00" N 0° 22' 00" E	217 m
Worawora (see also: Wora Wora)	Ghana		7° 31' 00" N 0° 22' 00" E	217 m
Worcester, Berg River	South Africa		33° 52' 00" S 19° 07' 00" E	
World's View, Pietermartizburg	South Africa		29° 36' 00" S 30° 30' 00" E	1070 m
Woroba district	Côte d'Ivoire			
Worodougou region	Côte d'Ivoire			
Wreppoosta	Liberia			
Wreputa (see also: Repota, Reppo Town, Reppo's Town, Reputa)	Liberia		6° 46' 00" N 10° 03' 00" W	144 m
Wudu Market	South Sudan		3° 50' 54" N 31° 39' 28" E	952 m
Wulasi (see also: Voulkhé-Sokhani , Wulehe Sokhani, Wulehe-Sochani, Wulenchi , Wulensi , Wulentschi , Wuleschi)	Ghana		8° 39' 18" N 0° 00' 05" W	

Wulehe Sokhani (see Wulasi)	Ghana		8° 39' 18" N 0° 00' 05" W	
Wulehe-Sochani (see Wulasi)	Ghana		8° 39' 18" N 0° 00' 05" W	
Wulenchi (see Wulasi)	Ghana		8° 39' 18" N 0° 00' 05" W	
Wulensi (see Wulasi)	Ghana		8° 39' 18" N 0° 00' 05" W	
Wulentschi (see Wulasi)	Ghana		8° 39' 18" N 0° 00' 05" W	
Wuleschi (see Wulasi)	Ghana		8° 39' 18" N 0° 00' 05" W	
Wundanyi, 4.25 km N, 1.75 km W (see Ngangao forest)	Kenya		3° 22' 00" S 38° 20' 00" E	
Wundanyi, 4.5 km N, 1.75 km W (see Ngangas Forest)	Kenya		3° 22' 00" S 38° 21' 00" E	1798 m
Wusikili Bridge, Kitwe	Zambia		12° 51' 00" S 28° 13' 00" E	
Wyldesdale Gold Mine (see Wylesdale Gold Mine)	Swaziland		25° 49' 00" S 31° 17' 00" E	542 m
Wylesdale Gold Mine, in old mine drive (see also: Wyldesdale Gold Mine)	Swaziland		25° 49' 00" S 31° 17' 00" E	542 m
Wynberg, Cape Town (see also: Wynberg cave)	South Africa		34° 00' 00" S 18° 28' 00" E	84 m
Wynberg cave (see Wynberg), Cape Town	South Africa		34° 01' 00" S 18° 28' 00" E	
Xa Cassai (see Elias Garcia), 150 km SSE Dundo	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Xá Cassau (see Elias Garcia), 150 km SSE Dundo	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Xai-Xai, Maputo, 200 km N (see also: Chai Chai, Joa Belo, João Belo, Shai-Shai, Vila de João Belo, Vila-João-Belo)	Mozambique		25° 03' 07" S 33° 38' 39" E	9 m
Xamar (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Xanadu Farm, Drummond	South Africa	ca.	29° 45' 42" S 30° 41' 37" E	
Xauen (see Chefchaoune), Rif	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Xerafat, Caf Muley Abdelkader	Morocco	ca.	35° 04' 45" N 5° 19' 43" W	
Xexauen (see Chefchaoune), Rif	Morocco		35° 10' 17" N 5° 16' 11" W	564 m
Xhariep district	South Africa			
Xhora (see Elliotdale)	South Africa		31° 58' 00" S 28° 41' 00" E	534 m
Xhubuxnap [farmstead], Kakamas, 56 km WNW	South Africa		28° 28' 00" S 20° 07' 00" E	
Xingomeni (see Shingomeni Out Post)	South Africa		22° 53' 45" S 31° 24' 19" E	
Xingwedzi Rest Camp (see Shingwidzi)	South Africa		23° 06' 32" S 31° 26' 10" E	
Xinkelengane stream, N'Wanetsi section	South Africa		24° 14' 46" S 31° 55' 46" E	
Xirhombe Pan (see also: Shirhombe Pan)	South Africa		22° 42' 47" S 31° 22' 51" E	
Xirimantanga	South Africa		25° 06' 24" S 31° 35' 42" E	
Xitangeni Windmill, Vlakteplaas section	South Africa		22° 49' 38" S 31° 14' 25" E	
Xixengendzini road, Ngandyana Stream	South Africa		24° 43' 25" S 31° 58' 38" E	
Xugana	Botswana		19° 05' 00" S 23° 06' 00" E	975 m
Xugana, 13 mi [=21 km] N	Botswana		18° 57' 00" S 22° 52' 59" E	975 m
Yabalo, 25 km N (see Yabelo, 25 km N)	Ethiopia		5° 03' 00" N 38° 12' 00" E	
Yabanda-Mpoko	Central African Republic		7° 00' 00" N 17° 50' 00" E	
Yabasi (see Yabassi)	Cameroon		4° 27' 16" N 9° 57' 56" E	16 m
Yabassi (see also: Jabassi, Yabasi, Yabazi)	Cameroon		4° 27' 16" N 9° 57' 56" E	16 m
Yabazi (see Yabassi)	Cameroon		4° 27' 16" N 9° 57' 56" E	16 m
Yabelo, 25 km N (see also: Iavello, 25 km N, Yabalo, 25 km N, Yavello, 25 km N, Yavelo, 25 km N, Yeabelo, 25 km N)	Ethiopia		5° 03' 00" N 38° 12' 00" E	
Yabiraso (see Yabraso)	Ghana		7° 34' 00" N 1° 11' 00" W	152 m
Yabraso (see also: Yabiraso, Yabraso Number 1)	Ghana		7° 34' 00" N 1° 11' 00" W	152 m
Yabraso Number 1 (see Yabraso)	Ghana		7° 34' 00" N 1° 11' 00" W	152 m
Yabrasso	Côte d'Ivoire		7° 26' 00" N 3° 29' 00" W	151 m
Yaekela	Congo (Democratic Republic of the)		0° 48' 12" N 24° 17' 39" E	508 m
Yaengo	Congo (Democratic Republic of the)		0° 20' 56" N 24° 28' 55" E	400 m
Yafran-Jadu municipality	Libya			
Yagha province	Burkina Faso			
Yagoua (see also: Jágua, Yagua)	Cameroon		10° 20' 34" N 15° 14' 26" E	313 m
Yagoua or Waza	Cameroon	ca.	11° 00' 00" N 15° 00' 00" E	
Yagua (see Yagoua)	Cameroon		10° 20' 34" N 15° 14' 26" E	313 m
Yahama (see Yama)	Côte d'Ivoire		9° 36' 02" N 6° 18' 38" W	430 m
Yakubuku (see Yakuluku)	Congo (Democratic Republic of the)		4° 20' 00" N 28° 48' 00" E	697 m
Yakuluku (see also: Yakubuku)	Congo (Democratic Republic of the)		4° 20' 00" N 28° 48' 00" E	697 m
Yala River (1)	Kenya		0° 04' 00" N 34° 09' 00" E	
Yala river (2)	Kenya		0° 06' 00" N 34° 32' 00" E	
Yalokele	Congo (Democratic Republic of the)		0° 39' 44" S 22° 47' 53" E	443 m
Yalosemba (see also: Yalosembe, Yalosombo)	Congo (Democratic Republic of the)		2° 35' 00" N 21° 47' 00" E	422 m

Yalosembe (see Yalosemba)	Congo (Democratic Republic of the)		2° 35' 00" N 21° 47' 00" E	422 m
Yalosombo (see Yalosemba)	Congo (Democratic Republic of the)		2° 35' 00" N 21° 47' 00" E	422 m
Yalusaka	Congo (Democratic Republic of the)		1° 05' 00" S 22° 58' 00" E	420 m
Yama (see also: Yahama)	Côte d'Ivoire		9° 36' 02" N 6° 18' 38" W	430 m
Yamazo Yamono	Congo (Democratic Republic of the)		2° 34' 30" N 21° 47' 07" E	
Yambasa (see Yambata)	Congo (Democratic Republic of the)		2° 26' 00" N 21° 58' 00" E	414 m
Yambata (see also: Yambasa)	Congo (Democratic Republic of the)		2° 26' 00" N 21° 58' 00" E	414 m
Yambio	South Sudan		4° 34' 14" N 28° 24' 59" E	619 m
Yambio county	South Sudan			
Yambio, 50 mi [=80 km] WNW (see Bangangai forest)	South Sudan		4° 51' 00" N 27° 45' 00" E	730 m
Yambio, FFI complext (see Yambio, Flora & Fauna International complex)	South Sudan		4° 34' 41" N 28° 22' 58" E	669 m
Yambio, Flora & Fauna International complex (see also: Yambio, FFI complext)	South Sudan		4° 34' 41" N 28° 22' 58" E	669 m
Yambio, Wildlife officer compound	South Sudan		4° 34' 15" N 28° 23' 55" E	652 m
Yambombo	Congo (Democratic Republic of the)		2° 34' 30" N 21° 47' 07" E	
Yambur (see Jambur)	The Gambia		13° 18' 56" N 16° 42' 06" W	
Yamoussoukro district	Côte d'Ivoire			
Yamoussoukro region	Côte d'Ivoire			
Yanfori, near Dukwa	Ghana		5° 59' 00" N 1° 45' 00" W	
Yangambi	Congo (Democratic Republic of the)		0° 47' 00" N 24° 28' 00" E	437 m
Yangambi division forest	Congo (Democratic Republic of the)		0° 47' 00" N 24° 24' 00" E	
Yankari	Nigeria		9° 36' 00" N 10° 40' 00" E	276 m
Yankari Game Reserve	Nigeria		9° 45' 00" N 10° 30' 00" E	
Yankari Game Reserve, 12 km from (see Futuk)	Nigeria	ca.	9° 45' 00" N 10° 30' 00" E	
Yaosuka	Congo (Democratic Republic of the)		0° 45' 00" N 24° 29' 00" E	
Yaoundé (see also: Jaúnde, Yaounde)	Cameroon		3° 52' 00" N 11° 31' 00" E	726 m
Yaounde (see Yaoundé)	Cameroon		3° 52' 00" N 11° 31' 00" E	
Yaounde station melen 5	Cameroon		3° 51' 00" N 11° 31' 00" E	
Yaoundé station melen 5	Cameroon		3° 51' 00" N 11° 31' 00" E	
Yaoundé, 150 km from, on Yoko road	Cameroon	ca.	4° 55' 00" N 12° 00' 00" E	
Yaoundé, 16 km S, 2 km E	Cameroon		3° 43' 00" N 11° 32' 00" E	
Yaoundé, 23 km S, 1 km E	Cameroon		3° 40' 00" N 11° 32' 00" E	
Yaoundé, 25 km S 3 km E	Cameroon		3° 35' 00" N 11° 33' 00" E	
Yaounde, 60 km W	Cameroon		3° 15' 00" N 11° 48' 00" E	
Yaoundé, 60 km W, on Ayos road (see Mvoutési II)	Cameroon		3° 15' 00" N 11° 48' 00" E	
Yaoundé, 7 km S, 8 km W	Cameroon		3° 48' 00" N 11° 27' 00" E	
Yaoundé, 9 km S, 10 km W	Cameroon		3° 47' 00" N 11° 25' 00" E	
Yaoundé, due S	Cameroon		3° 52' 00" N 11° 31' 00" E	2500 ft
Yapo Kra (see also: Japo Sud, Yapo Sud, Yapo-Sud)	Côte d'Ivoire		5° 49' 00" N 4° 08' 00" W	74 m
Yapo Sud (see Yapo Kra)	Côte d'Ivoire		5° 49' 00" N 4° 08' 00" W	74 m
Yapo-Sud (see Yapo Kra)	Côte d'Ivoire		5° 49' 00" N 4° 08' 00" W	74 m
Yatacounda (see Diattakounda)	Senegal		12° 34' 11" N 15° 41' 03" W	32 m
Yatakou (see Diattakounda)	Senegal		12° 34' 11" N 15° 41' 03" W	32 m
Yatakounda (see Diattakounda)	Senegal		12° 34' 11" N 15° 41' 03" W	32 m
Yatakunda (see Diattakounda)	Senegal		12° 34' 11" N 15° 41' 03" W	32 m
Yatenga province	Burkina Faso			
Yatolema	Congo (Democratic Republic of the)		0° 21' 22" N 24° 31' 09" E	508 m
Yatter	Kenya		2° 18' 00" S 38° 13' 00" E	
Yau, Yobe river [near lake Chad] (see also: Yo)	Nigeria		13° 33' 00" N 13° 14' 00" E	288 m
Yavello, 25 km N (see Yabelo, 25 km N)	Ethiopia		5° 03' 00" N 38° 12' 00" E	
Yavelo, 25 km N (see Yabelo, 25 km N)	Ethiopia		5° 03' 00" N 38° 12' 00" E	
Yayama	Congo (Democratic Republic of the)		1° 16' 00" S 23° 07' 00" E	456 m
Ydé	Cameroon			
Yeabelo, 25 km N (see Yabelo, 25 km N)	Ethiopia		5° 03' 00" N 38° 12' 00" E	
Yebel Tisuca (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Yebel Tisuja (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Yega Town (see Sweaken)	Liberia		5° 23' 04" N 7° 57' 07" W	303 m
Yei (see also: Yey)	South Sudan		4° 05' 29" N 30° 40' 43" E	830 m

Yekepa (see New Yekepa)	Liberia		7° 34' 46" N 8° 32' 16" W	584 m
Yekepa, near	Liberia	ca.	7° 34' 46" N 8° 32' 16" W	
Yele Island, off Sherbro island	Sierra Leone		7° 34' 54" N 12° 58' 48" W	
Yellow Wood Park (see also: Yellowwood Park)	South Africa	ca.	29° 54' 57" S 30° 56' 18" E	118 m
Yellowwood Park (see Yellow Wood Park)	South Africa	ca.	29° 54' 00" S 30° 55' 00" E	118 m
Yelwa	Nigeria		7° 04' 00" N 11° 05' 00" E	1500 m
Yema (see Yema Mayombe)	Congo (Democratic Republic of the)		5° 45' 00" S 12° 17' 00" E	18 m
Yema Mayombe (see also: Yema)	Congo (Democratic Republic of the)		5° 45' 00" S 12° 17' 00" E	18 m
Yemen	Yemen			
Yen, Río Bicaba, Evinayong	Equatorial Guinea		1° 42' 57" N 10° 09' 13" E	341 m
Yengema	Sierra Leone		7° 49' 34" N 12° 00' 55" W	55 m
Yengewa, 0.5 mi [=0.8 km] E	Sierra Leone		7° 49' 00" N 12° 01' 00" W	
Yengüe, on Río Campo/Río Ntem	Equatorial Guinea		2° 13' 00" N 9° 53' 00" E	65 m
yeRudolf Bahir (see Turkana, lake)	Kenya		3° 30' 00" N 36° 00' 00" E	
Yey (see Yei)	South Sudan		4° 05' 29" N 30° 40' 43" E	830 m
Yile Island, off Sherbro island	Sierra Leone		7° 34' 54" N 12° 58' 48" W	
Yirol	South Sudan		6° 33' 24" N 30° 30' 13" E	438 m
Yirol district	South Sudan	ca.	6° 33' 24" N 30° 30' 13" E	ca. 3000 ft
Yirol, 30 mi [=48 km] SE (see Ngop) (see also: Wau, 2 mi [=3.2 km] S)	South Sudan		6° 15' 51" N 30° 11' 35" E	
Yiti river	Liberia		7° 29' 00" N 8° 35' 00" W	
Yo (see Yau), Yobe river [near lake Chad]	Nigeria		13° 33' 00" N 13° 14' 00" E	288 m
Yobe state	Nigeria			
Yogorania (see Kolenté)	Guinea		10° 06' 00" N 12° 37' 00" W	148 m
Yogoronia (see Kolenté)	Guinea		10° 06' 00" N 12° 37' 00" W	148 m
Yokadouma, near	Cameroon		3° 31' 00" N 15° 03' 00" E	
Yokamba Elongo	Congo (Democratic Republic of the)		0° 01' 00" N 22° 17' 00" E	429 m
Yoko	Congo (Democratic Republic of the)		0° 17' 00" N 25° 17' 00" E	
Yoko, 15 km S	Cameroon	ca.	5° 32' 00" N 12° 19' 00" E	
Yoko, 34 km S (see also: Joko, 34 km S)	Cameroon		5° 31' 00" N 12° 18' 00" E	
Yoko, 5 km from	Cameroon	ca.	5° 32' 00" N 12° 19' 00" E	
Yoko, 5 km S	Cameroon		5° 28' 00" N 12° 20' 00" E	
Yola, N Nigeria	Nigeria			
Yolohotiri cave (see also: Grotte de Yolohotiri, Yolohotiri grot)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	
Yolohotiri grot (see Yolohotiri cave)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	
Yolokafiri, near Mount Hoyo (see also: Jolohafiri)	Congo (Democratic Republic of the)		1° 20' 00" N 29° 50' 00" E	1030 m
Yomou prefecture	Guinea	ca.	7° 30' 00" N 9° 10' 00" W	
Yonoféré (see also: Yoroforé)	Senegal		15° 15' 57" N 14° 27' 40" W	15 m
York	Sierra Leone		8° 17' 08" N 13° 10' 48" W	0 m
Yoroforé (see Yonoféré)	Senegal		15° 15' 57" N 14° 27' 40" W	15 m
Yoruba	Nigeria		8° 00' 00" N 4° 30' 00" E	
Yotwata (see Wadi Araba), 40 km N Eilat	Israel		29° 51' 00" N 35° 04' 00" E	
Ysterfontein [Farmstead]	South Africa		33° 20' 00" S 18° 09' 00" E	10 m
Yumbe, Nile province, West Nile dist.	Uganda		3° 26' 47" N 31° 16' 13" E	903 m
Yumbe district	Uganda			
Zaghouan governorate	Tunisia			
Zaghouan, 1 km E on MC 133, 1 km S of highway (see Sidi Tayeaa, mine)	Tunisia		36° 22' 30" N 10° 10' 10" E	
Zaghouan, 3 km S, mine, on road from Ain Ayed	Tunisia		36° 19' 51" N 10° 08' 25" E	
Zagora prefecture	Morocco			
Zaire province	Angola			
Zakbayeme (see Sakbayémé), on Sanaga River	Cameroon		4° 02' 00" N 10° 34' 00" E	141 m
Zalingei (see also: Zalinje)	Sudan		12° 54' 00" N 23° 29' 00" E	986 m
Zalinje (see Zalingei)	Sudan		12° 54' 00" N 23° 29' 00" E	986 m
Zalite (see La Galite, island), Galita Archipelago	Tunisia		37° 31' 34" N 8° 55' 44" E	
Zamah (see Zomai)	Liberia		7° 36' 56" N 9° 37' 53" W	303 m
ZambePC:ZA|)	Mozambique			
Zambesi-Chewore junction (see Zambezi-Cherowe Junction)	Zimbabwe		15° 38' 00" S 29° 54' 00" E	
Zambesidal, Matabeleland	Zimbabwe	ca.	19° 00' 00" S 27° 00' 00" E	
Zambezi (see also: Balovale)	Zambia		13° 33' 00" S 23° 07' 00" E	1090 m
Zambezi Farm, confluence of Kafue and Zambezi rivers, near Chirundu	Zambia	ca.	15° 56' 30" S 28° 54' 45" E	
Zambezi rapids, Ikelempe	Zambia		10° 59' 00" S 24° 02' 00" E	

Zambezi region (see also: Caprivi region |PC:CA|)	Namibia			
Zambezi River, Balovale	Zambia		13° 33' 00" S 23° 07' 00" E	
Zambezi, upper	Zambezi, upper			
Zambézia province (see also: Zambesia province |PC:ZA|)	Mozambique			
Zambezi-Cherowe Junction (see also: Zambesi-Chewore junction)	Zimbabwe		15° 38' 00" S 29° 54' 00" E	
Zambi	Congo (Democratic Republic of the)		5° 51' 00" S 12° 52' 00" E	
Zambia	Zambia			
Zambia or Zimbabwe	Zambia or Zimbabwe			
Zamfara state	Nigeria			
Zami, intermittent stream (see also: Zamia)	Chad	ca.	7° 45' 00" N 15° 49' 00" E	
Zamia (see Zami, intermittent stream)	Chad	ca.	7° 45' 00" N 15° 49' 00" E	
Zamia, near	Chad			
Zanari	Tanzania		1° 31' 00" S 33° 48' 00" E	1134 m
Zandspruit Caves (see Gatkop cave), 24 km E Thabazimbi	South Africa		24° 37' 05" S 27° 39' 08" E	
Zandspruit, Farm 449KQ (see Gatkop cave)	South Africa		24° 37' 05" S 27° 39' 08" E	
Zanguébar (see Zanzibar)	Tanzania		6° 10' 00" S 39° 20' 00" E	
Zanrivier, Farm (see Farm Zanrivier), NW Warmbaths	South Africa		24° 39' 00" S 28° 02' 00" E	
Zanzan (former) region	Côte d'Ivoire			
Zanzan district	Côte d'Ivoire			
Zanzibar (see also: Unguja island, Zanguébar)	Tanzania		6° 10' 00" S 39° 20' 00" E	
Zanzibar North region (see also: Kaskazini-Unguja region |PC:ZN|)	Tanzania			
Zanzibar South and Central region (see also: Kusini-Unguja region |PC:ZS|)	Tanzania			
Zanzibar Town	Tanzania		6° 09' 57" S 39° 11' 39" E	
Zanzibar Town, 36 mi [=58 km] S	Tanzania		6° 25' 00" S 39° 30' 00" E	
Zanzibar West region (see also: Mjini-Magharibi region |PC:ZW|)	Tanzania			
Zanzibar, W coase	Tanzania	ca.	6° 09' 57" S 39° 11' 39" E	
Zaouia Assa (see Assa)	Morocco		28° 36' 00" N 9° 25' 12" W	294 m
Zaraninge-Kiano forest reserve (see Kiono-Zaraninge Forest Reserve), SW Sadani	Tanzania	ca.	6° 08' 00" S 38° 36' 00" E	
Zaria, Samaru stream	Nigeria		11° 04' 00" N 7° 42' 00" E	671 m
Zaria province	Nigeria			
Zaria, 15 mi [=24 km] NW	Nigeria	ca.	11° 01' 00" N 7° 44' 00" E	
Zaria, 5 mi [=8 km] NW	Nigeria	ca.	11° 01' 00" N 7° 44' 00" E	
Zaria, 7 mi [=11.3 km] NW	Nigeria	ca.	11° 01' 00" N 7° 44' 00" E	
Zaria, north central, Samanu	Nigeria			
Zaribah (see Wadi Zriba), near Zaghouan	Tunisia		36° 20' 22" N 10° 15' 08" E	
Zastron (see also: Butata, Farm 210, Elandsberg, Farm 198, Farm 198 (Elandsberg), Farm 210 (Butata), Farm 392 (Kranskop), Farm Butata 210, Farm Elandsberg 198, Farm Kranskop 392, Kranskop, Farm 392, Zastron Commons)	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Zastron Commonage (see Zastron Commons)	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Zastron Commons (see Zastron) (see also: Zastron Commonage)	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Zauia el Beda (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Zawan, 2 mi [=3.2 km] S Jos	Nigeria		9° 45' 18" N 8° 52' 29" E	1276 m
Zawiat al-Baida (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
ZawiyPC:ZA|)	Libya			
Zawiyat al Bay?a' (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Zawiyat el-Be?a' (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Zawiyat Umm ar Rakham (see also: Zawiyet Umm el Rakham, Zâwyet Umm el Rakham)	Egypt		31° 24' 00" N 27° 03' 00" E	5 m
Zawiyet Umm el Rakham (see Zawiyat Umm ar Rakham)	Egypt		31° 24' 00" N 27° 03' 00" E	5 m
Zawyet Umm El Rakham (island), 0.5 mi [=0.8 km], 15 mi NW Mersa Matruh (see also: Mersa Matruh, 15 mi [=24 km] NW)	Egypt		31° 24' 00" N 27° 03' 00" E	
Zâwyet Umm el Rakham (see Zawiyat Umm ar Rakham)	Egypt		31° 24' 00" N 27° 03' 00" E	5 m
Zayla (see Saylac)	Somalia		11° 21' 14" N 43° 28' 26" E	5 m
Zazafotsy	Madagascar		22° 12' 20" S 46° 21' 40" E	
Zébé (see Zegban)	Côte d'Ivoire		5° 09' 49" N 5° 35' 20" W	
Zebediela (see also: Zebediela Estates, Zebedielo, Zebedula)	South Africa		24° 16' 00" S 29° 17' 00" E	1166 m
Zebediela Estates (see Zebediela)	South Africa		24° 16' 00" S 29° 17' 00" E	1166 m
Zebedielo (see Zebediela)	South Africa		24° 16' 00" S 29° 17' 00" E	1166 m

Zebedula (see Zebediela)	South Africa		24° 16' 00" S 29° 17' 00" E	1166 m
Zedee lake (see Lac Zedee)	Gabon			
Zeekoegats Drift, Farm (see Farm Zeekoegats Drift), Ladismith, SW	South Africa		33° 37' 00" S 21° 37' 00" E	380 m
Zeerust, 20 mi [=32 km] NE (see Kleinfontein)	South Africa		25° 25' 00" S 26° 20' 00" E	
Zeerust, 9 km N (see Farm Rykvoorby 96)	South Africa		25° 29' 00" S 26° 04' 00" E	
Zega (see Zeya)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 44' 00" E	650 m
Zegban (see also: Zébé, Zegbé)	Côte d'Ivoire		5° 09' 49" N 5° 35' 20" W	
Zegbé (see Zegban)	Côte d'Ivoire		5° 09' 49" N 5° 35' 20" W	
Zegzel cave (see also: Grotte de Zegzel)	Morocco		34° 55' 16" N 2° 19' 46" W	
Zehana (see Utica ruins)	Tunisia		37° 03' 26" N 10° 03' 46" E	
Zeila (see Saylac)	Somalia		11° 21' 14" N 43° 28' 26" E	5 m
Zele convent (see Izele (Farmstead))	South Africa		32° 49' 00" S 27° 24' 00" E	450 m
Zelu, 3 mi [=4.8 km] W	Botswana	ca.	22° 10' 12" S 29° 12' 00" E	
Zemaiwi Cave (see Bashungwe Cave), Chinhoyi	Zimbabwe		17° 12' 00" S 29° 13' 00" E	
Zemio	Central African Republic			
Zemio (see also: Semmio, Semnio)	Congo (Democratic Republic of the)		5° 03' 00" N 27° 07' 00" E	
Zeraf, Jebel [=mountain] (see also: Djebel Zeraf, Gebel Geraf, Gebel Zeraf)	Sudan		15° 49' 00" N 31° 10' 00" E	
Zeriba Ambarab	Eritrea		15° 10' 00" N 36° 55' 00" E	
Zesfontein (see Sesfontein)	Namibia		19° 08' 00" S 13° 37' 00" E	628 m
Zessfontein (see Sesfontein)	Namibia		19° 08' 00" S 13° 37' 00" E	628 m
Zeya (see also: Zega)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 44' 00" E	650 m
Zeyla (see Saylac)	Somalia		11° 21' 14" N 43° 28' 26" E	5 m
Zeylac (see Saylac)	Somalia		11° 21' 14" N 43° 28' 26" E	5 m
Ziama, Biosphere reserve, near Park Station, W edge of Séréddou (see also: Réserve de la Biosphère du Massif du Ziama, Ziama, Réserve de la Biosphère du Massif du)	Guinea	ca.	8° 22' 00" N 9° 18' 00" W	
Ziama, Réserve de la Biosphère du Massif du (see Ziama, Biosphere reserve), near Park Station, W edge of Séréddou	Guinea	ca.	8° 22' 00" N 9° 18' 00" W	
Zié cave (see also: Grotte de Zié)	Guinea	ca.	7° 44' 00" N 8° 22' 00" W	
Ziéla	Guinea		7° 42' 46" N 8° 21' 33" W	529 m
Ziggida (see Zigida), 25 mi [=40 km] N Zorzor	Liberia		8° 02' 12" N 9° 29' 23" W	
Ziggida, 1 km N, 3 km E (see Zigida, 1 km N, 3 km E)	Liberia	ca.	8° 02' 12" N 9° 29' 23" W	
Ziggida, 10.5 km N, 1 km E (see Zigida, 10.5 km N, 1 km E)	Liberia	ca.	8° 07' 51" N 9° 28' 54" W	450 m
Ziggida, 11 km N, 2 km E (see Zigida, 11 km N, 2 km E), Gabagea River	Liberia	ca.	8° 08' 08" N 9° 28' 20" W	
Ziggida, 13 km N, 1 km E (see Zigida, 13 km N, 1 km E)	Liberia	ca.	8° 09' 10" N 9° 28' 52" W	759 m
Ziggida, 7 km N, 2 km E (see Zigida, 7 km N, 2 km E)	Liberia	ca.	8° 02' 12" N 9° 29' 23" W	
Ziggida, 7 mi [=11 km] N, 1 mi [=1.6 km] E (see Zigida, 7 mi [=11 km] N, 1 mi [=1.6 km] E)	Liberia	ca.	8° 02' 12" N 9° 29' 23" W	
Zighinkor (see Ziguinchor)	Senegal		12° 35' 00" N 16° 16' 19" W	15 m
Zigida, 25 mi [=40 km] N Zorzor (see also: Ziggida, Zigida Village, Zorzor, 25 mi [=40 km] N)	Liberia		8° 02' 12" N 9° 29' 23" W	
Zigida Village (see Zigida), 25 mi [=40 km] N Zorzor	Liberia		8° 02' 12" N 9° 29' 23" W	
Zigida, 1 km N, 3 km E (see also: Ziggida, 1 km N, 3 km E)	Liberia	ca.	8° 02' 12" N 9° 29' 23" W	
Zigida, 10.5 km N, 1 km E (see also: Ziggida, 10.5 km N, 1 km E)	Liberia	ca.	8° 07' 51" N 9° 28' 54" W	450 m
Zigida, 11 km N, 2 km E, Gabagea River (see also: Ziggida, 11 km N, 2 km E)	Liberia	ca.	8° 08' 08" N 9° 28' 20" W	
Zigida, 13 km N, 1 km E (see also: Ziggida, 13 km N, 1 km E)	Liberia	ca.	8° 09' 10" N 9° 28' 52" W	759 m
Zigida, 7 km N, 2 km E (see also: Ziggida, 7 km N, 2 km E)	Liberia	ca.	8° 02' 12" N 9° 29' 23" W	
Zigida, 7 mi [=11 km] N, 1 mi [=1.6 km] E (see also: Ziggida, 7 mi [=11 km] N, 1 mi [=1.6 km] E)	Liberia	ca.	8° 02' 12" N 9° 29' 23" W	
Zigiunchor (see Ziguinchor)	Senegal		12° 35' 00" N 16° 16' 19" W	15 m
Ziguinchor (see also: Zighinkor, Zigiunchor, Zinguinhor)	Senegal		12° 35' 00" N 16° 16' 19" W	15 m
Ziguinchor region	Senegal			
Zika forest	Uganda		0° 07' 00" N 30° 30' 00" E	

Zimbabwe (see also: South Rhodesia)	Zimbabwe			
Zimbabwe Mine	Zimbabwe			
Zimbabwe National Park	Zimbabwe		20° 18' 00" S 30° 57' 00" E	
Zimbabwe National Park, 4 mi [=7.2 km] S	Zimbabwe	ca.	20° 18' 00" S 30° 57' 00" E	
Zimbabwe Ruins (see Great Zimbabwe [ruins]), 25 km SE Fort Victoria	Zimbabwe		20° 17' 00" S 30° 56' 00" E	
Zimbiti	Mozambique		19° 33' 00" S 34° 45' 00" E	
Zimet Quarter	Burundi		3° 24' 00" S 29° 21' 00" E	
Zinave, 212 km SSW Beira	Mozambique		21° 26' 12" S 33° 51' 01" E	
Zinave National Park, 5 km N Crus Dubacus Setache (see also: Crus Dubacus Setache, 5 km N)	Mozambique		21° 07' 30" S 33° 37' 30" E	
Zinave, 2 km S	Mozambique		21° 21' 00" S 33° 51' 00" E	
Zinave, 2 km SW	Mozambique	ca.	21° 21' 00" S 33° 51' 00" E	
Zinave, 3 km SW	Mozambique	ca.	21° 21' 00" S 33° 51' 00" E	
Zinave, 30 mi [=48 km] NE	Mozambique	ca.	21° 15' 00" S 33° 55' 00" E	
Zinave, 5 km W	Mozambique	ca.	21° 21' 00" S 33° 51' 00" E	
Zinave, ca 50 mi [=80 km] NE (see Gupata (camp))	Mozambique		20° 43' 00" S 34° 30' 00" E	
Zinder	Niger		13° 48' 00" N 8° 59' 00" E	479 m
Zinder region	Niger			
Zinder, near	Niger	ca.	13° 48' 00" N 8° 59' 00" E	
Zinga, Kilwa	Tanzania		6° 31' 00" S 38° 59' 00" E	24 m
Zinglume	Zambia		13° 40' 00" S 32° 40' 00" E	3800 ft
Zinguinhor (see Ziguinchor)	Senegal		12° 35' 00" N 16° 16' 19" W	15 m
Ziqhumene	South Africa		28° 11' 00" S 31° 57' 00" E	
Ziro province	Burkina Faso			
Zizonkamé	Benin		7° 55' 00" N 2° 01' 00" E	
Zoa Estate (see Zoa Tea Estate)	Malawi		16° 07' 48" S 35° 06' 00" E	
Zoa Tea Estate (see also: Zoa Estate)	Malawi		16° 14' 00" S 35° 12' 00" E	800 m
ZobaPC:MA|)	Eritrea			
Zobia	Congo (Democratic Republic of the)		2° 58' 00" N 25° 56' 00" E	609 m
Zodié Cave	Gabon		0° 58' 48" N 13° 11' 24" E	
Zoekmakaar (see Soekmekaar), 5 km S Pietersburg	South Africa		23° 29' 00" S 29° 56' 00" E	1193 m
Zoekmekaar (see Soekmekaar), 5 km S Pietersburg	South Africa		23° 29' 00" S 29° 56' 00" E	1193 m
Zoetendalsvlei, Farm (see Farm Zoetendalsvlei), Bredasdorp	South Africa		34° 45' 00" S 19° 59' 00" E	
Zoetvlei, Vryburg	South Africa		26° 57' 00" S 24° 44' 00" E	
Zogota (mine)	Guinea	ca.	7° 53' 10" N 9° 01' 24" W	
Zokila	Egypt		30° 03' 00" N 31° 15' 00" E	
Zokilo cave, 12 mi W Wadi Natrun	Egypt	ca.	30° 03' 00" N 31° 15' 00" E	
Zomah (see Zomai)	Liberia		7° 36' 56" N 9° 37' 53" W	303 m
Zomai (see also: Zamah, Zomah, Zormai, Zuormai)	Liberia		7° 36' 56" N 9° 37' 53" W	303 m
Zomba (see also: Zomba town)	Malawi		15° 23' 00" S 35° 20' 00" E	848 m
Zomba district	Malawi			
Zomba Plateau, Shire highlands	Malawi		15° 22' 00" S 35° 19' 00" E	5000 ft
Zomba plateau, foot of, Zomba, 4 km N	Malawi		15° 20' 00" S 35° 18' 00" E	
Zomba town (see Zomba)	Malawi		15° 23' 00" S 35° 20' 00" E	848 m
Zombitse-Vhibasia National Park (see also: Parc National de Zombitse-Vhibasia)	Madagascar		22° 50' 31" S 44° 40' 47" E	
Zombitsy forest (see also: Forêt de Zombitsy, Zombitsy, Alan'i)	Madagascar		22° 47' 00" S 44° 42' 00" E	
Zombitsy, Alan'i (see Zombitsy forest)	Madagascar		22° 47' 00" S 44° 42' 00" E	
Zombo district	Uganda			
Zondame province	Burkina Faso			
Zongo	Congo (Democratic Republic of the)		4° 20' 00" N 18° 35' 00" E	
Zookis (see Kisangani)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Zormai (see Zomai)	Liberia		7° 36' 56" N 9° 37' 53" W	303 m
Zorzor	Liberia		7° 46' 46" N 9° 25' 49" W	516 m
Zorzor, 25 mi [=40 km] N (see Zigida)	Liberia		8° 02' 12" N 9° 29' 23" W	
Zou department (see also: Central region |PC:ZO|)	Benin			
Zouar	Chad		20° 27' 30" N 16° 31' 40" E	742 m
Zouari-Muyo cave (see also: Nzouani-Muya cave)	Central African Republic			
Zouarké, well (see Enneri Zouarké)	Chad		20° 25' 00" N 16° 05' 00" E	
Zouguépo	Guinea		7° 42' 20" N 8° 24' 26" W	526 m
Zoulabot II (see also: Kul's, Soulabot, Sulabot)	Cameroon		2° 54' 00" N 13° 53' 00" E	517 m
Zoundwéogo province	Burkina Faso			
Zoutpansberg (see Soutpansberg), 5 km E Louis Trichardt	South Africa		22° 58' 48" S 30° 15' 00" E	

Zoutpansdrift, Farm 246 (see Farm Zoutpansdrift 246), Luckhoff	South Africa		29° 43' 00" S 24° 23' 00" E	
Zovo Chipolo Forest	Malawi		10° 34' 51" S 33° 42' 46" E	2230 m
Zozoma, 2 mi [=3.2 km] SW Voinjama. (see also: Voinjama, 2 mi [=3.2 km] SW, Zuzoma)	Liberia		8° 25' 00" N 9° 47' 00" W	
Zriba-Village (see Wadi Zriba), near Zaghouan	Tunisia		36° 20' 22" N 10° 15' 08" E	
Zululand district	South Africa			
Zungeru	Nigeria		9° 48' 46" N 6° 09' 21" E	149 m
Zuormai (see Zomai)	Liberia		7° 36' 56" N 9° 37' 53" W	303 m
Zusterstroom, Farm 447JR (see Farm Zusterstroom 447JR)	South Africa		25° 35' 00" S 29° 00' 00" E	
Zuurfontein, Farm 92 (see Farm Zuurfontein 92), Fauresmith	South Africa		29° 55' 00" S 25° 24' 00" E	
Zuzoma (see Zozoma), 2 mi [=3.2 km] SW Voinjama.	Liberia		8° 25' 00" N 9° 47' 00" W	
Zwadhru (see Zwedru)	Liberia		6° 04' 00" N 8° 07' 41" W	274 m
Zwadhru, 25 km N (see Zwerdu, 25 km N)	Liberia	ca.	6° 05' 00" N 8° 07' 00" W	
Zwadhru, 7 km N (see Zwerdu, 7 km N)	Liberia	ca.	6° 05' 00" N 8° 07' 00" W	
Zwarthoek, Farm 794 (see Farm Zwarthoek 794), Mansfield	South Africa		22° 58' 00" S 29° 52' 00" E	
Zwartkop cave, Pretoria	South Africa		25° 51' 00" S 28° 10' 00" E	
Zwartkop Military Nature Reserve, Pretoria	South Africa		25° 50' 00" S 28° 08' 00" E	
Zwartmodder 101, Maltahöhe	Namibia		24° 54' 00" S 16° 17' 00" E	
Zwedru (see also: Tchien, Zwadhru)	Liberia		6° 04' 00" N 8° 07' 41" W	274 m
Zwedru, 25 km N (see Tars Town)	Liberia		6° 13' 00" N 8° 08' 00" W	
Zweizwe Waterhole, North of Tsotsoroga Pan (see also: Zweizwi River Waterhole)	Botswana		18° 36' 00" S 24° 22' 00" E	
Zweizwi River Waterhole (see Zweizwe Waterhole), North of Tsotsoroga Pan	Botswana		18° 36' 00" S 24° 22' 00" E	
Zwerdu, 25 km N (see also: Tchien, 25 km N, Zwadhru, 25 km N)	Liberia	ca.	6° 05' 00" N 8° 07' 00" W	
Zwerdu, 7 km N (see also: Tchien, 7 km N, Zwadhru, 7 km N)	Liberia	ca.	6° 05' 00" N 8° 07' 00" W	
Zwolls Estate	South Africa		29° 37' 26" S 31° 03' 07" E	

Appendix 9c: Country Alphabetical Gazetteer

In this gazetteer, the localities are presented in alphabetical order within each country.

Algeria:

Abadla		31° 01' 00" N 2° 44' 00" W	588 m
Adrar province			
Ain Cheurfas			
Aïn Defla province			
Ain Mokra (see Berrahal)		36° 50' 07" N 7° 27' 12" E	26 m
Aïn Ouarka		32° 43' 51" N 0° 09' 13" W	
(see also: Ain Ouarka)			
Ain Ouarka (see Aïn Ouarka)		32° 43' 51" N 0° 09' 13" W	
Ain Oussera		35° 27' 05" N 2° 54' 21" E	683 m
(see also: El Oussera, Paul Cazelles)			
Aïn Salah (see I-n-Salah)		27° 11' 00" N 2° 29' 00" E	279 m
Aïn Sefra		32° 45' 00" N 0° 35' 00" W	1081 m
(see also: Aïne Sefra)			
Aïn Témouchent province	ca.	35° 20' 00" N 1° 05' 00" W	
(see also: Wilaya de Aïn Temouchent)			
Aïne Sefra (see Aïn Sefra)		32° 45' 00" N 0° 35' 00" W	1081 m
Al Jazair (see Alger)		36° 45' 47" N 3° 03' 02" E	0 m
Alger		36° 45' 47" N 3° 03' 02" E	0 m
(see also: Al Jazair, Algeri, Algier, Algiers, Al-jezair)			
Alger province			
Algeri (see Alger)		36° 45' 47" N 3° 03' 02" E	0 m
Algeria			
Algerian Sahara			
Algerian Sahara			
Algier (see Alger)		36° 45' 47" N 3° 03' 02" E	0 m
Algiers (see Alger)		36° 45' 47" N 3° 03' 02" E	0 m
Al-jezair (see Alger)		36° 45' 47" N 3° 03' 02" E	0 m
Annaba		36° 54' 00" N 7° 46' 00" E	0 m
(see also: Bona, Bône)			
Annaba province			
Aokas		36° 38' 00" N 5° 15' 00" E	198 m
(see also: Cap Aokas, Oued Marsa)			
Aokas cave, 1 km E Aokas	ca.	36° 38' 00" N 5° 15' 00" E	
Aurasius Mons (see Aurès mountains)		35° 14' 00" N 6° 10' 00" E	
Aurès mountains		35° 14' 00" N 6° 10' 00" E	
(see also: Aurasius Mons, Djebel Aurès)			
AurèsPC: BT|)			
Batna		35° 34' 00" N 6° 10' 00" E	
Batna province	ca.	35° 30' 00" N 5° 55' 00" E	
(see also: Aurès province |PC: BT|, Wilaga de l' Aures , Wilaya de Batna)			
Béchar		31° 37' 00" N 2° 13' 00" W	747 m
(see also: Colomb Béchar)			
Béchar province			
Bechar, 8 km NE		31° 36' 00" N 2° 09' 00" W	ca. 747 m
Béjaïa		36° 45' 21" N 5° 05' 03" E	0 m
(see also: Bejaia, Bgayet, Bidzaja, Bijaya, Bougie, Saldae)			
Bejaia (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Béjaïa province			
Béni Abbès		30° 08' 00" N 2° 10' 00" W	470 m
(see also: Beni Abbes)			
Beni Abbes (see Béni Abbès)		30° 08' 00" N 2° 10' 00" W	470 m
(see also: Benni Abbes)			
Béni Abbès, 15 km N	ca.	30° 08' 00" N 2° 10' 00" W	
Benni Abbes (see Beni Abbes)		30° 08' 00" N 2° 10' 00" W	470 m
Berrahal		36° 50' 07" N 7° 27' 12" E	26 m
(see also: Ain Mokra)			
Bgayet (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Bidzaja (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Bijaya (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Biskra		34° 51' 00" N 5° 44' 00" E	213 m
Biskra province			
Biskra, 17 km SE (see Sidi Okba)		34° 45' 00" N 5° 54' 00" E	
Biskra, 51 km S (see Bordj de Chegga)		34° 25' 00" N 5° 56' 00" E	3 m
Biskra, near			
Blida and Laghouat, between	ca.	34° 20' 00" N 3° 00' 00" E	
Blida province	ca.	36° 35' 00" N 3° 00' 00" E	
(see also: Wilaya de Blida)			
Boghar		35° 54' 41" N 2° 43' 00" E	847 m
Bona (see Annaba)		36° 54' 00" N 7° 46' 00" E	0 m

Bône (see Annaba)		36° 54' 00" N 7° 46' 00" E	0 m
Bône, near	ca.	36° 54' 00" N 7° 46' 00" E	
Bordj Bou Arréridj province			
Bordj Chegga (see Bordj de Chegga), 51 km S from Biskra		34° 25' 00" N 5° 56' 00" E	3 m
Bordj de Chegga, 51 km S from Biskra (see also: Biskra, 51 km S, Bordj Chegga, Borj Chegga, Chaegga, Chegga)		34° 25' 00" N 5° 56' 00" E	3 m
Borj Chegga (see Bordj de Chegga), 51 km S from Biskra		34° 25' 00" N 5° 56' 00" E	3 m
Bougie (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Bouira province			
Boumerdès province			
Brezina (see also: Brezina cave)		33° 05' 59" N 1° 15' 25" E	825 m
Brezina cave (see Brezina)		33° 05' 59" N 1° 15' 25" E	825 m
Canear [NF], 40 km NE (see Rio Kassai)			
Cap Aokas (see Aokas)		36° 38' 00" N 5° 15' 00" E	198 m
Cassai River (see Rio Kassai), 40 km NE Canear [NF]			
Chaegga (see Bordj de Chegga), 51 km S from Biskra		34° 25' 00" N 5° 56' 00" E	3 m
Chegga (see Bordj de Chegga), 51 km S from Biskra		34° 25' 00" N 5° 56' 00" E	3 m
Cheurfas, Barrages des		35° 24' 00" N 0° 15' 00" W	
Chiffa, gorges de la (see Gorges de la Chiffa)		36° 24' 00" N 2° 46' 00" E	
Chlef province			
Colomb Béchar (see Béchar)		31° 37' 00" N 2° 13' 00" W	747 m
Constantine, road between Sétif and Annaba		36° 22' 00" N 6° 37' 00" E	626 m
Constantine province			
Delis (see Dellys)		36° 55' 07" N 3° 53' 16" E	336 m
Dellys (see also: Delis)		36° 55' 07" N 3° 53' 16" E	336 m
Djama (see Djamaa)		33° 32' 00" N 6° 00' 00" E	120 m
Djamaa (see also: Djama, Djemâa)		33° 32' 00" N 6° 00' 00" E	120 m
Djanet (see also: Fort Charlet)		24° 34' 00" N 0° 09' 23" E	1116 m
Djebel Aurès (see Aurès mountains)		35° 14' 00" N 6° 10' 00" E	
Djebel Ouarsenis (see Ouarsenis, Djebel)		35° 52' 00" N 1° 38' 00" E	
Djebel Taya (see Djebel Taya) (see also: Djebel Taya)		36° 30' 06" N 7° 07' 27" E	
Djelfa (see also: Jelfa)		34° 40' 00" N 3° 15' 00" E	1126 m
Djelfa province			
Djemâa (see Djamaa)		33° 32' 00" N 6° 00' 00" E	120 m
Djurdura mountains			
El Bayadh province			
El Goléa (see also: El Golea)		36° 13' 10" N 2° 46' 21" E	700 m
El Goléa (see also: El Golea)		30° 34' 00" N 2° 53' 00" E	423 m
El Golea (see El Goléa)		36° 13' 10" N 2° 46' 21" E	700 m
El Golea (see El Goléa)		30° 34' 00" N 2° 53' 00" E	423 m
El Kohol		33° 03' 16" N 1° 28' 19" E	
El Oued province			
El Oussera (see Ain Oussera)		35° 27' 05" N 2° 54' 21" E	683 m
El Tarf province			
Eljani (see Heljani)		35° 42' 00" N 0° 37' 00" W	121 m
Fort Charlet (see Djanet)		24° 34' 00" N 0° 09' 23" E	1116 m
Fort Laperine (see Tamanrasset)		22° 47' 06" N 5° 31' 22" E	1320 m
Fort Laperrine (see Tamanrasset)		22° 47' 06" N 5° 31' 22" E	1320 m
Ghardaïa (see also: Rhardaïa)		32° 29' 00" N 3° 40' 00" E	572 m
Ghardaïa province			
Giante's Castle			6300 ft
Glib Zegdou		29° 42' 49" N 4° 45' 58" W	
Gorges de Kherrata (tunnel) (see also: Kherrata, gorges de)	ca.	36° 29' 37" N 5° 16' 41" E	
Gorges de la Chiffa (see also: Chiffa, gorges de la, La Chiffa)		36° 24' 00" N 2° 46' 00" E	
Gran Cabilia			
Grotte des lions (see Lions cave)	ca.	36° 24' 00" N 2° 46' 00" E	
Guelma province			
Hassi Fokra		30° 09' 20" N 1° 26' 07" W	
Hassi Kalifa (see Hassi Khelifa)		33° 35' 00" N 7° 00' 00" E	41 m
Hassi Khelifa (see also: Hassi Kalifa)		33° 35' 00" N 7° 00' 00" E	41 m
Heljani (see also: Eljani)		35° 42' 00" N 0° 37' 00" W	121 m

Hoggar plateau			
Ideles, 20 km N (see Oued Igharghar)		19° 34' 28" N 5° 53' 46" E	
Ighzer cave		29° 28' 00" N 0° 18' 00" E	ca. 322 m
Illizi province	ca.	26° 50' 00" N 8° 10' 00" E	
In Saleh (see I-n-Salah)		27° 11' 00" N 2° 29' 00" E	279 m
I-n-Salah		27° 11' 00" N 2° 29' 00" E	279 m
(see also: Aïn Salah, In Saleh)			
Jelfa (see Djelfa)		34° 40' 00" N 3° 15' 00" E	1126 m
Jijel province			
Kassai River (see Rio Kassai), 40 km NE Canear [NF]			
Khenchela province			
Kherrata, gorges de (see Gorges de Kherrata (tunnel))	ca.	36° 29' 37" N 5° 16' 41" E	
Ksar el Abadla (see Natron See)		31° 01' 00" N 2° 44' 00" W	588 m
La Chiffa (see Gorges de la Chiffa)		36° 24' 00" N 2° 46' 00" E	
La Tafna Fleuve (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Laghouat province			
Laghouat, oasis		33° 49' 00" N 2° 55' 00" E	750 m
Lalla Kedidja, 7 km W (see Tikjda)			
Les Andalouses, 20 km W Oran		35° 42' 16" N 0° 53' 33" W	0 m
(see also: Oran, 20 km W)			
Lions cave	ca.	36° 24' 00" N 2° 46' 00" E	
(see also: Grotte des lions)			
Marhouma		30° 00' 16" N 2° 04' 14" W	430 m
(see also: Markouma)			
Markouma (see Marhouma)		30° 00' 16" N 2° 04' 14" W	430 m
Mascara province			
Médéa province			
Mila province			
Misserghin, 12 km SW Oran		35° 36' 42" N 0° 44' 27" W	78 m
(see also: Oran, 12 km SW)			
Misserghin Gorge, cave of 4th source	ca.	35° 36' 17" N 0° 44' 13" W	
Mostaganem province			
Mouzdjadjo		35° 42' 00" N 4° 33' 00" E	
M'Sila		35° 42' 21" N 4° 32' 31" E	508 m
(see also: Thamsilt)			
M'Sila Forest, 20 km W Oran		35° 38' 56" N 0° 52' 25" W	508 m
M'Sila province			
Naâma province	ca.	33° 30' 00" N 0° 50' 00" W	
(see also: Wilaya de Naama)			
Oran		35° 41' 00" N 0° 39' 00" W	110 m
(see also: Ouahran, Wahran)			
Oran province			
Oran, 12 km SW (see Misserghin)		35° 38' 00" N 0° 43' 00" W	
Oran, 20 km W (see Les Andalouses)			
Ouahran (see Oran)		35° 41' 00" N 0° 39' 00" W	110 m
Ouargla		31° 57' 27" N 5° 19' 40" E	149 m
Ouargla province	ca.	30° 30' 00" N 6° 10' 00" E	
(see also: Wilaya de Ouargla)			
Ouarsenis, Djebel		35° 52' 00" N 1° 38' 00" E	
(see also: Djebel Ouarsenis)			
Oued Igharghar		19° 34' 28" N 5° 53' 46" E	
(see also: Ideles, 20 km N)			
Oued Marsa (see Aokas)		36° 38' 00" N 5° 15' 00" E	198 m
Oued Rhumel		36° 32' 00" N 6° 16' 00" E	
Oued Tafna (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Oued Tasna (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Oued Tlélat		35° 32' 56" N 0° 26' 50" W	152 m
(see also: Oued-Trelat, Saint-Barbe-du-Tlélat, Sainte-Barbe-Du-Trelat)			
Oued-Trelat (see Oued Tlélat)		35° 32' 56" N 0° 26' 50" W	152 m
Oum el Bouaghi province			
Oumache		34° 42' 00" N 5° 41' 00" E	103 m
(see also: Oumash, Umasch, Umash)			
Oumash (see Oumache)		34° 42' 00" N 5° 41' 00" E	103 m
Paul Cazelles (see Ain Oussera)		35° 27' 05" N 2° 54' 21" E	683 m
Pool			
Quallen (oasis)			
Raca Camele, North of Quionlungo			
Relizane province			
Rhardaïa (see Ghardaïa)		32° 29' 00" N 3° 40' 00" E	572 m
Rio Cassai (see Rio Kassai), 40 km NE Canear [NF]			
Rio Kassai, 40 km NE Canear [NF]			
(see also: Canear [NF], 40 km NE, Cassai River, Kassai River, Rio Cassai)			
Saïda province			
Saint-Barbe-du-Tlélat (see Oued Tlélat)		35° 32' 56" N 0° 26' 50" W	152 m

Saint-Denis-du-Sig (see Sig)		35° 31' 40" N 0° 11' 43" W	73 m
Sainte-Barbe-Du-Trelat (see Oued Tlélat)		35° 32' 56" N 0° 26' 50" W	152 m
Saldae (see Béjaïa)		36° 45' 21" N 5° 05' 03" E	0 m
Saoura province			
Sea-Atlas			
Sebdou		34° 38' 33" N 1° 19' 59" W	904 m
Sebdou, 20 km NW	ca.	34° 38' 33" N 1° 19' 59" W	
Sétif		36° 13' 00" N 5° 25' 00" E	1080 m
Sétif province			
Sidi Bel Abbès province			
Sidi Okba, 17 km SE Biskra		34° 45' 00" N 5° 54' 00" E	150 m
(see also: Biskra, 17 km SE)			
Sig		35° 31' 40" N 0° 11' 43" W	73 m
(see also: Saint-Denis-du-Sig)			
Skikda province	ca.	36° 45' 00" N 6° 50' 00" E	
(see also: Wilaya de Skikda)			
Souk Ahras province			
Souk el Tenine		36° 37' 36" N 5° 20' 02" E	92 m
St. Eugène			
Tafna River (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Tafna, oued	ca.	35° 17' 52" N 1° 28' 16" W	
(see also: La Tafna Fleuve, Oued Tafna, Oued Tasna , Tafna River, Tafua, Wad Tafna, Wadi Tafna, Wâdy Tafna)			
Tafua (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Tamahrasset (see Tamanrasset)		22° 47' 06" N 5° 31' 22" E	1320 m
Tamanghasset (see Tamanrasset)		22° 47' 06" N 5° 31' 22" E	1320 m
TamanPC:TM|)	ca.	23° 45' 00" N 4° 40' 00" E	
Tamanrasset		22° 47' 06" N 5° 31' 22" E	1320 m
(see also: Fort Laperine , Fort Laperrine, Tamahrasset, Tamanghasset)			
Tamanrasset province	ca.	23° 45' 00" N 4° 40' 00" E	
(see also: Tamanghasset province |PC:TM|, Wilaya de Tamanghasset, Wilaya de Tamanrasset)			
Tamanrasset, 110 km NW		23° 42' 00" N 5° 08' 00" E	
Tamanrasset, 55 km N		23° 12' 00" N 5° 31' 59" E	
Tamanrasset, near	ca.	22° 47' 06" N 5° 31' 22" E	
Tamanrasset, oasis		22° 47' 06" N 5° 31' 22" E	1320 m
Tassili des Adjers (see Tassili-n-Ajjer)	ca.	25° 30' 00" N 9° 00' 00" E	
Tassili N'Ajer (see Tassili-n-Ajjer)	ca.	25° 30' 00" N 9° 00' 00" E	
Tassili-n-Ajjer	ca.	25° 30' 00" N 9° 00' 00" E	
(see also: Tassili des Adjers, Tassili N'Ajer)			
Taya, djebel		36° 30' 06" N 7° 07' 27" E	
Tébessa province			
Ténès, West of Algiers		36° 30' 40" N 1° 18' 43" E	2 m
Thamsilt (see M'Sila)		35° 42' 21" N 4° 32' 31" E	508 m
Tiaret province			
Tikjda, 7 km W Lalla Kedidja		36° 27' 00" N 4° 08' 00" E	1111 m
(see also: Lalla Kedidja, 7 km W)			
Timimoun			
Tindouf province			
Tipaza province			
Tissemsilt province			
Tit		22° 57' 42" N 5° 11' 51" E	1332 m
Tizi Ouzou province			
Tlemcem Mountains			
Tlemcem province			
Touareg Sahara			
Umasch (see Oumache)		34° 42' 00" N 5° 41' 00" E	103 m
Umash (see Oumache)		34° 42' 00" N 5° 41' 00" E	103 m
Wad Tafna (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Wadi Sauria		30° 11' 00" N 2° 14' 00" W	
Wadi Tafna (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Wâdy Tafna (see Tafna, oued)	ca.	35° 17' 52" N 1° 28' 16" W	
Wahran (see Oran)		35° 41' 00" N 0° 39' 00" W	110 m
Wilaga de l' Aures (see Batna province)	ca.	35° 30' 00" N 5° 55' 00" E	
Wilaya d' Illizi (see Gambela)	ca.	8° 15' 00" N 34° 35' 00" E	514 m
Wilaya de Aïn Temouchent (see Aïn Témouchent province)	ca.	35° 20' 00" N 1° 05' 00" W	
Wilaya de Batna (see Batna province)	ca.	35° 30' 00" N 5° 55' 00" E	
Wilaya de Blida (see Blida province)	ca.	36° 35' 00" N 3° 00' 00" E	
Wilaya de Naama (see Naâma province)	ca.	33° 30' 00" N 0° 50' 00" W	
Wilaya de Ouargla (see Ouargla province)	ca.	30° 30' 00" N 6° 10' 00" E	
Wilaya de Skikda (see Skikda province)	ca.	36° 45' 00" N 6° 50' 00" E	
Wilaya de Tamanghasset (see Tamanrasset province)	ca.	23° 45' 00" N 4° 40' 00" E	

Wilaya de Tamanrasset (see Tamanrasset province)	ca.	23° 45' 00" N 4° 40' 00" E	

Angola:

(Courrier de) Humpata			
Alto Chicapa		10° 53' 00" S 19° 14' 00" E	1305 m
(see also: Alto Chikapa, Alto Shikapa)			
Alto Chikapa (see Alto Chicapa)		10° 53' 00" S 19° 14' 00" E	1305 m
Alto Cuilo		10° 01' 00" S 19° 33' 00" E	1264 m
(see also: Alto Kwilu, Cuilo)			
Alto Kwilu (see Alto Cuilo)		10° 01' 00" S 19° 33' 00" E	1264 m
Alto Shikapa (see Alto Chicapa)		10° 53' 00" S 19° 14' 00" E	1305 m
Alto Zambeze (see Calunda)		12° 07' 00" S 23° 28' 00" E	1487 m
Ambrisette (see N'zeto)		7° 14' 00" S 12° 52' 00" E	6 m
Ambriz		7° 51' 00" S 13° 07' 00" E	0 m
Ambrizete (see N'zeto)		7° 14' 00" S 12° 52' 00" E	6 m
Ambrizette (see N'zeto)		7° 14' 00" S 12° 52' 00" E	6 m
Angola			
Angola, W Africa = Lower Congo			
Artur de Paiva (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Asseiceira (see Catumbela)		12° 25' 53" S 13° 32' 50" E	93 m
Bela Vista, 3 mi NE (see Dondi)			
Bengo province			
Benguela		12° 34' 42" S 13° 24' 26" E	39 m
(see also: Benguella, São Félipe de Benguela)			
Benguela province			
Benguella (see Benguela)		12° 34' 42" S 13° 24' 26" E	39 m
Bibala		14° 46' 00" S 13° 21' 00" E	906 m
(see also: Biballa, Vila Arriaga, Villa Arriaga)			
Biballa (see Bibala)		14° 46' 00" S 13° 21' 00" E	906 m
(see also: Fazenda Cacanda)			
Biballe and Rio Coroca, Caconda		13° 42' 00" S 15° 05' 00" E	
Bie province			
Bragança (see Calandula)		9° 06' 00" S 15° 57' 00" E	626 m
Bungo		7° 26' 00" S 15° 23' 00" E	1122 m
Caála		12° 51' 09" S 15° 33' 38" E	1746 m
(see also: Cahala, Kaala, Robert Williams, Roberto Williams, Vila Robert Williams)			
Caála, 6 mi [=9.7 km] S	ca.	12° 51' 09" S 15° 33' 38" E	1630 m
(see also: Robert Williams, 6 mi [=9.7 km] S)			
Cabinda province			
Cabire (see Cabiri)		8° 54' 55" S 13° 40' 09" E	87 m
Cabiri		8° 54' 55" S 13° 40' 09" E	87 m
(see also: Cabire, Kabire, Kabiri)			
Caconda		13° 42' 00" S 15° 05' 00" E	1900 m
Cacongo		5° 14' 00" S 12° 09' 00" E	0 m
(see also: Guilherme Capelo, Lândana, Vila Guilherme Capelo)			
Cahala (see Caála)		12° 51' 09" S 15° 33' 38" E	1746 m
Cahata		12° 21' 00" S 14° 49' 00" E	1209 m
Caimbambo		13° 00' 00" S 13° 50' 00" E	
Calandula		9° 06' 00" S 15° 57' 00" E	626 m
(see also: Bragança, Duque de Bragança, Kalandula, Nalandula)			
Calulo, 40 km E		10° 01' 00" S 15° 20' 00" E	
Calunda		12° 07' 00" S 23° 28' 00" E	1487 m
(see also: Alto Zambeze, Kalunda)			
Calundo, Lake		11° 43' 00" S 20° 48' 00" E	1150 m
(see also: Lac Calundo, Lake Calundo, Luso, 105 km E)			
Camabatela, 30 km W (see Roça Canzel)		8° 21' 00" S 15° 11' 00" E	793 m
Cambisa		15° 19' 00" S 16° 13' 00" E	1369 m
Cambo, 60 km N		10° 20' 00" S 20° 06' 00" E	
Canaveses (see Marco de Canavezes)		12° 59' 00" S 14° 22' 00" E	972 m
Canga (see Fazenda Cunga)		9° 15' 00" S 13° 44' 00" E	46 m
Canhoca		9° 07' 48" S 14° 37' 48" E	
(see also: Kanhoca)			
Canzale (see Roça Canzel), 30 km W Camabatela		8° 21' 00" S 15° 11' 00" E	793 m
Canzel (see Roça Canzel), 30 km W Camabatela		8° 21' 00" S 15° 11' 00" E	793 m
Canzele (see Roça Canzel), 30 km W Camabatela		8° 21' 00" S 15° 11' 00" E	793 m
Canzole (see Roça Canzel), 30 km W Camabatela		8° 21' 00" S 15° 11' 00" E	793 m
Capelongo (1) (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Capelongo (2)		14° 55' 00" S 15° 05' 00" E	1197 m
(see also: Folgares, Kapelongo, Vila de Folgares)			

Capelopopo, near Virei (or Birei)	ca.	15° 43' 00" S 12° 57' 00" E	
Capolopopo		15° 54' 00" S 12° 48' 00" E	530 m
(see also: Fazenda Capolopopo)			
Carumba lake			
Carumbo, lake		7° 48' 00" S 19° 57' 00" E	850 m
(see also: Lake Carumba, Lake Carumbo)			
Cassai		10° 35' 00" S 21° 58' 00" E	1053 m
(see also: Cassai Sul, Tonga)			
Cassai Sul (see Cassai)		10° 35' 00" S 21° 58' 00" E	1053 m
Cassoalaba (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Cassoalala (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Cassoalalla		9° 29' 00" S 14° 21' 00" E	136 m
(see also: Cassoalaba, Cassoalala, Cassoalalla, Cassualala, Kassualala, Kateba)			
Cassoalalla (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Cassualala (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Catete		9° 07' 48" S 13° 37' 48" E	
(see also: Katete)			
Catumbela		12° 25' 53" S 13° 32' 50" E	93 m
(see also: Asseiceira, Catumbella, Katumbela)			
Catumbella (see Catumbela)		12° 25' 53" S 13° 32' 50" E	93 m
Chá Cassau (see Elias Garcia), 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
Chett Angolan border, 13 km N		17° 40' 42" S 22° 36' 53" E	1201 m
Chinchoxo	ca.	5° 04' 00" S 12° 02' 00" E	
Chissonque		11° 05' 00" S 17° 15' 00" E	3650 ft
Chitado (see Khitado)		17° 19' 00" S 13° 55' 00" E	869 m
Chitau		11° 25' 00" S 17° 09' 00" E	1503 m
Chiumbe River, tributary of Kasai river		12° 26' 00" S 20° 48' 00" E	
(see also: Tshiumbe River, Tyhumbwe River, Tyihumbwe River)			
Concórdia		12° 12' 00" S 15° 02' 00" E	1810 m
(see also: Fazenda Concórdia)			
Conga (see Fazenda Cunga)		9° 15' 00" S 13° 44' 00" E	46 m
Congulu		10° 52' 48" S 14° 22' 48" E	
Coroca River (see Rio Coroca)	ca.	13° 42' 00" S 15° 05' 00" E	
CuandPC:CC|)			
CuanzPC:CN|)			
CuanzPC:CS|)			
Cubango, Missao de (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Cubango, Missao de (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Cuilo (see Alto Cuilo)		10° 01' 00" S 19° 33' 00" E	1264 m
Cunene province			
Cunga (see Fazenda Cunga)		9° 15' 00" S 13° 44' 00" E	46 m
Dala, 15 km W, on Tshiumbe River		11° 02' 00" S 20° 12' 00" E	1224 m
Dande, 35 km E (see Dando, 35 km E)		11° 10' 00" S 17° 10' 00" E	
Dando, 35 km E		11° 10' 00" S 17° 10' 00" E	
(see also: Dande, 35 km E)			
Dilõlo (see Luacano)		11° 13' 30" S 21° 39' 43" E	1063 m
Dondi, 3 mi NE Bela Vista			5600 ft
(see also: Bela Vista, 3 mi NE)			
Dondo (see Ndondo)		9° 40' 00" S 14° 30' 00" E	134 m
Dundo		7° 22' 00" S 20° 50' 00" E	726 m
(see also: Dundo Lundo, Dundu)			
Dundo Lundo (see Dundo)		7° 22' 00" S 20° 50' 00" E	726 m
Dundo, 150 km SSE (see Elias Garcia)		8° 56' 00" S 20° 18' 00" E	901 m
Dundu (see Dundo)		7° 22' 00" S 20° 50' 00" E	726 m
Duque de Bragança (see Calandula)		9° 06' 00" S 15° 57' 00" E	626 m
Duque de Bragança, 25 km N, 15 km E		8° 52' 26" S 16° 05' 11" E	
Duque de Bragança, 42 km N		8° 40' 00" S 15° 58' 00" E	
Elias Garcia, 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
(see also: Chá Cassau, Dundo, 150 km SSE, Sha Kazau, Sombo, Xa Cassai, Xá Cassau)			
Fazenda Bumbo	ca.	15° 12' 00" S 13° 00' 00" E	ca. 700 m
Fazenda Cacanda (see Biballa)		14° 46' 00" S 13° 21' 00" E	906 m
Fazenda Capolopopo (see Capolopopo)		15° 54' 00" S 12° 48' 00" E	530 m
Fazenda Concórdia (see Concórdia)		12° 12' 00" S 15° 02' 00" E	1810 m
Fazenda Cunga		9° 15' 00" S 13° 44' 00" E	46 m
(see also: Canga, Conga, Cunga, Kunga)			
Folgares (see Capelongo (2))		14° 55' 00" S 15° 05' 00" E	1197 m
Gabela		10° 52' 48" S 14° 22' 48" E	
Gabela, 30 km S		11° 07' 16" S 14° 22' 00" E	
Galanga		12° 04' 00" S 15° 09' 00" E	1588 m
Galungo Alto (see Golungo Alto)		9° 08' 00" S 14° 46' 00" E	577 m
Gauca River		11° 05' 00" S 17° 15' 00" E	3650 ft
Golundo Alto (see Golungo Alto)		9° 08' 00" S 14° 46' 00" E	577 m

Golungo Alto		9° 08' 00" S 14° 46' 00" E	577 m
(see also: Galungo Alto, Golundo Alto)			
Guilherme Capelo (see Cacongo)		5° 14' 00" S 12° 09' 00" E	0 m
Hanha		12° 14' 42" S 13° 42' 49" E	58 m
Huambo		12° 46' 34" S 15° 44' 21" E	1721 m
(see also: Nova Lisboa)			
Huambo province			
Huila		15° 04' 00" S 13° 32' 00" E	1693 m
Huila province			
Humbe		16° 41' 00" S 14° 54' 00" E	116 m
(see also: Humbe Mutano, Mutano)			
Humbe Mutano (see Humbe)		16° 41' 00" S 14° 54' 00" E	116 m
Humpata		15° 01' 00" S 13° 23' 00" E	6300 ft
(see also: São Januaria, São Januaria da Humpata)			
Huxe (see Uche)		12° 43' 15" S 13° 18' 33" E	93 m
Jamba district			
Jau		15° 14' 00" S 13° 31' 00" E	1660 m
Kaala (see Caála)		12° 51' 09" S 15° 33' 38" E	1746 m
Kabire (see Cabiri)		8° 54' 55" S 13° 40' 09" E	87 m
Kabiri (see Cabiri)		8° 54' 55" S 13° 40' 09" E	87 m
Kalandula (see Calandula)		9° 06' 00" S 15° 57' 00" E	626 m
Kalunda (see Calunda)		12° 07' 00" S 23° 28' 00" E	1487 m
Kanhoca (see Canhoca)		9° 07' 48" S 14° 37' 48" E	
Kapelongo (see Capelongo (2))		14° 55' 00" S 15° 05' 00" E	1197 m
Kassualala (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Kateba (see Cassoalalla)		9° 29' 00" S 14° 21' 00" E	136 m
Katete (see Catete)		9° 07' 48" S 13° 37' 48" E	
Katumbela (see Catumbela)		12° 25' 53" S 13° 32' 50" E	93 m
Kela, 5 km N (see Quela, 5 km N)		9° 13' 17" S 17° 05' 00" E	
Khitado		17° 19' 00" S 13° 55' 00" E	869 m
(see also: Chitado)			
Kissama cave (see Quiçama cave)	ca.	9° 40' 00" S 13° 45' 00" E	
Kuando Kubango province			
(see also: Cuando Cubango province |PC:CC|)			
Kubango (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Kunga (see Fazenda Cunga)		9° 15' 00" S 13° 44' 00" E	46 m
Kuvango		14° 28' 00" S 16° 18' 00" E	1448 m
(see also: Artur de Paiva, Capelongo (1), Cubango, Missao de, Cubango, Missao de, Kubango, Kuvangu Mission, Vila Artur de Paiva, Vila da Ponte)			
Kuvangu Mission (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Kwanza-Norte province			
(see also: Cuanza Norte province |PC:CN|)			
Kwanza-Sul province			
(see also: Cuanza Sul province |PC:CS|)			
Lac Calundo (see Calundo, Lake)		11° 43' 00" S 20° 48' 00" E	1150 m
Lago Dilõlo (see Luacano)		11° 13' 30" S 21° 39' 43" E	1063 m
Lake Calundo (see Calundo, Lake)		11° 43' 00" S 20° 48' 00" E	1150 m
Lake Carumba (see Carumbo, lake)		7° 48' 00" S 19° 57' 00" E	850 m
Lake Carumbo (see Carumbo, lake)		7° 48' 00" S 19° 57' 00" E	850 m
Lândana (see Cacongo)		5° 14' 00" S 12° 09' 00" E	0 m
(see also: Landana)			
Landana (see Lândana)		5° 14' 00" S 12° 09' 00" E	0 m
Litambo		14° 50' 00" S 17° 17' 00" E	1443 m
Loango (see Luango)		6° 51' 00" S 13° 06' 00" E	258 m
Lobito Bay	ca.	12° 20' 00" S 13° 33' 00" E	
Luacano		11° 13' 30" S 21° 39' 43" E	1063 m
(see also: Dilõlo, Lago Dilõlo, Luakanu, Lucano)			
Luachima River (see Rio Luachimo), near Dundo	ca.	7° 20' 00" S 20° 49' 00" E	
Luakanu (see Luacano)		11° 13' 30" S 21° 39' 43" E	1063 m
Luanda		8° 50' 18" S 13° 14' 04" E	6 m
(see also: São Paulo da Assunção de Luanda, São Paulo de Loanda, São Paulo de Luanda)			
Luanda province			
Luango		6° 51' 00" S 13° 06' 00" E	258 m
(see also: Loango)			
Lubango		14° 55' 00" S 13° 30' 00" E	1718 m
(see also: Sá da Bandeira)			
Lubango, 30 km N (see Tunda Vala gorge)	ca.	14° 49' 00" S 13° 23' 00" E	
Lucano (see Luacano)		11° 13' 30" S 21° 39' 43" E	1063 m
Luena		11° 47' 00" S 19° 55' 00" E	1291 m
(see also: Luene, Luso, Luzo, Vila Luso, Vila Luzo, Vila Luzu, Villa Luso)			
Luene (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m

Luiana Camp		17° 23' 00" S 23° 00' 00" E	974 m
Luica River (see Rio Luica), affluent of R. Cuango-Muqué, Alto Chicapa		10° 46' 00" S 19° 12' 00" E	ca. 1270 m
Luimbale, 42 km WSW (see Moco, mount)		12° 30' 00" S 15° 10' 00" E	
Lunda Norte province			
Lunda Sul province			
Luso (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Luso, 105 km E (see Calundo, Lake)		11° 43' 00" S 20° 48' 00" E	1150 m
Luzo (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Malange (see Malanje)		9° 32' 41" S 16° 20' 43" E	1155 m
Malange district			
Malanje (see also: Malange)		9° 32' 41" S 16° 20' 43" E	1155 m
Malanje province			
Marco de Canaveses		12° 59' 00" S 14° 22' 00" E	972 m
Marco de Canavezes (see also: Canaveses)		12° 59' 00" S 14° 22' 00" E	972 m
Moçâmedes (see Namibe)		15° 11' 46" S 12° 09' 08" E	44 m
Moco, mount, 42 km WSW Luimbale (see also: Luimbale, 42 km WSW, Monte Soque, Mount Moco, Mount Soque, Soque, mount)		12° 30' 00" S 15° 10' 00" E	
Moks, mount, Luimbale (see also: Mount Moks)		12° 13' 00" S 15° 19' 00" E	
Monte Soque (see Moco, mount), 42 km WSW Luimbale		12° 30' 00" S 15° 10' 00" E	
Mossamedes (see Namibe)		15° 11' 46" S 12° 09' 08" E	44 m
Mount Moco (see Moco, mount)		12° 30' 00" S 15° 10' 00" E	
Mount Moks (see Moks, mount), Luimbale		12° 13' 00" S 15° 19' 00" E	
Mount Soque (see Moco, mount), 42 km WSW Luimbale		12° 30' 00" S 15° 10' 00" E	
Mount Verdun (see Verdun, mount)		12° 10' 00" S 15° 20' 00" E	
Moxico province			
Mucoso, near Dondo		9° 40' 00" S 14° 23' 00" E	130 m
Mumbondo		10° 07' 00" S 14° 07' 00" E	
Mutano (see Humbe)		16° 41' 00" S 14° 54' 00" E	116 m
N Angola, Lower Cuanza region			
Nalandula (see Calandula)		9° 06' 00" S 15° 57' 00" E	626 m
Namibe (see also: Moçâmedes, Mossamedes)		15° 11' 46" S 12° 09' 08" E	44 m
Namibe province			
Natundabala river (see Tunda Vala gorge)	ca.	14° 49' 00" S 13° 23' 00" E	
Ndondo (see also: Dondo)		9° 40' 00" S 14° 30' 00" E	134 m
NE Angola			
N'Kuta, Loango			
Nóqui		5° 52' 30" S 13° 25' 56" E	
Nova Lisboa (see Huambo)		12° 46' 34" S 15° 44' 21" E	1721 m
Novo Redondo, near (see Sumbe, near)		11° 22' 48" S 13° 52' 48" E	
N'zeto (see also: Ambrisette, Ambrizete, Ambrizette)		7° 14' 00" S 12° 52' 00" E	6 m
Otjipomenima		16° 41' 00" S 14° 55' 00" E	
Pungo Andongo		9° 40' 00" S 15° 35' 00" E	916 m
Quela, 5 km N (see also: Kela, 5 km N)		9° 13' 17" S 17° 05' 00" E	
Quiçama cave (see also: Kissama cave)	ca.	9° 40' 00" S 13° 45' 00" E	
Quiçama National Park	ca.	9° 40' 00" S 13° 45' 00" E	
Rio Coroca (see also: Coroca River)	ca.	13° 42' 00" S 15° 05' 00" E	
Rio Luachimo, near Dundo (see also: Luachima River)	ca.	7° 20' 00" S 20° 49' 00" E	
Rio Luica, affluent of R. Cuango-Muqué, Alto Chicapa (see also: Luica River)		10° 46' 00" S 19° 12' 00" E	ca. 1270 m
Robert Williams (see Caála)		12° 51' 09" S 15° 33' 38" E	1746 m
Robert Williams, 6 mi [=9.7 km] S (see Caála, 6 mi [=9.7 km] S)	ca.	12° 51' 09" S 15° 33' 38" E	1630 m
Roberto Williams (see Caála)		12° 51' 09" S 15° 33' 38" E	1746 m
Roça Cansele (see Roça Canzel), North of ?? Quiculango ??		8° 21' 00" S 15° 11' 00" E	793 m
Roça Canzel, 30 km W Camabatela (see also: Camabatela, 30 km W, Canzale, Canzel, Canzele, Canzole, Roça Cansele)		8° 21' 00" S 15° 11' 00" E	793 m
Sá da Bandeira (see Lubango)		14° 55' 00" S 13° 30' 00" E	1718 m
Sá da Bandeira, 20 km W	ca.	14° 55' 00" S 13° 30' 00" E	
Sangueve		13° 53' 00" S 15° 50' 00" E	1642 m
São Félipe de Benguela (see Benguela)		12° 34' 42" S 13° 24' 26" E	39 m
São Januaria (see Humpata)		15° 01' 00" S 13° 23' 00" E	1856 m
São Januaria da Humpata (see Humpata)		15° 01' 00" S 13° 23' 00" E	1856 m

São Paulo da Assunção de Luanda (see Luanda)		8° 50' 18" S 13° 14' 04" E	6 m
São Paulo de Loanda (see Luanda)		8° 50' 18" S 13° 14' 04" E	6 m
São Paulo de Luanda (see Luanda)		8° 50' 18" S 13° 14' 04" E	6 m
Sha Kazau (see Elias Garcia), 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
Sombo (see Elias Garcia), 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
Soque, mount (see Moco, mount), 42 km WSW Luimbale		12° 30' 00" S 15° 10' 00" E	
Sumbe, near (see also: Novo Redondo, near)		11° 22' 48" S 13° 52' 48" E	
Tonga (see Cassai)		10° 35' 00" S 21° 58' 00" E	1053 m
Tshiumbe River (see Chiumbe River), tributary of Kasai river		12° 26' 00" S 20° 48' 00" E	
Tunda Vala gorge, 30 km N Lubango (see also: Lubango, 30 km N, Natundabala river)	ca.	14° 49' 00" S 13° 23' 00" E	
Tyhumbwe River (see Chiumbe River), tributary of Kasai river		12° 26' 00" S 20° 48' 00" E	
Tyihumbwe River (see Chiumbe River), tributary of Kasai river		12° 26' 00" S 20° 48' 00" E	
Uche (see also: Huxe)		12° 43' 15" S 13° 18' 33" E	93 m
Uige province			
Verdun, mount (see also: Mount Verdun)		12° 10' 00" S 15° 20' 00" E	
Vila Arriaga (see Bibala)		14° 46' 00" S 13° 21' 00" E	906 m
Vila Artur de Paiva (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Vila da Ponte (see Kuvango)		14° 28' 00" S 16° 18' 00" E	1448 m
Vila de Folgares (see Capelongo (2))		14° 55' 00" S 15° 05' 00" E	1197 m
Vila Guilherme Capelo (see Cacongo)		5° 14' 00" S 12° 09' 00" E	0 m
Vila Luso (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Vila Luzo (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Vila Luzu (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Vila Robert Williams (see Caála)		12° 51' 09" S 15° 33' 38" E	1746 m
Villa Arriaga (see Bibala)		14° 46' 00" S 13° 21' 00" E	906 m
Villa Luso (see Luena)		11° 47' 00" S 19° 55' 00" E	1291 m
Xa Cassai (see Elias Garcia), 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
Xá Cassau (see Elias Garcia), 150 km SSE Dundo		8° 56' 00" S 20° 18' 00" E	901 m
Zaire province			

Benin:

Adjigó (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Agouagon (see also: Agouagou, Agwagon, Ajargon, Ajougon)		7° 59' 00" N 2° 18' 00" E	155 m
Agouagou (see Agouagon)		7° 59' 00" N 2° 18' 00" E	155 m
Agoué (see also: Adjigó, Agouve, Ague, Agwe, Agweh, Ajigo)		6° 14' 00" N 1° 41' 00" E	0 m
Agouve (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Aguagou / Cotonou		6° 21' 00" N 2° 26' 00" E	51 m
Ague (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Agwagon (see Agouagon)		7° 59' 00" N 2° 18' 00" E	155 m
Agwe (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Agweh (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Aitedjou (see also: Ayetédjoun)		6° 39' 00" N 2° 44' 00" E	36 m
Ajargon (see Agouagon)		7° 59' 00" N 2° 18' 00" E	155 m
Ajigo (see Agoué)		6° 14' 00" N 1° 41' 00" E	0 m
Ajougon (see Agouagon)		7° 59' 00" N 2° 18' 00" E	155 m
Alibori department			
Angaradébou, near Alfakouara		11° 19' 23" N 3° 02' 22" E	
Appi (see Cotonou)		6° 21' 00" N 2° 26' 00" E	51 m
Atacora department			
Atlantique department			
Awaya, 10 km E Dassa	ca.	7° 45' 00" N 2° 15' 00" E	
Ayetédjoun (see Aitedjou)		6° 39' 00" N 2° 44' 00" E	36 m
Badjékali (see Bodjékali)		11° 48' 34" N 3° 22' 59" E	252 m
Bembéréké (see Bimbéréké)		10° 14' 00" N 2° 40' 00" E	449 m
Benin (see also: "Dahomey")			
Bimbéréké (see also: Bembéréké)		10° 14' 00" N 2° 40' 00" E	449 m
Bodjécali (see Bodjékali)		11° 48' 34" N 3° 22' 59" E	252 m
Bodjékali (see also: Badjékali, Bodjécali)		11° 48' 34" N 3° 22' 59" E	252 m
Borgou department			

Borto-Novo (see Porto-Novo)		6° 29' 00" N 2° 37' 00" E	38 m
Catonou (see Cotonou)		6° 21' 00" N 2° 26' 00" E	51 m
CentrPC:ZO|)			
Collines department			
Cotonou		6° 21' 00" N 2° 26' 00" E	51 m
(see also: Appi, Catonou, Kotonou, Kotonu)			
Couffo department			
Dhio (see Diho)		8° 05' 00" N 2° 31' 00" E	152 m
Diho		8° 05' 00" N 2° 31' 00" E	152 m
(see also: Dhio)			
Donga department			
Garou		11° 48' 13" N 3° 28' 44" E	252 m
Ghola (see Grand-Popo)		6° 19' 00" N 1° 57' 00" E	63 m
Grand-Popo		6° 19' 00" N 1° 57' 00" E	63 m
(see also: Ghola, Great Popo, Groß-Popo, Kpla)			
Great Popo (see Grand-Popo)		6° 19' 00" N 1° 57' 00" E	63 m
Groß-Popo (see Grand-Popo)		6° 19' 00" N 1° 57' 00" E	63 m
Guéné		11° 44' 00" N 3° 13' 00" E	216 m
Guéné - Nikki road			
Kandi and Malanville, road between	ca.	11° 32' 00" N 3° 07' 00" E	
Kandi district			
Kani (see Manigri)		8° 58' 21" N 1° 43' 27" E	309 m
Kétou		7° 22' 00" N 2° 36' 00" E	112 m
(see also: Ketu)			
Ketu (see Kétou)		7° 22' 00" N 2° 36' 00" E	112 m
Koko, near Zou river, near Bante		8° 22' 30" N 1° 50' 12" E	252 m
Kotonou (see Cotonou)		6° 21' 00" N 2° 26' 00" E	51 m
Kotonu (see Cotonou)		6° 21' 00" N 2° 26' 00" E	51 m
Kouandé		6° 24' 00" N 2° 04' 00" E	66 m
(see also: Kwade, Kwande)			
Kpla (see Grand-Popo)		6° 19' 00" N 1° 57' 00" E	63 m
Kpodave		6° 49' 00" N 1° 46' 00" E	
Kwade (see Kouandé)		6° 24' 00" N 2° 04' 00" E	66 m
Kwande (see Kouandé)		6° 24' 00" N 2° 04' 00" E	66 m
Littoral department			
Lokossa, 10 mi [=16 km] S	ca.	6° 29' 00" N 1° 47' 00" E	
Lokossa, S of	ca.	6° 38' 00" N 1° 43' 00" E	
Malanville		11° 52' 07" N 3° 23' 24" E	252 m
(see also: Mallanville)			
Malanville district			
Mallanville (see Malanville)		11° 52' 07" N 3° 23' 24" E	252 m
Manigri		8° 58' 21" N 1° 43' 27" E	309 m
(see also: Kani)			
Mékrou river	ca.	12° 18' 00" N 2° 40' 00" E	
Mono department			
Nikki		9° 56' 00" N 3° 13' 00" E	423 m
Ouari-Maro forest		9° 10' 00" N 2° 10' 00" E	
Ouémé department			
Parakou		9° 21' 00" N 2° 37' 00" E	324 m
(see also: Paraku)			
Parakou and Malanville, road between			
Paraku (see Parakou)		9° 21' 00" N 2° 37' 00" E	324 m
Park W[est]	ca.	12° 00' 00" N 2° 50' 00" E	
Pendjari Biosphere Reserve	ca.	11° 20' 00" N 1° 30' 00" E	
(see also: Pendjari National Park)			
Pendjari National Park (see Pendjari Biosphere Reserve)	ca.	11° 20' 00" N 1° 30' 00" E	
Plateau department			
Porga		11° 02' 56" N 0° 58' 21" E	151 m
Porto Novas (see Porto-Novo)		6° 29' 00" N 2° 37' 00" E	38 m
Porto Novo National Botanical Garden (see Porto-Novo)		6° 29' 00" N 2° 37' 00" E	38 m
Porto-Novo		6° 29' 00" N 2° 37' 00" E	38 m
(see also: Borto-Novo, Porto Novas, Porto Novo National Botanical Garden, Portus Novus)			
Porto-Novo or Abomey			
Portus Novus (see Porto-Novo)		6° 29' 00" N 2° 37' 00" E	38 m
Savé		8° 02' 33" N 2° 29' 10" E	252 m
Ségbana		10° 55' 40" N 3° 41' 35" E	255 m
Soubroukou		9° 41' 00" N 1° 38' 00" E	435 m
Tourou		9° 21' 00" N 2° 33' 00" E	311 m
Whedda		6° 45' 00" N 2° 28' 00" E	
Zizonkamé		7° 55' 00" N 2° 01' 00" E	
Zou department			
(see also: Central region |PC:ZO|)			

Botswana:

Aha hills, 10 mi [=16 km] N	ca.	19° 40' 00" S 21° 00' 00" E	
Artesia (see Mosomane)		24° 04' 00" S 26° 15' 00" E	
Botswana			
Camp 7, 25 mi [=40 km] SSE Fort Rietfontein (see also: Fort Rietfontein, 25 mi [=40 km] SSE)		22° 00' 00" S 21° 15' 00" E	
Central district			
Central Kalahari Game Reserve			
Chitabe, Gomoti river, Okavango delta		19° 39' 30" S 23° 22' 07" E	950 m
Chobe district (see also: Kasane county)			
Chobe National Park			
Dautsa Flats, 14 mi [=22.5 km] W Sehithwa (see also: Sehithwa, 14 mi [=22.5 km] W, Sehitwa, 14 mi [=22.5] km W)		20° 34' 48" S 22° 31' 48" E	
Dibete		23° 45' 00" S 26° 26' 00" E	
Digomo De Kai		24° 52' 01" S 24° 31' 01" E	
Drodsky Caves (see also: Drotsky Cave, Drotsky's Caves, Kai Kai, 25 mi [=40 km] SE)		20° 07' 00" S 21° 22' 00" E	
Drotsky Cave (see Drodsky Caves)		20° 07' 00" S 21° 22' 00" E	
Drotsky's Caves (see Drodsky Caves)		20° 07' 00" S 21° 22' 00" E	
Fort Rietfontein, 25 mi [=40 km] SSE (see Camp 7)		22° 00' 00" S 21° 15' 00" E	
Four Rivers Camp		19° 03' 00" S 23° 10' 00" E	
Francistown		21° 10' 00" S 27° 31' 00" E	1001 m
Francistown city council			
Gaberones Village, 5 mi [=8 km] W (see Gaborone, 5 mi [=8 km] W)	ca.	24° 39' 00" S 25° 54' 00" E	
Gaberones, 5 mi [=8 km] W (see Gaborone, 5 mi [=8 km] W)	ca.	24° 39' 00" S 25° 54' 00" E	
Gaborone city council			
Gaborone, 5 mi [=8 km] W (see also: Gaberones Village, 5 mi [=8 km] W, Gaberones, 5 mi [=8 km] W)	ca.	24° 39' 00" S 25° 54' 00" E	
Gemsbok Pan, ca. 25 mi [=40 km] W Sunnyside (see also: Sunnyside, ca. 25 mi [=40 km] W)		21° 40' 00" S 21° 39' 31" E	
Ghansi, 20 mi [=32 km] NE (see Ghanzi, 20 mi [=32 km] NE)		21° 42' 00" S 21° 39' 00" E	
Ghanzi district			
Ghanzi, 20 mi [=32 km] NE (see also: Ghansi, 20 mi [=32 km] NE)		21° 42' 00" S 21° 39' 00" E	
Goho Hills		18° 22' 30" S 24° 07' 30" E	
Gomoti River, Film Camp, Okavango delta, Chitabe		19° 25' 33" S 23° 25' 01" E	
Gomoti River, Highbanks, Okavango delta, Chitabe		19° 25' 11" S 23° 24' 15" E	
Jao Camp, bordering Moremi Game Camp	ca.	19° 15' 00" S 23° 20' 00" E	
Jwaneng town council			
Kai Kai, 18 mi [=29 km] SE	ca.	20° 00' 00" S 21° 15' 00" E	
Kai Kai, 25 mi [=40 km] SE (see Drodsky Caves)		20° 07' 00" S 21° 22' 00" E	
Kaikai, 20 mi [=32 km] SE		18° 52' 00" S 21° 22' 00" E	
Kalahari			
Kanye, near Lobatse (see also: Kaoye)		24° 59' 00" S 25° 19' 00" E	1306 m
Kaoye (see Kanye), Lobatsi district		24° 59' 00" S 25° 19' 00" E	1306 m
Kaporota Training Camp, Vumbura Plains; Zambezi Pan area on Ronnie's Road		19° 00' 25" S 22° 55' 40" E	
Kaporota Training Camp, 5.7 km N		18° 59' 51" S 22° 55' 24" E	
Kasane		17° 49' 00" S 25° 08' 00" E	708 m
Kasane county (see Chobe district)			
Kasungula (see Kazungula)		17° 48' 14" S 25° 14' 29" E	
Kazungula (see also: Kasungula)		17° 48' 14" S 25° 14' 29" E	
Kgalagadi district			
Kgatleng district			
Khuis		26° 39' 28" S 21° 50' 18" E	934 m
Khwai Lodge, 12.9 km W		19° 07' 00" S 23° 35' 00" E	1005 m
Khwai Lodge, 8 km W		19° 07' 00" S 23° 35' 00" E	
Khwai Lodge, 9 km W		19° 06' 00" S 23° 34' 00" E	
Kuke pan (see also: Kuki)		23° 19' 00" S 24° 27' 00" E	1000 m
Kuki (see Kuke pan)		23° 19' 00" S 24° 27' 00" E	1000 m
Kurunxaraga, Cement Camp		19° 37' 30" S 22° 52' 30" E	
Kwaai River		19° 10' 00" S 23° 30' 00" E	
Kwai		19° 32' 00" S 23° 51' 00" E	

Kwara Reserve (NG/20)		18° 55' 37" S 23° 19' 56" E	
Kwebe Hills, 18 mi [=29km] NW		20° 16' 01" S 22° 52' 01" E	
Kweneng district			
Kwi-Habe Hills			
Lethlakeng, Tshana		24° 05' 00" S 25° 03' 00" E	1056 m
(see also: Lethlaking)			
Lethlakeng, 11 mi [=17.7 km] SE, Tshana		24° 13' 00" S 25° 10' 00" E	
Lethlaking (see Lethlakeng), Tshana		24° 05' 00" S 25° 03' 00" E	1056 m
Livingstone Cave		24° 15' 00" S 25° 30' 00" E	
Lobatse		25° 13' 00" S 25° 40' 00" E	1188 m
(see also: Lobatsi)			
Lobatse town council			
Lobatsi (see Lobatse)		25° 13' 00" S 25° 40' 00" E	1188 m
Lobatsi district			
Mababe Flats		18° 45' 00" S 24° 15' 00" E	
Mabeleapodi, 60 km W Sehithwa		22° 12' 47" S 26° 49' 59" E	
(see also: Mabeleapudi, Sehithwa, 60 km W, Sehitwa, 60 km W)			
Mabeleapudi (see Mabeleapodi), 60 km W Sehithwa		22° 12' 47" S 26° 49' 59" E	
Makarinkari, near			
Mamono, 150 mi [=240 km] S			
(see also: Mamuno, 150 mi [=240 km] S)			
Mamuno, 150 mi [=240 km] S (see Mamono, 150 mi [=240 km] S)			
Manzamnyama River (see Nata River)	ca.	20° 14' 00" S 26° 10' 00" E	
Maun		19° 59' 00" S 23° 25' 00" E	927 m
(see also: Mawn)			
Maun county			
Maun, 12 km NE (see Okavango River Lodge)		20° 37' 00" S 22° 38' 00" E	
Maun, 3 km S (see Tsanogo)	ca.	19° 59' 00" S 23° 25' 00" E	
Maun, ca. 80 mi [=129 km] NW (see Splash Camp)		19° 05' 00" S 23° 06' 00" E	
Mawn (see Maun)		19° 59' 00" S 23° 25' 00" E	927 m
Mohembo, Ngamiland		18° 18' 00" S 21° 48' 00" E	997 m
Molepolole		24° 24' 00" S 25° 31' 00" E	1189 m
Moremi Game Reserve, Kwaai River		19° 22' 04" S 23° 03' 26" E	
Mosomane		24° 04' 00" S 26° 15' 00" E	
(see also: Artesia)			
Motusi Village (see Seruli)		22° 17' 00" S 27° 23' 00" E	1026 m
Nata		20° 12' 00" S 26° 11' 00" E	909 m
Nata River	ca.	20° 14' 00" S 26° 10' 00" E	
(see also: Manzamnyama River)			
Nata, 35 mi [=56 km] SW (see N'kata)		20° 15' 00" S 26° 00' 00" E	
Nekate		20° 05' 00" S 26° 01' 00" E	914 m
(see also: Nekati)			
Nekati (see Nekate)		20° 05' 00" S 26° 01' 00" E	914 m
Ngami, lake		20° 30' 00" S 22° 40' 00" E	
Ngamiland district			
(see also: Northeast Bechuanaland)			
Nitani			
N'kata, 35 mi SW Nata		20° 15' 00" S 26° 00' 00" E	
(see also: Nata, 35 mi [=56 km] SW, N'kate)			
N'kate (see N'kata), 35 mi SW Nata		20° 15' 00" S 26° 00' 00" E	
Nokanen (see Nokaneng)		19° 40' 00" S 22° 16' 00" E	957 m
Nokaneng		19° 40' 00" S 22° 16' 00" E	957 m
(see also: Nokanen, Nokaning)			
Nokaneng, 15 mi [=24 km] N		19° 25' 00" S 22° 16' 00" E	
Nokaneng, 25 mi [=40 km] NE			
Nokaning (see Nokaneng)		19° 40' 00" S 22° 16' 00" E	957 m
Northeast Bechuanaland (see Ngamiland district)			
North-East district			
North-West district			
Nthane		21° 22' 00" S 26° 22' 00" E	
Okavango			
Okavango River			
Okavango River Lodge, 12 km NE Maun		20° 37' 00" S 22° 38' 00" E	
(see also: Maun, 12 km NE)			
Pandamatenga, 130 km SW		19° 15' 00" S 24° 45' 00" E	
Pandamatenga, 140 km SW		19° 15' 00" S 24° 45' 00" E	
Pom Pom Okovango		19° 37' 30" S 22° 52' 30" E	
Sehithwa, 10 mi [=16 km] SW		20° 43' 01" S 22° 37' 59" E	
(see also: Sehitwa, 10 mi [=16 km] SW)			
Sehithwa, 14 mi [=22.5 km] W (see Dautsa Flats)		20° 34' 48" S 22° 31' 48" E	
Sehithwa, 60 km W (see Mabeleapodi)		22° 12' 47" S 26° 49' 59" E	
Sehitwa, 10 mi [=16 km] SW (see Sehithwa, 10 mi [=16 km] SW)		20° 43' 01" S 22° 37' 59" E	
Sehitwa, 14 mi [=22.5] km W (see Dautsa Flats)		20° 34' 48" S 22° 31' 48" E	

Sehitwa, 60 km W (see Mabeleapodi)		22° 12' 47" S 26° 49' 59" E	
Selibe Phikwe town council			
Selinda Spillway		18° 35' 00" S 23° 33' 00" E	
Sepopa		18° 37' 00" S 22° 07' 00" E	
(see also: Sepope)			
Sepope (see Sepopa)		18° 37' 00" S 22° 07' 00" E	
Seronga, 116.5 km ESE	ca.	19° 00' 00" S 23° 00' 00" E	1005 m
Seronga, 72 km ESE		19° 06' 00" S 21° 48' 00" E	1000 m
Serowe, 40 mi [=64 km] NW	ca.	22° 23' 00" S 26° 43' 00" E	
Serowe, sewage ponds		22° 24' 11" S 26° 41' 34" E	
Serowe, village 2 km from	ca.	22° 25' 00" S 26° 44' 00" E	
Serula		21° 58' 00" S 27° 20' 00" E	
Seruli		22° 17' 00" S 27° 23' 00" E	1026 m
(see also: Motusi Village)			
Shakawe, Ngamiland		18° 21' 00" S 21° 52' 00" E	983 m
Shakawe, 15 mi [=24 km] S	ca.	18° 37' 00" S 21° 52' 00" E	
Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S		18° 33' 00" S 21° 18' 00" E	
Shakawe, 70 km SW	ca.	18° 33' 00" S 21° 01' 00" E	
Shakawe, near, Okavango River		18° 22' 00" S 21° 51' 00" E	
South-East district			
Southern district			
Sowa Town town council			
Splash Camp, ca. 80 mi [=129 km] NW Maun		19° 05' 00" S 23° 06' 00" E	
(see also: Maun, ca. 80 mi [=129 km] NW)			
Sunnyside, ca. 25 mi [=40 km] W (see Gemsbok Pan)		21° 40' 00" S 21° 39' 31" E	
Tamafuhi (see Tamafupi)		21° 16' 00" S 26° 10' 00" E	
Tamafupi		21° 16' 00" S 26° 10' 00" E	
(see also: Tamafuhi)			
Tamafupi, 33 km N	ca.	20° 57' 38" S 26° 16' 41" E	
Toteng		20° 23' 00" S 22° 57' 00" E	940 m
Tsane (see Tshane), Camp 8		24° 01' 00" S 21° 50' 00" E	1122 m
Tsane, 25 mi [=40 km] ENE		24° 00' 00" S 22° 13' 59" E	
Tsanogo, Maun, 3 km S	ca.	19° 59' 00" S 23° 25' 00" E	
(see also: Maun, 3 km S)			
Tsau		20° 09' 00" S 22° 27' 00" E	958 m
Tshane, Camp 8		24° 01' 00" S 21° 50' 00" E	1122 m
(see also: Tsane)			
Tsodilo Hills		18° 45' 00" S 21° 46' 00" E	
Tsohorogo			
Tsotsoroga Pan		18° 43' 00" S 24° 21' 00" E	
Tuli Block, Gesond Ltd	ca.	22° 12' 00" S 28° 54' 00" E	
Vloorskop		25° 55' 01" S 20° 52' 01" E	959 m
Xugana		19° 05' 00" S 23° 06' 00" E	975 m
Xugana, 13 mi [=21 km] N		18° 57' 00" S 22° 52' 59" E	975 m
Zelu, 3 mi [=4.8 km] W	ca.	22° 10' 12" S 29° 12' 00" E	
Zweizwe Waterhole, North of Tsotsoroga Pan		18° 36' 00" S 24° 22' 00" E	
(see also: Zweizwi River Waterhole)			
Zweizwi River Waterhole (see Zweizwe Waterhole), North of Tsotsoroga Pan		18° 36' 00" S 24° 22' 00" E	

Burkina Faso:

Arly	11° 35' 00" N 1° 28' 00" E	226 m
(see also: Azly)		
Arly National Park	11° 34' 00" N 1° 26' 00" E	ca. 225 m
Azly (see Arly)	11° 35' 00" N 1° 28' 00" E	226 m
Balé province		
Bam province		
Banwa province		
Barga	13° 47' 00" N 2° 16' 00" W	331 m
Barga, 9 km NE	13° 51' 00" N 2° 12' 00" W	
Bazéga province		
Bobo Diulasas (see Bobo-Dioulasso)	11° 10' 38" N 4° 17' 52" W	508 m
Bobo-Dioulasso	11° 10' 38" N 4° 17' 52" W	508 m
(see also: Bobo Diulasas, Bobo-Diulasso, Bobodjulaso)		
Bobo-Diulasso (see Bobo-Dioulasso)	11° 10' 38" N 4° 17' 52" W	508 m
Bobodjulaso (see Bobo-Dioulasso)	11° 10' 38" N 4° 17' 52" W	508 m
Bontioli	10° 53' 00" N 3° 04' 00" W	264 m
Borom (see Boromo)	11° 45' 00" N 2° 56' 00" W	242 m
Boromo	11° 45' 00" N 2° 56' 00" W	242 m
(see also: Borom)		
Boucle du Mouhoun region		
Bougouriba province		
Boulgou province		

Boulkiemdé province			
Boulzanga (see Bourzanga)		13° 40' 41" N 1° 32' 46" W	304 m
Bourzanga		13° 40' 41" N 1° 32' 46" W	304 m
(see also: Boulzanga, Bourzenga)			
Bourzenga (see Bourzanga)		13° 40' 41" N 1° 32' 46" W	304 m
Boussouma, 5 km N		12° 55' 00" N 1° 05' 00" W	ca. 300 m
Bujumbura			
Burkina Faso			
(see also: "Haute Volta")			
Cascades region			
Cella		11° 37' 00" N 0° 22' 00" W	228 m
(see also: Sella)			
Cella, 1 km N		11° 38' 00" N 0° 22' 00" W	ca. 230 m
(see also: Sella, 1 km N)			
Centre region			
Centre-Est region			
Centre-Nord region			
Centre-Ouest region			
Centre-Sud region			
Comoé province			
Comoe River		9° 57' 00" N 4° 38' 00" W	260 m
Diebougou (Airport)		10° 57' 00" N 3° 15' 00" W	984 ft
Dio		13° 20' 00" N 2° 38' 00" W	371 m
Diomga		14° 04' 00" N 0° 03' 00" W	281 m
(see also: Dionga)			
Dionga (see Diomga)		14° 04' 00" N 0° 03' 00" W	281 m
Djipologo		10° 56' 00" N 3° 07' 00" W	253 m
(see also: Jipologo)			
Est region			
Fada N'Gourma		12° 03' 44" N 0° 21' 28" E	294 m
(see also: Fada Ngourma, Fada-n-Gurma)			
Fada Ngourma (see Fada N'Gourma)		12° 03' 44" N 0° 21' 28" E	294 m
Fada-n-Gurma (see Fada N'Gourma)		12° 03' 44" N 0° 21' 28" E	294 m
Finza (see Founzan)		11° 27' 00" N 3° 14' 00" W	270 m
Fô		11° 53' 00" N 4° 31' 00" W	453 m
Fonzan (see Founzan)		11° 27' 00" N 3° 14' 00" W	270 m
Founzan		11° 27' 00" N 3° 14' 00" W	270 m
(see also: Finza, Fonzan, Fouzan)			
Fouzan (see Founzan)		11° 27' 00" N 3° 14' 00" W	270 m
Ganzourgou province			
Gnagna province			
Goden		12° 12' 00" N 2° 04' 00" W	308 m
Gorgadji, 17 km E		14° 02' 00" N 0° 22' 00" W	ca. 300 m
Gourma province			
Hauts-Bassins region			
Houet province			
Ioba province			
Jipologo (see Djipologo)		10° 56' 00" N 3° 07' 00" W	253 m
Kadiogo province			
Kénédougou province			
Komondjari province			
Kompienga province			
Konankira		12° 54' 00" N 3° 54' 00" W	254 m
(see also: Konankoïna, Konankoïne, Konankoira)			
Konankoïna (see Konankira)		12° 54' 00" N 3° 54' 00" W	254 m
Konankoïne (see Konankira)		12° 54' 00" N 3° 54' 00" W	254 m
Konankoira (see Konankira)		12° 54' 00" N 3° 54' 00" W	254 m
Kossi province			
Koumbia		11° 14' 00" N 3° 42' 00" W	317 m
(see also: Kumbia)			
Koupélogo province			
Kourritenga province			
Kourwéogo province			
Koutoura, 5 km SW		10° 19' 00" N 4° 53' 00" W	ca. 300 m
Kumbia (see Koumbia)		11° 14' 00" N 3° 42' 00" W	317 m
Lawra, frontier Ghana-Burkina Fasso	ca.	10° 38' 56" N 2° 56' 17" W	
Léroba province			
Loroum province			
Markoy, 30 km N (see Markoye, 30 km N)		14° 54' 00" N 0° 04' 01" E	
Markoye, 30 km N		14° 54' 00" N 0° 04' 01" E	
(see also: Markoy, 30 km N)			
Mouhoun province			
Nahouri province			
Namentenga province			
Natiaboani		11° 41' 57" N 0° 30' 22" E	268 m
Nayala province			

Nayouré		12° 16' 00" N 0° 15' 00" E	296 m
(see also: Nayouri, Nayuri)			
Nayouré, 3 km SE		12° 15' 00" N 0° 16' 00" E	
(see also: Nayouri, 3 km SE, Nayuri, 3 km SE)			
Nayouri (see Nayouré)		12° 16' 00" N 0° 15' 00" E	296 m
Nayouri, 3 km SE (see Nayouré, 3 km SE)		12° 15' 00" N 0° 16' 00" E	
Nayuri (see Nayouré)		12° 16' 00" N 0° 15' 00" E	296 m
Nayuri, 3 km SE (see Nayouré, 3 km SE)		12° 15' 00" N 0° 16' 00" E	
Nazinga (Game Ranch)		11° 11' 06" N 1° 29' 04" W	
Nobéré, 1 km S		11° 26' 00" N 1° 10' 00" W	
Nobéré, 1.5 km S		11° 36' 00" N 1° 18' 00" W	
Nobéré, 11 km S	ca.	11° 37' 00" N 1° 18' 00" W	
Nobéré, 12 km S	ca.	11° 37' 00" N 1° 18' 00" W	
Nobéré, 2 km S		11° 26' 00" N 1° 10' 00" W	
Nobéré, 9 mi [=14.5 km] S	ca.	11° 26' 00" N 1° 10' 00" W	
Nord region			
Noumbiel province			
Nouna, Southwest San and Koudougou		12° 44' 00" N 3° 52' 00" W	261 m
Ongarou (see Ougarou)		12° 09' 16" N 0° 55' 47" W	261 m
Orodara, 27 km ENE		11° 04' 00" N 4° 41' 00" W	
Ouagadouga (see Ouagadougou)		12° 22' 13" N 1° 31' 29" W	305 m
Ouagadougou		12° 22' 13" N 1° 31' 29" W	305 m
(see also: Ouagadouga, Wagadugu)			
Ouagadougou and Bobodioulasso, village between	ca.	11° 45' 00" N 2° 56' 02" W	
Ouarou (see Ougarou)		12° 09' 16" N 0° 55' 47" W	261 m
Oubritenga province			
Oudalan province			
Ougarou		12° 09' 16" N 0° 55' 47" W	261 m
(see also: Ongarou, Ouarou, Waru)			
Oulo		11° 54' 00" N 2° 59' 00" W	304 m
Oursi		14° 40' 36" N 0° 27' 19" W	266 m
(see also: Oursy)			
Oursy (see Oursi)		14° 40' 36" N 0° 27' 19" W	266 m
Park National de Post Office (see Pô National Park)		11° 20' 00" N 1° 10' 00" W	
Passoré province			
Pétoy (see Pétoye)		14° 35' 00" N 0° 22' 00" W	303 m
Pétoye		14° 35' 00" N 0° 22' 00" W	303 m
(see also: Pétoy)			
Piyiri, 7 km N			
Plateau Central region			
Pô National Park		11° 20' 00" N 1° 10' 00" W	
(see also: Park National de Post Office, Post Office National Park)			
Poni province			
Post Office National Park (see Pô National Park)		11° 20' 00" N 1° 10' 00" W	
Sahel region			
Sanguié province			
Sanmatenga province			
Séguénéga, 6 km SE		13° 24' 00" N 1° 55' 01" W	
Sella (see Cella)		11° 37' 00" N 0° 22' 00" W	228 m
Sella, 1 km N (see Cella, 1 km N)		11° 38' 00" N 0° 22' 00" W	ca. 230 m
Séno province			
Sidéradougou		10° 40' 00" N 4° 15' 00" W	304 m
(see also: Siradougou)			
Siradougou (see Sidéradougou)		10° 40' 00" N 4° 15' 00" W	304 m
Sissili province			
Soum province			
Sourou province			
Sud-Ouest region			
Tambao		14° 48' 00" N 0° 06' 00" E	
Tapoa province			
Tatarko		13° 29' 00" N 0° 02' 00" W	
Tazawat	ca.	14° 40' 36" N 0° 27' 19" W	
Tuy province			
Wagadugu (see Ouagadougou)		12° 22' 13" N 1° 31' 29" W	305 m
Waru (see Ougarou)		12° 09' 16" N 0° 55' 47" W	261 m
Yagha province			
Yatenga province			
Ziro province			
Zondame province			
Zoundwéogo province			

Burundi:

Bubanza province			

Buhanga	3° 39' 00" S 29° 58' 55" E	1828 m
Buhonga	3° 25' 59" S 29° 24' 46" E	1529 m
Buhoro, 10 km W Mabaye (see also: Mabaye, 10 km W)	2° 41' 55" S 29° 11' 08" E	1453 m
Bujumbura (see also: Usumbura)	3° 23' 00" S 29° 22' 00" E	794 m
Bujumbura, 60 km S (see Resha)	3° 54' 00" S 29° 24' 00" E	
Bujumbura, 7 km NW (see also: Bujumbura, 7 km NW)	3° 21' 00" S 29° 18' 00" E	
Bujumbura-Mairie province		
Bujumbura-Rural province		
Bukara	4° 06' 37" S 29° 46' 41" E	
Bukeye commune, Nyamugari hill	3° 11' 40" S 29° 38' 30" E	1875 m
Bukinanyana Commune	2° 52' 50" S 29° 20' 10" E	1543 m
Burundi		
Bururi	3° 57' 04" S 29° 37' 00" E	1836 m
Bururi Forest Reserve (see also: Bururi, réserve naturelle forestière de)	3° 56' 20" S 29° 35' 50" E	
Bururi province		
Bururi, réserve naturelle forestière de (see Bururi Forest Reserve)	3° 56' 20" S 29° 35' 50" E	
Busiga	2° 52' 35" S 29° 44' 03" E	1829 m
Bweru	3° 19' 25" S 30° 28' 15" E	1684 m
Cankuzo province		
Cibitoke	2° 53' 13" S 29° 07' 29" E	1020 m
Cibitoke province		
Cohoha, lake (see also: Lac Cohoha, Lake Cohoha)	2° 30' 00" S 30° 07' 00" E	
Colline Giserama (see Giserama, colline), Kibira National Park, Ndora Zone	2° 50' 27" S 29° 25' 07" E	2045 m
Colline Kwogofe (see Kwogofe, colline), Kibira National Park, Ndora Zone	2° 50' 00" S 29° 25' 00" E	
Gifuruzi (see Kifuruzi)	4° 18' 57" S 29° 35' 06" E	
Gihanga (see also: Kihanga)	3° 11' 41" S 29° 17' 43" E	814 m
Giheta	3° 20' 00" S 29° 50' 00" E	
Giserama, colline, Kibira National Park, Ndora Zone (see also: Colline Giserama, Kirumura, 1.1 - 2.1 km N, 0.8 - 1.1 km E)	2° 50' 27" S 29° 25' 07" E	2045 m
Gitega (see also: Kitega)	3° 25' 35" S 29° 55' 51" E	1845 m
Gitega province		
Grotte de Rubindi (see Rubindi)	4° 15' 37" S 29° 34' 31" E	997 m
Ijenda Mission	3° 39' 00" S 29° 34' 00" E	
Imbo	3° 13' 00" S 29° 20' 00" E	
Kaniosha (see Kanyosha)	3° 24' 41" S 29° 21' 40" E	844 m
Kanyinya	2° 35' 25" S 30° 04' 55" E	1508 m
Kanyosha (see also: Kaniosha)	3° 24' 41" S 29° 21' 40" E	844 m
Karonge	3° 02' 43" S 29° 20' 01" E	1226 m
Karuzi province		
Kayanza	2° 55' 20" S 29° 37' 20" E	1957 m
Kayanza province		
Kayanza, 15 km W (see Rwegura)	2° 55' 05" S 29° 31' 10" E	2311 m
Kibimba Mission	3° 18' 00" S 29° 48' 32" E	1730 m
Kibira National Park, 2.3 km N, 0.7 km W Teza (see also: Teza, 2.3 km N, 0.7 km W)	3° 12' 57" S 29° 33' 49" E	
Kifuruzi (see also: Gifuruzi)	4° 18' 57" S 29° 35' 06" E	
Kigamba	3° 04' 00" S 30° 31' 00" E	1532 m
Kigwena Hill	4° 08' 38" S 29° 32' 07" E	918 m
Kihanga (see Gihanga)	3° 11' 41" S 29° 17' 43" E	814 m
Kinazi	2° 23' 00" S 29° 58' 00" E	
Kiremba Mission	3° 56' 00" S 29° 41' 00" E	
Kirumura, 1.1 - 2.1 km N, 0.8 - 1.1 km E (see Giserama, colline), Kibira National Park, Ndora Zone	2° 50' 27" S 29° 25' 07" E	2045 m
Kirundo province		
Kitega (see Gitega)	3° 25' 35" S 29° 55' 51" E	1845 m
Kwogofe, colline, Kibira National Park, Ndora Zone (see also: Colline Kwogofe)	2° 50' 00" S 29° 25' 00" E	
Lac Cohoha (see Cohoha, lake)	2° 30' 00" S 30° 07' 00" E	
Lake Cohoha (see Cohoha, lake)	2° 30' 00" S 30° 07' 00" E	
Mabaye (see Mabayi)	2° 42' 30" S 29° 14' 35" E	1436 m
Mabaye, 10 km W (see Buhoro)	2° 41' 55" S 29° 11' 08" E	1453 m
Mabayi (see also: Mabaye)	2° 42' 30" S 29° 14' 35" E	1436 m

Makamba		4° 08' 05" S 29° 48' 18" E	1472 m
Makamba province			
Mpinga cave (see Mpinga Mission)		3° 44' 10" S 30° 10' 40" E	1930 m
Mpinga Mission, 46 km from Rutana		3° 44' 10" S 30° 10' 40" E	1930 m
(see also: Mpinga cave, Rutana, 46 km from)			
Mumushwizi Valley		3° 55' 11" S 29° 35' 01" E	1880 m
Muramvya province			
Murore		3° 11' 15" S 30° 39' 45" E	1826 m
Mutumba Mission		3° 35' 00" S 29° 22' 00" E	
Muyebe		3° 29' 49" S 29° 46' 44" E	1764 m
Muyinga province			
Mwaro province			
Mweya, near Gitega		3° 29' 25" S 29° 55' 42" E	1762 m
Ngozi province			
Nyagatarugwa River Valley		3° 55' 00" S 29° 35' 00" E	1785 m
Nyamugari hill		3° 18' 00" S 29° 45' 00" E	2590 m
Nyankanda, protestant mission		3° 17' 25" S 30° 19' 05" E	1553 m
Nyankende		3° 55' 00" S 30° 00' 00" E	
Nyanza (see Nyanza-Lac)		4° 20' 39" S 29° 35' 37" E	772 m
Nyanza territory	ca.	4° 20' 00" S 29° 35' 43" E	
Nyanza-Lac		4° 20' 39" S 29° 35' 37" E	772 m
(see also: Nyanza)			
Nyanza-Lac, 10 km N	ca.	4° 20' 08" S 29° 35' 43" E	
Resha, 60 km S Bujumbura		3° 54' 00" S 29° 24' 00" E	
(see also: Bujumbura, 60 km S)			
Rubindi		4° 15' 37" S 29° 34' 31" E	997 m
(see also: Grotte de Rubindi)			
Rugari mission		2° 43' 45" S 30° 24' 00" E	1651 m
Ruhinga Hill		3° 55' 13" S 29° 35' 18" E	2170 m
Rumonge		3° 58' 20" S 29° 26' 20" E	809 m
Rumonge province			
Rushubi mine		3° 20' 55" S 29° 29' 11" E	ca. 1743 m
Rusizi		3° 16' 00" S 29° 14' 00" E	
Rusizi delta		3° 21' 00" S 29° 16' 00" E	
(see also: Russissi, bank)			
Russissi, bank (see Rusizi delta)		3° 21' 00" S 29° 16' 00" E	
Rutana		3° 55' 09" S 29° 59' 37" E	1810 m
Rutana province			
Rutana, 46 km from (see Mpinga Mission)		3° 44' 10" S 30° 10' 40" E	1930 m
Ruyigi		3° 28' 35" S 30° 14' 55" E	1842 m
Ruyigi province			
Rwegura		2° 55' 00" S 29° 31' 10" E	2311 m
(see also: Kayanza, 15 km W)			
Rwintare		3° 30' 46" S 29° 39' 28" E	2111 m
(see also: Rwintare Mission)			
Rwintare Mission (see Rwintare)		3° 30' 46" S 29° 39' 28" E	2111 m
Teza, 2.3 km N, 0.7 km W (see Kibira National Park)		3° 12' 57" S 29° 33' 49" E	
Tora		3° 41' 15" S 29° 33' 40" E	2186 m
Usumbura (see Bujumbura)		3° 23' 00" S 29° 22' 00" E	794 m
Vumbi (see Vumbi-Bukuba)		2° 41' 56" S 30° 06' 13" E	1788 m
Vumbi-Bukuba		2° 41' 56" S 30° 06' 13" E	1788 m
(see also: Vumbi)			
Zimet Quarter		3° 24' 00" S 29° 21' 00" E	

Cameroon:

Aboulou, 8 km SW Akoabas		2° 18' 00" N 12° 04' 00" E	572 m
Adamaoua plateau			
Adamaoua region			
Agyati, on the Bamenda - Bafut road			
Ajos Höhe (see Ayos Heights)		3° 54' 00" N 12° 31' 00" E	578 m
Akomolinga (see Akonolinga)		3° 46' 00" N 12° 15' 00" E	520 m
Akonolinga		3° 46' 00" N 12° 15' 00" E	520 m
(see also: Akomolinga)			
Alen, 3 km W of Maan		2° 23' 00" N 10° 34' 00" E	197 m
Ambam, 10 km S, 5 km E		2° 17' 00" N 11° 19' 00" E	
Ambam, 13 km S, 5 km E		2° 16' 00" N 11° 21' 00" E	
Amban, 13 km S, 8 km E		2° 16' 00" N 11° 21' 00" E	
Ayos Heights		3° 54' 00" N 12° 31' 00" E	
(see also: Ajos Höhe)			
Ayos Road, Mvoutesi II		3° 15' 00" N 11° 48' 00" E	
(see also: MVE II)			
Ayos, 67 km W (see Njombo River)		3° 39' 00" N 11° 58' 00" E	457 m
Ayos, near		3° 53' 00" N 12° 31' 00" E	
(see also: Mben River)			

Bafia area	ca.	4° 45' 00" N 11° 14' 00" E	ca. 467 m
Bafut		6° 05' 00" N 10° 06' 00" E	1231 m
Bafut Agyati, 2 km E	ca.	6° 05' 00" N 10° 06' 00" E	
Bake river bridge, 1 km S, 4.25 km W Baro (see also: Baro, 1 km S, 4.25 km W)		5° 16' 00" N 9° 13' 00" E	
Bali		5° 53' 00" N 11° 01' 00" E	1415 m
Balue mountains			
Bamenda		5° 56' 00" N 10° 10' 00" E	1614 m
Bamenda division (see Mezan division)		6° 00' 00" N 10° 25' 00" E	
Bamenda, 14 km E	ca.	5° 57' 00" N 10° 10' 00" E	
Bamumbo			
Bamundjinda			
Bana		5° 09' 00" N 10° 16' 00" E	1486 m
Banga Bakundu	ca.	4° 50' 00" N 9° 20' 00" E	
Banjun			
Banso Highlands	ca.	6° 10' 00" N 10° 40' 00" E	ca. 1850 m
Banyo, 30 km ESE	ca.	6° 47' 00" N 12° 00' 00" E	
Baro		5° 15' 00" N 9° 13' 00" E	
Baro, 1 km S, 4.25 km W (see Bake river bridge)		5° 16' 00" N 9° 13' 00" E	
Baromb Kang, 4 mi S Kumba (see also: Kumba, 4 mi [=6.4 km] S, Kumba, 6 km S)		4° 36' 40" N 9° 27' 21" E	
Barombi Fishing Village		4° 39' 00" N 9° 24' 00" E	288 m
Barombi, Lake (see also: Barombi-Mbo, lake, Lake Barombi, Lake Barombi-Mbo)		4° 39' 00" N 9° 25' 00" E	457 m
Barombi, SE shore lake (see also: Lake Barombi, SE shore)		4° 27' 00" N 9° 15' 00" E	
Barombi, south shore lake (see also: Lake Barombi, south shore)		4° 39' 00" N 9° 25' 00" E	
Barombi, west side lake (see also: Lake Barombi, west side)		4° 39' 00" N 9° 25' 00" E	
Barombi-Mbo Lake shore, 46 mi [=74 km] ???		4° 40' 28" N 9° 23' 23" E	288 m
Barombi-Mbo, lake (see Barombi, Lake)		4° 39' 00" N 9° 25' 00" E	457 m
Basal Mission		4° 39' 00" N 9° 26' 00" E	243 m
Bascho (see Basho)		6° 08' 00" N 9° 26' 00" E	267 m
Bashauo (see Basho)		6° 08' 00" N 9° 26' 00" E	267 m
Basho (see also: Bascho, Bashauo)		6° 08' 00" N 9° 26' 00" E	267 m
Batanga			
Batoke, near Bota (see also: Batoki)		4° 01' 49" N 9° 06' 04" E	79 m
Batoki (see Batoke), near Bota		4° 01' 49" N 9° 06' 04" E	79 m
Batouri district (see also: Batowri district)	ca.	4° 25' 00" N 14° 20' 00" E	
Batowri district (see Batouri district)	ca.	4° 25' 00" N 14° 20' 00" E	
Bébaé (see also: Bebai)		2° 45' 00" N 11° 05' 00" E	483 m
Bebai (see Bébaé)		2° 45' 00" N 11° 05' 00" E	483 m
Bélabo		4° 56' 00" N 13° 18' 00" E	610 m
Bele / Adjola		2° 12' 00" N 14° 37' 00" E	
Benoue, upper valley (see Upper Benoue Valley)			
Bertoua, 25 km NE (see also: Bertua, 25 km NE, Gamane, 25 km NE)		4° 44' 35" N 13° 50' 34" E	
Bertoua, 30 km W		4° 35' 00" N 13° 25' 00" E	
Bertoua, 30 km W (see also: Bertua, 30 km W, Gamane, 30 km W)	ca.	4° 35' 00" N 13° 24' 47" E	
Bertua, 25 km NE (see Bertoua, 25 km NE)		4° 44' 35" N 13° 50' 34" E	
Bertua, 30 km W (see Bertoua, 30 km W)	ca.	4° 35' 00" N 13° 24' 47" E	
Besogabang		5° 44' 00" N 9° 17' 00" E	550 m
Bez			
Biafra bay, coast	ca.	3° 20' 00" N 9° 50' 00" E	
Bibundi		4° 13' 00" N 8° 59' 00" E	0 m
Biggil, near Fort-Foureau	ca.	12° 04' 37" N 15° 01' 50" E	
Bimbia, near Victoria, near Limbe		3° 57' 16" N 9° 14' 42" E	98 m
Bini, Lac (see Bini, Lake)		7° 26' 00" N 13° 33' 00" E	
Bini, Lake (see also: Bini, Lac, Lac Bini, Lake Bini)		7° 26' 00" N 13° 33' 00" E	
Bipindi		3° 05' 00" N 10° 25' 00" E	184 m
Bipindi, 10 km W		3° 05' 00" N 10° 25' 00" E	ca. 300 m
Bisoro Balve (see Bissoro)		4° 45' 20" N 9° 10' 25" E	435 m
Bissoro (see also: Bisoro Balve)		4° 45' 20" N 9° 10' 25" E	435 m
Bitye, on Ja/Dja River		3° 01' 00" N 12° 22' 00" E	616 m
Bokwango, near Buéa		4° 08' 19" N 9° 13' 28" E	877 m

Bokwango, near	ca.	4° 08' 19" N 9° 13' 28" E	
Bonge			
Bota		4° 01' 43" N 9° 11' 15" E	109 m
Bota, 48 km W (see Idenao)		4° 15' 00" N 8° 55' 00" E	
Boteke Village, 3 km S Buéa Station		4° 06' 00" N 9° 12' 00" E	
(see also: Buéa Station, 3 km S)			
Bouba Ndjida National Park		8° 37' 42" N 14° 40' 05" E	
(see also: Réserve de Chasse et Forestière de Boubanjidda, Réserve du Bouba Ndjidda)			
Bougouma (see Boukma)		8° 32' 00" N 13° 55' 00" E	254 m
Boukma		8° 32' 00" N 13° 55' 00" E	254 m
(see also: Bougouma, Boukouma, Buguma)			
Boukouma (see Boukma)		8° 32' 00" N 13° 55' 00" E	254 m
Bova Village, 4 km N Buéa Station		4° 26' 09" N 9° 12' 55" E	354 m
(see also: Buéa Station, 4 km N)			
Buéa		4° 09' 34" N 9° 14' 12" E	
(see also: Buea, Buéa town forest, Mountain Hut 1)			
Buea (see Buéa)		4° 09' 34" N 9° 14' 12" E	
Buéa Station area		4° 07' 00" N 9° 13' 00" E	
Buéa station, 2 km S (see Small Soppo [forest])		4° 07' 00" N 9° 12' 00" E	
Buéa Station, 2 km W		4° 09' 00" N 9° 12' 00" E	
Buéa Station, 3 km S (see Boteke Village)		4° 06' 00" N 9° 12' 00" E	
Buéa Station, 3 km SW		4° 08' 00" N 9° 12' 00" E	
Buéa station, 30 km N (see Mawutu Village)		4° 24' 00" N 9° 12' 00" E	
Buéa Station, 30 mi [=48 km] N (see Muyuka)		4° 17' 50" N 9° 24' 20" E	43 m
Buéa Station, 4 km N (see Bova Village)		4° 10' 00" N 9° 12' 00" E	
Buea station, 40 km N		4° 16' 00" N 9° 24' 00" E	
Buéa station, 40 km N (see Meanja)		4° 16' 00" N 9° 24' 00" E	
Buéa town forest (see Buéa)		4° 09' 34" N 9° 14' 12" E	
Buéa West Farm		4° 09' 00" N 9° 13' 00" E	
Buéa, 16 km N (see CDC Banana Research Station)		4° 09' 00" N 9° 13' 00" E	
Buéa, 48 km N (see Muyuka)		4° 15' 00" N 9° 24' 00" E	
Buéa, near		4° 09' 00" N 9° 12' 00" E	1050 m
Buguma (see Boukma)		8° 32' 00" N 13° 55' 00" E	254 m
Bukamba (see Ngoumé)		5° 29' 00" N 11° 24' 00" E	681 m
Bunduma Village, 4 km N Buéa Station		4° 11' 00" N 9° 13' 00" E	
Buta		4° 00' 36" N 9° 09' 00" E	
C39, 30 km N		2° 36' 00" N 13° 36' 00" E	
Cameroon			
Cameroon Mountain cave		4° 09' 00" N 9° 13' 00" E	1200 m
Camp II	ca.	4° 47' 00" N 9° 43' 00" E	1100 m
Camp III, near Buéa	ca.	4° 09' 00" N 9° 13' 00" E	1200 m
Camp IV		6° 10' 00" N 10° 25' 00" E	2100 m
Camp V			
Campo		2° 22' 00" N 9° 49' 00" E	0 m
(see also: Campo Aka, Kampo)			
Campo Aka (see Campo)		2° 22' 00" N 9° 49' 00" E	0 m
Campo National Park		2° 23' 00" N 10° 06' 00" E	
(see also: Campo, Reserve, Réserve de faune de Campo)			
Campo, Reserve (see Campo National Park)		2° 23' 00" N 10° 06' 00" E	
CDC Banana Research Station, 16 km N Buéa		4° 09' 00" N 9° 13' 00" E	
(see also: Buéa, 16 km N)			
CDC Rest House (see Victoria)		4° 00' 00" N 9° 12' 00" E	
Centre region			
Daré, 10 km N (see Mayo Darlé, 10 km N)	ca.	6° 28' 00" N 11° 33' 00" E	
Daré, 6 km N (see Mayo Darlé, 6 km N)	ca.	6° 28' 00" N 11° 33' 00" E	
De Somo, Bamenda road (see Somo - Bamenda road)			
Dijgan			
Dikoumé		4° 14' 42" N 9° 29' 36" E	
(see also: Dikume)			
Dikume (see Dikoumé)		4° 14' 42" N 9° 29' 36" E	
Dikumé-Balué, Camp V		5° 30' 00" N 9° 15' 00" E	
Dimako		4° 23' 00" N 13° 35' 00" E	680 m
Dja Biosphere Reserve	ca.	3° 09' 00" N 13° 00' 00" E	
Dja River	ca.	3° 00' 00" N 13° 00' 00" E	
(see also: Ja River)			
Djaposten		3° 25' 00" N 13° 32' 00" E	719 m
Djohong		6° 50' 00" N 14° 42' 00" E	1242 m
(see also: Doumba)			
Dokoa		4° 22' 00" N 11° 44' 00" E	469 m
(see also: Ondokoa)			
Douala		4° 02' 49" N 9° 42' 30" E	0 m
(see also: Doula, Duala)			
Douala airport		4° 04' 00" N 9° 43' 00" E	

Douala airport, 3 km E	ca.	4° 04' 00" N 9° 43' 00" E	
Douala airport, 5 km E	ca.	4° 04' 00" N 9° 43' 00" E	
Douala-Edéa Game Reserve (see Douala-Edéa, réserve de)	ca.	3° 30' 00" N 9° 50' 00" E	
Douala-Edéa, réserve de	ca.	3° 30' 00" N 9° 50' 00" E	
(see also: Douala-Edéa Game Reserve)			
Doula (see Douala)		4° 02' 49" N 9° 42' 30" E	0 m
Doumba (see Djohong)		6° 50' 00" N 14° 42' 00" E	1242 m
Duala (see Douala)		4° 02' 49" N 9° 42' 30" E	0 m
Ebam, 15 km SE		3° 46' 00" N 12° 57' 00" E	694 m
Ebogo, 10 km SW Mbalmayo		3° 24' 00" N 11° 28' 00" E	316 m
Ebolowa		2° 54' 00" N 11° 09' 00" E	636 m
Ebolowa, 20 km ESE (see Nkoetyé)		2° 55' 00" N 11° 08' 00" E	
Edéa		3° 48' 00" N 10° 08' 00" E	25 m
Efoulan		2° 47' 00" N 10° 32' 00" E	421 m
(see also: Efoulen, Efulan, Efulen, Efulén)			
Efoulen (see Efoulan)		2° 47' 00" N 10° 32' 00" E	421 m
Efulan (see Efoulan)		2° 47' 00" N 10° 32' 00" E	421 m
Efulen (see Efoulan)		2° 47' 00" N 10° 32' 00" E	421 m
Efulén (see Efoulan)		2° 47' 00" N 10° 32' 00" E	421 m
Ekona, Chop farm		4° 15' 00" N 9° 19' 00" E	1067 m
(see also: Ekowa)			
Ekongolo Sanaga, near Nachtigal		4° 21' 00" N 11° 41' 00" E	
Ekowa (see Ekona)		4° 15' 00" N 9° 19' 00" E	1067 m
Elat		2° 40' 00" N 10° 51' 00" E	
Eséka		3° 39' 00" N 10° 46' 00" E	245 m
(see also: Eseka)			
Eseka (see Eséka)		3° 39' 00" N 10° 46' 00" E	245 m
Eséka, 15 km SW	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 15 km W	ca.	3° 40' 00" N 10° 45' 00" E	
Eseka, 3 km S, 3 km W		3° 37' 00" N 10° 45' 00" E	
Eséka, 3 km S, 3 km W		3° 37' 00" N 10° 45' 00" E	
Eséka, 5 km SW		3° 37' 00" N 10° 45' 00" E	
(see also: Eseka, 5 km SW)			
Eseka, 5 km SW (see Eséka, 5 km SW)		3° 37' 00" N 10° 45' 00" E	
Eséka, 6 km SE	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 7 km N	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 8 km SW	ca.	3° 40' 00" N 10° 45' 00" E	
Eséka, 9 km N		3° 39' 00" N 10° 46' 00" E	
(see also: Eseka, 9 km N)			
Eseka, 9 km N (see Eséka, 9 km N)		3° 39' 00" N 10° 46' 00" E	
Eséka, 9 km SE		3° 43' 53" N 10° 46' 00" E	
Eshobe (see Eshobi)		5° 47' 00" N 9° 23' 00" E	538 m
Eshobi		5° 47' 00" N 9° 23' 00" E	538 m
(see also: Eshobe)			
Esosoung (see Essosong)		4° 51' 37" N 9° 43' 49" E	912 m
Essosong		4° 51' 37" N 9° 43' 49" E	912 m
(see also: Esosoung)			
Est region			
Extrême-Nord region			
Eyen Meyong (see Eyenméyong)		4° 11' 00" N 11° 13' 00" E	484 m
Eyenméyong		4° 11' 00" N 11° 13' 00" E	484 m
(see also: Eyen Meyong)			
Faro Forest and Faunal Reserve (see Faro, Réserve)		8° 10' 00" N 12° 35' 00" E	
Faro National Park (see Faro, Réserve)		8° 10' 00" N 12° 35' 00" E	
Faro, Réserve		8° 10' 00" N 12° 35' 00" E	
(see also: Faro Forest and Faunal Reserve, Faro National Park, Parc National du Faro, Réserve de Chasse et Forestière du Faro, Réserve du Faro)			
Fenda		2° 48' 00" N 10° 24' 00" E	
Fort Fureau (see Kousséri)		12° 04' 37" N 15° 01' 50" E	271 m
Fort-Foureau (see Kousséri)		12° 04' 37" N 15° 01' 50" E	271 m
Foulassi, 6 km NNW Sangmélima		2° 59' 00" N 11° 58' 00" E	565 m
(see also: Sangmélima, 6 km NNW)			
Galim		7° 06' 00" N 12° 29' 00" E	1120 m
Gamane, 25 km NE (see Bertoua, 25 km NE)		4° 44' 35" N 13° 50' 34" E	
Gamane, 30 km W (see Bertoua, 30 km W)	ca.	4° 35' 00" N 13° 24' 47" E	
Gaoyanga (see Ngaouyanga)		7° 54' 00" N 13° 36' 00" E	610 m
Garoua		9° 18' 00" N 13° 24' 00" E	165 m
(see also: Garua)			
Garoua, 24 km S, 13 km E		9° 05' 00" N 13° 30' 00" E	
Garoua, 25 mi S			
Garua (see Garoua)		9° 18' 00" N 13° 24' 00" E	165 m
Goyanga (see Ngaouyanga)		7° 54' 00" N 13° 36' 00" E	610 m

Great Sopo (see also: Great Soppo Forest)		4° 09' 17" N 9° 14' 34" E	824 m
Great Soppo Forest (see Great Sopo)		4° 09' 17" N 9° 14' 34" E	824 m
Guemé (see also: Guené)		10° 30' 30" N 15° 09' 31" E	304 m
Guené (see Guemé)		10° 30' 30" N 15° 09' 31" E	304 m
Gwando		4° 09' 00" N 9° 12' 00" E	1067 m
Gwofong, 10 km E (see Gwofong, 10 km E) (see also: Gwofong, 10 km E)		6° 51' 00" N 9° 48' 00" E	
Hardé 1		10° 35' 41" N 14° 20' 14" E	403 m
Hardé 2		10° 35' 30" N 14° 19' 51" E	422 m
Hippopotamus Campside, Faro river	ca.	8° 23' 00" N 12° 48' 00" E	
Hotel Mizao		10° 35' 59" N 14° 18' 44" E	403 m
Huki			
Idenao, 48 km W Bota (see also: Bota, 48 km W)		4° 15' 51" N 9° 02' 50" E	531 m
Idenau, 48 km W Bota		4° 14' 00" N 8° 59' 00" E	38 m
Indian division (see Ndian division)	ca.	4° 50' 00" N 8° 50' 00" E	
Indian Estates			
Isobi (see also: Isolwe, Isove)		4° 07' 15" N 8° 59' 33" E	56 m
Isolwe (see Isobi)		4° 07' 15" N 8° 59' 33" E	56 m
Isongo (see also: Izongo, Port Isongo)		4° 04' 44" N 9° 01' 26" E	5 m
Isove (see Isobi)		4° 07' 15" N 8° 59' 33" E	56 m
Izongo (see Isongo)		4° 04' 44" N 9° 01' 26" E	5 m
Ja River (see Dja River)		3° 00' 00" N 13° 00' 00" E	
Jabassi (see Yabassi)		4° 27' 16" N 9° 57' 56" E	16 m
Jágua (see Yagoua)		10° 20' 34" N 15° 14' 26" E	313 m
Jaúnde (see Yaoundé)		3° 52' 00" N 11° 31' 00" E	726 m
Joko, 34 km S (see Yoko, 34 km S)		5° 31' 00" N 12° 18' 00" E	
Kalamaloué forest and game reserve (see Kalamaloué, réserve forestière et de chasse)		12° 08' 00" N 14° 54' 00" E	
Kalamaloué, réserve forestière et de chasse, 7 mi [= 11 km] WNW Kousseri (see also: Kalamaloué forest and game reserve, Kousséri, 7 mi [=11 km] WNW, Réserve forestière et de chasse de Kalamaloué)		12° 08' 00" N 14° 54' 00" E	
Kampo (see Campo)		2° 22' 00" N 9° 49' 00" E	0 m
Kanyol (see also: Kanyol)		2° 43' 00" N 15° 17' 00" E	448 m
Kanyol (see Kanyol)		2° 43' 00" N 15° 17' 00" E	448 m
Keboko, 8 km W			
Keboko, 9 km W			
Khmba (see Kumba)			
Kiribi (see Kribi)		2° 58' 00" N 9° 55' 00" E	
Kiribi, 14 km N (see Kribi, 14 km N)		3° 04' 00" N 9° 54' 00" E	
Kiribi, 4 km E (see Kribi, 4 km E)		2° 57' 00" N 9° 57' 00" E	
Kiribi, 7 km E (see Kribi, 7 km E)		2° 57' 00" N 9° 58' 00" E	
Kiribi, 7 mi [=11.3 km] N (see Kribi, 7 mi [=11.3 km] N)		2° 55' 00" N 9° 55' 00" E	
Kiribi, 9 km N (see Kribi, 9 km N)		3° 01' 00" N 9° 54' 00" E	
Kiribi, 9 km W (see Kribi, 9 km W)		2° 57' 00" N 9° 49' 00" E	
Klein Batanga (see Petit Batanga)		3° 11' 55" N 9° 55' 36" E	0 m
Kloa		4° 39' 00" N 9° 26' 00" E	
Kombé-Tiko (see also: Kombetiko, Konbé tiko)		4° 40' 00" N 14° 35' 00" E	676 m
Kombetiko (see Kombé-Tiko)		4° 40' 00" N 14° 35' 00" E	676 m
Konbé tiko (see Kombé-Tiko)		4° 40' 00" N 14° 35' 00" E	676 m
Kong			
Korup Forest Reserve (see Korup National Park)	ca.	5° 12' 05" N 8° 53' 36" E	
Korup National Park (see also: Korup Forest Reserve)	ca.	5° 12' 05" N 8° 53' 36" E	
Koum (see also: Kum)		8° 23' 00" N 14° 31' 00" E	358 m
Kounden		5° 42' 00" N 10° 40' 00" E	1326 m
Koundja (see also: Kounja, Kundja)		5° 37' 00" N 10° 45' 00" E	1182 m
Kounja (see Koundja)		5° 37' 00" N 10° 45' 00" E	1182 m
Koupé, Mount (see Mount Kupé)			
Kousri (see Kousséri)		12° 04' 37" N 15° 01' 50" E	271 m
Kousséri (see also: Fort Fureau, Fort-Foureau, Kousri, Koussri, Kusseri)		12° 04' 37" N 15° 01' 50" E	271 m
Kousséri, 7 mi [=11 km] WNW (see Kalamaloué, réserve forestière et de chasse)		12° 08' 00" N 14° 54' 00" E	
Koussri (see Kousséri)		12° 04' 37" N 15° 01' 50" E	271 m

Koutaba		5° 42' 00" N 10° 49' 00" E	1113 m
Koza		10° 52' 08" N 13° 52' 51" E	485 m
Kribi		2° 57' 00" N 9° 55' 00" E	13 m
(see also: Kiribi)			
Kribi, 14 km N		3° 04' 00" N 9° 54' 00" E	
(see also: Kiribi, 14 km N)			
Kribi, 4 km E		2° 57' 00" N 9° 57' 00" E	
(see also: Kiribi, 4 km E)			
Kribi, 7 km E		2° 57' 00" N 9° 58' 00" E	
(see also: Kiribi, 7 km E)			
Kribi, 7 mi [=11.3 km] N		2° 55' 00" N 9° 55' 00" E	
(see also: Kiribi, 7 mi [=11.3 km] N)			
Kribi, 8 km SE		2° 56' 00" N 9° 56' 00" E	
Kribi, 9 km N		3° 01' 00" N 9° 54' 00" E	
(see also: Kiribi, 9 km N)			
Kribi, 9 km W		2° 57' 00" N 9° 49' 00" E	
(see also: Kiribi, 9 km W)			
Kul's (see Zoulabot II)		2° 54' 00" N 13° 53' 00" E	517 m
Kum (see Koum)		8° 23' 00" N 14° 31' 00" E	358 m
Kumba			
(see also: Khmba)			
Kumba		4° 38' 38" N 9° 26' 19" E	257 m
Kumba division (see Meme division)		4° 50' 00" N 9° 20' 00" E	
Kumba, 15 km S		4° 39' 00" N 9° 26' 00" E	
Kumba, 19 km S		4° 38' 00" N 9° 25' 00" E	
Kumba, 35 km W, 4 km N (see Ongoo)		4° 39' 00" N 9° 25' 00" E	
Kumba, 4 mi [=6.4 km] S (see Baromb Kang)		4° 39' 00" N 9° 25' 00" E	549 m
Kumba, 5 mi [=8 km] SE (see Mukonje)		4° 36' 00" N 9° 30' 00" E	250 m
Kumba, 6 km S (see Baromb Kang)		4° 39' 00" N 9° 25' 00" E	549 m
Kundja (see Koundja)		5° 37' 00" N 10° 45' 00" E	
Kupe (see Mount Koupé)		4° 48' 05" N 9° 42' 29" E	
Kupé, Mount (see Mount Koupé)		4° 48' 05" N 9° 42' 29" E	
Kusseri (see Kousséri)		12° 04' 37" N 15° 01' 50" E	271 m
Lac Bini (see Bini, Lake)		7° 26' 00" N 13° 33' 00" E	
Lake Barombi (see Barombi, Lake)		4° 39' 00" N 9° 25' 00" E	457 m
Lake Barombi, SE shore (see Barombi, SE shore lake)		4° 27' 00" N 9° 15' 00" E	
Lake Barombi, south shore (see Barombi, south shore lake)		4° 39' 00" N 9° 25' 00" E	
Lake Barombi, west side (see Barombi, west side lake)		4° 39' 00" N 9° 25' 00" E	
Lake Barombi-Mbo (see Barombi, Lake)		4° 39' 00" N 9° 25' 00" E	457 m
Lake Baromi, Johan-Albrechtshöhe		4° 38' 00" N 9° 23' 00" E	210 m
Lake Bini (see Bini, Lake)		7° 26' 00" N 13° 33' 00" E	
Lake Manenguba	ca.	5° 00' 00" N 9° 50' 00" E	
Lake Oku (see Oku lake)			
Lake Ossa	ca.	3° 49' 00" N 10° 08' 00" E	
Lake Tisongo (see Tisongo, Lake)		3° 25' 00" N 9° 54' 00" E	
Lékoun		4° 13' 00" N 11° 14' 00" E	499 m
Lélo		4° 20' 00" N 14° 07' 00" E	610 m
Lelodorf (see Lolodorf), on Lokoundgé river		3° 14' 00" N 10° 44' 00" E	412 m
Likoko Mimbia, near Buea		4° 08' 41" N 9° 13' 39" E	
(see also: Likoko Village)			
Likoko Village (see Likoko Mimbia), near Buea		4° 08' 41" N 9° 13' 39" E	
Likomba, near Tiko		4° 05' 37" N 9° 19' 55" E	124 m
Limbe, near Victoria		4° 00' 46" N 9° 13' 13" E	136 m
(see also: Victoria)			
Little Batanga (see Petit Batanga)		3° 11' 55" N 9° 55' 36" E	0 m
Littoral region			
Lobala, 12 km S, 4 km E			
Lobe			
Lolabé		2° 40' 00" N 9° 51' 00" E	
Lolodorf, on Lokoundgé river		3° 14' 00" N 10° 44' 00" E	412 m
(see also: Lelodorf, Lolodrof)			
Lolodorf, 20 mi [=32 km] N	ca.	3° 16' 00" N 10° 49' 00" E	
Lolodrof (see Lolodorf), on Lokoundgé river		3° 14' 00" N 10° 44' 00" E	412 m
Lombé, near Douala-Edéa Game Reserve		3° 38' 02" N 9° 59' 10" E	1 m
(see also: Lombe)			
Lombe (see Lombé), Douala-Edéa Game Reserve, near		3° 38' 02" N 9° 59' 10" E	1 m
Lomié		3° 10' 00" N 13° 37' 00" E	611 m
Lomié district	ca.	3° 10' 00" N 13° 37' 00" E	
Lomié, 1 km ESE	ca.	3° 09' 00" N 13° 35' 00" E	
Lomié, 10 km SE		3° 09' 00" N 13° 34' 00" E	427 m
Lomié, 4 km from	ca.	3° 09' 00" N 13° 35' 00" E	
Lomié, 40 km N		3° 09' 00" N 13° 35' 00" E	
Longi (see Longji)		3° 04' 31" N 9° 58' 40" E	15 m
Longji		3° 04' 31" N 9° 58' 40" E	15 m
(see also: Longi, Longuy, Longuyi)			

Longuy (see Longji)		3° 04' 31" N 9° 58' 40" E	15 m
Longuyi (see Longji)		3° 04' 31" N 9° 58' 40" E	15 m
Loulou		4° 26' 00" N 12° 57' 00" E	
(see also: Lulu)			
Lower Ekona		4° 15' 00" N 9° 24' 00" E	
Lulu (see Loulou)		4° 26' 00" N 12° 57' 00" E	
Lumbindu			
Ma'an, near Ebolowa		2° 22' 00" N 10° 38' 00" E	
Mabetta (see Maneta), 5 km E Victoria		4° 01' 20" N 9° 17' 08" E	151 m
Malako River, Ntui, 5 km N		4° 27' 00" N 11° 37' 00" E	
(see also: Ntui, 5 km N)			
Malanga (River)			
Malen I		3° 21' 00" N 12° 53' 00" E	639 m
(see also: Malene I village)			
Malende Swamp area		4° 21' 00" N 9° 26' 00" E	ca. 50 m
Malene I village (see Malen I)		3° 21' 00" N 12° 53' 00" E	639 m
Malondo Village, 2 km W (see Mkwikane cave)			
Mamfe		5° 46' 00" N 9° 17' 00" E	459 m
(see also: Ossidinge, Ossidingi)			
Mamfe, 12 km SE	ca.	5° 47' 00" N 9° 18' 00" E	
Mamfe, 15 km SE	ca.	5° 40' 15" N 9° 22' 45" E	
Man O'War Bay, near Victoria		3° 57' 30" N 9° 13' 00" E	139 m
Mana Bridge (see Mana Suspension Bridge)		5° 00' 28" N 8° 52' 17" E	
Mana Suspension Bridge		5° 00' 28" N 8° 52' 17" E	
(see also: Mana Bridge)			
Manengouba mountains	ca.	5° 00' 00" N 9° 50' 00" E	ca. 1000 m
(see also: Manenguba mountains, Mont Manengouba, Mount Manengouba)			
Manengouba, lake	ca.	5° 00' 00" N 9° 50' 00" E	
(see also: Manenguba, lake)			
Manenguba mountains (see Manengouba mountains)	ca.	5° 00' 00" N 9° 50' 00" E	ca. 1000 m
Manenguba, lake (see Manengouba, lake)	ca.	5° 00' 00" N 9° 50' 00" E	
Maneta, 5 km E Victoria		4° 00' 00" N 9° 15' 00" E	
(see also: Mabetta, Victoria, 5 km E)			
Mang		3° 20' 00" N 14° 02' 00" E	608 m
Mangamba [Big Farm]		5° 30' 00" N 9° 00' 00" E	
Manguémé (see Mengémé Village)		3° 15' 00" N 11° 24' 00" E	591 m
Maroua		10° 35' 44" N 14° 19' 29" E	384 m
(see also: Marua)			
Marua (see Maroua)		10° 35' 44" N 14° 19' 29" E	384 m
Mawoutou Village (see Mawutu Village), 30 km N Buéa station		4° 24' 00" N 9° 12' 00" E	
Mawutu Village, 30 km N Buéa station, 30 km N C39		4° 24' 00" N 9° 12' 00" E	
(see also: Buéa station, 30 km N, Mawoutou Village)			
Mayo Daré, 10 km N (see Mayo Darlé, 10 km N)	ca.	6° 28' 00" N 11° 33' 00" E	
Mayo Daré, 6 km N (see Mayo Darlé, 6 km N)	ca.	6° 28' 00" N 11° 33' 00" E	
Mayo Darlé, 10 km N	ca.	6° 28' 00" N 11° 33' 00" E	
(see also: Daré, 10 km N, Mayo Daré, 10 km N)			
Mayo Darlé, 6 km N	ca.	6° 28' 00" N 11° 33' 00" E	
(see also: Daré, 6 km N, Mayo Daré, 6 km N)			
Mayo Vaimba river		8° 40' 30" N 14° 26' 51" E	
Mayuka (see Muyuka)		4° 17' 50" N 9° 24' 20" E	43 m
Mbakaou		6° 19' 00" N 12° 49' 00" E	833 m
Mbalmajo (see Mbalmayo)		3° 31' 00" N 11° 30' 00" E	335 m
Mbalmayo		3° 31' 00" N 11° 30' 00" E	335 m
(see also: Mbalmajo)			
Mbalmayo road	ca.	3° 31' 00" N 11° 30' 00" E	
Mbalmayo, near	ca.	3° 31' 00" N 11° 30' 00" E	
Mben River (see Ayos, near)		3° 53' 00" N 12° 31' 00" E	
Mbokaon			
Mbonde Pygmee, N of Bafia	ca.	5° 22' 00" N 11° 16' 00" E	
Mbongé		4° 32' 11" N 9° 06' 40" E	0 m
(see also: M'bonge)			
M'bonge (see Mbongé)		4° 32' 11" N 9° 06' 40" E	0 m
Mbouda, 15 km SSE	ca.	5° 38' 00" N 10° 15' 00" E	
Mboumo		3° 41' 00" N 13° 04' 00" E	
(see also: M'Boumo)			
M'Boumo (see Mboumo)		3° 41' 00" N 13° 04' 00" E	
Meanja, 40 km N Buéa station		4° 16' 23" N 9° 23' 32" E	66 m
(see also: Buéa station, 40 km N)			
Mebueme Village (see Mengémé Village)		3° 15' 00" N 11° 24' 00" E	591 m
Mebueme, 6 km W (see Soumou River)		3° 15' 00" N 11° 24' 00" E	
Meiganda (see Meïganga)		6° 31' 00" N 14° 18' 00" E	978 m
Meïganga		6° 31' 00" N 14° 18' 00" E	978 m
(see also: Meiganda)			

Melen		3° 51' 00" N 11° 30' 00" E	
Meme division		4° 50' 00" N 9° 20' 00" E	
(see also: Kumba division)			
Meng River, 6 km NW Tibati		6° 28' 00" N 12° 38' 00" E	
(see also: Tibati, 6 km NW)			
Mengémé Village		3° 15' 00" N 11° 24' 00" E	591 m
(see also: Manguémé, Mebueme Village, Mengueme)			
Mengueme (see Mengémé Village)		3° 15' 00" N 11° 24' 00" E	591 m
Mengueme River, 6 km W (see Soumou River)		3° 18' 00" N 11° 30' 00" E	
Mesaména district (see Messaména district)	ca.	3° 44' 00" N 12° 50' 00" E	
Mesea		3° 00' 00" N 14° 06' 00" E	
Messaména district	ca.	3° 44' 00" N 12° 50' 00" E	
(see also: Mesaména district)			
Metchum River, 10 km E Gwofong	ca.	5° 56' 00" N 10° 07' 00" E	
Metek (see Métet), 62 km NNW Sangmélima		3° 26' 00" N 11° 45' 00" E	485 m
Métet, 62 km NNW Sangmélima		3° 26' 00" N 11° 45' 00" E	485 m
(see also: Metek, Metet, Nyong River, near, Sangmélima, 62 km NNW)			
Metet (see Métet), Sangmelima, 62 km NNW		3° 26' 00" N 11° 43' 00" E	485 m
Mey Joss			
Meyo Nkoulou, 15 km SE Ambam		2° 16' 00" N 11° 02' 00" E	
Mezan division			
(see also: Bamenda division)			
Miéri		4° 15' 00" N 13° 59' 00" E	611 m
Mintjaminyumin (see Mintyaminyoumin), 4 km NNE Sangméelima		3° 01' 00" N 12° 02' 00" E	794 m
(see also: Sangmélima, 4 km NNE)			
Mintyaminyoumin, 4 km NNE Sangméelima		3° 01' 00" N 12° 02' 00" E	794 m
(see also: Mintjaminyumin)			
Mkwikane cave, 2 km W Malondo Village			
(see also: Malondo Village, 2 km W)			
Moba [stream]		2° 47' 00" N 14° 30' 00" E	
Mobange-Isongo		4° 05' 00" N 9° 00' 00" E	0 m
(see also: Mubange, Mubenge)			
Mokolo		10° 44' 25" N 13° 48' 10" E	760 m
Mokolo - Mayo Louti road		10° 42' 00" N 13° 44' 00" E	
Moliko		4° 09' 34" N 9° 16' 55" E	594 m
Moliko, CDC Banana plantation		4° 09' 00" N 9° 12' 00" E	
Moliwe, 11.3 km N of Victoria		4° 03' 59" N 9° 14' 48" E	174 m
(see also: Victoria, 11.3 km N)			
Mont Manengouba (see Manengouba mountains)	ca.	5° 00' 00" N 9° 50' 00" E	1000 m
Moukonyé (see Mukonje)		4° 35' 02" N 9° 30' 18" E	113 m
Mount Cameroon		4° 12' 00" N 9° 11' 00" E	1768 m
Mount Cameroon, south side	ca.	4° 03' 00" N 9° 05' 00" E	750 m
Mount Koupé		4° 48' 05" N 9° 42' 29" E	
(see also: Kupe, Kupé, Mount, Mount Kupé)			
Mount Kupé (see Mount Koupé)		4° 48' 05" N 9° 42' 29" E	
(see also: Koupé, Mount)			
Mount Kupé, N side			
Mount Manengouba (see Manengouba mountains)	ca.	5° 00' 00" N 9° 50' 00" E	1000 m
Mountain Hut 1 (see Buéa)		4° 09' 00" N 9° 12' 00" E	
Mouyouka (see Muyuka), 48 km N Buéa		4° 17' 50" N 9° 24' 20" E	43 m
Mpundu		4° 14' 19" N 9° 24' 33" E	8 m
(see also: Mungo River, forest across)			
Mpundu district			
Mubange (see Mobange-Isongo)		4° 05' 00" N 9° 00' 00" E	0 m
Mubenge (see Mobange-Isongo)		4° 05' 00" N 9° 00' 00" E	0 m
Muéa (see Muyuka)		4° 17' 50" N 9° 24' 20" E	43 m
Mueli		4° 23' 00" N 9° 07' 00" E	600 m
Mueli, above			
Mukonje, 5 mi [=8 km] SE Kumba		4° 35' 02" N 9° 30' 18" E	113 m
(see also: Kumba, 5 mi [=8 km] SE, Moukonyé, Mukonye)			
Mukonye (see Mukonje)		4° 35' 02" N 9° 30' 18" E	113 m
Mukowje			
Mungo Anchoncho, [Moungo river?]		4° 03' 00" N 9° 33' 00" E	
Mungo River, East bank		4° 02' 50" N 9° 33' 41" E	
Mungo River, forest across (see Mpundu)		4° 13' 00" N 9° 24' 00" E	
Murkoryé			
Musaké, 25 km from Obala (???)	ca.	4° 12' 00" N 9° 12' 00" E	
Muyuka, 48 km N Buéa		4° 17' 50" N 9° 24' 20" E	43 m
(see also: Buéa Station, 30 mi [=48 km] N, Buéa, 48 km N, Mayuka, Mouyouka, Muéa, Muyuna Town)			
Muyuna Town (see Muyuka)		4° 17' 50" N 9° 24' 20" E	43 m

Mvé II, 60 km W Yaoundé, on Ayos road		3° 54' 00" N 11° 43' 00" E	752 m
MVE II (see Ayos Road, Mvoutesi II)		3° 15' 00" N 11° 48' 00" E	
Mvengé, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)		3° 16' 00" N 11° 00' 00" E	
Mvengé, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)		3° 16' 00" N 11° 00' 00" E	
Mvengé, 6 km W (see Mvengué, 6 km W)		3° 17' 00" N 11° 01' 00" E	
Mvengu, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)		3° 16' 00" N 11° 00' 00" E	
Mvengu, 6 km W (see Mvengué, 6 km W)		3° 17' 00" N 11° 01' 00" E	
Mvengué, 3 km W, 1 km N (see also: Mvengé, 3 km W, 1 km N, Mvengé, 3 km W, 1 km N, Mvengu, 3 km W, 1 km N)		3° 16' 00" N 11° 00' 00" E	
Mvengué, 6 km W (see also: Mvengé, 6 km W, Mvengu, 6 km W, Mvingé, 6 km W)		3° 17' 00" N 11° 01' 00" E	
Mvingé, 6 km W (see Mvengué, 6 km W)		3° 17' 00" N 11° 01' 00" E	
Mvoutési II, 60 km W Yaoundé, on Ayos road (see also: Yaoundé, 60 km W, on Ayos road)		3° 15' 00" N 11° 48' 00" E	614 m
Nachtigal		4° 21' 00" N 11° 38' 00" E	454 m
Nanga-Eboko, 30 km E		4° 41' 00" N 12° 22' 00" E	631 m
Nanga-Eboko, 82 km NE			
Ndian division (see also: Indian division)	ca.	4° 50' 00" N 8° 50' 00" E	
Ndian River		4° 45' 00" N 8° 44' 00" E	
Ndjolé (see also: Ndjoré)		4° 49' 00" N 11° 56' 00" E	608 m
Ndjolé, 4 km N	ca.	4° 49' 00" N 11° 56' 00" E	ca. 600 m
Ndjolé, 6 km N	ca.	4° 49' 00" N 11° 56' 00" E	ca. 600 m
Ndjoré (see Ndjolé)		4° 49' 00" N 11° 56' 00" E	608 m
Ndokoa		4° 22' 00" N 11° 44' 00" E	
N'Dui (see Ntui)		4° 27' 00" N 11° 38' 00" E	558 m
Nemeyong (see Néméyong I)		3° 19' 00" N 12° 55' 00" E	642 m
Néméyong I (see also: Nemeyong)		3° 19' 00" N 12° 55' 00" E	642 m
Ngaaouyanga (see Ngaouyanga)		7° 54' 00" N 13° 36' 00" E	610 m
Ngam, 6? km NNW Sangmélima		2° 47' 00" N 11° 54' 00" E	592 m
Ngaoundéré (see also: Ngaundéré)		7° 19' 00" N 13° 35' 00" E	1212 m
Ngaoundéré, 13 km S		7° 12' 00" N 13° 36' 00" E	
Ngaoundéré, 14 km N	ca.	7° 20' 00" N 13° 35' 00" E	
Ngaoundéré, 14 km S		7° 19' 00" N 13° 35' 00" E	
Ngaoundéré, 85 km S			
Ngaouyanga (see also: Gaoyanga, Goyanga, Ngaaouyanga)		7° 54' 00" N 13° 36' 00" E	610 m
Ngaundéré (see Ngaoundéré)		7° 19' 00" N 13° 35' 00" E	1212 m
Ngia			
Ngobilo		4° 20' 00" N 10° 37' 00" E	218 m
Ngome's (see Ngoumé)		5° 29' 00" N 11° 24' 00" E	681 m
Ngoumé (see also: Bukamba, Ngome's)		5° 29' 00" N 11° 24' 00" E	681 m
Nguilili		2° 07' 00" N 15° 20' 00" E	
Njia, SW, Gore and Nana Barya Rivers	ca.	7° 07' 00" N 12° 50' 00" E	
Njombo River, 67 km W Ayos (see also: Ayos, 67 km W)		3° 39' 00" N 11° 58' 00" E	ca. 457 m
Nki National Park		2° 28' 50" N 14° 28' 10" E	
Nkoélon village (see Nkoélon-Mvini)		2° 23' 50" N 10° 02' 41" E	
Nkoélon-Mvini (see also: Nkoélon village)		2° 23' 50" N 10° 02' 41" E	
Nkoetyé, 20 km ESE Ebolowa (see also: Ebolowa, 20 km ESE)		2° 52' 00" N 11° 19' 00" E	714 m
Nkolbison (see Nkolbisson)		3° 53' 00" N 11° 27' 00" E	739 m
Nkolbisson (see also: Nkolbison)		3° 53' 00" N 11° 27' 00" E	739 m
Nkolé Koul village (see Nkolékoul)		3° 20' 00" N 12° 53' 00" E	
Nkolékoul (see also: Nkolé Koul village)		3° 20' 00" N 12° 53' 00" E	
Nkometou		4° 03' 00" N 11° 33' 00" E	613 m
Nojole, 12 km S			
Nojole, 6 km N			
Nord region			
Nord-Ouest region			
Nsanakang (see also: Nsankang, Nsannakang)		5° 53' 00" N 8° 59' 00" E	137 m
Nsankang (see Nsanakang)		5° 53' 00" N 8° 59' 00" E	137 m
Nsannakang (see Nsanakang)		5° 53' 00" N 8° 59' 00" E	137 m

Ntem department		2° 45' 00" N 11° 20' 00" E	
Ntui		4° 27' 00" N 11° 38' 00" E	558 m
(see also: N'Dui, Ntwi)			
Ntui, 11 km N	ca.	4° 27' 00" N 11° 38' 00" E	
Ntui, 5 km N (see Malako River)	ca.	4° 27' 00" N 11° 38' 00" E	
Ntui, 7 km N	ca.	4° 27' 00" N 11° 38' 00" E	
Ntwi (see Ntui)		4° 27' 00" N 11° 38' 00" E	558 m
Nyasoso (see Nyassosso)		4° 49' 42" N 9° 40' 55" E	1078 m
Nyassosso		4° 49' 42" N 9° 40' 55" E	1078 m
(see also: Nyasoso)			
Nyong River, near (see Métet)		3° 26' 00" N 11° 45' 00" E	485 m
Obala		4° 10' 00" N 11° 32' 00" E	539 m
Obala, 12 km S, 11 km E		4° 09' 00" N 11° 31' 00" E	
Obala, 12 km S, 4 km E		4° 10' 00" N 11° 32' 00" E	
Obala, 12 km S, 4 km E		4° 09' 00" N 11° 21' 00" E	
Obala, 30 km N, 40 km E		4° 22' 00" N 11° 58' 00" E	
Obala, 55 km NE	ca.	4° 22' 00" N 11° 58' 00" E	
Obala, 6 km E (by road)	ca.	4° 10' 00" N 11° 32' 00" E	
Obala, 82 km NE		4° 46' 00" N 11° 51' 00" E	
Okola		4° 01' 00" N 11° 23' 00" E	700 m
Oku lake	ca.	6° 15' 00" N 10° 26' 00" E	
(see also: Lake Oku)			
Olangina			
Olounou		2° 49' 00" N 12° 08' 00" E	658 m
Ondokoa (see Dokoa)		4° 22' 00" N 11° 44' 00" E	469 m
Ongoo, 35 km W, 4 km N Kumba (near Mukono)		4° 39' 00" N 9° 25' 00" E	
(see also: Kumba, 35 km W, 4 km N)			
Ossa, Lake	ca.	3° 49' 00" N 10° 08' 00" E	
Ossidinge (see Mamfe)		5° 47' 00" N 9° 18' 00" E	133 m
Ossidingi (see Mamfe)		5° 47' 00" N 9° 18' 00" E	133 m
Ototomo		3° 39' 00" N 11° 19' 00" E	761 m
(see also: Ottotom, Ottotomo, Ottotumo)			
Ottotom (see Ototomo)		3° 39' 00" N 11° 19' 00" E	761 m
Ottotomo (see Ototomo)		3° 39' 00" N 11° 19' 00" E	761 m
Ottotumo (see Ototomo)		3° 39' 00" N 11° 19' 00" E	761 m
Ouest region			
Oveng		2° 25' 00" N 12° 16' 00" E	608 m
Parc National du Faro (see Faro, Réserve)		8° 10' 00" N 12° 35' 00" E	
Petit Batanga		3° 11' 55" N 9° 55' 36" E	0 m
(see also: Klein Batanga, Little Batanga)			
Poli		8° 29' 00" N 13° 15' 00" E	780 m
Pont Makabay		10° 34' 24" N 14° 16' 55" E	420 m
Pont Rouge		10° 35' 48" N 14° 18' 54" E	402 m
Pont Vert		10° 35' 58" N 14° 20' 15" E	404 m
Port Isongo (see Isongo)		4° 04' 44" N 9° 01' 26" E	5 m
Rei Bouba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river		8° 36' 00" N 14° 11' 00" E	224 m
Rei Buba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river		8° 40' 00" N 14° 11' 00" E	224 m
Reï-Bouba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river		8° 40' 00" N 14° 11' 00" E	224 m
Réserve de Chasse et Forestière de Boubanjidda (see Bouba Ndjida National Park)		8° 37' 42" N 14° 40' 05" E	
Réserve de Chasse et Forestière du Faro (see Faro, Réserve)		8° 10' 00" N 12° 35' 00" E	
Réserve de faune de Campo (see Campo National Park)		2° 23' 00" N 10° 06' 00" E	
Réserve du Bouba Ndjidda (see Bouba Ndjida National Park)		8° 37' 42" N 14° 40' 05" E	
Réserve du Faro (see Faro, Réserve)		8° 10' 00" N 12° 35' 00" E	
Réserve forestière et de chasse de Kalamaloué (see Kalamaloué, réserve forestière et de chasse)		12° 08' 00" N 14° 54' 00" E	
Rey Bouba, on Mayou Rei, attribute of the Bénoué river		8° 40' 00" N 14° 11' 00" E	224 m
(see also: Rei Bouba, Rei Buba, Reï-Bouba)			
Rumpi highlands (see Rumpi Hills)		4° 49' 56" N 9° 10' 23" E	
Rumpi Hills		4° 49' 56" N 9° 10' 23" E	
(see also: Rumpi highlands, Rumysi Hilus)			
Rumysi Hilus (see Rumpi Hills)		4° 49' 56" N 9° 10' 23" E	
Sakbayémé, on Sanaga River		4° 02' 00" N 10° 34' 00" E	141 m
(see also: Song-Sag, Zakbayeme)			
Sakbayémé, 26 km NE, Sanaga River, N bank	ca.	4° 05' 00" N 10° 35' 00" E	
Sangmelima		2° 56' 00" N 11° 59' 00" E	
Sangmélima		2° 56' 00" N 11° 59' 00" E	543 m
Sangmelima, 4 km NNE		2° 56' 00" N 11° 59' 00" E	
Sangmélima, 4 km NNE (see Mintjaminyumin)		2° 56' 00" N 11° 59' 00" E	
Sangmélima, 6 km NNW (see Foulassi)		2° 59' 00" N 11° 58' 00" E	

Sangmélima, 6? km NNW (see Sangmélima, 6? km NNW)		2° 56' 00" N 11° 59' 00" E	
(see also: Sangmélima, 6? km NNW)			
Sangmelima, 62 km NNW		3° 26' 00" N 11° 43' 00" E	
Sangmélima, 62 km NNW (see Métet)		3° 26' 00" N 11° 43' 00" E	
Saxenhof		4° 05' 54" N 9° 13' 02" E	469 m
Sir		10° 33' 00" N 13° 41' 00" E	750 m
Small Sopo [forest] (see Small Soppo [forest]), 2 km S Buéa station		4° 08' 17" N 9° 14' 37" E	738 m
Small Soppo [forest], 2 km S Buéa station		4° 08' 17" N 9° 14' 37" E	738 m
(see also: Buéa station, 2 km S, Small Sopo [forest])			
Somalomo		3° 23' 00" N 12° 44' 00" E	629 m
Somo - Bamenda road			
(see also: De Somo, Bamenda road)			
Son Jem			
Song-Sag (see Sakbayémé), on Sanaga River		4° 02' 00" N 10° 34' 00" E	141 m
Sou Mou River (see Soumou River)		3° 15' 00" N 11° 24' 00" E	
Soulabot (see Zoulabot II)		2° 54' 00" N 13° 53' 00" E	517 m
Soumou River, 6 km W Mebueme		3° 15' 00" N 11° 24' 00" E	
(see also: Mebueme, 6 km W, Mengueme River, 6 km W, Sou Mou River)			
Sousak			
Sud region			
Sud-Ouest region			
Sulabot (see Zoulabot II)		2° 54' 00" N 13° 53' 00" E	517 m
Tello		7° 10' 00" N 14° 11' 00" E	1426 m
Tibati		6° 28' 00" N 12° 38' 00" E	838 m
Tibati air strip		6° 28' 00" N 12° 38' 00" E	748 m
Tibati, 6 km NW (see Meng River)		6° 28' 00" N 12° 38' 00" E	
Tiko		4° 04' 28" N 9° 22' 12" E	64 m
Tiko, near	ca.	4° 04' 28" N 9° 22' 12" E	
Tisongo, Lake		3° 25' 00" N 9° 54' 00" E	
(see also: Lake Tisongo)			
Tombel		4° 45' 06" N 9° 40' 22" E	593 m
Tonde		4° 55' 00" N 13° 54' 00" E	
Tote Tea Forest		4° 09' 00" N 9° 13' 00" E	
Touroua		9° 05' 00" N 12° 58' 00" E	202 m
(see also: Turua)			
Turua (see Touroua)		9° 05' 00" N 12° 58' 00" E	202 m
Upper Benoue Valley			
(see also: Benoue, upper valley)			
Victoria		4° 00' 36" N 9° 09' 36" E	
Victoria (see Limbe)		4° 00' 46" N 9° 13' 13" E	136 m
(see also: CDC Rest House)			
Victoria, 11.3 km N (see Moliwe)		4° 03' 59" N 9° 14' 48" E	174 m
Victoria, 5 km E (see Maneta)		4° 00' 00" N 9° 15' 00" E	
Wakwa		7° 14' 00" N 13° 35' 00" E	1143 m
Waza		11° 23' 41" N 14° 34' 09" E	321 m
(see also: Waza Lareski)			
Waza Lareski (see Waza)		11° 23' 41" N 14° 34' 09" E	321 m
Waza, 35 km N	ca.	11° 25' 00" N 14° 34' 00" E	
West Cameroon			
Yabasi (see Yabassi)		4° 27' 16" N 9° 57' 56" E	16 m
Yabassi		4° 27' 16" N 9° 57' 56" E	16 m
(see also: Jabassi, Yabasi, Yabazi)			
Yabazi (see Yabassi)		4° 27' 16" N 9° 57' 56" E	16 m
Yagoua		10° 20' 34" N 15° 14' 26" E	313 m
(see also: Jágua, Yagua)			
Yagoua or Waza	ca.	11° 00' 00" N 15° 00' 00" E	
Yagua (see Yagoua)		10° 20' 34" N 15° 14' 26" E	313 m
Yaoundé		3° 52' 00" N 11° 31' 00" E	726 m
(see also: Jaúnde, Yaounde)			
Yaounde (see Yaoundé)		3° 52' 00" N 11° 31' 00" E	
Yaounde station melen 5		3° 51' 00" N 11° 31' 00" E	
Yaoundé station melen 5		3° 51' 00" N 11° 31' 00" E	
Yaoundé, 150 km from, on Yoko road	ca.	4° 55' 00" N 12° 00' 00" E	
Yaoundé, 16 km S, 2 km E		3° 43' 00" N 11° 32' 00" E	
Yaoundé, 23 km S, 1 km E		3° 40' 00" N 11° 32' 00" E	
Yaoundé, 25 km S 3 km E		3° 35' 00" N 11° 33' 00" E	
Yaounde, 60 km W		3° 15' 00" N 11° 48' 00" E	
Yaoundé, 60 km W, on Ayos road (see Mvoutési II)		3° 15' 00" N 11° 48' 00" E	
Yaoundé, 7 km S, 8 km W		3° 48' 00" N 11° 27' 00" E	
Yaoundé, 9 km S, 10 km W		3° 47' 00" N 11° 25' 00" E	
Yaoundé, due S		3° 52' 00" N 11° 31' 00" E	2500 ft
Ydé			

Yokadouma, near		3° 31' 00" N 15° 03' 00" E	
Yoko, 15 km S	ca.	5° 32' 00" N 12° 19' 00" E	
Yoko, 34 km S		5° 31' 00" N 12° 18' 00" E	
(see also: Joko, 34 km S)			
Yoko, 5 km from	ca.	5° 32' 00" N 12° 19' 00" E	
Yoko, 5 km S		5° 28' 00" N 12° 20' 00" E	
Zakbayeme (see Sakbayémé), on Sanaga River		4° 02' 00" N 10° 34' 00" E	141 m
Zoulabot II		2° 54' 00" N 13° 53' 00" E	517 m
(see also: Kul's, Soulabot, Sulabot)			

Canary Islands (Spain):

Agaete		28° 07' 00" N 15° 42' 00" W	109 m
Barranco de La Cantera		28° 22' 00" N 16° 39' 00" W	300 m
Canary Islands (Spain)			
Cuevas de los murciélagos		28° 45' 45" N 17° 50' 24" W	
(see also: Cuevas de Marcos)			
Cuevas de Marcos (see Cuevas de los murciélagos)		28° 45' 45" N 17° 50' 24" W	
Gran Canaria			
La Cuancha, island			
La Gomera, island			
La Palma		28° 40' 00" N 17° 50' 00" W	
Las Palmas (see Las Palmas de Gran Canaria)		28° 05' 59" N 15° 24' 48" W	
Las Palmas de Gran Canaria		28° 05' 59" N 15° 24' 48" W	
(see also: Las Palmas, Palmas)			
Laurisilva forest, near Los Tilos	ca.	28° 47' 23" N 17° 48' 12" W	
Los Tilos Nature Reserve (see Reserva Los Tilos)		28° 47' 39" N 17° 47' 55" W	
Orotava		28° 46' 00" N 17° 45' 00" W	
Palmas (see Las Palmas de Gran Canaria)		28° 05' 59" N 15° 24' 48" W	
Reserva Los Tilos, Los Sauces		28° 47' 39" N 17° 47' 55" W	
(see also: Los Tilos Nature Reserve)			
Tenerife		28° 19' 00" N 16° 34' 00" W	

Cape Verde:

Barlavento archipelago			
Boa Vista island			
Brava island			
Cape Verde			
Faja de Baixo	ca.	16° 35' 00" N 24° 15' 00" W	
Fogo		14° 55' 00" N 24° 25' 00" W	
Fogo island			
Maio (see Vila do Maio)		15° 08' 00" N 23° 13' 00" W	4 m
Maio island		15° 15' 00" N 23° 10' 00" W	
Monte Pedroso, ribeira de, 3 km S Ribeira de Barca	ca.	15° 10' 00" N 23° 45' 00" E	
Nossa Senhora da Luz (see Vila do Maio)		15° 08' 00" N 23° 13' 00" W	4 m
Pedra Badejo		15° 08' 00" N 23° 33' 00" W	
Port Ingles (see Vila do Maio)		15° 08' 00" N 23° 13' 00" W	4 m
Porto Inglez (see Vila do Maio)		15° 08' 00" N 23° 13' 00" W	4 m
Ribeira Grande		17° 11' 00" N 25° 04' 00" W	40 m
Sal island			
San Filipo (see São Filipe)		14° 54' 00" N 24° 31' 00" W	77 m
Santiago island			
Santo Antão island			
São Filipe		14° 54' 00" N 24° 31' 00" W	77 m
(see also: San Filipo, Sao Filipo, St. Filippe, Vila de São Filippe, Vila São Filipe)			
Sao Filipo (see São Filipe)		14° 54' 00" N 24° 31' 00" W	77 m
São Nicolau island			
São Vicente		16° 50' 00" N 25° 00' 00" W	
São Vicente island			
Sotavento archipelago			
St. Filippe (see São Filipe)		14° 54' 00" N 24° 31' 00" W	77 m
Trindade		14° 57' 00" N 23° 34' 00" W	124 m
Vila de São Filippe (see São Filipe)		14° 54' 00" N 24° 31' 00" W	77 m
Vila do Maio		15° 08' 30" N 23° 12' 30" W	4 m
(see also: Maio, Nossa Senhora da Luz, Port Ingles, Porto Inglez)			
Vila do Maio, 2 km N	ca.	15° 10' 00" N 23° 13' 00" W	
Vila São Filipe (see São Filipe)		14° 54' 00" N 24° 31' 00" W	77 m

Central African Republic:

Badingua, 25 km N Makorou		7° 30' 00" N 19° 35' 00" E	
(see also: Makorou, 25 km N)			

Bambari, 300 km NE Bangui		5° 46' 05" N 20° 40' 32" E	465 m
(see also: Bangui, 300 km NE)			
Bamingui		7° 34' 00" N 20° 11' 00" E	456 m
Bamingui-Bangoran National Park		7° 55' 00" N 20° 15' 00" E	469 m
Bamingui-Bangoran prefecture			
Bangaran (see Bangoran)		8° 04' 51" N 20° 20' 43" E	418 m
Bangassou		4° 44' 00" N 22° 49' 00" E	457 m
(see also: Bangassu, Bangasu)			
Bangassu (see Bangassou)		4° 44' 00" N 22° 49' 00" E	457 m
Bangasu (see Bangassou)		4° 44' 00" N 22° 49' 00" E	457 m
Bangoran		8° 04' 51" N 20° 20' 43" E	418 m
(see also: Bangaran)			
Bangui		4° 22' 00" N 18° 35' 00" E	369 m
Bangui area	ca.	4° 22' 00" N 18° 35' 00" E	
Bangui or Boukoko	ca.	4° 06' 00" N 18° 12' 00" E	
Bangui prefecture			
Bangui, 10 km from (I) (see Landjia)		4° 22' 00" N 18° 39' 00" E	
Bangui, 10 km from (II) (see Mpoko)	ca.	4° 24' 00" N 18° 31' 00" E	
Bangui, 120 km N (see Bozo)		5° 08' 26" N 18° 28' 44" E	
Bangui, 300 km NE (see Bambari)		5° 46' 05" N 20° 40' 32" E	465 m
Basse-Kotto prefecture			
Bébé cave	ca.	3° 49' 55" N 17° 50' 45" E	
(see also: Grotte de Bébé, Grotte de Bolé)			
Birao		10° 17' 00" N 22° 47' 00" E	469 m
Bohou River	ca.	6° 32' 47" N 23° 24' 46" E	
Bolé cave	ca.	3° 49' 55" N 17° 50' 45" E	
Bosum (see Bozoum)		6° 19' 00" N 16° 23' 00" E	721 m
Bouar		5° 57' 00" N 15° 36' 00" E	1046 m
(see also: Buar)			
Boukoko		3° 54' 00" N 17° 56' 00" E	559 m
(see also: Bukoko)			
Boukoko or La Maboké	ca.	3° 54' 00" N 17° 56' 00" E	
Bozo, 120 km N Bangui		5° 08' 26" N 18° 28' 44" E	
(see also: Bangui, 120 km N, Gordil III)			
Bozoum		6° 19' 00" N 16° 23' 00" E	721 m
(see also: Bosum, Bozum)			
Bozum (see Bozoum)		6° 19' 00" N 16° 23' 00" E	721 m
Buar (see Bouar)		5° 57' 00" N 15° 36' 00" E	1046 m
Bukoko (see Boukoko)		3° 54' 00" N 17° 56' 00" E	559 m
Central African Republic			
(see also: Oubangui Chari)			
Djembe (see Nola)		3° 32' 00" N 16° 04' 00" E	442 m
Dzanga-Sangha Forest Reserve (see Dzanga-Sangha National Park)	ca.	3° 26' 00" N 16° 21' 00" E	
Dzanga-Sangha National Park	ca.	3° 26' 00" N 16° 21' 00" E	
(see also: Dzanga-Sangha Forest Reserve)			
Gordil		9° 36' 42" N 21° 41' 12" E	
Gordil III (see Bozo)		9° 36' 42" N 21° 41' 12" E	
Gounda camp		9° 03' 00" N 21° 12' 00" E	436 m
Gounda River bridge, National Highway, between Ndele and Vakaga		8° 41' 00" N 21° 30' 00" E	445 m
Grotte de Bébé (see Bébé cave)	ca.	3° 49' 55" N 17° 50' 45" E	
Grotte de Bolé (see Bébé cave)	ca.	3° 49' 55" N 17° 50' 45" E	
Grotte de Nzouani-Muya (see Nzouani-Muya cave)			
Haute Kemo (see Kemo River, upper)	ca.	5° 45' 00" N 19° 45' 00" E	
Haut-Kotto prefecture			
Haut-Mbomou prefecture			
Kaga Kodou (Hill) (see Kodou, Kaga (Hill))		6° 01' 00" N 20° 23' 00" E	
Kaga-Nzé		7° 21' 00" N 20° 11' 00" E	489 m
(see also: Kaja Nze)			
Kaja Nze (see Kaga-Nzé)		7° 21' 00" N 20° 11' 00" E	489 m
Kemo River, upper	ca.	5° 45' 00" N 19° 45' 00" E	
(see also: Haute Kemo)			
Kémo-Gribingui prefecture	ca.	5° 53' 02" N 19° 24' 04" E	
Kodou, Kaga (Hill)		6° 01' 00" N 20° 23' 00" E	
(see also: Kaga Kodou (Hill))			
Koumbala Camp		7° 29' 00" N 21° 13' 00" E	600 m
Koumbala Camp, 11.5 km NW		7° 29' 00" N 21° 13' 00" E	600 m
Kpoka	ca.	3° 50' 00" N 17° 18' 00" E	
La Landjia (see Landjia)		4° 22' 00" N 18° 39' 00" E	
La Maboké		3° 49' 55" N 17° 50' 45" E	
La Maboké area	ca.	3° 49' 55" N 17° 50' 45" E	
Landjia		4° 22' 00" N 18° 39' 00" E	
(see also: Bangui, 10 km from (I), La Landjia)			
Loango			
Lobaye district (see Lobaye prefecture)			

Lobaye prefecture			
(see also: Lobaye district)			
Makorou, 25 km N (see Badingua)		7° 30' 00" N 19° 35' 00" E	
Mambéré-Kadéï prefecture			
Manovo		8° 07' 00" N 21° 07' 00" E	654 m
Manovo-Gounda-St.Floris National Park			
Mbaéré-Bodingué Reserve	ca.	3° 53' 00" N 17° 15' 00" E	
(see also: Réserve Intégrale de Mbaéré-Bodingué)			
Mbaïki		3° 53' 00" N 18° 00' 00" E	514 m
(see also: M'Baiki, M'Baikie)			
M'Baiki (see Mbaïki)		3° 53' 00" N 18° 00' 00" E	514 m
M'Baikie (see Mbaïki)		3° 53' 00" N 18° 00' 00" E	514 m
Mbomou prefecture			
Mongoumba		3° 38' 30" N 18° 35' 37" E	337 m
Mpoko	ca.	4° 24' 00" N 18° 31' 00" E	
(see also: Bangui, 10 km from (II))			
Mpoko (near Makorou) and Yabanda, track between	ca.	4° 19' 27" N 18° 32' 27" E	
Nadélé (see Ndélé)		8° 24' 39" N 20° 38' 50" E	
Nana-Grébizi prefecture			
Nana-Mambéré prefecture			
Ndélé		8° 24' 39" N 20° 38' 50" E	
(see also: Nadélé, N'Delé, N'Delle)			
N'Delé (see Ndélé)		8° 24' 39" N 20° 38' 50" E	
Ndele district (see Ndele prefecture)			
Ndele prefecture			
(see also: Ndele district, Ndele province)			
Ndele province (see Ndele prefecture)			
N'Delle (see Ndélé)		8° 24' 39" N 20° 38' 50" E	
Ngotto forest		3° 55' 00" N 17° 03' 00" E	
Nguerengou River		6° 32' 36" N 22° 38' 30" E	
Njia (or Ngia)			
Nola		3° 32' 00" N 16° 04' 00" E	442 m
(see also: Djembe)			
Nola region	ca.	3° 32' 00" N 16° 04' 00" E	
Nyam-Nyam			
Nzouani-Muya cave (see Zouari-Muyo cave)			
(see also: Grotte de Nzouani-Muya)			
Ombella-M'Poko prefecture			
Ouaka prefecture			
Oubangui Chari (see Central African Republic)			
Oubangui, upper			
Ouham prefecture			
Ouham, near	ca.	7° 00' 00" N 18° 00' 00" E	
Ouham-Pendé prefecture			
Réserve Intégrale de Mbaéré-Bodingué (see Mbaéré-Bodingué Reserve)	ca.	3° 53' 00" N 17° 15' 00" E	
Roubi River, banks			
Salo			
Sangha Mbaéré prefecture			
Sangha River	ca.	3° 07' 00" N 16° 07' 00" E	
Vakaga prefecture			
Yabanda-Mpoko		7° 00' 00" N 17° 50' 00" E	
Zemio			
Zouari-Muyo cave			
(see also: Nzouani-Muya cave)			

Chad:

Archambault (see Sarh)		9° 09' 00" N 18° 23' 00" E	347 m
Bahr el Ghazel region			
Baibokoum, 25 km SE (see Dagbao)		7° 39' 03" N 15° 53' 07" E	692 m
Batha region			
Bebedja (see Bébédjia)		8° 41' 00" N 16° 34' 00" E	397 m
Bébédjia, near Moundou?		8° 41' 00" N 16° 34' 00" E	397 m
(see also: Bebedja, Bebeidja, Bebeidjia, Bebiya)			
Bebeidja (see Bébédjia)		8° 41' 00" N 16° 34' 00" E	397 m
Bebeidjia (see Bébédjia)		8° 41' 00" N 16° 34' 00" E	397 m
Bebiya (see Bébédjia)		8° 41' 00" N 16° 34' 00" E	397 m
Behagie (see Laï)		9° 23' 43" N 16° 17' 56" E	361 m
Behagle (see Laï)		9° 23' 43" N 16° 17' 56" E	361 m
Borkou region			
Bourkou-Ennedi-Tibesti (former) region			
Chad			
Chari delta	ca.	13° 00' 00" N 15° 00' 00" E	

Chari-Baguirmi region			
Dagbao, 25 km SE Baibokoum		7° 39' 03" N 15° 53' 07" E	692 m
(see also: Baibokoum, 25 km SE)			
Djiboulboul			
Ennedi	ca.	17° 15' 00" N 22° 00' 00" E	
Ennedi Est region			
Ennedi Ouest region			
Enneri Dourao (see Enneri Zouarké)		20° 25' 00" N 16° 05' 00" E	
Enneri Zouarké		20° 25' 00" N 16° 05' 00" E	
(see also: Enneri Dourao, Zouarké, well)			
Fort Archambault (see Sarh)		9° 09' 00" N 18° 23' 00" E	347 m
Fort Archambault, 30 mi [=48 km] N (see Fort Archambault, 30 mi [=48 km] N)	ca.	9° 10' 00" N 18° 23' 00" E	
(see also: Fort Archambault, 30 mi [=48 km] N)			
Fort Lamy (see N'Djamena)		12° 06' 47" N 15° 02' 57" E	
Fort-Lamy (see N'Djamena)		12° 06' 47" N 15° 02' 57" E	298 m
Gidari (see Guidari), west of Sarh		9° 17' 00" N 16° 40' 00" E	419 m
Goré		7° 55' 00" N 16° 38' 00" E	438 m
Guéra region			
Guidari, west of Sarh		9° 16' 08" N 16° 40' 21" E	424 m
(see also: Gidari)			
Hadjer-Lamis region			
Irtou		13° 19' 00" N 15° 10' 00" E	279 m
Kanem region			
Kiyabé (see Kyabé)		9° 27' 00" N 18° 57' 00" E	366 m
Kiyabi (see Kyabé)		9° 27' 00" N 18° 57' 00" E	366 m
Korkoro		12° 52' 00" N 21° 01' 00" E	500 m
(see also: Korkoru)			
Korkoru (see Korkoro)		12° 52' 00" N 21° 01' 00" E	500 m
Koskobo (see Kosokobo II)		9° 29' 00" N 19° 14' 56" E	362 m
Kosokobo (see Kosokobo II)		9° 29' 00" N 19° 14' 56" E	362 m
Kosokobo II		9° 29' 00" N 19° 14' 56" E	362 m
(see also: Koskobo, Kosokobo, Kossokobo)			
Kossokobo (see Kosokobo II)		9° 29' 00" N 19° 14' 56" E	362 m
Kyabé		9° 27' 00" N 18° 57' 00" E	366 m
(see also: Kiyabé, Kiyabi)			
Lac de Léré (see Léré, Lac de)		9° 37' 00" N 14° 09' 57" E	
Lac region			
Laï		9° 23' 43" N 16° 17' 56" E	361 m
(see also: Behagie, Behagle)			
Lake Léré (see Léré, Lac de)		9° 37' 00" N 14° 09' 57" E	
Lamy (see N'Djamena)		12° 06' 47" N 15° 02' 57" E	298 m
Léré		9° 37' 16" N 14° 13' 49" E	293 m
Léré, Lac de		9° 37' 00" N 14° 09' 57" E	
(see also: Lac de Léré, Lake Léré, Léré, lake)			
Léré, lake (see Léré, Lac de)		9° 37' 00" N 14° 09' 57" E	
Logone Occidental region			
Logone Oriental region			
Maïlao		11° 34' 59" N 15° 16' 53" E	273 m
Mandoul region			
Mayo-Kebbi Est region			
Mayo-Kebbi Ouest region			
Melfi		11° 05' 00" N 17° 57' 00" E	
Melfi		11° 03' 35" N 17° 55' 59" E	390 m
Melfi Mountains			
Mondou, near	ca.	8° 34' 00" N 16° 05' 00" E	
Mondu, near	ca.	8° 34' 00" N 16° 05' 00" E	
Moundou, near	ca.	8° 34' 00" N 16° 05' 00" E	
Moundu, near	ca.	8° 34' 00" N 16° 05' 00" E	
Moyen-Chari region			
N'Djamena		12° 06' 47" N 15° 02' 57" E	298 m
(see also: Fort Lamy, Fort-Lamy, Lamy, Ndjemena)			
N'DjaPC:NJ|)			
Ndjemena (see N'Djamena)		12° 06' 47" N 15° 02' 57" E	298 m
Ouaddaï region			
Ounianga Kébir		19° 04' 00" N 20° 29' 00" E	400 m
Sahr (see Sarh)		9° 09' 00" N 18° 23' 00" E	347 m
Salamat region			
Sarh		9° 09' 00" N 18° 23' 00" E	347 m
(see also: Archambault, Fort Archambault, Sahr)			
Sarh, 30 mi [=48 km] N	ca.	9° 09' 00" N 18° 23' 00" E	
Tandjilé region			
Tibesti		21° 30' 00" N 17° 30' 00" E	
Tibesti region			

Ville de N'Djamena region			
(see also: N'Djamena City region |PC:NJ|)			
Wadi Fira region			
Zami, intermittent stream	ca.	7° 45' 00" N 15° 49' 00" E	
(see also: Zamia)			
Zamia (see Zami, intermittent stream)	ca.	7° 45' 00" N 15° 49' 00" E	
Zamia, near			
Zouar		20° 27' 30" N 16° 31' 40" E	742 m
Zouarké, well (see Enneri Zouarké)		20° 25' 00" N 16° 05' 00" E	

Comoros:

Comoros (see Comoro Islands)			

Congo:

Bamu Island (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Boko district			
Bongolo		3° 35' 00" S 12° 15' 00" E	252 m
Bouenza departement			
Boulankio		3° 49' 10" S 15° 15' 18" E	605 m
Brazzaville		4° 15' 33" S 15° 17' 05" E	155 m
(see also: Centre ORSTOM, Maya-Maya, N'Tamo, ORSTOM center)			
Brazzaville departement			
Brazzaville, near	ca.	4° 15' 00" S 15° 17' 00" E	
Centre ORSTOM (see Brazzaville)		4° 15' 33" S 15° 17' 05" E	155 m
Congo			
Cote-Matève, 1 mi [=1.6 km] SE		4° 52' 03" S 11° 55' 16" E	
Cuvette departement			
Cuvette-Ouest departement			
Dambala (see Djambala)		2° 34' 41" S 14° 45' 12" E	622 m
Desbordesville (see Impfondo)		1° 38' 17" N 18° 04' 00" E	326 m
Dimonika		4° 13' 53" S 12° 26' 22" E	250 m
Dinguembo, near Cotovindo		3° 47' 30" S 11° 55' 35" E	
Divanié (see Divenié)		2° 40' 38" S 12° 05' 08" E	540 m
Divégni (see Divenié)		2° 40' 38" S 12° 05' 08" E	540 m
Divenié, near Mont Vouary ?		2° 40' 38" S 12° 05' 08" E	540 m
(see also: Divanié, Divégni, Divina)			
Divina (see Divenié)		2° 40' 38" S 12° 05' 08" E	540 m
Djambala		2° 34' 41" S 14° 45' 12" E	622 m
(see also: Dambala, Djamballa)			
Djamballa (see Djambala)		2° 34' 41" S 14° 45' 12" E	622 m
Domaine de Chasse de Mboko (see Mboko hunting area)		0° 31' 54" N 14° 51' 44" E	
Doumboula cave (see Doumboula, grotte de)		4° 15' 00" S 13° 00' 00" E	
Doumboula, grotte de		4° 15' 00" S 13° 00' 00" E	
(see also: Doumboula cave, Grotte de Doumboula)			
Eouo (see Ewo)		0° 52' 21" S 14° 49' 14" E	532 m
Epana (see Epéna)		1° 21' 09" N 17° 27' 09" E	376 m
Epéna		1° 21' 09" N 17° 27' 09" E	376 m
(see also: Epana)			
Epéna district			
Ewo		0° 52' 21" S 14° 49' 14" E	532 m
(see also: Eouo)			
Fort Pousset (see Owando)		0° 29' 13" S 15° 54' 29" E	325 m
Fort Rousset (see Owando)		0° 29' 13" S 15° 54' 29" E	325 m
Grotte de Doumboula (see Doumboula, grotte de)		4° 15' 00" S 13° 00' 00" E	
Grotte de Kimanika		3° 59' 00" S 14° 25' 00" E	
(see also: Kimanika cave, Kimanika, grotte de)			
Grotte de Lebayi (see Lebayi cave)		2° 42' 03" S 13° 35' 58" E	
Grotte de Matounidi (see Mayama)		3° 50' 50" S 14° 53' 30" E	
Grotte de Maya (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Grotte de Meya.Nzou.Ki (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Grotte du Viaduc (see Viaduc, grotte du)		4° 15' 00" S 13° 00' 00" E	
Grottes de N'Kila-N'Tari (see N'Kila-N'Tari caves)		4° 07' 13" N 13° 51' 10" E	
Île Bamu (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Île Mbamou (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Île Mbamu (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Île Mont Bamou (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Impfondo		1° 38' 17" N 18° 04' 00" E	326 m
(see also: Desbordesville, Imponfo)			
Imponfo (see Impfondo)		1° 38' 17" N 18° 04' 00" E	326 m
Inhumbane			
Inyanga			

Kangamatoko		1° 33' 37" N 15° 37' 56" E	363 m
(see also: Kango, Kango Matako, Kango Matoko, Kango Metoko)			
Kango (see Kangamatoko)		1° 33' 37" N 15° 37' 56" E	363 m
Kango Matako (see Kangamatoko)		1° 33' 37" N 15° 37' 56" E	363 m
Kango Matoko (see Kangamatoko)		1° 33' 37" N 15° 37' 56" E	363 m
Kango Metoko (see Kangamatoko)		1° 33' 37" N 15° 37' 56" E	363 m
Kelé		3° 20' 48" S 12° 28' 15" E	173 m
Kila N'Tari caves (see N'Kila-N'Tari caves), 150 km W Brazzaville, near Mouyondzi		4° 07' 13" S 13° 51' 10" E	
Kimanika cave (see Grotte de Kimanika)		3° 59' 00" S 14° 25' 00" E	
Kimanika, grotte de (see Grotte de Kimanika)		3° 59' 00" S 14° 25' 00" E	
Kin Damba (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Kinkala		4° 21' 41" S 14° 45' 52" E	407 m
Komono		3° 16' 39" S 13° 13' 34" E	460 m
Kouilou			
Kouilou departement	ca.	4° 00' 00" S 12° 00' 00" E	
(see also: Région de Kouilou)			
Kouilou River, Kouilou River			
Kunda, near Owando		0° 25' 00" S 15° 45' 00" E	
La Sounda (see Sounda)		4° 05' 00" S 12° 08' 00" E	36 m
Lebayi cave		2° 42' 03" S 13° 35' 58" E	
(see also: Grotte de Lebayi)			
Lekoumou airport		2° 46' 46" S 13° 33' 36" E	
Lekoumou airport road		2° 45' 43" S 13° 34' 57" E	
Lékoumou departement			
Lekoumou forest corridor		3° 25' 35" S 12° 45' 40" E	
Lekoumou forest trails		2° 45' 46" S 13° 36' 22" E	
Lekoumou waterfall forest		2° 45' 33" S 13° 36' 21" E	
Likouala departement			
Loudima			
Loudima cave		4° 15' 00" S 13° 00' 00" E	
Majumba (see Mayombe area)		4° 30' 00" S 12° 30' 00" E	
Malebo Pool (see Stanley Pool)		4° 11' 22" S 15° 26' 19" E	
Matounidi cave (see Mayama)		3° 50' 50" S 14° 53' 30" E	
Maya cave (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Mayama		3° 50' 50" S 14° 53' 30" E	
(see also: Grotte de Matounidi, Matounidi cave)			
Maya-Maya (see Brazzaville)		4° 15' 33" S 15° 17' 05" E	155 m
Mayombe area		4° 30' 00" S 12° 30' 00" E	
(see also: Majumba)			
Mbamou Island		4° 12' 34" S 15° 25' 06" E	
(see also: Bamu Island, Île Bamu, Île Mbamou, Île Mbamu, Île Mont Bamou, M'Bamou Island, Mbamu Island, Mount Bamou Island)			
M'Bamou Island (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Mbamu Island (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Mboko hunting area		0° 31' 54" N 14° 51' 44" E	
(see also: Domaine de Chasse de Mboko)			
Méya (cave)		3° 53' 16" S 14° 31' 19" E	411 m
Meya.Nzou.Ki cave (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Meya.Nzou.Ki, grotte de (see Meya-Nzouari, cave)		3° 53' 16" S 14° 31' 19" E	
Meya-Nzouari, cave		3° 53' 16" S 14° 31' 19" E	
(see also: Grotte de Maya, Grotte de Meya.Nzou.Ki, Kin Damba, Maya cave, Meya.Nzou.Ki cave, Meya.Nzou.Ki, grotte de)			
Milamila		3° 43' 12" S 12° 27' 14" E	
Mossaka		1° 12' 51" S 16° 47' 39" E	290 m
(see also: Mossake, Village Mossake)			
Mossake (see Mossaka)		1° 12' 51" S 16° 47' 39" E	290 m
Mouionzi (see Mouyondzi)		3° 59' 26" S 13° 54' 52" E	383 m
Mount Bamou Island (see Mbamou Island)		4° 12' 34" S 15° 25' 06" E	
Mouyondzi		3° 59' 26" S 13° 54' 52" E	383 m
(see also: Mouionzi)			
Mpoka-Méya road		3° 54' 00" S 14° 30' 00" E	
Ncouna (see Stanley Pool)		4° 11' 22" S 15° 26' 19" E	
N'Gabi		3° 12' 53" S 16° 10' 25" E	151 m
Niari departement			
Nkila caves (see N'Kila-N'Tari caves)		4° 07' 13" N 13° 51' 10" E	
N'Kila-N'Tari caves		4° 07' 13" N 13° 51' 10" E	
(see also: Grottes de N'Kila-N'Tari, Kila N'Tari caves, Nkila caves, Nkila-Ntari caves)			
Nkila-Ntari caves (see N'Kila-N'Tari caves)		4° 07' 13" N 13° 51' 10" E	
N'Tamo (see Brazzaville)		4° 15' 33" S 15° 17' 05" E	155 m
Odzala National Park		0° 53' 31" N 14° 50' 18" E	
(see also: Parc National d'Odzala)			

ORSTOM center (see Brazzaville)		4° 15' 33" S 15° 17' 05" E	155 m
Ouando (see Owando)		0° 29' 13" S 15° 54' 29" E	325 m
Oubangi		0° 30' 00" S 17° 00' 00" E	
Owando		0° 29' 13" S 15° 54' 29" E	325 m
(see also: Fort Pousset, Fort Rousset, Ouando)			
Parc National d'Odzala (see Odzala National Park)		0° 53' 31" N 14° 50' 18" E	
Plateaux departement			
Pointe Noire (see Pointe-Noire)		4° 47' 41" S 11° 50' 46" E	1 m
Pointe-Noire		4° 47' 41" S 11° 50' 46" E	1 m
(see also: Pointe Noire)			
Pointe-Noire departement			
Pointe-Noire, 3 mi [=4.8 km] SE	ca.	4° 53' 00" S 11° 55' 00" E	
Pool departement			
Pool Malebo (see Stanley Pool)		4° 11' 22" S 15° 26' 19" E	
Région de Kouilou (see Kouilou departement)			
Sangha departement			
Sibidi (see Sibiti)		3° 41' 09" S 13° 20' 45" E	440 m
Sibiti		3° 41' 09" S 13° 20' 45" E	440 m
(see also: Sibidi)			
Sibiti cave		3° 41' 09" S 13° 20' 45" E	440 m
Sounda		4° 05' 00" S 12° 08' 00" E	36 m
(see also: La Sounda)			
Stanley Pool		4° 11' 22" S 15° 26' 19" E	
(see also: Malebo Pool, Ncouna, Pool Malebo)			
Tchilounga			
(see also: Tschiloango [=Tchilounga])			
Tschiloango [=Tchilounga] (see Tchilounga)			
Viaduc, cave (see Viaduc, grotte du)		4° 15' 00" S 13° 00' 00" E	
Viaduc, grotte du		4° 15' 00" S 13° 00' 00" E	
(see also: Grotte du Viaduc, Viaduc, cave)			
Village Mossake (see Mossaka)		1° 12' 51" S 16° 47' 39" E	290 m
Voka		4° 41' 00" S 14° 41' 00" E	621 m

Congo (Democratic Republic of the):

Aba		3° 52' 00" N 30° 14' 00" E	890 m
Abatupi river		0° 45' 00" N 29° 49' 00" E	700 m
(see also: Amatupi river)			
Abialosa river		0° 42' 00" N 29° 41' 00" E	800 m
Abimva		3° 09' 00" N 29° 46' 00" E	1100 m
Abysse de Swanepoel II, near Kambove		10° 51' 00" S 26° 41' 00" E	ca. 1350 m
Aka		4° 35' 00" N 29° 42' 00" E	
Aka river		4° 30' 00" N 29° 40' 00" E	
Aka-Inimvua confluence		4° 35' 00" N 29° 42' 00" E	
Akenge (see Akengei)		2° 56' 00" N 26° 50' 00" E	654 m
Akengei		2° 56' 00" N 26° 50' 00" E	654 m
(see also: Akenge)			
Aketi		2° 50' 00" N 23° 56' 00" E	ca. 500 m
(see also: Port Chaltin)			
Aketi territory			
Alambi		2° 07' 00" N 28° 49' 00" E	913 m
Albert Edward Nyanza (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Albert meer (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Albert National Park (see Virunga National Park)		1° 00' 00" S 29° 15' 00" E	
Albert Nyanza (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Albert, lac (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Albert, lake, border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
(see also: Albert meer, Albert Nyanza, Albert, lac, Bantu Lueru, Bentu Lueru, Lac Albert, Lake Albert, Lake Mobutu Sese Seko, Luta Nzige, Mobutu Sese Seko, lake, Muite Nzige, Mwittanzige)			
Albertstad (see Kalemie)		5° 56' 00" S 29° 12' 00" E	763 m
Albertville (see Kalemie)		5° 56' 00" S 29° 12' 00" E	763 m
Albertville-Moba (road?) (see Kalemie-Moba (road?))		5° 57' 00" S 29° 01' 00" E	
Alima		0° 35' 00" N 29° 18' 00" E	
Alipago		3° 34' 00" N 25° 44' 00" E	565 m
(see also: Alipango, Alipaye, Alipei)			
Alipango (see Alipago)		3° 34' 00" N 25° 44' 00" E	565 m
Alipaye (see Alipago)		3° 34' 00" N 25° 44' 00" E	565 m
Alipei (see Alipago)		3° 34' 00" N 25° 44' 00" E	565 m
Amadjabe		0° 04' 00" S 25° 17' 00" E	
Amangundu		0° 45' 00" N 29° 48' 00" E	700 m
Amatupi river (see Abatupi river)		0° 45' 00" N 29° 49' 00" E	700 m
Ambarao (see Ambarau)		3° 10' 00" N 29° 44' 00" E	867 m

Ambarau		3° 10' 00" N 29° 44' 00" E	867 m
(see also: Ambarao)			
Ancien Beni (see Vieux Beni)		0° 26' 00" N 29° 33' 00" E	585 m
Ango		4° 02' 00" N 25° 52' 00" E	610 m
Ango cave		4° 02' 00" N 25° 52' 00" E	610 m
(see also: Ango grot, Grotte d'Ango)			
Ango grot (see Ango cave)		4° 02' 00" N 25° 52' 00" E	610 m
Angu, near	ca.	3° 33' 00" N 24° 28' 00" E	
Angumu		0° 07' 00" S 27° 42' 00" E	859 m
(see also: Angumu Etat)			
Angumu Etat (see Angumu)		0° 07' 00" S 27° 42' 00" E	859 m
Ankoro		6° 45' 00" S 26° 57' 00" E	
Arebi		2° 51' 33" N 29° 40' 25" E	
Arebi Bondo Mabe		2° 47' 00" N 29° 35' 00" E	
Athens Mission		5° 02' 00" S 18° 49' 00" E	
Avakubi, left bank of Ituri river		1° 19' 00" N 27° 33' 00" E	589 m
Avakubi, near		1° 20' 00" N 27° 35' 00" E	
Azande Game Reserve			
Ba Balaye		5° 50' 00" S 22° 30' 00" E	
Babeke, on Isai river		1° 24' 00" N 28° 04' 00" E	608 m
Babongena		0° 29' 23" N 25° 42' 21" E	469 m
Badjoki - Bumba (see Bodjoki - Bumba)		2° 59' 00" N 22° 18' 00" E	441 m
Bafuaboka (see Bafwabaka)		2° 07' 00" N 27° 40' 00" E	631 m
Bafwabaka		2° 07' 00" N 27° 40' 00" E	631 m
(see also: Bafuaboka, Bafwaboka)			
Bafwaboka (see Bafwabaka)		2° 07' 00" N 27° 40' 00" E	631 m
Bafwasende territory		1° 05' 00" N 27° 16' 00" E	
Baga Cave, near Lubumbashi	ca.	11° 40' 00" S 27° 28' 00" E	
Baga cave (see Baya cave)		11° 52' 00" S 27° 27' 00" E	1279 m
Bagbele		4° 21' 00" N 29° 17' 00" E	742 m
(see also: Cel I, Cellule I)			
Bagbele Moko		4° 21' 00" N 29° 17' 00" E	742 m
Bagisana		4° 35' 00" N 29° 32' 00" E	
Bagunda		4° 04' 00" N 29° 35' 00" E	990 m
Bakwa-Kenge		4° 51' 00" S 22° 04' 00" E	461 m
(see also: Bakwakenge)			
Bakwakenge (see Bakwa-Kenge)		4° 51' 00" S 22° 04' 00" E	461 m
Bakwanga (see Mbuji-Mayi)		6° 09' 00" S 23° 36' 00" E	549 m
Bala (see Bata)		6° 01' 00" S 19° 40' 00" E	590 m
Baliko		0° 16' 00" S 20° 49' 00" E	
Bamangwa (see Bamungwa [river])		4° 21' 00" N 29° 27' 00" E	
Bamania (see Bamanya)		0° 01' 00" N 18° 24' 00" E	
Bamanya		0° 01' 00" N 18° 24' 00" E	
(see also: Bamania)			
Bambesa		3° 28' 00" N 25° 43' 00" E	614 m
Bambu (see Kilomines)		1° 48' 00" N 30° 14' 00" E	1466 m
Bamongwa (see Bamungwa [river])		4° 21' 00" N 29° 27' 00" E	
Bamungwa [river]		4° 21' 00" N 29° 27' 00" E	
(see also: Bamangwa, Bamongwa)			
Banalia		1° 33' 00" N 25° 20' 00" E	432 m
Banana		6° 01' 00" S 12° 24' 00" E	0 m
(see also: Banane)			
Banana - Boma road, km 74, 25 km from coast in forest		5° 47' 00" S 12° 31' 00" E	
Banana creek		5° 58' 00" S 12° 27' 00" E	
Banana or Netonna	ca.	5° 58' 00" S 12° 27' 00" E	
Banane (see Banana)		6° 01' 00" S 12° 24' 00" E	0 m
Bandaka		0° 04' 00" N 18° 16' 00" E	306 m
(see also: Cocquilhatville, Coquilhalville, Coquilhatstad, Coquilhatville, Wangata)			
Bandimbu, Mosenge		4° 39' 00" S 18° 58' 00" E	
Bandungu (former) province, see Mai Ndombe, Kwilu or Kwango provinces			
Banjan caves		5° 16' 00" S 14° 53' 00" E	
(see also: Banjan grotten, Grottes de Banjan, Thysville, cave, Thysville, cave b 13 a)			
Banjan grotten (see Banjan caves)		5° 16' 00" S 14° 53' 00" E	
Bantu Lueru (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Banza Nfinda caves		5° 16' 00" S 14° 52' 00" E	ca. 611 m
(see also: Banza Nfinda grot, Grotte de Banza Nfinda)			
Banza Nfinda grot (see Banza Nfinda caves)		5° 16' 00" S 14° 52' 00" E	ca. 611 m
Barafinda cave B 13		5° 43' 00" S 14° 28' 00" E	
(see also: Barafinda grotte B 13)			
Barafinda grotte B 13 (see Barafinda cave B 13)		5° 43' 00" S 14° 28' 00" E	
Baraka		4° 05' 27" S 29° 05' 15" E	772 m
Baraka, 5 mi [=8 km] N	ca.	4° 05' 27" S 29° 05' 15" E	

Bas Congo (former) province (see Kongo Central province)	ca.	5° 00' 00" S 15° 00' 00" E	
Bas Congo province (see Kongo Central province)	ca.	5° 00' 00" S 15° 00' 00" E	
Bas Uele province			
(see also: Lower Uele province)			
Basoko		1° 14' 00" N 23° 36' 00" E	429 m
Basoko territory		1° 14' 00" N 23° 36' 00" E	
Basongo		4° 20' 00" S 20° 24' 00" E	329 m
Bata		6° 01' 00" S 19° 40' 00" E	590 m
(see also: Bala)			
Batala's Village, 30 mi W Beni		0° 30' 00" N 29° 15' 00" E	914 m
(see also: Beni, 30 mi [=48 km] W, Mambabwanga Hill)			
Batoko (river) (see Olongo-Nsongo [river])		1° 39' 00" S 18° 05' 00" E	
Baudhuinville (see Moba)		7° 03' 00" S 29° 47' 00" E	763 m
Baudouinville (see Moba)		7° 03' 00" S 29° 47' 00" E	763 m
Bauelende (see Bauelendu)		0° 16' 00" N 29° 36' 00" E	925 m
Bauelendu		0° 16' 00" N 29° 36' 00" E	925 m
(see also: Bauelende)			
Baya carrière (see Baya quarry), 30 km S Lubumbashi		11° 52' 00" S 27° 27' 00" E	1279 m
Baya cave (see Baya quarry)		11° 52' 00" S 27° 27' 00" E	1279 m
(see also: Baga cave, Grotte de Baya, Grotte de M'baya, M'baya cave, M'baya grot)			
Baya grot (see Baya quarry)		11° 52' 00" S 27° 27' 00" E	1279 m
Baya quarry, 30 km S Lubumbashi		11° 52' 00" S 27° 27' 00" E	1279 m
(see also: Baya carrière, Baya cave, Baya grot, Carrière Baya, Carrière Pierkat, Lubumbashi, 30 km S, Pierkat quarry)			
Baye via Bondo		4° 25' 00" N 23° 04' 00" E	
Befale		0° 28' 00" N 20° 58' 00" E	393 m
Bela		0° 38' 00" N 29° 14' 00" E	913 m
Belgian River			
Bena Longo (see Bene Longo)		4° 52' 00" S 21° 40' 00" E	
Bena Mbala		6° 48' 00" S 23° 47' 00" E	
Bena Tshadi		4° 40' 00" S 22° 49' 00" E	615 m
(see also: Bena Tshandi, Bena Tshiadi)			
Bena Tshandi (see Bena Tshadi)		4° 40' 00" S 22° 49' 00" E	615 m
Bena Tshiadi (see Bena Tshadi)		4° 40' 00" S 22° 49' 00" E	615 m
Bena-Kaniki (see Kaniki Kapangu)		6° 45' 00" S 23° 31' 00" E	805 m
Bene Longo		4° 52' 00" S 21° 40' 00" E	
(see also: Bena Longo)			
Bengale		4° 08' 00" S 16° 40' 00" E	
Beni		0° 30' 00" N 29° 28' 00" E	853 m
(see also: New Beni)			
Beni territory		0° 30' 00" N 29° 28' 00" E	
Beni territory		0° 30' 00" N 29° 28' 00" E	
Beni, 25 km NW (see Moera's village), Ituri drainage	ca.	0° 35' 00" N 29° 25' 00" E	914 m
Beni, 30 mi [=48 km] W (see Batala's Village)		0° 30' 00" N 29° 15' 00" E	914 m
Beni, 36 km N (see Kisiki)		0° 45' 00" N 29° 34' 00" E	1177 m
Beno, near Banningville (Bandungu)		3° 37' 00" S 17° 48' 00" E	281 m
Bentu Lueru (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Benza Masola		5° 12' 00" S 13° 00' 00" E	
Benzale		4° 08' 00" S 16° 40' 00" E	277 m
Beyi - Kalonji		5° 49' 00" S 22° 30' 00" E	
Biadimbi		4° 13' 00" N 29° 21' 00" E	
Biakabomba		6° 27' 00" S 21° 02' 00" E	608 m
Biangolo		0° 25' 00" N 29° 45' 00" E	1300 m
Bikoro		0° 45' 00" S 18° 07' 00" E	344 m
Binga		2° 23' 00" N 20° 30' 00" E	397 m
Bionga		0° 34' 00" S 23° 00' 00" E	444 m
(see also: Biyonga)			
Bitale		2° 13' 00" S 28° 38' 00" E	
Bitshumbi (see Vitshumbi)		0° 40' 56" S 29° 23' 12" E	907 m
Biyonga (see Bionga)		0° 34' 00" S 23° 00' 00" E	444 m
Blukwa, West bank Lake Albert		1° 45' 00" N 30° 36' 00" E	2001 m
Blukwa, 10 km E (see Wago, mount)		1° 45' 00" N 30° 40' 00" E	2240 m
Boangi		1° 51' 00" S 20° 56' 00" E	419 m
Bobandana		1° 41' 56" S 29° 00' 47" E	
Bodjoki - Bumba		2° 59' 00" N 22° 18' 00" E	441 m
(see also: Badjoki - Bumba)			
Boende		0° 13' 00" S 20° 52' 00" E	371 m
Boende, 14 km N by road (see Quatorze)		0° 10' 04" N 20° 55' 34" E	326 m
Boga		1° 03' 00" N 29° 56' 00" E	1562 m
(see also: Mboga)			
Bokala		3° 07' 00" S 17° 02' 00" E	307 m
Bokalakala		2° 08' 00" S 16° 22' 00" E	252 m

Bokoro, Lukenie		2° 50' 00" S 18° 23' 00" E	252 m
Bokuma, near Mbandaka		0° 06' 00" S 18° 42' 00" E	340 m
Bokungu		0° 41' 00" S 22° 19' 00" E	402 m
Bolafa		2° 08' 00" N 21° 37' 00" E	
Bolobo		2° 09' 00" S 16° 14' 00" E	
Bolobo territory			
Boma, near mouth of Kongo river		5° 51' 00" S 13° 03' 00" E	61 m
Boma, zone	ca.	5° 51' 00" S 13° 03' 00" E	
Bomane (see Bomaneh)		1° 18' 00" N 23° 47' 00" E	429 m
Bomaneh		1° 18' 00" N 23° 47' 00" E	429 m
(see also: Bomane)			
Bombanga - Bumba		2° 48' 00" N 22° 16' 00" E	
Bombia Bonelu		2° 34' 30" N 21° 47' 07" E	
Bombo Lumene		3° 58' 00" S 15° 59' 00" E	
Bomili		1° 40' 00" N 27° 01' 00" E	444 m
Bondo, 15 km W Lukula		5° 24' 00" S 12° 54' 00" E	
(see also: Lukula, 15 km W)			
Bondo Mabe, near Arebi ?		2° 36' 00" N 29° 34' 00" E	
Bongale		6° 00' 00" S 18° 41' 00" E	
Bongandjola		1° 45' 17" N 25° 31' 04" E	508 m
Bongeya river			1350 m
Bongolo Mission		6° 36' 00" S 16° 46' 00" E	383 m
Bonzale		2° 57' 31" N 19° 22' 06" E	
Bosobolo		4° 11' 00" N 19° 54' 00" E	508 m
Boso-Dula		4° 17' 00" N 20° 29' 00" E	599 m
(see also: Bosodula)			
Bosodula (see Boso-Dula)		4° 17' 00" N 20° 29' 00" E	599 m
Bossafinda	ca.	5° 15' 00" S 14° 52' 00" E	
Boteka		0° 20' 00" S 19° 06' 00" E	333 m
(see also: Boteke, Flandria, Frandria)			
Boteka		0° 19' 00" S 19° 07' 00" E	337 m
Boteke (see Boteka)		0° 19' 00" S 19° 07' 00" E	337 m
Boudewijnstad (see Moba)		7° 03' 00" S 29° 47' 00" E	763 m
Bozade		2° 56' 41" N 19° 17' 32" E	
Bugara		1° 10' 00" S 29° 28' 00" E	1200 m
Bugarula, 6 km N (see Washiha Forest)	ca.	2° 00' 00" S 29° 04' 00" E	1500 m
Buhatu valley (see Butahu valley, cave), W slope of Mount Ruwenzori	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Bukama		9° 12' 00" S 25° 51' 00" E	601 m
Bukama territory		9° 12' 00" S 25° 51' 00" E	
Bukama, 40 mi [=64 km] below (see Katobwe), on Lualaba river		8° 54' 00" S 26° 04' 00" E	547 m
Bukavu		2° 30' 30" S 28° 51' 39" E	1498 m
(see also: Costermansstad, Costermansville)			
Bukavu, 100 km W (see Irangi Forest)		1° 54' 00" S 28° 27' 00" E	
Bulaga (see Kasenga road, km 37)		11° 37' 00" S 27° 40' 00" E	
Bulaya		1° 12' 00" S 29° 27' 00" E	1160 m
Buluku		4° 33' 00" N 29° 49' 00" E	
Buluku river		4° 33' 00" N 29° 49' 00" E	
Bulundu	ca.	2° 42' 00" S 27° 20' 00" E	
Bumali		0° 21' 00" N 29° 45' 00" E	1300 m
Bumba		2° 11' 00" N 22° 28' 00" E	419 m
Bumba territory		2° 11' 00" N 22° 28' 00" E	
Bunia		1° 34' 00" N 30° 15' 00" E	1332 m
(see also: Ngioni)			
Bunkeya		10° 24' 00" S 26° 58' 00" E	1008 m
(see also: Bunkeye)			
Bunkeye (see Bunkeya)		10° 24' 00" S 26° 58' 00" E	1008 m
Bunyangura		1° 09' 00" S 29° 26' 00" E	1200 m
Bunyenzi		1° 10' 00" S 29° 27' 00" E	1225 m
Bushanganya		2° 19' 00" S 28° 47' 00" E	
Bushdinka (see Busholinka river)		1° 11' 00" S 29° 29' 00" E	1350 m
Bushokwe caves, Langara	ca.	2° 59' 27" S 28° 55' 29" E	
(see also: Bushokwe grottes, Grottes de Bushokwe, Grottoes de Bushokwe)			
Bushokwe grottes (see Bushokwe caves), Langara	ca.	2° 59' 27" S 28° 55' 29" E	
Busholinka river		1° 11' 00" S 29° 29' 00" E	1350 m
(see also: Bushdinka)			
Bushushu		2° 01' 00" S 28° 54' 00" E	1455 m
Busu Mokalu (see Busu-Mokala)		2° 20' 00" N 20° 15' 00" E	
Busu-Mokala		2° 20' 00" N 20° 15' 00" E	
(see also: Busu Mokalu)			
Buta		2° 48' 00" N 24° 44' 00" E	434 m
Butagu valley (see Butahu valley, cave), W Ruwenzori	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft

Butahu valley, cave, W Ruwenzori (see also: Buhatu valley, Butagu valley, Butatu valley, Butawu valley)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Butatu valley (see Butahu valley, cave)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Butawu valley (see Butahu valley, cave)	ca.	0° 19' 35" N 29° 49' 20" E	7500 ft
Butembo		0° 09' 00" N 29° 17' 00" E	
Butembo region	ca.	0° 09' 00" N 29° 17' 00" E	
Buye Bala		0° 57' 36" S 0° 26' 53" E	
Bwamanda [mission]		3° 10' 06" N 19° 14' 45" E	508 m
Bwandza		2° 36' 56" N 21° 44' 32" E	
Bwirina		0° 39' 00" N 29° 43' 00" E	900 m
Byangore river			
Byonga		3° 21' 00" S 28° 08' 00" E	
Camp Putnam (see also: Putnam, camp)		1° 24' 00" N 28° 35' 00" E	675 m
Cape Cassa Mabongo (see Kasambongo)		3° 24' 00" S 29° 08' 00" E	
Cape Lopez		3° 07' 00" S 28° 43' 00" E	
Carrière Baya (see Baya quarry), 30 km S Lubumbashi		11° 52' 00" S 27° 27' 00" E	1279 m
Carrière Pierkat (see Baya quarry)		11° 52' 00" S 27° 27' 00" E	1279 m
Catchpole's Farm, Irumu-Bunia road	ca.	1° 28' 04" N 30° 03' 36" E	1280 m
Cave C.8.1 (see Mbanza-Ngungu), near Mbanza-Ngungu	ca.	5° 15' 00" S 14° 52' 00" E	
Cave C.8.2, near Mbanza-Ngungu	ca.	5° 15' 00" S 14° 52' 00" E	
Cel I (see Bagbele)		4° 21' 00" N 29° 17' 00" E	742 m
Cel II (see also: Cellule II)	ca.	3° 55' 00" N 29° 22' 00" E	
Cellule I (see Bagbele)		4° 21' 00" N 29° 17' 00" E	742 m
Cellule II (see Cel II)		3° 55' 00" N 29° 25' 00" E	
Chibambo (see Shibambo)		10° 18' 00" S 28° 37' 00" E	928 m
Chikapa (see Tshikapa)		6° 25' 00" S 20° 48' 00" E	485 m
Chinkolobwe (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Cinputu (see also: Tschinputu)		5° 22' 00" S 22° 21' 00" E	
Cocquilhatville (see Bandaka)		0° 04' 00" N 18° 16' 00" E	306 m
Congo (Democratic Republic of the)			
Congo da Lemba		5° 42' 00" S 13° 40' 00" E	
Congo river, 75 mi [=121 km] up			
Congo-Nil-Aka		4° 34' 00" N 29° 45' 00" E	
Coquilhalville (see Bandaka)		0° 04' 00" N 18° 16' 00" E	306 m
Coquilhatstad (see Bandaka)		0° 04' 00" N 18° 16' 00" E	306 m
Coquilhatville (see Bandaka)		0° 04' 00" N 18° 16' 00" E	306 m
Costermansstad (see Bukavu)		2° 30' 30" S 28° 51' 39" E	1498 m
Costermansville (see Bukavu)		2° 30' 30" S 28° 51' 39" E	1498 m
Crevettes cave, 15 km S Likasi		10° 58' 00" S 26° 47' 00" E	
Dambi (see Ibambi)		2° 22' 00" N 27° 37' 00" E	687 m
Dedegwa river		4° 35' 00" N 29° 43' 00" E	
Defrenne cave (see Mwanga cave)		10° 58' 00" S 26° 39' 00" E	
Defrenne grot (see Mwanga cave)		10° 58' 00" S 26° 39' 00" E	
Demba territory		5° 30' 00" S 22° 16' 00" E	
Dembelenge (see Dimbelenge)		5° 33' 00" S 23° 07' 00" E	682 m
Dembelenge territory			
Dethioux Farm, cave I (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux Farm, cave II (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux Farm, Tantara cave (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, grot I (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, grot II (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, Tantara grot (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethiox caves (see Kambove)		10° 50' 00" S 26° 39' 00" E	
Dethiox grotten (see Kambove)		10° 50' 00" S 26° 39' 00" E	
Detioux Cave (see Kambove)		10° 50' 00" S 26° 39' 00" E	
Digba		4° 24' 00" N 25° 47' 00" E	629 m
Dika		4° 22' 00" N 27° 40' 00" E	689 m
Dikul River (see Dikulwe cave)		10° 45' 00" S 25° 22' 00" E	
Dikuluwe cave (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers		10° 45' 00" S 25° 22' 00" E	
Dikuluwe grot (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers		10° 45' 00" S 25° 22' 00" E	
Dikulwe cave, at confluence of Dikulwe and Kimembe rivers (see also: Dikul River, Dikuluwe cave, Dikuluwe grot, Grotte de Dikuluwe)		10° 45' 00" S 25° 22' 00" E	
Dikulwe river		10° 45' 00" S 25° 22' 00" E	
Dilolo (see also: Dilolo station, Dilolo, poste, Kayombe)		10° 28' 00" S 22° 28' 00" E	1069 m
Dilolo station (see Dilolo)		10° 28' 00" S 22° 28' 00" E	1069 m
Dilolo territory			
Dilolo, poste (see Dilolo)		10° 28' 00" S 22° 28' 00" E	1069 m

Dimbelenge		5° 33' 00" S 23° 07' 00" E	682 m
(see also: Dembelenge)			
Djabir		0° 32' 00" N 24° 05' 00" E	437 m
Djamba		2° 53' 00" N 24° 02' 00" E	419 m
Djambala (hill)		4° 42' 00" S 13° 44' 00" E	
Djeka		2° 47' 00" S 23° 55' 00" E	
Djelube river, lower		0° 35' 00" N 29° 40' 00" E	850 m
Djelube river, middle		0° 31' 00" N 29° 44' 00" E	1100 m
Djemba		1° 20' 00" S 29° 34' 00" E	1500 m
(see also: Djomba)			
Djomba (see Djemba)		1° 20' 00" S 29° 34' 00" E	1500 m
Djugu bos (see Djugu forest)		1° 55' 00" N 30° 30' 00" E	1530 m
Djugu forest		1° 55' 00" N 30° 30' 00" E	1530 m
(see also: Djugu bos, Djugu, forêt de, Forêt de Djugu)			
Djugu territory		1° 55' 00" N 30° 30' 00" E	
Djugu territory		1° 55' 00" N 30° 30' 00" E	
Djugu, forêt de (see Djugu forest)		1° 55' 00" N 30° 30' 00" E	1530 m
Djuma river, upper		0° 38' 00" N 29° 34' 00" E	850 m
Djumma river, middle		0° 42' 00" N 29° 41' 00" E	800 m
Dramba		3° 40' 00" N 30° 19' 00" E	877 m
Drodo (see Drodro)		1° 46' 00" N 30° 32' 00" E	1854 m
Drodro, near Saliboko		1° 46' 00" N 30° 32' 00" E	1854 m
(see also: Drodo)			
Dubulu		4° 18' 00" N 20° 16' 00" E	613 m
Duma, near Libenge/Ubangi		3° 53' 00" N 18° 41' 00" E	356 m
Dungu		3° 37' 00" N 28° 34' 00" E	669 m
Durba, Geology house		3° 08' 18" N 29° 35' 01" E	
Eala		0° 04' 00" N 18° 17' 00" E	301 m
East Kasai (former) province (see Kasai Oriental (former) province), see Sankuru, Lomani or Kasai Oriental provinces			
East Kasai province (see Kasai Oriental province)			
Eastern Congo			
Edouard, lac (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Edward meer (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Edward, lake	ca.	0° 08' 00" S 29° 35' 00" E	
(see also: Albert Edward Nyanza, Edouard, lac, Edward meer, Eward Nyanza, Idi Amin Dada, lake, Lac Edouard, Lac Idi Amine, Lake Edward, Lake Idi Amin Dada, Lake Rutanzige, Rutanzige, lake)			
Eidolon land, E of Kundulungu	ca.	10° 30' 00" S 27° 30' 00" E	
Elila		2° 43' 00" S 25° 53' 00" E	486 m
Elisabetha		1° 09' 00" N 23° 36' 00" E	428 m
(see also: Elizabetha)			
Elisabethstad (see Lubumbashi)		11° 40' 00" S 27° 26' 00" E	1209 m
Elisabethville (see Lubumbashi)		11° 40' 00" S 27° 26' 00" E	1209 m
Elizabetha (see Elisabetha)		1° 09' 00" N 23° 36' 00" E	428 m
Elizabethville (see Lubumbashi)		11° 40' 00" S 27° 28' 00" E	1208 m
Embe		4° 40' 00" N 29° 31' 00" E	
Epulu		1° 23' 45" N 28° 34' 40" E	750 m
Epulu, 13 km E	ca.	1° 24' 00" N 28° 35' 00" E	750 m
Epulu, 2 km W, Epulu river, right bank	ca.	1° 23' 45" N 28° 34' 40" E	750 m
Epulu, 6 km S, 2 km W	ca.	1° 23' 45" N 28° 34' 40" E	750 m
Equateur (former) province, see Equateur, Tshuapa, Sud Ubangi, Nord Ubangi or Mongala provinces			
(see also: Evenaarsprovincie)			
Equateur province			
Eringete (see Eringite)		0° 51' 00" N 29° 37' 00" E	1270 m
Eringite		0° 51' 00" N 29° 37' 00" E	1270 m
(see also: Eringete, Iringite)			
Etembo		0° 55' 00" N 28° 39' 00" E	832 m
Evenaarsprovincie (see Equateur (former) province)			
E'ville (see Lubumbashi)		11° 40' 00" S 27° 26' 00" E	1209 m
Eward Nyanza (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Faradje, on Dungu R., on Congo-Nile highway, 241 km N Irumu		3° 44' 00" N 29° 43' 00" E	775 m
(see also: Irumu, 241 km N)			
Faradje territory		3° 44' 00" N 29° 43' 00" E	
(see also: Faradje, zone)			
Faradje, zone (see Faradje territory)		3° 44' 00" N 29° 43' 00" E	
Farm 'des grands bois' (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Fataki		2° 00' 00" N 30° 34' 00" E	1611 m
Fataki area		2° 01' 00" N 30° 38' 00" E	ca. 1750 m
Ferme Wasseige (see Wasseige farm)		11° 49' 45" S 27° 20' 00" E	

Flandria (see Boteka)		0° 19' 00" S 19° 07' 00" E	337 m
Fomulac-Katana		2° 13' 00" S 28° 50' 00" E	
Forêt de Djugu (see Djugu forest)		1° 55' 00" N 30° 30' 00" E	1530 m
Forêt d'Irangi (see Irangi Forest)		1° 54' 00" S 28° 27' 00" E	
Fort Beni (see Vieux Beni)		0° 26' 00" N 29° 33' 00" E	585 m
François-Joseph, chutes (see Franz-Josef falls)	ca.	7° 35' 30" S 17° 13' 55" E	
Frandria (see Boteka)		0° 19' 00" S 19° 07' 00" E	337 m
Franz-Josef falls	ca.	7° 35' 30" S 17° 13' 55" E	
(see also: François-Joseph, chutes)			
Fuko		1° 15' 00" S 29° 28' 00" E	1300 m
Fuko (river)		1° 15' 00" S 29° 28' 00" E	1300 m
Funda Biabo		9° 50' 00" S 25° 33' 00" E	693 m
(see also: Funda Biako)			
Funda Biako (see Funda Biabo)		9° 50' 00" S 25° 33' 00" E	693 m
Fundi		2° 06' 00" N 30° 46' 00" E	1942 m
Fundi		0° 52' 00" N 27° 34' 00" E	
Fwa meer (see Fwa, lake)		5° 43' 00" S 23° 25' 00" E	
Fwa, lake		5° 43' 00" S 23° 25' 00" E	
(see also: Fwa meer, Lac Fwa, Lake Fwa)			
Gahama		1° 13' 00" S 29° 28' 00" E	1250 m
(see also: Kahama)			
Gala (see Gumba)		2° 57' 00" N 21° 26' 00" E	412 m
Gamangui		2° 10' 00" N 27° 15' 00" E	600 m
Ganda (see Ganda-Sundi)		4° 52' 00" S 12° 52' 00" E	294 m
Gandajika		6° 45' 00" S 23° 57' 00" E	806 m
Ganda-Sundi		4° 52' 00" S 12° 52' 00" E	294 m
(see also: Ganda)			
Gandu			
Gangala (see Gangala-na-Bodio)		3° 41' 00" N 29° 08' 00" E	701 m
Gangala na Bodio (see Gangala-na-Bodio)		3° 41' 00" N 29° 08' 00" E	701 m
Gangala-na-Bodio		3° 41' 00" N 29° 08' 00" E	701 m
(see also: Gangala, Gangala na Bodio, Gangara, Gangara na Bodio)			
Gangara (see Gangala-na-Bodio)		3° 41' 00" N 29° 08' 00" E	701 m
Gangara na Bodio (see Gangala-na-Bodio)		3° 41' 00" N 29° 08' 00" E	701 m
Ganza		9° 14' 17" S 26° 41' 48" E	860 m
Garamba National Park		4° 10' 00" N 29° 30' 00" E	
(see also: Parc National de Garamba)			
Gayu [river] (see Ngayu [river]), near Avakubi		1° 35' 00" N 27° 13' 00" E	
Gemena		3° 15' 00" N 19° 46' 00" E	555 m
Gemena territory		3° 15' 00" N 19° 46' 00" E	
Geramihasha river, affluent of Rodahira river		1° 13' 00" S 29° 27' 00" E	1250 m
Goma		1° 40' 45" S 29° 13' 22" E	1499 m
(see also: Ngoma)			
Gombe (see Ngombe)		6° 35' 00" S 20° 42' 00" E	528 m
Goroumbwa Mine		3° 06' 46" N 29° 34' 14" E	
Grand ebouli de Lemera (see Itombwe)		4° 04' 00" S 28° 40' 00" E	
Grotte d'Ango (see Ango cave)		4° 02' 00" N 25° 52' 00" E	610 m
Grotte de Banza Nfinda (see Banza Nfinda caves)		5° 16' 00" S 14° 52' 00" E	
Grotte de Baya (see Baya cave)		11° 52' 00" S 27° 27' 00" E	1279 m
Grotte de Defrenne (see Mwanga cave)		10° 58' 00" S 26° 39' 00" E	
Grotte de Dikuluwe (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers		10° 45' 00" S 25° 22' 00" E	
Grotte de Kaboyaboya (see Kaboyaboya cave), near Lubudi, near Kaio rapids, south fork Kapandula river		9° 56' 00" S 25° 58' 00" E	
Grotte de Kakanda (see Kakanda cave), Kolwezi or Haut Katanga province		10° 47' 00" S 26° 36' 00" E	1438 m
Grotte de Kakindo (see Kakondo cave), near SW shore of Lake Kivu		2° 16' 00" S 28° 51' 00" E	
Grotte de Kakondo (see Kakondo cave), near SW shore of Lake Kivu		2° 16' 00" S 28° 51' 00" E	
Grotte de Kakontwe (see Kakontwe cave), Likasi, ca. 8 km S		10° 59' 00" S 26° 38' 00" E	1294 m
Grotte de Kalomoni (see Kakontwe)		10° 59' 00" S 26° 40' 00" E	1294 m
Grotte de Kalumbu (see Kalumbu cave), near Kabolela, near Likasi		10° 51' 00" S 26° 39' 00" E	
Grotte de Kando (see Kando cave)		10° 49' 00" S 26° 07' 00" E	
Grotte de Kasoma (see Kasoma cave)		9° 25' 00" S 26° 37' 00" E	
Grotte de Kasowena (see Kasowena cave)		10° 58' 00" S 26° 39' 00" E	
Grotte de Katana (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Kele 1 (see Kele cave 1)		5° 31' 00" S 14° 36' 00" E	
Grotte de Kiasala (see Kiasala cave), near Lubudi		9° 56' 00" S 25° 58' 00" E	1300 m
Grotte de Kibwe Lya Mikako (see Kibwe Lya Mikako cave)		0° 14' 42" S 29° 01' 00" E	1500 m
Grotte de Kimuenza (see Kimuenza cave)		4° 27' 33" S 15° 17' 20" E	

Grotte de Kiwakishi (see Kiamokoto)		9° 10' 00" S 27° 04' 00" E	900 m
Grotte de Kondo (see Kakanda cave)		10° 47' 00" S 26° 36' 00" E	1438 m
Grotte de Kwama Kwama (see Kwama Kwama cave)		1° 19' 00" N 29° 52' 00" E	1200 m
Grotte de Kyantapo (see Kyantapo cave), 30 km SW Lubudi		9° 56' 00" S 25° 58' 00" E	1525 m
Grotte de Kyasala (see Kiasala cave), near Lubudi		9° 56' 00" S 25° 58' 00" E	1300 m
Grotte de Lubuka (see Lubuka cave)		3° 12' 00" S 28° 51' 00" E	
Grotte de Lukatu (see Ntoto cave)		6° 59' 00" S 29° 43' 00" E	827 m
Grotte de Lusolo (see Lusolo grot)		9° 56' 00" S 25° 28' 00" E	
Grotte de Mahysha (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Mahyusha (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Mani ou grotte de Nkela de Mbumba-Nsi (see Mani cave or Nkela cave or Mbumba-Nsi)		5° 22' 00" S 14° 32' 00" E	
Grotte de Matupi (see Matupi cave)		1° 16' 12" N 29° 54' 36" E	3500 ft
Grotte de M'baya (see Baya cave), near Lubumbashi		11° 52' 00" S 27° 27' 00" E	1279 m
Grotte de Montembessa (see Montembessa cave)			
Grotte de Mpopola (see Mpopola cave), Haut Lomami or Kolwezi province		9° 56' 00" S 25° 58' 00" E	1450 m
Grotte de Mugaba (see Mugaba cave)	ca.	2° 19' 23" S 28° 31' 04" E	
Grotte de Mulonga (see Mulonga cave), near Lubudi		9° 56' 00" S 25° 58' 00" E	
Grotte de Mulungwishi (see Mulungwishi, cave), near Likasi		10° 46' 58" S 26° 37' 52" E	1366 m
Grotte de Mwanakusu (see Mwanakusu cave)		4° 35' 00" S 27° 08' 00" E	
Grotte de Mwanga (see Mwanga cave), 15 km S Likasi		10° 58' 00" S 26° 39' 00" E	
Grotte de Pempere (see Pempere cave), 15 km S Likasi		10° 58' 00" S 26° 47' 00" E	
Grotte de Ribue Lya Mikako (see Kibwe Lya Mikako cave)		0° 14' 42" S 29° 01' 00" E	1500 m
Grotte de Saga Saga (see Saga Saga cave)		1° 19' 00" N 29° 52' 00" E	1160 m
Grotte de Tantara, ferme Dethioux (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Grotte de Tshamalenge (see Tshamalenge cave)		11° 46' 00" S 26° 30' 00" E	
Grotte de Yolohotiri (see Yolohotiri cave)		1° 13' 00" N 29° 49' 00" E	
Grotte I, ferme Dethioux (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Grotte II, ferme Dethioux (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Grotte Swanepoel I (see Swanepoel I cave), near Kambove		10° 50' 00" S 26° 39' 00" E	ca. 1350 m
Grottes de Banjan (see Banjan caves)		5° 16' 00" S 14° 53' 00" E	
Grottes de Bushokwe (see Bushokwe caves), Langara	ca.	2° 59' 27" S 28° 55' 29" E	
Grottes de Dethiox (see Kambove)		10° 50' 00" S 26° 39' 00" E	
Grottes Kiwakishi		9° 00' 00" S 27° 12' 00" E	
Grottoes de Bushokwe (see Bushokwe caves), Langara	ca.	2° 59' 27" S 28° 55' 29" E	
Gumba		2° 57' 00" N 21° 26' 00" E	412 m
(see also: Gala)			
Gundu, mount			
(see also: Mount Gundu)			
Haut Katanga province			
(see also: Upper Katanga province)			
Haut Lomami province			
(see also: Upper Lomani province)			
Haut Tshuapa (see Tshuapa river, upper)		1° 00' 00" S 23° 02' 00" E	
Haut Uele province			
(see also: Upper Uele province)			
Haute Congo			
Haute Zaire			
Homa, mont (see Hoyo, mount)		1° 13' 00" N 29° 49' 00" E	1200 m
Homa, Mount		1° 13' 00" N 29° 49' 00" E	
(see also: Mount Homa)			
How…, Eastern Zaire			
Hoyo, mount		1° 13' 00" N 29° 49' 00" E	1200 m
(see also: Homa, mont, Mont Hoyo, Mount Homa, Mount Hoyo)			
Ibambi		2° 22' 00" N 27° 37' 00" E	687 m
(see also: Dambi, Idambi)			
Ibebero			
Ibembo		2° 38' 00" N 23° 37' 00" E	420 m
Idambi (see Ibambi)		2° 22' 00" N 27° 37' 00" E	687 m
Idi Amin Dada, lake (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Idjwi, island		2° 09' 00" S 29° 04' 00" E	1600 m
(see also: Île Idjwi)			
Ihunga-Semliki confluence		0° 10' 00" N 29° 35' 00" E	
Ikange (see Ikengo)		0° 08' 00" S 18° 08' 00" E	301 m
Ikela		1° 11' 00" S 23° 16' 00" E	425 m
Ikela territory		1° 11' 00" S 23° 16' 00" E	
Ikenge (see Ikengo)		0° 08' 00" S 18° 08' 00" E	301 m
Ikengo		0° 08' 00" S 18° 08' 00" E	301 m
(see also: Ikange, Ikenge)			
Ile de Kongolo (see Kongolo, island)		0° 03' 00" N 25° 12' 00" E	
Île Idjwi (see Idjwi, island)		2° 09' 00" S 29° 04' 00" E	1600 m

Île Mafi (see Mafi, island)		0° 28' 20" N 25° 17' 00" E	
Île Mbiye (see Mbiye, island)		0° 27' 50" N 25° 17' 14" E	413 m
Ilimba		0° 50' 00" N 29° 58' 00" E	750 m
Imbonga		0° 43' 00" S 19° 46' 00" E	364 m
Inakiluba		11° 34' 00" S 27° 19' 00" E	1280 m
(see also: Nakiluba, Nakilubo)			
Inangongo		0° 33' 00" N 29° 41' 00" E	800 m
Inimvua		4° 35' 00" N 29° 43' 00" E	1061 m
Inkongo (see Inkongo-Kakese), on Sankuru river		4° 53' 00" S 23° 18' 00" E	400 m
Inkongo-Kakese		4° 53' 00" S 23° 18' 00" E	400 m
(see also: Inkongo, Inkongu)			
Inkongu (see Inkongo-Kakese)		4° 53' 00" S 23° 18' 00" E	400 m
Inongo		1° 57' 00" S 18° 16' 00" E	335 m
Irangi		1° 54' 00" S 28° 27' 00" E	
(see also: Irangi, slightly E of)			
Irangi bos (see Irangi Forest)		1° 54' 00" S 28° 27' 00" E	
Irangi Forest		1° 54' 00" S 28° 27' 00" E	
(see also: Bukavu, 100 km W, Forêt d'Irangi, Irangi bos)			
Irangi, 10 km from (see Tshambutschu)	ca.	1° 58' 00" S 28° 30' 00" E	
Irangi, 2 mi [=3.2 km] from (see Kasiba)	ca.	1° 54' 00" S 28° 27' 00" E	
Irangi, 3 mi [=4.8 km] from, on Irangi - Bukavu road	ca.	1° 54' 00" S 28° 27' 00" E	
Irangi, slightly E of (see Irangi), on road to Bukavu	ca.	1° 54' 00" S 28° 27' 00" E	
Irebu		0° 37' 00" S 17° 45' 00" E	
Iringi			
Iringite (see Eringite)		0° 51' 00" N 29° 37' 00" E	1270 m
Irsac labo (see Luiro)		2° 14' 24" S 28° 47' 50" E	5400 ft
Irumu		1° 27' 00" N 29° 52' 00" E	
Irumu		1° 27' 00" N 29° 52' 00" E	841 m
Irumu, 20 mi [=32 km] S (see Mount Hoyo caves), 20 mi S Irumu		1° 13' 00" N 29° 49' 00" E	1200 m
Irumu, 241 km N (see Faradje)		3° 44' 00" N 29° 43' 00" E	775 m
Irumu, 25 km W (see Ituri Forest)		1° 23' 00" N 28° 38' 00" E	
Irumu, 40 mi [=64 km] SW (see Ituri Forest), East of the Ituri River and west of the Irumu-Beni road		1° 00' 00" N 29° 16' 00" E	
Irumu, 40 mi SW, Ituri River			
Irumu, 50 mi SW, Ituri Forest		1° 00' 00" N 29° 16' 00" E	
Isai River, Babeke, near		1° 24' 00" N 28° 04' 00" E	
Isato		3° 18' 00" N 18° 39' 00" E	323 m
Ishango River		0° 08' 00" S 29° 36' 00" E	950 m
Ishango-Nyakazi		0° 08' 00" S 29° 35' 00" E	950 m
Isirio (see Isiro)		2° 46' 00" N 27° 37' 00" E	730 m
Isiro		2° 46' 00" N 27° 37' 00" E	730 m
(see also: Isirio, Paulis)			
Iso		4° 18' 00" N 29° 56' 00" E	
(see also: Iso.4, Isoberlinia)			
Iso.4 (see Iso)		4° 18' 00" N 29° 56' 00" E	
Isoberlinia (see Iso)		4° 18' 00" N 29° 56' 00" E	
Isoga		3° 20' 00" S 28° 12' 00" E	1266 m
Issehe river		1° 05' 00" N 29° 49' 00" E	1200 m
Itombwe, Grand ebouli de Lemera		4° 04' 00" S 28° 40' 00" E	
(see also: Grand ebouli de Lemera, Lemera Great Sink)			
Ituri Forest, 50 mi SW Irumu		1° 23' 00" N 29° 38' 00" E	
(see also: Irumu, 25 km W)			
Ituri Forest, 40 mi SW Irumu		1° 00' 00" N 29° 16' 00" E	
(see also: Irumu, 40 mi [=64 km] SW, Sturi Forest)			
Ituri ht			
Ituri province			
Ituri River	ca.	1° 20' 00" N 27° 35' 00" E	
Ituri River, Bridge		1° 20' 00" N 27° 35' 00" E	
Ituri, south		1° 00' 00" N 29° 16' 00" E	
Iyonda, near Coquilhatville [=Mbandaka]		0° 02' 00" S 18° 12' 00" E	
Jadotstad (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Jadotstad, 15 km S (see Mwanga cave)			
Jadotsville (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Jadotville (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Jadotville, 15 km S (see Mwanga cave)			
Jadotville, ca. 8 km S (see Kakontwe)		10° 59' 00" S 26° 40' 00" E	1253 m
Jadoville (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Jaima			
Jiba		1° 52' 00" N 30° 42' 00" E	2123 m
Jiba Risasi		1° 52' 00" N 30° 42' 00" E	1800 m
(see also: Jiba Trisasi)			
Jiba Trisasi (see Jiba Risasi)		1° 52' 00" N 30° 42' 00" E	1800 m

Jolohafiri (see Yolokafiri)		1° 20' 00" N 29° 50' 00" E	1030 m
Jomba		1° 16' 54" S 29° 33' 14" E	
Kabakuli river		0° 27' 00" N 29° 44' 00" E	1500 m
Kabale		2° 29' 48" S 28° 47' 27" E	2044 m
Kabale, south end lake Edward (see also: Kabare)		0° 38' 00" S 29° 07' 00" E	1791 m
Kabalo		6° 03' 00" S 26° 55' 00" E	530 m
Kabalo territory		6° 03' 00" S 26° 55' 00" E	
Kabambaie [river]		5° 44' 00" S 20° 49' 00" E	
Kabambi		0° 51' 00" N 29° 39' 00" E	1260 m
Kabanga		6° 40' 12" S 23° 40' 12" E	
Kabanga (see Kabenge)		9° 01' 13" S 26° 44' 55" E	788 m
Kabare		2° 28' 00" S 28° 49' 00" E	2044 m
Kabare (see Kabale), south end lake Edward		0° 38' 00" S 29° 07' 00" E	1791 m
Kabatibi cave (see Mount Hoyo caves)	ca.	1° 13' 00" N 29° 49' 00" E	1200 m
Kabenge (see also: Kabanga)		9° 01' 13" S 26° 44' 55" E	788 m
Kabengere		9° 08' 00" S 26° 16' 00" E	732 m
Kabinda		6° 08' 00" S 24° 29' 00" E	842 m
Kabinda (former) district (see Lomami province)			
Kabinda territory		6° 08' 00" S 24° 29' 00" E	
Kabinda, 129 km NNW (see Kaseu)		5° 11' 00" S 23° 51' 00" E	
Kabira		2° 03' 00" S 28° 55' 00" E	1519 m
Kabive, 50 km SW			
Kabobo forest, 4 km SW Talama (see also: Talama, 4 km SW)		4° 59' 29" S 29° 04' 49" E	1950 m
Kabobo, mount (see also: Mount Kabobo)		5° 04' 00" S 29° 00' 00" E	2440 m
Kabongo		7° 19' 00" S 25° 35' 00" E	918 m
Kaboyaboya cave, near Lubudi, near Kaio rapids, south fork Kapandula river (see also: Grotte de Kaboyaboya, Kaboyaboya grot)		9° 56' 00" S 25° 58' 00" E	
Kaboyaboya grot (see Kaboyaboya cave), near Lubudi, near Kaio rapids, south fork Kapandula river		9° 56' 00" S 25° 58' 00" E	
Kabwe, 50 km SW Kananga (see also: Kananga, 50 km SW, Luluaburg, 50 km SW)		6° 12' 00" S 22° 23' 00" E	610 m
Kadehe River		1° 09' 00" S 29° 29' 00" E	1250 m
Kadia, Lake Kisale		8° 16' 00" S 26° 36' 00" E	556 m
Kadjidji (see Kajuju)		2° 09' 00" S 28° 54' 00" E	1455 m
Kadjudju (see Kajuju)		2° 09' 00" S 28° 54' 00" E	1455 m
Kafwe		8° 22' 00" S 29° 15' 00" E	1800 m
Kagada		3° 11' 00" S 28° 20' 00" E	
Kahama (see Gahama)		1° 13' 00" S 29° 28' 00" E	1250 m
Kahitumba (Mutaka)			
Kahuzi			
Kahuzi-Biega National Park		2° 00' 00" S 28° 45' 00" E	
Kailo, road to Kalima		2° 38' 00" S 26° 06' 00" E	602 m
Kajuchu (see Kajuju)		2° 09' 00" S 28° 54' 00" E	1455 m
Kajuju (see also: Kadjidji, Kadjudju, Kajuchu)		2° 09' 00" S 28° 54' 00" E	1455 m
Kakanda		3° 10' 00" S 28° 21' 00" E	1525 m
Kakanda cave, on Lualaba (see also: Grotte de Kakanda, Grotte de Kondo, Kakanda grot, Kondo cave, Kondo grot)		10° 47' 00" S 26° 36' 00" E	1438 m
Kakanda grot (see Kakanda cave), on Lualaba		10° 47' 00" S 26° 36' 00" E	1438 m
Kakanda Mutaka		10° 44' 00" S 26° 23' 00" E	
Kakindo cave (see Kakondo cave), near SW shore of Lake Kivu		2° 16' 00" S 28° 51' 00" E	
Kakindo grotte (see Kakondo cave), near SW shore of Lake Kivu		2° 16' 00" S 28° 51' 00" E	
Kakodo		4° 40' 00" N 29° 30' 00" E	
Kakoi, near Kikwit		5° 06' 11" S 18° 55' 58" E	451 m
Kakonda		5° 50' 00" S 28° 42' 00" E	800 m
Kakonde		7° 52' 00" S 29° 43' 00" E	
Kakonde river		11° 04' 39" S 26° 31' 15" E	
Kakondo, near SW shore of Lake Kivu		2° 15' 00" S 28° 42' 00" E	3051 m
Kakondo cave, near SW shore of Lake Kivu (see also: Grotte de Kakindo, Grotte de Kakondo, Kakindo cave, Kakindo grotte, Kakondo grot)		2° 16' 00" S 28° 51' 00" E	
Kakondo grot (see Kakondo cave), near SW shore of Lake Kivu		2° 16' 00" S 28° 51' 00" E	
Kakontwa (see Kakontwe), road to Kambove		10° 59' 00" S 26° 40' 00" E	1253 m

Kakontwe, road to Kambove, ca. 8 km S Likasi (see also: Grotte de Kalomoni, Jadotville, ca. 8 km S, Kakontwa, Kakontwe Camp, Kalomoni cave, Kalomoni grot, Likasi, ca. 8 km S)		10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwe Camp (see Kakontwe), Likasi, ca. 8 km S		10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwe cave, Likasi, ca. 8 km S (see also: Grotte de Kakontwe, Kakontwe grot)		10° 59' 00" S 26° 38' 00" E	1294 m
Kakontwe grot (see Kakontwe cave), Likasi, ca. 8 km S		10° 59' 00" S 26° 38' 00" E	1294 m
Kakungu		0° 07' 00" S 29° 37' 00" E	925 m
Kakyelo, on the Luombwa River		12° 21' 00" S 29° 35' 00" E	
Kalanda			
Kalehe territory	ca.	2° 06' 00" S 28° 55' 00" E	
Kalemi (see Kalemie)		5° 56' 00" S 29° 12' 00" E	763 m
Kalemie (see also: Albertstad, Albertville, Kalemi)		5° 56' 00" S 29° 12' 00" E	763 m
Kalemie territory		5° 56' 00" S 29° 12' 00" E	
Kalemie-Moba (road?) (see also: Albertville-Moba (road?))		5° 57' 00" S 29° 01' 00" E	
Kalenda		7° 07' 47" S 23° 32' 11" E	821 m
Kalenda [Kasai]		7° 08' 00" S 23° 32' 00" E	821 m
Kalikimvua		4° 15' 00" N 29° 45' 00" E	
Kalimabenge River		3° 24' 38" S 29° 08' 42" E	
Kalina		4° 22' 00" S 15° 17' 00" E	128 m
Kaliza [river] (see Kiliza [river]), near Kamitunga		3° 22' 16" S 28° 01' 22" E	
Kaloba, 5 km from	ca.	10° 16' 00" S 27° 37' 00" E	
Kalomoni cave (see Kakontwe), Likasi, 8 km S		10° 59' 00" S 26° 40' 00" E	1294 m
Kalomoni grot (see Kakontwe), Likasi, 8 km S		10° 59' 00" S 26° 40' 00" E	1294 m
Kalondji (see Kalongi)		6° 14' 00" S 23° 23' 00" E	799 m
Kalonge, W Ruwenzori		0° 20' 00" N 29° 48' 00" E	2455 m
Kalongi (see also: Kalondji, Kalonji)		6° 14' 00" S 23° 23' 00" E	799 m
Kalonji (see Kalongi)		6° 14' 00" S 23° 23' 00" E	799 m
Kalulako		11° 42' 00" S 27° 34' 00" E	
Kalumbu cave, near Kabolela, near Likasi (see also: Grotte de Kalumbu, Kalumbu grot)		10° 51' 00" S 26° 39' 00" E	
Kalumbu grot (see Kalumbu cave), near Kabolela, near Likasi		10° 51' 00" S 26° 39' 00" E	
Kalutenge		10° 30' 00" S 25° 37' 00" E	
Kamande		0° 35' 00" S 29° 18' 00" E	925 m
Kamatanda, near Likasi		10° 57' 00" S 26° 46' 00" E	
Kambemba		0° 34' 00" N 29° 41' 00" E	800 m
Kambove, 10 km Shinkolobwe and 35 km Jadotville (see also: Dethiox caves, Dethiox grotten, Detioux Cave, Grottes de Dethiox)		10° 50' 00" S 26° 39' 00" E	
Kambukabakali		0° 01' 00" S 29° 36' 00" E	930 m
Kamiama (see Kaniama)		7° 31' 00" S 24° 11' 00" E	887 m
Kamikoni		1° 16' 00" S 29° 19' 00" E	
Kamina territory		8° 44' 00" S 25° 00' 00" E	
Kamituga		3° 03' 19" S 28° 10' 55" E	1207 m
Kamituga and Kampene, road between	ca.	3° 38' 26" S 27° 15' 46" E	
Kamohohora		0° 40' 00" S 29° 33' 00" E	
Kamp u.m.H(aut).K(atanga)., on a banana tree (see also: Kamp U.M.H.K.)		11° 41' 00" S 27° 29' 00" E	
Kamp U.M.H.K. (see Kamp u.m.H(aut).K(atanga).), near Elisabethville		11° 41' 00" S 27° 29' 00" E	
Kampala		2° 12' 00" S 27° 45' 00" E	1068 m
Kamponde		6° 42' 00" S 22° 56' 00" E	829 m
Kamuesha (see also: Kamueshi, Kamwesha)		6° 12' 00" S 21° 26' 00" E	608 m
Kamueshi (see Kamuesha)		6° 12' 00" S 21° 26' 00" E	608 m
Kamusimbi		3° 01' 00" S 28° 13' 00" E	
Kamwesha (see Kamuesha)		6° 12' 00" S 21° 26' 00" E	608 m
Kananga (see also: Lulua, Luluabourg, Luluaburg, Mission St Joseph)		5° 53' 45" S 22° 25' 04" E	608 m
Kananga, 50 km SW (see Kabwe)		6° 12' 00" S 22° 23' 00" E	610 m
Kando cave (see also: Grotte de Kando, Kando grot)		10° 49' 00" S 26° 07' 00" E	
Kando grot (see Kando cave)		10° 49' 00" S 26° 07' 00" E	
Kandu (cave)		9° 56' 00" S 25° 58' 00" E	
Kaniama (see also: Kamiama)		7° 31' 00" S 24° 11' 00" E	887 m
Kaniama territory		7° 31' 00" S 24° 11' 00" E	
Kaniki (see Kaniki Kapangu)		6° 45' 00" S 23° 31' 00" E	805 m

Kaniki Kapangu		6° 45' 00" S 23° 31' 00" E	805 m
(see also: Bena-Kaniki, Kaniki, Mutembu Kaniki Kapangu)			
Kantundwe		1° 10' 00" S 29° 28' 00" E	1150 m
(see also: Kontundwe)			
Kanyatsi		0° 08' 00" S 29° 37' 00" E	940 m
Kanyawamukunzi river		1° 10' 00" S 29° 34' 00" E	1300 m
Kanzarue river		1° 09' 00" S 29° 24' 00" E	1150 m
Kanzenze		1° 23' 02" S 29° 12' 51" E	2343 m
Kanzenze mission		10° 31' 00" S 25° 12' 00" E	1157 m
(see also: Liège Sacre-Coeur mission, Mission de Liège Sacre-Coeur)			
Kapanga		8° 21' 00" S 22° 35' 00" E	881 m
Kapaso		11° 40' 00" S 27° 29' 00" E	
Kapaya (see Kasongo)		4° 27' 00" S 26° 40' 00" E	625 m
Kapolowe, St. Gerard mission		11° 02' 00" S 26° 57' 00" E	1135 m
(see also: Kapolowe mission, Mission St Gerard, St Gerard mission)			
Kapolowe mission (see Kapolowe)		11° 02' 00" S 26° 57' 00" E	1135 m
Kaponda		11° 45' 00" S 27° 20' 00" E	1274 m
(see also: Kaponde, Kapondo)			
Kaponde (see Kaponda)		11° 45' 00" S 27° 20' 00" E	1274 m
Kapondo (see Kaponda)		11° 45' 00" S 27° 20' 00" E	1274 m
Kapushia		10° 41' 00" S 22° 52' 00" E	965 m
Karambi		2° 45' 02" S 28° 38' 24" E	
Karambi		0° 39' 00" S 29° 21' 00" E	896 m
Karavia [mine]		11° 39' 00" S 27° 17' 00" E	
Karawa		3° 20' 00" N 20° 18' 00" E	453 m
Karekere (see Kerekere)		2° 42' 00" N 30° 33' 00" E	1158 m
Karibumba		0° 22' 00" N 29° 22' 00" E	1412 m
Kasai	ca.	6° 00' 00" S 22° 00' 00" E	
Kasai Central province			
(see also: Lulua province)			
Kasai Occidental (former) province, see Kasai or Lulua provinces			
(see also: West Kasai (former) province)			
Kasai Oriental (former) province, see Sankuru, Lomani or Kasai Oriental provinces			
(see also: East Kasai (former) province)			
Kasai Oriental province			
(see also: East Kasai province, Tshilinge (former) district)			
Kasai province			
Kasai, eastern	ca.	6° 00' 00" S 22° 00' 00" E	
Kasaji		10° 22' 00" S 23° 27' 00" E	1087 m
Kasaji Malonga		10° 27' 00" S 23° 27' 00" E	
Kasaka		5° 07' 00" S 26° 09' 00" E	618 m
Kasaka		0° 05' 00" N 29° 36' 00" E	900 m
Kasambongo		3° 24' 00" S 29° 08' 00" E	
(see also: Cape Cassa Mabongo)			
Kasanga		6° 30' 00" S 16° 55' 00" E	
Kasapa		11° 34' 00" S 27° 25' 00" E	1243 m
Kasebaya river (see Kasebeya River)		1° 10' 00" S 29° 28' 00" E	1350 m
Kasebere		1° 49' 00" S 28° 45' 00" E	
Kasebeya River		1° 10' 00" S 29° 28' 00" E	1350 m
(see also: Kasebaya river)			
Kasende		5° 56' 56" S 22° 32' 18" E	619 m
Kasenga		10° 22' 00" S 28° 38' 00" E	938 m
(see also: Kasenga mission, Mission Kasenga)			
Kasenga mission (see Kasenga)		10° 22' 00" S 28° 38' 00" E	938 m
Kasenga road, km 106		10° 44' 00" S 28° 26' 00" E	
Kasenga road, km 37		11° 37' 00" S 27° 40' 00" E	
(see also: Bulaga)			
Kasenga road, km 67		11° 00' 00" S 28° 07' 00" E	
Kasenga territory		10° 22' 00" S 28° 38' 00" E	
Kasengi (see Kasengu), near Lake Albert		2° 08' 11" N 31° 05' 06" E	1532 m
Kasengo		11° 26' 28" S 27° 58' 04" E	1147 m
(see also: Kasongo)			
Kasengu, near Lake Albert		2° 08' 11" N 31° 05' 06" E	1532 m
(see also: Kasengi)			
Kasenye		1° 24' 00" N 30° 26' 00" E	671 m
(see also: Kasenyi, Keseny, Kisenyi)			
Kasenye, 10 km N, near Lake Albert	ca.	1° 25' 00" N 30° 25' 00" E	
Kasenyi (see Kasenye)		1° 24' 00" N 30° 26' 00" E	671 m

Kaseu, Pania Mutumbo, on right bank of Sankuru River, 129 km NNW Kabinda (see also: Kabinda, 129 km NNW)		5° 11' 00" S 23° 51' 00" E	
Kashiobwe (see also: Kashiobwe mission, Mission Kashiobwe)		9° 39' 00" S 28° 37' 00" E	918 m
Kashiobwe mission (see Kashiobwe)		9° 39' 00" S 28° 37' 00" E	918 m
Kashwa		0° 47' 00" S 29° 12' 00" E	1797 m
Kasiba, 2 mi [=3.2 km] from Irangi (see also: Irangi, 2 mi [=3.2 km] from)	ca.	1° 54' 00" S 28° 27' 00" E	
Kasindi (see also: Kasindi Vieux, Kasindi-port, Old Kasindi)		0° 02' 10" S 29° 42' 49" E	1049 m
Kasindi Vieux (see Kasindi)		0° 02' 10" S 29° 42' 49" E	1049 m
Kasindi-port (see Kasindi)		0° 02' 10" S 29° 42' 49" E	1049 m
Kasoma		9° 25' 00" S 26° 37' 00" E	
Kasoma cave (see also: Grotte de Kasoma, Kasoma grot)		9° 25' 00" S 26° 37' 00" E	
Kasoma grot (see Kasoma cave)		9° 25' 00" S 26° 37' 00" E	
Kasombo			
Kasonga-Banze (see also: Kasongo Baza, Kasongo-Banze)		5° 36' 00" S 23° 24' 00" E	532 m
Kasongo (see also: Kapaya, Kazongo, Tongoni)		4° 27' 00" S 26° 40' 00" E	625 m
Kasongo (see Kasengo)		11° 26' 28" S 27° 58' 04" E	1147 m
Kasongo Baza (see Kasonga-Banze)		5° 36' 00" S 23° 24' 00" E	532 m
Kasongo Mwano		8° 44' 00" S 27° 51' 00" E	
Kasongo Samba		4° 30' 00" S 26° 40' 00" E	
Kasongo territory		4° 27' 00" S 26° 40' 00" E	
Kasongo-Banze (see Kasonga-Banze)		5° 36' 00" S 23° 24' 00" E	532 m
Kasowena cave (see also: Grotte de Kasowena, Kasowena grot)		10° 58' 00" S 26° 39' 00" E	
Kasowena grot (see Kasowena cave)		10° 58' 00" S 26° 39' 00" E	
Kassi river		4° 15' 00" N 29° 35' 00" E	
Kasuo cave Kabwe ka		6° 37' 00" S 24° 58' 00" E	
Kasuo-Kibwe cave (see Kibwe Lya Mikako cave)		0° 14' 42" S 29° 01' 00" E	1500 m
Kaswabilenga		8° 48' 00" S 26° 41' 00" E	700 m
Kaswabilenga			
Katabayi		6° 11' 00" S 21° 20' 00" E	
Katana, W shore Lake Kivu (see also: Liège Saint Lambert)		2° 13' 30" S 28° 49' 53" E	1595 m
Katana cave (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Katana grot (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Katanda, Left bank Rutshuru river (see also: Katenda)		0° 50' 54" S 29° 22' 08" E	975 m
Katanda road, km 411		1° 00' 00" S 29° 00' 00" E	
Katanga	ca.	10° 00' 00" S 27° 30' 00" E	
Katanga (former) province, see Tanganika, Haut Katanga, Kolwezi, Haut Lomani or Lualaba provinces (see also: Shaba (former) province)			
Katanga s		10° 00' 00" S 27° 30' 00" E	
Katanga, near			
Katapena, thermal spring in the vicinity of Lake Upemba	ca.	8° 35' 00" S 26° 25' 00" E	
Kataye Sukunga			
Kateke [river], on Lualaba, Muovwe, or Lufira river (see also: Kateke)		9° 04' 00" S 26° 43' 00" E	
Katenda (see Katanda), Left bank Rutshuru river		0° 50' 54" S 29° 22' 08" E	975 m
Katende chute (see Katende falls), 30 km Luluabourg [=Kananga]		5° 46' 00" S 21° 40' 00" E	647 m
Katende falls, 30 km Luluabourg [=Kananga] (see also: Katende chute, Katende waterval)		5° 46' 00" S 21° 40' 00" E	647 m
Katende waterval (see Katende falls), 30 km Luluabourg [=Kananga]		5° 46' 00" S 21° 40' 00" E	647 m
Katentania		10° 19' 00" S 25° 54' 00" E	1597 m
Katobwe, on Lualaba river, 40 mi [=64 km] below Bukama (see also: Bukama, 40 mi [=64 km] below)		8° 54' 00" S 26° 04' 00" E	610 m
Katshungu		2° 27' 00" S 27° 23' 00" E	1013 m
Katupila, on Lufira river		8° 50' 00" S 26° 44' 00" E	
Katwé		10° 27' 51" S 27° 51' 30" E	
Kavuaya		5° 20' 19" S 14° 51' 48" E	
Kawa (forest)		1° 34' 00" N 30° 32' 00" E	753 m
Kawezi-Uvira road	ca.	3° 19' 24" S 29° 09' 34" E	
Kayombe (see Dilolo)		10° 28' 00" S 22° 28' 00" E	1069 m
Kazongo (see Kasongo)		4° 27' 00" S 26° 40' 00" E	625 m
Kele cave 1 (see also: Grotte de Kele 1, Kele grot 1)		5° 31' 00" S 14° 36' 00" E	

Kele grot 1 (see Kele cave 1)	5° 31' 00" S 14° 36' 00" E	
Kenya, near Lubumbashi	11° 44' 00" S 27° 30' 00" E	1119 m
Kere Kere (see Kerekere)	2° 42' 00" N 30° 33' 00" E	1158 m
Kerekere	2° 42' 00" N 30° 33' 00" E	1158 m
(see also: Karekere, Kere Kere)		
Keri river	1° 29' 00" S 18° 58' 00" E	
(see also: Kiri river)		
Keroma	4° 35' 00" N 29° 32' 00" E	
Keseki	2° 07' 00" S 16° 32' 00" E	308 m
(see also: Kesiki)		
Keseny (see Kasenye)	1° 24' 00" N 30° 26' 00" E	671 m
Kesiki (see Keseki)	2° 07' 00" S 16° 32' 00" E	308 m
Keyberg, near Lubumbashi	11° 43' 00" S 27° 25' 00" E	
Kiabo, 14 km upstream (see Sombe)	8° 50' 00" S 26° 02' 00" E	
Kiamanwa	9° 30' 00" S 27° 55' 00" E	
Kiambi	7° 20' 00" S 28° 01' 00" E	607 m
Kiamokoto, on Lukima river	9° 10' 00" S 27° 04' 00" E	900 m
(see also: Grotte de Kiwakishi, Kiwakishi cave, Kiwakishi grot)		
Kiantapo cave (see Kyantapo cave)	9° 56' 00" S 25° 58' 00" E	1525 m
Kiasala cave, near Lubudi	9° 56' 00" S 25° 58' 00" E	1300 m
(see also: Grotte de Kiasala, Grotte de Kyasala, Kiasala grot, Kyasala cave, Kyasala grande grotte, Kyasala grot)		
Kiasala grot (see Kiasala cave), near Lubudi	9° 56' 00" S 25° 58' 00" E	1300 m
Kiavikere	0° 24' 00" N 29° 46' 00" E	1553 m
(see also: Kiavikire)		
Kiavikire (see Kiavikere)	0° 24' 00" N 29° 46' 00" E	1553 m
Kiavinionge (see Kyavinionge)	0° 07' 00" S 26° 36' 00" E	935 m
Kibanda	8° 57' 00" S 27° 38' 00" E	1223 m
Kibanda	3° 20' 00" S 27° 12' 00" E	688 m
Kibanga	8° 50' 00" S 26° 44' 00" E	1300 m
Kibumba, Goma - Rutshuru road, 1800 m outside Albert National Park [=Virunga National Park]	1° 28' 00" S 29° 20' 00" E	1650 m
Kibwe Lya Mikako cave	0° 14' 42" S 29° 01' 00" E	1500 m
(see also: Grotte de Kibwe Lya Mikako, Grotte de Ribue Lya Mikako, Kasuo-Kibwe cave, Ribue Lya Mikako cave)		
Kidada	5° 22' 00" S 14° 32' 00" E	
Kifumwanshi	11° 27' 00" S 27° 51' 00" E	
Kihumba (see Kiumba)	1° 56' 25" S 29° 04' 47" E	1602 m
Kikanda	11° 33' 00" S 27° 37' 00" E	
Kikango, km 35 on route Moba Mplala	6° 37' 00" S 29° 30' 00" E	
(see also: Moba - Mplala road, km 35)		
Kikole-Pecheur		
Kikondja	8° 11' 00" S 26° 26' 00" E	607 m
(see also: Kikondji)		
Kikondji (see Kikondja)	8° 11' 00" S 26° 26' 00" E	607 m
Kikura	0° 33' 00" N 29° 57' 00" E	1900 m
Kikwit	5° 03' 44" S 18° 52' 38" E	438 m
(see also: Kikwit ITPK)		
Kikwit ITPK (see Kikwit)	5° 03' 44" S 18° 52' 38" E	438 m
Kilembe, 52 mi [=84 km] S	5° 47' 00" S 19° 54' 00" E	
Kilemue	2° 53' 00" S 28° 07' 00" E	
Kilia Kaparata	0° 23' 00" N 29° 36' 00" E	980 m
Kilibozi	3° 03' 00" S 28° 09' 00" E	
Kiligi	2° 53' 00" S 28° 18' 00" E	
Kilinga	1° 10' 00" S 28° 29' 00" E	1275 m
Kilitza [river] (see Kiliza [river]), near Kamitunga	3° 22' 16" S 28° 01' 22" E	
Kiliza [river], near Kamitunga	3° 22' 16" S 28° 01' 22" E	
(see also: Kaliza [river], Kilitza [river])		
Kilo mines (see Kilomines)	1° 48' 00" N 30° 14' 00" E	1466 m
Kilobelobe (see Kilobilobe)	11° 42' 00" S 27° 34' 00" E	
Kilobilobe	11° 42' 00" S 27° 34' 00" E	
(see also: Kilobelobe)		
Kilobono	3° 03' 00" S 28° 11' 00" E	
(see also: Kilobore, Kiloboze)		
Kilobore (see Kilobono)	3° 03' 00" S 28° 11' 00" E	
Kiloboze (see Kilobono)	3° 03' 00" S 28° 11' 00" E	
Kilomamensa		
Kilomines	1° 48' 00" N 30° 14' 00" E	1466 m
(see also: Bambu, Kilo mines, Mines de Kilo)		
Kilubulushi (see Kitubulushi)	12° 44' 00" S 28° 56' 00" E	1257 m
Kilubwezi		
Kilwa, lake Moero	9° 18' 00" S 28° 20' 00" E	918 m
Kilwezi	9° 06' 00" S 26° 46' 00" E	854 m

Kimbemba cataracts	ca.	4° 51' 00" S 14° 06' 00" E	
Kimbinga market		5° 08' 00" S 19° 03' 00" E	585 m
Kimilolo		11° 42' 00" S 27° 25' 00" E	
Kimpoko (see Kimpoko-Nsele)		4° 14' 04" S 15° 33' 01" E	294 m
Kimpoko-Nsele		4° 14' 04" S 15° 33' 01" E	294 m
(see also: Kimpoko, Nsele)			
Kimuenza cave		4° 27' 33" S 15° 17' 20" E	
(see also: Grotte de Kimuenza, Kimuenza grot, Kimwenza cave)			
Kimuenza grot (see Kimuenza cave)		4° 27' 33" S 15° 17' 20" E	
Kimvuadu, se Mayumbe territory ?		5° 15' 00" S 13° 18' 00" E	
Kimwenza cave (see Kimuenza cave)		4° 27' 33" S 15° 17' 20" E	
Kinawa passage, confluence Thyuma & Semliki		0° 40' 00" N 29° 50' 00" E	
Kinda		4° 47' 00" S 21° 48' 00" E	470 m
Kindu		2° 57' 00" S 25° 57' 00" E	504 m
(see also: Kindu-Port-Empain, Port de Kindu, Port-Empain)			
Kindu, 30 km SW (see Scierie Forest)		3° 10' 00" S 25° 46' 00" E	
Kindu-Port-Empain (see Kindu)		2° 57' 00" S 25° 57' 00" E	504 m
Kingabwa		4° 18' 00" S 15° 18' 00" E	
Kingulube		2° 38' 57" S 28° 01' 17" E	1238 m
Kinke, near Lubumbashi		11° 27' 00" S 27° 29' 00" E	1287 m
Kinkole, 25 mi [= 40 km] N of Kinshasa		3° 57' 00" S 16° 07' 00" E	474 m
Kinshasa		4° 19' 47" S 15° 18' 54" E	240 m
(see also: Leopoldstad, Leopoldville, Léopoldville, Lovanium university)			
Kinshasa City province			
Kinshasa, 10 km W	ca.	4° 20' 00" S 15° 15' 00" E	
(see also: TASOK (The American School of Kinshasa))			
Kinshasa, near Leopoldville		4° 18' 00" S 15° 18' 00" E	177 m
(see also: Léo-Est)			
Kintobongo		8° 53' 56" S 26° 23' 25" E	608 m
(see also: Kintobongo-Bunge, Kitobongo, Kitombongo)			
Kintobongo-Bunge (see Kintobongo)		8° 53' 56" S 26° 23' 25" E	608 m
Kinyamahura		1° 18' 00" S 29° 33' 00" E	1905 m
Kinzambi mission, near Kikwit		4° 58' 38" S 18° 46' 28" E	312 m
(see also: Mission de Kinzambi)			
Kipangaribwe river, tributary of Lusinga river		8° 56' 00" S 27° 12' 00" E	
Kipopo		11° 34' 00" S 27° 21' 00" E	
Kipushi		11° 46' 00" S 27° 14' 00" E	1329 m
Kipushi territory		11° 46' 00" S 27° 14' 00" E	
Kipushi, 15 km from (see Wasseige farm)		11° 49' 45" S 27° 20' 00" E	
Kipushi, road to	ca.	11° 45' 00" S 27° 15' 00" E	
Kiri river (see Keri river)		1° 29' 00" S 18° 58' 00" E	
Kisala (see Kisala-Kiama)		4° 48' 00" S 13° 10' 00" E	433 m
Kisala Nkiama (see Kisala-Kiama)		4° 48' 00" S 13° 10' 00" E	433 m
Kisala-Kiama		4° 48' 00" S 13° 10' 00" E	433 m
(see also: Kisala, Kisala Nkiama)			
Kisanga		0° 16' 00" N 29° 43' 00" E	960 m
Kisanga		2° 25' 00" S 28° 18' 00" E	
Kisangani		0° 31' 00" N 25° 12' 00" E	447 m
(see also: Singitini, Stanleystad, Stanleyville, Université de Kisangani, Faculté des Sciences, Zookis)			
Kisangani - Mambasa road, km 122 (see Maganga)		0° 51' 00" N 26° 22' 00" E	
Kisangani, 45 km E (see Tshakala)		0° 27' 27" N 25° 32' 05" E	453 m
Kisangani, zone	ca.	0° 30' 00" N 25° 12' 00" E	
Kisantu, near Mbanza-Ngungu		5° 07' 00" S 15° 05' 00" E	
Kisenyi (see Kasenye)		1° 24' 00" N 30° 26' 00" E	671 m
Kishero		0° 11' 00" N 29° 39' 00" E	925 m
Kisiki, 36 km N Beni		0° 45' 00" N 29° 34' 00" E	1177 m
(see also: Beni, 36 km N, Kisiki Kalume)			
Kisiki Kalume (see Kisiki), 36 km N Beni		0° 45' 00" N 29° 34' 00" E	1177 m
Kisingani		0° 32' 30" N 25° 11' 00" E	
Kisisile		1° 25' 00" S 29° 30' 00" E	1250 m
Kisiushi, Kinke - Elisabethville [=Lubumbashi] road		11° 30' 00" S 27° 30' 00" E	
Kiswishi [river], near Lubumbashi		12° 51' 00" S 29° 12' 00" E	
Kitangua		6° 17' 00" S 20° 20' 00" E	649 m
Kitimi		3° 58' 00" S 15° 53' 00" E	
Kitobongo (see Kintobongo)		8° 53' 56" S 26° 23' 25" E	608 m
Kitombongo (see Kintobongo)		8° 53' 56" S 26° 23' 25" E	608 m
Kitonga		0° 30' 00" S 29° 18' 00" E	920 m
Kitongo		3° 46' 00" S 28° 11' 00" E	1400 m

Kitubulushi		12° 44' 00" S 28° 56' 00" E	1257 m
(see also: Kilubulushi)			
Kitundu Kinda		9° 30' 00" S 24° 55' 00" E	
Kitutu		3° 17' 14" S 28° 05' 08" E	1040 m
Kitwabaluzi		2° 53' 00" S 28° 35' 00" E	1543 m
Kiulu Mgemgo (see Kuili Ngongo)		4° 24' 00" S 17° 42' 00" E	
Kiumba		1° 56' 25" S 29° 04' 47" E	1602 m
(see also: Kihumba)			
Kivu (see Kivu region)			
Kivu meer (see Lake Kivu)	ca.	2° 00' 00" S 28° 55' 00" E	
Kivu mountains	ca.	2° 00' 00" S 28° 45' 00" E	
Kivu region			
(see also: Kivu)			
Kivu volcano (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Kivu, lac (see Lake Kivu)	ca.	2° 00' 00" S 28° 55' 00" E	
Kivu, lake (see Lake Kivu)	ca.	2° 00' 00" S 28° 55' 00" E	
Kivu, near	ca.	2° 00' 00" S 28° 45' 00" E	
Kivulo, on Lufira river			
Kiwakishi cave (see Kiamokoto)		9° 10' 00" S 27° 04' 00" E	900 m
Kiwakishi grot (see Kiamokoto)		9° 10' 00" S 27° 04' 00" E	900 m
Kiyite			
Ko[g]enga			
Kodja hill		3° 09' 00" N 29° 29' 00" E	
Kodoko river (see Kokodo river)		4° 38' 00" N 29° 30' 00" E	
Kokodo river		4° 38' 00" N 29° 30' 00" E	
(see also: Kodoko river)			
Kokodu		4° 35' 00" N 29° 32' 00" E	
Kokonde			
Koloka, S of Angu		3° 23' 00" N 24° 30' 00" E	
Kolwezi		10° 43' 00" S 25° 28' 21" E	1448 m
Kolwezi province			
Komanda		1° 23' 00" N 29° 46' 00" E	928 m
(see also: Komande)			
Komande (see Komanda)		1° 23' 00" N 29° 46' 00" E	928 m
Kona		2° 02' 00" N 22° 47' 00" E	
Kondo cave (see Kakanda cave)		10° 47' 00" S 26° 36' 00" E	1438 m
Kondo grot (see Kakanda cave)		10° 47' 00" S 26° 36' 00" E	1438 m
Kondue [river]		4° 57' 00" S 23° 21' 00" E	
Kongo Central province	ca.	5° 00' 00" S 15° 00' 00" E	
(see also: Bas Congo (former) province, Bas Congo province)			
Kongolo		5° 25' 00" S 27° 00' 00" E	
Kongolo, island		0° 03' 00" N 25° 12' 00" E	
(see also: Ile de Kongolo)			
Kontundwe (see Kantundwe)		1° 10' 00" S 29° 28' 00" E	1150 m
Konyola, near Kisangani		0° 03' 00" N 25° 12' 00" E	
Korovi, mount		1° 39' 00" N 30° 36' 00" E	2010 m
(see also: Mount Korovi)			
Koteli (see Kotili)		2° 52' 00" N 24° 33' 00" E	432 m
Kotili		2° 52' 00" N 24° 33' 00" E	432 m
(see also: Koteli)			
Kuango		4° 45' 00" S 13° 36' 00" E	
Kuili		4° 24' 00" S 17° 42' 00" E	
(see also: Kuili Ngongo)			
Kuili Ngongo (see Kuili)		4° 24' 00" S 17° 42' 00" E	
(see also: Kiulu Mgemgo)			
Kuleponge (see Kulepongi)		3° 22' 00" N 25° 41' 00" E	604 m
Kulepongi		3° 22' 00" N 25° 41' 00" E	604 m
(see also: Kuleponge, Kulepongo)			
Kulepongo (see Kulepongi)		3° 22' 00" N 25° 41' 00" E	604 m
Kumbi			
Kumi		4° 31' 48" S 26° 33' 00" E	
Kundelungu National Park	ca.	10° 30' 00" S 27° 30' 00" E	
(see also: Park National de Kundelungo)			
Kunungu		2° 06' 00" S 16° 26' 00" E	
Kwama Kwama cave		1° 19' 00" N 29° 52' 00" E	1200 m
(see also: Grotte de Kwama Kwama, Kwama Kwama grot)			
Kwama Kwama grot (see Kwama Kwama cave)		1° 19' 00" N 29° 52' 00" E	1200 m
Kwamouth		3° 10' 00" S 16° 12' 00" E	146 m
Kwango		6° 28' 14" S 17° 26' 55" E	1020 m
Kwango province	ca.	6° 30' 00" S 17° 46' 00" E	
Kwilu province			
Kya irtumbi (see Mutwanga)		0° 20' 00" N 29° 45' 00" E	1338 m
Kyamakonde Cave, near Lubudi	ca.	9° 56' 00" S 25° 58' 00" E	

Kyantapo cave, 30 km SW Lubudi		9° 56' 00" S 25° 58' 00" E	1525 m
(see also: Grotte de Kyantapo, Kiantapo cave, Kyantapo grot, Lubudi, 30 km SW)			
Kyantapo grot (see Kyantapo cave), 30 km SW Lubudi		9° 56' 00" S 25° 58' 00" E	1525 m
Kyasala cave (see Kiasala cave), near Lubudi		9° 56' 00" S 25° 58' 00" E	1300 m
Kyasala grande grotte (see Kiasala cave)		9° 56' 00" S 25° 58' 00" E	1300 m
Kyasala grot (see Kiasala cave), near Lubudi		9° 56' 00" S 25° 58' 00" E	1300 m
Kyavinionge		0° 07' 00" S 26° 36' 00" E	935 m
(see also: Kiavinionge)			
Kyniamahura			
Labo Irsac (see Luiro)		2° 14' 24" S 28° 47' 50" E	5400 ft
Lac Albert (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Lac Edouard (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Lac Fwa (see Fwa, lake)		5° 43' 00" S 23° 25' 00" E	
Lac Idi Amine (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Lac Kivu (see Lake Kivu)	ca.	2° 00' 00" S 28° 55' 00" E	
Lac Léopold II (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Lac Marion (see Marion, lake)			
Lac Moero (see Moero, lake)		9° 00' 00" S 28° 45' 00" E	
Lac Mugunga (see Mugunga, lake)		1° 37' 00" S 29° 08' 00" E	1500 m
Lac Ondo (see Ondo, lake)		1° 08' 07" S 29° 19' 21" E	
Lac Tanganyika, bord Nord-Ouest (see Lake Tanganyika, NW bank)	ca.	3° 20' 00" S 29° 12' 00" E	
Lac Tumba (see Tumba, lake)	ca.	0° 48' 00" S 18° 03' 00" E	
Lai Lay (see Lailai)		1° 56' 55" S 28° 34' 19" E	1276 m
Lailai		1° 56' 55" S 28° 34' 19" E	1276 m
(see also: Lai Lay)			
Lake Albert (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Lake Edward (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Lake Edward, S end	ca.	0° 41' 02" S 29° 22' 49" E	
Lake Fwa (see Fwa, lake)		5° 43' 00" S 23° 25' 00" E	
Lake Idi Amin Dada (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Lake Kivu	ca.	2° 00' 00" S 28° 55' 00" E	
(see also: Kivu meer, Kivu, lac, Kivu, lake, Lac Kivu)			
Lake Kivu, near	ca.	2° 00' 00" S 29° 10' 00" E	
Lake Leopold II (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Lake Mai-Ndombe (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Lake Marion (see Marion, lake)			
Lake Mobutu Sese Seko (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Lake Moero (see Moero, lake)		9° 00' 00" S 28° 45' 00" E	
Lake Mugunga (see Mugunga, lake)		1° 37' 00" S 29° 08' 00" E	1500 m
Lake Ondo (see Ondo, lake)		1° 08' 07" S 29° 19' 21" E	
Lake Rutanzige (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Lake Tanganyika, NW bank	ca.	3° 20' 00" S 29° 12' 00" E	
(see also: Lac Tanganyika, bord Nord-Ouest, Tanganyika meer, NW oever, Tanganyika, lake, NW bank)			
Lake Tumba (see Tumba, lake)	ca.	0° 48' 00" S 18° 03' 00" E	
Lake Tumba, Island in	ca.	0° 48' 00" S 18° 03' 00" E	
Lamya Valley		0° 50' 14" N 29° 59' 15" E	
(see also: Lanuga valley)			
Lanuga valley (see Lamya Valley)		0° 50' 14" N 29° 59' 16" E	
Lemba plain		4° 18' 00" S 15° 18' 00" E	
(see also: Lemba vlakte)			
Lemba vlakte (see Lemba plain)		4° 18' 00" S 15° 18' 00" E	
Lemera		2° 08' 08" S 28° 49' 41" E	2281 m
Lemera Great Sink (see Itombwe)		4° 04' 00" S 28° 40' 00" E	
Lemera, SW of	ca.	2° 10' 00" S 28° 50' 00" E	8800 ft
Léo-Est (see Kinshasa, near Leopoldville)		4° 18' 00" S 15° 18' 00" E	177 m
Leopold 2nd, lake (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Leopold II meer (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Leopold II, lake (see Mai-Ndombe, lake)		2° 05' 05" S 18° 20' 21" E	
Leopoldstad (see Kinshasa)		4° 19' 47" S 15° 18' 54" E	240 m
Leopoldville (see Kinshasa)		4° 18' 00" S 15° 18' 00" E	240 m
Léopoldville (see Kinshasa)		4° 19' 47" S 15° 18' 54" E	240 m
Lesse		0° 45' 00" N 29° 48' 00" E	800 m
Leverstad (see Lusanga)		4° 50' 00" S 18° 44' 00" E	307 m
Leverville (see Lusanga)		4° 50' 00" S 18° 44' 00" E	307 m
Libenge		3° 39' 00" N 18° 38' 00" E	326 m
(see also: Libengué)			
Libengué (see Libenge)		3° 39' 00" N 18° 38' 00" E	326 m
Liège Sacre-Coeur mission (see Kanzenze mission)		10° 31' 00" S 25° 12' 00" E	1157 m
Liège Saint Lambert (see Katana)		2° 13' 30" S 28° 49' 53" E	1595 m
Lieki		0° 41' 11" N 24° 11' 00" E	508 m

Likandi river (see Litaki river)	3° 11' 00" N 26° 11' 00" E	
Likasi	10° 58' 53" S 26° 44' 00" E	1318 m
(see also: Farm 'des grands bois', Jadotstad, Jadotsville, Jadotville, Jadoville, Mission Sainte Thérèse, Panda Camp, St Therese mission, St. Theresa mission)		
Likasi, 130 km N (see Tenke)	10° 35' 00" S 26° 07' 00" E	1512 m
Likasi, 15 km S (see Mwanga cave)		
Likasi, ca. 8 km S (see Kakontwe)	10° 59' 00" S 26° 40' 00" E	1253 m
Likati River	2° 53' 46" N 24° 02' 54" E	
Liki	0° 07' 00" S 29° 34' 00" E	
Lima	0° 12' 00" N 29° 18' 00" E	
Liondo	0° 47' 32" S 22° 38' 32" E	508 m
Liondo	0° 55' 00" S 22° 41' 00" E	416 m
(see also: Loondo)		
Lisala	2° 09' 00" N 21° 31' 00" E	409 m
(see also: Lizala)		
Lisala territory	2° 09' 00" N 21° 31' 00" E	
Litaki river	3° 11' 00" N 26° 11' 00" E	
(see also: Likandi river)		
Lizala (see Lisala)	2° 09' 00" N 21° 31' 00" E	409 m
Loanza mission (see Luanza mission)	8° 42' 00" S 28° 42' 00" E	1132 m
Lobango	0° 19' 00" S 29° 13' 00" E	2197 m
(see also: Lubango)		
Lobi	4° 09' 40" N 23° 05' 31" E	
Lodja	3° 29' 00" S 23° 26' 00" E	450 m
(see also: Loja)		
Lodja territory	3° 29' 00" S 23° 26' 00" E	
Lofoi [river]	10° 13' 00" S 27° 25' 00" E	
Loja (see Lodja)	3° 29' 00" S 23° 26' 00" E	450 m
Lomami province		
(see also: Kabinda (former) district)		
Lomera	0° 07' 00" N 29° 35' 00" E	915 m
Lonzo (see Loso)	0° 08' 00" S 29° 36' 00" E	950 m
Loondo (see Liondo)	0° 55' 00" S 22° 41' 00" E	416 m
Loondo Mugunga	0° 42' 00" S 22° 41' 00" E	
Losho (see Loso), near Tshango, Lake Edward	0° 08' 00" S 29° 36' 00" E	950 m
Loso, near Tshango, Lake Edward	0° 08' 00" S 29° 36' 00" E	950 m
(see also: Lonzo, Losho)		
Lotakamela	0° 13' 34" S 21° 57' 10" E	508 m
Lovanium university (see Kinshasa)	4° 19' 47" S 15° 18' 54" E	240 m
Lovoi	8° 48' 00" S 24° 50' 00" E	1126 m
Lower Uele province (see Bas Uele province)		
Lualaba province		
Lualaba River (see Mulongo)	7° 50' 00" S 27° 00' 00" E	578 m
Luanu	5° 13' 00" S 19° 08' 00" E	
Luanza missie (see Luanza mission)	8° 42' 00" S 28° 42' 00" E	1132 m
Luanza mission	8° 42' 00" S 28° 42' 00" E	1132 m
(see also: Loanza mission, Luanza missie, Mission de Luanza)		
Lubango (see Lobango)	0° 19' 00" S 29° 13' 00" E	2197 m
Lubenge	7° 30' 00" S 29° 59' 00" E	5650 ft
Luberezi (see Luberizi)	2° 59' 00" S 29° 06' 00" E	957 m
Luberizi	2° 59' 00" S 29° 06' 00" E	957 m
(see also: Luberezi)		
Lubondaie-Tshimbulu	6° 34' 00" S 22° 39' 00" E	794 m
(see also: Lubondai-Tshimbulu)		
Lubondai-Tshimbulu (see Lubondaie-Tshimbulu)	6° 34' 00" S 22° 39' 00" E	794 m
Lubudi	9° 57' 00" S 25° 58' 00" E	1307 m
(see also: Lubudi, large cave, Lubudi, small cave, Lusolo cave)		
Lubudi, 30 km SW (see Kyantapo cave)	9° 56' 00" S 25° 58' 00" E	1525 m
Lubudi, large cave (see Lubudi)	9° 57' 00" S 25° 58' 00" E	1307 m
Lubudi, small cave (see Lubudi)	9° 57' 00" S 25° 58' 00" E	1307 m
Lubudi-Lusolo	9° 56' 00" S 25° 58' 00" E	
Lubuka cave	3° 12' 00" S 28° 51' 00" E	
(see also: Grotte de Lubuka, Lubuka grot)		
Lubuka grot (see Lubuka cave)	3° 12' 00" S 28° 51' 00" E	
Lubumbashi	11° 40' 00" S 27° 28' 00" E	1208 m
(see also: Elisabethstad, Elisabethville, Elizabethville, E'ville, Lumumbashi)		
Lubumbashi, 30 km S (see Baya quarry)	11° 52' 00" S 27° 27' 00" E	1279 m
Lubumbashi, 68 km E	11° 07' 00" S 28° 08' 00" E	
Lubumbashi, 69 km E (see Musonge)	11° 28' 00" S 27° 52' 00" E	1183 m
Lubumbashi, 70 km E (see Mumena)	11° 04' 00" S 28° 08' 00" E	
Lubutu	0° 44' 00" S 26° 35' 00" E	669 m

Lubutu territory		0° 44' 00" S 26° 35' 00" E	
Lubwe		10° 42' 56" S 27° 22' 33" E	
Luebo		5° 21' 00" S 21° 25' 00" E	478 m
Luebo territory		5° 36' 00" S 21° 25' 00" E	
Luena		9° 26' 11" S 25° 47' 18" E	
Lufa River		4° 01' 33" N 29° 46' 03" E	
Lufira River, upper	ca.	10° 54' 27" S 26° 59' 42" E	
(see also: Lupufa River, near)			
Lufu		5° 40' 00" S 13° 53' 00" E	
Luhohov (river), near Irangi reserve		1° 30' 20" S 28° 05' 51" E	
Luiko (see Lwiko)		3° 05' 00" S 28° 47' 00" E	
Luiro		2° 14' 24" S 28° 47' 50" E	5400 ft
(see also: Irsac labo, Labo Irsac, Lwiro, Lwiro Katana, Mwiru)			
Luisa (see Luiza territory)		7° 12' 00" S 22° 25' 00" E	
Luiza territory		7° 12' 00" S 22° 25' 00" E	
(see also: Luisa)			
Lukafu		10° 31' 00" S 27° 33' 00" E	930 m
Lukatu cave (see Ntoto cave)		6° 59' 00" S 29° 43' 00" E	827 m
Lukatu grot (see Ntoto cave)		6° 59' 00" S 29° 43' 00" E	827 m
Luki Biosphere Reserve		5° 38' 24" S 13° 12' 30" E	
Luki Biosphere Reserve, Forest NE of	ca.	5° 38' 24" S 13° 12' 30" E	
Lukobwe		9° 05' 36" S 27° 12' 47" E	
Lukoi River			
Lukolela		1° 03' 00" S 17° 12' 00" E	285 m
Lukolela, 4 mi from	ca.	1° 03' 00" S 17° 12' 00" E	
Lukonga		5° 48' 00" S 22° 37' 00" E	632 m
Lukonzolwa		8° 47' 00" S 28° 39' 00" E	918 m
Lukula, Mayumbe area		5° 23' 00" S 12° 57' 00" E	196 m
Lukula, 15 km W (see Bondo)		5° 24' 00" S 12° 54' 00" E	
Lukulu		7° 08' 00" S 27° 07' 00" E	573 m
Lula	ca.	7° 25' 00" S 22° 33' 00" E	
Lulenga (see Rugari)		1° 24' 47" S 29° 22' 23" E	2089 m
Lulimba		4° 41' 36" S 28° 37' 54" E	877 m
Lulimbi		0° 28' 00" S 29° 39' 00" E	
Lulola-Kasanga		3° 06' 00" S 26° 59' 00" E	
(see also: Mulolo-Kisanga)			
Lulua (see Kananga)		5° 53' 45" S 22° 25' 04" E	608 m
Lulua province (see Kasai Central province)			
Luluabourg (see Kananga)		5° 53' 45" S 22° 25' 04" E	608 m
Luluabourg, gorge	ca.	5° 53' 00" S 22° 26' 00" E	
Luluaburg (see Kananga)		5° 53' 45" S 22° 25' 04" E	608 m
Luluaburg, 50 km SW (see Kabwe)		6° 12' 00" S 22° 23' 00" E	610 m
Lume river, near	ca.	0° 15' 00" N 29° 35' 00" E	
Lumumbashi (see Lubumbashi)		11° 40' 00" S 27° 26' 00" E	1209 m
Lundjulu		0° 20' 00" S 28° 36' 00" E	1300 m
Luofu		0° 37' 00" S 29° 07' 00" E	1809 m
Lupufa River, near (see Lufira River, upper)	ca.	10° 54' 27" S 26° 59' 42" E	
Luputa		7° 10' 00" S 23° 42' 00" E	841 m
Lurhogole Swamp area	ca.	2° 00' 00" S 28° 45' 00" E	
Lusambo		4° 58' 00" S 23° 27' 00" E	397 m
(see also: Luzambo)			
Lusanga		4° 50' 00" S 18° 44' 00" E	307 m
(see also: Leverstad, Leverville)			
Lusanga Mwanza		5° 50' 00" S 13° 03' 00" E	
Lusano and KKK zone			
Lushala		2° 13' 00" S 28° 49' 00" E	
Lusilubi valley	ca.	0° 25' 10" N 29° 45' 51" E	
Lusinga		8° 56' 00" S 27° 12' 00" E	
Lusolo cave (see Lubudi)		9° 57' 00" S 25° 58' 00" E	1307 m
Lusolo grot		9° 56' 00" S 25° 28' 00" E	
(see also: Grotte de Lusolo)			
Luta Nzige (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Lutunguru		0° 28' 12" S 28° 48' 46" E	1774 m
Luvungi		2° 52' 00" S 29° 02' 00" E	887 m
Luzambo (see Lusambo)		4° 58' 00" S 23° 27' 00" E	397 m
Lwana River	ca.	1° 56' 17" S 28° 28' 19" E	
Lwiko		3° 05' 00" S 28° 47' 00" E	
(see also: Luiko)			
Lwiro (see Luiro)		2° 14' 24" S 28° 47' 50" E	5400 ft
Lwiro Katana (see Luiro)		2° 14' 24" S 28° 47' 50" E	5400 ft
Mabali		2° 20' 00" S 28° 50' 00" E	
Mabali, E coast Lake Tumba		0° 55' 00" S 18° 09' 00" E	
Mabanga		4° 22' 00" N 29° 47' 00" E	
Mabereni river		3° 05' 00" N 29° 22' 00" E	
Maboya (see Maboyo)		0° 19' 00" N 29° 20' 00" E	1374 m

Maboyo		0° 19' 00" N 29° 20' 00" E	1374 m
(see also: Maboya)			
Mabwe		8° 39' 00" S 26° 31' 00" E	574 m
Mabwe river, East of Lake Upemba		8° 42' 00" S 26° 29' 00" E	590 m
Macaco		5° 28' 00" S 21° 10' 00" E	
Madimao		11° 40' 00" S 27° 29' 00" E	
Mafi, island		0° 28' 20" N 25° 17' 00" E	
(see also: Île Mafi)			
Maganga, km 122 on Kisangani - Mambasa road		0° 51' 00" N 26° 22' 00" E	
(see also: Kisangani - Mambasa road, km 122, Mangangu)			
Maginda		0° 49' 00" N 29° 54' 00" E	850 m
Mahagi		2° 18' 00" N 30° 59' 00" E	1671 m
(see also: Mahaji)			
Mahagi Port, Lake Albert		2° 09' 00" N 31° 14' 00" E	679 m
(see also: Mahaji Port)			
Mahagi territory		2° 18' 00" N 30° 59' 00" E	
Mahaji (see Mahagi)		2° 18' 00" N 30° 59' 00" E	1671 m
Mahaji Port (see Mahagi Port), Lake Albert		2° 09' 00" N 31° 14' 00" E	679 m
Mahysha cave (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Mahysha grot (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Mahyusa Cave (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Mahyusha cave		2° 13' 00" S 28° 50' 00" E	1480 m
(see also: Grotte de Katana, Grotte de Mahysha, Grotte de Mahyusha, Katana cave, Katana grot, Mahysha cave, Mahysha grot, Mahyusa Cave, Mahyusha grot)			
Mahyusha grot (see Mahyusha cave)		2° 13' 00" S 28° 50' 00" E	1480 m
Mai-Ndombe province			
Mai-Ndombe, lake		2° 05' 05" S 18° 20' 21" E	
(see also: Lac Léopold II, Lake Leopold II, Lake Mai-Ndombe, Leopold 2nd, lake, Leopold II meer, Leopold II, lake)			
Mai-ya-Moto (see May ya Moto)		0° 14' 00" N 29° 43' 00" E	950 m
Maka, Banks of the Lualaba; Haut Lomami or Tanganyika province		8° 56' 00" S 26° 04' 00" E	
Makaia N'Tete		5° 33' 00" S 13° 02' 00" E	
Makala		0° 33' 00" N 27° 45' 00" E	634 m
Makaw		3° 29' 00" S 18° 19' 00" E	315 m
Makayova river		0° 43' 00" N 29° 43' 00" E	750 m
Makayova river, lower		0° 43' 00" N 29° 43' 00" E	750 m
Make		4° 36' 00" S 15° 10' 00" E	
Makengo, on Kwango river		4° 46' 00" S 16° 19' 00" E	611 m
Makisabo		0° 24' 00" N 29° 36' 00" E	950 m
(see also: Makisabu)			
Makisabu (see Makisabo)		0° 24' 00" N 29° 36' 00" E	950 m
Makpe		4° 20' 00" N 29° 34' 00" E	
(see also: Makpe river, upper)			
Makpe river, upper (see Makpe)		4° 20' 00" N 29° 34' 00" E	
Makulakulu (see Mukulakulu)		9° 33' 00" S 25° 47' 00" E	828 m
Malandje (see Malandji)		5° 56' 22" S 22° 17' 57" E	608 m
Malandji		5° 56' 22" S 22° 17' 57" E	608 m
(see also: Malandje, Malanji)			
Malanji (see Malandji)		5° 56' 22" S 22° 17' 57" E	608 m
Malela, near Boma		5° 59' 00" S 12° 37' 00" E	2 m
Maleli		4° 20' 00" N 29° 37' 00" E	
Malembe, in the south of the Walikale Territory	ca.	1° 26' 00" S 28° 04' 00" E	
Malili		4° 13' 00" N 29° 32' 00" E	
Malingongo		0° 44' 00" N 29° 40' 00" E	800 m
Malulu		0° 32' 00" N 29° 35' 00" E	
Mambabwanga Hill (see Batala's Village), 30 mi W Beni		0° 30' 00" N 29° 15' 00" E	1000 m
Mambaka		0° 51' 00" N 27° 33' 00" E	
Mambasa territory		1° 21' 00" N 29° 03' 00" E	
Mamudioma		0° 40' 00" N 29° 38' 00" E	1000 m
Mandima	ca.	1° 21' 00" N 29° 03' 00" E	
Mangangu (see Maganga)		0° 51' 00" N 26° 22' 00" E	
Mangbwelu river		0° 21' 00" N 29° 44' 00" E	1300 m
Mani cave or Nkela cave or Mbumba-Nsi		5° 22' 00" S 14° 32' 00" E	
(see also: Grotte de Mani ou grotte de Nkela de Mbumba-Nsi, Mani grot of Nkela grot van Mbumba-Nsi)			
Mani grot of Nkela grot van Mbumba-Nsi (see Mani cave or Nkela cave or Mbumba-Nsi)		5° 22' 00" S 14° 32' 00" E	
Maniema province			
Manono		7° 18' 00" S 27° 25' 00" E	664 m
(see also: Manono Katanga)			

Manono Katanga (see Manono)		7° 18' 00" S 27° 25' 00" E	664 m
Marari		4° 20' 00" N 29° 40' 00" E	
Marion, lake			
(see also: Lac Marion, Lake Marion)			
Marumbi		1° 10' 00" N 29° 30' 00" E	1360 m
Marunga mountains		7° 30' 00" S 29° 59' 00" E	5650 ft
Marungu, Qua Mpala [=Lualaba]		6° 43' 00" S 29° 31' 00" E	
Masaba		4° 33' 00" S 16° 54' 00" E	
Masabu		4° 33' 00" S 16° 54' 00" E	597 m
Masako, 15 km from Buta		0° 36' 00" N 25° 13' 00" E	
(see also: Masako)			
Masibingi		0° 02' 00" N 29° 02' 00" E	
Masimengo		0° 34' 00" N 29° 42' 00" E	800 m
Masombwe		9° 05' 00" S 27° 12' 00" E	1163 m
Matadi		5° 49' 00" S 13° 27' 00" E	18 m
(see also: Matidi)			
Matale		2° 39' 17" S 28° 21' 55" E	1217 m
Matamba		5° 56' 57" S 22° 15' 56" E	619 m
Matata cave		0° 58' 30" N 29° 40' 00" E	1160 m
Matidi (see Matadi)		5° 49' 00" S 13° 27' 00" E	18 m
Matupi cave		1° 16' 12" N 29° 54' 36" E	3500 ft
(see also: Grotte de Matupi, Matupi grot)			
Matupi grot (see Matupi cave)		1° 16' 12" N 29° 54' 36" E	3500 ft
Mauda		4° 05' 00" N 27° 41' 00" E	
Maunzi		5° 19' 00" S 15° 07' 00" E	547 m
(see also: Mavunzi, Mawunzi, Mvuazi)			
Mavunzi (see Maunzi)		5° 19' 00" S 15° 07' 00" E	547 m
Mawambi		1° 04' 00" N 28° 34' 00" E	653 m
Mawunzi (see Maunzi)		5° 19' 00" S 15° 07' 00" E	547 m
May ya Moto, Semliki valley		0° 14' 00" N 29° 43' 00" E	950 m
(see also: Mai-ya-Moto, May ya Moto, sources chaudes, Moto, Mai ya, Moto, May a, Moto, May ya)			
May ya Moto, sources chaudes (see May ya Moto)		0° 14' 00" N 29° 43' 00" E	950 m
Mayumbe		2° 30' 00" N 27° 37' 00" E	678 m
Mayumbe	ca.	5° 00' 00" S 15° 00' 00" E	
Mayumbe area	ca.	4° 30' 00" S 12° 30' 00" E	
Mayumbe, near	ca.	2° 30' 00" N 27° 37' 00" E	
Mbalaka (plantation), near Kikwit		5° 00' 00" S 18° 53' 00" E	
Mbale			
Mbandaka		0° 04' 00" N 18° 16' 00" E	306 m
Mbanza-Ngungu		5° 15' 00" S 14° 52' 00" E	604 m
(see also: Cave C.8.1, Thysstad, Thysville)			
Mbawu		5° 54' 00" S 22° 25' 00" E	
M'baya cave (see Baya cave), near Lubumbashi		11° 52' 00" S 27° 27' 00" E	1279 m
M'baya grot (see Baya cave), near Lubumbashi		11° 52' 00" S 27° 27' 00" E	1279 m
Mbelekelo		3° 20' 00" S 28° 04' 00" E	1100 m
Mbiye, island		0° 27' 50" N 25° 17' 14" E	413 m
(see also: Île Mbiye)			
Mboga (see Boga)		1° 03' 00" N 29° 56' 00" E	1562 m
Mbuji-Mayi		6° 09' 00" S 23° 36' 00" E	549 m
(see also: Bakwanga, Mbuy Mayi)			
Mbuji-Mayi, 32 km SE	ca.	6° 09' 00" S 23° 36' 00" E	
Mbuy Mayi (see Mbuji-Mayi)		6° 09' 00" S 23° 36' 00" E	549 m
Mbuye-Bala river, affluent of Muye river	ca.	9° 10' 00" S 27° 04' 00" E	
Mbwambala, near Kikwit		5° 03' 00" S 18° 55' 00" E	
Medja (see Medje)		2° 25' 00" N 27° 18' 00" E	617 m
Medje		2° 25' 00" N 27° 18' 00" E	617 m
(see also: Medja)			
Medje, about 30 mi [=48 km] ENE (see Pawa)		2° 31' 00" N 27° 04' 00" E	
Melume		2° 58' 10" N 24° 56' 00" E	508 m
Menga, near Kikwit		5° 03' 00" S 18° 51' 00" E	
Meridi river		4° 40' 00" N 29° 33' 00" E	
M'gayu		1° 35' 00" N 27° 13' 00" E	
Mikalaie (mission) (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
Mikalaya		6° 01' 00" S 22° 19' 00" E	608 m
(see also: Mikalaie (mission), Mikalaya missie, Mikalaya mission, Mission de Mikalaya, Saint Joseph de Luluabourg (mission), Saint-Joseph (misson), St Joseph mission, St. Jos. (misson), St. Joseph de Luluabourg mission)			
Mikalaya missie (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
Mikalaya mission (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
Miki		3° 23' 46" S 28° 41' 41" E	2060 m
Mimbulu		11° 43' 00" S 27° 19' 00" E	
Mines de Kilo (see Kilomines)		1° 48' 00" N 30° 14' 00" E	1466 m

Misotschi-Kabogo Highlands		5° 06' 19" S 29° 03' 56" E	1880 m
Mission de Kinzambi (see Kinzambi mission)		4° 58' 38" S 18° 46' 28" E	312 m
Mission de Liège Sacre-Coeur (see Kanzenze mission)		10° 31' 00" S 25° 12' 00" E	1157 m
Mission de Luanza (see Luanza mission)		8° 42' 00" S 28° 42' 00" E	1132 m
Mission de Mikalaya (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	
Mission Kasenga (see Kasenga)		10° 22' 00" S 28° 38' 00" E	938 m
Mission Kashiobwe (see Kashiobwe)		9° 39' 00" S 28° 37' 00" E	918 m
Mission Sacre Coeur (see Sacred Heart mission), near Kikwit		5° 01' 43" S 18° 50' 47" E	
Mission Sainte Thérèse (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Mission St Gerard (see Kapolowe)		11° 02' 00" S 26° 57' 00" E	1135 m
Mission St Joseph (see Kananga)		5° 53' 45" S 22° 25' 04" E	608 m
Mistandunga		2° 05' 00" S 16° 22' 00" E	228 m
Misu		1° 45' 00" N 30° 18' 00" E	
Mitwaba territory		8° 39' 00" S 27° 20' 00" E	
Moanda (see Muanda)		5° 56' 00" S 12° 21' 00" E	0 m
Moba (see also: Baudhuinville, Baudouinville, Boudewijnstad)		7° 03' 00" S 29° 47' 00" E	763 m
Moba - Mplala road, km 35 (see Kikango)		6° 37' 00" S 29° 30' 00" E	
Moba territory		4° 18' 00" N 21° 11' 00" E	
Mobutu Sese Seko, lake (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Moenda		0° 25' 00" N 29° 46' 00" E	
Moenge		2° 03' 00" N 22° 51' 54" E	508 m
Moera		0° 39' 00" N 29° 30' 00" E	1000 m
Moera's village, 25 km NW Beni, Ituri drainage (see also: Beni, 25 km NW)	ca.	0° 35' 00" N 29° 25' 00" E	914 m
Moero meer (see Moero, lake)		9° 00' 00" S 28° 45' 00" E	
Moero, lake (see also: Lac Moero, Lake Moero, Moero meer)		9° 00' 00" S 28° 45' 00" E	
Mogbwamu river		4° 35' 00" N 29° 44' 00" E	
Moka river (see Moko river)		4° 09' 00" N 29° 43' 00" E	
Moko river (see also: Moka river)		4° 09' 00" N 29° 43' 00" E	
Molindi river		1° 09' 00" S 29° 19' 00" E	1000 m
Moliro		8° 13' 00" S 30° 34' 00" E	764 m
Mondombe		0° 53' 00" S 22° 45' 00" E	414 m
Mondunga II chefferie			
Mongala province			
Mongbwala (see Mongbwalu)		1° 57' 00" N 30° 02' 00" E	1374 m
Mongbwalu (see also: Mongbwala)		1° 57' 00" N 30° 02' 00" E	1374 m
Mongende		2° 06' 00" S 16° 20' 00" E	
Mont Hoyo (see Hoyo, mount)		1° 13' 00" N 29° 49' 00" E	1200 m
Mont Hoyo cave (see Mount Hoyo caves), 20 mi S Irumu		1° 13' 00" N 29° 49' 00" E	1200 m
Mont Hoyo, grottes (see Mount Hoyo caves), 20 mi S Irumu		1° 13' 00" N 29° 49' 00" E	1200 m
Montembessa cave (see also: Grotte de Montembessa)			
Morubia		4° 11' 00" N 29° 29' 00" E	
Moseda (see Mosenda)		0° 04' 00" N 29° 22' 00" E	1737 m
Mosenda (see also: Moseda, Mosendwa, Museya)		0° 04' 00" N 29° 22' 00" E	1737 m
Mosendwa (see Mosenda)		0° 04' 00" N 29° 22' 00" E	1737 m
Mosenge		4° 39' 00" S 18° 58' 00" E	508 m
Moto, Mai ya (see May ya Moto), Semliki valley		0° 14' 00" N 29° 43' 00" E	950 m
Moto, May a (see May ya Moto), Semliki valley		0° 14' 00" N 29° 43' 00" E	950 m
Moto, May ya (see May ya Moto), Semliki valley		0° 14' 00" N 29° 43' 00" E	950 m
Mount Gundu (see Gundu, mount)			
Mount Homa (see Homa, Mount)		1° 13' 00" N 29° 49' 00" E	
Mount Homa (see Hoyo, mount)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Hoyo (see Hoyo, mount)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Hoyo caverns (see Mount Hoyo caves), 20 mi S Irumu		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Hoyo caves, 20 mi S Irumu (see also: Irumu, 20 mi [=32 km] S, Kabatibi cave, Mont Hoyo cave, Mont Hoyo, grottes, Mount Hoyo caverns)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Kabobo (see Kabobo, mount)		5° 04' 00" S 29° 00' 00" E	2440 m
Mount Kahuzi, W slope		2° 12' 07" S 28° 40' 24" E	2560 m
Mount Korovi (see Korovi, mount)		1° 39' 00" N 30° 36' 00" E	2010 m
Mount Muvo (see Muvo, mount)		1° 14' 00" S 29° 18' 00" E	
Mount Ne (see Né, mount), Blukwa		1° 42' 00" N 30° 39' 00" E	
Mount Sombwe		9° 10' 12" S 26° 43' 12" E	

Mount Tshiaberimu (see Tshiabirimu, mount), Kalibina, Ngwangwa forest	ca.	0° 05' 00" S 29° 26' 00" E	
Mount Tshiabirimu (see Tshiabirimu, mount), Kalibina, Ngwangwa forest	ca.	0° 05' 00" S 29° 26' 00" E	
Mount Wago (see Wago, mount)		1° 45' 00" N 30° 40' 00" E	2240 m
Mouth of Congo	ca.	6° 00' 00" S 12° 30' 00" E	
Mpala		6° 45' 00" S 29° 31' 00" E	774 m
M'Pala, Kazenze		10° 29' 00" S 25° 13' 00" E	
Mpaza		4° 14' 00" N 29° 37' 00" E	878 m
Mpe		2° 12' 00" S 17° 38' 00" E	399 m
Mpopola cave (see also: Grotte de Mpopola, Mpopola grot)		9° 56' 00" S 25° 58' 00" E	1450 m
Mpopola grot (see Mpopola cave), Haut Lomami or Kolwezi province		9° 56' 00" S 25° 58' 00" E	1450 m
Muanda (see also: Moanda)		5° 56' 00" S 12° 21' 00" E	0 m
Mudina (see Ndemba)		5° 30' 00" S 22° 16' 00" E	
Mudina Ndemba (see Ndemba)		5° 30' 00" S 22° 16' 00" E	
Mueka (see Mweka)		4° 51' 00" S 21° 34' 00" E	466 m
Muezi Lupungu, near Kinda		9° 25' 00" S 24° 55' 00" E	
Mufunga, on Kufua (or Lufua) river		10° 58' 00" S 26° 47' 00" E	
Mugaba cave (see also: Grotte de Mugaba)	ca.	2° 19' 23" S 28° 31' 04" E	
Mugeri mission (see also: Petit seminaire de Mugeri)		2° 12' 00" S 28° 42' 00" E	1493 m
Mugongo		1° 30' 00" S 29° 20' 00" E	
Mugunga meer (see Mugunga, lake)		1° 37' 00" S 29° 08' 00" E	1500 m
Mugunga, lake (see also: Lac Mugunga, Lake Mugunga, Mugunga meer)		1° 37' 00" S 29° 08' 00" E	1500 m
Muhulu		1° 03' 00" S 27° 17' 00" E	671 m
Muite Nzige (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Mukishi [station]		8° 29' 35" S 24° 43' 37" E	
Mukuen (see also: Mukween, Mukwen, Mukwena)		11° 46' 00" S 27° 27' 00" E	
Mukulakula (see Mukulakulu)		9° 33' 00" S 25° 47' 00" E	828 m
Mukulakulu (see also: Makulakulu, Mukulakula)		9° 33' 00" S 25° 47' 00" E	828 m
Mukuta (see Mututa)		11° 21' 00" S 27° 47' 00" E	1229 m
Mukwande river		0° 19' 00" N 29° 42' 00" E	1300 m
Mukwaya		6° 32' 00" S 23° 26' 00" E	
Mukween (see Mukuen)		11° 46' 00" S 27° 27' 00" E	
Mukwen (see Mukuen)		11° 46' 00" S 27° 27' 00" E	
Mukwena (see Mukuen)		11° 46' 00" S 27° 27' 00" E	
Mulala		0° 19' 00" N 29° 44' 00" E	1200 m
Mule		2° 24' 20" S 28° 33' 10" E	1936 m
Mulima			
Mulolo		3° 06' 00" S 26° 58' 00" E	
Mulolo		9° 56' 00" S 26° 58' 00" E	
Mulolo-Kisanga (see Lulola-Kasanga)		3° 06' 00" S 26° 59' 00" E	
Mulombo (see Mulongo), on Lualaba river		7° 50' 00" S 27° 00' 00" E	578 m
Mulong cave (see Mulonga cave)		9° 56' 00" S 25° 58' 00" E	
Mulonga cave, near Lubudi (see also: Grotte de Mulonga, Mulong cave, Mulonga grot)		9° 56' 00" S 25° 58' 00" E	
Mulonga grot (see Mulonga cave), near Lubudi		9° 56' 00" S 25° 58' 00" E	
Mulongo, on Lualaba river (see also: Lualaba River, Mulombo)		7° 50' 00" S 27° 00' 00" E	578 m
Mulungu (see also: Mulungu Miti)		2° 19' 00" S 28° 48' 00" E	1159 m
Mulungu Kivu		2° 54' 00" S 27° 56' 00" E	1159 m
Mulungu Miti (see Mulungu)		2° 19' 00" S 28° 48' 00" E	1159 m
Mulungu-Tshibinda (see Tshibinda)		2° 19' 12" S 28° 45' 50" E	1918 m
Mulungwishi		10° 46' 58" S 26° 37' 52" E	
Mulungwishi, cave, near Likasi (see also: Grotte de Mulungwishi)		10° 46' 58" S 26° 37' 52" E	1366 m
Mumba		1° 27' 21" S 28° 53' 01" E	1765 m
Mumena, 70 km E Lubumbashi (see also: Lubumbashi, 70 km E, Mumene)		11° 04' 00" S 28° 08' 00" E	1460 m
Mumena, 70 km E Lubumbashi		11° 46' 00" S 26° 31' 00" E	1460 m
Mumene (see Mumena), 40 km E Lubumbashi		11° 04' 00" S 28° 08' 00" E	
Munga		3° 35' 00" S 28° 13' 00" E	
Mungamba		5° 28' 00" S 18° 35' 00" E	586 m
Munoi (see Munoi confluence)		8° 45' 00" S 26° 46' 00" E	
Munoi confluence (see also: Munoi)		8° 45' 00" S 26° 46' 00" E	890 m

Mura pumping station, near Likasi		10° 58' 00" S 26° 32' 00" E	
Muradingusha (see Mwadingusha)		10° 45' 00" S 27° 15' 00" E	1158 m
Murambi, near Rutshuru		1° 08' 00" S 29° 27' 00" E	1275 m
Musanze-Djomba		1° 20' 00" S 29° 34' 00" E	1500 m
Musenge		2° 42' 00" S 27° 02' 00" E	
Musenge		1° 37' 00" S 28° 18' 00" E	
Musenge, 15 mi S Walikale		1° 39' 54" S 28° 07' 14" E	
Musenji (see Musindji)		7° 36' 00" S 24° 33' 00" E	894 m
Museya (see Mosenda)		0° 04' 00" N 29° 22' 00" E	1737 m
Mushie		3° 01' 00" S 16° 54' 00" E	180 m
Musindji		7° 36' 00" S 24° 33' 00" E	894 m
(see also: Musenji, Musingi)			
Musingi (see Musindji), 200 km from Kamina		7° 36' 00" S 24° 33' 00" E	894 m
Musisi swamp area	ca.	2° 00' 00" S 28° 45' 00" E	
Musonge, 69 km E Lubumbashi		11° 28' 00" S 27° 52' 00" E	1183 m
(see also: Lubumbashi, 69 km E)			
Musosa, near		8° 22' 00" S 29° 38' 00" E	
Musugeriza river		1° 09' 00" S 29° 27' 00" E	1150 m
Mutembu Kaniki Kapangu (see Kaniki Kapangu)		6° 45' 00" S 23° 31' 00" E	805 m
Mutsora		0° 19' 00" N 29° 44' 00" E	1200 m
Mutsora Station		0° 19' 00" N 29° 45' 00" E	1394 m
Mututa		11° 21' 00" S 27° 47' 00" E	1229 m
(see also: Mukuta)			
Mutwanga, Ruwenzori W		0° 20' 00" N 29° 45' 00" E	1338 m
(see also: Kya irtumbi)			
Muvo, mount		1° 14' 00" S 29° 18' 00" E	
(see also: Mount Muvo)			
Muvule, cave 4 km from	ca.	9° 11' 00" S 27° 13' 00" E	
Muyirimbo		0° 32' 00" S 29° 17' 00" E	
Mvuazi (see Maunzi)		5° 19' 00" S 15° 07' 00" E	547 m
Mwadingusha, electricity plant		10° 45' 00" S 27° 15' 00" E	1158 m
Mwadingusha		10° 45' 00" S 27° 15' 00" E	1158 m
(see also: Muradingusha)			
Mwana-Kusu		4° 26' 00" S 26° 48' 00" E	612 m
(see also: Mwanakusu)			
Mwanakusu (see Mwana-Kusu)		4° 26' 00" S 26° 48' 00" E	612 m
Mwanakusu cave		4° 35' 00" S 27° 08' 00" E	
(see also: Grotte de Mwanakusu, Mwanakusu grot)			
Mwanakusu grot (see Mwanakusu cave)		4° 35' 00" S 27° 08' 00" E	
Mwanda		2° 13' 00" S 28° 51' 00" E	
Mwanga cave, 15 km S Likasi		10° 58' 00" S 26° 39' 00" E	
(see also: Defrenne cave, Defrenne grot, Grotte de Defrenne, Grotte de Mwanga, Jadotstad, 15 km S, Jadotville, 15 km S, Likasi, 15 km S, Mwanga grot)			
Mwanga grot (see Mwanga cave), 15 km S Likasi		10° 58' 00" S 26° 39' 00" E	
Mwebe bridge, near Kikwit		5° 02' 50" S 18° 50' 15" E	
Mweka		4° 51' 00" S 21° 34' 00" E	466 m
(see also: Mueka, Mweka Kasai)			
Mweka Kasai (see Mweka)		4° 51' 00" S 21° 34' 00" E	466 m
Mweka territory		4° 51' 00" S 21° 34' 00" E	
Mwelampande (see Tenke), 130 km N Likasi		10° 35' 00" S 26° 07' 00" E	1512 m
Mwela-Pande cave (see Tenke), 130 km N Likasi		10° 35' 00" S 26° 07' 00" E	1512 m
Mwenda-Katuka piste, Munscnene section	ca.	0° 24' 43" N 29° 46' 10" E	
Mwenga		3° 02' 19" S 28° 25' 57" E	1643 m
Mwenga territory		3° 02' 00" S 28° 26' 00" E	
Mwenge		3° 42' 00" S 28° 10' 00" E	1100 m
Mwera		11° 19' 00" S 27° 18' 00" E	
Mwiga		0° 40' 00" S 29° 27' 00" E	
Mwiru (see Luiro)		2° 14' 24" S 28° 47' 50" E	5400 ft
Mwittanzige (see Albert, lake), border Congo-Uganda	ca.	1° 40' 00" N 30° 40' 00" E	
Myabikere (see Nyabikere)		1° 10' 00" S 29° 27' 00" E	1160 m
Nadegbe river		4° 29' 22" N 29° 38' 44" E	
Nagbarama		4° 17' 00" N 29° 32' 00" E	
Nagera (see Nagero)		3° 45' 00" N 29° 31' 00" E	753 m
Nagero		3° 45' 00" N 29° 31' 00" E	753 m
(see also: Nagera)			
Naimniam			
Nakiluba (see Inakiluba)		11° 34' 00" S 27° 19' 00" E	1280 m
Nakilubo (see Inakiluba)		11° 34' 00" S 27° 19' 00" E	1280 m
Nakpanga		4° 36' 00" N 29° 34' 00" E	
Nakpanga river		4° 39' 00" N 29° 32' 00" E	
Naleza		15° 27' 00" S 27° 20' 00" E	
Nambiliki / Dungu		3° 40' 00" N 29° 10' 00" E	

Nampume		4° 21' 00" N 29° 49' 00" E	
(see also: Nampune)			
Nampune (see Nampume)		4° 21' 00" N 29° 49' 00" E	
Nasosurro River			
Ndama			
Ndelele		4° 22' 00" N 29° 47' 00" E	900 m
Ndemba		5° 30' 00" S 22° 16' 00" E	
(see also: Mudina, Mudina Ndemba)			
Ndjili		4° 27' 51" S 15° 20' 56" E	327 m
Ndomo		0° 19' 00" N 29° 20' 00" E	
Ndote		0° 11' 00" N 29° 39' 00" E	940 m
Ndotwe		0° 12' 00" S 29° 28' 00" E	
Ndua (see Ndwa)		2° 09' 00" S 16° 25' 00" E	
Ndwa		2° 09' 00" S 16° 25' 00" E	
(see also: Ndua)			
Né, mount, Blukwa		1° 42' 00" N 30° 39' 00" E	
(see also: Mount Ne)			
Nepoko Bomili		1° 40' 00" N 27° 01' 00" E	
Netonna, near Banana and mouth of Congo river		5° 58' 00" S 12° 27' 00" E	
New Beni (see Beni)		0° 30' 00" N 29° 28' 00" E	1238 m
Ngamaye		0° 44' 00" N 29° 38' 00" E	815 m
Nganza		7° 07' 00" S 29° 26' 00" E	
Nganza river, near Luluabourg	ca.	5° 57' 01" S 22° 21' 40" E	
Ngayu [river], near Avakubi		1° 35' 00" N 27° 13' 00" E	
(see also: Gayu [river])			
N'Gayu area	ca.	1° 35' 00" N 27° 13' 00" E	
Ngerere Lepi		0° 39' 00" N 29° 53' 00" E	1200 m
Ngeze Kidoko		1° 16' 00" N 30° 25' 00" E	650 m
Ngioni (see Bunia)		1° 34' 00" N 30° 15' 00" E	1332 m
Ngokai		0° 19' 00" N 29° 45' 00" E	
Ngoma		0° 20' 00" N 28° 44' 00" E	905 m
(see also: N'goma)			
Ngoma (see Goma)		1° 40' 45" S 29° 13' 22" E	1499 m
N'goma (see Ngoma)		0° 20' 00" N 28° 44' 00" E	905 m
Ngombe		6° 35' 00" S 20° 42' 00" E	528 m
(see also: Gombe, N'gombe)			
N'gombe (see Ngombe)		6° 35' 00" S 20° 42' 00" E	528 m
Ngula		4° 45' 00" S 18° 11' 00" E	549 m
Ngwiro		0° 43' 00" S 29° 26' 00" E	
Niabikere (see Nyabikere)		1° 10' 00" S 29° 27' 00" E	1160 m
Niabiondo (see Nyabiondo)		1° 15' 00" S 28° 45' 00" E	1297 m
Niambasha		2° 07' 00" S 28° 54' 00" E	
Niam-Niam		5° 03' 00" N 27° 07' 00" E	
Niangara		3° 42' 00" N 27° 52' 00" E	644 m
Niangara zone	ca.	3° 42' 00" N 27° 52' 00" E	
Niapu		2° 25' 00" N 26° 28' 00" E	619 m
Niarembe		2° 15' 00" N 31° 07' 00" E	1382 m
(see also: Niarombe)			
Niarombe (see Niarembe)		2° 15' 00" N 31° 07' 00" E	1382 m
Nioka		2° 10' 00" N 30° 39' 00" E	1793 m
Nionga, on Lake Upemba		8° 35' 00" S 26° 18' 00" E	
Niragongo volcano (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Nkene		2° 16' 00" S 28° 47' 00" E	
Nkiene		4° 10' 00" S 15° 55' 00" E	
Nord Kivu province			
(see also: North Kivu province)			
Nord Ubangui province			
(see also: North Ubangui province)			
North Kivu province (see Nord Kivu province)			
North Loango			
North Ubangui province (see Nord Ubangui province)			
Nsele (see Kimpoko-Nsele)		4° 14' 04" S 15° 33' 01" E	294 m
Nshamba, near Kanaga, ? Mueka territory		5° 53' 00" S 22° 26' 00" E	
Nsiamfumu		5° 52' 00" S 12° 17' 00" E	2 m
(see also: Vista)			
Nsiana			
N'soro		3° 15' 00" N 29° 25' 00" E	
Ntoto cave		6° 59' 00" S 29° 43' 00" E	827 m
(see also: Grotte de Lukatu, Lukatu cave, Lukatu grot)			
Nyabikere		1° 10' 00" S 29° 27' 00" E	1160 m
(see also: Myabikere, Niabikere)			
Nyabiondo, near Masisi		1° 15' 00" S 28° 45' 00" E	1297 m
(see also: Niabiondo)			
Nyabitembe river		1° 13' 00" S 29° 24' 00" E	1225 m
Nyakaliba			

Nyakariba river, affluent of Fuko river		1° 13' 00" S 29° 24' 00" E	1325 m
Nyambere (see Nyarusambo)		1° 28' 48" S 29° 21' 00" E	
Nyamunyunye		2° 21' 00" S 28° 49' 00" E	
Nyangwe		4° 13' 00" S 26° 11' 00" E	507 m
(see also: Pene Bwebwe)			
Nyankunde		1° 34' 00" N 30° 15' 00" E	
Nyarusambo		1° 28' 48" S 29° 21' 00" E	
(see also: Nyambere)			
Nyiragongo volcano (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Nyirogongo volcano		1° 31' 19" S 29° 14' 58" E	
(see also: Kivu volcano, Niragongo volcano, Nyiragongo volcano, Tshamiagongo volcano, Tshaninagongo, Volcan du Kivu, Volcan Niragong, Volcan Nyiragongo, Volcan Nyirogongo, Volcan Tshamiagongo)			
Nzoro		3° 20' 00" N 29° 30' 00" E	791 m
(see also: Vankerckhovenstad, Vankerckhovenville)			
Nzulu		0° 36' 00" S 29° 05' 00" E	1500 m
(see also: N'Zulu)			
N'Zulu (see Nzulu)		0° 36' 00" S 29° 05' 00" E	1500 m
Obenge		1° 23' 00" S 25° 02' 00" E	
Ogondjo		2° 10' 59" N 30° 55' 59" E	1700 m
Old Kalonge (see Ugongo)		0° 20' 00" N 29° 49' 00" E	2285 m
Old Kasindi (see Kasindi)		0° 02' 10" S 29° 42' 49" E	1049 m
Olongo-Nsongo [river]		1° 39' 00" S 18° 05' 00" E	
(see also: Batoko (river))			
Omaniumdu		3° 21' 00" S 23° 16' 00" E	464 m
Ondo, lake		1° 08' 07" S 29° 19' 21" E	
(see also: Lac Ondo, Lake Ondo)			
Oriental (former) province, see Bas Uele, Haut Uele, Ituri or Tshopa provinces			
Oshwe, Lake Leopold II		3° 24' 00" S 19° 30' 00" E	368 m
Oso River, Muhulu		1° 04' 00" S 27° 25' 00" E	
Pahoni (see Paoni)		1° 58' 30" N 28° 52' 30" E	913 m
Panda (see Pande), near Likasi		10° 37' 00" S 26° 50' 00" E	1140 m
Panda Camp (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Pande, near Likasi		10° 37' 00" S 26° 50' 00" E	1140 m
(see also: Panda)			
Pandé, forest N of	ca.	10° 37' 00" S 26° 50' 00" E	ca. 1100 m
Panga		1° 51' 00" N 26° 25' 00" E	434 m
Pania-Mutombo		5° 11' 00" S 23° 51' 00" E	407 m
Pania-Mutombo (see Pania-Mutombo)		5° 11' 00" S 23° 51' 00" E	407 m
(see also: Pania-Mutombo)			
Paoni, N'Duye		1° 58' 30" N 28° 52' 30" E	913 m
(see also: Pahoni)			
Parc National Albert (see Virunga National Park)		1° 00' 00" S 29° 15' 00" E	
Parc National de Garamba (see Garamba National Park)		4° 10' 00" N 29° 30' 00" E	
Park National de Kundelungo (see Kundelungu National Park)	ca.	10° 30' 00" S 27° 30' 00" E	
Paulis (see Isiro)		2° 46' 00" N 27° 37' 00" E	730 m
Pawa, about 30 mi ENE Medje		2° 31' 36" N 27° 42' 10" E	696 m
(see also: Medje, about 30 mi [=48 km] ENE)			
Pelenge, gorges		8° 40' 12" S 26° 49' 48" E	
Pempere cave, 15 km S Likasi		10° 58' 00" S 26° 47' 00" E	
(see also: Grotte de Pempere, Pimpin cave)			
Pempéré mountains			
Pene Bwebwe (see Nyangwe)		4° 13' 00" S 26° 11' 00" E	507 m
Penge		2° 48' 00" N 27° 55' 00" E	828 m
Petit seminaire de Mugeri (see Mugeri mission)		2° 12' 00" S 28° 42' 00" E	1493 m
PFNK		4° 02' 00" N 29° 05' 00" E	
PFNK 15 and 17		4° 25' 00" N 29° 47' 00" E	
PFNK.15		4° 25' 00" N 29° 47' 00" E	
(see also: Piste Frontière Nord, km 15)			
PFNK.16		4° 25' 00" N 29° 47' 00" E	
(see also: Piste Frontière Nord, km 16)			
PFSK 17 and 20		4° 18' 00" N 29° 55' 00" E	
PFSK 8		4° 20' 00" N 29° 51' 00" E	
PFSK.17		4° 18' 00" N 29° 55' 00" E	
(see also: Piste Frontière Sud, km 17)			
PFSK.20		4° 18' 00" N 29° 55' 00" E	
(see also: Piste Frontière Sud, km 20)			
PFSK.8		4° 20' 00" N 29° 51' 00" E	
(see also: Piste Frontière Sud, km 8)			
Pidigala Nord river		4° 37' 00" N 29° 42' 00" E	
Pidigala river		4° 35' 00" N 29° 32' 00" E	

Pierkat quarry (see Baya quarry)		11° 52' 00" S 27° 27' 00" E	1279 m
Pili Pili (see Pilipili)		0° 33' 00" N 27° 44' 00" E	
Pilipili		0° 33' 00" N 27° 44' 00" E	
(see also: Pili Pili)			
Pimpin cave (see Pempere cave), 15 km S Likasi		10° 58' 00" S 26° 47' 00" E	
Piste Frontière Nord, km 15 (see PFNK.15)		4° 25' 00" N 29° 47' 00" E	
Piste Frontière Nord, km 16 (see PFNK.16)		4° 25' 00" N 29° 47' 00" E	
Piste Frontière Sud, km 17 (see PFSK.17)		4° 18' 00" N 29° 55' 00" E	
Piste Frontière Sud, km 20 (see PFSK.20)		4° 18' 00" N 29° 55' 00" E	
Piste Frontière Sud, km 8 (see PFSK.8)		4° 20' 00" N 29° 51' 00" E	
PNA (see Virunga National Park)		1° 00' 00" S 29° 15' 00" E	
Poko, on Bomokandi river		3° 09' 00" N 26° 53' 00" E	641 m
Poko territory	ca.	3° 09' 00" N 26° 53' 00" E	
(see also: Poko zone)			
Poko zone (see Poko territory)	ca.	3° 09' 00" N 26° 53' 00" E	
Popokabaka, via Inkisi		5° 42' 00" S 16° 35' 00" E	485 m
Popokabaka territory		5° 42' 00" S 16° 35' 00" E	
Port Chaltin (see Aketi)		2° 50' 00" N 23° 56' 00" E	ca. 500 m
Port de Kindu (see Kindu)		2° 57' 00" S 25° 57' 00" E	504 m
Port-Empain (see Kindu)		2° 57' 00" S 25° 57' 00" E	504 m
PPK 51 and 56		4° 06' 00" N 29° 25' 00" E	
PPK 72		4° 14' 00" N 29° 31' 00" E	
PPK.10		3° 46' 00" N 29° 29' 00" E	
PPK.51		4° 06' 00" N 29° 25' 00" E	
PPK.78		4° 19' 00" N 29° 35' 00" E	
Putnam, camp (see Camp Putnam)		1° 24' 00" N 28° 35' 00" E	675 m
Pweto		8° 28' 00" S 28° 54' 00" E	951 m
Pweto territory		8° 28' 00" S 28° 54' 00" E	
Quatorze, 14 km N Boende, by road		0° 10' 04" N 20° 55' 34" E	326 m
(see also: Boende, 14 km N by road)			
Ramangabo (see Rumangabo)		1° 21' 28" S 29° 22' 09" E	1587 m
Rambira		2° 03' 00" S 28° 54' 00" E	
Rambura		1° 40' 00" S 29° 35' 00" E	
Rethy		2° 05' 11" N 30° 53' 46" E	2116 m
(see also: Reti, Retshi, Retsi, Rety)			
Reti (see Rethy)		2° 05' 11" N 30° 53' 46" E	2116 m
Retshi (see Rethy)		2° 05' 11" N 30° 53' 46" E	2116 m
Retsi (see Rethy)		2° 05' 11" N 30° 53' 46" E	2116 m
Rety (see Rethy)		2° 05' 11" N 30° 53' 46" E	2116 m
Ribue Lya Mikako cave (see Kibwe Lya Mikako cave)		0° 14' 42" S 29° 01' 00" E	1500 m
Risimu zone	ca.	1° 00' 00" N 26° 45' 00" E	
Rodahira river, near Rutshuru		1° 13' 00" S 29° 26' 00" E	1200 m
Ruango		4° 45' 00" S 13° 36' 00" E	
Ruanoli-Mavea confluence		0° 40' 00" N 29° 43' 00" E	800 m
Rubi-Tele		2° 18' 31" N 24° 59' 21" E	
Ruchuru (see Rutshuru)		1° 11' 03" S 29° 26' 56" E	1203 m
Rugari		1° 24' 47" S 29° 22' 23" E	2089 m
(see also: Lulenga)			
Ruindi (see Rwindi)		0° 47' 05" S 29° 17' 26" E	1027 m
Rumangabo		1° 21' 28" S 29° 22' 09" E	1587 m
(see also: Ramangabo, Rumengabo)			
Rumanura river		1° 10' 00" S 29° 28' 00" E	1200 m
Rumengabo (see Rumangabo)		1° 21' 28" S 29° 22' 09" E	1587 m
Rumoka		1° 34' 00" N 29° 07' 00" E	
Rungu		3° 11' 00" N 27° 52' 00" E	704 m
Rungu zone	ca.	3° 11' 00" N 27° 52' 00" E	
Rusenyi river		1° 12' 00" S 29° 35' 00" E	1300 m
Rutanzige, lake (see Edward, lake)	ca.	0° 08' 00" S 29° 35' 00" E	
Rutshuru		1° 11' 03" S 29° 26' 56" E	1219 m
(see also: Ruchuru)			
Rutshuru territory	ca.	1° 11' 00" N 29° 27' 00" E	
(see also: Rutshuru zone)			
Rutshuru zone (see Rutshuru territory)		1° 11' 00" N 29° 27' 00" E	4400 ft
Rutu [river] (see Utu [river])		1° 24' 00" S 27° 49' 00" E	
Ruvara			
Ruwenzori		0° 25' 00" N 29° 50' 00" E	
Ruwenzori SE	ca.	0° 30' 00" N 29° 50' 00" E	7500 ft
Ruwenzori, foothills		0° 23' 00" N 29° 54' 00" E	
Ruwenzori, S side	ca.	0° 25' 00" N 29° 50' 00" E	
Rwere Rwindi		0° 47' 00" S 29° 18' 00" E	
Rwindi		0° 47' 05" S 29° 17' 26" E	1027 m
(see also: Ruindi)			
Sabe		1° 23' 00" N 30° 26' 00" E	700 m
Sacred Heart mission, near Kikwit		5° 01' 43" S 18° 50' 47" E	
(see also: Mission Sacre Coeur)			

Saga Saga cave		1° 19' 00" N 29° 52' 00" E	1160 m
(see also: Grotte de Saga Saga, Saga Saga grot)			
Saga Saga grot (see Saga Saga cave)		1° 19' 00" N 29° 52' 00" E	1160 m
Saint Joseph de Luluabourg (mission) (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
Sainte Elisabeth		1° 33' 00" N 25° 20' 00" E	432 m
Saint-Joseph (misson) (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
Sakania		12° 45' 00" S 28° 34' 00" E	1278 m
(see also: Sakania mission)			
Sakania mission (see Sakania)		12° 45' 00" S 28° 34' 00" E	1278 m
Sakania territory		12° 45' 00" S 28° 34' 00" E	
Saliboko, on lake Albert		1° 42' 00" N 30° 29' 00" E	1874 m
Salomoni Cave		10° 58' 48" S 27° 16' 48" E	
Samba		4° 38' 00" S 26° 22' 00" E	610 m
Samboko river		1° 00' 00" N 29° 22' 00" E	850 m
Sange		3° 05' 34" S 29° 14' 47" E	
Sankuru province	ca.	4° 58' 00" S 23° 27' 00" E	
Sciere Forest		3° 10' 00" S 25° 49' 00" E	
Scierie Forest, 30 km SW Kindu		3° 10' 00" S 25° 49' 00" E	
(see also: Kindu, 30 km SW)			
Semliki river		0° 45' 00" N 29° 50' 00" E	
Semmio (see Zemio), Niam-Niam		5° 03' 00" N 27° 07' 00" E	
Semnio (see Zemio)		5° 03' 00" N 27° 07' 00" E	
Senga, 15 mi [=24 km] S Walikale		1° 39' 54" S 28° 07' 14" E	950 m
Shaba, Lubumbashi			
Shaba (former) province (see Katanga (former) province), see Tanganika, Haut Katanga, Kolwezi, Haut Lomani or Lualaba provinces			
Shabunda		2° 42' 00" S 27° 20' 00" E	596 m
Shabunda territory		2° 42' 00" S 27° 20' 00" E	
Shainkolobwe (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Shibambo		10° 18' 00" S 28° 37' 00" E	928 m
(see also: Chibambo, Shibombo, Tshibambo)			
Shibombo (see Shibambo)		10° 18' 00" S 28° 37' 00" E	928 m
Shindaika		11° 39' 00" S 27° 41' 00" E	
Shinkolobwe, road to Kasenga		11° 02' 00" S 26° 29' 00" E	1334 m
(see also: Chinkolobwe, Dethioux Farm, cave I, Dethioux Farm, cave II, Dethioux Farm, Tantara cave, Dethioux hoeve, grot I, Dethioux hoeve, grot II, Dethioux hoeve, Tantara grot, Grotte de Tantara, ferme Dethioux, Grotte I, ferme Dethioux, Grotte II, ferme Dethioux, Shainkolobwe, Tantara cave, Trou aux Serpents)			
Sinda river		1° 02' 00" N 30° 04' 00" E	830 m
Singitini (see Kisangani)		0° 31' 00" N 25° 12' 00" E	447 m
Sombe, 14 km upstream of Kiabo		8° 50' 00" S 26° 02' 00" E	
(see also: Kiabo, 14 km upstream)			
Soudan river		4° 35' 00" N 29° 35' 00" E	
South Kivu province (see Sud Kivu province)			
South Ubangui province (see Sud Ubangui province)			
St Gerard mission (see Kapolowe)		11° 02' 00" S 26° 57' 00" E	1135 m
St Joseph mission (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
St Therese mission (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
St. Jos. (misson) (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
St. Joseph de Luluabourg mission (see Mikalaya)		6° 01' 00" S 22° 19' 00" E	608 m
St. Theresa mission (see Likasi)		10° 58' 53" S 26° 44' 00" E	1318 m
Stanleystad (see Kisangani)		0° 31' 00" N 25° 12' 00" E	447 m
Stanleyville (see Kisangani)		0° 31' 00" N 25° 12' 00" E	447 m
Sturi Forest (see Ituri Forest)		1° 00' 00" N 29° 16' 00" E	
Sud Kivu province			
(see also: South Kivu province)			
Sud Ubangui province			
(see also: South Ubangui province)			
Sukisa		2° 19' 05" N 24° 59' 17" E	470 m
Swanepoel I cave, near Kambove		10° 50' 00" S 26° 39' 00" E	ca. 1350 m
(see also: Grotte Swanepoel I, Swanepoel I grot)			
Swanepoel I grot (see Swanepoel I cave), near Kambove		10° 50' 00" S 26° 39' 00" E	ca. 1350 m
Swanepoel II abyss, near Kambove		10° 51' 00" S 26° 42' 00" E	ca. 1350 m
Taere river		4° 33' 00" N 29° 47' 00" E	
(see also: Tayele (river))			
Talama, 4 km SW (see Kabobo forest)		4° 59' 29" S 29° 04' 49" E	
Talatala		1° 15' 00" N 29° 50' 00" E	1170 m
Tamba Tamba cave b 12		5° 43' 00" S 14° 27' 00" E	
(see also: Tamba Tamba grot b 12)			
Tamba Tamba grot b 12 (see Tamba Tamba cave b 12)		5° 43' 00" S 14° 27' 00" E	
Tandala		2° 58' 00" N 19° 21' 00" E	456 m
Tanganika province (see Tanganyika province)			

Tanganyika meer, NW oever (see Lake Tanganyika, NW bank)	ca.	3° 20' 00" S 29° 12' 00" E	
Tanganyika province (see also: Tanganika province)			
Tanganyika, Congo shore of lake	ca.	6° 00' 00" S 29° 11' 00" E	
Tanganyika, lake, NW bank (see Lake Tanganyika, NW bank)	ca.	3° 20' 00" S 29° 12' 00" E	
Tantara cave (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
TASOK (The American School of Kinshasa) (see Kinshasa, 10 km W)	ca.	4° 20' 00" S 15° 15' 00" E	
Tayele (river) (see Taere river)		4° 33' 00" N 29° 47' 00" E	
Tembwe		6° 30' 00" S 29° 22' 00" E	1055 m
Temvo		5° 30' 00" S 13° 01' 00" E	238 m
Tenke, 130 km N Likasi (see also: Likasi, 130 km N, Mwelampande, Mwela-Pande cave)		10° 35' 00" S 26° 07' 00" E	1512 m
Teturi		1° 04' 00" N 29° 08' 00" E	766 m
Thysstad (see Mbanza-Ngungu)		5° 15' 00" S 14° 52' 00" E	604 m
Thysville (see Mbanza-Ngungu)		5° 15' 00" S 14° 52' 00" E	604 m
Thysville, cave (see Banjan caves)		5° 16' 00" S 14° 53' 00" E	
Thysville, cave b 12 a		5° 16' 00" S 14° 52' 00" E	
Thysville, cave b 13 a (see Banjan caves)		5° 16' 00" S 14° 53' 00" E	
Tingasi		3° 24' 00" N 27° 55' 00" E	
Tondu		0° 53' 00" S 18° 09' 00" E	
Tongoni (see Kasongo)		4° 27' 00" S 26° 40' 00" E	625 m
Topetope		2° 16' 00" S 28° 03' 00" E	1390 m
Tore (see also: Tori)		4° 20' 00" N 29° 50' 00" E	
Tori (see Tore)		4° 20' 00" N 29° 50' 00" E	
Trappist mission, near Kikwit		5° 02' 16" S 18° 51' 12" E	
Trou aux Serpents (see Shinkolobwe)		11° 02' 00" S 26° 29' 00" E	1334 m
Tschakala (see Tshakala), 45 km E Kisangani		0° 27' 27" N 25° 32' 05" E	453 m
Tschambutscha (see Tshambutschu), 10 km from Irangi	ca.	1° 58' 00" S 28° 30' 00" E	
Tschinputu (see Cinputu)		5° 22' 00" S 22° 21' 00" E	
Tschuapa (see Tshuapa)		0° 14' 00" S 20° 42' 00" E	
Tsebahu (see also: Tshebahu)		1° 13' 00" N 29° 49' 00" E	
Tshakala, 45 km E Kisangani (see also: Kisangani, 45 km E, Tschakala)		0° 27' 27" N 25° 32' 05" E	453 m
Tshamalenge cave (see also: Grotte de Tshamalenge)		11° 46' 00" S 26° 30' 00" E	
Tshambi		0° 44' 00" S 29° 14' 00" E	1050 m
Tshambutschu, 10 km from Irangi (see also: Irangi, 10 km from, Tschambutscha)	ca.	1° 58' 00" S 28° 30' 00" E	
Tshamiagongo volcano (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Tshaninagongo (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Tshapona (see Tshiapona)		7° 11' 00" S 24° 19' 00" E	826 m
Tshebahu (see Tsebahu)		1° 13' 00" N 29° 49' 00" E	
Tshebahu river, near Mount Hoyo		1° 19' 00" N 29° 52' 00" E	1200 m
Tshiabirimu, mount, Kalibina, Ngwangwa forest (see also: Mount Tshiaberimu, Mount Tshiabirimu)	ca.	0° 05' 00" S 29° 26' 00" E	
Tshiapona (see also: Tshapona)		7° 11' 00" S 24° 19' 00" E	826 m
Tshibaka (see Tshibaka-Kaji)		7° 43' 00" S 23° 12' 00" E	882 m
Tshibaka-Kaji (see also: Tshibaka)		7° 43' 00" S 23° 12' 00" E	882 m
Tshibambo (see Shibambo)		10° 18' 00" S 28° 37' 00" E	928 m
Tshibasha, near Kananga		5° 50' 00" S 22° 25' 00" E	
Tshibashi (river) (see also: Tshibashie (river))		5° 45' 00" S 22° 08' 00" E	
Tshibashie (river) (see Tshibashi (river))		5° 45' 00" S 22° 08' 00" E	
Tshibati		2° 14' 00" S 28° 47' 00" E	
Tshibinda (see also: Mulungu-Tshibinda)		2° 19' 12" S 28° 45' 50" E	1918 m
Tshibungu		5° 37' 34" S 22° 15' 57" E	608 m
Tshikapa (see also: Chikapa)		6° 25' 00" S 20° 48' 00" E	485 m
Tshikapa territory		6° 25' 00" S 20° 48' 00" E	
Tshilinge (former) district (see Kasai Oriental province)			
Tshimputu		5° 48' 00" S 22° 19' 00" E	
Tshisangwe		11° 28' 00" S 27° 39' 00" E	
Tshopo		0° 28' 00" N 25° 33' 00" E	
Tshopo falls (see also: Tshoppo falls)		0° 33' 00" N 25° 11' 00" E	
Tshopo province			

Tshoppo falls (see Tshopo falls)		0° 33' 00" N 25° 11' 00" E	
Tshuapa		0° 14' 00" S 20° 42' 00" E	
(see also: Tschuapa)			
Tshuapa district		0° 13' 00" S 20° 52' 00" E	
Tshuapa province			
Tshuapa river, upper		1° 00' 00" S 23° 20' 00" E	
(see also: Haut Tshuapa, Tshuapa, bovenloop)			
Tshuapa, bovenloop (see Tshuapa river, upper)		1° 00' 00" S 23° 02' 00" E	
Tumba, lac (see Tumba, lake)	ca.	0° 48' 00" S 18° 03' 00" E	
Tumba, lake	ca.	0° 48' 00" S 18° 03' 00" E	
(see also: Lac Tumba, Lake Tumba, Tumba, lac, Tumbe meer)			
Tumbe meer (see Tumba, lake)	ca.	0° 48' 00" S 18° 03' 00" E	
Tumbwe	ca.	1° 00' 00" S 29° 15' 00" E	
Tungudu		0° 45' 00" N 29° 40' 00" E	840 m
Uduku		4° 32' 00" N 29° 33' 00" E	950 m
(see also: Uduku Moke)			
Uduku Moke (see Uduku)		4° 32' 00" N 29° 33' 00" E	950 m
Uele [river]	ca.	3° 41' 00" N 26° 03' 00" E	
(see also: Welle [river])			
Ugongo		0° 20' 00" N 29° 49' 00" E	2285 m
(see also: Old Kalonge)			
Ukaika		0° 45' 00" N 28° 45' 00" E	900 m
Uma		0° 32' 21" N 25° 54' 05" E	508 m
Umangi [mission]		2° 07' 00" S 21° 24' 00" E	
Université de Kisangani, Faculté des Sciences (see Kisangani)		0° 31' 00" N 25° 12' 00" E	447 m
Upemba National Park		9° 00' 00" S 26° 45' 00" E	
Upper Congo			
Upper Katanga province (see Haut Katanga province)			
Upper Lomani province (see Haut Lomami province)			
Upper Uele province (see Haut Uele province)			
Usambiers			
Utu [river]		1° 24' 00" S 27° 49' 00" E	
(see also: Rutu [river])			
Utukuru		4° 18' 00" N 29° 56' 00" E	
Uvinza (see Uvira)		3° 24' 24" S 29° 08' 45" E	746 m
Uvira		3° 24' 24" S 29° 08' 45" E	746 m
(see also: Uvinza)			
Uvira territory		3° 24' 00" S 29° 08' 00" E	
Vaku		5° 15' 00" S 13° 10' 00" E	351 m
Vankerckhovenstad (see Nzoro)		3° 20' 00" N 29° 30' 00" E	791 m
Vankerckhovenville (see Nzoro)		3° 20' 00" N 29° 30' 00" E	791 m
Vieux Beni		0° 26' 00" N 29° 33' 00" E	585 m
(see also: Ancien Beni, Fort Beni)			
Vinamont Farm, near Elisabethville		11° 41' 00" S 27° 29' 00" E	
Virunga National Park		1° 00' 00" S 29° 15' 00" E	
(see also: Albert National Park, Parc National Albert, PNA)			
Vista (see Nsiamfumu)		5° 52' 00" S 12° 17' 00" E	2 m
Vitshumbi		0° 40' 56" S 29° 23' 12" E	907 m
(see also: Bitshumbi)			
Volcan du Kivu (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Volcan Niragong (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Volcan Nyiragongo (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Volcan Nyirogongo (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Volcan Tshamiagongo (see Nyirogongo volcano)		1° 31' 19" S 29° 14' 58" E	
Vumbi		8° 38' 00" S 25° 58' 00" E	932 m
Wafania		1° 21' 00" S 20° 20' 00" E	396 m
(see also: Wafanya)			
Wafanya (see Wafania)		1° 21' 00" S 20° 20' 00" E	396 m
Wagenia, near Kisangani		0° 23' 12" N 25° 12' 25" E	508 m
Wago, mount, 10 km E Blukwa		1° 45' 00" N 30° 40' 00" E	2240 m
(see also: Blukwa, 10 km E, Mount Wago, Wasa Wago, mount)			
Walikale		1° 24' 56" S 28° 03' 26" E	703 m
Walikale, 15 mi [=24 km] S		1° 39' 54" S 28° 07' 14" E	
Wamba territory			
Wangata (see Bandaka)		0° 04' 00" N 18° 16' 00" E	306 m
Wasa (see Wasa Wago forest)		1° 44' 00" N 30° 39' 00" E	1386 m
Wasa Wago forest, between Blukwa and Lake Albert		1° 44' 00" N 30° 39' 00" E	1386 m
(see also: Wasa)			
Wasa Wago, mount (see Wago, mount)		1° 45' 00" N 30° 40' 00" E	2240 m
Washiha Forest, 6 km N Bugarula	ca.	2° 00' 00" S 29° 04' 00" E	1500 m
(see also: Bugarula, 6 km N)			
Wasseige boerderij (see Wasseige farm)		11° 49' 45" S 27° 20' 00" E	

Wasseige farm, near Elisabethville		11° 49' 45" S 27° 20' 00" E	
(see also: Ferme Wasseige, Kipushi, 15 km from, Wasseige boerderij)			
Weko Forest, NNE Yangambi		1° 00' 00" N 24° 33' 00" E	
Welle [river] (see Uele [river])		4° 07' 11" N 22° 26' 08" E	
West Kasai (former) province (see Kasai Occidental (former) province), see Kasai or Lulua provinces			
Wilibadi river		3° 55' 00" N 29° 08' 00" E	
Yaekela		0° 48' 12" N 24° 17' 39" E	508 m
Yaengo		0° 20' 56" N 24° 28' 55" E	400 m
Yakubuku (see Yakuluku)		4° 20' 00" N 28° 48' 00" E	697 m
Yakuluku		4° 20' 00" N 28° 48' 00" E	697 m
(see also: Yakubuku)			
Yalokele		0° 39' 44" S 22° 47' 53" E	443 m
Yalosemba		2° 35' 00" N 21° 47' 00" E	422 m
(see also: Yalosembe, Yalosombo)			
Yalosembe (see Yalosemba)		2° 35' 00" N 21° 47' 00" E	422 m
Yalosombo (see Yalosemba)		2° 35' 00" N 21° 47' 00" E	422 m
Yalusaka		1° 05' 00" S 22° 58' 00" E	420 m
Yamazo Yamono		2° 34' 30" N 21° 47' 07" E	
Yambasa (see Yambata)		2° 26' 00" N 21° 58' 00" E	414 m
Yambata		2° 26' 00" N 21° 58' 00" E	414 m
(see also: Yambasa)			
Yambombo		2° 34' 30" N 21° 47' 07" E	
Yangambi		0° 47' 00" N 24° 28' 00" E	437 m
Yangambi division forest		0° 47' 00" N 24° 24' 00" E	
Yaosuka		0° 45' 00" N 24° 29' 00" E	
Yatolema		0° 21' 22" N 24° 31' 09" E	508 m
Yayama		1° 16' 00" S 23° 07' 00" E	456 m
Yema (see Yema Mayombe)		5° 45' 00" S 12° 17' 00" E	18 m
Yema Mayombe		5° 45' 00" S 12° 17' 00" E	18 m
(see also: Yema)			
Yokamba Elongo		0° 01' 00" N 22° 17' 00" E	429 m
Yoko		0° 17' 00" N 25° 17' 00" E	
Yolohotiri cave		1° 13' 00" N 29° 49' 00" E	
(see also: Grotte de Yolohotiri, Yolohotiri grot)			
Yolohotiri grot (see Yolohotiri cave)		1° 13' 00" N 29° 49' 00" E	
Yolokafiri, near Mount Hoyo		1° 20' 00" N 29° 50' 00" E	1030 m
(see also: Jolohafiri)			
Zambi		5° 51' 00" S 12° 52' 00" E	
Zega (see Zeya)		1° 45' 00" N 30° 44' 00" E	650 m
Zemio		5° 03' 00" N 27° 07' 00" E	
(see also: Semmio, Semnio)			
Zeya		1° 45' 00" N 30° 44' 00" E	650 m
(see also: Zega)			
Zobia		2° 58' 00" N 25° 56' 00" E	609 m
Zongo		4° 20' 00" N 18° 35' 00" E	
Zookis (see Kisangani)		0° 31' 00" N 25° 12' 00" E	447 m

Côte d'Ivoire:

"piste de Lamtu"			
18 Montagnes (former) region (see Dix-Huit Monagnes (former) region)			
Abengourou		6° 43' 47" N 3° 29' 47" W	204 m
Abengourou department	ca.	6° 35' 00" N 3° 25' 00" W	
Abenguru (see Abenguru)		6° 43' 47" N 3° 29' 47" W	204 m
(see also: Abenguru)			
Abidan (see Abidjan)		5° 20' 28" N 4° 01' 41" W	74 m
Abidjan		5° 20' 28" N 4° 01' 41" W	74 m
(see also: Abidan)			
Abidjan department			
Abidjan district			
Abidjan Plateau			
Abidjan region			
Abidjan, 15 km NW	ca.	5° 21' 00" N 4° 05' 00" W	
Abidjan, 17 km W	ca.	5° 21' 00" N 4° 05' 00" W	
Adiapo-Doumé, near Abidjan		5° 20' 12" N 4° 07' 57" W	73 m
(see also: Adiopo Doumé, Adiopodoume, Adiopodoumé)			
Adiopo Doumé (see Adiapo-Doumé), near Abidjan		5° 20' 12" N 4° 07' 57" W	73 m
Adiopodoume (see Adiapo-Doumé)		5° 20' 12" N 4° 07' 57" W	73 m
Adiopodoumé (see Adiapo-Doumé), near Abidjan		5° 20' 12" N 4° 07' 57" W	73 m
Adzopé		6° 06' 25" N 3° 51' 43" W	137 m
(see also: Adzope)			

Adzope (see Adzopé)		6° 06' 25" N 3° 51' 43" W	137 m
Adzopé department			
Agnéby-Tiassa region			
Ahiérémou		6° 14' 00" N 4° 56' 00" W	73 m
Anda		5° 10' 00" N 4° 39' 00" W	
Appoube, near Appouesso, ca. 6 km E F.C. Bossematie (see also: Bossematié, ca. 6 km E)		6° 33' 00" N 3° 26' 00" W	
Asakra (see Assakra), 15 km E Lomo (see also: El-Tûr)		6° 24' 00" N 4° 54' 00" W	193 m
Assakra, 15 km E Lomo (see also: Asakra, Lomo, 15 km E)		6° 24' 00" N 4° 54' 00" W	193 m
Assine (see Assinie-Mafia)		5° 07' 29" N 3° 16' 30" W	
Assini (see Assinie-Mafia)		5° 07' 29" N 3° 16' 30" W	
Assinie (see Assinie-Mafia)		5° 07' 29" N 3° 16' 30" W	
Assinie-Mafia (see also: Assine, Assini, Assinie, Mafia)		5° 07' 29" N 3° 16' 30" W	
Azagny National Park (see also: Parc National d'Azagny)		6° 13' 07" N 5° 15' 32" W	125 m
Azaguié Makouguié (see also: Macouguié, Makonguine)		5° 37' 00" N 4° 10' 00" W	160 m
Bafing region			
Bagoué region			
Banama Blanc, near Tiebila		9° 45' 00" N 5° 50' 00" W	
Banco Forest (see Banco, forêt de)		5° 25' 00" N 4° 03' 00" W	
Banco, forêt de (see also: Banco Forest)		5° 25' 00" N 4° 03' 00" W	
Bas-Sassandra (former) region			
Bas-Sassandra district			
Bélier region			
Béré region			
Bingerville		5° 21' 21" N 3° 53' 24" W	74 m
Blékoum		6° 22' 30" N 3° 32' 32" W	94 m
Blodi (see also: Blody)		6° 47' 02" N 7° 17' 37" W	282 m
Blody (see Blodi)		6° 47' 02" N 7° 17' 37" W	282 m
Bolo (see Booro)		8° 29' 00" N 7° 34' 00" W	456 m
Booro (see also: Bolo)		8° 29' 00" N 7° 34' 00" W	
Bossematié, ca. 6 km E (see Appoube, near Appouesso)		6° 33' 00" N 3° 26' 00" W	
Bouaké (see also: Bwake)		7° 41' 00" N 5° 01' 59" W	312 m
Bouaké department			
Bouaké, 25 km N		7° 55' 00" N 5° 00' 00" W	
Boudougou (see Divo)		5° 50' 15" N 5° 21' 26" W	148 m
Bouna (see also: Buna)		9° 16' 00" N 3° 00' 00" W	321 m
Bouna department			
Boundiali (see also: Boundiouli)		9° 31' 18" N 6° 29' 13" W	444 m
Boundiali department			
Boundiali, 2 km S	ca.	9° 31' 18" N 6° 29' 13" W	
Boundiouli (see Boundiali)		9° 31' 18" N 6° 29' 13" W	444 m
Bounkani region			
Bouyo (see Buyo)		6° 16' 00" N 7° 03' 00" W	158 m
Buna (see Bouna)		9° 16' 00" N 3° 00' 00" W	321 m
Buyo (see also: Bouyo)		6° 16' 00" N 7° 03' 00" W	158 m
Buyo, 15 km from	ca.	6° 16' 00" N 7° 03' 00" W	
Bwake (see Bouaké)		7° 41' 00" N 5° 01' 59" W	312 m
Cavally region			
Comoé district			
Comoé National Park (see also: Forêt Classée et Réserve totale de la faune de Bouna, Komoe National Park, Parc National de Bouna, Parc National de la Comoé, Parc National de la Komoé, Parc National du Komoé, Reserve totale de faune de Bouna)		8° 49' 21" N 3° 35' 26" W	
Cosrou (see also: Cosru, Kosrou)		5° 19' 16" N 4° 39' 41" W	72 m
Cosru (see Cosrou)		5° 19' 16" N 4° 39' 41" W	72 m
Côte d'Ivoire (see also: Ivory Coast)			
Dabakala (see also: Dabakla)		8° 22' 00" N 4° 26' 00" W	249 m
Dabakla (see Dabakala)		8° 22' 00" N 4° 26' 00" W	249 m
Danane department			

Denguélé (former) region			
Denguélé district			
Déoulé		7° 30' 23" N 7° 30' 19" W	640 m
Divo		5° 50' 15" N 5° 21' 26" W	148 m
(see also: Boudougou)			
Divo department			
Dix-Huit Monagnes (former) region			
(see also: 18 Montagnes (former) region)			
Doropo		9° 49' 00" N 3° 20' 00" W	287 m
Douna		8° 05' 33" N 6° 32' 35" W	302 m
Duékoué		6° 44' 17" N 7° 20' 35" W	271 m
(see also: Duekoue)			
Duekoue (see Duékoué)		6° 44' 17" N 7° 20' 35" W	271 m
Ehania		5° 14' 00" N 2° 46' 00" W	70 m
(see also: Ehanina)			
Ehanina (see Ehania)		5° 14' 00" N 2° 46' 00" W	70 m
Fétékro		7° 48' 35" N 4° 41' 22" W	157 m
(see also: Fetekro, Féttékro)			
Fetekro (see Fétékro)		7° 49' 00" N 4° 41' 00" W	
Féttékro (see Fétékro)		7° 48' 35" N 4° 41' 22" W	157 m
Flampleu		7° 16' 33" N 8° 02' 43" W	373 m
Folon region			
Forêt Classée et Réserve totale de la faune de Bouna		8° 49' 21" N 3° 35' 26" W	
(see Comoé National Park)			
Foro Foro		7° 59' 18" N 5° 03' 54" W	275 m
Fromager (former) region			
Gbeke region			
Gbôkle region			
Gboyo village, near Azagny National Park		5° 14' 00" N 4° 47' 00" W	
Gôh region			
Gôh-Djiboua district			
Gontougo region			
Gopoupleu		7° 26' 05" N 8° 17' 07" W	358 m
Grands Ponts region			
Guéboua		5° 59' 02" N 5° 41' 21" W	227 m
Guémon region			
Guidéko, Middle Sassandra River basin	ca.	5° 55' 00" N 6° 40' 00" W	
Guiglo department			
Half Jack (see Jacqueville)		5° 12' 02" N 4° 24' 44" W	81 m
Hambol region			
Haut-Sassandra region			
I.D.E.R.T.		5° 20' 00" N 4° 07' 00" W	
Iffou region			
Indénié-Djuablin region			
Jackeville-Bingerville (see Jacqueville-Bingerville, between)	ca.	5° 16' 00" N 4° 12' 00" W	
Jackville (see Jacqueville)		5° 12' 02" N 4° 24' 44" W	81 m
Jacqueville		5° 12' 02" N 4° 24' 44" W	81 m
(see also: Half Jack, Jackville)			
Jacqueville department			
Jacqueville-Bingerville, between	ca.	5° 16' 00" N 4° 12' 00" W	
(see also: Jackeville-Bingerville)			
Japo Sud (see Yapo Kra)		5° 49' 00" N 4° 08' 00" W	74 m
Kabadougou region			
Kadioa (see Kadyoha)		8° 58' 00" N 5° 53' 00" W	429 m
Kadioa, near, on Bou river	ca.	8° 58' 00" N 5° 53' 00" W	
Kadioha (see Kadyoha)		8° 58' 00" N 5° 53' 00" W	429 m
Kadyoha		8° 58' 00" N 5° 53' 00" W	429 m
(see also: Kadioa, Kadioha)			
Kahen (see Kahin)		6° 54' 50" N 7° 37' 39" W	250 m
Kahin		6° 54' 50" N 7° 37' 39" W	250 m
(see also: Kahen)			
Kanan-Koffi-Kro (see Konankoffikro)		6° 58' 00" N 5° 14' 00" W	217 m
Katiola department			
Kienko (see Tyenko)		8° 14' 00" N 7° 34' 00" W	451 m
Komoe National Park (see Comoé National Park)		8° 49' 21" N 3° 35' 26" W	
Konankoffikro		6° 58' 00" N 5° 14' 00" W	217 m
(see also: Kanan-Koffi-Kro)			
Konankoffikro (see Konankofikro)		6° 58' 16" N 5° 14' 41" W	217 m
Konankofikro		6° 58' 16" N 5° 14' 41" W	217 m
(see also: Konankoffikro)			
Kong		9° 09' 00" N 4° 37' 00" W	308 m
Korhogo		9° 27' 00" N 5° 38' 00" W	426 m
Korhogo department	ca.	9° 27' 00" N 5° 37' 00" W	ca. 400 m
Korhogo, 180 km E		9° 27' 00" N 3° 59' 00" W	
Kosrou (see Cosrou)		5° 19' 16" N 4° 39' 41" W	72 m

Kpakobo (see Pacobo)		6° 10' 03" N 4° 56' 14" W	75 m
La Mé (Massan) region			
Lac Lallie (see Lallie, Lake)		5° 20' 00" N 4° 00' 00" W	
Lacs (former) region			
Lacs district			
Lagunes (former) region			
Lagunes district			
Lake Lallie (see Lallie, Lake)		5° 20' 00" N 4° 00' 00" W	
Lakota, 15 km N		5° 50' 00" N 5° 40' 00" W	
Lallie, Lake		5° 20' 00" N 4° 00' 00" W	
(see also: Lac Lallie, Lake Lallie)			
Lamto		6° 12' 00" N 5° 02' 00" W	
Lamto Ecology Station, on Bandama River		6° 13' 00" N 5° 02' 00" W	
Lamto Reserve		6° 13' 00" N 5° 02' 00" W	
Lamto, 3 km from	ca.	6° 13' 00" N 5° 02' 00" W	
Lôh-Djiboua region			
Lomo, 15 km E (see Assakra)		6° 24' 00" N 4° 54' 00" W	193 m
l'Orumbo, near Lamto		6° 12' 00" N 4° 58' 00" W	
Macouguié (see Azaguié Makouguié)		5° 37' 00" N 4° 10' 00" W	160 m
Madinani mountains, E of	ca.	9° 37' 00" N 6° 57' 00" W	
(see also: Mandinani mountains, E of)			
Mafia (see Assinie-Mafia)		5° 07' 29" N 3° 16' 30" W	
Makonguine (see Azaguié Makouguié)		5° 37' 00" N 4° 10' 00" W	160 m
Man department			
Mandinani mountains, E of (see Madinani mountains, E of)	ca.	9° 37' 00" N 6° 57' 00" W	
Marahoué region			
Matongouiné (see Matonguiné)		7° 17' 20" N 8° 02' 17" W	356 m
Matonguiné		7° 17' 20" N 8° 02' 17" W	356 m
(see also: Matongouiné)			
Mont Nimba (see Nimba, Mount)	ca.	7° 35' 00" N 8° 25' 00" W	
Montagnes			
Moronou region			
Mount Nimba		7° 36' 00" N 8° 25' 00" W	
Mount Nimba (see Nimba, Mount)	ca.	7° 35' 00" N 8° 25' 00" W	
Mount Peko National Park (see Parc National de Mont Peko)		6° 56' 00" N 7° 10' 00" W	
Moyen-Cavally (former) region			
Moyen-Comoé (former) region			
Nawa region			
Niakarama Kaha (see Niakaramandougou)		8° 40' 00" N 5° 17' 00" W	303 m
Niakaramadougou (see Niakaramandougou)		8° 40' 00" N 5° 17' 00" W	303 m
Niakaramandougou		8° 40' 00" N 5° 17' 00" W	303 m
(see also: Niakarama Kaha, Niakaramadougou, Niankaramadugu, Niankaramandougou)			
Niankaramadugu (see Niakaramandougou)		8° 40' 00" N 5° 17' 00" W	303 m
Niankaramandougou (see Niakaramandougou)		8° 40' 00" N 5° 17' 00" W	303 m
Niébé		5° 22' 00" N 7° 18' 00" W	132 m
(see also: Niebe)			
Niebe (see Niébé)		5° 22' 00" N 7° 18' 00" W	132 m
Nimba, Mount	ca.	7° 35' 00" N 8° 25' 00" W	
(see also: Mont Nimba, Mount Nimba)			
Nor department			
N'zi region			
N'zi-Comoé (former) region			
Obienné-Sienso (see Odienné-Siènso)		9° 24' 49" N 7° 30' 56" W	452 m
Odienné-Siènso		9° 24' 49" N 7° 30' 56" W	452 m
(see also: Obienné-Sienso, Sienso)			
Ouango Fetini (see Ouangofétini)		9° 34' 00" N 4° 03' 00" W	312 m
Ouangofétini		9° 34' 00" N 4° 03' 00" W	312 m
(see also: Ouango Fetini)			
Ouangofétini		9° 34' 00" N 4° 03' 00" W	312 m
Oumé		6° 23' 00" N 5° 25' 00" W	153 m
(see also: Umé)			
Oumé department			
Pacobo		6° 10' 03" N 4° 56' 14" W	75 m
(see also: Kpakobo, Pakobo)			
Pakobo (see Pacobo)		6° 10' 03" N 4° 56' 14" W	75 m
Parc National d'Azagny (see Azagny National Park)		6° 13' 07" N 5° 15' 32" W	125 m
Parc National de Bouna (see Comoé National Park)		8° 49' 21" N 3° 35' 26" W	
Parc National de la Comoé (see Comoé National Park)		8° 49' 21" N 3° 35' 26" W	
Parc National de la Komoé (see Comoé National Park)		8° 49' 21" N 3° 35' 26" W	
Parc National de Mont Peko, 6 km W Sibabli		6° 56' 00" N 7° 10' 00" W	
(see also: Mount Peko National Park, Sibabli, 6 km W)			

Parc National de Tai	ca.	5° 50' 00" N 7° 20' 50" W	
(see also: Taï National Park)			
Parc National du Komoé (see Comoé National Park)		8° 49' 21" N 3° 35' 26" W	
Pelotes			
Poro region			
Reserve totale de faune de Bouna (see Comoé National Park)		8° 49' 21" N 3° 35' 26" W	
Saibly		6° 33' 00" N 8° 02' 00" W	
San-Pédro region			
Sassandra River		7° 00' 00" N 7° 03' 00" W	
Sassandra-Marahoué district			
Sassandre department			
Saubre (see Soubré)		5° 46' 55" N 6° 36' 25" W	140 m
Savanes (former) region			
Savanes district			
Ségélo-Koro		9° 24' 31" N 7° 09' 00" W	457 m
(see also: Séguélo)			
Seguela department			
Séguélo (see Ségélo-Koro)		9° 24' 31" N 7° 09' 00" W	457 m
Sibabli, 6 km W (see Parc National de Mont Peko)		6° 56' 00" N 7° 10' 00" W	
Sienso (see Odienné-Siènso)		9° 24' 49" N 7° 30' 56" W	452 m
Soubré		5° 46' 55" N 6° 36' 25" W	140 m
(see also: Saubre)			
Soubré, 10 mi [=16 km] WNW		5° 49' 00" N 6° 45' 00" W	
(see also: Soubre, 10 mi WNW)			
Soubre, 10 mi WNW (see Soubré, 10 mi [=16 km] WNW)		5° 49' 00" N 6° 45' 00" W	
Sud-Bandama (former) region			
Sud-Comoé region			
Taï		5° 52' 25" N 7° 27' 19" W	252 m
Taï National Park (see Parc National de Tai)	ca.	5° 50' 00" N 7° 20' 50" W	
Tchologo region			
Tiegba			
Tienko (see Tyenko)		8° 14' 00" N 7° 34' 00" W	451 m
Tonkpi region			
Torgokaha		9° 23' 00" N 5° 38' 00" W	376 m
Toumodi		6° 33' 29" N 5° 01' 04" W	252 m
Toumodi department			
Toumodi sud		6° 33' 00" N 5° 01' 00" W	152 m
Toumodi, 5 km SE	ca.	6° 33' 00" N 5° 01' 00" W	
Toyébli		6° 37' 11" N 8° 28' 50" W	211 m
Tulé		7° 56' 05" N 6° 07' 51" W	393 m
(see also: Tule)			
Tule (see Tulé)		7° 56' 00" N 6° 08' 00" W	
Tyenko		8° 14' 00" N 7° 34' 00" W	451 m
(see also: Kienko, Tienko)			
Umé (see Oumé)		6° 23' 00" N 5° 25' 00" W	153 m
Vallée du Bandama (former) region			
Vallée du Bandama district			
Woroba district			
Worodougou region			
Yabrasso		7° 26' 00" N 3° 29' 00" W	151 m
Yahama (see Yama)		9° 36' 02" N 6° 18' 38" W	430 m
Yama		9° 36' 02" N 6° 18' 38" W	430 m
(see also: Yahama)			
Yamoussoukro district			
Yamoussoukro region			
Yapo Kra		5° 49' 00" N 4° 08' 00" W	74 m
(see also: Japo Sud, Yapo Sud, Yapo-Sud)			
Yapo Sud (see Yapo Kra)		5° 49' 00" N 4° 08' 00" W	74 m
Yapo-Sud (see Yapo Kra)		5° 49' 00" N 4° 08' 00" W	74 m
Zanzan (former) region			
Zanzan district			
Zébé (see Zegban)		5° 09' 49" N 5° 35' 20" W	
Zegban		5° 09' 49" N 5° 35' 20" W	
(see also: Zébé, Zegbé)			
Zegbé (see Zegban)		5° 09' 49" N 5° 35' 20" W	

Djibouti:

Ali Sabieh and Dikhil, between	ca.	11° 08' 56" N 42° 32' 06" E	
(see also: Ali Sabieh and Dikkit, between)			
Ali Sabieh and Dikkit, between (see Ali Sabieh and Dikhil, between)	ca.	11° 08' 56" N 42° 32' 06" E	
Ali Sabieh region			
Amboua (see Ambouli)		11° 34' 10" N 43° 08' 12" E	9 m

Ambouli		11° 34' 10" N 43° 08' 12" E	9 m
(see also: Amboua, Ambua, H_oumbouli)			
Ambua (see Ambouli)		11° 34' 10" N 43° 08' 12" E	9 m
Ardo	ca.	11° 49' 22" N 42° 40' 25" E	
Arta region			
Day Forest National Park	ca.	11° 46' 01" N 42° 39' 00" E	1400 m
Day, mount (see Mount Day)		11° 46' 01" N 42° 39' 00" E	1400 m
Dikhil region			
Djibouti		11° 35' 42" N 43° 08' 53" E	0 m
(see also: Djibuti, Gibuti, Jibouti, Jibuti)			
Djibouti			
(see also: Afars and Issas, Côte Français des Somalis, French Somaliland, Somali Française, Territoire Français d'Afas et Issas)			
Djibouti region			
Djibuti (see Djibouti)		11° 35' 42" N 43° 08' 53" E	0 m
Gibuti (see Djibouti)		11° 35' 42" N 43° 08' 53" E	0 m
Hayyou (see Obock)		11° 57' 47" N 43° 17' 26" E	0 m
H_oumbouli (see Ambouli)		11° 34' 10" N 43° 08' 12" E	9 m
Jibouti (see Djibouti)		11° 35' 42" N 43° 08' 53" E	0 m
Jibuti (see Djibouti)		11° 35' 42" N 43° 08' 53" E	0 m
Mount Day		11° 46' 00" N 42° 39' 00" E	1471 m
(see also: Day, mount)			
Obock		11° 57' 47" N 43° 17' 26" E	0 m
(see also: Hayyou, Obok)			
Obock region			
Obok (see Obock)		11° 57' 47" N 43° 17' 26" E	0 m
Obolléi Yar		11° 23' 37" N 43° 04' 56" E	218 m
(see also: Obolley Yar, Wadi Obolléï)			
Obolley Yar (see Obolléi Yar)		11° 23' 37" N 43° 04' 56" E	218 m
Tadjourah region			
Wadi Obolléï		11° 10' 00" N 42° 44' 00" E	
Wadi Obolléï (see Obolléi Yar)		11° 23' 37" N 43° 04' 56" E	218 m

Egypt:

"Tor Sinai" (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
Abbasieh (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
'Abbâsîya (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
'Abbasiyah (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
'Abbâsîyeh (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
Abbassia		30° 04' 00" N 31° 17' 00" E	45 m
(see also: Abbasieh, 'Abbâsîya, 'Abbasiyah, 'Abbâsîyeh, Al 'Abbasiyah, El 'Abbasiya)			
Abu Ghaleb, 2 km N	ca.	30° 16' 00" N 30° 56' 00" E	ca. 25 m
(see also: Abu Ghalib, 2 km N)			
Abu Ghalib, 2 km N (see Abu Ghaleb, 2 km N)	ca.	30° 16' 00" N 30° 56' 00" E	ca. 25 m
Abu Ra??al (see Bi'r Abu Ri?al)		25° 00' 00" N 33° 28' 00" E	
Abu Rauwâsh (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Abu Rawash (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Abu Rawash, 2 km N	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rawash, 5 km W	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rawwash, 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
(see also: Abu Rauwâsh, Abu Rawash, Abu Roash, Abu Ruwash, Aburoash, Ezbet Abu Rauwâsh, Ezbet Abu Roash, Giza, 5 mi [=8 km] NW)			
Abu Rawwash, 2 km N	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rawwash, 5 km W	ca.	30° 02' 00" N 31° 05' 00" E	
Abu Rihal, W of, 90 km E of Idfn Shalatein	ca.	25° 00' 00" N 33° 28' 00" E	
Abu Roash (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Abu Ruwash (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Abu Sa'fa Springs (see Abu Sa'fah, Bi'r)		23° 18' 24" N 34° 47' 51" E	
Abu Sa'fa, Bir (see Abu Sa'fah, Bi'r)		23° 18' 24" N 34° 47' 51" E	
Abu Sa'fah, Bi'r		23° 18' 24" N 34° 47' 51" E	
(see also: Abu Sa'fa Springs, Abu Sa'fa, Bir, Abu Saafa, Bir, Bir Abu Saafa)			
Abu Saafa, Bir (see Abu Sa'fah, Bi'r)		23° 18' 24" N 34° 47' 51" E	
Abu Simbel (see Abu Sunbul)		22° 22' 00" N 31° 38' 00" E	193 m
Abu Simbel (see Abu Sunbul)		22° 22' 00" N 31° 38' 00" E	193 m
Abu Simbil (see Abu Sunbul)		22° 22' 00" N 31° 38' 00" E	193 m
Abu Sinbil (see Abu Sunbul)		22° 22' 00" N 31° 38' 00" E	193 m
Abu Sir		29° 53' 00" N 31° 13' 00" E	73 m
Abu Sir		29° 53' 00" N 31° 13' 00" E	73 m
Abu Sumbul (see Abu Sunbul)		22° 22' 00" N 31° 38' 00" E	193 m

Abu Sunbul (see also: Abu Simbel, Abu Simbel, Abu Simbil, Abu Sinbil, Abu Sumbul)		22° 22' 00" N 31° 38' 00" E	193 m
Abu Zanimah, 18 km N, 4 km from sea (see also: Abu Zenima, 18 km N, Abu Zuneim, 18 km N, Aby Zniema, 18 km N)		29° 02' 59" N 33° 06' 13" E	0 m
Abu Zenima, 18 km N (see Abu Zanimah, 18 km N)		29° 02' 59" N 33° 06' 13" E	0 m
Abu Zuneim, 18 km N (see Abu Zanimah, 18 km N)		29° 02' 59" N 33° 06' 13" E	0 m
Abu-Rawash and the pyramids, between	ca.	30° 02' 00" N 31° 05' 00" E	
Aburoash (see Abu Rawwash)		30° 02' 44" N 31° 05' 33" E	6 m
Aby Zniema, 18 km N (see Abu Zanimah, 18 km N)		29° 02' 59" N 33° 06' 13" E	0 m
Ad Daqahliyaj governorate (see also: Al Daqahliyah governorate |PC:DQ|)			
Ain el Furtaga (see El-Tûr)		29° 02' 44" N 34° 33' 10" E	
Ain Hudra (see Wadi Khu?rah)		29° 30' 46" N 34° 03' 25" E	
Ain Khudra (see Wadi Khu?rah)		29° 30' 46" N 34° 03' 25" E	
Aîn Sudr (see Ayn Sudr)		29° 48' 57" N 33° 06' 38" E	
Al A'aqab (see also: El A'aqab)		24° 15' 00" N 32° 54' 00" E	252 m
Al 'Abbasiyah (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
Al A'qab (see also: El A'agab, El A'qab)		24° 15' 00" N 32° 54' 00" E	166 m
Al Arish (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Al Badrashayn (see also: Badrashên, El Badrshein, El-Badrshein)		29° 51' 00" N 31° 16' 00" E	21 m
Al Bahariya (see Al Wa?at al Ba?riyah)		28° 15' 00" N 28° 57' 00" E	
Al Bahr-Al Ahmar governorate (see also: Red Sea governorate |PC:BA|)			
Al Bawiti (see also: Al Bawiti, al-Bawiti, Bawiti, Bawiti, El Bawiti, El Bawîti)		28° 20' 57" N 28° 51' 57" E	252 m
Al Bawiti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
Al Buhayrah governorate (see also: Beheira governorate |PC:BH|, Behera governorate |PC:BH|)			
Al DaPC:DQ|)			
Al Fayyum (see also: Arsinoë, Crocodilopolis, El Faiyûm, Faiyoum, Fayoom, Fayoum, Fayoum, caves, Fayum, Fayyoum, Fayyum, Madinet el Faiyum, Médinat el-Fayoum, Medinat Fayum, Medinet el Fayum, Shedit)		29° 18' 28" N 30° 50' 24" E	39 m
Al Fayyum governorate (see also: Fayoum governate)			
Al Gharbiyah governorate (see also: Gharbia governorate |PC:GH|)			
Al Ghardaqah (see also: Al-Ghardaq, El-Ghardaqa, Hurghada, Urgada)		27° 08' 00" N 33° 50' 00" E	
Al Iskandariyah (see also: Alessandria, Alexandria, Alexandrie, El Iskandariya, Iskandarîya, Iskindiriya)		31° 11' 53" N 29° 55' 09" E	4 m
Al Iskandariyah governorate (see also: Alexandria governorate |PC:IK|)			
Al Isma`iliyah governorate (see also: Al Ismailiyah governorate |PC:IS|)			
Al IsPC:IS|)			
Al Jabal al A?mar (see also: Al Jabal al Ahmar, El Gebel el Ahmar , El Jebel el Ahmar, Gebel el Ahmar)		30° 03' 00" N 31° 18' 00" E	
Al Jabal al Ahmar (see Al Jabal al A?mar) (see also: Gebel el Ahmar, Jebel Ahmar)		30° 03' 00" N 31° 18' 00" E	
Al Jizah		30° 05' 10" N 31° 12' 44" E	17 m
Al Jizah governorate (see also: Al Jizah governorate |PC:JZ|, Giza governorate |PC:JZ|)			
Al JiPC:JZ|)			
Al Karnak, near Luxor (see also: El Karnak, El Kharnâk, Karnak Great Temple)		25° 41' 00" N 32° 39' 00" E	
Al Kharijah		25° 26' 00" N 30° 33' 00" E	32 m
Al Khatatibah (see also: El Kha?a?ba)		30° 23' 00" N 30° 50' 00" E	21 m
Al Lahun (see also: El Lâhûn, Gebel el Lahun, Lahun)		29° 13' 09" N 30° 58' 42" E	5 m

Al Lisht		29° 34' 00" N 31° 14' 00" E	15 m
(see also: El-Lisht, Lisht)			
Al Lisht		29° 34' 00" N 31° 14' 00" E	15 m
Al Ma‘adi		29° 58' 00" N 31° 15' 00" E	
(see also: El Ma‘adi , Maadi, Ma'adi, Ma'adi al Khabiri , Ma'âdi el-Khabîri , Ma'âdi el-Khahîri , Meadi)			
Al Ma‘adi, 8 mi [=12.8 km] from (see Wadi Digla), 8 mi [=12.8 km] from Maadi		29° 58' 00" N 31° 18' 00" E	
Al Ma'abidah		27° 20' 20" N 31° 01' 30" E	47 m
(see also: El Ma`abda, El Ma‘âbda, El Maabdeh, cave)			
Al Mansuriyah		30° 08' 13" N 31° 04' 17" E	28 m
(see also: El Mansuriya, El-Man?ûrîya)			
Al Mansuriyah, 4 km W	ca.	30° 08' 13" N 31° 04' 17" E	
(see also: El Mansuriya, 4 km W)			
Al Minufiyah governorate			
(see also: Al Minufiyah governorate |PC:MF|)			
Al MiPC:MF|)			
(see also: Menoufia governate)			
Al Minya governorate (see Al Minya governorate)			
(see also: Menia governate)			
Al Minya governorate			
(see also: Al Minya governorate)			
Al Qahirah		30° 03' 00" N 31° 15' 00" E	22 m
(see also: Cairo, Cairo Citadel, El Kahira, El Kahirah, El-Qâhira, Kairo, Le Caire, Masr, Misr)			
Al Qahirah governorate			
(see also: Cairo governorate |PC:QH|)			
Al Qalyubiyah governorate (see Al Qalyubiyah governorate)			
Al Qalyubiyah governorate			
(see also: Al Qalyubiyah governorate, Kalyoubia governorate |PC:QL|)			
Al Qasr, 5 mi W Mersa Matruh		31° 22' 00" N 27° 07' 00" E	20 m
(see also: El Qasr, Mersa Matruh, 5 mi [=8 km] W)			
Al Qulzum (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Al Qusayr		26° 06' 00" N 34° 17' 00" E	0 m
(see also: Koseir, Leucus Limen, Qosier, Qosseir, Quseir)			
Al Rashda (see Ar Rashidah)		25° 34' 57" N 28° 56' 28" E	104 m
Al Uqsur		25° 41' 00" N 32° 39' 00" E	76 m
(see also: El Aqsur, El Kusur, El Qusur, El Uqsor, El-Aksur, Louksor, Luksor, Luqsor, Luxor)			
Al Uqsur governorate			
Al Wadi -Al Jadid governorate			
(see also: El Wadi El Gedid governorate |PC:WJ|)			
Al Wa?at al Ba?riyah		28° 15' 00" N 28° 57' 00" E	
(see also: Al Bahariya, Al Wahat al Bahriyah, Bahariya Oasis, Baharîya Oasis)			
Al Wahat al Bahriyah (see Al Wa?at al Ba?riyah)		28° 15' 00" N 28° 57' 00" E	
(see also: Baryeh Oasis)			
Al Walidiyah		27° 12' 00" N 31° 10' 00" E	35 m
(see also: El Wilidiya)			
Al Wayet Shakshuk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Al'Arish		31° 07' 34" N 33° 48' 07" E	33 m
(see also: Al Arish, City of Cut Noses, El Arish, El-'Arîsh, Rhinocolorum, Rhinocolura, Rhinocorura, Rhinokorura)			
al-Bawiti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
Alessandria (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
Alexandria (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
AlexaPC:IK|)			
Alexandria, 40 km W (see Burj al'Arab)		30° 55' 00" N 29° 32' 00" E	9 m
Alexandrie (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
Al-Fustat (see Misr al Qadimah)		30° 01' 00" N 31° 14' 00" E	16 m
Al-Ghardaq (see Al Ghardaqah)		27° 08' 00" N 33° 50' 00" E	
Al-Kharga (see El Wadi El Gedid governorate)		25° 26' 00" N 30° 33' 00" E	32 m
Al-Tur (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
Al-Wayet Shakshuk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Appolinopolis Magna (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m
Appolonopolis Manga (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m

Ar Rashidah		25° 34' 57" N 28° 56' 28" E	104 m
(see also: Al Rashda, El Rashda, Er Rashda, Rashida)			
Arabia Petraea, South of line connection Aqaba and Suez			
Arsinoë (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
As Ismailiyah governate			
(see also: Ismailia governate)			
As Sinbillawayn		30° 52' 55" N 31° 27' 47" E	11 m
(see also: As Sunbullawayn, El-Simbillâwein, Es Simbillawein, Simbilawein, Simbillawein)			
As Sinbillawayn, 5 mi [=8 km] W	ca.	30° 53' 00" N 31° 28' 00" E	
(see also: Simbilawein, 5 mi [=8 km] W)			
As Sunbullawayn (see As Sinbillawayn)		30° 52' 55" N 31° 27' 47" E	11 m
As Suways		29° 58' 00" N 32° 33' 00" E	2 m
(see also: Al Qulzum, Clysma, El Seweis, El Suweis, El-Qulzum, Es Suweis, Klysma, Suës, Suez)			
As Suways governorate			
(see also: Suez governorate |PC:SW|)			
Ash Sharqiyah governorate			
(see also: Ash Sharqiyah governorate |PC:SQ|, Sharkia governorate |PC:SQ|)			
Ash SPC:SQ|)			
Asna (see Isna)		25° 17' 36" N 32° 33' 14" E	
Assouan (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Assuan (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Aswan		24° 05' 15" N 32° 53' 56" E	85 m
(see also: Assouan, Assuan, Aswân, Es-Suan, Syena, Syene, Syeue)			
Aswân (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Aswan governorate			
(see also: Aswan governorate |PC:AN|)			
AswanPC:AN|)			
Aswan Tombs	ca.	24° 05' 15" N 32° 53' 56" E	
(see also: Aswan Tombs)			
Aswan Tombs (see Aswan Tombs)	ca.	24° 05' 15" N 32° 53' 56" E	
AsyiuPC:AT|)			
Asyut governorate			
(see also: Asyiut governorate |PC:AT|)			
At Tur		28° 14' 14" N 33° 36' 50" E	17 m
(see also: "Tor Sinai", Al-Tur, El-Tor, El-Tur, Et Tor, Thur, Tor)			
Ataka Mountains (see Ataqah, Jabal), near Suez		29° 55' 00" N 32° 20' 00" E	
Ataqah, Jabal, near Suez		29° 55' 00" N 32° 20' 00" E	
(see also: Ataka Mountains, Jabal Ataqah)			
Ayn al Furtajah (see El-Tûr)		29° 02' 44" N 34° 33' 10" E	
Ayn al Furtajah (see El-Tûr)		29° 02' 44" N 34° 33' 10" E	
Ayn Sudr		29° 48' 57" N 33° 06' 38" E	
(see also: Aîn Sudr)			
Badrashên (see Al Badrashayn)		29° 51' 00" N 31° 16' 00" E	21 m
Bahariya Oasis (see Al Wa?at al Ba?riyah)		28° 15' 00" N 28° 57' 00" E	
Baharîya Oasis (see Al Wa?at al Ba?riyah)		28° 15' 00" N 28° 57' 00" E	
Bahig (see Bahij), West of Alexandria		30° 56' 00" N 29° 35' 00" E	2 m
Bahig (see Bahij), West of Alexandria		30° 56' 00" N 29° 35' 00" E	2 m
Bahij, West of Alexandria		30° 56' 00" N 29° 35' 00" E	2 m
(see also: Bahig, Bahig)			
Bahr Qârûn (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Bakkari (see Mandisha)		30° 01' 08" N 31° 08' 23" E	
Bani Suwayf		29° 04' 28" N 31° 05' 52" E	24 m
(see also: Bani Suwayf, Bani Szuvajf kormányzóság, Beni Souef, Beni Sue, Beni Suef, Beni Suweif)			
Bani Suwayf (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Bani Suwayf governorate			
(see also: Beni Suwayf governorate |PC:BN|, Beni-Suef governorate |PC:BN|)			
Bani Szuvajf kormányzóság (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Barr ash Sharqiyah (see Barr el-Sharqiya)		31° 00' 55" N 32° 03' 45" E	
Barr el-Sharqiya		31° 00' 55" N 32° 03' 45" E	
(see also: Barr ash Sharqiyah, Sharqiya)			
Baryeh Oasis (see Al Wahat al Bahriyah)		28° 15' 00" N 28° 57' 00" E	
Bawiti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
Bawiti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
BeheiPC:BH|)			
BeherPC:BH|)			
Beltim, Nile delta			

Beni Souef (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Beni Sue (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Beni Suef (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
BeniPC:BN|)			
Beni Suweif (see Bani Suwayf)		29° 04' 28" N 31° 05' 52" E	24 m
Beni-PC:BN|)			
Bi'r Abu Ri?al		25° 00' 00" N 33° 28' 00" E	
(see also: Abu Ra??al, Bîr Abu Rahâl)			
Bir Abraq		23° 25' 00" N 34° 47' 45" E	
Bîr Abu Rahâl (see Bi'r Abu Ri?al)		25° 00' 00" N 33° 28' 00" E	
Bir Abu Saafa (see Abu Sa'fah, Bi'r)		23° 18' 24" N 34° 47' 51" E	
Bir Kohila (see Bir Kohllq), Qattar mountains		27° 02' 47" N 33° 20' 37" E	
Bir Kohllq, Qattar mountains		27° 02' 47" N 33° 20' 37" E	
(see also: Bir Kohila)			
Bir Nagat, Qattar mountains	ca.	27° 06' 00" N 33° 22' 00" E	
Birkat Qarun		29° 28' 29" N 30° 39' 55" E	
(see also: Bahr Qârûn , Birkat Qaryn , Birket Qârûn, Karoun, lake, Lake Karoun, Lake Qarun, Qarun, lake)			
Birkat Qaryn (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Birket Qârûn (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Bu?ayrat Maryut		31° 09' 27" N 29° 54' 16" E	
(see also: El Maryût, Lac Maréotis, Lake Mariout, Lake Mariut, Lake Marout, Lake Maryut, Maréotis, Mariout, lake, Mariut, lake, Marout, lake, Maryut, lake)			
Bu?ayrat Maryut, SW of	ca.	31° 09' 27" N 29° 54' 16" E	
(see also: Maréotis, SW of lake)			
Bulaq		25° 12' 00" N 30° 32' 00" E	36 m
Bur Sa`id governorate			
(see also: Bur Said governorate |PC:BS|, Port Said governorate |PC:BS|)			
Bur SPC:BS|)			
Burg el'Arab (see Burj al'Arab)		30° 55' 00" N 29° 32' 00" E	9 m
Burgh-El-Arab (see Burj al'Arab)		30° 55' 00" N 29° 32' 00" E	9 m
Burj al'Arab, 40 km W Alexandria		30° 55' 00" N 29° 32' 00" E	9 m
(see also: Alexandria, 40 km W, Burg el'Arab, Burgh-El-Arab)			
Cairo (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Cairo and Ismaila, between		30° 00' 00" N 31° 00' 00" E	
Cairo and Ismailia, between			
Cairo Citadel (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
CairoPC:QH|)			
Cairo, 20 km S	ca.	30° 03' 00" N 31° 15' 00" E	
(see also: Cairo, 20 km S)			
Cairo, 20 km S (see Cairo, 20 km S)	ca.	30° 03' 00" N 31° 15' 00" E	
Cairo, 20 mi [=32 km] E	ca.	30° 03' 00" N 31° 15' 00" E	
Cairo, 5 km E	ca.	30° 03' 00" N 31° 15' 00" E	
Cairo, Gizeh and Theben, between	ca.	25° 43' 00" N 32° 38' 00" E	
Cairo, near		29° 58' 00" N 31° 07' 00" E	
City of Cut Noses (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Clysma (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Cow Shed Royal Farms (see Idfina)		31° 17' 37" N 30° 30' 45" E	1 m
Crocodilopolis (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Dahshur		29° 45' 00" N 31° 14' 00" E	21 m
Dakahlia governorate(see Ballito-Westbrook)			
Dakhla Oasis, 6 km N Mut		25° 29' 00" N 28° 59' 00" E	109 m
(see also: Mut, 6 km N, Nû, 6 km N)			
DamiePC:DT|)			
Dandarah		26° 10' 09" N 32° 39' 19" E	67 m
(see also: Dandera, Denderah, Denderah temple, Tentyra)			
Dandera (see Dandarah)		26° 10' 09" N 32° 39' 19" E	67 m
Dehmit (see Dihmit)		23° 47' 00" N 32° 55' 00" E	252 m
Deir al Bahari, Kings graves, near			
Denderah (see Dandarah)		26° 10' 09" N 32° 39' 19" E	67 m
Denderah temple (see Dandarah)		26° 10' 09" N 32° 39' 19" E	67 m
Dihmit		23° 47' 00" N 32° 55' 00" E	252 m
(see also: Dehmit, Dihmit, Dilunit)			
Dihmit (see Dihmit)		23° 47' 00" N 32° 55' 00" E	252 m
Dilunit (see Dihmit)		23° 47' 00" N 32° 55' 00" E	252 m
Dumyat governorate			
(see also: Damietta governorate |PC:DT|, Dumyat governorate |PC:DT|)			
DumyaPC:DT|)			
Durunka (see Durunkah)		27° 08' 19" N 31° 10' 31" E	64 m

Durunkah		27° 08' 19" N 31° 10' 31" E	64 m
(see also: Durunka)			
Dûsh (see Izbat Dush)		24° 34' 00" N 30° 42' 00" E	77 m
Dush temple (see Izbat Dush), S of Baris		24° 34' 00" N 30° 42' 00" E	77 m
Eastern desert of Egypt	ca.	22° 00' 00" N 35° 00' 00" E	
Edfina (see Idfina)		31° 17' 37" N 30° 30' 45" E	1 m
Edfou (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m
Edfu (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m
Egypt			
Ein Khudra (see Wadi Khu?rah)		29° 30' 46" N 34° 03' 25" E	
El A'agab (see Al A'qab)		24° 15' 00" N 32° 54' 00" E	166 m
El A'aqab (see Al A'aqab)		24° 15' 00" N 32° 54' 00" E	252 m
El 'Abbasiya (see Abbassia)		30° 04' 00" N 31° 17' 00" E	45 m
El A'qab (see Al A'qab)		24° 15' 00" N 32° 54' 00" E	166 m
El Aqsur (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
El Arish (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
El Badrshein (see Al Badrashayn)		29° 51' 00" N 31° 16' 00" E	21 m
El Bawiti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
El Bawîti (see Al Bawiti)		28° 20' 57" N 28° 51' 57" E	252 m
El Faiyûm (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
El Fostat (see Misr al Qadimah)		30° 01' 00" N 31° 14' 00" E	16 m
El Fustat (see Misr al Qadimah)		30° 01' 00" N 31° 14' 00" E	16 m
El Gebel el Ahmar (see Al Jabal al A?mar)		30° 03' 00" N 31° 18' 00" E	
El Gezira (see Jazirat az Zamalik)		30° 03' 24" N 31° 13' 19" E	
El Gizeh		30° 05' 10" N 31° 12' 44" E	17 m
El Guan, 1 mi W Mersa Matruh	ca.	31° 22' 00" N 27° 07' 00" E	
(see also: Mersa Matruh, 1 mi [=1.6 km] W)			
El Iskandariya (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
El Jebel el Ahmar (see Al Jabal al A?mar)		30° 03' 00" N 31° 18' 00" E	
El Kahira (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
El Kahirah (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
El Karnak (see Al Karnak), near Luxor		25° 41' 00" N 32° 39' 00" E	
El Khârga (see El Wadi El Gedid governorate)		25° 26' 00" N 30° 33' 00" E	32 m
El Kharnâk (see Al Karnak), near Luxor		25° 41' 00" N 32° 39' 00" E	
El Kha?a?ba (see Al Khatatibah)		30° 23' 00" N 30° 50' 00" E	21 m
El Kusur (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
El Lâhûn (see Al Lahun)		29° 13' 09" N 30° 58' 42" E	5 m
El Lisht (see Lahun)		29° 34' 00" N 31° 14' 00" E	15 m
El Ma`abda (see Al Ma'abidah)		27° 20' 20" N 31° 01' 30" E	47 m
El Ma'âbda (see Al Ma'abidah)		27° 20' 20" N 31° 01' 30" E	47 m
El Ma'adi (see Al Ma'adi)		29° 58' 00" N 31° 15' 00" E	
El Maabdeh, cave (see Al Ma'abidah)		27° 20' 20" N 31° 01' 30" E	47 m
El Mansuriya (see Al Mansuriyah)		30° 08' 13" N 31° 04' 17" E	28 m
El Mansuriya, 4 km W (see Al Mansuriyah, 4 km W)	ca.	30° 08' 13" N 31° 04' 17" E	
El Maryût (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
El Milga		28° 33' 22" N 33° 58' 33" E	
El Qasr (see Al Qasr), 5 mi W Mersa Matruh		31° 22' 00" N 27° 07' 00" E	20 m
El Qasr, 1 mi [=1.6 km] W (see El Sheikh Salem)	ca.	31° 22' 00" N 27° 07' 00" E	
El Qatta		22° 43' 00" N 32° 04' 00" E	172 m
El Qusur (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
El Rashda (see Ar Rashidah)		25° 34' 57" N 28° 56' 28" E	104 m
El Seweis (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
El Sheikh Salem, 1 mi W El Qasr	ca.	31° 22' 00" N 27° 07' 00" E	
(see also: El Qasr, 1 mi [=1.6 km] W)			
El Suweis (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
El Uqsor (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
El WaPC:WJ|)			
(see also: Al-Kharga, El Khârga, El-Charge, Kharga Oasis, Temple of Hibis)			
El Wâyet Shakshuk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
El Wilidiya (see Al Walidiyah)		27° 12' 00" N 31° 10' 00" E	35 m
El-'Aiyat (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
El-Aksur (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
El-'Arîsh (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
El-Badrshein (see Al Badrashayn)		29° 51' 00" N 31° 16' 00" E	21 m
El-Charge (see El Wadi El Gedid governorate)		25° 26' 00" N 30° 33' 00" E	32 m
El-Ghardaqa (see Al Ghardaqah)		27° 08' 00" N 33° 50' 00" E	
El-Gîza		30° 05' 10" N 31° 12' 44" E	17 m
El-Lisht (see Al Lisht)		29° 34' 00" N 31° 14' 00" E	15 m
El-Lisht (see Lahun)		29° 34' 00" N 31° 14' 00" E	15 m
El-Man?ûrîya (see Al Mansuriyah)		30° 08' 13" N 31° 04' 17" E	28 m
El-Qâhira (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
El-Qulzum (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
El-Simbillâwein (see As Sinbillawayn)		30° 52' 55" N 31° 27' 47" E	11 m
El-Tor (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m

El-Tûr (see Asakra)		28° 14' 14" N 33° 36' 50" E	17 m
(see also: Ain el Furtaga , Ayn al Furtajah, Ayn al Furtajah)			
El-Tur (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
Er Rashda (see Ar Rashidah)		25° 34' 57" N 28° 56' 28" E	104 m
Es Simbillawein (see As Sinbillawayn)		30° 52' 55" N 31° 27' 47" E	11 m
Es Suweis (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Esna (see Isna)		25° 17' 36" N 32° 33' 14" E	
Esneh (see Isna)		25° 17' 36" N 32° 33' 14" E	
Es-Suan (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Et Tor (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
Ezbet Abu Rauwâsh (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Ezbet Abu Roash (see Abu Rawwash), 5 mi NW Giza		30° 02' 44" N 31° 05' 33" E	6 m
Ezbet Dush (see Izbat Dush)		24° 34' 00" N 30° 42' 00" E	77 m
Fairan (see Wadi Fayran)		28° 40' 27" N 33° 15' 26" E	
Faiyoum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayoom (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayoum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayoum governate (see Al Fayyum governorate)			
Fayoum, caves (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayyoum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Fayyum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Feiran Oasis (see Wa?at Fayran)		28° 43' 07" N 33° 37' 13" E	
Feiran Oasis, W edge		28° 43' 00" N 33° 37' 00" E	595 m
Frontier governorates			
Gebel Abraq			
Gebel Adda		22° 16' 00" N 31° 36' 00" E	
Gebel el Ahmar (see Al Jabal al Ahmar)		30° 03' 00" N 31° 18' 00" E	
Gebel el Ahmar (see Al Jabal al A?mar)		30° 03' 00" N 31° 18' 00" E	
Gebel el Hagif (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Gebel el Lahun (see Al Lahun)		29° 13' 09" N 30° 58' 42" E	5 m
Gezira Island (see Jazirat az Zamalik)		30° 03' 24" N 31° 13' 19" E	
Gezîret el-Zamâlik (see Jazirat az Zamalik)		30° 03' 24" N 31° 13' 19" E	
GharbPC:GH|)			
Ghizeh		30° 05' 10" N 31° 12' 44" E	17 m
Gîza		30° 00' 29" N 31° 12' 39" E	22 m
(see also: Giza, Gizah, Gizeh)			
Giza (see Gîza)		30° 00' 29" N 31° 12' 39" E	22 m
GizaPC:JZ|)			
Giza Pyramid		29° 59' 00" N 31° 08' 00" E	
Giza pyramids		29° 58' 00" N 31° 07' 00" E	
Giza pyramids area, old tomb W of Cheops pyramide		29° 59' 00" N 31° 08' 00" E	
Giza pyramids, 1 km N		29° 58' 00" N 31° 07' 00" E	
Giza pyramids, 2 km from		29° 58' 00" N 31° 07' 00" E	
Giza, 5 mi [=8 km] NW (see Abu Rawwash)	ca.	30° 02' 44" N 31° 05' 33" E	
Giza, near	ca.	30° 05' 10" N 31° 12' 44" E	
Gizah (see Gîza)		30° 00' 29" N 31° 12' 39" E	22 m
Gizeh (see Gîza), near Cairo		30° 00' 29" N 31° 12' 39" E	22 m
Great Pyramid		29° 58' 00" N 31° 07' 00" E	
Halwan, near Giza		29° 51' 00" N 31° 20' 00" E	71 m
(see also: Helonan, Helouan, Hélouan-les-Bains, Helvan, Helwân, Hilwan, Hulwan, Les Bains)			
Helonan (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Helouan (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Hélouan-les-Bains (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Helvan (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Helwân (see Halwan), near Giza, Wadi Hof		29° 51' 00" N 31° 20' 00" E	71 m
Heracleopolis Magna		29° 05' 21" N 30° 56' 28" E	37 m
Herakleouspolis Magna		29° 05' 21" N 30° 56' 28" E	37 m
Herakleouspolis Megalé		29° 05' 21" N 30° 56' 28" E	37 m
Hersneh			
Hierakopolis		29° 05' 21" N 30° 56' 28" E	37 m
Hilwan (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Hindaw	ca.	25° 29' 00" N 28° 59' 00" E	
Hulwan (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Hurghada (see Al Ghardaqah)		27° 08' 00" N 33° 50' 00" E	
Hurghada, 20 km S	ca.	27° 08' 00" N 33° 50' 00" E	
Idfina		31° 17' 37" N 30° 30' 45" E	1 m
(see also: Cow Shed Royal Farms, Edfina, Rosetta, 8 mi [=12.9 km] SW)			
Idfu		24° 58' 00" N 32° 52' 00" E	86 m
(see also: Appolinopolis Magna, Appolonopolis Manga, Edfou, Edfu, Idfu Bahari, Idfu Bahri)			
Idfu Bahari (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m
Idfu Bahri (see Idfu)		24° 58' 00" N 32° 52' 00" E	86 m

Ihnasiyat al Madinah		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madina		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madinah		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madinah		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya el Madîna		29° 05' 21" N 30° 56' 28" E	37 m
Ihnasyat al Madinah		29° 05' 21" N 30° 56' 28" E	37 m
Ikingi Mariut (see Ikinji Maryut)		30° 59' 33" N 29° 46' 00" E	23 m
Ikingi Maryut (see Ikinji Maryut)		30° 59' 33" N 29° 46' 00" E	23 m
Ikinj Maryut (see Ikinji Maryut)		30° 59' 33" N 29° 46' 00" E	23 m
Ikinji Maryut		30° 59' 33" N 29° 46' 00" E	23 m
(see also: Ikingi Mariut, Ikingi Maryut, Ikinj Maryut)			
Imbaba district		30° 03' 52" N 31° 04' 49" E	
Iskandarîya (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
Iskindiriya (see Al Iskandariyah)		31° 11' 53" N 29° 55' 09" E	4 m
Ismailia governate (see As Ismailiyah governate)			
Isna		25° 17' 36" N 32° 33' 14" E	
(see also: Asna, Esna, Esneh, Latónpolis, Latopolia, Latopolis)			
Isthmus of Suez		30° 30' 00" N 32° 15' 00" E	
(see also: Suez, Isthmus)			
Izbat Dush		24° 34' 00" N 30° 42' 00" E	77 m
(see also: Dûsh, Dush temple, Ezbet Dush)			
Jabal Ataqah (see Ataqah, Jabal), near Suez		29° 55' 00" N 32° 20' 00" E	
Jabal Musa		28° 32' 00" N 33° 59' 00" E	
Janub Sina' governorate			
(see also: Janub Sina governorate |PC:JS|, South Sinai governorate |PC:JS|)			
JanubPC:JS|)			
Jazirah Island (see Jazirat az Zamalik)		30° 03' 24" N 31° 13' 19" E	
Jazirat az Zamalik		30° 03' 24" N 31° 13' 19" E	
(see also: El Gezira , Gezira Island , Gezîret el-Zamâlik, Jazirah Island)			
Jebel Ahmar (see Al Jabal al Ahmar)		30° 03' 00" N 31° 18' 00" E	
Jebel Drunka		27° 07' 00" N 31° 10' 00" E	
Jebel Um Hashiba	ca.	30° 16' 44" N 33° 04' 57" E	
(see also: Um Hashiba)			
Kafr ash Shaykh governorate			
(see also: Kafr-El-Sheikh governorate |PC:KS|)			
Kafr Da'ud		30° 28' 00" N 30° 49' 00" E	12 m
(see also: Kafr Dâwûd)			
Kafr Dâwûd (see Kafr Da'ud)		30° 28' 00" N 30° 49' 00" E	12 m
Kafr-PC:KS|)			
Kairo (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
KalyoPC:QL|)			
Karnak Great Temple (see Al Karnak), near Luxor		25° 41' 00" N 32° 39' 00" E	
Karoun, lake (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Kawm Awshim (see Kawm Ushim)		29° 33' 23" N 30° 53' 13" E	-1 m
Kawm Awshim (see Kawm Ushim)		29° 33' 23" N 30° 53' 13" E	-1 m
Kawm ?amadah		30° 45' 21" N 30° 41' 56" E	13 m
(see also: Kôm ?amâda)			
Kawm Ushim		29° 33' 23" N 30° 53' 13" E	-1 m
(see also: Kawm Awshim, Kawm Awshim, Kom O Shim, Kom Omshin, Kom Oshim)			
Kawn Ombo (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Kawn Umbu		24° 28' 45" N 32° 56' 37" E	109 m
(see also: Kawn Ombo, Kôm Ombo, Kum Ombu, Omboi, Ombos, Umbu)			
Kharga Oasis (see El Wadi El Gedid governorate)		25° 26' 00" N 30° 33' 00" E	32 m
Khayzan, 16 km NE Luxor		25° 41' 00" N 32° 24' 00" E	
(see also: Luxor, 16 km NE)			
Klysma (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Kôm ?amâda (see Kawm ?amadah)		30° 45' 21" N 30° 41' 56" E	13 m
Kom O Shim (see Kawm Ushim)		29° 33' 23" N 30° 53' 13" E	-1 m
Kôm Ombo (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Kom Omshin (see Kawm Ushim)		29° 33' 23" N 30° 53' 13" E	-1 m
Kom Oshim (see Kawm Ushim)		29° 33' 23" N 30° 53' 13" E	-1 m
Korosko (see Kurusku)		24° 31' 00" N 33° 09' 00" E	119 m
Koseir (see Al Qusayr)		26° 06' 00" N 34° 17' 00" E	0 m
Kum Ombu (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Kurusku		24° 31' 00" N 33° 09' 00" E	119 m
(see also: Korosko)			
Lac Maréotis (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Lahun (see Al Lahun)		29° 13' 09" N 30° 58' 42" E	5 m
(see also: El Lisht, El-Lisht)			
Lake Karoun (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	

Lake Manzala, 10 mi S Port Said (see also: Manzala, lake, Port Said, 10 mi [=16 km] S)		31° 17' 00" N 32° 18' 00" E	
Lake Mariout (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Lake Mariut (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Lake Marout (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Lake Maryut (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Lake Moeris (see Moeris, Lake)		29° 33' 00" N 30° 42' 00" E	
Lake Qarun (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Lake Qarun, near	ca.	29° 28' 29" N 30° 39' 55" E	
Latónpolis (see Isna)		25° 17' 36" N 32° 33' 14" E	
Latopolia (see Isna)		25° 17' 36" N 32° 33' 14" E	
Latopolis (see Isna)		25° 17' 36" N 32° 33' 14" E	
Le Caire (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Les Bains (see Halwan), near Giza		29° 51' 00" N 31° 20' 00" E	71 m
Leucus Limen (see Al Qusayr)		26° 06' 00" N 34° 17' 00" E	0 m
Lisht (see Al Lisht)		29° 34' 00" N 31° 14' 00" E	15 m
Louksor (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
Lower Egypt			
Luksor (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
Luqsor (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
Luxor (see Al Uqsur)		25° 41' 00" N 32° 39' 00" E	76 m
Luxor, 16 km NE (see Khayzan)		25° 41' 00" N 32° 24' 00" E	
Luxor, near	ca.	25° 41' 00" N 32° 39' 00" E	
Maadi (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Ma'adi (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Ma'adi al Khabiri (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Ma'âdi el-Khabîri (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Ma'âdi el-Khahîri (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Maadi, 8 mi [=12.8 km] from (see Wadi Digla), 8 mi [=12.8 km] from Maadi (see also: Mount Nimba East)		29° 58' 00" N 31° 18' 00" E	
Madara (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Madinet el Faiyum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Maidum (see Maydum pyramids)		29° 22' 24" N 31° 10' 20" E	11 m
Maidum pyramids (see Maydum pyramids)		29° 22' 24" N 31° 10' 20" E	11 m
Mandisha (see Mandishah) (see also: Bakkari, Minshat al Bakkari, Minshât el-Bakkâri)		28° 21' 00" N 28° 55' 00" E	122 m
Mandishah (see also: Mandisha)		28° 21' 00" N 28° 55' 00" E	122 m
Manzala East		31° 10' 00" N 31° 56' 00" E	
Manzala, lake (see Lake Manzala), 10 mi S Port Said		31° 17' 00" N 32° 18' 00" E	
Maréotis (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Maréotis, SW of lake (see Bu?ayrat Maryut, SW of)	ca.	31° 09' 27" N 29° 54' 16" E	
Mariout, lake (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Mariut, lake (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Marout, lake (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Marsá Matru? (see also: Madara, Matru?, Mersa Matrouh, Mersa Ma?rû?, Mhadara, Paraetonium)		31° 21' 00" N 27° 14' 00" E	40 m
Marsa Matruh, 20 mi [=32 km] W (see also: Mersa Matruh, 20 mi [=32 km] W)		31° 21' 00" N 26° 53' 34" E	
Marsa Matruh, near (see also: Mersa Matruh, near)	ca.	31° 21' 00" N 27° 14' 00" E	
Maryut, lake (see Bu?ayrat Maryut)		31° 09' 27" N 29° 54' 16" E	
Masr (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Masr al-Qadimah (see Misr al Qadimah)		30° 01' 00" N 31° 14' 00" E	16 m
Matru? (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Matruh governorate			
Maydum (see Maydum pyramids)		29° 22' 24" N 31° 10' 20" E	11 m
Maydum pyramids (see also: Maidum, Maidum pyramids, Maydum)		29° 22' 24" N 31° 10' 20" E	11 m
Meadi (see Al Ma‘adi)		29° 58' 00" N 31° 15' 00" E	
Médinat el-Fayoum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Medinat Fayum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Medinet el Fayum (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Menia governate (see Al Minya governorate)			
Menoufia governate (see Al Minufiyah governorate)			
Mersa Matrouh (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Mersa Ma?rû? (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Mersa Matruh, 1 mi [=1.6 km] W (see El Guan)	ca.	31° 22' 00" N 27° 07' 00" E	
Mersa Matruh, 15 mi [=24 km] NW (see Zawyet Umm El Rakham (island), 0.5 mi [=0.8 km])		31° 24' 00" N 27° 03' 00" E	
Mersa Matruh, 20 mi [=32 km] W (see Marsa Matruh, 20 mi [=32 km] W)		31° 21' 00" N 26° 53' 34" E	

Mersa Matruh, 5 mi [=8 km] W (see Al Qasr)		31° 22' 00" N 27° 07' 00" E	20 m
Mersa Matruh, near (see Marsa Matruh, near)	ca.	31° 21' 00" N 27° 14' 00" E	
Mhadara (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Minshat al Bakkari (see Mandisha)		30° 01' 08" N 31° 08' 23" E	
Minshât el-Bakkâri (see Mandisha)		30° 01' 08" N 31° 08' 23" E	
Misr (see Al Qahirah)		30° 03' 00" N 31° 15' 00" E	22 m
Misr al Qadimah (see also: Al-Fustat, El Fostat, El Fustat, Masr al-Qadimah, Old Cairo)		30° 01' 00" N 31° 14' 00" E	16 m
Moeris, Lake (see also: Lake Moeris)		29° 33' 00" N 30° 42' 00" E	
Munsha'at al Bakkari		30° 01' 08" N 31° 08' 23" E	
Mut, 6 km N (see Dakhla Oasis)		25° 29' 00" N 28° 59' 00" E	109 m
Nag Hamadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Nag Hamady (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Nag' Hammadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Nag' Hammadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Nag Hammadi, 16 km S (see Naj' ?ammadi, 16 km S)		25° 54' 00" N 32° 15' 00" E	
Nag Misaw, Abu Simbel East		22° 22' 00" N 31° 42' 00" E	
Naga Hamadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Naj' al Hammadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Naj' al ?ammadi (see Naj' ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Naj' ?ammadi (see also: Gebel el Hagif, Nag Hamadi, Nag Hamady, Nag' Hammadi, Nag' Hammadi, Naga Hamadi, Naj' al Hammadi, Naj' al ?ammadi)		26° 03' 05" N 32° 14' 19" E	71 m
Naj' ?ammadi, 16 km S (see also: Nag Hammadi, 16 km S)		25° 54' 00" N 32° 15' 00" E	
Nile			
North Egypt			
NorthPC:SS|)			
Nû, 6 km N (see Dakhla Oasis)		25° 29' 00" N 28° 59' 00" E	109 m
Old Cairo (see Misr al Qadimah)		30° 01' 00" N 31° 14' 00" E	16 m
Omboi (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Ombos (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Paraetonium (see Marsá Matru?)		31° 21' 00" N 27° 14' 00" E	40 m
Pharan (see Wa?at Fayran)		28° 43' 07" N 33° 37' 13" E	
PortPC:BS|)			
Port Said, 10 mi [=16 km] S (see Lake Manzala)		31° 17' 00" N 32° 18' 00" E	
Port Said, 8 km S	ca.	31° 17' 00" N 32° 18' 00" E	
Qarun, lake (see Birkat Qarun)		29° 28' 29" N 30° 39' 55" E	
Qattah		22° 43' 00" N 32° 04' 00" E	172 m
QenaPC:QN|)			
Qina governorate (see also: Qena governorate |PC:QN|, Qina governorate |PC:QN|)			
QinaPC:QN|)			
Qosier (see Al Qusayr)		26° 06' 00" N 34° 17' 00" E	0 m
Qosseir (see Al Qusayr)		26° 06' 00" N 34° 17' 00" E	0 m
Queen Hatchipsat Tomb		25° 41' 00" N 32° 39' 00" E	
Queir			
Quseir (see Al Qusayr)		26° 06' 00" N 34° 17' 00" E	0 m
Ras Abu el Darag, Gulf of Suez, Red Sea,		29° 33' 00" N 32° 33' 00" E	
Rashida (see Ar Rashidah)		25° 34' 57" N 28° 56' 28" E	104 m
Red SPC:BA|)			
Rhinocolorum (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Rhinocolura (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Rhinocorura (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Rhinokorura (see Al'Arish)		31° 07' 34" N 33° 48' 07" E	33 m
Rosetta, 8 mi [=12.9 km] SW (see Idfina)		31° 17' 37" N 30° 30' 45" E	1 m
Sacarra pyramids (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Sakhara (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Sakkara (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Sakkara pyramids (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Sakkoura pyramids (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Saqqara (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
?aqqâra (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Saqqara pyramids (see Saqqarah)		29° 51' 00" N 31° 13' 00" E	19 m
Saqqarah (see also: El-'Aiyat, Sacarra pyramids, Sakhara, Sakkara, Sakkara pyramids, Sakkoura pyramids, Saqqara, ?aqqâra, Saqqara pyramids)		29° 51' 00" N 31° 13' 00" E	19 m
Saylah (see Silah)		29° 21' 22" N 30° 58' 08" E	2 m
Seila (see Silah)		29° 21' 22" N 30° 58' 08" E	2 m
Shak Shouk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Shakshouk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	

Shakshuk		29° 27' 46" N 30° 42' 26" E	
(see also: Al Wayet Shakshuk, Al-Wayet Shakshuk, El Wâyet Shakshuk, Shak Shouk, Shakshouk, Shakshuk)			
Shakshuk (see Shakshuk)		29° 27' 46" N 30° 42' 26" E	
Shamal Sina' governorate			
(see also: North Sinai governorate |PC:SS|, Shamal Sina governorate |PC:SS|)			
ShamaPC:SS|)			
SharkPC:SQ|)			
Sharqiya (see Barr el-Sharqiya)		31° 00' 55" N 32° 03' 45" E	
Shedit (see Al Fayyum)		29° 18' 28" N 30° 50' 24" E	39 m
Shenhour		29° 21' 00" N 30° 58' 00" E	
Silah		29° 21' 22" N 30° 58' 08" E	2 m
(see also: Saylah, Seila)			
Simbilawein (see As Sinbillawayn)		30° 52' 55" N 31° 27' 47" E	11 m
Simbilawein, 5 mi [=8 km] W (see As Sinbillawayn, 5 mi [=8 km] W)	ca.	30° 53' 00" N 31° 28' 00" E	
Simbillawein (see As Sinbillawayn)		30° 52' 55" N 31° 27' 47" E	11 m
Sinai	ca.	29° 30' 00" N 34° 00' 00" E	
Sinnuris		29° 25' 00" N 30° 52' 00" E	17 m
Siuah (see Siwah)		29° 12' 00" N 25° 31' 00" E	-1 m
Siwa Oasis (see Siwah)		29° 12' 00" N 25° 31' 00" E	-1 m
Siwah		29° 12' 00" N 25° 31' 00" E	-1 m
(see also: Siuah, Siwa Oasis, Siwe)			
Siwe (see Siwah)		29° 12' 00" N 25° 31' 00" E	-1 m
SouthPC:JS|)			
southern Egypt			
Suës (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Suez (see As Suways)		29° 58' 00" N 32° 33' 00" E	2 m
Suez area		29° 58' 00" N 32° 33' 00" E	
SuezPC:SW|)			
Suez, Isthmus (see Isthmus of Suez)		30° 30' 00" N 32° 15' 00" E	
Suhaj governorate			
(see also: Suhaj governorate |PC:SJ|)			
SuhajPC:SJ|)			
Sultan Hassan Mosque, Cairo	ca.	30° 03' 00" N 31° 15' 00" E	
Sultan Mahmud Mosque, Cairo		30° 03' 00" N 31° 15' 00" E	
Syena (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Syene (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Syeue (see Aswan)		24° 05' 15" N 32° 53' 56" E	85 m
Temple of Hibis (see El Wadi El Gedid governorate)		25° 26' 00" N 30° 33' 00" E	32 m
Tentyra (see Dandarah)		26° 10' 09" N 32° 39' 19" E	67 m
Thebe (see Thebes)		25° 41' 59" N 32° 34' 55" E	
Thebes, near Luxor		25° 41' 59" N 32° 34' 55" E	
(see also: Thebe)			
Thur (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
Tor (see At Tur)		28° 14' 14" N 33° 36' 50" E	17 m
Tora		29° 56' 00" N 31° 16' 00" E	
Um Hashiba (see Jebel Um Hashiba)		30° 16' 44" N 33° 04' 57" E	
Umbu (see Kawn Umbu)		24° 28' 45" N 32° 56' 37" E	109 m
Upper Egypt			
Urban governorates			
Urgada (see Al Ghardaqah)		27° 08' 00" N 33° 50' 00" E	
Valley of the Kings, Luxor		25° 44' 00" N 32° 36' 00" E	
Wadi an Natrun		30° 25' 00" N 30° 13' 00" E	
(see also: Wadi El Natroun, Wadi el Natrûn , Wadi en Natrun , Wadi Natroen, Wadi Natroon, Wadi Natrun, Wadi Netroon)			
Wadi Digla, 8 mi [=12.8 km] from Maadi		29° 58' 00" N 31° 18' 00" E	
(see also: Al Ma'adi, 8 mi [=12.8 km] from, Maadi, 8 mi [=12.8 km] from)			
Wadi El Feiran (see Wa?at Fayran)		28° 43' 07" N 33° 37' 13" E	
Wâdi el Khudara (see Wadi Khu?rah)		29° 30' 46" N 34° 03' 25" E	
Wadi El Natroun (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi el Natrûn (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi El Qreiya		26° 20' 00" N 32° 46' 00" E	
Wadi en Natrun (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi Faran (see Wadi Fayran)		28° 40' 27" N 33° 15' 26" E	
Wadi Fayran		28° 40' 27" N 33° 15' 26" E	
(see also: Fairan, Wadi Faran, Wadi Feiran, Wadi Firan)			
Wadi Feiran (see Wadi Fayran)		28° 40' 27" N 33° 15' 26" E	
Wadi Firan (see Wadi Fayran)		28° 40' 27" N 33° 15' 26" E	
Wadi Gharandal			

Wadi ?awf		29° 53' 00" N 31° 18' 00" E	
(see also: Wâdi ?ôf)			
Wâdi ?ôf (see Wadi ?awf)		29° 53' 00" N 31° 18' 00" E	
(see also: Wâdi Umm 'Iliq)			
Wâdi Khu?ara (see Wadi Khu?rah)		29° 30' 46" N 34° 03' 25" E	
Wadi Khu?rah		29° 30' 46" N 34° 03' 25" E	
(see also: Ain Hudra, Ain Khudra, Ein Khudra, Wâdi el Khudara, Wâdi Khu?ara)			
Wadi Natroen (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi Natroon (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi Natrun (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wadi Natrun, 12 mi W	ca.	30° 03' 00" N 31° 15' 00" E	
Wadi Netroon			
Wadi Netroon (see Wadi an Natrun)		30° 25' 00" N 30° 13' 00" E	
Wâdi Umm 'Iliq (see Wâdi ?ôf)		29° 53' 00" N 31° 18' 00" E	
Wa?at Fayran		28° 43' 07" N 33° 37' 13" E	
(see also: Feiran Oasis, Pharan , Wadi El Feiran, Wa?at Firan)			
Wa?at Firan (see Wa?at Fayran)		28° 43' 07" N 33° 37' 13" E	
Wardan		30° 19' 00" N 30° 54' 00" E	7 m
West Bank, Valley of the Kings, Tomb of Hutschepsut, near Luxor	ca.	25° 41' 00" N 32° 39' 00" E	
Zawiyat Umm ar Rakham		31° 24' 00" N 27° 03' 00" E	5 m
(see also: Zawiyet Umm el Rakham, Zâwyet Umm el Rakham)			
Zawiyet Umm el Rakham (see Zawiyat Umm ar Rakham)		31° 24' 00" N 27° 03' 00" E	5 m
Zawyet Umm El Rakham (island), 0.5 mi [=0.8 km], 15 mi NW Mersa Matruh		31° 24' 00" N 27° 03' 00" E	
(see also: Mersa Matruh, 15 mi [=24 km] NW)			
Zâwyet Umm el Rakham (see Zawiyat Umm ar Rakham)		31° 24' 00" N 27° 03' 00" E	5 m
Zokila		30° 03' 00" N 31° 15' 00" E	
Zokilo cave, 12 mi W Wadi Natrun	ca.	30° 03' 00" N 31° 15' 00" E	

Equatorial Guinea:

Abonisi, Aã'Isoc			
Acoaesakira, 3 km on Nsork to Akum road		1° 06' 32" N 11° 15' 27" E	511 m
(see also: Acoesakira, Akosakira, Nsork to Akum road, km 3)			
Acoc and Micomeseng, between	ca.	2° 05' 00" N 10° 54' 00" E	
Acocseng and Aconibe, between (see Nzas cave)	ca.	1° 18' 35" N 10° 58' 17" E	
Acoesakira (see Acoaesakira), 3 km on Nsork to Akom road		1° 06' 32" N 11° 15' 27" E	511 m
Adurelan (see Adurelang)		1° 58' 05" N 11° 12' 18" E	508 m
Adurelang, near Ebebiying ?		1° 58' 05" N 11° 12' 18" E	508 m
(see also: Adurelan)			
Akaloyong, 20 km N (see Bonobono)		1° 14' 43" N 9° 37' 10" E	508 m
Akoko River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Akosakira (see Acoaesakira)		1° 06' 32" N 11° 15' 27" E	511 m
Akurinam, 10 km from Ayasong			
(see also: Ayasong, 10 km from)			
Alosa, near Niefang	ca.	1° 51' 00" N 10° 14' 00" E	400 m
(see also: Finca Bartolomé)			
Alosa, forest exploitation near	ca.	1° 51' 00" N 10° 14' 00" E	400 m
Aman, 10 km from Bata, on road to Mbini		1° 46' 18" N 9° 46' 32" E	592 m
(see also: Bata, 10 km from, on road to Mbini)			
Ambo (see Palé)		1° 24' 25" S 5° 38' 00" E	0 m
Aninzok (see Anisoc)		1° 36' 00" N 10° 04' 00" E	
Aninzok, 4 km W (see Anisoc)	ca.	1° 36' 00" N 10° 04' 00" E	
Anisoc		1° 36' 00" N 10° 04' 00" E	
(see also: Aninzok, Aninzok, 4 km W)			
Anisoc, 4 km W	ca.	1° 36' 00" N 10° 04' 00" E	
Annobon	ca.	1° 26' 00" S 5° 38' 00" E	
Annobón (see Palé)		1° 24' 25" S 5° 38' 00" E	0 m
Annobon Airport		1° 24' 32" N 5° 37' 22" E	
Annobon province			
Apú River (see Río Apú), 21 km on Malabo to Luba road	ca.	3° 31' 15" N 8° 35' 23" E	
Arroyo Bicaba	ca.	1° 47' 32" N 10° 14' 37" E	
(see also: Bicaba River, Río Bicaba)			
Arroyo Mikémele	ca.	1° 34' 35" N 10° 04' 43" E	
(see also: Mikémele River, Río Mikémele)			
Arroyo Nbuba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Arroyo Ntugu, near Acocseng, Aconibe	ca.	1° 27' 01" N 11° 04' 02" E	
(see also: Ntugu River, Río Ntugu)			
Asonga, near Bata		1° 51' 00" N 9° 49' 00" E	0 m

Asonga - Bata road	ca.	1° 51' 38" N 9° 48' 00" E	
Asonga, 1 km from	ca.	1° 51' 38" N 9° 48' 00" E	
Asonga, near	ca.	1° 51' 00" N 9° 49' 00" E	
Attogondama			
Ayamiken		2° 06' 41" N 10° 01' 20" E	290 m
(see also: Aya'miteng)			
Aya'miteng (see Ayamiken)		2° 06' 41" N 10° 01' 20" E	290 m
Ayasong, 10 km from (see Akurinam)			
Aye river delta	ca.	1° 21' 03" N 9° 27' 45" E	
Aye River, mouth (see Río Ayé, mouth)		1° 21' 03" N 9° 27' 45" E	
Ayene, near Mongomo		1° 31' 23" N 11° 03' 18" E	508 m
Bacipú (see Basupú)		3° 44' 00" N 8° 49' 00" E	154 m
Bahía de Luba		3° 29' 11" N 8° 33' 51" E	
(see also: Luba Bay)			
Bajo Puente Sobre Riachuelo, 3 km on the Malabo - Riaba road	ca.	3° 44' 03" N 8° 50' 00" E	
Balelipa (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Banapa		1° 05' 00" N 9° 42' 00" E	115 m
Baney (see Santiago de Baney), Eolá River, Patio Vivancos		3° 41' 57" N 8° 54' 30" E	252 m
(see also: Eolá River, Río Eolá)			
Banlesbeni			
Bantabaré cave		3° 19' 33" N 8° 34' 29" E	
Bany (see Santiago de Baney)		3° 41' 57" N 8° 54' 30" E	252 m
Basacato (see Basacato del Oeste)		3° 35' 27" N 8° 37' 24" E	252 m
Basacato del Oeste		3° 35' 27" N 8° 37' 24" E	252 m
(see also: Basacato, Basakato, Cueva Bosacato)			
Basakato (see Basacato del Oeste)		3° 35' 27" N 8° 37' 24" E	252 m
Basapu (see Basupú)		3° 43' 00" N 8° 41' 04" E	112 m
Basilé Radio (see Basilé village)		3° 41' 39" N 8° 48' 13" E	572 m
Basilé village		3° 41' 39" N 8° 48' 13" E	572 m
(see also: Basilé Radio, Rasilé)			
Basipu (see Basupú)		3° 44' 00" N 8° 49' 00" E	154 m
Basoalo (see Basuala)		3° 38' 00" N 8° 56' 00" E	0 m
Basuala		3° 38' 00" N 8° 56' 00" E	0 m
(see also: Basoalo)			
Basupí Fiston (see Basupú)		3° 44' 00" N 8° 49' 00" E	154 m
Basupú		3° 44' 00" N 8° 49' 00" E	154 m
(see also: Bacipú, Basipu, Basupí Fiston, Fish Town, Fishtown)			
Basupú, km 10 on Malabo - Luba road		3° 43' 00" N 8° 41' 04" E	112 m
(see also: Basapu, Basupú del Oeste, Malabo to Luba road, km 10)			
Basupú del Oeste (see Basupú)		3° 43' 00" N 8° 41' 04" E	112 m
Basupú river (see Río Basupú)	ca.	3° 43' 00" N 8° 41' 04" E	
Bata		1° 51' 00" N 9° 45' 00" E	
(see also: Exfosa, Kokapipa, La Salle, Mbangan (district), Praderas Asonga, San Pedro de Lea (district))			
Bata - Ayamiken road, km 25, Ngongo river?	ca.	1° 59' 00" N 9° 55' 00" E	
Bata - Enbia road	ca.	1° 51' 00" N 9° 49' 00" E	
Bata International Airport		1° 54' 00" N 9° 48' 00" E	
Bata to Ayamiken road, km 25 /35 (see Río Ngomo)	ca.	2° 04' 03" N 9° 58' 26" E	
Bata to Niefang road, km 3	ca.	1° 51' 22" N 9° 51' 38" E	
Bata, 10 km from, on road to Mbini (see Aman)		1° 46' 18" N 9° 46' 32" E	592 m
Bata, 22 km from (see Nsing)			
Bata, 30 km S (see Micomibe)		1° 39' 47" N 9° 42' 57" E	508 m
Bata, aledores de la ciudad (see Bata, outskirts)	ca.	1° 51' 00" N 9° 45' 00" E	
Bata, outskirts	ca.	1° 51' 00" N 9° 45' 00" E	
(see also: Bata, aledores de la ciudad)			
Batete, near Luba		3° 26' 36" N 8° 30' 18" E	285 m
(see also: Claret de Batete)			
Beayop, Loo River / Mikenle River, Micomeseng		2° 09' 04" N 10° 48' 37" E	337 m
Belebu and Ureka, between (see Caldera de San Carlos Scientific Reserve)	ca.	3° 20' 00" N 8° 34' 00" E	
Belelipa (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Belépipa (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Beletipa (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Benito (see Mbini)		1° 35' 00" N 9° 37' 00" E	343 m
Benito River	ca.	1° 36' 00" N 9° 37' 00" E	
Benito River Forest station			
Benito River, 15 mi [=24 km] from mouth	ca.	1° 36' 00" N 9° 37' 00" E	
Benito River, 30 mi [=48 km] from mouth		1° 36' 00" N 10° 03' 12" E	76 m
Beoken Noja (see Noya river)			
Besabeba		2° 02' 52" N 10° 13' 04" E	252 m
Betelipa (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m

Biaó, lake (see Lago de Biaó)		3° 21' 26" N 8° 37' 32" E	
Bicaba River (see Arroyo Bicaba)	ca.	1° 47' 32" N 10° 14' 37" E	
Bicomo, near Bata		1° 47' 31" N 9° 52' 16" E	615 m
(see also: Micomo)			
Bicomo, near	ca.	1° 47' 31" N 9° 52' 16" E	
Bilelepá (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Bilelepe (see Bilelipa)		3° 29' 00" N 8° 48' 00" E	215 m
Bilelifri			
Bilelipa		3° 29' 00" N 8° 48' 00" E	215 m
(see also: Balelipa, Belelipa, Belépipa, Beletipa, Betelipa, Bilelepá, Bilelepe)			
Bioko island		3° 30' 00" N 8° 42' 00" E	
(see also: Fernando Po, Fernando Poo, Macas Nguema)			
Bioko Norte province			
Bioko Sur province			
Boara River (see Río Boara)		1° 47' 34" N 9° 45' 39" E	
Bofondo (see Bolondo)		1° 37' 00" N 9° 37' 00" E	343 m
Bolondo		1° 37' 00" N 9° 37' 00" E	343 m
(see also: Bofondo)			
Bome, near Bata		1° 47' 15" N 9° 44' 05" E	
Bome, 10 km from	ca.	1° 47' 00" N 9° 44' 00" E	
Bonobono, 20 km N Akaloyong		1° 14' 43" N 9° 37' 10" E	508 m
(see also: Akaloyong, 20 km N)			
Borabuopé River (see Río Borabuopé)	ca.	3° 45' 00" N 8° 52' 00" E	
Borg, mount (see Mokula)		1° 53' 00" N 10° 17' 00" E	
Bosao river (see Río Bosao)	ca.	3° 31' 51" N 8° 35' 58" E	
Boshao river (see Río Bosao)	ca.	3° 31' 51" N 8° 35' 58" E	
Boshaoiefang River (see Río Bosao)	ca.	3° 31' 51" N 8° 35' 58" E	
Bualabá River (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Bualala River (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Buara River (see Río Boara)		1° 47' 34" N 9° 45' 39" E	
Bubi Town		3° 29' 00" N 8° 50' 00" E	
Cacahual		3° 46' 45" N 8° 43' 36" E	
Caldera de San Carlos Scientific Reserve	ca.	3° 20' 00" N 8° 34' 00" E	
(see also: Belebu and Ureka, between, Reserva cientifica de la Caldera de San Carlos)			
Callado Monte Alen, Limite Evinayong Niefang		1° 51' 00" N 10° 07' 00" E	400 m
Caracolas		3° 44' 59" N 8° 46' 13" E	
Cascada Nguelensok, near (see Nguelensok cascade, near)			
Centro Sur province			
Ciudad de Ela Nguema, near Malabo		3° 45' 00" N 8° 47' 00" E	107 m
(see also: Ela Nguema, Ela Nguena, Elan - Guema, Elanguena, San Fernando)			
Ciudad de Luba (see Luba)		3° 27' 24" N 8° 33' 17" E	181 m
Ciudad de Malabo (see Malabo)		3° 45' 04" N 8° 44' 31" E	0 m
Ciudad de Pali (see Palé)		1° 24' 25" S 5° 38' 00" E	0 m
Ciudad de Riaba		3° 22' 58" N 8° 45' 44" E	104 m
(see also: Concepcion, La Concepcion, La Conception, Riaba)			
Claret de Batete (see Batete)		3° 26' 36" N 8° 30' 18" E	285 m
Cocorico River (see Río Ericorico)	ca.	3° 44' 10" N 8° 49' 34" E	
Concepcion (see Ciudad de Riaba)		3° 22' 58" N 8° 45' 44" E	104 m
Continental region			
Corisco island		0° 54' 57" N 9° 19' 06" E	
(see also: Isla de Corisco, Isla Mandyi)			
Covadonga		0° 53' 52" N 9° 18' 42" E	ca. 508 m
Covadonga, near	ca.	0° 53' 52" N 9° 18' 42" E	ca. 508 m
Ctra Evinayong - Aconibe (see Evinayong - Aconibe, between)	ca.	1° 19' 00" N 10° 45' 00" E	
Cueva Bosacato (see Basacato del Oeste)		3° 35' 27" N 8° 37' 24" E	252 m
Cueva de Esong (see Moka)	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Cueva de Ndume (see Ndume cave)	ca.	1° 18' 20" N 11° 16' 44" E	
Cueva de Ndumu (see Ndume cave)	ca.	1° 18' 20" N 11° 16' 44" E	
Cueva de Ndumun (see Ndume cave), 35 km from Nsork	ca.	1° 18' 20" N 11° 16' 44" E	
Cueva Moro (see Moka)	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Cueva Nzas (see Nzas cave)	ca.	1° 18' 35" N 10° 58' 17" E	
Cugu River (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Dede, Aã'Isok; confluence Río Uoro			
Djibloho province			
Ebalowa, between Evinayong and Niefang	ca.	1° 35' 37" N 10° 20' 05" E	400 m
Ebinayon (see Evinayong)		1° 26' 12" N 10° 33' 04" E	628 m
Ebinayong (see Evinayong)		1° 26' 12" N 10° 33' 04" E	628 m
Ebineyon (see Evinayong)		1° 26' 12" N 10° 33' 04" E	628 m
Ebinoyon (see Evinayong)		1° 26' 12" N 10° 33' 04" E	628 m

Ecuco River (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Ecucu		1° 50' 00" N 9° 45' 00" E	548 m
(see also: Ekuku, Etiani's, Etiany)			
Ecucu River (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Ekododo	ca.	0° 56' 00" N 9° 58' 00" E	
Ekuko River (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Ekuku (see Ecucu)		1° 50' 00" N 9° 45' 00" E	548 m
Ekuku River (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Ela Nguema (see Ciudad de Ela Nguema)		3° 45' 00" N 8° 47' 00" E	107 m
Ela Nguena (see Ciudad de Ela Nguema)		3° 45' 00" N 8° 47' 00" E	107 m
Elan - Guema (see Ciudad de Ela Nguema)		3° 45' 00" N 8° 47' 00" E	107 m
Elanguena (see Ciudad de Ela Nguema)		3° 45' 00" N 8° 47' 00" E	107 m
Elgorriaga Farm, Rió Boshao		3° 41' 28" N 8° 39' 15" E	
Elloby			
Encure			
Engong, near Río Lobo, Evinayong		1° 53' 00" N 10° 17' 00" E	325 m
Ensorc (see Nsok)		1° 07' 47" N 11° 15' 58" E	545 m
Envuba River (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Eolá River (see Baney)		3° 41' 57" N 8° 54' 30" E	252 m
Equatorial Guinea			
Ericorico river (see Río Ericorico), 3 km on Malabo - Riaba road	ca.	3° 44' 10" N 8° 49' 34" E	
Esong cave (see Moka), near Evinayong - Niefang road	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Etiani's (see Ecucu)		1° 50' 00" N 9° 45' 00" E	548 m
Etiany (see Ecucu)		1° 50' 00" N 9° 45' 00" E	548 m
Etom		1° 19' 06" N 10° 51' 15" E	582 m
Evinayong		1° 26' 12" N 10° 33' 04" E	628 m
(see also: Ebinayon, Ebinayong, Ebineyon, Ebinoyon)			
Evinayong - Aconibe, between	ca.	1° 19' 00" N 10° 45' 00" E	
(see also: Ctra Evinayong - Aconibe)			
Evinayong to Aconibe road, km 23 (see Noayong)		1° 22' 13" N 10° 42' 00" E	571 m
Evinayong, agricultural extension	ca.	1° 43' 00" N 10° 11' 00" E	
Evoardulu		1° 33' 29" N 10° 52' 00" E	508 m
(see also: Evodulo)			
Evodulo (see Evoardulu)		1° 33' 29" N 10° 52' 00" E	508 m
Evuenam		1° 29' 00" N 9° 47' 00" E	469 m
(see also: Evuennam)			
Evuennam (see Evuenam)		1° 29' 00" N 9° 47' 00" E	469 m
Exfosa (see Bata)		1° 51' 00" N 9° 45' 00" E	
Fernando Po (see Bioko island)		3° 30' 00" N 8° 42' 00" E	
Fernando Poo (see Bioko island)		3° 29' 39" N 8° 42' 06" E	
Finca Bartolomé (see Alosa)	ca.	1° 51' 00" N 10° 14' 00" E	400 m
Finca de Mayo (see Mallo and Mora, farm)		3° 45' 00" N 8° 50' 00" E	
Finca de Mora (see Mallo and Mora, farm)		3° 45' 00" N 8° 50' 00" E	
Finca Los Cocos, near Bata	ca.	1° 50' 00" N 9° 45' 00" E	
Finca Mallo (see Mallo and Mora, farm)		3° 45' 00" N 8° 50' 00" E	
Finca Mayo (see Mallo and Mora, farm), Borapuope River; on Malabo to Riaba road		3° 45' 00" N 8° 50' 00" E	
Finca Mora (see Mallo and Mora, farm)		3° 45' 00" N 8° 50' 00" E	
Finca Niefang (see Sevilla de Niefang)		1° 50' 36" N 10° 13' 59" E	
Fish Town (see Basupú)		3° 44' 00" N 8° 49' 00" E	154 m
Fishtown (see Basupú)		3° 44' 00" N 8° 49' 00" E	154 m
Grande River (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Hacienda Ukomba, near Bata	ca.	1° 50' 00" N 9° 45' 00" E	
(see also: Ukomba)			
Hotel Media Luna, near Bata International Airport	ca.	1° 54' 00" N 9° 48' 00" E	
Iladyi (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Insular region			
Isla de Corisco (see Corisco island)		0° 54' 57" N 9° 19' 06" E	
Isla Mandyi (see Corisco island)		0° 54' 57" N 9° 19' 06" E	
Kié-Ntem province			
Kokapipa (see Bata)		1° 51' 00" N 9° 45' 00" E	
La Concepcion (see Ciudad de Riaba)		3° 22' 58" N 8° 45' 44" E	104 m
La Conception (see Ciudad de Riaba)		3° 22' 58" N 8° 45' 44" E	104 m
La Salle (see Bata)		1° 51' 00" N 9° 45' 00" E	
Lago de Biaó, near Moka		3° 21' 26" N 8° 37' 32" E	
(see also: Biaó, lake, Lago Moko, Laguna Moka, Lake Biao)			
Lago Moko (see Lago de Biaó)		3° 21' 26" N 8° 37' 32" E	
Laguna Moka (see Lago de Biaó)		3° 21' 26" N 8° 37' 32" E	
Laka-Baney (see Santiago de Baney)		3° 41' 57" N 8° 54' 30" E	252 m
Lake Biao (see Lago de Biaó)		3° 21' 26" N 8° 37' 32" E	
Litoral province			
Lobo river	ca.	3° 20' 00" N 8° 40' 00" E	
Lopesa River (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E	

Lopese River (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E	
Lopesi River (see Río Lopese), near Malabo	ca.	3° 43' 41" N 8° 40' 51" E	
Lopesse River (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E	
Luba		3° 27' 24" N 8° 33' 17" E	181 m
(see also: Ciudad de Luba, San Carlos, San Carlos de Lubá)			
Luba Bay (see Bahía de Luba)		3° 29' 11" N 8° 33' 51" E	
Luba to Malabo road			
Luba to Malabo road, km 14	ca.	3° 34' 00" N 8° 37' 00" E	
Luba, 3 km from	ca.	3° 27' 24" N 8° 33' 17" E	
Luba, near	ca.	3° 27' 24" N 8° 33' 17" E	
Macas Nguema (see Bioko island)		3° 30' 00" N 8° 42' 00" E	
Malaba (see Malabo)		3° 45' 04" N 8° 44' 31" E	0 m
Malabo		3° 45' 04" N 8° 44' 31" E	0 m
(see also: Ciudad de Malabo, Malaba, Port Clarence, Rev Malebo, Santa Isabel)			
Malabo International Airport (10 km from Malabo)		3° 45' 28" N 8° 42' 57" E	0 m
Malabo International Airport (6 km from Malabo)		3° 45' 28" N 8° 42' 57" E	
Malabo International Airport (7 km from Malabo)	ca.	3° 45' 28" N 8° 42' 57" E	
Malabo to Basilé road, km 1	ca.	3° 43' 00" N 8° 47' 00" E	
Malabo to Luba road, km 10 (see Basupú)		3° 43' 00" N 8° 41' 04" E	112 m
Malabo to Luba road, km 13	ca.	3° 40' 58" N 8° 39' 17" E	
Malabo to Luba road, km 15	ca.	3° 39' 30" N 8° 38' 33" E	
Malabo to Luba road, km 20 (see Río Bosao), Rio Apu	ca.	3° 31' 51" N 8° 35' 58" E	
Malabo to Luba road, km 21 (see Río Apú)	ca.	3° 31' 15" N 8° 35' 23" E	
Malabo to Luba road, km 3 (see Río Timbabé)	ca.	3° 44' 11" N 8° 45' 09" E	
Malabo to Luba road, km 40	ca.	3° 32' 43" N 8° 36' 12" E	
Malabo to Luba road, km 42	ca.	3° 32' 43" N 8° 36' 12" E	
Malabo to Luba road, km 5 (see Vievenda de Mera, plantation)		3° 43' 00" N 8° 44' 00" E	
Malabo to Riaba road			
Malabo to Riaba road, km 1	ca.	3° 44' 41" N 8° 48' 43" E	
Malabo to Riaba road, km 10	ca.	3° 41' 52" N 8° 54' 00" E	
Malabo to Riaba road, km 14	ca.	3° 40' 30" N 8° 54' 40" E	
Malabo to Riaba road, km 2	ca.	3° 44' 09" N 8° 49' 40" E	
Malabo to Riaba road, km 3 (see Río Ericorico)	ca.	3° 44' 10" N 8° 49' 34" E	
Malabo to Riaba road, km 4 (see Río Togecha)		3° 45' 00" N 8° 49' 00" E	
Malabo to Riaba road, km 5	ca.	3° 44' 09" N 8° 49' 47" E	
Malabo, Basilé, San Fernando cave		3° 45' 00" N 8° 47' 00" E	107 m
Malabo, ca. 7 km from (see Sampaka river)	ca.	3° 44' 41" N 8° 44' 16" E	
Mallo and Mora, farm, Borabuopé River, near Malabo		3° 45' 00" N 8° 50' 00" E	
(see also: Finca de Mayo, Finca de Mora, Finca Mallo, Finca Mayo, Finca Mora, Mallo plantation, Patio Viuda de Mora)			
Mallo plantation (see Mallo and Mora, farm), Borabuopé river, near Malabo		3° 45' 00" N 8° 50' 00" E	
Matadera river (see Río Matadera)	ca.	3° 44' 00" N 8° 47' 00" E	
Matadero River (see Río Matadera)	ca.	3° 44' 00" N 8° 47' 00" E	
Mbangan (district) (see Bata)		1° 51' 00" N 9° 45' 00" E	
Mbini		1° 35' 00" N 9° 37' 00" E	343 m
(see also: Benito, Río Benito, San Benito)			
Mbini - Ayasong road, km 3	ca.	1° 35' 31" N 9° 37' 47" E	
M'Boba river (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Mbon River (see Río Mbon)			
Mekomeseng (see Mikomeseng)		2° 08' 10" N 10° 36' 48" E	323 m
Mera, plantation (see Vievenda de Mera, plantation)		3° 43' 00" N 8° 44' 00" E	
Mfaman, near Niefang		1° 54' 55" N 10° 13' 56" E	358 m
(see also: Nfaman)			
Mican, 32 km on the Bata - Niefang road		1° 51' 55" N 9° 58' 51" E	
Micomeseng (see Mikomeseng), Mengui river, Yebecon / Mikemele river ?		2° 08' 10" N 10° 36' 48" E	323 m
Micomeseng and Temelón, between (see Mount Temelón Nature Reserve), Nsua river, Asoc	ca.	2° 02' 00" N 10° 42' 00" E	
Micomibe, 30 km S Bata		1° 39' 47" N 9° 42' 57" E	508 m
(see also: Bata, 30 km S, Mikomibe, Mikonibe)			
Micomo (see Bicomo)		1° 47' 31" N 9° 52' 16" E	615 m
Mikamesen (see Mikomeseng)		2° 08' 10" N 10° 36' 48" E	323 m
Mikémele River		1° 34' 35" N 10° 04' 43" E	
(see also: Rio Mikémele)			
Mikémele River (see Arroyo Mikémele)	ca.	1° 34' 35" N 10° 04' 43" E	
Mikomesen (see Mikomeseng)		2° 08' 10" N 10° 36' 48" E	323 m
Mikomeseng, Menigui river, Yebecon		2° 08' 10" N 10° 36' 48" E	323 m
(see also: Mekomeseng, Micomeseng, Mikamesen, Mikomesen)			
Mikomibe (see Micomibe)		1° 39' 47" N 9° 42' 57" E	508 m
Mikonibe (see Micomibe)		1° 39' 47" N 9° 42' 57" E	508 m

Minkan, near Niefang, on Rio Ekuku	ca.	1° 50' 00" N 10° 07' 00" E	
Miong River (see Río Miong)	ca.	1° 22' 13" N 10° 42' 00" E	
Moca		3° 20' 00" N 8° 40' 00" E	1013 m
(see also: Moka)			
Moka, on/near Rio Lobo, on Evinayong - Niefang road	ca.	1° 34' 00" N 10° 24' 00" E	400 m
(see also: Cueva de Esong, Cueva Moro, Esong cave, Moro cave)			
Moka (see Moca)		3° 20' 00" N 8° 40' 00" E	1013 m
Mokula		1° 02' 47" N 11° 09' 47" E	
(see also: Borg, mount, Uokula)			
Mongomo to Asork [=Nsork] road, km 10	ca.	1° 31' 42" N 11° 18' 03" E	
Mongomo to Ebebiying road, km 10	ca.	1° 41' 38" N 11° 15' 28" E	
Mongomo to Nsoc road, km 35 (see Ndume cave)	ca.	1° 18' 20" N 11° 16' 44" E	
Monte Alen, on Evinayong - Niefan road		1° 40' 00" N 10° 18' 19" E	508 m
Monte Cus (see Monte Cusuzua)		1° 26' 00" S 5° 38' 00" E	
Monte Cusuzua		1° 26' 00" S 5° 38' 00" E	
(see also: Monte Cus)			
Mopobill River (see Río Mopobill)	ca.	3° 44' 00" N 8° 49' 00" E	
Moris River (see Río Moris)	ca.	3° 27' 00" N 8° 33' 00" E	
Moro cave (see Moka)	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Mosoc, near Evinayong			
Mount Borg		1° 53' 00" N 10° 17' 00" E	
Mount Temelón Nature Reserve	ca.	2° 02' 00" N 10° 42' 00" E	
(see also: Micomeseng and Temelón, between, Reserva Natural del Monte Temelón)			
Movo and Bata, between	ca.	1° 48' 23" N 9° 46' 22" E	
Musela (see Musola)		3° 26' 00" N 8° 37' 00" E	437 m
Musola		3° 26' 00" N 8° 37' 00" E	437 m
(see also: Musela)			
Musola River	ca.	3° 26' 00" N 8° 37' 00" E	
Mvom		1° 22' 37" N 11° 13' 07" E	553 m
(see also: Nvom)			
Mvouba river (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Mvuba River (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Mvuva River (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Mwuba river (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Ncomacac, near Yengüe, on Río Bitula		2° 12' 11" N 9° 52' 55" E	
(see also: Ncomakak, Nocomakak)			
Ncomakak (see Ncomacac)		2° 12' 11" N 9° 52' 55" E	
Ncomayos, near Micomiseng		2° 07' 52" N 10° 44' 17" E	366 m
(see also: Ncomoyos)			
Ncomoyos (see Ncomayos)		2° 07' 52" N 10° 44' 17" E	366 m
Ncong River (see Río Ncong)	ca.	1° 08' 00" N 11° 15' 00" E	
Ncumeken (see Ncumekie), on Niefang - Evinayong road		1° 34' 09" N 10° 21' 46" E	561 m
Ncumekie, on Niefang - Evinayong road		1° 34' 09" N 10° 21' 46" E	561 m
(see also: Ncumeken)			
Ndjakom (see San Joaquín de Ndyiacom)		2° 01' 45" N 9° 55' 43" E	547 m
Ndume cave, 35 km on Mongomo to Nsoc road	ca.	1° 18' 20" N 11° 16' 44" E	
(see also: Cueva de Ndume, Cueva de Ndumu, Cueva de Ndumun, Mongomo to Nsoc road, km 35, Ndumu cave)			
Ndumu cave (see Ndume cave)	ca.	1° 18' 20" N 11° 16' 44" E	
Nfaman (see Mfaman)		1° 54' 55" N 10° 13' 56" E	358 m
Ngomo River (see Río Ngomo)	ca.	2° 04' 03" N 9° 58' 26" E	
Nguelensok cascade, near, Poblado Ayebe. Akurenam			
(see also: Cascada Nguelensok, near)			
Niefang - Evinayong, cave near	ca.	1° 43' 00" N 10° 11' 00" E	
Niefang (see Sevilla de Niefang)		1° 50' 36" N 10° 13' 59" E	
Niefang to Evinayong road			
Niefang to Evinayong road, km 40	ca.	1° 34' 22" N 10° 22' 44" E	
Niefang, 5 km from	ca.	1° 50' 36" N 10° 13' 59" E	
Niefang, Forestry Service (see Sevilla de Niefang), Benito River		1° 50' 36" N 10° 13' 59" E	
Nkolentangan			
Noayong, 23 km on Evinayong to Aconibe road		1° 22' 13" N 10° 42' 00" E	571 m
(see also: Evinayong to Aconibe road, km 23, Orillas del Miong)			
Nocomakak (see Ncomacac)		2° 12' 11" N 9° 52' 55" E	
Nocong River (see Río Ncong)	ca.	1° 08' 00" N 11° 15' 00" E	
Noya river			
(see also: Beoken Noja)			
Nsing, 22 km from Bata			
(see also: Bata, 22 km from)			
Nsoc (see Nsok)		1° 07' 47" N 11° 15' 58" E	545 m
Nsok		1° 07' 47" N 11° 15' 58" E	545 m
(see also: Ensorc, Nsoc, Nsorc, Nsork, N'Zork)			

Nsorc (see Nsok)		1° 07' 47" N 11° 15' 58" E	545 m
Nsork (see Nsok)		1° 07' 47" N 11° 15' 58" E	545 m
Nsork to Akum road, km 3 (see Acoaesakira)		1° 06' 32" N 11° 15' 27" E	511 m
Nsork, 23 km from	ca.	1° 08' 00" N 11° 16' 00" E	
Nsua River (see Río Nsua)	ca.	2° 08' 10" N 10° 36' 48" E	
Ntono River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Ntugu River (see Arroyo Ntugu)	ca.	1° 27' 01" N 11° 04' 02" E	
Nvom (see Mvom)		1° 22' 37" N 11° 13' 07" E	553 m
Nvouba river (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Nvuba river, Tributary of Ntem [=Campo] river	ca.	2° 10' 00" N 10° 10' 00" E	
Nvuba River (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Nyacon, near Bata			
Nzas cave, between Acocseng and Aconibe (see also: Acocseng and Aconibe, between, Cueva Nzas)	ca.	1° 18' 35" N 10° 58' 17" E	
N'Zork (see Nsok)		1° 07' 47" N 11° 15' 58" E	545 m
Obamicu		1° 15' 00" N 11° 02' 00" E	539 m
Olende River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Oprocage, farm, near Moba, Luba	ca.	3° 20' 00" N 8° 40' 00" E	1300 m
Orillas del Miong (see Noayong)		1° 22' 13" N 10° 42' 00" E	571 m
Otocon Creek, near (San Joaquin de) Ndyiacon			
Otonde River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Otondo River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Palé (see also: Ambo, Annobón, Ciudad de Pali, San Antonio, San Antonio de Palé)		1° 24' 25" S 5° 38' 00" E	0 m
Patio Viuda de Mora (see Mallo and Mora, farm)		3° 45' 00" N 8° 50' 00" E	
Playa del Caã'On	ca.	0° 54' 57" N 9° 19' 06" E	
Port Clarence (see Malabo)		3° 45' 04" N 8° 44' 31" E	0 m
Praderas Asonga (see Bata)		1° 51' 00" N 9° 45' 00" E	
Punta Lucinda		3° 44' 53" N 8° 40' 45" E	
Rasilé (see Basilé village)		3° 41' 39" N 8° 48' 13" E	572 m
Reserva cientifica de la Caldera de San Carlos (see Caldera de San Carlos Scientific Reserve)	ca.	3° 20' 00" N 8° 34' 00" E	
Reserva Natural del Monte Temelón (see Mount Temelón Nature Reserve)	ca.	2° 02' 00" N 10° 42' 00" E	
Rev Malebo (see Malabo) (see also: Itama mine)		0° 59' 00" S 29° 41' 00" E	0 m
Riaba (see Ciudad de Riaba)		3° 22' 58" N 8° 45' 44" E	104 m
Riaba to Malabo road, km 5 - 6	ca.	3° 28' 00" N 8° 47' 00" E	
Riaba to Malabo road, km 7 - 8	ca.	3° 30' 00" N 8° 48' 00" E	
Riaba, 6 km from	ca.	3° 22' 58" N 8° 45' 44" E	
Riaba, near, Borakurope river	ca.	3° 22' 58" N 8° 45' 44" E	
Río Akoko (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Río Apú, 17 to 21 km on Malabo to Luba road (see also: Apú River, Malabo to Luba road, km 21)	ca.	3° 31' 15" N 8° 35' 23" E	
Río Ayé, mouth (see also: Aye River, mouth)		1° 21' 03" N 9° 27' 45" E	
Río Basupú (see also: Basupú river)	ca.	3° 43' 00" N 8° 41' 04" E	
Río Benito (see Mbini)		1° 35' 00" N 9° 37' 00" E	343 m
Río Bicaba (see Arroyo Bicaba)	ca.	1° 47' 32" N 10° 14' 37" E	
Río Boara, affluent of Río Ecucu (see also: Boara River, Buara River, Río Buara)		1° 47' 34" N 9° 45' 39" E	
Río Borabuopé (see also: Borabuopé River)	ca.	3° 45' 00" N 8° 52' 00" E	
Río Bosao, 18 to 20 km on the Malabo to Luba road (see also: Bosao river, Boshao river, Boshaoiefang River, Malabo to Luba road, km 20, Río Boshao)	ca.	3° 31' 51" N 8° 35' 58" E	
Río Boshao (see Río Bosao)	ca.	3° 31' 51" N 8° 35' 58" E	
Rio Bualabá (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Río Bualala (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E	
Río Buara (see Río Boara)		1° 47' 34" N 9° 45' 39" E	
Rio Cocorico (see Río Ericorico)	ca.	3° 44' 10" N 8° 49' 34" E	
Río Cugu (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Río Ecuco, near Bata (see also: Cugu River, Ecuco River, Ecucu River, Ekuko River, Ekuku River, Río Cugu, Río Ecucu, Río Ekuko, Río Ekuku)		1° 49' 50" N 9° 44' 43" E	
Río Ecucu (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Río Ekuko (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Río Ekuku (see Río Ecuco)		1° 49' 50" N 9° 44' 43" E	
Río Envuba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E	
Río Eolá (see Baney)		3° 41' 57" N 8° 54' 30" E	252 m

Río Ericorico, 3 km on Malabo to Riaba road (see also: Cocorico River, Ericorico river, Malabo to Riaba road, km 3, Rio Cocorico, Rio Ericorico)	ca.	3° 44' 10" N 8° 49' 34" E
Rio Ericorico (see Río Ericorico)	ca.	3° 44' 10" N 8° 49' 34" E
Río Grande, near Riaba (see also: Bualabá River, Bualala River, Grande River, Iladyi, Rio Bualabá, Río Bualala, Río Grande - Río Ruma confluence)	ca.	3° 23' 03" N 8° 44' 16" E
Río Grande - Río Ruma confluence (see Río Grande)	ca.	3° 23' 03" N 8° 44' 16" E
Río Lobo, near Niefang ?	ca.	1° 32' 00" N 10° 23' 00" E
Río Longone	ca.	0° 54' 57" N 9° 19' 06" E
Río Lopesa (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E
Río Lopese (see also: Lopesa River, Lopese River, Lopesi River, Lopesse River, Río Lopesa, Río Lopesi, Río Lopesse)	ca.	3° 43' 41" N 8° 40' 51" E
Río Lopesi (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E
Río Lopesse (see Río Lopese)	ca.	3° 43' 41" N 8° 40' 51" E
Río Matadera, near Malabo (see also: Matadera river, Matadero River, Río Matadero)	ca.	3° 44' 00" N 8° 47' 00" E
Río Matadero	ca.	3° 45' 00" N 8° 47' 00" E
Río Matadero (see Río Matadera), near Ela Nguena	ca.	3° 44' 00" N 8° 47' 00" E
Río Mbon, near Monte Alen (see also: Mbon River)		
Río Mikémele (see Arroyo Mikémele)	ca.	1° 34' 35" N 10° 04' 43" E
Rio Mikémele (see Mikémele River)	ca.	1° 34' 35" N 10° 04' 43" E
Río Miong, on road from Noayong to Evinayong (see also: Miong River)	ca.	1° 22' 13" N 10° 42' 00" E
Río Mopobill, NW Bioko, 7 km from the airport (see also: Mopobill River)	ca.	3° 44' 00" N 8° 49' 00" E
Río Moris, near Luba (see also: Moris River)	ca.	3° 27' 00" N 8° 33' 00" E
Río Mvouba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E
Río Mvuba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E
Río Mvuva (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E
Río Mwuba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E
Río Ncong (see also: Ncong River, Nocong River, Río Nocong)	ca.	1° 08' 00" N 11° 15' 00" E
Río Ngomo, km 25 / 35 on Bata to Ayamiken road (see also: Bata to Ayamiken road, km 25 /35, Ngomo River)	ca.	2° 04' 03" N 9° 58' 26" E
Río Nocong (see Río Ncong)	ca.	1° 08' 00" N 11° 15' 00" E
Río Nsua, near Micomiseng - Temelon road? (see also: Nsua River)	ca.	2° 08' 10" N 10° 36' 48" E
Río Ntono (see Río Utonde)		1° 56' 36" N 9° 48' 41" E
Río Ntugu (see Arroyo Ntugu)	ca.	1° 27' 01" N 11° 04' 02" E
Río Nvouba (see Río Nvuba)	ca.	2° 10' 00" N 10° 10' 00" E
Río Nvuba (see also: Arroyo Nbuba, Envuba River, M'Boba river, Mvouba river, Mvuba River, Mvuva River, Mwuba river, Nvouba river, Nvuba River, Río Envuba, Río Mvouba, Río Mvuba, Río Mvuva, Río Mwuba, Río Nvouba)	ca.	2° 10' 00" N 10° 10' 00" E
Río Olende (see Río Utonde)		1° 56' 36" N 9° 48' 41" E
Río Otonde (see Río Utonde)		1° 56' 36" N 9° 48' 41" E
Río Otondo (see Río Utonde)		1° 56' 36" N 9° 48' 41" E
Río Sampaca (see Sampaka river), ca 7 km from Malabo	ca.	3° 44' 41" N 8° 44' 16" E
Rio Sampaka (see Sampaka river), ca. 7 km from Malabo	ca.	3° 44' 41" N 8° 44' 16" E
Río Timbabé, 3 to 5 km on Malabo to Luba road (see also: Malabo to Luba road, km 3, Timbabé River)	ca.	3° 44' 11" N 8° 45' 09" E
Río Togecha, mk 4 on Malabo to Riaba road (see also: Malabo to Riaba road, km 4, Togecha River)		3° 45' 00" N 8° 49' 00" E
Río Utonde, near Bata (see also: Akoko River, Ntono River, Olende River, Otonde River, Otondo River, Río Akoko, Río Ntono, Río Olende, Río Otonde, Río Otondo, Río Utonde, banks, Río Utondo, Utonde River, Utondo River)		1° 56' 36" N 9° 48' 41" E
Río Utonde, banks (see Río Utonde)		1° 56' 36" N 9° 48' 41" E
Río Utondo (see Río Utonde)		1° 56' 36" N 9° 48' 41" E
Río Voro, affluent of Río Ecucu, Bat (see also: Voro River)		

Riusaka	ca.	3° 26' 07" N 8° 39' 21" E	
Sácriba		3° 42' 00" N 8° 43' 00" E	
Sampaka river, ca 7 km from Malabo (see also: Malabo, ca. 7 km from, Río Sampaca, Rio Sampaka)	ca.	3° 44' 41" N 8° 44' 16" E	
Sampoca		3° 43' 20" N 8° 44' 54" E	
San Antonio (see Palé)		1° 24' 25" S 5° 38' 00" E	0 m
San Antonio de Palé (see Palé)		1° 24' 25" S 5° 38' 00" E	0 m
San Antonio de Ureca (see also: San Antonio de Ureka, Ureca, Ureka, Urekd)		3° 15' 08" N 8° 35' 06" E	
San Antonio de Ureka (see San Antonio de Ureca)		3° 15' 08" N 8° 35' 06" E	
San Benito (see Mbini)		1° 35' 00" N 9° 37' 00" E	343 m
San Carlos (see Luba)		3° 27' 24" N 8° 33' 17" E	181 m
San Carlos de Lubá (see Luba)		3° 27' 24" N 8° 33' 17" E	181 m
San Fernando (see Ciudad de Ela Nguema)		3° 45' 00" N 8° 47' 00" E	107 m
San Joaquín de Ndyiacom (see also: Ndjakom)		2° 01' 45" N 9° 55' 43" E	547 m
San Joaquín de Ndyiacom to Ayamiken road	ca.	2° 01' 45" N 9° 55' 43" E	
San Juan		1° 25' 00" S 5° 38' 00" E	0 m
San Pedro		1° 26' 04" S 5° 39' 06" E	0 m
San Pedro de Lea (district) (see Bata)		1° 51' 00" N 9° 45' 00" E	
Santa Cruz de Nviayong, Ndubu river			
Santa Isabel (see Malabo)		3° 45' 04" N 8° 44' 31" E	0 m
Santiago de Baney, at 100 m from the banks of the Eola river (see also: Baney, Bany, Laka-Baney)		3° 41' 57" N 8° 54' 30" E	252 m
Sevilla de Niefang (see also: Finca Niefang, Niefang, Niefang, Forestry Service)		1° 50' 36" N 10° 13' 59" E	
Timbabé River (see Río Timbabé)	ca.	3° 44' 11" N 8° 45' 09" E	
Togecha River (see Río Togecha)		3° 45' 00" N 8° 49' 00" E	
Ukomba (see Hacienda Ukomba), near Bata	ca.	1° 50' 00" N 9° 45' 00" E	
Uokula (see Mokula)		1° 02' 47" N 11° 09' 47" E	
Ureca (see San Antonio de Ureca)		3° 15' 08" N 8° 35' 06" E	
Ureka (see San Antonio de Ureca)		3° 15' 08" N 8° 35' 06" E	
Ureka, near	ca.	3° 15' 08" N 8° 35' 06" E	
Urekd (see San Antonio de Ureca)		3° 15' 08" N 8° 35' 06" E	
Utonde River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Utondo River (see Río Utonde)		1° 56' 36" N 9° 48' 41" E	
Victoria	ca.	3° 30' 00" N 8° 42' 00" E	
Vievenda de Mera, plantation, 5 km on Malabo - Luba road (see also: Malabo to Luba road, km 5, Mera, plantation, Vvd. de Mera, plantation)		3° 43' 00" N 8° 44' 00" E	
Voro River (see Río Voro)			
Vvd. de Mera, plantation (see Vievenda de Mera, plantation)		3° 43' 00" N 8° 44' 00" E	
Wele-Nzás province			
Yen, Río Bicaba, Evinayong		1° 42' 57" N 10° 09' 13" E	341 m
Yengüe, on Río Campo/Río Ntem		2° 13' 00" N 9° 53' 00" E	65 m

Eritrea:

Addi Caieh (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Addi Ugri (see Mendefera)		14° 53' 08" N 38° 48' 59" E	1986 m
Addicaiè (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Caie (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Caieh (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Kaie (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keih (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keyeh (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keyh (see also: Addi Caieh, Addicaiè, Adi Caie, Adi Caieh, Adi Kaie, Adi Keih, Adi Keyeh, Adi K'eyih)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi K'eyih (see Adi Keyh)		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Ugri (see Mendefera)		14° 53' 08" N 38° 48' 59" E	1986 m
Adi Wegri (see Mendefera)		14° 53' 08" N 38° 48' 59" E	1986 m
Agordat (see Akurdet)		15° 32' 55" N 37° 53' 12" E	637 m
Ak' Wirdet (see Akurdet)		15° 32' 55" N 37° 53' 12" E	637 m
Ak'irdat (see Akurdet)		15° 32' 55" N 37° 53' 12" E	637 m
Ak'ordat (see Akurdet)		15° 32' 55" N 37° 53' 12" E	637 m
Akurdet (see also: Agordat, Ak' Wirdet, Ak'irdat, Ak'ordat, Figordat)		15° 32' 55" N 37° 53' 12" E	637 m

Anseba region			
Aseb (see Assab)		13° 05' 30" N 42° 44' 22" E	0 m
Asmara (see Asmera)		15° 20' 00" N 38° 56' 00" E	2363 m
Asmara, 10 km NW (see Sciumagalle Mine)		15° 23' 00" N 38° 51' 00" E	2371 m
Asmara, 6 mi [=10 km] W (see Asmera, 6 mi [=10 km] W)	ca.	15° 20' 00" N 38° 51' 00" E	2438 m
Asmara, 8 mi [=13 km] SW (see Sembel)	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
Asmera		15° 20' 00" N 38° 56' 00" E	2363 m
(see also: Asmara)			
Asmera, 10 km NW (see Sciumagalle Mine)		15° 23' 00" N 38° 51' 00" E	2371 m
Asmera, 6 mi [=10 km] W	ca.	15° 20' 00" N 38° 51' 00" E	2438 m
(see also: Asmara, 6 mi [=10 km] W)			
Asmera, 8 mi [=13 km] SW (see Sembel)	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
Assab		13° 05' 30" N 42° 44' 22" E	0 m
(see also: Aseb)			
Bogos		15° 46' 00" N 38° 30' 00" E	
Bogos country		15° 46' 00" N 38° 30' 00" E	
CentrPC:MA|)			
Cheren (see Keren)		15° 46' 40" N 38° 27' 29" E	1590 m
Debub region			
(see also: Southern (former) province |PC:DU|)			
Debubawi Keyih Bahri region			
Dongollo Basso		15° 00' 00" N 38° 00' 00" E	
Eritrea			
Figordat (see Akurdet)		15° 32' 55" N 37° 53' 12" E	637 m
Gash-Barka region			
Ghinda (see Ginda'), Asmara, NE		15° 26' 57" N 39° 05' 19" E	912 m
Ghinda'e (see Ginda'), Asmara, NE		15° 26' 57" N 39° 05' 19" E	912 m
Gibdo		12° 57' 00" N 42° 42' 00" E	
Ginda', Asmara, NE		15° 26' 57" N 39° 05' 19" E	912 m
(see also: Ghinda, Ghinda'e)			
Keren, Bogosland		15° 46' 40" N 38° 27' 29" E	1590 m
(see also: Cheren)			
Maekel region			
(see also: Central (former) province |PC:MA|, Zoba Ma'akel province |PC:MA|)			
Masawa (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Massau (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Massaua (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Massawa		15° 36' 35" N 39° 27' 00" E	6 m
(see also: Masawa, Massau, Massaua, Massawah, Massowa, Massowah, Mesewa, Mitsewa, Mits'iwa)			
Massawah (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Massowa (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Massowah (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Mendefera		14° 53' 08" N 38° 48' 59" E	1986 m
(see also: Addi Ugri, Adi Ugri, Adi Wegri)			
Mesewa (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Mitsewa (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Mits'iwa (see Massawa)		15° 36' 35" N 39° 27' 00" E	6 m
Northern Red Sea (former) province			
Saati		15° 36' 00" N 39° 15' 00" E	148 m
Saganeiti (see Segheneyti)		15° 03' 10" N 39° 11' 14" E	2117 m
Sciumagalle Mine, 10 km NW Asmara		15° 23' 00" N 38° 51' 00" E	2371 m
(see also: Asmara, 10 km NW, Asmera, 10 km NW)			
Seganeiti (see Segheneyti)		15° 03' 10" N 39° 11' 14" E	2117 m
Segeleyti (see Segheneyti)		15° 03' 10" N 39° 11' 14" E	2117 m
Segeneyti (see Segheneyti)		15° 03' 10" N 39° 11' 14" E	2117 m
Segheneyti		15° 03' 10" N 39° 11' 14" E	2117 m
(see also: Saganeiti, Seganeiti, Segeleyti, Segeneyti)			
Sembel, 8 mi [=13 km] SW Asmara	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
(see also: Asmara, 8 mi [=13 km] SW, Asmera, 8 mi [=13 km] SW)			
Semenawi Keyih Bahri region			
SouthPC:DU|)			
Southern Red Sea (former) province			
Zeriba Ambarab		15° 10' 00" N 36° 55' 00" E	
ZobaPC:MA|)			

Ethiopia:

Abala (see Abela)		6° 42' 00" N 37° 53' 00" E	1481 m
Abaya, lake		6° 15' 00" N 37° 55' 00" E	

Abaya, lake, West bank		6° 13' 00" N 37° 49' 00" E	
Abaya, W coast lake		6° 13' 00" N 37° 49' 00" E	
Abela		6° 42' 00" N 37° 53' 00" E	1481 m
(see also: Abala, Abella)			
Abella (see Abela)		6° 42' 00" N 37° 53' 00" E	1481 m
Abiata, lake (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Abiata, lake, E coast		7° 34' 00" N 38° 39' 00" E	
Abijata, lake (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Abiy No. 3, 0.5 km S, near Gambela	ca.	8° 12' 00" N 35° 20' 00" E	1364 m
Abiyacula, near Lalibela	ca.	12° 02' 00" N 39° 03' 00" E	
Abiyata Hayk'	ca.	7° 37' 00" N 38° 36' 00" E	
(see also: Abiata, lake, Abijata, lake, Hora Abaita, Hora Abgiata , Hora Abgiate , Hora Abyata, Lago Abeita , Lake Abiata, Lake Abijata, Lake Abiyata)			
Abol (see Oboul), on Ghilo river		7° 42' 00" N 34° 06' 00" E	313 m
Abore		4° 40' 00" N 36° 45' 00" E	
Abore, lake		4° 40' 00" N 36° 45' 00" E	
(see also: Lake Abore)			
Abuna Iosef, monte (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Abuna Josef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Abuna Yosef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Abuna-Josef, monte (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Abune Yosef		12° 07' 00" N 39° 10' 00" E	3842 m
(see also: Abune Yosef)			
Abune Yosef (see Abune Yosef)		12° 07' 00" N 39° 10' 00" E	3842 m
Abune Yosef, mount (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Abune Yosef, mountain, near Lalibela		12° 09' 00" N 39° 11' 00" E	
(see also: Abuna Iosef, monte, Abuna Josef, Abuna Yosef, Abuna-Josef, monte, Abune Yosef, mount, Guli Ba Amba, Monte Abuna Iosef, Monte Abuna-Josef, Mount Abuna Yosef, Mount Abune Yosef)			
Abyssinia			
(see also: Abyssinien)			
Abyssinien (see Abyssinia)			
Adaba (see Adwa)		14° 10' 00" N 38° 54' 00" E	1882 m
Addis Ababa (see Adis Abeba)		9° 02' 00" N 38° 42' 00" E	2362 m
Addis Ababa and Lake Rudolf, between			
Addis Ababa state			
Addis Ababa, 24 km E (see Shoa)		9° 00' 00" N 39° 00' 00" E	1981 m
Addis Ababa, ca 40 mi [=64 km] W (see Djem-djem Forest)		8° 58' 00" N 38° 09' 00" E	8 000 ft
Addis Ababa, vicinity of	ca.	9° 02' 00" N 38° 42' 00" E	
Addis Abbaba (see Adis Abeba)		9° 02' 00" N 38° 42' 00" E	2362 m
Addis Abeba (see Adis Abeba)		9° 02' 00" N 38° 42' 00" E	2362 m
Addis Alem (see Adis 'Alem)		14° 28' 13" N 38° 46' 31" E	
Adis Abeba		9° 02' 00" N 38° 42' 00" E	2362 m
(see also: Addis Ababa, Addis Abbaba, Addis Abeba)			
Adis 'Alem		14° 28' 13" N 38° 46' 31" E	
(see also: Addis Alem, Adis 'Alem)			
Adis 'Alem (see Adis 'Alem)		14° 28' 13" N 38° 46' 31" E	
Adowa (see Adwa)		14° 10' 00" N 38° 54' 00" E	1882 m
Adua (see Adwa)		14° 10' 00" N 38° 54' 00" E	1882 m
Aduwa (see Adwa)		14° 10' 00" N 38° 54' 00" E	1882 m
Adwa		14° 10' 00" N 38° 54' 00" E	1882 m
(see also: Adaba, Adowa, Adua, Aduwa)			
Afallo		7° 41' 00" N 36° 20' 00" E	2101 m
Afallo, 20 km NE (see Challa, mount)		5° 23' 00" N 36° 34' 00" E	2100 m
Afar state			
Afdam (see Afdem)		9° 28' 00" N 41° 00' 00" E	1056 m
Afdem		9° 28' 00" N 41° 00' 00" E	1056 m
(see also: Afdam, Afdem)			
Afdem (see Afdem)		9° 28' 00" N 41° 00' 00" E	1056 m
Afeworks Farm (see Gidole)		5° 38' 00" N 37° 28' 00" E	
Agaro, road to Jimma		7° 51' 00" N 36° 39' 00" E	1613 m
(see also: Aggarò)			
Agaro, 10 km from (see Jimma, road to)	ca.	7° 51' 00" N 36° 39' 00" E	
Agaro, 30 km from, on the route between Agaro and Bedellé	ca.	14° 27' 34" N 39° 11' 12" E	
Aggarò (see Agaro), road to Jimma		7° 51' 00" N 36° 39' 00" E	1613 m
Akesum (see Aksum)		14° 07' 28" N 38° 43' 28" E	2139 m
Aksum		14° 07' 28" N 38° 43' 28" E	2139 m
(see also: Akesum, Axum)			
Alamaya (see Alem Maya)		9° 23' 41" N 42° 00' 47" E	2000 m

Alatish National Park, ca 500 km NW Addis Abeba	ca.	12° 00' 00" N 35° 30' 00" E	
Alem Maya		9° 23' 41" N 42° 00' 47" E	2000 m
(see also: Alamaya, Alemay, Alemaya)			
Alemay (see Alem Maya)		9° 23' 41" N 42° 00' 47" E	2000 m
Alemaya (see Alem Maya)		9° 23' 41" N 42° 00' 47" E	2000 m
Amhara state			
Amjale		12° 30' 00" N 35° 38' 00" E	535 m
Anole Wells		4° 19' 00" N 38° 26' 00" E	
Arba Mench (see Arba Minch')		6° 02' 00" N 37° 33' 00" E	1284 m
Arba Minch'		6° 02' 00" N 37° 33' 00" E	1284 m
(see also: Arba Mench, Arba Minch, Arba Mintch, Gantar, Minghi)			
Arba Minch (see Arba Minch')		6° 02' 00" N 37° 33' 00" E	1284 m
Arba Mintch (see Arba Minch')		6° 02' 00" N 37° 33' 00" E	1284 m
Arer valley (see Erer Wenz)		7° 34' 00" N 42° 02' 00" E	
Asala (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Aseita		8° 00' 00" N 39° 00' 00" E	
Asela		7° 57' 00" N 39° 08' 00" E	2430 m
(see also: Asala, Asella, Aselle, Assela, Assele, Asselle)			
Asella (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Aselle (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Assela (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Assele (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Asselle (see Asela)		7° 57' 00" N 39° 08' 00" E	2430 m
Aware Melca		9° 08' 00" N 39° 58' 00" E	
Awasa Hayk’		7° 03' 00" N 38° 26' 00" E	
(see also: Awasa, lago, Awasa, lake, Awusa, Lake Awasa)			
Awasa, lago (see Awasa Hayk’)		7° 03' 00" N 38° 26' 00" E	
Awasa, lake (see Awasa Hayk’)		7° 03' 00" N 38° 26' 00" E	
Awash (see Awash National Park)		8° 52' 00" N 40° 01' 00" E	
Awash National Park		8° 52' 00" N 40° 01' 00" E	
(see also: Awash)			
Awash Station, 12 mi [=19 km] N (see Melka Sede)		9° 21' 00" N 40° 18' 00" E	787 m
Awash Station, 25 mi [=40 km] N (see Melka Werer), Awash Station, 40 km N		9° 33' 00" N 40° 24' 00" E	810 m
Awusa (see Awasa Hayk’)		7° 03' 00" N 38° 26' 00" E	
Axum (see Aksum)		14° 07' 28" N 38° 43' 28" E	2139 m
Azir River mouth	ca.	10° 29' 00" N 36° 25' 00" E	1000 m
Azum		14° 10' 00" N 38° 54' 00" E	
Babardur Georgis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bagemder province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Bagemdir province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Baggyemdr province (see Gonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Bahadu (see Be’adu Bota)		10° 11' 35" N 40° 37' 08" E	
Bahar (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahar Dar (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahar Dar Ghiorghis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Baherdar-Giyorgis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahir Dar		11° 36' 00" N 37° 23' 00" E	1783 m
(see also: Babardur Georgis, Bahar, Bahar Dar, Bahar Dar Ghiorghis, Baherdar-Giyorgis, Bahr Dar, Bahr dar Giorgis, Bahr der Giorgis, Bahrdar Giyergio, Bahrdar Giyorgis)			
Bahr Dar (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahr dar Giorgis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahr der Giorgis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahrdar Giyergio (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Bahrdar Giyorgis (see Bahir Dar)		11° 36' 00" N 37° 23' 00" E	1783 m
Balaghes valley		12° 50' 00" N 38° 20' 00" E	762 m
(see also: Bellegas-Thal, Bellegaz valley, Tal des Belegaz, Tal des Belghe)			
Bale district			
Bale Mountains-NP			
BanasPC:BE|)			
Baro			
Barzala cave (see Rako Barzala)	ca.	9° 20' 00" N 42° 05' 00" E	
Be’adu Bota		10° 11' 35" N 40° 37' 08" E	
(see also: Bahadu)			
Bege Meder province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Begemder province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Begemdir na Simen province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Begemdir province (see Gonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Begemedir province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	

Beghemeder province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Belès (see Belesa)		13° 50' 00" N 39° 36' 00" E	2112 m
Belesa		13° 50' 00" N 39° 36' 00" E	2112 m
(see also: Belès)			
Beletta forest (see Belletta forest), 38 km SW Jimma		7° 32' 00" N 36° 31' 00" E	2050 m
Bellegas-Thal (see Balaghes valley)		12° 50' 00" N 38° 20' 00" E	762 m
Bellegaz valley (see Balaghes valley)		12° 50' 00" N 38° 20' 00" E	
Belletta forest, 38 km SW Jimma		7° 32' 00" N 36° 31' 00" E	2050 m
(see also: Beletta forest, Bellista forest, Jimma, 38 km SW)			
Bellista forest (see Belletta forest), 38 km SW Jimma		7° 32' 00" N 36° 31' 00" E	2050 m
BenesPC:BE|)			
(see also: Binshangul Gumuz)			
Benshangul-Gumaz state			
(see also: Banashangul Gumuz state |PC:BE|, Beneshangul Gumuz state |PC:BE|)			
Bermil		12° 23' 00" N 35° 44' 00" E	562 m
Bila (see Bilo)		8° 54' 00" N 37° 00' 00" E	1761 m
Billa (see Bilo)		8° 54' 00" N 37° 00' 00" E	1761 m
Billo (see Bilo)		8° 54' 00" N 37° 00' 00" E	1761 m
Bilo		8° 54' 00" N 37° 00' 00" E	1761 m
(see also: Bila, Billa, Billo, Bilo Boshe)			
Bilo Boshe (see Bilo)		8° 54' 00" N 37° 00' 00" E	1761 m
Binshangul Gumuz (see Beneshangul Gumuz state)			
Bishan Waka lake, E side shore		7° 18' 01" N 35° 16' 24" E	
(see also: Bureyi lake, E side shore)			
Bokonkorio		8° 02' 00" N 46° 19' 00" E	
Bonga, 15 km E	ca.	7° 17' 00" N 36° 14' 00" E	ca. 1660 m
Bora River Bridge			1670 m
Borawli		13° 18' 00" N 40° 58' 48" E	812 m
(see also: Lava-Dom)			
Bottego Highlands	ca.	7° 09' 00" N 37° 42' 00" E	1618 m
Bulcha Forest, E of Lake Margherita		6° 11' 00" N 38° 10' 00" E	1800 m
Bulcha Forest, Sidamo			
Bureyi lake, E side shore (see Bishan Waka lake, E side shore)		7° 18' 01" N 35° 16' 24" E	
Calama (see Kelem)		4° 48' 00" N 35° 58' 00" E	394 m
Callam (see Kelem)		4° 48' 00" N 35° 58' 00" E	394 m
Casano valley (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Ch'amo Hayk'		5° 50' 00" N 37° 33' 00" E	
(see also: Chama, lake, Chamo, lake, Ciamò, lago, Gangiule, Lake Chama, Lake Chamo, Lake Ruspoli, Lake Shamo, Ruspoli, lake, Shamo, lake)			
Chalia, mount (see Challa, mount), 20 km NE Afallo		5° 23' 00" N 36° 34' 00" E	2100 m
Challa, mount, 20 km NE Afallo		5° 23' 00" N 36° 34' 00" E	2100 m
(see also: Afallo, 20 km NE, Chalia, mount, Gebel Challa, Mount Chalia, Mount Challa)			
Chama, lake (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Chamo, lake (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Chamo, NE of lake		5° 58' 00" N 37° 55' 00" E	
Chamo, S bank of lake		5° 50' 00" N 37° 32' 00" E	
Chano, 11 km N Arba Minch, W shore of Lake Abaya	ca.	6° 07' 00" N 37° 34' 00" E	1206 m
Chaw Bahir		4° 40' 00" N 36° 45' 00" E	
Cheno		9° 42' 03" N 39° 54' 30" E	1369 m
Chercha, 8 km S (see Dorse)		6° 16' 00" N 37° 33' 00" E	2923 m
Chercher mountains			
Chitu (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Ciamò, lago (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Coca (see K'ok'a)		8° 26' 00" N 39° 02' 00" E	1700 m
Cofole (see Kofele)		7° 04' 00" N 38° 47' 00" E	2505 m
Dabra Marko's, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Dabra Marko's, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Dabra-Marqos, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Dag Island (see Daga Island), Lake Tana		11° 54' 00" N 37° 19' 00" E	
Daga Island, Lake Tana		11° 54' 00" N 37° 19' 00" E	
(see also: Dag Island)			
Dambiya (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Danghel (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Danghila (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Danghilla (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Dangila, 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
(see also: Danghel, Danghila, Danghilla, Dangla, Dangla, Dungoler, Tana, 70 mi [=113 km] S Lake)			

Dangla (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Dangla (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Dangola Washa caves	ca.	8° 20' 00" N 38° 34' 00" E	
(see also: Kesa, 5 km SW)			
Daredawa (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Debra Marcos, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Debra Markos, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Debre Marcos, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Debre Mark'os, near		10° 21' 00" N 37° 44' 00" E	2446 m
(see also: Dabra Marko's, near, Dabra Marko's, near, Dabra-Marqos, near, Debra Marcos, near, Debra Markos, near, Debre Marcos, near, Moncorer, near, Monkorer, near)			
Debre Tabor, 7 km N, 10 km W (see Wereta-Weldiya road)		11° 55' 00" N 37° 55' 00" E	2100 m
Dembea (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Dengel Ber, SW side Lake Tana		11° 57' 00" N 37° 00' 00" E	1827 m
(see also: Dengelbar, Denghelbar, Denghelber, Dungulbar)			
Dengel Ber, near, SW side Lake Tana		11° 55' 00" N 37° 05' 00" E	
(see also: Dungulbar, near)			
Dengelbar (see Dengel Ber), SW side Lake Tana		11° 57' 00" N 37° 00' 00" E	1827 m
Denghelbar (see Dengel Ber), SW side Lake Tana		11° 57' 00" N 37° 00' 00" E	1827 m
Denghelber (see Dengel Ber), SW side Lake Tana		11° 57' 00" N 37° 00' 00" E	1827 m
Desea Forest	ca.	13° 45' 00" N 39° 45' 00" E	
Didesa Wenz	ca.	9° 57' 00" N 35° 41' 00" E	1190 m
(see also: Didessa River)			
Didessa River (see Didesa Wenz)	ca.	9° 57' 00" N 35° 41' 00" E	1190 m
Didessa river bridge		9° 02' 00" N 36° 09' 00" E	1533 m
Didessa River mouth			
Didessa settlement, Tola river		9° 02' 00" N 36° 09' 00" E	
Dinsho		7° 06' 00" N 39° 47' 00" E	
(see also: Gurie)			
Dirdabò (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daba (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daoua (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daua (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Dawa		9° 35' 00" N 41° 52' 00" E	1236 m
(see also: Daredawa, Dirdabò, Dire Daba, Dire Daoua, Dire Daua, Dire Dawa, Dire Dewa, Direaoua, Diré-Daoua, Direduia)			
Dire Dawa (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Dawa state			
Dire Dawa, 3 km S	ca.	9° 32' 00" N 41° 53' 00" E	
Dire Dewa (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Direaoua (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Diré-Daoua (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Direduia (see Dire Dawa)		9° 35' 00" N 41° 52' 00" E	1236 m
Djala		6° 20' 00" N 36° 50' 00" E	
Djem-djem Forest, ca 40 mi [=64 km] W Addis Ababa		8° 58' 00" N 38° 09' 00" E	8 000 ft
(see also: Addis Ababa, ca 40 mi [=64 km] W)			
Djigdjiga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Djimma (see Jima)		7° 40' 00" N 36° 50' 00" E	1753 m
Djimma, 5 km E (see Jima, 5 km E)		7° 40' 00" N 36° 50' 00" E	1753 m
Djiren (see Jiren), near Jima		7° 49' 00" N 36° 41' 00" E	1678 m
Dobleh		7° 00' 00" N 45° 00' 00" E	
Dogy River Bridge		8° 21' 43" N 35° 53' 02" E	
Doki River		8° 20' 00" N 35° 36' 00" E	
Doki river bridge		8° 20' 00" N 35° 36' 00" E	
Doki River Bridge, Ilu Babor			
Dolo (see Dolo Odo)		4° 10' 43" N 42° 03' 32" E	173 m
Dolo Odo		4° 10' 43" N 42° 03' 32" E	173 m
(see also: Dolo)			
Donkam River, Lake Tana, 40 mi S			
Donu river (see Gelana Shet')		6° 07' 00" N 37° 55' 00" E	
Doou river (see Gelana Shet')		6° 07' 00" N 37° 55' 00" E	
Dorse, 8 km S of Chercha		6° 16' 00" N 37° 33' 00" E	2923 m
(see also: Chercha, 8 km S, Dorsey)			
Dorsey (see Dorse), 8 km S of Chercha		6° 16' 00" N 37° 33' 00" E	2923 m
Dungoler (see Dangila), 40 mi south Lake Tana		11° 16' 00" N 36° 50' 00" E	2136 m
Dungulbar (see Dengel Ber), SW side Lake Tana		11° 57' 00" N 37° 00' 00" E	1827 m
Dungulbar, near (see Dengel Ber, near), SW side Lake Tana		11° 55' 00" N 37° 05' 00" E	
Dushi area			
Dzhidzhiga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
East Shore, Lake Abiata			

Erer valley (see Erer Wenz)		7° 34' 00" N 42° 02' 00" E	
Erer Wenz		7° 34' 00" N 42° 02' 00" E	
(see also: Arer valley, Erer valley, Errer valley)			
Errer valley (see Erer Wenz)		7° 34' 00" N 42° 02' 00" E	
Ethiopia			
Fafan River, Degeh Bur, 30 km W		8° 05' 00" N 43° 23' 00" E	
Fashodo			
Fatam River, Big Abbai (see Fet'am Shet'), 100 mi S of lake Taua		10° 20' 00" N 36° 52' 00" E	
Fet'am Shet', 100 mi S of lake Taua		10° 20' 00" N 36° 52' 00" E	
(see also: Fatam River, Big Abbai, Fettam River, Taua, 100 mi [=160 km] S Lake)			
Fettam River (see Fet'am Shet'), 100 mi S of lake Taua		10° 20' 00" N 36° 52' 00" E	
Filwoha Awash		9° 00' 00" N 39° 58' 00" E	
Forty Springs, Arba Minch, near		6° 02' 00" N 37° 36' 00" E	
Galana river (see Gelana Shet')		6° 07' 00" N 37° 55' 00" E	
Gallabat (see Metema)		12° 58' 00" N 36° 12' 00" E	684 m
Gallabat, 30 mi [=48 km] SE (see Wahina)		12° 30' 00" N 36° 30' 00" E	1006 m
Gambeila (see Gambela)		8° 15' 00" N 34° 35' 00" E	514 m
Gambela		8° 15' 00" N 34° 35' 00" E	514 m
(see also: Gambeila, Gambela, Gambela Post, Gambella, Wilaya d' Illizi)			
Gambela (see Gambela), Ilu Babor		8° 15' 00" N 34° 35' 00" E	514 m
GambePC:GA|)			
Gambela Peoples state			
(see also: Gambela Hizboch state |PC:GA|)			
Gambela Post (see Gambela)		8° 15' 00" N 34° 35' 00" E	514 m
Gambela, 15 km E			
Gambela, 60 km E			
Gambella (see Gambela)		8° 15' 00" N 34° 35' 00" E	514 m
Gangiule (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Gantar (see Arba Minch')		6° 02' 00" N 37° 33' 00" E	1284 m
Garairobi, lake (see Harairobo, lake)		8° 19' 00" N 39° 05' 00" E	
Gebel Challa (see Challa, mount), 20 km NE Afallo		5° 23' 00" N 36° 34' 00" E	2100 m
Gelana Shet'		6° 07' 00" N 37° 55' 00" E	
(see also: Donu river, Doou river, Galana river)			
Gelego		12° 14' 00" N 35° 53' 00" E	650 m
Gembi (see Gimbi)		9° 10' 00" N 35° 50' 00" E	1844 m
Ghibbey valley (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Ghibbiè di Gimma (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Ghibie valley (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Ghible valley (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Ghidole (see Gidole)		5° 39' 00" N 37° 22' 00" E	2044 m
Ghidolie (see Gidole)		5° 39' 00" N 37° 22' 00" E	2044 m
Ghigner, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghiignir, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghimbi (see Gimbi)		9° 10' 00" N 35° 50' 00" E	1844 m
Ghimir, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinir, 10 km from (see Ginir, 10 km from)	ca.	7° 10' 00" N 40° 42' 00" E	
Ghinir, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinner, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinnir, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghion (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Gidole		5° 39' 00" N 37° 22' 00" E	2044 m
(see also: Afeworks Farm, Ghidole, Ghidolie, Gidole)			
Gidole (see Gidole)		5° 39' 00" N 37° 22' 00" E	2044 m
Giggiga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Giggigga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Gima (see Jima)		7° 40' 00" N 36° 50' 00" E	1753 m
Gima, 5 km E (see Jima, 5 km E)		7° 40' 00" N 36° 50' 00" E	1753 m
Gimbi		9° 10' 00" N 35° 50' 00" E	1844 m
(see also: Gembi, Ghimbi)			
Gimbi, 12 km E	ca.	9° 10' 00" N 35° 50' 00" E	
Gimbi, 25 km E	ca.	9° 10' 00" N 35° 50' 00" E	
Gimbi, 7 km E	ca.	9° 10' 00" N 35° 50' 00" E	
Gimma (see Jima)		7° 40' 00" N 36° 50' 00" E	1753 m
Gimma, 5 km E (see Jima, 5 km E)		7° 40' 00" N 36° 50' 00" E	1753 m
Ginir, 10 km from	ca.	7° 10' 00" N 40° 42' 00" E	
(see also: Ghinir, 10 km from)			
Ginir, 25 mi [=40 km] E (see Sof Omar cave)		6° 54' 22" N 40° 50' 42" E	
Ginir, 30 mi [=48 km] N		7° 06' 00" N 40° 39' 00" E	1951 m
Ginir, 49 km N		7° 06' 00" N 40° 40' 00" E	1951 m

Ginir, 7 km (see also: Ghigner, 7 km, Ghiignir, 7 km, Ghimir, 7 km, Ghinir, 7 km, Ghinner, 7 km, Ghinnir, 7 km, Ginnir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ginnir, 7 km (see Ginir, 7 km)	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Gion (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Girawa (see also: Graua, Grawa, Grewa)		9° 07' 59" N 41° 50' 20" E	
Giren (see Jiren), near Jima		7° 49' 00" N 36° 41' 00" E	1678 m
Giyon, 70 mi SW Addis Ababa on Addis Ababa/Jimma road (see also: Chitu, Ghion, Gion, Guyon, Ualiso, Uoliso, Uolisò, Waliso, Walliso, Walso, Weliso, Weliso, Welso, Woliso, Wolisso, Wolliso)		8° 32' 00" N 37° 59' 00" E	2062 m
Goba		8° 01' 00" N 40° 23' 00" E	1276 m
Goba, 3 mi S, Bale Province	ca.	4° 51' 00" N 31° 37' 00" E	
Godare forest, Yamboshi river		7° 21' 00" N 35° 13' 00" E	
Godefò valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Godjeb Fiume, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Godjeb valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Gofa		6° 15' 00" N 36° 45' 00" E	
Gofa district			
Gogeb valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Goggiam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gojab valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Gojam Kifle Hager province (see also: Goggiam province, Gojam province, Gojjam province, Gojjiam province, Gwejam province, Gwojjam province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gojam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gojeb River			
Gojeb valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Gojeb Wenz, middle (see also: Godefò valley, middle, Godjeb Fiume, middle, Godjeb valley, middle, Gogeb valley, middle, Gojab valley, middle, Gojeb valley, middle, Gwojäb valley, middle)		7° 20' 00" N 37° 21' 00" E	
Gojjam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gojjiam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gondar (see Gonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Gondar province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Gondar, 15 mi [=24 km] NE		12° 37' 00" N 37° 29' 00" E	
Gonder (see also: Baggyemdr province, Begemdir province, Gondar, Gwender, Gwonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Gonder Kifle Hager province (see also: Bagemder province, Bagemdir province, Bege Meder province, Begemder province, Begemdir na Simen province, Begemedir province, Beghemeder province, Gondar province, Gonder province)	ca.	12° 30' 00" N 37° 00' 00" E	
Gonder province (see Gonder Kifle Hager province)	ca.	12° 30' 00" N 37° 00' 00" E	
Gorgora		12° 14' 25" N 37° 18' 03" E	1828 m
Gowane		10° 10' 00" N 40° 39' 00" E	
Grara		12° 21' 00" N 35° 44' 00" E	560 m
Graua (see Girawa)		9° 07' 59" N 41° 50' 20" E	
Grawa (see Girawa)		9° 07' 59" N 41° 50' 20" E	
Grewa (see Girawa)		9° 07' 59" N 41° 50' 20" E	
Guli Ba Amba (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Gumma valley (see Kerkeri Shet')		8° 15' 00" N 37° 29' 00" E	
Gurie (see Dinsho)		7° 06' 00" N 39° 47' 00" E	
Guyon (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Gwejam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gwender (see Gonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Gwojäb valley, middle (see Gojeb Wenz, middle)		7° 20' 00" N 37° 21' 00" E	
Gwojjam province (see Gojam Kifle Hager province)	ca.	11° 00' 00" N 37° 00' 00" E	
Gwonder (see Gonder)		12° 36' 00" N 37° 28' 00" E	2132 m
Harairobo, lake (see also: Garairobi, lake, Lake Garairobi, Lake Harairobo)		8° 19' 00" N 39° 05' 00" E	
Harar (see Harer)		9° 19' 00" N 42° 07' 00" E	1864 m
Harar People state			
Harenna Forest		6° 45' 00" N 39° 44' 00" E	2760 m

Harer		9° 19' 00" N 42° 07' 00" E	1864 m
(see also: Harar, Harrar)			
Harle		12° 20' 00" N 39° 36' 00" E	1532 m
(see also: Harle)			
Harle (see Harle)		12° 20' 00" N 39° 36' 00" E	1532 m
Harrar (see Harer)		9° 19' 00" N 42° 07' 00" E	1864 m
Harre river, near Arba Minch		6° 03' 00" N 37° 38' 00" E	
Harrena Forest			
Hawash plains			
Haza Boran			
Hirna		9° 13' 00" N 41° 06' 00" E	
Hirna and Deder, between	ca.	9° 20' 00" N 41° 16' 00" E	
Hora Abaita (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Hora Abgiata (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Hora Abgiate (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Hora Abyata (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Iavello, 25 km N (see Yabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Illala Sala		8° 50' 00" N 40° 01' 00" E	
Jara		7° 22' 00" N 40° 30' 00" E	2025 m
(see also: Jarra)			
Jarra (see Jara)		7° 22' 00" N 40° 30' 00" E	2025 m
Jigjiga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Jigjiga road bridge, Errer river	ca.	9° 21' 00" N 42° 48' 00" E	
Jigjiga road bridge, 0.5 km E, Errer river	ca.	9° 21' 00" N 42° 48' 00" E	
Jigjiga road, 16 km S, Errer river	ca.	9° 21' 00" N 42° 48' 00" E	
Jigjigga (see Jijiga)		9° 21' 00" N 42° 48' 00" E	1608 m
Jijiga		9° 21' 00" N 42° 48' 00" E	1608 m
(see also: Djigdjiga, Dzhidzhiga, Giggiga, Giggigga, Jigjiga, Jigjigga)			
Jikao (see Jikawo)		8° 22' 00" N 33° 46' 00" E	388 m
Jikau (see Jikawo)		8° 22' 00" N 33° 46' 00" E	388 m
Jikaw (see Jikawo)		8° 22' 00" N 33° 46' 00" E	388 m
Jikawa (see Jikawo)		8° 22' 00" N 33° 46' 00" E	388 m
Jikawo		8° 22' 00" N 33° 46' 00" E	388 m
(see also: Jikao, Jikau, Jikaw, Jikawa, Jokau)			
Jima		7° 40' 00" N 36° 50' 00" E	1753 m
(see also: Djimma, Gima, Gimma, Jimma)			
Jima, 5 km E		7° 40' 00" N 36° 50' 00" E	1753 m
(see also: Djimma, 5 km E, Gima, 5 km E, Gimma, 5 km E, Jimma, 5 km E)			
Jimma (see Jima)		7° 40' 00" N 36° 50' 00" E	1753 m
Jimma, 38 km SW (see Belletta forest)		7° 32' 00" N 36° 31' 00" E	2050 m
Jimma, 5 km E (see Jima, 5 km E)		7° 40' 00" N 36° 50' 00" E	1753 m
Jimma, road to, 10 km from Agaro	ca.	7° 51' 00" N 36° 39' 00" E	
(see also: Agaro, 10 km from)			
Jiran (see Jiren), near Jima		7° 49' 00" N 36° 41' 00" E	1678 m
Jiren, near Jima		7° 49' 00" N 36° 41' 00" E	1678 m
(see also: Djiren, Giren, Jiran)			
Jokau (see Jikawo)		8° 22' 00" N 33° 46' 00" E	388 m
Kaalam (see Kelem)		4° 48' 00" N 35° 58' 00" E	394 m
Kalam (see Kelem)		4° 48' 00" N 35° 58' 00" E	394 m
Kalam, 30 km N (see Omo Valley)	ca.	6° 00' 00" N 35° 50' 00" E	
Kefole (see Kofele)		7° 04' 00" N 38° 47' 00" E	2505 m
Kelam (see Kelem)		4° 48' 00" N 35° 58' 00" E	394 m
Kelem		4° 48' 00" N 35° 58' 00" E	394 m
(see also: Calama, Callam, Kaalam, Kalam, Kelam)			
Kelem, 30 km N (see Omo Valley)	ca.	6° 00' 00" N 35° 50' 00" E	
Kerkeri Shet'		8° 15' 00" N 37° 29' 00" E	
(see also: Casano valley, Ghibbey valley, Ghibbiè di Gimma, Ghibie valley, Ghible valley, Gumma valley)			
Kesa, 5 km SW (see Dangola Washa caves)	ca.	8° 20' 00" N 38° 34' 00" E	
Kofale (see Kofele)		7° 04' 00" N 38° 47' 00" E	2505 m
Kofele		7° 04' 00" N 38° 47' 00" E	2505 m
(see also: Cofole, Kefole, Kofale, Koffolé)			
Koffolé (see Kofele)		7° 04' 00" N 38° 47' 00" E	2505 m
Koha Dairy Development (see Koka Dairy Development)		8° 25' 28" N 39° 02' 21" E	1602 m
Koi area		6° 39' 00" N 35° 14' 00" E	
K'ok'a		8° 26' 00" N 39° 02' 00" E	1700 m
(see also: Coca, Koka)			
Koka (see K'ok'a)		8° 26' 00" N 39° 02' 00" E	1700 m
Koka Dairy Development, 2 km S Koka		8° 25' 28" N 39° 02' 21" E	1602 m
(see also: Koha Dairy Development)			
Koli		10° 26' 00" N 36° 52' 00" E	1626 m
(see also: Mabil)			

Koli, 10 km W	ca.	10° 19' 00" N 36° 45' 00" E	
(see also: Mabil, 10 km W)			
Koma forest, 5 km N, 20 km W	ca.	7° 12' 00" N 36° 30' 00" E	1900 m
Korem (see Koreme)		9° 18' 53" N 41° 38' 34" E	2556 m
Koreme		9° 18' 53" N 41° 38' 34" E	2556 m
(see also: Korem, Koreme)			
Koreme (see Koreme)		9° 18' 53" N 41° 38' 34" E	2556 m
Kulfo river, Nechisar National Park		5° 20' 00" N 37° 35' 00" E	
Kulfo river, Nechisar National Park			
Labibela (see Lalibela)		12° 02' 00" N 39° 02' 00" E	2427 m
Lado		5° 02' 00" N 41° 41' 00" E	
Lago Abeita (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Lago Sciala (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Lago Scialla (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Lake Abiata (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Lake Abijata (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Lake Abiyata (see Abiyata Hayk')	ca.	7° 37' 00" N 38° 36' 00" E	
Lake Abore (see Abore, lake)		4° 40' 00" N 36° 45' 00" E	
Lake Awasa (see Awasa Hayk')		7° 03' 00" N 38° 26' 00" E	
Lake Chama (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Lake Chamo (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Lake Garairobi (see Harairobo, lake)		8° 19' 00" N 39° 05' 00" E	
Lake Harairobo (see Harairobo, lake)		8° 19' 00" N 39° 05' 00" E	
Lake Langanno (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Lake Langano (see Langano Hayk'), Shoa		7° 36' 00" N 38° 43' 00" E	
Lake Langara (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Lake Langeno (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Lake Lngano			
Lake Ruspoli (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Lake Shala (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Lake Shalla (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Lake Shamo (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Lake Tana		12° 00' 00" N 37° 20' 00" E	
(see also: Dambiya, Dembea, Lake Tsana, T'ana Hayk', Tana, lake, Tsana, lake)			
Lake Tsana (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Lalibala (see Lalibela)		12° 02' 00" N 39° 02' 00" E	2427 m
Lalibela		12° 02' 00" N 39° 02' 00" E	2427 m
(see also: Labibela, Lalibala, Lalibela)			
Lalibela (see Lalibela)		12° 02' 00" N 39° 02' 00" E	2427 m
Langanno, lake (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Langano Hayk'		7° 36' 00" N 38° 43' 00" E	
(see also: Lake Langanno, Lake Langano, Lake Langara, Lake Langeno, Langanno, lake, Langano, lake, Langara, lake, Langeno, lake)			
Langano, lake (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Langano, W coast lake		7° 37' 00" N 38° 42' 00" E	
Langara, lake (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Langeno, lake (see Langano Hayk')		7° 36' 00" N 38° 43' 00" E	
Lava-Dom (see Borawli)		13° 18' 00" N 40° 58' 48" E	812 m
Let Marafi (see Let Marefiya)		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marafia (see Let Marefiya)		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marafiya (see Let Marefiya)		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marefia (see Let Marefiya)		9° 38' 00" N 39° 45' 00" E	2467 m
Let Marefiya		9° 38' 00" N 39° 45' 00" E	2467 m
(see also: Let Marafi, Let Marafia, Let Marafiya, Let Marefia)			
Mabil (see Koli)		10° 26' 00" N 36° 52' 00" E	1626 m
Mabil, 10 km W (see Koli, 10 km W)	ca.	10° 19' 00" N 36° 45' 00" E	
Macalle (see Mek'ele)		13° 29' 48" N 39° 28' 31" E	2036 m
Makale (see Mek'ele)		13° 29' 48" N 39° 28' 31" E	2036 m
Makalle (see Mek'ele)		13° 29' 48" N 39° 28' 31" E	2036 m
Manera	ca.	6° 54' 00" N 36° 42' 00" E	
Manera forest		6° 54' 00" N 36° 42' 00" E	1220 m
Maqale (see Mek'ele)		13° 29' 48" N 39° 28' 31" E	2036 m
Maqalle (see Mek'ele)		13° 29' 48" N 39° 28' 31" E	2036 m
Masha		7° 44' 00" N 35° 29' 00" E	2222 m
Matahara (see Metahara), Awash river		8° 54' 00" N 39° 55' 00" E	1006 m
Matahara, 1 km W (see Metahara, 1 km W)		8° 54' 00" N 39° 55' 00" E	1006 m
Matama (see Metema)		12° 58' 00" N 36° 12' 00" E	684 m
Matama, 30 mi [=48 km] SE (see Wahina)		12° 30' 00" N 36° 30' 00" E	
Mattu (see Metu)		8° 18' 00" N 35° 35' 00" E	1604 m
Medague, near Lalibela	ca.	12° 03' 29" N 39° 02' 41" E	
Megbiya Ber		12° 16' 00" N 35° 43' 00" E	607 m
Megenagne		12° 12' 00" N 35° 40' 00" E	564 m
Mehadid		12° 18' 00" N 35° 46' 00" E	587 m

Mek'ele (see also: Macalle, Makale, Makalle, Maqale, Maqalle)		13° 29' 48" N 39° 28' 31" E	2036 m
Mekinissa		9° 03' 00" N 38° 42' 00" E	
Melka Sadi (see Melka Sede), 12 mi [=19 km] N Awash Station		9° 21' 00" N 40° 18' 00" E	787 m
Melka Sede, 12 mi [=19 km] N Awash Station (see also: Awash Station, 12 mi [=19 km] N, Melka Sadi)		9° 21' 00" N 40° 18' 00" E	787 m
Melka Were (see Melka Werer), 25 mi [=40 km] N Awash Station		9° 33' 00" N 40° 24' 00" E	810 m
Melka Werer, 25 mi [=40 km] N Awash Station (see also: Awash Station, 25 mi [=40 km] N, Melka Were)		9° 33' 00" N 40° 24' 00" E	810 m
Menagesha Forest		8° 59' 24" N 38° 33' 49" E	
Metahara, Awash river (see also: Matahara, Metehara)		8° 54' 00" N 39° 55' 00" E	1006 m
Metahara, 1 km W (see also: Matahara, 1 km W, Metehara, 1 km W)		8° 54' 00" N 39° 55' 00" E	1006 m
Metehara (see Metahara), Awash river		8° 54' 00" N 39° 55' 00" E	1006 m
Metehara, 1 km W (see Metahara, 1 km W)		8° 54' 00" N 39° 55' 00" E	1006 m
Metema (see also: Gallabat, Matama, Metemma)		12° 58' 00" N 36° 12' 00" E	684 m
Metema, 30 mi [=48 km] SE (see Wahina)		12° 30' 00" N 36° 30' 00" E	
Metema, near (see also: Metemma, near)		12° 58' 00" N 36° 12' 00" E	
Metemma (see Metema)		12° 58' 00" N 36° 12' 00" E	684 m
Metemma, near (see Metema, near)		12° 58' 00" N 36° 12' 00" E	
Mettu (see Metu)		8° 18' 00" N 35° 35' 00" E	1604 m
Metu (see also: Mattu, Mettu)		8° 18' 00" N 35° 35' 00" E	1604 m
Minghi (see Arba Minch')		6° 02' 00" N 37° 33' 00" E	1284 m
Moncorer, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Monkorer, near (see Debre Mark'os, near)		10° 21' 00" N 37° 44' 00" E	2446 m
Monte Abuna Iosef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Monte Abuna-Josef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Mount Abuna Yosef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Mount Abune Yosef (see Abune Yosef, mountain)		12° 09' 00" N 39° 11' 00" E	
Mount Chalia (see Challa, mount), 20 km NE Afallo		5° 23' 00" N 36° 34' 00" E	2100 m
Mount Challa (see Challa, mount), 20 km NE Afallo		5° 23' 00" N 36° 34' 00" E	2100 m
Muger river, 5 mi [=8 km] S (see Sanfords Ranch)		9° 55' 00" N 37° 56' 00" E	
Mugher river, 5 mi [=8 km] S (see Sanfords Ranch)		9° 55' 00" N 37° 56' 00" E	
Mui, Oma river		6° 03' 00" N 35° 33' 00" E	1530 m
Nagele (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Nechisar National Park		5° 56' 24" N 37° 40' 38" E	
Negele (see also: Nagele, Negelie, Negelle, Negelli, Neghelle, Neghelli)		5° 19' 00" N 39° 35' 00" E	1533 m
Negele, 74 km N (see also: Negelli, 74 km N)		5° 16' 59" N 40° 12' 00" E	
Negelie (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Negelle (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Negelli (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Negelli, 74 km N (see Negele, 74 km N)		5° 16' 59" N 40° 12' 00" E	
Neghelle (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Neghelli (see Negele)		5° 19' 00" N 39° 35' 00" E	1533 m
Oboul, on Ghilo river (see also: Abol)		7° 42' 00" N 34° 06' 00" E	313 m
Ogaden			
Omar cave, S of (see Sof Omar cave), 25 mi [=40 km] E Ginir		6° 54' 22" N 40° 50' 42" E	
Omo Valley, 30 km N Kalam (see also: Kalam, 30 km N, Kelem, 30 km N)	ca.	6° 00' 00" N 35° 50' 00" E	
OrimaPC:OR|)			
Oromia state (see also: Orimaya state |PC:OR|, Oromiya state |PC:OR|)			
OromiPC:OR|)			
Poi, 2 mi [=3.2 km] N, Rift Valley		4° 50' 00" N 35° 50' 00" E	
Poko (see also: Pokwo)		8° 09' 00" N 34° 28' 00" E	539 m
Pokwo (see Poko)		8° 09' 00" N 34° 28' 00" E	539 m
Rako Barzala (see also: Barzala cave)	ca.	9° 20' 00" N 42° 05' 00" E	
Robi		10° 00' 00" N 39° 54' 00" E	1232 m
Rudolf, lake, 10 km NE (see Turkana lake, 10 km NE)	ca.	4° 57' 00" N 36° 08' 00" E	

Ruspoli, lake (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Saati, near Dogali	ca.	5° 19' 59" N 37° 33' 00" E	
Sabeta		8° 55' 00" N 38° 40' 00" E	2500 m
Sandford's Ranch (see Sanfords Ranch), 5 mi [=8 km] S Muger river		9° 55' 00" N 37° 56' 00" E	
Sanfords Ranch, 5 mi [=8 km] S Muger river (see also: Muger river, 5 mi [=8 km] S, Mugher river, 5 mi [=8 km] S, Sandford's Ranch)		9° 55' 00" N 37° 56' 00" E	
Satema, 1.5 km N, 0.5 km W			2165 m
Sauena (see Sawena)		7° 23' 00" N 41° 16' 00" E	1195 m
Sawena (see also: Sauena)		7° 23' 00" N 41° 16' 00" E	1195 m
Scalla, Lago (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Scech Hussein (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Scech Hussen (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Schoa (see Shoa)		9° 00' 00" N 39° 00' 00" E	1981 m
Scioa province (see Shewa Kifle Hager province)	ca.	9° 00' 00" N 39° 00' 00" E	
Semen mountains (see Simen mountains)		13° 21' 00" N 38° 18' 00" E	
Semien mountains (see Simen mountains)		13° 21' 00" N 38° 18' 00" E	
Shala Hayk' (see also: Lago Sciala, Lago Scialla, Lake Shala, Lake Shalla, Scalla, Lago, Shalla, lake, Shola)		7° 29' 00" N 38° 32' 00" E	1800 m
Shalla, lake (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Shamo, lake (see Ch'amo Hayk')		5° 50' 00" N 37° 33' 00" E	
Shawa province (see Shewa Kifle Hager province)	ca.	9° 00' 00" N 39° 00' 00" E	
Sheh Husen (see also: Scech Hussein, Scech Hussen, Sheik Hussein, Sheikh Hussein, Shek Husen, Shek Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Sheik Hussein (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Sheikh Hussein (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Shek Husen (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Shek Husen (see Sheh Husen)		7° 45' 00" N 40° 42' 00" E	1385 m
Sheko area	ca.	7° 06' 00" N 35° 39' 00" E	ca. 1750 m
Shewa Kifle Hager province (see also: Scioa province, Shawa province, Shewa province, Shoa province)	ca.	9° 00' 00" N 39° 00' 00" E	
Shewa province (see Shewa Kifle Hager province)	ca.	9° 00' 00" N 39° 00' 00" E	
Shibe-Tolley			
Shifra		11° 39' 00" N 40° 01' 00" E	
Shigella, near Arba Minch	ca.	6° 02' 00" N 37° 33' 00" E	
Shoa (see also: Addis Ababa, 24 km E, Schoa)	ca.	9° 00' 00" N 39° 00' 00" E	1981 m
Shoa and Lake Rudolf, between			
Shoa province (see Shewa Kifle Hager province)	ca.	9° 00' 00" N 39° 00' 00" E	
Shola (see Shala Hayk')		7° 29' 00" N 38° 32' 00" E	1800 m
Sidam-Bale bridge		5° 45' 09" N 39° 36' 58" E	
Sidon		5° 45' 00" N 39° 50' 00" E	
Simehn and Woggara, between, SW Sabra [=Sobra]		12° 56' 00" N 38° 05' 00" E	
Simen mountains (see also: Semen mountains, Semien mountains, Simien mountains)		13° 21' 00" N 38° 18' 00" E	
Simien mountains (see Simen mountains)		13° 21' 00" N 38° 18' 00" E	
Simien Mountains National Park		13° 21' 00" N 38° 18' 00" E	
Sirba			
SNNPPC:SN|)			
Sof Omar cave (see also: Ginir, 25 mi [=40 km] E, Omar cave, S of, Sof-Omar)		6° 54' 22" N 40° 50' 42" E	
Sof-Omar (see Sof Omar cave)		6° 54' 22" N 40° 50' 42" E	
Somali state			
Sorobo	ca.	5° 25' 30" N 37° 31' 00" E	
Southern Nations, Nationalities & People's region			
Southern Nations, Nationalities & People's state (see also: SNNP state |PC:SN|)			
T'ana Hayk' (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Tal des Belegaz (see Balaghes valley)		12° 50' 00" N 38° 20' 00" E	762 m
Tal des Belghe (see Balaghes valley)		12° 50' 00" N 38° 20' 00" E	762 m
Tana, 70 mi [=113 km] S Lake (see Dangila)		11° 17' 00" N 36° 55' 00" E	
Tana, lake (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	
Taua, 100 mi [=160 km] S Lake (see Fet'am Shet')			
Tigray state			
Tola River, Didessa Valley, 4 km W			
Torat		13° 20' 00" N 37° 23' 00" E	2773 m
Tsana, lake (see Lake Tana)		12° 00' 00" N 37° 20' 00" E	

Turkana lake, 10 km NE (see also: Rudolf, lake, 10 km NE)	ca.	4° 57' 00" N 36° 08' 00" E	
Ualeita (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Ualiso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Uardere (see Warder)		6° 58' 00" N 45° 20' 00" E	540 m
Uolamo (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Uoliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Uolisò (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Uollamo (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Uollo province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Wadere (see Warder)		6° 58' 00" N 45° 20' 00" E	540 m
Wahina, 30 mi [=45 km] SE Metemma (see also: Gallabat, 30 mi [=48 km] SE, Matama, 30 mi [=48 km] SE, Metema, 30 mi [=48 km] SE)		12° 30' 00" N 36° 30' 00" E	1006 m
Walaga			
Walamo (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Waliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Walliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Wallo province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Walso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Wardair (see Warder)		6° 58' 00" N 45° 20' 00" E	540 m
Warder (see also: Uardere, Wadere, Wardair, Werder)		6° 58' 00" N 45° 20' 00" E	540 m
Warras			
Welamo (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Welamo Awraja (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Welayita Awraja, between Lakes Zwai and Margherita (see also: Ualeita, Uolamo, Uollamo, Walamo, Welamo, Welamo Awraja, Wolamo)		6° 50' 00" N 37° 40' 00" E	6 700 ft
Weliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Weliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Wello province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Welo Kifle Hager province (see also: Uollo province, Wallo province, Wello province, Welo province, Wollo province, Wolloo province)	ca.	11° 30' 00" N 40° 00' 00" E	
Welo province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Welso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Werder (see Warder)		6° 58' 00" N 45° 20' 00" E	540 m
Wereta-Weldiya road, 7 km N, 10 km W Debre Tabor (see also: Debre Tabor, 7 km N, 10 km W)		11° 55' 00" N 37° 55' 00" E	2100 m
Western Shore of Lake Abaya			
Wolamo (see Welayita Awraja), between Lakes Zwai and Margherita		6° 50' 00" N 37° 40' 00" E	6 700 ft
Woliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Wolisso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Wolliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road		8° 32' 00" N 37° 59' 00" E	2062 m
Wollo province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Wolloo province (see Welo Kifle Hager province)	ca.	11° 30' 00" N 40° 00' 00" E	
Yabalo, 25 km N (see Yabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Yabelo, 25 km N (see also: Iavello, 25 km N, Yabalo, 25 km N, Yavello, 25 km N, Yavelo, 25 km N, Yeabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Yavello, 25 km N (see Yabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Yavelo, 25 km N (see Yabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	
Yeabelo, 25 km N (see Yabelo, 25 km N)		5° 03' 00" N 38° 12' 00" E	

Gabon:

Aire d'Exploitation Rationelle de Faune des Monts Doudou (see Mount Doudou fauna exploitation area), 24.3 km - 25.2 km NW Doussala		2° 13' 21" S 10° 24' 21" E	
Anengué lake (see Lake Anengué)		1° 08' 29" S 9° 29' 29" E	
Anguanamo, Lake Ngovi (see also: Bangue, lake, Igela Lagoon , Iguéla, Lagoon, Lagune d' Iguela, Lagune N'Gove , Lagune Ngobé , Lake Bangue , Lake N'Gové , Lake Ngovi, Ngobé, Lagoon, N'Gove, Lagoon, N'Gové, lake, Ngovi, lake)	ca.	1° 55' 08" S 9° 27' 21" E	
Bangue, lake (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Bas Ogooué (see Ogooué River, lower)	ca.	1° 00' 00" S 9° 15' 00" E	
Bateke plateau		0° 41' 31" N 14° 20' 53" E	
Batoala (see also: Batouala, Makokou, 96 km E)		0° 48' 00" N 13° 26' 00" E	489 m
Batouala (see Batoala), 96 km E Makokou (between Makokou and Mékambo)		0° 48' 00" N 13° 26' 00" E	489 m
Batouala Cave		0° 49' 12" N 13° 27' 00" E	
Batouala or Bélinga	ca.	1° 00' 00" N 13° 20' 00" E	
Batouala, near	ca.	0° 48' 00" N 13° 26' 00" E	
Bawaka		0° 22' 52" N 12° 43' 34" E	
Bélinga (see also: Belinga)		1° 08' 00" N 13° 07' 00" E	390 m
Belinga (see Bélinga)		1° 08' 00" N 13° 07' 00" E	390 m
Belinga, near	ca.	1° 08' 00" N 13° 07' 00" E	390 m
Bengoué (see also: Bengoue)		0° 58' 00" S 9° 11' 00" E	0 m
Bengoue (see Bengoué)		0° 58' 00" S 9° 11' 00" E	0 m
Bonda		0° 49' 00" S 12° 42' 00" E	206 m
Booué (see also: Booue, Boque, Boué)		0° 06' 00" S 11° 56' 00" E	175 m
Booue (see Booué)		0° 06' 00" S 11° 56' 00" E	175 m
Booué River		0° 06' 00" S 11° 56' 00" E	
Boque (see Booué)		0° 06' 00" S 11° 56' 00" E	175 m
Boué (see Booué)		0° 06' 00" S 11° 56' 00" E	175 m
Cap Esteras (see Esterias, Cap)		0° 37' 00" N 9° 20' 00" E	
Cap Esterias (see Esterias, Cap)		0° 37' 00" N 9° 20' 00" E	
Cap Esteros (see Esterias, Cap)		0° 37' 00" N 9° 20' 00" E	
Cap Lopez (see Lopez, Cap)		0° 37' 00" S 8° 43' 00" E	
Cape Lopez (see Lopez, Cap)		0° 37' 00" S 8° 43' 00" E	
Cette Cama (see Setté Cama)		2° 32' 00" S 9° 45' 00" E	0 m
CNRS Lek		0° 28' 00" N 12° 48' 00" E	
Como River			
Congona (see Kango)		0° 09' 00" N 10° 08' 00" E	30 m
Ctaboon, 105 km, Como River (see also: Ctaboon, 70 mi [=113 km])		0° 09' 00" N 9° 49' 00" E	
Ctaboon, 112.5 km, Como River (see also: Ctaboon, 75 mi [=121 km])			
Ctaboon, 70 mi [=113 km] (see Ctaboon, 105 km), Como River, almost sea-level		0° 09' 00" N 9° 49' 00" E	
Ctaboon, 75 mi [=121 km] (see Ctaboon, 112.5 km), Como River			
Donghila (see Donguila)		0° 13' 00" N 9° 45' 00" E	95 m
Dongila (see Donguila)		0° 13' 00" N 9° 45' 00" E	95 m
Donguila (see also: Donghila, Dongila)		0° 13' 00" N 9° 45' 00" E	95 m
Doussala, 12.2 km NW (see Moukalaba Reserve)		2° 17' 00" S 10° 29' 50" E	110 m
Doussala, 24.3 km NW		2° 13' 21" S 10° 24' 21" E	375 m
Doussala, 25.2 km NW		2° 13' 38" S 10° 23' 40" E	625 m
Edzamangen (see also: Edzameyen)		0° 36' 00" N 12° 44' 00" E	481 m
Edzameyen (see Edzamangen)		0° 36' 00" N 12° 44' 00" E	481 m
Esteras, Cap (see Esterias, Cap)		0° 37' 00" N 9° 20' 00" E	
Esterias, Cap (see also: Cap Esteras, Cap Esterias, Cap Esteros, Esteras, Cap, Esteros, Cap)		0° 37' 00" N 9° 20' 00" E	
Esteros, Cap (see Esterias, Cap)		0° 37' 00" N 9° 20' 00" E	
Estuaire province			
Faucon Cave (see also: Grotte de Faucon)		1° 07' 00" N 13° 20' 00" E	
Fernan Vaz (see Omboué)		1° 34' 00" S 9° 15' 00" E	0 m
Fernand-Vaz (see Omboué)		1° 34' 00" S 9° 15' 00" E	0 m

Franceville		1° 38' 00" S 13° 35' 00" E	333 m
Franceville, mission		1° 36' 29" S 13° 36' 55" E	
Franceville, near	ca.	1° 38' 00" S 13° 35' 00" E	
Gabon			
Gamba complex (see Ossengue Camp site)		1° 55' 59" S 9° 54' 00" E	
Grotte de Faucon (see Faucon Cave)		1° 07' 00" N 13° 20' 00" E	
Grottes de Massa (see Massa caves)		1° 07' 00" N 13° 09' 00" E	
Haut-Oggoué province			
Igela Lagoon (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Iguéla, Lagoon (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Ipassa		0° 30' 00" N 12° 54' 00" E	
Ipassa-Mpassa station, 10 km SW Makokou (see also: Makokou, 10 km SW)	ca.	0° 34' 00" N 12° 52' 00" E	
Ivindo National Park	ca.	0° 15' 00" N 12° 45' 00" E	
Kango (see also: Congona)		0° 09' 00" N 10° 08' 00" E	30 m
La Mouila (see Mouila)		1° 52' 00" S 11° 01' 00" E	156 m
Lac Anengé (see Lake Anengué)		1° 08' 29" S 9° 29' 29" E	
Lac Anengué (see Lake Anengué)		1° 08' 29" S 9° 29' 29" E	
Lac Avengé (see Lake Anengué)		1° 08' 29" S 9° 29' 29" E	
Lac Zedee (see also: Lake Zedee, Zedee lake)			
Lagune d' Iguela (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lagune Iguéla	ca.	1° 55' 08" S 9° 27' 21" E	
Lagune N'Gove (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lagune Ngobé (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lake Anengué (see also: Anengué lake, Lac Anengé, Lac Anengué, Lac Avengé)		1° 08' 29" S 9° 29' 29" E	
Lake Bangue (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lake N'Gové (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lake Ngovi (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Lake Zedee (see Lac Zedee)			
Lambaréné (see also: Lambarene, Limbareni)		0° 42' 00" S 10° 13' 00" E	45 m
Lambarene (see Lambaréné)		0° 42' 00" S 10° 13' 00" E	45 m
Lastoursville		0° 49' 00" S 12° 42' 00" E	206 m
Lastourville		0° 49' 00" S 12° 42' 00" E	206 m
Libreville, 20 km from	ca.	0° 23' 00" N 9° 27' 00" E	
Limbareni (see Lambaréné)		0° 42' 00" S 10° 13' 00" E	45 m
Loa-Loa (rapids), on Lvindio river, near Makokou		0° 32' 26" N 12° 51' 07" E	
Lopez, Cap (see also: Cap Lopez, Cape Lopez)		0° 37' 00" S 8° 43' 00" E	
Lower Ogooué River (see Ogooué River, lower)	ca.	1° 00' 00" S 9° 15' 00" E	
M'Vaddi (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
Makob		0° 40' 34" N 12° 54' 43" E	
Makokou, Lower Ivindo (see also: Makokou Fortifié)		0° 34' 00" N 12° 52' 00" E	308 m
Makokou and Bélinga, between	ca.	0° 57' 41" N 13° 03' 22" E	
Makokou Fortifié (see Makokou)		0° 34' 00" N 12° 52' 00" E	308 m
Makokou, 10 km SW (see Ipassa-Mpassa station)	ca.	0° 34' 00" N 12° 52' 00" E	
Makokou, 96 km E (see Batoala)		0° 48' 00" N 13° 26' 00" E	489 m
Makokou, near	ca.	0° 34' 26" N 12° 51' 51" E	
Malimba		2° 09' 00" S 10° 41' 00" E	
Massa caves (see also: Grottes de Massa)		1° 07' 00" N 13° 09' 00" E	
M'bari site, 8 km N airport terminal		1° 52' 01" S 9° 52' 59" E	
Mekouba			
Midzik (see Mitzic)		0° 47' 00" N 11° 34' 00" E	549 m
Minvoul, 28 km ESE (see Projet OIBT trail (PK 24))		2° 05' 12" N 12° 22' 30" E	600 m
Minvoul, 31 km ESE (see Projet OIBT trail (PK 29))		2° 04' 48" N 12° 24' 24" E	600 m
Mission Protestante de Samkita (see Samkita)		0° 27' 00" S 10° 27' 00" E	81 m
Mitzic (see also: Midzik, Mitzick, Mitzig, Mitzig, Mitzik)		0° 47' 00" N 11° 34' 00" E	549 m
Mitzick (see Mitzic)		0° 47' 00" N 11° 34' 00" E	549 m
Mitzig (see Mitzic)		0° 47' 00" N 11° 34' 00" E	549 m
Mitzig (see Mitzic)		0° 47' 00" N 11° 34' 00" E	549 m
Mitzik (see Mitzic)		0° 47' 00" N 11° 34' 00" E	549 m
Mouila (see also: La Mouila)		1° 52' 00" S 11° 01' 00" E	156 m
Moukalaba Reserve, 12.2 km NW Doussala (see also: Doussala, 12.2 km NW, Réserve de la Moukalaba)		2° 17' 00" S 10° 29' 50" E	110 m

Mount Doudou fauna exploitation area, 24.3 km - 25.2 km NW Doussala (see also: Aire d'Exploitation Rationelle de Faune des Monts Doudou)		2° 13' 21" S 10° 24' 21" E	
Mount Tandou (see also: Tandou, mount)		1° 50' 00" S 10° 40' 00" E	610 m
Moyen-Ogooué province			
Mpéré (see also: Mperi, Ompéré)		1° 41' 00" S 9° 41' 00" E	32 m
Mperi (see Mpéré)		1° 41' 00" S 9° 41' 00" E	32 m
Mvadhi (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
Mvadhi-Ousyé (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
Mvadi (see also: M'Vaddi, Mvadhi, Mvadhi-Ousyé, Mvahdi, M'Vahdi Ousye, Mvandi)		1° 13' 00" N 13° 12' 00" E	385 m
Mvadi, near	ca.	1° 13' 00" N 13° 12' 00" E	
Mvahdi (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
M'Vahdi Ousye (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
Mvandi (see Mvadi)		1° 13' 00" N 13° 12' 00" E	385 m
Ndendé (see also: N'Dendé)		2° 23' 00" S 11° 23' 00" E	541 m
N'Dendé (see Ndendé)		2° 23' 00" S 11° 23' 00" E	541 m
Nehali			
Ngobé, Lagoon (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
N'Gomo (see also: Ngomo)		0° 49' 00" S 9° 57' 00" E	0 m
Ngomo (see N'Gomo)		0° 49' 00" S 9° 57' 00" E	0 m
Ngounié province			
N'Gove, Lagoon (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
N'Gové, lake (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Ngovi, lake (see Anguanamo)	ca.	1° 55' 08" S 9° 27' 21" E	
Northeastern Gabon			
Ntyonga	ca.	1° 34' 00" S 9° 15' 00" E	
Nwadi	ca.	0° 57' 00" N 13° 15' 00" E	
Nyanga province			
Ogewa			
Ogoou, near (see Ogooué, near)	ca.	0° 06' 00" S 11° 56' 00" E	
Ogooué River, lower (see also: Bas Ogooué, Lower Ogooué River)	ca.	1° 00' 00" S 9° 15' 00" E	
Ogooué, near (see also: Ogoou, near)	ca.	0° 06' 00" S 11° 56' 00" E	
Ogooué-Ivindo province			
Ogooué-Lolo province			
Ogooué-Maritime province			
Ogowe		1° 00' 00" S 13° 00' 00" E	
Omboué (see also: Fernan Vaz, Fernand-Vaz)		1° 34' 00" S 9° 15' 00" E	0 m
Ompéré (see Mpéré)		1° 41' 00" S 9° 41' 00" E	32 m
Ossengue Camp site (see also: Gamba complex)		1° 55' 59" S 9° 54' 00" E	
Oyem		1° 35' 54" N 11° 34' 31" E	552 m
Port-Gentil		0° 43' 00" S 8° 47' 00" E	1 m
Projet OIBT trail (PK 24), 28 km ESE Minvoul (see also: Minvoul, 28 km ESE)		2° 05' 12" N 12° 22' 30" E	600 m
Projet OIBT trail (PK 29), 31 km ESE Minvoul (see also: Minvoul, 31 km ESE)		2° 04' 48" N 12° 24' 24" E	600 m
Rabi 59 site		1° 57' 00" S 9° 52' 01" E	
Rabi Oil Field		1° 52' 01" S 9° 52' 59" E	
Rabi Oil Field, 3 km N airport terminal		1° 55' 01" S 9° 52' 59" E	
Rabi Oil Field, 6 km N airport terminal		1° 52' 01" S 9° 52' 59" E	
Rembo Kotou	ca.	1° 34' 00" S 9° 15' 00" E	
Réserve de la Moukalaba (see Moukalaba Reserve), 12.2 km NW Doussala		2° 17' 00" S 10° 29' 50" E	110 m
Samkita (see also: Mission Protestante de Samkita, Samkitta)		0° 27' 00" S 10° 27' 00" E	81 m
Samkitta (see Samkita)		0° 27' 00" S 10° 27' 00" E	81 m
Setté Cama (see also: Cette Cama)		2° 32' 00" S 9° 45' 00" E	0 m
Sibange farm (see Tchibanga)		2° 51' 00" S 11° 02' 00" E	166 m
Ssibange farm (see Tchibanga)		2° 51' 00" S 11° 02' 00" E	166 m
Tandou, mount (see Mount Tandou)		0° 01' 45" S 0° 10' 35" E	610 m
Tchibanga (see also: Sibange farm, Ssibange farm)		2° 51' 00" S 11° 02' 00" E	166 m
Tenim Bas			
Toucan site		1° 48' 00" S 9° 54' 00" E	

Well 45, 1 km NE, Rabi Oilfield	ca.	1° 55' 01" S 9° 52' 59" E	
Well 59, 100 m N, Rabi Oilfield	ca.	1° 55' 01" S 9° 52' 59" E	
Woleu-Ntem province			
Zedee lake (see Lac Zedee)			
Zodié Cave		0° 58' 48" N 13° 11' 24" E	

Ghana:

Abanase (see Avetile)		6° 32' 00" N 0° 14' 00" E	307 m
Abanasi (see Avetile)		6° 32' 00" N 0° 14' 00" E	307 m
Abetife (see Abetifi)		6° 40' 00" N 0° 45' 00" W	552 m
Abetifi		6° 40' 00" N 0° 45' 00" W	552 m
(see also: Abetife)			
Abodomasi (see Bodomasi), 58 km from Ksi		6° 53' 37" N 1° 15' 19" W	369 m
Abokobi		5° 44' 00" N 0° 12' 00" W	70 m
Aburi		5° 51' 00" N 0° 11' 00" W	300 m
(see also: Aburi)			
Aburi Botanic Garden		5° 51' 00" N 0° 11' 00" W	300 m
Aburi hills, 10 mi [=16 km] N Legon		5° 46' 59" N 0° 10' 59" W	
(see also: Legon, 10 mi [=16 km] N)			
Accra		5° 33' 00" N 0° 13' 00" W	98 m
(see also: Akra)			
Accra, 9 mi [=14.5 km] NE		5° 33' 00" N 0° 15' 00" W	
Accra, 9 mi [=14.5 km] NNE (see Legon)		5° 39' 00" N 0° 11' 00" W	30 m
Accra-Kade Road		5° 33' 00" N 0° 15' 00" W	
Achimota, between Legon and Accra		5° 37' 00" N 0° 14' 00" W	82 m
(see also: Achimota College, Achimota Village, Archimota)			
Achimota College (see Achimota)		5° 37' 00" N 0° 14' 00" W	82 m
Achimota Forest Reserve		5° 40' 01" N 0° 12' 00" W	
Achimota Village (see Achimota)		5° 37' 00" N 0° 14' 00" W	82 m
Achwerase, Aburi, near, concrete culvert in a forest		5° 39' 00" N 0° 11' 00" W	
Adamso		6° 04' 00" N 1° 47' 00" W	139 m
Adanka village, near, 4.5 km N Apesokubi		7° 38' 00" N 0° 23' 00" E	
(see also: Apesokubi, 4.5 km N, Apesokubi, 4.5 km N)			
Adawaso (see Adawso)		5° 57' 00" N 0° 13' 00" W	148 m
Adawaso, 1 mi [=1.6 km] E	ca.	5° 57' 00" N 0° 13' 00" W	
Adawaso, 1.9 mi [=3 km] NW	ca.	5° 57' 00" N 0° 13' 00" W	
Adawaso, 4.7 mi [=7.5 km] E	ca.	5° 57' 00" N 0° 13' 00" W	
Adawaso, 5.7 mi [=9 km] E	ca.	5° 57' 00" N 0° 13' 00" W	
Adawso		5° 57' 00" N 0° 13' 00" W	148 m
(see also: Adawaso, Adowso)			
Adiembra (see Ajemra)		4° 49' 00" N 2° 11' 00" W	0 m
Adowso (see Adawso)		5° 57' 00" N 0° 13' 00" W	148 m
Afegame, Agumatsa River		7° 08' 00" N 0° 35' 00" E	415 m
(see also: Apegame)			
Afegame, 3 mi [=4.8 km] E	ca.	7° 08' 00" N 0° 35' 00" E	
Aflahu (see Aflao)		6° 07' 04" N 1° 11' 34" E	61 m
Aflao		6° 07' 04" N 1° 11' 34" E	61 m
(see also: Aflahu, Afloa, Dano, Porura)			
Aflao, 105 km W		6° 07' 04" N 0° 14' 39" E	
(see also: Afloa, 105 km W)			
Aflao, 72 km W		6° 07' 00" N 1° 11' 00" E	
(see also: Afloa, 72 km W)			
Afloa (see Aflao)		6° 07' 04" N 1° 11' 34" E	61 m
Afloa, 105 km W (see Aflao, 105 km W)		6° 07' 04" N 0° 14' 39" E	
Afloa, 72 km W (see Aflao, 72 km W)		6° 07' 00" N 1° 11' 00" E	
Agogo			
Agogo, 1 mi W			
Agumatsa Wildlife Sanctuary, Agumatsa river, near Afegame	ca.	7° 07' 00" N 0° 36' 00" E	
Agyembra (see Ajemra)		4° 49' 00" N 2° 11' 00" W	0 m
Ahinkrom (see Dormaa Ahenkro)		7° 17' 00" N 2° 53' 00" W	269 m
Ahireso		6° 32' 00" N 2° 20' 00" W	160 m
(see also: Ahiriso, Ahyireso, Ahyiresu)			
Ahiriso (see Ahireso)		6° 32' 00" N 2° 20' 00" W	160 m
Ahyireso (see Ahireso)		6° 32' 00" N 2° 20' 00" W	160 m
Ahyiresu (see Ahireso)		6° 32' 00" N 2° 20' 00" W	160 m
Aiyikuma		5° 55' 00" N 0° 03' 00" W	43 m
(see also: Ayikuma)			
Ajemera (see Ajemra)		4° 49' 00" N 2° 11' 00" W	0 m
Ajemra		4° 49' 00" N 2° 11' 00" W	0 m
(see also: Adiembra, Agyembra, Ajemera, Egyambra)			

Akeniem		8° 08' 00" N 0° 16' 00" W	
Akim Oda (see Oda)		5° 55' 00" N 0° 59' 00" W	218 m
Akim Oda, near (see Oda, near)	ca.	5° 55' 00" N 1° 00' 00" W	
Akinim Buem State Togoland			
Akomo (see Akwamu)		6° 17' 00" N 0° 05' 00" E	152 m
Akonsonbo (see Akosombo)		6° 18' 00" N 0° 03' 00" E	76 m
Akoso Mbo (see Akosombo)		6° 18' 00" N 0° 03' 00" E	76 m
Akosombo		6° 18' 00" N 0° 03' 00" E	76 m
(see also: Akonsonbo, Akoso Mbo, Kosombo, Oko sombo)			
Akra (see Accra)		5° 33' 00" N 0° 13' 00" W	98 m
Akrochire, 38 mi [=61 km] NE Kumasi		6° 56' 00" N 1° 20' 00" W	282 m
(see also: Akrokyere, Kumasi, 38 mi [=61 km] NE)			
Akrokyere (see Akrochire), 38 mi [=61 km] NE Kumasi		6° 56' 00" N 1° 20' 00" W	282 m
Akropong		5° 45' 00" N 2° 07' 00" W	
Akwamu		6° 17' 00" N 0° 05' 00" E	152 m
(see also: Akomo, Akwamufe, Akwamufie)			
Akwamu, 5 mi [=8 km] W	ca.	6° 14' 00" N 0° 07' 00" E	
Akwamufe (see Akwamu)		6° 17' 00" N 0° 05' 00" E	152 m
Akwamufe, 1 mi [=1.6 km] N	ca.	6° 16' 00" N 0° 07' 00" E	
Akwamufie (see Akwamu)		6° 17' 00" N 0° 05' 00" E	152 m
Amedjofe (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Amedschovhe (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Amedschowe (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Amedzofe		6° 51' 00" N 0° 26' 00" E	677 m
(see also: Amedjofe, Amedschovhe, Amedschowe, Amedzope, Ameiope, Amejove)			
Amedzope (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Ameiope (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Amejove (see Amedzofe)		6° 51' 00" N 0° 26' 00" E	677 m
Anamabo (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anamaboe (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anamabu (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anamabu Castle (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anhwieso (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Anima Krom (see Animakrom), 6 mi [=9.7 km] N Princess Town		4° 50' 12" N 2° 04' 46" W	73 m
Animakrom, 6 mi [=9.7 km] N Princess Town		4° 50' 12" N 2° 04' 46" W	73 m
(see also: Anima Krom, Princess Town, 6 mi [=9.7 km] N)			
Ankasi, 17 mi [=27 km] from Ksi [= Kumasi]		6° 39' 00" N 1° 22' 00" W	217 m
(see also: Ksi, 17 mi [=27 km] from, Kumasi, 17 mi [=27 km] from)			
Ankasi, on lake side, ?? mi from Ksi	ca.	6° 22' 00" N 1° 34' 00" W	
Anomabo (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anomabu		5° 10' 00" N 1° 07' 00" W	0 m
(see also: Anamabo, Anamaboe, Anamabu, Anamabu Castle, Anomabo, Anomabu Castle, Fort William)			
Anomabu Castle (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Anum		6° 29' 00" N 0° 09' 00" E	234 m
Anum, 4 mi [=6.4 km] S	ca.	6° 30' 00" N 0° 10' 00" E	ca. 230 m
Anum-Asikuma, 1 mi [=1.6 km] N (see Asikuma, 1 mi [=1.6 km] N)		6° 25' 00" N 0° 10' 00" E	147 m
Anwiaswo (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Apegame (see Afegame), Agumatsa River		7° 08' 00" N 0° 35' 00" E	415 m
Apesokubi		7° 35' 00" N 0° 24' 00" E	200 m
Apesokubi, 4.5 km N (see Adanka village, near)		7° 38' 00" N 0° 23' 00" E	
Archimota (see Achimota), between Legon and Accra		5° 37' 00" N 0° 14' 00" W	82 m
Asampaniye		6° 30' 00" N 2° 54' 00" W	251 m
(see also: Asempanaye Sefwi, Asenparage garden, Sefwi Asemparaye, Sefwi Asenparage)			
Asempanaye Sefwi (see Asampaniye)		6° 30' 00" N 2° 54' 00" W	251 m
Asenparage garden (see Asampaniye)		6° 30' 00" N 2° 54' 00" W	251 m
Ash Mampong, Ksi-Tamale Road, 30 mi		7° 06' 00" N 1° 19' 00" W	
Ashanti region			
Asikuma, 1 mi [=1.6 km] N		6° 25' 00" N 0° 10' 00" E	147 m
(see also: Anum-Asikuma, 1 mi [=1.6 km] N)			
Asubengya (see Subinja), 2 mi E Wenchi		7° 44' 00" N 2° 04' 00" W	290 m
Avetile		6° 32' 00" N 0° 14' 00" E	307 m
(see also: Abanase, Abanasi, Peki Aventile)			
Axim		4° 52' 06" N 2° 14' 29" W	70 m
Ayikuma (see Aiyikuma)		5° 55' 00" N 0° 03' 00" W	43 m
Babiana (see Bibiana)		6° 27' 00" N 2° 18' 00" W	720 ft
Babianeha (see Bibiana)		6° 27' 00" N 2° 18' 00" W	720 ft

Bame		6° 40' 00" N 0° 21' 00" E	173 m
Bame, 7 mi [=11 km] S		6° 37' 01" N 0° 18' 00" E	
Banda			
Bangmo (see Bangwon)		10° 58' 00" N 2° 41' 00" W	303 m
Bangweli Camp		9° 42' 00" N 1° 53' 00" W	
Bangwon		10° 58' 00" N 2° 41' 00" W	303 m
(see also: Bangmo)			
Bataw (see Bator)		6° 04' 00" N 0° 25' 00" E	56 m
Bator		6° 04' 00" N 0° 25' 00" E	56 m
(see also: Bataw, Battor)			
Battor (see Bator)		6° 04' 00" N 0° 25' 00" E	56 m
Bebiana (see Bibiana)		6° 27' 00" N 2° 18' 00" W	720 ft
Bebianiha (see Bibiana)		6° 27' 00" N 2° 18' 00" W	720 ft
Bechem		7° 05' 00" N 2° 02' 00" W	293 m
Begoro		6° 17' 00" N 0° 23' 00" W	447 m
Bekawi (see Bekwai)		6° 27' 00" N 1° 35' 00" W	219 m
Bekwai		6° 27' 00" N 1° 35' 00" W	219 m
(see also: Bekawi, Bekwai Ash)			
Bekwai Ash (see Bekwai)		6° 27' 00" N 1° 35' 00" W	219 m
Berekuso		5° 45' 00" N 0° 13' 00" W	160 m
(see also: Birekuso)			
Berekuso, 1 mi [=1.6 km] N		5° 45' 00" N 0° 13' 00" W	160 m
(see also: Birekuso, 1 mi [=1.6 km] N)			
Bia, New Debiso		6° 58' 00" N 1° 16' 00" W	
Bibiana		6° 27' 00" N 2° 18' 00" W	720 ft
(see also: Babiana, Babianeha, Bebiana, Bebianiha, Bibianaha, Bibiani)			
Bibianaha (see Bibiana), Inland from Denkwa, 60 mi [=90 km] W Kumasi		6° 27' 00" N 2° 18' 00" W	720 ft
(see also: Kumasi, 60 mi [=90 km] W)			
Bibiani (see Bibiana)		6° 27' 00" N 2° 18' 00" W	720 ft
Bibiani Mines		6° 30' 00" N 2° 07' 00" W	
Bimbila		8° 51' 00" N 0° 04' 00" E	172 m
(see also: Bimbilla)			
Bimbilla (see Bimbila)		8° 51' 00" N 0° 04' 00" E	172 m
Bimbilla, 15 mi [=24 km] S		8° 52' 00" N 0° 04' 00" E	
Bimpong Forest Reserve		5° 43' 00" N 1° 28' 00" W	
Birekuso (see Berekuso)		5° 45' 00" N 0° 13' 00" W	160 m
Birekuso, 1 mi [=1.6 km] N (see Berekuso, 1 mi [=1.6 km] N)		5° 45' 00" N 0° 13' 00" W	160 m
Bodomase (see Bodomasi)		6° 53' 37" N 1° 15' 19" W	369 m
Bodomasi		6° 53' 37" N 1° 15' 19" W	369 m
(see also: Abodomasi, Bodomase, Ksi, 58 km from)			
Bogoso		5° 34' 00" N 2° 01' 00" W	84 m
Bogoso Mines		5° 34' 00" N 2° 01' 00" W	
Boi-Tano Forest Reserve		5° 32' 00" N 2° 37' 00" W	
Bootry (see Butre)		4° 49' 00" N 1° 55' 00" W	0 m
Bosomtwe, lake (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Bosum, lake (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Bosumtivi, lake (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Bosumtwe, lake (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Bosumtwi, lake		6° 30' 00" N 1° 25' 00" W	
(see also: Bosomtwe, lake, Bosum, lake, Bosumtivi, lake, Bosumtwe, lake, Busumtwi, lake, Lake Bosomtwe, Lake Bosumtivi, Lake Bosumtivi Konlanasi, Lake Bosumtwe, Lake Bosumtwi, Lake Bosumtwi Konlanasi, Lake Busumtwi)			
Boti Falls, 20 mi N Korforidua		6° 22' 00" N 0° 19' 00" W	
(see also: Korforidua, 20 mi [=32 km] N)			
Boutry River (see Butre)		4° 49' 00" N 1° 55' 00" W	0 m
Brahababum (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Brong Ahafo region			
Bungeli, near (see Bungweli, near)	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Bungueli, near (see Bungweli, near)	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Bungweli, near	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
(see also: Bungeli, near, Bungueli, near)			
Bunso			
Busumtwi, lake (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Busunu, 30 - 33 mi from Damongo		9° 09' 00" N 1° 30' 00" W	145 m
Butre		4° 49' 00" N 1° 55' 00" W	0 m
(see also: Bootry, Boutry River, Butrl)			
Butrl (see Butre)		4° 49' 00" N 1° 55' 00" W	0 m
Cabo Corso (see Cape Coast)		5° 06' 00" N 1° 15' 00" W	0 m

Cape Coast		5° 06' 00" N 1° 15' 00" W	0 m
(see also: Cabo Corso, Cape Coast Castle, Igua Ogwa, Ogwa)			
Cape Coast Castle (see Cape Coast)		5° 06' 00" N 1° 15' 00" W	0 m
Central region			
Côte d'Or			
Dadoya, 7 mi W			
Damango Scarps, About 17 mi to Rocks, near Mole river		9° 03' 00" N 1° 36' 00" W	
Damango, near		9° 15' 00" N 1° 45' 00" W	
Damongo		9° 05' 00" N 1° 49' 00" W	230 m
Damongo, 1 mi [=1.6 km] NE		9° 04' 00" N 1° 45' 00" W	
Damongo, 30 - 33 mi [=48 - 53 km] from		9° 16' 00" N 1° 30' 00" W	
Dano (see Aflao)		6° 07' 04" N 1° 11' 34" E	61 m
Dano (see Denu)		6° 05' 55" N 1° 08' 50" E	60 m
Danoe (see Denu)		6° 05' 55" N 1° 08' 50" E	60 m
Danu (see Denu)		6° 05' 55" N 1° 08' 50" E	60 m
Dena (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Denu		6° 05' 55" N 1° 08' 50" E	60 m
(see also: Dano, Danoe, Danu)			
Dormaa Ahenkro		7° 17' 00" N 2° 53' 00" W	269 m
(see also: Ahinkrom, Pamu)			
Doyum		5° 54' 00" N 0° 01' 00" E	46 m
(see also: Doyumu)			
Doyumu (see Doyum)		5° 54' 00" N 0° 01' 00" E	46 m
Draw River Forest Reserve		5° 12' 00" N 2° 20' 00" W	
Dunkwa		5° 58' 00" N 1° 47' 00" W	117 m
Dwaaso (see Juaso)		6° 35' 00" N 1° 07' 00" W	218 m
Dwokwaa (see Jukwa)		5° 16' 00" N 1° 20' 00" W	74 m
Eastern region			
Edina (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Edubiase, 15 mi [=24 km] S (see New Edubiase)		6° 04' 00" N 1° 24' 00" W	152 m
Efeipo Krom		4° 57' 00" N 1° 52' 00" W	
Egyambra (see Ajemra)		4° 49' 00" N 2° 11' 00" W	0 m
Elemina (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Elima and Cape Coast, between	ca.	5° 05' 00" N 1° 15' 00" W	
Elmina		5° 05' 00" N 1° 21' 00" W	0 m
(see also: Dena, Edina, Elemina, Fort St. George, Saint George Del Mina, St. George d'Elmina)			
Esamang, 32 mi [=51.5 km] W (see Prestea, 32 mi [=51.5 km] W)		5° 23' 00" N 2° 28' 00" W	
Fort Bladenburg (see Princes Town)		4° 47' 36" N 2° 08' 04" W	0 m
Fort St. George (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Fort William (see Anomabu)		5° 10' 00" N 1° 07' 00" W	0 m
Fra Fra Country	ca.	10° 30' 00" N 0° 30' 00" W	
Gabi (see Kpandu)		7° 00' 00" N 0° 18' 00" E	151 m
Gambaga		10° 32' 00" N 0° 26' 32" W	312 m
Gawso		6° 48' 00" N 2° 31' 00" W	188 m
(see also: Goaso, Gooso)			
Gbele Game Production Reserve		10° 31' 18" N 2° 13' 22" W	200 m
(see also: Gbele Resource Reserve)			
Gbele Resource Reserve (see Gbele Game Production Reserve)		10° 31' 18" N 2° 13' 22" W	200 m
Ghana			
Goaso (see Gawso)		6° 48' 00" N 2° 31' 00" W	188 m
Gold Coast	ca.	5° 20' 00" N 0° 45' 00" W	
(see also: Goldküste)			
Goldküste (see Gold Coast)	ca.	5° 20' 00" N 0° 45' 00" W	
Gooso (see Gawso)		6° 48' 00" N 2° 31' 00" W	188 m
Greater Accra region			
Gukstenar			
Han, about 25 mi [=40 km] SE, between Kulpawn and Yelibifuo Rivers	ca.	10° 15' 00" N 2° 09' 00" W	
Ho		6° 36' 00" N 0° 28' 00" E	153 m
Igua Ogwa (see Cape Coast)		5° 06' 00" N 1° 15' 00" W	0 m
Impriso			
Insuaim (see Oda)		5° 55' 00" N 0° 59' 00" W	218 m
Javiefe			
Juaso		6° 35' 00" N 1° 07' 00" W	218 m
(see also: Dwaaso)			
Jukwa		5° 16' 00" N 1° 20' 00" W	74 m
(see also: Dwokwaa)			
Kade Agricultural Research Station		6° 05' 00" N 0° 50' 00" W	127 m
Kade Agricultural Research Station, SE		6° 05' 00" N 0° 50' 00" W	127 m
Kade, 11 km NE		6° 07' 00" N 0° 34' 00" W	
Kade, 6 mi [=9.7 km] N		6° 10' 00" N 0° 50' 00" W	

Kade, 6 mi [=9.7 km] NW		6° 09' 00" N 0° 54' 00" W	
Kade, 7 mi [=11.3 km] NE		6° 09' 00" N 0° 45' 00" W	
Kadjebi (see Kadjiebi)		7° 32' 00" N 0° 28' 00" E	281 m
Kadjiebi		7° 32' 00" N 0° 28' 00" E	281 m
(see also: Kadjebi, Kagyebi, Kajiebi)			
Kagyebi (see Kadjiebi)		7° 32' 00" N 0° 28' 00" E	281 m
Kajiebi (see Kadjiebi)		7° 32' 00" N 0° 28' 00" E	281 m
Keta		5° 55' 00" N 0° 59' 00" E	48 m
(see also: Kitta, Kwitta, Quittah)			
Kete (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kete Krachi		7° 48' 00" N 0° 01' 00" W	83 m
(see also: Kete, Kete Krakye, Kete Kratchi, Kete-Kratschi, Kete-Ktachi, Krachi, Krete Kratschi)			
Kete Krakye (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kete Kratchi (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kete-Kratschi (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kete-Ktachi (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Kintampo		8° 03' 00" N 1° 43' 00" W	288 m
Kitta (see Keta)		5° 55' 00" N 0° 59' 00" E	48 m
Koforidua		6° 05' 00" N 0° 15' 00" W	238 m
Kojali Bach	ca.	6° 30' 00" N 1° 25' 00" W	
Kokofu		7° 43' 00" N 0° 53' 00" W	151 m
(see also: Kokofu Dente)			
Kokofu Dente (see Kokofu)		7° 43' 00" N 0° 53' 00" W	151 m
Kongo mines			
Konkori, NE	ca.	9° 36' 00" N 1° 46' 00" W	ca. 350 m
Konkori, NE escarpment top	ca.	9° 40' 00" N 1° 45' 00" W	
Kononga		6° 37' 00" N 1° 13' 00" W	231 m
Korforidua, 20 mi [=32 km] N (see Boti Falls)		6° 22' 00" N 0° 19' 00" W	
Kosombo (see Akosombo)		6° 18' 00" N 0° 03' 00" E	76 m
Kpando		7° 00' 00" N 0° 18' 00" E	151 m
Kpandu		7° 00' 00" N 0° 18' 00" E	151 m
(see also: Gabi, Kpaudu, Tsakpe)			
Kpaudu (see Kpandu)		7° 00' 00" N 0° 18' 00" E	151 m
Kpeve		6° 41' 00" N 0° 20' 00" E	188 m
(see also: Kpeve Gbohome, Kpeve Gboyeme)			
Kpeve Gbohome (see Kpeve)		6° 41' 00" N 0° 20' 00" E	188 m
Kpeve Gboyeme (see Kpeve)		6° 41' 00" N 0° 20' 00" E	188 m
Krachi (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Krete Kratschi (see Kete Krachi)		7° 48' 00" N 0° 01' 00" W	83 m
Krobo, mountain		6° 04' 59" N 0° 03' 00" E	
(see also: Mount Krobo)			
Krokosua Hills Forest Reserve, near Mmem village	ca.	6° 37' 00" N 2° 51' 00" W	
Ksi (see Kumasi)		6° 41' 00" N 1° 37' 00" W	246 m
Ksi Forest Reserve (see Kumasi area)	ca.	6° 40' 00" N 1° 36' 00" W	
(see also: Ksi Forest Reserve, Town 5 km from)			
Ksi Forest Reserve, Town 5 km from (see Ksi Forest Reserve)	ca.	6° 40' 00" N 1° 36' 00" W	
Ksi, 17 mi [=27 km] from (see Ankasi)		6° 39' 00" N 1° 22' 00" W	217 m
Ksi, 58 km from (see Bodomasi)		6° 53' 37" N 1° 15' 19" W	369 m
Kumasi		6° 41' 00" N 1° 37' 00" W	246 m
(see also: Ksi)			
Kumasi Agricultural Station (see Kumasi, UST Agricultural Farm)		6° 45' 00" N 1° 34' 00" W	246 m
Kumasi area	ca.	6° 40' 00" N 1° 36' 00" W	
(see also: Ksi Forest Reserve, Kusasi area)			
Kumasi University		6° 41' 00" N 1° 37' 00" W	246 m
Kumasi, 17 mi [=27 km] from (see Ankasi)		6° 39' 00" N 1° 22' 00" W	217 m
Kumasi, 17 mi [=27.4 km] from, Lakeside		6° 45' 00" N 1° 35' 00" W	
Kumasi, 38 mi [=61 km] NE (see Akrochire)		6° 56' 00" N 1° 20' 00" W	282 m
Kumasi, 60 mi [=90 km] W (see Bibianaha), Inland from Denkwa		6° 28' 00" N 2° 20' 00" W	720 ft
Kumasi, near	ca.	6° 40' 00" N 1° 35' 00" W	
Kumasi, UST Agricultural Farm		6° 45' 00" N 1° 34' 00" W	246 m
(see also: Kumasi Agricultural Station)			
Kumasi-Dunkwa road		6° 40' 00" N 1° 35' 00" W	
Kumawu		6° 54' 00" N 1° 17' 00" W	439 m
Kunjuruma			
Kusasi area (see Kumasi area)	ca.	6° 40' 00" N 1° 36' 00" W	
Kuuni, 48 km (see Mpesetia)		6° 39' 00" N 1° 51' 00" W	226 m
Kuuni, 48 mi [=77 km] from (see Mpesetia), 48 mi [=77 km] from Kumasi		6° 39' 00" N 1° 51' 00" W	226 m
Kuuni, 77 km (see Mpesetia)		6° 39' 00" N 1° 51' 00" W	226 m
Kwabenya, Legon, near Accra		5° 41' 18" N 0° 14' 43" W	88 m
Kwahu mountains	ca.	6° 40' 00" N 0° 40' 00" W	
Kwitta (see Keta)		5° 55' 00" N 0° 59' 00" E	48 m

Lake Bosomtwe (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtivi (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtivi Konlanasi (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtwe (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtwi (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Bosumtwi Konlanasi (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Lake Busumtwi (see Bosumtwi, lake)		6° 30' 00" N 1° 25' 00" W	
Larabanga, near	ca.	9° 13' 00" N 1° 51' 00" W	189 m
(see also: Laribanga, near)			
Laribanga, near (see Larabanga, near)	ca.	9° 13' 00" N 1° 51' 00" W	189 m
Larteh Junction, 2 km from Larteh	ca.	5° 54' 00" N 0° 04' 00" W	
(see also: Larteh, 2 km from)			
Larteh, 2 km from (see Larteh Junction)	ca.	5° 54' 00" N 0° 04' 00" W	
Larteh, 3 km S	ca.	5° 56' 00" N 0° 04' 00" W	
Larteh, 5 km S	ca.	5° 56' 00" N 0° 04' 00" W	
Lawra, Mouhoun river	ca.	10° 39' 00" N 2° 52' 00" W	253 m
Legion (see Legon), 9 mi [=14.5 km] NNE Accra		5° 39' 00" N 0° 11' 00" W	30 m
Legion Folly			
Legon, 9 mi [=14.5 km] NNE Accra		5° 39' 00" N 0° 11' 00" W	30 m
(see also: Accra, 9 mi [=14.5 km] NNE, Legion, Legon University, University of Ghana)			
Legon University (see Legon)		5° 39' 00" N 0° 11' 00" W	75 m
Legon, 1 mi [=1.6 km] N	ca.	5° 39' 00" N 0° 11' 00" W	
Legon, 10 mi [=16 km] N (see Aburi hills)		5° 46' 59" N 0° 10' 59" W	
Leklebi Agbesia		6° 56' 00" N 0° 29' 00" E	
Lovi Camp		9° 27' 00" N 1° 58' 00" W	
Mafia		6° 27' 00" N 2° 56' 00" W	159 m
(see also: Sefwi Mafra)			
Magazine	ca.	5° 50' 00" N 0° 05' 00" E	
Magazine, hill top near	ca.	5° 50' 00" N 0° 05' 00" E	
Mamfe		5° 55' 59" N 0° 07' 00" W	424 m
Mampon (see Mampong), Lakeside		7° 04' 00" N 1° 24' 00" W	385 m
Mampon Asante (see Mampong), Lakeside		7° 04' 00" N 1° 24' 00" W	385 m
Mampong, Lakeside		7° 04' 00" N 1° 24' 00" W	385 m
(see also: Mampon, Mampon Asante, Mapon, MomPort)			
Mankesim		5° 16' 00" N 1° 01' 00" W	74 m
(see also: Mankesin, Mankessim, Nankasi)			
Mankesim, near	ca.	5° 16' 00" N 1° 01' 00" W	ca. 75 m
(see also: Mankesin, vicinity of)			
Mankesin (see Mankesim)		5° 16' 00" N 1° 01' 00" W	74 m
Mankesin, vicinity of (see Mankesim, near)	ca.	5° 16' 00" N 1° 01' 00" W	ca. 75 m
Mankessim (see Mankesim)		5° 16' 00" N 1° 01' 00" W	74 m
Mapon (see Mampong), Asheki		7° 04' 00" N 1° 24' 00" W	385 m
Masabia Hshubi		7° 04' 00" N 1° 24' 00" W	385 m
Mim		6° 54' 00" N 2° 34' 00" W	226 m
(see also: Mmem village)			
Misahöhe		6° 57' 00" N 0° 06' 00" E	
(see also: Missahohé)			
Missahohé (see Misahöhe)		6° 57' 00" N 0° 06' 00" E	
Mmem village (see Mim)		6° 54' 00" N 2° 34' 00" W	226 m
Mole Game Reserve		9° 50' 00" N 1° 49' 00" W	
(see also: Mole National Park)			
Mole Game Reserve, river below Headquarters	ca.	9° 50' 00" N 1° 49' 00" W	
Mole Motel, Damongo		9° 50' 00" N 1° 49' 00" W	
Mole Motel, 2nd dam below	ca.	9° 50' 00" N 1° 49' 00" W	
Mole National Park (see Mole Game Reserve)		9° 50' 00" N 1° 49' 00" W	
Mole National Park Headquarters		9° 50' 00" N 1° 49' 00" W	
MomPort (see Mampong), Lakeside		7° 04' 00" N 1° 24' 00" W	385 m
Mount Krobo (see Krobo, mountain)		6° 04' 59" N 0° 03' 00" E	
Mpasaatia (see Mpasatia)		6° 39' 50" N 1° 50' 40" W	
Mpasatia, near Kumasi		6° 39' 50" N 1° 50' 40" W	
(see also: Mpasaatia)			
Mpesetia, Kumasi, 24 mi [=36 km] W		6° 39' 00" N 1° 51' 00" W	226 m
(see also: Kuuni, 48 km, Kuuni, 48 mi [=77 km] from, Kuuni, 77 km, Mpisalia)			
Mpisalia (see Mpesetia), Holok		6° 39' 00" N 1° 51' 00" W	226 m
Mpraeso		6° 35' 00" N 0° 44' 00" W	367 m
Naboggo (see Nabogo)		9° 44' 25" N 0° 49' 29" W	137 m
Nabogo		9° 44' 25" N 0° 49' 29" W	137 m
(see also: Naboggo, Nabugge, Nabuggo)			
Nabugge (see Nabogo)		9° 44' 25" N 0° 49' 29" W	137 m
Nabuggo (see Nabogo)		9° 44' 25" N 0° 49' 29" W	137 m
Nankasi (see Mankesim)		5° 16' 00" N 1° 01' 00" W	74 m
New Edubiase, 15 mi S [=24 km] Edubiase		6° 04' 00" N 1° 24' 00" W	152 m
(see also: Edubiase, 15 mi [=24 km] S)			

New Edubiase, 15 mi [=24 km] S	ca.	6° 04' 00" N 1° 24' 00" W	
Nkaw Nkaw (see Nkawkaw)		6° 33' 00" N 0° 46' 00" W	253 m
Nkawkaw		6° 33' 00" N 0° 46' 00" W	253 m
(see also: Nkaw Nkaw, Nkokoo)			
Nkawkaw, 1 mi [=1.6 km] N		6° 33' 00" N 0° 44' 00" W	
Nkawkaw, 3.25 km N, 1.33 km W		6° 32' 00" N 0° 44' 00" W	
Nkokoo (see Nkawkaw)		6° 33' 00" N 0° 46' 00" W	253 m
Nkwanta, 2 mi [=3.2 km] E (see Odomi)		8° 19' 00" N 0° 31' 00" E	324 m
Northern region			
Nsuaem (see Oda)		5° 55' 00" N 0° 59' 00" W	218 m
Ntronan (see Ntronang)		6° 21' 00" N 1° 05' 00" W	165 m
Ntronane (see Ntronang)		6° 21' 00" N 1° 05' 00" W	165 m
Ntronang		6° 21' 00" N 1° 05' 00" W	165 m
(see also: Ntronan, Ntronane)			
Nuanga Road		5° 33' 00" N 0° 15' 00" W	
Nungoa (see Nungua)		5° 36' 00" N 0° 04' 00" W	0 m
Nungua		5° 36' 00" N 0° 04' 00" W	0 m
(see also: Nungoa, Nungwa)			
Nungwa (see Nungua)		5° 36' 00" N 0° 04' 00" W	0 m
Oboasi		6° 15' 00" N 1° 36' 00" W	
(see also: Oboasi Mines)			
Oboasi Mines (see Oboasi)		6° 15' 00" N 1° 36' 00" W	
Obomen, Mpriaso, near		6° 35' 00" N 0° 45' 00" W	402 m
Oda		5° 55' 00" N 0° 59' 00" W	122 m
(see also: Akim Oda, Insuaim, Nsuaem, Oda Secondary School)			
Oda and Akim, between		5° 54' 00" N 0° 55' 00" W	
Oda district			
Oda Secondary School (see Oda)		5° 55' 00" N 0° 59' 00" W	122 m
Oda, near	ca.	5° 55' 00" N 1° 00' 00" W	
(see also: Akim Oda, near)			
Odome (see Odomi), 2 mi [=3.2 km] E Nkwanta		8° 19' 00" N 0° 31' 00" E	324 m
Odomi, 2 mi [=3.2 km] E Nkwanta		8° 19' 00" N 0° 31' 00" E	324 m
(see also: Nkwanta, 2 mi [=3.2 km] E, Odome, Odomi Jongo)			
Odomi Jongo (see Odomi), 2 mi [=3.2 km] E Nkwanta		8° 19' 00" N 0° 31' 00" E	324 m
Ofinso		6° 54' 00" N 1° 39' 00" W	262 m
(see also: Ofinsu, Old Offinso)			
Ofinsu (see Ofinso)		6° 54' 00" N 1° 39' 00" W	262 m
Ogwa (see Cape Coast)		5° 06' 00" N 1° 15' 00" W	0 m
Oko sombo (see Akosombo)		6° 18' 00" N 0° 03' 00" E	76 m
Okorase		6° 02' 00" N 0° 15' 00" W	207 m
(see also: Okorasi)			
Okorasi (see Okorase)		6° 02' 00" N 0° 15' 00" W	207 m
Old Offinso (see Ofinso)		6° 54' 00" N 1° 39' 00" W	262 m
Pampramase	ca.	6° 40' 00" N 2° 55' 00" W	
Pamu (see Dormaa Ahenkro)		7° 17' 00" N 2° 53' 00" W	269 m
Peki Aventile (see Avetile)		6° 32' 00" N 0° 14' 00" E	307 m
Perisi (see Pirisi)		10° 07' 00" N 2° 27' 00" W	303 m
Pirisi		10° 07' 00" N 2° 27' 00" W	303 m
(see also: Perisi)			
Pong-Tamale		9° 41' 06" N 0° 49' 57" W	146 m
(see also: Pung, Pung Tamale, Tamale)			
Porura (see Aflao)		6° 07' 04" N 1° 11' 34" E	61 m
Pra Suhien Forest Reserve		5° 19' 10" N 1° 26' 49" W	
Pran (see Prang)		7° 59' 00" N 0° 53' 00" W	111 m
Prang		7° 59' 00" N 0° 53' 00" W	111 m
(see also: Pran)			
Prestea, 32 mi [=51.5 km] W		5° 23' 00" N 2° 28' 00" W	
(see also: Esamang, 32 mi [=51.5 km] W)			
Prince (see Princes Town)		4° 47' 36" N 2° 08' 04" W	0 m
Princes Town		4° 47' 36" N 2° 08' 04" W	0 m
(see also: Fort Bladenburg, Prince, Princes Town, 7 mi [=11.3 km] N)			
Princes Town, 7 mi [=11.3 km] N (see Princes Town)	ca.	4° 53' 44" N 2° 08' 29" W	0 m
(see also: Prince's Town, 7 mi [=11.3 km] N)			
Prince's Town, 7 mi [=11.3 km] N (see Princes Town, 7 mi [=11.3 km] N)	ca.	4° 53' 44" N 2° 08' 29" W	
Princess Town, 6 mi [=9.7 km] N (see Animakrom)		4° 50' 12" N 2° 04' 46" W	73 m
Pristia Mines			
Pulima		10° 51' 00" N 2° 03' 00" W	306 m
Pung (see Pong-Tamale)		9° 41' 06" N 0° 49' 57" W	146 m
Pung Tamale (see Pong-Tamale)		9° 41' 06" N 0° 49' 57" W	146 m
Quittah (see Keta)		5° 55' 00" N 0° 59' 00" E	48 m
Saint George Del Mina (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Sakpa		8° 52' 00" N 2° 21' 00" W	255 m

Samole Motel Camp		9° 17' 00" N 1° 47' 00" W	
Saruwi river		5° 06' 00" N 1° 19' 00" W	
(see also: Sirwi river, Suruwi river, Suwi river)			
Sawla, 15 mi [=24 km] E	ca.	9° 17' 00" N 2° 25' 00" W	
Schiare (see Shiare)		8° 18' 00" N 0° 36' 00" E	728 m
Sefwi Anwiawso		6° 19' 50" N 2° 15' 00" W	
(see also: Anhwieso, Anwiaswo, Brahababum, Sefwi Awiaso, Sehwi Anhwiaso, Sehwi Awiaso, Sewhi Wiaso)			
Sefwi Asemparaye (see Asampaniye)		6° 30' 00" N 2° 54' 00" W	251 m
Sefwi Asenparage (see Asampaniye)		6° 30' 00" N 2° 54' 00" W	251 m
Sefwi Awiaso (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Sefwi Mafra (see Mafia)		6° 27' 00" N 2° 56' 00" W	159 m
Sehwi Anhwiaso (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Sehwi Awiaso (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Sekondi		4° 56' 00" N 1° 42' 00" W	0 m
Setwi, Base Camp, 16 mi from Setwi		6° 27' 00" N 1° 28' 00" W	
Sewhi Wiaso (see Sefwi Anwiawso)		6° 19' 50" N 2° 15' 00" W	
Shai Hills		5° 54' 30" N 0° 03' 41" E	
Shai Hills Game Reserve		5° 57' 00" N 0° 04' 00" E	
(see also: Shai Hills Resource Reserve)			
Shai Hills Resource Reserve (see Shai Hills Game Reserve)		5° 57' 00" N 0° 04' 00" E	
Shai Hills Resources Reserve, North End		5° 57' 00" N 0° 04' 00" E	
Shiare		8° 18' 00" N 0° 36' 00" E	728 m
(see also: Schiare, Siade)			
Shishe		10° 42' 00" N 0° 13' 00" W	213 m
(see also: Shishie)			
Shishie (see Shishe)		10° 42' 00" N 0° 13' 00" W	213 m
Siade (see Shiare)		8° 18' 00" N 0° 36' 00" E	728 m
Simpa (see Winneba)		5° 20' 00" N 0° 37' 00" W	0 m
Sirwi river (see Saruwi river)		5° 06' 00" N 1° 19' 00" W	
Sogakofe		6° 00' 00" N 0° 36' 00" E	48 m
(see also: Sogakope, Sogakorpe, Sogankofe)			
Sogakofe			
Sogakope (see Sogakofe)		6° 00' 00" N 0° 36' 00" E	48 m
Sogakorpe (see Sogakofe)		6° 00' 00" N 0° 36' 00" E	48 m
Sogankofe (see Sogakofe)		6° 00' 00" N 0° 36' 00" E	48 m
Somanya, 3.2 km E	ca.	6° 06' 00" N 0° 01' 00" W	
St. George d'Elmina (see Elmina)		5° 05' 00" N 1° 21' 00" W	0 m
Subinagya (see Subinja), 2 mi E Wenchi		7° 44' 00" N 2° 04' 00" W	290 m
Subinja, 2 mi [=3 km] E Wenchi		7° 44' 00" N 2° 04' 00" W	290 m
(see also: Asubengya, Subinagya)			
Suhum, 2.4 mi [=3.9 km] E	ca.	6° 02' 00" N 0° 27' 00" W	
Suruwi river (see Saruwi river)		5° 06' 00" N 1° 19' 00" W	
Suwi river (see Saruwi river)		5° 06' 00" N 1° 19' 00" W	
Tafo			
Takoradi		4° 53' 00" N 1° 45' 00" W	
Takwa Mines		5° 28' 00" N 0° 51' 00" W	74 m
Tamale (see Pong-Tamale)		9° 41' 06" N 0° 49' 57" W	146 m
Tassi (see Teshi)		5° 35' 00" N 0° 06' 00" W	68 m
Teshi		5° 35' 00" N 0° 06' 00" W	68 m
(see also: Tassi, Teshie)			
Teshie (see Teshi)		5° 35' 00" N 0° 06' 00" W	68 m
Tinkon, 3 mi [=4.8 km] NW (see Tinkong, 3 mi [=4.8 km] NW)	ca.	5° 59' 00" N 0° 14' 00" W	171 m
Tinkong, 3 mi [=4.8 km] NW	ca.	5° 59' 00" N 0° 14' 00" W	171 m
(see also: Tinkon, 3 mi [=4.8 km] NW)			
Todzi			
Tsakpe (see Kpandu)		7° 00' 00" N 0° 18' 00" E	151 m
Tsibu, 2 mi [=3.2 km] SSW	ca.	6° 34' 00" N 0° 17' 00" E	248 m
Tsibu, 7 mi [=11.3 km] N	ca.	6° 34' 00" N 0° 17' 00" E	
Tumu area	ca.	10° 53' 00" N 1° 59' 00" W	ca. 300 m
Tutu		5° 53' 00" N 0° 09' 00" W	305 m
Undefined locality (Eastern region)		6° 45' 00" N 1° 30' 00" W	
Undefined locality (Western region)	ca.	6° 00' 00" N 3° 00' 00" W	
University of Ghana (see Legon)		5° 39' 00" N 0° 11' 00" W	75 m
Upper (province)			
Upper East region			
Upper West or Upper East region			
Upper West region			
Volta region			
Voulkhé-Sokhani (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Weija		5° 34' 00" N 0° 20' 00" W	74 m
Wenchi		7° 44' 00" N 2° 06' 00" W	303 m
Western region			

Wiawso, Bekwai, Setwi base camp, Setwi, 16mi		6° 27' 00" N 1° 28' 00" W	
Winneba		5° 20' 00" N 0° 37' 00" W	0 m
(see also: Simpa, Winnebah)			
Winnebah (see Winneba)		5° 20' 00" N 0° 37' 00" W	0 m
Wli Afegame, Agumatsa River		7° 08' 00" N 0° 35' 00" E	415 m
Wli Waterfall, Agumatsa River, near Afegame	ca.	7° 08' 00" N 0° 35' 00" E	
Wora Wora (see Worawora)		7° 31' 00" N 0° 22' 00" E	217 m
Worawora		7° 31' 00" N 0° 22' 00" E	217 m
(see also: Wora Wora)			
Wulasi		8° 39' 18" N 0° 00' 05" W	
(see also: Voulkhé-Sokhani , Wulehe Sokhani, Wulehe-Sochani, Wulenchi , Wulensi , Wulentschi , Wuleschi)			
Wulehe Sokhani (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wulehe-Sochani (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wulenchi (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wulensi (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wulentschi (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Wuleschi (see Wulasi)		8° 39' 18" N 0° 00' 05" W	
Yabiraso (see Yabraso)		7° 34' 00" N 1° 11' 00" W	152 m
Yabraso		7° 34' 00" N 1° 11' 00" W	152 m
(see also: Yabiraso, Yabraso Number 1)			
Yabraso Number 1 (see Yabraso)		7° 34' 00" N 1° 11' 00" W	152 m
Yanfori, near Dukwa		5° 59' 00" N 1° 45' 00" W	

Guinea:

2002 RAP Site 1		8° 31' 52" N 8° 54' 21" W	1350 m
2002 RAP Site 2		8° 31' 29" N 8° 56' 12" W	600 m
Balouma area, 25 km NW Macenta		8° 39' 00" N 9° 38' 00" W	609 m
(see also: Macenta, 25 km NW)			
Beyla prefecture	ca.	8° 55' 00" N 8° 25' 00" W	
Boffa prefecture			
Boké prefecture			
Boussoura, 32 km SW Koundara		12° 17' 00" N 13° 03' 00" W	100 m
(see also: Koundara, 32 km SW)			
Canga-Moribadou Road, 2nd bridge on		8° 35' 36" N 8° 51' 26" W	ca. 750 m
Conakry		9° 30' 33" N 13° 42' 44" W	0 m
(see also: Konakri, Konakry)			
Conakry Island	ca.	9° 30' 00" N 13° 40' 00" W	
Conakry prefecture			
Coya (see Coyah)		9° 42' 20" N 13° 22' 37" W	95 m
Coyah, Guinee-Maritime		9° 42' 20" N 13° 22' 37" W	95 m
(see also: Coya, Guinee-Maritime, cave, Koya)			
Coyah prefecture			
Dabola prefecture			
Dalaba		10° 42' 00" N 12° 15' 00" W	1190 m
(see also: Grotte du Marché, Marché, grotte du, Market cave)			
Dalaba prefecture			
Debreeka (see Dubréka)		9° 47' 28" N 13° 31' 24" W	74 m
Dinguiraye prefecture			
Dubréka		9° 47' 28" N 13° 31' 24" W	74 m
(see also: Debreeka, Dubreka, Soumba o Dubreka)			
Dubreka (see Dubréka)		9° 47' 28" N 13° 31' 24" W	74 m
Dubréka prefecture			
Faranah prefecture			
Foko Confluence		8° 29' 49" N 8° 54' 48" W	737 m
Forécariah prefecture			
Fouta Djallon, mount (see Foutadjalon, mount)		11° 30' 00" N 12° 30' 00" W	950 m
Fouta Djallon, mount (see Foutadjalon, mount)		11° 30' 00" N 12° 30' 00" W	950 m
Foutadjalon, mount		11° 30' 00" N 12° 30' 00" W	950 m
(see also: Fouta Djallon, mount)			
Foutadjalon, mount		11° 30' 00" N 12° 30' 00" W	950 m
(see also: Fouta Djallon, mount)			
Fressoudou	ca.	9° 08' 00" N 8° 54' 00" W	
Fria prefecture			
Gaoual prefecture			
Garrigues, cave (see Grotte Garrigues)	ca.	10° 10' 23" N 12° 31' 05" W	
Gbaolé		7° 26' 30" N 9° 14' 34" W	482 m
Gbié		7° 39' 55" N 8° 19' 10" W	508 m
Gouan		7° 41' 24" N 8° 23' 24" W	
Grotte de Zié (see Zié cave)	ca.	7° 44' 00" N 8° 22' 00" W	
Grotte du Marché (see Dalaba)		10° 42' 00" N 12° 15' 00" W	1190 m

Grotte Garrigues, 4 km NE Souguéta	ca.	10° 10' 23" N 12° 31' 05" W	
(see also: Garrigues, cave, Souguéta, 4 km NE)			
Guéckédou prefecture			
Guinea			
Guinee-Maritime, cave (see Coyah)		9° 42' 20" N 13° 22' 37" W	95 m
Kallendu, 19 km N Labé		11° 25' 55" N 12° 35' 38" W	950 m
(see also: Labé, 19 km N)			
Kanghan, Hotel de la Gar		10° 29' 00" N 12° 23' 00" W	
(see also: Kan-Han)			
Kan-Han (see Kanghan), Hotel de la Gar		10° 29' 00" N 12° 23' 00" W	
Kanka Sili		10° 11' 00" N 12° 29' 00" W	
(see also: Kankasali, Kankasili)			
Kankan prefecture			
Kankasali (see Kanka Sili)		10° 11' 00" N 12° 29' 00" W	
Kankasili (see Kanka Sili)		10° 11' 00" N 12° 29' 00" W	
Kankasili and Souguéta, between	ca.	10° 10' 09" N 12° 31' 22" W	
Keoulenta		7° 40' 48" N 8° 18' 36" W	450 m
Kérouané prefecture			
Kindia		10° 04' 00" N 12° 51' 00" W	338 m
(see also: Kindla)			
Kindia prefecture			
Kindla (see Kindia)		10° 04' 00" N 12° 51' 00" W	338 m
Kissidougou prefecture			
Kolenté		10° 06' 00" N 12° 37' 00" W	148 m
(see also: La Kolenté, Yogorania, Yogoronia)			
Kolente, 10 km W	ca.	10° 05' 00" N 12° 30' 00" W	400 m
Kolente, 12 km W (see Nyembaro)		10° 05' 00" N 12° 30' 00" W	
Konakri (see Conakry)		9° 30' 33" N 13° 42' 44" W	0 m
Konakry (see Conakry)		9° 30' 33" N 13° 42' 44" W	0 m
(see also: Great Forest of the East)			
Koubia prefecture			
Koundara prefecture		12° 25' 00" N 13° 10' 00" W	
Koundara, 32 km SW (see Boussoura)		12° 17' 00" N 13° 03' 00" W	100 m
Kouroussa		10° 39' 00" N 9° 53' 00" W	362 m
(see also: Kurussa)			
Kouroussa prefecture			
Kouroussa, near	ca.	10° 39' 00" N 9° 53' 00" W	
Koya (see Coyah)		9° 42' 20" N 13° 22' 37" W	95 m
Kurussa (see Kouroussa)		10° 39' 00" N 9° 53' 00" W	362 m
La Kolenté (see Kolenté)		10° 06' 00" N 12° 37' 00" W	148 m
Labé prefecture			
Labé, 19 km N (see Kallendu)		11° 25' 55" N 12° 35' 38" W	950 m
Lélouma prefecture			
Lola prefecture			
Macenta		8° 32' 46" N 9° 28' 10" W	598 m
(see also: Magenta)			
Macenta prefecture			
Macenta, 25 km NW (see Balouma area)		8° 39' 00" N 9° 38' 00" W	609 m
Magenta (see Macenta)		8° 32' 46" N 9° 28' 10" W	598 m
Mali prefecture			
Mamou		10° 23' 00" N 12° 05' 00" W	737 m
Mamou prefecture			
Mandiana prefecture			
Marché, grotte du (see Dalaba)		10° 42' 00" N 12° 15' 00" W	1190 m
Market cave (see Dalaba)		10° 42' 00" N 12° 15' 00" W	1190 m
Molard (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Mont Richard-Molard (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Mount Nimba (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Mount Richard-Molard (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Nimba, mount		7° 37' 00" N 8° 25' 00" W	
(see also: Molard, Mont Richard-Molard, Mount Nimba, Mount Richard-Molard, Richard, mont, Richard-Molard, mount)			
Nioumouya Forest		7° 39' 36" N 8° 22' 48" W	
(see also: Nioumouya River)			
Nioumouya River (see Nioumouya Forest)		7° 39' 36" N 8° 22' 48" W	
Nyembaro, 12 km W Kolente		10° 05' 00" N 12° 30' 00" W	
(see also: Kolente, 12 km W)			
Nzérékore prefecture			
(see also: N'Zérékoré prefecture |PC:NZ|)			
N'ZérPC:NZ|)			
Ouassou (see Wassou)		10° 02' 00" N 13° 39' 00" W	58 m
Oueleba		8° 35' 38" N 8° 53' 47" W	1029 m
Oueleba-Dump		8° 37' 08" N 8° 53' 14" W	
Ouossou (see Wassou)		10° 02' 00" N 13° 39' 00" W	58 m

Park National du Haut Niger	ca.	10° 17' 06" N 10° 07' 20" W	
(see also: Upper Niger National Park)			
Pic de Foko		8° 29' 35" N 8° 53' 48" W	1289 m
Pita		11° 05' 00" N 12° 25' 00" W	913 m
Pita area	ca.	11° 05' 00" N 12° 25' 00" W	
Pita prefecture			
Réserve de la Biosphère du Massif du Ziama (see Ziama, Biosphere reserve), near Park Station, W edge of Séréddou	ca.	8° 22' 00" N 9° 18' 00" W	
Richard, mont (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Richard-Molard, mount (see Nimba, mount)		7° 37' 00" N 8° 25' 00" W	
Salung Plat			
Samedou (see Samédougou)		9° 00' 00" N 8° 54' 00" W	698 m
Samédougou		9° 00' 00" N 8° 54' 00" W	698 m
(see also: Samedou)			
Sérédou		8° 22' 56" N 9° 17' 59" W	
(see also: Seredou)			
Seredou (see Sérédou)		8° 22' 56" N 9° 17' 59" W	
Siguiri prefecture			
Souguéta, 4 km NE (see Grotte Garrigues)	ca.	10° 10' 23" N 12° 31' 05" W	
Soumba o Dubreka (see Dubréka)		9° 47' 28" N 13° 31' 24" W	74 m
Tahiré, foot Keleisi Plateau		9° 51' 00" N 12° 47' 00" W	144 m
(see also: Taïré)			
Taïré (see Tahiré), foot Keleisi Plateau		9° 51' 00" N 12° 47' 00" W	144 m
Télimélé prefecture			
Tougoué prefecture			
Tourela, 2.3 km E		8° 30' 32" N 8° 57' 00" W	621 m
Upper Niger National Park (see Park National du Haut Niger)	ca.	10° 17' 06" N 10° 07' 20" W	
Wassou		10° 02' 00" N 13° 39' 00" W	58 m
(see also: Ouassou, Ouossou)			
Western Spur Valley		8° 33' 26" N 8° 55' 16" W	ca. 900 m
Whiskey 1		8° 32' 56" N 8° 53' 57" W	1175 m
Yogorania (see Kolenté)		10° 06' 00" N 12° 37' 00" W	148 m
Yogoronia (see Kolenté)		10° 06' 00" N 12° 37' 00" W	148 m
Yomou prefecture	ca.	7° 30' 00" N 9° 10' 00" W	
Ziama, Biosphere reserve, near Park Station, W edge of Séréddou	ca.	8° 22' 00" N 9° 18' 00" W	
(see also: Réserve de la Biosphère du Massif du Ziama, Ziama, Réserve de la Biosphère du Massif du)			
Ziama, Réserve de la Biosphère du Massif du (see Ziama, Biosphere reserve), near Park Station, W edge of Séréddou	ca.	8° 22' 00" N 9° 18' 00" W	
Zié cave	ca.	7° 44' 00" N 8° 22' 00" W	
(see also: Grotte de Zié)			
Ziéla		7° 42' 46" N 8° 21' 33" W	529 m
Zogota (mine)	ca.	7° 53' 10" N 9° 01' 24" W	
Zouguépo		7° 42' 20" N 8° 24' 26" W	526 m

Guinea-Bissau:

"Bissao Senegambia"			
Bafatá region			
Biombo region			
Bissalanca		11° 53' 00" N 15° 41' 00" W	21 m
Bissan island (see Bissau island)		11° 52' 00" N 15° 39' 00" W	
Bissao (see Bissau)		11° 51' 00" N 15° 35' 00" W	0 m
Bissau		11° 51' 00" N 15° 35' 00" W	0 m
(see also: Bissao, São José de Bissáu)			
Bissau island		11° 52' 00" N 15° 39' 00" W	
(see also: Bissan island)			
Bissau region			
Bissorã		12° 13' 23" N 15° 26' 51" W	39 m
(see also: Bissoram)			
Bissoram (see Bissorã)		12° 13' 23" N 15° 26' 51" W	39 m
Boa Esperança (see Ponta Boa Esperança)		11° 53' 00" N 15° 46' 00" W	22 m
Boé (see Madina do Boé)		11° 45' 00" N 14° 13' 00" W	76 m
Bolama		11° 35' 00" N 15° 28' 00" W	0 m
(see also: Boloma, Bulama, Port Beaver)			
Bolama Island		11° 34' 00" N 15° 33' 00" W	
Bolama region			
(see also: Bolama-Bijagos region |PC:BL|)			
BolamPC:BL|)			
Boloma (see Bolama)		11° 35' 00" N 15° 28' 00" W	0 m

Bulama (see Bolama)		11° 35' 00" N 15° 28' 00" W	0 m
Cacheu region			
Catió		11° 17' 00" N 15° 15' 00" W	0 m
Contubo-el		12° 23' 00" N 14° 34' 00" W	
Enchalé (see Enxalé)		11° 59' 00" N 14° 58' 00" W	8 m
Enxalé		11° 59' 00" N 14° 58' 00" W	8 m
(see also: Enchalé)			
Formosa Island		11° 29' 00" N 15° 58' 00" W	
(see also: Ilha de Formosa)			
Gabú region			
Guinea-Bissau			
Gunnal		12° 18' 40" N 15° 47' 22" W	1 m
Ilha de Formosa (see Formosa Island)		11° 29' 00" N 15° 58' 00" W	
Madina (see Madina do Boé)		11° 45' 00" N 14° 13' 00" W	76 m
Madina Boé (see Madina do Boé)		11° 45' 00" N 14° 13' 00" W	76 m
Madina do Boé		11° 45' 00" N 14° 13' 00" W	76 m
(see also: Boé, Madina, Madina Boé, Medina de Boa)			
Mansôa		12° 04' 24" N 15° 19' 08" W	3 m
(see also: Mansoa, Porto Mansoa)			
Mansoa (see Mansôa)		12° 04' 24" N 15° 19' 08" W	3 m
Mansôa [1204N 1519W] or Pitche [12 20 N 13 57 W]			
Mansôa [1204N 1519W], Contubo-el [1222N 1434W] or Pitche [1220N 1357W]			
Medina de Boa (see Madina do Boé)		11° 45' 00" N 14° 13' 00" W	76 m
Oio region			
Piche (see Pitche)		12° 20' 00" N 13° 57' 00" W	64 m
Pitche		12° 20' 00" N 13° 57' 00" W	64 m
(see also: Piche)			
Ponta Boa Esperança		11° 53' 00" N 15° 46' 00" W	22 m
(see also: Boa Esperança, Ponta Robalo)			
Ponta de Marques Mano		11° 52' 00" N 15° 46' 00" W	
Ponta Robalo (see Ponta Boa Esperança)		11° 53' 00" N 15° 46' 00" W	22 m
Port Beaver (see Bolama)		11° 35' 00" N 15° 28' 00" W	0 m
Porto Mansoa (see Mansôa)		12° 04' 24" N 15° 19' 08" W	3 m
Quinara region			
Sama			
São José de Bissáu (see Bissau)		11° 51' 00" N 15° 35' 00" W	0 m
Tombali region			

Iran:

Chah Moslem, Persian Gulf and Sea of Oman Coastal	ca.	26° 44' 00" N 54° 35' 00" E	
Fars province			
Iran			
Masjed-I-Soleyman			
Shiraz		29° 36' 00" N 52° 32' 00" E	4750 ft
Shush			
Shush		32° 11' 00" N 41° 50' 00" E	500 ft

Israel:

Eilat, 40 km N (see Wadi Araba)		29° 51' 00" N 35° 04' 00" E	
Israel			
Wadi Araba			
(see also: Eilat, 40 km N, Yotwata)			
Yotwata (see Wadi Araba), 40 km N Eilat		29° 51' 00" N 35° 04' 00" E	

Italy:

Italy			
Pisa		43° 43' 00" N 10° 24' 00" E	
Sicily			

Kenya:

"Laisam id., Isido district" (see Laisiamis)		1° 36' 00" N 37° 48' 00" E	568 m
Aberdare mountains		0° 23' 08" S 36° 38' 08" E	
(see also: Aberdare range, Aberdares, Osufuko Lerego)			
Aberdare range (see Aberdare mountains)		0° 23' 08" S 36° 38' 08" E	
Aberdares (see Aberdare mountains)		0° 23' 08" S 36° 38' 08" E	
Ahero, cave near, 10 mi [=16 km] N Kisii		0° 32' 16" S 34° 46' 00" E	
(see also: Kisii, 10 mi [=16 km] N)			
Aitong [veterinary facility]		1° 11' 00" S 35° 15' 00" E	

Aiuumandu Hill	ca.	2° 00' 00" S 37° 40' 00" E	
Akiriamet			
Akuryo waterhole, near, 16 km SW Loperot	ca.	2° 12' 43" N 35° 45' 53" E	
(see also: Loperot, 16 km SW)			
Alamer (see Amaler)		1° 38' 06" N 35° 46' 41" E	
Amakura, 10 mi [=16 km] N Nambale		0° 34' 14" N 34° 16' 19" E	1220 m
(see also: Amukara, Amukura, Amukura Mission, Nambale,10 mi [=16 km] N, Saint Paul's Amukura Secondary School)			
Amaler		1° 38' 06" N 35° 46' 41" E	762 m
(see also: Alamer)			
Aman (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Amboseli		2° 40' 00" S 37° 17' 00" E	1152 m
Amboseli Game Reserve	ca.	2° 30' 00" S 37° 00' 00" E	
(see also: Amboseli National Reserve , Masai Amboseli Game Reserve)			
Amboseli National Reserve (see Amboseli Game Reserve)	ca.	2° 30' 00" S 37° 00' 00" E	
Amboseli, lake			
(see also: Lake Amboseli)			
Ami river		2° 59' 00" S 38° 28' 00" E	1067 m
Amu (see Lamu)		2° 16' 42" S 40° 54' 12" E	1 m
Amu Town, NW of (see Lamu (town), NW of)	ca.	2° 16' 42" S 40° 54' 12" E	1 m
Amukara (see Amakura), 10 mi [=16 km] N Nambale		0° 34' 14" N 34° 16' 19" E	1220 m
Amukura (see Amakura), 10 mi [=16 km] N Nambale		0° 34' 14" N 34° 16' 19" E	1220 m
Amukura Mission (see Amakura), 10 mi [=16 km] N Nambale		0° 34' 14" N 34° 16' 19" E	1220 m
Anam (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Arabuko-Sokoke District		3° 20' 00" S 39° 52' 00" E	
Arabuko-Sokoke Forest		3° 20' 00" S 39° 52' 00" E	
Archers Post		0° 39' 00" N 37° 41' 00" E	834 m
(see also: Archer's Post)			
Archer's Post (see Archers Post)		0° 39' 00" N 37° 41' 00" E	834 m
Aruba Lodge		3° 21' 00" S 38° 49' 00" E	
Athi River, near Nairobi		1° 27' 00" S 36° 59' 00" E	1528 m
(see also: Athi River Station, Athi River Town, Athi Station)			
Athi River Station (see Athi River), near Nairobi		1° 27' 00" S 36° 59' 00" E	1528 m
Athi River Town (see Athi River), near Nairobi		1° 27' 00" S 36° 59' 00" E	1528 m
Athi River Town, 1 mi [=1.6 km] S	ca.	1° 27' 00" S 36° 59' 00" E	
Athi River, 6 mi [=9.6 km] SE		1° 30' 00" S 37° 01' 59" E	
Athi river, 6 mi [=9.7 km] S, near Nairobi	ca.	1° 27' 00" S 36° 59' 00" E	
Athi Station (see Athi River), near Nairobi		1° 27' 00" S 36° 59' 00" E	1528 m
Baharini Farm			
Bahati Policepost (see Bahati Settlement), near Nakuru		0° 09' 00" S 36° 07' 00" E	7500 ft
Bahati Settlement, near Nakuru		0° 09' 00" S 36° 07' 00" E	7500 ft
(see also: Bahati Policepost)			
Barberton Cave (see Barberton Farm)		0° 45' 00" N 34° 45' 00" E	
Barberton Farm, 20 mi [=32 km] SW Kitale		0° 45' 00" N 34° 45' 00" E	1951 m
(see also: Barberton Cave, Kitale, 20 mi [=32 km] SW, Renishaw, Renshaw Barberton Farm)			
Barberton Farm Pool, 32 km SW Kitale		0° 49' 00" N 34° 49' 00" E	
(see also: Barberton Pool)			
Barberton Pool (see Barberton Farm Pool), 32 km SW Kitale		0° 49' 00" N 34° 49' 00" E	
Baring, lake (see Baringo, lake)		0° 38' 00" N 36° 05' 00" E	
Baringo (see Mukutan)		0° 38' 00" N 36° 16' 00" E	1303 m
Baringo county			
Baringo district			
Baringo, 30 mi [=48 km] NW	ca.	0° 30' 00" N 35° 50' 00" E	
Baringo, lake		0° 38' 00" N 36° 05' 00" E	
(see also: Baring, lake, Lake Baringo)			
Bartabwa, 15 mi [=24 km] NNE (see Kabarsera)		0° 56' 15" N 35° 52' 00" E	762 m
Baruma			
Bas (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Baso (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Basso (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Basso Narok (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Basso Norok (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Bat island, near Central island		3° 27' 00" N 36° 04' 00" E	
Benane, 2 km E Garba Tula		0° 30' 00" N 38° 40' 00" E	366 m
(see also: Garba Tula, 2 km E)			
Bikobo, lava cave (see Kiboko)		2° 11' 00" S 37° 43' 00" E	
Bilisa, lake, near Garsen		2° 14' 01" S 40° 07' 58" E	
(see also: Lake Bilisa)			
Bodhai (see Bodhei)		1° 52' 07" S 40° 43' 39" E	11 m

Bodhei		1° 52' 07" S 40° 43' 39" E	11 m
(see also: Bodhai, Boni Forest)			
Bogoria, 3 mi [=4.8 km] W Lake		0° 16' 01" N 36° 04' 01" E	1067 m
Bogoria, 30 mi [=48 km] SW (see Molo)		0° 15' 00" S 35° 44' 00" E	
Bogoria, lake		0° 15' 32" N 36° 06' 06" E	1500 m
(see also: Hannington, lake, Harrington, lake, Lake Bogoria, Lake Hannington, Lake Harrington)			
Bomet county			
Bondo, Central Nyanza		0° 06' 00" S 34° 16' 00" E	1276 m
Bondo, 4 mi [=6.4 km] W		0° 04' 49" S 34° 13' 10" E	
Boni Forest (see Bodhei)		1° 52' 07" S 40° 43' 39" E	11 m
Boni National Reserve		1° 32' 22" S 41° 19' 53" E	
Borobini (see Golbanti)		2° 27' 24" S 40° 12' 09" E	11 m
Bowker Farm, 5 mi [=8 km] E Kitale	ca.	1° 01' 00" N 35° 01' 00" E	
(see also: Kitale, 5 mi [=8 km] E)			
Buffalo Springs (Nature Reserve), near Isiolo		0° 37' 00" N 37° 39' 00" E	
Buffalo Springs Camp		0° 37' 00" N 37° 39' 00" E	
Bungoma county			
Bura			
Bushwacker's Safari Camp, 10.5 km N, 17 km E Kibwezi	ca.	2° 19' 00" S 38° 07' 00" E	
(see also: Kibwezi, 10.5 km N, 17 km E)			
Busia		0° 28' 00" N 34° 06' 00" E	1206 m
Busia county			
Caverne de Wacoumbas (see Wacoumbas cave)			
Central (former) province			
Central Elgon, 21 mi [=34 km] from Kitale		1° 05' 00" N 34° 45' 00" E	1981 m
(see also: Kitale, 21 mi [=34 km] from)			
Central Elgon East		1° 05' 00" N 34° 40' 00" E	1890 m
Central island		3° 30' 00" N 36° 02' 00" E	381 m
Central Island		3° 30' 00" N 36° 05' 00" E	
Chale plateau (see Shimba hills)		4° 13' 00" S 39° 25' 00" E	
Chandlers Falls (see Chanlers Falls)		0° 47' 00" N 38° 05' 00" E	
Chandler's Falls (see Chanlers Falls)		0° 47' 00" N 38° 05' 00" E	
Chanlers Falls		0° 47' 00" N 38° 05' 00" E	
(see also: Chandlers Falls, Chandler's Falls)			
Chemelil		0° 06' 00" S 35° 07' 00" E	
(see also: Chemilil)			
Chemilil (see Chemelil)		0° 06' 00" S 35° 07' 00" E	
Chep Tulel (see Cheptulel)		1° 01' 00" N 35° 01' 01" E	
Chepnyalil Cave		1° 03' 39" N 34° 45' 30" E	2419 m
Cheptulel		1° 01' 00" N 35° 01' 01" E	
(see also: Chep Tulel)			
Cherangani			
Cherangani (see Cherangany), 15 mi [=24 km] SE Kitale		0° 59' 00" N 35° 10' 00" E	1890 m
Cherangani Hills		1° 15' 00" S 35° 27' 00" E	
(see also: Cherangani Mountains)			
Cherangani Mountains (see Cherangani Hills)		1° 15' 00" S 35° 27' 00" E	
Cherangany, 15 mi [=24 km] SE Kitale		0° 59' 00" N 35° 10' 00" E	1890 m
(see also: Cherangani, Kitale, 15 mi [=24 km] SE)			
Chyulu Hills National Park		2° 34' 59" S 37° 49' 59" E	1930 m
Coast (former) province			
Colobus Circuit 1		0° 21' 22" N 34° 51' 41" E	
Daraja na Moneu (see Nyamindi), 10 mi [=16 km] W Embu		0° 40' 00" S 37° 25' 00" E	1463 m
Daren			
Devil's cave		0° 45' 00" N 34° 45' 00" E	2103 m
Dhika (see Thika)		1° 03' 00" S 37° 05' 00" E	
Dhika, 6 km N (see Thika, 6 km N)	ca.	0° 59' 37" S 37° 05' 09" E	ca. 1500 m
Diani		4° 16' 19" S 39° 34' 08" E	
(see also: Mobasa, 20 mi [=32 km] S, Moto cave, Mwapewa caves)			
Diani Beach		4° 18' 13" S 39° 35' 01" E	
(see also: Diani cave, Ndiani coast)			
Diani Beach Centre, 10 km S (see Diani Beach, 10 km S)		4° 20' 00" S 39° 32' 00" E	ca. 5 m
Diani Beach, 10 km S		4° 20' 00" S 39° 32' 00" E	
(see also: Diani Beach Centre, 10 km S)			
Diani cave (see Diani Beach)		4° 18' 13" S 39° 35' 01" E	
Diani Forest		4° 20' 00" S 39° 32' 00" E	
Diatomite mine, 3 km N, 14 km E Elmenteita		0° 25' 49" S 36° 10' 25" E	
Doinyo Sapuk (see Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Donjo Sebuk (see Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Donya Sabuk (see Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	

Donyo Sabuk (see also: Doinyo Sapuk, Donjo Sebuk, Donya Sabuk, Nairobi, 32 mi [=52 km] NE, Ol Doinyo Sapuk, mount, Ol Donyo Sabuk National Park, Ol'Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Donyo Sabuk, 3.2 km SE		1° 07' 00" S 37° 16' 00" E	
East Kyabe (see Kijabe)		0° 56' 00" S 36° 34' 00" E	2049 m
Eastern (former) province			
El Molo island, 6 km from Loiyangalani (see also: Loiyangalani, 6 km from)	ca.	2° 51' 00" N 36° 42' 00" E	
El Sadi (see Wajir)		1° 44' 50" N 40° 03' 26" E	
Eldoinyo Lengamlo, 96 mi from Nairobi (see also: Granite Hills, Mombaso Road, Simba)		2° 10' 00" S 37° 33' 00" E	
Elgeyo Marakwet county			
Elgon caves (see Mount Elgon Caves)		0° 52' 00" N 34° 27' 00" E	1951 m
Elgon Forest		0° 58' 00" N 34° 40' 00" E	1951 m
Elgon, Mount (see Mount Elgon)	ca.	1° 04' 00" N 34° 34' 00" E	
Elgon, SE slope of Mount (see Mount Elgon, SE slope)	ca.	0° 59' 00" N 34° 38' 00" E	
Elmenteita, 3 km N, 14 km E (see Gilgil)		0° 29' 23" S 36° 18' 43" E	1962 m
Elmenteita, lake (see also: En Munteita, Lake Elmenteita, Ol Muteita)		0° 26' 25" S 36° 14' 34" E	1829 m
Elmenteita, near		0° 29' 00" S 36° 09' 00" E	1981 m
Embu Boma			
Embu county			
Embu, 10 mi [=16 km] W (see Nyamindi)		0° 40' 00" S 37° 25' 00" E	1463 m
En Doinyo Ngiro (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
En Doinyo Nyiro (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
En Munteita (see Elmenteita, lake)		0° 26' 25" S 36° 14' 34" E	1829 m
Enaiposha (see Naivasha, lake)		0° 46' 00" S 36° 21' 00" E	6000 ft
Endebess (see also: Endeblesa)		1° 04' 00" N 34° 51' 00" E	1929 m
Endebess, 3 mi [=4.8 km] W		1° 07' 01" N 34° 49' 01" E	2134 m
Endeblesa (see Endebess), NE Elgon		1° 04' 00" N 34° 51' 00" E	
Endoposei river, Base of Ngur[u]man escarpment, near Kamela		1° 45' 00" S 36° 02' 00" E	
Engare Narok River (see also: Ngare Narok River)	ca.	1° 12' 48" S 35° 52' 50" E	
Euaso Nyiro (see Ewaso Ngi'ro)		0° 35' 00" N 37° 32' 00" E	884 m
Ewaso Ngi'ro (see also: Euaso Nyiro, Guaso Nyiro, Guaso Nyiro River)		0° 35' 00" N 37° 32' 00" E	
Ferguson's Gulf		3° 31' 00" N 35° 55' 00" E	
Fort Hall (see Murang'a)		0° 43' 00" S 37° 09' 00" E	1255 m
Frere Town		4° 01' 00" S 39° 42' 00" E	1 m
Fuchich (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Galana Game Scheme (see Galana Ranch)		3° 20' 00" S 39° 20' 00" E	
Galana Ranch (see also: Galana Game Scheme)		3° 20' 00" S 39° 20' 00" E	
Galana River	ca.	3° 20' 00" S 39° 20' 00" E	
Galanaboi (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Galanaboy (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Gallop (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Galma Galla [waterholes]		1° 12' 00" S 40° 47' 00" E	270 ft
Galma Galla, 1 mi [=1.6 km] W	ca.	1° 12' 00" S 40° 47' 00" E	ca. 270 ft
Galma Galla, 1.5 mi [=2.4 km] W	ca.	1° 12' 00" S 40° 47' 00" E	ca. 270 ft
Galole Road, 8.5 km N Garsen (see also: Garsen, 8.5 km N)		1° 30' 13" S 40° 01' 44" E	77 m
Gan Gafe			
Garba Tula, 2 km E (see Benane)		0° 30' 00" N 38° 40' 00" E	366 m
Gargues, mount [summit] (see also: Mount Gargues)		0° 57' 00" N 37° 24' 00" E	2164 m
Garibete Water Hole (see also: Garibiti)		3° 26' 00" S 39° 16' 00" E	
Garibiti (see Garibete Water Hole)		3° 26' 00" S 39° 16' 00" E	
Garissa		0° 27' 25" S 39° 39' 30" E	151 m
Garissa county			
Garissa district		0° 30' 00" S 40° 15' 00" E	
Garissa, 100 mi [=160 km] S (see Ijara)		1° 36' 12" S 40° 31' 31" E	52 m
Garissa, 35 mi [=56 km] downstream (see Maningi)		0° 52' 00" S 39° 54' 00" E	
Garsen		2° 16' 11" S 40° 07' 12" E	28 m
Garsen, 6 mi [=9.6 km] E		2° 16' 11" S 40° 07' 12" E	100 ft
Garsen, 8.5 km N (see Galole Road), on Galole road		1° 30' 13" S 40° 01' 44" E	77 m
Gasi (see Gazi)		4° 25' 00" S 39° 30' 00" E	3 m
Gatamayu, 2.5 km N, 0.5 km W		0° 58' 13" S 36° 41' 47" E	2200 m
Gaze (see Gazi)		4° 25' 00" S 39° 30' 00" E	3 m

Gazi		4° 25' 00" S 39° 30' 00" E	3 m
(see also: Gasi, Gaze)			
Gede National Park		3° 18' 00" S 40° 01' 00" E	7 m
(see also: Gede Royal National Park, Gedi National Park, Gedi Royal National Park)			
Gede Royal National Park (see Gede National Park)		3° 18' 00" S 40° 01' 00" E	7 m
Gedeh		3° 18' 00" S 40° 01' 00" E	7 m
(see also: Gedi)			
Gedi (see Gedeh)		3° 18' 00" S 40° 01' 00" E	7 m
Gedi National Park (see Gede National Park)		3° 18' 00" S 40° 01' 00" E	7 m
Gedi Royal National Park (see Gede National Park)		3° 18' 00" S 40° 01' 00" E	7 m
Gibraltar island		0° 36' 00" N 36° 04' 00" E	
Gikuyu (see Kikuyu)		1° 15' 00" S 36° 40' 00" E	1931 m
Gilgil, 3 km N, 14 km E Elmenteita		0° 29' 23" S 36° 18' 43" E	1962 m
(see also: Elmenteita, 3 km N, 14 km E)			
Gilgil river		0° 43' 00" S 36° 21' 00" E	
(see also: Khirgil river, Kilgil river)			
Gilgil, near	ca.	0° 30' 00" S 36° 19' 00" E	
Golbanti		2° 27' 24" S 40° 12' 09" E	11 m
(see also: Borobini, Golbanti mission)			
Golbanti mission (see Golbanti)		2° 27' 24" S 40° 12' 09" E	11 m
Gome Maria caves		3° 20' 00" S 40° 01' 00" E	
Governor's Camp, Eastern Bank of the Mara River		1° 24' 37" S 34° 59' 19" E	
Granite Hills, Mombaso Road (see Eldoinyo Lengamlo), 96 mi from Nairobi		2° 10' 00" S 37° 33' 00" E	
Grotte de Shimo Kapseta (see Shimo Kapseta cave)	ca.	1° 05' 00" N 34° 45' 00" E	2300 m
Guas Ngishu (see Ongata Onkishu)		2° 35' 00" S 37° 05' 00" E	
Guaso Nyiro (see Ewaso Ngi'ro)		0° 35' 00" N 37° 32' 00" E	
Guaso Nyiro River (see Ewaso Ngi'ro)		0° 35' 00" N 37° 32' 00" E	
Guaso Nyiro, 10 mi [=16 km] SW of river	ca.	0° 35' 00" N 37° 32' 00" E	6150 ft
Guaso Nyiro, above confluence with Meru River	ca.	0° 35' 00" N 37° 32' 00" E	
Guaso Nyiro, plains near		0° 35' 00" N 37° 32' 00" E	
Guaso Nyuki	ca.	0° 07' 00" S 37° 14' 00" E	
Gullop (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Hannington, 3 mi [=4.8 km] W Lake (see Maji Ya Moto)		0° 16' 00" N 36° 03' 00" E	1102 m
Hannington, 30 mi [=48 km] SW (see Molo)		0° 15' 00" S 35° 44' 00" E	
Hannington, lake (see Bogoria, lake)		0° 15' 32" N 36° 06' 06" E	1500 m
Harrington, lake (see Bogoria, lake)		0° 15' 32" N 36° 06' 06" E	1500 m
Hells Gate Canyon (see Ololbutot)		0° 55' 00" S 36° 19' 00" E	
Hoey's Bridge, 18 mi [=29 km] SE Kitale		0° 52' 34" N 35° 07' 13" E	1822 m
(see also: Kitale, 18 mi [=29 km] SE, Moi's bridge)			
Hoey's Bridge, near, 18 mi [=29 km] SW Kitale, Cherangani Hills	ca.	0° 52' 34" N 35° 07' 13" E	200 m
Homa Bay county	ca.	0° 30' 00" S 34° 30' 00" E	ca. 1524 m
Hunter's Lodge		2° 12' 41" S 37° 42' 55" E	1067 m
(see also: Nairobi - Mombasa road, 150 km along)			
Hunter's Lodge, near, 150 km along Nairobi - Mombasa road	ca.	2° 11' 00" S 37° 43' 00" E	
Ianzoni		1° 41' 00" S 37° 19' 00" E	1738 m
Igembe, Nyambeni hills		0° 15' 00" N 37° 55' 00" E	1460 m
Ihundu cave (see Ithundu caves)		2° 19' 59" S 37° 42' 12" E	
Ijara, 100 mi south Garissa		1° 36' 12" S 40° 31' 31" E	52 m
(see also: Garissa, 100 mi [=160 km] S)			
Ijara, 2.5 mi [=4 km] SW	ca.	1° 36' 12" S 40° 31' 31" E	225 ft
Ijara, 4.5 mi [=7.2 km] SW	ca.	1° 36' 12" S 40° 31' 31" E	
Ikhondo Camp		0° 21' 08" N 34° 51' 53" E	
Ikuywa river bridge, 6.5 km S, 19 km E Kakamega		0° 12' 00" N 34° 54' 00" E	
(see also: Kakamega, 6.5 km S, 19 km E)			
Impala Sanctuary		0° 07' 03" S 34° 44' 40" E	
Inyokomi (see Inyokoni)		1° 47' 00" S 37° 24' 00" E	1853 m
Inyokoni		1° 47' 00" S 37° 24' 00" E	1853 m
(see also: Inyokomi)			
Irima, 4 mi [=6.4 km] NW Voi		3° 21' 20" S 38° 32' 05" E	564 m
(see also: Voi, 4 mi [=6.4 km] NW)			
Isiala (see Isiolo)		0° 21' 00" N 37° 35' 00" E	1145 m
Isiola (see Isiolo)		0° 21' 00" N 37° 35' 00" E	1145 m
Isiolo		0° 21' 00" N 37° 35' 00" E	1145 m
(see also: Isiala, Isiola)			
Isiolo Buffalo Springs Game Reserve		0° 03' 12" N 37° 34' 00" E	
(see also: Isiolo Game Reserve)			
Isiolo county			
Isiolo district			
Isiolo Game Reserve (see Isiolo Buffalo Springs Game Reserve)		0° 03' 12" N 37° 34' 00" E	

Isiolo, 15 mi [=24 km] N		0° 35' 00" N 37° 36' 00" E	
Isiolo, 15 mi [=24 km] W	ca.	0° 21' 00" N 37° 35' 00" E	
Isiolo, 18 km SE		0° 20' 00" N 37° 45' 00" E	
Isiolo, 38 mi [=61 km] N (see Nyama Yango)		0° 54' 11" N 37° 35' 00" E	
Isiolo, 5 mi [=8 km] SW		0° 17' 00" N 37° 33' 00" E	
Isiolo, 6 mi [=9.6 km] N		0° 25' 00" N 37° 36' 00" E	
Ithundu caves, near Kiboko and Makindu (see also: Ihundu cave, Ithundu lava cave)		2° 19' 59" S 37° 42' 12" E	
Ithundu lava cave (see Ithundu caves)		2° 19' 59" S 37° 42' 12" E	
Jagartek and Talek rivers junction, 8 km above		1° 22' 00" S 35° 15' 00" E	
Jaika cave		0° 33' 49" S 36° 15' 15" E	
Jipe, lake (see also: Jippe, lake, Lake Jipe, Lake Jippe)		3° 35' 00" S 37° 46' 00" E	884 m
Jippe, lake (see Jipe, lake)		3° 35' 00" S 37° 27' 00" E	884 m
Jula Farm			
Kabarsera, 15 mi NNE Bartabwa (see also: Bartabwa, 15 mi [=24 km] NNE)		0° 56' 15" N 35° 52' 00" E	762 m
Kabete		1° 16' 00" S 36° 43' 00" E	1826 m
Kabras Forest, 97 km SW Kitale		0° 26' 00" N 34° 48' 00" E	
Kacheliba, 16 mi [=25.7 km] NNE (see Nakuchett)		1° 46' 00" N 35° 07' 00" E	1311 m
Kaibibich		1° 12' 12" N 35° 17' 05" E	2250 m
Kaiboni River		1° 26' 00" N 35° 04' 00" E	1372 m
Kailpos Hill		1° 12' 00" N 35° 08' 00" E	2134 m
Kaimosi, W Nyanza (see also: Kiamosi)		0° 08' 00" N 34° 51' 00" E	
Kairuni		0° 11' 11" N 37° 52' 20" E	
Kajata area (see Kayata area), near Donyo Sabuk		1° 07' 41" S 37° 19' 39" E	
Kajiado county			
Kajido district			
Kakamega		0° 17' 00" N 34° 45' 00" E	1523 m
Kakamega		0° 16' 00" N 34° 53' 00" E	
Kakamega county			
Kakamega district			
Kakamega Forest, 8 mi [=13 km] SE Kakamega (see also: Kakamega Forest Reserve, Kakamega, 8 mi [=13 km] SE)		0° 16' 00" N 34° 53' 00" E	1585 m
Kakamega Forest Mine, 10 mi [=16 km] S Kakamega		0° 10' 49" N 34° 51' 08" E	
Kakamega Forest Reserve (see Kakamega Forest)		0° 16' 00" N 34° 53' 00" E	1585 m
Kakamega Forest Station, 3.5 km S, 12 km E Kakamega (see also: Kakamega, 3.5 km S, 12 km E)		0° 16' 00" N 34° 53' 00" E	1615 m
Kakamega Forest Station, 1 mi [=1.6 km] NE		0° 17' 00" N 34° 47' 00" E	1615 m
Kakamega Forest Station, 4 mi [=6.4 km] E	ca.	0° 17' 00" N 34° 47' 00" E	1615 m
Kakamega, 3.5 km S, 12 km E (see Kakamega Forest Station), 3.5 km S, 12 km E Kakamega		0° 16' 00" N 34° 53' 00" E	1615 m
Kakamega, 5 km S, 16 km E		0° 16' 00" N 34° 53' 00" E	
Kakamega, 6 km S, 16 km E		0° 13' 00" N 34° 54' 00" E	
Kakamega, 6.5 km S, 19 km E (see Ikuywa river bridge)		0° 12' 00" N 34° 54' 00" E	
Kakamega, 8 mi [=13 km] S	ca.	0° 16' 00" N 34° 53' 00" E	
Kakamega, 8 mi [=13 km] SE (see Kakamega Forest)		0° 16' 00" N 34° 53' 00" E	1585 m
Kalama (location) (see also: Mbeyo Hill)		1° 36' 00" S 37° 20' 00" E	
Kalama Hills		1° 37' 00" S 37° 21' 00" E	
Kalama location		1° 38' 00" S 37° 20' 00" E	
Kalamou			
Kalanzoni	ca.	1° 46' 00" S 37° 22' 00" E	
Kalifi (see Kilifi)		3° 38' 00" S 39° 51' 00" E	0 m
Kalimoni		1° 06' 00" S 37° 01' 00" E	1551 m
Kalipti			
Kalonduni	ca.	1° 38' 00" S 37° 20' 00" E	
Kalosia (see also: Kalossia, Kolossia)		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Kalossia (see Kalosia)		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Kamama (church)		0° 26' 00" S 37° 28' 00" E	1219 m
Kambiti Estate (see also: Kambiti W.H.)		0° 49' 00" S 37° 14' 00" E	
Kambiti W.H. (see Kambiti Estate)		0° 49' 00" S 37° 14' 00" E	
Kambu		2° 35' 00" S 38° 05' 00" E	826 m
Kammya Moto (see Kampi ya Moto (railroad station))		0° 08' 00" S 35° 56' 00" E	
Kampi ya Moto (railroad station) (see also: Kammya Moto)		0° 08' 00" S 35° 56' 00" E	1980 m
Kampi Ya Samaki (see also: Kampi ya Samalei, Kornpuosamaki, Maragat, 15 km N, Maragat, 15 mi [=24 km] N, Naragat, 15 mi [=24 km] N)		0° 36' 00" N 36° 01' 00" E	
Kampi Ya Samaki Escarpment		0° 36' 00" N 36° 01' 00" E	
Kampi Ya Samaki, 2 mi [=3.2 km] S		0° 36' 00" N 36° 01' 00" E	975 m

Kampi Ya Samaki, near		0° 37' 01" N 36° 01' 59" E	1006 m
Kampi ya Samalei (see Kampi Ya Samaki)		0° 36' 00" N 36° 01' 00" E	1054 m
Kampiva Samdet, near		0° 38' 00" N 36° 17' 00" E	
Kamuani	ca.	1° 31' 00" S 37° 16' 00" E	
Kamuani Area		1° 31' 00" S 37° 16' 00" E	
Kamuuani	ca.	1° 31' 00" S 37° 16' 00" E	
Kanapoi	ca.	3° 45' 00" N 36° 15' 00" E	
Kanawa, 105 km N Malindi		2° 20' 00" S 40° 05' 00" E	12 m
(see also: Malindi, 105 km N)			
Kangatet	ca.	2° 15' 05" N 36° 10' 04" E	
Kanyangaren (see Kanyangareng)		1° 47' 00" N 35° 08' 00" E	
Kanyangareng, Kara-Suk		1° 47' 00" N 35° 08' 00" E	
(see also: Kanyangaren)			
Kapasakwany (see Kapsokwony)		34° 42' 00" N 0° 50' 00" E	
Kapeddo, 40 km N Lake Baringo		1° 10' 00" N 36° 06' 00" E	793 m
(see also: Karpeddo, Karpedo, Lake Baringo, 40 km N)			
Kapenguria, Tarla's Dam		1° 14' 00" N 35° 07' 00" E	
(see also: Tarla's Dam)			
Kapenguria, 10 mi [=16 km] NNW (see Kongelai Escarpment)		1° 28' 00" N 35° 01' 00" E	1350 m
Kapenguria, 70 (?) mi [=113 (?) km] NE (see Sirmai)	ca.	1° 28' 00" N 35° 28' 00" E	
Kapolet River, Cherangani, 7		1° 08' 00" N 35° 09' 00" E	1981 m
Kapsaina (dam)		0° 56' 50" N 35° 16' 00" E	610 m
Kapsania		1° 29' 00" N 35° 28' 00" E	
Kapseta (see Shimo Kapseta cave)	ca.	1° 05' 00" N 34° 45' 00" E	2300 m
Kapsokwony		34° 42' 00" N 0° 50' 00" E	
(see also: Kapasakwany)			
Kapsowar		0° 59' 00" N 35° 34' 00" E	2019 m
(see also: Kapsowat, Marakwet)			
Kapsowat (see Kapsowar)		0° 59' 00" N 35° 34' 00" E	2019 m
Kaptagat, 30 mi [=48 km] E Eldoret		0° 22' 04" N 35° 28' 16" E	
Kaputir		2° 05' 00" N 35° 29' 00" E	750 m
Karasak district			
Karen, 10 mi W Nairobi		1° 20' 00" S 36° 45' 00" E	
(see also: Nairobi Fort, Nairobi, 10 mi [=16 km] W)			
Karen, 10 mi [=16 km] SW, near Nairobi	ca.	1° 24' 00" S 36° 40' 00" E	
Karen, near	ca.	1° 20' 00" S 36° 45' 00" E	
Kariandusi mines, near Gilgil and Lake Elmentaita		0° 27' 05" S 36° 16' 55" E	
Karibiti			
Karpeddo (see Kapeddo), 40 km N Lake Baringo		1° 10' 00" N 36° 06' 00" E	793 m
Karpedo (see Kapeddo), 40 km N Lake Baringo		1° 10' 00" N 36° 06' 00" E	793 m
Karura Forest		1° 14' 00" S 36° 50' 00" E	1828 m
Katalembo (see Katalembu)		1° 31' 00" S 37° 12' 00" E	1769 m
Katalembu		1° 31' 00" S 37° 12' 00" E	1769 m
(see also: Katalembo)			
Katangi Area			
Kathekani		2° 37' 00" S 38° 09' 00" E	777 m
Kathita river		0° 15' 58" S 38° 00' 11" E	
(see also: Kathitha river, Kazita river)			
Kathitha river (see Kathita river)		0° 15' 58" S 38° 00' 11" E	
Katilo			
Katilo			
Katuaa Market		1° 40' 56" S 37° 19' 08" E	
Kau		2° 29' 20" S 40° 27' 07" E	0 m
Kavirondo Bay (see Winam Gulf)		0° 15' 00" S 34° 35' 00" E	
Kavirondo Gulf (see Winam Gulf)		0° 15' 00" S 34° 35' 00" E	
Kavirongo Gulf, S coast	ca.	0° 15' 00" S 34° 35' 00" E	
Kayata area, near Donyo Sabuk		1° 07' 41" S 37° 19' 39" E	
(see also: Kajata area)			
Kazita river (see Kathita river)		0° 15' 58" S 38° 00' 11" E	
Keambiroiro (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Kedong Valley (see Nkidong Valley)		1° 10' 00" S 36° 30' 00" E	6000 ft
Keekevok, Mara river	ca.	0° 16' 00" S 37° 45' 00" E	1615 m
Kejengole Route			
Kenia Forest			
Kenya			
(see also: "British East Africa")			
Kenya, mount		0° 10' 00" S 37° 20' 00" E	
(see also: Kilinyaga, Kirinyaga, Mount Kenya)			
Kenya, mount			
Kenya, mount, 37 km W (see Nanyuki)		0° 01' 00" N 37° 04' 00" E	1986 m
Kericho		0° 22' 00" S 35° 17' 00" E	2093 m
Kericho county			
Kerio river		2° 59' 00" N 36° 07' 00" E	

Kerio Suk river		0° 45' 00" N 35° 35' 00" E	
Kerio Valley, Morok River		0° 45' 00" N 35° 35' 00" E	
Keyanguli, Kasema		1° 30' 00" S 37° 15' 00" E	1829 m
Khirgil river (see Gilgil river)		0° 43' 00" S 36° 21' 00" E	
Kiabasi, near Voi	ca.	3° 23' 00" S 38° 34' 00" E	1900 ft
Kiambiruiru (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Kiambu		1° 10' 00" S 36° 50' 00" E	1723 m
Kiambu county			
Kiambu district			
Kiambu, 4 mi [=6.4 km] NW	ca.	1° 10' 00" S 36° 50' 00" E	
Kiambu, near	ca.	1° 10' 00" S 36° 50' 00" E	1828 m
Kiamosi (see Kaimosi), W Nyanza		0° 08' 00" N 34° 51' 00" E	
Kiboko		2° 11' 00" S 37° 43' 00" E	
(see also: Bikobo, lava cave, Kiboko cave, Kiboko station)			
Kiboko Campsite		0° 19' 03" N 36° 54' 39" E	
Kiboko cave (see Kiboko)		2° 11' 00" S 37° 43' 00" E	930 m
Kiboko station (see Kiboko)		2° 11' 00" S 37° 43' 00" E	930 m
Kiboko, 1 mi [=1.6 km] E	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 1 mi [=1.6 km] W	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 10 mi [=16 km] N		2° 02' 00" S 37° 42' 00" E	3000 ft
Kiboko, 10 mi [=16 km] S	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 10 mi [=16 km] W	ca.	2° 09' 00" S 37° 35' 00" E	
Kiboko, 10 mi [=19 km] E	ca.	2° 16' 00" S 37° 49' 00" E	
Kiboko, 10 mi [=19 km] S		2° 16' 59" S 37° 40' 01" E	
Kiboko, 2 mi [=3.2 km] NW	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 20 km NW	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 3 mi [=4.8 km] E, Granite Outcrop	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 3 mi [=4.8 km] W	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 4 mi [=6.4 km] W	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, 5 km W, near Nairobi	ca.	2° 11' 00" S 37° 43' 00" E	
Kiboko, ca 10 mi [=16 km] N	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kibomoto			
Kibungu hills			
Kibuyuni area		4° 23' 57" S 39° 18' 54" E	
Kibwesi (see Kibwezi)		2° 25' 00" S 37° 58' 00" E	
Kibwezi		2° 25' 00" S 37° 58' 00" E	
(see also: Kibwesi, Libwezi)			
Kibwezi, 10.5 km N, 17 km E (see Bushwacker's Safari Camp)	ca.	2° 19' 00" S 38° 07' 00" E	
Kibwezi, 30 mi [=48 km] NNE	ca.	2° 02' 26" S 38° 11' 12" E	3500 ft
Kibwezi, 6.5 mi [=10.5 km] N, 10.5 mi [=17 km] E	ca.	2° 19' 00" S 38° 06' 00" E	
Kibwezi, near	ca.	2° 25' 00" S 37° 58' 00" E	ca. 3500 ft
Kichaka Simba (see Kichakasimba)		4° 20' 57" S 39° 21' 33" E	
Kichakasimba		4° 20' 57" S 39° 21' 33" E	
(see also: Kichaka Simba)			
Kichakasimba hill		4° 29' 07" S 39° 15' 47" E	
(see also: Mrima hill)			
Kiega Hill			
Kijabe		0° 56' 00" S 36° 34' 00" E	2049 m
Kijabe		0° 56' 00" S 36° 34' 00" E	2049 m
(see also: East Kyabe, Kyabe)			
Kijabe Station		0° 55' 00" S 36° 35' 00" E	
(see also: Kyabe Station, New Kijabe)			
Kikambala		3° 54' 00" S 39° 47' 00" E	0 m
Kikuyu		1° 15' 00" S 36° 40' 00" E	1931 m
(see also: Gikuyu)			
Kilaguni Lodge		2° 54' 20" S 38° 02' 59" E	
(see also: Kiliguni Lodge)			
Kilaguni Lodge		2° 54' 21" S 38° 03' 34" E	
(see also: Shetani cave)			
Kilanguni		2° 54' 00" S 38° 03' 00" E	
Kilgil river (see Gilgil river)		0° 43' 00" S 36° 21' 00" E	
Kilifi		3° 38' 00" S 39° 51' 00" E	61 m
(see also: Kalifi)			
Kilifi cave		3° 38' 00" S 39° 51' 00" E	0 m
Kilifi county			
Kilifi creek, 2 mi [=3.2 km] W Kilifi	ca.	3° 38' 00" S 39° 51' 00" E	
(see also: Kilifi, 2 mi [=3.2 km] W)			
Kilifi creek, head of, 6 mi [=9.7 km] W Kilifi		3° 34' 48" S 39° 46' 48" E	
Kilifi district			
Kilifi, 1 km S		3° 37' 00" S 39° 50' 00" E	
Kilifi, 1 mi [=1.6 km] N	ca.	3° 38' 00" S 39° 51' 00" E	15 m
Kilifi, 1.5 mi [=2.4 km] N	ca.	3° 38' 00" S 39° 51' 00" E	50 m
Kilifi, 2 mi [=3.2 km] N	ca.	3° 38' 00" S 39° 51' 00" E	50 m
Kilifi, 2 mi [=3.2 km] W (see Kilifi creek)	ca.	3° 38' 00" S 39° 51' 00" E	

Kilifi, 4 mi [=6.4 km] S (see also: Tokaungu)		3° 41' 00" S 39° 51' 00" E	
Kilifi, 5 mi [=8 km] W		3° 37' 00" S 39° 45' 00" E	
Kilifi, 6 mi [=9.6 km] S (see Maweni river)		3° 44' 00" S 39° 45' 00" E	
Kilifi, 6 mi [=9.7 km] S	ca.	3° 38' 00" S 39° 51' 00" E	
Kilifi, 6 mi [=9.7 km] W		3° 34' 48" S 39° 46' 48" E	61 m
Kilifi, 6 mi [=9.7 km] WNW (see Sokoke Forest)		3° 29' 00" S 39° 50' 00" E	200 ft
Kilifi, near	ca.	3° 38' 00" S 39° 51' 00" E	
Kiligi		1° 00' 00" N 38° 00' 00" E	
Kiliguni Lodge (see Kilaguni Lodge)		2° 54' 20" S 38° 02' 59" E	
Kilimani Estate		1° 17' 00" S 36° 47' 00" E	
Kilindini		4° 04' 00" S 39° 40' 00" E	0 ft
Kilinyaga (see Kenya, mount)		0° 10' 00" S 37° 20' 00" E	
Kilongo Hills		2° 17' 00" S 37° 55' 00" E	
Kiluluma (see Tana river), Bura		2° 31' 49" S 40° 31' 26" E	
Kimakia cave		2° 30' 00" S 37° 45' 00" E	
Kimilili, E face Mount Elgon (see also: Kimmilli)		0° 47' 00" N 34° 43' 00" E	2073 m
Kimilili, near	ca.	0° 47' 00" N 34° 43' 00" E	
Kimmilli (see Kimilili), E face Mount Elgon		0° 47' 00" N 34° 43' 00" E	2073 m
Kinna		0° 19' 00" N 38° 12' 00" E	457 m
Kinu		0° 58' 00" S 38° 18' 00" E	
Kipini		2° 31' 31" S 40° 31' 46" E	0 m
Kipini, 5 mi [=8 km] E (see Shell BM Camp)		2° 31' 00" S 40° 31' 00" E	
Kipkabus		0° 18' 00" N 35° 30' 00" E	2543 m
Kipsain river		1° 07' 00" N 35° 06' 00" E	1951 m
Kirinyaga (see Kenya, mount)		0° 10' 00" S 37° 20' 00" E	
Kirinyaga county			
Kiriri		1° 12' 00" S 36° 34' 00" E	1971 m
Kirui	ca.	1° 04' 00" N 34° 34' 00" E	
Kisiaunet, West-Pokot		1° 17' 00" N 35° 05' 00" E	
Kisii		0° 41' 00" S 34° 46' 00" E	1814 m
Kisii county			
Kisii, 10 mi [=16 km] N (see Ahero, cave near)		0° 32' 16" S 34° 46' 00" E	
Kisumo (see Kisumu)		0° 06' 00" S 34° 45' 00" E	1131 m
Kisumu (see also: Kisumo, Lady Whitehouse, Port Florence, Winam)		0° 06' 00" S 34° 45' 00" E	1131 m
Kisumu county			
Kisumu district		0° 15' 00" S 34° 55' 00" E	
Kit Mikayi		0° 07' 04" S 34° 32' 28" E	
Kit Rawlins Farm, 4 mi E Nakuru (see also: Nakuru, 4 mi E)	ca.	0° 17' 00" S 36° 04' 00" E	
Kitale, foothills Mount Elgon		1° 01' 00" N 35° 00' 00" E	1896 m
Kitale area		1° 01' 00" N 35° 01' 00" E	
Kitale Township, W of	ca.	1° 01' 00" N 35° 01' 00" E	
Kitale, 10 mi [=16 km] NE	ca.	1° 01' 00" N 35° 01' 00" E	1920 m
Kitale, 12 mi [=19 km] ESE (see Stoneham Museum)		1° 01' 00" N 35° 01' 01" E	1890 m
Kitale, 12 mi [=19 km] W	ca.	1° 02' 00" N 34° 50' 00" E	1890 m
Kitale, 14 mi [=22.5 km] W		1° 01' 00" N 34° 49' 00" E	1890 m
Kitale, 15 mi [=24 km] SE (see Cherangany)		0° 59' 00" N 35° 10' 00" E	1890 m
Kitale, 16 km NE		1° 01' 00" N 35° 01' 00" E	1920 m
Kitale, 18 mi [=29 km] SE (see Hoey's Bridge)		0° 52' 34" N 35° 07' 13" E	1822 m
Kitale, 20 mi [=32 km] S	ca.	1° 01' 00" N 35° 01' 00" E	1951 m
Kitale, 20 mi [=32 km] SW (see Barberton Farm)		0° 45' 00" N 34° 45' 00" E	
Kitale, 20 mi SW			
Kitale, 21 mi [=34 km] from (see Central Elgon)		1° 05' 00" N 34° 45' 00" E	1981 m
Kitale, 22 km W		1° 01' 00" N 34° 49' 00" E	
Kitale, 22.5 km W		1° 01' 00" N 34° 49' 00" E	1890 m
Kitale, 23 km W	ca.	1° 01' 00" N 35° 01' 00" E	1890 m
Kitale, 24 km E		1° 01' 00" N 35° 14' 00" E	1920 m
Kitale, 24 km from		1° 08' 00" N 34° 52' 00" E	
Kitale, 24 km W (see Mount Elgon, NE face)	ca.	1° 08' 00" N 34° 33' 00" E	
Kitale, 25 mi [=40 km] NW	ca.	1° 01' 00" N 35° 01' 00" E	2042 m
Kitale, 29 km SW		1° 01' 00" N 35° 01' 00" E	
Kitale, 29 km W	ca.	1° 07' 00" N 34° 35' 00" E	
Kitale, 48 km from		1° 03' 00" N 34° 35' 00" E	
Kitale, 5 mi [=8 km] E (see Bowker Farm)	ca.	1° 01' 00" N 35° 01' 00" E	
Kitale, 50 km from		1° 03' 00" N 34° 35' 00" E	1950 m
Kitale, 7 mi [=11.3 km] E	ca.	1° 02' 00" N 35° 00' 00" E	
Kitale, 97 km SW		0° 26' 00" N 34° 48' 00" E	
Kitau		2° 18' 07" S 40° 56' 22" E	
Kithembe (sub-)location	ca.	1° 46' 00" S 37° 22' 00" E	
Kithimani area		1° 11' 12" S 37° 26' 49" E	
Kitoko River			

Kitui		1° 22' 00" S 38° 01' 00" E	1151 m
(see also: Ukamba)			
Kitui county			
Kitum Cave (see Kitum caves)		1° 07' 00" N 34° 40' 00" E	2134 m
Kitum caves		1° 07' 00" N 34° 40' 00" E	2134 m
(see also: Kitum Cave)			
Kiu		1° 54' 00" S 37° 10' 00" E	1503 m
Kiuu		0° 36' 00" S 37° 09' 00" E	1308 m
Kivani		1° 43' 00" S 37° 22' 00" E	1529 m
Kivokwe Rock			
Kivondo Forest		4° 12' 00" S 39° 27' 00" E	
Kivumoni Forest, 5 km SE Kwale		4° 13' 00" S 39° 29' 00" E	
(see also: Kwale, 5 km SE)			
Kobolet river, near Cherangani		1° 00' 00" N 35° 14' 00" E	
Kolossia (see Kalosia)		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Kongelai, on Kaiboni River or on Suam River		1° 28' 00" N 35° 01' 00" E	1350 m
Kongelai Escarpment		1° 28' 00" N 35° 01' 00" E	
(see also: Kongelai Escarpment)			
Kongelai Escarpment (see Kongelai Escarpment), 10 mi NNW Kapenguria		1° 28' 00" N 35° 01' 00" E	
(see also: Kapenguria, 10 mi [=16 km] NNW, Tambala Falls)			
Kongelai, 12 mi [=19 km] W	ca.	1° 28' 00" N 35° 01' 00" E	1890 m
Kongelai, 3 mi [=4.8 km] S	ca.	1° 28' 00" N 35° 01' 00" E	1372 m
Konza		1° 45' 00" S 37° 07' 00" E	1583 m
Konza area	ca.	1° 45' 00" S 37° 07' 00" E	
Konza Farm	ca.	1° 45' 00" S 37° 07' 00" E	
Konza Hill		1° 35' 00" S 37° 42' 00" E	
Koran Badas		1° 21' 00" S 40° 29' 00" E	
Korau, Turkwell/Suam rivers		3° 06' 00" N 36° 06' 00" E	
Kornpuosamaki (see Kampi Ya Samaki)		0° 36' 00" N 36° 01' 00" E	1054 m
Koru		0° 11' 00" S 35° 16' 00" E	1980 m
Koru, 10 km ENE		0° 10' 00" S 35° 17' 00" E	
Koru, 3 mi [=5 km] N (see Legetet Hill)		0° 10' 00" S 35° 17' 00" E	
Koru, 3 mi N		0° 11' 00" S 35° 16' 00" E	
Kovu		1° 00' 00" N 36° 00' 00" E	
Kunumara Conference Center, 20 km N Mombasa		3° 52' 09" S 39° 40' 00" E	
(see also: Mombasa, 20 km N)			
Kwale		4° 11' 00" S 39° 27' 00" E	303 m
Kwale county			
Kwale district	ca.	4° 11' 00" S 39° 27' 00" E	
Kwale, 12 km S, 11 mi W		4° 17' 00" S 39° 21' 00" E	
Kwale, 5 km SE (see Kivumoni Forest)		4° 13' 00" S 39° 29' 00" E	
Kwale, 7 km S, 8 km W	ca.	4° 11' 00" S 39° 27' 00" E	
Kyabe (see Kijabe)		0° 56' 00" S 36° 34' 00" E	2049 m
Kyabe Station (see Kijabe Station)		0° 55' 00" S 36° 35' 00" E	
Kyamunyu		1° 39' 28" S 37° 18' 21" E	
(see also: Kyamunyuu, Kyamuyu)			
Kyamunyuu (see Kyamunyu)		1° 39' 28" S 37° 18' 21" E	
Kyamuyu (see Kyamunyu)		1° 39' 28" S 37° 18' 21" E	
Kyanbym			
Kyangili (see Kyangili Dam)		1° 40' 00" S 37° 18' 00" E	
Kyangili Dam		1° 40' 00" S 37° 18' 00" E	
(see also: Kyangili)			
Kyanguli		0° 48' 39" S 38° 23' 02" E	
Kyanguli (hill)		0° 48' 39" S 38° 23' 02" E	
Kyanguli area	ca.	0° 48' 39" S 38° 23' 02" E	
Kyengole			
Kyengole Rocks			
Lady Whitehouse (see Kisumu)		0° 06' 00" S 34° 45' 00" E	1131 m
Laikipia county			
Laikipia plateau			
Laikipia ranch, 40 mi NW Rumuruti		0° 16' 00" N 36° 32' 00" E	1829 m
(see also: Rumurati, 64 km NW, Rumuruti, 40 mi [=64 km] NW)			
Laisiamis		1° 36' 00" N 37° 48' 00" E	568 m
(see also: "Laisam id., Isido district")			
Lake Amboseli (see Amboseli, lake)			
Lake Baringo (see Baringo, lake)		0° 38' 00" N 36° 05' 00" E	
Lake Baringo Escarpment	ca.	0° 38' 00" N 36° 05' 00" E	
Lake Baringo, 40 km N (see Kapeddo)		1° 10' 00" N 36° 06' 00" E	793 m
Lake Bilisa (see Bilisa, lake), near Garsen		2° 14' 01" S 40° 07' 58" E	
Lake Bogoria (see Bogoria, lake)		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Bogoria, 3 mi [=4.8 km] W (see Maji Ya Moto)		0° 16' 00" N 36° 03' 00" E	1102 m
Lake Bogoria, 30 mi [=48 km] SW (see Molo)		0° 15' 00" S 35° 44' 00" E	
Lake Elmenteita (see Elmenteita, lake)		0° 26' 25" S 36° 14' 34" E	1829 m

Lake Hannington (see Bogoria, lake)		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Hannington, 3 mi [=4.8 km] W (see Maji Ya Moto)		0° 16' 00" N 36° 03' 00" E	1102 m
Lake Hannington, 30 mi [=48 km] SW (see Molo)		0° 15' 00" S 35° 44' 00" E	
Lake Harrington (see Bogoria, lake)		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Jipe (see Jipe, lake)		3° 35' 00" S 37° 27' 00" E	884 m
Lake Jippe (see Jipe, lake)		3° 35' 00" S 37° 27' 00" E	884 m
Lake Magadi (see Magadi, lake)		1° 52' 00" S 36° 17' 00" E	
Lake Magadi, 3 mi [=4.8 km] E (see Magadi, 3 mi [=4.8 km] E Lake)	ca.	1° 52' 00" S 36° 17' 00" E	
Lake Magadi, 40 km W (see also: Magadi, 40 km W Lake)	ca.	1° 45' 27" S 35° 48' 31" E	762 m
Lake Magadi, cave near (see Magadi, cave near Lake)	ca.	1° 52' 00" S 36° 17' 00" E	
Lake Magadi, near (see Magadi, near Lake)	ca.	1° 52' 00" S 36° 17' 00" E	
Lake Naivasha (see Naivasha, lake)		0° 46' 00" S 36° 21' 00" E	6000 ft
Lake Naivasha, cave near (see Naivasha, cave near lake)	ca.	0° 46' 00" S 36° 21' 00" E	
Lake Naivasha, E shore (see Naivasha, E shore lake)	ca.	0° 46' 00" S 36° 21' 00" E	1829 m
Lake Naivasha, near (see Naivasha, near lake)	ca.	0° 46' 00" S 36° 21' 00" E	1890 m
Lake Naivasha, S end (see Naivasha, S end lake)	ca.	0° 46' 00" S 36° 21' 00" E	
Lake Nakuru (see also: Nakuru, lake)		0° 21' 25" S 36° 06' 35" E	1829 m
Lake Naruku National Park (see also: Nakuru Lake Forest, Nakuru Lake Forest Reserve, Naruku, lake, National Park)		0° 20' 22" S 36° 05' 59" E	1757 m
Lake Paradise (see Sokorte Guda)		2° 15' 44" N 37° 56' 07" E	
Lake Rudolf (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Lake Rudolph, W side (see Turkana, W side lake)		3° 30' 00" N 36° 00' 00" E	
Lake Turkana (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Lake Turkana, W side (see Turkana, W side lake)		3° 30' 00" N 36° 00' 00" E	
Lake Victoria			
Lakiundu river, near junction with Northern Guaso Nyiro river			
Lamu (see also: Amu)		2° 16' 42" S 40° 54' 12" E	1 m
Lamu (town), NW of (see also: Amu Town, NW of)	ca.	2° 16' 42" S 40° 54' 12" E	1 m
Lamu county			
Lamu district			
Lamu Island		2° 16' 49" S 40° 51' 29" E	
Lamu Island, SE coast	ca.	2° 16' 49" S 40° 51' 29" E	
Langata (see Langata Rongai) (see also: Langata)		1° 24' 00" S 36° 46' 00" E	1731 m
Langata cemetery (see Langata Rongai)		1° 24' 00" S 36° 46' 00" E	1731 m
Langata forest (see Langata Rongai)		1° 24' 00" S 36° 46' 00" E	1731 m
Langata Rongai (see also: Langata forest)		1° 24' 00" S 36° 46' 00" E	1731 m
Langata Rongai (see also: Langata, Langata cemetery)		1° 24' 00" S 36° 46' 00" E	1731 m
Legatet Hill (see Legetet Hill), 3 mi [=5 km] N Koru		0° 10' 00" S 35° 17' 00" E	
Legatet Hill cave (see Legetet Hill), 3 mi [=5 km] N Koru		0° 10' 00" S 35° 17' 00" E	
Legetet Hill, 5 km N Koru (see also: Koru, 3 mi [=5 km] N, Legatet Hill, Legatet Hill cave)		0° 10' 00" S 35° 17' 00" E	
Lemek hill		1° 06' 00" S 35° 23' 00" E	2076 m
Leopard Rock Lodge		0° 12' 00" N 38° 12' 00" E	
Lesukut island		0° 35' 30" N 36° 04' 53" E	975 m
Libwezi (see Kibwezi)		2° 25' 00" S 37° 58' 00" E	
Limuru		1° 06' 00" S 36° 39' 00" E	2240 m
Limuru, near		1° 06' 00" S 36° 39' 00" E	
Lion Hill, 2 mi [=3.6 km] from Voi, Tsavo East National Park		3° 22' 32" S 38° 33' 59" E	
Lion Hill (see Lion Hill cave)		0° 21' 00" S 36° 08' 00" E	
Lion Hill cave, 7 km S, 5 km E Nakuru (see also: Lion Hill, Nakuru, 7 km S, 5 km E)		0° 21' 00" S 36° 08' 00" E	
Lirandha Hill			
Lirhanda Cave		0° 12' 42" N 34° 53' 55" E	
Lodwar		3° 07' 00" N 35° 36' 00" E	477 m
Lodwar, 96 km W (see Loiya)		2° 59' 19" N 35° 01' 52" E	
Loitokitok			
Loiya, 96 km W Lodwar (see also: Lodwar, 96 km W)		2° 59' 19" N 35° 01' 52" E	
Loiyangalani, 29 mi [=47 km] N	ca.	3° 11' 19" N 36° 40' 50" E	
Loiyangalani, 6 km from (see El Molo island)	ca.	2° 51' 00" N 36° 42' 00" E	
Lokiri		3° 00' 00" N 35° 30' 00" E	
Lokori		1° 57' 06" N 36° 02' 09" E	582 m
Loldiani, mount (see Mount Loldiani)		0° 06' 41" S 35° 43' 41" E	
Lollaisihr, Ol Doinyo (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	

Lollaisir, Ol Doinyo (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Lolokwi, mount (see Oldoinyo Sabachi)		0° 49' 41" N 37° 31' 56" E	
Londiani		0° 10' 00" S 35° 36' 00" E	2440 m
Londiani, mount		0° 06' 00" S 35° 43' 00" E	
(see also: Mount Londiani, Mount Ololdiani, Ololdiani, mount)			
Loperot, 16 km SW (see Akuryo waterhole, near)	ca.	2° 12' 43" N 35° 45' 53" E	
Lualeni Borehole (see Maktau)		3° 24' 00" S 38° 08' 00" E	1171 m
Luazomela		0° 29' 00" N 37° 40' 00" E	
Lukemia Hill, near Nairobi			
Lukenia		1° 29' 00" S 37° 03' 00" E	1524 m
Lukenia hills (see Ulukenia hills), Athi plains	ca.	1° 29' 00" S 37° 03' 00" E	
Lukenya hills (see Ulukenia hills), Athi plains	ca.	1° 29' 00" S 37° 03' 00" E	
Lukenya, mount		1° 28' 00" S 37° 03' 00" E	
Lukore, Mkanda river		4° 13' 00" S 39° 25' 00" E	
Lukore area		4° 13' 00" S 39° 25' 00" E	
Lumbwa		0° 12' 00" S 35° 28' 00" E	2058 m
(see also: Lumowa)			
Lumowa (see Lumbwa)		0° 12' 00" S 35° 28' 00" E	2058 m
Lutore Forest		4° 22' 00" S 39° 10' 00" E	152 m
Machakos		1° 31' 00" S 37° 16' 00" E	1714 m
(see also: Masaku)			
Machakos county			
Machakos district		2° 00' 00" S 37° 40' 00" E	
Machakos, 15 mi [=24 km] SE		1° 40' 16" S 37° 25' 12" E	1829 m
Machakos, 15 mi [=24 km] SW	ca.	1° 40' 00" S 37° 07' 00" E	1829 m
Machakos, mear	ca.	1° 31' 00" S 37° 16' 00" E	1219 m
Magadi		1° 54' 00" S 36° 17' 00" E	595 m
Magadi, 3 mi [=4.8 km] E Lake	ca.	1° 52' 00" S 36° 17' 00" E	
(see also: Lake Magadi, 3 mi [=4.8 km] E)			
Magadi, 40 km W Lake (see Lake Magadi, 40 km W)	ca.	1° 45' 27" S 35° 48' 31" E	762 m
Magadi, cave near Lake	ca.	1° 52' 00" S 36° 17' 00" E	
(see also: Lake Magadi, cave near)			
Magadi, lake		1° 52' 00" S 36° 17' 00" E	
(see also: Lake Magadi)			
Magadi, near	ca.	1° 54' 00" S 36° 17' 00" E	2000 ft
Magadi, near Lake	ca.	1° 52' 00" S 36° 17' 00" E	
(see also: Lake Magadi, near)			
Magwagwa Beach, Masembweni		4° 07' 49" S 39° 36' 51" E	
Mahiakalo Cave		0° 14' 52" N 34° 54' 23" E	
Maji Mata (see Maji Ya Moto)		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Mota (see Maji Ya Moto)		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Moto (see Maji Ya Moto), 3 mi W Lake Harrington [=Lake Bogoria]		0° 16' 00" N 36° 03' 00" E	1102 m
Maji Moto, 3 mi [=4.8 km] W (see Maji Ya Moto, 3 mi [=4.8 km] W)	ca.	0° 16' 00" N 36° 03' 00" E	1067 m
Maji Ya Moto		0° 16' 00" N 36° 03' 00" E	1102 m
(see also: Hannington, 3 mi [=4.8 km] W Lake, Lake Bogoria, 3 mi [=4.8 km] W, Lake Hannington, 3 mi [=4.8 km] W, Maji Mata, Maji Mota, Maji Moto)			
Maji Ya Moto, 3 mi [=4.8 km] W	ca.	0° 16' 00" N 36° 03' 00" E	
(see also: Maji Moto, 3 mi [=4.8 km] W)			
Makalia Falls		0° 29' 29" S 36° 04' 54" E	1842 m
Makandara Forest	ca.	4° 15' 00" S 39° 23' 00" E	
Makandara picnic site, Kwale, 8 km W		4° 15' 00" S 39° 23' 00" E	
Makendo (see Makindu)		2° 17' 00" S 37° 49' 00" E	1070 m
Makere, lower Tana river		1° 20' 55" S 40° 00' 19" E	80 m
(see also: Makeri)			
Makeri (see Makere), lower Tana river		1° 20' 55" S 40° 00' 19" E	80 m
Makindu		2° 17' 00" S 37° 49' 00" E	1070 m
(see also: Makendo)			
Makindu cave		2° 17' 00" S 37° 49' 00" E	1070 m
Makindu river, 177 km E Nairobi		2° 09' 25" S 37° 54' 25" E	975 m
(see also: Nairobi, 177 km E)			
Makindu, 13 km NW		2° 14' 00" S 37° 46' 00" E	
Makindu, 16 km NW		2° 12' 00" S 37° 44' 00" E	
Makindu, 19 km NW		2° 18' 00" S 37° 40' 00" E	
Makindu, 19 km W		2° 18' 00" S 37° 40' 37" E	1000 m
Makindu, 35 km E	ca.	2° 18' 00" S 37° 00' 00" E	975 m
Makindu, near, 192 km E Nairobi		2° 18' 00" S 37° 50' 00" E	1200 m
(see also: Nairobi, 192 km E)			
Makindu, Upper cave		2° 17' 00" S 37° 49' 00" E	1585 m
Makoyeti Gorge		1° 22' 00" S 36° 50' 00" E	
Maktau		3° 24' 00" S 38° 08' 00" E	1171 m
(see also: Lualeni Borehole, Mwakitau)			

Maktau, 50 mi [=80 km] S	ca.	3° 24' 00" S 38° 08' 00" E	
(see also: Moctow, 50 mi [=80 km] S)			
Makueni		1° 48' 00" S 37° 37' 00" E	1218 m
(see also: Makueni Boma)			
Makueni Boma (see Makueni)		1° 48' 00" S 37° 37' 00" E	1218 m
Makueni county			
Makueni district			
Malikisi Caves, on Malikisi river	ca.	0° 37' 00" N 34° 13' 00" E	
Malindi		3° 13' 00" S 40° 07' 00" E	0 m
Malindi district			
Malindi, 105 km N (see Kanawa)		2° 20' 00" S 40° 05' 00" E	12 m
Malindi, 30 mi [=48 km] N		2° 46' 00" S 40° 08' 00" E	
Malindi, ca 19 km from		3° 14' 00" S 40° 08' 00" E	
Manda island		2° 16' 29" S 40° 57' 37" E	
(see also: Nanga island)			
Mandera county			
Mandera district		3° 30' 00" N 40° 45' 00" E	
Maningi, 35 mi [=56 km] downstream from Garissa		0° 52' 00" S 39° 54' 00" E	
(see also: Garissa, 35 mi [=56 km] downstream)			
Mara Game Reserve (see Masai Mara Game Reserve)		1° 25' 00" N 34° 55' 00" E	
Mara River	ca.		
Mara River, South West Kenya			1219 m
Mara river, 15 mi [=24 km] up, 15 mi up from Tanganyika border	ca.	0° 16' 00" S 37° 45' 00" E	
Maragat (see Marigat), Perakera River		0° 28' 00" N 35° 59' 00" E	1062 m
Maragat, 15 km N (see Kampi Ya Samaki)		0° 36' 00" N 36° 01' 00" E	
Maragat, 15 mi [=24 km] N (see Kampi Ya Samaki)		0° 36' 00" N 36° 01' 00" E	
Maragogo			
Maragut (see Marigat), Perakera River		0° 28' 00" N 35° 59' 00" E	1062 m
Marakwet (see Kapsowar)		0° 59' 00" N 35° 34' 00" E	2019 m
Maran river (see Marun river)		1° 37' 08" N 35° 32' 35" E	2286 m
Mard river	ca.	1° 15' 00" S 35° 45' 00" E	1372 m
Marigat, Perakera River		0° 28' 00" N 35° 59' 00" E	1036 m
(see also: Maragat, Maragut)			
Marigat, 15 mi [=24 km] N		0° 37' 01" N 36° 01' 59" E	1006 m
Marigat, near, Perakera River	ca.	0° 28' 00" N 35° 59' 00" E	1030 m
Markwijit (see Morkwijit)		1° 12' 00" N 35° 05' 00" E	1996 m
Marsabit county			
Marsabit district		3° 00' 00" N 37° 30' 00" E	
Marsabit road		2° 20' 00" N 37° 59' 00" E	
Marsabit, mount		2° 17' 24" N 37° 56' 41" E	
(see also: Mount Marsabit)			
Marsabit, mount, 30 mi [=48 km] S (see Merelle Water)		1° 23' 00" N 37° 44' 00" E	
Marun river		1° 37' 08" N 35° 32' 35" E	2286 m
(see also: Maran river, Morun river, Orano river, Panyaret river)			
Marungu (see Maungu), 30 km E Voi		3° 33' 00" S 38° 45' 00" E	61 m
Masabubu		1° 12' 47" S 40° 01' 03" E	93 m
Masabubu, 0.5 mi [=0.8 km] E	ca.	1° 12' 00" S 40° 01' 00" E	
Masabubu, 1.5 mi [=2.4 km] E	ca.	1° 12' 00" S 40° 01' 00" E	
Masai Amboseli Game Reserve (see Amboseli Game Reserve)	ca.	2° 30' 00" S 37° 00' 00" E	
Masai Mara Game Reserve		1° 25' 00" N 34° 55' 00" E	
(see also: Mara Game Reserve, Masai Mara National Park, Massai Mara Reserve, Narok-Masai Game Reserve)			
Masai Mara National Park (see Masai Mara Game Reserve)		1° 25' 00" N 34° 55' 00" E	
Masailand	ca.	1° 45' 00" S 36° 00' 00" E	
Masaku (see Machakos)		1° 31' 00" S 37° 16' 00" E	1714 m
Masaku district			
Masol Location		1° 39' 00" N 35° 42' 00" E	762 m
Massai Mara Reserve (see Masai Mara Game Reserve)		1° 25' 00" N 34° 55' 00" E	
Matadoni (see Matondoni)		2° 15' 54" S 40° 50' 17" E	
Matandoni (see Matondoni)		2° 15' 54" S 40° 50' 17" E	
Mathaiga (Golf course), 3 mi [=4.8 km] N Nairobi	ca.	1° 15' 00" S 36° 50' 00" E	1694 m
(see also: Nairobi, 3 mi [=4.8 km] N)			
Mathews Range			
Matondoni		2° 15' 54" S 40° 50' 17" E	
(see also: Matadoni, Matandoni)			
Mau Forest, 20 mi [=32 km] W Nakuru		0° 36' 45" S 35° 44' 24" E	2286 m
(see also: Nakuru, 20 mi [=32 km] W, Njoro river (2))			
Mau Mau cave		0° 13' 01" S 37° 08' 14" E	
Maungu, 30 km E Voi		3° 33' 00" S 38° 45' 00" E	61 m
(see also: Marungu, Voi, 30 km E)			

Maungu Hill, Voi, 48 km SE		3° 37' 30" S 38° 37' 30" E	450 m
(see also: Voi, 48 km SE)			
Maweni river, 6 mi [=9.6 km] S Kilifi		3° 44' 00" S 39° 45' 00" E	
(see also: Kilifi, 6 mi [=9.6 km] S)			
Mazeras		3° 58' 00" S 39° 33' 00" E	287 m
Mbebo Hill (see Mbevo)		1° 39' 00" S 37° 17' 00" E	
Mbero (see Mbevo)		1° 39' 00" S 37° 17' 00" E	
Mbero area (see Mbevo area)	ca.	1° 39' 00" S 37° 17' 00" E	
Mbero Rock	ca.	1° 39' 00" S 37° 17' 00" E	
Mbero Rocks			
Mbeva Hill			
Mbevo		1° 39' 00" S 37° 17' 00" E	
(see also: Mbebo Hill, Mbero)			
Mbevo area	ca.	1° 39' 00" S 37° 17' 00" E	
(see also: Mbero area)			
Mbevo Hills	ca.	1° 37' 00" S 37° 16' 00" E	
Mbeyo Hill (see Kalama (location)), near Machakos	ca.	1° 37' 00" S 37° 16' 00" E	
Mbololo, mount		3° 17' 00" S 38° 28' 00" E	
Mbondone (see Mbondoni)		1° 27' 16" S 37° 31' 57" E	
Mbondoni		1° 27' 16" S 37° 31' 57" E	
(see also: Mbondone)			
Meda (see Mida)		3° 19' 00" S 39° 58' 00" E	2 m
Menegai Caldera (see Menengai Crater)		0° 12' 00" S 36° 04' 00" E	
Menengai, Kampi ya Moto		0° 12' 00" S 35° 58' 00" E	
(see also: Menengai)			
Menengai Crater		0° 12' 00" S 36° 04' 00" E	
(see also: Menegai Caldera, Menengai Crater, cave at S rim, Menengai Crater, Mengengai cave, Menengai Crater, wall, Mount Menengai, Mount Menengai Crater)			
Menengai Crater, cave at S rim (see Menengai Crater)	ca.	0° 12' 00" S 36° 04' 00" E	
Menengai Crater, Mengengai cave (see Menengai Crater)	ca.	0° 12' 00" S 36° 04' 00" E	
Menengai Crater, wall (see Menengai Crater)	ca.	0° 12' 00" S 36° 04' 00" E	
Merelle Water, 30 miles S Mount Marsabit		1° 23' 00" N 37° 44' 00" E	
(see also: Marsabit, mount, 30 mi [=48 km] S , Mount Marsabit, 30 mi [=48 km] S)			
Meru		0° 03' 00" N 37° 39' 00" E	1581 m
Meru county			
Meru district			
Meru National Park			
Meru river, Northern Guaso Nyiro		0° 03' 00" N 37° 39' 00" E	
(see also: Mweru river)			
Mida		3° 19' 00" S 39° 58' 00" E	2 m
(see also: Meda)			
Migori county			
Mitunbur (see Mtembur)		1° 21' 00" N 35° 03' 00" E	1219 m
Mkanda River		4° 24' 26" S 39° 19' 18" E	
Mkonumbi (see Mkunumbi), near Kitu		2° 18' 44" S 40° 42' 04" E	15 m
Mkonumbia (see Mkunumbi), near Kitu		2° 18' 44" S 40° 42' 04" E	15 m
Mkunumbi, near Kitu		2° 18' 44" S 40° 42' 04" E	15 m
(see also: Mkonumbi, Mkonumbia, Nkunumbi)			
Moana Marine Station, 1 km S, 2 km E Ukunda		4° 18' 00" S 39° 35' 00" E	
(see also: Ukunda, 1 km S, 2 km E)			
Moane, SE Ukunda		4° 18' 00" S 39° 35' 00" E	
Mobasa, 20 mi [=32 km] S (see Diani)		4° 16' 19" S 39° 34' 08" E	
Moctow, 50 mi [=80 km] S (see Maktau, 50 mi [=80 km] S)		3° 24' 00" S 38° 08' 00" E	
Mogotio, 3 mi [=4.8 km] N		0° 03' 00" N 35° 58' 01" E	1524 m
Moi's bridge (see Hoey's Bridge)		0° 52' 34" N 35° 07' 13" E	1822 m
Mole (see Molo)		0° 15' 00" S 35° 44' 00" E	
Molo, 30 mi [=48 km] SW lake Hannington		0° 15' 00" S 35° 44' 00" E	
(see also: Bogoria, 30 mi [=48 km] SW, Hannington, 30 mi [=48 km] SW, Lake Bogoria, 30 mi [=48 km] SW, Lake Hannington, 30 mi [=48 km] SW, Mole)			
Molo river		0° 32' 00" N 36° 05' 00" E	1067 m
Molo, 4 mi [=6.4 km] E		0° 13' 59" S 35° 45' 00" E	2347 m
Molo, near		0° 15' 00" S 35° 48' 20" E	
Momandu Hill (see Muumandu)		1° 40' 00" S 37° 17' 00" E	
Mombas (see Mombasa)		4° 03' 00" S 39° 40' 00" E	0 m
Mombasa		4° 03' 00" S 39° 40' 00" E	0 m
(see also: Mombas, Mombassa, Mvita)			
Mombasa county			
Mombasa, 10 km S (see Ngombeni location)		4° 07' 49" S 39° 36' 51" E	31 m
Mombasa, 11 km S (see Ngombeni location)		4° 07' 49" S 39° 36' 51" E	31 m
Mombasa, 12.8 km S		4° 09' 57" S 39° 40' 00" E	
Mombasa, 13 km S		4° 04' 00" S 39° 40' 00" E	

Mombasa, 20 km N (see Kunumara Conference Center)		3° 52' 09" S 39° 40' 00" E	
Mombasa, 20 mi [=32 km] N (see Vipingo)		3° 49' 00" S 39° 48' 00" E	99 m
Mombasa, 22 mi N	ca.	4° 03' 00" S 39° 40' 00" E	
Mombasa, 25 km S (see Tiwi)		4° 14' 00" S 39° 35' 00" E	5 m
Mombasa, 25 mi [=40 km] N (see Vipingo)		3° 49' 00" S 39° 48' 00" E	99 m
Mombasa, 4 mi [=6.4 km] S		4° 04' 00" S 39° 40' 00" E	
Mombasa, 8 km S	ca.	4° 04' 00" S 39° 40' 00" E	
Mombasa, 8 mi S	ca.	4° 04' 00" S 39° 40' 00" E	
Mombasa, cave near	ca.	4° 03' 00" S 39° 40' 00" E	
Mombasa, S of		4° 04' 00" S 39° 40' 00" E	
Mombasa, well S	ca.	4° 03' 00" S 39° 40' 00" E	
Mombassa (see Mombasa)		4° 03' 00" S 39° 40' 00" E	0 m
Morkwijit		1° 12' 00" N 35° 05' 00" E	1996 m
(see also: Markwijit, Nakwajit)			
Morok river		0° 20' 28" N 35° 37' 56" E	1372 m
Morr, 10 km E (see Mount Nyiru)		1° 44' 00" N 36° 09' 00" E	
Morun river (see Marun river)		1° 37' 08" N 35° 32' 35" E	2286 m
Moto cave (see Diani), 20 mi [=32 km] S Mombasa		4° 16' 19" S 39° 34' 08" E	
Mount Elgon	ca.	1° 04' 00" N 34° 34' 00" E	
(see also: Elgon, Mount, Mount Elgon National Park)			
Mount Elgon Caves		0° 52' 00" N 34° 27' 00" E	1951 m
(see also: Elgon caves)			
Mount Elgon National Park (see Mount Elgon)	ca.	1° 04' 00" N 34° 34' 00" E	
Mount Elgon, E face	ca.	1° 03' 00" N 34° 44' 00" E	
Mount Elgon, NE face, 24 km W Kitale	ca.	1° 10' 00" N 34° 42' 00" E	1920 m
(see also: Kitale, 24 km W)			
Mount Elgon, S face	ca.	0° 58' 00" N 34° 55' 00" E	2000 m
Mount Elgon, SE slope	ca.	0° 59' 00" N 34° 38' 00" E	
(see also: Elgon, SE slope of Mount)			
Mount Gargues (see Gargues, mount [summit])		0° 57' 00" N 37° 24' 00" E	2164 m
Mount Kenya (see Kenya, mount)		0° 10' 00" S 37° 20' 00" E	
Mount Kenya, 37 km W (see Nanyuki)		0° 01' 00" N 37° 04' 00" E	1986 m
Mount Kenya, W side	ca.	0° 10' 00" S 37° 20' 00" E	2134 m
(see also: Western Slope of Mount Kenya)			
Mount Loldiani		0° 06' 41" S 35° 43' 41" E	
(see also: Loldiani, mount)			
Mount Lolokwi (see Oldoinyo Sabachi)		0° 49' 41" N 37° 31' 56" E	
Mount Londiani (see Londiani, mount)		1° 09' 00" S 36° 21' 00" E	
(see also: Mount Suswa cave, Ol Doinyo Nyuki, cave, Susua, cave, Suswa caves)			
Mount Lukenya		1° 28' 00" S 37° 03' 00" E	
Mount Marsabit (see Marsabit, mount)		2° 17' 24" N 37° 56' 41" E	1219 m
Mount Marsabit, 30 mi [=48 km] S (see Merelle Water)		1° 23' 00" N 37° 44' 00" E	
Mount Menengai (see Menengai Crater)		0° 12' 00" S 36° 04' 00" E	
Mount Menengai Crater (see Menengai Crater)		0° 12' 00" S 36° 04' 00" E	
Mount Nacelot, near (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river		1° 49' 00" N 35° 18' 00" E	
Mount Nasolot, near (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river		1° 49' 00" N 35° 18' 00" E	
Mount Nyiro (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
Mount Nyiru (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
(see also: Morr, 10 km E)			
Mount Ololdiani (see Londiani, mount)		0° 06' 00" S 35° 43' 00" E	
Mount Susua (see Oldoinyo Nyukie)		1° 09' 00" S 36° 21' 00" E	
Mount Suswa (see Oldoinyo Nyukie)		1° 09' 00" S 36° 21' 00" E	
Mount Suswa cave (see Mount Londiani), 35 mi [= 55 km] WNW Nairobi		1° 09' 00" S 36° 21' 00" E	2195 m
(see also: Nairobi, 35 mi [= 55 km] WNW)			
Mpala Research Center		0° 19' 53" N 36° 52' 21" E	
Mrima hill (see Kichakasimba hill)		4° 29' 07" S 39° 15' 47" E	
Msambweni		4° 27' 49" S 39° 28' 19" E	
Mtembur		1° 21' 00" N 35° 03' 00" E	1670 m
(see also: Mitunbur)			
Mtito Andei		2° 41' 00" S 38° 10' 00" E	769 m
(see also: Mutitu Andei)			
Mtito Andei, 4 mi [=6.4 km] N		2° 40' 59" S 38° 07' 59" E	732 m
Mtito Andei, near	ca.	2° 41' 00" S 38° 10' 00" E	2500 ft
Mudanda Rock Crevices		3° 10' 00" S 38° 31' 00" E	
Muiga, 10 mi [=16 km] NW (see Mweiga, 10 mi [=16 km] NW)	ca.	0° 19' 00" S 36° 54' 00" E	
Mukanda Bridge	ca.	4° 10' 00" S 39° 27' 00" E	
Mukanda one cave		4° 10' 00" S 39° 27' 00" E	
Mukanda river, Shimba Hills Settlement		4° 10' 00" S 39° 27' 00" E	152 m
(see also: Mukanda Stream)			
Mukanda river, near bridge 2, Shimba Hills Settlement	ca.	4° 10' 00" S 39° 27' 00" E	

Mukanda Stream (see Mukanda river)		4° 10' 00" S 39° 27' 00" E	152 m
Mukangu Village		0° 22' 03" N 34° 52' 11" E	
Mukutan		0° 38' 00" N 36° 16' 00" E	1303 m
(see also: Baringo, Ol Mukutan)			
Mumandu Hill (see Muumandu)		1° 40' 00" S 37° 17' 00" E	
Mumias		0° 20' 11" N 34° 29' 21" E	1268 m
Mungokho Village		0° 22' 29" N 34° 53' 55" E	
Murang'a		0° 43' 00" S 37° 09' 00" E	1255 m
(see also: Fort Hall)			
Murang'a county			
Murka mine, near Maktau		3° 22' 00" S 37° 56' 00" E	610 m
Mutitu Andei (see Mtito Andei)		2° 41' 00" S 38° 10' 00" E	769 m
Muumandu		1° 35' 00" S 37° 21' 00" E	
(see also: Momandu Hill, Mumandu Hill, Muumandu Hill, Muumandu Market)			
Muumandu Hill (see Muumandu)		1° 40' 00" S 37° 17' 00" E	
Muumandu Market (see Muumandu)		1° 40' 00" S 37° 17' 00" E	
Mvita (see Mombasa)		4° 03' 00" S 39° 40' 00" E	0 m
Mwakitau (see Maktau)		3° 24' 00" S 38° 08' 00" E	1171 m
Mwapewa caves (see Diani)		4° 16' 19" S 39° 34' 08" E	
Mweiga, 10 mi [=16 km] NW	ca.	0° 19' 00" S 36° 54' 00" E	
(see also: Muiga, 10 mi [=16 km] NW)			
Mwele Forest, 12 km S, 11 km W Kwale		4° 17' 00" S 39° 21' 00" E	
Mweru river (see Meru river), Northern Guaso Nyiro		0° 03' 00" N 37° 39' 00" E	
Mwingi		0° 56' 00" S 38° 04' 00" E	938 m
Mwingi, 10 mi [1.6 km] E	ca.	0° 56' 00" S 38° 04' 00" E	
Mzima Springs		2° 59' 17" S 38° 01' 26" E	
Nacelot, near mount (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river		1° 49' 00" N 35° 18' 00" E	
Naibei's Great Cave		0° 50' 00" N 34° 42' 00" E	
Nairobi		1° 17' 00" S 36° 49' 00" E	1728 m
(see also: Nairobi Station)			
Nairobi - Mombasa road, 150 km along (see Hunter's Lodge)	ca.	2° 11' 00" S 37° 43' 00" E	
Nairobi (former) province			1707 m
Nairobi area	ca.	1° 17' 00" S 36° 49' 00" E	
Nairobi county			
Nairobi district			
Nairobi Fort (see Karen)		1° 20' 00" S 36° 45' 00" E	
Nairobi National Park		1° 22' 00" S 36° 50' 00" E	
Nairobi river	ca.		
Nairobi Royal National Park		1° 22' 00" S 36° 50' 00" E	
Nairobi Station (see Nairobi)		1° 17' 00" S 36° 49' 00" E	
Nairobi, 10 mi [=16 km] S, on river	ca.	1° 20' 00" S 36° 49' 00" E	
Nairobi, 10 mi [=16 km] W (see Karen)		1° 20' 00" S 36° 45' 00" E	
Nairobi, 10 mi [=16 km] below, on river	ca.	1° 17' 00" S 36° 49' 00" E	1707 m
Nairobi, 177 km E (see Makindu river)		2° 09' 25" S 37° 54' 25" E	
Nairobi, 192 km E (see Makindu, near)		2° 18' 00" S 37° 50' 00" E	
Nairobi, 3 mi [=4.8 km] N (see Mathaiga (Golf course))	ca.	1° 15' 00" S 36° 50' 00" E	1694 m
Nairobi, 30 mi [=48 km] E		1° 31' 00" S 37° 16' 00" E	1524 m
Nairobi, 32 km N (see Ruiru)		1° 09' 00" S 36° 58' 00" E	1564 m
Nairobi, 32 mi [=52 km] NE (see Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Nairobi, 35 mi [= 55 km] WNW (see Mount Suswa cave)		1° 09' 00" S 36° 21' 00" E	2195 m
Nairobi, 6 mi [=9.6 km] N	ca.	1° 17' 00" S 36° 49' 00" E	
Nairobi, 96 mi [=154 km] from		2° 10' 00" S 37° 33' 00" E	
Nairobi, University		1° 17' 00" S 36° 49' 00" E	
Nairobo, 155 km SE (see Simba)		2° 10' 00" S 37° 36' 00" E	
Naivasha		0° 43' 00" S 36° 26' 00" E	2085 m
(see also: Naivasha Station)			
Naivasha district			
Naivasha Station (see Naivasha)		0° 43' 00" S 36° 26' 00" E	2085 m
Naivasha, 1 km S, 25 km W (see Ndabibi cave)		0° 44' 00" S 36° 13' 00" E	
Naivasha, 10 mi [=16 km] W	ca.	0° 42' 46" S 36° 17' 13" E	
Naivasha, 2 mi [=3.2 km] SE (see Naivasha, Lake Hotel)		0° 44' 00" S 36° 26' 00" E	
Naivasha, 24 km E		0° 44' 00" S 36° 39' 00" E	
Naivasha, 35 km E		0° 44' 00" S 36° 45' 00" E	1890 m
Naivasha, 35.4 km E		0° 44' 00" S 36° 45' 00" E	1900 m
Naivasha, 7 mi [=11 km] SE	ca.	0° 47' 33" S 36° 28' 36" E	
Naivasha, cave near lake	ca.	0° 46' 00" S 36° 21' 00" E	
(see also: Lake Naivasha, cave near)			
Naivasha, E shore lake	ca.	0° 46' 00" S 36° 21' 00" E	1829 m
(see also: Lake Naivasha, E shore)			
Naivasha, lake		0° 46' 00" S 36° 21' 00" E	6000 ft
(see also: Enaiposha, Lake Naivasha)			
Naivasha, Lake Hotel		0° 44' 00" S 36° 26' 00" E	
(see also: Naivasha, 2 mi [=3.2 km] SE)			

Naivasha, near lake	ca.	0° 46' 00" S 36° 21' 00" E	1890 m
(see also: Lake Naivasha, near)			
Naivasha, S end lake	ca.	0° 46' 00" S 36° 21' 00" E	
(see also: Lake Naivasha, S end)			
Nakuchett, 16 mi NNE Kacheliba		1° 46' 00" N 35° 07' 00" E	1311 m
(see also: Kacheliba, 16 mi [=25.7 km] NNE)			
Nakuru		0° 17' 00" S 36° 04' 00" E	1952 m
Nakuru county			
Nakuru district			6000 ft
Nakuru Lake Forest (see Lake Naruku National Park)		0° 20' 22" S 36° 05' 59" E	
Nakuru Lake Forest Reserve (see Lake Naruku National Park)		0° 20' 22" S 36° 05' 59" E	
Nakuru Prison cave, 4 km N, 2 km W Nakuru	ca.	0° 17' 00" S 36° 04' 00" E	
(see also: Nakuru, 4 km N, 2 km W)			
Nakuru, 12 km S, 4 km E		0° 24' 00" S 36° 07' 00" E	
Nakuru, 2 mi [=3.2 km] S		0° 18' 00" S 36° 01' 00" E	1920 m
Nakuru, 2 mi [=3.2 km] W		0° 17' 00" S 36° 02' 16" E	1844 m
Nakuru, 20 mi [=32 km] W (see Mau Forest)		0° 36' 45" S 35° 44' 24" E	
Nakuru, 22.5 km N (see Solai valley)		0° 03' 00" N 36° 09' 00" E	1950 m
Nakuru, 3 km S, 3 km W (see Njoro river)		0° 19' 00" S 36° 03' 00" E	
Nakuru, 4 km N, 2 km W (see Nakuru Prison cave)	ca.	0° 17' 00" S 36° 04' 00" E	
Nakuru, 4 mi [=6.4 km] E		0° 17' 00" S 36° 07' 28" E	
Nakuru, 4 mi E (see Kit Rawlins Farm)	ca.	0° 17' 00" S 36° 04' 00" E	
Nakuru, 5 km WSW		0° 16' 00" S 36° 04' 00" E	
Nakuru, 6 km E		0° 17' 00" S 36° 07' 28" E	
Nakuru, 7 km S, 5 km E (see Lion Hill cave)		0° 21' 00" S 36° 08' 00" E	
Nakuru, lake (see Lake Nakuru)		0° 21' 25" S 36° 06' 35" E	1829 m
Nakuru, near		0° 17' 00" S 36° 04' 00" E	1981 m
Nakwajit (see Morkwijit)		1° 12' 00" N 35° 05' 00" E	1996 m
Namanga	ca.	2° 33' 00" S 36° 48' 00" E	1359 m
Namanga, near, near Lake Amboseli	ca.	2° 33' 00" S 36° 48' 00" E	
Nambale, 10 mi [=16 km] N		0° 35' 34" N 34° 15' 07" E	
Nambale,10 mi [=16 km] N (see Amakura)		0° 34' 14" N 34° 16' 19" E	1220 m
Nandi county			
Nanga island (see Manda island)		2° 16' 29" S 40° 57' 37" E	
Nanguki (see Nanyuki), 37 km W of Mt. Kenya		0° 01' 00" N 37° 04' 00" E	1986 m
Nanyuki, 37 km W of Mt. Kenya		0° 01' 00" N 37° 04' 00" E	1986 m
(see also: Kenya, mount, 37 km W, Mount Kenya, 37 km W, Nanguki)			
Nanyuki district			
Nanyuki river	ca.	0° 06' 00" S 37° 13' 00" E	
Nanyuki, 24 mi [=39 km] N	ca.	0° 22' 00" N 37° 05' 00" E	
Nanyuki, 27 mi [=43 km] NW (see Sosian Game Ranch)	ca.	0° 14' 00" N 36° 42' 00" E	
Nanyuki, 38 km N		0° 22' 00" N 37° 05' 00" E	
Nanyuki, near	ca.	0° 01' 00" N 37° 04' 00" E	
Nara Moro (see Naro Moru)		0° 10' 00" S 37° 01' 00" E	1890 m
Naragat, 15 mi [=24 km] N (see Kampi Ya Samaki)		0° 36' 00" N 36° 01' 00" E	1054 m
Naro Moru		0° 10' 00" S 37° 01' 00" E	1890 m
(see also: Nara Moro)			
Narok county			
Narok district		1° 15' 00" S 35° 45' 00" E	
Narok, 35 mi [=56 km] WNW (see Olkenyie)		1° 13' 00" S 35° 28' 00" E	
Narok-Masai Game Reserve (see Masai Mara Game Reserve)		1° 25' 00" N 34° 55' 00" E	
Naruku, lake, National Park (see Lake Naruku National Park)		0° 20' 22" S 36° 05' 59" E	1757 m
Nasolot, near mount, 6 mi [=10 km] S Turkwell river		1° 49' 00" N 35° 18' 00" E	
(see also: Mount Nacelot, near, Mount Nasolot, near, Nacelot, near mount, Turkwell river, 6 mi [=10 km] S)			
Ndabibi cave, 1 km S, 25 km W Naivasha		0° 44' 00" S 36° 13' 00" E	
(see also: Naivasha, 1 km S, 25 km W)			
Ndara hills, Voi		3° 31' 00" S 38° 36' 00" E	
Ndauni area, Machakos district?	ca.	2° 01' 00" S 37° 26' 00" E	
Ndi		3° 14' 00" S 38° 30' 00" E	2000 m
Ndiani coast (see Diani Beach)		4° 18' 13" S 39° 35' 01" E	
NE base along the Wei Wei River, Cherangani Mountains			
New Frontier district		0° 34' 00" N 37° 35' 00" E	
New Kijabe (see Kijabe Station)		0° 55' 00" S 36° 35' 00" E	
NFD, Isiolo			
Ngambo, Mole river		0° 30' 00" N 36° 04' 00" E	1036 m
Ngangao forest, 4.25 km N, 1.75 km W Wundanyi		3° 22' 00" S 38° 20' 00" E	
(see also: Wundanyi, 4.25 km N, 1.75 km W)			
Ngangas Forest, 4.5 km N, 1.75 km W Wundanyi		3° 22' 00" S 38° 21' 00" E	1798 m
(see also: Ngaugao Forest, Wundanyi, 4.5 km N, 1.75 km W)			

Ngaranyiru, Mweiga		0° 19' 00" S 36° 54' 00" E	
Ngare Narok River (see Engare Narok River)	ca.	1° 12' 48" S 35° 52' 50" E	
Ngare Nyuki, lower			
Ngasha (see Nyangala Hill), 40 km SE Voi		3° 37' 00" S 38° 44' 00" E	
Ngatana	ca.	2° 10' 48" S 40° 11' 24" E	
Ngato Ngishu (see Ongata Onkishu)		2° 35' 00" S 37° 05' 00" E	
Ngaugao Forest (see Ngangas Forest)		3° 22' 00" S 38° 21' 00" E	1798 m
Ng'enyi		2° 10' 00" N 36° 48' 00" E	
Ngiro, 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
(see also: En Doinyo Ngiro, En Doinyo Nyiro, Mount Nyiro, Mount Nyiru, Ngiro, En Doinyo, Nyiro, En Doinyo, Nyiru, mount, Udongerio)			
Ngiro, En Doinyo (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
Ngobi forest, Nairobi (Nakuru road)	ca.	0° 45' 00" S 36° 30' 00" E	
Ngombeni (see Ngombeni location), 10 km S Mombasa		4° 07' 49" S 39° 36' 51" E	31 m
Ngombeni caves (see Ngombeni location), 11 km S Mombasa		4° 07' 49" S 39° 36' 51" E	31 m
Ngombeni location		4° 07' 49" S 39° 36' 51" E	31 m
(see also: Mombasa, 10 km S, Mombasa, 11 km S, Ngombeni, Ngombeni caves, Ngomheni, Similani caves)			
Ngomeni		3° 00' 12" S 40° 11' 28" E	1 m
Ngomeni, N of Kitui		1° 22' 00" S 38° 01' 00" E	
Ngomheni (see Ngombeni location), 10 km S Mombasa		4° 07' 49" S 39° 36' 51" E	31 m
Ngong, near Nairobi		1° 22' 00" S 36° 39' 00" E	1829 m
(see also: Ngong Forest)			
Ngong Forest (see Ngong), near Nairobi		1° 22' 00" S 36° 39' 00" E	1829 m
Ngong Hills		1° 24' 00" S 36° 38' 00" E	
(see also: Keambiroiro, Kiambiruiru, Lollaisihr, Ol Doinyo, Lollaisir, Ol Doinyo, Ol Doinyo Lollaisihr, Ol Doinyo Lollaisir, Ol Doinyo Ololemoya, Ololemoya, Ol Doinyo)			
Ngore Ngore		1° 02' 00" S 35° 30' 00" E	1982 m
Nguruman Escarpment, Uaso River Bridge, 1.6 km N		1° 45' 00" S 36° 02' 00" E	610 m
Njerowa Gorge, near lake Naivasha		0° 54' 00" S 36° 19' 00" E	
Njoro, Nakuru		0° 19' 00" N 36° 06' 00" E	2286 m
Njoro river, 3 km S, 3 km W Nakuru		0° 19' 00" S 36° 03' 00" E	
(see also: Nakuru, 3 km S, 3 km W)			
Njoro river (2) (see Mau Forest), 20 mi [=32 km] W Nakuru	ca.	0° 36' 45" S 35° 44' 24" E	2286 m
Njoro, 3 mi [=4.8 km] W		0° 20' 00" S 35° 54' 00" E	2225 m
Nkidong Valley		1° 10' 00" S 36° 30' 00" E	6000 ft
(see also: Kedong Valley)			
Nkunumbi (see Mkunumbi), near Kitu		2° 18' 44" S 40° 42' 04" E	15 m
Norogoro			
North Cherangani		1° 00' 00" N 35° 14' 00" E	1981 m
North Nandi Forest		0° 20' 00" N 34° 58' 00" E	ca. 2018 m
North-Eastern (former) province			
Northern Guaso Nyiro, Nyuki [=Nanyuki] river	ca.	0° 06' 00" S 37° 13' 00" E	
(see also: Northern Nanyuki river, Northern Nyuki river)			
Northern Nanyuki river (see Northern Guaso Nyiro, Nyuki [=Nanyuki] river)	ca.	0° 06' 00" S 37° 13' 00" E	
Northern Nyuki river (see Northern Guaso Nyiro, Nyuki [=Nanyuki] river)	ca.	0° 06' 00" S 37° 13' 00" E	
Nyaami	ca.	1° 48' 00" S 37° 25' 00" E	
Nyala Beach hotel		4° 04' 00" S 39° 40' 00" E	
Nyama Yango, 38 mi [=61 km] N Isiolo		0° 54' 11" N 37° 35' 00" E	
(see also: Isiolo, 38 mi [=61 km] N)			
Nyamindi, 10 mi [=16 km] W Embu		0° 40' 00" S 37° 25' 00" E	1463 m
(see also: Daraja na Moneu, Embu, 10 mi [=16 km] W)			
Nyamira county			
Nyandarua county			
Nyangala Hill, 40 km SE Voi		3° 37' 00" S 38° 44' 00" E	
(see also: Ngasha, Voi, 40 km SE)			
Nyanza (former) province	ca.	0° 30' 00" S 34° 30' 00" E	1524 m
Nyeri, near Mount Kenya		0° 25' 00" S 36° 57' 00" E	1768 m
(see also: Nyiri)			
Nyeri county			
Nyiri (see Nyeri)		0° 25' 00" S 36° 57' 00" E	1768 m
Nyiro, En Doinyo (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
Nyiru, mount (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
Ol Doinyo Lollaisihr (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Ol Doinyo Lollaisir (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Ol Doinyo Nyuki, cave (see Mount Londiani)		1° 09' 00" S 36° 21' 00" E	

Ol Doinyo Ololemoya (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Ol Doinyo Sapuk, mount (see Donyo Sabuk), 32 mi NE Nairobi		1° 08' 00" S 37° 16' 00" E	
Ol Donyo Sabuk National Park (see Donyo Sabuk), 32 mi NE Nairobi		1° 08' 00" S 37° 16' 00" E	
Ol Jogi Conservancy		0° 21' 00" N 36° 57' 00" E	
Ol Jogi Dam		0° 19' 29" N 36° 56' 05" E	
Ol Mukutan (see Mukutan)		0° 38' 00" N 36° 16' 00" E	1303 m
Ol Muteita (see Elmenteita, lake)		0° 26' 25" S 36° 14' 34" E	1829 m
Ol Tukai lodge (see Oltukai lodge)		2° 40' 01" S 37° 17' 00" E	
Oldoinyo Nyukie (see also: Mount Susua, Mount Suswa, Susua, mount, Suswa, mount)		1° 09' 00" S 36° 21' 00" E	
Oldoinyo Nyukie, cave		1° 09' 00" S 36° 21' 00" E	
Oldoinyo Sabachi (see also: Lolokwi, mount, Mount Lolokwi)		0° 49' 41" N 37° 31' 56" E	
Ol'Donyo Sabuk (see Donyo Sabuk)		1° 08' 00" S 37° 16' 00" E	
Olebortoto River (see Oleibortoto river) (see also: River Olebortoto)		1° 50' 00" S 36° 00' 00" E	
Oleibortoto river (see also: Olebortoto River)		1° 50' 00" S 36° 00' 00" E	
Olkenyie, 35 mi [=56 km] WNW Narok (see also: Narok, 35 mi [=56 km] WNW)		1° 13' 00" S 35° 28' 00" E	
Oloitokitok, near Government Rest House		2° 55' 49" S 37° 30' 18" E	
Ololbutot (see also: Hells Gate Canyon)		0° 55' 00" S 36° 19' 00" E	
Ololdiani, mount (see Londiani, mount)		0° 06' 00" S 35° 43' 00" E	
Ololemoya, Ol Doinyo (see Ngong Hills)		1° 24' 00" S 36° 38' 00" E	
Ololkisalie National Park (see Olorgasailie), near Magadi		1° 34' 00" S 36° 27' 00" E	
Ololkisalie National Park (see Olorgasailie)		1° 34' 00" S 36° 27' 00" E	1050 m
Ololkisalie Royal National Park (see Olorgasailie), near Magadi		1° 34' 00" S 36° 27' 00" E	
Ololkisalie Royal National Park (see Olorgasailie)		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgasailie (see also: Ololkisalie National Park, Ololkisalie Royal National Park, Olorgasailie National Monument, Olorgesailie Pre-historic Site, Olorgesaille Royal National Park)		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgasailie, near Magadi (see also: Ololkisalie National Park , Ololkisalie Royal National Park , Olorgasailie National Monument, Olorgesailie Pre-historic Site, Olorgesaille Royal National Park)		1° 34' 00" S 36° 27' 00" E	
Olorgasailie National Monument (see Olorgasailie)		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgasailie National Monument (see Olorgasailie), near Magadi		1° 34' 00" S 36° 27' 00" E	
Olorgesailie Pre-historic Site (see Olorgasailie)		1° 34' 00" S 36° 27' 00" E	1050 m
Olorgesailie Pre-historic Site (see Olorgasailie), near Magadi		1° 34' 00" S 36° 27' 00" E	
Olorgesaille Royal National Park (see Olorgasailie), near Magadi		1° 34' 00" S 36° 27' 00" E	
Olorgesaille Royal National Park (see Olorgasailie)		1° 34' 00" S 36° 27' 00" E	1050 m
Oltukai lodge (see also: Ol Tukai lodge)		2° 40' 01" S 37° 17' 00" E	
Ongata Onkishu (see also: Guas Ngishu, Ngato Ngishu)		2° 35' 00" S 37° 05' 00" E	
Orano river (see Marun river)		1° 37' 08" N 35° 32' 35" E	2286 m
Ortum		1° 26' 00" N 35° 21' 00" E	
Osufuko Lerego (see Aberdare mountains)		0° 23' 08" S 36° 38' 08" E	
Othaya		0° 34' 00" S 34° 57' 00" E	1825 m
Ozi river (see Tana river), Bura		2° 31' 49" S 40° 31' 26" E	
Pango La Mwana Moto	ca.	4° 11' 00" S 39° 27' 00" E	
Panyaret river (see Marun river)		1° 37' 08" N 35° 32' 35" E	2286 m
Paradise, lake (see Sokorte Guda)		2° 15' 44" N 37° 56' 07" E	
Pate, island (see also: Patta, island)		2° 06' 11" S 41° 03' 30" E	
Patta, island (see Pate, island)		2° 06' 11" S 41° 03' 30" E	
Pipeline cave		0° 32' 21" S 36° 17' 40" E	
Poi, 2 mi [=3.2 km] N		0° 45' 03" N 35° 49' 55" E	1524 m
Port Dawnford			
Port Florence (see Kisumu)		0° 06' 00" S 34° 45' 00" E	1131 m
Port Reitz, Mombasa		4° 03' 00" S 39° 37' 00" E	
Pyramid Camp		0° 18' 34" N 36° 04' 34" E	
Raba (see Rabai), Mombassa, near		3° 56' 00" S 39° 34' 00" E	700 ft
Rabai, Mombassa, near (see also: Raba, Ravai)		3° 56' 00" S 39° 34' 00" E	700 ft

Ramu		3° 55' 15" N 41° 13' 09" E	365 m
Ravai (see Rabai), Mombassa, near		3° 56' 00" S 39° 34' 00" E	700 ft
Renishaw (see Barberton Farm), 20 mi SW Kitale		0° 45' 00" N 34° 45' 00" E	
Renshaw Barberton Farm (see Barberton Farm), 20 mi [=32 km] SW Kitale		0° 45' 00" N 34° 45' 00" E	
Rhino Corner		2° 47' 00" S 38° 26' 00" E	
Rift Valley			
Rift Valley (former) province			
River Olebortoto (see Olebortoto River)			
Rocky Island, Uhaya Bay			
Rodolfo, lago (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Rondo forest, Kakamega forest		0° 14' 43" N 34° 52' 52" E	
Rongai		0° 10' 00" S 35° 51' 00" E	1911 m
Rongai, 5 km S	ca.	0° 11' 00" S 35° 52' 00" E	
Rongai, 5 mi [=8 km] SW, Molo river	ca.	0° 11' 00" S 35° 52' 00" E	
Ruaraka, Safari Park Hotel; NE of Nairobi (see also: Ruivi)		1° 14' 00" S 36° 53' 00" E	5300 ft
Rudolf Hayk' (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Rudolf, lake (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	
Rudolph, W side lake (see Turkana, W side lake)		3° 30' 00" N 36° 00' 00" E	
Ruiru, 32 km N Nairobi (see also: Nairobi, 32 km N)		1° 09' 00" S 36° 58' 00" E	1564 m
Ruivi (see Ruaraka), Nairobi, N	ca.	1° 14' 00" S 36° 53' 00" E	5300 ft
Rumurati, 64 km NW (see Laikipia ranch)		0° 16' 00" N 36° 32' 00" E	1829 m
Rumuriti		0° 16' 00" N 36° 32' 00" E	1821 m
Rumuruti, 40 mi [=64 km] N	ca.	0° 16' 00" N 36° 32' 00" E	1372 m
Rumuruti, 40 mi [=64 km] NW (see Laikipia ranch)		0° 16' 00" N 36° 32' 00" E	1829 m
Rumuruti, 45 km N	ca.	0° 16' 00" N 36° 32' 00" E	
Sabaki river (see Sebaki river)		3° 09' 00" S 38° 00' 00" E	
Sabatia		0° 02' 00" S 35° 45' 00" E	
Saboti (see Saboti African Centre)		0° 56' 00" N 34° 50' 00" E	1951 m
Saboti African Centre (see also: Saboti)		0° 56' 00" N 34° 50' 00" E	1951 m
Saboti caves, S side Mount Elgon		1° 07' 00" N 34° 35' 00" E	1951 m
Saboti, 3 mi [=4.8 km] SE		0° 52' 59" N 34° 49' 59" E	1951 m
Sagalla		3° 31' 00" S 38° 34' 00" E	864 m
Sagana river	ca.	0° 40' 00" S 37° 12' 00" E	
Saint Paul's Amukura Secondary School (see Amakura), 10 mi [=16 km] N Nambale		0° 34' 14" N 34° 16' 19" E	1220 m
Saiwa river		1° 06' 00" N 35° 07' 00" E	610 m
Sala		3° 06' 00" S 39° 11' 00" E	
Salazar Trail		0° 20' 06" N 34° 52' 26" E	
Samburu county			
Samburu district		1° 15' 00" N 37° 00' 00" E	
Samburu Game Lodge (see Samburu Game Reserve), Vasio Nyiro[=Uwaso Ngiro] River		0° 40' 00" N 37° 32' 00" E	914 m
Samburu Game Reserve, Vasio Nyiro[=Uwaso Ngiro] River (see also: Samburu Game Lodge, Samburu Uaso Nyiro Game Reserve)		0° 40' 00" N 37° 32' 00" E	914 m
Samburu Uaso Nyiro Game Reserve (see Samburu Game Reserve), Vasio Nyiro[=Uwaso Ngiro] River		0° 40' 00" N 37° 32' 00" E	
Samokitok, Masol area	ca.	1° 39' 34" N 35° 40' 34" E	750 m
Sand River (campting on), border Mara-Masai National Reserve	ca.	1° 33' 23" S 35° 01' 47" E	
Sarmach (see Sarmai)		1° 46' 00" N 35° 28' 00" E	
Sarmai (see also: Sarmach)		1° 46' 00" N 35° 28' 00" E	610 m
Sebaki river (see also: Sabaki river)		3° 09' 00" S 38° 00' 00" E	
Shell BM Camp, 5 mi E Kipini (see also: Kipini, 5 mi [=8 km] E)		2° 31' 00" S 40° 31' 00" E	
Shetani cave (see Kilaguni Lodge), NW of Kilaguni lodge	ca.	2° 53' 58" S 38° 03' 18" E	
Shikusa, near Kakamega		0° 15' 00" N 34° 45' 00" E	5500 ft
Shimani (see Shimoni)		4° 38' 50" S 39° 23' 00" E	0 m
Shimba hills (see also: Chale plateau)		4° 13' 00" S 39° 25' 00" E	305 m
Shimba hills (forest) (see Shimba Hills Nature Reserve)		4° 14' 00" S 39° 25' 00" E	
Shimba Hills Nature Reserve (see also: Shimba hills (forest))		4° 14' 00" S 39° 25' 00" E	
Shimba Hills Nature Reserve		4° 14' 00" S 39° 25' 00" E	
Shimba Hills Settlement		4° 21' 46" S 39° 24' 56" E	
Shimilani, 15 mi [=24 km] S Mombasa		4° 14' 00" S 39° 36' 00" E	
Shimo Kapseta cave (see also: Grotte de Shimo Kapseta, Kapseta)	ca.	1° 05' 00" N 34° 45' 00" E	2300 m

Shimoni, 50 mi S of Mombasa (see also: Shimani)		4° 38' 50" S 39° 23' 00" E	0 m
Shimoni area		4° 38' 38" S 39° 23' 09" E	
Shimoni cave		4° 38' 50" S 39° 23' 00" E	0 m
Shimu Na Kito			
Siaya county			
Sigoor Camp (see Sigor)		1° 29' 00" N 35° 28' 00" E	750 m
Sigor (see also: Sigoor Camp)		1° 29' 00" N 35° 28' 00" E	750 m
Sigor, 1 mi [=1.6 km] SE	ca.	1° 29' 00" N 35° 29' 00" E	
Sigor, 1.5 km S, 1.5 km E (see Weiwei River Bridge)		1° 29' 00" N 35° 29' 00" E	1030 m
Sigor, 2 mi [=3.2 km] S, Weie-Wei river	ca.	1° 28' 00" N 35° 28' 00" E	1006 m
Simba (see Eldoinyo Lengamlo), Kiboboko River, on Mombasa Road, 155 km from Nairobi (see also: Nairobo, 155 km SE)		2° 10' 00" S 37° 33' 00" E	
Simba river, on Mombasa Road, 96 mi [=155 km] from Nairobi		2° 30' 00" S 37° 53' 00" E	1200 m
Similani caves (see Ngombeni location), 10 km S Mombasa		4° 07' 49" S 39° 36' 51" E	31 m
Sirmai, near Sigor; 70 (?) mi [=113 km (?)] NE Kapenguria (see also: Kapenguria, 70 (?) mi [=113 (?) km] NE)	ca.	1° 28' 00" N 35° 28' 00" E	
Sokoke Forest, 6 mi [=9.6 km] WNW Kilifi (see also: Kilifi, 6 mi [=9.7 km] WNW)		3° 29' 00" S 39° 50' 00" E	200 ft
Sokorte Guda (see also: Lake Paradise, Paradise, lake)		2° 15' 44" N 37° 56' 07" E	
Solai valley, 22.5 km N Nakuru (see also: Nakuru, 22.5 km N)		0° 03' 00" N 36° 09' 00" E	1950 m
Songhor, near Kisumu		0° 03' 00" S 35° 14' 00" E	
Sosian Game Ranch (see also: Nanyuki, 27 mi [=43 km] NW)	ca.	0° 14' 00" N 36° 42' 00" E	
Sotik	ca.	0° 41' 29" S 35° 06' 39" E	
South Elgon		1° 07' 00" N 34° 35' 00" E	2012 m
South Kinangop plateau		0° 43' 51" S 36° 39' 33" E	8000 ft
South Nguasso Nyiro river			
South Turkana			
southeast slopes		1° 08' 00" N 34° 33' 00" E	
Southern slopes Mt …			
State Lodge Campsite		0° 06' 34" S 34° 44' 46" E	
Stoneham Museum, 12 mi [=19 km] ESE Kitale (see also: Kitale, 12 mi [=19 km] ESE)		1° 01' 00" N 35° 01' 01" E	1890 m
Suam river, Kongelai Escarpment (see also: Swan river, Swom river)		1° 48' 00" N 35° 09' 00" E	
Subukia, near Mount Merengai		0° 10' 00" S 36° 11' 00" E	2134 m
Sultan Hamud		2° 01' 00" S 37° 22' 00" E	1371 m
Susua, cave (see Mount Londiani)		1° 09' 00" S 36° 21' 00" E	
Susua, mount (see Oldoinyo Nyukie)		1° 09' 00" S 36° 21' 00" E	
Suswa caves (see Mount Londiani)		1° 09' 00" S 36° 21' 00" E	
Suswa, mount (see Oldoinyo Nyukie)		1° 09' 00" S 36° 21' 00" E	
Suyan Lugga, Bansaloi area, Mount Kenya		0° 10' 00" S 37° 20' 00" E	1219 m
Suyani, 10 km N, West Kenya		1° 25' 00" N 36° 37' 00" E	
Swan river (see Suam river), Kongelai Escarpment		1° 48' 00" N 35° 09' 00" E	1372 m
Swom river (see Suam river), Kongelai Escarpment		1° 48' 00" N 35° 09' 00" E	1372 m
Taita		3° 20' 00" S 38° 20' 00" E	
Taita district			
Taita hills			
Taita Taveta county			
Taka Ungu (see Takaungu), 4 mi S Kilifi, near Uombesa		3° 41' 00" S 39° 51' 00" E	5 m
Taka Unka, Ungu Palm Grove on Coast (see Takaungu)		3° 41' 00" S 39° 51' 00" E	5 m
Takaba (see also: Takabba)		3° 21' 19" N 40° 13' 22" E	606 m
Takaba, 25 mi [=40 km] WSW (see also: Takabba, 25 mi [=40 km] WSW)		3° 22' 00" N 39° 45' 00" E	853 m
Takaba, 64.7 km WSW (see also: Takabba, 64.7 km WSW)		3° 22' 00" N 39° 45' 00" E	853 m
Takabba (see Takaba)		3° 21' 19" N 40° 13' 22" E	606 m
Takabba, 25 mi [=40 km] WSW (see Takaba, 25 mi [=40 km] WSW)		3° 22' 00" N 39° 45' 00" E	853 m
Takabba, 64.7 km WSW (see Takaba, 64.7 km WSW)		3° 22' 00" N 39° 45' 00" E	853 m
Takaungu (see also: Taka Ungu, Taka Unka, Ungu Palm Grove on Coast)		3° 41' 00" S 39° 51' 00" E	5 m
Talek Gate		1° 26' 00" S 35° 04' 00" E	
Talek Gate, 4.3 km NW		1° 23' 00" S 34° 53' 00" E	
Talek Gate, near	ca.	1° 26' 00" S 35° 04' 00" E	

Talek River, 5 mi [=8 km] above Jagartek River junction	ca.	1° 24' 51" S 35° 05' 49" E	
Tambala Falls (see Kongelai Escarpment)		1° 28' 00" N 35° 01' 00" E	1676 m
Tamkal Camp		1° 23' 00" N 35° 28' 00" E	
Tana river		0° 00' 00" S 37° 00' 00" E	
Tana river, Bura		2° 31' 49" S 40° 31' 26" E	
(see also: Kiluluma, Ozi river)			
Tana River county			
Tangasha River (see Tangasia River)		1° 14' 00" N 35° 23' 00" E	2286 m
Tangasia River		1° 14' 00" N 35° 23' 00" E	2286 m
(see also: Tangasha River)			
Tarla's Dam (see Kapenguria)		1° 14' 00" N 35° 07' 00" E	
Taveta		3° 23' 00" S 37° 40' 00" E	
Taveta Sisal Estate, SW Taveta		3° 24' 00" S 37° 41' 00" E	910 m
Taveta, 3 km E		3° 23' 00" S 37° 42' 00" E	760 m
Tharaka Nithi county			
Thekla river		2° 31' 00" S 40° 31' 00" E	
Thika		1° 03' 00" S 37° 05' 00" E	
(see also: Dhika)			
Thika road, 12 km NE Nairobi		1° 13' 15" S 36° 53' 22" E	
Thika, 16 km N		0° 54' 00" S 37° 05' 00" E	1500 m
Thika, 6 km N	ca.	0° 59' 37" S 37° 05' 09" E	ca. 1500 m
(see also: Dhika, 6 km N)			
Thika, near	ca.	1° 03' 00" S 37° 05' 00" E	
Tiwi, 25 km S Mombasa		4° 14' 00" S 39° 35' 00" E	5 m
(see also: Mombasa, 25 km S)			
Tiwi Beach, 25 km S Mombasa		4° 14' 00" S 39° 35' 00" E	2 m
Tiwi River delta		4° 15' 00" S 39° 35' 00" E	
Tiwi, 1 km N	ca.	4° 14' 00" S 39° 34' 00" E	
Tiwi, NW of	ca.	4° 14' 00" S 39° 34' 00" E	
Tokaungu (see Kilifi, 4 mi [=6.4 km] S), 4 mi [=6.4 km] S Kilifi		3° 41' 00" S 39° 51' 00" E	5 m
Tororo	ca.	0° 37' 00" N 34° 12' 00" E	
Tororo, 30 mi [=48 km] E		0° 40' 00" N 34° 30' 00" E	1524 m
Trans Nzoia county			
Trans-Nzoia district		0° 50' 00" N 35° 00' 00" E	ca. 1828 m
Tsavo East National Park			
Tsavo National Park		3° 00' 00" S 38° 40' 00" E	762 m
Tsavo National Park West		2° 55' 00" S 37° 55' 00" E	
(see also: Tsavo West National Park)			
Tsavo West National Park (see Tsavo National Park West)		2° 55' 00" S 37° 55' 00" E	
Tura		0° 32' 00" N 37° 02' 00" E	1793 m
(see also: Turah)			
Turah (see Tura)		0° 32' 00" N 37° 02' 00" E	1793 m
Turkana county (see Turkana district)	ca.	3° 12' 00" N 35° 28' 00" E	
Turkana county			
Turkana district	ca.	3° 12' 00" N 35° 28' 00" E	
(see also: Turkana county)			
Turkana, lake		3° 30' 00" N 36° 00' 00" E	
(see also: Aman, Anam, Bas, Baso, Basso, Basso Narok, Basso Norok, Fuchich, Galanaboi, Galanaboy, Gallop, Gullop, Lake Rudolf, Lake Turkana, Rodolfo, lago, Rudolf Hayk', Rudolf, lake, yeRudolf Bahir)			
Turkana, lake		3° 30' 00" N 36° 00' 00" E	
Turkana, W side lake		3° 30' 00" N 36° 00' 00" E	
(see also: Lake Rudolph, W side, Lake Turkana, W side, Rudolph, W side lake)			
Turkwell			
Turkwell district			
Turkwell Gorge		1° 55' 00" N 35° 20' 00" E	930 m
Turkwell river		1° 55' 00" N 35° 20' 00" E	762 m
Turkwell river, 6 mi [=10 km] S (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river		1° 49' 00" N 35° 18' 00" E	
Uasin Gishu county			
Uasin Gishu district		0° 30' 00" N 35° 20' 00" E	6000 ft
Udongerio (see Ngiro), 10 km E Morr		1° 44' 00" N 36° 09' 00" E	
Ukamba (see Kitui)		1° 22' 00" S 38° 01' 00" E	1151 m
Ukunda		4° 17' 00" S 39° 34' 00" E	8 m
Ukunda, 1 km S, 0.5 km E		4° 17' 00" S 39° 34' 00" E	
Ukunda, 1 km S, 2 km E (see Moana Marine Station)		4° 18' 00" S 39° 35' 00" E	
Ukunda, 2.5 km E		4° 17' 00" S 39° 35' 05" E	
Ukunda, 3 km E		4° 17' 00" S 39° 35' 00" E	
Ukunda, 3.5 km S, 1 km E		4° 19' 00" S 39° 34' 00" E	
Ukunda, cave		4° 17' 34" S 39° 33' 51" E	
Ukwala		0° 11' 36" N 34° 11' 22" E	1219 m

Ulu		1° 49' 00" S 37° 09' 00" E	1588 m
Ulucania hills (see Ulukenia hills), Athi plains	ca.	1° 29' 00" S 37° 03' 00" E	
Ulukenia hills, Athi plains	ca.	1° 29' 00" S 37° 03' 00" E	
(see also: Lukenia hills, Lukenya hills, Ulucania hills)			
Undefined locality (Nandi county)	ca.	0° 10' 00" N 35° 00' 00" E	
Upper Kenya (mission)			
Ushindo (see Ushingo)		2° 46' 00" S 39° 40' 00" E	113 m
Ushingo		2° 46' 00" S 39° 40' 00" E	113 m
(see also: Ushindo)			
Utwani Forest Reserve (see Witu Forest)		2° 21' 34" S 40° 31' 27" E	100 ft
Vasco de Gama Pillar, Malindi		3° 13' 00" S 40° 08' 00" E	
(see also: Vasco de Gama Point)			
Vasco de Gama Point (see Vasco de Gama Pillar), Malindi		3° 13' 00" S 40° 08' 00" E	
Vihiga county			
Vipingo, 25 mi [=40 km] N Mombasa		3° 49' 00" S 39° 48' 00" E	99 m
(see also: Mombasa, 25 mi [=40 km] N, Vipingo cave(s), Vipingoni, Vipingoni cave(s))			
Vipingo, 20 mi [=32 km] N Mobasa		3° 49' 00" S 39° 48' 00" E	99 m
(see also: Mombasa, 20 mi [=32 km] N, Vipingoni)			
Vipingo cave(s) (see Vipingo), 25 mi [=40 km] N Mombasa		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni (see Vipingo), 25 mi [=40 km] N Mombasa		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni (see Vipingo), 20 mi [=32 km] N Mobasa		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni cave(s) (see Vipingo), 25 mi [=40 km] N Mombasa		3° 49' 00" S 39° 48' 00" E	99 m
Voi		3° 23' 00" S 38° 34' 00" E	
Voi, 2 mi [=3.2 km] N		3° 22' 59" S 38° 33' 00" E	564 m
Voi, 30 km E (see Maungu)		3° 33' 00" S 38° 45' 00" E	61 m
Voi, 30 km E (see Wangala)		3° 36' 08" S 38° 49' 52" E	610 m
Voi, 30 km SE	ca.	3° 34' 00" S 38° 46' 00" E	
Voi, 4 mi [=6.4 km] NW (see Irima)		3° 21' 20" S 38° 32' 05" E	564 m
Voi, 40 km SE (see Nyangala Hill)		3° 37' 00" S 38° 44' 00" E	
Voi, 48 km SE (see Maungu Hill)		3° 37' 30" S 38° 37' 30" E	450 m
Waa		4° 10' 12" S 39° 36' 10" E	
Wacoumbas cave			
(see also: Caverne de Wacoumbas)			
Wajir		1° 44' 50" N 40° 03' 26" E	
(see also: El Sadi)			
Wajir county			
Wangala, 38 km E Voi		3° 36' 08" S 38° 49' 52" E	610 m
(see also: Voi, 30 km E, Wangala Station)			
Wangala Station (see Wangala)		3° 36' 08" S 38° 49' 52" E	320 m
Watamu		3° 21' 00" S 40° 01' 00" E	0 m
(see also: Watamu Beach)			
Watamu Beach (see Watamu)		3° 21' 00" S 40° 01' 00" E	0 m
Water treatment site		0° 18' 14" N 36° 55' 31" E	
Wei Wei River, Sigor, NE Cherangani Hills	ca.	1° 30' 00" N 35° 30' 00" E	
Wei Wei River, NE Base	ca.	1° 35' 00" N 35° 31' 00" E	
Weiwei River Bridge, 1.5 km S, 1.5 km E Sigor		1° 29' 00" N 35° 29' 00" E	1030 m
(see also: Sigor, 1.5 km S, 1.5 km E)			
West Lands (see Westlands)		1° 16' 00" S 36° 48' 00" E	1768 m
West Nyanza district	ca.	0° 30' 00" S 34° 30' 00" E	1524 m
West Pokot county			
West Pokot district			
West Pokot Escarpment		1° 28' 00" N 35° 01' 00" E	1219 m
Western (former) province			
Western Slope of Mount Kenya (see Mount Kenya, W side)	ca.	0° 10' 00" S 37° 20' 00" E	
Westlands		1° 16' 00" S 36° 48' 00" E	1768 m
(see also: West Lands)			
Westwood Park Hotel		1° 24' 00" S 36° 38' 00" E	
Winam (see Kisumu)		0° 06' 00" S 34° 45' 00" E	1131 m
Winam Gulf		0° 15' 00" S 34° 35' 00" E	
(see also: Kavirondo Bay, Kavirondo Gulf)			
Witu		2° 23' 26" S 40° 27' 11" E	17 m
Witu Forest		2° 21' 34" S 40° 31' 27" E	100 ft
(see also: Utwani Forest Reserve)			
Wundanyi, 4.25 km N, 1.75 km W (see Ngangao forest)		3° 22' 00" S 38° 20' 00" E	
Wundanyi, 4.5 km N, 1.75 km W (see Ngangas Forest)		3° 22' 00" S 38° 21' 00" E	1798 m
Yala River (1)		0° 04' 00" N 34° 09' 00" E	
Yala river (2)		0° 06' 00" N 34° 32' 00" E	
Yatter		2° 18' 00" S 38° 13' 00" E	
yeRudolf Bahir (see Turkana, lake)		3° 30' 00" N 36° 00' 00" E	

Lesotho:

Abia (see Mateanong)		29° 21' 00" S 29° 13' 00" E	
Basutoland, Berea district?			
Berea district			
Botsoela (mission) (see Kwepe)		29° 51' 00" S 27° 34' 00" E	1847 m
Butha-Buthe district			
Fort Hartley, 10 mi [=16 km] NE (see Quthing, 10 mi [=16 km] NE)		30° 20' 00" S 27° 45' 00" E	
Ha Natla		29° 37' 30" S 28° 07' 30" E	
Hermon		29° 44' 00" S 27° 07' 00" E	1450 m
Kwepe (see Kwepe)		29° 51' 00" S 27° 34' 00" E	1847 m
(see also: Botsoela (mission), Kwepe)			
Leribe district			
Lesotho			
Liqhobong		28° 57' 59" S 28° 35' 16" E	2250 m
Mafeteng district			
Mahlanapeng		29° 37' 30" S 28° 37' 30" E	
Malealea		29° 51' 00" S 27° 34' 00" E	1847 m
Marakabei (see Marakabeis)		29° 32' 00" S 28° 09' 00" E	2040 m
Marakabeis		29° 32' 00" S 28° 09' 00" E	2040 m
(see also: Marakabei, Saint John Baptist)			
Maseru district			
Masiribani (see Mount Moorosi (city))		30° 16' 00" S 27° 52' 00" E	1651 m
Mateanong		29° 21' 00" S 29° 13' 00" E	
(see also: Abia)			
Mateanong, 15 km E (see Nkokomele, near), Nkokomele, near	ca.	29° 21' 00" S 29° 13' 00" E	
Mohale's Hoek district			
Mokhotlong district			
Mooroi (see Mount Moorosi (city))		30° 16' 00" S 27° 52' 00" E	1651 m
Mount Moorosi (city)		30° 16' 00" S 27° 52' 00" E	1651 m
(see also: Masiribani, Mooroi, Mount Moroosi (city), Mount Morosi (city))			
Mount Moroosi (city) (see Mount Moorosi (city))		30° 16' 00" S 27° 52' 00" E	1651 m
Mount Morosi (city) (see Mount Moorosi (city))		30° 16' 00" S 27° 52' 00" E	1651 m
Moyeni, 10 mi [=16 km] NE (see Quthing, 10 mi [=16 km] NE)		30° 20' 00" S 27° 45' 00" E	
Nkokomele, near	ca.	29° 21' 00" S 29° 13' 00" E	
(see also: Mateanong, 15 km E)			
Oxbow, ski lodge		28° 52' 30" S 28° 37' 30" E	
Pelaneng, Lepaqoa		29° 07' 30" S 28° 22' 30" E	
Pelaneng River, along		29° 03' 00" S 28° 28' 00" E	2200 m
Qacha's Nek district			
(see also: Quacha's Neck district |PC:QN|, Quacha's Nek district |PC:QN|)			
QuachPC:QN|)			
QuachPC:QN|)			
Quthing district			
Quthing, 10 mi [=16 km] NE		30° 20' 00" S 27° 45' 00" E	
(see also: Fort Hartley, 10 mi [=16 km] NE, Moyeni, 10 mi [=16 km] NE)			
Saint John Baptist (see Marakabeis)		29° 32' 00" S 28° 09' 00" E	2040 m
Seapa (see White Hill)		30° 03' 00" S 28° 29' 00" E	1641 m
Sehlabathebe National Park, small dam		29° 52' 00" S 29° 05' 00" E	2795 m
Sehonghong, Moqotoane		29° 48' 00" S 28° 49' 00" E	1714 m
Semonkong (mission), Phallang		29° 49' 00" S 28° 06' 00" E	
Seribe			
Teyateyaneng		29° 09' 00" S 27° 44' 00" E	1595 m
Thaba-Tseka district			
White Hill		30° 03' 00" S 28° 29' 00" E	1641 m
(see also: Seapa)			

Liberia:

Ballomah (see Budima)		7° 41' 57" N 9° 39' 03" W	364 m
Baloma (see Budima)		7° 41' 57" N 9° 39' 03" W	364 m
Balomah		7° 41' 57" N 9° 39' 03" W	364 m
Banga (see Gbanka)		7° 16' 40" N 10° 03' 49" W	287 m
Bangah (see Gbanka)		7° 16' 40" N 10° 03' 49" W	287 m
Barclay, mount		4° 48' 00" N 8° 10' 00" W	
Basse-Iti			
Beliyela (see Belle Yella)		7° 22' 35" N 9° 59' 54" W	261 m
Belle Yela (see Belle Yella)		7° 22' 35" N 9° 59' 54" W	261 m

Belle Yella		7° 22' 35" N 9° 59' 54" W	261 m
(see also: Beliyela, Belle Yela, Belleyellah, Belliyela, Belliyella)			
Belleyellah (see Belle Yella)		7° 22' 35" N 9° 59' 54" W	261 m
Belliyela (see Belle Yella)		7° 22' 35" N 9° 59' 54" W	261 m
Belliyella (see Belle Yella)		7° 22' 35" N 9° 59' 54" W	261 m
Bendo (see Nanakru)		4° 49' 50" N 8° 43' 34" W	66 m
Bendu		6° 45' 47" N 11° 12' 48" W	134 m
Bentor		7° 34' 27" N 8° 39' 37" W	
Biabli (see Quiapiple), Kran, west Upper Cess River		6° 36' 12" N 8° 32' 25" W	189 m
Bomi county			
Bomi Hills logging concession (see Bomi Wood Concession)	ca.	6° 53' 00" N 10° 50' 00" W	
Bomi Wood Concession	ca.	6° 53' 00" N 10° 50' 00" W	
(see also: Bomi Hills logging concession, Boni Hills logging concession)			
Bong county			
Boni Hills logging concession (see Bomi Wood Concession)	ca.	6° 53' 00" N 10° 50' 00" W	
Bopolu		7° 04' 00" N 10° 29' 15" W	211 m
(see also: Bopora, Boporo, Bopulu)			
Bopora (see Bopolu)		7° 04' 00" N 10° 29' 15" W	211 m
Boporo (see Bopolu)		7° 04' 00" N 10° 29' 15" W	211 m
Bopulu (see Bopolu)		7° 04' 00" N 10° 29' 15" W	211 m
Borlor river (see Farmington river)		6° 09' 32" N 10° 21' 13" W	
Buchanan (see Upper Buchanan)		5° 54' 40" N 10° 03' 45" W	65 m
Budima		7° 41' 57" N 9° 39' 03" W	364 m
(see also: Ballomah, Baloma, Mbaloma)			
Buluma			
C.L.C. (see Cape Palmas Logging Company)		5° 11' 00" N 7° 58' 00" W	
Camp III		7° 06' 35" N 8° 50' 20" W	
Camp Schieffellin (see Schieffelin), on Junk river		6° 13' 17" N 10° 32' 16" W	94 m
Cape Palmas (see Harper)		4° 22' 30" N 7° 43' 01" W	59 m
Cape Palmas Logging Company		5° 11' 00" N 7° 58' 00" W	
(see also: C.L.C.)			
Cape Palmas, near	ca.	4° 22' 30" N 7° 43' 01" W	
Ceasar's Beach (see Monrovia)		6° 18' 38" N 10° 48' 17" W	0 m
Cess River, W			
Coffee, mount (see Mount Coffee)		6° 29' 19" N 10° 38' 47" W	
Cuttington University College, near Gbarnga		7° 02' 24" N 9° 33' 15" W	
Cuttington University College, about 12 km NW (see Kpatwee Falls)		7° 06' 27" N 9° 38' 30" W	
Degeh (see Degei)		7° 05' 51" N 10° 09' 48" W	203 m
Degei		7° 05' 51" N 10° 09' 48" W	203 m
(see also: Degeh, Degie, Digain, Digei)			
Degie (see Degei)		7° 05' 51" N 10° 09' 48" W	203 m
Diale river (see Farmington river)		6° 09' 32" N 10° 21' 13" W	
Diang river (see Farmington river)		6° 09' 32" N 10° 21' 13" W	
Digain (see Degei)		7° 05' 51" N 10° 09' 48" W	203 m
Digei (see Degei)		7° 05' 51" N 10° 09' 48" W	203 m
Ding River (see Saint Paul River)	ca.	6° 22' 46" N 10° 47' 55" W	
(see also: Tapeta, Tapi Town, Tappi, Tappita, Tappitown)			
Division 24 Camp (see Division Twenty-Four [Labor] Camp)		6° 26' 37" N 10° 21' 58" W	
Division Twenty-Four [Labor] Camp		6° 26' 37" N 10° 21' 58" W	
(see also: Division 24 Camp)			
Du river	ca.	6° 14' 34" N 10° 32' 24" W	
(see also: Due river, Dukwia river, Duquéah river, Lu river)			
Du Side village		6° 20' 57" N 10° 27' 48" W	
(see also: Duside plantation)			
Due river (see Du river)	ca.	6° 14' 34" N 10° 32' 24" W	
Dukwia river (see Du river)	ca.	6° 14' 34" N 10° 32' 24" W	
Duo Town		5° 42' 00" N 8° 06' 00" W	
Duquéah river (see Du river)	ca.	6° 14' 34" N 10° 32' 24" W	
Duside plantation (see Du Side village)		6° 20' 57" N 10° 27' 48" W	
East Grassfield	ca.	7° 29' 20" N 8° 34' 15" W	
Elwa swamp	ca.	6° 14' 00" N 10° 42' 00" W	
Fahpli (see Favee)		7° 13' 50" N 9° 17' 04" W	360 m
Fanti		5° 07' 59" N 8° 57' 50" W	91 m
Fape (see Favee)		7° 13' 50" N 9° 17' 04" W	360 m
Fapé (see Favee)		7° 13' 50" N 9° 17' 04" W	360 m
Fapi (see Favee)		7° 13' 50" N 9° 17' 04" W	360 m

Farmington river (see also: Borlor river, Diale river, Diang river, Nea river)		6° 09' 32" N 10° 21' 13" W	
Favee (see also: Fahpli, Fape, Fapé, Fapi)		7° 13' 50" N 9° 17' 04" W	360 m
Firestone (see also: Firestown, Jida)		5° 56' 00" N 9° 38' 00" W	170 m
Firestone Plantation, near Harbel (see also: Firestone Rubber Plantation)		6° 24' 00" N 10° 22' 00" W	
Firestone Rubber Plantation (see Firestone Plantation), near Harbel		6° 24' 00" N 10° 22' 00" W	
Firestown (see Firestone)		5° 56' 00" N 9° 38' 00" W	170 m
Ganta	ca.	7° 18' 08" N 8° 31' 51" W	
Gbanga (see Gbanka)		7° 16' 40" N 10° 03' 49" W	287 m
Gbangha (see Gbanka)		7° 16' 40" N 10° 03' 49" W	287 m
Gbanka (see also: Banga, Bangah, Gbanga, Gbangha)		7° 16' 40" N 10° 03' 49" W	287 m
Gbapa (see Gbarpa)		7° 29' 03" N 8° 36' 49" W	475 m
Gbarnqay		7° 04' 00" N 10° 29' 00" W	
Gbarpa (see also: Gbapa)		7° 29' 03" N 8° 36' 49" W	475 m
Gbarpolu county			
Gomutown		7° 00' 00" N 11° 00' 00" W	
Gran Bassa (see Upper Buchanan)		5° 54' 40" N 10° 03' 45" W	65 m
Grand Bassa (see Upper Buchanan)		5° 54' 40" N 10° 03' 45" W	65 m
Grand Bassa county			
Grand Cape Mount county			
Grand Gedeh county			
Grand Kru county			
Grand Lapin (?)			
Grassfield (see also: Grassfield forest, Grassfield savanna, Grassfields, Lamco Headquarters Camp, Nimba)		7° 29' 20" N 8° 34' 15" W	530 m
Grassfield forest (see Grassfield)		7° 29' 20" N 8° 34' 15" W	530 m
Grassfield savanna (see Grassfield)		7° 29' 20" N 8° 34' 15" W	530 m
Grassfields (see Grassfield)		7° 29' 20" N 8° 34' 15" W	530 m
Great Nanakru (see Nanakru)		4° 49' 50" N 8° 43' 34" W	66 m
Great Nanna Kru (see Nanakru)		4° 49' 50" N 8° 43' 34" W	66 m
Greenville (see also: Sino, Sinoe, Sinu, Sinu Village)		5° 00' 40" N 9° 02' 20" W	0 m
Gwene Town		6° 44' 00" N 11° 03' 00" W	
Hainda (see Haindi)		6° 53' 28" N 10° 23' 12" W	135 m
Haindi (see also: Hainda, Hende, Hendi)		6° 53' 28" N 10° 23' 12" W	135 m
Harbel		6° 16' 47" N 10° 20' 51" W	95 m
Harper (see also: Cape Palmas)		4° 22' 30" N 7° 43' 01" W	59 m
Hende (see Haindi)		6° 53' 28" N 10° 23' 12" W	135 m
Hendi (see Haindi)		6° 53' 28" N 10° 23' 12" W	135 m
Hilltown		6° 13' 00" N 10° 20' 00" W	
Iti		5° 36' 57" N 9° 19' 25" W	
Iti Riviere			
Jaoudi		6° 06' 47" N 8° 36' 00" W	308 m
Jaoudi, ca 12 mi [=19 km] SSE (see Jarwondee, ca 12 mi [=19 km] SSE), Dugbe river	ca.	5° 57' 39" N 8° 30' 50" W	
Jarwondee		6° 06' 47" N 8° 36' 00" W	308 m
Jarwondee, ca 12 mi [=19 km] SSE, Dugbe river (see also: Jaoudi, ca 12 mi [=19 km] SSE)	ca.	5° 57' 39" N 8° 30' 50" W	
Jaurazon (see Juazohn)		5° 22' 56" N 8° 50' 44" W	134 m
Jaurzon (see Juazohn)		5° 22' 56" N 8° 50' 44" W	134 m
Jawodi		6° 06' 47" N 8° 36' 00" W	308 m
Jida (see Firestone)		5° 56' 00" N 9° 38' 00" W	170 m
John Hegbe farm, ca. 2 mi SW Voinjama, near Zozoma (see also: Voinjama, ca. 2 mi [=3.2 km] SW)		8° 25' 00" N 9° 35' 00" W	500 m
John Town		8° 25' 00" N 9° 45' 00" W	
Juarzon (see Juazohn)		5° 22' 56" N 8° 50' 44" W	134 m
Juazohn (see also: Jaurazon, Jaurzon, Juarzon)		5° 22' 56" N 8° 50' 44" W	134 m
Kassata			
Kluga		8° 27' 01" N 9° 43' 19" W	568 m
Kluga mountains		8° 25' 00" N 9° 45' 00" W	
Kpandemai Mountains (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Kpatwee Falls, about 12 km NW Cuttington Univeristy College (see also: Cuttington University College, about 12 km NW)		7° 06' 27" N 9° 38' 30" W	

Kpawalazu (see Kpawolozu)		7° 36' 56" N 9° 45' 52" W	453 m
Kpawolozu		7° 36' 56" N 9° 45' 52" W	453 m
(see also: Kpawalazu, Kpawuluzu, Movodo, Pawalozo)			
Kpawuluzu (see Kpawolozu)		7° 36' 56" N 9° 45' 52" W	453 m
Kpeaplay (see Quiapiple), Kran, west Upper Cess River		6° 36' 12" N 8° 32' 25" W	189 m
Kpeaple (see Quiapiple), Kran, west Upper Cess River		6° 36' 12" N 8° 32' 25" W	189 m
L.T.C. (see Liberian Timber Company)		6° 16' 00" N 8° 40' 00" W	
Lamco (see New Yekepa)		7° 34' 46" N 8° 32' 16" W	584 m
Lamco Community (see New Yekepa)		7° 34' 46" N 8° 32' 16" W	584 m
Lamco Headquarters Camp (see Grassfield)		7° 29' 20" N 8° 34' 15" W	530 m
Langatown (see Lengatown)		6° 18' 00" N 10° 23' 00" W	
Lengatown		6° 18' 00" N 10° 23' 00" W	
(see also: Langatown)			
Liberia			
Liberian Timber Company		6° 16' 00" N 8° 40' 00" W	
(see also: L.T.C.)			
Lofa county			
Lu river (see Du river)	ca.	6° 14' 34" N 10° 32' 24" W	
Manimba, mount (see Nimba, mount)		7° 33' 47" N 8° 27' 54" W	
Mano river		7° 30' 00" N 10° 57' 00" W	
(see also: Mono)			
Margibi county			
Marshall Territory		6° 15' 00" N 10° 30' 00" W	
Maryland county			
Mbaloma (see Budima)		7° 41' 57" N 9° 39' 03" W	364 m
Miamu			
Mono (see Mano river)		7° 30' 00" N 10° 57' 00" W	
Monrovia			
Monrovia		6° 18' 38" N 10° 48' 17" W	0 m
(see also: Ceasar's Beach)			
Montserrado county			
Mount Coffee		6° 29' 19" N 10° 38' 47" W	
(see also: Coffee, mount)			
Mount Nimba (see Nimba, mount)	ca.	7° 30' 00" N 8° 30' 00" W	
Mount Nimba East (see Maadi, 8 mi [=12.8 km] from)	ca.	7° 30' 00" N 8° 28' 00" W	
Mount Nimba West (see Nimba West)	ca.	7° 29' 00" N 8° 33' 00" W	
Mount Richard Molard, S (see Richard-Molard, S side mount)	ca.	7° 33' 47" N 8° 27' 54" W	
Movodo (see Kpawolozu)		7° 36' 56" N 9° 45' 52" W	453 m
Muhlenberg Mission	ca.	6° 30' 00" N 10° 39' 00" W	
(see also: Mühlenberg's Mission)			
Mühlenberg's Mission (see Muhlenberg Mission)	ca.	6° 30' 00" N 10° 39' 00" W	
Nanakru		4° 49' 50" N 8° 43' 34" W	66 m
(see also: Bendo, Great Nanakru, Great Nanna Kru, Nankano, Nanna Kru)			
Nanimba , mount (see Nimba, mount)		7° 33' 47" N 8° 27' 54" W	
Nankano (see Nanakru)		4° 49' 50" N 8° 43' 34" W	66 m
Nanna Kru (see Nanakru)		4° 49' 50" N 8° 43' 34" W	66 m
Nea river (see Farmington river)		6° 09' 32" N 10° 21' 13" W	
New Camp Forest		7° 28' 52" N 8° 34' 33" W	483 m
New Yekepa		7° 34' 46" N 8° 32' 16" W	584 m
(see also: Lamco, Lamco Community, Yekepa)			
Ngilima, Wologizi Mountain Range		8° 05' 12" N 10° 07' 36" W	433 m
Nimba (see Grassfield)		7° 29' 20" N 8° 34' 15" W	530 m
Nimba county			
Nimba East	ca.	7° 30' 00" N 8° 28' 00" W	
Nimba West	ca.	7° 29' 00" N 8° 33' 00" W	
(see also: Mount Nimba West)			
Nimba, mount	ca.	7° 30' 00" N 8° 30' 00" W	
(see also: Manimba, mount, Mount Nimba, Nanimba , mount)			
North Beeton	ca.	7° 39' 00" N 8° 38' 00" W	
Old Mine Road	ca.	7° 33' 11" N 8° 32' 28" W	
Paiata (see Piata)		7° 12' 00" N 9° 48' 00" W	221 m
Paul Town		7° 00' 00" N 9° 40' 00" W	
Pawalozo (see Kpawolozu)		7° 36' 56" N 9° 45' 52" W	453 m
Paynesville		6° 16' 32" N 10° 43' 04" W	24 m
(see also: Paynsville)			
Paynsville (see Paynesville)		6° 16' 32" N 10° 43' 04" W	24 m
Peahtah (see Piata)		7° 12' 00" N 9° 48' 00" W	221 m
Piata		7° 12' 00" N 9° 48' 00" W	221 m
(see also: Paiata, Peahtah, Piatah)			
Piatah (see Piata)		7° 12' 00" N 9° 48' 00" W	221 m
Port Robert (see Robertsport)		6° 45' 19" N 11° 22' 07" W	158 m

Quiapiple, Kran, west Upper Cess River (see also: Biabli, Kpeaplay, Kpeaple)		6° 36' 12" N 8° 32' 25" W	189 m
Repota (see Wreputa)		6° 46' 00" N 10° 03' 00" W	144 m
Reppo Town (see Wreputa)		6° 46' 00" N 10° 03' 00" W	144 m
Reppo's Town (see Wreputa)		6° 46' 00" N 10° 03' 00" W	144 m
Reputa (see Wreputa)		6° 46' 00" N 10° 03' 00" W	144 m
Richard-Molard, S side mount (see also: Mount Richard Molard, S)	ca.	7° 33' 47" N 8° 27' 54" W	
River Gee county			
Rivercess county			
Robert Port (see Robertsport)		6° 45' 19" N 11° 22' 07" W	158 m
Roberts International Airport, near Harbel (see also: Robertsfield Airport)		6° 14' 02" N 10° 21' 44" W	
Robertsfield Airport (see Roberts International Airport), Monrovia		6° 14' 02" N 10° 21' 44" W	
Robertson (see Robertsport)		6° 45' 19" N 11° 22' 07" W	158 m
Robertsport (see also: Port Robert, Robert Port, Robertson, Robertstown)		6° 45' 19" N 11° 22' 07" W	158 m
Robertstown (see Robertsport)		6° 45' 19" N 11° 22' 07" W	158 m
Saint Paul River (see also: Ding River, St. Paul's River)	ca.	6° 22' 46" N 10° 47' 55" W	
Sanaquelli (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sangbui (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Saniquellie (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanniguellie (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanniquellie (see also: Sanaquelli, Sangbui, Saniquellie, Sanniguellie, Sanokole, Sanokwele, Sanokwelle, Sanoquelli, Sanquilly, Senbui)		7° 21' 44" N 8° 42' 22" W	671 m
Sanniquellie, 5 mi [=8 km] S	ca.	7° 24' 00" N 8° 45' 00" W	
Sanokole (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanokwele (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanokwelle (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanoquelli (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sanquilly (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Schieffelin, on Junk river (see also: Camp Schieffellin, Schieffelinsville, Schieffellin)		6° 13' 17" N 10° 32' 16" W	94 m
Schieffelinsville (see Schieffelin), on Junk river		6° 13' 17" N 10° 32' 16" W	94 m
Schieffellin (see Schieffelin), on Junk river		6° 13' 17" N 10° 32' 16" W	94 m
Senbui (see Sanniquellie)		7° 21' 44" N 8° 42' 22" W	671 m
Sino (see Greenville)		5° 00' 40" N 9° 02' 20" W	0 m
Sinoe (see Greenville)		5° 00' 40" N 9° 02' 20" W	0 m
Sinoe county		5° 02' 00" N 8° 04' 00" W	
Sinu (see Greenville)		5° 00' 40" N 9° 02' 20" W	0 m
Sinu Village (see Greenville)		5° 00' 40" N 9° 02' 20" W	0 m
South Nimba	ca.	7° 26' 00" N 8° 34' 00" W	
St. Paul's River (see Saint Paul River)	ca.	6° 22' 46" N 10° 47' 55" W	
Suehn		6° 37' 02" N 10° 42' 24" W	101 m
Sweaken (see also: Yega Town)		5° 23' 04" N 7° 57' 07" W	303 m
Tapeta (see Ding River)		6° 29' 32" N 8° 51' 37" W	275 m
Tapi Town (see Ding River)		6° 29' 32" N 8° 51' 37" W	275 m
Tapita		6° 29' 32" N 8° 51' 37" W	275 m
Tappi (see Ding River)		6° 29' 32" N 8° 51' 37" W	275 m
Tappita (see Ding River)		6° 29' 32" N 8° 51' 37" W	275 m
Tappitown (see Ding River)		6° 29' 32" N 8° 51' 37" W	275 m
Tars Town, 25 km N Zwedru (see also: Zwedru, 25 km N)		6° 13' 00" N 8° 08' 00" W	
Tchien (see Zwedru)		6° 04' 00" N 8° 07' 41" W	274 m
Tchien, 25 km N (see Zwerdu, 25 km N)	ca.	6° 05' 00" N 8° 07' 00" W	
Tchien, 7 km N (see Zwerdu, 7 km N)	ca.	6° 05' 00" N 8° 07' 00" W	
Teaye (see Tiayie)		7° 03' 00" N 9° 04' 00" W	303 m
Teayee (see Tiayie)		7° 03' 00" N 9° 04' 00" W	303 m
Teayi (see Tiayie)		7° 03' 00" N 9° 04' 00" W	303 m
Tiayi (see Tiayie)		7° 03' 00" N 9° 04' 00" W	303 m
Tiayie (see also: Teaye, Teayee, Teayi, Tiayi)		7° 03' 00" N 9° 04' 00" W	303 m
Tokade, mount (see also: Tokadeh, mount, Tokaden, mount)		7° 27' 01" N 8° 40' 17" W	
Tokadeh, mount (see Tokade, mount)		7° 27' 01" N 8° 40' 17" W	
Tokaden, mount (see Tokade, mount)		7° 27' 01" N 8° 40' 17" W	
Upper Buchanan (see also: Buchanan, Gran Bassa, Grand Bassa)		5° 54' 40" N 10° 03' 45" W	65 m
Voinjama, 2 mi [=3.2 km] SW (see Zozoma)		8° 25' 00" N 9° 47' 00" W	

Voinjama, ca. 2 mi [=3.2 km] SW (see John Hegbe farm), near Zozoma		8° 25' 00" N 9° 35' 00" W	500 m
Walo Mountains (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Waulo Mountains (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
West Nimba			
Wologisi Range (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologisi Wutuvi (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologizi mountain range (see also: Kpandemai Mountains, Walo Mountains, Waulo Mountains, Wologisi Range, Wologisi Wutuvi, Wologizi Range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologizi Range (see Wologizi mountain range)	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wreppoosta			
Wreputa (see also: Repota, Reppo Town, Reppo's Town, Reputa)		6° 46' 00" N 10° 03' 00" W	144 m
Yega Town (see Sweaken)		5° 23' 04" N 7° 57' 07" W	303 m
Yekepa (see New Yekepa)		7° 34' 46" N 8° 32' 16" W	584 m
Yekepa, near	ca.	7° 34' 46" N 8° 32' 16" W	
Yiti river		7° 29' 00" N 8° 35' 00" W	
Zamah (see Zomai)		7° 36' 56" N 9° 37' 53" W	303 m
Ziggida (see Zigida), 25 mi [=40 km] N Zorzor		8° 02' 12" N 9° 29' 23" W	
Ziggida, 1 km N, 3 km E (see Zigida, 1 km N, 3 km E)	ca.	8° 02' 12" N 9° 29' 23" W	
Ziggida, 10.5 km N, 1 km E (see Zigida, 10.5 km N, 1 km E)	ca.	8° 07' 51" N 9° 28' 54" W	450 m
Ziggida, 11 km N, 2 km E (see Zigida, 11 km N, 2 km E), Gabagea River	ca.	8° 08' 08" N 9° 28' 20" W	
Ziggida, 13 km N, 1 km E (see Zigida, 13 km N, 1 km E)	ca.	8° 09' 10" N 9° 28' 52" W	759 m
Ziggida, 7 km N, 2 km E (see Zigida, 7 km N, 2 km E)	ca.	8° 02' 12" N 9° 29' 23" W	
Ziggida, 7 mi [=11 km] N, 1 mi [=1.6 km] E (see Zigida, 7 mi [=11 km] N, 1 mi [=1.6 km] E)	ca.	8° 02' 12" N 9° 29' 23" W	
Zigida, 25 mi [=40 km] N Zorzor (see also: Ziggida, Zigida Village, Zorzor, 25 mi [=40 km] N)		8° 02' 12" N 9° 29' 23" W	
Zigida Village (see Zigida), 25 mi [=40 km] N Zorzor		8° 02' 12" N 9° 29' 23" W	
Zigida, 1 km N, 3 km E (see also: Ziggida, 1 km N, 3 km E)	ca.	8° 02' 12" N 9° 29' 23" W	
Zigida, 10.5 km N, 1 km E (see also: Ziggida, 10.5 km N, 1 km E)	ca.	8° 07' 51" N 9° 28' 54" W	450 m
Zigida, 11 km N, 2 km E, Gabagea River (see also: Ziggida, 11 km N, 2 km E)	ca.	8° 08' 08" N 9° 28' 20" W	
Zigida, 13 km N, 1 km E (see also: Ziggida, 13 km N, 1 km E)	ca.	8° 09' 10" N 9° 28' 52" W	759 m
Zigida, 7 km N, 2 km E (see also: Ziggida, 7 km N, 2 km E)	ca.	8° 02' 12" N 9° 29' 23" W	
Zigida, 7 mi [=11 km] N, 1 mi [=1.6 km] E (see also: Ziggida, 7 mi [=11 km] N, 1 mi [=1.6 km] E)	ca.	8° 02' 12" N 9° 29' 23" W	
Zomah (see Zomai)		7° 36' 56" N 9° 37' 53" W	303 m
Zomai (see also: Zamah, Zomah, Zormai, Zuormai)		7° 36' 56" N 9° 37' 53" W	303 m
Zormai (see Zomai)		7° 36' 56" N 9° 37' 53" W	303 m
Zorzor		7° 46' 46" N 9° 25' 49" W	516 m
Zorzor, 25 mi [=40 km] N (see Zigida)		8° 02' 12" N 9° 29' 23" W	
Zozoma, 2 mi [=3.2 km] SW Voinjama. (see also: Voinjama, 2 mi [=3.2 km] SW, Zuzoma)		8° 25' 00" N 9° 47' 00" W	
Zuormai (see Zomai)		7° 36' 56" N 9° 37' 53" W	303 m
Zuzoma (see Zozoma), 2 mi [=3.2 km] SW Voinjama.		8° 25' 00" N 9° 47' 00" W	
Zwadhru (see Zwedru)		6° 04' 00" N 8° 07' 41" W	274 m
Zwadhru, 25 km N (see Zwerdu, 25 km N)	ca.	6° 05' 00" N 8° 07' 00" W	
Zwadhru, 7 km N (see Zwerdu, 7 km N)	ca.	6° 05' 00" N 8° 07' 00" W	
Zwedru (see also: Tchien, Zwadhru)		6° 04' 00" N 8° 07' 41" W	274 m
Zwedru, 25 km N (see Tars Town)		6° 13' 00" N 8° 08' 00" W	
Zwerdu, 25 km N (see also: Tchien, 25 km N, Zwadhru, 25 km N)	ca.	6° 05' 00" N 8° 07' 00" W	
Zwerdu, 7 km N (see also: Tchien, 7 km N, Zwadhru, 7 km N)	ca.	6° 05' 00" N 8° 07' 00" W	

Libya:

‘Ayn az Zarqa’ (see also: Ain Az Zarqa, Ain Zérga)		31° 55' 27" N 12° 00' 52" E	
Aea (see Tarabulus)		32° 53' 33" N 13° 10' 48" E	6 m

Ain Az Zarqa (see ‘Ayn az Zarqa’)	31° 55' 27" N 12° 00' 52" E	
Ain Zérga (see ‘Ayn az Zarqa’)	31° 55' 27" N 12° 00' 52" E	
Ajdabiya municipality		
Al ‘Aquriyah (see Tukrah)	32° 31' 54" N 20° 34' 22" E	22 m
Al Abyar	32° 11' 25" N 20° 35' 45" E	274 m
(see also: Al Abyar, Alabia, El Abiar, Madirat al Abyar)		
Al Abyar (see Al Abyar)	32° 11' 25" N 20° 35' 45" E	274 m
Al Bardi (see Al Burdi)	31° 45' 00" N 25° 05' 00" E	
Al Bayda'	32° 45' 59" N 21° 44' 30" E	623 m
(see also: Al Bay?a', Al-Baida, Az Zawiyah al Bay?a', Baida, Balagrae, Balis, Bayda, Beda, Beida, El Beida, White Monastery, Zauia el Beda, Zawiat al-Baida, Zawiyat al Bay?a', Zawiyat el-Be?a')		
Al Bay?a' (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Al Bayda, 5 km SW (see Kuf National Park)	32° 18' 00" N 20° 25' 00" E	
Al Burdi	31° 45' 00" N 25° 05' 00" E	
(see also: Al Bardi)		
Al Butnan district		
(see also: Butnan district |PC:BN|)		
Al Fjayj (see Al Fujayj)	26° 32' 32" N 13° 18' 39" E	597 m
Al Fujayj	26° 32' 32" N 13° 18' 39" E	597 m
(see also: Al Fjayj, El-Fgeg)		
Al Hizam Al-Akhdar municipality		
Al JaPC:JK|)		
Al Jabal al Gharbi district		
(see also: Jabal al Gharbi district |PC:JG|)		
Al Jaghbub	29° 44' 33" N 24° 31' 04" E	0 m
(see also: El-Giagbúb, Giarabub, Jaghbub)		
Al Jifarah district		
(see also: Jafara district |PC:JR|)		
Al Jufrah district		
(see also: Jufra district |PC:JF|)		
Al Kufrah district		
(see also: Kufra district |PC:KU|)		
Al Marj district		
(see also: Marj district |PC:MA|)		
Al Marqab district		
(see also: Murqub district |PC:MR|)		
Al Qubbah municipality		
Al Wahat district		
Alabia (see Al Abyar)	32° 11' 25" N 20° 35' 45" E	274 m
Al-Baida (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Al-Jabal Al-Akhdar district		
(see also: Al Jabal Al Akhdar district |PC:JK|, Jabal al Akhdar district |PC:JK|)		
An Nugat al Khams district		
(see also: Nugat al Khams district |PC:NK|)		
Ar Sharsharah (see Wadi ash Sharsharah)	32° 32' 00" N 13° 34' 00" E	
Az Zawiyah al Bay?a' (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Az Zawiyah district		
(see also: Zawiya district |PC:ZA|)		
Ba?r at Tubat	29° 36' 28" N 24° 52' 46" E	
(see also: Bahr el Tûbat (intermittent lake), Birket Qaseibaîya , El Qaseibaiya)		
Bahr el Tûbat (intermittent lake) (see Ba?r at Tubat)	29° 36' 28" N 24° 52' 46" E	
Baida (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Baida, 4 km S	32° 44' 00" N 21° 43' 00" E	
Balagrae (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Balis (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Banghazi	32° 07' 00" N 20° 04' 00" E	0 m
(see also: Bengasi, Bengazi, Benghasi, Benghazi, Berenice, Binghazi, Hesperides)		
Bani Walid municipality		
Bayda (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Beda (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Beida (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
Bengasi (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Bengazi (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Benghasi (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Benghazi (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Benghazi district		
Berenice (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Binghazi (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m

Birak (see also: Brach, Brak)	27° 32' 00" N 14° 17' 00" E	343 m
Birket Qaseibaîya (see Ba?r at Tubat)	29° 36' 28" N 24° 52' 46" E	
Brach (see Birak)	27° 32' 00" N 14° 17' 00" E	343 m
Brak (see Birak)	27° 32' 00" N 14° 17' 00" E	343 m
ButnaPC:BN|)		
Carcura (see Kurkurah)	31° 25' 35" N 20° 01' 40" E	18 m
Cuf National Park (see Kuf National Park)	32° 18' 00" N 20° 25' 00" E	
Cuf, Uádi el (see Wadi al Kuf)	32° 42' 00" N 21° 35' 00" E	330 m
Cyrenaica		
Darnah district (see also: Derna district |PC:DA|)		
Darnah, 6 km S (see Wadi Darnah)	32° 42' 06" N 22° 36' 40" E	
DernaPC:DA|)		
Drepanun (see Kurkurah)	31° 25' 35" N 20° 01' 40" E	18 m
Ea (see Tarabulus)	32° 53' 33" N 13° 10' 48" E	6 m
El Abiar (see Al Abyar)	32° 11' 25" N 20° 35' 45" E	274 m
El Beida (see Al Bayda')	32° 45' 59" N 21° 44' 30" E	623 m
El Qaseibaiya (see Ba?r at Tubat)	29° 36' 28" N 24° 52' 46" E	
El-Fgeg (see Al Fujayj)	26° 32' 32" N 13° 18' 39" E	597 m
El-Giagbúb (see Al Jaghbub)	29° 44' 33" N 24° 31' 04" E	0 m
Fazzan (see Fezzan)	16° 00' 00" N 14° 00' 00" E	
Fezzan (see also: Fazzan, Phazania, Wilayat Fazzan)	16° 00' 00" N 14° 00' 00" E	
Gabrun, Lake (see also: Kabr Aun, lake, Lake Gabrun, Lake Kabr aun)	26° 48' 11" N 13° 32' 07" E	
Gasr Béni Gdem (see Qasr al Maqdam)	32° 38' 00" N 21° 36' 00" E	
Gasr esc-Sciandèn (see Qasr ash Shahdayn)	32° 37' 00" N 21° 35' 00" E	
Germa (see Jarmah)	26° 31' 46" N 13° 04' 23" E	601 m
Ghadamis municipality		
Gharyan municipality		
Ghat district		
Giarabub (see Al Jaghbub)	29° 44' 33" N 24° 31' 04" E	0 m
Haniya, 8 km SSE	32° 46' 00" N 21° 27' 00" E	
Hesperides (see Banghazi)	32° 07' 00" N 20° 04' 00" E	0 m
Jabal Akhdar Mountains (see Wadi al Kuf), 8 km SW Massah	32° 42' 00" N 21° 35' 00" E	330 m
JabalPC:JK|)		
JabalPC:JG|)		
JafarPC:JR|)		
Jaghbub (see Al Jaghbub)	29° 44' 33" N 24° 31' 04" E	0 m
Jarmah (see also: Germa)	26° 31' 46" N 13° 04' 23" E	601 m
JufraPC:JF|)		
Kabr Aun, lake (see Gabrun, Lake)	26° 48' 11" N 13° 32' 07" E	
Karkurah (see Kurkurah)	31° 25' 35" N 20° 01' 40" E	18 m
Karkurah (see Kurkurah)	31° 25' 35" N 20° 01' 40" E	18 m
Kouf National Park (see Kuf National Park)	32° 18' 00" N 20° 25' 00" E	
Kouf Park lodge, 3 km S (see Kuf National Park lodge, 3 km S)	32° 41' 00" N 21° 34' 00" E	
Kuf National Park, 5 km SW Al Bayda (see also: Al Bayda, 5 km SW, Cuf National Park, Kouf National Park)	32° 18' 00" N 20° 25' 00" E	
Kuf National Park lodge, 3 km S (see also: Kouf Park lodge, 3 km S)	32° 41' 00" N 21° 34' 00" E	
Kuf, Wadi al (see Wadi al Kuf)	32° 42' 00" N 21° 35' 00" E	330 m
Kufanta, Roman aquaduct	32° 46' 00" N 21° 34' 00" E	
KufraPC:KU|)		
Kurkurah (see also: Carcura, Drepanun, Karkurah, Karkurah)	31° 25' 35" N 20° 01' 40" E	18 m
Labdah (see Leptis Magna)	32° 37' 49" N 14° 18' 43" E	
Labraq, 5 km SW	32° 45' 00" N 21° 58' 00" E	
Lake Gabrun (see Gabrun, Lake)	26° 48' 11" N 13° 32' 07" E	
Lake Kabr aun (see Gabrun, Lake)	26° 48' 11" N 13° 32' 07" E	
Lébda (see Leptis Magna)	32° 37' 49" N 14° 18' 43" E	
Leptis Magna (see also: Labdah, Lébda)	32° 37' 49" N 14° 18' 43" E	
Libya		
Luigi Razza (see Massah)	32° 45' 07" N 21° 37' 36" E	482 m
Madinat Sabratah (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Madinat Sabratah (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Madirat al Abyar (see Al Abyar)	32° 11' 25" N 20° 35' 45" E	274 m
MarjPC:MA|)		
Marzuq	25° 54' 16" N 13° 53' 50" E	501 m

Massah (see also: Luigi Razza, Méssa, Razza)	32° 45' 07" N 21° 37' 36" E	482 m
Massah, 8 km SW (see Wadi al Kuf)	32° 42' 00" N 21° 35' 00" E	330 m
Méssa (see Massah)	32° 45' 07" N 21° 37' 36" E	482 m
MisratPC:MS|)		
Misratah district (see also: Misrata district |PC: MS|)		
Mizdah municipality		
Mourzouk	25° 54' 16" N 13° 53' 50" E	501 m
MurquPC:MR|)		
Murzuch	25° 54' 16" N 13° 53' 50" E	501 m
Murzuk	25° 54' 16" N 13° 53' 50" E	501 m
Murzuq	25° 54' 16" N 13° 53' 50" E	501 m
Murzuq district		
Nalut district		
Nana Tala	31° 55' 15" N 11° 53' 07" E	
Nanatala	31° 55' 15" N 11° 53' 07" E	
Nanatalah		
NugatPC:NK|)		
Oea (see Tarabulus)	32° 53' 33" N 13° 10' 48" E	6 m
Phazania (see Fezzan)	16° 00' 00" N 14° 00' 00" E	
Qasr al Maqdam (see also: Gasr Béni Gdem, Qasr Bani Qadam, Qasr Maqdam)	32° 38' 00" N 21° 36' 00" E	
Qasr ash Shahdayn (see also: Gasr esc-Sciandèn)	32° 37' 00" N 21° 35' 00" E	
Qasr Bani Qadam (see Qasr al Maqdam)	32° 38' 00" N 21° 36' 00" E	
Qasr Maqdam (see Qasr al Maqdam)	32° 38' 00" N 21° 36' 00" E	
Quasr Shadane	32° 36' 00" N 21° 34' 00" E	
Razza (see Massah)	32° 45' 07" N 21° 37' 36" E	482 m
Sabha district		
Sábra (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sábra (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabrah (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabrah (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabrah (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabratah (see also: Madinat Sabratah, Sábra, Sabrah, Sabrah, Sabratha)	32° 47' 31" N 12° 29' 05" E	6 m
Sabratah (see also: Madinat Sabratah, Sábra, Sabrah, Sabratha)	32° 47' 31" N 12° 29' 05" E	6 m
Sabratha (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabratha (see Sabratah)	32° 47' 31" N 12° 29' 05" E	6 m
Sabratha Surman municipality		
Sidi Mohammad Al Mablehut (see Sidi Mu?ammad al Mabkhut)	32° 27' 58" N 21° 00' 08" E	
Sidi Mu?ammad al Mabkhut (see also: Sidi Mohammad Al Mablehut)	32° 27' 58" N 21° 00' 08" E	
SirtePC:ST|)		
Surt district (see also: Sirte district |PC:ST|)		
Tajura' Wa An Nawahi Al Arba' municipality		
Taràbles (see Tarabulus)	32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus (see also: Aea, Ea, Oea, Taràbles, Tarabulus al Gharb, Tarabulus el Gharb, Tripoli)	32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus al Gharb (see Tarabulus)	32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus el Gharb (see Tarabulus)	32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus municipality		
Tarhuna-Masallatah municipality		
Taukra (see Tukrah)	32° 31' 54" N 20° 34' 22" E	22 m
Teuchira (see Tukrah)	32° 31' 54" N 20° 34' 22" E	22 m
Tocra (see Tukrah)	32° 31' 54" N 20° 34' 22" E	22 m
Tokrah (see Tukrah)	32° 31' 54" N 20° 34' 22" E	22 m
Tripoli (see Tarabulus)	32° 53' 33" N 13° 10' 48" E	6 m
Tripoli district		
Tukrah (see also: Al ‘Aquriyah, Taukra, Teuchira, Tocra, Tokrah, Tukrah)	32° 31' 54" N 20° 34' 22" E	22 m
Tukrah (see Tukrah)	32° 31' 54" N 20° 34' 22" E	22 m
Uádi el Cuf (see Wadi al Kuf)	32° 42' 00" N 21° 35' 00" E	330 m
Uàdi el Manscia (see Wadi al Manshiyah)	32° 54' 00" N 22° 03' 00" E	
WadiPC:WH|)		
Wadi Al Hayat district (see also: Wadi al Hayaa district |PC:WH|)		

Wadi al Kuf, 8 km SW Massah (see also: Cuf, Uádi el, Jabal Akhdar Mountains, Kuf, Wadi al, Massah, 8 km SW, Uádi el Cuf, Wadi Kuf)		32° 42' 36" N 21° 35' 47" E	330 m
Wadi al Manshiyah (see also: Uàdi el Manscia , Wadi al Minshiyah)		32° 54' 00" N 22° 03' 00" E	
Wadi al Minshiyah (see Wadi al Manshiyah)		32° 54' 00" N 22° 03' 00" E	
WadiPC:WS|)			
Wadi ash Sharsharah (see also: Ar Sharsharah)		32° 32' 00" N 13° 34' 00" E	
Wadi Ash Shati' district (see also: Wadi al Shatii district |PC:WS|)			
Wadi Darnah, 6 km S of Darnah (see also: Darnah, 6 km S)		32° 42' 06" N 22° 36' 40" E	
Wadi Darnah, cave at, 10 km S Darnah		32° 41' 00" N 22° 36' 00" E	
Wadi Jarjaroma			
Wadi Kuf (see Wadi al Kuf)			
White Monastery (see Al Bayda')		32° 45' 59" N 21° 44' 30" E	623 m
Wilayat Fazzan (see Fezzan)		16° 00' 00" N 14° 00' 00" E	
Yafran-Jadu municipality			
Zauia el Beda (see Al Bayda')		32° 45' 59" N 21° 44' 30" E	623 m
Zawiat al-Baida (see Al Bayda')		32° 45' 59" N 21° 44' 30" E	623 m
ZawiyPC:ZA|)			
Zawiyat al Bay?a' (see Al Bayda')		32° 45' 59" N 21° 44' 30" E	623 m
Zawiyat el-Be?a' (see Al Bayda')		32° 45' 59" N 21° 44' 30" E	623 m

Madagascar:

"probably cate est"			
Alaotra, lake, near (see Farihy Alaotra (lake), near)	ca.	17° 27' 55" S 48° 31' 30" E	
Ambadiramique			
Ambahibe cave, 2 km W Mahamasina (see also: Grotte d'Ambahibe, Mahamasina, 2 km W)		12° 58' 04" S 49° 07' 14" E	80 m
Ambalanjanakomby, 25 km SW (see also: Ambalantanakomby, 25 km SW)	ca.	16° 47' 01" S 46° 56' 40" E	
Ambalantanakomby, 25 km SW (see Ambalanjanakomby, 25 km SW)	ca.	16° 47' 01" S 46° 56' 40" E	
Ambalavao			
Ambalavao, 43 km S (see Andringitra National Park)		22° 09' 24" S 46° 52' 32" E	
Amballiala			
Ambanilia cave (see Grotte d'Ambanilia)		23° 32' 24" S 43° 46' 01" E	
Ambanizana (see also: Benjana)		15° 37' 00" S 49° 58' 00" E	255 m
Ambanja		13° 41' 00" S 48° 27' 00" E	148 m
Ambanja, 6 km SE	ca.	13° 41' 00" S 48° 27' 00" E	
Ambatobe, W slope mount, 1.2 km ENE Ampatramary, 9.5 km NE Midongy su Sud (see also: Ampatramary, 1.2 km ENE and Midongy su Sud, 9.5 km NE)		23° 30' 01" S 47° 03' 00" E	650 m
Ambatofinandra		20° 34' 19" S 46° 48' 32" E	
Ambatofinandrahana, 3 km S (see also: unnamed cave)		20° 34' 20" S 46° 48' 32" E	1450 m
Ambatoharanana cave (see also: Amboandriky, 2.2 km ESE, Crocodile cave, Grotte d'Ambatoharanana)		12° 59' 18" S 49° 01' 18" E	20 m
Ambatolampy			
Ambatondrazaka (see also: Ambatonoradrazaka)		17° 50' 00" S 48° 25' 00" E	847 m
Ambatondrazaka prefecture			
Ambatonntaniba, on the Tanandra River, near Tamatave			
Ambatonoradrazaka (see Ambatondrazaka)		17° 50' 00" S 48° 25' 00" E	847 m
Ambavafatra		22° 08' 58" S 47° 01' 25" E	1300 m
Ambery, 5.5 km SE (see Andavadrano)		12° 50' 38" S 49° 20' 54" E	330 m
Ambila-Lemaitso		18° 50' 00" S 49° 09' 00" E	9 m
Ambinanylalangy, Vatovavy-Fitovinany region, 6.98 km NE Kianjavato (see also: Ambinany-Lalangy, Kianjavato, 6.98 km NE)		21° 20' 33" S 47° 55' 15" E	
Ambinany-Lalangy (see Ambinanylalangy)		21° 20' 33" S 47° 55' 15" E	
Ambinda		18° 01' 41" S 44° 29' 45" E	223 m
Amboandriky, 2.2 km ESE (see Ambatoharanana cave)		12° 59' 18" S 49° 01' 18" E	20 m
Amboasari, 15 km SW Vinanitelo (see also: Amboasary (2))		21° 26' 00" S 47° 37' 00" E	492 m
Amboasary (1), Anjozorobe		18° 24' 18" S 47° 56' 42" E	

Amboasary (2) (see Amboasari), 15 km SW Vinanitelo		21° 26' 00" S 47° 37' 00" E	492 m
Amboasary, 12 km ENE and Ranopiso, 20 km WNW (see Itaranta River, near)		25° 05' 00" S 46° 28' 00" E	40 m
Amboasary, 24 km (by road) NNE		24° 52' 00" S 46° 27' 00" E	80 m
Amboasary, ca 20 km (by road) NNE		24° 52' 00" S 46° 27' 00" E	
Amboasoary			
Ambodi Mangy (see also: Maroantsetra, 20 km SW)		15° 34' 00" S 49° 36' 00" E	
Ambodiamontana, ca 7 km (by road) W Ranomafana (see also: Ranomafana, ca 7 km (by road) W)		21° 16' 01" S 47° 25' 59" E	950 m
Ambodiriana, 20 km SW Perinet (see also: Périnet, 20 km SW)		19° 01' 00" S 48° 21' 00" E	
Ambohi (see Ambohimitombo)		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohibeloma, 3.2 km W Anjozorobe (see also: Anjozorobe, 3.2 km W)		18° 24' 32" S 47° 51' 06" E	
Ambohijoky, 17 km S Tananarive, Palace-Castle Rock (see also: Antananarivo, 17 km S, Palace Rock, Tananarive, 17 km S)		19° 03' 00" S 47° 29' 00" E	1340 m
Ambohimahavelona		23° 26' 00" S 43° 54' 00" E	
Ambohimanana, 2 km SW Vinanitelo (see also: Vinanitelo, 21 km SW)		21° 26' 00" S 48° 05' 00" E	44 m
Ambohimirija caves (see Namoroka)		16° 24' 00" S 45° 17' 00" E	80 m
Ambohimitambo (see Ambohimitombo)		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitambo forest (see Ambohimitombo)		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitembo (see Ambohimitombo)		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitombo (see also: Ambohi, Ambohimitambo, Ambohimitambo forest, Ambohimitembo)		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohitantely		18° 10' 00" S 47° 17' 00" E	1519 m
Ambohitantely Special Reserve (see Réserve Spéciale d'Ambohitantely)		18° 10' 00" S 47° 17' 00" E	
Ambohitra (see also: Joffreville)		12° 29' 00" S 49° 12' 00" E	743 m
Ambohitra, 5.5 km SW (see Parc National de la Montagne d'Ambre)		12° 31' 00" S 49° 10' 00" E	1000 m
Ambohitra, 6 km S (see also: Ambre, mount, Joffreville, 6 km S, Montagne d'Ambre (Parc National), Mount Ambre)		12° 37' 00" S 49° 09' 00" E	1000 m
Ambohitra, 6 mi [=9.6 km] S (see Ambohitra, 6 mi [=9.6 km] S) (see also: Ambohitra, 6 mi [=9.6 km] S, Joffreville, 6 mi [=9.6 km] S)	ca.	12° 37' 00" S 49° 09' 00" E	
Ambondramamy		16° 26' 10" S 47° 09' 22" E	
Ambondromifehy, 10.5 km NE (see Matsaborimadio, at edge of), Andavaka Matsaborimadio		12° 48' 38" S 49° 15' 15" E	290 m
Ambositra		20° 31' 00" S 47° 15' 00" E	
Ambotelafer			
Ambovombe		25° 10' 00" S 46° 05' 00" E	135 m
Ambovombe, near (see Lower Fiherenana Valley)	ca.	25° 10' 00" S 46° 05' 00" E	
Ambovondramanesy, village near Berivotra, on RN4		15° 54' 00" S 46° 35' 00" E	
Ambre mountain National Park (see Parc National de la Montagne d'Ambre), 5.5 km SW Joffreville [=Ambohitra]		12° 31' 00" S 49° 10' 00" E	1000 m
Ambre, mount (see Ambohitra, 6 km S), 6 km S Joffreville		12° 37' 00" S 49° 09' 00" E	1000 m
Amdroimpano cave (see Grotte d'Amdroimpano)		24° 39' 01" S 43° 57' 48" E	110 m
Ampanibe, N Bank Manampanihy/Iavibola River		24° 16' 01" S 47° 19' 07" E	25 m
Ampara Fara (see Amparafara), Perinet, Moramanga, Tamatave		18° 41' 00" S 47° 35' 00" E	1373 m
Amparafara, Perinet, Moramanga, Tamatave (see also: Ampara Fara)		18° 41' 00" S 47° 35' 00" E	1373 m
Ampasimanolotra (see also: Brickaville, Vohibinany)		18° 49' 00" S 49° 04' 00" E	3 m
Ampasimanolotra district (see also: Brickaville district, Vohibinany district)	ca.	18° 49' 04" S 49° 04' 21" E	
Ampasy (see Ampasy Nahampoana)		24° 58' 00" S 46° 59' 00" E	63 m
Ampasy Nahampoana, 7 km NNW Tolagnaro (see also: Ampasy, Nahampoana, Tolagnaro, 7 km NNW)		24° 58' 00" S 46° 59' 00" E	63 m
Ampasy Nahampoana Forest (see also: Nahampoana Forest)	ca.	24° 58' 00" S 46° 59' 00" E	
Ampatramary, 1.2 km ENE and Midongy su Sud, 9.5 km NE (see Ambatobe, W slope mount)		23° 30' 01" S 47° 03' 00" E	650 m
Ampidirabe forest (see Forêt d'Ampidirabe)	ca.	18° 31' 45" S 44° 36' 35" E	
Ampijoara Forest (see Mkhotakota district)	ca.	16° 18' 00" S 46° 49' 00" E	
Ampijoara, lake (see Ampijoroa)	ca.	16° 18' 00" S 46° 49' 00" E	

Ampijoroa, ca 40 km S Marovoay (see also: Ampijoara, lake, Ampyoara, Marovoay, ca 40 km S)	ca.	16° 18' 00" S 46° 49' 00" E	
Ampirojoa forest (see Forêt d'Ampirojoa)		16° 18' 54" S 46° 48' 36" E	100 m
Ampitambé (1), N of Moramanga		18° 51' 00" S 48° 15' 00" E	913 m
Ampitambé (2), 45 km ESE Fandriana (see also: Fandriana, 45 km ESE)	ca.		900 m
Ampotaka			
Ampyoara (see Ampijoroa)	ca.	16° 18' 00" S 46° 49' 00" E	
Analabe forest (see Analabe, forêt de)			
Analabe, forêt de, near Lac Sahaka (see also: Analabe forest, Andrafiabe cave, forest near, Andrafiabe, 2.6 km E, Forêt d'Analabe, Grotte d'Andrafiabe, forêt près de)			
Analalava		24° 42' 00" S 47° 02' 00" E	46 m
Analalava Forest, 6 km N Manantenina (see also: Forêt d'Analalava, Manantenina, 6 km N)		24° 12' 00" S 47° 16' 00" E	ca. 20 m
Analamangabe		22° 29' 08" S 45° 23' 02" E	
Analamazaotra forest (see Andasibe), E of Moramanga		18° 56' 00" S 48° 25' 00" E	921 m
Analamerana Special Reserve (see also: Forêt d'Analamerana, Réserve Spéciale d'Analamerana)		12° 44' 00" S 49° 32' 00" E	
Andadoany, 1.8 km SE and 0.6 km NE (see Bekopake), just outside the limit of the Parc national de Bemaraha		19° 09' 00" S 44° 48' 00" E	27 m
Andakaty, cave, 2.9 km N Betsiaka, Foret d'Andavakoera (see also: Betsiaka, 2.9 km N , Grotte d'Andakaty)		13° 07' 47" S 49° 14' 02" E	210 m
Andalabezo cave (see Forêt des Mikea (1))		22° 30' 00" S 43° 23' 00" E	15 m
Andalambezo cave (see Forêt des Mikea (1))		22° 30' 00" S 43° 23' 00" E	15 m
Andasibe (see also: Analamazaotra forest, Périnet)		18° 56' 00" S 48° 25' 00" E	921 m
Andavadrano			
Andavadrano, 5.5 km SE Ambery (see also: Ambery, 5.5 km SE)		12° 50' 38" S 49° 20' 54" E	330 m
Andavakoera		13° 05' 49" S 49° 15' 16" E	165 m
Andoany (see also: Hell-Ville, Helville)		13° 24' 00" S 48° 16' 00" E	0 m
Andoany, 3 km N (see also: Hell-Ville, 3 km N, Helville, 3 km N)	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Andrafia (see Andrafiavelo), 42 km NE Maintirano		17° 46' 00" S 44° 13' 00" E	75 m
Andrafiabe			
Andrafiabe cave (see Grotte d'Andrafiabe)	ca.	12° 55' 54" S 49° 03' 24" E	
Andrafiabe cave, forest near (see Analabe, forêt de), 2.6 km E Andrafiabe			50 m
Andrafiabe, 2.6 km E (see Analabe, forêt de)			50 m
Andrafiabe, 3.5 km ESE (see Grotte d'Andrafiabe)	ca.	12° 55' 54" S 49° 03' 24" E	
Andrafiabe, 3.5 km SE		12° 56' 31" S 49° 03' 18" E	50 m
Andrafiavelo, 42 km NE Maintirano (see also: Andrafia, Andriafavelo, Maintirano, 42 km NE)		17° 46' 00" S 44° 13' 00" E	75 m
Andrahaha Cave			
Andrahomana cave	ca.	25° 11' 00" S 46° 40' 00" E	
Andraina, 2 km W	ca.	20° 23' 04" S 47° 26' 28" E	
Andrambovato, 2 km NE		21° 30' 00" S 47° 27' 00" E	550 m
Andrandoka			
Andranoboka, caves (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Andranohinalahy (see Andranohinaly)		23° 17' 00" S 43° 59' 00" E	301 m
Andranohinaly (see also: Andranohinalahy)		23° 17' 00" S 43° 59' 00" E	301 m
Andranoilovy cave (see also: Grotte d'Andranoilovy)		24° 03' 00" S 43° 45' 00" E	
Andranokova (see Canyon des Singes)	ca.	22° 30' 00" S 45° 24' 00" E	
Andranomandray			
Andranomandroy			
Andranomanitsy Forest, 24.5 km N Besalampy (see also: Besalampy, 24.5 km N)		16° 31' 28" S 44° 29' 23" E	35 m
Andranomathy cave (see also: Grotte d'Andranomathy)			
Andranomavo, 32 km NW, near source of Mandevy River		16° 22' 48" S 45° 20' 42" E	100 m
Andranomboalavo	ca.	22° 33' 00" S 45° 23' 00" E	
Andranomilitry, cave (see Ihosy (commune rurale)), Ankily		22° 23' 07" S 46° 03' 23" E	950 m
Andranovory forest		22° 59' 00" S 44° 32' 00" E	1647 ft
Andranto (see Anorotsangana)		13° 55' 00" S 47° 55' 00" E	0 m
Andranto (see Anorotsangana)		13° 54' 55" S 47° 55' 19" E	0 m

Andreaba		22° 31' 00" S 46° 50' 00" E	734 m
Andreba (railroad station)		17° 38' 00" S 48° 32' 00" E	914 m
Andriabe site, 2 km SE Namoroka village	ca.	16° 28' 00" S 45° 20' 00" E	
Andriafavelo (see Andrafiavelo), 42 km NE Maintirano		17° 46' 00" S 44° 13' 00" E	75 m
Andriamamovoka		21° 14' 45" S 47° 23' 53" E	1112 m
Andringitra (see Andringitra National Park)		22° 09' 24" S 46° 52' 32" E	
Andringitra National Park, 43 km S Ambalavao		22° 09' 24" S 46° 52' 32" E	
(see also: Ambalavao, 43 km S, Andringitra)			
Androbaha cave, on Onilahy river			
(see also: Grotte d'Androbaha)			
Androhibe, caves (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Androka River, along, Ambanizana, 1.1 km S		15° 38' 03" S 49° 58' 07" E	5 m
Angavokely, granite caves		18° 55' 00" S 47° 44' 00" E	ca. 1770 m
(see also: Grottes de granite d'Angavokely)			
Anibohimasina			
Anjajavy		15° 02' 00" S 47° 14' 00" E	112 m
(see also: Jajavy)			
Anjajavy, 18.5 km S (see Grotte d'Ankelimahogo)		15° 11' 26" S 47° 12' 10" E	50 m
Anjajavy, 26.5 km SW		15° 11' 52" S 47° 02' 32" E	0 m
Anjajavy, 3 km NE		15° 00' 28" S 47° 14' 20" E	10 m
Anjajavy, 4 km NE		14° 59' 43" S 47° 13' 55" E	10 m
Anjanaharibe sud Reserve		14° 42' 32" S 49° 27' 47" E	
Anjiro			
Anjohibe Cave, NCC-1 deposit, 3.7 km NE Antanamarina		15° 32' 33" S 46° 53' 10" E	100 m
(see also: Andranoboka, caves, Androhibe, caves, Anjohibe Zohin', Antanamarina, 3.7 km NE, Grotte d'Anjohibe, Grottes d'Andranoboka, Grottes d'Androhibe, Grottes d'Anjohibe, Tsinjomitondraka)			
Anjohibe Zohin' (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Anjohikely cave (south entrance) (see Grotte d'Anjohikely (south entrance)), 1.5 km NE Antanamasina		15° 33' 39" S 46° 52' 27" E	
Anjohikinakina cave, 15.5 km N Bekopaka		19° 00' 36" S 44° 46' 04" E	
(see also: Bekopaka, 15.5 km N, Grotte d'Anjohikinakina)			
Anjohimbovonomby		16° 28' 09" S 45° 20' 53" E	115 m
Anjohitantely		19° 08' 28" S 44° 48' 47" E	64 m
Anjoky cave			
(see also: Grotte d'Anjoky)			
Anjozorobe, 13 km SE	ca.	18° 29' 45" S 47° 56' 43" E	
Anjozorobe, 3.2 km W (see Ambohibeloma)		18° 24' 32" S 47° 51' 06" E	
Ankapoka		19° 02' 42" S 44° 44' 06" E	
Ankapoky, ca 21 km NW Ranopiso		24° 59' 00" S 46° 30' 00" E	50 m
(see also: Ranopiso, ca 21 km NW)			
Ankarafantsika forest (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga		16° 09' 00" S 47° 02' 00" E	
Ankarafantsika Natural Reserve (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga		16° 09' 00" S 47° 02' 00" E	
Ankarafatsika National Park			
(see also: Parc National d' Ankarafatsika)			
Ankarana		13° 05' 00" S 48° 55' 00" E	94 m
(see also: Ankarana caves, Ankarana Forest, Sosumau, Sosumav, Sosumaville)			
Ankarana caves (see Ankarana)		13° 05' 00" S 48° 55' 00" E	94 m
Ankarana Forest (see Ankarana)		13° 05' 00" S 48° 55' 00" E	94 m
Ankarana National Park		12° 56' 31" S 49° 03' 18" E	
(see also: Parc National d'Ankarana, Réserve Spéciale d'Ankarana)			
Ankavandra, N of		18° 45' 00" S 45° 13' 00" E	
(see also: Antananarivo, 193 km W)			
Ankavandra, near	ca.	18° 46' 00" S 45° 18' 00" E	119 m
Ankazoata, W of			
Ankazobe		18° 18' 50" S 47° 06' 50" E	
Ankazomborona		16° 06' 59" S 46° 45' 14" E	
Ankelimahogo cave (see Grotte d'Ankelimahogo)		15° 11' 26" S 47° 12' 10" E	50 m
Ankidrodroa, 2.5 m NE Bekopaka		19° 07' 54" S 44° 48' 30" E	100 m
Ankiliabo			
Ankiliabo, 11 km SSE (see Forêt de Beronto)		21° 46' 48" S 43° 58' 42" E	
Ankilibaka (see Ankililoaka)		22° 46' 03" S 43° 36' 57" E	95 m
Ankililoaka		22° 46' 03" S 43° 36' 57" E	95 m
(see also: Ankilibaka)			
Ankilizato, W of Ankavandra		18° 38' 05" S 44° 59' 37" E	
Ankiloaka, 9.5 km W (see Forêt des Mikea (2))		22° 46' 42" S 43° 31' 24" E	80 m
Ankily, W of Ihosy, off RN7		22° 23' 06" S 46° 05' 44" E	
Anoront Sánga (see Anorotsangana)		13° 55' 00" S 47° 55' 00" E	0 m
Anoront Sánga (see Anorotsangana)		13° 54' 55" S 47° 55' 19" E	0 m

Anorontsanga (see Anorotsangana)		13° 55' 00" S 47° 55' 00" E	0 m
Anorontsangana (see Anorotsangana)		13° 54' 55" S 47° 55' 19" E	0 m
Anorontsangana (see Anorotsangana)		13° 55' 00" S 47° 55' 00" E	0 m
Anorotsangana		13° 54' 55" S 47° 55' 19" E	0 m
(see also: Andranto, Anoront Sánga, Anorontsangana)			
Anorotsangana		13° 55' 00" S 47° 55' 00" E	0 m
(see also: Andranto, Anoront Sánga, Anorontsanga, Anorontsangana)			
Anosy river, 11 km SW near (see Bevilany)		25° 01' 00" S 46° 30' 00" E	
Ansalova, 15 km E		18° 40' 00" S 44° 37' 00" E	
Antafinimihakatra		16° 16' 00" S 46° 48' 00" E	
Antanamarina cascade		15° 34' 34" S 46° 52' 09" E	
(see also: Cascade d'Antanamarina)			
Antanamarina, 3.7 km NE (see Anjohibe Cave)		15° 32' 33" S 46° 53' 10" E	100 m
Antanamasina, 1.5 km NE (see Grotte d'Anjohikely (south entrance))		15° 33' 39" S 46° 52' 27" E	
Antanambe region			
Antananarivo		18° 55' 00" S 47° 31' 00" E	1288 m
(see also: Antananarivu, Tana, Tananarive)			
Antananarivo province			
Antananarivo, 17 km S (see Ambohijoky)		19° 03' 00" S 47° 29' 00" E	1340 m
Antananarivo, 193 km W (see Ankavandra, N of)		18° 45' 00" S 45° 13' 00" E	
Antananarivo, 30 km E (see Nandihizana)		18° 54' 00" S 47° 43' 00" E	915 m
Antananarivu (see Antananarivo)		18° 55' 00" S 47° 31' 00" E	1288 m
Antanandava, 5.8 km NE Beroboka Sud		19° 55' 47" S 44° 36' 21" E	30 m
(see also: Beroboka Sud, 5.8 km NE)			
Antanimbary			
Anteseranana	ca.	13° 20' 00" S 48° 15' 00" E	
Antsahabe forest, Anjozorobe		18° 24' 36" S 47° 56' 24" E	
Antsalova, 16.3 km N (see Forêt d'Ampidirabe)	ca.	18° 31' 45" S 44° 36' 35" E	
Antsalova, 18.3 km NNE (see Forêt de Mamakibetro)	ca.	18° 27' 13" S 44° 42' 57" E	
Antsampandrano forestry station (see Station Forestière d'Antsampandrano), 26 km SE Faratsiho		19° 36' 43" S 47° 03' 46" E	1850 m
Antseranana (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Antsingy Forest, 15 km E Antsalova		18° 40' 00" S 44° 37' 00" E	
Antsira?ana (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Antsiran			
Antsirana (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Antsiranana		12° 16' 00" S 49° 17' 00" E	125 m
(see also: Antseranana, Antsira?ana, Antsirana, Antsirane, Diego Soarez, Diégo-Suarez, Diégo-Suarez, near)			
Antsiranana province			
Antsiranana, 36 km S	ca.	12° 16' 00" S 49° 17' 00" E	
(see also: Diégo-Suarez, 36 km S)			
Antsiranana, 60 km S (see Matsaborimanga, near), Ankarana, N of		12° 54' 00" S 49° 07' 00" E	
Antsiranana, near	ca.	12° 16' 00" S 49° 17' 00" E	
Antsirane (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Antsironandoha Cave, west, 10 km NW Mashamasina,		12° 53' 20" S 49° 05' 51" E	100 m
(see also: Grotte d'Antsironandoha, Ouest de, Mashamasina, 10 km NW)			
Antsohihy			
Anzahameru			
Bas Mangoky agricultural station	ca.	21° 36' 00" S 43° 42' 00" E	
Bat Cave, 3 km NW Mahamasima		12° 57' 23" S 49° 07' 05" E	80 m
(see also: Grotte des chauves-souris, Mahamasina, 3 km NW)			
Bat cave (see Grotte des Chauves-souris)		18° 10' 52" S 47° 17' 21" E	1500 m
Bat/maki cave (see Grotte des chauves-souris/makis)		23° 28' 20" S 43° 46' 14" E	
Bazaribe, cave, 3.6 km SE Menagisy		12° 42' 44" S 49° 28' 25" E	90 m
(see also: Grotte de Bazaribe, Menagisy, 3.6 km SE)			
Beanka forest (see Forêt de Beanka)	ca.	17° 26' 27" S 44° 12' 59" E	
Befandefa, 8.4 km SSE (see Forêt des Mikea (3))	ca.	22° 13' 56" S 43° 21' 50" E	
Befandriana			
(see also: Bofandriana)			
Beforona, between Tananarive and Andevoranto		18° 58' 00" S 48° 35' 00" E	507 m
(see also: Beforono)			
Beforono (see Beforona), between Tananarive and Andevoranto		18° 58' 00" S 48° 35' 00" E	507 m
Befotaka		23° 49' 48" S 46° 58' 12" E	800 m
Behara		24° 57' 00" S 46° 23' 00" E	48 m
Bekapity cave (see Grotte de Bekapity)		22° 38' 00" S 45° 13' 05" E	
Bekopaka, 15.5 km N (see Anjohikinakina cave)		19° 00' 36" S 44° 46' 04" E	

Bekopaka, 3.5 km E	ca.	19° 09' 00" S 44° 50' 00" E	
Bekopake, just outside the limit of the Parc national de Bemaraha (see also: Andadoany, 1.8 km SE and 0.6 km NE)		19° 09' 00" S 44° 48' 00" E	27 m
Belo Tsiribihina		19° 42' 01" S 44° 32' 51" E	
Belobaka		15° 41' 26" S 46° 25' 08" E	
Beloha		25° 10' 00" S 45° 03' 00" E	
Bemangidy, Poste Manantenina, 72 km N of Ft Dauphin (see also: Fort-Dauphin, 72 km N, Tolanaro, 72 km N)		24° 24' 00" S 47° 00' 00" E	
Bemara gorges (see Bemaraha National Park)		18° 45' 00" S 44° 50' 00" E	
Bémaraha caves (see also: Grottes de Bémaraha)	ca.	18° 45' 00" S 44° 50' 00" E	
Bemaraha National Park (see also: Bemara gorges, Bemaraha, Tsingin' i, Parc National de Bemaraha, Tsingy de Bemaraha, Reserve Naturelle de)		18° 45' 00" S 44° 50' 00" E	
Bemaraha, Tsingin' i (see Bemaraha National Park)		18° 45' 00" S 44° 50' 00" E	
Benjana (see Ambanizana)		15° 37' 00" S 49° 58' 00" E	255 m
Beraketa, ca 20 km (by road) NNE Amboasary		24° 52' 00" S 46° 27' 00" E	80 m
Bérato			
Beratro		25° 00' 00" S 45° 17' 00" E	213 m
Beravina, 21.8 km ESE (see Forêt de Mehajebi)	ca.	18° 15' 27" S 45° 25' 42" E	
Berenty-Betsileo, 28 km SE		22° 19' 00" S 45° 17' 36" E	550 m
Berevo, Upper Siribihina river		19° 43' 36" S 44° 57' 34" E	
Berifitra (see Berivotra (village))		15° 54' 03" S 46° 34' 42" E	252 m
Berivotra (village) (see also: Berifitra)		15° 54' 03" S 46° 34' 42" E	252 m
Béroboka (see Beroboka Atsimo)		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Atsimo (see also: Béroboka, Beroboka Sud, Beroboka Ville)		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Sud (see Beroboka Atsimo)		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Sud, 5.8 km NE (see Antanandava)		19° 55' 47" S 44° 36' 21" E	30 m
Beroboka Ville (see Beroboka Atsimo)		19° 59' 00" S 44° 36' 00" E	43 m
Beronto forest (see Forêt de Beronto)		21° 46' 48" S 43° 58' 42" E	
Beroroha			
Besalampy, 24.5 km N (see Andranomanitsy Forest)		16° 31' 28" S 44° 29' 23" E	35 m
Betafo			
Betanty (see also: Faux Cap, Port de Faux Cap)		25° 34' 00" S 45° 31' 00" E	34 m
Betioky Sud		23° 43' 11" S 44° 23' 01" E	
Betroka		23° 15' 50" S 46° 05' 30" E	800 m
Betsiaka, 2.9 km N (see Andakaty, cave)		13° 07' 47" S 49° 14' 02" E	210 m
Betsileo		22° 10' 00" S 45° 04' 00" E	
BetsiPC:FI|)			
Bevaho, 24 km (by road) NNE Amboasary		24° 52' 00" S 46° 27' 00" E	
Bevato			
Bevato or Namoroka			
Bevato, 40 km NW (see Maroantsetra, 40 km NW)	ca.	15° 17' 00" S 49° 34' 00" E	400 m
Bevilany, 11 km SW near Anosy River (see also: Anosy river, 11 km SW near)		25° 01' 00" S 46° 30' 00" E	40 m
Binara forest, 7.5 km SW Daraina (see also: Daraina, 7.5 km SW, Forêt de Binara)		13° 15' 18" S 49° 36' 59" E	
Bishiko cave (see Grotte de Tanambao)		23° 32' 56" S 43° 46' 03" E	10 m
Bisihiko cave (see Grotte de Tanambao), 0.75 km E St. Augustin		23° 32' 56" S 43° 46' 03" E	10 m
Bity Massif (see Ibity Massif)		20° 07' 00" S 47° 01' 00" E	
Boanamary, 3 km NE	ca.	15° 50' 00" S 46° 19' 00" E	0 m
Boeni (see Boeny)		15° 54' 00" S 45° 56' 00" E	44 m
Boeny (see also: Boeni, Boina)		15° 54' 00" S 45° 56' 00" E	44 m
Bofandriana (see Befandriana)			
Boina (see Boeny)		15° 54' 00" S 45° 56' 00" E	44 m
Bosianoremane			
Brickaville (see Ampasimanolotra)		18° 49' 00" S 49° 04' 00" E	3 m
Brickaville district (see Ampasimanolotra district)	ca.	18° 49' 04" S 49° 04' 21" E	
Calata cave	ca.	18° 18' 52" S 47° 06' 53" E	
Canyon des Singes, 2 km W Ranohira bas; Andranokova (see also: Andranokova, Ranohira bas, 2 km W)	ca.	22° 30' 00" S 45° 24' 00" E	
Cap Saint Vincent (see Tanjona Ankaboa)		21° 52' 00" S 43° 20' 00" E	
Cape Saint Vincent (see Tanjona Ankaboa)		21° 52' 00" S 43° 20' 00" E	
Cape Saint Vincent, near (see Tanjona Ankaboa, near)	ca.	21° 52' 00" S 43° 20' 00" E	
Carion (see Nandihizana), 30 km E Tananarive		18° 54' 00" S 47° 43' 00" E	915 m
Cascade d'Antanamarina (see Antanamarina cascade)		15° 34' 34" S 46° 52' 09" E	

Cascade de Manantantely (see Manantantely, falls), 5.2 km NW Tolagnaro		24° 59' 21" S 46° 55' 22" E	65 m
Cascade Sahanalaotra, near, just outside PN de Ranomafana (see also: Sahanalaotra falls, near)		21° 14' 15" S 47° 23' 52" E	1100 m
Causse de Namoroka (see Namoroka)		16° 24' 00" S 45° 17' 00" E	80 m
Caves of Manandona, high on mountain side		20° 03' 00" S 47° 04' 00" E	6600 ft
Centre National de Recherches Océanographiques, 1.(km E Hell-Ville (see also: Hell-Ville, 1.5 km E)	ca.	13° 24' 00" S 48° 16' 00" E	
Côte Est, probablement (see East Coast, probably)			
Crocodile cave (see Ambatoharanana cave)		12° 59' 18" S 49° 01' 18" E	20 m
Daraina			
Daraina, 7.5 km SW (see Binara forest)		13° 15' 18" S 49° 36' 59" E	
Didy, 7 km N	ca.	18° 07' 00" S 48° 32' 00" E	
Diego Soarez (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Diégo-Suarez (see Antsiranana)		12° 16' 00" S 49° 17' 00" E	125 m
Diégo-Suarez, 36 km S (see Antsiranana, 36 km S)	ca.	12° 16' 00" S 49° 17' 00" E	
Diégo-Suarez, near (see Antsiranana)	ca.	12° 16' 00" S 49° 17' 00" E	
Dronibe			
East Coast, probably (see also: Côte Est, probablement)			
Eastern Madagascar			
Efoetse, 6 km NE (see Grotte de Mitaho, près)		24° 02' 50" S 43° 45' 09" E	
Evondro (see High Fanjahira, valley)			
Fandanana (see Fandriana)		20° 14' 00" S 47° 23' 00" E	1463 m
Fandriana (see also: Fandanana, Ifandriana)		20° 14' 00" S 47° 23' 00" E	1463 m
Fandriana region		20° 17' 00" S 47° 31' 00" E	
Fandriana, 45 km ESE (see Ampitambé (2))	ca.	21° 00' 00" S 47° 45' 00" E	900 m
Faradofay (see Tolanaro)		25° 02' 00" S 47° 00' 00" E	0 m
Farankaraina Tropical Park		15° 25' 43" S 49° 50' 32" E	
Faratsiho, 26 km SE (see Station Forestière d'Antsampandrano)		19° 36' 43" S 47° 03' 46" E	1850 m
Faravohitra			
Farihy Alaotra (lake), near (see also: Alaotra, lake, near, Lac Alaotra, near)	ca.	17° 27' 55" S 48° 31' 30" E	
Farihy Tsimanampetsotsa (see Tsimanampetsotsa, lake)		24° 07' 00" S 43° 45' 00" E	
Faux Cap (see Betanty)		25° 34' 00" S 45° 31' 00" E	34 m
Fénérive-Est, 10 km NW (see Forêt de Tampolo)	ca.	17° 19' 20" S 49° 20' 02" E	
Fianarantsoa (see also: Fianarantsoa: Miharisoa (EPP))		21° 26' 00" S 47° 05' 00" E	1156 m
Fianarantsoa province (see also: Betsileo province |PC:FI|)			
Fianarantsoa, 18 km SW		21° 27' 00" S 47° 05' 00" E	1128 m
Fianarantsoa, near	ca.	21° 26' 00" S 47° 05' 00" E	
Fianarantsoa: Miharisoa (EPP) (see Fianarantsoa)		21° 26' 00" S 47° 05' 00" E	1156 m
Fièvre Point (see Pointe à la Fièvre)		13° 25' 00" S 48° 18' 00" E	
Fiherenana River, lower valley, near Tulear		23° 18' 59" S 43° 37' 06" E	
FOFIFA Station, Kianjavato		21° 22' 00" S 47° 51' 36" E	150 m
Forêt d'Ampidirabe, 16.3 km N Antsalova (see also: Ampidirabe forest, Antsalova, 16.3 km N)	ca.	18° 31' 45" S 44° 36' 35" E	
Forêt d'Ampirojoa (see also: Ampirojoa forest)		16° 18' 54" S 46° 48' 36" E	100 m
Forêt d'Ampitiliantsambo		12° 20' 14" S 49° 23' 04" E	210 m
Forêt d'Analabe (see Analabe, forêt de)			
Forêt d'Analalava (see Analalava Forest), 6 km N Manantenina		24° 12' 00" S 47° 16' 00" E	ca. 20 m
Forêt d'Analamerana (see Analamerana Special Reserve)		12° 44' 00" S 49° 32' 00" E	
Forêt de Beanka, along Kimanambolo River (see also: Beanka forest)	ca.	17° 26' 27" S 44° 12' 59" E	
Forêt de Beronto (see also: Ankiliabo, 11 km SSE, Beronto forest)		21° 46' 48" S 43° 58' 42" E	
Forêt de Binara (see Binara forest), 7.5 km SW Daraina		13° 15' 18" S 49° 36' 59" E	
Forêt de Kirindy (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Forêt de Mamakibetro, 18.3 km NNE Antsalova (see also: Antsalova, 18.3 km NNE, Mamakibetro forest)	ca.	18° 27' 13" S 44° 42' 57" E	
Forêt de Manambolo (see also: Manambolo Forest)	ca.	22° 08' 58" S 47° 01' 25" E	
Forêt de Marovony (see Marovony Forest)		24° 04' 00" S 47° 20' 00" E	30 m
Forêt de Mehajebi, 21.8 km ESE Beravina (see also: Beravina, 21.8 km ESE, Mehajebi forest)	ca.	18° 15' 27" S 45° 25' 42" E	
Foret de Sahafina, Brickaville, 9.5 km W		18° 48' 27" S 48° 58' 55" E	105 m

Forêt de Sahafina, Brickaville, 9.5 km W		18° 48' 37" S 48° 58' 48" E	50 m
Forêt de Tampolo, 10 km NW Fénérive-Est (see also: Fénérive-Est, 10 km NW, Tampolo forest)	ca.	17° 19' 20" S 49° 20' 02" E	
Forêt de Zombitsy (see Zombitsy forest)		22° 47' 00" S 44° 42' 00" E	
Forêt des Mikea (1) (see also: Andalabezo cave, Andalambezo cave, Grotte d'Andalambezo, Mikea Forest (1))		22° 30' 00" S 43° 23' 00" E	15 m
Forêt des Mikea (2), 9.5 km W Ankiloaka (see also: Ankiloaka, 9.5 km W, Tsifota, 7.5 km NE)		22° 46' 42" S 43° 31' 24" E	80 m
Forêt des Mikea (3), 8.4 km SSE Befandefa (see also: Befandefa, 8.4 km SSE, Mikea forest (3))	ca.	22° 13' 56" S 43° 21' 50" E	
Forêt d'Ikongo (see Ikongo Forest)		21° 53' 11" S 47° 20' 49" E	
Fort Carhot (see Ikongo)		21° 53' 00" S 47° 26' 00" E	354 m
Fort Carhot (see Ikongo)		21° 53' 00" S 47° 26' 00" E	354 m
Fort Carnot (see Ikongo)		21° 53' 00" S 47° 26' 00" E	354 m
Fort Dauphin		25° 02' 00" S 47° 00' 00" E	
Fort-Carnot (see Ikongo)		21° 53' 00" S 47° 26' 00" E	354 m
Fort-Dauphin (see Tolanaro)		25° 02' 00" S 47° 00' 00" E	20 m
Fort-Dauphin, 13 km NE (see Tolanaro, 13 km NE)		25° 01' 00" S 47° 00' 00" E	
Fort-Dauphin, 16 km NE (see Tolanaro, 13 km NE)		25° 01' 00" S 47° 00' 00" E	
Fort-Dauphin, 32 km NE (see Tolanaro, 32 km NE)		25° 02' 00" S 47° 00' 00" E	
Fort-Dauphin, 72 km N (see Bemangidy)		24° 24' 00" S 47° 00' 00" E	
Fort-Dauphin, 8 km NE (see Tanosy or Monotane forestry station)		24° 58' 40" S 47° 00' 00" E	
Fort-Dauphin, near	ca.	25° 02' 00" S 47° 00' 00" E	
Foulepoint and lake Alaoutre, between (see Foulpointe and Lake Alotra, between)	ca.	17° 35' 00" S 49° 00' 00" E	
Foulpointe (see Mahavelona)		17° 41' 00" S 49° 31' 00" E	0 m
Foulpointe and Lake Alotra, between (see also: Foulepoint and lake Alaoutre, between)	ca.	17° 35' 00" S 49° 00' 00" E	
Grande forêt de l'Est (see Great forest of the East)			
Grande Lac, 12 km SW Joffreville (see also: Joffreville, 12 km SW)		12° 34' 59" S 49° 08' 55" E	
Great forest of the East (see also: Grande forêt de l'Est)			
Great Forest of the East (see Konakry)			
Grotte Boribe		13° 00' 00" S 49° 00' 00" E	
Grotte d'Androimpano		24° 39' 01" S 43° 57' 48" E	110 m
Grotte d'Ambahibe (see Ambahibe cave), 2 km W Mahamasina		12° 58' 04" S 49° 07' 14" E	80 m
Grotte d'Ambanilia, 3.7 km SSE Sarodrano (see also: Ambanilia cave, Sarodrano, 3.7 km SSE)		23° 32' 24" S 43° 46' 01" E	
Grotte d'Ambatoharanana (see Ambatoharanana cave)		12° 59' 18" S 49° 01' 18" E	20 m
Grotte d'Amdroimpano, 4.2 km NE Itampolo (village), on road to Ejeda (see also: Amdroimpano cave, Itampolo, 4.2 km NE, on old road to Ejeda)		24° 39' 01" S 43° 57' 48" E	110 m
Grotte d'Andakaty (see Andakaty, cave), 2.9 km N Betsiaka, Foret d'Andavakoera		13° 07' 47" S 49° 14' 02" E	210 m
Grotte d'Andalambeze			
Grotte d'Andalambezo (see Forêt des Mikea (1))		22° 30' 00" S 43° 23' 00" E	15 m
Grotte d'Andrafiabe, 3.5 km ESE Andrafiabe (see also: Andrafiabe cave, Andrafiabe, 3.5 km ESE)	ca.	12° 55' 54" S 49° 03' 24" E	
Grotte d'Andrafiabe, forêt près de (see Analabe, forêt de), 2.6 km E Andrafiabe			50 m
Grotte d'Andranoilovy (see Andranoilovy cave)		24° 03' 00" S 43° 45' 00" E	
Grotte d'Andranomathy (see Andranomathy cave)			
Grotte d'Andranomilitry (see Ihosy (commune rurale)), Ankily		22° 23' 07" S 46° 03' 23" E	950 m
Grotte d'Androbaha (see Androbaha cave), on Onilahy river			
Grotte d'Anjohibe (see Anjohibe Cave), 3.7 km NE Antanamarina		15° 32' 33" S 46° 53' 10" E	100 m
Grotte d'Anjohikely (south entrance), 1.5 km NE Antanamarina (see also: Anjohikely cave (south entrance), Antanamasina, 1.5 km NE)		15° 33' 39" S 46° 52' 27" E	
Grotte d'Anjohikinakina (see Anjohikinakina cave)		19° 00' 36" S 44° 46' 04" E	
Grotte d'Anjohimbazimba		18° 14' 42" S 44° 42' 58" E	
Grotte d'Anjoky (see Anjoky cave)			

Grotte d'Ankelimahogo (see also: Anjajavy, 18.5 km S, Ankelimahogo cave)		15° 11' 26" S 47° 12' 10" E	50 m
Grotte d'Antsiroandoha		12° 53' 28" S 49° 05' 53" E	
Grotte d'Antsironandoha, Ouest de (see Antsironandoha Cave, west), 10 km NW Mashamasina,		12° 53' 20" S 49° 05' 51" E	100 m
Grotte de Bazaribe (see Bazaribe, cave), 3.6 km SE Menagisy		12° 42' 44" S 49° 28' 25" E	90 m
Grotte de Bekapity (see also: Bekapity cave)		22° 38' 00" S 45° 13' 05" E	
Grotte de Bishiko (see Grotte de Tanambao), 0.75 km E St. Augustin		23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Bisihiko (see Grotte de Tanambao)		23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Maromandia (see Maromandia)		14° 13' 00" S 48° 05' 00" E	95 m
Grotte de Marondavenoka (see Marondavenoka, cave), 9.4 km N Tolagnaro, near the village of Enato		24° 53' 26" S 46° 59' 14" E	110 m
Grotte de Mitaho, près, 6.5 km NE Efoetse (see also: Efoetse, 6 km NE, Mitaho cave, near)		24° 02' 50" S 43° 45' 09" E	
Grotte de Sakoandrano (see Sakoandrano cave)			
Grotte de Sarodrano (see Sarodrano cave)		23° 30' 37" S 43° 44' 07" E	
Grotte de Sarondrana (see Sarodrano cave)		23° 30' 37" S 43° 44' 07" E	
Grotte de Tanambao, 0.75 km E St. Augustin (see also: Bishiko cave, Bisihiko cave, Grotte de Bishiko, Grotte de Bisihiko, Saint-Augustin, 0.75 km E, St. Augustin, 0.75 km E, Tanambao cave)		23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Vintane (see Vintane cave)		24° 42' 08" S 43° 57' 49" E	
Grotte des Chauves-souris (see also: Bat cave)		18° 10' 52" S 47° 17' 21" E	1500 m
Grotte des chauves-souris (see Bat Cave), 3 km NW Mahamasima		12° 57' 23" S 49° 07' 05" E	80 m
Grotte des chauves-souris/makis, near Hotel la Mangrove, on Toliara-St. Augustin road (see also: Bat/maki cave)		23° 28' 20" S 43° 46' 14" E	
Grotte du troisième canyon, along Andokotokana river		12° 54' 51" S 49° 03' 20" E	50 m
Grottes d'Ambohimirija (see Namoroka)		16° 24' 00" S 45° 17' 00" E	80 m
Grottes d'Andranoboka (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Grottes d'Androhibe (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Grottes d'Anjohibe (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Grottes de Bémaraha (see Bémaraha caves)	ca.	18° 45' 00" S 44° 50' 00" E	
Grottes de granite d'Angavokely (see Angavokely, granite caves)		18° 55' 00" S 47° 44' 00" E	ca. 1770 m
Grottes de Saint-Augustin (see Saint-Augustin caves)		23° 33' 00" S 43° 46' 00" E	125 m
Hell-Ville (see Andoany)		13° 24' 00" S 48° 16' 00" E	0 m
Hell-Ville, 1.5 km E (see Centre National de Recherches Océanographiques)	ca.	13° 24' 00" S 48° 16' 00" E	
Hell-Ville, 3 km N (see Andoany, 3 km N)	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Helville (see Andoany)		13° 24' 00" S 48° 16' 00" E	0 m
Helville, 3 km N (see Andoany, 3 km N)	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Hiaraka, Masoala, Baie d'Antongil		15° 29' 00" S 49° 54' 00" E	
High Fanjahira, valley (see also: Evondro, Saka-Ivondro?)			
Hotel Jardin du Roi, 10.5 km SW Ranohira (see also: Ranohira, 10.5 km SW)	ca.	22° 38' 44" S 45° 19' 08" E	
Ianantsony, 17 mi [=27 km] S Tulear (see also: Saint-Augustin)		23° 33' 00" S 43° 46' 00" E	125 m
Ibity Massif (see also: Bity Massif)		20° 07' 00" S 47° 01' 00" E	
Ifanadiana		21° 18' 00" S 47° 38' 00" E	532 m
Ifanadiana, 6 km SSW		21° 21' 00" S 47° 37' 01" E	500 m
Ifandanana			
Ifandriana (see Fandriana)		20° 14' 00" S 47° 23' 00" E	1463 m
Ihosy (commune rurale), Ankily (see also: Andranomilitry, cave, Grotte d'Andranomilitry)		22° 23' 07" S 46° 03' 23" E	950 m
Ihosy, 30 km N		22° 23' 00" S 46° 09' 00" E	
Ikongo (see also: Fort Carhot, Fort Carhot, Fort Carnot, Fort-Carnot)		21° 53' 00" S 47° 26' 00" E	354 m
Ikongo Forest (see also: Forêt d'Ikongo)		21° 53' 11" S 47° 20' 49" E	
Ilakaka, E of, 220 km NE Tuléar (see also: Toleara, 220 km NE, Tuléar, 220 km NE)		22° 41' 00" S 45° 13' 00" E	769 m
Imasindrary (see also: Masindary, Sahamananina)		20° 17' 00" S 47° 31' 00" E	

Imerina, forest, E of		20° 32' 00" S 47° 20' 00" E	
Isalo National Park		22° 27' 52" S 45° 15' 43" E	
(see also: Parc National d'Isalo)			
Itambelo (see Itaombelo)	ca.	21° 48' 00" S 47° 15' 00" E	
Itampolo		24° 41' 00" S 43° 57' 00" E	28 m
Itampolo, 4.1 km SE (see Vintane cave)		24° 42' 08" S 43° 57' 49" E	
Itampolo, 4.2 km NE, on old road to Ejeda (see Grotte d'Amdroimpano)		24° 39' 01" S 43° 57' 48" E	110 m
Itaombelo	ca.	21° 48' 00" S 47° 15' 00" E	
(see also: Itambelo, Stambelo)			
Itapera Forest, ca. 21 km NW Tolagnaro		24° 52' 00" S 47° 07' 00" E	
(see also: Tolagnaro, ca. 21 km NW)			
Itapera, Pointe, ca. 21 km NW Tolagnaro		24° 54' 00" S 47° 08' 00" E	10 m
(see also: Itaperina, Pointe, Pointe Itapera, Pointe Itaperina, Tapera, Lohatanjona, Tolagnaro, ca. 21 km NW)			
Itaperina, Pointe (see Itapera, Pointe)		24° 54' 00" S 47° 08' 00" E	10 m
Itaranta, 20 km WNW Ranopiso		25° 01' 00" S 46° 29' 00" E	67 m
(see also: Ranopiso, 20 km WNW)			
Itaranta River, near		25° 05' 00" S 46° 28' 00" E	40 m
(see also: Amboasary, 12 km ENE and Ranopiso, 20 km WNW, Ranopiso, 20 km WNW and Amboasary, 12 km ENE)			
Itremo (village)		20° 35' 38" S 46° 37' 15" E	1450 m
Itremo, 2.5 km W		20° 35' 38" S 46° 37' 04" E	1400 m
Ivohibe			
Ivohiho			
Ivohimanitra	ca.	20° 42' 00" S 47° 35' 00" E	
Ivondro, Valley of High Fanjahira		18° 14' 00" S 49° 22' 00" E	5 m
(see also: Ivondrona)			
Ivondrona (see Ivondro), Valley of High Fanjahira		18° 14' 00" S 49° 22' 00" E	5 m
Jajavy (see Anjajavy)		15° 02' 00" S 47° 14' 00" E	112 m
Joffreville (see Ambohitra)		12° 29' 00" S 49° 12' 00" E	743 m
Joffreville, 12 km SW (see Grande Lac)		12° 34' 59" S 49° 08' 55" E	
Joffreville, 5.5 km SW (see Parc National de la Montagne d'Ambre)		12° 31' 00" S 49° 10' 00" E	1000 m
Joffreville, 6 km S (see Ambohitra, 6 km S)		12° 37' 00" S 49° 09' 00" E	1000 m
Joffreville, 6 mi [=9.6 km] S (see Ambohitra, 6 mi [=9.6 km] S)	ca.	12° 37' 00" S 49° 09' 00" E	
Junck (see Junok), 30 km NE Perinet		18° 48' 00" S 48° 40' 00" E	975 m
Junok, 30 km NE Perinet		18° 48' 00" S 48° 40' 00" E	975 m
(see also: Junck, Périnet, 30 km NE)			
Kandreho		17° 29' 00" S 46° 06' 00" E	241 m
(see also: Kandreo)			
Kandreo (see Kandreho)		17° 29' 00" S 46° 06' 00" E	241 m
Kianjavato		21° 22' 00" S 47° 51' 36" E	150 m
Kianjavato, 0.5 km N		21° 23' 00" S 47° 52' 00" E	300 m
Kianjavato, 4 km E (by road)		21° 22' 59" S 47° 54' 00" E	125 m
Kianjavato, 6.98 km NE (see Ambinanylalangy)		21° 20' 33" S 47° 55' 15" E	
Kianjavato, 9 km ESE (see Vatovavy)		21° 24' 00" S 47° 57' 00" E	150 m
Kinakina			
Kirindy forest (CNFEREF) (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Kirindy Mitea National Park (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Kyma Kyma			
Lac Alaotra, near (see Farihy Alaotra (lake), near)	ca.	17° 27' 55" S 48° 31' 30" E	
Lac Lotry (see Lotry, Lake)			
Lac Tsimanampetsotsa (see Tsimanampetsotsa, lake)		24° 07' 00" S 43° 45' 00" E	
Lac Tsimbazaza (see Tsimbazaza, lake)		18° 55' 00" S 47° 31' 00" E	
Les Roussettes		12° 31' 37" S 49° 10' 19" E	1000 m
(see also: Station des Roussettes)			
Lotry, Lake			
(see also: Lac Lotry)			
Lower Fiherenana Valley, near Ambovombe	ca.	25° 10' 00" S 46° 05' 00" E	
(see also: Ambovombe, near)			
Madagascar			
Madagascar, east coast			
Maevatanana		16° 57' 00" S 46° 50' 00" E	133 m
(see also: Maevetanana, Mavatanana, Mevatanana)			
Maevetanana (see Maevatanana)		16° 57' 00" S 46° 50' 00" E	133 m
Mahabo		20° 23' 00" S 44° 40' 00" E	57 m
Mahafaly	ca.	24° 30' 00" S 44° 30' 00" E	
Mahajanga		15° 43' 00" S 46° 19' 03" E	124 m
(see also: Majunga)			
Mahajanga province			

Mahajanga, 274 km E (see Mandritsara, N of)		15° 49' 00" S 48° 49' 00" E	
Mahajanga, 97 km SE (see Tahiry Nanaharin' Ankarafantsika)		16° 09' 00" S 47° 02' 00" E	
Mahajanga, N of		15° 40' 05" S 46° 19' 19" E	
Mahamasina, 2 km W (see Ambahibe cave)		12° 58' 04" S 49° 07' 14" E	80 m
Mahamasina, 3 km NW (see Bat Cave)		12° 57' 23" S 49° 07' 05" E	80 m
Mahanoro			
Mahavelona (see also: Foulpointe)		17° 41' 00" S 49° 31' 00" E	0 m
Maintirano, 42 km NE (see Andrafiavelo)		17° 46' 00" S 44° 13' 00" E	75 m
Majunga (see Mahajanga)		15° 43' 00" S 46° 19' 03" E	124 m
Mamakibetro forest (see Forêt de Mamakibetro)	ca.	18° 27' 13" S 44° 42' 57" E	
Mamitantely (see Manantantely)		24° 59' 00" S 46° 55' 00" E	175 m
Manafiafy, 2 - 3 km NW (see Sainte-Luce Forest (1))		24° 47' 00" S 47° 12' 00" E	20 m
Manafiafy, 4 km SSE (see Sainte-Luce Forest (2))		24° 49' 00" S 47° 10' 00" E	20 m
Manahy, 0.75 km SW (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Manamabato (see Manambato)		24° 31' 00" S 47° 16' 00" E	25 m
Manambaro, 5 - km SE (see Petriky Forest)		25° 04' 01" S 46° 52' 59" E	20 m
Manambato (see also: Manamabato)		24° 31' 00" S 47° 16' 00" E	25 m
Manambolo Forest (see Forêt de Manambolo)	ca.	22° 08' 58" S 47° 01' 25" E	
Mananara	ca.	24° 43' 00" S 47° 05' 00" E	
Mananaro			
Mananjary			
Manantanely Forest, 8 - 12 km WNW Tolagnaro (see also: Tolagnaro, 8 - 12 km WNW)		24° 59' 00" S 46° 54' 00" E	60 m
Manantantely (see also: Mamitantely)		24° 59' 00" S 46° 55' 00" E	175 m
Manantantely, falls, 5.2 km NW Tolagnaro (see also: Cascade de Manantantely, Tolagnaro, 5.2 km NW)		24° 59' 21" S 46° 55' 22" E	65 m
Manantenina		24° 17' 00" S 47° 19' 00" E	2 m
Manantenina, 14 km N by road, On road to Mararoy		24° 10' 01" S 47° 21' 00" E	
Manantenina, 6 km N (see Analalava Forest)		24° 12' 00" S 47° 16' 00" E	ca. 20 m
Mandena Forest		24° 58' 01" S 47° 01' 59" E	20 m
Mandritsara, N of, 274 km E Mahajanga (see also: Mahajanga, 274 km E)		15° 49' 00" S 48° 49' 00" E	
Mandromondromotra River (see Tolanaro, 13 km NE)		25° 01' 00" S 47° 00' 00" E	
Maninday, 220 km NE Tulear (see also: Tulear, 220 km NE)		22° 47' 00" S 44° 48' 00" E	604 m
Maninday, near	ca.	22° 47' 00" S 44° 48' 00" E	457 m
Manjakatompo			
Manjakatompo (see Manjakatompo-Firaisana)		19° 20' 00" S 47° 26' 00" E	1552 m
Manjakatompo-Firaisana (see also: Manjakatompo, Mongakatompo, Monjakatompo)		19° 20' 00" S 47° 26' 00" E	1552 m
Mantadia National Park (see Parc National de Mantadia), between PK 9 and PK 10		18° 48' 56" S 48° 25' 38" E	
Marasohy Forest, 15 km WNW Ranomafana, near Tsitongatona River		24° 34' 01" S 46° 48' 00" E	350 m
Marine cave, between Sarodrano and Saint-Augustin, 20 km S Tuléar (see also: Tuléar, 20 km S)			
Maroantsetra		15° 26' 00" S 49° 44' 00" E	170 m
Maroantsétra, 2 days NE			
Maroantsetra, 20 km SW (see Ambodi Mangy)		15° 34' 00" S 49° 36' 00" E	
Maroantsetra, 40 km NW (see also: Bevato, 40 km NW)	ca.	15° 17' 00" S 49° 34' 00" E	400 m
Maroantsetra, near	ca.	15° 26' 00" S 49° 44' 00" E	
Maroantsetra, NW of	ca.	15° 26' 00" S 49° 44' 00" E	
Marofandilia		20° 04' 03" S 44° 39' 29" E	
Marojejy Nature Reserve (see Tahiry Nanaharin' i Marojezy)		14° 22' 18" S 49° 43' 30" E	
Maromandia (see also: Grotte de Maromandia, Maromandia cave)		14° 13' 00" S 48° 05' 00" E	95 m
Maromandia cave (see Maromandia)		14° 13' 00" S 48° 05' 00" E	95 m
Maromandia, NW	ca.	14° 13' 00" S 48° 05' 00" E	95 m
Maromandia, NW of	ca.	14° 13' 00" S 48° 05' 00" E	
Marondavenoka, cave, 9.4 km N Tolagnaro, near the village of Enato (see also: Grotte de Marondavenoka, Tolagnaro, 9.4 km N)		24° 53' 26" S 46° 59' 14" E	110 m
Maroroy, 5.0 km N (by road)	ca.	24° 09' 00" S 47° 20' 00" E	
Maroroy, ca 9.2 km N (by road) (see Marovony Forest)		24° 08' 00" S 47° 22' 00" E	50 m
Marovatanana			

Marovaza		14° 56' 48" S 47° 16' 29" E	5 m
Marovaza, 4.2 km SE (cave)		14° 57' 58" S 47° 18' 29" E	40 m
Marovoay		16° 06' 00" S 46° 38' 00" E	82 m
Marovoay, ca 40 km S (see Ampijoroa)	ca.	16° 18' 00" S 46° 49' 00" E	
Marovony Forest (see also: Forêt de Marovony)		24° 04' 00" S 47° 20' 00" E	30 m
Marovony Forest, ca 9.2 km N (by road) Maroroy (see also: Maroroy, ca 9.2 km N (by road))		24° 08' 00" S 47° 22' 00" E	50 m
Mashamasina, 10 km NW (see Antsironandoha Cave, west)		12° 53' 20" S 49° 05' 51" E	100 m
Masindary (see Imasindrary)		20° 17' 00" S 47° 31' 00" E	
Matsaborimadio, at edge of, 10.5 km NE Ambondromifehy, Andavaka Matsaborimadio (see also: Ambondromifehy, 10.5 km NE)		12° 48' 38" S 49° 15' 15" E	290 m
Matsaborimanga, near, Antsiranana, 60 km S; Ankarana, N of (see also: Antsiranana, 60 km S)		12° 54' 00" S 49° 07' 00" E	
Mavatanana (see Maevatanana)		16° 57' 00" S 46° 50' 00" E	133 m
Mehajebi forest (see Forêt de Mehajebi)	ca.	18° 15' 27" S 45° 25' 42" E	
Menagisy, 3.6 km SE (see Bazaribe, cave)		12° 42' 44" S 49° 28' 25" E	90 m
Meratanana			
Mevatanana (see Maevatanana)		16° 57' 00" S 46° 50' 00" E	133 m
Miandrivazo		19° 31' 00" S 45° 28' 00" E	151 m
Miari, Between Soua-haze and Soua-hané [sic]			
Miary			
Mikea Forest (1) (see Forêt des Mikea (1))		22° 30' 00" S 43° 23' 00" E	15 m
Mikea forest (3) (see Forêt des Mikea (3))	ca.	22° 13' 56" S 43° 21' 50" E	
Mistinjo, Forests east of Fianarantsoa			
Mitaho cave, near (see Grotte de Mitaho, près)		24° 02' 50" S 43° 45' 09" E	
Mongakatompo (see Manjakatompo-Firaisana)		19° 20' 00" S 47° 26' 00" E	1552 m
Monjakatompo (see Manjakatompo-Firaisana)		19° 20' 00" S 47° 26' 00" E	1552 m
Montagne d'Ambre (Parc National) (see Ambohitra, 6 km S), 6 km S Joffreville		12° 37' 00" S 49° 09' 00" E	1000 m
Montagne des Français (see Tendrombohitr' Antsingy)		12° 22' 20" S 49° 21' 59" E	
Montagne des Francis (see Tendrombohitr' Antsingy)		12° 22' 20" S 49° 21' 59" E	
Moramanga		18° 56' 00" S 48° 12' 00" E	909 m
Moramanga, E side	ca.	18° 56' 00" S 48° 12' 00" E	
Morondava		20° 17' 00" S 44° 17' 00" E	1 m
Mount Ambre (see Ambohitra, 6 km S), 6 km S Joffreville		12° 37' 00" S 49° 09' 00" E	1000 m
Mount Ambre National Park (see Parc National de la Montagne d'Ambre), 5.5 km SW Joffreville [=Ambohitra]		12° 31' 00" S 49° 10' 00" E	1000 m
Mozambique Channel at N end of St. Augustin Bay		23° 36' 00" S 43° 39' 00" E	
Mpasibola, Center-East Madagascar			
Nahampoana (see Ampasy Nahampoana)		24° 58' 00" S 46° 59' 00" E	63 m
Nahampoana Forest (see Ampasy Nahampoana Forest)	ca.	24° 58' 00" S 46° 59' 00" E	
Namoroka (see also: Ambohimirija caves, Causse de Namoroka, Grottes d'Ambohimirija)		16° 24' 00" S 45° 17' 00" E	80 m
Namoroka Nature Reserve (see Tsingy de Namoroka, Réserve Naturelle), Soalala, S		16° 28' 00" S 45° 20' 00" E	
Nandihizana, 30 km E Tananarive (see also: Antananarivo, 30 km E, Carion, Tananarive, 30 km E)		18° 54' 00" S 47° 43' 00" E	915 m
near… St		23° 22' 00" S 43° 42' 00" E	
North-west coast			
Nosi Be island (see Nossi Be island)		13° 20' 00" S 48° 15' 00" E	
Nosibé island (see Nossi Be island)		13° 20' 00" S 48° 15' 00" E	
Nossi Be island (see also: Nosi Be island, Nosibé island, Nosy Be Island)		13° 20' 00" S 48° 15' 00" E	
Nossi Tany Kely (see Nosy Tanikely island)		13° 28' 59" S 48° 14' 12" E	
Nossi-Be (see Nosy Be Island)		13° 20' 00" S 48° 15' 00" E	
Nosy Be Island (see Nossi Be island) (see also: Nossi-Be)		13° 20' 00" S 48° 15' 00" E	
Nosy Be, Centre ORSTOM	ca.	13° 24' 00" S 48° 16' 00" E	
Nosy Tanikely island (see also: Nossi Tany Kely)		13° 28' 59" S 48° 14' 12" E	
NW Madagascar			
Palace Rock (see Ambohijoky)		19° 03' 00" S 47° 29' 00" E	1340 m
Parc National d' Ankarafatsika (see Ankarafatsika National Park)			
Parc National d'Ankarana (see Ankarana National Park)		12° 56' 31" S 49° 03' 18" E	
Parc National de Bemaraha (see Bemaraha National Park)		18° 45' 00" S 44° 50' 00" E	

Parc National de Kirindy-Mitea (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Parc National de la Montagne d'Ambre, 5.5 km SW Joffreville [=Ambohitra] (see also: Ambohitra, 5.5 km SW, Ambre mountain National Park, Joffreville, 5.5 km SW, Mount Ambre National Park)		12° 31' 00" S 49° 10' 00" E	1000 m
Parc National de Mantadia, between PK 9 and PK 10 (see also: Mantadia National Park)		18° 48' 56" S 48° 25' 38" E	
Parc National de Tsimanampetsotsa (see Tsimanampetsotsa Nature Reserve)		24° 07' 00" S 43° 45' 00" E	
Parc National de Zombitse-Vhibasia (see Zombitse-Vhibasia National Park)		22° 50' 31" S 44° 40' 47" E	
Parc National d'Isalo (see Isalo National Park)		22° 27' 52" S 45° 15' 43" E	
Périnet (see Andasibe), E of Moramanga, Analamazaotra forest (see also: Périnet Railway Station)		18° 56' 00" S 48° 25' 00" E	
Périnet Railway Station (see Périnet)		18° 56' 00" S 48° 25' 00" E	
Périnet, 1 mi [=1.6 km] S	ca.	18° 56' 00" S 48° 25' 00" E	914 m
Périnet, 20 km SW (see Ambodiriana)		19° 01' 00" S 48° 21' 00" E	
Périnet, 3 km E	ca.	18° 56' 00" S 48° 25' 00" E	
Périnet, 30 km NE (see Junok)		18° 48' 00" S 48° 40' 00" E	975 m
Périnet, 5 km S	ca.	18° 56' 00" S 48° 25' 00" E	
Périnet, 8 km S	ca.	18° 56' 00" S 48° 25' 00" E	914 m
Petriky Forest, 5 - 7 km SE Manambaro (see also: Manambaro, 5 - km SE)		25° 04' 01" S 46° 52' 59" E	20 m
PK 9 and PK 10, between		18° 48' 56" S 48° 25' 38" E	
Pointe à la Fièvre (see also: Fièvre Point, Pointe de la Fièvre)		13° 25' 00" S 48° 18' 00" E	
Pointe de la Fièvre (see Pointe à la Fièvre)		13° 25' 00" S 48° 18' 00" E	
Pointe Itapera (see Itapera, Pointe)		24° 54' 00" S 47° 08' 00" E	10 m
Pointe Itaperina (see Itapera, Pointe)		24° 54' 00" S 47° 08' 00" E	10 m
Pointe Sarodrano		13° 16' 34" S 48° 12' 25" E	
Port de Faux Cap (see Betanty)		25° 34' 00" S 45° 31' 00" E	34 m
Poste Forestier de Farankaraina, Mahalevona, 7.5 km SW		15° 25' 42" S 49° 50' 43" E	50 m
Rakotoniaine, on RN8 between Soalala and Vilanandro	ca.	16° 18' 00" S 45° 23' 00" E	
Ramara			
Ranobe		23° 00' 34" S 43° 36' 34" E	
Ranohira	ca.	22° 30' 00" S 45° 24' 00" E	ca. 775 m
Ranohira bas, 2 km W (see Canyon des Singes)	ca.	22° 30' 00" S 45° 24' 00" E	
Ranohira, 10.5 km SW (see Hotel Jardin du Roi)	ca.	22° 38' 44" S 45° 19' 08" E	
Ranohira, 3.8 km NW, along Namaza river	ca.	22° 32' 24" S 45° 22' 48" E	
Ranohira, 7.8 - 8 km N, just outside Parc National d'Isalo, along Menamaty River, on RN7		22° 29' 08" S 45° 23' 30" E	700 m
Ranomafana, 15 km WNW (see Ranomafana, 15 km WNW), near Tsitongatona River (see also: Ranomafana, 15 km WNW)		24° 34' 01" S 46° 48' 00" E	
Ranomafana, ca 7 km (by road) W (see Ambodiamontana)		21° 16' 01" S 47° 25' 59" E	
Ranopiso, 20 km WNW (see Itaranta)		25° 01' 00" S 46° 29' 00" E	67 m
Ranopiso, 20 km WNW and Amboasary, 12 km ENE (see Itaranta River, near)		25° 05' 00" S 46° 28' 00" E	40 m
Ranopiso, ca 21 km NW (see Ankapoky)		24° 59' 00" S 46° 30' 00" E	50 m
Réserve Naturelle de l' Ankarafantsika (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga		16° 09' 00" S 47° 02' 00" E	
Réserve Naturelle de Marojejy (see Tahiry Nanaharin' i Marojezy)		14° 22' 18" S 49° 43' 30" E	
Réserve Naturelle de Namoroka (see Tsingy de Namoroka, Réserve Naturelle), Soalala, S		16° 28' 00" S 45° 20' 00" E	
Réserve Naturelle de Tsigny de Namoroka (see Tsingy de Namoroka, Réserve Naturelle)		16° 28' 00" S 45° 20' 00" E	
Réserve Spéciale d'Ambohitantely (see also: Ambohitantely Special Reserve)		18° 10' 00" S 47° 17' 00" E	
Réserve Spéciale d'Analamerana (see Analamerana Special Reserve)		12° 44' 00" S 49° 32' 00" E	
Réserve Spéciale d'Ankarana (see Ankarana National Park)		12° 56' 31" S 49° 03' 18" E	
Réserve Spéciale de la Kirindy (see Tahiry Manokan' i Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Rodo valley, Ankarana, N		12° 05' 00" S 49° 05' 00" E	
Rogez		18° 48' 00" S 48° 37' 00" E	359 m
Rogez, near (see also: Sainte Augustin, Tulear, 17 mi [=27 km] S)	ca.	18° 48' 00" S 48° 37' 00" E	

Sahafina		22° 14' 00" S 47° 29' 00" E	
Sahamalaza			
Sahamananina (see Imasindrary)			
Sahanalaotra falls, near (see Cascade Sahanalaotra, near), just outside PN de Ranomafana		21° 14' 15" S 47° 23' 52" E	1100 m
Sahanfa River, along	ca.	22° 18' 42" S 45° 17' 45" E	
Saint Vincent Cape (see Tanjona Ankaboa)		21° 52' 00" S 43° 20' 00" E	
Saint-Augustin (see Ianantsony)		23° 33' 00" S 43° 46' 00" E	125 m
Saint-Augustin caves (see also: Grottes de Saint-Augustin)		23° 33' 00" S 43° 46' 00" E	125 m
Saint-Augustin, 0.75 km E (see Grotte de Tanambao)		23° 32' 56" S 43° 46' 03" E	10 m
Sainte Augustin (see Rogez, near)		23° 33' 00" S 43° 46' 00" E	125 m
Sainte Marie		16° 08' 00" S 46° 58' 00" E	147 m
Sainte-Luce Forest (1), 2 - 3 km NW Manafiafy (see also: Manafiafy, 2 - 3 km NW)		24° 47' 00" S 47° 12' 00" E	20 m
Sainte-Luce Forest (2), 2 - 3 km NW Manafiafy (see also: Manafiafy, 4 km SSE)		24° 49' 00" S 47° 10' 00" E	20 m
Saka-Ivondro? (see High Fanjahira, valley)			
Sakaleo River (see Sakaleona River)		20° 34' 50" S 48° 31' 47" E	
Sakaleona River (see also: Sakaleo River, Sakaleony River)		20° 34' 50" S 48° 31' 47" E	
Sakaleony River (see Sakaleona River)		20° 34' 50" S 48° 31' 47" E	
Sakana		17° 18' 00" S 49° 02' 00" E	436 m
Sakaraha (see also: Sakaray)		22° 54' 00" S 44° 32' 00" E	468 m
Sakaraha subprefecture			
Sakaray (see Sakaraha)		22° 54' 00" S 44° 32' 00" E	468 m
Sakhraha, sous-préfecture			
Sakoandrano cave (see also: Grotte de Sakoandrano)			
Sambirano River, lower, Ambanja		13° 43' 00" S 48° 20' 00" E	
Sarodrano		23° 30' 37" S 43° 44' 07" E	0 m
Sarodrano cave (see also: Grotte de Sarodrano, Grotte de Sarondrana, Sarondrana cave)		23° 30' 37" S 43° 44' 07" E	
Sarodrano, 3.7 km SSE (see Grotte d'Ambanilia)		23° 32' 24" S 43° 46' 01" E	
Sarondrana cave (see Sarodrano cave)		23° 30' 37" S 43° 44' 07" E	
Sept Lacs		23° 31' 15" S 44° 08' 35" E	ca. 110 m
Sianaka Forest		18° 25' 21" S 48° 47' 59" E	
Siribihina river		19° 00' 00" S 46° 00' 00" E	100 m
Soalala		16° 06' 00" S 45° 19' 00" E	0 m
Sosumau (see Ankarana)		13° 05' 00" S 48° 55' 00" E	94 m
Sosumav (see Ankarana)		13° 05' 00" S 48° 55' 00" E	94 m
Sosumaville (see Ankarana)		13° 05' 00" S 48° 55' 00" E	94 m
Southern Tanatarive			
St. Augustin, 0.75 km E (see Grotte de Tanambao)		23° 32' 56" S 43° 46' 03" E	10 m
Stambelo (see Itaombelo)	ca.	21° 48' 00" S 47° 15' 00" E	
Station des Roussettes (see Les Roussettes)		12° 31' 37" S 49° 10' 19" E	1000 m
Station Forestière d'Antsampandrano, 26 km SE Faratsiho (see also: Antsampandrano forestry station, Faratsiho, 26 km SE)		19° 36' 43" S 47° 03' 46" E	1850 m
Tabulayi to Ankazoabo	ca.	23° 30' 00" S 44° 30' 00" E	
Tahiry Manokan' i Kirindy (see also: Forêt de Kirindy, Kirindy forest (CNFEREF), Kirindy Mitea National Park, Manahy, 0.75 km SW, Parc National de Kirindy-Mitea, Réserve Spéciale de la Kirindy)		20° 52' 04" S 43° 54' 27" E	5 m
Tahiry Nanaharin' i Marojezy (see also: Marojejy Nature Reserve, Réserve Naturelle de Marojejy)		14° 22' 18" S 49° 43' 30" E	
Tahiry Nanaharin' Ankarafantsika, 97 km SE Mahajanga (see also: Ankarafantsika forest, Ankarafantsika Natural Reserve, Mahajanga, 97 km SE, Réserve Naturelle de l' Ankarafantsika)		16° 09' 00" S 47° 02' 00" E	
Taluky or Tahiky, West of Ankazoabo			
Tamatave (see Toamasina)		18° 10' 00" S 49° 23' 00" E	22 m
TamatPC:TM|)			
Tamatave, N of (see Toamasina, N of)	ca.	18° 10' 00" S 49° 23' 00" E	
Tampina		18° 30' 00" S 49° 16' 00" E	25 m
Tampolo forest (see Forêt de Tampolo)	ca.	17° 19' 20" S 49° 20' 02" E	
Tana (see Antananarivo)		18° 55' 00" S 47° 31' 00" E	1288 m
Tanala			
Tanambao cave (see Grotte de Tanambao), 0.75 km E St Augustin		23° 32' 56" S 43° 46' 03" E	10 m
Tananarive (see Antananarivo)		18° 55' 00" S 47° 31' 00" E	1288 m

Tananarive, 17 km S (see Ambohijoky)		19° 03' 00" S 47° 29' 00" E	1340 m
Tananarive, 30 km E (see Nandihizana)		18° 54' 00" S 47° 43' 00" E	915 m
Tananarive, near	ca.	18° 55' 00" S 47° 31' 00" E	
Tananarivo		18° 55' 00" S 47° 31' 00" E	1300 m
Tanjona Andefitra (see Tanjona Ankaboa)		21° 52' 00" S 43° 20' 00" E	
Tanjona Ankaboa (see also: Cap Saint Vincent, Cape Saint Vincent, Saint Vincent Cape, Tanjona Andefitra)		21° 52' 00" S 43° 20' 00" E	
Tanjona Ankaboa, near (see also: Cape Saint Vincent, near)	ca.	21° 52' 00" S 43° 20' 00" E	
Tanosy or Monotane forestry station, 8 km NE Fort-Dauphin (see also: Fort-Dauphin, 8 km NE, Tolanaro, 8 km NE)		24° 58' 40" S 47° 00' 00" E	
Taolanara (see Tolanaro)		25° 02' 00" S 47° 00' 00" E	0 m
Tapera, Lohatanjona (see Itapera, Pointe)		24° 54' 00" S 47° 08' 00" E	10 m
Tendrombohitr' Antsingy (see also: Montagne des Français, Montagne des Francis)		12° 22' 20" S 49° 21' 59" E	
Tisihombe (see Tsiombe)		25° 18' 00" S 45° 29' 00" E	63 m
Toamasina (see also: Tamatave)		18° 10' 00" S 49° 23' 00" E	22 m
Toamasina province (see also: Tamatave province |PC:TM|)			
Toamasina, N of (see also: Tamatave, N of)	ca.	18° 10' 00" S 49° 23' 00" E	
Toamasina, near	ca.	18° 10' 00" S 49° 23' 00" E	
Tôlagnaro		25° 02' 00" S 47° 00' 00" E	0 m
Tolagnaro, 2 km WNW		25° 01' 01" S 46° 58' 59" E	20 m
Tolagnaro, 5.2 km NW (see Manantantely, falls)		24° 59' 21" S 46° 55' 22" E	65 m
Tolagnaro, 7 km NNW (see Ampasy Nahampoana)		24° 58' 00" S 46° 59' 00" E	63 m
Tolagnaro, 8 - 12 km WNW (see Manantanely Forest)		24° 59' 00" S 46° 54' 00" E	
Tolagnaro, 9.4 km N (see Marondavenoka, cave), near the village of Enato		24° 53' 26" S 46° 59' 14" E	110 m
Tolagnaro, ca. 21 km NW (see Itapera Forest)		24° 52' 00" S 47° 07' 00" E	
Tolagnaro, ca. 21 km NW (see Itapera, Pointe)		24° 54' 00" S 47° 08' 00" E	10 m
Tôla?aro (see Tolanaro)		25° 02' 00" S 47° 00' 00" E	20 m
Tolanaro (see also: Faradofay, Fort-Dauphin, Taolanara, Tôla?aro, Tolanaro)		25° 02' 00" S 47° 00' 00" E	20 m
Tolanaro (see Tolanaro)		25° 02' 00" S 47° 00' 00" E	0 m
Tolanaro, 13 km NE (see also: Fort-Dauphin, 13 km NE, Fort-Dauphin, 16 km NE, Mandromondromotra River)		25° 01' 00" S 47° 00' 00" E	
Tolanaro, 16 km NE		25° 01' 00" S 47° 00' 00" E	
Tolanaro, 32 km NE (see also: Fort-Dauphin, 32 km NE)		25° 02' 00" S 47° 00' 00" E	
Tolanaro, 72 km N (see Bemangidy)		24° 24' 00" S 47° 00' 00" E	
Tolanaro, 8 km NE (see Tanosy or Monotane forestry station)		24° 58' 40" S 47° 00' 00" E	
Tolanaro, near	ca.	25° 02' 00" S 47° 00' 00" E	
Toleara, 220 km NE (see Ilakaka, E of)		22° 41' 00" S 45° 13' 00" E	769 m
Toliara (see also: Toliary, Tuléar, Tullear)		23° 21' 00" S 43° 40' 00" E	20 m
Toliara province (see also: Toliary province |PC:TL|, Tulear province |PC:TL|)			
Toliara, E of	ca.	23° 21' 00" S 43° 40' 00" E	
Toliary (see Toliara)		23° 21' 00" S 43° 40' 00" E	20 m
ToliaPC:TL|)			
Tombamnoanjo			1725 m
Tranoroa, on the Menarandra River		24° 42' 00" S 45° 04' 00" E	223 m
Tsaratanana		16° 46' 00" S 47° 40' 00" E	
Tsiandra (see Tsiandro)		18° 44' 00" S 44° 54' 00" E	477 m
Tsiandro (see also: Tsiandra)		18° 44' 00" S 44° 54' 00" E	477 m
Tsifota, 7.5 km NE (see Forêt des Mikea (2))		22° 46' 42" S 43° 31' 24" E	80 m
Tsihombe (see Tsiombe)		25° 18' 00" S 45° 29' 00" E	63 m
Tsimafana		19° 43' 25" S 44° 35' 04" E	
Tsimanampetsotsa Nature Reserve (see also: Parc National de Tsimanampetsotsa)		24° 07' 00" S 43° 45' 00" E	
Tsimanampetsotsa, lake (see also: Farihy Tsimanampetsotsa, Lac Tsimanampetsotsa)		24° 07' 00" S 43° 45' 00" E	
Tsimbazaza, lake (see also: Lac Tsimbazaza)		18° 55' 00" S 47° 31' 00" E	

Tsimilafo		24° 58' 00" S 45° 10' 00" E	210 m
Tsimilofo		24° 58' 00" S 45° 10' 00" E	210 m
Tsingy de Bemaraha, Reserve Naturelle de (see Bemaraha National Park)		18° 45' 00" S 44° 50' 00" E	
Tsingy de Namoroka, Réserve Naturelle, Soalala, S (see also: Namoroka Nature Reserve, Réserve Naturelle de Namoroka, Réserve Naturelle de Tsigny de Namoroka)		16° 28' 00" S 45° 20' 00" E	
Tsinjoarivo, 10 km SE		19° 40' 42" S 47° 46' 12" E	1550 m
Tsinjomitondraka (see Anjohibe Cave), NCC-1 deposit		15° 32' 33" S 46° 53' 10" E	100 m
Tsiombe (see also: Tisihombe, Tsihombe, Tsiombe-Androy)		25° 18' 00" S 45° 29' 00" E	63 m
Tsiombe-Androy (see Tsiombe)		25° 18' 00" S 45° 29' 00" E	63 m
Tsiribihina River		19° 53' 00" S 44° 26' 57" E	
Tsiroanomandidy			
Tuléar (see Toliara)		23° 21' 00" S 43° 40' 00" E	20 m
Tuléar airport		23° 23' 00" S 43° 43' 00" E	
TuleaPC:TL|)			
Tulear region	ca.	23° 21' 00" S 43° 40' 00" E	
Tulear, 17 mi [=27 km] S (see Rogez, near)		23° 33' 00" S 43° 46' 00" E	125 m
Tuléar, 20 km S (see Marine cave, between Sarodrano and Saint-Augustin)			
Tuléar, 220 km NE (see Ilakaka, E of)		22° 41' 00" S 45° 13' 00" E	769 m
Tulear, 220 km NE (see Maninday)		22° 47' 00" S 44° 48' 00" E	604 m
Tulear, 80 km E			
Tullear (see Toliara)		23° 21' 00" S 43° 40' 00" E	20 m
unnamed cave (see Ambatofinandrahana, 3 km S), 3 km S Ambatofinandrahana		20° 34' 20" S 46° 48' 32" E	1450 m
Vatovavy, 9 km ESE Kianjavato (see also: Kianjavato, 9 km ESE)		21° 24' 00" S 47° 57' 00" E	150 m
Vinanitelo		21° 43' 00" S 47° 16' 00" E	
Vinanitelo, 15 km SW		21° 26' 00" S 47° 37' 00" E	492 m
Vinanitelo, 21 km SW (see Ambohimanana)		21° 26' 00" S 48° 05' 00" E	44 m
Vintane cave, 4.1 km SE Itampolo (see also: Grotte de Vintane, Itampolo, 4.1 km SE, Vintani)		24° 42' 08" S 43° 57' 49" E	
Vintani (see Vintane cave)		24° 42' 08" S 43° 57' 49" E	
Vohemar (airfield)		13° 22' 00" S 50° 00' 00" E	
Vohibinany (see Ampasimanolotra)		18° 49' 00" S 49° 04' 00" E	3 m
Vohibinany district (see Ampasimanolotra district)	ca.	18° 49' 04" S 49° 04' 21" E	
Vohiposa		20° 59' 46" S 47° 09' 42" E	
Vondrozo, cave N of		22° 49' 00" S 47° 17' 00" E	
Vondrozo, near	ca.	22° 49' 00" S 47° 17' 00" E	
West Coast			
Western Madagascar			
Zazafotsy		22° 12' 20" S 46° 21' 40" E	
Zombitse-Vhibasia National Park (see also: Parc National de Zombitse-Vhibasia)		22° 50' 31" S 44° 40' 47" E	
Zombitsy forest (see also: Forêt de Zombitsy, Zombitsy, Alan'i)		22° 47' 00" S 44° 42' 00" E	
Zombitsy, Alan'i (see Zombitsy forest)		22° 47' 00" S 44° 42' 00" E	

Madeira (Portugal):

Funchal		32° 39' 23" N 16° 54' 28" W	
Madeira (Portugal)		32° 44' 00" N 17° 00' 00" W	
Madeira Island		32° 44' 00" N 17° 00' 00" W	

Malawi:

Administration Camp		12° 55' 00" S 33° 07' 00" E	1000 m
Balaka district	ca.	15° 00' 00" S 35° 00' 00" E	
Balaka, 20 km N (on road to Salima)	ca.	14° 51' 22" S 34° 52' 26" E	
Bangula swamp, 4 km SW Chiromo (see also: Chiromo, 4 km SW)		16° 35' 00" S 35° 07' 00" E	
Bangweolo and Lake Nyasa, between			
Bat Mountain (see Mbalame, mountain)		14° 09' 00" S 33° 53' 00" E	
Blantyre (see also: Kapeni)		15° 47' 00" S 35° 00' 00" E	1065 m
Blantyre and Zomba, between	ca.	15° 31' 00" S 35° 12' 00" E	
Blantyre district			
Bua Camp, Guard houses		12° 49' 00" S 34° 10' 00" E	600 m
Camp Chikwawa (see also: Chikwawa camp)		16° 13' 00" S 34° 44' 00" E	

Cape Maclear		14° 01' 00" S 34° 51' 00" E	562 m
Central (former) region			
Chagwa dam		15° 21' 00" S 35° 20' 00" E	
Chelinda		10° 35' 00" S 33° 48' 00" E	2300 m
(see also: Chilinda Camp)			
Chikwawa		16° 03' 00" S 34° 48' 00" E	94 m
Chikwawa camp (see Camp Chikwawa)		16° 13' 00" S 34° 44' 00" E	
Chikwawa district			
Chileka		15° 41' 00" S 34° 56' 00" E	
Chilinda Camp (see Chelinda)		10° 35' 00" S 33° 48' 00" E	2300 m
Chilinda dam		10° 35' 18" S 33° 48' 40" E	
Chilinda dam 2, below		10° 34' 50" S 33° 48' 29" E	
Chimombi (see Nsanje), District HQ		16° 55' 00" S 35° 16' 00" E	14 m
Chimpeni Estate (see Chipeni Farm), Old Farmhouse		15° 24' 00" S 35° 25' 00" E	750 m
Chimpini Farm (see Mpyupyu Prison Farm)		15° 22' 00" S 35° 27' 00" E	717 m
Chinguni Resthouse		15° 02' 00" S 35° 16' 00" E	
Chingwe's Hole		15° 20' 00" S 35° 16' 00" E	1800 m
Chinteche (see Chintheche)		11° 50' 00" S 34° 10' 00" E	482 m
Chintechi (see Chintheche)		11° 50' 00" S 34° 10' 00" E	482 m
Chinteji (see Chintheche)		11° 50' 00" S 34° 10' 00" E	482 m
Chintheche		11° 50' 00" S 34° 10' 00" E	482 m
(see also: Chinteche, Chintechi, Chinteji)			
Chinunka, 1.6 km SE		9° 39' 28" S 33° 22' 32" E	1210 m
Chipanzi			
Chipata Camp		13° 04' 00" S 33° 55' 00" E	1350 m
(see also: Chipata Hill)			
Chipata Hill (see Chipata Camp)		13° 04' 00" S 33° 55' 00" E	1350 m
Chipeni Farm		15° 24' 00" S 35° 25' 00" E	750 m
(see also: Chimpeni Estate)			
Chipita (see Chitipa)		9° 43' 00" S 33° 16' 00" E	1242 m
Chiradzulu district			
Chiromo, confluence of Ruo and Shire rivers, Nsanje		16° 33' 00" S 35° 08' 00" E	42 m
Chiromo, 4 km SW (see Bangula swamp)		16° 35' 00" S 35° 07' 00" E	
Chiromo, mount	ca.	16° 32' 00" S 35° 09' 00" E	200 ft
(see also: Mount Chiromo)			
Chitala		13° 40' 00" S 34° 16' 00" E	608 m
(see also: Chitale)			
Chitala River		13° 35' 39" S 34° 26' 23" E	1900 ft
Chitale (see Chitala)		13° 40' 00" S 34° 16' 00" E	608 m
Chitipa		9° 43' 00" S 33° 16' 00" E	1242 m
(see also: Chipita, Chitipa Township, Fort Hill)			
Chitipa district			
Chitipa Township (see Chitipa)		9° 43' 00" S 33° 16' 00" E	1242 m
Cholo (see Thyolo), on Ruo River		16° 04' 00" S 35° 08' 00" E	905 m
Cholo, mount (see Thyolo, mount)		16° 05' 00" S 35° 09' 00" E	4000 ft
Chongoni Forest Reserve		14° 18' 07" S 34° 13' 22" E	
Dedza district		14° 15' 46" S 34° 11' 08" E	
Domwe island			
Dowa district			
Dzalanyama Forest Reserve, Rest House		14° 15' 00" S 33° 25' 00" E	
Fort Hill (see Chitipa)		9° 43' 00" S 33° 16' 00" E	1242 m
Fort Johns(ton), 5 mi [=8 km] below (see Ufudu village)	ca.	14° 28' 00" S 35° 16' 00" E	
Fort Johnston (see Mangochi), District HQ		14° 28' 00" S 35° 16' 00" E	469 m
Golden Sands Camp, Cape Maclear; on N side of Domwe Island		13° 58' 05" S 34° 49' 15" E	480 m
Headquaters		15° 03' 00" S 35° 15' 00" E	
Ibanda, Mtambo village		9° 43' 32" S 33° 24' 27" E	
Jailosi Nyondo banana plantation		9° 35' 00" S 33° 14' 00" E	
Kabango village banana plantation		14° 46' 00" S 34° 38' 00" E	
Kafikisira village		9° 56' 00" S 33° 53' 00" E	
Kalimbuka		15° 23' 00" S 35° 19' 00" E	
Kamisa banana plantation, near Chitipa, Vilyaga village		9° 42' 00" S 33° 17' 00" E	
(see also: Kamisa, Vilyaga village)			
Kamisa, Vilyaga village (see Kamisa banana plantation), near Chitipa		9° 42' 00" S 33° 17' 00" E	
Kapalasa Farm, 3 km N Namadzi village		15° 31' 00" S 35° 11' 00" E	1000 m
Kapeni (see Blantyre)		15° 47' 00" S 35° 00' 00" E	1065 m
Kapina Estates		15° 31' 12" S 35° 10' 48" E	
Kapino dam, Kapina Estates		15° 31' 00" S 35° 11' 00" E	1000 m
Karonga		9° 56' 00" S 33° 56' 00" E	477 m
(see also: Karonga Beach)			
Karonga Beach (see Karonga)		9° 56' 00" S 33° 56' 00" E	477 m
Karonga district			
Karonga, 10 km W, Between Lupaso and Mwawemba, on road to Chitipa		9° 57' 01" S 33° 50' 12" E	1000 m
Kasungu district			

Kasungu Game Reserve (see Kasungu National Park)		12° 55' 00" S 33° 07' 00" E	1000 m
Kasungu National Park		12° 55' 00" S 33° 07' 00" E	1000 m
(see also: Kasungu Game Reserve)			
Kaulime, lake (see Lake Kaulime)		10° 34' 38" S 33° 45' 35" E	2350 m
Kausi, Lake Malombe	ca.	14° 38' 00" S 35° 15' 00" E	
Kondowe (see Livingstonia)		10° 36' 22" S 34° 06' 23" E	1276 m
Kota Kota (see Nkhotakota), W Lake Nyasa		12° 55' 00" S 34° 18' 00" E	471 m
KotaPC:NK|)	ca.	12° 48' 15" S 34° 04' 59" E	
Kota-Kota (see Nkhotakota)		12° 55' 00" S 34° 18' 00" E	471 m
Kwitunji Camp		14° 12' 11" S 35° 22' 32" E	
Lake Kaulime		10° 34' 38" S 33° 45' 35" E	2350 m
(see also: Kaulime, lake)			
Lake Malawi (see Nyasa, lake)		12° 00' 00" S 34° 30' 00" E	1500 ft
Lake Nyasa (see Nyasa, lake)		12° 00' 00" S 34° 30' 00" E	1500 ft
Lengwe Game Reserve (see Lengwe National Park)		16° 15' 00" S 34° 45' 00" E	
Lengwe National Park		16° 15' 00" S 34° 45' 00" E	
(see also: Lengwe Game Reserve)			
Lifupa Camp		13° 03' 00" S 33° 09' 00" E	1050 m
(see also: Lifupa Game Camp)			
Lifupa Game Camp (see Lifupa Camp)		13° 03' 00" S 33° 09' 00" E	1050 m
Likabula (see Likabula Tea Factory)		15° 58' 00" S 35° 29' 00" E	760 m
Likabula mission		15° 57' 00" S 35° 24' 00" E	
Likabula river		16° 01' 00" S 34° 47' 00" E	1200 m
Likabula Tea Factory		15° 58' 00" S 35° 29' 00" E	760 m
(see also: Likabula, Likhubula Camp)			
Likhubula Camp (see Likabula Tea Factory)		15° 58' 00" S 35° 29' 00" E	760 m
Likhubula Camp, 1.5 km E		15° 56' 17" S 35° 30' 50" E	1090 m
Likoma district			
Likwenu river		15° 01' 00" S 35° 14' 00" E	
Lilongwe		13° 59' 00" S 33° 47' 00" E	1024 m
Lilongwe district			
Lilongwe, 50 km E on Salima Road	ca.	13° 46' 17" S 34° 00' 27" E	
Lingadzi River Valley		13° 00' 00" S 33° 09' 00" E	1050 m
Lisanthu		13° 00' 00" S 33° 10' 00" E	1000 m
Lisanthu, 15 mi [=24 km] NE, rocky outcrop		12° 53' 00" S 33° 03' 00" E	ca. 1100 m
Livingstonia		10° 36' 22" S 34° 06' 23" E	1276 m
(see also: Kondowe, Livingstonia Mission)			
Livingstonia Beach (hotel)		13° 43' 00" S 34° 37' 00" E	480 m
Livingstonia Mission (see Livingstonia)		10° 36' 22" S 34° 06' 23" E	1276 m
Liwonde		15° 04' 00" S 35° 13' 00" E	507 m
(see also: Old Liwonde Boma)			
Liwonde Forest Reserve		14° 52' 00" S 35° 21' 00" E	700 m
(see also: Liwonde National Park)			
Liwonde National Park (see Liwonde Forest Reserve)		14° 52' 00" S 35° 21' 00" E	700 m
Liwonde National Park, Headquarters		15° 02' 18" S 35° 15' 16" E	
Lujeri Tea Estate, Mulanje Forest Res, edge Lujeri Tea Estate, next to Ruo River		15° 57' 42" S 35° 39' 15" E	1000 m
Lumenda, near Lengwe National Park		16° 18' 00" S 34° 40' 00" E	
(see also: Lumenda village)			
Lumenda village (see Lumenda)		16° 18' 00" S 34° 40' 00" E	
Lusumbwe (see Monkey Bay)		14° 05' 00" S 34° 55' 00" E	496 m
Luwawa Dam		12° 07' 00" S 33° 44' 00" E	1700 m
Luzi banana plantation, near Rumphi?		11° 49' 00" S 34° 02' 00" E	
Machinga district			
Madzeka hut	ca.	15° 55' 00" S 35° 40' 00" E	
Magombe and Satemwa Tea Estates (see Thyolo, mount)		16° 05' 00" S 35° 09' 00" E	
Malawi			
Malawi, lake (see Nyasa, lake)		12° 00' 00" S 34° 30' 00" E	1500 ft
Malema (Camp)		10° 01' 39" S 33° 56' 50" E	
Malosa		15° 12' 00" S 35° 20' 00" E	900 m
Mandala		15° 47' 00" S 34° 59' 00" E	997 m
Mangoche (see Mangochi), District HQ		14° 28' 00" S 35° 16' 00" E	469 m
Mangochi, District HQ		14° 28' 00" S 35° 16' 00" E	469 m
(see also: Fort Johnston, Mangoche, Mponda)			
Mangochi district			
Mangochi Hill		14° 28' 00" S 35° 29' 00" E	
(see also: Mangochi mountatin)			
Mangochi mountatin (see Mangochi Hill)		14° 28' 00" S 35° 29' 00" E	
Mangochi, 5 mi [=8 km] below (see Ufudu village)	ca.	14° 28' 00" S 35° 16' 00" E	
Manyowa Hill			
(see also: Mitsidi)			
Matipa-Wilindi Ridge	ca.	9° 39' 00" S 33° 26' 00" E	
Mbalame, mountain, S of Lilongwe		14° 09' 00" S 33° 53' 00" E	
(see also: Bat Mountain)			
Mbirima banana plantation, near Chitipa		9° 31' 00" S 33° 10' 00" E	
Mchinji distict			

Misuku Hills		9° 40' 00" S 33° 33' 00" E	
Misuku Mission		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
(see also: Misuku-Mughese Mission, Mzedi Mission and School)			
Misuku-Mughese Mission (see Misuku Mission)		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
Mitondo		16° 17' 00" S 35° 04' 00" E	317 m
(see also: Mtondo)			
Mitsidi (see Manyowa Hill)			
MkhotPC:NK|)	ca.	12° 48' 15" S 34° 04' 59" E	
(see also: Ampijoara Forest)			
Mlange (see Mulanje), District HQ		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje (see Mulanje), District HQ		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje Boima (see Mulanje), District HQ		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje Mountain (see Mulanje mountains)		15° 58' 00" S 35° 38' 00" E	4000 ft
Mlanje Plateau (see Mulanje mountains)		15° 58' 00" S 35° 38' 00" E	4000 ft
Mondwe Valley		10° 24' 00" S 33° 50' 00" E	1700 m
Monkey Bay		14° 05' 00" S 34° 55' 00" E	496 m
(see also: Lusumbwe)			
Monkey Bay, 4 - 5 km from, on road from Monkey Bay to Mtakataka	ca.	14° 07' 00" S 34° 53' 00" E	
Mount Chiromo (see Chiromo, mount)	ca.	16° 32' 00" S 35° 09' 00" E	200 ft
Mount Mulanje (see Mulanje, mount)		15° 55' 12" S 35° 40' 12" E	1200 m
Mount Thyolo (see Thyolo, mount), Magombe and Satemwa Tea Estates		16° 05' 00" S 35° 09' 00" E	
Mpalanganga Dam		15° 27' 00" S 35° 15' 00" E	1100 m
Mpalanganga Estate		15° 27' 00" S 35° 14' 00" E	
Mpherere Mission (see Visanza Mission), near Ndaja		13° 22' 10" S 33° 55' 21" E	
Mponda (see Mangochi), District HQ		14° 28' 00" S 35° 16' 00" E	469 m
Mpyupyu Prison Farm, 12 km E Zomba		15° 22' 00" S 35° 27' 00" E	717 m
(see also: Chimpini Farm)			
Mtondo (see Mitondo)		16° 17' 00" S 35° 04' 00" E	317 m
Mugesse Hill		9° 39' 00" S 33° 33' 00" E	1500 m
Mughese Forest		9° 39' 18" S 33° 32' 19" E	1625 m
Mulanje, District HQ		16° 02' 00" S 35° 30' 00" E	644 m
(see also: Mlange, Mlanje, Mlanje Boima)			
Mulanje and Blantyre, road between	ca.	15° 52' 35" S 35° 15' 52" E	
Mulanje district			
Mulanje Mountain Conservation Trust (MMCT) office, base of moutain	ca.	15° 55' 00" S 35° 40' 00" E	650 m
Mulanje mountains		15° 58' 00" S 35° 38' 00" E	4000 ft
(see also: Mlanje Mountain, Mlanje Plateau, Mulanje Plateau)			
Mulanje Plateau (see Mulanje mountains)		15° 58' 00" S 35° 38' 00" E	4000 ft
Mulanje, mount		15° 55' 12" S 35° 40' 12" E	1200 m
(see also: Mount Mulanje)			
Mulanje-Chitakali	ca.	16° 02' 00" S 35° 30' 00" E	
Mulunguzi Dam		15° 22' 00" S 35° 19' 00" E	
(see also: Trout Ponds)			
Mulunguzi Road, 10		15° 23' 00" S 35° 20' 00" E	900 m
Muona Mission		16° 25' 00" S 35° 10' 00" E	100 m
Mvaza Marsh Game Park, Tented camp		10° 53' 00" S 33° 27' 00" E	
Mvuu Camp		14° 51' 04" S 35° 17' 43" E	480 m
Mwabvi Rest Camp		16° 39' 23" S 35° 03' 06" E	
Mwakalukwa banana plantation, Misuku hills, near Chitipa		9° 40' 00" S 33° 35' 00" E	
Mwalingo		9° 40' 12" S 33° 31' 58" E	1460 m
Mwamyesya banana plantation		9° 56' 00" S 33° 48' 00" E	
Mwandwanga banana plantation		9° 55' 00" S 33° 52' 00" E	
Mwanza district			
Mwaya, lake Nyasa		12° 28' 00" S 33° 43' 00" E	1228 m
Mwenekapoka banana plantation, near Chitipa		9° 46' 00" S 33° 29' 00" E	
Mwenyama village, near Mangochi		14° 29' 00" S 35° 16' 00" E	
Mzedi Mission and School (see Misuku Mission)		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
Mzimba district			
Mzokoto banana plantation		11° 51' 00" S 34° 00' 00" E	
Namadzi village, 3 km N		15° 38' 00" S 35° 10' 00" E	1027 m
Namaso		14° 10' 00" S 34° 59' 00" E	522 m
(see also: Namazo Bay)			
Namazo Bay (see Namaso)		14° 10' 00" S 34° 59' 00" E	522 m
Namizimu Forest Reserve		14° 11' 20" S 35° 22' 49" E	
Nchalo		16° 16' 00" S 34° 55' 00" E	52 m
Ncheu (see Ntcheu), district HQ		14° 49' 00" S 34° 38' 00" E	1081 m
Nchisi Forest Reserve (see Ntchisi Forest Reserve)		13° 19' 00" S 34° 03' 00" E	
Nchisi, mount		13° 22' 00" S 34° 01' 00" E	4500 ft
Neno district			
Nganda, E slope of mount		10° 27' 00" S 33° 52' 00" E	2300 m
Nitcheu (see Ntcheu), district HQ		14° 49' 00" S 34° 38' 00" E	1081 m

Nkata (see Nkhata Bay), Doctors house		11° 36' 00" S 34° 18' 00" E	471 m
Nkata Bay (see Nkhata Bay), Doctors house		11° 36' 00" S 34° 18' 00" E	471 m
Nkhata Bay, Doctors house		11° 36' 00" S 34° 18' 00" E	471 m
(see also: Nkata, Nkata Bay, Nkhota Bay)			
Nkhata Bay district			
Nkhota Bay (see Nkhata Bay)		11° 36' 00" S 34° 18' 00" E	471 m
Nkhotakota		12° 55' 00" S 34° 18' 00" E	471 m
(see also: Kota Kota, Kota-Kota, Nkhota-Kota)			
Nkhota-Kota (see Nkhotakota)		12° 55' 00" S 34° 18' 00" E	471 m
Nkhotakota district	ca.	12° 48' 15" S 34° 04' 59" E	
(see also: Kota Kota district |PC:NK|, Mkhotakota district |PC:NK|)			
Nkhotakota Game Reserve		13° 04' 12" S 33° 55' 48" E	
Nkhotakota GR		13° 04' 12" S 33° 55' 48" E	
Northern (former) region			
Nsanje, District HQ		16° 55' 00" S 35° 16' 00" E	14 m
(see also: Chimombi, Port Herald)			
Nsanje district			
Ntcheu, district HQ		14° 49' 00" S 34° 38' 00" E	1081 m
(see also: Ncheu, Nitcheu)			
Ntcheu district			
Ntchisi district			
Ntchisi Forest Guesthouse (see Ntchisi Forestry Resthouse)		13° 23' 00" S 34° 00' 00" E	1500 m
Ntchisi Forest Reserve		13° 19' 00" S 34° 03' 00" E	
(see also: Nchisi Forest Reserve)			
Ntchisi Forestry Resthouse		13° 23' 00" S 34° 00' 00" E	1500 m
(see also: Ntchisi Forest Guesthouse)			
Ntchisi, mount		13° 22' 00" S 34° 01' 00" E	4500 ft
Ntondwe (see Thondwe)		15° 30' 00" S 35° 27' 00" E	678 m
Ntondwe Market (see Thondwe)		15° 30' 00" S 35° 27' 00" E	678 m
Nyasa			
Nyasa, lake		12° 00' 00" S 34° 30' 00" E	1500 m
(see also: Lake Malawi, Lake Nyasa, Malawi, lake)			
Nyika National Park			
Nyika-Jallawe valley			
Old Liwonde Boma (see Liwonde)		15° 04' 00" S 35° 13' 00" E	507 m
Phalombe district			
Port Herald (see Nsanje), District HQ		16° 55' 00" S 35° 16' 00" E	14 m
Rumphi		11° 01' 10" S 33° 51' 17" E	1276 m
(see also: Rumpi, Rumpi Boma)			
Rumphi district			
Rumpi (see Rumphi)		11° 01' 10" S 33° 51' 17" E	1276 m
Rumpi Boma (see Rumphi)		11° 01' 10" S 33° 51' 17" E	1276 m
Rwosho River			
Salima district			
Salima-Senga Bay		13° 43' 00" S 34° 38' 00" E	475 m
Shire river, upper		16° 00' 00" S 35° 00' 00" E	
Somba		14° 39' 00" S 35° 32' 00" E	844 m
South of Lake Nyassa, left bank of Zambezi River	ca.	17° 07' 00" S 35° 06' 00" E	
Southern (former) region			
Sucoma, Nchalo		16° 14' 00" S 34° 53' 00" E	
Sunnyside Suburb		15° 48' 00" S 35° 00' 00" E	1088 m
Tembuka		14° 28' 00" S 35° 16' 00" E	
Thondwe		15° 30' 00" S 35° 27' 00" E	678 m
(see also: Ntondwe, Ntondwe Market)			
Thyolo, on Ruo River		16° 04' 00" S 35° 08' 00" E	905 m
(see also: Cholo)			
Thyolo district			
Thyolo, mount, Magombe and Satemwa Tea Estates		16° 05' 00" S 35° 09' 00" E	4000 ft
(see also: Cholo, mount, Magombe and Satemwa Tea Estates, Mount Thyolo)			
Tinyade Estate		15° 51' 34" S 35° 35' 25" E	815 m
Tourist Camp, 3 km W, near pool along link road		16° 14' 00" S 34° 35' 00" E	
Trout Ponds (see Mulunguzi Dam)		15° 22' 00" S 35° 19' 00" E	
Ufudu village, 5 mi [=8 km] below Fort Johns(ton)	ca.	14° 28' 00" S 35° 16' 00" E	
(see also: Fort Johns(ton), 5 mi [=8 km] below, Mangochi, 5 mi [=8 km] below)			
Upper Shire River		16° 00' 47" S 35° 04' 37" E	
Viphya Plateau		12° 22' 48" S 33° 42' 00" E	
Visanza Mission, near Ndaja		13° 22' 10" S 33° 55' 21" E	
(see also: Mpherere Mission)			
Vitanda		12° 57' 00" S 33° 10' 00" E	1000 m
Wilindi Forest		9° 42' 00" S 33° 29' 00" E	1900 m
Zoa Estate (see Zoa Tea Estate)		16° 07' 48" S 35° 06' 00" E	

Zoa Tea Estate		16° 14' 00" S 35° 12' 00" E	800 m
(see also: Zoa Estate)			
Zomba		15° 23' 00" S 35° 20' 00" E	848 m
(see also: Zomba town)			
Zomba district			
Zomba Plateau, Shire highlands		15° 22' 00" S 35° 19' 00" E	5000 ft
Zomba plateau, foot of, Zomba, 4 km N		15° 20' 00" S 35° 18' 00" E	
Zomba town (see Zomba)		15° 23' 00" S 35° 20' 00" E	848 m
Zovo Chipolo Forest		10° 34' 51" S 33° 42' 46" E	2230 m

Mali:

Adrar (see Adrar des Ifôghas)		20° 00' 00" N 2° 00' 00" E	
Adrar des Ifôghas		20° 00' 00" N 2° 00' 00" E	
(see also: Adrar, Adrar des Iforas, Adrar des Iforhas, Adrar des Iforras)			
Adrar des Iforas (see Adrar des Ifôghas)		20° 00' 00" N 2° 00' 00" E	
Adrar des Iforhas (see Adrar des Ifôghas)		20° 00' 00" N 2° 00' 00" E	
Adrar des Iforras (see Adrar des Ifôghas)		20° 00' 00" N 2° 00' 00" E	
Badalabougou		12° 37' 25" N 7° 59' 02" W	311 m
(see also: Badalabougou, quarter, Quartier de Badalabougou)			
Badalabougou, quarter (see Badalabougou)		12° 37' 25" N 7° 59' 02" W	311 m
Ballassientu, Between Kati and Kita	ca.	12° 25' 00" N 7° 30' 00" W	
Bamako		12° 39' 00" N 8° 00' 00" W	349 m
(see also: Bamaku, Bammaco, Bammako)			
Bamako district			
Bamako, 15 km E		12° 41' 12" N 7° 51' 50" W	331 m
Bamako, 7 km E (see Sotouba)		12° 39' 48" N 7° 54' 50" W	328 m
Bamako, near	ca.	12° 39' 00" N 8° 00' 00" W	349 m
Bamaku (see Bamako)		12° 39' 00" N 8° 00' 00" W	349 m
Bammaco (see Bamako)		12° 39' 00" N 8° 00' 00" W	349 m
Bammako (see Bamako)		12° 39' 00" N 8° 00' 00" W	349 m
Bourem			
Bourèm		16° 21' 50" N 3° 20' 18" W	
Danfina (see Samaya)		12° 32' 58" N 8° 03' 19" W	299 m
Dialagou		14° 32' 02" N 4° 07' 57" W	271 m
Djenné		13° 54' 16" N 4° 33' 36" W	273 m
(see also: Djenne, Djénne)			
Djenne (see Djenné)		13° 54' 16" N 4° 33' 36" W	273 m
Djénne (see Djenné)		13° 54' 16" N 4° 33' 36" W	273 m
Dogon country	ca.	13° 40' 53" N 3° 37' 04" W	
Falea		12° 15' 51" N 11° 16' 38" W	459 m
Gao region			
Grotte de Ticufales ou Tieufola (see Ticufales or Tieufola cave)	ca.	12° 39' 00" N 8° 00' 00" W	
Ibdakane valley (see Ibdekkene valley), 30 km N Kidal	ca.	18° 45' 00" N 1° 25' 00" E	
Ibdekène valley (see Ibdekkene valley), 30 km N Kidal	ca.	18° 45' 00" N 1° 25' 00" E	
Ibdekkene valley	ca.	18° 45' 00" N 1° 25' 00" E	
(see also: Ibdakane valley, Ibdekène valley, Kidal, 30 km N, Oued Ibdeken, Oued Ibdekken, Vallée de l'Ibdekène)			
Kayes region			
Kenieba circle			
Kidal region			
Kidal, 30 km N (see Ibdekkene valley)	ca.	18° 45' 00" N 1° 25' 00" E	
Koulikoro region			
Mali			
Mandingues Mountains Reserve	ca.	12° 30' 32" N 8° 39' 20" W	
Maribabougou, 15 km E Bamako		12° 41' 12" N 7° 51' 50" W	331 m
Ménaka		15° 55' 06" N 2° 24' 08" E	
Ménaka region			
Mopti, on Niger river		14° 30' 00" N 4° 12' 00" W	275 m
Mopti region			
Moribabougou, 15 km E Bamako		12° 41' 12" N 7° 51' 50" W	331 m
Niono		14° 15' 09" N 5° 59' 35" W	263 m
Oued Ibdeken (see Ibdekkene valley), 30 km N Kidal	ca.	18° 45' 00" N 1° 25' 00" E	
Oued Ibdekken (see Ibdekkene valley), 30 km N Kidal	ca.	18° 45' 00" N 1° 25' 00" E	
Quartier de Badalabougou (see Badalabougou)		12° 37' 25" N 7° 59' 02" W	311 m
Réserve des monts Mandingues (see Kik plateau cave)	ca.	12° 30' 32" N 8° 39' 20" W	
Samaya		12° 32' 58" N 8° 03' 19" W	299 m
(see also: Danfina)			
Samayé, on banks of Niger		14° 00' 00" N 4° 44' 00" W	267 m
Ségou region			
Selangor			

Sélingué		11° 37' 00" N 8° 14' 00" W	322 m
Sikasso region			
Sotouba, 7 km E Bamako		12° 39' 48" N 7° 54' 50" W	328 m
(see also: Bamako, 7 km E, Sotuba)			
Sotuba (see Sotouba), 7 km E Bamako		12° 39' 48" N 7° 54' 50" W	328 m
Taoudénit region			
Ticufales or Tieufola cave	ca.	12° 39' 00" N 8° 00' 00" W	
(see also: Grotte de Ticufales ou Tieufola)			
Timboctú (see Tombouctou)		16° 46' 00" N 3° 01' 00" W	261 m
Timbuctoo (see Tombouctou)		16° 46' 00" N 3° 01' 00" W	261 m
Timbuctú (see Tombouctou)		16° 46' 00" N 3° 01' 00" W	261 m
Timbuktu (see Tombouctou)		16° 46' 00" N 3° 01' 00" W	261 m
Timbuktu region			
(see also: Tombouctou region |PC:TT|)			
Toguéré-Coumbé (see Toguéré-Koumbé)		14° 55' 01" N 4° 35' 41" W	268 m
Toguéré-Koumbé		14° 55' 01" N 4° 35' 41" W	268 m
(see also: Toguéré-Coumbé)			
Tombouctou		16° 46' 00" N 3° 01' 00" W	261 m
(see also: Timboctú, Timbuctoo, Timbuctú, Timbuktu, Tombutu)			
TomboPC:TT|)			
Tombutu (see Tombouctou)		16° 46' 00" N 3° 01' 00" W	261 m
Vallée de l'Ibdekène (see Ibdekkene valley)	ca.	18° 45' 00" N 1° 25' 00" E	

Malta:

Malta			

Mauritania:

Adrar region			
Akjoujt		19° 45' 00" N 14° 23' 00" W	141 m
(see also: Akjout, Fort Repoux, Magrein Copper Mine)			
Akjout (see Akjoujt)		19° 45' 00" N 14° 23' 00" W	141 m
Aleg Post Office		17° 02' 53" N 13° 55' 15" W	43 m
Aleg, 3 km S		17° 02' 00" N 13° 55' 00" W	
Assaba region			
Atâr		20° 25' 38" N 13° 03' 54" W	270 m
Bat Cave	ca.	19° 45' 00" N 14° 25' 00" W	
(see also: Grotte aux Chauves-souris)			
Boghé, 8 km N (see Bogué, 8 km N)		16° 39' 00" N 14° 16' 59" W	
Bogué Dow, 8 km N (see Bogué, 8 km N)		16° 39' 00" N 14° 16' 59" W	
Bogué, 8 km N		16° 39' 00" N 14° 16' 59" W	
(see also: Boghé, 8 km N, Bogué Dow, 8 km N)			
Boutilimit		17° 32' 48" N 14° 41' 40" W	50 m
(see also: Boutillmit)			
Boutillmit (see Boutilimit)		17° 32' 48" N 14° 41' 40" W	50 m
Brakna region			
Dakhlet Nouadhibou region			
Dar-el-Salam			
Fort Repoux (see Akjoujt)		19° 45' 00" N 14° 23' 00" W	141 m
Garak		16° 33' 00" N 15° 46' 00" W	45 m
Gorgol region			
Grotte aux Chauves-souris (see Bat Cave)	ca.	19° 45' 00" N 14° 25' 00" W	
Guelb Moghrein, near Akjout	ca.	19° 45' 00" N 14° 25' 00" W	
Guidimake region			
Hodh ech Chargui region			
Hodh el Gharbi region			
Inchiri region			
Kaédi, W edge		16° 08' 55" N 13° 30' 58" W	20 m
Lac Mamoudé (see Ma?moûdé, lake)		16° 22' 01" N 7° 41' 45" W	
Magrein Copper Mine (see Akjoujt)		19° 45' 00" N 14° 23' 00" W	141 m
Mahmouda, lake (see Ma?moûdé, lake)		16° 22' 01" N 7° 41' 45" W	
Ma?moûdé, lake		16° 22' 01" N 7° 41' 45" W	
(see also: Lac Mamoudé, Mahmouda, lake, Mamoudé, lake)			
Mamoudé, lake (see Ma?moûdé, lake)		16° 22' 01" N 7° 41' 45" W	
Mauritania			
Mauritanian Sahara			
Moudjéria (fortress)		17° 52' 25" N 12° 19' 54" W	151 m
Nouakchat (see Nouakchott)		18° 07' 10" N 16° 02' 26" W	0 m
Nouakchot (see Nouakchott)		18° 07' 10" N 16° 02' 26" W	0 m
Nouakchott		18° 07' 10" N 16° 02' 26" W	0 m
(see also: Nouakchat, Nouakchot)			

Nouakchott Nord region			
Nouakchott Ouest region			
Nouakchott Sud region			
Passe de Soufa		15° 56' 14" N 12° 01' 19" W	
Roco (see Rosso)		16° 30' 37" N 15° 48' 32" W	45 m
Rosso		16° 30' 37" N 15° 48' 32" W	45 m
(see also: Roco)			
Tagant region			
Terjit		20° 14' 48" N 13° 05' 13" W	418 m
Tiguent		17° 14' 25" N 16° 05' 16" W	20 m
Tiris Zemmour region			
Touareg Sahara			
Trarza region			

Mauritius:

Agalega Islands dependency			
Black river district			
Camp Thorel Cave		20° 12' 56" S 57° 37' 14" E	310 m
Cargados Carajos depencency			
Cascade (River)	ca.	19° 44' 00" S 63° 28' 00" E	
Cascavelle, along Papayes river/ Rivière du Rempart		20° 17' 43" S 57° 25' 09" E	
Caverne Trois Bras (see Trois Bras cave)		20° 01' 26" S 57° 38' 00" E	45 m
Fayence Moutain, northern slope		20° 23' 21" S 57° 40' 40" E	
Flacq district			
Grand Port district			
Kanaka Bat Cave		20° 24' 46" S 57° 31' 20" E	450 m
La Ronde (see Round island)		19° 50' 53" S 57° 46' 51" E	
Le Reduit, ravines	ca.	20° 13' 00" S 57° 29' 00" E	
Majastre			
Majastri			
Mare au Songes		20° 26' 31" S 57° 42' 06" E	
(see also: Mare aux Songes)			
Mare aux Songes (see Mare au Songes)		20° 26' 31" S 57° 42' 06" E	
Mauritius			
Mauritius, 15 mi [=24 km] NE (see Round island)		19° 50' 53" S 57° 46' 51" E	
Moka district			
Palma cave		20° 16' 40" S 57° 27' 14" E	
Pamplemousses district			
Petite Case Royale		20° 24' 03" S 57° 23' 00" E	
Plaines Wilhelms district			
Port Louis		20° 09' 43" S 57° 29' 56" E	125 m
(see also: Port Louis Town)			
Port Louis district			
Port Louis Town (see Port Louis)		20° 09' 43" S 57° 29' 56" E	125 m
Riche en Eau		20° 23' 17" S 57° 39' 15" E	
Rivière du Rempart district			
Roches Noires, 3.0 km W (see Twilight cave)		20° 07' 03" S 57° 42' 10" E	30 m
Rodrigues (see Rodrigues Island (region))		19° 42' 00" S 63° 25' 00" E	
Rodrigues Island (region)		19° 42' 00" S 63° 25' 00" E	
(see also: Rodrigues)			
Rond Islet (see Round island)		19° 50' 53" S 57° 46' 51" E	
Ronde Ile (see Round island)		19° 50' 53" S 57° 46' 51" E	
Rose Hill		20° 14' 31" S 57° 28' 12" E	
Round island		19° 50' 53" S 57° 46' 51" E	
(see also: La Ronde, Mauritius, 15 mi [=24 km] NE, Rond Islet, Ronde Ile)			
Savanne district			
Senneville		20° 30' 04" S 57° 33' 00" E	151 m
Trois Bras cave, edge of Mountain vent		20° 01' 26" S 57° 38' 00" E	45 m
(see also: Caverne Trois Bras)			
Twilight cave, 3.0 km W Roches Noires		20° 07' 03" S 57° 42' 10" E	30 m
(see also: Roches Noires, 3.0 km W)			

Mayotte:

Bandraboua canton	ca.	12° 42' 08" S 45° 07' 43" E	
Bouyouni		12° 44' 19" S 45° 08' 27" E	10 m
Coconi		12° 49' 55" S 45° 08' 13" E	90 m
Koungou		12° 43' 59" S 45° 09' 44" E	10 m
Longoni		12° 44' 00" S 45° 10' 00" E	10 m
Maore Island (Fr.) (see Mayotte Island (Fr.))			
Mayotte (see Mayotte Island (Fr.))		12° 50' 00" S 45° 09' 00" E	
Mayotte Island (Fr.)			
(see also: Maore Island (Fr.), Mayotte)			

Ouangani canton	ca.	12° 50' 54" S 45° 08' 20" E	
Poroani		12° 53' 37" S 45° 08' 33" E	10 m
Sada canton	ca.	12° 51' 05" S 45° 05' 58" E	

Morocco:

Abila (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Abyla (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Afenourir, lake (see Afnourir, lake)		33° 17' 00" N 5° 15' 00" W	
Afnourir, lake, 26 km S Azrou		33° 17' 00" N 5° 15' 00" W	
(see also: Afenourir, lake, Azrou, 26 km S, Lac Afenourir, Lac Afnourir)			
Agadir, 30 km NW (see Tiguerte cave)	ca.	30° 38' 00" N 9° 50' 00" W	
Agadir, 52 km SE (see Bou Akden mine)			
Agadir-Ida-Tanane prefecture			
Aïn Chhief (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Aïn Chkef, 6 km S Fès; Junto Camping		33° 57' 48" N 5° 01' 11" W	508 m
(see also: Aïn Chhief, Ain Chkef, Ain Chqef, Aïn-Chkeff, Douar Ain Chkef, Fès, 6 km S)			
Ain Chkef (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Ain Chqef (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Aïn Leuh		33° 17' 17" N 5° 20' 14" W	
Aïn Taforalt (see Taforhalt)		34° 48' 36" N 2° 24' 00" W	911 m
Aïn-Chkeff (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Ait Ouarzazate (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Aït Ouarzazate (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Aït-Ali, ca. 5 km N (see Gorges du Dadès)		31° 31' 00" N 5° 56' 00" W	1750 m
Akhmas (see El Akhmas tribal area)	ca.	35° 04' 45" N 5° 19' 43" W	
Akka		28° 36' 00" N 9° 25' 00" W	
Al 'Ara'ish (see Larache)		35° 11' 24" N 6° 09' 00" W	55 m
Al Haouz prefecture			
Al Hoceïma		35° 14' 24" N 3° 55' 48" W	153 m
(see also: Al Huceima, Al ?usaymat, Alhacemas, Alhucemas, Villa Alhucemas, Villa Sanjurjo)			
Al Hoceima prefecture			
Al Hoceïma, 9 km SE		35° 12' 00" N 3° 52' 59" W	
Al Huceima (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Al ?usaymat (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Alhacemas (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Alhucemas (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Anagam (see Foum Anagame), Oued Draâ		30° 07' 48" N 5° 37' 48" W	
Anoual		32° 39' 36" N 3° 06' 00" W	1188 m
Aoufous, Tafilatt		31° 41' 20" N 4° 10' 40" W	881 m
(see also: Aoufouss, Centre d'Aoufous)			
Aoufouss (see Aoufous), Tafilatt		31° 41' 20" N 4° 10' 40" W	881 m
Aousserd prefecture			
Ar Rashidiyah prefecture (see Errachidia prefecture)			
As Suwayrah (see Essaouira)		31° 30' 47" N 9° 46' 11" W	11 m
Asni, 2 km N		31° 15' 00" N 8° 00' 00" W	
Assa		28° 36' 00" N 9° 25' 12" W	294 m
(see also: Zaouia Assa)			
Assa-Zag prefecture			
Atlas Rifain (see Er Rif)		35° 00' 00" N 4° 00' 00" W	
Aux environs de Tata (see Tata, near)	ca.	29° 45' 00" N 7° 59' 00" W	
Azigza cave (see Kef Azigza cave)		32° 02' 00" N 3° 47' 00" W	1060 m
Azilal prefecture			
Azrou		34° 31' 14" N 4° 20' 41" W	1039 m
Azrou, 26 km S (see Afnourir, lake)		33° 17' 00" N 5° 15' 00" W	
Bab Bou Idir, near Taza		34° 04' 09" N 4° 07' 14" W	
Bakrit (see Bekrit)		33° 04' 48" N 5° 12' 36" W	1793 m
Bekrit		33° 04' 48" N 5° 12' 36" W	1793 m
(see also: Bakrit, Bekrite, Berkit)			
Bekrite (see Bekrit)		33° 04' 48" N 5° 12' 36" W	1793 m
Ben Slimane prefecture			
Béni Mellal prefecture			
Béni Mellal-Khénifra region			
Berkán (see Berkane)		34° 55' 16" N 2° 19' 46" W	179 m
Berkane		34° 55' 16" N 2° 19' 46" W	179 m
(see also: Berkán, Berkawe)			
Berkane prefecture			
Berkawe (see Berkane)		34° 55' 16" N 2° 19' 46" W	179 m
Berkit (see Bekrit)		33° 04' 48" N 5° 12' 36" W	1793 m
Bir Regaga, Kef Aïssa, 12 km W Imouzzer du Kandar	ca.	33° 45' 00" N 5° 05' 00" W	
(see also: Imouzzer du Kandar, 12 km W)			

Bou Akden mine, 52 km SE Agadir (see also: Agadir, 52 km SE)			
Bou Izakaren (see Bou Izakarn)		29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarene (see Bou Izakarn)		29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarn (see also: Bou Izakaren, Bou Izakarene, Bou Izakarne, Bu Isacarn)		29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarne (see Bou Izakarn)		29° 09' 36" N 9° 43' 48" W	617 m
Boudman, near Chefchaouen	ca.	35° 10' 00" N 5° 16' 00" W	
Boujdour prefecture			
Boulemane prefecture			
Bu Isacarn (see Bou Izakarn)		29° 09' 36" N 9° 43' 48" W	617 m
Camel cave, valley, near Berkane, Zegzel plateau (see also: Grotte des chameaux)	ca.	34° 45' 00" N 2° 20' 00" W	1155 m
Camp d'Aïn Tafouralt (see Taforhalt)		34° 48' 36" N 2° 24' 00" W	911 m
Caotina, 5 km NW Chefchaouen (see also: Chefchaouen, 5 km NW, Fomento, Puente de Fomento, Puento Fomento)		35° 11' 44" N 5° 18' 32" W	508 m
Casablanca prefecture			
Casablanca-Settat region			
Cascades Bou Mazouz, 10 km NW Taourirt	ca.	34° 27' 58" N 2° 58' 51" W	
Centre d'Aoufous (see Aoufous), Tafilatt		31° 41' 20" N 4° 10' 40" W	881 m
Chaouèn (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Chaouen prefecture (see Chechaouen prefecture)			
Chaouia - Ouardigha (former) region			
Chauen (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Chechaouèn (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Chechaouen prefecture (see also: Chaouen prefecture, Chefchaouen province)			
Chechaouene (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Chefchaouen province (see Chechaouen prefecture)			
Chefchaouen, 5 km E (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Chefchaouen, 5 km NW (see Caotina)		35° 11' 44" N 5° 18' 32" W	508 m
Chefchaouen, 6 km SW (see Derdara)		35° 06' 37" N 5° 17' 25" W	381 m
Chefchaouen, 8 km from (see Laachaich)		35° 10' 00" N 5° 16' 00" W	
Chefchaoune, Rif (see also: Chaouèn, Chauen, Chechaouèn, Chechaouene, Chichaouene, Ech Chaouene, Scheschauen, Ville de Chechaouèn, Xauen, Xexauen)		35° 10' 17" N 5° 16' 11" W	564 m
Chichaoua, Rif (see also: Chichaua, Mzala Chichaoua)		31° 32' 40" N 8° 45' 58" W	322 m
Chichaoua prefecture			
Chichaoua, 20 km S, Rif	ca.	31° 30' 00" N 8° 47' 00" W	
Chichaouene (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Chichaua (see Chichaoua), Rif		31° 32' 40" N 8° 45' 58" W	322 m
Chtouka-Ait Bana prefecture			
Cuevas d'Hércules (see Grottes d'Hercule)		35° 45' 21" N 5° 56' 16" W	
Dakhla-Oued Ed-Daha region			
Dardara (see Derdara)		35° 06' 37" N 5° 17' 25" W	381 m
Dcheira, lower Sousse Valley		30° 53' 00" N 9° 32' 00" W	
Dcheïra, near Inezgane, lower Sousse valley		30° 22' 00" N 9° 32' 00" W	12 m
Defilia oasis		32° 09' 36" N 1° 22' 48" W	958 m
Derdara, 6 km SW of Chefchaouen (see also: Chefchaouen, 6 km SW, Dardara)		35° 06' 37" N 5° 17' 25" W	381 m
Djebel Moussa (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Douar Ain Chkef (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Doukkala - Abda (former) region			
Drâa-Tafilalet region			
Duea Seglaon (see Oued Siglone)	ca.	35° 10' 00" N 5° 16' 00" W	
Ech Chaouene (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
El Aaraich (see Larache)		35° 11' 24" N 6° 09' 00" W	55 m
El Ajmas (see El Akhmas tribal area)	ca.	35° 04' 45" N 5° 19' 43" W	
El Akhmas tribal area (see also: Akhmas , El Ajmas, El Jamas, El-Amas)	ca.	35° 04' 45" N 5° 19' 43" W	
El Hajeb prefecture			
El Jadida prefecture			
El Jamas (see El Akhmas tribal area)	ca.	35° 04' 45" N 5° 19' 43" W	
El Kelaâ des Sraghna prefecture			
El Kelaa n'Tazarine (see Tazarine)		33° 52' 48" N 4° 10' 48" W	1395 m
El Rif (see Er Rif)		35° 00' 00" N 4° 00' 00" W	
El-Amas (see El Akhmas tribal area)	ca.	35° 04' 45" N 5° 19' 43" W	
Er Rachidia prefecture (see Errachidia prefecture)			

Er Rif		35° 00' 00" N 4° 00' 00" W	
(see also: Atlas Rifain, El Rif, Er Riff, Rif, Riff)			
Er Riff (see Er Rif)		35° 00' 00" N 4° 00' 00" W	
Erg Merzouga, sandy desert		31° 04' 16" N 3° 59' 01" W	
(see also: Merzouga dunes)			
Errachidia prefecture			
(see also: Ar Rashidiyah prefecture, Er Rachidia prefecture, Ksar es Souk prefecture, Ksar-es-Suk prefecture, Rachidia prefecture, Tafilalt prefecture)			
Es Suira (see Essaouira)		31° 30' 47" N 9° 46' 11" W	11 m
Essaouira		31° 30' 47" N 9° 46' 11" W	11 m
(see also: As Suwayrah, Es Suira, Magador, Mogadar, Mogador)			
Essaouira prefecture			
Es-Semara prefecture			
Fahs Anjra prefecture			
Fès - Boulemane (former) region			
Fès prefecture			
Fès, 6 km S (see Aïn Chkef)		33° 57' 48" N 5° 01' 11" W	508 m
Fès-Meknès region			
Figuig		32° 07' 00" N 1° 13' 37" W	878 m
(see also: Figuiq)			
Figuig prefecture			
Figuiq (see Figuig)		32° 07' 00" N 1° 13' 37" W	878 m
Fomento (see Caotina)		35° 11' 44" N 5° 18' 32" W	508 m
Foum Anagame		30° 07' 48" N 5° 37' 48" W	
(see also: Anagam)			
Foum Zguid		30° 05' 24" N 6° 52' 30" W	760 m
Foum Zguid, 4 km S		30° 04' 01" N 6° 52' 59" W	
Frmane cave, Jebel Bouhalla	ca.	35° 05' 00" N 5° 08' 00" W	
Gharb - Chrarda - Béni Hssen (former) region			
Gorges du Dadès		31° 31' 00" N 5° 56' 00" W	1750 m
(see also: Aït-Ali, ca. 5 km N)			
Goulimine (see Guelmim), Drâ area		28° 59' 02" N 10° 03' 37" W	307 m
Grand Casablanca (former) region			
Grande Caverne du Djebel Moussa (see Great Cave (Jebel Moussa))		35° 53' 52" N 5° 24' 44" W	
Great Cave (Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
(see also: Grande Caverne du Djebel Moussa)			
Grotte d'Azigza (see Kef Azigza cave)		32° 02' 00" N 3° 47' 00" W	1060 m
Grotte de Kef Aziza (see Kef Azigza cave)		32° 02' 00" N 3° 47' 00" W	1060 m
Grotte de Kef-el-Rhar (see Kef-el-Rhar, cave)		34° 28' 48" N 4° 15' 36" W	ca. 500 m
Grotte de Ras El Oued		34° 09' 00" N 4° 00' 00" W	
(see also: Ras El Oued, cave)			
Grotte de Samsa (see Semsa cave)		35° 35' 24" N 5° 24' 00" W	114 m
Grotte de Tazarine (see Tazarine cave)		34° 55' 16" N 2° 19' 46" W	
Grotte de Zegzel (see Zegzel cave)		34° 55' 16" N 2° 19' 46" W	
Grotte des chameaux (see Camel cave, valley)	ca.	34° 45' 00" N 2° 20' 00" W	1155 m
Grotte du plateau de Kik (see Kik plateau cave)	ca.	31° 15' 00" N 8° 10' 00" W	
Grotte Win Timdouine (see Win Timdouine cave)		30° 40' 49" N 9° 20' 42" W	
Grottes d'Hercule		35° 45' 21" N 5° 56' 16" W	
(see also: Cuevas d'Hércules, Hercules caves)			
Guelmim, Drâ area		28° 59' 02" N 10° 03' 37" W	307 m
(see also: Goulimine)			
Guelmim - Es-Semara (former) region			
Guelmim prefecture			
Guelmim-Oued Noun region			
Ha-ha, Mogador	ca.	31° 30' 00" N 9° 45' 00" W	
Hercules caves (see Grottes d'Hercule)		35° 45' 21" N 5° 56' 16" W	
Ifrane		33° 32' 00" N 5° 06' 00" W	1713 m
Ifrane prefecture			
Ijoukak		31° 00' 00" N 8° 09' 36" W	1196 m
(see also: Izoukak)			
Imouzzer du Kandar, 12 km W (see Bir Regaga, Kef Aïssa)	ca.	33° 45' 00" N 5° 05' 00" W	
Inezgane-Ait Melloul prefecture			
Izoukak (see Ijoukak)		31° 00' 00" N 8° 09' 36" W	1196 m
Jbel Moussa (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Jbel Tissouka (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Jebel Mago (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Jebel Moussa		35° 53' 52" N 5° 24' 44" W	
(see also: Abila, Abyla, Djebel Moussa, Jbel Moussa, Jebel Mussa, Jebel Sidi Moussa, Monte de las Monas, Sidi Musa)			
Jebel Mussa (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	

Jebel Sidi Moussa (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Jebel Tisouka, 5 km E Chefchaouen		35° 09' 38" N 5° 13' 02" W	1100 m
(see also: Chefchaouen, 5 km E, Jbel Tissouka, Jebel Mago, Monte Tisuka, Tisouka, mount, Yebel Tisuca, Yebel Tisuja)			
Jerada prefecture			
Jorf El Roumi Nsebis cave		33° 36' 51" N 7° 32' 27" W	
Kef Azigza cave, Oued Guir		32° 02' 00" N 3° 47' 00" W	1060 m
(see also: Azigza cave, Grotte d'Azigza, Grotte de Kef Aziza, Kef Aziza cave)			
Kef Aziza cave (see Kef Azigza cave)		32° 02' 00" N 3° 47' 00" W	1060 m
Kef er Rhar (see Kef-el-Rhar, cave)		34° 28' 48" N 4° 15' 36" W	ca. 500 m
Kef-el-Rhar, cave		34° 28' 48" N 4° 15' 36" W	ca. 500 m
(see also: Grotte de Kef-el-Rhar, Kef er Rhar)			
Kénitra prefecture			
Khémisset prefecture			
Khenifra			
Khénifra prefecture			
Khouribga prefecture			
Kik plateau cave	ca.	31° 15' 00" N 8° 10' 00" W	
(see also: Grotte du plateau de Kik, Réserve des monts Mandingues)			
Ksar es Souk prefecture (see Errachidia prefecture)			
Ksar Tamtettouchet (see Tamtetoucht)		31° 40' 12" N 5° 31' 48" W	2247 m
Ksar-es-Suk prefecture (see Errachidia prefecture)			
Laachaich, 8 km from Chefchaouen		35° 10' 00" N 5° 16' 00" W	
(see also: Chefchaouen, 8 km from)			
Laâyoune - Boujdour -Sakia El Hamra (former) region			
Laâyoune prefecture			
Laâyoune-Sakia al Hamra region			
Lac Afenourir (see Afnourir, lake)		33° 17' 00" N 5° 15' 00" W	
Lac Afnourir (see Afnourir, lake)		33° 17' 00" N 5° 15' 00" W	
Larache		35° 11' 24" N 6° 09' 00" W	55 m
(see also: Al ‘Ara’ish, El Aaraich, Lavache)			
Larache prefecture			
Larache, 20 km S		35° 01' 59" N 6° 03' 00" W	
Lavache (see Larache)		35° 11' 24" N 6° 09' 00" W	55 m
L'oriental region			
(see also: Oriental-Rif region |PC:OR|)			
Magador (see Essaouira)		31° 30' 47" N 9° 46' 11" W	11 m
Maha, 7 mi [=11.3 km] (see Tagonidert)			
Mapti Endé			
Marrakech -Tensilft - Al Hauouz (former) region			
Marrakech, E of	ca.	31° 37' 48" N 8° 00' 00" W	
(see also: Marrakesh, E of)			
Marrakech-Safi region			
Marrakesh prefecture			
Marrakesh, E of (see Marrakech, E of)	ca.	31° 37' 48" N 8° 00' 00" W	
M'diq Fnidq prefecture			
Mechra Benabbou, 11 km SE		32° 36' 00" N 7° 43' 01" W	
Médiouna prefecture			
Mekinez (see Meknès)		33° 54' 00" N 5° 33' 00" W	547 m
Meknès		33° 54' 00" N 5° 33' 00" W	547 m
(see also: Mekinez)			
Meknès - Tafilalet (former) region			
Meknès prefecture			
Merzouga dunes (see Erg Merzouga)		31° 04' 16" N 3° 59' 01" W	
Meski		31° 51' 19" N 4° 17' 17" W	957 m
(see also: Mesky)			
Mesky (see Meski)		31° 51' 19" N 4° 17' 17" W	957 m
Middle Atlas (see Moyen Atlas)		33° 30' 00" N 4° 30' 00" W	
Misour (see Missour)		33° 03' 00" N 3° 59' 24" W	895 m
Missour		33° 03' 00" N 3° 59' 24" W	895 m
(see also: Misour)			
Missour, 15 km SW		33° 07' 59" N 4° 04' 59" W	
Mizu - Tétouan			
Mogadar (see Essaouira)		31° 30' 47" N 9° 46' 11" W	11 m
Mogador (see Essaouira)		31° 30' 47" N 9° 46' 11" W	11 m
Mohammedia prefecture			
Monte de las Monas (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Monte Tisuka (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Morocco			
Moulay Abdeslam, 5 km W		35° 19' 00" N 5° 34' 00" W	
Moulay Abdessalam - Zinat, between	ca.	35° 24' 00" N 5° 29' 00" W	
Moulay Yacoub prefecture			

Moyen Atlas		33° 30' 00" N 4° 30' 00" W	
(see also: Middle Atlas)			
Mzala Chichaoua (see Chichaoua), Rif		31° 32' 40" N 8° 45' 58" W	322 m
Nador prefecture			
Nador, 20 km SE		35° 07' 00" N 2° 45' 00" W	
Nafifik forest		33° 43' 00" N 7° 20' 00" W	
Nouaceur prefecture			
Oriental (former) region			
OrienPC:OF|)			
Ouarzazat (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazat, 19 km E		30° 57' 00" N 6° 43' 00" W	
(see also: Ouarzazate, 19 km E, Ouarzazte, 19 km E, Ouorzazate, 19 km E)			
Ouarzazate (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazate prefecture			
Ouarzazate, 19 km E (see Ouarzazat, 19 km E)		30° 57' 00" N 6° 43' 00" W	
Ouarzazate, 3 km NW		30° 48' 00" N 5° 36' 00" W	
Ouarzazate, 5 km S		30° 52' 01" N 6° 55' 01" W	
Ouarzazate, 5 km SE		30° 52' 59" N 6° 57' 00" W	
Ouarzazate, 5 km SW		30° 52' 59" N 6° 57' 00" W	
Ouarzazate, 6 km N		30° 55' 01" N 6° 55' 01" W	
Ouarzazate, 9 km SE		30° 52' 01" N 6° 52' 01" W	
Ouarzazte (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazte, 19 km E (see Ouarzazat, 19 km E)		30° 57' 00" N 6° 43' 00" W	
Oued Drâa	ca.	29° 10' 00" N 8° 00' 00" W	
Oued ed-Dahab - Lagouira (former) region			
Oued Ed-Danab province			
Oued el-Ammar, Sebt-des-Aït, Serhrouchen		34° 06' 00" N 4° 33' 36" W	
Oued Lahou (see Oued Laou)		35° 26' 54" N 5° 05' 47" W	
Oued Lao (see Oued Laou)		35° 26' 54" N 5° 05' 47" W	
Oued Laou		35° 26' 54" N 5° 05' 47" W	
(see also: Oued Lahou, Oued Lao, Oued Lou, Uad Lau)			
Oued Laou, near	ca.	35° 26' 54" N 5° 05' 47" W	
Oued Lou (see Oued Laou)		35° 26' 54" N 5° 05' 47" W	
Oued Siglone, near Chefchaoune	ca.	35° 10' 00" N 5° 16' 00" W	
(see also: Duea Seglaon)			
Ouezzane, 10 km W		34° 46' 01" N 5° 40' 59" W	
Oujda-Angad prefecture			
Ouorzazate (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Ouorzazate, 19 km E (see Ouarzazat, 19 km E)		30° 57' 00" N 6° 43' 00" W	
Ourika, cascades, near Setti-Fatma		31° 13' 13" N 7° 40' 09" W	
Peñon de Alhucemas island		35° 12' 48" N 3° 53' 22" W	
Puente de Fomento (see Caotina)		35° 11' 44" N 5° 18' 32" W	508 m
Puento Fomento (see Caotina)		35° 11' 44" N 5° 18' 32" W	508 m
Rabat		34° 00' 50" N 6° 50' 39" W	24 m
Rabat - Salé - Zemmour - Zaer (former) region			
Rabat prefecture			
Rabat, 17 km SE		33° 49' 00" N 7° 02' 00" W	
Rabat-Salé-Kénitra region			
Rachidia prefecture (see Errachidia prefecture)			
Ras El Oued, cave (see Grotte de Ras El Oued)		34° 09' 00" N 4° 00' 00" W	
Rif (see Er Rif)		35° 00' 00" N 4° 00' 00" W	
Riff (see Er Rif)		35° 00' 00" N 4° 00' 00" W	
Safi prefecture			
Safi, 13 km S		32° 10' 59" N 9° 15' 00" W	
Salé prefecture			
Samsa (see Semsa)		35° 35' 24" N 5° 24' 00" W	114 m
Samsa cave (see Semsa cave)		35° 35' 24" N 5° 24' 00" W	114 m
Scheschauen (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Sebt Aït Saghiouchen		34° 00' 23" N 4° 33' 12" W	
(see also: Sebt Aït Seghouchen, Sebt-des-Ait-Serhrouchen)			
Sebt Aït Seghouchen (see Sebt Aït Saghiouchen)		34° 00' 23" N 4° 33' 12" W	
Sebt-des-Ait-Serhrouchen (see Sebt Aït Saghiouchen)		34° 00' 23" N 4° 33' 12" W	
Sefrou prefecture			
Semsa		35° 35' 24" N 5° 24' 00" W	114 m
(see also: Samsa)			
Semsa cave		35° 35' 24" N 5° 24' 00" W	114 m
(see also: Grotte de Samsa, Samsa cave)			
Settat prefecture			
Sidi Bouzid			
Sidi Kacem prefecture			
Sidi Moussa			
Sidi Musa (see Jebel Moussa)		35° 53' 52" N 5° 24' 44" W	
Sidi Sibara, 3 km SW	ca.	33° 24' 33" N 6° 44' 38" W	

Skhirate-Témara prefecture			
Souk-Khemis-des-Beni-Arouss		35° 18' 25" N 5° 37' 46" W	
Souq l'Arba N. Ayt Ahmad, 34 km WNW(?) Tiznit, Oued Massa	ca.	29° 59' 44" N 9° 39' 44" W	
(see also: Tiznit, 34 km WNW?)			
Souss - Massa - Draâ (former) region			
Souss-Massa region			
Taddert, High Atlas			
Tadia - Azilal (former) region			
Tafilalt prefecture (see Errachidia prefecture)			
Taforalt (see Taforhalt)		34° 48' 36" N 2° 24' 00" W	911 m
Taforalt, 3 km NE		34° 49' 01" N 2° 24' 00" W	
Taforalt, 9 km NE		34° 49' 59" N 2° 22' 01" W	
Taforhalt		34° 48' 36" N 2° 24' 00" W	911 m
(see also: Aïn Taforalt, Camp d'Aïn Tafouralt, Taforalt)			
Tagonidert, 7 mi from Maha			
(see also: Maha, 7 mi [=11.3 km], Tagouidert)			
Tagouidert (see Tagonidert)			
Takoumit oasis		32° 05' 00" N 3° 46' 00" W	1115 m
Talkount		31° 39' 36" N 7° 15' 36" W	851 m
(see also: Talkout)			
Talkout (see Talkount)		31° 39' 36" N 7° 15' 36" W	851 m
Tamtattoucht (see Tamtetoucht)		31° 40' 12" N 5° 31' 48" W	2247 m
Tamtattouchte (see Tamtetoucht)		31° 40' 12" N 5° 31' 48" W	2247 m
Tamtetoucht		31° 40' 12" N 5° 31' 48" W	2247 m
(see also: Ksar Tamtettouchet, Tamtattoucht, Tamtattouchte)			
Tanger		35° 47' 05" N 5° 48' 46" W	79 m
(see also: Tangeri, Tangier, Tingis)			
Tanger - Tétouan (former) region			
Tanger, 13 km W		35° 48' 00" N 5° 55' 59" W	
Tanger-Assilah prefecture			
Tangeri (see Tanger)		35° 47' 05" N 5° 48' 46" W	79 m
Tanger-Tétouan-Al Hoceima region			
Tangier (see Tanger)		35° 47' 05" N 5° 48' 46" W	79 m
Tan-Tan Plage, 30 km SE		28° 26' 00" N 11° 06' 00" W	
Tan-Tan prefecture			
Taounat, 15 km WSW (see Taounate, 15 km WSW)		34° 29' 00" N 4° 48' 00" W	
Taounate prefecture			
Taounate, 15 km WSW		34° 29' 00" N 4° 48' 00" W	
(see also: Taounat, 15 km WSW, Tawnat, 15 km WSW)			
Taourirt prefecture			
Taroudannt prefecture			
Tata		29° 45' 00" N 7° 59' 00" W	670 m
(see also: Tatta)			
Tata prefecture			
Tata, 15 km S	ca.	29° 37' 59" N 7° 57' 00" W	
Tata, 8 km N	ca.	29° 44' 00" N 7° 56' 00" W	
Tata, near	ca.	29° 45' 00" N 7° 59' 00" W	
(see also: Aux environs de Tata)			
Tatta (see Tata)		29° 45' 00" N 7° 59' 00" W	670 m
Tawnat, 15 km WSW (see Taounate, 15 km WSW)		34° 29' 00" N 4° 48' 00" W	
Taza, Lead mine [=Mine de Plomb]		34° 13' 00" N 4° 01' 00" W	598 m
Taza - Al Hoceima - Taounate (former) region			
Taza prefecture			
Taza, 13 km S		34° 09' 00" N 4° 04' 01" W	
Tazarine		33° 52' 48" N 4° 10' 48" W	1395 m
(see also: El Kelaa n'Tazarine, Tazarine-des-Zerarda, Tazzarine)			
Tazarine cave		34° 55' 16" N 2° 19' 46" W	
(see also: Grotte de Tazarine)			
Tazarine, 3 km NW	ca.	33° 53' 00" N 4° 11' 00" W	
Tazarine-des-Zerarda (see Tazarine)		33° 52' 48" N 4° 10' 48" W	1395 m
Tazzarine (see Tazarine)		33° 52' 48" N 4° 10' 48" W	1395 m
Tétouan prefecture			
Tétouane, cave 6 km E	ca.	35° 34' 00" N 5° 17' 00" W	250 m
Tiflet, 15 km W		33° 55' 59" N 6° 27' 00" W	
Tiflet, 21 km W		33° 59' 00" N 6° 34' 00" W	
Tiguerte cave, 30 km NW Agadir	ca.	30° 38' 00" N 9° 50' 00" W	
(see also: Agadir, 30 km NW)			
Tingis (see Tanger)		35° 47' 05" N 5° 48' 46" W	79 m
Tisouka, mount (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Tiznit prefecture			
Tiznit, 34 km WNW? (see Souq l'Arba N. Ayt Ahmad)	ca.	29° 59' 44" N 9° 39' 44" W	

Uad Lau (see Oued Laou)		35° 26' 54" N 5° 05' 47" W	
Uarzazatas (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Villa Alhucemas (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Villa Sanjurjo (see Al Hoceïma)		35° 14' 24" N 3° 55' 48" W	153 m
Ville de Chechaouèn (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Warzat		30° 55' 31" N 6° 54' 48" W	1276 m
(see also: Ait Ouarzazate, Aït Ouarzazate, Ouarzazat, Ouarzazate, Ouarzazte, Ouorzazate, Uarzazatas, Warzazat, Warzazat)			
Warzazat (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Warzazat (see Warzat)		30° 55' 31" N 6° 54' 48" W	1276 m
Win Timdouine cave, near Agadir		30° 40' 49" N 9° 20' 42" W	
(see also: Grotte Win Timdouine, Wintimdouine cave)			
Wintimdouine cave (see Win Timdouine cave)		30° 40' 49" N 9° 20' 42" W	
Xauen (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Xerafat, Caf Muley Abdelkader	ca.	35° 04' 45" N 5° 19' 43" W	
Xexauen (see Chefchaoune), Rif		35° 10' 17" N 5° 16' 11" W	564 m
Yebel Tisuca (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Yebel Tisuja (see Jebel Tisouka)		35° 09' 38" N 5° 13' 02" W	1100 m
Zagora prefecture			
Zaouia Assa (see Assa)		28° 36' 00" N 9° 25' 12" W	294 m
Zegzel cave		34° 55' 16" N 2° 19' 46" W	
(see also: Grotte de Zegzel)			

Mozambique:

Alagoa Bay (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Aldeia Chiuta		15° 33' 44" S 33° 17' 23" E	800 m
(see also: Chiúta, Chuta)			
Aldeia Milepa, Rukwa valley		11° 44' 02" S 36° 17' 32" E	476 m
(see also: Milepa)			
Aldeia Muchena		15° 40' 56" S 33° 48' 20" E	356 m
(see also: Massamba, 10 mi [=16 km] E, Muchena, Tetane Muchena)			
Bahia de Machangulo (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Baia de Alagoa (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Baia de Dalagoa (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Baía de Lourenço Marques (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Baía de Maputo (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Balama Coutada		13° 24' 58" S 38° 02' 15" E	
Bamboo Inn, outskirts of Nampula town		15° 06' 11" S 39° 13' 03" E	420 m
Banhine National Park, 45 km SW Magude		22° 45' 21" S 32° 48' 19" E	
Bazaruto Island		21° 39' 46" S 35° 28' 04" E	
(see also: Bazaruto, Ilha do)			
Bazaruto Lodge		21° 36' 55" S 35° 20' 15" E	
Bazaruto, Ilha do (see Bazaruto Island)		21° 39' 46" S 35° 28' 04" E	
Bdienguele		24° 57' 27" S 34° 11' 22" E	
Beira		19° 50' 37" S 34° 50' 20" E	14 m
Beira, 10 km N	ca.	19° 19' 00" S 34° 52' 00" E	
Beira, 20 mi [=32 km] N	ca.	19° 49' 00" S 34° 52' 00" E	
Beira, 212 km SSW		21° 26' 12" S 33° 51' 01" E	
Beira, near	ca.	19° 50' 00" S 34° 51' 00" E	
Bela Vista		25° 58' 00" S 32° 30' 00" E	5 m
Boane, 1 mi [=1.6 km] NE		25° 58' 01" S 32° 19' 59" E	
Boane, 10 km N		25° 55' 59" S 32° 19' 01" E	
Boror, 12 mi NW Quellimane	ca.	17° 52' 00" S 36° 53' 00" E	
(see also: Quellimane, 12 mi [=19 km] NW)			
Bunga Inselberg		18° 35' 56" S 34° 20' 35" E	212 m
Buzi river		19° 55' 40" S 33° 49' 42" E	
Cabaceira (see Cabaceira Pequena)		15° 00' 40" S 40° 45' 58" E	0 m
Cabaceira Pequena		15° 00' 40" S 40° 45' 58" E	0 m
(see also: Cabaceira)			
Cabo Delgado province			
Cabo Guja		23° 44' 28" S 35° 20' 58" E	68 m
(see also: Guja, Guya)			
Caia Lodge		17° 50' 50" S 35° 19' 23" E	
Can Pfumo (see Maputo)		25° 57' 55" S 32° 35' 21" E	63 m
Case Msika lodge, near Lake Chicamba		19° 02' 25" S 33° 05' 24" E	
Catambica (see Catandica)		18° 03' 27" S 33° 10' 25" E	620 m
Catandica		18° 03' 27" S 33° 10' 25" E	620 m
(see also: Catambica, Vila Gouveia, Vila Goveia)			
Chai Chai (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
Changalane		26° 17' 29" S 32° 11' 23" E	94 m
(see also: Estatuane)			

Chemezi		18° 53' 20" S 33° 03' 02" E	
Cheringoma caves, E of Gorongosa National Park		18° 33' 53" S 34° 52' 19" E	
Cheringoma plateau	ca.	18° 37' 30" S 34° 44' 24" E	
Chicona, 14 mi [=22.5 km] ESE			
Chigubo Administrative Poste		22° 49' 45" S 33° 31' 26" E	91 m
Chihalatan cave, 38.2 km W Inhassoro (see also: Inhassoro, 38.2 km W)		21° 40' 16" S 34° 51' 50" E	
Chimonzo		24° 56' 54" S 33° 17' 30" E	81 m
Chinizuia Forest		18° 58' 38" S 35° 03' 20" E	
Chiperone, mount (see Mount Chiperone)		16° 30' 25" S 35° 43' 33" E	
Chitengo Camp		18° 58' 44" S 34° 21' 05" E	
Chiúta (see Aldeia Chiuta)		15° 33' 44" S 33° 17' 23" E	800 m
Chokwe, Limpopo Bridge		24° 24' 21" S 32° 52' 54" E	
Chupanga, Zambezi River (see also: Lacerdónia, Shupanga)		18° 01' 16" S 35° 33' 51" E	52 m
Chuta (see Aldeia Chiuta)		15° 33' 44" S 33° 17' 23" E	800 m
Cidade de Matola (see Matola)		25° 57' 44" S 32° 27' 32" E	3 m
Coguno		24° 23' 20" S 34° 33' 10" E	53 m
Concelho (see Mozambique Island)		15° 02' 00" S 40° 44' 00" E	
Covane		21° 21' 55" S 33° 56' 15" E	75 m
Crus Dubacus Setache, 5 km N (see Zinave National Park)		21° 07' 30" S 33° 37' 30" E	
Dabacua Setache (see Setache)		21° 41' 32" S 33° 31' 18" E	
Delagoa Bay (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Dondo (see also: Vila do Dondo)		19° 36' 34" S 34° 44' 35" E	56 m
Dondo Forest		19° 36' 00" S 34° 44' 00" E	
Dondo, 8 km NW (see Mezimbite)		19° 35' 00" S 34° 43' 00" E	
Envirotrade site		18° 58' 42" S 34° 10' 33" E	
Estatuane (see Changalane)		26° 17' 29" S 32° 11' 23" E	94 m
Estatuene area		26° 23' 53" S 32° 05' 53" E	
Furancungo, 30 mi [=48 km] NNW	ca.	14° 53' 00" S 33° 36' 00" E	
Gaza province			
Gerhard's cave		21° 40' 12" S 34° 51' 36" E	68 m
Gorge Rim, Site 1		18° 38' 06" S 34° 48' 29" E	213 m
Gorongosa Mountain (see Gorongosa, Serra de)		18° 24' 02" S 34° 04' 18" E	
Gorongosa National Park (see also: Gorongoza Game Reserve, Gorongoza National Park, Parque Nacional da Gorongosa, Parque Nacional de Caça)		18° 41' 25" S 34° 18' 49" E	
Gorongosa National Park (II)		18° 27' 54" S 34° 03' 07" E	1150 m
Gorongosa National Park, cave at alpine-forest interface		18° 26' 05" S 34° 03' 06" E	
Gorongosa National Park, montain forest 1		18° 28' 00" S 34° 03' 02" E	
Gorongosa National Park, village below forest		18° 29' 02" S 34° 02' 35" E	
Gorongosa, Serra de (see also: Gorongosa Mountain, Gorongoza Mountain)		18° 24' 02" S 34° 04' 18" E	
Gorongoza caves		18° 33' 53" S 34° 52' 19" E	
Gorongoza Game Reserve (see Gorongosa National Park)		18° 41' 25" S 34° 18' 49" E	
Gorongoza Mountain (see Gorongosa, Serra de)		18° 24' 02" S 34° 04' 18" E	
Gorongoza National Park (see Gorongosa National Park)		18° 41' 25" S 34° 18' 49" E	
Gruta Magochene		21° 22' 00" S 34° 52' 00" E	
Guja (see Cabo Guja)		23° 44' 28" S 35° 20' 58" E	68 m
Gupata (camp), ca 50 mi [=80 km] NE Zinave (see also: Zinave, ca 50 mi [=80 km] NE)		20° 43' 00" S 34° 30' 00" E	
Gurué Tea Plantation		15° 27' 44" S 37° 01' 09" E	1700 m
Gurué, 2.9 km N, 8.9 km E (see Vila Junqueiro, 2.9 km N, 8.9 km E), cave adjacent to Mount Muresi		15° 24' 49" S 37° 04' 28" E	984 m
Gurué, 6 km N, 10.8 km E (see Merrápué)		15° 24' 28" S 37° 04' 30" E	1111 m
Gurué, 7.6 km N, 7.2 km E (see Vila Junqueiro, 7.6 km N, 7.2 km E)		15° 23' 58" S 37° 02' 34" E	1707 m
Gurué, ca 8 km N, 8 km E		15° 23' 58" S 37° 02' 34" E	
Guya (see Cabo Guja)		23° 44' 28" S 35° 20' 58" E	68 m
Ibo		14° 59' 00" S 40° 41' 00" E	
Inago, mount (see Mount Inago)		15° 04' 48" S 37° 23' 24" E	ca. 1200 m
Inhaca Island		26° 01' 00" S 32° 58' 00" E	50 m
Inhaca Island Research Station (see also: Inyoka mountains, Magude, 45 km SW)		26° 02' 17" S 32° 57' 36" E	
Inhambane		23° 51' 54" S 35° 23' 00" E	1 m
Inhambane province			
Inhambane, 29 km S (see Jangamo)		24° 06' 44" S 35° 19' 05" E	18 m
Inhaminga		18° 24' 13" S 34° 59' 45" E	309 m
Inhassano, 39.1 km W (see Malashane cave)		21° 40' 05" S 34° 50' 49" E	
Inhassoro, 38.2 km W (see Chihalatan cave)		21° 40' 16" S 34° 51' 50" E	

Inyoka mountains (see Inhaca Island Research Station), 45 km SW Magude		22° 45' 21" S 32° 48' 19" E	
Jangamo, 29 km S Inhambane (see also: Inhambane, 29 km S)		24° 06' 44" S 35° 19' 05" E	18 m
Joa Belo (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
João Belo (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
Kapfumo (see Maputo)		25° 57' 55" S 32° 35' 21" E	63 m
Kasumbadedza, 5 mi [=8 km] W Tete		16° 08' 32" S 33° 31' 47" E	
Kiboko, 23 km S (see Niassa Game Reserve)		12° 37' 27" S 37° 39' 23" E	
Lacerdónia (see Chupanga), Zambezi River		18° 01' 16" S 35° 33' 51" E	52 m
Lagoa de Ura (see Ura, lagoa)		19° 42' 36" S 34° 19' 52" E	
Lake Ura (see Ura, lagoa)		19° 42' 36" S 34° 19' 52" E	
Lourenço Marques (see Maputo)		25° 57' 55" S 32° 35' 21" E	63 m
Lourenco Marques, 2 mi [=3.2 km] N		25° 57' 55" S 32° 35' 21" E	100 ft
Luabo		18° 23' 34" S 36° 06' 19" E	8 m
Lumbo		15° 00' 38" S 40° 39' 59" E	0 m
Mabu, mount (see also: Monte Mabu, Mount Mabu, Serra Mabu)		16° 16' 57" S 36° 22' 54" E	980 m
Mabutu (see Maputo)		25° 57' 55" S 32° 35' 21" E	63 m
Machangulo Bay (see Maputo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Macovane		21° 29' 20" S 35° 03' 23" E	0 m
Macovane, 27 km SW (see Nogochene caves)	ca.	21° 41' 00" S 34° 52' 00" E	
Macovane, ca 25 km SW	ca.	21° 30' 00" S 35° 03' 00" E	
Mágoè (see also: Magüè, Mague Novo, Mague, new)		15° 48' 22" S 31° 45' 03" E	474 m
Magoe Velho (see also: Màgoé Velho, Mágué, Magüè Velho)		15° 41' 37" S 31° 40' 56" E	315 m
Màgoé Velho (see Magoe Velho)		15° 41' 37" S 31° 40' 56" E	315 m
Magude, 24 km SW		25° 10' 59" S 32° 31' 01" E	
Magude, 45 km SW (see Inhaca Island Research Station) (see also: Tete, 5 mi [=8 km] W)		22° 45' 21" S 32° 48' 19" E	
Magude-Mapulenguene		24° 56' 29" S 32° 32' 55" E	
Mague (New) Boroma		15° 49' 01" S 31° 43' 59" E	
Mágué (see Magoe Velho)		15° 41' 37" S 31° 40' 56" E	315 m
Magüè (see Mágoè)		15° 48' 22" S 31° 45' 03" E	474 m
Mague Novo (see Mágoè)		15° 48' 22" S 31° 45' 03" E	474 m
Magüè Velho (see Magoe Velho)		15° 41' 37" S 31° 40' 56" E	315 m
Mague, new (see Mágoè)		15° 48' 22" S 31° 45' 03" E	474 m
Malacus		21° 52' 30" S 33° 22' 30" E	
Malashane cave, 39.1 km W Inhassoro, < 2 km from Chihalatan cave (see also: Inhassano, 39.1 km W)		21° 40' 05" S 34° 50' 49" E	
Mángari, 5 km N (see Mungari, 5 km N)	ca.	17° 10' 00" S 33° 33' 00" E	ca. 500 m
Manhiça (see also: Vila da Manhiça)		25° 24' 08" S 32° 48' 26" E	57 m
Manho Forest (see also: Manhoe Forest)		15° 22' 09" S 37° 03' 41" E	
Manhoe Forest (see Manho Forest)		15° 22' 09" S 37° 03' 40" E	
Manica province			
Manica, 10 km N (see also: Vila de Manica, 10 km N)		18° 50' 00" S 32° 57' 00" E	
Mapinhane		22° 19' 12" S 35° 03' 00" E	
Maputo (see also: Can Pfumo, Kapfumo, Lourenço Marques, Mabutu)		25° 57' 55" S 32° 35' 21" E	63 m
Maputo Bay (see also: Alagoa Bay, Bahia de Machangulo, Baia de Alagoa, Baia de Dalagoa, Baía de Lourenço Marques, Baía de Maputo, Delagoa Bay, Machangulo Bay)	ca.	25° 59' 00" S 32° 42' 00" E	
Maputo Camp		12° 10' 56" S 37° 33' 01" E	
MaputPC:MC|)			
Maputo province (see also: Maputo City province |PC:MC|)			
Maputo, 2 mi [=3.2 km] N		25° 57' 55" S 32° 35' 21" E	
Marine Research Station		26° 01' 37" S 32° 54' 39" E	
Masembeti	ca.	19° 36' 34" S 34° 44' 35" E	
Massamba, 10 mi [=16 km] E (see Aldeia Muchena)		15° 40' 56" S 33° 48' 20" E	356 m
Massangena		21° 33' 18" S 32° 57' 38" E	
Massinga		23° 19' 01" S 35° 22' 59" E	
Massinga, 2 km N		23° 20' 00" S 35° 22' 00" E	
Massinga, 2 km S		23° 20' 00" S 35° 24' 00" E	
Matola (see also: Cidade de Matola, Vila Salazar)		25° 57' 44" S 32° 27' 32" E	3 m
Mazambo		23° 23' 00" S 32° 22' 00" E	

Mehave, on Save river?		21° 04' 12" S 34° 45' 00" E	
Meponda, on E bank Lake Niassa		13° 24' 05" S 34° 52' 14" E	590 m
Meponda, 10 km E		13° 22' 13" S 34° 56' 17" E	
Meponda, 6 km E, near Lake Niassa		13° 21' 53" S 34° 53' 53" E	601 m
Mepuze		23° 12' 19" S 32° 29' 55" E	
Mepuze, S of		24° 10' 05" S 32° 48' 22" E	
Merrápué, 6 km N, 10.8 km E Gurue, Malema river		15° 24' 28" S 37° 04' 30" E	1111 m
(see also: Gurué, 6 km N, 10.8 km E, Murabue)			
Mezimbite, 8 km NW Dondo		19° 35' 00" S 34° 43' 00" E	
(see also: Dondo, 8 km NW)			
Milepa (see Aldeia Milepa), Rukwa valley		11° 44' 02" S 36° 17' 32" E	476 m
Mkuzi Reserve, border RSA and Mozambique			
Moamba		25° 35' 46" S 32° 14' 36" E	112 m
Moatize, 17 km E		16° 05' 00" S 33° 42' 00" E	
(see also: Muatize, 17 km E, Villa Moatize, 17 km E)			
Moçambique, Ilha de (see Mozambique Island)		15° 02' 00" S 40° 44' 00" E	
Moebase		17° 03' 47" S 38° 41' 39" E	0 m
(see also: Moebaze)			
Moebaze (see Moebase)		17° 03' 47" S 38° 41' 39" E	0 m
Mombane (see Nove Mambone)		20° 59' 17" S 35° 01' 20" E	10 m
Mongué Misison		23° 41' 33" S 35° 22' 19" E	
Monte Mabu (see Mabu, mount)		16° 16' 57" S 36° 22' 54" E	980 m
Morombozi River, below forest		18° 29' 02" S 34° 02' 35" E	
Mount Chiperone		16° 30' 25" S 35° 43' 33" E	
(see also: Chiperone, mount)			
Mount Inago		15° 04' 48" S 37° 23' 24" E	ca. 1200 m
(see also: Inago, mount)			
Mount Inago Forest Camp		15° 02' 42" S 37° 23' 46" E	1478 m
Mount Jao			
Mount Mabu (see Mabu, mount)		16° 16' 57" S 36° 22' 54" E	
Mount Mabu forest camp		16° 16' 57" S 36° 22' 54" E	980 m
Mount Mabu, forest edge		16° 17' 11" S 36° 24' 11" E	
Mount Mabu, Site 7		16° 17' 11" S 36° 24' 11" E	
Mount Mecula (see Serra Mecula)		12° 04' 48" S 37° 38' 24" E	1227 m
Mount Namuli		15° 23' 07" S 37° 04' 04" E	1200 m
(see also: Namuli, mount)			
Mount Namuli, base camp	ca.	15° 22' 00" S 37° 02' 00" E	
Mozambique			
Mozambique Island		15° 02' 00" S 40° 44' 00" E	
(see also: Concelho, Moçambique, Ilha de)			
Mualadze, Tete, 10 km N		14° 09' 59" S 32° 59' 13" E	965 m
(see also: Mualadzi, Vila Gamito)			
Mualadzi (see Mualadze), Tete, 10 km N		14° 09' 59" S 32° 59' 13" E	965 m
Muaredzi River, karst cave 1		18° 48' 42" S 34° 44' 12" E	
Muaredzi River, karst cave 2		18° 57' 17" S 34° 36' 47" E	
Muatize, 17 km E (see Moatize, 17 km E)		16° 05' 00" S 33° 42' 00" E	
Muchena (see Aldeia Muchena), 10 mi [=16 km] E Massamba		15° 40' 56" S 33° 48' 20" E	356 m
Mungari, 5 km N	ca.	17° 10' 00" S 33° 33' 00" E	ca. 500 m
(see also: Mángari, 5 km N)			
Murabue (see Merrápué), 6 km N, 10.8 km E Gurue, Malema river		15° 24' 28" S 37° 04' 30" E	1111 m
Muresi Swamp, SE of		15° 23' 58" S 37° 02' 34" E	
Mzambo, lower Limpopo River		23° 23' 00" S 32° 22' 00" E	
Naa Macha (see Namaacha)		25° 58' 13" S 32° 01' 32" E	547 m
Nabaunama River, Nampula, 20 mi WSW		15° 37' 00" S 38° 52' 00" E	
Namaacha		25° 58' 13" S 32° 01' 32" E	547 m
(see also: Naa Macha, Namahacha)			
Namahacha (see Namaacha)		25° 58' 13" S 32° 01' 32" E	547 m
Namapa		13° 29' 42" S 39° 47' 03" E	
Nampula province			
Namuli, mount (see Mount Namuli)		15° 23' 07" S 37° 04' 04" E	1200 m
Nhamatanda		19° 16' 09" S 34° 12' 46" E	64 m
(see also: Vila Macahdo, Vila Machado, Vila Mahado)			
Nhamatanda, 3 km SE		19° 16' 59" S 34° 16' 59" E	
(see also: Vila Machado, 3 km SE)			
Niassa Game Reserve, 23 km S Kiboko		12° 37' 27" S 37° 39' 23" E	
(see also: Kiboko, 23 km S)			
Niassa Game Reserve, S of		12° 52' 08" S 37° 41' 31" E	
Niassa province			
Nkuli Camp		12° 10' 09" S 38° 14' 34" E	
Nogochene caves, 27 km SW Macovane	ca.	21° 41' 00" S 34° 52' 00" E	
(see also: Macovane, 27 km SW)			
Norture Boror		17° 37' 00" S 36° 52' 00" E	

Nove Mambone		20° 59' 17" S 35° 01' 20" E	10 m
(see also: Mombane)			
Nyaboa Caves		20° 22' 00" S 33° 37' 00" E	
Palmiera		25° 13' 02" S 32° 49' 56" E	
Panda		24° 03' 48" S 34° 43' 49" E	144 m
Panda, 4 km N		24° 03' 00" S 34° 42' 00" E	
Parque Nacional da Gorongosa (see Gorongosa National Park)		18° 41' 25" S 34° 18' 49" E	
Parque Nacional de Caça (see Gorongosa National Park)		18° 41' 25" S 34° 18' 49" E	
Pemba		13° 00' 23" S 40° 31' 25" E	
Pemba Bay		12° 56' 31" S 40° 27' 41" E	
Pemba, SW of		13° 00' 23" S 40° 31' 25" E	
Pico Meponduine, near Zinave?			
Posto Inhaca		26° 04' 00" S 32° 58' 00" E	
Quelimane		17° 52' 43" S 36° 53' 18" E	0 m
(see also: Quilimane)			
Quellimane, 12 mi [=19 km] NW (see Boror)	ca.	17° 52' 00" S 36° 53' 00" E	
Quilimane (see Quelimane)		17° 52' 43" S 36° 53' 18" E	0 m
Ribaue, 27 km W		14° 58' 15" S 38° 04' 46" E	
Rio das Pedras		23° 08' 00" S 35° 25' 00" E	
Rio Wanetsi (see Vaneteze river)		24° 29' 33" S 32° 10' 17" E	
Sabi river		25° 20' 00" S 32° 19' 00" E	
Save River Bridge, 30 km N?		21° 37' 48" S 32° 22' 48" E	
Save river, 15 km from mouth		20° 57' 29" S 35° 05' 13" E	
Save River, S of bridge on EN1		21° 10' 33" S 34° 44' 47" E	52 m
Sena (see Vila de Sena), S of Zambezi River		17° 26' 30" S 35° 01' 38" E	69 m
Serra Mabu (see Mabu, mount)		16° 16' 57" S 36° 22' 54" E	980 m
Serra Mecula		12° 04' 48" S 37° 38' 24" E	1227 m
(see also: Mount Mecula)			
Setache		21° 41' 32" S 33° 31' 18" E	
(see also: Dabacua Setache)			
Shai-Shai (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
Shupanga (see Chupanga), Zambezi River		18° 01' 16" S 35° 33' 51" E	52 m
Sofala province			
Tambarara		18° 40' 15" S 34° 05' 54" E	423 m
Tetane Muchena (see Aldeia Muchena)		15° 40' 56" S 33° 48' 20" E	356 m
Tete, on the Zambezi River		16° 09' 23" S 33° 35' 12" E	140 m
(see also: Vila-de-Santiago-Maior)			
Tete province			
Tete, 2 mi [=3.2 km] E	ca.	16° 10' 00" S 33° 37' 00" E	
Tete, 2 mi [=3.2 km] SE		16° 07' 00" S 33° 37' 00" E	
Tete, 5 mi [=8 km] W (see Magude, 45 km SW)		16° 08' 32" S 33° 31' 47" E	
Tete, near	ca.	16° 09' 23" S 33° 35' 12" E	
Tica, 32 km S (see Ura, lagoa)		19° 42' 36" S 34° 19' 52" E	
Ukalini Forest	ca.	15° 23' 38" S 36° 59' 04" E	
Ura, lagoa, 32 km S Tica		19° 42' 36" S 34° 19' 52" E	
(see also: Lagoa de Ura, Lake Ura, Tica, 32 km S)			
Vaneteze river		24° 29' 33" S 32° 10' 17" E	
(see also: Rio Wanetsi, Wanetsi river)			
Vila Coutinho		14° 44' 04" S 34° 22' 22" E	1223 m
Vila Coutinho, 93 km S	ca.	15° 40' 19" S 34° 19' 56" E	
Vila da Manhiça (see Manhiça)		25° 24' 08" S 32° 48' 26" E	57 m
Vila de João Belo (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
Vila de Manica, 10 km N (see Manica, 10 km N)		18° 50' 00" S 32° 57' 00" E	
Vila de Sena		17° 26' 30" S 35° 01' 38" E	69 m
(see also: Sena)			
Vila do Dondo (see Dondo)		19° 36' 34" S 34° 44' 35" E	56 m
Vila Gamito (see Mualadze), Tete, 10 km N		14° 09' 59" S 32° 59' 13" E	965 m
Vila Gamito, 10 km N	ca.	14° 04' 01" S 33° 03' 00" E	
Vila Gouveia (see Catandica)		18° 03' 27" S 33° 10' 25" E	620 m
Vila Goveia (see Catandica)		18° 03' 27" S 33° 10' 25" E	620 m
Vila Junqueiro, 2.9 km N, 8.9 km E, cave adjacent to Mount Muresi		15° 24' 49" S 37° 04' 28" E	984 m
(see also: Gurué, 2.9 km N, 8.9 km E)			
Vila Junqueiro, 7.6 km N, 7.2 km E		15° 23' 58" S 37° 02' 34" E	
(see also: Gurué, 7.6 km N, 7.2 km E)			
Vila Macahdo (see Nhamatanda)		19° 16' 09" S 34° 12' 46" E	64 m
Vila Machado (see Nhamatanda)		19° 16' 09" S 34° 12' 46" E	64 m
Vila Machado, 3 km SE (see Nhamatanda, 3 km SE)		19° 16' 59" S 34° 16' 59" E	
Vila Mahado (see Nhamatanda)		19° 16' 09" S 34° 12' 46" E	64 m
Vila Salazar (see Matola)		25° 57' 44" S 32° 27' 32" E	3 m
Vila-de-Santiago-Maior (see Tete), on the Zambezi River		16° 09' 23" S 33° 35' 12" E	140 m
Vila-João-Belo (see Xai-Xai), Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
Vilanculos (see Vilankulo)		22° 00' 00" S 35° 19' 00" E	0 m
Vilanculos district	ca.	22° 00' 00" S 35° 00' 00" E	

Vilanculos, W edge		21° 58' 59" S 35° 19' 01" E	
Vilankulo		22° 00' 00" S 35° 19' 00" E	0 m
(see also: Vilanculos, Villacuios)			
Vilankulo, W edge		21° 58' 59" S 35° 19' 01" E	
Villa Moatize, 17 km E (see Moatize, 17 km E)		16° 05' 00" S 33° 42' 00" E	
Villacuios (see Vilankulo)		22° 00' 00" S 35° 19' 00" E	0 m
Vumba, near Manica		19° 02' 00" S 32° 58' 00" E	4300 m
Wanetsi river (see Vaneteze river)		24° 29' 33" S 32° 10' 17" E	
Xai-Xai, Maputo, 200 km N		25° 03' 07" S 33° 38' 39" E	9 m
(see also: Chai Chai, Joa Belo, João Belo, Shai-Shai, Vila de João Belo, Vila-João-Belo)			
ZambePC:ZA|)			
Zambézia province			
(see also: Zambesia province |PC:ZA|)			
Zimbiti		19° 33' 00" S 34° 45' 00" E	
Zinave, 212 km SSW Beira		21° 26' 12" S 33° 51' 01" E	
Zinave National Park, 5 km N Crus Dubacus Setache		21° 07' 30" S 33° 37' 30" E	
(see also: Crus Dubacus Setache, 5 km N)			
Zinave, 2 km S		21° 21' 00" S 33° 51' 00" E	
Zinave, 2 km SW	ca.	21° 21' 00" S 33° 51' 00" E	
Zinave, 3 km SW	ca.	21° 21' 00" S 33° 51' 00" E	
Zinave, 30 mi [=48 km] NE	ca.	21° 15' 00" S 33° 55' 00" E	
Zinave, 5 km W	ca.	21° 21' 00" S 33° 51' 00" E	
Zinave, ca 50 mi [=80 km] NE (see Gupata (camp))		20° 43' 00" S 34° 30' 00" E	

Namibia:

Aandster, Farm 147 (see Farm Aandster 147)		25° 23' 00" S 16° 04' 00" E	
Alte Feste		22° 37' 30" S 17° 07' 30" E	
Arnheim Farm (see Farm Arnhem)		22° 29' 00" S 18° 08' 00" E	1500 m
Arnhem Cave (Rest Camp)		23° 27' 00" S 18° 32' 00" E	
Arnhem, 80 km E		22° 41' 00" S 18° 08' 00" E	
Aus, 1 km W		26° 40' 00" S 16° 16' 00" E	1483 m
Aus, 3 km W (see Klein Aus Farm 8)		26° 39' 00" S 16° 15' 00" E	
Autabib 100		23° 00' 00" S 17° 41' 00" E	
Bats cave (see Bats Hole)		22° 39' 00" S 15° 31' 00" E	
Bats Hole		22° 39' 00" S 15° 31' 00" E	
(see also: Bats cave)			
Bergdmara (see Okombahe)		21° 40' 00" S 15° 10' 00" E	
Berseba		25° 59' 00" S 17° 47' 00" E	926 m
Bethanien district		26° 30' 00" S 17° 00' 00" E	
Blou-Bok Draai, Etosha, 4 km S, 2 km E Namutoni		18° 56' 00" S 18° 49' 00" E	1100 m
(see also: Namutoni, 4 km S, 2 km E)			
Brandberg Wes Mine		21° 00' 00" S 14° 09' 00" E	
Bruckaros, mount (see Brukkaros, mount)		25° 52' 00" S 17° 48' 00" E	
Brukkaros, mount		25° 52' 00" S 17° 48' 00" E	
(see also: Bruckaros, mount, Geitsi-Gubeb, Geitsigubib, Groot Bruckaros, Groot Brukaros, Mount Brukaros, Mount Brukharos, Mount Brukkaros)			
CapriPC:CA|)			
Catarata Roacana (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Catarata Ruacaná (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Cataratas de Ruacaná (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Chobe River Farm (see Katima Mulilo), Katima Mulilo, Kabuta Village		17° 30' 00" S 24° 16' 00" E	803 m
Cunene Falls			3350 ft
Cunene Falls (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Cunene River	ca.	17° 15' 00" S 11° 45' 00" E	
(see also: Kunene River, Nourse River, Rio Cunene)			
Daan Viljoen Game Park		22° 32' 00" S 16° 58' 00" E	
(see also: Daan Viljoen Park)			
Daan Viljoen Park (see Daan Viljoen Game Park)		22° 32' 00" S 16° 58' 00" E	
Damaraland		21° 00' 00" S 17° 30' 00" E	
(see also: Herero-land, Herreroland)			
De Valle, 40 km N Felseneck		24° 18' 00" S 16° 00' 00" E	
DERU (see Namib Desert Research Station), Gobabeb		23° 33' 00" S 15° 02' 00" E	
Diwai		18° 07' 00" S 21° 37' 00" E	1022 m
Diyogha		18° 05' 00" S 21° 28' 00" E	1037 m
Dosa		18° 13' 00" S 20° 51' 00" E	1061 m
Dose, 2 km S (see Dumushe water)		18° 14' 00" S 20° 52' 00" E	1072 m
Dumushe water, 2 km S Dose		18° 14' 00" S 20° 52' 00" E	1072 m
(see also: Dose, 2 km S)			

E Kamombonde 86, 18 km S, 6 km E Omaruru (see also: Omaruru, 18 km S, 6 km E)	21° 30' 00" S 15° 56' 00" E	
Eausiro W 100, 35 km N, 27 km W Omaruru (see also: Omaruru, 35 km N, 27 km W)		
Eausiro, 27 km W and 100 km W (see Omaruru, 37 km N)	20° 58' 00" S 15° 18' 00" E	
Eenhana	17° 28' 00" S 16° 20' 00" E	1108 m
Ehomba (see also: Ehomba Mountains, Ehombo, Ehomboberge)	17° 35' 00" S 13° 55' 00" E	800 m
Ehomba Mountains (see Ehomba)	17° 35' 00" S 13° 55' 00" E	800 m
Ehombo (see Ehomba)	17° 35' 00" S 13° 55' 00" E	800 m
Ehomboberge (see Ehomba)	17° 35' 00" S 13° 55' 00" E	800 m
Eiseb river, 7 km ESE Vet fence, Therosvallei (see also: Vet fence, 7 km ESE)	20° 37' 30" S 20° 07' 30" E	
Elephant Vlei (see Olifants Vlei)	17° 30' 00" S 18° 00' 00" E	
Elephant Vley (see Olifants Vlei)	17° 30' 00" S 18° 00' 00" E	
Epupa Falls, Cunene River (see also: Monte Negro, Queaas do, Montenegro Fälle, Quedas Montenegro)	17° 00' 00" S 13° 15' 00" E	
Eronga Mountains (see Erongo Mountains)	21° 40' 00" S 15° 40' 00" E	
Erongo Mountains (see also: Eronga Mountains, Erongoberge, Erongo-Gebirge)	21° 40' 00" S 15° 40' 00" E	
Erongo region		
Erongoberge (see Erongo Mountains)	21° 40' 00" S 15° 40' 00" E	
Erongo-Gebirge (see Erongo Mountains)	21° 40' 00" S 15° 40' 00" E	
Erongorus Usakos, Ombu	21° 44' 00" S 15° 29' 00" E	
Etoscha-Pfanne (see Etosha Pan)	18° 50' 00" S 16° 20' 00" E	3373 ft
Etosha Game Park (see Etosha National Park)	19° 00' 00" S 16° 00' 00" E	
Etosha Game Reserve (see Etosha National Park)	19° 00' 00" S 16° 00' 00" E	
Etosha Game Reserve (see Etosha National Park)	19° 00' 00" S 16° 00' 00" E	
Etosha National Game Reserve (see Etosha National Park)	19° 00' 00" S 16° 00' 00" E	
Etosha National Park (see also: Etosha Game Park, Etosha Game Reserve, Etosha Game Reserve, Etosha National Game Reserve, Nasionale Etoshawildtuin)	19° 00' 00" S 16° 00' 00" E	
Etosha Pan (see also: Etoscha-Pfanne)	18° 50' 00" S 16° 20' 00" E	3373 ft
Evergreen Campsite	21° 26' 46" S 15° 52' 45" E	
Farm 111 (Geduld) (see Farm Geduld 111)	20° 17' 49" S 15° 49' 57" E	1020 m
Farm 113 (Musterland) (see Farm Musterland 113)	20° 14' 16" S 15° 53' 00" E	1200 m
Farm 147 (Aandster) (see Farm Aandster 147)	25° 23' 00" S 16° 04' 00" E	
Farm 22 (Ombarahewa) (see Farm Ombarahewa 22)	20° 27' 50" S 16° 18' 32" E	1320 m
Farm 25 (Otjitambi) (see Farm Otjitambi 25)	19° 48' 00" S 15° 11' 00" E	1150 m
Farm 33 (Schwarzerfels) (see Farm Schwarzerfels 33)	20° 27' 15" S 16° 16' 25" E	1400 m
Farm 331 (Kanabeam) (see Farm Kanabeam 331)	28° 09' 00" S 17° 31' 00" E	375 m
Farm 376 (Mooihoek) (see Farm Mooihoek 376)	20° 08' 45" S 15° 52' 48" E	1360 m
Farm 39 (Opelo Süd) (see Farm Opelo Süd 39)	21° 16' 52" S 15° 59' 50" E	1300 m
Farm 397	22° 12' 00" S 18° 58' 00" E	
Farm 428 (Windpoort) (see Farm Windpoort 428)	19° 21' 29" S 15° 29' 02" E	
Farm 468 (Sandfontein) (see Farm Sandfontein 468)	22° 18' 00" S 19° 59' 00" E	4100 ft
Farm 91 (Tjirundo) (see Farm Tjirundo 91)	21° 12' 50" S 15° 52' 20" E	1300 m
Farm Aandster 147 (see also: Aandster, Farm 147, Farm 147 (Aandster))	25° 23' 00" S 16° 04' 00" E	
Farm Arnem (see Farm Arnhem), 80 mi E Windhoek	22° 41' 00" S 18° 08' 00" E	1500 m
Farm Arnheim (see Farm Arnhem), 26.0 km S, 89.0 km W Gobabis (see also: Gobabis, 26.0 km S, 89.0 km W)	22° 29' 00" S 18° 08' 00" E	1500 m
Farm Arnhem, 80 mi E Windhoek; 26.0 km S, 89.0 km W Gobabis (see also: Arnheim Farm, Farm Arnem, Farm Arnheim, Windhoek, 80 mi [=129 km] E)	22° 29' 00" S 18° 08' 00" E	1500 m
Farm Driekrone 516	20° 37' 30" S 14° 37' 30" E	
Farm Eindpaal 429	19° 22' 30" S 15° 37' 30" E	
Farm Etaneno 44, Otjivarongo (see also: Farm Etaneo 44, Osjivarongo, Otjivarongo)	20° 52' 30" S 16° 22' 30" E	
Farm Etaneo 44 (see Farm Etaneno 44), Otjivarongo	20° 52' 30" S 16° 22' 30" E	
Farm Finkenstein, 12 mi [=19 km] E Windhoek (see also: Finkenstein, Farm, Windhoek, 12 mi [=19 km] E)	22° 33' 06" S 17° 14' 47" E	
Farm Geduld 111, 18.9 km S, 35.1 km W Outjo (see also: Outjo, 18.9 km S, 35.1 km W)	20° 16' 37" S 15° 48' 53" E	1100 m

Farm Geduld 111, 21.1 km S, 33.3 km W Outjo (see also: Farm 111 (Geduld), Geduld, Farm 111, Outjo, 21.1 km S, 33.3 km W)	20° 17' 49" S 15° 49' 57" E	1020 m
Farm Ghaub 47, 40 km WNW Grootfontein (see also: Grootfontein, 40 km WNW)	19° 28' 00" S 17° 45' 00" E	
Farm Hohewarte (see also: Hohewarte, Farm, Windhoek, 47 mi [=75 km] E)	22° 38' 29" S 17° 24' 30" E	
Farm Huns 106	27° 23' 00" S 17° 23' 00" E	
Farm Kanaän, 70 km W Helmeringhausen, Edge of Diamond area nr 2 (see also: Helmeringhausen, 70 km W)	25° 52' 00" S 16° 07' 00" E	
Farm Kanabeam 331 (see also: Farm 331 (Kanabeam), Kanabeam, Farm 331)	28° 09' 00" S 17° 31' 00" E	375 m
Farm Mooihoek 376, 4.4 km S, 28.3 km W Outjo (see also: Farm 376 (Mooihoek), Mooihoek, Farm 376, Outjo, 4.4 km S, 28.3 km W)	20° 08' 45" S 15° 52' 48" E	1360 m
Farm Musterland 113, 14.5 km S, 28 km W Outjo (see also: Farm 113 (Musterland), Musterland, Farm 113, Outjo, 14.5 km S, 28 km W)	20° 14' 16" S 15° 53' 00" E	1200 m
Farm Okandukaseibe 27, 47 km S Wilhelmstal (see also: Wilhelmstal, 47 km S)	21° 33' 00" S 16° 06' 00" E	
Farm Okosongomingo 148, 52 km ESE Otjiwarongo (see also: Otjiwarongo, 52 km ESE)		
Farm Ombarahewa 22, 0.7 km N, 35.2 km W Otjiwarongo (see also: Farm 22 (Ombarahewa), Ombarahewa, Farm 22, Otjiwarongo, 0.7 km N, 35.2 km W)	20° 27' 50" S 16° 18' 32" E	1320 m
Farm Ombonde 616, 40 km W Kamanjab (see also: Kamanjab, 40 km W)	19° 33' 00" S 14° 32' 00" E	
Farm Opelo Süd 39, 14.9 km N, 4.6 km E Omaruru (see also: Farm 39 (Opelo Süd), Omaruru, 6 km E, Opelo Süd, Farm 39)	21° 16' 52" S 15° 59' 50" E	1300 m
Farm Otjikoko Sud 61, 48 km ENE Omaruru (see also: Omaruru, 48 km ENE, Pipistrelle Cave)	21° 18' 00" S 16° 27' 00" E	
Farm Otjitambi 25, 20 km S, 35 km E Outjo [Kamanjab] (see also: Farm 25 (Otjitambi), Otjitambi, Farm 25, Outjo, 20 km S, 35 km E)	19° 48' 00" S 15° 11' 00" E	1150 m
Farm Rheinvels, 35 km SSW Keetmanshoop (see also: Keetmanshoop, 35 km SSW)	26° 57' 00" S 17° 26' 00" E	
Farm Sandfontein 468, Gobabis, E (see also: Farm 468 (Sandfontein), Sandfontein (farmstead), Sandfontein, Farm 468)	22° 18' 00" S 19° 59' 00" E	4100 ft
Farm Schwarzerfels 33, 38.8 km W Otjiwarongo (see also: Farm 33 (Schwarzerfels), Otjiwarongo, 38.8 km W, Schwarzerfels, Farm 33)	20° 27' 15" S 16° 16' 25" E	1400 m
Farm Sissekab (see also: Sissekab, Farm)		
Farm Tjirundo 91, Omaruru, 24.5 km N, 7.8 km W (see also: Farm 91 (Tjirundo), Tjirundo, Farm 91)	21° 12' 50" S 15° 52' 20" E	1300 m
Farm Waterberg 416	20° 37' 30" S 17° 22' 30" E	
Farm Welverdiend 328, 89 km ENE Koes (see also: Koes, 89 km ENE)		
Farm Windpoort 428 (see also: Farm 428 (Windpoort), Windpoort Farm 428)	19° 21' 29" S 15° 29' 02" E	
Farm Witwatersrand 521, near Granite kop, Damaraland	20° 52' 30" S 14° 37' 30" E	
Farm Zwartmodder 101, 70 km W Maltahohe (see also: Maltahohe, 70 km W)	24° 54' 00" S 16° 17' 00" E	
Felseneck, 40 km N	24° 18' 00" S 16° 00' 00" E	
Felseneck/Naukluft	24° 22' 00" S 15° 57' 00" E	
Finkenstein, Farm (see Farm Finkenstein), 12 mi [=19 km] E Windhoek	22° 33' 06" S 17° 14' 47" E	
Fish River Canyon	27° 30' 00" S 17° 40' 00" E	600 m
Fockshof (see Nuitsas (farmstead))	19° 17' 00" S 18° 35' 00" E	1500 m
Friedrichswald	22° 18' 36" S 16° 16' 12" E	
Gam	20° 14' 00" S 20° 45' 00" E	1069 m
Gam Waterhole	20° 25' 01" S 20° 58' 01" E	
Ganab water hole	23° 07' 00" S 15° 32' 00" E	
Gaucha (see also: Geusha)	17° 49' 00" S 22° 50' 00" E	983 m
Gauko-Otavi (see Kaoko Otavi)	18° 18' 00" S 13° 42' 00" E	1471 m
Gauko-Otawi (see Kaoko Otavi)	18° 18' 00" S 13° 42' 00" E	1471 m
Gcangcu	17° 57' 00" S 19° 11' 00" E	1143 m

Geduld, Farm 111 (see Farm Geduld 111)		20° 17' 49" S 15° 49' 57" E	1020 m
Geitsi-Gubeb (see Brukkaros, mount)		25° 52' 00" S 17° 48' 00" E	
Geitsigubib (see Brukkaros, mount)		25° 52' 00" S 17° 48' 00" E	
Gemsbok Pan		23° 45' 00" S 19° 05' 00" E	
Geusha (see Gaucha)		17° 49' 00" S 22° 50' 00" E	983 m
Ghaub Farm		19° 29' 02" S 17° 46' 41" E	
Goas		22° 13' 00" S 15° 45' 00" E	
Gobabeb		23° 33' 00" S 15° 02' 00" E	401 m
(see also: Gobabeb Station)			
Gobabeb Station (see Gobabeb), in Villa...		23° 33' 00" S 15° 02' 00" E	401 m
Gobabeb, 19 mi [=30.5 km] (see Swakopmund)		23° 41' 00" S 14° 32' 00" E	1 m
Gobabis		22° 27' 00" S 18° 58' 00" E	4650 ft
Gobabis district		22° 30' 00" S 19° 00' 00" E	
Gobabis, 26.0 km S, 89.0 km W (see Farm Arnheim)		22° 29' 00" S 18° 08' 00" E	1500 m
Gobabis, 40 mi [=64 km] W (see Witvlei)		22° 24' 00" S 18° 29' 00" E	1250 m
Goodhouse (see Goodhouse se Poort)		28° 48' 00" S 18° 15' 00" E	
Goodhouse se Poort		28° 48' 00" S 18° 15' 00" E	
(see also: Goodhouse)			
Gorrasis, 110 km WSW Maltahöhe			
(see also: Maltahohe, 110 km WSW)			
Great Brukoros Mountains			
Great Karas Mountains			
Great Ombathu		17° 46' 00" S 13° 43' 00" E	
Groot Bruckaros (see Brukkaros, mount)		25° 52' 00" S 17° 48' 00" E	
Groot Brukaros (see Brukkaros, mount)		25° 52' 00" S 17° 48' 00" E	
Groot Waterberg Platopark (see Waterberg Platopark)		20° 25' 00" S 17° 15' 00" E	
Grootfontein		19° 34' 00" S 18° 06' 00" E	1250 m
(see also: Groutfontein)			
Grootfontein and Okavango Regions		18° 41' 00" S 19° 00' 00" E	1200 m
Grootfontein district (see Tsumkwe district)		19° 35' 00" S 18° 00' 00" E	
Grootfontein, 40 km WNW (see Farm Ghaub 47)			
Gross Barmen		22° 06' 00" S 16° 45' 00" E	1218 m
Groutfontein (see Grootfontein)		25° 01' 00" S 16° 45' 00" E	1250 m
Halali, 16 km N, 58 km S Okaukuejo		19° 02' 00" S 16° 28' 00" E	1100 m
(see also: Halali Camp, Halali Rest Camp, Halali Ruskamp)			
Halali Camp (see Halali), 16 km N, 58 km S Okaukuejo		19° 02' 00" S 16° 28' 00" E	1100 m
Halali Rest Camp (see Halali), 16 km N, 58 km S Okaukuejo		19° 02' 00" S 16° 28' 00" E	1100 m
Halali Ruskamp (see Halali)		19° 02' 00" S 16° 28' 00" E	
Hardap region			
Harisib, near Tsumeb		19° 07' 00" S 17° 37' 00" E	
Helmeringhausen, 70 km W (see Farm Kanaän), Edge of Diamond area nr 2		25° 52' 00" S 16° 07' 00" E	
Helmeringshausen		25° 53' 00" S 16° 49' 00" E	1390 m
Herero-land (see Damaraland)		21° 00' 00" S 17° 30' 00" E	
Hereroland East		20° 45' 00" S 19° 45' 00" E	
Herreroland (see Damaraland)		21° 00' 00" S 17° 30' 00" E	
Hoanib R., floodplain		19° 23' 00" S 13° 06' 00" E	
Hohewarte, Farm (see Farm Hohewarte)		22° 38' 29" S 17° 24' 30" E	
Hot Spring		22° 37' 00" S 17° 07' 00" E	
Jack Scott Bridge, Haub River		20° 54' 00" S 13° 28' 00" E	
Kabuta Village		17° 48' 00" S 25° 05' 00" E	2900 ft
Kaes, 17 km N, 88 km E (see Welverdien Farm 328)		25° 42' 00" S 19° 59' 00" E	
Kamanjab Kaross, 15 km N, 24 km W		19° 37' 00" S 14° 38' 00" E	1200 m
Kamanjab, 40 km W (see Farm Ombonde 616)		19° 33' 00" S 14° 32' 00" E	
Kamanjab, 40 km W (see Ombonde Farm 616)		19° 34' 00" S 14° 29' 00" E	
Kanabeam, Farm 331 (see Farm Kanabeam 331)		28° 09' 00" S 17° 31' 00" E	375 m
Kano valley (see Kanovlei)		19° 14' 00" S 19° 20' 00" E	1400 m
Kano Vley (see Kanovlei)		19° 16' 00" S 19° 23' 00" E	1400 m
Kanovlei		19° 14' 00" S 19° 20' 00" E	1400 m
(see also: Kano valley, Kano Vley)			
Kaoko Otavi		18° 18' 00" S 13° 42' 00" E	1370 m
(see also: Gauko-Otavi, Gauko-Otawi, Kaoko-Otavi)			
Kaoko Veld, S part	ca.	19° 00' 00" S 13° 00' 00" E	
Kaoko-Otavi (see Kaoko Otavi)		18° 18' 00" S 13° 42' 00" E	1370 m
Karakuwisa (see Karakuwise)		18° 56' 00" S 19° 44' 00" E	1350 m
Karakuwise		18° 56' 00" S 19° 44' 00" E	1350 m
(see also: Karakuwisa, Karkubera)			
Karas region			
Karasberg district (see Karasburg district)		28° 00' 00" S 18° 30' 00" E	
Karasburg district		28° 00' 00" S 18° 30' 00" E	
(see also: Karasberg district, Warmbad district)			
Karibib		21° 56' 00" S 15° 50' 00" E	1139 m
Karibib district			

Karibib or Okahandja			
Karibib, 80 mi [=129 km] E (see Otjimbingwe)		22° 21' 00" S 16° 08' 00" E	844 m
Karkubera (see Karakuwise)		18° 56' 00" S 19° 44' 00" E	1350 m
Karochos		20° 22' 00" S 14° 58' 00" E	
Karolinenhof [farmstead]		22° 27' 00" S 19° 52' 00" E	4000 ft
Katima Molilo (see Katima Mulilo)		17° 30' 00" S 24° 16' 00" E	803 m
Katima Mulilo (see also: Chobe River Farm, Katima Molilo)		17° 30' 00" S 24° 16' 00" E	803 m
Kaudom Omarumba (see Khaudum Omarumba Waterhole)		18° 30' 36" S 20° 46' 27" E	
Kavango East			
Kavango region (see Okavango region)			
Kavango West			
Keetmanshoop		26° 35' 00" S 18° 08' 00" E	984 m
Keetmanshoop district		26° 30' 00" S 19° 00' 00" E	
Keetmanshoop, 35 km SSW (see Farm Rheinvels)		26° 57' 00" S 17° 26' 00" E	
Khaudum Omarumba Waterhole (see also: Kaudom Omarumba)		18° 30' 36" S 20° 46' 27" E	
Khomas region			
Klein Aus Farm 8, 3 km W Aus (see also: Aus, 3 km W)		26° 39' 00" S 16° 15' 00" E	
Klein Namutoni (waterholes) (see also: Sandup)		18° 49' 00" S 16° 57' 00" E	3400 ft
Klein Windhoek		22° 34' 44" S 17° 06' 03" E	1867 m
Kobos, 38 mi SW Rehoboth (see also: Rehoboth, 38 mi [=61 km] SW)		23° 35' 00" S 16° 40' 00" E	1622 m
Kochina		27° 12' 00" S 18° 52' 00" E	
Koës		25° 57' 00" S 19° 07' 00" E	976 m
Koes, 89 km ENE (see Farm Welverdiend 328)			
Kongola ferry area (see also: Kongolo)		17° 48' 00" S 23° 23' 00" E	952 m
Kongolo (see Kongola ferry area)		17° 48' 00" S 23° 23' 00" E	952 m
Kriess/White Rand		25° 02' 00" S 18° 13' 01" E	
Kuibis (farmstead)		26° 41' 00" S 16° 52' 00" E	
Kuiseb River, Gobabeb		23° 22' 00" S 15° 40' 00" E	
Kunene region			
Kunene River (see Cunene River)	ca.	17° 15' 00" S 11° 45' 00" E	
Lianshulu		18° 10' 00" S 23° 25' 00" E	
Liebig's Ranch		22° 38' 00" S 16° 53' 00" E	
Linyandi		18° 06' 00" S 24° 02' 00" E	2900 ft
Lisikili, lake	ca.	17° 33' 00" S 24° 26' 00" E	
Litembo			
Lüderitz district		25° 30' 00" S 16° 00' 00" E	
Makuri pan, 9 km W, Bushmanland		19° 41' 00" S 20° 39' 00" E	
Maltahöhe district		25° 00' 00" S 16° 30' 00" E	
Maltahohe, 110 km WSW (see Gorrasis)			400 m
Maltahohe, 70 km W (see Farm Zwartmodder 101)		24° 54' 00" S 16° 17' 00" E	
Marienthal		24° 38' 00" S 17° 58' 00" E	1114 m
Maschi river		17° 47' 00" S 23° 20' 00" E	1000 m
Matchless Mine, between Windhoek & Rehoboth		22° 41' 00" S 16° 50' 00" E	1800 m
Mbambi (see also: Mbumbi)		17° 28' 00" S 18° 28' 00" E	1103 m
Mbambi		17° 55' 00" S 21° 00' 00" E	900 m
Mbumbi (see Mbambi)		17° 28' 00" S 18° 28' 00" E	1103 m
Monte Negro, Queaas do (see Epupa Falls), Cunene River		17° 00' 00" S 13° 15' 00" E	
Montenegro Fälle (see Epupa Falls), Cunene River		17° 00' 00" S 13° 15' 00" E	
Mooihoek, Farm 376 (see Farm Mooihoek 376)		20° 08' 45" S 15° 52' 48" E	1360 m
Mount Brukaros (see Brukkaros, mount)		25° 52' 00" S 17° 48' 00" E	
Mount Brukharos (see Brukkaros, mount)		25° 52' 00" S 17° 48' 00" E	
Mount Brukkaros (see Brukkaros, mount)		25° 52' 00" S 17° 48' 00" E	
Mount Raupenhelm, near (see also: Raupenhelm, near mount)			
Muckwe district			
Musterland, Farm 113 (see Farm Musterland 113)		20° 14' 16" S 15° 53' 00" E	1200 m
Nama dam (see Nama pan), Bushmanland		19° 54' 00" S 20° 43' 00" E	
Nama dam (see Nama pan), Bushmanland		19° 54' 00" S 20° 43' 00" E	
Nama pan, Bushmanland (see also: Nama dam, Nama dam)		19° 54' 00" S 20° 43' 00" E	
Namib Berge (see Tiras Mountains)		26° 08' 00" S 16° 30' 00" E	
Namib Desert Park (see also: Namib Woestynpark, Namib-Naukluft Desert Park)		23° 05' 00" S 15° 10' 00" E	
Namib Desert Research Station, Gobabeb (see also: DERU)		23° 33' 00" S 15° 02' 00" E	
Namib Woestynpark (see Namib Desert Park)		23° 05' 00" S 15° 10' 00" E	

Namibia			
Namib-Naukluft Desert Park (see Namib Desert Park)		23° 05' 00" S 15° 10' 00" E	
Nampini		17° 51' 00" S 23° 20' 00" E	2900 ft
Namutoni		18° 48' 00" S 16° 59' 00" E	1092 m
Namutoni Rest Camp		18° 49' 00" S 16° 58' 00" E	1000 m
Namutoni, 4 km S, 2 km E (see Blou-Bok Draai, Etosha)		18° 56' 00" S 18° 49' 00" E	1100 m
Nasib, near Tsumeb		19° 07' 00" S 17° 37' 00" E	
Nasionale Etoshawildtuin (see Etosha National Park)		19° 00' 00" S 16° 00' 00" E	
Nassengehöhle			
Naukluft Mountain Zebra Park (see also: Naukluft National Park)		24° 13' 00" S 16° 13' 00" E	
Naukluft National Park (see Naukluft Mountain Zebra Park)		24° 13' 00" S 16° 13' 00" E	
Neuhof-Kowas Farm, near Windhoek		22° 34' 00" S 17° 06' 00" E	
New Dam		22° 34' 00" S 17° 06' 00" E	
Ngweze		17° 29' 00" S 24° 15' 00" E	
Nourse River (see Cunene River)	ca.	17° 15' 00" S 11° 45' 00" E	
Nuichan (see Nuitsas (farmstead))		19° 17' 00" S 18° 35' 00" E	1500 m
Nuitsas (farmstead) (see also: Fockshof, Nuichan, Nuitsas Farm)		19° 17' 00" S 18° 35' 00" E	1500 m
Nuitsas Farm (see Nuitsas (farmstead))		19° 17' 00" S 18° 35' 00" E	1500 m
Numkaub		18° 36' 00" S 19° 42' 00" E	1250 m
Nyangana		18° 00' 00" S 20° 41' 00" E	1020 m
Oakwengaga		22° 40' 00" S 14° 50' 00" E	
Oas (farmstead)		22° 36' 00" S 19° 24' 00" E	
Oemabantoe (see Ombalantu)		17° 30' 00" S 14° 58' 00" E	
Ohamuheke (see Sesfontein)		19° 08' 00" S 13° 37' 00" E	628 m
Ohangwena region			
Ohopoho (see Opuwo)		18° 04' 00" S 13° 51' 00" E	1194 m
Ohopuho (see Opuwo)		18° 04' 00" S 13° 51' 00" E	1194 m
Okadjessoambo			
Okahandja (see also: Okahanja)		21° 59' 00" S 16° 55' 00" E	1324 m
Okahandja district		21° 40' 00" S 17° 20' 00" E	
Okahanja (see Okahandja)		21° 59' 00" S 16° 55' 00" E	1324 m
Okambe, 10 mi [=16 km] NE	ca.	20° 48' 00" S 15° 02' 00" E	
Okashana		18° 23' 55" S 16° 36' 44" E	
Okatana (see Oshakati), Onimuandi, 12 km S		17° 47' 00" S 15° 41' 00" E	1074 m
Okatjomboa		21° 30' 00" S 18° 30' 00" E	1500 m
Okatumba SA197 [Farmstead], 30 km N, 68 km E Windhoek (see also: Windhoek, 30 km N, 68 km E)		22° 19' 00" S 17° 40' 00" E	
Okatumba Sud		22° 37' 30" S 17° 52' 30" E	
Okaukuejo Rest Camp (see also: Okaukueyo Rest Camp)		19° 10' 57" S 15° 54' 43" E	1100 m
Okaukueyo Rest Camp (see Okaukuejo Rest Camp)		19° 10' 57" S 15° 54' 43" E	1100 m
Okavango region (see also: Kavango region)			
Okavango-Omataka river junction		17° 57' 10" S 20° 28' 20" E	1080 m
Okombahe (see also: Bergdmara, Okombahe Native Reserve, Reserwe Okombahe)		21° 40' 00" S 15° 10' 00" E	
Okombahe Native Reserve (see Okombahe)		21° 40' 00" S 15° 10' 00" E	
Okombahe, 10 mi [=16 km] W		21° 17' 35" S 15° 15' 43" E	
Okombane district			
Okorosave		18° 11' 00" S 13° 50' 00" E	1370 m
Olifants Vlei (see also: Elephant Vlei, Elephant Vley, Olifant's Vlei)		18° 00' 00" S 17° 30' 00" E	
Olifant's Vlei (see Olifants Vlei)		17° 30' 00" S 18° 00' 00" E	
Omaheke region			
Omaruru		21° 26' 00" S 15° 56' 00" E	1185 m
Omaruru district		21° 30' 00" S 16° 00' 00" E	
Omaruru, 18 km S, 6 km E (see E Kamombonde 86)		21° 30' 00" S 15° 56' 00" E	
Omaruru, 35 km N, 27 km W (see Eausiro W 100)			
Omaruru, 37 km N, 27 km W and 100 km W Eausiro (see also: Eausiro, 27 km W and 100 km W)		20° 58' 00" S 15° 18' 00" E	
Omaruru, 48 km ENE (see Farm Otjikoko Sud 61)		21° 18' 00" S 16° 27' 00" E	
Omaruru, 6 km E (see Farm Opelo Süd 39)		21° 16' 52" S 15° 59' 50" E	1300 m
Omatagous		21° 58' 00" S 16° 55' 00" E	
Ombalantu (see also: Oemabantoe)		17° 30' 00" S 14° 58' 00" E	
Ombarahewa, Farm 22 (see Farm Ombarahewa 22)		20° 27' 50" S 16° 18' 32" E	1320 m
Ombombo (waterhole)		18° 41' 00" S 13° 57' 00" E	1400 m
Ombonde Farm 616, 40 km W Kamanjab (see also: Kamanjab, 40 km W)		19° 34' 00" S 14° 29' 00" E	

Ombu		21° 40' 00" S 15° 44' 00" E	
Omburo (farmstead)		21° 18' 00" S 16° 12' 00" E	
(see also: Omburu)			
Omburu (see Omburo (farmstead))		21° 18' 00" S 16° 12' 00" E	
Omega		18° 03' 00" S 22° 11' 00" E	
Omega, 12 km E		18° 07' 30" S 22° 22' 30" E	
Omuramba Khaundum, S Fork near junction with N Fork, 66 km S 113 km E Rundu			
(see also: Rundu, 66 km S 113 km E)			
Omuramba, Omatako		17° 57' 10" S 20° 28' 20" E	
Omusati region			
Ondangua (see Ondangwa)		17° 55' 00" S 15° 57' 00" E	1080 m
Ondangwa		17° 55' 00" S 15° 57' 00" E	1080 m
(see also: Ondangua, Ondonga, Ondongwa)			
Ondangwa district			
Ondonga (see Ondangwa)		17° 55' 00" S 15° 57' 00" E	1080 m
Ondongera			3380 ft
Ondongwa (see Ondangwa)		17° 55' 00" S 15° 57' 00" E	1080 m
Ondongwa, 32 km W (see Otjoro)		22° 15' 00" S 16° 10' 00" E	
Onguma		17° 54' 00" S 16° 07' 00" E	1073 m
Onimuandi, 12 km S (see Oshakati)		17° 47' 00" S 15° 41' 00" E	1074 m
Opelo Süd, Farm 39 (see Farm Opelo Süd 39)		21° 16' 52" S 15° 59' 50" E	1300 m
Opuwa (see Opuwo)		18° 04' 00" S 13° 51' 00" E	1194 m
Opuwo		18° 04' 00" S 13° 51' 00" E	1194 m
(see also: Ohopoho, Ohopuho, Opuwa)			
Opuwo district			
Orange Mouth (see Oranjemund), Swartkop Diamond area Nr 1		28° 33' 00" S 16° 26' 00" E	29 m
Orangemund (see Oranjemund), Swartkop Diamond area Nr 1		28° 33' 00" S 16° 26' 00" E	29 m
Oranjemond (see Oranjemund), Swartkop Diamond area Nr 1		28° 33' 00" S 16° 26' 00" E	29 m
Oranjemund, Swartkop Diamond area Nr 1		28° 33' 00" S 16° 26' 00" E	29 m
(see also: Orange Mouth, Orangemund, Oranjemond, Swartkop Diamond Area No.1)			
Orongo Water Affairs Camp		17° 42' 00" S 15° 17' 00" E	
Oserikari			
Oshakati, Onimuandi, 12 km S		17° 47' 00" S 15° 41' 00" E	1074 m
(see also: Okatana, Onimuandi, 12 km S)			
Oshana region			
Oshikanga (see Oshikango)		17° 24' 00" S 15° 53' 00" E	1099 m
Oshikango		17° 24' 00" S 15° 53' 00" E	1099 m
(see also: Oshikanga)			
Oshikoto region			
Osjitambi farm, Kaoko Veld, ca. 80 mi NW Outjo			
(see also: Outjo, ca. 80 mi [=129 km] NW)			
Osjivarongo (see Farm Etaneno 44)		20° 52' 30" S 16° 22' 30" E	
Osohama		18° 32' 00" S 16° 49' 00" E	1250 m
Otavi, 25.2 km N, 23.5 km W (see Tkai-Tkab Sinkhole, Etosha)		19° 20' 30" S 17° 20' 30" E	1300 m
Otjihoro (see Otjoro), 32 km W Ondongwa,		22° 15' 00" S 16° 10' 00" E	
Otjihua 180 (farmstead), 33 km N, 74 km E Windhoek		22° 06' 00" S 17° 55' 00" E	
(see also: Windhoek, 33 km N, 74 km E)			
Otjihua 182, 33 km N, 74 km E Windhoek		22° 06' 00" S 17° 55' 00" E	
(see also: Windhoek, 33 km N, 74 km E)			
Otjihua 185, 33 km N, 74 km E Windhoek		22° 06' 00" S 17° 55' 00" E	
(see also: Windhoek, 33 km N, 74 km E)			
Otjikoko Sud 61, 48 km ENE Omaruru		21° 18' 00" S 16° 27' 00" E	
Otjimbingue (see Otjimbingwe), 80 mi E Karibib		22° 21' 00" S 16° 08' 00" E	844 m
Otjimbingwe, 80 mi E Karibib		22° 21' 00" S 16° 08' 00" E	844 m
(see also: Karibib, 80 mi [=129 km] E, Otjimbingue)			
Otjimbojo			
Otjitambi, Farm 25 (see Farm Otjitambi 25)		19° 48' 00" S 15° 11' 00" E	1150 m
Otjitotongwe Farm		19° 36' 22" S 15° 04' 11" E	
Otjitundua (see Otjitunduwa)		18° 37' 00" S 14° 08' 00" E	1517 m
Otjitunduwa		18° 37' 00" S 14° 08' 00" E	1517 m
(see also: Otjitundua)			
Otjivarongo (see Farm Etaneno 44)		20° 52' 30" S 16° 22' 30" E	
Otjiwarongo district			
Otjiwarongo, 0.7 km N, 35.2 km W (see Farm Ombarahewa 22)		20° 27' 50" S 16° 18' 32" E	1320 m
Otjiwarongo, 38.8 km W (see Farm Schwarzerfels 33)		20° 28' 13" S 16° 16' 25" E	1400 m
Otjiwarongo, 52 km ESE (see Farm Okosongomingo 148)			
Otjiwarongo, 80 km E (see Otjosangombe)	ca.	20° 21' 22" S 17° 54' 38" E	

Otjoro, 32 km W Ondongwa, (see also: Ondongwa, 32 km W, Otjihoro)		22° 15' 00" S 16° 10' 00" E	
Otjosangombe, 80 km E Otjiwarongo (see also: Otjiwarongo, 80 km E)	ca.	20° 21' 22" S 17° 54' 38" E	
Otjosongombe (see Otjozongombe), Waterberg		18° 50' 00" S 13° 58' 00" E	1271 m
Otjozondjupa, Kano Vlei		19° 22' 00" S 19° 07' 00" E	
Otjozondjupa region			
Otjozongombe, Waterberg (see also: Otjosongombe)		18° 50' 00" S 13° 58' 00" E	1271 m
Otjumbumbi, N.W. Ovamboland, 15 mi above Cunene Falls, Cunene river		17° 24' 00" S 14° 25' 00" E	3400 ft
Otyo (see Outjo)		20° 07' 00" S 16° 09' 00" E	1216 m
Otyo district (see Outjo district)		19° 30' 00" S 15° 30' 00" E	
Outjo (see also: Otyo)		20° 07' 00" S 16° 09' 00" E	1216 m
Outjo district (see also: Otyo district)		19° 30' 00" S 15° 30' 00" E	
Outjo, 14.5 km S, 28 km W (see Farm Musterland 113)		20° 14' 16" S 15° 53' 00" E	1200 m
Outjo, 18.9 km S, 35.1 km W (see Farm Geduld 111)		20° 16' 37" S 15° 48' 53" E	1100 m
Outjo, 20 km S, 35 km E (see Farm Otjitambi 25)		19° 48' 00" S 15° 11' 00" E	1150 m
Outjo, 21.1 km S, 33.3 km W (see Farm Geduld 111)		20° 17' 49" S 15° 49' 57" E	1020 m
Outjo, 4.4 km S, 28.3 km W (see Farm Mooihoek 376)		20° 08' 45" S 15° 52' 48" E	1360 m
Outjo, ca. 80 mi [=129 km] NW (see Osjitambi farm), Kaoko Veld			
Papa Falls		18° 07' 30" S 21° 37' 30" E	
Pioniers Park, Windhoek		22° 36' 00" S 17° 03' 51" E	1694 m
Pipistrelle Cave (see Farm Otjikoko Sud 61), 48 km ENE Omaruru		21° 18' 00" S 16° 27' 00" E	
Qoabendus		19° 17' 00" S 14° 31' 00" E	1205 m
Quedas do Ruacaná (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Quedas Montenegro (see Epupa Falls), Cunene River		17° 00' 00" S 13° 15' 00" E	
Quickborn		21° 07' 00" S 17° 07' 00" E	
Raupenhelm, near mount (see Mount Raupenhelm, near)			
Rehderstal ranch			
Rehobot district			
Rehoboth		23° 19' 00" S 17° 05' 00" E	1382 m
Rehoboth Mission Station, 32 mi [=51.5 km] NW (see Ukualukasi)		17° 32' 00" S 14° 37' 00" E	3400 ft
Rehoboth, 38 mi [=61 km] SW (see Kobos)		23° 35' 00" S 16° 40' 00" E	1622 m
Reserwe Okombahe (see Okombahe)		21° 40' 00" S 15° 10' 00" E	
Richthoven		22° 38' 00" S 14° 44' 00" E	110 m
Rio Cunene (see Cunene River)	ca.	17° 15' 00" S 11° 45' 00" E	
Roacana, Catarata (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Rooibank, near Sandwich Bay		23° 11' 00" S 14° 39' 00" E	148 m
Rosh Pina (see Rosh Pinah)		27° 57' 00" S 16° 46' 00" E	
Rosh Pinah (see also: Rosh Pina)		27° 57' 00" S 16° 46' 00" E	
Rua Cana (see Ruacana)		17° 26' 00" S 14° 21' 00" E	1146 m
Ruacana (see also: Rua Cana)		17° 26' 00" S 14° 21' 00" E	1146 m
Ruacana Falls (see also: Catarata Roacana, Catarata Ruacaná, Cataratas de Ruacaná, Cunene Falls, Quedas do Ruacaná, Roacana, Catarata, Ruacaná, Catarata, Ruacaná, Cataratas de, Ruacaná, Quedas do)		17° 23' 00" S 14° 12' 00" E	3350 ft
Ruacaná, Catarata (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Ruacaná, Cataratas de (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Ruacaná, Quedas do (see Ruacana Falls)		17° 23' 00" S 14° 12' 00" E	3350 ft
Rundu district			
Rundu, 66 km S 113 km E (see Omuramba Khaundum, S Fork near junction with N Fork)			
Sambio, ca. 35 mi [=56 km] SE (see Ssanukanu)		18° 06' 00" S 20° 23' 00" E	
Samsitu campsite, W of Rundu		17° 51' 01" S 19° 40' 07" E	
Sandfontein (farmstead) (see Farm Sandfontein 468)		22° 18' 00" S 19° 59' 00" E	4100 ft
Sandfontein, Farm 468 (see Farm Sandfontein 468)		22° 18' 00" S 19° 59' 00" E	4100 ft
Sandup (see Klein Namutoni (waterholes))		18° 49' 00" S 16° 57' 00" E	3400 ft
Sangwali, on Linyanti river		18° 16' 00" S 23° 38' 00" E	956 m
Schwarzerfels, Farm 33 (see Farm Schwarzerfels 33)		20° 27' 15" S 16° 16' 25" E	1400 m
Sesfontein (see also: Ohamuheke, Zesfontein, Zessfontein)		19° 08' 00" S 13° 37' 00" E	628 m
Sissekab, Farm (see Farm Sissekab)			
Skedelkus Park (see Skeleton Coast Park)		20° 00' 00" S 13° 20' 00" E	
Skeleton Coast Park (see also: Skedelkus Park)		20° 00' 00" S 13° 20' 00" E	
Spitzkopje		26° 24' 00" S 18° 28' 00" E	

Ssannakanu village		18° 06' 00" S 20° 23' 00" E	1100 m
Ssanukanu, ca. 35 mi SE Sambio		18° 06' 00" S 20° 23' 00" E	
(see also: Sambio, ca. 35 mi [=56 km] SE)			
Swakopmund, 19 mi from Gobabeb		23° 41' 00" S 14° 32' 00" E	1 m
(see also: Gobabeb, 19 mi [=30.5 km])			
Swakopmund district		23° 00' 00" S 15° 00' 00" E	
Swartbooisdrift, Cunene river		17° 20' 00" S 13° 50' 00" E	
Swartkop Diamond Area No.1 (see Oranjemund)		28° 33' 00" S 16° 26' 00" E	29 m
Tiras Mountains		26° 08' 00" S 16° 30' 00" E	
(see also: Namib Berge, Tirasberge)			
Tirasberge (see Tiras Mountains)		26° 08' 00" S 16° 30' 00" E	
Tjirundo, Farm 91 (see Farm Tjirundo 91)		21° 12' 50" S 15° 52' 20" E	1300 m
Tkai-Tkab Sinkhole, Etosha, 25.2 km N, 23.5 km W Otavi		19° 20' 30" S 17° 20' 30" E	1300 m
(see also: Otavi, 25.2 km N, 23.5 km W)			
Tshimhaka, Cunene river		17° 20' 00" S 13° 50' 00" E	670 m
Tsotsana, 18 km W		19° 04' 00" S 20° 37' 00" E	
Tsumkwe district			
(see also: Grootfontein district)			
Tumasberg		23° 07' 30" S 15° 37' 30" E	
Twee Koppies (see Tweekoppies)		22° 58' 00" S 17° 24' 00" E	1696 m
Tweekoppies		22° 58' 00" S 17° 24' 00" E	1696 m
(see also: Twee Koppies)			
Uis Tin Mine		21° 14' 00" S 14° 52' 00" E	
(see also: United States' Tine Mine)			
Ukualuisi		17° 32' 00" S 14° 37' 00" E	3390 ft
Ukualukasi, 32 mi NW Rehoboth Mission Station		17° 32' 00" S 14° 37' 00" E	3400 ft
(see also: Rehoboth Mission Station, 32 mi [=51.5 km] NW)			
United States' Tine Mine (see Uis Tin Mine)		21° 14' 00" S 14° 52' 00" E	
Uutapi district			
Vet fence, 7 km ESE (see Eiseb river), Therosvallei		20° 37' 30" S 20° 07' 30" E	
Walfischbay (see Walvis Bay)		22° 57' 27" S 14° 30' 19" E	17 m
Walfisch-Bucht-Niederland (see Walvis Bay)		22° 57' 27" S 14° 30' 19" E	17 m
Walvis Bay		22° 57' 27" S 14° 30' 19" E	17 m
(see also: Walfischbay, Walfisch-Bucht-Niederland, Walvisbaai)			
Walvisbaai (see Walvis Bay)		22° 57' 27" S 14° 30' 19" E	17 m
Warmbad district (see Karasburg district)		28° 00' 00" S 18° 30' 00" E	
Waterberg Plateau National Park (see Waterberg Platopark)		20° 25' 00" S 17° 15' 00" E	
Waterberg Platopark		20° 25' 00" S 17° 15' 00" E	
(see also: Groot Waterberg Platopark, Waterberg Plateau National Park)			
Welverdien Farm 328, 17 km N, 88 km E Kaes		25° 42' 00" S 19° 59' 00" E	
(see also: Kaes, 17 km N, 88 km E)			
Wilhelmstal, 47 km S (see Farm Okandukaseibe 27)		21° 33' 00" S 16° 06' 00" E	
Windhoek		22° 34' 12" S 17° 05' 01" E	1721 m
(see also: Windhuk)			
Windhoek district			
Windhoek Hoerskloof		22° 37' 30" S 17° 07' 30" E	
Windhoek, 12 mi [=19 km] E (see Farm Finkenstein)		22° 33' 06" S 17° 14' 47" E	
Windhoek, 30 km N, 68 km E (see Okatumba SA197 [Farmstead])		22° 19' 00" S 17° 40' 00" E	
Windhoek, 33 km N, 74 km E (see Otjihua 180 (farmstead))		22° 06' 00" S 17° 55' 00" E	
Windhoek, 33 km N, 74 km E (see Otjihua 182)		22° 06' 00" S 17° 55' 00" E	
Windhoek, 33 km N, 74 km E (see Otjihua 185)		22° 06' 00" S 17° 55' 00" E	
Windhoek, 47 mi [=75 km] E (see Farm Hohewarte)		22° 38' 29" S 17° 24' 30" E	
Windhoek, 80 mi [=129 km] E (see Farm Arnhem)		22° 41' 00" S 18° 08' 00" E	1500 m
Windhuk (see Windhoek)		22° 34' 12" S 17° 05' 01" E	1721 m
Windoek, 30 km N, 68 km E	ca.	22° 06' 00" S 17° 55' 00" E	
Windpoort Farm 428 (see Farm Windpoort 428)		19° 21' 29" S 15° 29' 02" E	
Witvlei, 40 mi [=64 km] W Gobabis		22° 24' 00" S 18° 29' 00" E	1250 m
(see also: Gobabis, 40 mi [=64 km] W, Witvley)			
Witvley (see Witvlei), 40 mi [=64 km] W Gobabis		22° 24' 00" S 18° 30' 00" E	1250 m
Witwatersrand			
Zambezi region			
(see also: Caprivi region |PC:CA|)			
Zesfontein (see Sesfontein)		19° 08' 00" S 13° 37' 00" E	628 m
Zessfontein (see Sesfontein)		19° 08' 00" S 13° 37' 00" E	628 m
Zwartmodder 101, Maltahöhe		24° 54' 00" S 16° 17' 00" E	

Niger:

Agadem		16° 50' 00" N 13° 17' 00" E	511 m

Agadez region			
Arhli (see Arlit)		18° 44' 13" N 7° 23' 07" E	439 m
Arlit		18° 44' 13" N 7° 23' 07" E	439 m
(see also: Arhli)			
Batrakum	ca.	16° 25' 00" N 7° 15' 00" E	
Bilma (see Bilma Garin Dawa)		13° 53' 16" N 8° 43' 27" E	493 m
Bilma Garin Dawa		13° 53' 16" N 8° 43' 27" E	493 m
(see also: Bilma)			
Bolsi, 6 km NW		13° 20' 25" N 1° 11' 44" E	
Bourem (see Bourèm Géjiram)		13° 25' 00" N 11° 29' 30" E	
Bourèm Géjiram		13° 25' 00" N 11° 29' 30" E	
(see also: Bourem)			
Chirfa		20° 57' 12" N 12° 20' 26" E	601 m
Chirfa Driga		20° 57' 12" N 12° 20' 26" E	601 m
Diffa region			
Dosso region			
Gaya, 17 km W (see Tenda)		11° 59' 19" N 3° 18' 56" E	209 m
In Gall (see Ingal)		16° 47' 10" N 6° 56' 01" E	456 m
Ingal		16° 47' 10" N 6° 56' 01" E	456 m
(see also: In Gall, In-Gal, I-n-Gall)			
In-Gal (see Ingal)		16° 47' 10" N 6° 56' 01" E	456 m
I-n-Gall (see Ingal)		16° 47' 10" N 6° 56' 01" E	456 m
La Tapoa		12° 29' 31" N 2° 21' 36" E	225 m
(see also: Tapoa)			
La Tapoa, 1 km N		12° 29' 31" N 2° 21' 36" E	
(see also: Tapoa, 1 km N)			
La Tapoa, 2 km E		12° 36' 00" N 2° 29' 00" E	
(see also: Tapoa, 2 km E)			
La Tapoa, 21 km E		12° 30' 00" N 2° 33' 00" E	
(see also: Tapoa, 21 km E)			
La Tapoa, 21 km S	ca.	12° 11' 00" N 2° 20' 00" E	
(see also: Tapoa, 21 km S)			
La Tapoa, 28 km S	ca.	12° 10' 54" N 2° 20' 05" E	
(see also: Tapoa, 28 km S)			
La Tapoa, 29 km S	ca.	12° 10' 54" N 2° 20' 05" E	
(see also: Tapoa, 29 km S)			
Maradi		13° 29' 30" N 7° 05' 47" E	383 m
Maradi region			
Niamey		13° 31' 00" N 2° 07' 00" E	207 m
Niamey region			
Niamey, 12.9 km W	ca.	13° 30' 50" N 1° 59' 53" E	
Niamey, 25 km S	ca.	13° 21' 18" N 2° 08' 03" E	
Niamey, 8 km W	ca.	13° 30' 45" N 2° 01' 45" E	
Niger			
Nim tree Forest	ca.	13° 31' 00" N 2° 07' 00" E	
Park West		12° 36' 00" N 2° 29' 00" E	
Saba		14° 26' 26" N 1° 06' 23" E	
Tahaoua		14° 54' 00" N 5° 16' 00" E	
Tahoua region			
Talantegau (see Talantégou)		12° 29' 45" N 2° 44' 44" E	166 m
Talantégou		12° 29' 45" N 2° 44' 44" E	166 m
(see also: Talantegau)			
Tanda (see Tenda), 17 km W Gaya		11° 59' 19" N 3° 18' 56" E	209 m
Tapoa (see La Tapoa)		12° 29' 31" N 2° 21' 36" E	225 m
Tapoa, 1 km N (see La Tapoa, 1 km N)		12° 29' 31" N 2° 21' 36" E	
Tapoa, 12 km E		12° 29' 12" N 2° 31' 58" E	
Tapoa, 2 km E (see La Tapoa, 2 km E)		12° 36' 00" N 2° 29' 00" E	
Tapoa, 21 km E (see La Tapoa, 21 km E)		12° 30' 00" N 2° 33' 00" E	
Tapoa, 21 km S (see La Tapoa, 21 km S)	ca.	12° 11' 00" N 2° 20' 00" E	
Tapoa, 28 km S (see La Tapoa, 28 km S)	ca.	12° 10' 54" N 2° 20' 05" E	
Tapoa, 29 km S (see La Tapoa, 29 km S)	ca.	12° 10' 54" N 2° 20' 05" E	
Tebeig Asben		16° 40' 00" N 8° 30' 00" E	
Tenda, 17 km W Gaya		11° 59' 19" N 3° 18' 56" E	209 m
(see also: Gaya, 17 km W, Tanda)			
Tillaberi region			
Toudou mines		12° 28' 27" N 2° 27' 29" E	
Zinder		13° 48' 00" N 8° 59' 00" E	479 m
Zinder region			
Zinder, near	ca.	13° 48' 00" N 8° 59' 00" E	

Nigeria:

Abeokuta		7° 09' 00" N 3° 21' 00" E	66 m
Abo, Lower Niger river			
Abonnema			

Abuja		9° 05' 00" N 7° 32' 00" E	777 m
Abuja Federal Captital Territory			
AbujaPC:FC|)			
(see also: Abuja state |PC:FC|)			
Abulschi			
ACWA (see Adventist College of West Africa (ACWA)), 1.6 km SE Ilishan-Remo		6° 53' 42" N 3° 42' 51" E	76 m
Adamawa state			
Adiabo Ikot Mbo, Calabar		5° 03' 20" N 8° 19' 31" E	
(see also: Ikot Mbo, Ikotmbo)			
Adventist College of West Africa (ACWA), 1.6 km SE Ilishan-Remo		6° 53' 42" N 3° 42' 51" E	76 m
(see also: ACWA, Ilisham Remo, 1 mi [=1.6 km] SE, Ilishan-Remo, 1.6 km SE)			
Afon		8° 19' 00" N 4° 32' 00" E	310 m
Agege, 15 mi [=24 km] N of Lagos		6° 37' 19" N 3° 19' 33" E	41 m
(see also: Lagos, 15 mi [=24 km] N)			
Ago Shasha, 6 mi [=9.7 km] N (see Iloshi, 4 mi [=6.4 km] S)	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
Aguleri, Anambra Creek		6° 20' 00" N 6° 53' 00" E	82 m
(see also: Anambra Creek)			
Aguleri,1.5 mi [=2.4 km] E		6° 20' 00" N 6° 53' 00" E	
Akwa Ibom state			
Alabe		8° 29' 00" N 5° 08' 00" E	334 m
Alimbo Ferry Road, near Calabar		5° 00' 00" N 8° 00' 00" E	
Anambra Creek (see Aguleri)		6° 20' 00" N 6° 53' 00" E	82 m
Anambra state			
Apapa, 6 mi E Lagos		6° 26' 44" N 3° 21' 33" E	34 m
(see also: Lagos, 6 mi [=9.7 km] E)			
Araba		13° 13' 00" N 5° 02' 00" E	252 m
(see also: Araba Birni)			
Araba Birni (see Araba)		13° 13' 00" N 5° 02' 00" E	252 m
Arusu		8° 42' 00" N 8° 09' 00" E	299 m
(see also: Arusua)			
Arusua (see Arusu), near Pandam		8° 42' 00" N 8° 09' 00" E	
Asaba, 150 mi up the Niger		6° 11' 00" N 6° 45' 00" E	54 m
Asaba, 5 mi [=8 km] N	ca.	6° 11' 00" N 6° 45' 00" E	
Ayangba		7° 30' 13" N 7° 10' 28" E	234 m
Ayip Eku [estate]		5° 35' 00" N 8° 45' 00" E	
Bacita		9° 05' 00" N 4° 57' 00" E	100 m
(see also: Basita)			
Baga-Kawa, Lake Tchad		13° 05' 39" N 13° 49' 19" E	279 m
Basita (see Bacita)		9° 05' 00" N 4° 57' 00" E	100 m
Bauchi, Yankari Game Reserve			
Bauchi state			
Bayelsa state			
Benim (see Benin-City), Sapoba		6° 20' 00" N 5° 38' 00" E	77 m
Bénin (see Benin-City), Sapoba		6° 20' 00" N 5° 38' 00" E	77 m
Benin City, 30 mi [=48 km] W (see Okomu Forest Reserve)		6° 18' 46" N 5° 14' 01" E	
Benin Native Area (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City		6° 18' 46" N 5° 14' 01" E	
Benin-City, Sapoba		6° 20' 00" N 5° 38' 00" E	77 m
(see also: Benim, Bénin)			
Benue state			
Bichi, 1 mi W		12° 14' 03" N 8° 14' 28" E	535 m
Bida, 8 mi [=13 km] E (see Tsanchaga)		9° 06' 00" N 6° 09' 00" E	
Birnin-Kudu, 75 mi [=120 km] SE Kano		11° 27' 00" N 8° 30' 00" E	460 m
(see also: Birninkudu, Kano, 75 mi [=120 km] SE)			
Birninkudu (see Birnin-Kudu), 75 mi [=120 km] SE Kano		11° 27' 00" N 8° 30' 00" E	460 m
Borgu Game Reserve		10° 15' 00" N 4° 10' 00" E	
Borno state			
Calabar		4° 57' 00" N 8° 19' 00" E	97 m
Calabar (see Igbo-Ora)		7° 26' 00" N 3° 17' 00" E	380 m
Calabar, 15 mi [=24 km] N		5° 13' 00" N 8° 12' 00" E	
Chappal Waddi (see Ouadé, Tchabal)		7° 02' 00" N 11° 43' 00" E	1900 m
Chuel, 2 mi [=3.2 km] S Jos		9° 43' 00" N 8° 47' 00" E	
Cross river state			
Dada		11° 34' 00" N 4° 29' 00" E	
Darazo		10° 59' 43" N 10° 24' 48" E	498 m
Darazo, 6 km E	ca.	10° 59' 43" N 10° 24' 48" E	
Delta state			
Dikoa, 31 mi [=50 km] NE		12° 01' 00" N 13° 55' 00" E	
(see also: Dikwa, 31 mi [=50 km] NE)			
Dikwa, 31 mi [=50 km] NE (see Dikoa, 31 mi [=50 km] NE)		12° 01' 00" N 13° 55' 00" E	
Djebba (see Jebba)		9° 08' 00" N 4° 50' 00" E	52 m

Ebonyi state			
Edo state			
Ekiti state			
Elem Kalabari		4° 34' 27" N 6° 58' 33" E	380 m
(see also: Old Calabar)			
Enugu state			
Enugu-Ezike		6° 58' 58" N 7° 27' 19" E	508 m
(see also: Independence Layout)			
Farniso, near Kano		12° 06' 00" N 8° 30' 00" E	
Felele (see Filele), 3.6 mi NW Lokoja		7° 51' 06" N 6° 43' 27" E	
Felelen Buzi (see Filele), 3.6 mi NW Lokoja		7° 51' 06" N 6° 43' 27" E	
Fika		11° 17' 00" N 11° 18' 29" E	503 m
Filele, 3.6 mi NW Lokoja		7° 51' 06" N 6° 43' 27" E	
(see also: Felele, Felelen Buzi, Lokoja, 3.6 mi [=5.8 km] NW)			
Futuk, 12 km from Yankari Game Reserve	ca.	9° 45' 00" N 10° 30' 00" E	
(see also: Yankari Game Reserve, 12 km from)			
Gambari Forest Reserve		7° 08' 00" N 3° 50' 00" E	
Gangirwal	ca.	7° 07' 00" N 11° 42' 00" E	2300 m
(see also: Ouadé, Djabal, Waddi Chappal)			
Gboko, 7 mi [=11 km] SE (see Mkar)		7° 20' 00" N 9° 02' 00" E	434 m
Gombe state			
Gotel Mountains		7° 00' 00" N 11° 40' 00" E	
Gudi, 3 mi [=4.8 km] E, on Mada river	ca.	8° 53' 00" N 8° 16' 00" E	ca. 300 m
Gwarzo		11° 54' 58" N 7° 56' 01" E	608 m
Ibadan		7° 23' 16" N 3° 53' 47" E	237 m
Ibadan University College, Ibadan University College		7° 23' 16" N 3° 53' 47" E	237 m
(see also: Lagos, University, University of Lagos)			
Idere		7° 29' 00" N 3° 15' 00" E	151 m
Ife		7° 29' 25" N 4° 33' 07" E	
Ife Botanical Gardens, ca 4 mi [=6.4 km] SW Ife	ca.	7° 31' 06" N 4° 31' 41" E	
(see also: Ife, ca 4 mi [=6.4 km] SW)			
Ife University, Campus and Conference Center		7° 31' 06" N 4° 31' 41" E	
Ife University Conference Center, ca 5 mi [=8 km] SW	ca.	7° 31' 27" N 4° 31' 52" E	
Ife, ca 4 mi [=6.4 km] SW (see Ife Botanical Gardens)	ca.	7° 31' 06" N 4° 31' 41" E	
Ifon		6° 55' 27" N 5° 46' 34" E	162 m
Igala Native Area Number 1 (see Okura Iyale Forest Reserve)		7° 34' 09" N 7° 17' 35" E	
Igbeti		8° 44' 57" N 4° 07' 52" E	508 m
(see also: Igbetti)			
Igbetti (see Igbeti)		8° 44' 57" N 4° 07' 52" E	508 m
Igbo-Awra (see Igbo-Ora)		7° 26' 00" N 3° 17' 00" E	148 m
Igbo-Ora		7° 26' 00" N 3° 17' 00" E	
(see also: Calabar, Igbo-Awra)			
Ikang		4° 47' 23" N 8° 31' 54" E	19 m
Ikole		7° 47' 23" N 5° 30' 38" E	460 m
(see also: Ipole)			
Ikot Mbo (see Adiabo Ikot Mbo), Calabar		5° 03' 20" N 8° 19' 31" E	
Ikotmbo (see Adiabo Ikot Mbo), Calabar		5° 03' 20" N 8° 19' 31" E	
Ikoyi			
Ilashe, 4 mi [=6.4 km] S (see Iloshi, 4 mi [=6.4 km] S), 6 mi N Ago Shasha	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
Ilesa		7° 37' 40" N 4° 44' 30" E	508 m
(see also: Ilesha)			
Ilesha (see Ilesa)		7° 37' 40" N 4° 44' 30" E	508 m
Ilisham Remo, 1 mi [=1.6 km] SE (see Adventist College of West Africa (ACWA))		6° 53' 42" N 3° 42' 51" E	
Ilishan-Remo		6° 53' 42" N 3° 42' 51" E	74 m
Ilishan-Remo, 1.6 km SE (see Adventist College of West Africa (ACWA))		6° 53' 42" N 3° 42' 51" E	76 m
Iloshi, 4 mi [=6.4 km] S, 6 mi N Ago Shasha	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
(see also: Ago Shasha, 6 mi [=9.7 km] N, Ilashe, 4 mi [=6.4 km] S)			
Imo state			
Independence Layout (see Enugu-Ezike)		6° 58' 58" N 7° 27' 19" E	508 m
Ipole (see Ikole)		7° 47' 23" N 5° 30' 38" E	460 m
Itama (see Okura Iyale Forest Reserve)		7° 34' 09" N 7° 17' 35" E	
Jauro Masali		6° 20' 00" N 3° 25' 00" E	1300 m
Jebba		9° 08' 00" N 4° 50' 00" E	52 m
(see also: Djebba)			
Jigawa state			
Jos		9° 55' 00" N 8° 54' 00" E	1217 m
Kabir (see Kabwir)		9° 24' 00" N 9° 34' 00" E	800 m
Kabwir		9° 24' 00" N 9° 34' 00" E	800 m
(see also: Kabir)			
Kabwir, 1 mi [=1.6 km] S		9° 24' 00" N 9° 34' 00" E	

Kaduna		10° 31' 23" N 7° 26' 25" E	612 m
Kaduna state			
Kagoro		9° 36' 28" N 8° 23' 25" E	863 m
Kagoro		9° 36' 00" N 8° 23' 00" E	860 m
Kamuku Forest Reserve (see Kamuku game reserve)		10° 48' 17" N 6° 17' 47" E	
Kamuku game reserve		10° 48' 17" N 6° 17' 47" E	
(see also: Kamuku Forest Reserve)			
Kano		11° 59' 47" N 8° 31' 00" E	476 m
Kano state			
Kano, 75 mi [=120 km] SE (see Birnin-Kudu)		11° 27' 00" N 8° 30' 00" E	460 m
Karaduwa		12° 19' 00" N 7° 41' 00" E	577 m
Katsina state			
Kebbi state			
Kilboa, 20 mi [=32 km] W		13° 19' 00" N 11° 16' 00" E	
Kogi state			
Kudu		9° 16' 00" N 5° 21' 00" E	139 m
Kwa River			
Kwara state			
Kware, 12 mi [=19 km] N Sokoto		13° 13' 05" N 5° 16' 02" E	268 m
(see also: Sokoto, 12 mi [=19 km] N)			
Lagos		6° 27' 11" N 3° 23' 45" E	34 m
Lagos state			
Lagos, 15 mi [=24 km] N (see Agege)		6° 37' 19" N 3° 19' 33" E	41 m
Lagos, 6 mi [=9.7 km] E (see Apapa)		6° 26' 44" N 3° 21' 33" E	34 m
Lagos, University (see Ibadan University College)		7° 23' 16" N 3° 53' 47" E	237 m
Lake Pandam (see Pandam, lake)		8° 39' 21" N 8° 58' 10" E	
Leekie			
Leinde Fadali		6° 58' 00" N 11° 36' 00" E	1700 m
Lokoja, 3.6 mi [=5.8 km] NW (see Filele)		7° 51' 06" N 6° 43' 27" E	
Maidiguri (see Maiduguri)		11° 50' 42" N 13° 09' 36" E	294 m
Maidugari (see Maiduguri)		11° 50' 42" N 13° 09' 36" E	294 m
Maiduguri		11° 50' 42" N 13° 09' 36" E	294 m
(see also: Maidiguri, Maidugari, Maiduguru)			
Maiduguri, NE of	ca.	11° 50' 42" N 13° 09' 36" E	
Maiduguru (see Maiduguri)		11° 50' 42" N 13° 09' 36" E	294 m
Maiyanga		9° 24' 00" N 8° 54' 00" E	1370 m
(see also: Mianga, road)			
Makurdi		7° 44' 28" N 8° 30' 44" E	103 m
(see also: Makurdu)			
Makurdu (see Makurdi)		7° 44' 28" N 8° 30' 44" E	103 m
Malamfatori		13° 25' 00" N 13° 20' 00" E	
Mambila mountains (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Mambila Plateau	ca.	6° 32' 00" N 11° 22' 00" E	
(see also: Mambila mountains, Monts Mambila, Monts Mambila Songola, Monts Ribao, Ribao-Berge, Songola)			
Mambilla Plateau		6° 31' 00" N 11° 22' 00" E	
Mianga, road (see Maiyanga)		9° 24' 00" N 8° 54' 00" E	1370 m
Mkar, 7 mi [=11 km] SE Gboko		7° 20' 00" N 9° 02' 00" E	434 m
(see also: Gboko, 7 mi [=11 km] SE)			
Mokwa		9° 17' 00" N 5° 03' 00" E	87 m
Molai Forest Reserve		11° 44' 04" N 13° 05' 44" E	
Monts Mambila (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Monts Mambila Songola (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Monts Ribao (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Nagaruta Forest Reserve		9° 58' 00" N 8° 54' 00" E	
Nasarawa state			
(see also: Nassarawa state |PC:NA|)			
Nassarawa		8° 31' 46" N 7° 43' 27" E	294 m
(see also: Nassarawa)			
Nassarawa (see Nassarawa)		8° 31' 46" N 7° 43' 27" E	294 m
NassaPC:NA|)			
New Shagunnu		10° 20' 00" N 4° 28' 00" E	77 m
Niger river, lower			
Niger state			
Nigeria			
Nikrowa Forest Reserve			
Nindam farm		9° 36' 00" N 8° 23' 00" E	860 m
Nindam Forest Reserve		9° 28' 00" N 8° 19' 00" E	
Nko		6° 00' 59" N 8° 08' 30" E	103 m
(see also: N'ko)			
N'ko (see Nko)		6° 00' 59" N 8° 08' 30" E	103 m
Numan, Gongola		9° 28' 00" N 12° 02' 00" E	152 m
Nupeko		8° 57' 30" N 5° 59' 50" E	
Oban		5° 19' 00" N 8° 34' 00" E	302 m
Oban hills		5° 30' 00" N 8° 35' 00" E	

Oban, 14 mi [=22.5 km] S	ca.	5° 19' 00" N 8° 34' 00" E	
Obudu	ca.	6° 28' 00" N 9° 21' 00" E	
Obudu plateau	ca.	6° 27' 36" N 9° 21' 08" E	
Odukpani		5° 07' 55" N 8° 20' 22" E	
Ogbunike, near Onitscha		6° 10' 00" N 6° 54' 00" E	150 m
Ogoja		6° 39' 17" N 8° 47' 51" E	127 m
Ogun state			
Okomu		6° 15' 57" N 5° 06' 14" E	
(see also: Okuno)			
Okomu Forest Reserve, 30 mi [=48 km] W Benin City		6° 18' 46" N 5° 14' 01" E	
(see also: Benin City, 30 mi [=48 km] W, Benin Native Area, Okomu National Park, Okomu Native Area Forest Reserve)			
Okomu National Park (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City		6° 18' 46" N 5° 14' 01" E	
Okomu Native Area Forest Reserve (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City		6° 18' 46" N 5° 14' 01" E	
Okuno (see Okomu)		6° 15' 57" N 5° 06' 14" E	
Okura Forest Reserve (see Okura Iyale Forest Reserve)		7° 34' 09" N 7° 17' 35" E	
Okura Iyale Forest Reserve		7° 34' 09" N 7° 17' 35" E	
(see also: Igala Native Area Number 1, Itama, Okura Forest Reserve)			
Old Calabar		4° 56' 00" N 8° 22' 00" E	
Old Calabar (see Elem Kalabari)		4° 34' 27" N 6° 58' 33" E	380 m
Old Calabar river		4° 54' 00" N 8° 16' 00" E	
Olokemeji Forest Reserve		7° 25' 00" N 3° 32' 00" E	
Omo Forest Reserve		6° 50' 49" N 4° 22' 17" E	
Ondo state			
Osun state			
Ouadé, Djabal (see Gangirwal)		7° 02' 00" N 11° 43' 00" E	1900 m
Ouadé, Tchabal		7° 02' 00" N 11° 43' 00" E	1900 m
(see also: Chappal Waddi)			
Oyo state			
Oyo, 7 mi [=11 km] W	ca.	7° 20' 15" N 3° 45' 29" E	
Pagegi (see Pategi)		8° 44' 00" N 5° 45' 00" E	80 m
(see also: Papegi)			
Pandam		9° 15' 00" N 7° 50' 00" E	525 m
Pandam Wildlife Park		8° 44' 00" N 8° 59' 00" E	
Pandam, lake		8° 39' 21" N 8° 58' 10" E	
(see also: Lake Pandam)			
Panisau (see Paniso)		11° 43' 00" N 7° 32' 00" E	634 m
Paniso		11° 43' 00" N 7° 32' 00" E	634 m
(see also: Panisau)			
Panyam [Fish Farm]		9° 25' 00" N 9° 13' 00" E	1252 m
Panyam, 2 mi [=3.2 km] S		9° 25' 00" N 9° 13' 00" E	
Papegi (see Pagegi)		8° 44' 00" N 5° 45' 00" E	80 m
Parniso, near Kano		12° 06' 00" N 8° 30' 00" E	
Pategi		8° 44' 00" N 5° 45' 00" E	80 m
(see also: Pagegi)			
Plateau state			
Rafin Dinya (see Tungan-Rafin-Dinya)		9° 45' 32" N 7° 27' 05" E	544 m
Randa	ca.	13° 00' 00" N 5° 00' 00" E	
Ribao-Berge (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Rivers state			
S Birnin Gwari		10° 48' 00" N 6° 18' 00" E	
Sagamu (see Shagamu)		6° 50' 36" N 3° 38' 52" E	63 m
Samaru		11° 10' 00" N 7° 38' 00" E	730 m
Sangs River Forest Reserve		8° 20' 00" N 9° 10' 00" E	
Sapoba		6° 06' 23" N 5° 53' 55" E	72 m
Sapoba Forest Reserve		6° 04' 32" N 5° 49' 09" E	
Shagamu		6° 50' 36" N 3° 38' 52" E	63 m
(see also: Sagamu)			
Shagunnu		10° 20' 00" N 4° 28' 00" E	77 m
(see also: Shagunu, Shagunu Borgu)			
Shagunu (see Shagunnu)		10° 20' 00" N 4° 28' 00" E	77 m
Shagunu Borgu (see Shagunnu)		10° 20' 00" N 4° 28' 00" E	77 m
Shasha Forest Reserve		7° 03' 56" N 4° 26' 04" E	
Shendam division			
Socoto (see Sokoto)		13° 03' 05" N 5° 13' 53" E	272 m
Sokoto		13° 03' 05" N 5° 13' 53" E	272 m
(see also: Socoto)			
Sokoto state			
Sokoto, 12 mi [=19 km] N	ca.	13° 02' 00" N 5° 15' 00" E	
Sokoto, 12 mi [=19 km] N (see Kware)		13° 13' 05" N 5° 16' 02" E	268 m
Songola (see Mambila Plateau)	ca.	6° 32' 00" N 11° 22' 00" E	
Tangaza		13° 22' 00" N 4° 56' 00" E	304 m

Taraba state			
Tsanchaga, 8 mi E Bida		9° 06' 00" N 6° 09' 00" E	
(see also: Bida, 8 mi [=13 km] E)			
Tungan-Rafin-Dinya		9° 45' 32" N 7° 27' 05" E	544 m
(see also: Rafin Dinya)			
Umuahia, Umdike		5° 32' 00" N 7° 29' 00" E	151 m
(see also: Umuahia Ibeku)			
Umuahia Ibeku (see Umuahia), Umdike		5° 32' 00" N 7° 29' 00" E	151 m
University of Lagos (see Ibadan University College)		7° 23' 16" N 3° 53' 47" E	237 m
Upper Ogun Estate Plantation		8° 10' 00" N 3° 41' 00" E	
Upper Ogun Ranch (see Upper Ogun Ranch)		8° 10' 00" N 3° 41' 00" E	
(see also: Upper Ogun Ranch)			
Waddi Chappal (see Gangirwal)		7° 02' 00" N 11° 43' 00" E	1900 m
Wase Rock		9° 04' 00" N 9° 58' 00" E	
West province		7° 30' 00" N 4° 00' 00" E	
Wikki		9° 46' 10" N 10° 31' 58" E	
Yankari		9° 36' 00" N 10° 40' 00" E	276 m
Yankari Game Reserve		9° 45' 00" N 10° 30' 00" E	
Yankari Game Reserve, 12 km from (see Futuk)	ca.	9° 45' 00" N 10° 30' 00" E	
Yau, Yobe river [near lake Chad]		13° 33' 00" N 13° 14' 00" E	288 m
(see also: Yo)			
Yelwa		7° 04' 00" N 11° 05' 00" E	1500 m
Yo (see Yau), Yobe river [near lake Chad]		13° 33' 00" N 13° 14' 00" E	288 m
Yobe state			
Yola, N Nigeria			
Yoruba		8° 00' 00" N 4° 30' 00" E	
Zamfara state			
Zaria, Samaru stream		11° 04' 00" N 7° 42' 00" E	671 m
Zaria province			
Zaria, 15 mi [=24 km] NW	ca.	11° 01' 00" N 7° 44' 00" E	
Zaria, 5 mi [=8 km] NW	ca.	11° 01' 00" N 7° 44' 00" E	
Zaria, 7 mi [=11.3 km] NW	ca.	11° 01' 00" N 7° 44' 00" E	
Zaria, north central, Samanu			
Zawan, 2 mi [=3.2 km] S Jos		9° 45' 18" N 8° 52' 29" E	1276 m
Zungeru		9° 48' 46" N 6° 09' 21" E	149 m

Oman:

Al Hazm, near Rostaq			
Oman			
Wadi Nahiz, Sahour Cave		17° 06' 09" N 54° 09' 37" E	

Réunion:

ArronPC:DE|)			
ArronPC:PI|)			
Basse Vallée, 0.7 km SSW (see Le Cap Méchant)		21° 22' 30" S 55° 42' 34" E	10 m
Eglise de Bras-Panon		20° 58' 52" S 55° 38' 35" E	
Étang Salé		21° 15' 00" S 55° 23' 00" E	20 m
(see also: Étan-Salé-les-Hauts, L'Étang-Salé)			
Étan-Salé-les-Hauts (see Étang Salé)		21° 15' 00" S 55° 23' 00" E	20 m
Falaise de Saint Gilles		21° 03' 18" S 55° 13' 22" E	
Grotte de Trois Bassin		21° 06' 14" S 55° 17' 31" E	
L'Étang-Salé (see Étang Salé)		21° 15' 00" S 55° 23' 00" E	20 m
La Possession, 2.2 km SSW (see Pont de Balthazar)		20° 56' 44" S 55° 19' 51" E	40 m
La Saline-les Bains, 3.2 km SSE (see Ravine des Trois Bassins)		21° 06' 36" S 55° 14' 34" E	10 m
La Tévelave, above	ca.	21° 09' 47" S 55° 23' 39" E	
(see also: Tévelave, above)			
Le Cap Méchant, 0.7 km SSW Basse Vallée		21° 22' 30" S 55° 42' 34" E	10 m
(see also: Basse Vallée, 0.7 km SSW)			
Pont de Balthazar, 2.2 km SSW La Possession		20° 56' 44" S 55° 19' 51" E	40 m
(see also: La Possession, 2.2 km SSW)			
Ravine des Trois Bassins, 3.2 km SSE La Saline-les Bains		21° 06' 36" S 55° 14' 34" E	10 m
(see also: La Saline-les Bains, 3.2 km SSE)			
Réunion	ca.	21° 06' 00" S 55° 36' 00" E	
(see also: Bourbon, île)			
Saint-Benoît arrondissement			
Saint-Benoît, near	ca.	21° 02' 17" S 55° 43' 10" E	
Saint-Denis arrondissement			
(see also: Arrondissement-du-Vent |PC:DE|)			
Sainte Clothilde		20° 55' 04" S 55° 28' 59" E	80 m
Saint-Gilles (see Saint-Gilles-les Bains)		21° 02' 00" S 55° 14' 00" E	114 m

Saint-Gilles-les Bains		21° 02' 00" S 55° 14' 00" E	114 m
(see also: Saint-Gilles)			
Saint-Paul arrondissement			
Saint-Pierre arrondissement			
(see also: Arrondissement-sous-le-Vent |PC:PI|)			
St. Benoit, near (see St. Benoit, near)	ca.	21° 02' 17" S 55° 43' 10" E	
(see also: St. Benoit, near)			
Tévelave, above (see La Tévelave, above)	ca.	21° 09' 47" S 55° 23' 39" E	

Rwanda:

Akagera Park		1° 30' 00" S 30° 30' 00" E	
(see also: Kagera National Park, Parc National de la Kagera)			
Astrida (see Butare)		2° 35' 50" S 29° 44' 20" E	1733 m
Bilalu		1° 30' 00" S 30° 18' 00" E	1600 m
(see also: Bilule)			
Bilule (see Bilalu)		1° 30' 00" S 30° 18' 00" E	1600 m
Brouwerij Baai (see Gisenyi)		1° 42' 10" S 29° 15' 23" E	1481 m
Bufundi		1° 20' 42" S 29° 51' 01" E	
(see also: Bugundi)			
Bugarura island		1° 54' 39" S 29° 16' 00" E	
Bugesera		2° 08' 44" S 30° 05' 29" E	1432 m
(see also: Kanazi)			
Bugoye Kisenyi		1° 42' 00" S 29° 35' 00" E	
Bugundi (see Bufundi)		1° 20' 42" S 29° 51' 00" E	
Butare		2° 35' 50" S 29° 44' 20" E	1733 m
(see also: Astrida, Butare INRS)			
Butare INRS (see Butare)		2° 35' 50" S 29° 44' 20" E	1733 m
Byumba		1° 34' 35" S 30° 04' 03" E	2300 m
Colline Gitovu (see Gitovu)		2° 19' 00" S 29° 09' 00" E	1649 m
Colline Gosenyi (see Gisenyi)		1° 42' 10" S 29° 15' 23" E	1481 m
Colline Kidaho (see Kidaho)		1° 22' 12" S 29° 44' 33" E	1944 m
Colline Mugogwe (see Mugogwe)		2° 30' 32" S 29° 48' 37" E	
Colline Murunda (see Muhazi)		1° 54' 00" S 29° 22' 00" E	1711 m
Colline Musanze (see Musanze)		1° 28' 57" S 29° 36' 03" E	
Colline Musha (see Musha)		2° 31' 40" S 29° 51' 54" E	
Colline Nyakibanda (see Nyakibanda)		2° 38' 00" S 29° 41' 00" E	2067 m
Colline Nyamata (see Nyamata)		2° 09' 45" S 30° 06' 01" E	
Colline Rubona (see Rubona)		2° 19' 00" S 29° 56' 00" E	1346 m
Colline Shangi (see Shangi)		2° 24' 13" S 29° 00' 21" E	
Colline Shyanda (see Shyanda)		2° 32' 31" S 29° 47' 34" E	1646 m
Cyangugu (see Shangugu)		2° 29' 00" S 28° 53' 48" E	1537 m
Cyili		2° 30' 00" S 29° 46' 00" E	
(see also: Cyili Ntyano)			
Cyili Ntyano (see Cyili)		2° 30' 00" S 29° 46' 00" E	
Cyohaha, lake		2° 15' 00" S 30° 00' 00" E	
(see also: Tshyohaha, lake)			
Eastern prefecture			
(see also: Kibungo (former) prefecture)			
Forêt Naturelle de Nyungwe (see Nyungwe Forest Reserve)		2° 31' 13" S 29° 18' 15" E	2500 m
Gabiro		1° 31' 00" S 30° 28' 00" E	1400 m
Gafumba		2° 27' 44" S 29° 49' 45" E	
Gafumba Mugusa		2° 27' 44" S 29° 49' 45" E	
Gafunzo		2° 23' 34" S 29° 02' 40" E	1457 m
Gafunzo Kigaga		2° 23' 34" S 29° 02' 40" E	1457 m
Gahinga (vulcano)		1° 24' 00" S 29° 38' 00" E	
Gakoma (mission)		2° 28' 47" S 29° 55' 16" E	
Gasiza			
Gihinda (see Gihinga)		1° 24' 00" S 30° 37' 00" E	1400 m
Gihinga		1° 24' 00" S 30° 37' 00" E	1400 m
(see also: Gihinda)			
Gisenyi		1° 41' 15" S 29° 15' 17" E	1450 m
(see also: Kisenyi, Kisenyi, road to Sake, Kissenji)			
Gisenyi		1° 42' 10" S 29° 15' 23" E	1481 m
(see also: Brouwerij Baai, Colline Gosenyi, Gosenyi)			
Gisovu		2° 15' 17" S 29° 20' 13" E	2335 m
Gitovu		2° 19' 00" S 29° 09' 00" E	1649 m
(see also: Colline Gitovu)			
Gosenyi (see Gisenyi)		1° 42' 10" S 29° 15' 23" E	1481 m
Ihema, lake		1° 52' 12" S 30° 46' 45" E	
(see also: Lac Ihema, Lake Ihema)			

Ishangi (see Shangi)		2° 24' 13" S 29° 00' 21" E	
Kagera National Park (see Akagera Park)		1° 30' 00" S 30° 30' 00" E	
Kakitumba		1° 29' 00" S 30° 17' 00" E	1400 m
Kanazi (see Bugesera)		2° 08' 44" S 30° 05' 29" E	1432 m
Kanyamiketo		1° 26' 00" S 29° 35' 00" E	
Karama		2° 16' 00" S 30° 16' 00" E	
Katjumbura		1° 33' 00" S 30° 44' 00" E	
Kayonza		1° 56' 44" S 30° 31' 13" E	2400 m
Kayove		1° 53' 04" S 29° 21' 11" E	1841 m
Kibumbu crater, caves 2 and 3		1° 24' 35" S 29° 32' 36" E	
Kibungo (former) prefecture (see Eastern prefecture)	ca.	2° 00' 00" S 30° 35' 00" E	
Kibuye		2° 03' 20" S 29° 20' 59" E	1457 m
Kidaho		1° 22' 12" S 29° 44' 33" E	1944 m
(see also: Colline Kidaho)			
Kigale (see Kigali)		1° 57' 13" S 30° 03' 38" E	1567 m
Kigali		1° 57' 13" S 30° 03' 38" E	1567 m
(see also: Kigale)			
Kigali prefecture			
Kimuna		2° 32' 50" S 29° 43' 44" E	1788 m
Kinigi		1° 27' 00" S 29° 34' 00" E	2179 m
Kionja		1° 50' 00" S 30° 43' 00" E	1677 m
Kisenyi (see Gisenyi)		1° 41' 15" S 29° 15' 17" E	1450 m
Kisenyi, road to Sake (see Gisenyi)		1° 41' 15" S 29° 15' 17" E	1450 m
Kisiguru (Mission) (see Kiziguro (Mission))		1° 46' 00" S 30° 24' 00" E	
Kissenji (see Gisenyi)		1° 41' 15" S 29° 15' 17" E	1450 m
Kitabi		2° 31' 30" S 29° 25' 17" E	
Kiziguro (Mission)		1° 46' 00" S 30° 24' 00" E	
(see also: Kisiguru (Mission), Kiziguru (Mission))			
Kiziguru (Mission) (see Kiziguro (Mission))		1° 46' 00" S 30° 24' 00" E	
Lac Ihema (see Ihema, lake)		1° 52' 12" S 30° 46' 45" E	
Lac Mihindi (see Mihindi, lake)		1° 32' 00" S 30° 42' 00" E	
Lake Ihema (see Ihema, lake)		1° 52' 12" S 30° 46' 45" E	
Lake Mihindi (see Mihindi, lake)		1° 32' 00" S 30° 42' 00" E	
Lubengera (mission) (see Rubengera (mission))		2° 02' 58" S 29° 25' 34" E	
Lugarama		1° 26' 00" S 30° 32' 00" E	
Mabanza		2° 03' 15" S 29° 25' 00" E	1612 m
Magachi		1° 20' 00" S 30° 34' 00" E	
Masaka - Kigali		1° 59' 44" S 30° 11' 30" E	1448 m
Masha		1° 35' 33" S 29° 19' 47" E	2085 m
Mihindi, lake		1° 32' 00" S 30° 42' 00" E	
(see also: Lac Mihindi, Lake Mihindi)			
Mimuli		1° 27' 04" S 30° 15' 26" E	
Mount Mugusa (see Mugusa, mount)		2° 28' 52" S 29° 51' 23" E	1575 m
Mugarura, Lake Kivu	ca.	1° 42' 00" S 30° 45' 00" E	
Mugogwe		2° 30' 32" S 29° 48' 37" E	
(see also: Colline Mugogwe)			
Mugusa, mount		2° 28' 52" S 29° 51' 23" E	1575 m
(see also: Mount Mugusa)			
Muhabura (volcano)		1° 23' 04" S 29° 42' 32" E	
(see also: Muhavura (volcano))			
Muhasi (see Muhazi)		1° 54' 07" S 30° 24' 41" E	1529 m
Muhavura (volcano) (see Muhabura (volcano))		1° 23' 04" S 29° 42' 32" E	
Muhazi		1° 54' 07" S 30° 24' 41" E	1529 m
(see also: Colline Murunda, Muhasi)			
Muluchu		1° 32' 00" S 30° 37' 00" E	
Murunda		1° 54' 00" S 29° 22' 00" E	1711 m
Musanse (see Musanze)		1° 28' 57" S 29° 36' 03" E	
Musanze		1° 28' 57" S 29° 36' 03" E	
(see also: Colline Musanze, Musanse)			
Musha		2° 31' 40" S 29° 51' 54" E	
(see also: Colline Musha)			
Mutura		1° 35' 56" S 29° 22' 56" E	2370 m
Northern prefecture			
Ntango		2° 36' 00" S 29° 13' 00" E	
Nyakibanda		2° 38' 00" S 29° 41' 00" E	2067 m
(see also: Colline Nyakibanda)			
Nyakichozi		1° 23' 00" S 30° 37' 00" E	1250 m
Nyakinama		1° 34' 22" S 29° 38' 30" E	1661 m
Nyamasheke		2° 20' 23" S 29° 05' 08" E	1581 m
Nyamata		2° 09' 45" S 30° 06' 01" E	
(see also: Colline Nyamata)			
Nyambumba		1° 42' 00" S 29° 17' 00" E	
Nyankokome			
Nyanza		2° 27' 00" S 29° 36' 00" E	
Nyarutovu		2° 37' 00" S 29° 36' 00" E	2000 m
Nyumba cave		2° 39' 00" S 29° 42' 00" E	

Nyundo		1° 41' 47" S 30° 01' 37" E	1594 m
Nyungwe Forest Reserve		2° 31' 13" S 29° 18' 15" E	2500 m
(see also: Forêt Naturelle de Nyungwe)			
Parc National de la Kagera (see Akagera Park)		1° 30' 00" S 30° 30' 00" E	
Ratabo Kinazi Gitorams		2° 13' 00" S 29° 58' 00" E	
Routabansougera		2° 25' 00" S 29° 10' 00" E	1750 m
Rubengera (mission)		2° 02' 58" S 29° 25' 34" E	
(see also: Lubengera (mission))			
Ruboma Ruhashya		2° 30' 00" S 29° 44' 00" E	
Rubona		2° 19' 00" S 29° 56' 00" E	1346 m
(see also: Colline Rubona)			
Ruhengeri		1° 30' 15" S 29° 38' 09" E	1772 m
Rukara, between Butare and Akanyaru river		1° 47' 55" S 30° 30' 02" E	1625 m
Rukira		2° 09' 12" S 30° 36' 41" E	1709 m
Rwamagana		1° 57' 09" S 30° 26' 16" E	1528 m
Rwanda			
Rwankalo			
Rwankwi		1° 32' 00" S 29° 32' 00" E	
Shangi		2° 24' 13" S 29° 00' 21" E	
(see also: Colline Shangi, Ishangi, Shangi Schad)			
Shangi Schad (see Shangi)		2° 24' 13" S 29° 00' 21" E	
Shangugu		2° 29' 00" S 28° 53' 48" E	1537 m
(see also: Cyangugu)			
Shyanda		2° 32' 31" S 29° 47' 34" E	1646 m
(see also: Colline Shyanda)			
Simbi cave		2° 30' 39" S 29° 40' 03" E	
Southern prefecture			
Tamira		1° 34' 00" S 29° 22' 00" E	
Tshyohaha, lake (see Cyohaha, lake)		2° 15' 00" S 30° 00' 00" E	
Ubuvumo lava hole			
Uwinka		2° 28' 00" S 29° 12' 00" E	2512 m
Western prefecture			

São Tomé and Principé:

Água Izé		0° 13' 05" N 6° 43' 41" E	
(see also: Agua Ize, Agua-Ize)			
Agua Ize (see Água Izé)		0° 13' 05" N 6° 43' 41" E	
Agua-Ize (see Água Izé), Río Abade		0° 13' 05" N 6° 43' 41" E	
Bela Vista, Río Papaga		1° 37' 00" N 7° 25' 00" E	
Bela Vista, 5 km S, Río Papagaio	ca.	1° 34' 39" N 7° 23' 39" E	
Belo Monte		1° 41' 00" N 7° 27' 00" E	508 m
Bindá, hill 3 km E	ca.	0° 13' 00" N 6° 30' 00" E	
Bóbó Cativo		0° 19' 06" N 6° 41' 44" E	
Bombon island		1° 41' 53" N 7° 24' 09" E	
(see also: Islot de Bombon)			
Capitango, hill		0° 05' 00" N 6° 36' 00" E	
(see also: Kapitango, hill, Río Capitango)			
Cascata			
Cidade de Santo António (see Santo António)		1° 40' 00" N 7° 25' 00" E	
Cueva Santa Ana (see Santana Island, cave on)		0° 14' 29" N 6° 45' 32" E	
Fernandina coco palm plantation, near Boa Entrada, 12 km. north of Sao Tome City		0° 21' 00" N 6° 39' 30" E	
Fernão Dias, on Río de Ouro		0° 24' 23" N 6° 40' 27" E	0 m
Fundo de Igresa valley		0° 16' 50" N 6° 38' 02" E	
(see also: Manuel Jorge River, cave along)			
Generosa [hill]		0° 21' 00" N 6° 33' 00" E	ca. 800 m
(see also: Morra da Generosa)			
Guadalupe, 3 km NW (see Praia das Conchas)		0° 23' 00" N 6° 37' 00" E	188 m
Island of St. Thomas (see São Tomé island)	ca.	0° 12' 00" N 6° 39' 00" E	
Islot de Bombon (see Bombon island)		1° 41' 53" N 7° 24' 09" E	
Kapitango, hill (see Capitango, hill)		0° 05' 00" N 6° 36' 00" E	
Lemba river (see Río Lemba)		0° 15' 00" N 6° 28' 00" E	
Macambrará, Morro Palmira		0° 16' 00" N 6° 38' 00" E	619 m
(see also: Makambrará, Pico Macambrara)			
Makambrará (see Macambrará)		0° 16' 00" N 6° 38' 00" E	619 m
Manuel Jorge River, cave along (see Fundo de Igresa valley)		0° 16' 50" N 6° 38' 02" E	
Mendes da Silva		0° 13' 00" N 6° 42' 00" E	
Micolo, Agua Luzia / Agua Izé		0° 24' 13" N 6° 41' 17" E	
(see also: Playa Micolo)			
Monte Café		0° 18' 01" N 6° 38' 27" E	612 m
Montebelo, Água Izé		0° 13' 00" N 6° 43' 00" E	
Montebelo and Mendes da Silva, between, Água Izé	ca.	0° 13' 17" N 6° 41' 51" E	

Montebelo, near	ca.	0° 13' 00" N 6° 43' 00" E	
Morra da Generosa (see Generosa [hill])		0° 21' 00" N 6° 33' 00" E	ca. 800 m
Morro Fundão		1° 37' 00" N 7° 23' 00" E	
Morro Palmira, near Pico Macambrará (see also: Palmira, hill)		0° 17' 00" N 6° 36' 00" E	1350 m
Palmira, hill (see Morro Palmira)		0° 17' 00" N 6° 36' 00" E	1350 m
Pico Macambrara (see Macambrará)		0° 16' 00" N 6° 38' 00" E	1350 m
Pico Papagio and Morro Fundão, hill between		1° 36' 44" N 7° 23' 25" E	
Playa Micolo (see Micolo), Agua Luzia		0° 24' 13" N 6° 41' 17" E	
Ponta Barra Bobo and Praia da Mutamba, coast roast between		0° 23' 30" N 6° 36' 03" E	
Port São Tomé (see also: Port Sao Tome)			
Port Sao Tome (see Port São Tomé)			
Porto Real, Esperanza (see also: Puerto Real)		1° 37' 26" N 7° 24' 19" E	
Praia das Conchas, 3 km NW Guadalupe (see also: Guadalupe, 3 km NW)		0° 23' 00" N 6° 37' 00" E	188 m
Praia de Mutamba, 50 m inland coast road		0° 23' 41" N 6° 36' 16" E	
Principe (see Principé island)	ca.	1° 37' 00" N 7° 25' 00" E	
Principé island (see also: Principe)	ca.	1° 37' 00" N 7° 25' 00" E	
Puerto Real (see Porto Real)		1° 37' 26" N 7° 24' 19" E	
Ribeira Izé, between San António and Sundi, Ponte Ministro	ca.	1° 39' 40" N 7° 23' 38" E	
Ribeira Peixe		0° 05' 20" N 6° 36' 48" E	
Ribeira Peixe		0° 05' 00" N 6° 37' 00" E	
Río Agua-Fundao, Pasado la Roça de Agua Izé	ca.	0° 13' 48" N 6° 43' 46" E	
Río Capitango (see Capitango, hill)		0° 05' 00" N 6° 36' 00" E	
Rio Contador valley, S sid		0° 18' 08" N 6° 33' 09" E	
Río Lemba (see also: Lemba river)		0° 15' 00" N 6° 28' 00" E	
Río Manoel Gorge (see Río Manuel Jorge)	ca.	0° 18' 00" N 6° 45' 00" E	
Rio Manoel Jorje (see Río Manuel Jorge)	ca.	0° 18' 00" N 6° 45' 00" E	
Río Manuel Jorge (see also: Río Manoel Gorge, Rio Manoel Jorje)	ca.	0° 18' 00" N 6° 45' 00" E	
Río Martin Mendez	ca.	0° 06' 18" N 6° 36' 30" E	
San Antonio (see Santo António)		1° 40' 00" N 7° 25' 00" E	
San Nicolas		0° 12' 12" N 6° 38' 48" E	
Santa Catanna (see Santa Catarina)		0° 16' 00" N 6° 29' 00" E	124 m
Santa Catarina, between Río Cantador and Río Lemba (see also: Santa Catanna)		0° 16' 00" N 6° 29' 00" E	124 m
Santana Island, cave on (see also: Cueva Santa Ana)		0° 14' 29" N 6° 45' 32" E	
Santo Amaro		0° 22' 00" N 6° 42' 00" E	152 m
Santo António, Río Papagio (see also: Cidade de Santo António, San Antonio, Santo António, 1 km S, São Antõnio)		1° 40' 00" N 7° 25' 00" E	
Santo António, 1 km S (see Santo António), Río Papagio	ca.	1° 40' 00" N 7° 25' 00" E	
São Antõnio (see Santo António)		1° 40' 00" N 7° 25' 00" E	
São João		1° 39' 00" N 7° 26' 00" E	
São Mateus, between Santo Antonio and Puerto Real		1° 38' 00" N 7° 24' 00" E	252 m
Sao Tome (see São Tomé island)	ca.	0° 12' 00" N 6° 39' 00" E	
São Tomé and Principé			
São Tomé island (see also: Island of St. Thomas, Sao Tome, St. Thomas Island)	ca.	0° 12' 00" N 6° 39' 00" E	
St. Thomas Island (see São Tomé island)	ca.	0° 12' 00" N 6° 39' 00" E	
Vista Alegre		0° 19' 00" N 6° 41' 00" E	

Saudi Arabia:

Al Muwayli?, Red Sea Coast (see also: Al-Mweleh, Al-Mwêle?, Mawaila, Mohila, Mowila)		27° 41' 00" N 35° 28' 00" E	0 m
Al-Mweleh (see Al Muwayli?), Red Sea Coast		27° 41' 00" N 35° 28' 00" E	0 m
Al-Mwêle? (see Al Muwayli?), Red Sea Coast		27° 41' 00" N 35° 28' 00" E	0 m
Dhahran			
Mawaila (see Al Muwayli?), Red Sea Coast		27° 41' 00" N 35° 28' 00" E	0 m
Mohila (see Al Muwayli?), Red Sea Coast		27° 41' 00" N 35° 28' 00" E	0 m
Mowila (see Al Muwayli?), Red Sea Coast		27° 41' 00" N 35° 28' 00" E	0 m
Saudi Arabia			

Senegal:

Adeane, 12 km SW (see Diabane), Casamance		12° 32' 41" N 16° 05' 35" W	3 m
Adiaré			
Assirik		12° 53' 00" N 12° 43' 00" W	
(see also: Hassirik, Monts Asserick, Mount Asserick, Mount Assirik)			
Ba Foula Bé (see Bafoulabé)		13° 01' 00" N 13° 11' 00" W	
Bacadadgi		13° 39' 00" N 16° 29' 00" W	
Badi		13° 09' 00" N 13° 14' 00" W	34 m
Bafoulabé		13° 02' 00" N 13° 00' 00" W	
(see also: Ba Foula Bé)			
Bakel		14° 54' 00" N 12° 27' 00" W	27 m
Bakel, 5 km S	ca.	14° 54' 00" N 12° 27' 00" W	
Bandafassi dispensarium		12° 32' 26" N 12° 18' 28" W	
Bandia (see Bandia Sessène)		14° 37' 30" N 17° 01' 43" W	33 m
Bandia Sessène		14° 37' 30" N 17° 01' 43" W	33 m
(see also: Bandia)			
Bow	ca.	15° 35' 00" N 13° 06' 00" W	
Camp des Lions, forest next to the river		13° 01' 00" N 13° 14' 00" W	
Camp Leclerc		14° 44' 04" N 17° 28' 09" W	
Cascas (see Kaskas)		16° 22' 43" N 14° 03' 22" W	13 m
Coular (see Koular)		13° 41' 00" N 16° 11' 00" W	2 m
Dagana		16° 31' 00" N 15° 30' 00" W	12 m
(see also: Tagana)			
Dakar		14° 40' 15" N 17° 26' 17" W	37 m
Dakar region			
Dalaba		12° 45' 00" N 13° 16' 00" W	
Dar Salam		13° 15' 00" N 13° 12' 00" W	
Diabane, 12 km SW Adeane		12° 32' 41" N 16° 05' 35" W	3 m
(see also: Adeane, 12 km SW)			
Diadam		16° 22' 00" N 16° 16' 00" W	
Dialacoto (see Dialakoto)		13° 19' 00" N 13° 18' 00" W	49 m
Dialakoto		13° 19' 00" N 13° 18' 00" W	49 m
(see also: Dialacoto, Dialocote)			
Dialocote (see Dialakoto)		13° 19' 00" N 13° 18' 00" W	49 m
Diatakounda (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Diattacounda (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Diattakounda		12° 34' 11" N 15° 41' 03" W	32 m
(see also: Diatakounda, Diattacounda, Yatacounda, Yatakou, Yatakounda, Yatakunda)			
Dindéfélo, next to the stream		12° 22' 00" N 12° 19' 00" W	
Dindéfélo II, next to the stream II		12° 22' 00" N 12° 19' 00" W	
Diogué		12° 34' 28" N 16° 45' 09" W	7 m
Diourbei (see Diourbel)		14° 39' 46" N 16° 23' 33" W	23 m
Diourbel		14° 39' 46" N 16° 23' 33" W	23 m
(see also: Diourbei)			
Diourbel region			
Djoudj National Park		16° 24' 00" N 16° 15' 00" W	
(see also: Djoudj, Parc National des Oiseaux, Parc National des Oiseaux du Djoudj)			
Djoudj, Parc National des Oiseaux (see Djoudj National Park)		16° 24' 00" N 16° 15' 00" W	
Ebarak (see Ebarakh)		12° 37' 59" N 12° 52' 22" W	108 m
Ebarakh		12° 37' 59" N 12° 52' 22" W	108 m
(see also: Ebarak)			
Edanga (see Enganga), 66 km W Kedougou	ca.	12° 30' 00" N 12° 45' 00" W	
Eganga (see Enganga), 66 km W Kedougou	ca.	12° 30' 00" N 12° 45' 00" W	
Enganga, 66 km W Kedougou	ca.	12° 30' 00" N 12° 45' 00" W	
(see also: Edanga, Eganga, Kedougou, 66 km W)			
Etiés		12° 34' 30" N 12° 26' 25" W	254 m
(see also: Etiess, Etiessé)			
Etiess (see Etiés)		12° 34' 30" N 12° 26' 25" W	254 m
Etiessé (see Etiés)		12° 34' 30" N 12° 26' 25" W	254 m
Fadiout (see Joal-Fadiout)		14° 10' 00" N 16° 50' 00" W	1 m
Fadiouth (see Joal-Fadiout)		14° 10' 00" N 16° 50' 00" W	1 m
Fatick		14° 21' 29" N 16° 35' 09" W	3 m
(see also: Fatik)			
Fatick region			
Fatik (see Fatick)		14° 21' 29" N 16° 35' 09" W	3 m
Fété Olé		16° 13' 56" N 15° 07' 18" W	
Fleuve Sénégal (see Senegal river)			
Forêt Classée de Kassas (see Forêt de Kassas)		14° 14' 00" N 15° 35' 00" W	

Forêt de Kassas (see also: Forêt Classée de Kassas, Kassas Forest)		14° 14' 00" N 15° 35' 00" W	
Gamon		13° 20' 00" N 12° 55' 00" W	67 m
Goudiri (see also: Goudiry)		14° 11' 00" N 12° 43' 00" W	57 m
Goudiry (see Goudiri)		14° 11' 00" N 12° 43' 00" W	57 m
Goulombo (see Gouloumbou)		13° 30' 00" N 13° 43' 00" W	63 m
Gouloumbo (see Gouloumbou)		13° 30' 00" N 13° 43' 00" W	63 m
Gouloumbou (see also: Goulombo, Gouloumbo)		13° 30' 00" N 13° 43' 00" W	63 m
Grotte de Niangné (Nianié) (see Niangné (Nianié) cave)			
Gué de Sambaillou		12° 39' 00" N 13° 19' 00" W	
Gué du Damantan		12° 59' 00" N 13° 24' 00" W	
Hahn-Dakar		14° 44' 00" N 17° 26' 00" W	
Hassirik (see Assirik)		12° 53' 00" N 12° 43' 00" W	
Haut Sénégal (see Senegal River, upper)			
île aux Serpents (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
île des Madeleines (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
île des Serpents (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
île des Serpents (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
îles aux Serpents (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
îles de la Madeleine (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
îles des Madeleines (see also: île aux Serpents, île des Madeleines, île des Serpents, île des Serpents, îles aux Serpents, îles de la Madeleine, Madeleine, island(s), Snake island(s))		14° 39' 13" N 17° 28' 16" W	
Joal (see Joal-Fadiout)		14° 10' 00" N 16° 50' 00" W	1 m
Joal, 4 km N (see Joal-Fadiout, 4 km N)	ca.	14° 10' 00" N 16° 50' 00" W	
Joal-Fadiout (see also: Fadiout, Fadiouth, Joal)		14° 10' 00" N 16° 50' 00" W	1 m
Joal-Fadiout, 4 km N (see also: Joal, 4 km N)	ca.	14° 10' 00" N 16° 50' 00" W	
Kaffrine		14° 07' 18" N 15° 41' 35" W	16 m
Kaffrine region			
Kaffrine, 15 km N		14° 08' 00" N 15° 34' 00" W	
Kanel department	ca.	15° 29' 30" N 13° 10' 35" W	
Kaolack region			
Kaolack, 6 km E	ca.	14° 11' 00" N 16° 15' 00" W	
Kaskas (see also: Cascas)		16° 22' 43" N 14° 03' 22" W	13 m
Kassas Forest (see Forêt de Kassas)		14° 14' 00" N 15° 35' 00" W	
Kédougou		12° 33' 00" N 12° 11' 00" W	99 m
Kédougou region	ca.	12° 50' 37" N 12° 12' 54" W	
Kedougou, 66 km W (see Enganga)	ca.	12° 30' 00" N 12° 45' 00" W	
Khombeul (see Khombole)		14° 46' 00" N 16° 42' 00" W	18 m
Khombole (see also: Khombeul, Kombole, Rhombole)		14° 46' 00" N 16° 42' 00" W	18 m
Kolda region			
Kombole (see Khombole)		14° 46' 00" N 16° 42' 00" W	18 m
Koukany (see Kounkané)		12° 56' 00" N 14° 05' 00" W	23 m
Koular (see also: Coular, Koularbou, Kular)		13° 41' 00" N 16° 11' 00" W	2 m
Koularbou (see Koular)		13° 41' 00" N 16° 11' 00" W	2 m
Koumkandé (see Kounkané)		12° 56' 00" N 14° 05' 00" W	23 m
Kounkané (see also: Koukany, Koumkandé)		12° 56' 00" N 14° 05' 00" W	23 m
Koutang (see Koutango)		13° 40' 00" N 16° 05' 00" W	20 m
Koutango (see also: Koutang, Kutang)		13° 40' 00" N 16° 05' 00" W	20 m
Kular (see Koular)		13° 41' 00" N 16° 11' 00" W	2 m
Kutang (see Koutango)		13° 40' 00" N 16° 05' 00" W	20 m
Lagbar		15° 49' 58" N 14° 48' 39" W	50 m
Lagbar, 10 km S	ca.	15° 45' 00" N 14° 50' 00" W	
Lagbar, 10 km SE	ca.	15° 45' 00" N 14° 45' 00" W	
Lengué Kountou		13° 02' 00" N 13° 04' 00" W	
Lingnéré (see Linguère)		15° 24' 00" N 15° 07' 00" W	2 m
Linguère (see also: Lingnéré, Lynguère)		15° 24' 00" N 15° 07' 00" W	2 m
Lodé		16° 10' 13" N 15° 17' 43" W	
Louga region			
Louga, 8 km E (see also: Luga, 8 km E)		15° 37' 00" N 16° 13' 00" W	
Luga, 8 km E (see Louga, 8 km E)		15° 37' 00" N 16° 13' 00" W	
Lynguère (see Linguère)		15° 24' 00" N 15° 07' 00" W	2 m

Madeleine, island(s) (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
Mako		12° 51' 00" N 12° 21' 00" W	
Mako-Camp		12° 50' 00" N 12° 20' 00" W	
Matam		15° 37' 03" N 13° 19' 49" W	28 m
Matam department			
Matam region			
Matam, 13 km SW (see Ogo)		15° 33' 00" N 13° 17' 00" W	27 m
Mbeut Ndanguène (see Mbeute)		14° 47' 28" N 17° 10' 00" W	30 m
Mbeute		14° 47' 28" N 17° 10' 00" W	30 m
(see also: Mbeut Ndanguène, Mbout)			
Mbilor		16° 30' 00" N 15° 35' 00" W	
Mbour		14° 24' 00" N 16° 58' 00" W	0 m
(see also: M'Bour, Mbur)			
M'Bour (see Mbour)		14° 24' 00" N 16° 58' 00" W	0 m
Mbout (see Mbeute)		14° 47' 28" N 17° 10' 00" W	30 m
Mbur (see Mbour)		14° 24' 00" N 16° 58' 00" W	0 m
Messira (see Missira)		13° 41' 00" N 16° 30' 01" W	19 m
Missira		13° 41' 00" N 16° 30' 01" W	19 m
(see also: Messira, Missirah, Missirah Saloum)			
Missirah (see Missira)		13° 41' 00" N 16° 30' 01" W	19 m
Missirah Saloum (see Missira)		13° 41' 00" N 16° 30' 01" W	19 m
Monts Asserick (see Assirik)		12° 53' 00" N 12° 43' 00" W	
Mount Asserick (see Assirik)		12° 53' 00" N 12° 43' 00" W	
Mount Assirik (see Assirik)		12° 53' 00" N 12° 43' 00" W	
Ndar (see St-Louis)		16° 01' 56" N 16° 37' 00" W	0 m
Ndoro			
N'Gari, near Kedougou	ca.	12° 38' 06" N 12° 14' 52" W	126 m
(see also: Ngari)			
Ngari (see N'Gari), near Kedougou	ca.	12° 38' 06" N 12° 14' 52" W	126 m
Ngohé (see Ngoyé)		14° 37' 00" N 16° 18' 00" W	
Ngoyé		14° 37' 00" N 16° 18' 00" W	
(see also: Ngohé, N'Goyé)			
N'Goyé (see Ngoyé)		14° 37' 00" N 16° 18' 00" W	
Niangné (Nianié) cave			
(see also: Grotte de Niangné (Nianié))			
Nieki-Ko		13° 11' 00" N 13° 21' 00" W	
Niériko		13° 21' 00" N 13° 21' 00" W	
Niériko bridge		13° 21' 00" N 13° 21' 00" W	
Niokolo		13° 04' 00" N 12° 43' 00" W	
Niokolo Koba national park		13° 00' 28" N 12° 54' 53" W	
(see also: Niokolo-Koba, parc national, Parc Nationale du Niokolo-Koba, Réserve de Chasse du Niokolo Coba)			
Niokolo-Koba, parc national (see Niokolo Koba national park)		13° 00' 28" N 12° 54' 53" W	
Ogo, 13 km SW Matam		15° 33' 00" N 13° 17' 00" W	27 m
(see also: Matam, 13 km SW)			
Parc National des Oiseaux du Djoudj (see Djoudj National Park)		16° 24' 00" N 16° 15' 00" W	
Parc Nationale du Niokolo-Koba (see Niokolo Koba national park)		13° 00' 28" N 12° 54' 53" W	
Pété (see Pété)		16° 13' 56" N 15° 07' 18" W	
(see also: Pété, Pété Olé)			
Pété Olé (see Pété)		16° 13' 56" N 15° 07' 18" W	
Pir Gourèy (see Pir Gourèye)		15° 00' 17" N 16° 43' 19" W	42 m
Pir Gourèye		15° 00' 17" N 16° 43' 19" W	42 m
(see also: Pir Gourèy, Piré Gourèye)			
Piré Gourèye (see Pir Gourèye)		15° 00' 17" N 16° 43' 19" W	42 m
Podor		16° 38' 56" N 14° 57' 39" W	11 m
Ranérou		15° 18' 00" N 13° 59' 48" W	35 m
Ranérou Ferlo department			
Ranérou, 13 km NW		15° 18' 00" N 13° 58' 00" W	
Ranérou, 7 km SE	ca.	15° 18' 00" N 13° 59' 48" W	
Réserve de Chasse du Niokolo Coba (see Niokolo Koba national park)		13° 00' 28" N 12° 54' 53" W	
Rhombole (see Khombole)		14° 46' 00" N 16° 42' 00" W	18 m
Richard Toll		16° 28' 00" N 15° 41' 00" W	10 m
Saboya, Nioro du Rip		13° 37' 06" N 16° 05' 01" W	34 m
Saint-Louis		16° 01' 56" N 16° 29' 30" W	0 m
Saint-Louis region			
Saint-Louis, 10 km SE	ca.	15° 59' 00" N 16° 26' 00" W	
Sangaleam (see Sangalkam)		14° 46' 52" N 17° 13' 40" W	22 m
Sangalkam		14° 46' 52" N 17° 13' 40" W	22 m
(see also: Sangaleam)			
SanLuis (see St-Louis)		16° 01' 56" N 16° 37' 00" W	0 m

Sédhiou		12° 42' 29" N 15° 33' 25" W	33 m
(see also: Sedhiu)			
Sédhiou department	ca.	12° 42' 29" N 15° 33' 25" W	
Sédhiou region			
Sedhiu (see Sédhiou)		12° 42' 29" N 15° 33' 25" W	33 m
Senegal			
Senegal river			
(see also: Fleuve Sénégal)			
Senegal River, upper			
(see also: Haut Sénégal)			
Silacounda (see Sillakounda Diakha)		12° 38' 39" N 12° 07' 25" W	90 m
Silacounta (see Sillakounda Diakha)		12° 38' 39" N 12° 07' 25" W	90 m
Silakounda (see Sillakounda Diakha)		12° 38' 39" N 12° 07' 25" W	90 m
Sillakounda Diakha		12° 38' 39" N 12° 07' 25" W	90 m
(see also: Silacounda, Silacounta, Silakounda)			
Simenti		13° 01' 00" N 13° 17' 00" W	
Snake island(s) (see îles des Madeleines)		14° 39' 13" N 17° 28' 16" W	
St-Louis (see St-Louis)		16° 01' 56" N 16° 37' 00" W	0 m
(see also: Ndar, SanLuis, St-Louis)			
Tabadienke, near Niokolo-Koba		13° 08' 00" N 13° 07' 00" W	
Tagana (see Dagana)		16° 31' 00" N 15° 30' 00" W	12 m
Tambacounda		13° 45' 14" N 13° 45' 31" W	61 m
(see also: Tambacounda)			
Tambacounda - Niokolo-Koba National Park		13° 46' 00" N 13° 39' 00" W	
Tambacounda region			
Thiès		14° 48' 00" N 16° 56' 00" W	63 m
Thiès region			
Thiès, 10 km W	ca.	14° 48' 00" N 16° 56' 00" W	
Touré			
Yatacounda (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Yatakou (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Yatakounda (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Yatakunda (see Diattakounda)		12° 34' 11" N 15° 41' 03" W	32 m
Yonoféré		15° 15' 57" N 14° 27' 40" W	15 m
(see also: Yoroforé)			
Yoroforé (see Yonoféré)		15° 15' 57" N 14° 27' 40" W	15 m
Zighinkor (see Ziguinchor)		12° 35' 00" N 16° 16' 19" W	15 m
Zigiunchor (see Ziguinchor)		12° 35' 00" N 16° 16' 19" W	15 m
Ziguinchor		12° 35' 00" N 16° 16' 19" W	15 m
(see also: Zighinkor, Zigiunchor, Zinguinhor)			
Ziguinchor region			
Zinguinhor (see Ziguinchor)		12° 35' 00" N 16° 16' 19" W	15 m

Seychelles:

Seychelles			

Sierra Leone:

Aberdeen Village, 14 km from Freetown		8° 29' 33" N 13° 17' 04" W	0 m
(see also: Freetown, 14 km from)			
Aureol, mount (see Mount Aureol)		8° 28' 51" N 13° 13' 05" W	366 m
Bo			
Bo School			
Bombali district			
Bonth (see Bonthe), Sherbro island		7° 31' 55" N 12° 30' 18" W	9 m
Bonthe, Sherbro island		7° 31' 55" N 12° 30' 18" W	9 m
(see also: Bonth)			
Bumban, 1 mi E		9° 07' 00" N 11° 54' 00" W	
Cole Farm, 6 km from Freetown	ca.	8° 30' 00" N 13° 17' 00" W	
(see also: Freetown, 6 km from)			
Colony peninsula (see Sierrra Leone peninsula)		8° 20' 00" N 13° 10' 00" W	
Eastern province			
Fadugu		9° 23' 00" N 11° 46' 00" W	299 m
Fintonia, 10.1 km NE		9° 45' 00" N 12° 10' 00" W	
Fintonia, 5.7 km NE (see Outamba section)		9° 42' 00" N 12° 11' 00" W	
Fintonia, 5.8 km E (see HQ, W bank Kaba river)		9° 40' 00" N 12° 10' 00" W	
Forestry Training School	ca.	7° 53' 56" N 11° 13' 06" W	
Four Miles (see Four Miles)		8° 20' 19" N 13° 00' 17" W	48 m
(see also: Four Miles)			
Freetown, Hillstation		8° 29' 24" N 13° 14' 03" W	76 m
Freetown, 10 km from (see Lumley Village)		8° 27' 14" N 13° 16' 57" W	0 m
Freetown, 129 km from (see Lunsar)		8° 41' 00" N 12° 32' 00" W	52 m
Freetown, 14 km from (see Aberdeen Village)		8° 29' 33" N 13° 17' 04" W	0 m
Freetown, 145 mi [=233 km] NE (see Musaia)		9° 45' 00" N 11° 34' 00" W	423 m

Freetown, 24 km (see Wellington Village)	8° 26' 55" N 13° 10' 10" W	41 m
Freetown, 6 km from (see Cole Farm)	8° 30' 00" N 13° 17' 00" E	
Glote Village		
Gola Forest Camp, 4 mi [=6.4 km] S Lalehun	7° 36' 47" N 10° 57' 59" W	
(see also: Lalehun, 4 mi [=6.4 km] S)		
Hamilton Village, near Freetown	8° 22' 55" N 13° 15' 35" W	60 m
(see also: Kangbe)		
Hanjama, 1 mi [=1.6 km] S	7° 57' 00" N 10° 56' 00" W	161 m
Hanjama, 1 mi [=1.6 km] W	7° 57' 00" N 10° 56' 00" W	
HQ, W bank Kaba river	9° 40' 00" N 12° 10' 00" W	
(see also: Fintonia, 5.8 km E)		
Kabala	9° 35' 00" N 11° 33' 00" W	456 m
(see also: Kaballa)		
Kaballa (see Kabala)	9° 35' 00" N 11° 33' 00" W	456 m
Kambui Hills Forest Reserve	7° 46' 17" N 11° 16' 21" W	
Kangbe (see Hamilton Village), near Freetown	8° 22' 55" N 13° 15' 35" W	60 m
Kassewa Forest Reserve, 20 mi NE Moyamba	8° 04' 00" N 12° 30' 00" W	
(see also: Moyamba, 20 mi [=32 km] NE)		
Kent	8° 09' 57" N 13° 10' 00" W	0 m
Kilimi section, 5.2 mi W Sainya	9° 48' 00" N 12° 27' 00" W	
(see also: Sainya, 5.2 mi [=8.4 km] W)		
Kissey (see Kissy), near Freetown	8° 28' 07" N 13° 11' 35" W	89 m
Kissy, near Freetown	8° 28' 07" N 13° 11' 35" W	89 m
(see also: Kissey, Kissy Village)		
Kissy Village (see Kissy), near Freetown	8° 28' 07" N 13° 11' 35" W	89 m
Konia, 0.5 mi [=0.8 km] SE	8° 06' 00" N 11° 01' 00" W	
Konia, 5 mi [=8 km] SE	8° 06' 00" N 11° 01' 00" W	
Lalehun	8° 11' 00" N 11° 05' 00" W	256 m
Lalehun, 4 mi [=6.4 km] S (see Gola Forest Camp)	7° 36' 47" N 10° 57' 59" W	
Lansar (see Lunsar), 129 km from Freetown	8° 41' 00" N 12° 32' 00" W	52 m
Levuma, Central		
Lokko Town (see Russel Village)	8° 15' 00" N 13° 05' 00" W	50 m
Lumley Village, 10 km from Freetown	8° 27' 14" N 13° 16' 57" W	0 m
(see also: Freetown, 10 km from, Pasandi)		
Lunsar, 129 km from Freetown	8° 41' 00" N 12° 32' 00" W	52 m
(see also: Freetown, 129 km from, Lansar)		
Makeni	8° 53' 00" N 12° 03' 00" W	92 m
Mongberi, near Bo	7° 58' 00" N 11° 54' 00" W	
Mount Aureol	8° 28' 51" N 13° 13' 05" W	366 m
(see also: Aureol, mount)		
Moyamba, 20 mi [=32 km] NE (see Kassewa Forest Reserve)	8° 04' 00" N 12° 30' 00" W	
Murray Town	8° 29' 37" N 13° 15' 55" W	20 m
Musaia, 145 mi NE Freetown	9° 45' 00" N 11° 34' 00" W	423 m
(see also: Freetown, 145 mi [=233 km] NE)		
Newton	8° 20' 19" N 13° 00' 17" W	48 m
Njala	8° 07' 04" N 12° 05' 04" W	67 m
(see also: Njale)		
Njala Taja River	8° 06' 00" N 12° 04' 00" W	
Njale (see Njala)	8° 07' 04" N 12° 05' 04" W	67 m
Northern province		
Outamba section, 5.7 km NE Fintonia	9° 42' 00" N 12° 11' 00" W	
(see also: Fintonia, 5.7 km NE)		
Outamba-Kilimi National Park		
Panguma, 10 mi [=16 km] N	8° 17' 00" N 11° 06' 00" W	
Pasandi (see Lumley Village), 10 km from Freetown	8° 27' 14" N 13° 16' 57" W	0 m
Petifu, Port Loko Creek	8° 35' 00" N 12° 57' 00" W	
(see also: Port Lokko river, Port Loko Creek)		
Port Lokko river (see Petifu)	8° 35' 00" N 12° 57' 00" W	
Port Loko Creek (see Petifu)	8° 35' 00" N 12° 57' 00" W	
Rokupr	8° 40' 18" N 12° 23' 43" W	77 m
Russel Village	8° 15' 00" N 13° 05' 00" W	50 m
(see also: Lokko Town, Russell)		
Russell (see Russel Village)	8° 15' 00" N 13° 05' 00" W	50 m
Sainya, 5.2 mi [=8.4 km] W (see Kilimi section)	9° 48' 00" N 12° 27' 00" W	
Saltpan, near, near Fogbo	8° 16' 00" N 12° 59' 00" W	4 m
Scaries river		
Segbwema	8° 00' 00" N 10° 57' 00" W	
(see also: Segbwemba)		
Segbwema, 1 mi [=1.6 km] SE	8° 00' 00" N 10° 57' 00" W	
Segbwemba (see Segbwema)	8° 00' 00" N 10° 57' 00" W	
Serabu	7° 47' 45" N 12° 03' 08" W	41 m
Sierra Leone		
Sierra Leone, 100 miles off the coast		
Sierrra Leone peninsula	8° 20' 00" N 13° 10' 00" W	
(see also: Colony peninsula)		

Southern province			
Tasso island		8° 33' 17" N 13° 04' 28" W	
Tonkolili district	ca.	8° 37' 08" N 11° 50' 30" W	
Waterloo		8° 20' 18" N 13° 04' 19" W	39 m
Wellington Village, 24 km from Freetown (see also: Freetown, 24 km)		8° 26' 55" N 13° 10' 10" W	41 m
Western province			
Yele Island, off Sherbro island		7° 34' 54" N 12° 58' 48" W	
Yengema		7° 49' 34" N 12° 00' 55" W	55 m
Yengewa, 0.5 mi [=0.8 km] E		7° 49' 00" N 12° 01' 00" W	
Yile Island, off Sherbro island		7° 34' 54" N 12° 58' 48" W	
York		8° 17' 08" N 13° 10' 48" W	0 m

Somalia:

Afgoi (see Afgooye)		2° 09' 00" N 45° 07' 00" E	77 m
Afgoi, 6 km S, 17 km W (see Libsoma farm)		2° 05' 00" N 44° 58' 00" E	
Afgooye (see also: Afgoi, Afgoye, Asgoi)		2° 09' 00" N 45° 07' 00" E	77 m
Afgoye (see Afgooye)		2° 09' 00" N 45° 07' 00" E	77 m
Afkala Haya (see also: Bandar Fílúk, Bender Filuch, Bender Gelid, Bender Geoid)		11° 54' 00" N 50° 35' 00" E	5 m
Afmadoow (see Afmadow)		0° 31' 02" N 42° 04' 16" E	19 m
Afmadow (see also: Afmadoow, Afmadu)		0° 31' 02" N 42° 04' 16" E	19 m
Afmadu (see Afmadow)		0° 31' 02" N 42° 04' 16" E	19 m
Asgoi (see Afgooye)		2° 09' 00" N 45° 07' 00" E	77 m
Awdal region			
Bakol region (see also: Bakool region |PC:BK|)			
BakooPC:BK|)			
Balad (see Balcad)		2° 21' 00" N 45° 23' 00" E	84 m
Balad, 1 mi [=1.6 km] S (see Balcad, 1 mi [=1.6 km] S)	ca.	2° 21' 00" N 45° 23' 00" E	
Balad, 5 mi [=8 km] S (see Balcad, 5 mi [=8 km] S)	ca.	2° 21' 00" N 45° 23' 00" E	
Balcad (see also: Balad)		2° 21' 00" N 45° 23' 00" E	84 m
Balcad, 1 mi [=1.6 km] S (see also: Balad, 1 mi [=1.6 km] S)	ca.	2° 21' 00" N 45° 23' 00" E	
Balcad, 5 mi [=8 km] S (see also: Balad, 5 mi [=8 km] S)	ca.	2° 21' 00" N 45° 23' 00" E	
Banaadir region (see also: Banadir region |PC:BN|)			
BanadPC:BN|) (see also: Mogadishu region |PC:BN|)			
Bandar Fílúk (see Afkala Haya)		11° 54' 00" N 50° 35' 00" E	5 m
Bandar Kassim (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Baraawe (see also: Barawa, Barawe, Braawe, Brava, Brave)		1° 06' 00" N 44° 03' 00" E	0 m
Barawa (see Baraawe)		1° 06' 00" N 44° 03' 00" E	0 m
Barawe (see Baraawe)		1° 06' 00" N 44° 03' 00" E	0 m
Bari region (see also: North East region |PC:|)			
Bay region			
Bender Cassim (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Bender Filuch (see Afkala Haya)		11° 54' 00" N 50° 35' 00" E	5 m
Bender Gelid (see Afkala Haya)		11° 54' 00" N 50° 35' 00" E	5 m
Bender Geoid (see Afkala Haya)		11° 54' 00" N 50° 35' 00" E	5 m
Bender Qaasin (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Bénder Qasin (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Berbera, near	ca.	10° 26' 23" N 45° 00' 52" E	
Boosaaso (see also: Bandar Kassim, Bender Cassim, Bender Qaasin, Bénder Qasin, Boosaso, Bosaso, Bossaso)		11° 17' 05" N 49° 10' 57" E	17 m
Boosaso (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Bosaso (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Bossaso (see Boosaaso)		11° 17' 05" N 49° 10' 57" E	17 m
Braawe (see Baraawe)		1° 06' 00" N 44° 03' 00" E	0 m
Brava (see Baraawe)		1° 06' 00" N 44° 03' 00" E	0 m
Brave (see Baraawe)		1° 06' 00" N 44° 03' 00" E	0 m
Bulo Bérde (see Buulobarde)		3° 51' 00" N 45° 34' 00" E	126 m
Bulo Burti (see Buulobarde)		3° 51' 00" N 45° 34' 00" E	126 m
Bur 'ó (see Burco)		9° 31' 00" N 45° 32' 00" E	1034 m

Burao (see Burco)		9° 31' 00" N 45° 32' 00" E	1034 m
Burco		9° 31' 00" N 45° 32' 00" E	1034 m
(see also: Bur 'ó, Burao)			
Buulo (see Buulobarde)		3° 51' 00" N 45° 34' 00" E	126 m
Buulo Berde (see Buulobarde)		3° 51' 00" N 45° 34' 00" E	126 m
Buulo Burte (see Buulobarde)		3° 51' 00" N 45° 34' 00" E	126 m
Buulobarde		3° 51' 00" N 45° 34' 00" E	126 m
(see also: Bulo Bérde, Bulo Burti, Buulo, Buulo Berde, Buulo Burte)			
Callis (see Kalis)		8° 26' 00" N 49° 05' 00" E	308 m
Candala (see Qandala)		11° 28' 16" N 49° 52' 26" E	2 m
Ceelbuur		4° 41' 00" N 46° 37' 00" E	152 m
(see also: El-Bur)			
Chisimaio (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Chisimayu (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Dhuwi (see Dowai [wadi])		10° 02' 00" N 44° 14' 00" E	
Dowa (see Dowai [wadi])		10° 02' 00" N 44° 14' 00" E	
Dowai [wadi]		10° 02' 00" N 44° 14' 00" E	
(see also: Dhuwi, Dowa, Duwi Pass)			
Duca degli Abruzzi (see Jawhar)		1° 57' 00" N 44° 50' 00" E	73 m
Duwi Pass (see Dowai [wadi])		10° 02' 00" N 44° 14' 00" E	
Eggi, 4 km S (see Eji, 4 km S), N of Mahaddei		3° 11' 00" N 45° 32' 00" E	100 m
Eji, 4 km S, N of Mahaddei		3° 11' 00" N 45° 32' 00" E	100 m
(see also: Eggi, 4 km S)			
El Amba cave (see El Amha cave)		1° 54' 12" N 45° 04' 57" E	
El Amha cave (see Raas Boqol iyoToban iyo Afar), 5.5 km S, 11.5 km W Gesira		1° 54' 12" N 45° 04' 57" E	
(see also: El Amba cave)			
El Bur to El Der, road between	ca.	4° 40' 00" N 46° 30' 00" E	
El-Bur (see Ceelbuur)		4° 41' 00" N 46° 37' 00" E	152 m
Fink, mount			
(see also: Mont Fink, Mount Fink)			
GalgaPC:GA|)			
Galgaduud region			
(see also: Galgadoud region |PC:GA|)			
Galgala (see Galgalo Oase)		10° 58' 00" N 49° 05' 00" E	453 m
Galgalla (see Galgalo Oase)		10° 58' 00" N 49° 05' 00" E	453 m
Galgalo Oase		10° 58' 00" N 49° 05' 00" E	453 m
(see also: Galgala, Galgalla)			
Gedo region			
(see also: Gedu region |PC:GE|)			
GeduPC:GE|)			
Gelib (see Jilib)		0° 29' 45" N 42° 46' 22" E	19 m
Genale (see Jannaale)		1° 48' 00" N 44° 42' 00" E	64 m
Gesira , 5.5 km S, 11.5 km W (see Raas Boqol iyoToban iyo Afar)		1° 54' 12" N 45° 04' 57" E	
Giamama (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
Giamame (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
Giamana (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
Giamane (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
Giohar (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Giohar (see Jawhar)		1° 57' 00" N 44° 50' 00" E	73 m
Giohar, 1.5 km S, 0.5 km E (see Snai Sugar Plantation)		2° 46' 00" N 45° 31' 00" E	
Hamar (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Hargeisa (see Hargeysa)		9° 35' 00" N 44° 04' 00" E	1277 m
Hargesa (see Hargeysa)		9° 35' 00" N 44° 04' 00" E	1277 m
Hargeysa		9° 35' 00" N 44° 04' 00" E	1277 m
(see also: Hargeisa, Hargesa)			
Hiiraan region			
(see also: Hiran region |PC:HI|)			
HiranPC:HI|)			
Hoja Wajeer		1° 14' 00" N 41° 32' 00" E	4 m
(see also: Ola Uager, Uaiore, Wayore)			
Il Marodi (see Kalis)		8° 26' 00" N 49° 05' 00" E	308 m
Jamaame		0° 04' 20" N 42° 45' 02" E	10 m
(see also: Giamama, Giamame, Giamana, Giamane, Jamame, Margherita)			
Jamaame, 4 km S, 4 km W	ca.	0° 02' 00" N 42° 43' 00" E	
Jamaame, 5 km S, 7.5 km W		0° 01' 00" N 42° 41' 00" E	
Jamame (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
Janaale (see Jannaale)		1° 48' 00" N 44° 42' 00" E	64 m
Jannaale		1° 48' 00" N 44° 42' 00" E	64 m
(see also: Genale, Janaale)			

Jawhar (see also: Giohar, Johar, Joher, Joowhar, Jowhar, Villa del dottore Abruzzi, Villa Duca Abruzzi, Villaggio Duca Abruzzi, Villaggio Duca degli Abruzzi)		2° 46' 00" N 45° 31' 00" E	100 m
Jawhar (see also: Duca degli Abruzzi, Giohar, Jowhar)		1° 57' 00" N 44° 50' 00" E	73 m
Jeelib (see Jilib)		0° 29' 45" N 42° 46' 22" E	19 m
Jilib (see also: Gelib, Jeelib)		0° 29' 45" N 42° 46' 22" E	19 m
Johar (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Joher (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Joowhar (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Jowhar (see Jawhar)		1° 57' 00" N 44° 50' 00" E	73 m
Jowhar (see Jawhar)		2° 46' 00" N 45° 31' 00" E	100 m
Jubba Valley, Shonto Forest, Dhokal		1° 01' 00" N 42° 36' 00" E	
Jubbada Dhexe region (see also: Middle Juba region |PC:JD|)			
Jubbada Hoose region (see also: Lower Juba region |PC:JH|)			
Kalis (see also: Callis, Il Marodi)		8° 26' 00" N 49° 05' 00" E	308 m
Kandala (see Qandala)		11° 28' 16" N 49° 52' 26" E	2 m
Kisimayo (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kisimayu (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kismaanyo (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kismaayo (see also: Chisimaio, Chisimayu, Kisimayo, Kisimayu, Kismaanyo, Kismaju, Kismanyó, Kismayo, Kismayu)		0° 22' 00" S 42° 32' 00" E	0 m
Kismaju (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kismanyó (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kismayo (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Kismayu (see Kismaayo)		0° 22' 00" S 42° 32' 00" E	0 m
Libsoma farm, 6 km S, 17 km W of Afgoi, Mordinle (see also: Afgoi, 6 km S, 17 km W)		2° 05' 00" N 44° 58' 00" E	
LowerPC:JH|)			
LowerPC:SH|)			
Magadiscio (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mallable		2° 12' 00" N 45° 37' 00" E	5 m
Maqdishu (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mareerey (see also: Marerei, Mareri)		0° 25' 49" N 42° 43' 05" E	15 m
Marerei (see Mareerey)		0° 25' 49" N 42° 43' 05" E	15 m
Mareri (see Mareerey)		0° 25' 49" N 42° 43' 05" E	15 m
Margherita (see Jamaame)		0° 04' 20" N 42° 45' 02" E	10 m
MiddlPC:JD|)			
MiddlPC:SD|)			
Mijertein		9° 00' 00" N 50° 00' 00" E	
Mogadiisho (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadischu (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadiscio (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadiscio (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadish (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadishiu (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadisho (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mogadishu (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
MogadPC:BN|)			
Mogadishu, 3 mi [=4.8 km] N (see Muqdisho, 3 mi [=4.8 km] N)	ca.	2° 04' 00" N 45° 22' 00" E	
Mogadisio, 3 mi [=4.8 km] N (see Muqdisho, 3 mi [=4.8 km] N)	ca.	2° 04' 00" N 45° 22' 00" E	
Mont Fink (see Fink, mount)			
Moqdisho (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m
Mount Fink (see Fink, mount)			
Mudug region			
Muqdisho (see also: Hamar, Magadiscio, Maqdishu, Mogadiisho, Mogadischu, Mogadiscio, Mogadiscio, Mogadish, Mogadishiu, Mogadisho, Mogadishu, Moqdisho, Muqdishow, Muqdishu, Xamar)		2° 04' 00" N 45° 22' 00" E	28 m
Muqdisho, 3 mi [=4.8 km] N (see also: Mogadishu, 3 mi [=4.8 km] N, Mogadisio, 3 mi [=4.8 km] N)	ca.	2° 04' 00" N 45° 22' 00" E	
Muqdishow (see Muqdisho)		2° 04' 00" N 45° 22' 00" E	28 m

Muqdishu (see Muqdisho)	2° 04' 00" N 45° 22' 00" E	28 m
NorPC:BR|)		
Nugaal region		
(see also: Nugal region |PC:NU|)		
NugalPC:NU|)		
Ola Uager (see Hoja Wajeer)	1° 14' 00" N 41° 32' 00" E	4 m
Qandala	11° 28' 16" N 49° 52' 26" E	2 m
(see also: Candala, Kandala)		
Raas Boqol iyoToban (see Raas Boqol iyoToban iyo Afar), 5.5 km S, 11.5 km W Gesira	1° 54' 12" N 45° 04' 57" E	
Raas Boqol iyoToban iyo Afar, 5.5 km S, 11.5 km W Gesira	1° 54' 12" N 45° 04' 57" E	
(see also: El Amha cave, Gesira , 5.5 km S, 11.5 km W, Raas Boqol iyoToban)		
Ruspoli		
Sanaag region		
(see also: Sanag region |PC:SA|)		
SanagPC:SA|)		
Saylac	11° 21' 14" N 43° 28' 26" E	5 m
(see also: Seelaac, Séyla', Seylac, Zayla, Zeila, Zeyla, Zeylac)		
Seelaac (see Saylac)	11° 21' 14" N 43° 28' 26" E	5 m
Séyla' (see Saylac)	11° 21' 14" N 43° 28' 26" E	5 m
Seylac (see Saylac)	11° 21' 14" N 43° 28' 26" E	5 m
Shabeellaha Dhexe region		
(see also: Middle Shabelle region |PC:SD|)		
Shabeellaha Hoose region		
(see also: Lower Shabelle region |PC:SH|)		
Sheekh (see Shiikh)	9° 56' 00" N 45° 11' 00" E	1439 m
Sheikh (see Shiikh)	9° 56' 00" N 45° 11' 00" E	1439 m
Shiikh	9° 56' 00" N 45° 11' 00" E	1439 m
(see also: Sheekh, Sheikh, Upper Sheikh)		
Shoonto forest	1° 01' 00" N 42° 36' 00" E	
Snai Sugar Plantation, 1.5 km S, 0.5 km E Giohar	2° 46' 00" N 45° 31' 00" E	
(see also: Giohar, 1.5 km S, 0.5 km E)		
Somalia		
Sool region		
(see also: Soul region |PC:SO|)		
SoulPC:SO|)		
Taleh cave	9° 12' 00" N 48° 25' 00" E	
Toghdeer region		
(see also: Tojtier region |PC:TO|)		
TojtiPC:TO|)		
Uaiore (see Hoja Wajeer)	1° 14' 00" N 41° 32' 00" E	4 m
Upper Sheikh (see Shiikh)	9° 56' 00" N 45° 11' 00" E	1439 m
Villa del dottore Abruzzi (see Jawhar)	2° 46' 00" N 45° 31' 00" E	100 m
Villa Duca Abruzzi (see Jawhar)	2° 46' 00" N 45° 31' 00" E	100 m
Villaggio Duca Abruzzi (see Jawhar)	2° 46' 00" N 45° 31' 00" E	100 m
Villaggio Duca degli Abruzzi (see Jawhar)	2° 46' 00" N 45° 31' 00" E	100 m
Wadajir, 8 km N, 4.5 km E	0° 40' 00" S 41° 42' 00" E	
Wayore (see Hoja Wajeer)	1° 14' 00" N 41° 32' 00" E	4 m
Woqooyi Galbeed region		
Xamar (see Muqdisho)	2° 04' 00" N 45° 22' 00" E	28 m
Zayla (see Saylac)	11° 21' 14" N 43° 28' 26" E	5 m
Zeila (see Saylac)	11° 21' 14" N 43° 28' 26" E	5 m
Zeyla (see Saylac)	11° 21' 14" N 43° 28' 26" E	5 m
Zeylac (see Saylac)	11° 21' 14" N 43° 28' 26" E	5 m

South Africa:

"Cape of Good Hope"		
(see also: "Kaap Goede Hoop")		
"Kaap Goede Hoop" (see "Cape of Good Hope")		
"Onmeetbare" cave (see Bredasdorp)	34° 32' 00" S 20° 02' 00" E	114 m
Aasvogelrand-Oost, Farm 291 (see Farm Aasvogelrand-Oost 291), Vredefort	26° 52' 00" S 27° 22' 00" E	
Abbotsbury, 27.5 km N, 6 km E Graaff-Reinet	32° 00' 14" S 24° 31' 08" E	1300 m
(see also: Graaff-Reinet, 27.5 km N, 6 km E)		
Abbotsford	32° 57' 45" S 27° 55' 00" E	20 m
Abe Baily Nature Reserve (see Farm Wonderfontein 103IQ), Caltonville	26° 18' 00" S 27° 24' 00" E	
Aberdeen district (see Cacadu district)		
Acornhoek, 11 km N Newinngton	24° 35' 00" S 31° 05' 00" E	594 m
(see also: Newinngton, 11 km N)		

Adams College, 22 mi [=35 km] NE Durban (see also: Adams M.S., Adams Mission, Adams Mission Station, Durban, 22 mi [=35 km] NE)		30° 02' 00" S 30° 49' 00" E	156 m
Adams M.S. (see Adams College), 22 mi [=35 km] NE Durban		30° 02' 00" S 30° 49' 00" E	156 m
Adams Mission (see Adams College), 22 mi [=35 km] NE Durban		30° 02' 00" S 30° 49' 00" E	156 m
Adams Mission Station (see Adams College), 22 mi [=35 km] NE Durban		30° 02' 00" S 30° 49' 00" E	156 m
Addington, Durban		29° 50' 36" S 31° 02' 03" E	0 m
Addo Elephant National Park (see Addo National Park)		33° 30' 00" S 25° 45' 00" E	400 ft
Addo Elephant Park (see Addo National Park)		33° 30' 00" S 25° 45' 00" E	400 ft
Addo National Park (see also: Addo Elephant National Park, Addo Elephant Park)		33° 30' 00" S 25° 45' 00" E	400 ft
Aetana (see also: Christian Brothers College)		25° 44' 00" S 28° 16' 00" E	
Agricultural Research Council [=ARC] grounds (see Irene), Pretoria		25° 52' 08" S 28° 12' 59" E	1469 m
Albany district	ca.	27° 15' 00" S 26° 58' 00" E	
Albatros (see Albatross), Gazankulu		24° 31' 00" S 31° 25' 00" E	
Albatross, Gazankulu (see also: Albatros)		24° 31' 00" S 31° 25' 00" E	
Albert Falls Nature Reserve, 20 km N Pietermaritzburg (see also: Albert Falls Public Resort, Albert Falls Resource Reserve)		29° 26' 45" S 30° 25' 43" E	
Albert Falls Public Resort (see Albert Falls Nature Reserve)		29° 27' 00" S 30° 24' 00" E	
Albert Falls Resource Reserve (see Albert Falls Nature Reserve)		29° 26' 45" S 30° 25' 43" E	
Alexander Bay, 36.2 km N, 47.5 km E (see Richtersveld)		28° 17' 29" S 16° 58' 13" E	480 m
Alexanderskraal, Farm (see Farm Alexanderskraal)		32° 18' 35" S 23° 25' 00" E	3000 ft
Alexandria		33° 39' 00" S 26° 25' 00" E	195 m
Alfred Nzo district			
Algeria (see Algeria Forestry Station)		32° 23' 00" S 19° 04' 00" E	
Algeria Forestry Station (see also: Algeria, Algeria State Forest, Clanwilliam, 28 km SSE)		32° 23' 00" S 19° 04' 00" E	
Algeria State Forest (see Algeria Forestry Station)		32° 23' 00" S 19° 04' 00" E	
Alice		32° 47' 00" S 26° 50' 00" E	493 m
Alicedale		33° 18' 00" S 26° 05' 00" E	300 m
Aliwal North, Roodewal (see also: Aliwal-Noord)		30° 42' 00" S 26° 42' 00" E	1360 m
Aliwal-Noord (see Aliwal North), Roodewal		30° 42' 00" S 26° 42' 00" E	1360 m
Alldays, 32 km NE (see Farm Hilda [=V.L.NR.])		22° 19' 00" S 29° 14' 00" E	
Alldays, 32 km NE (see Farm Luna 61MS [=V.L.N.R.])		22° 22' 00" S 29° 21' 00" E	
Alldays, 32 km NE (see Farm Regina 68 [=V.L.N.R.])		22° 22' 48" S 29° 16' 12" E	
Allemans Drift, Farm (see Farm Allemans Drift), Philippolis		30° 32' 00" S 25° 20' 00" E	
Allemansdrift, Farm (see Farm Allemans Drift), Philippolis		30° 32' 00" S 25° 20' 00" E	
Alma, Farm (see Farm Alma)		29° 40' 00" S 25° 06' 00" E	
Al-te-ver, Farm 103 (see Farm Al-te-ver 103), 1 km SSE Maastroom		22° 46' 00" S 28° 28' 00" E	
Alverstone Lot 514		29° 45' 36" S 30° 43' 16" E	
Amabele		32° 39' 00" S 27° 32' 00" E	800 m
Amajuba district			
Amalinda		32° 59' 00" S 27° 51' 00" E	125 m
Amanzi Estate, 4 mi [=6.4 km] N Despatch (see also: Despatch, 4 mi [=6.4 km] N)		33° 45' 00" S 25° 28' 00" E	
Amanzimtoti		30° 03' 00" S 30° 52' 48" E	
Amatikulu Mountain		29° 41' 42" S 30° 55' 12" E	
Amatole district			
American cave (see Farm Uitkomst 499)		25° 54' 00" S 27° 46' 00" E	
Amsterdam, 2 km NE (see Farm Tweepoort 404)		26° 36' 00" S 30° 43' 00" E	
Andalusia (see Jan Kempdorp), Agriculture station		27° 55' 00" S 24° 51' 00" E	
Andries Vosloo Kudu Resserve, 19.2 km N, 18.3 km E Grahamstown (see also: Grahamstown, 19.2 km N, 18.3 km E)		33° 08' 12" S 26° 43' 17" E	460 m
Animal Lodge		29° 45' 40" S 30° 40' 24" E	
Anthrax camp, on Levuvhu river, 3 km W Levuvhu bridge (see also: Levuvhu Bridge, 3 km W)		22° 25' 30" S 31° 12' 30" E	
Anthrax Camp, 2 mi W (see North Cave)		22° 26' 00" S 31° 11' 00" E	
Ararat, Sterkfontein Dam Nature Reserve (see also: Sterkfontein Dam Nature Reserve)		28° 07' 30" S 28° 52' 30" E	
Ararat (see Sterkfontein dam)		28° 26' 00" S 29° 01' 00" E	
Arnoldton		32° 58' 00" S 27° 48' 00" E	200 m

Ashburton House (see Ashburton, Farm), Pietermaritzburg		29° 38' 00" S 30° 28' 00" E	760 m
Ashburton, Farm, 6 km S, 8 km E Pietermaritzburg (see also: Ashburton House, Farm Ashburton, Pietermaritzburg, 6 km S, 8 km E)		29° 40' 00" S 30° 28' 00" E	760 m
Assen, 5 km NE (see Farm Buffelspoort 149 JQ)		25° 07' 00" S 27° 37' 00" E	
Atherstone Station, near (see Farm Fir Glen)		33° 19' 20" S 26° 23' 21" E	900 m
Atherstone, Farm (see Farm Atherstone)		33° 19' 00" S 26° 22' 00" E	600 m
Athlone Park		30° 00' 54" S 30° 55' 24" E	
Augrabies Falls National Park (see also: Augrabies Waterfall National Park)		28° 36' 00" S 20° 20' 00" E	
Augrabies Waterfall National Park (see Augrabies Falls National Park)		28° 36' 00" S 20° 20' 00" E	
Augrabies Wes, Farm 153 (see Farm Oograbies West 153)		29° 12' 00" S 17° 05' 00" E	
Aurora, 8.0 km N, 3.0 km W (see Farm Rietfontein)		32° 38' 00" S 18° 28' 00" E	125 m
Ayliff, mount, 0.3 km N, 8.9 km W (see Insizwe Mine)		30° 48' 00" S 29° 17' 00" E	1140 m
Babanango, 10.5 km N, 14 km E (see Denny Dalton Mine)		28° 17' 00" S 31° 14' 00" E	770 m
Baden, Farm (see Farm "Baden")		33° 42' 14" S 20° 07' 14" E	350 m
Badfontein, Farm 114JT (see Farm Badfontein 114JT), Kwena		25° 17' 30" S 30° 23' 16" E	
Badplaas (see also: Badplaats, Die Bad)		25° 57' 10" S 30° 34' 00" E	1058 m
Badplaats (see Badplaas)		25° 57' 10" S 30° 34' 00" E	1058 m
Balasi		32° 51' 00" S 27° 24' 00" E	450 m
Ballito (see also: Ballito-Westbrook)		29° 32' 00" S 31° 13' 00" E	
Ballito-Westbrook (see Ballito) (see also: Dakahlia governorate |PC:DQ|)		29° 32' 00" S 31° 13' 00" E	
Balule Private Nature Reserve, on Oliphants River		24° 03' 00" S 31° 44' 00" E	
Bandolierskop, 5 km N (see Blydschap), Pietersburg district		23° 16' 00" S 29° 46' 00" E	
Bangu gorge caves, 12 km E Elephants camp (see also: Elephants camp, 12 km E)		24° 05' 00" S 31° 44' 00" E	
Bangu Poort, cave near		24° 08' 28" S 31° 48' 42" E	
Baobab Hill, 200 m S, turn off to Machayi Pan		22° 29' 41" S 31° 12' 25" E	
Barberspan Flora en Fauna Natuurreservaat (see Barberspan Provincial Nature Reserve), Delareyville, 24 km E		26° 34' 00" S 25° 35' 00" E	
Barberspan Natuurreserwe (see Barberspan Provincial Nature Reserve), Delareyville, 24 km E		26° 34' 00" S 25° 35' 00" E	
Barberspan Provincial Nature Reserve, Delareyville, 24 km E (see also: Barberspan Flora en Fauna Natuurreservaat, Barberspan Natuurreserwe, Delareyville, 24 km E)		26° 34' 00" S 25° 35' 00" E	
Barberton (see also: Umhlumna)		25° 47' 00" S 31° 03' 00" E	786 m
Barberton (mine) tunnel		25° 47' 58" S 31° 02' 57" E	596 m
Barberton, 10.4 km NNE (see Chambaire Nursery)		25° 42' 11" S 30° 58' 39" E	675 m
Barberton, 11 km ENE (see Figaro Mine)		25° 27' 00" S 31° 28' 00" E	
Barberton, 14 km NW		25° 47' 00" S 30° 54' 00" E	
Barberton, 14 mi [=22 km] W	ca.	25° 47' 00" S 30° 54' 00" E	
Barberton, 2 mi [=3.2 km] SW	ca.	25° 47' 00" S 30° 54' 00" E	
Barkley East (see Barkly East)		30° 58' 00" S 27° 36' 00" E	1789 m
Barkley West (see Barkly West)		28° 30' 00" S 24° 33' 00" E	1150 m
Barkly East, Drumbo (see also: Barkley East, Barkly-Oos)		30° 58' 00" S 27° 36' 00" E	1789 m
Barkly East district (see Chris Hani district)			
Barkly East, 12.3 km S, 14.1 km W (see Farm Clifford 287)		31° 04' 41" S 27° 26' 58" E	1780 m
Barkly East, 7.9 km S, 23.4 km W (see Farm Buckholt 228)		31° 02' 15" S 27° 21' 08" E	1680 m
Barkly West (see also: Barkley West, Barkly-Wes)		28° 30' 00" S 24° 33' 00" E	1150 m
Barkly-Oos (see Barkly East)		30° 58' 00" S 27° 36' 00" E	1789 m
Barkly-Wes (see Barkly West)		28° 30' 00" S 24° 33' 00" E	1150 m
Bassutoland			
Bathurst State Forest, 4.7 km S, 3.7 km W Bathurst (see also: Bathurst, 4.7 km S, 3.7 km W)		33° 32' 45" S 26° 47' 12" E	10 m
Bathurst, 4.7 km S, 3.7 km W (see Bathurst State Forest)		33° 32' 45" S 26° 47' 12" E	10 m
Bat's Cave, 5 km S, 7.5 km W Nahoon Point (see also: Nahoon Point, 5 km S, 7.5 km W)		33° 02' 45" S 27° 52' 05" E	0 m
Bat's cave		34° 02' 00" S 25° 32' 00" E	20 m

Bat's Cave, Mission Rocks (see Mission Rocks Bats Cave), 12 km N, 8 km E St. Lucia Estuary	28° 16' 00" S 32° 30' 00" E	0 m
Battelary, Langebaan	33° 09' 00" S 18° 06' 00" E	
Baviaanskrans, Farm 308JQ (see Kgaswane Nature Reserve)	25° 43' 13" S 27° 11' 07" E	
Baviaanspoort Sewage Works, 21 km NE Pretoria (see also: Pretoria, 21 km NE)	25° 41' 25" S 28° 21' 47" E	
Baviaanspoort, Farm 330 (see Farm Baviaanspoort 330), Pretoria, 19 km NE	25° 40' 48" S 28° 21' 36" E	
Bayete Camp	27° 46' 48" S 32° 18' 36" E	ca. 56 m
Bayip, 31 km WNW Nossob [=Nossob camp] (see also: Nassob, 31 km WNW, Nossob camp, 31 km WNW)	25° 17' 00" S 20° 13' 00" E	
Bazely village (see Bazley Beach)	30° 25' 58" S 30° 40' 10" E	
Bazley Beach (see also: Bazely village)	30° 25' 58" S 30° 40' 10" E	
Beaufort West, 2 km NW (see Karoo National Park)	32° 15' 00" S 22° 35' 00" E	1000 m
Beaufort West, 23 km N (see Matjies Vlei)	32° 08' 00" S 22° 33' 00" E	
Beaufort West, 9 km NW (see Karoo National Park)	32° 20' 00" S 22° 33' 00" E	
Beaumont	29° 52' 42" S 30° 33' 29" E	710 m
Bedford	32° 41' 00" S 26° 06' 00" E	800 m
Bedford, 2.2 km N, 9.5 km E (see Cullendale)	32° 39' 00" S 26° 11' 00" E	685 m
Bela-Bela, 50 km W (see Farm Vellefontein 517 KQ)	24° 49' 26" S 27° 47' 07" E	
Bela-Bela, 53 km W (see Farm Rietfontein 536KQ)	24° 54' 30" S 27° 44' 36" E	
Belfast Town	25° 41' 00" S 30° 20' 00" E	
Belfonan		
Bellair	29° 53' 00" S 30° 57' 00" E	
Bellar Adduss		
Bellsbank (see Bellsbank Estates), 47 km W Warrenton	28° 08' 00" S 24° 24' 00" E	
Bellsbank Estates, 47 km W Warrenton (see also: Bellsbank, Warrenton, 47 km W)	28° 08' 00" S 24° 24' 00" E	
Belvedere, near Knysna	34° 02' 00" S 22° 59' 00" E	
Beneva Tunnel (see Esperanza Tunnel), Suzela	30° 20' 38" S 30° 37' 53" E	
Benghensdorp		
Berea	29° 51' 00" S 31° 00' 00" E	
Berg Plants Farm (see Farm Berg Plants)	23° 02' 54" S 29° 26' 48" E	
Berg River (see Farm Kersefontein), 16 km N Hopefield	32° 54' 13" S 18° 19' 51" E	
Berg-en-Dal	25° 44' 38" S 30° 05' 38" E	1810 m
Bergplaas (see also: Bergplaast)	33° 53' 00" S 22° 40' 00" E	444 m
Bergplaast (see Bergplaas)	33° 53' 00" S 22° 40' 00" E	444 m
Bergville, 45 km NW (see Royal Natal National Park)	28° 44' 00" S 28° 55' 00" E	1602 m
Berlin		
Berlin, Farm 446JT (see also: Farm 446JT (Berlin), Farm Berlin 446JT)	25° 30' 48" S 30° 46' 29" E	
Bester Game Farm (see T. Bester Game Farm)	27° 50' 00" S 32° 15' 00" E	200 m
Bethlehem, Bellevue [1416]	28° 14' 00" S 28° 18' 00" E	1706 m
Bethulie, Eendrag, Subdivision 2 of Damfontein [518]	30° 30' 00" S 25° 58' 00" E	1295 m
Birchleig, Kempton Park (see also: Kempton Park)	26° 04' 00" S 28° 14' 00" E	
Birthday Goldmine (see Tzaneen), Tzaneen	23° 50' 00" S 30° 10' 00" E	742 m
Bishopstowe cave, Pietermaritzburg	29° 34' 36" S 30° 27' 20" E	823 m
Bisley, near Pietermaritzburg	29° 42' 00" S 30° 19' 00" E	695 m
Bitterfontein, 10 km NNE (see Farm Kersbos)	30° 57' 00" S 18° 12' 00" E	
Bizana, near Harding	30° 52' 00" S 29° 51' 00" E	800 m
Blaauwbank, Farm 168JS (see Farm Blaauwbank 168JS), Groblersdal, E	25° 19' 00" S 29° 47' 00" E	
Black & White Umfolozi River confluence, 13.5 km N, 21 km W	28° 14' 00" S 31° 46' 00" E	200 m
Black & White Umfolozi River confluence, 17 km N, 22 km W	28° 12' 00" S 31° 45' 00" E	250 m
Black Eagle Lodge	23° 00' 39" S 29° 45' 49" E	1350 m
Blaney	32° 52' 00" S 27° 32' 00" E	500 m
Blaney Nature Reserve, King William's Town	32° 52' 00" S 27° 27' 00" E	
Bleskop, Rustenberg	25° 41' 00" S 27° 23' 00" E	
Blijdschap Private Nature Reserve (see Blydschap), Pietersburg district, 5 km N Bandolierskop	23° 16' 00" S 29° 46' 00" E	
Blinkklip cave, near Postmasburg	28° 18' 00" S 23° 07' 02" E	
Bloemfontein	29° 08' 00" S 26° 12' 00" E	1423 m
Bloemfontein, 15 mi [=24 km] N (see Glen)	28° 56' 00" S 26° 20' 00" E	
Blouberg Private Nature Reserve (see Farm Urk 10), 13 km W Vivo, Blouberg Krans	23° 02' 00" S 29° 08' 00" E	854 m
Bluff	29° 55' 54" S 31° 00' 48" E	
Bluff Nature Reserve	29° 55' 59" S 30° 59' 36" E	20 m
Blurweberg cave, Pretoria	25° 48' 00" S 27° 58' 59" E	

Blyde Canyon Nature Reserve (see Blyderivierspoort Natuurreservaat)		24° 35' 00" S 30° 49' 00" E	
Blyderivier Nature Reserve (see Blyderivierspoort Natuurreservaat)		24° 35' 00" S 30° 49' 00" E	
Blyderivier Nature Reserve (see Blyderivierspoort Natuurreservaat)		24° 35' 00" S 30° 49' 00" E	
Blyderivierspoort Nature Reserve (see Blyderivierspoort Natuurreservaat)		24° 35' 00" S 30° 49' 00" E	
Blyderivierspoort Natuurreservaat (see also: Blyde Canyon Nature Reserve, Blyderivier Nature Reserve, Blyderivier Nature Reserve, Blyderivierspoort Nature Reserve)		24° 35' 00" S 30° 49' 00" E	
Blydschap, Pietersburg district, 5 km N Bandolierskop (see also: Bandolierskop, 5 km N, Blijdschap Private Nature Reserve)		23° 16' 00" S 29° 46' 00" E	
Blythedale Beach, Minivillas, KwaDukuza		29° 22' 23" S 31° 20' 57" E	75 m
Blythswood Institute (see Blythswood Training Institute)		32° 12' 00" S 27° 58' 00" E	850 m
Blythswood Training Institute (see also: Blythswood Institute, Blythswood Training Institution)		32° 12' 00" S 27° 58' 00" E	850 m
Blythswood Training Institution (see Blythswood Training Institute)		32° 12' 00" S 27° 58' 00" E	850 m
Bobomene Research Camp (see also: Bobomeni Research Camp)		22° 25' 18" S 31° 12' 49" E	
Bobomeni Research Camp (see Bobomene Research Camp)		22° 25' 18" S 31° 12' 49" E	
Boegoeberg Dam, 0.5 mi E		29° 03' 00" S 22° 12' 00" E	
Boekenhoufontein [farmstead] (see Boekenhoutfontein [farmstead]), 15 km N Rustenburg		25° 13' 00" S 27° 06' 00" E	
Boekenhoutfontein [farmstead], 15 km N Rustenburg (see also: Boekenhoufontein [farmstead], Rustenburg, 15 km N)		25° 13' 00" S 27° 06' 00" E	
Boekenhoutskloof, Farm (see Farm Boekenhoutskloof), Cullinan		25° 31' 00" S 28° 25' 00" E	
Boerboomskraal (see also: Buffelsvlei, Marone, Morone)		24° 49' 00" S 30° 21' 00" E	876 m
Boesman Grotte (see Farm Guano Caves 163)		33° 49' 58" S 20° 10' 28" E	420 m
Bojanala district			
Boksburg, Midtown		26° 13' 00" S 28° 15' 00" E	1599 m
Bokveld, Farm (see Farm Bokveld), 20 km E Messina, on Limpopo River		22° 19' 00" S 30° 11' 00" E	
Boland district (see Cape Winelands district)			
Bolts, Farm (see Farm Bolts), Krugersdorp		26° 02' 05" S 27° 42' 48" E	
Bonamanzi Game Reserve, 5 km S Hluhluwe Village (see also: Hluhluwe Village, 5 km S)		28° 06' 00" S 32° 18' 00" E	63 m
Bontebok National Park (see Lang-Elsieskraal Bontebok Park)		34° 05' 00" S 20° 27' 00" E	70 m
Bophirima district (see Dr Ruth Segomotsi Mompati district)			
Bordeaux, Farm (see Farm Bordeaux), 5 mi E Waterpoort		22° 41' 00" S 29° 38' 00" E	
Boshof (see also: Hertzogville)		28° 33' 00" S 25° 14' 00" E	1254 m
Boskop Dam Nature Reserve, Potchefstroom		26° 33' 00" S 27° 07' 00" E	
Boston	ca.	29° 40' 00" S 29° 57' 00" E	
Botha's Hill, Rob Roy Hotel		29° 45' 00" S 30° 44' 00" E	
Bothaville		27° 22' 00" S 26° 37' 00" E	1275 m
Botrivier		34° 13' 00" S 19° 12' 00" E	75 m
Botshabelo			
Bourke's Luck (see also: Elandsfontein, Farm 435KT, Farm 435KT (Elandsfontein), Farm Elandsfontein 435KT)		24° 39' 00" S 30° 49' 00" E	
Bourkes Luck Potholes (see Farm Bourkes Luck 454)		24° 39' 00" S 30° 49' 00" E	
Bourkes Luck, Farm 454 (see Farm Bourkes Luck 454)		24° 39' 00" S 30° 49' 00" E	
Brakfontein, Farm (see Farm Brakfontein), 12 mi [=19 km] N Willowmore		33° 08' 00" S 23° 25' 00" E	
Brakfontein, Farm (see Farm Brakfontein), 25 km NNE Griekwastad; 24.5 km NE Hay		28° 40' 00" S 23° 22' 00" E	
Brakkloof, near Grahamstown		33° 12' 00" S 26° 40' 00" E	
Brandfort, Florisbad [686]		28° 42' 00" S 26° 28' 00" E	1412 m
Branfort		28° 41' 39" S 26° 27' 27" E	1388 m
Bredasdorp (see also: "Onmeetbare" cave)		34° 32' 00" S 20° 02' 00" E	114 m
Bredasdorp, 16.2 km S, 17.8 km W (see Waenhuiskrans Overhangs)		34° 40' 44" S 20° 14' 04" E	0 m
Bredasdorp, 16.4 km N, 21.5 km W (see Farm Swq 1032)		34° 23' 04" S 19° 48' 27" E	166 m

Bredasdorp, 2 km N, 6 km E (see De Hoop Nature Reserve)	34° 27' 18" S 20° 23' 57" E	50 m
Bredasdorp, 32 km ENE (see De Hoop Nature Reserve)	34° 27' 18" S 20° 23' 57" E	50 m
Bredill, Benoni	26° 10' 00" S 28° 18' 00" E	
Breidbach, 1.4 km S, 5.2 km E King William's Town (see also: King William's Town, 1.4 km S, 5.2 km E)	32° 53' 31" S 27° 26' 42" E	380 m
Briardene	29° 47' 53" S 31° 00' 56" E	35 m
Brighton Beach	29° 56' 00" S 31° 00' 00" E	
Brits	25° 38' 00" S 27° 47' 00" E	1083 m
Brits, 14 km S, 10.5 km W (see Trident Kloof)	25° 46' 00" S 27° 40' 00" E	1350 m
Brits, 25.5 km S, 14.7 Km E (see Crocodile River Bank)	25° 51' 00" S 27° 56' 00" E	1225 m
Brits, 37 mi [=59.5 km] N (see Buffelsdraai)	25° 08' 00" S 27° 40' 00" E	
Brombeek, Farm 271/2 (see Farm Brombeek 271/2)	22° 32' 00" S 29° 27' 00" E	
Bronkhorstspruit (see also: Erasmus)	25° 48' 30" S 28° 44' 26" E	1375 m
Bronkhorstspruit Dam Nature Reserve	25° 57' 16" S 28° 41' 03" E	
Brooklyn, Pretoria	25° 45' 47" S 28° 14' 13" E	
Broughton	29° 26' 00" S 30° 27' 00" E	737 m
Bryanston, 883 Lowndees Road	26° 03' 00" S 28° 02' 00" E	1520 m
Bube pan, 15 km E Mkuzi village (see also: Malibali Hide, Malibali pan, Mkuzi village, 15 km E)	27° 37' 58" S 32° 11' 03" E	94 m
Buckholt, Farm 228 (see Farm Buckholt 228)	31° 02' 15" S 27° 21' 08" E	1680 m
Buffalo mine, Barberton	25° 46' 00" S 31° 03' 00" E	
Buffalo Pass	33° 00' 45" S 27° 48' 30" E	400 m
Buffel Rivier Poort, Farm (see Farm Buffel Rivier Poort), Ladismith NW	33° 22' 00" S 21° 37' 00" E	420 m
Buffelsdraai, 37 mi N Brits (see also: Brits, 37 mi [=59.5 km] N)	25° 08' 00" S 27° 40' 00" E	
Buffelshoek, Farm 446KQ, Thabazimbi, 16 mi [=26 km] SE	24° 40' 18" S 27° 21' 38" E	
Buffelskloof Private Nature Reserve (see Farm Uitkyk 264JT)	25° 18' 00" S 30° 30' 00" E	
Buffelspoort, Farm 149JQ (see Farm Buffelspoort 149 JQ), 5 km NE Assen	25° 07' 00" S 27° 37' 00" E	
Buffelsvlei (see Boerboomskraal)	24° 49' 00" S 30° 21' 00" E	876 m
Buitenhoop, Farm (see Farm Buitenhoop)	28° 06' 00" S 25° 13' 00" E	
Bultfontein (see also: Eldorado, Farm 66, Farm 66 (Eldorado), Farm Eldorado 66)	28° 56' 00" S 25° 57' 00" E	
Buren, Farm (see Farm Buren), 128 km NW Ellisras	23° 37' 00" S 27° 52' 00" E	
Burgers Park, Pretoria	25° 43' 00" S 28° 11' 00" E	
Burgersdorf (see Burgersdorp)	30° 59' 00" S 26° 19' 00" E	1450 m
Burgersdorp (see also: Burgersdorf, Burghersdorp)	30° 59' 00" S 26° 19' 00" E	1450 m
Burghersdorp (see Burgersdorp)	30° 59' 00" S 26° 19' 00" E	1450 m
Burman Bush Nature Reserve	29° 48' 58" S 31° 00' 57" E	
Burman Bush, North Ridge Road, Durban		
Bushcamp (see Tierkloof), Gamkaberg	33° 44' 30" S 21° 53' 30" E	
Bushmans Caves (see Farm Guano Caves 163)	33° 49' 58" S 20° 10' 28" E	420 m
Butata, Farm 210 (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Buxton mine (see Norlim mine), 16 km SW Taung	27° 37' 00" S 24° 38' 00" E	1087 m
Buzzard Mountain Retreat, 16 km NW Louis Trichardt (see also: Buzzard Mountain Sanctuary, Louis Trichardt, 16 km NW)	23° 02' 00" S 29° 46' 00" E	
Buzzard Mountain Sanctuary (see Buzzard Mountain Retreat), 16 km NW Louis Trichardt, Soutpansberg	23° 02' 00" S 29° 46' 00" E	
Byaxixi, near Matiyotshwuka	23° 22' 22" S 31° 10' 03" E	
Cacadu district (see also: Aberdeen district, Hankey district)		
Caffer (see Caffraria)		
Caffraria (see also: Caffer, Kaffraria)		
Caltonville (see Farm Wonderfontein 103IQ)	26° 18' 00" S 27° 24' 00" E	
Calvinia, 54 mi [=87 km] E (see Farm Gouna)	31° 32' 16" S 203° 29' 09" E	3600 ft
Calvinia, 6 mi [=9.6 km] E (see Farm Onder-Downes)	31° 31' 06" S 19° 31' 06" E	
Cape Division		
Cape of Good Hope (peninsula) (see Cape Peninsula)	34° 10' 00" S 18° 20' 00" E	
Cape of Good Hope (see Cape Peninsula)	34° 10' 00" S 18° 20' 00" E	
Cape Peninsula (see also: Cape of Good Hope, Cape of Good Hope (peninsula), Kaapse Skiereiland)	34° 10' 00" S 18° 20' 00" E	
Cape province (see also: Kaap provincie, The Cape)		

Cape Town (see also: Kaapstad)		33° 55' 00" S 18° 25' 00" E	6 m
Cape Town, 200 mi [=322 km] E			
Cape Town, near	ca.	33° 55' 00" S 18° 25' 00" E	
Cape Vidal (see Cape Vidal State Forest), Eastern Shores Nature Reserve		28° 04' 00" S 32° 32' 00" E	
Cape Vidal Nature Reserve, E shores		28° 08' 39" S 32° 32' 48" E	50 m
Cape Vidal State Forest, Eastern Shores Nature Reserve (see also: Cape Vidal)		28° 04' 00" S 32° 32' 00" E	
Cape Winelands district (see also: Boland district)			
Capricorn district			
Cares		25° 40' 00" S 28° 15' 00" E	
Carnarvon, 62 km W (see Farm Goraas FrQ 2.9)		31° 11' 00" S 21° 32' 00" E	
Carolina		26° 04' 09" S 30° 06' 54" E	1788 m
Carrington Heights		29° 52' 59" S 30° 58' 01" E	
Carter's Nurseries			
Cathcart		32° 18' 00" S 27° 08' 00" E	1168 m
Cato Ridge		29° 41' 49" S 30° 38' 01" E	807 m
Cato Ridge, 3 km NE		29° 44' 00" S 30° 35' 00" E	ca. 800 m
Cave of Death (see Irene), Pretoria		25° 52' 08" S 28° 12' 59" E	1469 m
Cavendish		29° 53' 49" S 30° 54' 48" E	
Cedarberg [Farmstead] (see Sederberg [Farmstead])		32° 30' 00" S 19° 16' 00" E	
Cederberg [Farmstead] (see Sederberg [Farmstead])		32° 30' 00" S 19° 16' 00" E	
Central district (see Ngaka Modiri Molema district)			
Central Karoo district			
Centurion (see also: Verwoerburg, Verwoerdburg)		25° 52' 28" S 28° 10' 14" E	1443 m
Ceres (see Ceres Peak), Mitchell's Pass		33° 23' 00" S 19° 16' 00" E	
Ceres Peak, Mitchell's Pass (see also: Ceres)		33° 23' 00" S 19° 16' 00" E	
Ceres, near	ca.	33° 22' 00" S 19° 19' 00" E	ca. 500 m
Chalet 1		29° 28' 00" S 30° 23' 00" E	
Chambaire Nursery, 10.4 km NNE Barberton (see also: Barberton, 10.4 km NNE)		25° 42' 11" S 30° 58' 39" E	675 m
Charter's Creek, W shores Lake St. Lucia		28° 12' 00" S 32° 24' 50" E	20 m
Chartwell, Johannesburg		26° 00' 00" S 27° 58' 00" E	1351 m
Chase Valley, Pietermaritzburg (see also: Chase Valley Heights)		29° 34' 00" S 30° 22' 00" E	798 m
Chase Valley Heights (see Chase Valley)		29° 34' 00" S 30° 22' 00" E	
Chatsworth (see also: Chatsworth 1, Chatsworth Indian Township)		29° 55' 07" S 30° 53' 30" E	
Chatsworth 1 (see Chatsworth)		29° 55' 07" S 30° 53' 30" E	
Chatsworth Indian Township (see Chatsworth)		29° 55' 07" S 30° 53' 30" E	
Chelmsford Nature Reserve, 30 km S Newcastle (see also: Newcastle, 30 km S)		27° 57' 54" S 29° 55' 18" E	1253 m
Chemfos mine (see Langebaanweg)		32° 58' 00" S 18° 09' 00" E	56 m
Chester, Farm 235 (see Farm Chester 235), dam on Blyde River		24° 35' 00" S 30° 47' 00" E	
Chipise (see Tshipise)		22° 36' 00" S 30° 10' 00" E	501 m
Chipise, 1 mi [=1.6 km] NE (see Tshipise, 1 mi [=1.6 km] NE)	ca.	22° 36' 00" S 30° 10' 00" E	
Chris Hani district (see also: Barkly East district)			
Christian Brothers College (see Aetana)		25° 44' 00" S 28° 16' 00" E	
Christiana, 5 km NNE (see Farm Welgedaan 292)		27° 42' 00" S 25° 13' 00" E	
Cinnabar mine		25° 48' 36" S 31° 00' 36" E	
Citrusdal		32° 36' 00" S 19° 01' 00" E	200 m
Citrusdal, 10 mi [=16 km] N (see Hex River Estates)		33° 30' 00" S 19° 35' 00" E	200 m
City of Cape Town district			
City of Johannesburg district			
City of Tshwane district			
Clairwood Park		29° 56' 00" S 30° 58' 00" E	
Clansthal		30° 14' 00" S 30° 46' 00" E	
Clanwilliam		32° 08' 00" S 18° 57' 00" E	600 m
Clanwilliam, 12 km ENE (see Pakhuis Pass, Kliphuis camp site)		32° 08' 10" S 19° 00' 10" E	693 m
Clanwilliam, 18 mi [=29 km] NE (see Traveller's Rest;)		32° 04' 00" S 19° 05' 00" E	500 ft
Clanwilliam, 28 km SSE (see Algeria Forestry Station)		32° 23' 00" S 19° 04' 00" E	
Clarens		28° 28' 00" S 28° 26' 00" E	
Clarens, near	ca.	28° 28' 00" S 28° 26' 00" E	
Clearwater, Farm (see Farm Clearwater)		31° 16' 00" S 30° 01' 00" E	
Clifford, Farm 287 (see Farm Clifford 287)		31° 04' 41" S 27° 26' 58" E	1780 m
Clocolan		28° 54' 00" S 27° 34' 00" E	1580 m
Cnydas, Farm (see Farm Cnydas), 12 km NW Lutzput		28° 22' 00" S 20° 34' 00" E	

Coetzer's Rust, near Alice		32° 47' 00" S 26° 50' 00" E	550 m
Coffee Bar (see Coffee Bay)		31° 58' 00" S 29° 09' 00" E	20 m
Coffee Bay (see also: Coffee Bar, Koffiebaai)		31° 58' 00" S 29° 09' 00" E	20 m
Coffee Bay, 17.5 km N, 14.4 km E (see Hluleka Nature Reserve)		31° 49' 31" S 29° 18' 13" E	10 m
Coloniesplaats (see Koloniesplaas), 28 mi [=45 km] N Graaff-Reinet		31° 59' 34" S 24° 47' 58" E	
Commisiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg		25° 48' 00" S 27° 14' 00" E	
Commissiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg		25° 48' 00" S 27° 14' 00" E	
Commissiesdrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg		25° 48' 00" S 27° 14' 00" E	
Commissionsdrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg		25° 48' 00" S 27° 14' 00" E	
Committees Drift		33° 09' 30" S 26° 49' 25" E	100 m
Committees Drift, 7.2 km S, 5.7 km W (see Farm Kleinpoort (Bd))		33° 13' 20" S 26° 46' 16" E	200 m
Compagnies Drif, 10 mi inland Lamberts Bay (see also: Compagnies Drift, Compagniesdrift Farm, Farm Compagniesdrift, Lamberts Bay, 10 mi [=16 km] inland, Lambert's Bay, 4 km S, 14 km E)		32° 07' 00" S 18° 27' 00" E	100 m
Compagnies Drift (see Compagnies Drif), 10 mi inland Lamberts Bay		32° 08' 00" S 18° 27' 00" E	100 m
Compagniesdrift Farm (see Compagnies Drif)		32° 07' 00" S 18° 27' 00" E	100 m
Cowies Hill		29° 49' 00" S 30° 53' 00" E	
Cowies Hill Park		29° 49' 28" S 30° 52' 58" E	322 m
Cradock, 25 km SE	ca.	32° 11' 00" S 25° 37' 00" E	
Cradock, 40 km NW	ca.	32° 11' 00" S 25° 37' 00" E	
Craigadam (see Craigadam Farm)		27° 30' 17" S 31° 22' 19" E	
Craigadam Farm (see also: Craigadam)		27° 30' 17" S 31° 22' 19" E	
Craigieburn [Farmstead], Umkomaas, near		29° 54' 00" S 30° 39' 00" E	ca. 148 m
Crocodile Bridge Rest Camp (see Krokodilburg)		25° 21' 00" S 31° 54' 00" E	
Crocodile bridge, 3 km N (see Gezantombi waterhole)		25° 20' 00" S 31° 52' 00" E	
Crocodile River (see Malelane Ranger's Post, 2 km W, on N Bank Crocodile River), 2 km W Malelane Ranger's Post on N Bank		25° 29' 00" S 31° 31' 00" E	
Crocodile River Bank, 25.5 km S, 14.7 Km E Brits (see also: Brits, 25.5 km S, 14.7 Km E)		25° 51' 00" S 27° 56' 00" E	1225 m
Crowned Eagle Lodge, below		23° 00' 40" S 29° 45' 48" E	1374 m
Cullendale, 2.2 km N, 9.5 km E Bedford (see also: Bedford, 2.2 km N, 9.5 km E, Mount Pleasant, Pleasant, mount)		32° 39' 00" S 26° 11' 00" E	685 m
Cullinan		25° 40' 32" S 28° 31' 20" E	1482 m
Culling camp, on Levuvhu River		22° 25' 40" S 31° 15' 15" E	
Cypris		33° 58' 00" S 25° 36' 00" E	
Cyprus, Farm 68 (see Farm Cyprus 68), 13 km SW Ofcolaco		24° 11' 00" S 30° 17' 00" E	
Danielskuil		28° 11' 04" S 23° 31' 48" E	1478 m
Daniëlskuil		28° 11' 00" S 23° 32' 00" E	1451 m
Danielskuil, 10km N		28° 05' 52" S 23° 32' 21" E	
Dankbaar Windmill, Nassob [=Nossob camp], 60 km NW (see also: Nassob, 60 km NW, Nossob camp, 60 km NW)		25° 03' 00" S 20° 08' 00" E	
Darling, 2.0 km S, 5.1 km W (see Farm Doorn Fontein 574)		33° 23' 40" S 18° 19' 36" E	105 m
Darling, 3.3 km S, 0.1 km E (see Farm Drie Papen Fontein 576)		33° 24' 21" S 18° 22' 56" E	290 m
Daspoort (see Daspoortrant [mountains]), Pretoria		25° 45' 00" S 28° 02' 00" E	
Daspoort Range (see Daspoortrant [mountains]), Pretoria		25° 45' 00" S 28° 02' 00" E	
Daspoortrand (see Daspoortrant [mountains]), Pretoria		25° 45' 00" S 28° 02' 00" E	
Daspoortrant [mountains], Pretoria (see also: Daspoort, Daspoort Range, Daspoortrand)		25° 45' 00" S 28° 02' 00" E	
Dassie Cave (see Waterberg Game Farm, Dassie Cave), Waterberg		24° 07' 03" S 28° 23' 08" E	1451 m
De Aar, 8.7 km S, 8.5 km W (see Farm Swartkoppies)		30° 43' 45" S 23° 55' 21" E	1234 m
De Aar,13.4 km N, 6.4 km E		30° 31' 44" S 24° 04' 39" E	1280 m
De Hel			
De Hoek, Cradock District		31° 50' 00" S 26° 17' 00" E	1478 m
De Hoek Forest Station (see De Hoek Staatsbos), Tzaneen, 15 km W		23° 49' 37" S 30° 02' 53" E	4500 ft

De Hoek Staatsbos, Tzaneen, 15 km W (see also: De Hoek Forest Station, De Hoekbosreservaat, Letaba, 15 km W, Tzaneen, 15 km W)	23° 49' 37" S 30° 02' 53" E	4500 ft
De Hoek, Skeleton Cave (see Oudtshoorn), Oudtshoorn	33° 35' 00" S 22° 12' 00" E	328 m
De Hoekbosreservaat (see De Hoek Staatsbos), Tzaneen, 15 km W	23° 49' 37" S 30° 02' 53" E	4500 ft
De Hoop Guano Cave, 32 km ENE Bredasdorp	34° 25' 00" S 20° 24' 00" E	
De Hoop Nature Reserve, 32 km ENE Bredasdorp (see also: Bredasdorp, 2 km N, 6 km E, Bredasdorp, 32 km ENE, De Hoop Natuurreservaat, De Hoop Private Nature Reserve, De Hoop Provincial Nature Reserve, De Hoop, wildproefplaats, Roossenekal, 40 km N)	34° 27' 18" S 20° 23' 57" E	
De Hoop Natuurreservaat (see De Hoop Nature Reserve)	34° 27' 18" S 20° 23' 57" E	50 m
De Hoop Private Nature Reserve	24° 57' 00" S 29° 57' 00" E	
De Hoop Private Nature Reserve (see De Hoop Nature Reserve), 40 km N Roossenekal; 32 km ENE Bredasdorp	34° 27' 18" S 20° 23' 57" E	
De Hoop Provincial Nature Reserve (see De Hoop Nature Reserve)	34° 27' 18" S 20° 23' 57" E	
De Hoop, wildproefplaats (see De Hoop Nature Reserve), Wildproefplaats "De Hoop"	34° 27' 18" S 20° 23' 57" E	
De Kafferskraal, Farm 53JT (see Farm De Kafferskraal 53JT)	25° 10' 57" S 30° 08' 52" E	
De Nysna (see Knysna)	34° 02' 00" S 23° 02' 00" E	0 m
De Poort, Farm 378 (see Ventersburg)	28° 05' 00" S 27° 08' 00" E	1425 m
De Vrede, Farm (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet	32° 13' 03" S 24° 12' 26" E	
Deelfontein, Farm (see Farm Deelfontein)	30° 58' 00" S 23° 46' 00" E	4460 ft
Deepwalls (see Diepwalle State Forest)	33° 56' 00" S 23° 09' 00" E	
Deepwalls Forest Station (see Diepwalle State Forest)	33° 56' 00" S 23° 09' 00" E	
Delareyville, 24 km E (see Barberspan Provincial Nature Reserve)	26° 34' 00" S 25° 35' 00" E	
Denny Dalton Mine, 10.5 km N, 14 km E Babanango (see also: Babanango, 10.5 km N, 14 km E)	28° 17' 00" S 31° 14' 00" E	770 m
Department of Health camp (see Kosi Lake), Ingwavuma	26° 58' 00" S 32° 50' 00" E	
Derdepoort, Pretoria	25° 40' 50" S 28° 17' 20" E	
Derdepoort, 18 km SSE (see Farm Mooiplaas 94)	24° 45' 00" S 26° 25' 00" E	
Derdepoort, 8 km S (see Farm Mooigenoeg 83)	24° 40' 00" S 26° 20' 00" E	
Despatch	33° 47' 00" S 25° 28' 00" E	30 m
Despatch, 4 mi [=6.4 km] N (see Amanzi Estate)	33° 45' 00" S 25° 28' 00" E	
Deutschmann's Camp, 0.3 km S, 0.2 km W Umngazana River Mouth (see also: Umngazana River Mouth, 0.3 km S, 0.2 km W)	31° 41' 40" S 29° 25' 10" E	20 m
Dewetsdorp, Leeukop [105]	29° 35' 00" S 26° 40' 00" E	1591 m
Die Bad (see Badplaas)	25° 57' 10" S 30° 34' 00" E	1058 m
Die Oog (see also: Eye of Kuruman)	27° 27' 00" S 23° 26' 00" E	1200 m
Diepwalle State Forest, 14 km NNE Knysna (see also: Deepwalls, Deepwalls Forest Station, Knysna, 14 km NNE)	33° 56' 00" S 23° 09' 00" E	
Dirleton, Farm 276 (see Farm Dirleton 276)	22° 32' 00" S 29° 21' 00" E	
Dlinza Forest, Eshowe	28° 53' 59" S 31° 27' 00" E	515 m
D'Nyala Provincial Nature Reserve, 11 km SE Ellisras (see also: Ellisras, 11 km SE)	23° 45' 00" S 27° 48' 00" E	
Dog's Dam	33° 18' 00" S 26° 31' 00" E	530 m
Dongolakop, Messina	22° 15' 00" S 29° 41' 00" E	
Donkerpoort, Farm 448 (see Gatkop cave), 24 km E Thabazimbi, Rooiberg	24° 37' 05" S 27° 39' 08" E	
Donnybrook, 15 km W (see Hlabeni Forest Reserve)	29° 57' 00" S 29° 46' 00" E	1318 m
Doon Heights	30° 04' 00" S 30° 52' 00" E	56 m
Doonside	30° 04' 00" S 30° 53' 00" E	24 m
Doorn Fontein, Farm 574 (see Farm Doorn Fontein 574)	33° 23' 40" S 18° 19' 36" E	105 m
Doornbosch, Farm (see Farm Doornbosch)	32° 02' 42" S 24° 04' 46" E	1500 m
Doorndraai Dam Nature Reserve, Potgietersrus-Naboomspruit	24° 16' 00" S 28° 43' 00" E	
Doornhoek, Dannhauser	28° 29' 00" S 29° 25' 00" E	1357 m
Doornhoek mine, 13.0 km E Pietermaritzburg (see also: Pietermaritzburg, 13.0 km E)	29° 36' 00" S 30° 31' 00" E	535 m
Doornhoek, Farm (see Farm Doornhoek), Pietermaritzburg	29° 36' 00" S 30° 31' 00" E	
Doornkraal Camp Site (see Doornkraal campsite)	27° 30' 27" S 31° 12' 25" E	

Doornkraal campsite, Ngubhu river (see also: Doornkraal Camp Site, Farm Doornkraal)		27° 30' 27" S 31° 12' 25" E	
Doornsloot		24° 01' 00" S 28° 22' 00" E	ca. 1301 m
Dordrecht, Mariba, subdivision of Joubertskop		31° 22' 00" S 27° 03' 00" E	1723 m
Dordrecht, Farm (see Farm Dordrecht), 20 km S Marken		23° 50' 00" S 28° 22' 00" E	
Dr Kenneth Kaunda district (see also: Southern district)			
Dr Ruth Segomotsi Mompati district (see also: Bophirima district)			
Drakenburg mountains			
Drakensburg, Royal Natal National Park		28° 41' 00" S 28° 56' 00" E	
Drakensig, 5 Lark Cresent		24° 26' 00" S 31° 01' 00" E	574 m
Dresden, Farm 366 (see Excelsior)		28° 56' 00" S 27° 04' 00" E	1453 m
Drie Papen Fontein, Farm 576 (see Farm Drie Papen Fontein 576)		33° 24' 21" S 18° 22' 56" E	290 m
Driefontein, Farm (see Farm Driefontein), Vaalwater; Waterberg			
Driehoek, Farm 218 (see Farm Driehoek 218), Luckhoff		29° 38' 00" S 24° 52' 00" E	
Dubbelwater, Farm (see Farm Dubbelwater), 65 km N Vaalwater		23° 49' 00" S 28° 16' 00" E	
Dugundhlovu camp site		28° 01' 00" S 32° 21' 00" E	
Duivelskloof (see Duiwelskloof)		23° 42' 00" S 30° 08' 00" E	
Duiwelskloof (see also: Duivelskloof, Duwelskloof)		23° 42' 00" S 30° 08' 00" E	
Duiwelskloof, 8 km E (see Farm Naerina)		23° 42' 00" S 30° 16' 00" E	
Duiwelskloof, Farm 376 (see Farm Duiwelskloof 376), Tzaneen		23° 42' 00" S 30° 08' 00" E	
Dukuduku Forest (see Dukuduku State Forest), 6 km NNE Hlabisa		28° 23' 00" S 32° 19' 00" E	
Dukuduku Forest Reserve (see Dukuduku State Forest), 6 km NNE Hlabisa		28° 23' 00" S 32° 19' 00" E	
Dukuduku Forest Station (see Dukuduku State Forest), 6 km NNE Hlabisa		28° 23' 00" S 32° 19' 00" E	
Dukuduku Staatsbos (see Dukuduku State Forest), 6 km NNE Hlabisa		28° 23' 00" S 32° 19' 00" E	
Dukuduku State Forest, 6 km NNE Mtubatuba (see also: Dukuduku Forest, Dukuduku Forest Reserve, Dukuduku Forest Station, Dukuduku Staatsbos, Hlabisa, 6 km NNE, Mtubatuba, 6 km NNE)		28° 23' 00" S 32° 19' 00" E	
Dullstroom Town		25° 25' 00" S 30° 07' 00" E	1964 m
Dumisa gold mine, 1 km E Dumisa railway station (see also: Dumisa Mine, Dumisa railway station, 1 km E, Umzinto, 5 km N, 22 km W)		30° 16' 05" S 30° 26' 29" E	685 m
Dumisa Mine (see Dumisa gold mine), 5 km N, 22 km W Umzinto		30° 16' 05" S 30° 26' 29" E	685 m
Dumisa railway station, 1 km E (see Dumisa gold mine), Ixopo		30° 16' 05" S 30° 26' 29" E	685 m
Dundee, 1 km E (see Lennox Farm)		28° 09' 20" S 30° 17' 57" E	1232 m
Durban, 21 King George Avenue		29° 45' 07" S 30° 49' 51" E	559 m
Durban (see also: Durban CBD, Port Natal)		29° 51' 00" S 31° 01' 00" E	
Durban CBD (see Durban)		29° 51' 00" S 31° 01' 00" E	
Durban International Airport		29° 58' 01" S 30° 56' 31" E	
Durban North, 8 Portland Crescent		29° 48' 00" S 31° 02' 00" E	
Durban North area (presumably)		29° 48' 00" S 31° 02' 00" E	
Durban, 22 mi [=35 km] NE (see Adams College)		30° 02' 00" S 30° 49' 00" E	156 m
Durban, 48 km NW (see Umgeni (Fish) Hatchery)		29° 35' 25" S 30° 37' 18" E	400 m
Durban, 5 km S (see Isipingo)		29° 59' 00" S 30° 56' 00" E	
Durban, 50 km S		30° 13' 00" S 30° 48' 00" E	
Durban, near (see also: Port Natal, near)	ca.	29° 52' 00" S 31° 00' 00" E	
Durban, probably		29° 50' 00" S 31° 00' 00" E	
Durbanville		33° 50' 00" S 18° 39' 00" E	174 m
Duwelskloof (see Duiwelskloof)		23° 42' 00" S 30° 08' 00" E	
Dwarskersbos, 11 km N, 9 km W (see Rocher Pan Nature Reserve)		32° 37' 00" S 18° 22' 00" E	20 m
Dwarskersbos, 9.1 km N, 6.6 km E (see Rocherpan Nature Reserve)		32° 36' 00" S 18° 19' 00" E	20 m
Dwesa Forests (see Dwessa Forest Reserve)		32° 18' 13" S 28° 49' 43" E	11 m
Dwesa Nature Reserve (see Dwessa Forest Reserve)		32° 18' 13" S 28° 49' 43" E	11 m
Dwessa Forest Reserve (see also: Dwesa Forests, Dwesa Nature Reserve)		32° 18' 13" S 28° 49' 43" E	11 m

Dysselsdorp, 8 km SE (see Kammannassie M.C.A [Camp 2])	33° 36' 00" S 22° 33' 00" E	
Dzundwini, E Punda Milia (see also: Dzunweni Hill, Dzunwini)	22° 46' 00" S 31° 10' 00" E	
Dzunweni Hill (see Dzundwini), E Punda Milia	22° 46' 00" S 31° 10' 00" E	
Dzunwini (see Dzundwini), E Punda Milia	22° 46' 00" S 31° 10' 00" E	
Eagles Nest Farm, Soutpansberg	22° 58' 26" S 29° 55' 59" E	1277 m
East London (see also: Oos-Londen)	33° 00' 00" S 27° 55' 00" E	20 m
Eastern Cape province		
Eastern Shores (see Eastern Shores State Forest)	28° 11' 00" S 32° 29' 00" E	
Eastern Shores Nature Reserve (see Eastern Shores State Forest)	28° 11' 00" S 32° 29' 00" E	
Eastern Shores State Forest (see also: Eastern Shores, Eastern Shores Nature Reserve, Greater St. Lucia Wetland Park)	28° 11' 00" S 32° 29' 00" E	
Ebb-And-Flow (see also: Wildernis, 1 km N, 3 km E)	33° 59' 00" S 22° 36' 00" E	30 m
Echo caves (see Farm Klipfontein 407)	24° 33' 28" S 30° 36' 28" E	
Eden district		
Edenburg, Roodepoort [105]	29° 44' 00" S 25° 56' 00" E	1375 m
Edenville	27° 33' 00" S 27° 41' 00" E	1500 m
Edenville, 6 mi [=9.7 km] W (see Waaghoek [Farmstead])	27° 33' 00" S 27° 35' 00" E	1500 m
Eenheid, Farm (see Farm Eenheid)	32° 34' 03" S 18° 40' 44" E	30 m
eGodeni	28° 05' 00" S 32° 02' 01" E	
Ehlanzeli district		
Ekurhuleni district		
EKZN Wildlife Headquarters	29° 33' 59" S 30° 19' 15" E	
Elandsbaai, 1.2 km S, 0.2 km E (see Rhebok Plaat Berg)	32° 19' 19" S 18° 20' 29" E	60 m
Elandsbaai, 28.4 km S, 31.7 km E (see Farm Eenheid)	32° 34' 03" S 18° 40' 44" E	30 m
Elandsbaai, 9.9 km S, 12.3 km E (see Farm Groote Drift)	32° 24' 00" S 18° 28' 23" E	10 m
Elandsberg, Farm 198 (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Elandsfontein Phosphate mine (see also: Hopefield mine)	33° 05' 46" S 18° 11' 59" E	
Elandsfontein, Farm 435KT (see Bourke's Luck)	24° 39' 00" S 30° 49' 00" E	
Elandsklip, P.K. Santa, Belfast	25° 20' 00" S 30° 10' 00" E	
Eldorado, Farm 66 (see Bultfontein), Bultfontein	28° 56' 00" S 25° 57' 00" E	
eLegogoto, mountain, Nelspruit (see also: Legogoto, Logogoto, Logogotu, Lugogodo, Mount eLegogoto)	25° 14' 00" S 31° 05' 00" E	
Elephants camp, 12 km E (see Bangu gorge caves)	24° 07' 00" S 31° 52' 00" E	
Elim, Gazankulu (see also: Elim Hospital)	23° 09' 00" S 30° 04' 00" E	784 m
Elim Hospital (see Elim), Gazankulu	23° 09' 00" S 30° 04' 00" E	784 m
Elim, 17.5 km S, 5.7 km W (see Farm Ratelfontein)	34° 44' 50" S 19° 41' 45" E	30 m
Ellingham	30° 19' 00" S 30° 42' 00" E	
Elliot, Ben Becula	31° 20' 00" S 27° 51' 00" E	1430 m
Elliotdale (see also: Xhora)	31° 58' 00" S 28° 41' 00" E	534 m
Ellisras, 10 km NE (see Farm Tambotiekloof 601)	23° 54' 00" S 27° 41' 00" E	
Ellisras, 10 km NE (see Neiman's Farm)	23° 37' 59" S 27° 49' 01" E	
Ellisras, 11 km SE (see D'Nyala Provincial Nature Reserve)	23° 45' 00" S 27° 48' 00" E	
Ellisras, 128 km NW (see Farm Buren)	23° 37' 00" S 27° 52' 00" E	
Eloffshoek, Farm (see Farm Eloffshoek)	31° 53' 42" S 23° 36' 52" E	1100 m
Emfundisweni (see Mfundisweni)	30° 54' 00" S 29° 32' 00" E	900 m
Emfundusweni (see Mfundisweni)	30° 54' 00" S 29° 32' 00" E	900 m
Empangeni, 14 km NE (see Enseleni Nature Reserve)	28° 41' 22" S 32° 00' 12" E	
Empangeni, 17 km N, 15 km W (see Ntambanana [farmstead])	28° 36' 13" S 31° 44' 32" E	250 m
Empisini Nature Reserve, 1.5 km NWW Umkomaas (see also: Umkomaas, 1.5 km NWW)	30° 12' 00" S 30° 48' 00" E	19 m
Emseleni (see Mseleni)	27° 19' 00" S 32° 32' 00" E	76 m
Engcobo	31° 40' 00" S 27° 59' 00" E	900 m
Enkeldoornspoort, Farm 207 (see Farm Enkeldoornspoort 207), 16 km SE Rust de Winter	25° 18' 00" S 28° 40' 00" E	
Enseleni Nature Reserve, 14 km NE Empangeni (see also: Empangeni, 14 km NE)	28° 41' 22" S 32° 00' 12" E	
Entabeni State Forest, Soutpansberg, 30 km E Louis Trichardt	23° 02' 07" S 30° 11' 33" E	
Entumeni Nature Reserve	28° 53' 03" S 31° 22' 15" E	
Erasmus (see Bronkhorstspruit)	25° 48' 30" S 28° 44' 26" E	1375 m
Erfplaas windmill, 12 km E Phalaborwa gate	23° 57' 00" S 31° 07' 00" E	
Ermelo	26° 31' 00" S 29° 59' 00" E	1700 m
Escombe, Durban, Queensburgh	29° 52' 00" S 30° 54' 00" E	71 m
Eshowe	28° 53' 00" S 31° 28' 00" E	

Eshowe, 4 Leigh Road		28° 53' 29" S 31° 27' 56" E	526 m
Eshowe, 8 Residency Road		28° 53' 26" S 31° 27' 29" E	533 m
Eshowe, 20 mi [=32 km] NW (see Jususie valley)	ca.	28° 36' 00" S 31° 28' 00" E	
Esperanza Tunnel, Suzela (see also: Beneva Tunnel)		30° 20' 38" S 30° 37' 53" E	10 m
Estcourt		29° 00' 00" S 29° 53' 00" E	
Eston		29° 52' 14" S 30° 30' 24" E	688 m
Estuary Forest Reserve			
Esweni Camp (see Nwanedzi Camp)		24° 27' 00" S 31° 58' 00" E	
eThekwini district			
Eureka, Farm 674 (see Farm Eureka 674), Senekal		27° 58' 00" S 27° 35' 00" E	
Everdon (see also: Everton)		29° 27' 00" S 30° 15' 00" E	
Evergreen, Farm (see Farm Evergreen), Alldays		22° 41' 00" S 29° 09' 00" E	
Everton (see Everdon)		29° 27' 00" S 30° 15' 00" E	1276 m
Evongo (see Uvongo Beach)		30° 50' 00" S 30° 24' 00" E	0 m
Excelsior (see also: Dresden, Farm 366, Farm 366 (Dresden), Farm Dresden 366)		28° 56' 00" S 27° 04' 00" E	1453 m
Eye of Kuruman (see Die Oog)		27° 27' 00" S 23° 26' 00" E	1200 m
Ezelfontein		30° 27' 00" S 18° 17' 00" E	1150 m
Fairfield, Farm 306 (see Farm Fairfield 306), Rustenburg		24° 33' 00" S 27° 11' 00" E	
Fairview mine, Barberton		25° 43' 12" S 31° 06' 45" E	
False Bay Nature Reserve (see also: False Bay Park)		28° 01' 00" S 32° 21' 00" E	
False Bay Park (see False Bay Nature Reserve), St. Lucia		27° 55' 00" S 32° 22' 00" E	
Farm "Baden", 9.2 km N Montagu (see also: Baden, Farm, Montagu, 9.2 km N)		33° 42' 14" S 20° 07' 14" E	350 m
Farm 10 (Sheila) (see Farm Sheila 10), Leydsdorp		24° 03' 00" S 31° 09' 00" E	
Farm 10, Urk (see Farm Urk 10), 13 km W Vivo		23° 02' 00" S 29° 08' 00" E	854 m
Farm 103 (Al-te-ver) (see Farm Al-te-ver 103), 1 km SSE Maastroom		22° 46' 00" S 28° 28' 00" E	
Farm 1032 (Swq) (see Farm Swq 1032)		34° 23' 04" S 19° 48' 27" E	166 m
Farm 103IQ (Wonderfontein) (see Farm Wonderfontein 103IQ), Caltonville / Potchefstroom		26° 18' 00" S 27° 24' 00" E	
Farm 111KP (Kalkfontein) (see Madikwe Game Reserve)		24° 45' 58" S 26° 22' 16" E	
Farm 112JU (Tenbosch) (see Farm Tenbosch 112JU)		25° 22' 35" S 31° 55' 21" E	
Farm 114JT (Badfontein) (see Farm Badfontein 114JT), Kwena		25° 17' 30" S 30° 23' 16" E	
Farm 124 (Groot Suikerboschkop) (see Farm Groot Suikerboschkop 124), Dullstroom		25° 24' 36" S 30° 06' 00" E	
Farm 124 (Grootsuikerboschkop) (see Farm Groot Suikerboschkop 124), Dullstroom		25° 24' 36" S 30° 06' 00" E	
Farm 127 (Rolspruit) (see Farm Rolspruit 127), 7 km E Leslie		26° 24' 00" S 29° 00' 00" E	
Farm 140KT (Harmony) (see Farm Harmony 140KT)		24° 16' 22" S 30° 36' 50" E	
Farm 141 MS (River) (see Farm River 141 MS), Soutpansberg		22° 11' 57" S 29° 52' 43" E	
Farm 147JQ (Mooimeisjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen		25° 01' 00" S 27° 37' 00" E	
Farm 147JQ (Mooimysjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen		25° 01' 00" S 27° 37' 00" E	
Farm 147JQ (Mooiymysjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen		25° 01' 00" S 27° 37' 00" E	
Farm 149JQ (Buffelspoort) (see Farm Buffelspoort 149 JQ), 5 km NE Assen		25° 07' 00" S 27° 37' 00" E	
Farm 152 (Vrisgewaagd) (see Farm Vrisgewaagd 152)		33° 15' 47" S 21° 52' 57" E	600 m
Farm 153 (Augrabies Wes) (see Farm Oograbies West 153)		29° 12' 00" S 17° 05' 00" E	
Farm 153 (Oograbies West) (see Farm Oograbies West 153)		29° 12' 00" S 17° 05' 00" E	
Farm 154 (Scholtze Kloof) (see Farm Scholtze Kloof 154)		33° 15' 36" S 21° 59' 47" E	675 m
Farm 163 (Guano Caves) (see Farm Guano Caves 163)		33° 49' 58" S 20° 10' 28" E	420 m
Farm 164JT (In-de-Diepte) (see Farm In-de-Diepte 164JT)		25° 43' 00" S 30° 01' 00" E	
Farm 168JS (Blaauwbank) (see Farm Blaauwbank 168JS), Groblersdal, E		25° 19' 00" S 29° 47' 00" E	
Farm 173IQ (Sterkfontein) (see Sterkfontein, Farm 173IQ)		26° 01' 43" S 27° 42' 37" E	
Farm 175JU (Thankerton) (see Farm Thankerton 175JU)		25° 26' 21" S 31° 39' 27" E	
Farm 1785 (Schaapplaas) (see Farm Schaapplaas 1785), Clarens	ca.	28° 37' 00" S 28° 22' 00" E	
Farm 184 (Olyvekloof) (see Farm Olyvekloof 184)		31° 07' 00" S 26° 52' 00" E	
Farm 18IT (Victoriaspoort) (see Farm Victoriaspoort 18IT)		26° 02' 00" S 30° 19' 00" E	
Farm 193 (Korfshoek) (see Farm Korfshoek 193), Harrismith		28° 30' 00" S 28° 46' 00" E	

Farm 195KU (Fleur de Lys) (see Farm Fleur de Lys 195KU)	24° 32' 00" S 31° 01' 00" E	
Farm 196 (Langverwaght) (see Vrede), Vrede	27° 25' 00" S 29° 10' 00" E	1668 m
Farm 198 (Elandsberg) (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Farm 202 (Liverpool) (see Farm Liverpool 202)		
Farm 204 (Ratsegaai) (see Farm Ratsegaai 204), 13 km W Ventersdorp	26° 22' 00" S 26° 44' 00" E	
Farm 207 (Enkeldoornspoort) (see Farm Enkeldoornspoort 207), 16 km SE Rust de Winter	25° 18' 00" S 28° 40' 00" E	
Farm 210 (Butata) (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Farm 217JT (Klipgat) (see Farm Klipgat 217JT)	25° 11' 00" S 30° 43' 00" E	
Farm 218 (Driehoek) (see Farm Driehoek 218), Luckhoff	29° 38' 00" S 24° 52' 00" E	
Farm 221JR (Leeudraai) (see Farm Leeudraai 221JR)	25° 22' 15" S 28° 33' 58" E	
Farm 223KT (Perkeo) (see Farm Perkeo 223KT)	24° 28' 00" S 30° 36' 00" E	
Farm 227 (Uitvlugt) (see Farm Uitvlugt 227), Vrede	27° 27' 00" S 29° 23' 00" E	
Farm 228 (Buckholt) (see Farm Buckholt 228)	31° 02' 15" S 27° 21' 08" E	1680 m
Farm 23 (Goodhouse) (see Farm Goodhouse 23), Goodhouse	28° 54' 00" S 18° 15' 00" E	210 m
Farm 230 (Wagondrift) (see Farm Wagondrift 230), 16 km SSE Lamberts Bay	32° 13' 00" S 18° 21' 00" E	
Farm 235 (Chester) (see Farm Chester 235), dam on Blyde River	24° 35' 00" S 30° 47' 00" E	
Farm 2369 (Wakefield) (ptn 13) (see Farm Wakefield 2369 (ptn 13))	29° 29' 13" S 29° 53' 53" E	
Farm 236JQ (Vygeboschlaagte) (see Farm Vygeboschlaagte 236JQ)	25° 19' 00" S 28° 01' 00" E	
Farm 23MT (Scrutton) (see Farm Scrutton 23MT), 32 km E Messina	22° 21' 00" S 30° 21' 00" E	1450 ft
Farm 242 (Othawo) (see Farm Othawo 242), 16 km N Newington	24° 45' 00" S 31° 26' 00" E	
Farm 245LS (Sarum) (see Farm Sarum 245LS), 16 km NW Louis Trichardt; Buzzard Mountain Retreat	23° 02' 00" S 29° 46' 00" E	
Farm 246 (Lilliput) (see Farm Lilliput 246), 16 km SW Messina	22° 28' 00" S 29° 56' 00" E	
Farm 246 (Zoutpansdrift) (see Farm Zoutpansdrift 246), Luckhoff	29° 43' 00" S 24° 23' 00" E	
Farm 261 (Kaalfontein) (see Farm Kaalfontein 261), 37 km NW Potgietersrus	24° 15' 00" S 28° 24' 00" E	
Farm 264JT (Uitkyk) (see Farm Uitkyk 264JT)	25° 18' 00" S 30° 30' 00" E	
Farm 271/2 (Brombeek) (see Farm Brombeek 271/2)	22° 32' 00" S 29° 27' 00" E	
Farm 271JT (Sudwalaskraal) (see Farm Sudwalaskraal 271JT)	25° 22' 00" S 30° 37' 00" E	
Farm 274 (Moscow) (see Farm Moscow 274), Heilbron	27° 17' 00" S 27° 58' 00" E	
Farm 276 (Dirleton) (see Farm Dirleton 276)	22° 32' 00" S 29° 21' 00" E	
Farm 284 (Olivewood) (see Farm Olivewood 284), 15 km WNW Hotazel	27° 12' 00" S 22° 48' 00" E	
Farm 287 (Clifford) (see Farm Clifford 287)	31° 04' 41" S 27° 26' 58" E	1780 m
Farm 291 (Aasvogelrand-Oost) (see Farm Aasvogelrand-Oost 291), Vredefort	26° 52' 00" S 27° 22' 00" E	
Farm 291 (Pinehurst) (see Farm Pinehurst 291), Ladybrand	29° 07' 30" S 27° 22' 30" E	
Farm 292 (Welgedaan) (see Farm Welgedaan 292), 5 km NNE Christiana	27° 42' 00" S 25° 13' 00" E	
Farm 306 (Fairfield) (see Farm Fairfield 306), Rustenburg	24° 33' 00" S 27° 11' 00" E	
Farm 308JQ (Baviaanskrans) (see Kgaswane Nature Reserve)	25° 43' 13" S 27° 11' 07" E	
Farm 320 (Leelykstraat) (see Farm Leelykstraat 320), 30 km NE Marydale	29° 11' 00" S 22° 18' 00" E	
Farm 320 (Lemoenboord) (see Farm Lemoenboord 320), Philippolis	30° 07' 30" S 24° 52' 30" E	
Farm 326 (Vygeboom) (see Farm Vygeboom 326)	33° 16' 08" S 25° 40' 31" E	750 m
Farm 327JQ (Commissiesdrift) (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	25° 48' 00" S 27° 14' 00" E	
Farm 328 (Olifantspoort) (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg	25° 50' 00" S 27° 15' 00" E	
Farm 330 (Baviaanspoort) (see Farm Baviaanspoort 330), Pretoria, 19 km NE	25° 40' 48" S 28° 21' 36" E	
Farm 33JT (Sterkspruit) (see Farm Sterkspruit 33JT), Lydenberg	25° 06' 50" S 30° 28' 50" E	1450 m
Farm 343 (Nicorel) (see Farm Nicorel 343), 18 km N Steilloop(burg)	23° 15' 36" S 28° 36' 36" E	
Farm 347 (Letsoana Stad) (see Farm Letsoana Stad 347), Fouriesburg	28° 37' 00" S 28° 13' 00" E	1801 m

Farm 347, Letsoana Stad (see Farm Letsoana Stad 347), Fouriesburg	28° 37' 00" S 28° 13' 00" E	1801 m
Farm 354 (Tygerkloof) (see Farm Tygerkloof 354), 24 km SW Thabazimbi	24° 41' 40" S 27° 12' 33" E	
Farm 354 (Tygerskloof) (see Farm Tygerkloof 354), 24 km SW Thabazimbi	24° 41' 40" S 27° 12' 33" E	
Farm 355 (Mooiplaas) (see Farm Hennopsriver 489), Pretoria	25° 50' 00" S 27° 58' 00" E	
Farm 35KT (Haffenden Heights) (see Farm Haffenden Heights 35KT)	24° 07' 00" S 30° 10' 00" E	
Farm 360JS (Skoongesig) (see Farm Skoongesig 360JS), Languitsig	25° 37' 00" S 29° 52' 00" E	
Farm 366 (Dresden) (see Excelsior)	28° 56' 00" S 27° 04' 00" E	1453 m
Farm 376 (Duiwelskloof) (see Farm Duiwelskloof 376), Tzaneen	23° 42' 00" S 30° 08' 00" E	
Farm 376 (Mokeetsi) (see Farm Duiwelskloof 376), Tzaneen	23° 42' 00" S 30° 08' 00" E	
Farm 376 (Nakaetsi) (see Farm Nakaetsi 376), Tzaneen district, Zoutpansberg	23° 40' 00" S 30° 05' 00" E	
Farm 378 (De Poort) (see Ventersburg)	28° 05' 00" S 27° 08' 00" E	1425 m
Farm 37MS (Greefswald) (see Farm Greefswald 37MS), 67 km W Messina; Shashi-Limpopo confluence	22° 12' 00" S 29° 23' 00" E	
Farm 386 (Roodepoort) (see Farm Roodepoort 386), 15 km E Standerton	26° 54' 00" S 29° 22' 00" E	
Farm 39 (Makapansgat) (see Farm Makapansgat 39), 16 km NE Potgietersrus	24° 09' 00" S 29° 11' 00" E	1604 m
Farm 392 (Kranskop) (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Farm 396 (Non Pareil) (see Warden), Warden	27° 51' 00" S 28° 58' 00" E	1643 m
Farm 398 (Spitskop) (see Farm Spitskop 398), Fauresmith	29° 30' 00" S 25° 59' 00" E	
Farm 404 (Rietfontein) (see Farm Rietfontein 404), 7 km N Sasolburg	26° 46' 00" S 27° 43' 30" E	
Farm 404 (Tweepoort) (see Farm Tweepoort 404), 2 km NE Amsterdam	26° 36' 00" S 30° 43' 00" E	
Farm 405 (Hexrivier) (see Farm Hexrivier 405)	29° 39' 00" S 26° 10' 00" E	
Farm 407 (Klipfontein) (see Farm Klipfontein 407), 19 km SSE Ohhrigstad	24° 33' 28" S 30° 36' 28" E	
Farm 409 SU (Ingwenya) (see Farm Ingwenya 409SU)	27° 20' 00" S 31° 57' 43" E	185 m
Farm 412KT (Sterkspruit) (see Farm Sterkspruit 412KT), Mogaba	24° 37' 00" S 30° 37' 00" E	
Farm 415 (Lemoenhoek) (see Farm Lemoenhoek 415), Ladybrand	29° 22' 30" S 27° 07' 30" E	
Farm 419 (Witpoort) (see Farm Witpoort 419), 24 km E Potchefstroom	26° 39' 00" S 27° 20' 00" E	
Farm 435KT (Elandsfontein) (see Bourke's Luck)	24° 39' 00" S 30° 49' 00" E	
Farm 436KT (Wakkersdal) (see Farm Wakkersdal 436KT)	24° 37' 00" S 30° 43' 00" E	
Farm 446JT (Berlin) (see Berlin, Farm 446JT)	25° 30' 48" S 30° 46' 29" E	
Farm 446KQ (Buffelshoek), Thabazimbi, 16 mi [=26 km] SE	24° 40' 00" S 27° 21' 00" E	
Farm 447JR (Zusterstroom) (see Farm Zusterstroom 447JR)	25° 35' 00" S 29° 00' 00" E	
Farm 448 (Donkerpoort) (see Gatkop cave), 24 km E Thabazimbi, Rooiberg	24° 37' 05" S 27° 39' 08" E	
Farm 448 (Schurwepoort) (see Farm Schurwepoort 448), Koppies	27° 25' 00" S 27° 35' 00" E	
Farm 449 (Welgevonden) (see Farm Welgevonden 449), 16 km W Steilloop(burg)	23° 32' 00" S 28° 26' 00" E	
Farm 449KQ (see Gatkop cave)	24° 37' 05" S 27° 39' 08" E	
Farm 454 (Bourkes Luck) (see Farm Bourkes Luck 454)	24° 39' 00" S 30° 49' 00" E	
Farm 454 (Mimosa) (see Farm Mimosa 454), 25 km ENE Postmasburg	28° 11' 00" S 23° 19' 00" E	
Farm 455KQ (Randstephne) (see Farm Randstephne 455KQ)	24° 36' 58" S 27° 39' 31" E	993 m
Farm 465 (Parsons Rust) (see Farm Parsons Rust 465), Vredefort	26° 53' 00" S 27° 19' 00" E	
Farm 472 (Schulp Fontein), 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	30° 05' 00" S 17° 11' 30" E	
Farm 472 (Schulpfontien), 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	30° 05' 00" S 17° 11' 30" E	
Farm 473 JQ (Hartebees) (see Farm Fourwinds)	25° 49' 48" S 27° 40' 12" E	
Farm 489 (Hennops River) (see Farm Hennops River 489), Pretoria	25° 51' 00" S 27° 58' 00" E	
Farm 489 (Hennopsriver) (see Farm Hennopsriver 489), Pretoria	25° 50' 00" S 27° 58' 00" E	
Farm 489 (Hennopsrivier) (see Farm Hennops River 489), Pretoria	25° 51' 00" S 27° 58' 00" E	

Farm 495JR (Sterkfontein) (see Telperion Nature Reserve)		25° 42' 41" S 29° 01' 03" E	
Farm 499 (Uitkomst) (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
Farm 506 (La Rochelle) (see Smithfield), Smithfield		30° 13' 00" S 26° 32' 00" E	
Farm 508 (Nooitgedacht) (see Farm Nooitgedacht 508), 14 km SSE Potchefstroom		26° 55' 12" S 27° 10' 12" E	
Farm 517 KQ (Vellefontein) (see Farm Vellefontein 517 KQ)		24° 49' 26" S 27° 47' 07" E	
Farm 519 (Witklipfontein) (see Farm Witklipfontein 519), Vredefort		26° 56' 00" S 27° 15' 00" E	
Farm 536KQ (Rietfontein) (see Farm Rietfontein 536KQ)		24° 54' 30" S 27° 44' 36" E	
Farm 538 (Rooikrans) (see Farm Rooikrans 538), Thabazimbi		24° 53' 00" S 27° 39' 00" E	
Farm 538 (Rooikranz) (see Farm Rooikrans 538), Thabazimbi		24° 53' 00" S 27° 39' 00" E	
Farm 53JT (De Kafferskraal) (see Farm De Kafferskraal 53JT)		25° 10' 57" S 30° 08' 52" E	
Farm 544JT (Onverwacht) (see Farm Onverwacht 544JT), Sjonajona		25° 45' 38" S 30° 42' 05" E	
Farm 54JS (Klipfontein) (see Farm Klipfontein 54JS), 30 km NE Vaalwater; Waterberg		24° 08' 00" S 28° 08' 00" E	
Farm 55JT (Kraaibosch) (see Farm Kraaibosch 55JT)		25° 10' 13" S 30° 12' 07" E	1784 m
Farm 574 (Doorn Fontein) (see Farm Doorn Fontein 574)		33° 23' 40" S 18° 19' 36" E	105 m
Farm 576 (Drie Papen Fontein) (see Farm Drie Papen Fontein 576)		33° 24' 21" S 18° 22' 56" E	290 m
Farm 576 (Merrimietzie) (see Winburg)		28° 32' 00" S 27° 01' 00" E	1494 m
Farm 590 (Van Soelenshoek) (see Winburg)		28° 32' 00" S 27° 01' 00" E	1494 m
Farm 59JQ (Rhenosterspruit) (see Farm Rhenosterspruit 59JQ)		25° 22' 30" S 27° 07' 30" E	
Farm 6 (Secheili's Oude Stad) (see Farm Secheili's Oude Stad 6), Zeerust		24° 53' 00" S 25° 58' 00" E	
Farm 60 (Graspan) (see Farm Graspan 60), Kroonstad		27° 48' 00" S 26° 58' 00" E	
Farm 601 (Tambotiekloof) (see Farm Tambotiekloof 601), 10 km NE Ellisras		23° 54' 00" S 27° 41' 00" E	
Farm 603 KQ (Hartbeesfontein) (see Farm Hartbeesfontein 603 KQ)		24° 47' 04" S 27° 45' 49" E	1182 m
Farm 607 (Klipbanksfontein) (see Farm Klipbanksfontein 607), Postmasburg	ca.	28° 18' 00" S 23° 05' 00" E	
Farm 608 (New Belgium) (see Farm New Belgium 608), 65 km N Vaalwater		23° 53' 00" S 28° 08' 00" E	
Farm 61MS (Luna) [=V.L.N.R.] (see Farm Luna 61MS [=V.L.N.R.]), 32 km NE Alldays		22° 22' 00" S 29° 21' 00" E	
Farm 630 (Uitzicht) (see Farm Uitzicht 630), Harrismith		28° 04' 00" S 28° 27' 00" E	
Farm 647 (Leeuwspoor) (see Farm Leeuwspoor 647), S of Gollela; on Pongola river, Pongola road		27° 24' 00" S 31° 54' 00" E	
Farm 66 (Eldorado) (see Bultfontein), Bultfontein		28° 56' 00" S 25° 57' 00" E	
Farm 667 (Nova) (see Farm Nova 667), Ladybrand		29° 07' 30" S 27° 22' 30" E	
Farm 674 (Eureka) (see Farm Eureka 674), Senekal		27° 58' 00" S 27° 35' 00" E	
Farm 67JT (Klipsteen) (see Farm Klipsteen 67JT)		25° 13' 25" S 30° 18' 12" E	
Farm 68 (Regina) [=V.L.N.R.] (see Farm Regina 68 [=V.L.N.R.]), 32 km NE Alldays		22° 22' 48" S 29° 16' 12" E	
Farm 68 (Cyprus) (see Farm Cyprus 68), 13 km SW Ofcolaco		24° 11' 00" S 30° 17' 00" E	
Farm 686 (Florisbad) (see Farm Florisbad 686), Brandfort		28° 46' 00" S 26° 05' 00" E	
Farm 71 (Keikamspoort) (see Farm Keikamspoort 71), 20 km SE Prieska		29° 53' 00" S 22° 52' 00" E	
Farm 729 (Peperhoek) (see Farm Peperhoek 729), Fauresmith		29° 37' 30" S 24° 22' 30" E	
Farm 743 (Faust) (see Farm Faust 743), Ficksburg		28° 46' 00" S 27° 47' 00" E	
Farm 747 (Waterval) (see Farm Waterval 747), Harrismith [Warden]		27° 52' 30" S 29° 07' 30" E	
Farm 750 (Middelwater) (see Farm Middelwater 750), Hoopstad		27° 44' 00" S 25° 26' 00" E	
Farm 780 (Helena) (see Farm Helena 780), Vredefort		26° 53' 00" S 27° 23' 00" E	
Farm 794 (Zwarthoek) (see Farm Zwarthoek 794), Mansfield		22° 58' 00" S 29° 52' 00" E	
Farm 80JS (Vergelegen) (see Farm Vergelegen 80JS)		25° 26' 00" S 29° 23' 00" E	
Farm 81 (Leeuwenfontein) (see Farm Leeuwenfontein 81)		31° 15' 21" S 25° 34' 25" E	1510 m
Farm 83 (Mooigenoeg) (see Farm Mooigenoeg 83), 8 km S Derdepoort		24° 40' 00" S 26° 20' 00" E	
Farm 87 (Tangala) (see Farm Tangala 87), NW Orpen Gate		24° 28' 00" S 31° 12' 00" E	
Farm 9 (Rhoda) (see Farm Rhoda 9), 13 km S Phalaborwa		24° 03' 00" S 31° 06' 00" E	

Farm 92 (Zuurfontein) (see Farm Zuurfontein 92), Fauresmith	29° 55' 00" S 25° 24' 00" E	
Farm 930 (Schaapplaats) (see Farm Schaapplaats 930)	27° 55' 42" S 28° 58' 21" E	
Farm 94 (Mooiplaas) (see Farm Mooiplaas 94), 18 km SSE Derdepoort	24° 45' 00" S 26° 25' 00" E	
Farm 96 (Rykvoorby) (see Farm Rykvoorby 96), 9 km N Zeerust	25° 29' 00" S 26° 04' 00" E	
Farm 969 (Welgevonden) (see Farm Welgevonden 969)	29° 19' 55" S 30° 16' 39" E	
Farm 97 (Koele) (see Thaba Nchu)	29° 13' 00" S 26° 50' 00" E	1531 m
Farm 99 (Groothoek) (see Farm Groothoek 99), 25 km ESE Potgietersrus	24° 21' 00" S 29° 07' 48" E	
Farm A80 (Mouton's Valley) (see Farm Mouton's Valley A80)	32° 46' 11" S 18° 43' 08" E	545 m
Farm Aasvogelrand-Oost 291, Vredefort (see also: Aasvogelrand-Oost, Farm 291, Farm 291 (Aasvogelrand-Oost))	26° 52' 00" S 27° 22' 00" E	
Farm Alexanderskraal, 40.2 km S, 31.8 km W Murraysburg (see also: Alexanderskraal, Farm, Murraysburg, 40.2 km S, 31.8 km W)	32° 18' 35" S 23° 25' 00" E	3000 ft
Farm Allemans Drift, Philippolis (see also: Allemans Drift, Farm, Allemansdrift, Farm, Farm Allemansdrift)	30° 32' 00" S 25° 20' 00" E	
Farm Allemansdrift (see Farm Allemans Drift), Philippolis	30° 32' 00" S 25° 20' 00" E	
Farm Alma (see also: Alma, Farm)	29° 40' 00" S 25° 06' 00" E	
Farm Al-te-ver 103, 1 km SSE Maastroom (see also: Al-te-ver, Farm 103, Farm 103 (Al-te-ver), Maasstroom, 1 km SSE)	22° 46' 00" S 28° 28' 00" E	
Farm Ashburton (see Ashburton, Farm), Pietermaritzburg	29° 38' 00" S 30° 28' 00" E	760 m
Farm Atherstone (see also: Atherstone, Farm)	33° 19' 00" S 26° 22' 00" E	600 m
Farm Augrabies Wes 153 (see Farm Oograbies West 153)	29° 12' 00" S 17° 05' 00" E	
Farm Badfontein 114JT, Kwena (see also: Badfontein, Farm 114JT, Farm 114JT (Badfontein), Kwena)	25° 17' 30" S 30° 23' 16" E	
Farm Baviaanskrans 308JQ (see Kgaswane Nature Reserve)	25° 43' 13" S 27° 11' 07" E	
Farm Baviaanspoort 330, Pretoria, 19 km NE (see also: Baviaanspoort, Farm 330, Farm 330 (Baviaanspoort), Pretoria, 19 km NE)	25° 40' 48" S 28° 21' 36" E	
Farm Berg Plants, W Soutpansberg (see also: Berg Plants Farm)	23° 02' 54" S 29° 26' 48" E	
Farm Berlin 446JT (see Berlin, Farm 446JT)	25° 30' 48" S 30° 46' 29" E	
Farm Blaauwbank 168JS, Groblersdal, E (see also: Blaauwbank, Farm 168JS, Farm 168JS (Blaauwbank))	25° 19' 00" S 29° 47' 00" E	
Farm Boekenhoutskloof, Cullinan (see also: Boekenhoutskloof, Farm, Farm Okhotso Boekenhoutskloof, Ohkotso Boekenhoutskloof, Farm)	25° 31' 00" S 28° 25' 00" E	
Farm Bokveld, 20 km E Messina, on Limpopo River (see also: Bokveld, Farm, Messina, 20 km E)	22° 19' 00" S 30° 11' 00" E	
Farm Bolts, Krugersdorp (see also: Bolts, Farm)	26° 02' 05" S 27° 42' 48" E	
Farm Bordeaux, 5 mi E Waterpoort (see also: Bordeaux, Farm, Waterpoort, 5 mi [=8 km] E)	22° 41' 00" S 29° 38' 00" E	
Farm Bourkes Luck 454 (see also: Bourkes Luck Potholes, Bourkes Luck, Farm 454, Farm 454 (Bourkes Luck))	24° 39' 00" S 30° 49' 00" E	
Farm Brakfontein, 12 mi [=19 km] N Willowmore (see also: Brakfontein, Farm, Willowmore,12 mi [=19 km] N)	33° 08' 00" S 23° 25' 00" E	
Farm Brakfontein, 25 km NNE Griekwastad; 24.5 km NE Hay (see also: Brakfontein, Farm, Griekwastad, 25 km NNE, Hay, 24.5 km NE)	28° 40' 00" S 23° 22' 00" E	
Farm Brombeek 271/2 (see also: Brombeek, Farm 271/2, Farm 271/2 (Brombeek))	22° 32' 00" S 29° 27' 00" E	
Farm Buckholt 228, 7.9 km S, 23.4 km W Barkly East (see also: Barkly East, 7.9 km S, 23.4 km W, Buckholt, Farm 228, Farm 228 (Buckholt))	31° 02' 15" S 27° 21' 08" E	1680 m

Farm Buffel Rivier Poort, 2.5 km N, 26.0 km W Ladismith (see also: Buffel Rivier Poort, Farm, Ladismith, 2.5 km N, 26.0 km W)	33° 27' 56" S 20° 59' 00" E	420 m
Farm Buffelshoek 446KQ, Thabazimbi, 16 mi [=26 km] SE (see also: Thabazimbi, 16 mi [=26 km] SE)	24° 40' 00" S 27° 21' 00" E	
Farm Buffelspoort 149 JQ, 5 km NE Assen (see also: Assen, 5 km NE, Buffelspoort, Farm 149JQ, Farm 149JQ (Buffelspoort))	25° 07' 00" S 27° 37' 00" E	
Farm Buitenhoop (see also: Buitenhoop, Farm)	28° 06' 00" S 25° 13' 00" E	
Farm Buren, 128 km NW Ellisras (see also: Buren, Farm, Ellisras, 128 km NW)	23° 37' 00" S 27° 52' 00" E	
Farm Butata 210 (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Farm Chester 235, dam on Blyde River (see also: Chester, Farm 235, Farm 235 (Chester))	24° 35' 00" S 30° 47' 00" E	
Farm Clearwater (see also: Clearwater, Farm)	31° 16' 00" S 30° 01' 00" E	
Farm Clifford 287, 12.3 km S, 14.1 km W Barkly East (see also: Barkly East, 12.3 km S, 14.1 km W, Clifford, Farm 287, Farm 287 (Clifford))	31° 04' 41" S 27° 26' 58" E	1780 m
Farm Cnydas, 12 km NW Lutzput (see also: Cnydas, Farm, Farm Nydas, Lutzput, 12 km NW, Nydas, Farm)	28° 22' 00" S 20° 34' 00" E	
Farm Commissiesdrift 327JQ, 10 mi [=16 km] SW Rustenberg (see also: Commisiedrift, Farm 327JQ, Commissiedrift, Farm 327JQ, Commissiesdrift, Farm 327JQ, Commissionsdrift, Farm 327JQ, Farm 327JQ (Commissiesdrift), Farm Commissionsdrift 327JQ, Kommissiedrift, Farm 327JQ, Rustenberg, 10 mi [=16 km] SW)	25° 48' 00" S 27° 14' 00" E	
Farm Commissionsdrift 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	25° 48' 00" S 27° 14' 00" E	
Farm Compagniesdrift (see Compagnies Drif)	32° 07' 00" S 18° 27' 00" E	100 m
Farm Cyprus 68, 13 km SW Ofcolaco (see also: Cyprus, Farm 68, Farm 68 (Cyprus), Ofcolaco, 13 km SW)	24° 11' 00" S 30° 17' 00" E	
Farm De Kafferskraal 53JT (see also: De Kafferskraal, Farm 53JT, Farm 53JT (De Kafferskraal))	25° 10' 57" S 30° 08' 52" E	
Farm De Poort 378 (see Ventersburg)	28° 05' 00" S 27° 08' 00" E	1425 m
Farm De Vrede, 27 mi [=43 km] W Graaff Reinet (see also: De Vrede, Farm, Farm Vrede, Graaff Reinet, 27 mi [=43 km] W, Vrede, Farm)	32° 13' 03" S 24° 12' 26" E	
Farm Deelfontein (see also: Deelfontein, Farm)	31° 02' 00" S 23° 46' 00" E	4460 ft
Farm Dirleton 276 (see also: Dirleton, Farm 276, Farm 276 (Dirleton))	22° 32' 00" S 29° 21' 00" E	
Farm Dirleton 276 and Farm Brombeek 271/2, between, Vaalwater; Waterberg	22° 32' 00" S 29° 25' 00" E	
Farm Donkerpoort 448, 24 km E Thabazimbi, Rooiberg	24° 34' 48" S 27° 39' 36" E	
Farm Doorn Fontein 574, 2.0 km S, 5.1 km W Darling (see also: Darling, 2.0 km S, 5.1 km W, Doorn Fontein, Farm 574, Farm 574 (Doorn Fontein))	33° 23' 40" S 18° 19' 36" E	105 m
Farm Doornbosch, 14.5 km S, 38.5 km E Murraysburg (see also: Doornbosch, Farm, Murraysburg, 14.5 km S, 38.5 km E)	32° 02' 42" S 24° 04' 46" E	1500 m
Farm Doornhoek, Pietermaritzburg (see also: Doornhoek, Farm)	29° 36' 00" S 30° 31' 00" E	
Farm Doornkraal (see Doornkraal campsite)	27° 30' 27" S 31° 12' 25" E	
Farm Doornpan	27° 34' 12" S 31° 14' 05" E	
Farm Dordrecht, 20 km S Marken (see also: Dordrecht, Farm, Marken, 20 km S)	23° 50' 00" S 28° 22' 00" E	
Farm Dresden 366 (see Excelsior)	28° 56' 00" S 27° 04' 00" E	1453 m
Farm Drie Papen Fontein 576, 3.3 km S, 0.1 km E Darling (see also: Darling, 3.3 km S, 0.1 km E, Drie Papen Fontein, Farm 576, Farm 576 (Drie Papen Fontein))	33° 24' 21" S 18° 22' 56" E	290 m
Farm Driefontein, Vaalwater; Waterberg (see also: Driefontein, Farm)		
Farm Driehoek 218, Luckhoff (see also: Driehoek, Farm 218, Farm 218 (Driehoek))	29° 38' 00" S 24° 52' 00" E	

Farm Dubbelwater, 65 km N Vaalwater (see also: Dubbelwater, Farm)	23° 49' 00" S 28° 16' 00" E	
Farm Duiwelskloof 376, Tzaneen (see also: Duiwelskloof, Farm 376, Farm 376 (Duiwelskloof), Farm 376 (Mokeetsi), Farm Mokeetsi 376, Mokeetsi, Farm 376)	23° 42' 00" S 30° 08' 00" E	
Farm Eenheid, 28.4 km S, 31.7 km E Elandsbaai (see also: Eenheid, Farm, Elandsbaai, 28.4 km S, 31.7 km E)	32° 34' 03" S 18° 40' 44" E	30 m
Farm Elandsberg 198 (see Zastron), Zastron	30° 18' 00" S 27° 05' 00" E	1672 m
Farm Elandsfontein 435KT (see Bourke's Luck)	24° 39' 00" S 30° 49' 00" E	
Farm Eldorado 66 (see Bultfontein), Bultfontein	28° 56' 00" S 25° 57' 00" E	
Farm Eloffshoek, 7.5 km N, 14.1 km W Murraysburg (see also: Eloffshoek, Farm, Murraysburg, 7.5 km N, 14.1 km W)	31° 53' 42" S 23° 36' 52" E	1100 m
Farm Enkeldoornspoort 207, 16 km SE Rust de Winter (see also: Enkeldoornspoort, Farm 207, Farm 207 (Enkeldoornspoort), Rust de Winter, 16 km SE)	25° 18' 00" S 28° 40' 00" E	
Farm Eureka 674, Senekal (see also: Eureka, Farm 674, Farm 674 (Eureka))	27° 58' 00" S 27° 35' 00" E	
Farm Evergreen, Alldays (see also: Evergreen, Farm)	22° 41' 00" S 29° 09' 00" E	
Farm Fairfield 306, Rustenburg (see also: Fairfield, Farm 306, Farm 306 (Fairfield))	24° 33' 00" S 27° 11' 00" E	
Farm Faust 743, Ficksburg (see also: Farm 743 (Faust), Faust, Farm 743)	28° 46' 00" S 27° 47' 00" E	
Farm Ferndale (see also: Ferndale, Farm)	32° 04' 00" S 24° 21' 00" E	
Farm Ferndale, 8 km SE Groot Marico (see also: Ferndale, Farm, Groot Marico, 8 km SE, Marico, 15 km SE)	25° 38' 00" S 26° 24' 00" E	
Farm Fir Glen, near Atherstone Station (see also: Atherstone Station, near, Fir Glen, Farm)	33° 19' 20" S 26° 23' 21" E	900 m
Farm Fleur de Lys 195KU (see also: Farm 195KU (Fleur de Lys), Fleur de Lys, Farm 195KU)	24° 32' 00" S 31° 01' 00" E	
Farm Florisbad 686, Brandfort (see also: Farm 686 (Florisbad), Florisbad, Farm 686)	28° 46' 00" S 26° 05' 00" E	
Farm Fourwinds (see also: Farm 473 JQ (Hartebees), Farm Hartebeesfonein 473 JQ, Fourwinds, Farm, Hartebeesfontein, Farm 473 JQ, Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ)	25° 49' 48" S 27° 40' 12" E	
Farm Freredell, .7 km N, 30.5 km E Molteno (see also: Freredell, Farm, Molteno, 7.7 km N, 30.5 km E)	31° 19' 36" S 26° 40' 58" E	1870 m
Farm FrQ 2.9 (Goraas) (see Farm Goraas FrQ 2.9), 62 km W Carnarvon	31° 11' 00" S 21° 32' 00" E	
Farm Geelbek, Langebaan (see also: Geelbek Farm)	33° 12' 00" S 18° 08' 00" E	
Farm Geluk, Harrismith (see also: Geluk, Farm)	27° 52' 00" S 28° 52' 00" E	
Farm Gladysvale, 20 mi [=32 km] NNE Krugersdorp (see also: Gladysvale, Farm, Krugersdorp, 20 mi [=32 km] NNE)	25° 54' 00" S 27° 46' 00" E	1527 m
Farm Gleniffer, near Kei Road (see also: Gleniffer, Farm)	32° 42' 42" S 27° 34' 55" E	660 m
Farm Goedhoek (see Farm Goud Hoek), Babanango	28° 23' 00" S 31° 04' 00" E	
Farm Goodhope, near Haenertsburg (see also: Goodhope, Farm)	23° 57' 00" S 29° 54' 00" E	1500 m
Farm Goodhouse 23, Goodhouse (see also: Farm 23 (Goodhouse), Goodhouse, Farm 23)	28° 54' 00" S 18° 15' 00" E	210 m
Farm Goraas FrQ 2.9, 62 km W Carnarvon (see also: Carnarvon, 62 km W, Farm FrQ 2.9 (Goraas), Goraas, Farm FrQ 2.9)	31° 11' 00" S 21° 32' 00" E	
Farm Goud Hoek, Babanango (see also: Farm Goedhoek, Farm Goudhoek, Goedhoek, Farm, Goud Hoek, Farm, Goudhoek, Farm)	28° 16' 00" S 31° 00' 00" E	

Farm Goudhoek (see Farm Goud Hoek), Babanango	28° 23' 00" S 31° 04' 00" E	
Farm Gouna (see Farm Visagierus), Williston, SW (see also: Calvinia, 54 mi [=87 km] E, Williston, 18.2 km S, 38.7 km W)	31° 32' 16" S 29° 09' 00" E	3600 ft
Farm Graspan 60, Kroonstad (see also: Farm 60 (Graspan), Graspan, Farm 60)	27° 48' 00" S 26° 58' 00" E	
Farm Greefswald 37MS, 67 km W Messina; Shashi-Limpopo confluence (see also: Farm 37MS (Greefswald), Greefswald [=Mapungubwe], Greefswald, Farm 37MS, Mapungubwe, Messina, 67 km W, Messina, 75 km W)	22° 12' 00" S 29° 23' 00" E	
Farm Groedehoop, 11 km S, 11 km E Vryheid (see also: Groedehoop, Farm, Vryheid, 11 km S, 11 km E)	27° 52' 00" S 30° 55' 00" E	1050 m
Farm Groot Suikerboschkop 124, Dullstroom (see also: Farm 124 (Groot Suikerboschkop), Farm 124 (Grootsuikerboschkop), Farm Grootsuikerboschkop 124, Groot Suikerboschkop, Farm 124, Grootsuikerboschkop, Farm 124)	25° 24' 36" S 30° 06' 00" E	
Farm Groote Drift, 9.9 km S, 12.3 km Eelandsbaai (see also: Elandsbaai, 9.9 km S, 12.3 km E, Groote Drift, Farm, Piketburg)	32° 24' 00" S 18° 28' 23" E	10 m
Farm Grootfontein, 9 (or 19?) km SW Reivilo (see also: Grootfontein, Farm, Reivilo, 9 (or 19?) km SW)	27° 39' 00" S 24° 00' 00" E	
Farm Groothoek 99, 25 km ESE Potgietersrus (see also: Farm 99 (Groothoek), Groothoek, Farm 99, Potgietersrus, 25 km ESE)	24° 21' 00" S 29° 07' 48" E	
Farm Grootsuikerboschkop 124 (see Farm Groot Suikerboschkop 124), Dullstroom	25° 24' 36" S 30° 06' 00" E	
Farm Guano Caves 163, 5.2 km S, 5.0 km E Montagu (see also: Boesman Grotte, Bushmans Caves, Farm 163 (Guano Caves), Guano Caves, Farm 163, Montagu, 5.2 km S, 5.0 km E)	33° 49' 58" S 20° 10' 28" E	420 m
Farm Haffenden Heights 35KT (see also: Farm 35KT (Haffenden Heights), Haffenden Heights, Farm 35KT)	24° 07' 00" S 30° 00' 30" E	
Farm Harmony 140KT (see also: Farm 140KT (Harmony), Harmony, Farm 140KT)	24° 16' 22" S 30° 36' 50" E	
Farm Hartbeesfontein 603 KQ, 50 km SE Thabazimbi, Bela-Bela municipality (see also: Farm 603 KQ (Hartbeesfontein), Hartbeesfontein, Farm 603 KQ, Thabazimbi, 50 km SE)	24° 47' 04" S 27° 45' 49" E	1182 m
Farm Hartebeesfonein 473 JQ (see Farm Fourwinds)	25° 49' 48" S 27° 40' 12" E	
Farm Hartebeesthoek, 48 km SE Thabazimbi (see also: Hartebeesthoek, Farm, Thabazimbi, 48 km SE)	24° 47' 00" S 27° 45' 00" E	
Farm Hectorspruit, Barbeton (see also: Hectorspruit, Farm)	25° 26' 00" S 31° 40' 00" E	
Farm Hekpoort, Thambazimbi / Witwatersberg (see also: Hekpoort, Farm, Witwatersberg)	24° 44' 00" S 27° 37' 00" E	
Farm Helena 780, Vredefort (see also: Farm 780 (Helena), Helena, Farm 780)	26° 53' 00" S 27° 23' 00" E	
Farm Hennops River 489, Pretoria (see also: Farm 489 (Hennops River), Farm 489 (Hennopsrivier), Farm Hennopsrivier 489, Hennops River, Farm 489, Hennopsrivier, Farm 489)	25° 51' 00" S 27° 58' 00" E	
Farm Hennopsriver 489, Pretoria (see also: Farm 355 (Mooiplaas), Farm 489 (Hennopsriver), Farm Mooiplaas 355, Hennopsriver, Farm 489, Mooiplaas, Farm 355, Skurweberg cave)	25° 50' 00" S 27° 58' 00" E	
Farm Hennopsrivier 489 (see Farm Hennops River 489), Pretoria	25° 51' 00" S 27° 58' 00" E	
Farm Hermitage, Phalaborwa (see also: Hermitage Farm, Hermitagie camp)	24° 34' 00" S 31° 24' 00" E	
Farm Hexrivier 405 (see also: Farm 405 (Hexrivier), Hexrivier, Farm 405)	29° 39' 00" S 26° 10' 00" E	

Farm Hilda [=V.L.NR.], 32 km NE Alldays (see also: Alldays, 32 km NE, Hilda, Farm [=V.L.NR.])		22° 19' 00" S 29° 14' 00" E	
Farm In-de-Diepte 164JT (see also: Farm 164JT (In-de-Diepte), In-de-Diepte, Farm 164JT)		25° 43' 00" S 30° 01' 00" E	
Farm Ingwenya 409SU (see also: Farm 409 SU (Ingwenya), Ingwenya, Farm 409SU)		27° 20' 00" S 31° 57' 43" E	185 m
Farm Inverary (see also: Inverary)			
Farm Kaalfontein 261, 37 km NW Potgietersrus (see also: Farm 261 (Kaalfontein), Kaalfontein, Farm 261)		24° 15' 00" S 28° 24' 00" E	
Farm Kaffraria (see Kaffraria, Farm)		27° 48' 00" S 25° 07' 00" E	
Farm Kalkfontein 111KP (see Madikwe Game Reserve)		24° 45' 58" S 26° 22' 16" E	
Farm Kareepoort, Philippolis (see also: Kareepoort, Farm)		30° 15' 00" S 25° 04' 00" E	
Farm Katrina (see also: Katrina, Farm)		27° 39' 00" S 25° 36' 00" E	
Farm Keikamspoort 71, 20 km SE Prieska (see also: Farm 71 (Keikamspoort), Keikamspoort, Farm 71, Prieska, 20 km SE)		29° 53' 00" S 22° 52' 00" E	
Farm Kersbos, 10 km NNE Bitterfontein (see also: Bitterfontein, 10 km NNE, Kersbos, Farm)		30° 57' 00" S 18° 12' 00" E	
Farm Kersefontein, 16 km N Hopefield (see also: Berg River, Hopefield, 16 km N, Kersefontein, Farm)		32° 54' 13" S 18° 19' 51" E	
Farm Kleinpoort (Bd), 7.2 km S, 5.7 km W Committees Drift (see also: Committees Drift, 7.2 km S, 5.7 km W, Kleinpoort, Farm)		33° 13' 20" S 26° 46' 16" E	200 m
Farm Kleintuinfontein, 10.8 km S, 10.7 km E Petrusville (see also: Kleintuinfontein, Farm, Petrusville, 10.8 km S, 10.7 km E)		30° 10' 42" S 24° 46' 13" E	3900 ft
Farm Klipbanksfontein 607, Postmasburg (see also: Farm 607 (Klipbanksfontein), Klipbanksfontein, Farm 607)	ca.	28° 18' 00" S 23° 05' 00" E	
Farm Klipfontein 407, 19 km SSE Ohhrigstad (see also: Echo caves, Farm 407 (Klipfontein), Klipfontein, Farm 407, Ohhrigstad, 19 km SSE)		24° 33' 28" S 30° 36' 28" E	
Farm Klipfontein 54JS, 30 km NE Vaalwater; Waterberg (see also: Farm 54JS (Klipfontein), Klipfontein, Farm 54JS, Vaalwater, 30 km NE)		24° 08' 00" S 28° 08' 00" E	
Farm Klipgat 217JT (see also: Farm 217JT (Klipgat), Klipgat, Farm 217JT)		25° 11' 00" S 30° 43' 00" E	
Farm Klipsteen 67JT (see also: Farm 67JT (Klipsteen), Klipsteen, Farm 67JT)		25° 13' 25" S 30° 18' 12" E	
Farm Koedoeskloof, 45.2 km S, 28.6 km W Murraysburg (see also: Koedoeskloof, Farm, Murraysburg, 45.2 km S, 28.6 km W)		32° 21' 23" S 23° 27' 04" E	884 m
Farm Koegelbeen, 21 km NE Griekwastad (see also: Koegelbeen, Farm)		28° 40' 00" S 23° 21' 00" E	
Farm Koele 97 (see Thaba Nchu)		29° 13' 00" S 26° 50' 00" E	1531 m
Farm Korfshoek 193, Harrismith (see also: Farm 193 (Korfshoek), Korfshoek, Farm 193)		28° 30' 00" S 28° 46' 00" E	
Farm Kraaibosch 55JT, Lydenberg (see also: Farm 55JT (Kraaibosch), Kraaibosch, Farm 55JT)		25° 10' 13" S 30° 12' 07" E	1784 m
Farm Kranskop 392 (see Zastron), Zastron		30° 18' 00" S 27° 05' 00" E	1672 m
Farm Kudus Vlei, 60 km W Louis Trichard (see also: Kudus Vlei Farm, Louis Trichardt, 60 km W)		23° 03' 14" S 29° 29' 14" E	956 m
Farm Kunkuru, Warmbaths (see also: Kunkuru, Farm)		27° 53' 00" S 27° 49' 00" E	
Farm La Rochelle 506 (see Smithfield), Smithfield		30° 13' 00" S 26° 32' 00" E	
Farm Langverwaght 196 (see Vrede), Vrede		27° 25' 00" S 29° 10' 00" E	1668 m
Farm Leelykstraat 320, 30 km NE Marydale (see also: Farm 320 (Leelykstraat), Leelykstraat, Farm 320, Marydale, 30 km NE)		29° 11' 00" S 22° 18' 00" E	

Farm Leeudraai 221JR (see also: Farm 221JR (Leeudraai), Leeudraai, Farm 221JR)	25° 22' 15" S 28° 33' 58" E	
Farm Leeuwenfontein 81, Steynsburg, 4.4 km N, 24.0 km W (see also: Farm 81 (Leeuwenfontein), Leeuwenfontein, Farm 81, Steynsburg, 4.4 km N, 24.0 km W)	31° 15' 21" S 25° 34' 25" E	1510 m
Farm Leeuwspoor 647, S of Gollela; on Pongola river, Pongola road (see also: Farm 647 (Leeuwspoor), Leeuwspoor, Farm 647)	27° 24' 00" S 31° 54' 00" E	
Farm Lemoenboord 320, Philippolis (see also: Farm 320 (Lemoenboord), Lemoenboord, Farm 320)	30° 07' 30" S 24° 52' 30" E	
Farm Lemoenhoek 415, Ladybrand (see also: Farm 415 (Lemoenhoek), Lemoenhoek, Farm 415)	29° 22' 30" S 27° 07' 30" E	
Farm Lessingshoogte, 15 mi [=24 km] W Middelburg	31° 34' 00" S 24° 44' 00" E	
Farm Letsoana Stad 347, Fouriesburg (see also: Farm 347 (Letsoana Stad), Farm 347, Letsoana Stad)	28° 37' 00" S 28° 13' 00" E	1801 m
Farm Lilliput 246, 16 km SW Messina (see also: Farm 246 (Lilliput), Lilliput, Farm 246, Messina, 16 km SW)	22° 28' 00" S 29° 56' 00" E	
Farm Liverpool 202 (see also: Farm 202 (Liverpool), Liverpool, Farm 202)		
Farm Luna 61MS [=V.L.N.R.], 32 km NE Alldays (see also: Alldays, 32 km NE, Farm 61MS (Luna) [=V.L.N.R.], Luna, Farm 61MS [=V.L.N.R.])	22° 22' 00" S 29° 21' 00" E	
Farm Makalali, Letaba (see also: Makalali, Farm)	24° 09' 00" S 30° 42' 00" E	
Farm Makapansgat 39, 16 km NE Potgietersrus (see also: Farm 39 (Makapansgat), Ficus cave, Makapan cave, Makapans Valley, Makapansgat Historic Cave, Makapansgat, Farm 39, Pepercorn's cave, Peppercorn Cave, Peppercorn's cave, Potgietersrus, 16 km NE)	24° 09' 00" S 29° 11' 00" E	1604 m
Farm Malata (see also: Malata, Farm)	23° 59' 00" S 31° 50' 00" E	
Farm Malta, 19 km W Letaba (see also: Letaba, 19 km W)	24° 10' 00" S 30° 14' 00" E	
Farm Marthavale, 40 km NW Kuruman (see also: Kuruman, 40 km NW, Marthavale, Farm)	27° 20' 00" S 23° 04' 00" E	
Farm Merrimietzie 576 (see Winburg)	28° 32' 00" S 27° 01' 00" E	1494 m
Farm Middelwater 750, Hoopstad (see also: Farm 750 (Middelwater), Middelwater, Farm 750)	27° 44' 00" S 25° 26' 00" E	
Farm Mimosa 454, 25 km ENE Postmasburg (see also: Farm 454 (Mimosa), Mimosa, Farm 454, Postmasburg, 25 km ENE)	28° 11' 00" S 23° 19' 00" E	
Farm Mitford Park, 5 km W Riebeek-Oos (see also: Mitford Park, Farm, Riebeek-Oos, 5 km W)	33° 12' 00" S 26° 06' 00" E	700 m
Farm Modder Fontein, 7 - 8 mi [=11.3 - 12.8 km] W Springbok (see also: Farm Modderfontein, Modder Fontein, Farm, Modderfontein, Farm, Springbok, 7 - 8 mi [=11.3 - 12.8 km] W)	29° 41' 00" S 17° 48' 00" E	
Farm Modderfontein, 24 km SE Potgietersrus (see also: Howell Davies Cave, Modderfontein, Farm, Potgietersrus, 24 km SE)	24° 20' 00" S 29° 12' 00" E	
Farm Modderfontein (see also: Malmesbury, 13 km NE, Modderfontein, Farm)	33° 25' 00" S 18° 51' 00" E	
Farm Modderfontein (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok	29° 41' 00" S 17° 48' 00" E	
Farm Mokeetsi, Letaba-Tzaneen (see also: Moeketsi, Mokeetsi, Farm, Moketsi, Mooketsi)	23° 35' 00" S 30° 05' 00" E	
Farm Mokeetsi 376 (see Farm Duiwelskloof 376), Tzaneen	23° 42' 00" S 30° 08' 00" E	

Farm Mooigenoeg 83, 8 km S Derdepoort (see also: Derdepoort, 8 km S, Farm 83 (Mooigenoeg), Mooigenoeg, Farm 83)	24° 40' 00" S 26° 20' 00" E	
Farm Mooimeisjesfontein 147JQ, Assen (see also: Farm 147JQ (Mooimeisjesfontein), Farm 147JQ (Mooimysjesfontein), Farm 147JQ (Mooiymysjesfontein), Farm Mooimysjesfontein 147JQ, Farm Mooiymysjesfontein 147JQ, Mooimeijesfontein, Mooimeisjesfontein, Farm 147JQ, Mooimysjesfontein, Farm 147JQ, Mooiymysjesfontein, Farm 147JQ)	25° 01' 00" S 27° 37' 00" E	
Farm Mooimysjesfontein 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	25° 01' 00" S 27° 37' 00" E	
Farm Mooiplaas 355 (see Farm Hennopsriver 489), Pretoria	25° 50' 00" S 27° 58' 00" E	
Farm Mooiplaas 94, 18 km SSE Derdepoort (see also: Derdepoort, 18 km SSE, Farm 94 (Mooiplaas), Mooiplaas, Farm 94)	24° 45' 00" S 26° 24' 00" E	
Farm Mooiymysjesfontein 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	25° 01' 00" S 27° 37' 00" E	
Farm Moscow 274, Heilbron (see also: Farm 274 (Moscow), Moscow, Farm 274)	27° 17' 00" S 27° 58' 00" E	
Farm Mosslands, 11 mi [=17.7 km] SSW Grahamstown (see also: Grahamstown, 11 mi [=17.7 km] SSW, Mossland, Mosslands, Farm)	33° 24' 23" S 26° 25' 45" E	
Farm Mouton's Valley A80, 15.2 km N, 3.5 km W Piketberg (see also: Farm A80 (Mouton's Valley), Mouton's Valley, Farm A80, Piketberg, 15.2 km N, 3.5 km W)	32° 46' 11" S 18° 43' 08" E	545 m
Farm Naerina, 8 km E Duiwelskloof (see also: Duiwelskloof, 8 km E, Naerina, Farm)	23° 42' 00" S 30° 16' 00" E	
Farm Nakaetsi 376, Tzaneen district, Zoutpansberg (see also: Farm 376 (Nakaetsi), Nakaetsi, Farm 376)	23° 40' 00" S 30° 05' 00" E	
Farm Narap, 28 km SSE Springbok (see also: Marop, Narap, Farm, Springbok, 28 km SSE)	29° 53' 00" S 17° 46' 00" E	
Farm Narina, 8 km E Letaba-Duiwelskloof (see also: Letaba-Duiwelskloof, 8 km E, Malta, Farm, Narina, Farm)	23° 42' 00" S 30° 14' 00" E	
Farm New Belgium 608, 65 km N Vaalwater (see also: Farm 608 (New Belgium), New Belgium, Farm 608, RR Ranch)	23° 53' 00" S 28° 08' 00" E	
Farm Nico Smith, 20 mi [=32 km] W Port Elisabeth (see also: Nico Smith, Farm, Port Elisabeth, 20 mi [=32 km] W)	33° 59' 12" S 25° 17' 48" E	
Farm Nicorel 343, 18 km N Steilloop(burg) (see also: Farm 343 (Nicorel), Nicorel, Farm 343, Steilloop, 18 km N, Steilloopburg, 18 km N)	23° 15' 36" S 28° 36' 36" E	
Farm Non Pareil 396 (see Warden), Warden	27° 51' 00" S 28° 58' 00" E	1643 m
Farm Nooitgedacht, 20 km from Louis Trichardr (see also: Nooitgedacht, Farm)	22° 56' 00" S 29° 58' 00" E	614 m
Farm Nooitgedacht 508, 14 km SSE Potchefstroom (see also: Farm 508 (Nooitgedacht), Nooitgedacht, Farm 508, Potchefstroom, 14 km SSE)	26° 55' 12" S 27° 10' 12" E	
Farm Northern Kakamas, 20.5 km NW Kakamas, behind cottages at Khamkirri (see also: Kakamas, 20.5 km NW, Northern Kakamas, Farm)	28° 39' 00" S 20° 26' 00" E	
Farm Nova 667, Ladybrand (see also: Farm 667 (Nova), Nova, Farm 667)	29° 07' 30" S 27° 22' 30" E	
Farm Nydas (see Farm Cnydas), 12 km NW Lutzput	28° 22' 00" S 20° 34' 00" E	
Farm Nyls Vly (see Nylsvlei Farm), Potgietersrus-Naboomspruit	24° 39' 00" S 28° 42' 00" E	
Farm Nylsvlei (see Nylsvlei Farm), Potgietersrus-Naboomspruit	24° 39' 00" S 28° 42' 00" E	
Farm Ohkotso, Pretoria, 32.6 km, on Molopo Road (see also: Farm Voigt's, Ohkotso, Farm, Pretoria, 32.6 km from, Voigt's; Farm)	25° 37' 00" S 28° 37' 00" E	
Farm Okhotso Boekenhoutskloof (see Farm Boekenhoutskloof), Cullinan	25° 31' 00" S 28° 25' 00" E	

Farm Olifantspoort 328, 19 km [=12 mi] S Rustenburg (see also: Farm 328 (Olifantspoort), Olifantspoort, Farm 328, Retiefkloof, Rustenburg, 19 km [=12 mi] S)	25° 50' 00" S 27° 15' 00" E	
Farm Olivewood 284, 15 km WNW Hotazel (see also: Farm 284 (Olivewood), Hotazel, 15 km WNW, Olivewood, Farm 284)	27° 12' 00" S 22° 48' 00" E	
Farm Olyvekloof 184 (see also: Farm 184 (Olyvekloof), Olyvekloof, Farm 184)	31° 07' 00" S 26° 52' 00" E	
Farm Omdraaivlei, Briststown	30° 05' 00" S 23° 08' 00" E	
Farm Onder Downs (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	31° 31' 06" S 19° 31' 06" E	
Farm Onder-Downes, 6 mi [=9.6 km] E Calvinia (see also: Calvinia, 6 mi [=9.6 km] E, Farm Onder Downs, Farm Onderdownes Wes, Onder Downs, Farm, Onderdownes Wes, Farm, Onder-Downes, Farm)	31° 31' 06" S 19° 31' 06" E	
Farm Onderdownes Wes (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	31° 31' 06" S 19° 31' 06" E	
Farm Onverwacht 544JT, Sjonajona (see also: Farm 544JT (Onverwacht), Onverwacht, Farm 544JT)	25° 45' 38" S 30° 42' 05" E	
Farm Oograbies West 153 (see also: Augrabies Wes, Farm 153, Farm 153 (Augrabies Wes), Farm 153 (Oograbies West), Farm Augrabies Wes 153, Oograbies West, Farm 153)	29° 12' 00" S 17° 05' 00" E	
Farm Orange Grove, 2.2 km N, 0.9 km E Petrusville (see also: Orange Grove, Farm, Petrusville, 2.2 km N, 0.9 km E)	30° 03' 44" S 24° 40' 06" E	1173 m
Farm Othawo 242, 16 km N Newington (see also: Farm 242 (Othawo), Newington, 16 km N, Othawo, Farm 242, Sabie Sand Private Nature Reserve)	24° 45' 00" S 31° 26' 00" E	
Farm Otto's Bluff, 15 km NNW Pietermaritzburg (see also: Koks farm, Kok's farm, Ottos Bluff, Otto's Bluff Farm, Pietermaritzburg, 15 km NNW)	29° 30' 00" S 30° 21' 00" E	1188 m
Farm Parsons Rust 465, Vredefort (see also: Farm 465 (Parsons Rust), Parsons Rust, Farm 465)	26° 53' 00" S 27° 19' 00" E	
Farm Peperhoek 729, Fauresmith (see also: Farm 729 (Peperhoek), Peperhoek, Farm 729)	29° 37' 30" S 24° 22' 30" E	
Farm Perkeo 223KT (see also: Farm 223KT (Perkeo), Perkeo, Farm 223KT)	24° 28' 00" S 30° 36' 00" E	
Farm Pickford, 12 mi N Port Elizabeth	33° 49' 00" S 25° 32' 00" E	
Farm Pinehurst 291, Ladybrand (see also: Farm 291 (Pinehurst), Pinehurst, Farm 291)	29° 07' 30" S 27° 22' 30" E	
Farm Platbos, 32 km NW Vaalwater; Waterberg (see also: Platbos, Farm, Vaalwater, 32 km NW)	24° 13' 00" S 27° 52' 00" E	
Farm Pretty View, 6.3 km N, 6.4 km W Seymour (see also: Pretty View, Farm, Seymour, 6.3 km N, 6.4 km W)	32° 29' 49" S 26° 42' 14" E	850 m
Farm Randstephne 455KQ (see also: Farm 455KQ (Randstephne), Randstephne, Farm 455KQ)	24° 36' 58" S 27° 39' 31" E	993 m
Farm Rangerton (see also: Rangerton, Farm)	32° 36' 44" S 27° 39' 50" E	740 m
Farm Ratelfontein, 17.5 km S, 5.7 km W Elim (see also: Elim, 17.5 km S, 5.7 km W, Ratelfontein, Farm)	34° 44' 50" S 19° 41' 45" E	30 m
Farm Ratsegaai 204, 13 km W Ventersdorp (see also: Farm 204 (Ratsegaai), Ratsegaai, Farm 204, Ventersdorp, 13 km W)	26° 22' 00" S 26° 44' 00" E	
Farm Regina 68 [=V.L.N.R.], 32 km NE Alldays (see also: Alldays, 32 km NE, Farm 68 (Regina) [=V.L.N.R.], Regina, Farm 68 [=V.L.N.R.])	22° 22' 48" S 29° 16' 12" E	
Farm Rhenosterfontein, Potchefstroom (see also: Rhenosterfontein; Farm)	26° 34' 00" S 27° 31' 00" E	
Farm Rhenosterspruit 59JQ (see also: Farm 59JQ (Rhenosterspruit), Rhenosterspruit, Farm 59JQ)	25° 22' 30" S 27° 07' 30" E	

Farm Rhoda 9, 13 km S Phalaborwa (see also: Farm 9 (Rhoda), Rhoda, Farm 9)		24° 03' 00" S 31° 06' 00" E	
Farm Rietfontein, Middleburg (see also: Rietfontein, Farm)		25° 53' 00" S 29° 23' 00" E	
Farm Rietfontein, 8.0 km N, 3.0 km W Aurora (see also: Aurora, 8.0 km N, 3.0 km W, Rietfontein, Farm)		32° 38' 00" S 18° 28' 00" E	125 m
Farm Rietfontein 404, 7 km N Sasolburg (see also: Farm 404 (Rietfontein), Rietfontein, Farm 404, Sasolburg, 7 km N)		26° 46' 00" S 27° 43' 30" E	
Farm Rietfontein 536KQ, Bela-Bela Municipality,off R516, 53 km W of Bela-Bela (see also: Bela-Bela, 53 km W, Farm 536KQ (Rietfontein), Rietfontein, Farm 536KQ)		24° 54' 30" S 27° 44' 36" E	
Farm Rietfontein, pt 16, Bronkhorstspruit (see also: Rietfontein, Farm pt 16)	ca.	25° 48' 00" S 28° 44' 00" E	
Farm Rietgat, plot 102, Pretoria (see also: Rietgat, Farm plot 102)		25° 43' 00" S 28° 11' 00" E	
Farm River 141 MS, Soutpansberg (see also: Farm 141 MS (River), River, Farm 141 MS)		22° 11' 57" S 29° 52' 43" E	
Farm Rochdale, 5 mi E Waterpoort (see also: Rochdale, Farm, Waterpoort, 5 mi [=8 km] E)		22° 54' 00" S 29° 41' 00" E	
Farm Rolspruit 127, 7 km E Leslie (see also: Farm 127 (Rolspruit), Farm Rotspruit, Leslie, 7 km E, Rolspruit, Farm 127, Rotspruit, Farm)		26° 24' 00" S 29° 00' 00" E	
Farm Roodekopjes, Amersfoort Dist. (see also: Roodekopjes, Farm)		27° 03' 00" S 29° 48' 00" E	
Farm Roodepoort 386, 15 km E Standerton (see also: Farm 386 (Roodepoort), Roodepoort; Farm 386, Standerton, 15 km E)		26° 54' 00" S 29° 22' 00" E	
Farm Rooikrans 538, Thabazimbi (see also: Farm 538 (Rooikrans), Farm 538 (Rooikranz), Farm Rooikranz 538, Rooikrans, Farm 538, Rooikranz, Farm 538)		24° 53' 00" S 27° 39' 00" E	
Farm Rooikranz 538 (see Farm Rooikrans 538), Thabazimbi		24° 53' 00" S 27° 39' 00" E	
Farm Rotspruit (see Farm Rolspruit 127), 7 km E Leslie		26° 24' 00" S 29° 00' 00" E	
Farm Rotterdam, 10 mi [=16 km] N Thabazimbi		24° 33' 17" S 27° 20' 20" E	
Farm Rykvoorby 96, 9 km N Zeerust (see also: Farm 96 (Rykvoorby), Rykvoorby, Farm 96, Zeerust, 9 km N)		25° 29' 00" S 26° 04' 00" E	
Farm Sandspruit, 40 mi WNW Warmbad (see also: Sandspruit Cave, Sandspruit, Farm, Warmbad, 40 mi [=64 km] WNW)		24° 36' 36" S 27° 39' 36" E	
Farm Sarum 245LS, 16 km NW Louis Trichardt; Buzzard Mountain Retreat (see also: Farm 245LS (Sarum), Sarum, Farm 245LS)		23° 02' 00" S 29° 46' 00" E	
Farm Schaapplaas 1785, Clarens (see also: Farm 1785 (Schaapplaas), Schaapplaas, Farm 1785)	ca.	28° 37' 00" S 28° 22' 00" E	
Farm Schaapplaats 930 (see also: Farm 930 (Schaapplaats), Schaapplaats, Farm 930)		27° 55' 42" S 28° 58' 21" E	
Farm Scholtze Kloof 154, 3.7 km S, 3.2 km W Prince Albert (see also: Farm 154 (Scholtze Kloof), Prince Albert, 3.7 km S, 3.2 km W, Scholtze Kloof, Farm 154)		33° 15' 36" S 21° 59' 47" E	675 m
Farm Schulp Fontein 472, 16 km NW, Namaqualand (see also: Farm 472 (Schulp Fontein), 16 km NW, Farm 472 (Schulpfontien), 16 km NW, Farm Schulpfontien 472, 16 km NW, Schulp Fontein, Farm 472, 16 km NW, Schulpfontien, Farm 472, 16 km NW)		30° 05' 00" S 17° 11' 30" E	
Farm Schulpfontien 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand		30° 05' 00" S 17° 11' 30" E	
Farm Schurwepoort 448, Koppies (see also: Farm 448 (Schurwepoort), Schurwepoort, Farm 448)		27° 25' 00" S 27° 35' 00" E	
Farm Scrutton 23MT, 32 km E Messina (see also: Farm 23MT (Scrutton), Messina, 32 km E, Scrutton, Farm 23MT)		22° 21' 00" S 30° 21' 00" E	1450 ft

Farm Secheili's Oude Stad 6, Zeerust (see also: Farm 6 (Secheili's Oude Stad), Secheili's Oude Stad, Farm 6)	24° 53' 00" S 25° 58' 00" E	
Farm Sheila 10, Leydsdorp (see also: Farm 10 (Sheila), Sheila, Farm 10)	24° 03' 00" S 31° 09' 00" E	
Farm Skoongesig 360JS, Languitsig (see also: Farm 360JS (Skoongesig), Skoongesig, Farm 360JS)	25° 37' 00" S 29° 52' 00" E	
Farm Slingerpan, 14.9 km N, 9.2 km W Strydenburg (see also: Slingerpan, Farm, Strydenburg, 14.9 km N, 9.2 km W)	29° 48' 28" S 23° 34' 56" E	1158 m
Farm Sparta (see also: Sparta, Farm)	24° 48' 00" S 31° 30' 00" E	
Farm Spitskop 398, Fauresmith (see also: Farm 398 (Spitskop), Spitskop, Farm 398)	29° 30' 00" S 25° 59' 00" E	
Farm Sterkfontein 173IQ (see Sterkfontein, Farm 173IQ)	26° 01' 43" S 27° 42' 37" E	
Farm Sterkfontein 495JR (see Telperion Nature Reserve)	25° 42' 41" S 29° 01' 03" E	
Farm Sterkspruit 33JT, Lydenberg (see also: Farm 33JT (Sterkspruit), Lydenberg Fisheries, Lydenberg Vissery, Lydenburg Fisheries, Sterkspruit, Farm 33JT)	25° 06' 50" S 30° 28' 50" E	1450 m
Farm Sterkspruit 412KT, Mogaba (see also: Farm 412KT (Sterkspruit), Sterkspruit, Farm 412KT)	24° 37' 00" S 30° 37' 00" E	
Farm Steyerskraal, 50 km N, 10 km E Pofadder (see also: Farm Styrskraal, Pofadder, 50 km N, 10 km E, Steyerskraal, Farm, Styrskraal, Farm)	28° 40' 00" S 19° 30' 00" E	500 m
Farm Stolzenfels, S bank Orange river (see also: Stolzenfels, Farm)	28° 31' 14" S 19° 42' 02" E	
Farm Stones Hill, 5 km S, 5 km E Grahamstown (see also: Grahamstown, 5 km S, 5 km E, Stones Hill, Farm)	33° 20' 00" S 26° 34' 00" E	430 m
Farm Strathfieldsaye, near Eston (see also: Strathfieldsaye, Farm)	29° 55' 15" S 30° 27' 44" E	
Farm Styrskraal (see Farm Steyerskraal)	28° 40' 00" S 19° 30' 00" E	500 m
Farm Sudwalaskraal 271JT (see also: Farm 271JT (Sudwalaskraal), Sudwalaskraal, Farm 271JT)	25° 22' 00" S 30° 37' 00" E	
Farm Swartkoppies, 8.7 km S, 8.5 km W De Aar (see also: De Aar, 8.7 km S, 8.5 km W, Swartkoppies, Farm)	30° 43' 45" S 23° 55' 21" E	1234 m
Farm Swq 1032, 16.4 km N, 21.5 km W Bredasdorp (see also: Bredasdorp, 16.4 km N, 21.5 km W, Farm 1032 (Swq), Swq, Farm 1032)	34° 23' 04" S 19° 48' 27" E	166 m
Farm Tambotiekloof 601, 10 km NE Ellisras (see also: Ellisras, 10 km NE, Farm 601 (Tambotiekloof), Farm Tambotieskloof 601, Tambotiekloof, Farm 601, Tambotieskloof, Farm 601)	23° 54' 00" S 27° 41' 00" E	
Farm Tambotieskloof 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	23° 54' 00" S 27° 41' 00" E	
Farm Tangala 87, NW Orpen Gate (see also: Farm 87 (Tangala), Tangala, Farm 87)	24° 28' 00" S 31° 12' 00" E	
Farm Tenbosch 112JU (see also: Farm 112JU (Tenbosch), Tenbosch, Farm 112JU)	25° 22' 35" S 31° 55' 21" E	
Farm Thankerton 175JU (see also: Farm 175JU (Thankerton), Thankerton, Farm 175JU)	25° 26' 21" S 31° 39' 27" E	
Farm The Downs, Lebowa (see also: The Downs, Farm)	24° 09' 00" S 30° 11' 00" E	
Farm Tweepoort 404, 2 km NE Amsterdam (see also: Amsterdam, 2 km NE, Farm 404 (Tweepoort), Tweepoort, Farm 404)	26° 36' 00" S 30° 43' 00" E	
Farm Twin Streams, Mtunzini (see also: Twin Streams Farm)	28° 58' 00" S 31° 42' 00" E	
Farm Tygerkloof 354, 24 km SW Thabazimbi (see also: Farm 354 (Tygerkloof), Farm 354 (Tygerskloof), Farm Tygerskloof 354, Thabazimbi, 24 km SW, Tygerkloof, Farm 354, Tygerskloof, Farm 354)	24° 41' 40" S 27° 12' 33" E	
Farm Tygerskloof 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi	24° 41' 40" S 27° 12' 33" E	

Farm Uitkomst 499, Krugersdorp (see also: American cave, Farm 499 (Uitkomst), Jack Scott Private Nature Reserve, John Nash Nature Reserve, Long One Cave, Pretoria, 30 mi [=48 km] WSW, Pretoria, 32 mi [=51 km] W, Uitkomst, Farm 499)	25° 54' 00" S 27° 46' 00" E	
Farm Uitkyk, Krugersdorp (see also: Uitkyk, Farm, Witkhyk)	26° 05' 00" S 27° 46' 00" E	
Farm Uitkyk 264JT (see also: Buffelskloof Private Nature Reserve, Farm 264JT (Uitkyk), Uitkyk, Farm 264JT)	25° 18' 00" S 30° 30' 00" E	
Farm Uitvlug, 5.0 km N, 11.0 km E Joubertina (see also: Joubertina, 5.0 km N, 11.0 km E)	33° 49' 00" S 24° 01' 00" E	550 m
Farm Uitvlugt 227, Vrede (see also: Farm 227 (Uitvlugt), Uitvlugt, Farm 227)	27° 27' 00" S 29° 23' 00" E	
Farm Uitzicht 630, Harrismith (see also: Farm 630 (Uitzicht), Uitzicht, Farm 630)	28° 04' 00" S 28° 27' 00" E	
Farm Urk 10, 13 km W Vivo (see also: Blouberg Private Nature Reserve, Farm 10, Urk, Urk, Farm 10, Vivo, 13 km W)	23° 02' 00" S 29° 08' 00" E	854 m
Farm Van Soelenshoek 590 (see Winburg)	28° 32' 00" S 27° 01' 00" E	1494 m
Farm Vellefontein 517 KQ, Bela-Bela municipality, off road R50, 50 km W Bela-Bela (see also: Bela-Bela, 50 km W, Farm 517 KQ (Vellefontein), Vellefontein, Farm 517 KQ)	24° 49' 26" S 27° 47' 07" E	
Farm Vergelegen 80JS (see also: Farm 80JS (Vergelegen), Loskop Dam Wall Inspection Tunnel, Vergelegen, Farm 80JS)	25° 26' 00" S 29° 23' 00" E	
Farm Vergeval (see also: Vergeval, Farm)	27° 29' 00" S 31° 42' 00" E	360 m
Farm Victoriaspoort 18IT (see also: Farm 18IT (Victoriaspoort), Kalkoenkrans Cave, Victoriaspoort, Farm 18IT)	26° 02' 00" S 30° 19' 00" E	
Farm Visagierus, Williston, SW (see also: Farm Gouna, Gouna, Farm, Visagiesrus, Farm)	31° 31' 00" S 20° 30' 00" E	3600 ft
Farm Vleiplaas, 2.8 km N, 3.8 km E Uniondale (see also: Uniondale, 2.8 km N, 3.8 km E, Vleiplaas, Farm)	33° 37' 49" S 23° 10' 04" E	760 m
Farm Voigt's (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road	25° 37' 00" S 28° 37' 00" E	
Farm Vrede (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet	32° 13' 03" S 24° 12' 26" E	
Farm Vrisgewaagd 152, 4.0 km S, 13.9 km W Prince Albert (see also: Farm 152 (Vrisgewaagd), Prince Albert, 4.0 km S, 13.9 km W, Vrisgewaagd, Farm 152)	33° 15' 47" S 21° 52' 57" E	600 m
Farm Vrolijkheid (see Vrolijkheid Nature Reserve)	33° 55' 00" S 19° 52' 00" E	221 m
Farm Vuma, Entumeni (see also: Vuma, Farm)	28° 50' 00" S 31° 25' 00" E	
Farm Vygeboom 326, 18.8 km N, 27.2 km W Paterson (see also: Farm 326 (Vygeboom), Paterson, 18.8 km N, 27.2 km W, Vygeboom, Farm 326)	33° 16' 08" S 25° 40' 31" E	750 m
Farm Vygeboschlaagte 236JQ (see also: Farm 236JQ (Vygeboschlaagte), Vygeboschlaagte, Farm 236JQ)	25° 19' 00" S 28° 01' 00" E	
Farm Wagondrift 230, 16 km SSE Lamberts Bay (see also: Farm 230 (Wagondrift), Lamberts Bay, 16 km SSE, Wagondrift, Farm 230)	32° 13' 00" S 18° 21' 00" E	
Farm Wakefield 2369 (ptn 13) (see also: Farm 2369 (Wakefield) (ptn 13), Wakefield, Farm 2369 (ptn 13))	29° 29' 13" S 29° 53' 53" E	
Farm Wakkersdal 436KT (see also: Farm 436KT (Wakkersdal), Wakkersdal, Farm 436KT)	24° 37' 00" S 30° 43' 00" E	
Farm Waterloo, 1.5 km S, 1.2 km E Grahamstown (see also: Grahamstown, 1.5 km S, 1.2 km E, Waterloo, Farm)	33° 19' 26" S 26° 32' 18" E	610 m
Farm Waterval, 16 mi [=26 km] SE Thabazimbi (see also: Thabazimbi, 16 mi [=26 km] SE, Waterval, Farm)	24° 39' 17" S 27° 12' 48" E	
Farm Waterval, Machadadorp (see also: Third Mine Tunnel, Waterval, Farm)	25° 52' 30" S 30° 18' 10" E	

Farm Waterval 747, Harrismith [Warden] (see also: Farm 747 (Waterval), Waterval, Farm 747)		27° 52' 30" S 29° 07' 30" E	
Farm Weinek, 2 mi [=3.2 km] W Rooiberg		24° 47' 01" S 27° 40' 43" E	
Farm Welgedaan 292, 5 km NNE Christiana (see also: Christiana, 5 km NNE, Farm 292 (Welgedaan), Welgedaan, Farm 292)		27° 42' 00" S 25° 13' 00" E	
Farm Welgevonden, 20 km on road from Louis Trichardt to Thohoyandou	ca.	23° 04' 44" S 30° 05' 33" E	
Farm Welgevonden 449, 16 km W Steilloop(burg), Levubu Valley; 20 km on road from Louis Trichardt to Thohoyandou (see also: Farm 449 (Welgevonden), Louis Trichardt to Thohoyandou, km 20 on road, Steilloop, 16 km SW, Steilloopburg, 16 km SW, Welgevonden, Farm 449)		23° 32' 00" S 28° 26' 00" E	
Farm Welgevonden 969 (see also: Farm 969 (Welgevonden), Welgevonden, Farm 969)		29° 19' 55" S 30° 16' 39" E	
Farm Weynek (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg		24° 47' 01" S 27° 40' 43" E	
Farm Witklipfontein 519, Vredefort (see also: Farm 519 (Witklipfontein), Witklipfontein, Farm 519)		26° 56' 00" S 27° 15' 00" E	
Farm Witpoort 419, 24 km E Potchefstroom (see also: Farm 419 (Witpoort), Potchefstroom, 24 km E, Witpoort, Farm 419)		26° 39' 00" S 27° 20' 00" E	
Farm Wonderfontein, 48 km E Middelburg (see also: Middelberg, 48 km E, Middelburg, 48 km E, River cave, Wonderfontein, Farm)		25° 50' 00" S 29° 55' 00" E	
Farm Wonderfontein 103IQ, Caltonville / Potchefstroom (see also: Abe Baily Nature Reserve, Caltonville, Farm 103IQ (Wonderfontein), Wonderfontein Cave, Wonderfontein, Farm 103IQ)		26° 18' 00" S 27° 24' 00" E	
Farm Woodstock, 11 km SW Kuruman (see also: Kuruman, 11 km SW, Woodstock, Farm)		27° 34' 00" S 23° 24' 00" E	
Farm Zandspruit 449KQ (see Gatkop cave)		24° 37' 05" S 27° 39' 08" E	
Farm Zanrivier, NW Warmbaths (see also: Zanrivier, Farm)		24° 39' 00" S 28° 02' 00" E	
Farm Zeekoegats Drift, 2.5 km S, 12.6 km W Ladismith (see also: Ladismith, 2.5 km S, 12.6 km W, Zeekoegats Drift, Farm)		33° 30' 39" S 21° 05' 42" E	380 m
Farm Zoetendalsvlei, Bredasdorp (see also: Zoetendalsvlei, Farm)		34° 45' 00" S 19° 59' 00" E	
Farm Zoutpansdrift 246, Luckhoff (see also: Farm 246 (Zoutpansdrift), Zoutpansdrift, Farm 246)		29° 43' 00" S 24° 23' 00" E	
Farm Zusterstroom 447JR (see also: Farm 447JR (Zusterstroom), Zusterstroom, Farm 447JR)		25° 35' 00" S 29° 00' 00" E	
Farm Zuurfontein 92, Fauresmith (see also: Farm 92 (Zuurfontein), Zuurfontein, Farm 92)		29° 55' 00" S 25° 24' 00" E	
Farm Zwarthoek 794, Mansfield (see also: Farm 794 (Zwarthoek), Zwarthoek, Farm 794)		22° 58' 00" S 29° 52' 00" E	
Farms Grootsuikerboschkop & Elandslaagte, Dullstroom (see also: Grootsuikerboschkop, Farm & Elandslaagte, Farm)	ca.	25° 24' 00" S 30° 06' 00" E	
Fauresmith, Boringst.		29° 45' 00" S 25° 19' 00" E	1460 m
Faust, Farm 743 (see Farm Faust 743), Ficksburg		28° 46' 00" S 27° 47' 00" E	
Feather River [farmstead]		25° 00' 14" S 30° 53' 40" E	1350 m
Ferncliff, Pietermaritzburg		29° 36' 00" S 30° 23' 00" E	
Ferncliff [farmstead]		28° 32' 00" S 31° 13' 00" E	
Ferncliff Nature Reserve		29° 32' 00" S 30° 20' 00" E	1000 m
Ferncliffe Nature Reserve		29° 33' 00" S 30° 19' 12" E	
Ferndale, Farm (see Farm Ferndale)		32° 04' 00" S 24° 21' 00" E	
Ferndale, Farm (see Farm Ferndale), 8 km SE Groot Marico		25° 38' 00" S 26° 24' 00" E	
Fezile district (see also: Northern Free State district)			
Ficksburg, 37 Visser Str.		28° 53' 00" S 27° 53' 00" E	1510 m
Ficus cave (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Fiddler's Green		33° 18' 00" S 26° 31' 00" E	530 m

Fig forest, Left-hand bank		
Fig Tree Camp, Levuvhu River (see also: Fig Tree Forest, Figtree camp, Figtree Forest, Figtree Forest, 4.8 km downstream)	22° 25' 50" S 31° 11' 50" E	
Fig Tree Forest (see Fig Tree Camp), Levuvhu River	22° 25' 50" S 31° 11' 50" E	
Figaro Mine, 11 km ENE Barberton (see also: Barberton, 11 km ENE)	25° 27' 00" S 31° 28' 00" E	
Figtree camp (see Fig Tree Camp), on Levuvhu River	22° 25' 50" S 31° 11' 50" E	
Figtree Forest (see Fig Tree Camp), 4.8 km downstram bridge, left hand bank	22° 25' 50" S 31° 11' 50" E	
Figtree Forest, 4.8 km downstream (see Fig Tree Camp)	22° 25' 50" S 31° 11' 50" E	
Fir Glen, Farm (see Farm Fir Glen), Grahamstown	33° 19' 20" S 26° 23' 21" E	900 m
Fleet Ditch Tunnel	32° 53' 00" S 27° 23' 00" E	400 m
Fleur de Lys, Farm 195KU (see Farm Fleur de Lys 195KU)	24° 32' 00" S 31° 01' 00" E	
Florida, Roodepoort	26° 10' 00" S 27° 55' 00" E	
Florisbad, Farm 686 (see Farm Florisbad 686), Brandfort	28° 46' 00" S 26° 05' 00" E	
Folderia, Ermerlo	26° 31' 00" S 29° 59' 00" E	
Forest Hills, Epping Crescent	29° 45' 00" S 30° 49' 00" E	
Forest Inn		
Fort Beaufort	32° 47' 00" S 26° 38' 00" E	500 m
Fort Beaufort and Grahamstown, halfway between		
Fort Beaufort, 14 km W	32° 47' 00" S 26° 38' 00" E	
Fort Beaufort, 23.7 km S, 9.7 km E (see Sam Knott Nature Reserve)	32° 56' 29" S 26° 44' 23" E	240 m
Fort Brown	33° 07' 00" S 26° 42' 00" E	400 m
Fort Brown Police Station, 19.9 km N, 8.6 km E Grahamstown (see also: Grahamstown, 19.9 km N, 8.6 km E)	33° 07' 49" S 26° 37' 05" E	270 m
Fort Gale Suburb, 0.5 km S, 2.5 km W Umtata (see also: Umtata, 0.5 km S, 2.5 km W)	31° 35' 34" S 28° 45' 34" E	770 m
Fort Hoek Trading store, Herschel	30° 37' 00" S 27° 10' 00" E	1584 m
Fort Yellond Farm (see Fort Yolland mission)	28° 50' 59" S 31° 13' 19" E	742 m
Fort Yolland Farm (see Fort Yolland mission), W of Eshowe	28° 50' 59" S 31° 13' 19" E	739 m
Fort Yolland mission, W of Eshowe (see also: Fort Yellond Farm, Fort Yolland Farm)	28° 50' 59" S 31° 13' 19" E	742 m
Fountains [railroad siding] (see Founteine [railroad siding]), Pretoria	25° 47' 00" S 28° 11' 00" E	
Fountains Grove (see Founteine [railroad siding]), Pretoria	25° 47' 00" S 28° 11' 00" E	
Fountains Valley, Pretoria	25° 57' 00" S 28° 12' 00" E	
Fountein Grove (see Founteine [railroad siding])	25° 47' 00" S 28° 11' 00" E	
Founteine [railroad siding], Pretoria (see also: Fountains [railroad siding], Fountains Grove, Fountein Grove)	25° 47' 00" S 28° 11' 00" E	
Fouriesburg, Letsoana Stad [347]	28° 37' 00" S 28° 13' 00" E	1801 m
Fourwinds, Farm (see Farm Fourwinds)	25° 49' 48" S 27° 40' 12" E	
Frances Baard district		
Frederikstad, 24 km N Potchefstroom (see also: Potchefstroom, 24 km N)	26° 30' 00" S 27° 09' 00" E	
Free State province		
Freredell, Farm (see Farm Freredell)	31° 19' 36" S 26° 40' 58" E	1870 m
Futululu Research Station (see Mfutululu [Forest Station]), St. Lucia	28° 25' 00" S 32° 16' 00" E	45 m
Fynnlands	29° 53' 46" S 31° 01' 36" E	
Gaamsberg (see Gams se Berg)	29° 14' 40" S 18° 58' 23" E	
Gamafefe (see also: Mahune site)	24° 37' 05" S 27° 39' 08" E	
Gamberg (see Gams se Berg)	29° 14' 40" S 18° 58' 23" E	
Game Valley Estates, 17.5 km SSW Richmond, Hella-Hella (see also: Richmond, 17.5 km SSW)	29° 54' 00" S 30° 03' 00" E	
Gamkapoort Nature Reserve	33° 16' 00" S 21° 45' 00" E	
Gams se Berg (see also: Gaamsberg, Gamberg, Gamsberg)	29° 14' 40" S 18° 58' 23" E	
Gamsberg (see Gams se Berg)	29° 14' 40" S 18° 58' 23" E	
Ganyesa	26° 33' 00" S 24° 11' 00" E	1265 m
Garcia Bosreservaat (see Garcia Forest Reserve)	34° 01' 10" S 21° 13' 21" E	160 m
Garcia Forest Reserve, 8.4 km N, 3.0 km W Riversdale (see also: Garcia Bosreservaat, Garcia State Forest, Riversdale, 8.4 km N, 3.0 km W)	34° 01' 10" S 21° 13' 21" E	160 m
Garcia State Forest (see Garcia Forest Reserve)	34° 01' 10" S 21° 13' 21" E	160 m
Garden Castle Nature Reserve (see Garden Castle State Forest), 33 km W of Underberg	29° 47' 00" S 29° 11' 00" E	

Garden Castle State Forest (see also: Garden Castle Nature Reserve, Underberg, 33 km W)		29° 47' 00" S 29° 11' 00" E	
Gardenia, 10 mi [=16 km] S Newcastle (see also: Newcastle, 10 mi [=16 km] S)	ca.	27° 53' 36" S 29° 57' 58" E	
Garies, Klein Namaqualand		30° 33' 00" S 17° 59' 00" E	334 m
Garsfontein, Pretoria		24° 48' 03" S 28° 17' 44" E	1394 m
Gat Koppies (see Gatkop cave), 24 km E Thabazimbi		24° 37' 05" S 27° 39' 08" E	
Gatkop (see Gatkop cave), 24 km E Thabazimbi		24° 37' 05" S 27° 39' 08" E	
Gatkop cave, 24 km E Thabazimbi (see also: Donkerpoort, Farm 448, Farm 448 (Donkerpoort), Farm 449KQ, Farm Zandspruit 449KQ, Gat Koppies, Gatkop, Gatkoppies, Gattis koppies, Jonker Trust Farm, Sandspruit Cave, Sandspruit Cave No. 1, Sandspruit Cave No. 2, Sundspruit cave, Thabazimbi, 24 km E, Thabazimbi, 24 km E, Thabazimbi, 24 km E, Warmbad, 40 mi [=64 km] WNW, Zandspruit Caves, Zandspruit, Farm 449KQ)		24° 37' 05" S 27° 39' 08" E	
Gatkoppies, 5.5 km NE Postmasburg (see also: Postmasburg, 5.5 km NE)		28° 18' 00" S 23° 07' 00" E	
Gatkoppies (see Gatkop cave), 24 km E Thabazimbi		24° 37' 05" S 27° 39' 08" E	
Gattis koppies (see Gatkop cave), Vaalwater		24° 37' 05" S 27° 39' 08" E	
Gauteng province			
Geelbek Farm (see Farm Geelbek), Langebaan		33° 12' 00" S 18° 08' 00" E	
Geluk, Farm (see Farm Geluk), Harrismith		27° 52' 00" S 28° 52' 00" E	
George, 1.6 km N, 5.9 km E (see Saasveld)		33° 57' 00" S 22° 31' 00" E	213 m
Gerlachshoop			
Gert Sibande district			
Gezantombi waterhole, 3 km N Crocodile bridge (see also: Crocodile bridge, 3 km N)		25° 20' 00" S 31° 52' 00" E	
Ghost Mountain		27° 37' 00" S 32° 05' 00" E	
Giant's Castle Game and Nature Reserve (see Giant's Castle Game Reserve)		29° 14' 00" S 29° 29' 00" E	
Giant's Castle Game Reserve (see also: Giant's Castle Game and Nature Reserve, Giants Castle Wildreserve)		29° 14' 00" S 29° 29' 00" E	
Giants Castle Wildreserve (see Giant's Castle Game Reserve)		29° 14' 00" S 29° 29' 00" E	
Giel de Wet Park (see also: Thaba Nchu)		29° 07' 30" S 26° 37' 30" E	
Gillets (see Gillitts)		29° 46' 41" S 30° 47' 49" E	
Gilletts (see Gillitts), Durban		29° 46' 41" S 30° 47' 49" E	
Gillitts, Durban (see also: Gillets, Gilletts, Gillitts-Emberton)		29° 48' 00" S 30° 48' 00" E	
Gillitts-Emberton (see Gillitts), Durban		29° 46' 41" S 30° 47' 49" E	
Girivana cave (see also: Ngirivana cave)		24° 21' 26" S 31° 41' 26" E	
Gladstone		30° 17' 00" S 28° 25' 00" E	1425 m
Gladstone's Nose [mountain]		29° 24' 00" S 29° 39' 00" E	
Gladysvale, Farm (see Farm Gladysvale), 20 mi [=32 km] NNE Krugersdorp		25° 54' 00" S 27° 46' 00" E	1527 m
Glen, 15 mi N [=24 km] Bloemfontein (see also: Bloemfontein, 15 mi [=24 km] N)		28° 56' 00" S 26° 20' 00" E	
Glen Anil		29° 45' 07" S 31° 02' 13" E	
Glen Reenen, Golden Gate		28° 31' 00" S 28° 37' 00" E	2175 m
Glenashley		29° 45' 39" S 31° 03' 04" E	103 m
Glengarry Park, 26 km W Rosetta, near Kamberg (see also: Rosetta, 26 km W)		30° 15' 00" S 29° 36' 00" E	
Glenhills		29° 47' 00" S 31° 02' 00" E	
Gleniffer, Farm (see Farm Gleniffer)		32° 42' 42" S 27° 34' 55" E	660 m
Glenmore		29° 35' 15" S 30° 58' 08" E	43 m
Glenwood		29° 50' 00" S 31° 00' 00" E	
Gloria		31° 07' 00" S 26° 52' 00" E	
Godeni, E		28° 05' 00" S 32° 02' 00" E	450 m
Goedhoek, Farm (see Farm Goud Hoek), Babanango		28° 23' 00" S 31° 04' 00" E	
Goegab [farmstead] (see also: Goegap [farmstead])		29° 42' 00" S 18° 02' 00" E	
Goegap [farmstead] (see Goegab [farmstead])		29° 42' 00" S 18° 02' 00" E	
Goegap Nature Reserve, Springbok		29° 40' 00" S 17° 59' 00" E	
Golden Gate Highlands National Park (see also: Golden Gate Nature Reserve, Mount Pierre se kloof, Qwa-Qwa National Park, Wonderhoek se kloof)		28° 30' 15" S 28° 36' 09" E	
Golden Gate Nature Reserve (see Golden Gate Highlands National Park)		28° 31' 00" S 28° 37' 00" E	

Good house Bay (see Goodhouse)		28° 54' 45" S 18° 12' 39" E	650 ft
Goodhope, Farm (see Farm Goodhope)		23° 57' 00" S 29° 54' 00" E	1500 m
Goodhouse, banks of Orange river (see also: Good house Bay)		28° 54' 45" S 18° 12' 39" E	650 ft
Goodhouse, Farm 23 (see Farm Goodhouse 23), Goodhouse		28° 54' 00" S 18° 15' 00" E	210 m
Goraas, Farm FrQ 2.9 (see Farm Goraas FrQ 2.9), 62 km W Carnarvon		31° 11' 00" S 21° 32' 00" E	
Gorge Rest Camp		23° 59' 56" S 31° 49' 24" E	
Goud Hoek, Farm (see Farm Goud Hoek), Babanango		28° 23' 00" S 31° 04' 00" E	
Goudhoek, Farm (see Farm Goud Hoek), Babanango		28° 23' 00" S 31° 04' 00" E	
Goukamma Nature Reserve, 3.0 km S, 10.0 km W Knysna (see also: Knysna, 3.0 km S, 10.0 km W, Knysna, 3.8 km S, 9,3 km W)		34° 03' 00" S 22° 56' 00" E	30 m
Gouna, Farm (see Farm Visagierus), Williston, SW		31° 31' 00" S 20° 30' 00" E	3600 ft
Graaf Reinet (see Graaff-Reinet)		32° 13' 48" S 24° 33' 00" E	718 m
Graaff Reinet, 23 mi [=37 km] SE		32° 27' 00" S 24° 45' 00" E	
Graaff Reinet, 27 mi [=43 km] W (see Farm De Vrede)		32° 13' 03" S 24° 12' 26" E	
Graaff-Reinet (see also: Graaf Reinet)		32° 13' 48" S 24° 33' 00" E	718 m
Graaff-Reinet Nature Conservatory, 3.0 km E Graaff-Reinet (see also: Graaff-Reinet, 3.0 km E)		32° 15' 00" S 24° 34' 00" E	675 m
Graaff-Reinet, 27.5 km N, 6 km E (see Abbotsbury)		32° 00' 14" S 24° 31' 08" E	1300 m
Graaff-Reinet, 28 mi [=45 km] N (see Koloniesplaas)		31° 59' 34" S 24° 47' 58" E	
Graaff-Reinet, 3.0 km E (see Graaff-Reinet Nature Conservatory)		32° 15' 00" S 24° 34' 00" E	675 m
Grahamstad (see Grahamstown)		33° 18' 00" S 26° 32' 00" E	500 m
Grahamstown (see also: Grahamstad)		33° 18' 00" S 26° 32' 00" E	500 m
Grahamstown, 1.5 km S, 1.2 km E (see Farm Waterloo)		33° 19' 26" S 26° 32' 18" E	610 m
Grahamstown, 11 mi [=17.7 km] SSW (see Farm Mosslands)		33° 24' 23" S 26° 25' 45" E	
Grahamstown, 19.2 km N, 18.3 km E (see Andries Vosloo Kudu Resserve)		33° 08' 12" S 26° 43' 17" E	460 m
Grahamstown, 19.9 km N, 8.6 km E (see Fort Brown Police Station)		33° 07' 49" S 26° 37' 05" E	270 m
Grahamstown, 5 km S, 5 km E (see Farm Stones Hill)		33° 20' 00" S 26° 34' 00" E	430 m
Gramstown			
Graspan, Farm 60 (see Farm Graspan 60), Kroonstad		27° 48' 00" S 26° 58' 00" E	
Gravelotte Mine, Phalaborwa / Letaba		23° 57' 00" S 30° 37' 00" E	
Greater Sekhujhune district (see Sekhukhune district)			
Greater St. Lucia Wetland Park (see Eastern Shores State Forest)		28° 11' 00" S 32° 29' 00" E	
Greefswald [=Mapungubwe] (see Farm Greefswald 37MS), 75 km W Messina		22° 12' 00" S 29° 23' 00" E	
Greefswald, Farm 37MS (see Farm Greefswald 37MS), 67 km W Messina; Shashi-Limpopo confluence		22° 12' 00" S 29° 23' 00" E	
Green River, 5.2 km S, 9.6 km W King William's Town (see also: King William's Town, 5.2 km S, 9.6 km W)		32° 55' 00" S 27° 18' 00" E	400 m
Greenpoint Lighthouse		30° 14' 57" S 30° 46' 38" E	
Greenwood Park		29° 47' 00" S 31° 01' 00" E	
Greytown		29° 06' 36" S 30° 36' 36" E	1015 m
Greyville		29° 50' 29" S 31° 00' 56" E	
Griekwastad, 25 km NNE (see Farm Brakfontein)		28° 41' 00" S 23° 22' 00" E	
Griffin mine, Phalaborwa-Leydsdorp		23° 59' 00" S 30° 31' 00" E	
Groedehoop, Farm (see Farm Groedehoop)		27° 52' 00" S 30° 55' 00" E	1050 m
Groendal Staatsbos, 10 km WNW Uitenhage (see also: Groendal Wilderness Area, Uitenhage, 10 km WNW)		33° 42' 00" S 25° 14' 00" E	
Groendal Wilderness Area (see Groendal Staatsbos), 10 km WNW Uitenhage		33° 42' 00" S 25° 14' 00" E	
Groenkloof, Pretoria		25° 48' 00" S 28° 12' 00" E	
Groot Marico, 8 km SE (see Farm Ferndale)		25° 38' 00" S 26° 24' 00" E	
Groot River, near Knysna	ca.	34° 00' 00" S 23° 00' 00" E	
Groot Suikerboschkop, Farm 124 (see Farm Groot Suikerboschkop 124), Dullstroom		25° 24' 36" S 30° 06' 00" E	
Groote Drift, Farm (see Farm Groote Drift), SE Elandsbaai, Piketburg		32° 26' 00" S 18° 27' 00" E	10 m
Grootfontein, Farm (see Farm Grootfontein), 9 (or 19?) km SW Reivilo		27° 39' 00" S 24° 00' 00" E	
Groothoek, Farm 99 (see Farm Groothoek 99), 25 km ESE Potgietersrus		24° 21' 00" S 29° 07' 48" E	
Grootkloof, Magaliesburg		25° 10' 00" S 27° 06' 00" E	

Grootkloof, near Magaliesburg		25° 10' 35" S 27° 05' 53" E	
Grootsuikerboschkop, Farm & Elandslaagte, Farm (see Farms Grootsuikerboschkop & Elandslaagte), Dullstroom	ca.	25° 24' 00" S 30° 06' 00" E	
Grootsuikerboschkop, Farm 124 (see Farm Groot Suikerboschkop 124), Dullstroom		25° 24' 36" S 30° 06' 00" E	
Grootvadersbosch, Montagu / Swellendam		33° 50' 00" S 20° 53' 00" E	
Grootvadersbosch Forest Reserve, 22 km NW Heidelberg (see also: Heidelberg, 22 km NW)		34° 02' 00" S 20° 46' 00" E	
Guano cave, Storms river mouth, 2 km S		34° 02' 00" S 23° 53' 00" E	
Guano Caves, Farm 163 (see Farm Guano Caves 163)		33° 49' 58" S 20° 10' 28" E	420 m
Guono Cave (see also: Stormsriver Mouth, 2 km S)			
Gwalali		22° 24' 00" S 31° 18' 00" E	219 m
Gwalali Army camp, Limpopo-Levuvhu river confluence		22° 24' 00" S 31° 17' 00" E	
Haenersburg (see Haenertsburg), Georges valley		23° 56' 00" S 29° 57' 00" E	1461 m
Haenertsburg, Georges valley (see also: Haenersburg)		23° 56' 00" S 29° 57' 00" E	1461 m
Haenertsburg, 10 km SE (see New Agatha State Forest)		24° 02' 00" S 30° 05' 00" E	
Haffenden Heights, Farm 35KT (see Farm Haffenden Heights 35KT)		24° 07' 00" S 30° 10' 00" E	
Hankey district (see Cacadu district)			
Hankey,1.3 km N, 3.5 km W		33° 49' 13" S 24° 50' 48" E	50 m
Hanover, Uilfontein		31° 04' 00" S 24° 27' 00" E	1387 m
Hans Merensky Nature Reserve, Giyani (see also: Hans Merensky Naturreservaat, Letsitele, 30 km NE)		23° 41' 00" S 30° 41' 00" E	
Hans Merensky Naturreservaat (see Hans Merensky Nature Reserve), Giyani		23° 41' 00" S 30° 41' 00" E	
Hans Strydom Dam Nature Reserve		24° 00' 00" S 27° 46' 00" E	
Happy Thoughts Gold Mine		30° 17' 00" S 30° 36' 00" E	
Harkverville Forest		34° 02' 59" S 23° 13' 03" E	
Harmony, Farm 140KT (see Farm Harmony 140KT)		24° 16' 22" S 30° 36' 50" E	
Harold Johnson Nature Reserve, 8.5 km S Mandini (see also: Mandini, 8.5 km S)		29° 12' 00" S 31° 25' 36" E	
Harold Porter Botanical Reserve, 0.5 km S, 10.1 km W Kleinmond (see also: Kleinmond, 0.5 km S, 10.1 km W)		34° 20' 49" S 18° 55' 33" E	60 m
Harrismith		28° 22' 30" S 29° 07' 30" E	
Harrismith district		28° 22' 30" S 29° 07' 30" E	
Hartbees Fontein Camp, Kingfisherspruit area		24° 23' 56" S 31° 27' 42" E	
Hartbeesfontein, Farm 603 KQ (see Farm Hartbeesfontein 603 KQ)		24° 47' 04" S 27° 45' 49" E	1182 m
Hartburg			
Hartburg Bambi			
Hartebeesfontein, Farm 473 JQ (see Farm Fourwinds)		25° 49' 48" S 27° 40' 12" E	
Hartebeespoort dam, 10 mi [=16 km] W (see Kranskop)		25° 45' 00" S 27° 51' 00" E	
Hartebeesthoek, Farm (see Farm Hartebeesthoek), 48 km SE Thabazimbi		24° 47' 00" S 27° 45' 00" E	
Hartswater		27° 46' 00" S 24° 49' 00" E	1124 m
Hatfield, Pretoria		25° 44' 48" S 28° 13' 23" E	
Hathaway, Hillcrest, Wishart Road, 26		29° 47' 00" S 30° 46' 00" E	
Hautbosdorp, 2 mi [=3.2 km] E (see Houtbosdorp, 2 mi [=3.2 km] E)	ca.	23° 48' 55" S 29° 53' 59" E	
Hay, 24.5 km NE (see Farm Brakfontein)		28° 41' 00" S 23° 22' 00" E	
Hazelmere Dam		29° 35' 00" S 31° 02' 00" E	
Hazelmere Dam Nature Reserve, Durban, Verulam		29° 36' 03" S 31° 02' 29" E	
Hectorspruit, Nelspruit		25° 26' 00" S 31° 41' 00" E	245 m
Hectorspruit, 10 km NE (see Ten Bosch Estates)		25° 20' 00" S 31° 50' 00" E	
Hectorspruit, Farm (see Farm Hectorspruit), Barbeton		25° 26' 00" S 31° 40' 00" E	
Heidelberg, 16 km W (see Suikerbosrand Nature Reserve)		26° 30' 00" S 28° 13' 00" E	1668 m
Heidelberg, 22 km NW (see Grootvadersbosch Forest Reserve)		34° 02' 00" S 20° 46' 00" E	
Heilbron, Moscow [274]		27° 17' 00" S 27° 58' 00" E	
Hekpoort, Farm (see Farm Hekpoort), Thambazimbi / Witwatersberg		24° 44' 00" S 27° 37' 00" E	
Helena, Farm 780 (see Farm Helena 780), Vredefort		26° 53' 00" S 27° 23' 00" E	
Hella Hella Game Reserve (see Hella Hella Game Valley)		29° 54' 00" S 30° 05' 00" E	564 m
Hella Hella Game Valley (see also: Hella Hella Game Reserve, Hella-Hella Game Valley Estates)		29° 54' 00" S 30° 05' 00" E	564 m
Hella-Hella Game Valley Estates (see Hella Hella Game Valley), Richmond		29° 54' 00" S 30° 05' 00" E	564 m
Hells Gate [marine channel] (see also: Hells Gate Military Base)		28° 02' 35" S 32° 25' 45" E	39 m

Hells Gate Military Base (see Hells Gate [marine channel])	28° 02' 35" S 32° 25' 45" E	39 m
Hennops River [farmstead], Pretoria-Verwoedburg	25° 49' 34" S 27° 59' 05" E	
Hennops River, Farm 489 (see Farm Hennops River 489), Pretoria	25° 51' 00" S 27° 58' 00" E	
Hennopsriver, Farm 489 (see Farm Hennopsriver 489), Pretoria	25° 50' 00" S 27° 58' 00" E	
Hennopsrivier, Farm 489 (see Farm Hennops River 489), Pretoria	25° 51' 00" S 27° 58' 00" E	
Herbertsdale	34° 01' 00" S 21° 45' 00" E	100 m
Hermitage Farm (see Farm Hermitage), Phalaborwa	24° 34' 00" S 31° 24' 00" E	
Hermitagie camp (see Farm Hermitage), Phalaborwa	24° 34' 00" S 31° 24' 00" E	
Hertzogville (see Boshof)	28° 33' 00" S 25° 14' 00" E	1254 m
Hester Malan Nature Reserve (see Hester Malan Veldblomreservaat)	29° 40' 00" S 18° 02' 00" E	1100 m
Hester Malan Veldblomreservaat (see also: Hester Malan Nature Reserve, Hester Malan Wild Flower Reserve, Springbok, 10.0 km E)	29° 39' 00" S 17° 59' 00" E	1100 m
Hester Malan Wild Flower Reserve (see Hester Malan Veldblomreservaat)	29° 40' 00" S 18° 02' 00" E	1100 m
Het Kruis	32° 36' 00" S 18° 45' 00" E	100 m
Hex River Estates, 10 mi [=16 km] N Citrusdal (see also: Citrusdal, 10 mi [=16 km] N)	33° 28' 00" S 18° 59' 00" E	200 m
Hexrivier, Farm 405 (see Farm Hexrivier 405)	29° 39' 00" S 26° 10' 00" E	
Hiabisa (see Hlabisa)	28° 08' 00" S 31° 52' 00" E	460 m
Highbury Farm	32° 35' 00" S 27° 41' 00" E	600 m
Hilda, Farm [=V.L.NR.] (see Farm Hilda [=V.L.NR.]), 32 km NE Alldays	22° 19' 00" S 29° 14' 00" E	
Hilgobbin Dargler	29° 25' 00" S 30° 06' 00" E	
Hillary	29° 53' 00" S 30° 57' 00" E	
Hillary area, Durban	29° 53' 00" S 30° 57' 00" E	115 m
Hillcrest, off Falcon Road	29° 46' 00" S 30° 46' 00" E	
Hillside Farm	23° 00' 59" S 29° 47' 14" E	1190 m
Hilton, Pietermartzburg (see also: Hilton Railway tunnel)	29° 31' 00" S 30° 18' 00" E	1140 m
Hilton Railway tunnel (see Hilton), Pietermaritzburg	29° 31' 00" S 30° 18' 00" E	1140 m
Himeville	29° 45' 00" S 29° 30' 00" E	1579 m
Himeville, 45 km N (see Lotheni Nature Reserve)	29° 27' 00" S 29° 32' 00" E	1580 m
Hlabeni Forest Reserve, 15 km W Donnybrook (see also: Donnybrook, 15 km W)	29° 57' 00" S 29° 46' 00" E	1318 m
Hlabisa (see also: Hiabisa)	28° 08' 00" S 31° 52' 00" E	460 m
Hlabisa, 6 km NNE (see Dukuduku State Forest)	28° 23' 00" S 32° 19' 00" E	
Hlanganini dam (see Nhlanganini dam), 11 km SW Letaba	23° 55' 18" S 31° 31' 05" E	
Hlatikulu Forest Reserve	27° 19' 25" S 31° 59' 21" E	658 m
Hluhluwe Game Reserve (see also: Hluhluwe Reserve, Hluhluwe Wildtuin)	28° 05' 00" S 32° 05' 00" E	
Hluhluwe Research camp	28° 04' 00" S 32° 02' 00" E	
Hluhluwe Reserve (see Hluhluwe Game Reserve)	28° 05' 00" S 32° 05' 00" E	
Hluhluwe Village, 5 km S (see Bonamanzi Game Reserve)	28° 06' 00" S 32° 18' 00" E	63 m
Hluhluwe Wildtuin (see Hluhluwe Game Reserve)	28° 05' 00" S 32° 05' 00" E	
Hluhluwe-Imfolozi Game Reserve	28° 05' 00" S 32° 05' 00" E	
Hluhluwe-Imfolozi Park, HQ	28° 04' 08" S 32° 02' 02" E	
Hluleka Nature Reserve, 17.5 km N, 14.4 km E Coffee Bay (see also: Coffee Bay, 17.5 km N, 14.4 km E)	31° 49' 31" S 29° 18' 13" E	10 m
Hoed [farmstead] (see Hoedspruit [farmstead]), Phalaborwa	24° 26' 00" S 31° 02' 00" E	
Hoedspruit [farmstead], Phalaborwa (see also: Hoed [farmstead])	24° 26' 00" S 31° 02' 00" E	
Hollebaks Strandfontein, 10.2 km S, 26.3 km W Vredendal (see also: Vredendal, 10.2 km S, 26.3 km W)	31° 45' 18" S 18° 13' 52" E	50 m
Honingkloof Farm	28° 30' 41" S 28° 42' 44" E	
Hoopstad, Sandveld Nature Reserve	27° 50' 00" S 25° 55' 00" E	1240 m
Hopefield (see also: WCNP, Bottelary)	33° 04' 00" S 18° 21' 00" E	56 m
Hopefield (see Hopefield Estate)	28° 37' 11" S 23° 19' 46" E	1532 m
Hopefield Estate (see also: Hopefield)	28° 37' 11" S 23° 19' 46" E	1532 m
Hopefield mine (see Elandsfontein Phosphate mine)	33° 05' 46" S 18° 11' 59" E	
Hopefield, 16 km N (see Farm Kersefontein)	32° 54' 13" S 18° 19' 51" E	
Horo	25° 37' 00" S 31° 22' 00" E	

Hotazel, 15 km WNW (see Farm Olivewood 284)		27° 12' 00" S 22° 48' 00" E	
Hout Bay (see Houtbaai)		34° 04' 00" S 18° 22' 00" E	
Houtbaai		34° 04' 00" S 18° 22' 00" E	
(see also: Hout Bay)			
Houtboschdorp, 2 mi [=3.2 km] E (see Houtbosdorp, 2 mi [=3.2 km] E)	ca.	23° 48' 55" S 29° 53' 59" E	
Houtbosdorp, 2 mi [=3.2 km] E	ca.	23° 48' 55" S 29° 53' 59" E	
(see also: Hautbosdorp, 2 mi [=3.2 km] E, Houtboschdorp, 2 mi [=3.2 km] E)			
Howell Davies Cave (see Farm Modderfontein), 24 km SE Potgietersrus		24° 20' 00" S 29° 12' 00" E	
Howick		29° 28' 00" S 30° 14' 00" E	
(see also: Howick Village)			
Howick Village (see Howick)		29° 28' 00" S 30° 14' 00" E	
Howick, 13 mi [=21 km] from (see Karkloof Forests)		29° 24' 00" S 30° 17' 00" E	
Huhea cave		22° 56' 14" S 30° 06' 21" E	
Humansdorp, 1.0 km N, 80.1 km W (see Storms River Mouth)		34° 01' 05" S 23° 54' 19" E	50 m
Humansdorp, 82 km W (see Stormsrivier-Bosreservaat)		33° 57' 00" S 23° 50' 00" E	
Hutted camp, Port Shepstone		30° 43' 00" S 30° 16' 00" E	
Huwi Private Nature Reserve		23° 45' 00" S 27° 50' 00" E	
iLembe district			
Illovo		30° 05' 42" S 30° 49' 52" E	48 m
(see also: Illovo South)			
Illovo South (see Illovo)		30° 05' 42" S 30° 49' 52" E	48 m
Imperial mine (see Louw's Creek), Barberton		25° 38' 00" S 31° 17' 00" E	380 m
Inanda Dam		29° 42' 01" S 30° 52' 01" E	
In-de-Diepte, Farm 164JT (see Farm In-de-Diepte 164JT)		25° 43' 00" S 30° 01' 00" E	
Ingwavuma [ridge]		27° 08' 00" S 32° 00' 00" E	
Ingwavuma, Border cave		27° 01' 13" S 31° 59' 18" E	527 m
Ingwenya, Farm 409SU (see Farm Ingwenya 409SU)		27° 20' 00" S 31° 57' 43" E	185 m
Inkomati River, Kangwane		25° 50' 00" S 32° 45' 00" E	
Inkwazi Training Centre		27° 52' 18" S 32° 20' 38" E	60 m
Inquibica River bed	ca.	32° 49' 00" S 26° 59' 00" E	
Insizwe Mine, 0.3 km N, 8.9 km W Mount Ayliff		30° 48' 13" S 29° 16' 52" E	1140 m
(see also: Ayliff, mount, 0.3 km N, 8.9 km W, Mount Ayliff, 0.3 km N, 8.9 km W)			
Insusie Valley (see Nsuze river)		28° 51' 00" S 31° 02' 00" E	
Insuzi river (see Nsuze river)		28° 51' 00" S 31° 02' 00" E	
Insuzi valley (see Jususie valley), Zululand, 20 mi [=32 km] NW Eshowe	ca.	28° 36' 00" S 31° 28' 00" E	
Interior of Caffraria			
Inverary (see Farm Inverary)			
Ipheva camp site, St. Lucia, 2 km N St. Lucia Village		28° 21' 11" S 32° 25' 50" E	20 m
(see also: Iphiva Camp, St. Lucia Village, 2 km N)			
Iphiva Camp (see Ipheva camp site)		28° 21' 00" S 32° 25' 00" E	20 m
Irene		25° 52' 08" S 28° 12' 59" E	1469 m
(see also: Agricultural Research Council [=ARC] grounds, Cave of Death, Irene cave)			
Irene cave (see Irene), Pretoria		25° 52' 08" S 28° 12' 59" E	1469 m
Isidenge Bosboustasie (see Isidenge Forest Station)		32° 40' 22" S 27° 10' 14" E	1000 m
Isidenge Forest Station, 11.4 km S, 13.5 km W Stutterheim		32° 40' 22" S 27° 10' 14" E	1000 m
(see also: Isidenge Bosboustasie, Stutterheim, 11.4 km S, 13.5 km W;)			
Isimangaliso Wetland Park	ca.	28° 12' 00" S 32° 30' 00" E	
Isipingo, 5 km S Durban		29° 59' 00" S 30° 56' 00" E	
(see also: Durban, 5 km S)			
Itala Game Reserve (see Ithala Game Reserve)		27° 33' 36" S 31° 12' 36" E	922 m
Itala National Park (see Ithala Game Reserve)		27° 33' 36" S 31° 12' 36" E	922 m
Itala Nature Reserve, 10 km NW Louwsburg		27° 33' 36" S 31° 12' 36" E	
Ithala Game Reserve, 50 km SW Pongola		27° 33' 36" S 31° 12' 36" E	922 m
(see also: Itala Game Reserve, Itala National Park, Ithala Game Reserve, Main Camp, Ithala Nature Reserve, Louwsburg, 10 km NW, Pongola, 50 km SW)			
Ithala Game Reserve, Main Camp (see Ithala Game Reserve)		27° 32' 46" S 31° 18' 49" E	
Ithala Game Reserve, sandstone cave	ca.	27° 33' 36" S 31° 12' 36" E	
Ithala Nature Reserve (see Ithala Game Reserve), 9 km NE Louwsburgh		27° 33' 36" S 31° 12' 36" E	922 m
Izele (Farmstead), near King William's Town		32° 49' 00" S 27° 24' 00" E	450 m
(see also: Izele convent, Zele convent)			
Izele convent (see Izele (Farmstead))		32° 49' 00" S 27° 24' 00" E	450 m
Izeleni Plantation		32° 41' 00" S 27° 25' 00" E	900 m

J.G. Strijdomdam (see Pongolapoortdam), Pongola, Jozini		27° 25' 00" S 31° 58' 00" E	122 m
Jack Scott Private Nature Reserve (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
Jacobsdal, Subdivision 1 of Wagenmakersdrift		29° 08' 00" S 24° 46' 00" E	1102 m
Jagersfontein, Ooskloof 20		29° 46' 00" S 25° 25' 00" E	1436 m
Jagersfontein Commonage, Disused mine		29° 39' 00" S 25° 23' 00" E	
Jamestown, Gloria, Subdivision of Farm Olyvekloof 184		31° 07' 00" S 26° 48' 00" E	1623 m
Jan Kemp (see Jan Kempdorp), Agriculture station		27° 55' 00" S 24° 51' 00" E	
Jan Kempdorp, Agriculture station (see also: Andalusia, Jan Kemp, Jankempdorp)		27° 55' 00" S 24° 51' 00" E	
Jan Smit Steel Works, near, Pretoria North			
Jane Furse Hospital, Middleburg		25° 52' 00" S 29° 23' 00" E	
Jankempdorp (see Jan Kempdorp), Agriculture station		27° 55' 00" S 24° 51' 00" E	
Jansenville, 8 mi [=12.9 km] NE	ca.	32° 57' 00" S 24° 41' 00" E	
Jesser Point, 2.5 km S (see Sodwana Bay)		27° 33' 00" S 32° 40' 00" E	20 m
Johannesburg		26° 12' 00" S 28° 05' 00" E	1765 m
John Nash Nature Reserve (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
Jonker Trust Farm (see Gatkop cave)		24° 37' 05" S 27° 39' 08" E	
Jonkershoek Forest Reserve (see Jonkershoek Staatsbos), 10 km SE Stellenbosch		33° 57' 44" S 18° 55' 37" E	
Jonkershoek Nature Conservation Research Station (see Jonkershoek Staatsbos)		33° 57' 44" S 18° 55' 37" E	
Jonkershoek Nature Reserve (see Jonkershoek Staatsbos), 10 km SE Stellenbosch		33° 57' 44" S 18° 55' 37" E	
Jonkershoek research station (see Jonkershoek Staatsbos)		33° 57' 44" S 18° 55' 37" E	
Jonkershoek Staatsbos, 10 km SE Stellenbosch (see also: Jonkershoek Forest Reserve, Jonkershoek Nature Conservation Research Station, Jonkershoek Nature Reserve, Jonkershoek research station, Stellenbosch, 10 km SE)		33° 57' 44" S 18° 55' 37" E	
Joubertina, 5.0 km N, 11.0 km E (see Farm Uitvlug)		33° 49' 00" S 24° 01' 00" E	550 m
Jozini (see also: Jozini village)		27° 26' 00" S 32° 04' 00" E	
Jozini Dam (see Pongolapoortdam), Pongola, Jozini		27° 25' 00" S 31° 58' 00" E	122 m
Jozini reservoir (see Pongolapoortdam), Pongola, Jozini		27° 25' 00" S 31° 58' 00" E	122 m
Jozini village (see Jozini)		27° 26' 00" S 32° 04' 00" E	
Jozini, lake (see Pongolapoortdam), Pongola, Jozini		27° 25' 00" S 31° 58' 00" E	122 m
Jususie valley, Zululand, 20 mi [=32 km] NW Eshowe (see also: Eshowe, 20 mi [=32 km] NW, Insuzi valley)	ca.	28° 36' 00" S 31° 28' 00" E	
Kaalfontein, Farm 261 (see Farm Kaalfontein 261), 37 km NW Potgietersrus		24° 15' 00" S 28° 24' 00" E	
Kaalrug		25° 36' 00" S 31° 33' 00" E	
Kaap provincie (see Cape province)			
Kaap river		25° 32' 00" S 31° 19' 00" E	
Kaapse Hoop, Farm Drysdale		25° 33' 00" S 30° 46' 00" E	
Kaapse Skiereiland (see Cape Peninsula)		34° 10' 00" S 18° 20' 00" E	
Kaapstad (see Cape Town)		33° 55' 00" S 18° 25' 00" E	6 m
Kabbefontein (see Krabbefontein), Soutpansberg	ca.	23° 03' 00" S 29° 54' 00" E	
Kabusi Forest, 2 km W Stutterheim (see also: Stutterheim, 2 km W)		32° 31' 00" S 27° 15' 30" E	
Kabusi Forest station, 12 km W Stutterheim (see also: Stutterheim, 12 km W)		32° 35' 00" S 27° 17' 00" E	
Kaffraria (see Caffraria)			
Kaffraria, Farm (see also: Farm Kaffraria)		27° 48' 00" S 25° 07' 00" E	
Kaggasmondt (see Kaggasmoudt)		32° 52' 30" S 26° 14' 20" E	490 m
Kaggasmoudt (see also: Kaggasmondt)		32° 52' 30" S 26° 14' 20" E	490 m
Kakamas, 20.5 km NW (see Farm Northern Kakamas)		28° 39' 00" S 20° 26' 00" E	
Kakamas, 47 km NW		28° 27' 00" S 20° 19' 00" E	
Kalahari Gemsbok Game Reserve (see Kalahari Gemsbok National Park)		25° 41' 00" S 20° 20' 00" E	
Kalahari Gemsbok National Park (see also: Kalahari Gemsbok Game Reserve, Nasionale Kalahari Gemsbok-Wildtuin)		25° 41' 00" S 20° 20' 00" E	
Kalkfontein, Farm 111KP (see Madikwe Game Reserve)		24° 45' 58" S 26° 22' 16" E	
Kalkoenkrans Cave (see Farm Victoriaspoort 18IT)		26° 02' 00" S 30° 19' 00" E	
Kamberg Nature Reserve		29° 29' 00" S 29° 41' 00" E	1800 m
Kamberg Valley		29° 45' 04" S 29° 21' 49" E	
Kameelsleep, Nassob [=Nossob camp] (see also: Nossob camp)		25° 50' 00" S 20° 44' 00" E	

Kamferboom, 20 mi [=32 km] NW Twee Rivieren (see also: Kamfersboom, Twee Rivieren, 20 mi [=32 km] NW)		26° 07' 00" S 20° 37' 00" E	
Kamfersboom (see Kamferboom), 20 mi [=32 km] NW Twee Rivieren		26° 07' 00" S 20° 37' 00" E	
Kammannassie M.C.A [Camp 2], 8 km SE Dysselsdorp (see also: Dysselsdorp, 8 km SE)		33° 36' 00" S 22° 33' 00" E	
Kanaan, Hazyview, near		25° 04' 00" S 31° 06' 00" E	ca. 557 m
Kap Kap Farm		30° 15' 00" S 18° 26' 00" E	975 m
Kareedouw, 5.0 km S, 15.5 km W (see Witels Forest Reserve)		33° 59' 47" S 24° 07' 37" E	240 m
Kareedouw, 7.6 km S, 39.0 km W		34° 01' 13" S 23° 52' 14" E	5 m
Kareedouw, 9,0 km S, 28.7 km W		34° 02' 00" S 23° 59' 00" E	50 m
Kareepoort, Farm (see Farm Kareepoort), Philippolis		30° 15' 00" S 25° 04' 00" E	
Karkloof Forests, 13 mi Howick (see also: Howick, 13 mi [=21 km] from)		29° 24' 00" S 30° 17' 00" E	
Karoo National Park, 9 km NW Beaufort West (see also: Beaufort West, 2 km NW, Beaufort West, 9 km NW)		32° 20' 00" S 22° 33' 00" E	
Kastrol Nek (see Kastrolnek), Wakkerstroom		27° 17' 00" S 30° 17' 00" E	
Kastrolnek, Wakkerstroom (see also: Kastrol Nek)		27° 17' 00" S 30° 17' 00" E	
Katrina, Farm (see Farm Katrina)		27° 39' 00" S 25° 36' 00" E	
Kei Road		32° 42' 20" S 27° 32' 50" E	680 m
Keikamspoort, Farm 71 (see Farm Keikamspoort 71), 20 km SE Prieska		29° 53' 00" S 22° 52' 00" E	
Kempton Park (see Birchleig)		26° 06' 00" S 28° 15' 00" E	
Kenilworth		33° 59' 00" S 18° 28' 00" E	
Kenneth Stainbank Nature Reserve		29° 55' 00" S 30° 56' 00" E	
Kensington		29° 46' 45" S 31° 02' 32" E	
Kersbos, Farm (see Farm Kersbos), 10 km NNE Bitterfontein		30° 57' 00" S 18° 12' 00" E	
Kersefontein, Farm (see Farm Kersefontein), 16 km N Hopefield		32° 54' 13" S 18° 19' 51" E	
Keurbooms Nature Reserve, 6 km N, 2.5 km E Plettenberg Bay (see also: Keurboomsrivier Nature Reserve, Plettenberg Bay, 6 km N, 2.5 km E)		34° 00' 00" S 23° 24' 00" E	20 m
Keurboomsrivier Nature Reserve (see Keurbooms Nature Reserve)		34° 00' 00" S 23° 24' 00" E	20 m
Kgalagadi district			
Kgaswane Nature Reserve (see also: Baviaanskrans, Farm 308JQ, Farm 308JQ (Baviaanskrans), Farm Baviaanskrans 308JQ)		25° 43' 13" S 27° 11' 07" E	
Khamkirri Private Game Reserve, site 1, Kakamas, NW		28° 39' 07" S 20° 26' 45" E	
Khamkirri Private Game Reserve, site 2, Kakamas, NW		28° 38' 59" S 20° 26' 39" E	
Khayalami Bay	ca.	29° 25' 34" S 30° 23' 39" E	663 m
Kimberley		28° 48' 00" S 24° 46' 00" E	
King William's Town (see also: King Williamstown)		32° 53' 00" S 27° 24' 00" E	363 m
King William's Town, 1.4 km S, 5.2 km E (see Breidbach)		32° 53' 31" S 27° 26' 42" E	380 m
King William's Town, 13.9 km N, 9.9 km W (see Pirie Trout hatchery)		32° 45' 05" S 27° 17' 14" E	560 m
King William's Town, 16 km NW (see Pirie Mission)		32° 47' 00" S 27° 13' 00" E	728 m
King William's Town, 17.7 km N, 9.5 km W (see Sandile's Cave)		32° 43' 00" S 27° 17' 30" E	800 m
King William's Town, 18.2 km S, 14.9 km W		33° 02' 29" S 27° 13' 56" E	244 m
King William's Town, 20 km NNW (see Sandile's Cave)		32° 42' 00" S 27° 16' 00" E	800 m
King William's Town, 5.2 km S, 9.6 km W (see Green River)		32° 55' 00" S 27° 18' 00" E	400 m
King Williamstown (see King William's Town), 100 km NE Grahamstown		32° 53' 00" S 27° 24' 00" E	363 m
Kingsborough (see also: Kingsburgh)		30° 05' 00" S 30° 52' 00" E	0 m
Kingsburgh (see Kingsborough)		30° 05' 00" S 30° 52' 00" E	
Kingspark		29° 49' 31" S 31° 01' 50" E	
Klarer (see Klawer), Van Rhynsdorp		31° 46' 59" S 18° 40' 36" E	65 m
Klaserie Private Nature Reserve, Phalaborwa		24° 12' 00" S 31° 11' 00" E	
Klaserie-Olifant River Confluence, Phalaborwa		24° 05' 00" S 31° 14' 00" E	
Klaver (see Klawer), Van Rhynsdorp		31° 46' 59" S 18° 40' 36" E	65 m
Klawer, Van Rhynsdorp (see also: Klarer, Klaver)		31° 46' 59" S 18° 40' 36" E	65 m
Klein Letaba (river)	ca.	23° 38' 53" S 31° 08' 42" E	
Klein Letaba, 14 km W	ca.	23° 08' 00" S 30° 25' 00" E	
Klein Nama land (see Little Namaqualand)		28° 30' 00" N 17° 00' 00" E	

Kleinfontein, 20 mi [=32 km] NE Zeerust (see also: Zeerust, 20 mi [=32 km] NE)		25° 25' 00" S 26° 20' 00" E	
Klein-Letaba		23° 08' 00" S 30° 27' 00" E	670 m
Kleinmond, 0.5 km S, 10.1 km W (see Harold Porter Botanical Reserve)		34° 20' 49" S 18° 55' 33" E	60 m
Kleinpoort, Grahamstown		33° 19' 49" S 24° 52' 36" E	541 m
Kleinpoort, Farm (see Farm Kleinpoort (Bd))		33° 13' 20" S 26° 46' 16" E	200 m
Kleintuinfontein, Farm (see Farm Kleintuinfontein)		30° 10' 42" S 24° 46' 13" E	3900 ft
Klipbanksfontein, Farm 607 (see Farm Klipbanksfontein 607), Postmasburg	ca.	28° 18' 00" S 23° 05' 00" E	
Klipfontein, Klein Namaqualand		32° 26' 00" S 25° 45' 00" E	
Klipfontein, Farm 407 (see Farm Klipfontein 407), 19 km SSE Ohhrigstad		24° 33' 28" S 30° 36' 28" E	
Klipfontein, Farm 54JS (see Farm Klipfontein 54JS), 30 km NE Vaalwater; Waterberg		24° 08' 00" S 28° 08' 00" E	
Klipgat, Farm 217JT (see Farm Klipgat 217JT)		25° 11' 00" S 30° 43' 00" E	
Klipsteen, Farm 67JT (see Farm Klipsteen 67JT)		25° 13' 25" S 30° 18' 12" E	
Kloof		29° 47' 00" S 30° 50' 00" E	
Kloof area	ca.	29° 47' 00" S 30° 50' 00" E	
Kloof Falls Road/ Bridle Road picnic site		29° 46' 00" S 30° 49' 00" E	
Knoffelfontein		29° 52' 00" S 24° 49' 00" E	1233 m
Knysna (see also: De Nysna, Millwood Goldmine (museum))		34° 02' 00" S 23° 02' 00" E	0 m
Knysna, 14 km NNE (see Diepwalle State Forest)		33° 56' 00" S 23° 09' 00" E	
Knysna, 3.0 km S, 10.0 km W (see Goukamma Nature Reserve)		34° 03' 00" S 22° 56' 00" E	30 m
Knysna, 3.8 km S, 9,3 km W (see Goukamma Nature Reserve)		34° 03' 00" S 22° 56' 00" E	30 m
Koedoeskloof, Farm (see Farm Koedoeskloof)		32° 21' 23" S 23° 27' 04" E	884 m
Koedoeskop Game Ranch (see also: Kuduskop)		32° 59' 00" S 25° 11' 15" E	
Koegelbeen Caves, Hay [=Griekwastad]; 21 km NE Griekwastad		28° 39' 11" S 23° 20' 55" E	
Koegelbeen, Farm (see Farm Koegelbeen), 21 km NE Griekwastad		28° 40' 00" S 23° 21' 00" E	
Koele, Farm 97 (see Thaba Nchu)		29° 13' 00" S 26° 50' 00" E	1531 m
Koffiebaai (see Coffee Bay)		31° 58' 00" S 29° 09' 00" E	20 m
Kok's farm (see Farm Otto's Bluff), 15 km NNW Pietermaritzburg		29° 30' 00" S 30° 21' 00" E	1188 m
Koks farm (see Farm Otto's Bluff), Pietermaritzburg		29° 30' 00" S 30° 21' 00" E	1188 m
Kokstad mine		30° 48' 36" S 29° 16' 48" E	
Koloniesplaas, 28 mi [=45 km] N Graaff-Reinet (see also: Coloniesplaats, Graaff-Reinet, 28 mi [=45 km] N)		31° 59' 34" S 24° 47' 58" E	
Komati River		25° 26' 00" S 31° 57' 00" E	
Komatipoort, 62 km SE Skukuza (see also: Skukuza, 62 km SE)		25° 26' 00" S 31° 56' 00" E	137 m
Komatipoort, 3 mi [=4.8 km] NE (see TSD Sugar Estate No.3 Section)	ca.	25° 23' 43" S 31° 57' 04" E	
Komatipoort, 3.2 km N	ca.	25° 24' 31" S 31° 57' 17" E	
Kommissiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg		25° 48' 00" S 27° 14' 00" E	
Koppies		27° 14' 00" S 27° 34' 00" E	
Korfshoek, Farm 193 (see Farm Korfshoek 193), Harrismith		28° 30' 00" S 28° 46' 00" E	
Kosi (see Kosi Lake)		26° 58' 00" S 32° 50' 00" E	
Kosi Bay (see Kosibaai)		26° 54' 00" S 32° 52' 00" E	
Kosi Bay estuary, Ingwavuma		26° 54' 00" S 32° 52' 00" E	
Kosi Bay Nature Reserve		26° 57' 21" S 32° 49' 25" E	39 m
Kosi Lake (see also: Department of Health camp, Kosi, Kosimeer , KuHlange, Lake Kosi, Lake Nhlage, Nhlage Lake , Nhlange, Lake)		26° 58' 00" S 32° 50' 00" E	
Kosibaai (see also: Kosi Bay)		26° 54' 00" S 32° 52' 00" E	
Kosimeer (see Kosi Lake)		26° 58' 00" S 32° 50' 00" E	
Kosmos, Western Shore Hartebeespoortdam (see also: Village Kosmos)		25° 44' 00" S 27° 51' 00" E	1139 m
Koster Cave, Zwartrand		25° 52' 00" S 26° 54' 00" E	
Kowie (see Port Alfred)		33° 36' 00" S 26° 54' 00" E	30 m
Kraaibosch, Farm 55JT (see Farm Kraaibosch 55JT)		25° 10' 13" S 30° 12' 07" E	1784 m
Krabbefontein, Soutpansberg (see also: Kabbefontein)	ca.	23° 03' 00" S 29° 54' 00" E	
Kranskloof Nature Reserve (see Krantzkloof Nature Reserve), Durban, Kloof		29° 46' 00" S 30° 50' 00" E	434 m

Kranskop, 10 mi W Hartebeespoort dam (see also: Hartebeespoort dam, 10 mi [=16 km] W)		25° 45' 00" S 27° 51' 00" E	
Kranskop, 32.5 km N, 12 km E (see Speedwell Mines)		28° 40' 00" S 30° 59' 00" E	950 m
Kranskop, Farm 392 (see Zastron), Zastron		30° 18' 00" S 27° 05' 00" E	1672 m
Krantzkloof Nature Reserve (see also: Kranskloof Nature Reserve, Kranzkloof Nature Reserve)		29° 46' 00" S 30° 50' 00" E	434 m
Kranzkloof Nature Reserve (see Krantzkloof Nature Reserve)		29° 46' 00" S 30° 50' 00" E	434 m
Krokodil river		24° 30' 00" S 27° 15' 00" E	
Krokodilburg (see also: Crocodile Bridge Rest Camp)		25° 21' 00" S 31° 54' 00" E	
Kromdraai Gold Mine		26° 00' 21" S 27° 46' 06" E	3305 m
Kroonstad, 20 mi [=32 km] E (see Lehmkuhlsrust)		27° 39' 00" S 27° 33' 00" E	1400 m
Kruger Gate bridge, 12 km W Skukuza (see also: Skukuza, 12 km W)		24° 58' 48" S 31° 29' 00" E	
Kruger National Park (Limpopo province)		22° 26' 00" S 31° 11' 00" E	
Kruger National Park (Mpumalanga province)		25° 03' 38" S 31° 19' 19" E	
Krugersdorp (see also: Mogale City)		26° 06' 00" S 27° 46' 00" E	1712 m
Krugersdorp, 19 km NW (see Sterkfontein caves)		26° 01' 00" S 27° 44' 00" E	1600 m
Krugersdorp, 20 mi [=32 km] NNE (see Farm Gladysvale)		25° 54' 00" S 27° 46' 00" E	1527 m
Kube Yini Private Game Reserve		27° 48' 31" S 32° 13' 35" E	
Kububе Hide		27° 37' 30" S 32° 14' 13" E	
Kudus Vlei Farm (see Farm Kudus Vlei)		23° 03' 14" S 29° 29' 14" E	956 m
Kuduskop (see Koedoeskop Game Ranch)		32° 59' 00" S 25° 11' 15" E	
KuHlange (see Kosi Lake)		26° 58' 00" S 32° 50' 00" E	
Kumasinga Pan (see Msinga Hide)		27° 47' 00" S 32° 12' 00" E	
Kumsinga Hide, 15 km E Mkuzi village		27° 37' 43" S 32° 14' 09" E	94 m
Kunkuru, Farm (see Farm Kunkuru), Warmbaths		27° 53' 00" S 27° 49' 00" E	
Kuruman		27° 27' 00" S 23° 25' 00" E	
Kuruman		27° 27' 00" S 23° 26' 00" E	1327 m
Kuruman, Municipal Bird Sanctuary		27° 26' 41" S 23° 25' 31" E	1314 m
Kuruman, 11 km SW (see Farm Woodstock)		27° 34' 00" S 23° 24' 00" E	
Kuruman, 3 mi [=4.8 km] E	ca.	27° 27' 00" S 23° 26' 00" E	
Kuruman, 40 km NW (see Farm Marthavale)		27° 20' 00" S 23° 04' 00" E	
Kuruman, 58 km S (see Wonderwerk Cave)		27° 49' 00" S 23° 35' 00" E	
Kwalala Police Post		22° 25' 14" S 31° 17' 55" E	
KwaMakuta Township		30° 03' 00" S 30° 53' 00" E	
KwaSheleni, near Lake St. Lucia		28° 10' 44" S 32° 31' 15" E	40 m
KwaZulu-Natal province			
Kwena (see Farm Badfontein 114JT)		25° 17' 30" S 30° 23' 16" E	
Kyalami Kennels, Randburg		25° 52' 30" S 28° 07' 30" E	
l'extérieur de l'Áfrique méridionale			
La Lucia		29° 44' 57" S 31° 03' 35" E	
La Montagne, 280 Rotsvygie Street		25° 44' 55" S 28° 19' 23" E	
La Rochelle, Farm 506 (see Smithfield), Smithfield		30° 13' 00" S 26° 32' 00" E	
Ladismith, 2.5 km N, 26.0 km W (see Farm Buffel Rivier Poort)		33° 27' 56" S 20° 59' 00" E	420 m
Ladismith, 2.5 km S, 12.6 km W (see Farm Zeekoegats Drift)		33° 30' 39" S 21° 05' 42" E	380 m
Lady Grey, Klipkraal		30° 42' 00" S 27° 14' 00" E	2091 m
Lady Selborne, Pretoria (see also: Ladyselborne)		25° 42' 00" S 28° 08' 00" E	1249 m
Ladybrand, Alpha (see also: Ladybrand Commonage, Ladybrand Town)		29° 12' 00" S 27° 27' 00" E	1577 m
Ladybrand Commonage (see Ladybrand), Leliehoek		29° 12' 00" S 27° 27' 00" E	1577 m
Ladybrand Town (see Ladybrand)		29° 12' 00" S 27° 27' 00" E	1577 m
Ladyselborne (see Lady Selborne), Pretoria		25° 42' 00" S 28° 08' 00" E	1249 m
Ladysmith		28° 33' 14" S 29° 46' 58" E	
Laer Sabie Ruskamp (see Onder-Sabie)		25° 07' 00" S 31° 55' 00" E	
Lajuma (see also: Lajuma bridge, Lajuma Forest Lodge, Lajuma wetland, Lajuma Wilderness Camp)		23° 02' 18" S 29° 26' 34" E	1086 m
Lajuma bridge (see Lajuma)		23° 02' 18" S 29° 26' 34" E	1168 m
Lajuma Forest Lodge (see Lajuma)		23° 02' 18" S 29° 26' 34" E	1086 m
Lajuma Mountain Reserve		23° 01' 22" S 29° 15' 52" E	
Lajuma Research Center		23° 02' 24" S 29° 26' 24" E	1270 m
Lajuma wetland (see Lajuma)		23° 02' 18" S 29° 26' 34" E	1334 m
Lajuma Wilderness Camp (see Lajuma)		23° 02' 18" S 29° 26' 34" E	1086 m
Lake Bangazi, 8 km NNE (see Shore Nature Reserve)		27° 22' 30" S 32° 37' 30" E	
Lake Bangazi, 9 km N (see Shore Nature Reserve, NE)		27° 22' 00" S 32° 37' 00" E	
Lake Kosi (see Kosi Lake)		26° 58' 00" S 32° 50' 00" E	
Lake Nhlage (see Kosi Lake)		26° 58' 00" S 32° 50' 00" E	

Lake Seacow (see Seacow Lake), Durban	29° 52' 00" S 31° 00' 00" E	
Lake Sibaya (see Sibaya, lake)	27° 20' 00" S 32° 41' 00" E	
Lake Sibaya Reserve Station, Ingwavuma	27° 21' 00" S 32° 43' 00" E	
Lalapanzi Pan	28° 03' 25" S 32° 17' 42" E	
Lamberts Bay, 10 mi [=16 km] inland	32° 07' 00" S 18° 27' 00" E	
Lamberts Bay, 10 mi [=16 km] inland (see Compagnies Drif)	32° 08' 00" S 18° 27' 00" E	100 m
Lamberts Bay, 16 km SSE (see Farm Wagondrift 230)	32° 13' 00" S 18° 21' 00" E	
Lambert's Bay, 4 km S, 14 km E (see Compagnies Drif)	32° 07' 00" S 18° 27' 00" E	100 m
Lamberts Bay, 6 km E	32° 05' 00" S 18° 20' 00" E	
Lamberts Bay, 8 km E	32° 05' 00" S 18° 20' 00" E	
Langebaan Road (see Langebaanweg)	32° 58' 00" S 18° 09' 00" E	56 m
Langebaanweg (see also: Chemfos mine, Langebaan Road)	32° 58' 00" S 18° 09' 00" E	56 m
Lang-Elsieskraal Bontebok Park, 6 km S, 1 km E Swellendam (see also: Bontebok National Park, Swellendam, 6 km S, 1 km E)	34° 05' 00" S 20° 27' 00" E	70 m
Langjan Provincial Nature Reserve, Vivo, 11.2 km N (see also: Vivo, 11.2 km N)	22° 49' 48" S 29° 12' 00" E	
Langverwaght, Farm 196 (see Vrede), Vrede	27° 25' 00" S 29° 10' 00" E	1668 m
Lanner Gorge cave, on Levuvhu River	23° 07' 00" S 30° 22' 00" E	
Lapalala Wilderness area, 65 km N Vaalwater; Waterberg (see also: Vaalwater, 65 km N)	23° 51' 00" S 28° 09' 00" E	
Le Roux Dam (see P.K. Le Roux Dam)	30° 05' 00" S 24° 45' 00" E	1150 m
Le Roux Farm	33° 54' 17" S 18° 48' 36" E	
Lebanon Sappi plantation, near Howick	29° 18' 48" S 30° 12' 32" E	
Lebombo Ironwood forest, 2 km E Letaba Olifants confluence (see also: Letaba Olifants confluence, 2 km E)	23° 59' 00" S 31° 50' 00" E	
Lebowa, 10 km W (see Matlapitsi Caves)	24° 10' 00" S 30° 06' 00" E	
Ledzee Estates, Letaba-Tzaneen	23° 51' 00" S 30° 14' 00" E	
Leelykstraat, Farm 320 (see Farm Leelykstraat 320), 30 km NE Marydale	29° 11' 00" S 22° 18' 00" E	
Leeudraai, Farm 221JR (see Farm Leeudraai 221JR)	25° 22' 15" S 28° 33' 58" E	
Leeuwdril, 13 km NE Twee Rivieren (see also: Twee Rivieren, 13 km NE)	26° 07' 07" S 20° 50' 00" E	
Leeuwenfontein, Farm 81 (see Farm Leeuwenfontein 81)	31° 15' 21" S 25° 34' 25" E	1510 m
Leeuwspoor, Farm 647 (see Farm Leeuwspoor 647), S of Gollela; on Pongola river, Pongola road	27° 24' 00" S 31° 54' 00" E	
Legogoto (see eLegogoto, mountain), Nelspruit	25° 14' 00" S 31° 05' 00" E	
Lehmkuhlsrust, 20 mi E Kroonstad (see also: Kroonstad, 20 mi [=32 km] E)	27° 39' 00" S 27° 33' 00" E	1400 m
Lejweleputswa district		
Lemoenboord, Farm 320 (see Farm Lemoenboord 320), Philippolis	30° 07' 30" S 24° 52' 30" E	
Lemoenhoek, Farm 415 (see Farm Lemoenhoek 415), Ladybrand	29° 22' 30" S 27° 07' 30" E	
Lennox Farm, 1 km E Dundee (see also: Dundee, 1 km E)	28° 09' 20" S 30° 17' 57" E	1232 m
Lesetlheng	25° 09' 26" S 27° 07' 34" E	1089 m
Leslie, 7 km E (see Farm Rolspruit 127)	26° 24' 00" S 29° 00' 00" E	
Lessingshoogte, Farm (see Lessingshoogte, Farm), 15 mi [=24 km] W Middelburg (see also: Lessingshoogte, Farm, Middelburg, 15 mi [=24 km] W)	31° 34' 00" S 24° 44' 00" E	
Letaba (see also: Letaba Camp, Letaba Rest Camp, Letaba-rustkamp)	23° 51' 16" S 31° 34' 17" E	
Letaba Camp (see Letaba)	23° 51' 16" S 31° 34' 17" E	
Letaba Camp, 1 km SE (see Letaba Rest Camp, 1 km SE)	23° 51' 43" S 31° 34' 47" E	
Letaba highwater bridge, 4 km NNE Letaba Rest Camp (see also: Letaba Rest Camp, 4 km NNE)	23° 48' 40" S 31° 34' 56" E	
Letaba Olifants confluence, 2 km E (see Lebombo Ironwood forest)	23° 59' 00" S 31° 50' 00" E	
Letaba Ranch, 40 km N Phalaborwa, Sabi river (see also: Phalaborwa, 40 km N)	23° 36' 44" S 31° 05' 20" E	
Letaba Rest Camp (see Letaba)	23° 51' 16" S 31° 34' 17" E	
Letaba Rest Camp, 1 km SE (see also: Letaba Camp, 1 km SE)	23° 51' 43" S 31° 34' 47" E	
Letaba Rest Camp, 4 km NNE (see Letaba highwater bridge)	23° 48' 40" S 31° 34' 56" E	
Letaba Rest Camp, 8 km SE (see also: Letaba, 8 km SE)	23° 54' 34" S 31° 37' 37" E	
Letaba, 11 km SW (see Nhlanganini dam)	23° 55' 18" S 31° 31' 05" E	

Letaba, 15 km W (see De Hoek Staatsbos)		23° 49' 37" S 30° 02' 53" E	4500 ft
Letaba, 19 km W (see Farm Malta)		24° 10' 00" S 30° 14' 00" E	
Letaba, 5 km E	ca.	23° 51' 13" S 31° 38' 04" E	
Letaba, 8 km SE (see Letaba Rest Camp, 8 km SE)		23° 54' 34" S 31° 37' 37" E	
Letaba-Duiwelskloof, 8 km E (see Farm Narina)		23° 42' 00" S 30° 14' 00" E	
Letaba-Olifants confluence, 2 km E		23° 59' 00" S 31° 50' 00" E	
Letaba-rustkamp (see Letaba)		23° 51' 16" S 31° 34' 17" E	
Letsitele, Groot Letaba river		23° 53' 20" S 30° 23' 17" E	557 m
Letsitele, 30 km NE (see Hans Merensky Nature Reserve)		23° 41' 00" S 30° 41' 00" E	
Levuhu Hippo pool (see Luvuvhu hippo pool), 2 km NW Simuwana ranger's post, 4 - 5 km W of bridge		22° 25' 51" S 31° 10' 51" E	
Levuvhu		22° 25' 00" S 31° 10' 00" E	
Levuvhu Bridge		22° 25' 00" S 31° 11' 00" E	
Levuvhu Bridge, 3 km W (see Anthrax camp)		22° 25' 30" S 31° 12' 30" E	
Levuvhu Hippopool (see Luvuvhu hippo pool), 2 km NW Simuwana Rangers Post, 4 km W Wau West-bridge		22° 25' 51" S 31° 10' 51" E	
Levuvhu River		22° 39' 36" S 30° 52' 48" E	
Levuvhu River, opposite Shilawee stream		22° 26' 00" S 31° 11' 00" E	
Leydsdorp		23° 59' 00" S 30° 32' 00" E	831 m
Lichtenburg, 6 km NE (see Pretoria Zoo's farm)		26° 07' 00" S 26° 12' 00" E	
Lignite cave, near Knysna	ca.	34° 02' 00" S 23° 02' 00" E	
Lilliput, Farm 246 (see Farm Lilliput 246), 16 km SW Messina		22° 28' 00" S 29° 56' 00" E	
Limpopo province			
Limpopo-Levuvhu Rivers confluence		22° 24' 36" S 31° 10' 48" E	
Lindley, Arcadia		27° 52' 00" S 27° 55' 00" E	1572 m
Lions river		29° 29' 00" S 30° 13' 00" E	
Lionspruit		25° 22' 18" S 31° 46' 55" E	
Lister Point Camp, St. Lucia (see also: Lister's Point, Listerspunt)		27° 58' 00" S 32° 23' 00" E	54 m
Lister's Point (see Lister Point Camp)		27° 58' 00" S 32° 23' 00" E	54 m
Listerspunt (see Lister Point Camp)		27° 58' 00" S 32° 23' 00" E	54 m
Little Mowbray		33° 56' 53" S 18° 29' 05" E	
Little Namaqualand (see also: Klein Nama land)		28° 30' 00" N 17° 00' 00" E	
Liverpool, Farm 202 (see Farm Liverpool 202)			
Lobatsi [intermittent stream]		25° 11' 00" S 25° 49' 00" E	
Logogoto (see eLegogoto, mountain), Nelspruit		25° 14' 00" S 31° 05' 00" E	
Logogotu (see eLegogoto, mountain), Nelspruit		25° 14' 00" S 31° 05' 00" E	
Lombardy Willows, Pretoria		25° 46' 00" S 28° 20' 00" E	
Londolozi Game Reserve, near Kruger National Park		24° 47' 51" S 31° 29' 56" E	
Long One Cave (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
Longstead Farm, near Claridge		29° 30' 47" S 30° 22' 17" E	
Longtoon dam		22° 51' 00" S 31° 23' 00" E	
Lormarins, Paarl		33° 53' 00" S 19° 03' 00" E	
Loskop (see Loskopdam Natuurreservaat), Witbank		25° 26' 00" S 29° 18' 00" E	
Loskop Dam (see Loskopdam Natuurreservaat), Witbank		25° 26' 00" S 29° 18' 00" E	
Loskop Dam Nature Reserve (see Loskopdam Natuurreservaat), Witbank		25° 26' 00" S 29° 18' 00" E	
Loskop Dam Wall Inspection Tunnel (see Farm Vergelegen 80JS)		25° 26' 00" S 29° 23' 00" E	
Loskop Windmill, 14 km N Lower Sabie (see also: Lower Sabie, 14 km N)		24° 58' 00" S 31° 55' 00" E	
Loskop Windmill, 17 km N		24° 58' 00" S 31° 55' 00" E	
Loskopdam Nature Reserve (see Loskopdam Natuurreservaat)		25° 26' 00" S 29° 18' 00" E	
Loskopdam Natuurreservaat, Witbank (see also: Loskop, Loskop Dam, Loskop Dam Nature Reserve, Loskopdam Nature Reserve, Loskopdam Natuurreserwe)		25° 26' 00" S 29° 18' 00" E	
Loskopdam Natuurreserwe (see Loskopdam Natuurreservaat), Witbank		25° 26' 00" S 29° 18' 00" E	
Loster, Zeerust		25° 52' 00" S 26° 54' 00" E	
Loteni Nature Reserve		29° 28' 00" S 29° 31' 48" E	
Lotheni Nature Reserve, 45 km N of Himeville (see also: Himeville, 45 km N)		29° 27' 00" S 29° 32' 00" E	1580 m
Lottering Forest Reserve, 10.3 km N, 34.7 km E Plettenberg Bay (see also: Plettenberg Bay, 10.3 km N, 34.7 km E)		33° 57' 54" S 23° 44' 46" E	240 m
Louis Trichardt		23° 02' 38" S 29° 54' 12" E	
Louis Trichardt Road, Polokwane [=Pietersburg], 40 - 46 km N (see also: Pietersburg, 40 - 46 km N, Polokwane, 40 - 46 km N)		23° 03' 00" S 29° 54' 00" E	954 m

Louis Trichardt to Thohoyandou, km 20 on road (see Farm Welgevonden 449)		23° 32' 00" S 28° 26' 00" E	
Louis Trichardt, 16 km NW (see Buzzard Mountain Retreat)		23° 02' 00" S 29° 46' 00" E	
Louis Trichardt, 5 km E	ca.	23° 02' 20" S 29° 57' 43" E	
Louis Trichardt, 60 km W (see Farm Kudus Vlei)		23° 03' 14" S 29° 29' 14" E	956 m
Louisvale		28° 34' 00" S 21° 12' 00" E	802 m
Louisvale, 1 mi [=1.6 km] N		28° 31' 59" S 21° 12' 00" E	
Louisvale, near		28° 34' 00" S 21° 12' 00" E	2600 ft
Louw's Creek, Barberton (see also: Imperial mine, Lowes Creek)		25° 38' 00" S 31° 17' 00" E	380 m
Louwsburg, 10 km NW (see Ithala Game Reserve)		27° 33' 36" S 31° 12' 36" E	922 m
Louwsburg, 9 km NE		27° 31' 00" S 31° 22' 00" E	
Lower Sabi Camp (see Lower Sabie Rest Camp)		25° 07' 00" S 31° 55' 00" E	
Lower Sabie (see Onder-Sabie)		25° 07' 00" S 31° 55' 00" E	
Lower Sabie Rest Camp (see Onder-Sabie) (see also: Lower Sabi Camp)		25° 07' 00" S 31° 55' 00" E	
Lower Sabie Rest Camp, 15 km SE		25° 11' 50" S 32° 02' 00" E	
Lower Sabie Ruskamp (see Onder-Sabie)		25° 07' 00" S 31° 55' 00" E	
Lower Sabie, 14 km N (see Loskop Windmill)		24° 58' 00" S 31° 55' 00" E	
Lowes Creek (see Louw's Creek), Barberton		25° 38' 00" S 31° 17' 00" E	380 m
Luchoff, 16 mi [=25.7 km] S (see Luchoff, 16 mi [=25.7 km] S) (see also: Luchoff, 16 mi [=25.7 km] S)		29° 52' 00" S 24° 49' 00" E	1233 m
Luckhoff		29° 45' 00" S 24° 47' 00" E	1283 m
Lugogodo (see eLegogoto, mountain), Nelspruit		25° 14' 00" S 31° 05' 00" E	
Luipershoek, Roosenekal, near		25° 08' 00" S 29° 50' 00" E	
Luna, Farm 61MS [=V.L.N.R.] (see Farm Luna 61MS [=V.L.N.R.]), 32 km NE Alldays		22° 22' 00" S 29° 21' 00" E	
Lusikisiki		31° 21' 43" S 29° 34' 24" E	508 m
Lutzput, 12 km NW (see Farm Cnydas)		28° 22' 00" S 20° 34' 00" E	
Luvhondo Private Nature Reserve		23° 02' 24" S 29° 26' 24" E	1270 m
Luvuvhu hippo pool, 2 km NW Simuwane Rangers Post, Wau West-bridge; 5 km W of bridge (see also: Levuhu Hippo pool, Levuvhu Hippopool, Simuwana ranger's post, 2 km NW , Wau West Bridge, 4 - 5 km W)		22° 25' 51" S 31° 10' 51" E	
Lydenberg Fisheries (see Farm Sterkspruit 33JT)		25° 06' 50" S 30° 28' 50" E	1450 m
Lydenberg Vissery (see Farm Sterkspruit 33JT)		25° 06' 50" S 30° 28' 50" E	1450 m
Lydenburg, Lydenburg (see also: Lydenburg Krantz)		25° 06' 00" S 30° 27' 00" E	1363 m
Lydenburg Fisheries (see Farm Sterkspruit 33JT), Lydenberg		25° 06' 50" S 30° 28' 50" E	1450 m
Lydenburg Krantz (see Lydenburg), Lydenburg		25° 06' 00" S 30° 27' 00" E	
Lydenburg, 80 km ENE	ca.	24° 49' 00" S 30° 11' 00" E	ca. 539 m
Lynnwood (see also: Lywood)		25° 45' 42" S 28° 16' 39" E	1341 m
Lynnwood Glen, Pretoria		25° 45' 42" S 28° 16' 38" E	1341 m
Lywood (see Lynnwood)		25° 45' 42" S 28° 16' 39" E	1341 m
Maasstroom, 1 km SSE (see Farm Al-te-ver 103)		22° 46' 00" S 28° 28' 00" E	
Maasstroom, 24 km NW (see Mmabolela Estates [farmstead])		22° 38' 00" S 28° 17' 00" E	
Machindzweni		22° 21' 24" S 31° 11' 28" E	
Maclear, Milton		30° 58' 00" S 28° 14' 00" E	
Maden Dam		32° 44' 24" S 27° 17' 55" E	550 m
Madikwe Game Reserve (see also: Farm 111KP (Kalkfontein), Farm Kalkfontein 111KP, Kalkfontein, Farm 111KP)		24° 45' 58" S 26° 22' 15" E	
Madimbo Military area, 98 km E Messina (see also: Messina, 98 km E)		22° 18' 00" S 30° 52' 00" E	348 m
Maditobe Dam, 2.5 km NE Punda Maria, Mahogany Drive (see also: Maditobe Witsand Dam, Manditobe dam, Punda Maria, 2.5 km NE, Witsand Dam)		22° 41' 00" S 31° 02' 00" E	
Maditobe Pan, 3 km NW Punda Maria (see also: Maditobepan, Punda Maria, 3 km NW)		22° 41' 00" S 31° 02' 00" E	
Maditobe Witsand Dam (see Maditobe Dam), 2.5 km NE Punda Maria		22° 41' 00" S 31° 02' 00" E	
Maditobepan (see Maditobe Pan), 3 km NW Punda Maria		22° 41' 00" S 31° 02' 00" E	
Madlangula, hill, Ingwavuma		26° 57' 00" S 32° 49' 00" E	
Madwaleni (see also: Mtubatuba, 18 mi [=29 km] N)		28° 17' 37" S 32° 11' 19" E	
Mafeking, 5 km outside (see Mafikeng, 5 km outside)		25° 52' 00" S 25° 39' 00" E	1252 m
Mafikeng, 5 km outside (see also: Mafeking, 5 km outside)		25° 52' 00" S 25° 39' 00" E	1252 m
Magaliesberg		25° 46' 00" S 27° 40' 00" E	1350 m

Magamba windmill, 18 km SE Punda Maria (see also: Punda Maria, 18 km SE)		22° 25' 00" S 31° 11' 30" E	
Magoeskloof, Tzaneen		23° 50' 00" S 30° 10' 00" E	
Mahagala		22° 45' 36" S 30° 51' 28" E	
Mahembane, 7 km N Punda Maria (see also: Punda Maria, 7 km N)		22° 39' 00" S 31° 02' 00" E	
Mahlangeni		23° 38' 50" S 31° 08' 47" E	
Mahogany Drive, 2 km N Punda Milia (see also: Punda Milia, 2 km N)		22° 40' 36" S 31° 01' 07" E	
Mahune site (see Gamafefe)		24° 37' 05" S 27° 39' 08" E	
Main Camp, Gazankulu		24° 38' 00" S 31° 28' 00" E	
Maitland Mines, 20 mi [=32 km] W Port Elisabeth (see also: Port Elisabeth, 20 mi [=32 km] W)		33° 59' 12" S 25° 17' 48" E	
Makalali		23° 59' 00" S 31° 50' 00" E	
Makalali Farm, Gazankulu		24° 09' 00" S 30° 42' 00" E	
Makalali, Farm (see Farm Makalali), Letaba		24° 09' 00" S 30° 42' 00" E	
Makapan cave (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Makapans Valley (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Makapansgat Historic Cave (see Farm Makapansgat 39), Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Makapansgat, Farm 39 (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Makatini Flats		27° 15' 00" S 32° 13' 00" E	
Makatini Flats, 20 mi [=32 km] E	ca.	27° 14' 33" S 32° 21' 27" E	
Makatini Research Village Pongola River, Maputuland	ca.	27° 15' 00" S 32° 13' 00" E	
Makupana cave, Pretoriuskop	ca.	25° 09' 00" S 31° 12' 00" E	
Malalane area (see Malelane area)		25° 29' 00" S 31° 31' 00" E	
Malata, Farm (see Farm Malata)		23° 59' 00" S 31° 50' 00" E	
Malelane (see also: Malelane Estate, Malelane Old Mine Shaft)		25° 29' 00" S 31° 31' 00" E	271 m
Malelane area (see also: Malalane area)		25° 29' 00" S 31° 31' 00" E	
Malelane Estate (see Malelane), Barberton district		25° 29' 00" S 31° 31' 00" E	271 m
Malelane Old Mine Shaft (see Malelane)		25° 29' 00" S 31° 31' 00" E	271 m
Malelane Ranger's Post, 2 km W, on N Bank Crocodile River (see also: Crocodile River)		25° 29' 00" S 31° 31' 00" E	
Malelane Rangers Quarters		25° 28' 38" S 31° 30' 41" E	
Malelane, 11 km ENE	ca.	25° 22' 17" S 31° 32' 55" E	
Malelane, 18 km S (see Schoemans Farm "Laughing Waters")	ca.	25° 39' 05" S 31° 32' 45" E	
Malelane, 7 mi [=11 km] SW	ca.	25° 33' 17" S 31° 28' 08" E	
Malensons Shingwidzi Game Reserve (see Shingwidzi Game Reserve)		23° 11' 00" S 31° 14' 00" E	
Malibali Hide (see Bube pan)		27° 37' 58" S 32° 11' 03" E	94 m
Malibali pan (see Bube pan), 15 km E Mkuzi village		27° 37' 58" S 32° 11' 03" E	94 m
Malitube Dam, ca. 2 km N Punda Maria		22° 40' 39" S 31° 02' 12" E	
Malmesbury, 13 km NE (see Farm Modderfontein)		33° 25' 00" S 18° 51' 00" E	
Malta, Farm (see Farm Narina), 19 km W Letaba		24° 10' 00" S 30° 14' 00" E	
Malvern		29° 53' 00" S 30° 55' 00" E	179 m
Manaba		27° 16' 00" S 32° 25' 00" E	
Mandeni (see Mandini)		29° 08' 00" S 31° 24' 00" E	
Mandini (see also: Mandeni, Mandini Station, Umzumgwenya Nature Reserve)		29° 08' 00" S 31° 24' 00" E	
Mandini Station (see Mandini)		29° 08' 00" S 31° 24' 00" E	
Mandini, 8.5 km S (see Harold Johnson Nature Reserve)		29° 12' 00" S 31° 25' 36" E	
Manditobe dam (see Maditobe Dam), Punda Maria, Mahogany Drive		22° 41' 00" S 31° 02' 00" E	
Mangadyane Koppies, near Ngirivane		24° 18' 18" S 31° 39' 42" E	
Manguzi village, Maputa (see also: Maputa)		26° 59' 00" S 32° 45' 00" E	60 m
Manor Gardens		29° 51' 53" S 30° 58' 32" E	
Mansia Valley (see Mansiya Valley)	ca.	28° 03' 00" S 32° 05' 00" E	
Mansiya, near Hluhluwe-Imfolozi Park		28° 02' 13" S 32° 02' 57" E	
Mansiya Valley (see also: Mansia Valley)	ca.	28° 03' 00" S 32° 05' 00" E	
Mantuma Camp, 15 km E Mkuzi village		27° 35' 46" S 32° 13' 03" E	103 m
Manxeba waterhole (see Manxeba windmill)		22° 24' 00" S 31° 14' 00" E	
Manxeba windmill (see also: Manxeba waterhole, Maxeba windmill)		22° 24' 00" S 31° 14' 00" E	
Manyeleti Game Reserve (see Manyeletiwildtuin), Gazankulu		24° 37' 48" S 31° 37' 48" E	

Manyeletiwildtuin, Gazankulu (see also: Manyeleti Game Reserve)	24° 37' 48" S 31° 37' 48" E	
Manzengwenya Forest Station (see Manzengwenya Plantation), Lake Sibaya	27° 15' 00" S 32° 44' 00" E	
Manzengwenya Plantation, Lake Sibaya (see also: Manzengwenya Forest Station)	27° 15' 00" S 32° 44' 00" E	
Mapelana (see also: Mapelane)	28° 24' 00" S 32° 25' 00" E	
Mapelane (see Mapelana)	28° 24' 00" S 32° 25' 00" E	
Mapungubwe (see Farm Greefswald 37MS), 75 km W Messina	22° 12' 00" S 29° 23' 00" E	
Maputa (see Manguzi village), Maputa	26° 59' 00" S 32° 45' 00" E	60 m
Margate, near, Voortukkers strand, Durban	30° 51' 00" S 30° 22' 01" E	
Maria Ratschitz Mission Church (see also: Ratzschitz Mission Church)	28° 13' 32" S 30° 01' 21" E	
Maria van Riebeeck Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria	25° 52' 48" S 28° 16' 48" E	
Marico, 15 km SE (see Farm Ferndale)	25° 38' 00" S 26° 24' 00" E	
Marie se Gat, 6 km SE Nossob (see also: Nassob, 6 km SE, Nossob, 6 km SE)	25° 38' 00" S 20° 38' 00" E	
Mariebskop (see Mariepskop-Bosreserwe)	24° 35' 00" S 30° 53' 00" E	
Mariepskop (see Mariepskop-Bosreserwe)	24° 35' 00" S 30° 53' 00" E	
Mariepskop Forest (see Mariepskop-Bosreserwe)	24° 35' 00" S 30° 53' 00" E	
Mariepskop Forest Reserve (see Mariepskop-Bosreserwe)	24° 35' 00" S 30° 53' 00" E	
Mariepskop Research Station (see Mariepskop-Bosreserwe)	24° 35' 00" S 30° 53' 00" E	
Mariepskop-Bosreserwe (see also: Mariebskop, Mariepskop, Mariepskop Forest, Mariepskop Forest Reserve, Mariepskop Research Station)	24° 35' 00" S 30° 53' 00" E	
Marine Parade	29° 51' 14" S 31° 02' 19" E	
Maritzburg (see Pietermaritzburg)	29° 37' 00" S 30° 23' 00" E	
Marken, 20 km S (see Farm Dordrecht)	23° 50' 00" S 28° 22' 00" E	
Marloth Park (see also: Nkomazi Municipality complex, approx 1.5 km NNW, Nkomazi Municipality Park)	25° 22' 00" S 31° 47' 00" E	210 m
Marone (see Boerboomskraal)	24° 49' 00" S 30° 21' 00" E	876 m
Marop (see Farm Narap), 28 km SSE Springbok	29° 53' 00" S 17° 46' 00" E	
Marquard, Leeukop [230]	28° 40' 00" S 27° 26' 00" E	1515 m
Marshall Grove, Carrington Heights	29° 53' 14" S 30° 58' 10" E	60 m
Marthavale, Farm (see Farm Marthavale), 40 km NW Kuruman	27° 20' 00" S 23° 04' 00" E	
Marydale, 30 km NE (see Farm Leelykstraat 320)	29° 11' 00" S 22° 18' 00" E	
Mashikiri windmill	22° 35' 00" S 31° 11' 00" E	
Masimba Camp (see Masinda Camp), Corridor Reserve	28° 16' 37" S 31° 56' 41" E	
Masinda Camp (see also: Masimba Camp)	28° 16' 37" S 31° 56' 41" E	
Mata Mata camp, Nassob	25° 46' 00" S 20° 01' 00" E	
Matafalu River, Port St. Johns, near		
Mathae Ranch, 22 mi [=35 km] E Mica (see also: Mica, 22 mi [=35 km] E)	24° 08' 03" S 31° 07' 08" E	3000 ft
Matitobe dam		
Matjies Vlei, 23 km N Beaufort West (see also: Beaufort West, 23 km N)	32° 08' 00" S 22° 33' 00" E	
Matlapitsi Caves, 10 km W Lebowa (see also: Lebowa, 10 km W)	24° 10' 00" S 30° 06' 00" E	
Matlepits Valley, Potgietersrus-Zabediela, E Chuniespoort	24° 07' 00" S 29° 37' 00" E	
Matshitshindzudzi	22° 27' 16" S 31° 10' 29" E	
Matubatuba	28° 25' 00" S 32° 10' 00" E	
Matukwala Dam, 5 km NW Punda Milia (see also: Matukwaladam, Punda Milia, 5 km NW)	22° 40' 56" S 30° 57' 46" E	
Matukwaladam (see Matukwala Dam), 5 km NW Punda Milia	22° 40' 56" S 30° 57' 46" E	
Matukwale Dam, 5 km NW Punda Maria	22° 40' 41" S 30° 58' 10" E	
Matupa Cave, Pretoruskop area	24° 10' 00" S 31° 16' 00" E	
Matupa Koppie, Pretoriuskop section	25° 03' 38" S 31° 19' 19" E	
Maxeba windmill (see Manxeba windmill)	22° 24' 00" S 31° 14' 00" E	
Mayo, 20 km W Nelspruit (see also: Nelspruit, 20 km W)	25° 22' 12" S 30° 44' 24" E	1015 m
Mayville, Pretoria	25° 43' 00" S 28° 11' 00" E	84 m
Mazelfontein	29° 07' 00" S 23° 52' 00" E	
Mazengwenya Forest Station, NE Lake Sibaya	27° 16' 00" S 32° 44' 00" E	50 m
Mbangari Crevice, Timbavati River	24° 14' 15" S 31° 37' 51" E	
Melanie, 3 km NNE		

Melmoth	28° 35' 00" S 31° 23' 00" E	
Merebank	29° 57' 06" S 30° 57' 23" E	19 m
Merrimietzie, Farm 576 (see Winburg)	28° 32' 00" S 27° 01' 00" E	1494 m
Merrivale	29° 31' 00" S 30° 14' 00" E	1031 m
Messina	22° 21' 00" S 30° 03' 00" E	530 m
Messina Nature Reserve	22° 23' 00" S 30° 03' 00" E	
Messina, 10 km E (see Mimbo, on Limpopo)	22° 20' 00" S 30° 58' 00" E	
Messina, 16 km SW (see Farm Lilliput 246)	22° 28' 00" S 29° 56' 00" E	
Messina, 20 km E (see Farm Bokveld)	22° 19' 00" S 30° 11' 00" E	
Messina, 32 km E (see Farm Scrutton 23MT)	22° 21' 00" S 30° 21' 00" E	1450 ft
Messina, 4 km E (see Musina, 4 km E)	22° 21' 00" S 30° 03' 00" E	
Messina, 67 km W (see Farm Greefswald 37MS)	22° 12' 00" S 29° 23' 00" E	
Messina, 75 km W (see Farm Greefswald 37MS)	22° 12' 00" S 29° 23' 00" E	
Messina, 98 km E (see Madimbo Military area)	22° 18' 00" S 30° 52' 00" E	348 m
Metsweding district		
Mfolozi Game Reserve (see Umfolozi Game Reserve)	28° 20' 00" S 31° 50' 00" E	
Mfundisweni (see also: Emfundisweni, Emfundusweni)	30° 54' 00" S 29° 32' 00" E	900 m
Mfutululu [Forest Station], Dududuku forest (see also: Futululu Research Station)	28° 25' 00" S 32° 16' 00" E	45 m
Mganduli (see Mqanduli)	31° 49' 00" S 28° 45' 00" E	682 m
Mhlopeni Ranch	29° 01' 00" S 30° 25' 00" E	
Mica, 22 mi [=35 km] E (see Mathae Ranch)	24° 08' 03" S 31° 07' 08" E	3000 ft
Middelberg, 48 km E (see Farm Wonderfontein)	25° 50' 00" S 29° 55' 00" E	
Middelburg		
Middelburg, 15 mi [=24 km] W (see Lessingshoogte, Farm)	31° 34' 00" S 24° 44' 00" E	
Middelburg, 48 km E (see Farm Wonderfontein)	25° 50' 00" S 29° 55' 00" E	
Middelwater, Farm 750 (see Farm Middelwater 750), Hoopstad	27° 44' 00" S 25° 26' 00" E	
Middle Garage		
Middledrift	32° 49' 00" S 26° 59' 00" E	
Middletown		
Mid-Illovo, Richmond district	29° 58' 00" S 30° 30' 00" E	
Midmar Training Centre	29° 31' 45" S 30° 12' 30" E	
Miggiesgat cave (see Sudwala Cave), Nelspruit	25° 22' 00" S 30° 42' 00" E	845 m
Millwood Goldmine (museum) (see Knysna)	33° 53' 20" S 22° 59' 44" E	
Mimbo, on Limpopo, 10 km E Messina (see also: Messina, 10 km E)	22° 20' 00" S 30° 58' 00" E	
Mimosa, Farm 454 (see Farm Mimosa 454), 25 km ENE Postmasburg	28° 11' 00" S 23° 19' 00" E	
Minaars cave, Krugersdorp	26° 00' 23" S 27° 44' 11" E	
Mission Rocks	28° 15' 36" S 32° 29' 48" E	4 m
Mission Rocks (Eastern Shore)	28° 16' 00" S 32° 29' 00" E	10 m
Mission Rocks Bats Cave, 16 km N S. Lucia estuary (see also: Bat's Cave, Mission Rocks, St. Lucia Estuary, 12 km N, 8 km E, St. Lucia estuary, 16 km N)	28° 16' 00" S 32° 30' 00" E	0 m
Mission Rocks Outpost	28° 16' 02" S 32° 29' 30" E	
Mitchells Pass	33° 22' 00" S 19° 20' 00" E	
Mitford Park, Farm (see Farm Mitford Park)	33° 12' 00" S 26° 06' 00" E	700 m
Mkambati Game Reserve, 4.1 km N, 1.1 km W Msikaba River Mouth (see also: Msikaba River Mouth, 4.1 km N, 1.1 km W)	31° 17' 00" S 29° 57' 24" E	5 m
Mkaya Camp	27° 23' 24" S 31° 53' 24" E	
Mkhomazi Wilderness Area		
Mkhuze Game Reserve (see uMkhuze Game Reserve)	27° 39' 00" S 32° 14' 30" E	62 m
Mkusi Game Reserve (see uMkhuze Game Reserve)	27° 39' 00" S 32° 14' 30" E	62 m
Mkuze (River Bridge)	27° 35' 57" S 32° 18' 07" E	45 m
Mkuze Game Reserve (see uMkhuze Game Reserve)	27° 39' 00" S 32° 14' 30" E	62 m
Mkuze River, 15 km E Mkuzi village, N Mtshopi (see also: Mkuzi River)	27° 52' 00" S 32° 29' 00" E	
Mkuze, 25 km N (see Pongola Biosphere Reserve, Mpalane Lodge)		172 m
Mkuzi Game Reserve (see uMkhuze Game Reserve), 15 km E Mkuzi village	27° 39' 00" S 32° 14' 30" E	
Mkuzi River (see Mkuze River), 15 km E Mkuzi village	27° 52' 00" S 32° 29' 00" E	
Mkuzi village, 15 km E (see Bube pan)	27° 37' 58" S 32° 11' 03" E	94 m
Mmabolela Estates [farmstead], 14 mi NW Maasstroom (see also: Maasstroom, 24 km NW)	22° 38' 00" S 28° 17' 00" E	
Mnangadyana Koppie, cave, 14 km N Orpen Gate (see also: Orpen Gate, 14 km N)	24° 21' 00" S 31° 24' 00" E	
Moanduli (see Mqanduli)	31° 49' 00" S 28° 45' 00" E	682 m
Mockford Garden (see also: Mockford's Garden)	22° 26' 00" S 31° 18' 00" E	

Mockford's Garden (see Mockford Garden)		22° 26' 00" S 31° 18' 00" E	
Modder Fontein, Farm (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok		29° 41' 00" S 17° 48' 00" E	
Modderfontein		26° 05' 00" S 28° 10' 00" E	1577 m
Modderfontein, Farm (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok		29° 41' 00" S 17° 48' 00" E	
Modderfontein, Farm (see Farm Modderfontein), 24 km SE Potgietersrus		24° 20' 00" S 29° 12' 00" E	
Modderfontein, Farm (see Farm Modderfontein), 13 km NE Malmesbury		33° 25' 00" S 18° 51' 00" E	
Modimolle, 3 km NW (see also: Nylstroom, 3 km NW)		24° 40' 20" S 28° 22' 38" E	1350 m
Moeketsi (see Farm Mokeetsi)		23° 35' 00" S 30° 05' 00" E	
Mogale City (see Krugersdorp)		26° 06' 00" S 27° 46' 00" E	
Mokeetsi, Farm (see Farm Mokeetsi), Letaba-Tzaneen		23° 35' 00" S 30° 05' 00" E	
Mokeetsi, Farm 376 (see Farm Duiwelskloof 376), Tzaneen		23° 42' 00" S 30° 08' 00" E	
Moketsi (see Farm Mokeetsi)		23° 35' 00" S 30° 05' 00" E	
Molopo Nature Reserve (see Molopo Naturellereserwe)		25° 53' 00" S 25° 34' 00" E	
Molopo Naturellereserwe (see also: Molopo Nature Reserve)		25° 53' 00" S 25° 34' 00" E	
Molteno		31° 23' 47" S 26° 21' 45" E	1580 m
Molteno, 7.7 km N, 30.5 km E (see Farm Freredell)		31° 19' 36" S 26° 40' 58" E	1870 m
Montagu caves, near Ashton (see also: Montague cave(s))		33° 47' 10" S 20° 07' 22" E	
Montagu Mountain Reserve, 2 km N, 3 km W Montagu (see also: Montagu, 2 km N, 3 km W)		33° 46' 00" S 20° 05' 00" E	300 m
Montagu, 2 km N, 3 km W (see Montagu Mountain Reserve)		33° 46' 00" S 20° 05' 00" E	300 m
Montagu, 5.2 km S, 5.0 km E (see Farm Guano Caves 163)		33° 49' 58" S 20° 10' 28" E	420 m
Montagu, 9.2 km N (see Farm "Baden")		33° 42' 14" S 20° 07' 14" E	350 m
Montague cave(s) (see Montagu caves), near Ashton		33° 47' 10" S 20° 07' 22" E	
Montclair		29° 55' 14" S 30° 58' 08" E	70 m
Montrose		29° 34' 30" S 30° 21' 08" E	717 m
Monument Park, Pretoria (see also: Monument Park caves)		25° 48' 00" S 28° 14' 00" E	1456 m
Monument Park caves (see Monument Park), Pretoria		25° 27' 36" S 28° 13' 48" E	
Mooi River district	ca.	29° 13' 00" S 29° 59' 00" E	
Mooigenoeg, Farm 83 (see Farm Mooigenoeg 83), 8 km S Derdepoort		24° 40' 00" S 26° 20' 00" E	
Mooimeijesfontein (see Farm Mooimeisjesfontein 147JQ)		25° 01' 00" S 27° 37' 00" E	
Mooimeisjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen		25° 01' 00" S 27° 37' 00" E	
Mooimysjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen		25° 01' 00" S 27° 37' 00" E	
Mooiplaas, Farm 355 (see Farm Hennopsriver 489), Pretoria		25° 50' 00" S 27° 58' 00" E	
Mooiplaas, Farm 94 (see Farm Mooiplaas 94), 18 km SSE Derdepoort		24° 45' 00" S 26° 25' 00" E	
Mooiplaas, SAPPI (see also: Stan Hope Mine)		28° 33' 30" S 31° 09' 55" E	864 m
Mooiplass Plantation, Melmoth area		28° 33' 30" S 31° 09' 55" E	864 m
Mooivlei, Thambazimbi		23° 49' 00" S 26° 58' 00" E	
Mooiymysjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen		25° 01' 00" S 27° 37' 00" E	
Mooketsi (see Farm Mokeetsi)		23° 35' 00" S 30° 05' 00" E	
Moorfield Mountain Farm Nature Reserve		27° 52' 40" S 29° 42' 30" E	1776 m
Mopane (see also: Mopani)		22° 36' 00" S 29° 51' 00" E	721 m
Mopani (see Mopane)		22° 36' 00" S 29° 51' 00" E	721 m
Mopani district			
Morningside		29° 50' 00" S 31° 00' 00" E	
Morone (see Boerboomskraal)		24° 49' 00" S 30° 21' 00" E	876 m
Moscow, Farm 274 (see Farm Moscow 274), Heilbron		27° 17' 00" S 27° 58' 00" E	
Mosdene [farmstead], 2 mi SE Naboomspruit (see also: Mosdene Nature Reserve, Mosdene Private Nature Reserve, Naboomspruit, 2 mi [=3.2 km] SE)		24° 36' 00" S 28° 47' 00" E	
Mosdene Nature Reserve (see Mosdene [farmstead]), 2 mi SE Naboomspruit		24° 36' 00" S 28° 47' 00" E	
Mosdene Private Nature Reserve (see Mosdene [farmstead]), 2 mi SE Naboomspruit		24° 36' 00" S 28° 47' 00" E	
Mosely		29° 51' 35" S 30° 52' 51" E	
Mossland (see Farm Mosslands), 11 mi [=17.7 km] SSW Grahamstown		33° 24' 23" S 26° 25' 45" E	

Mosslands, Farm (see Farm Mosslands), 11 mi [=17.7 km] SSW Grahamstown		33° 24' 23" S 26° 25' 45" E	
Motale river		24° 05' 00" S 30° 07' 00" E	
Motale River, Messina		22° 30' 00" S 30° 50' 00" E	
Motheo district			
Mount Ayliff, 0.3 km N, 8.9 km W (see Insizwe Mine)		30° 48' 00" S 29° 17' 00" E	1140 m
Mount Currie Nature Reserve		30° 30' 13" S 29° 23' 41" E	
Mount Edgecombe, Sasex		29° 42' 00" S 31° 02' 00" E	
Mount eLegogoto (see eLegogoto, mountain), Nelspruit		25° 14' 00" S 31° 05' 00" E	
Mount Moreland, 12 Williams Road		29° 38' 33" S 31° 05' 37" E	34 m
Mount Pierre se kloof (see Golden Gate Highlands National Park)		28° 30' 15" S 28° 36' 09" E	
Mount Pleasant (see Cullendale)		32° 39' 00" S 26° 11' 00" E	685 m
Mountain Lakes Adventure Campsite, Jozini	ca.	27° 24' 36" S 32° 03' 36" E	
Mountain View, Pretoria		25° 42' 00" S 28° 09' 00" E	
Mountainland Nature Reserve, Umjindi municipality, Barberton, 68 km SE Sudwala		25° 45' 14" S 31° 06' 51" E	741 m
Mouton's Valley, Farm A80 (see Farm Mouton's Valley A80)		32° 46' 11" S 18° 43' 08" E	545 m
Mpalane Lodge (see Pongola Biosphere Reserve, Mpalane Lodge), 25 km N Mkuze			172 m
Mphahlela's (see Mphahlele River), Tzaneen		24° 19' 00" S 29° 45' 00" E	
Mphahlele River, Tzaneen (see also: Mphahlela's, Mphatleles)		24° 19' 00" S 29° 45' 00" E	
Mphatleles (see Mphahlele River), Tzaneen		24° 19' 00" S 29° 45' 00" E	
Mpila Trails Store		28° 19' 00" S 31° 51' 00" E	
Mpofu Pan		28° 20' 24" S 31° 46' 12" E	
Mpumalanga		24° 53' 17" S 30° 48' 21" E	
Mpumalanga province			
Mqanduli (see also: Mganduli, Moanduli)		31° 49' 00" S 28° 45' 00" E	682 m
Mseleni (see also: Emseleni)		27° 19' 00" S 32° 32' 00" E	76 m
Msenge Ridge, near King William's Town		32° 51' 30" S 27° 22' 10" E	400 m
Mshopi camping site		27° 38' 23" S 32° 09' 32" E	
Msikaba river mouth		31° 19' 00" S 29° 58' 00" E	
Msikaba River Mouth, 4.1 km N, 1.1 km W (see Mkambati Game Reserve)		31° 17' 00" S 29° 57' 24" E	5 m
Msinga Hide, 15 km E Mkuzi village (see also: Kumasinga Pan, Msinga Hole, Msinga pan)		27° 47' 00" S 32° 12' 00" E	
Msinga Hole (see Msinga Hide)		27° 47' 00" S 32° 12' 00" E	
Msinga pan (see Msinga Hide), 15 km E Mkuzi village		27° 47' 00" S 32° 12' 00" E	
Msinsi Nature Reserve		29° 52' 03" S 30° 58' 34" E	
Msinyini pan		28° 22' 00" S 31° 52' 00" E	
Mtambanana		31° 50' 00" S 29° 16' 00" E	
Mtongori			
Mtubatuba, 18 mi [=29 km] N (see Madwaleni)		28° 17' 37" S 32° 11' 19" E	
Mtubatuba, 58 km N (see T. Bester Game Farm)		27° 50' 00" S 32° 15' 00" E	200 m
Mtubatuba, 6 km NNE (see Dukuduku State Forest)		28° 23' 00" S 32° 19' 00" E	
Mtunzini		28° 57' 00" S 31° 46' 00" E	
Muggiesgat cave (see Sudwala Cave)		25° 22' 00" S 30° 42' 00" E	845 m
Muldersdrif, near, Krugersdorp (see also: Muldersdrift, near)		26° 01' 48" S 27° 46' 44" E	
Muldersdrift, near (see Muldersdrif, near), Krugersdorp		26° 01' 48" S 27° 46' 44" E	
Municipal Farm, near Middelburg			4095 ft
Munthouse, Pretoria		25° 48' 00" S 28° 11' 00" E	
Munywini cave	ca.	24° 47' 00" S 31° 50' 00" E	
Murraysburg, 14.5 km S, 38.5 km E (see Farm Doornbosch)		32° 02' 42" S 24° 04' 46" E	1500 m
Murraysburg, 16.0 km N, 17.2 km W		31° 47' 00" S 23° 34' 46" E	1140 m
Murraysburg, 40.2 km S, 31.8 km W (see Farm Alexanderskraal)		32° 18' 35" S 23° 25' 00" E	3000 ft
Murraysburg, 45.2 km S, 28.6 km W (see Farm Koedoeskloof)		32° 21' 23" S 23° 27' 04" E	884 m
Murraysburg, 7.5 km N, 14.1 km W (see Farm Eloffshoek)		31° 53' 42" S 23° 36' 52" E	1100 m
Murraysburg, NW of		31° 52' 00" S 23° 37' 00" E	
Musgrave		29° 50' 06" S 31° 00' 27" E	
Musina, 4 km E (see also: Messina, 4 km E)		22° 21' 00" S 30° 03' 00" E	
Mutale River		22° 27' 00" S 31° 05' 00" E	
Mziki Pan		27° 42' 05" S 32° 24' 50" E	28 m
N2 crosses Umhlanga River		29° 54' 23" S 30° 57' 06" E	
Nababeep Wes Mine		29° 35' 24" S 17° 45' 16" E	3300 ft
Naboomspruit, 2 mi [=3.2 km] SE (see Mosdene [farmstead])		24° 36' 00" S 28° 47' 00" E	

Naerina, Farm (see Farm Naerina), 8 km E Duiwelskloof		23° 42' 00" S 30° 16' 00" E	
Nagle Dam		29° 36' 00" S 30° 38' 00" E	365 m
(see also: Nagle Dam Lodge, Pietermaritzburg, 25 km E)			
Nagle Dam Fish Hatchery (see Umgeni (Fish) Hatchery)		29° 35' 25" S 30° 37' 18" E	400 m
Nagle Dam Lodge (see Nagle Dam)		29° 36' 00" S 30° 38' 00" E	365 m
Nahoon Point, 5 km S, 7.5 km W (see Bat's Cave)		33° 02' 45" S 27° 52' 05" E	0 m
Nahoon Suburb		32° 59' 00" S 27° 56' 00" E	50 m
Nakaetsi, Farm 376 (see Farm Nakaetsi 376), Tzaneen district, Zoutpansberg		23° 40' 00" S 30° 05' 00" E	
Namaba		27° 22' 30" S 32° 22' 30" E	
Namakwa district			
Narap, Farm (see Farm Narap), 28 km SSE Springbok		29° 53' 00" S 17° 46' 00" E	
Narina, Farm (see Farm Narina), 8 km E Letaba-Duiwelskloof		23° 42' 00" S 30° 14' 00" E	
Nasionale Kalahari Gemsbok-Wildtuin (see Kalahari Gemsbok National Park)		25° 41' 00" S 20° 20' 00" E	
Nassob		26° 27' 00" S 20° 37' 00" E	
Nassob, 31 km WNW (see Bayip)		25° 17' 00" S 20° 13' 00" E	
Nassob, 4 km S (see Rooikop)		25° 27' 00" S 20° 34' 00" E	
Nassob, 6 km SE (see Marie se Gat)		25° 38' 00" S 20° 38' 00" E	
Nassob, 60 km NW (see Dankbaar Windmill)		25° 03' 00" S 20° 08' 00" E	
Natal			
Natal Midlands		29° 21' 00" S 30° 00' 00" E	
Natal Midlands		29° 21' 00" S 30° 00' 00" E	
Natal National Park (see Royal Natal National Park)		28° 44' 00" S 28° 55' 00" E	1602 m
Natalse Nasionale Park (see Royal Natal National Park)		28° 44' 00" S 28° 55' 00" E	1602 m
Natures Valley Village		33° 58' 00" S 23° 34' 00" E	207 m
Navors Suburb, Residence, Pretoria		25° 44' 00" S 28° 16' 00" E	
Nduma Game Reserve (see Ndumu Game Reserve), Ingwavuma		26° 52' 00" S 32° 15' 00" E	
Ndumi Game Reserve (see Ndumu Game Reserve), Ingwavuma		26° 52' 00" S 32° 15' 00" E	
Ndumo		26° 55' 33" S 31° 15' 06" E	79 m
(see also: Ndumu)			
Ndumo Game Reserve (see Ndumu Game Reserve), Ingwavuma		26° 52' 00" S 32° 15' 00" E	
Ndumu (see Ndumo)		26° 55' 33" S 31° 15' 06" E	79 m
Ndumu Game Reserve, Ingwavuma		26° 52' 00" S 32° 15' 00" E	
(see also: Nduma Game Reserve, Ndumi Game Reserve, Ndumo Game Reserve)			
Ndumu Police Station, Ndumu		26° 55' 00" S 32° 15' 00" E	
Ndumu store, Ingwavuma		26° 55' 00" S 32° 15' 00" E	
Neiman's Farm		23° 37' 59" S 27° 49' 01" E	
(see also: Ellisras, 10 km NE)			
Nelson Mandela Metro district			
Nelspruit		25° 28' 00" S 30° 58' 00" E	676 m
Nelspruit, 19 km SE (see Uitkyk and Paranie Private Nature Reserve)		25° 36' 00" S 31° 06' 00" E	
Nelspruit, 20 km W (see Mayo)		25° 22' 12" S 30° 44' 24" E	1015 m
Nelspruit, 32 km NW		25° 30' 00" S 31° 00' 00" E	
Nelspruit, 4 mi [=6.4 km] E, 2 mi [=3.2 km] S		25° 29' 00" S 30° 59' 00" E	
Nelspruit, 40 km W (see Sudwala Mines)		25° 23' 24" S 30° 40' 48" E	902 m
Nelspruit, near		25° 28' 00" S 30° 59' 00" E	
New Agatha (see New Agatha State Forest), 10 km SE Haenertsburg		24° 02' 00" S 30° 05' 00" E	
New Agatha Forest Reserve (see New Agatha State Forest), 10 km SE Haenertsburg		24° 02' 00" S 30° 05' 00" E	
New Agatha State Forest, 10 km SE Haenertsburg		24° 02' 00" S 30° 05' 00" E	
(see also: Haenertsburg, 10 km SE, New Agatha, New Agatha Forest Reserve)			
New Belgium, Farm 608 (see Farm New Belgium 608), 65 km N Vaalwater		23° 53' 00" S 28° 08' 00" E	
New Castle (see Newcastle)		27° 45' 29" S 29° 55' 54" E	1276 m
New Figtree camp		22° 25' 00" S 31° 11' 00" E	
New Figtree forest		22° 25' 00" S 31° 18' 00" E	
New Germany		29° 46' 57" S 30° 52' 20" E	697 m
New Hanover school		29° 21' 00" S 30° 32' 00" E	717 m
New Mucelneuck, Pretoria		25° 43' 48" S 28° 10' 48" E	
New Mucklenuek, 351 Rey Street		25° 41' 12" S 28° 11' 56" E	1274 m
Newcastle		27° 45' 29" S 29° 55' 54" E	1276 m
(see also: New Castle)			
Newcastle, 10 mi [=16 km] S (see Gardenia)	ca.	27° 53' 36" S 29° 57' 58" E	
Newcastle, 10 mi S	ca.	27° 51' 31" S 29° 57' 05" E	
Newcastle, 30 km S (see Chelmsford Nature Reserve)		27° 57' 54" S 29° 55' 18" E	1253 m
Newington		24° 49' 00" S 31° 17' 00" E	487 m

Newington, 11 km N		24° 48' 00" S 31° 17' 00" E	
Newington, 16 km N (see Farm Othawo 242)		24° 45' 00" S 31° 26' 00" E	
Newington, 3 mi [=4.8 km] WNW	ca.	24° 46' 34" S 31° 14' 57" E	
Newington, 7 mi [=11.3 km] N		24° 45' 00" S 31° 25' 00" E	
Newinngton, 11 km N (see Acornhoek)		24° 35' 00" S 31° 05' 00" E	594 m
Newlands West		29° 47' 16" S 30° 57' 29" E	
Newton Park, Port Elizabeth		33° 57' 00" S 25° 34' 00" E	107 m
Ngaka Modiri Molema district (see also: Central district)			
Ngirivana cave (see Girivana cave)		24° 21' 26" S 31° 41' 26" E	
Ngodwena		25° 37' 00" S 30° 37' 00" E	
Ngome Forest Reserve, 70 km NE Ngome (see also: Ngome, 70 km NE , Ngome-Bosreserwe, Ngomi Forest Reserve, Vrijheid, 70 km NE)		27° 52' 00" S 31° 24' 45" E	
Ngome Police Station		27° 50' 00" S 31° 25' 00" E	
Ngome, 70 km NE (see Ngome Forest Reserve)		27° 52' 00" S 31° 24' 45" E	
Ngome-Bosreserwe (see Ngome Forest Reserve), 70 km NE Ngome		27° 52' 00" S 31° 24' 45" E	
Ngomi Forest Reserve (see Ngome Forest Reserve), 70 km NE Ngome		27° 52' 00" S 31° 24' 45" E	
Ngoye hills, Umgoye forest		28° 50' 00" S 31° 40' 00" E	
Ngqeleni		31° 40' 00" S 29° 02' 00" E	571 m
Ngqeleni District, W Pondoland		30° 40' 00" S 29° 02' 00" E	
Ngubevu Mine, Msinga (see also: Nqubevu mine)		28° 44' 00" S 30° 36' 00" E	
Nguhbu Picnic		27° 31' 00" S 31° 22' 00" E	
Ngutu (see Nqutu)		28° 12' 44" S 30° 40' 31" E	1336 m
Ngwanedzi Camp (see Nwanedzi Camp)		24° 27' 00" S 31° 58' 00" E	
Ngwenya, Komatipoort		25° 22' 12" S 31° 51' 36" E	
Ngwenya Lodge, 11 km NW Komatipoort		25° 22' 37" S 31° 51' 32" E	
Ngxwala Hill		27° 34' 00" S 32° 05' 00" E	
Nhlage Lake (see Kosi Lake)		26° 58' 00" S 32° 50' 00" E	
Nhlanganindam (see Nhlanganini dam), 11 km SW Letaba		23° 55' 18" S 31° 31' 05" E	
Nhlanganini dam, 11 km SW Letaba (see also: Hlanganini dam, Letaba, 11 km SW, Nhlanganindam)		23° 55' 18" S 31° 31' 05" E	
Nhlange, Lake (see Kosi Lake)		26° 58' 00" S 32° 50' 00" E	
Nhlonhela pan		27° 46' 48" S 32° 12' 00" E	
Nibela Peninsula		27° 56' 00" S 32° 26' 00" E	
Nico Smith, Farm (see Farm Nico Smith), 20 mi [=32 km] W Port Elisabeth		33° 59' 12" S 25° 17' 48" E	
Nicorel, Farm 343 (see Farm Nicorel 343), 18 km N Steilloop(burg)		23° 15' 36" S 28° 36' 36" E	
Nkandla Forest Reserve		28° 43' 25" S 31° 07' 40" E	
Nkangala district			
Nkaya Pan (see also: Nkayapan)		24° 31' 56" S 31° 45' 27" E	
Nkayapan (see Nkaya Pan)		24° 31' 56" S 31° 45' 27" E	
Nkomazi Municipality complex, approx 1.5 km NNW (see Marloth Park)		25° 22' 00" S 31° 47' 00" E	210 m
Nkomazi Municipality Park (see Marloth Park)		25° 22' 00" S 31° 47' 00" E	210 m
Non Pareil, Farm 396 (see Warden), Warden		27° 51' 00" S 28° 58' 00" E	1643 m
Nongoma		27° 54' 00" S 31° 39' 00" E	865 m
Nooitgedacht, Farm (see Farm Nooitgedacht)		22° 56' 00" S 29° 58' 00" E	614 m
Nooitgedacht, Farm 508 (see Farm Nooitgedacht 508), 14 km SSE Potchefstroom		26° 55' 12" S 27° 10' 12" E	
Norlim mine (see Norlim mine), 16 km SW Taung (see also: Buxton mine, Norlim mine, Taung, 16 km SW)		27° 37' 00" S 24° 38' 00" E	1087 m
North Beach		29° 50' 51" S 31° 02' 09" E	5 m
North Cave, near Luvuvhu river, ca. 2 km W Anthrax Camp (see also: Anthrax Camp, 2 mi W)		22° 26' 00" S 31° 11' 00" E	
North Park Nature Reserve		29° 52' 00" S 30° 52' 00" E	209 m
Northam		24° 58' 00" S 27° 16' 00" E	
Northdene		29° 52' 00" S 30° 53' 00" E	
Northern Cape province			
Northern Free State district (see Fezile district)			
Northern Kakamas, Farm (see Farm Northern Kakamas), 20.5 km NW Kakamas		28° 39' 00" S 20° 26' 00" E	
Northern Sewage Works (see Seacow Lake), Durban, Seacow Lake		29° 52' 00" S 31° 00' 00" E	
North-West province			
Norvalspont		30° 38' 00" S 25° 27' 00" E	1296 m

Nossob camp (see Kameelsleep)		25° 50' 00" S 20° 44' 00" E	
Nossob camp, 31 km WNW (see Bayip)		25° 17' 00" S 20° 13' 00" E	
Nossob camp, 4 km S (see Rooikop)		25° 27' 00" S 20° 34' 00" E	
Nossob camp, 60 km NW (see Dankbaar Windmill)		25° 03' 00" S 20° 08' 00" E	
Nossob, 4 km S (see Rooikop)		25° 27' 00" S 20° 34' 00" E	
Nossob, 6 km SE (see Marie se Gat)		25° 38' 00" S 20° 38' 00" E	
Nossob, 60 km NW		25° 25' 00" S 20° 36' 00" E	
Nottingham Road (see also: Nottingham weg)		29° 21' 00" S 30° 00' 00" E	
Nottingham weg (see Nottingham Road)		29° 21' 00" S 30° 00' 00" E	1533 m
Noupoor			
Nova, Farm 667 (see Farm Nova 667), Ladybrand		29° 07' 30" S 27° 22' 30" E	
Nqubevu mine (see Ngubevu Mine), Tugela		28° 44' 00" S 30° 36' 00" E	
Nqutu (see also: Ngutu)		28° 12' 44" S 30° 40' 31" E	1336 m
Nsemani Windmill		24° 23' 36" S 31° 42' 54" E	
Nshongweni (see Ntshongweni Dam)		29° 51' 00" S 30° 42' 36" E	290 m
Nshongweni Dam (see Ntshongweni Dam)		29° 51' 00" S 30° 42' 36" E	290 m
Nsuze river (see also: Insusie Valley, Insuzi river)		28° 53' 00" S 31° 03' 00" E	
Ntambanana [farmstead], Mtonjaneni (see also: Empangeni, 17 km N, 15 km W)		28° 36' 13" S 31° 44' 32" E	250 m
Ntshongweni Dam (see also: Nshongweni, Nshongweni Dam , Shongweni , Shongweni Dam)		29° 51' 00" S 30° 42' 36" E	290 m
Ntsizwe mine		30° 28' 56" S 29° 09' 57" E	1512 m
Ntswiriri Dam, Tshokwane area (see also: Tswiriri Dam)		24° 51' 43" S 31° 37' 38" E	
N'Wambiya Pan		22° 40' 40" S 31° 22' 10" E	
N'Wambu Windmill		23° 22' 10" S 31° 19' 08" E	
Nwanedi, Messina		22° 38' 36" S 30° 23' 51" E	
Nwanedsi-ruskamp (see Nwanedzi Camp)		24° 27' 00" S 31° 58' 00" E	
Nwanedzi Camp (see also: Esweni Camp, Ngwanedzi Camp, Nwanedsi-ruskamp)		24° 27' 00" S 31° 58' 00" E	
Nwanedzi Camp, dam 1 km NWN		24° 27' 00" S 31° 58' 00" E	
Nwanedzi River, old bridge over, 8 km E Satara		24° 24' 00" S 31° 50' 00" E	
Nwanedzi, 3 km SE		24° 28' 00" S 31° 59' 00" E	
N'Wanetsi Gorge		24° 27' 13" S 31° 58' 54" E	
Nwanetzi, 1 km N		24° 27' 00" S 31° 58' 00" E	
Nwaswitshaka [intermittent stream]		25° 01' 00" S 31° 34' 00" E	
N'Waswitshaka Experimental Burn Plots		25° 04' 48" S 31° 22' 54" E	
Nyala and Main Roads junction		22° 25' 00" S 31° 18' 00" E	
Nyalazi Forest (see Nyalazi Staatsbos)		28° 09' 00" S 32° 23' 00" E	
Nyalazi Staatsbos (see also: Nyalazi Forest)		28° 09' 00" S 32° 23' 00" E	
Nydas, Farm (see Farm Cnydas), 12 km NW Lutzput		28° 22' 00" S 20° 34' 00" E	
Nyellele River, Soutpansberg		22° 55' 00" S 30° 22' 00" E	
Nyls Vly Farm (see Nylsvlei Farm), Potgietersrus-Naboomspruit		24° 39' 00" S 28° 42' 00" E	
Nylstroom		24° 42' 00" S 28° 24' 00" E	1178 m
Nylstroom, 3 km NW (see Modimolle, 3 km NW)		24° 40' 20" S 28° 22' 38" E	1350 m
Nylsvlei Farm, Potgietersrus-Naboomspruit (see also: Farm Nyls Vly, Farm Nylsvlei, Nyls Vly Farm, Nylsvlei Nature Reserve, Nylsvlei Provincal Nature Reserve)		24° 39' 00" S 28° 42' 00" E	
Nylsvlei Nature Reserve (see Nylsvlei Farm), Potgietersrus-Naboomspruit		24° 40' 00" S 28° 43' 00" E	
Nylsvlei Provincal Nature Reserve (see Nylsvlei Farm), Potgietersrus-Naboomspruit		24° 39' 00" S 28° 42' 00" E	
O.R. Tambo district			
Ocean View Farm		30° 20' 20" S 30° 43' 52" E	
Ofcolaco, 13 km SW (see Farm Cyprus 68)		24° 11' 00" S 30° 17' 00" E	
OFD workings, Krugersdorp		26° 04' 00" S 27° 45' 00" E	
Ohhrigstad, 19 km SSE (see Farm Klipfontein 407)		24° 33' 28" S 30° 36' 28" E	
Ohkotso Boekenhoutskloof, Farm (see Farm Boekenhoutskloof), Cullinan		25° 31' 00" S 28° 25' 00" E	
Ohkotso, Farm (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road		25° 37' 00" S 28° 37' 00" E	
Okiep (see also: Ookiep, O'Okiep)		29° 35' 40" S 17° 52' 54" E	
Old Bridge Nwanedzir	ca.	24° 23' 00" S 31° 47' 00" E	
Old Culling camp		22° 25' 00" S 31° 15' 00" E	
Old Fig Tree Forest (see also: Old Figtree forest)		22° 25' 00" S 31° 11' 00" E	
Old Figtree forest (see Old Fig Tree Forest)		22° 25' 00" S 31° 11' 00" E	

old mine near Doodskloof river, Richtersveld		28° 52' 30" S 17° 07' 30" E	
Old Picnic Site, Luvuvhu River		22° 25' 18" S 31° 12' 49" E	
Olifants		24° 00' 20" S 31° 44' 26" E	
Olifants Camp, 7 km W (see also: Olifants Rest Camp, 7 km W)		24° 01' 00" S 31° 39' 00" E	
Olifants Rest Camp, 7 km W (see Olifants Camp, 7 km W)		24° 01' 00" S 31° 39' 00" E	
Olifants River, Pretoria district		25° 37' 30" S 28° 07' 30" E	
Olifants River, Clanwilliam		32° 21' 00" S 18° 57' 00" E	
Olifants, 7 km W		24° 00' 17" S 31° 40' 01" E	
Olifants, 7 km W			
Olifantsfontein, Johannesburg		26° 12' 00" S 28° 05' 00" E	
Olifantspoort, Farm 328 (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg		25° 50' 00" S 27° 15' 00" E	
Oliphantspoort, Olifantspruit			
Olivewood, Farm 284 (see Farm Olivewood 284), 15 km WNW Hotazel		27° 12' 00" S 22° 48' 00" E	
Olyvekloof, Farm 184 (see Farm Olyvekloof 184)		31° 07' 00" S 26° 52' 00" E	
Omdraaivlei Farm, Briststown		30° 05' 00" S 23° 08' 00" E	
Onder Downs, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia		31° 31' 06" S 19° 31' 06" E	
Onderdownes Wes, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia		31° 31' 06" S 19° 31' 06" E	
Onder-Downes, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia		31° 31' 06" S 19° 31' 06" E	
Onder-Sabie (see also: Laer Sabie Ruskamp, Lower Sabie, Lower Sabie Rest Camp, Lower Sabie Ruskamp , Onder-Sabie Ruskamp)		25° 07' 00" S 31° 55' 00" E	
Onder-Sabie Ruskamp (see Onder-Sabie)		25° 07' 00" S 31° 55' 00" E	
Onderstepoort, Pretoria		25° 39' 02" S 28° 11' 03" E	1196 m
Onverwacht, Farm 544JT (see Farm Onverwacht 544JT), Sjonajona		25° 45' 38" S 30° 42' 05" E	
Oograbies West, Farm 153 (see Farm Oograbies West 153)		29° 12' 00" S 17° 05' 00" E	
Ookiep (see Okiep)		29° 35' 40" S 17° 52' 54" E	
O'Okiep (see Okiep)		29° 35' 40" S 17° 52' 54" E	
Oos-Londen (see East London)		33° 00' 00" S 27° 55' 00" E	0 m
Orange Grove, Farm (see Farm Orange Grove)		30° 03' 44" S 24° 40' 06" E	1173 m
Orange River confluence, Bethlehem		28° 14' 00" S 28° 18' 00" E	
Orange River Station, Alfalfa, Hopetown		29° 37' 30" S 24° 07' 30" E	
Orange River, near south bank, Upington		28° 28' 00" S 21° 14' 00" E	800 m
Oribi Gorge Nature Reserve, Port Shepstone (see also: Oribi Gorge Ranch, Oribi-Lind Valley Game Ranch)		30° 43' 00" S 30° 16' 00" E	
Oribi Gorge Ranch (see Oribi Gorge Nature Reserve), near Port Shepstone		30° 42' 00" S 30° 13' 48" E	
Oribi-Lind Valley Game Ranch (see Oribi Gorge Nature Reserve), Port Shepstone		30° 42' 00" S 30° 13' 48" E	
Orpan, 14 km N (see Orpen, 14 km N)	ca.	24° 34' 42" S 31° 53' 46" E	
Orpen Gate, 14 km N (see Mnangadyana Koppie, cave)		24° 21' 00" S 31° 24' 00" E	
Orpen, 14 km N (see also: Orpan, 14 km N)	ca.	24° 34' 42" S 31° 53' 46" E	
Orrelgat cave, 6.6 km N, 5.8 km W Platbakkies (see also: Platbakkies, 6.6 km N, 5.8 km W, Witwater, 25 mi [=40 km] E)		30° 15' 00" S 18° 26' 00" E	975 m
Othawo, Farm 242 (see Farm Othawo 242), 16 km N Newington		24° 45' 00" S 31° 26' 00" E	
Ottershoop		30° 30' 00" S 22° 51' 00" E	
Ottos Bluff (see Farm Otto's Bluff), Pietermaritzburg		29° 30' 00" S 30° 21' 00" E	1188 m
Otto's Bluff Farm (see Farm Otto's Bluff), 15 km NNW Pietermaritzburg		29° 30' 00" S 30° 21' 00" E	1188 m
Ottoshoop		25° 45' 00" S 25° 57' 00" E	1417 m
Oudtshoorn (see also: De Hoek, Skeleton Cave)		33° 35' 00" S 22° 12' 00" E	328 m
Overberg district			
Overport		29° 50' 20" S 30° 59' 24" E	
P.K. Le Roux Dam, Petrusville, 8.0 km E (see also: Le Roux Dam, Petrusville, 8.0 km E)		30° 05' 00" S 24° 45' 00" E	1150 m
Paddagat		31° 08' 00" S 18° 11' 00" E	240 m
Pafuri		22° 24' 36" S 31° 06' 36" E	
Pafuri area		22° 25' 30" S 31° 12' 30" E	
Pafuri area (II)		22° 27' 00" S 31° 18' 00" E	
Pafuri area (III)		22° 24' 10" S 31° 15' 13" E	
Pafuri, Bridge		22° 25' 00" S 31° 11' 00" E	
Pafuri, upstream site		22° 25' 00" S 31° 11' 00" E	

Pakhuis Pass, Kliphuis camp site, 12 km ENE Clanwilliam (see also: Clanwilliam, 12 km ENE)		32° 08' 10" S 19° 00' 10" E	693 m
Palala-Koedoesloop Rivers confluence, 65 km N Vaalwater		23° 48' 00" S 28° 15' 00" E	
Palmiet Nature Reserve		29° 50' 00" S 30° 56' 00" E	168 m
Paradise Valley Nature Reserve		29° 48' 00" S 30° 53' 00" E	274 m
Park Rynie (see also: Renie Park, Rynie Park)	ca.	30° 19' 00" S 30° 44' 00" E	
Parsons Rust, Farm 465 (see Farm Parsons Rust 465), Vredefort		26° 53' 00" S 27° 19' 00" E	
Patensie (see also: Patentie)		33° 45' 20" S 24° 49' 06" E	142 m
Patentie (see Patensie)		33° 45' 20" S 24° 49' 06" E	142 m
Paterson, 18.8 km N, 27.2 km W (see Farm Vygeboom 326)		33° 16' 08" S 25° 40' 31" E	750 m
Paulpietersburg, 30 km NW (see Pongola Bush Nature Reserve)	ca.	27° 19' 06" S 30° 30' 22" E	1404 m
Peddie		33° 12' 00" S 27° 07' 00" E	300 m
Pennington [railroad siding], 48 km NE Port Shepstone (see also: Port Shepstone, 48 km NE, Shepstone, 48 km NE)		30° 23' 00" S 30° 42' 00" E	
Pepercorn's cave (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Peperhoek, Farm 729 (see Farm Peperhoek 729), Fauresmith		29° 37' 30" S 24° 22' 30" E	
Peppercorn Cave (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Peppercorn's cave (see Farm Makapansgat 39), 16 km NE Potgietersrus		24° 09' 00" S 29° 11' 00" E	1604 m
Percy Fyfe Nature Reserve, Potgietersrus		24° 03' 00" S 29° 08' 00" E	
Perkeo, Farm 223KT (see Farm Perkeo 223KT)		24° 28' 00" S 30° 36' 00" E	
Perna Perna Resort		28° 22' 43" S 32° 24' 40" E	23 m
Perseverance Junction (see Pickford, Farm)		33° 49' 00" S 25° 32' 00" E	
Petrusburg		29° 07' 00" S 25° 25' 00" E	1263 m
Petrusville		30° 04' 54" S 24° 39' 30" E	1189 m
Petrusville, 10.8 km S, 10.7 km E (see Farm Kleintuinfontein)		30° 10' 42" S 24° 46' 13" E	3900 ft
Petrusville, 2.2 km N, 0.9 km E (see Farm Orange Grove)		30° 03' 44" S 24° 40' 06" E	1173 m
Petrusville, 2.5 km N, 8.5 km E (see Rolfontein Nature Reserve)		30° 04' 00" S 24° 45' 00" E	1175 m
Petrusville, 8.0 km E (see P.K. Le Roux Dam)		30° 05' 00" S 24° 45' 00" E	1150 m
Phalaborwa Staff Village		23° 56' 18" S 31° 09' 44" E	
Phalaborwa, 12 km E		23° 57' 00" S 31° 07' 00" E	
Phalaborwa, 13 km S		24° 03' 00" S 31° 06' 00" E	
Phalaborwa, 20 km S	ca.	24° 06' 55" S 31° 04' 57" E	
Phalaborwa, 40 km N (see Letaba Ranch)		23° 36' 44" S 31° 05' 20" E	
Philippolis		30° 16' 00" S 25° 17' 00" E	1443 m
Phinda Game Reserve		27° 51' 49" S 32° 16' 29" E	
Phinda Game Reserve, cave 3		27° 51' 17" S 32° 16' 32" E	
Phinda Game Reserve, Forest Lodge		27° 46' 39" S 32° 20' 58" E	65 m
Phinda Mountain Lodge		27° 53' 02" S 32° 16' 58" E	
Phinda Rock Lodge		27° 52' 46" S 32° 16' 45" E	57 m
Phoenix, N of Durban		29° 42' 14" S 31° 00' 13" E	
Pickford, Farm (see Pickford, Farm), 12 mi N Port Elizabeth (see also: Perseverance Junction, Pickford, Farm, Port Elizabeth, 12 mi N)		33° 49' 00" S 25° 32' 00" E	
Picnic site		22° 25' 00" S 31° 15' 00" E	
Piet Retief		27° 00' 00" S 30° 48' 00" E	1300 m
Pietermaritsburg (see Pietermaritzburg)		29° 37' 00" S 30° 23' 00" E	
Pietermaritzburg (see also: Maritzburg, Pietermaritsburg)		29° 37' 00" S 30° 23' 00" E	
Pietermaritzburg area	ca.	29° 37' 00" S 30° 23' 00" E	
Pietermaritzburg University Campus		29° 36' 00" S 30° 23' 00" E	670 m
Pietermaritzburg, 13.0 km E (see Doornhoek mine)		29° 36' 00" S 30° 31' 00" E	535 m
Pietermaritzburg, 15 km N (see Saxony Cave)		29° 28' 00" S 30° 20' 00" E	790 m
Pietermaritzburg, 15 km NNW (see Farm Otto's Bluff), Pietermaritzburg		29° 30' 00" S 30° 21' 00" E	1188 m
Pietermaritzburg, 16 km NNE		29° 29' 00" S 30° 26' 48" E	
Pietermaritzburg, 18 km N	ca.	29° 29' 23" S 30° 23' 27" E	
Pietermaritzburg, 2 km N (see Town Bush cave)		29° 31' 00" S 30° 18' 00" E	
Pietermaritzburg, 20 km ENE	ca.	29° 26' 31" S 30° 29' 23" E	
Pietermaritzburg, 23 km N (see Table Mountain Pothole)		29° 36' 00" S 30° 36' 00" E	915 m
Pietermaritzburg, 25 km E (see Nagle Dam)		29° 36' 00" S 30° 38' 00" E	365 m
Pietermaritzburg, 6 km S, 8 km E (see Ashburton, Farm)		29° 40' 00" S 30° 28' 00" E	760 m
Pietersburg (see Polokwane)		23° 54' 00" S 29° 27' 00" E	1281 m

Pietersburg, 40 - 46 km N (see Louis Trichardt Road)		23° 03' 00" S 29° 54' 00" E	954 m
Pietersburg, 40 km N (see Polokwane, 40 km N), on Louis Trichard Road		23° 36' 00" S 29° 40' 00" E	
Pietersburg, 5 km S (see Soekmekaar)		23° 29' 00" S 29° 56' 00" E	1193 m
Pietersburg, farm near	ca.	23° 54' 00" S 29° 27' 00" E	
Pigeon Valley (see Pigeon Valley Park), Durban		29° 52' 00" S 31° 00' 00" E	96 m
Pigeon Valley Park, Durban, Glenwood (see also: Pigeon Valley)		29° 51' 53" S 30° 59' 13" E	96 m
Piketberg, 15.2 km N, 3.5 km W (see Farm Mouton's Valley A80)		32° 46' 11" S 18° 43' 08" E	545 m
Piketburg (see Farm Groote Drift), SE Elandsbaai		32° 26' 00" S 18° 27' 00" E	10 m
Pilanesberg Game Reserve (see also: Pilanesberg National Park, Pilanesburg Nature Reserve)		25° 15' 00" S 27° 05' 00" E	
Pilanesberg National Park (see Pilanesberg Game Reserve)		25° 15' 00" S 27° 05' 00" E	
Pilanesburg Nature Reserve (see Pilanesberg Game Reserve), Old mine audit		25° 07' 30" S 27° 07' 30" E	
Pinehurst, Farm 291 (see Farm Pinehurst 291), Ladybrand		29° 07' 30" S 27° 22' 30" E	
Pinetown		29° 49' 00" S 30° 51' 00" E	
Pirie Forest, near King William's Town		32° 46' 00" S 27° 15' 00" E	1100 m
Pirie Mission, 16 km NW King Williams Town (see also: King William's Town, 16 km NW)		32° 47' 00" S 27° 13' 00" E	728 m
Pirie Trout hatchery, 13.9 km N, 9.9 km W King William's Town (see also: King William's Town, 13.9 km N, 9.9 km W)		32° 45' 05" S 27° 17' 14" E	560 m
Pixley ka Seme district			
Platbakkies, 6.6 km N, 5.8 km W (see Orrelgat cave)		30° 15' 00" S 18° 26' 00" E	975 m
Platbos, Farm (see Farm Platbos), 32 km NW Vaalwater; Waterberg		24° 13' 00" S 27° 52' 00" E	
Pleasant, mount (see Cullendale)		32° 39' 00" S 26° 11' 00" E	685 m
Plettenberg Bay, 10.3 km N, 34.7 km E (see Lottering Forest Reserve)		33° 57' 54" S 23° 44' 46" E	240 m
Plettenberg Bay, 6 km N, 2.5 km E (see Keurbooms Nature Reserve)		34° 00' 00" S 23° 24' 00" E	20 m
Poenskop, 3.3 km N, 6.1 km E Port St. Johns (see also: Port St. Johns, 3.3 km N, 6.1 km E)		31° 35' 39" S 29° 36' 21" E	4 m
Pofadder, 50 km N, 10 km E (see Farm Steyerskraal)		28° 40' 00" S 19° 30' 00" E	500 m
Point Caravan Park		31° 04' 00" S 30° 10' 00" E	5 m
Polokwane (see also: Pietersburg)		23° 54' 00" S 29° 27' 00" E	1281 m
Polokwane, 40 - 46 km N (see Louis Trichardt Road)		23° 03' 00" S 29° 54' 00" E	954 m
Polokwane, 40 km N, on Louis Trichard Road (see also: Pietersburg, 40 km N)		23° 36' 00" S 29° 40' 00" E	
Pondoland (see also: Pongoland)		31° 20' 00" S 29° 30' 00" E	
Pongola, 9 Jan Kemlaan		27° 23' 00" S 31° 37' 00" E	284 m
Pongola Biosphere Reserve, Mpalane Lodge, 25 km N Mkuze (see also: Mkuze, 25 km N, Mpalane Lodge)	ca.	27° 23' 44" S 32° 04' 22" E	172 m
Pongola Bush Nature Reserve, 30 km NW Paulpietersburg (see also: Paulpietersburg, 30 km NW)	ca.	27° 19' 06" S 30° 30' 22" E	1404 m
Pongola dam (see Pongolapoort Dam), Pongola, Jozini		27° 25' 08" S 32° 04' 16" E	122 m
Pongola Nature Reserve	ca.	27° 23' 44" S 32° 04' 22" E	
Pongola River Bridge, on Jozini - Kosi Road		27° 02' 13" S 32° 15' 58" E	37 m
Pongola, 50 km SW (see Ithala Game Reserve)		27° 33' 36" S 31° 12' 36" E	922 m
Pongoland (see Pondoland)		31° 20' 00" S 29° 30' 00" E	
Pongolapoort Dam, Pongola, Jozini (see also: Pongola dam)		27° 25' 08" S 32° 04' 16" E	122 m
Pongolapoortdam, Pongola, Jozini (see also: J.G. Strijdomdam, Jozini Dam, Jozini reservoir, Jozini, lake)		27° 25' 00" S 31° 58' 00" E	122 m
Port Alfred (see also: Kowie, The Kowie)		33° 36' 00" S 26° 54' 00" E	30 m
Port Durnford		28° 54' 00" S 31° 49' 00" E	41 m
Port Durnford Forest Reserve		28° 53' 00" S 31° 51' 00" E	
Port Edward		31° 03' 03" S 30° 13' 41" E	
Port Edward area	ca.	31° 04' 00" S 30° 10' 00" E	
Port Elisabeth		33° 58' 00" S 25° 35' 00" E	29 m
Port Elisabeth, 20 mi [=32 km] W (see Farm Nico Smith)		33° 59' 12" S 25° 17' 48" E	
Port Elisabeth, 20 mi [=32 km] W (see Maitland Mines)	ca.	33° 59' 12" S 25° 17' 48" E	
Port Elisabeth, 26 mi [=42 km] W (see Van Staden's Valley)		33° 54' 00" S 25° 12' 00" E	430 m

Port Elizabeth	ca.	33° 58' 00" S 25° 38' 00" E	29 m
Port Elizabeth, 12 mi N (see Pickford, Farm)		33° 49' 00" S 25° 32' 00" E	
Port Natal (see Durban)		29° 51' 00" S 31° 01' 00" E	
Port Natal, near (see Durban, near)	ca.	29° 52' 00" S 31° 00' 00" E	
Port Nolloth		29° 16' 00" S 16° 52' 00" E	10 m
Port Nolloth, 15 mi [=24 km] inland		29° 17' 00" S 16° 51' 00" E	
Port Saint John's (see also: Port Saint Johns, Port St. Johns, Umzimbuvu)		31° 38' 00" S 29° 32' 00" E	121 m
Port Saint Johns (see Port Saint John's)		31° 38' 00" S 29° 32' 00" E	121 m
Port Shepstone		30° 44' 29" S 30° 27' 18" E	0 m
Port Shepstone, 16 mi [=26 km] NE (see Umzumbi Mission)	ca.	30° 34' 00" S 30° 26' 00" E	
Port Shepstone, 48 km NE (see Pennington [railroad siding])		30° 23' 00" S 30° 42' 00" E	
Port St. Johns (see Port Saint John's)		31° 38' 00" S 29° 32' 00" E	121 m
Port St. Johns, 3.3 km N, 6.1 km E (see Poenskop)		31° 35' 39" S 29° 36' 21" E	4 m
Postberg Nature Reserve, Langebaan		33° 07' 00" S 18° 00' 00" E	
Postmasburg, 25 km ENE (see Farm Mimosa 454)		28° 11' 00" S 23° 19' 00" E	
Postmasburg, 5.5 km NE (see Gatkoppies)		28° 18' 00" S 23° 07' 00" E	
Potchefstroom, Potchefstroom; Kleinfontein		26° 43' 00" S 27° 06' 00" E	1341 m
Potchefstroom, 14 km SSE (see Farm Nooitgedacht 508)		26° 55' 12" S 27° 10' 12" E	
Potchefstroom, 24 km E (see Farm Witpoort 419)		26° 39' 00" S 27° 20' 00" E	
Potchefstroom, 24 km N (see Frederikstad)		26° 30' 00" S 27° 09' 00" E	
Potgietersrus		24° 11' 00" S 29° 01' 00" E	1204 m
Potgietersrus, 16 km NE (see Farm Makapansgat 39)		24° 09' 00" S 29° 11' 00" E	1604 m
Potgietersrus, 20 km N (see Wonderkop Nature Reserve)		23° 12' 50" S 28° 39' 30" E	
Potgietersrus, 24 km SE (see Farm Modderfontein)		24° 20' 00" S 29° 12' 00" E	
Potgietersrus, 25 km ESE (see Farm Groothoek 99)		24° 21' 00" S 29° 07' 48" E	
Potgietersrus, 37 km NW (see Ubumanzi Game Farm)		24° 12' 00" S 28° 35' 00" E	
Potgietersrus, 5 km N		24° 08' 00" S 29° 00' 00" E	
Pretoria		25° 42' 25" S 28° 13' 46" E	1271 m
Pretoria - Kameeldrif, between	ca.	25° 43' 18" S 28° 03' 36" E	
Pretoria Boy's High School		25° 45' 31" S 28° 13' 47" E	1368 m
Pretoria district	ca.	25° 42' 25" S 28° 13' 46" E	
Pretoria North, Pretoria		25° 39' 44" S 28° 09' 55" E	1222 m
Pretoria Zoo's farm, 6 km NE Lichtenburg (see also: Lichtenburg, 6 km NE)		26° 07' 00" S 26° 12' 00" E	
Pretoria, 17 km W (see Schurweberg)		25° 48' 39" S 28° 00' 27" E	
Pretoria, 19 km NE (see Farm Baviaanspoort 330)		25° 40' 48" S 28° 21' 36" E	
Pretoria, 21 km NE (see Baviaanspoort Sewage Works)		25° 41' 25" S 28° 21' 47" E	
Pretoria, 30 mi [=48 km] SW	ca.	25° 59' 07" S 27° 57' 57" E	
Pretoria, 30 mi [=48 km] WSW (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
Pretoria, 32 mi [=51 km] W (see Farm Uitkomst 499)		25° 54' 00" S 27° 46' 00" E	
Pretoria, 32.6 km from (see Farm Ohkotso), on Molopo Road		25° 37' 00" S 28° 37' 00" E	
Pretoria, 6 mi [=9.6 km] W	ca.	25° 44' 44" S 28° 05' 09" E	
Pretoria, near			
Pretorius Kop Rest Camp (see Pretoriuskop)		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop (see also: Pretorius Kop Rest Camp, Pretoriuskop Rest Camp, Pretoriuskop Ruskamp)		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop Rest Camp (see Pretoriuskop)		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop Ruskamp (see Pretoriuskop)		25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop section		25° 03' 38" S 31° 19' 19" E	
Pretty View, Farm (see Farm Pretty View)		32° 29' 49" S 26° 42' 14" E	850 m
Prieska, 20 km SE (see Farm Keikamspoort 71)		29° 53' 00" S 22° 52' 00" E	
Prince Albert, 3.7 km S, 3.2 km W (see Farm Scholtze Kloof 154)		33° 15' 36" S 21° 59' 47" E	675 m
Prince Albert, 4.0 km S, 13.9 km W (see Farm Vrisgewaagd 152)		33° 15' 47" S 21° 52' 57" E	600 m
Punda Malia (see Punda Maria)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maliya (see Punda Maria)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria (see also: Punda Malia, Punda Maliya, Punda Maria Camp, Punda Maria Rest Camp, Punda Maria-ruskamp)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria Camp (see Punda Maria)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria camp, 2 km N		22° 41' 00" S 31° 02' 00" E	
Punda Maria Rest Camp (see Punda Maria)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria Shop		22° 44' 15" S 31° 00' 32" E	
Punda Maria, 15 km E		22° 41' 00" S 31° 02' 00" E	
Punda Maria, 18 km SE (see Magamba windmill)		22° 25' 00" S 31° 11' 30" E	

Punda Maria, 2.5 km NE (see Maditobe Dam), Mahogany Drive		22° 41' 00" S 31° 02' 00" E	
Punda Maria, 3 km NW (see Maditobe Pan)		22° 41' 00" S 31° 02' 00" E	
Punda Maria, 5 km NW (see Shashanga windmill)		22° 39' 00" S 30° 59' 00" E	
Punda Maria, 7 km N (see Mahembane)		22° 39' 00" S 31° 02' 00" E	
Punda Maria-ruskamp (see Punda Maria)		22° 41' 00" S 31° 01' 00" E	580 m
Punda Milia, near Punda Maria (see also: Punda Milia Camp, Punda Milia Police post, Punda Milia, pumphouse)		22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia Camp (see Punda Milia)		22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia Police post (see Punda Milia)		22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia, 16 km NNE (see Tshalungwa Fountain)		22° 32' 56" S 31° 04' 22" E	
Punda Milia, 2 km N (see Mahogany Drive)		22° 40' 36" S 31° 01' 07" E	
Punda Milia, 5 km NW (see Matukwala Dam)		22° 40' 56" S 30° 57' 46" E	
Punda Milia, pumphouse (see Punda Milia)		22° 41' 51" S 31° 01' 12" E	580 m
Queen Elizabeth Park, Pietermaritzburg		29° 33' 00" S 30° 19' 00" E	
Queensburgh		29° 51' 00" S 30° 54' 00" E	
Queenswood, Pretoria		25° 44' 00" S 28° 15' 00" E	1369 m
Qwa-Qwa National Park, Schuinskop		28° 22' 30" S 28° 52' 30" E	
Qwa-Qwa National Park (see Golden Gate Highlands National Park)		28° 30' 15" S 28° 36' 09" E	
Rackpoort Guano Cave (see Rockport Guano Cave)			
Randstephne, Farm 455KQ (see Farm Randstephne 455KQ)		24° 36' 58" S 27° 39' 31" E	993 m
Rangerton, Farm (see Farm Rangerton)		32° 36' 44" S 27° 39' 50" E	740 m
Ranshas Ld		25° 20' 00" S 30° 20' 00" E	
Ratelfontein, Farm (see Farm Ratelfontein)		34° 44' 50" S 19° 41' 45" E	30 m
Ratsegaai, Farm 204 (see Farm Ratsegaai 204), 13 km W Ventersdorp		26° 22' 00" S 26° 44' 00" E	
Ratzschitz Mission Church (see Maria Ratschitz Mission Church)		28° 13' 32" S 30° 01' 21" E	
Red Hill		29° 46' 34" S 31° 01' 39" E	252 m
Reddersberg			
Reddersburg (see also: Reddersburgh Farm)		29° 39' 11" S 26° 10' 04" E	1402 m
Reddersburgh Farm (see Reddersburg)		29° 39' 11" S 26° 10' 04" E	1402 m
Redelinghuys, 20.0 km N, 3 km E (see Sandberg)		32° 17' 00" S 18° 35' 00" E	100 m
Regina, Farm 68 [=V.L.N.R.] (see Farm Regina 68 [=V.L.N.R.]), 32 km NE Alldays		22° 22' 48" S 29° 16' 12" E	
Reivilo, 9 (or 19?) km SW (see Farm Grootfontein)		27° 39' 00" S 24° 00' 00" E	
Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ (see Farm Fourwinds)		25° 49' 48" S 27° 40' 12" E	
Renie Park (see Park Rynie), near Mkomazi river	ca.	30° 19' 00" S 30° 44' 00" E	
Renishaw [railroad siding]		30° 16' 00" S 30° 45' 00" E	
Renosterkoppies, 15 km S Skukuza (see also: Rhenosterkoppies, Skukuza, 15 km S)		25° 07' 37" S 31° 36' 06" E	
Renosterkoppies, 15 km S, Witrivier		25° 08' 00" S 31° 37' 00" E	
Research camp		22° 25' 00" S 31° 18' 00" E	
Reservoir Hills		29° 48' 25" S 30° 56' 32" E	155 m
Retiefkloof (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg		25° 50' 00" S 27° 15' 00" E	
Rhebok Plaat Berg, 1.2 km S, 0.2 km E Elandsbaai (see also: Elandsbaai, 1.2 km S, 0.2 km E)		32° 19' 19" S 18° 20' 29" E	60 m
Rhenlagen, Uvong	ca.	30° 49' 56" S 30° 23' 02" E	
Rhenosterfontein; Farm (see Farm Rhenosterfontein), Potchefstroom		26° 34' 00" S 27° 31' 00" E	
Rhenosterkoppies (see Renosterkoppies), 15 km S Skukuza		25° 07' 37" S 31° 36' 06" E	
Rhenosterspruit, Farm 59JQ (see Farm Rhenosterspruit 59JQ)		25° 22' 30" S 27° 07' 30" E	
Rhin. Z.			
Rhoda, Farm 9 (see Farm Rhoda 9), 13 km S Phalaborwa		24° 03' 00" S 31° 06' 00" E	
Rhodes University, near Hamilton Reserve		33° 18' 00" S 26° 31' 00" E	530 m
Rhodes, village		30° 47' 47" S 27° 58' 04" E	1829 m
Richards Bay (see also: Richardsbaai)		28° 46' 31" S 32° 03' 14" E	11 m
Richardsbaai (see Richards Bay)		28° 46' 31" S 32° 03' 14" E	11 m
Richmond, 17.5 km SSW (see Game Valley Estates), Hella-Hella		29° 54' 00" S 30° 03' 00" E	
Richtersveld, 36.2 km N, 47.5 km E Alexander Bay (see also: Alexander Bay, 36.2 km N, 47.5 km E)		28° 17' 29" S 16° 58' 13" E	480 m
Riebeeckstad, Kroonstad (see also: Riebeekstad)		27° 55' 00" S 26° 49' 00" E	1394 m
Riebeek-Oos, 5 km W (see Farm Mitford Park)		33° 12' 00" S 26° 06' 00" E	700 m
Riebeekstad (see Riebeeckstad), Kroonstad		27° 55' 00" S 26° 49' 00" E	1394 m
Rielpoort		31° 16' 48" S 21° 35' 24" E	

Riemvasmaak, 47 km NW Kakamas		28° 27' 00" S 20° 18' 00" E	653 m
Rietfontein, Farm (see Farm Rietfontein)		32° 38' 00" S 18° 28' 00" E	125 m
Rietfontein, Farm (see Farm Rietfontein), Middleburg		25° 53' 00" S 29° 23' 00" E	
Rietfontein, Farm 404 (see Farm Rietfontein 404), 7 km N Sasolburg		26° 46' 00" S 27° 43' 30" E	
Rietfontein, Farm 536KQ (see Farm Rietfontein 536KQ)		24° 54' 30" S 27° 44' 36" E	
Rietfontein, Farm pt 16 (see Farm Rietfontein, pt 16), Bronkhorstspruit	ca.	25° 48' 00" S 28° 44' 00" E	
Rietgat, Farm plot 102 (see Farm Rietgat, plot 102), Pretoria		25° 43' 00" S 28° 11' 00" E	
Rietondale, 177 Lys Street		25° 44' 00" S 28° 14' 00" E	
Rietvlei Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria		25° 52' 48" S 28° 16' 48" E	
Rissik Private Nature Reserve, 5 mi [=8 km] E Warmbaths (see also: Warmbaths, 5 mi [=8 km] E)		24° 53' 00" S 28° 27' 00" E	
River cave (see Farm Wonderfontein), 48 km E Middelberg		25° 50' 00" S 29° 55' 00" E	
River, Farm 141 MS (see Farm River 141 MS), Soutpansberg		22° 11' 57" S 29° 52' 43" E	
Riversdale, 8.4 km N, 3.0 km W (see Garcia Forest Reserve)		34° 01' 10" S 21° 13' 21" E	160 m
Robertson		33° 48' 00" S 19° 53' 00" E	180 m
Robertson, 12 km S, 0.5 km W (see Vrolijkheid Nature Reserve)		33° 55' 00" S 19° 52' 00" E	221 m
Robertson, 15 km SW (see Vrolijkheid Nature Reserve)		33° 55' 00" S 19° 53' 00" E	221 m
Rochdale, Farm (see Farm Rochdale), 5 mi E Waterpoort		22° 54' 00" S 29° 41' 00" E	
Rocher pan (see Rocher Pan Nature Reserve), 11 km N, 9 km W, Dwarskersbos		32° 37' 00" S 18° 22' 00" E	20 m
Rocher Pan Nature Reserve, 11 km N, 9 km W, Dwarskersbos (see also: Dwarskersbos, 11 km N, 9 km W, Rocher pan, Rocherpan Nature Reserve)		32° 37' 00" S 18° 22' 00" E	20 m
Rocherpan Nature Reserve (see Rocher Pan Nature Reserve), 11 km N, 9 km W, Dwarskersbos (see also: Dwarskersbos, 9.1 km N, 6.6 km E)		32° 36' 00" S 18° 19' 00" E	20 m
Rockcliff farm, Harrismith		28° 37' 00" S 29° 01' 00" E	
Rockport Guano Cave (see also: Rackpoort Guano Cave)			
Rocktail Bay		27° 13' 17" S 32° 47' 36" E	
Rolfontein Nature Reserve, 2.5 km N, 8.5 km E Petrusville (see also: Petrusville, 2.5 km N, 8.5 km E)		30° 04' 00" S 24° 45' 00" E	1175 m
Rolspruit, Farm 127 (see Farm Rolspruit 127), 7 km E Leslie		26° 24' 00" S 29° 00' 00" E	
Roodekopjes, Farm (see Farm Roodekopjes), Amersfoort Dist.		27° 03' 00" S 29° 48' 00" E	
Roodepoort; Farm 386 (see Farm Roodepoort 386), 15 km E Standerton		26° 54' 00" S 29° 22' 00" E	
Roodevaal Private Camp, 2 km SE (see also: Roodeval Camp, 2 km SE, Roodewal private camp, 2 km SE)		24° 08' 00" S 31° 36' 00" E	
Roodeval Camp, 2 km SE (see Roodevaal Private Camp, 2 km SE)		25° 30' 00" S 26° 34' 00" E	
Roodewal private camp, 2 km SE (see Roodevaal Private Camp, 2 km SE)		24° 08' 00" S 31° 36' 00" E	
Rooiberg, 39 km SE Thabazimbi: Waterberg (see also: Rooiberg, Tin mine, Thabazimbi, 39 km SE)		24° 46' 00" S 27° 44' 00" E	1162 m
Rooiberg, 2 mi [=3.2 km] W (see Thabazimbi, 16 mi [=26 km] SE)		24° 47' 01" S 27° 40' 43" E	
Rooiberg, Tin mine (see Rooiberg)		24° 46' 10" S 27° 43' 55" E	1162 m
Rooikop, 4 km S Nossob [=Nossob camp] (see also: Nassob, 4 km S, Nossob camp, 4 km S, Nossob, 4 km S)		25° 27' 00" S 20° 34' 00" E	
Rooikrans, Farm 538 (see Farm Rooikrans 538), Thabazimbi		24° 53' 00" S 27° 39' 00" E	
Rooikranz, Farm 538 (see Farm Rooikrans 538), Thabazimbi		24° 53' 00" S 27° 39' 00" E	
Roossenekal, 40 km N (see De Hoop Nature Reserve)		34° 27' 18" S 20° 23' 57" E	
Roseneath		30° 11' 06" S 30° 44' 37" E	
Rosetta, 26 km W (see Glengarry Park)		30° 15' 00" S 29° 36' 00" E	
Ross Mission			
Rossburgh		29° 54' 21" S 30° 58' 47" E	28 m
Rosslyn, Pretoria		25° 37' 27" S 28° 05' 39" E	1262 m
Rotspruit, Farm (see Farm Rolspruit 127), 7 km E Leslie		26° 24' 00" S 29° 00' 00" E	

Rotterdam, Farm (see Rotterdam, Farm), 10 mi [=16 km] N Thabazimbi (see also: Rotterdam, Farm, Thabazimbi, 10 mi [=16 km] N)		24° 33' 17" S 27° 20' 20" E	
Royal Natal National Park, Khahlamba-Drakensberg Park, 45 km NW Bergville (see also: Bergville, 45 km NW, Natal National Park, Natalse Nasionale Park)		28° 44' 00" S 28° 55' 00" E	1602 m
RR Ranch (see Farm New Belgium 608), 65 km N Vaalwater		23° 53' 00" S 28° 08' 00" E	
Rudyard Cottage, Buzzard Mountain Retreat		23° 01' 35" S 29° 46' 01" E	987 m
Rust de Winter, 16 km SE (see Farm Enkeldoornspoort 207)		25° 18' 00" S 28° 40' 00" E	
Rustenberg, 10 mi [=16 km] SW (see Farm Commissiesdrift 327JQ)		25° 48' 00" S 27° 14' 00" E	
Rustenburg		25° 40' 00" S 27° 14' 00" E	
Rustenburg Nature Reserve, Rustenburg		25° 43' 04" S 27° 11' 16" E	
Rustenburg, 15 km N (see Boekenhoutfontein [farmstead])		25° 13' 00" S 27° 06' 00" E	
Rustenburg, 19 km [=12 mi] S (see Farm Olifantspoort 328)		25° 50' 00" S 27° 15' 00" E	
Rustenburg, 2 mi [=3.2 km] E	ca.	25° 39' 22" S 27° 18' 33" E	
Rykvoorby, Farm 96 (see Farm Rykvoorby 96), 9 km N Zeerust		25° 29' 00" S 26° 04' 00" E	
Rynie Park (see Park Rynie), near Mkomazi river	ca.	30° 19' 00" S 30° 44' 00" E	
S A Lombaard Nature reserve, Bloemhof district		27° 36' 00" S 25° 29' 00" E	
Saarsveld Forestry School (see Saasveld)		33° 57' 00" S 22° 31' 00" E	213 m
Saasveld, 1.6 km N, 5.9 km E George (see also: George, 1.6 km N, 5.9 km E, Saarsveld Forestry School, Saasveld Forestry College, Saasveld Forestry Research Station, Saasveld Forestry School)		33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry College (see Saasveld), George		33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry Research Station (see Saasveld), George		33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry School (see Saasveld), George		33° 57' 00" S 22° 31' 00" E	213 m
Sabi & White Sands rivers confluence, Hazyview		25° 01' 26" S 31° 10' 01" E	
Sabie (see also: Sabie Forest Rest Area)		25° 06' 00" S 30° 48' 00" E	
Sabie Forest Rest Area (see Sabie)		25° 08' 00" S 30° 39' 00" E	
Sabie River, Skukuza camp		24° 57' 00" S 31° 38' 00" E	
Sabie river bank, 8 km NE Skukuza (see also: Skukuza, 8 km NE)		24° 58' 03" S 31° 40' 12" E	
Sabie River, lower	ca.	24° 57' 00" S 31° 38' 00" E	
Sabie River, north bank, 3 km NNE Skukuza (see also: Skukuza, 3 km NNE)		24° 59' 07" S 31° 37' 18" E	
Sabie River, Staff Picnic site, Skukuza		24° 59' 00" S 31° 35' 00" E	
Sabie Sand Private Nature Reserve (see Farm Othawo 242), 16 km N Newington		24° 45' 00" S 31° 26' 00" E	
Saint Lucia (see Saint Lucia Estuary)		28° 22' 07" S 32° 24' 10" E	
Saint Lucia Estuary (see also: Saint Lucia, Saint Lucia Village, Saint Lucia Village Crocodile Centre, St. Lucia, St. Lucia Crocodile centre, St. Lucia Estuary, St. Lucia Lake, St. Lucia Wetland Park, Sugarloaf Camp Site)		28° 22' 07" S 32° 24' 10" E	
Saint Lucia Village (see Saint Lucia Estuary)		28° 22' 07" S 32° 24' 10" E	
Saint Lucia Village Crocodile Centre (see Saint Lucia Estuary)		28° 22' 07" S 32° 24' 10" E	
Saint Winifred's Beach		30° 05' 18" S 30° 51' 14" E	72 m
Saldanha Bay (see also: Saldanhabaai)		33° 03' 00" S 18° 00' 00" E	
Saldanhabaai (see Saldanha Bay)		33° 03' 00" S 18° 00' 00" E	
Sam Knott Nature Reserve, 23.7 km S, 9.7 km E Fort Beaufort (see also: Fort Beaufort, 23.7 km S, 9.7 km E)		32° 56' 29" S 26° 44' 23" E	240 m
Sanbonani, Hazyview		25° 01' 54" S 31° 09' 31" E	
Sand River		22° 25' 12" S 30° 04' 48" E	
Sandberg, 20.0 km N, 3 km E Redelinghuys (see also: Redelinghuys, 20.0 km N, 3 km E)		32° 17' 00" S 18° 35' 00" E	100 m
Sandile's Cave, 17.7 km N, 9.5 km NW King William's Town (see also: King William's Town, 17.7 km N, 9.5 km W, King William's Town, 20 km NNW)		32° 43' 00" S 27° 17' 30" E	800 m
Sandile's Rest Trout and Forest Country Estate		32° 39' 40" S 27° 17' 53" E	
Sandrivierbrug			

Sandspruit Cave (see Farm Sandspruit), 40 mi [=64 km] WNW Warmbad		25° 41' 00" S 27° 55' 00" E	
Sandspruit Cave (see Gatkop cave), 40 mi [=64 km] WNW Warmbad		24° 37' 05" S 27° 39' 08" E	
Sandspruit cave 2, NW of		23° 08' 00" S 28° 24' 00" E	
Sandspruit Cave No. 1 (see Gatkop cave), Rooiberg		24° 37' 05" S 27° 39' 08" E	
Sandspruit Cave No. 2 (see Gatkop cave)		24° 37' 05" S 27° 39' 08" E	
Sandspruit, Farm (see Farm Sandspruit), 40 mi WNW Warmbad		25° 41' 00" S 27° 55' 00" E	
Sandstone cave	ca.	27° 33' 36" S 30° 12' 36" E	
Sarnia		29° 50' 00" S 30° 52' 00" E	
Sarnia road, 28		29° 53' 21" S 30° 58' 59" E	28 m
Sarum, Farm 245LS (see Farm Sarum 245LS), 16 km NW Louis Trichardt; Buzzard Mountain Retreat		23° 02' 00" S 29° 46' 00" E	
SASEX (see Sugar Research Association Estate)		29° 42' 00" S 31° 02' 00" E	
Sasolburg, 7 km N (see Farm Rietfontein 404)		26° 46' 00" S 27° 43' 30" E	
Satara (see Satara Ruskamp)		24° 23' 52" S 31° 46' 42" E	
Satara area	ca.	24° 23' 00" S 31° 47' 00" E	
Satara Rest Camp (see Satara Ruskamp)		24° 23' 52" S 31° 46' 42" E	
Satara Ruskamp (see also: Satara, Satara Rest Camp)		24° 23' 52" S 31° 46' 42" E	
Satara, 8 km E, old bridge over Nwanedzi River		24° 24' 00" S 31° 50' 00" E	
Saxony Cave, 15 km N Pietermaritzburg (see also: Pietermaritzburg, 15 km N)		29° 28' 00" S 30° 20' 00" E	790 m
Schaapplaas, Farm 1785 (see Farm Schaapplaas 1785), Clarens	ca.	28° 34' 28" S 28° 27' 09" E	
Schaapplaats, Farm 930 (see Farm Schaapplaats 930)		27° 55' 42" S 28° 58' 21" E	
Schoemans Farm "Laughing Waters", 18 km S Malelane (see also: Malelane, 18 km S)	ca.	25° 39' 05" S 31° 32' 45" E	
Schoenmakerskop (see Skoenmakerskop)		34° 02' 26" S 25° 32' 39" E	
Scholtze Kloof, Farm 154 (see Farm Scholtze Kloof 154)		33° 15' 36" S 21° 59' 47" E	675 m
Schulp Fontein, Farm 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand		30° 05' 00" S 17° 11' 30" E	
Schulpfontien, Farm 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand		30° 05' 00" S 17° 11' 30" E	
Schurueberg Cave 1 (see Schurweberg caves)		25° 48' 39" S 28° 00' 27" E	
Schurweberg, Pretoria (see also: Pretoria, 17 km W, Schurweberg caves)		25° 48' 39" S 28° 00' 27" E	
Schurweberg caves (see Schurweberg), 17 km W Pretoria (see also: Schurueberg Cave 1)		25° 48' 39" S 28° 00' 27" E	
Schurwepoort, Farm 448 (see Farm Schurwepoort 448), Koppies		27° 25' 00" S 27° 35' 00" E	
Scottburg (see Scottburgh)		30° 17' 00" S 30° 45' 00" E	
Scottburgh (see also: Scottburg, Scottsburgh, Scottsburgh Golf Course)		30° 17' 00" S 30° 45' 00" E	
Scottburgh area, South Coast	ca.	30° 17' 00" S 30° 45' 00" E	
Scottburgh, 14 km SSW (see Umdoni Park)		30° 24' 00" S 30° 41' 00" E	50 m
Scottsburgh (see Scottburgh)		30° 17' 00" S 30° 45' 00" E	
Scottsburgh Golf Course (see Scottburgh)		30° 17' 00" S 30° 45' 00" E	
Scottsville, 26 Hutchinson Road		29° 36' 00" S 30° 26' 00" E	
Scrutton, Farm 23MT (see Farm Scrutton 23MT), 32 km E Messina		22° 21' 00" S 30° 21' 00" E	1450 ft
Sea View (see also: Seaview)		29° 53' 26" S 30° 57' 48" E	
Seacow Lake, Durban (see also: Lake Seacow, Northern Sewage Works)		29° 52' 00" S 31° 00' 00" E	
Seaview (see Sea View)		29° 53' 26" S 30° 57' 48" E	
Sebasa			
Secheili's Oude Stad, Farm 6 (see Farm Secheili's Oude Stad 6), Zeerust		24° 53' 00" S 25° 58' 00" E	
Sederberg [Farmstead] (see also: Cedarberg [Farmstead], Cederberg [Farmstead])		32° 30' 00" S 19° 16' 00" E	
Sedibeng district			
Sekhukhune district (see also: Greater Sekhujhune district)			
Senekal, Asem		28° 19' 00" S 27° 36' 00" E	
Seymour, 6.3 km N, 6.4 km W (see Farm Pretty View)		32° 29' 49" S 26° 42' 14" E	850 m
Sezela, 3 Msinzi Avenue		30° 25' 00" S 30° 41' 00" E	
Sezela Tunnel		30° 25' 00" S 30° 35' 00" E	
Shalungwafontein (see Tshalungwa Fountain), 16 km NNE Punda Milia		22° 32' 56" S 31° 04' 22" E	

Shannon [railroad siding], Bloemfontein		29° 08' 00" S 26° 17' 00" E	
Shashanga windmill, 5 km NW Punda Maria (see also: Punda Maria, 5 km NW)		22° 39' 00" S 30° 59' 00" E	
Shashe and Limpopo junction (see Vhembi), Messina		22° 26' 00" S 29° 22' 00" E	
Shashi-Limpopo River confluence		22° 12' 00" S 29° 22' 00" E	
Sheila, Farm 10 (see Farm Sheila 10), Leydsdorp		24° 03' 00" S 31° 09' 00" E	
Shepstone Nature Reserve, Durban		29° 51' 00" S 31° 00' 00" E	
Shepstone, 48 km NE (see Pennington [railroad siding])		30° 23' 00" S 30° 42' 00" E	
Shihangwane			
Shilouwan (see Shilowa), 40 km S Shingwidzi		23° 27' 00" S 31° 33' 00" E	397 m
Shilowa, 40 km S Shingwidzi (see also: Shilouwan, Shingwidzi, 40 km S)		23° 27' 00" S 31° 33' 00" E	397 m
Shingomeni Out Post, Vlakteplaas area (see also: Xingomeni)		22° 53' 45" S 31° 24' 19" E	
Shingwedzi (see Shingwidzi)		23° 06' 32" S 31° 26' 10" E	
Shingwedzi camp (see Shingwidzi)		23° 06' 32" S 31° 26' 10" E	
Shingwedzi Rest Camp (see Shingwidzi)		23° 06' 32" S 31° 26' 10" E	
Shingwedzi Ruskamp (see Shingwidzi)		23° 06' 32" S 31° 26' 10" E	
Shingwidzi (see also: Shingwedzi, Shingwedzi camp, Shingwedzi Rest Camp, Shingwedzi Ruskamp, Xingwedzi Rest Camp)		23° 06' 32" S 31° 26' 10" E	
Shingwidzi Game Reserve (see also: Malensons Shingwidzi Game Reserve)		23° 11' 00" S 31° 14' 00" E	
Shingwidzi, 40 km S (see Shilowa)		23° 27' 00" S 31° 33' 00" E	397 m
Shirhombe Pan (see Xirhombe Pan)		22° 42' 47" S 31° 22' 51" E	
Shirimantanga, 5.5 mi SE Skukuza (see also: Skukuza Kop, Skukuza Koppies, Skukuza, 5.5 mi [=8.8 km] SE)		25° 06' 00" S 31° 36' 00" E	
Shirombe pan		22° 43' 00" S 31° 23' 00" E	
Shongweni (see Ntshongweni Dam)		29° 51' 00" S 30° 42' 36" E	290 m
Shongweni Dam (see Ntshongweni Dam)		29° 51' 00" S 30° 42' 36" E	290 m
Shongweni Polo Club		29° 46' 49" S 30° 45' 00" E	601 m
Shongweni Resources Reserve		29° 51' 00" S 30° 42' 36" E	
Shore Nature Reserve, 8 km NNE Lake Bangazi (see also: Lake Bangazi, 8 km NNE)		27° 22' 30" S 32° 37' 30" E	
Shore Nature Reserve, NE, 9 km N Lake Bangazi (see also: Lake Bangazi, 9 km N)		27° 22' 00" S 32° 37' 00" E	
Shoshanguve, Pretoria		25° 24' 00" S 28° 04' 00" E	
Sibasa		22° 57' 00" S 30° 28' 00" E	748 m
Sibaya, lake (see also: Lake Sibaya)		27° 20' 00" S 32° 41' 00" E	
Sibengu lodge (see also: Sobhengu Lodge)	ca.	27° 57' 00" S 32° 26' 00" E	41 m
Sibosa			
Sikangwana			
Silverglen Nature Reserve		29° 55' 58" S 30° 52' 35" E	120 m
Simon's Town (see also: Simonstad, Simonstown)		34° 11' 00" S 18° 26' 00" E	0 m
Simonstad (see Simon's Town)		34° 11' 00" S 18° 26' 00" E	0 m
Simonstown (see Simon's Town)		34° 11' 00" S 18° 26' 00" E	0 m
Simuwana		22° 26' 00" S 31° 11' 00" E	
Simuwana ranger's post, 2 km NW (see Luvuvhu hippo pool)		22° 25' 51" S 31° 10' 51" E	
Sinoville, Pretoria		25° 40' 11" S 28° 14' 01" E	1261 m
Sisonke district			
Skoenmakerskop (see also: Schoenmakerskop)		34° 02' 26" S 25° 32' 39" E	
Skoongesig, Farm 360JS (see Farm Skoongesig 360JS), Languitsig		25° 37' 00" S 29° 52' 00" E	
Skukuza (see also: Skukuza Camp, Skukuza lab buildings, Skukuza Staff Picnic Site, Skukuza Staff village, Skukuza Town, Skukuza Township, Skukuza Village)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza area		24° 59' 00" S 31° 35' 00" E	
Skukuza Camp (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza dam, at golf course		24° 59' 05" S 31° 34' 38" E	
Skukuza Kop (see Shirimantanga), 5.5 mi SE Skukuza		25° 06' 00" S 31° 36' 00" E	
Skukuza Koppies (see Shirimantanga), 5.5 mi SE Skukuza		25° 06' 00" S 31° 36' 00" E	
Skukuza lab buildings (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Staff Picnic Site (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Staff village (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Town (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Township (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m

Skukuza Village (see Skukuza)		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza, 1.5 km NW, Dense woodland upper reaches of Western Water Reservoir		24° 59' 50" S 31° 36' 21" E	
Skukuza, 12 km W (see Kruger Gate bridge)		24° 58' 48" S 31° 29' 00" E	
Skukuza, 15 km S (see Renosterkoppies)		25° 07' 37" S 31° 36' 06" E	
Skukuza, 3 km NNE (see Sabie River, north bank)		24° 59' 07" S 31° 37' 18" E	
Skukuza, 5.5 mi [=8.8 km] SE (see Shirimantanga)		25° 06' 00" S 31° 36' 00" E	
Skukuza, 62 km SE (see Komatipoort)		25° 26' 00" S 31° 56' 00" E	137 m
Skukuza, 7 km E, on Sabie river		24° 58' 20" S 31° 39' 43" E	
Skukuza, 8 km NE (see Sabie river bank)		24° 58' 03" S 31° 40' 12" E	
Skukuza, river bank rondawels		24° 59' 41" S 31° 35' 25" E	
Skurweberg cave (see Farm Hennopsriver 489), Pretoria		25° 48' 00" S 27° 59' 00" E	
Slingerpan, Farm (see Farm Slingerpan)		29° 48' 28" S 23° 34' 56" E	1158 m
Slyanda district			
Smithfield (see also: Farm 506 (La Rochelle), Farm La Rochelle 506, La Rochelle, Farm 506)		30° 13' 00" S 26° 32' 00" E	
Sobhengu Lodge (see Sibengu lodge), St. Lucia	ca.	27° 57' 00" S 32° 26' 00" E	41 m
Sodwana Bay, 2.5 km S Jesser Point (see also: Jesser Point, 2.5 km S, Sodwana Bay Estuary, Sordwana Bay, Sordwanabaai)		27° 33' 00" S 32° 40' 00" E	20 m
Sodwana Bay Estuary (see Sodwana Bay)		27° 33' 00" S 32° 40' 00" E	20 m
Soekmekaar, 5 km S Pietersburg (see also: Pietersburg, 5 km S, Zoekmakaar, Zoekmekaar)		23° 29' 00" S 29° 56' 00" E	1193 m
Soetfontein cave, near Postmasburg, Soetfontein Guest Farm		28° 22' 12" S 23° 03' 00" E	
Somerville (mission)		31° 12' 00" S 28° 39' 00" E	1000 m
Somkele		28° 19' 00" S 32° 06' 00" E	110 m
Songimvelo Nature Reserve, Berberton mountains		26° 00' 25" S 30° 55' 20" E	2800 m
Sordwana Bay (see Sodwana Bay)		27° 33' 00" S 32° 40' 00" E	20 m
Sordwanabaai (see Sodwana Bay)		27° 33' 00" S 32° 40' 00" E	20 m
South Africa			
South Cave, 5 km E Metsi Metsi Windmill, on N'Waswitsontso	ca.	24° 47' 29" S 31° 56' 33" E	
Southern district (see Dr Kenneth Kaunda district)			
Soutpansberg (see also: Zoutpansberg)		22° 58' 48" S 30° 15' 00" E	
Sparta, Farm (see Farm Sparta)		24° 48' 00" S 31° 30' 00" E	
Speedwell Mines, 32.5 km N, 12 km E Kranskop (see also: Kranskop, 32.5 km N, 12 km E)		28° 40' 00" S 30° 59' 00" E	950 m
Spioenkop Dam, Mabamnyama Staff House		28° 40' 40" S 29° 30' 35" E	1094 m
Spioenkop Nature Reserve		28° 42' 00" S 29° 15' 00" E	1094 m
Spionkop Lodge, 14 km N Winterton		28° 41' 42" S 29° 32' 08" E	1140 m
Spitskop, Farm 398 (see Farm Spitskop 398), Fauresmith		29° 30' 00" S 25° 59' 00" E	
Spring Grove, Elandslaagte			
Springbok, 10.0 km E (see Hester Malan Veldblomreservaat)		29° 39' 00" S 17° 59' 00" E	1100 m
Springbok, 14 km N, 44 km W		29° 32' 00" S 17° 25' 00" E	500 ft
Springbok, 28 km SSE (see Farm Narap)		29° 53' 00" S 17° 46' 00" E	
Springbok, 7 - 8 mi [=11.3 - 12.8 km] W (see Farm Modder Fontein)		29° 41' 00" S 17° 48' 00" E	
Springbok,10 km S, 3 km W		29° 45' 00" S 17° 51' 00" E	3000 ft
St Lucia Estuary, 8 mi [= 13 km] N		28° 15' 59" S 32° 26' 00" E	
St. Andrews College (Grahamstown)		33° 18' 20" S 26° 31' 10" E	550 m
St. George's Park		33° 58' 00" S 25° 35' 00" E	
St. Lucia (see Saint Lucia Estuary)		28° 22' 07" S 32° 24' 10" E	
St. Lucia Crocodile centre (see Saint Lucia Estuary), Hlabisa district		28° 22' 07" S 32° 24' 10" E	
St. Lucia Estuary (see Saint Lucia Estuary)		28° 23' 00" S 32° 25' 00" E	
St. Lucia Estuary, 12 km N, 8 km E (see Mission Rocks Bats Cave)		28° 16' 00" S 32° 30' 00" E	0 m
St. Lucia estuary, 16 km N (see Mission Rocks Bats Cave)		28° 16' 00" S 32° 30' 00" E	0 m
St. Lucia Forest Station		28° 21' 00" S 32° 24' 00" E	100 m
St. Lucia Lake (see Saint Lucia Estuary)		28° 22' 07" S 32° 24' 10" E	
St. Lucia Lake, E shores		28° 16' 00" S 32° 23' 00" E	
St. Lucia Resort		28° 23' 00" S 32° 25' 30" E	15 m
St. Lucia village		28° 23' 00" S 32° 25' 00" E	
St. Lucia Village, 2 km N (see Ipheva camp site)		28° 21' 00" S 32° 25' 00" E	20 m
St. Lucia Wetland Park (see Saint Lucia Estuary)		28° 22' 07" S 32° 24' 10" E	
Stadenspas (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth		33° 54' 00" S 25° 12' 00" E	430 m
Staff Picnic site, Skukuza		24° 58' 30" S 31° 40' 00" E	
Staff village, Skukuza		24° 59' 00" S 31° 35' 00" E	
Stainbank Nature Reserve, Durban, Yellowwood Park		29° 54' 00" S 30° 56' 00" E	

Stan Hope Mine (see Mooiplaas, SAPPI)		28° 33' 30" S 31° 09' 55" E	864 m
Standerton, 15 km E (see Farm Roodepoort 386)		26° 54' 00" S 29° 22' 00" E	
Stangene Dam		22° 48' 00" S 31° 17' 00" E	
Starkfontein, Farm 495JR (see Telperion Nature Reserve)		25° 42' 41" S 29° 01' 03" E	
State Land, 10.7 km S, 26.9 km W Vredendal (see also: Vredendal, 10.7 km S, 26.9 km W)		31° 45' 18" S 18° 13' 52" E	6 m
Steenkampskraal			
Steenkampskraal Mine, 7 km SSE Van Rhynsdorp		30° 59' 10" S 18° 37' 45" E	
Steilloop, 16 km SW (see Farm Welgevonden 449)		23° 32' 00" S 28° 26' 00" E	
Steilloop, 18 km N (see Farm Nicorel 343)		23° 15' 36" S 28° 36' 36" E	
Steilloopburg, 16 km SW (see Farm Welgevonden 449)		23° 32' 00" S 28° 26' 00" E	
Steilloopburg, 18 km N (see Farm Nicorel 343)		23° 15' 36" S 28° 36' 36" E	
Steinkopf		29° 16' 00" S 17° 44' 00" E	790 m
Stellenbosch		33° 56' 00" S 18° 51' 00" E	91 m
Stellenbosch Flats			
Stellenbosch, 10 km SE (see Jonkershoek Staatsbos)		33° 57' 44" S 18° 55' 37" E	
Sterkfontein caves, 19 km NW Krugersdorp (see also: Krugersdorp, 19 km NW, Sterkfonteingrotte)		25° 58' 00" S 27° 40' 00" E	1600 m
Sterkfontein dam, Ararat (see also: Ararat, Sterkfontein Dam Nature Reserve)		28° 26' 00" S 29° 01' 00" E	
Sterkfontein Dam Nature Reserve (see Ararat), Ararat		28° 07' 30" S 28° 52' 30" E	
Sterkfontein Dam Nature Reserve (see Sterkfontein dam)		28° 26' 00" S 29° 01' 00" E	
Sterkfontein, Farm 173IQ (see also: Farm 173IQ (Sterkfontein), Farm Sterkfontein 173IQ)		26° 01' 43" S 27° 42' 37" E	
Sterkfonteingrotte (see Sterkfontein caves), 19 km NW Krugersdorp		26° 01' 00" S 27° 44' 00" E	1600 m
Sterkspruit, Farm 33JT (see Farm Sterkspruit 33JT), Lydenberg		25° 06' 50" S 30° 28' 50" E	1450 m
Sterkspruit, Farm 412KT (see Farm Sterkspruit 412KT), Mogaba		24° 37' 00" S 30° 37' 00" E	
Sterkstroom, Carnarvon, subdivision of Grootvlei		31° 34' 00" S 26° 33' 00" E	1322 m
Steyerskraal, Farm (see Farm Steyerskraal)		28° 40' 00" S 19° 30' 00" E	500 m
Steynsburg, 4.4 km N, 24.0 km W (see Farm Leeuwenfontein 81)		31° 15' 21" S 25° 34' 25" E	1510 m
Steynsdorp		26° 08' 00" S 30° 59' 00" E	863 m
Stilbaai, Riversdale (see also: Still Bay, Stillbaai)		34° 22' 00" S 21° 25' 00" E	1 m
Still Bay (see Stilbaai)		34° 22' 00" S 21° 25' 00" E	1 m
Stillbaai (see Stilbaai)		34° 22' 00" S 21° 25' 00" E	1 m
Stockenstroms Kop (see Stokenstroms Kop)		30° 36' 00" S 25° 24' 00" E	1307 m
Stokenstrom (see Stokenstroms Kop)		30° 36' 00" S 25° 24' 00" E	1307 m
Stokenstroms Kop (see also: Stockenstroms Kop, Stokenstrom)		30° 36' 00" S 25° 24' 00" E	1307 m
Stoltzneck dam (see Stoltznek Dam)		25° 22' 00" S 31° 22' 00" E	
Stoltzneck Ranger's Post (see also: Stolznek house)		25° 22' 00" S 31° 22' 00" E	
Stoltznek Dam (see also: Stoltzneck dam)		25° 22' 00" S 31° 22' 00" E	
Stolzenfels, Farm (see Farm Stolzenfels), S bank Orange river		28° 31' 14" S 19° 42' 02" E	
Stolznek house (see Stoltzneck Ranger's Post)		25° 20' 00" S 31° 20' 00" E	
Stones Hill, Farm (see Farm Stones Hill)		33° 20' 00" S 26° 34' 00" E	430 m
Storms River Mouth, 1.0 km N, 80.1 km W Humansdorp (see also: Humansdorp, 1.0 km N, 80.1 km W, Stormsriver mouth)		34° 01' 05" S 23° 54' 19" E	50 m
Stormsriver mouth (see Storms River Mouth)		34° 01' 05" S 23° 54' 19" E	50 m
Stormsriver Mouth, 2 km S (see Guono Cave)			
Stormsriver State Forest Station (see Stormsrivier-Bosreservaat), 82 km W Humansdorp		33° 57' 00" S 23° 50' 00" E	
Stormsrivier-Bosreservaat, 82 km W Humansdorp (see also: Humansdorp, 82 km W, Stormsriver State Forest Station)		33° 57' 00" S 23° 50' 00" E	
Strand		34° 06' 02" S 18° 49' 23" E	20 m
Strathfieldsaye, Farm (see Farm Strathfieldsaye), near Eston		29° 55' 15" S 30° 27' 44" E	
Strydenburg, 14.9 km N, 9.2 km W (see Farm Slingerpan)		29° 48' 28" S 23° 34' 56" E	1158 m
Stutterheim, 11.4 km S, 13.5 km W; (see Isidenge Forest Station)		32° 40' 22" S 27° 10' 14" E	1000 m
Stutterheim, 12 km W (see Kabusi Forest station)		32° 35' 00" S 27° 17' 00" E	
Stutterheim, 2 km W (see Kabusi Forest)		32° 31' 00" S 27° 15' 30" E	
Stutterheim, near	ca.	32° 33' 00" S 27° 27' 00" E	850 m
Styrskraal, Farm (see Farm Steyerskraal)		28° 40' 00" S 19° 30' 00" E	500 m

Sudwala Cave, Nelspruit (see also: Miggiesgat cave, Muggiesgat cave, Sudwala Cave area, Sudwalagrotte)	25° 22' 00" S 30° 42' 00" E	845 m
Sudwala Cave area (see Sudwala Cave), Nelspruit	25° 22' 00" S 30° 42' 00" E	845 m
Sudwala Mine 2, Nelspruit	25° 22' 00" S 30° 37' 00" E	
Sudwala Mines, 40 km W Nelspruit (see also: Nelspruit, 40 km W)	25° 23' 24" S 30° 40' 48" E	902 m
Sudwalagrotte (see Sudwala Cave), Nelspruit	25° 22' 00" S 30° 42' 00" E	845 m
Sudwalaskraal, Farm 271JT (see Farm Sudwalaskraal 271JT)	25° 22' 00" S 30° 37' 00" E	
Sugar Research Association Estate, Mount Edgcombe (see also: SASEX)	29° 42' 00" S 31° 02' 00" E	
Sugarloaf Camp Site (see Saint Lucia Estuary)	28° 22' 07" S 32° 24' 10" E	
Suikerboschrand Nature Reserve (see Suikerbosrand Nature Reserve), 16 km W Heidelberg	26° 30' 00" S 28° 13' 00" E	1668 m
Suikerbosrand Nature Reserve, 16 km W Heidelberg (see also: Heidelberg, 16 km W, Suikerboschrand Nature Reserve)	26° 30' 00" S 28° 13' 00" E	1668 m
Summerstrand	33° 59' 00" S 25° 41' 00" E	10 m
Sundspruit cave (see Gatkop cave), Rooiberg	24° 37' 05" S 27° 39' 08" E	
Sunnyside, Pretoria	25° 45' 00" S 28° 13' 00" E	1320 m
Swartkop, Diamond area Nr 1	28° 33' 00" S 16° 25' 00" E	
Swartkoppies, Farm (see Farm Swartkoppies)	30° 43' 45" S 23° 55' 21" E	1234 m
Sweetwaters, Pietermartizburg	29° 14' 00" S 30° 37' 00" E	1065 m
Swellendam (see also: Swellidam)	34° 02' 00" S 20° 26' 00" E	159 m
Swellendam, 6 km S, 1 km E (see Lang-Elsieskraal Bontebok Park)	34° 05' 00" S 20° 27' 00" E	70 m
Swellidam (see Swellendam)	34° 02' 00" S 20° 26' 00" E	159 m
Swq, Farm 1032 (see Farm Swq 1032)	34° 23' 04" S 19° 48' 27" E	166 m
Sycamore Station, 10 mi NE Waterval Onder (see also: Waterval Onder, 10 mi [=16 km] NE)	25° 36' 00" S 30° 26' 00" E	
T. Bester Game Farm, 58 km N Mtubatuba (see also: Bester Game Farm, Mtubatuba, 58 km N)	27° 50' 00" S 32° 15' 00" E	200 m
Table Farm cave, NW Grahamstown	33° 17' 00" S 26° 25' 00" E	648 m
Table Mountain Pothole (see also: Pietermaritzburg, 23 km N)	29° 36' 00" S 30° 36' 00" E	915 m
Table Mountain, Platteklip, Cape Town	33° 57' 00" S 18° 25' 00" E	
Tafelberg	33° 57' 43" S 18° 24' 35" E	
Tambook Vlei (see Tambookies Vlei)	32° 36' 00" S 26° 43' 00" E	900 m
Tambookies Vlei, near Hertzog (see also: Tambook Vlei)	32° 36' 00" S 26° 43' 00" E	900 m
Tambotiekloof, Farm 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	23° 54' 00" S 27° 41' 00" E	
Tambotieskloof, Farm 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	23° 54' 00" S 27° 41' 00" E	
Tanaba		
Tangala, Farm 87 (see Farm Tangala 87), NW Orpen Gate	24° 28' 00" S 31° 12' 00" E	
Tarkastad, 13 km S	24° 03' 00" S 31° 06' 00" E	
Taung, Bophuthatswana (see also: Taungs)	27° 32' 00" S 24° 48' 00" E	1101 m
Taung World Heritage Site	27° 37' 14" S 24° 38' 09" E	
Taung, 16 km SW (see Norlim mine)	27° 37' 00" S 24° 38' 00" E	1087 m
Taungs (see Taung), Bophuthatswana	27° 32' 00" S 24° 48' 00" E	1101 m
Telperion Nature Reserve (see also: Farm 495JR (Sterkfontein), Farm Sterkfontein 495JR, Starkfontein, Farm 495JR)	25° 42' 41" S 29° 01' 03" E	
Tembe		
Tembe Elephant Park, Ingwavuma (see also: Tembe National Park)	27° 02' 36" S 32° 25' 23" E	84 m
Tembe Elephant Park, east of HQ, pan	27° 03' 42" S 32° 27' 06" E	65 m
Tembe National Park (see Tembe Elephant Park), Ingwavuma	27° 02' 36" S 32° 25' 23" E	84 m
Ten Bosch Estates, 10 km NE Hectorspruit (see also: Hectorspruit, 10 km NE)	25° 20' 00" S 31° 50' 00" E	
Tenbosch, Farm 112JU (see Farm Tenbosch 112JU)	25° 22' 35" S 31° 55' 21" E	
Thaba Nchu, Koele [97] (see also: Farm 97 (Koele), Farm Koele 97, Koele, Farm 97)	29° 13' 00" S 26° 50' 00" E	1531 m
Thaba Nchu (see Giel de Wet Park), Giel de Wet Park	29° 07' 30" S 26° 37' 30" E	
Thabaphaswa	24° 03' 00" S 29° 02' 00" E	
Thabazimbi (see also: Thambazimbi)	24° 36' 00" S 27° 24' 00" E	1420 m
Thabazimbi, 10 mi [=16 km] N (see Rotterdam, Farm)	24° 33' 17" S 27° 20' 20" E	

Thabazimbi, 16 mi [=26 km] SE (see Farm Buffelshoek 446KQ)		24° 40' 00" S 27° 21' 00" E	
Thabazimbi, 16 mi [=26 km] SE (see Farm Waterval) (see also: Farm Weynek, Rooiberg, 2 mi [=3.2 km] W, Weinek, Farm, Weynek, Farm)		24° 39' 17" S 27° 12' 48" E	
Thabazimbi, 24 km E (see Gatkop cave)		24° 37' 05" S 27° 39' 08" E	
Thabazimbi, 24 km SW (see Farm Tygerkloof 354)		24° 41' 40" S 27° 12' 33" E	
Thabazimbi, 32 km W		25° 30' 00" S 27° 30' 00" E	
Thabazimbi, 39 km SE (see Rooiberg)		24° 46' 00" S 27° 44' 00" E	1162 m
Thabazimbi, 48 km SE (see Farm Hartebeesthoek)		24° 47' 00" S 27° 45' 00" E	
Thabazimbi, 50 km SE (see Farm Hartbeesfontein 603 KQ)		24° 47' 04" S 27° 45' 49" E	1182 m
Thabo Mofutsanyane district			
Thambazimbi (see Thabazimbi)		24° 36' 00" S 27° 24' 00" E	1420 m
Thankerton, Farm 175JU (see Farm Thankerton 175JU)		25° 26' 21" S 31° 39' 27" E	
The Cape (see Cape province)			
The Downs [10 locs]			
The Downs, Farm (see Farm The Downs), Lebowa		24° 09' 00" S 30° 11' 00" E	
The Haven		32° 14' 05" S 28° 55' 17" E	7 m
The Kowie (see Port Alfred)		33° 36' 00" S 26° 54' 00" E	30 m
The Van Wyks Vlei Settlement Plan (see also: Van Wyksvlei, Van Wyksvlei Settlements)		30° 18' 00" S 21° 50' 00" E	958 m
Third Mine Tunnel (see Farm Waterval)		25° 52' 11" S 30° 19' 19" E	
Thomeng, near Norlim		27° 37' 55" S 24° 38' 37" E	
Three Rivers, 11 Spey Drive		26° 39' 00" S 27° 59' 00" E	
Three Sisters		31° 54' 00" S 23° 05' 00" E	1200 m
Tierkloof, Gamkaberg (see also: Bushcamp)		33° 44' 30" S 21° 53' 30" E	
Timbavati, Gazankulu		24° 19' 00" S 31° 20' 00" E	
Tongaat (see also: Tongaat Village, Victoria)		29° 34' 20" S 31° 07' 00" E	0 m
Tongaat Village (see Tongaat)		29° 34' 20" S 31° 07' 00" E	0 m
Town Bush		29° 33' 00" S 30° 21' 00" E	
Town Bush cave, 2 km N Pietermaritzburg (see also: Pietermaritzburg, 2 km N, Townbush Cave)		29° 31' 00" S 30° 18' 00" E	975 m
Townbush Cave (see Town Bush cave), Pietermaritzburg		29° 31' 00" S 30° 18' 00" E	975 m
Townbush Valley	ca.	29° 31' 00" S 30° 18' 00" E	
Townlands		25° 43' 00" S 28° 11' 00" E	
Townlands of Mathinus Wesselstroom Transvaal	ca.	27° 22' 14" S 30° 07' 58" E	1761 m
Traveller's Rest;, 18 mi NE Clanwilliam (see also: Clanwilliam, 18 mi [=29 km] NE)		32° 04' 00" S 19° 05' 00" E	500 ft
Trichardstal (see Trichardtsdal)		24° 10' 00" S 30° 24' 00" E	638 m
Trichardtsdal (see also: Trichardstal)		24° 10' 00" S 30° 24' 00" E	638 m
Trident Kloof, 14 km S, 10.5 km W Brits (see also: Brits, 14 km S, 10.5 km W)		25° 46' 00" S 27° 40' 00" E	1350 m
Trompburg town (see Trompsburg)		30° 02' 00" S 25° 47' 00" E	1431 m
Trompsburg (see also: Trompburg town, Trompsburg town)		30° 02' 00" S 25° 47' 00" E	1431 m
Trompsburg town (see Trompsburg)		30° 02' 00" S 25° 47' 00" E	1431 m
TSD Sugar Estate No.3 Section, 3 mi NE Komatipoort (see also: Komatipoort, 3 mi [=4.8 km] NE)	ca.	25° 23' 43" S 31° 57' 04" E	
Tshalungwa Fountain, 16 km NNE Punda Maria (see also: Punda Milia, 16 km NNE, Shalungwafontein, Tshalungwafontein)		22° 32' 56" S 31° 04' 22" E	
Tshalungwafontein (see Tshalungwa Fountain), 16 km NNE Punda Milia		22° 32' 56" S 31° 04' 22" E	
Tshaneni [mountain]		27° 37' 00" S 32° 04' 00" E	
Tshipise (see also: Chipise)		22° 36' 00" S 30° 10' 00" E	501 m
Tshipise, 1 mi [=1.6 km] NE (see also: Chipise, 1 mi [=1.6 km] NE)	ca.	22° 36' 00" S 30° 10' 00" E	
Tshokwana (see Tshokwane [farmstead])		24° 47' 06" S 31° 51' 29" E	
Tshokwane		24° 46' 35" S 31° 51' 21" E	
Tshokwane [farmstead] (see also: Tshokwana, Tshokwani)		24° 47' 06" S 31° 51' 29" E	
Tshokwane Picnic Site		24° 47' 11" S 31° 51' 31" E	
Tshokwane Picnic spot, 12 km E		24° 47' 01" S 31° 58' 43" E	
Tshokwane, 10 km S, on Skukuza - Tshokwane road		24° 52' 00" S 31° 47' 00" E	
Tshokwani		24° 46' 35" S 31° 51' 21" E	
Tshokwani (see Tshokwane [farmstead])		24° 47' 06" S 31° 51' 29" E	
Tsitsikama National Park		33° 59' 17" S 23° 50' 45" E	
Tsitsikamma Guano cave	ca.	33° 59' 17" S 23° 50' 45" E	

Tsolwana Game Ranch, 4.0 km N, 29.0 km W Whittlesea (see also: Whittlesea, 4.0 km N, 29.0 km W)		32° 09' 00" S 26° 31' 00" E	1415 m
Tswaing Crater, Pretoria		25° 24' 49" S 28° 04' 42" E	
Tswiriri Dam (see Ntswiriri Dam)		24° 51' 43" S 31° 37' 38" E	
Tugela river, Cafferland		29° 00' 00" S 30° 30' 00" E	
Twee Rivieren, Gordonia / Nassob		26° 27' 00" S 20° 37' 00" E	
Twee Rivieren, 13 km NE (see Leeuwdril)		26° 07' 00" S 20° 51' 00" E	
Twee Rivieren, 20 mi [=32 km] NW (see Kamferboom)		26° 07' 00" S 20° 37' 00" E	
Tweepoort, Farm 404 (see Farm Tweepoort 404), 2 km NE Amsterdam		26° 36' 00" S 30° 43' 00" E	
Tweespruit, Stratheam		29° 07' 30" S 27° 07' 30" E	
Twin Streams Farm (see Farm Twin Streams), Mtunzini		28° 58' 00" S 31° 42' 00" E	
Tygerkloof, Farm 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi		24° 41' 40" S 27° 12' 33" E	
Tygerskloof, Farm 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi		24° 41' 40" S 27° 12' 33" E	
Tzaneen (see also: Birthday Goldmine)		23° 50' 00" S 30° 10' 00" E	742 m
Tzaneen Estate (see Tzaneen Governamental Estate), Letaba-Tzaneen		23° 48' 00" S 30° 10' 00" E	
Tzaneen Governamental Estate (see also: Tzaneen Estate, Tzaneen Government Estate)		23° 48' 00" S 30° 10' 00" E	
Tzaneen Government Estate (see Tzaneen Governamental Estate)		23° 48' 00" S 30° 10' 00" E	
Tzaneen, 15 km W (see De Hoek Staatsbos)		23° 49' 37" S 30° 02' 53" E	4500 ft
Tzaneen, 6 mi [=9.7 km] NE	ca.	23° 50' 00" S 30° 10' 00" E	
Ubumanzi Game Farm, 37 km NW Potgietersrus (see also: Potgietersrus, 37 km NW)		24° 12' 00" S 28° 35' 00" E	
Ugu district			
Uitenhage district		33° 45' 00" S 25° 25' 00" E	
Uitenhage, 10 km WNW (see Groendal Staatsbos)		33° 42' 00" S 25° 14' 00" E	
Uitkomst, Farm 499 (see Farm Uitkomst 499), Krugersdorp		25° 54' 00" S 27° 46' 00" E	
Uitkyk and Paranie Private Nature Reserve, 19 km SE Nelspruit (see also: Nelspruit, 19 km SE)		25° 36' 00" S 31° 06' 00" E	
Uitkyk, Farm (see Farm Uitkyk), Krugersdorp		26° 05' 00" S 27° 46' 00" E	
Uitkyk, Farm 264JT (see Farm Uitkyk 264JT)		25° 18' 00" S 30° 30' 00" E	
Uitvlugt, Farm 227 (see Farm Uitvlugt 227), Vrede		27° 27' 00" S 29° 23' 00" E	
Uitzicht, Farm 630 (see Farm Uitzicht 630), Harrismith		28° 04' 00" S 28° 27' 00" E	
Ukhahlamba district			
Ukhahlamba Drakensberg Park			
Umbilo		29° 53' 21" S 30° 59' 04" E	
Umbogontwini Nature Reserve		30° 03' 00" S 30° 53' 00" E	
Umbumbulu		29° 59' 00" S 30° 42' 00" E	593 m
Umdloti		29° 40' 21" S 31° 06' 56" E	33 m
Umdoni Caravan Park (see Umdoni Park), 14 km SSW Scottburgh, Pennington (see also: Umzinto, 9 km S, 2 km E)		30° 24' 00" S 30° 41' 00" E	50 m
Umdoni Park, 14 km SSW Scottburgh, Pennington (see also: Scottburgh, 14 km SSW, Umdoni Caravan Park)		30° 24' 00" S 30° 41' 00" E	50 m
Umdoni, near		30° 22' 37" S 30° 40' 21" E	
Umfolosi Game Reserve (see Umfolozi Game Reserve)		28° 20' 00" S 31° 50' 00" E	
Umfolozi Game Reserve (see also: Mfolozi Game Reserve, Umfolosi Game Reserve , Umfolozi Nature Reserve, Umfolozi-Wildreservaat , Umfolozi-wildreserwe)		28° 20' 00" S 31° 50' 00" E	
Umfolozi Nature Reserve (see Umfolozi Game Reserve)		28° 20' 00" S 31° 50' 00" E	
Umfolozi River		28° 21' 00" S 31° 59' 00" E	
Umfolozi-Wildreservaat (see Umfolozi Game Reserve)		28° 20' 00" S 31° 50' 00" E	
Umfolozi-wildreserwe (see Umfolozi Game Reserve)		28° 20' 00" S 31° 50' 00" E	
Umgababa		30° 08' 44" S 30° 50' 00" E	
Umgeni (Fish) Hatchery, 48 km NW Durban (see also: Durban, 48 km NW, Nagle Dam Fish Hatchery)		29° 35' 25" S 30° 37' 18" E	400 m
Umgeni Heights		29° 48' 29" S 31° 01' 30" E	29 m
Umgungundlovu district			
Umhalanga (see Umhlanga Reserve)		29° 43' 00" S 31° 05' 00" E	11 m
Umhlanga Reserve, Umhlanga Rocks (see also: Umhalanga, Umhlanga Rocks)		29° 43' 00" S 31° 05' 00" E	11 m
Umhlanga Rocks (see Umhlanga Reserve), 2 Tibia Crescent		29° 43' 00" S 31° 05' 00" E	11 m
Umhlanga, 2.5 km NE (see Westbrook)		29° 36' 00" S 31° 10' 00" E	
Umhlatusi River		29° 51' 00" S 31° 00' 00" E	

Umhlumi, Barberton District		25° 49' 00" S 31° 07' 00" E	
Umhlumna (see Barberton)		25° 47' 00" S 31° 03' 00" E	786 m
Umkhanyakude district			
uMkhuze Game Reserve (see also: Mkhuze Game Reserve, Mkusi Game Reserve, Mkuze Game Reserve, Mkuzi Game Reserve, Umkusi Game Reserve)		27° 39' 00" S 32° 14' 30" E	62 m
Umkomaas		30° 12' 00" S 30° 48' 00" E	36 m
Umkomaas, 1.5 km NWW (see Empisini Nature Reserve)		30° 12' 00" S 30° 48' 00" E	
Umkusi Game Reserve (see uMkhuze Game Reserve)		27° 39' 00" S 32° 14' 30" E	62 m
Umlalazi Nature Reserve, Mtunzini		28° 57' 49" S 31° 46' 08" E	10 m
Umngazana River Mouth, 0.3 km S, 0.2 km W (see Deutschmann's Camp)		31° 41' 40" S 29° 25' 10" E	20 m
Umpila Cave		27° 34' 59" S 32° 13' 01" E	
Umtamvuna Gorge Nature Reserve		30° 10' 27" S 30° 10' 13" E	119 m
Umtata City		31° 35' 18" S 28° 47' 10" E	685 m
Umtata, 0.5 km S, 2.5 km W (see Fort Gale Suburb)		31° 35' 34" S 28° 45' 34" E	770 m
Umtata, 1.8 km S, 3.0 km W (see University of Transkei Campus)		31° 36' 16" S 28° 45' 15" E	800 m
Umtentweni (see also: Umtentweni Railroad Station, Umtentwini)		30° 42' 58" S 30° 27' 53" E	39 m
Umtentweni Railroad Station (see Umtentweni)		30° 42' 58" S 30° 27' 53" E	39 m
Umtentwini (see Umtentweni)		30° 42' 58" S 30° 27' 53" E	39 m
Umteriumi			
Umzigaba River mouth, Pondoland		31° 37' 30" S 29° 37' 30" E	
Umzimbuvu (see Port Saint John's)		31° 38' 00" S 29° 32' 00" E	121 m
Umzinto, 5 km N, 22 km W (see Dumisa gold mine)		30° 16' 05" S 30° 26' 29" E	685 m
Umzinto, 9 km S, 2 km E (see Umdoni Caravan Park)		30° 24' 00" S 30° 41' 00" E	50 m
Umzinyathi district			
Umzumbe M.S. (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbe Mission (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbe Mission Station (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbi M.S. (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbi Mission, 16 mi [=26 km] NE Port Shepstone (see also: Port Shepstone, 16 mi [=26 km] NE, Umzumbe M.S., Umzumbe Mission, Umzumbe Mission Station, Umzumbi M.S., Umzumbi Mission Station)	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumbi Mission Station (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	ca.	30° 34' 00" S 30° 26' 00" E	
Umzumgwenya Nature Reserve (see Mandini)		29° 08' 00" S 31° 24' 00" E	
Underberg, Trout hatchery		29° 47' 00" S 29° 30' 00" E	1579 m
Underberg, 33 km W (see Garden Castle State Forest)		29° 47' 00" S 29° 11' 00" E	
Uniondale, 2.8 km N, 3.8 km E (see Farm Vleiplaas)		33° 37' 49" S 23° 10' 04" E	760 m
University Campus, Chemistry Dept.		29° 52' 03" S 30° 58' 40" E	108 m
University of Durban		29° 49' 02" S 30° 56' 43" E	189 m
University of KwaZulu Natal, Cato Manor		29° 51' 47" S 30° 58' 09" E	143 m
University of Natal		29° 52' 03" S 30° 58' 40" E	
University of Pretoria, Zoology Building		25° 45' 13" S 28° 13' 50" E	1370 m
University of Transkei Campus, 1.8 km S, 3.0 km W Umtata (see also: Umtata, 1.8 km S, 3.0 km W)		31° 36' 16" S 28° 45' 15" E	800 m
Unnamed locality (Ugu district)		30° 12' 00" S 30° 19' 00" E	
Urk, Farm 10 (see Farm Urk 10), 13 km W Vivo		23° 02' 00" S 29° 08' 00" E	854 m
Usutu Floodsplain		26° 53' 00" S 32° 20' 00" E	100 m
Uthukela district			
uThungulu district			
Uvongo (see Uvongo Beach)		30° 50' 00" S 30° 24' 00" E	0 m
Uvongo Beach, in Eucalyptus plantation (see also: Evongo, Uvongo, Uvongostrand)		30° 50' 00" S 30° 24' 00" E	0 m
Uvongostrand (see Uvongo Beach)		30° 50' 00" S 30° 24' 00" E	0 m
Vaalwater, Waterberg		24° 18' 00" S 28° 06' 00" E	1167 m
Vaalwater, 30 km NE (see Farm Klipfontein 54JS)		24° 08' 00" S 28° 08' 00" E	
Vaalwater, 32 km NW (see Farm Platbos)		24° 13' 00" S 27° 52' 00" E	
Vaalwater, 65 km N		23° 48' 00" S 28° 15' 00" E	
Vaalwater, 65 km N (see Lapalala Wilderness area)		23° 51' 00" S 28° 09' 00" E	
Valhalla, Pretoria		25° 48' 42" S 28° 09' 01" E	1405 m
Van Reenen		28° 22' 00" S 29° 23' 00" E	1638 m
Van Riebeeck Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria		25° 52' 48" S 28° 16' 48" E	

Van Riebeeck Natuurreservaat, Pretoria (see also: Maria van Riebeeck Nature Reserve, Rietvlei Nature Reserve, Van Riebeeck Nature Reserve)		25° 52' 48" S 28° 16' 48" E	
Van Soelenshoek, Farm 590 (see Winburg)		28° 32' 00" S 27° 01' 00" E	1494 m
Van Staaden River Pass (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth		33° 54' 00" S 25° 12' 00" E	430 m
Van Staadens Pass (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth		33° 54' 00" S 25° 12' 00" E	430 m
Van Staden's Valley (see also: Port Elisabeth, 26 mi [=42 km] W, Stadenspas, Van Staaden River Pass, Van Staadens Pass, Van Stadenspas)		33° 53' 00" S 25° 15' 00" E	430 m
Van Stadenspas (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth		33° 54' 00" S 25° 12' 00" E	430 m
Van Wyksvlei (see The Van Wyks Vlei Settlement Plan)		30° 18' 00" S 21° 50' 00" E	958 m
Van Wyksvlei Settlements (see The Van Wyks Vlei Settlement Plan)		30° 18' 00" S 21° 50' 00" E	958 m
Vanchynardorp, 5 mi [=8 km] E			
Vellefontein, Farm 517 KQ (see Farm Vellefontein 517 KQ)		24° 49' 26" S 27° 47' 07" E	
Vendabind, on Levuvhu river			
Ventersburg (see also: De Poort, Farm 378, Farm 378 (De Poort), Farm De Poort 378, Willem Pretorius Game Reserve, Willempretoriuswildtuin)		28° 05' 00" S 27° 08' 00" E	1425 m
Ventersdorp, 13 km W (see Farm Ratsegaai 204)		26° 22' 00" S 26° 44' 00" E	
Venterskroon, Potchefstroom		26° 52' 48" S 26° 16' 12" E	
Venterskroon, 1.8 km NW		26° 52' 39" S 27° 15' 15" E	
Venterskroon, 1.8 km NW - 3.0 km NNE (see Vredefort Dome World Heritage Site)	ca.	26° 52' 39" S 27° 15' 15" E	
Veralum		29° 39' 08" S 31° 02' 21" E	
Vergelegen, Farm 80JS (see Farm Vergelegen 80JS)		25° 26' 00" S 29° 23' 00" E	
Vergeval, Farm (see Farm Vergeval)		27° 29' 00" S 31° 42' 00" E	360 m
Verloren Valei Nature Reserve		28° 16' 40" S 30° 05' 56" E	
Vernon Crookes Nature Reserve (see also: Vernon Crooks Nature Reserve)		30° 36' 00" S 30° 15' 36" E	
Vernon Crooks Nature Reserve (see Vernon Crookes Nature Reserve)		30° 36' 00" S 30° 15' 36" E	
Verulam		29° 40' 18" S 31° 01' 12" E	
Verwoerburg (see Centurion), Pretoria		25° 52' 28" S 28° 10' 14" E	1443 m
Verwoerdburg (see Centurion)		25° 52' 28" S 28° 10' 14" E	1443 m
Vhembe district			
Vhembi, Messina (see also: Shashe and Limpopo junction)		22° 26' 00" S 29° 22' 00" E	
Victoria (see Tongaat)		29° 34' 20" S 31° 07' 00" E	0 m
Victoria West (see also: Victoria-Wes)		31° 24' 06" S 23° 07' 10" E	1372 m
Victoriaspoort, Farm 18IT (see Farm Victoriaspoort 18IT)		26° 02' 00" S 30° 19' 00" E	
Victoria-Wes (see Victoria West)		31° 24' 06" S 23° 07' 10" E	1372 m
Village Kosmos (see Kosmos), Western Shore Hartebeespoortdam		25° 44' 00" S 27° 51' 00" E	1139 m
Virginia Farm, W of Boston		29° 40' 00" S 29° 57' 00" E	664 m
Visagiesrus, Farm (see Farm Visagierus), Williston, SW		31° 31' 00" S 20° 30' 00" E	3600 ft
Vivo, 11.2 km N (see Langjan Provincial Nature Reserve)		22° 49' 48" S 29° 12' 00" E	
Vivo, 13 km W (see Farm Urk 10)		23° 02' 00" S 29° 08' 00" E	854 m
Vleiplaas, Farm (see Farm Vleiplaas)		33° 37' 49" S 23° 10' 04" E	760 m
Voëlklip, 7th Street		34° 22' 59" S 19° 16' 00" E	8 m
Voigt's; Farm (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road		25° 37' 00" S 28° 37' 00" E	
Vrede (see also: Farm 196 (Langverwaght), Farm Langverwaght 196, Langverwaght, Farm 196)		27° 25' 00" S 29° 10' 00" E	1668 m
Vrede, Farm (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet		32° 13' 03" S 24° 12' 26" E	
Vredefort, Aasvogelrand-Oost (see also: Vredefort town)		27° 01' 00" S 27° 23' 00" E	1456 m
Vredefort Dome World Heritage Site, 1.8 km NW - 3.0 km NNE Venterskroon (see also: Venterskroon, 1.8 km NW - 3.0 km NNE)	ca.	26° 52' 39" S 27° 15' 15" E	1310 m
Vredefort Road, Vredefort		26° 55' 00" S 27° 22' 00" E	
Vredefort town (see Vredefort)		27° 07' 30" S 27° 22' 30" E	
Vredendal, 10.2 km S, 26.3 km W (see Hollebaks Strandfontein)		31° 45' 18" S 18° 13' 52" E	50 m
Vredendal, 10.7 km S, 26.9 km W (see State Land)		31° 45' 18" S 18° 13' 52" E	6 m

Vrijheid, 70 km NE (see Ngome Forest Reserve)		27° 52' 00" S 31° 24' 45" E	
Vrisgewaagd, Farm 152 (see Farm Vrisgewaagd 152)		33° 15' 47" S 21° 52' 57" E	600 m
Vrolijkheid Nature Reserve, 12 km S, 0.5 km W Robertson (see also: Farm Vrolijkheid, Robertson, 12 km S, 0.5 km W, Robertson, 15 km SW, Vrolijkheid, Farm)		33° 55' 00" S 19° 53' 00" E	221 m
Vrolijkheid, Farm (see Vrolijkheid Nature Reserve)		33° 55' 00" S 19° 52' 00" E	221 m
Vryburg, Vryburg		26° 57' 00" S 24° 44' 00" E	1204 m
Vryheid Hill Nature Reserve		27° 45' 18" S 30° 47' 15" E	1264 m
Vryheid, 11 km S, 11 km E (see Farm Groedehoop)		27° 52' 00" S 30° 55' 00" E	1050 m
Vuma, Farm (see Farm Vuma), near Entumeni Nature Reserve		28° 53' 00" S 31° 23' 00" E	583 m
Vygeboom Dam, Albert Luthuli Municipality, Kafferskraal 618 JT		25° 52' 09" S 30° 35' 40" E	1067 m
Vygeboom, Farm 326 (see Farm Vygeboom 326)		33° 16' 08" S 25° 40' 31" E	750 m
Vygeboschlaagte, Farm 236JQ (see Farm Vygeboschlaagte 236JQ)		25° 19' 00" S 28° 01' 00" E	
W.N.L.A., Garden; near Luvuvhu and Limpopo confluence (pumphouse) (see also: WNLA Garden (Crooks Corner))		22° 24' 10" S 31° 15' 12" E	
Waaghoek [Farmstead], 6 mi W Edenville (see also: Edenville, 6 mi [=9.7 km] W)		27° 33' 00" S 27° 35' 00" E	1500 m
Waenhuiskrans Cliffs (see Waenhuiskrans Overhangs)		34° 40' 44" S 20° 14' 04" E	0 m
Waenhuiskrans Overhangs, 16.2 km S, 17.8 km W Bredasdorp (see also: Bredasdorp, 16.2 km S, 17.8 km W, Waenhuiskrans Cliffs)		34° 40' 44" S 20° 14' 04" E	0 m
Wagondrift, Farm 230 (see Farm Wagondrift 230), 16 km SSE Lamberts Bay		32° 13' 00" S 18° 21' 00" E	
Wakefield, Farm 2369 (ptn 13) (see Farm Wakefield 2369 (ptn 13))		29° 29' 13" S 29° 53' 53" E	
Wakkersdal, Farm 436KT (see Farm Wakkersdal 436KT)		24° 37' 00" S 30° 43' 00" E	
Wakkerstroom		27° 21' 00" S 30° 08' 00" E	1729 m
Walmer, Port Elizabeth		33° 59' 00" S 25° 35' 00" E	71 m
War Grave, 40 mi [=64 km] W, on Molopo River		25° 52' 30" S 26° 07' 30" E	
Warden, Non Pareil [396] (see also: Farm 396 (Non Pareil), Farm Non Pareil 396, Non Pareil, Farm 396)		27° 51' 00" S 28° 58' 00" E	1643 m
Wardens house, 15 km E Mkuzi village		27° 47' 00" S 32° 12' 00" E	
Warmbad (see Warmbaths)		24° 53' 00" S 28° 17' 00" E	1098 m
Warmbad, 2 mi [=3.2 km] E (see Warmbaths, 2 mi [=3.2 km] E)		24° 53' 00" S 28° 17' 00" E	ca. 1000 m
Warmbad, 40 mi [=64 km] WNW			
Warmbad, 40 mi [=64 km] WNW (see Farm Sandspruit)		25° 41' 00" S 27° 55' 00" E	
Warmbad, 40 mi [=64 km] WNW (see Gatkop cave)		24° 37' 05" S 27° 39' 08" E	
Warmbaths (see also: Warmbad)		24° 53' 00" S 28° 17' 00" E	1098 m
Warmbaths, 2 mi [=3.2 km] E (see also: Warmbad, 2 mi [=3.2 km] E)		24° 53' 00" S 28° 17' 00" E	ca. 1000 m
Warmbaths, 5 mi [=8 km] E (see Rissik Private Nature Reserve)		24° 53' 00" S 28° 27' 00" E	
Warmer Beach, Kingsway		30° 05' 06" S 30° 51' 59" E	
Warner Beach		30° 05' 00" S 30° 52' 00" E	
Warner Beach area	ca.	30° 05' 00" S 30° 52' 00" E	
Warrenton, 47 km W (see Bellsbank Estates)		28° 08' 00" S 24° 24' 00" E	
Waterberg district			
Waterberg Game Farm		24° 06' 59" S 28° 23' 18" E	1410 m
Waterberg Game Farm, Dassie Cave, Waterberg (see also: Dassie Cave)		24° 07' 03" S 28° 23' 08" E	1451 m
Waterfall		29° 45' 00" S 30° 50' 00" E	
Waterkloof, Pretoria		25° 46' 41" S 28° 14' 09" E	1396 m
Waterloo, Farm (see Farm Waterloo)		33° 19' 26" S 26° 32' 18" E	610 m
Waterpoort		22° 54' 00" S 29° 37' 00" E	
Waterpoort, 5 mi [=8 km] E (see Farm Bordeaux)		22° 41' 00" S 29° 38' 00" E	
Waterpoort, 5 mi [=8 km] E (see Farm Rochdale)		22° 54' 00" S 29° 41' 00" E	
Waterval			
Waterval Onder, 10 mi [=16 km] NE (see Sycamore Station)		25° 36' 00" S 30° 26' 00" E	
Waterval, Farm (see Farm Waterval), Machadadorp		25° 52' 30" S 30° 18' 10" E	
Waterval, Farm (see Farm Waterval), 16 mi [=26 km] SE Thabazimbi		24° 39' 17" S 27° 12' 48" E	
Waterval, Farm 747 (see Farm Waterval 747), Harrismith [Warden]		27° 52' 30" S 29° 07' 30" E	
Wau West Bridge, 4 - 5 km W (see Luvuvhu hippo pool)		22° 25' 51" S 31° 10' 51" E	
WCNP, Bottelary (see Hopefield), Hopefield		33° 04' 00" S 18° 21' 00" E	56 m

Weenen		28° 51' 00" S 30° 04' 00" E	858 m
Weenen Nature Reserve		28° 51' 20" S 29° 59' 55" E	
Weinek, Farm (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg		24° 47' 01" S 27° 40' 43" E	
Welgedaan, Farm 292 (see Farm Welgedaan 292), 5 km NNE Christiana		27° 42' 00" S 25° 13' 00" E	
Welgekgon, near Bethlehem	ca.	28° 00' 00" S 28° 00' 00" E	1700 m
Welgevonden, Farm 449 (see Farm Welgevonden 449), 16 km W Steilloop(burg)		23° 32' 00" S 28° 26' 00" E	
Welgevonden, Farm 969 (see Farm Welgevonden 969)		29° 19' 55" S 30° 16' 39" E	
Weltevreden Research Station, 65 km N Vaalwater		23° 52' 00" S 28° 09' 00" E	
Wentworth		29° 55' 20" S 30° 59' 51" E	0 m
West Bank		32° 52' 30" S 27° 22' 40" E	420 m
West Coast district			
West Coast National Park, Geelbek			
West Driefontein caves, Randfontein			
West Rand district			
West Riding (see Westriding)		29° 47' 00" S 30° 46' 00" E	
Westbrook, 81 Acacia; 2.5 ? Km NE Umhlanga (see also: Umhlanga, 2.5 km NE)		29° 36' 00" S 31° 10' 00" E	
Western Cape province			
Westmead		29° 49' 24" S 30° 49' 55" E	335 m
Weston Agricultural College		29° 12' 45" S 30° 02' 15" E	1468 m
Westridge		29° 51' 25" S 30° 58' 44" E	141 m
Westriding (see also: West Riding)		29° 47' 00" S 30° 46' 00" E	
Westville		29° 50' 00" S 30° 56' 00" E	
Weynek, Farm (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg		24° 47' 01" S 27° 40' 43" E	
White Umfolosi River, Zululand		28° 19' 00" S 31° 50' 00" E	
Whittlesea, 4.0 km N, 29.0 km W (see Tsolwana Game Ranch)		32° 09' 00" S 26° 31' 00" E	1415 m
Wildeharthoek, Pretoria		25° 44' 00" S 28° 11' 00" E	
Wildernis, 1 km N, 3 km E (see Ebb-And-Flow)		33° 59' 00" S 22° 36' 00" E	30 m
Willem Pretorius Game Reserve (see Ventersburg)		28° 18' 00" S 27° 10' 00" E	
Willem Pretorius-Wildtuin		28° 18' 00" S 27° 10' 00" E	
Willempretoriuswildtuin (see Ventersburg)		28° 18' 00" S 27° 10' 00" E	
Williston, 18.2 km S, 38.7 km W (see Farm Gouna)		31° 32' 16" S 203° 29' 09" E	3600 ft
Willowmore,12 mi [=19 km] N (see Farm Brakfontein)		33° 08' 00" S 23° 25' 00" E	
Wilro Park, Roodepoort		26° 06' 47" S 27° 51' 06" E	ca. 1691 m
Winburg (see also: Farm 576 (Merrimietzie), Farm 590 (Van Soelenshoek), Farm Merrimietzie 576, Farm Van Soelenshoek 590, Merrimietzie, Farm 576, Van Soelenshoek, Farm 590)		28° 32' 00" S 27° 01' 00" E	1494 m
Windermere		29° 49' 50" S 31° 01' 09" E	
Winkelspruit		30° 06' 15" S 30° 51' 09" E	
Winterton		28° 48' 00" S 29° 32' 00" E	966 m
Witels Forest Reserve, 5.0 km S, 15.5 km W Kareedouw (see also: Kareedouw, 5.0 km S, 15.5 km W)		33° 59' 47" S 24° 07' 37" E	240 m
Witkhyk (see Farm Uitkyk)		26° 05' 00" S 27° 46' 00" E	
Witklipfontein, Farm 519 (see Farm Witklipfontein 519), Vredefort		26° 56' 00" S 27° 15' 00" E	
Witpoort, Farm 419 (see Farm Witpoort 419), 24 km E Potchefstroom		26° 39' 00" S 27° 20' 00" E	
Witrivier, 11 mi [=17.7 km] W		25° 18' 00" S 31° 03' 00" E	
Witrivier, 11 mi W		25° 18' 00" S 31° 03' 00" E	
Witsand Dam (see Maditobe Dam), Mahogany Drive		22° 41' 00" S 31° 02' 00" E	
Witwater, 25 mi [=40 km] E (see Orrelgat cave)		30° 15' 00" S 18° 26' 00" E	975 m
Witwater, 25 mi [=40 km] W	ca.	29° 31' 15" S 17° 34' 31" E	
Witwatersberg (see Farm Hekpoort), Thambazimbi		24° 44' 00" S 27° 37' 00" E	
Witwatersrand, Langlaagte, Johannesburg		26° 13' 00" S 27° 58' 00" E	
WNLA Dam, 1 km N Nwanetzi Camp		24° 27' 00" S 31° 58' 00" E	
WNLA Garden (Crooks Corner) (see W.N.L.A.)		22° 24' 10" S 31° 15' 12" E	
WNLA HQ	ca.	22° 25' 00" S 31° 18' 00" E	
Wolvegatten, Pretoria		25° 44' 00" S 28° 11' 00" E	
Wolwespruit Nature Reserve, Wolmaranstad		27° 25' 00" S 26° 19' 50" E	
Wonder Mine (see also: Wondermine)		27° 28' 07" S 31° 15' 02" E	
Wonderboom, Pretoria (see also: Wonderboom cave)		25° 48' 00" S 28° 53' 00" E	1425 m
Wonderboom cave (see Wonderboom), Pretoria		25° 48' 00" S 28° 53' 00" E	1425 m
Wonderfontein Cave (see Farm Wonderfontein 103IQ), Caltonville		26° 18' 00" S 27° 24' 00" E	
Wonderfontein, Farm (see Farm Wonderfontein), 48 km E Middelburg		25° 50' 00" S 29° 55' 00" E	

Wonderfontein, Farm 103IQ (see Farm Wonderfontein 103IQ), Caltonville / Potchefstroom		26° 18' 00" S 27° 24' 00" E	
Wonderhoek se kloof (see Golden Gate Highlands National Park)		28° 31' 00" S 28° 37' 00" E	
Wonderkop Nature Reserve, 20 km N Potgietersrus (see also: Potgietersrus, 20 km N)		23° 12' 50" S 28° 39' 30" E	
Wondermine (see Wonder Mine)		27° 28' 07" S 31° 15' 02" E	
Wonderwerk Cave, 58 km S Kuruman (see also: Kuruman, 58 km S)		27° 49' 00" S 23° 35' 00" E	
Woodstock, Farm (see Farm Woodstock), 11 km SW Kuruman		27° 34' 00" S 23° 24' 00" E	
Worcester, Berg River		33° 52' 00" S 19° 07' 00" E	
World's View, Pietermartizburg		29° 36' 00" S 30° 30' 00" E	1070 m
Wynberg, Cape Town (see also: Wynberg cave)		34° 00' 00" S 18° 28' 00" E	84 m
Wynberg cave (see Wynberg), Cape Town		34° 01' 00" S 18° 28' 00" E	
Xanadu Farm, Drummond	ca.	29° 45' 42" S 30° 41' 37" E	
Xhariep district			
Xhora (see Elliotdale)		31° 58' 00" S 28° 41' 00" E	534 m
Xhubuxnap [farmstead], Kakamas, 56 km WNW		28° 28' 00" S 20° 07' 00" E	
Xingomeni (see Shingomeni Out Post)		22° 53' 45" S 31° 24' 19" E	
Xingwedzi Rest Camp (see Shingwidzi)		23° 06' 32" S 31° 26' 10" E	
Xinkelengane stream, N'Wanetsi section		24° 14' 46" S 31° 55' 46" E	
Xirhombe Pan (see also: Shirhombe Pan)		22° 42' 47" S 31° 22' 51" E	
Xirimantanga		25° 06' 24" S 31° 35' 42" E	
Xitangeni Windmill, Vlakteplaas section		22° 49' 38" S 31° 14' 25" E	
Xixengendzini road, Ngandyana Stream		24° 43' 25" S 31° 58' 38" E	
Yellow Wood Park (see also: Yellowwood Park)	ca.	29° 54' 57" S 30° 56' 18" E	118 m
Yellowwood Park (see Yellow Wood Park)	ca.	29° 54' 00" S 30° 55' 00" E	118 m
Ysterfontein [Farmstead]		33° 20' 00" S 18° 09' 00" E	10 m
Zandspruit Caves (see Gatkop cave), 24 km E Thabazimbi		24° 37' 05" S 27° 39' 08" E	
Zandspruit, Farm 449KQ (see Gatkop cave)		24° 37' 05" S 27° 39' 08" E	
Zanrivier, Farm (see Farm Zanrivier), NW Warmbaths		24° 39' 00" S 28° 02' 00" E	
Zastron (see also: Butata, Farm 210, Elandsberg, Farm 198, Farm 198 (Elandsberg), Farm 210 (Butata), Farm 392 (Kranskop), Farm Butata 210, Farm Elandsberg 198, Farm Kranskop 392, Kranskop, Farm 392, Zastron Commons)		30° 18' 00" S 27° 05' 00" E	1672 m
Zastron Commonage (see Zastron Commons)		30° 18' 00" S 27° 05' 00" E	1672 m
Zastron Commons (see Zastron) (see also: Zastron Commonage)		30° 18' 00" S 27° 05' 00" E	1672 m
Zebediela (see also: Zebediela Estates, Zebedielo, Zebedula)		24° 16' 00" S 29° 17' 00" E	1166 m
Zebediela Estates (see Zebediela)		24° 16' 00" S 29° 17' 00" E	1166 m
Zebedielo (see Zebediela)		24° 16' 00" S 29° 17' 00" E	1166 m
Zebedula (see Zebediela)		24° 16' 00" S 29° 17' 00" E	1166 m
Zeekoegats Drift, Farm (see Farm Zeekoegats Drift), Ladismith, SW		33° 37' 00" S 21° 37' 00" E	380 m
Zeerust, 20 mi [=32 km] NE (see Kleinfontein)		25° 25' 00" S 26° 20' 00" E	
Zeerust, 9 km N (see Farm Rykvoorby 96)		25° 29' 00" S 26° 04' 00" E	
Zele convent (see Izele (Farmstead))		32° 49' 00" S 27° 24' 00" E	450 m
Ziqhumene		28° 11' 00" S 31° 57' 00" E	
Zoekmakaar (see Soekmekaar), 5 km S Pietersburg		23° 29' 00" S 29° 56' 00" E	1193 m
Zoekmekaar (see Soekmekaar), 5 km S Pietersburg		23° 29' 00" S 29° 56' 00" E	1193 m
Zoetendalsvlei, Farm (see Farm Zoetendalsvlei), Bredasdorp		34° 45' 00" S 19° 59' 00" E	
Zoetvlei, Vryburg		26° 57' 00" S 24° 44' 00" E	
Zoutpansberg (see Soutpansberg), 5 km E Louis Trichardt		22° 58' 48" S 30° 15' 00" E	
Zoutpansdrift, Farm 246 (see Farm Zoutpansdrift 246), Luckhoff		29° 43' 00" S 24° 23' 00" E	
Zululand district			
Zusterstroom, Farm 447JR (see Farm Zusterstroom 447JR)		25° 35' 00" S 29° 00' 00" E	
Zuurfontein, Farm 92 (see Farm Zuurfontein 92), Fauresmith		29° 55' 00" S 25° 24' 00" E	
Zwarthoek, Farm 794 (see Farm Zwarthoek 794), Mansfield		22° 58' 00" S 29° 52' 00" E	
Zwartkop cave, Pretoria		25° 51' 00" S 28° 10' 00" E	
Zwartkop Military Nature Reserve, Pretoria		25° 50' 00" S 28° 08' 00" E	
Zwolls Estate		29° 37' 26" S 31° 03' 07" E	

South Sudan:

A'aliPC:UN|)			
Abu Doleb (see Dulayb), Bahr-el-Abiad, Malakal district		9° 21' 35" N 31° 36' 03" E	276 m
Abu Kika	ca.	6° 55' 00" N 31° 00' 00" E	
(see also: Abukika)			
Abukika (see Abu Kika)		6° 55' 00" N 31° 00' 00" E	
Acholi mountains		4° 04' 55" N 32° 35' 54" E	
(see also: Jebel Choli)			
Agok [pools]		8° 09' 00" N 28° 49' 00" E	
Agok mango grove, 5 mi SW Wau; along Busseri River		7° 38' 00" N 27° 56' 00" E	
(see also: Wau, 5 mi [=8 km] SW)			
Akona	ca.	11° 30' 00" N 32° 40' 00" E	
Al BuPC:EB|)			
Al WaPC:WH|)			
Alajuz (see Al'Ajuz (well))		9° 53' 00" N 25° 04' 00" E	526 m
Al'Ajuz (well)		9° 53' 00" N 25° 04' 00" E	526 m
(see also: Alajuz)			
Amadi		5° 30' 57" N 30° 20' 09" E	485 m
Amol Tonyi area	ca.	8° 58' 27" N 28° 28' 24" E	
Ar Rank		11° 45' 00" N 32° 48' 00" E	371 m
(see also: El Renk, Er Renk, Renk)			
At Tonj (see Tonj)		7° 16' 24" N 28° 41' 02" E	427 m
Atar, Khawr [wadi]		9° 20' 11" N 31° 25' 00" E	
(see also: Atar, Khor [wadi], Attar, Khor [wadi], Diar, Khor [wadi], Khawr Atar [wadi], Khor Atar [wadi], Khor Attar [wadi], Khor Diar [wadi])			
Atar, Khor [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Attar, Khor [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
BahrPC:BG|)			
Ba?r az Zaraf (see Bahr ez Zeraf)	ca.	9° 24' 50" N 31° 09' 48" E	
Bahr El Zeraf (see Bahr ez Zeraf)	ca.	9° 24' 50" N 31° 09' 48" E	
Bahr ez Zeraf	ca.	9° 24' 50" N 31° 09' 48" E	
(see also: Ba?r az Zaraf, Bahr El Zeraf)			
Bahr-el-Zeraf, near mouth			
Bandala Hills, location 1, Central Payam, Bandala Boma, ca. 10 km W Sue River, W border Southern National Park)		6° 07' 57" N 27° 43' 31" E	535 m
Bangangai forest, 50 mi WNW Yambio		4° 51' 00" N 27° 45' 00" E	730 m
(see also: Yambio, 50 mi [=80 km] WNW)			
Bangangai Game Reserve, Andari Payam		4° 52' 39" N 27° 40' 34" E	
Bangangai Game Reserve, base camp		4° 54' 28" N 27° 42' 13" E	698 m
Bangangai Game Reserve, location 1		4° 54' 20" N 27° 42' 19" E	698 m
Bangangai Game Reserve, location 2		4° 54' 06" N 27° 42' 35" E	673 m
Bangangai Game Reserve, location 4		4° 53' 43" N 27° 42' 44" E	685 m
Bangangai Game Reserve, location 5		4° 54' 02" N 27° 41' 58" E	691 m
Bangangai Game Reserve, location 6, Andari Payam		4° 52' 39" N 27° 40' 33" E	719 m
Bangangai Game Reserve, location 7, Andari Payam		4° 52' 28" N 27° 40' 53" E	694 m
Bangangai Game Reserve, location 8, Andari Payam		4° 52' 52" N 27° 04' 04" E	
Blat Latome (see Latome), 60 mi [=96 km] ESE Torit		4° 07' 00" N 33° 37' 00" E	1257 m
Boma mountains, west foothills (see Boma Mountains, Western foothills)		6° 10' 00" N 34° 25' 00" E	
Boma Mountains, Western foothills		6° 10' 00" N 34° 25' 00" E	
(see also: Boma mountains, west foothills)			
Bongo		7° 14' 00" N 28° 42' 00" E	414 m
Bor		6° 12' 26" N 31° 33' 33" E	406 m
Bor, 40 mi [=64 km] N		6° 18' 00" N 31° 34' 00" E	
Bor, 60 mi [=96.5 km] N (see Kongor)		7° 10' 00" N 31° 20' 00" E	
Boro river		8° 30' 00" N 24° 30' 00" E	
Boro river, 25 km N	ca.	8° 30' 00" N 24° 30' 00" E	
Bu?eyrat No (see No, lake)		9° 30' 00" N 30° 28' 00" E	
Central Equatoria state			
(see also: Bahr al Jabal state |PC:BG|)			
Chalamni, 30 mi [=48 km] E Torit		4° 29' 31" N 32° 54' 55" E	1110 m
(see also: Torit, 30 mi [=48 km] E)			
Daym Zubayr, 100 mi [=160 km] W Wau		7° 43' 00" N 26° 13' 00" E	609 m
(see also: Deim Zubeir, Dem Az Ziber, Dem Zubeir, Wau, 100 mi [=160 km] W)			
Debbat Marbeit		10° 53' 23" N 32° 32' 46" E	
(see also: Umbarbit)			
Deim Zubeir (see Daym Zubayr), 100 mi [=160 km] W Wau		7° 43' 00" N 26° 13' 00" E	609 m
Dem Az Ziber (see Daym Zubayr), 100 mi [=160 km] W Wau		7° 43' 00" N 26° 13' 00" E	609 m

Dem Zubeir (see Daym Zubayr), 100 mi [=160 km] W Wau		7° 43' 00" N 26° 13' 00" E	609 m
Diar, Khor [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Didinga mountains, western foothils		4° 20' 00" N 33° 35' 00" E	
Dinka county		6° 34' 50" N 30° 58' 17" E	
Djebel Kathangor (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Djebel Katherr (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Doleb (see Dulayb), Bahr-el-Abiad, Malakal district		9° 21' 35" N 31° 36' 03" E	276 m
Doleib Hill (see Dulayb), Bahr-el-Abiad, Malakal district		9° 21' 35" N 31° 36' 03" E	276 m
Dongotona mountains (see also: Dongtona mountains)		4° 11' 08" N 33° 07' 07" E	
Dongtona mountains (see Dongotona mountains)		4° 11' 08" N 33° 07' 07" E	
Duk Fagul, Dinka country		6° 33' 00" N 31° 00' 00" E	
Dulayb, Bahr-el-Abiad, Malakal district (see also: Abu Doleb, Doleb, Doleib Hill, Tatuga)		9° 21' 35" N 31° 36' 03" E	276 m
East Equatoria state (see also: Sharq al Istiwa'iyah state |PC:EE|)			
El Renk (see Ar Rank)		11° 45' 00" N 32° 48' 00" E	371 m
Equatoria			
Er Renk (see Ar Rank)		11° 45' 00" N 32° 48' 00" E	371 m
Ezo County			
Fashoda, near (see Kodok, near), Malakal district		9° 53' 00" N 32° 07' 00" E	271 m
Fola Rapids (see Fula Rapids), 1 mi N Nimule		3° 36' 38" N 32° 01' 17" E	
Fula Rapids, 1 mi N Nimule (see also: Fola Rapids, Nimule, 1 mi [=1.6 km] N)		3° 36' 38" N 32° 01' 17" E	
Gemeiza		5° 50' 00" N 31° 50' 00" E	
GharbPC:WE|)			
GharbPC:WB|)			
Gilo		4° 02' 18" N 32° 50' 43" E	
Gilo area	ca.	4° 02' 18" N 32° 50' 43" E	
Gilo, 5 mi [=8 km] S		4° 02' 00" N 32° 51' 00" E	
Goba (see Juba)		4° 51' 00" N 31° 37' 00" E	550 m
Gondokoro, on White Nile		4° 54' 00" N 31° 40' 00" E	545 m
Gondokoro, 25 mi [=40 km] N (see Mongalla)		5° 10' 57" N 31° 45' 00" E	466 m
Gwortapeng village, Lire Payam, Romogi Boma, Sanga stream		3° 55' 09" N 31° 38' 07" E	924 m
Hellet Nuer		8° 17' 00" N 30° 19' 00" E	
Ibba (see Tonj)		7° 16' 24" N 28° 41' 02" E	427 m
Iketos (see Ikoto), 50 mi SE Torit		4° 04' 42" N 33° 06' 32" E	
Ikoto, 50 mi SE Torit (see also: Iketos, Ikotos, Torit, 50 mi [=80 km] SE)		4° 04' 42" N 33° 06' 32" E	
Ikotos (see Ikoto), 50 mi SE Torit		4° 04' 42" N 33° 06' 32" E	
Imatong, 10 km S Torit		4° 10' 26" N 32° 45' 11" E	
Imatong mountains		4° 06' 00" N 32° 51' 00" E	
Imurok, 20 mi [=32 km] SE Torit (see also: Torit, 20 mi [=32 km] SE)		4° 18' 46" N 32° 23' 28" E	
Issore, 40 mi [=64 km] S Torit (see also: Torit, 40 mi [=64 km] S)		3° 54' 00" N 32° 48' 00" E	1540 m
Jabal Giri (see also: Jebel Giri)	ca.	4° 01' 06" N 31° 30' 51" E	
Jabal Kathangor (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Jabal Korobi (see Korobi, Jabal)		3° 57' 40" N 30° 53' 46" E	
Jabal Lado (see Lado)		5° 06' 12" N 31° 35' 05" E	
Jabal Otogo, summit (see also: Mount Otogo, summit, Otogo, summit mount)		3° 57' 32" N 30° 34' 59" E	3650 ft
Jale, border checkpoint with Uganda		3° 43' 09" N 31° 39' 32" E	
Jebel Choli (see Acholi mountains)		4° 04' 55" N 32° 35' 54" E	
Jebel el Airag		15° 37' 00" N 32° 29' 00" E	
Jebel Gire, base camp, Kansuk Boma		4° 01' 15" N 31° 31' 15" E	
Jebel Giri (see Jabal Giri)	ca.	4° 01' 06" N 31° 30' 51" E	
Jebel Goumia, 45 mi [=72 km] SSW Torit		4° 05' 00" N 32° 36' 00" E	1981 m
Jebel Kasangor (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Jebel Nirkenyi (see Lado)		5° 06' 12" N 31° 35' 05" E	
JonglPC:JG|)			
Juba (see also: Goba, Uula)		4° 51' 00" N 31° 37' 00" E	550 m
Juba, 100 mi [=160 km] NW (see Mundri)		5° 24' 00" N 30° 15' 00" E	580 m
Juba, 400 mi [=640 km] W			700 m
Jungoli state (see also: Jonglei state |PC:JG|)			
Kabi stream, Lire Payam, NW of Mogiri town		3° 56' 52" N 31° 34' 41" E	929 m
Kabuyta (see Kapoeta)		4° 46' 18" N 33° 35' 25" E	654 m
Kagelu		4° 03' 11" N 30° 36' 33" E	834 m
Kajiko North, South of Yei		3° 51' 25" N 30° 36' 27" E	

Kajiko South			
Kajo Kaji, 10 km W	ca.	3° 53' 00" N 31° 40' 00" E	
Kajo Kaji, 10 mi [=16 km] W		3° 53' 00" N 31° 40' 00" E	1173 m
Kajo Keji Civil Hospital (see Mundari Civil Hospital)		3° 51' 10" N 31° 39' 26" E	
Kajo-Keji county			
Kajo-Keji County Health Department Headquarters		3° 51' 10" N 31° 39' 32" E	955 m
Kaka		10° 36' 00" N 32° 11' 00" E	375 m
Kaka, 7 mi [=11 km] S	ca.	10° 36' 00" N 32° 11' 00" E	
Kangapo One Payam, Saregoro Boma, Kalawa stream		3° 49' 59" N 31° 41' 05" E	954 m
Kangapo Two Payam, Jalimo Boma, Juka stream		3° 43' 45" N 31° 34' 17" E	769 m
Kapoeta		4° 46' 18" N 33° 35' 25" E	654 m
(see also: Kabuyta)			
Kasangor, Jebel (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Kathangor, Djebel (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Kathangor, Jabal		5° 45' 00" N 33° 59' 00" E	
(see also: Djebel Kathangor, Djebel Katherr, Jabal Kathangor, Jebel Kasangor, Kasangor, Jebel, Kathangor, Djebel, Katherr, Katherr, Djebel)			
Katherr (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Katherr, Djebel (see Kathangor, Jabal)		5° 45' 00" N 33° 59' 00" E	
Katire (see Katiri)		4° 02' 32" N 32° 47' 52" E	1067 m
Katiri, 35 mi SSE Torit		4° 02' 32" N 32° 47' 52" E	1067 m
(see also: Katire, Torit, 35 mi [=56 km] SSE)			
Katuluru, 20 mi [=32 km] W Torit		4° 24' 48" N 32° 16' 33" E	
(see also: Torit, 20 mi [=32 km] W)			
Keiro		5° 19' 48" N 31° 45' 22" E	439 m
(see also: Kiro, Sim Sima, Simsima)			
Kerripi, 30 mi N Nimule		3° 55' 00" N 31° 55' 00" E	701 m
(see also: Nimule, 30 mi [=48 km] N)			
Khawr Atar [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Khor Atar [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Khor Attar [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Khor Diar [wadi] (see Atar, Khawr [wadi])		9° 20' 11" N 31° 25' 00" E	
Kijiri village, Kangapo Two Payam, Jalimo Boma, Juka stream		3° 45' 00" N 31° 35' 00" E	897 m
Kinyiba cave		3° 49' 48" N 31° 34' 40" E	949 m
Kinyiba-Bekat, ca. 1 km W of town center		3° 49' 45" N 31° 35' 14" E	914 m
Kiro (see Keiro)		5° 19' 48" N 31° 45' 22" E	439 m
Kodak, near (see Kodok, near), Malakal district		9° 53' 00" N 32° 07' 00" E	271 m
Kodok, near, Malakal district		9° 53' 00" N 32° 07' 00" E	271 m
(see also: Fashoda, near, Kodak, near)			
Kombi stream, behind Reeder compound, Lire Payam		3° 55' 58" N 31° 36' 17" E	950 m
Kongor, 60 mi N Bor		7° 10' 00" N 31° 20' 00" E	
(see also: Bor, 60 mi [=96.5 km] N)			
Korobi, Jabal		3° 57' 40" N 30° 53' 46" E	
(see also: Jabal Korobi, Korobi, mount, Mount Korobi)			
Korobi, mount (see Korobi, Jabal)		3° 57' 40" N 30° 53' 46" E	
Kotokeinyang (see Kotokeynyang, mountain)		4° 13' 07" N 32° 47' 50" E	
Kotokeynyang, mountain		4° 13' 07" N 32° 47' 50" E	
(see also: Kotokeinyang)			
Kungupuri (Bekat) Stream		3° 52' 47" N 31° 38' 42" E	931 m
Lado		5° 02' 02" N 31° 41' 07" E	448 m
(see also: Jabal Lado, Jebel Nirkenyi, Lado, Jabal, Lado, mount, Mount Lado, Nirkenyi, Jebel)			
Lado, Jabal (see Lado)		5° 06' 12" N 31° 35' 05" E	
Lado, mount (see Lado)		5° 06' 12" N 31° 35' 05" E	
Lafon		5° 02' 00" N 32° 27' 00" E	604 m
(see also: Lafoon)			
Lafoon (see Lafon)		5° 02' 00" N 32° 27' 00" E	604 m
Lake No (see No, lake)		9° 30' 00" N 30° 28' 00" E	
Lake No, below (see No, lake)	ca.	9° 30' 00" N 30° 28' 00" E	
Lakes state			
(see also: Al Buhayrat state |PC:EB|)			
Latome, 60 mi [=96 km] ESE Torit		4° 07' 00" N 33° 37' 00" E	1257 m
(see also: Blat Latome, Torit, 60 mi [=96 km] ESE)			
Lawudo, 13 mi N Torit		4° 25' 00" N 32° 34' 00" E	
(see also: Torit, 13 mi [=21 km] N)			
Li Rangu		4° 43' 46" N 28° 21' 33" E	670 m
Loa, 20 mi N Nimule		3° 48' 00" N 31° 57' 00" E	785 m
(see also: Nimule, 20 mi [=32 km] N)			
Lobira		4° 24' 21" N 33° 03' 23" E	675 m
Lodwara		4° 11' 08" N 33° 07' 07" E	

Loelli (pools), 170 mi [=275 km] ENE Torit (see also: Torit, 275 km ENE)	5° 05' 00" N 34° 35' 00" E	
Lofi, 30 mi [=48 km] ESE Torit (see also: Torit, 30 mi [=48 km] ESE)	4° 14' 22" N 32° 59' 22" E	610 m
Logirim, 30 mi [=48 km] ENE Torit (see also: Torit, 30 mi [=48 km] ENE)	4° 42' 58" N 33° 14' 33" E	639 m
Logwi, 25 mi [=40 km] SSE Torit (see also: Lokwi, Torit, 25 mi [=40 km] SSE)	4° 06' 28" N 32° 43' 14" E	1487 m
Lokomanyang Marsh, Ilemi triangle (see also: Lokomarinyang Marsh, Lokomorinyang, Morunyang)	4° 59' 00" N 34° 41' 00" E	
Lokomarinyang Marsh (see Lokomanyang Marsh), Ilemi triangle	4° 59' 00" N 34° 41' 00" E	
Lokomorinyang (see Lokomanyang Marsh), Ilemi Triangle	4° 59' 00" N 34° 41' 00" E	
Lokwi (see Logwi), 25 mi [=40 km] SSE Torit	4° 06' 28" N 32° 43' 14" E	1487 m
Longairo, 20 mi [=32 km] SE Torit (see also: Torit, 20 mi [=32 km] SE)	4° 02' 25" N 32° 57' 21" E	1487 m
Loqutor, 25 mi [=40 km] ENE Torit (see also: Torit, 25 mi [=40 km] ENE)	4° 34' 53" N 32° 58' 20" E	
Lorini stream, Lire Payam, Romogi Boma	3° 55' 08" N 31° 38' 38" E	936 m
Lotti forest	4° 02' 00" N 32° 32' 00" E	
Lowai, 25 mi [=40 km] W Torit	4° 24' 48" N 32° 12' 10" E	
Luro cave, base camp	3° 54' 07" N 31° 41' 39" E	945 m
Magwe, 35 mi [=56 km] SW Torit (see also: Torit, 35 mi [=56 km] SW)	4° 08' 17" N 32° 17' 01" E	858 m
Malakal (see also: Malakal)	9° 32' 13" N 31° 39' 22" E	276 m
Malakal (see Malakal)	9° 32' 13" N 31° 39' 22" E	276 m
Malakal, 4 mi [=6.4 km] N	9° 39' 18" N 31° 37' 32" E	
Malakal, 50 mi [= 80 km] N	10° 15' 00" N 31° 48' 59" E	
Malut (see also: Melut)	10° 26' 00" N 32° 12' 00" E	362 m
Mandri (see Mundri), 100 mi. NW of Juba, 500 mi. E of Wau	5° 24' 00" N 30° 15' 00" E	580 m
Mangala (see Mongalla), 25 mi [=37.5 km] N Gondokoro	5° 10' 57" N 31° 45' 00" E	466 m
Manqalah (see Mongalla)	5° 10' 57" N 31° 45' 00" E	466 m
Marangu cave, near Yambio	4° 33' 00" N 28° 22' 00" E	
Mari (see Mere)	3° 53' 06" N 31° 40' 14" E	1022 m
Maridi (see also: Maridi, Meridi, Merridi)	4° 54' 53" N 29° 28' 37" E	698 m
Maridi (see Maridi)	4° 54' 53" N 29° 28' 37" E	698 m
Mbarianga Cave, Yambio		
Melut (see Malut)	10° 26' 00" N 32° 12' 00" E	362 m
Mere, (government offices) (see also: Mari)	3° 53' 06" N 31° 40' 14" E	1022 m
Meridi (see Maridi)	4° 54' 53" N 29° 28' 37" E	698 m
Merridi (see Maridi)	4° 54' 53" N 29° 28' 37" E	698 m
Mnyouri Jardin		
Mogiri Hill, NE of town	3° 56' 56" N 31° 36' 19" E	953 m
Mogiri, NW of town	3° 56' 52" N 31° 34' 40" E	929 m
Mogiri, Reeder family compound, Lire Payam	3° 56' 09" N 31° 36' 29" E	1024 m
Molongori, 25 mi [=40 km] SE Torit (see also: Torit, 25 mi [=40 km] SE)	4° 10' 27" N 32° 50' 32" E	1182 m
Mongala (see Mongalla)	5° 10' 57" N 31° 45' 00" E	466 m
Mongalla (see also: Gondokoro, 25 mi [=40 km] N, Mangala, Manqalah, Mongala, Monqala)	5° 10' 57" N 31° 45' 00" E	466 m
Monqala (see Mongalla)	5° 10' 57" N 31° 45' 00" E	466 m
Morunyang (see Lokomanyang Marsh), Ilemi Triangle	4° 59' 00" N 34° 41' 00" E	
Mount Korobi (see Korobi, Jabal)	3° 57' 40" N 30° 53' 46" E	
Mount Lado (see Lado)	5° 06' 12" N 31° 35' 05" E	
Mount Otogo, summit (see Jabal Otogo, summit)	3° 57' 32" N 30° 34' 59" E	3650 ft
Mount Tungu (see Tungu, mount)	4° 22' 00" N 29° 58' 00" E	
Mundari Civil Hospital, Kangapo 2 Payam (see also: Kajo Keji Civil Hospital)	3° 51' 10" N 31° 39' 26" E	
Mundri, 100 mi. NW of Juba, 500 mi. E of Wau (see also: Juba, 100 mi [=160 km] NW, Mandri, Wau, 500 mi [=800 km] E)	5° 24' 00" N 30° 15' 00" E	580 m
Mupoi cave, near Yambio	4° 33' 00" N 28° 22' 00" E	
Mura, 40 mi [=64 km] NE Torit (see also: Torit, 40 mi [=64 km] NE)	4° 48' 00" N 32° 42' 00" E	948 m
Murukiron, 50 mi [=80 km] E Torit (see also: Murukurun, Torit, 50 mi [=80 km] E)	4° 20' 00" N 33° 20' 00" E	1080 m
Murukurun (see Murukiron), 50 mi [=80 km] E Torit	4° 20' 00" N 33° 20' 00" E	1080 m
Nagero county		

Nagichot, 100 mi E Torit (see also: Nagishot, Naqishot, Torit, 100 mi [=160 km] E)		4° 16' 38" N 33° 33' 35" E	1981 m
Nagishot (see Nagichot), 100 mi E Torit		4° 16' 38" N 33° 33' 35" E	1981 m
Nahr Sobat (see Sobat river)		9° 22' 14" N 31° 32' 52" E	
Nahr Subat (see Sobat river)		9° 22' 14" N 31° 32' 52" E	
Namaku Boma, Nzare Payam		4° 40' 47" N 28° 13' 16" E	661 m
Naqishot (see Nagichot), 100 mi E Torit		4° 16' 38" N 33° 33' 35" E	1981 m
Ngangala, 20 mi [=32 km] N (see also: Njanqala, 20 mi [=32 km] N)		4° 40' 00" N 31° 55' 00" E	
Ngohalima, 15 mi S Wau; on Busseri river (see also: Wau, 15 mi [=24 km] S)		7° 28' 00" N 28° 00' 00" E	
Ngop, 30 mi [=48 km] SE Yirol (see also: Yirol, 30 mi [=48 km] SE)		6° 15' 51" N 30° 11' 35" E	
Ngosulugu, 2 mi [=3.2 km] S Wau		7° 40' 15" N 28° 00' 00" E	
Niayok, near Paloich		10° 07' 35" N 32° 18' 03" E	367 m
Nimule		3° 36' 00" N 32° 03' 00" E	1219 m
Nimule, 1 mi [=1.6 km] N (see Fula Rapids)		3° 36' 38" N 32° 01' 17" E	
Nimule, 20 mi [=32 km] N (see Loa)		3° 48' 00" N 31° 57' 00" E	785 m
Nimule, 30 mi [=48 km] N (see Kerripi)		3° 55' 00" N 31° 55' 00" E	820 m
Nimule, 30 mi [=48 km] N (see Shukoli)		6° 55' 00" N 31° 46' 00" E	601 m
Nirkenyi, Jebel (see Lado)		5° 06' 12" N 31° 35' 05" E	
Njanqala, 20 mi [=32 km] N (see Ngangala, 20 mi [=32 km] N)		4° 40' 00" N 31° 55' 00" E	
No, bu?eyrat (see No, lake)		9° 30' 00" N 30° 28' 00" E	
No, lake (see also: Bu?eyrat No, Lake No, Lake No, below, No, bu?eyrat)		9° 30' 00" N 30° 28' 00" E	
North Bahr-al-Ghazal state (see also: Northern Bahar el Ghazal state |PC:NB|, Shamal Bahr al Ghazal state |PC:NB|)			
NorthPC:NB|)			
Northern district			
Nyibor, lake		6° 55' 00" N 30° 10' 00" E	
Nzara, Zande district		4° 38' 36" N 28° 15' 11" E	595 m
Nzara county			
Nzara West (see West Nzara)		4° 38' 00" N 28° 15' 00" E	710 m
Okaru, 25 mi [=40 km] W Torit (see also: Torit, 25 mi [=40 km] SE)		4° 29' 29" N 32° 10' 09" E	911 m
Otogo, summit mount (see Jabal Otogo, summit)		3° 57' 32" N 30° 34' 59" E	3650 ft
Palwar, 45 mi [=72 km] S Torit (see also: Torit, 45 mi [=72 km] S)		3° 55' 00" N 32° 36' 00" E	1237 m
Panyai (Thomas Modi's house)		3° 52' 54" N 31° 39' 40" E	935 m
Raffili, 90 mi [=145 km] S Wau (see also: Rafili, Wau, 90 mi [=145 km] S)		6° 51' 00" N 27° 59' 00" E	463 m
Rafili (see Raffili), 90 mi [=145 km] S Wau		6° 51' 00" N 27° 59' 00" E	463 m
Raga, 200 mi W Wau or 250 km NW Wau [318 km by road] (see also: Ragaa, Raja, Wau, 200 mi [=322 km] W, Wau, 250 km NW [318 km by road])		8° 28' 00" N 25° 41' 00" E	603 m
Ragaa (see Raga)		8° 28' 00" N 25° 41' 00" E	603 m
Raja (see Raga)		8° 28' 00" N 25° 41' 00" E	603 m
Rajjaf, Bahr el Jebel (see also: Rejaf)		4° 45' 00" N 31° 35' 00" E	549 m
Rejaf (see Rajjaf), Bahr el Jebel		4° 45' 00" N 31° 35' 00" E	549 m
Renk (see Ar Rank)		11° 45' 00" N 32° 48' 00" E	371 m
Rumbeck (see Rumbek), 100 mi [=160 km] SE Wau		6° 48' 00" N 29° 41' 00" E	406 m
Rumbek, 100 mi [=160 km] SE Wau (see also: Rumbeck, Wau, 100 mi [=160 km] SE)		6° 48' 00" N 29° 41' 00" E	406 m
Seriba Ghatta		7° 24' 00" N 28° 36' 00" E	
ShamaPC:NB|)			
Shambe (see also: Shambi)		7° 06' 17" N 30° 46' 25" E	396 m
Shambi (see Shambe)		7° 06' 17" N 30° 46' 25" E	396 m
SharqPC:EE|)			
Shukali (see Shukoli), 30 mi [=48 km] N Nimule		6° 55' 00" N 31° 46' 00" E	601 m
Shukoli, 30 mi [=48 km] N Nimule (see also: Nimule, 30 mi [=48 km] N, Shukali)		6° 55' 00" N 31° 46' 00" E	601 m
Sim Sima (see Keiro)		5° 19' 48" N 31° 45' 22" E	439 m
Simsima (see Keiro)		5° 19' 48" N 31° 45' 22" E	439 m
Sobat river (see also: Nahr Sobat, Nahr Subat)		9° 22' 14" N 31° 32' 52" E	
South Sudan			
Southern Region			
Sudan Fagwl	ca.	6° 34' 50" N 30° 58' 17" E	
Sue River		7° 40' 48" N 28° 03' 43" E	

Sunnat		4° 19' 25" N 32° 47' 56" E	914 m
Talanga forest		4° 00' 00" N 32° 44' 00" E	914 m
Tarakaka (see Terakeka)		5° 27' 07" N 31° 45' 14" E	436 m
Tatuga (see Dulayb), Bahr-el-Abiad, Malakal district		9° 21' 35" N 31° 36' 03" E	276 m
Taufikia (see Tawfiqiyah)		9° 25' 54" N 31° 37' 46" E	276 m
Tawfiqiyah		9° 25' 54" N 31° 37' 46" E	276 m
(see also: Taufikia, Tawfiqiyya)			
Tawfiqiyya (see Tawfiqiyah)		9° 25' 54" N 31° 37' 46" E	276 m
Terakeka		5° 27' 07" N 31° 45' 14" E	436 m
(see also: Tarakaka, Terrakekka, Terrakka)			
Terrakekka (see Terakeka)		5° 27' 07" N 31° 45' 14" E	436 m
Terrakka (see Terakeka)		5° 27' 07" N 31° 45' 14" E	436 m
Tirangole, 20 mi [=32 km] E Torit		4° 28' 41" N 32° 49' 12" E	664 m
(see also: Torit, 20 mi [=32 km] E)			
Tonga		9° 29' 13" N 31° 02' 16" E	360 m
(see also: Tonja)			
Ton'gh (see Tonj)		7° 16' 24" N 28° 41' 02" E	427 m
Tonj		7° 16' 24" N 28° 41' 02" E	427 m
(see also: At Tonj, Ibba, Ton'gh)			
Tonj, 103 km SE	ca.	6° 40' 00" N 28° 41' 00" E	
Tonj, 64 km SE		6° 40' 00" N 28° 41' 00" E	
Tonja (see Tonga)		9° 29' 13" N 31° 02' 16" E	360 m
Torit		4° 24' 48" N 32° 34' 04" E	610 m
Torit district	ca.	4° 24' 48" N 32° 34' 04" E	3000 ft
Torit, 10 km S		4° 00' 00" N 32° 45' 00" E	
Torit, 100 mi [=160 km] E (see Nagichot)		4° 16' 38" N 33° 33' 35" E	1981 m
Torit, 13 mi [=21 km] N (see Lawudo)		4° 25' 00" N 32° 34' 00" E	
Torit, 20 mi [=32 km] E (see Tirangole)		4° 28' 41" N 32° 49' 12" E	664 m
Torit, 20 mi [=32 km] SE (see Imurok)		4° 18' 46" N 32° 23' 28" E	
Torit, 20 mi [=32 km] SE (see Longairo)		4° 02' 25" N 32° 57' 21" E	1487 m
Torit, 20 mi [=32 km] W (see Katuluru)		4° 24' 48" N 32° 16' 33" E	
Torit, 25 mi [=40 km] ENE (see Loqutor)		4° 34' 53" N 32° 58' 20" E	
Torit, 25 mi [=40 km] SE (see Molongori)		4° 10' 27" N 32° 50' 32" E	1182 m
Torit, 25 mi [=40 km] SE (see Okaru)		4° 29' 29" N 32° 10' 09" E	911 m
Torit, 25 mi [=40 km] SSE (see Logwi)		4° 06' 28" N 32° 43' 14" E	1487 m
Torit, 25 mi [=40 km] W (see Torit, 25 mi [=40 km] W)		4° 24' 48" N 32° 12' 10" E	
(see also: Torit, 25 mi [=40 km] W)			
Torit, 275 km ENE (see Loelli (pools))		5° 05' 00" N 34° 35' 00" E	
Torit, 30 mi [=48 km] E (see Chalamni)		4° 29' 31" N 32° 54' 55" E	1110 m
Torit, 30 mi [=48 km] ENE (see Logirim)		4° 42' 58" N 33° 14' 33" E	639 m
Torit, 30 mi [=48 km] ESE (see Lofi)		4° 14' 22" N 32° 59' 22" E	610 m
Torit, 35 mi [=56 km] SSE (see Katiri)		4° 02' 32" N 32° 47' 52" E	1540 m
Torit, 35 mi [=56 km] SW (see Magwe)		4° 08' 17" N 32° 17' 01" E	858 m
Torit, 36 mi [=58 km] E	ca.	4° 08' 00" N 32° 17' 00" E	
Torit, 40 mi [=64 km] NE (see Mura)		4° 48' 00" N 32° 42' 00" E	948 m
Torit, 40 mi [=64 km] S (see Issore)		3° 54' 00" N 32° 48' 00" E	1540 m
Torit, 45 mi [=72 km] S (see Palwar)		3° 55' 00" N 32° 36' 00" E	1237 m
Torit, 50 mi [=80 km] E (see Murukiron)		4° 20' 00" N 33° 20' 00" E	1080 m
Torit, 50 mi [=80 km] SE (see Ikoto)		4° 04' 42" N 33° 06' 32" E	
Torit, 60 mi [=96 km] ESE (see Latome)		4° 07' 00" N 33° 37' 00" E	1257 m
Torit, 80 km E		4° 27' 00" N 32° 31' 00" E	
Torit, near	ca.	4° 24' 48" N 32° 34' 04" E	
Tungu, mount		4° 20' 37" N 29° 58' 38" E	
(see also: Mount Tungu)			
Uma river		3° 57' 25" N 31° 42' 30" E	
Umbarbit (see Debbat Marbeit)		10° 53' 23" N 32° 32' 46" E	
Unity state			
(see also: Al Wahdah state |PC:WH|, Western Upper Nile state |PC:WH|)			
Upper Nile state			
(see also: A'ali an Nil state |PC:UN|)			
Uula (see Juba)		4° 51' 00" N 31° 37' 00" E	550 m
Warab state [PC:WR|			
(see also: Warab state |PC:WR|, Warrap state |PC:WR|)			
Warab)			
Warra)			
Wau		7° 42' 00" N 28° 00' 00" E	429 m
Wau, 100 mi [=160 km] N			
Wau, 100 mi [=160 km] SE (see Rumbek)		6° 48' 00" N 29° 41' 00" E	406 m
Wau, 100 mi [=160 km] W (see Daym Zubayr)		7° 43' 00" N 26° 13' 00" E	609 m
Wau, 15 mi [=24 km] S (see Ngohalima)		7° 28' 00" N 28° 00' 00" E	
Wau, 2 mi [=3.2 km] S (see Yirol, 30 mi [=48 km] SE)		7° 40' 15" N 28° 00' 00" E	
Wau, 200 mi [=322 km] W (see Raga)		8° 28' 00" N 25° 41' 00" E	603 m
Wau, 250 km NW [318 km by road] (see Raga)		8° 28' 00" N 25° 41' 00" E	603 m
Wau, 3 mi S		7° 39' 22" N 28° 00' 00" E	

Wau, 5 mi [=8 km] SW (see Agok mango grove)		7° 38' 00" N 27° 56' 00" E	
Wau, 500 mi [=800 km] E (see Mundri)		5° 24' 00" N 30° 15' 00" E	580 m
Wau, 90 mi [=145 km] S (see Raffili)		6° 51' 00" N 27° 59' 00" E	463 m
Wau-Agok	ca.	7° 42' 00" N 28° 00' 00" E	
Waw		7° 42' 00" N 28° 00' 00" E	429 m
Waw, 100 mi [=160 km] N			
West Bahr-al-Ghazal state (see also: Gharb Bahr al Ghazal state |PC:WB|, Western Bahar el Ghazal state |PC:WB|)			
West Equatoria state (see also: Gharb al Istiwa'iyah state |PC:WE|)			
West Nzara (see also: Nzara West)		4° 38' 00" N 28° 15' 00" E	710 m
WestePC:WB|)			
WestePC:WH|)			
Wudu Market		3° 50' 54" N 31° 39' 28" E	952 m
Yambio		4° 34' 14" N 28° 24' 59" E	619 m
Yambio county			
Yambio, 50 mi [=80 km] WNW (see Bangangai forest)		4° 51' 00" N 27° 45' 00" E	730 m
Yambio, FFI complexte (see Yambio, Flora & Fauna International complex)		4° 34' 41" N 28° 22' 58" E	669 m
Yambio, Flora & Fauna International complex (see also: Yambio, FFI complexte)		4° 34' 41" N 28° 22' 58" E	669 m
Yambio, Wildlife officer compound		4° 34' 15" N 28° 23' 55" E	652 m
Yei (see also: Yey)		4° 05' 29" N 30° 40' 43" E	830 m
Yey (see Yei)		4° 05' 29" N 30° 40' 43" E	830 m
Yirol		6° 33' 24" N 30° 30' 13" E	438 m
Yirol district	ca.	6° 33' 24" N 30° 30' 13" E	ca. 3000 ft
Yirol, 30 mi [=48 km] SE (see Ngop) (see also: Wau, 2 mi [=3.2 km] S)		6° 15' 51" N 30° 11' 35" E	

Spain:

Foyos		39° 32' 00" N 0° 21' 00" W	11 m
Spain			
Valencia			

Sudan:

5th cataract of the Nile (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Abu Sir cave, W bank, by rock at cave, ca 15 m above the river	ca.	29° 53' 00" N 31° 13' 00" E	
Abu Tiga Forest Reserve		12° 46' 00" N 34° 09' 00" E	
Abu Zabad (see also: Abu Zawr)		12° 21' 00" N 29° 15' 00" E	
Abu Zawr (see Abu Zabad)		12° 21' 00" N 29° 15' 00" E	
Abu Zayd (see also: Abu Zeid, Abu Zeid Wad Umm Balli, Abu Zeit)		15° 04' 18" N 33° 23' 30" E	
Abu Zeid (see Abu Zayd)		15° 04' 18" N 33° 23' 30" E	
Abu Zeid Wad Umm Balli (see Abu Zayd)		15° 04' 18" N 33° 23' 30" E	
Abu Zeit (see Abu Zayd)		15° 04' 18" N 33° 23' 30" E	
Abu Zor		12° 22' 00" N 34° 22' 00" E	450 m
Ad Dalanj (see Dilling)		12° 03' 00" N 29° 39' 00" E	687 m
Aj Jabalen (see also: Al Jabalayn, El Jebelein, Jebelein)		12° 35' 25" N 32° 48' 03" E	380 m
Al BaPC:RS|)			
Al Fonj (see also: Al Funj, Fundj, Fung)		12° 41' 38" N 34° 08' 57" E	
Al Funj (see Al Fonj)		12° 41' 38" N 34° 08' 57" E	
Al Garef (see also: El Garef, El Garet)		12° 03' 00" N 34° 19' 00" E	428 m
Al Jabalayn (see Aj Jabalen)		12° 35' 25" N 32° 48' 03" E	380 m
Al JaPC:GZ|) (see also: Gezira state |PC:GZ|)			
Al KhPC:KH|)			
Al Khartum (see also: Al Khurtum, Cartum, Khartoum, Khartoun)		15° 35' 17" N 32° 32' 03" E	377 m
Al Khartum, S of, W bank of White Nile (see also: Khartoum, S of)	ca.	15° 35' 17" N 32° 32' 03" E	
Al Khurtum (see Al Khartum)		15° 35' 17" N 32° 32' 03" E	377 m
Al Lagawa (see Al Lagowa)		11° 24' 00" N 29° 08' 00" E	560 m

Al Lagowa		11° 24' 00" N 29° 08' 00" E	560 m
(see also: Al Lagawa, El Lagowa)			
Al Obayyid (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
Al QaPC:GD|)			
(see also: Gedarif state |PC:GD|)			
Al Qallabat (see Qallabat)		12° 58' 00" N 36° 09' 00" E	725 m
Al Quwaysi, Dinder		13° 21' 00" N 34° 07' 00" E	396 m
(see also: El Gueisi, El Qweisi)			
Al Ubayd (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
Al Ubayyi?		13° 11' 00" N 30° 13' 00" E	609 m
(see also: Al Obayyid, Al Ubayd, Al-'Obêd, El Obeid, El Ubeiyad, Ubêd)			
Al WuPC:BN|)			
Al-'Obêd (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
An Nabbakah [wells]		12° 36' 00" N 29° 56' 00" E	
(see also: En Nabbaka [wells])			
An NiPC:WN|)			
An NiPC:BN|)			
Angolo		10° 31' 00" N 34° 09' 00" E	
Angolo [camp]		10° 30' 25" N 29° 57' 35" E	
Aradeiba, Jebel Korongo		11° 41' 00" N 34° 21' 00" E	486 m
Aroma Madart, 13 mi [=12 km] SSE, Gash river	ca.	15° 37' 13" N 36° 21' 33" E	
Ash Shalal Al Khamis (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Ash Shallal al Khamis (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Ash SPC:NO|)			
Ash SPC:KA|)			
Azraq, Al Jabal al, 10 mi NW Omdurman		15° 47' 29" N 32° 27' 35" E	
(see also: Omdurman, 10 mi [=16 km] NW)			
Azraq, Jabal al, 10 mi NW Omdurman		15° 47' 29" N 32° 27' 35" E	
Azraq, Jebel el, 10 mi NW Omdurman		15° 47' 29" N 32° 27' 35" E	
Badaws		12° 09' 00" N 34° 19' 00" E	464 m
(see also: Bados)			
Bados (see Badaws)		12° 09' 00" N 34° 19' 00" E	464 m
Bahr de Abiad (see White Nile)		15° 38' 00" N 32° 31' 00" E	
Bahr el Abiad (see White Nile)		15° 38' 00" N 32° 31' 00" E	
Bahr el Shagal			
Bahr-el-Abyat (see White Nile)		15° 38' 00" N 32° 31' 00" E	
Barakat, near Wadi Medani		14° 19' 00" N 33° 32' 00" E	415 m
Bellegas			
Blue Nile / Central state (see Blue Nile state)			
Blue Nile state			
(see also: Al Wustá state |PC:BN|, An Nil al Azraq state |PC:BN|, Blue Nile / Central state)			
Bunzoga (see Bunzuqah)		12° 31' 00" N 34° 09' 00" E	440 m
Bunzoqa (see Bunzuqah)		12° 31' 00" N 34° 09' 00" E	440 m
Bunzuga (see Bunzuqah)		12° 31' 00" N 34° 09' 00" E	440 m
Bunzuqah		12° 31' 00" N 34° 09' 00" E	440 m
(see also: Bunzoga, Bunzoqa, Bunzuga)			
Bur Sudan		19° 36' 57" N 37° 12' 59" E	62 m
(see also: Burt Sudan, New Sawâkin, Port Sudan, Shaikh Barghuth, Shaykh Burghuth, Sheikh Barghuth)			
Buram		10° 36' 00" N 29° 57' 00" E	
Buram [resthouse]		10° 37' 43" N 29° 58' 12" E	
Burt Sudan (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Cartum (see Al Khartum)		15° 35' 17" N 32° 32' 03" E	377 m
Cassala (see Kasala)		15° 27' 21" N 36° 23' 56" E	531 m
Cataract of the Wild Ass (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Central Darfur state			
Costi (see Kusti)		13° 10' 00" N 32° 40' 00" E	380 m
Dad Majok			
Dalami (see Dallami)		11° 51' 53" N 30° 28' 25" E	641 m
Dallami		11° 51' 53" N 30° 28' 25" E	641 m
(see also: Dalami, Delami)			
Delami (see Dallami)		11° 51' 53" N 30° 28' 25" E	641 m
Désert de Nubie		20° 30' 00" N 33° 00' 00" E	
Dilling		12° 02' 00" N 29° 40' 00" E	
(see also: Ad Dalanj)			
Disa (see Disah)		12° 02' 00" N 34° 19' 00" E	429 m
Disah		12° 02' 00" N 34° 19' 00" E	429 m
(see also: Disa)			
Djebel Digobo (see Jebel Digodo)		10° 37' 00" N 29° 53' 00" E	
Djebel Digodo (see Jebel Digodo)		10° 37' 00" N 29° 53' 00" E	
Djebel Zeraf (see Zeraf, Jebel [=mountain])		15° 49' 00" N 31° 10' 00" E	
Dongola (see Dunqulah)		19° 10' 00" N 30° 29' 00" E	217 m
Donkola (see Dunqulah)		19° 10' 00" N 30° 29' 00" E	217 m

Donqla al 'Ajuz (see Dunqulah al Qadimah)		18° 13' 00" N 30° 45' 00" E	274 m
Dulaba			
Dunkula (see Dunqulah)		19° 10' 00" N 30° 29' 00" E	217 m
Dunqulah		19° 10' 00" N 30° 29' 00" E	217 m
(see also: Dongola, Donkola, Dunkula)			
Dunqulah al 'Ajuz (see Dunqulah al Qadimah)		18° 13' 00" N 30° 45' 00" E	274 m
Dunqulah al Qadimah		18° 13' 00" N 30° 45' 00" E	274 m
(see also: Donqla al 'Ajuz, Dunqulah al 'Ajuz, Old Dongola)			
East Darfur state			
El Abrad, Dinder river			
El Garef (see Al Garef)		12° 03' 00" N 34° 19' 00" E	428 m
El Garet (see Al Garef)		12° 03' 00" N 34° 19' 00" E	428 m
El Gueisi (see Al Quwaysi), Dinder		13° 21' 00" N 34° 07' 00" E	396 m
El Homar Cataract (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
El Jebelein (see Aj Jabalen)		12° 35' 25" N 32° 48' 03" E	380 m
El Lagowa (see Al Lagowa)		11° 24' 00" N 29° 08' 00" E	560 m
El Obeid (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
El Qweisi (see Al Quwaysi), Dinder		13° 21' 00" N 34° 07' 00" E	396 m
El Serifa (see Surayfah)		11° 28' 00" N 34° 32' 00" E	467 m
El Ubeiyad (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
En Nabbaka [wells] (see An Nabbakah [wells])		12° 36' 00" N 29° 56' 00" E	
Erkovit (see Erkowit)		18° 46' 00" N 37° 07' 00" E	1162 m
Erkowit		18° 46' 00" N 37° 07' 00" E	1162 m
(see also: Erkovit)			
Fazogli (see Fazughli)		11° 17' 00" N 34° 46' 00" E	465 m
Fazughli, near Roseres		11° 17' 00" N 34° 46' 00" E	465 m
(see also: Fazogli)			
Ferka		20° 55' 59" N 30° 35' 23" E	
Fifth cataract of the Nile		18° 23' 00" N 33° 47' 00" E	
(see also: 5th cataract of the Nile, Ash Shalal Al Khamis, Ash Shallal al Khamis, Cataract of the Wild Ass, El Homar Cataract , ?imâr, Shallâl al , Homar, Shellal el , Khamis, Ash Shalal Al , Khamis, Ash Shallal al, Shallâl al ?imâr, Shellal el Homar, Wild Ass, Cataract of the)			
Fundj (see Al Fonj)		12° 41' 38" N 34° 08' 57" E	
Fung (see Al Fonj)		12° 41' 38" N 34° 08' 57" E	
Gallabat (see Qallabat)		12° 58' 00" N 36° 09' 00" E	760 m
Gebel Geraf (see Zeraf, Jebel [=mountain])		15° 49' 00" N 31° 10' 00" E	
Gebel Zeraf (see Zeraf, Jebel [=mountain])		15° 49' 00" N 31° 10' 00" E	
GedarPC:GD|)			
(see also: Al Qadarif state |PC:GD|)			
GezirPC:GZ|)			
(see also: Al Jazirah state |PC:GZ|)			
GharbPC:WF|)			
?imâr, Shallâl al (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Homar, Shellal el (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Jabal al Awliya'		15° 14' 28" N 32° 29' 59" E	384 m
(see also: Jebel Aulia)			
Jabal al Azraq, 10 mi NW Omdurman		15° 47' 29" N 32° 27' 35" E	
Jabal Mâba		11° 36' 10" N 34° 27' 41" E	
(see also: Jebel Maba)			
Jabal Talao (see Talao, Jabal)		11° 02' 00" N 29° 43' 00" E	550 m
JanubPC:SF|)			
JanubPC:SK|)			
Jazirat Musran		12° 47' 14" N 32° 46' 52" E	
(see also: Musran, Musran Island)			
Jazirat Musran, N end	ca.	12° 55' 16" N 32° 48' 01" E	
(see also: Musran Island, N End, Musran, N end)			
Jebel Aulia (see Jabal al Awliya')		15° 14' 28" N 32° 29' 59" E	384 m
Jebel Digobo (see Jebel Digodo)		10° 37' 00" N 29° 53' 00" E	
Jebel Digodo		10° 37' 00" N 29° 53' 00" E	
(see also: Djebel Digobo, Djebel Digodo, Jebel Digobo)			
Jebel el Azraq, 10 mi [=16 km] NW Omdurman		15° 47' 29" N 32° 27' 35" E	
Jebel el Funj, on White Nile River, West bank	ca.	11° 45' 00" N 33° 30' 00" E	
Jebel Maba (see Jabal Mâba)		11° 36' 10" N 34° 27' 41" E	
Jebel Marra, S foothills		12° 54' 00" N 24° 21' 00" E	
Jebel Moba		11° 35' 00" N 34° 30' 00" E	
Jebel Talao (see Talao, Jabal), 2 km NE Kadugli		11° 02' 00" N 29° 44' 00" E	550 m
Jebel Toro, Mesakin Qisar		10° 42' 00" N 30° 01' 00" E	
Jebelein (see Aj Jabalen)		12° 35' 25" N 32° 48' 03" E	380 m
Jibal an Nubah, N edge (see Nuba Mountains, N edge)			
Kadugli		11° 00' 00" N 29° 43' 00" E	

Kadugli		11° 01' 00" N 29° 43' 00" E	501 m
(see also: Kaduqli)			
Kadugli, 2 km NE (see Talao, Jabal)		11° 02' 00" N 29° 43' 00" E	550 m
Kaduqli (see Kadugli)		11° 01' 00" N 29° 43' 00" E	501 m
Kamisu, Dinder River			
Kanisa Janu (see Kanisah)		18° 15' 00" N 31° 40' 00" E	239 m
Kanisah		18° 15' 00" N 31° 40' 00" E	239 m
(see also: Kanisa Janu, Kenisa)			
Karma An Nuzul (see Karmah an Nuzul), 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
Karmah (see Karmah an Nuzul), 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
Karmah an Nuzul, 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
(see also: Karma An Nuzul, Karmah, Kerma, Kerma en Nuzl, Kermah)			
Kasala		15° 27' 21" N 36° 23' 56" E	531 m
(see also: Cassala, Kassala)			
Kassala (see Kasala)		15° 27' 21" N 36° 23' 56" E	531 m
Kassala state			
(see also: Ash Sharqiyah state |PC:KA|)			
Kenisa (see Kanisah)		18° 15' 00" N 31° 40' 00" E	239 m
Kerma (see Karmah an Nuzul), 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
Kerma en Nuzl (see Karmah an Nuzul), 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
Kermah (see Karmah an Nuzul), 40 km from the third waterfall		19° 38' 00" N 30° 25' 00" E	227 m
Khamis, Ash Shalal Al (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Khamis, Ash Shallal al (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Khartoum (see Al Khartum)		15° 35' 17" N 32° 32' 03" E	377 m
Khartoum or Sennaar			
Khartoum state			
(see also: Al Khartoum state |PC:KH|)			
Khartoum University Campus		15° 29' 51" N 32° 33' 29" E	384 m
Khartoum, 100 mi [=160 km] S			
Khartoum, 12 mi [=19 km] from (see Wad Marium)	ca.	15° 25' 00" N 32° 25' 00" E	
Khartoum, S of (see Al Khartum, S of), W bank of White Nile	ca.	15° 35' 17" N 32° 32' 03" E	
Khartoun (see Al Khartum)		15° 35' 17" N 32° 32' 03" E	377 m
Khawr Umm 'Adara (see Um 'Adara, Khor)		11° 06' 42" N 31° 10' 34" E	
Khor Mallum, 60 mi [=96 km] SSW El Fasher	ca.	12° 54' 49" N 25° 06' 14" E	2900 ft
Khor Um ‘Adara (see Um 'Adara, Khor)		11° 06' 42" N 31° 10' 34" E	
Khor Umm Adara (see Um 'Adara, Khor)		11° 06' 42" N 31° 10' 34" E	
Khuwei, 7 mi [=11 km] N		13° 09' 02" N 29° 13' 44" E	
Kologi		10° 51' 38" N 30° 58' 52" E	525 m
Kordofan	ca.	13° 12' 00" N 30° 14' 00" E	
Kosti (see Kusti)		13° 10' 00" N 32° 40' 00" E	380 m
Kusti		13° 10' 00" N 32° 40' 00" E	380 m
(see also: Costi, Kosti)			
Ledgus, between Nimule & Gondokoro [formerly in Uganda]			
Loki			
Luem			
Magangani	ca.	12° 00' 00" N 34° 20' 00" E	
Marawi		18° 29' 00" N 31° 49' 00" E	275 m
(see also: Merawi, Merowe)			
Mbili		7° 01' 00" N 27° 59' 00" E	
Medani (see Wad Madani)		14° 24' 00" N 33° 32' 00" E	414 m
Merawi (see Marawi)		18° 29' 00" N 31° 49' 00" E	275 m
Merowe (see Marawi)		18° 29' 00" N 31° 49' 00" E	275 m
Mount Wagga (see Wagga, mount), near Berebera		16° 09' 10" N 36° 12' 15" E	450 m
Musran (see Jazirat Musran)		12° 47' 14" N 32° 46' 52" E	
Musran Island (see Jazirat Musran)		12° 47' 14" N 32° 46' 52" E	
Musran Island, N End (see Jazirat Musran, N end)	ca.	12° 55' 16" N 32° 48' 01" E	
Musran, N end (see Jazirat Musran, N end)	ca.	12° 55' 16" N 32° 48' 01" E	
NahrPC:RN|)			
New Sawâkin (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
NilePC:RN|)			
Nile, upper			
North Darfur state			
(see also: Shamal Darfur state |PC:ND|)			
North Kordofan state			
(see also: North Kurdufan state |PC:NK|, Shamal Kurdufan state |PC:NK|)			
NorthPC:NK|)			

Northern state			
(see also: Ash Shamaliyah state |PC:NO|)			
Nuba Mountains		10° 36' 00" N 29° 57' 00" E	
Nuba Mountains, N edge			
(see also: Jibal an Nubah, N edge, Nubah, Jibal an, N edge)			
Nubah, Jibal an, N edge (see Nuba Mountains, N edge)			
Nubia	ca.	20° 00' 00" N 32° 00' 00" E	
Nubian Desert		20° 30' 00" N 33° 00' 00" E	
Old Dongola (see Dunqulah al Qadimah)		18° 13' 00" N 30° 45' 00" E	274 m
Omdurman (see Umm Durman)		15° 38' 10" N 32° 16' 14" E	390 m
Omdurman, 10 mi [=16 km] NW (see Azraq, Al Jabal al)		15° 47' 29" N 32° 27' 35" E	
Port Sudan (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Qallabat		12° 58' 00" N 36° 09' 00" E	725 m
(see also: Al Qallabat, Gallabat)			
Raffile			
Red Sea state			
(see also: Al Bahr al Ahmar state |PC:RS|)			
Rheika, Tadoro, Mesakin Qisar		10° 41' 00" N 30° 00' 00" E	
Rikki river		9° 23' 00" N 24° 36' 00" E	
River Nile state			
(see also: Nahr an Nil state |PC:RN|, Nile state |PC:RN|)			
Ronga Forest Reserve		13° 16' 00" N 33° 54' 00" E	
Roseires		11° 48' 19" N 34° 23' 57" E	
S Jebel Marra, foothills		12° 54' 00" N 24° 21' 00" E	4 000 ft
Sannar, between Kéréri, Halfaye and Surerát on the Nile near Khartoum		13° 33' 00" N 33° 38' 00" E	390 m
(see also: Sennaar, Sennar, Sennar, Sinnar)			
Sawakin		19° 12' 21" N 37° 19' 56" E	59 m
(see also: Suakin)			
Semei (see Sumay?)		12° 43' 00" N 30° 50' 00" E	472 m
Semeih (see Sumay?)		12° 43' 00" N 30° 50' 00" E	472 m
Semeiha (see Sumay?)		12° 43' 00" N 30° 50' 00" E	472 m
Semeith (see Sumay?)		12° 43' 00" N 30° 50' 00" E	472 m
Senga (see Sinjah)		13° 09' 00" N 33° 56' 00" E	397 m
Sennaar (see Sannar), Abyssinia		13° 33' 00" N 33° 38' 00" E	390 m
Sennaar, 20 mi [=32 km] above	ca.	13° 35' 00" N 33° 38' 00" E	450 m
Sennar (see Sannar)		13° 33' 00" N 33° 38' 00" E	390 m
Sennar (see Sannar), Abyssinia		13° 33' 00" N 33° 38' 00" E	390 m
Sennar state			
Sereifa (see Surayfah)		11° 28' 00" N 34° 32' 00" E	467 m
Shaikh Barghuth (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Shallâl al ?imâr (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
ShamaPC:ND|)			
ShamaPC:NK|)			
Shandi (see Shendi), Upper Nile		16° 41' 29" N 33° 26' 03" E	376 m
Sharkaylah (see Shurkela)		12° 49' 00" N 31° 25' 00" E	436 m
Shaykh Burghuth (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Sheikh Barghuth (see Bur Sudan)		19° 36' 57" N 37° 12' 59" E	62 m
Shellal el Homar (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Shendi, Upper Nile		16° 41' 29" N 33° 26' 03" E	376 m
(see also: Shandi, Shendy, Shindî)			
Shendy (see Shendi), Upper Nile		16° 41' 29" N 33° 26' 03" E	376 m
Sherkeila (see Shurkela)		12° 49' 00" N 31° 25' 00" E	436 m
Shindî (see Shendi), Upper Nile		16° 41' 29" N 33° 26' 03" E	376 m
Shurkela		12° 49' 00" N 31° 25' 00" E	436 m
(see also: Sharkaylah, Sherkeila)			
Singa (see Sinjah)		13° 09' 00" N 33° 56' 00" E	397 m
Sinja (see Sinjah)		13° 09' 00" N 33° 56' 00" E	397 m
Sinjah		13° 09' 00" N 33° 56' 00" E	397 m
(see also: Senga, Singa, Sinja)			
Sinnar (see Sannar), Abyssinia		13° 33' 00" N 33° 38' 00" E	390 m
South Darfur state			
(see also: Janub Darfur state |PC:SF|)			
South Kordofan state			
(see also: Janub Kurdufan state |PC:SK|, South Kurdufan state |PC:SK|)			
SouthPC:SK|)			
Suakin (see Sawakin)		19° 12' 21" N 37° 19' 56" E	59 m
Subeigh Forest Reserve		12° 27' 00" N 34° 12' 00" E	
Sudan			
Suki		13° 19' 00" N 33° 54' 00" E	
Sumay?		12° 43' 00" N 30° 50' 00" E	472 m
(see also: Semei, Semeih, Semeiha, Semeith)			
Suni, northern Sudan, Jebel Marra		13° 02' 00" N 24° 25' 00" E	1999 m

Surayfah		11° 28' 00" N 34° 32' 00" E	467 m
(see also: El Serifa, Sereifa)			
Tadoro, Mesakin Qisar		10° 41' 26" N 30° 01' 13" E	650 m
Talao, Jabal, 2 km NE Kadugli		11° 02' 00" N 29° 43' 00" E	550 m
(see also: Jabal Talao, Jebel Talao, Kadugli, 2 km NE)			
Talawdi		10° 38' 11" N 30° 22' 47" E	467 m
(see also: Talodi)			
Talodi (see Talawdi)		10° 38' 11" N 30° 22' 47" E	467 m
Tambura, 45 km N			
Telaweit, near Kassala		15° 24' 00" N 36° 25' 00" E	
Tossari		10° 40' 00" N 30° 02' 00" E	
Ubêd (see Al Ubayyi?)		13° 11' 00" N 30° 13' 00" E	609 m
Um 'Adara, Khor		11° 06' 42" N 31° 10' 34" E	
(see also: Khawr Umm 'Adara, Khor Um ‘Adara, Khor Umm Adara, Umm 'Adara, Khawr , Umm Adara, Khor)			
Umm 'Adara, Khawr (see Um 'Adara, Khor)		11° 06' 42" N 31° 10' 34" E	
Umm Adara, Khor (see Um 'Adara, Khor)		11° 06' 42" N 31° 10' 34" E	
Umm Durman		15° 38' 10" N 32° 16' 14" E	390 m
(see also: Omdurman)			
Upper White Nile			
Wad Madani		14° 24' 00" N 33° 32' 00" E	414 m
(see also: Medani, Wad Medani)			
Wad Marium, 12 mi [=18 km] from Khartoum, on White Nile	ca.	15° 25' 00" N 32° 25' 00" E	
(see also: Khartoum, 12 mi [=19 km] from)			
Wad Medani (see Wad Madani)		14° 24' 00" N 33° 32' 00" E	414 m
Wadi Alagi, Eastern Nubia	ca.	22° 00' 00" N 35° 00' 00" E	2 000 ft
Wadi ?alfa'		21° 48' 00" N 31° 21' 00" E	200 m
Wagga, mount, near Berebera		16° 09' 10" N 36° 12' 15" E	450 m
(see also: Mount Wagga)			
Wanalerel			
Weißer Nil (see White Nile)		15° 38' 00" N 32° 31' 00" E	
West Darfur state			
(see also: Gharb Darfur state |PC:WF|)			
West Kordofan state			
White Nile		15° 38' 00" N 32° 31' 00" E	
(see also: Bahr de Abiad, Bahr el Abiad, Bahr-el-Abyat, Weißer Nil)			
White Nile state			
(see also: An Nil al Abyad state |PC:WN|)			
Wild Ass, Cataract of the (see Fifth cataract of the Nile)		18° 23' 00" N 33° 47' 00" E	
Zalingei		12° 54' 00" N 23° 29' 00" E	986 m
(see also: Zalinje)			
Zalinje (see Zalingei)		12° 54' 00" N 23° 29' 00" E	986 m
Zeraf, Jebel [=mountain]		15° 49' 00" N 31° 10' 00" E	
(see also: Djebel Zeraf, Gebel Geraf, Gebel Zeraf)			

Swaziland:

Allen's Farm	26° 33' 00" S 31° 16' 00" E	
Balegana	26° 06' 00" S 31° 34' 00" E	323 m
Balegane	26° 06' 00" S 31° 34' 00" E	323 m
Balegane Stor	26° 06' 00" S 31° 34' 00" E	323 m
Bar Circle Ranches	26° 41' 00" S 31° 53' 00" E	
Barites Mine	26° 13' 12" S 31° 01' 48" E	
Bethlehem Mission	26° 51' 00" S 30° 56' 00" E	
Bhubesi Camp, Hlane	26° 11' 00" S 31° 52' 00" E	
Big Bend	26° 49' 00" S 31° 56' 00" E	77 m
Byrhtes (see Ngwenya)	26° 10' 00" S 31° 03' 00" E	
Byrhytes mine, Ngwenya-Oshoek	26° 13' 00" S 31° 02' 00" E	1300 m
Byrhytes mine	26° 10' 00" S 31° 03' 00" E	
Dinedor	26° 22' 00" S 31° 34' 00" E	
(see also: Dinedor Ranch)		
Dinedor Ranch (see Dinedor)	26° 22' 00" S 31° 34' 00" E	
Dwalile Primary School	26° 42' 00" S 30° 47' 00" E	
Ebaleni	26° 15' 49" S 31° 56' 42" E	
Ekuphakameni High School	26° 48' 00" S 31° 09' 00" E	
Ezulwini	26° 23' 56" S 31° 10' 01" E	
Forbes Gold Mine, Malalotja	26° 10' 00" S 31° 06' 00" E	1396 m
(see also: Forbes Reef Gold Mine, Forbes Reef mine)		
Forbes Ranch (see Nsoko)	27° 02' 00" S 31° 57' 00" E	182 m

Forbes Reef Gold Mine (see Forbes Gold Mine), Malalotja		26° 10' 00" S 31° 06' 00" E	1396 m
Forbes Reef mine (see Forbes Gold Mine), Malalotja		26° 10' 00" S 31° 06' 00" E	1396 m
Franson Christian High		27° 12' 00" S 31° 24' 00" E	
Hhohho region			
Hlane National Park		26° 16' 00" S 31° 53' 00" E	280 m
Hlatikulu		26° 58' 00" S 31° 19' 00" E	1114 m
Hlumi Nature Reserve			
Horo, in old mine drive		25° 45' 00" S 31° 25' 00" E	344 m
Kapola cave		26° 21' 36" S 31° 10' 12" E	
Kubuta		26° 52' 48" S 31° 28' 12" E	508 m
Kwaluseni		26° 29' 00" S 31° 20' 00" E	723 m
Lomati Gold Mine		25° 49' 15" S 31° 17' 40" E	520 m
Lubombo region			
Luyengo		26° 32' 00" S 31° 14' 00" E	638 m
Maguga, Ekutikeni		26° 04' 56" S 31° 15' 07" E	
Maguga Dam		26° 04' 27" S 31° 15' 43" E	
Malalotja Cottage		26° 08' 00" S 31° 07' 00" E	
Malkerns		26° 34' 12" S 31° 09' 00" E	
Malolotja Game Reserve (see also: Malolotja Nature Reserve)		26° 08' 00" S 31° 08' 00" E	
Malolotja Nature Reserve (see Malolotja Game Reserve)		26° 08' 00" S 31° 08' 00" E	
Maloma Primary School		27° 01' 00" S 31° 39' 00" E	350 m
Manzini region			
Mbabane		26° 19' 00" S 31° 08' 00" E	1243 m
Mbuluzi Game Reserve		26° 12' 00" S 31° 58' 48" E	171 m
Mbuluzi Game Reserve, 3rd river crossing		26° 11' 50" S 31° 58' 56" E	
Mbutfu Primary School			
Mhlume - Isherene road		26° 06' 07" S 31° 52' 02" E	
Mhlumeni		26° 15' 00" S 32° 06' 00" E	508 m
Mkhaya		26° 37' 00" S 31° 46' 00" E	
Mkhaya Game Reserve		26° 37' 48" S 31° 46' 12" E	
Mkhuzweni Primary School		25° 53' 00" S 31° 31' 00" E	
Mlawula Estates		26° 12' 00" S 32° 01' 00" E	760 m
Mlawula Nature Reserve, S of Siphiso, 10 km NE Simunye		26° 12' 00" S 32° 01' 00" E	760 m
Mlawula Nature Reserve, site 1, Siphiso, S		26° 10' 49" S 32° 02' 57" E	
Mlawula Nature Reserve, site 2, Siphiso, S		26° 11' 08" S 32° 00' 21" E	
Mlawula Nature Reserve, site 3		26° 12' 30" S 32° 00' 18" E	760 m
Mlawula road, 4 km from junction, Simunye		26° 10' 25" S 31° 59' 33" E	
Mlawula Weir		26° 11' 28" S 32° 00' 18" E	
Motshane Portion 2/987	ca.	26° 13' 00" S 31° 03' 00" E	
Ndabasezwe High School		27° 16' 00" S 31° 46' 00" E	
Ndlovu Camp		26° 15' 35" S 31° 52' 37" E	280 m
Ngcoseni Primary		26° 46' 00" S 31° 04' 00" E	
Ngonini estates		25° 48' 00" S 31° 24' 32" E	421 m
Ngwenya (see also: Byrhtes)		26° 10' 00" S 31° 03' 00" E	
Ngwenya [=Byrhtes]		26° 10' 00" S 31° 03' 00" E	
Nkwene High School		26° 52' 00" S 31° 19' 00" E	
Nottinghill Mine		25° 57' 36" S 31° 10' 12" E	
Nsoka (see Nsoko)		27° 02' 00" S 31° 57' 00" E	182 m
Nsoko (see also: Forbes Ranch, Nsoka)		27° 02' 00" S 31° 57' 00" E	182 m
Our Lady of Sorrows		27° 16' 00" S 31° 32' 00" E	
Piggs Peak (see also: Piggs Peak Mine, The Peak)		25° 58' 00" S 31° 15' 00" E	
Piggs Peak Mine (see Piggs Peak)		25° 58' 00" S 31° 15' 00" E	
Pine Valley		26° 16' 12" S 31° 13' 48" E	
Python Pool		26° 11' 30" S 32° 00' 18" E	160 m
Ranches LTD		26° 02' 00" S 31° 42' 00" E	
Rosecraft		26° 38' 00" S 31° 17' 00" E	667 m
Saint Florence Mission		26° 14' 00" S 31° 26' 00" E	
Saint Josephs mission (see also: St. Joseph's)		26° 28' 00" S 31° 29' 00" E	
Saint Peregrines mission (see also: St. Peregrines)		26° 03' 00" S 31° 26' 00" E	
Sandleni Primary School		27° 04' 00" S 31° 25' 00" E	
Shiselweni region			
Sibobela Primary School (see Sitobela Primary School)		26° 53' 00" S 31° 36' 00" E	327 m
Sikhunyana		26° 02' 00" S 31° 35' 00" E	
Simunye Nature Reserve		26° 14' 46" S 31° 57' 49" E	
Simunye, 10 km N		26° 07' 00" S 31° 57' 00" E	
Simunye, 15 km N, on Simunye-Tshaneni Road		26° 06' 17" S 31° 52' 18" E	239 m
Siphiso campsite, 10 km NE Simunye		26° 12' 34" S 32° 00' 02" E	
Sithobela Primary School (see Sitobela Primary School)		26° 53' 00" S 31° 36' 00" E	327 m

Sitobela Primary School (see also: Sibobela Primary School, Sithobela Primary School)		26° 53' 00" S 31° 36' 00" E	327 m
Siweni Riparian Site		26° 10' 48" S 32° 02' 55" E	
St. Florence Mission		26° 14' 00" S 31° 26' 00" E	
St. Joseph's (see Saint Josephs mission)		26° 28' 00" S 31° 29' 00" E	
St. Peregrines (see Saint Peregrines mission)		26° 03' 00" S 31° 26' 00" E	
Sundwini		26° 14' 57" S 31° 56' 31" E	
Swaziland			
Tahaneni (see Tshaneni)		25° 59' 00" S 31° 43' 00" E	321 m
The Peak (see Piggs Peak)		25° 58' 00" S 31° 15' 00" E	
Tshaneni (see also: Tahaneni, T'shaneni)		25° 59' 00" S 31° 43' 00" E	321 m
T'shaneni (see Tshaneni)		25° 59' 00" S 31° 43' 00" E	321 m
Tshaneni Iysis Ranch		25° 58' 00" S 31° 43' 00" E	302 m
UNISWA, Kwaluseni Campus		26° 28' 46" S 31° 18' 25" E	677 m
Wyldesdale Gold Mine (see Wylesdale Gold Mine)		25° 49' 00" S 31° 17' 00" E	542 m
Wylesdale Gold Mine, in old mine drive (see also: Wyldesdale Gold Mine)		25° 49' 00" S 31° 17' 00" E	542 m

Tanzania:

"Mosambiro", but actually Usambiro			
Aguapim, Goldküste			
Amana (reef)		8° 42' 17" S 39° 27' 10" E	
Amana Island		8° 42' 17" S 39° 27' 10" E	
Amani		5° 06' 00" S 38° 38' 00" E	
Amani Chemka		5° 06' 00" S 38° 38' 00" E	
Amani Nature Forest Reserve, NW-side		5° 07' 32" S 38° 34' 50" E	945 m
Amani West Forest Reserve		5° 06' 00" S 38° 38' 00" E	3000 ft
Amani, 4.5 km ESE (see Monga Tea Estate)		5° 06' 00" S 38° 36' 00" E	
Amani, 4.5 km WNW	ca.	5° 06' 00" S 38° 38' 00" E	
Amani, 8 km NWN	ca.	5° 06' 00" S 38° 38' 00" E	
Amani, 8 km NWN (see Bulwa Tea Estate)		5° 00' 00" S 38° 38' 00" E	1000 m
Amani-Sigi Forest Reserve		5° 07' 00" S 38° 39' 00" E	635 m
Ambangulu Estate		5° 05' 00" S 38° 26' 00" E	
Ambani caves, 3 mi N Tanga (see also: Tanga, 3 mi [=4.8 km] N)		5° 04' 00" S 39° 03' 00" E	
Amboni		5° 04' 00" S 39° 03' 00" E	
Amboni Cave Forest (see Mkulumuzi River Gorge), 2.5 km W Tanga		5° 04' 00" S 39° 03' 00" E	36 m
Amboni caves, 3 mi N Tanga (see also: Mkulumuzi caves, Siga caves)		5° 04' 00" S 39° 03' 00" E	
Aru Meru district (see also: Arusha district)		3° 20' 00" S 36° 45' 00" E	
Aruscha (see Arusha), Chini, Mushi		3° 22' 00" S 36° 41' 00" E	1254 m
Arusha, Chini, Mushi (see also: Aruscha, Arusha Chini)		3° 22' 00" S 36° 41' 00" E	1254 m
Arusha Chini		3° 35' 00" S 37° 20' 00" E	839 m
Arusha Chini (see Arusha)		3° 22' 00" S 36° 41' 00" E	1254 m
Arusha district (see Aru Meru district)		3° 20' 00" S 36° 45' 00" E	
Arusha National Park (see also: Ngongargare Forest)		3° 15' 00" S 36° 45' 00" E	
Arusha region			
Arusha, 6 mi [=9.7 km] S		3° 35' 00" S 37° 20' 00" E	1372 m
Arusha, 8 mi [=13 km] S		3° 35' 00" S 37° 20' 00" E	
Ashanti-Geita	ca.	2° 55' 00" S 32° 05' 00" E	
Bagamojo (see Bagamoyo)		6° 26' 00" S 38° 54' 00" E	
Bagamoyo (see also: Bagamojo)		6° 26' 00" S 38° 54' 00" E	
Bagamoyo district		6° 20' 00" S 38° 30' 00" E	
Bagilo		7° 10' 00" S 37° 40' 00" E	
Bamba Ridge Forest Reserve (see also: Bamba-Mlungi Forest Reserve)		4° 57' 00" S 38° 47' 00" E	
Bamba-Mlungi Forest Reserve (see Bamba Ridge Forest Reserve)		4° 57' 00" S 38° 47' 00" E	
Banagi, Serengeti		2° 16' 00" S 34° 51' 00" E	1413 m
Banagi, 4 mi [=6.4 km] NNW (see Rohero Mine)	ca.	2° 16' 00" S 34° 51' 00" E	
Barawa			
Behobeho		8° 15' 00" S 37° 30' 00" E	
Bet El Ras, Zanzibar		6° 07' 00" S 39° 13' 00" E	
Biaramulo (see Biharamulo)		2° 37' 55" S 31° 18' 32" E	1495 m
Biharamulo (see also: Biaramulo, Ussuwi, Usuwi)		2° 37' 55" S 31° 18' 32" E	1495 m
Biharamulo district		2° 30' 00" S 31° 20' 00" E	

Bismarckburg (see Kasanga)	8° 28' 00" S 31° 09' 00" E	769 m
Bologonja (see Bologonya), Serengeti	1° 34' 00" S 34° 58' 00" E	
Bologonya, Serengeti (see also: Bologonja)	1° 34' 00" S 34° 58' 00" E	
Bombo, 5.5 km S (see Kanza village, near)	4° 19' 12" S 38° 00' 00" E	1100 m
Bombo, 7 km S	4° 19' 48" S 38° 00' 00" E	1100 m
Bombo, 8 km S (see Lugulu village, near)	4° 19' 48" S 38° 00' 00" E	1100 m
Bugagi, Zanzibar		
Bukoba, Lake Victoria	1° 19' 54" S 31° 46' 44" E	1250 m
Bukoba district	1° 20' 00" S 31° 30' 00" E	
Bulwa Tea Estate, 8 km NWN Amani (see also: Amani, 8 km NWN)	5° 00' 00" S 38° 38' 00" E	1000 m
Bulyahulu [Gold Mine]	3° 43' 43" S 32° 28' 37" E	
Bulyanhulu	3° 44' 00" S 32° 29' 00" E	
Bumbwini	5° 58' 00" S 39° 12' 00" E	0 m
Bumbwini	5° 58' 00" S 39° 11' 00" E	
Bunduki	7° 02' 00" S 37° 38' 00" E	1416 m
Bunge (see Bungi), Zanzibar	6° 16' 00" S 39° 20' 00" E	0 m
Bungi, Zanzibar (see also: Bunge)	6° 16' 00" S 39° 20' 00" E	0 m
Bungi-Gurunsini	6° 14' 38" S 39° 19' 13" E	5 m
Burru (see Mbulu)	3° 51' 00" S 35° 32' 00" E	1772 m
Bwiru (see also: Wiru)	2° 28' 16" S 32° 53' 13" E	
Capri Point	2° 31' 37" S 32° 53' 22" E	
Central Mpwapwa	6° 40' 00" S 36° 25' 00" E	
Chai camp		
Chake Chake (see also: Chakechake, Chaki Chaki)	5° 15' 00" S 39° 46' 00" E	1 m
Chakechake (see Chake Chake)	5° 15' 00" S 39° 46' 00" E	1 m
Chaki Chaki (see Chake Chake)	5° 15' 00" S 39° 46' 00" E	1 m
Chandege	1° 31' 00" S 33° 48' 00" E	1133 m
Chilmangiaro (see Mount Kilimanjaro)	3° 04' 00" S 37° 22' 00" E	4500 ft
Chimala	8° 51' 00" S 34° 01' 00" E	1200 m
Chita, 1.7 km N, 3.5 km W	8° 30' 20" S 35° 54' 30" E	910 m
Chita, 3 km N (see Udzungwa Scarp forest reserve)	8° 31' 00" S 35° 56' 00" E	
Chita, 4.5 km W	8° 31' 10" S 35° 54' 15" E	600 m
Chole island	7° 58' 36" S 39° 45' 39" E	
Chole Shamba (see Mafia island)	7° 51' 14" S 39° 46' 49" E	
Chome Forest Reserve, 3 km E, 0.7 km N Mhero (see also: Mhero, 3 km E, 0.7 km N, South Pare Mountains)	4° 18' 00" S 37° 58' 00" E	2000 m
Chonja village	4° 57' 02" S 39° 43' 45" E	14 m
Chuaka	5° 23' 00" S 39° 47' 00" E	0 m
Chugu Peak, near	6° 50' 01" S 36° 34' 19" E	
Dali	7° 00' 00" S 36° 25' 00" E	
Dar es Salaam (see also: Dar es Salaam University, Dar es Salam, Dar-es-Salaam, University of Dar es Salaam)	6° 48' 00" S 39° 17' 00" E	0 m
Dar es Salaam University (see Dar es Salaam)	6° 48' 00" S 39° 17' 00" E	
Dar es Salaam, 5 mi [=8 km] NW	6° 48' 00" S 39° 15' 00" E	
Dar es Salaam, 9 mi [=14.5 km] N	6° 42' 00" S 39° 18' 00" E	
Dar es Salam (see Dar es Salaam)	6° 48' 00" S 39° 17' 00" E	0 m
Dar-Es-Salaam region		
Dar-es-Salaam (see Dar es Salaam)	6° 48' 00" S 39° 17' 00" E	0 m
Dayte cave	6° 03' 22" S 39° 22' 16" E	28 m
Dindira and Ibaya, halfway between		
Dodoma		
Dodoma region		
Dodoma, 97 km E (see Kongwa)	6° 12' 00" S 36° 25' 00" E	1135 m
Doma Mikumi Game Controlled Area (see Mikumi National Park)	7° 15' 00" S 37° 05' 00" E	
Duluti, lake (see Lake Duluti)	3° 23' 00" S 36° 47' 00" E	
East Usambara mountains		
El Huthera island (see Pemba island)	5° 10' 00" S 39° 48' 00" E	
Engaruka, near Ngorongoro Conservation area (see also: Engruka, Ngaruka)	2° 59' 00" S 35° 57' 00" E	982 m
Engruka (see Engaruka)	2° 59' 00" S 35° 57' 00" E	982 m
Fig Tree Arch	3° 14' 39" S 36° 49' 42" E	
Foley's Camp	3° 47' 52" S 36° 04' 08" E	999 m
Fondo Island (see Fundo Island)	5° 03' 00" S 39° 39' 00" E	
Fufuni	5° 26' 00" S 39° 41' 00" E	0 m
Fundo Island (see also: Fondo Island)	5° 03' 00" S 39° 39' 00" E	
Geita district	2° 55' 00" S 32° 15' 00" E	

Geita region			
Genda Genda South Forest Reserve, 30 km SW Pangani		5° 34' 00" S 38° 38' 00" E	
(see also: Gendagenda South Forest Reserve, Pangani, 30 km SW)			
Gendagenda South Forest Reserve (see Genda Genda South Forest Reserve), 30 km SW Pangani		5° 34' 00" S 38° 38' 00" E	
Gibbs farm, Karatu, eastern Oldeani		3° 21' 00" S 35° 32' 00" E	
Gombe Stream Game Reserve (see Gombe Stream National Park)		4° 42' 00" S 29° 37' 00" E	
Gombe Stream National Park		4° 42' 00" S 29° 37' 00" E	
(see also: Gombe Stream Game Reserve)			
Gombero, ca 6 km S, 2.5 km E (see Nguru North Forest Reserve)		5° 28' 45" S 37° 27' 51" E	
Gonja		4° 16' 00" S 38° 03' 00" E	575 m
(see also: Gonja Maore)			
Gonja Forest Reserve, 2 km SW Gonja Maore		4° 16' 00" S 38° 02' 00" E	550 m
(see also: Gonja Maore, 2 km SW)			
Gonja Maore (see Gonja)		4° 16' 00" S 38° 03' 00" E	575 m
Gonja Maore, 2 km SW (see Gonja Forest Reserve)		4° 16' 00" S 38° 02' 00" E	550 m
Great Pangani Falls (see Pangani Falls)		5° 21' 00" S 38° 39' 00" E	
Great Ruaha River		7° 56' 00" S 37° 50' 00" E	
Grummetti (see Gurumeti), Serengeti		2° 05' 00" S 33° 57' 00" E	
Gulube Station, Mpwapwa		6° 27' 00" S 36° 25' 00" E	780 m
Gulwe Station, Mpwapwa		6° 27' 00" S 36° 25' 00" E	780 m
Gurumeti, Serengeti		2° 05' 00" S 33° 57' 00" E	
(see also: Grummetti)			
Handajega, Serengeti		2° 15' 00" S 34° 06' 00" E	1200 m
(see also: Handajegu)			
Handajegu (see Handajega), Serengeti		2° 15' 00" S 34° 06' 00" E	1200 m
Handeni district		5° 30' 00" S 38° 00' 00" E	
Igale (see Itale)		9° 16' 00" S 33° 19' 00" E	1690 m
Igalula		5° 38' 00" S 32° 38' 00" E	1113 m
Ikau			
Ikoma [hill]		3° 03' 00" S 33° 07' 00" E	
Ikungi, Singida		5° 08' 00" S 34° 46' 00" E	1532 m
Ilolo, near Rungwe		9° 10' 00" S 33° 35' 00" E	1469 m
Ilonga Research and Training Centre		6° 51' 00" S 36° 59' 00" E	
Imbala, near Kilosa		6° 51' 00" S 36° 59' 00" E	
Ingalala, near Mahenge		8° 41' 00" S 36° 41' 00" E	
Inkoani			
Inwale, Kilwa			
Iraka landscape			
Iraka landscape (see Mbulu)		3° 51' 00" S 35° 32' 00" E	1772 m
Iraku (see Mbulu)		3° 51' 00" S 35° 32' 00" E	1772 m
Iringa		7° 46' 00" S 35° 42' 00" E	1574 m
Iringa district		7° 35' 00" S 35° 30' 00" E	
Iringa region			
Iringa, 12 km ESE (see Kigwembinbi)		7° 48' 22" S 35° 48' 13" E	1600 m
Iringa, 137 km SE (see Mbangala)		8° 36' 00" S 36° 44' 00" E	626 m
Iringa, 30 mi [=48 km] SSE (see Itanga)		8° 08' 00" S 35° 54' 00" E	1772 m
Iringa, 6 km E (see Kibebe farms)		7° 47' 00" S 35° 45' 00" E	1550 m
Iringa, near		7° 47' 00" S 35° 42' 00" E	
Isamico		2° 30' 00" S 32° 54' 00" E	1135 m
Isamilo (International School)		2° 30' 30" S 32° 54' 23" E	
Isongo	ca.	8° 45' 24" S 36° 41' 45" E	
Issuna		5° 23' 00" S 34° 46' 00" E	1423 m
(see also: Isuna, Suna)			
Isuna (see Issuna)		5° 23' 00" S 34° 46' 00" E	1423 m
Itale		9° 16' 00" S 33° 19' 00" E	1690 m
(see also: Igale)			
Itanga, 30 mi [=48 km] SSE Iringa		8° 08' 00" S 35° 54' 00" E	1772 m
(see also: Iringa, 30 mi [=48 km] SSE)			
Itende		6° 46' 00" S 36° 23' 00" E	1532 m
Itumba			
Jipe, lake		3° 35' 00" S 37° 45' 00" E	
(see also: Lake Jipe)			
Juani island		8° 00' 36" S 39° 46' 31" E	
Juani village		7° 59' 28" S 39° 46' 47" E	10 m
Kafukola		8° 05' 00" S 31° 57' 00" E	1126 m
Kagera region			
(see also: West Lake region |PC:KG|)			
Kalambo Falls		8° 36' 00" S 31° 14' 00" E	
(see also: Kalembo)			
Kalembo (see Kalambo Falls)		8° 35' 00" S 31° 13' 00" E	
Kalilani village		6° 01' 03" S 29° 45' 08" E	785 m
Kamanga	ca.	2° 32' 02" S 32° 50' 20" E	

Kambai Forest Reserve		4° 59' 00" S 38° 41' 00" E	
Kampi Ya Mawe		1° 30' 00" S 33° 50' 00" E	
Kanga Ngome forest	ca.	7° 51' 14" S 39° 46' 49" E	
Kangwena		6° 07' 54" S 29° 47' 38" E	780 m
Kanza village, near, 5.5 km S Bombo		4° 19' 12" S 38° 00' 00" E	1100 m
(see also: Bombo, 5.5 km S)			
Karema		6° 49' 00" S 30° 26' 00" E	785 m
Karugu		1° 19' 00" S 31° 49' 00" E	
Kasanga		8° 28' 00" S 31° 09' 00" E	769 m
(see also: Bismarckburg)			
Kasanga Forest Reserve		7° 11' 40" S 37° 45' 38" E	
KaskaPC:PN|)			
KaskaPC:ZN|)			
Kassulo (see Kasulu)		4° 34' 36" S 30° 06' 09" E	1458 m
Kasulo (see Kasulu)		4° 34' 36" S 30° 06' 09" E	1458 m
Kasulu		4° 34' 36" S 30° 06' 09" E	1458 m
(see also: Kassulo, Kasulo)			
Katavi region			
Katungulu (see Katunguru)		2° 31' 00" S 32° 40' 00" E	1219 m
Katunguru		2° 31' 00" S 32° 40' 00" E	1219 m
(see also: Katungulu)			
Kawe		4° 18' 00" S 33° 03' 00" E	1189 m
Kazimzumbwi forest reserve, SSW Dar es Salaam		6° 58' 00" S 39° 03' 00" E	
Kebandio island, Zanzibar			
Kele		1° 06' 00" S 31° 31' 12" E	
Kibara		2° 09' 00" S 33° 27' 00" E	1137 m
(see also: Kibarra)			
Kibarra (see Kibara)		2° 09' 00" S 33° 27' 00" E	1137 m
Kibata		8° 28' 00" S 38° 59' 00" E	285 m
Kibatini village		4° 57' 24" S 39° 43' 04" E	51 m
Kibebe farms, 6 km E Iringa		7° 47' 00" S 35° 45' 00" E	1550 m
(see also: Iringa, 6 km E)			
Kibonato (see Kibongoto)		3° 11' 00" S 37° 06' 00" E	6200 ft
Kibongoto		3° 11' 00" S 37° 06' 00" E	6200 ft
(see also: Kibonato, Kibonoto)			
Kibonoto (see Kibongoto)		3° 11' 00" S 37° 06' 00" E	6200 ft
Kiboscho (see Kibosho)		3° 15' 00" S 37° 19' 00" E	1206 m
Kibosho		3° 15' 00" S 37° 19' 00" E	1206 m
(see also: Kiboscho)			
Kibwele (see Kibwele Tea Estate)		8° 34' 32" S 35° 19' 55" E	
Kibwele Tea Estate		8° 34' 32" S 35° 19' 55" E	
(see also: Kibwele)			
Kichanjane (see Kichanjani)		5° 27' 00" S 38° 59' 00" E	0 m
Kichanjani		5° 27' 00" S 38° 59' 00" E	0 m
(see also: Kichanjane)			
Kideke		5° 10' 20" S 39° 49' 50" E	
Kidode (see Kidodi)		7° 36' 00" S 36° 59' 00" E	337 m
Kidodi, The Great Ruaha River, N		7° 36' 00" S 36° 59' 00" E	337 m
(see also: Kidode)			
Kidugallo		6° 47' 00" S 38° 12' 00" E	180 m
Kigoma, near Lake Tanagyika		4° 52' 37" S 29° 37' 36" E	775 m
Kigoma region			
Kigoma district		5° 30' 00" S 30° 00' 00" E	
Kigoma, near, near Lake Tanagyika		4° 53' 00" S 29° 38' 00" E	1067 m
Kigwembinbi, 12 km ESE Iringa		7° 48' 22" S 35° 48' 13" E	1600 m
(see also: Iringa, 12 km ESE)			
Kihanga, 15 km SSE Msisiwe		8° 22' 00" S 35° 56' 00" E	1800 m
(see also: Msisiwe, 15 km SSE)			
Kihansi airstrip		8° 24' 22" S 35° 40' 57" E	
Kihansi Gorge			
Kijijini village		4° 54' 06" S 39° 41' 17" E	21 m
Kilimandcharo (see Mount Kilimanjaro)		3° 04' 00" S 37° 22' 00" E	4500 ft
Kilimanjaro region			
Kilimanjaro, mount (see Mount Kilimanjaro)		3° 04' 00" S 37° 22' 00" E	4500 ft
Kilimatinde hospital, near Manyoni		5° 49' 58" S 34° 57' 43" E	
Kilindoni, Mafia island		7° 54' 46" S 39° 39' 48" E	
Kilindoni Forest Strip		7° 53' 21" S 39° 40' 57" E	
Kilombero district		8° 15' 00" S 36° 25' 00" E	
Kilombero Valley, Rufiri-Itete area		8° 40' 00" S 36° 30' 00" E	330 m
Kilosa		6° 50' 00" S 36° 59' 00" E	572 m
(see also: Kilossa)			
Kilosa district		7° 00' 00" S 37° 00' 00" E	
Kilosa, near	ca.	6° 49' 00" S 37° 00' 00" E	
(see also: Kilossa, weitere Umgebung)			
Kilossa (see Kilosa)		6° 50' 00" S 36° 59' 00" E	572 m

Kilossa, weitere Umgebung (see Kilosa, near), Tangayika, Deutsch Ost Afrika [=German East Africa]	ca.	6° 49' 00" S 37° 00' 00" E	
Kilulu Hill, Moa		4° 46' 00" S 39° 08' 00" E	
Kilwa (see Kilwa Kivinje)		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa district		9° 00' 00" S 39° 00' 00" E	
Kilwa Kivinje (see also: Kilwa, Kilwa-Kiwindje, Kilwa-Kiwindsche)		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa-Kiwindje (see Kilwa Kivinje)		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa-Kiwindsche (see Kilwa Kivinje)		8° 45' 00" S 39° 24' 00" E	25 m
Kimboza Forest Reserve		7° 01' 45" S 37° 46' 42" E	
Kindoroko Forest Reserve		3° 45' 37" S 37° 38' 50" E	1688 m
Kinole, N slope Uluguru mountains		6° 54' 00" S 37° 46' 00" E	739 m
Kiono-Zaraninge Forest Reserve (see also: Zaraninge-Kiano forest reserve)	ca.	6° 08' 00" S 38° 36' 00" E	
Kipangani village		4° 57' 54" S 39° 42' 52" E	12 m
Kipara and Ikulia Rivers, between			
Kiraboga		6° 51' 00" S 36° 59' 00" E	
Kisaki (see also: Kisaki Fort, Kissaki)		7° 28' 00" S 37° 36' 00" E	292 m
Kisaki Fort (see Kisaki)		7° 28' 00" S 37° 36' 00" E	292 m
Kisarawe (see also: Kiserawe)		6° 54' 00" S 39° 04' 00" E	222 m
Kisarawe district		7° 10' 00" S 38° 50' 00" E	
Kisarawe, near	ca.	6° 53' 00" S 39° 03' 00" E	
Kiserawe (see Kisarawe)		6° 54' 00" S 39° 04' 00" E	222 m
Kiserui (see Kizerui)		5° 01' 37" S 38° 32' 46" E	
Kisiju island		7° 24' 00" S 39° 20' 00" E	
Kisikka			
Kissaki (see Kisaki)		7° 28' 00" S 37° 36' 00" E	292 m
Kiswanga		1° 57' 00" S 33° 56' 00" E	
Kiswawe			
Kitaya, Ruvuma River		10° 39' 00" S 40° 10' 00" E	45 m
Kitungulu, southwestern	ca.	8° 29' 00" S 31° 17' 00" E	
Kiwenga		5° 59' 24" S 39° 22' 35" E	
Kiwenga, near	ca.	5° 59' 24" S 39° 22' 35" E	16 m
Kiwengoma Forest Reserve		8° 20' 36" S 38° 55' 09" E	
Kiwengwa-Pongwe Forest Reserve cave		6° 00' 43" S 39° 22' 03" E	29 m
Kizara Logging Site	ca.	4° 52' 00" S 38° 38' 00" E	
Kizerui (see also: Kiserui)		5° 01' 37" S 38° 32' 46" E	
Kizimkazi, Zanzibar (see also: Kizimkazi Mkunguni, Mkunguni)		6° 27' 00" S 39° 28' 00" E	0 m
Kizimkazi Mkunguni (see Kizimkazi), Zanzibar		6° 27' 00" S 39° 28' 00" E	0 m
Kobani (see Mkoani)		5° 22' 00" S 39° 39' 00" E	0 m
Kokotoni (see Mkokotoni), Zanzibar		5° 52' 00" S 39° 15' 00" E	0 m
Kondoa (see also: Kondoa Irangi)		4° 54' 00" S 35° 47' 00" E	1405 m
Kondoa Irangi (see Kondoa)		4° 54' 00" S 35° 47' 00" E	1405 m
Kondoa, 100 mi [=160 km] E (see Kujungu)		5° 14' 56" S 37° 06' 01" E	
Kongwa, 97 km E Dodoma (see also: Dodoma, 97 km E)		6° 12' 00" S 36° 25' 00" E	1135 m
Konongo, near Lake Rukwa	ca.	6° 45' 00" S 31° 25' 00" E	
Korogwe (see also: Nkologwe)		5° 09' 00" S 38° 29' 00" E	301 m
Korogwe district		5° 00' 00" S 38° 25' 00" E	
Korogwe, 12.5 km NW	ca.	5° 08' 00" S 38° 30' 00" E	
Kotur			
Kua ruins		8° 00' 16" S 39° 46' 00" E	
Kugulwira		6° 48' 00" S 37° 40' 00" E	
Kujungu (see also: Kondoa, 100 mi [=160 km] E)		5° 14' 56" S 37° 06' 01" E	
Kulumusi caves (see Kulumuzi caves) (see also: Kulumuzi caves)		5° 04' 00" S 39° 06' 00" E	
Kulumuzi caves (see also: Kulumusi caves, Mkulumsi)		5° 04' 00" S 39° 06' 00" E	
Kulumuzi caves (see Kulumusi caves)		5° 04' 00" S 39° 06' 00" E	
Kunguë Hill summit, 0.5 km NW (see Nkungwe Hill summit, 0.5 km NW)		6° 06' 16" S 29° 46' 44" E	2100 m
Kungwe Hille summit, 0.5 km NW (see Nkungwe Hill summit, 0.5 km NW)		6° 06' 16" S 29° 46' 44" E	
Kurasini area, Dar-es-Salaam		6° 50' 00" S 39° 17' 00" E	
KusinPC:PS|)			
KusinPC:ZS|)			
Kwa Mtoro, Kilimatinde, Singida		5° 14' 00" S 35° 26' 00" E	1214 m
Kwabaniani caves		6° 09' 37" S 39° 20' 56" E	25 m

Kwambumi Forest Reserve, 4.4 km W Mt Mhinduro, 2 km S Kwamtili Estate Offices (see also: Kwamtili Estate Offices, 2 km S, Mount Mhinduro, 4.4 km W)		4° 56' 30" S 38° 43' 48" E	230 m
Kwamgumi Forest Reserve, East Usambara mountains (see also: Kwamguni Forest Reserve, Kwamtili Forest Reserve)		4° 56' 00" S 38° 45' 00" E	150 m
Kwamguni Forest Reserve (see Kwamgumi Forest Reserve)		4° 56' 00" S 38° 45' 00" E	150 m
Kwamkoro [Forest Reserve] (see Kwamkoro-Kwamsambia Forest Reserve)		5° 10' 00" S 38° 36' 00" E	590 m
Kwamkoro-Kwamsambia Forest Reserve, Nenguruwe River (see also: Kwamkoro [Forest Reserve])		5° 10' 00" S 38° 36' 00" E	590 m
Kwamtili Estate Offices, 2 km S (see Kwambumi Forest Reserve)		4° 56' 30" S 38° 43' 48" E	230 m
Kwamtili Forest Reserve (see Kwamgumi Forest Reserve)		4° 56' 00" S 38° 45' 00" E	150 m
Lake Duluti (see also: Duluti, lake)		3° 23' 00" S 36° 47' 00" E	
Lake Jipe (see Jipe, lake)		3° 35' 00" S 37° 45' 00" E	
Lake Manyara (see Manyara, Lake)		3° 35' 00" S 35° 50' 00" E	
Lake Manyara National Park, Ndala River		3° 37' 00" S 35° 53' 00" E	
Lake Natron (see Natron, lake)		2° 25' 00" S 36° 00' 00" E	
Lake Natron, W side (see Natron, W side lake)		2° 25' 00" S 36° 00' 00" E	
Lake Rukwa (see Rukwa, lake), Konongo		8° 00' 00" S 32° 25' 00" E	
Lake Tanganyika		4° 52' 00" S 29° 37' 00" E	
Lake Victoria (see Victoria, lake)		1° 00' 00" S 33° 00' 00" E	
Langenburg (see Lumbira)		9° 34' 00" S 34° 08' 00" E	476 m
Lembeni		3° 47' 00" S 37° 37' 00" E	1072 m
Lembeni district			
Li Junge, mountain			
Li Tunge			
Likawage, Kilwa		9° 13' 00" S 39° 00' 00" E	132 m
Lindi		10° 00' 00" S 39° 43' 00" E	0 m
Lindi region (see also: Southern region |PC:LI|)			
Lindi district		10° 00' 00" S 39° 20' 00" E	
Lindi, 25 km W (see Litipo Forest Reserve)		10° 02' 00" S 39° 30' 00" E	
Lindi, 50-60 km W (see Rondo Forest Reserve)		10° 09' 00" S 39° 15' 00" E	ca. 473 m
Lipumba, Matengo Heights		10° 51' 00" S 35° 02' 00" E	1266 m
Litipo Forest Reserve, 25 km W Lindi (see also: Lindi, 25 km W)		10° 02' 00" S 39° 30' 00" E	
Livale (see Liwale)		9° 46' 00" S 37° 56' 00" E	468 m
Liwale		9° 46' 00" S 37° 56' 00" E	468 m
(see also: Livale, Liwale T.T.)			
Liwale district		9° 30' 00" S 38° 00' 00" E	1900 ft
Liwale T.T. (see Liwale)		9° 46' 00" S 37° 56' 00" E	468 m
Longa (see Tanga)		5° 04' 00" S 39° 06' 00" E	0 m
Longuza North Forest Reserve		5° 04' 00" S 38° 41' 00" E	
Lugerungjere river			
Lugoda Tea Estate, Uzungwa mountains		8° 35' 07" S 35° 15' 22" E	
Lugulu village, near, 8 km S Bombo (see also: Bombo, 8 km S)		4° 19' 48" S 38° 00' 00" E	1100 m
Lukoga, Mahenge		9° 00' 00" S 37° 00' 00" E	
Lumbira (see also: Langenburg, Old Langenburg, Rumbira)		9° 34' 00" S 34° 08' 00" E	476 m
Lushoto district		4° 40' 00" S 38° 20' 00" E	
Lutindi Forest Reserve		4° 52' 00" S 38° 38' 00" E	
Machaga caves		6° 17' 14" S 39° 24' 08" E	21 m
Madaba		8° 40' 00" S 37° 47' 00" E	391 m
Madahani [mission] (see Madehani [mission])		9° 21' 00" S 34° 02' 00" E	
Madehani [mission] (see also: Madahani [mission])		9° 21' 00" S 34° 02' 00" E	
Mafia island (see also: Chole Shamba, Tschole-Schamba, Tshole-Shamba)		7° 51' 14" S 39° 46' 49" E	
Mafia Marine Park		7° 59' 04" S 39° 40' 22" E	
Mafinji camp		8° 36' 44" S 36° 28' 43" E	
Magamba		5° 32' 00" S 38° 05' 00" E	1524 m
Magan (see Natron, lake)		2° 25' 00" S 36° 00' 00" E	
Mageta (see Mugeta)		1° 57' 00" S 34° 12' 00" E	1354 m
Magrotto Estate		5° 07' 00" S 38° 45' 00" E	
Magrotto Hill (see also: Magrotto mountains)		5° 07' 00" S 38° 45' 00" E	
Magrotto mountains (see Magrotto Hill)	ca.	5° 07' 00" S 38° 45' 00" E	

Magrotto Plantation		4° 56' 32" S 38° 21' 06" E	
Mahale Mountains National Park		6° 12' 22" S 29° 56' 55" E	
Mahenge, near Kilosa		8° 41' 00" S 36° 43' 00" E	1276 m
Mahenge district (see Ulanga district)		9° 00' 00" S 36° 40' 00" E	
Mahenge Scarp Forest Reserve		8° 37' 00" S 36° 43' 36" E	790 m
Makangazi			
Makarazi			
Makoa			
Makoa Caves			
Makullo (see Makulo)		4° 09' 00" S 34° 45' 00" E	1533 m
Makulo		4° 09' 00" S 34° 45' 00" E	1533 m
(see also: Makullo)			
Makuya (see Mkundi)		6° 19' 00" S 37° 23' 00" E	536 m
Malindi		4° 37' 00" S 38° 18' 00" E	1626 m
Malindini			
Manga Forest Reserve		5° 01' 00" S 38° 46' 00" E	110 m
Mangangachi, Kilwa		9° 00' 00" S 39° 30' 00" E	
Mangapwani		6° 00' 00" S 39° 11' 00" E	
(see also: Mungopani)			
Mangola, SW Oldeami		3° 26' 00" S 35° 25' 00" E	1394 m
(see also: Mongola)			
Mangula		7° 50' 52" S 36° 52' 02" E	350 m
Manjoni (see Manyoni)		5° 45' 00" S 34° 50' 00" E	1276 m
Manyangu Forest Reserve, 8 km N, 3 km W Mhonda		6° 02' 50" S 37° 32' 50" E	1000 m
(see also: Mhonda, 8 km N, 3 km W)			
Manyara region			
Manyara, Lake		3° 35' 00" S 35° 50' 00" E	
(see also: Lake Manyara)			
Manyoni		5° 45' 00" S 34° 50' 00" E	1276 m
(see also: Manjoni)			
Mara, Mugeta		1° 31' 00" S 33° 49' 00" E	
Mara region			
Marahubi (see Marahubi Mlangoni), Zanzibar		6° 09' 00" S 39° 13' 00" E	20 m
Marahubi Mlangoni, Zanzibar		6° 09' 00" S 39° 13' 00" E	20 m
(see also: Marahubi, Marhubi)			
Maramba district			
Mararenge		8° 55' 00" S 39° 34' 00" E	
Marhubi (see Marahubi Mlangoni), Zanzibar		6° 09' 00" S 39° 13' 00" E	20 m
Marienhof, Wugiri		5° 06' 00" S 38° 29' 00" E	
Marungu		3° 44' 00" S 30° 48' 00" E	1317 m
Maruwa Jongo cave	ca.	5° 07' 00" S 39° 45' 00" E	
Masimani		4° 13' 00" S 37° 33' 00" E	807 m
Masingini Forest Station		6° 07' 00" S 39° 14' 34" E	86 m
Matai Forest Reserve		4° 51' 00" S 38° 46' 00" E	250 m
Matanga (see Matanga Twani)		4° 58' 00" S 39° 44' 00" E	
Matanga Twani		4° 58' 00" S 39° 44' 00" E	
(see also: Matanga, Mtanga Twani)			
Matanilas	ca.	9° 00' 00" S 36° 40' 00" E	244 m
Matema village		6° 07' 54" S 29° 47' 38" E	
Matete river, NE shore lake Eyasi		3° 35' 00" S 35° 15' 00" E	
Matumbi		9° 29' 00" S 35° 31' 00" E	575 m
Matumbi Highlands		8° 20' 00" S 38° 55' 00" E	
(see also: Matumbi-Berge)			
Matumbi-Berge (see Matumbi Highlands)		8° 20' 00" S 38° 55' 00" E	
Maua, 4 km N, 1.5 km W		3° 14' 24" S 37° 27' 30" E	
Maua, 7 km N, 2.5 km W		3° 12' 28" S 37° 26' 49" E	
Mawarenge		9° 36' 00" S 39° 02' 00" E	164 m
Mawere (district?)			
Mazama (see Musoma)		1° 30' 00" S 33° 48' 00" E	
Maziwa Ngombe		4° 58' 51" S 39° 52' 03" E	1 m
(see also: Maziwa ya Ngombe, Maziwangombe)			
Maziwa Ngombe		4° 59' 00" S 39° 52' 00" E	
(see also: Maziwangombe)			
Maziwa ya Ngombe (see Maziwa Ngombe)		4° 58' 51" S 39° 52' 03" E	1 m
Maziwangombe (see Maziwa Ngombe)		4° 58' 51" S 39° 52' 03" E	1 m
Maziwangombe (see Maziwa Ngombe)		4° 59' 00" S 39° 52' 00" E	
Mazumba Estate		4° 48' 00" S 38° 30' 00" E	1412 m
Mazumbai Forest Reserve		4° 45' 00" S 38° 15' 00" E	1500 m
Mazwa			
Mbala		6° 50' 00" S 36° 59' 00" E	572 m
Mbalizi, 13 km W (see Tegemo farm)	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
Mbangala, 137 km SE Iringa		8° 36' 00" S 36° 44' 00" E	626 m
(see also: Iringa, 137 km SE, Mbanja)			
Mbanja (see Mbangala), 137 km SE Iringa		8° 36' 00" S 36° 44' 00" E	626 m
Mbarangandu, Liwale		10° 12' 00" S 36° 48' 00" E	753 m
Mbemba		10° 03' 00" S 38° 31' 00" E	265 m

Mbeya		8° 54' 00" S 33° 27' 00" E	
Mbeya region			
Mbeya Township		8° 54' 00" S 33° 27' 00" E	1661 m
Mbeya, ca. 40 km W (see Songwe Bat Cave)		9° 42' 00" S 33° 56' 00" E	
Mbiji			
Mbizi Forest, Ufipa		7° 52' 00" S 30° 42' 00" E	
Mbizi Forest Reserve, 0.5 km N, 4 km E Wipanga (see also: Wipanga, 0.5 km N, 4 km E)		7° 52' 00" S 31° 40' 00" E	2200 m
Mbulu (see also: Burru, Iraka landscape, Iraku, Mburu, Umbulu)		3° 51' 00" S 35° 32' 00" E	1772 m
Mbulu district		3° 45' 00" S 35° 20' 00" E	
Mburu (see Mbulu)		3° 51' 00" S 35° 32' 00" E	1772 m
Mbuya Mingi Campsite, near		3° 50' 25" S 36° 00' 20" E	1060 m
Mbuyuni village		5° 07' 00" S 39° 45' 00" E	
Mbweni, Zanzibar		6° 13' 00" S 39° 12' 00" E	0 m
Mchungu Forest Reserve		7° 41' 15" S 39° 16' 15" E	
Mdandu Forest, 30 mi [=48 km] S Njombe (see also: Njombe, 30 mi [=48 km] S)		9° 50' 00" S 34° 47' 00" E	
Meru crater		3° 14' 31" S 36° 47' 14" E	
Meru river (see Mweru river)			
Meru, mount (see also: Mount Meru)		3° 13' 00" S 36° 40' 00" E	
Mfulu, Songoro [Hill]		3° 19' 00" S 36° 49' 00" E	
Mgambo Forest Reserve		4° 45' 15" S 38° 48' 10" E	400 m
Mgogoni		5° 00' 00" S 39° 44' 00" E	0 m
Mgudeni		6° 49' 00" S 37° 40' 00" E	
Mhero, 3 km E, 0.7 km N (see Chome Forest Reserve)		4° 18' 00" S 37° 58' 00" E	2000 m
Mhonda, 6 km N, 6 km W (see Nguru South Forest Reserve)		6° 03' 50" S 37° 31' 25" E	1500 m
Mhonda, 8 km N, 3 km W (see Manyangu Forest Reserve)		6° 02' 50" S 37° 32' 50" E	
Mhotta			
Mikindani (see also: Old Mikindani)		10° 17' 00" S 40° 07' 00" E	17 m
Mikumi National Park (see also: Doma Mikumi Game Controlled Area)		7° 15' 00" S 37° 05' 00" E	876 m
Mikumi National Park, H.Q.		7° 22' 00" S 37° 00' 00" E	
Milaliwila Forest Reserve		6° 59' 00" S 37° 45' 00" E	
Milimafedha mine		2° 20' 00" S 34° 50' 00" E	
Minaki, St. Andrews College (see also: St. Andrews College (Minaki))		6° 54' 01" S 39° 05' 32" E	
Minziro		1° 04' 00" S 31° 32' 00" E	
Minziro Forest Reserve		1° 03' 00" S 31° 32' 00" E	
Misingi, near Sanya Inn		3° 24' 00" S 37° 06' 00" E	
Misoma (see Musoma)		1° 30' 00" S 33° 48' 00" E	
Mizi Miombe Hill		5° 23' 00" S 39° 42' 00" E	
MjiniPC:ZW|)			
Mkalama		4° 07' 00" S 34° 38' 00" E	1215 m
Mkangasi	ca.	6° 37' 35" S 30° 18' 32" E	
Mkanyageni (see also: Mkanyagini)		5° 24' 00" S 39° 40' 00" E	
Mkanyagini (see Mkanyageni)		5° 24' 00" S 39° 40' 00" E	
Mkoani (see also: Kobani)		5° 22' 00" S 39° 39' 00" E	0 m
Mkokotoni, Zanzibar (see also: Kokotoni)		5° 52' 00" S 39° 15' 00" E	0 m
Mkomasi (see Mkomazi)		4° 38' 00" S 38° 05' 00" E	485 m
Mkomazi (see also: Mkomasi)		4° 38' 00" S 38° 05' 00" E	485 m
Mkomazi Game Reserve		4° 10' 00" S 38° 10' 00" E	
Mkulumsi (see Kulumuzi caves)		5° 04' 00" S 39° 06' 00" E	
Mkulumuzi caves (see Amboni caves), 3 mi N Tanga		5° 04' 00" S 39° 03' 00" E	
Mkulumuzi River Gorge, 2.5 km W Tanga (see also: Amboni Cave Forest, Tanga, 2.5 km W)		5° 04' 00" S 39° 03' 00" E	36 m
Mkundi (see also: Makuya)		6° 19' 00" S 37° 23' 00" E	536 m
Mkunguni (see Kizimkazi), Zanzibar		6° 27' 00" S 39° 28' 00" E	0 m
Mkungwe Forest Reserve		6° 52' 00" S 37° 55' 00" E	
Mkvani	ca.	5° 03' 59" S 39° 46' 39" E	
Mkwaja Ranch Forests		5° 52' 00" S 38° 47' 00" E	
Mlola Forest (see Mlolo Forest)		7° 51' 14" S 39° 46' 49" E	20 m
Mlolo Forest (see also: Mlola Forest)		7° 53' 00" S 39° 51' 00" E	20 m
Mlumbaji stream camp	ca.	8° 24' 22" S 35° 40' 57" E	

Mnara		10° 07' 00" S 39° 24' 00" E	
Mohoro		8° 08' 00" S 39° 10' 00" E	19 m
(see also: Mohorro plantation)			
Mohorro plantation (see Mohoro)		8° 08' 00" S 39° 10' 00" E	19 m
Mojoni (see Muyuni), Zanzibar		6° 22' 00" S 39° 28' 00" E	0 m
Mombo		4° 53' 00" S 38° 17' 00" E	513 m
Monga Tea Estate, 4.5 km ESE Amani		5° 06' 00" S 38° 36' 00" E	
(see also: Amani, 4.5 km ESE)			
Mongola (see Mangola), SW Oldeami		3° 26' 00" S 35° 25' 00" E	1394 m
Moringside		6° 53' 00" S 37° 40' 00" E	4000 ft
(see also: Morningside)			
Morningside (see Moringside)		6° 53' 00" S 37° 40' 00" E	4000 ft
Morogoro		6° 48' 00" S 37° 40' 00" E	560 m
Morogoro		6° 49' 00" S 37° 40' 00" E	510 m
(see also: Mrogoro, Murogoro, Norogoro)			
Morogoro region			
Morogoro district		6° 50' 00" S 37° 45' 00" E	
Morogoro, 20 mi [=32 km] N		6° 48' 00" S 37° 40' 00" E	
Morogoro, near	ca.	6° 48' 00" S 37° 40' 00" E	
Moschi (see Moshi)		3° 21' 00" S 37° 20' 00" E	887 m
Moshi		3° 21' 00" S 37° 20' 00" E	887 m
(see also: Moschi, Moshi Voi)			
Moshi Voi (see Moshi)		3° 21' 00" S 37° 20' 00" E	887 m
Mount Kilimanjaro		3° 04' 00" S 37° 22' 00" E	4500 ft
(see also: Chilmangiaro, Kilimandcharo, Kilimanjaro, mount)			
Mount Meru (see Meru, mount)		3° 13' 00" S 36° 40' 00" E	
Mount Mhinduro, 4.4 km W (see Kwambumi Forest Reserve)		4° 56' 30" S 38° 43' 48" E	230 m
Mpanda district		6° 30' 00" S 31° 30' 00" E	
Mpapua (see Mpwapwa)		6° 21' 00" S 36° 29' 00" E	970 m
Mpapwa (see Mpwapwa)		6° 21' 00" S 36° 29' 00" E	970 m
Mpwapwa		6° 21' 00" S 36° 29' 00" E	970 m
(see also: Mpapua, Mpapwa)			
Mrogoro (see Morogoro)		6° 49' 00" S 37° 40' 00" E	510 m
Msisiwe, 15 km SSE (see Kihanga)		8° 22' 00" S 35° 56' 00" E	1800 m
Msongozi		7° 04' 00" S 39° 20' 00" E	
Mtai Forest Reserve, East Usambara Mountains		4° 58' 00" S 38° 46' 00" E	
Mtandika		7° 32' 00" S 36° 26' 00" E	596 m
Mtanga Twani (see Matanga Twani)		4° 58' 00" S 39° 44' 00" E	
Mtira			
Mto wa Mbu		3° 22' 28" S 35° 51' 15" E	1170 m
(see also: Mtowamba, Mtowambo, Mto-Wa-Mbo)			
Mtondo River, Luwegu			
Mtowamba (see Mto wa Mbu), N End Lake Manyara		3° 22' 28" S 35° 51' 15" E	1170 m
Mtowambo (see Mto wa Mbu)		3° 22' 28" S 35° 51' 15" E	1170 m
Mto-Wa-Mbo (see Mto wa Mbu)		3° 22' 28" S 35° 51' 15" E	1170 m
Mtwara region			
Mtware district		10° 30' 00" S 40° 00' 00" E	
Muaja (see Mwaya), small port at N end Lake Nyasa		9° 33' 00" S 33° 57' 00" E	472 m
Muanibunge, near Lake Rukw			
Muansa (see Mwanza)		2° 31' 00" S 32° 54' 00" E	1209 m
Muanza (see Mwanza)		2° 31' 00" S 32° 54' 00" E	1209 m
Mubeza (see Muheza), Usambara Mountains		5° 10' 00" S 38° 47' 00" E	261 m
Mufindi district		8° 30' 00" S 35° 15' 00" E	
Mugeta		1° 57' 00" S 34° 12' 00" E	1354 m
(see also: Mageta)			
Muhange		9° 26' 00" S 36° 48' 00" E	
Muheza, Usambara Mountains		5° 10' 00" S 38° 47' 00" E	261 m
(see also: Mubeza)			
Muheza district		5° 00' 00" S 38° 55' 00" E	
Muheza Forest		5° 18' 20" S 38° 43' 44" E	
(see also: Tongwe Forest Reserve)			
Mulenge Forest		7° 25' 16" S 35° 28' 11" E	790 m
Mungopani (see Mangapwani)		6° 00' 00" S 39° 11' 00" E	
Murogoro (see Morogoro)		6° 49' 00" S 37° 40' 00" E	510 m
Musabi (Special Camp), Serengeti	ca.	2° 17' 18" S 34° 28' 00" E	
Musoma		1° 30' 00" S 33° 48' 00" E	
(see also: Mazama, Misoma, Musome, Muzoma)			
Musoma district		1° 45' 00" S 33° 50' 00" E	
Musome (see Musoma)		1° 30' 00" S 33° 48' 00" E	
Muyuni, Zanzibar		6° 22' 00" S 39° 28' 00" E	0 m
(see also: Mojoni)			
Muzoma (see Musoma)		1° 30' 00" S 33° 48' 00" E	
Mvaya (see Mwaya), small port at N end Lake Nyasa		9° 33' 00" S 33° 57' 00" E	472 m
Mvuha Forest Reserve		7° 11' 50" S 37° 48' 08" E	

Mwamza (see Mwanza)		2° 31' 00" S 32° 54' 00" E	1209 m
Mwanamakuku cave (see Pujini village)		5° 18' 00" S 39° 48' 00" E	1 m
Mwanasomano's, 35 mi [=56 km] S Tabora (see also: Mwansomanos, Tabora, 35 mi [=56 km] S)	ca.	5° 25' 19" S 32° 42' 42" E	
Mwanga district		3° 45' 00" S 37° 40' 00" E	
Mwanihana Forest, Uuzungwa Mountains (see also: Mwanihana Forest Reserve)		7° 50' 00" S 36° 50' 00" E	100 m
Mwanihana Forest Reserve (see Mwanihana Forest), Uuzungwa Mountains		7° 50' 00" S 36° 50' 00" E	100 m
Mwansa (see Mwanza)		2° 31' 00" S 32° 54' 00" E	1209 m
Mwansomanos (see Mwanasomano's), 35 mi [=56 km] S Tabora	ca.	5° 25' 19" S 32° 42' 42" E	
Mwanza (see also: Muansa, Muanza, Mwamza, Mwansa)		2° 31' 00" S 32° 54' 00" E	1209 m
Mwanza district		2° 30' 00" S 33° 00' 00" E	
Mwanza region			
Mwasa		6° 40' 00" S 36° 45' 00" E	627 m
Mwaya, small port at N end Lake Nyasa (see also: Muaja, Mvaya)		9° 33' 00" S 33° 57' 00" E	472 m
Mwaya, Kilwa		8° 55' 00" S 36° 50' 00" E	464 m
Mwaya, southwestern	ca.	9° 33' 00" S 33° 57' 00" E	
Mwazye		8° 27' 00" S 31° 44' 00" E	1883 m
Mwela		7° 46' 00" S 31° 40' 00" E	1031 m
Mwera district			
Mweru river (see also: Meru river)			
Mwiti Mkuu, Pemba island		4° 55' 00" S 39° 48' 00" E	
Mwofwomero Forest		6° 50' 01" S 36° 34' 19" E	1900 m
Mwsamwilager			
Myaiai		6° 48' 00" S 39° 12' 00" E	
Nachingwa (see Nachingwea)		10° 23' 00" S 38° 46' 00" E	380 m
Nachingwea (see also: Nachingwa)		10° 23' 00" S 38° 46' 00" E	380 m
Nachingwea district		10° 30' 00" S 38° 20' 00" E	
Nakibou, Kilwa		9° 00' 00" S 39° 30' 00" E	
Nam Lolwe (see Victoria, lake)		1° 00' 00" S 33° 00' 00" E	
Namakutwa Forest Reserve		8° 15' 00" S 39° 00' 22" E	
Namanjere (see Namanyere)		7° 31' 00" S 31° 03' 00" E	1587 m
Namanyere (see also: Namanjere)		7° 31' 00" S 31° 03' 00" E	1587 m
Nambiga Forest Reserve		8° 34' 00" S 36° 29' 00" E	
Namirembe (see Nyamirembe)		2° 32' 00" S 31° 42' 00" E	1149 m
Namithu Kilwa		9° 00' 00" S 39° 30' 00" E	
Namumbulu, Kilwa		9° 00' 00" S 39° 30' 00" E	
Nangoma cave?, near Matumbi	ca.	9° 29' 00" S 35° 31' 00" E	
Nanguale, Liwale			
Nashallo, near Sanya Juu		3° 12' 00" S 37° 02' 00" E	
Natron See (see Natron, lake) (see also: Ksar el Abadla)		2° 25' 00" S 36° 00' 00" E	
Natron, lake (see also: Lake Natron, Magan, Natron See)		2° 25' 00" S 36° 00' 00" E	
Natron, W side lake (see also: Lake Natron, W side)		2° 25' 00" S 36° 00' 00" E	
Nawenge Forest Reserve		8° 42' 00" S 36° 43' 00" E	
Ndala		3° 37' 30" S 35° 52' 30" E	
Ndundulu Forest (see West Kilombero Scarp Forest Reserve)		7° 55' 00" S 36° 30' 00" E	
New Dabaga/Ulangambi Forest Reserve		8° 04' 00" S 35° 55' 00" E	1930 m
Newala		10° 56' 00" S 39° 18' 00" E	620 m
Ngambaula Forest Reserve		6° 59' 00" S 37° 44' 00" E	
Ngaruka (see Engaruka)		2° 59' 00" S 35° 57' 00" E	982 m
Ngelehek, Serengeti	ca.	3° 00' 00" S 35° 00' 00" E	
Ngezi Forest		4° 56' 00" S 39° 42' 00" E	
Ngombeni	ca.	7° 57' 15" S 39° 39' 32" E	50 ft
Ngongargare Forest (see Arusha National Park)		3° 15' 00" S 36° 45' 00" E	
Ngoroine (see also: Nguruimi)			
Ngorongoro [crater]		3° 10' 00" S 35° 35' 00" E	
Ngozi Crater		8° 59' 59" S 23° 33' 43" E	
Nguru Mountains		6° 00' 00" S 37° 30' 00" E	
Nguru North Forest Reserve, approx 6 km S, 2.5 km E Gombero (see also: Gombero, ca 6 km S, 2.5 km E)		5° 28' 45" S 37° 27' 51" E	
Nguru South Forest Reserve, 6 km N, 6 km W Mhonda (see also: Mhonda, 6 km N, 6 km W)		6° 03' 50" S 37° 31' 25" E	1500 m

Nguruimi (see Ngoroine)			
Ngwazi Estate, Uzungwa Mountains		8° 31' 55" S 35° 10' 35" E	
Niete			
Nilo Forest Reserve		4° 54' 16" S 38° 39' 45" E	800 m
Njombe region			
Njombe, 30 mi [=48 km] S (see Mdandu Forest)		9° 50' 00" S 34° 47' 00" E	
Nkologwe (see Korogwe)		5° 09' 00" S 38° 29' 00" E	301 m
Nkome		2° 52' 00" S 32° 12' 00" E	1135 m
Nkungwe Hill summit, 0.5 km NW (see also: Kunguë Hill summit, 0.5 km NW, Kungwe Hille summit, 0.5 km NW)		6° 06' 16" S 29° 46' 44" E	2100 m
Noamania, Kilwa		9° 00' 00" S 39° 30' 00" E	
Norogoro (see Morogoro)		6° 49' 00" S 37° 40' 00" E	510 m
Northeastern Tanzania			
Northern Matema		9° 28' 53" S 34° 01' 57" E	
Nyambiremba (see Nyamirembe)		2° 32' 00" S 31° 42' 00" E	1149 m
Nyambiza Village		6° 12' 00" S 39° 20' 00" E	30 m
Nyamboge		2° 33' 00" S 32° 04' 00" E	1135 m
Nyamirembe (see also: Namirembe, Nyambiremba, Nyamirembe Port)		2° 32' 00" S 31° 42' 00" E	1149 m
Nyamirembe Port (see Nyamirembe)		2° 32' 00" S 31° 42' 00" E	1149 m
Nyamuhoro valley, Namakutwa forest reserve, Matumbi Hills			
Nyanga		4° 11' 23" S 30° 06' 19" E	1230 m
Nyegezi		2° 31' 27" S 32° 53' 25" E	
Nyumbanitu Forest (see also: Nyumbanitu Forest Reserve)		7° 50' 38" S 36° 22' 18" E	
Nyumbanitu Forest Reserve (see Nyumbanitu Forest)		7° 50' 38" S 36° 22' 18" E	
Ol Donyo Sambu [hill] (see Oldonyo Sambu [hill]), 30 km north Arusha		3° 10' 00" S 36° 39' 00" E	1829 m
Old Langenburg (see Lumbira)		9° 34' 00" S 34° 08' 00" E	476 m
Old Mikindani (see Mikindani)		10° 17' 00" S 40° 07' 00" E	17 m
Oldonyo Sambu [hill], 30 km north Arusha (see also: Ol Donyo Sambu [hill], Sambu, Oldonyo [hill])		3° 10' 00" S 36° 39' 00" E	1829 m
Ole		5° 11' 00" S 39° 49' 00" E	1 m
Oyster Bay		6° 47' 00" S 39° 17' 00" E	0 m
Pangani Falls (see also: Great Pangani Falls)		5° 21' 00" S 38° 39' 00" E	
Pangani river		5° 26' 00" S 38° 58' 00" E	
Pangani, 30 km SW (see Genda Genda South Forest Reserve)		5° 34' 00" S 38° 38' 00" E	
Pange Juu cave		6° 16' 48" S 39° 27' 05" E	15 m
Pashuni cave		5° 52' 40" S 39° 18' 41" E	55 m
Peete village (see Pete village)		6° 17' 00" S 39° 25' 00" E	
Pemba			
Pemba island (see also: El Huthera island)		5° 10' 00" S 39° 48' 00" E	
Pemba North Region		5° 05' 00" S 39° 48' 00" E	
Pemba North region (see also: Kaskazini-Pemba region |PC:PN|)			
Pemba South region (see also: Kusini-Pemba region |PC:PS|)			
Pete village (see also: Peete village)		6° 17' 00" S 39° 25' 00" E	
Phillipstrof			
Poroto mountains		9° 00' 00" S 33° 45' 00" E	
Pugu Forest Reserve		6° 53' 00" S 39° 05' 00" E	
Pugu hills		6° 53' 00" S 39° 05' 00" E	152 m
Pujini village (see also: Mwanamakuku cave)		5° 18' 00" S 39° 48' 00" E	1 m
Pwani region			
Ras Kisimani, near	ca.	7° 56' 40" S 39° 35' 26" E	
Rohero Mine, 4 mi [=6.4 km] NNW Banagi (see also: Banagi, 4 mi [=6.4 km] NNW)	ca.	2° 16' 00" S 34° 51' 00" E	
Rohogo mine		2° 20' 00" S 34° 50' 00" E	
Rondo Flat [forest] (see Rondo Forest Reserve), 50-60 km W Lindi		10° 09' 00" S 39° 15' 00" E	ca. 473 m
Rondo Forest Reserve, 50-60 km W Lindi (see also: Lindi, 50-60 km W, Rondo Flat [forest])		10° 09' 00" S 39° 15' 00" E	ca. 473 m
Ruaha National Park		7° 30' 00" S 35° 00' 00" E	
Ruanda farm		10° 33' 00" S 34° 57' 00" E	
Ruangwa		10° 04' 00" S 38° 56' 00" E	363 m
Rubeho mountains		6° 55' 00" S 36° 30' 00" E	

Rubondo [island]		2° 20' 00" S 31° 50' 00" E	350 m
(see also: Ruwondo [island])			
Rufiji district		8° 00' 00" S 38° 40' 00" E	
Rukwa region			
Rukwa (Game Reserve)		7° 10' 00" S 32° 00' 00" E	
Rukwa See (see Rukwa, lake), Konongo		8° 00' 00" S 32° 25' 00" E	
Rukwa, lake, Konongo		8° 00' 00" S 32° 25' 00" E	
(see also: Lake Rukwa, Rukwa See)			
Rumbira (see Lumbira)		9° 34' 00" S 34° 08' 00" E	476 m
Rungwa		7° 21' 00" S 31° 40' 00" E	914 m
Rungwa mountains		9° 08' 00" S 33° 40' 00" E	
Rungwe district		9° 15' 00" S 33° 40' 00" E	5000 ft
Rungwe Mountains, Mwatesi Stream		9° 08' 00" S 33° 40' 00" E	2015 m
Rutengani [Mission] (see Rutenganio [Mission])		9° 21' 00" S 33° 37' 00" E	
Rutenganio [Mission]		9° 21' 00" S 33° 37' 00" E	
(see also: Rutengani [Mission])			
Ruvu Forest Reserve		7° 00' 28" S 37° 51' 56" E	
Ruvu South Forest Reserve		6° 56' 44" S 38° 54' 59" E	
Ruvuma region			
Ruwondo [island] (see Rubondo [island])		2° 20' 00" S 31° 50' 00" E	350 m
Sagaya		2° 30' 00" S 33° 00' 00" E	
Sam Deli		4° 00' 00" S 37° 30' 00" E	
Samanga (see Somanga)		8° 24' 00" S 39° 17' 00" E	3 m
Sambu, Oldonyo [hill] (see Oldonyo Sambu [hill]), 30 km north Arusha		3° 10' 00" S 36° 39' 00" E	1829 m
Same		4° 04' 00" S 37° 44' 00" E	897 m
(see also: Ssame)			
Sandawe (see Usandawe)		5° 15' 00" S 35° 20' 00" E	1200 m
Saranda		5° 43' 00" S 34° 59' 00" E	1074 m
(see also: Savanda)			
Savanda (see Saranda)		5° 43' 00" S 34° 59' 00" E	1074 m
Segoma Forest Reserve		4° 58' 00" S 38° 45' 00" E	
Semdoe Forest Reserve, Muheza district		4° 56' 05" S 38° 42' 32" E	
Senegerma		2° 40' 00" S 32° 39' 00" E	1276 m
Serengeti National Park		2° 20' 00" S 34° 50' 00" E	
(see also: Serengeti Research Institute)			
Serengeti Research Institute (see Serengeti National Park)		2° 20' 00" S 34° 50' 00" E	
Seronera, Serengeti		2° 25' 00" S 34° 50' 00" E	1463 m
Shakani, Zanzibar		6° 14' 00" S 39° 14' 00" E	7 m
Shinyanga region			
Shume, near	ca.	4° 42' 00" S 38° 13' 00" E	
Siga caves (see Amboni caves), 3 mi N Tanga		5° 04' 00" S 39° 03' 00" E	
Sigi river		5° 03' 00" S 39° 04' 00" E	
Simiyu river, Serengeti plains		2° 33' 00" S 33° 25' 00" E	
Singida region			
Soga		6° 50' 00" S 38° 52' 00" E	151 m
Somanga		8° 24' 00" S 39° 17' 00" E	3 m
(see also: Samanga)			
Songea		10° 41' 00" S 35° 39' 00" E	1182 m
(see also: Ssongea)			
Songea district		10° 40' 00" S 36° 00' 00" E	
Songo Songo Island		8° 31' 00" S 39° 29' 00" E	
(see also: Songogongo Island)			
Songogongo Island (see Songo Songo Island)		8° 31' 00" S 39° 29' 00" E	
Songomano, Kilwa	ca.	9° 00' 00" S 39° 30' 00" E	
Songwe Bat Cave, ca. 40 km W Mbeya		9° 42' 00" S 33° 56' 00" E	
(see also: Mbeya, ca. 40 km W, Songwe River, Songwe-Fluss, Ssongwe Bat Cave)			
Songwe caves		8° 30' 00" S 33° 48' 00" E	
Songwe River (see Songwe Bat Cave), ca. 40 km W Mbeya		9° 42' 00" S 33° 56' 00" E	
Songwe Valley (see Tegemo farm), 13 km W Mbalizi	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
Songwe-Fluss (see Songwe Bat Cave), ca. 40 km W Mbeya		9° 42' 00" S 33° 56' 00" E	
South Pare Mountains (see Chome Forest Reserve), 3 km E, 0.7 km N Mhero		4° 18' 00" S 37° 58' 00" E	2000 m
SouthPC:LI|)			
Ssame (see Same)		4° 04' 00" S 37° 44' 00" E	897 m
Ssongea (see Songea)		10° 41' 00" S 35° 39' 00" E	1182 m
Ssongwe Bat Cave (see Songwe Bat Cave), ca. 40 km W Mbeya		9° 42' 00" S 33° 56' 00" E	
St. Andrews College (Minaki) (see Minaki, St. Andrews College)		6° 54' 01" S 39° 05' 32" E	
Suma		9° 12' 00" S 33° 43' 00" E	1452 m
Sumbawango, 70 km S (see Tatanda)		8° 31' 00" S 31° 30' 00" E	1907 m

Suna (see Issuna)		5° 23' 00" S 34° 46' 00" E	1423 m
Tabora		1° 43' 00" S 34° 46' 00" E	
Tabora		5° 01' 00" S 32° 48' 00" E	1212 m
Tabora region			
Tabora, 35 mi [=56 km] S (see Mwanasomano's)	ca.	5° 25' 19" S 32° 42' 42" E	
Tambi, Tambi			
Tanangire National Park			
Tanangire National Park (see Tarangire National Park)		4° 00' 00" S 36° 00' 00" E	
Tandamanga, Liwale		9° 39' 00" S 37° 51' 00" E	
Tanga		5° 04' 00" S 39° 06' 00" E	0 m
(see also: Longa)			
Tanga district			
Tanga region			
Tanga, 2.5 km W (see Mkulumuzi River Gorge)		5° 04' 00" S 39° 03' 00" E	36 m
Tanga, 3 mi [=4.8 km] N (see Ambani caves)		5° 07' 30" S 38° 37' 30" E	
Tanga, hole/cave near	ca.	5° 04' 00" S 39° 06' 00" E	
Tanga, near	ca.	5° 04' 00" S 39° 06' 00" E	
Tanganyika			
Tanganyika, lake, Great Rift Valley			
Tanzania			
Tanzania National Park			
Tarangire Game Reserve (see Tarangire National Park)		4° 00' 00" S 36° 00' 00" E	
Tarangire National Park		3° 47' 42" S 36° 03' 49" E	
Tarangire National Park		4° 00' 00" S 36° 00' 00" E	
(see also: Tanangire National Park, Tarangire Game Reserve)			
Tatanda, 70 km S Sumbawango		8° 31' 00" S 31° 30' 00" E	1907 m
(see also: Sumbawango, 70 km S)			
Tegemo farm, 13 km W Mbalizi	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
(see also: Mbalizi, 13 km W, Songwe Valley)			
Tegetero, 3 km W, 1.3 km N (see Uluguru North Forest Reserve)		6° 55' 00" S 37° 42' 00" E	
Tendaguro		9° 45' 00" S 39° 20' 00" E	
(see also: Tendaguru, Tendoguru)			
Tendaguru (see Tendaguro)		9° 45' 00" S 39° 20' 00" E	375 m
Tendoguru (see Tendaguro), Likwaje [=Likwaya]		9° 49' 00" S 39° 34' 00" E	
Tengeru		3° 23' 00" S 36° 50' 00" E	1250 m
(see also: Tenguru)			
Tenguru (see Tengeru)		3° 23' 00" S 36° 50' 00" E	
Tindiga, Kilosa		6° 55' 00" S 37° 20' 00" E	
Tong'omba Forest Reserve, Matumbi Massif		8° 25' 00" S 39° 01' 00" E	
Tongwe Forest Reserve (see Muheza Forest)		5° 18' 20" S 38° 43' 44" E	
Trina	ca.	1° 30' 00" S 33° 48' 00" E	
Tschole-Schamba (see Mafia island)		7° 51' 14" S 39° 46' 49" E	
Tshole-Shamba (see Mafia island)		7° 51' 14" S 39° 46' 49" E	
Tumbatu Island, Zanzibar		5° 49' 00" S 39° 13' 00" E	
(see also: Tumpatu Island)			
Tumpatu Island (see Tumbatu Island), Zanzibar		5° 49' 00" S 39° 13' 00" E	
Tundau (see Tundaua)		5° 15' 00" S 39° 42' 00" E	0 m
Tundaua		5° 15' 00" S 39° 42' 00" E	0 m
(see also: Tundau)			
Turiani		6° 09' 00" S 37° 36' 00" E	458 m
Udidji (see Ujiji)		4° 54' 20" S 29° 40' 34" E	781 m
Udzungwa mountains			
Udzungwa National Park (see Udzungwa Scarp forest reserve), 3 km N Chita		8° 31' 00" S 35° 56' 00" E	
Udzungwa Scarp forest reserve, 3 km N Chita		8° 31' 00" S 35° 56' 00" E	
(see also: Chita, 3 km N, Udzungwa National Park)			
Ufira district			
Ugala River		5° 08' 00" S 30° 42' 00" E	
Ugano		11° 06' 00" S 34° 55' 00" E	
Ugano plantation, SE Mbinga, Mantengo Highlands		11° 06' 00" S 34° 55' 00" E	1560 m
Ugoi (see Ujiji)		4° 54' 20" S 29° 40' 34" E	781 m
Uhafiwa Luhega Forest, Uhafiwa, near		8° 30' 00" S 35° 51' 00" E	1400 m
Ujiji		4° 54' 20" S 29° 40' 34" E	781 m
(see also: Udidji, Ugoi, Ujyi)			
Ujyi (see Ujiji)		4° 54' 20" S 29° 40' 34" E	781 m
Ukambesi			
Ukami Forest (see Ukami Forest Reserve)		7° 53' 20" S 36° 23' 12" E	338 m
Ukami Forest Reserve		7° 53' 20" S 36° 23' 12" E	338 m
(see also: Ukami Forest)			
Ukami Mountains			
Ukara island, Lake Victoria		1° 50' 00" S 33° 03' 00" E	
Ukerewe (see Victoria, lake)		1° 00' 00" S 33° 00' 00" E	
Ukerewe island, Lake Victoria		2° 03' 00" S 33° 00' 00" E	

Ulanga		7° 18' 00" S 36° 56' 00" E	663 m
Ulanga district		9° 00' 00" S 36° 40' 00" E	
(see also: Mahenge district)			
Uluguru mountains		7° 10' 00" S 37° 40' 00" E	
Uluguru North Forest Reserve, 3 km W, 1.3 km N Tegetero		6° 55' 00" S 37° 42' 00" E	1345 m
(see also: Tegetero, 3 km W, 1.3 km N)			
Umbulu (see Mbulu)		3° 51' 00" S 35° 32' 00" E	1772 m
Unguja island (see Zanzibar)		6° 10' 00" S 39° 20' 00" E	
University of Dar es Salaam (see Dar es Salaam)		6° 48' 00" S 39° 17' 00" E	
Unyaganyi (see Unyang'anyi)		4° 50' 00" S 35° 00' 00" E	1372 m
Unyang'anyi		4° 50' 00" S 35° 00' 00" E	1372 m
(see also: Unyaganyi, Unyanganyi)			
Unyanganyi (see Unyang'anyi)		4° 50' 00" S 35° 00' 00" E	1372 m
Urambo		5° 04' 00" S 32° 03' 00" E	1108 m
Usa		3° 22' 00" S 36° 51' 00" E	1166 m
(see also: Usa River)			
Usa River (see Usa)		3° 22' 00" S 36° 51' 00" E	1166 m
Usagara		5° 05' 00" S 39° 07' 00" E	0 m
(see also: Ussagara)			
Usambara mountains		4° 45' 00" S 38° 30' 00" E	
Usandawe		5° 15' 00" S 35° 20' 00" E	1200 m
(see also: Sandawe)			
Usangi, North Pare Mountains		3° 42' 00" S 37° 40' 00" E	1355 m
Ussagara (see Usagara)		5° 05' 00" S 39° 07' 00" E	0 m
Ussuwi (see Biharamulo)		2° 37' 55" S 31° 18' 32" E	1495 m
Usuwi (see Biharamulo)		2° 37' 55" S 31° 18' 32" E	1495 m
Utende, Mafia Marine Park H.Q.		7° 58' 28" S 39° 43' 56" E	
Utengule		8° 57' 00" S 35° 50' 00" E	308 m
(see also: Utenguli)			
Utenguli (see Utengule)		8° 57' 00" S 35° 50' 00" E	308 m
Utete		7° 59' 00" S 38° 47' 00" E	31 m
Uto farm, Arusha-Longido road		3° 12' 00" S 36° 42' 00" E	
Victoria Nyanza (see Victoria, lake)		1° 00' 00" S 33° 00' 00" E	
Victoria, lake		1° 00' 00" S 33° 00' 00" E	
(see also: Lake Victoria, Nam Lolwe, Ukerewe, Victoria Nyanza)			
Vikindo [forest], Usaramo		6° 59' 00" S 39° 17' 00" E	120 m
Wembere river		4° 10' 00" S 34° 11' 00" E	
Weru Weru River	ca.	3° 24' 00" S 37° 18' 00" E	
West Kilombero Scarp Forest Reserve		7° 55' 00" S 36° 30' 00" E	
(see also: Ndundulu Forest)			
West Kilombero Scarp Forest Reserve		7° 49' 00" S 36° 35' 20" E	
WestPC:KG|)			
West Usambara mountains			
Wete		5° 04' 00" S 39° 43' 00" E	0 m
(see also: Wetu)			
Wetu (see Wete)		5° 04' 00" S 39° 43' 00" E	0 m
Wipanga, 0.5 km N, 4 km E (see Mbizi Forest Reserve)		7° 52' 00" S 31° 40' 00" E	2200 m
Wiru (see Bwiru)		2° 28' 16" S 32° 53' 13" E	
Zanari		1° 31' 00" S 33° 48' 00" E	1134 m
Zanguébar (see Zanzibar)		6° 10' 00" S 39° 20' 00" E	
Zanzibar		6° 10' 00" S 39° 20' 00" E	
(see also: Unguja island, Zanguébar)			
Zanzibar North region			
(see also: Kaskazini-Unguja region |PC:ZN|)			
Zanzibar South and Central region			
(see also: Kusini-Unguja region |PC:ZS|)			
Zanzibar Town		6° 09' 57" S 39° 11' 39" E	
Zanzibar Town, 36 mi [=58 km] S		6° 25' 00" S 39° 30' 00" E	
Zanzibar West region			
(see also: Mjini-Magharibi region |PC:ZW|)			
Zanzibar, W coase	ca.	6° 09' 57" S 39° 11' 39" E	
Zaraninge-Kiano forest reserve (see Kiono-Zaraninge Forest Reserve), SW Sadani	ca.	6° 08' 00" S 38° 36' 00" E	
Zinga, Kilwa		6° 31' 00" S 38° 59' 00" E	24 m

The Gambia:

Abuko Nature Reserve		13° 23' 29" N 16° 39' 09" W	
Banjul		13° 27' 11" N 16° 34' 39" W	0 m
(see also: Bathurst)			
Banjul region			
Banjul, 8 mi [=13 km] W	ca.	13° 28' 00" N 16° 39' 00" W	
Basse (see Basse Santa Su)		13° 19' 00" N 14° 13' 00" W	0 m

Basse Santa Su		13° 19' 00" N 14° 13' 00" W	0 m
(see also: Basse)			
Bathurst (see Banjul)		13° 27' 11" N 16° 34' 39" W	0 m
Bathurst, 8 mi [=13 km] W	ca.	13° 28' 00" N 16° 39' 00" W	
Brekana (see Brikama Ba)		13° 32' 00" N 14° 56' 00" W	27 m
Brikama (see Brikama Ba)		13° 32' 00" N 14° 56' 00" W	27 m
Brikama Ba		13° 32' 00" N 14° 56' 00" W	27 m
(see also: Brekana, Brikama, Brikama Bar)			
Brikama Bar (see Brikama Ba)		13° 32' 00" N 14° 56' 00" W	27 m
Central River region			
(see also: MacCarthy Island region |PC:MC|)			
Gambia river, lower		13° 28' 00" N 16° 34' 00" W	
Georgetown (see Janjanbureh), MacCarthy Island		13° 32' 00" N 14° 46' 00" W	4 m
Jafini, near (see Jappeni, near)	ca.	13° 25' 00" N 15° 25' 00" W	
Jambour (see Jambur)		13° 18' 56" N 16° 42' 06" W	
Jambur		13° 18' 56" N 16° 42' 06" W	
(see also: Jambour, Yambur)			
Jambur, near	ca.	13° 18' 56" N 16° 42' 07" W	
Jangjangbureh (see Janjanbureh), MacCarthy Island		13° 32' 00" N 14° 46' 00" W	4 m
Janjanbureh, MacCarthy Island		13° 32' 00" N 14° 46' 00" W	4 m
(see also: Georgetown, Jangjangbureh, Old Fort George)			
Jappeni, near	ca.	13° 25' 00" N 15° 25' 00" W	
(see also: Jafini, near)			
Jiboroh (see Jiboroh Kuta)		13° 11' 18" N 16° 34' 25" W	38 m
Jiboroh Kuta		13° 11' 18" N 16° 34' 25" W	38 m
(see also: Jiboroh)			
Jiroff, near	ca.	13° 25' 00" N 15° 42' 00" W	
Keneba		13° 19' 44" N 16° 00' 54" W	32 m
(see also: Kenniba)			
Kenniba (see Keneba)		13° 19' 44" N 16° 00' 54" W	32 m
Kontaur (see Kuntaur)		13° 40' 00" N 14° 53' 00" W	0 m
Kudang		13° 40' 00" N 15° 04' 00" W	13 m
Kuntaur		13° 40' 00" N 14° 53' 00" W	0 m
(see also: Kontaur)			
Kuntaur, 10 mi [=16 km] SE		13° 37' 00" N 14° 54' 00" W	
(see also: Kuntaur, 10 mi SE)			
Kuntaur, 10 mi SE (see Kuntaur, 10 mi [=16 km] SE)		13° 37' 00" N 14° 54' 00" W	
Kuntaur, 2 mi [=3.2 km] N (see Makka)		13° 42' 00" N 14° 53' 00" W	11 m
Kuntaur, 5 mi [=8 km] N		13° 37' 00" N 14° 54' 00" W	
Lamin		13° 23' 13" N 16° 38' 41" W	36 m
Lamin Bridge		13° 23' 35" N 16° 37' 30" W	
Lower River region			
MacCaPC:MC|)			
Madianna, Brufut, near		13° 21' 12" N 16° 45' 47" W	6 m
(see also: Madianna)			
Madianna (see Madianna), Brufut, near		13° 21' 12" N 16° 45' 47" W	6 m
Madiyana Camp, Niumi National Park		13° 33' 57" N 16° 31' 54" W	
Maka (see Makka)		13° 42' 00" N 14° 53' 00" W	11 m
Makka, 2 mi N Kuntaur		13° 42' 00" N 14° 53' 00" W	11 m
(see also: Kuntaur, 2 mi [=3.2 km] N, Maka)			
North Bank region			
Old Fort George (see Janjanbureh), MacCarthy Island		13° 32' 00" N 14° 46' 00" W	4 m
Solifor Point, 500 m S	ca.	13° 20' 30" N 16° 48' 59" W	
Tanji and Brufut, between	ca.	13° 22' 00" N 16° 47' 00" W	
Tanji River Bird Reserve, Bald Cape, near		13° 22' 20" N 16° 47' 07" W	
The Gambia			
(see also: Gambia, The)			
Toniataba		13° 26' 00" N 15° 35' 00" W	21 m
(see also: Tonitaba)			
Tonitaba (see Toniataba)		13° 26' 00" N 15° 35' 00" W	21 m
Upper River region			
Walikunda (see Walli Kunda)		13° 34' 00" N 14° 55' 00" W	8 m
Walli Kunda		13° 34' 00" N 14° 55' 00" W	8 m
(see also: Walikunda)			
Walli Kunda, near		13° 34' 00" N 14° 55' 00" W	
West Coast region			
(see also: Western region |PC:WE|)			
WestePC:WE|)			
Yambur (see Jambur)		13° 18' 56" N 16° 42' 06" W	

Togo:

Adéle	8° 11' 00" N 0° 41' 00" E	
(see also: Bismarckbourg, Bismarckburg, Station Bismarckburg)		
Adina (see Adiva), 15 km W Atakpamé	7° 31' 00" N 1° 01' 00" E	252 m
Adiva, 15 km W of Atakpamé	7° 31' 00" N 1° 01' 00" E	252 m
(see also: Adina, Atakpamé, 15 km W)		
Adjido	7° 30' 00" N 1° 11' 00" E	186 m
Agadji	7° 27' 00" N 0° 54' 00" E	348 m
Agame-Koutoukapa (see Agomé Koutoukpa)	7° 31' 00" N 0° 59' 00" E	458 m
Agbedrafo	6° 12' 05" N 1° 28' 44" E	65 m
Agbodrafo	6° 12' 05" N 1° 28' 44" E	65 m
Agbodrafo Porto-Séguro	6° 12' 05" N 1° 28' 44" E	65 m
Agomé Koutoukpa	7° 31' 00" N 0° 59' 00" E	458 m
(see also: Agame-Koutoukapa, Agomé-Kotukpa, Koutoukpa)		
Agomé-Kotukpa (see Agomé Koutoukpa)	7° 31' 00" N 0° 59' 00" E	458 m
Agomé-Palimé (see Kpalimé)	7° 05' 00" N 0° 45' 00" E	
Agou (see Agou Gadzépé)	6° 53' 00" N 0° 44' 00" E	488 m
Agou Gadzépé	6° 53' 00" N 0° 44' 00" E	488 m
(see also: Agou, Agou-Nyongbo)		
Agou-Nyongbo (see Agou Gadzépé)	6° 53' 00" N 0° 44' 00" E	488 m
Ahoué-houé (see Badou - Anonoe)	7° 35' 00" N 0° 36' 00" E	
Akenim	10° 25' 00" N 0° 15' 00" E	
Akposso	7° 34' 00" N 0° 59' 00" E	
Aledjo (see Alédjo Kadara)	9° 15' 00" N 1° 12' 00" E	612 m
Alédjo Kadara	9° 15' 00" N 1° 12' 00" E	612 m
(see also: Aledjo)		
Amousso Kopé (see Amoussokopé)	6° 40' 00" N 0° 51' 00" E	
Amoussokopé	6° 40' 00" N 0° 51' 00" E	
(see also: Amousso Kopé, Amouzoukopé)		
Amouzoukopé (see Amoussokopé)	6° 40' 00" N 0° 51' 00" E	
Anécho (see Aného)	6° 14' 00" N 1° 36' 00" E	63 m
Anécho, cercle de (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Anécho, prefecture (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Aného	6° 14' 00" N 1° 36' 00" E	63 m
(see also: Anécho, Anekho, Anerho, Klein-Popo, Little Popo, Petit Popo)		
Aného prefecture (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Aného, circonscription de (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Anekho (see Aného)	6° 14' 00" N 1° 36' 00" E	63 m
Anerho (see Aného)	6° 14' 00" N 1° 36' 00" E	63 m
Apéyémé	7° 12' 00" N 0° 42' 00" E	768 m
Atakpamé	7° 32' 00" N 1° 08' 00" E	376 m
Atakpamé, 15 km W (see Adiva)	7° 31' 00" N 1° 01' 00" E	252 m
Azafi	7° 34' 00" N 1° 02' 00" E	253 m
Badou - Anonoe	7° 35' 00" N 0° 36' 00" E	
(see also: Ahoué-houé)		
Banjeri (see Oti (River))	7° 48' 00" N 0° 08' 00" E	
Baoulé	10° 16' 00" N 0° 35' 00" E	149 m
Bassar prefecture (see Préfecture de Bassar)	9° 15' 00" N 0° 45' 00" E	
Bassar, circonscription de (see Préfecture de Bassar)	9° 15' 00" N 0° 45' 00" E	
Bassari, cercle de (see Préfecture de Bassar)	9° 15' 00" N 0° 45' 00" E	
Bassari, circonscription de (see Préfecture de Bassar)	9° 15' 00" N 0° 45' 00" E	
Bergou (see Borgou)	10° 45' 49" N 0° 34' 37" E	147 m
Binaparba	9° 14' 00" N 0° 46' 00" E	456 m
Bismarckbourg (see Adéle)	8° 11' 00" N 0° 41' 00" E	
Bismarckburg (see Adéle)	8° 11' 00" N 0° 41' 00" E	
Borgou	10° 45' 49" N 0° 34' 37" E	147 m
(see also: Bergou, Borgu)		
Borgu (see Borgou)	10° 45' 49" N 0° 34' 37" E	147 m
Centrale region		
Cercle d'Anécho (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Cercle de Bassari (see Préfecture de Bassar)	9° 15' 00" N 0° 45' 00" E	
Cercle de Dapango (see Préfecture de Tone)	10° 55' 00" N 0° 10' 00" E	
Circonscription d'Aného (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Circonscription de Bassar (see Préfecture de Bassar)	9° 15' 00" N 0° 45' 00" E	
Circonscription de Bassari (see Préfecture de Bassar)	9° 15' 00" N 0° 45' 00" E	
Circonscription de Dapango (see Préfecture de Tone)	10° 55' 00" N 0° 10' 00" E	
(see also: Tone prefecture)		
Circonscription de Dapaong (see Préfecture de Tone)	10° 55' 00" N 0° 10' 00" E	
Circonscription de Katcha (see Préfecture de Bassar)	9° 15' 00" N 0° 45' 00" E	
Circonscription de Klouto (see Préfecture de Kloto)	7° 05' 00" N 0° 45' 00" E	

Circonscription de Niamtougou (see Préfecture de Doufelgou)		9° 50' 00" N 1° 05' 00" E	
Circonscription de Notsé (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Circonscription de Nuatja (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Dadome (see Dédomé)		7° 30' 00" N 0° 59' 00" E	265 m
Dapango (see Dapaong)		10° 51' 50" N 0° 12' 18" E	306 m
Dapango, cercle de (see Préfecture de Tone)		10° 55' 00" N 0° 10' 00" E	
Dapango, circonscription de (see Préfecture de Tone)		10° 55' 00" N 0° 10' 00" E	
Dapaong (see also: Dapango, Dapong)		10° 51' 50" N 0° 12' 18" E	306 m
Dapaong, circonscription de (see Préfecture de Tone)		10° 55' 00" N 0° 10' 00" E	
Dapong (see Dapaong)		10° 51' 50" N 0° 12' 18" E	306 m
Dédomé (see also: Dadome)		7° 30' 00" N 0° 59' 00" E	265 m
Doufelgou prefecture (see Préfecture de Doufelgou)		9° 50' 00" N 1° 05' 00" E	
Dzogbégan		7° 14' 00" N 0° 41' 00" E	698 m
Ebéva (see also: Ebewa)		7° 31' 00" N 1° 05' 00" E	212 m
Ebewa (see Ebéva)		7° 31' 00" N 1° 05' 00" E	212 m
Edifou		7° 29' 00" N 0° 58' 00" E	231 m
Esimé (see Ezimé)		7° 29' 00" N 0° 56' 00" E	344 m
Evou - Akodegbe		7° 33' 00" N 1° 02' 00" E	
Evou (see Vou)		7° 32' 00" N 1° 02' 00" E	224 m
Evou or Atakpamé	ca.	7° 18' 00" N 1° 00' 00" E	
Ewou (see Vou)		7° 32' 00" N 1° 02' 00" E	224 m
Ezimé (see also: Esimé, Isídje)		7° 29' 00" N 0° 56' 00" E	344 m
Fasao (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Fasaou (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Fasau (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Fasuu (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Fazao (see also: Fasao, Fasaou, Fasau, Fasuu, Fazaou, Fisao)		8° 42' 00" N 0° 47' 00" E	593 m
Fazaou (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Fisao (see Fazao)		8° 42' 00" N 0° 47' 00" E	593 m
Gbatope		6° 26' 00" N 1° 17' 00" E	
Haho prefecture (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Haubinda			
Hausberg (see Kloto)		6° 57' 00" N 0° 34' 00" E	603 m
Ihounabe		7° 21' 00" N 0° 55' 00" E	
Ilé (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Isídje (see Ezimé)		7° 29' 00" N 0° 56' 00" E	344 m
Kadjamba (see Katchamba)		9° 53' 15" N 0° 31' 33" E	151 m
Kadjambe (see Katchamba)		9° 53' 15" N 0° 31' 33" E	151 m
Kadyamba (see Katchamba)		9° 53' 15" N 0° 31' 33" E	151 m
Kajamba (see Katchamba)		9° 53' 15" N 0° 31' 33" E	151 m
Kamina		7° 31' 00" N 1° 10' 00" E	206 m
Kara region			
Katcha, circonscription de (see Préfecture de Bassar)		9° 15' 00" N 0° 45' 00" E	
Katchamba (see also: Kadjamba, Kadjambe, Kadyamba, Kajamba, Katchammba)		9° 53' 15" N 0° 31' 33" E	151 m
Katchammba (see Katchamba)		9° 53' 15" N 0° 31' 33" E	151 m
Klein-Popo (see Aného)		6° 14' 00" N 1° 36' 00" E	63 m
Kloto (see also: Hausberg, Klouto, Kluto)		6° 57' 00" N 0° 34' 00" E	603 m
Kloto prefecture (see Préfecture de Kloto)		7° 05' 00" N 0° 45' 00" E	
Klouto (see Kloto)		6° 57' 00" N 0° 34' 00" E	603 m
Klouto, circonscription de (see Préfecture de Kloto)		7° 05' 00" N 0° 45' 00" E	
Kluto (see Kloto)		6° 57' 00" N 0° 34' 00" E	603 m
Kodegbe		7° 31' 00" N 1° 03' 00" E	
Kolokopé (see also: Korrekope)		7° 48' 00" N 1° 18' 00" E	147 m
Korrekope (see Kolokopé)		7° 48' 00" N 1° 18' 00" E	147 m
Kouda Topki		6° 37' 48" N 0° 51' 36" E	
Koutoukpa (see Agomé Koutoukpa)		7° 31' 00" N 0° 59' 00" E	458 m
Kpalimé (see also: Agomé-Palimé, Palimé)		7° 05' 00" N 0° 45' 00" E	
Kpogan (see also: Pogan)		6° 10' 22" N 1° 22' 57" E	66 m
Lacs prefecture (see Préfecture d'Aného)		6° 22' 00" N 1° 40' 00" E	
Le Oti (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Lemuale (see Oti (River))		7° 48' 00" N 0° 08' 00" E	
Little Popo (see Aného)		6° 14' 00" N 1° 36' 00" E	63 m

Lomé (see also: Lome)	6° 07' 55" N 1° 13' 22" E	63 m
Lome (see Lomé)	6° 07' 55" N 1° 13' 22" E	63 m
Lomnava	7° 31' 00" N 1° 08' 00" E	379 m
L'Oti (see Oti (River))	7° 48' 00" N 0° 08' 00" E	
Malfacassa (see Malfakassa)	9° 10' 00" N 0° 58' 00" E	
Malfakassa (see also: Malfacassa)	9° 10' 00" N 0° 58' 00" E	
Mango (see Sansanné-Mango)	10° 21' 33" N 0° 28' 15" E	134 m
Maol (see Oti (River))	7° 48' 00" N 0° 08' 00" E	
Maole (see Oti (River))	7° 48' 00" N 0° 08' 00" E	
Maritime region		
Misahoehe (see Missahohé)	6° 57' 00" N 0° 35' 00" E	473 m
Misahohe (see Missahohé)	6° 57' 00" N 0° 35' 00" E	473 m
Misahöhé (see Missahohé)	6° 57' 00" N 0° 35' 00" E	473 m
Missahohé (see also: Misahoehe, Misahohe, Misahöhé)	6° 57' 00" N 0° 35' 00" E	473 m
Moal (see Oti (River))	7° 48' 00" N 0° 08' 00" E	
Moale (see Oti (River))	7° 48' 00" N 0° 08' 00" E	
Mono-Atchinedji	7° 34' 00" N 1° 21' 00" E	
Morle (see Oti (River))	7° 48' 00" N 0° 08' 00" E	
Nammjoni (see Namoundjoga)	10° 53' 26" N 0° 23' 59" E	280 m
Namoudjogo (see Namoundjoga)	10° 53' 26" N 0° 23' 59" E	280 m
Namoundjoga (see also: Nammjoni, Namoudjogo, Namouyogo, Namunjogo)	10° 53' 26" N 0° 23' 59" E	280 m
Namouyogo (see Namoundjoga)	10° 53' 26" N 0° 23' 59" E	280 m
Namunjogo (see Namoundjoga)	10° 53' 26" N 0° 23' 59" E	280 m
Nanergou	10° 55' 00" N 0° 09' 00" E	303 m
Niamtougou (see also: Niamtuu, Njamtuu, Nyamtouhou)	9° 46' 06" N 1° 06' 19" E	378 m
Niamtougou, circonscription de (see Préfecture de Doufelgou)	9° 50' 00" N 1° 05' 00" E	
Niamtuu (see Niamtougou)	9° 46' 06" N 1° 06' 19" E	378 m
Njamtuu (see Niamtougou)	9° 46' 06" N 1° 06' 19" E	378 m
Notsé (see also: Nouatja, Nuatia, Nuatja, Nuatya)	6° 57' 00" N 1° 10' 00" E	146 m
Notsé, circonscription de (see Préfécture de Haho)	7° 05' 00" N 1° 15' 00" E	
Nouatja (see Notsé)	6° 57' 00" N 1° 10' 00" E	146 m
Nouatja (see Préfécture de Haho)	7° 05' 00" N 1° 15' 00" E	
Nsara (see Sansanné-Mango)	10° 21' 33" N 0° 28' 15" E	134 m
Nuatia (see Notsé)	6° 57' 00" N 1° 10' 00" E	146 m
Nuatja (see Notsé)	6° 57' 00" N 1° 10' 00" E	146 m
Nuatja subdivision (see Préfécture de Haho)	7° 05' 00" N 1° 15' 00" E	
Nuatja, circonscription de (see Préfécture de Haho)	7° 05' 00" N 1° 15' 00" E	
Nuatjo (see Préfécture de Haho)	7° 05' 00" N 1° 15' 00" E	
Nuatya (see Notsé)	6° 57' 00" N 1° 10' 00" E	146 m
Nyamtouhou (see Niamtougou)	9° 46' 06" N 1° 06' 19" E	378 m
N'Zara (see Sansanné-Mango)	10° 21' 33" N 0° 28' 15" E	134 m
Odjolo	7° 32' 00" N 1° 02' 00" E	
Oti (River) (see also: Banjeri, Ilé, Le Oti, Lemuale, L'Oti, Maol, Maole, Moal, Moale, Morle)	7° 48' 00" N 0° 08' 00" E	
Padori	10° 14' 00" N 0° 26' 00" E	126 m
Pagala (see also: Urenji)	8° 13' 00" N 0° 53' 00" E	368 m
Paio (see Payo)	10° 14' 00" N 0° 43' 00" E	146 m
Palimé (see Kpalimé)	7° 05' 00" N 0° 45' 00" E	
Papase		
Payo (see also: Paio, Péio)	10° 14' 00" N 0° 43' 00" E	146 m
Péio (see Payo)	10° 14' 00" N 0° 43' 00" E	146 m
Petit Popo (see Aného)	6° 14' 00" N 1° 36' 00" E	63 m
Péwa	9° 17' 00" N 1° 14' 00" E	618 m
Plateaux region		
Pogan (see Kpogan)	6° 10' 22" N 1° 22' 57" E	66 m
Porto-Segouro	6° 12' 05" N 1° 28' 44" E	65 m
Porto-Séguro	6° 12' 05" N 1° 28' 44" E	65 m
Préfecture d'Anécho (see Préfecture d'Aného)	6° 22' 00" N 1° 40' 00" E	
Préfecture d'Aného (see also: Anécho, cercle de, Anécho, prefecture, Aného prefecture, Aného, circonscription de, Cercle d'Anécho, Circonscription d'Aného, Lacs prefecture, Préfecture d'Anécho, Préfecture des Lacs)	6° 22' 00" N 1° 40' 00" E	

Préfecture de Bassar (see also: Bassar prefecture, Bassar, circonscription de , Bassari, cercle de , Bassari, circonscription de , Cercle de Bassari, Circonscription de Bassar, Circonscription de Bassari, Circonscription de Katcha, Katcha, circonscription de)		9° 15' 00" N 0° 45' 00" E	
Préfecture de Doufelgou (see also: Circonscription de Niamtougou, Doufelgou prefecture, Niamtougou, circonscription de)		9° 50' 00" N 1° 05' 00" E	
Préfécture de Haho (see also: Circonscription de Notsé, Circonscription de Nuatja, Haho prefecture, Notsé, circonscription de, Nouatja, Nuatja subdivision, Nuatja, circonscription de, Nuatjo, Subdivision de Nuatja)		7° 05' 00" N 1° 15' 00" E	
Préfecture de Kloto (see also: Circonscription de Klouto, Kloto prefecture, Klouto, circonscription de)		7° 05' 00" N 0° 45' 00" E	
Préfecture de Tone (see also: Cercle de Dapango, Circonscription de Dapango, Circonscription de Dapaong, Dapango, cercle de, Dapango, circonscription de, Dapaong, circonscription de)		10° 55' 00" N 0° 10' 00" E	
Préfecture des Lacs (see Préfecture d'Aného)		6° 22' 00" N 1° 40' 00" E	
Ruhiza (see also: Ruhizha)		1° 02' 42" S 29° 46' 57" E	8000 ft
Ruhizha (see Ruhiza)		1° 02' 42" S 29° 46' 57" E	8000 ft
Ruhizha area	ca.	1° 02' 42" S 29° 46' 57" E	
Sansane-Mangu (see Sansanné-Mango)		10° 21' 33" N 0° 28' 15" E	134 m
Sansanné-Mango (see also: Mango, Nsara, N'Zara, Sansane-Mangu)		10° 21' 33" N 0° 28' 15" E	134 m
Savanes region			
Station Bismarckburg (see Adéle)		8° 11' 00" N 0° 41' 00" E	
Subdivision de Nuatja (see Préfécture de Haho)		7° 05' 00" N 1° 15' 00" E	
Tchonou		7° 30' 00" N 1° 15' 00" E	152 m
Témédja		7° 31' 00" N 1° 03' 00" E	226 m
Tététou (see also: Tetetou)		7° 01' 00" N 1° 30' 00" E	105 m
Tetetou (see Tététou)		7° 01' 00" N 1° 30' 00" E	105 m
Togo			
Togo (see Togoville)		6° 13' 41" N 1° 28' 41" E	63 m
Togoville (see also: Togo)		6° 13' 41" N 1° 28' 41" E	63 m
Tomegbé		7° 31' 00" N 0° 36' 00" E	319 m
Tone prefecture (see Circonscription de Dapango)		10° 55' 00" N 0° 10' 00" E	
Urenji (see Pagala)		8° 13' 00" N 0° 53' 00" E	368 m
Vou (see also: Evou, Ewou)		7° 32' 00" N 1° 02' 00" E	224 m

Tunisia:

Abes (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Ad Duwayrat (see Douirat)		32° 52' 00" N 10° 17' 00" E	460 m
Ain Dhab, Jebel Serdj		35° 56' 12" N 9° 32' 59" E	
Aïn Draham (see Ayn ad Darahim)		36° 46' 38" N 8° 41' 33" E	982 m
Aïn Draham, 5 km NE (see Ayn ad Darahim, 5 km NE)		36° 48' 33" N 8° 43' 56" E	
Ain Jammalah Pepinier Forestière		36° 30' 03" N 9° 18' 42" E	
Aïne Draham (see Ayn ad Darahim)		36° 46' 38" N 8° 41' 33" E	982 m
Aïne Draham, 5 km NE (see Ayn ad Darahim, 5 km NE)		36° 48' 33" N 8° 43' 56" E	
Aïoun Ameur, near, 4 km S Redeyef (see also: Ameur, Aïoun, near, Amir, 'Uyun, near, Redeyef, 4 km S, Uyun 'Amir, near)	ca.	34° 19' 00" N 8° 09' 00" E	
Al ?ammah (see El Hamma), near Gabès		33° 54' 00" N 9° 48' 00" E	58 m
Al Huwariyah (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
Al Huwwariyah (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
Al Huwwariyah cave (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
Al Ma?ilah (see M'Dilla abandoned Phosphate mines)		34° 15' 00" N 8° 45' 00" E	387 m
Al-Dakha (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Ameur, Aïoun, near (see Aïoun Ameur, near), 4 km S Redeyef	ca.	34° 19' 00" N 8° 09' 00" E	
Amir, 'Uyun, near (see Aïoun Ameur, near), 4 km S Redeyef	ca.	34° 19' 00" N 8° 09' 00" E	

An Nafi?ah (see Enfida), Bou Ficha		36° 08' 07" N 10° 22' 51" E	12 m
Aquilaria (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
Ar Raw?iyah, 10 km NE (see Sbeitla, pool 40 km NW)		35° 43' 42" N 9° 07' 58" E	
Ar Rudayyif		34° 23' 00" N 8° 09' 00" E	574 m
(see also: Redevef, Redevel, Redeyef)			
Ariana governorate			
Ayn ad Darahim		36° 46' 38" N 8° 41' 33" E	982 m
(see also: Aïn Draham, Aïne Draham)			
Ayn ad Darahim, 5 km NE		36° 48' 33" N 8° 43' 56" E	
(see also: Aïn Draham, 5 km NE, Aïne Draham, 5 km NE)			
Bat cave, 4 km NE El Haouaria		37° 05' 00" N 11° 03' 00" E	
(see also: El Haouaria, 4 km NE, El Huaria cave, Grotte aux chauves-souris)			
Béja governorate			
Ben Arous governorate			
Ben Gardan (see Bir Qirdan)		33° 08' 00" N 11° 13' 00" E	8 m
Ben Gardane (see Bir Qirdan)		33° 08' 00" N 11° 13' 00" E	8 m
Ben-Gardán (see Bir Qirdan)		33° 08' 00" N 11° 13' 00" E	8 m
Bir Qirdan		33° 08' 00" N 11° 13' 00" E	8 m
(see also: Ben Gardan, Ben Gardane, Ben-Gardán)			
Bizerte governorate			
Bled Douarah, 43 km W Gafsa	ca.	34° 18' 00" N 8° 21' 00" E	
Bordj Chambi		35° 14' 03" N 8° 45' 29" E	630 m
(see also: Bordj de Chambi, Burj ash Sha‘nabi, Burj ash Sha'nabi,, Chambi, Le Chambi)			
Bordj de Chambi (see Bordj Chambi)		35° 14' 03" N 8° 45' 29" E	630 m
Bou Hedma National Park Headquarters	ca.	34° 29' 10" N 9° 32' 24" E	
Bulla Reggia (see Bulla Regia), 7 km NNW Jendouba		36° 33' 30" N 8° 44' 48" E	
Bulla Regia, 7 km NNW Jendouba		36° 33' 30" N 8° 44' 48" E	
(see also: Bulla Reggia, El Hammam , Hammam Derradji, Jendouba, 7 km NNW, Ruines de Bulla Régia, Souk el Arba, 7 km NNW)			
Burj ash Sha‘nabi (see Bordj Chambi)		35° 14' 03" N 8° 45' 29" E	630 m
Burj ash Sha'nabi, (see Bordj Chambi)		35° 14' 03" N 8° 45' 29" E	630 m
Cap Bon (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Cap Hermes des Grecs (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Cap Mercure des Latins (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Cape Bon		37° 05' 00" N 11° 02' 20" E	
(see also: Al-Dakha, Cap Bon, Cap Hermes des Grecs, Cap Mercure des Latins, El Haouaria, 4 km NE, Ra’s at Tib, Ra’s Maddar , Ras Addar, Rass Adder)			
Capsa (see Gafsa)		34° 25' 30" N 8° 47' 03" E	297 m
Cartago (see Carthage)		36° 51' 15" N 10° 19' 49" E	0 m
Carthage		36° 51' 15" N 10° 19' 49" E	0 m
(see also: Cartago, Qartajannah)			
Chambi (see Bordj Chambi)		35° 14' 03" N 8° 45' 29" E	630 m
Chemtou (see Shimtu), 17 km W Jendouba		36° 29' 00" N 8° 35' 00" E	158 m
Chemtou Ance (see Shimtu), 17 km W Jendouba		36° 29' 00" N 8° 35' 00" E	158 m
Damoos Saïd, Jebel Serdj		35° 56' 12" N 9° 32' 59" E	
Dar el Bey (see Enfida), Bou Ficha		36° 08' 07" N 10° 22' 51" E	12 m
Délégation de Teboursouk (see Taburbah, Mu'tamadiyat)		36° 55' 00" N 9° 45' 00" E	
Dgomous Reserve		34° 02' 55" N 8° 28' 34" E	
Djebel Achkel (see Jebel Ichkeul)		37° 07' 24" N 9° 39' 17" E	
Djebel Achkeul (see Jebel Ichkeul)		37° 07' 24" N 9° 39' 17" E	
Djebel Ank, mine (see Jabal al 'Unq, mine), 30 km SE Gafsa		34° 14' 02" N 9° 00' 54" E	
Djebel Besass, 28 km SE Tunis		36° 37' 28" N 10° 24' 06" E	
(see also: Djebel Rassas, mine, Tunis, 28 km SE)			
Djebel Chambi National Park			
Djebel el Ank, mine (see Jabal al 'Unq, mine), 30 km SE Gafsa		34° 14' 02" N 9° 00' 54" E	
Djebel el Oust (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala		35° 33' 37" N 8° 52' 59" E	
Djebel Glong (see Glong, Jebel)			
Djebel Gloub (see Jabal Qulub)		36° 39' 00" N 8° 34' 00" E	
Djebel Ichkeul (see Jebel Ichkeul)		37° 07' 24" N 9° 39' 17" E	
Djebel Ichkeul, 25 km SW (see Sidi Messaoud, mine tunnel near)		36° 57' 58" N 9° 27' 23" E	
Djebel Ischkeul (see Jebel Ichkeul)		37° 07' 24" N 9° 39' 17" E	
Djebel Ishkoel (see Jebel Ichkeul)		37° 07' 24" N 9° 39' 17" E	
Djebel Ouest (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala		35° 33' 37" N 8° 52' 59" E	

Djebel Oust (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala		35° 33' 37" N 8° 52' 59" E	
Djebel Rassas, mine (see Djebel Besass)		36° 37' 28" N 10° 24' 06" E	
Djebel Trozza mine, 50 km WSW Kairouan (see also: Kairouan, 50 km WSW)		35° 30' 07" N 9° 35' 29" E	
Djebel Zaghouan (4 km W Poste Optique)		36° 21' 00" N 10° 04' 20" E	
Djebel Zaghouan (cave at Poste Optique)		36° 21' 00" N 10° 07' 00" E	
Djebel Zaghouan (see Jabal Zaghwan)		36° 21' 02" N 10° 06' 42" E	
Djebel Zaghouane (see Jabal Zaghwan)		36° 21' 02" N 10° 06' 42" E	
Djebel Zarhouan (see Jabal Zaghwan)		36° 21' 02" N 10° 06' 42" E	
Djerba (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Djerba island (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Djerbeh (see Île de Jerba)		33° 48' 00" N 10° 54' 00" E	
Douirat (see also: Ad Duwayrat)		32° 52' 00" N 10° 17' 00" E	460 m
Douz, Nefzaoua (see also: Duz)		33° 27' 59" N 9° 01' 13" E	
Duz (see Douz), Nefzaoua		33° 27' 59" N 9° 01' 13" E	
El Aouaria (see El Aouaria) (see also: Al Huwariyah, Al Huwwariyah, Al Huwwariyah cave, Aquilaria, El Aouaria, El Awaria, El Haouaria, El Haouaria cave, El Houaria)		37° 03' 00" N 11° 01' 00" E	
El Awaria (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
El Feyja National Park Headquarters (see also: Feija National Park Headquarters)		36° 30' 02" N 8° 18' 41" E	
El Hamma (see also: Al ?ammah, El Hamma de Gabès, El Hamma de l'Arad, El Hammah)		33° 54' 00" N 9° 48' 00" E	58 m
El Hamma de Gabès (see El Hamma)		33° 54' 00" N 9° 48' 00" E	58 m
El Hamma de l'Arad (see El Hamma), near Gabès		33° 54' 00" N 9° 48' 00" E	58 m
El Hammah (see El Hamma), near Gabès		33° 54' 00" N 9° 48' 00" E	58 m
El Hammam (see Bulla Regia), 7 km NNW Jendouba		36° 33' 30" N 8° 44' 48" E	
El Haouaria (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
El Haouaria cave (see El Aouaria)		37° 03' 00" N 11° 01' 00" E	
El Haouaria, 1.5 km NE	ca.	37° 03' 37" N 11° 01' 22" E	
El Haouaria, 2 km N		37° 04' 08" N 11° 00' 39" E	
El Haouaria, 2 km NE		37° 03' 49" N 11° 01' 36" E	
El Haouaria, 4 km NE (see Bat cave)		37° 05' 00" N 11° 03' 00" E	
El Houaria (see El Aouaria), Cap Bon		37° 03' 00" N 11° 01' 00" E	
El Huaria cave (see Bat cave), 4 km NE El Haouaria		37° 05' 00" N 11° 03' 00" E	
El Ouidiane abandoned coal mine, ca 60 km E Tunis (see also: Tunis, ca 60 km E)		36° 48' 10" N 10° 51' 07" E	
Enfida, Bou Ficha (see also: An Nafi?ah, Dar el Bey, Enfidarille, Enfidaville, Envidaville)		36° 08' 07" N 10° 22' 51" E	12 m
Enfidarille (see Enfida), Bou Ficha		36° 08' 07" N 10° 22' 51" E	12 m
Enfidaville (see Enfida), Bou Ficha		36° 08' 07" N 10° 22' 51" E	12 m
Entouna mine, 23.5 km SE Tunis, on GP1, 2 km W of highway (see also: Tunis, 23.5 km SE)		36° 39' 11" N 10° 21' 57" E	
Envidaville (see Enfida), Bou Ficha		36° 08' 07" N 10° 22' 51" E	12 m
Feija National Park Headquarters (see El Feyja National Park Headquarters)		36° 30' 02" N 8° 18' 41" E	
Feriana (see also: Furriyanah)		34° 57' 00" N 8° 34' 00" E	733 m
Foum Tatahouine (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Foum Tatahouine, 2 km S, on GP 19, 1 km E highway, French fortification		32° 54' 55" N 10° 27' 00" E	
Foum Tataouine (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Fum Tatawin (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Fumm Tattauin (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Furriyanah (see Feriana)		34° 57' 00" N 8° 34' 00" E	733 m
Gabès, Qabis province (see also: Abes, Kabis, Qabes, Qabis, Tacapae, Tacape)		33° 53' 00" N 10° 07' 00" E	0 m
Gabès governorate			
Gabès, 100 km S		33° 00' 00" N 10° 00' 00" E	
Gabès, 45 km S (see Toujane, 3 km N(W))		33° 29' 37" N 10° 08' 00" E	
Gafsa (see also: Capsa, Gafso, Justiniania, Kafsa, Kaphza, Qafsah)		34° 25' 30" N 8° 47' 03" E	297 m
Gafsa governorate (see also: Qafsah governorate |PC:GF|)			
Gafsa, 20 km S (see M'Dilla abandoned Phosphate mines)		34° 15' 00" N 8° 45' 00" E	387 m

Gafsa, 30 km SE (see Jabal al 'Unq, mine)	34° 14' 02" N 9° 00' 54" E	
Gafsa, cave near (see also: Kaphza, cave near)	34° 26' 00" N 8° 47' 00" E	
Gafso (see Gafsa)	34° 25' 30" N 8° 47' 03" E	297 m
Galita Island (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Gammouda valley (see Sidi Bouzid valley), Bni Snassene massive	35° 02' 25" N 9° 29' 37" E	312 m
Gerba (see Île de Jerba)	33° 48' 00" N 10° 54' 00" E	
Ghar Kraiz	36° 26' 10" N 9° 23' 08" E	
Ghar Tabouda		
Glong, Jebel (see also: Djebel Glong)		
Grombalia (see also: Grombalic, Quaranbaliyah, Quranbaliyah, Qurunbaliyah)	36° 35' 59" N 10° 29' 59" E	57 m
Grombalia, 10 km W (see also: Hadjeb el Aïoun pool, near, Hadjeb el Aïoune pool, near)	36° 35' 59" N 10° 23' 17" E	
Grombalic (see Grombalia)	36° 35' 59" N 10° 29' 59" E	57 m
Grotte aux chauves-souris (see Bat cave)	37° 05' 00" N 11° 03' 00" E	
Grottes de Kasserine (see Kasserine caves)		
Grottes de Tabouda (see Tabouda caves)	37° 03' 57" N 11° 01' 53" E	
Hadjeb el Aïoun pool, near (see Grombalia, 10 km W), 4 km NW of GP 3 on MC 77	35° 23' 49" N 9° 32' 44" E	
Hadjeb el Aïoune pool, near (see Grombalia, 10 km W), 4 km NW of GP 3 on MC 77	35° 23' 49" N 9° 32' 44" E	
Hadrumetum (see Sousse)	35° 49' 32" N 10° 38' 28" E	0 m
Hajeb el Aïoun pool, near, 4 km NW of GP 3 on MC 77	35° 23' 49" N 9° 32' 44" E	
Hammam Derradji (see Bulla Regia), 7 km NNW Jendouba	36° 33' 30" N 8° 44' 48" E	
Hammam Djedidi (see Hammam Jedidi)	36° 23' 42" N 10° 23' 07" E	96 m
Hammam Djedidi, mine tunnel	36° 24' 00" N 10° 22' 23" E	
?ammam Jadidi (see Hammam Jedidi)	36° 23' 42" N 10° 23' 07" E	96 m
Hammam Jedidi (see also: Hammam Djedidi, ?ammam Jadidi)	36° 23' 42" N 10° 23' 07" E	96 m
Hoble	37° 03' 00" N 11° 01' 00" E	
Île de Djerba (see Île de Jerba)	33° 48' 00" N 10° 54' 00" E	
Île de Jerba (see also: Djerba, Djerba island, Djerbeh, Gerba, Île de Djerba, Isola di Gérba, Jazirat Jarbah, Jerba, Jerba island)	33° 48' 00" N 10° 54' 00" E	
Île de La Galite (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Île Galite (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Isola di Gérba (see Île de Jerba)	33° 48' 00" N 10° 54' 00" E	
Isola Galite (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Jabal al Ashkal (see Jebel Ichkeul)	37° 07' 24" N 9° 39' 17" E	
Jabal al 'Unq, mine, 30 km SE Gafsa (see also: Djebel Ank, mine, Djebel el Ank, mine, Gafsa, 30 km SE)	34° 14' 02" N 9° 00' 54" E	
Jabal al Wast, 6 km S Oum Djeddour, 28 km E Thala (see also: Djebel el Oust , Djebel Ouest, Djebel Oust, Oum Djeddour, 6 km S, Thala, 28 km E)	35° 33' 37" N 8° 52' 59" E	
Jabal Qulub (see also: Djebel Gloub)	36° 39' 00" N 8° 34' 00" E	
Jabal Zaghwan (see also: Djebel Zaghouan, Djebel Zaghouane, Djebel Zarhouan)	36° 21' 02" N 10° 06' 42" E	
Jalta Island (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Jazirat Jalitah (see La Galite, island), Galita Archipelago	37° 31' 34" N 8° 55' 44" E	
Jazirat Jarbah (see Île de Jerba)	33° 48' 00" N 10° 54' 00" E	
Jebel Ichkeul (see also: Djebel Achkel, Djebel Achkeul, Djebel Ichkeul, Djebel Ischkeul, Djebel Ishkoel, Jabal al Ashkal)	37° 07' 24" N 9° 39' 17" E	
Jebel Ichkeul, 25 km SW (see Sidi Messaoud, mine tunnel near)	36° 57' 58" N 9° 27' 23" E	
Jendouba governorate		
Jendouba, 17 km W (see Shimtu)	36° 29' 00" N 8° 35' 00" E	158 m
Jendouba, 7 km NNW (see Bulla Regia)	36° 33' 30" N 8° 44' 48" E	
Jerba (see Île de Jerba)	33° 48' 00" N 10° 54' 00" E	
Jerba island (see Île de Jerba)	33° 48' 00" N 10° 54' 00" E	
Justiniania (see Gafsa)	34° 25' 30" N 8° 47' 03" E	297 m
Kabis (see Gabès), Qabis province	33° 53' 00" N 10° 07' 00" E	0 m
Kafsa (see Gafsa)	34° 25' 30" N 8° 47' 03" E	297 m
Kairouan governorate		
Kairouan, 50 km WSW (see Djebel Trozza mine)	35° 30' 07" N 9° 35' 29" E	

Kalaa Matmata, near (see Matmata, near), Boukedma		33° 33' 00" N 9° 58' 00" E	400 m
Kaphza (see Gafsa)		34° 25' 30" N 8° 47' 03" E	297 m
Kaphza, cave near (see Gafsa, cave near)		34° 26' 00" N 8° 47' 00" E	
Kasserine caves			
(see also: Grottes de Kasserine)			
Kassérine governorate			
Kebili, Nefzaoua		33° 42' 07" N 8° 58' 25" E	34 m
(see also: Qibili)			
Kebili governorate			
Kef gPC:KF|)			
Khroumirie (see Kroumirie mountains)	ca.	36° 35' 00" N 8° 25' 00" E	
Kroumiria (see Kroumirie mountains)	ca.	36° 35' 00" N 8° 25' 00" E	
Kroumirie mountains	ca.	36° 35' 00" N 8° 25' 00" E	
(see also: Khroumirie, Kroumiria, Kroumirii Highlands)			
Kroumirii Highlands (see Kroumirie mountains)	ca.	36° 35' 00" N 8° 25' 00" E	
La Galite, island, Galita Archipelago		37° 31' 34" N 8° 55' 44" E	
(see also: Galita Island, Île de La Galite, Île Galite, Isola Galite, Jalta Island, Jazirat Jalitah, Zalite)			
Le Chambi (see Bordj Chambi)		35° 14' 03" N 8° 45' 29" E	630 m
Le Kef governorate			
(see also: Kef governorate |PC:KF|)			
Le Mdilla (see M'Dilla abandoned Phosphate mines)		34° 15' 00" N 8° 45' 00" E	387 m
Mactaris ruins (see Maktar ruins)		35° 51' 38" N 9° 12' 21" E	923 m
Mahdia governorate			
Maktar ruins, under large baths of the southeast		35° 51' 38" N 9° 12' 21" E	923 m
(see also: Mactaris ruins, Makthar ruins)			
Makthar ruins (see Maktar ruins)		35° 51' 38" N 9° 12' 21" E	923 m
Manouba governorate			
(see also: Manubah governorate |PC:MN|)			
ManubPC:MN|)			
Manzil Tamim (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Manzil Tamim (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Matmata, near, Boukedma		33° 33' 00" N 9° 58' 00" E	400 m
(see also: Kalaa Matmata, near, Matmatah near)			
Matmatah near (see Matmata, near), Boukedma		33° 33' 00" N 9° 58' 00" E	400 m
M'dhilla (see M'Dilla abandoned Phosphate mines)		34° 15' 00" N 8° 45' 00" E	387 m
M'Dilla abandoned Phosphate mines, 20 km S Gafsa		34° 15' 00" N 8° 45' 00" E	387 m
(see also: Al Ma?ilah, Gafsa, 20 km S, Le Mdilla, M'dhilla, Village de la Mine)			
Médenine governorate			
Mennzel Temine (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Menzel Jemime (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Menzel Temime		36° 46' 56" N 10° 59' 15" E	38 m
(see also: Manzil Tamim, Manzil Tamim, Mennzel Temine, Menzel Jemime, Menzel Temine, Menzel Termine, Menzel-Temimi, Mezel Temime)			
Menzel Temime, 3 km SE		36° 45' 58" N 11° 00' 10" E	
(see also: Mezel Temime, 3 km SE)			
Menzel Temine (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Menzel Termine (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Menzel-Temimi (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Metlaoui and Redeyef, between		34° 20' 00" N 8° 24' 00" E	
Mezel Temime (see Menzel Temime)		36° 46' 56" N 10° 59' 15" E	38 m
Mezel Temime, 3 km SE (see Menzel Temime, 3 km SE)		36° 45' 58" N 11° 00' 10" E	
Monastir governorate			
Mu'tamadiyat Taburbah (see Taburbah, Mu'tamadiyat)		36° 55' 00" N 9° 45' 00" E	
Nabeul		36° 27' 00" N 10° 44' 00" E	1 m
(see also: Naboel, Nabul)			
Nabeul governorate			
Naboel (see Nabeul)		36° 27' 00" N 10° 44' 00" E	1 m
Nabul (see Nabeul)		36° 27' 00" N 10° 44' 00" E	1 m
Nafzawah	ca.	33° 30' 00" N 9° 00' 00" E	
(see also: Nefzaoua)			
Nefza, 6 km W, 25 km E Tabarza, on GP 7		36° 57' 16" N 9° 02' 20" E	
(see also: Tabarza, 25 km E)			
Nefzaoua (see Nafzawah)	ca.	33° 30' 00" N 9° 00' 00" E	
Oasis Tozeur		33° 55' 14" N 8° 08' 00" E	43 m
on GP 3 in underground aquaduct (see Stil Date Grove), 12 km N Tozeur			
Oudna (see Oudna Station)		36° 37' 34" N 10° 09' 07" E	
Oudna Station		36° 37' 34" N 10° 09' 07" E	
(see also: Oudna, Station d'Oudna, Udhnah)			
Oudna Station, 1 km SE		36° 37' 11" N 10° 09' 35" E	

Oum Djeddour, 6 km S (see Jabal al Wast)		35° 33' 37" N 8° 52' 59" E	
Qabes (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Qabis (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Qafsah (see Gafsa)		34° 25' 30" N 8° 47' 03" E	297 m
QafsaPC:GF|)			
Qamudah valley (see Sidi Bouzid valley), Bni Snassene massive		35° 02' 25" N 9° 29' 37" E	312 m
Qartajannah (see Carthage)		36° 51' 15" N 10° 19' 49" E	0 m
Qibili (see Kebili), Nefzaoua		33° 42' 07" N 8° 58' 25" E	34 m
Quaranbaliyah (see Grombalia)		36° 35' 59" N 10° 29' 59" E	57 m
Quranbaliyah (see Grombalia)		36° 35' 59" N 10° 29' 59" E	57 m
Qurunbaliyah (see Grombalia)		36° 35' 59" N 10° 29' 59" E	57 m
Ra's at Tib (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Ra's Maddar (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Ras Addar (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Ras Rajel (American WWII) Cemetery, 10 km E Tabarka (see also: Ras Rajel Cemetery, mine at W edge, Tabarka, 10 km E)		36° 57' 14" N 8° 51' 59" E	
Ras Rajel Cemetery, mine at W edge (see Ras Rajel (American WWII) Cemetery)		36° 57' 14" N 8° 51' 59" E	
Rass Adder (see Cape Bon)		37° 05' 00" N 11° 02' 20" E	
Redevef (see Ar Rudayyif)		34° 23' 00" N 8° 09' 00" E	574 m
Redevel (see Ar Rudayyif)		34° 23' 00" N 8° 09' 00" E	574 m
Redeyef (see Ar Rudayyif)		34° 23' 00" N 8° 09' 00" E	574 m
Redeyef, 4 km S (see Aïoun Ameur, near)	ca.	34° 19' 00" N 8° 09' 00" E	
Region 1			
Region 2			
Region 3			
Region 4			
Region 5			
Region 6			
Region 7			
Rohia, 10 km NE (see Sbeitla, pool 40 km NW)		35° 43' 42" N 9° 07' 58" E	
Ruines de Bulla Régia (see Bulla Regia), 7 km NNW Jendouba		36° 33' 30" N 8° 44' 48" E	
Ruines d'Utique (see Utica ruins)		37° 03' 26" N 10° 03' 46" E	
Safaqis (see Sfax)		34° 44' 26" N 10° 45' 37" E	12 m
Sbeitla, 60 km N (see Sbeitla, pool 40 km NW)		35° 43' 42" N 9° 07' 58" E	
Sbeitla, pool 40 km NW, 4 km N of GP 3, on MC 77 (see also: Ar Raw?iyah, 10 km NE, Rohia, 10 km NE, Sbeitla, 60 km N, Souk et Tnine, 10 km N)	ca.	35° 21' 22" N 9° 26' 22" E	
Scarna mine, 10 km NE Rohia, 60 km N Sbeitla		35° 43' 42" N 9° 07' 58" E	
Sfax (see also: Safaqis, Taparura)		34° 44' 26" N 10° 45' 37" E	12 m
Sfax governorate			
Shimtu, 17 km W Jendouba (see also: Chemtou, Chemtou Ance, Jendouba, 17 km W, Simittu)		36° 29' 00" N 8° 35' 00" E	158 m
Sidi Bou Zid governorate			
Sidi Bou Zid valley (see Sidi Bouzid valley), Bni Snassene massive		35° 02' 25" N 9° 29' 37" E	312 m
Sidi Bouzid valley, Bni Snassene massive (see also: Gammouda valley, Qamudah valley, Sidi Bou Zid valley, Sidi Bu Zayd valley)		35° 02' 25" N 9° 29' 37" E	312 m
Sidi Bu Zayd valley (see Sidi Bouzid valley), Bni Snassene massive		35° 02' 25" N 9° 29' 37" E	312 m
Sidi Hassen Ayet memorial building, 4.5 km S Nefta		33° 50' 00" N 7° 52' 00" E	
Sidi Mansour area		36° 48' 10" N 10° 10' 47" E	
Sidi Messaoud, mine tunnel near, 25 km SW Djebel Ichkeul (see also: Djebel Ichkeul, 25 km SW, Jebel Ichkeul, 25 km SW)		36° 57' 58" N 9° 27' 23" E	
Sidi Tayeaa, mine, 1 km E Zaghouan on MC 133, 1 km S of highway (see also: Zaghouan, 1 km E on MC 133, 1 km S of highway)		36° 22' 30" N 10° 10' 10" E	
Siliana governorate			
Simittu (see Shimtu), 17 km W Jendouba		36° 29' 00" N 8° 35' 00" E	158 m
Souk el Arba, 7 km NNW (see Bulla Regia)		36° 33' 30" N 8° 44' 48" E	
Souk et Tnine, 10 km N (see Sbeitla, pool 40 km NW)		35° 43' 42" N 9° 07' 58" E	
Sousa (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
Souse (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
Soussa (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
Sousse (see also: Hadrumetum, Sousa, Souse, Soussa, Susa, Susah)		35° 49' 32" N 10° 38' 28" E	0 m

Sousse governorate (see also: Susah governorate |PC:SS|)			
Station d'Oudna (see Oudna Station)		36° 37' 34" N 10° 09' 07" E	
Stil Date Grove, 12 km N Tozeur (see also: on GP 3 in underground aquaduct, Tozeur, 12 km N)			
Susa (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
Susah (see Sousse)		35° 49' 32" N 10° 38' 28" E	0 m
SusahPC:SS|)			
Tabarka, 10 km E (see Ras Rajel (American WWII) Cemetery)		36° 57' 14" N 8° 51' 59" E	
Tabarza, 25 km E (see Nefza, 6 km W)		36° 57' 16" N 9° 02' 20" E	
Tabouda caves (see also: Grottes de Tabouda)		37° 03' 57" N 11° 01' 53" E	
Taburbah (see Tebourba), near Tunis		36° 50' 23" N 9° 50' 00" E	18 m
Taburbah, cave near (see Tebourba, cave near), near Tunis		36° 50' 00" N 9° 50' 00" E	
Taburbah, Mu'tamadiyat (see also: Délégation de Teboursouk, Mu'tamadiyat Taburbah, Teboursouk, délégation de)		36° 55' 00" N 9° 45' 00" E	
Tacapae (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Tacape (see Gabès), Qabis province		33° 53' 00" N 10° 07' 00" E	0 m
Tamaghzah oasis (see also: Tamerza oasis)		34° 23' 00" N 7° 57' 00" E	441 m
Tamerza oasis (see Tamaghzah oasis)		34° 23' 00" N 7° 57' 00" E	441 m
Taparura (see Sfax)		34° 44' 26" N 10° 45' 37" E	12 m
Tatahouïne (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Tataouine (see also: Foum Tatahouine, Foum Tataouine, Fum Tatawin, Fumm Tattauin, Tatahouïne, Tatawin)		32° 56' 00" N 10° 27' 00" E	246 m
Tataouine governorate			
Tatawin (see Tataouine)		32° 56' 00" N 10° 27' 00" E	246 m
Tawzar (see Tozeur)		33° 55' 14" N 8° 08' 00" E	43 m
Tebourba, near Tunis (see also: Taburbah)		36° 50' 23" N 9° 50' 00" E	18 m
Tebourba, cave near, near Tunis (see also: Taburbah, cave near)		36° 50' 00" N 9° 50' 00" E	
Teboursouk, délégation de (see Taburbah, Mu'tamadiyat)		36° 55' 00" N 9° 45' 00" E	
Thala, 28 km E (see Jabal al Wast)		35° 33' 37" N 8° 52' 59" E	
Therma			
Toudjane (see Tujan)		33° 28' 00" N 10° 08' 00" E	599 m
Toujane (see Tujan)		33° 28' 00" N 10° 08' 00" E	599 m
Toujane, 3 km N(W), on MC 104, 45 km S Gabès (see also: Gabès, 45 km S)		33° 29' 37" N 10° 08' 00" E	
Tozeur (see also: Tawzar)		33° 55' 14" N 8° 08' 00" E	43 m
Tozeur governorate			
Tozeur, 12 km N (see Stil Date Grove)			
Tozeur, Oasis		33° 55' 14" N 8° 08' 00" E	43 m
Tujan (see also: Toudjane, Toujane)		33° 28' 00" N 10° 08' 00" E	599 m
Tunes (see Tunis), Tunis wa al Ahwaz		36° 48' 10" N 10° 10' 47" E	0 m
Tunez (see Tunis), Tunis wa al Ahwaz		36° 48' 10" N 10° 10' 47" E	0 m
Tunis, Tunis wa al Ahwaz (see also: Tunes, Tunez, Tunisi, Tunis-Ville)		36° 48' 10" N 10° 10' 47" E	0 m
Tunis governorate			
Tunis, 23.5 km SE (see Entouna mine)		36° 39' 11" N 10° 21' 57" E	
Tunis, 28 km SE (see Djebel Besass)		36° 37' 28" N 10° 24' 06" E	
Tunis, ca 60 km E (see El Ouidiane abandoned coal mine)		36° 48' 10" N 10° 51' 07" E	
Tunisi (see Tunis), Tunis wa al Ahwaz		36° 48' 10" N 10° 10' 47" E	0 m
Tunisia			
Tunis-Ville (see Tunis), Tunis wa al Ahwaz		36° 48' 10" N 10° 10' 47" E	0 m
Udhnah (see Oudna Station)		36° 37' 34" N 10° 09' 07" E	
Utica ruins (see also: Ruines d'Utique, Utique ruins, Zehana)		37° 03' 26" N 10° 03' 46" E	
Utique ruins (see Utica ruins)		37° 03' 26" N 10° 03' 46" E	
Uyun 'Amir, near (see Aïoun Ameur, near), 4 km S Redeyef	ca.	34° 19' 00" N 8° 09' 00" E	
Village de la Mine (see M'Dilla abandoned Phosphate mines)		34° 15' 00" N 8° 45' 00" E	387 m
Wadi Zriba, near Zaghouan (see also: Zaribah , Zriba-Village)		36° 20' 22" N 10° 15' 08" E	
Zaghouan governorate			

Zaghouan, 1 km E on MC 133, 1 km S of highway (see Sidi Tayeaa, mine)		36° 22' 30" N 10° 10' 10" E	
Zaghouan, 3 km S, mine, on road from Ain Ayed		36° 19' 51" N 10° 08' 25" E	
Zalite (see La Galite, island), Galita Archipelago		37° 31' 34" N 8° 55' 44" E	
Zaribah (see Wadi Zriba), near Zaghouan		36° 20' 22" N 10° 15' 08" E	
Zehana (see Utica ruins)		37° 03' 26" N 10° 03' 46" E	
Zriba-Village (see Wadi Zriba), near Zaghouan		36° 20' 22" N 10° 15' 08" E	

Uganda:

Abim district			
Adjumani (see also: Ajumani)		3° 21' 41" N 31° 48' 35" E	761 m
Adjumani district			
Agago district			
Ajumani (see Adjumani)		3° 21' 41" N 31° 48' 35" E	761 m
Albert Edward Nyanza (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Albert Nyanza, 20 mi [=32 km] S of East of Center of lake	ca.	1° 28' 49" N 31° 11' 54" E	
Alebtong district			
Amdat (see Amudat), (ex Karamoja district?)		1° 57' 00" N 34° 57' 00" E	1223 m
Amiel, 45 mi ESE Kitgum (see also: Kitgum, 45 mi [=72 km] ESE)		2° 58' 00" N 33° 27' 00" E	1137 m
Amolatar district			
Amudat, (ex Karamoja district?) (see also: Amdat)		1° 57' 00" N 34° 57' 00" E	
Amudat district			
Amuria		2° 00' 13" N 33° 39' 04" E	1096 m
Amuria district			
Amuru district			
Apac district			
Arua, West Nile		3° 01' 09" N 30° 55' 51" E	1195 m
Arua district			
Arua, 32 km N (see Wati, mount)		3° 13' 40" N 31° 01' 46" E	
Arua, 97 km S (see Goli)		2° 41' 01" N 31° 06' 40" E	
Arua, near	ca.	3° 01' 00" N 30° 55' 00" E	
Baherere			
Biso (see also: Bisu)		1° 45' 23" N 31° 25' 15" E	982 m
Bisu (see Biso)		1° 45' 23" N 31° 25' 15" E	982 m
Buchanan Sawmills	ca.	1° 45' 23" N 31° 25' 15" E	
Budaka district			
Budo, Kampala, near		0° 15' 36" N 32° 29' 05" E	
Budongo		1° 38' 39" N 31° 35' 54" E	
Budongo Forest, ca. 25 km NW of Masindi (see also: Budongo Forest Nature Reserve, Masindi, ca. 25 km NW)		1° 44' 16" N 31° 33' 22" E	4000 ft
Budongo Forest Nature Reserve (see Budongo Forest)		1° 44' 16" N 31° 33' 22" E	
Budongo Forest Royal mile (see also: Nyabyeya Forestry College, N of, Royal Mile Forest)		1° 42' 29" N 31° 32' 21" E	
Budongo Forest Royal mile area	ca.	1° 42' 29" N 31° 32' 21" E	
Bududa district			
Bufumira Island		0° 21' 33" S 32° 24' 03" E	
Bugala island, Lake Victoria (see also: Sesse island)		0° 19' 13" N 32° 14' 38" E	
Bugiri district			
Bugoma Forest, Mwela		1° 11' 53" N 30° 56' 07" E	3800 ft
Buhivu, mount Elgon		1° 08' 00" N 34° 33' 00" E	
Buhweju district			
Buikwe district			
Bukakata (see also: Bukakata Pier)		0° 18' 00" S 31° 58' 12" E	
Bukakata Pier (see Bukakata)		0° 18' 00" S 31° 58' 12" E	
Bukalasa, West Mengo (see also: Bukulasa)		0° 42' 26" N 32° 30' 48" E	1127 m
Bukasa island		0° 24' 26" S 32° 28' 41" E	
Bukedea district			
Bukedi, 9.7 km SSW Tororo (see also: Tororo, 9.7 km SSW)		0° 39' 00" N 34° 08' 00" E	
Bukomansimbi district			
Bukorwe Ridge		0° 44' 00" S 29° 40' 00" E	3500 ft
Bukulasa (see Bukalasa), West Mengo		0° 42' 26" N 32° 30' 48" E	1127 m
Bukwa, 5 mi [= 8 km] W (see Kabei cave)		1° 18' 00" N 34° 45' 00" E	
Bukwo district			
Bulaganya, cave 3 mi [=4.8 km] S, Bugisu district	ca.	1° 00' 00" N 34° 00' 00" E	

Bulambuli district			
Buligi		2° 16' 00" N 31° 23' 00" E	762 m
Buliisa district			
Bumbo		0° 51' 40" N 34° 23' 53" E	1489 m
Bundibugyo district			
Bundimusaba		0° 43' 00" N 30° 05' 00" E	
(see also: Bundimusembe, Bundimusuba)			
Bundimusembe (see Bundimusaba)		0° 43' 00" N 30° 05' 00" E	
Bundimusuba (see Bundimusaba)		0° 43' 00" N 30° 05' 00" E	
Bunyoni, lake (see Bunyonyi, lake)		1° 17' 00" S 29° 55' 05" E	
Bunyonyi, lake		1° 17' 00" S 29° 55' 05" E	
(see also: Bunyoni, lake, Lake Bunyoni, Lake Bunyonyi)			
Bunyoro, Busingiro		1° 45' 00" N 31° 35' 00" E	1350 m
Burisifwe Gombolola, Bugisu district	ca.	1° 00' 00" N 34° 00' 00" E	
Bushenyi district			
Busia district			
Busingiro area		1° 42' 54" N 31° 28' 12" E	1070 m
(see also: Busingiro Camp Site)			
Busingiro Camp Site (see Busingiro area)		1° 42' 54" N 31° 28' 12" E	1070 m
Bussu		0° 02' 00" N 32° 02' 00" E	
Butaleja district			
Butambala district			
Butandiga		1° 12' 00" N 34° 22' 00" E	1743 m
Butiaba		1° 48' 41" N 31° 19' 50" E	600 m
(see also: Butlaba)			
Butlaba (see Butiaba)		1° 48' 41" N 31° 19' 50" E	600 m
Buvuma district			
Buyende district			
Bwainba (see Bwamba [county])		0° 50' 00" N 30° 03' 00" E	762 m
Bwamba [county]		0° 50' 00" N 30° 03' 00" E	762 m
(see also: Bwainba)			
Bwamba Forest		1° 40' 00" N 31° 30' 00" E	
Bwambara, 8 km N (see Bwentale Camp, below)		0° 33' 00" S 29° 52' 12" E	
Bwentale Camp, below		0° 33' 00" S 29° 52' 12" E	1031 m
(see also: Bwambara, 8 km N)			
Bwindi area	ca.	1° 02' 09" S 29° 43' 10" E	
Bwindi Swamp			
Bwindi-Impenetrable National Park		1° 02' 09" S 29° 43' 10" E	1500 m
Byumba, edge of Bwindi-Impenetrable National Park		0° 55' 41" S 29° 41' 45" E	1540 m
Central region			
(see also: West Mengo)			
Damba island		0° 00' 54" N 32° 46' 37" E	
(see also: Daniba island)			
Daniba island (see Damba island)		0° 00' 54" N 32° 46' 37" E	
Debasien, mount (see Kadam, mount)		1° 43' 19" N 34° 42' 49" E	
Dokolo district			
Dorwa river (see Wasa river), Chemliki valley		1° 02' 00" N 30° 30' 00" E	
Dufile		3° 33' 08" N 31° 56' 55" E	627 m
E.A.T.R.O. Field Station		0° 12' 00" N 33° 54' 00" E	
Eastern region			
Echuya Forest Reserve		1° 18' 00" S 29° 50' 00" E	2380 m
Édouard, lac (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Edward Nyanza (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Edward, lake	ca.	0° 08' 00" S 29° 53' 00" E	914 m
(see also: Albert Edward Nyanza, Édouard, lac, Edward Nyanza, Eward meer, Idi Amin Dada, lake, Idi Amine, lac, Lake Edward, Lake Idi Amin Dada)			
Elgon, Mount (see Mount Elgon)		1° 08' 00" N 34° 33' 00" E	
(see also: Ligonyi, Masaba, Masawa)			
Enkombe Sawmill		0° 16' 48" S 30° 07' 12" E	1480 m
Entebbe, (ex North Buganda province?)		0° 03' 52" N 32° 26' 49" E	1132 m
Entebbe, 60 mi [=90 km] W			3 700 ft
Entebbe, near	ca.	0° 03' 52" N 32° 26' 49" E	3800 ft
Eti, mount (see Wati, mount), 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
Eward meer (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Fort George (see Katwe), lake Edward		0° 08' 30" S 29° 49' 49" E	770 m
Fort Portal, Mpanga forest		0° 41' 38" S 30° 15' 59" E	1524 m
(see also: Kabarole)			
Goli, 97 km S Arua		2° 41' 01" N 31° 06' 40" E	
(see also: Arua, 97 km S)			
Gomba district			
Gonda			
Gulu		2° 46' 00" N 32° 18' 20" E	1077 m
Gulu district			

Haima, 28 mi [=45 km] S (see Hoima, 28 mi [=45 km] S)	ca.	1° 16' 37" N 31° 18' 20" E	
Hoima district			
Hoima, 28 mi [=45 km] S	ca.	1° 16' 37" N 31° 18' 20" E	
(see also: Haima, 28 mi [=45 km] S)			
Humia [river] (see Humiya [river])		0° 46' 00" N 30° 02' 00" E	
Humiya [river]		0° 46' 00" N 30° 02' 00" E	
(see also: Humia [river])			
Ibanda district			
Idi Amin Dada, lake (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Idi Amine, lac (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Iganga district			
Impenetrable Forest, Kigezi district		1° 00' 00" S 29° 40' 00" E	
Ishasha River	ca.	0° 28' 00" S 29° 41' 00" E	
Ishasha Road, 0.5 km S		0° 30' 00" S 29° 46' 00" E	1000 m
Ishasha, 5 km E		0° 40' 48" S 29° 40' 12" E	1062 m
Isingiro district			
Itama area (see Kikagati area)	ca.	1° 06' 13" S 30° 41' 17" E	
Itama mine (see Rev Malebo)		0° 59' 00" S 29° 41' 00" E	1615 m
(see also: Ithama mine)			
Itama Mine area (see Kikagati area)	ca.	1° 06' 13" S 30° 41' 17" E	
Ithama mine (see Itama mine)		0° 59' 00" S 29° 41' 00" E	1615 m
Jinja district			
Jinja district			
John Mate Camp		0° 23' 00" N 29° 56' 00" E	3368 m
Jubiya Forest, Masaka		0° 15' 00" S 31° 55' 00" E	
Kaabong district			
Kabale district			
Kabalega Falls		2° 17' 00" N 31° 41' 00" E	
Kabalega Falls National Park		2° 08' 46" N 31° 48' 40" E	610 m
(see also: Kabalega National Park , Kabarega National Park , Kabarenga National Park , Murchison Falls National Park, Murchison Falls Park)			
Kabalega National Park (see Kabalega Falls National Park)			610 m
Kabanyolo [mission]		0° 27' 00" N 32° 37' 00" E	
Kabarega Falls		2° 17' 00" N 31° 41' 00" E	
Kabarega National Park (see Kabalega Falls National Park)			610 m
Kabarenga National Park (see Kabalega Falls National Park)			610 m
Kabarole (see Fort Portal), Mpanga forest		0° 41' 38" S 30° 15' 59" E	1524 m
Kabarole district			
Kabei cave, 5 mi [=8 km] W Bukwa		1° 18' 00" N 34° 45' 00" E	
(see also: Bukwa, 5 mi [= 8 km] W)			
Kaberamaido district			
Kadam, mount		1° 43' 19" N 34° 42' 49" E	
(see also: Debasien, mount, Kokolyo, Mount Debasien, Mount Kadam)			
Kagolomolo-Busi island, near Entebbe		0° 04' 00" N 32° 33' 00" E	1158 m
Kalangala		0° 18' 32" S 32° 13' 30" E	1180 m
Kalangala district			
Kalangala, 1.0 km N, 0.5 km E	ca.	0° 18' 32" S 32° 13' 30" E	1140 m
Kalangala, 1.0 km S	ca.	0° 18' 32" S 32° 13' 30" E	1180 m
Kalinzu Forest		0° 25' 00" S 30° 05' 00" E	
Kaliro district			
Kalungu district			
Kama tin mine, near Leventobo		0° 09' 00" S 33° 54' 00" E	
Kampala		0° 18' 56" N 32° 33' 56" E	1202 m
Kampala district		0° 20' 00" N 32° 35' 00" E	4000 ft
Kampala, 13 km NW (see Kawanda, Agriculture Research Station)		0° 22' 29" N 32° 32' 11" E	1193 m
Kampala, 24 km N (see Namulonge)		0° 31' 47" N 32° 36' 09" E	1133 m
Kampala, 48 km E (see Namagunga, Buganda)		0° 22' 26" N 32° 52' 43" E	1140 m
Kampala, 5 - 11 km N (see Katalemwa)		0° 24' 27" N 32° 35' 06" E	
Kamuli district			
Kamuzuku, lake 1		0° 15' 49" S 30° 09' 09" E	
(see also: Lake Kamuzuku 1)			
Kamuzuku, lake 2		0° 15' 54" S 30° 09' 25" E	
(see also: Lake Kamuzuku 2)			
Kamwenge district			
Kangole Roman Catholic Mission		2° 26' 08" N 34° 29' 13" E	
Kanungu district			
Kapchorwa		1° 22' 58" N 34° 31' 28" E	2419 m
(see also: Sabei, Sebei)			
Kapchorwa district			

Kapchorwa, cave at		1° 24' 00" N 34° 27' 00" E	
Karamoja, Amudat, South Karamoja			
Karamoja (former) district, S of		2° 45' 00" N 34° 15' 00" E	
Kasenji (see Kasenyi)		0° 02' 26" S 30° 08' 45" E	3000 ft
Kasenju (see Kasenyi)		0° 02' 26" S 30° 08' 45" E	3000 ft
Kasenyi		0° 02' 26" S 30° 08' 45" E	3000 ft
(see also: Kasenji, Kasenju)			
Kasese district			
Kasese, 40 km from (see Nyabirongo)		0° 03' 29" N 29° 57' 11" E	2667 m
Kasyoha-Kitomi Forest Reserve		0° 15' 00" S 30° 15' 00" E	
Katakwi district			
Katalemura (see Katalemwa), 5 - 11 km N Kampala		0° 24' 27" N 32° 35' 06" E	
Katalemwa, 5 - 11 km N Kampala		0° 24' 27" N 32° 35' 06" E	
(see also: Kampala, 5 - 11 km N, Katalemura)			
Katatemwa, Kampala		1° 05' 00" N 31° 09' 00" E	966 m
Katera			
Katwe, lake Edward		0° 08' 30" S 29° 49' 49" E	
(see also: Fort George)			
Katwe, lake		0° 08' 00" S 29° 52' 00" E	
(see also: Lake Katwe)			
Katwe, near	ca.	0° 08' 30" S 29° 49' 49" E	3000 ft
Kawanda, Agriculture Research Station, 13 km NW Kampala		0° 22' 29" N 32° 32' 11" E	1193 m
(see also: Kampala, 13 km NW)			
Kayonza Crown Forest Reserve (see Kayonza Forest)		0° 56' 20" S 29° 43' 28" E	
Kayonza Forest		0° 56' 20" S 29° 43' 28" E	
(see also: Kayonza Crown Forest Reserve)			
Kayunga district			
Kibaale district			
Kibale Forest		0° 29' 10" N 30° 22' 58" E	
Kiboga district			
Kibuku district			
Kichwamba, near			4500 ft
Kigezi Game Reserve		0° 30' 00" S 29° 50' 00" E	
Kigumba, Bunyoro		1° 48' 18" N 32° 00' 42" E	1071 m
Kikagati area	ca.	1° 06' 13" S 30° 41' 17" E	
(see also: Itama area, Itama Mine area)			
Kikagati mine		1° 06' 13" S 30° 41' 17" E	1407 m
Kingdom of Toro (see Toro district (former))		0° 30' 00" N 30° 30' 00" E	5500 ft
Kinyala		1° 38' 00" N 31° 35' 00" E	1262 m
(see also: Kinyara)			
Kinyara (see Kinyala)		1° 38' 00" N 31° 35' 00" E	1262 m
Kiriamo			
Kiruhura district			
Kiryandongo district			
Kisolo (see Kisoro)		1° 21' 14" S 29° 41' 54" E	1829 m
Kisoro		1° 21' 14" S 29° 41' 54" E	1829 m
(see also: Kisolo)			
Kisoro district			
Kitgum district			
Kitgum, 45 mi [=72 km] ESE (see Amiel)		2° 58' 00" N 33° 27' 00" E	1137 m
Koboko district			
Kokolyo (see Kadam, mount)		1° 43' 19" N 34° 42' 49" E	
Kole district			
Kotido district			
Kumi district			
Kween district			
Kyagwe county		0° 25' 00" N 32° 50' 00" E	
Kyankwanzi district			
Kyegegwa district			
Kyenjojo district			
Lake Bunyoni (see Bunyonyi, lake)		1° 17' 00" S 29° 55' 05" E	
Lake Bunyonyi (see Bunyonyi, lake)		1° 17' 00" S 29° 55' 05" E	
Lake Edward (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Lake Idi Amin Dada (see Edward, lake)	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Lake Kamuzuku 1 (see Kamuzuku, lake 1)		0° 15' 49" S 30° 09' 09" E	
Lake Kamuzuku 2 (see Kamuzuku, lake 2)		0° 15' 54" S 30° 09' 25" E	
Lake Katwe (see Katwe, lake)		0° 08' 00" S 29° 52' 00" E	
Lake Mutanda (see Lake Mutanda)		1° 12' 31" S 29° 40' 31" E	1829 m
(see also: Lake Mutanda)			
Lake Nabugabo (see Nabugabo, lake)		0° 20' 09" S 31° 52' 29" E	
Lake Victoria (see Victoria, lake)	ca.	1° 00' 00" S 33° 00' 00" E	
Lamwo district			
Ligonyi (see Elgon, Mount)		1° 08' 00" N 34° 33' 00" E	
Lira district			
Lotome		2° 20' 04" N 34° 34' 10" E	1271 m

Lugala		0° 11' 19" N 33° 53' 16" E	1137 m
Luhiza Mine (see Ruhizha wolfram mine)		1° 01' 53" S 29° 46' 42" E	2286 m
Luuka district			
Luwero district			
Lwengo district			
Lyantonde district			
Mabira Forest		0° 30' 00" N 32° 55' 00" E	
Mahoma river, cave near		0° 21' 39" N 30° 00' 06" E	6700 ft
Mainaro		0° 21' 27" N 30° 23' 13" E	
Makerere		0° 20' 00" N 32° 34' 00" E	1193 m
Makerere Hill		0° 19' 00" S 32° 35' 00" E	
Malabigambo Forest		0° 57' 07" S 31° 38' 25" E	
Manafwa district			
Manjasi High School, Tororo		0° 40' 00" N 34° 12' 00" E	
Maracha district			
Maramagambo Forest Reserve South		0° 30' 00" S 29° 55' 12" E	1092 m
Maroto (see Moroto)		2° 29' 45" N 34° 40' 10" E	1360 m
Masaba (see Elgon, Mount)		1° 08' 00" N 34° 33' 00" E	
Masaka district			
Masawa (see Elgon, Mount)		1° 08' 00" N 34° 33' 00" E	
Masinai (see Masindi)		1° 40' 28" N 31° 42' 54" E	1216 m
Masindi		1° 40' 28" N 31° 42' 54" E	1216 m
(see also: Masinai)			
Masindi district			
Masindi, ca. 25 km NW (see Budongo Forest)		1° 44' 16" N 31° 33' 22" E	4000 ft
Masindi, near	ca.	1° 40' 28" N 31° 42' 54" E	
Massif du Ruwenzori (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Mayuge district			
Mbale, Bugisu district		1° 03' 52" N 34° 10' 46" E	1168 m
Mbale district			
Mbarara, Ankole district		0° 39' 30" S 30° 40' 33" E	1436 m
Mbarara district			
Mengo		0° 18' 00" N 32° 34' 00" E	1212 m
Metu		3° 39' 13" N 31° 48' 05" E	1043 m
(see also: Metu Rest Camp)			
Metu Rest Camp (see Metu)		3° 39' 13" N 31° 48' 05" E	1043 m
Mihringa (see Mihunga)		0° 20' 00" N 30° 02' 00" E	
Mihunga, entrance, Nyakalengija, Rwenzori National Park		0° 20' 00" N 30° 02' 00" E	
(see also: Mihringa, Minunga)			
Minunga (see Mihunga)		0° 20' 00" N 30° 02' 00" E	
Mitooma district			
Mityana district			
Miveya (see Mweya Lodge)		0° 14' 27" S 29° 55' 08" E	914 m
Mobuka Valley (see Mubuku Valley), Ruwenzori East		0° 11' 00" N 30° 14' 00" E	13000 ft
Mobuku Valley (see Mubuku Valley), Ruwenzori East		0° 11' 00" N 30° 14' 00" E	13000 ft
Mongiro		0° 50' 00" N 30° 10' 00" E	1098 m
Monts de la Lune (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Monts Rwenzori (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Moroto		2° 29' 45" N 34° 40' 10" E	1360 m
(see also: Maroto)			
Moroto district			
Moroto, mount		2° 32' 00" N 34° 46' 00" E	
(see also: Mount Moroto, Mount Sokdek, Sokdek, mount)			
Moruita, South Karmojadst		1° 51' 34" N 34° 45' 41" E	1699 m
Mount Debasien (see Kadam, mount)		1° 43' 19" N 34° 42' 49" E	
Mount Elgon		1° 08' 00" N 34° 33' 00" E	
(see also: Elgon, Mount)			
Mount Eti (see Wati, mount), 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
Mount Kadam (see Kadam, mount)		1° 43' 19" N 34° 42' 49" E	
Mount Moroto (see Moroto, mount)		2° 32' 00" N 34° 46' 00" E	1500 m
Mount Ruwenzori (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Mount Sokdek (see Moroto, mount)		2° 32' 00" N 34° 46' 00" E	
Mount Wati (see Wati, mount), 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
Mount Watti (see Wati, mount), 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
Mountains of the Moon (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Moyo, West Madi County, West Nile district		3° 37' 41" N 31° 45' 13" E	889 m
Moyo district			
Moyo, 10 mi [=16 km] E		3° 39' 00" N 31° 43' 00" E	
Moyo, 16 km E		3° 39' 00" N 31° 43' 00" E	
Moyo, near	ca.	3° 37' 41" N 31° 45' 13" E	
Mpanga Forest			5500 ft
Mpigi district			
Mpigi district			
Mubende		0° 35' 21" N 31° 21' 36" E	1323 m
(see also: Mubendi)			

Mubende district			
Mubendi (see Mubende)		0° 35' 21" N 31° 21' 36" E	1323 m
Mubuk river, right bank, Rwenzori mountains		0° 11' 00" N 30° 14' 00" E	
Mubuku - Mahoma River confluence, above, E slopes Rwenzori mountains		0° 21' 50" N 29° 59' 53" E	2103 m
Mubuku River, river bank, above confll Kyoha River		0° 21' 00" N 30° 00' 00" E	1890 m
Mubuku Valley, Ruwenzori East (see also: Mobuka Valley, Mobuku Valley)		0° 11' 00" N 30° 14' 00" E	13000 ft
Mukono district			
Mulanda, 12 mi [=19 km] W Tororo (see also: Tororo, 12 mi [=19 km] W)		0° 40' 53" N 34° 00' 27" E	1085 m
Murchison Falls		2° 17' 00" N 31° 41' 00" E	3500 ft
Murchison Falls National Park (see Kabalega Falls National Park)		2° 08' 46" N 31° 48' 40" E	610 m
Murchison Falls Park (see Kabalega Falls National Park)		2° 08' 46" N 31° 48' 40" E	610 m
Mutanda, lake		1° 12' 31" S 29° 40' 31" E	
Mwela		1° 16' 00" N 31° 00' 00" E	1158 m
Mweya (see Mweya Lodge)		0° 14' 27" S 29° 55' 08" E	914 m
Mweya Lodge (see also: Miveya, Mweya, Mweya Safari Lodge)		0° 14' 27" S 29° 55' 08" E	914 m
Mweya Safari Lodge (see Mweya Lodge)		0° 14' 27" S 29° 55' 08" E	914 m
Nabea	ca.	1° 44' 16" N 31° 33' 22" E	
Nabugabo, lake (see also: Lake Nabugabo)		0° 20' 09" S 31° 52' 29" E	
Nabumali		0° 59' 16" N 34° 12' 33" E	1268 m
Nakapiripirit district			
Nakaseke district			
Nakasongola district			
Nam Lolwe (see Victoria, lake)	ca.	1° 00' 00" S 33° 00' 00" E	
Namagunga, Buganda, 48 km E Kampala (see also: Kampala, 48 km E)		0° 22' 26" N 32° 52' 43" E	1140 m
Namayingo district			
Namulere			
Namulonge, 24 km N Kampala (see also: Kampala, 24 km N, Numulongo)		0° 31' 47" N 32° 36' 09" E	1133 m
Namutumba district			
Napak district			
Navkatwai			
Nebbi district			
Ngogo		0° 30' 22" N 30° 25' 34" E	
Ngongera (see also: Ngongera, Pope Pius X Seminary)		0° 46' 00" N 34° 02' 00" E	1071 m
Ngongera (see Ngongera)		0° 46' 00" N 34° 02' 00" E	1071 m
Ngongera, Bukedi, Pope Pius X Seminary, 22 km [=12 mi.] W Tororo (see also: Tororo, 22 km [=12 mi.] W)		0° 46' 33" N 34° 01' 00" E	
Ngora		2° 03' 00" N 34° 38' 00" E	
Ngora district			
Ngoto Swamp		0° 52' 52" S 29° 43' 52" E	1500 m
Nimule, near		3° 35' 00" N 32° 03' 00" E	
Northern region			
Ntandi		0° 48' 00" N 30° 09' 00" E	1106 m
Ntandi, Bwamba Forest		0° 48' 00" N 30° 09' 00" E	1106 m
Ntandi, W			
Nteko parish	ca.	1° 02' 16" S 29° 36' 00" E	1600 m
Ntorako		1° 02' 28" N 30° 28' 52" E	548 m
Ntoroko district			
Ntungamo district			
Numulongo (see Namulonge), 24 km N Kampala		0° 31' 47" N 32° 36' 09" E	1133 m
Nwoya district			
Nyabirongo, 40 km from Kasese (see also: Kasese, 40 km from)		0° 03' 29" N 29° 57' 11" E	2667 m
Nyabitaba Hut		0° 21' 26" N 29° 58' 31" E	8750 ft
Nyabyeya Forestry College		1° 41' 00" N 31° 32' 00" E	
Nyabyeya Forestry College, 0.5 km SE		1° 41' 00" N 31° 32' 00" E	
Nyabyeya Forestry College, N of (see Budongo Forest Royal mile)		1° 42' 29" N 31° 32' 21" E	
Nyafungo Nature Reserve		1° 42' 32" N 31° 31' 34" E	
Nyanga, on Bugala island, in Lake Victoria		0° 40' 00" S 32° 50' 00" E	
Nyanugasani River		0° 09' 00" S 29° 49' 00" E	3050 ft
Nyero (see also: Nyiro)		1° 29' 00" N 33° 51' 00" E	1113 m
Nyiro (see Nyero)		1° 29' 00" N 33° 51' 00" E	1113 m
Old Entebbe		0° 01' 41" N 32° 26' 43" E	1132 m
Old Kalongi			
Omubiyanja Swamp		0° 59' 21" S 29° 37' 06" E	1850 m

Oshikango			
Otuke district			
Oyam district			
Pader district			
Pajule		2° 56' 23" N 32° 56' 38" E	1006 m
Pallisa district			
Paraa		2° 17' 31" N 31° 34' 39" E	914 m
(see also: Paraa Lodge, Paraa Safari Lodge)			
Paraa Lodge (see Paraa)		2° 17' 31" N 31° 34' 39" E	914 m
Paraa Safari Lodge (see Paraa)		2° 17' 31" N 31° 34' 39" E	914 m
Point Alice			
Pope Pius X Seminary (see Ngongera), 22 km W Tororo, Bukedi		0° 46' 00" N 34° 02' 00" E	1071 m
Queen Elizabeth National Park (see Ruwenzori National Park)		0° 15' 00" S 30° 11' 11" E	
Queen Elizabeth Park (see Ruwenzori National Park)		0° 15' 00" S 30° 11' 11" E	
Rakai district			
Rhino Camp, Nile province, West Nile dist.		2° 57' 50" N 31° 24' 40" E	
Royal Mile Forest (see Budongo Forest Royal mile)		1° 42' 29" N 31° 32' 21" E	
Rubirizi district			
Ruhizha wolfram mine		1° 01' 53" S 29° 46' 42" E	
(see also: Luhiza Mine)			
Rukungiri district			
Ruwenzori (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori East		0° 22' 00" N 30° 00' 00" E	1524 m
Ruwenzori Mountains (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori National Park		0° 15' 00" S 30° 11' 11" E	
(see also: Queen Elizabeth National Park, Queen Elizabeth Park, Rwenzori National Park)			
Ruwenzori Range (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori SE		0° 22' 00" N 30° 00' 00" E	
Ruwenzori, foot		0° 22' 00" N 30° 00' 00" E	
Rwenzoli (see Rwenzori Mountains)		0° 25' 28" N 30° 00' 58" E	1524 m
Rwenzori Mountains		0° 25' 28" N 30° 00' 58" E	1524 m
(see also: Massif du Ruwenzori, Monts de la Lune, Monts Rwenzori, Mount Ruwenzori, Mountains of the Moon, Ruwenzori, Ruwenzori Mountains, Ruwenzori Range, Rwenzoli)			
Rwenzori National Park (see Ruwenzori National Park)		0° 15' 00" S 30° 11' 11" E	
Sabei (see Kapchorwa)		1° 22' 58" N 34° 31' 28" E	2419 m
Sebei (see Kapchorwa)		1° 22' 58" N 34° 31' 28" E	2419 m
Sebei College, cave 1 mi [=1.6 km] SW	ca.	1° 22' 58" N 34° 31' 28" E	
Sebei College, cave 2 mi [=3.2 km] SW	ca.	1° 22' 58" N 34° 31' 28" E	
Sembabule district			
Semliki flats		0° 49' 00" N 30° 04' 00" E	
(see also: Semliki Game Reserve)			
Semliki Game Reserve (see Semliki flats)		0° 49' 00" N 30° 04' 00" E	
Serere		1° 29' 39" N 33° 27' 19" E	1085 m
Serere Agricultural Research Station (see Teso)		1° 31' 00" N 33° 27' 00" E	
Serere district			
Sesse island (see Bugala island), Lake Victoria		0° 19' 13" N 32° 14' 38" E	
Sheema district			
Sipi		1° 18' 35" N 34° 22' 27" E	1791 m
(see also: Sipi cave)			
Sipi cave (see Sipi)		1° 18' 35" N 34° 22' 27" E	1791 m
Sironko district			
Sokdek, mount (see Moroto, mount)		2° 32' 00" N 34° 46' 00" E	
Sonsor river		1° 46' 00" N 31° 33' 00" E	1219 m
Soroti		1° 41' 08" N 33° 36' 59" E	914 m
Soroti district			
Soroti, 25 mi [=40 km] N		2° 04' 59" N 33° 37' 00" E	1219 m
South Buganda		0° 30' 00" S 31° 45' 00" E	
Sowe Island		0° 09' 38" N 32° 38' 52" E	
(see also: Soweh Island)			
Soweh Island (see Sowe Island)		0° 09' 38" N 32° 38' 52" E	
Suam River	ca.	1° 13' 00" N 34° 43' 00" E	
(see also: Turkwell River)			
Sukuli Hills, 2 mi [=3.2 km] SSW Tororo		0° 40' 05" N 34° 10' 29" E	
(see also: Sukulu Hill, Tororo, 2 mi[=3.2 km] SSW)			
Sukulu Hill (see Sukuli Hills), Tororo, near		0° 40' 05" N 34° 10' 29" E	
Tende		0° 28' 12" S 32° 28' 48" E	
Teso		1° 31' 00" N 33° 27' 00" E	
(see also: Serere Agricultural Research Station)			
Toro, Ruwenzori		0° 30' 00" N 30° 30' 00" E	762 m

Toro district (former) (see also: Kingdom of Toro)		0° 30' 00" N 30° 30' 00" E	5500 ft
Tororo		0° 41' 05" N 34° 10' 52" E	1185 m
Tororo district			
Tororo, 10 km [=6 mi] SSW		0° 36' 00" N 34° 08' 44" E	
Tororo, 12 mi [=19 km] W (see Mulanda)		0° 40' 53" N 34° 00' 27" E	1085 m
Tororo, 2 mi[=3.2 km] SSW (see Sukuli Hills)		0° 40' 05" N 34° 10' 29" E	
Tororo, 22 km [=12 mi.] W (see Ngongera, Bukedi, Pope Pius X Seminary)		1° 04' 00" N 34° 19' 00" E	
Tororo, 64 km SW		0° 14' 50" N 33° 59' 10" E	
Tororo, 9.7 km SSW (see Bukedi)		0° 39' 00" N 34° 08' 00" E	
Turkwell River (see Suam River)	ca.	1° 13' 00" N 34° 43' 00" E	
Uganda			
Ukerewe (see Victoria, lake)	ca.	1° 00' 00" S 33° 00' 00" E	
Victoria Nyanza (see Victoria, lake)	ca.	1° 00' 00" S 33° 00' 00" E	
Victoria, lake (see also: Lake Victoria, Nam Lolwe, Ukerewe, Victoria Nyanza)	ca.	1° 00' 00" S 33° 00' 00" E	
Waisake river (see Waisoke river)		1° 58' 00" N 31° 24' 00" E	
Waisoke river (see also: Waisake river)		1° 58' 00" N 31° 24' 00" E	
Wakiso district			
Wandegeya		0° 21' 00" N 33° 33' 00" E	1129 m
Wasa river, Chemliki valley (see also: Dorwa river)		1° 02' 00" N 30° 30' 00" E	
Wati, mount, 32 km N Arua (see also: Arua, 32 km N, Eti, mount, Mount Eti, Mount Wati, Mount Watti, Watti, mount)		3° 13' 40" N 31° 01' 46" E	
Watti, mount (see Wati, mount), 32 km N Arua		3° 13' 40" N 31° 01' 46" E	
West Madi county		3° 30' 00" N 31° 35' 00" E	
West Mengo (see Central region), North Buganda province		0° 05' 00" N 32° 00' 00" E	
Western region			
Yumbe, Nile province, West Nile dist.		3° 26' 47" N 31° 16' 13" E	903 m
Yumbe district			
Zika forest		0° 07' 00" N 30° 30' 00" E	
Zombo district			

Yemen:

Yemen			

Zambia:

Abercorn (see Mbala)		8° 50' 00" S 31° 23' 00" E	1656 m
Balovale (see Zambezi)		13° 33' 00" S 23° 07' 00" E	1090 m
Bangwelk, Lake (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Bangweolo, lake (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Bangweulu, lake (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Bengweulu, Lake (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Blue Lagoon National Park, Naleza		15° 30' 00" S 27° 25' 00" E	
Blue Lagoon National Park No. 18, Naleza		15° 30' 00" S 27° 25' 00" E	
Blue Lagoon ranch, Naleza		15° 30' 00" S 27° 25' 00" E	
Broken Hill (see Kabwe)		14° 26' 00" S 28° 27' 00" E	1172 m
Bulaya, Lake Mweru Wantipa		8° 31' 00" S 30° 08' 00" E	948 m
Bwalo, near Fort Jameson		13° 45' 00" S 32° 45' 00" E	4500 ft
Bwana Mkubwa		13° 00' 00" S 28° 40' 48" E	
Bwandela River, Mporokoso District, Ehilosi area (see also: Bwandera River)		9° 59' 08" S 30° 01' 28" E	
Bwandera River (see Bwandela River)		9° 59' 08" S 30° 01' 28" E	
CE Ltd., cave, 20 mi SW Lusaka (see also: Lusaka, 20 mi [=32 km] SW)			
Central province			
Chambezi		11° 00' 00" S 31° 30' 00" E	
Chavuma area, Zambezi [=Balovale] district,		13° 04' 00" S 22° 41' 00" E	
Chelston, 2 mi [=3.2 km] N		15° 21' 00" S 28° 23' 00" E	
Chembeshi River, Kasama		10° 20' 00" S 31° 58' 00" E	4000 ft
Chepundu River		13° 00' 00" S 31° 00' 00" E	4800 ft
Chibembe pontoon, 1/2 mi [=0.8 km] S		12° 46' 00" S 32° 04' 00" E	
Chief Chitanda			
Chief Chlawa's		15° 37' 12" S 29° 22' 12" E	
Chikundulu river (see also: Shikundulu river)		12° 57' 00" S 24° 14' 00" E	
Chikwa		11° 40' 00" S 32° 47' 00" E	900 m

Chilanga, 10 mi S Lusaka		15° 33' 00" S 28° 17' 00" E	1220 m
(see also: Lusaka, 10 mi [=16 km] S)			
Chilanga cave		15° 33' 00" S 28° 16' 12" E	
Chilanga Caves		15° 33' 00" S 28° 16' 00" E	
Chilanga Intensive Conservation Area (see Chilanga West Intensive Conservation Area)		15° 35' 00" S 28° 10' 00" E	
Chilanga Nature Reserve (see Chilanga West Intensive Conservation Area)		15° 35' 00" S 28° 10' 00" E	
Chilanga West Intensive Conservation Area		15° 35' 00" S 28° 10' 00" E	
(see also: Chilanga Intensive Conservation Area, Chilanga Nature Reserve)			
Chilomo Hill	ca.	12° 50' 26" S 31° 22' 03" E	
(see also: Chiromo Hill, Chirozo Hill)			
Chingi, Chavuma, near		13° 01' 00" S 22° 44' 00" E	1094 m
Chiniyka Bay, Lake Tanganyika		8° 31' 00" S 30° 40' 00" E	
Chinzombo		13° 07' 00" S 31° 46' 00" E	
Chipata		13° 38' 00" S 32° 39' 00" E	1212 m
(see also: Fort Jameson)			
Chipata district		13° 30' 00" S 32° 10' 00" E	
(see also: Fort Jameson district)			
Chipengali area		13° 07' 30" S 32° 52' 30" E	
Chipongwe		15° 39' 00" S 28° 16' 00" E	1090 m
(see also: Chipongwe West)			
Chipongwe Cave, 18 mi [=29 km] S Lusaka; between Lusaka and Kafue		15° 41' 00" S 28° 14' 00" E	
(see also: Chiponque Cave)			
Chipongwe West (see Chipongwe)		15° 39' 00" S 28° 16' 00" E	1090 m
Chiponque Cave (see Chipongwe Cave)		15° 41' 00" S 28° 14' 00" E	
Chiromo Hill (see Chilomo Hill)	ca.	12° 50' 26" S 31° 22' 03" E	
Chirozo Hill (see Chilomo Hill)	ca.	12° 50' 26" S 31° 22' 03" E	
Chisakila Area	ca.	15° 54' 00" S 28° 41' 00" E	
Chisenga		12° 38' 00" S 30° 54' 00" E	
Chishela dambo, Mporokoso district		10° 43' 00" S 29° 13' 00" E	
Chisombo		13° 07' 30" S 31° 52' 30" E	
Chitau		13° 05' 00" S 22° 43' 00" E	1052 m
Chizela, Kasempa district		13° 08' 00" S 25° 00' 00" E	1179 m
(see also: Chizera)			
Chizera (see Chizela), Kasempa district		13° 08' 00" S 25° 00' 00" E	1179 m
Choma		16° 49' 00" S 26° 59' 00" E	1320 m
Choma district		16° 40' 00" S 27° 10' 00" E	
Choma, 12 mi [=19 km] NW	ca.	16° 40' 56" S 26° 49' 58" E	1234 m
Copperbelt province			
Dzala Cave, 14 mi NE Lusaka		15° 26' 00" S 28° 20' 00" E	
(see also: Lusaka, 14 mi [=22.5 km] NE)			
Eastern Luachi (see Luachi River)		14° 59' 00" S 22° 27' 00" E	
Eastern province			
Escape Farm, Chipata			
Farm Xanadu, Lusaka		15° 25' 00" S 28° 16' 00" E	
Fort Jameson (see Chipata)		13° 38' 00" S 32° 39' 00" E	1212 m
Fort Jameson Boma		13° 40' 00" S 32° 40' 00" E	3800 ft
Fort Jameson district (see Chipata district)		13° 30' 00" S 32° 10' 00" E	
Fort Roseberry - Lubumbashi, between (see Mansa - Lubumbashi, between)		11° 11' 00" S 28° 53' 00" E	
Gwabi lodge, on Kafue river, near Chirundu		15° 57' 05" S 28° 51' 41" E	
Ikelenge Pedicle between the Sakeji and Zambezi rivers, approximately 11 km NNE of source of Zambezi river, Kavunda, Mwinilunga district		11° 17' 00" S 24° 21' 00" E	1388 m
Isoka		10° 10' 00" S 32° 38' 00" E	1500 m
Isoka district			
Jimbe Stream		10° 57' 00" S 24° 05' 00" E	
Jumbe		13° 17' 00" S 32° 05' 00" E	710 m
Jumbe river		13° 17' 00" S 32° 05' 00" E	
Kabompo		13° 36' 00" S 24° 12' 00" E	1027 m
(see also: Kabompo Boma, Kapombo Boma)			
Kabompo Boma (see Kabompo)		13° 36' 00" S 24° 12' 00" E	1027 m
Kabompo district		13° 15' 00" S 24° 10' 00" E	
Kabompo, near		13° 36' 00" S 24° 12' 00" E	
Kabulonga		15° 25' 00" S 28° 21' 00" E	1275 m
Kabwe		14° 26' 00" S 28° 27' 00" E	1172 m
(see also: Broken Hill)			
Kafue Game Reserve (see Kafue National Park)		14° 30' 00" S 26° 10' 00" E	
Kafue Gorge		15° 52' 00" S 28° 30' 00" E	
Kafue Gorge, near		15° 51' 00" S 28° 27' 00" E	
Kafue National Park		14° 30' 00" S 26° 10' 00" E	
(see also: Kafue Game Reserve, Kafue National Park No. 11)			

Kafue National Park No. 11 (see Kafue National Park)		14° 30' 00" S 26° 10' 00" E	
Kafue River		15° 56' 00" S 28° 55' 00" E	
(see also: Lufuu River)			
Kalabo		14° 58' 00" S 22° 41' 00" E	1019 m
Kalambo Road		8° 50' 00" S 31° 25' 00" E	5400 ft
Kalichero		13° 33' 00" S 32° 24' 00" E	896 m
Kalomo		17° 03' 00" S 26° 30' 00" E	1224 m
Kalungu River High Water		9° 30' 00" S 32° 45' 00" E	5000 ft
Kambowa, Naleza		15° 30' 00" S 27° 25' 00" E	
Kankomba River, Lundazi		13° 30' 00" S 32° 15' 00" E	2000 ft
Kanona, 32 mi [=51.5 km] NE			
Kanona, 42 mi [=68 km] SW			
Kanyale stream		10° 58' 00" S 24° 07' 00" E	
Kapombo Boma (see Kabompo)		13° 36' 00" S 24° 12' 00" E	1027 m
Kapongo cave		15° 46' 00" S 28° 21' 00" E	
Kariba, lake, north shore		16° 28' 00" S 28° 20' 00" E	
Kasama		10° 12' 00" S 31° 12' 00" E	1240 m
Kasama (see Kasempa)		13° 27' 00" S 25° 50' 00" E	1208 m
Kasama Boma		10° 13' 00" S 31° 10' 00" E	4500 ft
Kasanka		12° 40' 00" S 30° 19' 00" E	ca. 4000 ft
Kasanka National Park		12° 35' 12" S 30° 13' 30" E	
Kasempa		13° 27' 00" S 25° 50' 00" E	1208 m
(see also: Kasama, Kasempa Boma)			
Kasempa Boma (see Kasempa)		13° 27' 00" S 25° 50' 00" E	1208 m
Kasompe camp, Kasempa district		14° 05' 00" S 25° 45' 00" E	
Kasungula (see Kazungula)		17° 47' 00" S 25° 16' 00" E	722 m
Kasungulu (see Kazungula)		17° 47' 00" S 25° 16' 00" E	722 m
Kaungashi stream, source of		13° 50' 00" S 26° 47' 00" E	
Kawambwa		9° 48' 29" S 29° 18' 45" E	
Kazilondok		11° 30' 00" S 33° 00' 00" E	2000 ft
Kazungula		17° 47' 00" S 25° 16' 00" E	722 m
(see also: Kasungula, Kasungulu)			
Kilwa Island, Lake Mwern		9° 16' 00" S 28° 27' 00" E	
Kituta Bay, South end Lake Tanganyika		8° 32' 00" S 30° 30' 00" E	2775 ft
Kitwe, Mwekera		12° 59' 00" S 28° 12' 00" E	1212 m
(see also: Kitwe Nkana, Nkana-Kitwe, Nkane-Kitwe)			
Kitwe Nkana (see Kitwe), Mwekera		12° 59' 00" S 28° 12' 00" E	1212 m
Kongwe Hill, Fort Jameson district		13° 08' 00" S 32° 47' 00" E	
Kriel cave (see Kriel Farm), 5 - 6 mi N-NE Lusaka	ca.	15° 19' 11" S 28° 19' 55" E	
Kriel Farm, 5 - 6 mi N-NE Lusaka	ca.	15° 19' 11" S 28° 19' 55" E	
(see also: Kriel cave, Kriel Ranch, Lusaka, 5 - 6 mi [=8 - 10 km] N-NE, Ngiverone Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E, Ngwerere Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E)			
Kriel Ranch (see Kriel Farm), 5 - 6 mi N-NE Lusaka	ca.	15° 19' 11" S 28° 19' 55" E	
Kunyale stream			
Lake Bangwelk (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Lake Bangweolo (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Lake Bangweulu		11° 05' 00" S 29° 45' 00" E	2000 ft
(see also: Bangwelk, Lake, Bangweolo, lake, Bangweulu, lake, Bengweulu, Lake, Lake Bangwelk, Lake Bangweolo, Lake Bengweulu)			
Lake Bengweulu (see Lake Bangweulu)		11° 05' 00" S 29° 45' 00" E	2000 ft
Lenhua, Rio (see Lunhiu river), Balovale		13° 19' 00" S 23° 13' 00" E	
Leopard's Hill Cave		15° 36' 17" S 28° 41' 56" E	
Libala Lia Matabele (see Matabele plain)		16° 25' 00" S 23° 08' 00" E	
Libala Lya Matebele (see Matabele plain)		16° 25' 00" S 23° 08' 00" E	
Limalunga		15° 09' 00" S 23° 10' 00" E	3330 ft
(see also: Limulunga)			
Limulunga, 10 mi [=16 km] N Mongu N.R.	ca.	15° 04' 05" S 23° 08' 53" E	
Limulunga (see Limalunga)		15° 09' 00" S 23° 10' 00" E	3330 ft
Linyuwe river (see Lunhiu river), Balovale		13° 19' 00" S 23° 13' 00" E	
Livingstone		17° 51' 00" S 25° 52' 00" E	3030 ft
Livingstone [1752S 2551E] and Lochinvar [1551S 2714E], between			
Loangwa valley		13° 10' 00" S 31° 30' 00" E	
Lochinvar (see Lochinvar National Park)		15° 55' 00" S 27° 15' 00" E	
Lochinvar Kafue Flats		15° 52' 00" S 27° 07' 00" E	
Lochinvar National Park		15° 55' 00" S 27° 15' 00" E	
(see also: Lochinvar, Lochinvar National Park No. 13, Lochinvar Ranch, Lonchinvar)			
Lochinvar National Park No. 13 (see Lochinvar National Park)		15° 55' 00" S 27° 15' 00" E	
Lochinvar Ranch (see Lochinvar National Park), Chunga		15° 55' 00" S 27° 15' 00" E	
Lonchinvar (see Lochinvar National Park)		15° 55' 00" S 27° 15' 00" E	

Luachi River		14° 59' 00" S 22° 27' 00" E	
(see also: Eastern Luachi, Luochi River)			
Luakela River		11° 36' 00" S 24° 31' 00" E	
(see also: Luakera River)			
Luakera River (see Luakela River)		11° 36' 00" S 24° 31' 00" E	
Luambe		12° 27' 00" S 32° 08' 00" E	
(see also: Luambe Game Camp)			
Luambe Game Camp (see Luambe)		12° 27' 00" S 32° 08' 00" E	
Luangwa		13° 07' 00" S 31° 45' 00" E	
Luangwa River		13° 22' 30" S 31° 37' 30" E	
Luangwa River		12° 45' 00" S 32° 05' 00" E	
Luangwa Valley		13° 07' 30" S 31° 52' 30" E	3000 ft
Luanshya		13° 08' 00" S 28° 24' 00" E	1228 m
(see also: Luanshyo)			
Luanshya district		13° 00' 00" S 28° 20' 00" E	
Luanshya, 6 mi [=9.7 km] S	ca.	13° 08' 00" S 28° 24' 00" E	ca. 1200 m
(see also: Luanshyo, 6 mi [=9.7 km] S)			
Luanshya, 6 mi S		13° 07' 30" S 28° 22' 30" E	
Luanshyo (see Luanshya)		13° 08' 00" S 28° 24' 00" E	1228 m
Luanshyo, 6 mi [=9.7 km] S (see Luanshya, 6 mi [=9.7 km] S)	ca.	13° 08' 00" S 28° 24' 00" E	ca. 1200 m
Luapula province			
Lueti River, S		15° 38' 00" S 22° 06' 00" E	
Lufubu River, Kaputa		8° 40' 00" S 29° 30' 00" E	1000 ft
Lufupa and Kafue rivers confluence		14° 37' 04" S 26° 11' 29" E	
Lufupa Camp [Site 1]		14° 36' 51" S 26° 11' 18" E	
Lufupa Camp [Site 2]		14° 36' 56" S 26° 11' 27" E	1099 m
Lufupa Camp [Site 3]		14° 36' 48" S 26° 11' 17" E	
Lufuu River (see Kafue River)		15° 56' 00" S 28° 55' 00" E	
Lukanga Swamp, West of Broken Hill		14° 22' 47" S 27° 48' 19" E	
Lukusuzi (see Lukusuzi National Park)		12° 50' 00" S 32° 35' 00" E	
Lukusuzi Game Reserve (see Lukusuzi National Park)		12° 50' 00" S 32° 35' 00" E	
Lukusuzi National Park		12° 50' 00" S 32° 35' 00" E	
(see also: Lukusuzi, Lukusuzi Game Reserve, Lukusuzi National Park No. 3)			
Lukusuzi National Park No. 3 (see Lukusuzi National Park)		12° 50' 00" S 32° 35' 00" E	
Lundazi, Lundi River		11° 30' 00" S 32° 30' 00" E	2000 ft
Lunga (see West Lunga National Park)		12° 45' 00" S 24° 45' 00" E	
Lunga Game Reserve (see West Lunga National Park)		12° 45' 00" S 24° 45' 00" E	
Lunga Game Reserve No. 11 (see West Lunga National Park)		12° 45' 00" S 24° 45' 00" E	
Lunga pontoon, Kasempa district		13° 59' 00" S 26° 21' 00" E	1100 m
Lunhiu river, Balovale		13° 19' 00" S 23° 13' 00" E	
(see also: Lenhua, Rio , Linyuwe river, Lunyuwi river, Lunyuwi river)			
Lunyuwi river (see Lunhiu river), Balovale		13° 19' 00" S 23° 13' 00" E	
Lunyuwi river (see Lunhiu river), Balovale		13° 19' 00" S 23° 13' 00" E	
Lunzi river		11° 38' 00" S 32° 42' 00" E	
Luochi River (see Luachi River)		14° 59' 00" S 22° 27' 00" E	
Luombwa River		12° 30' 00" S 29° 55' 00" E	4000 ft
Lusaka		15° 25' 00" S 28° 17' 00" E	1270 m
Lusaka province		15° 25' 00" S 29° 00' 00" E	
Lusaka, 10 km NW (see Ngwerere cave)		15° 19' 00" S 28° 19' 00" E	1280 m
Lusaka, 10 mi [=16 km] S (see Chilanga)		15° 33' 00" S 28° 17' 00" E	1220 m
Lusaka, 14 mi [=22.5 km] NE (see Dzala Cave)		15° 26' 00" S 28° 20' 00" E	
Lusaka, 18 mi [=29 km] S		15° 40' 49" S 28° 17' 00" E	
Lusaka, 20 mi [=32 km] SW		15° 37' 30" S 28° 07' 30" E	
Lusaka, 20 mi [=32 km] SW (see CE Ltd., cave)		15° 37' 30" S 28° 07' 30" E	
Lusaka, 5 - 6 mi [=8 - 10 km] N-NE (see Kriel Farm)	ca.	15° 19' 11" S 28° 19' 55" E	
Lusaka, 7 km W		15° 25' 00" S 28° 06' 00" E	
Lusake, 6 mi [=9.7 km] NE		15° 25' 00" S 28° 21' 00" E	
Lusingazi Game Camp		13° 21' 00" S 31° 40' 00" E	
Lusiwashi valley		13° 02' 00" S 30° 43' 00" E	
Lutembue River (see Lutembwa River), near Fort Jameson		13° 40' 00" S 32° 45' 00" E	3800 ft
Lutembwa River, near Fort Jameson		13° 40' 00" S 32° 45' 00" E	3800 ft
(see also: Lutembue River)			
Lutembwe, Luangwa Valley		14° 22' 12" S 30° 22' 12" E	
Luwushi Stream		10° 00' 00" S 33° 00' 00" E	5500 ft
Machiya ferry (see Makiya ferry)		13° 42' 00" S 27° 36' 00" E	1115 m
Mafinga Mountains		9° 57' 00" S 33° 21' 00" E	1950 m
Magoye Forest Reserve		16° 00' 00" S 27° 40' 00" E	
(see also: Magoye research station)			
Magoye research station (see Magoye Forest Reserve)		16° 00' 00" S 27° 40' 00" E	
Makeni Farm, Lusaka, near		15° 31' 00" S 28° 10' 00" E	

Makiya ferry	13° 42' 00" S 27° 36' 00" E	1115 m
(see also: Machiya ferry)		
Makulu, mount, 15 km S Lusaka	15° 33' 00" S 28° 11' 00" E	
(see also: Mount Makulu)		
Makuto Mountains (see Makutu Mountains)	10° 25' 00" S 33° 15' 00" E	2070 m
Makutu Mountains	10° 25' 00" S 33° 15' 00" E	2070 m
(see also: Makuto Mountains)		
Mandala Camp (see Mandala School), Choma district	16° 31' 00" S 25° 56' 00" E	
Mandala School, Choma district	16° 31' 00" S 25° 56' 00" E	
(see also: Mandala Camp)		
Manhinga River (see Manyinga River)	13° 28' 00" S 24° 21' 00" E	
Maninga River (see Manyinga River)	13° 28' 00" S 24° 21' 00" E	
Mansa - Lubumbashi, between	11° 11' 00" S 28° 53' 00" E	
(see also: Fort Roseberry - Lubumbashi, between, Mbila - Lubumbashi, between, Roseberry - Lubumbashi, between)		
Manyinga River	13° 28' 00" S 24° 21' 00" E	
(see also: Manhinga River, Maninga River)		
Masali Mine	14° 05' 00" S 32° 59' 00" E	
Matabele plain	16° 25' 00" S 23° 08' 00" E	
(see also: Libala Lia Matabele, Libala Lya Matebele , Matebele plain)		
Matebele plain (see Matabele plain)	16° 25' 00" S 23° 08' 00" E	
Mazabuka	15° 52' 00" S 27° 46' 00" E	1101 m
(see also: Mazabuka Boma)		
Mazabuka Boma (see Mazabuka)	15° 52' 00" S 27° 46' 00" E	1101 m
Mbala	8° 50' 00" S 31° 23' 00" E	1656 m
(see also: Abercorn)		
Mbesuma (see Mbesuma Ranch)	10° 02' 00" S 31° 10' 00" E	1484 m
Mbesuma Farm (see Mbesuma Ranch)	10° 02' 00" S 31° 10' 00" E	1484 m
Mbesuma Ranch	10° 02' 00" S 31° 10' 00" E	1484 m
(see also: Mbesuma, Mbesuma Farm)		
Mbila - Lubumbashi, between (see Mansa - Lubumbashi, between)	11° 11' 00" S 28° 53' 00" E	
Mblundu River		
Mbulu Stream	8° 51' 00" S 31° 23' 00" E	5600 ft
Membe Highlands, Lundazi	11° 30' 00" S 33° 30' 00" E	5000 ft
Mfuwe [airfield]	13° 04' 00" S 31° 49' 00" E	
Mfuwe Game Camp	13° 05' 00" S 31° 47' 00" E	305 m
Mindola (see Mindolo dam), near Kitwe	12° 47' 00" S 28° 09' 00" E	ca. 1200 m
Mindolo dam, near Kitwe	12° 47' 00" S 28° 09' 00" E	ca. 1200 m
(see also: Mindola)		
Missale	14° 05' 00" S 32° 58' 00" E	
Missale Customs Post	14° 04' 00" S 33° 00' 00" E	
Missale Old Mine	14° 05' 00" S 32° 59' 00" E	
Mkwashi (see Mkwisi)	15° 54' 00" S 28° 36' 00" E	
Mkwesi (see Mkwisi)	15° 54' 00" S 28° 36' 00" E	
Mkwishi (see Mkwisi)	15° 54' 00" S 28° 36' 00" E	
Mkwisi	15° 54' 00" S 28° 36' 00" E	
(see also: Mkwashi, Mkwesi, Mkwishi, Mkwisi, Mukwishi, Mukwisi)		
Mkwisi (see Mkwisi)	15° 54' 00" S 28° 36' 00" E	
Mnyombe, Isoka		
Moemba village, Isoka district	10° 24' 00" S 33° 20' 00" E	1440 m
(see also: Mpemba village)		
Mombeshi river (see Mwombezhi river)	12° 52' 00" S 25° 59' 00" E	
Mombezhi river (see Mwombezhi river)	12° 52' 00" S 25° 59' 00" E	
Mongu	15° 15' 00" S 23° 08' 00" E	1009 m
(see also: Mungu)		
Mongu N.R., 10 mi [=16 km] N	15° 06' 00" S 23° 09' 00" E	1024 m
Mongu, 70 km NE (see Ndanda)	14° 58' 00" S 23° 45' 00" E	1086 m
Monze, 200 mi S N'Dola	16° 17' 00" S 27° 29' 00" E	1107 m
(see also: N'Dola, 200 mi [=322 km] S)		
Mount Makulu (see Makulu, mount), 15 km S Lusaka	15° 33' 00" S 28° 11' 00" E	
Mount Makulu Research Station	15° 37' 30" S 28° 07' 30" E	
Mpemba village (see Moemba village)	10° 24' 00" S 33° 20' 00" E	1440 m
Mpolokoso (see Mporokoso)	9° 23' 00" S 30° 08' 00" E	1380 m
Mpomwa Hills	13° 27' 00" S 32° 19' 00" E	
Mpomwa Hills, below	13° 22' 30" S 32° 22' 30" E	
Mporokoso	9° 23' 00" S 30° 08' 00" E	1380 m
(see also: Mpolokoso)		
Mporokoso Boma	9° 15' 00" S 30° 10' 00" E	4700 ft
Msosa (see Musosa)	8° 23' 00" S 29° 38' 00" E	976 m
Muchina province		
Muckle Neuk		
Mufulira district	12° 30' 00" S 28° 15' 00" E	

Mujimbe Hill, cave near			
Mukwishi (see Mkwisi)		15° 54' 00" S 28° 36' 00" E	
Mukwisi (see Mkwisi)		15° 54' 00" S 28° 36' 00" E	
Mumbwa		14° 59' 00" S 27° 04' 00" E	1151 m
Munali (see Munali School)		15° 23' 00" S 28° 21' 00" E	
Munali School		15° 23' 00" S 28° 21' 00" E	
(see also: Munali)			
Mungu (see Mongu)		15° 15' 00" S 23° 08' 00" E	1009 m
Musende Bay, Lake Tanganyika		8° 46' 00" S 31° 06' 00" E	
(see also: Musende Show)			
Musende Show (see Musende Bay), Lake Tanganyika		8° 46' 00" S 31° 06' 00" E	
Mushitv, headwaters interior of, Kanyale stream		10° 58' 00" S 24° 07' 00" E	
Musosa		8° 23' 00" S 29° 38' 00" E	976 m
(see also: Msosa)			
Muyombe		10° 35' 00" S 32° 28' 00" E	1401 m
Muzubuku			
Mwambeshi river (see Mwombezhi river)		12° 52' 00" S 25° 59' 00" E	
Mwanya		12° 43' 00" S 32° 15' 00" E	683 m
Mwekera [river], near Kitwe		12° 52' 00" S 28° 16' 00" E	
Mweru Marsh, Kangiri		8° 45' 00" S 29° 30' 00" E	
Mweru Marsh Game Reserve, Kangiri		8° 45' 00" S 29° 30' 00" E	
Mweru Wantipa, Kangiri		8° 45' 00" S 29° 30' 00" E	
Mweru Wantipa National Park, Kangiri		8° 45' 00" S 29° 30' 00" E	
Mweru Wantipa National Park No. 5, Kangiri		8° 45' 00" S 29° 30' 00" E	
Mwinilunga, on Sakeji Stream		11° 21' 00" S 24° 15' 00" E	4700 ft
Mwinilunga district		12° 00' 00" S 24° 35' 00" E	
Mwinilunga district		12° 00' 00" S 24° 35' 00" E	
Mwombezhi river		12° 52' 00" S 25° 59' 00" E	
(see also: Mombeshi river, Mombezhi river, Mwambeshi river)			
Mwombezi		12° 13' 00" S 25° 34' 00" E	1200 m
(see also: Mwombezi village)			
Nabwalia Village (see Nabwalya)		12° 24' 00" S 31° 59' 00" E	638 m
Nabwalya		12° 24' 00" S 31° 59' 00" E	638 m
(see also: Nabwalia Village)			
Naleza [hill]		15° 27' 00" S 27° 20' 00" E	
Nampini, near Victoria Falls	ca.	17° 55' 00" S 25° 52' 00" E	
Nampongwe [river], Lochinvar		15° 44' 00" S 27° 17' 00" E	
Natural Resources Development College, Lusaka, near		15° 23' 00" S 28° 22' 00" E	
Ndanda, 70 km NE Mongu		14° 58' 00" S 23° 45' 00" E	1086 m
(see also: Mongu, 70 km NE, Ndanda Dambo)			
Ndanda Dambo (see Ndanda), 70 km NE Mongu		14° 58' 00" S 23° 45' 00" E	1086 m
Ndanda School, Mongu, 70 km NE		14° 45' 00" S 23° 45' 00" E	
Ndola		12° 58' 00" S 28° 38' 00" E	1304 m
N'Dola, 200 mi [=322 km] S (see Monze)		16° 17' 00" S 27° 29' 00" E	1107 m
Ngiverone Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E	ca.	15° 19' 11" S 28° 19' 55" E	
(see Kriel Farm)			
Ngoma		15° 52' 35" S 25° 59' 21" E	1020 m
Ngwerere cave, 10 km NW Lusaka		15° 19' 00" S 28° 19' 00" E	1280 m
(see also: Lusaka, 10 km NW)			
Ngwerere Siding		15° 19' 00" S 28° 19' 00" E	
Ngwerere Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E	ca.	15° 19' 11" S 28° 19' 55" E	
(see Kriel Farm)			
Ngwerere Siding, near	ca.	15° 19' 12" S 28° 19' 12" E	
Nkana-Kitwe (see Kitwe), Mwekera		12° 59' 00" S 28° 12' 00" E	1212 m
Nkane-Kitwe (see Kitwe), Mwekera		12° 59' 00" S 28° 12' 00" E	1212 m
North Luangwa National Park		12° 06' 40" S 32° 06' 20" E	
North Sumbu Island		11° 05' 00" S 29° 45' 00" E	
Northern province			
North-Western province			
Northwestern Zambia			
Nsadzu		14° 04' 00" S 32° 20' 00" E	1040 m
Nsefu Game Camp (see Nyika Plateau)		12° 57' 00" S 32° 00' 00" E	
Nsefu Game Reserve		12° 57' 00" S 32° 00' 00" E	
(see also: Nsefu Game Sactuary)			
Nsefu Game Sactuary (see Nsefu Game Reserve)		12° 57' 00" S 32° 00' 00" E	
Nsombo		10° 49' 00" S 29° 57' 00" E	1175 m
Nyabikwa Kabompo confluence		12° 45' 00" S 24° 45' 00" E	
Nyansowe stream		12° 14' 00" S 25° 34' 00" E	
Nyika Plateau		10° 38' 00" S 33° 15' 00" E	
(see also: Nsefu Game Camp)			
Nyimba and Chipata, between		14° 00' 00" S 32° 00' 00" E	
(see also: Nyimba and Fort Jameson, between)			
Nyimba and Fort Jameson, between (see Nyimba and Chipata, between)		14° 00' 00" S 32° 00' 00" E	
Petauke		14° 15' 00" S 31° 20' 00" E	939 m

Pwira Pan		13° 54' 00" S 27° 51' 00" E	
Reitfontein (see Rietfontein Farm), Lusaka, near		15° 28' 00" S 28° 43' 00" E	
Rietfontein Farm, Lusaka, near (see also: Reitfontein)		15° 28' 00" S 28° 43' 00" E	
Roseberry - Lubumbashi, between (see Mansa - Lubumbashi, between)		11° 11' 00" S 28° 53' 00" E	
Sakei stream, headwaters (see Sakeji stream, headwaters)		11° 21' 00" S 24° 15' 00" E	436 m
Sakeji stream, headwaters (see also: Sakei stream, headwaters, Sekezhi stream, headwaters)		11° 21' 00" S 24° 15' 00" E	436 m
Salujinga		10° 58' 00" S 24° 07' 00" E	1324 m
Samfya		11° 21' 00" S 29° 33' 00" E	1154 m
Sasare Old Mine, Petauke district		13° 55' 00" S 31° 22' 00" E	
Sekezhi stream, headwaters (see Sakeji stream, headwaters)		11° 21' 00" S 24° 15' 00" E	436 m
Senanga (see also: Senanza)		16° 07' 00" S 23° 16' 00" E	967 m
Senanza (see Senanga)		16° 07' 00" S 23° 16' 00" E	967 m
Senenga, 50 km NE		15° 37' 12" S 23° 22' 12" E	
Senenga, 59 km NE		15° 37' 12" S 23° 22' 12" E	
Shikundulu river (see Chikundulu river)		12° 57' 00" S 24° 14' 00" E	
Shupanga, Zambezi			
Sihole		15° 21' 00" S 22° 33' 00" E	1054 m
Sikongo, Barotseland		15° 01' 00" S 22° 10' 00" E	1026 m
Sililo		14° 16' 00" S 22° 29' 00" E	1028 m
Sinzu Mountain (see Sunzu Mountain), Mbala [=Abercorn]		9° 03' 00" S 31° 30' 00" E	5500 ft
Sioma Bush Camp		16° 45' 03" S 23° 25' 13" E	
Solwezi (see also: Solwezi Boma)		12° 11' 00" S 26° 24' 00" E	1366 m
Solwezi Boma (see Solwezi)		12° 11' 00" S 26° 24' 00" E	1366 m
Solwezi district		12° 25' 00" S 26° 00' 00" E	1200 m
Southern province			
Sumbu		8° 31' 00" S 30° 29' 00" E	763 m
Sunsu Mountain (see Sunzu Mountain), Mbala [=Abercorn]		9° 03' 00" S 31° 30' 00" E	5500 ft
Sunza Mountain (see Sunzu Mountain), Mbala [=Abercorn]		9° 03' 00" S 31° 30' 00" E	5500 ft
Sunzu Mountain, Mbala [=Abercorn] (see also: Sinzu Mountain, Sunsu Mountain, Sunza Mountain)		9° 03' 00" S 31° 30' 00" E	5500 ft
Tembwe village		11° 21' 41" S 32° 53' 16" E	1020 m
Wenela, Kalabo		15° 00' 00" S 22° 37' 00" E	
West Lunga National Park (see also: Lunga, Lunga Game Reserve, Lunga Game Reserve No. 11, West Lunga National Park No. 14)		12° 45' 00" S 24° 45' 00" E	
West Lunga National Park No. 14 (see West Lunga National Park)		12° 45' 00" S 24° 45' 00" E	
Western province			
Wusikili Bridge, Kitwe		12° 51' 00" S 28° 13' 00" E	
Zambezi (see also: Balovale)		13° 33' 00" S 23° 07' 00" E	1090 m
Zambezi Farm, confluence of Kafue and Zambezi rivers, near Chirundu	ca.	15° 56' 30" S 28° 54' 45" E	
Zambezi rapids, Ikelempe		10° 59' 00" S 24° 02' 00" E	
Zambezi River, Balovale		13° 33' 00" S 23° 07' 00" E	
Zambia			
Zinglume		13° 40' 00" S 32° 40' 00" E	3800 ft

Zimbabwe:

Ada Estates, Muzarabani		16° 22' 30" S 31° 07' 30" E	
Alaska Mine, 10 mi [=16 km] N (see Manyambara)		17° 00' 00" S 29° 30' 00" E	
Amanza Tunqayo (see Victoria Falls), Dibutibu River, Batoka		17° 55' 00" S 25° 51' 00" E	
Angwa bridge, 7 km SW		17° 15' 00" S 30° 00' 00" E	
Angwa River			
Asbestos Mine, Mutare		18° 55' 12" S 32° 37' 12" E	
Atlantica Ecological Research Station		17° 53' 00" S 30° 47' 00" E	
Avondale West		17° 46' 57" S 31° 01' 27" E	
Baruka cave, 10 mi [=16 km] N(W) Sinoia (see also: Chinhoyi, 10 mi [=16 km] N(W), Orchid cave, Sinoia, 10 mi [=16 km] N(W))		17° 22' 12" S 30° 04' 48" E	
Baruri Gorge		17° 37' 30" S 27° 52' 30" E	

Bashungwe Cave, Chinhoyi (see also: Bashungwi Cave, Zemaiwi Cave)		17° 12' 00" S 29° 13' 00" E	
Bashungwi Cave (see Bashungwe Cave), Chinhoyi		17° 12' 00" S 29° 13' 00" E	
Batoka Gorge, Dibutibu River		17° 56' 00" S 26° 15' 00" E	
Bembesi		20° 00' 00" S 28° 45' 00" E	
Benzies Bridge, Shangani River (see also: Benzie's Bridge)		18° 48' 00" S 27° 54' 00" E	
Benzie's Bridge (see Benzies Bridge), Shangani River		18° 48' 00" S 27° 54' 00" E	
Bezwe river, tributary of Wanetsi River		21° 30' 00" S 31° 10' 01" E	
Bikita		20° 05' 00" S 31° 37' 00" E	986 m
Bindura (see also: Bindura Town, Kimberley Reefs)		17° 17' 47" S 31° 19' 47" E	1070 m
Bindura Town (see Bindura)		17° 17' 47" S 31° 19' 47" E	1070 m
Bindura, 10 km SSW (see Chikupo cave)		17° 23' 00" S 31° 17' 00" E	
Birchenough Bridge (see also: Birchenough Bridge Hotel)		19° 58' 00" S 32° 20' 00" E	493 m
Birchenough Bridge Hotel (see Birchenough Bridge)		19° 58' 00" S 32° 20' 00" E	493 m
Birchenough Bridge Hotel, 7 mi [=11 km] W (see Birchenough Bridge, 11.2 km W)		19° 57' 00" S 32° 14' 00" E	
Birchenough Bridge, 11.2 km W (see also: Birchenough Bridge Hotel, 7 mi [=11 km] W)		19° 57' 00" S 32° 14' 00" E	
Birchenough Bridge, 8.2 km E	ca.	19° 57' 58" S 32° 24' 25" E	
Bonda Mission		18° 26' 49" S 32° 35' 39" E	
Borrowdale Brooke		17° 42' 49" S 31° 08' 42" E	
Braeside		17° 50' 34" S 31° 03' 51" E	1477 m
Bubi district		19° 30' 00" S 28° 45' 00" E	
Buchwa Iron Mine		20° 28' 12" S 30° 09' 00" E	
Buffalo Bend		21° 56' 00" S 31° 29' 00" E	
Bulawayo		20° 09' 00" S 28° 35' 00" E	1351 m
Bulawayo province			
Bulawayo Swamps	ca.	20° 05' 00" S 28° 30' 00" E	
Bulawayo, 16 km S		20° 19' 00" S 28° 43' 00" E	
Bulawayo, 20 km N			
Bulldog Mine, Mutare		18° 45' 00" S 32° 30' 00" E	
Bumbusie Gorge		18° 37' 30" S 26° 07' 30" E	
Camp-Katembora	ca.	17° 51' 00" S 25° 27' 00" E	
Chamatema Dam	ca.	22° 20' 00" S 31° 06' 00" E	
Chete			
Chete Safari Area, Eastern Section		17° 22' 00" S 27° 37' 00" E	
Chewore/Zambezi Confluence		15° 37' 30" S 29° 52' 30" E	
Chibero, 5 km NNW (see Tetse fly gate), Kariba district, Kanyati Communial land			
Chibiribira Falls (see Chivirira Falls)		21° 12' 00" S 32° 18' 00" E	
Chikore			
Chikupo cave, 10 km SSW Bindura (see also: Bindura, 10 km SSW, Chikupo caves area, Chikupu caves)		17° 23' 00" S 31° 17' 00" E	
Chikupo cave, 19 km W		17° 24' 00" S 31° 19' 00" E	
Chikupo caves area (see Chikupo cave)		17° 35' 00" S 31° 35' 00" E	
Chikupu caves (see Chikupo cave), 10 km SSW Bindura		17° 23' 00" S 31° 17' 00" E	
Chikwarakwara [school] (see also: Chikwarakwara Irrigation Scheme)		22° 18' 00" S 31° 06' 00" E	
Chikwarakwara Irrigation Scheme (see Chikwarakwara [school])		22° 18' 00" S 31° 06' 00" E	
Chimanda CL (see Chimanda Tribal Trust Land), Mazoe River		16° 40' 00" S 32° 15' 00" E	
Chimanda Reserve (see Chimanda Tribal Trust Land), Mazoe River		16° 40' 00" S 32° 15' 00" E	
Chimanda Tribal Trust Land, Mazoe River (see also: Chimanda CL, Chimanda Reserve)		16° 40' 00" S 32° 15' 00" E	
Chimanimani National Park		19° 55' 00" S 33° 01' 00" E	
Chimsoro Cave (see Munyati)		18° 39' 00" S 29° 47' 00" E	1064 m
Chindamore Native Reserve (see Masembura Tribal Trust Land)		17° 25' 00" S 31° 15' 00" E	
Chingamwe Estates, Eastern Highlands, 15 km SE Juliesdale (see also: Juliesdale, 15 km SE)		18° 29' 00" S 32° 44' 00" E	
Chinhoyi, 70 mi W Salisbury (see also: Chinoyi, Sinoia)		17° 22' 00" S 30° 12' 00" E	1186 m
Chinhoyi Caves, Chinhoyi (see also: Chinoyi Caves, Orchid Cave, Sinoia Caves)		17° 22' 00" S 30° 12' 00" E	1186 m
Chinhoyi, 10 mi [=16 km] N(W) (see Baruka cave)		17° 22' 12" S 30° 04' 48" E	
Chino Timba (see Victoria Falls), Dibutibu River, Batoka		17° 55' 00" S 25° 51' 00" E	
Chinoyi (see Chinhoyi)		17° 22' 00" S 30° 12' 00" E	1186 m

Chinoyi Caves (see Chinhoyi Caves)		17° 22' 00" S 30° 12' 00" E	1186 m
Chipinda Pools		21° 18' 00" S 31° 56' 00" E	
Chipinga (see Chipinge)		20° 12' 00" S 32° 37' 00" E	1015 m
Chipingayi Bridge, Save Valley		20° 07' 00" S 32° 22' 00" E	
Chipinge		20° 12' 00" S 32° 37' 00" E	1015 m
(see also: Chipinga)			
Chiredzi, Buffalo Range		21° 03' 00" S 31° 40' 00" E	437 m
Chiredzi, 24 km E		21° 03' 00" S 31° 46' 00" E	
Chiribira Falls (see Chivirira Falls)		21° 12' 00" S 32° 18' 00" E	
Chirinda		19° 05' 55" S 31° 40' 49" E	
Chirinda Forest, Mount Silinda		20° 26' 00" S 32° 42' 00" E	
Chirinda Pools		21° 22' 30" S 31° 52' 30" E	
Chirisa Cave (see Chitisa Cave)		17° 41' 00" S 28° 24' 00" E	
Chirisa Game Reserve		17° 55' 00" S 28° 15' 00" E	
(see also: Chirisa Safari Area)			
Chirisa Safari Area (see Chirisa Game Reserve)		17° 55' 00" S 28° 15' 00" E	
Chitisa Cave		17° 41' 00" S 28° 24' 00" E	
(see also: Chirisa Cave)			
Chitove Tsetse Camp		21° 07' 30" S 32° 07' 30" E	
Chivi Communal Land (see Chivi District)		20° 30' 00" S 30° 35' 00" E	
Chivi District		20° 30' 00" S 30° 35' 00" E	
(see also: Chivi Communal Land)			
Chivirira Falls		21° 12' 00" S 32° 18' 00" E	
(see also: Chibiribira Falls, Chiribira Falls)			
Chiwore Safari Area		16° 07' 30" S 30° 07' 30" E	
Chizarira Game Reserve		17° 47' 00" S 27° 53' 00" E	
(see also: Chizarira National Park)			
Chizarira National Park (see Chizarira Game Reserve)		17° 47' 00" S 27° 53' 00" E	
Chizarira-Mcheni Gorge		17° 36' 00" S 27° 50' 00" E	
Christon Bank		17° 36' 00" S 31° 00' 00" E	
Churugwi (see Shurugwi)		19° 40' 00" S 30° 00' 00" E	1501 m
Colleen Bawn		21° 00' 00" S 29° 13' 00" E	964 m
Collins Farm, near Atlantica Ecological Research Station	ca.	17° 53' 00" S 30° 47' 00" E	
Concession, 10 km NW	ca.	17° 23' 00" S 30° 57' 00" E	
Cotswold farm, near Kwe Kwe		18° 52' 30" S 29° 52' 30" E	
Cranborne Park		17° 51' 04" S 31° 04' 43" E	
Crowborough Sewage Works		17° 50' 27" S 30° 56' 02" E	
Cyrene			
Dagati Pan		21° 07' 12" S 31° 52' 12" E	
Dahlia, 4 mi [=6.5 km] E, Gwaai river	ca.	18° 37' 40" S 27° 12' 49" E	
Dahlia, 5 mi [=8 km] W		18° 35' 00" S 27° 08' 00" E	914 m
Dawn Hill Mine, Mwenezi		17° 49' 07" S 31° 07' 01" E	
Dawsons (see Mvurwi), Nyamunyeche		17° 02' 00" S 30° 51' 00" E	1451 m
Deka, Zambezi confluence		18° 05' 00" S 26° 38' 00" E	
Dete, Hwange Safari Lodge		18° 37' 00" S 26° 52' 00" E	914 m
(see also: Dett)			
Dett (see Dete)		18° 37' 00" S 26° 52' 00" E	914 m
Dett, 15 mi [=24 km] E (see Wankie Tribal Trust Land)		18° 10' 00" S 26° 45' 00" E	3000 ft
Devure river		19° 57' 20" S 32° 15' 01" E	
Dichwe [river]		16° 50' 00" S 30° 28' 00" E	
Dinosaur Trackway		16° 07' 30" S 30° 07' 30" E	
Doddieburn Farm, West Nickolson		21° 28' 00" S 29° 24' 00" E	
Driefontein		19° 28' 00" S 29° 45' 00" E	
Dumbu Pan		16° 52' 00" S 28° 22' 00" E	
Dwala Farm (see Dwala Ranch), Bubiana River		21° 05' 00" S 29° 43' 00" E	
Dwala Ranch, Bubiana River		21° 05' 00" S 29° 43' 00" E	
(see also: Dwala Farm)			
Eirene farm, S of Marondera		18° 23' 00" S 31° 37' 00" E	
(see also: Irene Farm)			
Eirene farm (see Marondera)		18° 11' 00" S 31° 33' 00" E	1688 m
Elizabeth lake (see Kariba, lake)		17° 00' 00" S 28° 00' 00" E	
Esigodini, Falcon College		20° 18' 00" S 28° 56' 00" E	1183 m
(see also: Essexvale)			
Essexvale (see Esigodini)		20° 18' 00" S 28° 56' 00" E	1183 m
Eyerston Farm		17° 56' 37" S 31° 03' 22" E	1450 m
Fairbridge Park, Mutare		18° 57' 22" S 32° 38' 39" E	
Fairfield park, Uvumba		19° 23' 00" S 30° 32' 00" E	
Falls road, 6 km W Gwai Bridge		18° 37' 00" S 27° 06' 00" E	
(see also: Gwai Bridge, 6 km W)			
Fern Valley, Umtali		19° 03' 00" S 32° 39' 00" E	
Feruka, Mutare		18° 52' 48" S 32° 37' 48" E	
Filabusi, 22 km W (see Ingwe Mine)		20° 37' 00" S 29° 22' 00" E	
Fort Cottage	ca.	18° 15' 25" S 32° 44' 37" E	
Fort Rixon, Makovani Estate		20° 01' 00" S 29° 16' 00" E	1337 m
Fort Victoria, 25 km SE (see Great Zimbabwe [ruins]),		20° 17' 00" S 30° 56' 00" E	
Fort Victoria, 25 km SE			

Fort Victoria, 32.2 km SE (see Retreat Farm)		20° 14' 00" S 31° 02' 00" E	
Francis Town, 20 km N		21° 07' 00" S 27° 37' 00" E	
Frog Mine, Mupfure [=Umfuli] River		17° 55' 00" S 29° 50' 00" E	
Frogmore, Mashona		17° 06' 00" S 30° 59' 00" E	
Gamu (see Ngamo Pans)		19° 08' 00" S 27° 27' 00" E	
Garden Cave (see Great Zimbabwe [ruins])		20° 17' 00" S 30° 56' 00" E	
Gatshe Gatshe Bay, Lake Kariba		16° 52' 00" S 28° 52' 00" E	
Gem Tree Ranch, Que-Que, Rhodesdale (see also: Sebakwe River)	ca.	18° 55' 00" S 30° 50' 00" E	
Gimboki, Mutare		19° 01' 12" S 32° 34' 48" E	
Gleneagles Estate, Inyanga		18° 17' 00" S 32° 54' 00" E	
Gokwe		18° 13' 00" S 28° 56' 47" E	
Gokwe, 75 km W (see Sengwa Wildlife Research Area)		18° 10' 00" S 28° 13' 00" E	
Gona-Re-Zhou National Park (see also: GonareZhou National Park, Gona-Re-Zhowe National Park)		21° 40' 00" S 31° 45' 00" E	
GonareZhou National Park (see Gona-Re-Zhou National Park), GonareZhou		21° 40' 00" S 31° 45' 00" E	
Gona-Re-Zhowe National Park (see Gona-Re-Zhou National Park), GonareZhou		21° 40' 00" S 31° 45' 00" E	
Gordon Park		20° 28' 00" S 28° 32' 00" E	
Gorgman			
Gourlay Ranch (see Gourlays Block), Lonely Mine		19° 17' 00" S 28° 40' 00" E	
Gourlays Block, Lonely Mine (see also: Gourlay Ranch)		19° 17' 00" S 28° 40' 00" E	
Great Zimbabwe [ruins], 25 km SE Fort Victoria (see also: Fort Victoria, 25 km SE, Garden Cave, Zimbabwe Ruins)		20° 17' 00" S 30° 56' 00" E	
Greendale		17° 48' 51" S 31° 07' 38" E	
Guluene Corridor South		21° 52' 00" S 31° 52' 00" E	
Gurungwe (Farm)		16° 44' 31" S 30° 49' 48" E	
Gutu Mission		19° 39' 00" S 31° 13' 00" E	
Gwai Bridge, 6 km W (see Falls road)		18° 37' 00" S 27° 06' 00" E	
Gwai Bridge, 6 km W on falls road		18° 37' 00" S 27° 06' 00" E	
Gwai River farms (see Volunteer farms), near Gwayi river		18° 45' 00" S 27° 20' 00" E	
Gwanda (see also: Jawunda)		20° 56' 00" S 29° 00' 00" E	965 m
Gwayi River, 1 km N		18° 37' 00" S 27° 10' 00" E	
Gwelo (see Gweru)		19° 27' 00" S 29° 49' 00" E	
Gweru (see also: Gwelo)		19° 27' 00" S 29° 49' 00" E	
Gwingingwi farm, Mutare			
Happy Valley Farm, 16 km S Bulawayo		20° 17' 00" S 28° 41' 00" E	
Harare (see also: Harare Centre, Harare, 19 km NW, Salisbury)		17° 49' 04" S 31° 02' 41" E	1480 m
Harare Centre (see Harare)		17° 49' 04" S 31° 02' 41" E	1480 m
Harare province			
Harare, 19 km NW (see Harare)			
Harare, 20 mi [=32 km] N (see Henderson Research Station)		17° 37' 12" S 30° 52' 12" E	
Harare, 25 km W (see Lion and Cheetah Park)		17° 23' 00" S 31° 17' 00" E	
Harare, 26 km W (see Kilworth Estate)		17° 50' 00" S 30° 47' 00" E	
Harare, 70 mi [=113 km] W		17° 22' 00" S 30° 12' 00" E	1186 m
Haroni-Lusitu Beacon 74			
Haroni-Lusitu confluence	ca.	20° 01' 00" S 33° 01' 00" E	
Hatfield		17° 52' 20" S 31° 05' 44" E	
Helensvale		17° 43' 45" S 31° 08' 42" E	1366 m
Henderson Research Station, 20 mi [=32 km] N Salisbury (see also: Harare, 20 mi [=32 km] N, Salisbury, 20 mi [=32 km] N)		17° 37' 12" S 30° 52' 12" E	
Highlands (see also: Highlands Estate)		17° 47' 41" S 31° 06' 31" E	
Highlands Estate (see Highlands)		17° 47' 41" S 31° 06' 31" E	
Hippo Valley		21° 10' 00" S 31° 33' 00" E	
Homestake [mine] (see The Homestead [mine]), Esigodini		20° 12' 00" S 28° 54' 00" E	
Homestead [mine] (see The Homestead [mine]), Esigodini		20° 12' 00" S 28° 54' 00" E	
Hostes Nicoll Research Institute (see also: Hostes Nicolle Institute, Hostes Nicolle Institute of Wildlife Research)		18° 10' 00" S 28° 13' 00" E	
Hostes Nicolle Institute (see Hostes Nicoll Research Institute)		18° 10' 00" S 28° 13' 00" E	
Hostes Nicolle Institute of Wildlife Research (see Hostes Nicoll Research Institute)		18° 10' 00" S 28° 13' 00" E	
Hostes Nicolle Institute, near, Sebungwe; Sengwa river		18° 09' 00" S 28° 12' 00" E	
Hoya River Camp, Muzarabani Communal Land		16° 27' 00" S 31° 29' 00" E	

Humane Ranch		20° 31' 00" S 32° 16' 00" E	411 m
Hunyani Dam	ca.	17° 53' 00" S 30° 46' 00" E	
Hwange (see Hwange National Park)		19° 10' 00" S 26° 30' 00" E	914 m
Hwange (see Wankie Tribal Trust Land), 15 mi E Dett		18° 10' 00" S 26° 45' 00" E	3000 ft
Hwange National Park		19° 10' 00" S 26° 30' 00" E	914 m
(see also: Hwange, Robins Game Reserve, Wankie Game Reserve, Wankie National Park)			
Ingorima Reserve (see Ngorima Tribal Trust Land), Melsetter district, Manicaland		20° 05' 00" S 32° 53' 00" E	
Ingwe Mine, 22 km W Filabusi		20° 37' 00" S 29° 22' 00" E	
(see also: Filabusi, 22 km W)			
Ingwesi Farm, Syringa		21° 02' 00" S 27° 58' 00" E	
(see also: Ingwesi Ranch)			
Ingwesi Ranch (see Ingwesi Farm), Syringa		21° 02' 00" S 27° 58' 00" E	
Inyanga		18° 13' 00" S 32° 45' 00" E	1737 m
(see also: Nyanga)			
Inyanga National Park (see Rhodes Inyanga National Park)		18° 17' 00" S 32° 48' 00" E	
Inyantue (see Inyantue Siding)		18° 33' 00" S 26° 40' 00" E	
Inyantue Siding		18° 33' 00" S 26° 40' 00" E	
(see also: Inyantue, Nyantue)			
Inyazura (see Nyazura)		18° 43' 00" S 32° 10' 00" E	1219 m
Irene Farm (see Eirene farm), S of Marandellas		18° 23' 00" S 31° 37' 00" E	
Iron Mask Hills cave, Mazowe		17° 03' 42" S 30° 57' 48" E	
Jawunda (see Gwanda)		20° 56' 00" S 29° 00' 00" E	965 m
Jeff Estate, Mutare		18° 58' 12" S 32° 36' 36" E	
Juliesdale, 15 km SE (see Chingamwe Estates)		18° 29' 00" S 32° 44' 00" E	
Kabuba Camp, Manjolo Communal Land		17° 56' 00" S 27° 39' 00" E	
Kama Zuma township		17° 50' 00" S 31° 03' 00" E	
Kambuzuma Township		17° 51' 16" S 30° 58' 02" E	1444 m
Kana Block, Shangani River		18° 37' 00" S 27° 22' 00" E	
Kandaha Fishing Camp		17° 51' 51" S 25° 46' 48" E	
Kanjedza River		16° 52' 30" S 28° 37' 30" E	
Kanona, 32 mi [=51.5 km] NE			
Kanona, 42 mi [=68 km] SW			
Kanyemba		15° 42' 00" S 30° 19' 00" E	497 m
Kapovka, mount			
Kariba		16° 31' 00" S 28° 48' 00" E	618 m
Kariba reservoir (see Kariba, lake)		17° 00' 00" S 28° 00' 00" E	
Kariba, 6 km E		16° 32' 00" S 28° 52' 00" E	
Kariba, island in lake		16° 52' 30" S 28° 22' 30" E	
Kariba, lake		16° 52' 00" S 28° 22' 00" E	
Kariba, lake		17° 00' 00" S 28° 00' 00" E	
(see also: Elizabeth lake, Kariba reservoir, Lake Elizabeth, Lake Kariba)			
Kariba, lake		17° 07' 00" S 27° 52' 00" E	
Karna Block Ranch, Lupane			
Karoi		16° 49' 00" S 29° 41' 00" E	1285 m
(see also: Karoyi)			
Karoyi (see Karoi)		16° 49' 00" S 29° 41' 00" E	1285 m
Katombora Rapids		17° 51' 00" S 25° 24' 00" E	
Kaukua Cave, Chinhoyi		17° 01' 01" S 30° 05' 00" E	
Kilworth Estate, 26 km W Salisbury		17° 50' 00" S 30° 47' 00" E	
(see also: Harare, 26 km W, Lake McIlwaine, 2 mi [=3.2 km] N, McIlwaine, 2 mi [=3.2 km] N of Lake, Rusper Farm, Salisbury, 26 km W)			
Kimberley Reefs (see Bindura)		17° 17' 47" S 31° 19' 47" E	1070 m
Kingsway, Salisbury		17° 49' 00" S 31° 03' 00" E	ca. 1481 m
Kudzwe dam		16° 47' 00" S 32° 31' 00" E	
Kudzwe river, near		16° 47' 00" S 32° 31' 00" E	
Kutanga Hippo V. Estates		21° 07' 30" S 31° 37' 30" E	
Kyle Dam Forest Reserve (see Kyle National Park)		20° 11' 00" S 31° 01' 00" E	
Kyle Dam Game Reserve (see Kyle National Park)		20° 11' 00" S 31° 01' 00" E	
Kyle Dam National Park (see Kyle National Park)		20° 11' 00" S 31° 01' 00" E	
Kyle Game Reserve (see Kyle National Park)		20° 11' 00" S 31° 01' 00" E	
Kyle National Park		20° 11' 00" S 31° 01' 00" E	
(see also: Kyle Dam Forest Reserve, Kyle Dam Game Reserve, Kyle Dam National Park, Kyle Game Reserve)			
Lake Elizabeth (see Kariba, lake)		17° 00' 00" S 28° 00' 00" E	
Lake Kariba (see Kariba, lake)		17° 00' 00" S 28° 00' 00" E	
Lake McIlwaine, 2 mi [=3.2 km] N (see Kilworth Estate)		17° 50' 00" S 30° 47' 00" E	
Lake McIlwaine (see McIlwaine, lake), Harare		17° 54' 00" S 30° 47' 00" E	
Lanninghurst mine, 4 mi [=7.2 km] (W)NW Nicholson		21° 04' 00" S 29° 23' 00" E	
Le Rhone Lodge, Lake Kyle			
Leopard Rock Hotel		19° 08' 00" S 32° 47' 00" E	

Limpopo River	ca.	22° 18' 00" S 30° 40' 00" E	
Limpopo Valley, Sentinal Ranch (see Limpopo Valley, Sentinel Ranch)		22° 07' 30" S 29° 22' 30" E	
Limpopo Valley, Sentinel Ranch (see also: Limpopo Valley, Sentinal Ranch)		22° 07' 30" S 29° 37' 30" E	
Lion and Cheetah Park, 25 km W Harare (see also: Harare, 25 km W)		17° 23' 00" S 31° 17' 00" E	
Lomagundi, Urungu river		16° 00' 00" S 30° 15' 00" E	
Lone Star Ranch (see also: Malilangwe Conservancy)		21° 05' 00" S 31° 54' 00" E	
Lumane Falls, Matopo Hills		20° 37' 30" S 28° 52' 30" E	
Lunare valley, Eastern Matopos		20° 36' 00" S 28° 52' 00" E	
Lunzi River, NE Rhodesia, Loangwa Valley, Lundazi district			
Lusulu Tsetse Station, Sebungwe		18° 07' 00" S 27° 52' 00" E	
Lutope and Sengwa Rivers confluence, Sengwe	ca.	18° 10' 00" S 28° 13' 00" E	
Mabalanta Camp		21° 40' 00" S 31° 45' 00" E	
Mabalauta Camp		21° 56' 00" S 31° 28' 00" E	
Mabura 1 Cave (see Ngondoma), Ngondoma River		18° 28' 00" S 29° 03' 00" E	
Mabura 2 Cave, Gokwe CL, Munyati River		18° 07' 00" S 29° 22' 00" E	
MacDougall's Tunnel (see Triangle Ranch)		21° 05' 00" S 31° 28' 00" E	
Maduni Dumela		19° 10' 00" S 26° 30' 00" E	
Magurazino River		17° 45' 00" S 28° 27' 00" E	
Main Camp		18° 37' 30" S 26° 52' 30" E	
Makalowa			
Makurupini River	ca.	19° 55' 00" S 33° 01' 00" E	
Malapati Game Reserve (see also: Malapati Safari Area)		21° 55' 49" S 31° 23' 46" E	
Malapati Nuanetsi River		22° 04' 00" S 31° 26' 00" E	
Malapati Safari Area (see Malapati Game Reserve)		21° 55' 49" S 31° 23' 46" E	
Maleme Valley, Matopo Hills		20° 50' 00" S 28° 43' 00" E	
Malilangwe Conservancy (see Lone Star Ranch)		21° 05' 00" S 31° 54' 00" E	
Malve, Serenje district			
Mana Pools Camp (see Nyamepi Camp)		15° 43' 00" S 29° 22' 00" E	
Mana Pools Game Reserve (see Mana Pools Parks and Wildlife Land)		15° 44' 00" S 29° 21' 00" E	365 m
Mana Pools National Park (see Mana Pools Parks and Wildlife Land)		15° 44' 00" S 29° 21' 00" E	365 m
Mana Pools National Park, HQ		15° 43' 00" S 29° 10' 00" E	
Mana Pools Parks and Wildlife Land (see also: Mana Pools Game Reserve, Mana Pools National Park)		15° 44' 00" S 29° 21' 00" E	365 m
Manchester Gardens (see Vumba National Park)		19° 05' 00" S 32° 45' 00" E	
Manchester National Park (see Vumba National Park)		19° 05' 00" S 32° 45' 00" E	
Manicaland province			
Manyambara, 10 mi [=16 km] N Alaska Mine (see also: Alaska Mine, 10 mi [=16 km] N)		17° 00' 00" S 29° 30' 00" E	
Manyima River		16° 03' 00" S 30° 21' 00" E	
Manzituba		17° 43' 00" S 27° 51' 00" E	
Marandellas (see Marondera)		18° 11' 00" S 31° 33' 00" E	1688 m
Marandellas, near	ca.	18° 11' 00" S 31° 33' 00" E	
Mareppa Mine		19° 15' 00" S 27° 42' 00" E	
Marondera (see also: Eirene farm, Marandellas)		18° 11' 00" S 31° 33' 00" E	1688 m
Martin Forest Area (see also: Martin Forest Reserve)		19° 42' 00" S 32° 56' 00" E	
Martin Forest Reserve (see Martin Forest Area)		19° 42' 00" S 32° 56' 00" E	
Marymount mission, Bopoma gorge		16° 40' 00" S 32° 26' 00" E	
Masembura Native Reserve (see Masembura Tribal Trust Land)		17° 25' 00" S 31° 15' 00" E	
Masembura Tribal Trust Land (see also: Chindamore Native Reserve, Masembura Native Reserve)		17° 25' 00" S 31° 15' 00" E	
Mashonaland Central province			
Mashonaland East province			
Mashonaland West province			
Mashunga Hande Dam, Katchuta, Mangula		16° 19' 00" S 30° 26' 00" E	
Masingwa River (see also: Musingwa River)		16° 10' 00" S 31° 30' 00" E	
Masvingo province			
Masvingo, 160 km NE, Save River			
Matabeleland North province (see Matebeleland North province)			
Matabeleland South province (see Matebeleland South province)			

Matebeleland North province			
(see also: Matabeleland North province)			
Matebeleland South province			
(see also: Matabeleland South province)			
Matema Camp		20° 07' 00" S 30° 37' 00" E	
Matetsi (see Matetsi Siding)		18° 16' 00" S 25° 56' 00" E	
Matetsi Siding		18° 16' 00" S 25° 56' 00" E	
(see also: Matetsi)			
Matobo National Park (see Rhodes Matopos Nature Park)		20° 33' 00" S 28° 33' 00" E	
Matombo (see Rhodes Matopos Nature Park)		20° 33' 00" S 28° 33' 00" E	
Matopo, Mtshabezi Valley		20° 25' 00" S 28° 29' 00" E	
Matopos, 6.5 mi [=10 km] S (see Mineral King Farm)		20° 29' 33" S 28° 27' 05" E	
Matusadona, Tashinga		16° 52' 30" S 28° 22' 30" E	
Matusadona National Park, Nyanumi River		16° 52' 30" S 28° 37' 30" E	
Mavuradona, on Tingwa River			
Mazoe (see Mazowe)		17° 31' 00" S 30° 58' 00" E	1231 m
Mazoe Citrus Estate (see Mazoe Citrus School)		17° 27' 19" S 31° 01' 52" E	
Mazoe Citrus School		17° 27' 19" S 31° 01' 52" E	
(see also: Mazoe Citrus Estate)			
Mazowe		17° 31' 00" S 30° 58' 00" E	1231 m
(see also: Mazoe)			
Mberengwa Mountain		20° 37' 30" S 29° 52' 30" E	
Mcheni Gorge (see Mucheni Gorge)	ca.	17° 40' 00" S 27° 52' 00" E	
Mchesu River		17° 37' 30" S 27° 37' 30" E	
McIlwaine, 2 mi [=3.2 km] N of Lake (see Kilworth Estate)		17° 50' 00" S 30° 47' 00" E	
McIlwaine, lake, Harare		17° 54' 00" S 30° 47' 00" E	
(see also: Lake McIlwaine)			
Melsetter district		19° 52' 30" S 32° 52' 30" E	
Melsetter, 20 km SE (see Rusito Forest), Rusito forest		20° 02' 00" S 32° 59' 00" E	
Miami, 4 mi [=6.4 km] E		16° 40' 00" S 29° 49' 00" E	
Midlands province			
Mineral King Farm, 6.5 mi [=10 km] S Matopos		20° 29' 33" S 28° 27' 05" E	
(see also: Matopos, 6.5 mi [=10 km] S)			
Monavale (see Monovale), Harare		17° 48' 17" S 31° 01' 00" E	1431 m
Mondo River, S boundary			
Monovale, Harare		17° 48' 17" S 31° 01' 00" E	1431 m
(see also: Monavale)			
Mopane Bay, Lake Kariba		16° 37' 30" S 28° 52' 30" E	
Morgenster cave, near Great Zimbabwe ruins, 25 km SE Fort Victoria		20° 17' 00" S 30° 56' 00" E	
Morgenster Mission		20° 18' 41" S 30° 55' 49" E	
Mosi oa Tunya (see Victoria Falls), Dibutibu River, Batoka		17° 55' 00" S 25° 51' 00" E	
Mosi-Oa-Toenja (see Victoria Falls), Dibutibu River, Batoka		17° 55' 00" S 25° 51' 00" E	
Msitive and Mtoroshanga rivers, confluence		16° 52' 30" S 30° 37' 30" E	
Mtshavezi valley, Eastern Matopos		20° 36' 00" S 28° 52' 00" E	
Mucheni Gorge	ca.	17° 40' 00" S 27° 52' 00" E	
(see also: Mcheni Gorge)			
Munyati		18° 39' 00" S 29° 47' 00" E	1064 m
(see also: Chimsoro Cave, Rhino Cave, Sanyati)			
Musengezi river		16° 15' 00" S 30° 45' 00" E	
Musengezi river confluence		16° 15' 00" S 30° 45' 00" E	
Mushandike National Park		20° 06' 00" S 30° 39' 00" E	
Musingwa River (see Masingwa River)		16° 10' 00" S 31° 30' 00" E	
Mutanda Hills, Save Drift		19° 07' 30" S 32° 07' 30" E	
Mutare		18° 58' 29" S 32° 39' 20" E	1094 m
(see also: Mutare Asbestos Mine, No 2 Adit, Nyautare, Old Mine Adit, Old Umtali, Umtali, Umtali Mine adit, Umtali Old mine)			
Mutare Asbestos Mine (see Mutare)		18° 58' 29" S 32° 39' 20" E	
Mutare Boys High School		18° 57' 41" S 32° 41' 30" E	
Mutare Museum		18° 58' 16" S 32° 40' 02" E	
Mutare, 10 mi [=16 km] from, on Vumba road		19° 06' 46" S 32° 45' 45" E	
(see also: Umtali, 10 mi [=16 km] from)			
Mutare, 15 km W	ca.	18° 55' 47" S 32° 32' 38" E	
Mutare, 3 mi [=4.8 km] from, on Uumbra road	ca.	19° 06' 46" S 32° 45' 45" E	
(see also: Umtali, 3 mi [=4.8 km] from)			
Muzarabani Clinic		16° 22' 30" S 30° 52' 30" E	
Muzvezve Communal Land			
Mvurwi, Nyamunyeche		17° 02' 00" S 30° 51' 00" E	1451 m
(see also: Dawsons, Umvukwes)			
Nampini [island]	ca.	17° 54' 46" S 25° 50' 53" E	
N'dola			
Netridge Farm, Calcite Cave		20° 08' 00" S 30° 47' 00" E	
Ngamo Pan (see Ngamo Pans)		19° 08' 00" S 27° 27' 00" E	

Ngamo Pans		19° 08' 00" S 27° 27' 00" E	
(see also: Gamu, Ngamo Pan)			
Ngondoma		18° 28' 00" S 29° 03' 00" E	
(see also: Mabura 1 Cave)			
Ngorima Reserve (see Ngorima Tribal Trust Land), Melsetter district, Manicaland		20° 05' 00" S 32° 53' 00" E	
Ngorima Tribal Trust Land, Melsetter district, Manicaland		20° 05' 00" S 32° 53' 00" E	
(see also: Ingorima Reserve, Ngorima Reserve)			
Ngweshla		19° 05' 00" S 27° 05' 00" E	
No 2 Adit (see Mutare)		18° 58' 29" S 32° 39' 20" E	1094 m
Norton, 18 mi W			
Nuanetsi Dam (see Nungu Dam)	ca.	21° 16' 45" S 30° 36' 48" E	
Nuanetsi Ranch Headquarters		21° 30' 01" S 30° 47' 38" E	
Nuanetsi Ranch Headquarters, 1.6 km W		21° 30' 01" S 30° 47' 38" E	
Nuanetsi Ranch Headquarters, 18 km W		21° 29' 38" S 30° 37' 28" E	
Nuanetsi Ranch Headquarters, 26 km W (see Nungu Dam)	ca.	21° 16' 45" S 30° 36' 48" E	
Nungu Dam	ca.	21° 16' 45" S 30° 36' 48" E	
(see also: Nuanetsi Dam, Nuanetsi Ranch Headquarters, 26 km W)			
Nwanetsi			
Nyadiri River, Mutoko Communal Land		17° 04' 00" S 32° 07' 00" E	
Nyadiri River, near bridge		17° 08' 00" S 32° 08' 00" E	
Nyamandhlovu		19° 52' 00" S 28° 16' 00" E	1212 m
(see also: Nyamandholovu)			
Nyamandholovu (see Nyamandhlovu)		19° 52' 00" S 28° 16' 00" E	1212 m
Nyamepi Camp		15° 43' 00" S 29° 22' 00" E	
(see also: Mana Pools Camp)			
Nyandia Dam, Mutoko Communal Land		17° 05' 00" S 32° 08' 00" E	
Nyanga (see Inyanga)		18° 13' 00" S 32° 45' 00" E	1737 m
Nyantue (see Inyantue Siding)		18° 33' 00" S 26° 40' 00" E	
Nyanumi River		16° 52' 30" S 28° 37' 30" E	
Nyanyana campsite, Lake Kariba		16° 32' 00" S 28° 53' 00" E	
Nyashato Dam, Ngarwe Communal Land		17° 07' 00" S 32° 07' 00" E	
Nyautare (see Mutare)		18° 58' 29" S 32° 39' 20" E	1094 m
Nyazura		18° 43' 00" S 32° 10' 00" E	1219 m
(see also: Inyazura, Nyazure)			
Nyazure (see Nyazura)		18° 43' 00" S 32° 10' 00" E	1219 m
Odzi		18° 58' 00" S 32° 23' 00" E	1036 m
Odzi district		18° 59' 00" S 32° 29' 00" E	
Old Mine Adit (see Mutare), Umtali		18° 58' 29" S 32° 39' 20" E	1094 m
Old Umtali (see Mutare)		18° 58' 29" S 32° 39' 20" E	1094 m
Orchid cave (see Baruka cave), 10 mi [=16 km] N(W) Sinoia		17° 22' 12" S 30° 04' 48" E	
Orchid Cave (see Chinhoyi Caves)		17° 22' 00" S 30° 12' 00" E	1186 m
Peak Asbestos Mine, Mberengwa		20° 40' 00" S 29° 50' 00" E	
(see also: Peak Mine)			
Peak Mine (see Peak Asbestos Mine), Mberengwa		20° 40' 00" S 29° 50' 00" E	
Penalice Farm			
Penhalonga, Imbeza Valley		18° 53' 00" S 32° 41' 00" E	1521 m
Penrose Farm		17° 02' 00" S 30° 51' 00" E	
Pungwe River		18° 29' 00" S 32° 59' 00" E	
Pungwe-Ruva confluence		18° 25' 00" S 32° 47' 00" E	
Quaggas Hoek (Farm), Mutare		19° 34' 00" S 32° 45' 00" E	
Quagg's Hoek, Mutare		19° 34' 00" S 32° 45' 00" E	
Rainham [Farm], Salisbury		17° 46' 00" S 30° 53' 00" E	
Redrups Kop Mine, Bulawayo		20° 17' 00" S 28° 40' 00" E	
Redrups Kop Mine, Bulawayo		20° 17' 00" S 28° 40' 00" E	
Retreat Farm, 32.2 km SE Fort Victoria		20° 14' 00" S 31° 02' 00" E	
(see also: Fort Victoria, 32.2 km SE)			
Rhino Cave (see Munyati)		18° 39' 00" S 29° 47' 00" E	1064 m
Rhodes Inyanga National Park		18° 17' 00" S 32° 48' 00" E	
(see also: Inyanga National Park, Rhodes Inyanga Nature Park, Rhodes Nyanga Nature Park)			
Rhodes Inyanga Nature Park (see Rhodes Inyanga National Park)		18° 17' 00" S 32° 48' 00" E	
Rhodes Matopos Nature Park		20° 33' 00" S 28° 33' 00" E	
(see also: Matobo National Park, Matombo)			
Rhodes Nyanga Nature Park (see Rhodes Inyanga National Park)		18° 17' 00" S 32° 48' 00" E	
Rifle Range, Kwe Kwe		18° 52' 30" S 29° 52' 30" E	
Robins Game Reserve (see Hwange National Park)		19° 10' 00" S 26° 30' 00" E	914 m
Rukameshi River on SN Game Fence		15° 43' 00" S 29° 25' 00" E	
Rupisi Hot Spring, Save River		19° 19' 00" S 32° 29' 00" E	

Rusito Forest, Rusito river, 20 km SE Melsetter (see also: Melsetter, 20 km SE)		20° 02' 00" S 32° 59' 00" E	
Rusper Farm (see Kilworth Estate)		17° 50' 00" S 30° 47' 00" E	
Sabi-Lundi confluence (see Sabi-Lundi junction)		21° 18' 00" S 32° 24' 00" E	
Sabi-Lundi junction (see also: Sabi-Lundi confluence)		21° 18' 00" S 32° 24' 00" E	
Sabi-Lundi River, S junction		21° 18' 00" S 32° 24' 00" E	
Salisbury (see Harare)		17° 49' 04" S 31° 02' 41" E	1480 m
Salisbury, 20 mi [=32 km] N (see Henderson Research Station)		17° 37' 12" S 30° 52' 12" E	
Salisbury, 26 km W (see Kilworth Estate)		17° 50' 00" S 30° 47' 00" E	
Salisbury, 70 mi [=113 km] W		17° 22' 00" S 30° 12' 00" E	1186 m
Salukwe (see Shurugwi)		19° 40' 00" S 30° 00' 00" E	1501 m
Sanyati (see Munyati)		18° 39' 00" S 29° 47' 00" E	1064 m
Sanyati West		16° 52' 30" S 28° 37' 30" E	
Sanyati West Camp		16° 37' 30" S 28° 37' 30" E	
Sebakwe River (see Gem Tree Ranch), Que-Que, Rhodesdale, Gem Tree Ranch	ca.	18° 55' 00" S 30° 50' 00" E	
Selenda, mount (see also: Selinda, mount, Silinda, mount)		20° 24' 00" S 32° 42' 00" E	
Selinda, Melsetter district		20° 52' 30" S 32° 52' 30" E	
Selinda, mount (see Selenda, mount)		20° 24' 00" S 32° 43' 00" E	
Selukwe (see Shurugwi)		19° 40' 00" S 30° 00' 00" E	1501 m
Sengwa Wildlife area (see Sengwa Wildlife Research Area), 75 km W Gokwe		18° 10' 00" S 28° 13' 00" E	
Sengwa Wildlife Research Area, 75 km W Gokwe (see also: Gokwe, 75 km W, Sengwa Wildlife area, Sengwa Wildlife Research Ranch, Sengwa Wildlife Research Station, Sengwe, Sengwe Wildlife Research Area)		18° 10' 00" S 28° 13' 00" E	
Sengwa Wildlife Research Ranch (see Sengwa Wildlife Research Area), 75 km W Gokwe		18° 10' 00" S 28° 13' 00" E	
Sengwa Wildlife Research Station (see Sengwa Wildlife Research Area), 75 km W Gokwe		18° 10' 00" S 28° 13' 00" E	
Sengwe (see Sengwa Wildlife Research Area)		18° 10' 00" S 28° 13' 00" E	
Sengwe Wildlife Research Area (see Sengwa Wildlife Research Area)		18° 10' 00" S 28° 13' 00" E	
Sentinal Ranch, Limpopo river (see also: Sentinel Ranch)		22° 10' 10" S 29° 30' 20" E	
Sentinel Ranch (see Sentinal Ranch), Limpopo river; Tongani river		22° 10' 10" S 29° 30' 20" E	
Shamva, 48 km NE, on Mazoe river			
Shashe [river] (see also: Shashi [river])		22° 12' 00" S 29° 21' 00" E	
Shashi [river] (see Shashe [river])		22° 12' 00" S 29° 21' 00" E	
Shinda Estates, Banti (see also: Shinda Farm)		19° 21' 00" S 32° 45' 00" E	
Shinda Farm (see Shinda Estates), Banti		19° 21' 00" S 32° 45' 00" E	
Shurugwi, Lucilia Port (see also: Churugwi, Salukwe, Selukwe)		19° 40' 00" S 30° 00' 00" E	1501 m
Silinda, mount (see Selenda, mount)		20° 24' 00" S 32° 42' 00" E	
Sinela caves			
Singama		17° 36' 00" S 27° 51' 00" E	
Singereri Hills, Harare, Upper Mazowe Valley		17° 37' 00" S 31° 07' 00" E	
Sinoia (see Chinhoyi)		17° 22' 00" S 30° 12' 00" E	1186 m
Sinoia Caves (see Chinhoyi Caves)		17° 22' 00" S 30° 12' 00" E	1186 m
Sinoia, 10 mi [=16 km] N(W) (see Baruka cave)		17° 22' 12" S 30° 04' 48" E	
Sohwe River		16° 37' 00" S 30° 52' 00" E	
Southerton		17° 51' 49" S 31° 01' 09" E	
Strickland Lodge, Mutare		18° 52' 00" S 32° 37' 00" E	
Tanganda Bridge, Chipinge		20° 09' 00" S 32° 21' 00" E	
Tashinga		16° 52' 00" S 28° 22' 00" E	
Tetse fly gate, Kariba district, Kanyati Communial land, 5 km NNW Chibero (see also: Chibero, 5 km NNW)			
The Homestead [mine], Esigodini (see also: Homestake [mine], Homestead [mine])		20° 12' 00" S 28° 54' 00" E	
Thornpark Estate		17° 43' 00" S 31° 01' 00" E	
Toronto, Mutare		18° 54' 00" S 32° 30' 00" E	
Triangle (see Triangle Ranch), Seaton 81		21° 05' 00" S 31° 28' 00" E	
Triangle Ranch, Seaton 81 (see also: MacDougall's Tunnel, Triangle)		21° 05' 00" S 31° 28' 00" E	
Triumph mine, Lomagundi; near Lake McIlwaine (see also: Trumph Mine)			
Trumph Mine (see Triumph mine), Lake McIlwane, near			
Tsungwesi Guano Cave, Mutare		19° 07' 00" S 32° 07' 00" E	

Tuli Camp		21° 54' 00" S 29° 13' 00" E	
Umfuli River	ca.	18° 22' 26" S 31° 09' 14" E	
Umtali (see Mutare)		18° 58' 29" S 32° 39' 20" E	1094 m
Umtali Old mine (see Mutare), Umtali		18° 58' 29" S 32° 39' 20" E	1094 m
Umtali, 10 mi [=16 km] from (see Mutare, 10 mi [=16 km] from), on Vumba road		19° 06' 46" S 32° 45' 45" E	
Umtali, 3 mi [=4.8 km] from (see Mutare, 3 mi [=4.8 km] from), on Uumbra road	ca.	19° 06' 46" S 32° 45' 45" E	
Umvukwes (see Mvurwi), Nyamunyeche		17° 02' 00" S 30° 51' 00" E	1451 m
Victoria Falls, Dibutibu River, Batoka (see also: Amanza Tunqayo, Chino Timba , Mosi oa Tunya, Mosi-Oa-Toenja)		17° 55' 00" S 25° 51' 00" E	
Victoria Falls Bridge		17° 55' 42" S 25° 51' 26" E	
Victory Cave, Chinoyi		17° 07' 30" S 30° 07' 30" E	
Viro Hill		16° 22' 30" S 30° 37' 30" E	
Volunteer farms, near Gwayi river (see also: Gwai River farms)		18° 45' 00" S 27° 20' 00" E	
Vumba (see Vumba hotel)		19° 07' 00" S 32° 44' 00" E	
Vumba hotel (see also: Vumba)		19° 07' 00" S 32° 44' 00" E	
Vumba National Park (see also: Manchester Gardens, Manchester National Park)		19° 05' 00" S 32° 45' 00" E	
Wallaby Claims, Filabusi		20° 33' 00" S 29° 15' 00" E	
Wankie Game Reserve (see Hwange National Park)		19° 10' 00" S 26° 30' 00" E	914 m
Wankie National Park (see Hwange National Park)		19° 10' 00" S 26° 30' 00" E	914 m
Wankie Reserve (see Wankie Tribal Trust Land), 15 mi E Dett		18° 10' 00" S 26° 45' 00" E	3000 ft
Wankie Tribal Trust Land, 15 mi E Dett (see also: Dett, 15 mi [=24 km] E, Hwange, Wankie Reserve)		18° 10' 00" S 26° 45' 00" E	3000 ft
Warren Hills		17° 52' 00" S 30° 58' 00" E	
Waterfalls		17° 52' 52" S 31° 02' 39" E	1402 m
Wessex Farm Ruwa		17° 53' 27" S 31° 14' 42" E	
West Nicholson		21° 04' 00" S 29° 22' 00" E	819 m
Westwood Lodge (see Westwood Ranch)		17° 55' 00" S 25° 32' 00" E	
Westwood Ranch (see also: Westwood Lodge, Westwood Vlei)		17° 55' 00" S 25° 32' 00" E	
Westwood Vlei (see Westwood Ranch)		17° 55' 00" S 25° 32' 00" E	
Wildwood Sanctuary, Vumba	ca.	19° 05' 00" S 32° 45' 00" E	
Willow Park, Esigodini		20° 22' 30" S 28° 52' 30" E	
Zambesi-Chewore junction (see Zambezi-Cherowe Junction)		15° 38' 00" S 29° 54' 00" E	
Zambesidal, Matabeleland	ca.	19° 00' 00" S 27° 00' 00" E	
Zambezi-Cherowe Junction (see also: Zambesi-Chewore junction)		15° 38' 00" S 29° 54' 00" E	
Zemaiwi Cave (see Bashungwe Cave), Chinhoyi		17° 12' 00" S 29° 13' 00" E	
Zimbabwe (see also: South Rhodesia)			
Zimbabwe Mine			
Zimbabwe National Park		20° 18' 00" S 30° 57' 00" E	
Zimbabwe National Park, 4 mi [=7.2 km] S	ca.	20° 18' 00" S 30° 57' 00" E	
Zimbabwe Ruins (see Great Zimbabwe [ruins]), 25 km SE Fort Victoria		20° 17' 00" S 30° 56' 00" E	

Appendix 9d: Quarter Degree Gazetteer

In this gazetteer the localities are grouped within the same quarter degree, and these groups are presented from the northwestern most point of Africa to the southeastern most point. Localities for which no coordinates were found, are omitted from this gazetteer.

NE 43010Cb:

Pisa	Italy		10.4000;43.7167	

NW 39000Cb:

Foyos	Spain		-0.3500;39.5333	11 m

NW 38027Ca:

Terceira Island	Azores [Portugal]	ca.	-27.2167;38.7167	

NW 37025Dc:

Ribeira Grande, road to	Azores [Portugal]	ca.	-25.5167;37.8167	
San Miguel Island (see São Miguel Island)	Azores [Portugal]	ca.	-25.5000;37.7833	
São Miguel Island (see also: San Miguel Island, St Michael)	Azores [Portugal]	ca.	-25.5000;37.7833	
St Michael (see São Miguel Island)	Azores [Portugal]	ca.	-25.5000;37.7833	

NW 37025Cd:

Furnas, Lagoa das (see also: Furnas, lake, Lake Furnas)	Azores [Portugal]		-25.3333;37.7500	303 m
Furnas, lake (see Furnas, Lagoa das)	Azores [Portugal]		-25.3333;37.7500	303 m
Lake Furnas (see Furnas, Lagoa das)	Azores [Portugal]		-25.3333;37.7500	303 m

NW 37025Da:

Ponta Delgada province	Azores [Portugal]	ca.	-25.6667;37.7333	

NE 37008Db:

Galita Island (see La Galite, island), Galita Archipelago	Tunisia		8.9289;37.5261
Île de La Galite (see La Galite, island), Galita Archipelago	Tunisia		8.9289;37.5261
Île Galite (see La Galite, island), Galita Archipelago	Tunisia		8.9289;37.5261
Isola Galite (see La Galite, island), Galita Archipelago	Tunisia		8.9289;37.5261
Jalta Island (see La Galite, island), Galita Archipelago	Tunisia		8.9289;37.5261
Jazirat Jalitah (see La Galite, island), Galita Archipelago	Tunisia		8.9289;37.5261
La Galite, island, Galita Archipelago (see also: Galita Island, Île de La Galite, Île Galite, Isola Galite, Jalta Island, Jazirat Jalitah, Zalite)	Tunisia		8.9289;37.5261
Zalite (see La Galite, island), Galita Archipelago	Tunisia		8.9289;37.5261

NE 37009Ba:

Djebel Achkel (see Jebel Ichkeul)	Tunisia		9.6548;37.1235
Djebel Achkeul (see Jebel Ichkeul)	Tunisia		9.6548;37.1235
Djebel Ichkeul (see Jebel Ichkeul)	Tunisia		9.6548;37.1235
Djebel Ischkeul (see Jebel Ichkeul)	Tunisia		9.6548;37.1235
Djebel Ishkoel (see Jebel Ichkeul)	Tunisia		9.6548;37.1235
Jabal al Ashkal (see Jebel Ichkeul)	Tunisia		9.6548;37.1235
Jebel Ichkeul (see also: Djebel Achkel, Djebel Achkeul, Djebel Ichkeul, Djebel Ischkeul, Djebel Ishkoel, Jabal al Ashkal)	Tunisia		9.6548;37.1235

NE 37010Aa:

Ruines d'Utique (see Utica ruins)	Tunisia		10.0628;37.0573
Utica ruins (see also: Ruines d'Utique, Utique ruins, Zehana)	Tunisia		10.0628;37.0573
Utique ruins (see Utica ruins)	Tunisia		10.0628;37.0573
Zehana (see Utica ruins)	Tunisia		10.0628;37.0573

NE 37011Aa:

Al Huwariyah (see El Aouaria)	Tunisia		11.0167;37.0500
Al Huwwariyah (see El Aouaria)	Tunisia		11.0167;37.0500
Al Huwwariyah cave (see El Aouaria)	Tunisia		11.0167;37.0500
Al-Dakha (see Cape Bon)	Tunisia		11.0388;37.0832

Aquilaria (see El Aouaria)	Tunisia		11.0167;37.0500	
Bat cave, 4 km NE El Haouaria (see also: El Haouaria, 4 km NE, El Huaria cave, Grotte aux chauves-souris)	Tunisia		11.0500;37.0833	
Cap Bon (see Cape Bon)	Tunisia		11.0388;37.0832	
Cap Hermes des Grecs (see Cape Bon)	Tunisia		11.0388;37.0832	
Cap Mercure des Latins (see Cape Bon)	Tunisia		11.0388;37.0832	
Cape Bon (see also: Al-Dakha, Cap Bon, Cap Hermes des Grecs, Cap Mercure des Latins, El Haouaria, 4 km NE, Ra's at Tib, Ra's Maddar , Ras Addar, Rass Adder)	Tunisia		11.0388;37.0832	
El Aouaria (see El Aouaria) (see also: Al Huwariyah, Al Huwwariyah, Al Huwwariyah cave, Aquilaria, El Aouaria, El Awaria, El Haouaria, El Haouaria cave, El Houaria)	Tunisia		11.0167;37.0500	
El Awaria (see El Aouaria)	Tunisia		11.0167;37.0500	
El Haouaria (see El Aouaria)	Tunisia		11.0167;37.0500	
El Haouaria cave (see El Aouaria)	Tunisia		11.0167;37.0500	
El Haouaria, 1.5 km NE	Tunisia	ca.	11.0228;37.0604	
El Haouaria, 2 km N	Tunisia		11.0108;37.0689	
El Haouaria, 2 km NE	Tunisia		11.0267;37.0636	
El Haouaria, 4 km NE (see Bat cave)	Tunisia		11.0500;37.0833	
El Houaria (see El Aouaria), Cap Bon	Tunisia		11.0167;37.0500	
El Huaria cave (see Bat cave), 4 km NE El Haouaria	Tunisia		11.0500;37.0833	
Grotte aux chauves-souris (see Bat cave)	Tunisia		11.0500;37.0833	
Grottes de Tabouda (see Tabouda caves)	Tunisia		11.0314;37.0658	
Hoble	Tunisia		11.0167;37.0500	
Ra's at Tib (see Cape Bon)	Tunisia		11.0388;37.0832	
Ra's Maddar (see Cape Bon)	Tunisia		11.0388;37.0832	
Ras Addar (see Cape Bon)	Tunisia		11.0388;37.0832	
Rass Adder (see Cape Bon)	Tunisia		11.0388;37.0832	
Tabouda caves (see also: Grottes de Tabouda)	Tunisia		11.0314;37.0658	

NE 36001Cb:

Ténès, West of Algiers	Algeria		1.3119;36.5111	2 m

NE 36002Bd:

Chiffa, gorges de la (see Gorges de la Chiffa)	Algeria		2.7667;36.4000	
Gorges de la Chiffa (see also: Chiffa, gorges de la, La Chiffa)	Algeria		2.7667;36.4000	
Grotte des lions (see Lions cave)	Algeria	ca.	2.7667;36.4000	
La Chiffa (see Gorges de la Chiffa)	Algeria		2.7667;36.4000	
Lions cave (see also: Grotte des lions)	Algeria	ca.	2.7667;36.4000	

NE 36002Bb:

El Goléa (see also: El Golea)	Algeria		2.7725;36.2194	700 m
El Golea (see El Goléa)	Algeria		2.7725;36.2194	700 m

NE 36003Cc:

Al Jazair (see Alger)	Algeria		3.0506;36.7631	0 m
Alger (see also: Al Jazair, Algeri, Algier, Algiers, Al-jezair)	Algeria		3.0506;36.7631	0 m
Algeri (see Alger)	Algeria		3.0506;36.7631	0 m
Algier (see Alger)	Algeria		3.0506;36.7631	0 m
Algiers (see Alger)	Algeria		3.0506;36.7631	0 m
Al-jezair (see Alger)	Algeria		3.0506;36.7631	0 m

NE 36003Dd:

Delis (see Dellys)	Algeria		3.8878;36.9186	336 m
Dellys (see also: Delis)	Algeria		3.8878;36.9186	336 m

NE 36003Ca:

Blida province (see also: Wilaya de Blida)	Algeria	ca.	3.0000;36.5833	
Wilaya de Blida (see Blida province)	Algeria	ca.	3.0000;36.5833	

NE 36004Ac:

Tikjda, 7 km W Lalla Kedidja (see also: Lalla Kedidja, 7 km W)	Algeria		4.1333;36.4500	1111 m

NE 36005Cc:

Béjaïa (see also: Bejaia, Bgayet, Bidzaja, Bijaya, Bougie, Saldae)	Algeria		5.0842;36.7558	0 m
Bejaia (see Béjaïa)	Algeria		5.0842;36.7558	0 m
Bgayet (see Béjaïa)	Algeria		5.0842;36.7558	0 m
Bidzaja (see Béjaïa)	Algeria		5.0842;36.7558	0 m
Bijaya (see Béjaïa)	Algeria		5.0842;36.7558	0 m
Bougie (see Béjaïa)	Algeria		5.0842;36.7558	0 m
Saldae (see Béjaïa)	Algeria		5.0842;36.7558	0 m

NE 36005Cb:

Aokas (see also: Cap Aokas, Oued Marsa)	Algeria		5.2500;36.6333	198 m
Aokas cave, 1 km E Aokas	Algeria	ca.	5.2500;36.6333	
Cap Aokas (see Aokas)	Algeria		5.2500;36.6333	198 m
Oued Marsa (see Aokas)	Algeria		5.2500;36.6333	198 m
Souk el Tenine	Algeria		5.3339;36.6267	92 m

NE 36005Ad:

Gorges de Kherrata (tunnel) (see also: Kherrata, gorges de)	Algeria	ca.	5.2780;36.4935	
Kherrata, gorges de (see Gorges de Kherrata (tunnel))	Algeria	ca.	5.2780;36.4935	

NE 36005Ab:

Sétif	Algeria		5.4167;36.2167	1080 m

NE 36006Dd:

Skikda province (see also: Wilaya de Skikda)	Algeria	ca.	6.8333;36.7500	
Wilaya de Skikda (see Skikda province)	Algeria	ca.	6.8333;36.7500	

NE 36006Cb:

Oued Rhumel	Algeria		6.2667;36.5333	

NE 36006Bc:

Constantine, road between Sétif and Annaba	Algeria		6.6167;36.3667	626 m

NE 36007Cd:

Ain Mokra (see Berrahal)	Algeria		7.4533;36.8353	26 m
Berrahal (see also: Ain Mokra)	Algeria		7.4533;36.8353	26 m

NE 36007Dd:

Annaba (see also: Bona, Bône)	Algeria		7.7667;36.9000	0 m
Bona (see Annaba)	Algeria		7.7667;36.9000	0 m
Bône (see Annaba)	Algeria		7.7667;36.9000	0 m
Bône, near	Algeria	ca.	7.7667;36.9000	

NE 36007Ca:

Djebel Taya (see Djebel Taya) (see also: Djebel Taya)	Algeria	7.1242;36.5016	
Taya, djebel	Algeria	7.1242;36.5016	

NE 36008Dc:

Aïn Draham (see Ayn ad Darahim)	Tunisia	8.6925;36.7772	982 m
Aïn Draham, 5 km NE (see Ayn ad Darahim, 5 km NE)	Tunisia	8.7321;36.8091	
Aïne Draham (see Ayn ad Darahim)	Tunisia	8.6925;36.7772	982 m
Aïne Draham, 5 km NE (see Ayn ad Darahim, 5 km NE)	Tunisia	8.7321;36.8091	
Ayn ad Darahim (see also: Aïn Draham, Aïne Draham)	Tunisia	8.6925;36.7772	982 m
Ayn ad Darahim, 5 km NE (see also: Aïn Draham, 5 km NE, Aïne Draham, 5 km NE)	Tunisia	8.7321;36.8091	

NE 36008Dd:

Ras Rajel (American WWII) Cemetery, 10 km E Tabarka (see also: Ras Rajel Cemetery, mine at W edge, Tabarka, 10 km E)	Tunisia	8.8664;36.9538	
Ras Rajel Cemetery, mine at W edge (see Ras Rajel (American WWII) Cemetery)	Tunisia	8.8664;36.9538	
Tabarka, 10 km E (see Ras Rajel (American WWII) Cemetery)	Tunisia	8.8664;36.9538	

NE 36008Cb:

El Feyja National Park Headquarters (see also: Feija National Park Headquarters)	Tunisia	8.3114;36.5006	
Feija National Park Headquarters (see El Feyja National Park Headquarters)	Tunisia	8.3114;36.5006	
Khroumirie (see Kroumirie mountains)	Tunisia	ca. 8.4167;36.5833	
Kroumiria (see Kroumirie mountains)	Tunisia	ca. 8.4167;36.5833	
Kroumirie mountains (see also: Khroumirie, Kroumiria, Kroumirii Highlands)	Tunisia	ca. 8.4167;36.5833	
Kroumirii Highlands (see Kroumirie mountains)	Tunisia	ca. 8.4167;36.5833	

NE 36008Da:

Bulla Reggia (see Bulla Regia), 7 km NNW Jendouba	Tunisia	8.7467;36.5583	
Bulla Regia, 7 km NNW Jendouba (see also: Bulla Reggia, El Hammam , Hammam Derradji, Jendouba, 7 km NNW, Ruines de Bulla Régia, Souk el Arba, 7 km NNW)	Tunisia	8.7467;36.5583	
Djebel Gloub (see Jabal Qulub)	Tunisia	8.5667;36.6500	
El Hammam (see Bulla Regia), 7 km NNW Jendouba	Tunisia	8.7467;36.5583	
Hammam Derradji (see Bulla Regia), 7 km NNW Jendouba	Tunisia	8.7467;36.5583	
Jabal Qulub (see also: Djebel Gloub)	Tunisia	8.5667;36.6500	
Jendouba, 7 km NNW (see Bulla Regia)	Tunisia	8.7467;36.5583	
Ruines de Bulla Régia (see Bulla Regia), 7 km NNW Jendouba	Tunisia	8.7467;36.5583	
Souk el Arba, 7 km NNW (see Bulla Regia)	Tunisia	8.7467;36.5583	

NE 36008Bc:

Chemtou (see Shimtu), 17 km W Jendouba	Tunisia	8.5833;36.4833	158 m
Chemtou Ance (see Shimtu), 17 km W Jendouba	Tunisia	8.5833;36.4833	158 m
Jendouba, 17 km W (see Shimtu)	Tunisia	8.5833;36.4833	158 m
Shimtu, 17 km W Jendouba (see also: Chemtou, Chemtou Ance, Jendouba, 17 km W, Simittu)	Tunisia	8.5833;36.4833	158 m
Simittu (see Shimtu), 17 km W Jendouba	Tunisia	8.5833;36.4833	158 m

NE 36009Cc:

Nefza, 6 km W, 25 km E Tabarza, on GP 7 (see also: Tabarza, 25 km E)	Tunisia	9.0388;36.9544	

Tabarza, 25 km E (see Nefza, 6 km W)	Tunisia	9.0388;36.9544	

NE 36009Cd:

Djebel Ichkeul, 25 km SW (see Sidi Messaoud, mine tunnel near)	Tunisia	9.4564;36.9660	
Jebel Ichkeul, 25 km SW (see Sidi Messaoud, mine tunnel near)	Tunisia	9.4564;36.9660	
Sidi Messaoud, mine tunnel near, 25 km SW Djebel Ichkeul (see also: Djebel Ichkeul, 25 km SW, Jebel Ichkeul, 25 km SW)	Tunisia	9.4564;36.9660	

NE 36009Dd:

Délégation de Teboursouk (see Taburbah, Mu'tamadiyat)	Tunisia	9.7500;36.9167	
Mu'tamadiyat Taburbah (see Taburbah, Mu'tamadiyat)	Tunisia	9.7500;36.9167	
Taburbah (see Tebourba), near Tunis	Tunisia	9.8333;36.8397	18 m
Taburbah, cave near (see Tebourba, cave near), near Tunis	Tunisia	9.8333;36.8333	
Taburbah, Mu'tamadiyat (see also: Délégation de Teboursouk, Mu'tamadiyat Taburbah, Teboursouk, délégation de)	Tunisia	9.7500;36.9167	
Tebourba, near Tunis (see also: Taburbah)	Tunisia	9.8333;36.8397	18 m
Tebourba, cave near, near Tunis (see also: Taburbah, cave near)	Tunisia	9.8333;36.8333	
Teboursouk, délégation de (see Taburbah, Mu'tamadiyat)	Tunisia	9.7500;36.9167	

NE 36009Cb:

Ain Jammalah Pepinier Forestière	Tunisia	9.3117;36.5008	

NE 36009Ad:

Ghar Kraiz	Tunisia	9.3856;36.4361	

NE 36010Cc:

Sidi Mansour area	Tunisia	10.1797;36.8028	
Tunes (see Tunis), Tunis wa al Ahwaz	Tunisia	10.1797;36.8028	0 m
Tunez (see Tunis), Tunis wa al Ahwaz	Tunisia	10.1797;36.8028	0 m
Tunis, Tunis wa al Ahwaz (see also: Tunes, Tunez, Tunisi, Tunis-Ville)	Tunisia	10.1797;36.8028	0 m
Tunisi (see Tunis), Tunis wa al Ahwaz	Tunisia	10.1797;36.8028	0 m
Tunis-Ville (see Tunis), Tunis wa al Ahwaz	Tunisia	10.1797;36.8028	0 m

NE 36010Cd:

Cartago (see Carthage)	Tunisia	10.3303;36.8542	0 m
Carthage (see also: Cartago, Qartajannah)	Tunisia	10.3303;36.8542	0 m
Qartajannah (see Carthage)	Tunisia	10.3303;36.8542	0 m

NE 36010Dd:

El Ouidiane abandoned coal mine, ca 60 km E Tunis (see also: Tunis, ca 60 km E)	Tunisia	10.8521;36.8028	
Manzil Tamim (see Menzel Temime)	Tunisia	10.9875;36.7822	38 m
Manzil Tamim (see Menzel Temime)	Tunisia	10.9875;36.7822	38 m
Mennzel Temine (see Menzel Temime)	Tunisia	10.9875;36.7822	38 m
Menzel Jemime (see Menzel Temime)	Tunisia	10.9875;36.7822	38 m
Menzel Temime (see also: Manzil Tamim, Manzil Tamim, Mennzel Temine, Menzel Jemime, Menzel Temine, Menzel Termine, Menzel-Temimi, Mezel Temime)	Tunisia	10.9875;36.7822	38 m
Menzel Temine (see Menzel Temime)	Tunisia	10.9875;36.7822	38 m
Menzel Termine (see Menzel Temime)	Tunisia	10.9875;36.7822	38 m
Menzel-Temimi (see Menzel Temime)	Tunisia	10.9875;36.7822	38 m
Mezel Temime (see Menzel Temime)	Tunisia	10.9875;36.7822	38 m
Tunis, ca 60 km E (see El Ouidiane abandoned coal mine)	Tunisia	10.8521;36.8028	

NE 36010Ca:

Oudna (see Oudna Station)	Tunisia	10.1519;36.6261	
Oudna Station (see also: Oudna, Station d'Oudna, Udhnah)	Tunisia	10.1519;36.6261	
Oudna Station, 1 km SE	Tunisia	10.1599;36.6197	
Station d'Oudna (see Oudna Station)	Tunisia	10.1519;36.6261	
Udhnah (see Oudna Station)	Tunisia	10.1519;36.6261	

NE 36010Cb:

Djebel Besass, 28 km SE Tunis (see also: Djebel Rassas, mine, Tunis, 28 km SE)	Tunisia	10.4016;36.6244	
Djebel Rassas, mine (see Djebel Besass)	Tunisia	10.4016;36.6244	
Entouna mine, 23.5 km SE Tunis, on GP1, 2 km W of highway (see also: Tunis, 23.5 km SE)	Tunisia	10.3659;36.6530	
Grombalia (see also: Grombalic, Quaranbaliyah, Quranbaliyah, Qurunbaliyah)	Tunisia	10.4997;36.5997	57 m
Grombalia, 10 km W (see also: Hadjeb el Aïoun pool, near, Hadjeb el Aïoune pool, near)	Tunisia	10.3880;36.5997	
Grombalic (see Grombalia)	Tunisia	10.4997;36.5997	57 m
Quaranbaliyah (see Grombalia)	Tunisia	10.4997;36.5997	57 m
Quranbaliyah (see Grombalia)	Tunisia	10.4997;36.5997	57 m
Qurunbaliyah (see Grombalia)	Tunisia	10.4997;36.5997	57 m
Tunis, 23.5 km SE (see Entouna mine)	Tunisia	10.3659;36.6530	
Tunis, 28 km SE (see Djebel Besass)	Tunisia	10.4016;36.6244	

NE 36010Ac:

Djebel Zaghouan (4 km W Poste Optique)	Tunisia	10.0721;36.3500	
Djebel Zaghouan (cave at Poste Optique)	Tunisia	10.1167;36.3500	
Djebel Zaghouan (see Jabal Zaghwan)	Tunisia	10.1118;36.3505	
Djebel Zaghouane (see Jabal Zaghwan)	Tunisia	10.1118;36.3505	
Djebel Zarhouan (see Jabal Zaghwan)	Tunisia	10.1118;36.3505	
Jabal Zaghwan (see also: Djebel Zaghouan, Djebel Zaghouane, Djebel Zarhouan)	Tunisia	10.1118;36.3505	
Sidi Tayeaa, mine, 1 km E Zaghouan on MC 133, 1 km S of highway (see also: Zaghouan, 1 km E on MC 133, 1 km S of highway)	Tunisia	10.1696;36.3751	
Zaghouan, 1 km E on MC 133, 1 km S of highway (see Sidi Tayeaa, mine)	Tunisia	10.1696;36.3751	
Zaghouan, 3 km S, mine, on road from Ain Ayed	Tunisia	10.1403;36.3309	

NE 36010Ad:

Hammam Djedidi (see Hammam Jedidi)	Tunisia	10.3853;36.3950	96 m
Hammam Djedidi, mine tunnel	Tunisia	10.3730;36.4000	
?ammam Jadidi (see Hammam Jedidi)	Tunisia	10.3853;36.3950	96 m
Hammam Jedidi (see also: Hammam Djedidi, ?ammam Jadidi)	Tunisia	10.3853;36.3950	96 m
Wadi Zriba, near Zaghouan (see also: Zaribah , Zriba-Village)	Tunisia	10.2522;36.3394	
Zaribah (see Wadi Zriba), near Zaghouan	Tunisia	10.2522;36.3394	
Zriba-Village (see Wadi Zriba), near Zaghouan	Tunisia	10.2522;36.3394	

NE 36010Bc:

Nabeul (see also: Naboel, Nabul)	Tunisia	10.7333;36.4500	1 m
Naboel (see Nabeul)	Tunisia	10.7333;36.4500	1 m
Nabul (see Nabeul)	Tunisia	10.7333;36.4500	1 m

NE 36010Ab:

An Nafi?ah (see Enfida), Bou Ficha	Tunisia	10.3808;36.1353	12 m
Dar el Bey (see Enfida), Bou Ficha	Tunisia	10.3808;36.1353	12 m

Enfida, Bou Ficha	Tunisia		10.3808;36.1353	12 m
(see also: An Nafi?ah, Dar el Bey, Enfidarille, Enfidaville, Envidaville)				
Enfidarille (see Enfida), Bou Ficha	Tunisia		10.3808;36.1353	12 m
Enfidaville (see Enfida), Bou Ficha	Tunisia		10.3808;36.1353	12 m
Envidaville (see Enfida), Bou Ficha	Tunisia		10.3808;36.1353	12 m

NE 36011Cc:

Menzel Temime, 3 km SE	Tunisia		11.0028;36.7661	
(see also: Mezel Temime, 3 km SE)				
Mezel Temime, 3 km SE (see Menzel Temime, 3 km SE)	Tunisia		11.0028;36.7661	

NW 35006Aa:

Al ‘Ara’ish (see Larache)	Morocco		-6.1500;35.1900	55 m
El Aaraich (see Larache)	Morocco		-6.1500;35.1900	55 m
Larache	Morocco		-6.1500;35.1900	55 m
(see also: Al ‘Ara’ish, El Aaraich, Lavache)				
Larache, 20 km S	Morocco		-6.0500;35.0330	
Lavache (see Larache)	Morocco		-6.1500;35.1900	55 m

NW 35005Dd:

Cuevas d'Hércules (see Grottes d'Hercule)	Morocco		-5.9378;35.7559	
Grottes d'Hercule	Morocco		-5.9378;35.7559	
(see also: Cuevas d'Hércules, Hercules caves)				
Hercules caves (see Grottes d'Hercule)	Morocco		-5.9378;35.7558	
Tanger	Morocco		-5.8128;35.7847	79 m
(see also: Tangeri, Tangier, Tingis)				
Tanger, 13 km W	Morocco		-5.9330;35.8000	
Tangeri (see Tanger)	Morocco		-5.8128;35.7847	79 m
Tangier (see Tanger)	Morocco		-5.8128;35.7847	79 m
Tingis (see Tanger)	Morocco		-5.8128;35.7847	79 m

NW 35005Cd:

Abila (see Jebel Moussa)	Morocco		-5.4122;35.8977	
Abyla (see Jebel Moussa)	Morocco		-5.4122;35.8977	
Djebel Moussa (see Jebel Moussa)	Morocco		-5.4122;35.8977	
Grande Caverne du Djebel Moussa (see Great Cave (Jebel Moussa))	Morocco		-5.4122;35.8977	
Great Cave (Jebel Moussa)	Morocco		-5.4122;35.8977	
(see also: Grande Caverne du Djebel Moussa)				
Jbel Moussa (see Jebel Moussa)	Morocco		-5.4122;35.8977	
Jebel Moussa	Morocco		-5.4122;35.8977	
(see also: Abila, Abyla, Djebel Moussa, Jbel Moussa, Jebel Mussa, Jebel Sidi Moussa, Monte de las Monas, Sidi Musa)				
Jebel Mussa (see Jebel Moussa)	Morocco		-5.4122;35.8977	
Jebel Sidi Moussa (see Jebel Moussa)	Morocco		-5.4122;35.8977	
Monte de las Monas (see Jebel Moussa)	Morocco		-5.4122;35.8977	
Sidi Musa (see Jebel Moussa)	Morocco		-5.4122;35.8977	

NW 35005Cb:

Grotte de Samsa (see Semsa cave)	Morocco		-5.4000;35.5900	114 m
Samsa (see Semsa)	Morocco		-5.4000;35.5900	114 m
Samsa cave (see Semsa cave)	Morocco		-5.4000;35.5900	114 m
Semsa	Morocco		-5.4000;35.5900	114 m
(see also: Samsa)				
Semsa cave	Morocco		-5.4000;35.5900	114 m
(see also: Grotte de Samsa, Samsa cave)				
Tétouane, cave 6 km E	Morocco	ca.	-5.2833;35.5667	250 m

NW 35005Bc:

Moulay Abdeslam, 5 km W	Morocco		-5.5667;35.3167	
Souk-Khemis-des-Beni-Arouss	Morocco		-5.6294;35.3069	

NW 35005Ad:

Moulay Abdessalam - Zinat, between	Morocco	ca.	-5.4833;35.4000	

NW 35005Ac:

Oued Lahou (see Oued Laou)	Morocco		-5.0964;35.4483	
Oued Lao (see Oued Laou)	Morocco		-5.0964;35.4483	
Oued Laou	Morocco		-5.0964;35.4483	
(see also: Oued Lahou, Oued Lao, Oued Lou, Uad Lau)				
Oued Laou, near	Morocco	ca.	-5.0964;35.4483	
Oued Lou (see Oued Laou)	Morocco		-5.0964;35.4483	
Uad Lau (see Oued Laou)	Morocco		-5.0964;35.4483	

NW 35005Ab:

Akhmas (see El Akhmas tribal area)	Morocco	ca.	-5.3285;35.0792	
Boudman, near Chefchaouen	Morocco	ca.	-5.2667;35.1667	
Caotina, 5 km NW Chefchaouen	Morocco		-5.3089;35.1956	508 m
(see also: Chefchaouen, 5 km NW, Fomento, Puente de Fomento, Puento Fomento)				
Chaouèn (see Chefchaoune), Rif	Morocco		-5.2697;35.1714	564 m
Chauen (see Chefchaoune), Rif	Morocco		-5.2697;35.1714	564 m
Chechaouèn (see Chefchaoune), Rif	Morocco		-5.2697;35.1714	564 m
Chechaouene (see Chefchaoune), Rif	Morocco		-5.2697;35.1714	564 m
Chefchaouen, 5 km NW (see Caotina)	Morocco		-5.3089;35.1956	508 m
Chefchaouen, 6 km SW (see Derdara)	Morocco		-5.2903;35.1103	381 m
Chefchaouen, 8 km from (see Laachaich)	Morocco		-5.2667;35.1667	
Chefchaoune, Rif	Morocco		-5.2697;35.1714	564 m
(see also: Chaouèn, Chauen, Chechaouèn, Chechaouene, Chichaouene, Ech Chaouene, Scheschauen, Ville de Chechaouèn, Xauen, Xexauen)				
Chichaouene (see Chefchaoune), Rif	Morocco		-5.2697;35.1714	564 m
Dardara (see Derdara)	Morocco		-5.2903;35.1103	381 m
Derdara, 6 km SW of Chefchaouen	Morocco		-5.2903;35.1103	381 m
(see also: Chefchaouen, 6 km SW, Dardara)				
Duea Seglaon (see Oued Siglone)	Morocco	ca.	-5.2667;35.1667	
Ech Chaouene (see Chefchaoune), Rif	Morocco		-5.2697;35.1714	564 m
El Ajmas (see El Akhmas tribal area)	Morocco	ca.	-5.3285;35.0792	
El Akhmas tribal area	Morocco	ca.	-5.3285;35.0792	
(see also: Akhmas , El Ajmas, El Jamas, El-Amas)				
El Jamas (see El Akhmas tribal area)	Morocco	ca.	-5.3285;35.0792	
El-Amas (see El Akhmas tribal area)	Morocco	ca.	-5.3285;35.0792	
Fomento (see Caotina)	Morocco		-5.3089;35.1956	508 m
Laachaich, 8 km from Chefchaouen	Morocco		-5.2667;35.1667	
(see also: Chefchaouen, 8 km from)				
Oued Siglone, near Chefchaoune	Morocco	ca.	-5.2667;35.1667	
(see also: Duea Seglaon)				
Puente de Fomento (see Caotina)	Morocco		-5.3089;35.1956	508 m
Puento Fomento (see Caotina)	Morocco		-5.3089;35.1956	508 m
Scheschauen (see Chefchaoune), Rif	Morocco		-5.2697;35.1714	564 m
Ville de Chechaouèn (see Chefchaoune), Rif	Morocco		-5.2697;35.1714	564 m
Xauen (see Chefchaoune), Rif	Morocco		-5.2697;35.1714	564 m
Xerafat, Caf Muley Abdelkader	Morocco	ca.	-5.3285;35.0792	
Xexauen (see Chefchaoune), Rif	Morocco		-5.2697;35.1714	564 m

NW 35005Aa:

Chefchaouen, 5 km E (see Jebel Tisouka)	Morocco		-5.2172;35.1606	1100 m
Frmane cave, Jebel Bouhalla	Morocco	ca.	-5.1333;35.0833	
Jbel Tissouka (see Jebel Tisouka)	Morocco		-5.2172;35.1606	1100 m
Jebel Mago (see Jebel Tisouka)	Morocco		-5.2172;35.1606	1100 m
Jebel Tisouka, 5 km E Chefchaouen	Morocco		-5.2172;35.1606	1100 m
(see also: Chefchaouen, 5 km E, Jbel Tissouka, Jebel Mago, Monte Tisuka, Tisouka, mount, Yebel Tisuca, Yebel Tisuja)				
Monte Tisuka (see Jebel Tisouka)	Morocco		-5.2172;35.1606	1100 m
Tisouka, mount (see Jebel Tisouka)	Morocco		-5.2172;35.1606	1100 m
Yebel Tisuca (see Jebel Tisouka)	Morocco		-5.2172;35.1606	1100 m
Yebel Tisuja (see Jebel Tisouka)	Morocco		-5.2172;35.1606	1100 m

NW 35004Aa:

Atlas Rifain (see Er Rif)	Morocco		-4.0000;35.0000	
El Rif (see Er Rif)	Morocco		-4.0000;35.0000	

Er Rif (see also: Atlas Rifain, El Rif, Er Riff, Rif, Riff)	Morocco		-4.0000;35.0000	
Er Riff (see Er Rif)	Morocco		-4.0000;35.0000	
Rif (see Er Rif)	Morocco		-4.0000;35.0000	
Riff (see Er Rif)	Morocco		-4.0000;35.0000	

NW 35003Bb:

Al Hoceïma (see also: Al Huceima, Al ?usaymat, Alhacemas, Alhucemas, Villa Alhucemas, Villa Sanjurjo)	Morocco		-3.9300;35.2400	153 m
Al Hoceïma, 9 km SE	Morocco		-3.8830;35.2000	
Al Huceima (see Al Hoceïma)	Morocco		-3.9300;35.2400	153 m
Al ?usaymat (see Al Hoceïma)	Morocco		-3.9300;35.2400	153 m
Alhacemas (see Al Hoceïma)	Morocco		-3.9300;35.2400	153 m
Alhucemas (see Al Hoceïma)	Morocco		-3.9300;35.2400	153 m
Peñon de Alhucemas island	Morocco		-3.8894;35.2133	
Villa Alhucemas (see Al Hoceïma)	Morocco		-3.9300;35.2400	153 m
Villa Sanjurjo (see Al Hoceïma)	Morocco		-3.9300;35.2400	153 m

NW 35002Bb:

Nador, 20 km SE	Morocco		-2.7500;35.1167	

NW 35001Ad:

La Tafna Fleuve (see Tafna, oued)	Algeria	ca.	-1.4711;35.2978	
Oued Tafna (see Tafna, oued)	Algeria	ca.	-1.4711;35.2978	
Oued Tasna (see Tafna, oued)	Algeria	ca.	-1.4711;35.2978	
Tafna River (see Tafna, oued)	Algeria	ca.	-1.4711;35.2978	
Tafna, oued (see also: La Tafna Fleuve, Oued Tafna, Oued Tasna , Tafna River, Tafua, Wad Tafna, Wadi Tafna, Wâdy Tafna)	Algeria	ca.	-1.4711;35.2978	
Tafua (see Tafna, oued)	Algeria	ca.	-1.4711;35.2978	
Wad Tafna (see Tafna, oued)	Algeria	ca.	-1.4711;35.2978	
Wadi Tafna (see Tafna, oued)	Algeria	ca.	-1.4711;35.2978	
Wâdy Tafna (see Tafna, oued)	Algeria	ca.	-1.4711;35.2978	

NW 35001Ac:

Aïn Témouchent province (see also: Wilaya de Aïn Temouchent)	Algeria	ca.	-1.0833;35.3333	
Wilaya de Aïn Temouchent (see Aïn Témouchent province)	Algeria	ca.	-1.0833;35.3333	

NW 35000Db:

Les Andalouses, 20 km W Oran (see also: Oran, 20 km W)	Algeria		-0.8925;35.7044	0 m
M'Sila Forest, 20 km W Oran	Algeria		-0.8736;35.6489	508 m

NW 35000Da:

Eljani (see Heljani)	Algeria		-0.6167;35.7000	121 m
Heljani (see also: Eljani)	Algeria		-0.6167;35.7000	121 m
Misserghin, 12 km SW Oran (see also: Oran, 12 km SW)	Algeria		-0.7408;35.6117	78 m
Misserghin Gorge, cave of 4th source	Algeria	ca.	-0.7371;35.6047	
Oran (see also: Ouahran, Wahran)	Algeria		-0.6500;35.6833	110 m
Oran, 12 km SW (see Misserghin)	Algeria		-0.7167;35.6333	
Ouahran (see Oran)	Algeria		-0.6500;35.6833	110 m
Wahran (see Oran)	Algeria		-0.6500;35.6833	110 m

NW 35000Cb:

Oued Tlélat (see also: Oued-Trelat, Saint-Barbe-du-Tlélat, Sainte-Barbe-Du-Trelat)	Algeria		-0.4472;35.5489	152 m
Oued-Trelat (see Oued Tlélat)	Algeria		-0.4472;35.5489	152 m
Saint-Barbe-du-Tlélat (see Oued Tlélat)	Algeria		-0.4472;35.5489	152 m
Sainte-Barbe-Du-Trelat (see Oued Tlélat)	Algeria		-0.4472;35.5489	152 m

NW 35000Ca:

Saint-Denis-du-Sig (see Sig)	Algeria	-0.1953;35.5278	73 m
Sig	Algeria	-0.1953;35.5278	73 m
(see also: Saint-Denis-du-Sig)			

NW 35000Ad:

Cheurfas, Barrages des	Algeria	-0.2500;35.4000	

NE 35001Dc:

Djebel Ouarsenis (see Ouarsenis, Djebel)	Algeria	1.6333;35.8667	
Ouarsenis, Djebel	Algeria	1.6333;35.8667	
(see also: Djebel Ouarsenis)			

NE 35002Dc:

Boghar	Algeria	2.7167;35.9114	847 m

NE 35002Bd:

Ain Oussera	Algeria	2.9058;35.4514	683 m
(see also: El Oussera, Paul Cazelles)			
El Oussera (see Ain Oussera)	Algeria	2.9058;35.4514	683 m
Paul Cazelles (see Ain Oussera)	Algeria	2.9058;35.4514	683 m

NE 35004Da:

Mouzdjadjo	Algeria	4.5500;35.7000	
M'Sila	Algeria	4.5419;35.7058	508 m
(see also: Thamsilt)			
Thamsilt (see M'Sila)	Algeria	4.5419;35.7058	508 m

NE 35005Db:

Batna province	Algeria	ca. 5.9167;35.5000	
(see also: Aurès province |PC: BT|, Wilaga de l' Aures , Wilaya de Batna)			
Wilaga de l' Aures (see Batna province)	Algeria	ca. 5.9167;35.5000	
Wilaya de Batna (see Batna province)	Algeria	ca. 5.9167;35.5000	

NE 35006Ca:

Batna	Algeria	6.1667;35.5667	

NE 35006Aa:

Aurasius Mons (see Aurès mountains)	Algeria	6.1667;35.2333	
Aurès mountains	Algeria	6.1667;35.2333	
(see also: Aurasius Mons, Djebel Aurès)			
Djebel Aurès (see Aurès mountains)	Algeria	6.1667;35.2333	

NE 35008Db:

Djebel el Oust (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala	Tunisia	8.8830;35.5603	
Djebel Ouest (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala	Tunisia	8.8830;35.5603	
Djebel Oust (see Jabal al Wast), 6 km S Oum Djeddour, 28 km E Thala	Tunisia	8.8830;35.5603	
Jabal al Wast, 6 km S Oum Djeddour, 28 km E Thala	Tunisia	8.8830;35.5603	
(see also: Djebel el Oust , Djebel Ouest, Djebel Oust, Oum Djeddour, 6 km S, Thala, 28 km E)			
Oum Djeddour, 6 km S (see Jabal al Wast)	Tunisia	8.8830;35.5603	
Thala, 28 km E (see Jabal al Wast)	Tunisia	8.8830;35.5603	

NE 35008Bb:

Bordj Chambi	Tunisia	8.7581;35.2342	630 m
(see also: Bordj de Chambi, Burj ash Sha'nabi, Burj ash Sha'nabi,, Chambi, Le Chambi)			

Bordj de Chambi (see Bordj Chambi)	Tunisia	8.7581;35.2342	630 m
Burj ash Sha'nabi (see Bordj Chambi)	Tunisia	8.7581;35.2342	630 m
Burj ash Sha'nabi, (see Bordj Chambi)	Tunisia	8.7581;35.2342	630 m
Chambi (see Bordj Chambi)	Tunisia	8.7581;35.2342	630 m
Le Chambi (see Bordj Chambi)	Tunisia	8.7581;35.2342	630 m

NE 35009Cc:

Mactaris ruins (see Maktar ruins)	Tunisia	9.2058;35.8606	923 m
Maktar ruins, under large baths of the southeast (see also: Mactaris ruins, Makthar ruins)	Tunisia	9.2058;35.8606	923 m
Makthar ruins (see Maktar ruins)	Tunisia	9.2058;35.8606	923 m

NE 35009Dc:

Ain Dhab, Jebel Serdj	Tunisia	9.5497;35.9367	
Damoos Saïd, Jebel Serdj	Tunisia	9.5497;35.9367	

NE 35009Ca:

Ar Raw?iyah, 10 km NE (see Sbeitla, pool 40 km NW)	Tunisia	9.1328;35.7285	
Rohia, 10 km NE (see Sbeitla, pool 40 km NW)	Tunisia	9.1328;35.7285	
Sbeitla, 60 km N (see Sbeitla, pool 40 km NW)	Tunisia	9.1328;35.7285	
Scarna mine, 10 km NE Rohia, 60 km N Sbeitla	Tunisia	9.1328;35.7285	
Souk et Tnine, 10 km N (see Sbeitla, pool 40 km NW)	Tunisia	9.1328;35.7285	

NE 35009Da:

Djebel Trozza mine, 50 km WSW Kairouan (see also: Kairouan, 50 km WSW)	Tunisia	9.5914;35.5020	
Kairouan, 50 km WSW (see Djebel Trozza mine)	Tunisia	9.5914;35.5020	

NE 35009Ad:

Sbeitla, pool 40 km NW, 4 km N of GP 3, on MC 77 (see also: Ar Raw?iyah, 10 km NE, Rohia, 10 km NE, Sbeitla, 60 km N, Souk et Tnine, 10 km N)	Tunisia	ca. 9.4393;35.3560	

NE 35009Bc:

Hadjeb el Aïoun pool, near (see Grombalia, 10 km W), 4 km NW of GP 3 on MC 77	Tunisia	9.5456;35.3969	
Hadjeb el Aïoune pool, near (see Grombalia, 10 km W), 4 km NW of GP 3 on MC 77	Tunisia	9.5456;35.3969	
Hajeb el Aïoun pool, near, 4 km NW of GP 3 on MC 77	Tunisia	9.5456;35.3969	

NE 35009Ab:

Gammouda valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia	9.4936;35.0403	312 m
Qamudah valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia	9.4936;35.0403	312 m
Sidi Bou Zid valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia	9.4936;35.0403	312 m
Sidi Bouzid valley, Bni Snassene massive (see also: Gammouda valley, Qamudah valley, Sidi Bou Zid valley, Sidi Bu Zayd valley)	Tunisia	9.4936;35.0403	312 m
Sidi Bu Zayd valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia	9.4936;35.0403	312 m

NE 35010Dc:

Hadrumetum (see Sousse)	Tunisia	10.6411;35.8256	0 m
Sousa (see Sousse)	Tunisia	10.6411;35.8256	0 m
Souse (see Sousse)	Tunisia	10.6411;35.8256	0 m
Soussa (see Sousse)	Tunisia	10.6411;35.8256	0 m
Sousse (see also: Hadrumetum, Sousa, Souse, Soussa, Susa, Susah)	Tunisia	10.6411;35.8256	0 m
Susa (see Sousse)	Tunisia	10.6411;35.8256	0 m
Susah (see Sousse)	Tunisia	10.6411;35.8256	0 m

NW 34006Bb:

Rabat	Morocco		-6.8442;34.0139	24 m

NW 34005Dc:

Ouezzane, 10 km W	Morocco		-5.6830;34.7670	

NW 34004Cb:

Azrou	Morocco		-4.3447;34.5206	1039 m

NW 34004Bd:

Taounat, 15 km WSW (see Taounate, 15 km WSW)	Morocco		-4.8000;34.4833	
Taounate, 15 km WSW (see also: Taounat, 15 km WSW, Tawnat, 15 km WSW)	Morocco		-4.8000;34.4833	
Tawnat, 15 km WSW (see Taounate, 15 km WSW)	Morocco		-4.8000;34.4833	

NW 34004Ad:

Grotte de Kef-el-Rhar (see Kef-el-Rhar, cave)	Morocco		-4.2600;34.4800	ca. 500 m
Kef er Rhar (see Kef-el-Rhar, cave)	Morocco		-4.2600;34.4800	ca. 500 m
Kef-el-Rhar, cave (see also: Grotte de Kef-el-Rhar, Kef er Rhar)	Morocco		-4.2600;34.4800	ca. 500 m

NW 34004Ba:

Oued el-Ammar, Sebt-des-Aït, Serhrouchen	Morocco		-4.5600;34.1000	
Sebt Aït Saghiouchen (see also: Sebt Aït Seghouchen, Sebt-des-Ait-Serhrouchen)	Morocco		-4.5534;34.0063	
Sebt Aït Seghouchen (see Sebt Aït Saghiouchen)	Morocco		-4.5534;34.0063	
Sebt-des-Ait-Serhrouchen (see Sebt Aït Saghiouchen)	Morocco		-4.5534;34.0063	

NW 34004Aa:

Bab Bou Idir, near Taza	Morocco		-4.1206;34.0692	
Grotte de Ras El Oued (see also: Ras El Oued, cave)	Morocco		-4.0000;34.1500	
Ras El Oued, cave (see Grotte de Ras El Oued)	Morocco		-4.0000;34.1500	
Taza, Lead mine [=Mine de Plomb]	Morocco		-4.0167;34.2167	598 m
Taza, 13 km S	Morocco		-4.0670;34.1500	

NW 34002Cd:

Aïn Taforalt (see Taforhalt)	Morocco		-2.4000;34.8100	911 m
Berkán (see Berkane)	Morocco		-2.3294;34.9211	179 m
Berkane (see also: Berkán, Berkawe)	Morocco		-2.3294;34.9211	179 m
Berkawe (see Berkane)	Morocco		-2.3294;34.9211	179 m
Camel cave, valley, near Berkane, Zegzel plateau (see also: Grotte des chameaux)	Morocco	ca.	-2.3333;34.7500	1155 m
Camp d'Aïn Tafouralt (see Taforhalt)	Morocco		-2.4000;34.8100	911 m
Grotte de Tazarine (see Tazarine cave)	Morocco		-2.3294;34.9211	
Grotte de Zegzel (see Zegzel cave)	Morocco		-2.3294;34.9211	
Grotte des chameaux (see Camel cave, valley)	Morocco	ca.	-2.3333;34.7500	1155 m
Taforalt (see Taforhalt)	Morocco		-2.4000;34.8100	911 m
Taforalt, 3 km NE	Morocco		-2.4000;34.8170	
Taforalt, 9 km NE	Morocco		-2.3670;34.8330	
Taforhalt (see also: Aïn Taforalt, Camp d'Aïn Tafouralt, Taforalt)	Morocco		-2.4000;34.8100	911 m
Tazarine cave (see also: Grotte de Tazarine)	Morocco		-2.3294;34.9211	
Zegzel cave (see also: Grotte de Zegzel)	Morocco		-2.3294;34.9211	

NW 34002Bd:

Cascades Bou Mazouz, 10 km NW Taourirt	Morocco	ca.	-2.9808;34.4661	

NW 34001Cb:

Sebdou	Algeria		-1.3331;34.6425	904 m
Sebdou, 20 km NW	Algeria	ca.	-1.3331;34.6425	

NE 34000Db:

Kapasakwany (see Kapsokwony)	Kenya		0.8333;34.7000	
Kapsokwony (see also: Kapasakwany)	Kenya		0.8333;34.7000	

NE 34003Cb:

Djelfa (see also: Jelfa)	Algeria		3.2500;34.6667	1126 m
Jelfa (see Djelfa)	Algeria		3.2500;34.6667	1126 m

NE 34003Ac:

Blida and Laghouat, between	Algeria	ca.	3.0000;34.3333	

NE 34005Dc:

Biskra	Algeria		5.7333;34.8500	213 m

NE 34005Dd:

Biskra, 17 km SE (see Sidi Okba)	Algeria		5.9000;34.7500	
Sidi Okba, 17 km SE Biskra (see also: Biskra, 17 km SE)	Algeria		5.9000;34.7500	150 m

NE 34005Da:

Oumache (see also: Oumash, Umasch, Umash)	Algeria		5.6833;34.7000	103 m
Oumash (see Oumache)	Algeria		5.6833;34.7000	103 m
Umasch (see Oumache)	Algeria		5.6833;34.7000	103 m
Umash (see Oumache)	Algeria		5.6833;34.7000	103 m

NE 34005Bd:

Biskra, 51 km S (see Bordj de Chegga)	Algeria		5.9333;34.4167	3 m
Bordj Chegga (see Bordj de Chegga), 51 km S from Biskra	Algeria		5.9333;34.4167	3 m
Bordj de Chegga, 51 km S from Biskra (see also: Biskra, 51 km S, Bordj Chegga, Borj Chegga, Chaegga, Chegga)	Algeria		5.9333;34.4167	3 m
Borj Chegga (see Bordj de Chegga), 51 km S from Biskra	Algeria		5.9333;34.4167	3 m
Chaegga (see Bordj de Chegga), 51 km S from Biskra	Algeria		5.9333;34.4167	3 m
Chegga (see Bordj de Chegga), 51 km S from Biskra	Algeria		5.9333;34.4167	3 m

NE 34007Bd:

Tamaghzah oasis (see also: Tamerza oasis)	Tunisia		7.9500;34.3833	441 m
Tamerza oasis (see Tamaghzah oasis)	Tunisia		7.9500;34.3833	441 m

NE 34008Dc:

Feriana (see also: Furriyanah)	Tunisia		8.5667;34.9500	733 m
Furriyanah (see Feriana)	Tunisia		8.5667;34.9500	733 m

NE 34008Ac:

Aïoun Ameur, near, 4 km S Redeyef (see also: Ameur, Aïoun, near, Amir, 'Uyun, near, Redeyef, 4 km S, Uyun 'Amir, near)	Tunisia	ca.	8.1500;34.3167	
Ameur, Aïoun, near (see Aïoun Ameur, near), 4 km S Redeyef	Tunisia	ca.	8.1500;34.3167	
Amir, 'Uyun, near (see Aïoun Ameur, near), 4 km S Redeyef	Tunisia	ca.	8.1500;34.3167	

Ar Rudayyif (see also: Redevef, Redevel, Redeyef)	Tunisia		8.1500;34.3833	574 m
Redevef (see Ar Rudayyif)	Tunisia		8.1500;34.3833	574 m
Redevel (see Ar Rudayyif)	Tunisia		8.1500;34.3833	574 m
Redeyef (see Ar Rudayyif)	Tunisia		8.1500;34.3833	574 m
Redeyef, 4 km S (see Aïoun Ameur, near)	Tunisia	ca.	8.1500;34.3167	
Uyun 'Amir, near (see Aïoun Ameur, near), 4 km S Redeyef	Tunisia	ca.	8.1500;34.3167	

NE 34008Ad:

Bled Douarah, 43 km W Gafsa	Tunisia	ca.	8.3500;34.3000	
Metlaoui and Redeyef, between	Tunisia		8.4000;34.3333	

NE 34008Bd:

Al Ma?ilah (see M'Dilla abandoned Phosphate mines)	Tunisia		8.7500;34.2500	387 m
Capsa (see Gafsa)	Tunisia		8.7842;34.4250	297 m
Gafsa (see also: Capsa, Gafso, Justiniania, Kafsa, Kaphza, Qafsah)	Tunisia		8.7842;34.4250	297 m
Gafsa, 20 km S (see M'Dilla abandoned Phosphate mines)	Tunisia		8.7500;34.2500	387 m
Gafsa, cave near (see also: Kaphza, cave near)	Tunisia		8.7833;34.4333	
Gafso (see Gafsa)	Tunisia		8.7842;34.4250	297 m
Justiniania (see Gafsa)	Tunisia		8.7842;34.4250	297 m
Kafsa (see Gafsa)	Tunisia		8.7842;34.4250	297 m
Kaphza (see Gafsa)	Tunisia		8.7842;34.4250	297 m
Kaphza, cave near (see Gafsa, cave near)	Tunisia		8.7833;34.4333	
Le Mdilla (see M'Dilla abandoned Phosphate mines)	Tunisia		8.7500;34.2500	387 m
M'dhilla (see M'Dilla abandoned Phosphate mines)	Tunisia		8.7500;34.2500	387 m
M'Dilla abandoned Phosphate mines, 20 km S Gafsa (see also: Al Ma?ilah, Gafsa, 20 km S, Le Mdilla, M'dhilla, Village de la Mine)	Tunisia		8.7500;34.2500	387 m
Qafsah (see Gafsa)	Tunisia		8.7842;34.4250	297 m
Village de la Mine (see M'Dilla abandoned Phosphate mines)	Tunisia		8.7500;34.2500	387 m

NE 34008Ab:

Dgomous Reserve	Tunisia		8.4761;34.0486	

NE 34009Bc:

Bou Hedma National Park Headquarters	Tunisia	ca.	9.5399;34.4860	

NE 34009Aa:

Djebel Ank, mine (see Jabal al 'Unq, mine), 30 km SE Gafsa	Tunisia		9.0149;34.2338	
Djebel el Ank, mine (see Jabal al 'Unq, mine), 30 km SE Gafsa	Tunisia		9.0149;34.2338	
Gafsa, 30 km SE (see Jabal al 'Unq, mine)	Tunisia		9.0149;34.2338	
Jabal al 'Unq, mine, 30 km SE Gafsa (see also: Djebel Ank, mine, Djebel el Ank, mine, Gafsa, 30 km SE)	Tunisia		9.0149;34.2338	

NE 34010Db:

Safaqis (see Sfax)	Tunisia		10.7603;34.7406	12 m
Sfax (see also: Safaqis, Taparura)	Tunisia		10.7603;34.7406	12 m
Taparura (see Sfax)	Tunisia		10.7603;34.7406	12 m

NW 33007Cc:

Rabat, 17 km SE	Morocco		-7.0333;33.8167	

NW 33007Da:

Jorf El Roumi Nsebis cave	Morocco		-7.5408;33.6142	

NW 33007Cb:

Nafifik forest	Morocco		-7.3333;33.7167	

NW 33006Dc:

Tiflet, 21 km W	Morocco		-6.5667;33.9833	

NW 33006Cd:

Tiflet, 15 km W	Morocco		-6.4500;33.9330	

NW 33006Bc:

Sidi Sibara, 3 km SW	Morocco	ca.	-6.7439;33.4093	

NW 33005Dc:

Mekinez (see Meknès)	Morocco		-5.5500;33.9000	547 m
Meknès (see also: Mekinez)	Morocco		-5.5500;33.9000	547 m

NW 33005Cc:

Aïn Chhief (see Aïn Chkef)	Morocco		-5.0197;33.9633	508 m
Aïn Chkef, 6 km S Fès; Junto Camping (see also: Aïn Chhief, Ain Chkef, Ain Chqef, Aïn-Chkeff, Douar Ain Chkef, Fès, 6 km S)	Morocco		-5.0197;33.9633	508 m
Ain Chkef (see Aïn Chkef)	Morocco		-5.0197;33.9633	508 m
Ain Chqef (see Aïn Chkef)	Morocco		-5.0197;33.9633	508 m
Aïn-Chkeff (see Aïn Chkef)	Morocco		-5.0197;33.9633	508 m
Bir Regaga, Kef Aïssa, 12 km W Imouzzer du Kandar (see also: Imouzzer du Kandar, 12 km W)	Morocco	ca.	-5.0833;33.7500	
Douar Ain Chkef (see Aïn Chkef)	Morocco		-5.0197;33.9633	508 m
Fès, 6 km S (see Aïn Chkef)	Morocco		-5.0197;33.9633	508 m
Imouzzer du Kandar, 12 km W (see Bir Regaga, Kef Aïssa)	Morocco	ca.	-5.0833;33.7500	

NW 33005Ca:

Ifrane	Morocco		-5.1000;33.5333	1713 m

NW 33005Ad:

Afenourir, lake (see Afnourir, lake)	Morocco		-5.2500;33.2833	
Afnourir, lake, 26 km S Azrou (see also: Afenourir, lake, Azrou, 26 km S, Lac Afenourir, Lac Afnourir)	Morocco		-5.2500;33.2833	
Aïn Leuh	Morocco		-5.3372;33.2882	
Azrou, 26 km S (see Afnourir, lake)	Morocco		-5.2500;33.2833	
Lac Afenourir (see Afnourir, lake)	Morocco		-5.2500;33.2833	
Lac Afnourir (see Afnourir, lake)	Morocco		-5.2500;33.2833	

NW 33005Aa:

Bakrit (see Bekrit)	Morocco		-5.2100;33.0800	1793 m
Bekrit (see also: Bakrit, Bekrite, Berkit)	Morocco		-5.2100;33.0800	1793 m
Bekrite (see Bekrit)	Morocco		-5.2100;33.0800	1793 m
Berkit (see Bekrit)	Morocco		-5.2100;33.0800	1793 m

NW 33004Cc:

El Kelaa n'Tazarine (see Tazarine)	Morocco		-4.1800;33.8800	1395 m
Tazarine (see also: El Kelaa n'Tazarine, Tazarine-des-Zerarda, Tazzarine)	Morocco		-4.1800;33.8800	1395 m
Tazarine, 3 km NW	Morocco	ca.	-4.1833;33.8833	
Tazarine-des-Zerarda (see Tazarine)	Morocco		-4.1800;33.8800	1395 m
Tazzarine (see Tazarine)	Morocco		-4.1800;33.8800	1395 m

NW 33004Da:

Middle Atlas (see Moyen Atlas)	Morocco		-4.5000;33.5000	
Moyen Atlas	Morocco		-4.5000;33.5000	
(see also: Middle Atlas)				

NW 33004Aa:

Missour, 15 km SW	Morocco		-4.0830;33.1330	

NW 33003Bb:

Misour (see Missour)	Morocco		-3.9900;33.0500	895 m
Missour	Morocco		-3.9900;33.0500	895 m
(see also: Misour)				

NW 33000Db:

Naâma province	Algeria	ca.	-0.8333;33.5000	
(see also: Wilaya de Naama)				
Wilaya de Naama (see Naâma province)	Algeria	ca.	-0.8333;33.5000	

NE 33001Ab:

Brezina	Algeria		1.2569;33.0997	825 m
(see also: Brezina cave)				
Brezina cave (see Brezina)	Algeria		1.2569;33.0997	825 m
El Kohol	Algeria		1.4719;33.0544	

NE 33002Dd:

Laghouat, oasis	Algeria		2.9167;33.8167	750 m

NE 33006Ca:

Djama (see Djamaa)	Algeria		6.0000;33.5333	120 m
Djamaa	Algeria		6.0000;33.5333	120 m
(see also: Djama, Djemâa)				
Djemâa (see Djamaa)	Algeria		6.0000;33.5333	120 m

NE 33007Dd:

Sidi Hassen Ayet memorial building, 4.5 km S Nefta	Tunisia		7.8667;33.8333	

NE 33007Ca:

Hassi Kalifa (see Hassi Khelifa)	Algeria		7.0000;33.5833	41 m
Hassi Khelifa	Algeria		7.0000;33.5833	41 m
(see also: Hassi Kalifa)				

NE 33008Cc:

Oasis Tozeur	Tunisia		8.1333;33.9206	43 m
Tawzar (see Tozeur)	Tunisia		8.1333;33.9206	43 m
Tozeur	Tunisia		8.1333;33.9206	43 m
(see also: Tawzar)				
Tozeur, Oasis	Tunisia		8.1333;33.9206	43 m

NE 33008Db:

Kebili, Nefzaoua	Tunisia		8.9736;33.7019	34 m
(see also: Qibili)				
Qibili (see Kebili), Nefzaoua	Tunisia		8.9736;33.7019	34 m

NE 33009Dd:

Al ?ammah (see El Hamma), near Gabès	Tunisia		9.8000;33.9000	58 m
El Hamma	Tunisia		9.8000;33.9000	58 m
(see also: Al ?ammah, El Hamma de Gabès, El Hamma de l'Arad, El Hammah)				
El Hamma de Gabès (see El Hamma)	Tunisia		9.8000;33.9000	58 m
El Hamma de l'Arad (see El Hamma), near Gabès	Tunisia		9.8000;33.9000	58 m

El Hammah (see El Hamma), near Gabès	Tunisia		9.8000;33.9000	58 m

NE 33009Ca:

Nafzawah (see also: Nefzaoua)	Tunisia	ca.	9.0000;33.5000	
Nefzaoua (see Nafzawah)	Tunisia	ca.	9.0000;33.5000	

NE 33009Db:

Kalaa Matmata, near (see Matmata, near), Boukedma	Tunisia		9.9667;33.5500	400 m
Matmata, near, Boukedma (see also: Kalaa Matmata, near, Matmatah near)	Tunisia		9.9667;33.5500	400 m
Matmatah near (see Matmata, near), Boukedma	Tunisia		9.9667;33.5500	400 m

NE 33009Ac:

Douz, Nefzaoua (see also: Duz)	Tunisia		9.0203;33.4663	
Duz (see Douz), Nefzaoua	Tunisia		9.0203;33.4663	

NE 33010Cc:

Abes (see Gabès), Qabis province	Tunisia		10.1167;33.8833	0 m
Gabès, Qabis province (see also: Abes, Kabis, Qabes, Qabis, Tacapae, Tacape)	Tunisia		10.1167;33.8833	0 m
Kabis (see Gabès), Qabis province	Tunisia		10.1167;33.8833	0 m
Qabes (see Gabès), Qabis province	Tunisia		10.1167;33.8833	0 m
Qabis (see Gabès), Qabis province	Tunisia		10.1167;33.8833	0 m
Tacapae (see Gabès), Qabis province	Tunisia		10.1167;33.8833	0 m
Tacape (see Gabès), Qabis province	Tunisia		10.1167;33.8833	0 m

NE 33010Dd:

Djerba (see Île de Jerba)	Tunisia		10.9000;33.8000	
Djerba island (see Île de Jerba)	Tunisia		10.9000;33.8000	
Djerbeh (see Île de Jerba)	Tunisia		10.9000;33.8000	
Gerba (see Île de Jerba)	Tunisia		10.9000;33.8000	
Île de Djerba (see Île de Jerba)	Tunisia		10.9000;33.8000	
Île de Jerba (see also: Djerba, Djerba island, Djerbeh, Gerba, Île de Djerba, Isola di Gérba, Jazirat Jarbah, Jerba, Jerba island)	Tunisia		10.9000;33.8000	
Isola di Gérba (see Île de Jerba)	Tunisia		10.9000;33.8000	
Jazirat Jarbah (see Île de Jerba)	Tunisia		10.9000;33.8000	
Jerba (see Île de Jerba)	Tunisia		10.9000;33.8000	
Jerba island (see Île de Jerba)	Tunisia		10.9000;33.8000	

NE 33010Ac:

Gabès, 45 km S (see Toujane, 3 km N(W))	Tunisia		10.1333;33.4937	
Toudjane (see Tujan)	Tunisia		10.1333;33.4667	599 m
Toujane (see Tujan)	Tunisia		10.1333;33.4667	599 m
Toujane, 3 km N(W), on MC 104, 45 km S Gabès (see also: Gabès, 45 km S)	Tunisia		10.1333;33.4937	
Tujan (see also: Toudjane, Toujane)	Tunisia		10.1333;33.4667	599 m

NE 33010Aa:

Gabès, 100 km S	Tunisia		10.0000;33.0000	

NE 33011Aa:

Ben Gardan (see Bir Qirdan)	Tunisia		11.2167;33.1333	8 m
Ben Gardane (see Bir Qirdan)	Tunisia		11.2167;33.1333	8 m
Ben-Gardán (see Bir Qirdan)	Tunisia		11.2167;33.1333	8 m
Bir Qirdan (see also: Ben Gardan, Ben Gardane, Ben-Gardán)	Tunisia		11.2167;33.1333	8 m

NW 32017Ca:

Madeira (Portugal)	Madeira (Portugal)	-17.0000;32.7333	
Madeira Island	Madeira (Portugal)	-17.0000;32.7333	

NW 32016Db:

Funchal	Madeira (Portugal)	-16.9078;32.6564	

NW 32009Ab:

Safi, 13 km S	Morocco	-9.2500;32.1830	

NW 32007Da:

Mechra Benabbou, 11 km SE	Morocco	-7.7170;32.6000	

NW 32003Ca:

Anoual	Morocco	-3.1000;32.6600	1188 m

NW 32003Bb:

Azigza cave (see Kef Azigza cave)	Morocco	-3.7833;32.0333	1060 m
Grotte d'Azigza (see Kef Azigza cave)	Morocco	-3.7833;32.0333	1060 m
Grotte de Kef Aziza (see Kef Azigza cave)	Morocco	-3.7833;32.0333	1060 m
Kef Azigza cave, Oued Guir (see also: Azigza cave, Grotte d'Azigza, Grotte de Kef Aziza, Kef Aziza cave)	Morocco	-3.7833;32.0333	1060 m
Kef Aziza cave (see Kef Azigza cave)	Morocco	-3.7833;32.0333	1060 m
Takoumit oasis	Morocco	-3.7667;32.0833	1115 m

NW 32001Ab:

Defilia oasis	Morocco	-1.3800;32.1600	958 m

NW 32001Aa:

Figuig (see also: Figuiq)	Morocco	-1.2269;32.1167	878 m
Figuiq (see Figuig)	Morocco	-1.2269;32.1167	878 m

NW 32000Dc:

Aïn Sefra (see also: Aïne Sefra)	Algeria	-0.5833;32.7500	1081 m
Aïne Sefra (see Aïn Sefra)	Algeria	-0.5833;32.7500	1081 m

NW 32000Ca:

Aïn Ouarka (see also: Ain Ouarka)	Algeria	-0.1536;32.7308	
Ain Ouarka (see Aïn Ouarka)	Algeria	-0.1536;32.7308	

NE 32003Bc:

Ghardaïa (see also: Rhardaïa)	Algeria	3.6667;32.4833	572 m
Rhardaïa (see Ghardaïa)	Algeria	3.6667;32.4833	572 m

NE 32010Cd:

Ad Duwayrat (see Douirat)	Tunisia	10.2833;32.8667	460 m
Douirat (see also: Ad Duwayrat)	Tunisia	10.2833;32.8667	460 m
Foum Tatahouine (see Tataouine)	Tunisia	10.4500;32.9333	246 m
Foum Tatahouine, 2 km S, on GP 19, 1 km E highway, French fortification	Tunisia	10.4500;32.9153	
Foum Tataouine (see Tataouine)	Tunisia	10.4500;32.9333	246 m
Fum Tatawin (see Tataouine)	Tunisia	10.4500;32.9333	246 m
Fumm Tattauin (see Tataouine)	Tunisia	10.4500;32.9333	246 m
Tatahouïne (see Tataouine)	Tunisia	10.4500;32.9333	246 m

Tataouine (see also: Foum Tatahouine, Foum Tataouine, Fum Tatawin, Fumm Tattauin, Tatahouïne, Tatawin)	Tunisia	10.4500;32.9333	246 m
Tatawin (see Tataouine)	Tunisia	10.4500;32.9333	246 m

NE 32012Cd:

Madinat Sabratah (see Sabratah)	Libya	12.4847;32.7919	6 m
Madinat Sabratah (see Sabratah)	Libya	12.4847;32.7919	6 m
Sábra (see Sabratah)	Libya	12.4847;32.7919	6 m
Sábra (see Sabratah)	Libya	12.4847;32.7919	6 m
Sabrah (see Sabratah)	Libya	12.4847;32.7919	6 m
Sabrah (see Sabratah)	Libya	12.4847;32.7919	6 m
Sabrah (see Sabratah)	Libya	12.4847;32.7919	6 m
Sabratah (see also: Madinat Sabratah, Sábra, Sabrah, Sabratha)	Libya	12.4847;32.7919	6 m
Sabratah (see also: Madinat Sabratah, Sábra, Sabrah, Sabrah, Sabratha)	Libya	12.4847;32.7919	6 m
Sabratha (see Sabratah)	Libya	12.4847;32.7919	6 m
Sabratha (see Sabratah)	Libya	12.4847;32.7919	6 m

NE 32013Cc:

Aea (see Tarabulus)	Libya	13.1800;32.8925	6 m
Ea (see Tarabulus)	Libya	13.1800;32.8925	6 m
Oea (see Tarabulus)	Libya	13.1800;32.8925	6 m
Taràbles (see Tarabulus)	Libya	13.1800;32.8925	6 m
Tarabulus (see also: Aea, Ea, Oea, Taràbles, Tarabulus al Gharb, Tarabulus el Gharb, Tripoli)	Libya	13.1800;32.8925	6 m
Tarabulus al Gharb (see Tarabulus)	Libya	13.1800;32.8925	6 m
Tarabulus el Gharb (see Tarabulus)	Libya	13.1800;32.8925	6 m
Tripoli (see Tarabulus)	Libya	13.1800;32.8925	6 m

NE 32013Da:

Ar Sharsharah (see Wadi ash Sharsharah)	Libya	13.5667;32.5333	
Wadi ash Sharsharah (see also: Ar Sharsharah)	Libya	13.5667;32.5333	

NE 32014Cb:

Labdah (see Leptis Magna)	Libya	14.3118;32.6303	
Lébda (see Leptis Magna)	Libya	14.3118;32.6303	
Leptis Magna (see also: Labdah, Lébda)	Libya	14.3118;32.6303	

NE 32020Da:

Al ‘Aquriyah (see Tukrah)	Libya	20.5728;32.5317	22 m
Taukra (see Tukrah)	Libya	20.5728;32.5317	22 m
Teuchira (see Tukrah)	Libya	20.5728;32.5317	22 m
Tocra (see Tukrah)	Libya	20.5728;32.5317	22 m
Tokrah (see Tukrah)	Libya	20.5728;32.5317	22 m
Tukrah (see also: Al ‘Aquriyah, Taukra, Teuchira, Tocra, Tokrah, Tukrah)	Libya	20.5728;32.5317	22 m
Tukrah (see Tukrah)	Libya	20.5728;32.5317	22 m

NE 32020Ad:

Al Bayda, 5 km SW (see Kuf National Park)	Libya	20.4167;32.3000	
Cuf National Park (see Kuf National Park)	Libya	20.4167;32.3000	
Kouf National Park (see Kuf National Park)	Libya	20.4167;32.3000	
Kuf National Park, 5 km SW Al Bayda (see also: Al Bayda, 5 km SW, Cuf National Park, Kouf National Park)	Libya	20.4167;32.3000	

NE 32020Aa:

Banghazi (see also: Bengasi, Bengazi, Benghasi, Benghazi, Berenice, Binghazi, Hesperides)	Libya	20.0667;32.1167	0 m
Bengasi (see Banghazi)	Libya	20.0667;32.1167	0 m
Bengazi (see Banghazi)	Libya	20.0667;32.1167	0 m
Benghasi (see Banghazi)	Libya	20.0667;32.1167	0 m
Benghazi (see Banghazi)	Libya	20.0667;32.1167	0 m
Berenice (see Banghazi)	Libya	20.0667;32.1167	0 m
Binghazi (see Banghazi)	Libya	20.0667;32.1167	0 m
Hesperides (see Banghazi)	Libya	20.0667;32.1167	0 m

NE 32020Ba:

Al Abyar (see also: Al Abyar, Alabia, El Abiar, Madirat al Abyar)	Libya	20.5958;32.1903	274 m
Al Abyar (see Al Abyar)	Libya	20.5958;32.1903	274 m
Alabia (see Al Abyar)	Libya	20.5958;32.1903	274 m
El Abiar (see Al Abyar)	Libya	20.5958;32.1903	274 m
Madirat al Abyar (see Al Abyar)	Libya	20.5958;32.1903	274 m

NE 32021Cd:

Haniya, 8 km SSE	Libya	21.4500;32.7667	

NE 32021Dc:

Al Bayda' (see also: Al Bay?a', Al-Baida, Az Zawiyah al Bay?a', Baida, Balagrae, Balis, Bayda, Beda, Beida, El Beida, White Monastery, Zauia el Beda, Zawiat al-Baida, Zawiyat al Bay?a', Zawiyat el-Be?a')	Libya	21.7417;32.7664	623 m
Al Bay?a' (see Al Bayda')	Libya	21.7417;32.7664	623 m
Al-Baida (see Al Bayda')	Libya	21.7417;32.7664	623 m
Az Zawiyah al Bay?a' (see Al Bayda')	Libya	21.7417;32.7664	623 m
Baida (see Al Bayda')	Libya	21.7417;32.7664	623 m
Balagrae (see Al Bayda')	Libya	21.7417;32.7664	623 m
Balis (see Al Bayda')	Libya	21.7417;32.7664	623 m
Bayda (see Al Bayda')	Libya	21.7417;32.7664	623 m
Beda (see Al Bayda')	Libya	21.7417;32.7664	623 m
Beida (see Al Bayda')	Libya	21.7417;32.7664	623 m
El Beida (see Al Bayda')	Libya	21.7417;32.7664	623 m
Kufanta, Roman aquaduct	Libya	21.5667;32.7667	
Luigi Razza (see Massah)	Libya	21.6267;32.7519	482 m
Massah (see also: Luigi Razza, Méssa, Razza)	Libya	21.6267;32.7519	482 m
Méssa (see Massah)	Libya	21.6267;32.7519	482 m
Razza (see Massah)	Libya	21.6267;32.7519	482 m
White Monastery (see Al Bayda')	Libya	21.7417;32.7664	623 m
Zauia el Beda (see Al Bayda')	Libya	21.7417;32.7664	623 m
Zawiat al-Baida (see Al Bayda')	Libya	21.7417;32.7664	623 m
Zawiyat al Bay?a' (see Al Bayda')	Libya	21.7417;32.7664	623 m
Zawiyat el-Be?a' (see Al Bayda')	Libya	21.7417;32.7664	623 m

NE 32021Dd:

Labraq, 5 km SW	Libya	21.9667;32.7500	

NE 32021Da:

Baida, 4 km S	Libya	21.7167;32.7333	
Cuf, Uádi el (see Wadi al Kuf)	Libya	21.5833;32.7000	330 m
Gasr Béni Gdem (see Qasr al Maqdam)	Libya	21.6000;32.6333	
Gasr esc-Sciandèn (see Qasr ash Shahdayn)	Libya	21.5833;32.6167	
Jabal Akhdar Mountains (see Wadi al Kuf), 8 km SW Massah	Libya	21.5833;32.7000	330 m
Kouf Park lodge, 3 km S (see Kuf National Park lodge, 3 km S)	Libya	21.5667;32.6833	
Kuf National Park lodge, 3 km S (see also: Kouf Park lodge, 3 km S)	Libya	21.5667;32.6833	

Kuf, Wadi al (see Wadi al Kuf)	Libya		21.5833;32.7000	330 m
Massah, 8 km SW (see Wadi al Kuf)	Libya		21.5833;32.7000	330 m
Qasr al Maqdam (see also: Gasr Béni Gdem, Qasr Bani Qadam, Qasr Maqdam)	Libya		21.6000;32.6333	
Qasr ash Shahdayn (see also: Gasr esc-Sciandèn)	Libya		21.5833;32.6167	
Qasr Bani Qadam (see Qasr al Maqdam)	Libya		21.6000;32.6333	
Qasr Maqdam (see Qasr al Maqdam)	Libya		21.6000;32.6333	
Quasr Shadane	Libya		21.5667;32.6000	
Uádi el Cuf (see Wadi al Kuf)	Libya		21.5833;32.7000	330 m
Wadi al Kuf, 8 km SW Massah (see also: Cuf, Uádi el, Jabal Akhdar Mountains, Kuf, Wadi al, Massah, 8 km SW, Uádi el Cuf, Wadi Kuf)	Libya		21.5964;32.7100	330 m

NE 32021Ac:

Sidi Mohammad Al Mablehut (see Sidi Mu?ammad al Mabkhut)	Libya		21.0022;32.4660	
Sidi Mu?ammad al Mabkhut (see also: Sidi Mohammad Al Mablehut)	Libya		21.0022;32.4660	

NE 32022Cc:

Uàdi el Manscia (see Wadi al Manshiyah)	Libya		22.0500;32.9000	
Wadi al Manshiyah (see also: Uàdi el Manscia , Wadi al Minshiyah)	Libya		22.0500;32.9000	
Wadi al Minshiyah (see Wadi al Manshiyah)	Libya		22.0500;32.9000	

NE 32022Da:

Darnah, 6 km S (see Wadi Darnah)	Libya		22.6111;32.7017	
Wadi Darnah, 6 km S of Darnah (see also: Darnah, 6 km S)	Libya		22.6111;32.7017	
Wadi Darnah, cave at, 10 km S Darnah	Libya		22.6000;32.6833	

NE 32041Bb:

Shush	Iran		41.8333;32.1833	500 ft

NW 31009Db:

As Suwayrah (see Essaouira)	Morocco		-9.7697;31.5131	11 m
Es Suira (see Essaouira)	Morocco		-9.7697;31.5131	11 m
Essaouira (see also: As Suwayrah, Es Suira, Magador, Mogadar, Mogador)	Morocco		-9.7697;31.5131	11 m
Ha-ha, Mogador	Morocco	ca.	-9.7500;31.5000	
Magador (see Essaouira)	Morocco		-9.7697;31.5131	11 m
Mogadar (see Essaouira)	Morocco		-9.7697;31.5131	11 m
Mogador (see Essaouira)	Morocco		-9.7697;31.5131	11 m

NW 31008Db:

Chichaoua, Rif (see also: Chichaua, Mzala Chichaoua)	Morocco		-8.7661;31.5444	322 m
Chichaoua, 20 km S, Rif	Morocco	ca.	-8.7833;31.5000	
Chichaua (see Chichaoua), Rif	Morocco		-8.7661;31.5444	322 m
Mzala Chichaoua (see Chichaoua), Rif	Morocco		-8.7661;31.5444	322 m

NW 31008Ca:

Marrakech, E of (see also: Marrakesh, E of)	Morocco	ca.	-8.0000;31.6300	
Marrakesh, E of (see Marrakech, E of)	Morocco	ca.	-8.0000;31.6300	

NW 31008Ac:

Asni, 2 km N	Morocco		-8.0000;31.2500	
Grotte du plateau de Kik (see Kik plateau cave)	Morocco	ca.	-8.1667;31.2500	
Kik plateau cave (see also: Grotte du plateau de Kik, Réserve des monts Mandingues)	Morocco	ca.	-8.1667;31.2500	

NW 31008Aa:

Ijoukak	Morocco	-8.1600;31.0000	1196 m
(see also: Izoukak)			
Izoukak (see Ijoukak)	Morocco	-8.1600;31.0000	1196 m

NW 31007Cb:

Talkount	Morocco	-7.2600;31.6600	851 m
(see also: Talkout)			
Talkout (see Talkount)	Morocco	-7.2600;31.6600	851 m

NW 31007Ba:

Ourika, cascades, near Setti-Fatma	Morocco	-7.6692;31.2203	

NW 31005Db:

Aït-Ali, ca. 5 km N (see Gorges du Dadès)	Morocco	-5.9333;31.5167	1750 m
Gorges du Dadès	Morocco	-5.9333;31.5167	1750 m
(see also: Aït-Ali, ca. 5 km N)			

NW 31005Da:

Ksar Tamtettouchet (see Tamtetoucht)	Morocco	-5.5300;31.6700	2247 m
Tamtattoucht (see Tamtetoucht)	Morocco	-5.5300;31.6700	2247 m
Tamtattouchte (see Tamtetoucht)	Morocco	-5.5300;31.6700	2247 m
Tamtetoucht	Morocco	-5.5300;31.6700	2247 m
(see also: Ksar Tamtettouchet, Tamtattoucht, Tamtattouchte)			

NW 31004Cd:

Meski	Morocco	-4.2881;31.8553	957 m
(see also: Mesky)			
Mesky (see Meski)	Morocco	-4.2881;31.8553	957 m

NW 31004Ca:

Aoufous, Tafilatt	Morocco	-4.1778;31.6889	881 m
(see also: Aoufouss, Centre d'Aoufous)			
Aoufouss (see Aoufous), Tafilatt	Morocco	-4.1778;31.6889	881 m
Centre d'Aoufous (see Aoufous), Tafilatt	Morocco	-4.1778;31.6889	881 m

NW 31003Bb:

Erg Merzouga, sandy desert	Morocco	-3.9836;31.0711	
(see also: Merzouga dunes)			
Merzouga dunes (see Erg Merzouga)	Morocco	-3.9836;31.0711	

NW 31002Ca:

Béchar	Algeria	-2.2167;31.6167	747 m
(see also: Colomb Béchar)			
Bechar, 8 km NE	Algeria	-2.1500;31.6000	ca. 747 m
Colomb Béchar (see Béchar)	Algeria	-2.2167;31.6167	747 m

NW 31002Ba:

Abadla	Algeria	-2.7333;31.0167	588 m
Ksar el Abadla (see Natron See)	Algeria	-2.7333;31.0167	588 m

NE 31005Cd:

Ouargla	Algeria	5.3278;31.9575	149 m

NE 31011Dd:

Nana Tala	Libya	11.8851;31.9207	
Nanatala	Libya	11.8851;31.9207	

NE 31012Cc:

‘Ayn az Zarqa’ (see also: Ain Az Zarqa, Ain Zérga)	Libya		12.0144;31.9242	
Ain Az Zarqa (see ‘Ayn az Zarqa’)	Libya		12.0144;31.9242	
Ain Zérga (see ‘Ayn az Zarqa’)	Libya		12.0144;31.9242	

NE 31020Ac:

Carcura (see Kurkurah)	Libya		20.0278;31.4264	18 m
Drepanun (see Kurkurah)	Libya		20.0278;31.4264	18 m
Karkurah (see Kurkurah)	Libya		20.0278;31.4264	18 m
Karkurah (see Kurkurah)	Libya		20.0278;31.4264	18 m
Kurkurah (see also: Carcura, Drepanun, Karkurah, Karkurah)	Libya		20.0278;31.4264	18 m

NE 31025Cc:

Al Bardi (see Al Burdi)	Libya		25.0833;31.7500	
Al Burdi (see also: Al Bardi)	Libya		25.0833;31.7500	

NE 31026Bd:

Marsa Matruh, 20 mi [=32 km] W (see also: Mersa Matruh, 20 mi [=32 km] W)	Egypt		26.8928;31.3500	
Mersa Matruh, 20 mi [=32 km] W (see Marsa Matruh, 20 mi [=32 km] W)	Egypt		26.8928;31.3500	

NE 31027Ac:

Al Qasr, 5 mi W Mersa Matruh (see also: El Qasr, Mersa Matruh, 5 mi [=8 km] W)	Egypt		27.1167;31.3667	20 m
El Guan, 1 mi W Mersa Matruh (see also: Mersa Matruh, 1 mi [=1.6 km] W)	Egypt	ca.	27.1167;31.3667	
El Qasr (see Al Qasr), 5 mi W Mersa Matruh	Egypt		27.1167;31.3667	20 m
El Qasr, 1 mi [=1.6 km] W (see El Sheikh Salem)	Egypt	ca.	27.1167;31.3667	
El Sheikh Salem, 1 mi W El Qasr (see also: El Qasr, 1 mi [=1.6 km] W)	Egypt	ca.	27.1167;31.3667	
Madara (see Marsá Matru?)	Egypt		27.2333;31.3500	40 m
Marsá Matru? (see also: Madara, Matru?, Mersa Matrouh, Mersa Ma?rû?, Mhadara, Paraetonium)	Egypt		27.2333;31.3500	40 m
Marsa Matruh, near (see also: Mersa Matruh, near)	Egypt	ca.	27.2333;31.3500	
Matru? (see Marsá Matru?)	Egypt		27.2333;31.3500	40 m
Mersa Matrouh (see Marsá Matru?)	Egypt		27.2333;31.3500	40 m
Mersa Ma?rû? (see Marsá Matru?)	Egypt		27.2333;31.3500	40 m
Mersa Matruh, 1 mi [=1.6 km] W (see El Guan)	Egypt	ca.	27.1167;31.3667	
Mersa Matruh, 15 mi [=24 km] NW (see Zawyet Umm El Rakham (island), 0.5 mi [=0.8 km])	Egypt		27.0500;31.4000	
Mersa Matruh, 5 mi [=8 km] W (see Al Qasr)	Egypt		27.1167;31.3667	20 m
Mersa Matruh, near (see Marsa Matruh, near)	Egypt	ca.	27.2333;31.3500	
Mhadara (see Marsá Matru?)	Egypt		27.2333;31.3500	40 m
Paraetonium (see Marsá Matru?)	Egypt		27.2333;31.3500	40 m
Zawiyat Umm ar Rakham (see also: Zawiyet Umm el Rakham, Zâwyet Umm el Rakham)	Egypt		27.0500;31.4000	5 m
Zawiyet Umm el Rakham (see Zawiyat Umm ar Rakham)	Egypt		27.0500;31.4000	5 m
Zawyet Umm El Rakham (island), 0.5 mi [=0.8 km], 15 mi NW Mersa Matruh (see also: Mersa Matruh, 15 mi [=24 km] NW)	Egypt		27.0500;31.4000	
Zâwyet Umm el Rakham (see Zawiyat Umm ar Rakham)	Egypt		27.0500;31.4000	5 m

NE 31029Bb:

Al Iskandariyah (see also: Alessandria, Alexandria, Alexandrie, El Iskandariya, Iskandarîya, Iskindiriya)	Egypt		29.9192;31.1981	4 m
Alessandria (see Al Iskandariyah)	Egypt		29.9192;31.1981	4 m
Alexandria (see Al Iskandariyah)	Egypt		29.9192;31.1981	4 m

Alexandrie (see Al Iskandariyah)	Egypt		29.9192;31.1981	4 m
Bu?ayrat Maryut (see also: El Maryût, Lac Maréotis, Lake Mariout, Lake Mariut, Lake Marout, Lake Maryut, Maréotis, Mariout, lake, Mariut, lake, Marout, lake, Maryut, lake)	Egypt		29.9045;31.1576	
Bu?ayrat Maryut, SW of (see also: Maréotis, SW of lake)	Egypt	ca.	29.9045;31.1576	
El Iskandariya (see Al Iskandariyah)	Egypt		29.9192;31.1981	4 m
El Maryût (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	
Iskandarîya (see Al Iskandariyah)	Egypt		29.9192;31.1981	4 m
Iskindiriya (see Al Iskandariyah)	Egypt		29.9192;31.1981	4 m
Lac Maréotis (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	
Lake Mariout (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	
Lake Mariut (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	
Lake Marout (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	
Lake Maryut (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	
Maréotis (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	
Maréotis, SW of lake (see Bu?ayrat Maryut, SW of)	Egypt	ca.	29.9045;31.1576	
Mariout, lake (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	
Mariut, lake (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	
Marout, lake (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	
Maryut, lake (see Bu?ayrat Maryut)	Egypt		29.9045;31.1576	

NE 31030Bc:

Cow Shed Royal Farms (see Idfina)	Egypt		30.5125;31.2936	1 m
Edfina (see Idfina)	Egypt		30.5125;31.2936	1 m
Idfina (see also: Cow Shed Royal Farms, Edfina, Rosetta, 8 mi [=12.9 km] SW)	Egypt		30.5125;31.2936	1 m
Rosetta, 8 mi [=12.9 km] SW (see Idfina)	Egypt		30.5125;31.2936	1 m

NE 31031Bb:

Manzala East	Egypt		31.9333;31.1667	

NE 31032Ad:

Lake Manzala, 10 mi S Port Said (see also: Manzala, lake, Port Said, 10 mi [=16 km] S)	Egypt		32.3000;31.2833	
Manzala, lake (see Lake Manzala), 10 mi S Port Said	Egypt		32.3000;31.2833	
Port Said, 10 mi [=16 km] S (see Lake Manzala)	Egypt		32.3000;31.2833	
Port Said, 8 km S	Egypt	ca.	32.3000;31.2833	

NE 31032Aa:

Barr ash Sharqiyah (see Barr el-Sharqiya)	Egypt		32.0625;31.0153	
Barr el-Sharqiya (see also: Barr ash Sharqiyah, Sharqiya)	Egypt		32.0625;31.0153	
Sharqiya (see Barr el-Sharqiya)	Egypt		32.0625;31.0153	

NE 31033Bb:

Al Arish (see Al'Arish)	Egypt		33.8019;31.1261	33 m
Al'Arish (see also: Al Arish, City of Cut Noses, El Arish, El-'Arîsh, Rhinocolorum, Rhinocolura, Rhinocorura, Rhinokorura)	Egypt		33.8019;31.1261	33 m
City of Cut Noses (see Al'Arish)	Egypt		33.8019;31.1261	33 m
El Arish (see Al'Arish)	Egypt		33.8019;31.1261	33 m
El-'Arîsh (see Al'Arish)	Egypt		33.8019;31.1261	33 m
Rhinocolorum (see Al'Arish)	Egypt		33.8019;31.1261	33 m
Rhinocolura (see Al'Arish)	Egypt		33.8019;31.1261	33 m
Rhinocorura (see Al'Arish)	Egypt		33.8019;31.1261	33 m
Rhinokorura (see Al'Arish)	Egypt		33.8019;31.1261	33 m

NW 30009Dc:

Dcheira, lower Sousse Valley	Morocco		-9.5333;30.8833	

NW 30009Db:

Agadir, 30 km NW (see Tiguerte cave)	Morocco	ca.	-9.8333;30.6333	
Tiguerte cave, 30 km NW Agadir (see also: Agadir, 30 km NW)	Morocco	ca.	-9.8333;30.6333	

NW 30009Cb:

Grotte Win Timdouine (see Win Timdouine cave)	Morocco		-9.3450;30.6803	
Win Timdouine cave, near Agadir (see also: Grotte Win Timdouine, Wintimdouine cave)	Morocco		-9.3450;30.6803	
Wintimdouine cave (see Win Timdouine cave)	Morocco		-9.3450;30.6803	

NW 30009Bc:

Dcheïra, near Inezgane, lower Sousse valley	Morocco		-9.5333;30.3667	12 m

NW 30006Dd:

Ait Ouarzazate (see Warzat)	Morocco		-6.9133;30.9253	1276 m
Aït Ouarzazate (see Warzat)	Morocco		-6.9133;30.9253	1276 m
Ouarzazat (see Warzat)	Morocco		-6.9133;30.9253	1276 m
Ouarzazate (see Warzat)	Morocco		-6.9133;30.9253	1276 m
Ouarzazate, 5 km S	Morocco		-6.9170;30.8670	
Ouarzazate, 5 km SE	Morocco		-6.9500;30.8830	
Ouarzazate, 5 km SW	Morocco		-6.9500;30.8830	
Ouarzazate, 6 km N	Morocco		-6.9170;30.9170	
Ouarzazate, 9 km SE	Morocco		-6.8670;30.8670	
Ouarzazte (see Warzat)	Morocco		-6.9133;30.9253	1276 m
Ouorzazate (see Warzat)	Morocco		-6.9133;30.9253	1276 m
Uarzazatas (see Warzat)	Morocco		-6.9133;30.9253	1276 m
Warzat (see also: Ait Ouarzazate, Aït Ouarzazate, Ouarzazat, Ouarzazate, Ouarzazte, Ouorzazate, Uarzazatas, Warzazat, Warzazat)	Morocco		-6.9133;30.9253	1276 m
Warzazat (see Warzat)	Morocco		-6.9133;30.9253	1276 m
Warzazat (see Warzat)	Morocco		-6.9133;30.9253	1276 m

NW 30006Dc:

Ouarzazat, 19 km E (see also: Ouarzazate, 19 km E, Ouarzazte, 19 km E, Ouorzazate, 19 km E)	Morocco		-6.7167;30.9500	
Ouarzazate, 19 km E (see Ouarzazat, 19 km E)	Morocco		-6.7167;30.9500	
Ouarzazte, 19 km E (see Ouarzazat, 19 km E)	Morocco		-6.7167;30.9500	
Ouorzazate, 19 km E (see Ouarzazat, 19 km E)	Morocco		-6.7167;30.9500	

NW 30006Bb:

Foum Zguid	Morocco		-6.8750;30.0900	760 m
Foum Zguid, 4 km S	Morocco		-6.8830;30.0670	

NW 30005Dc:

Ouarzazate, 3 km NW	Morocco		-5.6000;30.8000	

NW 30005Ba:

Anagam (see Foum Anagame), Oued Draâ	Morocco		-5.6300;30.1300	
Foum Anagame (see also: Anagam)	Morocco		-5.6300;30.1300	

NW 30002Aa:

Béni Abbès (see also: Beni Abbes)	Algeria		-2.1667;30.1333	470 m
Beni Abbes (see Béni Abbès) (see also: Benni Abbes)	Algeria		-2.1667;30.1333	470 m
Béni Abbès, 15 km N	Algeria	ca.	-2.1667;30.1333	
Benni Abbes (see Beni Abbes)	Algeria		-2.1667;30.1333	470 m

Marhouma (see also: Markouma)	Algeria		-2.0706;30.0045	430 m
Markouma (see Marhouma)	Algeria		-2.0706;30.0045	430 m
Wadi Sauria	Algeria		-2.2333;30.1833	

NW 30001Ab:

Hassi Fokra	Algeria		-1.4353;30.1556	

NE 30002Db:

El Goléa (see also: El Golea)	Algeria		2.8833;30.5667	423 m
El Golea (see El Goléa)	Algeria		2.8833;30.5667	423 m

NE 30006Ca:

Ouargla province (see also: Wilaya de Ouargla)	Algeria	ca.	6.1667;30.5000	
Wilaya de Ouargla (see Ouargla province)	Algeria	ca.	6.1667;30.5000	

NE 30029Dc:

Alexandria, 40 km W (see Burj al'Arab)	Egypt		29.5333;30.9167	9 m
Bahig (see Bahij), West of Alexandria	Egypt		29.5833;30.9333	2 m
Bahig (see Bahij), West of Alexandria	Egypt		29.5833;30.9333	2 m
Bahij, West of Alexandria (see also: Bahig, Bahig)	Egypt		29.5833;30.9333	2 m
Burg el'Arab (see Burj al'Arab)	Egypt		29.5333;30.9167	9 m
Burgh-El-Arab (see Burj al'Arab)	Egypt		29.5333;30.9167	9 m
Burj al'Arab, 40 km W Alexandria (see also: Alexandria, 40 km W, Burg el'Arab, Burgh-El-Arab)	Egypt		29.5333;30.9167	9 m

NE 30029Dd:

Ikingi Mariut (see Ikinji Maryut)	Egypt		29.7667;30.9925	23 m
Ikingi Maryut (see Ikinji Maryut)	Egypt		29.7667;30.9925	23 m
Ikinj Maryut (see Ikinji Maryut)	Egypt		29.7667;30.9925	23 m
Ikinji Maryut (see also: Ikingi Mariut, Ikingi Maryut, Ikinj Maryut)	Egypt		29.7667;30.9925	23 m

NE 30030Dc:

Kawm ?amadah (see also: Kôm ?amâda)	Egypt		30.6989;30.7558	13 m
Kôm ?amâda (see Kawm ?amadah)	Egypt		30.6989;30.7558	13 m

NE 30030Ac:

Wadi an Natrun (see also: Wadi El Natroun, Wadi el Natrûn , Wadi en Natrun , Wadi Natroen, Wadi Natroon, Wadi Natrun, Wadi Netroon)	Egypt		30.2167;30.4167	
Wadi El Natroun (see Wadi an Natrun)	Egypt		30.2167;30.4167	
Wadi el Natrûn (see Wadi an Natrun)	Egypt		30.2167;30.4167	
Wadi en Natrun (see Wadi an Natrun)	Egypt		30.2167;30.4167	
Wadi Natroen (see Wadi an Natrun)	Egypt		30.2167;30.4167	
Wadi Natroon (see Wadi an Natrun)	Egypt		30.2167;30.4167	
Wadi Natrun (see Wadi an Natrun)	Egypt		30.2167;30.4167	
Wadi Netroon (see Wadi an Natrun)	Egypt		30.2167;30.4167	

NE 30030Bd:

Abu Ghaleb, 2 km N (see also: Abu Ghalib, 2 km N)	Egypt	ca.	30.9333;30.2667	ca. 25 m
Abu Ghalib, 2 km N (see Abu Ghaleb, 2 km N)	Egypt	ca.	30.9333;30.2667	ca. 25 m
Al Khatatibah (see also: El Kha?a?ba)	Egypt		30.8333;30.3833	21 m
El Kha?a?ba (see Al Khatatibah)	Egypt		30.8333;30.3833	21 m
Kafr Da'ud (see also: Kafr Dâwûd)	Egypt		30.8167;30.4667	12 m
Kafr Dâwûd (see Kafr Da'ud)	Egypt		30.8167;30.4667	12 m

Wardan	Egypt		30.9000;30.3167	7 m

NE 30031Cd:

As Sinbillawayn (see also: As Sunbullawayn, El-Simbillâwein, Es Simbillawein, Simbilawein, Simbillawein)	Egypt		31.4631;30.8819	11 m
As Sinbillawayn, 5 mi [=8 km] W (see also: Simbilawein, 5 mi [=8 km] W)	Egypt	ca.	31.4667;30.8833	
As Sunbullawayn (see As Sinbillawayn)	Egypt		31.4631;30.8819	11 m
El-Simbillâwein (see As Sinbillawayn)	Egypt		31.4631;30.8819	11 m
Es Simbillawein (see As Sinbillawayn)	Egypt		31.4631;30.8819	11 m
Simbilawein (see As Sinbillawayn)	Egypt		31.4631;30.8819	11 m
Simbilawein, 5 mi [=8 km] W (see As Sinbillawayn, 5 mi [=8 km] W)	Egypt	ca.	31.4667;30.8833	
Simbillawein (see As Sinbillawayn)	Egypt		31.4631;30.8819	11 m

NE 30031Aa:

Abu Rauwâsh (see Abu Rawwash), 5 mi NW Giza	Egypt		31.0925;30.0456	6 m
Abu Rawash (see Abu Rawwash), 5 mi NW Giza	Egypt		31.0925;30.0456	6 m
Abu Rawash, 2 km N	Egypt	ca.	31.0833;30.0333	
Abu Rawash, 5 km W	Egypt	ca.	31.0833;30.0333	
Abu Rawwash, 5 mi NW Giza (see also: Abu Rauwâsh, Abu Rawash, Abu Roash, Abu Ruwash, Aburoash, Ezbet Abu Rauwâsh, Ezbet Abu Roash, Giza, 5 mi [=8 km] NW)	Egypt		31.0925;30.0456	6 m
Abu Rawwash, 2 km N	Egypt	ca.	31.0833;30.0333	
Abu Rawwash, 5 km W	Egypt	ca.	31.0833;30.0333	
Abu Roash (see Abu Rawwash), 5 mi NW Giza	Egypt		31.0925;30.0456	6 m
Abu Ruwash (see Abu Rawwash), 5 mi NW Giza	Egypt		31.0925;30.0456	6 m
Abu-Rawash and the pyramids, between	Egypt	ca.	31.0833;30.0333	
Aburoash (see Abu Rawwash)	Egypt		31.0925;30.0456	6 m
Al Jizah	Egypt		31.2122;30.0861	17 m
Al Mansuriyah (see also: El Mansuriya, El-Man?ûrîya)	Egypt		31.0714;30.1369	28 m
Al Mansuriyah, 4 km W (see also: El Mansuriya, 4 km W)	Egypt	ca.	31.0714;30.1369	
Al-Fustat (see Misr al Qadimah)	Egypt		31.2333;30.0167	16 m
Bakkari (see Mandisha)	Egypt		31.1398;30.0190	
Cairo and Ismaila, between	Egypt		31.0000;30.0000	
El Fostat (see Misr al Qadimah)	Egypt		31.2333;30.0167	16 m
El Fustat (see Misr al Qadimah)	Egypt		31.2333;30.0167	16 m
El Gezira (see Jazirat az Zamalik)	Egypt		31.2219;30.0568	
El Gizeh	Egypt		31.2122;30.0861	17 m
El Mansuriya (see Al Mansuriyah)	Egypt		31.0714;30.1369	28 m
El Mansuriya, 4 km W (see Al Mansuriyah, 4 km W)	Egypt	ca.	31.0714;30.1369	
El-Gîza	Egypt		31.2122;30.0861	17 m
El-Man?ûrîya (see Al Mansuriyah)	Egypt		31.0714;30.1369	28 m
Ezbet Abu Rauwâsh (see Abu Rawwash), 5 mi NW Giza	Egypt		31.0925;30.0456	6 m
Ezbet Abu Roash (see Abu Rawwash), 5 mi NW Giza	Egypt		31.0925;30.0456	6 m
Gezira Island (see Jazirat az Zamalik)	Egypt		31.2219;30.0568	
Gezîret el-Zamâlik (see Jazirat az Zamalik)	Egypt		31.2219;30.0568	
Ghizeh	Egypt		31.2122;30.0861	17 m
Gîza (see also: Giza, Gizah, Gizeh)	Egypt		31.2108;30.0081	22 m
Giza (see Gîza)	Egypt		31.2108;30.0081	22 m
Giza, 5 mi [=8 km] NW (see Abu Rawwash)	Egypt	ca.	31.0925;30.0456	
Giza, near	Egypt	ca.	31.2122;30.0861	
Gizah (see Gîza)	Egypt		31.2108;30.0081	22 m
Gizeh (see Gîza), near Cairo	Egypt		31.2108;30.0081	22 m
Imbaba district	Egypt		31.0803;30.0645	
Jazirah Island (see Jazirat az Zamalik)	Egypt		31.2219;30.0568	
Jazirat az Zamalik (see also: El Gezira , Gezira Island , Gezîret el-Zamâlik, Jazirah Island)	Egypt		31.2219;30.0568	
Masr al-Qadimah (see Misr al Qadimah)	Egypt		31.2333;30.0167	16 m
Minshat al Bakkari (see Mandisha)	Egypt		31.1398;30.0190	
Minshât el-Bakkâri (see Mandisha)	Egypt		31.1398;30.0190	
Misr al Qadimah (see also: Al-Fustat, El Fostat, El Fustat, Masr al-Qadimah, Old Cairo)	Egypt		31.2333;30.0167	16 m
Munsha'at al Bakkari	Egypt		31.1398;30.0190	
Old Cairo (see Misr al Qadimah)	Egypt		31.2333;30.0167	16 m

NE 30031Ab:

Abbasieh (see Abbassia)	Egypt		31.2833;30.0667	45 m
'Abbâsîya (see Abbassia)	Egypt		31.2833;30.0667	45 m
'Abbasiyah (see Abbassia)	Egypt		31.2833;30.0667	45 m
'Abbâsîyeh (see Abbassia)	Egypt		31.2833;30.0667	45 m
Abbassia (see also: Abbasieh, 'Abbâsîya, 'Abbasiyah, 'Abbâsîyeh, Al 'Abbasiyah, El 'Abbasiya)	Egypt		31.2833;30.0667	45 m
Al 'Abbasiyah (see Abbassia)	Egypt		31.2833;30.0667	45 m
Al Jabal al A?mar (see also: Al Jabal al Ahmar, El Gebel el Ahmar , El Jebel el Ahmar, Gebel el Ahmar)	Egypt		31.3000;30.0500	
Al Jabal al Ahmar (see Al Jabal al A?mar) (see also: Gebel el Ahmar, Jebel Ahmar)	Egypt		31.3000;30.0500	
Al Qahirah (see also: Cairo, Cairo Citadel, El Kahira, El Kahirah, El-Qâhira, Kairo, Le Caire, Masr, Misr)	Egypt		31.2500;30.0500	22 m
Cairo (see Al Qahirah)	Egypt		31.2500;30.0500	22 m
Cairo Citadel (see Al Qahirah)	Egypt		31.2500;30.0500	22 m
Cairo, 20 km S (see also: Cairo, 20 km S)	Egypt	ca.	31.2500;30.0500	
Cairo, 20 km S (see Cairo, 20 km S)	Egypt	ca.	31.2500;30.0500	
Cairo, 20 mi [=32 km] E	Egypt	ca.	31.2500;30.0500	
Cairo, 5 km E	Egypt	ca.	31.2500;30.0500	
El 'Abbasiya (see Abbassia)	Egypt		31.2833;30.0667	45 m
El Gebel el Ahmar (see Al Jabal al A?mar)	Egypt		31.3000;30.0500	
El Jebel el Ahmar (see Al Jabal al A?mar)	Egypt		31.3000;30.0500	
El Kahira (see Al Qahirah)	Egypt		31.2500;30.0500	22 m
El Kahirah (see Al Qahirah)	Egypt		31.2500;30.0500	22 m
El-Qâhira (see Al Qahirah)	Egypt		31.2500;30.0500	22 m
Gebel el Ahmar (see Al Jabal al Ahmar)	Egypt		31.3000;30.0500	
Gebel el Ahmar (see Al Jabal al A?mar)	Egypt		31.3000;30.0500	
Jebel Ahmar (see Al Jabal al Ahmar)	Egypt		31.3000;30.0500	
Kairo (see Al Qahirah)	Egypt		31.2500;30.0500	22 m
Le Caire (see Al Qahirah)	Egypt		31.2500;30.0500	22 m
Masr (see Al Qahirah)	Egypt		31.2500;30.0500	22 m
Misr (see Al Qahirah)	Egypt		31.2500;30.0500	22 m
Sultan Hassan Mosque, Cairo	Egypt	ca.	31.2500;30.0500	
Sultan Mahmud Mosque, Cairo	Egypt		31.2500;30.0500	
Wadi Natrun, 12 mi W	Egypt	ca.	31.2500;30.0500	
Zokila	Egypt		31.2500;30.0500	
Zokilo cave, 12 mi W Wadi Natrun	Egypt	ca.	31.2500;30.0500	

NE 30032Cb:

Isthmus of Suez (see also: Suez, Isthmus)	Egypt		32.2500;30.5000	
Suez, Isthmus (see Isthmus of Suez)	Egypt		32.2500;30.5000	

NE 30033Ac:

Jebel Um Hashiba (see also: Um Hashiba)	Egypt	ca.	33.0826;30.2788	
Um Hashiba (see Jebel Um Hashiba)	Egypt		33.0826;30.2788	

NW 29009Dc:

Souq l'Arba N. Ayt Ahmad, 34 km WNW(?) Tiznit, Oued Massa (see also: Tiznit, 34 km WNW?)	Morocco	ca.	-9.6622;29.9956	
Tiznit, 34 km WNW? (see Souq l'Arba N. Ayt Ahmad)	Morocco	ca.	-9.6622;29.9956	

NW 29009Ba:

Bou Izakaren (see Bou Izakarn)	Morocco		-9.7300;29.1600	617 m
Bou Izakarene (see Bou Izakarn)	Morocco		-9.7300;29.1600	617 m
Bou Izakarn (see also: Bou Izakaren, Bou Izakarene, Bou Izakarne, Bu Isacarn)	Morocco		-9.7300;29.1600	617 m
Bou Izakarne (see Bou Izakarn)	Morocco		-9.7300;29.1600	617 m
Bu Isacarn (see Bou Izakarn)	Morocco		-9.7300;29.1600	617 m

NW 29008Aa:

Oued Drâa	Morocco	ca.	-8.0000;29.1667	

NW 29007Dd:

Aux environs de Tata (see Tata, near)	Morocco	ca.	-7.9833;29.7500	
Tata	Morocco		-7.9833;29.7500	670 m
(see also: Tatta)				
Tata, near	Morocco	ca.	-7.9833;29.7500	
(see also: Aux environs de Tata)				
Tatta (see Tata)	Morocco		-7.9833;29.7500	670 m

NW 29007Db:

Tata, 15 km S	Morocco	ca.	-7.9500;29.6330	
Tata, 8 km N	Morocco	ca.	-7.9333;29.7333	

NW 29004Db:

Glib Zegdou	Algeria		-4.7661;29.7136	

NE 29000Ad:

Ighzer cave	Algeria		0.3000;29.4667	ca. 322 m

NE 29024Da:

Al Jaghbub	Libya		24.5177;29.7424	0 m
(see also: El-Giagbúb, Giarabub, Jaghbub)				
El-Giagbúb (see Al Jaghbub)	Libya		24.5177;29.7424	0 m
Giarabub (see Al Jaghbub)	Libya		24.5177;29.7424	0 m
Jaghbub (see Al Jaghbub)	Libya		24.5177;29.7424	0 m

NE 29024Db:

Ba?r at Tubat	Libya		24.8795;29.6078	
(see also: Bahr el Tûbat (intermittent lake), Birket Qaseibaîya , El Qaseibaiya)				
Bahr el Tûbat (intermittent lake) (see Ba?r at Tubat)	Libya		24.8795;29.6078	
Birket Qaseibaîya (see Ba?r at Tubat)	Libya		24.8795;29.6078	
El Qaseibaiya (see Ba?r at Tubat)	Libya		24.8795;29.6078	

NE 29025Ba:

Siuah (see Siwah)	Egypt		25.5167;29.2000	-1 m
Siwa Oasis (see Siwah)	Egypt		25.5167;29.2000	-1 m
Siwah	Egypt		25.5167;29.2000	-1 m
(see also: Siuah, Siwa Oasis, Siwe)				
Siwe (see Siwah)	Egypt		25.5167;29.2000	-1 m

NE 29030Da:

Lake Moeris (see Moeris, Lake)	Egypt		30.7000;29.5500	
Moeris, Lake	Egypt		30.7000;29.5500	
(see also: Lake Moeris)				

NE 29030Db:

Kawm Awshim (see Kawm Ushim)	Egypt		30.8869;29.5564	-1 m
Kawm Awshim (see Kawm Ushim)	Egypt		30.8869;29.5564	-1 m
Kawm Ushim	Egypt		30.8869;29.5564	-1 m
(see also: Kawm Awshim, Kawm Awshim, Kom O Shim, Kom Omshin, Kom Oshim)				
Kom O Shim (see Kawm Ushim)	Egypt		30.8869;29.5564	-1 m
Kom Omshin (see Kawm Ushim)	Egypt		30.8869;29.5564	-1 m
Kom Oshim (see Kawm Ushim)	Egypt		30.8869;29.5564	-1 m

NE 29030Bc:

Al Wayet Shakshuk (see Shakshuk)	Egypt		30.7072;29.4628	
Al-Wayet Shakshuk (see Shakshuk)	Egypt		30.7072;29.4628	

Bahr Qârûn (see Birkat Qarun)	Egypt		30.6653;29.4748	
Birkat Qarun	Egypt		30.6653;29.4748	
(see also: Bahr Qârûn , Birkat Qaryn , Birket Qârûn, Karoun, lake, Lake Karoun, Lake Qarun, Qarun, lake)				
Birkat Qaryn (see Birkat Qarun)	Egypt		30.6653;29.4748	
Birket Qârûn (see Birkat Qarun)	Egypt		30.6653;29.4748	
El Wâyet Shakshuk (see Shakshuk)	Egypt		30.7072;29.4628	
Karoun, lake (see Birkat Qarun)	Egypt		30.6653;29.4748	
Lake Karoun (see Birkat Qarun)	Egypt		30.6653;29.4748	
Lake Qarun (see Birkat Qarun)	Egypt		30.6653;29.4748	
Lake Qarun, near	Egypt	ca.	30.6653;29.4748	
Qarun, lake (see Birkat Qarun)	Egypt		30.6653;29.4748	
Shak Shouk (see Shakshuk)	Egypt		30.7072;29.4628	
Shakshouk (see Shakshuk)	Egypt		30.7072;29.4628	
Shakshuk	Egypt		30.7072;29.4628	
(see also: Al Wayet Shakshuk, Al-Wayet Shakshuk, El Wâyet Shakshuk, Shak Shouk, Shakshouk, Shakshuk)				
Shakshuk (see Shakshuk)	Egypt		30.7072;29.4628	

NE 29030Bd:

Al Fayyum	Egypt		30.8400;29.3078	39 m
(see also: Arsinoë, Crocodilopolis, El Faiyûm, Faiyoum, Fayoom, Fayoum, Fayoum, caves, Fayum, Fayyoum, Fayyum, Madinet el Faiyum, Médinat el-Fayoum, Medinat Fayum, Medinet el Fayum, Shedit)				
Arsinoë (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Crocodilopolis (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
El Faiyûm (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Faiyoum (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Fayoom (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Fayoum (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Fayoum, caves (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Fayum (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Fayyoum (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Fayyum (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Madinet el Faiyum (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Médinat el-Fayoum (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Medinat Fayum (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Medinet el Fayum (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Saylah (see Silah)	Egypt		30.9689;29.3561	2 m
Seila (see Silah)	Egypt		30.9689;29.3561	2 m
Shedit (see Al Fayyum)	Egypt		30.8400;29.3078	39 m
Shenhour	Egypt		30.9667;29.3500	
Silah	Egypt		30.9689;29.3561	2 m
(see also: Saylah, Seila)				
Sinnuris	Egypt		30.8667;29.4167	17 m

NE 29030Bb:

Al Lahun	Egypt		30.9783;29.2192	5 m
(see also: El Lâhûn, Gebel el Lahun, Lahun)				
El Lâhûn (see Al Lahun)	Egypt		30.9783;29.2192	5 m
Gebel el Lahun (see Al Lahun)	Egypt		30.9783;29.2192	5 m
Heracleopolis Magna	Egypt		30.9411;29.0892	37 m
Herakleouspolis Magna	Egypt		30.9411;29.0892	37 m
Herakleouspolis Megalé	Egypt		30.9411;29.0892	37 m
Hierakopolis	Egypt		30.9411;29.0892	37 m
Ihnasiyat al Madinah	Egypt		30.9411;29.0892	37 m
Ihnasya al Madina	Egypt		30.9411;29.0892	37 m
Ihnasya al Madinah	Egypt		30.9411;29.0892	37 m
Ihnasya al Madinah	Egypt		30.9411;29.0892	37 m
Ihnasya el Madîna	Egypt		30.9411;29.0892	37 m
Ihnasyat al Madinah	Egypt		30.9411;29.0892	37 m
Lahun (see Al Lahun)	Egypt		30.9783;29.2192	5 m
(see also: El Lisht, El-Lisht)				

NE 29031Cc:

Abu Sir	Egypt		31.2167;29.8833	73 m
Abu Sir	Egypt		31.2167;29.8833	73 m

Abu Sir cave, W bank, by rock at cave, ca 15 m above the river	Sudan	ca.	31.2167;29.8833	
Cairo, near	Egypt		31.1167;29.9667	
Dahshur	Egypt		31.2333;29.7500	21 m
El-'Aiyat (see Saqqarah)	Egypt		31.2167;29.8500	19 m
Giza Pyramid	Egypt		31.1333;29.9833	
Giza pyramids	Egypt		31.1167;29.9667	
Giza pyramids area, old tomb W of Cheops pyramide	Egypt		31.1333;29.9833	
Giza pyramids, 1 km N	Egypt		31.1167;29.9667	
Giza pyramids, 2 km from	Egypt		31.1167;29.9667	
Great Pyramid	Egypt		31.1167;29.9667	
Sacarra pyramids (see Saqqarah)	Egypt		31.2167;29.8500	19 m
Sakhara (see Saqqarah)	Egypt		31.2167;29.8500	19 m
Sakkara (see Saqqarah)	Egypt		31.2167;29.8500	19 m
Sakkara pyramids (see Saqqarah)	Egypt		31.2167;29.8500	19 m
Sakkoura pyramids (see Saqqarah)	Egypt		31.2167;29.8500	19 m
Saqqara (see Saqqarah)	Egypt		31.2167;29.8500	19 m
?aqqâra (see Saqqarah)	Egypt		31.2167;29.8500	19 m
Saqqara pyramids (see Saqqarah)	Egypt		31.2167;29.8500	19 m
Saqqarah (see also: El-'Aiyat, Sacarra pyramids, Sakhara, Sakkara, Sakkara pyramids, Sakkoura pyramids, Saqqara, ?aqqâra, Saqqara pyramids)	Egypt		31.2167;29.8500	19 m

NE 29031Cd:

Al Badrashayn (see also: Badrashên, El Badrshein, El-Badrshein)	Egypt		31.2667;29.8500	21 m
Al Ma‘adi (see also: El Ma‘adi , Maadi, Ma'adi, Ma'adi al Khabiri , Ma‘âdi el-Khabîri , Ma‘âdi el-Khahîri , Meadi)	Egypt		31.2500;29.9667	
Al Ma‘adi, 8 mi [=12.8 km] from (see Wadi Digla), 8 mi [=12.8 km] from Maadi	Egypt		31.3000;29.9667	
Badrashên (see Al Badrashayn)	Egypt		31.2667;29.8500	21 m
El Badrshein (see Al Badrashayn)	Egypt		31.2667;29.8500	21 m
El Ma‘adi (see Al Ma‘adi)	Egypt		31.2500;29.9667	
El-Badrshein (see Al Badrashayn)	Egypt		31.2667;29.8500	21 m
Halwan, near Giza (see also: Helonan, Helouan, Hélouan-les-Bains, Helvan, Helwân, Hilwan, Hulwan, Les Bains)	Egypt		31.3333;29.8500	71 m
Helonan (see Halwan), near Giza	Egypt		31.3333;29.8500	71 m
Helouan (see Halwan), near Giza	Egypt		31.3333;29.8500	71 m
Hélouan-les-Bains (see Halwan), near Giza	Egypt		31.3333;29.8500	71 m
Helvan (see Halwan), near Giza	Egypt		31.3333;29.8500	71 m
Helwân (see Halwan), near Giza, Wadi Hof	Egypt		31.3333;29.8500	71 m
Hilwan (see Halwan), near Giza	Egypt		31.3333;29.8500	71 m
Hulwan (see Halwan), near Giza	Egypt		31.3333;29.8500	71 m
Les Bains (see Halwan), near Giza	Egypt		31.3333;29.8500	71 m
Maadi (see Al Ma‘adi)	Egypt		31.2500;29.9667	
Ma'adi (see Al Ma‘adi)	Egypt		31.2500;29.9667	
Ma'adi al Khabiri (see Al Ma‘adi)	Egypt		31.2500;29.9667	
Ma‘âdi el-Khabîri (see Al Ma‘adi)	Egypt		31.2500;29.9667	
Ma‘âdi el-Khahîri (see Al Ma‘adi)	Egypt		31.2500;29.9667	
Maadi, 8 mi [=12.8 km] from (see Wadi Digla), 8 mi [=12.8 km] from Maadi (see also: Mount Nimba East)	Egypt		31.3000;29.9667	
Meadi (see Al Ma‘adi)	Egypt		31.2500;29.9667	
Tora	Egypt		31.2667;29.9333	
Wadi Digla, 8 mi [=12.8 km] from Maadi (see also: Al Ma‘adi, 8 mi [=12.8 km] from, Maadi, 8 mi [=12.8 km] from)	Egypt		31.3000;29.9667	
Wadi ?awf (see also: Wâdi ?ôf)	Egypt		31.3000;29.8833	
Wâdi ?ôf (see Wadi ?awf) (see also: Wâdi Umm ‘Iliq)	Egypt		31.3000;29.8833	
Wâdi Umm ‘Iliq (see Wâdi ?ôf)	Egypt		31.3000;29.8833	

NE 29031Ca:

Al Lisht (see also: El-Lisht, Lisht)	Egypt		31.2333;29.5667	15 m
Al Lisht	Egypt		31.2333;29.5667	15 m
El Lisht (see Lahun)	Egypt		31.2333;29.5667	15 m

El-Lisht (see Al Lisht)	Egypt	31.2333;29.5667	15 m
El-Lisht (see Lahun)	Egypt	31.2333;29.5667	15 m
Lisht (see Al Lisht)	Egypt	31.2333;29.5667	15 m

NE 29031Ac:

Maidum (see Maydum pyramids)	Egypt	31.1722;29.3733	11 m
Maidum pyramids (see Maydum pyramids)	Egypt	31.1722;29.3733	11 m
Maydum (see Maydum pyramids)	Egypt	31.1722;29.3733	11 m
Maydum pyramids (see also: Maidum, Maidum pyramids, Maydum)	Egypt	31.1722;29.3733	11 m

NE 29031Aa:

Bani Suwayf (see also: Bani Suwayf, Bani Szuvajf kormányzóság, Beni Souef, Beni Sue, Beni Suef, Beni Suweif)	Egypt	31.0978;29.0744	24 m
Bani Suwayf (see Bani Suwayf)	Egypt	31.0978;29.0744	24 m
Bani Szuvajf kormányzóság (see Bani Suwayf)	Egypt	31.0978;29.0744	24 m
Beni Souef (see Bani Suwayf)	Egypt	31.0978;29.0744	24 m
Beni Sue (see Bani Suwayf)	Egypt	31.0978;29.0744	24 m
Beni Suef (see Bani Suwayf)	Egypt	31.0978;29.0744	24 m
Beni Suweif (see Bani Suwayf)	Egypt	31.0978;29.0744	24 m

NE 29032Cd:

Ataka Mountains (see Ataqah, Jabal), near Suez	Egypt	32.3333;29.9167	
Ataqah, Jabal, near Suez (see also: Ataka Mountains, Jabal Ataqah)	Egypt	32.3333;29.9167	
Jabal Ataqah (see Ataqah, Jabal), near Suez	Egypt	32.3333;29.9167	

NE 29032Dc:

Al Qulzum (see As Suways)	Egypt	32.5500;29.9667	2 m
As Suways (see also: Al Qulzum, Clysma, El Seweis, El Suweis, El-Qulzum, Es Suweis, Klysma, Suës, Suez)	Egypt	32.5500;29.9667	2 m
Clysma (see As Suways)	Egypt	32.5500;29.9667	2 m
El Seweis (see As Suways)	Egypt	32.5500;29.9667	2 m
El Suweis (see As Suways)	Egypt	32.5500;29.9667	2 m
El-Qulzum (see As Suways)	Egypt	32.5500;29.9667	2 m
Es Suweis (see As Suways)	Egypt	32.5500;29.9667	2 m
Klysma (see As Suways)	Egypt	32.5500;29.9667	2 m
Suës (see As Suways)	Egypt	32.5500;29.9667	2 m
Suez (see As Suways)	Egypt	32.5500;29.9667	2 m
Suez area	Egypt	32.5500;29.9667	

NE 29032Da:

Ras Abu el Darag, Gulf of Suez, Red Sea,	Egypt	32.5500;29.5500	

NE 29033Cc:

Aîn Sudr (see Ayn Sudr)	Egypt	33.1106;29.8158	
Ayn Sudr (see also: Aîn Sudr)	Egypt	33.1106;29.8158	

NE 29033Aa:

Abu Zanimah, 18 km N, 4 km from sea (see also: Abu Zenima, 18 km N, Abu Zuneim, 18 km N, Aby Zniema, 18 km N)	Egypt	33.1036;29.0497	0 m
Abu Zenima, 18 km N (see Abu Zanimah, 18 km N)	Egypt	33.1036;29.0497	0 m
Abu Zuneim, 18 km N (see Abu Zanimah, 18 km N)	Egypt	33.1036;29.0497	0 m
Aby Zniema, 18 km N (see Abu Zanimah, 18 km N)	Egypt	33.1036;29.0497	0 m

NE 29034Ca:

Ain Hudra (see Wadi Khu?rah)	Egypt	34.0570;29.5127	
Ain Khudra (see Wadi Khu?rah)	Egypt	34.0570;29.5127	
Ein Khudra (see Wadi Khu?rah)	Egypt	34.0570;29.5127	
Sinai	Egypt	ca. 34.0000;29.5000	

Wâdi el Khudara (see Wadi Khu?rah)	Egypt		34.0570;29.5127	
Wâdi Khu?ara (see Wadi Khu?rah)	Egypt		34.0570;29.5127	
Wadi Khu?rah (see also: Ain Hudra, Ain Khudra, Ein Khudra, Wâdi el Khudara, Wâdi Khu?ara)	Egypt		34.0570;29.5127	

NE 29034Ba:

Ain el Furtaga (see El-Tûr)	Egypt		34.5527;29.0457	
Ayn al Furtajah (see El-Tûr)	Egypt		34.5527;29.0457	
Ayn al Furtajah (see El-Tûr)	Egypt		34.5527;29.0457	

NE 29035Cc:

Eilat, 40 km N (see Wadi Araba)	Israel		35.0667;29.8500	
Yotwata (see Wadi Araba), 40 km N Eilat	Israel		35.0667;29.8500	

NE 29052Da:

Shiraz	Iran		52.5333;29.6000	4750 ft

NW 28017Dd:

Cuevas de los murciélagos (see also: Cuevas de Marcos)	Canary Islands (Spain)		-17.8400;28.7625	
Cuevas de Marcos (see Cuevas de los murciélagos)	Canary Islands (Spain)		-17.8400;28.7625	
Laurisilva forest, near Los Tilos	Canary Islands (Spain)	ca.	-17.8033;28.7897	
Los Tilos Nature Reserve (see Reserva Los Tilos)	Canary Islands (Spain)		-17.7986;28.7942	
Orotava	Canary Islands (Spain)		-17.7500;28.7667	
Reserva Los Tilos, Los Sauces (see also: Los Tilos Nature Reserve)	Canary Islands (Spain)		-17.7986;28.7942	

NW 28017Db:

La Palma	Canary Islands (Spain)		-17.8333;28.6667	

NW 28016Bc:

Barranco de La Cantera	Canary Islands (Spain)		-16.6500;28.3667	300 m
Tenerife	Canary Islands (Spain)		-16.5667;28.3167	

NW 28015Ba:

Agaete	Canary Islands (Spain)		-15.7000;28.1167	109 m

NW 28015Ab:

Las Palmas (see Las Palmas de Gran Canaria)	Canary Islands (Spain)		-15.4134;28.0997	
Las Palmas de Gran Canaria (see also: Las Palmas, Palmas)	Canary Islands (Spain)		-15.4134;28.0997	
Palmas (see Las Palmas de Gran Canaria)	Canary Islands (Spain)		-15.4134;28.0997	

NW 28011Ac:

Tan-Tan Plage, 30 km SE	Morocco		-11.1000;28.4333	

NW 28010Cc:

Goulimine (see Guelmim), Drâ area	Morocco		-10.0603;28.9839	307 m
Guelmim, Drâ area (see also: Goulimine)	Morocco		-10.0603;28.9839	307 m

NW 28009Cb:

Akka	Morocco	-9.4167;28.6000	
Assa	Morocco	-9.4200;28.6000	294 m
(see also: Zaouia Assa)			
Zaouia Assa (see Assa)	Morocco	-9.4200;28.6000	294 m

NE 28017Ca:

Klein Nama land (see Little Namaqualand)	South Africa	17.0000;28.5000	
Little Namaqualand	South Africa	17.0000;28.5000	
(see also: Klein Nama land)			

NE 28028Bd:

Al Bahariya (see Al Wa?at al Ba?riyah)	Egypt	28.9500;28.2500	
Al Bawiti	Egypt	28.8658;28.3492	252 m
(see also: Al Bawiti, al-Bawiti, Bawiti, Bawiti, El Bawiti, El Bawîti)			
Al Bawiti (see Al Bawiti)	Egypt	28.8658;28.3492	252 m
Al Wa?at al Ba?riyah	Egypt	28.9500;28.2500	
(see also: Al Bahariya, Al Wahat al Bahriyah, Bahariya Oasis, Baharîya Oasis)			
Al Wahat al Bahriyah (see Al Wa?at al Ba?riyah)	Egypt	28.9500;28.2500	
(see also: Baryeh Oasis)			
al-Bawiti (see Al Bawiti)	Egypt	28.8658;28.3492	252 m
Bahariya Oasis (see Al Wa?at al Ba?riyah)	Egypt	28.9500;28.2500	
Baharîya Oasis (see Al Wa?at al Ba?riyah)	Egypt	28.9500;28.2500	
Baryeh Oasis (see Al Wahat al Bahriyah)	Egypt	28.9500;28.2500	
Bawiti (see Al Bawiti)	Egypt	28.8658;28.3492	252 m
Bawiti (see Al Bawiti)	Egypt	28.8658;28.3492	252 m
El Bawiti (see Al Bawiti)	Egypt	28.8658;28.3492	252 m
El Bawîti (see Al Bawiti)	Egypt	28.8658;28.3492	252 m
Mandisha (see Mandishah)	Egypt	28.9167;28.3500	122 m
(see also: Bakkari, Minshat al Bakkari, Minshât el-Bakkâri)			
Mandishah	Egypt	28.9167;28.3500	122 m
(see also: Mandisha)			

NE 28033Cb:

Fairan (see Wadi Fayran)	Egypt	33.2573;28.6743	
Wadi Faran (see Wadi Fayran)	Egypt	33.2573;28.6743	
Wadi Fayran	Egypt	33.2573;28.6743	
(see also: Fairan, Wadi Faran, Wadi Feiran, Wadi Firan)			
Wadi Feiran (see Wadi Fayran)	Egypt	33.2573;28.6743	
Wadi Firan (see Wadi Fayran)	Egypt	33.2573;28.6743	

NE 28033Da:

Feiran Oasis (see Wa?at Fayran)	Egypt	33.6202;28.7187	
Feiran Oasis, W edge	Egypt	33.6167;28.7167	595 m
Pharan (see Wa?at Fayran)	Egypt	33.6202;28.7187	
Wadi El Feiran (see Wa?at Fayran)	Egypt	33.6202;28.7187	
Wa?at Fayran	Egypt	33.6202;28.7187	
(see also: Feiran Oasis, Pharan , Wadi El Feiran, Wa?at Firan)			
Wa?at Firan (see Wa?at Fayran)	Egypt	33.6202;28.7187	

NE 28033Db:

El Milga	Egypt	33.9758;28.5560	
Jabal Musa	Egypt	33.9833;28.5333	

NE 28033Ba:

"Tor Sinai" (see At Tur)	Egypt	33.6139;28.2372	17 m
Al-Tur (see At Tur)	Egypt	33.6139;28.2372	17 m
At Tur	Egypt	33.6139;28.2372	17 m
(see also: "Tor Sinai", Al-Tur, El-Tor, El-Tur, Et Tor, Thur, Tor)			
El-Tor (see At Tur)	Egypt	33.6139;28.2372	17 m

El-Tûr (see Asakra) (see also: Ain el Furtaga , Ayn al Furtajah, Ayn al Furtajah)	Egypt		33.6139;28.2372	17 m
El-Tur (see At Tur)	Egypt		33.6139;28.2372	17 m
Et Tor (see At Tur)	Egypt		33.6139;28.2372	17 m
Thur (see At Tur)	Egypt		33.6139;28.2372	17 m
Tor (see At Tur)	Egypt		33.6139;28.2372	17 m

NE 27002Ab:

Aïn Salah (see I-n-Salah)	Algeria		2.4833;27.1833	279 m
In Saleh (see I-n-Salah)	Algeria		2.4833;27.1833	279 m
I-n-Salah (see also: Aïn Salah, In Saleh)	Algeria		2.4833;27.1833	279 m

NE 27014Cb:

Birak (see also: Brach, Brak)	Libya		14.2833;27.5333	343 m
Brach (see Birak)	Libya		14.2833;27.5333	343 m
Brak (see Birak)	Libya		14.2833;27.5333	343 m

NE 27031Ac:

Al Ma'abidah (see also: El Ma`abda, El Ma‘âbda, El Maabdeh, cave)	Egypt		31.0250;27.3389	47 m
El Ma`abda (see Al Ma'abidah)	Egypt		31.0250;27.3389	47 m
El Ma‘âbda (see Al Ma'abidah)	Egypt		31.0250;27.3389	47 m
El Maabdeh, cave (see Al Ma'abidah)	Egypt		31.0250;27.3389	47 m

NE 27031Aa:

Al Walidiyah (see also: El Wilidiya)	Egypt		31.1667;27.2000	35 m
Durunka (see Durunkah)	Egypt		31.1753;27.1386	64 m
Durunkah (see also: Durunka)	Egypt		31.1753;27.1386	64 m
El Wilidiya (see Al Walidiyah)	Egypt		31.1667;27.2000	35 m
Jebel Drunka	Egypt		31.1667;27.1167	

NE 27033Ab:

Bir Kohila (see Bir Kohllq), Qattar mountains	Egypt		33.3436;27.0464	
Bir Kohllq, Qattar mountains (see also: Bir Kohila)	Egypt		33.3436;27.0464	
Bir Nagat, Qattar mountains	Egypt	ca.	33.3667;27.1000	

NE 27033Bb:

Al Ghardaqah (see also: Al-Ghardaq, El-Ghardaqa, Hurghada, Urgada)	Egypt		33.8333;27.1333	
Al-Ghardaq (see Al Ghardaqah)	Egypt		33.8333;27.1333	
El-Ghardaqa (see Al Ghardaqah)	Egypt		33.8333;27.1333	
Hurghada (see Al Ghardaqah)	Egypt		33.8333;27.1333	
Hurghada, 20 km S	Egypt	ca.	33.8333;27.1333	
Urgada (see Al Ghardaqah)	Egypt		33.8333;27.1333	

NE 27035Cb:

Al Muwayli?, Red Sea Coast (see also: Al-Mweleh, Al-Mwêle?, Mawaila, Mohila, Mowila)	Saudi Arabia		35.4667;27.6833	0 m
Al-Mweleh (see Al Muwayli?), Red Sea Coast	Saudi Arabia		35.4667;27.6833	0 m
Al-Mwêle? (see Al Muwayli?), Red Sea Coast	Saudi Arabia		35.4667;27.6833	0 m
Mawaila (see Al Muwayli?), Red Sea Coast	Saudi Arabia		35.4667;27.6833	0 m
Mohila (see Al Muwayli?), Red Sea Coast	Saudi Arabia		35.4667;27.6833	0 m
Mowila (see Al Muwayli?), Red Sea Coast	Saudi Arabia		35.4667;27.6833	0 m

NE 26008Cc:

Illizi province	Algeria	ca.	8.1667;26.8333	

NE 26013Dc:

Gabrun, Lake (see also: Kabr Aun, lake, Lake Gabrun, Lake Kabr aun)	Libya		13.5353;26.8031	
Kabr Aun, lake (see Gabrun, Lake)	Libya		13.5353;26.8031	
Lake Gabrun (see Gabrun, Lake)	Libya		13.5353;26.8031	
Lake Kabr aun (see Gabrun, Lake)	Libya		13.5353;26.8031	

NE 26013Ca:

Germa (see Jarmah)	Libya		13.0731;26.5294	601 m
Jarmah (see also: Germa)	Libya		13.0731;26.5294	601 m

NE 26013Cb:

Al Fjayj (see Al Fujayj)	Libya		13.3108;26.5422	597 m
Al Fujayj (see also: Al Fjayj, El-Fgeg)	Libya		13.3108;26.5422	597 m
El-Fgeg (see Al Fujayj)	Libya		13.3108;26.5422	597 m

NE 26032Bd:

Wadi El Qreiya	Egypt		32.7667;26.3333	

NE 26032Aa:

Gebel el Hagif (see Naj' ?ammadi)	Egypt		32.2386;26.0514	71 m
Nag Hamadi (see Naj' ?ammadi)	Egypt		32.2386;26.0514	71 m
Nag Hamady (see Naj' ?ammadi)	Egypt		32.2386;26.0514	71 m
Nag' Hammadi (see Naj' ?ammadi)	Egypt		32.2386;26.0514	71 m
Nag' Hammadi (see Naj' ?ammadi)	Egypt		32.2386;26.0514	71 m
Naga Hamadi (see Naj' ?ammadi)	Egypt		32.2386;26.0514	71 m
Naj' al Hammadi (see Naj' ?ammadi)	Egypt		32.2386;26.0514	71 m
Naj' al ?ammadi (see Naj' ?ammadi)	Egypt		32.2386;26.0514	71 m
Naj' ?ammadi (see also: Gebel el Hagif, Nag Hamadi, Nag Hamady, Nag' Hammadi, Nag' Hammadi, Naga Hamadi, Naj' al Hammadi, Naj' al ?ammadi)	Egypt		32.2386;26.0514	71 m

NE 26032Ba:

Dandarah (see also: Dandera, Denderah, Denderah temple, Tentyra)	Egypt		32.6553;26.1692	67 m
Dandera (see Dandarah)	Egypt		32.6553;26.1692	67 m
Denderah (see Dandarah)	Egypt		32.6553;26.1692	67 m
Denderah temple (see Dandarah)	Egypt		32.6553;26.1692	67 m
Tentyra (see Dandarah)	Egypt		32.6553;26.1692	67 m

NE 26034Ab:

Al Qusayr (see also: Koseir, Leucus Limen, Qosier, Qosseir, Quseir)	Egypt		34.2833;26.1000	0 m
Koseir (see Al Qusayr)	Egypt		34.2833;26.1000	0 m
Leucus Limen (see Al Qusayr)	Egypt		34.2833;26.1000	0 m
Qosier (see Al Qusayr)	Egypt		34.2833;26.1000	0 m
Qosseir (see Al Qusayr)	Egypt		34.2833;26.1000	0 m
Quseir (see Al Qusayr)	Egypt		34.2833;26.1000	0 m

NE 26054Da:

Chah Moslem, Persian Gulf and Sea of Oman Coastal	Iran	ca.	54.5833;26.7333	

NE 25009Ca:

Tassili des Adjers (see Tassili-n-Ajjer)	Algeria	ca.	9.0000;25.5000	
Tassili N'Ajer (see Tassili-n-Ajjer)	Algeria	ca.	9.0000;25.5000	
Tassili-n-Ajjer (see also: Tassili des Adjers, Tassili N'Ajer)	Algeria	ca.	9.0000;25.5000	

NE 25013Dd:

Marzuq	Libya		13.8972;25.9044	501 m
Mourzouk	Libya		13.8972;25.9044	501 m
Murzuch	Libya		13.8972;25.9044	501 m
Murzuk	Libya		13.8972;25.9044	501 m
Murzuq	Libya		13.8972;25.9044	501 m

NE 25028Db:

Al Rashda (see Ar Rashidah)	Egypt		28.9411;25.5825	104 m
Ar Rashidah (see also: Al Rashda, El Rashda, Er Rashda, Rashida)	Egypt		28.9411;25.5825	104 m
El Rashda (see Ar Rashidah)	Egypt		28.9411;25.5825	104 m
Er Rashda (see Ar Rashidah)	Egypt		28.9411;25.5825	104 m
Rashida (see Ar Rashidah)	Egypt		28.9411;25.5825	104 m

NE 25028Bd:

Dakhla Oasis, 6 km N Mut (see also: Mut, 6 km N, Nû, 6 km N)	Egypt		28.9833;25.4833	109 m
Hindaw	Egypt	ca.	28.9833;25.4833	
Mut, 6 km N (see Dakhla Oasis)	Egypt		28.9833;25.4833	109 m
Nû, 6 km N (see Dakhla Oasis)	Egypt		28.9833;25.4833	109 m

NE 25030Bc:

Al Kharijah	Egypt		30.5500;25.4333	32 m
Al-Kharga (see El Wadi El Gedid governorate)	Egypt		30.5500;25.4333	32 m
El Khârga (see El Wadi El Gedid governorate)	Egypt		30.5500;25.4333	32 m
El-Charge (see El Wadi El Gedid governorate)	Egypt		30.5500;25.4333	32 m
Kharga Oasis (see El Wadi El Gedid governorate)	Egypt		30.5500;25.4333	32 m
Temple of Hibis (see El Wadi El Gedid governorate)	Egypt		30.5500;25.4333	32 m

NE 25030Ba:

Bulaq	Egypt		30.5333;25.2000	36 m

NE 25032Cd:

Nag Hammadi, 16 km S (see Naj' ?ammadi, 16 km S)	Egypt		32.2500;25.9000	
Naj' ?ammadi, 16 km S (see also: Nag Hammadi, 16 km S)	Egypt		32.2500;25.9000	

NE 25032Cb:

Khayzan, 16 km NE Luxor (see also: Luxor, 16 km NE)	Egypt		32.4000;25.6833	
Luxor, 16 km NE (see Khayzan)	Egypt		32.4000;25.6833	

NE 25032Da:

Al Karnak, near Luxor (see also: El Karnak, El Kharnâk, Karnak Great Temple)	Egypt		32.6500;25.6833	
Al Uqsur (see also: El Aqsur, El Kusur, El Qusur, El Uqsor, El-Aksur, Louksor, Luksor, Luqsor, Luxor)	Egypt		32.6500;25.6833	76 m
Cairo, Gizeh and Theben, between	Egypt	ca.	32.6333;25.7167	
El Aqsur (see Al Uqsur)	Egypt		32.6500;25.6833	76 m
El Karnak (see Al Karnak), near Luxor	Egypt		32.6500;25.6833	
El Kharnâk (see Al Karnak), near Luxor	Egypt		32.6500;25.6833	
El Kusur (see Al Uqsur)	Egypt		32.6500;25.6833	76 m
El Qusur (see Al Uqsur)	Egypt		32.6500;25.6833	76 m
El Uqsor (see Al Uqsur)	Egypt		32.6500;25.6833	76 m
El-Aksur (see Al Uqsur)	Egypt		32.6500;25.6833	76 m
Karnak Great Temple (see Al Karnak), near Luxor	Egypt		32.6500;25.6833	
Louksor (see Al Uqsur)	Egypt		32.6500;25.6833	76 m
Luksor (see Al Uqsur)	Egypt		32.6500;25.6833	76 m
Luqsor (see Al Uqsur)	Egypt		32.6500;25.6833	76 m
Luxor (see Al Uqsur)	Egypt		32.6500;25.6833	76 m
Luxor, near	Egypt	ca.	32.6500;25.6833	

Queen Hatchipsat Tomb	Egypt		32.6500;25.6833	
Thebe (see Thebes)	Egypt		32.5819;25.6997	
Thebes, near Luxor (see also: Thebe)	Egypt		32.5819;25.6997	
Valley of the Kings, Luxor	Egypt		32.6000;25.7333	
West Bank, Valley of the Kings, Tomb of Hutschepsut, near Luxor	Egypt	ca.	32.6500;25.6833	

NE 25032Bc:

Asna (see Isna)	Egypt		32.5540;25.2934	
Esna (see Isna)	Egypt		32.5540;25.2934	
Esneh (see Isna)	Egypt		32.5540;25.2934	
Isna (see also: Asna, Esna, Esneh, Latónpolis, Latopolia, Latopolis)	Egypt		32.5540;25.2934	
Latónpolis (see Isna)	Egypt		32.5540;25.2934	
Latopolia (see Isna)	Egypt		32.5540;25.2934	
Latopolis (see Isna)	Egypt		32.5540;25.2934	

NE 25033Ab:

Abu Ra??al (see Bi'r Abu Ri?al)	Egypt		33.4667;25.0000	
Abu Rihal, W of, 90 km E of Idfn Shalatein	Egypt	ca.	33.4667;25.0000	
Bi'r Abu Ri?al (see also: Abu Ra??al, Bîr Abu Rahâl)	Egypt		33.4667;25.0000	
Bîr Abu Rahâl (see Bi'r Abu Ri?al)	Egypt		33.4667;25.0000	

NE 24000Ca:

Djanet (see also: Fort Charlet)	Algeria		0.1564;24.5667	1116 m
Fort Charlet (see Djanet)	Algeria		0.1564;24.5667	1116 m

NE 24030Da:

Dûsh (see Izbat Dush)	Egypt		30.7000;24.5667	77 m
Dush temple (see Izbat Dush), S of Baris	Egypt		30.7000;24.5667	77 m
Ezbet Dush (see Izbat Dush)	Egypt		30.7000;24.5667	77 m
Izbat Dush (see also: Dûsh, Dush temple, Ezbet Dush)	Egypt		30.7000;24.5667	77 m

NE 24032Dd:

Appolinopolis Magna (see Idfu)	Egypt		32.8667;24.9667	86 m
Appolonopolis Manga (see Idfu)	Egypt		32.8667;24.9667	86 m
Edfou (see Idfu)	Egypt		32.8667;24.9667	86 m
Edfu (see Idfu)	Egypt		32.8667;24.9667	86 m
Idfu (see also: Appolinopolis Magna, Appolonopolis Manga, Edfou, Edfu, Idfu Bahari, Idfu Bahri)	Egypt		32.8667;24.9667	86 m
Idfu Bahari (see Idfu)	Egypt		32.8667;24.9667	86 m
Idfu Bahri (see Idfu)	Egypt		32.8667;24.9667	86 m

NE 24032Bd:

Al A'aqab (see also: El A'aqab)	Egypt		32.9000;24.2500	252 m
Al A'qab (see also: El A'agab, El A'qab)	Egypt		32.9000;24.2500	166 m
El A'agab (see Al A'qab)	Egypt		32.9000;24.2500	166 m
El A'aqab (see Al A'aqab)	Egypt		32.9000;24.2500	252 m
El A'qab (see Al A'qab)	Egypt		32.9000;24.2500	166 m
Kawn Ombo (see Kawn Umbu)	Egypt		32.9436;24.4792	109 m
Kawn Umbu (see also: Kawn Ombo, Kôm Ombo, Kum Ombu, Omboi, Ombos, Umbu)	Egypt		32.9436;24.4792	109 m
Kôm Ombo (see Kawn Umbu)	Egypt		32.9436;24.4792	109 m
Kum Ombu (see Kawn Umbu)	Egypt		32.9436;24.4792	109 m
Omboi (see Kawn Umbu)	Egypt		32.9436;24.4792	109 m
Ombos (see Kawn Umbu)	Egypt		32.9436;24.4792	109 m
Umbu (see Kawn Umbu)	Egypt		32.9436;24.4792	109 m

NE 24032Bb:

Assouan (see Aswan)	Egypt		32.8989;24.0875	85 m
Assuan (see Aswan)	Egypt		32.8989;24.0875	85 m
Aswan (see also: Assouan, Assuan, Aswân, Es-Suan, Syena, Syene, Syeue)	Egypt		32.8989;24.0875	85 m
Aswân (see Aswan)	Egypt		32.8989;24.0875	85 m
Aswan Tombs (see also: Aswan Tombs)	Egypt	ca.	32.8989;24.0875	
Aswan Tombs (see Aswan Tombs)	Egypt	ca.	32.8989;24.0875	
Es-Suan (see Aswan)	Egypt		32.8989;24.0875	85 m
Nile Valley south of Assuan	"Egypt or Sudan"		32.9333;24.0833	
Syena (see Aswan)	Egypt		32.8989;24.0875	85 m
Syene (see Aswan)	Egypt		32.8989;24.0875	85 m
Syeue (see Aswan)	Egypt		32.8989;24.0875	85 m

NE 24033Ca:

Korosko (see Kurusku)	Egypt		33.1500;24.5167	119 m
Kurusku (see also: Korosko)	Egypt		33.1500;24.5167	119 m

NE 23004Dc:

TamanPC:TM|)	Algeria	ca.	4.6667;23.7500	
Tamanrasset province (see also: Tamanghasset province |PC:TM|, Wilaya de Tamanghasset, Wilaya de Tamanrasset)	Algeria	ca.	4.6667;23.7500	
Wilaya de Tamanghasset (see Tamanrasset province)	Algeria	ca.	4.6667;23.7500	
Wilaya de Tamanrasset (see Tamanrasset province)	Algeria	ca.	4.6667;23.7500	

NE 23005Ca:

Tamanrasset, 110 km NW	Algeria		5.1333;23.7000	

NE 23005Ba:

Tamanrasset, 55 km N	Algeria		5.5330;23.2000	

NE 23032Dd:

Dehmit (see Dihmit)	Egypt		32.9167;23.7833	252 m
Dihmit (see also: Dehmit, Dihmit, Dilunit)	Egypt		32.9167;23.7833	252 m
Dihmit (see Dihmit)	Egypt		32.9167;23.7833	252 m
Dilunit (see Dihmit)	Egypt		32.9167;23.7833	252 m

NE 23034Bd:

Abu Sa'fa Springs (see Abu Sa'fah, Bi'r)	Egypt		34.7975;23.3067	
Abu Sa'fa, Bir (see Abu Sa'fah, Bi'r)	Egypt		34.7975;23.3067	
Abu Sa'fah, Bi'r (see also: Abu Sa'fa Springs, Abu Sa'fa, Bir, Abu Saafa, Bir, Bir Abu Saafa)	Egypt		34.7975;23.3067	
Abu Saafa, Bir (see Abu Sa'fah, Bi'r)	Egypt		34.7975;23.3067	
Bir Abraq	Egypt		34.7958;23.4166	
Bir Abu Saafa (see Abu Sa'fah, Bi'r)	Egypt		34.7975;23.3067	

NE 22005Cc:

Tit	Algeria		5.1975;22.9617	1332 m

NE 22005Dc:

Fort Laperine (see Tamanrasset)	Algeria		5.5228;22.7850	1320 m
Fort Laperrine (see Tamanrasset)	Algeria		5.5228;22.7850	1320 m
Tamahrasset (see Tamanrasset)	Algeria		5.5228;22.7850	1320 m
Tamanghasset (see Tamanrasset)	Algeria		5.5228;22.7850	1320 m

Tamanrasset (see also: Fort Laperine , Fort Laperrine, Tamahrasset, Tamanghasset)	Algeria		5.5228;22.7850	1320 m
Tamanrasset, near	Algeria	ca.	5.5228;22.7850	
Tamanrasset, oasis	Algeria		5.5228;22.7850	1320 m

NE 22031Bc:

Abu Simbel (see Abu Sunbul)	Egypt		31.6333;22.3667	193 m
Abu Simbel (see Abu Sunbul)	Egypt		31.6333;22.3667	193 m
Abu Simbil (see Abu Sunbul)	Egypt		31.6333;22.3667	193 m
Abu Sinbil (see Abu Sunbul)	Egypt		31.6333;22.3667	193 m
Abu Sumbul (see Abu Sunbul)	Egypt		31.6333;22.3667	193 m
Abu Sunbul (see also: Abu Simbel, Abu Simbel, Abu Simbil, Abu Sinbil, Abu Sumbul)	Egypt		31.6333;22.3667	193 m
Gebel Adda	Egypt		31.6000;22.2667	
Nag Misaw, Abu Simbel East	Egypt		31.7000;22.3667	

NE 22032Ca:

El Qatta	Egypt		32.0667;22.7167	172 m
Qattah	Egypt		32.0667;22.7167	172 m

NE 22035Aa:

Eastern desert of Egypt	Egypt	ca.	35.0000;22.0000	
Wadi Alagi, Eastern Nubia	Sudan	ca.	35.0000;22.0000	2 000 ft

NE 21017Da:

Tibesti	Chad		17.5000;21.5000	

NE 21031Cd:

Wadi ?alfa'	Sudan		31.3500;21.8000	200 m

NW 20013Ac:

Atâr	Mauritania		-13.0650;20.4272	270 m

NW 20013Aa:

Terjit	Mauritania		-13.0869;20.2466	418 m

NE 20002Aa:

Adrar (see Adrar des Ifôghas)	Mali		2.0000;20.0000	
Adrar des Ifôghas (see also: Adrar, Adrar des Iforas, Adrar des Iforhas, Adrar des Iforras)	Mali		2.0000;20.0000	
Adrar des Iforas (see Adrar des Ifôghas)	Mali		2.0000;20.0000	
Adrar des Iforhas (see Adrar des Ifôghas)	Mali		2.0000;20.0000	
Adrar des Iforras (see Adrar des Ifôghas)	Mali		2.0000;20.0000	

NE 20012Cd:

Chirfa	Niger		12.3406;20.9533	601 m
Chirfa Driga	Niger		12.3406;20.9533	601 m

NE 20016Ac:

Enneri Dourao (see Enneri Zouarké)	Chad		16.0833;20.4167	
Enneri Zouarké (see also: Enneri Dourao, Zouarké, well)	Chad		16.0833;20.4167	
Zouarké, well (see Enneri Zouarké)	Chad		16.0833;20.4167	

NE 20016Bc:

Zouar	Chad		16.5278;20.4583	742 m

NE 20030Dc:

Ferka	Sudan		30.5897;20.9331	

NE 20032Aa:

Nubia	Sudan	ca.	32.0000;20.0000	

NE 20033Ca:

Désert de Nubie	Sudan		33.0000;20.5000	
Nubian Desert	Sudan		33.0000;20.5000	

NW 19014Cd:

Akjoujt (see also: Akjout, Fort Repoux, Magrein Copper Mine)	Mauritania		-14.3833;19.7500	141 m
Akjout (see Akjoujt)	Mauritania		-14.3833;19.7500	141 m
Bat Cave (see also: Grotte aux Chauves-souris)	Mauritania	ca.	-14.4167;19.7500	
Fort Repoux (see Akjoujt)	Mauritania		-14.3833;19.7500	141 m
Grotte aux Chauves-souris (see Bat Cave)	Mauritania	ca.	-14.4167;19.7500	
Guelb Moghrein, near Akjout	Mauritania	ca.	-14.4167;19.7500	
Magrein Copper Mine (see Akjoujt)	Mauritania		-14.3833;19.7500	141 m

NE 19005Db:

Ideles, 20 km N (see Oued Igharghar)	Algeria		5.8961;19.5744	
Oued Igharghar (see also: Ideles, 20 km N)	Algeria		5.8961;19.5744	

NE 19020Ab:

Ounianga Kébir	Chad		20.4833;19.0667	400 m

NE 19030Cb:

Karma An Nuzul (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		30.4167;19.6333	227 m
Karmah (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		30.4167;19.6333	227 m
Karmah an Nuzul, 40 km from the third waterfall (see also: Karma An Nuzul, Karmah, Kerma, Kerma en Nuzl, Kermah)	Sudan		30.4167;19.6333	227 m
Kerma (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		30.4167;19.6333	227 m
Kerma en Nuzl (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		30.4167;19.6333	227 m
Kermah (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		30.4167;19.6333	227 m

NE 19030Ab:

Dongola (see Dunqulah)	Sudan		30.4833;19.1667	217 m
Donkola (see Dunqulah)	Sudan		30.4833;19.1667	217 m
Dunkula (see Dunqulah)	Sudan		30.4833;19.1667	217 m
Dunqulah (see also: Dongola, Donkola, Dunkula)	Sudan		30.4833;19.1667	217 m

NE 19037Ca:

Bur Sudan (see also: Burt Sudan, New Sawâkin, Port Sudan, Shaikh Barghuth, Shaykh Burghuth, Sheikh Barghuth)	Sudan		37.2164;19.6158	62 m
Burt Sudan (see Bur Sudan)	Sudan		37.2164;19.6158	62 m
New Sawâkin (see Bur Sudan)	Sudan		37.2164;19.6158	62 m
Port Sudan (see Bur Sudan)	Sudan		37.2164;19.6158	62 m
Shaikh Barghuth (see Bur Sudan)	Sudan		37.2164;19.6158	62 m
Shaykh Burghuth (see Bur Sudan)	Sudan		37.2164;19.6158	62 m
Sheikh Barghuth (see Bur Sudan)	Sudan		37.2164;19.6158	62 m

NE 19037Ab:

Sawakin (see also: Suakin)	Sudan	37.3321;19.2059	59 m
Suakin (see Sawakin)	Sudan	37.3321;19.2059	59 m

NW 18016Aa:

Nouakchat (see Nouakchott)	Mauritania	-16.0406;18.1194	0 m
Nouakchot (see Nouakchott)	Mauritania	-16.0406;18.1194	0 m
Nouakchott (see also: Nouakchat, Nouakchot)	Mauritania	-16.0406;18.1194	0 m

NE 18001Cd:

Ibdakane valley (see Ibdekkene valley), 30 km N Kidal	Mali	ca. 1.4167;18.7500	
Ibdekène valley (see Ibdekkene valley), 30 km N Kidal	Mali	ca. 1.4167;18.7500	
Ibdekkene valley (see also: Ibdakane valley, Ibdekène valley, Kidal, 30 km N, Oued Ibdeken, Oued Ibdekken, Vallée de l'Ibdekène)	Mali	ca. 1.4167;18.7500	
Kidal, 30 km N (see Ibdekkene valley)	Mali	ca. 1.4167;18.7500	
Oued Ibdeken (see Ibdekkene valley), 30 km N Kidal	Mali	ca. 1.4167;18.7500	
Oued Ibdekken (see Ibdekkene valley), 30 km N Kidal	Mali	ca. 1.4167;18.7500	
Vallée de l'Ibdekène (see Ibdekkene valley)	Mali	ca. 1.4167;18.7500	

NE 18007Cb:

Arhli (see Arlit)	Niger	7.3853;18.7369	439 m
Arlit (see also: Arhli)	Niger	7.3853;18.7369	439 m

NE 18030Bb:

Donqla al 'Ajuz (see Dunqulah al Qadimah)	Sudan	30.7500;18.2167	274 m
Dunqulah al 'Ajuz (see Dunqulah al Qadimah)	Sudan	30.7500;18.2167	274 m
Dunqulah al Qadimah (see also: Donqla al 'Ajuz, Dunqulah al 'Ajuz, Old Dongola)	Sudan	30.7500;18.2167	274 m
Old Dongola (see Dunqulah al Qadimah)	Sudan	30.7500;18.2167	274 m

NE 18031Bc:

Kanisa Janu (see Kanisah)	Sudan	31.6667;18.2500	239 m
Kanisah (see also: Kanisa Janu, Kenisa)	Sudan	31.6667;18.2500	239 m
Kenisa (see Kanisah)	Sudan	31.6667;18.2500	239 m

NE 18031Bd:

Marawi (see also: Merawi, Merowe)	Sudan	31.8167;18.4833	275 m
Merawi (see Marawi)	Sudan	31.8167;18.4833	275 m
Merowe (see Marawi)	Sudan	31.8167;18.4833	275 m

NE 18033Bd:

5th cataract of the Nile (see Fifth cataract of the Nile)	Sudan	33.7833;18.3833	
Ash Shalal Al Khamis (see Fifth cataract of the Nile)	Sudan	33.7833;18.3833	
Ash Shallal al Khamis (see Fifth cataract of the Nile)	Sudan	33.7833;18.3833	
Cataract of the Wild Ass (see Fifth cataract of the Nile)	Sudan	33.7833;18.3833	
El Homar Cataract (see Fifth cataract of the Nile)	Sudan	33.7833;18.3833	
Fifth cataract of the Nile (see also: 5th cataract of the Nile, Ash Shalal Al Khamis, Ash Shallal al Khamis, Cataract of the Wild Ass, El Homar Cataract , ?imâr, Shallâl al , Homar, Shellal el , Khamis, Ash Shalal Al , Khamis, Ash Shallal al, Shallâl al ?imâr, Shellal el Homar, Wild Ass, Cataract of the)	Sudan	33.7833;18.3833	
?imâr, Shallâl al (see Fifth cataract of the Nile)	Sudan	33.7833;18.3833	
Homar, Shellal el (see Fifth cataract of the Nile)	Sudan	33.7833;18.3833	
Khamis, Ash Shalal Al (see Fifth cataract of the Nile)	Sudan	33.7833;18.3833	
Khamis, Ash Shallal al (see Fifth cataract of the Nile)	Sudan	33.7833;18.3833	

Shallâl al ?imâr (see Fifth cataract of the Nile)	Sudan		33.7833;18.3833	
Shellal el Homar (see Fifth cataract of the Nile)	Sudan		33.7833;18.3833	
Wild Ass, Cataract of the (see Fifth cataract of the Nile)	Sudan		33.7833;18.3833	

NE 18037Cc:

Erkovit (see Erkowit)	Sudan		37.1167;18.7667	1162 m
Erkowit (see also: Erkovit)	Sudan		37.1167;18.7667	1162 m

NW 17025Aa:

Ribeira Grande	Cape Verde		-25.0667;17.1833	40 m

NW 17016Aa:

Tiguent	Mauritania		-16.0878;17.2403	20 m

NW 17014Da:

Boutilimit (see also: Boutillmit)	Mauritania		-14.6944;17.5467	50 m
Boutillmit (see Boutilimit)	Mauritania		-14.6944;17.5467	50 m

NW 17013Bb:

Aleg Post Office	Mauritania		-13.9209;17.0481	43 m
Aleg, 3 km S	Mauritania		-13.9167;17.0333	

NW 17012Cd:

Moudjéria (fortress)	Mauritania		-12.3318;17.8736	151 m

NE 17022Ac:

Ennedi	Chad	ca.	22.0000;17.2500	

NE 17054Aa:

Wadi Nahiz, Sahour Cave	Oman		54.1603;17.1025	

NW 16025Cc:

São Vicente	Cape Verde		-25.0000;16.8333	

NW 16024Cb:

Faja de Baixo	Cape Verde	ca.	-24.2500;16.5833	

NW 16016Ad:

Diadam	Senegal		-16.2667;16.3667	
Djoudj National Park (see also: Djoudj, Parc National des Oiseaux, Parc National des Oiseaux du Djoudj)	Senegal		-16.2500;16.4000	
Djoudj, Parc National des Oiseaux (see Djoudj National Park)	Senegal		-16.2500;16.4000	
Parc National des Oiseaux du Djoudj (see Djoudj National Park)	Senegal		-16.2500;16.4000	

NW 16016Ba:

Ndar (see St-Louis)	Senegal		-16.6167;16.0322	0 m
SanLuis (see St-Louis)	Senegal		-16.6167;16.0322	0 m
St-Louis (see St-Louis) (see also: Ndar, SanLuis, St-Louis)	Senegal		-16.6167;16.0322	0 m

NW 16016Ab:

Saint-Louis	Senegal		-16.4917;16.0322	0 m

NW 16015Db:

Garak	Mauritania	-15.7667;16.5500	45 m
Roco (see Rosso)	Mauritania	-15.8088;16.5103	45 m
Rosso	Mauritania	-15.8088;16.5103	45 m
(see also: Roco)			

NW 16015Da:

Dagana	Senegal	-15.5000;16.5167	12 m
(see also: Tagana)			
Mbilor	Senegal	-15.5833;16.5000	
Tagana (see Dagana)	Senegal	-15.5000;16.5167	12 m

NW 16015Bc:

Richard Toll	Senegal	-15.6833;16.4667	10 m

NW 16015Ab:

Lodé	Senegal	-15.2953;16.1703	

NW 16015Aa:

Fété Olé	Senegal	-15.1217;16.2322	
Pété (see Pété)	Senegal	-15.1217;16.2322	
(see also: Pété, Pété Olé)			
Pété Olé (see Pété)	Senegal	-15.1217;16.2322	

NW 16014Db:

Podor	Senegal	-14.9608;16.6489	11 m

NW 16014Cb:

Boghé, 8 km N (see Bogué, 8 km N)	Mauritania	-14.2830;16.6500	
Bogué Dow, 8 km N (see Bogué, 8 km N)	Mauritania	-14.2830;16.6500	
Bogué, 8 km N	Mauritania	-14.2830;16.6500	
(see also: Boghé, 8 km N, Bogué Dow, 8 km N)			

NW 16014Ac:

Cascas (see Kaskas)	Senegal	-14.0560;16.3786	13 m
Kaskas	Senegal	-14.0560;16.3786	13 m
(see also: Cascas)			

NW 16013Ba:

Kaédi, W edge	Mauritania	-13.5162;16.1487	20 m

NW 16007Bc:

Lac Mamoudé (see Ma?moûdé, lake)	Mauritania	-7.6958;16.3669	
Mahmouda, lake (see Ma?moûdé, lake)	Mauritania	-7.6958;16.3669	
Ma?moûdé, lake	Mauritania	-7.6958;16.3669	
(see also: Lac Mamoudé, Mahmouda, lake, Mamoudé, lake)			
Mamoudé, lake (see Ma?moûdé, lake)	Mauritania	-7.6958;16.3669	

NW 16003Cc:

Timboctú (see Tombouctou)	Mali	-3.0167;16.7667	261 m
Timbuctoo (see Tombouctou)	Mali	-3.0167;16.7667	261 m
Timbuctú (see Tombouctou)	Mali	-3.0167;16.7667	261 m
Timbuktu (see Tombouctou)	Mali	-3.0167;16.7667	261 m
Tombouctou	Mali	-3.0167;16.7667	261 m
(see also: Timboctú, Timbuctoo, Timbuctú, Timbuktu, Tombutu)			
Tombutu (see Tombouctou)	Mali	-3.0167;16.7667	261 m

NW 16003Ad:

Bourèm	Mali		-3.3384;16.3639	

NE 16006Dd:

In Gall (see Ingal)	Niger		6.9336;16.7861	456 m
Ingal	Niger		6.9336;16.7861	456 m
(see also: In Gall, In-Gal, I-n-Gall)				
In-Gal (see Ingal)	Niger		6.9336;16.7861	456 m
I-n-Gall (see Ingal)	Niger		6.9336;16.7861	456 m

NE 16007Ad:

Batrakum	Niger	ca.	7.2500;16.4167	

NE 16008Da:

Tebeig Asben	Niger		8.5000;16.6667	

NE 16013Cd:

Agadem	Niger		13.2833;16.8333	511 m

NE 16014Aa:

Fazzan (see Fezzan)	Libya		14.0000;16.0000	
Fezzan	Libya		14.0000;16.0000	
(see also: Fazzan, Phazania, Wilayat Fazzan)				
Phazania (see Fezzan)	Libya		14.0000;16.0000	
Wilayat Fazzan (see Fezzan)	Libya		14.0000;16.0000	

NE 16033Cb:

Shandi (see Shendi), Upper Nile	Sudan		33.4342;16.6914	376 m
Shendi, Upper Nile	Sudan		33.4342;16.6914	376 m
(see also: Shandi, Shendy, Shindî)				
Shendy (see Shendi), Upper Nile	Sudan		33.4342;16.6914	376 m
Shindî (see Shendi), Upper Nile	Sudan		33.4342;16.6914	376 m

NE 16036Aa:

Mount Wagga (see Wagga, mount), near Berebera	Sudan		36.2042;16.1528	450 m
Wagga, mount, near Berebera	Sudan		36.2042;16.1528	450 m
(see also: Mount Wagga)				

NW 15023Ac:

Maio island	Cape Verde		-23.1667;15.2500	

NW 15023Ba:

Pedra Badejo	Cape Verde		-23.5500;15.1333	

NW 15023Aa:

Maio (see Vila do Maio)	Cape Verde		-23.2167;15.1333	4 m
Nossa Senhora da Luz (see Vila do Maio)	Cape Verde		-23.2167;15.1333	4 m
Port Ingles (see Vila do Maio)	Cape Verde		-23.2167;15.1333	4 m
Porto Inglez (see Vila do Maio)	Cape Verde		-23.2167;15.1333	4 m
Vila do Maio	Cape Verde		-23.2083;15.1417	4 m
(see also: Maio, Nossa Senhora da Luz, Port Ingles, Porto Inglez)				
Vila do Maio, 2 km N	Cape Verde	ca.	-23.2167;15.1667	

NW 15016Cd:

Saint-Louis, 10 km SE	Senegal	ca.	-16.4333;15.9833	

NW 15016Ca:

Louga, 8 km E	Senegal		-16.2167;15.6167	
(see also: Luga, 8 km E)				
Luga, 8 km E (see Louga, 8 km E)	Senegal		-16.2167;15.6167	

NW 15016Ba:

Pir Gourèy (see Pir Gourèye)	Senegal		-16.7220;15.0046	42 m
Pir Gourèye	Senegal		-16.7220;15.0046	42 m
(see also: Pir Gourèy, Piré Gourèye)				
Piré Gourèye (see Pir Gourèye)	Senegal		-16.7220;15.0046	42 m

NW 15015Ac:

Lingnéré (see Linguère)	Senegal		-15.1167;15.4000	2 m
Linguère	Senegal		-15.1167;15.4000	2 m
(see also: Lingnéré, Lynguère)				
Lynguère (see Linguère)	Senegal		-15.1167;15.4000	2 m

NW 15014Dd:

Lagbar	Senegal		-14.8107;15.8329	50 m
Lagbar, 10 km S	Senegal	ca.	-14.8333;15.7500	
Lagbar, 10 km SE	Senegal	ca.	-14.7500;15.7500	

NW 15014Ad:

Yonoféré	Senegal		-14.4612;15.2658	15 m
(see also: Yoroforé)				
Yoroforé (see Yonoféré)	Senegal		-14.4612;15.2658	15 m

NW 15013Cb:

Matam	Senegal		-13.3303;15.6175	28 m
Matam, 13 km SW (see Ogo)	Senegal		-13.2833;15.5500	27 m
Ogo, 13 km SW Matam	Senegal		-13.2833;15.5500	27 m
(see also: Matam, 13 km SW)				

NW 15013Ca:

Bow	Senegal	ca.	-13.1000;15.5833	

NW 15013Bd:

Ranérou	Senegal		-13.9967;15.3000	35 m
Ranérou, 13 km NW	Senegal		-13.9667;15.3000	
Ranérou, 7 km SE	Senegal	ca.	-13.9967;15.3000	

NW 15013Ac:

Kanel department	Senegal	ca.	-13.1763;15.4916	

NW 15012Cc:

Passe de Soufa	Mauritania		-12.0219;15.9372	

NE 15002Cd:

Ménaka	Mali		2.4022;15.9182	

NE 15023Bb:

Monte Pedroso, ribeira de, 3 km S Ribeira de Barca	Cape Verde	ca.	23.7500;15.1667	

NE 15031Cc:

Djebel Zeraf (see Zeraf, Jebel [=mountain])	Sudan		31.1667;15.8167	
Gebel Geraf (see Zeraf, Jebel [=mountain])	Sudan		31.1667;15.8167	
Gebel Zeraf (see Zeraf, Jebel [=mountain])	Sudan		31.1667;15.8167	
Zeraf, Jebel [=mountain]	Sudan		31.1667;15.8167	
(see also: Djebel Zeraf, Gebel Geraf, Gebel Zeraf)				

NE 15032Cd:

Azraq, Al Jabal al, 10 mi NW Omdurman (see also: Omdurman, 10 mi [=16 km] NW)	Sudan		32.4597;15.7914	
Azraq, Jabal al, 10 mi NW Omdurman	Sudan		32.4597;15.7914	
Azraq, Jebel el, 10 mi NW Omdurman	Sudan		32.4597;15.7914	
Jabal al Azraq, 10 mi NW Omdurman	Sudan		32.4597;15.7914	
Jebel el Azraq, 10 mi [=16 km] NW Omdurman	Sudan		32.4597;15.7914	
Omdurman, 10 mi [=16 km] NW (see Azraq, Al Jabal al)	Sudan		32.4597;15.7914	

NE 15032Cb:

Jebel el Airag	South Sudan		32.4833;15.6167	
Omdurman (see Umm Durman)	Sudan		32.2706;15.6361	390 m
Umm Durman (see also: Omdurman)	Sudan		32.2706;15.6361	390 m

NE 15032Da:

Al Khartum (see also: Al Khurtum, Cartum, Khartoum, Khartoun)	Sudan		32.5342;15.5881	377 m
Al Khartum, S of, W bank of White Nile (see also: Khartoum, S of)	Sudan	ca.	32.5342;15.5881	
Al Khurtum (see Al Khartum)	Sudan		32.5342;15.5881	377 m
Bahr de Abiad (see White Nile)	Sudan		32.5167;15.6333	
Bahr el Abiad (see White Nile)	Sudan		32.5167;15.6333	
Bahr-el-Abyat (see White Nile)	Sudan		32.5167;15.6333	
Cartum (see Al Khartum)	Sudan		32.5342;15.5881	377 m
Khartoum (see Al Khartum)	Sudan		32.5342;15.5881	377 m
Khartoum, S of (see Al Khartum, S of), W bank of White Nile	Sudan	ca.	32.5342;15.5881	
Khartoun (see Al Khartum)	Sudan		32.5342;15.5881	377 m
Weißer Nil (see White Nile)	Sudan		32.5167;15.6333	
White Nile (see also: Bahr de Abiad, Bahr el Abiad, Bahr-el-Abyat, Weißer Nil)	Sudan		32.5167;15.6333	

NE 15032Ad:

Khartoum, 12 mi [=19 km] from (see Wad Marium)	Sudan	ca.	32.4167;15.4167	
Wad Marium, 12 mi [=18 km] from Khartoum, on White Nile (see also: Khartoum, 12 mi [=19 km] from)	Sudan	ca.	32.4167;15.4167	

NE 15032Bc:

Khartoum University Campus	Sudan		32.5579;15.4974	384 m

NE 15032Ab:

Jabal al Awliya' (see also: Jebel Aulia)	Sudan		32.4997;15.2411	384 m
Jebel Aulia (see Jabal al Awliya')	Sudan		32.4997;15.2411	384 m

NE 15033Ab:

Abu Zayd (see also: Abu Zeid, Abu Zeid Wad Umm Balli, Abu Zeit)	Sudan		33.3917;15.0717	
Abu Zeid (see Abu Zayd)	Sudan		33.3917;15.0717	
Abu Zeid Wad Umm Balli (see Abu Zayd)	Sudan		33.3917;15.0717	
Abu Zeit (see Abu Zayd)	Sudan		33.3917;15.0717	

NE 15036Cb:

Aroma Madart, 13 mi [=12 km] SSE, Gash river	Sudan	ca.	36.3593;15.6204	

NE 15036Ad:

Cassala (see Kasala)	Sudan		36.3989;15.4558	531 m

Kasala (see also: Cassala, Kassala)	Sudan		36.3989;15.4558	531 m
Kassala (see Kasala)	Sudan		36.3989;15.4558	531 m
Telaweit, near Kassala	Sudan		36.4167;15.4000	

NE 15036Bb:

Zeriba Ambarab	Eritrea		36.9167;15.1667	

NE 15037Db:

Agordat (see Akurdet)	Eritrea		37.8867;15.5486	637 m
Ak' Wirdet (see Akurdet)	Eritrea		37.8867;15.5486	637 m
Ak'irdat (see Akurdet)	Eritrea		37.8867;15.5486	637 m
Ak'ordat (see Akurdet)	Eritrea		37.8867;15.5486	637 m
Akurdet (see also: Agordat, Ak' Wirdet, Ak'irdat, Ak'ordat, Figordat)	Eritrea		37.8867;15.5486	637 m
Figordat (see Akurdet)	Eritrea		37.8867;15.5486	637 m

NE 15038Cd:

Cheren (see Keren)	Eritrea		38.4581;15.7778	1590 m
Keren, Bogosland (see also: Cheren)	Eritrea		38.4581;15.7778	1590 m

NE 15038Dc:

Bogos	Eritrea		38.5000;15.7667	
Bogos country	Eritrea		38.5000;15.7667	

NE 15038Bd:

Asmara (see Asmera)	Eritrea		38.9333;15.3333	2363 m
Asmara, 10 km NW (see Sciumagalle Mine)	Eritrea		38.8500;15.3833	2371 m
Asmara, 6 mi [=10 km] W (see Asmera, 6 mi [=10 km] W)	Eritrea	ca.	38.8500;15.3333	2438 m
Asmara, 8 mi [=13 km] SW (see Sembel)	Eritrea	ca.	38.8957;15.3138	2286 m
Asmera (see also: Asmara)	Eritrea		38.9333;15.3333	2363 m
Asmera, 10 km NW (see Sciumagalle Mine)	Eritrea		38.8500;15.3833	2371 m
Asmera, 6 mi [=10 km] W (see also: Asmara, 6 mi [=10 km] W)	Eritrea	ca.	38.8500;15.3333	2438 m
Asmera, 8 mi [=13 km] SW (see Sembel)	Eritrea	ca.	38.8957;15.3138	2286 m
Sciumagalle Mine, 10 km NW Asmara (see also: Asmara, 10 km NW, Asmera, 10 km NW)	Eritrea		38.8500;15.3833	2371 m
Sembel, 8 mi [=13 km] SW Asmara (see also: Asmara, 8 mi [=13 km] SW, Asmera, 8 mi [=13 km] SW)	Eritrea	ca.	38.8957;15.3138	2286 m

NE 15038Aa:

Dongollo Basso	Eritrea		38.0000;15.0000	

NE 15039Cb:

Masawa (see Massawa)	Eritrea		39.4500;15.6097	6 m
Massau (see Massawa)	Eritrea		39.4500;15.6097	6 m
Massaua (see Massawa)	Eritrea		39.4500;15.6097	6 m
Massawa (see also: Masawa, Massau, Massaua, Massawah, Massowa, Massowah, Mesewa, Mitsewa, Mits'iwa)	Eritrea		39.4500;15.6097	6 m
Massawah (see Massawa)	Eritrea		39.4500;15.6097	6 m
Massowa (see Massawa)	Eritrea		39.4500;15.6097	6 m
Massowah (see Massawa)	Eritrea		39.4500;15.6097	6 m
Mesewa (see Massawa)	Eritrea		39.4500;15.6097	6 m
Mitsewa (see Massawa)	Eritrea		39.4500;15.6097	6 m
Mits'iwa (see Massawa)	Eritrea		39.4500;15.6097	6 m
Saati	Eritrea		39.2500;15.6000	148 m

NE 15039Ac:

Ghinda (see Ginda'), Asmara, NE	Eritrea		39.0886;15.4492	912 m

Ghinda'e (see Ginda'), Asmara, NE	Eritrea	39.0886;15.4492	912 m
Ginda', Asmara, NE	Eritrea	39.0886;15.4492	912 m
(see also: Ghinda, Ghinda'e)			

NE 15039Aa:

Saganeiti (see Segheneyti)	Eritrea	39.1872;15.0528	2117 m
Seganeiti (see Segheneyti)	Eritrea	39.1872;15.0528	2117 m
Segeleyti (see Segheneyti)	Eritrea	39.1872;15.0528	2117 m
Segeneyti (see Segheneyti)	Eritrea	39.1872;15.0528	2117 m
Segheneyti	Eritrea	39.1872;15.0528	2117 m
(see also: Saganeiti, Seganeiti, Segeleyti, Segeneyti)			

NW 14024Dc:

San Filipo (see São Filipe)	Cape Verde	-24.5167;14.9000	77 m
São Filipe	Cape Verde	-24.5167;14.9000	77 m
(see also: San Filipo, Sao Filipo, St. Filippe, Vila de São Filippe, Vila São Filipe)			
Sao Filipo (see São Filipe)	Cape Verde	-24.5167;14.9000	77 m
St. Filippe (see São Filipe)	Cape Verde	-24.5167;14.9000	77 m
Vila de São Filippe (see São Filipe)	Cape Verde	-24.5167;14.9000	77 m
Vila São Filipe (see São Filipe)	Cape Verde	-24.5167;14.9000	77 m

NW 14024Cd:

Fogo	Cape Verde	-24.4167;14.9167	

NW 14023Dc:

Trindade	Cape Verde	-23.5667;14.9500	124 m

NW 14017Cc:

Mbeut Ndanguène (see Mbeute)	Senegal	-17.1667;14.7911	30 m
Mbeute	Senegal	-17.1667;14.7911	30 m
(see also: Mbeut Ndanguène, Mbout)			
Mbout (see Mbeute)	Senegal	-17.1667;14.7911	30 m
Sangaleam (see Sangalkam)	Senegal	-17.2278;14.7811	22 m
Sangalkam	Senegal	-17.2278;14.7811	22 m
(see also: Sangaleam)			

NW 14017Cb:

Camp Leclerc	Senegal	-17.4693;14.7344	
Dakar	Senegal	-17.4381;14.6708	37 m
Hahn-Dakar	Senegal	-17.4333;14.7333	
île aux Serpents (see îles des Madeleines)	Senegal	-17.4711;14.6537	
île des Madeleines (see îles des Madeleines)	Senegal	-17.4711;14.6537	
île des Serpents (see îles des Madeleines)	Senegal	-17.4711;14.6537	
île des Serpents (see îles des Madeleines)	Senegal	-17.4711;14.6537	
îles aux Serpents (see îles des Madeleines)	Senegal	-17.4711;14.6537	
îles de la Madeleine (see îles des Madeleines)	Senegal	-17.4711;14.6537	
îles des Madeleines	Senegal	-17.4711;14.6537	
(see also: île aux Serpents, île des Madeleines, île des Serpents, île des Serpents, îles aux Serpents, îles de la Madeleine, Madeleine, island(s), Snake island(s))			
Madeleine, island(s) (see îles des Madeleines)	Senegal	-17.4711;14.6537	
Snake island(s) (see îles des Madeleines)	Senegal	-17.4711;14.6537	

NW 14017Ca:

Bandia (see Bandia Sessène)	Senegal	-17.0286;14.6250	33 m
Bandia Sessène	Senegal	-17.0286;14.6250	33 m
(see also: Bandia)			

NW 14016Dd:

Thiès	Senegal	-16.9333;14.8000	63 m
Thiès, 10 km W	Senegal	ca. -16.9333;14.8000	

NW 14016Dc:

Khombeul (see Khombole)	Senegal		-16.7000;14.7667	18 m
Khombole	Senegal		-16.7000;14.7667	18 m
(see also: Khombeul, Kombole, Rhombole)				
Kombole (see Khombole)	Senegal		-16.7000;14.7667	18 m
Rhombole (see Khombole)	Senegal		-16.7000;14.7667	18 m

NW 14016Cb:

Diourbei (see Diourbel)	Senegal		-16.3925;14.6628	23 m
Diourbel	Senegal		-16.3925;14.6628	23 m
(see also: Diourbei)				
Ngohé (see Ngoyé)	Senegal		-16.3000;14.6167	
Ngoyé	Senegal		-16.3000;14.6167	
(see also: Ngohé, N'Goyé)				
N'Goyé (see Ngoyé)	Senegal		-16.3000;14.6167	

NW 14016Bd:

Mbour	Senegal		-16.9667;14.4000	0 m
(see also: M'Bour, Mbur)				
M'Bour (see Mbour)	Senegal		-16.9667;14.4000	0 m
Mbur (see Mbour)	Senegal		-16.9667;14.4000	0 m

NW 14016Bc:

Fatick	Senegal		-16.5858;14.3581	3 m
(see also: Fatik)				
Fatik (see Fatick)	Senegal		-16.5858;14.3581	3 m

NW 14016Bb:

Fadiout (see Joal-Fadiout)	Senegal		-16.8333;14.1667	1 m
Fadiouth (see Joal-Fadiout)	Senegal		-16.8333;14.1667	1 m
Joal (see Joal-Fadiout)	Senegal		-16.8333;14.1667	1 m
Joal, 4 km N (see Joal-Fadiout, 4 km N)	Senegal	ca.	-16.8333;14.1667	
Joal-Fadiout	Senegal		-16.8333;14.1667	1 m
(see also: Fadiout, Fadiouth, Joal)				
Joal-Fadiout, 4 km N	Senegal	ca.	-16.8333;14.1667	
(see also: Joal, 4 km N)				

NW 14016Ab:

Kaolack, 6 km E	Senegal	ca.	-16.2500;14.1833	

NW 14015Ba:

Forêt Classée de Kassas (see Forêt de Kassas)	Senegal		-15.5833;14.2333	
Forêt de Kassas	Senegal		-15.5833;14.2333	
(see also: Forêt Classée de Kassas, Kassas Forest)				
Kaffrine	Senegal		-15.6931;14.1217	16 m
Kaffrine, 15 km N	Senegal		-15.5667;14.1333	
Kassas Forest (see Forêt de Kassas)	Senegal		-15.5833;14.2333	

NW 14012Cd:

Bakel	Senegal		-12.4500;14.9000	27 m
Bakel, 5 km S	Senegal	ca.	-12.4500;14.9000	

NW 14012Ba:

Goudiri	Senegal		-12.7167;14.1833	57 m
(see also: Goudiry)				
Goudiry (see Goudiri)	Senegal		-12.7167;14.1833	57 m

NW 14005Bd:

Niono	Mali		-5.9931;14.2525	263 m

NW 14004Dc:

Toguéré-Coumbé (see Toguéré-Koumbé)	Mali		-4.5948;14.9169	268 m
Toguéré-Koumbé	Mali		-4.5948;14.9169	268 m
(see also: Toguéré-Coumbé)				

NW 14004Ca:

Dialagou	Mali		-4.1325;14.5339	271 m
Mopti, on Niger river	Mali		-4.2000;14.5000	275 m

NW 14004Ba:

Samayé, on banks of Niger	Mali		-4.7333;14.0000	267 m

NW 14000Cb:

Oursi	Burkina Faso		-0.4554;14.6768	266 m
(see also: Oursy)				
Oursy (see Oursi)	Burkina Faso		-0.4554;14.6768	266 m
Pétoy (see Pétoye)	Burkina Faso		-0.3667;14.5833	303 m
Pétoye	Burkina Faso		-0.3667;14.5833	303 m
(see also: Pétoy)				
Tazawat	Burkina Faso	ca.	-0.4554;14.6768	

NW 14000Ab:

Gorgadji, 17 km E	Burkina Faso		-0.3667;14.0333	ca. 300 m

NW 14000Aa:

Diomga	Burkina Faso		-0.0500;14.0667	281 m
(see also: Dionga)				
Dionga (see Diomga)	Burkina Faso		-0.0500;14.0667	281 m

NE 14000Cc:

Markoy, 30 km N (see Markoye, 30 km N)	Burkina Faso		0.0670;14.9000	
Markoye, 30 km N	Burkina Faso		0.0670;14.9000	
(see also: Markoy, 30 km N)				
Tambao	Burkina Faso		0.1000;14.8000	

NE 14001Ac:

Saba	Niger		1.1064;14.4406	

NE 14005Cd:

Tahaoua	Niger		5.2667;14.9000	

NE 14033Bc:

Barakat, near Wadi Medani	Sudan		33.5333;14.3167	415 m
Medani (see Wad Madani)	Sudan		33.5333;14.4000	414 m
Wad Madani	Sudan		33.5333;14.4000	414 m
(see also: Medani, Wad Medani)				
Wad Medani (see Wad Madani)	Sudan		33.5333;14.4000	414 m

NE 14038Dd:

Addi Ugri (see Mendefera)	Eritrea		38.8164;14.8856	1986 m
Adi Ugri (see Mendefera)	Eritrea		38.8164;14.8856	1986 m
Adi Wegri (see Mendefera)	Eritrea		38.8164;14.8856	1986 m
Mendefera	Eritrea		38.8164;14.8856	1986 m
(see also: Addi Ugri, Adi Ugri, Adi Wegri)				

NE 14038Bd:

Addis Alem (see Adis 'Alem)	Ethiopia		38.7753;14.4702	
Adis 'Alem	Ethiopia		38.7753;14.4702	
(see also: Addis Alem, Adis 'Alem)				
Adis 'Alem (see Adis 'Alem)	Ethiopia		38.7753;14.4702	

NE 14038Ba:

Akesum (see Aksum)	Ethiopia		38.7244;14.1244	2139 m
Aksum	Ethiopia		38.7244;14.1244	2139 m
(see also: Akesum, Axum)				
Axum (see Aksum)	Ethiopia		38.7244;14.1244	2139 m

NE 14038Bb:

Adaba (see Adwa)	Ethiopia		38.9000;14.1667	1882 m
Adowa (see Adwa)	Ethiopia		38.9000;14.1667	1882 m
Adua (see Adwa)	Ethiopia		38.9000;14.1667	1882 m
Aduwa (see Adwa)	Ethiopia		38.9000;14.1667	1882 m
Adwa	Ethiopia		38.9000;14.1667	1882 m
(see also: Adaba, Adowa, Adua, Aduwa)				
Azum	Ethiopia		38.9000;14.1667	

NE 14039Cd:

Addi Caieh (see Adi Keyh)	Eritrea		39.3733;14.8444	2396 m
Addicaiè (see Adi Keyh)	Eritrea		39.3733;14.8444	2396 m
Adi Caie (see Adi Keyh)	Eritrea		39.3733;14.8444	2396 m
Adi Caieh (see Adi Keyh)	Eritrea		39.3733;14.8444	2396 m
Adi Kaie (see Adi Keyh)	Eritrea		39.3733;14.8444	2396 m
Adi Keih (see Adi Keyh)	Eritrea		39.3733;14.8444	2396 m
Adi Keyeh (see Adi Keyh)	Eritrea		39.3733;14.8444	2396 m
Adi Keyh	Eritrea		39.3733;14.8444	2396 m
(see also: Addi Caieh, Addicaiè, Adi Caie, Adi Caieh, Adi Kaie, Adi Keih, Adi Keyeh, Adi K'eyih)				
Adi K'eyih (see Adi Keyh)	Eritrea		39.3733;14.8444	2396 m

NE 14039Ac:

Agaro, 30 km from, on the route between Agaro and Bedellé	Ethiopia	ca.	39.1867;14.4595	

NW 13016Da:

Madiyana Camp, Niumi National Park	The Gambia		-16.5317;13.5658	
Messira (see Missira)	Senegal		-16.5003;13.6833	19 m
Missira	Senegal		-16.5003;13.6833	19 m
(see also: Messira, Missirah, Missirah Saloum)				
Missirah (see Missira)	Senegal		-16.5003;13.6833	19 m
Missirah Saloum (see Missira)	Senegal		-16.5003;13.6833	19 m

NW 13016Cb:

Bacadadgi	Senegal		-16.4833;13.6500	

NW 13016Ca:

Coular (see Koular)	Senegal		-16.1833;13.6833	2 m
Koular	Senegal		-16.1833;13.6833	2 m
(see also: Coular, Koularbou, Kular)				
Koularbou (see Koular)	Senegal		-16.1833;13.6833	2 m
Koutang (see Koutango)	Senegal		-16.0833;13.6667	20 m
Koutango	Senegal		-16.0833;13.6667	20 m
(see also: Koutang, Kutang)				
Kular (see Koular)	Senegal		-16.1833;13.6833	2 m
Kutang (see Koutango)	Senegal		-16.0833;13.6667	20 m
Saboya, Nioro du Rip	Senegal		-16.0836;13.6183	34 m

NW 13016Bd:

Madianna, Brufut, near	The Gambia		-16.7631;13.3533	6 m
(see also: Madianna)				
Madianna (see Madianna), Brufut, near	The Gambia		-16.7631;13.3533	6 m
Solifor Point, 500 m S	The Gambia	ca.	-16.8164;13.3417	
Tanji and Brufut, between	The Gambia	ca.	-16.7833;13.3667	
Tanji River Bird Reserve, Bald Cape, near	The Gambia		-16.7853;13.3722	

NW 13016Bc:

Abuko Nature Reserve	The Gambia		-16.6525;13.3914	
Banjul	The Gambia		-16.5775;13.4531	0 m
(see also: Bathurst)				
Banjul, 8 mi [=13 km] W	The Gambia	ca.	-16.6500;13.4667	
Bathurst (see Banjul)	The Gambia		-16.5775;13.4531	0 m
Bathurst, 8 mi [=13 km] W	The Gambia	ca.	-16.6500;13.4667	
Gambia river, lower	The Gambia		-16.5667;13.4667	
Jambour (see Jambur)	The Gambia		-16.7016;13.3156	
Jambur	The Gambia		-16.7016;13.3156	
(see also: Jambour, Yambur)				
Jambur, near	The Gambia	ca.	-16.7019;13.3156	
Lamin	The Gambia		-16.6447;13.3869	36 m
Lamin Bridge	The Gambia		-16.6250;13.3931	
Yambur (see Jambur)	The Gambia		-16.7016;13.3156	

NW 13016Ac:

Keneba	The Gambia		-16.0150;13.3289	32 m
(see also: Kenniba)				
Kenniba (see Keneba)	The Gambia		-16.0150;13.3289	32 m

NW 13016Ba:

Jiboroh (see Jiboroh Kuta)	The Gambia		-16.5736;13.1883	38 m
Jiboroh Kuta	The Gambia		-16.5736;13.1883	38 m
(see also: Jiboroh)				

NW 13015Ca:

Kudang	The Gambia		-15.0667;13.6667	13 m

NW 13015Bc:

Jiroff, near	The Gambia	ca.	-15.7000;13.4167	
Toniataba	The Gambia		-15.5833;13.4333	21 m
(see also: Tonitaba)				
Tonitaba (see Toniataba)	The Gambia		-15.5833;13.4333	21 m

NW 13015Ad:

Jafini, near (see Jappeni, near)	The Gambia	ca.	-15.4167;13.4167	
Jappeni, near	The Gambia	ca.	-15.4167;13.4167	
(see also: Jafini, near)				

NW 13014Db:

Brekana (see Brikama Ba)	The Gambia		-14.9333;13.5333	27 m
Brikama (see Brikama Ba)	The Gambia		-14.9333;13.5333	27 m
Brikama Ba	The Gambia		-14.9333;13.5333	27 m
(see also: Brekana, Brikama, Brikama Bar)				
Brikama Bar (see Brikama Ba)	The Gambia		-14.9333;13.5333	27 m
Georgetown (see Janjanbureh), MacCarthy Island	The Gambia		-14.7667;13.5333	4 m
Jangjangbureh (see Janjanbureh), MacCarthy Island	The Gambia		-14.7667;13.5333	4 m
Janjanbureh, MacCarthy Island	The Gambia		-14.7667;13.5333	4 m
(see also: Georgetown, Jangjangbureh, Old Fort George)				
Kontaur (see Kuntaur)	The Gambia		-14.8833;13.6667	0 m
Kuntaur	The Gambia		-14.8833;13.6667	0 m
(see also: Kontaur)				
Kuntaur, 10 mi [=16 km] SE	The Gambia		-14.9000;13.6167	
(see also: Kuntaur, 10 mi SE)				
Kuntaur, 10 mi SE (see Kuntaur, 10 mi [=16 km] SE)	The Gambia		-14.9000;13.6167	
Kuntaur, 2 mi [=3.2 km] N (see Makka)	The Gambia		-14.8833;13.7000	11 m
Kuntaur, 5 mi [=8 km] N	The Gambia		-14.9000;13.6167	
Maka (see Makka)	The Gambia		-14.8833;13.7000	11 m
Makka, 2 mi N Kuntaur	The Gambia		-14.8833;13.7000	11 m
(see also: Kuntaur, 2 mi [=3.2 km] N, Maka)				
Old Fort George (see Janjanbureh), MacCarthy Island	The Gambia		-14.7667;13.5333	4 m
Walikunda (see Walli Kunda)	The Gambia		-14.9167;13.5667	8 m
Walli Kunda	The Gambia		-14.9167;13.5667	8 m
(see also: Walikunda)				

Walli Kunda, near	The Gambia	-14.9167;13.5667	

NW 13014Ac:

Basse (see Basse Santa Su)	The Gambia	-14.2167;13.3167	0 m
Basse Santa Su (see also: Basse)	The Gambia	-14.2167;13.3167	0 m

NW 13013Dd:

Tambacounda (see also: Tambacounda)	Senegal	-13.7586;13.7539	61 m

NW 13013Dc:

Tambacounda - Niokolo-Koba National Park	Senegal	-13.6500;13.7667	

NW 13013Da:

Goulombo (see Gouloumbou)	Senegal	-13.7167;13.5000	63 m
Gouloumbo (see Gouloumbou)	Senegal	-13.7167;13.5000	63 m
Gouloumbou (see also: Goulombo, Gouloumbo)	Senegal	-13.7167;13.5000	63 m

NW 13013Ad:

Dialacoto (see Dialakoto)	Senegal	-13.3000;13.3167	49 m
Dialakoto (see also: Dialacoto, Dialocote)	Senegal	-13.3000;13.3167	49 m
Dialocote (see Dialakoto)	Senegal	-13.3000;13.3167	49 m
Niériko	Senegal	-13.3500;13.3500	
Niériko bridge	Senegal	-13.3500;13.3500	

NW 13013Ac:

Dar Salam	Senegal	-13.2000;13.2500	

NW 13013Ab:

Nieki-Ko	Senegal	-13.3500;13.1833	
Simenti	Senegal	-13.2833;13.0167	

NW 13013Aa:

Ba Foula Bé (see Bafoulabé)	Senegal	-13.1833;13.0167	
Badi	Senegal	-13.2333;13.1500	34 m
Bafoulabé (see also: Ba Foula Bé)	Senegal	-13.0000;13.0333	
Camp des Lions, forest next to the river	Senegal	-13.2333;13.0167	
Lengué Kountou	Senegal	-13.0667;13.0333	
Tabadienke, near Niokolo-Koba	Senegal	-13.1167;13.1333	

NW 13012Bd:

Gamon	Senegal	-12.9167;13.3333	67 m

NW 13012Bb:

Niokolo Koba national park (see also: Niokolo-Koba, parc national, Parc Nationale du Niokolo-Koba, Réserve de Chasse du Niokolo Coba)	Senegal	-12.9147;13.0078	
Niokolo-Koba, parc national (see Niokolo Koba national park)	Senegal	-12.9147;13.0078	
Parc Nationale du Niokolo-Koba (see Niokolo Koba national park)	Senegal	-12.9147;13.0078	
Réserve de Chasse du Niokolo Coba (see Niokolo Koba national park)	Senegal	-12.9147;13.0078	

NW 13012Ba:

Niokolo	Senegal	-12.7167;13.0667	

NW 13004Dc:

Djenné	Mali		-4.5599;13.9045	273 m
(see also: Djenne, Djénne)				
Djenne (see Djenné)	Mali		-4.5599;13.9045	273 m
Djénne (see Djenné)	Mali		-4.5599;13.9045	273 m

NW 13003Da:

Dogon country	Mali	ca.	-3.6179;13.6814	

NW 13002Cd:

Barga	Burkina Faso		-2.2667;13.7833	331 m

NW 13002Cc:

Barga, 9 km NE	Burkina Faso		-2.2000;13.8500	

NW 13002Bc:

Dio	Burkina Faso		-2.6333;13.3333	371 m

NW 13001Da:

Boulzanga (see Bourzanga)	Burkina Faso		-1.5461;13.6781	304 m
Bourzanga	Burkina Faso		-1.5461;13.6781	304 m
(see also: Boulzanga, Bourzenga)				
Bourzenga (see Bourzanga)	Burkina Faso		-1.5461;13.6781	304 m

NW 13001Bd:

Séguénéga, 6 km SE	Burkina Faso		-1.9170;13.4000	

NW 13000Ac:

Tatarko	Burkina Faso		-0.0333;13.4833	

NE 13001Db:

Niamey, 12.9 km W	Niger	ca.	1.9981;13.5138	

NE 13001Ac:

Bolsi, 6 km NW	Niger		1.1955;13.3402	

NE 13002Ca:

Niamey	Niger		2.1167;13.5167	207 m
Niamey, 8 km W	Niger	ca.	2.0290;13.5125	
Nim tree Forest	Niger	ca.	2.1167;13.5167	

NE 13002Ac:

Niamey, 25 km S	Niger	ca.	2.1341;13.3549	

NE 13004Bd:

Tangaza	Nigeria		4.9333;13.3667	304 m

NE 13005Aa:

Araba	Nigeria		5.0333;13.2167	252 m
(see also: Araba Birni)				
Araba Birni (see Araba)	Nigeria		5.0333;13.2167	252 m
Randa	Nigeria	ca.	5.0000;13.0000	
Socoto (see Sokoto)	Nigeria		5.2314;13.0514	272 m
Sokoto	Nigeria		5.2314;13.0514	272 m
(see also: Socoto)				

NE 13005Ab:

Kware, 12 mi [=19 km] N Sokoto	Nigeria		5.2672;13.2181	268 m
(see also: Sokoto, 12 mi [=19 km] N)				
Sokoto, 12 mi [=19 km] N	Nigeria	ca.	5.2500;13.0333	
Sokoto, 12 mi [=19 km] N (see Kware)	Nigeria		5.2672;13.2181	268 m

NE 13007Ac:

Maradi	Niger		7.0964;13.4917	383 m

NE 13008Dc:

Bilma (see Bilma Garin Dawa)	Niger		8.7240;13.8877	493 m
Bilma Garin Dawa	Niger		8.7240;13.8877	493 m
(see also: Bilma)				

NE 13008Dd:

Zinder	Niger		8.9833;13.8000	479 m
Zinder, near	Niger	ca.	8.9833;13.8000	

NE 13011Ad:

Bourem (see Bourèm Géjiram)	Niger		11.4916;13.4167	
Bourèm Géjiram	Niger		11.4916;13.4167	
(see also: Bourem)				
Kilboa, 20 mi [=32 km] W	Nigeria		11.2667;13.3167	

NE 13013Ca:

Yau, Yobe river [near lake Chad]	Nigeria		13.2333;13.5500	288 m
(see also: Yo)				
Yo (see Yau), Yobe river [near lake Chad]	Nigeria		13.2333;13.5500	288 m

NE 13013Ad:

Malamfatori	Nigeria		13.3333;13.4167	

NE 13013Bb:

Baga-Kawa, Lake Tchad	Nigeria		13.8219;13.0942	279 m

NE 13014Ac:

Chad, lake	Chad, lake	ca.	14.1667;13.3333	
(see also: Lac Tchad, Lake Chad, Lake Tchad, Tchad, lac, Tsad, Tschad)				
Lac Tchad (see Chad, lake)	Lac Tchad	ca.	14.1667;13.3333	
Lake Chad (see Chad, lake)	Lake Chad	ca.	14.1667;13.3333	
Lake Tchad (see Chad, lake)	Lake Tchad	ca.	14.1667;13.3333	
Tchad, lac (see Chad, lake)	Tchad, lac	ca.	14.1667;13.3333	
Tsad (see Chad, lake)	Tsad	ca.	14.1667;13.3333	
Tschad (see Chad, lake)	Tschad	ca.	14.1667;13.3333	

NE 13015Ac:

Irtou	Chad		15.1667;13.3167	279 m

NE 13015Aa:

Chari delta	Chad	ca.	15.0000;13.0000	

NE 13024Ab:

Suni, northern Sudan, Jebel Marra	Sudan		24.4167;13.0333	1999 m

NE 13029Aa:

Khuwei, 7 mi [=11 km] N	Sudan		29.2289;13.1506	

NE 13030Aa:

Al Obayyid (see Al Ubayyi?)	Sudan		30.2167;13.1833	609 m
Al Ubayd (see Al Ubayyi?)	Sudan		30.2167;13.1833	609 m
Al Ubayyi? (see also: Al Obayyid, Al Ubayd, Al-'Obêd, El Obeid, El Ubeiyad, Ubêd)	Sudan		30.2167;13.1833	609 m
Al-'Obêd (see Al Ubayyi?)	Sudan		30.2167;13.1833	609 m
El Obeid (see Al Ubayyi?)	Sudan		30.2167;13.1833	609 m
El Ubeiyad (see Al Ubayyi?)	Sudan		30.2167;13.1833	609 m
Kordofan	Sudan	ca.	30.2333;13.2000	
Ubêd (see Al Ubayyi?)	Sudan		30.2167;13.1833	609 m

NE 13032Ba:

Costi (see Kusti)	Sudan		32.6667;13.1667	380 m
Kosti (see Kusti)	Sudan		32.6667;13.1667	380 m
Kusti (see also: Costi, Kosti)	Sudan		32.6667;13.1667	380 m

NE 13033Da:

Sannar, between Kéréri, Halfaye and Surerát on the Nile near Khartoum (see also: Sennaar, Sennar, Sennar, Sinnar)	Sudan		33.6333;13.5500	390 m
Sennaar (see Sannar), Abyssinia	Sudan		33.6333;13.5500	390 m
Sennaar, 20 mi [=32 km] above	Sudan	ca.	33.6333;13.5833	450 m
Sennar (see Sannar)	Sudan		33.6333;13.5500	390 m
Sennar (see Sannar), Abyssinia	Sudan		33.6333;13.5500	390 m
Sinnar (see Sannar), Abyssinia	Sudan		33.6333;13.5500	390 m

NE 13033Bd:

Ronga Forest Reserve	Sudan		33.9000;13.2667	
Suki	Sudan		33.9000;13.3167	

NE 13033Bb:

Senga (see Sinjah)	Sudan		33.9333;13.1500	397 m
Singa (see Sinjah)	Sudan		33.9333;13.1500	397 m
Sinja (see Sinjah)	Sudan		33.9333;13.1500	397 m
Sinjah (see also: Senga, Singa, Sinja)	Sudan		33.9333;13.1500	397 m

NE 13034Ac:

Al Quwaysi, Dinder (see also: El Gueisi, El Qweisi)	Sudan		34.1167;13.3500	396 m
El Gueisi (see Al Quwaysi), Dinder	Sudan		34.1167;13.3500	396 m
El Qweisi (see Al Quwaysi), Dinder	Sudan		34.1167;13.3500	396 m

NE 13037Ad:

Torat	Ethiopia		37.3833;13.3333	2773 m

NE 13038Ad:

Semen mountains (see Simen mountains)	Ethiopia		38.3000;13.3500	
Semien mountains (see Simen mountains)	Ethiopia		38.3000;13.3500	
Simen mountains (see also: Semen mountains, Semien mountains, Simien mountains)	Ethiopia		38.3000;13.3500	
Simien mountains (see Simen mountains)	Ethiopia		38.3000;13.3500	
Simien Mountains National Park	Ethiopia		38.3000;13.3500	

NE 13039Dc:

Belès (see Belesa)	Ethiopia		39.6000;13.8333	2112 m
Belesa (see also: Belès)	Ethiopia		39.6000;13.8333	2112 m

NE 13039Dd:

Desea Forest	Ethiopia	ca.	39.7500;13.7500	

NE 13039Ad:

Macalle (see Mek'ele)	Ethiopia		39.4753;13.4967	2036 m
Makale (see Mek'ele)	Ethiopia		39.4753;13.4967	2036 m
Makalle (see Mek'ele)	Ethiopia		39.4753;13.4967	2036 m
Maqale (see Mek'ele)	Ethiopia		39.4753;13.4967	2036 m
Maqalle (see Mek'ele)	Ethiopia		39.4753;13.4967	2036 m
Mek'ele (see also: Macalle, Makale, Makalle, Maqale, Maqalle)	Ethiopia		39.4753;13.4967	2036 m

NE 13040Bd:

Borawli (see also: Lava-Dom)	Ethiopia		40.9800;13.3000	812 m
Lava-Dom (see Borawli)	Ethiopia		40.9800;13.3000	812 m

NE 13042Ba:

Aseb (see Assab)	Eritrea		42.7394;13.0917	0 m
Assab (see also: Aseb)	Eritrea		42.7394;13.0917	0 m

NW 12016Db:

Diogué	Senegal		-16.7525;12.5744	7 m

NW 12016Cb:

Zighinkor (see Ziguinchor)	Senegal		-16.2719;12.5833	15 m
Zigiunchor (see Ziguinchor)	Senegal		-16.2719;12.5833	15 m
Ziguinchor (see also: Zighinkor, Zigiunchor, Zinguinhor)	Senegal		-16.2719;12.5833	15 m
Zinguinhor (see Ziguinchor)	Senegal		-16.2719;12.5833	15 m

NW 12016Ca:

Adeane, 12 km SW (see Diabane), Casamance	Senegal		-16.0931;12.5447	3 m
Diabane, 12 km SW Adeane (see also: Adeane, 12 km SW)	Senegal		-16.0931;12.5447	3 m

NW 12015Da:

Diatakounda (see Diattakounda)	Senegal		-15.6842;12.5697	32 m
Diattacounda (see Diattakounda)	Senegal		-15.6842;12.5697	32 m
Diattakounda (see also: Diatakounda, Diattacounda, Yatacounda, Yatakou, Yatakounda, Yatakunda)	Senegal		-15.6842;12.5697	32 m
Sédhiou (see also: Sedhiu)	Senegal		-15.5569;12.7081	33 m
Sédhiou department	Senegal	ca.	-15.5569;12.7081	
Sedhiu (see Sédhiou)	Senegal		-15.5569;12.7081	33 m
Yatacounda (see Diattakounda)	Senegal		-15.6842;12.5697	32 m
Yatakou (see Diattakounda)	Senegal		-15.6842;12.5697	32 m
Yatakounda (see Diattakounda)	Senegal		-15.6842;12.5697	32 m
Yatakunda (see Diattakounda)	Senegal		-15.6842;12.5697	32 m

NW 12015Bd:

Gunnal	Guinea-Bissau		-15.7894;12.3111	1 m

NW 12015Ab:

Bissorã (see also: Bissoram)	Guinea-Bissau		-15.4475;12.2231	39 m
Bissoram (see Bissorã)	Guinea-Bissau		-15.4475;12.2231	39 m
Mansôa (see also: Mansoa, Porto Mansoa)	Guinea-Bissau		-15.3189;12.0733	3 m

Mansoa (see Mansôa)	Guinea-Bissau		-15.3189;12.0733	3 m
Porto Mansoa (see Mansôa)	Guinea-Bissau		-15.3189;12.0733	3 m

NW 12014Cc:

Koukany (see Kounkané)	Senegal		-14.0833;12.9333	23 m
Koumkandé (see Kounkané)	Senegal		-14.0833;12.9333	23 m
Kounkané (see also: Koukany, Koumkandé)	Senegal		-14.0833;12.9333	23 m

NW 12014Bc:

Contubo-el	Guinea-Bissau		-14.5667;12.3833	

NW 12013Cd:

Dalaba	Senegal		-13.2667;12.7500	
Gué du Damantan	Senegal		-13.4000;12.9833	

NW 12013Cb:

Gué de Sambaillou	Senegal		-13.3167;12.6500	

NW 12013Bd:

Piche (see Pitche)	Guinea-Bissau		-13.9500;12.3333	64 m
Pitche (see also: Piche)	Guinea-Bissau		-13.9500;12.3333	64 m

NW 12013Ac:

Boussoura, 32 km SW Koundara (see also: Koundara, 32 km SW)	Guinea		-13.0500;12.2833	100 m
Koundara prefecture	Guinea		-13.1667;12.4167	
Koundara, 32 km SW (see Boussoura)	Guinea		-13.0500;12.2833	100 m

NW 12012Dc:

Assirik (see also: Hassirik, Monts Asserick, Mount Asserick, Mount Assirik)	Senegal		-12.7167;12.8833	
Hassirik (see Assirik)	Senegal		-12.7167;12.8833	
Monts Asserick (see Assirik)	Senegal		-12.7167;12.8833	
Mount Asserick (see Assirik)	Senegal		-12.7167;12.8833	
Mount Assirik (see Assirik)	Senegal		-12.7167;12.8833	

NW 12012Cd:

Mako	Senegal		-12.3500;12.8500	
Mako-Camp	Senegal		-12.3333;12.8333	

NW 12012Cc:

Kédougou region	Senegal	ca.	-12.2150;12.8436	

NW 12012Db:

Ebarak (see Ebarakh)	Senegal		-12.8729;12.6331	108 m
Ebarakh (see also: Ebarak)	Senegal		-12.8729;12.6331	108 m
Edanga (see Enganga), 66 km W Kedougou	Senegal	ca.	-12.7500;12.5000	
Eganga (see Enganga), 66 km W Kedougou	Senegal	ca.	-12.7500;12.5000	
Enganga, 66 km W Kedougou (see also: Edanga, Eganga, Kedougou, 66 km W)	Senegal	ca.	-12.7500;12.5000	
Kedougou, 66 km W (see Enganga)	Senegal	ca.	-12.7500;12.5000	

NW 12012Cb:

Bandafassi dispensarium	Senegal		-12.3077;12.5406	
Etiés (see also: Etiess, Etiessé)	Senegal		-12.4402;12.5750	254 m
Etiess (see Etiés)	Senegal		-12.4402;12.5750	254 m

Etiessé (see Etiés)	Senegal		-12.4402;12.5750	254 m

NW 12012Ca:

Kédougou	Senegal		-12.1833;12.5500	99 m
N'Gari, near Kedougou (see also: Ngari)	Senegal	ca.	-12.2479;12.6349	126 m
Ngari (see N'Gari), near Kedougou	Senegal	ca.	-12.2479;12.6349	126 m
Silacounda (see Sillakounda Diakha)	Senegal		-12.1235;12.6441	90 m
Silacounta (see Sillakounda Diakha)	Senegal		-12.1235;12.6441	90 m
Silakounda (see Sillakounda Diakha)	Senegal		-12.1235;12.6441	90 m
Sillakounda Diakha (see also: Silacounda, Silacounta, Silakounda)	Senegal		-12.1235;12.6441	90 m

NW 12012Ad:

Dindéfélo, next to the stream	Senegal		-12.3167;12.3667	
Dindéfélo II, next to the stream II	Senegal		-12.3167;12.3667	

NW 12011Ad:

Falea	Mali		-11.2772;12.2642	459 m

NW 12008Da:

Mandingues Mountains Reserve	Mali	ca.	-8.6556;12.5090	
Réserve des monts Mandingues (see Kik plateau cave)	Mali	ca.	-8.6556;12.5090	

NW 12008Ca:

Bamako (see also: Bamaku, Bammaco, Bammako)	Mali		-8.0000;12.6500	349 m
Bamako, near	Mali	ca.	-8.0000;12.6500	349 m
Bamaku (see Bamako)	Mali		-8.0000;12.6500	349 m
Bammaco (see Bamako)	Mali		-8.0000;12.6500	349 m
Bammako (see Bamako)	Mali		-8.0000;12.6500	349 m
Danfina (see Samaya)	Mali		-8.0552;12.5495	299 m
Grotte de Ticufales ou Tieufola (see Ticufales or Tieufola cave)	Mali	ca.	-8.0000;12.6500	
Samaya (see also: Danfina)	Mali		-8.0552;12.5495	299 m
Ticufales or Tieufola cave (see also: Grotte de Ticufales ou Tieufola)	Mali	ca.	-8.0000;12.6500	

NW 12007Db:

Badalabougou (see also: Badalabougou, quarter, Quartier de Badalabougou)	Mali		-7.9838;12.6235	311 m
Badalabougou, quarter (see Badalabougou)	Mali		-7.9838;12.6235	311 m
Bamako, 15 km E	Mali		-7.8638;12.6867	331 m
Bamako, 7 km E (see Sotouba)	Mali		-7.9139;12.6633	328 m
Maribabougou, 15 km E Bamako	Mali		-7.8638;12.6867	331 m
Moribabougou, 15 km E Bamako	Mali		-7.8638;12.6867	331 m
Quartier de Badalabougou (see Badalabougou)	Mali		-7.9838;12.6235	311 m
Sotouba, 7 km E Bamako (see also: Bamako, 7 km E, Sotuba)	Mali		-7.9139;12.6633	328 m
Sotuba (see Sotouba), 7 km E Bamako	Mali		-7.9139;12.6633	328 m

NW 12007Bc:

Ballassientu, Between Kati and Kita	Mali	ca.	-7.5000;12.4167	

NW 12003Dd:

Konankira (see also: Konankoïna, Konankoïne, Konankoira)	Burkina Faso		-3.9000;12.9000	254 m
Konankoïna (see Konankira)	Burkina Faso		-3.9000;12.9000	254 m
Konankoïne (see Konankira)	Burkina Faso		-3.9000;12.9000	254 m
Konankoira (see Konankira)	Burkina Faso		-3.9000;12.9000	254 m

NW 12003Db:

Nouna, Southwest San and Koudougou	Burkina Faso	-3.8667;12.7333	261 m

NW 12002Aa:

Goden	Burkina Faso	-2.0667;12.2000	308 m

NW 12001Cc:

Boussouma, 5 km N	Burkina Faso	-1.0833;12.9167	ca. 300 m

NW 12001Bc:

Ouagadouga (see Ouagadougou)	Burkina Faso	-1.5247;12.3703	305 m
Ouagadougou (see also: Ouagadouga, Wagadugu)	Burkina Faso	-1.5247;12.3703	305 m
Wagadugu (see Ouagadougou)	Burkina Faso	-1.5247;12.3703	305 m

NW 12000Bb:

Ongarou (see Ougarou)	Burkina Faso	-0.9297;12.1544	261 m
Ouarou (see Ougarou)	Burkina Faso	-0.9297;12.1544	261 m
Ougarou (see also: Ongarou, Ouarou, Waru)	Burkina Faso	-0.9297;12.1544	261 m
Waru (see Ougarou)	Burkina Faso	-0.9297;12.1544	261 m

NE 12000Ad:

Nayouré (see also: Nayouri, Nayuri)	Burkina Faso	0.2500;12.2667	296 m
Nayouré, 3 km SE (see also: Nayouri, 3 km SE, Nayuri, 3 km SE)	Burkina Faso	0.2667;12.2500	
Nayouri (see Nayouré)	Burkina Faso	0.2500;12.2667	296 m
Nayouri, 3 km SE (see Nayouré, 3 km SE)	Burkina Faso	0.2667;12.2500	
Nayuri (see Nayouré)	Burkina Faso	0.2500;12.2667	296 m
Nayuri, 3 km SE (see Nayouré, 3 km SE)	Burkina Faso	0.2667;12.2500	

NE 12000Ab:

Fada N'Gourma (see also: Fada Ngourma, Fada-n-Gurma)	Burkina Faso	0.3578;12.0622	294 m
Fada Ngourma (see Fada N'Gourma)	Burkina Faso	0.3578;12.0622	294 m
Fada-n-Gurma (see Fada N'Gourma)	Burkina Faso	0.3578;12.0622	294 m

NE 12002Cb:

La Tapoa, 2 km E (see also: Tapoa, 2 km E)	Niger	2.4833;12.6000	
Park West	Niger	2.4833;12.6000	
Tapoa, 2 km E (see La Tapoa, 2 km E)	Niger	2.4833;12.6000	

NE 12002Da:

La Tapoa, 21 km E (see also: Tapoa, 21 km E)	Niger	2.5500;12.5000	
Tapoa, 21 km E (see La Tapoa, 21 km E)	Niger	2.5500;12.5000	

NE 12002Ad:

La Tapoa (see also: Tapoa)	Niger	2.3600;12.4919	225 m
La Tapoa, 1 km N (see also: Tapoa, 1 km N)	Niger	2.3600;12.4919	
Tapoa (see La Tapoa)	Niger	2.3600;12.4919	225 m
Tapoa, 1 km N (see La Tapoa, 1 km N)	Niger	2.3600;12.4919	
Toudou mines	Niger	2.4581;12.4742	

NE 12002Bc:

Mékrou river	Benin	ca.	2.6667;12.3000	
Talantegau (see Talantégou)	Niger		2.7456;12.4958	166 m
Talantégou (see also: Talantegau)	Niger		2.7456;12.4958	166 m
Tapoa, 12 km E	Niger		2.5328;12.4867	

NE 12002Ab:

La Tapoa, 21 km S (see also: Tapoa, 21 km S)	Niger	ca.	2.3333;12.1833	
La Tapoa, 28 km S (see also: Tapoa, 28 km S)	Niger	ca.	2.3346;12.1817	
La Tapoa, 29 km S (see also: Tapoa, 29 km S)	Niger	ca.	2.3346;12.1817	
Tapoa, 21 km S (see La Tapoa, 21 km S)	Niger	ca.	2.3333;12.1833	
Tapoa, 28 km S (see La Tapoa, 28 km S)	Niger	ca.	2.3346;12.1817	
Tapoa, 29 km S (see La Tapoa, 29 km S)	Niger	ca.	2.3346;12.1817	

NE 12002Bb:

Park W[est]	Benin	ca.	2.8333;12.0000	

NE 12007Bc:

Karaduwa	Nigeria		7.6833;12.3167	577 m

NE 12008Aa:

Bichi, 1 mi W	Nigeria		8.2412;12.2343	535 m

NE 12008Ba:

Farniso, near Kano	Nigeria		8.5000;12.1000	
Parniso, near Kano	Nigeria		8.5000;12.1000	

NE 12013Bb:

Dikoa, 31 mi [=50 km] NE (see also: Dikwa, 31 mi [=50 km] NE)	Nigeria		13.9167;12.0167	
Dikwa, 31 mi [=50 km] NE (see Dikoa, 31 mi [=50 km] NE)	Nigeria		13.9167;12.0167	

NE 12014Bb:

Kalamaloué forest and game reserve (see Kalamaloué, réserve forestière et de chasse)	Cameroon		14.9000;12.1333	
Kalamaloué, réserve forestière et de chasse, 7 mi [= 11 km] WNW Kousseri (see also: Kalamaloué forest and game reserve, Kousséri, 7 mi [=11 km] WNW, Réserve forestière et de chasse de Kalamaloué)	Cameroon		14.9000;12.1333	
Kousséri, 7 mi [=11 km] WNW (see Kalamaloué, réserve forestière et de chasse)	Cameroon		14.9000;12.1333	
Réserve forestière et de chasse de Kalamaloué (see Kalamaloué, réserve forestière et de chasse)	Cameroon		14.9000;12.1333	

NE 12015Aa:

Biggil, near Fort-Foureau	Cameroon	ca.	15.0306;12.0769	
Fort Fureau (see Kousséri)	Cameroon		15.0306;12.0769	271 m
Fort Lamy (see N'Djamena)	Chad		15.0492;12.1131	
Fort-Foureau (see Kousséri)	Cameroon		15.0306;12.0769	271 m
Fort-Lamy (see N'Djamena)	Chad		15.0492;12.1131	298 m
Kousri (see Kousséri)	Cameroon		15.0306;12.0769	271 m
Kousséri (see also: Fort Fureau, Fort-Foureau, Kousri, Koussri, Kusseri)	Cameroon		15.0306;12.0769	271 m
Koussri (see Kousséri)	Cameroon		15.0306;12.0769	271 m
Kusseri (see Kousséri)	Cameroon		15.0306;12.0769	271 m
Lamy (see N'Djamena)	Chad		15.0492;12.1131	298 m
N'Djamena (see also: Fort Lamy, Fort-Lamy, Lamy, Ndjemena)	Chad		15.0492;12.1131	298 m
Ndjemena (see N'Djamena)	Chad		15.0492;12.1131	298 m

NE 12021Cc:

Korkoro (see also: Korkoru)	Chad		21.0167;12.8667	500 m

Korkoru (see Korkoro)	Chad		21.0167;12.8667	500 m

NE 12023Cd:

Zalingei	Sudan		23.4833;12.9000	986 m
(see also: Zalinje)				
Zalinje (see Zalingei)	Sudan		23.4833;12.9000	986 m

NE 12024Cd:

Jebel Marra, S foothills	Sudan		24.3500;12.9000	
S Jebel Marra, foothills	Sudan		24.3500;12.9000	4 000 ft

NE 12025Cc:

Khor Mallum, 60 mi [=96 km] SSW El Fasher	Sudan	ca.	25.1038;12.9136	2900 ft

NE 12029Db:

An Nabbakah [wells]	Sudan		29.9333;12.6000	
(see also: En Nabbaka [wells])				
En Nabbaka [wells] (see An Nabbakah [wells])	Sudan		29.9333;12.6000	

NE 12029Ad:

Abu Zabad	Sudan		29.2500;12.3500	
(see also: Abu Zawr)				
Abu Zawr (see Abu Zabad)	Sudan		29.2500;12.3500	

NE 12029Ba:

Ad Dalanj (see Dilling)	Sudan		29.6500;12.0500	687 m
Dilling	Sudan		29.6667;12.0333	
(see also: Ad Dalanj)				

NE 12030Db:

Semei (see Sumay?)	Sudan		30.8333;12.7167	472 m
Semeih (see Sumay?)	Sudan		30.8333;12.7167	472 m
Semeiha (see Sumay?)	Sudan		30.8333;12.7167	472 m
Semeith (see Sumay?)	Sudan		30.8333;12.7167	472 m
Sumay?	Sudan		30.8333;12.7167	472 m
(see also: Semei, Semeih, Semeiha, Semeith)				

NE 12031Cd:

Sharkaylah (see Shurkela)	Sudan		31.4167;12.8167	436 m
Sherkeila (see Shurkela)	Sudan		31.4167;12.8167	436 m
Shurkela	Sudan		31.4167;12.8167	436 m
(see also: Sharkaylah, Sherkeila)				

NE 12032Dd:

Jazirat Musran	Sudan		32.7812;12.7872	
(see also: Musran, Musran Island)				
Jazirat Musran, N end	Sudan	ca.	32.8004;12.9212	
(see also: Musran Island, N End, Musran, N end)				
Musran (see Jazirat Musran)	Sudan		32.7812;12.7872	
Musran Island (see Jazirat Musran)	Sudan		32.7812;12.7872	
Musran Island, N End (see Jazirat Musran, N end)	Sudan	ca.	32.8004;12.9212	
Musran, N end (see Jazirat Musran, N end)	Sudan	ca.	32.8004;12.9212	

NE 12032Db:

Aj Jabalen	Sudan		32.8008;12.5903	380 m
(see also: Al Jabalayn, El Jebelein, Jebelein)				
Al Jabalayn (see Aj Jabalen)	Sudan		32.8008;12.5903	380 m
El Jebelein (see Aj Jabalen)	Sudan		32.8008;12.5903	380 m
Jebelein (see Aj Jabalen)	Sudan		32.8008;12.5903	380 m

NE 12034Cc:

Abu Tiga Forest Reserve	Sudan		34.1500;12.7667	

NE 12034Ca:

Al Fonj	Sudan		34.1492;12.6939	
(see also: Al Funj, Fundj, Fung)				
Al Funj (see Al Fonj)	Sudan		34.1492;12.6939	
Bunzoga (see Bunzuqah)	Sudan		34.1500;12.5167	440 m
Bunzoqa (see Bunzuqah)	Sudan		34.1500;12.5167	440 m
Bunzuga (see Bunzuqah)	Sudan		34.1500;12.5167	440 m
Bunzuqah	Sudan		34.1500;12.5167	440 m
(see also: Bunzoga, Bunzoqa, Bunzuga)				
Fundj (see Al Fonj)	Sudan		34.1492;12.6939	
Fung (see Al Fonj)	Sudan		34.1492;12.6939	

NE 12034Ac:

Subeigh Forest Reserve	Sudan		34.2000;12.4500	

NE 12034Ad:

Abu Zor	Sudan		34.3667;12.3667	450 m

NE 12034Ab:

Al Garef	Sudan		34.3167;12.0500	428 m
(see also: El Garef, El Garet)				
Badaws	Sudan		34.3167;12.1500	464 m
(see also: Bados)				
Bados (see Badaws)	Sudan		34.3167;12.1500	464 m
Disa (see Disah)	Sudan		34.3167;12.0333	429 m
Disah	Sudan		34.3167;12.0333	429 m
(see also: Disa)				
El Garef (see Al Garef)	Sudan		34.3167;12.0500	428 m
El Garet (see Al Garef)	Sudan		34.3167;12.0500	428 m
Magangani	Sudan	ca.	34.3333;12.0000	

NE 12035Da:

Amjale	Ethiopia		35.6333;12.5000	535 m

NE 12035Bc:

Bermil	Ethiopia		35.7333;12.3833	562 m
Grara	Ethiopia		35.7333;12.3500	560 m
Megbiya Ber	Ethiopia		35.7167;12.2667	607 m

NE 12035Bd:

Mehadid	Ethiopia		35.7667;12.3000	587 m

NE 12035Ba:

Alatish National Park, ca 500 km NW Addis Abeba	Ethiopia	ca.	35.5000;12.0000	
Megenagne	Ethiopia		35.6667;12.2000	564 m

NE 12035Bb:

Gelego	Ethiopia		35.8833;12.2333	650 m

NE 12036Cc:

Al Qallabat (see Qallabat)	Sudan		36.1500;12.9667	725 m
Gallabat (see Metema)	Ethiopia		36.2000;12.9667	684 m
Gallabat (see Qallabat)	Sudan		36.1500;12.9667	760 m
Matama (see Metema)	Ethiopia		36.2000;12.9667	684 m
Metema	Ethiopia		36.2000;12.9667	684 m
(see also: Gallabat, Matama, Metemma)				
Metema, near	Ethiopia		36.2000;12.9667	
(see also: Metemma, near)				
Metemma (see Metema)	Ethiopia		36.2000;12.9667	684 m
Metemma, near (see Metema, near)	Ethiopia		36.2000;12.9667	
Qallabat	Sudan		36.1500;12.9667	725 m
(see also: Al Qallabat, Gallabat)				

NE 12036Da:

Gallabat, 30 mi [=48 km] SE (see Wahina)	Ethiopia		36.5000;12.5000	1006 m
Matama, 30 mi [=48 km] SE (see Wahina)	Ethiopia		36.5000;12.5000	
Metema, 30 mi [=48 km] SE (see Wahina)	Ethiopia		36.5000;12.5000	
Wahina, 30 mi [=45 km] SE Metemma (see also: Gallabat, 30 mi [=48 km] SE, Matama, 30 mi [=48 km] SE, Metema, 30 mi [=48 km] SE)	Ethiopia		36.5000;12.5000	1006 m

NE 12037Ca:

Bagemder province (see Gonder Kifle Hager province)	Ethiopia	ca.	37.0000;12.5000	
Bagemdir province (see Gonder Kifle Hager province)	Ethiopia	ca.	37.0000;12.5000	
Bege Meder province (see Gonder Kifle Hager province)	Ethiopia	ca.	37.0000;12.5000	
Begemder province (see Gonder Kifle Hager province)	Ethiopia	ca.	37.0000;12.5000	
Begemdir na Simen province (see Gonder Kifle Hager province)	Ethiopia	ca.	37.0000;12.5000	
Begemedir province (see Gonder Kifle Hager province)	Ethiopia	ca.	37.0000;12.5000	
Beghemeder province (see Gonder Kifle Hager province)	Ethiopia	ca.	37.0000;12.5000	
Gondar province (see Gonder Kifle Hager province)	Ethiopia	ca.	37.0000;12.5000	
Gonder Kifle Hager province (see also: Bagemder province, Bagemdir province, Bege Meder province, Begemder province, Begemdir na Simen province, Begemedir province, Beghemeder province, Gondar province, Gonder province)	Ethiopia	ca.	37.0000;12.5000	
Gonder province (see Gonder Kifle Hager province)	Ethiopia	ca.	37.0000;12.5000	

NE 12037Cb:

Baggyemdr province (see Gonder)	Ethiopia	37.4667;12.6000	2132 m
Begemdir province (see Gonder)	Ethiopia	37.4667;12.6000	2132 m
Gondar (see Gonder)	Ethiopia	37.4667;12.6000	2132 m
Gondar, 15 mi [=24 km] NE	Ethiopia	37.4833;12.6167	
Gonder (see also: Baggyemdr province, Begemdir province, Gondar, Gwender, Gwonder)	Ethiopia	37.4667;12.6000	2132 m
Gwender (see Gonder)	Ethiopia	37.4667;12.6000	2132 m
Gwonder (see Gonder)	Ethiopia	37.4667;12.6000	2132 m

NE 12037Ab:

Dambiya (see Lake Tana)	Ethiopia	37.3333;12.0000	
Dembea (see Lake Tana)	Ethiopia	37.3333;12.0000	
Gorgora	Ethiopia	37.3008;12.2403	1828 m
Lake Tana (see also: Dambiya, Dembea, Lake Tsana, T'ana Hayk', Tana, lake, Tsana, lake)	Ethiopia	37.3333;12.0000	
Lake Tsana (see Lake Tana)	Ethiopia	37.3333;12.0000	
T'ana Hayk' (see Lake Tana)	Ethiopia	37.3333;12.0000	
Tana, lake (see Lake Tana)	Ethiopia	37.3333;12.0000	
Tsana, lake (see Lake Tana)	Ethiopia	37.3333;12.0000	

NE 12038Cc:

Simehn and Woggara, between, SW Sabra [=Sobra]	Ethiopia	38.0833;12.9333	

NE 12038Cd:

Balaghes valley (see also: Bellegas-Thal, Bellegaz valley, Tal des Belegaz, Tal des Belghe)	Ethiopia	38.3333;12.8333	762 m
Bellegas-Thal (see Balaghes valley)	Ethiopia	38.3333;12.8333	762 m
Bellegaz valley (see Balaghes valley)	Ethiopia	38.3333;12.8333	
Tal des Belegaz (see Balaghes valley)	Ethiopia	38.3333;12.8333	762 m
Tal des Belghe (see Balaghes valley)	Ethiopia	38.3333;12.8333	762 m

NE 12039Bc:

Harle (see also: Harle)	Ethiopia	39.6000;12.3333	1532 m
Harle (see Harle)	Ethiopia	39.6000;12.3333	1532 m

NE 12039Aa:

Abiyacula, near Lalibela	Ethiopia	ca.	39.0500;12.0333	
Abuna Iosef, monte (see Abune Yosef, mountain)	Ethiopia		39.1833;12.1500	
Abuna Josef (see Abune Yosef, mountain)	Ethiopia		39.1833;12.1500	
Abuna Yosef (see Abune Yosef, mountain)	Ethiopia		39.1833;12.1500	
Abuna-Josef, monte (see Abune Yosef, mountain)	Ethiopia		39.1833;12.1500	
Abune Yosef	Ethiopia		39.1667;12.1167	3842 m
(see also: Abune Yosef)				
Abune Yosef (see Abune Yosef)	Ethiopia		39.1667;12.1167	3842 m
Abune Yosef, mount (see Abune Yosef, mountain)	Ethiopia		39.1833;12.1500	
Abune Yosef, mountain, near Lalibela	Ethiopia		39.1833;12.1500	
(see also: Abuna Iosef, monte, Abuna Josef, Abuna Yosef, Abuna-Josef, monte, Abune Yosef, mount, Guli Ba Amba, Monte Abuna Iosef, Monte Abuna-Josef, Mount Abuna Yosef, Mount Abune Yosef)				
Guli Ba Amba (see Abune Yosef, mountain)	Ethiopia		39.1833;12.1500	
Labibela (see Lalibela)	Ethiopia		39.0333;12.0333	2427 m
Lalibala (see Lalibela)	Ethiopia		39.0333;12.0333	2427 m
Lalibela	Ethiopia		39.0333;12.0333	2427 m
(see also: Labibela, Lalibala, Lalibela)				
Lalibela (see Lalibela)	Ethiopia		39.0333;12.0333	2427 m
Medague, near Lalibela	Ethiopia	ca.	39.0447;12.0581	
Monte Abuna Iosef (see Abune Yosef, mountain)	Ethiopia		39.1833;12.1500	
Monte Abuna-Josef (see Abune Yosef, mountain)	Ethiopia		39.1833;12.1500	
Mount Abuna Yosef (see Abune Yosef, mountain)	Ethiopia		39.1833;12.1500	
Mount Abune Yosef (see Abune Yosef, mountain)	Ethiopia		39.1833;12.1500	

NE 12042Dc:

Gibdo	Eritrea	42.7000;12.9500	

NW 11015Dd:

Boa Esperança (see Ponta Boa Esperança)	Guinea-Bissau	-15.7667;11.8833	22 m
Ponta Boa Esperança	Guinea-Bissau	-15.7667;11.8833	22 m
(see also: Boa Esperança, Ponta Robalo)			
Ponta de Marques Mano	Guinea-Bissau	-15.7667;11.8667	
Ponta Robalo (see Ponta Boa Esperança)	Guinea-Bissau	-15.7667;11.8833	22 m

NW 11015Dc:

Bissalanca	Guinea-Bissau	-15.6833;11.8833	21 m
Bissan island (see Bissau island)	Guinea-Bissau	-15.6500;11.8667	
Bissao (see Bissau)	Guinea-Bissau	-15.5833;11.8500	0 m
Bissau	Guinea-Bissau	-15.5833;11.8500	0 m
(see also: Bissao, São José de Bissáu)			
Bissau island	Guinea-Bissau	-15.6500;11.8667	
(see also: Bissan island)			
São José de Bissáu (see Bissau)	Guinea-Bissau	-15.5833;11.8500	0 m

NW 11015Da:

Bolama Island	Guinea-Bissau	-15.5500;11.5667	

NW 11015Cb:

Bolama	Guinea-Bissau	-15.4667;11.5833	0 m
(see also: Boloma, Bulama, Port Beaver)			
Boloma (see Bolama)	Guinea-Bissau	-15.4667;11.5833	0 m
Bulama (see Bolama)	Guinea-Bissau	-15.4667;11.5833	0 m
Port Beaver (see Bolama)	Guinea-Bissau	-15.4667;11.5833	0 m

NW 11015Bd:

Formosa Island	Guinea-Bissau	-15.9667;11.4833	
(see also: Ilha de Formosa)			
Ilha de Formosa (see Formosa Island)	Guinea-Bissau	-15.9667;11.4833	

NW 11015Ad:

Catió	Guinea-Bissau	-15.2500;11.2833	0 m

NW 11014Dd:

Enchalé (see Enxalé)	Guinea-Bissau		-14.9667;11.9833	8 m
Enxalé	Guinea-Bissau		-14.9667;11.9833	8 m
(see also: Enchalé)				

NW 11014Cc:

Boé (see Madina do Boé)	Guinea-Bissau		-14.2167;11.7500	76 m
Madina (see Madina do Boé)	Guinea-Bissau		-14.2167;11.7500	76 m
Madina Boé (see Madina do Boé)	Guinea-Bissau		-14.2167;11.7500	76 m
Madina do Boé	Guinea-Bissau		-14.2167;11.7500	76 m
(see also: Boé, Madina, Madina Boé, Medina de Boa)				
Medina de Boa (see Madina do Boé)	Guinea-Bissau		-14.2167;11.7500	76 m

NW 11012Da:

Fouta Djallon, mount (see Foutadjalon, mount)	Guinea		-12.5000;11.5000	950 m
Fouta Djallon, mount (see Foutadjalon, mount)	Guinea		-12.5000;11.5000	950 m
Foutadjalon, mount	Guinea		-12.5000;11.5000	950 m
(see also: Fouta Djallon, mount)				
Foutadjalon, mount	Guinea		-12.5000;11.5000	950 m
(see also: Fouta Djallon, mount)				

NW 11012Bc:

Kallendu, 19 km N Labé	Guinea		-12.5939;11.4319	950 m
(see also: Labé, 19 km N)				
Labé, 19 km N (see Kallendu)	Guinea		-12.5939;11.4319	950 m

NW 11012Ab:

Pita	Guinea		-12.4167;11.0833	913 m
Pita area	Guinea	ca.	-12.4167;11.0833	

NW 11008Ca:

Sélingué	Mali		-8.2333;11.6167	322 m

NW 11004Dc:

Fô	Burkina Faso		-4.5167;11.8833	453 m

NW 11004Ba:

Orodara, 27 km ENE	Burkina Faso		-4.6833;11.0667	

NW 11004Ab:

Bobo Diulasas (see Bobo-Dioulasso)	Burkina Faso		-4.2978;11.1772	508 m
Bobo-Dioulasso	Burkina Faso		-4.2978;11.1772	508 m
(see also: Bobo Diulasas, Bobo-Diulasso, Bobodjulaso)				
Bobo-Diulasso (see Bobo-Dioulasso)	Burkina Faso		-4.2978;11.1772	508 m
Bobodjulaso (see Bobo-Dioulasso)	Burkina Faso		-4.2978;11.1772	508 m

NW 11003Ac:

Finza (see Founzan)	Burkina Faso		-3.2333;11.4500	270 m
Fonzan (see Founzan)	Burkina Faso		-3.2333;11.4500	270 m
Founzan	Burkina Faso		-3.2333;11.4500	270 m
(see also: Finza, Fonzan, Fouzan)				
Fouzan (see Founzan)	Burkina Faso		-3.2333;11.4500	270 m

NW 11003Ba:

Koumbia	Burkina Faso		-3.7000;11.2333	317 m
(see also: Kumbia)				
Kumbia (see Koumbia)	Burkina Faso		-3.7000;11.2333	317 m

NW 11002Dd:

Borom (see Boromo)	Burkina Faso		-2.9333;11.7500	242 m
Boromo	Burkina Faso		-2.9333;11.7500	242 m
(see also: Borom)				
Oulo	Burkina Faso		-2.9833;11.9000	304 m
Ouagadougou and Bobodioulasso, village between	Burkina Faso	ca.	-2.9338;11.7499	

NW 11001Cb:

Nobéré, 1.5 km S	Burkina Faso		-1.3000;11.6000	
Nobéré, 11 km S	Burkina Faso	ca.	-1.3000;11.6167	
Nobéré, 12 km S	Burkina Faso	ca.	-1.3000;11.6167	

NW 11001Ac:

Nobéré, 1 km S	Burkina Faso		-1.1667;11.4333	
Nobéré, 2 km S	Burkina Faso		-1.1667;11.4333	
Nobéré, 9 mi [=14.5 km] S	Burkina Faso	ca.	-1.1667;11.4333	
Park National de Post Office (see Pô National Park)	Burkina Faso		-1.1667;11.3333	
Pô National Park	Burkina Faso		-1.1667;11.3333	
(see also: Park National de Post Office, Post Office National Park)				
Post Office National Park (see Pô National Park)	Burkina Faso		-1.1667;11.3333	

NW 11001Ab:

Nazinga (Game Ranch)	Burkina Faso		-1.4844;11.1850	

NW 11000Cb:

Cella	Burkina Faso		-0.3667;11.6167	228 m
(see also: Sella)				
Cella, 1 km N	Burkina Faso		-0.3667;11.6333	ca. 230 m
(see also: Sella, 1 km N)				
Sella (see Cella)	Burkina Faso		-0.3667;11.6167	228 m
Sella, 1 km N (see Cella, 1 km N)	Burkina Faso		-0.3667;11.6333	ca. 230 m

NE 11000Da:

Natiaboani	Burkina Faso		0.5061;11.6992	268 m

NE 11000Bb:

Porga	Benin		0.9725;11.0489	151 m

NE 11001Cb:

Arly	Burkina Faso		1.4667;11.5833	226 m
(see also: Azly)				
Arly National Park	Burkina Faso		1.4333;11.5667	ca. 225 m
Azly (see Arly)	Burkina Faso		1.4667;11.5833	226 m

NE 11001Bc:

Pendjari Biosphere Reserve	Benin	ca.	1.5000;11.3333	
(see also: Pendjari National Park)				
Pendjari National Park (see Pendjari Biosphere Reserve)	Benin	ca.	1.5000;11.3333	

NE 11003Cd:

Badjékali (see Bodjékali)	Benin		3.3831;11.8094	252 m
Bodjécali (see Bodjékali)	Benin		3.3831;11.8094	252 m
Bodjékali	Benin		3.3831;11.8094	252 m
(see also: Badjékali, Bodjécali)				
Garou	Benin		3.4789;11.8036	252 m
Gaya, 17 km W (see Tenda)	Niger		3.3156;11.9885	209 m
Malanville	Benin		3.3900;11.8686	252 m
(see also: Mallanville)				
Mallanville (see Malanville)	Benin		3.3900;11.8686	252 m
Tanda (see Tenda), 17 km W Gaya	Niger		3.3156;11.9885	209 m

Tenda, 17 km W Gaya (see also: Gaya, 17 km W, Tanda)	Niger		3.3156;11.9885	209 m

NE 11003Ca:

Guéné	Benin		3.2167;11.7333	216 m
Kandi and Malanville, road between	Benin	ca.	3.1167;11.5333	

NE 11003Ac:

Angaradébou, near Alfakouara	Benin		3.0394;11.3231	

NE 11004Cb:

Dada	Nigeria		4.4833;11.5667	

NE 11007Dd:

Gwarzo	Nigeria		7.9336;11.9161	608 m

NE 11007Da:

Panisau (see Paniso)	Nigeria		7.5333;11.7167	634 m
Paniso (see also: Panisau)	Nigeria		7.5333;11.7167	634 m

NE 11007Ba:

Samaru	Nigeria		7.6333;11.1667	730 m
Zaria, Samaru stream	Nigeria		7.7000;11.0667	671 m
Zaria, 15 mi [=24 km] NW	Nigeria	ca.	7.7333;11.0167	
Zaria, 5 mi [=8 km] NW	Nigeria	ca.	7.7333;11.0167	
Zaria, 7 mi [=11.3 km] NW	Nigeria	ca.	7.7333;11.0167	

NE 11008Dc:

Kano	Nigeria		8.5167;11.9964	476 m

NE 11008Bc:

Birnin-Kudu, 75 mi [=120 km] SE Kano (see also: Birninkudu, Kano, 75 mi [=120 km] SE)	Nigeria		8.5000;11.4500	460 m
Birninkudu (see Birnin-Kudu), 75 mi [=120 km] SE Kano	Nigeria		8.5000;11.4500	460 m
Kano, 75 mi [=120 km] SE (see Birnin-Kudu)	Nigeria		8.5000;11.4500	460 m

NE 11011Ad:

Fika	Nigeria		11.3080;11.2834	503 m

NE 11013Cc:

Maidiguri (see Maiduguri)	Nigeria		13.1600;11.8450	294 m
Maidugari (see Maiduguri)	Nigeria		13.1600;11.8450	294 m
Maiduguri (see also: Maidiguri, Maidugari, Maiduguru)	Nigeria		13.1600;11.8450	294 m
Maiduguri, NE of	Nigeria	ca.	13.1600;11.8450	
Maiduguru (see Maiduguri)	Nigeria		13.1600;11.8450	294 m

NE 11013Ca:

Molai Forest Reserve	Nigeria		13.0956;11.7344	

NE 11014Bc:

Waza (see also: Waza Lareski)	Cameroon		14.5692;11.3947	321 m
Waza Lareski (see Waza)	Cameroon		14.5692;11.3947	321 m
Waza, 35 km N	Cameroon	ca.	14.5667;11.4167	

NE 11015Cb:

Maïlao	Chad		15.2814;11.5831	273 m

NE 11015Aa:

Yagoua or Waza	Cameroon	ca.	15.0000;11.0000	

NE 11017Bb:

Melfi	Chad		17.9331;11.0597	390 m
Melfi	Chad		17.9500;11.0833	

NE 11029Ac:

Al Lagawa (see Al Lagowa)	Sudan		29.1333;11.4000	560 m
Al Lagowa (see also: Al Lagawa, El Lagowa)	Sudan		29.1333;11.4000	560 m
El Lagowa (see Al Lagowa)	Sudan		29.1333;11.4000	560 m

NE 11029Ba:

Jabal Talao (see Talao, Jabal)	Sudan		29.7167;11.0333	550 m
Jebel Talao (see Talao, Jabal), 2 km NE Kadugli	Sudan		29.7333;11.0333	550 m
Kadugli	Sudan		29.7167;11.0000	
Kadugli (see also: Kaduqli)	Sudan		29.7167;11.0167	501 m
Kadugli, 2 km NE (see Talao, Jabal)	Sudan		29.7167;11.0333	550 m
Kaduqli (see Kadugli)	Sudan		29.7167;11.0167	501 m
Talao, Jabal, 2 km NE Kadugli (see also: Jabal Talao, Jebel Talao, Kadugli, 2 km NE)	Sudan		29.7167;11.0333	550 m

NE 11030Cd:

Dalami (see Dallami)	Sudan		30.4736;11.8647	641 m
Dallami (see also: Dalami, Delami)	Sudan		30.4736;11.8647	641 m
Delami (see Dallami)	Sudan		30.4736;11.8647	641 m

NE 11031Aa:

Khawr Umm 'Adara (see Um 'Adara, Khor)	Sudan		31.1761;11.1117	
Khor Um ‘Adara (see Um 'Adara, Khor)	Sudan		31.1761;11.1117	
Khor Umm Adara (see Um 'Adara, Khor)	Sudan		31.1761;11.1117	
Um 'Adara, Khor (see also: Khawr Umm 'Adara, Khor Um ‘Adara, Khor Umm Adara, Umm 'Adara, Khawr , Umm Adara, Khor)	Sudan		31.1761;11.1117	
Umm 'Adara, Khawr (see Um 'Adara, Khor)	Sudan		31.1761;11.1117	
Umm Adara, Khor (see Um 'Adara, Khor)	Sudan		31.1761;11.1117	

NE 11032Dd:

Ar Rank (see also: El Renk, Er Renk, Renk)	South Sudan		32.8000;11.7500	371 m
El Renk (see Ar Rank)	South Sudan		32.8000;11.7500	371 m
Er Renk (see Ar Rank)	South Sudan		32.8000;11.7500	371 m
Renk (see Ar Rank)	South Sudan		32.8000;11.7500	371 m

NE 11032Da:

Akona	South Sudan	ca.	32.6667;11.5000	

NE 11033Dc:

Jebel el Funj, on White Nile River, West bank	Sudan	ca.	33.5000;11.7500	

NE 11034Cd:

Roseires	Sudan		34.3992;11.8053	

NE 11034Cb:

Aradeiba, Jebel Korongo	Sudan		34.3500;11.6833	486 m

Jabal Mâba (see also: Jebel Maba)	Sudan	34.4613;11.6029	
Jebel Maba (see Jabal Mâba)	Sudan	34.4613;11.6029	

NE 11034Da:

Jebel Moba	Sudan	34.5000;11.5833	

NE 11034Bc:

El Serifa (see Surayfah)	Sudan	34.5333;11.4667	467 m
Sereifa (see Surayfah)	Sudan	34.5333;11.4667	467 m
Surayfah (see also: El Serifa, Sereifa)	Sudan	34.5333;11.4667	467 m

NE 11034Bd:

Fazogli (see Fazughli)	Sudan	34.7667;11.2833	465 m
Fazughli, near Roseres (see also: Fazogli)	Sudan	34.7667;11.2833	465 m

NE 11036Bd:

Danghel (see Dangila), 40 mi south Lake Tana	Ethiopia	36.8333;11.2667	2136 m
Danghila (see Dangila), 40 mi south Lake Tana	Ethiopia	36.8333;11.2667	2136 m
Danghilla (see Dangila), 40 mi south Lake Tana	Ethiopia	36.8333;11.2667	2136 m
Dangila, 40 mi south Lake Tana (see also: Danghel, Danghila, Danghilla, Dangla, Dangla, Dungoler, Tana, 70 mi [=113 km] S Lake)	Ethiopia	36.8333;11.2667	2136 m
Dangla (see Dangila), 40 mi south Lake Tana	Ethiopia	36.8333;11.2667	2136 m
Dangla (see Dangila), 40 mi south Lake Tana	Ethiopia	36.8333;11.2667	2136 m
Dungoler (see Dangila), 40 mi south Lake Tana	Ethiopia	36.8333;11.2667	2136 m
Tana, 70 mi [=113 km] S Lake (see Dangila)	Ethiopia	36.9167;11.2833	

NE 11037Cc:

Dengel Ber, SW side Lake Tana (see also: Dengelbar, Denghelbar, Denghelber, Dungulbar)	Ethiopia	37.0000;11.9500	1827 m
Dengel Ber, near, SW side Lake Tana (see also: Dungulbar, near)	Ethiopia	37.0833;11.9167	
Dengelbar (see Dengel Ber), SW side Lake Tana	Ethiopia	37.0000;11.9500	1827 m
Denghelbar (see Dengel Ber), SW side Lake Tana	Ethiopia	37.0000;11.9500	1827 m
Denghelber (see Dengel Ber), SW side Lake Tana	Ethiopia	37.0000;11.9500	1827 m
Dungulbar (see Dengel Ber), SW side Lake Tana	Ethiopia	37.0000;11.9500	1827 m
Dungulbar, near (see Dengel Ber, near), SW side Lake Tana	Ethiopia	37.0833;11.9167	

NE 11037Cd:

Dag Island (see Daga Island), Lake Tana	Ethiopia	37.3167;11.9000	
Daga Island, Lake Tana (see also: Dag Island)	Ethiopia	37.3167;11.9000	

NE 11037Dd:

Debre Tabor, 7 km N, 10 km W (see Wereta-Weldiya road)	Ethiopia	37.9167;11.9167	2100 m
Wereta-Weldiya road, 7 km N, 10 km W Debre Tabor (see also: Debre Tabor, 7 km N, 10 km W)	Ethiopia	37.9167;11.9167	2100 m

NE 11037Cb:

Babardur Georgis (see Bahir Dar)	Ethiopia	37.3833;11.6000	1783 m
Bahar (see Bahir Dar)	Ethiopia	37.3833;11.6000	1783 m
Bahar Dar (see Bahir Dar)	Ethiopia	37.3833;11.6000	1783 m
Bahar Dar Ghiorghis (see Bahir Dar)	Ethiopia	37.3833;11.6000	1783 m
Baherdar-Giyorgis (see Bahir Dar)	Ethiopia	37.3833;11.6000	1783 m
Bahir Dar (see also: Babardur Georgis, Bahar, Bahar Dar, Bahar Dar Ghiorghis, Baherdar-Giyorgis, Bahr Dar, Bahr dar Giorgis, Bahr der Giorgis, Bahrdar Giyergio, Bahrdar Giyorgis)	Ethiopia	37.3833;11.6000	1783 m

Bahr Dar (see Bahir Dar)	Ethiopia		37.3833;11.6000	1783 m
Bahr dar Giorgis (see Bahir Dar)	Ethiopia		37.3833;11.6000	1783 m
Bahr der Giorgis (see Bahir Dar)	Ethiopia		37.3833;11.6000	1783 m
Bahrdar Giyergio (see Bahir Dar)	Ethiopia		37.3833;11.6000	1783 m
Bahrdar Giyorgis (see Bahir Dar)	Ethiopia		37.3833;11.6000	1783 m

NE 11037Aa:

Goggiam province (see Gojam Kifle Hager province)	Ethiopia	ca.	37.0000;11.0000	
Gojam Kifle Hager province (see also: Goggiam province, Gojam province, Gojjam province, Gojjiam province, Gwejam province, Gwojjam province)	Ethiopia	ca.	37.0000;11.0000	
Gojam province (see Gojam Kifle Hager province)	Ethiopia	ca.	37.0000;11.0000	
Gojjam province (see Gojam Kifle Hager province)	Ethiopia	ca.	37.0000;11.0000	
Gojjiam province (see Gojam Kifle Hager province)	Ethiopia	ca.	37.0000;11.0000	
Gwejam province (see Gojam Kifle Hager province)	Ethiopia	ca.	37.0000;11.0000	
Gwojjam province (see Gojam Kifle Hager province)	Ethiopia	ca.	37.0000;11.0000	

NE 11040Ca:

Shifra	Ethiopia		40.0167;11.6500	
Uollo province (see Welo Kifle Hager province)	Ethiopia	ca.	40.0000;11.5000	
Wallo province (see Welo Kifle Hager province)	Ethiopia	ca.	40.0000;11.5000	
Wello province (see Welo Kifle Hager province)	Ethiopia	ca.	40.0000;11.5000	
Welo Kifle Hager province (see also: Uollo province, Wallo province, Wello province, Welo province, Wollo province, Wolloo province)	Ethiopia	ca.	40.0000;11.5000	
Welo province (see Welo Kifle Hager province)	Ethiopia	ca.	40.0000;11.5000	
Wollo province (see Welo Kifle Hager province)	Ethiopia	ca.	40.0000;11.5000	
Wolloo province (see Welo Kifle Hager province)	Ethiopia	ca.	40.0000;11.5000	

NE 11042Dc:

Ardo	Djibouti	ca.	42.6736;11.8228	
Day Forest National Park	Djibouti	ca.	42.6500;11.7670	1400 m
Day, mount (see Mount Day)	Djibouti		42.6500;11.7670	1400 m
Mount Day (see also: Day, mount)	Djibouti		42.6500;11.7667	1471 m

NE 11042Ba:

Ali Sabieh and Dikhil, between (see also: Ali Sabieh and Dikkit, between)	Djibouti	ca.	42.5349;11.1488	
Ali Sabieh and Dikkit, between (see Ali Sabieh and Dikhil, between)	Djibouti	ca.	42.5349;11.1488	
Wadi Obolléï	Djibouti		42.7333;11.1667	

NE 11043Cd:

Hayyou (see Obock)	Djibouti		43.2906;11.9631	0 m
Obock (see also: Hayyou, Obok)	Djibouti		43.2906;11.9631	0 m
Obok (see Obock)	Djibouti		43.2906;11.9631	0 m

NE 11043Ca:

Amboua (see Ambouli)	Djibouti		43.1367;11.5694	9 m
Ambouli (see also: Amboua, Ambua, H_oumbouli)	Djibouti		43.1367;11.5694	9 m
Ambua (see Ambouli)	Djibouti		43.1367;11.5694	9 m
Djibouti (see also: Djibuti, Gibuti, Jibouti, Jibuti)	Djibouti		43.1481;11.5950	0 m
Djibuti (see Djibouti)	Djibouti		43.1481;11.5950	0 m
Gibuti (see Djibouti)	Djibouti		43.1481;11.5950	0 m
H_oumbouli (see Ambouli)	Djibouti		43.1367;11.5694	9 m
Jibouti (see Djibouti)	Djibouti		43.1481;11.5950	0 m
Jibuti (see Djibouti)	Djibouti		43.1481;11.5950	0 m

NE 11043Ac:

Obolléi Yar (see also: Obolley Yar, Wadi Obolléï)	Djibouti		43.0822;11.3936	218 m

Obolley Yar (see Obolléi Yar)	Djibouti	43.0822;11.3936	218 m
Wadi Obolléï (see Obolléi Yar)	Djibouti	43.0822;11.3936	218 m

NE 11043Ad:

Saylac (see also: Seelaac, Séyla', Seylac, Zayla, Zeila, Zeyla, Zeylac)	Somalia	43.4739;11.3539	5 m
Seelaac (see Saylac)	Somalia	43.4739;11.3539	5 m
Séyla' (see Saylac)	Somalia	43.4739;11.3539	5 m
Seylac (see Saylac)	Somalia	43.4739;11.3539	5 m
Zayla (see Saylac)	Somalia	43.4739;11.3539	5 m
Zeila (see Saylac)	Somalia	43.4739;11.3539	5 m
Zeyla (see Saylac)	Somalia	43.4739;11.3539	5 m
Zeylac (see Saylac)	Somalia	43.4739;11.3539	5 m

NE 11049Ac:

Bandar Kassim (see Boosaaso)	Somalia	49.1825;11.2847	17 m
Bender Cassim (see Boosaaso)	Somalia	49.1825;11.2847	17 m
Bender Qaasin (see Boosaaso)	Somalia	49.1825;11.2847	17 m
Bénder Qasin (see Boosaaso)	Somalia	49.1825;11.2847	17 m
Boosaaso (see also: Bandar Kassim, Bender Cassim, Bender Qaasin, Bénder Qasin, Boosaso, Bosaso, Bossaso)	Somalia	49.1825;11.2847	17 m
Boosaso (see Boosaaso)	Somalia	49.1825;11.2847	17 m
Bosaso (see Boosaaso)	Somalia	49.1825;11.2847	17 m
Bossaso (see Boosaaso)	Somalia	49.1825;11.2847	17 m

NE 11049Bd:

Candala (see Qandala)	Somalia	49.8739;11.4711	2 m
Kandala (see Qandala)	Somalia	49.8739;11.4711	2 m
Qandala (see also: Candala, Kandala)	Somalia	49.8739;11.4711	2 m

NE 11050Dc:

Afkala Haya (see also: Bandar Fílúk, Bender Filuch, Bender Gelid, Bender Geoid)	Somalia	50.5833;11.9000	5 m
Bandar Fílúk (see Afkala Haya)	Somalia	50.5833;11.9000	5 m
Bender Filuch (see Afkala Haya)	Somalia	50.5833;11.9000	5 m
Bender Gelid (see Afkala Haya)	Somalia	50.5833;11.9000	5 m
Bender Geoid (see Afkala Haya)	Somalia	50.5833;11.9000	5 m

NW 10013Ba:

Ouassou (see Wassou)	Guinea	-13.6500;10.0333	58 m
Ouossou (see Wassou)	Guinea	-13.6500;10.0333	58 m
Wassou (see also: Ouassou, Ouossou)	Guinea	-13.6500;10.0333	58 m

NW 10012Cb:

Dalaba (see also: Grotte du Marché, Marché, grotte du, Market cave)	Guinea	-12.2500;10.7000	1190 m
Grotte du Marché (see Dalaba)	Guinea	-12.2500;10.7000	1190 m
Marché, grotte du (see Dalaba)	Guinea	-12.2500;10.7000	1190 m
Market cave (see Dalaba)	Guinea	-12.2500;10.7000	1190 m

NW 10012Ad:

Kanghan, Hotel de la Gar (see also: Kan-Han)	Guinea	-12.3833;10.4833	
Kan-Han (see Kanghan), Hotel de la Gar	Guinea	-12.3833;10.4833	

NW 10012Ac:

Mamou	Guinea	-12.0833;10.3833	737 m

NW 10012Bb:

Kindia	Guinea		-12.8500;10.0667	338 m
(see also: Kindla)				
Kindla (see Kindia)	Guinea		-12.8500;10.0667	338 m

NW 10012Ba:

Garrigues, cave (see Grotte Garrigues)	Guinea	ca.	-12.5181;10.1731	
Grotte Garrigues, 4 km NE Souguéta	Guinea	ca.	-12.5181;10.1731	
(see also: Garrigues, cave, Souguéta, 4 km NE)				
Kankasili and Souguéta, between	Guinea	ca.	-12.5228;10.1692	
Kolenté	Guinea		-12.6167;10.1000	148 m
(see also: La Kolenté, Yogorania, Yogoronia)				
Kolente, 10 km W	Guinea	ca.	-12.5000;10.0833	400 m
Kolente, 12 km W (see Nyembaro)	Guinea		-12.5000;10.0833	
La Kolenté (see Kolenté)	Guinea		-12.6167;10.1000	148 m
Nyembaro, 12 km W Kolente	Guinea		-12.5000;10.0833	
(see also: Kolente, 12 km W)				
Souguéta, 4 km NE (see Grotte Garrigues)	Guinea	ca.	-12.5181;10.1731	
Yogorania (see Kolenté)	Guinea		-12.6167;10.1000	148 m
Yogoronia (see Kolenté)	Guinea		-12.6167;10.1000	148 m

NW 10012Ab:

Kanka Sili	Guinea		-12.4833;10.1833	
(see also: Kankasali, Kankasili)				
Kankasali (see Kanka Sili)	Guinea		-12.4833;10.1833	
Kankasili (see Kanka Sili)	Guinea		-12.4833;10.1833	

NW 10010Ac:

Park National du Haut Niger	Guinea	ca.	-10.1223;10.2850	
(see also: Upper Niger National Park)				
Upper Niger National Park (see Park National du Haut Niger)	Guinea	ca.	-10.1223;10.2850	

NW 10009Db:

Kouroussa	Guinea		-9.8833;10.6500	362 m
(see also: Kurussa)				
Kouroussa, near	Guinea	ca.	-9.8833;10.6500	
Kurussa (see Kouroussa)	Guinea		-9.8833;10.6500	362 m

NW 10004Cb:

Sidéradougou	Burkina Faso		-4.2500;10.6667	304 m
(see also: Siradougou)				
Siradougou (see Sidéradougou)	Burkina Faso		-4.2500;10.6667	304 m

NW 10004Bd:

Koutoura, 5 km SW	Burkina Faso		-4.8833;10.3167	ca. 300 m

NW 10003Cd:

Diebougou (Airport)	Burkina Faso		-3.2500;10.9500	984 ft

NW 10003Cc:

Bontioli	Burkina Faso		-3.0667;10.8833	264 m
Djipologo	Burkina Faso		-3.1167;10.9333	253 m
(see also: Jipologo)				
Jipologo (see Djipologo)	Burkina Faso		-3.1167;10.9333	253 m

NW 10002Dc:

Bangmo (see Bangwon)	Ghana		-2.6833;10.9667	303 m
Bangwon	Ghana		-2.6833;10.9667	303 m
(see also: Bangmo)				

NW 10002Cc:

Pulima	Ghana		-2.0500;10.8500	306 m

NW 10002Db:

Lawra, frontier Ghana-Burkina Fasso	Burkina Faso	ca.	-2.9381;10.6489	
Lawra, Mouhoun river	Ghana	ca.	-2.8667;10.6500	253 m

NW 10002Ca:

Gbele Game Production Reserve (see also: Gbele Resource Reserve)	Ghana		-2.2227;10.5216	200 m
Gbele Resource Reserve (see Gbele Game Production Reserve)	Ghana		-2.2227;10.5216	200 m

NW 10002Ac:

Han, about 25 mi [=40 km] SE, between Kulpawn and Yelibifuo Rivers	Ghana	ca.	-2.1500;10.2500	

NW 10002Ab:

Perisi (see Pirisi)	Ghana		-2.4500;10.1167	303 m
Pirisi (see also: Perisi)	Ghana		-2.4500;10.1167	303 m

NW 10001Dd:

Tumu area	Ghana	ca.	-1.9833;10.8833	ca. 300 m

NW 10000Da:

Fra Fra Country	Ghana	ca.	-0.5000;10.5000	

NW 10000Cb:

Gambaga	Ghana		-0.4422;10.5333	312 m

NW 10000Ca:

Shishe (see also: Shishie)	Ghana		-0.2167;10.7000	213 m
Shishie (see Shishe)	Ghana		-0.2167;10.7000	213 m

NE 10000Cc:

Cercle de Dapango (see Préfecture de Tone)	Togo		0.1667;10.9167	
Circonscription de Dapango (see Préfecture de Tone) (see also: Tone prefecture)	Togo		0.1667;10.9167	
Circonscription de Dapaong (see Préfecture de Tone)	Togo		0.1667;10.9167	
Dapango (see Dapaong)	Togo		0.2050;10.8639	306 m
Dapango, cercle de (see Préfecture de Tone)	Togo		0.1667;10.9167	
Dapango, circonscription de (see Préfecture de Tone)	Togo		0.1667;10.9167	
Dapaong (see also: Dapango, Dapong)	Togo		0.2050;10.8639	306 m
Dapaong, circonscription de (see Préfecture de Tone)	Togo		0.1667;10.9167	
Dapong (see Dapaong)	Togo		0.2050;10.8639	306 m
Nanergou	Togo		0.1500;10.9167	303 m
Préfecture de Tone (see also: Cercle de Dapango, Circonscription de Dapango, Circonscription de Dapaong, Dapango, cercle de, Dapango, circonscription de, Dapaong, circonscription de)	Togo		0.1667;10.9167	
Tone prefecture (see Circonscription de Dapango)	Togo		0.1667;10.9167	

NE 10000Cd:

Nammjoni (see Namoundjoga)	Togo		0.3997;10.8906	280 m
Namoudjogo (see Namoundjoga)	Togo		0.3997;10.8906	280 m

Namoundjoga (see also: Nammjoni, Namoudjogo, Namouyogo, Namunjogo)	Togo	0.3997;10.8906	280 m
Namouyogo (see Namoundjoga)	Togo	0.3997;10.8906	280 m
Namunjogo (see Namoundjoga)	Togo	0.3997;10.8906	280 m

NE 10000Dc:

Bergou (see Borgou)	Togo	0.5769;10.7636	147 m
Borgou (see also: Bergou, Borgu)	Togo	0.5769;10.7636	147 m
Borgu (see Borgou)	Togo	0.5769;10.7636	147 m

NE 10000Ad:

Akenim	Togo	0.2500;10.4167	
Mango (see Sansanné-Mango)	Togo	0.4708;10.3592	134 m
Nsara (see Sansanné-Mango)	Togo	0.4708;10.3592	134 m
N'Zara (see Sansanné-Mango)	Togo	0.4708;10.3592	134 m
Sansane-Mangu (see Sansanné-Mango)	Togo	0.4708;10.3592	134 m
Sansanné-Mango (see also: Mango, Nsara, N'Zara, Sansane-Mangu)	Togo	0.4708;10.3592	134 m

NE 10000Bc:

Baoulé	Togo	0.5833;10.2667	149 m

NE 10000Ab:

Padori	Togo	0.4333;10.2333	126 m

NE 10000Ba:

Paio (see Payo)	Togo	0.7167;10.2333	146 m
Payo (see also: Paio, Péio)	Togo	0.7167;10.2333	146 m
Péio (see Payo)	Togo	0.7167;10.2333	146 m

NE 10002Ba:

Bembéréké (see Bimbéréké)	Benin	2.6667;10.2333	449 m
Bimbéréké (see also: Bembéréké)	Benin	2.6667;10.2333	449 m

NE 10003Dc:

Ségbana	Benin	3.6931;10.9278	255 m

NE 10004Ac:

Borgu Game Reserve	Nigeria	4.1667;10.2500	

NE 10004Ad:

New Shagunnu	Nigeria	4.4667;10.3333	77 m
Shagunnu (see also: Shagunu, Shagunu Borgu)	Nigeria	4.4667;10.3333	77 m
Shagunu (see Shagunnu)	Nigeria	4.4667;10.3333	77 m
Shagunu Borgu (see Shagunnu)	Nigeria	4.4667;10.3333	77 m

NE 10006Cd:

Kamuku Forest Reserve (see Kamuku game reserve)	Nigeria	6.2964;10.8047	
Kamuku game reserve (see also: Kamuku Forest Reserve)	Nigeria	6.2964;10.8047	
S Birnin Gwari	Nigeria	6.3000;10.8000	

NE 10007Cb:

Kaduna	Nigeria	7.4403;10.5231	612 m

NE 10010Cd:

Darazo	Nigeria		10.4133;10.9953	498 m
Darazo, 6 km E	Nigeria	ca.	10.4133;10.9953	

NE 10013Dd:

Koza	Cameroon		13.8808;10.8689	485 m

NE 10013Da:

Mokolo - Mayo Louti road	Cameroon		13.7333;10.7000	
Sir	Cameroon		13.6833;10.5500	750 m

NE 10013Db:

Mokolo	Cameroon		13.8028;10.7403	760 m

NE 10014Cb:

Hardé 1	Cameroon		14.3371;10.5947	403 m
Hardé 2	Cameroon		14.3309;10.5917	422 m
Hotel Mizao	Cameroon		14.3123;10.5997	403 m
Maroua	Cameroon		14.3247;10.5956	384 m
(see also: Marua)				
Marua (see Maroua)	Cameroon		14.3247;10.5956	384 m
Pont Makabay	Cameroon		14.2818;10.5735	420 m
Pont Rouge	Cameroon		14.3150;10.5966	402 m
Pont Vert	Cameroon		14.3376;10.5996	404 m

NE 10015Ca:

Guemé	Cameroon		15.1586;10.5083	304 m
(see also: Guené)				
Guené (see Guemé)	Cameroon		15.1586;10.5083	304 m

NE 10015Ac:

Jágua (see Yagoua)	Cameroon		15.2406;10.3428	313 m
Yagoua	Cameroon		15.2406;10.3428	313 m
(see also: Jágua, Yagua)				
Yagua (see Yagoua)	Cameroon		15.2406;10.3428	313 m

NE 10022Bd:

Birao	Central African Republic		22.7833;10.2833	469 m

NE 10029Db:

Angolo [camp]	Sudan		29.9597;10.5069	
Buram	Sudan		29.9500;10.6000	
Buram [resthouse]	Sudan		29.9700;10.6286	
Djebel Digobo (see Jebel Digodo)	Sudan		29.8833;10.6167	
Djebel Digodo (see Jebel Digodo)	Sudan		29.8833;10.6167	
Jebel Digobo (see Jebel Digodo)	Sudan		29.8833;10.6167	
Jebel Digodo	Sudan		29.8833;10.6167	
(see also: Djebel Digobo, Djebel Digodo, Jebel Digobo)				
Nuba Mountains	Sudan		29.9500;10.6000	

NE 10030Dd:

Kologi	Sudan		30.9811;10.8606	525 m

NE 10030Ca:

Jebel Toro, Mesakin Qisar	Sudan		30.0167;10.7000	
Rheika, Tadoro, Mesakin Qisar	Sudan		30.0000;10.6833	
Tadoro, Mesakin Qisar	Sudan		30.0203;10.6906	650 m
Tossari	Sudan		30.0333;10.6667	

NE 10030Cb:

Talawdi (see also: Talodi)	Sudan		30.3797;10.6364	467 m
Talodi (see Talawdi)	Sudan		30.3797;10.6364	467 m

NE 10031Bd:

Malakal, 50 mi [= 80 km] N	South Sudan		31.8164;10.2501	

NE 10032Dc:

Debbat Marbeit (see also: Umbarbit)	South Sudan		32.5461;10.8897	
Umbarbit (see Debbat Marbeit)	South Sudan		32.5461;10.8897	

NE 10032Ca:

Kaka	South Sudan		32.1833;10.6000	375 m
Kaka, 7 mi [=11 km] S	South Sudan	ca.	32.1833;10.6000	

NE 10032Ac:

Malut (see also: Melut)	South Sudan		32.2000;10.4333	362 m
Melut (see Malut)	South Sudan		32.2000;10.4333	362 m

NE 10032Ab:

Niayok, near Paloich	South Sudan		32.3007;10.1264	367 m

NE 10034Ca:

Angolo	Sudan		34.1500;10.5167	

NE 10036Ad:

Azir River mouth	Ethiopia	ca.	36.4167;10.4833	1000 m

NE 10036Bd:

Fatam River, Big Abbai (see Fet'am Shet'), 100 mi S of lake Taua	Ethiopia		36.8667;10.3333	
Fet'am Shet', 100 mi S of lake Taua (see also: Fatam River, Big Abbai, Fettam River, Taua, 100 mi [=160 km] S Lake)	Ethiopia		36.8667;10.3333	
Fettam River (see Fet'am Shet'), 100 mi S of lake Taua	Ethiopia		36.8667;10.3333	
Koli (see also: Mabil)	Ethiopia		36.8667;10.4333	1626 m
Koli, 10 km W (see also: Mabil, 10 km W)	Ethiopia	ca.	36.7500;10.3167	
Mabil (see Koli)	Ethiopia		36.8667;10.4333	1626 m
Mabil, 10 km W (see Koli, 10 km W)	Ethiopia	ca.	36.7500;10.3167	

NE 10037Bc:

Dabra Marko's, near (see Debre Mark'os, near)	Ethiopia		37.7333;10.3500	2446 m
Dabra Marko's, near (see Debre Mark'os, near)	Ethiopia		37.7333;10.3500	2446 m
Dabra-Marqos, near (see Debre Mark'os, near)	Ethiopia		37.7333;10.3500	2446 m
Debra Marcos, near (see Debre Mark'os, near)	Ethiopia		37.7333;10.3500	2446 m
Debra Markos, near (see Debre Mark'os, near)	Ethiopia		37.7333;10.3500	2446 m
Debre Marcos, near (see Debre Mark'os, near)	Ethiopia		37.7333;10.3500	2446 m
Debre Mark'os, near (see also: Dabra Marko's, near, Dabra Marko's, near, Dabra-Marqos, near, Debra Marcos, near, Debra Markos, near, Debre Marcos, near, Moncorer, near, Monkorer, near)	Ethiopia		37.7333;10.3500	2446 m
Moncorer, near (see Debre Mark'os, near)	Ethiopia		37.7333;10.3500	2446 m
Monkorer, near (see Debre Mark'os, near)	Ethiopia		37.7333;10.3500	2446 m

NE 10039Bb:

Robi	Ethiopia		39.9000;10.0000	1232 m

NE 10040Ba:

Bahadu (see Be'adu Bota)	Ethiopia		40.6189;10.1931	
Be'adu Bota	Ethiopia		40.6189;10.1931	
(see also: Bahadu)				
Gowane	Ethiopia		40.6500;10.1667	

NE 10044Aa:

Dhuwi (see Dowai [wadi])	Somalia		44.2333;10.0333	
Dowa (see Dowai [wadi])	Somalia		44.2333;10.0333	
Dowai [wadi]	Somalia		44.2333;10.0333	
(see also: Dhuwi, Dowa, Duwi Pass)				
Duwi Pass (see Dowai [wadi])	Somalia		44.2333;10.0333	

NE 10045Ac:

Berbera, near	Somalia	ca.	45.0143;10.4396	

NE 10049Cc:

Galgala (see Galgalo Oase)	Somalia		49.0833;10.9667	453 m
Galgalla (see Galgalo Oase)	Somalia		49.0833;10.9667	453 m
Galgalo Oase	Somalia		49.0833;10.9667	453 m
(see also: Galgala, Galgalla)				

NW 09013Dc:

Debreeka (see Dubréka)	Guinea		-13.5233;9.7911	74 m
Dubréka	Guinea		-13.5233;9.7911	74 m
(see also: Debreeka, Dubreka, Soumba o Dubreka)				
Dubreka (see Dubréka)	Guinea		-13.5233;9.7911	74 m
Soumba o Dubreka (see Dubréka)	Guinea		-13.5233;9.7911	74 m

NW 09013Da:

Conakry	Guinea		-13.7122;9.5092	0 m
(see also: Konakri, Konakry)				
Conakry Island	Guinea	ca.	-13.6667;9.5000	
Konakri (see Conakry)	Guinea		-13.7122;9.5092	0 m
Konakry (see Conakry)	Guinea		-13.7122;9.5092	0 m
(see also: Great Forest of the East)				

NW 09013Cb:

Coya (see Coyah)	Guinea		-13.3769;9.7056	95 m
Coyah, Guinee-Maritime	Guinea		-13.3769;9.7056	95 m
(see also: Coya, Guinee-Maritime, cave, Koya)				
Guinee-Maritime, cave (see Coyah)	Guinea		-13.3769;9.7056	95 m
Koya (see Coyah)	Guinea		-13.3769;9.7056	95 m

NW 09012Dd:

Tahiré, foot Keleisi Plateau	Guinea		-12.7833;9.8500	144 m
(see also: Taïré)				
Taïré (see Tahiré), foot Keleisi Plateau	Guinea		-12.7833;9.8500	144 m

NW 09012Cd:

Kilimi section, 5.2 mi W Sainya	Sierra Leone		-12.4500;9.8000	
(see also: Sainya, 5.2 mi [=8.4 km] W)				
Sainya, 5.2 mi [=8.4 km] W (see Kilimi section)	Sierra Leone		-12.4500;9.8000	

NW 09012Cc:

Fintonia, 10.1 km NE	Sierra Leone		-12.1667;9.7500	

NW 09012Ca:

Fintonia, 5.7 km NE (see Outamba section)	Sierra Leone		-12.1833;9.7000	
Fintonia, 5.8 km E (see HQ, W bank Kaba river)	Sierra Leone		-12.1667;9.6667	
HQ, W bank Kaba river (see also: Fintonia, 5.8 km E)	Sierra Leone		-12.1667;9.6667	
Outamba section, 5.7 km NE Fintonia (see also: Fintonia, 5.7 km NE)	Sierra Leone		-12.1833;9.7000	

NW 09011Dc:

Freetown, 145 mi [=233 km] NE (see Musaia)	Sierra Leone		-11.5667;9.7500	423 m
Musaia, 145 mi NE Freetown (see also: Freetown, 145 mi [=233 km] NE)	Sierra Leone		-11.5667;9.7500	423 m

NW 09011Da:

Kabala (see also: Kaballa)	Sierra Leone		-11.5500;9.5833	456 m
Kaballa (see Kabala)	Sierra Leone		-11.5500;9.5833	456 m

NW 09011Bd:

Fadugu	Sierra Leone		-11.7667;9.3833	299 m

NW 09011Bb:

Bumban, 1 mi E	Sierra Leone		-11.9000;9.1167	

NW 09008Bb:

Fressoudou	Guinea	ca.	-8.9000;9.1333	
Samedou (see Samédougou)	Guinea		-8.9000;9.0000	698 m
Samédougou (see also: Samedou)	Guinea		-8.9000;9.0000	698 m

NW 09007Bc:

Obienné-Sienso (see Odienné-Siènso)	Côte d'Ivoire		-7.5156;9.4136	452 m
Odienné-Siènso (see also: Obienné-Sienso, Sienso)	Côte d'Ivoire		-7.5156;9.4136	452 m
Sienso (see Odienné-Siènso)	Côte d'Ivoire		-7.5156;9.4136	452 m

NW 09007Ac:

Ségélo-Koro (see also: Séguélo)	Côte d'Ivoire		-7.1500;9.4086	457 m
Séguélo (see Ségélo-Koro)	Côte d'Ivoire		-7.1500;9.4086	457 m

NW 09006Db:

Madinani mountains, E of (see also: Mandinani mountains, E of)	Côte d'Ivoire	ca.	-6.9500;9.6167	
Mandinani mountains, E of (see Madinani mountains, E of)	Côte d'Ivoire	ca.	-6.9500;9.6167	

NW 09006Cb:

Boundiali (see also: Boundiouli)	Côte d'Ivoire		-6.4869;9.5217	444 m
Boundiali, 2 km S	Côte d'Ivoire	ca.	-6.4869;9.5217	
Boundiouli (see Boundiali)	Côte d'Ivoire		-6.4869;9.5217	444 m
Yahama (see Yama)	Côte d'Ivoire		-6.3106;9.6006	430 m
Yama (see also: Yahama)	Côte d'Ivoire		-6.3106;9.6006	430 m

NW 09005Dd:

Banama Blanc, near Tiebila	Côte d'Ivoire		-5.8333;9.7500	

NW 09005Bc:

Korhogo	Côte d'Ivoire		-5.6333;9.4500	426 m
Korhogo department	Côte d'Ivoire	ca.	-5.6167;9.4500	ca. 400 m
Torgokaha	Côte d'Ivoire		-5.6333;9.3833	376 m

NW 09004Dc:

Comoe River	Burkina Faso		-4.6333;9.9500	260 m

NW 09004Ca:

Ouango Fetini (see Ouangofétini)	Côte d'Ivoire		-4.0500;9.5667	312 m
Ouangofétini	Côte d'Ivoire		-4.0500;9.5667	312 m
Ouangofétini (see also: Ouango Fetini)	Côte d'Ivoire		-4.0500;9.5667	312 m

NW 09004Ba:

Kong	Côte d'Ivoire		-4.6167;9.1500	308 m

NW 09003Cd:

Doropo	Côte d'Ivoire		-3.3333;9.8167	287 m

NW 09003Bd:

Korhogo, 180 km E	Côte d'Ivoire		-3.9833;9.4500	

NW 09003Ac:

Bouna (see also: Buna)	Côte d'Ivoire		-3.0000;9.2667	321 m
Buna (see Bouna)	Côte d'Ivoire		-3.0000;9.2667	321 m

NW 09002Ad:

Sawla, 15 mi [=24 km] E	Ghana	ca.	-2.4167;9.2833	

NW 09001Dd:

Mole Game Reserve (see also: Mole National Park)	Ghana		-1.8167;9.8333	
Mole Game Reserve, river below Headquarters	Ghana	ca.	-1.8167;9.8333	
Mole Motel, Damongo	Ghana		-1.8167;9.8333	
Mole Motel, 2nd dam below	Ghana	ca.	-1.8167;9.8333	
Mole National Park (see Mole Game Reserve)	Ghana		-1.8167;9.8333	
Mole National Park Headquarters	Ghana		-1.8167;9.8333	

NW 09001Db:

Bangweli Camp	Ghana		-1.8833;9.7000	
Bungeli, near (see Bungweli, near)	Ghana	ca.	-1.8919;9.7139	ca. 275 m
Bungueli, near (see Bungweli, near)	Ghana	ca.	-1.8919;9.7139	ca. 275 m
Bungweli, near (see also: Bungeli, near, Bungueli, near)	Ghana	ca.	-1.8919;9.7139	ca. 275 m
Konkori, NE	Ghana	ca.	-1.7667;9.6000	ca. 350 m
Konkori, NE escarpment top	Ghana	ca.	-1.7500;9.6667	

NW 09001Bd:

Damango, near	Ghana		-1.7500;9.2500	
Lovi Camp	Ghana		-1.9667;9.4500	
Samole Motel Camp	Ghana		-1.7833;9.2833	

NW 09001Bc:

Damongo, 30 - 33 mi [=48 - 53 km] from	Ghana		-1.5000;9.2667	

NW 09001Bb:

Damongo	Ghana		-1.8167;9.0833	230 m
Damongo, 1 mi [=1.6 km] NE	Ghana		-1.7500;9.0667	
Larabanga, near (see also: Laribanga, near)	Ghana	ca.	-1.8500;9.2167	189 m
Laribanga, near (see Larabanga, near)	Ghana	ca.	-1.8500;9.2167	189 m

NW 09001Ba:

Busunu, 30 - 33 mi from Damongo	Ghana		-1.5000;9.1500	145 m
Damango Scarps, About 17 mi to Rocks, near Mole river	Ghana		-1.6000;9.0500	

NW 09000Db:

Naboggo (see Nabogo)	Ghana		-0.8247;9.7403	137 m
Nabogo (see also: Naboggo, Nabugge, Nabuggo)	Ghana		-0.8247;9.7403	137 m
Nabugge (see Nabogo)	Ghana		-0.8247;9.7403	137 m
Nabuggo (see Nabogo)	Ghana		-0.8247;9.7403	137 m
Pong-Tamale (see also: Pung, Pung Tamale, Tamale)	Ghana		-0.8325;9.6850	146 m
Pung (see Pong-Tamale)	Ghana		-0.8325;9.6850	146 m
Pung Tamale (see Pong-Tamale)	Ghana		-0.8325;9.6850	146 m
Tamale (see Pong-Tamale)	Ghana		-0.8325;9.6850	146 m

NE 09000Dc:

Kadjamba (see Katchamba)	Togo		0.5258;9.8875	151 m
Kadjambe (see Katchamba)	Togo		0.5258;9.8875	151 m
Kadyamba (see Katchamba)	Togo		0.5258;9.8875	151 m
Kajamba (see Katchamba)	Togo		0.5258;9.8875	151 m
Katchamba (see also: Kadjamba, Kadjambe, Kadyamba, Kajamba, Katchammba)	Togo		0.5258;9.8875	151 m
Katchammba (see Katchamba)	Togo		0.5258;9.8875	151 m

NE 09000Bd:

Bassar prefecture (see Préfecture de Bassar)	Togo		0.7500;9.2500	
Bassar, circonscription de (see Préfecture de Bassar)	Togo		0.7500;9.2500	
Bassari, cercle de (see Préfecture de Bassar)	Togo		0.7500;9.2500	
Bassari, circonscription de (see Préfecture de Bassar)	Togo		0.7500;9.2500	
Cercle de Bassari (see Préfecture de Bassar)	Togo		0.7500;9.2500	
Circonscription de Bassar (see Préfecture de Bassar)	Togo		0.7500;9.2500	
Circonscription de Bassari (see Préfecture de Bassar)	Togo		0.7500;9.2500	
Circonscription de Katcha (see Préfecture de Bassar)	Togo		0.7500;9.2500	
Katcha, circonscription de (see Préfecture de Bassar)	Togo		0.7500;9.2500	
Préfecture de Bassar (see also: Bassar prefecture, Bassar, circonscription de , Bassari, cercle de , Bassari, circonscription de , Cercle de Bassari, Circonscription de Bassar, Circonscription de Bassari, Circonscription de Katcha, Katcha, circonscription de)	Togo		0.7500;9.2500	

NE 09000Bb:

Binaparba	Togo		0.7667;9.2333	456 m
Malfacassa (see Malfakassa)	Togo		0.9667;9.1667	
Malfakassa (see also: Malfacassa)	Togo		0.9667;9.1667	

NE 09001Cc:

Circonscription de Niamtougou (see Préfecture de Doufelgou)	Togo		1.0833;9.8333	
Doufelgou prefecture (see Préfecture de Doufelgou)	Togo		1.0833;9.8333	
Niamtougou (see also: Niamtuu, Njamtuu, Nyamtouhou)	Togo		1.1053;9.7683	378 m
Niamtougou, circonscription de (see Préfecture de Doufelgou)	Togo		1.0833;9.8333	
Niamtuu (see Niamtougou)	Togo		1.1053;9.7683	378 m
Njamtuu (see Niamtougou)	Togo		1.1053;9.7683	378 m
Nyamtouhou (see Niamtougou)	Togo		1.1053;9.7683	378 m

Préfecture de Doufelgou (see also: Circonscription de Niamtougou, Doufelgou prefecture, Niamtougou, circonscription de)	Togo	1.0833;9.8333	

NE 09001Da:

Soubroukou	Benin	1.6333;9.6833	435 m

NE 09001Ac:

Aledjo (see Alédjo Kadara)	Togo	1.2000;9.2500	612 m
Alédjo Kadara (see also: Aledjo)	Togo	1.2000;9.2500	612 m
Péwa	Togo	1.2333;9.2833	618 m

NE 09002Bc:

Parakou (see also: Paraku)	Benin	2.6167;9.3500	324 m
Paraku (see Parakou)	Benin	2.6167;9.3500	324 m
Tourou	Benin	2.5500;9.3500	311 m

NE 09002Aa:

Ouari-Maro forest	Benin	2.1667;9.1667	

NE 09003Cc:

Nikki	Benin	3.2167;9.9333	423 m

NE 09004Bb:

Bacita (see also: Basita)	Nigeria	4.9500;9.0833	100 m
Basita (see Bacita)	Nigeria	4.9500;9.0833	100 m
Djebba (see Jebba)	Nigeria	4.8333;9.1333	52 m
Jebba (see also: Djebba)	Nigeria	4.8333;9.1333	52 m

NE 09005Ac:

Mokwa	Nigeria	5.0500;9.2833	87 m

NE 09005Ad:

Kudu	Nigeria	5.3500;9.2667	139 m

NE 09006Cc:

Zungeru	Nigeria	6.1558;9.8128	149 m

NE 09006Aa:

Bida, 8 mi [=13 km] E (see Tsanchaga)	Nigeria	6.1500;9.1000	
Tsanchaga, 8 mi E Bida (see also: Bida, 8 mi [=13 km] E)	Nigeria	6.1500;9.1000	

NE 09007Cd:

Rafin Dinya (see Tungan-Rafin-Dinya)	Nigeria	7.4514;9.7589	544 m
Tungan-Rafin-Dinya (see also: Rafin Dinya)	Nigeria	7.4514;9.7589	544 m

NE 09007Bd:

Pandam	Nigeria	7.8333;9.2500	525 m

NE 09007Ba:

Abuja	Nigeria	7.5333;9.0833	777 m

NE 09008Dd:

Jos	Nigeria	8.9000;9.9167	1217 m
Nagaruta Forest Reserve	Nigeria	8.9000;9.9667	
Zawan, 2 mi [=3.2 km] S Jos	Nigeria	8.8747;9.7550	1276 m

NE 09008Cb:

Kagoro	Nigeria	8.3833;9.6000	860 m
Kagoro	Nigeria	8.3903;9.6078	863 m
Nindam farm	Nigeria	8.3833;9.6000	860 m

NE 09008Db:

Chuel, 2 mi [=3.2 km] S Jos	Nigeria	8.7833;9.7167	

NE 09008Ad:

Nindam Forest Reserve	Nigeria	8.3167;9.4667	

NE 09008Bd:

Maiyanga	Nigeria	8.9000;9.4000	1370 m
(see also: Mianga, road)			
Mianga, road (see Maiyanga)	Nigeria	8.9000;9.4000	1370 m

NE 09009Ac:

Panyam [Fish Farm]	Nigeria	9.2167;9.4167	1252 m
Panyam, 2 mi [=3.2 km] S	Nigeria	9.2167;9.4167	

NE 09009Bc:

Kabir (see Kabwir)	Nigeria	9.5667;9.4000	800 m
Kabwir	Nigeria	9.5667;9.4000	800 m
(see also: Kabir)			
Kabwir, 1 mi [=1.6 km] S	Nigeria	9.5667;9.4000	

NE 09009Bb:

Wase Rock	Nigeria	9.9667;9.0667	

NE 09010Dc:

Futuk, 12 km from Yankari Game Reserve	Nigeria	ca.	10.5000;9.7500	
(see also: Yankari Game Reserve, 12 km from)				
Wikki	Nigeria		10.5328;9.7694	
Yankari Game Reserve	Nigeria		10.5000;9.7500	
Yankari Game Reserve, 12 km from (see Futuk)	Nigeria	ca.	10.5000;9.7500	

NE 09010Da:

Yankari	Nigeria	10.6667;9.6000	276 m

NE 09012Ac:

Numan, Gongola	Nigeria	12.0333;9.4667	152 m

NE 09012Bb:

Touroua	Cameroon	12.9667;9.0833	202 m
(see also: Turua)			
Turua (see Touroua)	Cameroon	12.9667;9.0833	202 m

NE 09013Ad:

Garoua	Cameroon	13.4000;9.3000	165 m
(see also: Garua)			
Garua (see Garoua)	Cameroon	13.4000;9.3000	165 m

NE 09013Ba:

Garoua, 24 km S, 13 km E	Cameroon		13.5000;9.0833	

NE 09014Ca:

Lac de Léré (see Léré, Lac de)	Chad		14.1659;9.6168	
Lake Léré (see Léré, Lac de)	Chad		14.1659;9.6168	
Léré	Chad		14.2303;9.6211	293 m
Léré, Lac de	Chad		14.1659;9.6168	
(see also: Lac de Léré, Lake Léré, Léré, lake)				
Léré, lake (see Léré, Lac de)	Chad		14.1659;9.6168	

NE 09016Ad:

Behagie (see Laï)	Chad		16.2989;9.3952	361 m
Behagle (see Laï)	Chad		16.2989;9.3952	361 m
Laï	Chad		16.2989;9.3952	361 m
(see also: Behagie, Behagle)				

NE 09016Bc:

Gidari (see Guidari), west of Sarh	Chad		16.6667;9.2833	419 m
Guidari, west of Sarh	Chad		16.6725;9.2689	424 m
(see also: Gidari)				

NE 09018Bd:

Kiyabé (see Kyabé)	Chad		18.9500;9.4500	366 m
Kiyabi (see Kyabé)	Chad		18.9500;9.4500	366 m
Kyabé	Chad		18.9500;9.4500	366 m
(see also: Kiyabé, Kiyabi)				

NE 09018Ab:

Archambault (see Sarh)	Chad		18.3833;9.1500	347 m
Fort Archambault (see Sarh)	Chad		18.3833;9.1500	347 m
Fort Archambault, 30 mi [=48 km] N (see Fort Archambault, 30 mi [=48 km] N)	Chad	ca.	18.3833;9.1667	
(see also: Fort Archambault, 30 mi [=48 km] N)				
Sahr (see Sarh)	Chad		18.3833;9.1500	347 m
Sarh	Chad		18.3833;9.1500	347 m
(see also: Archambault, Fort Archambault, Sahr)				
Sarh, 30 mi [=48 km] N	Chad	ca.	18.3833;9.1500	

NE 09019Ac:

Koskobo (see Kosokobo II)	Chad		19.2488;9.4832	362 m
Kosokobo (see Kosokobo II)	Chad		19.2488;9.4832	362 m
Kosokobo II	Chad		19.2488;9.4832	362 m
(see also: Koskobo, Kosokobo, Kossokobo)				
Kossokobo (see Kosokobo II)	Chad		19.2488;9.4832	362 m

NE 09021Da:

Gordil	Central African Republic		21.6867;9.6116	
Gordil III (see Bozo)	Central African Republic		21.6867;9.6116	

NE 09021Aa:

Gounda camp	Central African Republic		21.2000;9.0500	436 m

NE 09024Bc:

Rikki river	Sudan		24.6000;9.3833	

NE 09025Cc:

Alajuz (see Al'Ajuz (well))	South Sudan		25.0667;9.8833	526 m

Al'Ajuz (well) (see also: Alajuz)	South Sudan		25.0667;9.8833	526 m

NE 09030Cb:

Bu?eyrat No (see No, lake)	South Sudan		30.4667;9.5000	
Lake No (see No, lake)	South Sudan		30.4667;9.5000	
Lake No, below (see No, lake)	South Sudan	ca.	30.4667;9.5000	
No, bu?eyrat (see No, lake)	South Sudan		30.4667;9.5000	
No, lake (see also: Bu?eyrat No, Lake No, Lake No, below, No, bu?eyrat)	South Sudan		30.4667;9.5000	

NE 09031Da:

Malakal (see also: Malakal)	South Sudan		31.6561;9.5369	276 m
Malakal (see Malakal)	South Sudan		31.6561;9.5369	276 m
Malakal, 4 mi [=6.4 km] N	South Sudan		31.6255;9.6549	

NE 09031Ac:

Ba?r az Zaraf (see Bahr ez Zeraf)	South Sudan	ca.	31.1635;9.4138	
Bahr El Zeraf (see Bahr ez Zeraf)	South Sudan	ca.	31.1635;9.4138	
Bahr ez Zeraf (see also: Ba?r az Zaraf, Bahr El Zeraf)	South Sudan	ca.	31.1635;9.4138	
Tonga (see also: Tonja)	South Sudan		31.0378;9.4869	360 m
Tonja (see Tonga)	South Sudan		31.0378;9.4869	360 m

NE 09031Ad:

Atar, Khawr [wadi] (see also: Atar, Khor [wadi], Attar, Khor [wadi], Diar, Khor [wadi], Khawr Atar [wadi], Khor Atar [wadi], Khor Attar [wadi], Khor Diar [wadi])	South Sudan		31.4167;9.3364	
Atar, Khor [wadi] (see Atar, Khawr [wadi])	South Sudan		31.4167;9.3364	
Attar, Khor [wadi] (see Atar, Khawr [wadi])	South Sudan		31.4167;9.3364	
Diar, Khor [wadi] (see Atar, Khawr [wadi])	South Sudan		31.4167;9.3364	
Khawr Atar [wadi] (see Atar, Khawr [wadi])	South Sudan		31.4167;9.3364	
Khor Atar [wadi] (see Atar, Khawr [wadi])	South Sudan		31.4167;9.3364	
Khor Attar [wadi] (see Atar, Khawr [wadi])	South Sudan		31.4167;9.3364	
Khor Diar [wadi] (see Atar, Khawr [wadi])	South Sudan		31.4167;9.3364	

NE 09031Bc:

Abu Doleb (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		31.6008;9.3597	276 m
Doleb (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		31.6008;9.3597	276 m
Doleib Hill (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		31.6008;9.3597	276 m
Dulayb, Bahr-el-Abiad, Malakal district (see also: Abu Doleb, Doleb, Doleib Hill, Tatuga)	South Sudan		31.6008;9.3597	276 m
Nahr Sobat (see Sobat river)	South Sudan		31.5477;9.3704	
Nahr Subat (see Sobat river)	South Sudan		31.5477;9.3704	
Sobat river (see also: Nahr Sobat, Nahr Subat)	South Sudan		31.5477;9.3704	
Tatuga (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		31.6008;9.3597	276 m
Taufikia (see Tawfiqiyah)	South Sudan		31.6294;9.4317	276 m
Tawfiqiyah (see also: Taufikia, Tawfiqiyya)	South Sudan		31.6294;9.4317	276 m
Tawfiqiyya (see Tawfiqiyah)	South Sudan		31.6294;9.4317	276 m

NE 09032Cc:

Fashoda, near (see Kodok, near), Malakal district	South Sudan		32.1167;9.8833	271 m
Kodak, near (see Kodok, near), Malakal district	South Sudan		32.1167;9.8833	271 m
Kodok, near, Malakal district (see also: Fashoda, near, Kodak, near)	South Sudan		32.1167;9.8833	271 m

NE 09035Dc:

Didesa Wenz (see also: Didessa River)	Ethiopia	ca.	35.6833;9.9500	1190 m
Didessa River (see Didesa Wenz)	Ethiopia	ca.	35.6833;9.9500	1190 m

NE 09035Bb:

Gembi (see Gimbi)	Ethiopia		35.8333;9.1667	1844 m
Ghimbi (see Gimbi)	Ethiopia		35.8333;9.1667	1844 m
Gimbi (see also: Gembi, Ghimbi)	Ethiopia		35.8333;9.1667	1844 m
Gimbi, 12 km E	Ethiopia	ca.	35.8333;9.1667	
Gimbi, 25 km E	Ethiopia	ca.	35.8333;9.1667	
Gimbi, 7 km E	Ethiopia	ca.	35.8333;9.1667	

NE 09036Aa:

Didessa river bridge	Ethiopia		36.1500;9.0333	1533 m
Didessa settlement, Tola river	Ethiopia		36.1500;9.0333	

NE 09037Dd:

Muger river, 5 mi [=8 km] S (see Sanfords Ranch)	Ethiopia		37.9333;9.9167	
Mugher river, 5 mi [=8 km] S (see Sanfords Ranch)	Ethiopia		37.9333;9.9167	
Sandford's Ranch (see Sanfords Ranch), 5 mi [=8 km] S Muger river	Ethiopia		37.9333;9.9167	
Sanfords Ranch, 5 mi [=8 km] S Muger river (see also: Muger river, 5 mi [=8 km] S, Mugher river, 5 mi [=8 km] S, Sandford's Ranch)	Ethiopia		37.9333;9.9167	

NE 09038Ba:

Addis Ababa (see Adis Abeba)	Ethiopia		38.7000;9.0333	2362 m
Addis Ababa, vicinity of	Ethiopia	ca.	38.7000;9.0333	
Addis Abbaba (see Adis Abeba)	Ethiopia		38.7000;9.0333	2362 m
Addis Abeba (see Adis Abeba)	Ethiopia		38.7000;9.0333	2362 m
Adis Abeba (see also: Addis Ababa, Addis Abbaba, Addis Abeba)	Ethiopia		38.7000;9.0333	2362 m
Mekinissa	Ethiopia		38.7000;9.0500	

NE 09039Db:

Cheno	Ethiopia		39.9083;9.7008	1369 m
Let Marafi (see Let Marefiya)	Ethiopia		39.7500;9.6333	2467 m
Let Marafia (see Let Marefiya)	Ethiopia		39.7500;9.6333	2467 m
Let Marafiya (see Let Marefiya)	Ethiopia		39.7500;9.6333	2467 m
Let Marefia (see Let Marefiya)	Ethiopia		39.7500;9.6333	2467 m
Let Marefiya (see also: Let Marafi, Let Marafia, Let Marafiya, Let Marefia)	Ethiopia		39.7500;9.6333	2467 m

NE 09039Aa:

Addis Ababa, 24 km E (see Shoa)	Ethiopia		39.0000;9.0000	1981 m
Schoa (see Shoa)	Ethiopia		39.0000;9.0000	1981 m
Scioa province (see Shewa Kifle Hager province)	Ethiopia	ca.	39.0000;9.0000	
Shawa province (see Shewa Kifle Hager province)	Ethiopia	ca.	39.0000;9.0000	
Shewa Kifle Hager province (see also: Scioa province, Shawa province, Shewa province, Shoa province)	Ethiopia	ca.	39.0000;9.0000	
Shewa province (see Shewa Kifle Hager province)	Ethiopia	ca.	39.0000;9.0000	
Shoa (see also: Addis Ababa, 24 km E, Schoa)	Ethiopia	ca.	39.0000;9.0000	1981 m
Shoa province (see Shewa Kifle Hager province)	Ethiopia	ca.	39.0000;9.0000	

NE 09039Bb:

Aware Melca	Ethiopia		39.9667;9.1333	
Filwoha Awash	Ethiopia		39.9667;9.0000	

NE 09040Cb:

Awash Station, 25 mi [=40 km] N (see Melka Werer), Awash Station, 40 km N	Ethiopia		40.4000;9.5500	810 m
Melka Were (see Melka Werer), 25 mi [=40 km] N Awash Station	Ethiopia		40.4000;9.5500	810 m

Melka Werer, 25 mi [=40 km] N Awash Station (see also: Awash Station, 25 mi [=40 km] N, Melka Were)	Ethiopia		40.4000;9.5500	810 m

NE 09040Ad:

Awash Station, 12 mi [=19 km] N (see Melka Sede)	Ethiopia		40.3000;9.3500	787 m
Melka Sadi (see Melka Sede), 12 mi [=19 km] N Awash Station	Ethiopia		40.3000;9.3500	787 m
Melka Sede, 12 mi [=19 km] N Awash Station (see also: Awash Station, 12 mi [=19 km] N, Melka Sadi)	Ethiopia		40.3000;9.3500	787 m

NE 09041Db:

Daredawa (see Dire Dawa)	Ethiopia		41.8667;9.5833	1236 m
Dirdabò (see Dire Dawa)	Ethiopia		41.8667;9.5833	1236 m
Dire Daba (see Dire Dawa)	Ethiopia		41.8667;9.5833	1236 m
Dire Daoua (see Dire Dawa)	Ethiopia		41.8667;9.5833	1236 m
Dire Daua (see Dire Dawa)	Ethiopia		41.8667;9.5833	1236 m
Dire Dawa (see also: Daredawa, Dirdabò, Dire Daba, Dire Daoua, Dire Daua, Dire Dawa, Dire Dewa, Direaoua, Diré-Daoua, Direduia)	Ethiopia		41.8667;9.5833	1236 m
Dire Dawa (see Dire Dawa)	Ethiopia		41.8667;9.5833	1236 m
Dire Dawa, 3 km S	Ethiopia	ca.	41.8833;9.5333	
Dire Dewa (see Dire Dawa)	Ethiopia		41.8667;9.5833	1236 m
Direaoua (see Dire Dawa)	Ethiopia		41.8667;9.5833	1236 m
Diré-Daoua (see Dire Dawa)	Ethiopia		41.8667;9.5833	1236 m
Direduia (see Dire Dawa)	Ethiopia		41.8667;9.5833	1236 m

NE 09041Ac:

Afdam (see Afdem)	Ethiopia		41.0000;9.4667	1056 m
Afdem (see also: Afdam, Afdem)	Ethiopia		41.0000;9.4667	1056 m
Afdem (see Afdem)	Ethiopia		41.0000;9.4667	1056 m

NE 09041Ad:

Hirna and Deder, between	Ethiopia	ca.	41.2667;9.3333	

NE 09041Bc:

Korem (see Koreme)	Ethiopia		41.6428;9.3147	2556 m
Koreme (see also: Korem, Koreme)	Ethiopia		41.6428;9.3147	2556 m
Koreme (see Koreme)	Ethiopia		41.6428;9.3147	2556 m

NE 09041Aa:

Hirna	Ethiopia		41.1000;9.2167	

NE 09041Bb:

Girawa (see also: Graua, Grawa, Grewa)	Ethiopia		41.8389;9.1331	
Graua (see Girawa)	Ethiopia		41.8389;9.1331	
Grawa (see Girawa)	Ethiopia		41.8389;9.1331	
Grewa (see Girawa)	Ethiopia		41.8389;9.1331	

NE 09042Ac:

Alamaya (see Alem Maya)	Ethiopia		42.0131;9.3947	2000 m
Alem Maya (see also: Alamaya, Alemay, Alemaya)	Ethiopia		42.0131;9.3947	2000 m
Alemay (see Alem Maya)	Ethiopia		42.0131;9.3947	2000 m
Alemaya (see Alem Maya)	Ethiopia		42.0131;9.3947	2000 m
Barzala cave (see Rako Barzala)	Ethiopia	ca.	42.0833;9.3333	
Harar (see Harer)	Ethiopia		42.1167;9.3167	1864 m
Harer (see also: Harar, Harrar)	Ethiopia		42.1167;9.3167	1864 m
Harrar (see Harer)	Ethiopia		42.1167;9.3167	1864 m

Rako Barzala (see also: Barzala cave)	Ethiopia	ca.	42.0833;9.3333	

NE 09042Bd:

Djigdjiga (see Jijiga)	Ethiopia		42.8000;9.3500	1608 m
Dzhidzhiga (see Jijiga)	Ethiopia		42.8000;9.3500	1608 m
Giggiga (see Jijiga)	Ethiopia		42.8000;9.3500	1608 m
Giggigga (see Jijiga)	Ethiopia		42.8000;9.3500	1608 m
Jigjiga (see Jijiga)	Ethiopia		42.8000;9.3500	1608 m
Jigjiga road bridge, Errer river	Ethiopia	ca.	42.8000;9.3500	
Jigjiga road bridge, 0.5 km E, Errer river	Ethiopia	ca.	42.8000;9.3500	
Jigjiga road, 16 km S, Errer river	Ethiopia	ca.	42.8000;9.3500	
Jigjigga (see Jijiga)	Ethiopia		42.8000;9.3500	1608 m
Jijiga (see also: Djigdjiga, Dzhidzhiga, Giggiga, Giggigga, Jigjiga, Jigjigga)	Ethiopia		42.8000;9.3500	1608 m

NE 09044Ca:

Hargeisa (see Hargeysa)	Somalia		44.0667;9.5833	1277 m
Hargesa (see Hargeysa)	Somalia		44.0667;9.5833	1277 m
Hargeysa (see also: Hargeisa, Hargesa)	Somalia		44.0667;9.5833	1277 m

NE 09045Cc:

Sheekh (see Shiikh)	Somalia		45.1833;9.9333	1439 m
Sheikh (see Shiikh)	Somalia		45.1833;9.9333	1439 m
Shiikh (see also: Sheekh, Sheikh, Upper Sheikh)	Somalia		45.1833;9.9333	1439 m
Upper Sheikh (see Shiikh)	Somalia		45.1833;9.9333	1439 m

NE 09045Da:

Bur 'ó (see Burco)	Somalia		45.5333;9.5167	1034 m
Burao (see Burco)	Somalia		45.5333;9.5167	1034 m
Burco (see also: Bur 'ó, Burao)	Somalia		45.5333;9.5167	1034 m

NE 09048Ab:

Taleh cave	Somalia		48.4167;9.2000	

NE 09050Aa:

Mijertein	Somalia		50.0000;9.0000	

NW 08013Cb:

Cole Farm, 6 km from Freetown (see also: Freetown, 6 km from)	Sierra Leone	ca.	-13.2833;8.5000	

NW 08013Ca:

Tasso island	Sierra Leone		-13.0744;8.5547	

NW 08013Ad:

Aberdeen Village, 14 km from Freetown (see also: Freetown, 14 km from)	Sierra Leone		-13.2844;8.4925	0 m
Freetown, 10 km from (see Lumley Village)	Sierra Leone		-13.2825;8.4539	0 m
Freetown, 14 km from (see Aberdeen Village)	Sierra Leone		-13.2844;8.4925	0 m
Hamilton Village, near Freetown (see also: Kangbe)	Sierra Leone		-13.2597;8.3819	60 m
Kangbe (see Hamilton Village), near Freetown	Sierra Leone		-13.2597;8.3819	60 m
Lumley Village, 10 km from Freetown (see also: Freetown, 10 km from, Pasandi)	Sierra Leone		-13.2825;8.4539	0 m
Murray Town	Sierra Leone		-13.2653;8.4936	20 m
Pasandi (see Lumley Village), 10 km from Freetown	Sierra Leone		-13.2825;8.4539	0 m

NW 08013Ac:

Aureol, mount (see Mount Aureol)	Sierra Leone	-13.2182;8.4808	366 m
Colony peninsula (see Sierrra Leone peninsula)	Sierra Leone	-13.1667;8.3333	
Four Miles (see Four Miles)	Sierra Leone	-13.0047;8.3386	48 m
(see also: Four Miles)			
Freetown, Hillstation	Sierra Leone	-13.2342;8.4900	76 m
Freetown, 24 km (see Wellington Village)	Sierra Leone	-13.1694;8.4486	41 m
Kissey (see Kissy), near Freetown	Sierra Leone	-13.1931;8.4686	89 m
Kissy, near Freetown	Sierra Leone	-13.1931;8.4686	89 m
(see also: Kissey, Kissy Village)			
Kissy Village (see Kissy), near Freetown	Sierra Leone	-13.1931;8.4686	89 m
Lokko Town (see Russel Village)	Sierra Leone	-13.0833;8.2500	50 m
Mount Aureol	Sierra Leone	-13.2182;8.4808	366 m
(see also: Aureol, mount)			
Newton	Sierra Leone	-13.0047;8.3386	48 m
Russel Village	Sierra Leone	-13.0833;8.2500	50 m
(see also: Lokko Town, Russell)			
Russell (see Russel Village)	Sierra Leone	-13.0833;8.2500	50 m
Sierrra Leone peninsula	Sierra Leone	-13.1667;8.3333	
(see also: Colony peninsula)			
Waterloo	Sierra Leone	-13.0719;8.3383	39 m
Wellington Village, 24 km from Freetown	Sierra Leone	-13.1694;8.4486	41 m
(see also: Freetown, 24 km)			
York	Sierra Leone	-13.1800;8.2856	0 m

NW 08013Aa:

Kent	Sierra Leone	-13.1667;8.1658	0 m

NW 08012Cc:

Makeni	Sierra Leone	-12.0500;8.8833	92 m

NW 08012Db:

Petifu, Port Loko Creek	Sierra Leone	-12.9500;8.5833	
(see also: Port Lokko river, Port Loko Creek)			
Port Lokko river (see Petifu)	Sierra Leone	-12.9500;8.5833	
Port Loko Creek (see Petifu)	Sierra Leone	-12.9500;8.5833	

NW 08012Da:

Freetown, 129 km from (see Lunsar)	Sierra Leone	-12.5333;8.6833	52 m
Lansar (see Lunsar), 129 km from Freetown	Sierra Leone	-12.5333;8.6833	52 m
Lunsar, 129 km from Freetown	Sierra Leone	-12.5333;8.6833	52 m
(see also: Freetown, 129 km from, Lansar)			

NW 08012Cb:

Rokupr	Sierra Leone	-12.3953;8.6717	77 m

NW 08012Bd:

Saltpan, near, near Fogbo	Sierra Leone	-12.9833;8.2667	4 m

NW 08012Ba:

Kassewa Forest Reserve, 20 mi NE Moyamba	Sierra Leone	-12.5000;8.0667	
(see also: Moyamba, 20 mi [=32 km] NE)			
Moyamba, 20 mi [=32 km] NE (see Kassewa Forest Reserve)	Sierra Leone	-12.5000;8.0667	

NW 08012Aa:

Njala	Sierra Leone	-12.0844;8.1178	67 m
(see also: Njale)			
Njala Taja River	Sierra Leone	-12.0667;8.1000	
Njale (see Njala)	Sierra Leone	-12.0844;8.1178	67 m

NW 08011Db:

Tonkolili district	Sierra Leone	ca.	-11.8417;8.6189	

NW 08011Ac:

Panguma, 10 mi [=16 km] N	Sierra Leone		-11.1000;8.2833	

NW 08011Aa:

Konia, 0.5 mi [=0.8 km] SE	Sierra Leone		-11.0167;8.1000	
Konia, 5 mi [=8 km] SE	Sierra Leone		-11.0167;8.1000	
Lalehun	Sierra Leone		-11.0833;8.1833	256 m

NW 08010Bb:

Segbwema (see also: Segbwemba)	Sierra Leone		-10.9500;8.0000	
Segbwema, 1 mi [=1.6 km] SE	Sierra Leone		-10.9500;8.0000	
Segbwemba (see Segbwema)	Sierra Leone		-10.9500;8.0000	

NW 08010Aa:

Ngilima, Wologizi Mountain Range	Liberia		-10.1267;8.0867	433 m

NW 08009Da:

Balouma area, 25 km NW Macenta (see also: Macenta, 25 km NW)	Guinea		-9.6333;8.6500	609 m
Macenta, 25 km NW (see Balouma area)	Guinea		-9.6333;8.6500	609 m

NW 08009Cb:

Macenta (see also: Magenta)	Guinea		-9.4694;8.5461	598 m
Magenta (see Macenta)	Guinea		-9.4694;8.5461	598 m

NW 08009Bd:

John Town	Liberia		-9.7500;8.4167	
Kluga mountains	Liberia		-9.7500;8.4167	
Voinjama, 2 mi [=3.2 km] SW (see Zozoma)	Liberia		-9.7833;8.4167	
Zozoma, 2 mi [=3.2 km] SW Voinjama. (see also: Voinjama, 2 mi [=3.2 km] SW, Zuzoma)	Liberia		-9.7833;8.4167	
Zuzoma (see Zozoma), 2 mi [=3.2 km] SW Voinjama.	Liberia		-9.7833;8.4167	

NW 08009Bc:

John Hegbe farm, ca. 2 mi SW Voinjama, near Zozoma (see also: Voinjama, ca. 2 mi [=3.2 km] SW)	Liberia		-9.5833;8.4167	500 m
Kluga	Liberia		-9.7219;8.4503	568 m
Voinjama, ca. 2 mi [=3.2 km] SW (see John Hegbe farm), near Zozoma	Liberia		-9.5833;8.4167	500 m

NW 08009Ad:

Réserve de la Biosphère du Massif du Ziama (see Ziama, Biosphere reserve), near Park Station, W edge of Séréddou	Guinea	ca.	-9.3000;8.3667	
Sérédou (see also: Seredou)	Guinea		-9.2997;8.3822	
Seredou (see Sérédou)	Guinea		-9.2997;8.3822	
Ziama, Biosphere reserve, near Park Station, W edge of Séréddou (see also: Réserve de la Biosphère du Massif du Ziama, Ziama, Réserve de la Biosphère du Massif du)	Guinea	ca.	-9.3000;8.3667	
Ziama, Réserve de la Biosphère du Massif du (see Ziama, Biosphere reserve), near Park Station, W edge of Séréddou	Guinea	ca.	-9.3000;8.3667	

NW 08009Bb:

Kpandemai Mountains (see Wologizi mountain range)	Liberia	ca.	-9.9278;8.1100	330 m

Walo Mountains (see Wologizi mountain range)	Liberia	ca.	-9.9278;8.1100	330 m
Waulo Mountains (see Wologizi mountain range)	Liberia	ca.	-9.9278;8.1100	330 m
Wologisi Range (see Wologizi mountain range)	Liberia	ca.	-9.9278;8.1100	330 m
Wologisi Wutuvi (see Wologizi mountain range)	Liberia	ca.	-9.9278;8.1100	330 m
Wologizi mountain range (see also: Kpandemai Mountains, Walo Mountains, Waulo Mountains, Wologisi Range, Wologisi Wutuvi, Wologizi Range)	Liberia	ca.	-9.9278;8.1100	330 m
Wologizi Range (see Wologizi mountain range)	Liberia	ca.	-9.9278;8.1100	330 m

NW 08009Ab:

Ziggida (see Zigida), 25 mi [=40 km] N Zorzor	Liberia		-9.4897;8.0367	
Ziggida, 1 km N, 3 km E (see Zigida, 1 km N, 3 km E)	Liberia	ca.	-9.4897;8.0367	
Ziggida, 10.5 km N, 1 km E (see Zigida, 10.5 km N, 1 km E)	Liberia	ca.	-9.4817;8.1308	450 m
Ziggida, 11 km N, 2 km E (see Zigida, 11 km N, 2 km E), Gabagea River	Liberia	ca.	-9.4722;8.1356	
Ziggida, 13 km N, 1 km E (see Zigida, 13 km N, 1 km E)	Liberia	ca.	-9.4811;8.1528	759 m
Ziggida, 7 km N, 2 km E (see Zigida, 7 km N, 2 km E)	Liberia	ca.	-9.4897;8.0367	
Ziggida, 7 mi [=11 km] N, 1 mi [=1.6 km] E (see Zigida, 7 mi [=11 km] N, 1 mi [=1.6 km] E)	Liberia	ca.	-9.4897;8.0367	
Zigida, 25 mi [=40 km] N Zorzor (see also: Ziggida, Zigida Village, Zorzor, 25 mi [=40 km] N)	Liberia		-9.4897;8.0367	
Zigida Village (see Zigida), 25 mi [=40 km] N Zorzor	Liberia		-9.4897;8.0367	
Zigida, 1 km N, 3 km E (see also: Ziggida, 1 km N, 3 km E)	Liberia	ca.	-9.4897;8.0367	
Zigida, 10.5 km N, 1 km E (see also: Ziggida, 10.5 km N, 1 km E)	Liberia	ca.	-9.4817;8.1308	450 m
Zigida, 11 km N, 2 km E, Gabagea River (see also: Ziggida, 11 km N, 2 km E)	Liberia	ca.	-9.4722;8.1356	
Zigida, 13 km N, 1 km E (see also: Ziggida, 13 km N, 1 km E)	Liberia	ca.	-9.4811;8.1528	759 m
Zigida, 7 km N, 2 km E (see also: Ziggida, 7 km N, 2 km E)	Liberia	ca.	-9.4897;8.0367	
Zigida, 7 mi [=11 km] N, 1 mi [=1.6 km] E (see also: Ziggida, 7 mi [=11 km] N, 1 mi [=1.6 km] E)	Liberia	ca.	-9.4897;8.0367	
Zorzor, 25 mi [=40 km] N (see Zigida)	Liberia		-9.4897;8.0367	

NW 08008Cd:

Beyla prefecture	Guinea	ca.	-8.4167;8.9167	

NW 08008Db:

2002 RAP Site 1	Guinea		-8.9059;8.5311	1350 m
2002 RAP Site 2	Guinea		-8.9367;8.5248	600 m
Canga-Moribadou Road, 2nd bridge on	Guinea		-8.8572;8.5932	ca. 750 m
Oueleba	Guinea		-8.8964;8.5940	1029 m
Oueleba-Dump	Guinea		-8.8873;8.6189	
Tourela, 2.3 km E	Guinea		-8.9499;8.5089	621 m
Western Spur Valley	Guinea		-8.9212;8.5573	ca. 900 m
Whiskey 1	Guinea		-8.8991;8.5490	1175 m

NW 08008Bd:

Foko Confluence	Guinea		-8.9134;8.4968	737 m
Pic de Foko	Guinea		-8.8967;8.4931	1289 m

NW 08007Bc:

Bolo (see Booro)	Côte d'Ivoire		-7.5667;8.4833	456 m
Booro (see also: Bolo)	Côte d'Ivoire		-7.5667;8.4833	

NW 08007Ba:

Kienko (see Tyenko)	Côte d'Ivoire		-7.5667;8.2333	451 m
Tienko (see Tyenko)	Côte d'Ivoire		-7.5667;8.2333	451 m
Tyenko (see also: Kienko, Tienko)	Côte d'Ivoire		-7.5667;8.2333	451 m

NW 08006Ba:

Douna	Côte d'Ivoire		-6.5431;8.0925	302 m

NW 08005Dd:

Kadioa (see Kadyoha)	Côte d'Ivoire		-5.8833;8.9667	429 m
Kadioa, near, on Bou river	Côte d'Ivoire	ca.	-5.8833;8.9667	
Kadioha (see Kadyoha)	Côte d'Ivoire		-5.8833;8.9667	429 m
Kadyoha (see also: Kadioa, Kadioha)	Côte d'Ivoire		-5.8833;8.9667	429 m

NW 08005Cb:

Niakarama Kaha (see Niakaramandougou)	Côte d'Ivoire		-5.2833;8.6667	303 m
Niakaramadougou (see Niakaramandougou)	Côte d'Ivoire		-5.2833;8.6667	303 m
Niakaramandougou (see also: Niakarama Kaha, Niakaramadougou, Niankaramadugu, Niankaramandougou)	Côte d'Ivoire		-5.2833;8.6667	303 m
Niankaramadugu (see Niakaramandougou)	Côte d'Ivoire		-5.2833;8.6667	303 m
Niankaramandougou (see Niakaramandougou)	Côte d'Ivoire		-5.2833;8.6667	303 m

NW 08004Ad:

Dabakala (see also: Dabakla)	Côte d'Ivoire		-4.4333;8.3667	249 m
Dabakla (see Dabakala)	Côte d'Ivoire		-4.4333;8.3667	249 m

NW 08003Dc:

Comoé National Park (see also: Forêt Classée et Réserve totale de la faune de Bouna, Komoe National Park, Parc National de Bouna, Parc National de la Comoé, Parc National de la Komoé, Parc National du Komoé, Reserve totale de faune de Bouna)	Côte d'Ivoire		-3.5907;8.8224	
Forêt Classée et Réserve totale de la faune de Bouna (see Comoé National Park)	Côte d'Ivoire		-3.5907;8.8224	
Komoe National Park (see Comoé National Park)	Côte d'Ivoire		-3.5907;8.8224	
Parc National de Bouna (see Comoé National Park)	Côte d'Ivoire		-3.5907;8.8224	
Parc National de la Comoé (see Comoé National Park)	Côte d'Ivoire		-3.5907;8.8224	
Parc National de la Komoé (see Comoé National Park)	Côte d'Ivoire		-3.5907;8.8224	
Parc National du Komoé (see Comoé National Park)	Côte d'Ivoire		-3.5907;8.8224	
Reserve totale de faune de Bouna (see Comoé National Park)	Côte d'Ivoire		-3.5907;8.8224	

NW 08002Cd:

Sakpa	Ghana		-2.3500;8.8667	255 m

NW 08001Ba:

Kintampo	Ghana		-1.7167;8.0500	288 m

NW 08000Ca:

Voulkhé-Sokhani (see Wulasi)	Ghana		-0.0013;8.6551	
Wulasi (see also: Voulkhé-Sokhani , Wulehe Sokhani, Wulehe-Sochani, Wulenchi , Wulensi , Wulentschi , Wuleschi)	Ghana		-0.0013;8.6551	
Wulehe Sokhani (see Wulasi)	Ghana		-0.0013;8.6551	
Wulehe-Sochani (see Wulasi)	Ghana		-0.0013;8.6551	
Wulenchi (see Wulasi)	Ghana		-0.0013;8.6551	
Wulensi (see Wulasi)	Ghana		-0.0013;8.6551	
Wulentschi (see Wulasi)	Ghana		-0.0013;8.6551	
Wuleschi (see Wulasi)	Ghana		-0.0013;8.6551	

NW 08000Ab:

Akeniem	Ghana		-0.2667;8.1333	

NE 08000Cc:

Bimbila	Ghana	0.0667;8.8500	172 m
(see also: Bimbilla)			
Bimbilla (see Bimbila)	Ghana	0.0667;8.8500	172 m
Bimbilla, 15 mi [=24 km] S	Ghana	0.0667;8.8667	

NE 08000Db:

Fasao (see Fazao)	Togo	0.7833;8.7000	593 m
Fasaou (see Fazao)	Togo	0.7833;8.7000	593 m
Fasau (see Fazao)	Togo	0.7833;8.7000	593 m
Fasuu (see Fazao)	Togo	0.7833;8.7000	593 m
Fazao	Togo	0.7833;8.7000	593 m
(see also: Fasao, Fasaou, Fasau, Fasuu, Fazaou, Fisao)			
Fazaou (see Fazao)	Togo	0.7833;8.7000	593 m
Fisao (see Fazao)	Togo	0.7833;8.7000	593 m

NE 08000Bc:

Nkwanta, 2 mi [=3.2 km] E (see Odomi)	Ghana	0.5167;8.3167	324 m
Odome (see Odomi), 2 mi [=3.2 km] E Nkwanta	Ghana	0.5167;8.3167	324 m
Odomi, 2 mi [=3.2 km] E Nkwanta	Ghana	0.5167;8.3167	324 m
(see also: Nkwanta, 2 mi [=3.2 km] E, Odome, Odomi Jongo)			
Odomi Jongo (see Odomi), 2 mi [=3.2 km] E Nkwanta	Ghana	0.5167;8.3167	324 m
Schiare (see Shiare)	Ghana	0.6000;8.3000	728 m
Shiare	Ghana	0.6000;8.3000	728 m
(see also: Schiare, Siade)			
Siade (see Shiare)	Ghana	0.6000;8.3000	728 m

NE 08000Ba:

Adéle	Togo	0.6833;8.1833	
(see also: Bismarckbourg, Bismarckburg, Station Bismarckburg)			
Bismarckbourg (see Adéle)	Togo	0.6833;8.1833	
Bismarckburg (see Adéle)	Togo	0.6833;8.1833	
Station Bismarckburg (see Adéle)	Togo	0.6833;8.1833	

NE 08000Bb:

Pagala	Togo	0.8833;8.2167	368 m
(see also: Urenji)			
Urenji (see Pagala)	Togo	0.8833;8.2167	368 m

NE 08001Dc:

Kani (see Manigri)	Benin	1.7242;8.9725	309 m
Manigri	Benin	1.7242;8.9725	309 m
(see also: Kani)			

NE 08001Bd:

Koko, near Zou river, near Bante	Benin	1.8367;8.3750	252 m

NE 08002Ab:

Savé	Benin	2.4861;8.0425	252 m

NE 08002Ba:

Dhio (see Diho)	Benin	2.5167;8.0833	152 m
Diho	Benin	2.5167;8.0833	152 m
(see also: Dhio)			

NE 08003Ba:

Upper Ogun Estate Plantation	Nigeria	3.6833;8.1667	
Upper Ogun Ranch (see Upper Ogun Ranch)	Nigeria	3.6833;8.1667	
(see also: Upper Ogun Ranch)			

NE 08004Ca:

Igbeti (see also: Igbetti)	Nigeria		4.1311;8.7492	508 m
Igbetti (see Igbeti)	Nigeria		4.1311;8.7492	508 m

NE 08004Bc:

Afon	Nigeria		4.5333;8.3167	310 m

NE 08004Ba:

Yoruba	Nigeria		4.5000;8.0000	

NE 08005Dd:

Nupeko	Nigeria		5.9972;8.9583	

NE 08005Db:

Pagegi (see Pategi) (see also: Papegi)	Nigeria		5.7500;8.7333	80 m
Papegi (see Pagegi)	Nigeria		5.7500;8.7333	80 m
Pategi (see also: Pagegi)	Nigeria		5.7500;8.7333	80 m

NE 08005Ac:

Alabe	Nigeria		5.1333;8.4833	334 m

NE 08007Da:

Nassarawa (see also: Nassarawa)	Nigeria		7.7242;8.5294	294 m
Nassarawa (see Nassarawa)	Nigeria		7.7242;8.5294	294 m

NE 08008Cd:

Gudi, 3 mi [=4.8 km] E, on Mada river	Nigeria	ca.	8.2667;8.8833	ca. 300 m

NE 08008Ca:

Arusu (see also: Arusua)	Nigeria		8.1500;8.7000	299 m
Arusua (see Arusu), near Pandam	Nigeria		8.1500;8.7000	

NE 08008Db:

Lake Pandam (see Pandam, lake)	Nigeria		8.9694;8.6558	
Pandam Wildlife Park	Nigeria		8.9833;8.7333	
Pandam, lake (see also: Lake Pandam)	Nigeria		8.9694;8.6558	

NE 08009Ac:

Sangs River Forest Reserve	Nigeria		9.1667;8.3333	

NE 08012Bd:

Hippopotamus Campside, Faro river	Cameroon	ca.	12.8000;8.3833	

NE 08012Ba:

Faro Forest and Faunal Reserve (see Faro, Réserve)	Cameroon		12.5833;8.1667	
Faro National Park (see Faro, Réserve)	Cameroon		12.5833;8.1667	
Faro, Réserve (see also: Faro Forest and Faunal Reserve, Faro National Park, Parc National du Faro, Réserve de Chasse et Forestière du Faro, Réserve du Faro)	Cameroon		12.5833;8.1667	
Parc National du Faro (see Faro, Réserve)	Cameroon		12.5833;8.1667	

Réserve de Chasse et Forestière du Faro (see Faro, Réserve)	Cameroon	12.5833;8.1667	
Réserve du Faro (see Faro, Réserve)	Cameroon	12.5833;8.1667	

NE 08013Cb:

Freetown, 6 km from (see Cole Farm)	Sierra Leone	13.2833;8.5000	

NE 08013Db:

Bougouma (see Boukma)	Cameroon	13.9167;8.5333	254 m
Boukma (see also: Bougouma, Boukouma, Buguma)	Cameroon	13.9167;8.5333	254 m
Boukouma (see Boukma)	Cameroon	13.9167;8.5333	254 m
Buguma (see Boukma)	Cameroon	13.9167;8.5333	254 m

NE 08013Ad:

Poli	Cameroon	13.2500;8.4833	780 m

NE 08014Ca:

Rei Bouba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river	Cameroon	14.1833;8.6000	224 m
Rei Buba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river	Cameroon	14.1833;8.6667	224 m
Reï-Bouba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river	Cameroon	14.1833;8.6667	224 m
Rey Bouba, on Mayou Rei, attribute of the Bénoué river (see also: Rei Bouba, Rei Buba, Reï-Bouba)	Cameroon	14.1833;8.6667	224 m

NE 08014Cb:

Mayo Vaimba river	Cameroon	14.4475;8.6750	

NE 08014Da:

Bouba Ndjida National Park (see also: Réserve de Chasse et Forestière de Boubanjidda, Réserve du Bouba Ndjidda)	Cameroon	14.6681;8.6283	
Réserve de Chasse et Forestière de Boubanjidda (see Bouba Ndjida National Park)	Cameroon	14.6681;8.6283	
Réserve du Bouba Ndjidda (see Bouba Ndjida National Park)	Cameroon	14.6681;8.6283	

NE 08014Bc:

Koum (see also: Kum)	Cameroon	14.5167;8.3833	358 m
Kum (see Koum)	Cameroon	14.5167;8.3833	358 m

NE 08016Ca:

Mondou, near	Chad	ca.	16.0833;8.5667	
Mondu, near	Chad	ca.	16.0833;8.5667	
Moundou, near	Chad	ca.	16.0833;8.5667	
Moundu, near	Chad	ca.	16.0833;8.5667	

NE 08016Da:

Bebedja (see Bébédjia)	Chad	16.5667;8.6833	397 m
Bébédjia, near Moundou? (see also: Bebedja, Bebeidja, Bebeidjia, Bebiya)	Chad	16.5667;8.6833	397 m
Bebeidja (see Bébédjia)	Chad	16.5667;8.6833	397 m
Bebeidjia (see Bébédjia)	Chad	16.5667;8.6833	397 m
Bebiya (see Bébédjia)	Chad	16.5667;8.6833	397 m

NE 08020Bc:

Nadélé (see Ndélé)	Central African Republic	20.6473;8.4109	
Ndélé (see also: Nadélé, N'Delé, N'Delle)	Central African Republic	20.6473;8.4109	

N'Delé (see Ndélé)	Central African Republic		20.6473;8.4109	
N'Delle (see Ndélé)	Central African Republic		20.6473;8.4109	

NE 08020Ab:

Bangaran (see Bangoran)	Central African Republic		20.3453;8.0808	418 m
Bangoran (see also: Bangaran)	Central African Republic		20.3454;8.0807	418 m

NE 08021Da:

Gounda River bridge, National Highway, between Ndele and Vakaga	Central African Republic		21.5000;8.6833	445 m

NE 08021Aa:

Manovo	Central African Republic		21.1167;8.1167	654 m

NE 08024Da:

Boro river	South Sudan		24.5000;8.5000	
Boro river, 25 km N	South Sudan	ca.	24.5000;8.5000	

NE 08025Bc:

Raga, 200 mi W Wau or 250 km NW Wau [318 km by road] (see also: Ragaa, Raja, Wau, 200 mi [=322 km] W, Wau, 250 km NW [318 km by road])	South Sudan		25.6833;8.4667	603 m
Ragaa (see Raga)	South Sudan		25.6833;8.4667	603 m
Raja (see Raga)	South Sudan		25.6833;8.4667	603 m
Wau, 200 mi [=322 km] W (see Raga)	South Sudan		25.6833;8.4667	603 m
Wau, 250 km NW [318 km by road] (see Raga)	South Sudan		25.6833;8.4667	603 m

NE 08028Cd:

Amol Tonyi area	South Sudan	ca.	28.4734;8.9741	

NE 08028Bb:

Agok [pools]	South Sudan		28.8167;8.1500	

NE 08030Ad:

Hellet Nuer	South Sudan		30.3167;8.2833	

NE 08033Bd:

Jikao (see Jikawo)	Ethiopia		33.7667;8.3667	388 m
Jikau (see Jikawo)	Ethiopia		33.7667;8.3667	388 m
Jikaw (see Jikawo)	Ethiopia		33.7667;8.3667	388 m
Jikawa (see Jikawo)	Ethiopia		33.7667;8.3667	388 m
Jikawo (see also: Jikao, Jikau, Jikaw, Jikawa, Jokau)	Ethiopia		33.7667;8.3667	388 m
Jokau (see Jikawo)	Ethiopia		33.7667;8.3667	388 m

NE 08034Bc:

Gambeila (see Gambela)	Ethiopia		34.5833;8.2500	514 m
Gambela (see also: Gambeila, Gambela, Gambela Post, Gambella, Wilaya d' Illizi)	Ethiopia		34.5833;8.2500	514 m
Gambela (see Gambela), Ilu Babor	Ethiopia		34.5833;8.2500	514 m
Gambela Post (see Gambela)	Ethiopia		34.5833;8.2500	514 m
Gambella (see Gambela)	Ethiopia		34.5833;8.2500	514 m
Wilaya d' Illizi (see Gambela)	Algeria	ca.	34.5833;8.2500	514 m

NE 08034Ab:

Poko (see also: Pokwo)	Ethiopia		34.4667;8.1500	539 m
Pokwo (see Poko)	Ethiopia		34.4667;8.1500	539 m

NE 08035Bc:

Doki River	Ethiopia		35.6000;8.3333	
Doki river bridge	Ethiopia		35.6000;8.3333	
Mattu (see Metu)	Ethiopia		35.5833;8.3000	1604 m
Mettu (see Metu)	Ethiopia		35.5833;8.3000	1604 m
Metu (see also: Mattu, Mettu)	Ethiopia		35.5833;8.3000	1604 m

NE 08035Bd:

Dogy River Bridge	Ethiopia		35.8839;8.3619	

NE 08035Ab:

Abiy No. 3, 0.5 km S, near Gambela	Ethiopia	ca.	35.3333;8.2000	1364 m

NE 08037Cc:

Bila (see Bilo)	Ethiopia		37.0000;8.9000	1761 m
Billa (see Bilo)	Ethiopia		37.0000;8.9000	1761 m
Billo (see Bilo)	Ethiopia		37.0000;8.9000	1761 m
Bilo (see also: Bila, Billa, Billo, Bilo Boshe)	Ethiopia		37.0000;8.9000	1761 m
Bilo Boshe (see Bilo)	Ethiopia		37.0000;8.9000	1761 m

NE 08037Db:

Chitu (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Ghion (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Gion (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Giyon, 70 mi SW Addis Ababa on Addis Ababa/Jimma road (see also: Chitu, Ghion, Gion, Guyon, Ualiso, Uoliso, Uolisò, Waliso, Walliso, Walso, Weliso, Weliso, Welso, Woliso, Wolisso, Wolliso)	Ethiopia		37.9833;8.5333	2062 m
Guyon (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Ualiso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Uoliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Uolisò (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Waliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Walliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Walso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Weliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Weliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Welso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Woliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Wolisso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m
Wolliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia		37.9833;8.5333	2062 m

NE 08037Ad:

Casano valley (see Kerkeri Shet')	Ethiopia		37.4833;8.2500	
Ghibbey valley (see Kerkeri Shet')	Ethiopia		37.4833;8.2500	
Ghibbiè di Gimma (see Kerkeri Shet')	Ethiopia		37.4833;8.2500	
Ghibie valley (see Kerkeri Shet')	Ethiopia		37.4833;8.2500	
Ghible valley (see Kerkeri Shet')	Ethiopia		37.4833;8.2500	
Gumma valley (see Kerkeri Shet')	Ethiopia		37.4833;8.2500	
Kerkeri Shet' (see also: Casano valley, Ghibbey valley, Ghibbiè di Gimma, Ghibie valley, Ghible valley, Gumma valley)	Ethiopia		37.4833;8.2500	

NE 08038Cc:

Addis Ababa, ca 40 mi [=64 km] W (see Djem-djem Forest)	Ethiopia		38.1500;8.9667	8 000 ft
Djem-djem Forest, ca 40 mi [=64 km] W Addis Ababa (see also: Addis Ababa, ca 40 mi [=64 km] W)	Ethiopia		38.1500;8.9667	8 000 ft

NE 08038Dc:

Menagesha Forest	Ethiopia		38.5636;8.9900	
Sabeta	Ethiopia		38.6667;8.9167	2500 m

NE 08038Bc:

Dangola Washa caves (see also: Kesa, 5 km SW)	Ethiopia	ca.	38.5667;8.3333	
Kesa, 5 km SW (see Dangola Washa caves)	Ethiopia	ca.	38.5667;8.3333	

NE 08039Dd:

Matahara (see Metahara), Awash river	Ethiopia		39.9167;8.9000	1006 m
Matahara, 1 km W (see Metahara, 1 km W)	Ethiopia		39.9167;8.9000	1006 m
Metahara, Awash river (see also: Matahara, Metehara)	Ethiopia		39.9167;8.9000	1006 m
Metahara, 1 km W (see also: Matahara, 1 km W, Metehara, 1 km W)	Ethiopia		39.9167;8.9000	1006 m
Metehara (see Metahara), Awash river	Ethiopia		39.9167;8.9000	1006 m
Metehara, 1 km W (see Metahara, 1 km W)	Ethiopia		39.9167;8.9000	1006 m

NE 08039Ac:

Coca (see K'ok'a)	Ethiopia		39.0333;8.4333	1700 m
Garairobi, lake (see Harairobo, lake)	Ethiopia		39.0833;8.3167	
Harairobo, lake (see also: Garairobi, lake, Lake Garairobi, Lake Harairobo)	Ethiopia		39.0833;8.3167	
Koha Dairy Development (see Koka Dairy Development)	Ethiopia		39.0392;8.4244	1602 m
K'ok'a (see also: Coca, Koka)	Ethiopia		39.0333;8.4333	1700 m
Koka (see K'ok'a)	Ethiopia		39.0333;8.4333	1700 m
Koka Dairy Development, 2 km S Koka (see also: Koha Dairy Development)	Ethiopia		39.0392;8.4244	1602 m
Lake Garairobi (see Harairobo, lake)	Ethiopia		39.0833;8.3167	
Lake Harairobo (see Harairobo, lake)	Ethiopia		39.0833;8.3167	

NE 08039Aa:

Aseita	Ethiopia		39.0000;8.0000	

NE 08040Cc:

Awash (see Awash National Park)	Ethiopia		40.0167;8.8667	
Awash National Park (see also: Awash)	Ethiopia		40.0167;8.8667	
Illala Sala	Ethiopia		40.0167;8.8333	

NE 08040Ab:

Goba	Ethiopia		40.3833;8.0167	1276 m

NE 08043Ab:

Fafan River, Degeh Bur, 30 km W	Ethiopia	43.3833;8.0833	

NE 08046Ab:

Bokonkorio	Ethiopia	46.3167;8.0333	

NE 08049Ac:

Callis (see Kalis)	Somalia	49.0833;8.4333	308 m
Il Marodi (see Kalis)	Somalia	49.0833;8.4333	308 m
Kalis	Somalia	49.0833;8.4333	308 m
(see also: Callis, Il Marodi)			

NW 07012Cc:

Serabu	Sierra Leone	-12.0524;7.7958	41 m
Yengema	Sierra Leone	-12.0153;7.8261	55 m
Yengewa, 0.5 mi [=0.8 km] E	Sierra Leone	-12.0167;7.8167	

NW 07012Db:

Yele Island, off Sherbro island	Sierra Leone	-12.9800;7.5817	
Yile Island, off Sherbro island	Sierra Leone	-12.9800;7.5817	

NW 07012Da:

Bonth (see Bonthe), Sherbro island	Sierra Leone	-12.5050;7.5319	9 m
Bonthe, Sherbro island	Sierra Leone	-12.5050;7.5319	9 m
(see also: Bonth)			

NW 07011Dd:

Mongberi, near Bo	Sierra Leone	-11.9000;7.9667	

NW 07011Cd:

Kambui Hills Forest Reserve	Sierra Leone	-11.2725;7.7714	

NW 07011Cc:

Forestry Training School	Sierra Leone	ca. -11.2184;7.8988	

NW 07011Aa:

Gomutown	Liberia	-11.0000;7.0000	

NW 07010Dd:

Hanjama, 1 mi [=1.6 km] S	Sierra Leone	-10.9333;7.9500	161 m
Hanjama, 1 mi [=1.6 km] W	Sierra Leone	-10.9333;7.9500	

NW 07010Db:

Gola Forest Camp, 4 mi [=6.4 km] S Lalehun	Sierra Leone	-10.9664;7.6130	
(see also: Lalehun, 4 mi [=6.4 km] S)			
Lalehun, 4 mi [=6.4 km] S (see Gola Forest Camp)	Sierra Leone	-10.9664;7.6130	
Mano river	Liberia	-10.9500;7.5000	
(see also: Mono)			
Mono (see Mano river)	Liberia	-10.9500;7.5000	

NW 07010Ac:

Banga (see Gbanka)	Liberia	-10.0636;7.2778	287 m
Bangah (see Gbanka)	Liberia	-10.0636;7.2778	287 m
Gbanga (see Gbanka)	Liberia	-10.0636;7.2778	287 m
Gbangha (see Gbanka)	Liberia	-10.0636;7.2778	287 m
Gbanka	Liberia	-10.0636;7.2778	287 m
(see also: Banga, Bangah, Gbanga, Gbangha)			

NW 07010Ab:

Bopolu	Liberia		-10.4875;7.0667	211 m
(see also: Bopora, Boporo, Bopulu)				
Bopora (see Bopolu)	Liberia		-10.4875;7.0667	211 m
Boporo (see Bopolu)	Liberia		-10.4875;7.0667	211 m
Bopulu (see Bopolu)	Liberia		-10.4875;7.0667	211 m
Gbarnqay	Liberia		-10.4833;7.0667	

NW 07010Aa:

Degeh (see Degei)	Liberia		-10.1633;7.0975	203 m
Degei	Liberia		-10.1633;7.0975	203 m
(see also: Degeh, Degie, Digain, Digei)				
Degie (see Degei)	Liberia		-10.1633;7.0975	203 m
Digain (see Degei)	Liberia		-10.1633;7.0975	203 m
Digei (see Degei)	Liberia		-10.1633;7.0975	203 m

NW 07009Cd:

Zorzor	Liberia		-9.4303;7.7794	516 m

NW 07009Cc:

Zogota (mine)	Guinea	ca.	-9.0233;7.8861	

NW 07009Db:

Kpawalazu (see Kpawolozu)	Liberia		-9.7644;7.6156	453 m
Kpawolozu	Liberia		-9.7644;7.6156	453 m
(see also: Kpawalazu, Kpawuluzu, Movodo, Pawalozo)				
Kpawuluzu (see Kpawolozu)	Liberia		-9.7644;7.6156	453 m
Movodo (see Kpawolozu)	Liberia		-9.7644;7.6156	453 m
Pawalozo (see Kpawolozu)	Liberia		-9.7644;7.6156	453 m

NW 07009Da:

Ballomah (see Budima)	Liberia		-9.6508;7.6992	364 m
Baloma (see Budima)	Liberia		-9.6508;7.6992	364 m
Balomah	Liberia		-9.6508;7.6992	364 m
Budima	Liberia		-9.6508;7.6992	364 m
(see also: Ballomah, Baloma, Mbaloma)				
Mbaloma (see Budima)	Liberia		-9.6508;7.6992	364 m
Zamah (see Zomai)	Liberia		-9.6314;7.6156	303 m
Zomah (see Zomai)	Liberia		-9.6314;7.6156	303 m
Zomai	Liberia		-9.6314;7.6156	303 m
(see also: Zamah, Zomah, Zormai, Zuormai)				
Zormai (see Zomai)	Liberia		-9.6314;7.6156	303 m
Zuormai (see Zomai)	Liberia		-9.6314;7.6156	303 m

NW 07009Ca:

Yomou prefecture	Guinea	ca.	-9.1667;7.5000	

NW 07009Bd:

Beliyela (see Belle Yella)	Liberia		-9.9983;7.3764	261 m
Belle Yela (see Belle Yella)	Liberia		-9.9983;7.3764	261 m
Belle Yella	Liberia		-9.9983;7.3764	261 m
(see also: Beliyela, Belle Yela, Belleyellah, Belliyela, Belliyella)				
Belleyellah (see Belle Yella)	Liberia		-9.9983;7.3764	261 m
Belliyela (see Belle Yella)	Liberia		-9.9983;7.3764	261 m
Belliyella (see Belle Yella)	Liberia		-9.9983;7.3764	261 m

NW 07009Ac:

Gbaolé	Guinea		-9.2428;7.4417	482 m

NW 07009Bb:

Paiata (see Piata)	Liberia		-9.8000;7.2000	221 m
Peahtah (see Piata)	Liberia		-9.8000;7.2000	221 m
Piata	Liberia		-9.8000;7.2000	221 m
(see also: Paiata, Peahtah, Piatah)				
Piatah (see Piata)	Liberia		-9.8000;7.2000	221 m

NW 07009Ba:

Cuttington University College, near Gbarnga	Liberia		-9.5542;7.0400	
Cuttington University College, about 12 km NW (see Kpatwee Falls)	Liberia		-9.6417;7.1075	
Gbarnga, Cuttington University College	Gbarnga		-9.5542;7.0400	
Kpatwee Falls, about 12 km NW Cuttington Univeristy College	Liberia		-9.6417;7.1075	
(see also: Cuttington University College, about 12 km NW)				
Paul Town	Liberia		-9.6667;7.0000	

NW 07009Ab:

Fahpli (see Favee)	Liberia		-9.2844;7.2306	360 m
Fape (see Favee)	Liberia		-9.2844;7.2306	360 m
Fapé (see Favee)	Liberia		-9.2844;7.2306	360 m
Fapi (see Favee)	Liberia		-9.2844;7.2306	360 m
Favee	Liberia		-9.2844;7.2306	360 m
(see also: Fahpli, Fape, Fapé, Fapi)				

NW 07009Aa:

Teaye (see Tiayie)	Liberia		-9.0667;7.0500	303 m
Teayee (see Tiayie)	Liberia		-9.0667;7.0500	303 m
Teayi (see Tiayie)	Liberia		-9.0667;7.0500	303 m
Tiayi (see Tiayie)	Liberia		-9.0667;7.0500	303 m
Tiayie	Liberia		-9.0667;7.0500	303 m
(see also: Teaye, Teayee, Teayi, Tiayi)				

NW 07008Da:

Bentor	Liberia		-8.6603;7.5742	
Lamco (see New Yekepa)	Liberia		-8.5378;7.5794	584 m
Lamco Community (see New Yekepa)	Liberia		-8.5378;7.5794	584 m
Mount Nimba (see Nimba, mount)	Liberia	ca.	-8.5000;7.5000	
New Yekepa	Liberia		-8.5378;7.5794	584 m
(see also: Lamco, Lamco Community, Yekepa)				
Nimba, mount	Liberia	ca.	-8.5000;7.5000	
(see also: Manimba, mount, Mount Nimba, Nanimba , mount)				
North Beeton	Liberia	ca.	-8.6333;7.6500	
Old Mine Road	Liberia	ca.	-8.5411;7.5531	
Yekepa (see New Yekepa)	Liberia		-8.5378;7.5794	584 m
Yekepa, near	Liberia	ca.	-8.5378;7.5794	

NW 07008Cb:

Gbié	Guinea		-8.3194;7.6653	508 m
Gouan	Guinea		-8.3900;7.6900	
Grotte de Zié (see Zié cave)	Guinea	ca.	-8.3667;7.7333	
Keoulenta	Guinea		-8.3100;7.6800	450 m
Manimba, mount (see Nimba, mount)	Liberia		-8.4650;7.5631	
Molard (see Nimba, mount)	Guinea		-8.4167;7.6167	
Mont Nimba (see Nimba, Mount)	Côte d'Ivoire	ca.	-8.4167;7.5833	
Mont Richard-Molard (see Nimba, mount)	Guinea		-8.4167;7.6167	
Mount Nimba	Côte d'Ivoire		-8.4167;7.6000	
Mount Nimba (see Nimba, Mount)	Côte d'Ivoire	ca.	-8.4167;7.5833	
Mount Nimba (see Nimba, mount)	Guinea		-8.4167;7.6167	
Mount Nimba East (see Maadi, 8 mi [=12.8 km] from)	Liberia	ca.	-8.4667;7.5000	
Mount Richard Molard, S (see Richard-Molard, S side mount)	Liberia	ca.	-8.4650;7.5631	
Mount Richard-Molard (see Nimba, mount)	Guinea		-8.4167;7.6167	
Nanimba , mount (see Nimba, mount)	Liberia		-8.4650;7.5631	
Nimba East	Liberia	ca.	-8.4667;7.5000	

Nimba, Mount (see also: Mont Nimba, Mount Nimba)	Côte d'Ivoire	ca.	-8.4167;7.5833	
Nimba, mount (see also: Molard, Mont Richard-Molard, Mount Nimba, Mount Richard-Molard, Richard, mont, Richard-Molard, mount)	Guinea		-8.4167;7.6167	
Nioumouya Forest (see also: Nioumouya River)	Guinea		-8.3800;7.6600	
Nioumouya River (see Nioumouya Forest)	Guinea		-8.3800;7.6600	
Richard, mont (see Nimba, mount)	Guinea		-8.4167;7.6167	
Richard-Molard, mount (see Nimba, mount)	Guinea		-8.4167;7.6167	
Richard-Molard, S side mount (see also: Mount Richard Molard, S)	Liberia	ca.	-8.4650;7.5631	
Zié cave (see also: Grotte de Zié)	Guinea	ca.	-8.3667;7.7333	
Ziéla	Guinea		-8.3592;7.7128	529 m
Zouguépo	Guinea		-8.4072;7.7056	526 m

NW 07008Bd:

Sanniquellie, 5 mi [=8 km] S	Liberia	ca.	-8.7500;7.4000	

NW 07008Bc:

East Grassfield	Liberia	ca.	-8.5708;7.4889	
Ganta	Liberia	ca.	-8.5308;7.3022	
Gbapa (see Gbarpa)	Liberia		-8.6136;7.4842	475 m
Gbarpa (see also: Gbapa)	Liberia		-8.6136;7.4842	475 m
Grassfield (see also: Grassfield forest, Grassfield savanna, Grassfields, Lamco Headquarters Camp, Nimba)	Liberia		-8.5708;7.4889	530 m
Grassfield forest (see Grassfield)	Liberia		-8.5708;7.4889	530 m
Grassfield savanna (see Grassfield)	Liberia		-8.5708;7.4889	530 m
Grassfields (see Grassfield)	Liberia		-8.5708;7.4889	530 m
Lamco Headquarters Camp (see Grassfield)	Liberia		-8.5708;7.4889	530 m
Mount Nimba West (see Nimba West)	Liberia	ca.	-8.5500;7.4833	
New Camp Forest	Liberia		-8.5758;7.4811	483 m
Nimba (see Grassfield)	Liberia		-8.5708;7.4889	530 m
Nimba West (see also: Mount Nimba West)	Liberia	ca.	-8.5500;7.4833	
Sanaquelli (see Sanniquellie)	Liberia		-8.7061;7.3622	671 m
Sangbui (see Sanniquellie)	Liberia		-8.7061;7.3622	671 m
Saniquellie (see Sanniquellie)	Liberia		-8.7061;7.3622	671 m
Sanniguellie (see Sanniquellie)	Liberia		-8.7061;7.3622	671 m
Sanniquellie (see also: Sanaquelli, Sangbui, Saniquellie, Sanniguellie, Sanokole, Sanokwele, Sanokwelle, Sanoquelli, Sanquilly, Senbui)	Liberia		-8.7061;7.3622	671 m
Sanokole (see Sanniquellie)	Liberia		-8.7061;7.3622	671 m
Sanokwele (see Sanniquellie)	Liberia		-8.7061;7.3622	671 m
Sanokwelle (see Sanniquellie)	Liberia		-8.7061;7.3622	671 m
Sanoquelli (see Sanniquellie)	Liberia		-8.7061;7.3622	671 m
Sanquilly (see Sanniquellie)	Liberia		-8.7061;7.3622	671 m
Senbui (see Sanniquellie)	Liberia		-8.7061;7.3622	671 m
South Nimba	Liberia	ca.	-8.5667;7.4333	
Tokade, mount (see also: Tokadeh, mount, Tokaden, mount)	Liberia		-8.6714;7.4503	
Tokadeh, mount (see Tokade, mount)	Liberia		-8.6714;7.4503	
Tokaden, mount (see Tokade, mount)	Liberia		-8.6714;7.4503	
Yiti river	Liberia		-8.5833;7.4833	

NW 07008Ad:

Gopoupleu	Côte d'Ivoire		-8.2853;7.4348	358 m

NW 07008Ac:

Flampleu	Côte d'Ivoire		-8.0453;7.2758	373 m
Matongouiné (see Matonguiné)	Côte d'Ivoire		-8.0381;7.2889	356 m
Matonguiné (see also: Matongouiné)	Côte d'Ivoire		-8.0381;7.2889	356 m

NW 07008Bb:

Camp III	Liberia	-8.8389;7.1097	

NW 07007Da:

Déoulé	Côte d'Ivoire	-7.5053;7.5064	640 m

NW 07007Aa:

Sassandra River	Côte d'Ivoire	-7.0500;7.0000	

NW 07006Cc:

Tulé	Côte d'Ivoire	-6.1308;7.9347	393 m
(see also: Tule)			
Tule (see Tulé)	Côte d'Ivoire	-6.1333;7.9333	

NW 07005Cc:

Bouaké, 25 km N	Côte d'Ivoire	-5.0000;7.9167	
Foro Foro	Côte d'Ivoire	-5.0650;7.9883	275 m

NW 07005Ca:

Bouaké	Côte d'Ivoire	-5.0331;7.6833	312 m
(see also: Bwake)			
Bwake (see Bouaké)	Côte d'Ivoire	-5.0331;7.6833	312 m

NW 07004Dc:

Fétékro	Côte d'Ivoire	-4.6894;7.8097	157 m
(see also: Fetekro, Féttékro)			
Fetekro (see Fétékro)	Côte d'Ivoire	-4.6833;7.8167	
Féttékro (see Fétékro)	Côte d'Ivoire	-4.6894;7.8097	157 m

NW 07003Ad:

Yabrasso	Côte d'Ivoire	-3.4833;7.4333	151 m

NW 07002Ca:

Asubengya (see Subinja), 2 mi E Wenchi	Ghana	-2.0667;7.7333	290 m
Subinagya (see Subinja), 2 mi E Wenchi	Ghana	-2.0667;7.7333	290 m
Subinja, 2 mi [=3 km] E Wenchi	Ghana	-2.0667;7.7333	290 m
(see also: Asubengya, Subinagya)			
Wenchi	Ghana	-2.1000;7.7333	303 m

NW 07002Bd:

Ahinkrom (see Dormaa Ahenkro)	Ghana	-2.8833;7.2833	269 m
Dormaa Ahenkro	Ghana	-2.8833;7.2833	269 m
(see also: Ahinkrom, Pamu)			
Pamu (see Dormaa Ahenkro)	Ghana	-2.8833;7.2833	269 m

NW 07002Aa:

Bechem	Ghana	-2.0333;7.0833	293 m

NW 07001Ca:

Yabiraso (see Yabraso)	Ghana	-1.1833;7.5667	152 m
Yabraso	Ghana	-1.1833;7.5667	152 m
(see also: Yabiraso, Yabraso Number 1)			
Yabraso Number 1 (see Yabraso)	Ghana	-1.1833;7.5667	152 m

NW 07001Ab:

Ash Mampong, Ksi-Tamale Road, 30 mi	Ghana	-1.3167;7.1000	
Mampon (see Mampong), Lakeside	Ghana	-1.4000;7.0667	385 m
Mampon Asante (see Mampong), Lakeside	Ghana	-1.4000;7.0667	385 m

Mampong, Lakeside (see also: Mampon, Mampon Asante, Mapon, MomPort)	Ghana	-1.4000;7.0667	385 m
Mapon (see Mampong), Asheki	Ghana	-1.4000;7.0667	385 m
Masabia Hshubi	Ghana	-1.4000;7.0667	385 m
MomPort (see Mampong), Lakeside	Ghana	-1.4000;7.0667	385 m

NW 07000Dd:

Pran (see Prang)	Ghana	-0.8833;7.9833	111 m
Prang (see also: Pran)	Ghana	-0.8833;7.9833	111 m

NW 07000Cc:

Kete (see Kete Krachi)	Ghana	-0.0167;7.8000	83 m
Kete Krachi (see also: Kete, Kete Krakye, Kete Kratchi, Kete-Kratschi, Kete-Ktachi, Krachi, Krete Kratschi)	Ghana	-0.0167;7.8000	83 m
Kete Krakye (see Kete Krachi)	Ghana	-0.0167;7.8000	83 m
Kete Kratchi (see Kete Krachi)	Ghana	-0.0167;7.8000	83 m
Kete-Kratschi (see Kete Krachi)	Ghana	-0.0167;7.8000	83 m
Kete-Ktachi (see Kete Krachi)	Ghana	-0.0167;7.8000	83 m
Krachi (see Kete Krachi)	Ghana	-0.0167;7.8000	83 m
Krete Kratschi (see Kete Krachi)	Ghana	-0.0167;7.8000	83 m

NW 07000Db:

Kokofu (see also: Kokofu Dente)	Ghana	-0.8833;7.7167	151 m
Kokofu Dente (see Kokofu)	Ghana	-0.8833;7.7167	151 m

NE 07000Cc:

Banjeri (see Oti (River))	Togo	0.1333;7.8000	
Ilé (see Oti (River))	Togo	0.1333;7.8000	
Le Oti (see Oti (River))	Togo	0.1333;7.8000	
Lemuale (see Oti (River))	Togo	0.1333;7.8000	
L'Oti (see Oti (River))	Togo	0.1333;7.8000	
Maol (see Oti (River))	Togo	0.1333;7.8000	
Maole (see Oti (River))	Togo	0.1333;7.8000	
Moal (see Oti (River))	Togo	0.1333;7.8000	
Moale (see Oti (River))	Togo	0.1333;7.8000	
Morle (see Oti (River))	Togo	0.1333;7.8000	
Oti (River) (see also: Banjeri, Ilé, Le Oti, Lemuale, L'Oti, Maol, Maole, Moal, Moale, Morle)	Togo	0.1333;7.8000	

NE 07000Cb:

Adanka village, near, 4.5 km N Apesokubi (see also: Apesokubi, 4.5 km N, Apesokubi, 4.5 km N)	Ghana	0.3833;7.6333	
Apesokubi	Ghana	0.4000;7.5833	200 m
Apesokubi, 4.5 km N (see Adanka village, near)	Ghana	0.3833;7.6333	
Kadjebi (see Kadjiebi)	Ghana	0.4667;7.5333	281 m
Kadjiebi (see also: Kadjebi, Kagyebi, Kajiebi)	Ghana	0.4667;7.5333	281 m
Kagyebi (see Kadjiebi)	Ghana	0.4667;7.5333	281 m
Kajiebi (see Kadjiebi)	Ghana	0.4667;7.5333	281 m
Wora Wora (see Worawora)	Ghana	0.3667;7.5167	217 m
Worawora (see also: Wora Wora)	Ghana	0.3667;7.5167	217 m

NE 07000Da:

Ahoué-houé (see Badou - Anonoe)	Togo	0.6000;7.5833	
Badou - Anonoe (see also: Ahoué-houé)	Togo	0.6000;7.5833	
Tomegbé	Togo	0.6000;7.5167	319 m

NE 07000Db:

Agame-Koutoukapa (see Agomé Koutoukpa)	Togo	0.9833;7.5167	458 m

Agomé Koutoukpa (see also: Agame-Koutoukapa, Agomé-Kotukpa, Koutoukpa)	Togo		0.9833;7.5167	458 m
Agomé-Kotukpa (see Agomé Koutoukpa)	Togo		0.9833;7.5167	458 m
Akposso	Togo		0.9833;7.5667	
Dadome (see Dédomé)	Togo		0.9833;7.5000	265 m
Dédomé (see also: Dadome)	Togo		0.9833;7.5000	265 m
Koutoukpa (see Agomé Koutoukpa)	Togo		0.9833;7.5167	458 m

NE 07000Bd:

Agadji	Togo		0.9000;7.4500	348 m
Edifou	Togo		0.9667;7.4833	231 m
Esimé (see Ezimé)	Togo		0.9333;7.4833	344 m
Ezimé (see also: Esimé, Isídje)	Togo		0.9333;7.4833	344 m
Ihounabe	Togo		0.9167;7.3500	
Isídje (see Ezimé)	Togo		0.9333;7.4833	344 m

NE 07000Ab:

Gabi (see Kpandu)	Ghana		0.3000;7.0000	151 m
Kpando	Ghana		0.3000;7.0000	151 m
Kpandu (see also: Gabi, Kpaudu, Tsakpe)	Ghana		0.3000;7.0000	151 m
Kpaudu (see Kpandu)	Ghana		0.3000;7.0000	151 m
Tsakpe (see Kpandu)	Ghana		0.3000;7.0000	151 m

NE 07000Ba:

Afegame, Agumatsa River (see also: Apegame)	Ghana		0.5833;7.1333	415 m
Afegame, 3 mi [=4.8 km] E	Ghana	ca.	0.5833;7.1333	
Agumatsa Wildlife Sanctuary, Agumatsa river, near Afegame	Ghana	ca.	0.6000;7.1167	
Apegame (see Afegame), Agumatsa River	Ghana		0.5833;7.1333	415 m
Apéyémé	Togo		0.7000;7.2000	768 m
Dzogbégan	Togo		0.6833;7.2333	698 m
Wli Afegame, Agumatsa River	Ghana		0.5833;7.1333	415 m
Wli Waterfall, Agumatsa River, near Afegame	Ghana	ca.	0.5833;7.1333	

NE 07000Bb:

Agomé-Palimé (see Kpalimé)	Togo		0.7500;7.0833	
Circonscription de Klouto (see Préfecture de Kloto)	Togo		0.7500;7.0833	
Kloto prefecture (see Préfecture de Kloto)	Togo		0.7500;7.0833	
Klouto, circonscription de (see Préfecture de Kloto)	Togo		0.7500;7.0833	
Kpalimé (see also: Agomé-Palimé, Palimé)	Togo		0.7500;7.0833	
Palimé (see Kpalimé)	Togo		0.7500;7.0833	
Préfecture de Kloto (see also: Circonscription de Klouto, Kloto prefecture, Klouto, circonscription de)	Togo		0.7500;7.0833	

NE 07001Cd:

Kolokopé (see also: Korrekope)	Togo		1.3000;7.8000	147 m
Korrekope (see Kolokopé)	Togo		1.3000;7.8000	147 m

NE 07001Ca:

Adina (see Adiva), 15 km W Atakpamé	Togo		1.0167;7.5167	252 m
Adiva, 15 km W of Atakpamé (see also: Adina, Atakpamé, 15 km W)	Togo		1.0167;7.5167	252 m
Adjido	Togo		1.1833;7.5000	186 m
Atakpamé	Togo		1.1333;7.5333	376 m
Atakpamé, 15 km W (see Adiva)	Togo		1.0167;7.5167	252 m
Azafi	Togo		1.0333;7.5667	253 m
Ebéva (see also: Ebewa)	Togo		1.0833;7.5167	212 m
Ebewa (see Ebéva)	Togo		1.0833;7.5167	212 m
Evou - Akodegbe	Togo		1.0333;7.5500	

Evou (see Vou)	Togo		1.0333;7.5333	224 m
Ewou (see Vou)	Togo		1.0333;7.5333	224 m
Kamina	Togo		1.1667;7.5167	206 m
Kodegbe	Togo		1.0500;7.5167	
Lomnava	Togo		1.1333;7.5167	379 m
Odjolo	Togo		1.0333;7.5333	
Témédja	Togo		1.0500;7.5167	226 m
Vou (see also: Evou, Ewou)	Togo		1.0333;7.5333	224 m

NE 07001Cb:

Mono-Atchinedji	Togo		1.3500;7.5667	
Tchonou	Togo		1.2500;7.5000	152 m

NE 07001Ac:

Evou or Atakpamé	Togo	ca.	1.0000;7.3000	

NE 07001Ab:

Circonscription de Notsé (see Préfécture de Haho)	Togo		1.2500;7.0833	
Circonscription de Nuatja (see Préfécture de Haho)	Togo		1.2500;7.0833	
Haho prefecture (see Préfécture de Haho)	Togo		1.2500;7.0833	
Notsé, circonscription de (see Préfécture de Haho)	Togo		1.2500;7.0833	
Nouatja (see Préfécture de Haho)	Togo		1.2500;7.0833	
Nuatja subdivision (see Préfécture de Haho)	Togo		1.2500;7.0833	
Nuatja, circonscription de (see Préfécture de Haho)	Togo		1.2500;7.0833	
Nuatjo (see Préfécture de Haho)	Togo		1.2500;7.0833	
Préfécture de Haho (see also: Circonscription de Notsé, Circonscription de Nuatja, Haho prefecture, Notsé, circonscription de, Nouatja, Nuatja subdivision, Nuatja, circonscription de, Nuatjo, Subdivision de Nuatja)	Togo		1.2500;7.0833	
Subdivision de Nuatja (see Préfécture de Haho)	Togo		1.2500;7.0833	

NE 07001Ba:

Tététou (see also: Tetetou)	Togo		1.5000;7.0167	105 m
Tetetou (see Tététou)	Togo		1.5000;7.0167	105 m

NE 07002Cc:

Zizonkamé	Benin		2.0167;7.9167	

NE 07002Cd:

Agouagon (see also: Agouagou, Agwagon, Ajargon, Ajougon)	Benin		2.3000;7.9833	155 m
Agouagou (see Agouagon)	Benin		2.3000;7.9833	155 m
Agwagon (see Agouagon)	Benin		2.3000;7.9833	155 m
Ajargon (see Agouagon)	Benin		2.3000;7.9833	155 m
Ajougon (see Agouagon)	Benin		2.3000;7.9833	155 m
Awaya, 10 km E Dassa	Benin	ca.	2.2500;7.7500	

NE 07002Bc:

Kétou (see also: Ketu)	Benin		2.6000;7.3667	112 m
Ketu (see Kétou)	Benin		2.6000;7.3667	112 m

NE 07003Ad:

Calabar (see Igbo-Ora)	Nigeria		3.2833;7.4333	380 m
Idere	Nigeria		3.2500;7.4833	151 m
Igbo-Awra (see Igbo-Ora)	Nigeria		3.2833;7.4333	148 m
Igbo-Ora (see also: Calabar, Igbo-Awra)	Nigeria		3.2833;7.4333	

NE 07003Bc:

Olokemeji Forest Reserve	Nigeria		3.5333;7.4167	

NE 07003Bd:

Ibadan	Nigeria		3.8964;7.3878	237 m
Ibadan University College, Ibadan University College (see also: Lagos, University, University of Lagos)	Nigeria		3.8964;7.3878	237 m
Lagos, University (see Ibadan University College)	Nigeria		3.8964;7.3878	237 m
Oyo, 7 mi [=11 km] W	Nigeria	ca.	3.7581;7.3375	
University of Lagos (see Ibadan University College)	Nigeria		3.8964;7.3878	237 m

NE 07003Ab:

Abeokuta	Nigeria		3.3500;7.1500	66 m

NE 07003Bb:

Gambari Forest Reserve	Nigeria		3.8333;7.1333	

NE 07004Ca:

West province	Nigeria		4.0000;7.5000	

NE 07004Da:

Ife Botanical Gardens, ca 4 mi [=6.4 km] SW Ife (see also: Ife, ca 4 mi [=6.4 km] SW)	Nigeria	ca.	4.5281;7.5183	
Ife University, Campus and Conference Center	Nigeria		4.5281;7.5183	
Ife University Conference Center, ca 5 mi [=8 km] SW	Nigeria	ca.	4.5311;7.5242	
Ife, ca 4 mi [=6.4 km] SW (see Ife Botanical Gardens)	Nigeria	ca.	4.5281;7.5183	
Ilesa (see also: Ilesha)	Nigeria		4.7417;7.6278	508 m
Ilesha (see Ilesa)	Nigeria		4.7417;7.6278	508 m

NE 07004Bc:

Ife	Nigeria		4.5519;7.4903	

NE 07004Ab:

Shasha Forest Reserve	Nigeria		4.4344;7.0655	

NE 07005Dc:

Ikole (see also: Ipole)	Nigeria		5.5106;7.7897	460 m
Ipole (see Ikole)	Nigeria		5.5106;7.7897	460 m

NE 07006Dc:

Felele (see Filele), 3.6 mi NW Lokoja	Nigeria		6.7242;7.8517	
Felelen Buzi (see Filele), 3.6 mi NW Lokoja	Nigeria		6.7242;7.8517	
Filele, 3.6 mi NW Lokoja (see also: Felele, Felelen Buzi, Lokoja, 3.6 mi [=5.8 km] NW)	Nigeria		6.7242;7.8517	
Lokoja, 3.6 mi [=5.8 km] NW (see Filele)	Nigeria		6.7242;7.8517	

NE 07006Da:

Ago Shasha, 6 mi [=9.7 km] N (see Iloshi, 4 mi [=6.4 km] S)	Nigeria	ca.	6.5000;7.5000	ca. 250 m
Ilashe, 4 mi [=6.4 km] S (see Iloshi, 4 mi [=6.4 km] S), 6 mi N Ago Shasha	Nigeria	ca.	6.5000;7.5000	ca. 250 m
Iloshi, 4 mi [=6.4 km] S, 6 mi N Ago Shasha (see also: Ago Shasha, 6 mi [=9.7 km] N, Ilashe, 4 mi [=6.4 km] S)	Nigeria	ca.	6.5000;7.5000	ca. 250 m

NE 07007Ca:

Ayangba	Nigeria		7.1744;7.5036	234 m

NE 07007Cb:

Igala Native Area Number 1 (see Okura Iyale Forest Reserve)	Nigeria		7.2931;7.5693	
Itama (see Okura Iyale Forest Reserve)	Nigeria		7.2931;7.5693	
Okura Forest Reserve (see Okura Iyale Forest Reserve)	Nigeria		7.2931;7.5693	
Okura Iyale Forest Reserve (see also: Igala Native Area Number 1, Itama, Okura Forest Reserve)	Nigeria		7.2931;7.5693	

NE 07008Da:

Makurdi (see also: Makurdu)	Nigeria		8.5121;7.7411	103 m
Makurdu (see Makurdi)	Nigeria		8.5121;7.7411	103 m

NE 07009Ac:

Gboko, 7 mi [=11 km] SE (see Mkar)	Nigeria		9.0333;7.3333	434 m
Mkar, 7 mi [=11 km] SE Gboko (see also: Gboko, 7 mi [=11 km] SE)	Nigeria		9.0333;7.3333	434 m

NE 07011Aa:

Yelwa	Nigeria		11.0833;7.0667	1500 m

NE 07011Ba:

Chappal Waddi (see Ouadé, Tchabal)	Nigeria		11.7167;7.0333	1900 m
Gangirwal (see also: Ouadé, Djabal, Waddi Chappal)	Nigeria	ca.	11.7000;7.1167	2300 m
Gotel Mountains	Nigeria		11.6667;7.0000	
Ouadé, Djabal (see Gangirwal)	Nigeria		11.7167;7.0333	1900 m
Ouadé, Tchabal (see also: Chappal Waddi)	Nigeria		11.7167;7.0333	1900 m
Waddi Chappal (see Gangirwal)	Nigeria		11.7167;7.0333	1900 m

NE 07012Ab:

Galim	Cameroon		12.4833;7.1000	1120 m

NE 07012Bb:

Njia, SW, Gore and Nana Barya Rivers	Cameroon	ca.	12.8333;7.1167	

NE 07013Dc:

Gaoyanga (see Ngaouyanga)	Cameroon		13.6000;7.9000	610 m
Goyanga (see Ngaouyanga)	Cameroon		13.6000;7.9000	610 m
Ngaaouyanga (see Ngaouyanga)	Cameroon		13.6000;7.9000	610 m
Ngaouyanga (see also: Gaoyanga, Goyanga, Ngaaouyanga)	Cameroon		13.6000;7.9000	610 m

NE 07013Bc:

Bini, Lac (see Bini, Lake)	Cameroon		13.5500;7.4333	
Bini, Lake (see also: Bini, Lac, Lac Bini, Lake Bini)	Cameroon		13.5500;7.4333	
Lac Bini (see Bini, Lake)	Cameroon		13.5500;7.4333	
Lake Bini (see Bini, Lake)	Cameroon		13.5500;7.4333	
Ngaoundéré (see also: Ngaundéré)	Cameroon		13.5833;7.3167	1212 m
Ngaoundéré, 14 km N	Cameroon	ca.	13.5833;7.3333	
Ngaoundéré, 14 km S	Cameroon		13.5833;7.3167	
Ngaundéré (see Ngaoundéré)	Cameroon		13.5833;7.3167	1212 m

NE 07013Ba:

Ngaoundéré, 13 km S	Cameroon		13.6000;7.2000	
Wakwa	Cameroon		13.5833;7.2333	1143 m

NE 07014Aa:

Tello	Cameroon		14.1833;7.1667	1426 m

NE 07015Dd:

Zami, intermittent stream (see also: Zamia)	Chad	ca.	15.8167;7.7500	
Zamia (see Zami, intermittent stream)	Chad	ca.	15.8167;7.7500	

NE 07015Db:

Baibokoum, 25 km SE (see Dagbao)	Chad		15.8854;7.6508	692 m
Dagbao, 25 km SE Baibokoum (see also: Baibokoum, 25 km SE)	Chad		15.8854;7.6508	692 m

NE 07016Dc:

Goré	Chad		16.6333;7.9167	438 m

NE 07017Bb:

Yabanda-Mpoko	Central African Republic		17.8333;7.0000	

NE 07018Aa:

Ouham, near	Central African Republic	ca.	18.0000;7.0000	

NE 07019Da:

Badingua, 25 km N Makorou (see also: Makorou, 25 km N)	Central African Republic		19.5833;7.5000	
Makorou, 25 km N (see Badingua)	Central African Republic		19.5833;7.5000	

NE 07020Cd:

Bamingui-Bangoran National Park	Central African Republic		20.2500;7.9167	469 m

NE 07020Ca:

Bamingui	Central African Republic		20.1833;7.5667	456 m

NE 07020Ac:

Kaga-Nzé (see also: Kaja Nze)	Central African Republic		20.1833;7.3500	489 m
Kaja Nze (see Kaga-Nzé)	Central African Republic		20.1833;7.3500	489 m

NE 07021Ac:

Koumbala Camp	Central African Republic		21.2167;7.4833	600 m
Koumbala Camp, 11.5 km NW	Central African Republic		21.2167;7.4833	600 m

NE 07026Ca:

Daym Zubayr, 100 mi [=160 km] W Wau (see also: Deim Zubeir, Dem Az Ziber, Dem Zubeir, Wau, 100 mi [=160 km] W)	South Sudan		26.2167;7.7167	609 m
Deim Zubeir (see Daym Zubayr), 100 mi [=160 km] W Wau	South Sudan		26.2167;7.7167	609 m
Dem Az Ziber (see Daym Zubayr), 100 mi [=160 km] W Wau	South Sudan		26.2167;7.7167	609 m
Dem Zubeir (see Daym Zubayr), 100 mi [=160 km] W Wau	South Sudan		26.2167;7.7167	609 m

Wau, 100 mi [=160 km] W (see Daym Zubayr)	South Sudan		26.2167;7.7167	609 m

NE 07027Db:

Agok mango grove, 5 mi SW Wau; along Busseri River (see also: Wau, 5 mi [=8 km] SW)	South Sudan		27.9333;7.6333	
Wau, 5 mi [=8 km] SW (see Agok mango grove)	South Sudan		27.9333;7.6333	

NE 07027Bb:

Mbili	Sudan		27.9833;7.0167	

NE 07028Ca:

Ngosulugu, 2 mi [=3.2 km] S Wau	South Sudan		28.0000;7.6707	
Sue River	South Sudan		28.0621;7.6799	
Wau	South Sudan		28.0000;7.7000	429 m
Wau, 2 mi [=3.2 km] S (see Yirol, 30 mi [=48 km] SE)	South Sudan		28.0000;7.6707	
Wau, 3 mi S	South Sudan		28.0000;7.6561	
Wau-Agok	South Sudan	ca.	28.0000;7.7000	
Waw	South Sudan		28.0000;7.7000	429 m

NE 07028Ac:

Ngohalima, 15 mi S Wau; on Busseri river (see also: Wau, 15 mi [=24 km] S)	South Sudan		28.0000;7.4667	
Wau, 15 mi [=24 km] S (see Ngohalima)	South Sudan		28.0000;7.4667	

NE 07028Bc:

At Tonj (see Tonj)	South Sudan		28.6839;7.2733	427 m
Ibba (see Tonj)	South Sudan		28.6839;7.2733	427 m
Seriba Ghatta	South Sudan		28.6000;7.4000	
Ton'gh (see Tonj)	South Sudan		28.6839;7.2733	427 m
Tonj (see also: At Tonj, Ibba, Ton'gh)	South Sudan		28.6839;7.2733	427 m

NE 07028Ba:

Bongo	South Sudan		28.7000;7.2333	414 m

NE 07030Bb:

Shambe (see also: Shambi)	South Sudan		30.7736;7.1047	396 m
Shambi (see Shambe)	South Sudan		30.7736;7.1047	396 m

NE 07031Ab:

Bor, 60 mi [=96.5 km] N (see Kongor)	South Sudan		31.3333;7.1667	
Kongor, 60 mi N Bor (see also: Bor, 60 mi [=96.5 km] N)	South Sudan		31.3333;7.1667	

NE 07034Ca:

Abol (see Oboul), on Ghilo river	Ethiopia		34.1000;7.7000	313 m
Oboul, on Ghilo river (see also: Abol)	Ethiopia		34.1000;7.7000	313 m

NE 07035Cb:

Masha	Ethiopia		35.4833;7.7333	2222 m

NE 07035Ac:

Godare forest, Yamboshi river	Ethiopia		35.2167;7.3500	

NE 07035Ad:

Bishan Waka lake, E side shore (see also: Bureyi lake, E side shore)	Ethiopia		35.2733;7.3003	
Bureyi lake, E side shore (see Bishan Waka lake, E side shore)	Ethiopia		35.2733;7.3003	

NE 07035Ba:

Sheko area	Ethiopia	ca.	35.6500;7.1000	ca. 1750 m

NE 07036Dc:

Agaro, road to Jimma (see also: Aggarò)	Ethiopia		36.6500;7.8500	1613 m
Agaro, 10 km from (see Jimma, road to)	Ethiopia	ca.	36.6500;7.8500	
Aggarò (see Agaro), road to Jimma	Ethiopia		36.6500;7.8500	1613 m
Djiren (see Jiren), near Jima	Ethiopia		36.6833;7.8167	1678 m
Giren (see Jiren), near Jima	Ethiopia		36.6833;7.8167	1678 m
Jimma, road to, 10 km from Agaro (see also: Agaro, 10 km from)	Ethiopia	ca.	36.6500;7.8500	
Jiran (see Jiren), near Jima	Ethiopia		36.6833;7.8167	1678 m
Jiren, near Jima (see also: Djiren, Giren, Jiran)	Ethiopia		36.6833;7.8167	1678 m

NE 07036Cb:

Afallo	Ethiopia		36.3333;7.6833	2101 m

NE 07036Da:

Beletta forest (see Belletta forest), 38 km SW Jimma	Ethiopia		36.5167;7.5333	2050 m
Belletta forest, 38 km SW Jimma (see also: Beletta forest, Bellista forest, Jimma, 38 km SW)	Ethiopia		36.5167;7.5333	2050 m
Bellista forest (see Belletta forest), 38 km SW Jimma	Ethiopia		36.5167;7.5333	2050 m
Jimma, 38 km SW (see Belletta forest)	Ethiopia		36.5167;7.5333	2050 m

NE 07036Db:

Djimma (see Jima)	Ethiopia		36.8333;7.6667	1753 m
Djimma, 5 km E (see Jima, 5 km E)	Ethiopia		36.8333;7.6667	1753 m
Gima (see Jima)	Ethiopia		36.8333;7.6667	1753 m
Gima, 5 km E (see Jima, 5 km E)	Ethiopia		36.8333;7.6667	1753 m
Gimma (see Jima)	Ethiopia		36.8333;7.6667	1753 m
Gimma, 5 km E (see Jima, 5 km E)	Ethiopia		36.8333;7.6667	1753 m
Jima (see also: Djimma, Gima, Gimma, Jimma)	Ethiopia		36.8333;7.6667	1753 m
Jima, 5 km E (see also: Djimma, 5 km E, Gima, 5 km E, Gimma, 5 km E, Jimma, 5 km E)	Ethiopia		36.8333;7.6667	1753 m
Jimma (see Jima)	Ethiopia		36.8333;7.6667	1753 m
Jimma, 5 km E (see Jima, 5 km E)	Ethiopia		36.8333;7.6667	1753 m

NE 07036Ac:

Bonga, 15 km E	Ethiopia	ca.	36.2333;7.2833	ca. 1660 m

NE 07036Ba:

Koma forest, 5 km N, 20 km W	Ethiopia	ca.	36.5000;7.2000	1900 m

NE 07037Ad:

Godefò valley, middle (see Gojeb Wenz, middle)	Ethiopia		37.3500;7.3333	
Godjeb Fiume, middle (see Gojeb Wenz, middle)	Ethiopia		37.3500;7.3333	
Godjeb valley, middle (see Gojeb Wenz, middle)	Ethiopia		37.3500;7.3333	
Gogeb valley, middle (see Gojeb Wenz, middle)	Ethiopia		37.3500;7.3333	
Gojab valley, middle (see Gojeb Wenz, middle)	Ethiopia		37.3500;7.3333	
Gojeb valley, middle (see Gojeb Wenz, middle)	Ethiopia		37.3500;7.3333	
Gojeb Wenz, middle (see also: Godefò valley, middle, Godjeb Fiume, middle, Godjeb valley, middle, Gogeb valley, middle, Gojab valley, middle, Gojeb valley, middle, Gwojäb valley, middle)	Ethiopia		37.3500;7.3333	
Gwojäb valley, middle (see Gojeb Wenz, middle)	Ethiopia		37.3500;7.3333	

NE 07037Ba:

Bottego Highlands	Ethiopia	ca.	37.7000;7.1500	1618 m

NE 07038Da:

Abiata, lake (see Abiyata Hayk')	Ethiopia	ca.	38.6000;7.6167	
Abiata, lake, E coast	Ethiopia		38.6500;7.5667	
Abijata, lake (see Abiyata Hayk')	Ethiopia	ca.	38.6000;7.6167	
Abiyata Hayk'	Ethiopia	ca.	38.6000;7.6167	
(see also: Abiata, lake, Abijata, lake, Hora Abaita, Hora Abgiata , Hora Abgiate , Hora Abyata, Lago Abeita , Lake Abiata, Lake Abijata, Lake Abiyata)				
Hora Abaita (see Abiyata Hayk')	Ethiopia	ca.	38.6000;7.6167	
Hora Abgiata (see Abiyata Hayk')	Ethiopia	ca.	38.6000;7.6167	
Hora Abgiate (see Abiyata Hayk')	Ethiopia	ca.	38.6000;7.6167	
Hora Abyata (see Abiyata Hayk')	Ethiopia	ca.	38.6000;7.6167	
Lago Abeita (see Abiyata Hayk')	Ethiopia	ca.	38.6000;7.6167	
Lake Abiata (see Abiyata Hayk')	Ethiopia	ca.	38.6000;7.6167	
Lake Abijata (see Abiyata Hayk')	Ethiopia	ca.	38.6000;7.6167	
Lake Abiyata (see Abiyata Hayk')	Ethiopia	ca.	38.6000;7.6167	
Lake Langanno (see Langano Hayk')	Ethiopia		38.7167;7.6000	
Lake Langano (see Langano Hayk'), Shoa	Ethiopia		38.7167;7.6000	
Lake Langara (see Langano Hayk')	Ethiopia		38.7167;7.6000	
Lake Langeno (see Langano Hayk')	Ethiopia		38.7167;7.6000	
Langanno, lake (see Langano Hayk')	Ethiopia		38.7167;7.6000	
Langano Hayk'	Ethiopia		38.7167;7.6000	
(see also: Lake Langanno, Lake Langano, Lake Langara, Lake Langeno, Langanno, lake, Langano, lake, Langara, lake, Langeno, lake)				
Langano, lake (see Langano Hayk')	Ethiopia		38.7167;7.6000	
Langano, W coast lake	Ethiopia		38.7000;7.6167	
Langara, lake (see Langano Hayk')	Ethiopia		38.7167;7.6000	
Langeno, lake (see Langano Hayk')	Ethiopia		38.7167;7.6000	

NE 07038Bc:

Lago Sciala (see Shala Hayk')	Ethiopia		38.5333;7.4833	1800 m
Lago Scialla (see Shala Hayk')	Ethiopia		38.5333;7.4833	1800 m
Lake Shala (see Shala Hayk')	Ethiopia		38.5333;7.4833	1800 m
Lake Shalla (see Shala Hayk')	Ethiopia		38.5333;7.4833	1800 m
Scalla, Lago (see Shala Hayk')	Ethiopia		38.5333;7.4833	1800 m
Shala Hayk'	Ethiopia		38.5333;7.4833	1800 m
(see also: Lago Sciala, Lago Scialla, Lake Shala, Lake Shalla, Scalla, Lago, Shalla, lake, Shola)				
Shalla, lake (see Shala Hayk')	Ethiopia		38.5333;7.4833	1800 m
Shola (see Shala Hayk')	Ethiopia		38.5333;7.4833	1800 m

NE 07038Ab:

Awasa Hayk'	Ethiopia		38.4333;7.0500	
(see also: Awasa, lago, Awasa, lake, Awusa, Lake Awasa)				
Awasa, lago (see Awasa Hayk')	Ethiopia		38.4333;7.0500	
Awasa, lake (see Awasa Hayk')	Ethiopia		38.4333;7.0500	
Awusa (see Awasa Hayk')	Ethiopia		38.4333;7.0500	
Lake Awasa (see Awasa Hayk')	Ethiopia		38.4333;7.0500	

NE 07038Bb:

Cofole (see Kofele)	Ethiopia		38.7833;7.0667	2505 m
Kefole (see Kofele)	Ethiopia		38.7833;7.0667	2505 m
Kofale (see Kofele)	Ethiopia		38.7833;7.0667	2505 m
Kofele	Ethiopia		38.7833;7.0667	2505 m
(see also: Cofole, Kefole, Kofale, Koffolé)				
Koffolé (see Kofele)	Ethiopia		38.7833;7.0667	2505 m

NE 07039Cc:

Asala (see Asela)	Ethiopia		39.1333;7.9500	2430 m

Asela (see also: Asala, Asella, Aselle, Assela, Assele, Asselle)	Ethiopia		39.1333;7.9500	2430 m
Asella (see Asela)	Ethiopia		39.1333;7.9500	2430 m
Aselle (see Asela)	Ethiopia		39.1333;7.9500	2430 m
Assela (see Asela)	Ethiopia		39.1333;7.9500	2430 m
Assele (see Asela)	Ethiopia		39.1333;7.9500	2430 m
Asselle (see Asela)	Ethiopia		39.1333;7.9500	2430 m

NE 07039Bb:

Dinsho (see also: Gurie)	Ethiopia		39.7833;7.1000	
Gurie (see Dinsho)	Ethiopia		39.7833;7.1000	

NE 07040Dc:

Scech Hussein (see Sheh Husen)	Ethiopia		40.7000;7.7500	1385 m
Scech Hussen (see Sheh Husen)	Ethiopia		40.7000;7.7500	1385 m
Sheh Husen (see also: Scech Hussein, Scech Hussen, Sheik Hussein, Sheikh Hussein, Shek Husen, Shek Husen)	Ethiopia		40.7000;7.7500	1385 m
Sheik Hussein (see Sheh Husen)	Ethiopia		40.7000;7.7500	1385 m
Sheikh Hussein (see Sheh Husen)	Ethiopia		40.7000;7.7500	1385 m
Shek Husen (see Sheh Husen)	Ethiopia		40.7000;7.7500	1385 m
Shek Husen (see Sheh Husen)	Ethiopia		40.7000;7.7500	1385 m

NE 07040Bc:

Jara (see also: Jarra)	Ethiopia		40.5000;7.3667	2025 m
Jarra (see Jara)	Ethiopia		40.5000;7.3667	2025 m

NE 07040Ba:

Ghigner, 7 km (see Ginir, 7 km)	Ethiopia	ca.	40.7000;7.1667	ca. 1875 m
Ghiignir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	40.7000;7.1667	ca. 1875 m
Ghimir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	40.7000;7.1667	ca. 1875 m
Ghinir, 10 km from (see Ginir, 10 km from)	Ethiopia	ca.	40.7000;7.1667	
Ghinir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	40.7000;7.1667	ca. 1875 m
Ghinner, 7 km (see Ginir, 7 km)	Ethiopia	ca.	40.7000;7.1667	ca. 1875 m
Ghinnir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	40.7000;7.1667	ca. 1875 m
Ginir, 10 km from (see also: Ghinir, 10 km from)	Ethiopia	ca.	40.7000;7.1667	
Ginir, 30 mi [=48 km] N	Ethiopia		40.6500;7.1000	1951 m
Ginir, 49 km N	Ethiopia		40.6667;7.1000	1951 m
Ginir, 7 km (see also: Ghigner, 7 km, Ghiignir, 7 km, Ghimir, 7 km, Ghinir, 7 km, Ghinner, 7 km, Ghinnir, 7 km, Ginnir, 7 km)	Ethiopia	ca.	40.7000;7.1667	ca. 1875 m
Ginnir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	40.7000;7.1667	ca. 1875 m

NE 07041Ad:

Sauena (see Sawena)	Ethiopia		41.2667;7.3833	1195 m
Sawena (see also: Sauena)	Ethiopia		41.2667;7.3833	1195 m

NE 07042Ca:

Arer valley (see Erer Wenz)	Ethiopia		42.0333;7.5667	
Erer valley (see Erer Wenz)	Ethiopia		42.0333;7.5667	
Erer Wenz (see also: Arer valley, Erer valley, Errer valley)	Ethiopia		42.0333;7.5667	
Errer valley (see Erer Wenz)	Ethiopia		42.0333;7.5667	

NE 07045Aa:

Dobleh	Ethiopia		45.0000;7.0000	

NW 06011Cd:

Port Robert (see Robertsport)	Liberia		-11.3686;6.7553	158 m

Robert Port (see Robertsport)	Liberia		-11.3686;6.7553	158 m
Robertson (see Robertsport)	Liberia		-11.3686;6.7553	158 m
Robertsport (see also: Port Robert, Robert Port, Robertson, Robertstown)	Liberia		-11.3686;6.7553	158 m
Robertstown (see Robertsport)	Liberia		-11.3686;6.7553	158 m

NW 06011Cc:

Bendu	Liberia		-11.2133;6.7631	134 m

NW 06011Ca:

Gwene Town	Liberia		-11.0500;6.7333	

NW 06010Dd:

Bomi Hills logging concession (see Bomi Wood Concession)	Liberia	ca.	-10.8333;6.8833	
Bomi Wood Concession (see also: Bomi Hills logging concession, Boni Hills logging concession)	Liberia	ca.	-10.8333;6.8833	
Boni Hills logging concession (see Bomi Wood Concession)	Liberia	ca.	-10.8333;6.8833	

NW 06010Cd:

Hainda (see Haindi)	Liberia		-10.3867;6.8911	135 m
Haindi (see also: Hainda, Hende, Hendi)	Liberia		-10.3867;6.8911	135 m
Hende (see Haindi)	Liberia		-10.3867;6.8911	135 m
Hendi (see Haindi)	Liberia		-10.3867;6.8911	135 m

NW 06010Cc:

Repota (see Wreputa)	Liberia		-10.0500;6.7667	144 m
Reppo Town (see Wreputa)	Liberia		-10.0500;6.7667	144 m
Reppo's Town (see Wreputa)	Liberia		-10.0500;6.7667	144 m
Reputa (see Wreputa)	Liberia		-10.0500;6.7667	144 m
Wreputa (see also: Repota, Reppo Town, Reppo's Town, Reputa)	Liberia		-10.0500;6.7667	144 m

NW 06010Da:

Muhlenberg Mission (see also: Mühlenberg's Mission)	Liberia	ca.	-10.6500;6.5000	
Mühlenberg's Mission (see Muhlenberg Mission)	Liberia	ca.	-10.6500;6.5000	
Suehn	Liberia		-10.7067;6.6172	101 m

NW 06010Bd:

Ceasar's Beach (see Monrovia)	Liberia		-10.8047;6.3106	0 m
Ding River (see Saint Paul River) (see also: Tapeta, Tapi Town, Tappi, Tappita, Tappitown)	Liberia	ca.	-10.7986;6.3794	
Monrovia (see also: Ceasar's Beach)	Liberia		-10.8047;6.3106	0 m
Saint Paul River (see also: Ding River, St. Paul's River)	Liberia	ca.	-10.7986;6.3794	
St. Paul's River (see Saint Paul River)	Liberia	ca.	-10.7986;6.3794	

NW 06010Bc:

Coffee, mount (see Mount Coffee)	Liberia		-10.6464;6.4886	
Marshall Territory	Liberia		-10.5000;6.2500	
Mount Coffee (see also: Coffee, mount)	Liberia		-10.6464;6.4886	
Paynesville (see also: Paynsville)	Liberia		-10.7178;6.2756	24 m
Paynsville (see Paynesville)	Liberia		-10.7178;6.2756	24 m

NW 06010Ad:

Division 24 Camp (see Division Twenty-Four [Labor] Camp)	Liberia		-10.3661;6.4436	
Division Twenty-Four [Labor] Camp (see also: Division 24 Camp)	Liberia		-10.3661;6.4436	
Du Side village (see also: Duside plantation)	Liberia		-10.4633;6.3492	
Duside plantation (see Du Side village)	Liberia		-10.4633;6.3492	
Firestone Plantation, near Harbel (see also: Firestone Rubber Plantation)	Liberia		-10.3667;6.4000	
Firestone Rubber Plantation (see Firestone Plantation), near Harbel	Liberia		-10.3667;6.4000	
Harbel	Liberia		-10.3475;6.2797	95 m
Langatown (see Lengatown)	Liberia		-10.3833;6.3000	
Lengatown (see also: Langatown)	Liberia		-10.3833;6.3000	

NW 06010Ba:

Camp Schieffellin (see Schieffelin), on Junk river	Liberia		-10.5378;6.2214	94 m
Du river (see also: Due river, Dukwia river, Duquéah river, Lu river)	Liberia	ca.	-10.5400;6.2428	
Due river (see Du river)	Liberia	ca.	-10.5400;6.2428	
Dukwia river (see Du river)	Liberia	ca.	-10.5400;6.2428	
Duquéah river (see Du river)	Liberia	ca.	-10.5400;6.2428	
Elwa swamp	Liberia	ca.	-10.7000;6.2333	
Lu river (see Du river)	Liberia	ca.	-10.5400;6.2428	
Schieffelin, on Junk river (see also: Camp Schieffellin, Schieffelinsville, Schieffellin)	Liberia		-10.5378;6.2214	94 m
Schieffelinsville (see Schieffelin), on Junk river	Liberia		-10.5378;6.2214	94 m
Schieffellin (see Schieffelin), on Junk river	Liberia		-10.5378;6.2214	94 m

NW 06010Ab:

Borlor river (see Farmington river)	Liberia		-10.3536;6.1589	
Diale river (see Farmington river)	Liberia		-10.3536;6.1589	
Diang river (see Farmington river)	Liberia		-10.3536;6.1589	
Farmington river (see also: Borlor river, Diale river, Diang river, Nea river)	Liberia		-10.3536;6.1589	
Hilltown	Liberia		-10.3333;6.2167	
Nea river (see Farmington river)	Liberia		-10.3536;6.1589	
Roberts International Airport, near Harbel (see also: Robertsfield Airport)	Liberia		-10.3622;6.2339	
Robertsfield Airport (see Roberts International Airport), Monrovia	Liberia		-10.3622;6.2339	

NW 06008Da:

Biabli (see Quiapiple), Kran, west Upper Cess River	Liberia		-8.5403;6.6033	189 m
Kpeaplay (see Quiapiple), Kran, west Upper Cess River	Liberia		-8.5403;6.6033	189 m
Kpeaple (see Quiapiple), Kran, west Upper Cess River	Liberia		-8.5403;6.6033	189 m
Quiapiple, Kran, west Upper Cess River (see also: Biabli, Kpeaplay, Kpeaple)	Liberia		-8.5403;6.6033	189 m

NW 06008Cb:

Toyébli	Côte d'Ivoire		-8.4806;6.6197	211 m

NW 06008Ca:

Saibly	Côte d'Ivoire		-8.0333;6.5500	

NW 06008Bd:

Tapeta (see Ding River)	Liberia		-8.8603;6.4922	275 m
Tapi Town (see Ding River)	Liberia		-8.8603;6.4922	275 m
Tapita	Liberia		-8.8603;6.4922	275 m
Tappi (see Ding River)	Liberia		-8.8603;6.4922	275 m
Tappita (see Ding River)	Liberia		-8.8603;6.4922	275 m

Tappitown (see Ding River)	Liberia		-8.8603;6.4922	275 m

NW 06008Bc:

L.T.C. (see Liberian Timber Company)	Liberia		-8.6667;6.2667	
Liberian Timber Company (see also: L.T.C.)	Liberia		-8.6667;6.2667	

NW 06008Ba:

Jaoudi	Liberia		-8.6000;6.1131	308 m
Jarwondee	Liberia		-8.6000;6.1131	308 m
Jawodi	Liberia		-8.6000;6.1131	308 m

NW 06008Aa:

Tars Town, 25 km N Zwedru (see also: Zwedru, 25 km N)	Liberia		-8.1333;6.2167	
Tchien (see Zwedru)	Liberia		-8.1281;6.0667	274 m
Tchien, 25 km N (see Zwerdu, 25 km N)	Liberia	ca.	-8.1167;6.0833	
Tchien, 7 km N (see Zwerdu, 7 km N)	Liberia	ca.	-8.1167;6.0833	
Zwadhru (see Zwedru)	Liberia		-8.1281;6.0667	274 m
Zwadhru, 25 km N (see Zwerdu, 25 km N)	Liberia	ca.	-8.1167;6.0833	
Zwadhru, 7 km N (see Zwerdu, 7 km N)	Liberia	ca.	-8.1167;6.0833	
Zwedru (see also: Tchien, Zwadhru)	Liberia		-8.1281;6.0667	274 m
Zwedru, 25 km N (see Tars Town)	Liberia		-8.1333;6.2167	
Zwerdu, 25 km N (see also: Tchien, 25 km N, Zwadhru, 25 km N)	Liberia	ca.	-8.1167;6.0833	
Zwerdu, 7 km N (see also: Tchien, 7 km N, Zwadhru, 7 km N)	Liberia	ca.	-8.1167;6.0833	

NW 06007Dc:

Kahen (see Kahin)	Côte d'Ivoire		-7.6275;6.9139	250 m
Kahin (see also: Kahen)	Côte d'Ivoire		-7.6275;6.9139	250 m

NW 06007Cd:

Blodi (see also: Blody)	Côte d'Ivoire		-7.2936;6.7839	282 m
Blody (see Blodi)	Côte d'Ivoire		-7.2936;6.7839	282 m

NW 06007Cc:

Mount Peko National Park (see Parc National de Mont Peko)	Côte d'Ivoire		-7.1667;6.9333	
Parc National de Mont Peko, 6 km W Sibabli (see also: Mount Peko National Park, Sibabli, 6 km W)	Côte d'Ivoire		-7.1667;6.9333	
Sibabli, 6 km W (see Parc National de Mont Peko)	Côte d'Ivoire		-7.1667;6.9333	

NW 06007Cb:

Duékoué (see also: Duekoue)	Côte d'Ivoire		-7.3431;6.7381	271 m
Duekoue (see Duékoué)	Côte d'Ivoire		-7.3431;6.7381	271 m

NW 06007Ac:

Bouyo (see Buyo)	Côte d'Ivoire		-7.0500;6.2667	158 m
Buyo (see also: Bouyo)	Côte d'Ivoire		-7.0500;6.2667	158 m
Buyo, 15 km from	Côte d'Ivoire	ca.	-7.0500;6.2667	

NW 06005Cc:

Kanan-Koffi-Kro (see Konankoffikro)	Côte d'Ivoire		-5.2333;6.9667	217 m
Konankoffikro (see also: Kanan-Koffi-Kro)	Côte d'Ivoire		-5.2333;6.9667	217 m
Konankoffikro (see Konankofikro)	Côte d'Ivoire		-5.2446;6.9711	217 m

Konankofikro (see also: Konankoffikro)	Côte d'Ivoire		-5.2446;6.9711	217 m

NW 06005Ca:

Toumodi	Côte d'Ivoire		-5.0178;6.5581	252 m
Toumodi sud	Côte d'Ivoire		-5.0167;6.5500	152 m
Toumodi, 5 km SE	Côte d'Ivoire	ca.	-5.0167;6.5500	

NW 06005Ad:

Oumé (see also: Umé)	Côte d'Ivoire		-5.4167;6.3833	153 m
Umé (see Oumé)	Côte d'Ivoire		-5.4167;6.3833	153 m

NW 06005Ab:

Azagny National Park (see also: Parc National d'Azagny)	Côte d'Ivoire		-5.2589;6.2186	125 m
Parc National d'Azagny (see Azagny National Park)	Côte d'Ivoire		-5.2589;6.2186	125 m

NW 06005Aa:

Lamto	Côte d'Ivoire		-5.0333;6.2000	
Lamto Ecology Station, on Bandama River	Côte d'Ivoire		-5.0333;6.2167	
Lamto Reserve	Côte d'Ivoire		-5.0333;6.2167	
Lamto, 3 km from	Côte d'Ivoire	ca.	-5.0333;6.2167	

NW 06004Bd:

Asakra (see Assakra), 15 km E Lomo (see also: El-Tûr)	Côte d'Ivoire		-4.9000;6.4000	193 m
Assakra, 15 km E Lomo (see also: Asakra, Lomo, 15 km E)	Côte d'Ivoire		-4.9000;6.4000	193 m
Lomo, 15 km E (see Assakra)	Côte d'Ivoire		-4.9000;6.4000	193 m

NW 06004Bb:

Ahiérémou	Côte d'Ivoire		-4.9333;6.2333	73 m
Kpakobo (see Pacobo)	Côte d'Ivoire		-4.9372;6.1674	75 m
l'Orumbo, near Lamto	Côte d'Ivoire		-4.9667;6.2000	
Pacobo (see also: Kpakobo, Pakobo)	Côte d'Ivoire		-4.9372;6.1674	75 m
Pakobo (see Pacobo)	Côte d'Ivoire		-4.9372;6.1674	75 m

NW 06003Cb:

Abengourou	Côte d'Ivoire		-3.4964;6.7297	204 m
Abengourou department	Côte d'Ivoire	ca.	-3.4167;6.5833	
Abenguru (see Abenguru) (see also: Abenguru)	Côte d'Ivoire		-3.4964;6.7297	204 m
Appoube, near Appouesso, ca. 6 km E F.C. Bossematie (see also: Bossematié, ca. 6 km E)	Côte d'Ivoire		-3.4333;6.5500	
Bossematié, ca. 6 km E (see Appoube, near Appouesso)	Côte d'Ivoire		-3.4333;6.5500	

NW 06003Bc:

Blékoum	Côte d'Ivoire		-3.5422;6.3750	94 m

NW 06003Bb:

Adzopé (see also: Adzope)	Côte d'Ivoire		-3.8619;6.1069	137 m
Adzope (see Adzopé)	Côte d'Ivoire		-3.8619;6.1069	137 m

NW 06003Aa:

Undefined locality (Western region)	Ghana	ca.	-3.0000;6.0000	

NW 06002Dc:

Gawso (see also: Goaso, Gooso)	Ghana		-2.5167;6.8000	188 m

Goaso (see Gawso)	Ghana		-2.5167;6.8000	188 m
Gooso (see Gawso)	Ghana		-2.5167;6.8000	188 m
Mim (see also: Mmem village)	Ghana		-2.5667;6.9000	226 m
Mmem village (see Mim)	Ghana		-2.5667;6.9000	226 m

NW 06002Db:

Asampaniye (see also: Asempanaye Sefwi, Asenparage garden, Sefwi Asemparaye, Sefwi Asenparage)	Ghana		-2.9000;6.5000	251 m
Asempanaye Sefwi (see Asampaniye)	Ghana		-2.9000;6.5000	251 m
Asenparage garden (see Asampaniye)	Ghana		-2.9000;6.5000	251 m
Krokosua Hills Forest Reserve, near Mmem village	Ghana	ca.	-2.8500;6.6167	
Pampramase	Ghana	ca.	-2.9167;6.6667	
Sefwi Asemparaye (see Asampaniye)	Ghana		-2.9000;6.5000	251 m
Sefwi Asenparage (see Asampaniye)	Ghana		-2.9000;6.5000	251 m

NW 06002Cb:

Ahireso (see also: Ahiriso, Ahyireso, Ahyiresu)	Ghana		-2.3333;6.5333	160 m
Ahiriso (see Ahireso)	Ghana		-2.3333;6.5333	160 m
Ahyireso (see Ahireso)	Ghana		-2.3333;6.5333	160 m
Ahyiresu (see Ahireso)	Ghana		-2.3333;6.5333	160 m

NW 06002Ca:

Bibiani Mines	Ghana		-2.1167;6.5000	

NW 06002Bd:

Mafia (see also: Sefwi Mafra)	Ghana		-2.9333;6.4500	159 m
Sefwi Mafra (see Mafia)	Ghana		-2.9333;6.4500	159 m

NW 06002Ad:

Babiana (see Bibiana)	Ghana		-2.3000;6.4500	720 ft
Babianeha (see Bibiana)	Ghana		-2.3000;6.4500	720 ft
Bebiana (see Bibiana)	Ghana		-2.3000;6.4500	720 ft
Bebianiha (see Bibiana)	Ghana		-2.3000;6.4500	720 ft
Bibiana (see also: Babiana, Babianeha, Bebiana, Bebianiha, Bibianaha, Bibiani)	Ghana		-2.3000;6.4500	720 ft
Bibianaha (see Bibiana), Inland from Denkwa, 60 mi [=90 km] W Kumasi (see also: Kumasi, 60 mi [=90 km] W)	Ghana		-2.3000;6.4500	720 ft
Bibiani (see Bibiana)	Ghana		-2.3000;6.4500	720 ft
Kumasi, 60 mi [=90 km] W (see Bibianaha), Inland from Denkwa	Ghana		-2.3333;6.4667	720 ft
Sewhi Wiaso (see Sefwi Anwiawso)	Ghana		-2.2500;6.3306	
Anhwieso (see Sefwi Anwiawso)	Ghana		-2.2499;6.3306	
Anwiaswo (see Sefwi Anwiawso)	Ghana		-2.2499;6.3306	
Brahababum (see Sefwi Anwiawso)	Ghana		-2.2499;6.3306	
Sefwi Anwiawso (see also: Anhwieso, Anwiaswo, Brahababum, Sefwi Awiaso, Sehwi Anhwiaso, Sehwi Awiaso, Sewhi Wiaso)	Ghana		-2.2499;6.3306	
Sefwi Awiaso (see Sefwi Anwiawso)	Ghana		-2.2499;6.3306	
Sehwi Anhwiaso (see Sefwi Anwiawso)	Ghana		-2.2499;6.3306	
Sehwi Awiaso (see Sefwi Anwiawso)	Ghana		-2.2499;6.3306	

NW 06001Dc:

Kumasi Agricultural Station (see Kumasi, UST Agricultural Farm)	Ghana		-1.5667;6.7500	246 m
Kumasi, 17 mi [=27.4 km] from, Lakeside	Ghana		-1.5833;6.7500	
Kumasi, UST Agricultural Farm (see also: Kumasi Agricultural Station)	Ghana		-1.5667;6.7500	246 m
Ofinso (see also: Ofinsu, Old Offinso)	Ghana		-1.6500;6.9000	262 m
Ofinsu (see Ofinso)	Ghana		-1.6500;6.9000	262 m
Old Offinso (see Ofinso)	Ghana		-1.6500;6.9000	262 m

Undefined locality (Eastern region)	Ghana		-1.5000;6.7500	

NW 06001Cd:

Abodomasi (see Bodomasi), 58 km from Ksi	Ghana		-1.2553;6.8936	369 m
Akrochire, 38 mi [=61 km] NE Kumasi (see also: Akrokyere, Kumasi, 38 mi [=61 km] NE)	Ghana		-1.3333;6.9333	282 m
Akrokyere (see Akrochire), 38 mi [=61 km] NE Kumasi	Ghana		-1.3333;6.9333	282 m
Bia, New Debiso	Ghana		-1.2667;6.9667	
Bodomase (see Bodomasi)	Ghana		-1.2553;6.8936	369 m
Bodomasi (see also: Abodomasi, Bodomase, Ksi, 58 km from)	Ghana		-1.2553;6.8936	369 m
Ksi, 58 km from (see Bodomasi)	Ghana		-1.2553;6.8936	369 m
Kumasi, 38 mi [=61 km] NE (see Akrochire)	Ghana		-1.3333;6.9333	282 m
Kumawu	Ghana		-1.2833;6.9000	439 m

NW 06001Db:

Kuuni, 48 km (see Mpesetia)	Ghana		-1.8500;6.6500	226 m
Kuuni, 48 mi [=77 km] from (see Mpesetia), 48 mi [=77 km] from Kumasi	Ghana		-1.8500;6.6500	226 m
Kuuni, 77 km (see Mpesetia)	Ghana		-1.8500;6.6500	226 m
Mpasaatia (see Mpasatia)	Ghana		-1.8444;6.6639	
Mpasatia, near Kumasi (see also: Mpasaatia)	Ghana		-1.8444;6.6639	
Mpesetia, Kumasi, 24 mi [=36 km] W (see also: Kuuni, 48 km, Kuuni, 48 mi [=77 km] from, Kuuni, 77 km, Mpisalia)	Ghana		-1.8500;6.6500	226 m
Mpisalia (see Mpesetia), Holok	Ghana		-1.8500;6.6500	226 m

NW 06001Da:

Ksi (see Kumasi)	Ghana		-1.6167;6.6833	246 m
Ksi Forest Reserve (see Kumasi area) (see also: Ksi Forest Reserve, Town 5 km from)	Ghana	ca.	-1.6000;6.6667	
Ksi Forest Reserve, Town 5 km from (see Ksi Forest Reserve)	Ghana	ca.	-1.6000;6.6667	
Kumasi (see also: Ksi)	Ghana		-1.6167;6.6833	246 m
Kumasi area (see also: Ksi Forest Reserve, Kusasi area)	Ghana	ca.	-1.6000;6.6667	
Kumasi University	Ghana		-1.6167;6.6833	246 m
Kumasi, near	Ghana	ca.	-1.5833;6.6667	
Kumasi-Dunkwa road	Ghana		-1.5833;6.6667	
Kusasi area (see Kumasi area)	Ghana	ca.	-1.6000;6.6667	

NW 06001Cb:

Ankasi, 17 mi [=27 km] from Ksi [= Kumasi] (see also: Ksi, 17 mi [=27 km] from, Kumasi, 17 mi [=27 km] from)	Ghana		-1.3667;6.6500	217 m
Bosomtwe, lake (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Bosum, lake (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Bosumtivi, lake (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Bosumtwe, lake (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Bosumtwi, lake (see also: Bosomtwe, lake, Bosum, lake, Bosumtivi, lake, Bosumtwe, lake, Busumtwi, lake, Lake Bosomtwe, Lake Bosumtivi, Lake Bosumtivi Konlanasi, Lake Bosumtwe, Lake Bosumtwi, Lake Bosumtwi Konlanasi, Lake Busumtwi)	Ghana		-1.4167;6.5000	
Busumtwi, lake (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Kojali Bach	Ghana	ca.	-1.4167;6.5000	
Ksi, 17 mi [=27 km] from (see Ankasi)	Ghana		-1.3667;6.6500	217 m
Kumasi, 17 mi [=27 km] from (see Ankasi)	Ghana		-1.3667;6.6500	217 m
Lake Bosomtwe (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Lake Bosumtivi (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Lake Bosumtivi Konlanasi (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Lake Bosumtwe (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Lake Bosumtwi (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Lake Bosumtwi Konlanasi (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	
Lake Busumtwi (see Bosumtwi, lake)	Ghana		-1.4167;6.5000	

NW 06001Ca:

Dwaaso (see Juaso)	Ghana		-1.1167;6.5833	218 m
Juaso	Ghana		-1.1167;6.5833	218 m
(see also: Dwaaso)				
Konongo	Ghana		-1.2167;6.6167	231 m

NW 06001Bc:

Ankasi, on lake side, ?? mi from Ksi	Ghana	ca.	-1.5667;6.3667	
Bekawi (see Bekwai)	Ghana		-1.5833;6.4500	219 m
Bekwai	Ghana		-1.5833;6.4500	219 m
(see also: Bekawi, Bekwai Ash)				
Bekwai Ash (see Bekwai)	Ghana		-1.5833;6.4500	219 m
Oboasi	Ghana		-1.6000;6.2500	
(see also: Oboasi Mines)				
Oboasi Mines (see Oboasi)	Ghana		-1.6000;6.2500	

NW 06001Ad:

Setwi, Base Camp, 16 mi from Setwi	Ghana		-1.4667;6.4500	
Wiawso, Bekwai, Setwi base camp, Setwi, 16mi	Ghana		-1.4667;6.4500	

NW 06001Ac:

Ntronan (see Ntronang)	Ghana		-1.0833;6.3500	165 m
Ntronane (see Ntronang)	Ghana		-1.0833;6.3500	165 m
Ntronang	Ghana		-1.0833;6.3500	165 m
(see also: Ntronan, Ntronane)				

NW 06001Bb:

Adamso	Ghana		-1.7833;6.0667	139 m

NW 06001Ab:

Edubiase, 15 mi [=24 km] S (see New Edubiase)	Ghana		-1.4000;6.0667	152 m
New Edubiase, 15 mi S [=24 km] Edubiase	Ghana		-1.4000;6.0667	152 m
(see also: Edubiase, 15 mi [=24 km] S)				
New Edubiase, 15 mi [=24 km] S	Ghana	ca.	-1.4000;6.0667	

NW 06000Db:

Abetife (see Abetifi)	Ghana		-0.7500;6.6667	552 m
Abetifi	Ghana		-0.7500;6.6667	552 m
(see also: Abetife)				
Nkaw Nkaw (see Nkawkaw)	Ghana		-0.7667;6.5500	253 m
Nkawkaw	Ghana		-0.7667;6.5500	253 m
(see also: Nkaw Nkaw, Nkokoo)				
Nkokoo (see Nkawkaw)	Ghana		-0.7667;6.5500	253 m
Obomen, Mpriaso, near	Ghana		-0.7500;6.5833	402 m

NW 06000Da:

Kwahu mountains	Ghana	ca.	-0.6667;6.6667	
Mpraeso	Ghana		-0.7333;6.5833	367 m
Nkawkaw, 1 mi [=1.6 km] N	Ghana		-0.7333;6.5500	
Nkawkaw, 3.25 km N, 1.33 km W	Ghana		-0.7333;6.5333	

NW 06000Ad:

Begoro	Ghana		-0.3833;6.2833	447 m
Boti Falls, 20 mi N Korforidua	Ghana		-0.3167;6.3667	
(see also: Korforidua, 20 mi [=32 km] N)				
Korforidua, 20 mi [=32 km] N (see Boti Falls)	Ghana		-0.3167;6.3667	

NW 06000Bb:

Kade Agricultural Research Station	Ghana		-0.8333;6.0833	127 m
Kade Agricultural Research Station, SE	Ghana		-0.8333;6.0833	127 m
Kade, 6 mi [=9.7 km] N	Ghana		-0.8333;6.1667	
Kade, 6 mi [=9.7 km] NW	Ghana		-0.9000;6.1500	

Kade, 7 mi [=11.3 km] NE	Ghana		-0.7500;6.1500	

NW 06000Ba:

Kade, 11 km NE	Ghana		-0.5667;6.1167	

NW 06000Ab:

Koforidua	Ghana		-0.2500;6.0833	238 m
Okorase	Ghana		-0.2500;6.0333	207 m
(see also: Okorasi)				
Okorasi (see Okorase)	Ghana		-0.2500;6.0333	207 m
Suhum, 2.4 mi [=3.9 km] E	Ghana	ca.	-0.4500;6.0333	

NW 06000Aa:

Somanya, 3.2 km E	Ghana	ca.	-0.0167;6.1000	

NE 06000Cc:

Misahöhe	Ghana		0.1000;6.9500	
(see also: Missahohé)				
Missahohé (see Misahöhe)	Ghana		0.1000;6.9500	

NE 06000Cd:

Amedjofe (see Amedzofe)	Ghana		0.4333;6.8500	677 m
Amedschovhe (see Amedzofe)	Ghana		0.4333;6.8500	677 m
Amedschowe (see Amedzofe)	Ghana		0.4333;6.8500	677 m
Amedzofe	Ghana		0.4333;6.8500	677 m
(see also: Amedjofe, Amedschovhe, Amedschowe, Amedzope, Ameiope, Amejove)				
Amedzope (see Amedzofe)	Ghana		0.4333;6.8500	677 m
Ameiope (see Amedzofe)	Ghana		0.4333;6.8500	677 m
Amejove (see Amedzofe)	Ghana		0.4333;6.8500	677 m
Leklebi Agbesia	Ghana		0.4833;6.9333	

NE 06000Dc:

Agou (see Agou Gadzépé)	Togo		0.7333;6.8833	488 m
Agou Gadzépé	Togo		0.7333;6.8833	488 m
(see also: Agou, Agou-Nyongbo)				
Agou-Nyongbo (see Agou Gadzépé)	Togo		0.7333;6.8833	488 m
Hausberg (see Kloto)	Togo		0.5667;6.9500	603 m
Kloto	Togo		0.5667;6.9500	603 m
(see also: Hausberg, Klouto, Kluto)				
Klouto (see Kloto)	Togo		0.5667;6.9500	603 m
Kluto (see Kloto)	Togo		0.5667;6.9500	603 m
Misahoehe (see Missahohé)	Togo		0.5833;6.9500	473 m
Misahohe (see Missahohé)	Togo		0.5833;6.9500	473 m
Misahöhé (see Missahohé)	Togo		0.5833;6.9500	473 m
Missahohé	Togo		0.5833;6.9500	473 m
(see also: Misahoehe, Misahohe, Misahöhé)				

NE 06000Ca:

Abanase (see Avetile)	Ghana		0.2333;6.5333	307 m
Abanasi (see Avetile)	Ghana		0.2333;6.5333	307 m
Anum, 4 mi [=6.4 km] S	Ghana	ca.	0.1667;6.5000	ca. 230 m
Avetile	Ghana		0.2333;6.5333	307 m
(see also: Abanase, Abanasi, Peki Aventile)				
Peki Aventile (see Avetile)	Ghana		0.2333;6.5333	307 m

NE 06000Cb:

Bame	Ghana		0.3500;6.6667	173 m
Bame, 7 mi [=11 km] S	Ghana		0.3000;6.6170	
Ho	Ghana		0.4667;6.6000	153 m
Kpeve	Ghana		0.3333;6.6833	188 m
(see also: Kpeve Gbohome, Kpeve Gboyeme)				
Kpeve Gbohome (see Kpeve)	Ghana		0.3333;6.6833	188 m
Kpeve Gboyeme (see Kpeve)	Ghana		0.3333;6.6833	188 m
Tsibu, 2 mi [=3.2 km] SSW	Ghana	ca.	0.2833;6.5667	248 m
Tsibu, 7 mi [=11.3 km] N	Ghana	ca.	0.2833;6.5667	

NE 06000Db:

Amousso Kopé (see Amoussokopé)	Togo		0.8500;6.6667	
Amoussokopé	Togo		0.8500;6.6667	
(see also: Amousso Kopé, Amouzoukopé)				
Amouzoukopé (see Amoussokopé)	Togo		0.8500;6.6667	
Kouda Topki	Togo		0.8600;6.6300	

NE 06000Ac:

Akomo (see Akwamu)	Ghana		0.0833;6.2833	152 m
Akonsonbo (see Akosombo)	Ghana		0.0500;6.3000	76 m
Akoso Mbo (see Akosombo)	Ghana		0.0500;6.3000	76 m
Akosombo	Ghana		0.0500;6.3000	76 m
(see also: Akonsonbo, Akoso Mbo, Kosombo, Oko sombo)				
Akwamu	Ghana		0.0833;6.2833	152 m
(see also: Akomo, Akwamufe, Akwamufie)				
Akwamufe (see Akwamu)	Ghana		0.0833;6.2833	152 m
Akwamufe, 1 mi [=1.6 km] N	Ghana	ca.	0.1167;6.2667	
Akwamufie (see Akwamu)	Ghana		0.0833;6.2833	152 m
Anum	Ghana		0.1500;6.4833	234 m
Anum-Asikuma, 1 mi [=1.6 km] N (see Asikuma, 1 mi [=1.6 km] N)	Ghana		0.1667;6.4167	147 m
Asikuma, 1 mi [=1.6 km] N	Ghana		0.1667;6.4167	147 m
(see also: Anum-Asikuma, 1 mi [=1.6 km] N)				
Kosombo (see Akosombo)	Ghana		0.0500;6.3000	76 m
Oko sombo (see Akosombo)	Ghana		0.0500;6.3000	76 m

NE 06000Aa:

Aflao, 105 km W	Ghana		0.2442;6.1178	
(see also: Afloa, 105 km W)				
Afloa, 105 km W (see Aflao, 105 km W)	Ghana		0.2442;6.1178	
Akwamu, 5 mi [=8 km] W	Ghana	ca.	0.1167;6.2333	
Krobo, mountain	Ghana		0.0500;6.0830	
(see also: Mount Krobo)				
Mount Krobo (see Krobo, mountain)	Ghana		0.0500;6.0830	

NE 06000Ab:

Bataw (see Bator)	Ghana		0.4167;6.0667	56 m
Bator	Ghana		0.4167;6.0667	56 m
(see also: Bataw, Battor)				
Battor (see Bator)	Ghana		0.4167;6.0667	56 m

NE 06000Ba:

Sogakofe	Ghana		0.6000;6.0000	48 m
(see also: Sogakope, Sogakorpe, Sogankofe)				
Sogakope (see Sogakofe)	Ghana		0.6000;6.0000	48 m
Sogakorpe (see Sogakofe)	Ghana		0.6000;6.0000	48 m
Sogankofe (see Sogakofe)	Ghana		0.6000;6.0000	48 m

NE 06001Cc:

Notsé	Togo		1.1667;6.9500	146 m
(see also: Nouatja, Nuatia, Nuatja, Nuatya)				
Nouatja (see Notsé)	Togo		1.1667;6.9500	146 m
Nuatia (see Notsé)	Togo		1.1667;6.9500	146 m
Nuatja (see Notsé)	Togo		1.1667;6.9500	146 m
Nuatya (see Notsé)	Togo		1.1667;6.9500	146 m

NE 06001Dd:

Kpodave	Benin		1.7667;6.8167	

NE 06001Da:

Lokossa, S of	Benin	ca.	1.7167;6.6333	

NE 06001Ad:

Gbatope	Togo		1.2833;6.4333	

NE 06001Bc:

Anécho, cercle de (see Préfecture d'Aného)	Togo		1.6667;6.3667	
Anécho, prefecture (see Préfecture d'Aného)	Togo		1.6667;6.3667	
Aného prefecture (see Préfecture d'Aného)	Togo		1.6667;6.3667	
Aného, circonscription de (see Préfecture d'Aného)	Togo		1.6667;6.3667	
Cercle d'Anécho (see Préfecture d'Aného)	Togo		1.6667;6.3667	
Circonscription d'Aného (see Préfecture d'Aného)	Togo		1.6667;6.3667	
Lacs prefecture (see Préfecture d'Aného)	Togo		1.6667;6.3667	
Préfecture d'Anécho (see Préfecture d'Aného)	Togo		1.6667;6.3667	
Préfecture d'Aného	Togo		1.6667;6.3667	
(see also: Anécho, cercle de, Anécho, prefecture, Aného prefecture, Aného, circonscription de, Cercle d'Anécho, Circonscription d'Aného, Lacs prefecture, Préfecture d'Anécho, Préfecture des Lacs)				
Préfecture des Lacs (see Préfecture d'Aného)	Togo		1.6667;6.3667	

NE 06001Bd:

Ghola (see Grand-Popo)	Benin		1.9500;6.3167	63 m
Grand-Popo	Benin		1.9500;6.3167	63 m
(see also: Ghola, Great Popo, Groß-Popo, Kpla)				
Great Popo (see Grand-Popo)	Benin		1.9500;6.3167	63 m
Groß-Popo (see Grand-Popo)	Benin		1.9500;6.3167	63 m
Kpla (see Grand-Popo)	Benin		1.9500;6.3167	63 m
Lokossa, 10 mi [=16 km] S	Benin	ca.	1.7833;6.4833	

NE 06001Aa:

Aflahu (see Aflao)	Ghana		1.1928;6.1178	61 m
Aflao	Ghana		1.1928;6.1178	61 m
(see also: Aflahu, Afloa, Dano, Porura)				
Aflao, 72 km W	Ghana		1.1833;6.1167	
(see also: Afloa, 72 km W)				
Afloa (see Aflao)	Ghana		1.1928;6.1178	61 m
Afloa, 72 km W (see Aflao, 72 km W)	Ghana		1.1833;6.1167	
Dano (see Aflao)	Ghana		1.1928;6.1178	61 m
Dano (see Denu)	Ghana		1.1472;6.0986	60 m
Danoe (see Denu)	Ghana		1.1472;6.0986	60 m
Danu (see Denu)	Ghana		1.1472;6.0986	60 m
Denu	Ghana		1.1472;6.0986	60 m
(see also: Dano, Danoe, Danu)				
Lomé	Togo		1.2228;6.1319	63 m
(see also: Lome)				
Lome (see Lomé)	Togo		1.2228;6.1319	63 m
Porura (see Aflao)	Ghana		1.1928;6.1178	61 m

NE 06001Ab:

Agbedrafo	Togo		1.4789;6.2014	65 m
Agbodrafo	Togo		1.4789;6.2014	65 m
Agbodrafo Porto-Séguro	Togo		1.4789;6.2014	65 m
Kpogan	Togo		1.3825;6.1728	66 m
(see also: Pogan)				
Pogan (see Kpogan)	Togo		1.3825;6.1728	66 m
Porto-Segouro	Togo		1.4789;6.2014	65 m
Porto-Séguro	Togo		1.4789;6.2014	65 m
Togo (see Togoville)	Togo		1.4781;6.2281	63 m
Togoville	Togo		1.4781;6.2281	63 m
(see also: Togo)				

NE 06001Ba:

Adjigó (see Agoué)	Benin		1.6833;6.2333	0 m
Agoué	Benin		1.6833;6.2333	0 m
(see also: Adjigó, Agouve, Ague, Agwe, Agweh, Ajigo)				
Agouve (see Agoué)	Benin		1.6833;6.2333	0 m

Ague (see Agoué)	Benin	1.6833;6.2333	0 m
Agwe (see Agoué)	Benin	1.6833;6.2333	0 m
Agweh (see Agoué)	Benin	1.6833;6.2333	0 m
Ajigo (see Agoué)	Benin	1.6833;6.2333	0 m
Anécho (see Aného)	Togo	1.6000;6.2333	63 m
Aného (see also: Anécho, Anekho, Anerho, Klein-Popo, Little Popo, Petit Popo)	Togo	1.6000;6.2333	63 m
Anekho (see Aného)	Togo	1.6000;6.2333	63 m
Anerho (see Aného)	Togo	1.6000;6.2333	63 m
Klein-Popo (see Aného)	Togo	1.6000;6.2333	63 m
Little Popo (see Aného)	Togo	1.6000;6.2333	63 m
Petit Popo (see Aného)	Togo	1.6000;6.2333	63 m

NE 06002Cd:

Whedda	Benin	2.4667;6.7500	

NE 06002Da:

Aitedjou (see also: Ayetédjoun)	Benin	2.7333;6.6500	36 m
Ayetédjoun (see Aitedjou)	Benin	2.7333;6.6500	36 m

NE 06002Ac:

Kouandé (see also: Kwade, Kwande)	Benin	2.0667;6.4000	66 m
Kwade (see Kouandé)	Benin	2.0667;6.4000	66 m
Kwande (see Kouandé)	Benin	2.0667;6.4000	66 m

NE 06002Ad:

Aguagou / Cotonou	Benin	2.4333;6.3500	51 m
Appi (see Cotonou)	Benin	2.4333;6.3500	51 m
Catonou (see Cotonou)	Benin	2.4333;6.3500	51 m
Cotonou (see also: Appi, Catonou, Kotonou, Kotonu)	Benin	2.4333;6.3500	51 m
Kotonou (see Cotonou)	Benin	2.4333;6.3500	51 m
Kotonu (see Cotonou)	Benin	2.4333;6.3500	51 m

NE 06002Bc:

Borto-Novo (see Porto-Novo)	Benin	2.6167;6.4833	38 m
Porto Novas (see Porto-Novo)	Benin	2.6167;6.4833	38 m
Porto Novo National Botanical Garden (see Porto-Novo)	Benin	2.6167;6.4833	38 m
Porto-Novo (see also: Borto-Novo, Porto Novas, Porto Novo National Botanical Garden, Portus Novus)	Benin	2.6167;6.4833	38 m
Portus Novus (see Porto-Novo)	Benin	2.6167;6.4833	38 m

NE 06003Dc:

ACWA (see Adventist College of West Africa (ACWA)), 1.6 km SE Ilishan-Remo	Nigeria	3.7142;6.8950	76 m
Adventist College of West Africa (ACWA), 1.6 km SE Ilishan-Remo (see also: ACWA, Ilisham Remo, 1 mi [=1.6 km] SE, Ilishan-Remo, 1.6 km SE)	Nigeria	3.7142;6.8950	76 m
Ilisham Remo, 1 mi [=1.6 km] SE (see Adventist College of West Africa (ACWA))	Nigeria	3.7142;6.8950	
Ilishan-Remo	Nigeria	3.7142;6.8951	74 m
Ilishan-Remo, 1.6 km SE (see Adventist College of West Africa (ACWA))	Nigeria	3.7142;6.8950	76 m
Sagamu (see Shagamu)	Nigeria	3.6478;6.8432	63 m
Shagamu (see also: Sagamu)	Nigeria	3.6478;6.8432	63 m

NE 06003Cb:

Agege, 15 mi [=24 km] N of Lagos (see also: Lagos, 15 mi [=24 km] N)	Nigeria	3.3258;6.6219	41 m
Lagos, 15 mi [=24 km] N (see Agege)	Nigeria	3.3258;6.6219	41 m

NE 06003Ad:

Apapa, 6 mi E Lagos (see also: Lagos, 6 mi [=9.7 km] E)	Nigeria	3.3592;6.4456	34 m
Jauro Masali	Nigeria	3.4167;6.3333	1300 m
Lagos	Nigeria	3.3958;6.4531	34 m
Lagos, 6 mi [=9.7 km] E (see Apapa)	Nigeria	3.3592;6.4456	34 m

NE 06004Cd:

Omo Forest Reserve	Nigeria	4.3714;6.8469	

NE 06005Dd:

Ifon	Nigeria	5.7761;6.9242	162 m

NE 06005Ac:

Benin City, 30 mi [=48 km] W (see Okomu Forest Reserve)	Nigeria	5.2337;6.3127	
Benin Native Area (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City	Nigeria	5.2337;6.3127	
Okomu (see also: Okuno)	Nigeria	5.1039;6.2657	
Okomu Forest Reserve, 30 mi [=48 km] W Benin City (see also: Benin City, 30 mi [=48 km] W, Benin Native Area, Okomu National Park, Okomu Native Area Forest Reserve)	Nigeria	5.2337;6.3127	
Okomu National Park (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City	Nigeria	5.2337;6.3127	
Okomu Native Area Forest Reserve (see Okomu Forest Reserve), 30 mi [=48 km] W Benin City	Nigeria	5.2337;6.3127	
Okuno (see Okomu)	Nigeria	5.1039;6.2657	

NE 06005Bc:

Benim (see Benin-City), Sapoba	Nigeria	5.6333;6.3333	77 m
Bénin (see Benin-City), Sapoba	Nigeria	5.6333;6.3333	77 m
Benin-City, Sapoba (see also: Benim, Bénin)	Nigeria	5.6333;6.3333	77 m

NE 06005Bb:

Sapoba	Nigeria	5.8986;6.1064	72 m
Sapoba Forest Reserve	Nigeria	5.8192;6.0756	

NE 06006Bd:

Aguleri, Anambra Creek (see also: Anambra Creek)	Nigeria	6.8833;6.3333	82 m
Aguleri,1.5 mi [=2.4 km] E	Nigeria	6.8833;6.3333	
Anambra Creek (see Aguleri)	Nigeria	6.8833;6.3333	82 m

NE 06006Bb:

Asaba, 150 mi up the Niger	Nigeria	6.7500;6.1833	54 m
Asaba, 5 mi [=8 km] N	Nigeria	ca. 6.7500;6.1833	
Ogbunike, near Onitscha	Nigeria	6.9000;6.1667	150 m

NE 06007Cd:

Enugu-Ezike (see also: Independence Layout)	Nigeria	7.4553;6.9828	508 m
Independence Layout (see Enugu-Ezike)	Nigeria	7.4553;6.9828	508 m

NE 06008Db:

Ogoja	Nigeria	8.7976;6.6547	127 m

NE 06008Aa:

Nko	Nigeria		8.1417;6.0163	103 m
(see also: N'ko)				
N'ko (see Nko)	Nigeria		8.1417;6.0163	103 m

NE 06009Dd:

Gwofong, 10 km E (see Gwofong, 10 km E)	Cameroon		9.8000;6.8500	
(see also: Gwofong, 10 km E)				

NE 06009Ad:

Obudu	Nigeria	ca.	9.3500;6.4667	
Obudu plateau	Nigeria	ca.	9.3521;6.4600	

NE 06009Ab:

Bascho (see Basho)	Cameroon		9.4333;6.1333	267 m
Bashauo (see Basho)	Cameroon		9.4333;6.1333	267 m
Basho	Cameroon		9.4333;6.1333	267 m
(see also: Bascho, Bashauo)				

NE 06010Ad:

Oku lake	Cameroon	ca.	10.4333;6.2500	
(see also: Lake Oku)				

NE 06010Aa:

Bafut	Cameroon		10.1000;6.0833	1231 m
Bafut Agyati, 2 km E	Cameroon	ca.	10.1000;6.0833	

NE 06010Ab:

Bamenda division (see Mezan division)	Cameroon		10.4167;6.0000	
Camp IV	Cameroon		10.4167;6.1667	2100 m

NE 06010Ba:

Banso Highlands	Cameroon	ca.	10.6667;6.1667	ca. 1850 m

NE 06011Dc:

Leinde Fadali	Nigeria		11.6000;6.9667	1700 m

NE 06011Cb:

Mambila mountains (see Mambila Plateau)	Nigeria	ca.	11.3667;6.5333	
Mambila Plateau	Nigeria	ca.	11.3667;6.5333	
(see also: Mambila mountains, Monts Mambila, Monts Mambila Songola, Monts Ribao, Ribao-Berge, Songola)				
Mambilla Plateau	Nigeria		11.3667;6.5167	
Monts Mambila (see Mambila Plateau)	Nigeria	ca.	11.3667;6.5333	
Monts Mambila Songola (see Mambila Plateau)	Nigeria	ca.	11.3667;6.5333	
Monts Ribao (see Mambila Plateau)	Nigeria	ca.	11.3667;6.5333	
Ribao-Berge (see Mambila Plateau)	Nigeria	ca.	11.3667;6.5333	
Songola (see Mambila Plateau)	Nigeria	ca.	11.3667;6.5333	

NE 06011Bc:

Daré, 10 km N (see Mayo Darlé, 10 km N)	Cameroon	ca.	11.5500;6.4667	
Daré, 6 km N (see Mayo Darlé, 6 km N)	Cameroon	ca.	11.5500;6.4667	
Mayo Daré, 10 km N (see Mayo Darlé, 10 km N)	Cameroon	ca.	11.5500;6.4667	
Mayo Daré, 6 km N (see Mayo Darlé, 6 km N)	Cameroon	ca.	11.5500;6.4667	
Mayo Darlé, 10 km N	Cameroon	ca.	11.5500;6.4667	
(see also: Daré, 10 km N, Mayo Daré, 10 km N)				
Mayo Darlé, 6 km N	Cameroon	ca.	11.5500;6.4667	
(see also: Daré, 6 km N, Mayo Daré, 6 km N)				

NE 06012Cc:

Banyo, 30 km ESE	Cameroon	ca.	12.0000;6.7833	

NE 06012Bc:

Meng River, 6 km NW Tibati (see also: Tibati, 6 km NW)	Cameroon		12.6333;6.4667	
Tibati	Cameroon		12.6333;6.4667	838 m
Tibati air strip	Cameroon		12.6333;6.4667	748 m
Tibati, 6 km NW (see Meng River)	Cameroon		12.6333;6.4667	

NE 06012Bd:

Mbakaou	Cameroon		12.8167;6.3167	833 m

NE 06014Dc:

Djohong (see also: Doumba)	Cameroon		14.7000;6.8333	1242 m
Doumba (see Djohong)	Cameroon		14.7000;6.8333	1242 m

NE 06014Cb:

Meiganda (see Meïganga)	Cameroon		14.3000;6.5167	978 m
Meïganga (see also: Meiganda)	Cameroon		14.3000;6.5167	978 m

NE 06016Ad:

Bosum (see Bozoum)	Central African Republic		16.3833;6.3167	721 m
Bozoum (see also: Bosum, Bozum)	Central African Republic		16.3833;6.3167	721 m
Bozum (see Bozoum)	Central African Republic		16.3833;6.3167	721 m

NE 06020Ab:

Kaga Kodou (Hill) (see Kodou, Kaga (Hill))	Central African Republic		20.3833;6.0167	
Kodou, Kaga (Hill) (see also: Kaga Kodou (Hill))	Central African Republic		20.3833;6.0167	

NE 06022Da:

Nguerengou River	Central African Republic		22.6417;6.5433	

NE 06023Cb:

Bohou River	Central African Republic	ca.	23.4128;6.5464	

NE 06027Dd:

Raffili, 90 mi [=145 km] S Wau (see also: Rafili, Wau, 90 mi [=145 km] S)	South Sudan		27.9833;6.8500	463 m
Rafili (see Raffili), 90 mi [=145 km] S Wau	South Sudan		27.9833;6.8500	463 m
Wau, 90 mi [=145 km] S (see Raffili)	South Sudan		27.9833;6.8500	463 m

NE 06027Ba:

Bandala Hills, location 1, Central Payam, Bandala Boma, ca. 10 km W Sue River, W border Southern National Park)	South Sudan		27.7253;6.1325	535 m

NE 06028Da:

Tonj, 103 km SE	South Sudan	ca.	28.6833;6.6667	
Tonj, 64 km SE	South Sudan		28.6833;6.6667	

NE 06029Dc:

Rumbeck (see Rumbek), 100 mi [=160 km] SE Wau	South Sudan		29.6833;6.8000	406 m
Rumbek, 100 mi [=160 km] SE Wau	South Sudan		29.6833;6.8000	406 m
(see also: Rumbeck, Wau, 100 mi [=160 km] SE)				
Wau, 100 mi [=160 km] SE (see Rumbek)	South Sudan		29.6833;6.8000	406 m

NE 06030Cc:

Nyibor, lake	South Sudan		30.1667;6.9167	

NE 06030Da:

Yirol	South Sudan		30.5036;6.5567	438 m
Yirol district	South Sudan	ca.	30.5036;6.5567	ca. 3000 ft

NE 06030Db:

Dinka county	South Sudan		30.9715;6.5806	
Sudan Fagwl	South Sudan	ca.	30.9715;6.5806	

NE 06030Ac:

Ngop, 30 mi [=48 km] SE Yirol	South Sudan		30.1930;6.2642	
(see also: Yirol, 30 mi [=48 km] SE)				
Yirol, 30 mi [=48 km] SE (see Ngop)	South Sudan		30.1930;6.2642	
(see also: Wau, 2 mi [=3.2 km] S)				

NE 06031Cc:

Abu Kika	South Sudan	ca.	31.0000;6.9167	
(see also: Abukika)				
Abukika (see Abu Kika)	South Sudan		31.0000;6.9167	

NE 06031Dd:

Nimule, 30 mi [=48 km] N (see Shukoli)	South Sudan		31.7667;6.9167	601 m
Shukali (see Shukoli), 30 mi [=48 km] N Nimule	South Sudan		31.7667;6.9167	601 m
Shukoli, 30 mi [=48 km] N Nimule	South Sudan		31.7667;6.9167	601 m
(see also: Nimule, 30 mi [=48 km] N, Shukali)				

NE 06031Ca:

Duk Fagul, Dinka country	South Sudan		31.0000;6.5500	

NE 06031Bc:

Bor, 40 mi [=64 km] N	South Sudan		31.5667;6.3000	

NE 06031Ba:

Bor	South Sudan		31.5592;6.2072	406 m

NE 06034Ab:

Boma mountains, west foothills (see Boma Mountains, Western foothills)	South Sudan		34.4167;6.1667	
Boma Mountains, Western foothills	South Sudan		34.4167;6.1667	
(see also: Boma mountains, west foothills)				

NE 06035Ca:

Koi area	Ethiopia		35.2333;6.6500	

NE 06035Ba:

Mui, Oma river	Ethiopia		35.5500;6.0500	1530 m

NE 06035Bb:

Kalam, 30 km N (see Omo Valley)	Ethiopia	ca.	35.8333;6.0000	

Kelem, 30 km N (see Omo Valley)	Ethiopia	ca.	35.8333;6.0000	
Omo Valley, 30 km N Kalam (see also: Kalam, 30 km N, Kelem, 30 km N)	Ethiopia	ca.	35.8333;6.0000	

NE 06036Dc:

Manera	Ethiopia	ca.	36.7000;6.9000	
Manera forest	Ethiopia		36.7000;6.9000	1220 m

NE 06036Bd:

Djala	Ethiopia		36.8333;6.3333	
Gofa	Ethiopia		36.7500;6.2500	

NE 06037Dc:

Ualeita (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		37.6667;6.8333	6 700 ft
Uolamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		37.6667;6.8333	6 700 ft
Uollamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		37.6667;6.8333	6 700 ft
Walamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		37.6667;6.8333	6 700 ft
Welamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		37.6667;6.8333	6 700 ft
Welamo Awraja (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		37.6667;6.8333	6 700 ft
Welayita Awraja, between Lakes Zwai and Margherita (see also: Ualeita, Uolamo, Uollamo, Walamo, Welamo, Welamo Awraja, Wolamo)	Ethiopia		37.6667;6.8333	6 700 ft
Wolamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		37.6667;6.8333	6 700 ft

NE 06037Db:

Abala (see Abela)	Ethiopia		37.8833;6.7000	1481 m
Abela (see also: Abala, Abella)	Ethiopia		37.8833;6.7000	1481 m
Abella (see Abela)	Ethiopia		37.8833;6.7000	1481 m

NE 06037Bc:

Chercha, 8 km S (see Dorse)	Ethiopia		37.5500;6.2667	2923 m
Dorse, 8 km S of Chercha (see also: Chercha, 8 km S, Dorsey)	Ethiopia		37.5500;6.2667	2923 m
Dorsey (see Dorse), 8 km S of Chercha	Ethiopia		37.5500;6.2667	2923 m

NE 06037Bd:

Abaya, lake	Ethiopia		37.9167;6.2500	

NE 06037Ba:

Arba Mench (see Arba Minch')	Ethiopia		37.5500;6.0333	1284 m
Arba Minch' (see also: Arba Mench, Arba Minch, Arba Mintch, Gantar, Minghi)	Ethiopia		37.5500;6.0333	1284 m
Arba Minch (see Arba Minch')	Ethiopia		37.5500;6.0333	1284 m
Arba Mintch (see Arba Minch')	Ethiopia		37.5500;6.0333	1284 m
Chano, 11 km N Arba Minch, W shore of Lake Abaya	Ethiopia	ca.	37.5667;6.1167	1206 m
Forty Springs, Arba Minch, near	Ethiopia		37.6000;6.0333	
Gantar (see Arba Minch')	Ethiopia		37.5500;6.0333	1284 m
Harre river, near Arba Minch	Ethiopia		37.6333;6.0500	
Minghi (see Arba Minch')	Ethiopia		37.5500;6.0333	1284 m
Shigella, near Arba Minch	Ethiopia	ca.	37.5500;6.0333	

NE 06037Bb:

Abaya, lake, West bank	Ethiopia		37.8167;6.2167	
Abaya, W coast lake	Ethiopia		37.8167;6.2167	
Donu river (see Gelana Shet')	Ethiopia		37.9167;6.1167	
Doou river (see Gelana Shet')	Ethiopia		37.9167;6.1167	
Galana river (see Gelana Shet')	Ethiopia		37.9167;6.1167	

Gelana Shet' (see also: Donu river, Doou river, Galana river)	Ethiopia	37.9167;6.1167	

NE 06038Aa:

Bulcha Forest, E of Lake Margherita	Ethiopia	38.1667;6.1833	1800 m

NE 06039Dc:

Harenna Forest	Ethiopia	39.7333;6.7500	2760 m

NE 06040Dd:

Ginir, 25 mi [=40 km] E (see Sof Omar cave)	Ethiopia	40.8450;6.9061	
Omar cave, S of (see Sof Omar cave), 25 mi [=40 km] E Ginir	Ethiopia	40.8450;6.9061	
Sof Omar cave (see also: Ginir, 25 mi [=40 km] E, Omar cave, S of, Sof-Omar)	Ethiopia	40.8450;6.9061	
Sof-Omar (see Sof Omar cave)	Ethiopia	40.8450;6.9061	

NE 06045Cd:

Uardere (see Warder)	Ethiopia	45.3333;6.9667	540 m
Wadere (see Warder)	Ethiopia	45.3333;6.9667	540 m
Wardair (see Warder)	Ethiopia	45.3333;6.9667	540 m
Warder (see also: Uardere, Wadere, Wardair, Werder)	Ethiopia	45.3333;6.9667	540 m
Werder (see Warder)	Ethiopia	45.3333;6.9667	540 m

NW 05010Cc:

Buchanan (see Upper Buchanan)	Liberia	-10.0625;5.9111	65 m
Gran Bassa (see Upper Buchanan)	Liberia	-10.0625;5.9111	65 m
Grand Bassa (see Upper Buchanan)	Liberia	-10.0625;5.9111	65 m
Upper Buchanan (see also: Buchanan, Gran Bassa, Grand Bassa)	Liberia	-10.0625;5.9111	65 m

NW 05009Dc:

Firestone (see also: Firestown, Jida)	Liberia	-9.6333;5.9333	170 m
Firestown (see Firestone)	Liberia	-9.6333;5.9333	170 m
Jida (see Firestone)	Liberia	-9.6333;5.9333	170 m

NW 05009Cb:

Iti	Liberia	-9.3236;5.6157	

NW 05009Aa:

Greenville (see also: Sino, Sinoe, Sinu, Sinu Village)	Liberia	-9.0389;5.0111	0 m
Sino (see Greenville)	Liberia	-9.0389;5.0111	0 m
Sinoe (see Greenville)	Liberia	-9.0389;5.0111	0 m
Sinu (see Greenville)	Liberia	-9.0389;5.0111	0 m
Sinu Village (see Greenville)	Liberia	-9.0389;5.0111	0 m

NW 05008Dc:

Jaoudi, ca 12 mi [=19 km] SSE (see Jarwondee, ca 12 mi [=19 km] SSE), Dugbe river	Liberia	ca. -8.5139;5.9608	
Jarwondee, ca 12 mi [=19 km] SSE, Dugbe river (see also: Jaoudi, ca 12 mi [=19 km] SSE)	Liberia	ca. -8.5139;5.9608	

NW 05008Ca:

Duo Town	Liberia	-8.1000;5.7000	

NW 05008Bd:

Jaurazon (see Juazohn)	Liberia	-8.8456;5.3822	134 m
Jaurzon (see Juazohn)	Liberia	-8.8456;5.3822	134 m

Juarzon (see Juazohn)	Liberia		-8.8456;5.3822	134 m
Juazohn	Liberia		-8.8456;5.3822	134 m
(see also: Jaurazon, Jaurzon, Juarzon)				

NW 05008Bb:

Fanti	Liberia		-8.9639;5.1331	91 m

NW 05008Aa:

Sinoe county	Liberia		-8.0667;5.0333	

NW 05007Cd:

Parc National de Tai	Côte d'Ivoire	ca.	-7.3472;5.8333	
(see also: Taï National Park)				
Taï	Côte d'Ivoire		-7.4553;5.8736	252 m
Taï National Park (see Parc National de Tai)	Côte d'Ivoire	ca.	-7.3472;5.8333	

NW 05007Bd:

Sweaken	Liberia		-7.9519;5.3844	303 m
(see also: Yega Town)				
Yega Town (see Sweaken)	Liberia		-7.9519;5.3844	303 m

NW 05007Ad:

Niébé	Côte d'Ivoire		-7.3000;5.3667	132 m
(see also: Niebe)				
Niebe (see Niébé)	Côte d'Ivoire		-7.3000;5.3667	132 m

NW 05007Bb:

C.L.C. (see Cape Palmas Logging Company)	Liberia		-7.9667;5.1833	
Cape Palmas Logging Company	Liberia		-7.9667;5.1833	
(see also: C.L.C.)				

NW 05006Dd:

Soubré, 10 mi [=16 km] WNW	Côte d'Ivoire		-6.7500;5.8167	
(see also: Soubre, 10 mi WNW)				
Soubre, 10 mi WNW (see Soubré, 10 mi [=16 km] WNW)	Côte d'Ivoire		-6.7500;5.8167	

NW 05006Dc:

Guidéko, Middle Sassandra River basin	Côte d'Ivoire	ca.	-6.6667;5.9167	
Saubre (see Soubré)	Côte d'Ivoire		-6.6069;5.7819	140 m
Soubré	Côte d'Ivoire		-6.6069;5.7819	140 m
(see also: Saubre)				

NW 05005Dc:

Guéboua	Côte d'Ivoire		-5.6892;5.9839	227 m
Lakota, 15 km N	Côte d'Ivoire		-5.6667;5.8333	

NW 05005Cd:

Boudougou (see Divo)	Côte d'Ivoire		-5.3572;5.8374	148 m
Divo	Côte d'Ivoire		-5.3572;5.8374	148 m
(see also: Boudougou)				

NW 05005Ba:

Zébé (see Zegban)	Côte d'Ivoire		-5.5888;5.1637	
Zegban	Côte d'Ivoire		-5.5888;5.1637	
(see also: Zébé, Zegbé)				
Zegbé (see Zegban)	Côte d'Ivoire		-5.5888;5.1637	

NW 05004Cc:

Japo Sud (see Yapo Kra)	Côte d'Ivoire		-4.1333;5.8167	74 m
Yapo Kra	Côte d'Ivoire		-4.1333;5.8167	74 m
(see also: Japo Sud, Yapo Sud, Yapo-Sud)				

Yapo Sud (see Yapo Kra)	Côte d'Ivoire		-4.1333;5.8167	74 m
Yapo-Sud (see Yapo Kra)	Côte d'Ivoire		-4.1333;5.8167	74 m

NW 05004Ca:

Azaguié Makouguié (see also: Macouguié, Makonguine)	Côte d'Ivoire		-4.1667;5.6167	160 m
Macouguié (see Azaguié Makouguié)	Côte d'Ivoire		-4.1667;5.6167	160 m
Makonguine (see Azaguié Makouguié)	Côte d'Ivoire		-4.1667;5.6167	160 m

NW 05004Bc:

Cosrou (see also: Cosru, Kosrou)	Côte d'Ivoire		-4.6614;5.3211	72 m
Cosru (see Cosrou)	Côte d'Ivoire		-4.6614;5.3211	72 m
Kosrou (see Cosrou)	Côte d'Ivoire		-4.6614;5.3211	72 m

NW 05004Ac:

Abidan (see Abidjan)	Côte d'Ivoire		-4.0281;5.3411	74 m
Abidjan (see also: Abidan)	Côte d'Ivoire		-4.0281;5.3411	74 m
Abidjan, 15 km NW	Côte d'Ivoire	ca.	-4.0833;5.3500	
Abidjan, 17 km W	Côte d'Ivoire	ca.	-4.0833;5.3500	
Adiapo-Doumé, near Abidjan (see also: Adiopo Doumé, Adiopodoume, Adiopodoumé)	Côte d'Ivoire		-4.1325;5.3367	73 m
Adiopo Doumé (see Adiapo-Doumé), near Abidjan	Côte d'Ivoire		-4.1325;5.3367	73 m
Adiopodoume (see Adiapo-Doumé)	Côte d'Ivoire		-4.1325;5.3367	73 m
Adiopodoumé (see Adiapo-Doumé), near Abidjan	Côte d'Ivoire		-4.1325;5.3367	73 m
Banco Forest (see Banco, forêt de)	Côte d'Ivoire		-4.0500;5.4167	
Banco, forêt de (see also: Banco Forest)	Côte d'Ivoire		-4.0500;5.4167	
I.D.E.R.T.	Côte d'Ivoire		-4.1167;5.3333	
Jackeville-Bingerville (see Jacqueville-Bingerville, between)	Côte d'Ivoire	ca.	-4.2000;5.2667	
Jacqueville-Bingerville, between (see also: Jackeville-Bingerville)	Côte d'Ivoire	ca.	-4.2000;5.2667	
Lac Lallie (see Lallie, Lake)	Côte d'Ivoire		-4.0000;5.3333	
Lake Lallie (see Lallie, Lake)	Côte d'Ivoire		-4.0000;5.3333	
Lallie, Lake (see also: Lac Lallie, Lake Lallie)	Côte d'Ivoire		-4.0000;5.3333	

NW 05004Bb:

Gboyo village, near Azagny National Park	Côte d'Ivoire		-4.7833;5.2333	

NW 05004Ba:

Anda	Côte d'Ivoire		-4.6500;5.1667	

NW 05004Ab:

Half Jack (see Jacqueville)	Côte d'Ivoire		-4.4122;5.2006	81 m
Jackville (see Jacqueville)	Côte d'Ivoire		-4.4122;5.2006	81 m
Jacqueville (see also: Half Jack, Jackville)	Côte d'Ivoire		-4.4122;5.2006	81 m

NW 05003Bd:

Bingerville	Côte d'Ivoire		-3.8900;5.3558	74 m

NW 05003Ab:

Assine (see Assinie-Mafia)	Côte d'Ivoire		-3.2749;5.1247	
Assini (see Assinie-Mafia)	Côte d'Ivoire		-3.2749;5.1247	
Assinie (see Assinie-Mafia)	Côte d'Ivoire		-3.2749;5.1247	
Assinie-Mafia (see also: Assine, Assini, Assinie, Mafia)	Côte d'Ivoire		-3.2749;5.1247	
Mafia (see Assinie-Mafia)	Côte d'Ivoire		-3.2749;5.1247	

NW 05002Cc:

Akropong	Ghana		-2.1167;5.7500	

NW 05002Da:

Boi-Tano Forest Reserve	Ghana		-2.6167;5.5333	

NW 05002Ca:

Bogoso	Ghana		-2.0167;5.5667	84 m
Bogoso Mines	Ghana		-2.0167;5.5667	

NW 05002Ad:

Esamang, 32 mi [=51.5 km] W (see Prestea, 32 mi [=51.5 km] W)	Ghana		-2.4667;5.3833	
Prestea, 32 mi [=51.5 km] W (see also: Esamang, 32 mi [=51.5 km] W)	Ghana		-2.4667;5.3833	

NW 05002Bb:

Ehania (see also: Ehanina)	Côte d'Ivoire		-2.7667;5.2333	70 m
Ehanina (see Ehania)	Côte d'Ivoire		-2.7667;5.2333	70 m

NW 05002Ab:

Draw River Forest Reserve	Ghana		-2.3333;5.2000	

NW 05001Dd:

Dunkwa	Ghana		-1.7833;5.9667	117 m
Yanfori, near Dukwa	Ghana		-1.7500;5.9833	

NW 05001Cc:

Akim Oda, near (see Oda, near)	Ghana	ca.	-1.0000;5.9167	
Oda, near (see also: Akim Oda, near)	Ghana	ca.	-1.0000;5.9167	

NW 05001Cb:

Bimpong Forest Reserve	Ghana		-1.4667;5.7167	

NW 05001Ad:

Dwokwaa (see Jukwa)	Ghana		-1.3333;5.2667	74 m
Jukwa (see also: Dwokwaa)	Ghana		-1.3333;5.2667	74 m
Pra Suhien Forest Reserve	Ghana		-1.4469;5.3195	

NW 05001Ac:

Mankesim (see also: Mankesin, Mankessim, Nankasi)	Ghana		-1.0167;5.2667	74 m
Mankesim, near (see also: Mankesin, vicinity of)	Ghana	ca.	-1.0167;5.2667	ca. 75 m
Mankesin (see Mankesim)	Ghana		-1.0167;5.2667	74 m
Mankesin, vicinity of (see Mankesim, near)	Ghana	ca.	-1.0167;5.2667	ca. 75 m
Mankessim (see Mankesim)	Ghana		-1.0167;5.2667	74 m
Nankasi (see Mankesim)	Ghana		-1.0167;5.2667	74 m

NW 05001Ab:

Cabo Corso (see Cape Coast)	Ghana		-1.2500;5.1000	0 m
Cape Coast (see also: Cabo Corso, Cape Coast Castle, Igua Ogwa, Ogwa)	Ghana		-1.2500;5.1000	0 m
Cape Coast Castle (see Cape Coast)	Ghana		-1.2500;5.1000	0 m
Dena (see Elmina)	Ghana		-1.3500;5.0833	0 m
Edina (see Elmina)	Ghana		-1.3500;5.0833	0 m

Elemina (see Elmina)	Ghana		-1.3500;5.0833	0 m
Elima and Cape Coast, between	Ghana	ca.	-1.2500;5.0833	
Elmina	Ghana		-1.3500;5.0833	0 m
(see also: Dena, Edina, Elemina, Fort St. George, Saint George Del Mina, St. George d'Elmina)				
Fort St. George (see Elmina)	Ghana		-1.3500;5.0833	0 m
Igua Ogwa (see Cape Coast)	Ghana		-1.2500;5.1000	0 m
Ogwa (see Cape Coast)	Ghana		-1.2500;5.1000	0 m
Saint George Del Mina (see Elmina)	Ghana		-1.3500;5.0833	0 m
Saruwi river	Ghana		-1.3167;5.1000	
(see also: Sirwi river, Suruwi river, Suwi river)				
Sirwi river (see Saruwi river)	Ghana		-1.3167;5.1000	
St. George d'Elmina (see Elmina)	Ghana		-1.3500;5.0833	0 m
Suruwi river (see Saruwi river)	Ghana		-1.3167;5.1000	
Suwi river (see Saruwi river)	Ghana		-1.3167;5.1000	

NW 05001Aa:

Anamabo (see Anomabu)	Ghana		-1.1167;5.1667	0 m
Anamaboe (see Anomabu)	Ghana		-1.1167;5.1667	0 m
Anamabu (see Anomabu)	Ghana		-1.1167;5.1667	0 m
Anamabu Castle (see Anomabu)	Ghana		-1.1167;5.1667	0 m
Anomabo (see Anomabu)	Ghana		-1.1167;5.1667	0 m
Anomabu	Ghana		-1.1167;5.1667	0 m
(see also: Anamabo, Anamaboe, Anamabu, Anamabu Castle, Anomabo, Anomabu Castle, Fort William)				
Anomabu Castle (see Anomabu)	Ghana		-1.1167;5.1667	0 m
Fort William (see Anomabu)	Ghana		-1.1167;5.1667	0 m

NW 05000Dd:

Akim Oda (see Oda)	Ghana		-0.9833;5.9167	218 m
Insuaim (see Oda)	Ghana		-0.9833;5.9167	218 m
Nsuaem (see Oda)	Ghana		-0.9833;5.9167	218 m
Oda	Ghana		-0.9833;5.9167	122 m
(see also: Akim Oda, Insuaim, Nsuaem, Oda Secondary School)				
Oda and Akim, between	Ghana		-0.9167;5.9000	
Oda Secondary School (see Oda)	Ghana		-0.9833;5.9167	122 m

NW 05000Cc:

Aburi	Ghana		-0.1833;5.8500	300 m
(see also: Aburi)				
Aburi Botanic Garden	Ghana		-0.1833;5.8500	300 m
Aburi hills, 10 mi [=16 km] N Legon	Ghana		-0.1830;5.7830	
(see also: Legon, 10 mi [=16 km] N)				
Adawaso (see Adawso)	Ghana		-0.2167;5.9500	148 m
Adawaso, 1 mi [=1.6 km] E	Ghana	ca.	-0.2167;5.9500	
Adawaso, 1.9 mi [=3 km] NW	Ghana	ca.	-0.2167;5.9500	
Adawaso, 4.7 mi [=7.5 km] E	Ghana	ca.	-0.2167;5.9500	
Adawaso, 5.7 mi [=9 km] E	Ghana	ca.	-0.2167;5.9500	
Adawso	Ghana		-0.2167;5.9500	148 m
(see also: Adawaso, Adowso)				
Adowso (see Adawso)	Ghana		-0.2167;5.9500	148 m
Aiyikuma	Ghana		-0.0500;5.9167	43 m
(see also: Ayikuma)				
Ayikuma (see Aiyikuma)	Ghana		-0.0500;5.9167	43 m
Berekuso	Ghana		-0.2167;5.7500	160 m
(see also: Birekuso)				
Berekuso, 1 mi [=1.6 km] N	Ghana		-0.2167;5.7500	160 m
(see also: Birekuso, 1 mi [=1.6 km] N)				
Birekuso (see Berekuso)	Ghana		-0.2167;5.7500	160 m
Birekuso, 1 mi [=1.6 km] N (see Berekuso, 1 mi [=1.6 km] N)	Ghana		-0.2167;5.7500	160 m
Larteh Junction, 2 km from Larteh	Ghana	ca.	-0.0667;5.9000	
(see also: Larteh, 2 km from)				
Larteh, 2 km from (see Larteh Junction)	Ghana	ca.	-0.0667;5.9000	
Larteh, 3 km S	Ghana	ca.	-0.0667;5.9333	
Larteh, 5 km S	Ghana	ca.	-0.0667;5.9333	
Legon, 10 mi [=16 km] N (see Aburi hills)	Ghana		-0.1830;5.7830	
Mamfe	Ghana		-0.1167;5.9330	424 m

Tinkon, 3 mi [=4.8 km] NW (see Tinkong, 3 mi [=4.8 km] NW)	Ghana	ca.	-0.2333;5.9833	171 m
Tinkong, 3 mi [=4.8 km] NW (see also: Tinkon, 3 mi [=4.8 km] NW)	Ghana	ca.	-0.2333;5.9833	171 m
Tutu	Ghana		-0.1500;5.8833	305 m

NW 05000Cb:

Accra, 9 mi [=14.5 km] NE	Ghana		-0.2500;5.5500	
Accra-Kade Road	Ghana		-0.2500;5.5500	
Nuanga Road	Ghana		-0.2500;5.5500	
Weija	Ghana		-0.3333;5.5667	74 m

NW 05000Ca:

Abokobi	Ghana		-0.2000;5.7333	70 m
Accra (see also: Akra)	Ghana		-0.2167;5.5500	98 m
Accra, 9 mi [=14.5 km] NNE (see Legon)	Ghana		-0.1833;5.6500	30 m
Achimota, between Legon and Accra (see also: Achimota College, Achimota Village, Archimota)	Ghana		-0.2333;5.6167	82 m
Achimota College (see Achimota)	Ghana		-0.2333;5.6167	82 m
Achimota Forest Reserve	Ghana		-0.2000;5.6670	
Achimota Village (see Achimota)	Ghana		-0.2333;5.6167	82 m
Achwerase, Aburi, near, concrete culvert in a forest	Ghana		-0.1833;5.6500	
Akra (see Accra)	Ghana		-0.2167;5.5500	98 m
Archimota (see Achimota), between Legon and Accra	Ghana		-0.2333;5.6167	82 m
Kwabenya, Legon, near Accra	Ghana		-0.2453;5.6883	88 m
Legion (see Legon), 9 mi [=14.5 km] NNE Accra	Ghana		-0.1833;5.6500	30 m
Legon, 9 mi [=14.5 km] NNE Accra (see also: Accra, 9 mi [=14.5 km] NNE, Legion, Legon University, University of Ghana)	Ghana		-0.1833;5.6500	30 m
Legon University (see Legon)	Ghana		-0.1833;5.6500	75 m
Legon, 1 mi [=1.6 km] N	Ghana	ca.	-0.1833;5.6500	
Nungoa (see Nungua)	Ghana		-0.0667;5.6000	0 m
Nungua (see also: Nungoa, Nungwa)	Ghana		-0.0667;5.6000	0 m
Nungwa (see Nungua)	Ghana		-0.0667;5.6000	0 m
Tassi (see Teshi)	Ghana		-0.1000;5.5833	68 m
Teshi (see also: Tassi, Teshie)	Ghana		-0.1000;5.5833	68 m
Teshie (see Teshi)	Ghana		-0.1000;5.5833	68 m
University of Ghana (see Legon)	Ghana		-0.1833;5.6500	75 m

NW 05000Bd:

Gold Coast (see also: Goldküste)	Ghana	ca.	-0.7500;5.3333	
Goldküste (see Gold Coast)	Ghana	ca.	-0.7500;5.3333	
Takwa Mines	Ghana		-0.8500;5.4667	74 m

NW 05000Bc:

Simpa (see Winneba)	Ghana		-0.6167;5.3333	0 m
Winneba (see also: Simpa, Winnebah)	Ghana		-0.6167;5.3333	0 m
Winnebah (see Winneba)	Ghana		-0.6167;5.3333	0 m

NE 05000Cc:

Doyum (see also: Doyumu)	Ghana		0.0167;5.9000	46 m
Doyumu (see Doyum)	Ghana		0.0167;5.9000	46 m
Magazine	Ghana	ca.	0.0833;5.8333	
Magazine, hill top near	Ghana	ca.	0.0833;5.8333	
Shai Hills	Ghana		0.0614;5.9084	
Shai Hills Game Reserve (see also: Shai Hills Resource Reserve)	Ghana		0.0667;5.9500	
Shai Hills Resource Reserve (see Shai Hills Game Reserve)	Ghana		0.0667;5.9500	
Shai Hills Resources Reserve, North End	Ghana		0.0667;5.9500	

NE 05000Dd:

Keta	Ghana		0.9833;5.9167	48 m
(see also: Kitta, Kwitta, Quittah)				
Kitta (see Keta)	Ghana		0.9833;5.9167	48 m
Kwitta (see Keta)	Ghana		0.9833;5.9167	48 m
Quittah (see Keta)	Ghana		0.9833;5.9167	48 m

NE 05007Cb:

Umuahia, Umdike	Nigeria		7.4833;5.5333	151 m
(see also: Umuahia Ibeku)				
Umuahia Ibeku (see Umuahia), Umdike	Nigeria		7.4833;5.5333	151 m

NE 05008Dd:

Nsanakang	Cameroon		8.9833;5.8833	137 m
(see also: Nsankang, Nsannakang)				
Nsankang (see Nsanakang)	Cameroon		8.9833;5.8833	137 m
Nsannakang (see Nsanakang)	Cameroon		8.9833;5.8833	137 m

NE 05008Da:

Oban hills	Nigeria		8.5833;5.5000	

NE 05008Db:

Ayip Eku [estate]	Nigeria		8.7500;5.5833	

NE 05008Bc:

Oban	Nigeria		8.5667;5.3167	302 m
Oban, 14 mi [=22.5 km] S	Nigeria	ca.	8.5667;5.3167	

NE 05008Aa:

Alimbo Ferry Road, near Calabar	Nigeria		8.0000;5.0000	
Calabar, 15 mi [=24 km] N	Nigeria		8.2000;5.2167	

NE 05008Ab:

Adiabo Ikot Mbo, Calabar	Nigeria		8.3253;5.0556	
(see also: Ikot Mbo, Ikotmbo)				
Ikot Mbo (see Adiabo Ikot Mbo), Calabar	Nigeria		8.3253;5.0556	
Ikotmbo (see Adiabo Ikot Mbo), Calabar	Nigeria		8.3253;5.0556	
Odukpani	Nigeria		8.3394;5.1319	

NE 05008Bb:

Korup Forest Reserve (see Korup National Park)	Cameroon	ca.	8.8934;5.2014	
Korup National Park	Cameroon	ca.	8.8934;5.2014	
(see also: Korup Forest Reserve)				
Mana Bridge (see Mana Suspension Bridge)	Cameroon		8.8714;5.0079	
Mana Suspension Bridge	Cameroon		8.8714;5.0079	
(see also: Mana Bridge)				

NE 05009Cd:

Eshobe (see Eshobi)	Cameroon		9.3833;5.7833	538 m
Eshobi	Cameroon		9.3833;5.7833	538 m
(see also: Eshobe)				
Mamfe	Cameroon		9.2833;5.7667	459 m
(see also: Ossidinge, Ossidingi)				
Mamfe, 12 km SE	Cameroon	ca.	9.3000;5.7833	
Ossidinge (see Mamfe)	Cameroon		9.3000;5.7833	133 m
Ossidingi (see Mamfe)	Cameroon		9.3000;5.7833	133 m

NE 05009Ca:

Mangamba [Big Farm]	Cameroon		9.0000;5.5000	

NE 05009Cb:

Besogabang	Cameroon		9.2833;5.7333	550 m
Dikumé-Balué, Camp V	Cameroon		9.2500;5.5000	
Mamfe, 15 km SE	Cameroon	ca.	9.3791;5.6708	

NE 05009Ac:

Bake river bridge, 1 km S, 4.25 km W Baro (see also: Baro, 1 km S, 4.25 km W)	Cameroon		9.2167;5.2667	
Baro	Cameroon		9.2167;5.2500	
Baro, 1 km S, 4.25 km W (see Bake river bridge)	Cameroon		9.2167;5.2667	

NE 05009Bb:

Lake Manenguba	Cameroon	ca.	9.8333;5.0000	
Manengouba mountains (see also: Manenguba mountains, Mont Manengouba, Mount Manengouba)	Cameroon	ca.	9.8333;5.0000	ca. 1000 m
Manengouba, lake (see also: Manenguba, lake)	Cameroon	ca.	9.8333;5.0000	
Manenguba mountains (see Manengouba mountains)	Cameroon	ca.	9.8333;5.0000	ca. 1000 m
Manenguba, lake (see Manengouba, lake)	Cameroon	ca.	9.8333;5.0000	
Mont Manengouba (see Manengouba mountains)	Cameroon	ca.	9.8333;5.0000	1000 m
Mount Manengouba (see Manengouba mountains)	Cameroon	ca.	9.8333;5.0000	1000 m

NE 05010Cc:

Bamenda	Cameroon		10.1667;5.9333	1614 m
Bamenda, 14 km E	Cameroon	ca.	10.1667;5.9500	
Metchum River, 10 km E Gwofong	Cameroon	ca.	10.1167;5.9333	

NE 05010Cb:

Mbouda, 15 km SSE	Cameroon	ca.	10.2500;5.6333	

NE 05010Da:

Kounden	Cameroon		10.6667;5.7000	1326 m

NE 05010Db:

Koundja (see also: Kounja, Kundja)	Cameroon		10.7500;5.6167	1182 m
Kounja (see Koundja)	Cameroon		10.7500;5.6167	1182 m
Koutaba	Cameroon		10.8167;5.7000	1113 m
Kundja (see Koundja)	Cameroon		10.7500;5.6167	

NE 05010Ab:

Bana	Cameroon		10.2667;5.1500	1486 m

NE 05011Cc:

Bali	Cameroon		11.0167;5.8833	1415 m

NE 05011Ad:

Bukamba (see Ngoumé)	Cameroon		11.4000;5.4833	681 m
Mbonde Pygmee, N of Bafia	Cameroon	ca.	11.2667;5.3667	
Ngome's (see Ngoumé)	Cameroon		11.4000;5.4833	681 m
Ngoumé (see also: Bukamba, Ngome's)	Cameroon		11.4000;5.4833	681 m

NE 05012Cb:

Joko, 34 km S (see Yoko, 34 km S)	Cameroon		12.3000;5.5167	
Yoko, 15 km S	Cameroon	ca.	12.3167;5.5333	
Yoko, 34 km S (see also: Joko, 34 km S)	Cameroon		12.3000;5.5167	
Yoko, 5 km from	Cameroon	ca.	12.3167;5.5333	

NE 05012Ad:

Yoko, 5 km S	Cameroon		12.3333;5.4667	

NE 05015Dc:

Bouar (see also: Buar)	Central African Republic		15.6000;5.9500	1046 m
Buar (see Bouar)	Central African Republic		15.6000;5.9500	1046 m

NE 05018Ab:

Bangui, 120 km N (see Bozo)	Central African Republic		18.4789;5.1406	
Bozo, 120 km N Bangui (see also: Bangui, 120 km N, Gordil III)	Central African Republic		18.4789;5.1406	

NE 05019Cd:

Kémo-Gribingui prefecture	Central African Republic	ca.	19.4010;5.8838	

NE 05019Dd:

Haute Kemo (see Kemo River, upper)	Central African Republic	ca.	19.7500;5.7500	
Kemo River, upper (see also: Haute Kemo)	Central African Republic	ca.	19.7500;5.7500	

NE 05020Dc:

Bambari, 300 km NE Bangui (see also: Bangui, 300 km NE)	Central African Republic		20.6757;5.7679	465 m
Bangui, 300 km NE (see Bambari)	Central African Republic		20.6757;5.7679	465 m

NE 05027Aa:

Niam-Niam	Congo (Democratic Republic of the)		27.1167;5.0500	
Semmio (see Zemio), Niam-Niam	Congo (Democratic Republic of the)		27.1167;5.0500	
Semnio (see Zemio)	Congo (Democratic Republic of the)		27.1167;5.0500	
Zemio (see also: Semmio, Semnio)	Congo (Democratic Republic of the)		27.1167;5.0500	

NE 05030Cb:

Amadi	South Sudan		30.3358;5.5158	485 m

NE 05030Ad:

Juba, 100 mi [=160 km] NW (see Mundri)	South Sudan		30.2500;5.4000	580 m
Mandri (see Mundri), 100 mi. NW of Juba, 500 mi. E of Wau	South Sudan		30.2500;5.4000	580 m
Mundri, 100 mi. NW of Juba, 500 mi. E of Wau (see also: Juba, 100 mi [=160 km] NW, Mandri, Wau, 500 mi [=800 km] E)	South Sudan		30.2500;5.4000	580 m
Wau, 500 mi [=800 km] E (see Mundri)	South Sudan		30.2500;5.4000	580 m

NE 05031Dd:

Gemeiza	South Sudan		31.8333;5.8333	

NE 05031Bd:

Keiro (see also: Kiro, Sim Sima, Simsima)	South Sudan		31.7561;5.3300	439 m
Kiro (see Keiro)	South Sudan		31.7561;5.3300	439 m
Sim Sima (see Keiro)	South Sudan		31.7561;5.3300	439 m

Simsima (see Keiro)	South Sudan	31.7561;5.3300	439 m
Tarakaka (see Terakeka)	South Sudan	31.7539;5.4519	436 m
Terakeka (see also: Tarakaka, Terrakekka, Terrakka)	South Sudan	31.7539;5.4519	436 m
Terrakekka (see Terakeka)	South Sudan	31.7539;5.4519	436 m
Terrakka (see Terakeka)	South Sudan	31.7539;5.4519	436 m

NE 05031Ba:

Jabal Lado (see Lado)	South Sudan	31.5847;5.1033	
Jebel Nirkenyi (see Lado)	South Sudan	31.5847;5.1033	
Lado (see also: Jabal Lado, Jebel Nirkenyi, Lado, Jabal, Lado, mount, Mount Lado, Nirkenyi, Jebel)	South Sudan	31.6853;5.0339	448 m
Lado, Jabal (see Lado)	South Sudan	31.5847;5.1033	
Lado, mount (see Lado)	South Sudan	31.5847;5.1033	
Mount Lado (see Lado)	South Sudan	31.5847;5.1033	
Nirkenyi, Jebel (see Lado)	South Sudan	31.5847;5.1033	

NE 05031Bb:

Gondokoro, 25 mi [=40 km] N (see Mongalla)	South Sudan	31.7500;5.1825	466 m
Mangala (see Mongalla), 25 mi [=37.5 km] N Gondokoro	South Sudan	31.7500;5.1825	466 m
Manqalah (see Mongalla)	South Sudan	31.7500;5.1825	466 m
Mongala (see Mongalla)	South Sudan	31.7500;5.1825	466 m
Mongalla (see also: Gondokoro, 25 mi [=40 km] N, Mangala, Manqalah, Mongala, Monqala)	South Sudan	31.7500;5.1825	466 m
Monqala (see Mongalla)	South Sudan	31.7500;5.1825	466 m

NE 05032Ab:

Lafon (see also: Lafoon)	South Sudan	32.4500;5.0333	604 m
Lafoon (see Lafon)	South Sudan	32.4500;5.0333	604 m

NE 05033Dd:

Djebel Kathangor (see Kathangor, Jabal)	South Sudan	33.9833;5.7500	
Djebel Katherr (see Kathangor, Jabal)	South Sudan	33.9833;5.7500	
Jabal Kathangor (see Kathangor, Jabal)	South Sudan	33.9833;5.7500	
Jebel Kasangor (see Kathangor, Jabal)	South Sudan	33.9833;5.7500	
Kasangor, Jebel (see Kathangor, Jabal)	South Sudan	33.9833;5.7500	
Kathangor, Djebel (see Kathangor, Jabal)	South Sudan	33.9833;5.7500	
Kathangor, Jabal (see also: Djebel Kathangor, Djebel Katherr, Jabal Kathangor, Jebel Kasangor, Kasangor, Jebel, Kathangor, Djebel, Katherr, Katherr, Djebel)	South Sudan	33.9833;5.7500	
Katherr (see Kathangor, Jabal)	South Sudan	33.9833;5.7500	
Katherr, Djebel (see Kathangor, Jabal)	South Sudan	33.9833;5.7500	

NE 05034Ba:

Loelli (pools), 170 mi [=275 km] ENE Torit (see also: Torit, 275 km ENE)	South Sudan	34.5833;5.0833	
Torit, 275 km ENE (see Loelli (pools))	South Sudan	34.5833;5.0833	

NE 05036Bc:

Afallo, 20 km NE (see Challa, mount)	Ethiopia	36.5667;5.3833	2100 m
Chalia, mount (see Challa, mount), 20 km NE Afallo	Ethiopia	36.5667;5.3833	2100 m
Challa, mount, 20 km NE Afallo (see also: Afallo, 20 km NE, Chalia, mount, Gebel Challa, Mount Chalia, Mount Challa)	Ethiopia	36.5667;5.3833	2100 m
Gebel Challa (see Challa, mount), 20 km NE Afallo	Ethiopia	36.5667;5.3833	2100 m
Mount Chalia (see Challa, mount), 20 km NE Afallo	Ethiopia	36.5667;5.3833	2100 m
Mount Challa (see Challa, mount), 20 km NE Afallo	Ethiopia	36.5667;5.3833	2100 m

NE 05037Dc:

Ch'amo Hayk' (see also: Chama, lake, Chamo, lake, Ciamò, lago, Gangiule, Lake Chama, Lake Chamo, Lake Ruspoli, Lake Shamo, Ruspoli, lake, Shamo, lake)	Ethiopia		37.5500;5.8333	
Chama, lake (see Ch'amo Hayk')	Ethiopia		37.5500;5.8333	
Chamo, lake (see Ch'amo Hayk')	Ethiopia		37.5500;5.8333	
Chamo, S bank of lake	Ethiopia		37.5333;5.8333	
Ciamò, lago (see Ch'amo Hayk')	Ethiopia		37.5500;5.8333	
Gangiule (see Ch'amo Hayk')	Ethiopia		37.5500;5.8333	
Lake Chama (see Ch'amo Hayk')	Ethiopia		37.5500;5.8333	
Lake Chamo (see Ch'amo Hayk')	Ethiopia		37.5500;5.8333	
Lake Ruspoli (see Ch'amo Hayk')	Ethiopia		37.5500;5.8333	
Lake Shamo (see Ch'amo Hayk')	Ethiopia		37.5500;5.8333	
Nechisar National Park	Ethiopia		37.6772;5.9401	
Ruspoli, lake (see Ch'amo Hayk')	Ethiopia		37.5500;5.8333	
Shamo, lake (see Ch'amo Hayk')	Ethiopia		37.5500;5.8333	

NE 05037Dd:

Chamo, NE of lake	Ethiopia		37.9167;5.9667	

NE 05037Cb:

Afeworks Farm (see Gidole)	Ethiopia		37.4667;5.6333	
Ghidole (see Gidole)	Ethiopia		37.3667;5.6500	2044 m
Ghidolie (see Gidole)	Ethiopia		37.3667;5.6500	2044 m
Gidole (see also: Afeworks Farm, Ghidole, Ghidolie, Gidole)	Ethiopia		37.3667;5.6500	2044 m
Gidole (see Gidole)	Ethiopia		37.3667;5.6500	2044 m

NE 05037Bc:

Kulfo river, Nechisar National Park	Ethiopia		37.5833;5.3333	
Saati, near Dogali	Ethiopia	ca.	37.5500;5.3330	
Sorobo	Ethiopia	ca.	37.5167;5.4250	

NE 05038Aa:

Iavello, 25 km N (see Yabelo, 25 km N)	Ethiopia		38.2000;5.0500	
Yabalo, 25 km N (see Yabelo, 25 km N)	Ethiopia		38.2000;5.0500	
Yabelo, 25 km N (see also: Iavello, 25 km N, Yabalo, 25 km N, Yavello, 25 km N, Yavelo, 25 km N, Yeabelo, 25 km N)	Ethiopia		38.2000;5.0500	
Yavello, 25 km N (see Yabelo, 25 km N)	Ethiopia		38.2000;5.0500	
Yavelo, 25 km N (see Yabelo, 25 km N)	Ethiopia		38.2000;5.0500	
Yeabelo, 25 km N (see Yabelo, 25 km N)	Ethiopia		38.2000;5.0500	

NE 05039Dc:

Sidam-Bale bridge	Ethiopia		39.6161;5.7524	

NE 05039Dd:

Sidon	Ethiopia		39.8333;5.7500	

NE 05039Bc:

Nagele (see Negele)	Ethiopia		39.5833;5.3167	1533 m
Negele (see also: Nagele, Negelie, Negelle, Negelli, Neghelle, Neghelli)	Ethiopia		39.5833;5.3167	1533 m
Negelie (see Negele)	Ethiopia		39.5833;5.3167	1533 m
Negelle (see Negele)	Ethiopia		39.5833;5.3167	1533 m
Negelli (see Negele)	Ethiopia		39.5833;5.3167	1533 m
Neghelle (see Negele)	Ethiopia		39.5833;5.3167	1533 m
Neghelli (see Negele)	Ethiopia		39.5833;5.3167	1533 m

NE 05040Ac:

Negele, 74 km N (see also: Negelli, 74 km N)	Ethiopia		40.2000;5.2830	
Negelli, 74 km N (see Negele, 74 km N)	Ethiopia		40.2000;5.2830	

NE 05041Ba:

Lado	Ethiopia		41.6833;5.0333	

NW 04008Dc:

Bendo (see Nanakru)	Liberia		-8.7261;4.8306	66 m
Great Nanakru (see Nanakru)	Liberia		-8.7261;4.8306	66 m
Great Nanna Kru (see Nanakru)	Liberia		-8.7261;4.8306	66 m
Nanakru (see also: Bendo, Great Nanakru, Great Nanna Kru, Nankano, Nanna Kru)	Liberia		-8.7261;4.8306	66 m
Nankano (see Nanakru)	Liberia		-8.7261;4.8306	66 m
Nanna Kru (see Nanakru)	Liberia		-8.7261;4.8306	66 m

NW 04008Cc:

Barclay, mount	Liberia		-8.1667;4.8000	

NW 04007Bc:

Cape Palmas (see Harper)	Liberia		-7.7169;4.3750	59 m
Cape Palmas, near	Liberia	ca.	-7.7169;4.3750	
Harper (see also: Cape Palmas)	Liberia		-7.7169;4.3750	59 m

NW 04002Cc:

Adiembra (see Ajemra)	Ghana		-2.1833;4.8167	0 m
Agyembra (see Ajemra)	Ghana		-2.1833;4.8167	0 m
Ajemera (see Ajemra)	Ghana		-2.1833;4.8167	0 m
Ajemra (see also: Adiembra, Agyembra, Ajemera, Egyambra)	Ghana		-2.1833;4.8167	0 m
Anima Krom (see Animakrom), 6 mi [=9.7 km] N Princess Town	Ghana		-2.0794;4.8367	73 m
Animakrom, 6 mi [=9.7 km] N Princess Town (see also: Anima Krom, Princess Town, 6 mi [=9.7 km] N)	Ghana		-2.0794;4.8367	73 m
Axim	Ghana		-2.2414;4.8683	70 m
Egyambra (see Ajemra)	Ghana		-2.1833;4.8167	0 m
Fort Bladenburg (see Princes Town)	Ghana		-2.1344;4.7933	0 m
Prince (see Princes Town)	Ghana		-2.1344;4.7933	0 m
Princes Town (see also: Fort Bladenburg, Prince, Princes Town, 7 mi [=11.3 km] N)	Ghana		-2.1344;4.7933	0 m
Princes Town, 7 mi [=11.3 km] N (see Princes Town) (see also: Prince's Town, 7 mi [=11.3 km] N)	Ghana	ca.	-2.1414;4.8956	0 m
Prince's Town, 7 mi [=11.3 km] N (see Princes Town, 7 mi [=11.3 km] N)	Ghana	ca.	-2.1414;4.8956	
Princess Town, 6 mi [=9.7 km] N (see Animakrom)	Ghana		-2.0794;4.8367	73 m

NW 04001Dd:

Bootry (see Butre)	Ghana		-1.9167;4.8167	0 m
Boutry River (see Butre)	Ghana		-1.9167;4.8167	0 m
Butre (see also: Bootry, Boutry River, Butrl)	Ghana		-1.9167;4.8167	0 m
Butrl (see Butre)	Ghana		-1.9167;4.8167	0 m
Efeipo Krom	Ghana		-1.8667;4.9500	
Takoradi	Ghana		-1.7500;4.8833	

NW 04001Dc:

Sekondi	Ghana		-1.7000;4.9333	0 m

NE 04006Db:

Elem Kalabari	Nigeria		6.9758;4.5742	380 m
(see also: Old Calabar)				
Old Calabar (see Elem Kalabari)	Nigeria		6.9758;4.5742	380 m

NE 04008Cd:

Calabar	Nigeria		8.3167;4.9500	97 m
Old Calabar	Nigeria		8.3667;4.9333	
Old Calabar river	Nigeria		8.2667;4.9000	

NE 04008Dc:

Ikang	Nigeria		8.5317;4.7897	19 m
Ndian River	Cameroon		8.7333;4.7500	

NE 04008Dd:

Indian division (see Ndian division)	Cameroon	ca.	8.8333;4.8333	
Ndian division	Cameroon	ca.	8.8333;4.8333	
(see also: Indian division)				

NE 04008Bd:

Bota, 48 km W (see Idenao)	Cameroon		8.9167;4.2500	

NE 04008Bb:

Bibundi	Cameroon		8.9833;4.2167	0 m
Idenau, 48 km W Bota	Cameroon		8.9833;4.2333	38 m
Isobi	Cameroon		8.9924;4.1207	56 m
(see also: Isolwe, Isove)				
Isolwe (see Isobi)	Cameroon		8.9924;4.1207	56 m
Isove (see Isobi)	Cameroon		8.9924;4.1207	56 m

NE 04009Cc:

Bisoro Balve (see Bissoro)	Cameroon		9.1736;4.7555	435 m
Bissoro	Cameroon		9.1736;4.7555	435 m
(see also: Bisoro Balve)				
Rumpi highlands (see Rumpi Hills)	Cameroon		9.1731;4.8323	
Rumpi Hills	Cameroon		9.1731;4.8323	
(see also: Rumpi highlands, Rumysi Hilus)				
Rumysi Hilus (see Rumpi Hills)	Cameroon		9.1731;4.8323	

NE 04009Cd:

Banga Bakundu	Cameroon	ca.	9.3333;4.8333	
Kumba division (see Meme division)	Cameroon		9.3333;4.8333	
Meme division	Cameroon		9.3333;4.8333	
(see also: Kumba division)				

NE 04009Dc:

Camp II	Cameroon	ca.	9.7167;4.7833	1100 m
Esosoung (see Essosong)	Cameroon		9.7303;4.8603	912 m
Essosong	Cameroon		9.7303;4.8603	912 m
(see also: Esosoung)				
Kupe (see Mount Koupé)	Cameroon		9.7081;4.8014	
Kupé, Mount (see Mount Koupé)	Cameroon		9.7081;4.8014	
Mount Koupé	Cameroon		9.7081;4.8014	
(see also: Kupe, Kupé, Mount, Mount Kupé)				
Mount Kupé (see Mount Koupé)	Cameroon		9.7081;4.8014	
(see also: Koupé, Mount)				
Nyasoso (see Nyassosso)	Cameroon		9.6819;4.8283	1078 m
Nyassosso	Cameroon		9.6819;4.8283	1078 m
(see also: Nyasoso)				
Tombel	Cameroon		9.6728;4.7517	593 m

NE 04009Ca:

Mbongé (see also: M'bonge)	Cameroon	9.1111;4.5364	0 m
M'bonge (see Mbongé)	Cameroon	9.1111;4.5364	0 m

NE 04009Cb:

Baromb Kang, 4 mi S Kumba (see also: Kumba, 4 mi [=6.4 km] S, Kumba, 6 km S)	Cameroon	9.4558;4.6111	
Barombi Fishing Village	Cameroon	9.4000;4.6500	288 m
Barombi, Lake (see also: Barombi-Mbo, lake, Lake Barombi, Lake Barombi-Mbo)	Cameroon	9.4167;4.6500	457 m
Barombi, south shore lake (see also: Lake Barombi, south shore)	Cameroon	9.4167;4.6500	
Barombi, west side lake (see also: Lake Barombi, west side)	Cameroon	9.4167;4.6500	
Barombi-Mbo Lake shore, 46 mi [=74 km] ???	Cameroon	9.3897;4.6744	288 m
Barombi-Mbo, lake (see Barombi, Lake)	Cameroon	9.4167;4.6500	457 m
Basal Mission	Cameroon	9.4333;4.6500	243 m
Kloa	Cameroon	9.4333;4.6500	
Kumba	Cameroon	9.4386;4.6439	257 m
Kumba, 15 km S	Cameroon	9.4333;4.6500	
Kumba, 19 km S	Cameroon	9.4167;4.6333	
Kumba, 35 km W, 4 km N (see Ongoo)	Cameroon	9.4167;4.6500	
Kumba, 4 mi [=6.4 km] S (see Baromb Kang)	Cameroon	9.4167;4.6500	549 m
Kumba, 6 km S (see Baromb Kang)	Cameroon	9.4167;4.6500	549 m
Lake Barombi (see Barombi, Lake)	Cameroon	9.4167;4.6500	457 m
Lake Barombi, south shore (see Barombi, south shore lake)	Cameroon	9.4167;4.6500	
Lake Barombi, west side (see Barombi, west side lake)	Cameroon	9.4167;4.6500	
Lake Barombi-Mbo (see Barombi, Lake)	Cameroon	9.4167;4.6500	457 m
Lake Baromi, Johan-Albrechtshöhe	Cameroon	9.3833;4.6333	210 m
Ongoo, 35 km W, 4 km N Kumba (near Mukono) (see also: Kumba, 35 km W, 4 km N)	Cameroon	9.4167;4.6500	

NE 04009Da:

Kumba, 5 mi [=8 km] SE (see Mukonje)	Cameroon	9.5000;4.6000	250 m
Moukonyé (see Mukonje)	Cameroon	9.5050;4.5839	113 m
Mukonje, 5 mi [=8 km] SE Kumba (see also: Kumba, 5 mi [=8 km] SE, Moukonyé, Mukonye)	Cameroon	9.5050;4.5839	113 m
Mukonye (see Mukonje)	Cameroon	9.5050;4.5839	113 m

NE 04009Ac:

Bova Village, 4 km N Buéa Station (see also: Buéa Station, 4 km N)	Cameroon	9.2153;4.4358	354 m
Buéa station, 30 km N (see Mawutu Village)	Cameroon	9.2000;4.4000	
Idenao, 48 km W Bota (see also: Bota, 48 km W)	Cameroon	9.0472;4.2642	531 m
Mawoutou Village (see Mawutu Village), 30 km N Buéa station	Cameroon	9.2000;4.4000	
Mawutu Village, 30 km N Buéa station, 30 km N C39 (see also: Buéa station, 30 km N, Mawoutou Village)	Cameroon	9.2000;4.4000	
Mueli	Cameroon	9.1167;4.3833	600 m

NE 04009Ad:

Barombi, SE shore lake (see also: Lake Barombi, SE shore)	Cameroon	9.2500;4.4500	
Buéa Station, 30 mi [=48 km] N (see Muyuka)	Cameroon	9.4056;4.2972	43 m
Buea station, 40 km N	Cameroon	9.4000;4.2667	
Buéa station, 40 km N (see Meanja)	Cameroon	9.4000;4.2667	
Buéa, 48 km N (see Muyuka)	Cameroon	9.4000;4.2500	
Ekona, Chop farm (see also: Ekowa)	Cameroon	9.3167;4.2500	1067 m
Ekowa (see Ekona)	Cameroon	9.3167;4.2500	1067 m
Lake Barombi, SE shore (see Barombi, SE shore lake)	Cameroon	9.2500;4.4500	

Lower Ekona	Cameroon		9.4000;4.2500	
Malende Swamp area	Cameroon		9.4333;4.3500	ca. 50 m
Mayuka (see Muyuka)	Cameroon		9.4056;4.2972	43 m
Meanja, 40 km N Buéa station (see also: Buéa station, 40 km N)	Cameroon		9.3922;4.2731	66 m
Mouyouka (see Muyuka), 48 km N Buéa	Cameroon		9.4056;4.2972	43 m
Muéa (see Muyuka)	Cameroon		9.4056;4.2972	43 m
Muyuka, 48 km N Buéa (see also: Buéa Station, 30 mi [=48 km] N, Buéa, 48 km N, Mayuka, Mouyouka, Muéa, Muyuna Town)	Cameroon		9.4056;4.2972	43 m
Muyuna Town (see Muyuka)	Cameroon		9.4056;4.2972	43 m

NE 04009Bd:

Jabassi (see Yabassi)	Cameroon		9.9656;4.4544	16 m
Yabasi (see Yabassi)	Cameroon		9.9656;4.4544	16 m
Yabassi (see also: Jabassi, Yabasi, Yabazi)	Cameroon		9.9656;4.4544	16 m
Yabazi (see Yabassi)	Cameroon		9.9656;4.4544	16 m

NE 04009Aa:

Batoke, near Bota (see also: Batoki)	Cameroon		9.1010;4.0303	79 m
Batoki (see Batoke), near Bota	Cameroon		9.1010;4.0303	79 m
Bokwango, near Buéa	Cameroon		9.2244;4.1386	877 m
Bokwango, near	Cameroon	ca.	9.2244;4.1386	
Bota	Cameroon		9.1875;4.0286	109 m
Boteke Village, 3 km S Buéa Station (see also: Buéa Station, 3 km S)	Cameroon		9.2000;4.1000	
Buéa (see also: Buea, Buéa town forest, Mountain Hut 1)	Cameroon		9.2367;4.1594	
Buea (see Buéa)	Cameroon		9.2367;4.1594	
Buéa Station area	Cameroon		9.2167;4.1167	
Buéa station, 2 km S (see Small Soppo [forest])	Cameroon		9.2000;4.1167	
Buéa Station, 2 km W	Cameroon		9.2000;4.1500	
Buéa Station, 3 km S (see Boteke Village)	Cameroon		9.2000;4.1000	
Buéa Station, 3 km SW	Cameroon		9.2000;4.1333	
Buéa Station, 4 km N (see Bova Village)	Cameroon		9.2000;4.1667	
Buéa town forest (see Buéa)	Cameroon		9.2367;4.1594	
Buéa West Farm	Cameroon		9.2167;4.1500	
Buéa, 16 km N (see CDC Banana Research Station)	Cameroon		9.2167;4.1500	
Buéa, near	Cameroon		9.2000;4.1500	1050 m
Bunduma Village, 4 km N Buéa Station	Cameroon		9.2167;4.1833	
Buta	Cameroon		9.1500;4.0100	
Cameroon Mountain cave	Cameroon		9.2167;4.1500	1200 m
Camp III, near Buéa	Cameroon	ca.	9.2167;4.1500	1200 m
CDC Banana Research Station, 16 km N Buéa (see also: Buéa, 16 km N)	Cameroon		9.2167;4.1500	
CDC Rest House (see Victoria)	Cameroon		9.2000;4.0000	
Great Sopo (see also: Great Soppo Forest)	Cameroon		9.2428;4.1547	824 m
Great Soppo Forest (see Great Sopo)	Cameroon		9.2428;4.1547	824 m
Gwando	Cameroon		9.2000;4.1500	1067 m
Isongo (see also: Izongo, Port Isongo)	Cameroon		9.0239;4.0789	5 m
Izongo (see Isongo)	Cameroon		9.0239;4.0789	5 m
Likoko Mimbia, near Buea (see also: Likoko Village)	Cameroon		9.2275;4.1448	
Likoko Village (see Likoko Mimbia), near Buea	Cameroon		9.2275;4.1448	
Limbe, near Victoria (see also: Victoria)	Cameroon		9.2203;4.0128	136 m
Mobange-Isongo (see also: Mubange, Mubenge)	Cameroon		9.0000;4.0833	0 m
Moliko, CDC Banana plantation	Cameroon		9.2000;4.1500	
Moliwe, 11.3 km N of Victoria (see also: Victoria, 11.3 km N)	Cameroon		9.2467;4.0665	174 m
Mount Cameroon	Cameroon		9.1833;4.2000	1768 m
Mount Cameroon, south side	Cameroon	ca.	9.0833;4.0500	750 m
Mountain Hut 1 (see Buéa)	Cameroon		9.2000;4.1500	
Mubange (see Mobange-Isongo)	Cameroon		9.0000;4.0833	0 m
Mubenge (see Mobange-Isongo)	Cameroon		9.0000;4.0833	0 m
Musaké, 25 km from Obala (???)	Cameroon	ca.	9.2000;4.2000	

Port Isongo (see Isongo)	Cameroon		9.0239;4.0789	5 m
Saxenhof	Cameroon		9.2172;4.0982	469 m
Small Sopo [forest] (see Small Soppo [forest]), 2 km S Buéa station	Cameroon		9.2436;4.1381	738 m
Small Soppo [forest], 2 km S Buéa station (see also: Buéa station, 2 km S, Small Sopo [forest])	Cameroon		9.2436;4.1381	738 m
Tote Tea Forest	Cameroon		9.2167;4.1500	
Victoria	Cameroon		9.1600;4.0100	
Victoria (see Limbe) (see also: CDC Rest House)	Cameroon		9.2203;4.0128	136 m
Victoria, 11.3 km N (see Moliwe)	Cameroon		9.2467;4.0665	174 m

NE 04009Ab:

Dikoumé (see also: Dikume)	Cameroon		9.4933;4.2451	
Dikume (see Dikoumé)	Cameroon		9.4933;4.2451	
Likomba, near Tiko	Cameroon		9.3319;4.0935	124 m
Mabetta (see Maneta), 5 km E Victoria	Cameroon		9.2856;4.0222	151 m
Maneta, 5 km E Victoria (see also: Mabetta, Victoria, 5 km E)	Cameroon		9.2500;4.0000	
Moliko	Cameroon		9.2819;4.1594	594 m
Mpundu (see also: Mungo River, forest across)	Cameroon		9.4092;4.2386	8 m
Mungo River, forest across (see Mpundu)	Cameroon		9.4000;4.2167	
Tiko	Cameroon		9.3699;4.0745	64 m
Tiko, near	Cameroon	ca.	9.3699;4.0745	
Victoria, 5 km E (see Maneta)	Cameroon		9.2500;4.0000	

NE 04009Ba:

Douala (see also: Doula, Duala)	Cameroon		9.7084;4.0469	0 m
Douala airport	Cameroon		9.7167;4.0667	
Douala airport, 3 km E	Cameroon	ca.	9.7167;4.0667	
Douala airport, 5 km E	Cameroon	ca.	9.7167;4.0667	
Doula (see Douala)	Cameroon		9.7084;4.0469	0 m
Duala (see Douala)	Cameroon		9.7084;4.0469	0 m
Mungo Anchoncho, [Moungo river?]	Cameroon		9.5500;4.0500	
Mungo River, East bank	Cameroon		9.5614;4.0472	

NE 04010Bc:

Ngobilo	Cameroon		10.6167;4.3333	218 m

NE 04010Ba:

Sakbayémé, on Sanaga River (see also: Song-Sag, Zakbayeme)	Cameroon		10.5667;4.0333	141 m
Sakbayémé, 26 km NE, Sanaga River, N bank	Cameroon	ca.	10.5833;4.0833	
Song-Sag (see Sakbayémé), on Sanaga River	Cameroon		10.5667;4.0333	141 m
Zakbayeme (see Sakbayémé), on Sanaga River	Cameroon		10.5667;4.0333	141 m

NE 04011Cc:

Bafia area	Cameroon	ca.	11.2333;4.7500	ca. 467 m

NE 04011Dd:

Ndjolé (see also: Ndjoré)	Cameroon		11.9333;4.8167	608 m
Ndjolé, 4 km N	Cameroon	ca.	11.9333;4.8167	ca. 600 m
Ndjolé, 6 km N	Cameroon	ca.	11.9333;4.8167	ca. 600 m
Ndjoré (see Ndjolé)	Cameroon		11.9333;4.8167	608 m
Obala, 82 km NE	Cameroon		11.8500;4.7667	

NE 04011Bc:

Dokoa (see also: Ondokoa)	Cameroon		11.7333;4.3667	469 m
Ekongolo Sanaga, near Nachtigal	Cameroon		11.6833;4.3500	
Malako River, Ntui, 5 km N (see also: Ntui, 5 km N)	Cameroon		11.6167;4.4500	

Nachtigal	Cameroon		11.6333;4.3500	454 m
Ndokoa	Cameroon		11.7333;4.3667	
N'Dui (see Ntui)	Cameroon		11.6333;4.4500	558 m
Ntui	Cameroon		11.6333;4.4500	558 m
(see also: N'Dui, Ntwi)				
Ntui, 11 km N	Cameroon	ca.	11.6333;4.4500	
Ntui, 5 km N (see Malako River)	Cameroon	ca.	11.6333;4.4500	
Ntui, 7 km N	Cameroon	ca.	11.6333;4.4500	
Ntwi (see Ntui)	Cameroon		11.6333;4.4500	558 m
Ondokoa (see Dokoa)	Cameroon		11.7333;4.3667	469 m

NE 04011Bd:

Obala, 30 km N, 40 km E	Cameroon		11.9667;4.3667	
Obala, 55 km NE	Cameroon	ca.	11.9667;4.3667	

NE 04011Aa:

Eyen Meyong (see Eyenméyong)	Cameroon		11.2167;4.1833	484 m
Eyenméyong	Cameroon		11.2167;4.1833	484 m
(see also: Eyen Meyong)				
Lékoun	Cameroon		11.2333;4.2167	499 m

NE 04011Ab:

Obala, 12 km S, 4 km E	Cameroon		11.3500;4.1500	
Okola	Cameroon		11.3833;4.0167	700 m

NE 04011Ba:

Nkometou	Cameroon		11.5500;4.0500	613 m
Obala	Cameroon		11.5333;4.1667	539 m
Obala, 12 km S, 11 km E	Cameroon		11.5167;4.1500	
Obala, 12 km S, 4 km E	Cameroon		11.5333;4.1667	
Obala, 6 km E (by road)	Cameroon	ca.	11.5333;4.1667	

NE 04012Cc:

Yaoundé, 150 km from, on Yoko road	Cameroon	ca.	12.0000;4.9167	

NE 04012Cb:

Nanga-Eboko, 30 km E	Cameroon		12.3667;4.6833	631 m

NE 04012Bd:

Loulou	Cameroon		12.9500;4.4333	
(see also: Lulu)				
Lulu (see Loulou)	Cameroon		12.9500;4.4333	

NE 04013Cd:

Bélabo	Cameroon		13.3000;4.9333	610 m

NE 04013Dd:

Tonde	Cameroon		13.9000;4.9167	

NE 04013Cb:

Bertoua, 30 km W	Cameroon		13.4167;4.5833	
Bertoua, 30 km W	Cameroon	ca.	13.4130;4.5833	
(see also: Bertua, 30 km W, Gamane, 30 km W)				
Bertua, 30 km W (see Bertoua, 30 km W)	Cameroon	ca.	13.4130;4.5833	
Gamane, 30 km W (see Bertoua, 30 km W)	Cameroon	ca.	13.4130;4.5833	

NE 04013Db:

Bertoua, 25 km NE	Cameroon		13.8426;4.7432	
(see also: Bertua, 25 km NE, Gamane, 25 km NE)				
Bertua, 25 km NE (see Bertoua, 25 km NE)	Cameroon		13.8426;4.7432	
Gamane, 25 km NE (see Bertoua, 25 km NE)	Cameroon		13.8426;4.7432	

NE 04013Bc:

Dimako	Cameroon		13.5833;4.3833	680 m

NE 04013Bd:

Miéri	Cameroon		13.9833;4.2500	611 m

NE 04013Bb:

Grottes de N'Kila-N'Tari (see N'Kila-N'Tari caves)	Congo		13.8528;4.1203	
Nkila caves (see N'Kila-N'Tari caves)	Congo		13.8528;4.1203	
N'Kila-N'Tari caves (see also: Grottes de N'Kila-N'Tari, Kila N'Tari caves, Nkila caves, Nkila-Ntari caves)	Congo		13.8528;4.1203	
Nkila-Ntari caves (see N'Kila-N'Tari caves)	Congo		13.8528;4.1203	

NE 04014Da:

Kombé-Tiko (see also: Kombetiko, Konbé tiko)	Cameroon		14.5833;4.6667	676 m
Kombetiko (see Kombé-Tiko)	Cameroon		14.5833;4.6667	676 m
Konbé tiko (see Kombé-Tiko)	Cameroon		14.5833;4.6667	676 m

NE 04014Ac:

Lélo	Cameroon		14.1167;4.3333	610 m

NE 04014Ad:

Batouri district (see also: Batowri district)	Cameroon	ca.	14.3333;4.4167	
Batowri district (see Batouri district)	Cameroon	ca.	14.3333;4.4167	

NE 04018Bc:

Bangui	Central African Republic		18.5833;4.3667	369 m
Bangui area	Central African Republic	ca.	18.5833;4.3667	
Bangui, 10 km from (I) (see Landjia)	Central African Republic		18.6500;4.3667	
Bangui, 10 km from (II) (see Mpoko)	Central African Republic	ca.	18.5167;4.4000	
La Landjia (see Landjia)	Central African Republic		18.6500;4.3667	
Landjia (see also: Bangui, 10 km from (I), La Landjia)	Central African Republic		18.6500;4.3667	
Mpoko (see also: Bangui, 10 km from (II))	Central African Republic	ca.	18.5167;4.4000	
Mpoko (near Makorou) and Yabanda, track between	Central African Republic	ca.	18.5408;4.3242	
Zongo	Congo (Democratic Republic of the)		18.5833;4.3333	

NE 04018Aa:

Bangui or Boukoko	Central African Republic	ca.	18.2000;4.1000	

NE 04019Bb:

Bosobolo	Congo (Democratic Republic of the)		19.9000;4.1833	508 m

NE 04020Ad:

Boso-Dula (see also: Bosodula)	Congo (Democratic Republic of the)		20.4833;4.2833	599 m
Bosodula (see Boso-Dula)	Congo (Democratic Republic of the)		20.4833;4.2833	599 m

Dubulu	Congo (Democratic Republic of the)	20.2667;4.3000	613 m

NE 04021Ac:

Moba territory	Congo (Democratic Republic of the)	21.1833;4.3000	

NE 04022Db:

Bangassou (see also: Bangassu, Bangasu)	Central African Republic	22.8167;4.7333	457 m
Bangassu (see Bangassou)	Central African Republic	22.8167;4.7333	457 m
Bangasu (see Bangassou)	Central African Republic	22.8167;4.7333	457 m

NE 04022Ab:

Welle [river] (see Uele [river])	Congo (Democratic Republic of the)	22.4356;4.1197	

NE 04023Ac:

Baye via Bondo	Congo (Democratic Republic of the)	23.0667;4.4167	

NE 04023Aa:

Lobi	Congo (Democratic Republic of the)	23.0920;4.1610	

NE 04025Bd:

Digba	Congo (Democratic Republic of the)	25.7833;4.4000	629 m

NE 04025Bb:

Ango	Congo (Democratic Republic of the)	25.8667;4.0333	610 m
Ango cave (see also: Ango grot, Grotte d'Ango)	Congo (Democratic Republic of the)	25.8667;4.0333	610 m
Ango grot (see Ango cave)	Congo (Democratic Republic of the)	25.8667;4.0333	610 m
Grotte d'Ango (see Ango cave)	Congo (Democratic Republic of the)	25.8667;4.0333	610 m

NE 04027Cc:

Bangangai Game Reserve, location 8, Andari Payam	South Sudan	27.0678;4.8811	

NE 04027Dc:

Bangangai Game Reserve, Andari Payam	South Sudan	27.6761;4.8775	
Bangangai Game Reserve, base camp	South Sudan	27.7036;4.9078	698 m
Bangangai Game Reserve, location 1	South Sudan	27.7053;4.9056	698 m
Bangangai Game Reserve, location 2	South Sudan	27.7097;4.9017	673 m
Bangangai Game Reserve, location 4	South Sudan	27.7122;4.8953	685 m
Bangangai Game Reserve, location 5	South Sudan	27.6994;4.9006	691 m
Bangangai Game Reserve, location 6, Andari Payam	South Sudan	27.6758;4.8775	719 m
Bangangai Game Reserve, location 7, Andari Payam	South Sudan	27.6814;4.8744	694 m

NE 04027Dd:

Bangangai forest, 50 mi WNW Yambio (see also: Yambio, 50 mi [=80 km] WNW)	South Sudan	27.7500;4.8500	730 m
Yambio, 50 mi [=80 km] WNW (see Bangangai forest)	South Sudan	27.7500;4.8500	730 m

NE 04027Bc:

Dika	Congo (Democratic Republic of the)	27.6667;4.3667	689 m

NE 04027Ba:

Mauda	Congo (Democratic Republic of the)	27.6833;4.0833	

NE 04028Ca:

Namaku Boma, Nzare Payam	South Sudan	28.2211;4.6797	661 m

NE 04028Cb:

Li Rangu	South Sudan	28.3592;4.7294	670 m
Marangu cave, near Yambio	South Sudan	28.3667;4.5500	
Mupoi cave, near Yambio	South Sudan	28.3667;4.5500	
Nzara, Zande district	South Sudan	28.2531;4.6433	595 m
Nzara West (see West Nzara)	South Sudan	28.2500;4.6333	710 m
West Nzara (see also: Nzara West)	South Sudan	28.2500;4.6333	710 m
Yambio	South Sudan	28.4164;4.5706	619 m
Yambio, FFI complext (see Yambio, Flora & Fauna International complex)	South Sudan	28.3828;4.5781	669 m
Yambio, Flora & Fauna International complex (see also: Yambio, FFI complext)	South Sudan	28.3828;4.5781	669 m
Yambio, Wildlife officer compound	South Sudan	28.3986;4.5708	652 m

NE 04028Bd:

Yakubuku (see Yakuluku)	Congo (Democratic Republic of the)	28.8000;4.3333	697 m
Yakuluku (see also: Yakubuku)	Congo (Democratic Republic of the)	28.8000;4.3333	697 m

NE 04029Cd:

Maridi (see also: Maridi, Meridi, Merridi)	South Sudan	29.4769;4.9147	698 m
Maridi (see Maridi)	South Sudan	29.4769;4.9147	698 m
Meridi (see Maridi)	South Sudan	29.4769;4.9147	698 m
Merridi (see Maridi)	South Sudan	29.4769;4.9147	698 m

NE 04029Da:

Aka	Congo (Democratic Republic of the)	29.7000;4.5833	
Aka river	Congo (Democratic Republic of the)	29.6667;4.5000	
Aka-Inimvua confluence	Congo (Democratic Republic of the)	29.7000;4.5833	
Bagisana	Congo (Democratic Republic of the)	29.5333;4.5833	
Dedegwa river	Congo (Democratic Republic of the)	29.7167;4.5833	
Embe	Congo (Democratic Republic of the)	29.5167;4.6667	
Inimvua	Congo (Democratic Republic of the)	29.7167;4.5833	1061 m
Kakodo	Congo (Democratic Republic of the)	29.5000;4.6667	
Keroma	Congo (Democratic Republic of the)	29.5333;4.5833	
Kodoko river (see Kokodo river)	Congo (Democratic Republic of the)	29.5000;4.6333	
Kokodo river (see also: Kodoko river)	Congo (Democratic Republic of the)	29.5000;4.6333	
Kokodu	Congo (Democratic Republic of the)	29.5333;4.5833	
Meridi river	Congo (Democratic Republic of the)	29.5500;4.6667	
Mogbwamu river	Congo (Democratic Republic of the)	29.7333;4.5833	
Nakpanga	Congo (Democratic Republic of the)	29.5667;4.6000	

Nakpanga river	Congo (Democratic Republic of the)	29.5333;4.6500	
Pidigala Nord river	Congo (Democratic Republic of the)	29.7000;4.6167	
Pidigala river	Congo (Democratic Republic of the)	29.5333;4.5833	
Soudan river	Congo (Democratic Republic of the)	29.5833;4.5833	
Uduku (see also: Uduku Moke)	Congo (Democratic Republic of the)	29.5500;4.5333	950 m
Uduku Moke (see Uduku)	Congo (Democratic Republic of the)	29.5500;4.5333	950 m

NE 04029Db:

Buluku	Congo (Democratic Republic of the)	29.8167;4.5500	
Buluku river	Congo (Democratic Republic of the)	29.8167;4.5500	
Congo-Nil-Aka	Congo (Democratic Republic of the)	29.7500;4.5667	
Taere river (see also: Tayele (river))	Congo (Democratic Republic of the)	29.7833;4.5500	
Tayele (river) (see Taere river)	Congo (Democratic Republic of the)	29.7833;4.5500	

NE 04029Ad:

Bagbele (see also: Cel I, Cellule I)	Congo (Democratic Republic of the)	29.2833;4.3500	742 m
Bagbele Moko	Congo (Democratic Republic of the)	29.2833;4.3500	742 m
Bamangwa (see Bamungwa [river])	Congo (Democratic Republic of the)	29.4500;4.3500	
Bamongwa (see Bamungwa [river])	Congo (Democratic Republic of the)	29.4500;4.3500	
Bamungwa [river] (see also: Bamangwa, Bamongwa)	Congo (Democratic Republic of the)	29.4500;4.3500	
Cel I (see Bagbele)	Congo (Democratic Republic of the)	29.2833;4.3500	742 m
Cellule I (see Bagbele)	Congo (Democratic Republic of the)	29.2833;4.3500	742 m

NE 04029Bc:

Kassi river	Congo (Democratic Republic of the)	29.5833;4.2500	
Makpe (see also: Makpe river, upper)	Congo (Democratic Republic of the)	29.5667;4.3333	
Makpe river, upper (see Makpe)	Congo (Democratic Republic of the)	29.5667;4.3333	
Maleli	Congo (Democratic Republic of the)	29.6167;4.3333	
Marari	Congo (Democratic Republic of the)	29.6667;4.3333	
Nadegbe river	Congo (Democratic Republic of the)	29.6456;4.4894	
Nagbarama	Congo (Democratic Republic of the)	29.5333;4.2833	
PPK.78	Congo (Democratic Republic of the)	29.5833;4.3167	

NE 04029Bd:

Iso (see also: Iso.4, Isoberlinia)	Congo (Democratic Republic of the)	29.9333;4.3000	
Iso.4 (see Iso)	Congo (Democratic Republic of the)	29.9333;4.3000	
Isoberlinia (see Iso)	Congo (Democratic Republic of the)	29.9333;4.3000	
Kalikimvua	Congo (Democratic Republic of the)	29.7500;4.2500	
Mabanga	Congo (Democratic Republic of the)	29.7833;4.3667	
Mount Tungu (see Tungu, mount)	South Sudan	29.9667;4.3667	

Nampume (see also: Nampune)	Congo (Democratic Republic of the)	29.8167;4.3500	
Nampune (see Nampume)	Congo (Democratic Republic of the)	29.8167;4.3500	
Ndelele	Congo (Democratic Republic of the)	29.7833;4.3667	900 m
PFNK 15 and 17	Congo (Democratic Republic of the)	29.7833;4.4167	
PFNK.15 (see also: Piste Frontière Nord, km 15)	Congo (Democratic Republic of the)	29.7833;4.4167	
PFNK.16 (see also: Piste Frontière Nord, km 16)	Congo (Democratic Republic of the)	29.7833;4.4167	
PFSK 17 and 20	Congo (Democratic Republic of the)	29.9167;4.3000	
PFSK 8	Congo (Democratic Republic of the)	29.8500;4.3333	
PFSK.17 (see also: Piste Frontière Sud, km 17)	Congo (Democratic Republic of the)	29.9167;4.3000	
PFSK.20 (see also: Piste Frontière Sud, km 20)	Congo (Democratic Republic of the)	29.9167;4.3000	
PFSK.8 (see also: Piste Frontière Sud, km 8)	Congo (Democratic Republic of the)	29.8500;4.3333	
Piste Frontière Nord, km 15 (see PFNK.15)	Congo (Democratic Republic of the)	29.7833;4.4167	
Piste Frontière Nord, km 16 (see PFNK.16)	Congo (Democratic Republic of the)	29.7833;4.4167	
Piste Frontière Sud, km 17 (see PFSK.17)	Congo (Democratic Republic of the)	29.9167;4.3000	
Piste Frontière Sud, km 20 (see PFSK.20)	Congo (Democratic Republic of the)	29.9167;4.3000	
Piste Frontière Sud, km 8 (see PFSK.8)	Congo (Democratic Republic of the)	29.8500;4.3333	
Tore (see also: Tori)	Congo (Democratic Republic of the)	29.8333;4.3333	
Tori (see Tore)	Congo (Democratic Republic of the)	29.8333;4.3333	
Tungu, mount (see also: Mount Tungu)	South Sudan	29.9772;4.3436	
Utukuru	Congo (Democratic Republic of the)	29.9333;4.3000	

NE 04029Aa:

PFNK	Congo (Democratic Republic of the)	29.0833;4.0333	

NE 04029Ab:

Biadimbi	Congo (Democratic Republic of the)	29.3500;4.2167	
Morubia	Congo (Democratic Republic of the)	29.4833;4.1833	
PPK 51 and 56	Congo (Democratic Republic of the)	29.4167;4.1000	
PPK.51	Congo (Democratic Republic of the)	29.4167;4.1000	

NE 04029Ba:

Bagunda	Congo (Democratic Republic of the)	29.5833;4.0667	990 m
Garamba National Park (see also: Parc National de Garamba)	Congo (Democratic Republic of the)	29.5000;4.1667	
Malili	Congo (Democratic Republic of the)	29.5333;4.2167	
Moka river (see Moko river)	Congo (Democratic Republic of the)	29.7167;4.1500	
Moko river (see also: Moka river)	Congo (Democratic Republic of the)	29.7167;4.1500	
Mpaza	Congo (Democratic Republic of the)	29.6167;4.2333	878 m
Parc National de Garamba (see Garamba National Park)	Congo (Democratic Republic of the)	29.5000;4.1667	
PPK 72	Congo (Democratic Republic of the)	29.5167;4.2333	

NE 04029Bb:

Lufa River	Congo (Democratic Republic of the)		29.7674;4.0259	

NE 04030Ba:

Kagelu	South Sudan		30.6092;4.0531	834 m
Yei	South Sudan		30.6786;4.0914	830 m
(see also: Yey)				
Yey (see Yei)	South Sudan		30.6786;4.0914	830 m

NE 04031Dc:

Goba (see Juba)	South Sudan		31.6167;4.8500	550 m
Goba, 3 mi S, Bale Province	Ethiopia	ca.	31.6167;4.8500	
Gondokoro, on White Nile	South Sudan		31.6667;4.9000	545 m
Juba	South Sudan		31.6167;4.8500	550 m
(see also: Goba, Uula)				
Rajjaf, Bahr el Jebel	South Sudan		31.5833;4.7500	549 m
(see also: Rejaf)				
Rejaf (see Rajjaf), Bahr el Jebel	South Sudan		31.5833;4.7500	549 m
Uula (see Juba)	South Sudan		31.6167;4.8500	550 m

NE 04031Db:

Ngangala, 20 mi [=32 km] N	South Sudan		31.9167;4.6667	
(see also: Njanqala, 20 mi [=32 km] N)				
Njanqala, 20 mi [=32 km] N (see Ngangala, 20 mi [=32 km] N)	South Sudan		31.9167;4.6667	

NE 04031Ba:

Jabal Giri	South Sudan	ca.	31.5142;4.0183	
(see also: Jebel Giri)				
Jebel Gire, base camp, Kansuk Boma	South Sudan		31.5208;4.0208	
Jebel Giri (see Jabal Giri)	South Sudan	ca.	31.5142;4.0183	

NE 04032Dc:

Mura, 40 mi [=64 km] NE Torit	South Sudan		32.7000;4.8000	948 m
(see also: Torit, 40 mi [=64 km] NE)				
Torit, 40 mi [=64 km] NE (see Mura)	South Sudan		32.7000;4.8000	948 m

NE 04032Db:

Loqutor, 25 mi [=40 km] ENE Torit	South Sudan		32.9723;4.5815	
(see also: Torit, 25 mi [=40 km] ENE)				
Torit, 25 mi [=40 km] ENE (see Loqutor)	South Sudan		32.9723;4.5815	

NE 04032Ac:

Lowai, 25 mi [=40 km] W Torit	South Sudan		32.2029;4.4133	
Okaru, 25 mi [=40 km] W Torit	South Sudan		32.1692;4.4914	911 m
(see also: Torit, 25 mi [=40 km] SE)				
Torit, 25 mi [=40 km] SE (see Okaru)	South Sudan		32.1692;4.4914	911 m
Torit, 25 mi [=40 km] W (see Torit, 25 mi [=40 km] W)	South Sudan		32.2029;4.4133	
(see also: Torit, 25 mi [=40 km] W)				

NE 04032Ad:

Imurok, 20 mi [=32 km] SE Torit	South Sudan		32.3911;4.3128	
(see also: Torit, 20 mi [=32 km] SE)				
Katuluru, 20 mi [=32 km] W Torit	South Sudan		32.2759;4.4133	
(see also: Torit, 20 mi [=32 km] W)				
Torit, 20 mi [=32 km] SE (see Imurok)	South Sudan		32.3911;4.3128	
Torit, 20 mi [=32 km] W (see Katuluru)	South Sudan		32.2759;4.4133	

NE 04032Bc:

Lawudo, 13 mi N Torit	South Sudan		32.5667;4.4167	
(see also: Torit, 13 mi [=21 km] N)				

Torit	South Sudan		32.5678;4.4133	610 m
Torit district	South Sudan	ca.	32.5678;4.4133	3000 ft
Torit, 13 mi [=21 km] N (see Lawudo)	South Sudan		32.5667;4.4167	
Torit, 80 km E	South Sudan		32.5167;4.4500	
Torit, near	South Sudan	ca.	32.5678;4.4133	

NE 04032Bd:

Chalamni, 30 mi [=48 km] E Torit (see also: Torit, 30 mi [=48 km] E)	South Sudan		32.9153;4.4919	1110 m
Sunnat	South Sudan		32.7989;4.3236	914 m
Tirangole, 20 mi [=32 km] E Torit (see also: Torit, 20 mi [=32 km] E)	South Sudan		32.8200;4.4781	664 m
Torit, 20 mi [=32 km] E (see Tirangole)	South Sudan		32.8200;4.4781	664 m
Torit, 30 mi [=48 km] E (see Chalamni)	South Sudan		32.9153;4.4919	1110 m

NE 04032Ab:

Magwe, 35 mi [=56 km] SW Torit (see also: Torit, 35 mi [=56 km] SW)	South Sudan		32.2836;4.1381	858 m
Torit, 35 mi [=56 km] SW (see Magwe)	South Sudan		32.2836;4.1381	858 m
Torit, 36 mi [=58 km] E	South Sudan	ca.	32.2833;4.1333	

NE 04032Ba:

Acholi mountains (see also: Jebel Choli)	South Sudan		32.5983;4.0819	
Jebel Choli (see Acholi mountains)	South Sudan		32.5983;4.0819	
Jebel Goumia, 45 mi [=72 km] SSW Torit	South Sudan		32.6000;4.0833	1981 m
Logwi, 25 mi [=40 km] SSE Torit (see also: Lokwi, Torit, 25 mi [=40 km] SSE)	South Sudan		32.7206;4.1078	1487 m
Lokwi (see Logwi), 25 mi [=40 km] SSE Torit	South Sudan		32.7206;4.1078	1487 m
Lotti forest	South Sudan		32.5333;4.0333	
Talanga forest	South Sudan		32.7333;4.0000	914 m
Torit, 25 mi [=40 km] SSE (see Logwi)	South Sudan		32.7206;4.1078	1487 m

NE 04032Bb:

Gilo	South Sudan		32.8453;4.0383	
Gilo area	South Sudan	ca.	32.8453;4.0383	
Gilo, 5 mi [=8 km] S	South Sudan		32.8500;4.0333	
Imatong, 10 km S Torit	South Sudan		32.7531;4.1739	
Imatong mountains	South Sudan		32.8500;4.1000	
Katire (see Katiri)	South Sudan		32.7978;4.0422	1067 m
Katiri, 35 mi SSE Torit (see also: Katire, Torit, 35 mi [=56 km] SSE)	South Sudan		32.7978;4.0422	1067 m
Kotokeinyang (see Kotokeynyang, mountain)	South Sudan		32.7972;4.2186	
Kotokeynyang, mountain (see also: Kotokeinyang)	South Sudan		32.7972;4.2186	
Lofi, 30 mi [=48 km] ESE Torit (see also: Torit, 30 mi [=48 km] ESE)	South Sudan		32.9894;4.2394	610 m
Longairo, 20 mi [=32 km] SE Torit (see also: Torit, 20 mi [=32 km] SE)	South Sudan		32.9559;4.0403	1487 m
Molongori, 25 mi [=40 km] SE Torit (see also: Torit, 25 mi [=40 km] SE)	South Sudan		32.8422;4.1742	1182 m
Torit, 10 km S	South Sudan		32.7500;4.0000	
Torit, 20 mi [=32 km] SE (see Longairo)	South Sudan		32.9559;4.0403	1487 m
Torit, 25 mi [=40 km] SE (see Molongori)	South Sudan		32.8422;4.1742	1182 m
Torit, 30 mi [=48 km] ESE (see Lofi)	South Sudan		32.9894;4.2394	610 m
Torit, 35 mi [=56 km] SSE (see Katiri)	South Sudan		32.7978;4.0422	1540 m

NE 04033Dc:

Kabuyta (see Kapoeta)	South Sudan		33.5903;4.7717	654 m
Kapoeta (see also: Kabuyta)	South Sudan		33.5903;4.7717	654 m

NE 04033Ca:

Logirim, 30 mi [=48 km] ENE Torit (see also: Torit, 30 mi [=48 km] ENE)	South Sudan		33.2425;4.7161	639 m
Torit, 30 mi [=48 km] ENE (see Logirim)	South Sudan		33.2425;4.7161	639 m

NE 04033Ac:

Lobira	South Sudan	33.0564;4.4058	675 m

NE 04033Ad:

Murukiron, 50 mi [=80 km] E Torit (see also: Murukurun, Torit, 50 mi [=80 km] E)	South Sudan	33.3333;4.3333	1080 m
Murukurun (see Murukiron), 50 mi [=80 km] E Torit	South Sudan	33.3333;4.3333	1080 m
Torit, 50 mi [=80 km] E (see Murukiron)	South Sudan	33.3333;4.3333	1080 m

NE 04033Bc:

Didinga mountains, western foothils	South Sudan	33.5833;4.3333	
Nagichot, 100 mi E Torit (see also: Nagishot, Naqishot, Torit, 100 mi [=160 km] E)	South Sudan	33.5597;4.2772	1981 m
Nagishot (see Nagichot), 100 mi E Torit	South Sudan	33.5597;4.2772	1981 m
Naqishot (see Nagichot), 100 mi E Torit	South Sudan	33.5597;4.2772	1981 m
Torit, 100 mi [=160 km] E (see Nagichot)	South Sudan	33.5597;4.2772	1981 m

NE 04033Aa:

Dongotona mountains (see also: Dongtona mountains)	South Sudan	33.1186;4.1856	
Dongtona mountains (see Dongotona mountains)	South Sudan	33.1186;4.1856	
Iketos (see Ikoto), 50 mi SE Torit	South Sudan	33.1089;4.0783	
Ikoto, 50 mi SE Torit (see also: Iketos, Ikotos, Torit, 50 mi [=80 km] SE)	South Sudan	33.1089;4.0783	
Ikotos (see Ikoto), 50 mi SE Torit	South Sudan	33.1089;4.0783	
Lodwara	South Sudan	33.1186;4.1856	
Torit, 50 mi [=80 km] SE (see Ikoto)	South Sudan	33.1089;4.0783	

NE 04033Ba:

Blat Latome (see Latome), 60 mi [=96 km] ESE Torit	South Sudan	33.6167;4.1167	1257 m
Latome, 60 mi [=96 km] ESE Torit (see also: Blat Latome, Torit, 60 mi [=96 km] ESE)	South Sudan	33.6167;4.1167	1257 m
Torit, 60 mi [=96 km] ESE (see Latome)	South Sudan	33.6167;4.1167	1257 m

NE 04034Dc:

Lokomanyang Marsh, Ilemi triangle (see also: Lokomarinyang Marsh, Lokomorinyang, Morunyang)	South Sudan	34.6833;4.9833	
Lokomarinyang Marsh (see Lokomanyang Marsh), Ilemi triangle	South Sudan	34.6833;4.9833	
Lokomorinyang (see Lokomanyang Marsh), Ilemi Triangle	South Sudan	34.6833;4.9833	
Morunyang (see Lokomanyang Marsh), Ilemi Triangle	South Sudan	34.6833;4.9833	

NE 04035Dd:

Calama (see Kelem)	Ethiopia	35.9667;4.8000	394 m
Callam (see Kelem)	Ethiopia	35.9667;4.8000	394 m
Kaalam (see Kelem)	Ethiopia	35.9667;4.8000	394 m
Kalam (see Kelem)	Ethiopia	35.9667;4.8000	394 m
Kelam (see Kelem)	Ethiopia	35.9667;4.8000	394 m
Kelem (see also: Calama, Callam, Kaalam, Kalam, Kelam)	Ethiopia	35.9667;4.8000	394 m
Poi, 2 mi [=3.2 km] N, Rift Valley	Ethiopia	35.8333;4.8333	

NE 04036Cc:

Rudolf, lake, 10 km NE (see Turkana lake, 10 km NE)	Ethiopia	ca. 36.1333;4.9500	
Turkana lake, 10 km NE (see also: Rudolf, lake, 10 km NE)	Ethiopia	ca. 36.1333;4.9500	

NE 04036Db:

Abore	Ethiopia		36.7500;4.6667	
Abore, lake (see also: Lake Abore)	Ethiopia		36.7500;4.6667	
Chaw Bahir	Ethiopia		36.7500;4.6667	
Lake Abore (see Abore, lake)	Ethiopia		36.7500;4.6667	

NE 04038Ad:

Anole Wells	Ethiopia		38.4333;4.3167	

NE 04042Aa:

Dolo (see Dolo Odo)	Ethiopia		42.0589;4.1786	173 m
Dolo Odo (see also: Dolo)	Ethiopia		42.0589;4.1786	173 m

NE 04046Da:

Ceelbuur (see also: El-Bur)	Somalia		46.6167;4.6833	152 m
El Bur to El Der, road between	Somalia	ca.	46.5000;4.6667	
El-Bur (see Ceelbuur)	Somalia		46.6167;4.6833	152 m

NE 04073Bc:

Atholhu (see Maale Atholhu Uthuruburi)	Maldive Islands		73.5000;4.4167	
Maale Atholhu Uthuruburi (see also: Atholhu, Maale Atoll, Male Atoll, North Male, North Male Atoll)	Maldive Islands		73.5000;4.4167	
Maale Atoll (see Maale Atholhu Uthuruburi)	Maldive Islands		73.5000;4.4167	
Male Atoll (see Maale Atholhu Uthuruburi)	Maldive Islands		73.5000;4.4167	
North Male (see Maale Atholhu Uthuruburi)	Maldive Islands		73.5000;4.4167	
North Male Atoll (see Maale Atholhu Uthuruburi)	Maldive Islands		73.5000;4.4167	

NE 03008Dc:

Cacahual	Equatorial Guinea		8.7267;3.7792	
Ciudad de Malabo (see Malabo)	Equatorial Guinea		8.7419;3.7511	0 m
Malaba (see Malabo)	Equatorial Guinea		8.7419;3.7511	0 m
Malabo (see also: Ciudad de Malabo, Malaba, Port Clarence, Rev Malebo, Santa Isabel)	Equatorial Guinea		8.7419;3.7511	0 m
Malabo International Airport (10 km from Malabo)	Equatorial Guinea		8.7158;3.7578	0 m
Malabo International Airport (6 km from Malabo)	Equatorial Guinea		8.7158;3.7578	
Malabo International Airport (7 km from Malabo)	Equatorial Guinea	ca.	8.7158;3.7578	
Port Clarence (see Malabo)	Equatorial Guinea		8.7419;3.7511	0 m
Santa Isabel (see Malabo)	Equatorial Guinea		8.7419;3.7511	0 m

NE 03008Dd:

Borabuopé River (see Río Borabuopé)	Equatorial Guinea	ca.	8.8667;3.7500	
Ciudad de Ela Nguema, near Malabo (see also: Ela Nguema, Ela Nguena, Elan - Guema, Elanguena, San Fernando)	Equatorial Guinea		8.7833;3.7500	107 m
Ela Nguema (see Ciudad de Ela Nguema)	Equatorial Guinea		8.7833;3.7500	107 m
Ela Nguena (see Ciudad de Ela Nguema)	Equatorial Guinea		8.7833;3.7500	107 m
Elan - Guema (see Ciudad de Ela Nguema)	Equatorial Guinea		8.7833;3.7500	107 m
Elanguena (see Ciudad de Ela Nguema)	Equatorial Guinea		8.7833;3.7500	107 m
Finca de Mayo (see Mallo and Mora, farm)	Equatorial Guinea		8.8333;3.7500	
Finca de Mora (see Mallo and Mora, farm)	Equatorial Guinea		8.8333;3.7500	
Finca Mallo (see Mallo and Mora, farm)	Equatorial Guinea		8.8333;3.7500	
Finca Mayo (see Mallo and Mora, farm), Borapuope River; on Malabo to Riaba road	Equatorial Guinea		8.8333;3.7500	
Finca Mora (see Mallo and Mora, farm)	Equatorial Guinea		8.8333;3.7500	
Malabo to Riaba road, km 4 (see Río Togecha)	Equatorial Guinea		8.8167;3.7500	
Malabo, Basilé, San Fernando cave	Equatorial Guinea		8.7833;3.7500	107 m
Mallo and Mora, farm, Borabuopé River, near Malabo (see also: Finca de Mayo, Finca de Mora, Finca Mallo, Finca Mayo, Finca Mora, Mallo plantation, Patio Viuda de Mora)	Equatorial Guinea		8.8333;3.7500	

Mallo plantation (see Mallo and Mora, farm), Borabuopé river, near Malabo	Equatorial Guinea		8.8333;3.7500	
Patio Viuda de Mora (see Mallo and Mora, farm)	Equatorial Guinea		8.8333;3.7500	
Río Borabuopé (see also: Borabuopé River)	Equatorial Guinea	ca.	8.8667;3.7500	
Río Matadero	Equatorial Guinea	ca.	8.7833;3.7500	
Río Togecha, mk 4 on Malabo to Riaba road (see also: Malabo to Riaba road, km 4, Togecha River)	Equatorial Guinea		8.8167;3.7500	
San Fernando (see Ciudad de Ela Nguema)	Equatorial Guinea		8.7833;3.7500	107 m
Togecha River (see Río Togecha)	Equatorial Guinea		8.8167;3.7500	

NE 03008Da:

Apú River (see Río Apú), 21 km on Malabo to Luba road	Equatorial Guinea	ca.	8.5897;3.5208	
Basacato (see Basacato del Oeste)	Equatorial Guinea		8.6233;3.5908	252 m
Basacato del Oeste (see also: Basacato, Basakato, Cueva Bosacato)	Equatorial Guinea		8.6233;3.5908	252 m
Basakato (see Basacato del Oeste)	Equatorial Guinea		8.6233;3.5908	252 m
Basapu (see Basupú)	Equatorial Guinea		8.6844;3.7167	112 m
Basupú, km 10 on Malabo - Luba road (see also: Basapu, Basupú del Oeste, Malabo to Luba road, km 10)	Equatorial Guinea		8.6844;3.7167	112 m
Basupú del Oeste (see Basupú)	Equatorial Guinea		8.6844;3.7167	112 m
Basupú river (see Río Basupú)	Equatorial Guinea	ca.	8.6844;3.7167	
Bioko island (see also: Fernando Po, Fernando Poo, Macas Nguema)	Equatorial Guinea		8.7000;3.5000	
Bosao river (see Río Bosao)	Equatorial Guinea	ca.	8.5994;3.5308	
Boshao river (see Río Bosao)	Equatorial Guinea	ca.	8.5994;3.5308	
Boshaoiefang River (see Río Bosao)	Equatorial Guinea	ca.	8.5994;3.5308	
Cueva Bosacato (see Basacato del Oeste)	Equatorial Guinea		8.6233;3.5908	252 m
Elgorriaga Farm, Rió Boshao	Equatorial Guinea		8.6542;3.6911	
Fernando Po (see Bioko island)	Equatorial Guinea		8.7000;3.5000	
Lopesa River (see Río Lopese)	Equatorial Guinea	ca.	8.6808;3.7281	
Lopese River (see Río Lopese)	Equatorial Guinea	ca.	8.6808;3.7281	
Lopesi River (see Río Lopese), near Malabo	Equatorial Guinea	ca.	8.6808;3.7281	
Lopesse River (see Río Lopese)	Equatorial Guinea	ca.	8.6808;3.7281	
Luba to Malabo road, km 14	Equatorial Guinea	ca.	8.6167;3.5667	
Macas Nguema (see Bioko island)	Equatorial Guinea		8.7000;3.5000	
Malabo to Luba road, km 10 (see Basupú)	Equatorial Guinea		8.6844;3.7167	112 m
Malabo to Luba road, km 13	Equatorial Guinea	ca.	8.6547;3.6828	
Malabo to Luba road, km 15	Equatorial Guinea	ca.	8.6425;3.6583	
Malabo to Luba road, km 20 (see Río Bosao), Rio Apu	Equatorial Guinea	ca.	8.5994;3.5308	
Malabo to Luba road, km 21 (see Río Apú)	Equatorial Guinea	ca.	8.5897;3.5208	
Malabo to Luba road, km 40	Equatorial Guinea	ca.	8.6033;3.5453	
Malabo to Luba road, km 42	Equatorial Guinea	ca.	8.6033;3.5453	
Malabo to Luba road, km 5 (see Vievenda de Mera, plantation)	Equatorial Guinea		8.7333;3.7167	
Malabo, ca. 7 km from (see Sampaka river)	Equatorial Guinea	ca.	8.7378;3.7447	
Mera, plantation (see Vievenda de Mera, plantation)	Equatorial Guinea		8.7333;3.7167	
Punta Lucinda	Equatorial Guinea		8.6792;3.7481	
Río Apú, 17 to 21 km on Malabo to Luba road (see also: Apú River, Malabo to Luba road, km 21)	Equatorial Guinea	ca.	8.5897;3.5208	
Río Basupú (see also: Basupú river)	Equatorial Guinea	ca.	8.6844;3.7167	
Río Bosao, 18 to 20 km on the Malabo to Luba road (see also: Bosao river, Boshao river, Boshaoiefang River, Malabo to Luba road, km 20, Río Boshao)	Equatorial Guinea	ca.	8.5994;3.5308	
Río Boshao (see Río Bosao)	Equatorial Guinea	ca.	8.5994;3.5308	
Río Lopesa (see Río Lopese)	Equatorial Guinea	ca.	8.6808;3.7281	
Río Lopese (see also: Lopesa River, Lopese River, Lopesi River, Lopesse River, Río Lopesa, Río Lopesi, Río Lopesse)	Equatorial Guinea	ca.	8.6808;3.7281	
Río Lopesi (see Río Lopese)	Equatorial Guinea	ca.	8.6808;3.7281	
Río Lopesse (see Río Lopese)	Equatorial Guinea	ca.	8.6808;3.7281	
Río Sampaca (see Sampaka river), ca 7 km from Malabo	Equatorial Guinea	ca.	8.7378;3.7447	
Rio Sampaka (see Sampaka river), ca. 7 km from Malabo	Equatorial Guinea	ca.	8.7378;3.7447	
Sácriba	Equatorial Guinea		8.7167;3.7000	
Sampaka river, ca 7 km from Malabo (see also: Malabo, ca. 7 km from, Río Sampaca, Rio Sampaka)	Equatorial Guinea	ca.	8.7378;3.7447	

Sampoca	Equatorial Guinea		8.7483;3.7222	
Victoria	Equatorial Guinea	ca.	8.7000;3.5000	
Vievenda de Mera, plantation, 5 km on Malabo - Luba road (see also: Malabo to Luba road, km 5, Mera, plantation, Vvd. de Mera, plantation)	Equatorial Guinea		8.7333;3.7167	
Vvd. de Mera, plantation (see Vievenda de Mera, plantation)	Equatorial Guinea		8.7333;3.7167	

NE 03008Db:

Bacipú (see Basupú)	Equatorial Guinea		8.8167;3.7333	154 m
Bajo Puente Sobre Riachuelo, 3 km on the Malabo - Riaba road	Equatorial Guinea	ca.	8.8333;3.7342	
Baney (see Santiago de Baney), Eolá River, Patio Vivancos (see also: Eolá River, Río Eolá)	Equatorial Guinea		8.9083;3.6992	252 m
Bany (see Santiago de Baney)	Equatorial Guinea		8.9083;3.6992	252 m
Basilé Radio (see Basilé village)	Equatorial Guinea		8.8036;3.6942	572 m
Basilé village (see also: Basilé Radio, Rasilé)	Equatorial Guinea		8.8036;3.6942	572 m
Basipu (see Basupú)	Equatorial Guinea		8.8167;3.7333	154 m
Basoalo (see Basuala)	Equatorial Guinea		8.9333;3.6333	0 m
Basuala (see also: Basoalo)	Equatorial Guinea		8.9333;3.6333	0 m
Basupí Fiston (see Basupú)	Equatorial Guinea		8.8167;3.7333	154 m
Basupú (see also: Bacipú, Basipu, Basupí Fiston, Fish Town, Fishtown)	Equatorial Guinea		8.8167;3.7333	154 m
Caracolas	Equatorial Guinea		8.7703;3.7497	
Cocorico River (see Río Ericorico)	Equatorial Guinea	ca.	8.8261;3.7361	
Eolá River (see Baney)	Equatorial Guinea		8.9083;3.6992	252 m
Ericorico river (see Río Ericorico), 3 km on Malabo - Riaba road	Equatorial Guinea	ca.	8.8261;3.7361	
Fish Town (see Basupú)	Equatorial Guinea		8.8167;3.7333	154 m
Fishtown (see Basupú)	Equatorial Guinea		8.8167;3.7333	154 m
Laka-Baney (see Santiago de Baney)	Equatorial Guinea		8.9083;3.6992	252 m
Malabo to Basilé road, km 1	Equatorial Guinea	ca.	8.7833;3.7167	
Malabo to Luba road, km 3 (see Río Timbabé)	Equatorial Guinea	ca.	8.7525;3.7364	
Malabo to Riaba road, km 1	Equatorial Guinea	ca.	8.8119;3.7447	
Malabo to Riaba road, km 10	Equatorial Guinea	ca.	8.9000;3.6978	
Malabo to Riaba road, km 14	Equatorial Guinea	ca.	8.9111;3.6750	
Malabo to Riaba road, km 2	Equatorial Guinea	ca.	8.8278;3.7358	
Malabo to Riaba road, km 3 (see Río Ericorico)	Equatorial Guinea	ca.	8.8261;3.7361	
Malabo to Riaba road, km 5	Equatorial Guinea	ca.	8.8297;3.7358	
Matadera river (see Río Matadera)	Equatorial Guinea	ca.	8.7833;3.7333	
Matadero River (see Río Matadera)	Equatorial Guinea	ca.	8.7833;3.7333	
Mopobill River (see Río Mopobill)	Equatorial Guinea	ca.	8.8167;3.7333	
Rasilé (see Basilé village)	Equatorial Guinea		8.8036;3.6942	572 m
Riaba to Malabo road, km 7 - 8	Equatorial Guinea	ca.	8.8000;3.5000	
Rio Cocorico (see Río Ericorico)	Equatorial Guinea	ca.	8.8261;3.7361	
Río Eolá (see Baney)	Equatorial Guinea		8.9083;3.6992	252 m
Río Ericorico, 3 km on Malabo to Riaba road (see also: Cocorico River, Ericorico river, Malabo to Riaba road, km 3, Rio Cocorico, Rio Ericorico)	Equatorial Guinea	ca.	8.8261;3.7361	
Rio Ericorico (see Río Ericorico)	Equatorial Guinea	ca.	8.8261;3.7361	
Río Matadera, near Malabo (see also: Matadera river, Matadero River, Río Matadero)	Equatorial Guinea	ca.	8.7833;3.7333	
Río Matadero (see Río Matadera), near Ela Nguena	Equatorial Guinea	ca.	8.7833;3.7333	
Río Mopobill, NW Bioko, 7 km from the airport (see also: Mopobill River)	Equatorial Guinea	ca.	8.8167;3.7333	
Río Timbabé, 3 to 5 km on Malabo to Luba road (see also: Malabo to Luba road, km 3, Timbabé River)	Equatorial Guinea	ca.	8.7525;3.7364	
Santiago de Baney, at 100 m from the banks of the Eola river (see also: Baney, Bany, Laka-Baney)	Equatorial Guinea		8.9083;3.6992	252 m
Timbabé River (see Río Timbabé)	Equatorial Guinea	ca.	8.7525;3.7364	

NE 03008Bc:

Bahía de Luba (see also: Luba Bay)	Equatorial Guinea		8.5642;3.4864	
Bantabaré cave	Equatorial Guinea		8.5747;3.3258	

Batete, near Luba (see also: Claret de Batete)	Equatorial Guinea		8.5050;3.4433	285 m
Belebu and Ureka, between (see Caldera de San Carlos Scientific Reserve)	Equatorial Guinea	ca.	8.5667;3.3333	
Biaó, lake (see Lago de Biaó)	Equatorial Guinea		8.6256;3.3572	
Bualabá River (see Río Grande)	Equatorial Guinea	ca.	8.7378;3.3842	
Bualala River (see Río Grande)	Equatorial Guinea	ca.	8.7378;3.3842	
Caldera de San Carlos Scientific Reserve (see also: Belebu and Ureka, between, Reserva cientifica de la Caldera de San Carlos)	Equatorial Guinea	ca.	8.5667;3.3333	
Ciudad de Luba (see Luba)	Equatorial Guinea		8.5547;3.4567	181 m
Claret de Batete (see Batete)	Equatorial Guinea		8.5050;3.4433	285 m
Fernando Poo (see Bioko island)	Equatorial Guinea		8.7017;3.4942	
Grande River (see Río Grande)	Equatorial Guinea	ca.	8.7378;3.3842	
Iladyi (see Río Grande)	Equatorial Guinea	ca.	8.7378;3.3842	
Lago de Biaó, near Moka (see also: Biaó, lake, Lago Moko, Laguna Moka, Lake Biao)	Equatorial Guinea		8.6256;3.3572	
Lago Moko (see Lago de Biaó)	Equatorial Guinea		8.6256;3.3572	
Laguna Moka (see Lago de Biaó)	Equatorial Guinea		8.6256;3.3572	
Lake Biao (see Lago de Biaó)	Equatorial Guinea		8.6256;3.3572	
Lobo river	Equatorial Guinea	ca.	8.6667;3.3333	
Luba (see also: Ciudad de Luba, San Carlos, San Carlos de Lubá)	Equatorial Guinea		8.5547;3.4567	181 m
Luba Bay (see Bahía de Luba)	Equatorial Guinea		8.5642;3.4864	
Luba, 3 km from	Equatorial Guinea	ca.	8.5547;3.4567	
Luba, near	Equatorial Guinea	ca.	8.5547;3.4567	
Moca (see also: Moka)	Equatorial Guinea		8.6667;3.3333	1013 m
Moka (see Moca)	Equatorial Guinea		8.6667;3.3333	1013 m
Moris River (see Río Moris)	Equatorial Guinea	ca.	8.5500;3.4500	
Musela (see Musola)	Equatorial Guinea		8.6167;3.4333	437 m
Musola (see also: Musela)	Equatorial Guinea		8.6167;3.4333	437 m
Musola River	Equatorial Guinea	ca.	8.6167;3.4333	
Oprocage, farm, near Moba, Luba	Equatorial Guinea	ca.	8.6667;3.3333	1300 m
Reserva cientifica de la Caldera de San Carlos (see Caldera de San Carlos Scientific Reserve)	Equatorial Guinea	ca.	8.5667;3.3333	
Rio Bualabá (see Río Grande)	Equatorial Guinea	ca.	8.7378;3.3842	
Río Bualala (see Río Grande)	Equatorial Guinea	ca.	8.7378;3.3842	
Río Grande, near Riaba (see also: Bualabá River, Bualala River, Grande River, Iladyi, Rio Bualabá, Río Bualala, Río Grande - Río Ruma confluence)	Equatorial Guinea	ca.	8.7378;3.3842	
Río Grande - Río Ruma confluence (see Río Grande)	Equatorial Guinea	ca.	8.7378;3.3842	
Río Moris, near Luba (see also: Moris River)	Equatorial Guinea	ca.	8.5500;3.4500	
Riusaka	Equatorial Guinea	ca.	8.6559;3.4353	
San Antonio de Ureca (see also: San Antonio de Ureka, Ureca, Ureka, Urekd)	Equatorial Guinea		8.5850;3.2522	
San Antonio de Ureka (see San Antonio de Ureca)	Equatorial Guinea		8.5850;3.2522	
San Carlos (see Luba)	Equatorial Guinea		8.5547;3.4567	181 m
San Carlos de Lubá (see Luba)	Equatorial Guinea		8.5547;3.4567	181 m
Ureca (see San Antonio de Ureca)	Equatorial Guinea		8.5850;3.2522	
Ureka (see San Antonio de Ureca)	Equatorial Guinea		8.5850;3.2522	
Ureka, near	Equatorial Guinea	ca.	8.5850;3.2522	
Urekd (see San Antonio de Ureca)	Equatorial Guinea		8.5850;3.2522	

NE 03008Bd:

Balelipa (see Bilelipa)	Equatorial Guinea		8.8000;3.4833	215 m
Belelipa (see Bilelipa)	Equatorial Guinea		8.8000;3.4833	215 m
Belépipa (see Bilelipa)	Equatorial Guinea		8.8000;3.4833	215 m
Beletipa (see Bilelipa)	Equatorial Guinea		8.8000;3.4833	215 m
Betelipa (see Bilelipa)	Equatorial Guinea		8.8000;3.4833	215 m
Bilelepá (see Bilelipa)	Equatorial Guinea		8.8000;3.4833	215 m
Bilelepe (see Bilelipa)	Equatorial Guinea		8.8000;3.4833	215 m
Bilelipa (see also: Balelipa, Belelipa, Belépipa, Beletipa, Betelipa, Bilelepá, Bilelepe)	Equatorial Guinea		8.8000;3.4833	215 m
Bubi Town	Equatorial Guinea		8.8333;3.4833	

Ciudad de Riaba (see also: Concepcion, La Concepcion, La Conception, Riaba)	Equatorial Guinea		8.7622;3.3828	104 m
Concepcion (see Ciudad de Riaba)	Equatorial Guinea		8.7622;3.3828	104 m
La Concepcion (see Ciudad de Riaba)	Equatorial Guinea		8.7622;3.3828	104 m
La Conception (see Ciudad de Riaba)	Equatorial Guinea		8.7622;3.3828	104 m
Riaba (see Ciudad de Riaba)	Equatorial Guinea		8.7622;3.3828	104 m
Riaba to Malabo road, km 5 - 6	Equatorial Guinea	ca.	8.7833;3.4667	
Riaba, 6 km from	Equatorial Guinea	ca.	8.7622;3.3828	
Riaba, near, Borakurope river	Equatorial Guinea	ca.	8.7622;3.3828	

NE 03009Cc:

Bimbia, near Victoria, near Limbe	Cameroon		9.2450;3.9544	98 m
Man O'War Bay, near Victoria	Cameroon		9.2167;3.9583	139 m

NE 03009Db:

Douala-Edéa Game Reserve (see Douala-Edéa, réserve de)	Cameroon	ca.	9.8333;3.5000	
Douala-Edéa, réserve de (see also: Douala-Edéa Game Reserve)	Cameroon	ca.	9.8333;3.5000	
Lombé, near Douala-Edéa Game Reserve (see also: Lombe)	Cameroon		9.9861;3.6339	1 m
Lombe (see Lombé), Douala-Edéa Game Reserve, near	Cameroon		9.9861;3.6339	1 m

NE 03009Bd:

Biafra bay, coast	Cameroon	ca.	9.8333;3.3333	
Lake Tisongo (see Tisongo, Lake)	Cameroon		9.9000;3.4167	
Tisongo, Lake (see also: Lake Tisongo)	Cameroon		9.9000;3.4167	

NE 03009Bb:

Kiribi, 14 km N (see Kribi, 14 km N)	Cameroon		9.9000;3.0667	
Kiribi, 9 km N (see Kribi, 9 km N)	Cameroon		9.9000;3.0167	
Klein Batanga (see Petit Batanga)	Cameroon		9.9267;3.1986	0 m
Kribi, 14 km N (see also: Kiribi, 14 km N)	Cameroon		9.9000;3.0667	
Kribi, 9 km N (see also: Kiribi, 9 km N)	Cameroon		9.9000;3.0167	
Little Batanga (see Petit Batanga)	Cameroon		9.9267;3.1986	0 m
Longi (see Longji)	Cameroon		9.9778;3.0753	15 m
Longji (see also: Longi, Longuy, Longuyi)	Cameroon		9.9778;3.0753	15 m
Longuy (see Longji)	Cameroon		9.9778;3.0753	15 m
Longuyi (see Longji)	Cameroon		9.9778;3.0753	15 m
Petit Batanga (see also: Klein Batanga, Little Batanga)	Cameroon		9.9267;3.1986	0 m

NE 03010Cc:

Edéa	Cameroon		10.1333;3.8000	25 m
Lake Ossa	Cameroon	ca.	10.1333;3.8167	
Ossa, Lake	Cameroon	ca.	10.1333;3.8167	

NE 03010Db:

Eséka (see also: Eseka)	Cameroon		10.7667;3.6500	245 m
Eseka (see Eséka)	Cameroon		10.7667;3.6500	245 m
Eséka, 15 km SW	Cameroon	ca.	10.7500;3.6667	
Eséka, 15 km W	Cameroon	ca.	10.7500;3.6667	
Eseka, 3 km S, 3 km W	Cameroon		10.7500;3.6167	
Eséka, 3 km S, 3 km W	Cameroon		10.7500;3.6167	
Eséka, 5 km SW (see also: Eseka, 5 km SW)	Cameroon		10.7500;3.6167	
Eseka, 5 km SW (see Eséka, 5 km SW)	Cameroon		10.7500;3.6167	
Eséka, 6 km SE	Cameroon	ca.	10.7500;3.6667	
Eséka, 7 km N	Cameroon	ca.	10.7500;3.6667	
Eséka, 8 km SW	Cameroon	ca.	10.7500;3.6667	
Eséka, 9 km N (see also: Eseka, 9 km N)	Cameroon		10.7667;3.6500	

Eseka, 9 km N (see Eséka, 9 km N)	Cameroon		10.7667;3.6500	
Eséka, 9 km SE	Cameroon		10.7667;3.7314	

NE 03010Bd:

Lolodorf, 20 mi [=32 km] N	Cameroon	ca.	10.8167;3.2667	

NE 03010Ab:

Bipindi	Cameroon		10.4167;3.0833	184 m
Bipindi, 10 km W	Cameroon		10.4167;3.0833	ca. 300 m

NE 03010Ba:

Lelodorf (see Lolodorf), on Lokoundgé river	Cameroon		10.7333;3.2333	412 m
Lolodorf, on Lokoundgé river (see also: Lelodorf, Lolodrof)	Cameroon		10.7333;3.2333	412 m
Lolodrof (see Lolodorf), on Lokoundgé river	Cameroon		10.7333;3.2333	412 m

NE 03011Cd:

Nkolbison (see Nkolbisson)	Cameroon		11.4500;3.8833	739 m
Nkolbisson (see also: Nkolbison)	Cameroon		11.4500;3.8833	739 m
Yaoundé, 7 km S, 8 km W	Cameroon		11.4500;3.8000	
Yaoundé, 9 km S, 10 km W	Cameroon		11.4167;3.7833	

NE 03011Dc:

Jaúnde (see Yaoundé)	Cameroon		11.5167;3.8667	726 m
Melen	Cameroon		11.5000;3.8500	
Mvé II, 60 km W Yaoundé, on Ayos road	Cameroon		11.7167;3.9000	752 m
Yaoundé (see also: Jaúnde, Yaounde)	Cameroon		11.5167;3.8667	726 m
Yaounde (see Yaoundé)	Cameroon		11.5167;3.8667	
Yaounde station melen 5	Cameroon		11.5167;3.8500	
Yaoundé station melen 5	Cameroon		11.5167;3.8500	
Yaoundé, due S	Cameroon		11.5167;3.8667	2500 ft

NE 03011Cb:

Ototomo (see also: Ottotom, Ottotomo, Ottotumo)	Cameroon		11.3167;3.6500	761 m
Ottotom (see Ototomo)	Cameroon		11.3167;3.6500	761 m
Ottotomo (see Ototomo)	Cameroon		11.3167;3.6500	761 m
Ottotumo (see Ototomo)	Cameroon		11.3167;3.6500	761 m

NE 03011Da:

Mbalmajo (see Mbalmayo)	Cameroon		11.5000;3.5167	335 m
Mbalmayo (see also: Mbalmajo)	Cameroon		11.5000;3.5167	335 m
Mbalmayo road	Cameroon	ca.	11.5000;3.5167	
Mbalmayo, near	Cameroon	ca.	11.5000;3.5167	
Yaoundé, 16 km S, 2 km E	Cameroon		11.5333;3.7167	
Yaoundé, 23 km S, 1 km E	Cameroon		11.5333;3.6667	
Yaoundé, 25 km S 3 km E	Cameroon		11.5500;3.5833	

NE 03011Db:

Ayos, 67 km W (see Njombo River)	Cameroon		11.9667;3.6500	457 m
Njombo River, 67 km W Ayos (see also: Ayos, 67 km W)	Cameroon		11.9667;3.6500	ca. 457 m

NE 03011Ac:

Mvengé, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)	Cameroon		11.0000;3.2667	
Mvengé, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)	Cameroon		11.0000;3.2667	
Mvengé, 6 km W (see Mvengué, 6 km W)	Cameroon		11.0167;3.2833	
Mvengu, 3 km W, 1 km N (see Mvengué, 3 km W, 1 km N)	Cameroon		11.0000;3.2667	

Mvengu, 6 km W (see Mvengué, 6 km W)	Cameroon	11.0167;3.2833	
Mvengué, 3 km W, 1 km N (see also: Mvengé, 3 km W, 1 km N, Mvengé, 3 km W, 1 km N, Mvengu, 3 km W, 1 km N)	Cameroon	11.0000;3.2667	
Mvengué, 6 km W (see also: Mvengé, 6 km W, Mvengu, 6 km W, Mvingé, 6 km W)	Cameroon	11.0167;3.2833	
Mvingé, 6 km W (see Mvengué, 6 km W)	Cameroon	11.0167;3.2833	

NE 03011Ad:

Ebogo, 10 km SW Mbalmayo	Cameroon	11.4667;3.4000	316 m
Manguémé (see Mengémé Village)	Cameroon	11.4000;3.2500	591 m
Mebueme Village (see Mengémé Village)	Cameroon	11.4000;3.2500	591 m
Mebueme, 6 km W (see Soumou River)	Cameroon	11.4000;3.2500	
Mengémé Village (see also: Manguémé, Mebueme Village, Mengueme)	Cameroon	11.4000;3.2500	591 m
Mengueme (see Mengémé Village)	Cameroon	11.4000;3.2500	591 m
Sou Mou River (see Soumou River)	Cameroon	11.4000;3.2500	
Soumou River, 6 km W Mebueme (see also: Mebueme, 6 km W, Mengueme River, 6 km W, Sou Mou River)	Cameroon	11.4000;3.2500	

NE 03011Bc:

Mengueme River, 6 km W (see Soumou River)	Cameroon	11.5000;3.3000	
Metet (see Métet), Sangmelima, 62 km NNW	Cameroon	11.7167;3.4333	485 m
Sangmelima, 62 km NNW	Cameroon	11.7167;3.4333	
Sangmélima, 62 km NNW (see Métet)	Cameroon	11.7167;3.4333	

NE 03011Bd:

Ayos Road, Mvoutesi II (see also: MVE II)	Cameroon	11.8000;3.2500	
Metek (see Métet), 62 km NNW Sangmélima	Cameroon	11.7500;3.4333	485 m
Métet, 62 km NNW Sangmélima (see also: Metek, Metet, Nyong River, near, Sangmélima, 62 km NNW)	Cameroon	11.7500;3.4333	485 m
MVE II (see Ayos Road, Mvoutesi II)	Cameroon	11.8000;3.2500	
Mvoutési II, 60 km W Yaoundé, on Ayos road (see also: Yaoundé, 60 km W, on Ayos road)	Cameroon	11.8000;3.2500	614 m
Nyong River, near (see Métet)	Cameroon	11.7500;3.4333	485 m
Yaounde, 60 km W	Cameroon	11.8000;3.2500	
Yaoundé, 60 km W, on Ayos road (see Mvoutési II)	Cameroon	11.8000;3.2500	

NE 03012Cd:

Akomolinga (see Akonolinga)	Cameroon	12.2500;3.7667	520 m
Akonolinga (see also: Akomolinga)	Cameroon	12.2500;3.7667	520 m

NE 03012Dc:

Ajos Höhe (see Ayos Heights)	Cameroon	12.5167;3.9000	578 m
Ayos Heights (see also: Ajos Höhe)	Cameroon	12.5167;3.9000	
Ayos, near (see also: Mben River)	Cameroon	12.5167;3.8833	
Mben River (see Ayos, near)	Cameroon	12.5167;3.8833	

NE 03012Dd:

Ebam, 15 km SE	Cameroon	12.9500;3.7667	694 m

NE 03012Db:

Mesaména district (see Messaména district)	Cameroon	ca. 12.8333;3.7333	
Messaména district (see also: Mesaména district)	Cameroon	ca. 12.8333;3.7333	

NE 03012Bc:

Somalomo	Cameroon	12.7333;3.3833	629 m

NE 03012Bd:

Malen I	Cameroon		12.8833;3.3500	639 m
(see also: Malene I village)				
Malene I village (see Malen I)	Cameroon		12.8833;3.3500	639 m
Nemeyong (see Néméyong I)	Cameroon		12.9167;3.3167	642 m
Néméyong I	Cameroon		12.9167;3.3167	642 m
(see also: Nemeyong)				
Nkolé Koul village (see Nkolékoul)	Cameroon		12.8833;3.3333	
Nkolékoul	Cameroon		12.8833;3.3333	
(see also: Nkolé Koul village)				

NE 03012Aa:

Mintjaminyumin (see Mintyaminyoumin), 4 km NNE Sangméelima	Cameroon		12.0333;3.0167	794 m
(see also: Sangmélima, 4 km NNE)				
Mintyaminyoumin, 4 km NNE Sangméelima	Cameroon		12.0333;3.0167	794 m
(see also: Mintjaminyumin)				

NE 03012Ab:

Bitye, on Ja/Dja River	Cameroon		12.3667;3.0167	616 m

NE 03013Ca:

Mboumo	Cameroon		13.0667;3.6833	
(see also: M'Boumo)				
M'Boumo (see Mboumo)	Cameroon		13.0667;3.6833	

NE 03013Bc:

Djaposten	Cameroon		13.5333;3.4167	719 m

NE 03013Aa:

Dja Biosphere Reserve	Cameroon	ca.	13.0000;3.1500	
Dja River	Cameroon	ca.	13.0000;3.0000	
(see also: Ja River)				
Ja River (see Dja River)	Cameroon		13.0000;3.0000	

NE 03013Ba:

Lomié	Cameroon		13.6167;3.1667	611 m
Lomié district	Cameroon	ca.	13.6167;3.1667	
Lomié, 1 km ESE	Cameroon	ca.	13.5833;3.1500	
Lomié, 10 km SE	Cameroon		13.5667;3.1500	427 m
Lomié, 4 km from	Cameroon	ca.	13.5833;3.1500	
Lomié, 40 km N	Cameroon		13.5833;3.1500	

NE 03014Ac:

Mang	Cameroon		14.0333;3.3333	608 m

NE 03014Aa:

Mesea	Cameroon		14.1000;3.0000	

NE 03015Ca:

Yokadouma, near	Cameroon		15.0500;3.5167	

NE 03016Ca:

Djembe (see Nola)	Central African Republic		16.0667;3.5333	442 m
Nola	Central African Republic		16.0667;3.5333	442 m
(see also: Djembe)				
Nola region	Central African Republic	ca.	16.0667;3.5333	

NE 03016Ad:

Dzanga-Sangha Forest Reserve (see Dzanga-Sangha National Park)	Central African Republic	ca.	16.3500;3.4333	
Dzanga-Sangha National Park (see also: Dzanga-Sangha Forest Reserve)	Central African Republic	ca.	16.3500;3.4333	

NE 03016Aa:

Sangha River	Central African Republic	ca.	16.1167;3.1167	

NE 03017Cc:

Ngotto forest	Central African Republic		17.0500;3.9167	

NE 03017Cd:

Kpoka	Central African Republic	ca.	17.3000;3.8333	
Mbaéré-Bodingué Reserve (see also: Réserve Intégrale de Mbaéré-Bodingué)	Central African Republic	ca.	17.2500;3.8833	
Réserve Intégrale de Mbaéré-Bodingué (see Mbaéré-Bodingué Reserve)	Central African Republic	ca.	17.2500;3.8833	

NE 03017Dd:

Bébé cave (see also: Grotte de Bébé, Grotte de Bolé)	Central African Republic	ca.	17.8459;3.8319	
Bolé cave	Central African Republic	ca.	17.8459;3.8319	
Boukoko (see also: Bukoko)	Central African Republic		17.9333;3.9000	559 m
Boukoko or La Maboké	Central African Republic	ca.	17.9333;3.9000	
Bukoko (see Boukoko)	Central African Republic		17.9333;3.9000	559 m
Grotte de Bébé (see Bébé cave)	Central African Republic	ca.	17.8459;3.8319	
Grotte de Bolé (see Bébé cave)	Central African Republic	ca.	17.8459;3.8319	
La Maboké	Central African Republic		17.8459;3.8319	
La Maboké area	Central African Republic	ca.	17.8459;3.8319	

NE 03018Cc:

Mbaïki (see also: M'Baiki, M'Baikie)	Central African Republic		18.0000;3.8833	514 m
M'Baiki (see Mbaïki)	Central African Republic		18.0000;3.8833	514 m
M'Baikie (see Mbaïki)	Central African Republic		18.0000;3.8833	514 m

NE 03018Dc:

Duma, near Libenge/Ubangi	Congo (Democratic Republic of the)		18.6833;3.8833	356 m

NE 03018Da:

Libenge (see also: Libengué)	Congo (Democratic Republic of the)		18.6333;3.6500	326 m
Libengué (see Libenge)	Congo (Democratic Republic of the)		18.6333;3.6500	326 m
Mongoumba	Central African Republic		18.5936;3.6415	337 m

NE 03018Bc:

Isato	Congo (Democratic Republic of the)	18.6500;3.3000	323 m

NE 03019Bd:

Gemena	Congo (Democratic Republic of the)	19.7667;3.2500	555 m
Gemena territory	Congo (Democratic Republic of the)	19.7667;3.2500	

NE 03019Aa:

Bwamanda [mission]	Congo (Democratic Republic of the)	19.2458;3.1683	508 m

NE 03020Ad:

Karawa	Congo (Democratic Republic of the)	20.3000;3.3333	453 m

NE 03024Cb:

Angu, near	Congo (Democratic Republic of the)	ca. 24.4667;3.5500	

NE 03024Bc:

Koloka, S of Angu	Congo (Democratic Republic of the)	24.5000;3.3833	

NE 03025Da:

Alipago (see also: Alipango, Alipaye, Alipei)	Congo (Democratic Republic of the)	25.7333;3.5667	565 m
Alipango (see Alipago)	Congo (Democratic Republic of the)	25.7333;3.5667	565 m
Alipaye (see Alipago)	Congo (Democratic Republic of the)	25.7333;3.5667	565 m
Alipei (see Alipago)	Congo (Democratic Republic of the)	25.7333;3.5667	565 m

NE 03025Bc:

Bambesa	Congo (Democratic Republic of the)	25.7167;3.4667	614 m
Kuleponge (see Kulepongi)	Congo (Democratic Republic of the)	25.6833;3.3667	604 m
Kulepongi (see also: Kuleponge, Kulepongo)	Congo (Democratic Republic of the)	25.6833;3.3667	604 m
Kulepongo (see Kulepongi)	Congo (Democratic Republic of the)	25.6833;3.3667	604 m

NE 03026Ca:

Uele [river] (see also: Welle [river])	Congo (Democratic Republic of the)	ca. 26.0500;3.6833	

NE 03026Aa:

Likandi river (see Litaki river)	Congo (Democratic Republic of the)	26.1833;3.1833	
Litaki river (see also: Likandi river)	Congo (Democratic Republic of the)	26.1833;3.1833	

NE 03026Bb:

Poko, on Bomokandi river	Congo (Democratic Republic of the)	26.8833;3.1500	641 m
Poko territory (see also: Poko zone)	Congo (Democratic Republic of the)	ca. 26.8833;3.1500	

Poko zone (see Poko territory)	Congo (Democratic Republic of the)	ca.	26.8833;3.1500	

NE 03027Db:

Niangara	Congo (Democratic Republic of the)		27.8667;3.7000	644 m
Niangara zone	Congo (Democratic Republic of the)	ca.	27.8667;3.7000	

NE 03027Bd:

Tingasi	Congo (Democratic Republic of the)		27.9167;3.4000	

NE 03027Bb:

Rungu	Congo (Democratic Republic of the)		27.8667;3.1833	704 m
Rungu zone	Congo (Democratic Republic of the)	ca.	27.8667;3.1833	

NE 03028Da:

Dungu	Congo (Democratic Republic of the)		28.5667;3.6167	669 m

NE 03029Cc:

Wilibadi river	Congo (Democratic Republic of the)		29.1333;3.9167	

NE 03029Cd:

Cel II (see also: Cellule II)	Congo (Democratic Republic of the)	ca.	29.3667;3.9167	
Cellule II (see Cel II)	Congo (Democratic Republic of the)		29.4167;3.9167	
PPK.10	Congo (Democratic Republic of the)		29.4833;3.7667	

NE 03029Dc:

Nagera (see Nagero)	Congo (Democratic Republic of the)		29.5167;3.7500	753 m
Nagero (see also: Nagera)	Congo (Democratic Republic of the)		29.5167;3.7500	753 m

NE 03029Ca:

Gangala (see Gangala-na-Bodio)	Congo (Democratic Republic of the)		29.1333;3.6833	701 m
Gangala na Bodio (see Gangala-na-Bodio)	Congo (Democratic Republic of the)		29.1333;3.6833	701 m
Gangala-na-Bodio (see also: Gangala, Gangala na Bodio, Gangara, Gangara na Bodio)	Congo (Democratic Republic of the)		29.1333;3.6833	701 m
Gangara (see Gangala-na-Bodio)	Congo (Democratic Republic of the)		29.1333;3.6833	701 m
Gangara na Bodio (see Gangala-na-Bodio)	Congo (Democratic Republic of the)		29.1333;3.6833	701 m
Nambiliki / Dungu	Congo (Democratic Republic of the)		29.1667;3.6667	

NE 03029Da:

Faradje, on Dungu R., on Congo-Nile highway, 241 km N Irumu (see also: Irumu, 241 km N)	Congo (Democratic Republic of the)		29.7167;3.7333	775 m
Faradje territory (see also: Faradje, zone)	Congo (Democratic Republic of the)		29.7167;3.7333	
Faradje, zone (see Faradje territory)	Congo (Democratic Republic of the)		29.7167;3.7333	

Irumu, 241 km N (see Faradje)	Congo (Democratic Republic of the)	29.7167;3.7333	775 m

NE 03029Ad:

N'soro	Congo (Democratic Republic of the)	29.4167;3.2500	

NE 03029Bc:

Nzoro (see also: Vankerckhovenstad, Vankerckhovenville)	Congo (Democratic Republic of the)	29.5000;3.3333	791 m
Vankerckhovenstad (see Nzoro)	Congo (Democratic Republic of the)	29.5000;3.3333	791 m
Vankerckhovenville (see Nzoro)	Congo (Democratic Republic of the)	29.5000;3.3333	791 m

NE 03029Ab:

Kodja hill	Congo (Democratic Republic of the)	29.4833;3.1500	
Mabereni river	Congo (Democratic Republic of the)	29.3667;3.0833	

NE 03029Ba:

Ambarao (see Ambarau)	Congo (Democratic Republic of the)	29.7333;3.1667	867 m
Ambarau (see also: Ambarao)	Congo (Democratic Republic of the)	29.7333;3.1667	867 m
Durba, Geology house	Congo (Democratic Republic of the)	29.5835;3.1384	
Goroumbwa Mine	Congo (Democratic Republic of the)	29.5705;3.1127	

NE 03029Bb:

Abimva	Congo (Democratic Republic of the)	29.7667;3.1500	1100 m

NE 03030Cc:

Aba	Congo (Democratic Republic of the)	30.2333;3.8667	890 m

NE 03030Dc:

Jabal Otogo, summit (see also: Mount Otogo, summit, Otogo, summit mount)	South Sudan	30.5831;3.9590	3650 ft
Kajiko North, South of Yei	South Sudan	30.6075;3.8569	
Mount Otogo, summit (see Jabal Otogo, summit)	South Sudan	30.5831;3.9590	3650 ft
Otogo, summit mount (see Jabal Otogo, summit)	South Sudan	30.5831;3.9590	3650 ft

NE 03030Dd:

Jabal Korobi (see Korobi, Jabal)	South Sudan	30.8961;3.9611	
Korobi, Jabal (see also: Jabal Korobi, Korobi, mount, Mount Korobi)	South Sudan	30.8961;3.9611	
Korobi, mount (see Korobi, Jabal)	South Sudan	30.8961;3.9611	
Mount Korobi (see Korobi, Jabal)	South Sudan	30.8961;3.9611	

NE 03030Cb:

Dramba	Congo (Democratic Republic of the)	30.3167;3.6667	877 m

NE 03030Bb:

Arua, West Nile	Uganda	30.9308;3.0192	1195 m
Arua, near	Uganda	ca. 30.9167;3.0167	

NE 03031Dc:

Gwortapeng village, Lire Payam, Romogi Boma, Sanga stream	South Sudan		31.6353;3.9192	924 m
Kabi stream, Lire Payam, NW of Mogiri town	South Sudan		31.5781;3.9478	929 m
Kajo Kaji, 10 km W	South Sudan	ca.	31.6667;3.8833	
Kajo Kaji, 10 mi [=16 km] W	South Sudan		31.6667;3.8833	1173 m
Kajo Keji Civil Hospital (see Mundari Civil Hospital)	South Sudan		31.6572;3.8528	
Kajo-Keji County Health Department Headquarters	South Sudan		31.6589;3.8528	955 m
Kangapo One Payam, Saregoro Boma, Kalawa stream	South Sudan		31.6847;3.8331	954 m
Kijiri village, Kangapo Two Payam, Jalimo Boma, Juka stream	South Sudan		31.5833;3.7500	897 m
Kinyiba cave	South Sudan		31.5778;3.8300	949 m
Kinyiba-Bekat, ca. 1 km W of town center	South Sudan		31.5872;3.8292	914 m
Kombi stream, behind Reeder compound, Lire Payam	South Sudan		31.6047;3.9328	950 m
Kungupuri (Bekat) Stream	South Sudan		31.6450;3.8797	931 m
Lorini stream, Lire Payam, Romogi Boma	South Sudan		31.6439;3.9189	936 m
Luro cave, base camp	South Sudan		31.6942;3.9019	945 m
Mari (see Mere)	South Sudan		31.6706;3.8850	1022 m
Mere, (government offices) (see also: Mari)	South Sudan		31.6706;3.8850	1022 m
Mogiri Hill, NE of town	South Sudan		31.6053;3.9489	953 m
Mogiri, NW of town	South Sudan		31.5778;3.9478	929 m
Mogiri, Reeder family compound, Lire Payam	South Sudan		31.6081;3.9358	1024 m
Mundari Civil Hospital, Kangapo 2 Payam (see also: Kajo Keji Civil Hospital)	South Sudan		31.6572;3.8528	
Panyai (Thomas Modi's house)	South Sudan		31.6611;3.8817	935 m
Uma river	South Sudan		31.7083;3.9568	
Wudu Market	South Sudan		31.6578;3.8483	952 m

NE 03031Dd:

Kerripi, 30 mi N Nimule (see also: Nimule, 30 mi [=48 km] N)	South Sudan		31.9167;3.9167	701 m
Loa, 20 mi N Nimule (see also: Nimule, 20 mi [=32 km] N)	South Sudan		31.9500;3.8000	785 m
Nimule, 20 mi [=32 km] N (see Loa)	South Sudan		31.9500;3.8000	785 m
Nimule, 30 mi [=48 km] N (see Kerripi)	South Sudan		31.9167;3.9167	820 m

NE 03031Da:

Jale, border checkpoint with Uganda	South Sudan		31.6589;3.7192	
Kangapo Two Payam, Jalimo Boma, Juka stream	South Sudan		31.5714;3.7292	769 m
Moyo, 10 mi [=16 km] E	Uganda		31.7167;3.6500	
Moyo, 16 km E	Uganda		31.7167;3.6500	
West Madi county	Uganda		31.5833;3.5000	

NE 03031Db:

Dufile	Uganda		31.9486;3.5522	627 m
Metu (see also: Metu Rest Camp)	Uganda		31.8014;3.6536	1043 m
Metu Rest Camp (see Metu)	Uganda		31.8014;3.6536	1043 m
Moyo, West Madi County, West Nile district	Uganda		31.7536;3.6281	889 m
Moyo, near	Uganda	ca.	31.7536;3.6281	

NE 03031Ad:

Yumbe, Nile province, West Nile dist.	Uganda		31.2703;3.4464	903 m

NE 03031Bd:

Adjumani (see also: Ajumani)	Uganda		31.8097;3.3614	761 m
Ajumani (see Adjumani)	Uganda		31.8097;3.3614	761 m

NE 03031Aa:

Arua, 32 km N (see Wati, mount)	Uganda		31.0294;3.2277	
Eti, mount (see Wati, mount), 32 km N Arua	Uganda		31.0294;3.2277	
Mount Eti (see Wati, mount), 32 km N Arua	Uganda		31.0294;3.2277	
Mount Wati (see Wati, mount), 32 km N Arua	Uganda		31.0294;3.2277	
Mount Watti (see Wati, mount), 32 km N Arua	Uganda		31.0294;3.2277	

Wati, mount, 32 km N Arua (see also: Arua, 32 km N, Eti, mount, Mount Eti, Mount Wati, Mount Watti, Watti, mount)	Uganda		31.0294;3.2277	
Watti, mount (see Wati, mount), 32 km N Arua	Uganda		31.0294;3.2277	

NE 03032Dc:

Palwar, 45 mi [=72 km] S Torit (see also: Torit, 45 mi [=72 km] S)	South Sudan		32.6000;3.9167	1237 m
Torit, 45 mi [=72 km] S (see Palwar)	South Sudan		32.6000;3.9167	1237 m

NE 03032Dd:

Issore, 40 mi [=64 km] S Torit (see also: Torit, 40 mi [=64 km] S)	South Sudan		32.8000;3.9000	1540 m
Torit, 40 mi [=64 km] S (see Issore)	South Sudan		32.8000;3.9000	1540 m

NE 03032Ca:

Fola Rapids (see Fula Rapids), 1 mi N Nimule	South Sudan		32.0214;3.6106	
Fula Rapids, 1 mi N Nimule (see also: Fola Rapids, Nimule, 1 mi [=1.6 km] N)	South Sudan		32.0214;3.6106	
Nimule	South Sudan		32.0500;3.6000	1219 m
Nimule, 1 mi [=1.6 km] N (see Fula Rapids)	South Sudan		32.0214;3.6106	
Nimule, near	Uganda		32.0500;3.5833	

NE 03035Db:

Ferguson's Gulf	Kenya		35.9167;3.5167	

NE 03035Ab:

Turkana county (see Turkana district)	Kenya	ca.	35.4667;3.2000	
Turkana district (see also: Turkana county)	Kenya	ca.	35.4667;3.2000	

NE 03035Ba:

Lodwar	Kenya		35.6000;3.1167	477 m
Lokiri	Kenya		35.5000;3.0000	

NE 03036Cd:

Kanapoi	Kenya	ca.	36.2500;3.7500	

NE 03036Ca:

Aman (see Turkana, lake)	Kenya		36.0000;3.5000	
Anam (see Turkana, lake)	Kenya		36.0000;3.5000	
Bas (see Turkana, lake)	Kenya		36.0000;3.5000	
Baso (see Turkana, lake)	Kenya		36.0000;3.5000	
Basso (see Turkana, lake)	Kenya		36.0000;3.5000	
Basso Narok (see Turkana, lake)	Kenya		36.0000;3.5000	
Basso Norok (see Turkana, lake)	Kenya		36.0000;3.5000	
Central island	Kenya		36.0333;3.5000	381 m
Central Island	Kenya		36.0833;3.5000	
Fuchich (see Turkana, lake)	Kenya		36.0000;3.5000	
Galanaboi (see Turkana, lake)	Kenya		36.0000;3.5000	
Galanaboy (see Turkana, lake)	Kenya		36.0000;3.5000	
Gallop (see Turkana, lake)	Kenya		36.0000;3.5000	
Gullop (see Turkana, lake)	Kenya		36.0000;3.5000	
Lake Rudolf (see Turkana, lake)	Kenya		36.0000;3.5000	
Lake Rudolph, W side (see Turkana, W side lake)	Kenya		36.0000;3.5000	
Lake Turkana (see Turkana, lake)	Kenya		36.0000;3.5000	
Lake Turkana, W side (see Turkana, W side lake)	Kenya		36.0000;3.5000	
Rodolfo, lago (see Turkana, lake)	Kenya		36.0000;3.5000	
Rudolf Hayk' (see Turkana, lake)	Kenya		36.0000;3.5000	
Rudolf, lake (see Turkana, lake)	Kenya		36.0000;3.5000	
Rudolph, W side lake (see Turkana, W side lake)	Kenya		36.0000;3.5000	

Turkana, lake (see also: Aman, Anam, Bas, Baso, Basso, Basso Narok, Basso Norok, Fuchich, Galanaboi, Galanaboy, Gallop, Gullop, Lake Rudolf, Lake Turkana, Rodolfo, lago, Rudolf Hayk', Rudolf, lake, yeRudolf Bahir)	Kenya	36.0000;3.5000	
Turkana, lake	Kenya	36.0000;3.5000	
Turkana, W side lake (see also: Lake Rudolph, W side, Lake Turkana, W side, Rudolph, W side lake)	Kenya	36.0000;3.5000	
yeRudolf Bahir (see Turkana, lake)	Kenya	36.0000;3.5000	

NE 03036Ac:

Bat island, near Central island	Kenya	36.0667;3.4500	

NE 03036Aa:

Korau, Turkwell/Suam rivers	Kenya	36.1000;3.1000	

NE 03036Ba:

Loiyangalani, 29 mi [=47 km] N	Kenya	ca. 36.6806;3.1885	

NE 03037Ba:

Marsabit district	Kenya	37.5000;3.0000	

NE 03039Bd:

Takaba, 25 mi [=40 km] WSW (see also: Takabba, 25 mi [=40 km] WSW)	Kenya	39.7500;3.3667	853 m
Takaba, 64.7 km WSW (see also: Takabba, 64.7 km WSW)	Kenya	39.7500;3.3667	853 m
Takabba, 25 mi [=40 km] WSW (see Takaba, 25 mi [=40 km] WSW)	Kenya	39.7500;3.3667	853 m
Takabba, 64.7 km WSW (see Takaba, 64.7 km WSW)	Kenya	39.7500;3.3667	853 m

NE 03040Db:

Mandera district	Kenya	40.7500;3.5000	

NE 03040Ac:

Takaba (see also: Takabba)	Kenya	40.2228;3.3553	606 m
Takabba (see Takaba)	Kenya	40.2228;3.3553	606 m

NE 03041Cc:

Ramu	Kenya	41.2192;3.9208	365 m

NE 03045Dc:

Bulo Bérde (see Buulobarde)	Somalia	45.5667;3.8500	126 m
Bulo Burti (see Buulobarde)	Somalia	45.5667;3.8500	126 m
Buulo (see Buulobarde)	Somalia	45.5667;3.8500	126 m
Buulo Berde (see Buulobarde)	Somalia	45.5667;3.8500	126 m
Buulo Burte (see Buulobarde)	Somalia	45.5667;3.8500	126 m
Buulobarde (see also: Bulo Bérde, Bulo Burti, Buulo, Buulo Berde, Buulo Burte)	Somalia	45.5667;3.8500	126 m

NE 03045Ba:

Eggi, 4 km S (see Eji, 4 km S), N of Mahaddei	Somalia	45.5333;3.1833	100 m
Eji, 4 km S, N of Mahaddei (see also: Eggi, 4 km S)	Somalia	45.5333;3.1833	100 m

NE 02009Dd:

Kiribi (see Kribi)	Cameroon	9.9167;2.9667	
Kiribi, 4 km E (see Kribi, 4 km E)	Cameroon	9.9500;2.9500	

Kiribi, 7 km E (see Kribi, 7 km E)	Cameroon		9.9667;2.9500	
Kiribi, 7 mi [=11.3 km] N (see Kribi, 7 mi [=11.3 km] N)	Cameroon		9.9167;2.9167	
Kiribi, 9 km W (see Kribi, 9 km W)	Cameroon		9.8167;2.9500	
Kribi	Cameroon		9.9167;2.9500	13 m
(see also: Kiribi)				
Kribi, 4 km E	Cameroon		9.9500;2.9500	
(see also: Kiribi, 4 km E)				
Kribi, 7 km E	Cameroon		9.9667;2.9500	
(see also: Kiribi, 7 km E)				
Kribi, 7 mi [=11.3 km] N	Cameroon		9.9167;2.9167	
(see also: Kiribi, 7 mi [=11.3 km] N)				
Kribi, 8 km SE	Cameroon		9.9333;2.9333	
Kribi, 9 km W	Cameroon		9.8167;2.9500	
(see also: Kiribi, 9 km W)				

NE 02009Db:

Lolabé	Cameroon		9.8500;2.6667	

NE 02009Bd:

Campo	Cameroon		9.8167;2.3667	0 m
(see also: Campo Aka, Kampo)				
Campo Aka (see Campo)	Cameroon		9.8167;2.3667	0 m
Kampo (see Campo)	Cameroon		9.8167;2.3667	0 m

NE 02009Bb:

Bata to Ayamiken road, km 25 /35 (see Río Ngomo)	Equatorial Guinea	ca.	9.9739;2.0675	
Ncomacac, near Yengüe, on Río Bitula	Equatorial Guinea		9.8819;2.2031	
(see also: Ncomakak, Nocomakak)				
Ncomakak (see Ncomacac)	Equatorial Guinea		9.8819;2.2031	
Ndjakom (see San Joaquín de Ndyiacom)	Equatorial Guinea		9.9286;2.0292	547 m
Ngomo River (see Río Ngomo)	Equatorial Guinea	ca.	9.9739;2.0675	
Nocomakak (see Ncomacac)	Equatorial Guinea		9.8819;2.2031	
Río Ngomo, km 25 / 35 on Bata to Ayamiken road	Equatorial Guinea	ca.	9.9739;2.0675	
(see also: Bata to Ayamiken road, km 25 /35, Ngomo River)				
San Joaquín de Ndyiacom	Equatorial Guinea		9.9286;2.0292	547 m
(see also: Ndjakom)				
San Joaquín de Ndyiacom to Ayamiken road	Equatorial Guinea	ca.	9.9286;2.0292	
Yengüe, on Río Campo/Río Ntem	Equatorial Guinea		9.8833;2.2167	65 m

NE 02010Cd:

Fenda	Cameroon		10.4000;2.8000	

NE 02010Dc:

Efoulan	Cameroon		10.5333;2.7833	421 m
(see also: Efoulen, Efulan, Efulen, Efulén)				
Efoulen (see Efoulan)	Cameroon		10.5333;2.7833	421 m
Efulan (see Efoulan)	Cameroon		10.5333;2.7833	421 m
Efulen (see Efoulan)	Cameroon		10.5333;2.7833	421 m
Efulén (see Efoulan)	Cameroon		10.5333;2.7833	421 m

NE 02010Db:

Elat	Cameroon		10.8500;2.6667	

NE 02010Ac:

Campo National Park	Cameroon		10.1000;2.3833	
(see also: Campo, Reserve, Réserve de faune de Campo)				
Campo, Reserve (see Campo National Park)	Cameroon		10.1000;2.3833	
Nkoélon village (see Nkoélon-Mvini)	Cameroon		10.0449;2.3972	
Nkoélon-Mvini	Cameroon		10.0449;2.3972	
(see also: Nkoélon village)				
Réserve de faune de Campo (see Campo National Park)	Cameroon		10.1000;2.3833	

NE 02010Bc:

Alen, 3 km W of Maan	Cameroon		10.5667;2.3833	197 m

Ma'an, near Ebolowa	Cameroon		10.6333;2.3667	

NE 02010Aa:

Arroyo Nbuba (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Ayamiken (see also: Aya'miteng)	Equatorial Guinea		10.0222;2.1114	290 m
Aya'miteng (see Ayamiken)	Equatorial Guinea		10.0222;2.1114	290 m
Besabeba	Equatorial Guinea		10.2178;2.0478	252 m
Envuba River (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
M'Boba river (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Mvouba river (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Mvuba River (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Mvuva River (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Mwuba river (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Nvouba river (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Nvuba river, Tributary of Ntem [=Campo] river	Equatorial Guinea	ca.	10.1667;2.1667	
Nvuba River (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Río Envuba (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Río Mvouba (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Río Mvuba (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Río Mvuva (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Río Mwuba (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Río Nvouba (see Río Nvuba)	Equatorial Guinea	ca.	10.1667;2.1667	
Río Nvuba (see also: Arroyo Nbuba, Envuba River, M'Boba river, Mvouba river, Mvuba River, Mvuva River, Mwuba river, Nvouba river, Nvuba River, Río Envuba, Río Mvouba, Río Mvuba, Río Mvuva, Río Mwuba, Río Nvouba)	Equatorial Guinea	ca.	10.1667;2.1667	

NE 02010Ba:

Mekomeseng (see Mikomeseng)	Equatorial Guinea		10.6133;2.1361	323 m
Micomeseng (see Mikomeseng), Mengui river, Yebecon / Mikemele river ?	Equatorial Guinea		10.6133;2.1361	323 m
Micomeseng and Temelón, between (see Mount Temelón Nature Reserve), Nsua river, Asoc	Equatorial Guinea	ca.	10.7000;2.0333	
Mikamesen (see Mikomeseng)	Equatorial Guinea		10.6133;2.1361	323 m
Mikomesen (see Mikomeseng)	Equatorial Guinea		10.6133;2.1361	323 m
Mikomeseng, Menigui river, Yebecon (see also: Mekomeseng, Micomeseng, Mikamesen, Mikomesen)	Equatorial Guinea		10.6133;2.1361	323 m
Mount Temelón Nature Reserve (see also: Micomeseng and Temelón, between, Reserva Natural del Monte Temelón)	Equatorial Guinea	ca.	10.7000;2.0333	
Ncomayos, near Micomiseng (see also: Ncomoyos)	Equatorial Guinea		10.7381;2.1311	366 m
Ncomoyos (see Ncomayos)	Equatorial Guinea		10.7381;2.1311	366 m
Nsua River (see Río Nsua)	Equatorial Guinea	ca.	10.6133;2.1361	
Reserva Natural del Monte Temelón (see Mount Temelón Nature Reserve)	Equatorial Guinea	ca.	10.7000;2.0333	
Río Nsua, near Micomiseng - Temelon road? (see also: Nsua River)	Equatorial Guinea	ca.	10.6133;2.1361	

NE 02010Bb:

Acoc and Micomeseng, between	Equatorial Guinea	ca.	10.9000;2.0833	
Beayop, Loo River / Mikenle River, Micomeseng	Equatorial Guinea		10.8103;2.1511	337 m

NE 02011Cc:

Bébaé (see also: Bebai)	Cameroon		11.0833;2.7500	483 m
Bebai (see Bébaé)	Cameroon		11.0833;2.7500	483 m
Ebolowa	Cameroon		11.1500;2.9000	636 m
Ebolowa, 20 km ESE (see Nkoetyé)	Cameroon		11.1333;2.9167	

NE 02011Cd:

Nkoetyé, 20 km ESE Ebolowa (see also: Ebolowa, 20 km ESE)	Cameroon		11.3167;2.8667	714 m
Ntem department	Cameroon		11.3333;2.7500	

NE 02011Dd:

Foulassi, 6 km NNW Sangmélima (see also: Sangmélima, 6 km NNW)	Cameroon	11.9667;2.9833	565 m
Ngam, 6? km NNW Sangmélima	Cameroon	11.9000;2.7833	592 m
Sangmelima	Cameroon	11.9833;2.9333	
Sangmélima	Cameroon	11.9833;2.9333	543 m
Sangmelima, 4 km NNE	Cameroon	11.9833;2.9333	
Sangmélima, 4 km NNE (see Mintjaminyumin)	Cameroon	11.9833;2.9333	
Sangmélima, 6 km NNW (see Foulassi)	Cameroon	11.9667;2.9833	
Sangmélima, 6? km NNW (see Sangmélima, 6? km NNW) (see also: Sangmélima, 6? km NNW)	Cameroon	11.9833;2.9333	

NE 02011Ac:

Meyo Nkoulou, 15 km SE Ambam	Cameroon	11.0333;2.2667	

NE 02011Ad:

Ambam, 10 km S, 5 km E	Cameroon	11.3167;2.2833	
Ambam, 13 km S, 5 km E	Cameroon	11.3500;2.2667	
Amban, 13 km S, 8 km E	Cameroon	11.3500;2.2667	

NE 02012Cc:

Olounou	Cameroon	12.1333;2.8167	658 m

NE 02012Ac:

Aboulou, 8 km SW Akoabas	Cameroon	12.0667;2.3000	572 m

NE 02012Ad:

Oveng	Cameroon	12.2667;2.4167	608 m

NE 02012Ab:

Minvoul, 28 km ESE (see Projet OIBT trail (PK 24))	Gabon	12.3750;2.0867	600 m
Minvoul, 31 km ESE (see Projet OIBT trail (PK 29))	Gabon	12.4067;2.0800	600 m
Projet OIBT trail (PK 24), 28 km ESE Minvoul (see also: Minvoul, 28 km ESE)	Gabon	12.3750;2.0867	600 m
Projet OIBT trail (PK 29), 31 km ESE Minvoul (see also: Minvoul, 31 km ESE)	Gabon	12.4067;2.0800	600 m

NE 02013Dd:

Kul's (see Zoulabot II)	Cameroon	13.8833;2.9000	517 m
Soulabot (see Zoulabot II)	Cameroon	13.8833;2.9000	517 m
Sulabot (see Zoulabot II)	Cameroon	13.8833;2.9000	517 m
Zoulabot II (see also: Kul's, Soulabot, Sulabot)	Cameroon	13.8833;2.9000	517 m

NE 02013Da:

C39, 30 km N	Cameroon	13.6000;2.6000	

NE 02014Dc:

Moba [stream]	Cameroon	14.5000;2.7833	

NE 02014Ad:

Nki National Park	Cameroon	14.4694;2.4806	

NE 02014Ba:

Bele / Adjola	Cameroon	14.6167;2.2000	

NE 02015Cb:

Kanyol (see also: Kanyol)	Cameroon	15.2833;2.7167	448 m
Kanyol (see Kanyol)	Cameroon	15.2833;2.7167	448 m

NE 02015Ab:

Nguilili	Cameroon	15.3333;2.1167	

NE 02019Cd:

Bonzale	Congo (Democratic Republic of the)	19.3683;2.9586	
Bozade	Congo (Democratic Republic of the)	19.2922;2.9447	
Tandala	Congo (Democratic Republic of the)	19.3500;2.9667	456 m

NE 02020Ad:

Busu Mokalu (see Busu-Mokala)	Congo (Democratic Republic of the)	20.2500;2.3333	
Busu-Mokala (see also: Busu Mokalu)	Congo (Democratic Republic of the)	20.2500;2.3333	

NE 02020Bc:

Binga	Congo (Democratic Republic of the)	20.5000;2.3833	397 m

NE 02021Cd:

Gala (see Gumba)	Congo (Democratic Republic of the)	21.4333;2.9500	412 m
Gumba (see also: Gala)	Congo (Democratic Republic of the)	21.4333;2.9500	412 m

NE 02021Da:

Bwandza	Congo (Democratic Republic of the)	21.7422;2.6156	

NE 02021Db:

Bombia Bonelu	Congo (Democratic Republic of the)	21.7853;2.5750	
Yalosemba (see also: Yalosembe, Yalosombo)	Congo (Democratic Republic of the)	21.7833;2.5833	422 m
Yalosembe (see Yalosemba)	Congo (Democratic Republic of the)	21.7833;2.5833	422 m
Yalosombo (see Yalosemba)	Congo (Democratic Republic of the)	21.7833;2.5833	422 m
Yamazo Yamono	Congo (Democratic Republic of the)	21.7853;2.5750	
Yambombo	Congo (Democratic Republic of the)	21.7853;2.5750	

NE 02021Bd:

Yambasa (see Yambata)	Congo (Democratic Republic of the)	21.9667;2.4333	414 m
Yambata (see also: Yambasa)	Congo (Democratic Republic of the)	21.9667;2.4333	414 m

NE 02021Ba:

Bolafa	Congo (Democratic Republic of the)	21.6167;2.1333	
Lisala (see also: Lizala)	Congo (Democratic Republic of the)	21.5167;2.1500	409 m

Lisala territory	Congo (Democratic Republic of the)	21.5167;2.1500	
Lizala (see Lisala)	Congo (Democratic Republic of the)	21.5167;2.1500	409 m

NE 02022Cd:

Badjoki - Bumba (see Bodjoki - Bumba)	Congo (Democratic Republic of the)	22.3000;2.9833	441 m
Bodjoki - Bumba (see also: Badjoki - Bumba)	Congo (Democratic Republic of the)	22.3000;2.9833	441 m
Bombanga - Bumba	Congo (Democratic Republic of the)	22.2667;2.8000	

NE 02022Ab:

Bumba	Congo (Democratic Republic of the)	22.4667;2.1833	419 m
Bumba territory	Congo (Democratic Republic of the)	22.4667;2.1833	

NE 02022Bb:

Kona	Congo (Democratic Republic of the)	22.7833;2.0333	
Moenge	Congo (Democratic Republic of the)	22.8650;2.0500	508 m

NE 02023Dd:

Aketi (see also: Port Chaltin)	Congo (Democratic Republic of the)	23.9333;2.8333	ca. 500 m
Port Chaltin (see Aketi)	Congo (Democratic Republic of the)	23.9333;2.8333	ca. 500 m

NE 02023Da:

Ibembo	Congo (Democratic Republic of the)	23.6167;2.6333	420 m

NE 02024Cc:

Djamba	Congo (Democratic Republic of the)	24.0333;2.8833	419 m
Likati River	Congo (Democratic Republic of the)	24.0485;2.8962	

NE 02024Dc:

Buta	Congo (Democratic Republic of the)	24.7333;2.8000	434 m
Koteli (see Kotili)	Congo (Democratic Republic of the)	24.5500;2.8667	432 m
Kotili (see also: Koteli)	Congo (Democratic Republic of the)	24.5500;2.8667	432 m

NE 02024Dd:

Melume	Congo (Democratic Republic of the)	24.9333;2.9694	508 m

NE 02024Bd:

Rubi-Tele	Congo (Democratic Republic of the)	24.9892;2.3086	
Sukisa	Congo (Democratic Republic of the)	24.9881;2.3181	470 m

NE 02025Dd:

Zobia	Congo (Democratic Republic of the)	25.9333;2.9667	609 m

NE 02026Dd:

Akenge (see Akengei)	Congo (Democratic Republic of the)	26.8333;2.9333	654 m
Akengei (see also: Akenge)	Congo (Democratic Republic of the)	26.8333;2.9333	654 m

NE 02026Ad:

Niapu	Congo (Democratic Republic of the)	26.4667;2.4167	619 m

NE 02027Dc:

Isirio (see Isiro)	Congo (Democratic Republic of the)	27.6167;2.7667	730 m
Isiro (see also: Isirio, Paulis)	Congo (Democratic Republic of the)	27.6167;2.7667	730 m
Paulis (see Isiro)	Congo (Democratic Republic of the)	27.6167;2.7667	730 m

NE 02027Dd:

Penge	Congo (Democratic Republic of the)	27.9167;2.8000	828 m

NE 02027Ca:

Medje, about 30 mi [=48 km] ENE (see Pawa)	Congo (Democratic Republic of the)	27.0667;2.5167	

NE 02027Da:

Mayumbe	Congo (Democratic Republic of the)	27.6167;2.5000	678 m
Mayumbe, near	Congo (Democratic Republic of the)	ca. 27.6167;2.5000	
Pawa, about 30 mi ENE Medje (see also: Medje, about 30 mi [=48 km] ENE)	Congo (Democratic Republic of the)	27.7028;2.5267	696 m

NE 02027Ad:

Medja (see Medje)	Congo (Democratic Republic of the)	27.3000;2.4167	617 m
Medje (see also: Medja)	Congo (Democratic Republic of the)	27.3000;2.4167	617 m

NE 02027Bc:

Dambi (see Ibambi)	Congo (Democratic Republic of the)	27.6167;2.3667	687 m
Ibambi (see also: Dambi, Idambi)	Congo (Democratic Republic of the)	27.6167;2.3667	687 m
Idambi (see Ibambi)	Congo (Democratic Republic of the)	27.6167;2.3667	687 m

NE 02027Ab:

Gamangui	Congo (Democratic Republic of the)	27.2500;2.1667	600 m

NE 02027Ba:

Bafuaboka (see Bafwabaka)	Congo (Democratic Republic of the)	27.6667;2.1167	631 m
Bafwabaka (see also: Bafuaboka, Bafwaboka)	Congo (Democratic Republic of the)	27.6667;2.1167	631 m
Bafwaboka (see Bafwabaka)	Congo (Democratic Republic of the)	27.6667;2.1167	631 m

NE 02028Bb:

Alambi	Congo (Democratic Republic of the)	28.8167;2.1167	913 m

NE 02029Dc:

Arebi	Congo (Democratic Republic of the)	29.6737;2.8593	
Arebi Bondo Mabe	Congo (Democratic Republic of the)	29.5833;2.7833	

NE 02029Da:

Bondo Mabe, near Arebi ?	Congo (Democratic Republic of the)	29.5667;2.6000	

NE 02030Da:

Karekere (see Kerekere)	Congo (Democratic Republic of the)	30.5500;2.7000	1158 m
Kere Kere (see Kerekere)	Congo (Democratic Republic of the)	30.5500;2.7000	1158 m
Kerekere (see also: Karekere, Kere Kere)	Congo (Democratic Republic of the)	30.5500;2.7000	1158 m

NE 02030Bd:

Mahagi (see also: Mahaji)	Congo (Democratic Republic of the)	30.9833;2.3000	1671 m
Mahagi territory	Congo (Democratic Republic of the)	30.9833;2.3000	
Mahaji (see Mahagi)	Congo (Democratic Republic of the)	30.9833;2.3000	1671 m

NE 02030Ba:

Fataki	Congo (Democratic Republic of the)	30.5667;2.0000	1611 m
Fataki area	Congo (Democratic Republic of the)	30.6333;2.0167	ca. 1750 m
Nioka	Congo (Democratic Republic of the)	30.6500;2.1667	1793 m

NE 02030Bb:

Fundi	Congo (Democratic Republic of the)	30.7667;2.1000	1942 m
Ogondjo	Congo (Democratic Republic of the)	30.9331;2.1831	1700 m
Rethy (see also: Reti, Retshi, Retsi, Rety)	Congo (Democratic Republic of the)	30.8961;2.0864	2116 m
Reti (see Rethy)	Congo (Democratic Republic of the)	30.8961;2.0864	2116 m
Retshi (see Rethy)	Congo (Democratic Republic of the)	30.8961;2.0864	2116 m
Retsi (see Rethy)	Congo (Democratic Republic of the)	30.8961;2.0864	2116 m
Rety (see Rethy)	Congo (Democratic Republic of the)	30.8961;2.0864	2116 m

NE 02031Cd:

Rhino Camp, Nile province, West Nile dist.	Uganda	31.4111;2.9639	

NE 02031Ca:

Arua, 97 km S (see Goli)	Uganda	31.1111;2.6836	
Goli, 97 km S Arua (see also: Arua, 97 km S)	Uganda	31.1111;2.6836	

NE 02031Ac:

Niarembe (see also: Niarombe)	Congo (Democratic Republic of the)	31.1167;2.2500	1382 m
Niarombe (see Niarembe)	Congo (Democratic Republic of the)	31.1167;2.2500	1382 m

NE 02031Ad:

Buligi	Uganda	31.3833;2.2667	762 m

NE 02031Bc:

Kabalega Falls	Uganda	31.6833;2.2833	
Kabarega Falls	Uganda	31.6833;2.2833	
Murchison Falls	Uganda	31.6833;2.2833	3500 ft
Paraa (see also: Paraa Lodge, Paraa Safari Lodge)	Uganda	31.5775;2.2918	914 m
Paraa Lodge (see Paraa)	Uganda	31.5775;2.2918	914 m
Paraa Safari Lodge (see Paraa)	Uganda	31.5775;2.2918	914 m

NE 02031Aa:

Kasengi (see Kasengu), near Lake Albert	Congo (Democratic Republic of the)	31.0850;2.1364	1532 m
Kasengu, near Lake Albert (see also: Kasengi)	Congo (Democratic Republic of the)	31.0850;2.1364	1532 m
Mahagi Port, Lake Albert (see also: Mahaji Port)	Congo (Democratic Republic of the)	31.2333;2.1500	679 m
Mahaji Port (see Mahagi Port), Lake Albert	Congo (Democratic Republic of the)	31.2333;2.1500	679 m

NE 02031Bb:

Kabalega Falls National Park (see also: Kabalega National Park , Kabarega National Park , Kabarenga National Park , Murchison Falls National Park, Murchison Falls Park)	Uganda	31.8111;2.1461	610 m
Murchison Falls National Park (see Kabalega Falls National Park)	Uganda	31.8111;2.1461	610 m
Murchison Falls Park (see Kabalega Falls National Park)	Uganda	31.8111;2.1461	610 m

NE 02032Cd:

Gulu	Uganda	32.3056;2.7667	1077 m

NE 02032Dd:

Pajule	Uganda	32.9439;2.9397	1006 m

NE 02033Cd:

Amiel, 45 mi ESE Kitgum (see also: Kitgum, 45 mi [=72 km] ESE)	Uganda	33.4500;2.9667	1137 m
Kitgum, 45 mi [=72 km] ESE (see Amiel)	Uganda	33.4500;2.9667	1137 m

NE 02033Ba:

Amuria	Uganda	33.6511;2.0036	1096 m
Soroti, 25 mi [=40 km] N	Uganda	33.6167;2.0829	1219 m

NE 02034Cd:

Karamoja (former) district, S of	Uganda	34.2500;2.7500	

NE 02034Db:

Moroto, mount (see also: Mount Moroto, Mount Sokdek, Sokdek, mount)	Uganda	34.7667;2.5333	
Mount Moroto (see Moroto, mount)	Uganda	34.7667;2.5333	1500 m

Mount Sokdek (see Moroto, mount)	Uganda		34.7667;2.5333	
Sokdek, mount (see Moroto, mount)	Uganda		34.7667;2.5333	

NE 02034Ad:

Kangole Roman Catholic Mission	Uganda		34.4869;2.4356	

NE 02034Bc:

Lotome	Uganda		34.5694;2.3344	1271 m
Maroto (see Moroto)	Uganda		34.6694;2.4958	1360 m
Moroto (see also: Maroto)	Uganda		34.6694;2.4958	1360 m

NE 02034Ba:

Ngora	Uganda		34.6333;2.0500	

NE 02035Cc:

Lodwar, 96 km W (see Loiya)	Kenya		35.0312;2.9887	
Loiya, 96 km W Lodwar (see also: Lodwar, 96 km W)	Kenya		35.0312;2.9887	

NE 02035Ab:

Kaputir	Kenya		35.4833;2.0833	750 m

NE 02035Bb:

Akuryo waterhole, near, 16 km SW Loperot (see also: Loperot, 16 km SW)	Kenya	ca.	35.7646;2.2118	
Loperot, 16 km SW (see Akuryo waterhole, near)	Kenya	ca.	35.7646;2.2118	

NE 02036Cc:

Kerio river	Kenya		36.1167;2.9833	

NE 02036Dc:

El Molo island, 6 km from Loiyangalani (see also: Loiyangalani, 6 km from)	Kenya	ca.	36.7000;2.8500	
Loiyangalani, 6 km from (see El Molo island)	Kenya	ca.	36.7000;2.8500	

NE 02036Ac:

Kangatet	Kenya	ca.	36.1679;2.2513	

NE 02036Bb:

Ng'enyi	Kenya		36.8000;2.1667	

NE 02037Bd:

Lake Paradise (see Sokorte Guda)	Kenya		37.9352;2.2621	
Marsabit road	Kenya		37.9833;2.3333	
Marsabit, mount (see also: Mount Marsabit)	Kenya		37.9448;2.2901	
Mount Marsabit (see Marsabit, mount)	Kenya		37.9448;2.2901	1219 m
Paradise, lake (see Sokorte Guda)	Kenya		37.9352;2.2621	
Sokorte Guda (see also: Lake Paradise, Paradise, lake)	Kenya		37.9352;2.2621	

NE 02044Bb:

Afgoi, 6 km S, 17 km W (see Libsoma farm)	Somalia		44.9667;2.0833	
Libsoma farm, 6 km S, 17 km W of Afgoi, Mordinle (see also: Afgoi, 6 km S, 17 km W)	Somalia		44.9667;2.0833	

NE 02045Dc:

Giohar (see Jawhar)	Somalia		45.5167;2.7667	100 m

Giohar, 1.5 km S, 0.5 km E (see Snai Sugar Plantation)	Somalia		45.5167;2.7667	
Jawhar (see also: Giohar, Johar, Joher, Joowhar, Jowhar, Villa del dottore Abruzzi, Villa Duca Abruzzi, Villaggio Duca Abruzzi, Villaggio Duca degli Abruzzi)	Somalia		45.5167;2.7667	100 m
Johar (see Jawhar)	Somalia		45.5167;2.7667	100 m
Joher (see Jawhar)	Somalia		45.5167;2.7667	100 m
Joowhar (see Jawhar)	Somalia		45.5167;2.7667	100 m
Jowhar (see Jawhar)	Somalia		45.5167;2.7667	100 m
Snai Sugar Plantation, 1.5 km S, 0.5 km E Giohar (see also: Giohar, 1.5 km S, 0.5 km E)	Somalia		45.5167;2.7667	
Villa del dottore Abruzzi (see Jawhar)	Somalia		45.5167;2.7667	100 m
Villa Duca Abruzzi (see Jawhar)	Somalia		45.5167;2.7667	100 m
Villaggio Duca Abruzzi (see Jawhar)	Somalia		45.5167;2.7667	100 m
Villaggio Duca degli Abruzzi (see Jawhar)	Somalia		45.5167;2.7667	100 m

NE 02045Ad:

Balad (see Balcad)	Somalia		45.3833;2.3500	84 m
Balad, 1 mi [=1.6 km] S (see Balcad, 1 mi [=1.6 km] S)	Somalia	ca.	45.3833;2.3500	
Balad, 5 mi [=8 km] S (see Balcad, 5 mi [=8 km] S)	Somalia	ca.	45.3833;2.3500	
Balcad (see also: Balad)	Somalia		45.3833;2.3500	84 m
Balcad, 1 mi [=1.6 km] S (see also: Balad, 1 mi [=1.6 km] S)	Somalia	ca.	45.3833;2.3500	
Balcad, 5 mi [=8 km] S (see also: Balad, 5 mi [=8 km] S)	Somalia	ca.	45.3833;2.3500	

NE 02045Aa:

Afgoi (see Afgooye)	Somalia		45.1167;2.1500	77 m
Afgooye (see also: Afgoi, Afgoye, Asgoi)	Somalia		45.1167;2.1500	77 m
Afgoye (see Afgooye)	Somalia		45.1167;2.1500	77 m
Asgoi (see Afgooye)	Somalia		45.1167;2.1500	77 m

NE 02045Ab:

Hamar (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Magadiscio (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Maqdishu (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Mogadiisho (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Mogadischu (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Mogadiscio (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Mogadiscio (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Mogadish (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Mogadishiu (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Mogadisho (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Mogadishu (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Mogadishu, 3 mi [=4.8 km] N (see Muqdisho, 3 mi [=4.8 km] N)	Somalia	ca.	45.3667;2.0667	
Mogadisio, 3 mi [=4.8 km] N (see Muqdisho, 3 mi [=4.8 km] N)	Somalia	ca.	45.3667;2.0667	
Moqdisho (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Muqdisho (see also: Hamar, Magadiscio, Maqdishu, Mogadiisho, Mogadischu, Mogadiscio, Mogadiscio, Mogadish, Mogadishiu, Mogadisho, Mogadishu, Moqdisho, Muqdishow, Muqdishu, Xamar)	Somalia		45.3667;2.0667	28 m
Muqdisho, 3 mi [=4.8 km] N (see also: Mogadishu, 3 mi [=4.8 km] N, Mogadisio, 3 mi [=4.8 km] N)	Somalia	ca.	45.3667;2.0667	
Muqdishow (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Muqdishu (see Muqdisho)	Somalia		45.3667;2.0667	28 m
Xamar (see Muqdisho)	Somalia		45.3667;2.0667	28 m

NE 02045Ba:

Mallable	Somalia		45.6167;2.2000	5 m

NE 01005Bc:

Annobon Airport	Equatorial Guinea		5.6228;1.4089	

NE 01007Cb:

Bela Vista, Río Papaga	São Tomé and Principé		7.4167;1.6167	
Bela Vista, 5 km S, Río Papagaio	São Tomé and Principé	ca.	7.3942;1.5775	
Belo Monte	São Tomé and Principé		7.4500;1.6833	508 m
Bombon island (see also: Islot de Bombon)	São Tomé and Principé		7.4025;1.6981	
Cidade de Santo António (see Santo António)	São Tomé and Principé		7.4167;1.6667	
Islot de Bombon (see Bombon island)	São Tomé and Principé		7.4025;1.6981	
Morro Fundão	São Tomé and Principé		7.3833;1.6167	
Pico Papagio and Morro Fundão, hill between	São Tomé and Principé		7.3903;1.6122	
Porto Real, Esperanza (see also: Puerto Real)	São Tomé and Principé		7.4053;1.6239	
Principe (see Principé island)	São Tomé and Principé	ca.	7.4167;1.6167	
Principé island (see also: Principe)	São Tomé and Principé	ca.	7.4167;1.6167	
Puerto Real (see Porto Real)	São Tomé and Principé		7.4053;1.6239	
Ribeira Izé, between San António and Sundi, Ponte Ministro	São Tomé and Principé	ca.	7.3939;1.6611	
San Antonio (see Santo António)	São Tomé and Principé		7.4167;1.6667	
Santo António, Río Papagio (see also: Cidade de Santo António, San Antonio, Santo António, 1 km S, São Antõnio)	São Tomé and Principé		7.4167;1.6667	
Santo António, 1 km S (see Santo António), Río Papagio	São Tomé and Principé	ca.	7.4167;1.6667	
São Antõnio (see Santo António)	São Tomé and Principé		7.4167;1.6667	
São João	São Tomé and Principé		7.4333;1.6500	
São Mateus, between Santo Antonio and Puerto Real	São Tomé and Principé		7.4000;1.6333	252 m

NE 01009Dc:

Bome, near Bata	Equatorial Guinea		9.7347;1.7875	
Bome, 10 km from	Equatorial Guinea	ca.	9.7333;1.7833	
Cugu River (see Río Ecuco)	Equatorial Guinea		9.7453;1.8306	
Ecuco River (see Río Ecuco)	Equatorial Guinea		9.7453;1.8306	
Ecucu River (see Río Ecuco)	Equatorial Guinea		9.7453;1.8306	
Ekuko River (see Río Ecuco)	Equatorial Guinea		9.7453;1.8306	
Ekuku River (see Río Ecuco)	Equatorial Guinea		9.7453;1.8306	
Río Cugu (see Río Ecuco)	Equatorial Guinea		9.7453;1.8306	
Río Ecuco, near Bata (see also: Cugu River, Ecuco River, Ecucu River, Ekuko River, Ekuku River, Río Cugu, Río Ecucu, Río Ekuko, Río Ekuku)	Equatorial Guinea		9.7453;1.8306	
Río Ecucu (see Río Ecuco)	Equatorial Guinea		9.7453;1.8306	
Río Ekuko (see Río Ecuco)	Equatorial Guinea		9.7453;1.8306	
Río Ekuku (see Río Ecuco)	Equatorial Guinea		9.7453;1.8306	

NE 01009Dd:

Akoko River (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Aman, 10 km from Bata, on road to Mbini (see also: Bata, 10 km from, on road to Mbini)	Equatorial Guinea		9.7756;1.7717	592 m
Asonga, near Bata	Equatorial Guinea		9.8167;1.8500	0 m
Asonga - Bata road	Equatorial Guinea	ca.	9.8000;1.8606	
Asonga, 1 km from	Equatorial Guinea	ca.	9.8000;1.8606	
Asonga, near	Equatorial Guinea	ca.	9.8167;1.8500	

Bata (see also: Exfosa, Kokapipa, La Salle, Mbangan (district), Praderas Asonga, San Pedro de Lea (district))	Equatorial Guinea		9.7500;1.8500	
Bata - Ayamiken road, km 25, Ngongo river?	Equatorial Guinea	ca.	9.9167;1.9833	
Bata - Enbia road	Equatorial Guinea	ca.	9.8167;1.8500	
Bata International Airport	Equatorial Guinea		9.8000;1.9000	
Bata to Niefang road, km 3	Equatorial Guinea	ca.	9.8606;1.8561	
Bata, 10 km from, on road to Mbini (see Aman)	Equatorial Guinea		9.7756;1.7717	592 m
Bata, aledores de la ciudad (see Bata, outskirts)	Equatorial Guinea	ca.	9.7500;1.8500	
Bata, outskirts (see also: Bata, aledores de la ciudad)	Equatorial Guinea	ca.	9.7500;1.8500	
Bicomo, near Bata (see also: Micomo)	Equatorial Guinea		9.8711;1.7919	615 m
Bicomo, near	Equatorial Guinea	ca.	9.8711;1.7919	
Boara River (see Río Boara)	Equatorial Guinea		9.7608;1.7928	
Buara River (see Río Boara)	Equatorial Guinea		9.7608;1.7928	
Ecucu (see also: Ekuku, Etiani's, Etiany)	Equatorial Guinea		9.7500;1.8333	548 m
Ekuku (see Ecucu)	Equatorial Guinea		9.7500;1.8333	548 m
Etiani's (see Ecucu)	Equatorial Guinea		9.7500;1.8333	548 m
Etiany (see Ecucu)	Equatorial Guinea		9.7500;1.8333	548 m
Exfosa (see Bata)	Equatorial Guinea		9.7500;1.8500	
Finca Los Cocos, near Bata	Equatorial Guinea	ca.	9.7500;1.8333	
Hacienda Ukomba, near Bata (see also: Ukomba)	Equatorial Guinea	ca.	9.7500;1.8333	
Hotel Media Luna, near Bata International Airport	Equatorial Guinea	ca.	9.8000;1.9000	
Kokapipa (see Bata)	Equatorial Guinea		9.7500;1.8500	
La Salle (see Bata)	Equatorial Guinea		9.7500;1.8500	
Mbangan (district) (see Bata)	Equatorial Guinea		9.7500;1.8500	
Mican, 32 km on the Bata - Niefang road	Equatorial Guinea		9.9808;1.8653	
Micomo (see Bicomo)	Equatorial Guinea		9.8711;1.7919	615 m
Movo and Bata, between	Equatorial Guinea	ca.	9.7728;1.8064	
Ntono River (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Olende River (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Otonde River (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Otondo River (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Praderas Asonga (see Bata)	Equatorial Guinea		9.7500;1.8500	
Río Akoko (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Río Boara, affluent of Río Ecucu (see also: Boara River, Buara River, Río Buara)	Equatorial Guinea		9.7608;1.7928	
Río Buara (see Río Boara)	Equatorial Guinea		9.7608;1.7928	
Río Ntono (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Río Olende (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Río Otonde (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Río Otondo (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Río Utonde, near Bata (see also: Akoko River, Ntono River, Olende River, Otonde River, Otondo River, Río Akoko, Río Ntono, Río Olende, Río Otonde, Río Otondo, Río Utonde, banks, Río Utondo, Utonde River, Utondo River)	Equatorial Guinea		9.8114;1.9433	
Río Utonde, banks (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Río Utondo (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
San Pedro de Lea (district) (see Bata)	Equatorial Guinea		9.7500;1.8500	
Ukomba (see Hacienda Ukomba), near Bata	Equatorial Guinea	ca.	9.7500;1.8333	
Utonde River (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	
Utondo River (see Río Utonde)	Equatorial Guinea		9.8114;1.9433	

NE 01009Da:

Bata, 30 km S (see Micomibe)	Equatorial Guinea		9.7158;1.6631	508 m
Benito (see Mbini)	Equatorial Guinea		9.6167;1.5833	343 m
Benito River	Equatorial Guinea	ca.	9.6167;1.6000	
Benito River, 15 mi [=24 km] from mouth	Equatorial Guinea	ca.	9.6167;1.6000	
Bofondo (see Bolondo)	Equatorial Guinea		9.6167;1.6167	343 m
Bolondo (see also: Bofondo)	Equatorial Guinea		9.6167;1.6167	343 m
Mbini (see also: Benito, Río Benito, San Benito)	Equatorial Guinea		9.6167;1.5833	343 m
Mbini - Ayasong road, km 3	Equatorial Guinea	ca.	9.6297;1.5919	
Micomibe, 30 km S Bata (see also: Bata, 30 km S, Mikomibe, Mikonibe)	Equatorial Guinea		9.7158;1.6631	508 m
Mikomibe (see Micomibe)	Equatorial Guinea		9.7158;1.6631	508 m
Mikonibe (see Micomibe)	Equatorial Guinea		9.7158;1.6631	508 m

Río Benito (see Mbini)	Equatorial Guinea		9.6167;1.5833	343 m
San Benito (see Mbini)	Equatorial Guinea		9.6167;1.5833	343 m

NE 01009Ad:

Aye river delta	Equatorial Guinea	ca.	9.4625;1.3508	
Aye River, mouth (see Río Ayé, mouth)	Equatorial Guinea		9.4625;1.3508	
Río Ayé, mouth (see also: Aye River, mouth)	Equatorial Guinea		9.4625;1.3508	

NE 01009Bd:

Evuenam (see also: Evuennam)	Equatorial Guinea		9.7833;1.4833	469 m
Evuennam (see Evuenam)	Equatorial Guinea		9.7833;1.4833	469 m

NE 01009Ba:

Akaloyong, 20 km N (see Bonobono)	Equatorial Guinea		9.6194;1.2453	508 m
Banapa	Equatorial Guinea		9.7000;1.0833	115 m
Bonobono, 20 km N Akaloyong (see also: Akaloyong, 20 km N)	Equatorial Guinea		9.6194;1.2453	508 m

NE 01010Cc:

Alosa, near Niefang (see also: Finca Bartolomé)	Equatorial Guinea	ca.	10.2333;1.8500	400 m
Alosa, forest exploitation near	Equatorial Guinea	ca.	10.2333;1.8500	400 m
Arroyo Bicaba (see also: Bicaba River, Río Bicaba)	Equatorial Guinea	ca.	10.2436;1.7922	
Bicaba River (see Arroyo Bicaba)	Equatorial Guinea	ca.	10.2436;1.7922	
Callado Monte Alen, Limite Evinayong Niefang	Equatorial Guinea		10.1167;1.8500	400 m
Finca Bartolomé (see Alosa)	Equatorial Guinea	ca.	10.2333;1.8500	400 m
Finca Niefang (see Sevilla de Niefang)	Equatorial Guinea		10.2331;1.8433	
Mfaman, near Niefang (see also: Nfaman)	Equatorial Guinea		10.2322;1.9153	358 m
Minkan, near Niefang, on Rio Ekuku	Equatorial Guinea	ca.	10.1167;1.8333	
Nfaman (see Mfaman)	Equatorial Guinea		10.2322;1.9153	358 m
Niefang (see Sevilla de Niefang)	Equatorial Guinea		10.2331;1.8433	
Niefang, 5 km from	Equatorial Guinea	ca.	10.2331;1.8433	
Niefang, Forestry Service (see Sevilla de Niefang), Benito River	Equatorial Guinea		10.2331;1.8433	
Río Bicaba (see Arroyo Bicaba)	Equatorial Guinea	ca.	10.2436;1.7922	
Sevilla de Niefang (see also: Finca Niefang, Niefang, Niefang, Forestry Service)	Equatorial Guinea		10.2331;1.8433	

NE 01010Cd:

Borg, mount (see Mokula)	Equatorial Guinea		10.2833;1.8833	
Engong, near Río Lobo, Evinayong	Equatorial Guinea		10.2833;1.8833	325 m
Mount Borg	Equatorial Guinea		10.2833;1.8833	

NE 01010Ca:

Aninzok (see Anisoc)	Equatorial Guinea		10.0667;1.6000	
Aninzok, 4 km W (see Anisoc)	Equatorial Guinea	ca.	10.0667;1.6000	
Anisoc (see also: Aninzok, Aninzok, 4 km W)	Equatorial Guinea		10.0667;1.6000	
Anisoc, 4 km W	Equatorial Guinea	ca.	10.0667;1.6000	
Arroyo Mikémele (see also: Mikémele River, Río Mikémele)	Equatorial Guinea	ca.	10.0786;1.5764	
Benito River, 30 mi [=48 km] from mouth	Equatorial Guinea		10.0534;1.6000	76 m
Evinayong, agricultural extension	Equatorial Guinea	ca.	10.1833;1.7167	
Mikémele River (see also: Rio Mikémele)	Equatorial Guinea		10.0786;1.5764	
Mikémele River (see Arroyo Mikémele)	Equatorial Guinea	ca.	10.0786;1.5764	
Niefang - Evinayong, cave near	Equatorial Guinea	ca.	10.1833;1.7167	
Río Mikémele (see Arroyo Mikémele)	Equatorial Guinea	ca.	10.0786;1.5764	
Rio Mikémele (see Mikémele River)	Equatorial Guinea	ca.	10.0786;1.5764	
Yen, Río Bicaba, Evinayong	Equatorial Guinea		10.1536;1.7158	341 m

NE 01010Cb:

Cueva de Esong (see Moka)	Equatorial Guinea	ca.	10.4000;1.5667	400 m
Cueva Moro (see Moka)	Equatorial Guinea	ca.	10.4000;1.5667	400 m
Ebalowa, between Evinayong and Niefang	Equatorial Guinea	ca.	10.3347;1.5936	400 m
Esong cave (see Moka), near Evinayong - Niefang road	Equatorial Guinea	ca.	10.4000;1.5667	400 m
Moka, on/near Rio Lobo, on Evinayong - Niefang road (see also: Cueva de Esong, Cueva Moro, Esong cave, Moro cave)	Equatorial Guinea	ca.	10.4000;1.5667	400 m
Monte Alen, on Evinayong - Niefan road	Equatorial Guinea		10.3053;1.6667	508 m
Moro cave (see Moka)	Equatorial Guinea	ca.	10.4000;1.5667	400 m
Ncumeken (see Ncumekie), on Niefang - Evinayong road	Equatorial Guinea		10.3628;1.5692	561 m
Ncumekie, on Niefang - Evinayong road (see also: Ncumeken)	Equatorial Guinea		10.3628;1.5692	561 m
Niefang to Evinayong road, km 40	Equatorial Guinea	ca.	10.3789;1.5728	
Río Lobo, near Niefang ?	Equatorial Guinea	ca.	10.3833;1.5333	

NE 01010Db:

Evoardulu (see also: Evodulo)	Equatorial Guinea		10.8667;1.5581	508 m
Evodulo (see Evoardulu)	Equatorial Guinea		10.8667;1.5581	508 m

NE 01010Bc:

Ebinayon (see Evinayong)	Equatorial Guinea		10.5511;1.4367	628 m
Ebinayong (see Evinayong)	Equatorial Guinea		10.5511;1.4367	628 m
Ebineyon (see Evinayong)	Equatorial Guinea		10.5511;1.4367	628 m
Ebinoyon (see Evinayong)	Equatorial Guinea		10.5511;1.4367	628 m
Evinayong (see also: Ebinayon, Ebinayong, Ebineyon, Ebinoyon)	Equatorial Guinea		10.5511;1.4367	628 m
Evinayong to Aconibe road, km 23 (see Noayong)	Equatorial Guinea		10.7000;1.3703	571 m
Miong River (see Río Miong)	Equatorial Guinea	ca.	10.7000;1.3703	
Noayong, 23 km on Evinayong to Aconibe road (see also: Evinayong to Aconibe road, km 23, Orillas del Miong)	Equatorial Guinea		10.7000;1.3703	571 m
Orillas del Miong (see Noayong)	Equatorial Guinea		10.7000;1.3703	571 m
Río Miong, on road from Noayong to Evinayong (see also: Miong River)	Equatorial Guinea	ca.	10.7000;1.3703	

NE 01010Bd:

Acocseng and Aconibe, between (see Nzas cave)	Equatorial Guinea	ca.	10.9714;1.3097	
Ctra Evinayong - Aconibe (see Evinayong - Aconibe, between)	Equatorial Guinea	ca.	10.7500;1.3167	
Cueva Nzas (see Nzas cave)	Equatorial Guinea	ca.	10.9714;1.3097	
Etom	Equatorial Guinea		10.8542;1.3183	582 m
Evinayong - Aconibe, between (see also: Ctra Evinayong - Aconibe)	Equatorial Guinea	ca.	10.7500;1.3167	
Nzas cave, between Acocseng and Aconibe (see also: Acocseng and Aconibe, between, Cueva Nzas)	Equatorial Guinea	ca.	10.9714;1.3097	

NE 01011Cc:

Adurelan (see Adurelang)	Equatorial Guinea		11.2050;1.9681	508 m
Adurelang, near Ebebiying ? (see also: Adurelan)	Equatorial Guinea		11.2050;1.9681	508 m

NE 01011Ca:

Ayene, near Mongomo	Equatorial Guinea		11.0550;1.5231	508 m

NE 01011Cb:

Mongomo to Asork [=Nsork] road, km 10	Equatorial Guinea	ca.	11.3008;1.5283	
Mongomo to Ebebiying road, km 10	Equatorial Guinea	ca.	11.2578;1.6939	

NE 01011Da:

Oyem	Gabon		11.5753;1.5983	552 m

NE 01011Ac:

Arroyo Ntugu, near Acocseng, Aconibe (see also: Ntugu River, Río Ntugu)	Equatorial Guinea	ca.	11.0672;1.4503	
Mvom (see also: Nvom)	Equatorial Guinea		11.2186;1.3769	553 m
Ntugu River (see Arroyo Ntugu)	Equatorial Guinea	ca.	11.0672;1.4503	
Nvom (see Mvom)	Equatorial Guinea		11.2186;1.3769	553 m
Obamicu	Equatorial Guinea		11.0333;1.2500	539 m
Río Ntugu (see Arroyo Ntugu)	Equatorial Guinea	ca.	11.0672;1.4503	

NE 01011Ad:

Cueva de Ndume (see Ndume cave)	Equatorial Guinea	ca.	11.2789;1.3056	
Cueva de Ndumu (see Ndume cave)	Equatorial Guinea	ca.	11.2789;1.3056	
Cueva de Ndumun (see Ndume cave), 35 km from Nsork	Equatorial Guinea	ca.	11.2789;1.3056	
Mongomo to Nsoc road, km 35 (see Ndume cave)	Equatorial Guinea	ca.	11.2789;1.3056	
Ndume cave, 35 km on Mongomo to Nsoc road (see also: Cueva de Ndume, Cueva de Ndumu, Cueva de Ndumun, Mongomo to Nsoc road, km 35, Ndumu cave)	Equatorial Guinea	ca.	11.2789;1.3056	
Ndumu cave (see Ndume cave)	Equatorial Guinea	ca.	11.2789;1.3056	

NE 01011Aa:

Mokula (see also: Borg, mount, Uokula)	Equatorial Guinea		11.1632;1.0465	
Uokula (see Mokula)	Equatorial Guinea		11.1632;1.0465	

NE 01011Ab:

Acoaesakira, 3 km on Nsork to Akum road (see also: Acoesakira, Akosakira, Nsork to Akum road, km 3)	Equatorial Guinea		11.2575;1.1089	511 m
Acoesakira (see Acoaesakira), 3 km on Nsork to Akom road	Equatorial Guinea		11.2575;1.1089	511 m
Akosakira (see Acoaesakira)	Equatorial Guinea		11.2575;1.1089	511 m
Ensorc (see Nsok)	Equatorial Guinea		11.2661;1.1297	545 m
Ncong River (see Río Ncong)	Equatorial Guinea	ca.	11.2500;1.1333	
Nocong River (see Río Ncong)	Equatorial Guinea	ca.	11.2500;1.1333	
Nsoc (see Nsok)	Equatorial Guinea		11.2661;1.1297	545 m
Nsok (see also: Ensorc, Nsoc, Nsorc, Nsork, N'Zork)	Equatorial Guinea		11.2661;1.1297	545 m
Nsorc (see Nsok)	Equatorial Guinea		11.2661;1.1297	545 m
Nsork (see Nsok)	Equatorial Guinea		11.2661;1.1297	545 m
Nsork to Akum road, km 3 (see Acoaesakira)	Equatorial Guinea		11.2575;1.1089	511 m
Nsork, 23 km from	Equatorial Guinea	ca.	11.2667;1.1333	
N'Zork (see Nsok)	Equatorial Guinea		11.2661;1.1297	545 m
Río Ncong (see also: Ncong River, Nocong River, Río Nocong)	Equatorial Guinea	ca.	11.2500;1.1333	
Río Nocong (see Río Ncong)	Equatorial Guinea	ca.	11.2500;1.1333	

NE 01013Aa:

Bélinga (see also: Belinga)	Gabon		13.1167;1.1333	390 m
Belinga (see Bélinga)	Gabon		13.1167;1.1333	390 m
Belinga, near	Gabon	ca.	13.1167;1.1333	390 m
Grottes de Massa (see Massa caves)	Gabon		13.1500;1.1167	
M'Vaddi (see Mvadi)	Gabon		13.2000;1.2167	385 m
Massa caves (see also: Grottes de Massa)	Gabon		13.1500;1.1167	
Mvadhi (see Mvadi)	Gabon		13.2000;1.2167	385 m
Mvadhi-Ousyé (see Mvadi)	Gabon		13.2000;1.2167	385 m
Mvadi (see also: M'Vaddi, Mvadhi, Mvadhi-Ousyé, Mvahdi, M'Vahdi Ousye, Mvandi)	Gabon		13.2000;1.2167	385 m
Mvadi, near	Gabon	ca.	13.2000;1.2167	
Mvahdi (see Mvadi)	Gabon		13.2000;1.2167	385 m
M'Vahdi Ousye (see Mvadi)	Gabon		13.2000;1.2167	385 m
Mvandi (see Mvadi)	Gabon		13.2000;1.2167	385 m

NE 01013Ab:

Batouala or Bélinga	Gabon	ca.	13.3333;1.0000	
Faucon Cave (see also: Grotte de Faucon)	Gabon		13.3333;1.1167	
Grotte de Faucon (see Faucon Cave)	Gabon		13.3333;1.1167	

NE 01015Da:

Kangamatoko (see also: Kango, Kango Matako, Kango Matoko, Kango Metoko)	Congo	15.6322;1.5603	363 m
Kango (see Kangamatoko)	Congo	15.6322;1.5603	363 m
Kango Matako (see Kangamatoko)	Congo	15.6322;1.5603	363 m
Kango Matoko (see Kangamatoko)	Congo	15.6322;1.5603	363 m
Kango Metoko (see Kangamatoko)	Congo	15.6322;1.5603	363 m

NE 01017Ad:

Epana (see Epéna)	Congo	17.4525;1.3525	376 m
Epéna (see also: Epana)	Congo	17.4525;1.3525	376 m

NE 01018Ca:

Desbordesville (see Impfondo)	Congo	18.0667;1.6381	326 m
Impfondo (see also: Desbordesville, Imponfo)	Congo	18.0667;1.6381	326 m
Imponfo (see Impfondo)	Congo	18.0667;1.6381	326 m

NE 01023Bd:

Bomane (see Bomaneh)	Congo (Democratic Republic of the)	23.7833;1.3000	429 m
Bomaneh (see also: Bomane)	Congo (Democratic Republic of the)	23.7833;1.3000	429 m

NE 01023Ba:

Basoko	Congo (Democratic Republic of the)	23.6000;1.2333	429 m
Basoko territory	Congo (Democratic Republic of the)	23.6000;1.2333	
Elisabetha (see also: Elizabetha)	Congo (Democratic Republic of the)	23.6000;1.1500	428 m
Elizabetha (see Elisabetha)	Congo (Democratic Republic of the)	23.6000;1.1500	428 m

NE 01024Ba:

Weko Forest, NNE Yangambi	Congo (Democratic Republic of the)	24.5500;1.0000	

NE 01025Dc:

Bongandjola	Congo (Democratic Republic of the)	25.5178;1.7547	508 m

NE 01025Cb:

Banalia	Congo (Democratic Republic of the)	25.3333;1.5500	432 m
Sainte Elisabeth	Congo (Democratic Republic of the)	25.3333;1.5500	432 m

NE 01026Cd:

Panga	Congo (Democratic Republic of the)	26.4167;1.8500	434 m

NE 01026Bb:

Risimu zone	Congo (Democratic Republic of the)	ca.	26.7500;1.0000	

NE 01027Ca:

Bomili	Congo (Democratic Republic of the)		27.0167;1.6667	444 m
Gayu [river] (see Ngayu [river]), near Avakubi	Congo (Democratic Republic of the)		27.2167;1.5833	
M'gayu	Congo (Democratic Republic of the)		27.2167;1.5833	
Nepoko Bomili	Congo (Democratic Republic of the)		27.0167;1.6667	
Ngayu [river], near Avakubi (see also: Gayu [river])	Congo (Democratic Republic of the)		27.2167;1.5833	
N'Gayu area	Congo (Democratic Republic of the)	ca.	27.2167;1.5833	

NE 01027Bc:

Avakubi, left bank of Ituri river	Congo (Democratic Republic of the)		27.5500;1.3167	589 m
Avakubi, near	Congo (Democratic Republic of the)		27.5833;1.3333	
Ituri River	Congo (Democratic Republic of the)	ca.	27.5833;1.3333	
Ituri River, Bridge	Congo (Democratic Republic of the)		27.5833;1.3333	

NE 01027Ab:

Bafwasende territory	Congo (Democratic Republic of the)		27.2667;1.0833	

NE 01028Dd:

Pahoni (see Paoni)	Congo (Democratic Republic of the)		28.8750;1.9750	913 m
Paoni, N'Duye (see also: Pahoni)	Congo (Democratic Republic of the)		28.8750;1.9750	913 m

NE 01028Ac:

Babeke, on Isai river	Congo (Democratic Republic of the)		28.0667;1.4000	608 m
Isai River, Babeke, near	Congo (Democratic Republic of the)		28.0667;1.4000	

NE 01028Bc:

Camp Putnam (see also: Putnam, camp)	Congo (Democratic Republic of the)		28.5833;1.4000	675 m
Epulu	Congo (Democratic Republic of the)		28.5778;1.3958	750 m
Epulu, 13 km E	Congo (Democratic Republic of the)	ca.	28.5833;1.4000	750 m
Epulu, 2 km W, Epulu river, right bank	Congo (Democratic Republic of the)	ca.	28.5778;1.3958	750 m
Epulu, 6 km S, 2 km W	Congo (Democratic Republic of the)	ca.	28.5778;1.3958	750 m
Irumu, 25 km W (see Ituri Forest)	Congo (Democratic Republic of the)		28.6333;1.3833	
Putnam, camp (see Camp Putnam)	Congo (Democratic Republic of the)		28.5833;1.4000	675 m

NE 01028Ba:

Mawambi	Congo (Democratic Republic of the)		28.5667;1.0667	653 m

NE 01029Ca:

Rumoka	Congo (Democratic Republic of the)		29.1167;1.5667	

NE 01029Ac:

Mambasa territory	Congo (Democratic Republic of the)		29.0500;1.3500	
Mandima	Congo (Democratic Republic of the)	ca.	29.0500;1.3500	

NE 01029Bc:

Ituri Forest, 50 mi SW Irumu (see also: Irumu, 25 km W)	Congo (Democratic Republic of the)		29.6333;1.3833	

NE 01029Bd:

Grotte de Kwama Kwama (see Kwama Kwama cave)	Congo (Democratic Republic of the)		29.8667;1.3167	1200 m
Grotte de Matupi (see Matupi cave)	Congo (Democratic Republic of the)		29.9100;1.2700	3500 ft
Grotte de Saga Saga (see Saga Saga cave)	Congo (Democratic Republic of the)		29.8667;1.3167	1160 m
Irumu	Congo (Democratic Republic of the)		29.8667;1.4500	841 m
Irumu	Congo (Democratic Republic of the)		29.8667;1.4500	
Jolohafiri (see Yolokafiri)	Congo (Democratic Republic of the)		29.8333;1.3333	1030 m
Komanda (see also: Komande)	Congo (Democratic Republic of the)		29.7667;1.3833	928 m
Komande (see Komanda)	Congo (Democratic Republic of the)		29.7667;1.3833	928 m
Kwama Kwama cave (see also: Grotte de Kwama Kwama, Kwama Kwama grot)	Congo (Democratic Republic of the)		29.8667;1.3167	1200 m
Kwama Kwama grot (see Kwama Kwama cave)	Congo (Democratic Republic of the)		29.8667;1.3167	1200 m
Matupi cave (see also: Grotte de Matupi, Matupi grot)	Congo (Democratic Republic of the)		29.9100;1.2700	3500 ft
Matupi grot (see Matupi cave)	Congo (Democratic Republic of the)		29.9100;1.2700	3500 ft
Saga Saga cave (see also: Grotte de Saga Saga, Saga Saga grot)	Congo (Democratic Republic of the)		29.8667;1.3167	1160 m
Saga Saga grot (see Saga Saga cave)	Congo (Democratic Republic of the)		29.8667;1.3167	1160 m
Talatala	Congo (Democratic Republic of the)		29.8333;1.2500	1170 m
Tshebahu river, near Mount Hoyo	Congo (Democratic Republic of the)		29.8667;1.3167	1200 m
Yolokafiri, near Mount Hoyo (see also: Jolohafiri)	Congo (Democratic Republic of the)		29.8333;1.3333	1030 m

NE 01029Aa:

Teturi	Congo (Democratic Republic of the)		29.1333;1.0667	766 m

NE 01029Ab:

Irumu, 40 mi [=64 km] SW (see Ituri Forest), East of the Ituri River and west of the Irumu-Beni road	Congo (Democratic Republic of the)		29.2667;1.0000	
Irumu, 50 mi SW, Ituri Forest	Congo (Democratic Republic of the)		29.2667;1.0000	
Ituri Forest, 40 mi SW Irumu (see also: Irumu, 40 mi [=64 km] SW, Sturi Forest)	Congo (Democratic Republic of the)		29.2667;1.0000	
Ituri, south	Congo (Democratic Republic of the)		29.2667;1.0000	
Rutshuru territory (see also: Rutshuru zone)	Congo (Democratic Republic of the)	ca.	29.4500;1.1833	

Rutshuru zone (see Rutshuru territory)	Congo (Democratic Republic of the)	29.4500;1.1833	4400 ft
Samboko river	Congo (Democratic Republic of the)	29.3667;1.0000	850 m
Sturi Forest (see Ituri Forest)	Congo (Democratic Republic of the)	29.2667;1.0000	

NE 01029Ba:

Marumbi	Congo (Democratic Republic of the)	29.5000;1.1667	1360 m

NE 01029Bb:

Boga (see also: Mboga)	Congo (Democratic Republic of the)	29.9333;1.0500	1562 m
Grotte de Yolohotiri (see Yolohotiri cave)	Congo (Democratic Republic of the)	29.8167;1.2167	
Homa, mont (see Hoyo, mount)	Congo (Democratic Republic of the)	29.8167;1.2167	1200 m
Homa, Mount (see also: Mount Homa)	Congo (Democratic Republic of the)	29.8167;1.2167	
Hoyo, mount (see also: Homa, mont, Mont Hoyo, Mount Homa, Mount Hoyo)	Congo (Democratic Republic of the)	29.8167;1.2167	1200 m
Irumu, 20 mi [=32 km] S (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)	29.8167;1.2167	1200 m
Issehe river	Congo (Democratic Republic of the)	29.8167;1.0833	1200 m
Kabatibi cave (see Mount Hoyo caves)	Congo (Democratic Republic of the)	ca. 29.8167;1.2167	1200 m
Mboga (see Boga)	Congo (Democratic Republic of the)	29.9333;1.0500	1562 m
Mont Hoyo (see Hoyo, mount)	Congo (Democratic Republic of the)	29.8167;1.2167	1200 m
Mont Hoyo cave (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)	29.8167;1.2167	1200 m
Mont Hoyo, grottes (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)	29.8167;1.2167	1200 m
Mount Homa (see Homa, Mount)	Congo (Democratic Republic of the)	29.8167;1.2167	
Mount Homa (see Hoyo, mount)	Congo (Democratic Republic of the)	29.8167;1.2167	1200 m
Mount Hoyo (see Hoyo, mount)	Congo (Democratic Republic of the)	29.8167;1.2167	1200 m
Mount Hoyo caverns (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)	29.8167;1.2167	1200 m
Mount Hoyo caves, 20 mi S Irumu (see also: Irumu, 20 mi [=32 km] S, Kabatibi cave, Mont Hoyo cave, Mont Hoyo, grottes, Mount Hoyo caverns)	Congo (Democratic Republic of the)	29.8167;1.2167	1200 m
Tsebahu (see also: Tshebahu)	Congo (Democratic Republic of the)	29.8167;1.2167	
Tshebahu (see Tsebahu)	Congo (Democratic Republic of the)	29.8167;1.2167	
Yolohotiri cave (see also: Grotte de Yolohotiri, Yolohotiri grot)	Congo (Democratic Republic of the)	29.8167;1.2167	
Yolohotiri grot (see Yolohotiri cave)	Congo (Democratic Republic of the)	29.8167;1.2167	

NE 01030Cc:

Bambu (see Kilomines)	Congo (Democratic Republic of the)	30.2333;1.8000	1466 m
Kilo mines (see Kilomines)	Congo (Democratic Republic of the)	30.2333;1.8000	1466 m
Kilomines (see also: Bambu, Kilo mines, Mines de Kilo)	Congo (Democratic Republic of the)	30.2333;1.8000	1466 m
Mines de Kilo (see Kilomines)	Congo (Democratic Republic of the)	30.2333;1.8000	1466 m
Mongbwala (see Mongbwalu)	Congo (Democratic Republic of the)	30.0333;1.9500	1374 m
Mongbwalu (see also: Mongbwala)	Congo (Democratic Republic of the)	30.0333;1.9500	1374 m

NE 01030Cd:

Misu	Congo (Democratic Republic of the)	30.3000;1.7500	

NE 01030Dc:

Blukwa, West bank Lake Albert	Congo (Democratic Republic of the)	30.6000;1.7500	2001 m
Blukwa, 10 km E (see Wago, mount)	Congo (Democratic Republic of the)	30.6667;1.7500	2240 m
Djugu bos (see Djugu forest)	Congo (Democratic Republic of the)	30.5000;1.9167	1530 m
Djugu forest (see also: Djugu bos, Djugu, forêt de, Forêt de Djugu)	Congo (Democratic Republic of the)	30.5000;1.9167	1530 m
Djugu territory	Congo (Democratic Republic of the)	30.5000;1.9167	
Djugu territory	Congo (Democratic Republic of the)	30.5000;1.9167	
Djugu, forêt de (see Djugu forest)	Congo (Democratic Republic of the)	30.5000;1.9167	1530 m
Drodo (see Drodro)	Congo (Democratic Republic of the)	30.5333;1.7667	1854 m
Drodro, near Saliboko (see also: Drodo)	Congo (Democratic Republic of the)	30.5333;1.7667	1854 m
Forêt de Djugu (see Djugu forest)	Congo (Democratic Republic of the)	30.5000;1.9167	1530 m
Jiba	Congo (Democratic Republic of the)	30.7000;1.8667	2123 m
Jiba Risasi (see also: Jiba Trisasi)	Congo (Democratic Republic of the)	30.7000;1.8667	1800 m
Jiba Trisasi (see Jiba Risasi)	Congo (Democratic Republic of the)	30.7000;1.8667	1800 m
Mount Wago (see Wago, mount)	Congo (Democratic Republic of the)	30.6667;1.7500	2240 m
Wago, mount, 10 km E Blukwa (see also: Blukwa, 10 km E, Mount Wago, Wasa Wago, mount)	Congo (Democratic Republic of the)	30.6667;1.7500	2240 m
Wasa Wago, mount (see Wago, mount)	Congo (Democratic Republic of the)	30.6667;1.7500	2240 m
Zega (see Zeya)	Congo (Democratic Republic of the)	30.7333;1.7500	650 m
Zeya (see also: Zega)	Congo (Democratic Republic of the)	30.7333;1.7500	650 m

NE 01030Cb:

Bunia (see also: Ngioni)	Congo (Democratic Republic of the)	30.2500;1.5667	1332 m
Ngioni (see Bunia)	Congo (Democratic Republic of the)	30.2500;1.5667	1332 m
Nyankunde	Congo (Democratic Republic of the)	30.2500;1.5667	
Saliboko, on lake Albert	Congo (Democratic Republic of the)	30.4833;1.7000	1874 m

NE 01030Da:

Albert meer (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Albert Nyanza (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Albert, lac (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Albert, lake, border Congo-Uganda (see also: Albert meer, Albert Nyanza, Albert, lac, Bantu Lueru, Bentu Lueru, Lac Albert, Lake Albert, Lake Mobutu Sese Seko, Luta Nzige, Mobutu Sese Seko, lake, Muite Nzige, Mwittanzige)	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Bantu Lueru (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	

Bentu Lueru (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Kawa (forest)	Congo (Democratic Republic of the)		30.5333;1.5667	753 m
Korovi, mount (see also: Mount Korovi)	Congo (Democratic Republic of the)		30.6000;1.6500	2010 m
Lac Albert (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Lake Albert (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Lake Mobutu Sese Seko (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Luta Nzige (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Mobutu Sese Seko, lake (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Mount Korovi (see Korovi, mount)	Congo (Democratic Republic of the)		30.6000;1.6500	2010 m
Mount Ne (see Né, mount), Blukwa	Congo (Democratic Republic of the)		30.6500;1.7000	
Muite Nzige (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Mwittanzige (see Albert, lake), border Congo-Uganda	Congo (Democratic Republic of the)	ca.	30.6667;1.6667	
Né, mount, Blukwa (see also: Mount Ne)	Congo (Democratic Republic of the)		30.6500;1.7000	
Wasa (see Wasa Wago forest)	Congo (Democratic Republic of the)		30.6500;1.7333	1386 m
Wasa Wago forest, between Blukwa and Lake Albert (see also: Wasa)	Congo (Democratic Republic of the)		30.6500;1.7333	1386 m

NE 01030Ac:

Catchpole's Farm, Irumu-Bunia road	Congo (Democratic Republic of the)	ca.	30.0600;1.4679	1280 m

NE 01030Ad:

Kasenye (see also: Kasenyi, Keseny, Kisenyi)	Congo (Democratic Republic of the)		30.4333;1.4000	671 m
Kasenye, 10 km N, near Lake Albert	Congo (Democratic Republic of the)	ca.	30.4167;1.4167	
Kasenyi (see Kasenye)	Congo (Democratic Republic of the)		30.4333;1.4000	671 m
Keseny (see Kasenye)	Congo (Democratic Republic of the)		30.4333;1.4000	671 m
Kisenyi (see Kasenye)	Congo (Democratic Republic of the)		30.4333;1.4000	671 m
Ngeze Kidoko	Congo (Democratic Republic of the)		30.4167;1.2667	650 m
Sabe	Congo (Democratic Republic of the)		30.4333;1.3833	700 m

NE 01030Aa:

Sinda river	Congo (Democratic Republic of the)		30.0667;1.0333	830 m

NE 01030Ab:

Ntorako	Uganda		30.4811;1.0411	548 m

NE 01030Ba:

Dorwa river (see Wasa river), Chemliki valley	Uganda		30.5000;1.0333	
Wasa river, Chemliki valley (see also: Dorwa river)	Uganda		30.5000;1.0333	

NE 01030Bb:

Bugoma Forest, Mwela	Uganda		30.9353;1.1981	3800 ft

NE 01031Cd:

Biso	Uganda		31.4208;1.7564	982 m
(see also: Bisu)				
Bisu (see Biso)	Uganda		31.4208;1.7564	982 m
Buchanan Sawmills	Uganda	ca.	31.4208;1.7564	
Butiaba	Uganda		31.3306;1.8114	600 m
(see also: Butlaba)				
Butlaba (see Butiaba)	Uganda		31.3306;1.8114	600 m
Waisake river (see Waisoke river)	Uganda		31.4000;1.9667	
Waisoke river	Uganda		31.4000;1.9667	
(see also: Waisake river)				

NE 01031Dc:

Bunyoro, Busingiro	Uganda		31.5833;1.7500	1350 m
Sonsor river	Uganda		31.5500;1.7667	1219 m

NE 01031Cb:

Busingiro area	Uganda		31.4700;1.7150	1070 m
(see also: Busingiro Camp Site)				
Busingiro Camp Site (see Busingiro area)	Uganda		31.4700;1.7150	1070 m

NE 01031Da:

Budongo	Uganda		31.5983;1.6442	
Budongo Forest, ca. 25 km NW of Masindi	Uganda		31.5561;1.7378	4000 ft
(see also: Budongo Forest Nature Reserve, Masindi, ca. 25 km NW)				
Budongo Forest Nature Reserve (see Budongo Forest)	Uganda		31.5561;1.7378	
Budongo Forest Royal mile	Uganda		31.5392;1.7081	
(see also: Nyabyeya Forestry College, N of, Royal Mile Forest)				
Budongo Forest Royal mile area	Uganda	ca.	31.5392;1.7081	
Bwamba Forest	Uganda		31.5000;1.6667	
Kinyala	Uganda		31.5833;1.6333	1262 m
(see also: Kinyara)				
Kinyara (see Kinyala)	Uganda		31.5833;1.6333	1262 m
Masinai (see Masindi)	Uganda		31.7150;1.6744	1216 m
Masindi	Uganda		31.7150;1.6744	1216 m
(see also: Masinai)				
Masindi, ca. 25 km NW (see Budongo Forest)	Uganda		31.5561;1.7378	4000 ft
Masindi, near	Uganda	ca.	31.7150;1.6744	
Nabea	Uganda	ca.	31.5561;1.7378	
Nyabyeya Forestry College	Uganda		31.5333;1.6833	
Nyabyeya Forestry College, 0.5 km SE	Uganda		31.5333;1.6833	
Nyabyeya Forestry College, N of (see Budongo Forest Royal mile)	Uganda		31.5392;1.7081	
Nyafungo Nature Reserve	Uganda		31.5261;1.7089	
Royal Mile Forest (see Budongo Forest Royal mile)	Uganda		31.5392;1.7081	

NE 01031Ac:

Albert Nyanza, 20 mi [=32 km] S of East of Center of lake	Uganda	ca.	31.1984;1.4802	
Mwela	Uganda		31.0000;1.2667	1158 m

NE 01031Ad:

Haima, 28 mi [=45 km] S (see Hoima, 28 mi [=45 km] S)	Uganda	ca.	31.3055;1.2771	
Hoima, 28 mi [=45 km] S	Uganda	ca.	31.3055;1.2771	
(see also: Haima, 28 mi [=45 km] S)				

NE 01031Aa:

Katatemwa, Kampala	Uganda		31.1500;1.0833	966 m

NE 01032Cc:

Kigumba, Bunyoro	Uganda		32.0117;1.8050	1071 m

NE 01033Cb:

Serere Agricultural Research Station (see Teso)	Uganda		33.4500;1.5167	
Teso (see also: Serere Agricultural Research Station)	Uganda		33.4500;1.5167	

NE 01033Da:

Soroti	Uganda		33.6164;1.6856	914 m

NE 01033Ad:

Serere	Uganda		33.4553;1.4942	1085 m

NE 01033Bd:

Nyero (see also: Nyiro)	Uganda		33.8500;1.4833	1113 m
Nyiro (see Nyero)	Uganda		33.8500;1.4833	1113 m

NE 01034Dd:

Amdat (see Amudat), (ex Karamoja district?)	Uganda		34.9500;1.9500	1223 m
Amudat, (ex Karamoja district?) (see also: Amdat)	Uganda		34.9500;1.9500	
Moruita, South Karmojadst	Uganda		34.7614;1.8594	1699 m

NE 01034Da:

Debasien, mount (see Kadam, mount)	Uganda		34.7136;1.7219	
Kadam, mount (see also: Debasien, mount, Kokolyo, Mount Debasien, Mount Kadam)	Uganda		34.7136;1.7219	
Kokolyo (see Kadam, mount)	Uganda		34.7136;1.7219	
Mount Debasien (see Kadam, mount)	Uganda		34.7136;1.7219	
Mount Kadam (see Kadam, mount)	Uganda		34.7136;1.7219	

NE 01034Ad:

Kapchorwa, cave at	Uganda		34.4500;1.4000	
Sipi (see also: Sipi cave)	Uganda		34.3742;1.3097	1791 m
Sipi cave (see Sipi)	Uganda		34.3742;1.3097	1791 m

NE 01034Bc:

Kapchorwa (see also: Sabei, Sebei)	Uganda		34.5244;1.3828	2419 m
Sabei (see Kapchorwa)	Uganda		34.5244;1.3828	2419 m
Sebei (see Kapchorwa)	Uganda		34.5244;1.3828	2419 m
Sebei College, cave 1 mi [=1.6 km] SW	Uganda	ca.	34.5244;1.3828	
Sebei College, cave 2 mi [=3.2 km] SW	Uganda	ca.	34.5244;1.3828	

NE 01034Bd:

Bukwa, 5 mi [= 8 km] W (see Kabei cave)	Uganda		34.7500;1.3000	
Kabei cave, 5 mi [=8 km] W Bukwa (see also: Bukwa, 5 mi [= 8 km] W)	Uganda		34.7500;1.3000	
Mara Game Reserve (see Masai Mara Game Reserve)	Kenya		34.9167;1.4167	
Masai Mara Game Reserve (see also: Mara Game Reserve, Masai Mara National Park, Massai Mara Reserve, Narok-Masai Game Reserve)	Kenya		34.9167;1.4167	
Masai Mara National Park (see Masai Mara Game Reserve)	Kenya		34.9167;1.4167	
Massai Mara Reserve (see Masai Mara Game Reserve)	Kenya		34.9167;1.4167	
Narok-Masai Game Reserve (see Masai Mara Game Reserve)	Kenya		34.9167;1.4167	

NE 01034Aa:

Bulaganya, cave 3 mi [=4.8 km] S, Bugisu district	Uganda	ca.	34.0000;1.0000	

Burisifwe Gombolola, Bugisu district	Uganda	ca.	34.0000;1.0000	
Mbale, Bugisu district	Uganda		34.1794;1.0644	1168 m

NE 01034Ab:

Butandiga	Uganda		34.3667;1.2000	1743 m
Tororo, 22 km [=12 mi.] W (see Ngongera, Bukedi, Pope Pius X Seminary)	Uganda		34.3167;1.0667	

NE 01034Ba:

Buhivu, mount Elgon	Uganda		34.5500;1.1333	
Central Elgon East	Kenya		34.6667;1.0833	1890 m
Elgon, Mount (see Mount Elgon) (see also: Ligonyi, Masaba, Masawa)	Uganda		34.5500;1.1333	
Elgon, Mount (see Mount Elgon)	Kenya	ca.	34.5667;1.0667	
Kirui	Kenya	ca.	34.5667;1.0667	
Kitale, 24 km W (see Mount Elgon, NE face)	Kenya	ca.	34.5500;1.1333	
Kitale, 29 km W	Kenya	ca.	34.5833;1.1167	
Kitale, 48 km from	Kenya		34.5833;1.0500	
Kitale, 50 km from	Kenya		34.5833;1.0500	1950 m
Kitum Cave (see Kitum caves)	Kenya		34.6667;1.1167	2134 m
Kitum caves (see also: Kitum Cave)	Kenya		34.6667;1.1167	2134 m
Ligonyi (see Elgon, Mount)	Uganda		34.5500;1.1333	
Masaba (see Elgon, Mount)	Uganda		34.5500;1.1333	
Masawa (see Elgon, Mount)	Uganda		34.5500;1.1333	
Mount Elgon (see also: Elgon, Mount)	Uganda		34.5500;1.1333	
Mount Elgon (see also: Elgon, Mount, Mount Elgon National Park)	Kenya	ca.	34.5667;1.0667	
Mount Elgon National Park (see Mount Elgon)	Kenya	ca.	34.5667;1.0667	
Mount Elgon, E face	Kenya	ca.	34.7333;1.0500	
Mount Elgon, NE face, 24 km W Kitale (see also: Kitale, 24 km W)	Kenya	ca.	34.7000;1.1667	1920 m
Saboti caves, S side Mount Elgon	Kenya		34.5833;1.1167	1951 m
South Elgon	Kenya		34.5833;1.1167	2012 m
southeast slopes	Kenya		34.5500;1.1333	
Suam River (see also: Turkwell River)	Uganda	ca.	34.7167;1.2167	
Turkwell River (see Suam River)	Uganda	ca.	34.7167;1.2167	

NE 01034Bb:

Central Elgon, 21 mi [=34 km] from Kitale (see also: Kitale, 21 mi [=34 km] from)	Kenya		34.7500;1.0833	1981 m
Chepnyalil Cave	Kenya		34.7584;1.0607	2419 m
Endebess (see also: Endeblesa)	Kenya		34.8500;1.0667	1929 m
Endebess, 3 mi [=4.8 km] W	Kenya		34.8170;1.1170	2134 m
Endeblesa (see Endebess), NE Elgon	Kenya		34.8500;1.0667	
Grotte de Shimo Kapseta (see Shimo Kapseta cave)	Kenya	ca.	34.7500;1.0833	2300 m
Kapseta (see Shimo Kapseta cave)	Kenya	ca.	34.7500;1.0833	2300 m
Kitale, 12 mi [=19 km] W	Kenya	ca.	34.8333;1.0333	1890 m
Kitale, 14 mi [=22.5 km] W	Kenya		34.8167;1.0167	1890 m
Kitale, 21 mi [=34 km] from (see Central Elgon)	Kenya		34.7500;1.0833	1981 m
Kitale, 22 km W	Kenya		34.8167;1.0167	
Kitale, 22.5 km W	Kenya		34.8167;1.0167	1890 m
Kitale, 24 km from	Kenya		34.8667;1.1333	
Shimo Kapseta cave (see also: Grotte de Shimo Kapseta, Kapseta)	Kenya	ca.	34.7500;1.0833	2300 m

NE 01035Cc:

Kacheliba, 16 mi [=25.7 km] NNE (see Nakuchett)	Kenya		35.1167;1.7667	1311 m
Kanyangaren (see Kanyangareng)	Kenya		35.1333;1.7833	
Kanyangareng, Kara-Suk (see also: Kanyangaren)	Kenya		35.1333;1.7833	
Nakuchett, 16 mi NNE Kacheliba (see also: Kacheliba, 16 mi [=25.7 km] NNE)	Kenya		35.1167;1.7667	1311 m
Suam river, Kongelai Escarpment (see also: Swan river, Swom river)	Kenya		35.1500;1.8000	
Swan river (see Suam river), Kongelai Escarpment	Kenya		35.1500;1.8000	1372 m
Swom river (see Suam river), Kongelai Escarpment	Kenya		35.1500;1.8000	1372 m

NE 01035Cd:

Mount Nacelot, near (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river	Kenya		35.3000;1.8167	
Mount Nasolot, near (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river	Kenya		35.3000;1.8167	
Nacelot, near mount (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river	Kenya		35.3000;1.8167	
Nasolot, near mount, 6 mi [=10 km] S Turkwell river (see also: Mount Nacelot, near, Mount Nasolot, near, Nacelot, near mount, Turkwell river, 6 mi [=10 km] S)	Kenya		35.3000;1.8167	
Sarmach (see Sarmai)	Kenya		35.4667;1.7667	
Sarmai (see also: Sarmach)	Kenya		35.4667;1.7667	610 m
Turkwell Gorge	Kenya		35.3333;1.9167	930 m
Turkwell river	Kenya		35.3333;1.9167	762 m
Turkwell river, 6 mi [=10 km] S (see Nasolot, near mount), 6 mi [=10 km] S Turkwell river	Kenya		35.3000;1.8167	

NE 01035Da:

Maran river (see Marun river)	Kenya		35.5431;1.6188	2286 m
Marun river (see also: Maran river, Morun river, Orano river, Panyaret river)	Kenya		35.5431;1.6188	2286 m
Masol Location	Kenya		35.7000;1.6500	762 m
Morun river (see Marun river)	Kenya		35.5431;1.6188	2286 m
Orano river (see Marun river)	Kenya		35.5431;1.6188	2286 m
Panyaret river (see Marun river)	Kenya		35.5431;1.6188	2286 m
Samokitok, Masol area	Kenya	ca.	35.6762;1.6596	750 m
Wei Wei River, Sigor, NE Cherangani Hills	Kenya	ca.	35.5000;1.5000	
Wei Wei River, NE Base	Kenya	ca.	35.5167;1.5833	

NE 01035Db:

Alamer (see Amaler)	Kenya		35.7782;1.6349	
Amaler (see also: Alamer)	Kenya		35.7782;1.6349	762 m
Kalosia (see also: Kalossia, Kolossia)	Kenya		35.7916;1.6464	ca. 762 m
Kalossia (see Kalosia)	Kenya		35.7916;1.6464	ca. 762 m
Kolossia (see Kalosia)	Kenya		35.7916;1.6464	ca. 762 m

NE 01035Ac:

Kaiboni River	Kenya		35.0667;1.4333	1372 m
Kapenguria, 10 mi [=16 km] NNW (see Kongelai Escarpment)	Kenya		35.0167;1.4667	1350 m
Kisiaunet, West-Pokot	Kenya		35.0833;1.2833	
Kongelai, on Kaiboni River or on Suam River	Kenya		35.0167;1.4667	1350 m
Kongelai Escarpment (see also: Kongelai Escarpment)	Kenya		35.0167;1.4667	
Kongelai Escarpment (see Kongelai Escarpment), 10 mi NNW Kapenguria (see also: Kapenguria, 10 mi [=16 km] NNW, Tambala Falls)	Kenya		35.0167;1.4667	
Kongelai, 12 mi [=19 km] W	Kenya	ca.	35.0167;1.4667	1890 m
Kongelai, 3 mi [=4.8 km] S	Kenya	ca.	35.0167;1.4667	1372 m
Mitunbur (see Mtembur)	Kenya		35.0500;1.3500	1219 m
Mtembur (see also: Mitunbur)	Kenya		35.0500;1.3500	1670 m
Tambala Falls (see Kongelai Escarpment)	Kenya		35.0167;1.4667	1676 m
West Pokot Escarpment	Kenya		35.0167;1.4667	1219 m

NE 01035Ad:

Kapenguria, 70 (?) mi [=113 (?) km] NE (see Sirmai)	Kenya	ca.	35.4667;1.4667	
Kapsania	Kenya		35.4667;1.4833	
Ortum	Kenya		35.3500;1.4333	
Sigoor Camp (see Sigor)	Kenya		35.4667;1.4833	750 m
Sigor (see also: Sigoor Camp)	Kenya		35.4667;1.4833	750 m

Sigor, 1 mi [=1.6 km] SE	Kenya	ca.	35.4833;1.4833	
Sigor, 1.5 km S, 1.5 km E (see Weiwei River Bridge)	Kenya		35.4833;1.4833	1030 m
Sigor, 2 mi [=3.2 km] S, Weie-Wei river	Kenya	ca.	35.4667;1.4667	1006 m
Sirmai, near Sigor; 70 (?) mi [=113 km (?)] NE Kapenguria (see also: Kapenguria, 70 (?) mi [=113 (?) km] NE)	Kenya	ca.	35.4667;1.4667	
Tamkal Camp	Kenya		35.4667;1.3833	
Weiwei River Bridge, 1.5 km S, 1.5 km E Sigor (see also: Sigor, 1.5 km S, 1.5 km E)	Kenya		35.4833;1.4833	1030 m

NE 01035Aa:

Bowker Farm, 5 mi [=8 km] E Kitale (see also: Kitale, 5 mi [=8 km] E)	Kenya	ca.	35.0167;1.0167	
Chep Tulel (see Cheptulel)	Kenya		35.0170;1.0167	
Cheptulel (see also: Chep Tulel)	Kenya		35.0170;1.0167	
Kailpos Hill	Kenya		35.1333;1.2000	2134 m
Kapenguria, Tarla's Dam (see also: Tarla's Dam)	Kenya		35.1167;1.2333	
Kapolet River, Cherangani, 7	Kenya		35.1500;1.1333	1981 m
Kipsain river	Kenya		35.1000;1.1167	1951 m
Kitale, foothills Mount Elgon	Kenya		35.0000;1.0167	1896 m
Kitale area	Kenya		35.0167;1.0167	
Kitale Township, W of	Kenya	ca.	35.0167;1.0167	
Kitale, 10 mi [=16 km] NE	Kenya	ca.	35.0167;1.0167	1920 m
Kitale, 12 mi [=19 km] ESE (see Stoneham Museum)	Kenya		35.0170;1.0167	1890 m
Kitale, 16 km NE	Kenya		35.0167;1.0167	1920 m
Kitale, 20 mi [=32 km] S	Kenya	ca.	35.0167;1.0167	1951 m
Kitale, 23 km W	Kenya	ca.	35.0167;1.0167	1890 m
Kitale, 24 km E	Kenya		35.2333;1.0167	1920 m
Kitale, 25 mi [=40 km] NW	Kenya	ca.	35.0167;1.0167	2042 m
Kitale, 29 km SW	Kenya		35.0167;1.0167	
Kitale, 5 mi [=8 km] E (see Bowker Farm)	Kenya	ca.	35.0167;1.0167	
Kitale, 7 mi [=11.3 km] E	Kenya	ca.	35.0000;1.0333	
Kobolet river, near Cherangani	Kenya		35.2333;1.0000	
Markwijit (see Morkwijit)	Kenya		35.0833;1.2000	1996 m
Morkwijit (see also: Markwijit, Nakwajit)	Kenya		35.0833;1.2000	1996 m
Nakwajit (see Morkwijit)	Kenya		35.0833;1.2000	1996 m
North Cherangani	Kenya		35.2333;1.0000	1981 m
Saiwa river	Kenya		35.1167;1.1000	610 m
Stoneham Museum, 12 mi [=19 km] ESE Kitale (see also: Kitale, 12 mi [=19 km] ESE)	Kenya		35.0170;1.0167	1890 m
Tarla's Dam (see Kapenguria)	Kenya		35.1167;1.2333	

NE 01035Ab:

Kaibibich	Kenya		35.2846;1.2032	2250 m
Tangasha River (see Tangasia River)	Kenya		35.3833;1.2333	2286 m
Tangasia River (see also: Tangasha River)	Kenya		35.3833;1.2333	2286 m

NE 01036Cc:

Lokori	Kenya		36.0358;1.9517	582 m

NE 01036Ca:

En Doinyo Ngiro (see Ngiro), 10 km E Morr	Kenya		36.1500;1.7333	
En Doinyo Nyiro (see Ngiro), 10 km E Morr	Kenya		36.1500;1.7333	
Morr, 10 km E (see Mount Nyiru)	Kenya		36.1500;1.7333	
Mount Nyiro (see Ngiro), 10 km E Morr	Kenya		36.1500;1.7333	
Mount Nyiru (see Ngiro), 10 km E Morr (see also: Morr, 10 km E)	Kenya		36.1500;1.7333	
Ngiro, 10 km E Morr (see also: En Doinyo Ngiro, En Doinyo Nyiro, Mount Nyiro, Mount Nyiru, Ngiro, En Doinyo, Nyiro, En Doinyo, Nyiru, mount, Udongerio)	Kenya		36.1500;1.7333	
Ngiro, En Doinyo (see Ngiro), 10 km E Morr	Kenya		36.1500;1.7333	
Nyiro, En Doinyo (see Ngiro), 10 km E Morr	Kenya		36.1500;1.7333	
Nyiru, mount (see Ngiro), 10 km E Morr	Kenya		36.1500;1.7333	
Udongerio (see Ngiro), 10 km E Morr	Kenya		36.1500;1.7333	

NE 01036Bc:

Suyani, 10 km N, West Kenya	Kenya	36.6167;1.4167	

NE 01036Aa:

Kapeddo, 40 km N Lake Baringo (see also: Karpeddo, Karpedo, Lake Baringo, 40 km N)	Kenya	36.1000;1.1667	793 m
Karpeddo (see Kapeddo), 40 km N Lake Baringo	Kenya	36.1000;1.1667	793 m
Karpedo (see Kapeddo), 40 km N Lake Baringo	Kenya	36.1000;1.1667	793 m
Kovu	Kenya	36.0000;1.0000	
Lake Baringo, 40 km N (see Kapeddo)	Kenya	36.1000;1.1667	793 m

NE 01037Db:

"Laisam id., Isido district" (see Laisiamis)	Kenya	37.8000;1.6000	568 m
Laisiamis (see also: "Laisam id., Isido district")	Kenya	37.8000;1.6000	568 m

NE 01037Ac:

Samburu district	Kenya	37.0000;1.2500	

NE 01037Bc:

Marsabit, mount, 30 mi [=48 km] S (see Merelle Water)	Kenya	37.7333;1.3833	
Merelle Water, 30 miles S Mount Marsabit (see also: Marsabit, mount, 30 mi [=48 km] S , Mount Marsabit, 30 mi [=48 km] S)	Kenya	37.7333;1.3833	
Mount Marsabit, 30 mi [=48 km] S (see Merelle Water)	Kenya	37.7333;1.3833	

NE 01038Aa:

Kiligi	Kenya	38.0000;1.0000	

NE 01040Ca:

El Sadi (see Wajir)	Kenya	40.0573;1.7471	
Wajir (see also: El Sadi)	Kenya	40.0573;1.7471	

NE 01041Ba:

Hoja Wajeer (see also: Ola Uager, Uaiore, Wayore)	Somalia	41.5333;1.2333	4 m
Ola Uager (see Hoja Wajeer)	Somalia	41.5333;1.2333	4 m
Uaiore (see Hoja Wajeer)	Somalia	41.5333;1.2333	4 m
Wayore (see Hoja Wajeer)	Somalia	41.5333;1.2333	4 m

NE 01042Ba:

Jubba Valley, Shonto Forest, Dhokal	Somalia	42.6000;1.0167	
Shoonto forest	Somalia	42.6000;1.0167	

NE 01044Dc:

Genale (see Jannaale)	Somalia	44.7000;1.8000	64 m
Janaale (see Jannaale)	Somalia	44.7000;1.8000	64 m
Jannaale (see also: Genale, Janaale)	Somalia	44.7000;1.8000	64 m

NE 01044Dd:

Duca degli Abruzzi (see Jawhar)	Somalia	44.8333;1.9500	73 m
Giohar (see Jawhar)	Somalia	44.8333;1.9500	73 m
Jawhar (see also: Duca degli Abruzzi, Giohar, Jowhar)	Somalia	44.8333;1.9500	73 m
Jowhar (see Jawhar)	Somalia	44.8333;1.9500	73 m

NE 01044Aa:

Baraawe (see also: Barawa, Barawe, Braawe, Brava, Brave)	Somalia	44.0500;1.1000	0 m
Barawa (see Baraawe)	Somalia	44.0500;1.1000	0 m
Barawe (see Baraawe)	Somalia	44.0500;1.1000	0 m
Braawe (see Baraawe)	Somalia	44.0500;1.1000	0 m
Brava (see Baraawe)	Somalia	44.0500;1.1000	0 m
Brave (see Baraawe)	Somalia	44.0500;1.1000	0 m

NE 01045Cc:

El Amba cave (see El Amha cave)	Somalia	45.0825;1.9033	
El Amha cave (see Raas Boqol iyoToban iyo Afar), 5.5 km S, 11.5 km W Gesira (see also: El Amba cave)	Somalia	45.0825;1.9033	
Gesira , 5.5 km S, 11.5 km W (see Raas Boqol iyoToban iyo Afar)	Somalia	45.0825;1.9033	
Raas Boqol iyoToban (see Raas Boqol iyoToban iyo Afar), 5.5 km S, 11.5 km W Gesira	Somalia	45.0825;1.9033	
Raas Boqol iyoToban iyo Afar, 5.5 km S, 11.5 km W Gesira (see also: El Amha cave, Gesira , 5.5 km S, 11.5 km W, Raas Boqol iyoToban)	Somalia	45.0825;1.9033	

NE 00006Ad:

Lemba river (see Río Lemba)	São Tomé and Principé	6.4667;0.2500	
Río Lemba (see also: Lemba river)	São Tomé and Principé	6.4667;0.2500	
Santa Catanna (see Santa Catarina)	São Tomé and Principé	6.4833;0.2667	124 m
Santa Catarina, between Río Cantador and Río Lemba (see also: Santa Catanna)	São Tomé and Principé	6.4833;0.2667	124 m

NE 00006Bc:

Bóbó Cativo	São Tomé and Principé	6.6956;0.3183	
Fernandina coco palm plantation, near Boa Entrada, 12 km. north of Sao Tome City	São Tomé and Principé	6.6583;0.3500	
Fernão Dias, on Río de Ouro	São Tomé and Principé	6.6742;0.4064	0 m
Fundo de Igresa valley (see also: Manuel Jorge River, cave along)	São Tomé and Principé	6.6340;0.2806	
Generosa [hill] (see also: Morra da Generosa)	São Tomé and Principé	6.5500;0.3500	ca. 800 m
Guadalupe, 3 km NW (see Praia das Conchas)	São Tomé and Principé	6.6167;0.3833	188 m
Macambrará, Morro Palmira (see also: Makambrará, Pico Macambrara)	São Tomé and Principé	6.6333;0.2667	619 m
Makambrará (see Macambrará)	São Tomé and Principé	6.6333;0.2667	619 m
Manuel Jorge River, cave along (see Fundo de Igresa valley)	São Tomé and Principé	6.6340;0.2806	
Micolo, Agua Luzia / Agua Izé (see also: Playa Micolo)	São Tomé and Principé	6.6881;0.4036	
Monte Café	São Tomé and Principé	6.6408;0.3003	612 m
Morra da Generosa (see Generosa [hill])	São Tomé and Principé	6.5500;0.3500	ca. 800 m
Morro Palmira, near Pico Macambrará (see also: Palmira, hill)	São Tomé and Principé	6.6000;0.2833	1350 m
Palmira, hill (see Morro Palmira)	São Tomé and Principé	6.6000;0.2833	1350 m
Pico Macambrara (see Macambrará)	São Tomé and Principé	6.6333;0.2667	1350 m
Playa Micolo (see Micolo), Agua Luzia	São Tomé and Principé	6.6881;0.4036	
Ponta Barra Bobo and Praia da Mutamba, coast roast between	São Tomé and Principé	6.6007;0.3916	

Praia das Conchas, 3 km NW Guadalupe (see also: Guadalupe, 3 km NW)	São Tomé and Principé		6.6167;0.3833	188 m
Praia de Mutamba, 50 m inland coast road	São Tomé and Principé		6.6046;0.3949	
Rio Contador valley, S sid	São Tomé and Principé		6.5524;0.3022	
Santo Amaro	São Tomé and Principé		6.7000;0.3667	152 m
Vista Alegre	São Tomé and Principé		6.6833;0.3167	

NE 00006Bd:

Río Manoel Gorge (see Río Manuel Jorge)	São Tomé and Principé	ca.	6.7500;0.3000	
Rio Manoel Jorje (see Río Manuel Jorge)	São Tomé and Principé	ca.	6.7500;0.3000	
Río Manuel Jorge (see also: Río Manoel Gorge, Rio Manoel Jorje)	São Tomé and Principé	ca.	6.7500;0.3000	

NE 00006Ba:

Água Izé (see also: Agua Ize, Agua-Ize)	São Tomé and Principé		6.7281;0.2181	
Agua Ize (see Água Izé)	São Tomé and Principé		6.7281;0.2181	
Agua-Ize (see Água Izé), Río Abade	São Tomé and Principé		6.7281;0.2181	
Bindá, hill 3 km E	São Tomé and Principé	ca.	6.5000;0.2167	
Capitango, hill (see also: Kapitango, hill, Río Capitango)	São Tomé and Principé		6.6000;0.0833	
Island of St. Thomas (see São Tomé island)	São Tomé and Principé	ca.	6.6500;0.2000	
Kapitango, hill (see Capitango, hill)	São Tomé and Principé		6.6000;0.0833	
Mendes da Silva	São Tomé and Principé		6.7000;0.2167	
Montebelo, Água Izé	São Tomé and Principé		6.7167;0.2167	
Montebelo and Mendes da Silva, between, Água Izé	São Tomé and Principé	ca.	6.6975;0.2214	
Montebelo, near	São Tomé and Principé	ca.	6.7167;0.2167	
Ribeira Peixe	São Tomé and Principé		6.6167;0.0833	
Ribeira Peixe	São Tomé and Principé		6.6133;0.0889	
Río Agua-Fundao, Pasado la Roça de Agua Izé	São Tomé and Principé	ca.	6.7294;0.2300	
Río Capitango (see Capitango, hill)	São Tomé and Principé		6.6000;0.0833	
Río Martin Mendez	São Tomé and Principé	ca.	6.6083;0.1050	
San Nicolas	São Tomé and Principé		6.6467;0.2032	
Sao Tome (see São Tomé island)	São Tomé and Principé	ca.	6.6500;0.2000	
São Tomé island (see also: Island of St. Thomas, Sao Tome, St. Thomas Island)	São Tomé and Principé	ca.	6.6500;0.2000	
St. Thomas Island (see São Tomé island)	São Tomé and Principé	ca.	6.6500;0.2000	

NE 00006Bb:

Cueva Santa Ana (see Santana Island, cave on)	São Tomé and Principé		6.7589;0.2414	
Santana Island, cave on (see also: Cueva Santa Ana)	São Tomé and Principé		6.7589;0.2414	

NE 00009Cd:

Corisco island (see also: Isla de Corisco, Isla Mandyi)	Equatorial Guinea		9.3183;0.9158	

Covadonga	Equatorial Guinea		9.3117;0.8978	ca. 508 m
Covadonga, near	Equatorial Guinea	ca.	9.3117;0.8978	ca. 508 m
Isla de Corisco (see Corisco island)	Equatorial Guinea		9.3183;0.9158	
Isla Mandyi (see Corisco island)	Equatorial Guinea		9.3183;0.9158	
Playa del Caã'On	Equatorial Guinea	ca.	9.3183;0.9158	
Río Longone	Equatorial Guinea	ca.	9.3183;0.9158	

NE 00009Dd:

Ekododo	Equatorial Guinea	ca.	9.9667;0.9333	

NE 00009Cb:

Cap Esteras (see Esterias, Cap)	Gabon		9.3333;0.6167	
Cap Esterias (see Esterias, Cap)	Gabon		9.3333;0.6167	
Cap Esteros (see Esterias, Cap)	Gabon		9.3333;0.6167	
Esteras, Cap (see Esterias, Cap)	Gabon		9.3333;0.6167	
Esterias, Cap (see also: Cap Esteras, Cap Esterias, Cap Esteros, Esteras, Cap, Esteros, Cap)	Gabon		9.3333;0.6167	
Esteros, Cap (see Esterias, Cap)	Gabon		9.3333;0.6167	

NE 00009Ad:

Libreville, 20 km from	Gabon	ca.	9.4500;0.3833	

NE 00009Bb:

Ctaboon, 105 km, Como River (see also: Ctaboon, 70 mi [=113 km])	Gabon		9.8167;0.1500	
Ctaboon, 70 mi [=113 km] (see Ctaboon, 105 km), Como River, almost sea-level	Gabon		9.8167;0.1500	
Donghila (see Donguila)	Gabon		9.7500;0.2167	95 m
Dongila (see Donguila)	Gabon		9.7500;0.2167	95 m
Donguila (see also: Donghila, Dongila)	Gabon		9.7500;0.2167	95 m

NE 00010Aa:

Congona (see Kango)	Gabon		10.1333;0.1500	30 m
Kango (see also: Congona)	Gabon		10.1333;0.1500	30 m

NE 00011Dc:

Midzik (see Mitzic)	Gabon		11.5667;0.7833	549 m
Mitzic (see also: Midzik, Mitzick, Mitzig, Mitzig, Mitzik)	Gabon		11.5667;0.7833	549 m
Mitzick (see Mitzic)	Gabon		11.5667;0.7833	549 m
Mitzig (see Mitzic)	Gabon		11.5667;0.7833	549 m
Mitzig (see Mitzic)	Gabon		11.5667;0.7833	549 m
Mitzik (see Mitzic)	Gabon		11.5667;0.7833	549 m

NE 00012Da:

Edzamangen (see also: Edzameyen)	Gabon		12.7333;0.6000	481 m
Edzameyen (see Edzamangen)	Gabon		12.7333;0.6000	481 m

NE 00012Db:

Ipassa	Gabon		12.9000;0.5000	
Ipassa-Mpassa station, 10 km SW Makokou (see also: Makokou, 10 km SW)	Gabon	ca.	12.8667;0.5667	
Loa-Loa (rapids), on Lvindio river, near Makokou	Gabon		12.8519;0.5406	
Makob	Gabon		12.9120;0.6760	
Makokou, Lower Ivindo (see also: Makokou Fortifié)	Gabon		12.8667;0.5667	308 m
Makokou Fortifié (see Makokou)	Gabon		12.8667;0.5667	308 m
Makokou, 10 km SW (see Ipassa-Mpassa station)	Gabon	ca.	12.8667;0.5667	
Makokou, near	Gabon	ca.	12.8642;0.5739	

NE 00012Bc:

Bawaka	Gabon		12.7260;0.3810	

NE 00012Bd:

CNRS Lek	Gabon		12.8000;0.4667	
Ivindo National Park	Gabon	ca.	12.7500;0.2500	

NE 00013Cc:

Makokou and Bélinga, between	Gabon	ca.	13.0561;0.9614	
Zodié Cave	Gabon		13.1900;0.9800	

NE 00013Cd:

Batoala (see also: Batouala, Makokou, 96 km E)	Gabon		13.4333;0.8000	489 m
Batouala (see Batoala), 96 km E Makokou (between Makokou and Mékambo)	Gabon		13.4333;0.8000	489 m
Batouala Cave	Gabon		13.4500;0.8200	
Batouala, near	Gabon	ca.	13.4333;0.8000	
Makokou, 96 km E (see Batoala)	Gabon		13.4333;0.8000	489 m
Nwadi	Gabon	ca.	13.2500;0.9500	

NE 00014Dd:

Odzala National Park (see also: Parc National d'Odzala)	Congo		14.8383;0.8919	
Parc National d'Odzala (see Odzala National Park)	Congo		14.8383;0.8919	

NE 00014Cb:

Bateke plateau	Gabon		14.3480;0.6920	

NE 00014Db:

Domaine de Chasse de Mboko (see Mboko hunting area)	Congo		14.8622;0.5317	
Mboko hunting area (see also: Domaine de Chasse de Mboko)	Congo		14.8622;0.5317	

NE 00018Ab:

Bamania (see Bamanya)	Congo (Democratic Republic of the)		18.4000;0.0167	
Bamanya (see also: Bamania)	Congo (Democratic Republic of the)		18.4000;0.0167	
Bandaka (see also: Cocquilhatville, Coquilhalville, Coquilhatstad, Coquilhatville, Wangata)	Congo (Democratic Republic of the)		18.2667;0.0667	306 m
Cocquilhatville (see Bandaka)	Congo (Democratic Republic of the)		18.2667;0.0667	306 m
Coquilhalville (see Bandaka)	Congo (Democratic Republic of the)		18.2667;0.0667	306 m
Coquilhatstad (see Bandaka)	Congo (Democratic Republic of the)		18.2667;0.0667	306 m
Coquilhatville (see Bandaka)	Congo (Democratic Republic of the)		18.2667;0.0667	306 m
Eala	Congo (Democratic Republic of the)		18.2833;0.0667	301 m
Mbandaka	Congo (Democratic Republic of the)		18.2667;0.0667	306 m
Wangata (see Bandaka)	Congo (Democratic Republic of the)		18.2667;0.0667	306 m

NE 00020Bd:

Befale	Congo (Democratic Republic of the)		20.9667;0.4667	393 m

NE 00020Bb:

Boende, 14 km N by road (see Quatorze)	Congo (Democratic Republic of the)	20.9261;0.1678	326 m
Quatorze, 14 km N Boende, by road (see also: Boende, 14 km N by road)	Congo (Democratic Republic of the)	20.9261;0.1678	326 m

NE 00022Ab:

Yokamba Elongo	Congo (Democratic Republic of the)	22.2833;0.0167	429 m

NE 00024Cd:

Yaekela	Congo (Democratic Republic of the)	24.2942;0.8033	508 m
Yangambi	Congo (Democratic Republic of the)	24.4667;0.7833	437 m
Yangambi division forest	Congo (Democratic Republic of the)	24.4000;0.7833	
Yaosuka	Congo (Democratic Republic of the)	24.4833;0.7500	

NE 00024Ca:

Djabir	Congo (Democratic Republic of the)	24.0833;0.5333	437 m
Lieki	Congo (Democratic Republic of the)	24.1833;0.6864	508 m

NE 00024Ad:

Yaengo	Congo (Democratic Republic of the)	24.4819;0.3489	400 m

NE 00024Bc:

Yatolema	Congo (Democratic Republic of the)	24.5192;0.3561	508 m

NE 00025Ca:

Kisangani (see also: Singitini, Stanleystad, Stanleyville, Université de Kisangani, Faculté des Sciences, Zookis)	Congo (Democratic Republic of the)	25.2000;0.5167	447 m
Kisangani, zone	Congo (Democratic Republic of the)	ca. 25.2000;0.5000	
Kisingani	Congo (Democratic Republic of the)	25.1833;0.5417	
Masako, 15 km from Buta (see also: Masako)	Congo (Democratic Republic of the)	25.2167;0.6000	
Singitini (see Kisangani)	Congo (Democratic Republic of the)	25.2000;0.5167	447 m
Stanleystad (see Kisangani)	Congo (Democratic Republic of the)	25.2000;0.5167	447 m
Stanleyville (see Kisangani)	Congo (Democratic Republic of the)	25.2000;0.5167	447 m
Tshopo falls (see also: Tshoppo falls)	Congo (Democratic Republic of the)	25.1833;0.5500	
Tshoppo falls (see Tshopo falls)	Congo (Democratic Republic of the)	25.1833;0.5500	
Université de Kisangani, Faculté des Sciences (see Kisangani)	Congo (Democratic Republic of the)	25.2000;0.5167	447 m
Zookis (see Kisangani)	Congo (Democratic Republic of the)	25.2000;0.5167	447 m

NE 00025Db:

Uma	Congo (Democratic Republic of the)	25.9014;0.5392	508 m

NE 00025Ac:

Wagenia, near Kisangani	Congo (Democratic Republic of the)	25.2069;0.3867	508 m

NE 00025Ad:

Île Mafi (see Mafi, island)	Congo (Democratic Republic of the)	25.2833;0.4722	
Île Mbiye (see Mbiye, island)	Congo (Democratic Republic of the)	25.2872;0.4639	413 m
Mafi, island (see also: Île Mafi)	Congo (Democratic Republic of the)	25.2833;0.4722	
Mbiye, island (see also: Île Mbiye)	Congo (Democratic Republic of the)	25.2872;0.4639	413 m
Yoko	Congo (Democratic Republic of the)	25.2833;0.2833	

NE 00025Bc:

Babongena	Congo (Democratic Republic of the)	25.7058;0.4897	469 m
Kisangani, 45 km E (see Tshakala)	Congo (Democratic Republic of the)	25.5347;0.4575	453 m
Tschakala (see Tshakala), 45 km E Kisangani	Congo (Democratic Republic of the)	25.5347;0.4575	453 m
Tshakala, 45 km E Kisangani (see also: Kisangani, 45 km E, Tschakala)	Congo (Democratic Republic of the)	25.5347;0.4575	453 m
Tshopo	Congo (Democratic Republic of the)	25.5500;0.4667	

NE 00025Aa:

Ile de Kongolo (see Kongolo, island)	Congo (Democratic Republic of the)	25.2000;0.0500	
Kongolo, island (see also: Ile de Kongolo)	Congo (Democratic Republic of the)	25.2000;0.0500	
Konyola, near Kisangani	Congo (Democratic Republic of the)	25.2000;0.0500	

NE 00026Cd:

Kisangani - Mambasa road, km 122 (see Maganga)	Congo (Democratic Republic of the)	26.3667;0.8500	
Maganga, km 122 on Kisangani - Mambasa road (see also: Kisangani - Mambasa road, km 122, Mangangu)	Congo (Democratic Republic of the)	26.3667;0.8500	
Mangangu (see Maganga)	Congo (Democratic Republic of the)	26.3667;0.8500	

NE 00027Dc:

Fundi	Congo (Democratic Republic of the)	27.5667;0.8667	
Mambaka	Congo (Democratic Republic of the)	27.5500;0.8500	

NE 00027Da:

Pili Pili (see Pilipili)	Congo (Democratic Republic of the)	27.7333;0.5500	
Pilipili (see also: Pili Pili)	Congo (Democratic Republic of the)	27.7333;0.5500	

NE 00027Db:

Makala	Congo (Democratic Republic of the)	27.7500;0.5500	634 m

NE 00028Dc:

Etembo	Congo (Democratic Republic of the)	28.6500;0.9167	832 m

NE 00028Dd:

Ukaika	Congo (Democratic Republic of the)	28.7500;0.7500	900 m

NE 00028Bc:

Ngoma (see also: N'goma)	Congo (Democratic Republic of the)	28.7333;0.3333	905 m
N'goma (see Ngoma)	Congo (Democratic Republic of the)	28.7333;0.3333	905 m

NE 00029Dc:

Beni, 36 km N (see Kisiki)	Congo (Democratic Republic of the)	29.5667;0.7500	1177 m
Eringete (see Eringite)	Congo (Democratic Republic of the)	29.6167;0.8500	1270 m
Eringite (see also: Eringete, Iringite)	Congo (Democratic Republic of the)	29.6167;0.8500	1270 m
Iringite (see Eringite)	Congo (Democratic Republic of the)	29.6167;0.8500	1270 m
Kabambi	Congo (Democratic Republic of the)	29.6500;0.8500	1260 m
Kisiki, 36 km N Beni (see also: Beni, 36 km N, Kisiki Kalume)	Congo (Democratic Republic of the)	29.5667;0.7500	1177 m
Kisiki Kalume (see Kisiki), 36 km N Beni	Congo (Democratic Republic of the)	29.5667;0.7500	1177 m
Matata cave	Congo (Democratic Republic of the)	29.6667;0.9750	1160 m
Tungudu	Congo (Democratic Republic of the)	29.6667;0.7500	840 m

NE 00029Dd:

Abatupi river (see also: Amatupi river)	Congo (Democratic Republic of the)	29.8167;0.7500	700 m
Amangundu	Congo (Democratic Republic of the)	29.8000;0.7500	700 m
Amatupi river (see Abatupi river)	Congo (Democratic Republic of the)	29.8167;0.7500	700 m
Ilimba	Congo (Democratic Republic of the)	29.9667;0.8333	750 m
Lamya Valley (see also: Lanuga valley)	Congo (Democratic Republic of the)	29.9874;0.8372	
Lanuga valley (see Lamya Valley)	Congo (Democratic Republic of the)	29.9878;0.8372	
Lesse	Congo (Democratic Republic of the)	29.8000;0.7500	800 m
Maginda	Congo (Democratic Republic of the)	29.9000;0.8167	850 m
Semliki river	Congo (Democratic Republic of the)	29.8333;0.7500	

NE 00029Ca:

Bela	Congo (Democratic Republic of the)	29.2333;0.6333	913 m

NE 00029Cb:

Alima	Congo (Democratic Republic of the)	29.3000;0.5833	
Batala's Village, 30 mi W Beni (see also: Beni, 30 mi [=48 km] W, Mambabwanga Hill)	Congo (Democratic Republic of the)	29.2500;0.5000	914 m
Beni (see also: New Beni)	Congo (Democratic Republic of the)	29.4667;0.5000	853 m

Beni territory	Congo (Democratic Republic of the)		29.4667;0.5000	
Beni territory	Congo (Democratic Republic of the)		29.4667;0.5000	
Beni, 25 km NW (see Moera's village), Ituri drainage	Congo (Democratic Republic of the)	ca.	29.4167;0.5833	914 m
Beni, 30 mi [=48 km] W (see Batala's Village)	Congo (Democratic Republic of the)		29.2500;0.5000	914 m
Mambabwanga Hill (see Batala's Village), 30 mi W Beni	Congo (Democratic Republic of the)		29.2500;0.5000	1000 m
Moera's village, 25 km NW Beni, Ituri drainage (see also: Beni, 25 km NW)	Congo (Democratic Republic of the)	ca.	29.4167;0.5833	914 m
New Beni (see Beni)	Congo (Democratic Republic of the)		29.4667;0.5000	1238 m

NE 00029Da:

Abialosa river	Congo (Democratic Republic of the)		29.6833;0.7000	800 m
Bwirina	Congo (Democratic Republic of the)		29.7167;0.6500	900 m
Djelube river, lower	Congo (Democratic Republic of the)		29.6667;0.5833	850 m
Djelube river, middle	Congo (Democratic Republic of the)		29.7333;0.5167	1100 m
Djuma river, upper	Congo (Democratic Republic of the)		29.5667;0.6333	850 m
Djumma river, middle	Congo (Democratic Republic of the)		29.6833;0.7000	800 m
Inangongo	Congo (Democratic Republic of the)		29.6833;0.5500	800 m
Kambemba	Congo (Democratic Republic of the)		29.6833;0.5667	800 m
Makayova river	Congo (Democratic Republic of the)		29.7167;0.7167	750 m
Makayova river, lower	Congo (Democratic Republic of the)		29.7167;0.7167	750 m
Malingongo	Congo (Democratic Republic of the)		29.6667;0.7333	800 m
Malulu	Congo (Democratic Republic of the)		29.5833;0.5333	
Mamudioma	Congo (Democratic Republic of the)		29.6333;0.6667	1000 m
Masimengo	Congo (Democratic Republic of the)		29.7000;0.5667	800 m
Moera	Congo (Democratic Republic of the)		29.5000;0.6500	1000 m
Ngamaye	Congo (Democratic Republic of the)		29.6333;0.7333	815 m
Ruanoli-Mavea confluence	Congo (Democratic Republic of the)		29.7167;0.6667	800 m

NE 00029Db:

Kikura	Congo (Democratic Republic of the)		29.9500;0.5500	1900 m
Kinawa passage, confluence Thyuma & Semliki	Congo (Democratic Republic of the)		29.8333;0.6667	
Ngerere Lepi	Congo (Democratic Republic of the)		29.8833;0.6500	1200 m
Ruwenzori SE	Congo (Democratic Republic of the)	ca.	29.8333;0.5000	7500 ft

NE 00029Ad:

Karibumba	Congo (Democratic Republic of the)		29.3667;0.3667	1412 m
Maboya (see Maboyo)	Congo (Democratic Republic of the)		29.3333;0.3167	1374 m
Maboyo (see also: Maboya)	Congo (Democratic Republic of the)		29.3333;0.3167	1374 m
Ndomo	Congo (Democratic Republic of the)		29.3333;0.3167	

NE 00029Bc:

Ancien Beni (see Vieux Beni)	Congo (Democratic Republic of the)		29.5500;0.4333	585 m
Bauelende (see Bauelendu)	Congo (Democratic Republic of the)		29.6000;0.2667	925 m
Bauelendu (see also: Bauelende)	Congo (Democratic Republic of the)		29.6000;0.2667	925 m
Fort Beni (see Vieux Beni)	Congo (Democratic Republic of the)		29.5500;0.4333	585 m
Kabakuli river	Congo (Democratic Republic of the)		29.7333;0.4500	1500 m
Kilia Kaparata	Congo (Democratic Republic of the)		29.6000;0.3833	980 m
Kisanga	Congo (Democratic Republic of the)		29.7167;0.2667	960 m
Lume river, near	Congo (Democratic Republic of the)	ca.	29.5833;0.2500	
Makisabo (see also: Makisabu)	Congo (Democratic Republic of the)		29.6000;0.4000	950 m
Makisabu (see Makisabo)	Congo (Democratic Republic of the)		29.6000;0.4000	950 m
Mangbwelu river	Congo (Democratic Republic of the)		29.7333;0.3500	1300 m
Mukwande river	Congo (Democratic Republic of the)		29.7000;0.3167	1300 m
Mulala	Congo (Democratic Republic of the)		29.7333;0.3167	1200 m
Mutsora	Congo (Democratic Republic of the)		29.7333;0.3167	1200 m
Vieux Beni (see also: Ancien Beni, Fort Beni)	Congo (Democratic Republic of the)		29.5500;0.4333	585 m

NE 00029Bd:

Biangolo	Congo (Democratic Republic of the)		29.7500;0.4167	1300 m
Buhatu valley (see Butahu valley, cave), W slope of Mount Ruwenzori	Congo (Democratic Republic of the)	ca.	29.8222;0.3264	7500 ft
Bumali	Congo (Democratic Republic of the)		29.7500;0.3500	1300 m
Butagu valley (see Butahu valley, cave), W Ruwenzori	Congo (Democratic Republic of the)	ca.	29.8222;0.3264	7500 ft
Butahu valley, cave, W Ruwenzori (see also: Buhatu valley, Butagu valley, Butatu valley, Butawu valley)	Congo (Democratic Republic of the)	ca.	29.8222;0.3264	7500 ft
Butatu valley (see Butahu valley, cave)	Congo (Democratic Republic of the)	ca.	29.8222;0.3264	7500 ft
Butawu valley (see Butahu valley, cave)	Congo (Democratic Republic of the)	ca.	29.8222;0.3264	7500 ft
John Mate Camp	Uganda		29.9333;0.3833	3368 m
Kalonge, W Ruwenzori	Congo (Democratic Republic of the)		29.8000;0.3333	2455 m
Kiavikere (see also: Kiavikire)	Congo (Democratic Republic of the)		29.7667;0.4000	1553 m
Kiavikire (see Kiavikere)	Congo (Democratic Republic of the)		29.7667;0.4000	1553 m
Kya irtumbi (see Mutwanga)	Congo (Democratic Republic of the)		29.7500;0.3333	1338 m
Lusilubi valley	Congo (Democratic Republic of the)	ca.	29.7643;0.4195	
Moenda	Congo (Democratic Republic of the)		29.7667;0.4167	
Mubuku - Mahoma River confluence, above, E slopes Rwenzori mountains	Uganda		29.9981;0.3639	2103 m
Mutsora Station	Congo (Democratic Republic of the)		29.7500;0.3167	1394 m
Mutwanga, Ruwenzori W (see also: Kya irtumbi)	Congo (Democratic Republic of the)		29.7500;0.3333	1338 m
Mwenda-Katuka piste, Munscnene section	Congo (Democratic Republic of the)	ca.	29.7694;0.4119	
Ngokai	Congo (Democratic Republic of the)		29.7500;0.3167	
Nyabitaba Hut	Uganda		29.9753;0.3572	8750 ft

Old Kalonge (see Ugongo)	Congo (Democratic Republic of the)		29.8167;0.3333	2285 m
Ruwenzori	Congo (Democratic Republic of the)		29.8333;0.4167	
Ruwenzori, foothills	Congo (Democratic Republic of the)		29.9000;0.3833	
Ruwenzori, S side	Congo (Democratic Republic of the)	ca.	29.8333;0.4167	
Ugongo (see also: Old Kalonge)	Congo (Democratic Republic of the)		29.8167;0.3333	2285 m

NE 00029Aa:

Masibingi	Congo (Democratic Republic of the)		29.0333;0.0333	

NE 00029Ab:

Butembo	Congo (Democratic Republic of the)		29.2833;0.1500	
Butembo region	Congo (Democratic Republic of the)	ca.	29.2833;0.1500	
Lima	Congo (Democratic Republic of the)		29.3000;0.2000	
Moseda (see Mosenda)	Congo (Democratic Republic of the)		29.3667;0.0667	1737 m
Mosenda (see also: Moseda, Mosendwa, Museya)	Congo (Democratic Republic of the)		29.3667;0.0667	1737 m
Mosendwa (see Mosenda)	Congo (Democratic Republic of the)		29.3667;0.0667	1737 m
Museya (see Mosenda)	Congo (Democratic Republic of the)		29.3667;0.0667	1737 m

NE 00029Ba:

Ihunga-Semliki confluence	Congo (Democratic Republic of the)		29.5833;0.1667	
Kasaka	Congo (Democratic Republic of the)		29.6000;0.0833	900 m
Kishero	Congo (Democratic Republic of the)		29.6500;0.1833	925 m
Lomera	Congo (Democratic Republic of the)		29.5833;0.1167	915 m
Mai-ya-Moto (see May ya Moto)	Congo (Democratic Republic of the)		29.7167;0.2333	950 m
May ya Moto, Semliki valley (see also: Mai-ya-Moto, May ya Moto, sources chaudes, Moto, Mai ya, Moto, May a, Moto, May ya)	Congo (Democratic Republic of the)		29.7167;0.2333	950 m
May ya Moto, sources chaudes (see May ya Moto)	Congo (Democratic Republic of the)		29.7167;0.2333	950 m
Moto, Mai ya (see May ya Moto), Semliki valley	Congo (Democratic Republic of the)		29.7167;0.2333	950 m
Moto, May a (see May ya Moto), Semliki valley	Congo (Democratic Republic of the)		29.7167;0.2333	950 m
Moto, May ya (see May ya Moto), Semliki valley	Congo (Democratic Republic of the)		29.7167;0.2333	950 m
Ndote	Congo (Democratic Republic of the)		29.6500;0.1833	940 m

NE 00029Bb:

Kasese, 40 km from (see Nyabirongo)	Uganda		29.9531;0.0581	2667 m
Nyabirongo, 40 km from Kasese (see also: Kasese, 40 km from)	Uganda		29.9531;0.0581	2667 m

NE 00030Cc:

Bwainba (see Bwamba [county])	Uganda		30.0500;0.8333	762 m
Bwamba [county] (see also: Bwainba)	Uganda		30.0500;0.8333	762 m
Humia [river] (see Humiya [river])	Uganda		30.0333;0.7667	
Humiya [river] (see also: Humia [river])	Uganda		30.0333;0.7667	

Mongiro	Uganda	30.1667;0.8333	1098 m
Ntandi	Uganda	30.1500;0.8000	1106 m
Ntandi, Bwamba Forest	Uganda	30.1500;0.8000	1106 m
Semliki flats (see also: Semliki Game Reserve)	Uganda	30.0667;0.8167	
Semliki Game Reserve (see Semliki flats)	Uganda	30.0667;0.8167	

NE 00030Ca:

Bundimusaba (see also: Bundimusembe, Bundimusuba)	Uganda	30.0833;0.7167	
Bundimusembe (see Bundimusaba)	Uganda	30.0833;0.7167	
Bundimusuba (see Bundimusaba)	Uganda	30.0833;0.7167	

NE 00030Cb:

Ngogo	Uganda	30.4261;0.5061	

NE 00030Da:

Kingdom of Toro (see Toro district (former))	Uganda	30.5000;0.5000	5500 ft
Toro, Ruwenzori	Uganda	30.5000;0.5000	762 m
Toro district (former) (see also: Kingdom of Toro)	Uganda	30.5000;0.5000	5500 ft

NE 00030Ac:

Mahoma river, cave near	Uganda	30.0017;0.3608	6700 ft
Massif du Ruwenzori (see Rwenzori Mountains)	Uganda	30.0160;0.4243	1524 m
Mihringa (see Mihunga)	Uganda	30.0333;0.3333	
Mihunga, entrance, Nyakalengija, Rwenzori National Park (see also: Mihringa, Minunga)	Uganda	30.0333;0.3333	
Minunga (see Mihunga)	Uganda	30.0333;0.3333	
Monts de la Lune (see Rwenzori Mountains)	Uganda	30.0160;0.4243	1524 m
Monts Rwenzori (see Rwenzori Mountains)	Uganda	30.0160;0.4243	1524 m
Mount Ruwenzori (see Rwenzori Mountains)	Uganda	30.0160;0.4243	1524 m
Mountains of the Moon (see Rwenzori Mountains)	Uganda	30.0160;0.4243	1524 m
Mubuku River, river bank, above confll Kyoha River	Uganda	30.0000;0.3500	1890 m
Ruwenzori (see Rwenzori Mountains)	Uganda	30.0160;0.4243	1524 m
Ruwenzori East	Uganda	30.0000;0.3667	1524 m
Ruwenzori Mountains (see Rwenzori Mountains)	Uganda	30.0160;0.4243	1524 m
Ruwenzori Range (see Rwenzori Mountains)	Uganda	30.0160;0.4243	1524 m
Ruwenzori SE	Uganda	30.0000;0.3667	
Ruwenzori, foot	Uganda	30.0000;0.3667	
Rwenzoli (see Rwenzori Mountains)	Uganda	30.0160;0.4243	1524 m
Rwenzori Mountains (see also: Massif du Ruwenzori, Monts de la Lune, Monts Rwenzori, Mount Ruwenzori, Mountains of the Moon, Ruwenzori, Ruwenzori Mountains, Ruwenzori Range, Rwenzoli)	Uganda	30.0160;0.4243	1524 m

NE 00030Ad:

Kibale Forest	Uganda	30.3827;0.4861	
Mainaro	Uganda	30.3869;0.3575	

NE 00030Aa:

Mobuka Valley (see Mubuku Valley), Ruwenzori East	Uganda	30.2333;0.1833	13000 ft
Mobuku Valley (see Mubuku Valley), Ruwenzori East	Uganda	30.2333;0.1833	13000 ft
Mubuk river, right bank, Rwenzori mountains	Uganda	30.2333;0.1833	
Mubuku Valley, Ruwenzori East (see also: Mobuka Valley, Mobuku Valley)	Uganda	30.2333;0.1833	13000 ft

NE 00030Ba:

Zika forest	Uganda	30.5000;0.1167	

NE 00031Cb:

Mubende (see also: Mubendi)	Uganda	31.3600;0.5892	1323 m
Mubendi (see Mubende)	Uganda	31.3600;0.5892	1323 m

NE 00032Da:

Bukalasa, West Mengo (see also: Bukulasa)	Uganda		32.5133;0.7072	1127 m
Bukulasa (see Bukalasa), West Mengo	Uganda		32.5133;0.7072	1127 m
Kampala, 24 km N (see Namulonge)	Uganda		32.6025;0.5297	1133 m
Namulonge, 24 km N Kampala (see also: Kampala, 24 km N, Numulongo)	Uganda		32.6025;0.5297	1133 m
Numulongo (see Namulonge), 24 km N Kampala	Uganda		32.6025;0.5297	1133 m

NE 00032Db:

Mabira Forest	Uganda		32.9167;0.5000	

NE 00032Ac:

Bugala island, Lake Victoria (see also: Sesse island)	Uganda		32.2439;0.3203	
Sesse island (see Bugala island), Lake Victoria	Uganda		32.2439;0.3203	

NE 00032Ad:

Budo, Kampala, near	Uganda		32.4847;0.2600	

NE 00032Bc:

Kabanyolo [mission]	Uganda		32.6167;0.4500	
Kampala	Uganda		32.5656;0.3156	1202 m
Kampala district	Uganda		32.5833;0.3333	4000 ft
Kampala, 13 km NW (see Kawanda, Agriculture Research Station)	Uganda		32.5364;0.3747	1193 m
Kampala, 5 - 11 km N (see Katalemwa)	Uganda		32.5850;0.4075	
Katalemura (see Katalemwa), 5 - 11 km N Kampala	Uganda		32.5850;0.4075	
Katalemwa, 5 - 11 km N Kampala (see also: Kampala, 5 - 11 km N, Katalemura)	Uganda		32.5850;0.4075	
Kawanda, Agriculture Research Station, 13 km NW Kampala (see also: Kampala, 13 km NW)	Uganda		32.5364;0.3747	1193 m
Makerere	Uganda		32.5667;0.3333	1193 m
Mengo	Uganda		32.5667;0.3000	1212 m

NE 00032Bd:

Kampala, 48 km E (see Namagunga, Buganda)	Uganda		32.8786;0.3739	1140 m
Kyagwe county	Uganda		32.8333;0.4167	
Namagunga, Buganda, 48 km E Kampala (see also: Kampala, 48 km E)	Uganda		32.8786;0.3739	1140 m

NE 00032Aa:

Bussu	Uganda		32.0333;0.0333	
West Mengo (see Central region), North Buganda province	Uganda		32.0000;0.0833	

NE 00032Ab:

Entebbe, (ex North Buganda province?)	Uganda		32.4469;0.0644	1132 m
Entebbe, near	Uganda	ca.	32.4469;0.0644	3800 ft
Old Entebbe	Uganda		32.4453;0.0281	1132 m

NE 00032Ba:

Kagolomolo-Busi island, near Entebbe	Uganda		32.5500;0.0667	1158 m
Sowe Island (see also: Soweh Island)	Uganda		32.6478;0.1606	
Soweh Island (see Sowe Island)	Uganda		32.6478;0.1606	

NE 00032Bb:

Damba island (see also: Daniba island)	Uganda		32.7769;0.0150	
Daniba island (see Damba island)	Uganda		32.7769;0.0150	

NE 00033Bc:

Wandegeya	Uganda		33.5500;0.3500	1129 m

NE 00033Bb:

E.A.T.R.O. Field Station	Uganda		33.9000;0.2000	
Lugala	Uganda		33.8878;0.1886	1137 m
Tororo, 64 km SW	Uganda		33.9862;0.2472	

NE 00034Cc:

Nabumali	Uganda		34.2092;0.9878	1268 m
Ngongera (see also: Ngongera, Pope Pius X Seminary)	Uganda		34.0333;0.7667	1071 m
Ngongera (see Ngongera)	Uganda		34.0333;0.7667	1071 m
Ngongera, Bukedi, Pope Pius X Seminary, 22 km [=12 mi.] W Tororo (see also: Tororo, 22 km [=12 mi.] W)	Uganda		34.0168;0.7758	
Pope Pius X Seminary (see Ngongera), 22 km W Tororo, Bukedi	Uganda		34.0333;0.7667	1071 m

NE 00034Cd:

Bumbo	Uganda		34.3981;0.8611	1489 m
Elgon caves (see Mount Elgon Caves)	Kenya		34.4500;0.8667	1951 m
Mount Elgon Caves (see also: Elgon caves)	Kenya		34.4500;0.8667	1951 m

NE 00034Dc:

Elgon Forest	Kenya		34.6667;0.9667	1951 m
Elgon, SE slope of Mount (see Mount Elgon, SE slope)	Kenya	ca.	34.6333;0.9833	
Kimilili, E face Mount Elgon (see also: Kimmilli)	Kenya		34.7167;0.7833	2073 m
Kimilili, near	Kenya	ca.	34.7167;0.7833	
Kimmilli (see Kimilili), E face Mount Elgon	Kenya		34.7167;0.7833	2073 m
Mount Elgon, SE slope (see also: Elgon, SE slope of Mount)	Kenya	ca.	34.6333;0.9833	
Naibei's Great Cave	Kenya		34.7000;0.8333	

NE 00034Dd:

Barberton Cave (see Barberton Farm)	Kenya		34.7500;0.7500	
Barberton Farm, 20 mi [=32 km] SW Kitale (see also: Barberton Cave, Kitale, 20 mi [=32 km] SW, Renishaw, Renshaw Barberton Farm)	Kenya		34.7500;0.7500	1951 m
Barberton Farm Pool, 32 km SW Kitale (see also: Barberton Pool)	Kenya		34.8167;0.8167	
Barberton Pool (see Barberton Farm Pool), 32 km SW Kitale	Kenya		34.8167;0.8167	
Devil's cave	Kenya		34.7500;0.7500	2103 m
Kitale, 20 mi [=32 km] SW (see Barberton Farm)	Kenya		34.7500;0.7500	
Mount Elgon, S face	Kenya	ca.	34.9167;0.9667	2000 m
Renishaw (see Barberton Farm), 20 mi SW Kitale	Kenya		34.7500;0.7500	
Renshaw Barberton Farm (see Barberton Farm), 20 mi [=32 km] SW Kitale	Kenya		34.7500;0.7500	
Saboti (see Saboti African Centre)	Kenya		34.8333;0.9333	1951 m
Saboti African Centre (see also: Saboti)	Kenya		34.8333;0.9333	1951 m
Saboti, 3 mi [=4.8 km] SE	Kenya		34.8330;0.8830	1951 m

NE 00034Ca:

Bukedi, 9.7 km SSW Tororo (see also: Tororo, 9.7 km SSW)	Uganda		34.1333;0.6500	
Malikisi Caves, on Malikisi river	Kenya	ca.	34.2167;0.6167	
Manjasi High School, Tororo	Uganda		34.2000;0.6667	
Mulanda, 12 mi [=19 km] W Tororo (see also: Tororo, 12 mi [=19 km] W)	Uganda		34.0075;0.6814	1085 m
Sukuli Hills, 2 mi [=3.2 km] SSW Tororo (see also: Sukulu Hill, Tororo, 2 mi[=3.2 km] SSW)	Uganda		34.1747;0.6679	

Sukulu Hill (see Sukuli Hills), Tororo, near	Uganda		34.1747;0.6679	
Tororo	Uganda		34.1811;0.6847	1185 m
Tororo	Kenya	ca.	34.2000;0.6167	
Tororo, 10 km [=6 mi] SSW	Uganda		34.1455;0.6001	
Tororo, 12 mi [=19 km] W (see Mulanda)	Uganda		34.0075;0.6814	1085 m
Tororo, 2 mi[=3.2 km] SSW (see Sukuli Hills)	Uganda		34.1747;0.6679	
Tororo, 9.7 km SSW (see Bukedi)	Uganda		34.1333;0.6500	

NE 00034Cb:

Amakura, 10 mi [=16 km] N Nambale (see also: Amukara, Amukura, Amukura Mission, Nambale,10 mi [=16 km] N, Saint Paul's Amukura Secondary School)	Kenya		34.2719;0.5706	1220 m
Amukara (see Amakura), 10 mi [=16 km] N Nambale	Kenya		34.2719;0.5706	1220 m
Amukura (see Amakura), 10 mi [=16 km] N Nambale	Kenya		34.2719;0.5706	1220 m
Amukura Mission (see Amakura), 10 mi [=16 km] N Nambale	Kenya		34.2719;0.5706	1220 m
Nambale, 10 mi [=16 km] N	Kenya		34.2519;0.5928	
Nambale,10 mi [=16 km] N (see Amakura)	Kenya		34.2719;0.5706	1220 m
Saint Paul's Amukura Secondary School (see Amakura), 10 mi [=16 km] N Nambale	Kenya		34.2719;0.5706	1220 m

NE 00034Da:

Tororo, 30 mi [=48 km] E	Kenya		34.5000;0.6667	1524 m

NE 00034Ac:

Busia	Kenya		34.1000;0.4667	1206 m

NE 00034Ad:

Mumias	Kenya		34.4892;0.3364	1268 m

NE 00034Bd:

Colobus Circuit 1	Kenya		34.8614;0.3561	
Ikhondo Camp	Kenya		34.8647;0.3522	
Kabras Forest, 97 km SW Kitale	Kenya		34.8000;0.4333	
Kakamega	Kenya		34.7500;0.2833	1523 m
Kakamega	Kenya		34.8833;0.2667	
Kakamega Forest, 8 mi [=13 km] SE Kakamega (see also: Kakamega Forest Reserve, Kakamega, 8 mi [=13 km] SE)	Kenya		34.8833;0.2667	1585 m
Kakamega Forest Reserve (see Kakamega Forest)	Kenya		34.8833;0.2667	1585 m
Kakamega Forest Station, 3.5 km S, 12 km E Kakamega (see also: Kakamega, 3.5 km S, 12 km E)	Kenya		34.8833;0.2667	1615 m
Kakamega Forest Station, 1 mi [=1.6 km] NE	Kenya		34.7833;0.2833	1615 m
Kakamega Forest Station, 4 mi [=6.4 km] E	Kenya	ca.	34.7833;0.2833	1615 m
Kakamega, 3.5 km S, 12 km E (see Kakamega Forest Station), 3.5 km S, 12 km E Kakamega	Kenya		34.8833;0.2667	1615 m
Kakamega, 5 km S, 16 km E	Kenya		34.8833;0.2667	
Kakamega, 8 mi [=13 km] S	Kenya	ca.	34.8833;0.2667	
Kakamega, 8 mi [=13 km] SE (see Kakamega Forest)	Kenya		34.8833;0.2667	1585 m
Kitale, 97 km SW	Kenya		34.8000;0.4333	
Mukangu Village	Kenya		34.8697;0.3675	
Mungokho Village	Kenya		34.8986;0.3747	
North Nandi Forest	Kenya		34.9667;0.3333	ca. 2018 m
Salazar Trail	Kenya		34.8739;0.3350	
Shikusa, near Kakamega	Kenya		34.7500;0.2500	5500 ft

NE 00034Aa:

Ukwala	Kenya		34.1894;0.1933	1219 m
Yala River (1)	Kenya		34.1500;0.0667	

NE 00034Ba:

Yala river (2)	Kenya		34.5333;0.1000	

NE 00034Bb:

Ikuywa river bridge, 6.5 km S, 19 km E Kakamega (see also: Kakamega, 6.5 km S, 19 km E)	Kenya		34.9000;0.2000	
Kaimosi, W Nyanza (see also: Kiamosi)	Kenya		34.8500;0.1333	
Kakamega Forest Mine, 10 mi [=16 km] S Kakamega	Kenya		34.8522;0.1804	
Kakamega, 6 km S, 16 km E	Kenya		34.9000;0.2167	
Kakamega, 6.5 km S, 19 km E (see Ikuywa river bridge)	Kenya		34.9000;0.2000	
Kiamosi (see Kaimosi), W Nyanza	Kenya		34.8500;0.1333	
Lirhanda Cave	Kenya		34.8986;0.2117	
Mahiakalo Cave	Kenya		34.9064;0.2478	
Rondo forest, Kakamega forest	Kenya		34.8811;0.2453	

NE 00035Cc:

Cherangani (see Cherangany), 15 mi [=24 km] SE Kitale	Kenya		35.1667;0.9833	1890 m
Cherangany, 15 mi [=24 km] SE Kitale (see also: Cherangani, Kitale, 15 mi [=24 km] SE)	Kenya		35.1667;0.9833	1890 m
Hoey's Bridge, 18 mi [=29 km] SE Kitale (see also: Kitale, 18 mi [=29 km] SE, Moi's bridge)	Kenya		35.1203;0.8761	1822 m
Hoey's Bridge, near, 18 mi [=29 km] SW Kitale, Cherangani Hills	Kenya	ca.	35.1203;0.8761	200 m
Kitale, 15 mi [=24 km] SE (see Cherangany)	Kenya		35.1667;0.9833	1890 m
Kitale, 18 mi [=29 km] SE (see Hoey's Bridge)	Kenya		35.1203;0.8761	1822 m
Moi's bridge (see Hoey's Bridge)	Kenya		35.1203;0.8761	1822 m
Trans-Nzoia district	Kenya		35.0000;0.8333	ca. 1828 m

NE 00035Cd:

Kapsaina (dam)	Kenya		35.2668;0.9473	610 m

NE 00035Dc:

Kapsowar (see also: Kapsowat, Marakwet)	Kenya		35.5667;0.9833	2019 m
Kapsowat (see Kapsowar)	Kenya		35.5667;0.9833	2019 m
Kerio Suk river	Kenya		35.5833;0.7500	
Kerio Valley, Morok River	Kenya		35.5833;0.7500	
Marakwet (see Kapsowar)	Kenya		35.5667;0.9833	2019 m

NE 00035Dd:

Bartabwa, 15 mi [=24 km] NNE (see Kabarsera)	Kenya		35.8667;0.9375	762 m
Kabarsera, 15 mi NNE Bartabwa (see also: Bartabwa, 15 mi [=24 km] NNE)	Kenya		35.8667;0.9375	762 m
Poi, 2 mi [=3.2 km] N	Kenya		35.8319;0.7508	1524 m

NE 00035Cb:

Uasin Gishu district	Kenya		35.3333;0.5000	6000 ft

NE 00035Db:

Baringo, 30 mi [=48 km] NW	Kenya	ca.	35.8333;0.5000	

NE 00035Ad:

Kaptagat, 30 mi [=48 km] E Eldoret	Kenya		35.4710;0.3678	

NE 00035Bc:

Kipkabus	Kenya		35.5000;0.3000	2543 m
Morok river	Kenya		35.6321;0.3412	1372 m

NE 00035Bd:

Maragat (see Marigat), Perakera River	Kenya		35.9833;0.4667	1062 m
Maragut (see Marigat), Perakera River	Kenya		35.9833;0.4667	1062 m

Marigat, Perakera River (see also: Maragat, Maragut)	Kenya		35.9833;0.4667	1036 m
Marigat, near, Perakera River	Kenya	ca.	35.9833;0.4667	1030 m

NE 00035Aa:

Undefined locality (Nandi county)	Kenya	ca.	35.0000;0.1667	

NE 00035Bb:

Mogotio, 3 mi [=4.8 km] N	Kenya		35.9670;0.0500	1524 m

NE 00036Ca:

Baring, lake (see Baringo, lake)	Kenya		36.0833;0.6333	
Baringo, lake (see also: Baring, lake, Lake Baringo)	Kenya		36.0833;0.6333	
Gibraltar island	Kenya		36.0667;0.6000	
Kampi Ya Samaki (see also: Kampi ya Samalei, Kornpuosamaki, Maragat, 15 km N, Maragat, 15 mi [=24 km] N, Naragat, 15 mi [=24 km] N)	Kenya		36.0167;0.6000	
Kampi Ya Samaki Escarpment	Kenya		36.0167;0.6000	
Kampi Ya Samaki, 2 mi [=3.2 km] S	Kenya		36.0167;0.6000	975 m
Kampi Ya Samaki, near	Kenya		36.0330;0.6170	1006 m
Kampi ya Samalei (see Kampi Ya Samaki)	Kenya		36.0167;0.6000	1054 m
Kornpuosamaki (see Kampi Ya Samaki)	Kenya		36.0167;0.6000	1054 m
Lake Baringo (see Baringo, lake)	Kenya		36.0833;0.6333	
Lake Baringo Escarpment	Kenya	ca.	36.0833;0.6333	
Lesukut island	Kenya		36.0814;0.5917	975 m
Maragat, 15 km N (see Kampi Ya Samaki)	Kenya		36.0167;0.6000	
Maragat, 15 mi [=24 km] N (see Kampi Ya Samaki)	Kenya		36.0167;0.6000	
Marigat, 15 mi [=24 km] N	Kenya		36.0330;0.6170	1006 m
Molo river	Kenya		36.0833;0.5333	1067 m
Naragat, 15 mi [=24 km] N (see Kampi Ya Samaki)	Kenya		36.0167;0.6000	1054 m
Ngambo, Mole river	Kenya		36.0667;0.5000	1036 m

NE 00036Cb:

Baringo (see Mukutan)	Kenya		36.2667;0.6333	1303 m
Kampiva Samdet, near	Kenya		36.2833;0.6333	
Mukutan (see also: Baringo, Ol Mukutan)	Kenya		36.2667;0.6333	1303 m
Ol Mukutan (see Mukutan)	Kenya		36.2667;0.6333	1303 m

NE 00036Ac:

Bogoria, 3 mi [=4.8 km] W Lake	Kenya		36.0670;0.2670	1067 m
Bogoria, lake (see also: Hannington, lake, Harrington, lake, Lake Bogoria, Lake Hannington, Lake Harrington)	Kenya		36.1017;0.2589	1500 m
Hannington, 3 mi [=4.8 km] W Lake (see Maji Ya Moto)	Kenya		36.0500;0.2667	1102 m
Hannington, lake (see Bogoria, lake)	Kenya		36.1017;0.2589	1500 m
Harrington, lake (see Bogoria, lake)	Kenya		36.1017;0.2589	1500 m
Lake Bogoria (see Bogoria, lake)	Kenya		36.1017;0.2589	1500 m
Lake Bogoria, 3 mi [=4.8 km] W (see Maji Ya Moto)	Kenya		36.0500;0.2667	1102 m
Lake Hannington (see Bogoria, lake)	Kenya		36.1017;0.2589	1500 m
Lake Hannington, 3 mi [=4.8 km] W (see Maji Ya Moto)	Kenya		36.0500;0.2667	1102 m
Lake Harrington (see Bogoria, lake)	Kenya		36.1017;0.2589	1500 m
Maji Mata (see Maji Ya Moto)	Kenya		36.0500;0.2667	1102 m
Maji Mota (see Maji Ya Moto)	Kenya		36.0500;0.2667	1102 m
Maji Moto (see Maji Ya Moto), 3 mi W Lake Harrington [=Lake Bogoria]	Kenya		36.0500;0.2667	1102 m
Maji Moto, 3 mi [=4.8 km] W (see Maji Ya Moto, 3 mi [=4.8 km] W)	Kenya	ca.	36.0500;0.2667	1067 m
Maji Ya Moto (see also: Hannington, 3 mi [=4.8 km] W Lake, Lake Bogoria, 3 mi [=4.8 km] W, Lake Hannington, 3 mi [=4.8 km] W, Maji Mata, Maji Mota, Maji Moto)	Kenya		36.0500;0.2667	1102 m
Maji Ya Moto, 3 mi [=4.8 km] W (see also: Maji Moto, 3 mi [=4.8 km] W)	Kenya	ca.	36.0500;0.2667	
Njoro, Nakuru	Kenya		36.1000;0.3167	2286 m

Pyramid Camp	Kenya		36.0761;0.3094	

NE 00036Bc:

Laikipia ranch, 40 mi NW Rumuruti (see also: Rumurati, 64 km NW, Rumuruti, 40 mi [=64 km] NW)	Kenya		36.5333;0.2667	1829 m
Rumurati, 64 km NW (see Laikipia ranch)	Kenya		36.5333;0.2667	1829 m
Rumuriti	Kenya		36.5333;0.2667	1821 m
Rumuruti, 40 mi [=64 km] N	Kenya	ca.	36.5333;0.2667	1372 m
Rumuruti, 40 mi [=64 km] NW (see Laikipia ranch)	Kenya		36.5333;0.2667	1829 m
Rumuruti, 45 km N	Kenya	ca.	36.5333;0.2667	

NE 00036Bd:

Kiboko Campsite	Kenya		36.9108;0.3175	
Mpala Research Center	Kenya		36.8725;0.3313	
Ol Jogi Conservancy	Kenya		36.9500;0.3500	
Ol Jogi Dam	Kenya		36.9347;0.3247	
Water treatment site	Kenya		36.9253;0.3039	

NE 00036Aa:

Nakuru, 22.5 km N (see Solai valley)	Kenya		36.1500;0.0500	1950 m
Solai valley, 22.5 km N Nakuru (see also: Nakuru, 22.5 km N)	Kenya		36.1500;0.0500	1950 m

NE 00036Ba:

Nanyuki, 27 mi [=43 km] NW (see Sosian Game Ranch)	Kenya	ca.	36.7000;0.2333	
Sosian Game Ranch (see also: Nanyuki, 27 mi [=43 km] NW)	Kenya	ca.	36.7000;0.2333	

NE 00037Cd:

Gargues, mount [summit] (see also: Mount Gargues)	Kenya		37.4000;0.9500	2164 m
Mount Gargues (see Gargues, mount [summit])	Kenya		37.4000;0.9500	2164 m

NE 00037Dc:

Isiolo, 38 mi [=61 km] N (see Nyama Yango)	Kenya		37.5833;0.9031	
Lolokwi, mount (see Oldoinyo Sabachi)	Kenya		37.5323;0.8281	
Mount Lolokwi (see Oldoinyo Sabachi)	Kenya		37.5323;0.8281	
Nyama Yango, 38 mi [=61 km] N Isiolo (see also: Isiolo, 38 mi [=61 km] N)	Kenya		37.5833;0.9031	
Oldoinyo Sabachi (see also: Lolokwi, mount, Mount Lolokwi)	Kenya		37.5323;0.8281	

NE 00037Ca:

Tura (see also: Turah)	Kenya		37.0333;0.5333	1793 m
Turah (see Tura)	Kenya		37.0333;0.5333	1793 m

NE 00037Da:

Archers Post (see also: Archer's Post)	Kenya		37.6833;0.6500	834 m
Archer's Post (see Archers Post)	Kenya		37.6833;0.6500	834 m
Buffalo Springs (Nature Reserve), near Isiolo	Kenya		37.6500;0.6167	
Buffalo Springs Camp	Kenya		37.6500;0.6167	
Euaso Nyiro (see Ewaso Ngi'ro)	Kenya		37.5333;0.5833	884 m
Ewaso Ngi'ro (see also: Euaso Nyiro, Guaso Nyiro, Guaso Nyiro River)	Kenya		37.5333;0.5833	
Guaso Nyiro (see Ewaso Ngi'ro)	Kenya		37.5333;0.5833	
Guaso Nyiro River (see Ewaso Ngi'ro)	Kenya		37.5333;0.5833	
Guaso Nyiro, 10 mi [=16 km] SW of river	Kenya	ca.	37.5333;0.5833	6150 ft
Guaso Nyiro, above confluence with Meru River	Kenya	ca.	37.5333;0.5833	
Guaso Nyiro, plains near	Kenya		37.5333;0.5833	
Isiolo, 15 mi [=24 km] N	Kenya		37.6000;0.5833	
New Frontier district	Kenya		37.5833;0.5667	

Samburu Game Lodge (see Samburu Game Reserve), Vasio Nyiro[=Uwaso Ngiro] River	Kenya		37.5333;0.6667	914 m
Samburu Game Reserve, Vasio Nyiro[=Uwaso Ngiro] River (see also: Samburu Game Lodge, Samburu Uaso Nyiro Game Reserve)	Kenya		37.5333;0.6667	914 m
Samburu Uaso Nyiro Game Reserve (see Samburu Game Reserve), Vasio Nyiro[=Uwaso Ngiro] River	Kenya		37.5333;0.6667	

NE 00037Ac:

Nanyuki, 24 mi [=39 km] N	Kenya	ca.	37.0833;0.3667	
Nanyuki, 38 km N	Kenya		37.0833;0.3667	

NE 00037Bc:

Isiala (see Isiolo)	Kenya		37.5833;0.3500	1145 m
Isiola (see Isiolo)	Kenya		37.5833;0.3500	1145 m
Isiolo (see also: Isiala, Isiola)	Kenya		37.5833;0.3500	1145 m
Isiolo, 15 mi [=24 km] W	Kenya	ca.	37.5833;0.3500	
Isiolo, 5 mi [=8 km] SW	Kenya		37.5500;0.2833	
Isiolo, 6 mi [=9.6 km] N	Kenya		37.6000;0.4167	
Luazomela	Kenya		37.6667;0.4833	

NE 00037Bd:

Igembe, Nyambeni hills	Kenya		37.9167;0.2500	1460 m
Isiolo, 18 km SE	Kenya		37.7500;0.3333	

NE 00037Aa:

Kenya, mount, 37 km W (see Nanyuki)	Kenya		37.0667;0.0167	1986 m
Mount Kenya, 37 km W (see Nanyuki)	Kenya		37.0667;0.0167	1986 m
Nanguki (see Nanyuki), 37 km W of Mt. Kenya	Kenya		37.0667;0.0167	1986 m
Nanyuki, 37 km W of Mt. Kenya (see also: Kenya, mount, 37 km W, Mount Kenya, 37 km W, Nanguki)	Kenya		37.0667;0.0167	1986 m
Nanyuki, near	Kenya	ca.	37.0667;0.0167	

NE 00037Ba:

Isiolo Buffalo Springs Game Reserve (see also: Isiolo Game Reserve)	Kenya		37.5667;0.0533	
Isiolo Game Reserve (see Isiolo Buffalo Springs Game Reserve)	Kenya		37.5667;0.0533	
Meru	Kenya		37.6500;0.0500	1581 m
Meru river, Northern Guaso Nyiro (see also: Mweru river)	Kenya		37.6500;0.0500	
Mweru river (see Meru river), Northern Guaso Nyiro	Kenya		37.6500;0.0500	

NE 00037Bb:

Kairuni	Kenya		37.8723;0.1865	

NE 00038Cc:

Chandlers Falls (see Chanlers Falls)	Kenya		38.0833;0.7833	
Chandler's Falls (see Chanlers Falls)	Kenya		38.0833;0.7833	
Chanlers Falls (see also: Chandlers Falls, Chandler's Falls)	Kenya		38.0833;0.7833	

NE 00038Da:

Benane, 2 km E Garba Tula (see also: Garba Tula, 2 km E)	Kenya		38.6667;0.5000	366 m
Garba Tula, 2 km E (see Benane)	Kenya		38.6667;0.5000	366 m

NE 00038Ac:

Kinna	Kenya		38.2000;0.3167	457 m

NE 00038Aa:

Leopard Rock Lodge	Kenya		38.2000;0.2000	

NE 00042Ca:

Afmadoow (see Afmadow)	Somalia		42.0711;0.5172	19 m
Afmadow	Somalia		42.0711;0.5172	19 m
(see also: Afmadoow, Afmadu)				
Afmadu (see Afmadow)	Somalia		42.0711;0.5172	19 m

NE 00042Bc:

Mareerey	Somalia		42.7181;0.4303	15 m
(see also: Marerei, Mareri)				
Marerei (see Mareerey)	Somalia		42.7181;0.4303	15 m
Mareri (see Mareerey)	Somalia		42.7181;0.4303	15 m

NE 00042Bd:

Gelib (see Jilib)	Somalia		42.7728;0.4958	19 m
Jeelib (see Jilib)	Somalia		42.7728;0.4958	19 m
Jilib	Somalia		42.7728;0.4958	19 m
(see also: Gelib, Jeelib)				

NE 00042Ba:

Jamaame, 4 km S, 4 km W	Somalia	ca.	42.7167;0.0333	
Jamaame, 5 km S, 7.5 km W	Somalia		42.6833;0.0167	

NE 00042Bb:

Giamama (see Jamaame)	Somalia		42.7506;0.0722	10 m
Giamame (see Jamaame)	Somalia		42.7506;0.0722	10 m
Giamana (see Jamaame)	Somalia		42.7506;0.0722	10 m
Giamane (see Jamaame)	Somalia		42.7506;0.0722	10 m
Jamaame	Somalia		42.7506;0.0722	10 m
(see also: Giamama, Giamame, Giamana, Giamane, Jamame, Margherita)				
Jamame (see Jamaame)	Somalia		42.7506;0.0722	10 m
Margherita (see Jamaame)	Somalia		42.7506;0.0722	10 m

SE 00037Aa:

Tana river	Kenya		37.0000;0.0000	

SE 00000Aa:

Tandou, mount (see Mount Tandou)	Gabon		0.1764;-0.0292	610 m

SE 00000Cd:

Buye Bala	Congo (Democratic Republic of the)		0.4480;-0.9600	

SE 00008Da:

Cap Lopez (see Lopez, Cap)	Gabon		8.7167;-0.6167	
Cape Lopez (see Lopez, Cap)	Gabon		8.7167;-0.6167	
Lopez, Cap	Gabon		8.7167;-0.6167	
(see also: Cap Lopez, Cape Lopez)				

SE 00008Db:

Port-Gentil	Gabon		8.7833;-0.7167	1 m

SE 00009Cc:

Bengoué	Gabon		9.1833;-0.9667	0 m
(see also: Bengoue)				
Bengoue (see Bengoué)	Gabon		9.1833;-0.9667	0 m

SE 00009Dd:

N'Gomo (see also: Ngomo)	Gabon		9.9500;-0.8167	0 m
Ngomo (see N'Gomo)	Gabon		9.9500;-0.8167	0 m

SE 00010Ad:

Mission Protestante de Samkita (see Samkita)	Gabon		10.4500;-0.4500	81 m
Samkita (see also: Mission Protestante de Samkita, Samkitta)	Gabon		10.4500;-0.4500	81 m
Samkitta (see Samkita)	Gabon		10.4500;-0.4500	81 m

SE 00010Ca:

Lambaréné (see also: Lambarene, Limbareni)	Gabon		10.2167;-0.7000	45 m
Lambarene (see Lambaréné)	Gabon		10.2167;-0.7000	45 m
Limbareni (see Lambaréné)	Gabon		10.2167;-0.7000	45 m

SE 00011Bb:

Booué (see also: Booue, Boque, Boué)	Gabon		11.9333;-0.1000	175 m
Booue (see Booué)	Gabon		11.9333;-0.1000	175 m
Booué River	Gabon		11.9333;-0.1000	
Boque (see Booué)	Gabon		11.9333;-0.1000	175 m
Boué (see Booué)	Gabon		11.9333;-0.1000	175 m
Ogoou, near (see Ogooué, near)	Gabon	ca.	11.9333;-0.1000	
Ogooué, near (see also: Ogoou, near)	Gabon	ca.	11.9333;-0.1000	

SE 00012Dc:

Bonda	Gabon		12.7000;-0.8167	206 m
Lastoursville	Gabon		12.7000;-0.8167	206 m
Lastourville	Gabon		12.7000;-0.8167	206 m

SE 00014Dd:

Eouo (see Ewo)	Congo		14.8206;-0.8725	532 m
Ewo (see also: Eouo)	Congo		14.8206;-0.8725	532 m

SE 00015Bd:

Fort Pousset (see Owando)	Congo		15.9081;-0.4869	325 m
Fort Rousset (see Owando)	Congo		15.9081;-0.4869	325 m
Kunda, near Owando	Congo		15.7500;-0.4167	
Ouando (see Owando)	Congo		15.9081;-0.4869	325 m
Owando (see also: Fort Pousset, Fort Rousset, Ouando)	Congo		15.9081;-0.4869	325 m

SE 00017Ca:

Oubangi	Congo		17.0000;-0.5000	

SE 00017Db:

Irebu	Congo (Democratic Republic of the)		17.7500;-0.6167	

SE 00018Aa:

Ikange (see Ikengo)	Congo (Democratic Republic of the)		18.1333;-0.1333	301 m
Ikenge (see Ikengo)	Congo (Democratic Republic of the)		18.1333;-0.1333	301 m
Ikengo (see also: Ikange, Ikenge)	Congo (Democratic Republic of the)		18.1333;-0.1333	301 m

Iyonda, near Coquilhatville [=Mbandaka]	Congo (Democratic Republic of the)		18.2000;-0.0333	

SE 00018Ba:

Bokuma, near Mbandaka	Congo (Democratic Republic of the)		18.7000;-0.1000	340 m

SE 00018Cc:

Bikoro	Congo (Democratic Republic of the)		18.1167;-0.7500	344 m
Lac Tumba (see Tumba, lake)	Congo (Democratic Republic of the)	ca.	18.0500;-0.8000	
Lake Tumba (see Tumba, lake)	Congo (Democratic Republic of the)	ca.	18.0500;-0.8000	
Lake Tumba, Island in	Congo (Democratic Republic of the)	ca.	18.0500;-0.8000	
Mabali, E coast Lake Tumba	Congo (Democratic Republic of the)		18.1500;-0.9167	
Tondu	Congo (Democratic Republic of the)		18.1500;-0.8833	
Tumba, lac (see Tumba, lake)	Congo (Democratic Republic of the)	ca.	18.0500;-0.8000	
Tumba, lake (see also: Lac Tumba, Lake Tumba, Tumba, lac, Tumbe meer)	Congo (Democratic Republic of the)	ca.	18.0500;-0.8000	
Tumbe meer (see Tumba, lake)	Congo (Democratic Republic of the)	ca.	18.0500;-0.8000	

SE 00019Ac:

Boteka	Congo (Democratic Republic of the)		19.1167;-0.3167	337 m
Boteka (see also: Boteke, Flandria, Frandria)	Congo (Democratic Republic of the)		19.1000;-0.3333	333 m
Boteke (see Boteka)	Congo (Democratic Republic of the)		19.1167;-0.3167	337 m
Flandria (see Boteka)	Congo (Democratic Republic of the)		19.1167;-0.3167	337 m
Frandria (see Boteka)	Congo (Democratic Republic of the)		19.1167;-0.3167	337 m

SE 00019Db:

Imbonga	Congo (Democratic Republic of the)		19.7667;-0.7167	364 m

SE 00020Ba:

Tschuapa (see Tshuapa)	Congo (Democratic Republic of the)		20.7000;-0.2333	
Tshuapa (see also: Tschuapa)	Congo (Democratic Republic of the)		20.7000;-0.2333	

SE 00020Bb:

Boende	Congo (Democratic Republic of the)		20.8667;-0.2167	371 m
Tshuapa district	Congo (Democratic Republic of the)		20.8667;-0.2167	

SE 00020Bd:

Baliko	Congo (Democratic Republic of the)		20.8167;-0.2667	

SE 00021Bb:

Lotakamela	Congo (Democratic Republic of the)		21.9528;-0.2261	508 m

SE 00022Cb:

Bokungu	Congo (Democratic Republic of the)	22.3167;-0.6833	402 m

SE 00022Da:

Loondo Mugunga	Congo (Democratic Republic of the)	22.6833;-0.7000	

SE 00022Db:

Yalokele	Congo (Democratic Republic of the)	22.7981;-0.6622	443 m

SE 00022Dc:

Liondo (see also: Loondo)	Congo (Democratic Republic of the)	22.6833;-0.9167	416 m
Liondo	Congo (Democratic Republic of the)	22.6422;-0.7922	508 m
Loondo (see Liondo)	Congo (Democratic Republic of the)	22.6833;-0.9167	416 m

SE 00022Dd:

Mondombe	Congo (Democratic Republic of the)	22.7500;-0.8833	414 m

SE 00023Ca:

Bionga (see also: Biyonga)	Congo (Democratic Republic of the)	23.0000;-0.5667	444 m
Biyonga (see Bionga)	Congo (Democratic Republic of the)	23.0000;-0.5667	444 m

SE 00025Ab:

Amadjabe	Congo (Democratic Republic of the)	25.2833;-0.0667	

SE 00026Ba:

Kiavinionge (see Kyavinionge)	Congo (Democratic Republic of the)	26.6000;-0.1167	935 m
Kyavinionge (see also: Kiavinionge)	Congo (Democratic Republic of the)	26.6000;-0.1167	935 m

SE 00026Da:

Lubutu	Congo (Democratic Republic of the)	26.5833;-0.7333	669 m
Lubutu territory	Congo (Democratic Republic of the)	26.5833;-0.7333	

SE 00027Ba:

Angumu (see also: Angumu Etat)	Congo (Democratic Republic of the)	27.7000;-0.1167	859 m
Angumu Etat (see Angumu)	Congo (Democratic Republic of the)	27.7000;-0.1167	859 m

SE 00028Bc:

Lundjulu	Congo (Democratic Republic of the)	28.6000;-0.3333	1300 m

SE 00028Bd:

Lutunguru	Congo (Democratic Republic of the)	28.8128;-0.4700	1774 m

SE 00029Aa:

Grotte de Kibwe Lya Mikako (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		29.0167;-0.2450	1500 m
Grotte de Ribue Lya Mikako (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		29.0167;-0.2450	1500 m
Kasuo-Kibwe cave (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		29.0167;-0.2450	1500 m
Kibwe Lya Mikako cave (see also: Grotte de Kibwe Lya Mikako, Grotte de Ribue Lya Mikako, Kasuo-Kibwe cave, Ribue Lya Mikako cave)	Congo (Democratic Republic of the)		29.0167;-0.2450	1500 m
Ribue Lya Mikako cave (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		29.0167;-0.2450	1500 m

SE 00029Ab:

Mount Tshiaberimu (see Tshiabirimu, mount), Kalibina, Ngwangwa forest	Congo (Democratic Republic of the)	ca.	29.4333;-0.0833	
Mount Tshiabirimu (see Tshiabirimu, mount), Kalibina, Ngwangwa forest	Congo (Democratic Republic of the)	ca.	29.4333;-0.0833	
Ndotwe	Congo (Democratic Republic of the)		29.4667;-0.2000	
Tshiabirimu, mount, Kalibina, Ngwangwa forest (see also: Mount Tshiaberimu, Mount Tshiabirimu)	Congo (Democratic Republic of the)	ca.	29.4333;-0.0833	

SE 00029Ba:

Albert Edward Nyanza (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Edouard, lac (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Edward meer (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Edward, lake (see also: Albert Edward Nyanza, Edouard, lac, Edward meer, Eward Nyanza, Idi Amin Dada, lake, Lac Edouard, Lac Idi Amine, Lake Edward, Lake Idi Amin Dada, Lake Rutanzige, Rutanzige, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Eward Nyanza (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Idi Amin Dada, lake (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Ishango River	Congo (Democratic Republic of the)		29.6000;-0.1333	950 m
Ishango-Nyakazi	Congo (Democratic Republic of the)		29.5833;-0.1333	950 m
Kakungu	Congo (Democratic Republic of the)		29.6167;-0.1167	925 m
Kambukabakali	Congo (Democratic Republic of the)		29.6000;-0.0167	930 m
Kanyatsi	Congo (Democratic Republic of the)		29.6167;-0.1333	940 m
Kasindi (see also: Kasindi Vieux, Kasindi-port, Old Kasindi)	Congo (Democratic Republic of the)		29.7136;-0.0361	1049 m
Kasindi Vieux (see Kasindi)	Congo (Democratic Republic of the)		29.7136;-0.0361	1049 m
Kasindi-port (see Kasindi)	Congo (Democratic Republic of the)		29.7136;-0.0361	1049 m
Lac Edouard (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Lac Idi Amine (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Lake Edward (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Lake Idi Amin Dada (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Lake Rutanzige (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	
Liki	Congo (Democratic Republic of the)		29.5667;-0.1167	

Lonzo (see Loso)	Congo (Democratic Republic of the)		29.6000;-0.1333	950 m
Losho (see Loso), near Tshango, Lake Edward	Congo (Democratic Republic of the)		29.6000;-0.1333	950 m
Loso, near Tshango, Lake Edward (see also: Lonzo, Losho)	Congo (Democratic Republic of the)		29.6000;-0.1333	950 m
Old Kasindi (see Kasindi)	Congo (Democratic Republic of the)		29.7136;-0.0361	1049 m
Rutanzige, lake (see Edward, lake)	Congo (Democratic Republic of the)	ca.	29.5833;-0.1333	

SE 00029Bb:

Albert Edward Nyanza (see Edward, lake)	Uganda	ca.	29.8833;-0.1333	914 m
Édouard, lac (see Edward, lake)	Uganda	ca.	29.8833;-0.1333	914 m
Edward Nyanza (see Edward, lake)	Uganda	ca.	29.8833;-0.1333	914 m
Edward, lake (see also: Albert Edward Nyanza, Édouard, lac, Edward Nyanza, Eward meer, Idi Amin Dada, lake, Idi Amine, lac, Lake Edward, Lake Idi Amin Dada)	Uganda	ca.	29.8833;-0.1333	914 m
Eward meer (see Edward, lake)	Uganda	ca.	29.8833;-0.1333	914 m
Fort George (see Katwe), lake Edward	Uganda		29.8303;-0.1417	770 m
Idi Amin Dada, lake (see Edward, lake)	Uganda	ca.	29.8833;-0.1333	914 m
Idi Amine, lac (see Edward, lake)	Uganda	ca.	29.8833;-0.1333	914 m
Katwe, lake Edward (see also: Fort George)	Uganda		29.8303;-0.1417	
Katwe, lake (see also: Lake Katwe)	Uganda		29.8667;-0.1333	
Katwe, near	Uganda	ca.	29.8303;-0.1417	3000 ft
Lake Edward (see Edward, lake)	Uganda	ca.	29.8833;-0.1333	914 m
Lake Idi Amin Dada (see Edward, lake)	Uganda	ca.	29.8833;-0.1333	914 m
Lake Katwe (see Katwe, lake)	Uganda		29.8667;-0.1333	
Miveya (see Mweya Lodge)	Uganda		29.9189;-0.2408	914 m
Mweya (see Mweya Lodge)	Uganda		29.9189;-0.2408	914 m
Mweya Lodge (see also: Miveya, Mweya, Mweya Safari Lodge)	Uganda		29.9189;-0.2408	914 m
Mweya Safari Lodge (see Mweya Lodge)	Uganda		29.9189;-0.2408	914 m
Nyanugasani River	Uganda		29.8167;-0.1500	3050 ft

SE 00029Ac:

Lobango (see also: Lubango)	Congo (Democratic Republic of the)		29.2167;-0.3167	2197 m
Lubango (see Lobango)	Congo (Democratic Republic of the)		29.2167;-0.3167	2197 m

SE 00029Bc:

Ishasha River	Uganda	ca.	29.6833;-0.4667	
Lulimbi	Congo (Democratic Republic of the)		29.6500;-0.4667	

SE 00029Ca:

Kabale, south end lake Edward (see also: Kabare)	Congo (Democratic Republic of the)		29.1167;-0.6333	1791 m
Kabare (see Kabale), south end lake Edward	Congo (Democratic Republic of the)		29.1167;-0.6333	1791 m
Luofu	Congo (Democratic Republic of the)		29.1167;-0.6167	1809 m
Nzulu (see also: N'Zulu)	Congo (Democratic Republic of the)		29.0833;-0.6000	1500 m
N'Zulu (see Nzulu)	Congo (Democratic Republic of the)		29.0833;-0.6000	1500 m
Tshambi	Congo (Democratic Republic of the)		29.2333;-0.7333	1050 m

SE 00029Cb:

Bitshumbi (see Vitshumbi)	Congo (Democratic Republic of the)		29.3867;-0.6822	907 m
Kamande	Congo (Democratic Republic of the)		29.3000;-0.5833	925 m

Karambi	Congo (Democratic Republic of the)	29.3500;-0.6500	896 m
Kitonga	Congo (Democratic Republic of the)	29.3000;-0.5000	920 m
Lake Edward, S end	Congo (Democratic Republic of the)	ca. 29.3802;-0.6839	
Muyirimbo	Congo (Democratic Republic of the)	29.2833;-0.5333	
Mwiga	Congo (Democratic Republic of the)	29.4500;-0.6667	
Ngwiro	Congo (Democratic Republic of the)	29.4333;-0.7167	
Vitshumbi (see also: Bitshumbi)	Congo (Democratic Republic of the)	29.3867;-0.6822	907 m

SE 00029Da:

Bukorwe Ridge	Uganda	29.6667;-0.7333	3500 ft
Ishasha, 5 km E	Uganda	29.6700;-0.6800	1062 m
Kamohohora	Congo (Democratic Republic of the)	29.5500;-0.6667	

SE 00029Db:

Bwambara, 8 km N (see Bwentale Camp, below)	Uganda	29.8700;-0.5500	
Bwentale Camp, below (see also: Bwambara, 8 km N)	Uganda	29.8700;-0.5500	1031 m
Ishasha Road, 0.5 km S	Uganda	29.7667;-0.5000	1000 m
Kigezi Game Reserve	Uganda	29.8333;-0.5000	
Maramagambo Forest Reserve South	Uganda	29.9200;-0.5000	1092 m

SE 00029Cc:

Kashwa	Congo (Democratic Republic of the)	29.2000;-0.7833	1797 m

SE 00029Cd:

Katanda, Left bank Rutshuru river (see also: Katenda)	Congo (Democratic Republic of the)	29.3689;-0.8483	975 m
Katenda (see Katanda), Left bank Rutshuru river	Congo (Democratic Republic of the)	29.3689;-0.8483	975 m
Ruindi (see Rwindi)	Congo (Democratic Republic of the)	29.2906;-0.7847	1027 m
Rwere Rwindi	Congo (Democratic Republic of the)	29.3000;-0.7833	
Rwindi (see also: Ruindi)	Congo (Democratic Republic of the)	29.2906;-0.7847	1027 m

SE 00029Dc:

Byumba, edge of Bwindi-Impenetrable National Park	Uganda	29.6960;-0.9281	1540 m
Itama mine (see Rev Malebo) (see also: Ithama mine)	Uganda	29.6833;-0.9833	1615 m
Ithama mine (see Itama mine)	Uganda	29.6833;-0.9833	1615 m
Kayonza Crown Forest Reserve (see Kayonza Forest)	Uganda	29.7245;-0.9389	
Kayonza Forest (see also: Kayonza Crown Forest Reserve)	Uganda	29.7245;-0.9389	
Ngoto Swamp	Uganda	29.7310;-0.8811	1500 m
Omubiyanja Swamp	Uganda	29.6185;-0.9891	1850 m
Rev Malebo (see Malabo) (see also: Itama mine)	Equatorial Guinea	29.6833;-0.9833	0 m

SE 00030Aa:

Kasenji (see Kasenyi)	Uganda	30.1458;-0.0405	3000 ft
Kasenju (see Kasenyi)	Uganda	30.1458;-0.0405	3000 ft
Kasenyi (see also: Kasenji, Kasenju)	Uganda	30.1458;-0.0405	3000 ft

SE 00030Ac:

Enkombe Sawmill	Uganda	30.1200;-0.2800	1480 m
Kalinzu Forest	Uganda	30.0833;-0.4167	

Kamuzuku, lake 1 (see also: Lake Kamuzuku 1)	Uganda		30.1525;-0.2636	
Kamuzuku, lake 2 (see also: Lake Kamuzuku 2)	Uganda		30.1569;-0.2650	
Lake Kamuzuku 1 (see Kamuzuku, lake 1)	Uganda		30.1525;-0.2636	
Lake Kamuzuku 2 (see Kamuzuku, lake 2)	Uganda		30.1569;-0.2650	
Queen Elizabeth National Park (see Ruwenzori National Park)	Uganda		30.1864;-0.2500	
Queen Elizabeth Park (see Ruwenzori National Park)	Uganda		30.1864;-0.2500	
Ruwenzori National Park (see also: Queen Elizabeth National Park, Queen Elizabeth Park, Rwenzori National Park)	Uganda		30.1864;-0.2500	
Rwenzori National Park (see Ruwenzori National Park)	Uganda		30.1864;-0.2500	

SE 00030Ad:

Kasyoha-Kitomi Forest Reserve	Uganda		30.2500;-0.2500	

SE 00030Cb:

Fort Portal, Mpanga forest (see also: Kabarole)	Uganda		30.2664;-0.6939	1524 m
Kabarole (see Fort Portal), Mpanga forest	Uganda		30.2664;-0.6939	1524 m

SE 00030Da:

Mbarara, Ankole district	Uganda		30.6758;-0.6583	1436 m

SE 00031Bd:

Bukakata (see also: Bukakata Pier)	Uganda		31.9700;-0.3000	
Bukakata Pier (see Bukakata)	Uganda		31.9700;-0.3000	
Jubiya Forest, Masaka	Uganda		31.9167;-0.2500	
Lake Nabugabo (see Nabugabo, lake)	Uganda		31.8747;-0.3358	
Nabugabo, lake (see also: Lake Nabugabo)	Uganda		31.8747;-0.3358	

SE 00031Db:

South Buganda	Uganda		31.7500;-0.5000	

SE 00031Dc:

Malabigambo Forest	Uganda		31.6403;-0.9519	

SE 00032Ac:

Kalangala	Uganda		32.2250;-0.3089	1180 m
Kalangala, 1.0 km N, 0.5 km E	Uganda	ca.	32.2250;-0.3089	1140 m
Kalangala, 1.0 km S	Uganda	ca.	32.2250;-0.3089	1180 m

SE 00032Ad:

Bufumira Island	Uganda		32.4007;-0.3591	
Bukasa island	Uganda		32.4781;-0.4072	
Tende	Uganda		32.4800;-0.4700	

SE 00032Bc:

Makerere Hill	Uganda		32.5833;-0.3167	

SE 00032Db:

Nyanga, on Bugala island, in Lake Victoria	Uganda		32.8333;-0.6667	

SE 00033Bb:

Kama tin mine, near Leventobo	Uganda		33.9000;-0.1500	

SE 00034Aa:

Bondo, 4 mi [=6.4 km] W	Kenya		34.2194;-0.0803	

SE 00034Ab:

Bondo, Central Nyanza	Kenya		34.2667;-0.1000	1276 m

SE 00034Ba:

Impala Sanctuary	Kenya		34.7444;-0.1175	
Kit Mikayi	Kenya		34.5411;-0.1178	
State Lodge Campsite	Kenya		34.7461;-0.1094	

SE 00034Bb:

Kisumo (see Kisumu)	Kenya		34.7500;-0.1000	1131 m
Kisumu	Kenya		34.7500;-0.1000	1131 m
(see also: Kisumo, Lady Whitehouse, Port Florence, Winam)				
Lady Whitehouse (see Kisumu)	Kenya		34.7500;-0.1000	1131 m
Port Florence (see Kisumu)	Kenya		34.7500;-0.1000	1131 m
Winam (see Kisumu)	Kenya		34.7500;-0.1000	1131 m

SE 00034Bc:

Kavirondo Bay (see Winam Gulf)	Kenya		34.5833;-0.2500	
Kavirondo Gulf (see Winam Gulf)	Kenya		34.5833;-0.2500	
Kavirongo Gulf, S coast	Kenya	ca.	34.5833;-0.2500	
Winam Gulf	Kenya		34.5833;-0.2500	
(see also: Kavirondo Bay, Kavirondo Gulf)				

SE 00034Bd:

Kisumu district	Kenya		34.9167;-0.2500	

SE 00034Da:

Homa Bay county	Kenya	ca.	34.5000;-0.5000	ca. 1524 m
Nyanza (former) province	Kenya	ca.	34.5000;-0.5000	1524 m
West Nyanza district	Kenya	ca.	34.5000;-0.5000	1524 m

SE 00034Db:

Ahero, cave near, 10 mi [=16 km] N Kisii	Kenya		34.7667;-0.5378	
(see also: Kisii, 10 mi [=16 km] N)				
Kisii	Kenya		34.7667;-0.6833	1814 m
Kisii, 10 mi [=16 km] N (see Ahero, cave near)	Kenya		34.7667;-0.5378	
Othaya	Kenya		34.9500;-0.5667	1825 m

SE 00035Aa:

Chemelil	Kenya		35.1167;-0.1000	
(see also: Chemilil)				
Chemilil (see Chemelil)	Kenya		35.1167;-0.1000	
Songhor, near Kisumu	Kenya		35.2333;-0.0500	

SE 00035Ab:

Koru	Kenya		35.2667;-0.1833	1980 m
Koru, 10 km ENE	Kenya		35.2833;-0.1667	
Koru, 3 mi [=5 km] N (see Legetet Hill)	Kenya		35.2833;-0.1667	
Koru, 3 mi N	Kenya		35.2667;-0.1833	
Legatet Hill (see Legetet Hill), 3 mi [=5 km] N Koru	Kenya		35.2833;-0.1667	
Legatet Hill cave (see Legetet Hill), 3 mi [=5 km] N Koru	Kenya		35.2833;-0.1667	
Legetet Hill, 5 km N Koru	Kenya		35.2833;-0.1667	
(see also: Koru, 3 mi [=5 km] N, Legatet Hill, Legatet Hill cave)				
Lumbwa	Kenya		35.4667;-0.2000	2058 m
(see also: Lumowa)				
Lumowa (see Lumbwa)	Kenya		35.4667;-0.2000	2058 m

SE 00035Ba:

Loldiani, mount (see Mount Loldiani)	Kenya		35.7281;-0.1114	
Londiani	Kenya		35.6000;-0.1667	2440 m

Londiani, mount (see also: Mount Londiani, Mount Ololdiani, Ololdiani, mount)	Kenya		35.7167;-0.1000	
Mount Loldiani (see also: Loldiani, mount)	Kenya		35.7281;-0.1114	
Mount Ololdiani (see Londiani, mount)	Kenya		35.7167;-0.1000	
Ololdiani, mount (see Londiani, mount)	Kenya		35.7167;-0.1000	

SE 00035Bb:

Kammya Moto (see Kampi ya Moto (railroad station))	Kenya		35.9333;-0.1333	
Kampi ya Moto (railroad station) (see also: Kammya Moto)	Kenya		35.9333;-0.1333	1980 m
Menengai, Kampi ya Moto (see also: Menengai)	Kenya		35.9667;-0.2000	
Molo, 4 mi [=6.4 km] E	Kenya		35.7500;-0.2330	2347 m
Rongai	Kenya		35.8500;-0.1667	1911 m
Rongai, 5 km S	Kenya	ca.	35.8667;-0.1833	
Rongai, 5 mi [=8 km] SW, Molo river	Kenya	ca.	35.8667;-0.1833	
Sabatia	Kenya		35.7500;-0.0333	

SE 00035Ad:

Kericho	Kenya		35.2833;-0.3667	2093 m

SE 00035Bc:

Bogoria, 30 mi [=48 km] SW (see Molo)	Kenya		35.7333;-0.2500	
Hannington, 30 mi [=48 km] SW (see Molo)	Kenya		35.7333;-0.2500	
Lake Bogoria, 30 mi [=48 km] SW (see Molo)	Kenya		35.7333;-0.2500	
Lake Hannington, 30 mi [=48 km] SW (see Molo)	Kenya		35.7333;-0.2500	
Mole (see Molo)	Kenya		35.7333;-0.2500	
Molo, 30 mi [=48 km] SW lake Hannington (see also: Bogoria, 30 mi [=48 km] SW, Hannington, 30 mi [=48 km] SW, Lake Bogoria, 30 mi [=48 km] SW, Lake Hannington, 30 mi [=48 km] SW, Mole)	Kenya		35.7333;-0.2500	

SE 00035Bd:

Molo, near	Kenya		35.8056;-0.2500	
Njoro, 3 mi [=4.8 km] W	Kenya		35.9000;-0.3333	2225 m

SE 00035Ca:

Sotik	Kenya	ca.	35.1109;-0.6914	

SE 00035Da:

Mau Forest, 20 mi [=32 km] W Nakuru (see also: Nakuru, 20 mi [=32 km] W, Njoro river (2))	Kenya		35.7399;-0.6125	2286 m
Nakuru, 20 mi [=32 km] W (see Mau Forest)	Kenya		35.7399;-0.6125	
Njoro river (2) (see Mau Forest), 20 mi [=32 km] W Nakuru	Kenya	ca.	35.7399;-0.6125	2286 m

SE 00036Aa:

Bahati Policepost (see Bahati Settlement), near Nakuru	Kenya		36.1167;-0.1500	7500 ft
Bahati Settlement, near Nakuru (see also: Bahati Policepost)	Kenya		36.1167;-0.1500	7500 ft
Menegai Caldera (see Menengai Crater)	Kenya		36.0667;-0.2000	
Menengai Crater (see also: Menegai Caldera, Menengai Crater, cave at S rim, Menengai Crater, Mengengai cave, Menengai Crater, wall, Mount Menengai, Mount Menengai Crater)	Kenya		36.0667;-0.2000	
Menengai Crater, cave at S rim (see Menengai Crater)	Kenya	ca.	36.0667;-0.2000	
Menengai Crater, Mengengai cave (see Menengai Crater)	Kenya	ca.	36.0667;-0.2000	
Menengai Crater, wall (see Menengai Crater)	Kenya	ca.	36.0667;-0.2000	
Mount Menengai (see Menengai Crater)	Kenya		36.0667;-0.2000	
Mount Menengai Crater (see Menengai Crater)	Kenya		36.0667;-0.2000	
Subukia, near Mount Merengai	Kenya		36.1833;-0.1667	2134 m

SE 00036Ac:

Diatomite mine, 3 km N, 14 km E Elmenteita	Kenya		36.1736;-0.4303	
Elmenteita, lake (see also: En Munteita, Lake Elmenteita, Ol Muteita)	Kenya		36.2427;-0.4401	1829 m
Elmenteita, near	Kenya		36.1500;-0.4833	1981 m
En Munteita (see Elmenteita, lake)	Kenya		36.2427;-0.4401	1829 m
Kit Rawlins Farm, 4 mi E Nakuru (see also: Nakuru, 4 mi E)	Kenya	ca.	36.0667;-0.2833	
Lake Elmenteita (see Elmenteita, lake)	Kenya		36.2427;-0.4401	1829 m
Lake Nakuru (see also: Nakuru, lake)	Kenya		36.1097;-0.3569	1829 m
Lake Naruku National Park (see also: Nakuru Lake Forest, Nakuru Lake Forest Reserve, Naruku, lake, National Park)	Kenya		36.0997;-0.3394	1757 m
Lion Hill (see Lion Hill cave)	Kenya		36.1333;-0.3500	
Lion Hill cave, 7 km S, 5 km E Nakuru (see also: Lion Hill, Nakuru, 7 km S, 5 km E)	Kenya		36.1333;-0.3500	
Makalia Falls	Kenya		36.0817;-0.4914	1842 m
Nakuru	Kenya		36.0667;-0.2833	1952 m
Nakuru Lake Forest (see Lake Naruku National Park)	Kenya		36.0997;-0.3394	
Nakuru Lake Forest Reserve (see Lake Naruku National Park)	Kenya		36.0997;-0.3394	
Nakuru Prison cave, 4 km N, 2 km W Nakuru (see also: Nakuru, 4 km N, 2 km W)	Kenya	ca.	36.0667;-0.2833	
Nakuru, 12 km S, 4 km E	Kenya		36.1167;-0.4000	
Nakuru, 2 mi [=3.2 km] S	Kenya		36.0167;-0.3000	1920 m
Nakuru, 2 mi [=3.2 km] W	Kenya		36.0378;-0.2833	1844 m
Nakuru, 3 km S, 3 km W (see Njoro river)	Kenya		36.0500;-0.3167	
Nakuru, 4 km N, 2 km W (see Nakuru Prison cave)	Kenya	ca.	36.0667;-0.2833	
Nakuru, 4 mi [=6.4 km] E	Kenya		36.1245;-0.2833	
Nakuru, 4 mi E (see Kit Rawlins Farm)	Kenya	ca.	36.0667;-0.2833	
Nakuru, 5 km WSW	Kenya		36.0667;-0.2667	
Nakuru, 6 km E	Kenya		36.1245;-0.2833	
Nakuru, 7 km S, 5 km E (see Lion Hill cave)	Kenya		36.1333;-0.3500	
Nakuru, lake (see Lake Nakuru)	Kenya		36.1097;-0.3569	1829 m
Nakuru, near	Kenya		36.0667;-0.2833	1981 m
Naruku, lake, National Park (see Lake Naruku National Park)	Kenya		36.0997;-0.3394	1757 m
Njoro river, 3 km S, 3 km W Nakuru (see also: Nakuru, 3 km S, 3 km W)	Kenya		36.0500;-0.3167	
Ol Muteita (see Elmenteita, lake)	Kenya		36.2427;-0.4401	1829 m

SE 00036Ad:

Elmenteita, 3 km N, 14 km E (see Gilgil)	Kenya		36.3120;-0.4897	1962 m
Gilgil, 3 km N, 14 km E Elmenteita (see also: Elmenteita, 3 km N, 14 km E)	Kenya		36.3120;-0.4897	1962 m
Kariandusi mines, near Gilgil and Lake Elmentaita	Kenya		36.2819;-0.4514	

SE 00036Bc:

Aberdare mountains (see also: Aberdare range, Aberdares, Osufuko Lerego)	Kenya		36.6356;-0.3855	
Aberdare range (see Aberdare mountains)	Kenya		36.6356;-0.3855	
Aberdares (see Aberdare mountains)	Kenya		36.6356;-0.3855	
Osufuko Lerego (see Aberdare mountains)	Kenya		36.6356;-0.3855	

SE 00036Bd:

Muiga, 10 mi [=16 km] NW (see Mweiga, 10 mi [=16 km] NW)	Kenya	ca.	36.9000;-0.3167	
Mweiga, 10 mi [=16 km] NW (see also: Muiga, 10 mi [=16 km] NW)	Kenya	ca.	36.9000;-0.3167	
Ngaranyiru, Mweiga	Kenya		36.9000;-0.3167	
Nyeri, near Mount Kenya (see also: Nyiri)	Kenya		36.9500;-0.4167	1768 m
Nyiri (see Nyeri)	Kenya		36.9500;-0.4167	1768 m

SE 00036Ca:

Naivasha, 1 km S, 25 km W (see Ndabibi cave)	Kenya		36.2167;-0.7333	
Ndabibi cave, 1 km S, 25 km W Naivasha (see also: Naivasha, 1 km S, 25 km W)	Kenya		36.2167;-0.7333	

SE 00036Cb:

Gilgil river (see also: Khirgil river, Kilgil river)	Kenya		36.3500;-0.7167	
Gilgil, near	Kenya	ca.	36.3167;-0.5000	
Jaika cave	Kenya		36.2542;-0.5636	
Khirgil river (see Gilgil river)	Kenya		36.3500;-0.7167	
Kilgil river (see Gilgil river)	Kenya		36.3500;-0.7167	
Naivasha (see also: Naivasha Station)	Kenya		36.4333;-0.7167	2085 m
Naivasha Station (see Naivasha)	Kenya		36.4333;-0.7167	2085 m
Naivasha, 10 mi [=16 km] W	Kenya	ca.	36.2869;-0.7128	
Naivasha, 2 mi [=3.2 km] SE (see Naivasha, Lake Hotel)	Kenya		36.4333;-0.7333	
Naivasha, Lake Hotel (see also: Naivasha, 2 mi [=3.2 km] SE)	Kenya		36.4333;-0.7333	
Pipeline cave	Kenya		36.2944;-0.5392	

SE 00036Da:

Naivasha, 24 km E	Kenya		36.6500;-0.7333	
South Kinangop plateau	Kenya		36.6591;-0.7308	8000 ft

SE 00036Db:

Naivasha, 35 km E	Kenya		36.7500;-0.7333	1890 m
Naivasha, 35.4 km E	Kenya		36.7500;-0.7333	1900 m

SE 00036Cd:

Enaiposha (see Naivasha, lake)	Kenya		36.3500;-0.7667	6000 ft
Hells Gate Canyon (see Ololbutot)	Kenya		36.3167;-0.9167	
Lake Naivasha (see Naivasha, lake)	Kenya		36.3500;-0.7667	6000 ft
Lake Naivasha, cave near (see Naivasha, cave near lake)	Kenya	ca.	36.3500;-0.7667	
Lake Naivasha, E shore (see Naivasha, E shore lake)	Kenya	ca.	36.3500;-0.7667	1829 m
Lake Naivasha, near (see Naivasha, near lake)	Kenya	ca.	36.3500;-0.7667	1890 m
Lake Naivasha, S end (see Naivasha, S end lake)	Kenya	ca.	36.3500;-0.7667	
Naivasha, 7 mi [=11 km] SE	Kenya	ca.	36.4767;-0.7925	
Naivasha, cave near lake (see also: Lake Naivasha, cave near)	Kenya	ca.	36.3500;-0.7667	
Naivasha, E shore lake (see also: Lake Naivasha, E shore)	Kenya	ca.	36.3500;-0.7667	1829 m
Naivasha, lake (see also: Enaiposha, Lake Naivasha)	Kenya		36.3500;-0.7667	6000 ft
Naivasha, near lake (see also: Lake Naivasha, near)	Kenya	ca.	36.3500;-0.7667	1890 m
Naivasha, S end lake (see also: Lake Naivasha, S end)	Kenya	ca.	36.3500;-0.7667	
Njerowa Gorge, near lake Naivasha	Kenya		36.3167;-0.9000	
Ololbutot (see also: Hells Gate Canyon)	Kenya		36.3167;-0.9167	

SE 00036Dc:

East Kyabe (see Kijabe)	Kenya		36.5667;-0.9333	2049 m
Gatamayu, 2.5 km N, 0.5 km W	Kenya		36.6964;-0.9702	2200 m
Kijabe (see also: East Kyabe, Kyabe)	Kenya		36.5667;-0.9333	2049 m
Kijabe	Kenya		36.5667;-0.9333	2049 m
Kijabe Station (see also: Kyabe Station, New Kijabe)	Kenya		36.5833;-0.9167	
Kyabe (see Kijabe)	Kenya		36.5667;-0.9333	2049 m
Kyabe Station (see Kijabe Station)	Kenya		36.5833;-0.9167	
New Kijabe (see Kijabe Station)	Kenya		36.5833;-0.9167	
Ngobi forest, Nairobi (Nakuru road)	Kenya	ca.	36.5000;-0.7500	

SE 00037Aa:

Guaso Nyuki	Kenya	ca.	37.2333;-0.1167	
Mau Mau cave	Kenya		37.1372;-0.2169	
Nanyuki river	Kenya	ca.	37.2167;-0.1000	
Nara Moro (see Naro Moru)	Kenya		37.0167;-0.1667	1890 m
Naro Moru (see also: Nara Moro)	Kenya		37.0167;-0.1667	1890 m
Northern Guaso Nyiro, Nyuki [=Nanyuki] river (see also: Northern Nanyuki river, Northern Nyuki river)	Kenya	ca.	37.2167;-0.1000	
Northern Nanyuki river (see Northern Guaso Nyiro, Nyuki [=Nanyuki] river)	Kenya	ca.	37.2167;-0.1000	
Northern Nyuki river (see Northern Guaso Nyiro, Nyuki [=Nanyuki] river)	Kenya	ca.	37.2167;-0.1000	

SE 00037Ab:

Kenya, mount (see also: Kilinyaga, Kirinyaga, Mount Kenya)	Kenya		37.3333;-0.1667	
Kilinyaga (see Kenya, mount)	Kenya		37.3333;-0.1667	
Kirinyaga (see Kenya, mount)	Kenya		37.3333;-0.1667	
Mount Kenya (see Kenya, mount)	Kenya		37.3333;-0.1667	
Mount Kenya, W side (see also: Western Slope of Mount Kenya)	Kenya	ca.	37.3333;-0.1667	2134 m
Suyan Lugga, Bansaloi area, Mount Kenya	Kenya		37.3333;-0.1667	1219 m
Western Slope of Mount Kenya (see Mount Kenya, W side)	Kenya	ca.	37.3333;-0.1667	

SE 00037Ad:

Kamama (church)	Kenya		37.4667;-0.4333	1219 m

SE 00037Bd:

Keekevok, Mara river	Kenya	ca.	37.7500;-0.2667	1615 m
Mara river, 15 mi [=24 km] up, 15 mi up from Tanganyika border	Kenya	ca.	37.7500;-0.2667	

SE 00037Ca:

Fort Hall (see Murang'a)	Kenya		37.1500;-0.7167	1255 m
Kiuu	Kenya		37.1500;-0.6000	1308 m
Murang'a (see also: Fort Hall)	Kenya		37.1500;-0.7167	1255 m
Sagana river	Kenya	ca.	37.2000;-0.6667	

SE 00037Cb:

Daraja na Moneu (see Nyamindi), 10 mi [=16 km] W Embu	Kenya		37.4167;-0.6667	1463 m
Embu, 10 mi [=16 km] W (see Nyamindi)	Kenya		37.4167;-0.6667	1463 m
Nyamindi, 10 mi [=16 km] W Embu (see also: Daraja na Moneu, Embu, 10 mi [=16 km] W)	Kenya		37.4167;-0.6667	1463 m

SE 00037Cc:

Dhika, 6 km N (see Thika, 6 km N)	Kenya	ca.	37.0858;-0.9936	ca. 1500 m
Kambiti Estate (see also: Kambiti W.H.)	Kenya		37.2333;-0.8167	
Kambiti W.H. (see Kambiti Estate)	Kenya		37.2333;-0.8167	
Thika, 16 km N	Kenya		37.0833;-0.9000	1500 m
Thika, 6 km N (see also: Dhika, 6 km N)	Kenya	ca.	37.0858;-0.9936	ca. 1500 m

SE 00038Ac:

Kathita river (see also: Kathitha river, Kazita river)	Kenya		38.0031;-0.2661	
Kathitha river (see Kathita river)	Kenya		38.0031;-0.2661	
Kazita river (see Kathita river)	Kenya		38.0031;-0.2661	

SE 00038Cc:

Mwingi	Kenya		38.0667;-0.9333	938 m
Mwingi, 10 mi [1.6 km] E	Kenya	ca.	38.0667;-0.9333	

SE 00038Cd:

Kinu	Kenya		38.3000;-0.9667	
Kyanguli	Kenya		38.3839;-0.8108	
Kyanguli (hill)	Kenya		38.3838;-0.8109	
Kyanguli area	Kenya	ca.	38.3838;-0.8109	

SE 00039Bc:

Garissa	Kenya		39.6583;-0.4569	151 m

SE 00039Dd:

Garissa, 35 mi [=56 km] downstream (see Maningi)	Kenya		39.9000;-0.8667	
Maningi, 35 mi [=56 km] downstream from Garissa (see also: Garissa, 35 mi [=56 km] downstream)	Kenya		39.9000;-0.8667	

SE 00040Cb:

Garissa district	Kenya		40.2500;-0.5000	

SE 00041Da:

Wadajir, 8 km N, 4.5 km E	Somalia		41.7000;-0.6667	

SE 00042Bc:

Chisimaio (see Kismaayo)	Somalia		42.5333;-0.3667	0 m
Chisimayu (see Kismaayo)	Somalia		42.5333;-0.3667	0 m
Kisimayo (see Kismaayo)	Somalia		42.5333;-0.3667	0 m
Kisimayu (see Kismaayo)	Somalia		42.5333;-0.3667	0 m
Kismaanyo (see Kismaayo)	Somalia		42.5333;-0.3667	0 m
Kismaayo (see also: Chisimaio, Chisimayu, Kisimayo, Kisimayu, Kismaanyo, Kismaju, Kismanyó, Kismayo, Kismayu)	Somalia		42.5333;-0.3667	0 m
Kismaju (see Kismaayo)	Somalia		42.5333;-0.3667	0 m
Kismanyó (see Kismaayo)	Somalia		42.5333;-0.3667	0 m
Kismayo (see Kismaayo)	Somalia		42.5333;-0.3667	0 m
Kismayu (see Kismaayo)	Somalia		42.5333;-0.3667	0 m

SE 01005Bc:

Ambo (see Palé)	Equatorial Guinea		5.6333;-1.4069	0 m
Annobon	Equatorial Guinea	ca.	5.6333;-1.4333	
Annobón (see Palé)	Equatorial Guinea		5.6333;-1.4069	0 m
Ciudad de Pali (see Palé)	Equatorial Guinea		5.6333;-1.4069	0 m
Monte Cus (see Monte Cusuzua)	Equatorial Guinea		5.6333;-1.4333	
Monte Cusuzua (see also: Monte Cus)	Equatorial Guinea		5.6333;-1.4333	
Palé (see also: Ambo, Annobón, Ciudad de Pali, San Antonio, San Antonio de Palé)	Equatorial Guinea		5.6333;-1.4069	0 m
San Antonio (see Palé)	Equatorial Guinea		5.6333;-1.4069	0 m
San Antonio de Palé (see Palé)	Equatorial Guinea		5.6333;-1.4069	0 m
San Juan	Equatorial Guinea		5.6333;-1.4167	0 m
San Pedro	Equatorial Guinea		5.6517;-1.4344	0 m

SE 01009Ab:

Anengué lake (see Lake Anengué)	Gabon		9.4914;-1.1414	
Bas Ogooué (see Ogooué River, lower)	Gabon	ca.	9.2500;-1.0000	
Lac Anengé (see Lake Anengué)	Gabon		9.4914;-1.1414	
Lac Anengué (see Lake Anengué)	Gabon		9.4914;-1.1414	
Lac Avengé (see Lake Anengué)	Gabon		9.4914;-1.1414	

Lake Anengué (see also: Anengué lake, Lac Anengé, Lac Anengué, Lac Avengé)	Gabon		9.4914;-1.1414	
Lower Ogooué River (see Ogooué River, lower)	Gabon	ca.	9.2500;-1.0000	
Ogooué River, lower (see also: Bas Ogooué, Lower Ogooué River)	Gabon	ca.	9.2500;-1.0000	

SE 01009Cb:

Fernan Vaz (see Omboué)	Gabon		9.2500;-1.5667	0 m
Fernand-Vaz (see Omboué)	Gabon		9.2500;-1.5667	0 m
Ntyonga	Gabon	ca.	9.2500;-1.5667	
Omboué (see also: Fernan Vaz, Fernand-Vaz)	Gabon		9.2500;-1.5667	0 m
Rembo Kotou	Gabon	ca.	9.2500;-1.5667	

SE 01009Da:

Mpéré (see also: Mperi, Ompéré)	Gabon		9.6833;-1.6833	32 m
Mperi (see Mpéré)	Gabon		9.6833;-1.6833	32 m
Ompéré (see Mpéré)	Gabon		9.6833;-1.6833	32 m

SE 01009Cd:

Anguanamo, Lake Ngovi (see also: Bangue, lake, Igela Lagoon , Iguéla, Lagoon, Lagune d' Iguela, Lagune N'Gove , Lagune Ngobé , Lake Bangue , Lake N'Gové , Lake Ngovi, Ngobé, Lagoon, N'Gove, Lagoon, N'Gové, lake, Ngovi, lake)	Gabon	ca.	9.4557;-1.9190	
Bangue, lake (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
Igela Lagoon (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
Iguéla, Lagoon (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
Lagune d' Iguela (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
Lagune Iguéla	Gabon	ca.	9.4557;-1.9190	
Lagune N'Gove (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
Lagune Ngobé (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
Lake Bangue (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
Lake N'Gové (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
Lake Ngovi (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
Ngobé, Lagoon (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
N'Gove, Lagoon (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
N'Gové, lake (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	
Ngovi, lake (see Anguanamo)	Gabon	ca.	9.4557;-1.9190	

SE 01009Dd:

Gamba complex (see Ossengue Camp site)	Gabon		9.9000;-1.9330	
M'bari site, 8 km N airport terminal	Gabon		9.8830;-1.8670	
Ossengue Camp site (see also: Gamba complex)	Gabon		9.9000;-1.9330	
Rabi 59 site	Gabon		9.8670;-1.9500	
Rabi Oil Field	Gabon		9.8830;-1.8670	
Rabi Oil Field, 3 km N airport terminal	Gabon		9.8830;-1.9170	
Rabi Oil Field, 6 km N airport terminal	Gabon		9.8830;-1.8670	
Toucan site	Gabon		9.9000;-1.8000	
Well 45, 1 km NE, Rabi Oilfield	Gabon	ca.	9.8830;-1.9170	
Well 59, 100 m N, Rabi Oilfield	Gabon	ca.	9.8830;-1.9170	

SE 01010Dc:

Mount Tandou (see also: Tandou, mount)	Gabon		10.6667;-1.8333	610 m

SE 01011Cc:

La Mouila (see Mouila)	Gabon		11.0167;-1.8667	156 m
Mouila (see also: La Mouila)	Gabon		11.0167;-1.8667	156 m

SE 01013Aa:

Ogowe	Gabon		13.0000;-1.0000	

SE 01013Da:

Franceville	Gabon		13.5833;-1.6333	333 m
Franceville, mission	Gabon		13.6153;-1.6081	
Franceville, near	Gabon	ca.	13.5833;-1.6333	

SE 01016Bb:

Mossaka	Congo		16.7942;-1.2142	290 m
(see also: Mossake, Village Mossake)				
Mossake (see Mossaka)	Congo		16.7942;-1.2142	290 m
Village Mossake (see Mossaka)	Congo		16.7942;-1.2142	290 m

SE 01017Aa:

Lukolela	Congo (Democratic Republic of the)		17.2000;-1.0500	285 m
Lukolela, 4 mi from	Congo (Democratic Republic of the)	ca.	17.2000;-1.0500	

SE 01018Bd:

Keri river	Congo (Democratic Republic of the)		18.9667;-1.4833	
(see also: Kiri river)				
Kiri river (see Keri river)	Congo (Democratic Republic of the)		18.9667;-1.4833	

SE 01018Ca:

Batoko (river) (see Olongo-Nsongo [river])	Congo (Democratic Republic of the)		18.0833;-1.6500	
Olongo-Nsongo [river]	Congo (Democratic Republic of the)		18.0833;-1.6500	
(see also: Batoko (river))				

SE 01018Cd:

Inongo	Congo (Democratic Republic of the)		18.2667;-1.9500	335 m

SE 01020Ad:

Wafania	Congo (Democratic Republic of the)		20.3333;-1.3500	396 m
(see also: Wafanya)				
Wafanya (see Wafania)	Congo (Democratic Republic of the)		20.3333;-1.3500	396 m

SE 01020Dd:

Boangi	Congo (Democratic Republic of the)		20.9333;-1.8500	419 m

SE 01022Bb:

Yalusaka	Congo (Democratic Republic of the)		22.9667;-1.0833	420 m

SE 01023Aa:

Haut Tshuapa (see Tshuapa river, upper)	Congo (Democratic Republic of the)		23.0333;-1.0000	
Tshuapa, bovenloop (see Tshuapa river, upper)	Congo (Democratic Republic of the)		23.0333;-1.0000	

SE 01023Ab:

Ikela	Congo (Democratic Republic of the)		23.2667;-1.1833	425 m
Ikela territory	Congo (Democratic Republic of the)		23.2667;-1.1833	
Tshuapa river, upper	Congo (Democratic Republic of the)		23.3333;-1.0000	
(see also: Haut Tshuapa, Tshuapa, bovenloop)				

SE 01023Ac:

Yayama	Congo (Democratic Republic of the)	23.1167;-1.2667	456 m

SE 01025Ac:

Obenge	Congo (Democratic Republic of the)	25.0333;-1.3833	

SE 01027Ab:

Muhulu	Congo (Democratic Republic of the)	27.2833;-1.0500	671 m
Oso River, Muhulu	Congo (Democratic Republic of the)	27.4167;-1.0667	

SE 01027Bd:

Rutu [river] (see Utu [river])	Congo (Democratic Republic of the)	27.8167;-1.4000	
Utu [river] (see also: Rutu [river])	Congo (Democratic Republic of the)	27.8167;-1.4000	

SE 01028Ab:

Kilinga	Congo (Democratic Republic of the)	28.4833;-1.1667	1275 m

SE 01028Ac:

Malembe, in the south of the Walikale Territory	Congo (Democratic Republic of the)	ca. 28.0667;-1.4333	
Walikale	Congo (Democratic Republic of the)	28.0572;-1.4156	703 m

SE 01028Bd:

Mumba	Congo (Democratic Republic of the)	28.8836;-1.4558	1765 m
Niabiondo (see Nyabiondo)	Congo (Democratic Republic of the)	28.7500;-1.2500	1297 m
Nyabiondo, near Masisi (see also: Niabiondo)	Congo (Democratic Republic of the)	28.7500;-1.2500	1297 m

SE 01028Ca:

Luhohov (river), near Irangi reserve	Congo (Democratic Republic of the)	28.0975;-1.5056	
Musenge, 15 mi S Walikale	Congo (Democratic Republic of the)	28.1205;-1.6649	
Senga, 15 mi [=24 km] S Walikale	Congo (Democratic Republic of the)	28.1205;-1.6649	950 m
Walikale, 15 mi [=24 km] S	Congo (Democratic Republic of the)	28.1205;-1.6649	

SE 01028Cb:

Musenge	Congo (Democratic Republic of the)	28.3000;-1.6167	

SE 01028Cd:

Bukavu, 100 km W (see Irangi Forest)	Congo (Democratic Republic of the)	28.4500;-1.9000	
Forêt d'Irangi (see Irangi Forest)	Congo (Democratic Republic of the)	28.4500;-1.9000	
Irangi (see also: Irangi, slightly E of)	Congo (Democratic Republic of the)	28.4500;-1.9000	
Irangi bos (see Irangi Forest)	Congo (Democratic Republic of the)	28.4500;-1.9000	

Irangi Forest (see also: Bukavu, 100 km W, Forêt d'Irangi, Irangi bos)	Congo (Democratic Republic of the)		28.4500;-1.9000	
Irangi, 2 mi [=3.2 km] from (see Kasiba)	Congo (Democratic Republic of the)	ca.	28.4500;-1.9000	
Irangi, 3 mi [=4.8 km] from, on Irangi - Bukavu road	Congo (Democratic Republic of the)	ca.	28.4500;-1.9000	
Irangi, slightly E of (see Irangi), on road to Bukavu	Congo (Democratic Republic of the)	ca.	28.4500;-1.9000	
Kasiba, 2 mi [=3.2 km] from Irangi (see also: Irangi, 2 mi [=3.2 km] from)	Congo (Democratic Republic of the)	ca.	28.4500;-1.9000	
Lwana River	Congo (Democratic Republic of the)	ca.	28.4719;-1.9380	

SE 01028Dc:

Irangi, 10 km from (see Tshambutschu)	Congo (Democratic Republic of the)	ca.	28.5000;-1.9667	
Lai Lay (see Lailai)	Congo (Democratic Republic of the)		28.5719;-1.9486	1276 m
Lailai (see also: Lai Lay)	Congo (Democratic Republic of the)		28.5719;-1.9486	1276 m
Tschambutscha (see Tshambutschu), 10 km from Irangi	Congo (Democratic Republic of the)	ca.	28.5000;-1.9667	
Tshambutschu, 10 km from Irangi (see also: Irangi, 10 km from, Tschambutscha)	Congo (Democratic Republic of the)	ca.	28.5000;-1.9667	

SE 01028Dd:

Kasebere	Congo (Democratic Republic of the)		28.7500;-1.8167	

SE 01029Aa:

Katanda road, km 411	Congo (Democratic Republic of the)		29.0000;-1.0000	

SE 01029Ab:

Albert National Park (see Virunga National Park)	Congo (Democratic Republic of the)		29.2500;-1.0000	
Bugara	Congo (Democratic Republic of the)		29.4667;-1.1667	1200 m
Bulaya	Congo (Democratic Republic of the)		29.4500;-1.2000	1160 m
Bunyangura	Congo (Democratic Republic of the)		29.4333;-1.1500	1200 m
Bunyenzi	Congo (Democratic Republic of the)		29.4500;-1.1667	1225 m
Bushdinka (see Busholinka river)	Congo (Democratic Republic of the)		29.4833;-1.1833	1350 m
Busholinka river (see also: Bushdinka)	Congo (Democratic Republic of the)		29.4833;-1.1833	1350 m
Gahama (see also: Kahama)	Congo (Democratic Republic of the)		29.4667;-1.2167	1250 m
Geramihasha river, affluent of Rodahira river	Congo (Democratic Republic of the)		29.4500;-1.2167	1250 m
Kadehe River	Congo (Democratic Republic of the)		29.4833;-1.1500	1250 m
Kahama (see Gahama)	Congo (Democratic Republic of the)		29.4667;-1.2167	1250 m
Kantundwe (see also: Kontundwe)	Congo (Democratic Republic of the)		29.4667;-1.1667	1150 m
Kanzarue river	Congo (Democratic Republic of the)		29.4000;-1.1500	1150 m
Kasebaya river (see Kasebeya River)	Congo (Democratic Republic of the)		29.4667;-1.1667	1350 m
Kasebeya River (see also: Kasebaya river)	Congo (Democratic Republic of the)		29.4667;-1.1667	1350 m
Kontundwe (see Kantundwe)	Congo (Democratic Republic of the)		29.4667;-1.1667	1150 m
Lac Ondo (see Ondo, lake)	Congo (Democratic Republic of the)		29.3225;-1.1353	
Lake Ondo (see Ondo, lake)	Congo (Democratic Republic of the)		29.3225;-1.1353	

Molindi river	Congo (Democratic Republic of the)		29.3167;-1.1500	1000 m
Mount Muvo (see Muvo, mount)	Congo (Democratic Republic of the)		29.3000;-1.2333	
Murambi, near Rutshuru	Congo (Democratic Republic of the)		29.4500;-1.1333	1275 m
Musugeriza river	Congo (Democratic Republic of the)		29.4500;-1.1500	1150 m
Muvo, mount (see also: Mount Muvo)	Congo (Democratic Republic of the)		29.3000;-1.2333	
Myabikere (see Nyabikere)	Congo (Democratic Republic of the)		29.4500;-1.1667	1160 m
Niabikere (see Nyabikere)	Congo (Democratic Republic of the)		29.4500;-1.1667	1160 m
Nyabikere (see also: Myabikere, Niabikere)	Congo (Democratic Republic of the)		29.4500;-1.1667	1160 m
Nyabitembe river	Congo (Democratic Republic of the)		29.4000;-1.2167	1225 m
Nyakariba river, affluent of Fuko river	Congo (Democratic Republic of the)		29.4000;-1.2167	1325 m
Ondo, lake (see also: Lac Ondo, Lake Ondo)	Congo (Democratic Republic of the)		29.3225;-1.1353	
Parc National Albert (see Virunga National Park)	Congo (Democratic Republic of the)		29.2500;-1.0000	
PNA (see Virunga National Park)	Congo (Democratic Republic of the)		29.2500;-1.0000	
Rodahira river, near Rutshuru	Congo (Democratic Republic of the)		29.4333;-1.2167	1200 m
Ruchuru (see Rutshuru)	Congo (Democratic Republic of the)		29.4489;-1.1842	1203 m
Rumanura river	Congo (Democratic Republic of the)		29.4667;-1.1667	1200 m
Rutshuru (see also: Ruchuru)	Congo (Democratic Republic of the)		29.4489;-1.1842	1219 m
Tumbwe	Congo (Democratic Republic of the)	ca.	29.2500;-1.0000	
Virunga National Park (see also: Albert National Park, Parc National Albert, PNA)	Congo (Democratic Republic of the)		29.2500;-1.0000	

SE 01029Ba:

Bwindi area	Uganda	ca.	29.7194;-1.0357	
Bwindi-Impenetrable National Park	Uganda		29.7194;-1.0357	1500 m
Impenetrable Forest, Kigezi district	Uganda		29.6667;-1.0000	
Kanyawamukunzi river	Congo (Democratic Republic of the)		29.5667;-1.1667	1300 m
Lake Mutanda (see Lake Mutanda) (see also: Lake Mutanda)	Uganda		29.6753;-1.2086	1829 m
Mutanda, lake	Uganda		29.6753;-1.2086	
Nteko parish	Uganda	ca.	29.6000;-1.0378	1600 m
Rusenyi river	Congo (Democratic Republic of the)		29.5833;-1.2000	1300 m

SE 01029Bb:

Luhiza Mine (see Ruhizha wolfram mine)	Uganda		29.7783;-1.0314	2286 m
Ruhiza (see also: Ruhizha)	Togo		29.7826;-1.0450	8000 ft
Ruhizha (see Ruhiza)	Togo		29.7826;-1.0450	8000 ft
Ruhizha area	Togo	ca.	29.7826;-1.0450	
Ruhizha wolfram mine (see also: Luhiza Mine)	Uganda		29.7783;-1.0314	

SE 01029Ac:

Kanzenze	Congo (Democratic Republic of the)		29.2142;-1.3839	2343 m

SE 01029Ad:

Fuko	Congo (Democratic Republic of the)		29.4667;-1.2500	1300 m
Fuko (river)	Congo (Democratic Republic of the)		29.4667;-1.2500	1300 m

Kamikoni	Congo (Democratic Republic of the)	29.3167;-1.2667	
Kibumba, Goma - Rutshuru road, 1800 m outside Albert National Park [=Virunga National Park]	Congo (Democratic Republic of the)	29.3333;-1.4667	1650 m
Lulenga (see Rugari)	Congo (Democratic Republic of the)	29.3731;-1.4131	2089 m
Nyambere (see Nyarusambo)	Congo (Democratic Republic of the)	29.3500;-1.4800	
Nyarusambo (see also: Nyambere)	Congo (Democratic Republic of the)	29.3500;-1.4800	
Ramangabo (see Rumangabo)	Congo (Democratic Republic of the)	29.3692;-1.3578	1587 m
Rugari (see also: Lulenga)	Congo (Democratic Republic of the)	29.3731;-1.4131	2089 m
Rumangabo (see also: Ramangabo, Rumengabo)	Congo (Democratic Republic of the)	29.3692;-1.3578	1587 m
Rumengabo (see Rumangabo)	Congo (Democratic Republic of the)	29.3692;-1.3578	1587 m

SE 01029Bc:

Colline Kidaho (see Kidaho)	Rwanda	29.7425;-1.3700	1944 m
Colline Musanze (see Musanze)	Rwanda	29.6008;-1.4825	
Djemba (see also: Djomba)	Congo (Democratic Republic of the)	29.5667;-1.3333	1500 m
Djomba (see Djemba)	Congo (Democratic Republic of the)	29.5667;-1.3333	1500 m
Gahinga (vulcano)	Rwanda	29.6333;-1.4000	
Jomba	Congo (Democratic Republic of the)	29.5539;-1.2817	
Kanyamiketo	Rwanda	29.5833;-1.4333	
Kibumbu crater, caves 2 and 3	Rwanda	29.5432;-1.4097	
Kidaho (see also: Colline Kidaho)	Rwanda	29.7425;-1.3700	1944 m
Kinigi	Rwanda	29.5667;-1.4500	2179 m
Kinyamahura	Congo (Democratic Republic of the)	29.5500;-1.3000	1905 m
Kisisile	Congo (Democratic Republic of the)	29.5000;-1.4167	1250 m
Kisolo (see Kisoro)	Uganda	29.6983;-1.3539	1829 m
Kisoro (see also: Kisolo)	Uganda	29.6983;-1.3539	1829 m
Muhabura (volcano) (see also: Muhavura (volcano))	Rwanda	29.7089;-1.3844	
Muhavura (volcano) (see Muhabura (volcano))	Rwanda	29.7089;-1.3844	
Musanse (see Musanze)	Rwanda	29.6008;-1.4825	
Musanze (see also: Colline Musanze, Musanse)	Rwanda	29.6008;-1.4825	
Musanze-Djomba	Congo (Democratic Republic of the)	29.5667;-1.3333	1500 m

SE 01029Bd:

Bufundi (see also: Bugundi)	Rwanda	29.8503;-1.3450	
Bugundi (see Bufundi)	Rwanda	29.8500;-1.3450	
Bunyoni, lake (see Bunyonyi, lake)	Uganda	29.9181;-1.2833	
Bunyonyi, lake (see also: Bunyoni, lake, Lake Bunyoni, Lake Bunyonyi)	Uganda	29.9181;-1.2833	
Echuya Forest Reserve	Uganda	29.8333;-1.3000	2380 m
Lake Bunyoni (see Bunyonyi, lake)	Uganda	29.9181;-1.2833	
Lake Bunyonyi (see Bunyonyi, lake)	Uganda	29.9181;-1.2833	

SE 01029Ca:

Bobandana	Congo (Democratic Republic of the)	29.0130;-1.6990	
Goma (see also: Ngoma)	Congo (Democratic Republic of the)	29.2228;-1.6792	1499 m
Kivu volcano (see Nyirogongo volcano)	Congo (Democratic Republic of the)	29.2496;-1.5219	
Lac Mugunga (see Mugunga, lake)	Congo (Democratic Republic of the)	29.1333;-1.6167	1500 m

Lake Mugunga (see Mugunga, lake)	Congo (Democratic Republic of the)	29.1333;-1.6167	1500 m
Mugunga meer (see Mugunga, lake)	Congo (Democratic Republic of the)	29.1333;-1.6167	1500 m
Mugunga, lake (see also: Lac Mugunga, Lake Mugunga, Mugunga meer)	Congo (Democratic Republic of the)	29.1333;-1.6167	1500 m
Ngoma (see Goma)	Congo (Democratic Republic of the)	29.2228;-1.6792	1499 m
Niragongo volcano (see Nyirogongo volcano)	Congo (Democratic Republic of the)	29.2496;-1.5219	
Nyiragongo volcano (see Nyirogongo volcano)	Congo (Democratic Republic of the)	29.2496;-1.5219	
Nyirogongo volcano (see also: Kivu volcano, Niragongo volcano, Nyiragongo volcano, Tshamiagongo volcano, Tshaninagongo, Volcan du Kivu, Volcan Niragong, Volcan Nyiragongo, Volcan Nyirogongo, Volcan Tshamiagongo)	Congo (Democratic Republic of the)	29.2496;-1.5219	
Tshamiagongo volcano (see Nyirogongo volcano)	Congo (Democratic Republic of the)	29.2496;-1.5219	
Tshaninagongo (see Nyirogongo volcano)	Congo (Democratic Republic of the)	29.2496;-1.5219	
Volcan du Kivu (see Nyirogongo volcano)	Congo (Democratic Republic of the)	29.2496;-1.5219	
Volcan Niragong (see Nyirogongo volcano)	Congo (Democratic Republic of the)	29.2496;-1.5219	
Volcan Nyiragongo (see Nyirogongo volcano)	Congo (Democratic Republic of the)	29.2496;-1.5219	
Volcan Nyirogongo (see Nyirogongo volcano)	Congo (Democratic Republic of the)	29.2496;-1.5219	
Volcan Tshamiagongo (see Nyirogongo volcano)	Congo (Democratic Republic of the)	29.2496;-1.5219	

SE 01029Cb:

Brouwerij Baai (see Gisenyi)	Rwanda	29.2564;-1.7028	1481 m
Colline Gosenyi (see Gisenyi)	Rwanda	29.2564;-1.7028	1481 m
Gisenyi (see also: Brouwerij Baai, Colline Gosenyi, Gosenyi)	Rwanda	29.2564;-1.7028	1481 m
Gisenyi (see also: Kisenyi, Kisenyi, road to Sake, Kissenji)	Rwanda	29.2547;-1.6875	1450 m
Gosenyi (see Gisenyi)	Rwanda	29.2564;-1.7028	1481 m
Kisenyi (see Gisenyi)	Rwanda	29.2547;-1.6875	1450 m
Kisenyi, road to Sake (see Gisenyi)	Rwanda	29.2547;-1.6875	1450 m
Kissenji (see Gisenyi)	Rwanda	29.2547;-1.6875	1450 m
Masha	Rwanda	29.3297;-1.5925	2085 m
Mugongo	Congo (Democratic Republic of the)	29.3333;-1.5000	
Mutura	Rwanda	29.3822;-1.5989	2370 m
Nyambumba	Rwanda	29.2833;-1.7000	
Tamira	Rwanda	29.3667;-1.5667	

SE 01029Da:

Bugoye Kisenyi	Rwanda	29.5833;-1.7000	
Nyakinama	Rwanda	29.6417;-1.5728	1661 m
Rambura	Congo (Democratic Republic of the)	29.5833;-1.6667	
Ruhengeri	Rwanda	29.6358;-1.5042	1772 m
Rwankwi	Rwanda	29.5333;-1.5333	

SE 01029Cc:

Kihumba (see Kiumba)	Congo (Democratic Republic of the)	29.0797;-1.9403	1602 m
Kiumba (see also: Kihumba)	Congo (Democratic Republic of the)	29.0797;-1.9403	1602 m

SE 01029Cd:

Bugarura island	Rwanda	29.2667;-1.9108	
Colline Murunda (see Muhazi)	Rwanda	29.3667;-1.9000	1711 m

Kayove	Rwanda		29.3531;-1.8844	1841 m
Murunda	Rwanda		29.3667;-1.9000	1711 m

SE 01030Ba:

Itama area (see Kikagati area)	Uganda	ca.	30.6881;-1.1036	
Itama Mine area (see Kikagati area)	Uganda	ca.	30.6881;-1.1036	
Kikagati area	Uganda	ca.	30.6881;-1.1036	
(see also: Itama area, Itama Mine area)				
Kikagati mine	Uganda		30.6881;-1.1036	1407 m

SE 01030Ad:

Kakitumba	Rwanda		30.2833;-1.4833	1400 m
Mimuli	Rwanda		30.2572;-1.4511	

SE 01030Bc:

Gihinda (see Gihinga)	Rwanda		30.6167;-1.4000	1400 m
Gihinga	Rwanda		30.6167;-1.4000	1400 m
(see also: Gihinda)				
Lugarama	Rwanda		30.5333;-1.4333	
Magachi	Rwanda		30.5667;-1.3333	
Nyakichozi	Rwanda		30.6167;-1.3833	1250 m

SE 01030Ca:

Byumba	Rwanda		30.0675;-1.5764	2300 m
Nyundo	Rwanda		30.0269;-1.6964	1594 m

SE 01030Cb:

Bilalu	Rwanda		30.3000;-1.5000	1600 m
(see also: Bilule)				
Bilule (see Bilalu)	Rwanda		30.3000;-1.5000	1600 m
Gabiro	Rwanda		30.4667;-1.5167	1400 m

SE 01030Da:

Akagera Park	Rwanda		30.5000;-1.5000	
(see also: Kagera National Park, Parc National de la Kagera)				
Kagera National Park (see Akagera Park)	Rwanda		30.5000;-1.5000	
Katjumbura	Rwanda		30.7333;-1.5500	
Lac Mihindi (see Mihindi, lake)	Rwanda		30.7000;-1.5333	
Lake Mihindi (see Mihindi, lake)	Rwanda		30.7000;-1.5333	
Mihindi, lake	Rwanda		30.7000;-1.5333	
(see also: Lac Mihindi, Lake Mihindi)				
Muluchu	Rwanda		30.6167;-1.5333	
Parc National de la Kagera (see Akagera Park)	Rwanda		30.5000;-1.5000	

SE 01030Db:

Mugarura, Lake Kivu	Rwanda	ca.	30.7500;-1.7000	

SE 01030Cc:

Kigale (see Kigali)	Rwanda		30.0606;-1.9536	1567 m
Kigali	Rwanda		30.0606;-1.9536	1567 m
(see also: Kigale)				
Masaka - Kigali	Rwanda		30.1917;-1.9956	1448 m

SE 01030Cd:

Kisiguru (Mission) (see Kiziguro (Mission))	Rwanda		30.4000;-1.7667	
Kiziguro (Mission)	Rwanda		30.4000;-1.7667	
(see also: Kisiguru (Mission), Kiziguru (Mission))				
Kiziguru (Mission) (see Kiziguro (Mission))	Rwanda		30.4000;-1.7667	
Muhasi (see Muhazi)	Rwanda		30.4114;-1.9019	1529 m
Muhazi	Rwanda		30.4114;-1.9019	1529 m
(see also: Colline Murunda, Muhasi)				
Rwamagana	Rwanda		30.4378;-1.9525	1528 m

SE 01030Dc:

Kayonza	Rwanda		30.5203;-1.9456	2400 m
Kionja	Rwanda		30.7167;-1.8333	1677 m
Rukara, between Butare and Akanyaru river	Rwanda		30.5006;-1.7986	1625 m

SE 01030Dd:

Ihema, lake (see also: Lac Ihema, Lake Ihema)	Rwanda		30.7792;-1.8700	
Lac Ihema (see Ihema, lake)	Rwanda		30.7792;-1.8700	
Lake Ihema (see Ihema, lake)	Rwanda		30.7792;-1.8700	

SE 01031Ba:

Kele	Tanzania		31.5200;-1.1000	
Minziro	Tanzania		31.5333;-1.0667	
Minziro Forest Reserve	Tanzania		31.5333;-1.0500	

SE 01031Bc:

Bukoba district	Tanzania		31.5000;-1.3333	

SE 01031Bd:

Bukoba, Lake Victoria	Tanzania		31.7789;-1.3317	1250 m
Karugu	Tanzania		31.8167;-1.3167	

SE 01033Aa:

Lake Victoria (see Victoria, lake)	Uganda	ca.	33.0000;-1.0000	
Lake Victoria (see Victoria, lake)	Tanzania		33.0000;-1.0000	
Nam Lolwe (see Victoria, lake)	Tanzania		33.0000;-1.0000	
Nam Lolwe (see Victoria, lake)	Uganda	ca.	33.0000;-1.0000	
Ukerewe (see Victoria, lake)	Uganda	ca.	33.0000;-1.0000	
Ukerewe (see Victoria, lake)	Tanzania		33.0000;-1.0000	
Victoria Nyanza (see Victoria, lake)	Tanzania		33.0000;-1.0000	
Victoria Nyanza (see Victoria, lake)	Uganda	ca.	33.0000;-1.0000	
Victoria, lake (see also: Lake Victoria, Nam Lolwe, Ukerewe, Victoria Nyanza)	Uganda	ca.	33.0000;-1.0000	
Victoria, lake (see also: Lake Victoria, Nam Lolwe, Ukerewe, Victoria Nyanza)	Tanzania		33.0000;-1.0000	

SE 01033Db:

Chandege	Tanzania		33.8000;-1.5167	1133 m
Kampi Ya Mawe	Tanzania		33.8333;-1.5000	
Mara, Mugeta	Tanzania		33.8167;-1.5167	
Mazama (see Musoma)	Tanzania		33.8000;-1.5000	
Misoma (see Musoma)	Tanzania		33.8000;-1.5000	
Musoma (see also: Mazama, Misoma, Musome, Muzoma)	Tanzania		33.8000;-1.5000	
Musome (see Musoma)	Tanzania		33.8000;-1.5000	
Muzoma (see Musoma)	Tanzania		33.8000;-1.5000	
Trina	Tanzania	ca.	33.8000;-1.5000	
Zanari	Tanzania		33.8000;-1.5167	1134 m

SE 01033Cc:

Ukara island, Lake Victoria	Tanzania		33.0500;-1.8333	

SE 01033Dd:

Kiswanga	Tanzania		33.9333;-1.9500	
Musoma district	Tanzania		33.8333;-1.7500	

SE 01034Bd:

Governor's Camp, Eastern Bank of the Mara River	Kenya		34.9887;-1.4102	
Talek Gate, 4.3 km NW	Kenya		34.8833;-1.3833	

SE 01034Db:

Bologonja (see Bologonya), Serengeti	Tanzania		34.9667;-1.5667	
Bologonya, Serengeti (see also: Bologonja)	Tanzania		34.9667;-1.5667	
Tabora	Tanzania		34.7667;-1.7167	

SE 01034Cc:

Mageta (see Mugeta)	Tanzania		34.2000;-1.9500	1354 m
Mugeta (see also: Mageta)	Tanzania		34.2000;-1.9500	1354 m

SE 01035Ab:

Aitong [veterinary facility]	Kenya		35.2500;-1.1833	
Lemek hill	Kenya		35.3833;-1.1000	2076 m
Narok, 35 mi [=56 km] WNW (see Olkenyie)	Kenya		35.4667;-1.2167	
Olkenyie, 35 mi [=56 km] WNW Narok (see also: Narok, 35 mi [=56 km] WNW)	Kenya		35.4667;-1.2167	

SE 01035Ba:

Ngore Ngore	Kenya		35.5000;-1.0333	1982 m

SE 01035Bb:

Engare Narok River (see also: Ngare Narok River)	Kenya	ca.	35.8805;-1.2134	
Ngare Narok River (see Engare Narok River)	Kenya	ca.	35.8805;-1.2134	

SE 01035Ac:

Talek Gate	Kenya		35.0667;-1.4333	
Talek Gate, near	Kenya	ca.	35.0667;-1.4333	
Talek River, 5 mi [=8 km] above Jagartek River junction	Kenya	ca.	35.0969;-1.4142	

SE 01035Ad:

Cherangani Hills (see also: Cherangani Mountains)	Kenya		35.4500;-1.2500	
Cherangani Mountains (see Cherangani Hills)	Kenya		35.4500;-1.2500	
Jagartek and Talek rivers junction, 8 km above	Kenya		35.2500;-1.3667	

SE 01035Bd:

Mard river	Kenya	ca.	35.7500;-1.2500	1372 m
Narok district	Kenya		35.7500;-1.2500	

SE 01035Ca:

Sand River (campting on), border Mara-Masai National Reserve	Kenya	ca.	35.0297;-1.5564	

SE 01035Dd:

Lake Magadi, 40 km W (see also: Magadi, 40 km W Lake)	Kenya	ca.	35.8086;-1.7575	762 m
Magadi, 40 km W Lake (see Lake Magadi, 40 km W)	Kenya	ca.	35.8086;-1.7575	762 m

SE 01036Ab:

Mount Londiani (see Londiani, mount) (see also: Mount Suswa cave, Ol Doinyo Nyuki, cave, Susua, cave, Suswa caves)	Kenya		36.3500;-1.1500	
Mount Susua (see Oldoinyo Nyukie)	Kenya		36.3500;-1.1500	
Mount Suswa (see Oldoinyo Nyukie)	Kenya		36.3500;-1.1500	
Mount Suswa cave (see Mount Londiani), 35 mi [= 55 km] WNW Nairobi (see also: Nairobi, 35 mi [= 55 km] WNW)	Kenya		36.3500;-1.1500	2195 m
Nairobi, 35 mi [= 55 km] WNW (see Mount Suswa cave)	Kenya		36.3500;-1.1500	2195 m
Ol Doinyo Nyuki, cave (see Mount Londiani)	Kenya		36.3500;-1.1500	

Oldoinyo Nyukie (see also: Mount Susua, Mount Suswa, Susua, mount, Suswa, mount)	Kenya		36.3500;-1.1500	
Oldoinyo Nyukie, cave	Kenya		36.3500;-1.1500	
Susua, cave (see Mount Londiani)	Kenya		36.3500;-1.1500	
Susua, mount (see Oldoinyo Nyukie)	Kenya		36.3500;-1.1500	
Suswa caves (see Mount Londiani)	Kenya		36.3500;-1.1500	
Suswa, mount (see Oldoinyo Nyukie)	Kenya		36.3500;-1.1500	

SE 01036Ba:

Kedong Valley (see Nkidong Valley)	Kenya		36.5000;-1.1667	6000 ft
Kiriri	Kenya		36.5667;-1.2000	1971 m
Limuru	Kenya		36.6500;-1.1000	2240 m
Limuru, near	Kenya		36.6500;-1.1000	
Nkidong Valley (see also: Kedong Valley)	Kenya		36.5000;-1.1667	6000 ft

SE 01036Bb:

Karura Forest	Kenya		36.8333;-1.2333	1828 m
Kiambu	Kenya		36.8333;-1.1667	1723 m
Kiambu, 4 mi [=6.4 km] NW	Kenya	ca.	36.8333;-1.1667	
Kiambu, near	Kenya	ca.	36.8333;-1.1667	1828 m
Nairobi, 32 km N (see Ruiru)	Kenya		36.9667;-1.1500	1564 m
Ruaraka, Safari Park Hotel; NE of Nairobi (see also: Ruivi)	Kenya		36.8833;-1.2333	5300 ft
Ruiru, 32 km N Nairobi (see also: Nairobi, 32 km N)	Kenya		36.9667;-1.1500	1564 m
Ruivi (see Ruaraka), Nairobi, N	Kenya	ca.	36.8833;-1.2333	5300 ft
Thika road, 12 km NE Nairobi	Kenya		36.8893;-1.2208	

SE 01036Bc:

Gikuyu (see Kikuyu)	Kenya		36.6667;-1.2500	1931 m
Kabete	Kenya		36.7167;-1.2667	1826 m
Karen, 10 mi [=16 km] SW, near Nairobi	Kenya	ca.	36.6667;-1.4000	
Keambiroiro (see Ngong Hills)	Kenya		36.6333;-1.4000	
Kiambiruiru (see Ngong Hills)	Kenya		36.6333;-1.4000	
Kikuyu (see also: Gikuyu)	Kenya		36.6667;-1.2500	1931 m
Lollaisihr, Ol Doinyo (see Ngong Hills)	Kenya		36.6333;-1.4000	
Lollaisir, Ol Doinyo (see Ngong Hills)	Kenya		36.6333;-1.4000	
Ngong, near Nairobi (see also: Ngong Forest)	Kenya		36.6500;-1.3667	1829 m
Ngong Forest (see Ngong), near Nairobi	Kenya		36.6500;-1.3667	1829 m
Ngong Hills (see also: Keambiroiro, Kiambiruiru, Lollaisihr, Ol Doinyo, Lollaisir, Ol Doinyo, Ol Doinyo Lollaisihr, Ol Doinyo Lollaisir, Ol Doinyo Ololemoya, Ololemoya, Ol Doinyo)	Kenya		36.6333;-1.4000	
Ol Doinyo Lollaisihr (see Ngong Hills)	Kenya		36.6333;-1.4000	
Ol Doinyo Lollaisir (see Ngong Hills)	Kenya		36.6333;-1.4000	
Ol Doinyo Ololemoya (see Ngong Hills)	Kenya		36.6333;-1.4000	
Ololemoya, Ol Doinyo (see Ngong Hills)	Kenya		36.6333;-1.4000	
Westwood Park Hotel	Kenya		36.6333;-1.4000	

SE 01036Bd:

Athi River, near Nairobi (see also: Athi River Station, Athi River Town, Athi Station)	Kenya		36.9833;-1.4500	1528 m
Athi River Station (see Athi River), near Nairobi	Kenya		36.9833;-1.4500	1528 m
Athi River Town (see Athi River), near Nairobi	Kenya		36.9833;-1.4500	1528 m
Athi River Town, 1 mi [=1.6 km] S	Kenya	ca.	36.9833;-1.4500	
Athi river, 6 mi [=9.7 km] S, near Nairobi	Kenya	ca.	36.9833;-1.4500	
Athi Station (see Athi River), near Nairobi	Kenya		36.9833;-1.4500	1528 m
Karen, 10 mi W Nairobi (see also: Nairobi Fort, Nairobi, 10 mi [=16 km] W)	Kenya		36.7500;-1.3333	
Karen, near	Kenya	ca.	36.7500;-1.3333	
Kilimani Estate	Kenya		36.7833;-1.2833	
Langata (see Langata Rongai) (see also: Langata)	Kenya		36.7667;-1.4000	1731 m
Langata cemetery (see Langata Rongai)	Kenya		36.7667;-1.4000	1731 m

Langata forest (see Langata Rongai)	Kenya		36.7667;-1.4000	1731 m
Langata Rongai	Kenya		36.7667;-1.4000	1731 m
(see also: Langata, Langata cemetery)				
Langata Rongai	Kenya		36.7667;-1.4000	1731 m
(see also: Langata forest)				
Makoyeti Gorge	Kenya		36.8333;-1.3667	
Mathaiga (Golf course), 3 mi [=4.8 km] N Nairobi	Kenya	ca.	36.8333;-1.2500	1694 m
(see also: Nairobi, 3 mi [=4.8 km] N)				
Nairobi	Kenya		36.8167;-1.2833	1728 m
(see also: Nairobi Station)				
Nairobi area	Kenya	ca.	36.8167;-1.2833	
Nairobi Fort (see Karen)	Kenya		36.7500;-1.3333	
Nairobi National Park	Kenya		36.8333;-1.3667	
Nairobi Royal National Park	Kenya		36.8333;-1.3667	
Nairobi Station (see Nairobi)	Kenya		36.8167;-1.2833	
Nairobi, 10 mi [=16 km] S, on river	Kenya	ca.	36.8167;-1.3333	
Nairobi, 10 mi [=16 km] W (see Karen)	Kenya		36.7500;-1.3333	
Nairobi, 10 mi [=16 km] below, on river	Kenya	ca.	36.8167;-1.2833	1707 m
Nairobi, 3 mi [=4.8 km] N (see Mathaiga (Golf course))	Kenya	ca.	36.8333;-1.2500	1694 m
Nairobi, 6 mi [=9.6 km] N	Kenya	ca.	36.8167;-1.2833	
Nairobi, University	Kenya		36.8167;-1.2833	
West Lands (see Westlands)	Kenya		36.8000;-1.2667	1768 m
Westlands	Kenya		36.8000;-1.2667	1768 m
(see also: West Lands)				

SE 01036Cb:

Ololkisalie National Park (see Olorgasailie)	Kenya		36.4500;-1.5667	1050 m
Ololkisalie National Park (see Olorgasailie), near Magadi	Kenya		36.4500;-1.5667	
Ololkisalie Royal National Park (see Olorgasailie)	Kenya		36.4500;-1.5667	1050 m
Ololkisalie Royal National Park (see Olorgasailie), near Magadi	Kenya		36.4500;-1.5667	
Olorgasailie, near Magadi	Kenya		36.4500;-1.5667	
(see also: Ololkisalie National Park , Ololkisalie Royal National Park , Olorgasailie National Monument, Olorgesailie Pre-historic Site, Olorgesaille Royal National Park)				
Olorgasailie	Kenya		36.4500;-1.5667	1050 m
(see also: Ololkisalie National Park, Ololkisalie Royal National Park, Olorgasailie National Monument, Olorgesailie Pre-historic Site, Olorgesaille Royal National Park)				
Olorgasailie National Monument (see Olorgasailie)	Kenya		36.4500;-1.5667	1050 m
Olorgasailie National Monument (see Olorgasailie), near Magadi	Kenya		36.4500;-1.5667	
Olorgesailie Pre-historic Site (see Olorgasailie)	Kenya		36.4500;-1.5667	1050 m
Olorgesailie Pre-historic Site (see Olorgasailie), near Magadi	Kenya		36.4500;-1.5667	
Olorgesaille Royal National Park (see Olorgasailie)	Kenya		36.4500;-1.5667	1050 m
Olorgesaille Royal National Park (see Olorgasailie), near Magadi	Kenya		36.4500;-1.5667	

SE 01036Cc:

Endoposei river, Base of Ngur[u]man escarpment, near Kamela	Kenya		36.0333;-1.7500	
Masailand	Kenya	ca.	36.0000;-1.7500	
Nguruman Escarpment, Uaso River Bridge, 1.6 km N	Kenya		36.0333;-1.7500	610 m
Olebortoto River (see Oleibortoto river)	Kenya		36.0000;-1.8333	
(see also: River Olebortoto)				
Oleibortoto river	Kenya		36.0000;-1.8333	
(see also: Olebortoto River)				

SE 01036Cd:

Lake Magadi (see Magadi, lake)	Kenya		36.2833;-1.8667	
Lake Magadi, 3 mi [=4.8 km] E (see Magadi, 3 mi [=4.8 km] E Lake)	Kenya	ca.	36.2833;-1.8667	
Lake Magadi, cave near (see Magadi, cave near Lake)	Kenya	ca.	36.2833;-1.8667	
Lake Magadi, near (see Magadi, near Lake)	Kenya	ca.	36.2833;-1.8667	
Magadi	Kenya		36.2833;-1.9000	595 m
Magadi, 3 mi [=4.8 km] E Lake	Kenya	ca.	36.2833;-1.8667	
(see also: Lake Magadi, 3 mi [=4.8 km] E)				
Magadi, cave near Lake	Kenya	ca.	36.2833;-1.8667	
(see also: Lake Magadi, cave near)				

Magadi, lake (see also: Lake Magadi)	Kenya		36.2833;-1.8667	
Magadi, near	Kenya	ca.	36.2833;-1.9000	2000 ft
Magadi, near Lake (see also: Lake Magadi, near)	Kenya	ca.	36.2833;-1.8667	

SE 01037Aa:

Dhika (see Thika)	Kenya		37.0833;-1.0500	
Kalimoni	Kenya		37.0167;-1.1000	1551 m
Thika (see also: Dhika)	Kenya		37.0833;-1.0500	
Thika, near	Kenya	ca.	37.0833;-1.0500	

SE 01037Ab:

Doinyo Sapuk (see Donyo Sabuk)	Kenya		37.2667;-1.1333	
Donjo Sebuk (see Donyo Sabuk)	Kenya		37.2667;-1.1333	
Donya Sabuk (see Donyo Sabuk)	Kenya		37.2667;-1.1333	
Donyo Sabuk (see also: Doinyo Sapuk, Donjo Sebuk, Donya Sabuk, Nairobi, 32 mi [=52 km] NE, Ol Doinyo Sapuk, mount, Ol Donyo Sabuk National Park, Ol'Donyo Sabuk)	Kenya		37.2667;-1.1333	
Donyo Sabuk, 3.2 km SE	Kenya		37.2667;-1.1167	
Kajata area (see Kayata area), near Donyo Sabuk	Kenya		37.3276;-1.1281	
Kayata area, near Donyo Sabuk (see also: Kajata area)	Kenya		37.3276;-1.1281	
Kithimani area	Kenya		37.4469;-1.1866	
Nairobi, 32 mi [=52 km] NE (see Donyo Sabuk)	Kenya		37.2667;-1.1333	
Ol Doinyo Sapuk, mount (see Donyo Sabuk), 32 mi NE Nairobi	Kenya		37.2667;-1.1333	
Ol Donyo Sabuk National Park (see Donyo Sabuk), 32 mi NE Nairobi	Kenya		37.2667;-1.1333	
Ol'Donyo Sabuk (see Donyo Sabuk)	Kenya		37.2667;-1.1333	

SE 01037Ac:

Lukenia	Kenya		37.0500;-1.4833	1524 m
Lukenia hills (see Ulukenia hills), Athi plains	Kenya	ca.	37.0500;-1.4833	
Lukenya hills (see Ulukenia hills), Athi plains	Kenya	ca.	37.0500;-1.4833	
Lukenya, mount	Kenya		37.0500;-1.4667	
Mount Lukenya	Kenya		37.0500;-1.4667	
Ulucania hills (see Ulukenia hills), Athi plains	Kenya	ca.	37.0500;-1.4833	
Ulukenia hills, Athi plains (see also: Lukenia hills, Lukenya hills, Ulucania hills)	Kenya	ca.	37.0500;-1.4833	

SE 01037Bc:

Mbondone (see Mbondoni)	Kenya		37.5325;-1.4544	
Mbondoni (see also: Mbondone)	Kenya		37.5325;-1.4544	

SE 01037Ca:

Athi River, 6 mi [=9.6 km] SE	Kenya		37.0330;-1.5000	
Katalembo (see Katalembu)	Kenya		37.2000;-1.5167	1769 m
Katalembu (see also: Katalembo)	Kenya		37.2000;-1.5167	1769 m
Machakos, 15 mi [=24 km] SW	Kenya	ca.	37.1167;-1.6667	1829 m

SE 01037Cb:

Ianzoni	Kenya		37.3167;-1.6833	1738 m
Kalama (location) (see also: Mbeyo Hill)	Kenya		37.3333;-1.6000	
Kalama Hills	Kenya		37.3500;-1.6167	
Kalama location	Kenya		37.3333;-1.6333	
Kalonduni	Kenya	ca.	37.3333;-1.6333	
Kamuani	Kenya	ca.	37.2667;-1.5167	
Kamuani Area	Kenya		37.2667;-1.5167	
Kamuuani	Kenya	ca.	37.2667;-1.5167	
Katuaa Market	Kenya		37.3189;-1.6823	

Keyanguli, Kasema	Kenya		37.2500;-1.5000	1829 m
Kivani	Kenya		37.3667;-1.7167	1529 m
Kyamunyu	Kenya		37.3059;-1.6579	
(see also: Kyamunyuu, Kyamuyu)				
Kyamunyuu (see Kyamunyu)	Kenya		37.3059;-1.6579	
Kyamuyu (see Kyamunyu)	Kenya		37.3059;-1.6579	
Kyangili (see Kyangili Dam)	Kenya		37.3000;-1.6667	
Kyangili Dam	Kenya		37.3000;-1.6667	
(see also: Kyangili)				
Machakos	Kenya		37.2667;-1.5167	1714 m
(see also: Masaku)				
Machakos, 15 mi [=24 km] SE	Kenya		37.4201;-1.6710	1829 m
Machakos, mear	Kenya	ca.	37.2667;-1.5167	1219 m
Masaku (see Machakos)	Kenya		37.2667;-1.5167	1714 m
Mbebo Hill (see Mbevo)	Kenya		37.2833;-1.6500	
Mbero (see Mbevo)	Kenya		37.2833;-1.6500	
Mbero area (see Mbevo area)	Kenya	ca.	37.2833;-1.6500	
Mbero Rock	Kenya	ca.	37.2833;-1.6500	
Mbevo	Kenya		37.2833;-1.6500	
(see also: Mbebo Hill, Mbero)				
Mbevo area	Kenya	ca.	37.2833;-1.6500	
(see also: Mbero area)				
Mbevo Hills	Kenya	ca.	37.2667;-1.6167	
Mbeyo Hill (see Kalama (location)), near Machakos	Kenya	ca.	37.2667;-1.6167	
Momandu Hill (see Muumandu)	Kenya		37.2833;-1.6667	
Mumandu Hill (see Muumandu)	Kenya		37.2833;-1.6667	
Muumandu	Kenya		37.3500;-1.5833	
(see also: Momandu Hill, Mumandu Hill, Muumandu Hill, Muumandu Market)				
Muumandu Hill (see Muumandu)	Kenya		37.2833;-1.6667	
Muumandu Market (see Muumandu)	Kenya		37.2833;-1.6667	
Nairobi, 30 mi [=48 km] E	Kenya		37.2667;-1.5167	1524 m

SE 01037Da:

Konza Hill	Kenya		37.7000;-1.5833	

SE 01037Cc:

Kiu	Kenya		37.1667;-1.9000	1503 m
Konza	Kenya		37.1167;-1.7500	1583 m
Konza area	Kenya	ca.	37.1167;-1.7500	
Konza Farm	Kenya	ca.	37.1167;-1.7500	
Ulu	Kenya		37.1500;-1.8167	1588 m

SE 01037Cd:

Inyokomi (see Inyokoni)	Kenya		37.4000;-1.7833	1853 m
Inyokoni	Kenya		37.4000;-1.7833	1853 m
(see also: Inyokomi)				
Kalanzoni	Kenya	ca.	37.3667;-1.7667	
Kithembe (sub-)location	Kenya	ca.	37.3667;-1.7667	
Nyaami	Kenya	ca.	37.4167;-1.8000	

SE 01037Dc:

Makueni	Kenya		37.6167;-1.8000	1218 m
(see also: Makueni Boma)				
Makueni Boma (see Makueni)	Kenya		37.6167;-1.8000	1218 m

SE 01038Ac:

Kitui	Kenya		38.0167;-1.3667	1151 m
(see also: Ukamba)				
Ngomeni, N of Kitui	Kenya		38.0167;-1.3667	
Ukamba (see Kitui)	Kenya		38.0167;-1.3667	1151 m

SE 01040Aa:

Masabubu	Kenya		40.0175;-1.2131	93 m
Masabubu, 0.5 mi [=0.8 km] E	Kenya	ca.	40.0167;-1.2000	
Masabubu, 1.5 mi [=2.4 km] E	Kenya	ca.	40.0167;-1.2000	

SE 01040Bb:

Galma Galla [waterholes]	Kenya		40.7833;-1.2000	270 ft
Galma Galla, 1 mi [=1.6 km] W	Kenya	ca.	40.7833;-1.2000	ca. 270 ft
Galma Galla, 1.5 mi [=2.4 km] W	Kenya	ca.	40.7833;-1.2000	ca. 270 ft

SE 01040Ac:

Makere, lower Tana river (see also: Makeri)	Kenya	40.0053;-1.3486	80 m
Makeri (see Makere), lower Tana river	Kenya	40.0053;-1.3486	80 m

SE 01040Ad:

Koran Badas	Kenya	40.4833;-1.3500	

SE 01040Ca:

Galole Road, 8.5 km N Garsen (see also: Garsen, 8.5 km N)	Kenya	40.0289;-1.5036	77 m
Garsen, 8.5 km N (see Galole Road), on Galole road	Kenya	40.0289;-1.5036	77 m

SE 01040Da:

Garissa, 100 mi [=160 km] S (see Ijara)	Kenya		40.5253;-1.6033	52 m
Ijara, 100 mi south Garissa (see also: Garissa, 100 mi [=160 km] S)	Kenya		40.5253;-1.6033	52 m
Ijara, 2.5 mi [=4 km] SW	Kenya	ca.	40.5253;-1.6033	225 ft
Ijara, 4.5 mi [=7.2 km] SW	Kenya	ca.	40.5253;-1.6033	

SE 01040Dc:

Bodhai (see Bodhei)	Kenya	40.7275;-1.8686	11 m
Bodhei (see also: Bodhai, Boni Forest)	Kenya	40.7275;-1.8686	11 m
Boni Forest (see Bodhei)	Kenya	40.7275;-1.8686	11 m

SE 01041Cb:

Boni National Reserve	Kenya	41.3314;-1.5394	

SE 02009Db:

Cette Cama (see Setté Cama)	Gabon	9.7500;-2.5333	0 m
Setté Cama (see also: Cette Cama)	Gabon	9.7500;-2.5333	0 m

SE 02010Ab:

Aire d'Exploitation Rationelle de Faune des Monts Doudou (see Mount Doudou fauna exploitation area), 24.3 km - 25.2 km NW Doussala	Gabon	10.4058;-2.2225	
Doussala, 24.3 km NW	Gabon	10.4058;-2.2225	375 m
Doussala, 25.2 km NW	Gabon	10.3945;-2.2272	625 m
Mount Doudou fauna exploitation area, 24.3 km - 25.2 km NW Doussala (see also: Aire d'Exploitation Rationelle de Faune des Monts Doudou)	Gabon	10.4058;-2.2225	

SE 02010Ba:

Malimba	Gabon	10.6833;-2.1500	

SE 02010Ad:

Doussala, 12.2 km NW (see Moukalaba Reserve)	Gabon	10.4972;-2.2833	110 m
Moukalaba Reserve, 12.2 km NW Doussala (see also: Doussala, 12.2 km NW, Réserve de la Moukalaba)	Gabon	10.4972;-2.2833	110 m
Réserve de la Moukalaba (see Moukalaba Reserve), 12.2 km NW Doussala	Gabon	10.4972;-2.2833	110 m

SE 02011Ad:

Ndendé	Gabon	11.3833;-2.3833	541 m
(see also: N'Dendé)			
N'Dendé (see Ndendé)	Gabon	11.3833;-2.3833	541 m

SE 02011Cc:

Sibange farm (see Tchibanga)	Gabon	11.0333;-2.8500	166 m
Ssibange farm (see Tchibanga)	Gabon	11.0333;-2.8500	166 m
Tchibanga	Gabon	11.0333;-2.8500	166 m
(see also: Sibange farm, Ssibange farm)			

SE 02012Ca:

Divanié (see Divenié)	Congo	12.0856;-2.6772	540 m
Divégni (see Divenié)	Congo	12.0856;-2.6772	540 m
Divenié, near Mont Vouary ?	Congo	12.0856;-2.6772	540 m
(see also: Divanié, Divégni, Divina)			
Divina (see Divenié)	Congo	12.0856;-2.6772	540 m

SE 02013Da:

Grotte de Lebayi (see Lebayi cave)	Congo	13.5995;-2.7008	
Lebayi cave	Congo	13.5995;-2.7008	
(see also: Grotte de Lebayi)			

SE 02013Dc:

Lekoumou airport	Congo	13.5599;-2.7794	
Lekoumou airport road	Congo	13.5826;-2.7621	
Lekoumou forest trails	Congo	13.6061;-2.7628	
Lekoumou waterfall forest	Congo	13.6057;-2.7591	

SE 02014Db:

Dambala (see Djambala)	Congo	14.7533;-2.5781	622 m
Djambala	Congo	14.7533;-2.5781	622 m
(see also: Dambala, Djamballa)			
Djamballa (see Djambala)	Congo	14.7533;-2.5781	622 m

SE 02016Aa:

Bolobo	Congo (Democratic Republic of the)	16.2333;-2.1500	

SE 02016Ab:

Bokalakala	Congo (Democratic Republic of the)	16.3667;-2.1333	252 m
Kunungu	Congo (Democratic Republic of the)	16.4333;-2.1000	
Mistandunga	Congo (Democratic Republic of the)	16.3667;-2.0833	228 m
Mongende	Congo (Democratic Republic of the)	16.3333;-2.1000	
Ndua (see Ndwa)	Congo (Democratic Republic of the)	16.4167;-2.1500	
Ndwa	Congo (Democratic Republic of the)	16.4167;-2.1500	
(see also: Ndua)			

SE 02016Ba:

Keseki	Congo (Democratic Republic of the)	16.5333;-2.1167	308 m
(see also: Kesiki)			
Kesiki (see Keseki)	Congo (Democratic Republic of the)	16.5333;-2.1167	308 m

SE 02017Ba:

Mpe	Congo (Democratic Republic of the)	17.6333;-2.2000	399 m

SE 02018Ab:

Lac Léopold II (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)	18.3392;-2.0847	
Lake Leopold II (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)	18.3392;-2.0847	
Lake Mai-Ndombe (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)	18.3392;-2.0847	
Leopold 2nd, lake (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)	18.3392;-2.0847	
Leopold II meer (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)	18.3392;-2.0847	
Leopold II, lake (see Mai-Ndombe, lake)	Congo (Democratic Republic of the)	18.3392;-2.0847	
Mai-Ndombe, lake (see also: Lac Léopold II, Lake Leopold II, Lake Mai-Ndombe, Leopold 2nd, lake, Leopold II meer, Leopold II, lake)	Congo (Democratic Republic of the)	18.3392;-2.0847	

SE 02018Cd:

Bokoro, Lukenie	Congo (Democratic Republic of the)	18.3833;-2.8333	252 m

SE 02021Ab:

Umangi [mission]	Congo (Democratic Republic of the)	21.4000;-2.1167	

SE 02023Dd:

Djeka	Congo (Democratic Republic of the)	23.9167;-2.7833	

SE 02025Db:

Elila	Congo (Democratic Republic of the)	25.8833;-2.7167	486 m

SE 02025Dd:

Kindu (see also: Kindu-Port-Empain, Port de Kindu, Port-Empain)	Congo (Democratic Republic of the)	25.9500;-2.9500	504 m
Kindu-Port-Empain (see Kindu)	Congo (Democratic Republic of the)	25.9500;-2.9500	504 m
Port de Kindu (see Kindu)	Congo (Democratic Republic of the)	25.9500;-2.9500	504 m
Port-Empain (see Kindu)	Congo (Democratic Republic of the)	25.9500;-2.9500	504 m

SE 02026Ca:

Kailo, road to Kalima	Congo (Democratic Republic of the)	26.1000;-2.6333	602 m

SE 02027Bb:

Kampala	Congo (Democratic Republic of the)	27.7500;-2.2000	1068 m

SE 02027Ad:

Katshungu	Congo (Democratic Republic of the)	27.3833;-2.4500	1013 m

SE 02027Ca:

Musenge	Congo (Democratic Republic of the)	27.0333;-2.7000	

SE 02027Cb:

Bulundu	Congo (Democratic Republic of the)	ca.	27.3333;-2.7000	
Shabunda	Congo (Democratic Republic of the)		27.3333;-2.7000	596 m
Shabunda territory	Congo (Democratic Republic of the)		27.3333;-2.7000	

SE 02027Dd:

Mulungu Kivu	Congo (Democratic Republic of the)		27.9333;-2.9000	1159 m

SE 02028Ba:

Bitale	Congo (Democratic Republic of the)		28.6333;-2.2167	
Mount Kahuzi, W slope	Congo (Democratic Republic of the)		28.6733;-2.2019	2560 m
Mugeri mission (see also: Petit seminaire de Mugeri)	Congo (Democratic Republic of the)		28.7000;-2.2000	1493 m
Petit seminaire de Mugeri (see Mugeri mission)	Congo (Democratic Republic of the)		28.7000;-2.2000	1493 m

SE 02028Bb:

Bushushu	Congo (Democratic Republic of the)		28.9000;-2.0167	1455 m
Fomulac-Katana	Congo (Democratic Republic of the)		28.8333;-2.2167	
Grotte de Katana (see Mahyusha cave)	Congo (Democratic Republic of the)		28.8333;-2.2167	1480 m
Grotte de Mahysha (see Mahyusha cave)	Congo (Democratic Republic of the)		28.8333;-2.2167	1480 m
Grotte de Mahyusha (see Mahyusha cave)	Congo (Democratic Republic of the)		28.8333;-2.2167	1480 m
Irsac labo (see Luiro)	Congo (Democratic Republic of the)		28.7972;-2.2400	5400 ft
Kabira	Congo (Democratic Republic of the)		28.9167;-2.0500	1519 m
Kadjidji (see Kajuju)	Congo (Democratic Republic of the)		28.9000;-2.1500	1455 m
Kadjudju (see Kajuju)	Congo (Democratic Republic of the)		28.9000;-2.1500	1455 m
Kahuzi-Biega National Park	Congo (Democratic Republic of the)		28.7500;-2.0000	
Kajuchu (see Kajuju)	Congo (Democratic Republic of the)		28.9000;-2.1500	1455 m
Kajuju (see also: Kadjidji, Kadjudju, Kajuchu)	Congo (Democratic Republic of the)		28.9000;-2.1500	1455 m
Kalehe territory	Congo (Democratic Republic of the)	ca.	28.9167;-2.1000	
Katana, W shore Lake Kivu (see also: Liège Saint Lambert)	Congo (Democratic Republic of the)		28.8314;-2.2250	1595 m
Katana cave (see Mahyusha cave)	Congo (Democratic Republic of the)		28.8333;-2.2167	1480 m
Katana grot (see Mahyusha cave)	Congo (Democratic Republic of the)		28.8333;-2.2167	1480 m
Kivu meer (see Lake Kivu)	Congo (Democratic Republic of the)	ca.	28.9167;-2.0000	
Kivu mountains	Congo (Democratic Republic of the)	ca.	28.7500;-2.0000	
Kivu, lac (see Lake Kivu)	Congo (Democratic Republic of the)	ca.	28.9167;-2.0000	
Kivu, lake (see Lake Kivu)	Congo (Democratic Republic of the)	ca.	28.9167;-2.0000	
Kivu, near	Congo (Democratic Republic of the)	ca.	28.7500;-2.0000	
Labo Irsac (see Luiro)	Congo (Democratic Republic of the)		28.7972;-2.2400	5400 ft
Lac Kivu (see Lake Kivu)	Congo (Democratic Republic of the)	ca.	28.9167;-2.0000	

Lake Kivu (see also: Kivu meer, Kivu, lac, Kivu, lake, Lac Kivu)	Congo (Democratic Republic of the)	ca.	28.9167;-2.0000	
Lemera	Congo (Democratic Republic of the)		28.8281;-2.1356	2281 m
Lemera, SW of	Congo (Democratic Republic of the)	ca.	28.8333;-2.1667	8800 ft
Liège Saint Lambert (see Katana)	Congo (Democratic Republic of the)		28.8314;-2.2250	1595 m
Luiro (see also: Irsac labo, Labo Irsac, Lwiro, Lwiro Katana, Mwiru)	Congo (Democratic Republic of the)		28.7972;-2.2400	5400 ft
Lurhogole Swamp area	Congo (Democratic Republic of the)	ca.	28.7500;-2.0000	
Lushala	Congo (Democratic Republic of the)		28.8167;-2.2167	
Lwiro (see Luiro)	Congo (Democratic Republic of the)		28.7972;-2.2400	5400 ft
Lwiro Katana (see Luiro)	Congo (Democratic Republic of the)		28.7972;-2.2400	5400 ft
Mahysha cave (see Mahyusha cave)	Congo (Democratic Republic of the)		28.8333;-2.2167	1480 m
Mahysha grot (see Mahyusha cave)	Congo (Democratic Republic of the)		28.8333;-2.2167	1480 m
Mahyusa Cave (see Mahyusha cave)	Congo (Democratic Republic of the)		28.8333;-2.2167	1480 m
Mahyusha cave (see also: Grotte de Katana, Grotte de Mahysha, Grotte de Mahyusha, Katana cave, Katana grot, Mahysha cave, Mahysha grot, Mahyusa Cave, Mahyusha grot)	Congo (Democratic Republic of the)		28.8333;-2.2167	1480 m
Mahyusha grot (see Mahyusha cave)	Congo (Democratic Republic of the)		28.8333;-2.2167	1480 m
Musisi swamp area	Congo (Democratic Republic of the)	ca.	28.7500;-2.0000	
Mwanda	Congo (Democratic Republic of the)		28.8500;-2.2167	
Mwiru (see Luiro)	Congo (Democratic Republic of the)		28.7972;-2.2400	5400 ft
Niambasha	Congo (Democratic Republic of the)		28.9000;-2.1167	
Rambira	Congo (Democratic Republic of the)		28.9000;-2.0500	
Tshibati	Congo (Democratic Republic of the)		28.7833;-2.2333	

SE 02028Ac:

Topetope	Congo (Democratic Republic of the)		28.0500;-2.2667	1390 m

SE 02028Ad:

Kisanga	Congo (Democratic Republic of the)		28.3000;-2.4167	

SE 02028Bc:

Grotte de Mugaba (see Mugaba cave)	Congo (Democratic Republic of the)	ca.	28.5178;-2.3231	
Kakondo, near SW shore of Lake Kivu	Congo (Democratic Republic of the)		28.7000;-2.2500	3051 m
Mugaba cave (see also: Grotte de Mugaba)	Congo (Democratic Republic of the)	ca.	28.5178;-2.3231	
Mule	Congo (Democratic Republic of the)		28.5528;-2.4056	1936 m

SE 02028Bd:

Bushanganya	Congo (Democratic Republic of the)		28.7833;-2.3167	
Cyangugu (see Shangugu)	Rwanda		28.8967;-2.4833	1537 m
Grotte de Kakindo (see Kakondo cave), near SW shore of Lake Kivu	Congo (Democratic Republic of the)		28.8500;-2.2667	

Grotte de Kakondo (see Kakondo cave), near SW shore of Lake Kivu	Congo (Democratic Republic of the)	28.8500;-2.2667	
Kabale	Congo (Democratic Republic of the)	28.7908;-2.4967	2044 m
Kabare	Congo (Democratic Republic of the)	28.8167;-2.4667	2044 m
Kakindo cave (see Kakondo cave), near SW shore of Lake Kivu	Congo (Democratic Republic of the)	28.8500;-2.2667	
Kakindo grotte (see Kakondo cave), near SW shore of Lake Kivu	Congo (Democratic Republic of the)	28.8500;-2.2667	
Kakondo cave, near SW shore of Lake Kivu (see also: Grotte de Kakindo, Grotte de Kakondo, Kakindo cave, Kakindo grotte, Kakondo grot)	Congo (Democratic Republic of the)	28.8500;-2.2667	
Kakondo grot (see Kakondo cave), near SW shore of Lake Kivu	Congo (Democratic Republic of the)	28.8500;-2.2667	
Mabali	Congo (Democratic Republic of the)	28.8333;-2.3333	
Mulungu (see also: Mulungu Miti)	Congo (Democratic Republic of the)	28.8000;-2.3167	1159 m
Mulungu Miti (see Mulungu)	Congo (Democratic Republic of the)	28.8000;-2.3167	1159 m
Mulungu-Tshibinda (see Tshibinda)	Congo (Democratic Republic of the)	28.7639;-2.3200	1918 m
Nkene	Congo (Democratic Republic of the)	28.7833;-2.2667	
Nyamunyunye	Congo (Democratic Republic of the)	28.8167;-2.3500	
Shangugu (see also: Cyangugu)	Rwanda	28.8967;-2.4833	1537 m
Tshibinda (see also: Mulungu-Tshibinda)	Congo (Democratic Republic of the)	28.7639;-2.3200	1918 m

SE 02028Ca:

Kingulube	Congo (Democratic Republic of the)	28.0214;-2.6492	1238 m

SE 02028Cb:

Matale	Congo (Democratic Republic of the)	28.3653;-2.6547	1217 m

SE 02028Db:

Bukavu (see also: Costermansstad, Costermansville)	Congo (Democratic Republic of the)	28.8608;-2.5083	1498 m
Costermansstad (see Bukavu)	Congo (Democratic Republic of the)	28.8608;-2.5083	1498 m
Costermansville (see Bukavu)	Congo (Democratic Republic of the)	28.8608;-2.5083	1498 m

SE 02028Cc:

Kilemue	Congo (Democratic Republic of the)	28.1167;-2.8833	

SE 02028Cd:

Kiligi	Congo (Democratic Republic of the)	28.3000;-2.8833	

SE 02028Dc:

Karambi	Congo (Democratic Republic of the)	28.6400;-2.7506	
Kitwabaluzi	Congo (Democratic Republic of the)	28.5833;-2.8833	1543 m

SE 02028Dd:

Bushokwe caves, Langara (see also: Bushokwe grottes, Grottes de Bushokwe, Grottoes de Bushokwe)	Congo (Democratic Republic of the)	ca. 28.9246;-2.9907	

Bushokwe grottes (see Bushokwe caves), Langara	Congo (Democratic Republic of the)	ca.	28.9246;-2.9907	
Grottes de Bushokwe (see Bushokwe caves), Langara	Congo (Democratic Republic of the)	ca.	28.9246;-2.9907	
Grottoes de Bushokwe (see Bushokwe caves), Langara	Congo (Democratic Republic of the)	ca.	28.9246;-2.9907	

SE 02029Aa:

Bugarula, 6 km N (see Washiha Forest)	Congo (Democratic Republic of the)	ca.	29.0667;-2.0000	1500 m
Idjwi, island (see also: Île Idjwi)	Congo (Democratic Republic of the)		29.0667;-2.1500	1600 m
Île Idjwi (see Idjwi, island)	Congo (Democratic Republic of the)		29.0667;-2.1500	1600 m
Lake Kivu, near	Congo (Democratic Republic of the)	ca.	29.1667;-2.0000	
Washiha Forest, 6 km N Bugarula (see also: Bugarula, 6 km N)	Congo (Democratic Republic of the)	ca.	29.0667;-2.0000	1500 m

SE 02029Ab:

Kibuye	Rwanda	29.3497;-2.0556	1457 m
Lubengera (mission) (see Rubengera (mission))	Rwanda	29.4261;-2.0494	
Mabanza	Rwanda	29.4167;-2.0542	1612 m
Rubengera (mission) (see also: Lubengera (mission))	Rwanda	29.4261;-2.0494	

SE 02029Bb:

Ratabo Kinazi Gitorams	Rwanda	29.9667;-2.2167	

SE 02029Ac:

Colline Gitovu (see Gitovu)	Rwanda	29.1500;-2.3167	1649 m
Colline Shangi (see Shangi)	Rwanda	29.0058;-2.4036	
Gafunzo	Rwanda	29.0444;-2.3928	1457 m
Gafunzo Kigaga	Rwanda	29.0444;-2.3928	1457 m
Gitovu (see also: Colline Gitovu)	Rwanda	29.1500;-2.3167	1649 m
Ishangi (see Shangi)	Rwanda	29.0058;-2.4036	
Nyamasheke	Rwanda	29.0856;-2.3397	1581 m
Routabansougera	Rwanda	29.1667;-2.4167	1750 m
Shangi (see also: Colline Shangi, Ishangi, Shangi Schad)	Rwanda	29.0058;-2.4036	
Shangi Schad (see Shangi)	Rwanda	29.0058;-2.4036	
Uwinka	Rwanda	29.2000;-2.4667	2512 m

SE 02029Ad:

Gisovu	Rwanda	29.3369;-2.2547	2335 m

SE 02029Bc:

Nyanza	Rwanda	29.6000;-2.4500	

SE 02029Bd:

Colline Rubona (see Rubona)	Rwanda	29.9333;-2.3167	1346 m
Gafumba	Rwanda	29.8292;-2.4622	
Gafumba Mugusa	Rwanda	29.8292;-2.4622	
Gakoma (mission)	Rwanda	29.9211;-2.4797	
Kinazi	Burundi	29.9667;-2.3833	
Mount Mugusa (see Mugusa, mount)	Rwanda	29.8564;-2.4811	1575 m
Mugusa, mount (see also: Mount Mugusa)	Rwanda	29.8564;-2.4811	1575 m
Rubona (see also: Colline Rubona)	Rwanda	29.9333;-2.3167	1346 m

SE 02029Ca:

Buhoro, 10 km W Mabaye (see also: Mabaye, 10 km W)	Burundi	29.1856;-2.6986	1453 m

Mabaye (see Mabayi)	Burundi	29.2431;-2.7083	1436 m
Mabaye, 10 km W (see Buhoro)	Burundi	29.1856;-2.6986	1453 m
Mabayi (see also: Mabaye)	Burundi	29.2431;-2.7083	1436 m
Ntango	Rwanda	29.2167;-2.6000	

SE 02029Cb:

Forêt Naturelle de Nyungwe (see Nyungwe Forest Reserve)	Rwanda	29.3042;-2.5203	2500 m
Kitabi	Rwanda	29.4214;-2.5250	
Nyungwe Forest Reserve (see also: Forêt Naturelle de Nyungwe)	Rwanda	29.3042;-2.5203	2500 m

SE 02029Da:

Astrida (see Butare)	Rwanda	29.7389;-2.5972	1733 m
Butare (see also: Astrida, Butare INRS)	Rwanda	29.7389;-2.5972	1733 m
Butare INRS (see Butare)	Rwanda	29.7389;-2.5972	1733 m
Colline Nyakibanda (see Nyakibanda)	Rwanda	29.6833;-2.6333	2067 m
Kimuna	Rwanda	29.7289;-2.5472	1788 m
Nyakibanda (see also: Colline Nyakibanda)	Rwanda	29.6833;-2.6333	2067 m
Nyarutovu	Rwanda	29.6000;-2.6167	2000 m
Nyumba cave	Rwanda	29.7000;-2.6500	
Ruboma Ruhashya	Rwanda	29.7333;-2.5000	
Simbi cave	Rwanda	29.6675;-2.5108	

SE 02029Db:

Colline Mugogwe (see Mugogwe)	Rwanda	29.8103;-2.5089	
Colline Musha (see Musha)	Rwanda	29.8650;-2.5278	
Colline Shyanda (see Shyanda)	Rwanda	29.7928;-2.5419	1646 m
Cyili (see also: Cyili Ntyano)	Rwanda	29.7667;-2.5000	
Cyili Ntyano (see Cyili)	Rwanda	29.7667;-2.5000	
Mugogwe (see also: Colline Mugogwe)	Rwanda	29.8103;-2.5089	
Musha (see also: Colline Musha)	Rwanda	29.8650;-2.5278	
Shyanda (see also: Colline Shyanda)	Rwanda	29.7928;-2.5419	1646 m

SE 02029Cc:

Cibitoke	Burundi	29.1247;-2.8869	1020 m
Luberezi (see Luberizi)	Congo (Democratic Republic of the)	29.1000;-2.9833	957 m
Luberizi (see also: Luberezi)	Congo (Democratic Republic of the)	29.1000;-2.9833	957 m
Luvungi	Congo (Democratic Republic of the)	29.0333;-2.8667	887 m

SE 02029Cd:

Bukinanyana Commune	Burundi	29.3361;-2.8806	1543 m
Colline Giserama (see Giserama, colline), Kibira National Park, Ndora Zone	Burundi	29.4186;-2.8408	2045 m
Colline Kwogofe (see Kwogofe, colline), Kibira National Park, Ndora Zone	Burundi	29.4166;-2.8333	
Giserama, colline, Kibira National Park, Ndora Zone (see also: Colline Giserama, Kirumura, 1.1 - 2.1 km N, 0.8 - 1.1 km E)	Burundi	29.4186;-2.8408	2045 m
Kirumura, 1.1 - 2.1 km N, 0.8 - 1.1 km E (see Giserama, colline), Kibira National Park, Ndora Zone	Burundi	29.4186;-2.8408	2045 m
Kwogofe, colline, Kibira National Park, Ndora Zone (see also: Colline Kwogofe)	Burundi	29.4166;-2.8333	

SE 02029Dc:

Busiga	Burundi	29.7342;-2.8764	1829 m
Kayanza	Burundi	29.6222;-2.9222	1957 m
Kayanza, 15 km W (see Rwegura)	Burundi	29.5194;-2.9181	2311 m

Rwegura (see also: Kayanza, 15 km W)	Burundi	29.5194;-2.9167	2311 m

SE 02030Aa:

Bugesera (see also: Kanazi)	Rwanda	30.0914;-2.1456	1432 m
Colline Nyamata (see Nyamata)	Rwanda	30.1003;-2.1625	
Kanazi (see Bugesera)	Rwanda	30.0914;-2.1456	1432 m
Nyamata (see also: Colline Nyamata)	Rwanda	30.1003;-2.1625	

SE 02030Ba:

Kibungo (former) prefecture (see Eastern prefecture)	Rwanda	ca. 30.5833;-2.0000	
Rukira	Rwanda	30.6114;-2.1533	1709 m

SE 02030Ac:

Cyohaha, lake (see also: Tshyohaha, lake)	Rwanda	30.0000;-2.2500	
Tshyohaha, lake (see Cyohaha, lake)	Rwanda	30.0000;-2.2500	

SE 02030Ad:

Karama	Rwanda	30.2667;-2.2667	

SE 02030Ca:

Cohoha, lake (see also: Lac Cohoha, Lake Cohoha)	Burundi	30.1167;-2.5000	
Kanyinya	Burundi	30.0819;-2.5903	1508 m
Lac Cohoha (see Cohoha, lake)	Burundi	30.1167;-2.5000	
Lake Cohoha (see Cohoha, lake)	Burundi	30.1167;-2.5000	
Vumbi (see Vumbi-Bukuba)	Burundi	30.1036;-2.6989	1788 m
Vumbi-Bukuba (see also: Vumbi)	Burundi	30.1036;-2.6989	1788 m

SE 02030Cb:

Rugari mission	Burundi	30.4000;-2.7292	1651 m

SE 02031Bd:

Rubondo [island] (see also: Ruwondo [island])	Tanzania	31.8333;-2.3333	350 m
Ruwondo [island] (see Rubondo [island])	Tanzania	31.8333;-2.3333	350 m

SE 02031Cb:

Biaramulo (see Biharamulo)	Tanzania	31.3089;-2.6319	1495 m
Biharamulo (see also: Biaramulo, Ussuwi, Usuwi)	Tanzania	31.3089;-2.6319	1495 m
Biharamulo district	Tanzania	31.3333;-2.5000	
Ussuwi (see Biharamulo)	Tanzania	31.3089;-2.6319	1495 m
Usuwi (see Biharamulo)	Tanzania	31.3089;-2.6319	1495 m

SE 02031Da:

Namirembe (see Nyamirembe)	Tanzania	31.7000;-2.5333	1149 m
Nyambiremba (see Nyamirembe)	Tanzania	31.7000;-2.5333	1149 m
Nyamirembe (see also: Namirembe, Nyambiremba, Nyamirembe Port)	Tanzania	31.7000;-2.5333	1149 m
Nyamirembe Port (see Nyamirembe)	Tanzania	31.7000;-2.5333	1149 m

SE 02032Bd:

Bwiru (see also: Wiru)	Tanzania	32.8869;-2.4711	
Wiru (see Bwiru)	Tanzania	32.8869;-2.4711	

SE 02032Ca:

Nyamboge	Tanzania		32.0667;-2.5500	1135 m

SE 02032Da:

Katungulu (see Katunguru)	Tanzania		32.6667;-2.5167	1219 m
Katunguru	Tanzania		32.6667;-2.5167	1219 m
(see also: Katungulu)				
Senegerma	Tanzania		32.6500;-2.6667	1276 m

SE 02032Db:

Capri Point	Tanzania		32.8894;-2.5269	
Isamico	Tanzania		32.9000;-2.5000	1135 m
Isamilo (International School)	Tanzania		32.9064;-2.5083	
Kamanga	Tanzania	ca.	32.8389;-2.5339	
Muansa (see Mwanza)	Tanzania		32.9000;-2.5167	1209 m
Muanza (see Mwanza)	Tanzania		32.9000;-2.5167	1209 m
Mwamza (see Mwanza)	Tanzania		32.9000;-2.5167	1209 m
Mwansa (see Mwanza)	Tanzania		32.9000;-2.5167	1209 m
Mwanza	Tanzania		32.9000;-2.5167	1209 m
(see also: Muansa, Muanza, Mwamza, Mwansa)				
Nyegezi	Tanzania		32.8903;-2.5242	

SE 02032Cc:

Ashanti-Geita	Tanzania	ca.	32.0833;-2.9167	
Nkome	Tanzania		32.2000;-2.8667	1135 m

SE 02032Cd:

Geita district	Tanzania		32.2500;-2.9167	

SE 02033Aa:

Ukerewe island, Lake Victoria	Tanzania		33.0000;-2.0500	

SE 02033Ab:

Kibara	Tanzania		33.4500;-2.1500	1137 m
(see also: Kibarra)				
Kibarra (see Kibara)	Tanzania		33.4500;-2.1500	1137 m

SE 02033Bb:

Grummetti (see Gurumeti), Serengeti	Tanzania		33.9500;-2.0833	
Gurumeti, Serengeti	Tanzania		33.9500;-2.0833	
(see also: Grummetti)				

SE 02033Ca:

Mwanza district	Tanzania		33.0000;-2.5000	
Sagaya	Tanzania		33.0000;-2.5000	

SE 02033Cb:

Simiyu river, Serengeti plains	Tanzania		33.4167;-2.5500	

SE 02034Ac:

Handajega, Serengeti	Tanzania		34.1000;-2.2500	1200 m
(see also: Handajegu)				
Handajegu (see Handajega), Serengeti	Tanzania		34.1000;-2.2500	1200 m

SE 02034Ad:

Musabi (Special Camp), Serengeti	Tanzania	ca.	34.4667;-2.2883	

SE 02034Bd:

Banagi, Serengeti	Tanzania		34.8500;-2.2667	1413 m
Banagi, 4 mi [=6.4 km] NNW (see Rohero Mine)	Tanzania	ca.	34.8500;-2.2667	
Milimafedha mine	Tanzania		34.8333;-2.3333	
Rohero Mine, 4 mi [=6.4 km] NNW Banagi (see also: Banagi, 4 mi [=6.4 km] NNW)	Tanzania	ca.	34.8500;-2.2667	
Rohogo mine	Tanzania		34.8333;-2.3333	
Serengeti National Park (see also: Serengeti Research Institute)	Tanzania		34.8333;-2.3333	
Serengeti Research Institute (see Serengeti National Park)	Tanzania		34.8333;-2.3333	
Seronera, Serengeti	Tanzania		34.8333;-2.4167	1463 m

SE 02035Dd:

Engaruka, near Ngorongoro Conservation area (see also: Engruka, Ngaruka)	Tanzania		35.9500;-2.9833	982 m
Engruka (see Engaruka)	Tanzania		35.9500;-2.9833	982 m
Ngaruka (see Engaruka)	Tanzania		35.9500;-2.9833	982 m

SE 02036Ac:

Lake Natron (see Natron, lake)	Tanzania		36.0000;-2.4167	
Lake Natron, W side (see Natron, W side lake)	Tanzania		36.0000;-2.4167	
Magan (see Natron, lake)	Tanzania		36.0000;-2.4167	
Natron See (see Natron, lake) (see also: Ksar el Abadla)	Tanzania		36.0000;-2.4167	
Natron, lake (see also: Lake Natron, Magan, Natron See)	Tanzania		36.0000;-2.4167	
Natron, W side lake (see also: Lake Natron, W side)	Tanzania		36.0000;-2.4167	

SE 02036Db:

Namanga	Kenya	ca.	36.8000;-2.5500	1359 m
Namanga, near, near Lake Amboseli	Kenya	ca.	36.8000;-2.5500	

SE 02037Ab:

Ndauni area, Machakos district?	Kenya	ca.	37.4333;-2.0167	
Sultan Hamud	Kenya		37.3667;-2.0167	1371 m

SE 02037Ba:

Aiuumandu Hill	Kenya	ca.	37.6667;-2.0000	
Bikobo, lava cave (see Kiboko)	Kenya		37.7167;-2.1833	
Eldoinyo Lengamlo, 96 mi from Nairobi (see also: Granite Hills, Mombaso Road, Simba)	Kenya		37.5500;-2.1667	
Granite Hills, Mombaso Road (see Eldoinyo Lengamlo), 96 mi from Nairobi	Kenya		37.5500;-2.1667	
Hunter's Lodge (see also: Nairobi - Mombasa road, 150 km along)	Kenya		37.7153;-2.2114	1067 m
Hunter's Lodge, near, 150 km along Nairobi - Mombasa road	Kenya	ca.	37.7167;-2.1833	
Kiboko (see also: Bikobo, lava cave, Kiboko cave, Kiboko station)	Kenya		37.7167;-2.1833	
Kiboko cave (see Kiboko)	Kenya		37.7167;-2.1833	930 m
Kiboko station (see Kiboko)	Kenya		37.7167;-2.1833	930 m
Kiboko, 1 mi [=1.6 km] E	Kenya	ca.	37.7167;-2.1833	
Kiboko, 1 mi [=1.6 km] W	Kenya	ca.	37.7167;-2.1833	914 m
Kiboko, 10 mi [=16 km] N	Kenya		37.7000;-2.0333	3000 ft
Kiboko, 10 mi [=16 km] S	Kenya	ca.	37.7167;-2.1833	914 m
Kiboko, 10 mi [=16 km] W	Kenya	ca.	37.5833;-2.1500	
Kiboko, 2 mi [=3.2 km] NW	Kenya	ca.	37.7167;-2.1833	
Kiboko, 20 km NW	Kenya	ca.	37.7167;-2.1833	
Kiboko, 3 mi [=4.8 km] E, Granite Outcrop	Kenya	ca.	37.7167;-2.1833	914 m
Kiboko, 3 mi [=4.8 km] W	Kenya	ca.	37.7167;-2.1833	914 m
Kiboko, 4 mi [=6.4 km] W	Kenya	ca.	37.7167;-2.1833	
Kiboko, 5 km W, near Nairobi	Kenya	ca.	37.7167;-2.1833	
Kiboko, ca 10 mi [=16 km] N	Kenya	ca.	37.7167;-2.1833	914 m

Machakos district	Kenya		37.6667;-2.0000	
Makindu, 16 km NW	Kenya		37.7333;-2.2000	
Nairobi - Mombasa road, 150 km along (see Hunter's Lodge)	Kenya	ca.	37.7167;-2.1833	
Nairobi, 96 mi [=154 km] from	Kenya		37.5500;-2.1667	
Nairobo, 155 km SE (see Simba)	Kenya		37.6000;-2.1667	
Simba (see Eldoinyo Lengamlo), Kiboboko River, on Mombasa Road, 155 km from Nairobi (see also: Nairobo, 155 km SE)	Kenya		37.5500;-2.1667	

SE 02037Bb:

Makindu river, 177 km E Nairobi (see also: Nairobi, 177 km E)	Kenya		37.9069;-2.1569	975 m
Makindu, 13 km NW	Kenya		37.7667;-2.2333	
Nairobi, 177 km E (see Makindu river)	Kenya		37.9069;-2.1569	

SE 02037Ac:

Makindu, 35 km E	Kenya	ca.	37.0000;-2.3000	975 m

SE 02037Bc:

Ihundu cave (see Ithundu caves)	Kenya		37.7033;-2.3331	
Ithundu caves, near Kiboko and Makindu (see also: Ihundu cave, Ithundu lava cave)	Kenya		37.7032;-2.3329	
Ithundu lava cave (see Ithundu caves)	Kenya		37.7032;-2.3329	
Kiboko, 10 mi [=19 km] S	Kenya		37.6670;-2.2830	
Makindu, 19 km NW	Kenya		37.6667;-2.3000	
Makindu, 19 km W	Kenya		37.6770;-2.3000	1000 m

SE 02037Bd:

Kiboko, 10 mi [=19 km] E	Kenya	ca.	37.8167;-2.2667	
Kibwesi (see Kibwezi)	Kenya		37.9667;-2.4167	
Kibwezi (see also: Kibwesi, Libwezi)	Kenya		37.9667;-2.4167	
Kibwezi, near	Kenya	ca.	37.9667;-2.4167	ca. 3500 ft
Kilongo Hills	Kenya		37.9167;-2.2833	
Libwezi (see Kibwezi)	Kenya		37.9667;-2.4167	
Makendo (see Makindu)	Kenya		37.8167;-2.2833	1070 m
Makindu (see also: Makendo)	Kenya		37.8167;-2.2833	1070 m
Makindu cave	Kenya		37.8167;-2.2833	1070 m
Makindu, near, 192 km E Nairobi (see also: Nairobi, 192 km E)	Kenya		37.8333;-2.3000	1200 m
Makindu, Upper cave	Kenya		37.8167;-2.2833	1585 m
Nairobi, 192 km E (see Makindu, near)	Kenya		37.8333;-2.3000	

SE 02037Ca:

Amboseli Game Reserve (see also: Amboseli National Reserve , Masai Amboseli Game Reserve)	Kenya	ca.	37.0000;-2.5000	
Amboseli National Reserve (see Amboseli Game Reserve)	Kenya	ca.	37.0000;-2.5000	
Guas Ngishu (see Ongata Onkishu)	Kenya		37.0833;-2.5833	
Masai Amboseli Game Reserve (see Amboseli Game Reserve)	Kenya	ca.	37.0000;-2.5000	
Ngato Ngishu (see Ongata Onkishu)	Kenya		37.0833;-2.5833	
Ongata Onkishu (see also: Guas Ngishu, Ngato Ngishu)	Kenya		37.0833;-2.5833	

SE 02037Cb:

Amboseli	Kenya		37.2833;-2.6667	1152 m
Ol Tukai lodge (see Oltukai lodge)	Kenya		37.2833;-2.6669	
Oltukai lodge (see also: Ol Tukai lodge)	Kenya		37.2833;-2.6669	

SE 02037Db:

Chyulu Hills National Park	Kenya		37.8331;-2.5831	1930 m
Kimakia cave	Kenya		37.7500;-2.5000	

Simba river, on Mombasa Road, 96 mi [=155 km] from Nairobi	Kenya		37.8833;-2.5000	1200 m

SE 02037Dc:

Oloitokitok, near Government Rest House	Kenya		37.5050;-2.9304	

SE 02037Dd:

Tsavo National Park West (see also: Tsavo West National Park)	Kenya		37.9167;-2.9167	
Tsavo West National Park (see Tsavo National Park West)	Kenya		37.9167;-2.9167	

SE 02038Aa:

Kibwezi, 30 mi [=48 km] NNE	Kenya	ca.	38.1867;-2.0406	3500 ft

SE 02038Ac:

Bushwacker's Safari Camp, 10.5 km N, 17 km E Kibwezi (see also: Kibwezi, 10.5 km N, 17 km E)	Kenya	ca.	38.1167;-2.3167	
Kibwezi, 10.5 km N, 17 km E (see Bushwacker's Safari Camp)	Kenya	ca.	38.1167;-2.3167	
Kibwezi, 6.5 mi [=10.5 km] N, 10.5 mi [=17 km] E	Kenya	ca.	38.1000;-2.3167	
Yatter	Kenya		38.2167;-2.3000	

SE 02038Ca:

Kambu	Kenya		38.0833;-2.5833	826 m
Kathekani	Kenya		38.1500;-2.6167	777 m
Mtito Andei (see also: Mutitu Andei)	Kenya		38.1667;-2.6833	769 m
Mtito Andei, 4 mi [=6.4 km] N	Kenya		38.1330;-2.6830	732 m
Mtito Andei, near	Kenya	ca.	38.1667;-2.6833	2500 ft
Mutitu Andei (see Mtito Andei)	Kenya		38.1667;-2.6833	769 m

SE 02038Cc:

Kilaguni Lodge (see also: Kiliguni Lodge)	Kenya		38.0497;-2.9055	
Kilaguni Lodge (see also: Shetani cave)	Kenya		38.0594;-2.9058	
Kilanguni	Kenya		38.0500;-2.9000	
Kiliguni Lodge (see Kilaguni Lodge)	Kenya		38.0497;-2.9055	
Mzima Springs	Kenya		38.0239;-2.9881	
Shetani cave (see Kilaguni Lodge), NW of Kilaguni lodge	Kenya	ca.	38.0550;-2.8994	

SE 02038Cd:

Ami river	Kenya		38.4667;-2.9833	1067 m
Rhino Corner	Kenya		38.4333;-2.7833	

SE 02039Dc:

Ushindo (see Ushingo)	Kenya		39.6667;-2.7667	113 m
Ushingo (see also: Ushindo)	Kenya		39.6667;-2.7667	113 m

SE 02040Aa:

Bilisa, lake, near Garsen (see also: Lake Bilisa)	Kenya		40.1328;-2.2336	
Lake Bilisa (see Bilisa, lake), near Garsen	Kenya		40.1328;-2.2336	
Ngatana	Kenya	ca.	40.1900;-2.1800	

SE 02040Ac:

Borobini (see Golbanti)	Kenya		40.2025;-2.4567	11 m
Garsen	Kenya		40.1200;-2.2697	28 m
Garsen, 6 mi [=9.6 km] E	Kenya		40.1200;-2.2697	100 ft
Golbanti (see also: Borobini, Golbanti mission)	Kenya		40.2025;-2.4567	11 m

Golbanti mission (see Golbanti)	Kenya		40.2025;-2.4567	11 m
Kanawa, 105 km N Malindi	Kenya		40.0833;-2.3333	12 m
(see also: Malindi, 105 km N)				
Malindi, 105 km N (see Kanawa)	Kenya		40.0833;-2.3333	12 m

SE 02040Ad:

Kau	Kenya		40.4519;-2.4889	0 m
Witu	Kenya		40.4531;-2.3906	17 m

SE 02040Bc:

Mkonumbi (see Mkunumbi), near Kitu	Kenya		40.7011;-2.3122	15 m
Mkonumbia (see Mkunumbi), near Kitu	Kenya		40.7011;-2.3122	15 m
Mkunumbi, near Kitu	Kenya		40.7011;-2.3122	15 m
(see also: Mkonumbi, Mkonumbia, Nkunumbi)				
Nkunumbi (see Mkunumbi), near Kitu	Kenya		40.7011;-2.3122	15 m
Utwani Forest Reserve (see Witu Forest)	Kenya		40.5242;-2.3595	100 ft
Witu Forest	Kenya		40.5242;-2.3595	100 ft
(see also: Utwani Forest Reserve)				

SE 02040Bd:

Amu (see Lamu)	Kenya		40.9033;-2.2783	1 m
Amu Town, NW of (see Lamu (town), NW of)	Kenya	ca.	40.9033;-2.2783	1 m
Kitau	Kenya		40.9393;-2.3019	
Lamu	Kenya		40.9033;-2.2783	1 m
(see also: Amu)				
Lamu (town), NW of	Kenya	ca.	40.9033;-2.2783	1 m
(see also: Amu Town, NW of)				
Lamu Island	Kenya		40.8581;-2.2803	
Lamu Island, SE coast	Kenya	ca.	40.8581;-2.2803	
Manda island	Kenya		40.9603;-2.2747	
(see also: Nanga island)				
Matadoni (see Matondoni)	Kenya		40.8381;-2.2650	
Matandoni (see Matondoni)	Kenya		40.8381;-2.2650	
Matondoni	Kenya		40.8381;-2.2650	
(see also: Matadoni, Matandoni)				
Nanga island (see Manda island)	Kenya		40.9603;-2.2747	

SE 02040Da:

Kiluluma (see Tana river), Bura	Kenya		40.5239;-2.5303	
Kipini	Kenya		40.5294;-2.5253	0 m
Kipini, 5 mi [=8 km] E (see Shell BM Camp)	Kenya		40.5167;-2.5167	
Ozi river (see Tana river), Bura	Kenya		40.5239;-2.5303	
Shell BM Camp, 5 mi E Kipini	Kenya		40.5167;-2.5167	
(see also: Kipini, 5 mi [=8 km] E)				
Tana river, Bura	Kenya		40.5239;-2.5303	
(see also: Kiluluma, Ozi river)				
Thekla river	Kenya		40.5167;-2.5167	

SE 02040Cc:

Malindi, 30 mi [=48 km] N	Kenya		40.1333;-2.7667	

SE 02041Aa:

Pate, island	Kenya		41.0583;-2.1031	
(see also: Patta, island)				
Patta, island (see Pate, island)	Kenya		41.0583;-2.1031	

SE 03011Dd:

Dinguembo, near Cotovindo	Congo		11.9264;-3.7917	

SE 03012Ad:

Kelé	Congo		12.4708;-3.3467	173 m

SE 03012Bd:

Lekoumou forest corridor	Congo		12.7612;-3.4263	

SE 03012Cb:

Bongolo	Congo	12.2500;-3.5833	252 m
Milamila	Congo	12.4539;-3.7200	

SE 03013Ac:

Komono	Congo	13.2261;-3.2775	460 m

SE 03013Cb:

Sibidi (see Sibiti)	Congo	13.3458;-3.6858	440 m
Sibiti	Congo	13.3458;-3.6858	440 m
(see also: Sibidi)			
Sibiti cave	Congo	13.3458;-3.6858	440 m

SE 03013Dd:

Mouionzi (see Mouyondzi)	Congo	13.9144;-3.9906	383 m
Mouyondzi	Congo	13.9144;-3.9906	383 m
(see also: Mouionzi)			

SE 03014Cd:

Grotte de Kimanika	Congo	14.4167;-3.9833	
(see also: Kimanika cave, Kimanika, grotte de)			
Kimanika cave (see Grotte de Kimanika)	Congo	14.4167;-3.9833	
Kimanika, grotte de (see Grotte de Kimanika)	Congo	14.4167;-3.9833	

SE 03014Dc:

Grotte de Maya (see Meya-Nzouari, cave)	Congo	14.5219;-3.8878	
Grotte de Meya.Nzou.Ki (see Meya-Nzouari, cave)	Congo	14.5219;-3.8878	
Kin Damba (see Meya-Nzouari, cave)	Congo	14.5219;-3.8878	
Maya cave (see Meya-Nzouari, cave)	Congo	14.5219;-3.8878	
Méya (cave)	Congo	14.5219;-3.8878	411 m
Meya.Nzou.Ki cave (see Meya-Nzouari, cave)	Congo	14.5219;-3.8878	
Meya.Nzou.Ki, grotte de (see Meya-Nzouari, cave)	Congo	14.5219;-3.8878	
Meya-Nzouari, cave	Congo	14.5219;-3.8878	
(see also: Grotte de Maya, Grotte de Meya.Nzou.Ki, Kin Damba, Maya cave, Meya.Nzou.Ki cave, Meya.Nzou.Ki, grotte de)			
Mpoka-Méya road	Congo	14.5000;-3.9000	

SE 03014Dd:

Grotte de Matounidi (see Mayama)	Congo	14.8917;-3.8472	
Matounidi cave (see Mayama)	Congo	14.8917;-3.8472	
Mayama	Congo	14.8917;-3.8472	
(see also: Grotte de Matounidi, Matounidi cave)			

SE 03015Cd:

Boulankio	Congo	15.2550;-3.8194	605 m

SE 03015Dd:

Bombo Lumene	Congo (Democratic Republic of the)	15.9833;-3.9667	
Kitimi	Congo (Democratic Republic of the)	15.8833;-3.9667	

SE 03016Aa:

Kwamouth	Congo (Democratic Republic of the)	16.2000;-3.1667	146 m
N'Gabi	Congo	16.1736;-3.2147	151 m

SE 03016Bb:

Mushie	Congo (Democratic Republic of the)	16.9000;-3.0167	180 m

SE 03016Cc:

Kinkole, 25 mi [= 40 km] N of Kinshasa	Congo (Democratic Republic of the)	16.1167;-3.9500	474 m

SE 03017Aa:

Bokala	Congo (Democratic Republic of the)	17.0333;-3.1167	307 m

SE 03017Db:

Beno, near Banningville (Bandungu)	Congo (Democratic Republic of the)	17.8000;-3.6167	281 m

SE 03018Ad:

Makaw	Congo (Democratic Republic of the)	18.3167;-3.4833	315 m

SE 03019Bc:

Oshwe, Lake Leopold II	Congo (Democratic Republic of the)	19.5000;-3.4000	368 m

SE 03023Ad:

Lodja (see also: Loja)	Congo (Democratic Republic of the)	23.4333;-3.4833	450 m
Lodja territory	Congo (Democratic Republic of the)	23.4333;-3.4833	
Loja (see Lodja)	Congo (Democratic Republic of the)	23.4333;-3.4833	450 m
Omaniumdu	Congo (Democratic Republic of the)	23.2667;-3.3500	464 m

SE 03025Bb:

Kindu, 30 km SW (see Scierie Forest)	Congo (Democratic Republic of the)	25.7667;-3.1667	
Sciere Forest	Congo (Democratic Republic of the)	25.8167;-3.1667	
Scierie Forest, 30 km SW Kindu (see also: Kindu, 30 km SW)	Congo (Democratic Republic of the)	25.8167;-3.1667	

SE 03026Bb:

Lulola-Kasanga (see also: Mulolo-Kisanga)	Congo (Democratic Republic of the)	26.9833;-3.1000	
Mulolo	Congo (Democratic Republic of the)	26.9667;-3.1000	
Mulolo-Kisanga (see Lulola-Kasanga)	Congo (Democratic Republic of the)	26.9833;-3.1000	

SE 03027Ac:

Kibanda	Congo (Democratic Republic of the)	27.2000;-3.3333	688 m

SE 03027Cb:

Kamituga and Kampene, road between	Congo (Democratic Republic of the)	ca. 27.2628;-3.6404	

SE 03028Aa:

Kamituga	Congo (Democratic Republic of the)	28.1819;-3.0553	1207 m
Kamusimbi	Congo (Democratic Republic of the)	28.2167;-3.0167	
Kilibozi	Congo (Democratic Republic of the)	28.1500;-3.0500	

Kilobono (see also: Kilobore, Kiloboze)	Congo (Democratic Republic of the)	28.1833;-3.0500	
Kilobore (see Kilobono)	Congo (Democratic Republic of the)	28.1833;-3.0500	
Kiloboze (see Kilobono)	Congo (Democratic Republic of the)	28.1833;-3.0500	

SE 03028Ab:

Kagada	Congo (Democratic Republic of the)	28.3333;-3.1833	
Kakanda	Congo (Democratic Republic of the)	28.3500;-3.1667	1525 m
Mwenga	Congo (Democratic Republic of the)	28.4325;-3.0386	1643 m
Mwenga territory	Congo (Democratic Republic of the)	28.4333;-3.0333	

SE 03028Ba:

Cape Lopez	Congo (Democratic Republic of the)	28.7167;-3.1167	

SE 03028Bb:

Grotte de Lubuka (see Lubuka cave)	Congo (Democratic Republic of the)	28.8500;-3.2000	
Lubuka cave (see also: Grotte de Lubuka, Lubuka grot)	Congo (Democratic Republic of the)	28.8500;-3.2000	
Lubuka grot (see Lubuka cave)	Congo (Democratic Republic of the)	28.8500;-3.2000	
Luiko (see Lwiko)	Congo (Democratic Republic of the)	28.7833;-3.0833	
Lwiko (see also: Luiko)	Congo (Democratic Republic of the)	28.7833;-3.0833	

SE 03028Ac:

Byonga	Congo (Democratic Republic of the)	28.1333;-3.3500	
Isoga	Congo (Democratic Republic of the)	28.2000;-3.3333	1266 m
Kaliza [river] (see Kiliza [river]), near Kamitunga	Congo (Democratic Republic of the)	28.0228;-3.3711	
Kilitza [river] (see Kiliza [river]), near Kamitunga	Congo (Democratic Republic of the)	28.0228;-3.3711	
Kiliza [river], near Kamitunga (see also: Kaliza [river], Kilitza [river])	Congo (Democratic Republic of the)	28.0228;-3.3711	
Kitutu	Congo (Democratic Republic of the)	28.0856;-3.2872	1040 m
Mbelekelo	Congo (Democratic Republic of the)	28.0667;-3.3333	1100 m

SE 03028Bc:

Miki	Congo (Democratic Republic of the)	28.6947;-3.3961	2060 m

SE 03028Ca:

Munga	Congo (Democratic Republic of the)	28.2167;-3.5833	
Mwenge	Congo (Democratic Republic of the)	28.1667;-3.7000	1100 m

SE 03028Cc:

Kitongo	Congo (Democratic Republic of the)	28.1833;-3.7667	1400 m

SE 03029Aa:

Sange	Congo (Democratic Republic of the)	29.2464;-3.0928	

SE 03029Ab:

Gihanga (see also: Kihanga)	Burundi		29.2953;-3.1947	814 m
Imbo	Burundi		29.3333;-3.2167	
Karonge	Burundi		29.3336;-3.0453	1226 m
Kihanga (see Gihanga)	Burundi		29.2953;-3.1947	814 m

SE 03029Ba:

Bukeye commune, Nyamugari hill	Burundi		29.6417;-3.1944	1875 m
Kibira National Park, 2.3 km N, 0.7 km W Teza (see also: Teza, 2.3 km N, 0.7 km W)	Burundi		29.5636;-3.2158	
Teza, 2.3 km N, 0.7 km W (see Kibira National Park)	Burundi		29.5636;-3.2158	

SE 03029Ac:

Cape Cassa Mabongo (see Kasambongo)	Congo (Democratic Republic of the)		29.1333;-3.4000	
Kalimabenge River	Congo (Democratic Republic of the)		29.1450;-3.4106	
Kasambongo (see also: Cape Cassa Mabongo)	Congo (Democratic Republic of the)		29.1333;-3.4000	
Kawezi-Uvira road	Congo (Democratic Republic of the)	ca.	29.1594;-3.3233	
Lac Tanganyika, bord Nord-Ouest (see Lake Tanganyika, NW bank)	Congo (Democratic Republic of the)	ca.	29.2000;-3.3333	
Lake Tanganyika, NW bank (see also: Lac Tanganyika, bord Nord-Ouest, Tanganyika meer, NW oever, Tanganyika, lake, NW bank)	Congo (Democratic Republic of the)	ca.	29.2000;-3.3333	
Rusizi	Burundi		29.2333;-3.2667	
Tanganyika meer, NW oever (see Lake Tanganyika, NW bank)	Congo (Democratic Republic of the)	ca.	29.2000;-3.3333	
Tanganyika, lake, NW bank (see Lake Tanganyika, NW bank)	Congo (Democratic Republic of the)	ca.	29.2000;-3.3333	
Uvinza (see Uvira)	Congo (Democratic Republic of the)		29.1458;-3.4067	746 m
Uvira (see also: Uvinza)	Congo (Democratic Republic of the)		29.1458;-3.4067	746 m
Uvira territory	Congo (Democratic Republic of the)		29.1333;-3.4000	

SE 03029Ad:

Buhonga	Burundi		29.4128;-3.4331	1529 m
Bujumbura (see also: Usumbura)	Burundi		29.3667;-3.3833	794 m
Bujumbura, 7 km NW (see also: Bujumbura, 7 km NW)	Burundi		29.3000;-3.3500	
Kaniosha (see Kanyosha)	Burundi		29.3611;-3.4114	844 m
Kanyosha (see also: Kaniosha)	Burundi		29.3611;-3.4114	844 m
Rushubi mine	Burundi		29.4864;-3.3486	ca. 1743 m
Rusizi delta (see also: Russissi, bank)	Burundi		29.2667;-3.3500	
Russissi, bank (see Rusizi delta)	Burundi		29.2667;-3.3500	
Usumbura (see Bujumbura)	Burundi		29.3667;-3.3833	794 m
Zimet Quarter	Burundi		29.3500;-3.4000	

SE 03029Bd:

Giheta	Burundi		29.8333;-3.3333	
Gitega (see also: Kitega)	Burundi		29.9308;-3.4264	1845 m
Kibimba Mission	Burundi		29.8089;-3.3000	1730 m
Kitega (see Gitega)	Burundi		29.9308;-3.4264	1845 m
Muyebe	Burundi		29.7789;-3.4969	1764 m
Mweya, near Gitega	Burundi		29.9283;-3.4903	1762 m
Nyamugari hill	Burundi		29.7500;-3.3000	2590 m

SE 03029Cb:

Mutumba Mission	Burundi	29.3667;-3.5833	

SE 03029Da:

Ijenda Mission	Burundi	29.5667;-3.6500	
Rwintare	Burundi	29.6578;-3.5128	2111 m
(see also: Rwintare Mission)			
Rwintare Mission (see Rwintare)	Burundi	29.6578;-3.5128	2111 m
Tora	Burundi	29.5611;-3.6875	2186 m

SE 03029Db:

Buhanga	Burundi	29.9819;-3.6500	1828 m

SE 03029Cd:

Bujumbura, 60 km S (see Resha)	Burundi	29.4000;-3.9000	
Resha, 60 km S Bujumbura	Burundi	29.4000;-3.9000	
(see also: Bujumbura, 60 km S)			
Rumonge	Burundi	29.4389;-3.9722	809 m

SE 03029Dc:

Bururi	Burundi	29.6167;-3.9511	1836 m
Bururi Forest Reserve	Burundi	29.5972;-3.9389	
(see also: Bururi, réserve naturelle forestière de)			
Bururi, réserve naturelle forestière de (see Bururi Forest Reserve)	Burundi	29.5972;-3.9389	
Kiremba Mission	Burundi	29.6833;-3.9333	
Mumushwizi Valley	Burundi	29.5836;-3.9197	1880 m
Nyagatarugwa River Valley	Burundi	29.5833;-3.9166	1785 m
Ruhinga Hill	Burundi	29.5883;-3.9203	2170 m

SE 03029Dd:

Rutana	Burundi	29.9936;-3.9192	1810 m

SE 03030Ba:

Kigamba	Burundi	30.5167;-3.0667	1532 m
Murore	Burundi	30.6625;-3.1875	1826 m

SE 03030Ac:

Ruyigi	Burundi	30.2486;-3.4764	1842 m

SE 03030Ad:

Bweru	Burundi	30.4708;-3.3236	1684 m
Nyankanda, protestant mission	Burundi	30.3181;-3.2903	1553 m

SE 03030Ca:

Mpinga cave (see Mpinga Mission)	Burundi	30.1778;-3.7361	1930 m
Mpinga Mission, 46 km from Rutana	Burundi	30.1778;-3.7361	1930 m
(see also: Mpinga cave, Rutana, 46 km from)			
Rutana, 46 km from (see Mpinga Mission)	Burundi	30.1778;-3.7361	1930 m

SE 03030Db:

Marungu	Tanzania	30.8000;-3.7333	1317 m

SE 03030Cc:

Nyankende	Burundi	30.0000;-3.9167	

SE 03032Cb:

Bulyahulu [Gold Mine]	Tanzania	32.4770;-3.7286	

Bulyanhulu	Tanzania		32.4833;-3.7333	

SE 03033Aa:

Ikoma [hill]	Tanzania		33.1167;-3.0500	

SE 03035Aa:

Ngelehek, Serengeti	Tanzania	ca.	35.0000;-3.0000	

SE 03035Ba:

Ngorongoro [crater]	Tanzania		35.5833;-3.1667	

SE 03035Ad:

Mangola, SW Oldeami (see also: Mongola)	Tanzania		35.4167;-3.4333	1394 m
Mongola (see Mangola), SW Oldeami	Tanzania		35.4167;-3.4333	1394 m

SE 03035Bc:

Gibbs farm, Karatu, eastern Oldeani	Tanzania		35.5333;-3.3500	

SE 03035Bd:

Mto wa Mbu (see also: Mtowamba, Mtowambo, Mto-Wa-Mbo)	Tanzania		35.8542;-3.3744	1170 m
Mtowamba (see Mto wa Mbu), N End Lake Manyara	Tanzania		35.8542;-3.3744	1170 m
Mtowambo (see Mto wa Mbu)	Tanzania		35.8542;-3.3744	1170 m
Mto-Wa-Mbo (see Mto wa Mbu)	Tanzania		35.8542;-3.3744	1170 m

SE 03035Cb:

Matete river, NE shore lake Eyasi	Tanzania		35.2500;-3.5833	

SE 03035Db:

Lake Manyara (see Manyara, Lake)	Tanzania		35.8333;-3.5833	
Lake Manyara National Park, Ndala River	Tanzania		35.8833;-3.6167	
Manyara, Lake (see also: Lake Manyara)	Tanzania		35.8333;-3.5833	
Ndala	Tanzania		35.8750;-3.6250	

SE 03035Cd:

Mbulu district	Tanzania		35.3333;-3.7500	

SE 03035Dc:

Burru (see Mbulu)	Tanzania		35.5333;-3.8500	1772 m
Iraka landscape (see Mbulu)	Tanzania		35.5333;-3.8500	1772 m
Iraku (see Mbulu)	Tanzania		35.5333;-3.8500	1772 m
Mbulu (see also: Burru, Iraka landscape, Iraku, Mburu, Umbulu)	Tanzania		35.5333;-3.8500	1772 m
Mburu (see Mbulu)	Tanzania		35.5333;-3.8500	1772 m
Umbulu (see Mbulu)	Tanzania		35.5333;-3.8500	1772 m

SE 03036Ba:

Meru, mount (see also: Mount Meru)	Tanzania		36.6667;-3.2167	
Mount Meru (see Meru, mount)	Tanzania		36.6667;-3.2167	
Ol Donyo Sambu [hill] (see Oldonyo Sambu [hill]), 30 km north Arusha	Tanzania		36.6500;-3.1667	1829 m
Oldonyo Sambu [hill], 30 km north Arusha (see also: Ol Donyo Sambu [hill], Sambu, Oldonyo [hill])	Tanzania		36.6500;-3.1667	1829 m
Sambu, Oldonyo [hill] (see Oldonyo Sambu [hill]), 30 km north Arusha	Tanzania		36.6500;-3.1667	1829 m
Uto farm, Arusha-Longido road	Tanzania		36.7000;-3.2000	

SE 03036Bb:

Fig Tree Arch	Tanzania	36.8283;-3.2442	
Meru crater	Tanzania	36.7872;-3.2419	

SE 03036Bc:

Aruscha (see Arusha), Chini, Mushi	Tanzania	36.6833;-3.3667	1254 m
Arusha, Chini, Mushi	Tanzania	36.6833;-3.3667	1254 m
(see also: Aruscha, Arusha Chini)			
Arusha Chini (see Arusha)	Tanzania	36.6833;-3.3667	1254 m

SE 03036Bd:

Aru Meru district	Tanzania	36.7500;-3.3333	
(see also: Arusha district)			
Arusha district (see Aru Meru district)	Tanzania	36.7500;-3.3333	
Arusha National Park	Tanzania	36.7500;-3.2500	
(see also: Ngongargare Forest)			
Duluti, lake (see Lake Duluti)	Tanzania	36.7833;-3.3833	
Lake Duluti	Tanzania	36.7833;-3.3833	
(see also: Duluti, lake)			
Mfulu, Songoro [Hill]	Tanzania	36.8167;-3.3167	
Ngongargare Forest (see Arusha National Park)	Tanzania	36.7500;-3.2500	
Tengeru	Tanzania	36.8333;-3.3833	1250 m
(see also: Tenguru)			
Tenguru (see Tengeru)	Tanzania	36.8333;-3.3833	
Usa	Tanzania	36.8500;-3.3667	1166 m
(see also: Usa River)			
Usa River (see Usa)	Tanzania	36.8500;-3.3667	1166 m

SE 03036Cc:

Foley's Camp	Tanzania	36.0688;-3.7979	999 m
Mbuya Mingi Campsite, near	Tanzania	36.0056;-3.8403	1060 m
Tarangire National Park	Tanzania	36.0636;-3.7950	

SE 03037Aa:

Kibonato (see Kibongoto)	Tanzania	37.1000;-3.1833	6200 ft
Kibongoto	Tanzania	37.1000;-3.1833	6200 ft
(see also: Kibonato, Kibonoto)			
Kibonoto (see Kibongoto)	Tanzania	37.1000;-3.1833	6200 ft
Nashallo, near Sanya Juu	Tanzania	37.0333;-3.2000	

SE 03037Ab:

Chilmangiaro (see Mount Kilimanjaro)	Tanzania	37.3667;-3.0667	4500 ft
Kilimandcharo (see Mount Kilimanjaro)	Tanzania	37.3667;-3.0667	4500 ft
Kilimanjaro, mount (see Mount Kilimanjaro)	Tanzania	37.3667;-3.0667	4500 ft
Maua, 4 km N, 1.5 km W	Tanzania	37.4584;-3.2401	
Maua, 7 km N, 2.5 km W	Tanzania	37.4470;-3.2077	
Mount Kilimanjaro	Tanzania	37.3667;-3.0667	4500 ft
(see also: Chilmangiaro, Kilimandcharo, Kilimanjaro, mount)			

SE 03037Ac:

Misingi, near Sanya Inn	Tanzania	37.1000;-3.4000	

SE 03037Ad:

Kiboscho (see Kibosho)	Tanzania	37.3167;-3.2500	1206 m
Kibosho	Tanzania	37.3167;-3.2500	1206 m
(see also: Kiboscho)			
Moschi (see Moshi)	Tanzania	37.3333;-3.3500	887 m
Moshi	Tanzania	37.3333;-3.3500	887 m
(see also: Moschi, Moshi Voi)			
Moshi Voi (see Moshi)	Tanzania	37.3333;-3.3500	887 m
Weru Weru River	Tanzania	ca. 37.3000;-3.4000	

SE 03037Bc:

Taveta	Kenya	37.6667;-3.3833	
Taveta Sisal Estate, SW Taveta	Kenya	37.6833;-3.4000	910 m
Taveta, 3 km E	Kenya	37.7000;-3.3833	760 m

SE 03037Bd:

Murka mine, near Maktau	Kenya	37.9333;-3.3667	610 m

SE 03037Cb:

Arusha Chini	Tanzania	37.3333;-3.5833	839 m
Arusha, 6 mi [=9.7 km] S	Tanzania	37.3333;-3.5833	1372 m
Arusha, 8 mi [=13 km] S	Tanzania	37.3333;-3.5833	
Jippe, lake (see Jipe, lake)	Kenya	37.4500;-3.5833	884 m
Lake Jipe (see Jipe, lake)	Kenya	37.4500;-3.5833	884 m
Lake Jippe (see Jipe, lake)	Kenya	37.4500;-3.5833	884 m

SE 03037Da:

Usangi, North Pare Mountains	Tanzania	37.6667;-3.7000	1355 m

SE 03037Db:

Jipe, lake (see also: Lake Jipe)	Tanzania	37.7500;-3.5833	
Jipe, lake (see also: Jippe, lake, Lake Jipe, Lake Jippe)	Kenya	37.7667;-3.5833	884 m
Lake Jipe (see Jipe, lake)	Tanzania	37.7500;-3.5833	

SE 03037Dc:

Kindoroko Forest Reserve	Tanzania	37.6473;-3.7604	1688 m
Lembeni	Tanzania	37.6167;-3.7833	1072 m
Mwanga district	Tanzania	37.6667;-3.7500	

SE 03038Aa:

Sabaki river (see Sebaki river)	Kenya	38.0000;-3.1500	
Sebaki river (see also: Sabaki river)	Kenya	38.0000;-3.1500	

SE 03038Ba:

Mudanda Rock Crevices	Kenya	38.5167;-3.1667	
Ndi	Kenya	38.5000;-3.2333	2000 m
Tsavo National Park	Kenya	38.6667;-3.0000	762 m

SE 03038Ac:

Lualeni Borehole (see Maktau)	Kenya	38.1333;-3.4000	1171 m
Maktau (see also: Lualeni Borehole, Mwakitau)	Kenya	38.1333;-3.4000	1171 m
Maktau, 50 mi [=80 km] S (see also: Moctow, 50 mi [=80 km] S)	Kenya	ca. 38.1333;-3.4000	
Moctow, 50 mi [=80 km] S (see Maktau, 50 mi [=80 km] S)	Kenya	38.1333;-3.4000	
Mwakitau (see Maktau)	Kenya	38.1333;-3.4000	1171 m

SE 03038Ad:

Mbololo, mount	Kenya	38.4667;-3.2833	
Ngangao forest, 4.25 km N, 1.75 km W Wundanyi (see also: Wundanyi, 4.25 km N, 1.75 km W)	Kenya	38.3333;-3.3667	
Ngangas Forest, 4.5 km N, 1.75 km W Wundanyi (see also: Ngaugao Forest, Wundanyi, 4.5 km N, 1.75 km W)	Kenya	38.3500;-3.3667	1798 m
Ngaugao Forest (see Ngangas Forest)	Kenya	38.3500;-3.3667	1798 m
Taita	Kenya	38.3333;-3.3333	
Wundanyi, 4.25 km N, 1.75 km W (see Ngangao forest)	Kenya	38.3333;-3.3667	
Wundanyi, 4.5 km N, 1.75 km W (see Ngangas Forest)	Kenya	38.3500;-3.3667	1798 m

SE 03038Bc:

Irima, 4 mi [=6.4 km] NW Voi	Kenya		38.5346;-3.3555	564 m
(see also: Voi, 4 mi [=6.4 km] NW)				
Kiabasi, near Voi	Kenya	ca.	38.5667;-3.3833	1900 ft
Lion Hill, 2 mi [=3.6 km] from Voi, Tsavo East National Park	Kenya		38.5664;-3.3756	
Voi	Kenya		38.5667;-3.3833	
Voi, 2 mi [=3.2 km] N	Kenya		38.5500;-3.3830	564 m
Voi, 4 mi [=6.4 km] NW (see Irima)	Kenya		38.5346;-3.3555	564 m

SE 03038Bd:

Aruba Lodge	Kenya		38.8167;-3.3500	

SE 03038Da:

Maungu Hill, Voi, 48 km SE	Kenya		38.6250;-3.6250	450 m
(see also: Voi, 48 km SE)				
Ndara hills, Voi	Kenya		38.6000;-3.5167	
Ngasha (see Nyangala Hill), 40 km SE Voi	Kenya		38.7333;-3.6167	
Nyangala Hill, 40 km SE Voi	Kenya		38.7333;-3.6167	
(see also: Ngasha, Voi, 40 km SE)				
Sagalla	Kenya		38.5667;-3.5167	864 m
Voi, 40 km SE (see Nyangala Hill)	Kenya		38.7333;-3.6167	
Voi, 48 km SE (see Maungu Hill)	Kenya		38.6250;-3.6250	450 m

SE 03038Db:

Marungu (see Maungu), 30 km E Voi	Kenya		38.7500;-3.5500	61 m
Maungu, 30 km E Voi	Kenya		38.7500;-3.5500	61 m
(see also: Marungu, Voi, 30 km E)				
Voi, 30 km E (see Maungu)	Kenya		38.7500;-3.5500	61 m
Voi, 30 km E (see Wangala)	Kenya		38.8312;-3.6023	610 m
Voi, 30 km SE	Kenya	ca.	38.7667;-3.5667	
Wangala, 38 km E Voi	Kenya		38.8312;-3.6023	610 m
(see also: Voi, 30 km E, Wangala Station)				
Wangala Station (see Wangala)	Kenya		38.8312;-3.6023	320 m

SE 03039Aa:

Sala	Kenya		39.1833;-3.1000	

SE 03039Ad:

Galana Game Scheme (see Galana Ranch)	Kenya		39.3333;-3.3333	
Galana Ranch	Kenya		39.3333;-3.3333	
(see also: Galana Game Scheme)				
Galana River	Kenya	ca.	39.3333;-3.3333	
Garibete Water Hole	Kenya		39.2667;-3.4333	
(see also: Garibiti)				
Garibiti (see Garibete Water Hole)	Kenya		39.2667;-3.4333	

SE 03039Bd:

Arabuko-Sokoke District	Kenya		39.8667;-3.3333	
Arabuko-Sokoke Forest	Kenya		39.8667;-3.3333	
Kilifi, 6 mi [=9.7 km] WNW (see Sokoke Forest)	Kenya		39.8333;-3.4833	200 ft
Meda (see Mida)	Kenya		39.9667;-3.3167	2 m
Mida	Kenya		39.9667;-3.3167	2 m
(see also: Meda)				
Sokoke Forest, 6 mi [=9.6 km] WNW Kilifi	Kenya		39.8333;-3.4833	200 ft
(see also: Kilifi, 6 mi [=9.7 km] WNW)				

SE 03039Db:

Kalifi (see Kilifi)	Kenya		39.8500;-3.6333	0 m
Kilifi	Kenya		39.8500;-3.6333	61 m
(see also: Kalifi)				
Kilifi cave	Kenya		39.8500;-3.6333	0 m
Kilifi creek, 2 mi [=3.2 km] W Kilifi	Kenya	ca.	39.8500;-3.6333	
(see also: Kilifi, 2 mi [=3.2 km] W)				
Kilifi creek, head of, 6 mi [=9.7 km] W Kilifi	Kenya		39.7800;-3.5800	

Kilifi, 1 km S	Kenya		39.8333;-3.6167	
Kilifi, 1 mi [=1.6 km] N	Kenya	ca.	39.8500;-3.6333	15 m
Kilifi, 1.5 mi [=2.4 km] N	Kenya	ca.	39.8500;-3.6333	50 m
Kilifi, 2 mi [=3.2 km] N	Kenya	ca.	39.8500;-3.6333	50 m
Kilifi, 2 mi [=3.2 km] W (see Kilifi creek)	Kenya	ca.	39.8500;-3.6333	
Kilifi, 4 mi [=6.4 km] S (see also: Tokaungu)	Kenya		39.8500;-3.6833	
Kilifi, 5 mi [=8 km] W	Kenya		39.7500;-3.6167	
Kilifi, 6 mi [=9.6 km] S (see Maweni river)	Kenya		39.7500;-3.7333	
Kilifi, 6 mi [=9.7 km] S	Kenya	ca.	39.8500;-3.6333	
Kilifi, 6 mi [=9.7 km] W	Kenya		39.7800;-3.5800	61 m
Kilifi, near	Kenya	ca.	39.8500;-3.6333	
Maweni river, 6 mi [=9.6 km] S Kilifi (see also: Kilifi, 6 mi [=9.6 km] S)	Kenya		39.7500;-3.7333	
Taka Ungu (see Takaungu), 4 mi S Kilifi, near Uombesa	Kenya		39.8500;-3.6833	5 m
Taka Unka, Ungu Palm Grove on Coast (see Takaungu)	Kenya		39.8500;-3.6833	5 m
Takaungu (see also: Taka Ungu, Taka Unka, Ungu Palm Grove on Coast)	Kenya		39.8500;-3.6833	5 m
Tokaungu (see Kilifi, 4 mi [=6.4 km] S), 4 mi [=6.4 km] S Kilifi	Kenya		39.8500;-3.6833	5 m

SE 03039Dc:

Kunumara Conference Center, 20 km N Mombasa (see also: Mombasa, 20 km N)	Kenya		39.6667;-3.8691	
Mazeras	Kenya		39.5500;-3.9667	287 m
Mombasa, 20 km N (see Kunumara Conference Center)	Kenya		39.6667;-3.8691	
Raba (see Rabai), Mombassa, near	Kenya		39.5667;-3.9333	700 ft
Rabai, Mombassa, near (see also: Raba, Ravai)	Kenya		39.5667;-3.9333	700 ft
Ravai (see Rabai), Mombassa, near	Kenya		39.5667;-3.9333	700 ft

SE 03039Dd:

Kikambala	Kenya		39.7833;-3.9000	0 m
Mombasa, 20 mi [=32 km] N (see Vipingo)	Kenya		39.8000;-3.8167	99 m
Mombasa, 25 mi [=40 km] N (see Vipingo)	Kenya		39.8000;-3.8167	99 m
Vipingo, 20 mi [=32 km] N Mobasa (see also: Mombasa, 20 mi [=32 km] N, Vipingoni)	Kenya		39.8000;-3.8167	99 m
Vipingo, 25 mi [=40 km] N Mombasa (see also: Mombasa, 25 mi [=40 km] N, Vipingo cave(s), Vipingoni, Vipingoni cave(s))	Kenya		39.8000;-3.8167	99 m
Vipingo cave(s) (see Vipingo), 25 mi [=40 km] N Mombasa	Kenya		39.8000;-3.8167	99 m
Vipingoni (see Vipingo), 20 mi [=32 km] N Mobasa	Kenya		39.8000;-3.8167	99 m
Vipingoni (see Vipingo), 25 mi [=40 km] N Mombasa	Kenya		39.8000;-3.8167	99 m
Vipingoni cave(s) (see Vipingo), 25 mi [=40 km] N Mombasa	Kenya		39.8000;-3.8167	99 m

SE 03040Aa:

Malindi	Kenya		40.1167;-3.2167	0 m
Malindi, ca 19 km from	Kenya		40.1333;-3.2333	
Ngomeni	Kenya		40.1911;-3.0033	1 m
Vasco de Gama Pillar, Malindi (see also: Vasco de Gama Point)	Kenya		40.1333;-3.2167	
Vasco de Gama Point (see Vasco de Gama Pillar), Malindi	Kenya		40.1333;-3.2167	

SE 03040Ac:

Gede National Park (see also: Gede Royal National Park, Gedi National Park, Gedi Royal National Park)	Kenya		40.0167;-3.3000	7 m
Gede Royal National Park (see Gede National Park)	Kenya		40.0167;-3.3000	7 m
Gedeh (see also: Gedi)	Kenya		40.0167;-3.3000	7 m
Gedi (see Gedeh)	Kenya		40.0167;-3.3000	7 m
Gedi National Park (see Gede National Park)	Kenya		40.0167;-3.3000	7 m
Gedi Royal National Park (see Gede National Park)	Kenya		40.0167;-3.3000	7 m
Gome Maria caves	Kenya		40.0167;-3.3333	
Watamu (see also: Watamu Beach)	Kenya		40.0167;-3.3500	0 m

Watamu Beach (see Watamu)	Kenya		40.0167;-3.3500	0 m

SE 04011Dd:

Cote-Matève, 1 mi [=1.6 km] SE	Congo		11.9211;-4.8675	
Pointe Noire (see Pointe-Noire)	Congo		11.8461;-4.7947	1 m
Pointe-Noire (see also: Pointe Noire)	Congo		11.8461;-4.7947	1 m
Pointe-Noire, 3 mi [=4.8 km] SE	Congo	ca.	11.9167;-4.8833	

SE 04012Aa:

Kouilou departement (see also: Région de Kouilou)	Congo	ca.	12.0000;-4.0000	
La Sounda (see Sounda)	Congo		12.1333;-4.0833	36 m
Sounda (see also: La Sounda)	Congo		12.1333;-4.0833	36 m

SE 04012Ab:

Dimonika	Congo		12.4394;-4.2314	250 m

SE 04012Da:

Majumba (see Mayombe area)	Congo		12.5000;-4.5000	
Mayombe area (see also: Majumba)	Congo		12.5000;-4.5000	
Mayumbe area	Congo (Democratic Republic of the)	ca.	12.5000;-4.5000	

SE 04012Dd:

Ganda (see Ganda-Sundi)	Congo (Democratic Republic of the)		12.8667;-4.8667	294 m
Ganda-Sundi (see also: Ganda)	Congo (Democratic Republic of the)		12.8667;-4.8667	294 m

SE 04013Bb:

Kila N'Tari caves (see N'Kila-N'Tari caves), 150 km W Brazzaville, near Mouyondzi	Congo		13.8528;-4.1203	

SE 04013Ac:

Doumboula cave (see Doumboula, grotte de)	Congo		13.0000;-4.2500	
Doumboula, grotte de (see also: Doumboula cave, Grotte de Doumboula)	Congo		13.0000;-4.2500	
Grotte de Doumboula (see Doumboula, grotte de)	Congo		13.0000;-4.2500	
Grotte du Viaduc (see Viaduc, grotte du)	Congo		13.0000;-4.2500	
Loudima cave	Congo		13.0000;-4.2500	
Viaduc, cave (see Viaduc, grotte du)	Congo		13.0000;-4.2500	
Viaduc, grotte du (see also: Grotte du Viaduc, Viaduc, cave)	Congo		13.0000;-4.2500	

SE 04013Da:

Djambala (hill)	Congo (Democratic Republic of the)		13.7333;-4.7000	

SE 04013Cc:

Kisala (see Kisala-Kiama)	Congo (Democratic Republic of the)		13.1667;-4.8000	433 m
Kisala Nkiama (see Kisala-Kiama)	Congo (Democratic Republic of the)		13.1667;-4.8000	433 m
Kisala-Kiama (see also: Kisala, Kisala Nkiama)	Congo (Democratic Republic of the)		13.1667;-4.8000	433 m

SE 04013Dc:

Kuango	Congo (Democratic Republic of the)		13.6000;-4.7500	

Ruango	Congo (Democratic Republic of the)		13.6000;-4.7500	

SE 04014Bd:

Kinkala	Congo		14.7644;-4.3614	407 m

SE 04014Da:

Voka	Congo		14.6833;-4.6833	621 m

SE 04014Cc:

Kimbemba cataracts	Congo (Democratic Republic of the)	ca.	14.1000;-4.8500	

SE 04015Ab:

Bamu Island (see Mbamou Island)	Congo		15.4183;-4.2094	
Île Bamu (see Mbamou Island)	Congo		15.4183;-4.2094	
Île Mbamou (see Mbamou Island)	Congo		15.4183;-4.2094	
Île Mbamu (see Mbamou Island)	Congo		15.4183;-4.2094	
Île Mont Bamou (see Mbamou Island)	Congo		15.4183;-4.2094	
Malebo Pool (see Stanley Pool)	Congo		15.4386;-4.1894	
Mbamou Island (see also: Bamu Island, Île Bamu, Île Mbamou, Île Mbamu, Île Mont Bamou, M'Bamou Island, Mbamu Island, Mount Bamou Island)	Congo		15.4183;-4.2094	
M'Bamou Island (see Mbamou Island)	Congo		15.4183;-4.2094	
Mbamu Island (see Mbamou Island)	Congo		15.4183;-4.2094	
Mount Bamou Island (see Mbamou Island)	Congo		15.4183;-4.2094	
Ncouna (see Stanley Pool)	Congo		15.4386;-4.1894	
Pool Malebo (see Stanley Pool)	Congo		15.4386;-4.1894	
Stanley Pool (see also: Malebo Pool, Ncouna, Pool Malebo)	Congo		15.4386;-4.1894	

SE 04015Ba:

Kimpoko (see Kimpoko-Nsele)	Congo (Democratic Republic of the)		15.5503;-4.2344	294 m
Kimpoko-Nsele (see also: Kimpoko, Nsele)	Congo (Democratic Republic of the)		15.5503;-4.2344	294 m
Nsele (see Kimpoko-Nsele)	Congo (Democratic Republic of the)		15.5503;-4.2344	294 m

SE 04015Bb:

Nkiene	Congo (Democratic Republic of the)		15.9167;-4.1667	

SE 04015Ad:

Brazzaville (see also: Centre ORSTOM, Maya-Maya, N'Tamo, ORSTOM center)	Congo		15.2847;-4.2592	155 m
Brazzaville, near	Congo	ca.	15.2833;-4.2500	
Centre ORSTOM (see Brazzaville)	Congo		15.2847;-4.2592	155 m
Grotte de Kimuenza (see Kimuenza cave)	Congo (Democratic Republic of the)		15.2889;-4.4592	
Kalina	Congo (Democratic Republic of the)		15.2833;-4.3667	128 m
Kimuenza cave (see also: Grotte de Kimuenza, Kimuenza grot, Kimwenza cave)	Congo (Democratic Republic of the)		15.2889;-4.4592	
Kimuenza grot (see Kimuenza cave)	Congo (Democratic Republic of the)		15.2889;-4.4592	
Kimwenza cave (see Kimuenza cave)	Congo (Democratic Republic of the)		15.2889;-4.4592	
Kingabwa	Congo (Democratic Republic of the)		15.3000;-4.3000	
Kinshasa (see also: Leopoldstad, Leopoldville, Léopoldville, Lovanium university)	Congo (Democratic Republic of the)		15.3150;-4.3297	240 m

Kinshasa, 10 km W (see also: TASOK (The American School of Kinshasa))	Congo (Democratic Republic of the)	ca.	15.2500;-4.3333	
Kinshasa, near Leopoldville (see also: Léo-Est)	Congo (Democratic Republic of the)		15.3000;-4.3000	177 m
Lemba plain (see also: Lemba vlakte)	Congo (Democratic Republic of the)		15.3000;-4.3000	
Lemba vlakte (see Lemba plain)	Congo (Democratic Republic of the)		15.3000;-4.3000	
Léo-Est (see Kinshasa, near Leopoldville)	Congo (Democratic Republic of the)		15.3000;-4.3000	177 m
Leopoldstad (see Kinshasa)	Congo (Democratic Republic of the)		15.3150;-4.3297	240 m
Leopoldville (see Kinshasa)	Congo (Democratic Republic of the)		15.3000;-4.3000	240 m
Léopoldville (see Kinshasa)	Congo (Democratic Republic of the)		15.3150;-4.3297	240 m
Lovanium university (see Kinshasa)	Congo (Democratic Republic of the)		15.3150;-4.3297	240 m
Maya-Maya (see Brazzaville)	Congo		15.2847;-4.2592	155 m
Ndjili	Congo (Democratic Republic of the)		15.3489;-4.4642	327 m
N'Tamo (see Brazzaville)	Congo		15.2847;-4.2592	155 m
ORSTOM center (see Brazzaville)	Congo		15.2847;-4.2592	155 m
TASOK (The American School of Kinshasa) (see Kinshasa, 10 km W)	Congo (Democratic Republic of the)	ca.	15.2500;-4.3333	

SE 04015Ca:

Make	Congo (Democratic Republic of the)		15.1667;-4.6000	

SE 04016Ba:

Bengale	Congo (Democratic Republic of the)		16.6667;-4.1333	
Benzale	Congo (Democratic Republic of the)		16.6667;-4.1333	277 m

SE 04016Db:

Masaba	Congo (Democratic Republic of the)		16.9000;-4.5500	
Masabu	Congo (Democratic Republic of the)		16.9000;-4.5500	597 m

SE 04016Cd:

Makengo, on Kwango river	Congo (Democratic Republic of the)		16.3167;-4.7667	611 m

SE 04017Bc:

Kiulu Mgemgo (see Kuili Ngongo)	Congo (Democratic Republic of the)		17.7000;-4.4000	
Kuili (see also: Kuili Ngongo)	Congo (Democratic Republic of the)		17.7000;-4.4000	
Kuili Ngongo (see Kuili) (see also: Kiulu Mgemgo)	Congo (Democratic Republic of the)		17.7000;-4.4000	

SE 04018Db:

Bandimbu, Mosenge	Congo (Democratic Republic of the)		18.9667;-4.6500	
Mosenge	Congo (Democratic Republic of the)		18.9667;-4.6500	508 m

SE 04018Cc:

Ngula	Congo (Democratic Republic of the)		18.1833;-4.7500	549 m

SE 04018Dc:

Leverstad (see Lusanga)	Congo (Democratic Republic of the)	18.7333;-4.8333	307 m
Leverville (see Lusanga)	Congo (Democratic Republic of the)	18.7333;-4.8333	307 m
Lusanga (see also: Leverstad, Leverville)	Congo (Democratic Republic of the)	18.7333;-4.8333	307 m

SE 04018Dd:

Kinzambi mission, near Kikwit (see also: Mission de Kinzambi)	Congo (Democratic Republic of the)	18.7745;-4.9772	312 m
Mission de Kinzambi (see Kinzambi mission)	Congo (Democratic Republic of the)	18.7745;-4.9772	312 m

SE 04020Ad:

Basongo	Congo (Democratic Republic of the)	20.4000;-4.3333	329 m

SE 04021Dc:

Bena Longo (see Bene Longo)	Congo (Democratic Republic of the)	21.6667;-4.8667	
Bene Longo (see also: Bena Longo)	Congo (Democratic Republic of the)	21.6667;-4.8667	
Mueka (see Mweka)	Congo (Democratic Republic of the)	21.5667;-4.8500	466 m
Mweka (see also: Mueka, Mweka Kasai)	Congo (Democratic Republic of the)	21.5667;-4.8500	466 m
Mweka Kasai (see Mweka)	Congo (Democratic Republic of the)	21.5667;-4.8500	466 m
Mweka territory	Congo (Democratic Republic of the)	21.5667;-4.8500	

SE 04021Dd:

Kinda	Congo (Democratic Republic of the)	21.8000;-4.7833	470 m

SE 04022Db:

Bena Tshadi (see also: Bena Tshandi, Bena Tshiadi)	Congo (Democratic Republic of the)	22.8167;-4.6667	615 m
Bena Tshandi (see Bena Tshadi)	Congo (Democratic Republic of the)	22.8167;-4.6667	615 m
Bena Tshiadi (see Bena Tshadi)	Congo (Democratic Republic of the)	22.8167;-4.6667	615 m

SE 04022Cc:

Bakwa-Kenge (see also: Bakwakenge)	Congo (Democratic Republic of the)	22.0667;-4.8500	461 m
Bakwakenge (see Bakwa-Kenge)	Congo (Democratic Republic of the)	22.0667;-4.8500	461 m

SE 04023Cd:

Inkongo (see Inkongo-Kakese), on Sankuru river	Congo (Democratic Republic of the)	23.3000;-4.8833	400 m
Inkongo-Kakese (see also: Inkongo, Inkongu)	Congo (Democratic Republic of the)	23.3000;-4.8833	400 m
Inkongu (see Inkongo-Kakese)	Congo (Democratic Republic of the)	23.3000;-4.8833	400 m
Kondue [river]	Congo (Democratic Republic of the)	23.3500;-4.9500	
Lusambo (see also: Luzambo)	Congo (Democratic Republic of the)	23.4500;-4.9667	397 m
Luzambo (see Lusambo)	Congo (Democratic Republic of the)	23.4500;-4.9667	397 m
Sankuru province	Congo (Democratic Republic of the)	ca. 23.4500;-4.9667	

SE 04026Aa:

Nyangwe (see also: Pene Bwebwe)	Congo (Democratic Republic of the)	26.1833;-4.2167	507 m
Pene Bwebwe (see Nyangwe)	Congo (Democratic Republic of the)	26.1833;-4.2167	507 m

SE 04026Bc:

Kapaya (see Kasongo)	Congo (Democratic Republic of the)	26.6667;-4.4500	625 m
Kasongo (see also: Kapaya, Kazongo, Tongoni)	Congo (Democratic Republic of the)	26.6667;-4.4500	625 m
Kasongo territory	Congo (Democratic Republic of the)	26.6667;-4.4500	
Kazongo (see Kasongo)	Congo (Democratic Republic of the)	26.6667;-4.4500	625 m
Tongoni (see Kasongo)	Congo (Democratic Republic of the)	26.6667;-4.4500	625 m

SE 04026Bd:

Mwana-Kusu (see also: Mwanakusu)	Congo (Democratic Republic of the)	26.8000;-4.4333	612 m
Mwanakusu (see Mwana-Kusu)	Congo (Democratic Republic of the)	26.8000;-4.4333	612 m

SE 04026Cb:

Samba	Congo (Democratic Republic of the)	26.3667;-4.6333	610 m

SE 04026Da:

Kasongo Samba	Congo (Democratic Republic of the)	26.6667;-4.5000	
Kumi	Congo (Democratic Republic of the)	26.5500;-4.5300	

SE 04027Ca:

Grotte de Mwanakusu (see Mwanakusu cave)	Congo (Democratic Republic of the)	27.1333;-4.5833	
Mwanakusu cave (see also: Grotte de Mwanakusu, Mwanakusu grot)	Congo (Democratic Republic of the)	27.1333;-4.5833	
Mwanakusu grot (see Mwanakusu cave)	Congo (Democratic Republic of the)	27.1333;-4.5833	

SE 04028Ba:

Grand ebouli de Lemera (see Itombwe)	Congo (Democratic Republic of the)	28.6667;-4.0667	
Itombwe, Grand ebouli de Lemera (see also: Grand ebouli de Lemera, Lemera Great Sink)	Congo (Democratic Republic of the)	28.6667;-4.0667	
Lemera Great Sink (see Itombwe)	Congo (Democratic Republic of the)	28.6667;-4.0667	

SE 04028Da:

Lulimba	Congo (Democratic Republic of the)	28.6317;-4.6933	877 m

SE 04029Aa:

Baraka	Congo (Democratic Republic of the)	29.0875;-4.0908	772 m
Baraka, 5 mi [=8 km] N	Congo (Democratic Republic of the)	ca. 29.0875;-4.0908	

SE 04029Ba:

Kigwena Hill	Burundi	29.5353;-4.1439	918 m

SE 04029Bb:

Bukara	Burundi	29.7781;-4.1103	
Makamba	Burundi	29.8050;-4.1347	1472 m

SE 04029Bc:

Gifuruzi (see Kifuruzi)	Burundi	29.5850;-4.3158	
Grotte de Rubindi (see Rubindi)	Burundi	29.5753;-4.2603	997 m
Kifuruzi (see also: Gifuruzi)	Burundi	29.5850;-4.3158	
Nyanza (see Nyanza-Lac)	Burundi	29.5936;-4.3442	772 m
Nyanza territory	Burundi	ca. 29.5952;-4.3333	
Nyanza-Lac (see also: Nyanza)	Burundi	29.5936;-4.3442	772 m
Nyanza-Lac, 10 km N	Burundi	ca. 29.5952;-4.3356	
Rubindi (see also: Grotte de Rubindi)	Burundi	29.5753;-4.2603	997 m

SE 04029Da:

Gombe Stream Game Reserve (see Gombe Stream National Park)	Tanzania	29.6167;-4.7000	
Gombe Stream National Park (see also: Gombe Stream Game Reserve)	Tanzania	29.6167;-4.7000	

SE 04029Cc:

Kabobo forest, 4 km SW Talama (see also: Talama, 4 km SW)	Congo (Democratic Republic of the)	29.0803;-4.9914	1950 m
Talama, 4 km SW (see Kabobo forest)	Congo (Democratic Republic of the)	29.0803;-4.9914	

SE 04029Dc:

Kigoma, near Lake Tanagyika	Tanzania	29.6267;-4.8769	775 m
Kigoma, near, near Lake Tanagyika	Tanzania	29.6333;-4.8833	1067 m
Lake Tanganyika	Tanzania	29.6167;-4.8667	
Udidji (see Ujiji)	Tanzania	29.6761;-4.9056	781 m
Ugoi (see Ujiji)	Tanzania	29.6761;-4.9056	781 m
Ujiji (see also: Udidji, Ugoi, Ujyi)	Tanzania	29.6761;-4.9056	781 m
Ujyi (see Ujiji)	Tanzania	29.6761;-4.9056	781 m

SE 04030Aa:

Nyanga	Tanzania	30.1053;-4.1897	1230 m

SE 04030Ca:

Kassulo (see Kasulu)	Tanzania	30.1025;-4.5767	1458 m
Kasulo (see Kasulu)	Tanzania	30.1025;-4.5767	1458 m
Kasulu (see also: Kassulo, Kasulo)	Tanzania	30.1025;-4.5767	1458 m

SE 04033Ac:

Kawe	Tanzania	33.0500;-4.3000	1189 m

SE 04034Aa:

Wembere river	Tanzania	34.1833;-4.1667	

SE 04034Ba:

Mkalama	Tanzania	34.6333;-4.1167	1215 m

SE 04034Bb:

Makullo (see Makulo)	Tanzania	34.7500;-4.1500	1533 m
Makulo (see also: Makullo)	Tanzania	34.7500;-4.1500	1533 m

SE 04035Cc:

Unyaganyi (see Unyang'anyi)	Tanzania	35.0000;-4.8333	1372 m
Unyang'anyi (see also: Unyaganyi, Unyanganyi)	Tanzania	35.0000;-4.8333	1372 m
Unyanganyi (see Unyang'anyi)	Tanzania	35.0000;-4.8333	1372 m

SE 04035Dd:

Kondoa (see also: Kondoa Irangi)	Tanzania	35.7833;-4.9000	1405 m
Kondoa Irangi (see Kondoa)	Tanzania	35.7833;-4.9000	1405 m

SE 04036Aa:

Tanangire National Park (see Tarangire National Park)	Tanzania	36.0000;-4.0000	
Tarangire Game Reserve (see Tarangire National Park)	Tanzania	36.0000;-4.0000	
Tarangire National Park (see also: Tanangire National Park, Tarangire Game Reserve)	Tanzania	36.0000;-4.0000	

SE 04037Ba:

Masimani	Tanzania	37.5500;-4.2167	807 m
Sam Deli	Tanzania	37.5000;-4.0000	
Same (see also: Ssame)	Tanzania	37.7333;-4.0667	897 m
Ssame (see Same)	Tanzania	37.7333;-4.0667	897 m

SE 04037Bd:

Chome Forest Reserve, 3 km E, 0.7 km N Mhero (see also: Mhero, 3 km E, 0.7 km N, South Pare Mountains)	Tanzania	37.9667;-4.3000	2000 m
Mhero, 3 km E, 0.7 km N (see Chome Forest Reserve)	Tanzania	37.9667;-4.3000	2000 m
South Pare Mountains (see Chome Forest Reserve), 3 km E, 0.7 km N Mhero	Tanzania	37.9667;-4.3000	2000 m

SE 04038Aa:

Mkomazi Game Reserve	Tanzania	38.1667;-4.1667	

SE 04038Ac:

Bombo, 5.5 km S (see Kanza village, near)	Tanzania	38.0000;-4.3200	1100 m
Bombo, 7 km S	Tanzania	38.0000;-4.3300	1100 m
Bombo, 8 km S (see Lugulu village, near)	Tanzania	38.0000;-4.3300	1100 m
Gonja (see also: Gonja Maore)	Tanzania	38.0500;-4.2667	575 m
Gonja Forest Reserve, 2 km SW Gonja Maore (see also: Gonja Maore, 2 km SW)	Tanzania	38.0333;-4.2667	550 m
Gonja Maore (see Gonja)	Tanzania	38.0500;-4.2667	575 m
Gonja Maore, 2 km SW (see Gonja Forest Reserve)	Tanzania	38.0333;-4.2667	550 m
Kanza village, near, 5.5 km S Bombo (see also: Bombo, 5.5 km S)	Tanzania	38.0000;-4.3200	1100 m
Lugulu village, near, 8 km S Bombo (see also: Bombo, 8 km S)	Tanzania	38.0000;-4.3300	1100 m

SE 04038Ca:

Mkomasi (see Mkomazi)	Tanzania	38.0833;-4.6333	485 m
Mkomazi (see also: Mkomasi)	Tanzania	38.0833;-4.6333	485 m
Shume, near	Tanzania	ca. 38.2167;-4.7000	

SE 04038Cb:

Lushoto district	Tanzania		38.3333;-4.6667	
Malindi	Tanzania		38.3000;-4.6167	1626 m

SE 04038Cd:

Magrotto Plantation	Tanzania		38.3517;-4.9422	
Mazumbai Forest Reserve	Tanzania		38.2500;-4.7500	1500 m
Mombo	Tanzania		38.2833;-4.8833	513 m

SE 04038Dc:

Kambai Forest Reserve	Tanzania		38.6833;-4.9833	
Kizara Logging Site	Tanzania	ca.	38.6333;-4.8667	
Kwambumi Forest Reserve, 4.4 km W Mt Mhinduro, 2 km S Kwamtili Estate Offices (see also: Kwamtili Estate Offices, 2 km S, Mount Mhinduro, 4.4 km W)	Tanzania		38.7300;-4.9417	230 m
Kwamtili Estate Offices, 2 km S (see Kwambumi Forest Reserve)	Tanzania		38.7300;-4.9417	230 m
Lutindi Forest Reserve	Tanzania		38.6333;-4.8667	
Mazumba Estate	Tanzania		38.5000;-4.8000	1412 m
Mount Mhinduro, 4.4 km W (see Kwambumi Forest Reserve)	Tanzania		38.7300;-4.9417	230 m
Nilo Forest Reserve	Tanzania		38.6625;-4.9044	800 m
Semdoe Forest Reserve, Muheza district	Tanzania		38.7089;-4.9347	
Usambara mountains	Tanzania		38.5000;-4.7500	

SE 04038Dd:

Bamba Ridge Forest Reserve (see also: Bamba-Mlungi Forest Reserve)	Tanzania		38.7833;-4.9500	
Bamba-Mlungi Forest Reserve (see Bamba Ridge Forest Reserve)	Tanzania		38.7833;-4.9500	
Kwamgumi Forest Reserve, East Usambara mountains (see also: Kwamguni Forest Reserve, Kwamtili Forest Reserve)	Tanzania		38.7500;-4.9333	150 m
Kwamguni Forest Reserve (see Kwamgumi Forest Reserve)	Tanzania		38.7500;-4.9333	150 m
Kwamtili Forest Reserve (see Kwamgumi Forest Reserve)	Tanzania		38.7500;-4.9333	150 m
Matai Forest Reserve	Tanzania		38.7667;-4.8500	250 m
Mgambo Forest Reserve	Tanzania		38.8028;-4.7542	400 m
Mtai Forest Reserve, East Usambara Mountains	Tanzania		38.7667;-4.9667	
Segoma Forest Reserve	Tanzania		38.7500;-4.9667	

SE 04039Ab:

Chale plateau (see Shimba hills)	Kenya		39.4167;-4.2167	
Kivondo Forest	Kenya		39.4500;-4.2000	
Kivumoni Forest, 5 km SE Kwale (see also: Kwale, 5 km SE)	Kenya		39.4833;-4.2167	
Kwale	Kenya		39.4500;-4.1833	303 m
Kwale district	Kenya	ca.	39.4500;-4.1833	
Kwale, 5 km SE (see Kivumoni Forest)	Kenya		39.4833;-4.2167	
Kwale, 7 km S, 8 km W	Kenya	ca.	39.4500;-4.1833	
Lukore, Mkanda river	Kenya		39.4167;-4.2167	
Lukore area	Kenya		39.4167;-4.2167	
Mukanda Bridge	Kenya	ca.	39.4500;-4.1667	
Mukanda one cave	Kenya		39.4500;-4.1667	
Mukanda river, Shimba Hills Settlement (see also: Mukanda Stream)	Kenya		39.4500;-4.1667	152 m
Mukanda river, near bridge 2, Shimba Hills Settlement	Kenya	ca.	39.4500;-4.1667	
Mukanda Stream (see Mukanda river)	Kenya		39.4500;-4.1667	152 m
Pango La Mwana Moto	Kenya	ca.	39.4500;-4.1833	
Shimba hills (see also: Chale plateau)	Kenya		39.4167;-4.2167	305 m
Shimba hills (forest) (see Shimba Hills Nature Reserve)	Kenya		39.4167;-4.2333	
Shimba Hills Nature Reserve	Kenya		39.4167;-4.2333	
Shimba Hills Nature Reserve (see also: Shimba hills (forest))	Kenya		39.4167;-4.2333	

SE 04039Ba:

Frere Town	Kenya		39.7000;-4.0167	1 m
Kilindini	Kenya		39.6667;-4.0667	0 ft
Magwagwa Beach, Masembweni	Kenya		39.6142;-4.1303	
Mombas (see Mombasa)	Kenya		39.6667;-4.0500	0 m
Mombasa (see also: Mombas, Mombassa, Mvita)	Kenya		39.6667;-4.0500	0 m
Mombasa, 10 km S (see Ngombeni location)	Kenya		39.6142;-4.1303	31 m
Mombasa, 11 km S (see Ngombeni location)	Kenya		39.6142;-4.1303	31 m
Mombasa, 12.8 km S	Kenya		39.6667;-4.1658	
Mombasa, 13 km S	Kenya		39.6667;-4.0667	
Mombasa, 22 mi N	Kenya	ca.	39.6667;-4.0500	
Mombasa, 25 km S (see Tiwi)	Kenya		39.5833;-4.2333	5 m
Mombasa, 4 mi [=6.4 km] S	Kenya		39.6667;-4.0667	
Mombasa, 8 km S	Kenya	ca.	39.6667;-4.0667	
Mombasa, 8 mi S	Kenya	ca.	39.6667;-4.0667	
Mombasa, cave near	Kenya	ca.	39.6667;-4.0500	
Mombasa, S of	Kenya		39.6667;-4.0667	
Mombasa, well S	Kenya	ca.	39.6667;-4.0500	
Mombassa (see Mombasa)	Kenya		39.6667;-4.0500	0 m
Mvita (see Mombasa)	Kenya		39.6667;-4.0500	0 m
Ngombeni (see Ngombeni location), 10 km S Mombasa	Kenya		39.6142;-4.1303	31 m
Ngombeni caves (see Ngombeni location), 11 km S Mombasa	Kenya		39.6142;-4.1303	31 m
Ngombeni location (see also: Mombasa, 10 km S, Mombasa, 11 km S, Ngombeni, Ngombeni caves, Ngomheni, Similani caves)	Kenya		39.6142;-4.1303	31 m
Ngomheni (see Ngombeni location), 10 km S Mombasa	Kenya		39.6142;-4.1303	31 m
Nyala Beach hotel	Kenya		39.6667;-4.0667	
Port Reitz, Mombasa	Kenya		39.6167;-4.0500	
Shimilani, 15 mi [=24 km] S Mombasa	Kenya		39.6000;-4.2333	
Similani caves (see Ngombeni location), 10 km S Mombasa	Kenya		39.6142;-4.1303	31 m
Tiwi, 25 km S Mombasa (see also: Mombasa, 25 km S)	Kenya		39.5833;-4.2333	5 m
Tiwi Beach, 25 km S Mombasa	Kenya		39.5833;-4.2333	2 m
Tiwi, 1 km N	Kenya	ca.	39.5667;-4.2333	
Tiwi, NW of	Kenya	ca.	39.5667;-4.2333	
Waa	Kenya		39.6028;-4.1700	

SE 04039Ac:

Lutore Forest	Kenya		39.1667;-4.3667	152 m

SE 04039Ad:

Kibuyuni area	Kenya		39.3150;-4.3991	
Kichaka Simba (see Kichakasimba)	Kenya		39.3591;-4.3491	
Kichakasimba (see also: Kichaka Simba)	Kenya		39.3591;-4.3491	
Kichakasimba hill (see also: Mrima hill)	Kenya		39.2631;-4.4853	
Kwale, 12 km S, 11 mi W	Kenya		39.3500;-4.2833	
Makandara Forest	Kenya	ca.	39.3833;-4.2500	
Makandara picnic site, Kwale, 8 km W	Kenya		39.3833;-4.2500	
Mkanda River	Kenya		39.3217;-4.4072	
Mrima hill (see Kichakasimba hill)	Kenya		39.2631;-4.4853	
Msambweni	Kenya		39.4719;-4.4636	
Mwele Forest, 12 km S, 11 km W Kwale	Kenya		39.3500;-4.2833	
Shimba Hills Settlement	Kenya		39.4155;-4.3627	

SE 04039Bc:

Diani (see also: Mobasa, 20 mi [=32 km] S, Moto cave, Mwapewa caves)	Kenya		39.5689;-4.2719	
Diani Beach (see also: Diani cave, Ndiani coast)	Kenya		39.5836;-4.3036	
Diani Beach Centre, 10 km S (see Diani Beach, 10 km S)	Kenya		39.5333;-4.3333	ca. 5 m
Diani Beach, 10 km S (see also: Diani Beach Centre, 10 km S)	Kenya		39.5333;-4.3333	
Diani cave (see Diani Beach)	Kenya		39.5836;-4.3036	

Diani Forest	Kenya	39.5333;-4.3333	
Gasi (see Gazi)	Kenya	39.5000;-4.4167	3 m
Gaze (see Gazi)	Kenya	39.5000;-4.4167	3 m
Gazi	Kenya	39.5000;-4.4167	3 m
(see also: Gasi, Gaze)			
Moana Marine Station, 1 km S, 2 km E Ukunda	Kenya	39.5833;-4.3000	
(see also: Ukunda, 1 km S, 2 km E)			
Moane, SE Ukunda	Kenya	39.5833;-4.3000	
Mobasa, 20 mi [=32 km] S (see Diani)	Kenya	39.5689;-4.2719	
Moto cave (see Diani), 20 mi [=32 km] S Mombasa	Kenya	39.5689;-4.2719	
Mwapewa caves (see Diani)	Kenya	39.5689;-4.2719	
Ndiani coast (see Diani Beach)	Kenya	39.5836;-4.3036	
Tiwi River delta	Kenya	39.5833;-4.2500	
Ukunda	Kenya	39.5667;-4.2833	8 m
Ukunda, 1 km S, 0.5 km E	Kenya	39.5667;-4.2833	
Ukunda, 1 km S, 2 km E (see Moana Marine Station)	Kenya	39.5833;-4.3000	
Ukunda, 2.5 km E	Kenya	39.5847;-4.2833	
Ukunda, 3 km E	Kenya	39.5833;-4.2833	
Ukunda, 3.5 km S, 1 km E	Kenya	39.5667;-4.3167	
Ukunda, cave	Kenya	39.5640;-4.2929	

SE 04039Cb:

Shimani (see Shimoni)	Kenya	39.3833;-4.6472	0 m
Shimoni, 50 mi S of Mombasa	Kenya	39.3833;-4.6472	0 m
(see also: Shimani)			
Shimoni area	Kenya	39.3860;-4.6439	
Shimoni cave	Kenya	39.3833;-4.6472	0 m

SE 04039Cc:

Kilulu Hill, Moa	Tanzania	39.1333;-4.7667	

SE 04039Dc:

Chonja village	Tanzania	39.7292;-4.9506	14 m
Kibatini village	Tanzania	39.7178;-4.9566	51 m
Kijijini village	Tanzania	39.6882;-4.9017	21 m
Kipangani village	Tanzania	39.7146;-4.9649	12 m
Matanga (see Matanga Twani)	Tanzania	39.7333;-4.9667	
Matanga Twani	Tanzania	39.7333;-4.9667	
(see also: Matanga, Mtanga Twani)			
Mtanga Twani (see Matanga Twani)	Tanzania	39.7333;-4.9667	
Ngezi Forest	Tanzania	39.7000;-4.9333	

SE 04039Dd:

Maziwa Ngombe	Tanzania	39.8667;-4.9833	
(see also: Maziwangombe)			
Maziwa Ngombe	Tanzania	39.8676;-4.9809	1 m
(see also: Maziwa ya Ngombe, Maziwangombe)			
Maziwa ya Ngombe (see Maziwa Ngombe)	Tanzania	39.8676;-4.9809	1 m
Maziwangombe (see Maziwa Ngombe)	Tanzania	39.8667;-4.9833	
Maziwangombe (see Maziwa Ngombe)	Tanzania	39.8676;-4.9809	1 m
Mwiti Mkuu, Pemba island	Tanzania	39.8000;-4.9167	

SE 04055Ac:

Silhouette (see Silhouette Island)	Seychelle Islands	55.2167;-4.4833	
Silhouette Island	Seychelle Islands	55.2333;-4.4833	
(see also: Silhouette)			

SE 04055Bc:

Grande Anse	Seychelle Islands	55.7167;-4.3167	
Praslin Island	Seychelle Islands	55.7333;-4.3167	

SE 04055Bd:

La Digue Island	Seychelle Islands	55.8333;-4.3500	
Marianne Island	Seychelle Islands	55.9167;-4.3333	
(see also: Marie Anne Island , Mary Anne Island)			
Marie Anne Island (see Marianne Island)	Seychelle Islands	55.9167;-4.3333	

Mary Anne Island (see Marianne Island)	Seychelle Islands		55.9167;-4.3333	

SE 04055Cb:

Dune Jean Louis (see Saint-Louis Hill)	Seychelle Islands		55.4500;-4.6167	
Mahé (see Victoria)	Seychelle Islands		55.4500;-4.6167	0 m
Mahe Island	Seychelle Islands		55.4667;-4.6667	
Port Victoria (see Victoria)	Seychelle Islands		55.4500;-4.6167	0 m
Saint-Louis Hill (see also: Dune Jean Louis)	Seychelle Islands		55.4500;-4.6167	
Val Riche (see also: Valle Riche)	Seychelle Islands	ca.	55.4305;-4.6469	400 m
Valle Riche (see Val Riche)	Seychelle Islands	ca.	55.4305;-4.6469	400 m
Victoria (see also: Mahé, Port Victoria)	Seychelle Islands		55.4500;-4.6167	0 m

SE 04055Da:

Cascade Estate	Seychelle Islands		55.5000;-4.6667	10 m

SE 04055Cd:

Anse Takamaka (see Takamaka Cove)	Seychelle Islands		55.4833;-4.7667	
Takamaka	Seychelle Islands		55.4833;-4.7667	
Takamaka Cove (see also: Anse Takamaka, Takamaka Grove)	Seychelle Islands		55.4833;-4.7667	
Takamaka Grove (see Takamaka Cove)	Seychelle Islands		55.4833;-4.7667	

SE 05012Aa:

Cacongo (see also: Guilherme Capelo, Lândana, Vila Guilherme Capelo)	Angola		12.1500;-5.2333	0 m
Chinchoxo	Angola	ca.	12.0333;-5.0667	
Guilherme Capelo (see Cacongo)	Angola		12.1500;-5.2333	0 m
Lândana (see Cacongo) (see also: Landana)	Angola		12.1500;-5.2333	0 m
Landana (see Lândana)	Angola		12.1500;-5.2333	0 m
Vila Guilherme Capelo (see Cacongo)	Angola		12.1500;-5.2333	0 m

SE 05012Bd:

Bondo, 15 km W Lukula (see also: Lukula, 15 km W)	Congo (Democratic Republic of the)		12.9000;-5.4000	
Lukula, Mayumbe area	Congo (Democratic Republic of the)		12.9500;-5.3833	196 m
Lukula, 15 km W (see Bondo)	Congo (Democratic Republic of the)		12.9000;-5.4000	

SE 05012Cd:

Banana creek	Congo (Democratic Republic of the)		12.4500;-5.9667	
Banana or Netonna	Congo (Democratic Republic of the)	ca.	12.4500;-5.9667	
Moanda (see Muanda)	Congo (Democratic Republic of the)		12.3500;-5.9333	0 m
Muanda (see also: Moanda)	Congo (Democratic Republic of the)		12.3500;-5.9333	0 m
Netonna, near Banana and mouth of Congo river	Congo (Democratic Republic of the)		12.4500;-5.9667	
Nsiamfumu (see also: Vista)	Congo (Democratic Republic of the)		12.2833;-5.8667	2 m
Vista (see Nsiamfumu)	Congo (Democratic Republic of the)		12.2833;-5.8667	2 m
Yema (see Yema Mayombe)	Congo (Democratic Republic of the)		12.2833;-5.7500	18 m
Yema Mayombe (see also: Yema)	Congo (Democratic Republic of the)		12.2833;-5.7500	18 m

SE 05012Dc:

Banana - Boma road, km 74, 25 km from coast in forest	Congo (Democratic Republic of the)		12.5167;-5.7833	

Malela, near Boma	Congo (Democratic Republic of the)		12.6167;-5.9833	2 m

SE 05012Dd:

Zambi	Congo (Democratic Republic of the)		12.8667;-5.8500	

SE 05013Aa:

Benza Masola	Congo (Democratic Republic of the)		13.0000;-5.2000	

SE 05013Ac:

Vaku	Congo (Democratic Republic of the)		13.1667;-5.2500	351 m

SE 05013Ad:

Kimvuadu, se Mayumbe territory ?	Congo (Democratic Republic of the)		13.3000;-5.2500	

SE 05013Ca:

Luki Biosphere Reserve	Congo (Democratic Republic of the)		13.2083;-5.6400	
Luki Biosphere Reserve, Forest NE of	Congo (Democratic Republic of the)	ca.	13.2083;-5.6400	
Makaia N'Tete	Congo (Democratic Republic of the)		13.0333;-5.5500	
Temvo	Congo (Democratic Republic of the)		13.0167;-5.5000	238 m

SE 05013Da:

Congo da Lemba	Congo (Democratic Republic of the)		13.6667;-5.7000	

SE 05013Db:

Lufu	Congo (Democratic Republic of the)		13.8833;-5.6667	

SE 05013Cc:

Boma, near mouth of Kongo river	Congo (Democratic Republic of the)		13.0500;-5.8500	61 m
Boma, zone	Congo (Democratic Republic of the)	ca.	13.0500;-5.8500	
Lusanga Mwanza	Congo (Democratic Republic of the)		13.0500;-5.8333	

SE 05013Cd:

Matadi (see also: Matidi)	Congo (Democratic Republic of the)		13.4500;-5.8167	18 m
Matidi (see Matadi)	Congo (Democratic Republic of the)		13.4500;-5.8167	18 m
Nóqui	Angola		13.4322;-5.8750	

SE 05014Bc:

Grotte de Mani ou grotte de Nkela de Mbumba-Nsi (see Mani cave or Nkela cave or Mbumba-Nsi)	Congo (Democratic Republic of the)		14.5333;-5.3667	
Kidada	Congo (Democratic Republic of the)		14.5333;-5.3667	
Mani cave or Nkela cave or Mbumba-Nsi (see also: Grotte de Mani ou grotte de Nkela de Mbumba-Nsi, Mani grot of Nkela grot van Mbumba-Nsi)	Congo (Democratic Republic of the)		14.5333;-5.3667	
Mani grot of Nkela grot van Mbumba-Nsi (see Mani cave or Nkela cave or Mbumba-Nsi)	Congo (Democratic Republic of the)		14.5333;-5.3667	

SE 05014Bd:

Banjan caves (see also: Banjan grotten, Grottes de Banjan, Thysville, cave, Thysville, cave b 13 a)	Congo (Democratic Republic of the)		14.8833;-5.2667	
Banjan grotten (see Banjan caves)	Congo (Democratic Republic of the)		14.8833;-5.2667	
Banza Nfinda caves (see also: Banza Nfinda grot, Grotte de Banza Nfinda)	Congo (Democratic Republic of the)		14.8667;-5.2667	ca. 611 m
Banza Nfinda grot (see Banza Nfinda caves)	Congo (Democratic Republic of the)		14.8667;-5.2667	ca. 611 m
Bossafinda	Congo (Democratic Republic of the)	ca.	14.8667;-5.2500	
Cave C.8.1 (see Mbanza-Ngungu), near Mbanza-Ngungu	Congo (Democratic Republic of the)	ca.	14.8667;-5.2500	
Cave C.8.2, near Mbanza-Ngungu	Congo (Democratic Republic of the)	ca.	14.8667;-5.2500	
Grotte de Banza Nfinda (see Banza Nfinda caves)	Congo (Democratic Republic of the)		14.8667;-5.2667	
Grottes de Banjan (see Banjan caves)	Congo (Democratic Republic of the)		14.8833;-5.2667	
Kavuaya	Congo (Democratic Republic of the)		14.8633;-5.3386	
Mbanza-Ngungu (see also: Cave C.8.1, Thysstad, Thysville)	Congo (Democratic Republic of the)		14.8667;-5.2500	604 m
Thysstad (see Mbanza-Ngungu)	Congo (Democratic Republic of the)		14.8667;-5.2500	604 m
Thysville (see Mbanza-Ngungu)	Congo (Democratic Republic of the)		14.8667;-5.2500	604 m
Thysville, cave (see Banjan caves)	Congo (Democratic Republic of the)		14.8833;-5.2667	
Thysville, cave b 12 a	Congo (Democratic Republic of the)		14.8667;-5.2667	
Thysville, cave b 13 a (see Banjan caves)	Congo (Democratic Republic of the)		14.8833;-5.2667	

SE 05014Cb:

Barafinda cave B 13 (see also: Barafinda grotte B 13)	Congo (Democratic Republic of the)		14.4667;-5.7167	
Barafinda grotte B 13 (see Barafinda cave B 13)	Congo (Democratic Republic of the)		14.4667;-5.7167	
Tamba Tamba cave b 12 (see also: Tamba Tamba grot b 12)	Congo (Democratic Republic of the)		14.4500;-5.7167	
Tamba Tamba grot b 12 (see Tamba Tamba cave b 12)	Congo (Democratic Republic of the)		14.4500;-5.7167	

SE 05014Da:

Grotte de Kele 1 (see Kele cave 1)	Congo (Democratic Republic of the)		14.6000;-5.5167	
Kele cave 1 (see also: Grotte de Kele 1, Kele grot 1)	Congo (Democratic Republic of the)		14.6000;-5.5167	
Kele grot 1 (see Kele cave 1)	Congo (Democratic Republic of the)		14.6000;-5.5167	

SE 05015Aa:

Bas Congo (former) province (see Kongo Central province)	Congo (Democratic Republic of the)	ca.	15.0000;-5.0000	
Bas Congo province (see Kongo Central province)	Congo (Democratic Republic of the)	ca.	15.0000;-5.0000	
Kisantu, near Mbanza-Ngungu	Congo (Democratic Republic of the)		15.0833;-5.1167	
Kongo Central province (see also: Bas Congo (former) province, Bas Congo province)	Congo (Democratic Republic of the)	ca.	15.0000;-5.0000	
Mayumbe	Congo (Democratic Republic of the)	ca.	15.0000;-5.0000	

SE 05015Ac:

Maunzi (see also: Mavunzi, Mawunzi, Mvuazi)	Congo (Democratic Republic of the)	15.1167;-5.3167	547 m
Mavunzi (see Maunzi)	Congo (Democratic Republic of the)	15.1167;-5.3167	547 m
Mawunzi (see Maunzi)	Congo (Democratic Republic of the)	15.1167;-5.3167	547 m
Mvuazi (see Maunzi)	Congo (Democratic Republic of the)	15.1167;-5.3167	547 m

SE 05016Da:

Popokabaka, via Inkisi	Congo (Democratic Republic of the)	16.5833;-5.7000	485 m
Popokabaka territory	Congo (Democratic Republic of the)	16.5833;-5.7000	

SE 05018Bb:

Athens Mission	Congo (Democratic Republic of the)	18.8167;-5.0333	
Kakoi, near Kikwit	Congo (Democratic Republic of the)	18.9328;-5.1031	451 m
Kikwit (see also: Kikwit ITPK)	Congo (Democratic Republic of the)	18.8772;-5.0622	438 m
Kikwit ITPK (see Kikwit)	Congo (Democratic Republic of the)	18.8772;-5.0622	438 m
Mbalaka (plantation), near Kikwit	Congo (Democratic Republic of the)	18.8833;-5.0000	
Mbwambala, near Kikwit	Congo (Democratic Republic of the)	18.9167;-5.0500	
Menga, near Kikwit	Congo (Democratic Republic of the)	18.8500;-5.0500	
Mission Sacre Coeur (see Sacred Heart mission), near Kikwit	Congo (Democratic Republic of the)	18.8464;-5.0287	
Mwebe bridge, near Kikwit	Congo (Democratic Republic of the)	18.8375;-5.0472	
Sacred Heart mission, near Kikwit (see also: Mission Sacre Coeur)	Congo (Democratic Republic of the)	18.8464;-5.0287	
Trappist mission, near Kikwit	Congo (Democratic Republic of the)	18.8532;-5.0377	

SE 05018Bc:

Mungamba	Congo (Democratic Republic of the)	18.5833;-5.4667	586 m

SE 05019Aa:

Kimbinga market	Congo (Democratic Republic of the)	19.0500;-5.1333	585 m
Luanu	Congo (Democratic Republic of the)	19.1333;-5.2167	

SE 05019Dd:

Kilembe, 52 mi [=84 km] S	Congo (Democratic Republic of the)	19.9000;-5.7833	

SE 05020Db:

Kabambaie [river]	Congo (Democratic Republic of the)	20.8167;-5.7333	

SE 05021Ac:

Macaco	Congo (Democratic Republic of the)	21.1667;-5.4667	

SE 05021Ad:

Luebo	Congo (Democratic Republic of the)	21.4167;-5.3500	478 m

SE 05021Cb:

Luebo territory	Congo (Democratic Republic of the)	21.4167;-5.6000	

SE 05021Dc:

Katende chute (see Katende falls), 30 km Luluabourg [=Kananga]	Congo (Democratic Republic of the)	21.6667;-5.7667	647 m
Katende falls, 30 km Luluabourg [=Kananga] (see also: Katende chute, Katende waterval)	Congo (Democratic Republic of the)	21.6667;-5.7667	647 m
Katende waterval (see Katende falls), 30 km Luluabourg [=Kananga]	Congo (Democratic Republic of the)	21.6667;-5.7667	647 m

SE 05022Ad:

Cinputu (see also: Tschinputu)	Congo (Democratic Republic of the)	22.3500;-5.3667	
Tschinputu (see Cinputu)	Congo (Democratic Republic of the)	22.3500;-5.3667	

SE 05022Cb:

Demba territory	Congo (Democratic Republic of the)	22.2667;-5.5000	
Mudina (see Ndemba)	Congo (Democratic Republic of the)	22.2667;-5.5000	
Mudina Ndemba (see Ndemba)	Congo (Democratic Republic of the)	22.2667;-5.5000	
Ndemba (see also: Mudina, Mudina Ndemba)	Congo (Democratic Republic of the)	22.2667;-5.5000	
Tshibungu	Congo (Democratic Republic of the)	22.2658;-5.6261	608 m

SE 05022Cc:

Tshibashi (river) (see also: Tshibashie (river))	Congo (Democratic Republic of the)	22.1333;-5.7500	
Tshibashie (river) (see Tshibashi (river))	Congo (Democratic Republic of the)	22.1333;-5.7500	

SE 05022Cd:

Kananga (see also: Lulua, Luluabourg, Luluaburg, Mission St Joseph)	Congo (Democratic Republic of the)	22.4178;-5.8958	608 m
Lulua (see Kananga)	Congo (Democratic Republic of the)	22.4178;-5.8958	608 m
Luluabourg (see Kananga)	Congo (Democratic Republic of the)	22.4178;-5.8958	608 m
Luluabourg, gorge	Congo (Democratic Republic of the)	ca. 22.4333;-5.8833	
Luluaburg (see Kananga)	Congo (Democratic Republic of the)	22.4178;-5.8958	608 m
Malandje (see Malandji)	Congo (Democratic Republic of the)	22.2992;-5.9394	608 m
Malandji (see also: Malandje, Malanji)	Congo (Democratic Republic of the)	22.2992;-5.9394	608 m
Malanji (see Malandji)	Congo (Democratic Republic of the)	22.2992;-5.9394	608 m
Matamba	Congo (Democratic Republic of the)	22.2656;-5.9492	619 m
Mbawu	Congo (Democratic Republic of the)	22.4167;-5.9000	
Mission St Joseph (see Kananga)	Congo (Democratic Republic of the)	22.4178;-5.8958	608 m
Nganza river, near Luluabourg	Congo (Democratic Republic of the)	ca. 22.3611;-5.9503	

Nshamba, near Kanaga, ? Mueka territory	Congo (Democratic Republic of the)	22.4333;-5.8833	
Tshibasha, near Kananga	Congo (Democratic Republic of the)	22.4167;-5.8333	
Tshimputu	Congo (Democratic Republic of the)	22.3167;-5.8000	

SE 05022Dc:

Ba Balaye	Congo (Democratic Republic of the)	22.5000;-5.8333	
Beyi - Kalonji	Congo (Democratic Republic of the)	22.5000;-5.8167	
Kasende	Congo (Democratic Republic of the)	22.5383;-5.9489	619 m
Lukonga	Congo (Democratic Republic of the)	22.6167;-5.8000	632 m

SE 05023Bb:

Kabinda, 129 km NNW (see Kaseu)	Congo (Democratic Republic of the)	23.8500;-5.1833	
Kaseu, Pania Mutumbo, on right bank of Sankuru River, 129 km NNW Kabinda (see also: Kabinda, 129 km NNW)	Congo (Democratic Republic of the)	23.8500;-5.1833	
Pania-Mutombo	Congo (Democratic Republic of the)	23.8500;-5.1833	407 m
Pania-Mutombo (see Pania-Mutombo) (see also: Pania-Mutombo)	Congo (Democratic Republic of the)	23.8500;-5.1833	407 m

SE 05023Ca:

Dembelenge (see Dimbelenge)	Congo (Democratic Republic of the)	23.1167;-5.5500	682 m
Dimbelenge (see also: Dembelenge)	Congo (Democratic Republic of the)	23.1167;-5.5500	682 m

SE 05023Cb:

Fwa meer (see Fwa, lake)	Congo (Democratic Republic of the)	23.4167;-5.7167	
Fwa, lake (see also: Fwa meer, Lac Fwa, Lake Fwa)	Congo (Democratic Republic of the)	23.4167;-5.7167	
Kasonga-Banze (see also: Kasongo Baza, Kasongo-Banze)	Congo (Democratic Republic of the)	23.4000;-5.6000	532 m
Kasongo Baza (see Kasonga-Banze)	Congo (Democratic Republic of the)	23.4000;-5.6000	532 m
Kasongo-Banze (see Kasonga-Banze)	Congo (Democratic Republic of the)	23.4000;-5.6000	532 m
Lac Fwa (see Fwa, lake)	Congo (Democratic Republic of the)	23.4167;-5.7167	
Lake Fwa (see Fwa, lake)	Congo (Democratic Republic of the)	23.4167;-5.7167	

SE 05026Aa:

Kasaka	Congo (Democratic Republic of the)	26.1500;-5.1167	618 m

SE 05027Ac:

Kongolo	Congo (Democratic Republic of the)	27.0000;-5.4167	

SE 05028Dc:

Kakonda	Congo (Democratic Republic of the)	28.7000;-5.8333	800 m

SE 05029Aa:

Kabobo, mount (see also: Mount Kabobo)	Congo (Democratic Republic of the)	29.0000;-5.0667	2440 m

Misotschi-Kabogo Highlands	Congo (Democratic Republic of the)	29.0656;-5.1053	1880 m
Mount Kabobo (see Kabobo, mount)	Congo (Democratic Republic of the)	29.0000;-5.0667	2440 m

SE 05029Cc:

Albertstad (see Kalemie)	Congo (Democratic Republic of the)	29.2000;-5.9333	763 m
Albertville (see Kalemie)	Congo (Democratic Republic of the)	29.2000;-5.9333	763 m
Albertville-Moba (road?) (see Kalemie-Moba (road?))	Congo (Democratic Republic of the)	29.0167;-5.9500	
Kalemi (see Kalemie)	Congo (Democratic Republic of the)	29.2000;-5.9333	763 m
Kalemie (see also: Albertstad, Albertville, Kalemi)	Congo (Democratic Republic of the)	29.2000;-5.9333	763 m
Kalemie territory	Congo (Democratic Republic of the)	29.2000;-5.9333	
Kalemie-Moba (road?) (see also: Albertville-Moba (road?))	Congo (Democratic Republic of the)	29.0167;-5.9500	

SE 05030Ba:

Ugala River	Tanzania	30.7000;-5.1333	

SE 05030Ca:

Kigoma district	Tanzania	30.0000;-5.5000	

SE 05032Aa:

Urambo	Tanzania	32.0500;-5.0667	1108 m

SE 05032Bb:

Tabora	Tanzania	32.8000;-5.0167	1212 m

SE 05032Bc:

Mwanasomano's, 35 mi [=56 km] S Tabora (see also: Mwansomanos, Tabora, 35 mi [=56 km] S)	Tanzania	ca. 32.7118;-5.4219	
Mwansomanos (see Mwanasomano's), 35 mi [=56 km] S Tabora	Tanzania	ca. 32.7118;-5.4219	
Tabora, 35 mi [=56 km] S (see Mwanasomano's)	Tanzania	ca. 32.7118;-5.4219	

SE 05032Da:

Igalula	Tanzania	32.6333;-5.6333	1113 m

SE 05034Bb:

Ikungi, Singida	Tanzania	34.7667;-5.1333	1532 m

SE 05034Bd:

Issuna (see also: Isuna, Suna)	Tanzania	34.7667;-5.3833	1423 m
Isuna (see Issuna)	Tanzania	34.7667;-5.3833	1423 m
Suna (see Issuna)	Tanzania	34.7667;-5.3833	1423 m

SE 05034Db:

Saranda (see also: Savanda)	Tanzania	34.9833;-5.7167	1074 m
Savanda (see Saranda)	Tanzania	34.9833;-5.7167	1074 m

SE 05034Dd:

Kilimatinde hospital, near Manyoni	Tanzania	34.9619;-5.8328	
Manjoni (see Manyoni)	Tanzania	34.8333;-5.7500	1276 m

Manyoni (see also: Manjoni)	Tanzania	34.8333;-5.7500	1276 m

SE 05035Ab:

Kwa Mtoro, Kilimatinde, Singida	Tanzania	35.4333;-5.2333	1214 m

SE 05035Ad:

Sandawe (see Usandawe)	Tanzania	35.3333;-5.2500	1200 m
Usandawe (see also: Sandawe)	Tanzania	35.3333;-5.2500	1200 m

SE 05037Aa:

Kondoa, 100 mi [=160 km] E (see Kujungu)	Tanzania	37.1001;-5.2489	
Kujungu (see also: Kondoa, 100 mi [=160 km] E)	Tanzania	37.1001;-5.2489	

SE 05037Ad:

Gombero, ca 6 km S, 2.5 km E (see Nguru North Forest Reserve)	Tanzania	37.4642;-5.4793	
Nguru North Forest Reserve, approx 6 km S, 2.5 km E Gombero (see also: Gombero, ca 6 km S, 2.5 km E)	Tanzania	37.4642;-5.4793	

SE 05038Ab:

Ambangulu Estate	Tanzania	38.4333;-5.0833	
Korogwe (see also: Nkologwe)	Tanzania	38.4833;-5.1500	301 m
Korogwe district	Tanzania	38.4167;-5.0000	
Marienhof, Wugiri	Tanzania	38.4833;-5.1000	
Nkologwe (see Korogwe)	Tanzania	38.4833;-5.1500	301 m

SE 05038Ba:

Amani	Tanzania	38.6333;-5.1000	
Amani Chemka	Tanzania	38.6333;-5.1000	
Amani Nature Forest Reserve, NW-side	Tanzania	38.5806;-5.1256	945 m
Amani West Forest Reserve	Tanzania	38.6333;-5.1000	3000 ft
Amani, 4.5 km ESE (see Monga Tea Estate)	Tanzania	38.6000;-5.1000	
Amani, 4.5 km WNW	Tanzania	ca. 38.6333;-5.1000	
Amani, 8 km NWN	Tanzania	ca. 38.6333;-5.1000	
Amani, 8 km NWN (see Bulwa Tea Estate)	Tanzania	38.6333;-5.0000	1000 m
Amani-Sigi Forest Reserve	Tanzania	38.6500;-5.1167	635 m
Bulwa Tea Estate, 8 km NWN Amani (see also: Amani, 8 km NWN)	Tanzania	38.6333;-5.0000	1000 m
Kiserui (see Kizerui)	Tanzania	38.5462;-5.0270	
Kizerui (see also: Kiserui)	Tanzania	38.5462;-5.0270	
Korogwe, 12.5 km NW	Tanzania	ca. 38.5000;-5.1333	
Kwamkoro [Forest Reserve] (see Kwamkoro-Kwamsambia Forest Reserve)	Tanzania	38.6000;-5.1667	590 m
Kwamkoro-Kwamsambia Forest Reserve, Nenguruwe River (see also: Kwamkoro [Forest Reserve])	Tanzania	38.6000;-5.1667	590 m
Longuza North Forest Reserve	Tanzania	38.6833;-5.0667	
Monga Tea Estate, 4.5 km ESE Amani (see also: Amani, 4.5 km ESE)	Tanzania	38.6000;-5.1000	
Tanga, 3 mi [=4.8 km] N (see Ambani caves)	Tanzania	38.6250;-5.1250	

SE 05038Bb:

Magrotto Estate	Tanzania	38.7500;-5.1167	
Magrotto Hill (see also: Magrotto mountains)	Tanzania	38.7500;-5.1167	
Magrotto mountains (see Magrotto Hill)	Tanzania	ca. 38.7500;-5.1167	
Manga Forest Reserve	Tanzania	38.7667;-5.0167	110 m
Mubeza (see Muheza), Usambara Mountains	Tanzania	38.7833;-5.1667	261 m
Muheza, Usambara Mountains (see also: Mubeza)	Tanzania	38.7833;-5.1667	261 m
Muheza district	Tanzania	38.9167;-5.0000	

SE 05038Bc:

Great Pangani Falls (see Pangani Falls)	Tanzania		38.6500;-5.3500	
Muheza Forest (see also: Tongwe Forest Reserve)	Tanzania		38.7289;-5.3056	
Pangani Falls (see also: Great Pangani Falls)	Tanzania		38.6500;-5.3500	
Tongwe Forest Reserve (see Muheza Forest)	Tanzania		38.7289;-5.3056	

SE 05038Bd:

Kichanjane (see Kichanjani)	Tanzania		38.9833;-5.4500	0 m
Kichanjani (see also: Kichanjane)	Tanzania		38.9833;-5.4500	0 m
Pangani river	Tanzania		38.9667;-5.4333	

SE 05038Ca:

Handeni district	Tanzania		38.0000;-5.5000	
Magamba	Tanzania		38.0833;-5.5333	1524 m

SE 05038Da:

Genda Genda South Forest Reserve, 30 km SW Pangani (see also: Gendagenda South Forest Reserve, Pangani, 30 km SW)	Tanzania		38.6333;-5.5667	
Gendagenda South Forest Reserve (see Genda Genda South Forest Reserve), 30 km SW Pangani	Tanzania		38.6333;-5.5667	
Pangani, 30 km SW (see Genda Genda South Forest Reserve)	Tanzania		38.6333;-5.5667	

SE 05038Dd:

Mkwaja Ranch Forests	Tanzania		38.7833;-5.8667	

SE 05039Aa:

Ambani caves, 3 mi N Tanga (see also: Tanga, 3 mi [=4.8 km] N)	Tanzania		39.0500;-5.0667	
Amboni	Tanzania		39.0500;-5.0667	
Amboni Cave Forest (see Mkulumuzi River Gorge), 2.5 km W Tanga	Tanzania		39.0500;-5.0667	36 m
Amboni caves, 3 mi N Tanga (see also: Mkulumuzi caves, Siga caves)	Tanzania		39.0500;-5.0667	
Kulumusi caves (see Kulumuzi caves) (see also: Kulumuzi caves)	Tanzania		39.1000;-5.0667	
Kulumuzi caves (see also: Kulumusi caves, Mkulumsi)	Tanzania		39.1000;-5.0667	
Kulumuzi caves (see Kulumusi caves)	Tanzania		39.1000;-5.0667	
Longa (see Tanga)	Tanzania		39.1000;-5.0667	0 m
Mkulumsi (see Kulumuzi caves)	Tanzania		39.1000;-5.0667	
Mkulumuzi caves (see Amboni caves), 3 mi N Tanga	Tanzania		39.0500;-5.0667	
Mkulumuzi River Gorge, 2.5 km W Tanga (see also: Amboni Cave Forest, Tanga, 2.5 km W)	Tanzania		39.0500;-5.0667	36 m
Siga caves (see Amboni caves), 3 mi N Tanga	Tanzania		39.0500;-5.0667	
Sigi river	Tanzania		39.0667;-5.0500	
Tanga (see also: Longa)	Tanzania		39.1000;-5.0667	0 m
Tanga, 2.5 km W (see Mkulumuzi River Gorge)	Tanzania		39.0500;-5.0667	36 m
Tanga, hole/cave near	Tanzania	ca.	39.1000;-5.0667	
Tanga, near	Tanzania	ca.	39.1000;-5.0667	
Usagara (see also: Ussagara)	Tanzania		39.1167;-5.0833	0 m
Ussagara (see Usagara)	Tanzania		39.1167;-5.0833	0 m

SE 05039Ba:

Fondo Island (see Fundo Island)	Tanzania		39.6500;-5.0500	
Fundo Island (see also: Fondo Island)	Tanzania		39.6500;-5.0500	
Mgogoni	Tanzania		39.7333;-5.0000	0 m

Wete	Tanzania		39.7167;-5.0667	0 m
(see also: Wetu)				
Wetu (see Wete)	Tanzania		39.7167;-5.0667	0 m

SE 05039Bb:

El Huthera island (see Pemba island)	Tanzania		39.8000;-5.1667	
Kideke	Tanzania		39.8306;-5.1723	
Maruwa Jongo cave	Tanzania	ca.	39.7500;-5.1167	
Mbuyuni village	Tanzania		39.7500;-5.1167	
Mkvani	Tanzania	ca.	39.7774;-5.0663	
Ole	Tanzania		39.8167;-5.1833	1 m
Pemba island	Tanzania		39.8000;-5.1667	
(see also: El Huthera island)				
Pemba North Region	Tanzania		39.8000;-5.0833	

SE 05039Bc:

Fufuni	Tanzania		39.6833;-5.4333	0 m
Kobani (see Mkoani)	Tanzania		39.6500;-5.3667	0 m
Mizi Miombe Hill	Tanzania		39.7000;-5.3833	
Mkanyageni	Tanzania		39.6667;-5.4000	
(see also: Mkanyagini)				
Mkanyagini (see Mkanyageni)	Tanzania		39.6667;-5.4000	
Mkoani	Tanzania		39.6500;-5.3667	0 m
(see also: Kobani)				
Tundau (see Tundaua)	Tanzania		39.7000;-5.2500	0 m
Tundaua	Tanzania		39.7000;-5.2500	0 m
(see also: Tundau)				

SE 05039Bd:

Chake Chake	Tanzania		39.7667;-5.2500	1 m
(see also: Chakechake, Chaki Chaki)				
Chakechake (see Chake Chake)	Tanzania		39.7667;-5.2500	1 m
Chaki Chaki (see Chake Chake)	Tanzania		39.7667;-5.2500	1 m
Chuaka	Tanzania		39.7833;-5.3833	0 m
Mwanamakuku cave (see Pujini village)	Tanzania		39.8000;-5.3000	1 m
Pujini village	Tanzania		39.8000;-5.3000	1 m
(see also: Mwanamakuku cave)				

SE 05039Cc:

Bumbwini	Tanzania		39.2000;-5.9667	0 m
Bumbwini	Tanzania		39.1833;-5.9667	
Tumbatu Island, Zanzibar	Tanzania		39.2167;-5.8167	
(see also: Tumpatu Island)				
Tumpatu Island (see Tumbatu Island), Zanzibar	Tanzania		39.2167;-5.8167	

SE 05039Cd:

Kiwenga	Tanzania		39.3765;-5.9901	
Kiwenga, near	Tanzania	ca.	39.3765;-5.9901	16 m
Kokotoni (see Mkokotoni), Zanzibar	Tanzania		39.2500;-5.8667	0 m
Mkokotoni, Zanzibar	Tanzania		39.2500;-5.8667	0 m
(see also: Kokotoni)				
Pashuni cave	Tanzania		39.3114;-5.8777	55 m

SE 06012Ab:

Banana	Congo (Democratic Republic of the)		12.4000;-6.0167	0 m
(see also: Banane)				
Banane (see Banana)	Congo (Democratic Republic of the)		12.4000;-6.0167	0 m

SE 06012Ba:

Mouth of Congo	Congo (Democratic Republic of the)	ca.	12.5000;-6.0000	

SE 06013Cc:

Loango (see Luango)	Angola		13.1000;-6.8500	258 m

Luango (see also: Loango)	Angola	13.1000;-6.8500	258 m

SE 06016Db:

Bongolo Mission	Congo (Democratic Republic of the)	16.7667;-6.6000	383 m
Kasanga	Congo (Democratic Republic of the)	16.9167;-6.5000	

SE 06017Ad:

Kwango	Congo (Democratic Republic of the)	17.4486;-6.4706	1020 m

SE 06017Db:

Kwango province	Congo (Democratic Republic of the)	ca. 17.7667;-6.5000	

SE 06018Ba:

Bongale	Congo (Democratic Republic of the)	18.6833;-6.0000	

SE 06019Ba:

Bala (see Bata)	Congo (Democratic Republic of the)	19.6667;-6.0167	590 m
Bata (see also: Bala)	Congo (Democratic Republic of the)	19.6667;-6.0167	590 m

SE 06020Ad:

Kitangua	Congo (Democratic Republic of the)	20.3333;-6.2833	649 m

SE 06020Bd:

Chikapa (see Tshikapa)	Congo (Democratic Republic of the)	20.8000;-6.4167	485 m
Tshikapa (see also: Chikapa)	Congo (Democratic Republic of the)	20.8000;-6.4167	485 m
Tshikapa territory	Congo (Democratic Republic of the)	20.8000;-6.4167	

SE 06020Da:

Gombe (see Ngombe)	Congo (Democratic Republic of the)	20.7000;-6.5833	528 m
Ngombe (see also: Gombe, N'gombe)	Congo (Democratic Republic of the)	20.7000;-6.5833	528 m
N'gombe (see Ngombe)	Congo (Democratic Republic of the)	20.7000;-6.5833	528 m

SE 06021Ab:

Kamuesha (see also: Kamueshi, Kamwesha)	Congo (Democratic Republic of the)	21.4333;-6.2000	608 m
Kamueshi (see Kamuesha)	Congo (Democratic Republic of the)	21.4333;-6.2000	608 m
Kamwesha (see Kamuesha)	Congo (Democratic Republic of the)	21.4333;-6.2000	608 m
Katabayi	Congo (Democratic Republic of the)	21.3333;-6.1833	

SE 06021Ac:

Biakabomba	Congo (Democratic Republic of the)	21.0333;-6.4500	608 m

SE 06022Aa:

Kasai	Congo (Democratic Republic of the)	ca.	22.0000;-6.0000	
Kasai, eastern	Congo (Democratic Republic of the)	ca.	22.0000;-6.0000	

SE 06022Ab:

Kabwe, 50 km SW Kananga (see also: Kananga, 50 km SW, Luluaburg, 50 km SW)	Congo (Democratic Republic of the)		22.3833;-6.2000	610 m
Kananga, 50 km SW (see Kabwe)	Congo (Democratic Republic of the)		22.3833;-6.2000	610 m
Luluaburg, 50 km SW (see Kabwe)	Congo (Democratic Republic of the)		22.3833;-6.2000	610 m
Mikalaie (mission) (see Mikalaya)	Congo (Democratic Republic of the)		22.3167;-6.0167	608 m
Mikalaya (see also: Mikalaie (mission), Mikalaya missie, Mikalaya mission, Mission de Mikalaya, Saint Joseph de Luluabourg (mission), Saint-Joseph (misson), St Joseph mission, St. Jos. (misson), St. Joseph de Luluabourg mission)	Congo (Democratic Republic of the)		22.3167;-6.0167	608 m
Mikalaya missie (see Mikalaya)	Congo (Democratic Republic of the)		22.3167;-6.0167	608 m
Mikalaya mission (see Mikalaya)	Congo (Democratic Republic of the)		22.3167;-6.0167	608 m
Mission de Mikalaya (see Mikalaya)	Congo (Democratic Republic of the)		22.3167;-6.0167	
Saint Joseph de Luluabourg (mission) (see Mikalaya)	Congo (Democratic Republic of the)		22.3167;-6.0167	608 m
Saint-Joseph (misson) (see Mikalaya)	Congo (Democratic Republic of the)		22.3167;-6.0167	608 m
St Joseph mission (see Mikalaya)	Congo (Democratic Republic of the)		22.3167;-6.0167	608 m
St. Jos. (misson) (see Mikalaya)	Congo (Democratic Republic of the)		22.3167;-6.0167	608 m
St. Joseph de Luluabourg mission (see Mikalaya)	Congo (Democratic Republic of the)		22.3167;-6.0167	608 m

SE 06022Da:

Lubondaie-Tshimbulu (see also: Lubondai-Tshimbulu)	Congo (Democratic Republic of the)		22.6500;-6.5667	794 m
Lubondai-Tshimbulu (see Lubondaie-Tshimbulu)	Congo (Democratic Republic of the)		22.6500;-6.5667	794 m

SE 06022Db:

Kamponde	Congo (Democratic Republic of the)		22.9333;-6.7000	829 m

SE 06023Ab:

Kalondji (see Kalongi)	Congo (Democratic Republic of the)		23.3833;-6.2333	799 m
Kalongi (see also: Kalondji, Kalonji)	Congo (Democratic Republic of the)		23.3833;-6.2333	799 m
Kalonji (see Kalongi)	Congo (Democratic Republic of the)		23.3833;-6.2333	799 m

SE 06023Ba:

Bakwanga (see Mbuji-Mayi)	Congo (Democratic Republic of the)		23.6000;-6.1500	549 m
Mbuji-Mayi (see also: Bakwanga, Mbuy Mayi)	Congo (Democratic Republic of the)		23.6000;-6.1500	549 m
Mbuji-Mayi, 32 km SE	Congo (Democratic Republic of the)	ca.	23.6000;-6.1500	
Mbuy Mayi (see Mbuji-Mayi)	Congo (Democratic Republic of the)		23.6000;-6.1500	549 m

SE 06023Cb:

Mukwaya	Congo (Democratic Republic of the)	23.4333;-6.5333	

SE 06023Da:

Kabanga	Congo (Democratic Republic of the)	23.6700;-6.6700	

SE 06023Dc:

Bena-Kaniki (see Kaniki Kapangu)	Congo (Democratic Republic of the)	23.5167;-6.7500	805 m
Kaniki (see Kaniki Kapangu)	Congo (Democratic Republic of the)	23.5167;-6.7500	805 m
Kaniki Kapangu (see also: Bena-Kaniki, Kaniki, Mutembu Kaniki Kapangu)	Congo (Democratic Republic of the)	23.5167;-6.7500	805 m
Mutembu Kaniki Kapangu (see Kaniki Kapangu)	Congo (Democratic Republic of the)	23.5167;-6.7500	805 m

SE 06023Dd:

Bena Mbala	Congo (Democratic Republic of the)	23.7833;-6.8000	
Gandajika	Congo (Democratic Republic of the)	23.9500;-6.7500	806 m

SE 06024Ab:

Kabinda	Congo (Democratic Republic of the)	24.4833;-6.1333	842 m
Kabinda territory	Congo (Democratic Republic of the)	24.4833;-6.1333	

SE 06024Db:

Kasuo cave Kabwe ka	Congo (Democratic Republic of the)	24.9667;-6.6167	

SE 06026Bb:

Kabalo	Congo (Democratic Republic of the)	26.9167;-6.0500	530 m
Kabalo territory	Congo (Democratic Republic of the)	26.9167;-6.0500	

SE 06026Dd:

Ankoro	Congo (Democratic Republic of the)	26.9500;-6.7500	

SE 06029Aa:

Tanganyika, Congo shore of lake	Congo (Democratic Republic of the)	ca. 29.1833;-6.0000	

SE 06029Bb:

Kalilani village	Tanzania	29.7522;-6.0176	785 m
Kangwena	Tanzania	29.7939;-6.1317	780 m
Kunguë Hill summit, 0.5 km NW (see Nkungwe Hill summit, 0.5 km NW)	Tanzania	29.7790;-6.1043	2100 m
Kungwe Hille summit, 0.5 km NW (see Nkungwe Hill summit, 0.5 km NW)	Tanzania	29.7790;-6.1043	
Mahale Mountains National Park	Tanzania	29.9487;-6.2061	
Matema village	Tanzania	29.7939;-6.1317	
Nkungwe Hill summit, 0.5 km NW (see also: Kunguë Hill summit, 0.5 km NW, Kungwe Hille summit, 0.5 km NW)	Tanzania	29.7790;-6.1043	2100 m

SE 06029Cb:

Tembwe	Congo (Democratic Republic of the)		29.3667;-6.5000	1055 m

SE 06029Da:

Kikango, km 35 on route Moba Mplala (see also: Moba - Mplala road, km 35)	Congo (Democratic Republic of the)		29.5000;-6.6167	
Marungu, Qua Mpala [=Lualaba]	Congo (Democratic Republic of the)		29.5167;-6.7167	
Moba - Mplala road, km 35 (see Kikango)	Congo (Democratic Republic of the)		29.5000;-6.6167	

SE 06029Dc:

Grotte de Lukatu (see Ntoto cave)	Congo (Democratic Republic of the)		29.7167;-6.9833	827 m
Lukatu cave (see Ntoto cave)	Congo (Democratic Republic of the)		29.7167;-6.9833	827 m
Lukatu grot (see Ntoto cave)	Congo (Democratic Republic of the)		29.7167;-6.9833	827 m
Mpala	Congo (Democratic Republic of the)		29.5167;-6.7500	774 m
Ntoto cave (see also: Grotte de Lukatu, Lukatu cave, Lukatu grot)	Congo (Democratic Republic of the)		29.7167;-6.9833	827 m

SE 06030Cb:

Mkangasi	Tanzania	ca.	30.3089;-6.6264	

SE 06030Cd:

Karema	Tanzania		30.4333;-6.8167	785 m

SE 06031Da:

Mpanda district	Tanzania		31.5000;-6.5000	

SE 06031Cd:

Konongo, near Lake Rukwa	Tanzania	ca.	31.4167;-6.7500	

SE 06036Ab:

Dodoma, 97 km E (see Kongwa)	Tanzania		36.4167;-6.2000	1135 m
Kongwa, 97 km E Dodoma (see also: Dodoma, 97 km E)	Tanzania		36.4167;-6.2000	1135 m

SE 06036Ad:

Gulube Station, Mpwapwa	Tanzania		36.4167;-6.4500	780 m
Gulwe Station, Mpwapwa	Tanzania		36.4167;-6.4500	780 m
Mpapua (see Mpwapwa)	Tanzania		36.4833;-6.3500	970 m
Mpapwa (see Mpwapwa)	Tanzania		36.4833;-6.3500	970 m
Mpwapwa (see also: Mpapua, Mpapwa)	Tanzania		36.4833;-6.3500	970 m

SE 06036Cb:

Central Mpwapwa	Tanzania		36.4167;-6.6667	

SE 06036Db:

Mwasa	Tanzania		36.7500;-6.6667	627 m

SE 06036Cd:

Itende	Tanzania		36.3833;-6.7667	1532 m

SE 06036Dc:

Chugu Peak, near	Tanzania		36.5719;-6.8336	
Mwofwomero Forest	Tanzania		36.5720;-6.8337	1900 m
Rubeho mountains	Tanzania		36.5000;-6.9167	

SE 06036Dd:

Ilonga Research and Training Centre	Tanzania		36.9833;-6.8500	
Imbala, near Kilosa	Tanzania		36.9833;-6.8500	
Kilosa (see also: Kilossa)	Tanzania		36.9833;-6.8333	572 m
Kilossa (see Kilosa)	Tanzania		36.9833;-6.8333	572 m
Kiraboga	Tanzania		36.9833;-6.8500	
Mbala	Tanzania		36.9833;-6.8333	572 m

SE 06037Ba:

Manyangu Forest Reserve, 8 km N, 3 km W Mhonda (see also: Mhonda, 8 km N, 3 km W)	Tanzania		37.5472;-6.0472	1000 m
Mhonda, 6 km N, 6 km W (see Nguru South Forest Reserve)	Tanzania		37.5236;-6.0639	1500 m
Mhonda, 8 km N, 3 km W (see Manyangu Forest Reserve)	Tanzania		37.5472;-6.0472	
Nguru Mountains	Tanzania		37.5000;-6.0000	
Nguru South Forest Reserve, 6 km N, 6 km W Mhonda (see also: Mhonda, 6 km N, 6 km W)	Tanzania		37.5236;-6.0639	1500 m
Turiani	Tanzania		37.6000;-6.1500	458 m

SE 06037Ad:

Makuya (see Mkundi)	Tanzania		37.3833;-6.3167	536 m
Mkundi (see also: Makuya)	Tanzania		37.3833;-6.3167	536 m

SE 06037Cc:

Kilosa, near (see also: Kilossa, weitere Umgebung)	Tanzania	ca.	37.0000;-6.8167	
Kilossa, weitere Umgebung (see Kilosa, near), Deutsch Ost Afrika [=German East Africa]	Tangayika, Tanzania	ca.	37.0000;-6.8167	

SE 06037Cd:

Tindiga, Kilosa	Tanzania		37.3333;-6.9167	

SE 06037Dc:

Kugulwira	Tanzania		37.6667;-6.8000	
Mgudeni	Tanzania		37.6667;-6.8167	
Moringside (see also: Morningside)	Tanzania		37.6667;-6.8833	4000 ft
Morningside (see Moringside)	Tanzania		37.6667;-6.8833	4000 ft
Morogoro (see also: Mrogoro, Murogoro, Norogoro)	Tanzania		37.6667;-6.8167	510 m
Morogoro	Tanzania		37.6667;-6.8000	560 m
Morogoro, 20 mi [=32 km] N	Tanzania		37.6667;-6.8000	
Morogoro, near	Tanzania	ca.	37.6667;-6.8000	
Mrogoro (see Morogoro)	Tanzania		37.6667;-6.8167	510 m
Murogoro (see Morogoro)	Tanzania		37.6667;-6.8167	510 m
Ngambaula Forest Reserve	Tanzania		37.7333;-6.9833	
Norogoro (see Morogoro)	Tanzania		37.6667;-6.8167	510 m
Tegetero, 3 km W, 1.3 km N (see Uluguru North Forest Reserve)	Tanzania		37.7000;-6.9167	
Uluguru North Forest Reserve, 3 km W, 1.3 km N Tegetero (see also: Tegetero, 3 km W, 1.3 km N)	Tanzania		37.7000;-6.9167	1345 m

SE 06037Dd:

Kinole, N slope Uluguru mountains	Tanzania		37.7667;-6.9000	739 m
Milaliwila Forest Reserve	Tanzania		37.7500;-6.9833	
Mkungwe Forest Reserve	Tanzania		37.9167;-6.8667	

Morogoro district	Tanzania		37.7500;-6.8333	

SE 06038Ba:

Kiono-Zaraninge Forest Reserve (see also: Zaraninge-Kiano forest reserve)	Tanzania	ca.	38.6000;-6.1333	
Zaraninge-Kiano forest reserve (see Kiono-Zaraninge Forest Reserve), SW Sadani	Tanzania	ca.	38.6000;-6.1333	

SE 06038Bc:

Bagamoyo district	Tanzania		38.5000;-6.3333	

SE 06038Bd:

Bagamojo (see Bagamoyo)	Tanzania		38.9000;-6.4333	
Bagamoyo (see also: Bagamojo)	Tanzania		38.9000;-6.4333	

SE 06038Db:

Zinga, Kilwa	Tanzania		38.9833;-6.5167	24 m

SE 06038Cc:

Kidugallo	Tanzania		38.2000;-6.7833	180 m

SE 06038Dd:

Ruvu South Forest Reserve	Tanzania		38.9163;-6.9455	
Soga	Tanzania		38.8667;-6.8333	151 m

SE 06039Aa:

Bet El Ras, Zanzibar	Tanzania		39.2167;-6.1167	
Mangapwani (see also: Mungopani)	Tanzania		39.1833;-6.0000	
Marahubi (see Marahubi Mlangoni), Zanzibar	Tanzania		39.2167;-6.1500	20 m
Marahubi Mlangoni, Zanzibar (see also: Marahubi, Marhubi)	Tanzania		39.2167;-6.1500	20 m
Marhubi (see Marahubi Mlangoni), Zanzibar	Tanzania		39.2167;-6.1500	20 m
Masingini Forest Station	Tanzania		39.2427;-6.1166	86 m
Mbweni, Zanzibar	Tanzania		39.2000;-6.2167	0 m
Mungopani (see Mangapwani)	Tanzania		39.1833;-6.0000	
Shakani, Zanzibar	Tanzania		39.2333;-6.2333	7 m
Zanzibar Town	Tanzania		39.1942;-6.1659	
Zanzibar, W coase	Tanzania	ca.	39.1942;-6.1659	

SE 06039Ab:

Bungi-Gurunsini	Tanzania		39.3202;-6.2440	5 m
Dayte cave	Tanzania		39.3712;-6.0561	28 m
Kiwengwa-Pongwe Forest Reserve cave	Tanzania		39.3674;-6.0118	29 m
Kwabaniani caves	Tanzania		39.3490;-6.1602	25 m
Nyambiza Village	Tanzania		39.3333;-6.2000	30 m
Unguja island (see Zanzibar)	Tanzania		39.3333;-6.1667	
Zanguébar (see Zanzibar)	Tanzania		39.3333;-6.1667	
Zanzibar (see also: Unguja island, Zanguébar)	Tanzania		39.3333;-6.1667	

SE 06039Ad:

Bunge (see Bungi), Zanzibar	Tanzania		39.3333;-6.2667	0 m
Bungi, Zanzibar (see also: Bunge)	Tanzania		39.3333;-6.2667	0 m
Kizimkazi, Zanzibar (see also: Kizimkazi Mkunguni, Mkunguni)	Tanzania		39.4667;-6.4500	0 m
Kizimkazi Mkunguni (see Kizimkazi), Zanzibar	Tanzania		39.4667;-6.4500	0 m
Machaga caves	Tanzania		39.4021;-6.2873	21 m
Mkunguni (see Kizimkazi), Zanzibar	Tanzania		39.4667;-6.4500	0 m
Mojoni (see Muyuni), Zanzibar	Tanzania		39.4667;-6.3667	0 m
Muyuni, Zanzibar (see also: Mojoni)	Tanzania		39.4667;-6.3667	0 m

Pange Juu cave	Tanzania		39.4514;-6.2800	15 m
Peete village (see Pete village)	Tanzania		39.4167;-6.2833	
Pete village (see also: Peete village)	Tanzania		39.4167;-6.2833	

SE 06039Bc:

Zanzibar Town, 36 mi [=58 km] S	Tanzania		39.5000;-6.4167	

SE 06039Cb:

Dar es Salaam, 9 mi [=14.5 km] N	Tanzania		39.3000;-6.7000	

SE 06039Cc:

Kazimzumbwi forest reserve, SSW Dar es Salaam	Tanzania		39.0500;-6.9667	
Kisarawe (see also: Kiserawe)	Tanzania		39.0667;-6.9000	222 m
Kisarawe, near	Tanzania	ca.	39.0500;-6.8833	
Kiserawe (see Kisarawe)	Tanzania		39.0667;-6.9000	222 m
Minaki, St. Andrews College (see also: St. Andrews College (Minaki))	Tanzania		39.0922;-6.9003	
Myaiai	Tanzania		39.2000;-6.8000	
Pugu Forest Reserve	Tanzania		39.0833;-6.8833	
Pugu hills	Tanzania		39.0833;-6.8833	152 m
St. Andrews College (Minaki) (see Minaki, St. Andrews College)	Tanzania		39.0922;-6.9003	

SE 06039Cd:

Dar es Salaam (see also: Dar es Salaam University, Dar es Salam, Dar-es-Salaam, University of Dar es Salaam)	Tanzania		39.2833;-6.8000	0 m
Dar es Salaam University (see Dar es Salaam)	Tanzania		39.2833;-6.8000	
Dar es Salaam, 5 mi [=8 km] NW	Tanzania		39.2500;-6.8000	
Dar es Salam (see Dar es Salaam)	Tanzania		39.2833;-6.8000	0 m
Dar-es-Salaam (see Dar es Salaam)	Tanzania		39.2833;-6.8000	0 m
Kurasini area, Dar-es-Salaam	Tanzania		39.2833;-6.8333	
Oyster Bay	Tanzania		39.2833;-6.7833	0 m
University of Dar es Salaam (see Dar es Salaam)	Tanzania		39.2833;-6.8000	
Vikindo [forest], Usaramo	Tanzania		39.2833;-6.9833	120 m

SE 06053Aa:

Amirante Island	Seychelle Islands		53.1667;-6.0000	

SE 07012Bb:

Ambrisette (see N'zeto)	Angola		12.8667;-7.2333	6 m
Ambrizete (see N'zeto)	Angola		12.8667;-7.2333	6 m
Ambrizette (see N'zeto)	Angola		12.8667;-7.2333	6 m
N'zeto (see also: Ambrisette, Ambrizete, Ambrizette)	Angola		12.8667;-7.2333	6 m

SE 07013Cc:

Ambriz	Angola		13.1167;-7.8500	0 m

SE 07015Ad:

Bungo	Angola		15.3833;-7.4333	1122 m

SE 07017Ca:

François-Joseph, chutes (see Franz-Josef falls)	Congo (Democratic Republic of the)	ca.	17.2319;-7.5917	
Franz-Josef falls (see also: François-Joseph, chutes)	Congo (Democratic Republic of the)	ca.	17.2319;-7.5917	

SE 07019Dd:

Carumbo, lake (see also: Lake Carumba, Lake Carumbo)	Angola		19.9500;-7.8000	850 m
Lake Carumba (see Carumbo, lake)	Angola		19.9500;-7.8000	850 m
Lake Carumbo (see Carumbo, lake)	Angola		19.9500;-7.8000	850 m

SE 07020Bd:

Dundo (see also: Dundo Lundo, Dundu)	Angola		20.8333;-7.3667	726 m
Dundo Lundo (see Dundo)	Angola		20.8333;-7.3667	726 m
Dundu (see Dundo)	Angola		20.8333;-7.3667	726 m
Luachima River (see Rio Luachimo), near Dundo	Angola	ca.	20.8167;-7.3333	
Rio Luachimo, near Dundo (see also: Luachima River)	Angola	ca.	20.8167;-7.3333	

SE 07022Ab:

Luisa (see Luiza territory)	Congo (Democratic Republic of the)		22.4167;-7.2000	
Luiza territory (see also: Luisa)	Congo (Democratic Republic of the)		22.4167;-7.2000	

SE 07022Bc:

Lula	Congo (Democratic Republic of the)	ca.	22.5500;-7.4167	

SE 07023Ba:

Kalenda	Congo (Democratic Republic of the)		23.5364;-7.1297	821 m
Kalenda [Kasai]	Congo (Democratic Republic of the)		23.5333;-7.1333	821 m
Luputa	Congo (Democratic Republic of the)		23.7000;-7.1667	841 m

SE 07023Ca:

Tshibaka (see Tshibaka-Kaji)	Congo (Democratic Republic of the)		23.2000;-7.7167	882 m
Tshibaka-Kaji (see also: Tshibaka)	Congo (Democratic Republic of the)		23.2000;-7.7167	882 m

SE 07024Ab:

Tshapona (see Tshiapona)	Congo (Democratic Republic of the)		24.3167;-7.1833	826 m
Tshiapona (see also: Tshapona)	Congo (Democratic Republic of the)		24.3167;-7.1833	826 m

SE 07024Ca:

Kamiama (see Kaniama)	Congo (Democratic Republic of the)		24.1833;-7.5167	887 m
Kaniama (see also: Kamiama)	Congo (Democratic Republic of the)		24.1833;-7.5167	887 m
Kaniama territory	Congo (Democratic Republic of the)		24.1833;-7.5167	

SE 07024Da:

Musenji (see Musindji)	Congo (Democratic Republic of the)		24.5500;-7.6000	894 m
Musindji (see also: Musenji, Musingi)	Congo (Democratic Republic of the)		24.5500;-7.6000	894 m
Musingi (see Musindji), 200 km from Kamina	Congo (Democratic Republic of the)		24.5500;-7.6000	894 m

SE 07025Bc:

Kabongo	Congo (Democratic Republic of the)		25.5833;-7.3167	918 m

SE 07027Aa:

Lukulu	Congo (Democratic Republic of the)	27.1167;-7.1333	573 m

SE 07027Ad:

Manono (see also: Manono Katanga)	Congo (Democratic Republic of the)	27.4167;-7.3000	664 m
Manono Katanga (see Manono)	Congo (Democratic Republic of the)	27.4167;-7.3000	664 m

SE 07027Cc:

Lualaba River (see Mulongo)	Congo (Democratic Republic of the)	27.0000;-7.8333	578 m
Mulombo (see Mulongo), on Lualaba river	Congo (Democratic Republic of the)	27.0000;-7.8333	578 m
Mulongo, on Lualaba river (see also: Lualaba River, Mulombo)	Congo (Democratic Republic of the)	27.0000;-7.8333	578 m

SE 07028Ac:

Kiambi	Congo (Democratic Republic of the)	28.0167;-7.3333	607 m

SE 07029Ab:

Nganza	Congo (Democratic Republic of the)	29.4333;-7.1167	

SE 07029Bb:

Baudhuinville (see Moba)	Congo (Democratic Republic of the)	29.7833;-7.0500	763 m
Baudouinville (see Moba)	Congo (Democratic Republic of the)	29.7833;-7.0500	763 m
Boudewijnstad (see Moba)	Congo (Democratic Republic of the)	29.7833;-7.0500	763 m
Moba (see also: Baudhuinville, Baudouinville, Boudewijnstad)	Congo (Democratic Republic of the)	29.7833;-7.0500	763 m

SE 07029Db:

Lubenge	Congo (Democratic Republic of the)	29.9833;-7.5000	5650 ft
Marunga mountains	Congo (Democratic Republic of the)	29.9833;-7.5000	5650 ft

SE 07029Dc:

Kakonde	Congo (Democratic Republic of the)	29.7167;-7.8667	

SE 07030Dc:

Mbizi Forest, Ufipa	Tanzania	30.7000;-7.8667	

SE 07031Bc:

Rungwa	Tanzania	31.6667;-7.3500	914 m

SE 07031Ca:

Namanjere (see Namanyere)	Tanzania	31.0500;-7.5167	1587 m
Namanyere (see also: Namanjere)	Tanzania	31.0500;-7.5167	1587 m

SE 07031Dc:

Mbizi Forest Reserve, 0.5 km N, 4 km E Wipanga (see also: Wipanga, 0.5 km N, 4 km E)	Tanzania	31.6667;-7.8667	2200 m
Mwela	Tanzania	31.6667;-7.7667	1031 m
Wipanga, 0.5 km N, 4 km E (see Mbizi Forest Reserve)	Tanzania	31.6667;-7.8667	2200 m

SE 07032Aa:

Rukwa (Game Reserve)	Tanzania	32.0000;-7.1667	

SE 07035Ad:

Mulenge Forest	Tanzania	35.4698;-7.4211	790 m

SE 07035Ca:

Ruaha National Park	Tanzania	35.0000;-7.5000	

SE 07035Da:

Iringa district	Tanzania	35.5000;-7.5833	

SE 07035Dc:

Iringa	Tanzania	35.7000;-7.7667	1574 m
Iringa, near	Tanzania	35.7000;-7.7833	

SE 07035Dd:

Iringa, 12 km ESE (see Kigwembinbi)	Tanzania	35.8036;-7.8061	1600 m
Iringa, 6 km E (see Kibebe farms)	Tanzania	35.7500;-7.7833	1550 m
Kibebe farms, 6 km E Iringa (see also: Iringa, 6 km E)	Tanzania	35.7500;-7.7833	1550 m
Kigwembinbi, 12 km ESE Iringa (see also: Iringa, 12 km ESE)	Tanzania	35.8036;-7.8061	1600 m

SE 07036Ab:

Dali	Tanzania	36.4167;-7.0000	

SE 07036Bd:

Ulanga	Tanzania	36.9333;-7.3000	663 m

SE 07036Cb:

Mtandika	Tanzania	36.4333;-7.5333	596 m

SE 07036Db:

Kidode (see Kidodi)	Tanzania	36.9833;-7.6000	337 m
Kidodi, The Great Ruaha River, N (see also: Kidode)	Tanzania	36.9833;-7.6000	337 m

SE 07036Cd:

Nyumbanitu Forest (see also: Nyumbanitu Forest Reserve)	Tanzania	36.3716;-7.8440	
Nyumbanitu Forest Reserve (see Nyumbanitu Forest)	Tanzania	36.3716;-7.8440	
Ukami Forest (see Ukami Forest Reserve)	Tanzania	36.3866;-7.8888	338 m
Ukami Forest Reserve (see also: Ukami Forest)	Tanzania	36.3866;-7.8888	338 m

SE 07036Dc:

Ndundulu Forest (see West Kilombero Scarp Forest Reserve)	Tanzania	36.5000;-7.9167	
West Kilombero Scarp Forest Reserve (see also: Ndundulu Forest)	Tanzania	36.5000;-7.9167	
West Kilombero Scarp Forest Reserve	Tanzania	36.5890;-7.8167	

SE 07036Dd:

Mangula	Tanzania		36.8671;-7.8479	350 m
Mwanihana Forest, Uuzungwa Mountains (see also: Mwanihana Forest Reserve)	Tanzania		36.8333;-7.8333	100 m
Mwanihana Forest Reserve (see Mwanihana Forest), Uuzungwa Mountains	Tanzania		36.8333;-7.8333	100 m

SE 07037Aa:

Kilosa district	Tanzania		37.0000;-7.0000	

SE 07037Ba:

Bagilo	Tanzania		37.6667;-7.1667	
Bunduki	Tanzania		37.6333;-7.0333	1416 m
Uluguru mountains	Tanzania		37.6667;-7.1667	

SE 07037Bb:

Kasanga Forest Reserve	Tanzania		37.7605;-7.1943	
Kimboza Forest Reserve	Tanzania		37.7782;-7.0293	
Mvuha Forest Reserve	Tanzania		37.8023;-7.1972	
Ruvu Forest Reserve	Tanzania		37.8655;-7.0078	

SE 07037Ac:

Doma Mikumi Game Controlled Area (see Mikumi National Park)	Tanzania		37.0833;-7.2500	
Mikumi National Park (see also: Doma Mikumi Game Controlled Area)	Tanzania		37.0833;-7.2500	876 m
Mikumi National Park, H.Q.	Tanzania		37.0000;-7.3667	

SE 07037Bc:

Kisaki (see also: Kisaki Fort, Kissaki)	Tanzania		37.6000;-7.4667	292 m
Kisaki Fort (see Kisaki)	Tanzania		37.6000;-7.4667	292 m
Kissaki (see Kisaki)	Tanzania		37.6000;-7.4667	292 m

SE 07037Dd:

Great Ruaha River	Tanzania		37.8333;-7.9333	

SE 07038Bb:

Kisarawe district	Tanzania		38.8333;-7.1667	

SE 07038Dd:

Utete	Tanzania		38.7833;-7.9833	31 m

SE 07039Ab:

Msongozi	Tanzania		39.3333;-7.0667	

SE 07039Ad:

Kisiju island	Tanzania		39.3333;-7.4000	

SE 07039Cb:

Mchungu Forest Reserve	Tanzania		39.2708;-7.6875	

SE 07039Dc:

Kilindoni, Mafia island	Tanzania		39.6635;-7.9128	
Kilindoni Forest Strip	Tanzania		39.6825;-7.8892	
Mafia Marine Park	Tanzania		39.6727;-7.9844	
Ngombeni	Tanzania	ca.	39.6590;-7.9543	50 ft
Ras Kisimani, near	Tanzania	ca.	39.5906;-7.9445	

Utende, Mafia Marine Park H.Q.	Tanzania		39.7323;-7.9745	

SE 07039Dd:

Chole island	Tanzania		39.7608;-7.9767	
Chole Shamba (see Mafia island)	Tanzania		39.7804;-7.8538	
Juani village	Tanzania		39.7797;-7.9911	10 m
Kanga Ngome forest	Tanzania	ca.	39.7803;-7.8539	
Mafia island (see also: Chole Shamba, Tschole-Schamba, Tshole-Shamba)	Tanzania		39.7804;-7.8538	
Mlola Forest (see Mlolo Forest)	Tanzania		39.7803;-7.8539	20 m
Mlolo Forest (see also: Mlola Forest)	Tanzania		39.8500;-7.8833	20 m
Tschole-Schamba (see Mafia island)	Tanzania		39.7804;-7.8538	
Tshole-Shamba (see Mafia island)	Tanzania		39.7804;-7.8538	

SE 08013Cc:

Luanda (see also: São Paulo da Assunção de Luanda, São Paulo de Loanda, São Paulo de Luanda)	Angola		13.2344;-8.8383	6 m
São Paulo da Assunção de Luanda (see Luanda)	Angola		13.2344;-8.8383	6 m
São Paulo de Loanda (see Luanda)	Angola		13.2344;-8.8383	6 m
São Paulo de Luanda (see Luanda)	Angola		13.2344;-8.8383	6 m

SE 08013Dc:

Cabire (see Cabiri)	Angola		13.6692;-8.9153	87 m
Cabiri (see also: Cabire, Kabire, Kabiri)	Angola		13.6692;-8.9153	87 m
Kabire (see Cabiri)	Angola		13.6692;-8.9153	87 m
Kabiri (see Cabiri)	Angola		13.6692;-8.9153	87 m

SE 08015Ac:

Camabatela, 30 km W (see Roça Canzel)	Angola		15.1833;-8.3500	793 m
Canzale (see Roça Canzel), 30 km W Camabatela	Angola		15.1833;-8.3500	793 m
Canzel (see Roça Canzel), 30 km W Camabatela	Angola		15.1833;-8.3500	793 m
Canzele (see Roça Canzel), 30 km W Camabatela	Angola		15.1833;-8.3500	793 m
Canzole (see Roça Canzel), 30 km W Camabatela	Angola		15.1833;-8.3500	793 m
Roça Cansele (see Roça Canzel), North of ?? Quiculango ??	Angola		15.1833;-8.3500	793 m
Roça Canzel, 30 km W Camabatela (see also: Camabatela, 30 km W, Canzale, Canzel, Canzele, Canzole, Roça Cansele)	Angola		15.1833;-8.3500	793 m

SE 08015Db:

Duque de Bragança, 42 km N	Angola		15.9667;-8.6667	

SE 08016Cc:

Duque de Bragança, 25 km N, 15 km E	Angola		16.0865;-8.8740	

SE 08020Cd:

Chá Cassau (see Elias Garcia), 150 km SSE Dundo	Angola		20.3000;-8.9333	901 m
Dundo, 150 km SSE (see Elias Garcia)	Angola		20.3000;-8.9333	901 m
Elias Garcia, 150 km SSE Dundo (see also: Chá Cassau, Dundo, 150 km SSE, Sha Kazau, Sombo, Xa Cassai, Xá Cassau)	Angola		20.3000;-8.9333	901 m
Sha Kazau (see Elias Garcia), 150 km SSE Dundo	Angola		20.3000;-8.9333	901 m
Sombo (see Elias Garcia), 150 km SSE Dundo	Angola		20.3000;-8.9333	901 m
Xa Cassai (see Elias Garcia), 150 km SSE Dundo	Angola		20.3000;-8.9333	901 m
Xá Cassau (see Elias Garcia), 150 km SSE Dundo	Angola		20.3000;-8.9333	901 m

SE 08022Bc:

Kapanga	Congo (Democratic Republic of the)		22.5833;-8.3500	881 m

SE 08023Dc:

Ngozi Crater	Tanzania	23.5619;-8.9997	

SE 08024Bc:

Mukishi [station]	Congo (Democratic Republic of the)	24.7269;-8.4931	

SE 08024Dd:

Lovoi	Congo (Democratic Republic of the)	24.8333;-8.8000	1126 m

SE 08025Ca:

Kamina territory	Congo (Democratic Republic of the)	25.0000;-8.7333	

SE 08025Db:

Vumbi	Congo (Democratic Republic of the)	25.9667;-8.6333	932 m

SE 08026Ab:

Kikondja (see also: Kikondji)	Congo (Democratic Republic of the)	26.4333;-8.1833	607 m
Kikondji (see Kikondja)	Congo (Democratic Republic of the)	26.4333;-8.1833	607 m

SE 08026Bc:

Kadia, Lake Kisale	Congo (Democratic Republic of the)	26.6000;-8.2667	556 m

SE 08026Cb:

Katapena, thermal spring in the vicinity of Lake Upemba	Congo (Democratic Republic of the)	ca. 26.4167;-8.5833	
Mabwe river, East of Lake Upemba	Congo (Democratic Republic of the)	26.4833;-8.7000	590 m
Nionga, on Lake Upemba	Congo (Democratic Republic of the)	26.3000;-8.5833	

SE 08026Da:

Mabwe	Congo (Democratic Republic of the)	26.5167;-8.6500	574 m

SE 08026Db:

Pelenge, gorges	Congo (Democratic Republic of the)	26.8300;-8.6700	

SE 08026Cc:

Bukama, 40 mi [=64 km] below (see Katobwe), on Lualaba river	Congo (Democratic Republic of the)	26.0667;-8.9000	547 m
Katobwe, on Lualaba river, 40 mi [=64 km] below Bukama (see also: Bukama, 40 mi [=64 km] below)	Congo (Democratic Republic of the)	26.0667;-8.9000	610 m
Kiabo, 14 km upstream (see Sombe)	Congo (Democratic Republic of the)	26.0333;-8.8333	
Maka, Banks of the Lualaba; Haut Lomami or Tanganyika province	Congo (Democratic Republic of the)	26.0667;-8.9333	
Sombe, 14 km upstream of Kiabo (see also: Kiabo, 14 km upstream)	Congo (Democratic Republic of the)	26.0333;-8.8333	

SE 08026Cd:

Kintobongo (see also: Kintobongo-Bunge, Kitobongo, Kitombongo)	Congo (Democratic Republic of the)	26.3903;-8.8989	608 m
Kintobongo-Bunge (see Kintobongo)	Congo (Democratic Republic of the)	26.3903;-8.8989	608 m
Kitobongo (see Kintobongo)	Congo (Democratic Republic of the)	26.3903;-8.8989	608 m
Kitombongo (see Kintobongo)	Congo (Democratic Republic of the)	26.3903;-8.8989	608 m

SE 08026Dc:

Kaswabilenga	Congo (Democratic Republic of the)	26.6833;-8.8000	700 m
Katupila, on Lufira river	Congo (Democratic Republic of the)	26.7333;-8.8333	
Kibanga	Congo (Democratic Republic of the)	26.7333;-8.8333	1300 m

SE 08026Dd:

Munoi (see Munoi confluence)	Congo (Democratic Republic of the)	26.7667;-8.7500	
Munoi confluence (see also: Munoi)	Congo (Democratic Republic of the)	26.7667;-8.7500	890 m

SE 08027Cb:

Mitwaba territory	Congo (Democratic Republic of the)	27.3333;-8.6500	

SE 08027Db:

Kasongo Mwano	Congo (Democratic Republic of the)	27.8500;-8.7333	

SE 08027Cc:

Kipangaribwe river, tributary of Lusinga river	Congo (Democratic Republic of the)	27.2000;-8.9333	
Lusinga	Congo (Democratic Republic of the)	27.2000;-8.9333	

SE 08027Dc:

Kibanda	Congo (Democratic Republic of the)	27.6333;-8.9500	1223 m

SE 08028Bd:

Pweto	Congo (Democratic Republic of the)	28.9000;-8.4667	951 m
Pweto territory	Congo (Democratic Republic of the)	28.9000;-8.4667	

SE 08028Da:

Loanza mission (see Luanza mission)	Congo (Democratic Republic of the)	28.7000;-8.7000	1132 m
Luanza missie (see Luanza mission)	Congo (Democratic Republic of the)	28.7000;-8.7000	1132 m
Luanza mission (see also: Loanza mission, Luanza missie, Mission de Luanza)	Congo (Democratic Republic of the)	28.7000;-8.7000	1132 m
Mission de Luanza (see Luanza mission)	Congo (Democratic Republic of the)	28.7000;-8.7000	1132 m

SE 08028Dc:

Lukonzolwa	Congo (Democratic Republic of the)	28.6500;-8.7833	918 m

SE 08029Ad:

Kafwe	Congo (Democratic Republic of the)	29.2500;-8.3667	1800 m

SE 08029Bc:

Msosa (see Musosa)	Zambia	29.6333;-8.3833	976 m
Musosa (see also: Msosa)	Zambia	29.6333;-8.3833	976 m
Musosa, near	Congo (Democratic Republic of the)	29.6333;-8.3667	

SE 08029Da:

Lufubu River, Kaputa	Zambia	29.5000;-8.6667	1000 ft

SE 08029Dc:

Mweru Marsh, Kangiri	Zambia	29.5000;-8.7500	
Mweru Marsh Game Reserve, Kangiri	Zambia	29.5000;-8.7500	
Mweru Wantipa, Kangiri	Zambia	29.5000;-8.7500	
Mweru Wantipa National Park, Kangiri	Zambia	29.5000;-8.7500	
Mweru Wantipa National Park No. 5, Kangiri	Zambia	29.5000;-8.7500	

SE 08030Ba:

Moliro	Congo (Democratic Republic of the)	30.5667;-8.2167	764 m

SE 08030Ca:

Bulaya, Lake Mweru Wantipa	Zambia	30.1333;-8.5167	948 m

SE 08030Cb:

Sumbu	Zambia	30.4833;-8.5167	763 m

SE 08030Da:

Chiniyka Bay, Lake Tanganyika	Zambia	30.6667;-8.5167	
Kituta Bay, South end Lake Tanganyika	Zambia	30.5000;-8.5333	2775 ft

SE 08031Bb:

Kafukola	Tanzania	31.9500;-8.0833	1126 m

SE 08031Ac:

Bismarckburg (see Kasanga)	Tanzania	31.1500;-8.4667	769 m
Kasanga (see also: Bismarckburg)	Tanzania	31.1500;-8.4667	769 m

SE 08031Ad:

Kitungulu, southwestern	Tanzania	ca.	31.2833;-8.4833	

SE 08031Bc:

Mwazye	Tanzania	31.7333;-8.4500	1883 m

SE 08031Ca:

Kalambo Falls (see also: Kalembo)	Tanzania	31.2333;-8.6000	
Kalembo (see Kalambo Falls)	Tanzania	31.2167;-8.5833	

SE 08031Da:

Sumbawango, 70 km S (see Tatanda)	Tanzania	31.5000;-8.5167	1907 m
Tatanda, 70 km S Sumbawango (see also: Sumbawango, 70 km S)	Tanzania	31.5000;-8.5167	1907 m

SE 08031Cc:

Musende Bay, Lake Tanganyika (see also: Musende Show)	Zambia	31.1000;-8.7667	
Musende Show (see Musende Bay), Lake Tanganyika	Zambia	31.1000;-8.7667	

SE 08031Cd:

Abercorn (see Mbala)	Zambia	31.3833;-8.8333	1656 m
Kalambo Road	Zambia	31.4167;-8.8333	5400 ft
Mbala (see also: Abercorn)	Zambia	31.3833;-8.8333	1656 m
Mbulu Stream	Zambia	31.3833;-8.8500	5600 ft

SE 08032Ab:

Lake Rukwa (see Rukwa, lake), Konongo	Tanzania	32.4167;-8.0000	
Rukwa See (see Rukwa, lake), Konongo	Tanzania	32.4167;-8.0000	
Rukwa, lake, Konongo (see also: Lake Rukwa, Rukwa See)	Tanzania	32.4167;-8.0000	

SE 08033Db:

Songwe caves	Tanzania	33.8000;-8.5000	

SE 08033Cd:

Mbeya	Tanzania	33.4500;-8.9000	
Mbeya Township	Tanzania	33.4500;-8.9000	1661 m

SE 08034Cc:

Chimala	Tanzania	34.0167;-8.8500	1200 m

SE 08035Bb:

Iringa, 30 mi [=48 km] SSE (see Itanga)	Tanzania	35.9000;-8.1333	1772 m
Itanga, 30 mi [=48 km] SSE Iringa (see also: Iringa, 30 mi [=48 km] SSE)	Tanzania	35.9000;-8.1333	1772 m
New Dabaga/Ulangambi Forest Reserve	Tanzania	35.9167;-8.0667	1930 m

SE 08035Bc:

Kihansi airstrip	Tanzania	35.6824;-8.4062	
Mlumbaji stream camp	Tanzania	ca. 35.6824;-8.4062	

SE 08035Bd:

Kihanga, 15 km SSE Msisiwe (see also: Msisiwe, 15 km SSE)	Tanzania	35.9333;-8.3667	1800 m
Msisiwe, 15 km SSE (see Kihanga)	Tanzania	35.9333;-8.3667	1800 m

SE 08035Ca:

Ngwazi Estate, Uzungwa Mountains	Tanzania	35.1764;-8.5319	

SE 08035Cb:

Kibwele (see Kibwele Tea Estate)	Tanzania	35.3319;-8.5756	
Kibwele Tea Estate (see also: Kibwele)	Tanzania	35.3319;-8.5756	
Lugoda Tea Estate, Uzungwa mountains	Tanzania	35.2561;-8.5853	
Mufindi district	Tanzania	35.2500;-8.5000	

SE 08035Db:

Chita, 1.7 km N, 3.5 km W	Tanzania		35.9083;-8.5056	910 m
Chita, 3 km N (see Udzungwa Scarp forest reserve)	Tanzania		35.9333;-8.5167	
Chita, 4.5 km W	Tanzania		35.9042;-8.5194	600 m
Udzungwa National Park (see Udzungwa Scarp forest reserve), 3 km N Chita	Tanzania		35.9333;-8.5167	
Udzungwa Scarp forest reserve, 3 km N Chita (see also: Chita, 3 km N, Udzungwa National Park)	Tanzania		35.9333;-8.5167	
Uhafiwa Luhega Forest, Uhafiwa, near	Tanzania		35.8500;-8.5000	1400 m

SE 08035Dd:

Utengule (see also: Utenguli)	Tanzania		35.8333;-8.9500	308 m
Utenguli (see Utengule)	Tanzania		35.8333;-8.9500	308 m

SE 08036Ad:

Kilombero district	Tanzania		36.4167;-8.2500	

SE 08036Cb:

Mafinji camp	Tanzania		36.4787;-8.6123	
Nambiga Forest Reserve	Tanzania		36.4833;-8.5667	

SE 08036Da:

Ingalala, near Mahenge	Tanzania		36.6833;-8.6833	
Iringa, 137 km SE (see Mbangala)	Tanzania		36.7333;-8.6000	626 m
Kilombero Valley, Rufiri-Itete area	Tanzania		36.5000;-8.6667	330 m
Mahenge, near Kilosa	Tanzania		36.7167;-8.6833	1276 m
Mahenge Scarp Forest Reserve	Tanzania		36.7267;-8.6167	790 m
Mbangala, 137 km SE Iringa (see also: Iringa, 137 km SE, Mbanja)	Tanzania		36.7333;-8.6000	626 m
Mbanja (see Mbangala), 137 km SE Iringa	Tanzania		36.7333;-8.6000	626 m
Nawenge Forest Reserve	Tanzania		36.7167;-8.7000	

SE 08036Dc:

Isongo	Tanzania	ca.	36.6958;-8.7567	

SE 08036Dd:

Mwaya, Kilwa	Tanzania		36.8333;-8.9167	464 m

SE 08037Bc:

Behobeho	Tanzania		37.5000;-8.2500	

SE 08037Db:

Madaba	Tanzania		37.7833;-8.6667	391 m

SE 08038Ba:

Rufiji district	Tanzania		38.6667;-8.0000	

SE 08038Bd:

Kibata	Tanzania		38.9833;-8.4667	285 m
Kiwengoma Forest Reserve	Tanzania		38.9191;-8.3433	
Matumbi Highlands (see also: Matumbi-Berge)	Tanzania		38.9167;-8.3333	
Matumbi-Berge (see Matumbi Highlands)	Tanzania		38.9167;-8.3333	

SE 08039Aa:

Mohoro (see also: Mohorro plantation)	Tanzania		39.1667;-8.1333	19 m
Mohorro plantation (see Mohoro)	Tanzania		39.1667;-8.1333	19 m

SE 08039Ac:

Namakutwa Forest Reserve	Tanzania	39.0060;-8.2499	

SE 08039Bb:

Juani island	Tanzania	39.7754;-8.0099	
Kua ruins	Tanzania	39.7667;-8.0045	

SE 08039Ac:

Tong'omba Forest Reserve, Matumbi Massif	Tanzania	39.0167;-8.4167	

SE 08039Ad:

Samanga (see Somanga)	Tanzania	39.2833;-8.4000	3 m
Somanga	Tanzania	39.2833;-8.4000	3 m
(see also: Samanga)			

SE 08039Cb:

Amana (reef)	Tanzania	39.4528;-8.7047	
Amana Island	Tanzania	39.4529;-8.7048	
Songo Songo Island	Tanzania	39.4833;-8.5167	
(see also: Songogongo Island)			
Songogongo Island (see Songo Songo Island)	Tanzania	39.4833;-8.5167	

SE 08039Cd:

Kilwa (see Kilwa Kivinje)	Tanzania	39.4000;-8.7500	25 m
Kilwa Kivinje	Tanzania	39.4000;-8.7500	25 m
(see also: Kilwa, Kilwa-Kiwindje, Kilwa-Kiwindsche)			
Kilwa-Kiwindje (see Kilwa Kivinje)	Tanzania	39.4000;-8.7500	25 m
Kilwa-Kiwindsche (see Kilwa Kivinje)	Tanzania	39.4000;-8.7500	25 m

SE 08039Dc:

Mararenge	Tanzania	39.5667;-8.9167	

SE 09013Ba:

Catete	Angola	13.6300;-9.1300	
(see also: Katete)			
Katete (see Catete)	Angola	13.6300;-9.1300	

SE 09013Bc:

Canga (see Fazenda Cunga)	Angola	13.7333;-9.2500	46 m
Conga (see Fazenda Cunga)	Angola	13.7333;-9.2500	46 m
Cunga (see Fazenda Cunga)	Angola	13.7333;-9.2500	46 m
Fazenda Cunga	Angola	13.7333;-9.2500	46 m
(see also: Canga, Conga, Cunga, Kunga)			
Kunga (see Fazenda Cunga)	Angola	13.7333;-9.2500	46 m

SE 09013Db:

Kissama cave (see Quiçama cave)	Angola	ca. 13.7500;-9.6667	
Quiçama cave	Angola	ca. 13.7500;-9.6667	
(see also: Kissama cave)			
Quiçama National Park	Angola	ca. 13.7500;-9.6667	

SE 09014Ba:

Canhoca	Angola	14.6300;-9.1300	
(see also: Kanhoca)			
Kanhoca (see Canhoca)	Angola	14.6300;-9.1300	

SE 09014Bb:

Galungo Alto (see Golungo Alto)	Angola	14.7667;-9.1333	577 m
Golundo Alto (see Golungo Alto)	Angola	14.7667;-9.1333	577 m

Golungo Alto (see also: Galungo Alto, Golundo Alto)	Angola	14.7667;-9.1333	577 m

SE 09014Ad:

Cassoalaba (see Cassoalalla)	Angola	14.3500;-9.4833	136 m
Cassoalala (see Cassoalalla)	Angola	14.3500;-9.4833	136 m
Cassoalalla (see also: Cassoalaba, Cassoalala, Cassoalalla, Cassualala, Kassualala, Kateba)	Angola	14.3500;-9.4833	136 m
Cassoalalla (see Cassoalalla)	Angola	14.3500;-9.4833	136 m
Cassualala (see Cassoalalla)	Angola	14.3500;-9.4833	136 m
Kassualala (see Cassoalalla)	Angola	14.3500;-9.4833	136 m
Kateba (see Cassoalalla)	Angola	14.3500;-9.4833	136 m

SE 09014Cb:

Mucoso, near Dondo	Angola	14.3833;-9.6667	130 m

SE 09014Da:

Dondo (see Ndondo)	Angola	14.5000;-9.6667	134 m
Ndondo (see also: Dondo)	Angola	14.5000;-9.6667	134 m

SE 09015Bb:

Bragança (see Calandula)	Angola	15.9500;-9.1000	626 m
Calandula (see also: Bragança, Duque de Bragança, Kalandula, Nalandula)	Angola	15.9500;-9.1000	626 m
Duque de Bragança (see Calandula)	Angola	15.9500;-9.1000	626 m
Kalandula (see Calandula)	Angola	15.9500;-9.1000	626 m
Nalandula (see Calandula)	Angola	15.9500;-9.1000	626 m

SE 09015Da:

Pungo Andongo	Angola	15.5833;-9.6667	916 m

SE 09016Cb:

Malange (see Malanje)	Angola	16.3453;-9.5447	1155 m
Malanje (see also: Malange)	Angola	16.3453;-9.5447	1155 m

SE 09017Aa:

Kela, 5 km N (see Quela, 5 km N)	Angola	17.0833;-9.2215	
Quela, 5 km N (see also: Kela, 5 km N)	Angola	17.0833;-9.2215	

SE 09024Bd:

Muezi Lupungu, near Kinda	Congo (Democratic Republic of the)	24.9167;-9.4167	

SE 09024Db:

Kitundu Kinda	Congo (Democratic Republic of the)	24.9167;-9.5000	

SE 09025Bb:

Bukama	Congo (Democratic Republic of the)	25.8500;-9.2000	601 m
Bukama territory	Congo (Democratic Republic of the)	25.8500;-9.2000	

SE 09025Bd:

Luena	Congo (Democratic Republic of the)	25.7883;-9.4364	

SE 09025Db:

Makulakulu (see Mukulakulu)	Congo (Democratic Republic of the)	25.7833;-9.5500	828 m
Mukulakula (see Mukulakulu)	Congo (Democratic Republic of the)	25.7833;-9.5500	828 m
Mukulakulu (see also: Makulakulu, Mukulakula)	Congo (Democratic Republic of the)	25.7833;-9.5500	828 m

SE 09025Cd:

Grotte de Lusolo (see Lusolo grot)	Congo (Democratic Republic of the)	25.4667;-9.9333	
Lusolo grot (see also: Grotte de Lusolo)	Congo (Democratic Republic of the)	25.4667;-9.9333	

SE 09025Dc:

Funda Biabo (see also: Funda Biako)	Congo (Democratic Republic of the)	25.5500;-9.8333	693 m
Funda Biako (see Funda Biabo)	Congo (Democratic Republic of the)	25.5500;-9.8333	693 m

SE 09025Dd:

Grotte de Kaboyaboya (see Kaboyaboya cave), near Lubudi, near Kaio rapids, south fork Kapandula river	Congo (Democratic Republic of the)	25.9667;-9.9333	
Grotte de Kiasala (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)	25.9667;-9.9333	1300 m
Grotte de Kyantapo (see Kyantapo cave), 30 km SW Lubudi	Congo (Democratic Republic of the)	25.9667;-9.9333	1525 m
Grotte de Kyasala (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)	25.9667;-9.9333	1300 m
Grotte de Mpopola (see Mpopola cave), Haut Lomami or Kolwezi province	Congo (Democratic Republic of the)	25.9667;-9.9333	1450 m
Grotte de Mulonga (see Mulonga cave), near Lubudi	Congo (Democratic Republic of the)	25.9667;-9.9333	
Kaboyaboya cave, near Lubudi, near Kaio rapids, south fork Kapandula river (see also: Grotte de Kaboyaboya, Kaboyaboya grot)	Congo (Democratic Republic of the)	25.9667;-9.9333	
Kaboyaboya grot (see Kaboyaboya cave), near Lubudi, near Kaio rapids, south fork Kapandula river	Congo (Democratic Republic of the)	25.9667;-9.9333	
Kandu (cave)	Congo (Democratic Republic of the)	25.9667;-9.9333	
Kiantapo cave (see Kyantapo cave)	Congo (Democratic Republic of the)	25.9667;-9.9333	1525 m
Kiasala cave, near Lubudi (see also: Grotte de Kiasala, Grotte de Kyasala, Kiasala grot, Kyasala cave, Kyasala grande grotte, Kyasala grot)	Congo (Democratic Republic of the)	25.9667;-9.9333	1300 m
Kiasala grot (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)	25.9667;-9.9333	1300 m
Kyamakonde Cave, near Lubudi	Congo (Democratic Republic of the)	ca. 25.9667;-9.9333	
Kyantapo cave, 30 km SW Lubudi (see also: Grotte de Kyantapo, Kiantapo cave, Kyantapo grot, Lubudi, 30 km SW)	Congo (Democratic Republic of the)	25.9667;-9.9333	1525 m
Kyantapo grot (see Kyantapo cave), 30 km SW Lubudi	Congo (Democratic Republic of the)	25.9667;-9.9333	1525 m
Kyasala cave (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)	25.9667;-9.9333	1300 m
Kyasala grande grotte (see Kiasala cave)	Congo (Democratic Republic of the)	25.9667;-9.9333	1300 m
Kyasala grot (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)	25.9667;-9.9333	1300 m
Lubudi (see also: Lubudi, large cave, Lubudi, small cave, Lusolo cave)	Congo (Democratic Republic of the)	25.9667;-9.9500	1307 m
Lubudi, 30 km SW (see Kyantapo cave)	Congo (Democratic Republic of the)	25.9667;-9.9333	1525 m
Lubudi, large cave (see Lubudi)	Congo (Democratic Republic of the)	25.9667;-9.9500	1307 m

Lubudi, small cave (see Lubudi)	Congo (Democratic Republic of the)	25.9667;-9.9500	1307 m
Lubudi-Lusolo	Congo (Democratic Republic of the)	25.9667;-9.9333	
Lusolo cave (see Lubudi)	Congo (Democratic Republic of the)	25.9667;-9.9500	1307 m
Mpopola cave (see also: Grotte de Mpopola, Mpopola grot)	Congo (Democratic Republic of the)	25.9667;-9.9333	1450 m
Mpopola grot (see Mpopola cave), Haut Lomami or Kolwezi province	Congo (Democratic Republic of the)	25.9667;-9.9333	1450 m
Mulong cave (see Mulonga cave)	Congo (Democratic Republic of the)	25.9667;-9.9333	
Mulonga cave, near Lubudi (see also: Grotte de Mulonga, Mulong cave, Mulonga grot)	Congo (Democratic Republic of the)	25.9667;-9.9333	
Mulonga grot (see Mulonga cave), near Lubudi	Congo (Democratic Republic of the)	25.9667;-9.9333	

SE 09026Ab:

Kabengere	Congo (Democratic Republic of the)	26.2667;-9.1333	732 m

SE 09026Ba:

Ganza	Congo (Democratic Republic of the)	26.6967;-9.2381	860 m
Kabanga (see Kabenge)	Congo (Democratic Republic of the)	26.7486;-9.0203	788 m
Kabenge (see also: Kabanga)	Congo (Democratic Republic of the)	26.7486;-9.0203	788 m
Kateke [river], on Lualaba, Muovwe, or Lufira river (see also: Kateke)	Congo (Democratic Republic of the)	26.7167;-9.0667	
Mount Sombwe	Congo (Democratic Republic of the)	26.7200;-9.1700	

SE 09026Bb:

Kilwezi	Congo (Democratic Republic of the)	26.7667;-9.1000	854 m
Upemba National Park	Congo (Democratic Republic of the)	26.7500;-9.0000	

SE 09026Bc:

Grotte de Kasoma (see Kasoma cave)	Congo (Democratic Republic of the)	26.6167;-9.4167	
Kasoma	Congo (Democratic Republic of the)	26.6167;-9.4167	
Kasoma cave (see also: Grotte de Kasoma, Kasoma grot)	Congo (Democratic Republic of the)	26.6167;-9.4167	
Kasoma grot (see Kasoma cave)	Congo (Democratic Republic of the)	26.6167;-9.4167	

SE 09026Dd:

Mulolo	Congo (Democratic Republic of the)	26.9667;-9.9333	

SE 09027Aa:

Grotte de Kiwakishi (see Kiamokoto)	Congo (Democratic Republic of the)	27.0667;-9.1667	900 m
Grottes Kiwakishi	Congo (Democratic Republic of the)	27.2000;-9.0000	
Kiamokoto, on Lukima river (see also: Grotte de Kiwakishi, Kiwakishi cave, Kiwakishi grot)	Congo (Democratic Republic of the)	27.0667;-9.1667	900 m
Kiwakishi cave (see Kiamokoto)	Congo (Democratic Republic of the)	27.0667;-9.1667	900 m
Kiwakishi grot (see Kiamokoto)	Congo (Democratic Republic of the)	27.0667;-9.1667	900 m
Lukobwe	Congo (Democratic Republic of the)	27.2131;-9.0933	

Masombwe	Congo (Democratic Republic of the)	27.2000;-9.0833	1163 m
Mbuye-Bala river, affluent of Muye river	Congo (Democratic Republic of the)	ca. 27.0667;-9.1667	
Muvule, cave 4 km from	Congo (Democratic Republic of the)	ca. 27.2167;-9.1833	

SE 09027Db:

Kiamanwa	Congo (Democratic Republic of the)	27.9167;-9.5000	

SE 09028Bb:

Lac Moero (see Moero, lake)	Congo (Democratic Republic of the)	28.7500;-9.0000	
Lake Moero (see Moero, lake)	Congo (Democratic Republic of the)	28.7500;-9.0000	
Moero meer (see Moero, lake)	Congo (Democratic Republic of the)	28.7500;-9.0000	
Moero, lake (see also: Lac Moero, Lake Moero, Moero meer)	Congo (Democratic Republic of the)	28.7500;-9.0000	

SE 09028Ad:

Kilwa, lake Moero	Congo (Democratic Republic of the)	28.3333;-9.3000	918 m
Kilwa Island, Lake Mwern	Zambia	28.4500;-9.2667	

SE 09028Da:

Kashiobwe (see also: Kashiobwe mission, Mission Kashiobwe)	Congo (Democratic Republic of the)	28.6167;-9.6500	918 m
Kashiobwe mission (see Kashiobwe)	Congo (Democratic Republic of the)	28.6167;-9.6500	918 m
Mission Kashiobwe (see Kashiobwe)	Congo (Democratic Republic of the)	28.6167;-9.6500	918 m

SE 09029Cd:

Kawambwa	Zambia	29.3125;-9.8081	

SE 09030Ac:

Mpolokoso (see Mporokoso)	Zambia	30.1333;-9.3833	1380 m
Mporokoso (see also: Mpolokoso)	Zambia	30.1333;-9.3833	1380 m
Mporokoso Boma	Zambia	30.1667;-9.2500	4700 ft

SE 09030Cc:

Bwandela River, Mporokoso District, Ehilosi area (see also: Bwandera River)	Zambia	30.0244;-9.9856	
Bwandera River (see Bwandela River)	Zambia	30.0244;-9.9856	

SE 09031Ba:

Sinzu Mountain (see Sunzu Mountain), Mbala [=Abercorn]	Zambia	31.5000;-9.0500	5500 ft
Sunsu Mountain (see Sunzu Mountain), Mbala [=Abercorn]	Zambia	31.5000;-9.0500	5500 ft
Sunza Mountain (see Sunzu Mountain), Mbala [=Abercorn]	Zambia	31.5000;-9.0500	5500 ft
Sunzu Mountain, Mbala [=Abercorn] (see also: Sinzu Mountain, Sunsu Mountain, Sunza Mountain)	Zambia	31.5000;-9.0500	5500 ft

SE 09032Db:

Kalungu River High Water	Zambia	32.7500;-9.5000	5000 ft

SE 09033Ba:

Ilolo, near Rungwe	Tanzania		33.5833;-9.1667	1469 m
Rungwa mountains	Tanzania		33.6667;-9.1333	
Rungwe Mountains, Mwatesi Stream	Tanzania		33.6667;-9.1333	2015 m
Suma	Tanzania		33.7167;-9.2000	1452 m

SE 09033Bb:

Poroto mountains	Tanzania		33.7500;-9.0000	

SE 09033Ad:

Igale (see Itale)	Tanzania		33.3167;-9.2667	1690 m
Itale (see also: Igale)	Tanzania		33.3167;-9.2667	1690 m

SE 09033Bc:

Rungwe district	Tanzania		33.6667;-9.2500	5000 ft
Rutengani [Mission] (see Rutenganio [Mission])	Tanzania		33.6167;-9.3500	
Rutenganio [Mission] (see also: Rutengani [Mission])	Tanzania		33.6167;-9.3500	

SE 09033Ca:

Jailosi Nyondo banana plantation	Malawi		33.2333;-9.5833	
Mbirima banana plantation, near Chitipa	Malawi		33.1667;-9.5167	

SE 09033Cb:

Chinunka, 1.6 km SE	Malawi		33.3756;-9.6577	1210 m
Chipita (see Chitipa)	Malawi		33.2667;-9.7167	1242 m
Chitipa (see also: Chipita, Chitipa Township, Fort Hill)	Malawi		33.2667;-9.7167	1242 m
Chitipa Township (see Chitipa)	Malawi		33.2667;-9.7167	1242 m
Fort Hill (see Chitipa)	Malawi		33.2667;-9.7167	1242 m
Ibanda, Mtambo village	Malawi		33.4075;-9.7256	
Kamisa banana plantation, near Chitipa, Vilyaga village (see also: Kamisa, Vilyaga village)	Malawi		33.2833;-9.7000	
Kamisa, Vilyaga village (see Kamisa banana plantation), near Chitipa	Malawi		33.2833;-9.7000	
Matipa-Wilindi Ridge	Malawi	ca.	33.4333;-9.6500	
Misuku Mission (see also: Misuku-Mughese Mission, Mzedi Mission and School)	Malawi		33.4581;-9.6839	ca. 1500 m
Misuku-Mughese Mission (see Misuku Mission)	Malawi		33.4581;-9.6839	ca. 1500 m
Mzedi Mission and School (see Misuku Mission)	Malawi		33.4581;-9.6839	ca. 1500 m
Wilindi Forest	Malawi		33.4833;-9.7000	1900 m

SE 09033Da:

Misuku Hills	Malawi		33.5500;-9.6667	
Mugesse Hill	Malawi		33.5500;-9.6500	1500 m
Mughese Forest	Malawi		33.5386;-9.6549	1625 m
Mwakalukwa banana plantation, Misuku hills, near Chitipa	Malawi		33.5833;-9.6667	
Mwalingo	Malawi		33.5328;-9.6700	1460 m

SE 09033Db:

Mbeya, ca. 40 km W (see Songwe Bat Cave)	Tanzania		33.9333;-9.7000	
Muaja (see Mwaya), small port at N end Lake Nyasa	Tanzania		33.9500;-9.5500	472 m
Mvaya (see Mwaya), small port at N end Lake Nyasa	Tanzania		33.9500;-9.5500	472 m
Mwaya, small port at N end Lake Nyasa (see also: Muaja, Mvaya)	Tanzania		33.9500;-9.5500	472 m
Mwaya, southwestern	Tanzania	ca.	33.9500;-9.5500	
Songwe Bat Cave, ca. 40 km W Mbeya (see also: Mbeya, ca. 40 km W, Songwe River, Songwe-Fluss, Ssongwe Bat Cave)	Tanzania		33.9333;-9.7000	
Songwe River (see Songwe Bat Cave), ca. 40 km W Mbeya	Tanzania		33.9333;-9.7000	
Songwe-Fluss (see Songwe Bat Cave), ca. 40 km W Mbeya	Tanzania		33.9333;-9.7000	

Ssongwe Bat Cave (see Songwe Bat Cave), ca. 40 km W Mbeya	Tanzania		33.9333;-9.7000	

SE 09033Cc:

Mbalizi, 13 km W (see Tegemo farm)	Tanzania	ca.	33.2178;-9.9431	1300 m
Songwe Valley (see Tegemo farm), 13 km W Mbalizi	Tanzania	ca.	33.2178;-9.9431	1300 m
Tegemo farm, 13 km W Mbalizi (see also: Mbalizi, 13 km W, Songwe Valley)	Tanzania	ca.	33.2178;-9.9431	1300 m

SE 09033Cd:

Mafinga Mountains	Zambia		33.3500;-9.9500	1950 m
Mwenekapoka banana plantation, near Chitipa	Malawi		33.4833;-9.7667	

SE 09033Dd:

Kafikisira village	Malawi		33.8833;-9.9333	
Karonga (see also: Karonga Beach)	Malawi		33.9333;-9.9333	477 m
Karonga Beach (see Karonga)	Malawi		33.9333;-9.9333	477 m
Karonga, 10 km W, Between Lupaso and Mwawemba, on road to Chitipa	Malawi		33.8367;-9.9503	1000 m
Mwamyesya banana plantation	Malawi		33.8000;-9.9333	
Mwandwanga banana plantation	Malawi		33.8667;-9.9167	

SE 09034Ac:

Madahani [mission] (see Madehani [mission])	Tanzania		34.0333;-9.3500	
Madehani [mission] (see also: Madahani [mission])	Tanzania		34.0333;-9.3500	
Northern Matema	Tanzania		34.0325;-9.4814	

SE 09034Ca:

Langenburg (see Lumbira)	Tanzania		34.1333;-9.5667	476 m
Lumbira (see also: Langenburg, Old Langenburg, Rumbira)	Tanzania		34.1333;-9.5667	476 m
Old Langenburg (see Lumbira)	Tanzania		34.1333;-9.5667	476 m
Rumbira (see Lumbira)	Tanzania		34.1333;-9.5667	476 m

SE 09034Dd:

Mdandu Forest, 30 mi [=48 km] S Njombe (see also: Njombe, 30 mi [=48 km] S)	Tanzania		34.7833;-9.8333	
Njombe, 30 mi [=48 km] S (see Mdandu Forest)	Tanzania		34.7833;-9.8333	

SE 09035Bc:

Matumbi	Tanzania		35.5167;-9.4833	575 m
Nangoma cave?, near Matumbi	Tanzania	ca.	35.5167;-9.4833	

SE 09036Ba:

Mahenge district (see Ulanga district)	Tanzania		36.6667;-9.0000	
Matanilas	Tanzania	ca.	36.6667;-9.0000	244 m
Ulanga district (see also: Mahenge district)	Tanzania		36.6667;-9.0000	

SE 09036Bd:

Muhange	Tanzania		36.8000;-9.4333	

SE 09037Aa:

Lukoga, Mahenge	Tanzania		37.0000;-9.0000	

SE 09037Db:

Tandamanga, Liwale	Tanzania		37.8500;-9.6500	

SE 09037Dd:

Livale (see Liwale)	Tanzania		37.9333;-9.7667	468 m
Liwale	Tanzania		37.9333;-9.7667	468 m
(see also: Livale, Liwale T.T.)				
Liwale T.T. (see Liwale)	Tanzania		37.9333;-9.7667	468 m

SE 09038Ca:

Liwale district	Tanzania		38.0000;-9.5000	1900 ft

SE 09039Aa:

Kilwa district	Tanzania		39.0000;-9.0000	
Likawage, Kilwa	Tanzania		39.0000;-9.2167	132 m

SE 09039Ba:

Mangangachi, Kilwa	Tanzania		39.5000;-9.0000	
Nakibou, Kilwa	Tanzania		39.5000;-9.0000	
Namithu Kilwa	Tanzania		39.5000;-9.0000	
Namumbulu, Kilwa	Tanzania		39.5000;-9.0000	
Noamania, Kilwa	Tanzania		39.5000;-9.0000	
Songomano, Kilwa	Tanzania	ca.	39.5000;-9.0000	

SE 09039Ca:

Mawarenge	Tanzania		39.0333;-9.6000	164 m

SE 09039Cd:

Tendaguro	Tanzania		39.3333;-9.7500	
(see also: Tendaguru, Tendoguru)				
Tendaguru (see Tendaguro)	Tanzania		39.3333;-9.7500	375 m

SE 09039Dc:

Tendoguru (see Tendaguro), Likwaje [=Likwaya]	Tanzania		39.5667;-9.8167	

SE 09046Ac:

Picard Island	Seychelle Islands		46.2167;-9.3667	
(see also: West Island)				
West Island (see Picard Island)	Seychelle Islands		46.2167;-9.3667	

SE 09046Ad:

Aldabra Island	Seychelle Islands		46.3667;-9.4167	
East Channel, E shore	Seychelle Islands	ca.	46.4500;-9.3667	
(see also: Houareau passe)				
Houareau passe (see East Channel, E shore)	Seychelle Islands	ca.	46.4500;-9.3667	

SE 10014Aa:

Mumbondo	Angola		14.1167;-10.1167	

SE 10014Cd:

Congulu	Angola		14.3800;-10.8800	
Gabela	Angola		14.3800;-10.8800	

SE 10015Ab:

Calulo, 40 km E	Angola		15.3333;-10.0167	

SE 10019Ba:

Alto Cuilo	Angola		19.5500;-10.0167	1264 m
(see also: Alto Kwilu, Cuilo)				
Alto Kwilu (see Alto Cuilo)	Angola		19.5500;-10.0167	1264 m
Cuilo (see Alto Cuilo)	Angola		19.5500;-10.0167	1264 m

SE 10019Cc:

Alto Chicapa (see also: Alto Chikapa, Alto Shikapa)	Angola	19.2333;-10.8833	1305 m
Alto Chikapa (see Alto Chicapa)	Angola	19.2333;-10.8833	1305 m
Alto Shikapa (see Alto Chicapa)	Angola	19.2333;-10.8833	1305 m
Luica River (see Rio Luica), affluent of R. Cuango-Muqué, Alto Chicapa	Angola	19.2000;-10.7667	ca. 1270 m
Rio Luica, affluent of R. Cuango-Muqué, Alto Chicapa (see also: Luica River)	Angola	19.2000;-10.7667	ca. 1270 m

SE 10020Ac:

Cambo, 60 km N	Angola	20.1000;-10.3333	

SE 10021Db:

Cassai (see also: Cassai Sul, Tonga)	Angola	21.9667;-10.5833	1053 m
Cassai Sul (see Cassai)	Angola	21.9667;-10.5833	1053 m
Tonga (see Cassai)	Angola	21.9667;-10.5833	1053 m

SE 10022Ad:

Dilolo (see also: Dilolo station, Dilolo, poste, Kayombe)	Congo (Democratic Republic of the)	22.4667;-10.4667	1069 m
Dilolo station (see Dilolo)	Congo (Democratic Republic of the)	22.4667;-10.4667	1069 m
Dilolo, poste (see Dilolo)	Congo (Democratic Republic of the)	22.4667;-10.4667	1069 m
Kayombe (see Dilolo)	Congo (Democratic Republic of the)	22.4667;-10.4667	1069 m

SE 10022Db:

Kapushia	Congo (Democratic Republic of the)	22.8667;-10.6833	965 m

SE 10023Ad:

Kasaji	Congo (Democratic Republic of the)	23.4500;-10.3667	1087 m
Kasaji Malonga	Congo (Democratic Republic of the)	23.4500;-10.4500	

SE 10024Cc:

Jimbe Stream	Zambia	24.0833;-10.9500	
Kanyale stream	Zambia	24.1167;-10.9667	
Mushitv, headwaters interior of, Kanyale stream	Zambia	24.1167;-10.9667	
Salujinga	Zambia	24.1167;-10.9667	1324 m
Zambezi rapids, Ikelempe	Zambia	24.0333;-10.9833	

SE 10025Ac:

M'Pala, Kazenze	Congo (Democratic Republic of the)	25.2167;-10.4833	

SE 10025Bd:

Katentania	Congo (Democratic Republic of the)	25.9000;-10.3167	1597 m

SE 10025Ca:

Kanzenze mission (see also: Liège Sacre-Coeur mission, Mission de Liège Sacre-Coeur)	Congo (Democratic Republic of the)	25.2000;-10.5167	1157 m
Liège Sacre-Coeur mission (see Kanzenze mission)	Congo (Democratic Republic of the)	25.2000;-10.5167	1157 m
Mission de Liège Sacre-Coeur (see Kanzenze mission)	Congo (Democratic Republic of the)	25.2000;-10.5167	1157 m

SE 10025Cb:

Kolwezi	Congo (Democratic Republic of the)	25.4725;-10.7167	1448 m

SE 10025Da:

Kalutenge	Congo (Democratic Republic of the)	25.6167;-10.5000	

SE 10025Cd:

Dikul River (see Dikulwe cave)	Congo (Democratic Republic of the)	25.3667;-10.7500	
Dikuluwe cave (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers	Congo (Democratic Republic of the)	25.3667;-10.7500	
Dikuluwe grot (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers	Congo (Democratic Republic of the)	25.3667;-10.7500	
Dikulwe cave, at confluence of Dikulwe and Kimembe rivers (see also: Dikul River, Dikuluwe cave, Dikuluwe grot, Grotte de Dikuluwe)	Congo (Democratic Republic of the)	25.3667;-10.7500	
Dikulwe river	Congo (Democratic Republic of the)	25.3667;-10.7500	
Grotte de Dikuluwe (see Dikulwe cave), at confluence of Dikulwe and Kimembe rivers	Congo (Democratic Republic of the)	25.3667;-10.7500	

SE 10026Bd:

Bunkeya (see also: Bunkeye)	Congo (Democratic Republic of the)	26.9667;-10.4000	1008 m
Bunkeye (see Bunkeya)	Congo (Democratic Republic of the)	26.9667;-10.4000	1008 m

SE 10026Ca:

Likasi, 130 km N (see Tenke)	Congo (Democratic Republic of the)	26.1167;-10.5833	1512 m
Mwelampande (see Tenke), 130 km N Likasi	Congo (Democratic Republic of the)	26.1167;-10.5833	1512 m
Mwela-Pande cave (see Tenke), 130 km N Likasi	Congo (Democratic Republic of the)	26.1167;-10.5833	1512 m
Tenke, 130 km N Likasi (see also: Likasi, 130 km N, Mwelampande, Mwela-Pande cave)	Congo (Democratic Republic of the)	26.1167;-10.5833	1512 m

SE 10026Cb:

Kakanda Mutaka	Congo (Democratic Republic of the)	26.3833;-10.7333	

SE 10026Db:

Panda (see Pande), near Likasi	Congo (Democratic Republic of the)	26.8333;-10.6167	1140 m
Pande, near Likasi (see also: Panda)	Congo (Democratic Republic of the)	26.8333;-10.6167	1140 m
Pandé, forest N of	Congo (Democratic Republic of the)	ca. 26.8333;-10.6167	ca. 1100 m

SE 10026Cc:

Grotte de Kando (see Kando cave)	Congo (Democratic Republic of the)	26.1167;-10.8167	
Kando cave (see also: Grotte de Kando, Kando grot)	Congo (Democratic Republic of the)	26.1167;-10.8167	
Kando grot (see Kando cave)	Congo (Democratic Republic of the)	26.1167;-10.8167	

SE 10026Dc:

Abysse de Swanepoel II, near Kambove	Congo (Democratic Republic of the)	26.6833;-10.8500	ca. 1350 m
Defrenne cave (see Mwanga cave)	Congo (Democratic Republic of the)	26.6500;-10.9667	
Defrenne grot (see Mwanga cave)	Congo (Democratic Republic of the)	26.6500;-10.9667	
Dethiox caves (see Kambove)	Congo (Democratic Republic of the)	26.6500;-10.8333	
Dethiox grotten (see Kambove)	Congo (Democratic Republic of the)	26.6500;-10.8333	
Detioux Cave (see Kambove)	Congo (Democratic Republic of the)	26.6500;-10.8333	
Farm 'des grands bois' (see Likasi)	Congo (Democratic Republic of the)	26.7333;-10.9814	1318 m
Grotte de Defrenne (see Mwanga cave)	Congo (Democratic Republic of the)	26.6500;-10.9667	
Grotte de Kakanda (see Kakanda cave), Kolwezi or Haut Katanga province	Congo (Democratic Republic of the)	26.6000;-10.7833	1438 m
Grotte de Kakontwe (see Kakontwe cave), Likasi, ca. 8 km S	Congo (Democratic Republic of the)	26.6333;-10.9833	1294 m
Grotte de Kalomoni (see Kakontwe)	Congo (Democratic Republic of the)	26.6667;-10.9833	1294 m
Grotte de Kalumbu (see Kalumbu cave), near Kabolela, near Likasi	Congo (Democratic Republic of the)	26.6500;-10.8500	
Grotte de Kasowena (see Kasowena cave)	Congo (Democratic Republic of the)	26.6500;-10.9667	
Grotte de Kondo (see Kakanda cave)	Congo (Democratic Republic of the)	26.6000;-10.7833	1438 m
Grotte de Mulungwishi (see Mulungwishi, cave), near Likasi	Congo (Democratic Republic of the)	26.6311;-10.7828	1366 m
Grotte de Mwanga (see Mwanga cave), 15 km S Likasi	Congo (Democratic Republic of the)	26.6500;-10.9667	
Grotte Swanepoel I (see Swanepoel I cave), near Kambove	Congo (Democratic Republic of the)	26.6500;-10.8333	ca. 1350 m
Grottes de Dethiox (see Kambove)	Congo (Democratic Republic of the)	26.6500;-10.8333	
Jadotstad (see Likasi)	Congo (Democratic Republic of the)	26.7333;-10.9814	1318 m
Jadotsville (see Likasi)	Congo (Democratic Republic of the)	26.7333;-10.9814	1318 m
Jadotville (see Likasi)	Congo (Democratic Republic of the)	26.7333;-10.9814	1318 m
Jadotville, ca. 8 km S (see Kakontwe)	Congo (Democratic Republic of the)	26.6667;-10.9833	1253 m
Jadoville (see Likasi)	Congo (Democratic Republic of the)	26.7333;-10.9814	1318 m
Kakanda cave, on Lualaba (see also: Grotte de Kakanda, Grotte de Kondo, Kakanda grot, Kondo cave, Kondo grot)	Congo (Democratic Republic of the)	26.6000;-10.7833	1438 m
Kakanda grot (see Kakanda cave), on Lualaba	Congo (Democratic Republic of the)	26.6000;-10.7833	1438 m
Kakontwa (see Kakontwe), road to Kambove	Congo (Democratic Republic of the)	26.6667;-10.9833	1253 m
Kakontwe, road to Kambove, ca. 8 km S Likasi (see also: Grotte de Kalomoni, Jadotville, ca. 8 km S, Kakontwa, Kakontwe Camp, Kalomoni cave, Kalomoni grot, Likasi, ca. 8 km S)	Congo (Democratic Republic of the)	26.6667;-10.9833	1253 m
Kakontwe Camp (see Kakontwe), Likasi, ca. 8 km S	Congo (Democratic Republic of the)	26.6667;-10.9833	1253 m
Kakontwe cave, Likasi, ca. 8 km S (see also: Grotte de Kakontwe, Kakontwe grot)	Congo (Democratic Republic of the)	26.6333;-10.9833	1294 m
Kakontwe grot (see Kakontwe cave), Likasi, ca. 8 km S	Congo (Democratic Republic of the)	26.6333;-10.9833	1294 m
Kalomoni cave (see Kakontwe), Likasi, 8 km S	Congo (Democratic Republic of the)	26.6667;-10.9833	1294 m
Kalomoni grot (see Kakontwe), Likasi, 8 km S	Congo (Democratic Republic of the)	26.6667;-10.9833	1294 m
Kalumbu cave, near Kabolela, near Likasi (see also: Grotte de Kalumbu, Kalumbu grot)	Congo (Democratic Republic of the)	26.6500;-10.8500	
Kalumbu grot (see Kalumbu cave), near Kabolela, near Likasi	Congo (Democratic Republic of the)	26.6500;-10.8500	

Kambove, 10 km Shinkolobwe and 35 km Jadotville (see also: Dethiox caves, Dethiox grotten, Detioux Cave, Grottes de Dethiox)	Congo (Democratic Republic of the)		26.6500;-10.8333	
Kasowena cave (see also: Grotte de Kasowena, Kasowena grot)	Congo (Democratic Republic of the)		26.6500;-10.9667	
Kasowena grot (see Kasowena cave)	Congo (Democratic Republic of the)		26.6500;-10.9667	
Kondo cave (see Kakanda cave)	Congo (Democratic Republic of the)		26.6000;-10.7833	1438 m
Kondo grot (see Kakanda cave)	Congo (Democratic Republic of the)		26.6000;-10.7833	1438 m
Likasi (see also: Farm 'des grands bois', Jadotstad, Jadotsville, Jadotville, Jadoville, Mission Sainte Thérèse, Panda Camp, St Therese mission, St. Theresa mission)	Congo (Democratic Republic of the)		26.7333;-10.9814	1318 m
Likasi, ca. 8 km S (see Kakontwe)	Congo (Democratic Republic of the)		26.6667;-10.9833	1253 m
Mission Sainte Thérèse (see Likasi)	Congo (Democratic Republic of the)		26.7333;-10.9814	1318 m
Mulungwishi	Congo (Democratic Republic of the)		26.6311;-10.7828	
Mulungwishi, cave, near Likasi (see also: Grotte de Mulungwishi)	Congo (Democratic Republic of the)		26.6311;-10.7828	1366 m
Mura pumping station, near Likasi	Congo (Democratic Republic of the)		26.5333;-10.9667	
Mwanga cave, 15 km S Likasi (see also: Defrenne cave, Defrenne grot, Grotte de Defrenne, Grotte de Mwanga, Jadotstad, 15 km S, Jadotville, 15 km S, Likasi, 15 km S, Mwanga grot)	Congo (Democratic Republic of the)		26.6500;-10.9667	
Mwanga grot (see Mwanga cave), 15 km S Likasi	Congo (Democratic Republic of the)		26.6500;-10.9667	
Panda Camp (see Likasi)	Congo (Democratic Republic of the)		26.7333;-10.9814	1318 m
St Therese mission (see Likasi)	Congo (Democratic Republic of the)		26.7333;-10.9814	1318 m
St. Theresa mission (see Likasi)	Congo (Democratic Republic of the)		26.7333;-10.9814	1318 m
Swanepoel I cave, near Kambove (see also: Grotte Swanepoel I, Swanepoel I grot)	Congo (Democratic Republic of the)		26.6500;-10.8333	ca. 1350 m
Swanepoel I grot (see Swanepoel I cave), near Kambove	Congo (Democratic Republic of the)		26.6500;-10.8333	ca. 1350 m
Swanepoel II abyss, near Kambove	Congo (Democratic Republic of the)		26.7000;-10.8500	ca. 1350 m

SE 10026Dd:

Crevettes cave, 15 km S Likasi	Congo (Democratic Republic of the)		26.7833;-10.9667	
Grotte de Pempere (see Pempere cave), 15 km S Likasi	Congo (Democratic Republic of the)		26.7833;-10.9667	
Kamatanda, near Likasi	Congo (Democratic Republic of the)		26.7667;-10.9500	
Lufira River, upper (see also: Lupufa River, near)	Congo (Democratic Republic of the)	ca.	26.9950;-10.9075	
Lupufa River, near (see Lufira River, upper)	Congo (Democratic Republic of the)	ca.	26.9950;-10.9075	
Mufunga, on Kufua (or Lufua) river	Congo (Democratic Republic of the)		26.7833;-10.9667	
Pempere cave, 15 km S Likasi (see also: Grotte de Pempere, Pimpin cave)	Congo (Democratic Republic of the)		26.7833;-10.9667	
Pimpin cave (see Pempere cave), 15 km S Likasi	Congo (Democratic Republic of the)		26.7833;-10.9667	

SE 10027Ab:

Lofoi [river]	Congo (Democratic Republic of the)		27.4167;-10.2167	

SE 10027Ba:

Katanga	Congo (Democratic Republic of the)	ca.	27.5000;-10.0000	

Katanga s	Congo (Democratic Republic of the)		27.5000;-10.0000	

SE 10027Bc:

Kaloba, 5 km from	Congo (Democratic Republic of the)	ca.	27.6167;-10.2667	

SE 10027Bd:

Katwé	Congo (Democratic Republic of the)		27.8583;-10.4642	

SE 10027Cb:

Lubwe	Congo (Democratic Republic of the)		27.3758;-10.7156	

SE 10027Da:

Eidolon land, E of Kundulungu	Congo (Democratic Republic of the)	ca.	27.5000;-10.5000	
Kundelungu National Park (see also: Park National de Kundelungo)	Congo (Democratic Republic of the)	ca.	27.5000;-10.5000	
Lukafu	Congo (Democratic Republic of the)		27.5500;-10.5167	930 m
Park National de Kundelungo (see Kundelungu National Park)	Congo (Democratic Republic of the)	ca.	27.5000;-10.5000	

SE 10027Cd:

Muradingusha (see Mwadingusha)	Congo (Democratic Republic of the)		27.2500;-10.7500	1158 m
Mwadingusha, electricity plant	Congo (Democratic Republic of the)		27.2500;-10.7500	1158 m
Mwadingusha (see also: Muradingusha)	Congo (Democratic Republic of the)		27.2500;-10.7500	1158 m
Salomoni Cave	Congo (Democratic Republic of the)		27.2800;-10.9800	

SE 10028Bc:

Chibambo (see Shibambo)	Congo (Democratic Republic of the)		28.6167;-10.3000	928 m
Kasenga (see also: Kasenga mission, Mission Kasenga)	Congo (Democratic Republic of the)		28.6333;-10.3667	938 m
Kasenga mission (see Kasenga)	Congo (Democratic Republic of the)		28.6333;-10.3667	938 m
Kasenga territory	Congo (Democratic Republic of the)		28.6333;-10.3667	
Mission Kasenga (see Kasenga)	Congo (Democratic Republic of the)		28.6333;-10.3667	938 m
Shibambo (see also: Chibambo, Shibombo, Tshibambo)	Congo (Democratic Republic of the)		28.6167;-10.3000	928 m
Shibombo (see Shibambo)	Congo (Democratic Republic of the)		28.6167;-10.3000	928 m
Tshibambo (see Shibambo)	Congo (Democratic Republic of the)		28.6167;-10.3000	928 m

SE 10028Cb:

Kasenga road, km 106	Congo (Democratic Republic of the)		28.4333;-10.7333	

SE 10029Ca:

Chishela dambo, Mporokoso district	Zambia		29.2167;-10.7167	

SE 10029Dd:

Nsombo	Zambia		29.9500;-10.8167	1175 m

SE 10031Aa:

Kasama	Zambia	31.2000;-10.2000	1240 m
Kasama Boma	Zambia	31.1667;-10.2167	4500 ft
Mbesuma (see Mbesuma Ranch)	Zambia	31.1667;-10.0333	1484 m
Mbesuma Farm (see Mbesuma Ranch)	Zambia	31.1667;-10.0333	1484 m
Mbesuma Ranch	Zambia	31.1667;-10.0333	1484 m
(see also: Mbesuma, Mbesuma Farm)			

SE 10031Bd:

Chembeshi River, Kasama	Zambia	31.9667;-10.3333	4000 ft

SE 10032Ba:

Isoka	Zambia	32.6333;-10.1667	1500 m

SE 10032Cb:

Muyombe	Zambia	32.4667;-10.5833	1401 m

SE 10033Aa:

Luwushi Stream	Zambia	33.0000;-10.0000	5500 ft

SE 10033Bb:

Malema (Camp)	Malawi	33.9473;-10.0275	

SE 10033Ad:

Makuto Mountains (see Makutu Mountains)	Zambia	33.2500;-10.4167	2070 m
Makutu Mountains	Zambia	33.2500;-10.4167	2070 m
(see also: Makuto Mountains)			
Moemba village, Isoka district	Zambia	33.3333;-10.4000	1440 m
(see also: Mpemba village)			
Mpemba village (see Moemba village)	Zambia	33.3333;-10.4000	1440 m

SE 10033Bd:

Mondwe Valley	Malawi	33.8333;-10.4000	1700 m
Nganda, E slope of mount	Malawi	33.8667;-10.4500	2300 m

SE 10033Cb:

Nyika Plateau	Zambia	33.2500;-10.6333	
(see also: Nsefu Game Camp)			

SE 10033Da:

Zovo Chipolo Forest	Malawi	33.7128;-10.5808	2230 m

SE 10033Db:

Chelinda	Malawi	33.8000;-10.5833	2300 m
(see also: Chilinda Camp)			
Chilinda Camp (see Chelinda)	Malawi	33.8000;-10.5833	2300 m
Chilinda dam	Malawi	33.8111;-10.5883	
Chilinda dam 2, below	Malawi	33.8081;-10.5806	
Kaulime, lake (see Lake Kaulime)	Malawi	33.7597;-10.5773	2350 m
Lake Kaulime	Malawi	33.7597;-10.5773	2350 m
(see also: Kaulime, lake)			

SE 10033Cd:

Mvaza Marsh Game Park, Tented camp	Malawi	33.4500;-10.8833	

SE 10034Ca:

Kondowe (see Livingstonia)	Malawi	34.1064;-10.6061	1276 m

Livingstonia (see also: Kondowe, Livingstonia Mission)	Malawi	34.1064;-10.6061	1276 m
Livingstonia Mission (see Livingstonia)	Malawi	34.1064;-10.6061	1276 m

SE 10034Db:

Ruanda farm	Tanzania	34.9500;-10.5500	

SE 10035Da:

Songea (see also: Ssongea)	Tanzania	35.6500;-10.6833	1182 m
Ssongea (see Songea)	Tanzania	35.6500;-10.6833	1182 m

SE 10035Cc:

Lipumba, Matengo Heights	Tanzania	35.0333;-10.8500	1266 m

SE 10036Bb:

Mbarangandu, Liwale	Tanzania	36.8000;-10.2000	753 m

SE 10036Ca:

Songea district	Tanzania	36.0000;-10.6667	

SE 10038Ba:

Mbemba	Tanzania	38.5167;-10.0500	265 m

SE 10038Bb:

Ruangwa	Tanzania	38.9333;-10.0667	363 m

SE 10038Bd:

Nachingwa (see Nachingwea)	Tanzania	38.7667;-10.3833	380 m
Nachingwea (see also: Nachingwa)	Tanzania	38.7667;-10.3833	380 m

SE 10038Cb:

Nachingwea district	Tanzania	38.3333;-10.5000	

SE 10039Ab:

Lindi district	Tanzania	39.3333;-10.0000	
Lindi, 50-60 km W (see Rondo Forest Reserve)	Tanzania	39.2500;-10.1500	ca. 473 m
Mnara	Tanzania	39.4000;-10.1167	
Rondo Flat [forest] (see Rondo Forest Reserve), 50-60 km W Lindi	Tanzania	39.2500;-10.1500	ca. 473 m
Rondo Forest Reserve, 50-60 km W Lindi (see also: Lindi, 50-60 km W, Rondo Flat [forest])	Tanzania	39.2500;-10.1500	ca. 473 m

SE 10039Ba:

Lindi	Tanzania	39.7167;-10.0000	0 m
Lindi, 25 km W (see Litipo Forest Reserve)	Tanzania	39.5000;-10.0333	
Litipo Forest Reserve, 25 km W Lindi (see also: Lindi, 25 km W)	Tanzania	39.5000;-10.0333	

SE 10039Cd:

Newala	Tanzania	39.3000;-10.9333	620 m

SE 10040Ac:

Mikindani (see also: Old Mikindani)	Tanzania	40.1167;-10.2833	17 m
Old Mikindani (see Mikindani)	Tanzania	40.1167;-10.2833	17 m

SE 10040Ca:

Kitaya, Ruvuma River	Tanzania	40.1667;-10.6500	45 m
Mtware district	Tanzania	40.0000;-10.5000	

SE 11013Bd:

Novo Redondo, near (see Sumbe, near)	Angola	13.8800;-11.3800	
Sumbe, near (see also: Novo Redondo, near)	Angola	13.8800;-11.3800	

SE 11014Ab:

Gabela, 30 km S	Angola	14.3667;-11.1212	

SE 11017Aa:

Dande, 35 km E (see Dando, 35 km E)	Angola	17.1667;-11.1667	
Dando, 35 km E (see also: Dande, 35 km E)	Angola	17.1667;-11.1667	

SE 11017Ab:

Chissonque	Angola	17.2500;-11.0833	3650 ft
Gauca River	Angola	17.2500;-11.0833	3650 ft

SE 11017Ac:

Chitau	Angola	17.1500;-11.4167	1503 m

SE 11019Dd:

Luena (see also: Luene, Luso, Luzo, Vila Luso, Vila Luzo, Vila Luzu, Villa Luso)	Angola	19.9167;-11.7833	1291 m
Luene (see Luena)	Angola	19.9167;-11.7833	1291 m
Luso (see Luena)	Angola	19.9167;-11.7833	1291 m
Luzo (see Luena)	Angola	19.9167;-11.7833	1291 m
Vila Luso (see Luena)	Angola	19.9167;-11.7833	1291 m
Vila Luzo (see Luena)	Angola	19.9167;-11.7833	1291 m
Vila Luzu (see Luena)	Angola	19.9167;-11.7833	1291 m
Villa Luso (see Luena)	Angola	19.9167;-11.7833	1291 m

SE 11020Aa:

Dala, 15 km W, on Tshiumbe River	Angola	20.2000;-11.0333	1224 m

SE 11020Db:

Calundo, Lake (see also: Lac Calundo, Lake Calundo, Luso, 105 km E)	Angola	20.8000;-11.7167	1150 m
Lac Calundo (see Calundo, Lake)	Angola	20.8000;-11.7167	1150 m
Lake Calundo (see Calundo, Lake)	Angola	20.8000;-11.7167	1150 m
Luso, 105 km E (see Calundo, Lake)	Angola	20.8000;-11.7167	1150 m

SE 11021Ba:

Dilõlo (see Luacano)	Angola	21.6619;-11.2250	1063 m
Lago Dilõlo (see Luacano)	Angola	21.6619;-11.2250	1063 m
Luacano (see also: Dilõlo, Lago Dilõlo, Luakanu, Lucano)	Angola	21.6619;-11.2250	1063 m
Luakanu (see Luacano)	Angola	21.6619;-11.2250	1063 m
Lucano (see Luacano)	Angola	21.6619;-11.2250	1063 m

SE 11024Ad:

Ikelenge Pedicle between the Sakeji and Zambezi rivers, approximately 11 km NNE of source of Zambezi river, Kavunda, Mwinilunga district	Zambia	24.3500;-11.2833	1388 m
Mwinilunga, on Sakeji Stream	Zambia	24.2500;-11.3500	4700 ft

Sakei stream, headwaters (see Sakeji stream, headwaters)	Zambia	24.2500;-11.3500	436 m
Sakeji stream, headwaters (see also: Sakei stream, headwaters, Sekezhi stream, headwaters)	Zambia	24.2500;-11.3500	436 m
Sekezhi stream, headwaters (see Sakeji stream, headwaters)	Zambia	24.2500;-11.3500	436 m

SE 11024Da:

Luakela River (see also: Luakera River)	Zambia	24.5167;-11.6000	
Luakera River (see Luakela River)	Zambia	24.5167;-11.6000	

SE 11026Ab:

Chinkolobwe (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Dethioux Farm, cave I (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Dethioux Farm, cave II (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Dethioux Farm, Tantara cave (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Dethioux hoeve, grot I (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Dethioux hoeve, grot II (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Dethioux hoeve, Tantara grot (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Grotte de Tantara, ferme Dethioux (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Grotte I, ferme Dethioux (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Grotte II, ferme Dethioux (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Shainkolobwe (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Shinkolobwe, road to Kasenga (see also: Chinkolobwe, Dethioux Farm, cave I, Dethioux Farm, cave II, Dethioux Farm, Tantara cave, Dethioux hoeve, grot I, Dethioux hoeve, grot II, Dethioux hoeve, Tantara grot, Grotte de Tantara, ferme Dethioux, Grotte I, ferme Dethioux, Grotte II, ferme Dethioux, Shainkolobwe, Tantara cave, Trou aux Serpents)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Tantara cave (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m
Trou aux Serpents (see Shinkolobwe)	Congo (Democratic Republic of the)	26.4833;-11.0333	1334 m

SE 11026Ba:

Kakonde river	Congo (Democratic Republic of the)	26.5208;-11.0775	

SE 11026Bb:

Kapolowe, St. Gerard mission (see also: Kapolowe mission, Mission St Gerard, St Gerard mission)	Congo (Democratic Republic of the)	26.9500;-11.0333	1135 m
Kapolowe mission (see Kapolowe)	Congo (Democratic Republic of the)	26.9500;-11.0333	1135 m
Mission St Gerard (see Kapolowe)	Congo (Democratic Republic of the)	26.9500;-11.0333	1135 m
St Gerard mission (see Kapolowe)	Congo (Democratic Republic of the)	26.9500;-11.0333	1135 m

SE 11026Dc:

Grotte de Tshamalenge (see Tshamalenge cave)	Congo (Democratic Republic of the)	26.5000;-11.7667	
Mumena, 70 km E Lubumbashi	Congo (Democratic Republic of the)	26.5167;-11.7667	1460 m

Tshamalenge cave (see also: Grotte de Tshamalenge)	Congo (Democratic Republic of the)	26.5000;-11.7667	

SE 11027Ad:

Kinke, near Lubumbashi	Congo (Democratic Republic of the)	27.4833;-11.4500	1287 m
Mwera	Congo (Democratic Republic of the)	27.3000;-11.3167	

SE 11027Bc:

Tshisangwe	Congo (Democratic Republic of the)	27.6500;-11.4667	

SE 11027Bd:

Kasengo (see also: Kasongo)	Congo (Democratic Republic of the)	27.9678;-11.4411	1147 m
Kasongo (see Kasengo)	Congo (Democratic Republic of the)	27.9678;-11.4411	1147 m
Kifumwanshi	Congo (Democratic Republic of the)	27.8500;-11.4500	
Lubumbashi, 69 km E (see Musonge)	Congo (Democratic Republic of the)	27.8667;-11.4667	1183 m
Mukuta (see Mututa)	Congo (Democratic Republic of the)	27.7833;-11.3500	1229 m
Musonge, 69 km E Lubumbashi (see also: Lubumbashi, 69 km E)	Congo (Democratic Republic of the)	27.8667;-11.4667	1183 m
Mututa (see also: Mukuta)	Congo (Democratic Republic of the)	27.7833;-11.3500	1229 m

SE 11027Cb:

Baga Cave, near Lubumbashi	Congo (Democratic Republic of the)	ca. 27.4667;-11.6667	
Elisabethstad (see Lubumbashi)	Congo (Democratic Republic of the)	27.4333;-11.6667	1209 m
Elisabethville (see Lubumbashi)	Congo (Democratic Republic of the)	27.4333;-11.6667	1209 m
Elizabethville (see Lubumbashi)	Congo (Democratic Republic of the)	27.4667;-11.6667	1208 m
E'ville (see Lubumbashi)	Congo (Democratic Republic of the)	27.4333;-11.6667	1209 m
Inakiluba (see also: Nakiluba, Nakilubo)	Congo (Democratic Republic of the)	27.3167;-11.5667	1280 m
Kamp u.m.H(aut).K(atanga)., on a banana tree (see also: Kamp U.M.H.K.)	Congo (Democratic Republic of the)	27.4833;-11.6833	
Kamp U.M.H.K. (see Kamp u.m.H(aut).K(atanga).), near Elisabethville	Congo (Democratic Republic of the)	27.4833;-11.6833	
Kapaso	Congo (Democratic Republic of the)	27.4833;-11.6667	
Karavia [mine]	Congo (Democratic Republic of the)	27.2833;-11.6500	
Kasapa	Congo (Democratic Republic of the)	27.4167;-11.5667	1243 m
Keyberg, near Lubumbashi	Congo (Democratic Republic of the)	27.4167;-11.7167	
Kimilolo	Congo (Democratic Republic of the)	27.4167;-11.7000	
Kipopo	Congo (Democratic Republic of the)	27.3500;-11.5667	
Lubumbashi (see also: Elisabethstad, Elisabethville, Elizabethville, E'ville, Lumumbashi)	Congo (Democratic Republic of the)	27.4667;-11.6667	1208 m
Lumumbashi (see Lubumbashi)	Congo (Democratic Republic of the)	27.4333;-11.6667	1209 m
Madimao	Congo (Democratic Republic of the)	27.4833;-11.6667	
Mimbulu	Congo (Democratic Republic of the)	27.3167;-11.7167	
Nakiluba (see Inakiluba)	Congo (Democratic Republic of the)	27.3167;-11.5667	1280 m
Nakilubo (see Inakiluba)	Congo (Democratic Republic of the)	27.3167;-11.5667	1280 m

Vinamont Farm, near Elisabethville	Congo (Democratic Republic of the)		27.4833;-11.6833	

SE 11027Da:

Bulaga (see Kasenga road, km 37)	Congo (Democratic Republic of the)		27.6667;-11.6167	
Kalulako	Congo (Democratic Republic of the)		27.5667;-11.7000	
Kasenga road, km 37 (see also: Bulaga)	Congo (Democratic Republic of the)		27.6667;-11.6167	
Kenya, near Lubumbashi	Congo (Democratic Republic of the)		27.5000;-11.7333	1119 m
Kikanda	Congo (Democratic Republic of the)		27.6167;-11.5500	
Kilobelobe (see Kilobilobe)	Congo (Democratic Republic of the)		27.5667;-11.7000	
Kilobilobe (see also: Kilobelobe)	Congo (Democratic Republic of the)		27.5667;-11.7000	
Kisiushi, Kinke - Elisabethville [=Lubumbashi] road	Congo (Democratic Republic of the)		27.5000;-11.5000	
Shindaika	Congo (Democratic Republic of the)		27.6833;-11.6500	

SE 11027Cc:

Kipushi	Congo (Democratic Republic of the)		27.2333;-11.7667	1329 m
Kipushi territory	Congo (Democratic Republic of the)		27.2333;-11.7667	

SE 11027Cd:

Baga cave (see Baya cave)	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
Baya carrière (see Baya quarry), 30 km S Lubumbashi	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
Baya cave (see Baya quarry) (see also: Baga cave, Grotte de Baya, Grotte de M'baya, M'baya cave, M'baya grot)	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
Baya grot (see Baya quarry)	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
Baya quarry, 30 km S Lubumbashi (see also: Baya carrière, Baya cave, Baya grot, Carrière Baya, Carrière Pierkat, Lubumbashi, 30 km S, Pierkat quarry)	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
Carrière Baya (see Baya quarry), 30 km S Lubumbashi	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
Carrière Pierkat (see Baya quarry)	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
Ferme Wasseige (see Wasseige farm)	Congo (Democratic Republic of the)		27.3333;-11.8292	
Grotte de Baya (see Baya cave)	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
Grotte de M'baya (see Baya cave), near Lubumbashi	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
Kaponda (see also: Kaponde, Kapondo)	Congo (Democratic Republic of the)		27.3333;-11.7500	1274 m
Kaponde (see Kaponda)	Congo (Democratic Republic of the)		27.3333;-11.7500	1274 m
Kapondo (see Kaponda)	Congo (Democratic Republic of the)		27.3333;-11.7500	1274 m
Kipushi, 15 km from (see Wasseige farm)	Congo (Democratic Republic of the)		27.3333;-11.8292	
Kipushi, road to	Congo (Democratic Republic of the)	ca.	27.2500;-11.7500	
Lubumbashi, 30 km S (see Baya quarry)	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
M'baya cave (see Baya cave), near Lubumbashi	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
M'baya grot (see Baya cave), near Lubumbashi	Congo (Democratic Republic of the)		27.4500;-11.8667	1279 m
Mukuen (see also: Mukween, Mukwen, Mukwena)	Congo (Democratic Republic of the)		27.4500;-11.7667	

Mukween (see Mukuen)	Congo (Democratic Republic of the)	27.4500;-11.7667	
Mukwen (see Mukuen)	Congo (Democratic Republic of the)	27.4500;-11.7667	
Mukwena (see Mukuen)	Congo (Democratic Republic of the)	27.4500;-11.7667	
Pierkat quarry (see Baya quarry)	Congo (Democratic Republic of the)	27.4500;-11.8667	1279 m
Wasseige boerderij (see Wasseige farm)	Congo (Democratic Republic of the)	27.3333;-11.8292	
Wasseige farm, near Elisabethville (see also: Ferme Wasseige, Kipushi, 15 km from, Wasseige boerderij)	Congo (Democratic Republic of the)	27.3333;-11.8292	

SE 11028Aa:

Kasenga road, km 67	Congo (Democratic Republic of the)	28.1167;-11.0000	
Lubumbashi, 68 km E	Congo (Democratic Republic of the)	28.1333;-11.1167	
Lubumbashi, 70 km E (see Mumena)	Congo (Democratic Republic of the)	28.1333;-11.0667	
Mumena, 70 km E Lubumbashi (see also: Lubumbashi, 70 km E, Mumene)	Congo (Democratic Republic of the)	28.1333;-11.0667	1460 m
Mumene (see Mumena), 40 km E Lubumbashi	Congo (Democratic Republic of the)	28.1333;-11.0667	

SE 11028Bb:

Fort Roseberry - Lubumbashi, between (see Mansa - Lubumbashi, between)	Zambia	28.8833;-11.1833	
Mansa - Lubumbashi, between (see also: Fort Roseberry - Lubumbashi, between, Mbila - Lubumbashi, between, Roseberry - Lubumbashi, between)	Zambia	28.8833;-11.1833	
Mbila - Lubumbashi, between (see Mansa - Lubumbashi, between)	Zambia	28.8833;-11.1833	
Roseberry - Lubumbashi, between (see Mansa - Lubumbashi, between)	Zambia	28.8833;-11.1833	

SE 11029Bb:

Bangwelk, Lake (see Lake Bangweulu)	Zambia	29.7500;-11.0833	2000 ft
Bangweolo, lake (see Lake Bangweulu)	Zambia	29.7500;-11.0833	2000 ft
Bangweulu, lake (see Lake Bangweulu)	Zambia	29.7500;-11.0833	2000 ft
Bengweulu, Lake (see Lake Bangweulu)	Zambia	29.7500;-11.0833	2000 ft
Lake Bangwelk (see Lake Bangweulu)	Zambia	29.7500;-11.0833	2000 ft
Lake Bangweolo (see Lake Bangweulu)	Zambia	29.7500;-11.0833	2000 ft
Lake Bangweulu (see also: Bangwelk, Lake, Bangweolo, lake, Bangweulu, lake, Bengweulu, Lake, Lake Bangwelk, Lake Bangweolo, Lake Bengweulu)	Zambia	29.7500;-11.0833	2000 ft
Lake Bengweulu (see Lake Bangweulu)	Zambia	29.7500;-11.0833	2000 ft
North Sumbu Island	Zambia	29.7500;-11.0833	

SE 11029Bc:

Samfya	Zambia	29.5500;-11.3500	1154 m

SE 11031Ba:

Chambezi	Zambia	31.5000;-11.0000	

SE 11032Bd:

Tembwe village	Zambia	32.8878;-11.3614	1020 m

SE 11032Da:

Lundazi, Lundi River	Zambia	32.5000;-11.5000	2000 ft
Lunzi river	Zambia	32.7000;-11.6333	

SE 11032Db:

Chikwa	Zambia	32.7833;-11.6667	900 m

SE 11033Bb:

Rumphi (see also: Rumpi, Rumpi Boma)	Malawi	33.8547;-11.0194	1276 m
Rumpi (see Rumphi)	Malawi	33.8547;-11.0194	1276 m
Rumpi Boma (see Rumphi)	Malawi	33.8547;-11.0194	1276 m

SE 11033Ca:

Kazilondok	Zambia	33.0000;-11.5000	2000 ft

SE 11033Da:

Membe Highlands, Lundazi	Zambia	33.5000;-11.5000	5000 ft

SE 11034Bb:

Ugano	Tanzania	34.9167;-11.1000	
Ugano plantation, SE Mbinga, Mantengo Highlands	Tanzania	34.9167;-11.1000	1560 m

SE 11034Cb:

Nkata (see Nkhata Bay), Doctors house	Malawi	34.3000;-11.6000	471 m
Nkata Bay (see Nkhata Bay), Doctors house	Malawi	34.3000;-11.6000	471 m
Nkhata Bay, Doctors house (see also: Nkata, Nkata Bay, Nkhota Bay)	Malawi	34.3000;-11.6000	471 m
Nkhota Bay (see Nkhata Bay)	Malawi	34.3000;-11.6000	471 m

SE 11034Cc:

Chinteche (see Chintheche)	Malawi	34.1667;-11.8333	482 m
Chintechi (see Chintheche)	Malawi	34.1667;-11.8333	482 m
Chinteji (see Chintheche)	Malawi	34.1667;-11.8333	482 m
Chintheche (see also: Chinteche, Chintechi, Chinteji)	Malawi	34.1667;-11.8333	482 m
Luzi banana plantation, near Rumphi?	Malawi	34.0333;-11.8167	
Mzokoto banana plantation	Malawi	34.0000;-11.8500	

SE 11036Cb:

Aldeia Milepa, Rukwa valley (see also: Milepa)	Mozambique	36.2922;-11.7339	476 m
Milepa (see Aldeia Milepa), Rukwa valley	Mozambique	36.2922;-11.7339	476 m

SE 11043Ad:

Chamle, primary school	Comoro Islands	43.2669;-11.4447	108 m
La Grille	Comoro Islands	43.3333;-11.4500	844 m
Moroni, 21.1 km N (see Panga Chilamouinani), near Fassi, 21.1 km N Moroni	Comoro Islands	43.2828;-11.4072	80 m
Nyamaoui Panga (see Panga Chilamouinani), near Fassi, 21.1 km N Moroni	Comoro Islands	43.2828;-11.4072	80 m
Panga Chilamouinani, near Fassi, 21.1 km N Moroni (see also: Moroni, 21.1 km N, Nyamaoui Panga)	Comoro Islands	43.2828;-11.4072	80 m
Panga Milembeni, near village of Dimadjou	Comoro Islands	43.3756;-11.4560	670 m

SE 11043Ca:

Moroni (see also: Moroni oasis)	Comoro Islands	43.2403;-11.7042	40 m
Moroni oasis (see Moroni)	Comoro Islands	43.2403;-11.7042	40 m

SE 11043Cb:

Fassi	Comoro Islands	43.2681;-11.5653	58 m
Grand Comoro	Comoro Islands	43.3333;-11.5833	
GrandPC:GC|)	Comoro Islands	43.3219;-11.6906	
GrandPC:GC|)	Comoro Islands	43.3219;-11.6906	

GrandPC:GC|)	Comoro Islands		43.3219;-11.6906	
Hahaïa, primary school	Comoro Islands		43.2622;-11.5608	15 m
Itsandha (see Itsandra)	Comoro Islands		43.2547;-11.6711	154 m
Itsandra (see also: Itsandha)	Comoro Islands		43.2547;-11.6711	154 m
La Coulée	Comoro Islands		43.2500;-11.6833	
Malakoff	Comoro Islands		43.3167;-11.6333	
Moroni-Hahaia Airport entrance gate, 0.5 km N (see Moroni-Hahaïa airport, 0.5 km N of entrance gate)	Comoro Islands		43.2772;-11.5294	15 m
Moroni-Hahaïa airport, 0.5 km N of entrance gate (see also: Moroni-Hahaia Airport entrance gate, 0.5 km N, Prince Said Ibrahim airport, 0.5 km N of entrance gate)	Comoro Islands		43.4200;-11.5295	15 m
Ngazidja Island (see also: Grand Comoro Island |PC:GC|, Grande Comore |PC:GC|, Grande Comore Island |PC:GC|)	Comoro Islands		43.3219;-11.6906	
Prince Said Ibrahim airport, 0.5 km N of entrance gate (see Moroni-Hahaïa airport, 0.5 km N of entrance gate)	Comoro Islands		43.4200;-11.5295	15 m

SE 11043Cd:

Boboni, cave near	Comoro Islands		43.3303;-11.7525	916 m
Convalescence (see La Convalescence)	Comoro Islands		43.3197;-11.7550	1787 m
Dima, primary school	Comoro Islands		43.4108;-11.8864	263 m
Grotte de Nioumbadjou (see Nioumbadjou cave)	Comoro Islands		43.2972;-11.7992	ca. 611 m
Grotte de Niumbadju (see Nioumbadjou cave)	Comoro Islands		43.2972;-11.7992	ca. 611 m
Grotte de Niumbaju (see Nioumbadjou cave)	Comoro Islands		43.2972;-11.7992	ca. 611 m
Grotte de Tohbugodunda (see Nioumbadjou cave)	Comoro Islands		43.2972;-11.7992	ca. 611 m
La Convalescence (see also: Convalescence)	Comoro Islands		43.3197;-11.7550	1787 m
La Convalescence, on trail to	Comoro Islands	ca.	43.3197;-11.7550	630 m
Lima Mani	Comoro Islands		43.4000;-11.8333	
Mohoro, cultural centre	Comoro Islands		43.4461;-11.8258	163 m
Moroni, 9.2 km SE (see Panga Pachwa Myembe) (see also: Patsy, Wilson)	Comoro Islands		43.3058;-11.8361	200 m
Nioumbadjou cave (see also: Grotte de Nioumbadjou, Grotte de Niumbadju, Grotte de Niumbaju, Grotte de Tohbugodunda, Niumbadju cave, Niumbaju cave, Tohbugodunda cave)	Comoro Islands		43.2972;-11.7992	ca. 611 m
Niumbadju cave (see Nioumbadjou cave)	Comoro Islands		43.2972;-11.7992	ca. 611 m
Niumbaju cave (see Nioumbadjou cave)	Comoro Islands		43.2972;-11.7992	ca. 611 m
Panga Chilamoviani, cave	Comoro Islands	ca.	43.3333;-11.7500	
Panga Pachwa Myembe, 9.2 km SE Moroni (see also: Moroni, 9.2 km SE)	Comoro Islands		43.3058;-11.8361	200 m
Tohbugodunda cave (see Nioumbadjou cave)	Comoro Islands		43.2972;-11.7992	ca. 611 m

SE 12013Ba:

Hanha	Angola		13.7136;-12.2450	58 m

SE 12013Bc:

Asseiceira (see Catumbela)	Angola		13.5472;-12.4314	93 m
Catumbela (see also: Asseiceira, Catumbella, Katumbela)	Angola		13.5472;-12.4314	93 m
Catumbella (see Catumbela)	Angola		13.5472;-12.4314	93 m
Katumbela (see Catumbela)	Angola		13.5472;-12.4314	93 m
Lobito Bay	Angola	ca.	13.5500;-12.3333	

SE 12013Cb:

Benguela (see also: Benguella, São Félipe de Benguela)	Angola		13.4072;-12.5783	39 m
Benguella (see Benguela)	Angola		13.4072;-12.5783	39 m
Huxe (see Uche)	Angola		13.3092;-12.7208	93 m
São Félipe de Benguela (see Benguela)	Angola		13.4072;-12.5783	39 m
Uche (see also: Huxe)	Angola		13.3092;-12.7208	93 m

SE 12014Bd:

Cahata	Angola	14.8167;-12.3500	1209 m

SE 12014Cd:

Canaveses (see Marco de Canavezes)	Angola	14.3667;-12.9833	972 m
Marco de Canaveses	Angola	14.3667;-12.9833	972 m
Marco de Canavezes (see also: Canaveses)	Angola	14.3667;-12.9833	972 m

SE 12015Aa:

Concórdia (see also: Fazenda Concórdia)	Angola	15.0333;-12.2000	1810 m
Fazenda Concórdia (see Concórdia)	Angola	15.0333;-12.2000	1810 m
Galanga	Angola	15.1500;-12.0667	1588 m

SE 12015Ab:

Moks, mount, Luimbale (see also: Mount Moks)	Angola	15.3167;-12.2167	
Mount Moks (see Moks, mount), Luimbale	Angola	15.3167;-12.2167	
Mount Verdun (see Verdun, mount)	Angola	15.3333;-12.1667	
Verdun, mount (see also: Mount Verdun)	Angola	15.3333;-12.1667	

SE 12015Ca:

Luimbale, 42 km WSW (see Moco, mount)	Angola	15.1667;-12.5000	
Moco, mount, 42 km WSW Luimbale (see also: Luimbale, 42 km WSW, Monte Soque, Mount Moco, Mount Soque, Soque, mount)	Angola	15.1667;-12.5000	
Monte Soque (see Moco, mount), 42 km WSW Luimbale	Angola	15.1667;-12.5000	
Mount Moco (see Moco, mount)	Angola	15.1667;-12.5000	
Mount Soque (see Moco, mount), 42 km WSW Luimbale	Angola	15.1667;-12.5000	
Soque, mount (see Moco, mount), 42 km WSW Luimbale	Angola	15.1667;-12.5000	

SE 12015Dc:

Caála (see also: Cahala, Kaala, Robert Williams, Roberto Williams, Vila Robert Williams)	Angola		15.5606;-12.8525	1746 m
Caála, 6 mi [=9.7 km] S (see also: Robert Williams, 6 mi [=9.7 km] S)	Angola	ca.	15.5606;-12.8525	1630 m
Cahala (see Caála)	Angola		15.5606;-12.8525	1746 m
Huambo (see also: Nova Lisboa)	Angola		15.7392;-12.7761	1721 m
Kaala (see Caála)	Angola		15.5606;-12.8525	1746 m
Nova Lisboa (see Huambo)	Angola		15.7392;-12.7761	1721 m
Robert Williams (see Caála)	Angola		15.5606;-12.8525	1746 m
Robert Williams, 6 mi [=9.7 km] S (see Caála, 6 mi [=9.7 km] S)	Angola	ca.	15.5606;-12.8525	1630 m
Roberto Williams (see Caála)	Angola		15.5606;-12.8525	1746 m
Vila Robert Williams (see Caála)	Angola		15.5606;-12.8525	1746 m

SE 12020Bd:

Chiumbe River, tributary of Kasai river (see also: Tshiumbe River, Tyhumbwe River, Tyihumbwe River)	Angola	20.8000;-12.4333	
Tshiumbe River (see Chiumbe River), tributary of Kasai river	Angola	20.8000;-12.4333	
Tyhumbwe River (see Chiumbe River), tributary of Kasai river	Angola	20.8000;-12.4333	
Tyihumbwe River (see Chiumbe River), tributary of Kasai river	Angola	20.8000;-12.4333	

SE 12023Ab:

Alto Zambeze (see Calunda)	Angola	23.4667;-12.1167	1487 m
Calunda (see also: Alto Zambeze, Kalunda)	Angola	23.4667;-12.1167	1487 m

Kalunda (see Calunda)	Angola	23.4667;-12.1167	1487 m

SE 12024Ba:

Mwinilunga district	Zambia	24.5833;-12.0000	
Mwinilunga district	Zambia	24.5833;-12.0000	

SE 12024Cc:

Chikundulu river (see also: Shikundulu river)	Zambia	24.2333;-12.9500	
Shikundulu river (see Chikundulu river)	Zambia	24.2333;-12.9500	

SE 12024Dd:

Lunga (see West Lunga National Park)	Zambia	24.7500;-12.7500	
Lunga Game Reserve (see West Lunga National Park)	Zambia	24.7500;-12.7500	
Lunga Game Reserve No. 11 (see West Lunga National Park)	Zambia	24.7500;-12.7500	
Nyabikwa Kabompo confluence	Zambia	24.7500;-12.7500	
West Lunga National Park (see also: Lunga, Lunga Game Reserve, Lunga Game Reserve No. 11, West Lunga National Park No. 14)	Zambia	24.7500;-12.7500	
West Lunga National Park No. 14 (see West Lunga National Park)	Zambia	24.7500;-12.7500	

SE 12025Ba:

Mwombezi (see also: Mwombezi village)	Zambia	25.5667;-12.2167	1200 m
Nyansowe stream	Zambia	25.5667;-12.2333	

SE 12025Dd:

Mombeshi river (see Mwombezhi river)	Zambia	25.9833;-12.8667	
Mombezhi river (see Mwombezhi river)	Zambia	25.9833;-12.8667	
Mwambeshi river (see Mwombezhi river)	Zambia	25.9833;-12.8667	
Mwombezhi river (see also: Mombeshi river, Mombezhi river, Mwambeshi river)	Zambia	25.9833;-12.8667	

SE 12026Ab:

Solwezi (see also: Solwezi Boma)	Zambia	26.4000;-12.1833	1366 m
Solwezi Boma (see Solwezi)	Zambia	26.4000;-12.1833	1366 m

SE 12026Ac:

Solwezi district	Zambia	26.0000;-12.4167	1200 m

SE 12028Cb:

Mufulira district	Zambia	28.2500;-12.5000	

SE 12028Db:

Kilubulushi (see Kitubulushi)	Congo (Democratic Republic of the)	28.9333;-12.7333	1257 m
Kitubulushi (see also: Kilubulushi)	Congo (Democratic Republic of the)	28.9333;-12.7333	1257 m

SE 12028Cc:

Kitwe, Mwekera (see also: Kitwe Nkana, Nkana-Kitwe, Nkane-Kitwe)	Zambia	28.2000;-12.9833	1212 m
Kitwe Nkana (see Kitwe), Mwekera	Zambia	28.2000;-12.9833	1212 m
Mindola (see Mindolo dam), near Kitwe	Zambia	28.1500;-12.7833	ca. 1200 m
Mindolo dam, near Kitwe (see also: Mindola)	Zambia	28.1500;-12.7833	ca. 1200 m
Nkana-Kitwe (see Kitwe), Mwekera	Zambia	28.2000;-12.9833	1212 m

Nkane-Kitwe (see Kitwe), Mwekera	Zambia	28.2000;-12.9833	1212 m
Wusikili Bridge, Kitwe	Zambia	28.2167;-12.8500	

SE 12028Cd:

Mwekera [river], near Kitwe	Zambia	28.2667;-12.8667	

SE 12028Dc:

Ndola	Zambia	28.6333;-12.9667	1304 m
Sakania (see also: Sakania mission)	Congo (Democratic Republic of the)	28.5667;-12.7500	1278 m
Sakania mission (see Sakania)	Congo (Democratic Republic of the)	28.5667;-12.7500	1278 m
Sakania territory	Congo (Democratic Republic of the)	28.5667;-12.7500	

SE 12029Bc:

Kakyelo, on the Luombwa River	Congo (Democratic Republic of the)	29.5833;-12.3500	

SE 12029Db:

Luombwa River	Zambia	29.9167;-12.5000	4000 ft

SE 12029Cc:

Kiswishi [river], near Lubumbashi	Congo (Democratic Republic of the)	29.2000;-12.8500	

SE 12030Ca:

Kasanka National Park	Zambia	30.2250;-12.5867	

SE 12030Cb:

Kasanka	Zambia	30.3167;-12.6667	ca. 4000 ft

SE 12030Db:

Chisenga	Zambia	30.9000;-12.6333	

SE 12031Bd:

Nabwalia Village (see Nabwalya)	Zambia	31.9833;-12.4000	638 m
Nabwalya (see also: Nabwalia Village)	Zambia	31.9833;-12.4000	638 m

SE 12031Cd:

Chilomo Hill (see also: Chiromo Hill, Chirozo Hill)	Zambia	ca.	31.3674;-12.8405	
Chiromo Hill (see Chilomo Hill)	Zambia	ca.	31.3674;-12.8405	
Chirozo Hill (see Chilomo Hill)	Zambia	ca.	31.3674;-12.8405	

SE 12032Aa:

North Luangwa National Park	Zambia	32.1056;-12.1111	

SE 12032Ac:

Luambe (see also: Luambe Game Camp)	Zambia	32.1333;-12.4500	
Luambe Game Camp (see Luambe)	Zambia	32.1333;-12.4500	

SE 12032Cb:

Mwanya	Zambia	32.2500;-12.7167	683 m

SE 12032Cc:

Chibembe pontoon, 1/2 mi [=0.8 km] S	Zambia		32.0667;-12.7667	
Luangwa River	Zambia		32.0833;-12.7500	
Nsefu Game Camp (see Nyika Plateau)	Zambia		32.0000;-12.9500	
Nsefu Game Reserve (see also: Nsefu Game Sactuary)	Zambia		32.0000;-12.9500	
Nsefu Game Sactuary (see Nsefu Game Reserve)	Zambia		32.0000;-12.9500	

SE 12032Dc:

Lukusuzi (see Lukusuzi National Park)	Zambia		32.5833;-12.8333	
Lukusuzi Game Reserve (see Lukusuzi National Park)	Zambia		32.5833;-12.8333	
Lukusuzi National Park (see also: Lukusuzi, Lukusuzi Game Reserve, Lukusuzi National Park No. 3)	Zambia		32.5833;-12.8333	
Lukusuzi National Park No. 3 (see Lukusuzi National Park)	Zambia		32.5833;-12.8333	

SE 12033Ba:

Luwawa Dam	Malawi		33.7333;-12.1167	1700 m

SE 12033Bc:

Mwaya, lake Nyasa	Malawi		33.7167;-12.4667	1228 m
Viphya Plateau	Malawi		33.7000;-12.3800	

SE 12033Cc:

Administration Camp	Malawi		33.1167;-12.9167	1000 m
Kasungu Game Reserve (see Kasungu National Park)	Malawi		33.1167;-12.9167	1000 m
Kasungu National Park (see also: Kasungu Game Reserve)	Malawi		33.1167;-12.9167	1000 m
Lisanthu, 15 mi [=24 km] NE, rocky outcrop	Malawi		33.0500;-12.8833	ca. 1100 m
Vitanda	Malawi		33.1667;-12.9500	1000 m

SE 12034Ba:

Lake Malawi (see Nyasa, lake)	Malawi		34.5000;-12.0000	1500 ft
Lake Nyasa (see Nyasa, lake)	Malawi		34.5000;-12.0000	1500 ft
Malawi, lake (see Nyasa, lake)	Malawi		34.5000;-12.0000	1500 ft
Nyasa, lake (see also: Lake Malawi, Lake Nyasa, Malawi, lake)	Malawi		34.5000;-12.0000	1500 m

SE 12034Cc:

Bua Camp, Guard houses	Malawi		34.1667;-12.8167	600 m
KotaPC:NK|)	Malawi	ca.	34.0830;-12.8042	
MkhotPC:NK|) (see also: Ampijoara Forest)	Malawi	ca.	34.0830;-12.8042	
Nkhotakota district (see also: Kota Kota district |PC:NK|, Mkhotakota district |PC:NK|)	Malawi	ca.	34.0830;-12.8042	

SE 12034Cd:

Kota Kota (see Nkhotakota), W Lake Nyasa	Malawi		34.3000;-12.9167	471 m
Kota-Kota (see Nkhotakota)	Malawi		34.3000;-12.9167	471 m
Nkhotakota (see also: Kota Kota, Kota-Kota, Nkhota-Kota)	Malawi		34.3000;-12.9167	471 m
Nkhota-Kota (see Nkhotakota)	Malawi		34.3000;-12.9167	471 m

SE 12037Ba:

Maputo Camp	Mozambique		37.5503;-12.1822	
Mount Mecula (see Serra Mecula)	Mozambique		37.6400;-12.0800	1227 m
Serra Mecula (see also: Mount Mecula)	Mozambique		37.6400;-12.0800	1227 m

SE 12037Da:

Kiboko, 23 km S (see Niassa Game Reserve)	Mozambique		37.6564;-12.6242	
Niassa Game Reserve, 23 km S Kiboko (see also: Kiboko, 23 km S)	Mozambique		37.6564;-12.6242	

SE 12037Dc:

Niassa Game Reserve, S of	Mozambique		37.6919;-12.8689	

SE 12038Aa:

Nkuli Camp	Mozambique		38.2428;-12.1692	

SE 12040Cd:

Pemba Bay	Mozambique		40.4614;-12.9420	

SE 12043Bc:

Chiconi (see Chikoni)	Comoro Islands		43.6317;-12.2858	81 m
Chikoni (see also: Chiconi)	Comoro Islands		43.6317;-12.2858	81 m
Fomboni, primary school (see also: Fumboni)	Comoro Islands		43.7425;-12.2800	5 m
Fomboni, 1 km N (see also: Fumboni, 1 km N)	Comoro Islands	ca.	43.7425;-12.2800	
Fumboni (see Fomboni), primary school	Comoro Islands		43.7425;-12.2800	5 m
Fumboni, 1 km N (see Fomboni, 1 km N)	Comoro Islands	ca.	43.7425;-12.2800	
Luala I (see Ouallah I), along small river at east side of village	Comoro Islands		43.6633;-12.3267	10 m
Luala I, near (see Ouallah I, near), along Akomodjou River	Comoro Islands		43.6678;-12.3231	35 m
Luala II (see Ouallah II), primary school	Comoro Islands		43.6708;-12.3448	35 m
Miringoni	Comoro Islands		43.6353;-12.2967	7 m
Ndrondroni, primary school	Comoro Islands		43.6822;-12.3428	10 m
Niomachoi (see Nioumachoua), primary school	Comoro Islands		43.7153;-12.3614	0 m
Nioumachoi (see Nioumachoua), primary school	Comoro Islands		43.7153;-12.3614	0 m
Nioumachoua, primary school (see also: Niomachoi, Nioumachoi, Nioumgchoi, Numa Choa)	Comoro Islands		43.7153;-12.3614	0 m
Nioumgchoi (see Nioumachoua), primary school	Comoro Islands		43.7153;-12.3614	0 m
Numa Choa (see Nioumachoua), primary school	Comoro Islands		43.7153;-12.3614	0 m
Ouala I (see Ouallah I), along small river at east side of village	Comoro Islands		43.6633;-12.3267	10 m
Ouala I, near (see Ouallah I, near), along Akomodjou River	Comoro Islands		43.6678;-12.3231	35 m
Ouala II (see Ouallah II), primary school	Comoro Islands		43.6708;-12.3448	35 m
Ouallah I, along small river at east side of village (see also: Luala I, Ouala I)	Comoro Islands		43.6633;-12.3267	10 m
Ouallah I, near, along Akomodjou River (see also: Luala I, near, Ouala I, near)	Comoro Islands		43.6678;-12.3231	35 m
Ouallah II, primary school (see also: Luala II, Ouala II)	Comoro Islands		43.6708;-12.3448	35 m
St Antoine	Comoro Islands		43.6667;-12.2833	

SE 12043Bd:

Bandakalala cave, near Siri-Ziroudani, along Maodjani River	Comoro Islands	ca.	43.7806;-12.3342	200 m
Itsamia, primary school and torture building	Comoro Islands		43.8678;-12.3642	0 m

SE 12044Ab:

Bazimini	Comoro Islands		44.4489;-12.1792	623 m
Buemokolo cave (see also: Grotte de Buemokolo)	Comoro Islands		44.4461;-12.1808	
Buemoukolo cave, at western edge of Bazimini	Comoro Islands		44.4461;-12.1807	430 m
Chanda (see Chandra), primary school	Comoro Islands		44.4647;-12.1950	588 m
Chandra, primary school (see also: Chanda)	Comoro Islands		44.4647;-12.1950	588 m
Collège d'Ouani (see Ouani College)	Comoro Islands		44.4244;-12.1356	20 m
Dzialandée, lac de (see Dzialandée, lake)	Comoro Islands		44.4328;-12.2211	890 m

Dzialandée, lake (see also: Dzialandée, lac de, Lake Dzialandée)	Comoro Islands	44.4328;-12.2211	890 m
Grotte de Buemokolo (see Buemokolo cave)	Comoro Islands	44.4461;-12.1808	
Grotte de Hapira (see Hapira cave), near Limbi along Trondroni River	Comoro Islands	44.4324;-12.1590	270 m
Grotte de Mangamitsano (see Mangamitsano, cave), near RN12, between Bambao and Col de Patsi	Comoro Islands	44.4778;-12.1894	260 m
Hapira cave, near Limbi along Trondroni River (see also: Grotte de Hapira, Hapira, grotte de)	Comoro Islands	44.4324;-12.1590	270 m
Hapira, grotte de (see Hapira cave), near Limbi along Trondroni River	Comoro Islands	44.4324;-12.1590	270 m
Lake Dzialandée (see Dzialandée, lake)	Comoro Islands	44.4328;-12.2211	890 m
Mangamitsano, cave, near RN12, between Bambao and Col de Patsi (see also: Grotte de Mangamitsano, Mangamitsano, grotte de)	Comoro Islands	44.4778;-12.1894	260 m
Mangamitsano, grotte de (see Mangamitsano, cave), near RN12, between Bambao and Col de Patsi	Comoro Islands	44.4778;-12.1894	260 m
Matsamudu (see Moutsamoudou)	Comoro Islands	44.3964;-12.1628	204 m
Mlima, near (see Patsi, Mlima (hill), near), 2.1 km SE Patsi	Comoro Islands	44.4834;-12.1861	690 m
Moutsamoudou (see also: Matsamudu, Mutsamudu)	Comoro Islands	44.3964;-12.1628	204 m
M'tsangamouhouni (see Mtsangamouthoum)	Comoro Islands	44.4292;-12.1411	252 m
Mtsangamouthoum (see also: M'tsangamouhouni, N'tsangamouhouni)	Comoro Islands	44.4292;-12.1411	252 m
Mutsamudu (see Moutsamoudou)	Comoro Islands	44.3964;-12.1628	204 m
N'tsangamouhouni (see Mtsangamouthoum)	Comoro Islands	44.4292;-12.1411	252 m
Oani College (see Ouani College), primary school	Comoro Islands	44.4244;-12.1356	20 m
Ouani College, primary school (see also: Collège d'Ouani, Oani College, Ouany College)	Comoro Islands	44.4244;-12.1356	20 m
Ouany College (see Ouani College), primary school	Comoro Islands	44.4244;-12.1356	20 m
Patsi, along Mroni Koki River	Comoro Islands	44.4372;-12.1556	343 m
Patsi, 2.1 km SE (see Patsi, Mlima (hill), near)	Comoro Islands	44.4834;-12.1861	690 m
Patsi, Mlima (hill), near, 2.1 km SE Patsi (see also: Mlima, near, Patsi, 2.1 km SE, Patsy, 2.1 km SE, Wilson, 2.1 km SE)	Comoro Islands	44.4834;-12.1861	690 m
Patsy (see Moroni, 9.2 km SE), along Mroni Koki River	Comoro Islands	44.4372;-12.1556	343 m
Patsy, 2.1 km SE (see Patsi, Mlima (hill), near)	Comoro Islands	44.4834;-12.1861	690 m
Wilson (see Moroni, 9.2 km SE), along Mroni Koki River	Comoro Islands	44.4372;-12.1556	343 m
Wilson, 2.1 km SE (see Patsi, Mlima (hill), near)	Comoro Islands	44.4834;-12.1861	690 m

SE 12044Ba:

Bambao (see also: Bambao M'Sanga, Cercle de Bambao)	Comoro Islands	44.5183;-12.1989	19 m
Bambao M'Sanga (see Bambao)	Comoro Islands	44.5183;-12.1989	19 m
Cercle de Bambao (see Bambao)	Comoro Islands	44.5183;-12.1989	19 m
Grotte de Hamapoudre (see Hamapoudre cave), near Mromagi	Comoro Islands	44.5006;-12.2069	230 m
Hamapoudre cave, near Mromagi (see also: Grotte de Hamapoudre, Hamapoudre, grotte de)	Comoro Islands	44.5006;-12.2069	230 m
Hamapoudre, grotte de (see Hamapoudre cave), near Mromagi	Comoro Islands	44.5006;-12.2069	230 m

SE 12044Ad:

Adda Doueni (see Adda-Douéni)	Comoro Islands	44.4972;-12.2925	645 m
Adda-Douéni (see also: Adda Doueni)	Comoro Islands	44.4972;-12.2925	645 m
Anjouan (see also: Johanna Island)	Comoro Islands	44.4167;-12.2500	
Bouélaouvanga, rock, tunnel along RN23, between Moya and Pomoni	Comoro Islands	44.4275;-12.2897	5 m
Chirove primary school (see Pomoni)	Comoro Islands	44.3978;-12.2708	0 m
Ecole primaire de Chirove (see Pomoni)	Comoro Islands	44.4000;-12.2667	0 m
Johanna Island (see Anjouan)	Comoro Islands	44.4167;-12.2500	
Moya, primary school	Comoro Islands	44.4378;-12.3067	0 m
Pomoni (see also: Chirove primary school, Ecole primaire de Chirove, Pomony)	Comoro Islands	44.3978;-12.2708	0 m
Pomony (see Pomoni)	Comoro Islands	44.3978;-12.2708	0 m

SE 12045Ca:

Bandraboua canton	Mayotte	ca.	45.1285;-12.7023	
Bouyouni	Mayotte		45.1409;-12.7385	10 m
Koungou	Mayotte		45.1621;-12.7331	10 m
Longoni	Mayotte		45.1667;-12.7333	10 m

SE 12045Cc:

Coconi	Mayotte		45.1369;-12.8321	90 m
Mayotte (see Mayotte Island (Fr.))	Mayotte		45.1500;-12.8333	
Ouangani canton	Mayotte	ca.	45.1390;-12.8483	
Poroani	Mayotte		45.1425;-12.8935	10 m
Sada canton	Mayotte	ca.	45.0995;-12.8513	

SE 12049Aa:

Rodo valley, Ankarana, N	Madagascar		49.0833;-12.0833	

SE 12049Ac:

Ambohitra (see also: Joffreville)	Madagascar		49.2000;-12.4833	743 m
Joffreville (see Ambohitra)	Madagascar		49.2000;-12.4833	743 m

SE 12049Ad:

Antseranana (see Antsiranana)	Madagascar		49.2833;-12.2667	125 m
Antsira?ana (see Antsiranana)	Madagascar		49.2833;-12.2667	125 m
Antsirana (see Antsiranana)	Madagascar		49.2833;-12.2667	125 m
Antsiranana (see also: Antseranana, Antsira?ana, Antsirana, Antsirane, Diego Soarez, Diégo-Suarez, Diégo-Suarez, near)	Madagascar		49.2833;-12.2667	125 m
Antsiranana, 36 km S (see also: Diégo-Suarez, 36 km S)	Madagascar	ca.	49.2833;-12.2667	
Antsiranana, near	Madagascar	ca.	49.2833;-12.2667	
Antsirane (see Antsiranana)	Madagascar		49.2833;-12.2667	125 m
Diego Soarez (see Antsiranana)	Madagascar		49.2833;-12.2667	125 m
Diégo-Suarez (see Antsiranana)	Madagascar		49.2833;-12.2667	125 m
Diégo-Suarez, 36 km S (see Antsiranana, 36 km S)	Madagascar	ca.	49.2833;-12.2667	
Diégo-Suarez, near (see Antsiranana)	Madagascar	ca.	49.2833;-12.2667	
Forêt d'Ampitiliantsambo	Madagascar		49.3844;-12.3372	210 m
Montagne des Français (see Tendrombohitr' Antsingy)	Madagascar		49.3665;-12.3722	
Montagne des Francis (see Tendrombohitr' Antsingy)	Madagascar		49.3665;-12.3722	
Tendrombohitr' Antsingy (see also: Montagne des Français, Montagne des Francis)	Madagascar		49.3665;-12.3722	

SE 12049Ca:

Ambohitra, 5.5 km SW (see Parc National de la Montagne d'Ambre)	Madagascar		49.1667;-12.5167	1000 m
Ambohitra, 6 km S (see also: Ambre, mount, Joffreville, 6 km S, Montagne d'Ambre (Parc National), Mount Ambre)	Madagascar		49.1500;-12.6167	1000 m
Ambohitra, 6 mi [=9.6 km] S (see Ambohitra, 6 mi [=9.6 km] S) (see also: Ambohitra, 6 mi [=9.6 km] S, Joffreville, 6 mi [=9.6 km] S)	Madagascar	ca.	49.1500;-12.6167	
Ambre mountain National Park (see Parc National de la Montagne d'Ambre), 5.5 km SW Joffreville [=Ambohitra]	Madagascar		49.1667;-12.5167	1000 m
Ambre, mount (see Ambohitra, 6 km S), 6 km S Joffreville	Madagascar		49.1500;-12.6167	1000 m
Grande Lac, 12 km SW Joffreville (see also: Joffreville, 12 km SW)	Madagascar		49.1486;-12.5831	
Joffreville, 12 km SW (see Grande Lac)	Madagascar		49.1486;-12.5831	
Joffreville, 5.5 km SW (see Parc National de la Montagne d'Ambre)	Madagascar		49.1667;-12.5167	1000 m
Joffreville, 6 km S (see Ambohitra, 6 km S)	Madagascar		49.1500;-12.6167	1000 m
Joffreville, 6 mi [=9.6 km] S (see Ambohitra, 6 mi [=9.6 km] S)	Madagascar	ca.	49.1500;-12.6167	

Les Roussettes (see also: Station des Roussettes)	Madagascar		49.1720;-12.5270	1000 m
Montagne d'Ambre (Parc National) (see Ambohitra, 6 km S), 6 km S Joffreville	Madagascar		49.1500;-12.6167	1000 m
Mount Ambre (see Ambohitra, 6 km S), 6 km S Joffreville	Madagascar		49.1500;-12.6167	1000 m
Mount Ambre National Park (see Parc National de la Montagne d'Ambre), 5.5 km SW Joffreville [=Ambohitra]	Madagascar		49.1667;-12.5167	1000 m
Parc National de la Montagne d'Ambre, 5.5 km SW Joffreville [=Ambohitra] (see also: Ambohitra, 5.5 km SW, Ambre mountain National Park, Joffreville, 5.5 km SW, Mount Ambre National Park)	Madagascar		49.1667;-12.5167	1000 m
Station des Roussettes (see Les Roussettes)	Madagascar		49.1720;-12.5270	1000 m

SE 12049Cb:

Bazaribe, cave, 3.6 km SE Menagisy (see also: Grotte de Bazaribe, Menagisy, 3.6 km SE)	Madagascar		49.4736;-12.7122	90 m
Grotte de Bazaribe (see Bazaribe, cave), 3.6 km SE Menagisy	Madagascar		49.4736;-12.7122	90 m
Menagisy, 3.6 km SE (see Bazaribe, cave)	Madagascar		49.4736;-12.7122	90 m

SE 12049Da:

Analamerana Special Reserve (see also: Forêt d'Analamerana, Réserve Spéciale d'Analamerana)	Madagascar		49.5333;-12.7333	
Forêt d'Analamerana (see Analamerana Special Reserve)	Madagascar		49.5333;-12.7333	
Réserve Spéciale d'Analamerana (see Analamerana Special Reserve)	Madagascar		49.5333;-12.7333	

SE 12049Cc:

Ambahibe cave, 2 km W Mahamasina (see also: Grotte d'Ambahibe, Mahamasina, 2 km W)	Madagascar		49.1206;-12.9678	80 m
Ambatoharanana cave (see also: Amboandriky, 2.2 km ESE, Crocodile cave, Grotte d'Ambatoharanana)	Madagascar		49.0217;-12.9883	20 m
Amboandriky, 2.2 km ESE (see Ambatoharanana cave)	Madagascar		49.0217;-12.9883	20 m
Andrafiabe cave (see Grotte d'Andrafiabe)	Madagascar	ca.	49.0567;-12.9317	
Andrafiabe, 3.5 km ESE (see Grotte d'Andrafiabe)	Madagascar	ca.	49.0567;-12.9317	
Andrafiabe, 3.5 km SE	Madagascar		49.0550;-12.9420	50 m
Ankarana National Park (see also: Parc National d'Ankarana, Réserve Spéciale d'Ankarana)	Madagascar		49.0550;-12.9419	
Antsiranana, 60 km S (see Matsaborimanga, near), Ankarana, N of	Madagascar		49.1167;-12.9000	
Antsironandoha Cave, west, 10 km NW Mashamasina, (see also: Grotte d'Antsironandoha, Ouest de, Mashamasina, 10 km NW)	Madagascar		49.0975;-12.8889	100 m
Bat Cave, 3 km NW Mahamasima (see also: Grotte des chauves-souris, Mahamasina, 3 km NW)	Madagascar		49.1181;-12.9564	80 m
Crocodile cave (see Ambatoharanana cave)	Madagascar		49.0217;-12.9883	20 m
Grotte d'Ambahibe (see Ambahibe cave), 2 km W Mahamasina	Madagascar		49.1206;-12.9678	80 m
Grotte d'Ambatoharanana (see Ambatoharanana cave)	Madagascar		49.0217;-12.9883	20 m
Grotte d'Andrafiabe, 3.5 km ESE Andrafiabe (see also: Andrafiabe cave, Andrafiabe, 3.5 km ESE)	Madagascar	ca.	49.0567;-12.9317	
Grotte d'Antsiroandoha	Madagascar		49.0980;-12.8910	
Grotte d'Antsironandoha, Ouest de (see Antsironandoha Cave, west), 10 km NW Mashamasina,	Madagascar		49.0975;-12.8889	100 m
Grotte des chauves-souris (see Bat Cave), 3 km NW Mahamasima	Madagascar		49.1181;-12.9564	80 m
Grotte du troisième canyon, along Andokotokana river	Madagascar		49.0556;-12.9142	50 m
Mahamasina, 2 km W (see Ambahibe cave)	Madagascar		49.1206;-12.9678	80 m
Mahamasina, 3 km NW (see Bat Cave)	Madagascar		49.1181;-12.9564	80 m
Mashamasina, 10 km NW (see Antsironandoha Cave, west)	Madagascar		49.0975;-12.8889	100 m

Matsaborimanga, near, Antsiranana, 60 km S; Ankarana, N of (see also: Antsiranana, 60 km S)	Madagascar		49.1167;-12.9000	
Parc National d'Ankarana (see Ankarana National Park)	Madagascar		49.0550;-12.9419	
Réserve Spéciale d'Ankarana (see Ankarana National Park)	Madagascar		49.0550;-12.9419	

SE 12049Cd:

Ambery, 5.5 km SE (see Andavadrano)	Madagascar		49.3483;-12.8439	330 m
Ambondromifehy, 10.5 km NE (see Matsaborimadio, at edge of), Andavaka Matsaborimadio	Madagascar		49.2542;-12.8104	290 m
Andavadrano, 5.5 km SE Ambery (see also: Ambery, 5.5 km SE)	Madagascar		49.3483;-12.8439	330 m
Matsaborimadio, at edge of, 10.5 km NE Ambondromifehy, Andavaka Matsaborimadio (see also: Ambondromifehy, 10.5 km NE)	Madagascar		49.2542;-12.8104	290 m

SE 13013Bb:

Caimbambo	Angola		13.8333;-13.0000	

SE 13015Ca:

Biballe and Rio Coroca, Caconda	Angola		15.0833;-13.7000	
Caconda	Angola		15.0833;-13.7000	1900 m
Coroca River (see Rio Coroca)	Angola	ca.	15.0833;-13.7000	
Rio Coroca (see also: Coroca River)	Angola	ca.	15.0833;-13.7000	

SE 13015Dd:

Sangueve	Angola		15.8333;-13.8833	1642 m

SE 13022Ba:

Chavuma area, Zambezi [=Balovale] district,	Zambia		22.6833;-13.0667	
Chingi, Chavuma, near	Zambia		22.7333;-13.0167	1094 m
Chitau	Zambia		22.7167;-13.0833	1052 m

SE 13023Ac:

Lenhua, Rio (see Lunhiu river), Balovale	Zambia		23.2167;-13.3167	
Linyuwe river (see Lunhiu river), Balovale	Zambia		23.2167;-13.3167	
Lunhiu river, Balovale (see also: Lenhua, Rio , Linyuwe river, Lunyuwi river, Lunyuwi river)	Zambia		23.2167;-13.3167	
Lunyuwi river (see Lunhiu river), Balovale	Zambia		23.2167;-13.3167	
Lunyuwi river (see Lunhiu river), Balovale	Zambia		23.2167;-13.3167	

SE 13023Ca:

Balovale (see Zambezi)	Zambia		23.1167;-13.5500	1090 m
Zambezi (see also: Balovale)	Zambia		23.1167;-13.5500	1090 m
Zambezi River, Balovale	Zambia		23.1167;-13.5500	

SE 13024Ac:

Kabompo district	Zambia		24.1667;-13.2500	

SE 13024Ad:

Manhinga River (see Manyinga River)	Zambia		24.3500;-13.4667	
Maninga River (see Manyinga River)	Zambia		24.3500;-13.4667	
Manyinga River (see also: Manhinga River, Maninga River)	Zambia		24.3500;-13.4667	

SE 13024Ca:

Kabompo (see also: Kabompo Boma, Kapombo Boma)	Zambia		24.2000;-13.6000	1027 m
Kabompo Boma (see Kabompo)	Zambia		24.2000;-13.6000	1027 m

Kabompo, near	Zambia		24.2000;-13.6000	
Kapombo Boma (see Kabompo)	Zambia		24.2000;-13.6000	1027 m

SE 13025Aa:

Chizela, Kasempa district (see also: Chizera)	Zambia		25.0000;-13.1333	1179 m
Chizera (see Chizela), Kasempa district	Zambia		25.0000;-13.1333	1179 m

SE 13025Bd:

Kasama (see Kasempa)	Zambia		25.8333;-13.4500	1208 m
Kasempa (see also: Kasama, Kasempa Boma)	Zambia		25.8333;-13.4500	1208 m
Kasempa Boma (see Kasempa)	Zambia		25.8333;-13.4500	1208 m

SE 13026Cd:

Lunga pontoon, Kasempa district	Zambia		26.3500;-13.9833	1100 m

SE 13026Dd:

Kaungashi stream, source of	Zambia		26.7833;-13.8333	

SE 13027Da:

Machiya ferry (see Makiya ferry)	Zambia		27.6000;-13.7000	1115 m
Makiya ferry (see also: Machiya ferry)	Zambia		27.6000;-13.7000	1115 m

SE 13027Dd:

Pwira Pan	Zambia		27.8500;-13.9000	

SE 13028Ab:

Luanshya (see also: Luanshyo)	Zambia		28.4000;-13.1333	1228 m
Luanshya district	Zambia		28.3333;-13.0000	
Luanshya, 6 mi [=9.7 km] S (see also: Luanshyo, 6 mi [=9.7 km] S)	Zambia	ca.	28.4000;-13.1333	ca. 1200 m
Luanshya, 6 mi S	Zambia		28.3750;-13.1250	
Luanshyo (see Luanshya)	Zambia		28.4000;-13.1333	1228 m
Luanshyo, 6 mi [=9.7 km] S (see Luanshya, 6 mi [=9.7 km] S)	Zambia	ca.	28.4000;-13.1333	ca. 1200 m

SE 13028Ba:

Bwana Mkubwa	Zambia		28.6800;-13.0000	

SE 13030Ba:

Lusiwashi valley	Zambia		30.7167;-13.0333	

SE 13031Aa:

Chepundu River	Zambia		31.0000;-13.0000	4800 ft

SE 13031Ba:

Loangwa valley	Zambia		31.5000;-13.1667	

SE 13031Bb:

Chinzombo	Zambia		31.7667;-13.1167	
Chisombo	Zambia		31.8750;-13.1250	
Luangwa	Zambia		31.7500;-13.1167	
Luangwa Valley	Zambia		31.8750;-13.1250	3000 ft
Mfuwe [airfield]	Zambia		31.8167;-13.0667	
Mfuwe Game Camp	Zambia		31.7833;-13.0833	305 m

SE 13031Bc:

Luangwa River	Zambia	31.6250;-13.3750	
Lusingazi Game Camp	Zambia	31.6667;-13.3500	

SE 13031Cd:

Sasare Old Mine, Petauke district	Zambia	31.3667;-13.9167	

SE 13032Bb:

Chipengali area	Zambia	32.8750;-13.1250	
Kongwe Hill, Fort Jameson district	Zambia	32.7833;-13.1333	

SE 13032Ac:

Jumbe	Zambia	32.0833;-13.2833	710 m
Jumbe river	Zambia	32.0833;-13.2833	

SE 13032Ad:

Mpomwa Hills	Zambia	32.3167;-13.4500	
Mpomwa Hills, below	Zambia	32.3750;-13.3750	

SE 13032Ca:

Chipata district (see also: Fort Jameson district)	Zambia	32.1667;-13.5000	
Fort Jameson district (see Chipata district)	Zambia	32.1667;-13.5000	

SE 13032Cb:

Kalichero	Zambia	32.4000;-13.5500	896 m
Kankomba River, Lundazi	Zambia	32.2500;-13.5000	2000 ft

SE 13032Da:

Chipata (see also: Fort Jameson)	Zambia	32.6500;-13.6333	1212 m
Fort Jameson (see Chipata)	Zambia	32.6500;-13.6333	1212 m
Fort Jameson Boma	Zambia	32.6667;-13.6667	3800 ft
Zinglume	Zambia	32.6667;-13.6667	3800 ft

SE 13032Db:

Lutembue River (see Lutembwa River), near Fort Jameson	Zambia	32.7500;-13.6667	3800 ft
Lutembwa River, near Fort Jameson (see also: Lutembue River)	Zambia	32.7500;-13.6667	3800 ft

SE 13032Dd:

Bwalo, near Fort Jameson	Zambia	32.7500;-13.7500	4500 ft

SE 13033Aa:

Lifupa Camp (see also: Lifupa Game Camp)	Malawi	33.1500;-13.0500	1050 m
Lifupa Game Camp (see Lifupa Camp)	Malawi	33.1500;-13.0500	1050 m
Lingadzi River Valley	Malawi	33.1500;-13.0000	1050 m
Lisanthu	Malawi	33.1667;-13.0000	1000 m

SE 13033Bb:

Chipata Camp (see also: Chipata Hill)	Malawi	33.9167;-13.0667	1350 m
Chipata Hill (see Chipata Camp)	Malawi	33.9167;-13.0667	1350 m
Nkhotakota Game Reserve	Malawi	33.9300;-13.0700	
Nkhotakota GR	Malawi	33.9300;-13.0700	

SE 13033Bd:

Mpherere Mission (see Visanza Mission), near Ndaja	Malawi	33.9225;-13.3694	
Visanza Mission, near Ndaja (see also: Mpherere Mission)	Malawi	33.9225;-13.3694	

SE 13033Dd:

Lilongwe	Malawi	33.7833;-13.9833	1024 m

SE 13034Ac:

Nchisi Forest Reserve (see Ntchisi Forest Reserve)	Malawi	34.0500;-13.3167	
Nchisi, mount	Malawi	34.0167;-13.3667	4500 ft
Ntchisi Forest Guesthouse (see Ntchisi Forestry Resthouse)	Malawi	34.0000;-13.3833	1500 m
Ntchisi Forest Reserve (see also: Nchisi Forest Reserve)	Malawi	34.0500;-13.3167	
Ntchisi Forestry Resthouse (see also: Ntchisi Forest Guesthouse)	Malawi	34.0000;-13.3833	1500 m
Ntchisi, mount	Malawi	34.0167;-13.3667	4500 ft

SE 13034Bd:

Meponda, on E bank Lake Niassa	Mozambique	34.8706;-13.4014	590 m
Meponda, 10 km E	Mozambique	34.9381;-13.3703	
Meponda, 6 km E, near Lake Niassa	Mozambique	34.8981;-13.3647	601 m

SE 13034Cb:

Chitala (see also: Chitale)	Malawi	34.2667;-13.6667	608 m
Chitala River	Malawi	34.4396;-13.5941	1900 ft
Chitale (see Chitala)	Malawi	34.2667;-13.6667	608 m

SE 13034Da:

Livingstonia Beach (hotel)	Malawi	34.6167;-13.7167	480 m
Salima-Senga Bay	Malawi	34.6333;-13.7167	475 m

SE 13034Cc:

Lilongwe, 50 km E on Salima Road	Malawi	ca.	34.0075;-13.7714	

SE 13034Dd:

Golden Sands Camp, Cape Maclear; on N side of Domwe Island	Malawi	34.8208;-13.9681	480 m

SE 13038Ac:

Balama Coutada	Mozambique	38.0375;-13.4161	

SE 13039Bd:

Namapa	Mozambique	39.7842;-13.4950	

SE 13040Ba:

Pemba	Mozambique	40.5236;-13.0064	
Pemba, SW of	Mozambique	40.5236;-13.0064	

SE 13047Dd:

Andranto (see Anorotsangana)	Madagascar	47.9219;-13.9154	0 m
Andranto (see Anorotsangana)	Madagascar	47.9167;-13.9167	0 m
Anoront Sánga (see Anorotsangana)	Madagascar	47.9219;-13.9154	0 m
Anoront Sánga (see Anorotsangana)	Madagascar	47.9167;-13.9167	0 m
Anorontsanga (see Anorotsangana)	Madagascar	47.9167;-13.9167	0 m
Anorontsangana (see Anorotsangana)	Madagascar	47.9167;-13.9167	0 m
Anorontsangana (see Anorotsangana)	Madagascar	47.9219;-13.9154	0 m

Anorotsangana (see also: Andranto, Anoront Sánga, Anorontsangana)	Madagascar		47.9219;-13.9154	0 m
Anorotsangana (see also: Andranto, Anoront Sánga, Anorontsanga, Anorontsangana)	Madagascar		47.9167;-13.9167	0 m

SE 13048Bb:

Ankarana (see also: Ankarana caves, Ankarana Forest, Sosumau, Sosumav, Sosumaville)	Madagascar		48.9167;-13.0833	94 m
Ankarana caves (see Ankarana)	Madagascar		48.9167;-13.0833	94 m
Ankarana Forest (see Ankarana)	Madagascar		48.9167;-13.0833	94 m
Sosumau (see Ankarana)	Madagascar		48.9167;-13.0833	94 m
Sosumav (see Ankarana)	Madagascar		48.9167;-13.0833	94 m
Sosumaville (see Ankarana)	Madagascar		48.9167;-13.0833	94 m

SE 13048Ac:

Nossi Tany Kely (see Nosy Tanikely island)	Madagascar		48.2368;-13.4830	
Nosy Tanikely island (see also: Nossi Tany Kely)	Madagascar		48.2368;-13.4830	
Pointe Sarodrano	Madagascar		48.2068;-13.2762	

SE 13048Ad:

Andoany (see also: Hell-Ville, Helville)	Madagascar		48.2667;-13.4000	0 m
Andoany, 3 km N (see also: Hell-Ville, 3 km N, Helville, 3 km N)	Madagascar	ca.	48.2667;-13.4000	0 m
Anteseranana	Madagascar	ca.	48.2500;-13.3333	
Centre National de Recherches Océanographiques, 1.(km E Hell-Ville (see also: Hell-Ville, 1.5 km E)	Madagascar	ca.	48.2667;-13.4000	
Fièvre Point (see Pointe à la Fièvre)	Madagascar		48.3000;-13.4167	
Hell-Ville (see Andoany)	Madagascar		48.2667;-13.4000	0 m
Hell-Ville, 1.5 km E (see Centre National de Recherches Océanographiques)	Madagascar	ca.	48.2667;-13.4000	
Hell-Ville, 3 km N (see Andoany, 3 km N)	Madagascar	ca.	48.2667;-13.4000	0 m
Helville (see Andoany)	Madagascar		48.2667;-13.4000	0 m
Helville, 3 km N (see Andoany, 3 km N)	Madagascar	ca.	48.2667;-13.4000	0 m
Nosi Be island (see Nossi Be island)	Madagascar		48.2500;-13.3333	
Nosibé island (see Nossi Be island)	Madagascar		48.2500;-13.3333	
Nossi Be island (see also: Nosi Be island, Nosibé island, Nosy Be Island)	Madagascar		48.2500;-13.3333	
Nossi-Be (see Nosy Be Island)	Madagascar		48.2500;-13.3333	
Nosy Be Island (see Nossi Be island) (see also: Nossi-Be)	Madagascar		48.2500;-13.3333	
Nosy Be, Centre ORSTOM	Madagascar	ca.	48.2667;-13.4000	
Pointe à la Fièvre (see also: Fièvre Point, Pointe de la Fièvre)	Madagascar		48.3000;-13.4167	
Pointe de la Fièvre (see Pointe à la Fièvre)	Madagascar		48.3000;-13.4167	

SE 13048Cb:

Ambanja	Madagascar		48.4500;-13.6833	148 m
Ambanja, 6 km SE	Madagascar	ca.	48.4500;-13.6833	
Sambirano River, lower, Ambanja	Madagascar		48.3333;-13.7167	

SE 13049Aa:

Andakaty, cave, 2.9 km N Betsiaka, Foret d'Andavakoera (see also: Betsiaka, 2.9 km N , Grotte d'Andakaty)	Madagascar		49.2340;-13.1296	210 m
Betsiaka, 2.9 km N (see Andakaty, cave)	Madagascar		49.2340;-13.1296	210 m
Grotte Boribe	Madagascar		49.0000;-13.0000	
Grotte d'Andakaty (see Andakaty, cave), 2.9 km N Betsiaka, Foret d'Andavakoera	Madagascar		49.2340;-13.1296	210 m

SE 13049Ab:

Andavakoera	Madagascar		49.2543;-13.0969	165 m

SE 13049Bc:

Binara forest, 7.5 km SW Daraina (see also: Daraina, 7.5 km SW, Forêt de Binara)	Madagascar		49.6164;-13.2550	
Daraina, 7.5 km SW (see Binara forest)	Madagascar		49.6164;-13.2550	
Forêt de Binara (see Binara forest), 7.5 km SW Daraina	Madagascar		49.6164;-13.2550	

SE 13050Ac:

Vohemar (airfield)	Madagascar		50.0000;-13.3667	

SE 14013Cd:

Bibala (see also: Biballa, Vila Arriaga, Villa Arriaga)	Angola		13.3500;-14.7667	906 m
Biballa (see Bibala) (see also: Fazenda Cacanda)	Angola		13.3500;-14.7667	906 m
Fazenda Cacanda (see Biballa)	Angola		13.3500;-14.7667	906 m
Lubango, 30 km N (see Tunda Vala gorge)	Angola	ca.	13.3833;-14.8167	
Natundabala river (see Tunda Vala gorge)	Angola	ca.	13.3833;-14.8167	
Tunda Vala gorge, 30 km N Lubango (see also: Lubango, 30 km N, Natundabala river)	Angola	ca.	13.3833;-14.8167	
Vila Arriaga (see Bibala)	Angola		13.3500;-14.7667	906 m
Villa Arriaga (see Bibala)	Angola		13.3500;-14.7667	906 m

SE 14013Dc:

Lubango (see also: Sá da Bandeira)	Angola		13.5000;-14.9167	1718 m
Sá da Bandeira (see Lubango)	Angola		13.5000;-14.9167	1718 m
Sá da Bandeira, 20 km W	Angola	ca.	13.5000;-14.9167	

SE 14015Cc:

Capelongo (2) (see also: Folgares, Kapelongo, Vila de Folgares)	Angola		15.0833;-14.9167	1197 m
Folgares (see Capelongo (2))	Angola		15.0833;-14.9167	1197 m
Kapelongo (see Capelongo (2))	Angola		15.0833;-14.9167	1197 m
Vila de Folgares (see Capelongo (2))	Angola		15.0833;-14.9167	1197 m

SE 14016Ad:

Artur de Paiva (see Kuvango)	Angola		16.3000;-14.4667	1448 m
Capelongo (1) (see Kuvango)	Angola		16.3000;-14.4667	1448 m
Cubango, Missao de (see Kuvango)	Angola		16.3000;-14.4667	1448 m
Cubango, Missao de (see Kuvango)	Angola		16.3000;-14.4667	1448 m
Kubango (see Kuvango)	Angola		16.3000;-14.4667	1448 m
Kuvango (see also: Artur de Paiva, Capelongo (1), Cubango, Missao de, Cubango, Missao de, Kubango, Kuvangu Mission, Vila Artur de Paiva, Vila da Ponte)	Angola		16.3000;-14.4667	1448 m
Kuvangu Mission (see Kuvango)	Angola		16.3000;-14.4667	1448 m
Vila Artur de Paiva (see Kuvango)	Angola		16.3000;-14.4667	1448 m
Vila da Ponte (see Kuvango)	Angola		16.3000;-14.4667	1448 m

SE 14017Cd:

Litambo	Angola		17.2833;-14.8333	1443 m

SE 14022Ad:

Sililo	Zambia		22.4833;-14.2667	1028 m

SE 14022Cd:

Eastern Luachi (see Luachi River)	Zambia		22.4500;-14.9833	
Luachi River (see also: Eastern Luachi, Luochi River)	Zambia		22.4500;-14.9833	
Luochi River (see Luachi River)	Zambia		22.4500;-14.9833	

SE 14022Dc:

Kalabo	Zambia	22.6833;-14.9667	1019 m

SE 14023Dd:

Mongu, 70 km NE (see Ndanda)	Zambia	23.7500;-14.9667	1086 m
Ndanda, 70 km NE Mongu (see also: Mongu, 70 km NE, Ndanda Dambo)	Zambia	23.7500;-14.9667	1086 m
Ndanda Dambo (see Ndanda), 70 km NE Mongu	Zambia	23.7500;-14.9667	1086 m
Ndanda School, Mongu, 70 km NE	Zambia	23.7500;-14.7500	

SE 14025Bb:

Kasompe camp, Kasempa district	Zambia	25.7500;-14.0833	

SE 14026Ca:

Kafue Game Reserve (see Kafue National Park)	Zambia	26.1667;-14.5000	
Kafue National Park (see also: Kafue Game Reserve, Kafue National Park No. 11)	Zambia	26.1667;-14.5000	
Kafue National Park No. 11 (see Kafue National Park)	Zambia	26.1667;-14.5000	
Lufupa and Kafue rivers confluence	Zambia	26.1914;-14.6178	
Lufupa Camp [Site 1]	Zambia	26.1883;-14.6142	
Lufupa Camp [Site 2]	Zambia	26.1908;-14.6156	1099 m
Lufupa Camp [Site 3]	Zambia	26.1881;-14.6133	

SE 14027Bd:

Lukanga Swamp, West of Broken Hill	Zambia	27.8053;-14.3797	

SE 14027Cc:

Mumbwa	Zambia	27.0667;-14.9833	1151 m

SE 14028Ad:

Broken Hill (see Kabwe)	Zambia	28.4500;-14.4333	1172 m
Kabwe (see also: Broken Hill)	Zambia	28.4500;-14.4333	1172 m

SE 14030Ad:

Lutembwe, Luangwa Valley	Zambia	30.3700;-14.3700	

SE 14031Ad:

Petauke	Zambia	31.3333;-14.2500	939 m

SE 14032Aa:

Nyimba and Chipata, between (see also: Nyimba and Fort Jameson, between)	Zambia	32.0000;-14.0000	
Nyimba and Fort Jameson, between (see Nyimba and Chipata, between)	Zambia	32.0000;-14.0000	

SE 14032Ab:

Nsadzu	Zambia	32.3333;-14.0667	1040 m

SE 14032Bb:

Masali Mine	Zambia	32.9833;-14.0833	
Missale	Zambia	32.9667;-14.0833	
Missale Old Mine	Zambia	32.9833;-14.0833	
Mualadze, Tete, 10 km N (see also: Mualadzi, Vila Gamito)	Mozambique	32.9869;-14.1664	965 m
Mualadzi (see Mualadze), Tete, 10 km N	Mozambique	32.9869;-14.1664	965 m
Vila Gamito (see Mualadze), Tete, 10 km N	Mozambique	32.9869;-14.1664	965 m

SE 14033Aa:

Missale Customs Post	Zambia		33.0000;-14.0667	
Vila Gamito, 10 km N	Mozambique	ca.	33.0500;-14.0670	

SE 14033Bb:

Bat Mountain (see Mbalame, mountain)	Malawi		33.8833;-14.1500	
Mbalame, mountain, S of Lilongwe (see also: Bat Mountain)	Malawi		33.8833;-14.1500	

SE 14033Ad:

Dzalanyama Forest Reserve, Rest House	Malawi		33.4167;-14.2500	

SE 14033Dc:

Furancungo, 30 mi [=48 km] NNW	Mozambique	ca.	33.6000;-14.8833	

SE 14034Bb:

Cape Maclear	Malawi		34.8500;-14.0167	562 m
Lusumbwe (see Monkey Bay)	Malawi		34.9167;-14.0833	496 m
Monkey Bay (see also: Lusumbwe)	Malawi		34.9167;-14.0833	496 m
Monkey Bay, 4 - 5 km from, on road from Monkey Bay to Mtakataka	Malawi	ca.	34.8833;-14.1167	
Namaso (see also: Namazo Bay)	Malawi		34.9833;-14.1667	522 m
Namazo Bay (see Namaso)	Malawi		34.9833;-14.1667	522 m

SE 14034Ac:

Chongoni Forest Reserve	Malawi		34.2229;-14.3019	
Dedza district	Malawi		34.1856;-14.2627	

SE 14034Cb:

Vila Coutinho	Mozambique		34.3728;-14.7344	1223 m

SE 14034Dc:

Kabango village banana plantation	Malawi		34.6333;-14.7667	
Ncheu (see Ntcheu), district HQ	Malawi		34.6333;-14.8167	1081 m
Nitcheu (see Ntcheu), district HQ	Malawi		34.6333;-14.8167	1081 m
Ntcheu, district HQ (see also: Ncheu, Nitcheu)	Malawi		34.6333;-14.8167	1081 m

SE 14034Dd:

Balaka, 20 km N (on road to Salima)	Malawi	ca.	34.8739;-14.8561	

SE 14035Ab:

Kwitunji Camp	Malawi		35.3756;-14.2031	
Namizimu Forest Reserve	Malawi		35.3803;-14.1889	

SE 14035Ad:

Fort Johns(ton), 5 mi [=8 km] below (see Ufudu village)	Malawi	ca.	35.2667;-14.4667	
Fort Johnston (see Mangochi), District HQ	Malawi		35.2667;-14.4667	469 m
Mangoche (see Mangochi), District HQ	Malawi		35.2667;-14.4667	469 m
Mangochi, District HQ (see also: Fort Johnston, Mangoche, Mponda)	Malawi		35.2667;-14.4667	469 m
Mangochi Hill (see also: Mangochi mountatin)	Malawi		35.4833;-14.4667	
Mangochi mountatin (see Mangochi Hill)	Malawi		35.4833;-14.4667	
Mangochi, 5 mi [=8 km] below (see Ufudu village)	Malawi	ca.	35.2667;-14.4667	
Mponda (see Mangochi), District HQ	Malawi		35.2667;-14.4667	469 m
Mwenyama village, near Mangochi	Malawi		35.2667;-14.4833	
Tembuka	Malawi		35.2667;-14.4667	

Ufudu village, 5 mi [=8 km] below Fort Johns(ton) (see also: Fort Johns(ton), 5 mi [=8 km] below, Mangochi, 5 mi [=8 km] below)	Malawi	ca.	35.2667;-14.4667	

SE 14035Cb:

Kausi, Lake Malombe	Malawi	ca.	35.2500;-14.6333	

SE 14035Da:

Somba	Malawi		35.5333;-14.6500	844 m

SE 14035Cd:

Liwonde Forest Reserve (see also: Liwonde National Park)	Malawi		35.3500;-14.8667	700 m
Liwonde National Park (see Liwonde Forest Reserve)	Malawi		35.3500;-14.8667	700 m
Mvuu Camp	Malawi		35.2953;-14.8511	480 m

SE 14038Cc:

Ribaue, 27 km W	Mozambique		38.0794;-14.9708	

SE 14040Dc:

Ibo	Mozambique		40.6833;-14.9833	

SE 14047Cc:

Anjajavy, 4 km NE	Madagascar		47.2319;-14.9952	10 m

SE 14047Cd:

Marovaza	Madagascar		47.2747;-14.9467	5 m
Marovaza, 4.2 km SE (cave)	Madagascar		47.3081;-14.9661	40 m

SE 14048Aa:

Grotte de Maromandia (see Maromandia)	Madagascar		48.0833;-14.2167	95 m
Maromandia (see also: Grotte de Maromandia, Maromandia cave)	Madagascar		48.0833;-14.2167	95 m
Maromandia cave (see Maromandia)	Madagascar		48.0833;-14.2167	95 m
Maromandia, NW	Madagascar	ca.	48.0833;-14.2167	95 m
Maromandia, NW of	Madagascar	ca.	48.0833;-14.2167	

SE 14049Bc:

Marojejy Nature Reserve (see Tahiry Nanaharin' i Marojezy)	Madagascar		49.7249;-14.3717	
Réserve Naturelle de Marojejy (see Tahiry Nanaharin' i Marojezy)	Madagascar		49.7249;-14.3717	
Tahiry Nanaharin' i Marojezy (see also: Marojejy Nature Reserve, Réserve Naturelle de Marojejy)	Madagascar		49.7249;-14.3717	

SE 14049Cb:

Anjanaharibe sud Reserve	Madagascar		49.4630;-14.7089	

SE 15012Aa:

Moçâmedes (see Namibe)	Angola		12.1522;-15.1961	44 m
Mossamedes (see Namibe)	Angola		12.1522;-15.1961	44 m
Namibe (see also: Moçâmedes, Mossamedes)	Angola		12.1522;-15.1961	44 m

SE 15012Db:

Capelopopo, near Virei (or Birei)	Angola	ca.	12.9500;-15.7167	

SE 15012Dd:

Capolopopo (see also: Fazenda Capolopopo)	Angola		12.8000;-15.9000	530 m
Fazenda Capolopopo (see Capolopopo)	Angola		12.8000;-15.9000	530 m

SE 15013Aa:

Fazenda Bumbo	Angola	ca.	13.0000;-15.2000	ca. 700 m

SE 15013Ab:

Humpata (see also: São Januaria, São Januaria da Humpata)	Angola		13.3833;-15.0167	6300 ft
São Januaria (see Humpata)	Angola		13.3833;-15.0167	1856 m
São Januaria da Humpata (see Humpata)	Angola		13.3833;-15.0167	1856 m

SE 15013Ba:

Huila	Angola		13.5333;-15.0667	1693 m
Jau	Angola		13.5167;-15.2333	1660 m

SE 15016Ac:

Cambisa	Angola		16.2167;-15.3167	1369 m

SE 15022Aa:

Sikongo, Barotseland	Zambia		22.1667;-15.0167	1026 m

SE 15022Ba:

Wenela, Kalabo	Zambia		22.6167;-15.0000	

SE 15022Bc:

Sihole	Zambia		22.5500;-15.3500	1054 m

SE 15022Ca:

Lueti River, S	Zambia		22.1000;-15.6333	

SE 15023Aa:

Limalunga (see also: Limulunga)	Zambia		23.1667;-15.1500	3330 ft
Limulunga, 10 mi [=16 km] N Mongu N.R.	Zambia	ca.	23.1482;-15.0681	
Limulunga (see Limalunga)	Zambia		23.1667;-15.1500	3330 ft
Mongu N.R., 10 mi [=16 km] N	Zambia		23.1500;-15.1000	1024 m

SE 15023Ac:

Mongu (see also: Mungu)	Zambia		23.1333;-15.2500	1009 m
Mungu (see Mongu)	Zambia		23.1333;-15.2500	1009 m

SE 15023Cb:

Senenga, 50 km NE	Zambia		23.3700;-15.6200	
Senenga, 59 km NE	Zambia		23.3700;-15.6200	

SE 15025Dd:

Ngoma	Zambia		25.9892;-15.8764	1020 m

SE 15027Ad:

Naleza	Congo (Democratic Republic of the)		27.3333;-15.4500	
Naleza [hill]	Zambia		27.3333;-15.4500	

SE 15027Cb:

Blue Lagoon National Park, Naleza	Zambia		27.4167;-15.5000	
Blue Lagoon National Park No. 18, Naleza	Zambia		27.4167;-15.5000	
Blue Lagoon ranch, Naleza	Zambia		27.4167;-15.5000	
Kambowa, Naleza	Zambia		27.4167;-15.5000	
Nampongwe [river], Lochinvar	Zambia		27.2833;-15.7333	

SE 15027Cc:

Lochinvar Kafue Flats	Zambia		27.1167;-15.8667	

SE 15027Cd:

Lochinvar (see Lochinvar National Park)	Zambia		27.2500;-15.9167	
Lochinvar National Park (see also: Lochinvar, Lochinvar National Park No. 13, Lochinvar Ranch, Lonchinvar)	Zambia		27.2500;-15.9167	
Lochinvar National Park No. 13 (see Lochinvar National Park)	Zambia		27.2500;-15.9167	
Lochinvar Ranch (see Lochinvar National Park), Chunga	Zambia		27.2500;-15.9167	
Lonchinvar (see Lochinvar National Park)	Zambia		27.2500;-15.9167	

SE 15027Dd:

Mazabuka (see also: Mazabuka Boma)	Zambia		27.7667;-15.8667	1101 m
Mazabuka Boma (see Mazabuka)	Zambia		27.7667;-15.8667	1101 m

SE 15028Ac:

Lusaka, 7 km W	Zambia		28.1000;-15.4167	

SE 15028Ad:

Chelston, 2 mi [=3.2 km] N	Zambia		28.3833;-15.3500	
Dzala Cave, 14 mi NE Lusaka (see also: Lusaka, 14 mi [=22.5 km] NE)	Zambia		28.3333;-15.4333	
Farm Xanadu, Lusaka	Zambia		28.2667;-15.4167	
Kabulonga	Zambia		28.3500;-15.4167	1275 m
Kriel cave (see Kriel Farm), 5 - 6 mi N-NE Lusaka	Zambia	ca.	28.3319;-15.3197	
Kriel Farm, 5 - 6 mi N-NE Lusaka (see also: Kriel cave, Kriel Ranch, Lusaka, 5 - 6 mi [=8 - 10 km] N-NE, Ngiverone Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E, Ngwerere Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E)	Zambia	ca.	28.3319;-15.3197	
Kriel Ranch (see Kriel Farm), 5 - 6 mi N-NE Lusaka	Zambia	ca.	28.3319;-15.3197	
Lusaka	Zambia		28.2833;-15.4167	1270 m
Lusaka, 10 km NW (see Ngwerere cave)	Zambia		28.3167;-15.3167	1280 m
Lusaka, 14 mi [=22.5 km] NE (see Dzala Cave)	Zambia		28.3333;-15.4333	
Lusaka, 5 - 6 mi [=8 - 10 km] N-NE (see Kriel Farm)	Zambia	ca.	28.3319;-15.3197	
Lusake, 6 mi [=9.7 km] NE	Zambia		28.3500;-15.4167	
Munali (see Munali School)	Zambia		28.3500;-15.3833	
Munali School (see also: Munali)	Zambia		28.3500;-15.3833	
Natural Resources Development College, Lusaka, near	Zambia		28.3667;-15.3833	
Ngiverone Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E (see Kriel Farm)	Zambia	ca.	28.3319;-15.3197	
Ngwerere cave, 10 km NW Lusaka (see also: Lusaka, 10 km NW)	Zambia		28.3167;-15.3167	1280 m
Ngwerere Siding	Zambia		28.3167;-15.3167	
Ngwerere Siding, 1 mi [=1.6 km] S, 1/3 mi [=600 m] E (see Kriel Farm)	Zambia	ca.	28.3319;-15.3197	
Ngwerere Siding, near	Zambia	ca.	28.3200;-15.3200	

SE 15028Bc:

Reitfontein (see Rietfontein Farm), Lusaka, near	Zambia		28.7167;-15.4667	
Rietfontein Farm, Lusaka, near (see also: Reitfontein)	Zambia		28.7167;-15.4667	

SE 15028Ca:

Chilanga Intensive Conservation Area (see Chilanga West Intensive Conservation Area)	Zambia		28.1667;-15.5833	
Chilanga Nature Reserve (see Chilanga West Intensive Conservation Area)	Zambia		28.1667;-15.5833	
Chilanga West Intensive Conservation Area (see also: Chilanga Intensive Conservation Area, Chilanga Nature Reserve)	Zambia		28.1667;-15.5833	
Chipongwe Cave, 18 mi [=29 km] S Lusaka; between Lusaka and Kafue (see also: Chiponque Cave)	Zambia		28.2333;-15.6833	
Chiponque Cave (see Chipongwe Cave)	Zambia		28.2333;-15.6833	
Lusaka, 20 mi [=32 km] SW	Zambia		28.1250;-15.6250	
Lusaka, 20 mi [=32 km] SW (see CE Ltd., cave)	Zambia		28.1250;-15.6250	
Makeni Farm, Lusaka, near	Zambia		28.1667;-15.5167	
Makulu, mount, 15 km S Lusaka (see also: Mount Makulu)	Zambia		28.1833;-15.5500	
Mount Makulu (see Makulu, mount), 15 km S Lusaka	Zambia		28.1833;-15.5500	
Mount Makulu Research Station	Zambia		28.1250;-15.6250	

SE 15028Cb:

Chilanga, 10 mi S Lusaka (see also: Lusaka, 10 mi [=16 km] S)	Zambia		28.2833;-15.5500	1220 m
Chilanga cave	Zambia		28.2700;-15.5500	
Chilanga Caves	Zambia		28.2667;-15.5500	
Chipongwe (see also: Chipongwe West)	Zambia		28.2667;-15.6500	1090 m
Chipongwe West (see Chipongwe)	Zambia		28.2667;-15.6500	1090 m
Lusaka, 10 mi [=16 km] S (see Chilanga)	Zambia		28.2833;-15.5500	1220 m
Lusaka, 18 mi [=29 km] S	Zambia		28.2833;-15.6802	

SE 15028Da:

Leopard's Hill Cave	Zambia		28.6990;-15.6048	

SE 15028Cd:

Kafue Gorge, near	Zambia		28.4500;-15.8500	
Kapongo cave	Zambia		28.3500;-15.7667	

SE 15028Dc:

Chisakila Area	Zambia	ca.	28.6833;-15.9000	
Kafue Gorge	Zambia		28.5000;-15.8667	
Mkwashi (see Mkwisi)	Zambia		28.6000;-15.9000	
Mkwesi (see Mkwisi)	Zambia		28.6000;-15.9000	
Mkwishi (see Mkwisi)	Zambia		28.6000;-15.9000	
Mkwisi (see also: Mkwashi, Mkwesi, Mkwishi, Mkwisi, Mukwishi, Mukwisi)	Zambia		28.6000;-15.9000	
Mkwisi (see Mkwisi)	Zambia		28.6000;-15.9000	
Mukwishi (see Mkwisi)	Zambia		28.6000;-15.9000	
Mukwisi (see Mkwisi)	Zambia		28.6000;-15.9000	

SE 15028Dd:

Gwabi lodge, on Kafue river, near Chirundu	Zambia		28.8614;-15.9514	
Kafue River (see also: Lufuu River)	Zambia		28.9167;-15.9333	
Lufuu River (see Kafue River)	Zambia		28.9167;-15.9333	
Zambezi Farm, confluence of Kafue and Zambezi rivers, near Chirundu	Zambia	ca.	28.9125;-15.9417	

SE 15029Ac:

Lusaka province	Zambia		29.0000;-15.4167	

SE 15029Ca:

Mana Pools National Park, HQ	Zimbabwe		29.1667;-15.7167	

SE 15029Cb:

Chief Chlawa's	Zambia		29.3700;-15.6200	

Mana Pools Camp (see Nyamepi Camp)	Zimbabwe		29.3667;-15.7167	
Mana Pools Game Reserve (see Mana Pools Parks and Wildlife Land)	Zimbabwe		29.3500;-15.7333	365 m
Mana Pools National Park (see Mana Pools Parks and Wildlife Land)	Zimbabwe		29.3500;-15.7333	365 m
Mana Pools Parks and Wildlife Land (see also: Mana Pools Game Reserve, Mana Pools National Park)	Zimbabwe		29.3500;-15.7333	365 m
Nyamepi Camp (see also: Mana Pools Camp)	Zimbabwe		29.3667;-15.7167	
Rukameshi River on SN Game Fence	Zimbabwe		29.4167;-15.7167	

SE 15029Db:

Chewore/Zambezi Confluence	Zimbabwe		29.8750;-15.6250	
Zambesi-Chewore junction (see Zambezi-Cherowe Junction)	Zimbabwe		29.9000;-15.6333	
Zambezi-Cherowe Junction (see also: Zambesi-Chewore junction)	Zimbabwe		29.9000;-15.6333	

SE 15030Cb:

Kanyemba	Zimbabwe		30.3167;-15.7000	497 m

SE 15031Da:

Magoe Velho (see also: Màgoé Velho, Mágué, Magüè Velho)	Mozambique		31.6822;-15.6936	315 m
Màgoé Velho (see Magoe Velho)	Mozambique		31.6822;-15.6936	315 m
Mágué (see Magoe Velho)	Mozambique		31.6822;-15.6936	315 m
Magüè Velho (see Magoe Velho)	Mozambique		31.6822;-15.6936	315 m

SE 15031Dc:

Mague (New) Boroma	Mozambique		31.7330;-15.8170	

SE 15031Dd:

Mágoè (see also: Magüè, Mague Novo, Mague, new)	Mozambique		31.7508;-15.8061	474 m
Magüè (see Mágoè)	Mozambique		31.7508;-15.8061	474 m
Mague Novo (see Mágoè)	Mozambique		31.7508;-15.8061	474 m
Mague, new (see Mágoè)	Mozambique		31.7508;-15.8061	474 m

SE 15033Cb:

Aldeia Chiuta (see also: Chiúta, Chuta)	Mozambique		33.2897;-15.5622	800 m
Chiúta (see Aldeia Chiuta)	Mozambique		33.2897;-15.5622	800 m
Chuta (see Aldeia Chiuta)	Mozambique		33.2897;-15.5622	800 m

SE 15033Db:

Aldeia Muchena (see also: Massamba, 10 mi [=16 km] E, Muchena, Tetane Muchena)	Mozambique		33.8056;-15.6822	356 m
Massamba, 10 mi [=16 km] E (see Aldeia Muchena)	Mozambique		33.8056;-15.6822	356 m
Muchena (see Aldeia Muchena), 10 mi [=16 km] E Massamba	Mozambique		33.8056;-15.6822	356 m
Tetane Muchena (see Aldeia Muchena)	Mozambique		33.8056;-15.6822	356 m

SE 15034Cb:

Vila Coutinho, 93 km S	Mozambique	ca.	34.3323;-15.6720	

SE 15034Db:

Chileka	Malawi		34.9333;-15.6833	

SE 15034Dd:

Mandala	Malawi		34.9833;-15.7833	997 m

SE 15035Aa:

Balaka district	Malawi	ca.	35.0000;-15.0000	
Likwenu river	Malawi		35.2333;-15.0167	
Liwonde	Malawi		35.2167;-15.0667	507 m
(see also: Old Liwonde Boma)				
Old Liwonde Boma (see Liwonde)	Malawi		35.2167;-15.0667	507 m

SE 15035Ab:

Chinguni Resthouse	Malawi		35.2667;-15.0333	
Headquaters	Malawi		35.2500;-15.0500	
Liwonde National Park, Headquarters	Malawi		35.2544;-15.0383	
Malosa	Malawi		35.3333;-15.2000	900 m

SE 15035Ac:

Mpalanganga Estate	Malawi		35.2333;-15.4500	

SE 15035Ad:

Chagwa dam	Malawi		35.3333;-15.3500	
Chimpeni Estate (see Chipeni Farm), Old Farmhouse	Malawi		35.4167;-15.4000	750 m
Chimpini Farm (see Mpyupyu Prison Farm)	Malawi		35.4500;-15.3667	717 m
Chingwe's Hole	Malawi		35.2667;-15.3333	1800 m
Chipeni Farm	Malawi		35.4167;-15.4000	750 m
(see also: Chimpeni Estate)				
Kalimbuka	Malawi		35.3167;-15.3833	
Mpalanganga Dam	Malawi		35.2500;-15.4500	1100 m
Mpyupyu Prison Farm, 12 km E Zomba	Malawi		35.4500;-15.3667	717 m
(see also: Chimpini Farm)				
Mulunguzi Dam	Malawi		35.3167;-15.3667	
(see also: Trout Ponds)				
Mulunguzi Road, 10	Malawi		35.3333;-15.3833	900 m
Trout Ponds (see Mulunguzi Dam)	Malawi		35.3167;-15.3667	
Zomba	Malawi		35.3333;-15.3833	848 m
(see also: Zomba town)				
Zomba Plateau, Shire highlands	Malawi		35.3167;-15.3667	5000 ft
Zomba plateau, foot of, Zomba, 4 km N	Malawi		35.3000;-15.3333	
Zomba town (see Zomba)	Malawi		35.3333;-15.3833	848 m

SE 15035Ca:

Blantyre and Zomba, between	Malawi	ca.	35.2000;-15.5167	
Kapalasa Farm, 3 km N Namadzi village	Malawi		35.1833;-15.5167	1000 m
Kapina Estates	Malawi		35.1800;-15.5200	
Kapino dam, Kapina Estates	Malawi		35.1833;-15.5167	1000 m
Namadzi village, 3 km N	Malawi		35.1667;-15.6333	1027 m

SE 15035Cb:

Ntondwe (see Thondwe)	Malawi		35.4500;-15.5000	678 m
Ntondwe Market (see Thondwe)	Malawi		35.4500;-15.5000	678 m
Thondwe	Malawi		35.4500;-15.5000	678 m
(see also: Ntondwe, Ntondwe Market)				

SE 15035Cc:

Blantyre	Malawi		35.0000;-15.7833	1065 m
(see also: Kapeni)				
Kapeni (see Blantyre)	Malawi		35.0000;-15.7833	1065 m
Sunnyside Suburb	Malawi		35.0000;-15.8000	1088 m

SE 15035Cd:

Likabula (see Likabula Tea Factory)	Malawi		35.4833;-15.9667	760 m
Likabula mission	Malawi		35.4000;-15.9500	
Likabula Tea Factory	Malawi		35.4833;-15.9667	760 m
(see also: Likabula, Likhubula Camp)				
Likhubula Camp (see Likabula Tea Factory)	Malawi		35.4833;-15.9667	760 m
Mulanje and Blantyre, road between	Malawi	ca.	35.2644;-15.8764	

SE 15035Dc:

Likhubula Camp, 1.5 km E	Malawi		35.5139;-15.9381	1090 m
Lujeri Tea Estate, Mulanje Forest Res, edge Lujeri Tea Estate, next to Ruo River	Malawi		35.6541;-15.9615	1000 m
Madzeka hut	Malawi	ca.	35.6667;-15.9167	
Mlanje Mountain (see Mulanje mountains)	Malawi		35.6333;-15.9667	4000 ft
Mlanje Plateau (see Mulanje mountains)	Malawi		35.6333;-15.9667	4000 ft
Mount Mulanje (see Mulanje, mount)	Malawi		35.6700;-15.9200	1200 m
Mulanje Mountain Conservation Trust (MMCT) office, base of moutain	Malawi	ca.	35.6667;-15.9167	650 m
Mulanje mountains (see also: Mlanje Mountain, Mlanje Plateau, Mulanje Plateau)	Malawi		35.6333;-15.9667	4000 ft
Mulanje Plateau (see Mulanje mountains)	Malawi		35.6333;-15.9667	4000 ft
Mulanje, mount (see also: Mount Mulanje)	Malawi		35.6700;-15.9200	1200 m
Tinyade Estate	Malawi		35.5903;-15.8594	815 m

SE 15036Bd:

Ukalini Forest	Mozambique	ca.	36.9844;-15.3939	

SE 15037Ab:

Inago, mount (see Mount Inago)	Mozambique		37.3900;-15.0800	ca. 1200 m
Mount Inago (see also: Inago, mount)	Mozambique		37.3900;-15.0800	ca. 1200 m
Mount Inago Forest Camp	Mozambique		37.3961;-15.0450	1478 m

SE 15037Ac:

Gurué Tea Plantation	Mozambique		37.0192;-15.4622	1700 m
Gurué, 2.9 km N, 8.9 km E (see Vila Junqueiro, 2.9 km N, 8.9 km E), cave adjacent to Mount Muresi	Mozambique		37.0743;-15.4135	984 m
Gurué, 6 km N, 10.8 km E (see Merrápué)	Mozambique		37.0750;-15.4078	1111 m
Gurué, 7.6 km N, 7.2 km E (see Vila Junqueiro, 7.6 km N, 7.2 km E)	Mozambique		37.0428;-15.3993	1707 m
Gurué, ca 8 km N, 8 km E	Mozambique		37.0428;-15.3993	
Manho Forest (see also: Manhoe Forest)	Mozambique		37.0614;-15.3693	
Manhoe Forest (see Manho Forest)	Mozambique		37.0611;-15.3692	
Merrápué, 6 km N, 10.8 km E Gurue, Malema river (see also: Gurué, 6 km N, 10.8 km E, Murabue)	Mozambique		37.0750;-15.4078	1111 m
Mount Namuli (see also: Namuli, mount)	Mozambique		37.0678;-15.3853	1200 m
Mount Namuli, base camp	Mozambique	ca.	37.0333;-15.3667	
Murabue (see Merrápué), 6 km N, 10.8 km E Gurue, Malema river	Mozambique		37.0750;-15.4078	1111 m
Muresi Swamp, SE of	Mozambique		37.0428;-15.3993	
Namuli, mount (see Mount Namuli)	Mozambique		37.0678;-15.3853	1200 m
Vila Junqueiro, 2.9 km N, 8.9 km E, cave adjacent to Mount Muresi (see also: Gurué, 2.9 km N, 8.9 km E)	Mozambique		37.0743;-15.4135	984 m
Vila Junqueiro, 7.6 km N, 7.2 km E (see also: Gurué, 7.6 km N, 7.2 km E)	Mozambique		37.0428;-15.3993	

SE 15038Db:

Nabaunama River, Nampula, 20 mi WSW	Mozambique		38.8667;-15.6167	

SE 15039Aa:

Bamboo Inn, outskirts of Nampula town	Mozambique		39.2175;-15.1031	420 m

SE 15040Ba:

Concelho (see Mozambique Island)	Mozambique		40.7333;-15.0333	
Lumbo	Mozambique		40.6664;-15.0106	0 m
Moçambique, Ilha de (see Mozambique Island)	Mozambique		40.7333;-15.0333	
Mozambique Island (see also: Concelho, Moçambique, Ilha de)	Mozambique		40.7333;-15.0333	

SE 15040Bb:

Cabaceira (see Cabaceira Pequena)	Mozambique	40.7661;-15.0111	0 m
Cabaceira Pequena (see also: Cabaceira)	Mozambique	40.7661;-15.0111	0 m

SE 15045Dd:

Boeni (see Boeny)	Madagascar	45.9333;-15.9000	44 m
Boeny (see also: Boeni, Boina)	Madagascar	45.9333;-15.9000	44 m
Boina (see Boeny)	Madagascar	45.9333;-15.9000	44 m

SE 15046Cb:

Belobaka	Madagascar	46.4190;-15.6906	
Mahajanga (see also: Majunga)	Madagascar	46.3176;-15.7167	124 m
Mahajanga, N of	Madagascar	46.3219;-15.6681	
Majunga (see Mahajanga)	Madagascar	46.3176;-15.7167	124 m

SE 15046Db:

Andranoboka, caves (see Anjohibe Cave), NCC-1 deposit	Madagascar	46.8861;-15.5425	100 m
Androhibe, caves (see Anjohibe Cave), NCC-1 deposit	Madagascar	46.8861;-15.5425	100 m
Anjohibe Cave, NCC-1 deposit, 3.7 km NE Antanamarina (see also: Andranoboka, caves, Androhibe, caves, Anjohibe Zohin', Antanamarina, 3.7 km NE, Grotte d'Anjohibe, Grottes d'Andranoboka, Grottes d'Androhibe, Grottes d'Anjohibe, Tsinjomitondraka)	Madagascar	46.8861;-15.5425	100 m
Anjohibe Zohin' (see Anjohibe Cave), NCC-1 deposit	Madagascar	46.8861;-15.5425	100 m
Anjohikely cave (south entrance) (see Grotte d'Anjohikely (south entrance)), 1.5 km NE Antanamasina	Madagascar	46.8742;-15.5608	
Antanamarina cascade (see also: Cascade d'Antanamarina)	Madagascar	46.8692;-15.5761	
Antanamarina, 3.7 km NE (see Anjohibe Cave)	Madagascar	46.8861;-15.5425	100 m
Antanamasina, 1.5 km NE (see Grotte d'Anjohikely (south entrance))	Madagascar	46.8742;-15.5608	
Cascade d'Antanamarina (see Antanamarina cascade)	Madagascar	46.8692;-15.5761	
Grotte d'Anjohibe (see Anjohibe Cave), 3.7 km NE Antanamarina	Madagascar	46.8861;-15.5425	100 m
Grotte d'Anjohikely (south entrance), 1.5 km NE Antanamarina (see also: Anjohikely cave (south entrance), Antanamasina, 1.5 km NE)	Madagascar	46.8742;-15.5608	
Grottes d'Andranoboka (see Anjohibe Cave), NCC-1 deposit	Madagascar	46.8861;-15.5425	100 m
Grottes d'Androhibe (see Anjohibe Cave), NCC-1 deposit	Madagascar	46.8861;-15.5425	100 m
Grottes d'Anjohibe (see Anjohibe Cave), NCC-1 deposit	Madagascar	46.8861;-15.5425	100 m
Tsinjomitondraka (see Anjohibe Cave), NCC-1 deposit	Madagascar	46.8861;-15.5425	100 m

SE 15046Cd:

Boanamary, 3 km NE	Madagascar	ca.	46.3167;-15.8333	0 m

SE 15046Dc:

Ambovondramanesy, village near Berivotra, on RN4	Madagascar	46.5833;-15.9000	
Berifitra (see Berivotra (village))	Madagascar	46.5783;-15.9008	252 m
Berivotra (village) (see also: Berifitra)	Madagascar	46.5783;-15.9008	252 m

SE 15047Aa:

Anjajavy (see also: Jajavy)	Madagascar	47.2333;-15.0333	112 m
Anjajavy, 18.5 km S (see Grotte d'Ankelimahogo)	Madagascar	47.2028;-15.1906	50 m
Anjajavy, 26.5 km SW	Madagascar	47.0422;-15.1979	0 m
Anjajavy, 3 km NE	Madagascar	47.2389;-15.0079	10 m
Ankelimahogo cave (see Grotte d'Ankelimahogo)	Madagascar	47.2028;-15.1906	50 m

Grotte d'Ankelimahogo (see also: Anjajavy, 18.5 km S, Ankelimahogo cave)	Madagascar		47.2028;-15.1906	50 m
Jajavy (see Anjajavy)	Madagascar		47.2333;-15.0333	112 m

SE 15048Dd:

Mahajanga, 274 km E (see Mandritsara, N of)	Madagascar		48.8167;-15.8167	
Mandritsara, N of, 274 km E Mahajanga (see also: Mahajanga, 274 km E)	Madagascar		48.8167;-15.8167	

SE 15049Bc:

Bevato, 40 km NW (see Maroantsetra, 40 km NW)	Madagascar	ca.	49.5667;-15.2833	400 m
Maroantsetra	Madagascar		49.7333;-15.4333	170 m
Maroantsetra, 40 km NW (see also: Bevato, 40 km NW)	Madagascar	ca.	49.5667;-15.2833	400 m
Maroantsetra, near	Madagascar	ca.	49.7333;-15.4333	
Maroantsetra, NW of	Madagascar	ca.	49.7333;-15.4333	

SE 15049Bd:

Farankaraina Tropical Park	Madagascar		49.8422;-15.4285	
Hiaraka, Masoala, Baie d'Antongil	Madagascar		49.9000;-15.4833	
Poste Forestier de Farankaraina, Mahalevona, 7.5 km SW	Madagascar		49.8453;-15.4282	50 m

SE 15049Da:

Ambodi Mangy (see also: Maroantsetra, 20 km SW)	Madagascar		49.6000;-15.5667	
Maroantsetra, 20 km SW (see Ambodi Mangy)	Madagascar		49.6000;-15.5667	

SE 15049Db:

Ambanizana (see also: Benjana)	Madagascar		49.9667;-15.6167	255 m
Androka River, along, Ambanizana, 1.1 km S	Madagascar		49.9686;-15.6342	5 m
Benjana (see Ambanizana)	Madagascar		49.9667;-15.6167	255 m

SE 16014Db:

Humbe (see also: Humbe Mutano, Mutano)	Angola		14.9000;-16.6833	116 m
Humbe Mutano (see Humbe)	Angola		14.9000;-16.6833	116 m
Mutano (see Humbe)	Angola		14.9000;-16.6833	116 m
Otjipomenima	Angola		14.9167;-16.6833	

SE 16023Ab:

Senanga (see also: Senanza)	Zambia		23.2667;-16.1167	967 m
Senanza (see Senanga)	Zambia		23.2667;-16.1167	967 m

SE 16023Ac:

Libala Lia Matabele (see Matabele plain)	Zambia		23.1333;-16.4167	
Libala Lya Matebele (see Matabele plain)	Zambia		23.1333;-16.4167	
Matabele plain (see also: Libala Lia Matabele, Libala Lya Matebele , Matebele plain)	Zambia		23.1333;-16.4167	
Matebele plain (see Matabele plain)	Zambia		23.1333;-16.4167	

SE 16023Cd:

Sioma Bush Camp	Zambia		23.4203;-16.7508	

SE 16025Db:

Mandala Camp (see Mandala School), Choma district	Zambia		25.9333;-16.5167	
Mandala School, Choma district (see also: Mandala Camp)	Zambia		25.9333;-16.5167	

SE 16026Db:

Choma, 12 mi [=19 km] NW	Zambia	ca.	26.8327;-16.6822	1234 m

SE 16026Dd:

Choma	Zambia		26.9833;-16.8167	1320 m

SE 16027Ba:

Magoye Forest Reserve	Zambia		27.6667;-16.0000	
(see also: Magoye research station)				
Magoye research station (see Magoye Forest Reserve)	Zambia		27.6667;-16.0000	

SE 16027Ad:

Monze, 200 mi S N'Dola	Zambia		27.4833;-16.2833	1107 m
(see also: N'Dola, 200 mi [=322 km] S)				
N'Dola, 200 mi [=322 km] S (see Monze)	Zambia		27.4833;-16.2833	1107 m

SE 16027Ca:

Choma district	Zambia		27.1667;-16.6667	

SE 16028Ad:

Kariba, lake, north shore	Zambia		28.3333;-16.4667	

SE 16028Da:

Sanyati West Camp	Zimbabwe		28.6250;-16.6250	

SE 16028Db:

Kariba	Zimbabwe		28.8000;-16.5167	618 m
Kariba, 6 km E	Zimbabwe		28.8667;-16.5333	
Mopane Bay, Lake Kariba	Zimbabwe		28.8750;-16.6250	
Nyanyana campsite, Lake Kariba	Zimbabwe		28.8833;-16.5333	

SE 16028Cd:

Dumbu Pan	Zimbabwe		28.3667;-16.8667	
Kariba, island in lake	Zimbabwe		28.3750;-16.8750	
Kariba, lake	Zimbabwe		28.3667;-16.8667	
Matusadona, Tashinga	Zimbabwe		28.3750;-16.8750	
Tashinga	Zimbabwe		28.3667;-16.8667	

SE 16028Dc:

Kanjedza River	Zimbabwe		28.6250;-16.8750	
Matusadona National Park, Nyanumi River	Zimbabwe		28.6250;-16.8750	
Nyanumi River	Zimbabwe		28.6250;-16.8750	
Sanyati West	Zimbabwe		28.6250;-16.8750	

SE 16028Dd:

Gatshe Gatshe Bay, Lake Kariba	Zimbabwe		28.8667;-16.8667	

SE 16029Db:

Miami, 4 mi [=6.4 km] E	Zimbabwe		29.8167;-16.6667	

SE 16029Dc:

Karoi	Zimbabwe		29.6833;-16.8167	1285 m
(see also: Karoyi)				
Karoyi (see Karoi)	Zimbabwe		29.6833;-16.8167	1285 m

SE 16030Aa:

Chiwore Safari Area	Zimbabwe		30.1250;-16.1250	

Dinosaur Trackway	Zimbabwe	30.1250;-16.1250	

SE 16030Ab:

Lomagundi, Urungu river	Zimbabwe	30.2500;-16.0000	
Manyima River	Zimbabwe	30.3500;-16.0500	

SE 16030Ad:

Mashunga Hande Dam, Katchuta, Mangula	Zimbabwe	30.4333;-16.3167	

SE 16030Bc:

Viro Hill	Zimbabwe	30.6250;-16.3750	

SE 16030Bd:

Musengezi river	Zimbabwe	30.7500;-16.2500	
Musengezi river confluence	Zimbabwe	30.7500;-16.2500	
Muzarabani Clinic	Zimbabwe	30.8750;-16.3750	

SE 16030Db:

Gurungwe (Farm)	Zimbabwe	30.8300;-16.7420	
Sohwe River	Zimbabwe	30.8667;-16.6167	

SE 16030Cd:

Dichwe [river]	Zimbabwe	30.4667;-16.8333	

SE 16030Dc:

Msitive and Mtoroshanga rivers, confluence	Zimbabwe	30.6250;-16.8750	

SE 16031Ba:

Masingwa River (see also: Musingwa River)	Zimbabwe	31.5000;-16.1667	
Musingwa River (see Masingwa River)	Zimbabwe	31.5000;-16.1667	

SE 16031Ac:

Ada Estates, Muzarabani	Zimbabwe	31.1250;-16.3750	

SE 16031Ad:

Hoya River Camp, Muzarabani Communal Land	Zimbabwe	31.4833;-16.4500	

SE 16032Cb:

Chimanda CL (see Chimanda Tribal Trust Land), Mazoe River	Zimbabwe	32.2500;-16.6667	
Chimanda Reserve (see Chimanda Tribal Trust Land), Mazoe River	Zimbabwe	32.2500;-16.6667	
Chimanda Tribal Trust Land, Mazoe River (see also: Chimanda CL, Chimanda Reserve)	Zimbabwe	32.2500;-16.6667	
Marymount mission, Bopoma gorge	Zimbabwe	32.4333;-16.6667	

SE 16032Dc:

Kudzwe dam	Zimbabwe	32.5167;-16.7833	
Kudzwe river, near	Zimbabwe	32.5167;-16.7833	

SE 16033Ba:

Kasumbadedza, 5 mi [=8 km] W Tete	Mozambique	33.5296;-16.1421	
Moatize, 17 km E (see also: Muatize, 17 km E, Villa Moatize, 17 km E)	Mozambique	33.7000;-16.0833	
Muatize, 17 km E (see Moatize, 17 km E)	Mozambique	33.7000;-16.0833	
Tete, on the Zambezi River (see also: Vila-de-Santiago-Maior)	Mozambique	33.5867;-16.1564	140 m

Tete, 2 mi [=3.2 km] E	Mozambique	ca.	33.6167;-16.1667	
Tete, 2 mi [=3.2 km] SE	Mozambique		33.6167;-16.1167	
Tete, 5 mi [=8 km] W (see Magude, 45 km SW)	Mozambique		33.5296;-16.1421	
Tete, near	Mozambique	ca.	33.5867;-16.1564	
Vila-de-Santiago-Maior (see Tete), on the Zambezi River	Mozambique		33.5867;-16.1564	140 m
Villa Moatize, 17 km E (see Moatize, 17 km E)	Mozambique		33.7000;-16.0833	

SE 16034Ba:

Camp Chikwawa (see also: Chikwawa camp)	Malawi		34.7333;-16.2167	
Chikwawa camp (see Camp Chikwawa)	Malawi		34.7333;-16.2167	
Tourist Camp, 3 km W, near pool along link road	Malawi		34.5833;-16.2333	

SE 16034Bb:

Chikwawa	Malawi		34.8000;-16.0500	94 m
Likabula river	Malawi		34.7833;-16.0167	1200 m
Sucoma, Nchalo	Malawi		34.8833;-16.2333	

SE 16034Bc:

Lumenda, near Lengwe National Park (see also: Lumenda village)	Malawi		34.6667;-16.3000	
Lumenda village (see Lumenda)	Malawi		34.6667;-16.3000	

SE 16034Bd:

Lengwe Game Reserve (see Lengwe National Park)	Malawi		34.7500;-16.2500	
Lengwe National Park (see also: Lengwe Game Reserve)	Malawi		34.7500;-16.2500	
Nchalo	Malawi		34.9167;-16.2667	52 m

SE 16035Aa:

Cholo (see Thyolo), on Ruo River	Malawi		35.1333;-16.0667	905 m
Cholo, mount (see Thyolo, mount)	Malawi		35.1500;-16.0833	4000 ft
Magombe and Satemwa Tea Estates (see Thyolo, mount)	Malawi		35.1500;-16.0833	
Mount Thyolo (see Thyolo, mount), Magombe and Satemwa Tea Estates	Malawi		35.1500;-16.0833	
Shire river, upper	Malawi		35.0000;-16.0000	
Thyolo, on Ruo River (see also: Cholo)	Malawi		35.1333;-16.0667	905 m
Thyolo, mount, Magombe and Satemwa Tea Estates (see also: Cholo, mount, Magombe and Satemwa Tea Estates, Mount Thyolo)	Malawi		35.1500;-16.0833	4000 ft
Upper Shire River	Malawi		35.0770;-16.0130	
Zoa Estate (see Zoa Tea Estate)	Malawi		35.1000;-16.1300	
Zoa Tea Estate (see also: Zoa Estate)	Malawi		35.2000;-16.2333	800 m

SE 16035Ba:

Mlange (see Mulanje), District HQ	Malawi		35.5000;-16.0333	644 m
Mlanje (see Mulanje), District HQ	Malawi		35.5000;-16.0333	644 m
Mlanje Boima (see Mulanje), District HQ	Malawi		35.5000;-16.0333	644 m
Mulanje, District HQ (see also: Mlange, Mlanje, Mlanje Boima)	Malawi		35.5000;-16.0333	644 m
Mulanje-Chitakali	Malawi	ca.	35.5000;-16.0333	

SE 16035Ac:

Mitondo (see also: Mtondo)	Malawi		35.0667;-16.2833	317 m
Mtondo (see Mitondo)	Malawi		35.0667;-16.2833	317 m
Muona Mission	Malawi		35.1667;-16.4167	100 m

SE 16035Ca:

Bangula swamp, 4 km SW Chiromo (see also: Chiromo, 4 km SW)	Malawi		35.1167;-16.5833	
Chiromo, confluence of Ruo and Shire rivers, Nsanje	Malawi		35.1333;-16.5500	42 m
Chiromo, 4 km SW (see Bangula swamp)	Malawi		35.1167;-16.5833	

Chiromo, mount (see also: Mount Chiromo)	Malawi	ca.	35.1500;-16.5333	200 ft
Mount Chiromo (see Chiromo, mount)	Malawi	ca.	35.1500;-16.5333	200 ft
Mwabvi Rest Camp	Malawi		35.0517;-16.6564	

SE 16035Da:

Chiperone, mount (see Mount Chiperone)	Mozambique		35.7258;-16.5069	
Mount Chiperone (see also: Chiperone, mount)	Mozambique		35.7258;-16.5069	

SE 16035Cd:

Chimombi (see Nsanje), District HQ	Malawi		35.2667;-16.9167	14 m
Nsanje, District HQ (see also: Chimombi, Port Herald)	Malawi		35.2667;-16.9167	14 m
Port Herald (see Nsanje), District HQ	Malawi		35.2667;-16.9167	14 m

SE 16036Ad:

Mabu, mount (see also: Monte Mabu, Mount Mabu, Serra Mabu)	Mozambique		36.3817;-16.2825	980 m
Monte Mabu (see Mabu, mount)	Mozambique		36.3817;-16.2825	980 m
Mount Mabu (see Mabu, mount)	Mozambique		36.3817;-16.2825	
Mount Mabu forest camp	Mozambique		36.3817;-16.2825	980 m
Mount Mabu, forest edge	Mozambique		36.4030;-16.2865	
Mount Mabu, Site 7	Mozambique		36.4030;-16.2865	
Serra Mabu (see Mabu, mount)	Mozambique		36.3817;-16.2825	980 m

SE 16044Cb:

Andranomanitsy Forest, 24.5 km N Besalampy (see also: Besalampy, 24.5 km N)	Madagascar		44.4897;-16.5244	35 m
Besalampy, 24.5 km N (see Andranomanitsy Forest)	Madagascar		44.4897;-16.5244	35 m

SE 16045Ab:

Soalala	Madagascar		45.3167;-16.1000	0 m

SE 16045Ad:

Ambohimirija caves (see Namoroka)	Madagascar		45.2833;-16.4000	80 m
Andranomavo, 32 km NW, near source of Mandevy River	Madagascar		45.3450;-16.3800	100 m
Andriabe site, 2 km SE Namoroka village	Madagascar	ca.	45.3333;-16.4667	
Anjohimbovonomby	Madagascar		45.3481;-16.4692	115 m
Causse de Namoroka (see Namoroka)	Madagascar		45.2833;-16.4000	80 m
Grottes d'Ambohimirija (see Namoroka)	Madagascar		45.2833;-16.4000	80 m
Namoroka (see also: Ambohimirija caves, Causse de Namoroka, Grottes d'Ambohimirija)	Madagascar		45.2833;-16.4000	80 m
Namoroka Nature Reserve (see Tsingy de Namoroka, Réserve Naturelle), Soalala, S	Madagascar		45.3333;-16.4667	
Rakotoniaine, on RN8 between Soalala and Vilanandro	Madagascar	ca.	45.3833;-16.3000	
Réserve Naturelle de Namoroka (see Tsingy de Namoroka, Réserve Naturelle), Soalala, S	Madagascar		45.3333;-16.4667	
Réserve Naturelle de Tsigny de Namoroka (see Tsingy de Namoroka, Réserve Naturelle)	Madagascar		45.3333;-16.4667	
Tsingy de Namoroka, Réserve Naturelle, Soalala, S (see also: Namoroka Nature Reserve, Réserve Naturelle de Namoroka, Réserve Naturelle de Tsigny de Namoroka)	Madagascar		45.3333;-16.4667	

SE 16046Ba:

Marovoay	Madagascar		46.6333;-16.1000	82 m

SE 16046Bb:

Ankazomborona	Madagascar		46.7539;-16.1163	
Sainte Marie	Madagascar		46.9667;-16.1333	147 m

SE 16046Bd:

Ampijoara Forest (see Mkhotakota district)	Madagascar	ca.	46.8167;-16.3000	
Ampijoara, lake (see Ampijoroa)	Madagascar	ca.	46.8167;-16.3000	
Ampijoroa, ca 40 km S Marovoay (see also: Ampijoara, lake, Ampyoara, Marovoay, ca 40 km S)	Madagascar	ca.	46.8167;-16.3000	
Ampirojoa forest (see Forêt d'Ampirojoa)	Madagascar		46.8100;-16.3150	100 m
Ampyoara (see Ampijoroa)	Madagascar	ca.	46.8167;-16.3000	
Antafinimihakatra	Madagascar		46.8000;-16.2667	
Forêt d'Ampirojoa (see also: Ampirojoa forest)	Madagascar		46.8100;-16.3150	100 m
Marovoay, ca 40 km S (see Ampijoroa)	Madagascar	ca.	46.8167;-16.3000	

SE 16046Dd:

Ambalanjanakomby, 25 km SW (see also: Ambalantanakomby, 25 km SW)	Madagascar	ca.	46.9446;-16.7835	
Ambalantanakomby, 25 km SW (see Ambalanjanakomby, 25 km SW)	Madagascar	ca.	46.9446;-16.7835	
Maevatanana (see also: Maevetanana, Mavatanana, Mevatanana)	Madagascar		46.8333;-16.9500	133 m
Maevetanana (see Maevatanana)	Madagascar		46.8333;-16.9500	133 m
Mavatanana (see Maevatanana)	Madagascar		46.8333;-16.9500	133 m
Mevatanana (see Maevatanana)	Madagascar		46.8333;-16.9500	133 m

SE 16047Aa:

Ankarafantsika forest (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga	Madagascar		47.0333;-16.1500
Ankarafantsika Natural Reserve (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga	Madagascar		47.0333;-16.1500
Mahajanga, 97 km SE (see Tahiry Nanaharin' Ankarafantsika)	Madagascar		47.0333;-16.1500
Réserve Naturelle de l' Ankarafantsika (see Tahiry Nanaharin' Ankarafantsika), 97 km SE Mahajanga	Madagascar		47.0333;-16.1500
Tahiry Nanaharin' Ankarafantsika, 97 km SE Mahajanga (see also: Ankarafantsika forest, Ankarafantsika Natural Reserve, Mahajanga, 97 km SE, Réserve Naturelle de l' Ankarafantsika)	Madagascar		47.0333;-16.1500

SE 16047Ac:

Ambondramamy	Madagascar		47.1560;-16.4360

SE 16047Dc:

Tsaratanana	Madagascar		47.6667;-16.7667

SE 17011Bd:

Cunene River (see also: Kunene River, Nourse River, Rio Cunene)	Namibia	ca.	11.7500;-17.2500	
Kunene River (see Cunene River)	Namibia	ca.	11.7500;-17.2500	
Nourse River (see Cunene River)	Namibia	ca.	11.7500;-17.2500	
Rio Cunene (see Cunene River)	Namibia	ca.	11.7500;-17.2500	

SE 17013Ab:

Epupa Falls, Cunene River (see also: Monte Negro, Queaas do, Montenegro Fälle, Quedas Montenegro)	Namibia		13.2500;-17.0000
Monte Negro, Queaas do (see Epupa Falls), Cunene River	Namibia		13.2500;-17.0000
Montenegro Fälle (see Epupa Falls), Cunene River	Namibia		13.2500;-17.0000
Quedas Montenegro (see Epupa Falls), Cunene River	Namibia		13.2500;-17.0000

SE 17013Bd:

Chitado (see Khitado)	Angola		13.9167;-17.3167	869 m

Khitado (see also: Chitado)	Angola	13.9167;-17.3167	869 m
Swartbooisdrift, Cunene river	Namibia	13.8333;-17.3333	
Tshimhaka, Cunene river	Namibia	13.8333;-17.3333	670 m

SE 17013Db:

Ehomba (see also: Ehomba Mountains, Ehombo, Ehomboberge)	Namibia	13.9167;-17.5833	800 m
Ehomba Mountains (see Ehomba)	Namibia	13.9167;-17.5833	800 m
Ehombo (see Ehomba)	Namibia	13.9167;-17.5833	800 m
Ehomboberge (see Ehomba)	Namibia	13.9167;-17.5833	800 m

SE 17013Dc:

Great Ombathu	Namibia	13.7167;-17.7667	

SE 17014Ac:

Catarata Roacana (see Ruacana Falls)	Namibia	14.2000;-17.3833	3350 ft
Catarata Ruacaná (see Ruacana Falls)	Namibia	14.2000;-17.3833	3350 ft
Cataratas de Ruacaná (see Ruacana Falls)	Namibia	14.2000;-17.3833	3350 ft
Cunene Falls (see Ruacana Falls)	Namibia	14.2000;-17.3833	3350 ft
Quedas do Ruacaná (see Ruacana Falls)	Namibia	14.2000;-17.3833	3350 ft
Roacana, Catarata (see Ruacana Falls)	Namibia	14.2000;-17.3833	3350 ft
Ruacana Falls (see also: Catarata Roacana, Catarata Ruacaná, Cataratas de Ruacaná, Cunene Falls, Quedas do Ruacaná, Roacana, Catarata, Ruacaná, Catarata, Ruacaná, Cataratas de, Ruacaná, Quedas do)	Namibia	14.2000;-17.3833	3350 ft
Ruacaná, Catarata (see Ruacana Falls)	Namibia	14.2000;-17.3833	3350 ft
Ruacaná, Cataratas de (see Ruacana Falls)	Namibia	14.2000;-17.3833	3350 ft
Ruacaná, Quedas do (see Ruacana Falls)	Namibia	14.2000;-17.3833	3350 ft

SE 17014Ad:

Otjumbumbi, N.W. Ovamboland, 15 mi above Cunene Falls, Cunene river	Namibia	14.4167;-17.4000	3400 ft
Rua Cana (see Ruacana)	Namibia	14.3500;-17.4333	1146 m
Ruacana (see also: Rua Cana)	Namibia	14.3500;-17.4333	1146 m

SE 17014Da:

Rehoboth Mission Station, 32 mi [=51.5 km] NW (see Ukualukasi)	Namibia	14.6167;-17.5333	3400 ft
Ukualuisi	Namibia	14.6167;-17.5333	3390 ft
Ukualukasi, 32 mi NW Rehoboth Mission Station (see also: Rehoboth Mission Station, 32 mi [=51.5 km] NW)	Namibia	14.6167;-17.5333	3400 ft

SE 17014Db:

Oemabantoe (see Ombalantu)	Namibia	14.9667;-17.5000	
Ombalantu (see also: Oemabantoe)	Namibia	14.9667;-17.5000	

SE 17015Bd:

Oshikanga (see Oshikango)	Namibia	15.8833;-17.4000	1099 m
Oshikango (see also: Oshikanga)	Namibia	15.8833;-17.4000	1099 m

SE 17015Cb:

Orongo Water Affairs Camp	Namibia	15.2833;-17.7000	

SE 17015Dc:

Okatana (see Oshakati), Onimuandi, 12 km S	Namibia	15.6833;-17.7833	1074 m
Onimuandi, 12 km S (see Oshakati)	Namibia	15.6833;-17.7833	1074 m

Oshakati, Onimuandi, 12 km S (see also: Okatana, Onimuandi, 12 km S)	Namibia	15.6833;-17.7833	1074 m

SE 17015Dd:

Ondangua (see Ondangwa)	Namibia	15.9500;-17.9167	1080 m
Ondangwa (see also: Ondangua, Ondonga, Ondongwa)	Namibia	15.9500;-17.9167	1080 m
Ondonga (see Ondangwa)	Namibia	15.9500;-17.9167	1080 m
Ondongwa (see Ondangwa)	Namibia	15.9500;-17.9167	1080 m

SE 17016Ad:

Eenhana	Namibia	16.3333;-17.4667	1108 m

SE 17016Cc:

Onguma	Namibia	16.1167;-17.9000	1073 m

SE 17018Ad:

Mbambi (see also: Mbumbi)	Namibia	18.4667;-17.4667	1103 m
Mbumbi (see Mbambi)	Namibia	18.4667;-17.4667	1103 m

SE 17018Ca:

Elephant Vlei (see Olifants Vlei)	Namibia	18.0000;-17.5000	
Elephant Vley (see Olifants Vlei)	Namibia	18.0000;-17.5000	
Olifant's Vlei (see Olifants Vlei)	Namibia	18.0000;-17.5000	

SE 17019Cc:

Gcangcu	Namibia	19.1833;-17.9500	1143 m

SE 17019Dc:

Samsitu campsite, W of Rundu	Namibia	19.6686;-17.8503	

SE 17020Cd:

Okavango-Omataka river junction	Namibia	20.4722;-17.9528	1080 m
Omuramba, Omatako	Namibia	20.4722;-17.9528	

SE 17021Cc:

Mbambi	Namibia	21.0000;-17.9167	900 m

SE 17022Da:

Chett Angolan border, 13 km N	Angola	22.6147;-17.6783	1201 m

SE 17022Dd:

Gaucha (see also: Geusha)	Namibia	22.8333;-17.8167	983 m
Geusha (see Gaucha)	Namibia	22.8333;-17.8167	983 m

SE 17023Ac:

Luiana Camp	Angola	23.0000;-17.3833	974 m

SE 17023Cd:

Kongola ferry area (see also: Kongolo)	Namibia	23.3833;-17.8000	952 m
Kongolo (see Kongola ferry area)	Namibia	23.3833;-17.8000	952 m
Maschi river	Namibia	23.3333;-17.7833	1000 m
Nampini	Namibia	23.3333;-17.8500	2900 ft

SE 17024Ad:

Ngweze	Namibia		24.2500;-17.4833	

SE 17024Cb:

Chobe River Farm (see Katima Mulilo), Katima Mulilo, Kabuta Village	Namibia		24.2667;-17.5000	803 m
Katima Molilo (see Katima Mulilo)	Namibia		24.2667;-17.5000	803 m
Katima Mulilo (see also: Chobe River Farm, Katima Molilo)	Namibia		24.2667;-17.5000	803 m
Lisikili, lake	Namibia	ca.	24.4333;-17.5500	

SE 17025Cc:

Kabuta Village	Namibia		25.0833;-17.8000	2900 ft
Kasane	Botswana		25.1333;-17.8167	708 m
Kasungula (see Kazungula)	Botswana		25.2413;-17.8040	
Kazungula (see also: Kasungula)	Botswana		25.2413;-17.8040	

SE 17025Cd:

Camp-Katembora	Zimbabwe	ca.	25.4500;-17.8500	
Kasungula (see Kazungula)	Zambia		25.2667;-17.7833	722 m
Kasungulu (see Kazungula)	Zambia		25.2667;-17.7833	722 m
Katombora Rapids	Zimbabwe		25.4000;-17.8500	
Kazungula (see also: Kasungula, Kasungulu)	Zambia		25.2667;-17.7833	722 m

SE 17025Dc:

Westwood Lodge (see Westwood Ranch)	Zimbabwe		25.5333;-17.9167	
Westwood Ranch (see also: Westwood Lodge, Westwood Vlei)	Zimbabwe		25.5333;-17.9167	
Westwood Vlei (see Westwood Ranch)	Zimbabwe		25.5333;-17.9167	

SE 17025Dd:

Amanza Tunqayo (see Victoria Falls), Dibutibu River, Batoka	Zimbabwe		25.8500;-17.9167	
Chino Timba (see Victoria Falls), Dibutibu River, Batoka	Zimbabwe		25.8500;-17.9167	
Kandaha Fishing Camp	Zimbabwe		25.7800;-17.8642	
Livingstone	Zambia		25.8667;-17.8500	3030 ft
Mosi oa Tunya (see Victoria Falls), Dibutibu River, Batoka	Zimbabwe		25.8500;-17.9167	
Mosi-Oa-Toenja (see Victoria Falls), Dibutibu River, Batoka	Zimbabwe		25.8500;-17.9167	
Nampini, near Victoria Falls	Zambia	ca.	25.8667;-17.9167	
Nampini [island]	Zimbabwe	ca.	25.8481;-17.9128	
Victoria Falls, Dibutibu River, Batoka (see also: Amanza Tunqayo, Chino Timba , Mosi oa Tunya, Mosi-Oa-Toenja)	Zimbabwe		25.8500;-17.9167	
Victoria Falls Bridge	Zimbabwe		25.8572;-17.9283	

SE 17026Ba:

Kalomo	Zambia		26.5000;-17.0500	1224 m

SE 17026Cd:

Batoka Gorge, Dibutibu River	Zimbabwe		26.2500;-17.9333	

SE 17027Bb:

Kariba, lake	Zimbabwe		27.8667;-17.1167	

SE 17027Bc:

Chete Safari Area, Eastern Section	Zimbabwe		27.6167;-17.3667	

SE 17027Da:

Mchesu River	Zimbabwe		27.6250;-17.6250

SE 17027Db:

Baruri Gorge	Zimbabwe		27.8750;-17.6250
Chizarira-Mcheni Gorge	Zimbabwe		27.8333;-17.6000
Manzituba	Zimbabwe		27.8500;-17.7167
Mcheni Gorge (see Mucheni Gorge)	Zimbabwe	ca.	27.8667;-17.6667
Mucheni Gorge (see also: Mcheni Gorge)	Zimbabwe	ca.	27.8667;-17.6667
Singama	Zimbabwe		27.8500;-17.6000

SE 17027Dc:

Kabuba Camp, Manjolo Communal Land	Zimbabwe		27.6500;-17.9333

SE 17027Dd:

Chizarira Game Reserve (see also: Chizarira National Park)	Zimbabwe		27.8833;-17.7833
Chizarira National Park (see Chizarira Game Reserve)	Zimbabwe		27.8833;-17.7833

SE 17028Aa:

Elizabeth lake (see Kariba, lake)	Zimbabwe		28.0000;-17.0000
Kariba reservoir (see Kariba, lake)	Zimbabwe		28.0000;-17.0000
Kariba, lake (see also: Elizabeth lake, Kariba reservoir, Lake Elizabeth, Lake Kariba)	Zimbabwe		28.0000;-17.0000
Lake Elizabeth (see Kariba, lake)	Zimbabwe		28.0000;-17.0000
Lake Kariba (see Kariba, lake)	Zimbabwe		28.0000;-17.0000

SE 17028Cb:

Chirisa Cave (see Chitisa Cave)	Zimbabwe		28.4000;-17.6833
Chitisa Cave (see also: Chirisa Cave)	Zimbabwe		28.4000;-17.6833

SE 17028Cd:

Chirisa Game Reserve (see also: Chirisa Safari Area)	Zimbabwe		28.2500;-17.9167
Chirisa Safari Area (see Chirisa Game Reserve)	Zimbabwe		28.2500;-17.9167
Magurazino River	Zimbabwe		28.4500;-17.7500

SE 17029Aa:

Bashungwe Cave, Chinhoyi (see also: Bashungwi Cave, Zemaiwi Cave)	Zimbabwe		29.2167;-17.2000
Bashungwi Cave (see Bashungwe Cave), Chinhoyi	Zimbabwe		29.2167;-17.2000
Zemaiwi Cave (see Bashungwe Cave), Chinhoyi	Zimbabwe		29.2167;-17.2000

SE 17029Ba:

Alaska Mine, 10 mi [=16 km] N (see Manyambara)	Zimbabwe		29.5000;-17.0000
Manyambara, 10 mi [=16 km] N Alaska Mine (see also: Alaska Mine, 10 mi [=16 km] N)	Zimbabwe		29.5000;-17.0000

SE 17029Dd:

Frog Mine, Mupfure [=Umfuli] River	Zimbabwe		29.8333;-17.9167

SE 17030Aa:

Kaukua Cave, Chinhoyi	Zimbabwe		30.0834;-17.0169
Victory Cave, Chinoyi	Zimbabwe		30.1250;-17.1250

SE 17030Bb:

Dawsons (see Mvurwi), Nyamunyeche	Zimbabwe		30.8500;-17.0333	1451 m

Frogmore, Mashona	Zimbabwe		30.9833;-17.1000	
Iron Mask Hills cave, Mazowe	Zimbabwe		30.9633;-17.0617	
Mvurwi, Nyamunyeche (see also: Dawsons, Umvukwes)	Zimbabwe		30.8500;-17.0333	1451 m
Penrose Farm	Zimbabwe		30.8500;-17.0333	
Umvukwes (see Mvurwi), Nyamunyeche	Zimbabwe		30.8500;-17.0333	1451 m

SE 17030Ac:

Angwa bridge, 7 km SW	Zimbabwe		30.0000;-17.2500	
Baruka cave, 10 mi [=16 km] N(W) Sinoia (see also: Chinhoyi, 10 mi [=16 km] N(W), Orchid cave, Sinoia, 10 mi [=16 km] N(W))	Zimbabwe		30.0800;-17.3700	
Chinhoyi, 70 mi W Salisbury (see also: Chinoyi, Sinoia)	Zimbabwe		30.2000;-17.3667	1186 m
Chinhoyi Caves, Chinhoyi (see also: Chinoyi Caves, Orchid Cave, Sinoia Caves)	Zimbabwe		30.2000;-17.3667	1186 m
Chinhoyi, 10 mi [=16 km] N(W) (see Baruka cave)	Zimbabwe		30.0800;-17.3700	
Chinoyi (see Chinhoyi)	Zimbabwe		30.2000;-17.3667	1186 m
Chinoyi Caves (see Chinhoyi Caves)	Zimbabwe		30.2000;-17.3667	1186 m
Harare, 70 mi [=113 km] W	Zimbabwe		30.2000;-17.3667	1186 m
Orchid cave (see Baruka cave), 10 mi [=16 km] N(W) Sinoia	Zimbabwe		30.0800;-17.3700	
Orchid Cave (see Chinhoyi Caves)	Zimbabwe		30.2000;-17.3667	1186 m
Salisbury, 70 mi [=113 km] W	Zimbabwe		30.2000;-17.3667	1186 m
Sinoia (see Chinhoyi)	Zimbabwe		30.2000;-17.3667	1186 m
Sinoia Caves (see Chinhoyi Caves)	Zimbabwe		30.2000;-17.3667	1186 m
Sinoia, 10 mi [=16 km] N(W) (see Baruka cave)	Zimbabwe		30.0800;-17.3700	

SE 17030Bd:

Concession, 10 km NW	Zimbabwe	ca.	30.9500;-17.3833	

SE 17030Db:

Harare, 20 mi [=32 km] N (see Henderson Research Station)	Zimbabwe		30.8700;-17.6200	
Henderson Research Station, 20 mi [=32 km] N Salisbury (see also: Harare, 20 mi [=32 km] N, Salisbury, 20 mi [=32 km] N)	Zimbabwe		30.8700;-17.6200	
Mazoe (see Mazowe)	Zimbabwe		30.9667;-17.5167	1231 m
Mazowe (see also: Mazoe)	Zimbabwe		30.9667;-17.5167	1231 m
Salisbury, 20 mi [=32 km] N (see Henderson Research Station)	Zimbabwe		30.8700;-17.6200	

SE 17030Dd:

Atlantica Ecological Research Station	Zimbabwe		30.7833;-17.8833	
Collins Farm, near Atlantica Ecological Research Station	Zimbabwe	ca.	30.7833;-17.8833	
Crowborough Sewage Works	Zimbabwe		30.9339;-17.8408	
Harare, 26 km W (see Kilworth Estate)	Zimbabwe		30.7833;-17.8333	
Hunyani Dam	Zimbabwe	ca.	30.7667;-17.8833	
Kambuzuma Township	Zimbabwe		30.9672;-17.8544	1444 m
Kilworth Estate, 26 km W Salisbury (see also: Harare, 26 km W, Lake McIlwaine, 2 mi [=3.2 km] N, McIlwaine, 2 mi [=3.2 km] N of Lake, Rusper Farm, Salisbury, 26 km W)	Zimbabwe		30.7833;-17.8333	
Lake McIlwaine, 2 mi [=3.2 km] N (see Kilworth Estate)	Zimbabwe		30.7833;-17.8333	
Lake McIlwaine (see McIlwaine, lake), Harare	Zimbabwe		30.7833;-17.9000	
McIlwaine, 2 mi [=3.2 km] N of Lake (see Kilworth Estate)	Zimbabwe		30.7833;-17.8333	
McIlwaine, lake, Harare (see also: Lake McIlwaine)	Zimbabwe		30.7833;-17.9000	
Rainham [Farm], Salisbury	Zimbabwe		30.8833;-17.7667	
Rusper Farm (see Kilworth Estate)	Zimbabwe		30.7833;-17.8333	
Salisbury, 26 km W (see Kilworth Estate)	Zimbabwe		30.7833;-17.8333	
Warren Hills	Zimbabwe		30.9667;-17.8667	

SE 17031Ac:

Mazoe Citrus Estate (see Mazoe Citrus School)	Zimbabwe		31.0311;-17.4553	
Mazoe Citrus School (see also: Mazoe Citrus Estate)	Zimbabwe		31.0311;-17.4553	

SE 17031Ad:

Bindura (see also: Bindura Town, Kimberley Reefs)	Zimbabwe		31.3297;-17.2964	1070 m
Bindura Town (see Bindura)	Zimbabwe		31.3297;-17.2964	1070 m
Bindura, 10 km SSW (see Chikupo cave)	Zimbabwe		31.2833;-17.3833	
Chikupo cave, 10 km SSW Bindura (see also: Bindura, 10 km SSW, Chikupo caves area, Chikupu caves)	Zimbabwe		31.2833;-17.3833	
Chikupo cave, 19 km W	Zimbabwe		31.3167;-17.4000	
Chikupu caves (see Chikupo cave), 10 km SSW Bindura	Zimbabwe		31.2833;-17.3833	
Chindamore Native Reserve (see Masembura Tribal Trust Land)	Zimbabwe		31.2500;-17.4167	
Harare, 25 km W (see Lion and Cheetah Park)	Zimbabwe		31.2833;-17.3833	
Kimberley Reefs (see Bindura)	Zimbabwe		31.3297;-17.2964	1070 m
Lion and Cheetah Park, 25 km W Harare (see also: Harare, 25 km W)	Zimbabwe		31.2833;-17.3833	
Masembura Native Reserve (see Masembura Tribal Trust Land)	Zimbabwe		31.2500;-17.4167	
Masembura Tribal Trust Land (see also: Chindamore Native Reserve, Masembura Native Reserve)	Zimbabwe		31.2500;-17.4167	

SE 17031Ca:

Borrowdale Brooke	Zimbabwe		31.1450;-17.7136	
Christon Bank	Zimbabwe		31.0000;-17.6000	
Helensvale	Zimbabwe		31.1450;-17.7292	1366 m
Singereri Hills, Harare, Upper Mazowe Valley	Zimbabwe		31.1167;-17.6167	
Thornpark Estate	Zimbabwe		31.0167;-17.7167	

SE 17031Da:

Chikupo caves area (see Chikupo cave)	Zimbabwe		31.5833;-17.5833	

SE 17031Cc:

Avondale West	Zimbabwe		31.0242;-17.7825	
Braeside	Zimbabwe		31.0642;-17.8428	1477 m
Cranborne Park	Zimbabwe		31.0786;-17.8511	
Dawn Hill Mine, Mwenezi	Zimbabwe		31.1169;-17.8186	
Eyerston Farm	Zimbabwe		31.0560;-17.9436	1450 m
Greendale	Zimbabwe		31.1272;-17.8142	
Harare (see also: Harare Centre, Harare, 19 km NW, Salisbury)	Zimbabwe		31.0447;-17.8178	1480 m
Harare Centre (see Harare)	Zimbabwe		31.0447;-17.8178	1480 m
Hatfield	Zimbabwe		31.0956;-17.8722	
Highlands (see also: Highlands Estate)	Zimbabwe		31.1085;-17.7948	
Highlands Estate (see Highlands)	Zimbabwe		31.1085;-17.7948	
Kama Zuma township	Zimbabwe		31.0500;-17.8333	
Kingsway, Salisbury	Zimbabwe		31.0500;-17.8167	ca. 1481 m
Monavale (see Monovale), Harare	Zimbabwe		31.0167;-17.8047	1431 m
Monovale, Harare (see also: Monavale)	Zimbabwe		31.0167;-17.8047	1431 m
Salisbury (see Harare)	Zimbabwe		31.0447;-17.8178	1480 m
Southerton	Zimbabwe		31.0192;-17.8636	
Waterfalls	Zimbabwe		31.0441;-17.8812	1402 m
Wessex Farm Ruwa	Zimbabwe		31.2451;-17.8909	

SE 17032Aa:

Nyadiri River, Mutoko Communal Land	Zimbabwe		32.1167;-17.0667	
Nyadiri River, near bridge	Zimbabwe		32.1333;-17.1333	
Nyandia Dam, Mutoko Communal Land	Zimbabwe		32.1333;-17.0833	
Nyashato Dam, Ngarwe Communal Land	Zimbabwe		32.1167;-17.1167	

SE 17033Ba:

Mángari, 5 km N (see Mungari, 5 km N)	Mozambique	ca.	33.5500;-17.1667	ca. 500 m
Mungari, 5 km N (see also: Mángari, 5 km N)	Mozambique	ca.	33.5500;-17.1667	ca. 500 m

SE 17035Aa:

South of Lake Nyassa, left bank of Zambezi River	Malawi	ca.	35.1000;-17.1167	

SE 17035Ac:

Sena (see Vila de Sena), S of Zambezi River	Mozambique		35.0272;-17.4417	69 m
Vila de Sena	Mozambique		35.0272;-17.4417	69 m
(see also: Sena)				

SE 17035Cd:

Caia Lodge	Mozambique		35.3231;-17.8472	

SE 17036Db:

Norture Boror	Mozambique		36.8667;-17.6167	

SE 17036Dd:

Boror, 12 mi NW Quellimane	Mozambique	ca.	36.8833;-17.8667	
(see also: Quellimane, 12 mi [=19 km] NW)				
Quelimane	Mozambique		36.8883;-17.8786	0 m
(see also: Quilimane)				
Quellimane, 12 mi [=19 km] NW (see Boror)	Mozambique	ca.	36.8833;-17.8667	
Quilimane (see Quelimane)	Mozambique		36.8883;-17.8786	0 m

SE 17038Ba:

Moebase	Mozambique		38.6942;-17.0631	0 m
(see also: Moebaze)				
Moebaze (see Moebase)	Mozambique		38.6942;-17.0631	0 m

SE 17044Ac:

Beanka forest (see Forêt de Beanka)	Madagascar	ca.	44.2164;-17.4408	
Forêt de Beanka, along Kimanambolo River	Madagascar	ca.	44.2164;-17.4408	
(see also: Beanka forest)				

SE 17044Cc:

Andrafia (see Andrafiavelo), 42 km NE Maintirano	Madagascar		44.2167;-17.7667	75 m
Andrafiavelo, 42 km NE Maintirano	Madagascar		44.2167;-17.7667	75 m
(see also: Andrafia, Andriafavelo, Maintirano, 42 km NE)				
Andriafavelo (see Andrafiavelo), 42 km NE Maintirano	Madagascar		44.2167;-17.7667	75 m
Maintirano, 42 km NE (see Andrafiavelo)	Madagascar		44.2167;-17.7667	75 m

SE 17046Ac:

Kandreho	Madagascar		46.1000;-17.4833	241 m
(see also: Kandreo)				
Kandreo (see Kandreho)	Madagascar		46.1000;-17.4833	241 m

SE 17048Bc:

Alaotra, lake, near (see Farihy Alaotra (lake), near)	Madagascar	ca.	48.5250;-17.4653	
Farihy Alaotra (lake), near	Madagascar	ca.	48.5250;-17.4653	
(see also: Alaotra, lake, near, Lac Alaotra, near)				
Lac Alaotra, near (see Farihy Alaotra (lake), near)	Madagascar	ca.	48.5250;-17.4653	

SE 17048Da:

Andreba (railroad station)	Madagascar		48.5333;-17.6333	914 m

SE 17048Cd:

Ambatondrazaka	Madagascar		48.4167;-17.8333	847 m
(see also: Ambatonoradrazaka)				
Ambatonoradrazaka (see Ambatondrazaka)	Madagascar		48.4167;-17.8333	847 m

SE 17049Ac:

Sakana	Madagascar		49.0333;-17.3000	436 m

SE 17049Ad:

Fénérive-Est, 10 km NW (see Forêt de Tampolo)	Madagascar	ca.	49.3339;-17.3222	
Forêt de Tampolo, 10 km NW Fénérive-Est (see also: Fénérive-Est, 10 km NW, Tampolo forest)	Madagascar	ca.	49.3339;-17.3222	
Tampolo forest (see Forêt de Tampolo)	Madagascar	ca.	49.3339;-17.3222	

SE 17049Ca:

Foulepoint and lake Alaoutre, between (see Foulpointe and Lake Alotra, between)	Madagascar	ca.	49.0000;-17.5833	
Foulpointe and Lake Alotra, between (see also: Foulepoint and lake Alaoutre, between)	Madagascar	ca.	49.0000;-17.5833	

SE 17049Da:

Foulpointe (see Mahavelona)	Madagascar		49.5167;-17.6833	0 m
Mahavelona (see also: Foulpointe)	Madagascar		49.5167;-17.6833	0 m

SE 18013Bb:

Ohopoho (see Opuwo)	Namibia		13.8500;-18.0667	1194 m
Ohopuho (see Opuwo)	Namibia		13.8500;-18.0667	1194 m
Okorosave	Namibia		13.8333;-18.1833	1370 m
Opuwa (see Opuwo)	Namibia		13.8500;-18.0667	1194 m
Opuwo (see also: Ohopoho, Ohopuho, Opuwa)	Namibia		13.8500;-18.0667	1194 m

SE 18013Bc:

Gauko-Otavi (see Kaoko Otavi)	Namibia		13.7000;-18.3000	1471 m
Gauko-Otawi (see Kaoko Otavi)	Namibia		13.7000;-18.3000	1471 m
Kaoko Otavi (see also: Gauko-Otavi, Gauko-Otawi, Kaoko-Otavi)	Namibia		13.7000;-18.3000	1370 m
Kaoko-Otavi (see Kaoko Otavi)	Namibia		13.7000;-18.3000	1370 m

SE 18013Db:

Ombombo (waterhole)	Namibia		13.9500;-18.6833	1400 m

SE 18013Dd:

Otjosongombe (see Otjozongombe), Waterberg	Namibia		13.9667;-18.8333	1271 m
Otjozongombe, Waterberg (see also: Otjosongombe)	Namibia		13.9667;-18.8333	1271 m

SE 18014Ca:

Otjitundua (see Otjitunduwa)	Namibia		14.1333;-18.6167	1517 m
Otjitunduwa (see also: Otjitundua)	Namibia		14.1333;-18.6167	1517 m

SE 18016Bc:

Okashana	Namibia		16.6122;-18.3986	

SE 18016Db:

Osohama	Namibia		16.8167;-18.5333	1250 m

SE 18016Cd:

Etoscha-Pfanne (see Etosha Pan)	Namibia		16.3333;-18.8333	3373 ft

Etosha Pan (see also: Etoscha-Pfanne)	Namibia	16.3333;-18.8333	3373 ft

SE 18016Dd:

Klein Namutoni (waterholes) (see also: Sandup)	Namibia	16.9500;-18.8167	3400 ft
Namutoni	Namibia	16.9833;-18.8000	1092 m
Namutoni Rest Camp	Namibia	16.9667;-18.8167	1000 m
Sandup (see Klein Namutoni (waterholes))	Namibia	16.9500;-18.8167	3400 ft

SE 18017Ba:

Olifants Vlei (see also: Elephant Vlei, Elephant Vley, Olifant's Vlei)	Namibia	17.5000;-18.0000	

SE 18018Dd:

Blou-Bok Draai, Etosha, 4 km S, 2 km E Namutoni (see also: Namutoni, 4 km S, 2 km E)	Namibia	18.8167;-18.9333	1100 m
Namutoni, 4 km S, 2 km E (see Blou-Bok Draai, Etosha)	Namibia	18.8167;-18.9333	1100 m

SE 18019Ca:

Grootfontein and Okavango Regions	Namibia	19.0000;-18.6833	1200 m

SE 18019Da:

Numkaub	Namibia	19.7000;-18.6000	1250 m

SE 18019Dc:

Karakuwisa (see Karakuwise)	Namibia	19.7333;-18.9333	1350 m
Karakuwise (see also: Karakuwisa, Karkubera)	Namibia	19.7333;-18.9333	1350 m
Karkubera (see Karakuwise)	Namibia	19.7333;-18.9333	1350 m

SE 18020Ab:

Sambio, ca. 35 mi [=56 km] SE (see Ssanukanu)	Namibia	20.3833;-18.1000	
Ssannakanu village	Namibia	20.3833;-18.1000	1100 m
Ssanukanu, ca. 35 mi SE Sambio (see also: Sambio, ca. 35 mi [=56 km] SE)	Namibia	20.3833;-18.1000	

SE 18020Ba:

Nyangana	Namibia	20.6833;-18.0000	1020 m

SE 18020Bb:

Dosa	Namibia	20.8500;-18.2167	1061 m
Dose, 2 km S (see Dumushe water)	Namibia	20.8667;-18.2333	1072 m
Dumushe water, 2 km S Dose (see also: Dose, 2 km S)	Namibia	20.8667;-18.2333	1072 m

SE 18020Db:

Kaudom Omarumba (see Khaudum Omarumba Waterhole)	Namibia	20.7740;-18.5101	
Khaudum Omarumba Waterhole (see also: Kaudom Omarumba)	Namibia	20.7740;-18.5101	

SE 18021Ab:

Diyogha	Namibia	21.4667;-18.0833	1037 m

SE 18021Ba:

Diwai	Namibia	21.6167;-18.1167	1022 m
Papa Falls	Namibia	21.6250;-18.1250	

SE 18021Bd:

Mohembo, Ngamiland	Botswana		21.8000;-18.3000	997 m
Shakawe, Ngamiland	Botswana		21.8667;-18.3500	983 m
Shakawe, near, Okavango River	Botswana		21.8500;-18.3667	

SE 18021Ca:

Shakawe, 70 km SW	Botswana	ca.	21.0167;-18.5500	

SE 18021Cb:

Shakawe, 50 mi [=80 km] W, 12 mi [=19 km] S	Botswana		21.3000;-18.5500	

SE 18021Db:

Shakawe, 15 mi [=24 km] S	Botswana	ca.	21.8667;-18.6167	

SE 18021Cd:

Kaikai, 20 mi [=32 km] SE	Botswana		21.3667;-18.8667	

SE 18021Dd:

Tsodilo Hills	Botswana		21.7667;-18.7500	

SE 18022Aa:

Omega	Namibia		22.1833;-18.0500	

SE 18022Ab:

Omega, 12 km E	Namibia		22.3750;-18.1250	

SE 18022Ca:

Sepopa	Botswana		22.1167;-18.6167	
(see also: Sepope)				
Sepope (see Sepopa)	Botswana		22.1167;-18.6167	

SE 18022Dd:

Kaporota Training Camp, 5.7 km N	Botswana		22.9233;-18.9975	
Xugana, 13 mi [=21 km] N	Botswana		22.8830;-18.9500	975 m

SE 18023Ab:

Lianshulu	Namibia		23.4167;-18.1667	

SE 18023Bc:

Sangwali, on Linyanti river	Namibia		23.6333;-18.2667	956 m

SE 18023Da:

Selinda Spillway	Botswana		23.5500;-18.5833	

SE 18023Cd:

Kwara Reserve (NG/20)	Botswana		23.3322;-18.9271	

SE 18024Aa:

Linyandi	Namibia		24.0333;-18.1000	2900 ft

SE 18024Ac:

Goho Hills	Botswana		24.1250;-18.3750	

SE 18024Cb:

Tsotsoroga Pan	Botswana		24.3500;-18.7167	
Zweizwe Waterhole, North of Tsotsoroga Pan (see also: Zweizwi River Waterhole)	Botswana		24.3667;-18.6000	
Zweizwi River Waterhole (see Zweizwe Waterhole), North of Tsotsoroga Pan	Botswana		24.3667;-18.6000	

SE 18024Cd:

Mababe Flats	Botswana		24.2500;-18.7500	

SE 18025Bd:

Matetsi (see Matetsi Siding)	Zimbabwe		25.9333;-18.2667	
Matetsi Siding (see also: Matetsi)	Zimbabwe		25.9333;-18.2667	

SE 18026Ba:

Deka, Zambezi confluence	Zimbabwe		26.6333;-18.0833	

SE 18026Bb:

Dett, 15 mi [=24 km] E (see Wankie Tribal Trust Land)	Zimbabwe		26.7500;-18.1667	3000 ft
Hwange (see Wankie Tribal Trust Land), 15 mi E Dett	Zimbabwe		26.7500;-18.1667	3000 ft
Wankie Reserve (see Wankie Tribal Trust Land), 15 mi E Dett	Zimbabwe		26.7500;-18.1667	3000 ft
Wankie Tribal Trust Land, 15 mi E Dett (see also: Dett, 15 mi [=24 km] E, Hwange, Wankie Reserve)	Zimbabwe		26.7500;-18.1667	3000 ft

SE 18026Ca:

Bumbusie Gorge	Zimbabwe		26.1250;-18.6250	

SE 18026Da:

Inyantue (see Inyantue Siding)	Zimbabwe		26.6667;-18.5500	
Inyantue Siding (see also: Inyantue, Nyantue)	Zimbabwe		26.6667;-18.5500	
Nyantue (see Inyantue Siding)	Zimbabwe		26.6667;-18.5500	

SE 18026Db:

Dete, Hwange Safari Lodge (see also: Dett)	Zimbabwe		26.8667;-18.6167	914 m
Dett (see Dete)	Zimbabwe		26.8667;-18.6167	914 m
Main Camp	Zimbabwe		26.8750;-18.6250	

SE 18027Bb:

Lusulu Tsetse Station, Sebungwe	Zimbabwe		27.8667;-18.1167	

SE 18027Ca:

Dahlia, 4 mi [=6.5 km] E, Gwaai river	Zimbabwe	ca.	27.2135;-18.6277	
Dahlia, 5 mi [=8 km] W	Zimbabwe		27.1333;-18.5833	914 m
Falls road, 6 km W Gwai Bridge (see also: Gwai Bridge, 6 km W)	Zimbabwe		27.1000;-18.6167	
Gwai Bridge, 6 km W (see Falls road)	Zimbabwe		27.1000;-18.6167	
Gwai Bridge, 6 km W on falls road	Zimbabwe		27.1000;-18.6167	
Gwayi River, 1 km N	Zimbabwe		27.1667;-18.6167	

SE 18027Cb:

Kana Block, Shangani River	Zimbabwe		27.3667;-18.6167	

SE 18027Cd:

Gwai River farms (see Volunteer farms), near Gwayi river	Zimbabwe		27.3333;-18.7500	

Volunteer farms, near Gwayi river (see also: Gwai River farms)	Zimbabwe		27.3333;-18.7500	

SE 18027Dd:

Benzies Bridge, Shangani River (see also: Benzie's Bridge)	Zimbabwe		27.9000;-18.8000	
Benzie's Bridge (see Benzies Bridge), Shangani River	Zimbabwe		27.9000;-18.8000	

SE 18028Aa:

Gokwe, 75 km W (see Sengwa Wildlife Research Area)	Zimbabwe		28.2167;-18.1667	
Hostes Nicoll Research Institute (see also: Hostes Nicolle Institute, Hostes Nicolle Institute of Wildlife Research)	Zimbabwe		28.2167;-18.1667	
Hostes Nicolle Institute (see Hostes Nicoll Research Institute)	Zimbabwe		28.2167;-18.1667	
Hostes Nicolle Institute of Wildlife Research (see Hostes Nicoll Research Institute)	Zimbabwe		28.2167;-18.1667	
Hostes Nicolle Institute, near, Sebungwe; Sengwa river	Zimbabwe		28.2000;-18.1500	
Lutope and Sengwa Rivers confluence, Sengwe	Zimbabwe	ca.	28.2167;-18.1667	
Sengwa Wildlife area (see Sengwa Wildlife Research Area), 75 km W Gokwe	Zimbabwe		28.2167;-18.1667	
Sengwa Wildlife Research Area, 75 km W Gokwe (see also: Gokwe, 75 km W, Sengwa Wildlife area, Sengwa Wildlife Research Ranch, Sengwa Wildlife Research Station, Sengwe, Sengwe Wildlife Research Area)	Zimbabwe		28.2167;-18.1667	
Sengwa Wildlife Research Ranch (see Sengwa Wildlife Research Area), 75 km W Gokwe	Zimbabwe		28.2167;-18.1667	
Sengwa Wildlife Research Station (see Sengwa Wildlife Research Area), 75 km W Gokwe	Zimbabwe		28.2167;-18.1667	
Sengwe (see Sengwa Wildlife Research Area)	Zimbabwe		28.2167;-18.1667	
Sengwe Wildlife Research Area (see Sengwa Wildlife Research Area)	Zimbabwe		28.2167;-18.1667	

SE 18028Bb:

Gokwe	Zimbabwe		28.9464;-18.2167	

SE 18029Ab:

Mabura 2 Cave, Gokwe CL, Munyati River	Zimbabwe		29.3667;-18.1167	

SE 18029Ac:

Mabura 1 Cave (see Ngondoma), Ngondoma River	Zimbabwe		29.0500;-18.4667	
Ngondoma (see also: Mabura 1 Cave)	Zimbabwe		29.0500;-18.4667	

SE 18029Db:

Chimsoro Cave (see Munyati)	Zimbabwe		29.7833;-18.6500	1064 m
Munyati (see also: Chimsoro Cave, Rhino Cave, Sanyati)	Zimbabwe		29.7833;-18.6500	1064 m
Rhino Cave (see Munyati)	Zimbabwe		29.7833;-18.6500	1064 m
Sanyati (see Munyati)	Zimbabwe		29.7833;-18.6500	1064 m

SE 18029Dd:

Cotswold farm, near Kwe Kwe	Zimbabwe		29.8750;-18.8750	
Rifle Range, Kwe Kwe	Zimbabwe		29.8750;-18.8750	

SE 18030Dd:

Gem Tree Ranch, Que-Que, Rhodesdale (see also: Sebakwe River)	Zimbabwe	ca.	30.8333;-18.9167	
Sebakwe River (see Gem Tree Ranch), Que-Que, Rhodesdale, Gem Tree Ranch	Zimbabwe	ca.	30.8333;-18.9167	

SE 18031Ba:

Eirene farm (see Marondera)	Zimbabwe		31.5500;-18.1833	1688 m

Marandellas (see Marondera)	Zimbabwe		31.5500;-18.1833	1688 m
Marandellas, near	Zimbabwe	ca.	31.5500;-18.1833	
Marondera (see also: Eirene farm, Marandellas)	Zimbabwe		31.5500;-18.1833	1688 m

SE 18031Ac:

Umfuli River	Zimbabwe	ca.	31.1540;-18.3740	

SE 18031Bc:

Eirene farm, S of Marondera (see also: Irene Farm)	Zimbabwe		31.6167;-18.3833	
Irene Farm (see Eirene farm), S of Marandellas	Zimbabwe		31.6167;-18.3833	

SE 18032Bb:

Inyanga (see also: Nyanga)	Zimbabwe		32.7500;-18.2167	1737 m
Nyanga (see Inyanga)	Zimbabwe		32.7500;-18.2167	1737 m

SE 18032Bc:

Bonda Mission	Zimbabwe		32.5942;-18.4469	
Chingamwe Estates, Eastern Highlands, 15 km SE Juliesdale (see also: Juliesdale, 15 km SE)	Zimbabwe		32.7333;-18.4833	
Fort Cottage	Zimbabwe	ca.	32.7436;-18.2569	
Juliesdale, 15 km SE (see Chingamwe Estates)	Zimbabwe		32.7333;-18.4833	

SE 18032Bd:

Gleneagles Estate, Inyanga	Zimbabwe		32.9000;-18.2833	
Inyanga National Park (see Rhodes Inyanga National Park)	Zimbabwe		32.8000;-18.2833	
Pungwe River	Zimbabwe		32.9833;-18.4833	
Pungwe-Ruva confluence	Zimbabwe		32.7833;-18.4167	
Rhodes Inyanga National Park (see also: Inyanga National Park, Rhodes Inyanga Nature Park, Rhodes Nyanga Nature Park)	Zimbabwe		32.8000;-18.2833	
Rhodes Inyanga Nature Park (see Rhodes Inyanga National Park)	Zimbabwe		32.8000;-18.2833	
Rhodes Nyanga Nature Park (see Rhodes Inyanga National Park)	Zimbabwe		32.8000;-18.2833	

SE 18032Ca:

Inyazura (see Nyazura)	Zimbabwe		32.1667;-18.7167	1219 m
Nyazura (see also: Inyazura, Nyazure)	Zimbabwe		32.1667;-18.7167	1219 m
Nyazure (see Nyazura)	Zimbabwe		32.1667;-18.7167	1219 m

SE 18032Cd:

Odzi	Zimbabwe		32.3833;-18.9667	1036 m
Odzi district	Zimbabwe		32.4833;-18.9833	

SE 18032Dc:

Asbestos Mine, Mutare	Zimbabwe		32.6200;-18.9200	
Bulldog Mine, Mutare	Zimbabwe		32.5000;-18.7500	
Fairbridge Park, Mutare	Zimbabwe		32.6442;-18.9561	
Feruka, Mutare	Zimbabwe		32.6300;-18.8800	
Jeff Estate, Mutare	Zimbabwe		32.6100;-18.9700	
Mutare (see also: Mutare Asbestos Mine, No 2 Adit, Nyautare, Old Mine Adit, Old Umtali, Umtali, Umtali Mine adit, Umtali Old mine)	Zimbabwe		32.6556;-18.9747	1094 m
Mutare Asbestos Mine (see Mutare)	Zimbabwe		32.6556;-18.9747	
Mutare Boys High School	Zimbabwe		32.6917;-18.9614	
Mutare Museum	Zimbabwe		32.6672;-18.9711	
Mutare, 15 km W	Zimbabwe	ca.	32.5439;-18.9297	
No 2 Adit (see Mutare)	Zimbabwe		32.6556;-18.9747	1094 m

Nyautare (see Mutare)	Zimbabwe	32.6556;-18.9747	1094 m
Old Mine Adit (see Mutare), Umtali	Zimbabwe	32.6556;-18.9747	1094 m
Old Umtali (see Mutare)	Zimbabwe	32.6556;-18.9747	1094 m
Penhalonga, Imbeza Valley	Zimbabwe	32.6833;-18.8833	1521 m
Strickland Lodge, Mutare	Zimbabwe	32.6167;-18.8667	
Toronto, Mutare	Zimbabwe	32.5000;-18.9000	
Umtali (see Mutare)	Zimbabwe	32.6556;-18.9747	1094 m
Umtali Old mine (see Mutare), Umtali	Zimbabwe	32.6556;-18.9747	1094 m

SE 18032Dd:

Manica, 10 km N (see also: Vila de Manica, 10 km N)	Mozambique	32.9500;-18.8333	
Vila de Manica, 10 km N (see Manica, 10 km N)	Mozambique	32.9500;-18.8333	

SE 18033Aa:

Catambica (see Catandica)	Mozambique	33.1736;-18.0575	620 m
Catandica (see also: Catambica, Vila Gouveia, Vila Goveia)	Mozambique	33.1736;-18.0575	620 m
Vila Gouveia (see Catandica)	Mozambique	33.1736;-18.0575	620 m
Vila Goveia (see Catandica)	Mozambique	33.1736;-18.0575	620 m

SE 18033Cc:

Chemezi	Mozambique	33.0506;-18.8889	

SE 18034Ac:

Gorongosa Mountain (see Gorongosa, Serra de)	Mozambique	34.0717;-18.4006	
Gorongosa National Park (II)	Mozambique	34.0519;-18.4650	1150 m
Gorongosa National Park, cave at alpine-forest interface	Mozambique	34.0517;-18.4347	
Gorongosa National Park, montain forest 1	Mozambique	34.0506;-18.4667	
Gorongosa National Park, village below forest	Mozambique	34.0431;-18.4839	
Gorongosa, Serra de (see also: Gorongosa Mountain, Gorongoza Mountain)	Mozambique	34.0717;-18.4006	
Gorongoza Mountain (see Gorongosa, Serra de)	Mozambique	34.0717;-18.4006	
Morombozi River, below forest	Mozambique	34.0431;-18.4839	

SE 18034Bd:

Inhaminga	Mozambique	34.9958;-18.4036	309 m

SE 18034Ca:

Tambarara	Mozambique	34.0983;-18.6708	423 m

SE 18034Cb:

Bunga Inselberg	Mozambique	34.3431;-18.5989	212 m
Gorongosa National Park (see also: Gorongoza Game Reserve, Gorongoza National Park, Parque Nacional da Gorongosa, Parque Nacional de Caça)	Mozambique	34.3136;-18.6903	
Gorongoza Game Reserve (see Gorongosa National Park)	Mozambique	34.3136;-18.6903	
Gorongoza National Park (see Gorongosa National Park)	Mozambique	34.3136;-18.6903	
Parque Nacional da Gorongosa (see Gorongosa National Park)	Mozambique	34.3136;-18.6903	
Parque Nacional de Caça (see Gorongosa National Park)	Mozambique	34.3136;-18.6903	

SE 18034Da:

Cheringoma plateau	Mozambique	ca.	34.7400;-18.6250	

SE 18034Db:

Cheringoma caves, E of Gorongosa National Park	Mozambique	34.8719;-18.5647	
Gorge Rim, Site 1	Mozambique	34.8081;-18.6350	213 m
Gorongoza caves	Mozambique	34.8719;-18.5647	

SE 18034Cc:

Envirotrade site	Mozambique		34.1758;-18.9783	

SE 18034Cd:

Chitengo Camp	Mozambique		34.3514;-18.9789	

SE 18034Dc:

Muaredzi River, karst cave 1	Mozambique		34.7367;-18.8117	
Muaredzi River, karst cave 2	Mozambique		34.6131;-18.9547	

SE 18035Ba:

Chupanga, Zambezi River (see also: Lacerdónia, Shupanga)	Mozambique		35.5642;-18.0211	52 m
Lacerdónia (see Chupanga), Zambezi River	Mozambique		35.5642;-18.0211	52 m
Shupanga (see Chupanga), Zambezi River	Mozambique		35.5642;-18.0211	52 m

SE 18035Cc:

Chinizuia Forest	Mozambique		35.0556;-18.9772	

SE 18036Ac:

Luabo	Mozambique		36.1053;-18.3928	8 m

SE 18044Ab:

Ambinda	Madagascar		44.4958;-18.0281	223 m

SE 18044Ba:

Grotte d'Anjohimbazimba	Madagascar		44.7160;-18.2450	

SE 18044Bc:

Antsalova, 18.3 km NNE (see Forêt de Mamakibetro)	Madagascar	ca.	44.7158;-18.4536	
Forêt de Mamakibetro, 18.3 km NNE Antsalova (see also: Antsalova, 18.3 km NNE, Mamakibetro forest)	Madagascar	ca.	44.7158;-18.4536	
Mamakibetro forest (see Forêt de Mamakibetro)	Madagascar	ca.	44.7158;-18.4536	

SE 18044Da:

Ampidirabe forest (see Forêt d'Ampidirabe)	Madagascar	ca.	44.6097;-18.5292	
Ansalova, 15 km E	Madagascar		44.6167;-18.6667	
Antsalova, 16.3 km N (see Forêt d'Ampidirabe)	Madagascar	ca.	44.6097;-18.5292	
Antsingy Forest, 15 km E Antsalova	Madagascar		44.6167;-18.6667	
Forêt d'Ampidirabe, 16.3 km N Antsalova (see also: Ampidirabe forest, Antsalova, 16.3 km N)	Madagascar	ca.	44.6097;-18.5292	

SE 18044Db:

Ankilizato, W of Ankavandra	Madagascar		44.9937;-18.6347	
Tsiandra (see Tsiandro)	Madagascar		44.9000;-18.7333	477 m
Tsiandro (see also: Tsiandra)	Madagascar		44.9000;-18.7333	477 m

SE 18044Dd:

Bemara gorges (see Bemaraha National Park)	Madagascar		44.8333;-18.7500	
Bémaraha caves (see also: Grottes de Bémaraha)	Madagascar	ca.	44.8333;-18.7500	
Bemaraha National Park (see also: Bemara gorges, Bemaraha, Tsingin' i, Parc National de Bemaraha, Tsingy de Bemaraha, Reserve Naturelle de)	Madagascar		44.8333;-18.7500	
Bemaraha, Tsingin' i (see Bemaraha National Park)	Madagascar		44.8333;-18.7500	
Grottes de Bémaraha (see Bémaraha caves)	Madagascar	ca.	44.8333;-18.7500	

Parc National de Bemaraha (see Bemaraha National Park)	Madagascar		44.8333;-18.7500	
Tsingy de Bemaraha, Reserve Naturelle de (see Bemaraha National Park)	Madagascar		44.8333;-18.7500	

SE 18045Ad:

Beravina, 21.8 km ESE (see Forêt de Mehajebi)	Madagascar	ca.	45.4283;-18.2575	
Forêt de Mehajebi, 21.8 km ESE Beravina (see also: Beravina, 21.8 km ESE, Mehajebi forest)	Madagascar	ca.	45.4283;-18.2575	
Mehajebi forest (see Forêt de Mehajebi)	Madagascar	ca.	45.4283;-18.2575	

SE 18045Cc:

Ankavandra, N of (see also: Antananarivo, 193 km W)	Madagascar		45.2167;-18.7500	
Antananarivo, 193 km W (see Ankavandra, N of)	Madagascar		45.2167;-18.7500	

SE 18045Cd:

Ankavandra, near	Madagascar	ca.	45.3000;-18.7667	119 m

SE 18047Ab:

Ambohitantely	Madagascar		47.2833;-18.1667	1519 m
Ambohitantely Special Reserve (see Réserve Spéciale d'Ambohitantely)	Madagascar		47.2833;-18.1667	
Bat cave (see Grotte des Chauves-souris)	Madagascar		47.2892;-18.1811	1500 m
Grotte des Chauves-souris (see also: Bat cave)	Madagascar		47.2892;-18.1811	1500 m
Réserve Spéciale d'Ambohitantely (see also: Ambohitantely Special Reserve)	Madagascar		47.2833;-18.1667	

SE 18047Ac:

Ankazobe	Madagascar		47.1139;-18.3139	
Calata cave	Madagascar	ca.	47.1148;-18.3144	

SE 18047Bd:

Amboasary (1), Anjozorobe	Madagascar		47.9450;-18.4050	
Ambohibeloma, 3.2 km W Anjozorobe (see also: Anjozorobe, 3.2 km W)	Madagascar		47.8517;-18.4089	
Anjozorobe, 13 km SE	Madagascar	ca.	47.9453;-18.4958	
Anjozorobe, 3.2 km W (see Ambohibeloma)	Madagascar		47.8517;-18.4089	
Antsahabe forest, Anjozorobe	Madagascar		47.9400;-18.4100	

SE 18047Da:

Ampara Fara (see Amparafara), Perinet, Moramanga, Tamatave	Madagascar		47.5833;-18.6833	1373 m
Amparafara, Perinet, Moramanga, Tamatave (see also: Ampara Fara)	Madagascar		47.5833;-18.6833	1373 m

SE 18047Dc:

Angavokely, granite caves (see also: Grottes de granite d'Angavokely)	Madagascar		47.7333;-18.9167	ca. 1770 m
Antananarivo (see also: Antananarivu, Tana, Tananarive)	Madagascar		47.5167;-18.9167	1288 m
Antananarivo, 30 km E (see Nandihizana)	Madagascar		47.7167;-18.9000	915 m
Antananarivu (see Antananarivo)	Madagascar		47.5167;-18.9167	1288 m
Carion (see Nandihizana), 30 km E Tananarive	Madagascar		47.7167;-18.9000	915 m
Grottes de granite d'Angavokely (see Angavokely, granite caves)	Madagascar		47.7333;-18.9167	ca. 1770 m
Lac Tsimbazaza (see Tsimbazaza, lake)	Madagascar		47.5167;-18.9167	
Nandihizana, 30 km E Tananarive (see also: Antananarivo, 30 km E, Carion, Tananarive, 30 km E)	Madagascar		47.7167;-18.9000	915 m
Tana (see Antananarivo)	Madagascar		47.5167;-18.9167	1288 m
Tananarive (see Antananarivo)	Madagascar		47.5167;-18.9167	1288 m
Tananarive, 30 km E (see Nandihizana)	Madagascar		47.7167;-18.9000	915 m
Tananarive, near	Madagascar	ca.	47.5167;-18.9167	

Tananarivo	Madagascar		47.5167;-18.9167	1300 m
Tsimbazaza, lake (see also: Lac Tsimbazaza)	Madagascar		47.5167;-18.9167	

SE 18048Ba:

Didy, 7 km N	Madagascar	ca.	48.5333;-18.1167	

SE 18048Bd:

Sianaka Forest	Madagascar		48.7997;-18.4225	

SE 18048Cc:

Moramanga	Madagascar		48.2000;-18.9333	909 m
Moramanga, E side	Madagascar	ca.	48.2000;-18.9333	

SE 18048Cd:

Ampitambé (1), N of Moramanga	Madagascar		48.2500;-18.8500	913 m
Analamazaotra forest (see Andasibe), E of Moramanga	Madagascar		48.4167;-18.9333	921 m
Andasibe (see also: Analamazaotra forest, Périnet)	Madagascar		48.4167;-18.9333	921 m
Mantadia National Park (see Parc National de Mantadia), between PK 9 and PK 10	Madagascar		48.4272;-18.8156	
Parc National de Mantadia, between PK 9 and PK 10 (see also: Mantadia National Park)	Madagascar		48.4272;-18.8156	
Périnet (see Andasibe), E of Moramanga, Analamazaotra forest (see also: Périnet Railway Station)	Madagascar		48.4167;-18.9333	
Périnet Railway Station (see Périnet)	Madagascar		48.4167;-18.9333	
Périnet, 1 mi [=1.6 km] S	Madagascar	ca.	48.4167;-18.9333	914 m
Périnet, 3 km E	Madagascar	ca.	48.4167;-18.9333	
Périnet, 5 km S	Madagascar	ca.	48.4167;-18.9333	
Périnet, 8 km S	Madagascar	ca.	48.4167;-18.9333	914 m
PK 9 and PK 10, between	Madagascar		48.4272;-18.8156	

SE 18048Dc:

Beforona, between Tananarive and Andevoranto (see also: Beforono)	Madagascar		48.5833;-18.9667	507 m
Beforono (see Beforona), between Tananarive and Andevoranto	Madagascar		48.5833;-18.9667	507 m
Junck (see Junok), 30 km NE Perinet	Madagascar		48.6667;-18.8000	975 m
Junok, 30 km NE Perinet (see also: Junck, Périnet, 30 km NE)	Madagascar		48.6667;-18.8000	975 m
Périnet, 30 km NE (see Junok)	Madagascar		48.6667;-18.8000	975 m
Rogez	Madagascar		48.6167;-18.8000	359 m
Rogez, near (see also: Sainte Augustin, Tulear, 17 mi [=27 km] S)	Madagascar	ca.	48.6167;-18.8000	

SE 18048Dd:

Foret de Sahafina, Brickaville, 9.5 km W	Madagascar		48.9821;-18.8074	105 m
Forêt de Sahafina, Brickaville, 9.5 km W	Madagascar		48.9800;-18.8103	50 m

SE 18049Ab:

Ivondro, Valley of High Fanjahira (see also: Ivondrona)	Madagascar		49.3667;-18.2333	5 m
Ivondrona (see Ivondro), Valley of High Fanjahira	Madagascar		49.3667;-18.2333	5 m
Tamatave (see Toamasina)	Madagascar		49.3833;-18.1667	22 m
Tamatave, N of (see Toamasina, N of)	Madagascar	ca.	49.3833;-18.1667	
Toamasina (see also: Tamatave)	Madagascar		49.3833;-18.1667	22 m
Toamasina, N of (see also: Tamatave, N of)	Madagascar	ca.	49.3833;-18.1667	
Toamasina, near	Madagascar	ca.	49.3833;-18.1667	

SE 18049Cb:

Tampina	Madagascar		49.2667;-18.5000	25 m

SE 18049Cc:

Ambila-Lemaitso	Madagascar		49.1500;-18.8333	9 m
Ampasimanolotra	Madagascar		49.0667;-18.8167	3 m
(see also: Brickaville, Vohibinany)				
Ampasimanolotra district	Madagascar	ca.	49.0726;-18.8178	
(see also: Brickaville district, Vohibinany district)				
Brickaville (see Ampasimanolotra)	Madagascar		49.0667;-18.8167	3 m
Brickaville district (see Ampasimanolotra district)	Madagascar	ca.	49.0726;-18.8178	
Vohibinany (see Ampasimanolotra)	Madagascar		49.0667;-18.8167	3 m
Vohibinany district (see Ampasimanolotra district)	Madagascar	ca.	49.0726;-18.8178	

SE 19013Aa:

Kaoko Veld, S part	Namibia	ca.	13.0000;-19.0000	

SE 19013Ba:

Ohamuheke (see Sesfontein)	Namibia		13.6167;-19.1333	628 m
Sesfontein	Namibia		13.6167;-19.1333	628 m
(see also: Ohamuheke, Zesfontein, Zessfontein)				
Zesfontein (see Sesfontein)	Namibia		13.6167;-19.1333	628 m
Zessfontein (see Sesfontein)	Namibia		13.6167;-19.1333	628 m

SE 19013Ac:

Hoanib R., floodplain	Namibia		13.1000;-19.3833	

SE 19014Bc:

Qoabendus	Namibia		14.5167;-19.2833	1205 m

SE 19014Cb:

Kamanjab, 40 km W (see Ombonde Farm 616)	Namibia		14.4833;-19.5667	
Ombonde Farm 616, 40 km W Kamanjab	Namibia		14.4833;-19.5667	
(see also: Kamanjab, 40 km W)				

SE 19014Da:

Farm Ombonde 616, 40 km W Kamanjab	Namibia		14.5333;-19.5500	
(see also: Kamanjab, 40 km W)				
Kamanjab Kaross, 15 km N, 24 km W	Namibia		14.6333;-19.6167	1200 m
Kamanjab, 40 km W (see Farm Ombonde 616)	Namibia		14.5333;-19.5500	

SE 19015Bb:

Okaukuejo Rest Camp	Namibia		15.9119;-19.1825	1100 m
(see also: Okaukueyo Rest Camp)				
Okaukueyo Rest Camp (see Okaukuejo Rest Camp)	Namibia		15.9119;-19.1825	1100 m

SE 19015Ad:

Farm 428 (Windpoort) (see Farm Windpoort 428)	Namibia		15.4838;-19.3582	
Farm Windpoort 428	Namibia		15.4838;-19.3582	
(see also: Farm 428 (Windpoort), Windpoort Farm 428)				
Windpoort Farm 428 (see Farm Windpoort 428)	Namibia		15.4838;-19.3582	

SE 19015Bc:

Farm Eindpaal 429	Namibia		15.6250;-19.3750	

SE 19015Ca:

Otjitotongwe Farm	Namibia		15.0697;-19.6061	

SE 19015Da:

Otyo district (see Outjo district)	Namibia		15.5000;-19.5000	
Outjo district	Namibia		15.5000;-19.5000	
(see also: Otyo district)				

SE 19015Cc:

Farm 25 (Otjitambi) (see Farm Otjitambi 25)	Namibia	15.1833;-19.8000	1150 m
Farm Otjitambi 25, 20 km S, 35 km E Outjo [Kamanjab] (see also: Farm 25 (Otjitambi), Otjitambi, Farm 25, Outjo, 20 km S, 35 km E)	Namibia	15.1833;-19.8000	1150 m
Otjitambi, Farm 25 (see Farm Otjitambi 25)	Namibia	15.1833;-19.8000	1150 m
Outjo, 20 km S, 35 km E (see Farm Otjitambi 25)	Namibia	15.1833;-19.8000	1150 m

SE 19016Aa:

Etosha Game Park (see Etosha National Park)	Namibia	16.0000;-19.0000	
Etosha Game Reserve (see Etosha National Park)	Namibia	16.0000;-19.0000	
Etosha Game Reserve (see Etosha National Park)	Namibia	16.0000;-19.0000	
Etosha National Game Reserve (see Etosha National Park)	Namibia	16.0000;-19.0000	
Etosha National Park (see also: Etosha Game Park, Etosha Game Reserve, Etosha Game Reserve, Etosha National Game Reserve, Nasionale Etoshawildtuin)	Namibia	16.0000;-19.0000	
Nasionale Etoshawildtuin (see Etosha National Park)	Namibia	16.0000;-19.0000	

SE 19016Ab:

Halali, 16 km N, 58 km S Okaukuejo (see also: Halali Camp, Halali Rest Camp, Halali Ruskamp)	Namibia	16.4667;-19.0333	1100 m
Halali Camp (see Halali), 16 km N, 58 km S Okaukuejo	Namibia	16.4667;-19.0333	1100 m
Halali Rest Camp (see Halali), 16 km N, 58 km S Okaukuejo	Namibia	16.4667;-19.0333	1100 m
Halali Ruskamp (see Halali)	Namibia	16.4667;-19.0333	

SE 19017Ba:

Harisib, near Tsumeb	Namibia	17.6167;-19.1167	
Nasib, near Tsumeb	Namibia	17.6167;-19.1167	

SE 19017Ad:

Otavi, 25.2 km N, 23.5 km W (see Tkai-Tkab Sinkhole, Etosha)	Namibia	17.3417;-19.3417	1300 m
Tkai-Tkab Sinkhole, Etosha, 25.2 km N, 23.5 km W Otavi (see also: Otavi, 25.2 km N, 23.5 km W)	Namibia	17.3417;-19.3417	1300 m

SE 19017Bd:

Farm Ghaub 47, 40 km WNW Grootfontein (see also: Grootfontein, 40 km WNW)	Namibia	17.7500;-19.4667	
Ghaub Farm	Namibia	17.7781;-19.4839	

SE 19018Bc:

Fockshof (see Nuitsas (farmstead))	Namibia	18.5833;-19.2833	1500 m
Nuichan (see Nuitsas (farmstead))	Namibia	18.5833;-19.2833	1500 m
Nuitsas (farmstead) (see also: Fockshof, Nuichan, Nuitsas Farm)	Namibia	18.5833;-19.2833	1500 m
Nuitsas Farm (see Nuitsas (farmstead))	Namibia	18.5833;-19.2833	1500 m

SE 19018Ca:

Grootfontein (see also: Groutfontein)	Namibia	18.1000;-19.5667	1250 m
Grootfontein district (see Tsumkwe district)	Namibia	18.0000;-19.5833	

SE 19019Ab:

Kano valley (see Kanovlei)	Namibia	19.3333;-19.2333	1400 m
Kanovlei (see also: Kano valley, Kano Vley)	Namibia	19.3333;-19.2333	1400 m

SE 19019Ac:

Otjozondjupa, Kano Vlei	Namibia		19.1167;-19.3667	

SE 19019Ad:

Kano Vley (see Kanovlei)	Namibia		19.3833;-19.2667	1400 m

SE 19020Ba:

Tsotsana, 18 km W	Namibia		20.6167;-19.0667	

SE 19020Da:

Makuri pan, 9 km W, Bushmanland	Namibia		20.6500;-19.6833	

SE 19020Dc:

Nama dam (see Nama pan), Bushmanland	Namibia		20.7167;-19.9000	
Nama dam (see Nama pan), Bushmanland	Namibia		20.7167;-19.9000	
Nama pan, Bushmanland (see also: Nama dam, Nama dam)	Namibia		20.7167;-19.9000	

SE 19021Bb:

Seronga, 72 km ESE	Botswana		21.8000;-19.1000	1000 m

SE 19021Ca:

Aha hills, 10 mi [=16 km] N	Botswana	ca.	21.0000;-19.6667	

SE 19022Bb:

Kaporota Training Camp, Vumbura Plains; Zambezi Pan area on Ronnie's Road	Botswana		22.9278;-19.0069	

SE 19022Ad:

Nokaneng, 15 mi [=24 km] N	Botswana		22.2667;-19.4167	

SE 19022Cb:

Nokanen (see Nokaneng)	Botswana		22.2667;-19.6667	957 m
Nokaneng (see also: Nokanen, Nokaning)	Botswana		22.2667;-19.6667	957 m
Nokaning (see Nokaneng)	Botswana		22.2667;-19.6667	957 m

SE 19022Db:

Kurunxaraga, Cement Camp	Botswana		22.8750;-19.6250	
Pom Pom Okovango	Botswana		22.8750;-19.6250	

SE 19023Aa:

Four Rivers Camp	Botswana		23.1667;-19.0500	
Maun, ca. 80 mi [=129 km] NW (see Splash Camp)	Botswana		23.1000;-19.0833	
Seronga, 116.5 km ESE	Botswana	ca.	23.0000;-19.0000	1005 m
Splash Camp, ca. 80 mi [=129 km] NW Maun (see also: Maun, ca. 80 mi [=129 km] NW)	Botswana		23.1000;-19.0833	
Xugana	Botswana		23.1000;-19.0833	975 m

SE 19023Ba:

Khwai Lodge, 12.9 km W	Botswana		23.5833;-19.1167	1005 m
Khwai Lodge, 8 km W	Botswana		23.5833;-19.1167	
Khwai Lodge, 9 km W	Botswana		23.5667;-19.1000	
Kwaai River	Botswana		23.5000;-19.1667	

SE 19023Ac:

Moremi Game Reserve, Kwaai River	Botswana		23.0572;-19.3678	

SE 19023Ad:

Gomoti River, Film Camp, Okavango delta, Chitabe	Botswana		23.4169;-19.4258	
Gomoti River, Highbanks, Okavango delta, Chitabe	Botswana		23.4042;-19.4197	
Jao Camp, bordering Moremi Game Camp	Botswana	ca.	23.3333;-19.2500	

SE 19023Cb:

Chitabe, Gomoti river, Okavango delta	Botswana		23.3686;-19.6583	950 m

SE 19023Db:

Kwai	Botswana		23.8500;-19.5333	

SE 19023Cd:

Maun (see also: Mawn)	Botswana		23.4167;-19.9833	927 m
Maun, 3 km S (see Tsanogo)	Botswana	ca.	23.4167;-19.9833	
Mawn (see Maun)	Botswana		23.4167;-19.9833	927 m
Tsanogo, Maun, 3 km S (see also: Maun, 3 km S)	Botswana	ca.	23.4167;-19.9833	

SE 19024Bd:

Pandamatenga, 130 km SW	Botswana		24.7500;-19.2500	
Pandamatenga, 140 km SW	Botswana		24.7500;-19.2500	

SE 19026Ba:

Hwange (see Hwange National Park)	Zimbabwe		26.5000;-19.1667	914 m
Hwange National Park (see also: Hwange, Robins Game Reserve, Wankie Game Reserve, Wankie National Park)	Zimbabwe		26.5000;-19.1667	914 m
Maduni Dumela	Zimbabwe		26.5000;-19.1667	
Robins Game Reserve (see Hwange National Park)	Zimbabwe		26.5000;-19.1667	914 m
Wankie Game Reserve (see Hwange National Park)	Zimbabwe		26.5000;-19.1667	914 m
Wankie National Park (see Hwange National Park)	Zimbabwe		26.5000;-19.1667	914 m

SE 19027Aa:

Ngweshla	Zimbabwe		27.0833;-19.0833	
Zambesidal, Matabeleland	Zimbabwe	ca.	27.0000;-19.0000	

SE 19027Ab:

Gamu (see Ngamo Pans)	Zimbabwe		27.4500;-19.1333	
Ngamo Pan (see Ngamo Pans)	Zimbabwe		27.4500;-19.1333	
Ngamo Pans (see also: Gamu, Ngamo Pan)	Zimbabwe		27.4500;-19.1333	

SE 19027Bc:

Mareppa Mine	Zimbabwe		27.7000;-19.2500	

SE 19028Bc:

Gourlay Ranch (see Gourlays Block), Lonely Mine	Zimbabwe		28.6667;-19.2833	
Gourlays Block, Lonely Mine (see also: Gourlay Ranch)	Zimbabwe		28.6667;-19.2833	

SE 19028Db:

Bubi district	Zimbabwe		28.7500;-19.5000	

SE 19028Cd:

Nyamandhlovu (see also: Nyamandholovu)	Zimbabwe		28.2667;-19.8667	1212 m
Nyamandholovu (see Nyamandhlovu)	Zimbabwe		28.2667;-19.8667	1212 m

SE 19029Bd:

Driefontein	Zimbabwe		29.7500;-19.4667	
Gwelo (see Gweru)	Zimbabwe		29.8167;-19.4500	
Gweru (see also: Gwelo)	Zimbabwe		29.8167;-19.4500	

SE 19030Bc:

Fairfield park, Uvumba	Zimbabwe		30.5333;-19.3833	

SE 19030Ca:

Churugwi (see Shurugwi)	Zimbabwe		30.0000;-19.6667	1501 m
Salukwe (see Shurugwi)	Zimbabwe		30.0000;-19.6667	1501 m
Selukwe (see Shurugwi)	Zimbabwe		30.0000;-19.6667	1501 m
Shurugwi, Lucilia Port (see also: Churugwi, Salukwe, Selukwe)	Zimbabwe		30.0000;-19.6667	1501 m

SE 19031Ba:

Chirinda	Zimbabwe		31.6803;-19.0986	

SE 19031Ca:

Gutu Mission	Zimbabwe		31.2167;-19.6500	

SE 19032Aa:

Mutanda Hills, Save Drift	Zimbabwe		32.1250;-19.1250	
Tsungwesi Guano Cave, Mutare	Zimbabwe		32.1167;-19.1167	

SE 19032Ba:

Fern Valley, Umtali	Zimbabwe		32.6500;-19.0500	
Gimboki, Mutare	Zimbabwe		32.5800;-19.0200	
Vumba (see Vumba hotel)	Zimbabwe		32.7333;-19.1167	
Vumba hotel (see also: Vumba)	Zimbabwe		32.7333;-19.1167	

SE 19032Bb:

Leopard Rock Hotel	Zimbabwe		32.7833;-19.1333	
Manchester Gardens (see Vumba National Park)	Zimbabwe		32.7500;-19.0833	
Manchester National Park (see Vumba National Park)	Zimbabwe		32.7500;-19.0833	
Mutare, 10 mi [=16 km] from, on Vumba road (see also: Umtali, 10 mi [=16 km] from)	Zimbabwe		32.7626;-19.1127	
Mutare, 3 mi [=4.8 km] from, on Uumbra road (see also: Umtali, 3 mi [=4.8 km] from)	Zimbabwe	ca.	32.7626;-19.1127	
Umtali, 10 mi [=16 km] from (see Mutare, 10 mi [=16 km] from), on Vumba road	Zimbabwe		32.7626;-19.1127	
Umtali, 3 mi [=4.8 km] from (see Mutare, 3 mi [=4.8 km] from), on Uumbra road	Zimbabwe	ca.	32.7626;-19.1127	
Vumba, near Manica	Mozambique		32.9667;-19.0333	4300 m
Vumba National Park (see also: Manchester Gardens, Manchester National Park)	Zimbabwe		32.7500;-19.0833	
Wildwood Sanctuary, Vumba	Zimbabwe	ca.	32.7500;-19.0833	

SE 19032Ad:

Rupisi Hot Spring, Save River	Zimbabwe		32.4833;-19.3167	

SE 19032Bd:

Shinda Estates, Banti (see also: Shinda Farm)	Zimbabwe		32.7500;-19.3500	
Shinda Farm (see Shinda Estates), Banti	Zimbabwe		32.7500;-19.3500	

SE 19032Db:

Martin Forest Area (see also: Martin Forest Reserve)	Zimbabwe		32.9333;-19.7000	
Martin Forest Reserve (see Martin Forest Area)	Zimbabwe		32.9333;-19.7000	
Quaggas Hoek (Farm), Mutare	Zimbabwe		32.7500;-19.5667	
Quagg's Hoek, Mutare	Zimbabwe		32.7500;-19.5667	

SE 19032Cc:

Birchenough Bridge Hotel, 7 mi [=11 km] W (see Birchenough Bridge, 11.2 km W)	Zimbabwe		32.2333;-19.9500	
Birchenough Bridge, 11.2 km W (see also: Birchenough Bridge Hotel, 7 mi [=11 km] W)	Zimbabwe		32.2333;-19.9500	

SE 19032Cd:

Birchenough Bridge (see also: Birchenough Bridge Hotel)	Zimbabwe		32.3333;-19.9667	493 m
Birchenough Bridge Hotel (see Birchenough Bridge)	Zimbabwe		32.3333;-19.9667	493 m
Birchenough Bridge, 8.2 km E	Zimbabwe	ca.	32.4069;-19.9663	
Devure river	Zimbabwe		32.2504;-19.9556	

SE 19032Dd:

Melsetter district	Zimbabwe		32.8750;-19.8750	

SE 19033Aa:

Case Msika lodge, near Lake Chicamba	Mozambique		33.0900;-19.0403	

SE 19033Cc:

Chimanimani National Park	Zimbabwe		33.0167;-19.9167	
Makurupini River	Zimbabwe	ca.	33.0167;-19.9167	

SE 19033Dd:

Buzi river	Mozambique		33.8283;-19.9278	

SE 19034Ac:

Nhamatanda (see also: Vila Macahdo, Vila Machado, Vila Mahado)	Mozambique		34.2128;-19.2692	64 m
Vila Macahdo (see Nhamatanda)	Mozambique		34.2128;-19.2692	64 m
Vila Machado (see Nhamatanda)	Mozambique		34.2128;-19.2692	64 m
Vila Mahado (see Nhamatanda)	Mozambique		34.2128;-19.2692	64 m

SE 19034Ad:

Nhamatanda, 3 km SE (see also: Vila Machado, 3 km SE)	Mozambique		34.2830;-19.2830	
Vila Machado, 3 km SE (see Nhamatanda, 3 km SE)	Mozambique		34.2830;-19.2830	

SE 19034Bd:

Beira, 10 km N	Mozambique	ca.	34.8667;-19.3167	

SE 19034Cb:

Lagoa de Ura (see Ura, lagoa)	Mozambique		34.3311;-19.7100	
Lake Ura (see Ura, lagoa)	Mozambique		34.3311;-19.7100	
Tica, 32 km S (see Ura, lagoa)	Mozambique		34.3311;-19.7100	
Ura, lagoa, 32 km S Tica (see also: Lagoa de Ura, Lake Ura, Tica, 32 km S)	Mozambique		34.3311;-19.7100	

SE 19034Da:

Dondo (see also: Vila do Dondo)	Mozambique		34.7431;-19.6094	56 m
Dondo Forest	Mozambique		34.7333;-19.6000	
Dondo, 8 km NW (see Mezimbite)	Mozambique		34.7167;-19.5833	
Masembeti	Mozambique	ca.	34.7431;-19.6094	
Mezimbite, 8 km NW Dondo (see also: Dondo, 8 km NW)	Mozambique		34.7167;-19.5833	
Vila do Dondo (see Dondo)	Mozambique		34.7431;-19.6094	56 m

SE 19034Db:

Zimbiti	Mozambique		34.7500;-19.5500	

SE 19034Dd:

Beira	Mozambique		34.8389;-19.8436	14 m
Beira, 20 mi [=32 km] N	Mozambique	ca.	34.8667;-19.8167	
Beira, near	Mozambique	ca.	34.8500;-19.8333	

SE 19044Ba:

Ankapoka	Madagascar		44.7350;-19.0450	

SE 19044Bb:

Andadoany, 1.8 km SE and 0.6 km NE (see Bekopake), just outside the limit of the Parc national de Bemaraha	Madagascar		44.8000;-19.1500	27 m
Anjohikinakina cave, 15.5 km N Bekopaka (see also: Bekopaka, 15.5 km N, Grotte d'Anjohikinakina)	Madagascar		44.7678;-19.0100	
Anjohitantely	Madagascar		44.8131;-19.1410	64 m
Ankidrodroa, 2.5 m NE Bekopaka	Madagascar		44.8083;-19.1317	100 m
Bekopaka, 15.5 km N (see Anjohikinakina cave)	Madagascar		44.7678;-19.0100	
Bekopaka, 3.5 km E	Madagascar	ca.	44.8333;-19.1500	
Bekopake, just outside the limit of the Parc national de Bemaraha (see also: Andadoany, 1.8 km SE and 0.6 km NE)	Madagascar		44.8000;-19.1500	27 m
Grotte d'Anjohikinakina (see Anjohikinakina cave)	Madagascar		44.7678;-19.0100	

SE 19044Da:

Belo Tsiribihina	Madagascar		44.5475;-19.7003	
Tsimafana	Madagascar		44.5844;-19.7236	

SE 19044Db:

Berevo, Upper Siribihina river	Madagascar		44.9595;-19.7266	

SE 19044Cd:

Tsiribihina River	Madagascar		44.4491;-19.8834	

SE 19044Dc:

Antanandava, 5.8 km NE Beroboka Sud (see also: Beroboka Sud, 5.8 km NE)	Madagascar		44.6058;-19.9297	30 m
Béroboka (see Beroboka Atsimo)	Madagascar		44.6000;-19.9833	43 m
Beroboka Atsimo (see also: Béroboka, Beroboka Sud, Beroboka Ville)	Madagascar		44.6000;-19.9833	43 m
Beroboka Sud (see Beroboka Atsimo)	Madagascar		44.6000;-19.9833	43 m
Beroboka Sud, 5.8 km NE (see Antanandava)	Madagascar		44.6058;-19.9297	30 m
Beroboka Ville (see Beroboka Atsimo)	Madagascar		44.6000;-19.9833	43 m

SE 19045Cb:

Miandrivazo	Madagascar		45.4667;-19.5167	151 m

SE 19046Aa:

Siribihina river	Madagascar	46.0000;-19.0000	100 m

SE 19047Ab:

Ambohijoky, 17 km S Tananarive, Palace-Castle Rock (see also: Antananarivo, 17 km S, Palace Rock, Tananarive, 17 km S)	Madagascar	47.4833;-19.0500	1340 m
Antananarivo, 17 km S (see Ambohijoky)	Madagascar	47.4833;-19.0500	1340 m
Palace Rock (see Ambohijoky)	Madagascar	47.4833;-19.0500	1340 m
Tananarive, 17 km S (see Ambohijoky)	Madagascar	47.4833;-19.0500	1340 m

SE 19047Ad:

Manjakatompo (see Manjakatompo-Firaisana)	Madagascar	47.4333;-19.3333	1552 m
Manjakatompo-Firaisana (see also: Manjakatompo, Mongakatompo, Monjakatompo)	Madagascar	47.4333;-19.3333	1552 m
Mongakatompo (see Manjakatompo-Firaisana)	Madagascar	47.4333;-19.3333	1552 m
Monjakatompo (see Manjakatompo-Firaisana)	Madagascar	47.4333;-19.3333	1552 m

SE 19047Ca:

Antsampandrano forestry station (see Station Forestière d'Antsampandrano), 26 km SE Faratsiho	Madagascar	47.0628;-19.6120	1850 m
Faratsiho, 26 km SE (see Station Forestière d'Antsampandrano)	Madagascar	47.0628;-19.6120	1850 m
Station Forestière d'Antsampandrano, 26 km SE Faratsiho (see also: Antsampandrano forestry station, Faratsiho, 26 km SE)	Madagascar	47.0628;-19.6120	1850 m

SE 19047Db:

Tsinjoarivo, 10 km SE	Madagascar	47.7700;-19.6783	1550 m

SE 19048Ab:

Ambodiriana, 20 km SW Perinet (see also: Périnet, 20 km SW)	Madagascar	48.3500;-19.0167	
Périnet, 20 km SW (see Ambodiriana)	Madagascar	48.3500;-19.0167	

SE 19057Dd:

La Ronde (see Round island)	Mauritius	57.7808;-19.8481	
Mauritius, 15 mi [=24 km] NE (see Round island)	Mauritius	57.7808;-19.8481	
Rond Islet (see Round island)	Mauritius	57.7808;-19.8481	
Ronde Ile (see Round island)	Mauritius	57.7808;-19.8481	
Round island (see also: La Ronde, Mauritius, 15 mi [=24 km] NE, Rond Islet, Ronde Ile)	Mauritius	57.7808;-19.8481	

SE 19063Cb:

Cascade (River)	Mauritius	ca. 63.4667;-19.7333	
Rodrigues (see Rodrigues Island (region))	Mauritius	63.4167;-19.7000	
Rodrigues Island (region) (see also: Rodrigues)	Mauritius	63.4167;-19.7000	

SE 20013Ab:

Skedelkus Park (see Skeleton Coast Park)	Namibia	13.3333;-20.0000	
Skeleton Coast Park (see also: Skedelkus Park)	Namibia	13.3333;-20.0000	

SE 20013Cd:

Jack Scott Bridge, Haub River	Namibia	13.4667;-20.9000	

SE 20014Bd:

Karochos	Namibia		14.9667;-20.3667	

SE 20014Da:

Farm Driekrone 516	Namibia		14.6250;-20.6250	

SE 20014Dc:

Farm Witwatersrand 521, near Granite kop, Damaraland	Namibia		14.6250;-20.8750	

SE 20015Bb:

Farm 113 (Musterland) (see Farm Musterland 113)	Namibia		15.8833;-20.2378	1200 m
Farm 376 (Mooihoek) (see Farm Mooihoek 376)	Namibia		15.8800;-20.1458	1360 m
Farm Mooihoek 376, 4.4 km S, 28.3 km W Outjo (see also: Farm 376 (Mooihoek), Mooihoek, Farm 376, Outjo, 4.4 km S, 28.3 km W)	Namibia		15.8800;-20.1458	1360 m
Farm Musterland 113, 14.5 km S, 28 km W Outjo (see also: Farm 113 (Musterland), Musterland, Farm 113, Outjo, 14.5 km S, 28 km W)	Namibia		15.8833;-20.2378	1200 m
Mooihoek, Farm 376 (see Farm Mooihoek 376)	Namibia		15.8800;-20.1458	1360 m
Musterland, Farm 113 (see Farm Musterland 113)	Namibia		15.8833;-20.2378	1200 m
Outjo, 14.5 km S, 28 km W (see Farm Musterland 113)	Namibia		15.8833;-20.2378	1200 m
Outjo, 4.4 km S, 28.3 km W (see Farm Mooihoek 376)	Namibia		15.8800;-20.1458	1360 m

SE 20015Bd:

Farm 111 (Geduld) (see Farm Geduld 111)	Namibia		15.8325;-20.2969	1020 m
Farm Geduld 111, 21.1 km S, 33.3 km W Outjo (see also: Farm 111 (Geduld), Geduld, Farm 111, Outjo, 21.1 km S, 33.3 km W)	Namibia		15.8325;-20.2969	1020 m
Farm Geduld 111, 18.9 km S, 35.1 km W Outjo (see also: Outjo, 18.9 km S, 35.1 km W)	Namibia		15.8147;-20.2769	1100 m
Geduld, Farm 111 (see Farm Geduld 111)	Namibia		15.8325;-20.2969	1020 m
Outjo, 18.9 km S, 35.1 km W (see Farm Geduld 111)	Namibia		15.8147;-20.2769	1100 m
Outjo, 21.1 km S, 33.3 km W (see Farm Geduld 111)	Namibia		15.8325;-20.2969	1020 m

SE 20015Cc:

Okambe, 10 mi [=16 km] NE	Namibia	ca.	15.0333;-20.8000	

SE 20015Cd:

Eausiro, 27 km W and 100 km W (see Omaruru, 37 km N)	Namibia		15.3000;-20.9667	
Omaruru, 37 km N, 27 km W and 100 km W Eausiro (see also: Eausiro, 27 km W and 100 km W)	Namibia		15.3000;-20.9667	

SE 20016Aa:

Otyo (see Outjo)	Namibia		16.1500;-20.1167	1216 m
Outjo (see also: Otyo)	Namibia		16.1500;-20.1167	1216 m

SE 20016Ad:

Farm 22 (Ombarahewa) (see Farm Ombarahewa 22)	Namibia		16.3089;-20.4639	1320 m
Farm 33 (Schwarzerfels) (see Farm Schwarzerfels 33)	Namibia		16.2736;-20.4542	1400 m
Farm Ombarahewa 22, 0.7 km N, 35.2 km W Otjiwarongo (see also: Farm 22 (Ombarahewa), Ombarahewa, Farm 22, Otjiwarongo, 0.7 km N, 35.2 km W)	Namibia		16.3089;-20.4639	1320 m
Farm Schwarzerfels 33, 38.8 km W Otjiwarongo (see also: Farm 33 (Schwarzerfels), Otjiwarongo, 38.8 km W, Schwarzerfels, Farm 33)	Namibia		16.2736;-20.4542	1400 m
Ombarahewa, Farm 22 (see Farm Ombarahewa 22)	Namibia		16.3089;-20.4639	1320 m
Otjiwarongo, 0.7 km N, 35.2 km W (see Farm Ombarahewa 22)	Namibia		16.3089;-20.4639	1320 m
Otjiwarongo, 38.8 km W (see Farm Schwarzerfels 33)	Namibia		16.2736;-20.4703	1400 m
Schwarzerfels, Farm 33 (see Farm Schwarzerfels 33)	Namibia		16.2736;-20.4542	1400 m

SE 20016Cd:

Farm Etaneno 44, Otjivarongo (see also: Farm Etaneo 44, Osjivarongo, Otjivarongo)	Namibia		16.3750;-20.8750	
Farm Etaneo 44 (see Farm Etaneno 44), Otjivarongo	Namibia		16.3750;-20.8750	
Osjivarongo (see Farm Etaneno 44)	Namibia		16.3750;-20.8750	
Otjivarongo (see Farm Etaneno 44)	Namibia		16.3750;-20.8750	

SE 20017Ad:

Groot Waterberg Platopark (see Waterberg Platopark)	Namibia		17.2500;-20.4167	
Waterberg Plateau National Park (see Waterberg Platopark)	Namibia		17.2500;-20.4167	
Waterberg Platopark (see also: Groot Waterberg Platopark, Waterberg Plateau National Park)	Namibia		17.2500;-20.4167	

SE 20017Bd:

Otjiwarongo, 80 km E (see Otjosangombe)	Namibia	ca.	17.9105;-20.3562	
Otjosangombe, 80 km E Otjiwarongo (see also: Otjiwarongo, 80 km E)	Namibia	ca.	17.9105;-20.3562	

SE 20017Cb:

Farm Waterberg 416	Namibia		17.3750;-20.6250	

SE 20019Dd:

Hereroland East	Namibia		19.7500;-20.7500	

SE 20020Bb:

Gam	Namibia		20.7500;-20.2333	1069 m

SE 20020Bd:

Gam Waterhole	Namibia		20.9670;-20.4170	

SE 20020Ca:

Eiseb river, 7 km ESE Vet fence, Therosvallei (see also: Vet fence, 7 km ESE)	Namibia		20.1250;-20.6250	
Vet fence, 7 km ESE (see Eiseb river), Therosvallei	Namibia		20.1250;-20.6250	

SE 20021Ab:

Drodsky Caves (see also: Drotsky Cave, Drotsky's Caves, Kai Kai, 25 mi [=40 km] SE)	Botswana		21.3667;-20.1167	
Drotsky Cave (see Drodsky Caves)	Botswana		21.3667;-20.1167	
Drotsky's Caves (see Drodsky Caves)	Botswana		21.3667;-20.1167	
Kai Kai, 18 mi [=29 km] SE	Botswana	ca.	21.2500;-20.0000	
Kai Kai, 25 mi [=40 km] SE (see Drodsky Caves)	Botswana		21.3667;-20.1167	

SE 20022Ab:

Tsau	Botswana		22.4500;-20.1500	958 m

SE 20022Bd:

Kwebe Hills, 18 mi [=29km] NW	Botswana		22.8670;-20.2670	
Toteng	Botswana		22.9500;-20.3833	940 m

SE 20022Da:

Dautsa Flats, 14 mi [=22.5 km] W Sehithwa (see also: Sehithwa, 14 mi [=22.5 km] W, Sehitwa, 14 mi [=22.5] km W)	Botswana		22.5300;-20.5800	
Maun, 12 km NE (see Okavango River Lodge)	Botswana		22.6333;-20.6167	
Ngami, lake	Botswana		22.6667;-20.5000	

Okavango River Lodge, 12 km NE Maun (see also: Maun, 12 km NE)	Botswana		22.6333;-20.6167	
Sehithwa, 10 mi [=16 km] SW (see also: Sehitwa, 10 mi [=16 km] SW)	Botswana		22.6330;-20.7170	
Sehithwa, 14 mi [=22.5 km] W (see Dautsa Flats)	Botswana		22.5300;-20.5800	
Sehitwa, 10 mi [=16 km] SW (see Sehithwa, 10 mi [=16 km] SW)	Botswana		22.6330;-20.7170	
Sehitwa, 14 mi [=22.5] km W (see Dautsa Flats)	Botswana		22.5300;-20.5800	

SE 20026Aa:

Manzamnyama River (see Nata River)	Botswana	ca.	26.1667;-20.2333	
Nata	Botswana		26.1833;-20.2000	909 m
Nata River (see also: Manzamnyama River)	Botswana	ca.	26.1667;-20.2333	
Nekate (see also: Nekati)	Botswana		26.0167;-20.0833	914 m
Nekati (see Nekate)	Botswana		26.0167;-20.0833	914 m

SE 20026Ac:

Nata, 35 mi [=56 km] SW (see N'kata)	Botswana		26.0000;-20.2500	
N'kata, 35 mi SW Nata (see also: Nata, 35 mi [=56 km] SW, N'kate)	Botswana		26.0000;-20.2500	
N'kate (see N'kata), 35 mi SW Nata	Botswana		26.0000;-20.2500	

SE 20026Cd:

Tamafupi, 33 km N	Botswana	ca.	26.2782;-20.9607	

SE 20028Ba:

Bulawayo	Zimbabwe		28.5833;-20.1500	1351 m
Bulawayo Swamps	Zimbabwe	ca.	28.5000;-20.0833	

SE 20028Bb:

Bembesi	Zimbabwe		28.7500;-20.0000	
Homestake [mine] (see The Homestead [mine]), Esigodini	Zimbabwe		28.9000;-20.2000	
Homestead [mine] (see The Homestead [mine]), Esigodini	Zimbabwe		28.9000;-20.2000	
The Homestead [mine], Esigodini (see also: Homestake [mine], Homestead [mine])	Zimbabwe		28.9000;-20.2000	

SE 20028Ad:

Matopo, Mtshabezi Valley	Zimbabwe		28.4833;-20.4167	
Matopos, 6.5 mi [=10 km] S (see Mineral King Farm)	Zimbabwe		28.4514;-20.4925	
Mineral King Farm, 6.5 mi [=10 km] S Matopos (see also: Matopos, 6.5 mi [=10 km] S)	Zimbabwe		28.4514;-20.4925	

SE 20028Bc:

Bulawayo, 16 km S	Zimbabwe		28.7167;-20.3167	
Gordon Park	Zimbabwe		28.5333;-20.4667	
Happy Valley Farm, 16 km S Bulawayo	Zimbabwe		28.6833;-20.2833	
Redrups Kop Mine, Bulawayo	Zimbabwe		28.6667;-20.2833	
Redrups Kop Mine, Bulawayo	Zimbabwe		28.6667;-20.2833	

SE 20028Bd:

Esigodini, Falcon College (see also: Essexvale)	Zimbabwe		28.9333;-20.3000	1183 m
Essexvale (see Esigodini)	Zimbabwe		28.9333;-20.3000	1183 m
Willow Park, Esigodini	Zimbabwe		28.8750;-20.3750	

SE 20028Da:

Matobo National Park (see Rhodes Matopos Nature Park)	Zimbabwe		28.5500;-20.5500	
Matombo (see Rhodes Matopos Nature Park)	Zimbabwe		28.5500;-20.5500	
Rhodes Matopos Nature Park (see also: Matobo National Park, Matombo)	Zimbabwe		28.5500;-20.5500	

SE 20028Db:

Lumane Falls, Matopo Hills	Zimbabwe	28.8750;-20.6250	
Lunare valley, Eastern Matopos	Zimbabwe	28.8667;-20.6000	
Mtshavezi valley, Eastern Matopos	Zimbabwe	28.8667;-20.6000	

SE 20028Dc:

Maleme Valley, Matopo Hills	Zimbabwe	28.7167;-20.8333	

SE 20029Ab:

Fort Rixon, Makovani Estate	Zimbabwe	29.2667;-20.0167	1337 m

SE 20029Cb:

Filabusi, 22 km W (see Ingwe Mine)	Zimbabwe	29.3667;-20.6167	
Ingwe Mine, 22 km W Filabusi (see also: Filabusi, 22 km W)	Zimbabwe	29.3667;-20.6167	
Wallaby Claims, Filabusi	Zimbabwe	29.2500;-20.5500	

SE 20029Db:

Mberengwa Mountain	Zimbabwe	29.8750;-20.6250	
Peak Asbestos Mine, Mberengwa (see also: Peak Mine)	Zimbabwe	29.8333;-20.6667	
Peak Mine (see Peak Asbestos Mine), Mberengwa	Zimbabwe	29.8333;-20.6667	

SE 20029Cc:

Gwanda (see also: Jawunda)	Zimbabwe	29.0000;-20.9333	965 m
Jawunda (see Gwanda)	Zimbabwe	29.0000;-20.9333	965 m

SE 20030Ba:

Matema Camp	Zimbabwe	30.6167;-20.1167	
Mushandike National Park	Zimbabwe	30.6500;-20.1000	

SE 20030Bb:

Netridge Farm, Calcite Cave	Zimbabwe	30.7833;-20.1333	

SE 20030Ac:

Buchwa Iron Mine	Zimbabwe	30.1500;-20.4700	

SE 20030Bd:

Fort Victoria, 25 km SE (see Great Zimbabwe [ruins]), Fort Victoria, 25 km SE	Zimbabwe	30.9333;-20.2833	
Garden Cave (see Great Zimbabwe [ruins])	Zimbabwe	30.9333;-20.2833	
Great Zimbabwe [ruins], 25 km SE Fort Victoria (see also: Fort Victoria, 25 km SE, Garden Cave, Zimbabwe Ruins)	Zimbabwe	30.9333;-20.2833	
Morgenster cave, near Great Zimbabwe ruins, 25 km SE Fort Victoria	Zimbabwe	30.9333;-20.2833	
Morgenster Mission	Zimbabwe	30.9303;-20.3114	
Zimbabwe National Park	Zimbabwe	30.9500;-20.3000	
Zimbabwe National Park, 4 mi [=7.2 km] S	Zimbabwe	ca. 30.9500;-20.3000	
Zimbabwe Ruins (see Great Zimbabwe [ruins]), 25 km SE Fort Victoria	Zimbabwe	30.9333;-20.2833	

SE 20030Da:

Chivi Communal Land (see Chivi District)	Zimbabwe	30.5833;-20.5000	
Chivi District (see also: Chivi Communal Land)	Zimbabwe	30.5833;-20.5000	

SE 20031Aa:

Fort Victoria, 32.2 km SE (see Retreat Farm)	Zimbabwe	31.0333;-20.2333	

Kyle Dam Forest Reserve (see Kyle National Park)	Zimbabwe	31.0167;-20.1833	
Kyle Dam Game Reserve (see Kyle National Park)	Zimbabwe	31.0167;-20.1833	
Kyle Dam National Park (see Kyle National Park)	Zimbabwe	31.0167;-20.1833	
Kyle Game Reserve (see Kyle National Park)	Zimbabwe	31.0167;-20.1833	
Kyle National Park (see also: Kyle Dam Forest Reserve, Kyle Dam Game Reserve, Kyle Dam National Park, Kyle Game Reserve)	Zimbabwe	31.0167;-20.1833	
Retreat Farm, 32.2 km SE Fort Victoria (see also: Fort Victoria, 32.2 km SE)	Zimbabwe	31.0333;-20.2333	

SE 20031Ba:

Bikita	Zimbabwe	31.6167;-20.0833	986 m

SE 20032Ab:

Chipingayi Bridge, Save Valley	Zimbabwe	32.3667;-20.1167	
Tanganda Bridge, Chipinge	Zimbabwe	32.3500;-20.1500	

SE 20032Ba:

Chipinga (see Chipinge)	Zimbabwe	32.6167;-20.2000	1015 m
Chipinge (see also: Chipinga)	Zimbabwe	32.6167;-20.2000	1015 m

SE 20032Bb:

Ingorima Reserve (see Ngorima Tribal Trust Land), Melsetter district, Manicaland	Zimbabwe	32.8833;-20.0833	
Melsetter, 20 km SE (see Rusito Forest), Rusito forest	Zimbabwe	32.9833;-20.0333	
Ngorima Reserve (see Ngorima Tribal Trust Land), Melsetter district, Manicaland	Zimbabwe	32.8833;-20.0833	
Ngorima Tribal Trust Land, Melsetter district, Manicaland (see also: Ingorima Reserve, Ngorima Reserve)	Zimbabwe	32.8833;-20.0833	
Rusito Forest, Rusito river, 20 km SE Melsetter (see also: Melsetter, 20 km SE)	Zimbabwe	32.9833;-20.0333	

SE 20032Bc:

Chirinda Forest, Mount Silinda	Zimbabwe	32.7000;-20.4333	
Selenda, mount (see also: Selinda, mount, Silinda, mount)	Zimbabwe	32.7000;-20.4000	
Selinda, mount (see Selenda, mount)	Zimbabwe	32.7167;-20.4000	
Silinda, mount (see Selenda, mount)	Zimbabwe	32.7000;-20.4000	

SE 20032Cb:

Humane Ranch	Zimbabwe	32.2667;-20.5167	411 m

SE 20032Dd:

Selinda, Melsetter district	Zimbabwe	32.8750;-20.8750	

SE 20033Aa:

Haroni-Lusitu confluence	Zimbabwe	ca. 33.0167;-20.0167	

SE 20033Bc:

Nyaboa Caves	Mozambique	33.6167;-20.3667	

SE 20034Da:

Gupata (camp), ca 50 mi [=80 km] NE Zinave (see also: Zinave, ca 50 mi [=80 km] NE)	Mozambique	34.5000;-20.7167	
Zinave, ca 50 mi [=80 km] NE (see Gupata (camp))	Mozambique	34.5000;-20.7167	

SE 20035Cc:

Mombane (see Nove Mambone)	Mozambique	35.0222;-20.9881	10 m
Nove Mambone (see also: Mombane)	Mozambique	35.0222;-20.9881	10 m

Save river, 15 km from mouth	Mozambique		35.0870;-20.9580	

SE 20043Dd:

Forêt de Kirindy (see Tahiry Manokan' i Kirindy)	Madagascar		43.9075;-20.8678	5 m
Kirindy forest (CNFEREF) (see Tahiry Manokan' i Kirindy)	Madagascar		43.9075;-20.8678	5 m
Kirindy Mitea National Park (see Tahiry Manokan' i Kirindy)	Madagascar		43.9075;-20.8678	5 m
Manahy, 0.75 km SW (see Tahiry Manokan' i Kirindy)	Madagascar		43.9075;-20.8678	5 m
Parc National de Kirindy-Mitea (see Tahiry Manokan' i Kirindy)	Madagascar		43.9075;-20.8678	5 m
Réserve Spéciale de la Kirindy (see Tahiry Manokan' i Kirindy)	Madagascar		43.9075;-20.8678	5 m
Tahiry Manokan' i Kirindy (see also: Forêt de Kirindy, Kirindy forest (CNFEREF), Kirindy Mitea National Park, Manahy, 0.75 km SW, Parc National de Kirindy-Mitea, Réserve Spéciale de la Kirindy)	Madagascar		43.9075;-20.8678	5 m

SE 20044Ba:

Marofandilia	Madagascar		44.6581;-20.0675	

SE 20044Ad:

Morondava	Madagascar		44.2833;-20.2833	1 m

SE 20044Bc:

Mahabo	Madagascar		44.6667;-20.3833	57 m

SE 20046Da:

Itremo (village)	Madagascar		46.6209;-20.5938	1450 m
Itremo, 2.5 km W	Madagascar		46.6179;-20.5938	1400 m

SE 20046Db:

Ambatofinandra	Madagascar		46.8088;-20.5721	
Ambatofinandrahana, 3 km S (see also: unnamed cave)	Madagascar		46.8088;-20.5721	1450 m
unnamed cave (see Ambatofinandrahana, 3 km S), 3 km S Ambatofinandrahana	Madagascar		46.8088;-20.5721	1450 m

SE 20047Aa:

Bity Massif (see Ibity Massif)	Madagascar		47.0167;-20.1167	
Caves of Manandona, high on mountain side	Madagascar		47.0667;-20.0500	6600 ft
Ibity Massif (see also: Bity Massif)	Madagascar		47.0167;-20.1167	

SE 20047Ab:

Fandanana (see Fandriana)	Madagascar		47.3833;-20.2333	1463 m
Fandriana (see also: Fandanana, Ifandriana)	Madagascar		47.3833;-20.2333	1463 m
Ifandriana (see Fandriana)	Madagascar		47.3833;-20.2333	1463 m

SE 20047Ad:

Andraina, 2 km W	Madagascar	ca.	47.4412;-20.3843	

SE 20047Bc:

Fandriana region	Madagascar		47.5167;-20.2833	
Imasindrary (see also: Masindary, Sahamananina)	Madagascar		47.5167;-20.2833	
Masindary (see Imasindrary)	Madagascar		47.5167;-20.2833	

SE 20047Cb:

Ambohi (see Ambohimitombo)	Madagascar		47.4333;-20.7167	1149 m
Ambohimitambo (see Ambohimitombo)	Madagascar		47.4333;-20.7167	1149 m

Ambohimitambo forest (see Ambohimitombo)	Madagascar		47.4333;-20.7167	1149 m
Ambohimitembo (see Ambohimitombo)	Madagascar		47.4333;-20.7167	1149 m
Ambohimitombo (see also: Ambohi, Ambohimitambo, Ambohimitambo forest, Ambohimitembo)	Madagascar		47.4333;-20.7167	1149 m
Ambositra	Madagascar		47.2500;-20.5167	
Imerina, forest, E of	Madagascar		47.3333;-20.5333	

SE 20047Da:

Ivohimanitra	Madagascar	ca.	47.5833;-20.7000	

SE 20047Cc:

Vohiposa	Madagascar		47.1617;-20.9961	

SE 20048Da:

Sakaleo River (see Sakaleona River)	Madagascar		48.5298;-20.5806	
Sakaleona River (see also: Sakaleo River, Sakaleony River)	Madagascar		48.5298;-20.5806	
Sakaleony River (see Sakaleona River)	Madagascar		48.5298;-20.5806	

SE 20055Cd:

La Possession, 2.2 km SSW (see Pont de Balthazar)	Réunion		55.3308;-20.9456	40 m
Pont de Balthazar, 2.2 km SSW La Possession (see also: La Possession, 2.2 km SSW)	Réunion		55.3308;-20.9456	40 m
Sainte Clothilde	Réunion		55.4831;-20.9178	80 m

SE 20055Dc:

Eglise de Bras-Panon	Réunion		55.6431;-20.9811	

SE 20057Aa:

Mascarene Islands	Mascarene Islands		57.0000;-20.0000	

SE 20057Ab:

Le Reduit, ravines	Mauritius	ca.	57.4833;-20.2167	
Port Louis (see also: Port Louis Town)	Mauritius		57.4989;-20.1619	125 m
Port Louis Town (see Port Louis)	Mauritius		57.4989;-20.1619	125 m
Rose Hill	Mauritius		57.4700;-20.2419	

SE 20057Ba:

Camp Thorel Cave	Mauritius		57.6206;-20.2156	310 m
Caverne Trois Bras (see Trois Bras cave)	Mauritius		57.6333;-20.0239	45 m
Roches Noires, 3.0 km W (see Twilight cave)	Mauritius		57.7028;-20.1175	30 m
Trois Bras cave, edge of Mountain vent (see also: Caverne Trois Bras)	Mauritius		57.6333;-20.0239	45 m
Twilight cave, 3.0 km W Roches Noires (see also: Roches Noires, 3.0 km W)	Mauritius		57.7028;-20.1175	30 m

SE 20057Ad:

Cascavelle, along Papayes river/ Rivière du Rempart	Mauritius		57.4192;-20.2953	
Palma cave	Mauritius		57.4539;-20.2778	
Petite Case Royale	Mauritius		57.3833;-20.4008	

SE 20057Bc:

Fayence Moutain, northern slope	Mauritius		57.6778;-20.3892	
Kanaka Bat Cave	Mauritius		57.5222;-20.4128	450 m
Mare au Songes (see also: Mare aux Songes)	Mauritius		57.7017;-20.4419	
Mare aux Songes (see Mare au Songes)	Mauritius		57.7017;-20.4419	
Riche en Eau	Mauritius		57.6542;-20.3881	

SE 20057Da:

Senneville	Mauritius	57.5500;-20.5011	151 m

SE 21014Aa:

Brandberg Wes Mine	Namibia	14.1500;-21.0000	

SE 21014Bb:

Uis Tin Mine (see also: United States' Tine Mine)	Namibia	14.8667;-21.2333	
United States' Tine Mine (see Uis Tin Mine)	Namibia	14.8667;-21.2333	

SE 21015Bb:

Farm 91 (Tjirundo) (see Farm Tjirundo 91)	Namibia	15.8722;-21.2139	1300 m
Farm Tjirundo 91, Omaruru, 24.5 km N, 7.8 km W (see also: Farm 91 (Tjirundo), Tjirundo, Farm 91)	Namibia	15.8722;-21.2139	1300 m
Tjirundo, Farm 91 (see Farm Tjirundo 91)	Namibia	15.8722;-21.2139	1300 m

SE 21015Ad:

Okombahe, 10 mi [=16 km] W	Namibia	15.2620;-21.2930	

SE 21015Bd:

Evergreen Campsite	Namibia	15.8792;-21.4461	
Farm 39 (Opelo Süd) (see Farm Opelo Süd 39)	Namibia	15.9972;-21.2811	1300 m
Farm Opelo Süd 39, 14.9 km N, 4.6 km E Omaruru (see also: Farm 39 (Opelo Süd), Omaruru, 6 km E, Opelo Süd, Farm 39)	Namibia	15.9972;-21.2811	1300 m
Omaruru	Namibia	15.9333;-21.4333	1185 m
Omaruru, 6 km E (see Farm Opelo Süd 39)	Namibia	15.9972;-21.2811	1300 m
Opelo Süd, Farm 39 (see Farm Opelo Süd 39)	Namibia	15.9972;-21.2811	1300 m

SE 21015Ca:

Bergdmara (see Okombahe)	Namibia	15.1667;-21.6667	
Okombahe (see also: Bergdmara, Okombahe Native Reserve, Reserwe Okombahe)	Namibia	15.1667;-21.6667	
Okombahe Native Reserve (see Okombahe)	Namibia	15.1667;-21.6667	
Reserwe Okombahe (see Okombahe)	Namibia	15.1667;-21.6667	

SE 21015Cb:

Erongorus Usakos, Ombu	Namibia	15.4833;-21.7333	

SE 21015Da:

Eronga Mountains (see Erongo Mountains)	Namibia	15.6667;-21.6667	
Erongo Mountains (see also: Eronga Mountains, Erongoberge, Erongo-Gebirge)	Namibia	15.6667;-21.6667	
Erongoberge (see Erongo Mountains)	Namibia	15.6667;-21.6667	
Erongo-Gebirge (see Erongo Mountains)	Namibia	15.6667;-21.6667	
Ombu	Namibia	15.7333;-21.6667	

SE 21015Db:

E Kamombonde 86, 18 km S, 6 km E Omaruru (see also: Omaruru, 18 km S, 6 km E)	Namibia	15.9333;-21.5000	
Omaruru, 18 km S, 6 km E (see E Kamombonde 86)	Namibia	15.9333;-21.5000	

SE 21015Dd:

Karibib	Namibia	15.8333;-21.9333	1139 m

SE 21016Ac:

Omburo (farmstead) (see also: Omburu)	Namibia	16.2000;-21.3000	
Omburu (see Omburo (farmstead))	Namibia	16.2000;-21.3000	

SE 21016Ad:

Farm Otjikoko Sud 61, 48 km ENE Omaruru (see also: Omaruru, 48 km ENE, Pipistrelle Cave)	Namibia	16.4500;-21.3000	
Omaruru, 48 km ENE (see Farm Otjikoko Sud 61)	Namibia	16.4500;-21.3000	
Otjikoko Sud 61, 48 km ENE Omaruru	Namibia	16.4500;-21.3000	
Pipistrelle Cave (see Farm Otjikoko Sud 61), 48 km ENE Omaruru	Namibia	16.4500;-21.3000	

SE 21016Ca:

Farm Okandukaseibe 27, 47 km S Wilhelmstal (see also: Wilhelmstal, 47 km S)	Namibia	16.1000;-21.5500	
Omaruru district	Namibia	16.0000;-21.5000	
Wilhelmstal, 47 km S (see Farm Okandukaseibe 27)	Namibia	16.1000;-21.5500	

SE 21016Dd:

Okahandja (see also: Okahanja)	Namibia	16.9167;-21.9833	1324 m
Okahanja (see Okahandja)	Namibia	16.9167;-21.9833	1324 m
Omatagous	Namibia	16.9167;-21.9667	

SE 21017Aa:

Quickborn	Namibia	17.1167;-21.1167	

SE 21017Ba:

Damaraland (see also: Herero-land, Herreroland)	Namibia	17.5000;-21.0000	
Herero-land (see Damaraland)	Namibia	17.5000;-21.0000	
Herreroland (see Damaraland)	Namibia	17.5000;-21.0000	

SE 21017Cb:

Okahandja district	Namibia	17.3333;-21.6667	

SE 21018Da:

Okatjomboa	Namibia	18.5000;-21.5000	1500 m

SE 21021Da:

Gemsbok Pan, ca. 25 mi [=40 km] W Sunnyside (see also: Sunnyside, ca. 25 mi [=40 km] W)	Botswana	21.6587;-21.6667	
Ghansi, 20 mi [=32 km] NE (see Ghanzi, 20 mi [=32 km] NE)	Botswana	21.6500;-21.7000	
Ghanzi, 20 mi [=32 km] NE (see also: Ghansi, 20 mi [=32 km] NE)	Botswana	21.6500;-21.7000	
Sunnyside, ca. 25 mi [=40 km] W (see Gemsbok Pan)	Botswana	21.6587;-21.6667	

SE 21026Ac:

Tamafuhi (see Tamafupi)	Botswana	26.1667;-21.2667	
Tamafupi (see also: Tamafuhi)	Botswana	26.1667;-21.2667	

SE 21026Ad:

Nthane	Botswana	26.3667;-21.3667	

SE 21027Ba:

Francis Town, 20 km N	Zimbabwe	27.6167;-21.1167	

Francistown	Botswana		27.5167;-21.1667	1001 m

SE 21027Bb:

Ingwesi Farm, Syringa (see also: Ingwesi Ranch)	Zimbabwe		27.9667;-21.0333	
Ingwesi Ranch (see Ingwesi Farm), Syringa	Zimbabwe		27.9667;-21.0333	

SE 21027Cd:

Serula	Botswana		27.3333;-21.9667	

SE 21029Aa:

Colleen Bawn	Zimbabwe		29.2167;-21.0000	964 m

SE 21029Ab:

Lanninghurst mine, 4 mi [=7.2 km] (W)NW Nicholson	Zimbabwe		29.3833;-21.0667	
West Nicholson	Zimbabwe		29.3667;-21.0667	819 m

SE 21029Ba:

Dwala Farm (see Dwala Ranch), Bubiana River	Zimbabwe		29.7167;-21.0833	
Dwala Ranch, Bubiana River (see also: Dwala Farm)	Zimbabwe		29.7167;-21.0833	

SE 21029Ad:

Doddieburn Farm, West Nickolson	Zimbabwe		29.4000;-21.4667	

SE 21029Cc:

Tuli Camp	Zimbabwe		29.2167;-21.9000	

SE 21030Bc:

Nuanetsi Dam (see Nungu Dam)	Zimbabwe	ca.	30.6134;-21.2791	
Nuanetsi Ranch Headquarters, 18 km W	Zimbabwe		30.6244;-21.4940	
Nuanetsi Ranch Headquarters, 26 km W (see Nungu Dam)	Zimbabwe	ca.	30.6134;-21.2791	
Nungu Dam (see also: Nuanetsi Dam, Nuanetsi Ranch Headquarters, 26 km W)	Zimbabwe	ca.	30.6134;-21.2791	

SE 21030Db:

Nuanetsi Ranch Headquarters	Zimbabwe		30.7940;-21.5002	
Nuanetsi Ranch Headquarters, 1.6 km W	Zimbabwe		30.7940;-21.5002	

SE 21031Ab:

MacDougall's Tunnel (see Triangle Ranch)	Zimbabwe		31.4667;-21.0833	
Triangle (see Triangle Ranch), Seaton 81	Zimbabwe		31.4667;-21.0833	
Triangle Ranch, Seaton 81 (see also: MacDougall's Tunnel, Triangle)	Zimbabwe		31.4667;-21.0833	

SE 21031Ba:

Chiredzi, Buffalo Range	Zimbabwe		31.6667;-21.0500	437 m
Hippo Valley	Zimbabwe		31.5500;-21.1667	
Kutanga Hippo V. Estates	Zimbabwe		31.6250;-21.1250	

SE 21031Bb:

Chiredzi, 24 km E	Zimbabwe		31.7667;-21.0500	
Dagati Pan	Zimbabwe		31.8700;-21.1200	
Lone Star Ranch (see also: Malilangwe Conservancy)	Zimbabwe		31.9000;-21.0833	
Malilangwe Conservancy (see Lone Star Ranch)	Zimbabwe		31.9000;-21.0833	

SE 21031Bd:

Chipinda Pools	Zimbabwe		31.9333;-21.3000
Chirinda Pools	Zimbabwe		31.8750;-21.3750

SE 21031Ca:

Bezwe river, tributary of Wanetsi River	Zimbabwe		31.1669;-21.5000

SE 21031Db:

Gona-Re-Zhou National Park (see also: GonareZhou National Park, Gona-Re-Zhowe National Park)	Zimbabwe		31.7500;-21.6667
GonareZhou National Park (see Gona-Re-Zhou National Park), GonareZhou	Zimbabwe		31.7500;-21.6667
Gona-Re-Zhowe National Park (see Gona-Re-Zhou National Park), GonareZhou	Zimbabwe		31.7500;-21.6667
Mabalanta Camp	Zimbabwe		31.7500;-21.6667

SE 21031Cd:

Buffalo Bend	Zimbabwe		31.4833;-21.9333
Mabalauta Camp	Zimbabwe		31.4667;-21.9333
Malapati Game Reserve (see also: Malapati Safari Area)	Zimbabwe		31.3962;-21.9303
Malapati Safari Area (see Malapati Game Reserve)	Zimbabwe		31.3962;-21.9303

SE 21031Dd:

Guluene Corridor South	Zimbabwe		31.8667;-21.8667

SE 21032Aa:

Chitove Tsetse Camp	Zimbabwe		32.1250;-21.1250

SE 21032Ab:

Chibiribira Falls (see Chivirira Falls)	Zimbabwe		32.3000;-21.2000
Chiribira Falls (see Chivirira Falls)	Zimbabwe		32.3000;-21.2000
Chivirira Falls (see also: Chibiribira Falls, Chiribira Falls)	Zimbabwe		32.3000;-21.2000

SE 21032Ad:

Sabi-Lundi confluence (see Sabi-Lundi junction)	Zimbabwe		32.4000;-21.3000
Sabi-Lundi junction (see also: Sabi-Lundi confluence)	Zimbabwe		32.4000;-21.3000
Sabi-Lundi River, S junction	Zimbabwe		32.4000;-21.3000

SE 21032Cb:

Save River Bridge, 30 km N?	Mozambique		32.3800;-21.6300

SE 21032Db:

Massangena	Mozambique		32.9606;-21.5550

SE 21033Ba:

Crus Dubacus Setache, 5 km N (see Zinave National Park)	Mozambique		33.6250;-21.1250
Zinave National Park, 5 km N Crus Dubacus Setache (see also: Crus Dubacus Setache, 5 km N)	Mozambique		33.6250;-21.1250

SE 21033Bd:

Beira, 212 km SSW	Mozambique		33.8503;-21.4367	
Covane	Mozambique		33.9375;-21.3653	75 m
Zinave, 212 km SSW Beira	Mozambique		33.8503;-21.4367	
Zinave, 2 km S	Mozambique		33.8500;-21.3500	
Zinave, 2 km SW	Mozambique	ca.	33.8500;-21.3500	

Zinave, 3 km SW	Mozambique	ca.	33.8500;-21.3500	
Zinave, 30 mi [=48 km] NE	Mozambique	ca.	33.9167;-21.2500	
Zinave, 5 km W	Mozambique	ca.	33.8500;-21.3500	

SE 21033Da:

Dabacua Setache (see Setache)	Mozambique		33.5217;-21.6922	
Setache (see also: Dabacua Setache)	Mozambique		33.5217;-21.6922	

SE 21033Cd:

Malacus	Mozambique		33.3750;-21.8750	

SE 21034Ba:

Save River, S of bridge on EN1	Mozambique		34.7464;-21.1758	52 m

SE 21034Bb:

Mehave, on Save river?	Mozambique		34.7500;-21.0700	

SE 21034Bd:

Gruta Magochene	Mozambique		34.8667;-21.3667	

SE 21034Db:

Chihalatan cave, 38.2 km W Inhassoro (see also: Inhassoro, 38.2 km W)	Mozambique		34.8639;-21.6711	
Gerhard's cave	Mozambique		34.8600;-21.6700	68 m
Inhassano, 39.1 km W (see Malashane cave)	Mozambique		34.8469;-21.6681	
Inhassoro, 38.2 km W (see Chihalatan cave)	Mozambique		34.8639;-21.6711	
Macovane, 27 km SW (see Nogochene caves)	Mozambique	ca.	34.8667;-21.6833	
Malashane cave, 39.1 km W Inhassoro, < 2 km from Chihalatan cave (see also: Inhassano, 39.1 km W)	Mozambique		34.8469;-21.6681	
Nogochene caves, 27 km SW Macovane (see also: Macovane, 27 km SW)	Mozambique	ca.	34.8667;-21.6833	

SE 21035Ac:

Macovane	Mozambique		35.0564;-21.4889	0 m

SE 21035Ca:

Macovane, ca 25 km SW	Mozambique	ca.	35.0500;-21.5000	

SE 21035Cb:

Bazaruto Island (see also: Bazaruto, Ilha do)	Mozambique		35.4678;-21.6628	
Bazaruto Lodge	Mozambique		35.3375;-21.6153	
Bazaruto, Ilha do (see Bazaruto Island)	Mozambique		35.4678;-21.6628	

SE 21035Cd:

Vilanculos, W edge	Mozambique		35.3170;-21.9830	
Vilankulo, W edge	Mozambique		35.3170;-21.9830	

SE 21043Da:

Bas Mangoky agricultural station	Madagascar	ca.	43.7000;-21.6000	

SE 21043Cd:

Cap Saint Vincent (see Tanjona Ankaboa)	Madagascar		43.3333;-21.8667	
Cape Saint Vincent (see Tanjona Ankaboa)	Madagascar		43.3333;-21.8667	
Cape Saint Vincent, near (see Tanjona Ankaboa, near)	Madagascar	ca.	43.3333;-21.8667	
Saint Vincent Cape (see Tanjona Ankaboa)	Madagascar		43.3333;-21.8667	
Tanjona Andefitra (see Tanjona Ankaboa)	Madagascar		43.3333;-21.8667	

Tanjona Ankaboa (see also: Cap Saint Vincent, Cape Saint Vincent, Saint Vincent Cape, Tanjona Andefitra)	Madagascar		43.3333;-21.8667	
Tanjona Ankaboa, near (see also: Cape Saint Vincent, near)	Madagascar	ca.	43.3333;-21.8667	

SE 21043Dd:

Ankiliabo, 11 km SSE (see Forêt de Beronto)	Madagascar		43.9783;-21.7800	
Beronto forest (see Forêt de Beronto)	Madagascar		43.9783;-21.7800	
Forêt de Beronto (see also: Ankiliabo, 11 km SSE, Beronto forest)	Madagascar		43.9783;-21.7800	

SE 21047Ab:

Andriamamovoka	Madagascar		47.3981;-21.2459	1112 m
Cascade Sahanalaotra, near, just outside PN de Ranomafana (see also: Sahanalaotra falls, near)	Madagascar		47.3978;-21.2375	1100 m
Sahanalaotra falls, near (see Cascade Sahanalaotra, near), just outside PN de Ranomafana	Madagascar		47.3978;-21.2375	1100 m

SE 21047Bb:

Fandriana, 45 km ESE (see Ampitambé (2))	Madagascar	ca.	47.7500;-21.0000	900 m

SE 21047Ac:

Fianarantsoa (see also: Fianarantsoa: Miharisoa (EPP))	Madagascar		47.0833;-21.4333	1156 m
Fianarantsoa, 18 km SW	Madagascar		47.0833;-21.4500	1128 m
Fianarantsoa, near	Madagascar	ca.	47.0833;-21.4333	
Fianarantsoa: Miharisoa (EPP) (see Fianarantsoa)	Madagascar		47.0833;-21.4333	1156 m

SE 21047Ad:

Ambodiamontana, ca 7 km (by road) W Ranomafana (see also: Ranomafana, ca 7 km (by road) W)	Madagascar		47.4330;-21.2670	950 m
Ranomafana, ca 7 km (by road) W (see Ambodiamontana)	Madagascar		47.4330;-21.2670	

SE 21047Bc:

Amboasari, 15 km SW Vinanitelo (see also: Amboasary (2))	Madagascar		47.6167;-21.4333	492 m
Amboasary (2) (see Amboasari), 15 km SW Vinanitelo	Madagascar		47.6167;-21.4333	492 m
Ifanadiana	Madagascar		47.6333;-21.3000	532 m
Ifanadiana, 6 km SSW	Madagascar		47.6170;-21.3500	500 m
Vinanitelo, 15 km SW	Madagascar		47.6167;-21.4333	492 m

SE 21047Bd:

Ambinanylalangy, Vatovavy-Fitovinany region, 6.98 km NE Kianjavato (see also: Ambinany-Lalangy, Kianjavato, 6.98 km NE)	Madagascar		47.9208;-21.3425	
Ambinany-Lalangy (see Ambinanylalangy)	Madagascar		47.9208;-21.3425	
FOFIFA Station, Kianjavato	Madagascar		47.8601;-21.3668	150 m
Kianjavato	Madagascar		47.8601;-21.3668	150 m
Kianjavato, 0.5 km N	Madagascar		47.8667;-21.3833	300 m
Kianjavato, 4 km E (by road)	Madagascar		47.9000;-21.3830	125 m
Kianjavato, 6.98 km NE (see Ambinanylalangy)	Madagascar		47.9208;-21.3425	
Kianjavato, 9 km ESE (see Vatovavy)	Madagascar		47.9500;-21.4000	150 m
Vatovavy, 9 km ESE Kianjavato (see also: Kianjavato, 9 km ESE)	Madagascar		47.9500;-21.4000	150 m

SE 21047Cb:

Andrambovato, 2 km NE	Madagascar		47.4500;-21.5000	550 m
Vinanitelo	Madagascar		47.2667;-21.7167	

SE 21047Cd:

Forêt d'Ikongo (see Ikongo Forest)	Madagascar		47.3468;-21.8864	
Fort Carhot (see Ikongo)	Madagascar		47.4333;-21.8833	354 m
Fort Carhot (see Ikongo)	Madagascar		47.4333;-21.8833	354 m
Fort Carnot (see Ikongo)	Madagascar		47.4333;-21.8833	354 m
Fort-Carnot (see Ikongo)	Madagascar		47.4333;-21.8833	354 m
Ikongo (see also: Fort Carhot, Fort Carhot, Fort Carnot, Fort-Carnot)	Madagascar		47.4333;-21.8833	354 m
Ikongo Forest (see also: Forêt d'Ikongo)	Madagascar		47.3468;-21.8864	
Itambelo (see Itaombelo)	Madagascar	ca.	47.2500;-21.8000	
Itaombelo (see also: Itambelo, Stambelo)	Madagascar	ca.	47.2500;-21.8000	
Stambelo (see Itaombelo)	Madagascar	ca.	47.2500;-21.8000	

SE 21048Ac:

Ambohimanana, 2 km SW Vinanitelo (see also: Vinanitelo, 21 km SW)	Madagascar		48.0833;-21.4333	44 m
Vinanitelo, 21 km SW (see Ambohimanana)	Madagascar		48.0833;-21.4333	44 m

SE 21055Aa:

Falaise de Saint Gilles	Réunion		55.2228;-21.0550	
La Saline-les Bains, 3.2 km SSE (see Ravine des Trois Bassins)	Réunion		55.2428;-21.1100	10 m
Ravine des Trois Bassins, 3.2 km SSE La Saline-les Bains (see also: La Saline-les Bains, 3.2 km SSE)	Réunion		55.2428;-21.1100	10 m
Saint-Gilles (see Saint-Gilles-les Bains)	Réunion		55.2333;-21.0333	114 m
Saint-Gilles-les Bains (see also: Saint-Gilles)	Réunion		55.2333;-21.0333	114 m

SE 21055Ab:

Grotte de Trois Bassin	Réunion		55.2919;-21.1039	
La Tévelave, above (see also: Tévelave, above)	Réunion	ca.	55.3942;-21.1631	
Tévelave, above (see La Tévelave, above)	Réunion	ca.	55.3942;-21.1631	

SE 21055Ba:

Bourbon, île (see Réunion)	Bourbon, île	ca.	55.6000;-21.1000	
Réunion (see also: Bourbon, île)	Réunion	ca.	55.6000;-21.1000	
Saint-Benoît, near	Réunion	ca.	55.7194;-21.0380	
St. Benoit, near (see St. Benoit, near) (see also: St. Benoit, near)	Réunion	ca.	55.7194;-21.0380	

SE 21055Ad:

Étang Salé (see also: Étan-Salé-les-Hauts, L'Étang-Salé)	Réunion		55.3833;-21.2500	20 m
Étan-Salé-les-Hauts (see Étang Salé)	Réunion		55.3833;-21.2500	20 m
L'Étang-Salé (see Étang Salé)	Réunion		55.3833;-21.2500	20 m

SE 21055Bc:

Basse Vallée, 0.7 km SSW (see Le Cap Méchant)	Réunion		55.7094;-21.3750	10 m
Le Cap Méchant, 0.7 km SSW Basse Vallée (see also: Basse Vallée, 0.7 km SSW)	Réunion		55.7094;-21.3750	10 m

SE 22014Da:

Richthoven	Namibia		14.7333;-22.6333	110 m

SE 22014Db:

Oakwengaga	Namibia		14.8333;-22.6667	

SE 22014Dc:

Walfischbay (see Walvis Bay)	Namibia		14.5053;-22.9575	17 m

Walfisch-Bucht-Niederland (see Walvis Bay)	Namibia		14.5053;-22.9575	17 m
Walvis Bay (see also: Walfischbay, Walfisch-Bucht-Niederland, Walvisbaai)	Namibia		14.5053;-22.9575	17 m
Walvisbaai (see Walvis Bay)	Namibia		14.5053;-22.9575	17 m

SE 22015Bb:

Goas	Namibia		15.7500;-22.2167	

SE 22015Da:

Bats cave (see Bats Hole)	Namibia		15.5167;-22.6500	
Bats Hole (see also: Bats cave)	Namibia		15.5167;-22.6500	

SE 22016Bb:

Gross Barmen	Namibia		16.7500;-22.1000	1218 m

SE 22016Ac:

Karibib, 80 mi [=129 km] E (see Otjimbingwe)	Namibia		16.1333;-22.3500	844 m
Ondongwa, 32 km W (see Otjoro)	Namibia		16.1667;-22.2500	
Otjihoro (see Otjoro), 32 km W Ondongwa,	Namibia		16.1667;-22.2500	
Otjimbingue (see Otjimbingwe), 80 mi E Karibib	Namibia		16.1333;-22.3500	844 m
Otjimbingwe, 80 mi E Karibib (see also: Karibib, 80 mi [=129 km] E, Otjimbingue)	Namibia		16.1333;-22.3500	844 m
Otjoro, 32 km W Ondongwa, (see also: Ondongwa, 32 km W, Otjihoro)	Namibia		16.1667;-22.2500	

SE 22016Ad:

Friedrichswald	Namibia		16.2700;-22.3100	

SE 22016Db:

Daan Viljoen Game Park (see also: Daan Viljoen Park)	Namibia		16.9667;-22.5333	
Daan Viljoen Park (see Daan Viljoen Game Park)	Namibia		16.9667;-22.5333	
Liebig's Ranch	Namibia		16.8833;-22.6333	
Matchless Mine, between Windhoek & Rehoboth	Namibia		16.8333;-22.6833	1800 m

SE 22017Bb:

Otjihua 180 (farmstead), 33 km N, 74 km E Windhoek (see also: Windhoek, 33 km N, 74 km E)	Namibia		17.9167;-22.1000	
Otjihua 182, 33 km N, 74 km E Windhoek (see also: Windhoek, 33 km N, 74 km E)	Namibia		17.9167;-22.1000	
Otjihua 185, 33 km N, 74 km E Windhoek (see also: Windhoek, 33 km N, 74 km E)	Namibia		17.9167;-22.1000	
Windhoek, 33 km N, 74 km E (see Otjihua 180 (farmstead))	Namibia		17.9167;-22.1000	
Windhoek, 33 km N, 74 km E (see Otjihua 182)	Namibia		17.9167;-22.1000	
Windhoek, 33 km N, 74 km E (see Otjihua 185)	Namibia		17.9167;-22.1000	
Windoek, 30 km N, 68 km E	Namibia	ca.	17.9167;-22.1000	

SE 22017Bc:

Okatumba SA197 [Farmstead], 30 km N, 68 km E Windhoek (see also: Windhoek, 30 km N, 68 km E)	Namibia		17.6667;-22.3167	
Windhoek, 30 km N, 68 km E (see Okatumba SA197 [Farmstead])	Namibia		17.6667;-22.3167	

SE 22017Ca:

Alte Feste	Namibia		17.1250;-22.6250	
Farm Finkenstein, 12 mi [=19 km] E Windhoek (see also: Finkenstein, Farm, Windhoek, 12 mi [=19 km] E)	Namibia		17.2464;-22.5517	

Finkenstein, Farm (see Farm Finkenstein), 12 mi [=19 km] E Windhoek	Namibia	17.2464;-22.5517	
Hot Spring	Namibia	17.1167;-22.6167	
Klein Windhoek	Namibia	17.1008;-22.5789	1867 m
Neuhof-Kowas Farm, near Windhoek	Namibia	17.1000;-22.5667	
New Dam	Namibia	17.1000;-22.5667	
Pioniers Park, Windhoek	Namibia	17.0642;-22.6000	1694 m
Windhoek (see also: Windhuk)	Namibia	17.0836;-22.5700	1721 m
Windhoek Hoerskloof	Namibia	17.1250;-22.6250	
Windhoek, 12 mi [=19 km] E (see Farm Finkenstein)	Namibia	17.2464;-22.5517	
Windhuk (see Windhoek)	Namibia	17.0836;-22.5700	1721 m

SE 22017Cb:

Farm Hohewarte (see also: Hohewarte, Farm, Windhoek, 47 mi [=75 km] E)	Namibia	17.4083;-22.6414	
Hohewarte, Farm (see Farm Hohewarte)	Namibia	17.4083;-22.6414	
Windhoek, 47 mi [=75 km] E (see Farm Hohewarte)	Namibia	17.4083;-22.6414	

SE 22017Db:

Okatumba Sud	Namibia	17.8750;-22.6250	

SE 22017Cd:

Twee Koppies (see Tweekoppies)	Namibia	17.4000;-22.9667	1696 m
Tweekoppies (see also: Twee Koppies)	Namibia	17.4000;-22.9667	1696 m

SE 22018Bb:

Farm 397	Namibia	18.9667;-22.2000	

SE 22018Ac:

Arnheim Farm (see Farm Arnhem)	Namibia	18.1333;-22.4833	1500 m
Farm Arnheim (see Farm Arnhem), 26.0 km S, 89.0 km W Gobabis (see also: Gobabis, 26.0 km S, 89.0 km W)	Namibia	18.1333;-22.4833	1500 m
Farm Arnhem, 80 mi E Windhoek; 26.0 km S, 89.0 km W Gobabis (see also: Arnheim Farm, Farm Arnem, Farm Arnheim, Windhoek, 80 mi [=129 km] E)	Namibia	18.1333;-22.4833	1500 m
Gobabis, 26.0 km S, 89.0 km W (see Farm Arnheim)	Namibia	18.1333;-22.4833	1500 m

SE 22018Ad:

Gobabis, 40 mi [=64 km] W (see Witvlei)	Namibia	18.4833;-22.4000	1250 m
Witvlei, 40 mi [=64 km] W Gobabis (see also: Gobabis, 40 mi [=64 km] W, Witvley)	Namibia	18.4833;-22.4000	1250 m

SE 22018Bc:

Witvley (see Witvlei), 40 mi [=64 km] W Gobabis	Namibia	18.5000;-22.4000	1250 m

SE 22018Bd:

Gobabis	Namibia	18.9667;-22.4500	4650 ft

SE 22018Ca:

Arnhem, 80 km E	Namibia	18.1333;-22.6833	
Farm Arnem (see Farm Arnhem), 80 mi E Windhoek	Namibia	18.1333;-22.6833	1500 m
Windhoek, 80 mi [=129 km] E (see Farm Arnhem)	Namibia	18.1333;-22.6833	1500 m

SE 22019Bd:

Farm 468 (Sandfontein) (see Farm Sandfontein 468)	Namibia	19.9833;-22.3000	4100 ft
Farm Sandfontein 468, Gobabis, E (see also: Farm 468 (Sandfontein), Sandfontein (farmstead), Sandfontein, Farm 468)	Namibia	19.9833;-22.3000	4100 ft

Karolinenhof [farmstead]	Namibia		19.8667;-22.4500	4000 ft
Sandfontein (farmstead) (see Farm Sandfontein 468)	Namibia		19.9833;-22.3000	4100 ft
Sandfontein, Farm 468 (see Farm Sandfontein 468)	Namibia		19.9833;-22.3000	4100 ft

SE 22019Ca:

Gobabis district	Namibia		19.0000;-22.5000	

SE 22019Cb:

Oas (farmstead)	Namibia		19.4000;-22.6000	

SE 22021Ab:

Camp 7, 25 mi [=40 km] SSE Fort Rietfontein (see also: Fort Rietfontein, 25 mi [=40 km] SSE)	Botswana		21.2500;-22.0000	
Fort Rietfontein, 25 mi [=40 km] SSE (see Camp 7)	Botswana		21.2500;-22.0000	

SE 22026Bb:

Mabeleapodi, 60 km W Sehithwa (see also: Mabeleapudi, Sehithwa, 60 km W, Sehitwa, 60 km W)	Botswana		26.8331;-22.2131	
Mabeleapudi (see Mabeleapodi), 60 km W Sehithwa	Botswana		26.8331;-22.2131	
Sehithwa, 60 km W (see Mabeleapodi)	Botswana		26.8331;-22.2131	
Sehitwa, 60 km W (see Mabeleapodi)	Botswana		26.8331;-22.2131	

SE 22026Bc:

Serowe, 40 mi [=64 km] NW	Botswana	ca.	26.7167;-22.3833	
Serowe, sewage ponds	Botswana		26.6928;-22.4031	
Serowe, village 2 km from	Botswana	ca.	26.7333;-22.4167	

SE 22027Ad:

Motusi Village (see Seruli)	Botswana		27.3833;-22.2833	1026 m
Seruli (see also: Motusi Village)	Botswana		27.3833;-22.2833	1026 m

SE 22028Bb:

Tuli Block, Gesond Ltd	Botswana	ca.	28.9000;-22.2000	

SE 22028Cb:

Maasstroom, 24 km NW (see Mmabolela Estates [farmstead])	South Africa		28.2833;-22.6333	
Mmabolela Estates [farmstead], 14 mi NW Maasstroom (see also: Maasstroom, 24 km NW)	South Africa		28.2833;-22.6333	

SE 22028Cd:

Al-te-ver, Farm 103 (see Farm Al-te-ver 103), 1 km SSE Maastroom	South Africa		28.4667;-22.7667	
Farm 103 (Al-te-ver) (see Farm Al-te-ver 103), 1 km SSE Maastroom	South Africa		28.4667;-22.7667	
Farm Al-te-ver 103, 1 km SSE Maastroom (see also: Al-te-ver, Farm 103, Farm 103 (Al-te-ver), Maasstroom, 1 km SSE)	South Africa		28.4667;-22.7667	
Maasstroom, 1 km SSE (see Farm Al-te-ver 103)	South Africa		28.4667;-22.7667	

SE 22029Aa:

Zelu, 3 mi [=4.8 km] W	Botswana	ca.	29.2000;-22.1700	

SE 22029Ab:

Farm 37MS (Greefswald) (see Farm Greefswald 37MS), 67 km W Messina; Shashi-Limpopo confluence	South Africa		29.3833;-22.2000	

Farm Greefswald 37MS, 67 km W Messina; Shashi-Limpopo confluence (see also: Farm 37MS (Greefswald), Greefswald [=Mapungubwe], Greefswald, Farm 37MS, Mapungubwe, Messina, 67 km W, Messina, 75 km W)	South Africa	29.3833;-22.2000
Greefswald [=Mapungubwe] (see Farm Greefswald 37MS), 75 km W Messina	South Africa	29.3833;-22.2000
Greefswald, Farm 37MS (see Farm Greefswald 37MS), 67 km W Messina; Shashi-Limpopo confluence	South Africa	29.3833;-22.2000
Limpopo Valley, Sentinal Ranch (see Limpopo Valley, Sentinel Ranch)	Zimbabwe	29.3750;-22.1250
Mapungubwe (see Farm Greefswald 37MS), 75 km W Messina	South Africa	29.3833;-22.2000
Messina, 67 km W (see Farm Greefswald 37MS)	South Africa	29.3833;-22.2000
Messina, 75 km W (see Farm Greefswald 37MS)	South Africa	29.3833;-22.2000
Shashe [river] (see also: Shashi [river])	Zimbabwe	29.3500;-22.2000
Shashi [river] (see Shashe [river])	Zimbabwe	29.3500;-22.2000
Shashi-Limpopo River confluence	South Africa	29.3667;-22.2000

SE 22029Ba:

Limpopo Valley, Sentinel Ranch (see also: Limpopo Valley, Sentinal Ranch)	Zimbabwe	29.6250;-22.1250
Sentinal Ranch, Limpopo river (see also: Sentinel Ranch)	Zimbabwe	29.5056;-22.1694
Sentinel Ranch (see Sentinal Ranch), Limpopo river; Tongani river	Zimbabwe	29.5056;-22.1694

SE 22029Bb:

Farm 141 MS (River) (see Farm River 141 MS), Soutpansberg	South Africa	29.8786;-22.1992
Farm River 141 MS, Soutpansberg (see also: Farm 141 MS (River), River, Farm 141 MS)	South Africa	29.8786;-22.1992
River, Farm 141 MS (see Farm River 141 MS), Soutpansberg	South Africa	29.8786;-22.1992

SE 22029Ac:

Alldays, 32 km NE (see Farm Hilda [=V.L.NR.])	South Africa	29.2333;-22.3167
Farm Hilda [=V.L.NR.], 32 km NE Alldays (see also: Alldays, 32 km NE, Hilda, Farm [=V.L.NR.])	South Africa	29.2333;-22.3167
Hilda, Farm [=V.L.NR.] (see Farm Hilda [=V.L.NR.]), 32 km NE Alldays	South Africa	29.2333;-22.3167

SE 22029Ad:

Alldays, 32 km NE (see Farm Luna 61MS [=V.L.N.R.])	South Africa	29.3500;-22.3667
Alldays, 32 km NE (see Farm Regina 68 [=V.L.N.R.])	South Africa	29.2700;-22.3800
Farm 61MS (Luna) [=V.L.N.R.] (see Farm Luna 61MS [=V.L.N.R.]), 32 km NE Alldays	South Africa	29.3500;-22.3667
Farm 68 (Regina) [=V.L.N.R.] (see Farm Regina 68 [=V.L.N.R.]), 32 km NE Alldays	South Africa	29.2700;-22.3800
Farm Luna 61MS [=V.L.N.R.], 32 km NE Alldays (see also: Alldays, 32 km NE, Farm 61MS (Luna) [=V.L.N.R.], Luna, Farm 61MS [=V.L.N.R.])	South Africa	29.3500;-22.3667
Farm Regina 68 [=V.L.N.R.], 32 km NE Alldays (see also: Alldays, 32 km NE, Farm 68 (Regina) [=V.L.N.R.], Regina, Farm 68 [=V.L.N.R.])	South Africa	29.2700;-22.3800
Luna, Farm 61MS [=V.L.N.R.] (see Farm Luna 61MS [=V.L.N.R.]), 32 km NE Alldays	South Africa	29.3500;-22.3667
Regina, Farm 68 [=V.L.N.R.] (see Farm Regina 68 [=V.L.N.R.]), 32 km NE Alldays	South Africa	29.2700;-22.3800
Shashe and Limpopo junction (see Vhembi), Messina	South Africa	29.3667;-22.4333
Vhembi, Messina (see also: Shashe and Limpopo junction)	South Africa	29.3667;-22.4333

SE 22029Bc:

Dongolakop, Messina	South Africa	29.6833;-22.2500

SE 22029Bd:

Farm 246 (Lilliput) (see Farm Lilliput 246), 16 km SW Messina	South Africa	29.9333;-22.4667	
Farm Lilliput 246, 16 km SW Messina (see also: Farm 246 (Lilliput), Lilliput, Farm 246, Messina, 16 km SW)	South Africa	29.9333;-22.4667	
Lilliput, Farm 246 (see Farm Lilliput 246), 16 km SW Messina	South Africa	29.9333;-22.4667	
Messina, 16 km SW (see Farm Lilliput 246)	South Africa	29.9333;-22.4667	

SE 22029Ca:

Evergreen, Farm (see Farm Evergreen), Alldays	South Africa	29.1500;-22.6833	
Farm Evergreen, Alldays (see also: Evergreen, Farm)	South Africa	29.1500;-22.6833	

SE 22029Cb:

Brombeek, Farm 271/2 (see Farm Brombeek 271/2)	South Africa	29.4500;-22.5333	
Dirleton, Farm 276 (see Farm Dirleton 276)	South Africa	29.3500;-22.5333	
Farm 271/2 (Brombeek) (see Farm Brombeek 271/2)	South Africa	29.4500;-22.5333	
Farm 276 (Dirleton) (see Farm Dirleton 276)	South Africa	29.3500;-22.5333	
Farm Brombeek 271/2 (see also: Brombeek, Farm 271/2, Farm 271/2 (Brombeek))	South Africa	29.4500;-22.5333	
Farm Dirleton 276 (see also: Dirleton, Farm 276, Farm 276 (Dirleton))	South Africa	29.3500;-22.5333	
Farm Dirleton 276 and Farm Brombeek 271/2, between, Vaalwater; Waterberg	South Africa	29.4167;-22.5333	

SE 22029Da:

Bordeaux, Farm (see Farm Bordeaux), 5 mi E Waterpoort	South Africa	29.6333;-22.6833	
Farm Bordeaux, 5 mi E Waterpoort (see also: Bordeaux, Farm, Waterpoort, 5 mi [=8 km] E)	South Africa	29.6333;-22.6833	
Waterpoort, 5 mi [=8 km] E (see Farm Bordeaux)	South Africa	29.6333;-22.6833	

SE 22029Db:

Mopane (see also: Mopani)	South Africa	29.8500;-22.6000	721 m
Mopani (see Mopane)	South Africa	29.8500;-22.6000	721 m

SE 22029Cc:

Langjan Provincial Nature Reserve, Vivo, 11.2 km N (see also: Vivo, 11.2 km N)	South Africa	29.2000;-22.8300	
Vivo, 11.2 km N (see Langjan Provincial Nature Reserve)	South Africa	29.2000;-22.8300	

SE 22029Dc:

Farm Rochdale, 5 mi E Waterpoort (see also: Rochdale, Farm, Waterpoort, 5 mi [=8 km] E)	South Africa	29.6833;-22.9000	
Rochdale, Farm (see Farm Rochdale), 5 mi E Waterpoort	South Africa	29.6833;-22.9000	
Waterpoort	South Africa	29.6167;-22.9000	
Waterpoort, 5 mi [=8 km] E (see Farm Rochdale)	South Africa	29.6833;-22.9000	

SE 22029Dd:

Eagles Nest Farm, Soutpansberg	South Africa	29.9331;-22.9739	1277 m
Farm 794 (Zwarthoek) (see Farm Zwarthoek 794), Mansfield	South Africa	29.8667;-22.9667	
Farm Nooitgedacht, 20 km from Louis Trichardr (see also: Nooitgedacht, Farm)	South Africa	29.9667;-22.9333	614 m
Farm Zwarthoek 794, Mansfield (see also: Farm 794 (Zwarthoek), Zwarthoek, Farm 794)	South Africa	29.8667;-22.9667	
Nooitgedacht, Farm (see Farm Nooitgedacht)	South Africa	29.9667;-22.9333	614 m

Zwarthoek, Farm 794 (see Farm Zwarthoek 794), Mansfield	South Africa		29.8667;-22.9667	

SE 22030Ac:

Bokveld, Farm (see Farm Bokveld), 20 km E Messina, on Limpopo River	South Africa		30.1833;-22.3167	
Farm Bokveld, 20 km E Messina, on Limpopo River (see also: Bokveld, Farm, Messina, 20 km E)	South Africa		30.1833;-22.3167	
Messina	South Africa		30.0500;-22.3500	530 m
Messina Nature Reserve	South Africa		30.0500;-22.3833	
Messina, 20 km E (see Farm Bokveld)	South Africa		30.1833;-22.3167	
Messina, 4 km E (see Musina, 4 km E)	South Africa		30.0500;-22.3500	
Musina, 4 km E (see also: Messina, 4 km E)	South Africa		30.0500;-22.3500	
Sand River	South Africa		30.0800;-22.4200	

SE 22030Ad:

Farm 23MT (Scrutton) (see Farm Scrutton 23MT), 32 km E Messina	South Africa		30.3500;-22.3500	1450 ft
Farm Scrutton 23MT, 32 km E Messina (see also: Farm 23MT (Scrutton), Messina, 32 km E, Scrutton, Farm 23MT)	South Africa		30.3500;-22.3500	1450 ft
Messina, 32 km E (see Farm Scrutton 23MT)	South Africa		30.3500;-22.3500	1450 ft
Scrutton, Farm 23MT (see Farm Scrutton 23MT), 32 km E Messina	South Africa		30.3500;-22.3500	1450 ft

SE 22030Bc:

Limpopo River	Zimbabwe	ca.	30.6667;-22.3000	

SE 22030Bd:

Madimbo Military area, 98 km E Messina (see also: Messina, 98 km E)	South Africa		30.8667;-22.3000	348 m
Messina, 10 km E (see Mimbo, on Limpopo)	South Africa		30.9667;-22.3333	
Messina, 98 km E (see Madimbo Military area)	South Africa		30.8667;-22.3000	348 m
Mimbo, on Limpopo, 10 km E Messina (see also: Messina, 10 km E)	South Africa		30.9667;-22.3333	

SE 22030Ca:

Chipise (see Tshipise)	South Africa		30.1667;-22.6000	501 m
Chipise, 1 mi [=1.6 km] NE (see Tshipise, 1 mi [=1.6 km] NE)	South Africa	ca.	30.1667;-22.6000	
Tshipise (see also: Chipise)	South Africa		30.1667;-22.6000	501 m
Tshipise, 1 mi [=1.6 km] NE (see also: Chipise, 1 mi [=1.6 km] NE)	South Africa	ca.	30.1667;-22.6000	

SE 22030Cb:

Nwanedi, Messina	South Africa		30.3975;-22.6433	

SE 22030Db:

Levuvhu River	South Africa		30.8800;-22.6600	
Matukwala Dam, 5 km NW Punda Milia (see also: Matukwaladam, Punda Milia, 5 km NW)	South Africa		30.9628;-22.6822	
Matukwaladam (see Matukwala Dam), 5 km NW Punda Milia	South Africa		30.9628;-22.6822	
Matukwale Dam, 5 km NW Punda Maria	South Africa		30.9694;-22.6781	
Motale River, Messina	South Africa		30.8333;-22.5000	
Punda Maria, 5 km NW (see Shashanga windmill)	South Africa		30.9833;-22.6500	
Punda Milia, 5 km NW (see Matukwala Dam)	South Africa		30.9628;-22.6822	
Shashanga windmill, 5 km NW Punda Maria (see also: Punda Maria, 5 km NW)	South Africa		30.9833;-22.6500	

SE 22030Cc:

Huhea cave	South Africa		30.1058;-22.9372	

SE 22030Cd:

Nyellele River, Soutpansberg	South Africa		30.3667;-22.9167	
Sibasa	South Africa		30.4667;-22.9500	748 m
Soutpansberg (see also: Zoutpansberg)	South Africa		30.2500;-22.9800	
Zoutpansberg (see Soutpansberg), 5 km E Louis Trichardt	South Africa		30.2500;-22.9800	

SE 22030Dd:

Mahagala	South Africa		30.8578;-22.7600	

SE 22031Ab:

Malapati Nuanetsi River	Zimbabwe		31.4333;-22.0667	

SE 22031Ac:

Anthrax camp, on Levuvhu river, 3 km W Levuvhu bridge (see also: Levuvhu Bridge, 3 km W)	South Africa		31.2083;-22.4250	
Anthrax Camp, 2 mi W (see North Cave)	South Africa		31.1833;-22.4333	
Baobab Hill, 200 m S, turn off to Machayi Pan	South Africa		31.2069;-22.4947	
Bobomene Research Camp (see also: Bobomeni Research Camp)	South Africa		31.2136;-22.4217	
Bobomeni Research Camp (see Bobomene Research Camp)	South Africa		31.2136;-22.4217	
Chamatema Dam	Zimbabwe	ca.	31.1000;-22.3333	
Chikwarakwara [school] (see also: Chikwarakwara Irrigation Scheme)	Zimbabwe		31.1000;-22.3000	
Chikwarakwara Irrigation Scheme (see Chikwarakwara [school])	Zimbabwe		31.1000;-22.3000	
Fig Tree Camp, Levuvhu River (see also: Fig Tree Forest, Figtree camp, Figtree Forest, Figtree Forest, 4.8 km downstream)	South Africa		31.1972;-22.4306	
Fig Tree Forest (see Fig Tree Camp), Levuvhu River	South Africa		31.1972;-22.4306	
Figtree camp (see Fig Tree Camp), on Levuvhu River	South Africa		31.1972;-22.4306	
Figtree Forest (see Fig Tree Camp), 4.8 km downstram bridge, left hand bank	South Africa		31.1972;-22.4306	
Figtree Forest, 4.8 km downstream (see Fig Tree Camp)	South Africa		31.1972;-22.4306	
Kruger National Park (Limpopo province)	South Africa		31.1833;-22.4333	
Levuhu Hippo pool (see Luvuvhu hippo pool), 2 km NW Simuwana ranger's post, 4 - 5 km W of bridge	South Africa		31.1808;-22.4308	
Levuvhu	South Africa		31.1667;-22.4167	
Levuvhu Bridge	South Africa		31.1833;-22.4167	
Levuvhu Bridge, 3 km W (see Anthrax camp)	South Africa		31.2083;-22.4250	
Levuvhu Hippopool (see Luvuvhu hippo pool), 2 km NW Simuwana Rangers Post, 4 km W Wau West-bridge	South Africa		31.1808;-22.4308	
Levuvhu River, opposite Shilawee stream	South Africa		31.1833;-22.4333	
Limpopo-Levuvhu Rivers confluence	South Africa		31.1800;-22.4100	
Luvuvhu hippo pool, 2 km NW Simuwane Rangers Post, Wau West-bridge; 5 km W of bridge (see also: Levuhu Hippo pool, Levuvhu Hippopool, Simuwana ranger's post, 2 km NW , Wau West Bridge, 4 - 5 km W)	South Africa		31.1808;-22.4308	
Machindzweni	South Africa		31.1911;-22.3567	
Magamba windmill, 18 km SE Punda Maria (see also: Punda Maria, 18 km SE)	South Africa		31.1917;-22.4167	
Manxeba waterhole (see Manxeba windmill)	South Africa		31.2333;-22.4000	
Manxeba windmill (see also: Manxeba waterhole, Maxeba windmill)	South Africa		31.2333;-22.4000	
Matshitshindzudzi	South Africa		31.1747;-22.4544	
Maxeba windmill (see Manxeba windmill)	South Africa		31.2333;-22.4000	
Mutale River	South Africa		31.0833;-22.4500	
New Figtree camp	South Africa		31.1833;-22.4167	
North Cave, near Luvuvhu river, ca. 2 km W Anthrax Camp (see also: Anthrax Camp, 2 mi W)	South Africa		31.1833;-22.4333	
Old Fig Tree Forest (see also: Old Figtree forest)	South Africa		31.1833;-22.4167	
Old Figtree forest (see Old Fig Tree Forest)	South Africa		31.1833;-22.4167	
Old Picnic Site, Luvuvhu River	South Africa		31.2136;-22.4217	
Pafuri	South Africa		31.1100;-22.4100	

Pafuri area	South Africa		31.2083;-22.4250	
Pafuri, Bridge	South Africa		31.1833;-22.4167	
Pafuri, upstream site	South Africa		31.1833;-22.4167	
Punda Maria, 18 km SE (see Magamba windmill)	South Africa		31.1917;-22.4167	
Simuwana	South Africa		31.1833;-22.4333	
Simuwana ranger's post, 2 km NW (see Luvuvhu hippo pool)	South Africa		31.1808;-22.4308	
Wau West Bridge, 4 - 5 km W (see Luvuvhu hippo pool)	South Africa		31.1808;-22.4308	

SE 22031Ad:

Culling camp, on Levuvhu River	South Africa		31.2542;-22.4278	
Gwalali	South Africa		31.3000;-22.4000	219 m
Gwalali Army camp, Limpopo-Levuvhu river confluence	South Africa		31.2833;-22.4000	
Kwalala Police Post	South Africa		31.2986;-22.4206	
Mockford Garden (see also: Mockford's Garden)	South Africa		31.3000;-22.4333	
Mockford's Garden (see Mockford Garden)	South Africa		31.3000;-22.4333	
New Figtree forest	South Africa		31.3000;-22.4167	
Nyala and Main Roads junction	South Africa		31.3000;-22.4167	
Old Culling camp	South Africa		31.2500;-22.4167	
Pafuri area (II)	South Africa		31.3000;-22.4500	
Pafuri area (III)	South Africa		31.2536;-22.4028	
Picnic site	South Africa		31.2500;-22.4167	
Research camp	South Africa		31.3000;-22.4167	
W.N.L.A., Garden; near Luvuvhu and Limpopo confluence (pumphouse) (see also: WNLA Garden (Crooks Corner))	South Africa		31.2533;-22.4028	
WNLA Garden (Crooks Corner) (see W.N.L.A.)	South Africa		31.2533;-22.4028	
WNLA HQ	South Africa	ca.	31.3000;-22.4167	

SE 22031Ca:

Maditobe Dam, 2.5 km NE Punda Maria, Mahogany Drive (see also: Maditobe Witsand Dam, Manditobe dam, Punda Maria, 2.5 km NE, Witsand Dam)	South Africa		31.0333;-22.6833	
Maditobe Pan, 3 km NW Punda Maria (see also: Maditobepan, Punda Maria, 3 km NW)	South Africa		31.0333;-22.6833	
Maditobe Witsand Dam (see Maditobe Dam), 2.5 km NE Punda Maria	South Africa		31.0333;-22.6833	
Maditobepan (see Maditobe Pan), 3 km NW Punda Maria	South Africa		31.0333;-22.6833	
Mahembane, 7 km N Punda Maria (see also: Punda Maria, 7 km N)	South Africa		31.0333;-22.6500	
Mahogany Drive, 2 km N Punda Milia (see also: Punda Milia, 2 km N)	South Africa		31.0186;-22.6767	
Malitube Dam, ca. 2 km N Punda Maria	South Africa		31.0367;-22.6775	
Manditobe dam (see Maditobe Dam), Punda Maria, Mahogany Drive	South Africa		31.0333;-22.6833	
Mashikiri windmill	South Africa		31.1833;-22.5833	
Punda Malia (see Punda Maria)	South Africa		31.0167;-22.6833	580 m
Punda Maliya (see Punda Maria)	South Africa		31.0167;-22.6833	580 m
Punda Maria (see also: Punda Malia, Punda Maliya, Punda Maria Camp, Punda Maria Rest Camp, Punda Maria-ruskamp)	South Africa		31.0167;-22.6833	580 m
Punda Maria Camp (see Punda Maria)	South Africa		31.0167;-22.6833	580 m
Punda Maria camp, 2 km N	South Africa		31.0333;-22.6833	
Punda Maria Rest Camp (see Punda Maria)	South Africa		31.0167;-22.6833	580 m
Punda Maria Shop	South Africa		31.0089;-22.7375	
Punda Maria, 15 km E	South Africa		31.0333;-22.6833	
Punda Maria, 2.5 km NE (see Maditobe Dam), Mahogany Drive	South Africa		31.0333;-22.6833	
Punda Maria, 3 km NW (see Maditobe Pan)	South Africa		31.0333;-22.6833	
Punda Maria, 7 km N (see Mahembane)	South Africa		31.0333;-22.6500	
Punda Maria-ruskamp (see Punda Maria)	South Africa		31.0167;-22.6833	580 m
Punda Milia, near Punda Maria (see also: Punda Milia Camp, Punda Milia Police post, Punda Milia, pumphouse)	South Africa		31.0200;-22.6975	580 m
Punda Milia Camp (see Punda Milia)	South Africa		31.0200;-22.6975	580 m
Punda Milia Police post (see Punda Milia)	South Africa		31.0200;-22.6975	580 m
Punda Milia, 16 km NNE (see Tshalungwa Fountain)	South Africa		31.0728;-22.5489	
Punda Milia, 2 km N (see Mahogany Drive)	South Africa		31.0186;-22.6767	
Punda Milia, pumphouse (see Punda Milia)	South Africa		31.0200;-22.6975	580 m
Shalungwafontein (see Tshalungwa Fountain), 16 km NNE Punda Milia	South Africa		31.0728;-22.5489	

Tshalungwa Fountain, 16 km NNE Punda Maria (see also: Punda Milia, 16 km NNE, Shalungwafontein, Tshalungwafontein)	South Africa		31.0728;-22.5489	
Tshalungwafontein (see Tshalungwa Fountain), 16 km NNE Punda Milia	South Africa		31.0728;-22.5489	
Witsand Dam (see Maditobe Dam), Mahogany Drive	South Africa		31.0333;-22.6833	

SE 22031Cb:

N'Wambiya Pan	South Africa		31.3694;-22.6778	
Shirhombe Pan (see Xirhombe Pan)	South Africa		31.3808;-22.7131	
Shirombe pan	South Africa		31.3833;-22.7167	
Xirhombe Pan (see also: Shirhombe Pan)	South Africa		31.3808;-22.7131	

SE 22031Cc:

Dzundwini, E Punda Milia (see also: Dzunweni Hill, Dzunwini)	South Africa		31.1667;-22.7667	
Dzunweni Hill (see Dzundwini), E Punda Milia	South Africa		31.1667;-22.7667	
Dzunwini (see Dzundwini), E Punda Milia	South Africa		31.1667;-22.7667	
Xitangeni Windmill, Vlakteplaas section	South Africa		31.2403;-22.8272	

SE 22031Cd:

Longtoon dam	South Africa		31.3833;-22.8500	
Shingomeni Out Post, Vlakteplaas area (see also: Xingomeni)	South Africa		31.4053;-22.8958	
Stangene Dam	South Africa		31.2833;-22.8000	
Xingomeni (see Shingomeni Out Post)	South Africa		31.4053;-22.8958	

SE 22032Dd:

Banhine National Park, 45 km SW Magude	Mozambique		32.8052;-22.7559	
Inyoka mountains (see Inhaca Island Research Station), 45 km SW Magude	Mozambique		32.8052;-22.7559	
Magude, 45 km SW (see Inhaca Island Research Station) (see also: Tete, 5 mi [=8 km] W)	Mozambique		32.8052;-22.7559	

SE 22033Dc:

Chigubo Administrative Poste	Mozambique		33.5239;-22.8292	91 m

SE 22035Aa:

Vilanculos district	Mozambique	ca.	35.0000;-22.0000	

SE 22035Ab:

Vilanculos (see Vilankulo)	Mozambique		35.3167;-22.0000	0 m
Vilankulo (see also: Vilanculos, Villacuios)	Mozambique		35.3167;-22.0000	0 m
Villacuios (see Vilankulo)	Mozambique		35.3167;-22.0000	0 m

SE 22035Ac:

Mapinhane	Mozambique		35.0500;-22.3200	

SE 22043Ab:

Befandefa, 8.4 km SSE (see Forêt des Mikea (3))	Madagascar	ca.	43.3639;-22.2322	
Forêt des Mikea (3), 8.4 km SSE Befandefa (see also: Befandefa, 8.4 km SSE, Mikea forest (3))	Madagascar	ca.	43.3639;-22.2322	
Mikea forest (3) (see Forêt des Mikea (3))	Madagascar	ca.	43.3639;-22.2322	

SE 22043Cb:

Andalabezo cave (see Forêt des Mikea (1))	Madagascar		43.3833;-22.5000	15 m
Andalambezo cave (see Forêt des Mikea (1))	Madagascar		43.3833;-22.5000	15 m
Forêt des Mikea (1) (see also: Andalabezo cave, Andalambezo cave, Grotte d'Andalambezo, Mikea Forest (1))	Madagascar		43.3833;-22.5000	15 m

Grotte d'Andalambezo (see Forêt des Mikea (1))	Madagascar		43.3833;-22.5000	15 m
Mikea Forest (1) (see Forêt des Mikea (1))	Madagascar		43.3833;-22.5000	15 m

SE 22043Dc:

Ankilibaka (see Ankililoaka)	Madagascar		43.6158;-22.7675	95 m
Ankililoaka (see also: Ankilibaka)	Madagascar		43.6158;-22.7675	95 m
Ankiloaka, 9.5 km W (see Forêt des Mikea (2))	Madagascar		43.5233;-22.7783	80 m
Forêt des Mikea (2), 9.5 km W Ankiloaka (see also: Ankiloaka, 9.5 km W, Tsifota, 7.5 km NE)	Madagascar		43.5233;-22.7783	80 m
Tsifota, 7.5 km NE (see Forêt des Mikea (2))	Madagascar		43.5233;-22.7783	80 m

SE 22044Dc:

Andranovory forest	Madagascar		44.5333;-22.9833	1647 ft
Forêt de Zombitsy (see Zombitsy forest)	Madagascar		44.7000;-22.7833	
Parc National de Zombitse-Vhibasia (see Zombitse-Vhibasia National Park)	Madagascar		44.6798;-22.8420	
Sakaraha (see also: Sakaray)	Madagascar		44.5333;-22.9000	468 m
Sakaray (see Sakaraha)	Madagascar		44.5333;-22.9000	468 m
Zombitse-Vhibasia National Park (see also: Parc National de Zombitse-Vhibasia)	Madagascar		44.6798;-22.8420	
Zombitsy forest (see also: Forêt de Zombitsy, Zombitsy, Alan'i)	Madagascar		44.7000;-22.7833	
Zombitsy, Alan'i (see Zombitsy forest)	Madagascar		44.7000;-22.7833	

SE 22044Dd:

Maninday, 220 km NE Tulear (see also: Tulear, 220 km NE)	Madagascar		44.8000;-22.7833	604 m
Maninday, near	Madagascar	ca.	44.8000;-22.7833	457 m
Tulear, 220 km NE (see Maninday)	Madagascar		44.8000;-22.7833	604 m

SE 22045Aa:

Betsileo	Madagascar		45.0667;-22.1667	

SE 22045Ad:

Analamangabe	Madagascar		45.3839;-22.4856	
Berenty-Betsileo, 28 km SE	Madagascar		45.2933;-22.3167	550 m
Isalo National Park (see also: Parc National d'Isalo)	Madagascar		45.2619;-22.4644	
Parc National d'Isalo (see Isalo National Park)	Madagascar		45.2619;-22.4644	
Ranohira, 7.8 - 8 km N, just outside Parc National d'Isalo, along Menamaty River, on RN7	Madagascar		45.3917;-22.4856	700 m
Sahanfa River, along	Madagascar	ca.	45.2958;-22.3117	

SE 22045Ca:

Bekapity cave (see Grotte de Bekapity)	Madagascar		45.2181;-22.6333	
Grotte de Bekapity (see also: Bekapity cave)	Madagascar		45.2181;-22.6333	
Ilakaka, E of, 220 km NE Tuléar (see also: Toleara, 220 km NE, Tuléar, 220 km NE)	Madagascar		45.2167;-22.6833	769 m
Toleara, 220 km NE (see Ilakaka, E of)	Madagascar		45.2167;-22.6833	769 m
Tuléar, 220 km NE (see Ilakaka, E of)	Madagascar		45.2167;-22.6833	769 m

SE 22045Cb:

Andranokova (see Canyon des Singes)	Madagascar	ca.	45.4000;-22.5000	
Andranomboalavo	Madagascar	ca.	45.3833;-22.5500	
Canyon des Singes, 2 km W Ranohira bas; Andranokova (see also: Andranokova, Ranohira bas, 2 km W)	Madagascar	ca.	45.4000;-22.5000	
Hotel Jardin du Roi, 10.5 km SW Ranohira (see also: Ranohira, 10.5 km SW)	Madagascar	ca.	45.3189;-22.6456	
Ranohira	Madagascar	ca.	45.4000;-22.5000	ca. 775 m
Ranohira bas, 2 km W (see Canyon des Singes)	Madagascar	ca.	45.4000;-22.5000	
Ranohira, 10.5 km SW (see Hotel Jardin du Roi)	Madagascar	ca.	45.3189;-22.6456	
Ranohira, 3.8 km NW, along Namaza river	Madagascar	ca.	45.3800;-22.5400	

SE 22046Ab:

Zazafotsy	Madagascar		46.3611;-22.2056	

SE 22046Bb:

Ambalavao, 43 km S (see Andringitra National Park)	Madagascar		46.8756;-22.1567	
Andringitra (see Andringitra National Park)	Madagascar		46.8757;-22.1567	
Andringitra National Park, 43 km S Ambalavao (see also: Ambalavao, 43 km S, Andringitra)	Madagascar		46.8757;-22.1567	

SE 22046Ac:

Andranomilitry, cave (see Ihosy (commune rurale)), Ankily	Madagascar		46.0564;-22.3853	950 m
Ankily, W of Ihosy, off RN7	Madagascar		46.0956;-22.3850	
Grotte d'Andranomilitry (see Ihosy (commune rurale)), Ankily	Madagascar		46.0564;-22.3853	950 m
Ihosy (commune rurale), Ankily (see also: Andranomilitry, cave, Grotte d'Andranomilitry)	Madagascar		46.0564;-22.3853	950 m
Ihosy, 30 km N	Madagascar		46.1500;-22.3833	

SE 22046Db:

Andreaba	Madagascar		46.8333;-22.5167	734 m

SE 22047Aa:

Ambavafatra	Madagascar		47.0236;-22.1494	1300 m
Forêt de Manambolo (see also: Manambolo Forest)	Madagascar	ca.	47.0236;-22.1494	
Manambolo Forest (see Forêt de Manambolo)	Madagascar	ca.	47.0236;-22.1494	

SE 22047Ab:

Sahafina	Madagascar		47.4833;-22.2333	

SE 22047Cd:

Vondrozo, cave N of	Madagascar		47.2833;-22.8167	
Vondrozo, near	Madagascar	ca.	47.2833;-22.8167	

SE 23014Ba:

Rooibank, near Sandwich Bay	Namibia		14.6500;-23.1833	148 m

SE 23014Da:

Gobabeb, 19 mi [=30.5 km] (see Swakopmund)	Namibia		14.5333;-23.6833	1 m
Swakopmund, 19 mi from Gobabeb (see also: Gobabeb, 19 mi [=30.5 km])	Namibia		14.5333;-23.6833	1 m

SE 23015Aa:

Namib Desert Park (see also: Namib Woestynpark, Namib-Naukluft Desert Park)	Namibia		15.1667;-23.0833	
Namib Woestynpark (see Namib Desert Park)	Namibia		15.1667;-23.0833	
Namib-Naukluft Desert Park (see Namib Desert Park)	Namibia		15.1667;-23.0833	
Swakopmund district	Namibia		15.0000;-23.0000	

SE 23015Ba:

Ganab water hole	Namibia		15.5333;-23.1167	
Tumasberg	Namibia		15.6250;-23.1250	

SE 23015Bc:

Kuiseb River, Gobabeb	Namibia		15.6667;-23.3667	

SE 23015Ca:

DERU (see Namib Desert Research Station), Gobabeb	Namibia	15.0333;-23.5500	
Gobabeb	Namibia	15.0333;-23.5500	401 m
(see also: Gobabeb Station)			
Gobabeb Station (see Gobabeb), in Villa...	Namibia	15.0333;-23.5500	401 m
Namib Desert Research Station, Gobabeb	Namibia	15.0333;-23.5500	
(see also: DERU)			

SE 23016Da:

Kobos, 38 mi SW Rehoboth	Namibia	16.6667;-23.5833	1622 m
(see also: Rehoboth, 38 mi [=61 km] SW)			
Rehoboth, 38 mi [=61 km] SW (see Kobos)	Namibia	16.6667;-23.5833	1622 m

SE 23017Ba:

Autabib 100	Namibia	17.6833;-23.0000	

SE 23017Ac:

Rehoboth	Namibia	17.0833;-23.3167	1382 m

SE 23018Bc:

Arnhem Cave (Rest Camp)	Namibia	18.5333;-23.4500	

SE 23019Cc:

Gemsbok Pan	Namibia	19.0833;-23.7500	

SE 23024Ad:

Kuke pan	Botswana	24.4500;-23.3167	1000 m
(see also: Kuki)			
Kuki (see Kuke pan)	Botswana	24.4500;-23.3167	1000 m

SE 23026Cd:

Dibete	Botswana	26.4333;-23.7500	

SE 23026Dd:

Mooivlei, Thambazimbi	South Africa	26.9667;-23.8167	

SE 23027Db:

Buren, Farm (see Farm Buren), 128 km NW Ellisras	South Africa	27.8667;-23.6167	
Ellisras, 10 km NE (see Neiman's Farm)	South Africa	27.8170;-23.6330	
Ellisras, 128 km NW (see Farm Buren)	South Africa	27.8667;-23.6167	
Farm Buren, 128 km NW Ellisras	South Africa	27.8667;-23.6167	
(see also: Buren, Farm, Ellisras, 128 km NW)			
Neiman's Farm	South Africa	27.8170;-23.6330	
(see also: Ellisras, 10 km NE)			

SE 23027Dc:

Ellisras, 10 km NE (see Farm Tambotiekloof 601)	South Africa	27.6833;-23.9000	
Farm 601 (Tambotiekloof) (see Farm Tambotiekloof 601), 10 km NE Ellisras	South Africa	27.6833;-23.9000	
Farm Tambotiekloof 601, 10 km NE Ellisras	South Africa	27.6833;-23.9000	
(see also: Ellisras, 10 km NE, Farm 601 (Tambotiekloof), Farm Tambotieskloof 601, Tambotiekloof, Farm 601, Tambotieskloof, Farm 601)			
Farm Tambotieskloof 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	South Africa	27.6833;-23.9000	
Tambotiekloof, Farm 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	South Africa	27.6833;-23.9000	
Tambotieskloof, Farm 601 (see Farm Tambotiekloof 601), 10 km NE Ellisras	South Africa	27.6833;-23.9000	

SE 23027Dd:

D'Nyala Provincial Nature Reserve, 11 km SE Ellisras (see also: Ellisras, 11 km SE)	South Africa	27.8000;-23.7500
Ellisras, 11 km SE (see D'Nyala Provincial Nature Reserve)	South Africa	27.8000;-23.7500
Huwi Private Nature Reserve	South Africa	27.8333;-23.7500

SE 23028Ab:

Sandspruit cave 2, NW of	South Africa	28.4000;-23.1333

SE 23028Ba:

Potgietersrus, 20 km N (see Wonderkop Nature Reserve)	South Africa	28.6583;-23.2139
Wonderkop Nature Reserve, 20 km N Potgietersrus (see also: Potgietersrus, 20 km N)	South Africa	28.6583;-23.2139

SE 23028Bc:

Farm 343 (Nicorel) (see Farm Nicorel 343), 18 km N Steilloop(burg)	South Africa	28.6100;-23.2600
Farm Nicorel 343, 18 km N Steilloop(burg) (see also: Farm 343 (Nicorel), Nicorel, Farm 343, Steilloop, 18 km N, Steilloopburg, 18 km N)	South Africa	28.6100;-23.2600
Nicorel, Farm 343 (see Farm Nicorel 343), 18 km N Steilloop(burg)	South Africa	28.6100;-23.2600
Steilloop, 18 km N (see Farm Nicorel 343)	South Africa	28.6100;-23.2600
Steilloopburg, 18 km N (see Farm Nicorel 343)	South Africa	28.6100;-23.2600

SE 23028Cb:

Farm 449 (Welgevonden) (see Farm Welgevonden 449), 16 km W Steilloop(burg)	South Africa	28.4333;-23.5333
Farm Welgevonden 449, 16 km W Steilloop(burg), Levubu Valley; 20 km on road from Louis Trichardt to Thohoyandou (see also: Farm 449 (Welgevonden), Louis Trichardt to Thohoyandou, km 20 on road, Steilloop, 16 km SW, Steilloopburg, 16 km SW, Welgevonden, Farm 449)	South Africa	28.4333;-23.5333
Louis Trichardt to Thohoyandou, km 20 on road (see Farm Welgevonden 449)	South Africa	28.4333;-23.5333
Steilloop, 16 km SW (see Farm Welgevonden 449)	South Africa	28.4333;-23.5333
Steilloopburg, 16 km SW (see Farm Welgevonden 449)	South Africa	28.4333;-23.5333
Welgevonden, Farm 449 (see Farm Welgevonden 449), 16 km W Steilloop(burg)	South Africa	28.4333;-23.5333

SE 23028Cc:

Farm 608 (New Belgium) (see Farm New Belgium 608), 65 km N Vaalwater	South Africa	28.1333;-23.8833
Farm New Belgium 608, 65 km N Vaalwater (see also: Farm 608 (New Belgium), New Belgium, Farm 608, RR Ranch)	South Africa	28.1333;-23.8833
Lapalala Wilderness area, 65 km N Vaalwater; Waterberg (see also: Vaalwater, 65 km N)	South Africa	28.1500;-23.8500
New Belgium, Farm 608 (see Farm New Belgium 608), 65 km N Vaalwater	South Africa	28.1333;-23.8833
RR Ranch (see Farm New Belgium 608), 65 km N Vaalwater	South Africa	28.1333;-23.8833
Vaalwater, 65 km N (see Lapalala Wilderness area)	South Africa	28.1500;-23.8500
Weltevreden Research Station, 65 km N Vaalwater	South Africa	28.1500;-23.8667

SE 23028Cd:

Dordrecht, Farm (see Farm Dordrecht), 20 km S Marken	South Africa	28.3667;-23.8333
Dubbelwater, Farm (see Farm Dubbelwater), 65 km N Vaalwater	South Africa	28.2667;-23.8167
Farm Dordrecht, 20 km S Marken (see also: Dordrecht, Farm, Marken, 20 km S)	South Africa	28.3667;-23.8333
Farm Dubbelwater, 65 km N Vaalwater (see also: Dubbelwater, Farm)	South Africa	28.2667;-23.8167

Marken, 20 km S (see Farm Dordrecht)	South Africa		28.3667;-23.8333	
Palala-Koedoesloop Rivers confluence, 65 km N Vaalwater	South Africa		28.2500;-23.8000	
Vaalwater, 65 km N	South Africa		28.2500;-23.8000	

SE 23029Aa:

Blouberg Private Nature Reserve (see Farm Urk 10), 13 km W Vivo, Blouberg Krans	South Africa		29.1333;-23.0333	854 m
Farm 10, Urk (see Farm Urk 10), 13 km W Vivo	South Africa		29.1333;-23.0333	854 m
Farm Urk 10, 13 km W Vivo (see also: Blouberg Private Nature Reserve, Farm 10, Urk, Urk, Farm 10, Vivo, 13 km W)	South Africa		29.1333;-23.0333	854 m
Urk, Farm 10 (see Farm Urk 10), 13 km W Vivo	South Africa		29.1333;-23.0333	854 m
Vivo, 13 km W (see Farm Urk 10)	South Africa		29.1333;-23.0333	854 m

SE 23029Ab:

Berg Plants Farm (see Farm Berg Plants)	South Africa		29.4467;-23.0483	
Farm Berg Plants, W Soutpansberg (see also: Berg Plants Farm)	South Africa		29.4467;-23.0483	
Farm Kudus Vlei, 60 km W Louis Trichard (see also: Kudus Vlei Farm, Louis Trichardt, 60 km W)	South Africa		29.4872;-23.0539	956 m
Kudus Vlei Farm (see Farm Kudus Vlei)	South Africa		29.4872;-23.0539	956 m
Lajuma (see also: Lajuma bridge, Lajuma Forest Lodge, Lajuma wetland, Lajuma Wilderness Camp)	South Africa		29.4428;-23.0383	1086 m
Lajuma bridge (see Lajuma)	South Africa		29.4428;-23.0383	1168 m
Lajuma Forest Lodge (see Lajuma)	South Africa		29.4428;-23.0383	1086 m
Lajuma Mountain Reserve	South Africa		29.2644;-23.0228	
Lajuma Research Center	South Africa		29.4400;-23.0400	1270 m
Lajuma wetland (see Lajuma)	South Africa		29.4428;-23.0383	1334 m
Lajuma Wilderness Camp (see Lajuma)	South Africa		29.4428;-23.0383	1086 m
Louis Trichardt, 60 km W (see Farm Kudus Vlei)	South Africa		29.4872;-23.0539	956 m
Luvhondo Private Nature Reserve	South Africa		29.4400;-23.0400	1270 m

SE 23029Bb:

Black Eagle Lodge	South Africa		29.7636;-23.0108	1350 m
Buzzard Mountain Retreat, 16 km NW Louis Trichardt (see also: Buzzard Mountain Sanctuary, Louis Trichardt, 16 km NW)	South Africa		29.7667;-23.0333	
Buzzard Mountain Sanctuary (see Buzzard Mountain Retreat), 16 km NW Louis Trichardt, Soutpansberg	South Africa		29.7667;-23.0333	
Crowned Eagle Lodge, below	South Africa		29.7633;-23.0111	1374 m
Farm 245LS (Sarum) (see Farm Sarum 245LS), 16 km NW Louis Trichardt; Buzzard Mountain Retreat	South Africa		29.7667;-23.0333	
Farm Sarum 245LS, 16 km NW Louis Trichardt; Buzzard Mountain Retreat (see also: Farm 245LS (Sarum), Sarum, Farm 245LS)	South Africa		29.7667;-23.0333	
Hillside Farm	South Africa		29.7872;-23.0164	1190 m
Kabbefontein (see Krabbefontein), Soutpansberg	South Africa	ca.	29.9000;-23.0500	
Krabbefontein, Soutpansberg (see also: Kabbefontein)	South Africa	ca.	29.9000;-23.0500	
Louis Trichardt	South Africa		29.9033;-23.0439	
Louis Trichardt Road, Polokwane [=Pietersburg], 40 - 46 km N (see also: Pietersburg, 40 - 46 km N, Polokwane, 40 - 46 km N)	South Africa		29.9000;-23.0500	954 m
Louis Trichardt, 16 km NW (see Buzzard Mountain Retreat)	South Africa		29.7667;-23.0333	
Louis Trichardt, 5 km E	South Africa	ca.	29.9619;-23.0389	
Pietersburg, 40 - 46 km N (see Louis Trichardt Road)	South Africa		29.9000;-23.0500	954 m
Polokwane, 40 - 46 km N (see Louis Trichardt Road)	South Africa		29.9000;-23.0500	954 m
Rudyard Cottage, Buzzard Mountain Retreat	South Africa		29.7669;-23.0264	987 m
Sarum, Farm 245LS (see Farm Sarum 245LS), 16 km NW Louis Trichardt; Buzzard Mountain Retreat	South Africa		29.7667;-23.0333	

SE 23029Bd:

Bandolierskop, 5 km N (see Blydschap), Pietersburg district	South Africa		29.7667;-23.2667	

Blijdschap Private Nature Reserve (see Blydschap), Pietersburg district, 5 km N Bandolierskop	South Africa		29.7667;-23.2667	
Blydschap, Pietersburg district, 5 km N Bandolierskop (see also: Bandolierskop, 5 km N, Blijdschap Private Nature Reserve)	South Africa		29.7667;-23.2667	
Pietersburg, 5 km S (see Soekmekaar)	South Africa		29.9333;-23.4833	1193 m
Soekmekaar, 5 km S Pietersburg (see also: Pietersburg, 5 km S, Zoekmakaar, Zoekmekaar)	South Africa		29.9333;-23.4833	1193 m
Zoekmakaar (see Soekmekaar), 5 km S Pietersburg	South Africa		29.9333;-23.4833	1193 m
Zoekmekaar (see Soekmekaar), 5 km S Pietersburg	South Africa		29.9333;-23.4833	1193 m

SE 23029Da:

Pietersburg, 40 km N (see Polokwane, 40 km N), on Louis Trichard Road	South Africa		29.6667;-23.6000	
Polokwane, 40 km N, on Louis Trichard Road (see also: Pietersburg, 40 km N)	South Africa		29.6667;-23.6000	

SE 23029Cd:

Pietersburg (see Polokwane)	South Africa		29.4500;-23.9000	1281 m
Pietersburg, farm near	South Africa	ca.	29.4500;-23.9000	
Polokwane (see also: Pietersburg)	South Africa		29.4500;-23.9000	1281 m

SE 23029Dd:

Farm Goodhope, near Haenertsburg (see also: Goodhope, Farm)	South Africa		29.9000;-23.9500	1500 m
Goodhope, Farm (see Farm Goodhope)	South Africa		29.9000;-23.9500	1500 m
Haenersburg (see Haenertsburg), Georges valley	South Africa		29.9500;-23.9333	1461 m
Haenertsburg, Georges valley (see also: Haenersburg)	South Africa		29.9500;-23.9333	1461 m
Hautbosdorp, 2 mi [=3.2 km] E (see Houtbosdorp, 2 mi [=3.2 km] E)	South Africa	ca.	29.8998;-23.8153	
Houtboschdorp, 2 mi [=3.2 km] E (see Houtbosdorp, 2 mi [=3.2 km] E)	South Africa	ca.	29.8998;-23.8153	
Houtbosdorp, 2 mi [=3.2 km] E (see also: Hautbosdorp, 2 mi [=3.2 km] E, Houtboschdorp, 2 mi [=3.2 km] E)	South Africa	ca.	29.8998;-23.8153	

SE 23030Aa:

Elim, Gazankulu (see also: Elim Hospital)	South Africa		30.0667;-23.1500	784 m
Elim Hospital (see Elim), Gazankulu	South Africa		30.0667;-23.1500	784 m
Entabeni State Forest, Soutpansberg, 30 km E Louis Trichardt	South Africa		30.1925;-23.0353	
Farm Welgevonden, 20 km on road from Louis Trichardt to Thohoyandou	South Africa	ca.	30.0925;-23.0789	

SE 23030Ab:

Klein Letaba, 14 km W	South Africa	ca.	30.4167;-23.1333	
Klein-Letaba	South Africa		30.4500;-23.1333	670 m
Lanner Gorge cave, on Levuvhu River	South Africa		30.3667;-23.1167	

SE 23030Ca:

Duivelskloof (see Duiwelskloof)	South Africa		30.1333;-23.7000	
Duiwelskloof (see also: Duivelskloof, Duwelskloof)	South Africa		30.1333;-23.7000	
Duiwelskloof, Farm 376 (see Farm Duiwelskloof 376), Tzaneen	South Africa		30.1333;-23.7000	
Duwelskloof (see Duiwelskloof)	South Africa		30.1333;-23.7000	
Farm 376 (Duiwelskloof) (see Farm Duiwelskloof 376), Tzaneen	South Africa		30.1333;-23.7000	
Farm 376 (Mokeetsi) (see Farm Duiwelskloof 376), Tzaneen	South Africa		30.1333;-23.7000	
Farm 376 (Nakaetsi) (see Farm Nakaetsi 376), Tzaneen district, Zoutpansberg	South Africa		30.0833;-23.6667	

Farm Duiwelskloof 376, Tzaneen (see also: Duiwelskloof, Farm 376, Farm 376 (Duiwelskloof), Farm 376 (Mokeetsi), Farm Mokeetsi 376, Mokeetsi, Farm 376)	South Africa		30.1333;-23.7000	
Farm Mokeetsi, Letaba-Tzaneen (see also: Moeketsi, Mokeetsi, Farm, Moketsi, Mooketsi)	South Africa		30.0833;-23.5833	
Farm Mokeetsi 376 (see Farm Duiwelskloof 376), Tzaneen	South Africa		30.1333;-23.7000	
Farm Nakaetsi 376, Tzaneen district, Zoutpansberg (see also: Farm 376 (Nakaetsi), Nakaetsi, Farm 376)	South Africa		30.0833;-23.6667	
Farm Narina, 8 km E Letaba-Duiwelskloof (see also: Letaba-Duiwelskloof, 8 km E, Malta, Farm, Narina, Farm)	South Africa		30.2333;-23.7000	
Letaba-Duiwelskloof, 8 km E (see Farm Narina)	South Africa		30.2333;-23.7000	
Moeketsi (see Farm Mokeetsi)	South Africa		30.0833;-23.5833	
Mokeetsi, Farm (see Farm Mokeetsi), Letaba-Tzaneen	South Africa		30.0833;-23.5833	
Mokeetsi, Farm 376 (see Farm Duiwelskloof 376), Tzaneen	South Africa		30.1333;-23.7000	
Moketsi (see Farm Mokeetsi)	South Africa		30.0833;-23.5833	
Mooketsi (see Farm Mokeetsi)	South Africa		30.0833;-23.5833	
Nakaetsi, Farm 376 (see Farm Nakaetsi 376), Tzaneen district, Zoutpansberg	South Africa		30.0833;-23.6667	
Narina, Farm (see Farm Narina), 8 km E Letaba-Duiwelskloof	South Africa		30.2333;-23.7000	

SE 23030Cb:

Duiwelskloof, 8 km E (see Farm Naerina)	South Africa		30.2667;-23.7000	
Farm Naerina, 8 km E Duiwelskloof (see also: Duiwelskloof, 8 km E, Naerina, Farm)	South Africa		30.2667;-23.7000	
Naerina, Farm (see Farm Naerina), 8 km E Duiwelskloof	South Africa		30.2667;-23.7000	

SE 23030Da:

Hans Merensky Nature Reserve, Giyani (see also: Hans Merensky Naturreservaat, Letsitele, 30 km NE)	South Africa		30.6833;-23.6833	
Hans Merensky Naturreservaat (see Hans Merensky Nature Reserve), Giyani	South Africa		30.6833;-23.6833	
Letsitele, 30 km NE (see Hans Merensky Nature Reserve)	South Africa		30.6833;-23.6833	

SE 23030Cc:

Birthday Goldmine (see Tzaneen), Tzaneen	South Africa		30.1667;-23.8333	742 m
De Hoek Forest Station (see De Hoek Staatsbos), Tzaneen, 15 km W	South Africa		30.0481;-23.8269	4500 ft
De Hoek Staatsbos, Tzaneen, 15 km W (see also: De Hoek Forest Station, De Hoekbosreservaat, Letaba, 15 km W, Tzaneen, 15 km W)	South Africa		30.0481;-23.8269	4500 ft
De Hoekbosreservaat (see De Hoek Staatsbos), Tzaneen, 15 km W	South Africa		30.0481;-23.8269	4500 ft
Ledzee Estates, Letaba-Tzaneen	South Africa		30.2333;-23.8500	
Letaba, 15 km W (see De Hoek Staatsbos)	South Africa		30.0481;-23.8269	4500 ft
Magoeskloof, Tzaneen	South Africa		30.1667;-23.8333	
Tzaneen (see also: Birthday Goldmine)	South Africa		30.1667;-23.8333	742 m
Tzaneen Estate (see Tzaneen Governamental Estate), Letaba-Tzaneen	South Africa		30.1667;-23.8000	
Tzaneen Governamental Estate (see also: Tzaneen Estate, Tzaneen Government Estate)	South Africa		30.1667;-23.8000	
Tzaneen Government Estate (see Tzaneen Governamental Estate)	South Africa		30.1667;-23.8000	
Tzaneen, 15 km W (see De Hoek Staatsbos)	South Africa		30.0481;-23.8269	4500 ft
Tzaneen, 6 mi [=9.7 km] NE	South Africa	ca.	30.1667;-23.8333	

SE 23030Cd:

Letsitele, Groot Letaba river	South Africa		30.3881;-23.8889	557 m

SE 23030Dc:

Gravelotte Mine, Phalaborwa / Letaba	South Africa		30.6167;-23.9500	
Griffin mine, Phalaborwa-Leydsdorp	South Africa		30.5167;-23.9833	
Leydsdorp	South Africa		30.5333;-23.9833	831 m

SE 23031Aa:

Malensons Shingwidzi Game Reserve (see Shingwidzi Game Reserve)	South Africa		31.2333;-23.1833	
Shingwidzi Game Reserve (see also: Malensons Shingwidzi Game Reserve)	South Africa		31.2333;-23.1833	

SE 23031Ab:

Shingwedzi (see Shingwidzi)	South Africa		31.4361;-23.1089	
Shingwedzi camp (see Shingwidzi)	South Africa		31.4361;-23.1089	
Shingwedzi Rest Camp (see Shingwidzi)	South Africa		31.4361;-23.1089	
Shingwedzi Ruskamp (see Shingwidzi)	South Africa		31.4361;-23.1089	
Shingwidzi (see also: Shingwedzi, Shingwedzi camp, Shingwedzi Rest Camp, Shingwedzi Ruskamp, Xingwedzi Rest Camp)	South Africa		31.4361;-23.1089	
Xingwedzi Rest Camp (see Shingwidzi)	South Africa		31.4361;-23.1089	

SE 23031Ac:

Byaxixi, near Matiyotshwuka	South Africa		31.1675;-23.3728	

SE 23031Ad:

N'Wambu Windmill	South Africa		31.3189;-23.3694	

SE 23031Bc:

Shilouwan (see Shilowa), 40 km S Shingwidzi	South Africa		31.5500;-23.4500	397 m
Shilowa, 40 km S Shingwidzi (see also: Shilouwan, Shingwidzi, 40 km S)	South Africa		31.5500;-23.4500	397 m
Shingwidzi, 40 km S (see Shilowa)	South Africa		31.5500;-23.4500	397 m

SE 23031Ca:

Klein Letaba (river)	South Africa	ca.	31.1450;-23.6481	
Letaba Ranch, 40 km N Phalaborwa, Sabi river (see also: Phalaborwa, 40 km N)	South Africa		31.0889;-23.6122	
Mahlangeni	South Africa		31.1464;-23.6472	
Phalaborwa, 40 km N (see Letaba Ranch)	South Africa		31.0889;-23.6122	

SE 23031Cc:

Erfplaas windmill, 12 km E Phalaborwa gate	South Africa		31.1167;-23.9500	
Phalaborwa Staff Village	South Africa		31.1622;-23.9383	
Phalaborwa, 12 km E	South Africa		31.1167;-23.9500	

SE 23031Dc:

Hlanganini dam (see Nhlanganini dam), 11 km SW Letaba	South Africa		31.5181;-23.9217	
Letaba (see also: Letaba Camp, Letaba Rest Camp, Letaba-rustkamp)	South Africa		31.5714;-23.8544	
Letaba Camp (see Letaba)	South Africa		31.5714;-23.8544	
Letaba Camp, 1 km SE (see Letaba Rest Camp, 1 km SE)	South Africa		31.5797;-23.8619	
Letaba highwater bridge, 4 km NNE Letaba Rest Camp (see also: Letaba Rest Camp, 4 km NNE)	South Africa		31.5822;-23.8111	
Letaba Rest Camp (see Letaba)	South Africa		31.5714;-23.8544	
Letaba Rest Camp, 1 km SE (see also: Letaba Camp, 1 km SE)	South Africa		31.5797;-23.8619	
Letaba Rest Camp, 4 km NNE (see Letaba highwater bridge)	South Africa		31.5822;-23.8111	

Letaba Rest Camp, 8 km SE (see also: Letaba, 8 km SE)	South Africa		31.6269;-23.9094	
Letaba, 11 km SW (see Nhlanganini dam)	South Africa		31.5181;-23.9217	
Letaba, 5 km E	South Africa	ca.	31.6344;-23.8536	
Letaba, 8 km SE (see Letaba Rest Camp, 8 km SE)	South Africa		31.6269;-23.9094	
Letaba-rustkamp (see Letaba)	South Africa		31.5714;-23.8544	
Nhlanganindam (see Nhlanganini dam), 11 km SW Letaba	South Africa		31.5181;-23.9217	
Nhlanganini dam, 11 km SW Letaba (see also: Hlanganini dam, Letaba, 11 km SW, Nhlanganindam)	South Africa		31.5181;-23.9217	

SE 23031Dd:

Farm Malata (see also: Malata, Farm)	South Africa		31.8333;-23.9833	
Gorge Rest Camp	South Africa		31.8233;-23.9989	
Lebombo Ironwood forest, 2 km E Letaba Olifants confluence (see also: Letaba Olifants confluence, 2 km E)	South Africa		31.8333;-23.9833	
Letaba Olifants confluence, 2 km E (see Lebombo Ironwood forest)	South Africa		31.8333;-23.9833	
Letaba-Olifants confluence, 2 km E	South Africa		31.8333;-23.9833	
Makalali	South Africa		31.8333;-23.9833	
Malata, Farm (see Farm Malata)	South Africa		31.8333;-23.9833	

SE 23032Ab:

Mepuze	Mozambique		32.4986;-23.2053	

SE 23032Ad:

Mazambo	Mozambique		32.3667;-23.3833	
Mzambo, lower Limpopo River	Mozambique		32.3667;-23.3833	

SE 23035Ab:

Rio das Pedras	Mozambique		35.4167;-23.1333	

SE 23035Ad:

Massinga	Mozambique		35.3830;-23.3170	
Massinga, 2 km N	Mozambique		35.3667;-23.3333	
Massinga, 2 km S	Mozambique		35.4000;-23.3333	

SE 23035Cb:

Cabo Guja (see also: Guja, Guya)	Mozambique		35.3494;-23.7411	68 m
Guja (see Cabo Guja)	Mozambique		35.3494;-23.7411	68 m
Guya (see Cabo Guja)	Mozambique		35.3494;-23.7411	68 m
Mongué Misison	Mozambique		35.3719;-23.6925	

SE 23035Cd:

Inhambane	Mozambique		35.3833;-23.8650	1 m

SE 23043Ba:

Ranobe	Madagascar		43.6094;-23.0094	

SE 23043Bc:

Fiherenana River, lower valley, near Tulear	Madagascar		43.6183;-23.3164	
near… St	Madagascar		43.7000;-23.3667	
Toliara (see also: Toliary, Tuléar, Tullear)	Madagascar		43.6667;-23.3500	20 m
Toliara, E of	Madagascar	ca.	43.6667;-23.3500	
Toliary (see Toliara)	Madagascar		43.6667;-23.3500	20 m
Tuléar (see Toliara)	Madagascar		43.6667;-23.3500	20 m
Tuléar airport	Madagascar		43.7167;-23.3833	
Tulear region	Madagascar	ca.	43.6667;-23.3500	
Tullear (see Toliara)	Madagascar		43.6667;-23.3500	20 m

SE 23043Bd:

Ambohimahavelona	Madagascar		43.9000;-23.4333	
Andranohinalahy (see Andranohinaly)	Madagascar		43.9833;-23.2833	301 m
Andranohinaly (see also: Andranohinalahy)	Madagascar		43.9833;-23.2833	301 m
Bat/maki cave (see Grotte des chauves-souris/makis)	Madagascar		43.7706;-23.4722	
Grotte des chauves-souris/makis, near Hotel la Mangrove, on Toliara-St. Augustin road (see also: Bat/maki cave)	Madagascar		43.7706;-23.4722	

SE 23043Da:

Grotte de Sarodrano (see Sarodrano cave)	Madagascar		43.7354;-23.5104	
Grotte de Sarondrana (see Sarodrano cave)	Madagascar		43.7354;-23.5104	
Mozambique Channel at N end of St. Augustin Bay	Madagascar		43.6500;-23.6000	
Sarodrano	Madagascar		43.7354;-23.5104	0 m
Sarodrano cave (see also: Grotte de Sarodrano, Grotte de Sarondrana, Sarondrana cave)	Madagascar		43.7354;-23.5104	
Sarondrana cave (see Sarodrano cave)	Madagascar		43.7354;-23.5104	

SE 23043Db:

Ambanilia cave (see Grotte d'Ambanilia)	Madagascar		43.7670;-23.5400	
Bishiko cave (see Grotte de Tanambao)	Madagascar		43.7675;-23.5489	10 m
Bisihiko cave (see Grotte de Tanambao), 0.75 km E St. Augustin	Madagascar		43.7675;-23.5489	10 m
Grotte d'Ambanilia, 3.7 km SSE Sarodrano (see also: Ambanilia cave, Sarodrano, 3.7 km SSE)	Madagascar		43.7670;-23.5400	
Grotte de Bishiko (see Grotte de Tanambao), 0.75 km E St. Augustin	Madagascar		43.7675;-23.5489	10 m
Grotte de Bisihiko (see Grotte de Tanambao)	Madagascar		43.7675;-23.5489	10 m
Grotte de Tanambao, 0.75 km E St. Augustin (see also: Bishiko cave, Bisihiko cave, Grotte de Bishiko, Grotte de Bisihiko, Saint-Augustin, 0.75 km E, St. Augustin, 0.75 km E, Tanambao cave)	Madagascar		43.7675;-23.5489	10 m
Grottes de Saint-Augustin (see Saint-Augustin caves)	Madagascar		43.7667;-23.5500	125 m
Ianantsony, 17 mi [=27 km] S Tulear (see also: Saint-Augustin)	Madagascar		43.7667;-23.5500	125 m
Saint-Augustin (see Ianantsony)	Madagascar		43.7667;-23.5500	125 m
Saint-Augustin caves (see also: Grottes de Saint-Augustin)	Madagascar		43.7667;-23.5500	125 m
Saint-Augustin, 0.75 km E (see Grotte de Tanambao)	Madagascar		43.7675;-23.5489	10 m
Sainte Augustin (see Rogez, near)	Madagascar		43.7667;-23.5500	125 m
Sarodrano, 3.7 km SSE (see Grotte d'Ambanilia)	Madagascar		43.7670;-23.5400	
St. Augustin, 0.75 km E (see Grotte de Tanambao)	Madagascar		43.7675;-23.5489	10 m
Tanambao cave (see Grotte de Tanambao), 0.75 km E St Augustin	Madagascar		43.7675;-23.5489	10 m
Tulear, 17 mi [=27 km] S (see Rogez, near)	Madagascar		43.7667;-23.5500	125 m

SE 23044Ca:

Sept Lacs	Madagascar		44.1431;-23.5208	ca. 110 m

SE 23044Cb:

Betioky Sud	Madagascar		44.3836;-23.7197	

SE 23044Da:

Tabulayi to Ankazoabo	Madagascar	ca.	44.5000;-23.5000	

SE 23046Ac:

Betroka	Madagascar		46.0917;-23.2639	800 m

SE 23046Dd:

Befotaka	Madagascar		46.9700;-23.8300	800 m

SE 23047Ca:

Ambatobe, W slope mount, 1.2 km ENE Ampatramary, 9.5 km NE Midongy su Sud (see also: Ampatramary, 1.2 km ENE and Midongy su Sud, 9.5 km NE)	Madagascar	47.0500;-23.5002	650 m
Ampatramary, 1.2 km ENE and Midongy su Sud, 9.5 km NE (see Ambatobe, W slope mount)	Madagascar	47.0500;-23.5002	650 m

SE 24015Bd:

Felseneck/Naukluft	Namibia	15.9500;-24.3667	

SE 24016Aa:

Naukluft Mountain Zebra Park (see also: Naukluft National Park)	Namibia	16.2167;-24.2167	
Naukluft National Park (see Naukluft Mountain Zebra Park)	Namibia	16.2167;-24.2167	

SE 24016Ac:

De Valle, 40 km N Felseneck	Namibia	16.0000;-24.3000	
Felseneck, 40 km N	Namibia	16.0000;-24.3000	

SE 24016Cd:

Farm Zwartmodder 101, 70 km W Maltahohe (see also: Maltahohe, 70 km W)	Namibia	16.2833;-24.9000	
Maltahohe, 70 km W (see Farm Zwartmodder 101)	Namibia	16.2833;-24.9000	
Zwartmodder 101, Maltahöhe	Namibia	16.2833;-24.9000	

SE 24017Db:

Marienthal	Namibia	17.9667;-24.6333	1114 m

SE 24021Bb:

Tsane (see Tshane), Camp 8	Botswana	21.8333;-24.0167	1122 m
Tshane, Camp 8 (see also: Tsane)	Botswana	21.8333;-24.0167	1122 m

SE 24022Aa:

Tsane, 25 mi [=40 km] ENE	Botswana	22.2330;-24.0000	

SE 24024Dc:

Digomo De Kai	Botswana	24.5170;-24.8670	

SE 24025Aa:

Lethlakeng, Tshana (see also: Lethlaking)	Botswana	25.0500;-24.0833	1056 m
Lethlakeng, 11 mi [=17.7 km] SE, Tshana	Botswana	25.1667;-24.2167	
Lethlaking (see Lethlakeng), Tshana	Botswana	25.0500;-24.0833	1056 m

SE 24025Bc:

Livingstone Cave	Botswana	25.5000;-24.2500	
Molepolole	Botswana	25.5167;-24.4000	1189 m

SE 24025Db:

Gaberones Village, 5 mi [=8 km] W (see Gaborone, 5 mi [=8 km] W)	Botswana	ca.	25.9000;-24.6500	
Gaberones, 5 mi [=8 km] W (see Gaborone, 5 mi [=8 km] W)	Botswana	ca.	25.9000;-24.6500	
Gaborone, 5 mi [=8 km] W (see also: Gaberones Village, 5 mi [=8 km] W, Gaberones, 5 mi [=8 km] W)	Botswana	ca.	25.9000;-24.6500	

SE 24025Cd:

Kanye, near Lobatse (see also: Kaoye)	Botswana	25.3167;-24.9833	1306 m
Kaoye (see Kanye), Lobatsi district	Botswana	25.3167;-24.9833	1306 m

SE 24025Dd:

Farm 6 (Secheili's Oude Stad) (see Farm Secheili's Oude Stad 6), Zeerust	South Africa	25.9667;-24.8833
Farm Secheili's Oude Stad 6, Zeerust (see also: Farm 6 (Secheili's Oude Stad), Secheili's Oude Stad, Farm 6)	South Africa	25.9667;-24.8833
Secheili's Oude Stad, Farm 6 (see Farm Secheili's Oude Stad 6), Zeerust	South Africa	25.9667;-24.8833

SE 24026Ab:

Artesia (see Mosomane)	Botswana	26.2500;-24.0667
Mosomane (see also: Artesia)	Botswana	26.2500;-24.0667

SE 24026Cb:

Derdepoort, 8 km S (see Farm Mooigenoeg 83)	South Africa	26.3333;-24.6667
Farm 83 (Mooigenoeg) (see Farm Mooigenoeg 83), 8 km S Derdepoort	South Africa	26.3333;-24.6667
Farm Mooigenoeg 83, 8 km S Derdepoort (see also: Derdepoort, 8 km S, Farm 83 (Mooigenoeg), Mooigenoeg, Farm 83)	South Africa	26.3333;-24.6667
Mooigenoeg, Farm 83 (see Farm Mooigenoeg 83), 8 km S Derdepoort	South Africa	26.3333;-24.6667

SE 24026Cd:

Derdepoort, 18 km SSE (see Farm Mooiplaas 94)	South Africa	26.4167;-24.7500
Farm 111KP (Kalkfontein) (see Madikwe Game Reserve)	South Africa	26.3710;-24.7662
Farm 94 (Mooiplaas) (see Farm Mooiplaas 94), 18 km SSE Derdepoort	South Africa	26.4167;-24.7500
Farm Kalkfontein 111KP (see Madikwe Game Reserve)	South Africa	26.3710;-24.7662
Farm Mooiplaas 94, 18 km SSE Derdepoort (see also: Derdepoort, 18 km SSE, Farm 94 (Mooiplaas), Mooiplaas, Farm 94)	South Africa	26.4000;-24.7500
Kalkfontein, Farm 111KP (see Madikwe Game Reserve)	South Africa	26.3710;-24.7662
Madikwe Game Reserve (see also: Farm 111KP (Kalkfontein), Farm Kalkfontein 111KP, Kalkfontein, Farm 111KP)	South Africa	26.3710;-24.7662
Mooiplaas, Farm 94 (see Farm Mooiplaas 94), 18 km SSE Derdepoort	South Africa	26.4167;-24.7500

SE 24027Bb:

Farm Platbos, 32 km NW Vaalwater; Waterberg (see also: Platbos, Farm, Vaalwater, 32 km NW)	South Africa	27.8667;-24.2167
Hans Strydom Dam Nature Reserve	South Africa	27.7667;-24.0000
Platbos, Farm (see Farm Platbos), 32 km NW Vaalwater; Waterberg	South Africa	27.8667;-24.2167
Vaalwater, 32 km NW (see Farm Platbos)	South Africa	27.8667;-24.2167

SE 24027Ca:

Fairfield, Farm 306 (see Farm Fairfield 306), Rustenburg	South Africa	27.1833;-24.5500
Farm 306 (Fairfield) (see Farm Fairfield 306), Rustenburg	South Africa	27.1833;-24.5500
Farm 354 (Tygerkloof) (see Farm Tygerkloof 354), 24 km SW Thabazimbi	South Africa	27.2092;-24.6944
Farm 354 (Tygerskloof) (see Farm Tygerkloof 354), 24 km SW Thabazimbi	South Africa	27.2092;-24.6944
Farm Fairfield 306, Rustenburg (see also: Fairfield, Farm 306, Farm 306 (Fairfield))	South Africa	27.1833;-24.5500

Farm Tygerkloof 354, 24 km SW Thabazimbi (see also: Farm 354 (Tygerkloof), Farm 354 (Tygerskloof), Farm Tygerskloof 354, Thabazimbi, 24 km SW, Tygerkloof, Farm 354, Tygerskloof, Farm 354)	South Africa	27.2092;-24.6944	
Farm Tygerskloof 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi	South Africa	27.2092;-24.6944	
Farm Waterval, 16 mi [=26 km] SE Thabazimbi (see also: Thabazimbi, 16 mi [=26 km] SE, Waterval, Farm)	South Africa	27.2134;-24.6548	
Thabazimbi, 16 mi [=26 km] SE (see Farm Waterval) (see also: Farm Weynek, Rooiberg, 2 mi [=3.2 km] W, Weinek, Farm, Weynek, Farm)	South Africa	27.2134;-24.6548	
Thabazimbi, 24 km SW (see Farm Tygerkloof 354)	South Africa	27.2092;-24.6944	
Tygerkloof, Farm 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi	South Africa	27.2092;-24.6944	
Tygerskloof, Farm 354 (see Farm Tygerkloof 354), 24 km SW Thabazimbi	South Africa	27.2092;-24.6944	
Waterval, Farm (see Farm Waterval), 16 mi [=26 km] SE Thabazimbi	South Africa	27.2134;-24.6548	

SE 24027Cb:

Buffelshoek, Farm 446KQ, Thabazimbi, 16 mi [=26 km] SE	South Africa	27.3606;-24.6717	
Farm 446KQ (Buffelshoek), Thabazimbi, 16 mi [=26 km] SE	South Africa	27.3500;-24.6667	
Farm Buffelshoek 446KQ, Thabazimbi, 16 mi [=26 km] SE (see also: Thabazimbi, 16 mi [=26 km] SE)	South Africa	27.3500;-24.6667	
Farm Rotterdam, 10 mi [=16 km] N Thabazimbi	South Africa	27.3389;-24.5547	
Krokodil river	South Africa	27.2500;-24.5000	
Rotterdam, Farm (see Rotterdam, Farm), 10 mi [=16 km] N Thabazimbi (see also: Rotterdam, Farm, Thabazimbi, 10 mi [=16 km] N)	South Africa	27.3389;-24.5547	
Thabazimbi (see also: Thambazimbi)	South Africa	27.4000;-24.6000	1420 m
Thabazimbi, 10 mi [=16 km] N (see Rotterdam, Farm)	South Africa	27.3389;-24.5547	
Thabazimbi, 16 mi [=26 km] SE (see Farm Buffelshoek 446KQ)	South Africa	27.3500;-24.6667	
Thambazimbi (see Thabazimbi)	South Africa	27.4000;-24.6000	1420 m

SE 24027Da:

Donkerpoort, Farm 448 (see Gatkop cave), 24 km E Thabazimbi, Rooiberg	South Africa	27.6522;-24.6181	
Farm 448 (Donkerpoort) (see Gatkop cave), 24 km E Thabazimbi, Rooiberg	South Africa	27.6522;-24.6181	
Farm 449KQ (see Gatkop cave)	South Africa	27.6522;-24.6181	
Farm 455KQ (Randstephne) (see Farm Randstephne 455KQ)	South Africa	27.6586;-24.6161	993 m
Farm Donkerpoort 448, 24 km E Thabazimbi, Rooiberg	South Africa	27.6600;-24.5800	
Farm Hekpoort, Thambazimbi / Witwatersberg (see also: Hekpoort, Farm, Witwatersberg)	South Africa	27.6167;-24.7333	
Farm Randstephne 455KQ (see also: Farm 455KQ (Randstephne), Randstephne, Farm 455KQ)	South Africa	27.6586;-24.6161	993 m
Farm Sandspruit, 40 mi WNW Warmbad (see also: Sandspruit Cave, Sandspruit, Farm, Warmbad, 40 mi [=64 km] WNW)	South Africa	27.6600;-24.6100	
Farm Zandspruit 449KQ (see Gatkop cave)	South Africa	27.6522;-24.6181	
Gamafefe (see also: Mahune site)	South Africa	27.6522;-24.6181	
Gat Koppies (see Gatkop cave), 24 km E Thabazimbi	South Africa	27.6522;-24.6181	
Gatkop (see Gatkop cave), 24 km E Thabazimbi	South Africa	27.6522;-24.6181	
Gatkop cave, 24 km E Thabazimbi (see also: Donkerpoort, Farm 448, Farm 448 (Donkerpoort), Farm 449KQ, Farm Zandspruit 449KQ, Gat Koppies, Gatkop, Gatkoppies, Gattis koppies, Jonker Trust Farm, Sandspruit Cave, Sandspruit Cave No. 1, Sandspruit Cave No. 2, Sundspruit cave, Thabazimbi, 24 km E, Thabazimbi, 24 km E, Thabazimbi, 24 km E, Warmbad, 40 mi [=64 km] WNW, Zandspruit Caves, Zandspruit, Farm 449KQ)	South Africa	27.6522;-24.6181	

Gatkoppies (see Gatkop cave), 24 km E Thabazimbi	South Africa	27.6522;-24.6181	
Gattis koppies (see Gatkop cave), Vaalwater	South Africa	27.6522;-24.6181	
Hekpoort, Farm (see Farm Hekpoort), Thambazimbi / Witwatersberg	South Africa	27.6167;-24.7333	
Jonker Trust Farm (see Gatkop cave)	South Africa	27.6522;-24.6181	
Mahune site (see Gamafefe)	South Africa	27.6522;-24.6181	
Randstephne, Farm 455KQ (see Farm Randstephne 455KQ)	South Africa	27.6586;-24.6161	993 m
Sandspruit Cave (see Gatkop cave), 40 mi [=64 km] WNW Warmbad	South Africa	27.6522;-24.6181	
Sandspruit Cave No. 1 (see Gatkop cave), Rooiberg	South Africa	27.6522;-24.6181	
Sandspruit Cave No. 2 (see Gatkop cave)	South Africa	27.6522;-24.6181	
Sundspruit cave (see Gatkop cave), Rooiberg	South Africa	27.6522;-24.6181	
Thabazimbi, 24 km E (see Gatkop cave)	South Africa	27.6522;-24.6181	
Warmbad, 40 mi [=64 km] WNW (see Gatkop cave)	South Africa	27.6522;-24.6181	
Witwatersberg (see Farm Hekpoort), Thambazimbi	South Africa	27.6167;-24.7333	
Zandspruit Caves (see Gatkop cave), 24 km E Thabazimbi	South Africa	27.6522;-24.6181	
Zandspruit, Farm 449KQ (see Gatkop cave)	South Africa	27.6522;-24.6181	

SE 24027Cd:

Northam	South Africa	27.2667;-24.9667	

SE 24027Dc:

Bela-Bela, 53 km W (see Farm Rietfontein 536KQ)	South Africa	27.7433;-24.9083	
Farm 536KQ (Rietfontein) (see Farm Rietfontein 536KQ)	South Africa	27.7433;-24.9083	
Farm 538 (Rooikrans) (see Farm Rooikrans 538), Thabazimbi	South Africa	27.6500;-24.8833	
Farm 538 (Rooikranz) (see Farm Rooikrans 538), Thabazimbi	South Africa	27.6500;-24.8833	
Farm Rietfontein 536KQ, Bela-Bela Municipality,off R516, 53 km W of Bela-Bela (see also: Bela-Bela, 53 km W, Farm 536KQ (Rietfontein), Rietfontein, Farm 536KQ)	South Africa	27.7433;-24.9083	
Farm Rooikrans 538, Thabazimbi (see also: Farm 538 (Rooikrans), Farm 538 (Rooikranz), Farm Rooikranz 538, Rooikrans, Farm 538, Rooikranz, Farm 538)	South Africa	27.6500;-24.8833	
Farm Rooikranz 538 (see Farm Rooikrans 538), Thabazimbi	South Africa	27.6500;-24.8833	
Farm Weinek, 2 mi [=3.2 km] W Rooiberg	South Africa	27.6785;-24.7836	
Farm Weynek (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg	South Africa	27.6785;-24.7836	
Rietfontein, Farm 536KQ (see Farm Rietfontein 536KQ)	South Africa	27.7433;-24.9083	
Rooiberg, 39 km SE Thabazimbi: Waterberg (see also: Rooiberg, Tin mine, Thabazimbi, 39 km SE)	South Africa	27.7333;-24.7667	1162 m
Rooiberg, 2 mi [=3.2 km] W (see Thabazimbi, 16 mi [=26 km] SE)	South Africa	27.6785;-24.7836	
Rooiberg, Tin mine (see Rooiberg)	South Africa	27.7319;-24.7694	1162 m
Rooikrans, Farm 538 (see Farm Rooikrans 538), Thabazimbi	South Africa	27.6500;-24.8833	
Rooikranz, Farm 538 (see Farm Rooikrans 538), Thabazimbi	South Africa	27.6500;-24.8833	
Thabazimbi, 39 km SE (see Rooiberg)	South Africa	27.7333;-24.7667	1162 m
Weinek, Farm (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg	South Africa	27.6785;-24.7836	
Weynek, Farm (see Thabazimbi, 16 mi [=26 km] SE), 2 mi [=3.2 km] W Rooiberg	South Africa	27.6785;-24.7836	

SE 24027Dd:

Bela-Bela, 50 km W (see Farm Vellefontein 517 KQ)	South Africa	27.7853;-24.8239	
Farm 517 KQ (Vellefontein) (see Farm Vellefontein 517 KQ)	South Africa	27.7853;-24.8239	
Farm 603 KQ (Hartbeesfontein) (see Farm Hartbeesfontein 603 KQ)	South Africa	27.7636;-24.7844	1182 m
Farm Hartbeesfontein 603 KQ, 50 km SE Thabazimbi, Bela-Bela municipality (see also: Farm 603 KQ (Hartbeesfontein), Hartbeesfontein, Farm 603 KQ, Thabazimbi, 50 km SE)	South Africa	27.7636;-24.7844	1182 m

Farm Hartebeesthoek, 48 km SE Thabazimbi (see also: Hartebeesthoek, Farm, Thabazimbi, 48 km SE)	South Africa	27.7500;-24.7833	
Farm Vellefontein 517 KQ, Bela-Bela municipality, off road R50, 50 km W Bela-Bela (see also: Bela-Bela, 50 km W, Farm 517 KQ (Vellefontein), Vellefontein, Farm 517 KQ)	South Africa	27.7853;-24.8239	
Hartbeesfontein, Farm 603 KQ (see Farm Hartbeesfontein 603 KQ)	South Africa	27.7636;-24.7844	1182 m
Hartebeesthoek, Farm (see Farm Hartebeesthoek), 48 km SE Thabazimbi	South Africa	27.7500;-24.7833	
Thabazimbi, 48 km SE (see Farm Hartebeesthoek)	South Africa	27.7500;-24.7833	
Thabazimbi, 50 km SE (see Farm Hartbeesfontein 603 KQ)	South Africa	27.7636;-24.7844	1182 m
Vellefontein, Farm 517 KQ (see Farm Vellefontein 517 KQ)	South Africa	27.7853;-24.8239	

SE 24028Aa:

Farm 54JS (Klipfontein) (see Farm Klipfontein 54JS), 30 km NE Vaalwater; Waterberg	South Africa	28.1333;-24.1333	
Farm Klipfontein 54JS, 30 km NE Vaalwater; Waterberg (see also: Farm 54JS (Klipfontein), Klipfontein, Farm 54JS, Vaalwater, 30 km NE)	South Africa	28.1333;-24.1333	
Klipfontein, Farm 54JS (see Farm Klipfontein 54JS), 30 km NE Vaalwater; Waterberg	South Africa	28.1333;-24.1333	
Vaalwater, 30 km NE (see Farm Klipfontein 54JS)	South Africa	28.1333;-24.1333	

SE 24028Ab:

Dassie Cave (see Waterberg Game Farm, Dassie Cave), Waterberg	South Africa	28.3856;-24.1175	1451 m
Doornsloot	South Africa	28.3667;-24.0167	ca. 1301 m
Waterberg Game Farm	South Africa	28.3883;-24.1165	1410 m
Waterberg Game Farm, Dassie Cave, Waterberg (see also: Dassie Cave)	South Africa	28.3856;-24.1175	1451 m

SE 24028Ba:

Potgietersrus, 37 km NW (see Ubumanzi Game Farm)	South Africa	28.5833;-24.2000	
Ubumanzi Game Farm, 37 km NW Potgietersrus (see also: Potgietersrus, 37 km NW)	South Africa	28.5833;-24.2000	

SE 24028Ac:

Vaalwater, Waterberg	South Africa	28.1000;-24.3000	1167 m

SE 24028Ad:

Farm 261 (Kaalfontein) (see Farm Kaalfontein 261), 37 km NW Potgietersrus	South Africa	28.4000;-24.2500	
Farm Kaalfontein 261, 37 km NW Potgietersrus (see also: Farm 261 (Kaalfontein), Kaalfontein, Farm 261)	South Africa	28.4000;-24.2500	
Kaalfontein, Farm 261 (see Farm Kaalfontein 261), 37 km NW Potgietersrus	South Africa	28.4000;-24.2500	

SE 24028Bc:

Doorndraai Dam Nature Reserve, Potgietersrus-Naboomspruit	South Africa	28.7167;-24.2667	

SE 24028Ca:

Farm Zanrivier, NW Warmbaths (see also: Zanrivier, Farm)	South Africa	28.0333;-24.6500	
Zanrivier, Farm (see Farm Zanrivier), NW Warmbaths	South Africa	28.0333;-24.6500	

SE 24028Cb:

Modimolle, 3 km NW (see also: Nylstroom, 3 km NW)	South Africa	28.3772;-24.6722	1350 m
Nylstroom	South Africa	28.4000;-24.7000	1178 m
Nylstroom, 3 km NW (see Modimolle, 3 km NW)	South Africa	28.3772;-24.6722	1350 m

SE 24028Da:

Farm Nyls Vly (see Nylsvlei Farm), Potgietersrus-Naboomspruit	South Africa	28.7000;-24.6500	
Farm Nylsvlei (see Nylsvlei Farm), Potgietersrus-Naboomspruit	South Africa	28.7000;-24.6500	
Nyls Vly Farm (see Nylsvlei Farm), Potgietersrus-Naboomspruit	South Africa	28.7000;-24.6500	
Nylsvlei Farm, Potgietersrus-Naboomspruit (see also: Farm Nyls Vly, Farm Nylsvlei, Nyls Vly Farm, Nylsvlei Nature Reserve, Nylsvlei Provincal Nature Reserve)	South Africa	28.7000;-24.6500	
Nylsvlei Nature Reserve (see Nylsvlei Farm), Potgietersrus-Naboomspruit	South Africa	28.7167;-24.6667	
Nylsvlei Provincal Nature Reserve (see Nylsvlei Farm), Potgietersrus-Naboomspruit	South Africa	28.7000;-24.6500	

SE 24028Db:

Mosdene [farmstead], 2 mi SE Naboomspruit (see also: Mosdene Nature Reserve, Mosdene Private Nature Reserve, Naboomspruit, 2 mi [=3.2 km] SE)	South Africa	28.7833;-24.6000	
Mosdene Nature Reserve (see Mosdene [farmstead]), 2 mi SE Naboomspruit	South Africa	28.7833;-24.6000	
Mosdene Private Nature Reserve (see Mosdene [farmstead]), 2 mi SE Naboomspruit	South Africa	28.7833;-24.6000	
Naboomspruit, 2 mi [=3.2 km] SE (see Mosdene [farmstead])	South Africa	28.7833;-24.6000	

SE 24028Cd:

Garsfontein, Pretoria	South Africa	28.2956;-24.8008	1394 m
Rissik Private Nature Reserve, 5 mi [=8 km] E Warmbaths (see also: Warmbaths, 5 mi [=8 km] E)	South Africa	28.4500;-24.8833	
Warmbad (see Warmbaths)	South Africa	28.2833;-24.8833	1098 m
Warmbad, 2 mi [=3.2 km] E (see Warmbaths, 2 mi [=3.2 km] E)	South Africa	28.2833;-24.8833	ca. 1000 m
Warmbaths (see also: Warmbad)	South Africa	28.2833;-24.8833	1098 m
Warmbaths, 2 mi [=3.2 km] E (see also: Warmbad, 2 mi [=3.2 km] E)	South Africa	28.2833;-24.8833	ca. 1000 m
Warmbaths, 5 mi [=8 km] E (see Rissik Private Nature Reserve)	South Africa	28.4500;-24.8833	

SE 24029Aa:

Farm 39 (Makapansgat) (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa	29.1833;-24.1500	1604 m
Farm Makapansgat 39, 16 km NE Potgietersrus (see also: Farm 39 (Makapansgat), Ficus cave, Makapan cave, Makapans Valley, Makapansgat Historic Cave, Makapansgat, Farm 39, Pepercorn's cave, Peppercorn Cave, Peppercorn's cave, Potgietersrus, 16 km NE)	South Africa	29.1833;-24.1500	1604 m
Ficus cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa	29.1833;-24.1500	1604 m
Makapan cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa	29.1833;-24.1500	1604 m
Makapans Valley (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa	29.1833;-24.1500	1604 m
Makapansgat Historic Cave (see Farm Makapansgat 39), Potgietersrus	South Africa	29.1833;-24.1500	1604 m
Makapansgat, Farm 39 (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa	29.1833;-24.1500	1604 m
Pepercorn's cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa	29.1833;-24.1500	1604 m
Peppercorn Cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa	29.1833;-24.1500	1604 m
Peppercorn's cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa	29.1833;-24.1500	1604 m
Percy Fyfe Nature Reserve, Potgietersrus	South Africa	29.1333;-24.0500	
Potgietersrus	South Africa	29.0167;-24.1833	1204 m
Potgietersrus, 16 km NE (see Farm Makapansgat 39)	South Africa	29.1833;-24.1500	1604 m

Potgietersrus, 5 km N	South Africa	29.0000;-24.1333	
Thabaphaswa	South Africa	29.0333;-24.0500	

SE 24029Ba:

Matlepits Valley, Potgietersrus-Zabediela, E Chuniespoort	South Africa	29.6167;-24.1167	

SE 24029Ac:

Farm 99 (Groothoek) (see Farm Groothoek 99), 25 km ESE Potgietersrus	South Africa	29.1300;-24.3500	
Farm Groothoek 99, 25 km ESE Potgietersrus (see also: Farm 99 (Groothoek), Groothoek, Farm 99, Potgietersrus, 25 km ESE)	South Africa	29.1300;-24.3500	
Farm Modderfontein, 24 km SE Potgietersrus (see also: Howell Davies Cave, Modderfontein, Farm, Potgietersrus, 24 km SE)	South Africa	29.2000;-24.3333	
Groothoek, Farm 99 (see Farm Groothoek 99), 25 km ESE Potgietersrus	South Africa	29.1300;-24.3500	
Howell Davies Cave (see Farm Modderfontein), 24 km SE Potgietersrus	South Africa	29.2000;-24.3333	
Modderfontein, Farm (see Farm Modderfontein), 24 km SE Potgietersrus	South Africa	29.2000;-24.3333	
Potgietersrus, 24 km SE (see Farm Modderfontein)	South Africa	29.2000;-24.3333	
Potgietersrus, 25 km ESE (see Farm Groothoek 99)	South Africa	29.1300;-24.3500	

SE 24029Ad:

Zebediela (see also: Zebediela Estates, Zebedielo, Zebedula)	South Africa	29.2833;-24.2667	1166 m
Zebediela Estates (see Zebediela)	South Africa	29.2833;-24.2667	1166 m
Zebedielo (see Zebediela)	South Africa	29.2833;-24.2667	1166 m
Zebedula (see Zebediela)	South Africa	29.2833;-24.2667	1166 m

SE 24029Bd:

Mphahlela's (see Mphahlele River), Tzaneen	South Africa	29.7500;-24.3167	
Mphahlele River, Tzaneen (see also: Mphahlela's, Mphatleles)	South Africa	29.7500;-24.3167	
Mphatleles (see Mphahlele River), Tzaneen	South Africa	29.7500;-24.3167	

SE 24029Dd:

De Hoop Private Nature Reserve	South Africa	29.9500;-24.9500	

SE 24030Aa:

Farm 35KT (Haffenden Heights) (see Farm Haffenden Heights 35KT)	South Africa	30.1667;-24.1167	
Farm Haffenden Heights 35KT (see also: Farm 35KT (Haffenden Heights), Haffenden Heights, Farm 35KT)	South Africa	30.0083;-24.1167	
Farm Malta, 19 km W Letaba (see also: Letaba, 19 km W)	South Africa	30.2333;-24.1667	
Farm The Downs, Lebowa (see also: The Downs, Farm)	South Africa	30.1833;-24.1500	
Haenertsburg, 10 km SE (see New Agatha State Forest)	South Africa	30.0833;-24.0333	
Haffenden Heights, Farm 35KT (see Farm Haffenden Heights 35KT)	South Africa	30.1667;-24.1167	
Lebowa, 10 km W (see Matlapitsi Caves)	South Africa	30.1000;-24.1667	
Letaba, 19 km W (see Farm Malta)	South Africa	30.2333;-24.1667	
Malta, Farm (see Farm Narina), 19 km W Letaba	South Africa	30.2333;-24.1667	
Matlapitsi Caves, 10 km W Lebowa (see also: Lebowa, 10 km W)	South Africa	30.1000;-24.1667	
Motale river	South Africa	30.1167;-24.0833	
New Agatha (see New Agatha State Forest), 10 km SE Haenertsburg	South Africa	30.0833;-24.0333	
New Agatha Forest Reserve (see New Agatha State Forest), 10 km SE Haenertsburg	South Africa	30.0833;-24.0333	
New Agatha State Forest, 10 km SE Haenertsburg (see also: Haenertsburg, 10 km SE, New Agatha, New Agatha Forest Reserve)	South Africa	30.0833;-24.0333	
The Downs, Farm (see Farm The Downs), Lebowa	South Africa	30.1833;-24.1500	

SE 24030Ab:

Cyprus, Farm 68 (see Farm Cyprus 68), 13 km SW Ofcolaco	South Africa	30.2833;-24.1833	
Farm 68 (Cyprus) (see Farm Cyprus 68), 13 km SW Ofcolaco	South Africa	30.2833;-24.1833	
Farm Cyprus 68, 13 km SW Ofcolaco (see also: Cyprus, Farm 68, Farm 68 (Cyprus), Ofcolaco, 13 km SW)	South Africa	30.2833;-24.1833	
Ofcolaco, 13 km SW (see Farm Cyprus 68)	South Africa	30.2833;-24.1833	
Trichardstal (see Trichardtsdal)	South Africa	30.4000;-24.1667	638 m
Trichardtsdal (see also: Trichardstal)	South Africa	30.4000;-24.1667	638 m

SE 24030Ba:

Farm Makalali, Letaba (see also: Makalali, Farm)	South Africa	30.7000;-24.1500	
Makalali Farm, Gazankulu	South Africa	30.7000;-24.1500	
Makalali, Farm (see Farm Makalali), Letaba	South Africa	30.7000;-24.1500	

SE 24030Bc:

Farm 140KT (Harmony) (see Farm Harmony 140KT)	South Africa	30.6139;-24.2728	
Farm 223KT (Perkeo) (see Farm Perkeo 223KT)	South Africa	30.6000;-24.4667	
Farm Harmony 140KT (see also: Farm 140KT (Harmony), Harmony, Farm 140KT)	South Africa	30.6139;-24.2728	
Farm Perkeo 223KT (see also: Farm 223KT (Perkeo), Perkeo, Farm 223KT)	South Africa	30.6000;-24.4667	
Harmony, Farm 140KT (see Farm Harmony 140KT)	South Africa	30.6139;-24.2728	
Perkeo, Farm 223KT (see Farm Perkeo 223KT)	South Africa	30.6000;-24.4667	

SE 24030Da:

Echo caves (see Farm Klipfontein 407)	South Africa	30.6078;-24.5578	
Farm 407 (Klipfontein) (see Farm Klipfontein 407), 19 km SSE Ohhrigstad	South Africa	30.6078;-24.5578	
Farm 412KT (Sterkspruit) (see Farm Sterkspruit 412KT), Mogaba	South Africa	30.6167;-24.6167	
Farm 436KT (Wakkersdal) (see Farm Wakkersdal 436KT)	South Africa	30.7167;-24.6167	
Farm Klipfontein 407, 19 km SSE Ohhrigstad (see also: Echo caves, Farm 407 (Klipfontein), Klipfontein, Farm 407, Ohhrigstad, 19 km SSE)	South Africa	30.6078;-24.5578	
Farm Sterkspruit 412KT, Mogaba (see also: Farm 412KT (Sterkspruit), Sterkspruit, Farm 412KT)	South Africa	30.6167;-24.6167	
Farm Wakkersdal 436KT (see also: Farm 436KT (Wakkersdal), Wakkersdal, Farm 436KT)	South Africa	30.7167;-24.6167	
Klipfontein, Farm 407 (see Farm Klipfontein 407), 19 km SSE Ohhrigstad	South Africa	30.6078;-24.5578	
Ohhrigstad, 19 km SSE (see Farm Klipfontein 407)	South Africa	30.6078;-24.5578	
Sterkspruit, Farm 412KT (see Farm Sterkspruit 412KT), Mogaba	South Africa	30.6167;-24.6167	
Wakkersdal, Farm 436KT (see Farm Wakkersdal 436KT)	South Africa	30.7167;-24.6167	

SE 24030Db:

Blyde Canyon Nature Reserve (see Blyderivierspoort Natuurreservaat)	South Africa	30.8167;-24.5833	
Blyderivier Nature Reserve (see Blyderivierspoort Natuurreservaat)	South Africa	30.8167;-24.5833	
Blyderivier Nature Reserve (see Blyderivierspoort Natuurreservaat)	South Africa	30.8167;-24.5833	
Blyderivierspoort Nature Reserve (see Blyderivierspoort Natuurreservaat)	South Africa	30.8167;-24.5833	
Blyderivierspoort Natuurreservaat (see also: Blyde Canyon Nature Reserve, Blyderivier Nature Reserve, Blyderivier Nature Reserve, Blyderivierspoort Nature Reserve)	South Africa	30.8167;-24.5833	

Bourke's Luck (see also: Elandsfontein, Farm 435KT, Farm 435KT (Elandsfontein), Farm Elandsfontein 435KT)	South Africa		30.8167;-24.6500	
Bourkes Luck Potholes (see Farm Bourkes Luck 454)	South Africa		30.8167;-24.6500	
Bourkes Luck, Farm 454 (see Farm Bourkes Luck 454)	South Africa		30.8167;-24.6500	
Chester, Farm 235 (see Farm Chester 235), dam on Blyde River	South Africa		30.7833;-24.5833	
Elandsfontein, Farm 435KT (see Bourke's Luck)	South Africa		30.8167;-24.6500	
Farm 235 (Chester) (see Farm Chester 235), dam on Blyde River	South Africa		30.7833;-24.5833	
Farm 435KT (Elandsfontein) (see Bourke's Luck)	South Africa		30.8167;-24.6500	
Farm 454 (Bourkes Luck) (see Farm Bourkes Luck 454)	South Africa		30.8167;-24.6500	
Farm Bourkes Luck 454 (see also: Bourkes Luck Potholes, Bourkes Luck, Farm 454, Farm 454 (Bourkes Luck))	South Africa		30.8167;-24.6500	
Farm Chester 235, dam on Blyde River (see also: Chester, Farm 235, Farm 235 (Chester))	South Africa		30.7833;-24.5833	
Farm Elandsfontein 435KT (see Bourke's Luck)	South Africa		30.8167;-24.6500	
Mariebskop (see Mariepskop-Bosreserwe)	South Africa		30.8833;-24.5833	
Mariepskop (see Mariepskop-Bosreserwe)	South Africa		30.8833;-24.5833	
Mariepskop Forest (see Mariepskop-Bosreserwe)	South Africa		30.8833;-24.5833	
Mariepskop Forest Reserve (see Mariepskop-Bosreserwe)	South Africa		30.8833;-24.5833	
Mariepskop Research Station (see Mariepskop-Bosreserwe)	South Africa		30.8833;-24.5833	
Mariepskop-Bosreserwe (see also: Mariebskop, Mariepskop, Mariepskop Forest, Mariepskop Forest Reserve, Mariepskop Research Station)	South Africa		30.8833;-24.5833	

SE 24030Cc:

Lydenburg, 80 km ENE	South Africa	ca.	30.1833;-24.8167	ca. 539 m

SE 24030Cd:

Boerboomskraal (see also: Buffelsvlei, Marone, Morone)	South Africa		30.3500;-24.8167	876 m
Buffelsvlei (see Boerboomskraal)	South Africa		30.3500;-24.8167	876 m
Marone (see Boerboomskraal)	South Africa		30.3500;-24.8167	876 m
Morone (see Boerboomskraal)	South Africa		30.3500;-24.8167	876 m

SE 24030Dd:

Mpumalanga	South Africa		30.8058;-24.8881	

SE 24031Aa:

Farm 10 (Sheila) (see Farm Sheila 10), Leydsdorp	South Africa		31.1500;-24.0500	
Farm 9 (Rhoda) (see Farm Rhoda 9), 13 km S Phalaborwa	South Africa		31.1000;-24.0500	
Farm Rhoda 9, 13 km S Phalaborwa (see also: Farm 9 (Rhoda), Rhoda, Farm 9)	South Africa		31.1000;-24.0500	
Farm Sheila 10, Leydsdorp (see also: Farm 10 (Sheila), Sheila, Farm 10)	South Africa		31.1500;-24.0500	
Klaserie Private Nature Reserve, Phalaborwa	South Africa		31.1833;-24.2000	
Klaserie-Olifant River Confluence, Phalaborwa	South Africa		31.2333;-24.0833	
Mathae Ranch, 22 mi [=35 km] E Mica (see also: Mica, 22 mi [=35 km] E)	South Africa		31.1188;-24.1342	3000 ft
Mica, 22 mi [=35 km] E (see Mathae Ranch)	South Africa		31.1188;-24.1342	3000 ft
Phalaborwa, 13 km S	South Africa		31.1000;-24.0500	
Phalaborwa, 20 km S	South Africa	ca.	31.0825;-24.1153	
Rhoda, Farm 9 (see Farm Rhoda 9), 13 km S Phalaborwa	South Africa		31.1000;-24.0500	
Sheila, Farm 10 (see Farm Sheila 10), Leydsdorp	South Africa		31.1500;-24.0500	
Tarkastad, 13 km S	South Africa		31.1000;-24.0500	

SE 24031Ab:

Matupa Cave, Pretoruskop area	South Africa		31.2667;-24.1667	

SE 24031Ba:

Balule Private Nature Reserve, on Oliphants River	South Africa		31.7333;-24.0500	
Bangu gorge caves, 12 km E Elephants camp (see also: Elephants camp, 12 km E)	South Africa		31.7333;-24.0833	
Mbangari Crevice, Timbavati River	South Africa		31.6308;-24.2375	
Olifants	South Africa		31.7404;-24.0055	
Olifants Camp, 7 km W (see also: Olifants Rest Camp, 7 km W)	South Africa		31.6500;-24.0167	
Olifants Rest Camp, 7 km W (see Olifants Camp, 7 km W)	South Africa		31.6500;-24.0167	
Olifants, 7 km W	South Africa		31.6669;-24.0047	
Roodevaal Private Camp, 2 km SE (see also: Roodeval Camp, 2 km SE, Roodewal private camp, 2 km SE)	South Africa		31.6000;-24.1333	
Roodewal private camp, 2 km SE (see Roodevaal Private Camp, 2 km SE)	South Africa		31.6000;-24.1333	

SE 24031Bb:

Bangu Poort, cave near	South Africa		31.8117;-24.1411	
Elephants camp, 12 km E (see Bangu gorge caves)	South Africa		31.8667;-24.1167	
Xinkelengane stream, N'Wanetsi section	South Africa		31.9294;-24.2461	

SE 24031Ac:

Drakensig, 5 Lark Cresent	South Africa		31.0167;-24.4333	574 m
Farm 87 (Tangala) (see Farm Tangala 87), NW Orpen Gate	South Africa		31.2000;-24.4667	
Farm Tangala 87, NW Orpen Gate (see also: Farm 87 (Tangala), Tangala, Farm 87)	South Africa		31.2000;-24.4667	
Hoed [farmstead] (see Hoedspruit [farmstead]), Phalaborwa	South Africa		31.0333;-24.4333	
Hoedspruit [farmstead], Phalaborwa (see also: Hoed [farmstead])	South Africa		31.0333;-24.4333	
Tangala, Farm 87 (see Farm Tangala 87), NW Orpen Gate	South Africa		31.2000;-24.4667	

SE 24031Ad:

Hartbees Fontein Camp, Kingfisherspruit area	South Africa		31.4617;-24.3989	
Mnangadyana Koppie, cave, 14 km N Orpen Gate (see also: Orpen Gate, 14 km N)	South Africa		31.4000;-24.3500	
Orpen Gate, 14 km N (see Mnangadyana Koppie, cave)	South Africa		31.4000;-24.3500	
Timbavati, Gazankulu	South Africa		31.3333;-24.3167	

SE 24031Bc:

Girivana cave (see also: Ngirivana cave)	South Africa		31.6906;-24.3572	
Mangadyane Koppies, near Ngirivane	South Africa		31.6617;-24.3050	
Ngirivana cave (see Girivana cave)	South Africa		31.6906;-24.3572	
Nsemani Windmill	South Africa		31.7150;-24.3933	

SE 24031Bd:

Esweni Camp (see Nwanedzi Camp)	South Africa		31.9667;-24.4500	
Ngwanedzi Camp (see Nwanedzi Camp)	South Africa		31.9667;-24.4500	
Nwanedsi-ruskamp (see Nwanedzi Camp)	South Africa		31.9667;-24.4500	
Nwanedzi Camp (see also: Esweni Camp, Ngwanedzi Camp, Nwanedsi-ruskamp)	South Africa		31.9667;-24.4500	
Nwanedzi Camp, dam 1 km NWN	South Africa		31.9667;-24.4500	
Nwanedzi River, old bridge over, 8 km E Satara	South Africa		31.8333;-24.4000	
Nwanedzi, 3 km SE	South Africa		31.9833;-24.4667	
N'Wanetsi Gorge	South Africa		31.9817;-24.4536	
Nwanetzi, 1 km N	South Africa		31.9667;-24.4500	
Old Bridge Nwanedzir	South Africa	ca.	31.7833;-24.3833	
Satara (see Satara Ruskamp)	South Africa		31.7783;-24.3978	
Satara area	South Africa	ca.	31.7833;-24.3833	
Satara Rest Camp (see Satara Ruskamp)	South Africa		31.7783;-24.3978	
Satara Ruskamp (see also: Satara, Satara Rest Camp)	South Africa		31.7783;-24.3978	
Satara, 8 km E, old bridge over Nwanedzi River	South Africa		31.8333;-24.4000	

WNLA Dam, 1 km N Nwanetzi Camp	South Africa		31.9667;-24.4500	

SE 24031Ca:

Acornhoek, 11 km N Newinngton (see also: Newinngton, 11 km N)	South Africa		31.0833;-24.5833	594 m
Farm 195KU (Fleur de Lys) (see Farm Fleur de Lys 195KU)	South Africa		31.0167;-24.5333	
Farm Fleur de Lys 195KU (see also: Farm 195KU (Fleur de Lys), Fleur de Lys, Farm 195KU)	South Africa		31.0167;-24.5333	
Fleur de Lys, Farm 195KU (see Farm Fleur de Lys 195KU)	South Africa		31.0167;-24.5333	
Newinngton, 11 km N (see Acornhoek)	South Africa		31.0833;-24.5833	594 m

SE 24031Cb:

Albatros (see Albatross), Gazankulu	South Africa		31.4167;-24.5167	
Albatross, Gazankulu (see also: Albatros)	South Africa		31.4167;-24.5167	
Farm Hermitage, Phalaborwa (see also: Hermitage Farm, Hermitagie camp)	South Africa		31.4000;-24.5667	
Hermitage Farm (see Farm Hermitage), Phalaborwa	South Africa		31.4000;-24.5667	
Hermitagie camp (see Farm Hermitage), Phalaborwa	South Africa		31.4000;-24.5667	
Main Camp, Gazankulu	South Africa		31.4667;-24.6333	

SE 24031Da:

Manyeleti Game Reserve (see Manyeletiwildtuin), Gazankulu	South Africa		31.6300;-24.6300	
Manyeletiwildtuin, Gazankulu (see also: Manyeleti Game Reserve)	South Africa		31.6300;-24.6300	

SE 24031Db:

Nkaya Pan (see also: Nkayapan)	South Africa		31.7575;-24.5322	
Nkayapan (see Nkaya Pan)	South Africa		31.7575;-24.5322	
Orpan, 14 km N (see Orpen, 14 km N)	South Africa	ca.	31.8961;-24.5783	
Orpen, 14 km N (see also: Orpan, 14 km N)	South Africa	ca.	31.8961;-24.5783	
Xixengendzini road, Ngandyana Stream	South Africa		31.9772;-24.7236	

SE 24031Cc:

Newington, 3 mi [=4.8 km] WNW	South Africa	ca.	31.2492;-24.7761	

SE 24031Cd:

Farm 242 (Othawo) (see Farm Othawo 242), 16 km N Newington	South Africa		31.4333;-24.7500	
Farm Othawo 242, 16 km N Newington (see also: Farm 242 (Othawo), Newington, 16 km N, Othawo, Farm 242, Sabie Sand Private Nature Reserve)	South Africa		31.4333;-24.7500	
Kruger Gate bridge, 12 km W Skukuza (see also: Skukuza, 12 km W)	South Africa		31.4833;-24.9800	
Londolozi Game Reserve, near Kruger National Park	South Africa		31.4989;-24.7975	
Newington	South Africa		31.2833;-24.8167	487 m
Newington, 11 km N	South Africa		31.2833;-24.8000	
Newington, 16 km N (see Farm Othawo 242)	South Africa		31.4333;-24.7500	
Newington, 7 mi [=11.3 km] N	South Africa		31.4167;-24.7500	
Othawo, Farm 242 (see Farm Othawo 242), 16 km N Newington	South Africa		31.4333;-24.7500	
Sabie Sand Private Nature Reserve (see Farm Othawo 242), 16 km N Newington	South Africa		31.4333;-24.7500	
Skukuza, 12 km W (see Kruger Gate bridge)	South Africa		31.4833;-24.9800	

SE 24031Dc:

Farm Sparta (see also: Sparta, Farm)	South Africa		31.5000;-24.8000	
Ntswiriri Dam, Tshokwane area (see also: Tswiriri Dam)	South Africa		31.6272;-24.8619	

Sabie River, Skukuza camp	South Africa		31.6333;-24.9500	
Sabie river bank, 8 km NE Skukuza (see also: Skukuza, 8 km NE)	South Africa		31.6700;-24.9675	
Sabie River, lower	South Africa	ca.	31.6333;-24.9500	
Sabie River, north bank, 3 km NNE Skukuza (see also: Skukuza, 3 km NNE)	South Africa		31.6217;-24.9853	
Sabie River, Staff Picnic site, Skukuza	South Africa		31.5833;-24.9833	
Skukuza (see also: Skukuza Camp, Skukuza lab buildings, Skukuza Staff Picnic Site, Skukuza Staff village, Skukuza Town, Skukuza Township, Skukuza Village)	South Africa		31.6000;-24.9833	240 m
Skukuza area	South Africa		31.5833;-24.9833	
Skukuza Camp (see Skukuza)	South Africa		31.6000;-24.9833	240 m
Skukuza dam, at golf course	South Africa		31.5772;-24.9847	
Skukuza lab buildings (see Skukuza)	South Africa		31.6000;-24.9833	240 m
Skukuza Staff Picnic Site (see Skukuza)	South Africa		31.6000;-24.9833	240 m
Skukuza Staff village (see Skukuza)	South Africa		31.6000;-24.9833	240 m
Skukuza Town (see Skukuza)	South Africa		31.6000;-24.9833	240 m
Skukuza Township (see Skukuza)	South Africa		31.6000;-24.9833	240 m
Skukuza Village (see Skukuza)	South Africa		31.6000;-24.9833	240 m
Skukuza, 1.5 km NW, Dense woodland upper reaches of Western Water Reservoir	South Africa		31.6058;-24.9972	
Skukuza, 3 km NNE (see Sabie River, north bank)	South Africa		31.6217;-24.9853	
Skukuza, 7 km E, on Sabie river	South Africa		31.6619;-24.9722	
Skukuza, 8 km NE (see Sabie river bank)	South Africa		31.6700;-24.9675	
Skukuza, river bank rondawels	South Africa		31.5903;-24.9947	
Sparta, Farm (see Farm Sparta)	South Africa		31.5000;-24.8000	
Staff Picnic site, Skukuza	South Africa		31.6667;-24.9750	
Staff village, Skukuza	South Africa		31.5833;-24.9833	
Tswiriri Dam (see Ntswiriri Dam)	South Africa		31.6272;-24.8619	

SE 24031Dd:

Loskop Windmill, 14 km N Lower Sabie (see also: Lower Sabie, 14 km N)	South Africa		31.9167;-24.9667	
Loskop Windmill, 17 km N	South Africa		31.9167;-24.9667	
Lower Sabie, 14 km N (see Loskop Windmill)	South Africa		31.9167;-24.9667	
Munywini cave	South Africa	ca.	31.8333;-24.7833	
South Cave, 5 km E Metsi Metsi Windmill, on N'Waswitsontso	South Africa	ca.	31.9425;-24.7914	
Tshokwana (see Tshokwane [farmstead])	South Africa		31.8581;-24.7850	
Tshokwane	South Africa		31.8558;-24.7764	
Tshokwane [farmstead] (see also: Tshokwana, Tshokwani)	South Africa		31.8581;-24.7850	
Tshokwane Picnic Site	South Africa		31.8586;-24.7864	
Tshokwane Picnic spot, 12 km E	South Africa		31.9786;-24.7836	
Tshokwane, 10 km S, on Skukuza - Tshokwane road	South Africa		31.7833;-24.8667	
Tshokwani	South Africa		31.8558;-24.7764	
Tshokwani (see Tshokwane [farmstead])	South Africa		31.8581;-24.7850	

SE 24032Bb:

Mepuze, S of	Mozambique		32.8061;-24.1681	

SE 24032Ac:

Rio Wanetsi (see Vaneteze river)	Mozambique		32.1714;-24.4925	
Vaneteze river (see also: Rio Wanetsi, Wanetsi river)	Mozambique		32.1714;-24.4925	
Wanetsi river (see Vaneteze river)	Mozambique		32.1714;-24.4925	

SE 24032Bd:

Chokwe, Limpopo Bridge	Mozambique		32.8817;-24.4058	

SE 24032Dc:

Magude-Mapulenguene	Mozambique		32.5486;-24.9414	

SE 24033Cd:

Chimonzo	Mozambique		33.2917;-24.9483	81 m

SE 24034Ba:

Panda	Mozambique	34.7303;-24.0633	144 m
Panda, 4 km N	Mozambique	34.7000;-24.0500	

SE 24034Bc:

Coguno	Mozambique	34.5528;-24.3889	53 m

SE 24034Cc:

Bdienguele	Mozambique	34.1894;-24.9575	

SE 24035Ab:

Inhambane, 29 km S (see Jangamo)	Mozambique	35.3181;-24.1122	18 m
Jangamo, 29 km S Inhambane (see also: Inhambane, 29 km S)	Mozambique	35.3181;-24.1122	18 m

SE 24043Bb:

Andranoilovy cave (see also: Grotte d'Andranoilovy)	Madagascar	43.7500;-24.0500	
Efoetse, 6 km NE (see Grotte de Mitaho, près)	Madagascar	43.7525;-24.0472	
Farihy Tsimanampetsotsa (see Tsimanampetsotsa, lake)	Madagascar	43.7500;-24.1167	
Grotte d'Andranoilovy (see Andranoilovy cave)	Madagascar	43.7500;-24.0500	
Grotte de Mitaho, près, 6.5 km NE Efoetse (see also: Efoetse, 6 km NE, Mitaho cave, near)	Madagascar	43.7525;-24.0472	
Lac Tsimanampetsotsa (see Tsimanampetsotsa, lake)	Madagascar	43.7500;-24.1167	
Mitaho cave, near (see Grotte de Mitaho, près)	Madagascar	43.7525;-24.0472	
Parc National de Tsimanampetsotsa (see Tsimanampetsotsa Nature Reserve)	Madagascar	43.7500;-24.1167	
Tsimanampetsotsa Nature Reserve (see also: Parc National de Tsimanampetsotsa)	Madagascar	43.7500;-24.1167	
Tsimanampetsotsa, lake (see also: Farihy Tsimanampetsotsa, Lac Tsimanampetsotsa)	Madagascar	43.7500;-24.1167	

SE 24043Db:

Amdroimpano cave (see Grotte d'Amdroimpano)	Madagascar	43.9633;-24.6503	110 m
Grotte d'Androimpano	Madagascar	43.9633;-24.6503	110 m
Grotte d'Amdroimpano, 4.2 km NE Itampolo (village), on road to Ejeda (see also: Amdroimpano cave, Itampolo, 4.2 km NE, on old road to Ejeda)	Madagascar	43.9633;-24.6503	110 m
Grotte de Vintane (see Vintane cave)	Madagascar	43.9636;-24.7022	
Itampolo	Madagascar	43.9500;-24.6833	28 m
Itampolo, 4.1 km SE (see Vintane cave)	Madagascar	43.9636;-24.7022	
Itampolo, 4.2 km NE, on old road to Ejeda (see Grotte d'Amdroimpano)	Madagascar	43.9633;-24.6503	110 m
Vintane cave, 4.1 km SE Itampolo (see also: Grotte de Vintane, Itampolo, 4.1 km SE, Vintani)	Madagascar	43.9636;-24.7022	
Vintani (see Vintane cave)	Madagascar	43.9636;-24.7022	

SE 24044Da:

Mahafaly	Madagascar	ca.	44.5000;-24.5000	

SE 24045Ca:

Tranoroa, on the Menarandra River	Madagascar	45.0667;-24.7000	223 m

SE 24045Cc:

Tsimilafo	Madagascar	45.1667;-24.9667	210 m
Tsimilofo	Madagascar	45.1667;-24.9667	210 m

SE 24046Db:

Marasohy Forest, 15 km WNW Ranomafana, near Tsitongatona River	Madagascar		46.8000;-24.5670	350 m
Ranomafana, 15 km WNW (see Ranomafana, 15 km WNW), near Tsitongatona River (see also: Ranomafana, 15 km WNW)	Madagascar		46.8000;-24.5670	

SE 24046Cd:

Amboasary, 24 km (by road) NNE	Madagascar		46.4500;-24.8667	80 m
Amboasary, ca 20 km (by road) NNE	Madagascar		46.4500;-24.8667	
Behara	Madagascar		46.3833;-24.9500	48 m
Beraketa, ca 20 km (by road) NNE Amboasary	Madagascar		46.4500;-24.8667	80 m
Bevaho, 24 km (by road) NNE Amboasary	Madagascar		46.4500;-24.8667	

SE 24046Dc:

Ankapoky, ca 21 km NW Ranopiso (see also: Ranopiso, ca 21 km NW)	Madagascar		46.5000;-24.9833	50 m
Ranopiso, ca 21 km NW (see Ankapoky)	Madagascar		46.5000;-24.9833	50 m

SE 24046Dd:

Ampasy (see Ampasy Nahampoana)	Madagascar		46.9833;-24.9667	63 m
Ampasy Nahampoana, 7 km NNW Tolagnaro (see also: Ampasy, Nahampoana, Tolagnaro, 7 km NNW)	Madagascar		46.9833;-24.9667	63 m
Ampasy Nahampoana Forest (see also: Nahampoana Forest)	Madagascar	ca.	46.9833;-24.9667	
Cascade de Manantantely (see Manantantely, falls), 5.2 km NW Tolagnaro	Madagascar		46.9228;-24.9891	65 m
Grotte de Marondavenoka (see Marondavenoka, cave), 9.4 km N Tolagnaro, near the village of Enato	Madagascar		46.9871;-24.8904	110 m
Mamitantely (see Manantantely)	Madagascar		46.9167;-24.9833	175 m
Manantanely Forest, 8 - 12 km WNW Tolagnaro (see also: Tolagnaro, 8 - 12 km WNW)	Madagascar		46.9000;-24.9833	60 m
Manantantely (see also: Mamitantely)	Madagascar		46.9167;-24.9833	175 m
Manantantely, falls, 5.2 km NW Tolagnaro (see also: Cascade de Manantantely, Tolagnaro, 5.2 km NW)	Madagascar		46.9228;-24.9891	65 m
Marondavenoka, cave, 9.4 km N Tolagnaro, near the village of Enato (see also: Grotte de Marondavenoka, Tolagnaro, 9.4 km N)	Madagascar		46.9871;-24.8904	110 m
Nahampoana (see Ampasy Nahampoana)	Madagascar		46.9833;-24.9667	63 m
Nahampoana Forest (see Ampasy Nahampoana Forest)	Madagascar	ca.	46.9833;-24.9667	
Tolagnaro, 5.2 km NW (see Manantantely, falls)	Madagascar		46.9228;-24.9891	65 m
Tolagnaro, 7 km NNW (see Ampasy Nahampoana)	Madagascar		46.9833;-24.9667	63 m
Tolagnaro, 8 - 12 km WNW (see Manantanely Forest)	Madagascar		46.9000;-24.9833	
Tolagnaro, 9.4 km N (see Marondavenoka, cave), near the village of Enato	Madagascar		46.9871;-24.8904	110 m

SE 24047Ab:

Analalava Forest, 6 km N Manantenina (see also: Forêt d'Analalava, Manantenina, 6 km N)	Madagascar		47.2667;-24.2000	ca. 20 m
Forêt d'Analalava (see Analalava Forest), 6 km N Manantenina	Madagascar		47.2667;-24.2000	ca. 20 m
Forêt de Marovony (see Marovony Forest)	Madagascar		47.3333;-24.0667	30 m
Manantenina, 14 km N by road, On road to Mararoy	Madagascar		47.3500;-24.1670	
Manantenina, 6 km N (see Analalava Forest)	Madagascar		47.2667;-24.2000	ca. 20 m
Maroroy, 5.0 km N (by road)	Madagascar	ca.	47.3333;-24.1500	
Maroroy, ca 9.2 km N (by road) (see Marovony Forest)	Madagascar		47.3667;-24.1333	50 m
Marovony Forest, ca 9.2 km N (by road) Maroroy (see also: Maroroy, ca 9.2 km N (by road))	Madagascar		47.3667;-24.1333	50 m
Marovony Forest (see also: Forêt de Marovony)	Madagascar		47.3333;-24.0667	30 m

SE 24047Ac:

Bemangidy, Poste Manantenina, 72 km N of Ft Dauphin (see also: Fort-Dauphin, 72 km N, Tolanaro, 72 km N)	Madagascar		47.0000;-24.4000	
Fort-Dauphin, 72 km N (see Bemangidy)	Madagascar		47.0000;-24.4000	
Tolanaro, 72 km N (see Bemangidy)	Madagascar		47.0000;-24.4000	

SE 24047Ad:

Ampanibe, N Bank Manampanihy/Iavibola River	Madagascar		47.3185;-24.2669	25 m
Manantenina	Madagascar		47.3167;-24.2833	2 m

SE 24047Ca:

Analalava	Madagascar		47.0333;-24.7000	46 m
Mananara	Madagascar	ca.	47.0833;-24.7167	

SE 24047Cb:

Manamabato (see Manambato)	Madagascar		47.2667;-24.5167	25 m
Manambato (see also: Manamabato)	Madagascar		47.2667;-24.5167	25 m

SE 24047Cc:

Fort-Dauphin, 8 km NE (see Tanosy or Monotane forestry station)	Madagascar		47.0000;-24.9778	
Itapera Forest, ca. 21 km NW Tolagnaro (see also: Tolagnaro, ca. 21 km NW)	Madagascar		47.1167;-24.8667	
Itapera, Pointe, ca. 21 km NW Tolagnaro (see also: Itaperina, Pointe, Pointe Itapera, Pointe Itaperina, Tapera, Lohatanjona, Tolagnaro, ca. 21 km NW)	Madagascar		47.1333;-24.9000	10 m
Itaperina, Pointe (see Itapera, Pointe)	Madagascar		47.1333;-24.9000	10 m
Manafiafy, 2 - 3 km NW (see Sainte-Luce Forest (1))	Madagascar		47.2000;-24.7833	20 m
Manafiafy, 4 km SSE (see Sainte-Luce Forest (2))	Madagascar		47.1667;-24.8167	20 m
Mandena Forest	Madagascar		47.0330;-24.9670	20 m
Pointe Itapera (see Itapera, Pointe)	Madagascar		47.1333;-24.9000	10 m
Pointe Itaperina (see Itapera, Pointe)	Madagascar		47.1333;-24.9000	10 m
Sainte-Luce Forest (1), 2 - 3 km NW Manafiafy (see also: Manafiafy, 2 - 3 km NW)	Madagascar		47.2000;-24.7833	20 m
Sainte-Luce Forest (2), 2 - 3 km NW Manafiafy (see also: Manafiafy, 4 km SSE)	Madagascar		47.1667;-24.8167	20 m
Tanosy or Monotane forestry station, 8 km NE Fort-Dauphin (see also: Fort-Dauphin, 8 km NE, Tolanaro, 8 km NE)	Madagascar		47.0000;-24.9778	
Tapera, Lohatanjona (see Itapera, Pointe)	Madagascar		47.1333;-24.9000	10 m
Tolagnaro, ca. 21 km NW (see Itapera Forest)	Madagascar		47.1167;-24.8667	
Tolagnaro, ca. 21 km NW (see Itapera, Pointe)	Madagascar		47.1333;-24.9000	10 m
Tolanaro, 8 km NE (see Tanosy or Monotane forestry station)	Madagascar		47.0000;-24.9778	

SE 25016Ba:

Maltahöhe district	Namibia		16.5000;-25.0000	

SE 25016Bb:

Groutfontein (see Grootfontein)	Namibia		16.7500;-25.0167	1250 m

SE 25016Ac:

Aandster, Farm 147 (see Farm Aandster 147)	Namibia		16.0667;-25.3833	
Farm 147 (Aandster) (see Farm Aandster 147)	Namibia		16.0667;-25.3833	
Farm Aandster 147 (see also: Aandster, Farm 147, Farm 147 (Aandster))	Namibia		16.0667;-25.3833	

SE 25016Ca:

Lüderitz district	Namibia	16.0000;-25.5000	

SE 25016Cc:

Farm Kanaän, 70 km W Helmeringhausen, Edge of Diamond area nr 2 (see also: Helmeringhausen, 70 km W)	Namibia	16.1167;-25.8667	
Helmeringhausen, 70 km W (see Farm Kanaän), Edge of Diamond area nr 2	Namibia	16.1167;-25.8667	

SE 25016Dd:

Helmeringshausen	Namibia	16.8167;-25.8833	1390 m

SE 25017Dd:

Berseba	Namibia	17.7833;-25.9833	926 m
Bruckaros, mount (see Brukkaros, mount)	Namibia	17.8000;-25.8667	
Brukkaros, mount (see also: Bruckaros, mount, Geitsi-Gubeb, Geitsigubib, Groot Bruckaros, Groot Brukaros, Mount Brukaros, Mount Brukharos, Mount Brukkaros)	Namibia	17.8000;-25.8667	
Geitsi-Gubeb (see Brukkaros, mount)	Namibia	17.8000;-25.8667	
Geitsigubib (see Brukkaros, mount)	Namibia	17.8000;-25.8667	
Groot Bruckaros (see Brukkaros, mount)	Namibia	17.8000;-25.8667	
Groot Brukaros (see Brukkaros, mount)	Namibia	17.8000;-25.8667	
Mount Brukaros (see Brukkaros, mount)	Namibia	17.8000;-25.8667	
Mount Brukharos (see Brukkaros, mount)	Namibia	17.8000;-25.8667	
Mount Brukkaros (see Brukkaros, mount)	Namibia	17.8000;-25.8667	

SE 25018Aa:

Kriess/White Rand	Namibia	18.2169;-25.0333	

SE 25019Db:

Kaes, 17 km N, 88 km E (see Welverdien Farm 328)	Namibia	19.9833;-25.7000	
Welverdien Farm 328, 17 km N, 88 km E Kaes (see also: Kaes, 17 km N, 88 km E)	Namibia	19.9833;-25.7000	

SE 25019Cc:

Koës	Namibia	19.1167;-25.9500	976 m

SE 25020Aa:

Dankbaar Windmill, Nassob [=Nossob camp], 60 km NW (see also: Nassob, 60 km NW, Nossob camp, 60 km NW)	South Africa	20.1333;-25.0500	
Nassob, 60 km NW (see Dankbaar Windmill)	South Africa	20.1333;-25.0500	
Nossob camp, 60 km NW (see Dankbaar Windmill)	South Africa	20.1333;-25.0500	

SE 25020Ac:

Bayip, 31 km WNW Nossob [=Nossob camp] (see also: Nassob, 31 km WNW, Nossob camp, 31 km WNW)	South Africa	20.2167;-25.2833	
Nassob, 31 km WNW (see Bayip)	South Africa	20.2167;-25.2833	
Nossob camp, 31 km WNW (see Bayip)	South Africa	20.2167;-25.2833	

SE 25020Bc:

Nassob, 4 km S (see Rooikop)	South Africa	20.5667;-25.4500	
Nossob camp, 4 km S (see Rooikop)	South Africa	20.5667;-25.4500	
Nossob, 4 km S (see Rooikop)	South Africa	20.5667;-25.4500	
Nossob, 60 km NW	South Africa	20.6000;-25.4167	
Rooikop, 4 km S Nossob [=Nossob camp] (see also: Nassob, 4 km S, Nossob camp, 4 km S, Nossob, 4 km S)	South Africa	20.5667;-25.4500	

SE 25020Cb:

Kalahari Gemsbok Game Reserve (see Kalahari Gemsbok National Park)	South Africa	20.3333;-25.6833	
Kalahari Gemsbok National Park (see also: Kalahari Gemsbok Game Reserve, Nasionale Kalahari Gemsbok-Wildtuin)	South Africa	20.3333;-25.6833	
Nasionale Kalahari Gemsbok-Wildtuin (see Kalahari Gemsbok National Park)	South Africa	20.3333;-25.6833	

SE 25020Da:

Marie se Gat, 6 km SE Nossob (see also: Nassob, 6 km SE, Nossob, 6 km SE)	South Africa	20.6333;-25.6333	
Nassob, 6 km SE (see Marie se Gat)	South Africa	20.6333;-25.6333	
Nossob, 6 km SE (see Marie se Gat)	South Africa	20.6333;-25.6333	

SE 25020Cc:

Mata Mata camp, Nassob	South Africa	20.0167;-25.7667	

SE 25020Dc:

Kameelsleep, Nassob [=Nossob camp] (see also: Nossob camp)	South Africa	20.7333;-25.8333	
Nossob camp (see Kameelsleep)	South Africa	20.7333;-25.8333	

SE 25020Dd:

Vloorskop	Botswana	20.8670;-25.9170	959 m

SE 25025Ba:

Lobatse (see also: Lobatsi)	Botswana	25.6667;-25.2167	1188 m
Lobatsi (see Lobatse)	Botswana	25.6667;-25.2167	1188 m

SE 25025Bb:

Lobatsi [intermittent stream]	South Africa	25.8167;-25.1833	

SE 25025Dc:

Mafeking, 5 km outside (see Mafikeng, 5 km outside)	South Africa	25.6500;-25.8667	1252 m
Mafikeng, 5 km outside (see also: Mafeking, 5 km outside)	South Africa	25.6500;-25.8667	1252 m
Molopo Nature Reserve (see Molopo Naturellereserwe)	South Africa	25.5667;-25.8833	
Molopo Naturellereserwe (see also: Molopo Nature Reserve)	South Africa	25.5667;-25.8833	

SE 25025Dd:

Ottoshoop	South Africa	25.9500;-25.7500	1417 m

SE 25026Ac:

Farm 96 (Rykvoorby) (see Farm Rykvoorby 96), 9 km N Zeerust	South Africa	26.0667;-25.4833	
Farm Rykvoorby 96, 9 km N Zeerust (see also: Farm 96 (Rykvoorby), Rykvoorby, Farm 96, Zeerust, 9 km N)	South Africa	26.0667;-25.4833	
Rykvoorby, Farm 96 (see Farm Rykvoorby 96), 9 km N Zeerust	South Africa	26.0667;-25.4833	
Zeerust, 9 km N (see Farm Rykvoorby 96)	South Africa	26.0667;-25.4833	

SE 25026Ad:

Kleinfontein, 20 mi [=32 km] NE Zeerust (see also: Zeerust, 20 mi [=32 km] NE)	South Africa	26.3333;-25.4167	
Zeerust, 20 mi [=32 km] NE (see Kleinfontein)	South Africa	26.3333;-25.4167	

SE 25026Cb:

Farm Ferndale, 8 km SE Groot Marico (see also: Ferndale, Farm, Groot Marico, 8 km SE, Marico, 15 km SE)	South Africa	26.4000;-25.6333	
Ferndale, Farm (see Farm Ferndale), 8 km SE Groot Marico	South Africa	26.4000;-25.6333	
Groot Marico, 8 km SE (see Farm Ferndale)	South Africa	26.4000;-25.6333	
Marico, 15 km SE (see Farm Ferndale)	South Africa	26.4000;-25.6333	

SE 25026Da:

Roodeval Camp, 2 km SE (see Roodevaal Private Camp, 2 km SE)	South Africa	26.5667;-25.5000	

SE 25026Cc:

War Grave, 40 mi [=64 km] W, on Molopo River	South Africa	26.1250;-25.8750	

SE 25026Dd:

Koster Cave, Zwartrand	South Africa	26.9000;-25.8667	
Loster, Zeerust	South Africa	26.9000;-25.8667	

SE 25027Aa:

Boekenhoufontein [farmstead] (see Boekenhoutfontein [farmstead]), 15 km N Rustenburg	South Africa	27.1000;-25.2167	
Boekenhoutfontein [farmstead], 15 km N Rustenburg (see also: Boekenhoufontein [farmstead], Rustenburg, 15 km N)	South Africa	27.1000;-25.2167	
Grootkloof, Magaliesburg	South Africa	27.1000;-25.1667	
Grootkloof, near Magaliesburg	South Africa	27.0981;-25.1764	
Lesetlheng	South Africa	27.1261;-25.1572	1089 m
Pilanesburg Nature Reserve (see Pilanesberg Game Reserve), Old mine audit	South Africa	27.1250;-25.1250	
Rustenburg, 15 km N (see Boekenhoutfontein [farmstead])	South Africa	27.1000;-25.2167	

SE 25027Ba:

Assen, 5 km NE (see Farm Buffelspoort 149 JQ)	South Africa	27.6167;-25.1167	
Brits, 37 mi [=59.5 km] N (see Buffelsdraai)	South Africa	27.6667;-25.1333	
Buffelsdraai, 37 mi N Brits (see also: Brits, 37 mi [=59.5 km] N)	South Africa	27.6667;-25.1333	
Buffelspoort, Farm 149JQ (see Farm Buffelspoort 149 JQ), 5 km NE Assen	South Africa	27.6167;-25.1167	
Farm 147JQ (Mooimeisjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa	27.6167;-25.0167	
Farm 147JQ (Mooimysjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa	27.6167;-25.0167	
Farm 147JQ (Mooiymysjesfontein) (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa	27.6167;-25.0167	
Farm 149JQ (Buffelspoort) (see Farm Buffelspoort 149 JQ), 5 km NE Assen	South Africa	27.6167;-25.1167	
Farm Buffelspoort 149 JQ, 5 km NE Assen (see also: Assen, 5 km NE, Buffelspoort, Farm 149JQ, Farm 149JQ (Buffelspoort))	South Africa	27.6167;-25.1167	
Farm Mooimeisjesfontein 147JQ, Assen (see also: Farm 147JQ (Mooimeisjesfontein), Farm 147JQ (Mooimysjesfontein), Farm 147JQ (Mooiymysjesfontein), Farm Mooimysjesfontein 147JQ, Farm Mooiymysjesfontein 147JQ, Mooimeijesfontein, Mooimeisjesfontein, Farm 147JQ, Mooimysjesfontein, Farm 147JQ, Mooiymysjesfontein, Farm 147JQ)	South Africa	27.6167;-25.0167	
Farm Mooimysjesfontein 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa	27.6167;-25.0167	
Farm Mooiymysjesfontein 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa	27.6167;-25.0167	
Mooimeijesfontein (see Farm Mooimeisjesfontein 147JQ)	South Africa	27.6167;-25.0167	
Mooimeisjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa	27.6167;-25.0167	

Mooimysjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa		27.6167;-25.0167	
Mooiymysjesfontein, Farm 147JQ (see Farm Mooimeisjesfontein 147JQ), Assen	South Africa		27.6167;-25.0167	

SE 25027Ac:

Farm 59JQ (Rhenosterspruit) (see Farm Rhenosterspruit 59JQ)	South Africa		27.1250;-25.3750	
Farm Rhenosterspruit 59JQ (see also: Farm 59JQ (Rhenosterspruit), Rhenosterspruit, Farm 59JQ)	South Africa		27.1250;-25.3750	
Pilanesberg Game Reserve (see also: Pilanesberg National Park, Pilanesburg Nature Reserve)	South Africa		27.0833;-25.2500	
Pilanesberg National Park (see Pilanesberg Game Reserve)	South Africa		27.0833;-25.2500	
Rhenosterspruit, Farm 59JQ (see Farm Rhenosterspruit 59JQ)	South Africa		27.1250;-25.3750	

SE 25027Ca:

Baviaanskrans, Farm 308JQ (see Kgaswane Nature Reserve)	South Africa		27.1853;-25.7203	
Farm 308JQ (Baviaanskrans) (see Kgaswane Nature Reserve)	South Africa		27.1853;-25.7203	
Farm Baviaanskrans 308JQ (see Kgaswane Nature Reserve)	South Africa		27.1853;-25.7203	
Kgaswane Nature Reserve (see also: Baviaanskrans, Farm 308JQ, Farm 308JQ (Baviaanskrans), Farm Baviaanskrans 308JQ)	South Africa		27.1853;-25.7203	
Rustenburg	South Africa		27.2333;-25.6667	
Rustenburg Nature Reserve, Rustenburg	South Africa		27.1878;-25.7178	

SE 25027Cb:

Bleskop, Rustenberg	South Africa		27.3833;-25.6833	
Rustenburg, 2 mi [=3.2 km] E	South Africa	ca.	27.3093;-25.6561	

SE 25027Da:

Thabazimbi, 32 km W	South Africa		27.5000;-25.5000	

SE 25027Db:

Brits	South Africa		27.7833;-25.6333	1083 m
Kosmos, Western Shore Hartebeespoortdam (see also: Village Kosmos)	South Africa		27.8500;-25.7333	1139 m
Sandspruit Cave (see Farm Sandspruit), 40 mi [=64 km] WNW Warmbad	South Africa		27.9167;-25.6833	
Sandspruit, Farm (see Farm Sandspruit), 40 mi WNW Warmbad	South Africa		27.9167;-25.6833	
Village Kosmos (see Kosmos), Western Shore Hartebeespoortdam	South Africa		27.8500;-25.7333	1139 m
Warmbad, 40 mi [=64 km] WNW (see Farm Sandspruit)	South Africa		27.9167;-25.6833	

SE 25027Cc:

Commisiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa		27.2333;-25.8000	
Commissiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa		27.2333;-25.8000	
Commissiesdrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa		27.2333;-25.8000	
Commissionsdrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa		27.2333;-25.8000	
Farm 327JQ (Commissiesdrift) (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa		27.2333;-25.8000	

Farm Commissiesdrift 327JQ, 10 mi [=16 km] SW Rustenberg (see also: Commisiedrift, Farm 327JQ, Commissiedrift, Farm 327JQ, Commissiesdrift, Farm 327JQ, Commissionsdrift, Farm 327JQ, Farm 327JQ (Commissiesdrift), Farm Commissionsdrift 327JQ, Kommissiedrift, Farm 327JQ, Rustenberg, 10 mi [=16 km] SW)	South Africa	27.2333;-25.8000	
Farm Commissionsdrift 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa	27.2333;-25.8000	
Kommissiedrift, Farm 327JQ (see Farm Commissiesdrift 327JQ), 10 mi [=16 km] SW Rustenberg	South Africa	27.2333;-25.8000	
Rustenberg, 10 mi [=16 km] SW (see Farm Commissiesdrift 327JQ)	South Africa	27.2333;-25.8000	

SE 25027Cd:

Farm 328 (Olifantspoort) (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg	South Africa	27.2500;-25.8333	
Farm Olifantspoort 328, 19 km [=12 mi] S Rustenburg (see also: Farm 328 (Olifantspoort), Olifantspoort, Farm 328, Retiefkloof, Rustenburg, 19 km [=12 mi] S)	South Africa	27.2500;-25.8333	
Olifantspoort, Farm 328 (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg	South Africa	27.2500;-25.8333	
Retiefkloof (see Farm Olifantspoort 328), 19 km [=12 mi] S Rustenburg	South Africa	27.2500;-25.8333	
Rustenburg, 19 km [=12 mi] S (see Farm Olifantspoort 328)	South Africa	27.2500;-25.8333	

SE 25027Dc:

Brits, 14 km S, 10.5 km W (see Trident Kloof)	South Africa	27.6667;-25.7667	1350 m
Farm 473 JQ (Hartebees) (see Farm Fourwinds)	South Africa	27.6700;-25.8300	
Farm Fourwinds (see also: Farm 473 JQ (Hartebees), Farm Hartebeesfonein 473 JQ, Fourwinds, Farm, Hartebeesfontein, Farm 473 JQ, Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ)	South Africa	27.6700;-25.8300	
Farm Hartebeesfonein 473 JQ (see Farm Fourwinds)	South Africa	27.6700;-25.8300	
Fourwinds, Farm (see Farm Fourwinds)	South Africa	27.6700;-25.8300	
Hartebeesfontein, Farm 473 JQ (see Farm Fourwinds)	South Africa	27.6700;-25.8300	
Magaliesberg	South Africa	27.6667;-25.7667	1350 m
Remnant of portion of 34, portion of 25 Hartebeesfontein 473 JQ (see Farm Fourwinds)	South Africa	27.6700;-25.8300	
Sterkfontein caves, 19 km NW Krugersdorp (see also: Krugersdorp, 19 km NW, Sterkfonteingrotte)	South Africa	27.6667;-25.9667	1600 m
Trident Kloof, 14 km S, 10.5 km W Brits (see also: Brits, 14 km S, 10.5 km W)	South Africa	27.6667;-25.7667	1350 m

SE 25027Dd:

American cave (see Farm Uitkomst 499)	South Africa	27.7667;-25.9000	
Blurweberg cave, Pretoria	South Africa	27.9831;-25.8000	
Brits, 25.5 km S, 14.7 Km E (see Crocodile River Bank)	South Africa	27.9333;-25.8500	1225 m
Crocodile River Bank, 25.5 km S, 14.7 Km E Brits (see also: Brits, 25.5 km S, 14.7 Km E)	South Africa	27.9333;-25.8500	1225 m
Farm 355 (Mooiplaas) (see Farm Hennopsriver 489), Pretoria	South Africa	27.9667;-25.8333	
Farm 489 (Hennops River) (see Farm Hennops River 489), Pretoria	South Africa	27.9667;-25.8500	
Farm 489 (Hennopsriver) (see Farm Hennopsriver 489), Pretoria	South Africa	27.9667;-25.8333	
Farm 489 (Hennopsrivier) (see Farm Hennops River 489), Pretoria	South Africa	27.9667;-25.8500	
Farm 499 (Uitkomst) (see Farm Uitkomst 499), Krugersdorp	South Africa	27.7667;-25.9000	
Farm Gladysvale, 20 mi [=32 km] NNE Krugersdorp (see also: Gladysvale, Farm, Krugersdorp, 20 mi [=32 km] NNE)	South Africa	27.7667;-25.9000	1527 m

Farm Hennops River 489, Pretoria (see also: Farm 489 (Hennops River), Farm 489 (Hennopsrivier), Farm Hennopsrivier 489, Hennops River, Farm 489, Hennopsrivier, Farm 489)	South Africa		27.9667;-25.8500	
Farm Hennopsriver 489, Pretoria (see also: Farm 355 (Mooiplaas), Farm 489 (Hennopsriver), Farm Mooiplaas 355, Hennopsriver, Farm 489, Mooiplaas, Farm 355, Skurweberg cave)	South Africa		27.9667;-25.8333	
Farm Hennopsrivier 489 (see Farm Hennops River 489), Pretoria	South Africa		27.9667;-25.8500	
Farm Mooiplaas 355 (see Farm Hennopsriver 489), Pretoria	South Africa		27.9667;-25.8333	
Farm Uitkomst 499, Krugersdorp (see also: American cave, Farm 499 (Uitkomst), Jack Scott Private Nature Reserve, John Nash Nature Reserve, Long One Cave, Pretoria, 30 mi [=48 km] WSW, Pretoria, 32 mi [=51 km] W, Uitkomst, Farm 499)	South Africa		27.7667;-25.9000	
Gladysvale, Farm (see Farm Gladysvale), 20 mi [=32 km] NNE Krugersdorp	South Africa		27.7667;-25.9000	1527 m
Hartebeespoort dam, 10 mi [=16 km] W (see Kranskop)	South Africa		27.8500;-25.7500	
Hennops River [farmstead], Pretoria-Verwoedburg	South Africa		27.9847;-25.8261	
Hennops River, Farm 489 (see Farm Hennops River 489), Pretoria	South Africa		27.9667;-25.8500	
Hennopsriver, Farm 489 (see Farm Hennopsriver 489), Pretoria	South Africa		27.9667;-25.8333	
Hennopsrivier, Farm 489 (see Farm Hennops River 489), Pretoria	South Africa		27.9667;-25.8500	
Jack Scott Private Nature Reserve (see Farm Uitkomst 499), Krugersdorp	South Africa		27.7667;-25.9000	
John Nash Nature Reserve (see Farm Uitkomst 499), Krugersdorp	South Africa		27.7667;-25.9000	
Kranskop, 10 mi W Hartebeespoort dam (see also: Hartebeespoort dam, 10 mi [=16 km] W)	South Africa		27.8500;-25.7500	
Krugersdorp, 20 mi [=32 km] NNE (see Farm Gladysvale)	South Africa		27.7667;-25.9000	1527 m
Long One Cave (see Farm Uitkomst 499), Krugersdorp	South Africa		27.7667;-25.9000	
Mooiplaas, Farm 355 (see Farm Hennopsriver 489), Pretoria	South Africa		27.9667;-25.8333	
Pretoria, 30 mi [=48 km] SW	South Africa	ca.	27.9657;-25.9852	
Pretoria, 30 mi [=48 km] WSW (see Farm Uitkomst 499), Krugersdorp	South Africa		27.7667;-25.9000	
Pretoria, 32 mi [=51 km] W (see Farm Uitkomst 499)	South Africa		27.7667;-25.9000	
Skurweberg cave (see Farm Hennopsriver 489), Pretoria	South Africa		27.9833;-25.8000	
Uitkomst, Farm 499 (see Farm Uitkomst 499), Krugersdorp	South Africa		27.7667;-25.9000	

SE 25028Ac:

Farm 236JQ (Vygeboschlaagte) (see Farm Vygeboschlaagte 236JQ)	South Africa		28.0167;-25.3167	
Farm Vygeboschlaagte 236JQ (see also: Farm 236JQ (Vygeboschlaagte), Vygeboschlaagte, Farm 236JQ)	South Africa		28.0167;-25.3167	
Monument Park caves (see Monument Park), Pretoria	South Africa		28.2300;-25.4600	
Shoshanguve, Pretoria	South Africa		28.0667;-25.4000	
Tswaing Crater, Pretoria	South Africa		28.0782;-25.4137	
Vygeboschlaagte, Farm 236JQ (see Farm Vygeboschlaagte 236JQ)	South Africa		28.0167;-25.3167	

SE 25028Bc:

Enkeldoornspoort, Farm 207 (see Farm Enkeldoornspoort 207), 16 km SE Rust de Winter	South Africa		28.6667;-25.3000	
Farm 207 (Enkeldoornspoort) (see Farm Enkeldoornspoort 207), 16 km SE Rust de Winter	South Africa		28.6667;-25.3000	
Farm 221JR (Leeudraai) (see Farm Leeudraai 221JR)	South Africa		28.5661;-25.3708	
Farm Enkeldoornspoort 207, 16 km SE Rust de Winter (see also: Enkeldoornspoort, Farm 207, Farm 207 (Enkeldoornspoort), Rust de Winter, 16 km SE)	South Africa		28.6667;-25.3000	

Farm Leeudraai 221JR (see also: Farm 221JR (Leeudraai), Leeudraai, Farm 221JR)	South Africa		28.5661;-25.3708	
Leeudraai, Farm 221JR (see Farm Leeudraai 221JR)	South Africa		28.5661;-25.3708	
Rust de Winter, 16 km SE (see Farm Enkeldoornspoort 207)	South Africa		28.6667;-25.3000	

SE 25028Ca:

Burgers Park, Pretoria	South Africa		28.1833;-25.7167	
Farm Rietgat, plot 102, Pretoria (see also: Rietgat, Farm plot 102)	South Africa		28.1833;-25.7167	
Hatfield, Pretoria	South Africa		28.2231;-25.7467	
Lady Selborne, Pretoria (see also: Ladyselborne)	South Africa		28.1333;-25.7000	1249 m
Ladyselborne (see Lady Selborne), Pretoria	South Africa		28.1333;-25.7000	1249 m
Mayville, Pretoria	South Africa		28.1833;-25.7167	84 m
Mountain View, Pretoria	South Africa		28.1500;-25.7000	
New Mucelneuck, Pretoria	South Africa		28.1800;-25.7300	
New Mucklenuek, 351 Rey Street	South Africa		28.1989;-25.6867	1274 m
Olifants River, Pretoria district	South Africa		28.1250;-25.6250	
Onderstepoort, Pretoria	South Africa		28.1842;-25.6506	1196 m
Pretoria	South Africa		28.2294;-25.7069	1271 m
Pretoria - Kameeldrif, between	South Africa	ca.	28.0600;-25.7217	
Pretoria district	South Africa	ca.	28.2294;-25.7069	
Pretoria North, Pretoria	South Africa		28.1653;-25.6622	1222 m
Pretoria, 6 mi [=9.6 km] W	South Africa	ca.	28.0859;-25.7455	
Rietgat, Farm plot 102 (see Farm Rietgat, plot 102), Pretoria	South Africa		28.1833;-25.7167	
Rietondale, 177 Lys Street	South Africa		28.2333;-25.7333	
Rosslyn, Pretoria	South Africa		28.0942;-25.6242	1262 m
Sinoville, Pretoria	South Africa		28.2336;-25.6697	1261 m
Townlands	South Africa		28.1833;-25.7167	
Wildeharthoek, Pretoria	South Africa		28.1833;-25.7333	
Wolvegatten, Pretoria	South Africa		28.1833;-25.7333	

SE 25028Cb:

Aetana (see also: Christian Brothers College)	South Africa		28.2667;-25.7333	
Baviaanspoort Sewage Works, 21 km NE Pretoria (see also: Pretoria, 21 km NE)	South Africa		28.3631;-25.6903	
Baviaanspoort, Farm 330 (see Farm Baviaanspoort 330), Pretoria, 19 km NE	South Africa		28.3600;-25.6800	
Boekenhoutskloof, Farm (see Farm Boekenhoutskloof), Cullinan	South Africa		28.4167;-25.5167	
Cares	South Africa		28.2500;-25.6667	
Christian Brothers College (see Aetana)	South Africa		28.2667;-25.7333	
Derdepoort, Pretoria	South Africa		28.2889;-25.6806	
Farm 330 (Baviaanspoort) (see Farm Baviaanspoort 330), Pretoria, 19 km NE	South Africa		28.3600;-25.6800	
Farm Baviaanspoort 330, Pretoria, 19 km NE (see also: Baviaanspoort, Farm 330, Farm 330 (Baviaanspoort), Pretoria, 19 km NE)	South Africa		28.3600;-25.6800	
Farm Boekenhoutskloof, Cullinan (see also: Boekenhoutskloof, Farm, Farm Okhotso Boekenhoutskloof, Ohkotso Boekenhoutskloof, Farm)	South Africa		28.4167;-25.5167	
Farm Okhotso Boekenhoutskloof (see Farm Boekenhoutskloof), Cullinan	South Africa		28.4167;-25.5167	
La Montagne, 280 Rotsvygie Street	South Africa		28.3231;-25.7486	
Navors Suburb, Residence, Pretoria	South Africa		28.2667;-25.7333	
Ohkotso Boekenhoutskloof, Farm (see Farm Boekenhoutskloof), Cullinan	South Africa		28.4167;-25.5167	
Pretoria, 19 km NE (see Farm Baviaanspoort 330)	South Africa		28.3600;-25.6800	
Pretoria, 21 km NE (see Baviaanspoort Sewage Works)	South Africa		28.3631;-25.6903	
Queenswood, Pretoria	South Africa		28.2500;-25.7333	1369 m

SE 25028Da:

Cullinan	South Africa		28.5222;-25.6756	1482 m
Farm Ohkotso, Pretoria, 32.6 km, on Molopo Road (see also: Farm Voigt's, Ohkotso, Farm, Pretoria, 32.6 km from, Voigt's; Farm)	South Africa		28.6167;-25.6167	

Farm Voigt's (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road	South Africa	28.6167;-25.6167	
Ohkotso, Farm (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road	South Africa	28.6167;-25.6167	
Pretoria, 32.6 km from (see Farm Ohkotso), on Molopo Road	South Africa	28.6167;-25.6167	
Voigt's; Farm (see Farm Ohkotso), Pretoria, 32.6 km, on Molopo Road	South Africa	28.6167;-25.6167	

SE 25028Cc:

Agricultural Research Council [=ARC] grounds (see Irene), Pretoria	South Africa	28.2164;-25.8689	1469 m
Brooklyn, Pretoria	South Africa	28.2369;-25.7631	
Cave of Death (see Irene), Pretoria	South Africa	28.2164;-25.8689	1469 m
Centurion (see also: Verwoerburg, Verwoerdburg)	South Africa	28.1706;-25.8744	1443 m
Daspoort (see Daspoortrant [mountains]), Pretoria	South Africa	28.0333;-25.7500	
Daspoort Range (see Daspoortrant [mountains]), Pretoria	South Africa	28.0333;-25.7500	
Daspoortrand (see Daspoortrant [mountains]), Pretoria	South Africa	28.0333;-25.7500	
Daspoortrant [mountains], Pretoria (see also: Daspoort, Daspoort Range, Daspoortrand)	South Africa	28.0333;-25.7500	
Fountains [railroad siding] (see Founteine [railroad siding]), Pretoria	South Africa	28.1833;-25.7833	
Fountains Grove (see Founteine [railroad siding]), Pretoria	South Africa	28.1833;-25.7833	
Fountains Valley, Pretoria	South Africa	28.2000;-25.9500	
Fountein Grove (see Founteine [railroad siding])	South Africa	28.1833;-25.7833	
Founteine [railroad siding], Pretoria (see also: Fountains [railroad siding], Fountains Grove, Fountein Grove)	South Africa	28.1833;-25.7833	
Groenkloof, Pretoria	South Africa	28.2000;-25.8000	
Irene (see also: Agricultural Research Council [=ARC] grounds, Cave of Death, Irene cave)	South Africa	28.2164;-25.8689	1469 m
Irene cave (see Irene), Pretoria	South Africa	28.2164;-25.8689	1469 m
Kyalami Kennels, Randburg	South Africa	28.1250;-25.8750	
Monument Park, Pretoria (see also: Monument Park caves)	South Africa	28.2333;-25.8000	1456 m
Munthouse, Pretoria	South Africa	28.1833;-25.8000	
Pretoria Boy's High School	South Africa	28.2297;-25.7586	1368 m
Pretoria, 17 km W (see Schurweberg)	South Africa	28.0075;-25.8108	
Schurueberg Cave 1 (see Schurweberg caves)	South Africa	28.0075;-25.8108	
Schurweberg, Pretoria (see also: Pretoria, 17 km W, Schurweberg caves)	South Africa	28.0075;-25.8108	
Schurweberg caves (see Schurweberg), 17 km W Pretoria (see also: Schurueberg Cave 1)	South Africa	28.0075;-25.8108	
Sunnyside, Pretoria	South Africa	28.2167;-25.7500	1320 m
University of Pretoria, Zoology Building	South Africa	28.2305;-25.7536	1370 m
Valhalla, Pretoria	South Africa	28.1503;-25.8117	1405 m
Verwoerburg (see Centurion), Pretoria	South Africa	28.1706;-25.8744	1443 m
Verwoerdburg (see Centurion)	South Africa	28.1706;-25.8744	1443 m
Waterkloof, Pretoria	South Africa	28.2358;-25.7781	1396 m
Zwartkop cave, Pretoria	South Africa	28.1667;-25.8500	
Zwartkop Military Nature Reserve, Pretoria	South Africa	28.1333;-25.8333	

SE 25028Cd:

Lombardy Willows, Pretoria	South Africa	28.3333;-25.7667	
Lynnwood (see also: Lywood)	South Africa	28.2775;-25.7617	1341 m
Lynnwood Glen, Pretoria	South Africa	28.2772;-25.7617	1341 m
Lywood (see Lynnwood)	South Africa	28.2775;-25.7617	1341 m
Maria van Riebeeck Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria	South Africa	28.2800;-25.8800	
Rietvlei Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria	South Africa	28.2800;-25.8800	
Van Riebeeck Nature Reserve (see Van Riebeeck Natuurreservaat), Pretoria	South Africa	28.2800;-25.8800	

Van Riebeeck Natuurreservaat, Pretoria (see also: Maria van Riebeeck Nature Reserve, Rietvlei Nature Reserve, Van Riebeeck Nature Reserve)	South Africa		28.2800;-25.8800	

SE 25028Dc:

Bronkhorstspruit (see also: Erasmus)	South Africa		28.7406;-25.8083	1375 m
Bronkhorstspruit Dam Nature Reserve	South Africa		28.6842;-25.9544	
Erasmus (see Bronkhorstspruit)	South Africa		28.7406;-25.8083	1375 m
Farm Rietfontein, pt 16, Bronkhorstspruit (see also: Rietfontein, Farm pt 16)	South Africa	ca.	28.7333;-25.8000	
Rietfontein, Farm pt 16 (see Farm Rietfontein, pt 16), Bronkhorstspruit	South Africa	ca.	28.7333;-25.8000	

SE 25028Dd:

Wonderboom, Pretoria (see also: Wonderboom cave)	South Africa		28.8833;-25.8000	1425 m
Wonderboom cave (see Wonderboom), Pretoria	South Africa		28.8833;-25.8000	1425 m

SE 25029Bb:

Luipershoek, Roosenekal, near	South Africa		29.8333;-25.1333	

SE 25029Ad:

Farm 80JS (Vergelegen) (see Farm Vergelegen 80JS)	South Africa		29.3833;-25.4333	
Farm Vergelegen 80JS (see also: Farm 80JS (Vergelegen), Loskop Dam Wall Inspection Tunnel, Vergelegen, Farm 80JS)	South Africa		29.3833;-25.4333	
Loskop (see Loskopdam Natuurreservaat), Witbank	South Africa		29.3000;-25.4333	
Loskop Dam (see Loskopdam Natuurreservaat), Witbank	South Africa		29.3000;-25.4333	
Loskop Dam Nature Reserve (see Loskopdam Natuurreservaat), Witbank	South Africa		29.3000;-25.4333	
Loskop Dam Wall Inspection Tunnel (see Farm Vergelegen 80JS)	South Africa		29.3833;-25.4333	
Loskopdam Nature Reserve (see Loskopdam Natuurreservaat)	South Africa		29.3000;-25.4333	
Loskopdam Natuurreservaat, Witbank (see also: Loskop, Loskop Dam, Loskop Dam Nature Reserve, Loskopdam Nature Reserve, Loskopdam Natuurreserwe)	South Africa		29.3000;-25.4333	
Loskopdam Natuurreserwe (see Loskopdam Natuurreservaat), Witbank	South Africa		29.3000;-25.4333	
Vergelegen, Farm 80JS (see Farm Vergelegen 80JS)	South Africa		29.3833;-25.4333	

SE 25029Bd:

Blaauwbank, Farm 168JS (see Farm Blaauwbank 168JS), Groblersdal, E	South Africa		29.7833;-25.3167	
Farm 168JS (Blaauwbank) (see Farm Blaauwbank 168JS), Groblersdal, E	South Africa		29.7833;-25.3167	
Farm Blaauwbank 168JS, Groblersdal, E (see also: Blaauwbank, Farm 168JS, Farm 168JS (Blaauwbank))	South Africa		29.7833;-25.3167	

SE 25029Ca:

Farm 447JR (Zusterstroom) (see Farm Zusterstroom 447JR)	South Africa		29.0000;-25.5833	
Farm 495JR (Sterkfontein) (see Telperion Nature Reserve)	South Africa		29.0175;-25.7114	
Farm Sterkfontein 495JR (see Telperion Nature Reserve)	South Africa		29.0175;-25.7114	
Farm Zusterstroom 447JR (see also: Farm 447JR (Zusterstroom), Zusterstroom, Farm 447JR)	South Africa		29.0000;-25.5833	
Starkfontein, Farm 495JR (see Telperion Nature Reserve)	South Africa		29.0175;-25.7114	
Telperion Nature Reserve (see also: Farm 495JR (Sterkfontein), Farm Sterkfontein 495JR, Starkfontein, Farm 495JR)	South Africa		29.0175;-25.7114	
Zusterstroom, Farm 447JR (see Farm Zusterstroom 447JR)	South Africa		29.0000;-25.5833	

SE 25029Db:

Farm 360JS (Skoongesig) (see Farm Skoongesig 360JS), Languitsig	South Africa	29.8667;-25.6167	
Farm Skoongesig 360JS, Languitsig (see also: Farm 360JS (Skoongesig), Skoongesig, Farm 360JS)	South Africa	29.8667;-25.6167	
Skoongesig, Farm 360JS (see Farm Skoongesig 360JS), Languitsig	South Africa	29.8667;-25.6167	

SE 25029Cd:

Farm Rietfontein, Middleburg (see also: Rietfontein, Farm)	South Africa	29.3833;-25.8833	
Jane Furse Hospital, Middleburg	South Africa	29.3833;-25.8667	
Rietfontein, Farm (see Farm Rietfontein), Middleburg	South Africa	29.3833;-25.8833	

SE 25029Dd:

Farm Wonderfontein, 48 km E Middelburg (see also: Middelberg, 48 km E, Middelburg, 48 km E, River cave, Wonderfontein, Farm)	South Africa	29.9167;-25.8333	
Middelberg, 48 km E (see Farm Wonderfontein)	South Africa	29.9167;-25.8333	
Middelburg, 48 km E (see Farm Wonderfontein)	South Africa	29.9167;-25.8333	
River cave (see Farm Wonderfontein), 48 km E Middelberg	South Africa	29.9167;-25.8333	
Wonderfontein, Farm (see Farm Wonderfontein), 48 km E Middelburg	South Africa	29.9167;-25.8333	

SE 25030Aa:

De Kafferskraal, Farm 53JT (see Farm De Kafferskraal 53JT)	South Africa	30.1478;-25.1825	
Farm 53JT (De Kafferskraal) (see Farm De Kafferskraal 53JT)	South Africa	30.1478;-25.1825	
Farm 55JT (Kraaibosch) (see Farm Kraaibosch 55JT)	South Africa	30.2019;-25.1703	1784 m
Farm De Kafferskraal 53JT (see also: De Kafferskraal, Farm 53JT, Farm 53JT (De Kafferskraal))	South Africa	30.1478;-25.1825	
Farm Kraaibosch 55JT, Lydenberg (see also: Farm 55JT (Kraaibosch), Kraaibosch, Farm 55JT)	South Africa	30.2019;-25.1703	1784 m
Kraaibosch, Farm 55JT (see Farm Kraaibosch 55JT)	South Africa	30.2019;-25.1703	1784 m

SE 25030Ab:

Farm 33JT (Sterkspruit) (see Farm Sterkspruit 33JT), Lydenberg	South Africa	30.4806;-25.1139	1450 m
Farm 67JT (Klipsteen) (see Farm Klipsteen 67JT)	South Africa	30.3032;-25.2235	
Farm Klipsteen 67JT (see also: Farm 67JT (Klipsteen), Klipsteen, Farm 67JT)	South Africa	30.3032;-25.2235	
Farm Sterkspruit 33JT, Lydenberg (see also: Farm 33JT (Sterkspruit), Lydenberg Fisheries, Lydenberg Vissery, Lydenburg Fisheries, Sterkspruit, Farm 33JT)	South Africa	30.4806;-25.1139	1450 m
Klipsteen, Farm 67JT (see Farm Klipsteen 67JT)	South Africa	30.3032;-25.2235	
Lydenberg Fisheries (see Farm Sterkspruit 33JT)	South Africa	30.4806;-25.1139	1450 m
Lydenberg Vissery (see Farm Sterkspruit 33JT)	South Africa	30.4806;-25.1139	1450 m
Lydenburg, Lydenburg (see also: Lydenburg Krantz)	South Africa	30.4500;-25.1000	1363 m
Lydenburg Fisheries (see Farm Sterkspruit 33JT), Lydenberg	South Africa	30.4806;-25.1139	1450 m
Lydenburg Krantz (see Lydenburg), Lydenburg	South Africa	30.4500;-25.1000	
Sterkspruit, Farm 33JT (see Farm Sterkspruit 33JT), Lydenberg	South Africa	30.4806;-25.1139	1450 m

SE 25030Ba:

Farm 217JT (Klipgat) (see Farm Klipgat 217JT)	South Africa	30.7167;-25.1833	
Farm Klipgat 217JT (see also: Farm 217JT (Klipgat), Klipgat, Farm 217JT)	South Africa	30.7167;-25.1833	

Klipgat, Farm 217JT (see Farm Klipgat 217JT)	South Africa		30.7167;-25.1833	
Sabie Forest Rest Area (see Sabie)	South Africa		30.6500;-25.1333	

SE 25030Bb:

Feather River [farmstead]	South Africa		30.8945;-25.0039	1350 m
Sabie (see also: Sabie Forest Rest Area)	South Africa		30.8000;-25.1000	

SE 25030Ac:

Dullstroom Town	South Africa		30.1167;-25.4167	1964 m
Elandsklip, P.K. Santa, Belfast	South Africa		30.1667;-25.3333	
Farm 124 (Groot Suikerboschkop) (see Farm Groot Suikerboschkop 124), Dullstroom	South Africa		30.1000;-25.4100	
Farm 124 (Grootsuikerboschkop) (see Farm Groot Suikerboschkop 124), Dullstroom	South Africa		30.1000;-25.4100	
Farm Groot Suikerboschkop 124, Dullstroom (see also: Farm 124 (Groot Suikerboschkop), Farm 124 (Grootsuikerboschkop), Farm Grootsuikerboschkop 124, Groot Suikerboschkop, Farm 124, Grootsuikerboschkop, Farm 124)	South Africa		30.1000;-25.4100	
Farm Grootsuikerboschkop 124 (see Farm Groot Suikerboschkop 124), Dullstroom	South Africa		30.1000;-25.4100	
Farms Grootsuikerboschkop & Elandslaagte, Dullstroom (see also: Grootsuikerboschkop, Farm & Elandslaagte, Farm)	South Africa	ca.	30.1000;-25.4000	
Groot Suikerboschkop, Farm 124 (see Farm Groot Suikerboschkop 124), Dullstroom	South Africa		30.1000;-25.4100	
Grootsuikerboschkop, Farm & Elandslaagte, Farm (see Farms Grootsuikerboschkop & Elandslaagte), Dullstroom	South Africa	ca.	30.1000;-25.4000	
Grootsuikerboschkop, Farm 124 (see Farm Groot Suikerboschkop 124), Dullstroom	South Africa		30.1000;-25.4100	

SE 25030Ad:

Badfontein, Farm 114JT (see Farm Badfontein 114JT), Kwena	South Africa		30.3877;-25.2917	
Farm 114JT (Badfontein) (see Farm Badfontein 114JT), Kwena	South Africa		30.3877;-25.2917	
Farm Badfontein 114JT, Kwena (see also: Badfontein, Farm 114JT, Farm 114JT (Badfontein), Kwena)	South Africa		30.3877;-25.2917	
Kwena (see Farm Badfontein 114JT)	South Africa		30.3877;-25.2917	
Ranshas Ld	South Africa		30.3333;-25.3333	

SE 25030Bc:

Buffelskloof Private Nature Reserve (see Farm Uitkyk 264JT)	South Africa		30.5000;-25.3000	
Farm 264JT (Uitkyk) (see Farm Uitkyk 264JT)	South Africa		30.5000;-25.3000	
Farm 271JT (Sudwalaskraal) (see Farm Sudwalaskraal 271JT)	South Africa		30.6167;-25.3667	
Farm Sudwalaskraal 271JT (see also: Farm 271JT (Sudwalaskraal), Sudwalaskraal, Farm 271JT)	South Africa		30.6167;-25.3667	
Farm Uitkyk 264JT (see also: Buffelskloof Private Nature Reserve, Farm 264JT (Uitkyk), Uitkyk, Farm 264JT)	South Africa		30.5000;-25.3000	
Mayo, 20 km W Nelspruit (see also: Nelspruit, 20 km W)	South Africa		30.7400;-25.3700	1015 m
Miggiesgat cave (see Sudwala Cave), Nelspruit	South Africa		30.7000;-25.3667	845 m
Muggiesgat cave (see Sudwala Cave)	South Africa		30.7000;-25.3667	845 m
Nelspruit, 20 km W (see Mayo)	South Africa		30.7400;-25.3700	1015 m
Nelspruit, 40 km W (see Sudwala Mines)	South Africa		30.6800;-25.3900	902 m
Sudwala Cave, Nelspruit (see also: Miggiesgat cave, Muggiesgat cave, Sudwala Cave area, Sudwalagrotte)	South Africa		30.7000;-25.3667	845 m
Sudwala Cave area (see Sudwala Cave), Nelspruit	South Africa		30.7000;-25.3667	845 m
Sudwala Mine 2, Nelspruit	South Africa		30.6167;-25.3667	
Sudwala Mines, 40 km W Nelspruit (see also: Nelspruit, 40 km W)	South Africa		30.6800;-25.3900	902 m
Sudwalagrotte (see Sudwala Cave), Nelspruit	South Africa		30.7000;-25.3667	845 m

Sudwalaskraal, Farm 271JT (see Farm Sudwalaskraal 271JT)	South Africa	30.6167;-25.3667	
Uitkyk, Farm 264JT (see Farm Uitkyk 264JT)	South Africa	30.5000;-25.3000	

SE 25030Bd:

Nelspruit	South Africa	30.9667;-25.4667	676 m
Nelspruit, 4 mi [=6.4 km] E, 2 mi [=3.2 km] S	South Africa	30.9833;-25.4833	
Nelspruit, near	South Africa	30.9833;-25.4667	

SE 25030Ca:

Berg-en-Dal	South Africa	30.0939;-25.7439	1810 m
Farm 164JT (In-de-Diepte) (see Farm In-de-Diepte 164JT)	South Africa	30.0167;-25.7167	
Farm In-de-Diepte 164JT (see also: Farm 164JT (In-de-Diepte), In-de-Diepte, Farm 164JT)	South Africa	30.0167;-25.7167	
In-de-Diepte, Farm 164JT (see Farm In-de-Diepte 164JT)	South Africa	30.0167;-25.7167	

SE 25030Cb:

Belfast Town	South Africa	30.3333;-25.6833	
Sycamore Station, 10 mi NE Waterval Onder (see also: Waterval Onder, 10 mi [=16 km] NE)	South Africa	30.4333;-25.6000	
Waterval Onder, 10 mi [=16 km] NE (see Sycamore Station)	South Africa	30.4333;-25.6000	

SE 25030Da:

Ngodwena	South Africa	30.6167;-25.6167	

SE 25030Db:

Barberton, 10.4 km NNE (see Chambaire Nursery)	South Africa	30.9775;-25.7031	675 m
Berlin, Farm 446JT (see also: Farm 446JT (Berlin), Farm Berlin 446JT)	South Africa	30.7746;-25.5132	
Chambaire Nursery, 10.4 km NNE Barberton (see also: Barberton, 10.4 km NNE)	South Africa	30.9775;-25.7031	675 m
Farm 446JT (Berlin) (see Berlin, Farm 446JT)	South Africa	30.7746;-25.5132	
Farm Berlin 446JT (see Berlin, Farm 446JT)	South Africa	30.7746;-25.5132	
Kaapse Hoop, Farm Drysdale	South Africa	30.7667;-25.5500	

SE 25030Cd:

Farm Waterval, Machadadorp (see also: Third Mine Tunnel, Waterval, Farm)	South Africa	30.3027;-25.8751	
Third Mine Tunnel (see Farm Waterval)	South Africa	30.3219;-25.8697	
Waterval, Farm (see Farm Waterval), Machadadorp	South Africa	30.3027;-25.8751	

SE 25030Dc:

Badplaas (see also: Badplaats, Die Bad)	South Africa	30.5667;-25.9528	1058 m
Badplaats (see Badplaas)	South Africa	30.5667;-25.9528	1058 m
Die Bad (see Badplaas)	South Africa	30.5667;-25.9528	1058 m
Farm 544JT (Onverwacht) (see Farm Onverwacht 544JT), Sjonajona	South Africa	30.7013;-25.7605	
Farm Onverwacht 544JT, Sjonajona (see also: Farm 544JT (Onverwacht), Onverwacht, Farm 544JT)	South Africa	30.7013;-25.7605	
Onverwacht, Farm 544JT (see Farm Onverwacht 544JT), Sjonajona	South Africa	30.7013;-25.7605	
Vygeboom Dam, Albert Luthuli Municipality, Kafferskraal 618 JT	South Africa	30.5944;-25.8692	1067 m

SE 25030Dd:

Barberton, 14 km NW	South Africa	30.9000;-25.7833	
Barberton, 14 mi [=22 km] W	South Africa	ca. 30.9000;-25.7833	
Barberton, 2 mi [=3.2 km] SW	South Africa	ca. 30.9000;-25.7833	

SE 25031Aa:

eLegogoto, mountain, Nelspruit (see also: Legogoto, Logogoto, Logogotu, Lugogodo, Mount eLegogoto)	South Africa		31.0833;-25.2333	
Kanaan, Hazyview, near	South Africa		31.1000;-25.0667	ca. 557 m
Legogoto (see eLegogoto, mountain), Nelspruit	South Africa		31.0833;-25.2333	
Logogoto (see eLegogoto, mountain), Nelspruit	South Africa		31.0833;-25.2333	
Logogotu (see eLegogoto, mountain), Nelspruit	South Africa		31.0833;-25.2333	
Lugogodo (see eLegogoto, mountain), Nelspruit	South Africa		31.0833;-25.2333	
Makupana cave, Pretoriuskop	South Africa	ca.	31.2000;-25.1500	
Mount eLegogoto (see eLegogoto, mountain), Nelspruit	South Africa		31.0833;-25.2333	
Sabi & White Sands rivers confluence, Hazyview	South Africa		31.1669;-25.0239	
Sanbonani, Hazyview	South Africa		31.1586;-25.0317	

SE 25031Ab:

Kruger National Park (Mpumalanga province)	South Africa		31.3219;-25.0606	
Matupa Koppie, Pretoriuskop section	South Africa		31.3219;-25.0606	
N'Waswitshaka Experimental Burn Plots	South Africa		31.3817;-25.0800	
Pretorius Kop Rest Camp (see Pretoriuskop)	South Africa		31.2675;-25.1703	613 m
Pretoriuskop (see also: Pretorius Kop Rest Camp, Pretoriuskop Rest Camp, Pretoriuskop Ruskamp)	South Africa		31.2675;-25.1703	613 m
Pretoriuskop Rest Camp (see Pretoriuskop)	South Africa		31.2675;-25.1703	613 m
Pretoriuskop Ruskamp (see Pretoriuskop)	South Africa		31.2675;-25.1703	613 m
Pretoriuskop section	South Africa		31.3219;-25.0606	

SE 25031Ba:

Nwaswitshaka [intermittent stream]	South Africa		31.5667;-25.0167	
Renosterkoppies, 15 km S Skukuza (see also: Rhenosterkoppies, Skukuza, 15 km S)	South Africa		31.6017;-25.1269	
Renosterkoppies, 15 km S, Witrivier	South Africa		31.6167;-25.1333	
Rhenosterkoppies (see Renosterkoppies), 15 km S Skukuza	South Africa		31.6017;-25.1269	
Shirimantanga, 5.5 mi SE Skukuza (see also: Skukuza Kop, Skukuza Koppies, Skukuza, 5.5 mi [=8.8 km] SE)	South Africa		31.6000;-25.1000	
Skukuza Kop (see Shirimantanga), 5.5 mi SE Skukuza	South Africa		31.6000;-25.1000	
Skukuza Koppies (see Shirimantanga), 5.5 mi SE Skukuza	South Africa		31.6000;-25.1000	
Skukuza, 15 km S (see Renosterkoppies)	South Africa		31.6017;-25.1269	
Skukuza, 5.5 mi [=8.8 km] SE (see Shirimantanga)	South Africa		31.6000;-25.1000	
Xirimantanga	South Africa		31.5950;-25.1067	

SE 25031Bb:

Laer Sabie Ruskamp (see Onder-Sabie)	South Africa		31.9167;-25.1167	
Lower Sabi Camp (see Lower Sabie Rest Camp)	South Africa		31.9167;-25.1167	
Lower Sabie (see Onder-Sabie)	South Africa		31.9167;-25.1167	
Lower Sabie Rest Camp (see Onder-Sabie) (see also: Lower Sabi Camp)	South Africa		31.9167;-25.1167	
Lower Sabie Ruskamp (see Onder-Sabie)	South Africa		31.9167;-25.1167	
Onder-Sabie (see also: Laer Sabie Ruskamp, Lower Sabie, Lower Sabie Rest Camp, Lower Sabie Ruskamp , Onder-Sabie Ruskamp)	South Africa		31.9167;-25.1167	
Onder-Sabie Ruskamp (see Onder-Sabie)	South Africa		31.9167;-25.1167	

SE 25031Ac:

Witrivier, 11 mi [=17.7 km] W	South Africa		31.0500;-25.3000	
Witrivier, 11 mi W	South Africa		31.0500;-25.3000	

SE 25031Ad:

Barberton, 11 km ENE (see Figaro Mine)	South Africa		31.4667;-25.4500	
Figaro Mine, 11 km ENE Barberton (see also: Barberton, 11 km ENE)	South Africa		31.4667;-25.4500	
Stoltzneck dam (see Stoltznek Dam)	South Africa		31.3667;-25.3667	

Stoltzneck Ranger's Post (see also: Stolznek house)	South Africa		31.3667;-25.3667	
Stoltznek Dam (see also: Stoltzneck dam)	South Africa		31.3667;-25.3667	
Stolznek house (see Stoltzneck Ranger's Post)	South Africa		31.3333;-25.3333	

SE 25031Bc:

Crocodile River (see Malelane Ranger's Post, 2 km W, on N Bank Crocodile River), 2 km W Malelane Ranger's Post on N Bank	South Africa		31.5167;-25.4833	
Farm 175JU (Thankerton) (see Farm Thankerton 175JU)	South Africa		31.6574;-25.4392	
Farm Hectorspruit, Barbeton (see also: Hectorspruit, Farm)	South Africa		31.6667;-25.4333	
Farm Thankerton 175JU (see also: Farm 175JU (Thankerton), Thankerton, Farm 175JU)	South Africa		31.6574;-25.4392	
Hectorspruit, Nelspruit	South Africa		31.6833;-25.4333	245 m
Hectorspruit, Farm (see Farm Hectorspruit), Barbeton	South Africa		31.6667;-25.4333	
Malalane area (see Malelane area)	South Africa		31.5167;-25.4833	
Malelane (see also: Malelane Estate, Malelane Old Mine Shaft)	South Africa		31.5167;-25.4833	271 m
Malelane area (see also: Malalane area)	South Africa		31.5167;-25.4833	
Malelane Estate (see Malelane), Barberton district	South Africa		31.5167;-25.4833	271 m
Malelane Old Mine Shaft (see Malelane)	South Africa		31.5167;-25.4833	271 m
Malelane Ranger's Post, 2 km W, on N Bank Crocodile River (see also: Crocodile River)	South Africa		31.5167;-25.4833	
Malelane Rangers Quarters	South Africa		31.5114;-25.4772	
Malelane, 11 km ENE	South Africa	ca.	31.5486;-25.3713	
Thankerton, Farm 175JU (see Farm Thankerton 175JU)	South Africa		31.6574;-25.4392	

SE 25031Bd:

Crocodile Bridge Rest Camp (see Krokodilburg)	South Africa		31.9000;-25.3500	
Crocodile bridge, 3 km N (see Gezantombi waterhole)	South Africa		31.8667;-25.3333	
Farm 112JU (Tenbosch) (see Farm Tenbosch 112JU)	South Africa		31.9226;-25.3764	
Farm Tenbosch 112JU (see also: Farm 112JU (Tenbosch), Tenbosch, Farm 112JU)	South Africa		31.9226;-25.3764	
Gezantombi waterhole, 3 km N Crocodile bridge (see also: Crocodile bridge, 3 km N)	South Africa		31.8667;-25.3333	
Hectorspruit, 10 km NE (see Ten Bosch Estates)	South Africa		31.8333;-25.3333	
Komati River	South Africa		31.9500;-25.4333	
Komatipoort, 62 km SE Skukuza (see also: Skukuza, 62 km SE)	South Africa		31.9333;-25.4333	137 m
Komatipoort, 3 mi [=4.8 km] NE (see TSD Sugar Estate No.3 Section)	South Africa	ca.	31.9511;-25.3953	
Komatipoort, 3.2 km N	South Africa	ca.	31.9547;-25.4086	
Krokodilburg (see also: Crocodile Bridge Rest Camp)	South Africa		31.9000;-25.3500	
Lionspruit	South Africa		31.7819;-25.3718	
Marloth Park (see also: Nkomazi Municipality complex, approx 1.5 km NNW, Nkomazi Municipality Park)	South Africa		31.7833;-25.3667	210 m
Ngwenya, Komatipoort	South Africa		31.8600;-25.3700	
Ngwenya Lodge, 11 km NW Komatipoort	South Africa		31.8589;-25.3769	
Nkomazi Municipality complex, approx 1.5 km NNW (see Marloth Park)	South Africa		31.7833;-25.3667	210 m
Nkomazi Municipality Park (see Marloth Park)	South Africa		31.7833;-25.3667	210 m
Skukuza, 62 km SE (see Komatipoort)	South Africa		31.9333;-25.4333	137 m
Ten Bosch Estates, 10 km NE Hectorspruit (see also: Hectorspruit, 10 km NE)	South Africa		31.8333;-25.3333	
Tenbosch, Farm 112JU (see Farm Tenbosch 112JU)	South Africa		31.9226;-25.3764	
TSD Sugar Estate No.3 Section, 3 mi NE Komatipoort (see also: Komatipoort, 3 mi [=4.8 km] NE)	South Africa	ca.	31.9511;-25.3953	

SE 25031Ca:

Fairview mine, Barberton	South Africa		31.1125;-25.7200	
Nelspruit, 19 km SE (see Uitkyk and Paranie Private Nature Reserve)	South Africa		31.1000;-25.6000	
Nelspruit, 32 km NW	South Africa		31.0000;-25.5000	

Uitkyk and Paranie Private Nature Reserve, 19 km SE Nelspruit (see also: Nelspruit, 19 km SE)	South Africa		31.1000;-25.6000	

SE 25031Cb:

Horo	South Africa		31.3667;-25.6167	
Imperial mine (see Louw's Creek), Barberton	South Africa		31.2833;-25.6333	380 m
Kaap river	South Africa		31.3167;-25.5333	
Louw's Creek, Barberton (see also: Imperial mine, Lowes Creek)	South Africa		31.2833;-25.6333	380 m
Lowes Creek (see Louw's Creek), Barberton	South Africa		31.2833;-25.6333	380 m
Malelane, 7 mi [=11 km] SW	South Africa	ca.	31.4690;-25.5548	

SE 25031Da:

Kaalrug	South Africa		31.5500;-25.6000	
Malelane, 18 km S (see Schoemans Farm "Laughing Waters")	South Africa	ca.	31.5458;-25.6514	
Schoemans Farm "Laughing Waters", 18 km S Malelane (see also: Malelane, 18 km S)	South Africa	ca.	31.5458;-25.6514	

SE 25031Cc:

Barberton (see also: Umhlumna)	South Africa		31.0500;-25.7833	786 m
Barberton (mine) tunnel	South Africa		31.0492;-25.7994	596 m
Buffalo mine, Barberton	South Africa		31.0500;-25.7667	
Cinnabar mine	South Africa		31.0100;-25.8100	
Mountainland Nature Reserve, Umjindi municipality, Barberton, 68 km SE Sudwala	South Africa		31.1142;-25.7539	741 m
Nottinghill Mine	Swaziland		31.1700;-25.9600	
Umhlumi, Barberton District	South Africa		31.1167;-25.8167	
Umhlumna (see Barberton)	South Africa		31.0500;-25.7833	786 m

SE 25031Cd:

Horo, in old mine drive	Swaziland		31.4167;-25.7500	344 m
Lomati Gold Mine	Swaziland		31.2944;-25.8208	520 m
Ngonini estates	Swaziland		31.4089;-25.8000	421 m
Piggs Peak (see also: Piggs Peak Mine, The Peak)	Swaziland		31.2500;-25.9667	
Piggs Peak Mine (see Piggs Peak)	Swaziland		31.2500;-25.9667	
The Peak (see Piggs Peak)	Swaziland		31.2500;-25.9667	
Wyldesdale Gold Mine (see Wylesdale Gold Mine)	Swaziland		31.2833;-25.8167	542 m
Wylesdale Gold Mine, in old mine drive (see also: Wyldesdale Gold Mine)	Swaziland		31.2833;-25.8167	542 m

SE 25031Dc:

Mkhuzweni Primary School	Swaziland		31.5167;-25.8833	
Tahaneni (see Tshaneni)	Swaziland		31.7167;-25.9833	321 m
Tshaneni (see also: Tahaneni, T'shaneni)	Swaziland		31.7167;-25.9833	321 m
T'shaneni (see Tshaneni)	Swaziland		31.7167;-25.9833	321 m
Tshaneni Iysis Ranch	Swaziland		31.7167;-25.9667	302 m

SE 25032Aa:

Lower Sabie Rest Camp, 15 km SE	South Africa		32.0333;-25.1972	

SE 25032Ba:

Magude, 24 km SW	Mozambique		32.5170;-25.1830	

SE 25032Bb:

Palmiera	Mozambique		32.8322;-25.2172	

SE 25032Ad:

Sabi river	Mozambique		32.3167;-25.3333	

SE 25032Bd:

Manhiça (see also: Vila da Manhiça)	Mozambique		32.8072;-25.4022	57 m
Vila da Manhiça (see Manhiça)	Mozambique		32.8072;-25.4022	57 m

SE 25032Ca:

Moamba	Mozambique		32.2433;-25.5961	112 m

SE 25032Cc:

Naa Macha (see Namaacha)	Mozambique		32.0256;-25.9703	547 m
Namaacha (see also: Naa Macha, Namahacha)	Mozambique		32.0256;-25.9703	547 m
Namahacha (see Namaacha)	Mozambique		32.0256;-25.9703	547 m

SE 25032Cd:

Boane, 1 mi [=1.6 km] NE	Mozambique		32.3330;-25.9670	
Boane, 10 km N	Mozambique		32.3170;-25.9330	
Cidade de Matola (see Matola)	Mozambique		32.4589;-25.9622	3 m
Matola (see also: Cidade de Matola, Vila Salazar)	Mozambique		32.4589;-25.9622	3 m
Vila Salazar (see Matola)	Mozambique		32.4589;-25.9622	3 m

SE 25032Dc:

Alagoa Bay (see Maputo Bay)	Mozambique	ca.	32.7000;-25.9833	
Bahia de Machangulo (see Maputo Bay)	Mozambique	ca.	32.7000;-25.9833	
Baia de Alagoa (see Maputo Bay)	Mozambique	ca.	32.7000;-25.9833	
Baia de Dalagoa (see Maputo Bay)	Mozambique	ca.	32.7000;-25.9833	
Baía de Lourenço Marques (see Maputo Bay)	Mozambique	ca.	32.7000;-25.9833	
Baía de Maputo (see Maputo Bay)	Mozambique	ca.	32.7000;-25.9833	
Bela Vista	Mozambique		32.5000;-25.9667	5 m
Can Pfumo (see Maputo)	Mozambique		32.5892;-25.9653	63 m
Delagoa Bay (see Maputo Bay)	Mozambique	ca.	32.7000;-25.9833	
Kapfumo (see Maputo)	Mozambique		32.5892;-25.9653	63 m
Lourenço Marques (see Maputo)	Mozambique		32.5892;-25.9653	63 m
Lourenco Marques, 2 mi [=3.2 km] N	Mozambique		32.5892;-25.9653	100 ft
Mabutu (see Maputo)	Mozambique		32.5892;-25.9653	63 m
Machangulo Bay (see Maputo Bay)	Mozambique	ca.	32.7000;-25.9833	
Maputo (see also: Can Pfumo, Kapfumo, Lourenço Marques, Mabutu)	Mozambique		32.5892;-25.9653	63 m
Maputo Bay (see also: Alagoa Bay, Bahia de Machangulo, Baia de Alagoa, Baia de Dalagoa, Baía de Lourenço Marques, Baía de Maputo, Delagoa Bay, Machangulo Bay)	Mozambique	ca.	32.7000;-25.9833	
Maputo, 2 mi [=3.2 km] N	Mozambique		32.5892;-25.9653	

SE 25032Dd:

Inkomati River, Kangwane	South Africa		32.7500;-25.8333	

SE 25033Ba:

Chai Chai (see Xai-Xai), Maputo, 200 km N	Mozambique		33.6442;-25.0519	9 m
Joa Belo (see Xai-Xai), Maputo, 200 km N	Mozambique		33.6442;-25.0519	9 m
João Belo (see Xai-Xai), Maputo, 200 km N	Mozambique		33.6442;-25.0519	9 m
Shai-Shai (see Xai-Xai), Maputo, 200 km N	Mozambique		33.6442;-25.0519	9 m
Vila de João Belo (see Xai-Xai), Maputo, 200 km N	Mozambique		33.6442;-25.0519	9 m
Vila-João-Belo (see Xai-Xai), Maputo, 200 km N	Mozambique		33.6442;-25.0519	9 m
Xai-Xai, Maputo, 200 km N (see also: Chai Chai, Joa Belo, João Belo, Shai-Shai, Vila de João Belo, Vila-João-Belo)	Mozambique		33.6442;-25.0519	9 m

SE 25045Aa:

Beloha	Madagascar		45.0500;-25.1667	

SE 25045Ab:

Beratro	Madagascar		45.2833;-25.0000	213 m

SE 25045Ad:

Tisihombe (see Tsiombe)	Madagascar		45.4833;-25.3000	63 m
Tsihombe (see Tsiombe)	Madagascar		45.4833;-25.3000	63 m
Tsiombe (see also: Tisihombe, Tsihombe, Tsiombe-Androy)	Madagascar		45.4833;-25.3000	63 m
Tsiombe-Androy (see Tsiombe)	Madagascar		45.4833;-25.3000	63 m

SE 25045Da:

Betanty (see also: Faux Cap, Port de Faux Cap)	Madagascar		45.5167;-25.5667	34 m
Faux Cap (see Betanty)	Madagascar		45.5167;-25.5667	34 m
Port de Faux Cap (see Betanty)	Madagascar		45.5167;-25.5667	34 m

SE 25046Aa:

Ambovombe	Madagascar		46.0833;-25.1667	135 m
Ambovombe, near (see Lower Fiherenana Valley)	Madagascar	ca.	46.0833;-25.1667	
Lower Fiherenana Valley, near Ambovombe (see also: Ambovombe, near)	Madagascar	ca.	46.0833;-25.1667	

SE 25046Ab:

Amboasary, 12 km ENE and Ranopiso, 20 km WNW (see Itaranta River, near)	Madagascar		46.4667;-25.0833	40 m
Itaranta, 20 km WNW Ranopiso (see also: Ranopiso, 20 km WNW)	Madagascar		46.4833;-25.0167	67 m
Itaranta River, near (see also: Amboasary, 12 km ENE and Ranopiso, 20 km WNW, Ranopiso, 20 km WNW and Amboasary, 12 km ENE)	Madagascar		46.4667;-25.0833	40 m
Ranopiso, 20 km WNW (see Itaranta)	Madagascar		46.4833;-25.0167	67 m
Ranopiso, 20 km WNW and Amboasary, 12 km ENE (see Itaranta River, near)	Madagascar		46.4667;-25.0833	40 m

SE 25046Ba:

Andrahomana cave	Madagascar	ca.	46.6667;-25.1833	
Anosy river, 11 km SW near (see Bevilany)	Madagascar		46.5000;-25.0167	
Bevilany, 11 km SW near Anosy River (see also: Anosy river, 11 km SW near)	Madagascar		46.5000;-25.0167	40 m

SE 25046Bb:

Manambaro, 5 - km SE (see Petriky Forest)	Madagascar		46.8830;-25.0670	20 m
Petriky Forest, 5 - 7 km SE Manambaro (see also: Manambaro, 5 - km SE)	Madagascar		46.8830;-25.0670	20 m
Tolagnaro, 2 km WNW	Madagascar		46.9830;-25.0170	20 m

SE 25047Aa:

Faradofay (see Tolanaro)	Madagascar		47.0000;-25.0333	0 m
Fort Dauphin	Madagascar		47.0000;-25.0333	
Fort-Dauphin (see Tolanaro)	Madagascar		47.0000;-25.0333	20 m
Fort-Dauphin, 13 km NE (see Tolanaro, 13 km NE)	Madagascar		47.0000;-25.0167	
Fort-Dauphin, 16 km NE (see Tolanaro, 13 km NE)	Madagascar		47.0000;-25.0167	
Fort-Dauphin, 32 km NE (see Tolanaro, 32 km NE)	Madagascar		47.0000;-25.0333	
Fort-Dauphin, near	Madagascar	ca.	47.0000;-25.0333	
Mandromondromotra River (see Tolanaro, 13 km NE)	Madagascar		47.0000;-25.0167	
Taolanara (see Tolanaro)	Madagascar		47.0000;-25.0333	0 m
Tôlagnaro	Madagascar		47.0000;-25.0333	0 m
Tôla?aro (see Tolanaro)	Madagascar		47.0000;-25.0333	20 m
Tolanaro (see also: Faradofay, Fort-Dauphin, Taolanara, Tôla?aro, Tolanaro)	Madagascar		47.0000;-25.0333	20 m
Tolanaro (see Tolanaro)	Madagascar		47.0000;-25.0333	0 m

Tolanaro, 13 km NE (see also: Fort-Dauphin, 13 km NE, Fort-Dauphin, 16 km NE, Mandromondromotra River)	Madagascar		47.0000;-25.0167	
Tolanaro, 16 km NE	Madagascar		47.0000;-25.0167	
Tolanaro, 32 km NE (see also: Fort-Dauphin, 32 km NE)	Madagascar		47.0000;-25.0333	
Tolanaro, near	Madagascar	ca.	47.0000;-25.0333	

SE 26016Ba:

Namib Berge (see Tiras Mountains)	Namibia		16.5000;-26.1333	
Tiras Mountains (see also: Namib Berge, Tirasberge)	Namibia		16.5000;-26.1333	
Tirasberge (see Tiras Mountains)	Namibia		16.5000;-26.1333	

SE 26016Cb:

Aus, 1 km W	Namibia		16.2667;-26.6667	1483 m
Aus, 3 km W (see Klein Aus Farm 8)	Namibia		16.2500;-26.6500	
Klein Aus Farm 8, 3 km W Aus (see also: Aus, 3 km W)	Namibia		16.2500;-26.6500	

SE 26016Db:

Kuibis (farmstead)	Namibia		16.8667;-26.6833	

SE 26017Ca:

Bethanien district	Namibia		17.0000;-26.5000	

SE 26017Cd:

Farm Rheinvels, 35 km SSW Keetmanshoop (see also: Keetmanshoop, 35 km SSW)	Namibia		17.4333;-26.9500	
Keetmanshoop, 35 km SSW (see Farm Rheinvels)	Namibia		17.4333;-26.9500	

SE 26018Ad:

Spitzkopje	Namibia		18.4667;-26.4000	

SE 26018Ca:

Keetmanshoop	Namibia		18.1333;-26.5833	984 m

SE 26019Ca:

Keetmanshoop district	Namibia		19.0000;-26.5000	

SE 26020Ba:

Kamferboom, 20 mi [=32 km] NW Twee Rivieren (see also: Kamfersboom, Twee Rivieren, 20 mi [=32 km] NW)	South Africa		20.6167;-26.1167	
Kamfersboom (see Kamferboom), 20 mi [=32 km] NW Twee Rivieren	South Africa		20.6167;-26.1167	
Twee Rivieren, 20 mi [=32 km] NW (see Kamferboom)	South Africa		20.6167;-26.1167	

SE 26020Bb:

Leeuwdril, 13 km NE Twee Rivieren (see also: Twee Rivieren, 13 km NE)	South Africa		20.8333;-26.1186	
Twee Rivieren, 13 km NE (see Leeuwdril)	South Africa		20.8500;-26.1167	

SE 26020Bc:

Nassob	South Africa		20.6167;-26.4500	
Twee Rivieren, Gordonia / Nassob	South Africa		20.6167;-26.4500	

SE 26021Db:

Khuis	Botswana		21.8384;-26.6579	934 m

SE 26024Ca:

Ganyesa	South Africa	24.1833;-26.5500	1265 m

SE 26024Dc:

Vryburg, Vryburg	South Africa	24.7333;-26.9500	1204 m
Zoetvlei, Vryburg	South Africa	24.7333;-26.9500	

SE 26025Da:

Barberspan Flora en Fauna Natuurreservaat (see Barberspan Provincial Nature Reserve), Delareyville, 24 km E	South Africa	25.5833;-26.5667	
Barberspan Natuurreserwe (see Barberspan Provincial Nature Reserve), Delareyville, 24 km E	South Africa	25.5833;-26.5667	
Barberspan Provincial Nature Reserve, Delareyville, 24 km E (see also: Barberspan Flora en Fauna Natuurreservaat, Barberspan Natuurreserwe, Delareyville, 24 km E)	South Africa	25.5833;-26.5667	
Delareyville, 24 km E (see Barberspan Provincial Nature Reserve)	South Africa	25.5833;-26.5667	

SE 26026Aa:

Lichtenburg, 6 km NE (see Pretoria Zoo's farm)	South Africa	26.2000;-26.1167	
Pretoria Zoo's farm, 6 km NE Lichtenburg (see also: Lichtenburg, 6 km NE)	South Africa	26.2000;-26.1167	

SE 26026Bc:

Farm 204 (Ratsegaai) (see Farm Ratsegaai 204), 13 km W Ventersdorp	South Africa	26.7333;-26.3667	
Farm Ratsegaai 204, 13 km W Ventersdorp (see also: Farm 204 (Ratsegaai), Ratsegaai, Farm 204, Ventersdorp, 13 km W)	South Africa	26.7333;-26.3667	
Ratsegaai, Farm 204 (see Farm Ratsegaai 204), 13 km W Ventersdorp	South Africa	26.7333;-26.3667	
Ventersdorp, 13 km W (see Farm Ratsegaai 204)	South Africa	26.7333;-26.3667	

SE 26026Cd:

Venterskroon, Potchefstroom	South Africa	26.2700;-26.8800	

SE 26027Ba:

Bolts, Farm (see Farm Bolts), Krugersdorp	South Africa	27.7134;-26.0348	
Farm 173IQ (Sterkfontein) (see Sterkfontein, Farm 173IQ)	South Africa	27.7103;-26.0287	
Farm Bolts, Krugersdorp (see also: Bolts, Farm)	South Africa	27.7134;-26.0348	
Farm Sterkfontein 173IQ (see Sterkfontein, Farm 173IQ)	South Africa	27.7103;-26.0287	
Krugersdorp, 19 km NW (see Sterkfontein caves)	South Africa	27.7333;-26.0167	1600 m
Minaars cave, Krugersdorp	South Africa	27.7364;-26.0063	
Sterkfontein, Farm 173IQ (see also: Farm 173IQ (Sterkfontein), Farm Sterkfontein 173IQ)	South Africa	27.7103;-26.0287	
Sterkfonteingrotte (see Sterkfontein caves), 19 km NW Krugersdorp	South Africa	27.7333;-26.0167	1600 m

SE 26027Bb:

Chartwell, Johannesburg	South Africa	27.9667;-26.0000	1351 m
Farm Uitkyk, Krugersdorp (see also: Uitkyk, Farm, Witkhyk)	South Africa	27.7667;-26.0833	
Florida, Roodepoort	South Africa	27.9167;-26.1667	
Kromdraai Gold Mine	South Africa	27.7683;-26.0058	3305 m
Krugersdorp (see also: Mogale City)	South Africa	27.7667;-26.1000	1712 m
Mogale City (see Krugersdorp)	South Africa	27.7667;-26.1000	
Muldersdrif, near, Krugersdorp (see also: Muldersdrift, near)	South Africa	27.7789;-26.0300	
Muldersdrift, near (see Muldersdrif, near), Krugersdorp	South Africa	27.7789;-26.0300	

OFD workings, Krugersdorp	South Africa	27.7500;-26.0667	
Uitkyk, Farm (see Farm Uitkyk), Krugersdorp	South Africa	27.7667;-26.0833	
Wilro Park, Roodepoort	South Africa	27.8517;-26.1131	ca. 1691 m
Witkhyk (see Farm Uitkyk)	South Africa	27.7667;-26.0833	
Witwatersrand, Langlaagte, Johannesburg	South Africa	27.9667;-26.2167	

SE 26027Ad:

Abe Baily Nature Reserve (see Farm Wonderfontein 103IQ), Caltonville	South Africa	27.4000;-26.3000	
Caltonville (see Farm Wonderfontein 103IQ)	South Africa	27.4000;-26.3000	
Farm 103IQ (Wonderfontein) (see Farm Wonderfontein 103IQ), Caltonville / Potchefstroom	South Africa	27.4000;-26.3000	
Farm Wonderfontein 103IQ, Caltonville / Potchefstroom (see also: Abe Baily Nature Reserve, Caltonville, Farm 103IQ (Wonderfontein), Wonderfontein Cave, Wonderfontein, Farm 103IQ)	South Africa	27.4000;-26.3000	
Wonderfontein Cave (see Farm Wonderfontein 103IQ), Caltonville	South Africa	27.4000;-26.3000	
Wonderfontein, Farm 103IQ (see Farm Wonderfontein 103IQ), Caltonville / Potchefstroom	South Africa	27.4000;-26.3000	

SE 26027Ca:

Boskop Dam Nature Reserve, Potchefstroom	South Africa	27.1167;-26.5500	
Frederikstad, 24 km N Potchefstroom (see also: Potchefstroom, 24 km N)	South Africa	27.1500;-26.5000	
Potchefstroom, Potchefstroom; Kleinfontein	South Africa	27.1000;-26.7167	1341 m
Potchefstroom, 24 km N (see Frederikstad)	South Africa	27.1500;-26.5000	

SE 26027Cb:

Farm 419 (Witpoort) (see Farm Witpoort 419), 24 km E Potchefstroom	South Africa	27.3333;-26.6500	
Farm Witpoort 419, 24 km E Potchefstroom (see also: Farm 419 (Witpoort), Potchefstroom, 24 km E, Witpoort, Farm 419)	South Africa	27.3333;-26.6500	
Potchefstroom, 24 km E (see Farm Witpoort 419)	South Africa	27.3333;-26.6500	
Witpoort, Farm 419 (see Farm Witpoort 419), 24 km E Potchefstroom	South Africa	27.3333;-26.6500	

SE 26027Da:

Farm Rhenosterfontein, Potchefstroom (see also: Rhenosterfontein; Farm)	South Africa	27.5167;-26.5667	
Rhenosterfontein; Farm (see Farm Rhenosterfontein), Potchefstroom	South Africa	27.5167;-26.5667	

SE 26027Db:

Three Rivers, 11 Spey Drive	South Africa	27.9833;-26.6500	

SE 26027Cc:

Farm 508 (Nooitgedacht) (see Farm Nooitgedacht 508), 14 km SSE Potchefstroom	South Africa	27.1700;-26.9200	
Farm Nooitgedacht 508, 14 km SSE Potchefstroom (see also: Farm 508 (Nooitgedacht), Nooitgedacht, Farm 508, Potchefstroom, 14 km SSE)	South Africa	27.1700;-26.9200	
Nooitgedacht, Farm 508 (see Farm Nooitgedacht 508), 14 km SSE Potchefstroom	South Africa	27.1700;-26.9200	
Potchefstroom, 14 km SSE (see Farm Nooitgedacht 508)	South Africa	27.1700;-26.9200	

SE 26027Cd:

Aasvogelrand-Oost, Farm 291 (see Farm Aasvogelrand-Oost 291), Vredefort	South Africa	27.3667;-26.8667	
Farm 291 (Aasvogelrand-Oost) (see Farm Aasvogelrand-Oost 291), Vredefort	South Africa	27.3667;-26.8667	
Farm 465 (Parsons Rust) (see Farm Parsons Rust 465), Vredefort	South Africa	27.3167;-26.8833	
Farm 519 (Witklipfontein) (see Farm Witklipfontein 519), Vredefort	South Africa	27.2500;-26.9333	

Farm 780 (Helena) (see Farm Helena 780), Vredefort	South Africa		27.3833;-26.8833	
Farm Aasvogelrand-Oost 291, Vredefort (see also: Aasvogelrand-Oost, Farm 291, Farm 291 (Aasvogelrand-Oost))	South Africa		27.3667;-26.8667	
Farm Helena 780, Vredefort (see also: Farm 780 (Helena), Helena, Farm 780)	South Africa		27.3833;-26.8833	
Farm Parsons Rust 465, Vredefort (see also: Farm 465 (Parsons Rust), Parsons Rust, Farm 465)	South Africa		27.3167;-26.8833	
Farm Witklipfontein 519, Vredefort (see also: Farm 519 (Witklipfontein), Witklipfontein, Farm 519)	South Africa		27.2500;-26.9333	
Helena, Farm 780 (see Farm Helena 780), Vredefort	South Africa		27.3833;-26.8833	
Parsons Rust, Farm 465 (see Farm Parsons Rust 465), Vredefort	South Africa		27.3167;-26.8833	
Venterskroon, 1.8 km NW	South Africa		27.2542;-26.8776	
Venterskroon, 1.8 km NW - 3.0 km NNE (see Vredefort Dome World Heritage Site)	South Africa	ca.	27.2542;-26.8776	
Vredefort Dome World Heritage Site, 1.8 km NW - 3.0 km NNE Venterskroon (see also: Venterskroon, 1.8 km NW - 3.0 km NNE)	South Africa	ca.	27.2542;-26.8776	1310 m
Vredefort Road, Vredefort	South Africa		27.3667;-26.9167	
Witklipfontein, Farm 519 (see Farm Witklipfontein 519), Vredefort	South Africa		27.2500;-26.9333	

SE 26027Dc:

Farm 404 (Rietfontein) (see Farm Rietfontein 404), 7 km N Sasolburg	South Africa		27.7250;-26.7667	
Farm Rietfontein 404, 7 km N Sasolburg (see also: Farm 404 (Rietfontein), Rietfontein, Farm 404, Sasolburg, 7 km N)	South Africa		27.7250;-26.7667	
Rietfontein, Farm 404 (see Farm Rietfontein 404), 7 km N Sasolburg	South Africa		27.7250;-26.7667	
Sasolburg, 7 km N (see Farm Rietfontein 404)	South Africa		27.7250;-26.7667	

SE 26028Aa:

Birchleig, Kempton Park (see also: Kempton Park)	South Africa		28.2333;-26.0667	
Bryanston, 883 Lowndees Road	South Africa		28.0333;-26.0500	1520 m
Johannesburg	South Africa		28.0833;-26.2000	1765 m
Modderfontein	South Africa		28.1667;-26.0833	1577 m
Olifantsfontein, Johannesburg	South Africa		28.0833;-26.2000	

SE 26028Ab:

Boksburg, Midtown	South Africa		28.2500;-26.2167	1599 m
Bredill, Benoni	South Africa		28.3000;-26.1667	
Kempton Park (see Birchleig)	South Africa		28.2500;-26.1000	

SE 26028Ca:

Heidelberg, 16 km W (see Suikerbosrand Nature Reserve)	South Africa		28.2167;-26.5000	1668 m
Suikerboschrand Nature Reserve (see Suikerbosrand Nature Reserve), 16 km W Heidelberg	South Africa		28.2167;-26.5000	1668 m
Suikerbosrand Nature Reserve, 16 km W Heidelberg (see also: Heidelberg, 16 km W, Suikerboschrand Nature Reserve)	South Africa		28.2167;-26.5000	1668 m

SE 26029Ac:

Farm 127 (Rolspruit) (see Farm Rolspruit 127), 7 km E Leslie	South Africa		29.0000;-26.4000	
Farm Rolspruit 127, 7 km E Leslie (see also: Farm 127 (Rolspruit), Farm Rotspruit, Leslie, 7 km E, Rolspruit, Farm 127, Rotspruit, Farm)	South Africa		29.0000;-26.4000	
Farm Rotspruit (see Farm Rolspruit 127), 7 km E Leslie	South Africa		29.0000;-26.4000	
Leslie, 7 km E (see Farm Rolspruit 127)	South Africa		29.0000;-26.4000	

Rolspruit, Farm 127 (see Farm Rolspruit 127), 7 km E Leslie	South Africa	29.0000;-26.4000	
Rotspruit, Farm (see Farm Rolspruit 127), 7 km E Leslie	South Africa	29.0000;-26.4000	

SE 26029Db:

Ermelo	South Africa	29.9833;-26.5167	1700 m
Folderia, Ermerlo	South Africa	29.9833;-26.5167	

SE 26029Cd:

Farm 386 (Roodepoort) (see Farm Roodepoort 386), 15 km E Standerton	South Africa	29.3667;-26.9000	
Farm Roodepoort 386, 15 km E Standerton (see also: Farm 386 (Roodepoort), Roodepoort; Farm 386, Standerton, 15 km E)	South Africa	29.3667;-26.9000	
Roodepoort; Farm 386 (see Farm Roodepoort 386), 15 km E Standerton	South Africa	29.3667;-26.9000	
Standerton, 15 km E (see Farm Roodepoort 386)	South Africa	29.3667;-26.9000	

SE 26030Aa:

Carolina	South Africa	30.1150;-26.0692	1788 m

SE 26030Ab:

Farm 18IT (Victoriaspoort) (see Farm Victoriaspoort 18IT)	South Africa	30.3167;-26.0333	
Farm Victoriaspoort 18IT (see also: Farm 18IT (Victoriaspoort), Kalkoenkrans Cave, Victoriaspoort, Farm 18IT)	South Africa	30.3167;-26.0333	
Kalkoenkrans Cave (see Farm Victoriaspoort 18IT)	South Africa	30.3167;-26.0333	
Victoriaspoort, Farm 18IT (see Farm Victoriaspoort 18IT)	South Africa	30.3167;-26.0333	

SE 26030Bb:

Songimvelo Nature Reserve, Berberton mountains	South Africa	30.9222;-26.0069	2800 m
Steynsdorp	South Africa	30.9833;-26.1333	863 m

SE 26030Da:

Amsterdam, 2 km NE (see Farm Tweepoort 404)	South Africa	30.7167;-26.6000	
Farm 404 (Tweepoort) (see Farm Tweepoort 404), 2 km NE Amsterdam	South Africa	30.7167;-26.6000	
Farm Tweepoort 404, 2 km NE Amsterdam (see also: Amsterdam, 2 km NE, Farm 404 (Tweepoort), Tweepoort, Farm 404)	South Africa	30.7167;-26.6000	
Tweepoort, Farm 404 (see Farm Tweepoort 404), 2 km NE Amsterdam	South Africa	30.7167;-26.6000	

SE 26030Db:

Dwalile Primary School	Swaziland	30.7833;-26.7000	

SE 26030Dd:

Bethlehem Mission	Swaziland	30.9333;-26.8500	

SE 26031Aa:

Barites Mine	Swaziland	31.0300;-26.2200	
Byrhtes (see Ngwenya)	Swaziland	31.0500;-26.1667	
Byrhytes mine, Ngwenya-Oshoek	Swaziland	31.0333;-26.2167	1300 m
Byrhytes mine	Swaziland	31.0500;-26.1667	
Forbes Gold Mine, Malalotja (see also: Forbes Reef Gold Mine, Forbes Reef mine)	Swaziland	31.1000;-26.1667	1396 m
Forbes Reef Gold Mine (see Forbes Gold Mine), Malalotja	Swaziland	31.1000;-26.1667	1396 m
Forbes Reef mine (see Forbes Gold Mine), Malalotja	Swaziland	31.1000;-26.1667	1396 m
Malalotja Cottage	Swaziland	31.1167;-26.1333	
Malolotja Game Reserve (see also: Malolotja Nature Reserve)	Swaziland	31.1333;-26.1333	
Malolotja Nature Reserve (see Malolotja Game Reserve)	Swaziland	31.1333;-26.1333	
Motshane Portion 2/987	Swaziland	ca. 31.0500;-26.2167	

Ngwenya	Swaziland	31.0500;-26.1667	
(see also: Byrhtes)			
Ngwenya [=Byrhtes]	Swaziland	31.0500;-26.1667	

SE 26031Ab:

Maguga, Ekutikeni	Swaziland	31.2519;-26.0822	
Maguga Dam	Swaziland	31.2619;-26.0742	
Saint Florence Mission	Swaziland	31.4333;-26.2333	
Saint Peregrines mission	Swaziland	31.4333;-26.0500	
(see also: St. Peregrines)			
St. Florence Mission	Swaziland	31.4333;-26.2333	
St. Peregrines (see Saint Peregrines mission)	Swaziland	31.4333;-26.0500	

SE 26031Ba:

Balegana	Swaziland	31.5667;-26.1000	323 m
Balegane	Swaziland	31.5667;-26.1000	323 m
Balegane Stor	Swaziland	31.5667;-26.1000	323 m
Ranches LTD	Swaziland	31.7000;-26.0333	
Sikhunyana	Swaziland	31.5833;-26.0333	

SE 26031Bb:

Bhubesi Camp, Hlane	Swaziland	31.8667;-26.1833	
Mbuluzi Game Reserve	Swaziland	31.9800;-26.2000	171 m
Mbuluzi Game Reserve, 3rd river crossing	Swaziland	31.9822;-26.1972	
Mhlume - Isherene road	Swaziland	31.8672;-26.1019	
Mlawula road, 4 km from junction, Simunye	Swaziland	31.9925;-26.1736	
Simunye Nature Reserve	Swaziland	31.9636;-26.2461	
Simunye, 10 km N	Swaziland	31.9500;-26.1167	
Simunye, 15 km N, on Simunye-Tshaneni Road	Swaziland	31.8717;-26.1047	239 m
Sundwini	Swaziland	31.9419;-26.2492	

SE 26031Ac:

Ezulwini	Swaziland	31.1669;-26.3989	
Kapola cave	Swaziland	31.1700;-26.3600	
Mbabane	Swaziland	31.1333;-26.3167	1243 m
Pine Valley	Swaziland	31.2300;-26.2700	

SE 26031Ad:

Kwaluseni	Swaziland	31.3333;-26.4833	723 m
Saint Josephs mission	Swaziland	31.4833;-26.4667	
(see also: St. Joseph's)			
St. Joseph's (see Saint Josephs mission)	Swaziland	31.4833;-26.4667	
UNISWA, Kwaluseni Campus	Swaziland	31.3069;-26.4794	677 m

SE 26031Bc:

Dinedor	Swaziland	31.5667;-26.3667	
(see also: Dinedor Ranch)			
Dinedor Ranch (see Dinedor)	Swaziland	31.5667;-26.3667	

SE 26031Bd:

Ebaleni	Swaziland	31.9450;-26.2636	
Hlane National Park	Swaziland	31.8833;-26.2667	280 m
Ndlovu Camp	Swaziland	31.8769;-26.2597	280 m

SE 26031Ca:

Luyengo	Swaziland	31.2333;-26.5333	638 m
Malkerns	Swaziland	31.1500;-26.5700	

SE 26031Cb:

Allen's Farm	Swaziland	31.2667;-26.5500	
Rosecraft	Swaziland	31.2833;-26.6333	667 m

SE 26031Db:

Bar Circle Ranches	Swaziland	31.8833;-26.6833	
Mkhaya	Swaziland	31.7667;-26.6167	
Mkhaya Game Reserve	Swaziland	31.7700;-26.6300	

SE 26031Cc:

Ekuphakameni High School	Swaziland	31.1500;-26.8000	
Ngcoseni Primary	Swaziland	31.0667;-26.7667	

SE 26031Cd:

Hlatikulu	Swaziland	31.3167;-26.9667	1114 m
Kubuta	Swaziland	31.4700;-26.8800	508 m
Ndumo (see also: Ndumu)	South Africa	31.2517;-26.9258	79 m
Ndumu (see Ndumo)	South Africa	31.2517;-26.9258	79 m
Nkwene High School	Swaziland	31.3167;-26.8667	

SE 26031Dc:

Sibobela Primary School (see Sitobela Primary School)	Swaziland	31.6000;-26.8833	327 m
Sithobela Primary School (see Sitobela Primary School)	Swaziland	31.6000;-26.8833	327 m
Sitobela Primary School (see also: Sibobela Primary School, Sithobela Primary School)	Swaziland	31.6000;-26.8833	327 m

SE 26031Dd:

Big Bend	Swaziland	31.9333;-26.8167	77 m

SE 26032Aa:

Mlawula Estates	Swaziland	32.0167;-26.2000	760 m
Mlawula Nature Reserve, S of Siphiso, 10 km NE Simunye	Swaziland	32.0167;-26.2000	760 m
Mlawula Nature Reserve, site 1, Siphiso, S	Swaziland	32.0492;-26.1803	
Mlawula Nature Reserve, site 2, Siphiso, S	Swaziland	32.0058;-26.1856	
Mlawula Nature Reserve, site 3	Swaziland	32.0050;-26.2083	760 m
Mlawula Weir	Swaziland	32.0050;-26.1911	
Python Pool	Swaziland	32.0050;-26.1917	160 m
Siphiso campsite, 10 km NE Simunye	Swaziland	32.0006;-26.2094	
Siweni Riparian Site	Swaziland	32.0486;-26.1800	

SE 26032Bb:

Inhaca Island	Mozambique	32.9667;-26.0167	50 m
Inhaca Island Research Station (see also: Inyoka mountains, Magude, 45 km SW)	Mozambique	32.9600;-26.0380	
Marine Research Station	Mozambique	32.9109;-26.0269	
Posto Inhaca	Mozambique	32.9667;-26.0667	

SE 26032Ac:

Changalane (see also: Estatuane)	Mozambique	32.1897;-26.2914	94 m
Estatuane (see Changalane)	Mozambique	32.1897;-26.2914	94 m
Estatuene area	Mozambique	32.0981;-26.3981	
Mhlumeni	Swaziland	32.1000;-26.2500	508 m

SE 26032Cd:

Nduma Game Reserve (see Ndumu Game Reserve), Ingwavuma	South Africa	32.2500;-26.8667	
Ndumi Game Reserve (see Ndumu Game Reserve), Ingwavuma	South Africa	32.2500;-26.8667	
Ndumo Game Reserve (see Ndumu Game Reserve), Ingwavuma	South Africa	32.2500;-26.8667	
Ndumu Game Reserve, Ingwavuma (see also: Nduma Game Reserve, Ndumi Game Reserve, Ndumo Game Reserve)	South Africa	32.2500;-26.8667	
Ndumu Police Station, Ndumu	South Africa	32.2500;-26.9167	
Ndumu store, Ingwavuma	South Africa	32.2500;-26.9167	
Usutu Floodsplain	South Africa	32.3333;-26.8833	100 m

SE 26032Dd:

Department of Health camp (see Kosi Lake), Ingwavuma	South Africa		32.8333;-26.9667	
Kosi (see Kosi Lake)	South Africa		32.8333;-26.9667	
Kosi Bay (see Kosibaai)	South Africa		32.8667;-26.9000	
Kosi Bay estuary, Ingwavuma	South Africa		32.8667;-26.9000	
Kosi Bay Nature Reserve	South Africa		32.8236;-26.9558	39 m
Kosi Lake (see also: Department of Health camp, Kosi, Kosimeer , KuHlange, Lake Kosi, Lake Nhlage, Nhlage Lake , Nhlange, Lake)	South Africa		32.8333;-26.9667	
Kosibaai (see also: Kosi Bay)	South Africa		32.8667;-26.9000	
Kosimeer (see Kosi Lake)	South Africa		32.8333;-26.9667	
KuHlange (see Kosi Lake)	South Africa		32.8333;-26.9667	
Lake Kosi (see Kosi Lake)	South Africa		32.8333;-26.9667	
Lake Nhlage (see Kosi Lake)	South Africa		32.8333;-26.9667	
Madlangula, hill, Ingwavuma	South Africa		32.8167;-26.9500	
Manguzi village, Maputa (see also: Maputa)	South Africa		32.7500;-26.9833	60 m
Maputa (see Manguzi village), Maputa	South Africa		32.7500;-26.9833	60 m
Nhlage Lake (see Kosi Lake)	South Africa		32.8333;-26.9667	
Nhlange, Lake (see Kosi Lake)	South Africa		32.8333;-26.9667	

SE 27016Dd:

Rosh Pina (see Rosh Pinah)	Namibia		16.7667;-27.9500	
Rosh Pinah (see also: Rosh Pina)	Namibia		16.7667;-27.9500	

SE 27017Ad:

Farm Huns 106	Namibia		17.3833;-27.3833	

SE 27017Da:

Fish River Canyon	Namibia		17.6667;-27.5000	600 m

SE 27018Bb:

Kochina	Namibia		18.8667;-27.2000	

SE 27022Bb:

Farm 284 (Olivewood) (see Farm Olivewood 284), 15 km WNW Hotazel	South Africa		22.8000;-27.2000	
Farm Olivewood 284, 15 km WNW Hotazel (see also: Farm 284 (Olivewood), Hotazel, 15 km WNW, Olivewood, Farm 284)	South Africa		22.8000;-27.2000	
Hotazel, 15 km WNW (see Farm Olivewood 284)	South Africa		22.8000;-27.2000	
Olivewood, Farm 284 (see Farm Olivewood 284), 15 km WNW Hotazel	South Africa		22.8000;-27.2000	

SE 27023Ac:

Farm Marthavale, 40 km NW Kuruman (see also: Kuruman, 40 km NW, Marthavale, Farm)	South Africa		23.0667;-27.3333	
Kuruman, 40 km NW (see Farm Marthavale)	South Africa		23.0667;-27.3333	
Marthavale, Farm (see Farm Marthavale), 40 km NW Kuruman	South Africa		23.0667;-27.3333	

SE 27023Ad:

Die Oog (see also: Eye of Kuruman)	South Africa		23.4333;-27.4500	1200 m
Eye of Kuruman (see Die Oog)	South Africa		23.4333;-27.4500	1200 m
Kuruman, Municipal Bird Sanctuary	South Africa		23.4253;-27.4447	1314 m
Kuruman	South Africa		23.4333;-27.4500	1327 m
Kuruman	South Africa		23.4167;-27.4500	
Kuruman, 3 mi [=4.8 km] E	South Africa	ca.	23.4333;-27.4500	

SE 27023Cb:

Farm Woodstock, 11 km SW Kuruman (see also: Kuruman, 11 km SW, Woodstock, Farm)	South Africa	23.4000;-27.5667	
Kuruman, 11 km SW (see Farm Woodstock)	South Africa	23.4000;-27.5667	
Woodstock, Farm (see Farm Woodstock), 11 km SW Kuruman	South Africa	23.4000;-27.5667	

SE 27023Dc:

Kuruman, 58 km S (see Wonderwerk Cave)	South Africa	23.5833;-27.8167	
Wonderwerk Cave, 58 km S Kuruman (see also: Kuruman, 58 km S)	South Africa	23.5833;-27.8167	

SE 27024Ca:

Farm Grootfontein, 9 (or 19?) km SW Reivilo (see also: Grootfontein, Farm, Reivilo, 9 (or 19?) km SW)	South Africa	24.0000;-27.6500	
Grootfontein, Farm (see Farm Grootfontein), 9 (or 19?) km SW Reivilo	South Africa	24.0000;-27.6500	
Reivilo, 9 (or 19?) km SW (see Farm Grootfontein)	South Africa	24.0000;-27.6500	

SE 27024Da:

Buxton mine (see Norlim mine), 16 km SW Taung	South Africa	24.6333;-27.6167	1087 m
Norlim mine (see Norlim mine), 16 km SW Taung (see also: Buxton mine, Norlim mine, Taung, 16 km SW)	South Africa	24.6333;-27.6167	1087 m
Taung World Heritage Site	South Africa	24.6358;-27.6206	
Taung, 16 km SW (see Norlim mine)	South Africa	24.6333;-27.6167	1087 m
Thomeng, near Norlim	South Africa	24.6436;-27.6319	

SE 27024Db:

Taung, Bophuthatswana (see also: Taungs)	South Africa	24.8000;-27.5333	1101 m
Taungs (see Taung), Bophuthatswana	South Africa	24.8000;-27.5333	1101 m

SE 27024Dd:

Andalusia (see Jan Kempdorp), Agriculture station	South Africa	24.8500;-27.9167	
Hartswater	South Africa	24.8167;-27.7667	1124 m
Jan Kemp (see Jan Kempdorp), Agriculture station	South Africa	24.8500;-27.9167	
Jan Kempdorp, Agriculture station (see also: Andalusia, Jan Kemp, Jankempdorp)	South Africa	24.8500;-27.9167	
Jankempdorp (see Jan Kempdorp), Agriculture station	South Africa	24.8500;-27.9167	

SE 27025Ca:

Christiana, 5 km NNE (see Farm Welgedaan 292)	South Africa	25.2167;-27.7000	
Farm 292 (Welgedaan) (see Farm Welgedaan 292), 5 km NNE Christiana	South Africa	25.2167;-27.7000	
Farm Welgedaan 292, 5 km NNE Christiana (see also: Christiana, 5 km NNE, Farm 292 (Welgedaan), Welgedaan, Farm 292)	South Africa	25.2167;-27.7000	
Welgedaan, Farm 292 (see Farm Welgedaan 292), 5 km NNE Christiana	South Africa	25.2167;-27.7000	

SE 27025Cb:

Farm 750 (Middelwater) (see Farm Middelwater 750), Hoopstad	South Africa	25.4333;-27.7333	
Farm Middelwater 750, Hoopstad (see also: Farm 750 (Middelwater), Middelwater, Farm 750)	South Africa	25.4333;-27.7333	
Middelwater, Farm 750 (see Farm Middelwater 750), Hoopstad	South Africa	25.4333;-27.7333	
S A Lombaard Nature reserve, Bloemhof district	South Africa	25.4833;-27.6000	

SE 27025Da:

Farm Katrina (see also: Katrina, Farm)	South Africa		25.6000;-27.6500	
Katrina, Farm (see Farm Katrina)	South Africa		25.6000;-27.6500	

SE 27025Cc:

Farm Kaffraria (see Kaffraria, Farm)	South Africa		25.1167;-27.8000	
Kaffraria, Farm (see also: Farm Kaffraria)	South Africa		25.1167;-27.8000	

SE 27025Dd:

Hoopstad, Sandveld Nature Reserve	South Africa		25.9167;-27.8333	1240 m

SE 27026Ad:

Wolwespruit Nature Reserve, Wolmaranstad	South Africa		26.3306;-27.4167	

SE 27026Bc:

Bothaville	South Africa		26.6167;-27.3667	1275 m

SE 27026Bd:

Albany district	South Africa	ca.	26.9667;-27.2500	

SE 27026Dd:

Farm 60 (Graspan) (see Farm Graspan 60), Kroonstad	South Africa		26.9667;-27.8000	
Farm Graspan 60, Kroonstad (see also: Farm 60 (Graspan), Graspan, Farm 60)	South Africa		26.9667;-27.8000	
Graspan, Farm 60 (see Farm Graspan 60), Kroonstad	South Africa		26.9667;-27.8000	
Riebeeckstad, Kroonstad (see also: Riebeekstad)	South Africa		26.8167;-27.9167	1394 m
Riebeekstad (see Riebeeckstad), Kroonstad	South Africa		26.8167;-27.9167	1394 m

SE 27027Ab:

Vredefort, Aasvogelrand-Oost (see also: Vredefort town)	South Africa		27.3833;-27.0167	1456 m
Vredefort town (see Vredefort)	South Africa		27.3750;-27.1250	

SE 27027Ba:

Koppies	South Africa		27.5667;-27.2333	

SE 27027Bc:

Farm 448 (Schurwepoort) (see Farm Schurwepoort 448), Koppies	South Africa		27.5833;-27.4167	
Farm Schurwepoort 448, Koppies (see also: Farm 448 (Schurwepoort), Schurwepoort, Farm 448)	South Africa		27.5833;-27.4167	
Schurwepoort, Farm 448 (see Farm Schurwepoort 448), Koppies	South Africa		27.5833;-27.4167	

SE 27027Bd:

Farm 274 (Moscow) (see Farm Moscow 274), Heilbron	South Africa		27.9667;-27.2833	
Farm Moscow 274, Heilbron (see also: Farm 274 (Moscow), Moscow, Farm 274)	South Africa		27.9667;-27.2833	
Heilbron, Moscow [274]	South Africa		27.9667;-27.2833	
Moscow, Farm 274 (see Farm Moscow 274), Heilbron	South Africa		27.9667;-27.2833	

SE 27027Da:

Edenville	South Africa		27.6833;-27.5500	1500 m
Edenville, 6 mi [=9.7 km] W (see Waaghoek [Farmstead])	South Africa		27.5833;-27.5500	1500 m

Kroonstad, 20 mi [=32 km] E (see Lehmkuhlsrust)	South Africa	27.5500;-27.6500	1400 m
Lehmkuhlsrust, 20 mi E Kroonstad (see also: Kroonstad, 20 mi [=32 km] E)	South Africa	27.5500;-27.6500	1400 m
Waaghoek [Farmstead], 6 mi W Edenville (see also: Edenville, 6 mi [=9.7 km] W)	South Africa	27.5833;-27.5500	1500 m

SE 27027Dc:

Eureka, Farm 674 (see Farm Eureka 674), Senekal	South Africa	27.5833;-27.9667	
Farm 674 (Eureka) (see Farm Eureka 674), Senekal	South Africa	27.5833;-27.9667	
Farm Eureka 674, Senekal (see also: Eureka, Farm 674, Farm 674 (Eureka))	South Africa	27.5833;-27.9667	

SE 27027Dd:

Farm Kunkuru, Warmbaths (see also: Kunkuru, Farm)	South Africa	27.8167;-27.8833	
Kunkuru, Farm (see Farm Kunkuru), Warmbaths	South Africa	27.8167;-27.8833	
Lindley, Arcadia	South Africa	27.9167;-27.8667	1572 m

SE 27028Dd:

Farm 396 (Non Pareil) (see Warden), Warden	South Africa	28.9667;-27.8500	1643 m
Farm 930 (Schaapplaats) (see Farm Schaapplaats 930)	South Africa	28.9725;-27.9283	
Farm Geluk, Harrismith (see also: Geluk, Farm)	South Africa	28.8667;-27.8667	
Farm Non Pareil 396 (see Warden), Warden	South Africa	28.9667;-27.8500	1643 m
Farm Schaapplaats 930 (see also: Farm 930 (Schaapplaats), Schaapplaats, Farm 930)	South Africa	28.9725;-27.9283	
Geluk, Farm (see Farm Geluk), Harrismith	South Africa	28.8667;-27.8667	
Non Pareil, Farm 396 (see Warden), Warden	South Africa	28.9667;-27.8500	1643 m
Schaapplaats, Farm 930 (see Farm Schaapplaats 930)	South Africa	28.9725;-27.9283	
Warden, Non Pareil [396] (see also: Farm 396 (Non Pareil), Farm Non Pareil 396, Non Pareil, Farm 396)	South Africa	28.9667;-27.8500	1643 m

SE 27029Bb:

Farm Roodekopjes, Amersfoort Dist. (see also: Roodekopjes, Farm)	South Africa	29.8000;-27.0500	
Roodekopjes, Farm (see Farm Roodekopjes), Amersfoort Dist.	South Africa	29.8000;-27.0500	

SE 27029Ac:

Farm 196 (Langverwaght) (see Vrede), Vrede	South Africa	29.1667;-27.4167	1668 m
Farm Langverwaght 196 (see Vrede), Vrede	South Africa	29.1667;-27.4167	1668 m
Langverwaght, Farm 196 (see Vrede), Vrede	South Africa	29.1667;-27.4167	1668 m
Vrede (see also: Farm 196 (Langverwaght), Farm Langverwaght 196, Langverwaght, Farm 196)	South Africa	29.1667;-27.4167	1668 m

SE 27029Ad:

Farm 227 (Uitvlugt) (see Farm Uitvlugt 227), Vrede	South Africa	29.3833;-27.4500	
Farm Uitvlugt 227, Vrede (see also: Farm 227 (Uitvlugt), Uitvlugt, Farm 227)	South Africa	29.3833;-27.4500	
Uitvlugt, Farm 227 (see Farm Uitvlugt 227), Vrede	South Africa	29.3833;-27.4500	

SE 27029Cc:

Farm 747 (Waterval) (see Farm Waterval 747), Harrismith [Warden]	South Africa	29.1250;-27.8750	
Farm Waterval 747, Harrismith [Warden] (see also: Farm 747 (Waterval), Waterval, Farm 747)	South Africa	29.1250;-27.8750	
Waterval, Farm 747 (see Farm Waterval 747), Harrismith [Warden]	South Africa	29.1250;-27.8750	

SE 27029Dc:

Moorfield Mountain Farm Nature Reserve	South Africa		29.7083;-27.8778	1776 m

SE 27029Dd:

Chelmsford Nature Reserve, 30 km S Newcastle (see also: Newcastle, 30 km S)	South Africa		29.9217;-27.9650	1253 m
Gardenia, 10 mi [=16 km] S Newcastle (see also: Newcastle, 10 mi [=16 km] S)	South Africa	ca.	29.9662;-27.8934	
New Castle (see Newcastle)	South Africa		29.9317;-27.7581	1276 m
Newcastle (see also: New Castle)	South Africa		29.9317;-27.7581	1276 m
Newcastle, 10 mi [=16 km] S (see Gardenia)	South Africa	ca.	29.9662;-27.8934	
Newcastle, 10 mi S	South Africa	ca.	29.9515;-27.8585	
Newcastle, 30 km S (see Chelmsford Nature Reserve)	South Africa		29.9217;-27.9650	1253 m

SE 27030Bb:

Piet Retief	South Africa		30.8000;-27.0000	1300 m

SE 27030Ac:

Townlands of Mathinus Wesselstroom	South Africa	ca.	30.1328;-27.3706	1761 m
Wakkerstroom	South Africa		30.1333;-27.3500	1729 m

SE 27030Ad:

Kastrol Nek (see Kastrolnek), Wakkerstroom	South Africa		30.2833;-27.2833	
Kastrolnek, Wakkerstroom (see also: Kastrol Nek)	South Africa		30.2833;-27.2833	

SE 27030Bc:

Paulpietersburg, 30 km NW (see Pongola Bush Nature Reserve)	South Africa	ca.	30.5061;-27.3183	1404 m
Pongola Bush Nature Reserve, 30 km NW Paulpietersburg (see also: Paulpietersburg, 30 km NW)	South Africa	ca.	30.5061;-27.3183	1404 m

SE 27030Ca:

Sandstone cave	South Africa	ca.	30.2100;-27.5600	

SE 27030Dd:

Farm Groedehoop, 11 km S, 11 km E Vryheid (see also: Groedehoop, Farm, Vryheid, 11 km S, 11 km E)	South Africa		30.9167;-27.8667	1050 m
Groedehoop, Farm (see Farm Groedehoop)	South Africa		30.9167;-27.8667	1050 m
Vryheid Hill Nature Reserve	South Africa		30.7875;-27.7550	1264 m
Vryheid, 11 km S, 11 km E (see Farm Groedehoop)	South Africa		30.9167;-27.8667	1050 m

SE 27031Ab:

Franson Christian High	Swaziland		31.4000;-27.2000	
Sandleni Primary School	Swaziland		31.4167;-27.0667	

SE 27031Ba:

Maloma Primary School	Swaziland		31.6500;-27.0167	350 m

SE 27031Bb:

Forbes Ranch (see Nsoko)	Swaziland		31.9500;-27.0333	182 m
Ingwavuma, Border cave	South Africa		31.9883;-27.0203	527 m
Nsoka (see Nsoko)	Swaziland		31.9500;-27.0333	182 m
Nsoko (see also: Forbes Ranch, Nsoka)	Swaziland		31.9500;-27.0333	182 m

SE 27031Ad:

Wonder Mine (see also: Wondermine)	South Africa		31.2506;-27.4686	
Wondermine (see Wonder Mine)	South Africa		31.2506;-27.4686	

SE 27031Bc:

Farm Vergeval (see also: Vergeval, Farm)	South Africa		31.7000;-27.4833	360 m
Our Lady of Sorrows	Swaziland		31.5333;-27.2667	
Pongola, 9 Jan Kemlaan	South Africa		31.6167;-27.3833	284 m
Vergeval, Farm (see Farm Vergeval)	South Africa		31.7000;-27.4833	360 m

SE 27031Bd:

Farm 409 SU (Ingwenya) (see Farm Ingwenya 409SU)	South Africa		31.9620;-27.3333	185 m
Farm 647 (Leeuwspoor) (see Farm Leeuwspoor 647), S of Gollela; on Pongola river, Pongola road	South Africa		31.9000;-27.4000	
Farm Ingwenya 409SU (see also: Farm 409 SU (Ingwenya), Ingwenya, Farm 409SU)	South Africa		31.9620;-27.3333	185 m
Farm Leeuwspoor 647, S of Gollela; on Pongola river, Pongola road (see also: Farm 647 (Leeuwspoor), Leeuwspoor, Farm 647)	South Africa		31.9000;-27.4000	
Hlatikulu Forest Reserve	South Africa		31.9892;-27.3236	658 m
Ingwenya, Farm 409SU (see Farm Ingwenya 409SU)	South Africa		31.9620;-27.3333	185 m
J.G. Strijdomdam (see Pongolapoortdam), Pongola, Jozini	South Africa		31.9667;-27.4167	122 m
Jozini Dam (see Pongolapoortdam), Pongola, Jozini	South Africa		31.9667;-27.4167	122 m
Jozini reservoir (see Pongolapoortdam), Pongola, Jozini	South Africa		31.9667;-27.4167	122 m
Jozini, lake (see Pongolapoortdam), Pongola, Jozini	South Africa		31.9667;-27.4167	122 m
Leeuwspoor, Farm 647 (see Farm Leeuwspoor 647), S of Gollela; on Pongola river, Pongola road	South Africa		31.9000;-27.4000	
Mkaya Camp	South Africa		31.8900;-27.3900	
Ndabasezwe High School	Swaziland		31.7667;-27.2667	
Pongolapoortdam, Pongola, Jozini (see also: J.G. Strijdomdam, Jozini Dam, Jozini reservoir, Jozini, lake)	South Africa		31.9667;-27.4167	122 m

SE 27031Ca:

Doornkraal Camp Site (see Doornkraal campsite)	South Africa		31.2069;-27.5075	
Doornkraal campsite, Ngubhu river (see also: Doornkraal Camp Site, Farm Doornkraal)	South Africa		31.2069;-27.5075	
Farm Doornkraal (see Doornkraal campsite)	South Africa		31.2069;-27.5075	
Farm Doornpan	South Africa		31.2347;-27.5700	
Itala Game Reserve (see Ithala Game Reserve)	South Africa		31.2100;-27.5600	922 m
Itala National Park (see Ithala Game Reserve)	South Africa		31.2100;-27.5600	922 m
Itala Nature Reserve, 10 km NW Louwsburg	South Africa		31.2100;-27.5600	
Ithala Game Reserve, 50 km SW Pongola (see also: Itala Game Reserve, Itala National Park, Ithala Game Reserve, Main Camp, Ithala Nature Reserve, Louwsburg, 10 km NW, Pongola, 50 km SW)	South Africa		31.2100;-27.5600	922 m
Ithala Game Reserve, sandstone cave	South Africa	ca.	31.2100;-27.5600	
Ithala Nature Reserve (see Ithala Game Reserve), 9 km NE Louwsburgh	South Africa		31.2100;-27.5600	922 m
Louwsburg, 10 km NW (see Ithala Game Reserve)	South Africa		31.2100;-27.5600	922 m
Pongola, 50 km SW (see Ithala Game Reserve)	South Africa		31.2100;-27.5600	922 m

SE 27031Cb:

Craigadam (see Craigadam Farm)	South Africa		31.3719;-27.5047	
Craigadam Farm (see also: Craigadam)	South Africa		31.3719;-27.5047	
Ithala Game Reserve, Main Camp (see Ithala Game Reserve)	South Africa		31.3136;-27.5461	
Louwsburg, 9 km NE	South Africa		31.3667;-27.5167	
Nguhbu Picnic	South Africa		31.3667;-27.5167	

SE 27031Cd:

Ngome Forest Reserve, 70 km NE Ngome (see also: Ngome, 70 km NE , Ngome-Bosreserwe, Ngomi Forest Reserve, Vrijheid, 70 km NE)	South Africa		31.4125;-27.8667	
Ngome Police Station	South Africa		31.4167;-27.8333	
Ngome, 70 km NE (see Ngome Forest Reserve)	South Africa		31.4125;-27.8667	
Ngome-Bosreserwe (see Ngome Forest Reserve), 70 km NE Ngome	South Africa		31.4125;-27.8667	
Ngomi Forest Reserve (see Ngome Forest Reserve), 70 km NE Ngome	South Africa		31.4125;-27.8667	
Vrijheid, 70 km NE (see Ngome Forest Reserve)	South Africa		31.4125;-27.8667	

SE 27031Dc:

Nongoma	South Africa		31.6500;-27.9000	865 m

SE 27032Aa:

Ingwavuma [ridge]	South Africa		32.0000;-27.1333	

SE 27032Ab:

Makatini Flats, 20 mi [=32 km] E	South Africa	ca.	32.3575;-27.2424	
Pongola River Bridge, on Jozini - Kosi Road	South Africa		32.2661;-27.0369	37 m
Tembe Elephant Park, Ingwavuma (see also: Tembe National Park)	South Africa		32.4231;-27.0433	84 m
Tembe Elephant Park, east of HQ, pan	South Africa		32.4517;-27.0617	65 m
Tembe National Park (see Tembe Elephant Park), Ingwavuma	South Africa		32.4231;-27.0433	84 m

SE 27032Bb:

Rocktail Bay	South Africa		32.7933;-27.2214	

SE 27032Ac:

Jozini (see also: Jozini village)	South Africa		32.0667;-27.4333	
Jozini village (see Jozini)	South Africa		32.0667;-27.4333	
Makatini Flats	South Africa		32.2167;-27.2500	
Makatini Research Village Pongola River, Maputuland	South Africa	ca.	32.2167;-27.2500	
Mountain Lakes Adventure Campsite, Jozini	South Africa	ca.	32.0600;-27.4100	
Pongola Biosphere Reserve, Mpalane Lodge, 25 km N Mkuze (see also: Mkuze, 25 km N, Mpalane Lodge)	South Africa	ca.	32.0728;-27.3956	172 m
Pongola dam (see Pongolapoort Dam), Pongola, Jozini	South Africa		32.0711;-27.4189	122 m
Pongola Nature Reserve	South Africa	ca.	32.0728;-27.3956	
Pongolapoort Dam, Pongola, Jozini (see also: Pongola dam)	South Africa		32.0711;-27.4189	122 m

SE 27032Ad:

Manaba	South Africa		32.4167;-27.2667	
Namaba	South Africa		32.3750;-27.3750	

SE 27032Bc:

Emseleni (see Mseleni)	South Africa		32.5333;-27.3167	76 m
Lake Bangazi, 8 km NNE (see Shore Nature Reserve)	South Africa		32.6250;-27.3750	
Lake Bangazi, 9 km N (see Shore Nature Reserve, NE)	South Africa		32.6167;-27.3667	
Lake Sibaya (see Sibaya, lake)	South Africa		32.6833;-27.3333	
Lake Sibaya Reserve Station, Ingwavuma	South Africa		32.7167;-27.3500	
Manzengwenya Forest Station (see Manzengwenya Plantation), Lake Sibaya	South Africa		32.7333;-27.2500	
Manzengwenya Plantation, Lake Sibaya (see also: Manzengwenya Forest Station)	South Africa		32.7333;-27.2500	
Mazengwenya Forest Station, NE Lake Sibaya	South Africa		32.7333;-27.2667	50 m
Mseleni (see also: Emseleni)	South Africa		32.5333;-27.3167	76 m
Shore Nature Reserve, 8 km NNE Lake Bangazi (see also: Lake Bangazi, 8 km NNE)	South Africa		32.6250;-27.3750	

Shore Nature Reserve, NE, 9 km N Lake Bangazi (see also: Lake Bangazi, 9 km N)	South Africa	32.6167;-27.3667	
Sibaya, lake (see also: Lake Sibaya)	South Africa	32.6833;-27.3333	

SE 27032Ca:

Bube pan, 15 km E Mkuzi village (see also: Malibali Hide, Malibali pan, Mkuzi village, 15 km E)	South Africa	32.1842;-27.6328	94 m
Ghost Mountain	South Africa	32.0833;-27.6167	
Kububе Hide	South Africa	32.2369;-27.6250	
Kumsinga Hide, 15 km E Mkuzi village	South Africa	32.2358;-27.6286	94 m
Malibali Hide (see Bube pan)	South Africa	32.1842;-27.6328	94 m
Malibali pan (see Bube pan), 15 km E Mkuzi village	South Africa	32.1842;-27.6328	94 m
Mantuma Camp, 15 km E Mkuzi village	South Africa	32.2175;-27.5961	103 m
Mkhuze Game Reserve (see uMkhuze Game Reserve)	South Africa	32.2417;-27.6500	62 m
Mkusi Game Reserve (see uMkhuze Game Reserve)	South Africa	32.2417;-27.6500	62 m
Mkuze Game Reserve (see uMkhuze Game Reserve)	South Africa	32.2417;-27.6500	62 m
Mkuzi Game Reserve (see uMkhuze Game Reserve), 15 km E Mkuzi village	South Africa	32.2417;-27.6500	
Mkuzi village, 15 km E (see Bube pan)	South Africa	32.1842;-27.6328	94 m
Mshopi camping site	South Africa	32.1589;-27.6397	
Ngxwala Hill	South Africa	32.0833;-27.5667	
Tshaneni [mountain]	South Africa	32.0667;-27.6167	
uMkhuze Game Reserve (see also: Mkhuze Game Reserve, Mkusi Game Reserve, Mkuze Game Reserve, Mkuzi Game Reserve, Umkusi Game Reserve)	South Africa	32.2417;-27.6500	62 m
Umkusi Game Reserve (see uMkhuze Game Reserve)	South Africa	32.2417;-27.6500	62 m
Umpila Cave	South Africa	32.2170;-27.5830	

SE 27032Cb:

Mkuze (River Bridge)	South Africa	32.3019;-27.5992	45 m
Mziki Pan	South Africa	32.4139;-27.7014	28 m

SE 27032Da:

Jesser Point, 2.5 km S (see Sodwana Bay)	South Africa	32.6667;-27.5500	20 m
Sodwana Bay, 2.5 km S Jesser Point (see also: Jesser Point, 2.5 km S, Sodwana Bay Estuary, Sordwana Bay, Sordwanabaai)	South Africa	32.6667;-27.5500	20 m
Sodwana Bay Estuary (see Sodwana Bay)	South Africa	32.6667;-27.5500	20 m
Sordwana Bay (see Sodwana Bay)	South Africa	32.6667;-27.5500	20 m
Sordwanabaai (see Sodwana Bay)	South Africa	32.6667;-27.5500	20 m

SE 27032Cc:

Kube Yini Private Game Reserve	South Africa	32.2264;-27.8086	
Kumasinga Pan (see Msinga Hide)	South Africa	32.2000;-27.7833	
Msinga Hide, 15 km E Mkuzi village (see also: Kumasinga Pan, Msinga Hole, Msinga pan)	South Africa	32.2000;-27.7833	
Msinga Hole (see Msinga Hide)	South Africa	32.2000;-27.7833	
Msinga pan (see Msinga Hide), 15 km E Mkuzi village	South Africa	32.2000;-27.7833	
Nhlonhela pan	South Africa	32.2000;-27.7800	
Wardens house, 15 km E Mkuzi village	South Africa	32.2000;-27.7833	

SE 27032Cd:

Bayete Camp	South Africa	32.3100;-27.7800	ca. 56 m
Bester Game Farm (see T. Bester Game Farm)	South Africa	32.2500;-27.8333	200 m
False Bay Park (see False Bay Nature Reserve), St. Lucia	South Africa	32.3667;-27.9167	
Inkwazi Training Centre	South Africa	32.3439;-27.8717	60 m
Lister Point Camp, St. Lucia (see also: Lister's Point, Listerspunt)	South Africa	32.3833;-27.9667	54 m
Lister's Point (see Lister Point Camp)	South Africa	32.3833;-27.9667	54 m
Listerspunt (see Lister Point Camp)	South Africa	32.3833;-27.9667	54 m
Mkuze River, 15 km E Mkuzi village, N Mtshopi (see also: Mkuzi River)	South Africa	32.4833;-27.8667	
Mkuzi River (see Mkuze River), 15 km E Mkuzi village	South Africa	32.4833;-27.8667	
Mtubatuba, 58 km N (see T. Bester Game Farm)	South Africa	32.2500;-27.8333	200 m

Nibela Peninsula	South Africa		32.4333;-27.9333	
Phinda Game Reserve	South Africa		32.2747;-27.8636	
Phinda Game Reserve, cave 3	South Africa		32.2756;-27.8547	
Phinda Game Reserve, Forest Lodge	South Africa		32.3494;-27.7775	65 m
Phinda Mountain Lodge	South Africa		32.2828;-27.8839	
Phinda Rock Lodge	South Africa		32.2792;-27.8794	57 m
Sibengu lodge (see also: Sobhengu Lodge)	South Africa	ca.	32.4333;-27.9500	41 m
Sobhengu Lodge (see Sibengu lodge), St. Lucia	South Africa	ca.	32.4333;-27.9500	41 m
T. Bester Game Farm, 58 km N Mtubatuba (see also: Bester Game Farm, Mtubatuba, 58 km N)	South Africa		32.2500;-27.8333	200 m

SE 28016Bd:

Alexander Bay, 36.2 km N, 47.5 km E (see Richtersveld)	South Africa		16.9703;-28.2914	480 m
Richtersveld, 36.2 km N, 47.5 km E Alexander Bay (see also: Alexander Bay, 36.2 km N, 47.5 km E)	South Africa		16.9703;-28.2914	480 m

SE 28016Cb:

Orange Mouth (see Oranjemund), Swartkop Diamond area Nr 1	Namibia		16.4333;-28.5500	29 m
Orangemund (see Oranjemund), Swartkop Diamond area Nr 1	Namibia		16.4333;-28.5500	29 m
Oranjemond (see Oranjemund), Swartkop Diamond area Nr 1	Namibia		16.4333;-28.5500	29 m
Oranjemund, Swartkop Diamond area Nr 1 (see also: Orange Mouth, Orangemund, Oranjemond, Swartkop Diamond Area No.1)	Namibia		16.4333;-28.5500	29 m
Swartkop, Diamond area Nr 1	South Africa		16.4167;-28.5500	
Swartkop Diamond Area No.1 (see Oranjemund)	Namibia		16.4333;-28.5500	29 m

SE 28017Ba:

Farm 331 (Kanabeam) (see Farm Kanabeam 331)	Namibia		17.5167;-28.1500	375 m
Farm Kanabeam 331 (see also: Farm 331 (Kanabeam), Kanabeam, Farm 331)	Namibia		17.5167;-28.1500	375 m
Kanabeam, Farm 331 (see Farm Kanabeam 331)	Namibia		17.5167;-28.1500	375 m

SE 28017Cc:

old mine near Doodskloof river, Richtersveld	South Africa		17.1250;-28.8750	

SE 28018Ba:

Karasberg district (see Karasburg district)	Namibia		18.5000;-28.0000	
Karasburg district (see also: Karasberg district, Warmbad district)	Namibia		18.5000;-28.0000	
Warmbad district (see Karasburg district)	Namibia		18.5000;-28.0000	

SE 28018Cc:

Good house Bay (see Goodhouse)	South Africa		18.2108;-28.9125	650 ft
Goodhouse, banks of Orange river (see also: Good house Bay)	South Africa		18.2108;-28.9125	650 ft

SE 28018Cd:

Farm 23 (Goodhouse) (see Farm Goodhouse 23), Goodhouse	South Africa		18.2500;-28.9000	210 m
Farm Goodhouse 23, Goodhouse (see also: Farm 23 (Goodhouse), Goodhouse, Farm 23)	South Africa		18.2500;-28.9000	210 m
Goodhouse (see Goodhouse se Poort)	Namibia		18.2500;-28.8000	
Goodhouse se Poort (see also: Goodhouse)	Namibia		18.2500;-28.8000	
Goodhouse, Farm 23 (see Farm Goodhouse 23), Goodhouse	South Africa		18.2500;-28.9000	210 m

SE 28019Da:

Farm Steyerskraal, 50 km N, 10 km E Pofadder (see also: Farm Styrskraal, Pofadder, 50 km N, 10 km E, Steyerskraal, Farm, Styrskraal, Farm)	South Africa	19.5000;-28.6667	500 m
Farm Stolzenfels, S bank Orange river (see also: Stolzenfels, Farm)	South Africa	19.7005;-28.5206	
Farm Styrskraal (see Farm Steyerskraal)	South Africa	19.5000;-28.6667	500 m
Pofadder, 50 km N, 10 km E (see Farm Steyerskraal)	South Africa	19.5000;-28.6667	500 m
Steyerskraal, Farm (see Farm Steyerskraal)	South Africa	19.5000;-28.6667	500 m
Stolzenfels, Farm (see Farm Stolzenfels), S bank Orange river	South Africa	19.7005;-28.5206	
Styrskraal, Farm (see Farm Steyerskraal)	South Africa	19.5000;-28.6667	500 m

SE 28020Ac:

Xhubuxnap [farmstead], Kakamas, 56 km WNW	South Africa	20.1167;-28.4667	

SE 28020Ad:

Kakamas, 47 km NW	South Africa	20.3167;-28.4500	
Riemvasmaak, 47 km NW Kakamas	South Africa	20.3000;-28.4500	653 m

SE 28020Bc:

Cnydas, Farm (see Farm Cnydas), 12 km NW Lutzput	South Africa	20.5667;-28.3667	
Farm Cnydas, 12 km NW Lutzput (see also: Cnydas, Farm, Farm Nydas, Lutzput, 12 km NW, Nydas, Farm)	South Africa	20.5667;-28.3667	
Farm Nydas (see Farm Cnydas), 12 km NW Lutzput	South Africa	20.5667;-28.3667	
Lutzput, 12 km NW (see Farm Cnydas)	South Africa	20.5667;-28.3667	
Nydas, Farm (see Farm Cnydas), 12 km NW Lutzput	South Africa	20.5667;-28.3667	

SE 28020Cb:

Augrabies Falls National Park (see also: Augrabies Waterfall National Park)	South Africa	20.3333;-28.6000	
Augrabies Waterfall National Park (see Augrabies Falls National Park)	South Africa	20.3333;-28.6000	
Farm Northern Kakamas, 20.5 km NW Kakamas, behind cottages at Khamkirri (see also: Kakamas, 20.5 km NW, Northern Kakamas, Farm)	South Africa	20.4333;-28.6500	
Kakamas, 20.5 km NW (see Farm Northern Kakamas)	South Africa	20.4333;-28.6500	
Khamkirri Private Game Reserve, site 1, Kakamas, NW	South Africa	20.4459;-28.6519	
Khamkirri Private Game Reserve, site 2, Kakamas, NW	South Africa	20.4443;-28.6497	
Northern Kakamas, Farm (see Farm Northern Kakamas), 20.5 km NW Kakamas	South Africa	20.4333;-28.6500	

SE 28021Ac:

Orange River, near south bank, Upington	South Africa	21.2333;-28.4667	800 m

SE 28021Ca:

Louisvale	South Africa	21.2000;-28.5667	802 m
Louisvale, 1 mi [=1.6 km] N	South Africa	21.2000;-28.5330	
Louisvale, near	South Africa	21.2000;-28.5667	2600 ft

SE 28023Ab:

Farm 454 (Mimosa) (see Farm Mimosa 454), 25 km ENE Postmasburg	South Africa	23.3167;-28.1833	
Farm Mimosa 454, 25 km ENE Postmasburg (see also: Farm 454 (Mimosa), Mimosa, Farm 454, Postmasburg, 25 km ENE)	South Africa	23.3167;-28.1833	
Mimosa, Farm 454 (see Farm Mimosa 454), 25 km ENE Postmasburg	South Africa	23.3167;-28.1833	
Postmasburg, 25 km ENE (see Farm Mimosa 454)	South Africa	23.3167;-28.1833	

SE 28023Ba:

Danielskuil	South Africa		23.5300;-28.1844	1478 m
Daniëlskuil	South Africa		23.5333;-28.1833	1451 m
Danielskuil, 10km N	South Africa		23.5392;-28.0978	

SE 28023Ac:

Blinkklip cave, near Postmasburg	South Africa		23.1172;-28.3000	
Farm 607 (Klipbanksfontein) (see Farm Klipbanksfontein 607), Postmasburg	South Africa	ca.	23.0833;-28.3000	
Farm Klipbanksfontein 607, Postmasburg (see also: Farm 607 (Klipbanksfontein), Klipbanksfontein, Farm 607)	South Africa	ca.	23.0833;-28.3000	
Gatkoppies, 5.5 km NE Postmasburg (see also: Postmasburg, 5.5 km NE)	South Africa		23.1167;-28.3000	
Klipbanksfontein, Farm 607 (see Farm Klipbanksfontein 607), Postmasburg	South Africa	ca.	23.0833;-28.3000	
Postmasburg, 5.5 km NE (see Gatkoppies)	South Africa		23.1167;-28.3000	
Soetfontein cave, near Postmasburg, Soetfontein Guest Farm	South Africa		23.0500;-28.3700	

SE 28023Cb:

Brakfontein, Farm (see Farm Brakfontein), 25 km NNE Griekwastad; 24.5 km NE Hay	South Africa		23.3667;-28.6667	
Farm Brakfontein, 25 km NNE Griekwastad; 24.5 km NE Hay (see also: Brakfontein, Farm, Griekwastad, 25 km NNE, Hay, 24.5 km NE)	South Africa		23.3667;-28.6667	
Farm Koegelbeen, 21 km NE Griekwastad (see also: Koegelbeen, Farm)	South Africa		23.3500;-28.6667	
Griekwastad, 25 km NNE (see Farm Brakfontein)	South Africa		23.3667;-28.6833	
Hay, 24.5 km NE (see Farm Brakfontein)	South Africa		23.3667;-28.6833	
Hopefield (see Hopefield Estate)	South Africa		23.3294;-28.6197	1532 m
Hopefield Estate (see also: Hopefield)	South Africa		23.3295;-28.6199	1532 m
Koegelbeen Caves, Hay [=Griekwastad]; 21 km NE Griekwastad	South Africa		23.3486;-28.6531	
Koegelbeen, Farm (see Farm Koegelbeen), 21 km NE Griekwastad	South Africa		23.3500;-28.6667	

SE 28024Ab:

Bellsbank (see Bellsbank Estates), 47 km W Warrenton	South Africa		24.4000;-28.1333	
Bellsbank Estates, 47 km W Warrenton (see also: Bellsbank, Warrenton, 47 km W)	South Africa		24.4000;-28.1333	
Warrenton, 47 km W (see Bellsbank Estates)	South Africa		24.4000;-28.1333	

SE 28024Da:

Barkley West (see Barkly West)	South Africa		24.5500;-28.5000	1150 m
Barkly West (see also: Barkley West, Barkly-Wes)	South Africa		24.5500;-28.5000	1150 m
Barkly-Wes (see Barkly West)	South Africa		24.5500;-28.5000	1150 m

SE 28024Dd:

Kimberley	South Africa		24.7667;-28.8000	

SE 28025Aa:

Buitenhoop, Farm (see Farm Buitenhoop)	South Africa		25.2167;-28.1000	
Farm Buitenhoop (see also: Buitenhoop, Farm)	South Africa		25.2167;-28.1000	

SE 28025Ca:

Boshof (see also: Hertzogville)	South Africa		25.2333;-28.5500	1254 m
Hertzogville (see Boshof)	South Africa		25.2333;-28.5500	1254 m

SE 28025Dd:

Bultfontein (see also: Eldorado, Farm 66, Farm 66 (Eldorado), Farm Eldorado 66)	South Africa	25.9500;-28.9333	
Eldorado, Farm 66 (see Bultfontein), Bultfontein	South Africa	25.9500;-28.9333	
Farm 66 (Eldorado) (see Bultfontein), Bultfontein	South Africa	25.9500;-28.9333	
Farm Eldorado 66 (see Bultfontein), Bultfontein	South Africa	25.9500;-28.9333	

SE 28026Cb:

Brandfort, Florisbad [686]	South Africa	26.4667;-28.7000	1412 m
Branfort	South Africa	26.4575;-28.6942	1388 m

SE 28026Cc:

Farm 686 (Florisbad) (see Farm Florisbad 686), Brandfort	South Africa	26.0833;-28.7667	
Farm Florisbad 686, Brandfort (see also: Farm 686 (Florisbad), Florisbad, Farm 686)	South Africa	26.0833;-28.7667	
Florisbad, Farm 686 (see Farm Florisbad 686), Brandfort	South Africa	26.0833;-28.7667	

SE 28026Cd:

Bloemfontein, 15 mi [=24 km] N (see Glen)	South Africa	26.3333;-28.9333	
Glen, 15 mi N [=24 km] Bloemfontein (see also: Bloemfontein, 15 mi [=24 km] N)	South Africa	26.3333;-28.9333	

SE 28027Aa:

De Poort, Farm 378 (see Ventersburg)	South Africa	27.1333;-28.0833	1425 m
Farm 378 (De Poort) (see Ventersburg)	South Africa	27.1333;-28.0833	1425 m
Farm De Poort 378 (see Ventersburg)	South Africa	27.1333;-28.0833	1425 m
Ventersburg (see also: De Poort, Farm 378, Farm 378 (De Poort), Farm De Poort 378, Willem Pretorius Game Reserve, Willempretoriuswildtuin)	South Africa	27.1333;-28.0833	1425 m

SE 28027Ac:

Willem Pretorius Game Reserve (see Ventersburg)	South Africa	27.1667;-28.3000	
Willem Pretorius-Wildtuin	South Africa	27.1667;-28.3000	
Willempretoriuswildtuin (see Ventersburg)	South Africa	27.1667;-28.3000	

SE 28027Bc:

Senekal, Asem	South Africa	27.6000;-28.3167	

SE 28027Ca:

Farm 576 (Merrimietzie) (see Winburg)	South Africa	27.0167;-28.5333	1494 m
Farm 590 (Van Soelenshoek) (see Winburg)	South Africa	27.0167;-28.5333	1494 m
Farm Merrimietzie 576 (see Winburg)	South Africa	27.0167;-28.5333	1494 m
Farm Van Soelenshoek 590 (see Winburg)	South Africa	27.0167;-28.5333	1494 m
Merrimietzie, Farm 576 (see Winburg)	South Africa	27.0167;-28.5333	1494 m
Van Soelenshoek, Farm 590 (see Winburg)	South Africa	27.0167;-28.5333	1494 m
Winburg (see also: Farm 576 (Merrimietzie), Farm 590 (Van Soelenshoek), Farm Merrimietzie 576, Farm Van Soelenshoek 590, Merrimietzie, Farm 576, Van Soelenshoek, Farm 590)	South Africa	27.0167;-28.5333	1494 m

SE 28027Cb:

Marquard, Leeukop [230]	South Africa	27.4333;-28.6667	1515 m

SE 28027Cc:

Dresden, Farm 366 (see Excelsior)	South Africa	27.0667;-28.9333	1453 m
Excelsior (see also: Dresden, Farm 366, Farm 366 (Dresden), Farm Dresden 366)	South Africa	27.0667;-28.9333	1453 m

Farm 366 (Dresden) (see Excelsior)	South Africa		27.0667;-28.9333	1453 m
Farm Dresden 366 (see Excelsior)	South Africa		27.0667;-28.9333	1453 m

SE 28027Dc:

Clocolan	South Africa		27.5667;-28.9000	1580 m

SE 28027Dd:

Farm 743 (Faust) (see Farm Faust 743), Ficksburg	South Africa		27.7833;-28.7667	
Farm Faust 743, Ficksburg (see also: Farm 743 (Faust), Faust, Farm 743)	South Africa		27.7833;-28.7667	
Faust, Farm 743 (see Farm Faust 743), Ficksburg	South Africa		27.7833;-28.7667	
Ficksburg, 37 Visser Str.	South Africa		27.8833;-28.8833	1510 m

SE 28028Aa:

Welgekgon, near Bethlehem	South Africa	ca.	28.0000;-28.0000	1700 m

SE 28028Ab:

Bethlehem, Bellevue [1416]	South Africa		28.3000;-28.2333	1706 m
Farm 630 (Uitzicht) (see Farm Uitzicht 630), Harrismith	South Africa		28.4500;-28.0667	
Farm Uitzicht 630, Harrismith (see also: Farm 630 (Uitzicht), Uitzicht, Farm 630)	South Africa		28.4500;-28.0667	
Orange River confluence, Bethlehem	South Africa		28.3000;-28.2333	
Uitzicht, Farm 630 (see Farm Uitzicht 630), Harrismith	South Africa		28.4500;-28.0667	

SE 28028Bb:

Ararat, Sterkfontein Dam Nature Reserve (see also: Sterkfontein Dam Nature Reserve)	South Africa		28.8750;-28.1250	
Sterkfontein Dam Nature Reserve (see Ararat), Ararat	South Africa		28.8750;-28.1250	

SE 28028Ad:

Clarens	South Africa		28.4333;-28.4667	
Clarens, near	South Africa	ca.	28.4333;-28.4667	

SE 28028Bd:

Qwa-Qwa National Park, Schuinskop	South Africa		28.8750;-28.3750	

SE 28028Ca:

Farm 347 (Letsoana Stad) (see Farm Letsoana Stad 347), Fouriesburg	South Africa		28.2167;-28.6167	1801 m
Farm 347, Letsoana Stad (see Farm Letsoana Stad 347), Fouriesburg	South Africa		28.2167;-28.6167	1801 m
Farm Letsoana Stad 347, Fouriesburg (see also: Farm 347 (Letsoana Stad), Farm 347, Letsoana Stad)	South Africa		28.2167;-28.6167	1801 m
Fouriesburg, Letsoana Stad [347]	South Africa		28.2167;-28.6167	1801 m

SE 28028Cb:

Farm 1785 (Schaapplaas) (see Farm Schaapplaas 1785), Clarens	South Africa	ca.	28.3667;-28.6167	
Farm Schaapplaas 1785, Clarens (see also: Farm 1785 (Schaapplaas), Schaapplaas, Farm 1785)	South Africa	ca.	28.3667;-28.6167	
Schaapplaas, Farm 1785 (see Farm Schaapplaas 1785), Clarens	South Africa	ca.	28.4526;-28.5746	

SE 28028Da:

Glen Reenen, Golden Gate	South Africa		28.6167;-28.5167	2175 m
Golden Gate Highlands National Park (see also: Golden Gate Nature Reserve, Mount Pierre se kloof, Qwa-Qwa National Park, Wonderhoek se kloof)	South Africa		28.6025;-28.5042	

Golden Gate Nature Reserve (see Golden Gate Highlands National Park)	South Africa	28.6167;-28.5167	
Honingkloof Farm	South Africa	28.7122;-28.5114	
Mount Pierre se kloof (see Golden Gate Highlands National Park)	South Africa	28.6025;-28.5042	
Qwa-Qwa National Park (see Golden Gate Highlands National Park)	South Africa	28.6025;-28.5042	
Wonderhoek se kloof (see Golden Gate Highlands National Park)	South Africa	28.6167;-28.5167	

SE 28028Db:

Bergville, 45 km NW (see Royal Natal National Park)	South Africa	28.9167;-28.7333	1602 m
Drakensburg, Royal Natal National Park	South Africa	28.9333;-28.6833	
Farm 193 (Korfshoek) (see Farm Korfshoek 193), Harrismith	South Africa	28.7667;-28.5000	
Farm Korfshoek 193, Harrismith (see also: Farm 193 (Korfshoek), Korfshoek, Farm 193)	South Africa	28.7667;-28.5000	
Korfshoek, Farm 193 (see Farm Korfshoek 193), Harrismith	South Africa	28.7667;-28.5000	
Natal National Park (see Royal Natal National Park)	South Africa	28.9167;-28.7333	1602 m
Natalse Nasionale Park (see Royal Natal National Park)	South Africa	28.9167;-28.7333	1602 m
Royal Natal National Park, Khahlamba-Drakensberg Park, 45 km NW Bergville (see also: Bergville, 45 km NW, Natal National Park, Natalse Nasionale Park)	South Africa	28.9167;-28.7333	1602 m

SE 28028Dc:

Liqhobong	Lesotho	28.5878;-28.9664	2250 m
Oxbow, ski lodge	Lesotho	28.6250;-28.8750	

SE 28029Ac:

Ararat (see Sterkfontein dam)	South Africa	29.0167;-28.4333	
Harrismith	South Africa	29.1250;-28.3750	
Harrismith district	South Africa	29.1250;-28.3750	
Sterkfontein dam, Ararat (see also: Ararat, Sterkfontein Dam Nature Reserve)	South Africa	29.0167;-28.4333	
Sterkfontein Dam Nature Reserve (see Sterkfontein dam)	South Africa	29.0167;-28.4333	

SE 28029Ad:

Doornhoek, Dannhauser	South Africa	29.4167;-28.4833	1357 m
Van Reenen	South Africa	29.3833;-28.3667	1638 m

SE 28029Ca:

Rockcliff farm, Harrismith	South Africa	29.0167;-28.6167	

SE 28029Cb:

Spioenkop Nature Reserve	South Africa	29.2500;-28.7000	1094 m

SE 28029Da:

Spioenkop Dam, Mabamnyama Staff House	South Africa	29.5097;-28.6778	1094 m
Spionkop Lodge, 14 km N Winterton	South Africa	29.5356;-28.6950	1140 m

SE 28029Db:

Ladysmith	South Africa	29.7828;-28.5539	

SE 28029Dc:

Winterton	South Africa	29.5333;-28.8000	966 m

SE 28029Dd:

Weenen Nature Reserve	South Africa	29.9986;-28.8556	

SE 28030Aa:

Maria Ratschitz Mission Church (see also: Ratzschitz Mission Church)	South Africa	30.0225;-28.2256	
Ratzschitz Mission Church (see Maria Ratschitz Mission Church)	South Africa	30.0225;-28.2256	

SE 28030Ab:

Dundee, 1 km E (see Lennox Farm)	South Africa	30.2992;-28.1556	1232 m
Lennox Farm, 1 km E Dundee (see also: Dundee, 1 km E)	South Africa	30.2992;-28.1556	1232 m

SE 28030Ba:

Ngutu (see Nqutu)	South Africa	30.6753;-28.2122	1336 m
Nqutu (see also: Ngutu)	South Africa	30.6753;-28.2122	1336 m

SE 28030Ac:

Verloren Valei Nature Reserve	South Africa	30.0990;-28.2776	

SE 28030Da:

Ngubevu Mine, Msinga (see also: Nqubevu mine)	South Africa	30.6000;-28.7333	
Nqubevu mine (see Ngubevu Mine), Tugela	South Africa	30.6000;-28.7333	

SE 28030Db:

Kranskop, 32.5 km N, 12 km E (see Speedwell Mines)	South Africa	30.9833;-28.6667	950 m
Speedwell Mines, 32.5 km N, 12 km E Kranskop (see also: Kranskop, 32.5 km N, 12 km E)	South Africa	30.9833;-28.6667	950 m

SE 28030Cc:

Weenen	South Africa	30.0667;-28.8500	858 m

SE 28031Bb:

Black & White Umfolozi River confluence, 13.5 km N, 21 km W	South Africa	31.7667;-28.2333	200 m
Black & White Umfolozi River confluence, 17 km N, 22 km W	South Africa	31.7500;-28.2000	250 m
Hiabisa (see Hlabisa)	South Africa	31.8667;-28.1333	460 m
Hlabisa (see also: Hiabisa)	South Africa	31.8667;-28.1333	460 m
Ziqhumene	South Africa	31.9500;-28.1833	

SE 28031Ac:

Babanango, 10.5 km N, 14 km E (see Denny Dalton Mine)	South Africa	31.2333;-28.2833	770 m
Denny Dalton Mine, 10.5 km N, 14 km E Babanango (see also: Babanango, 10.5 km N, 14 km E)	South Africa	31.2333;-28.2833	770 m
Farm Goedhoek (see Farm Goud Hoek), Babanango	South Africa	31.0667;-28.3833	
Farm Goud Hoek, Babanango (see also: Farm Goedhoek, Farm Goudhoek, Goedhoek, Farm, Goud Hoek, Farm, Goudhoek, Farm)	South Africa	31.0000;-28.2667	
Farm Goudhoek (see Farm Goud Hoek), Babanango	South Africa	31.0667;-28.3833	
Goedhoek, Farm (see Farm Goud Hoek), Babanango	South Africa	31.0667;-28.3833	
Goud Hoek, Farm (see Farm Goud Hoek), Babanango	South Africa	31.0667;-28.3833	
Goudhoek, Farm (see Farm Goud Hoek), Babanango	South Africa	31.0667;-28.3833	

SE 28031Bd:

Masimba Camp (see Masinda Camp), Corridor Reserve	South Africa	31.9447;-28.2769	
Masinda Camp (see also: Masimba Camp)	South Africa	31.9447;-28.2769	
Mfolozi Game Reserve (see Umfolozi Game Reserve)	South Africa	31.8333;-28.3333	

Mpila Trails Store	South Africa		31.8500;-28.3167	
Mpofu Pan	South Africa		31.7700;-28.3400	
Msinyini pan	South Africa		31.8667;-28.3667	
Umfolosi Game Reserve (see Umfolozi Game Reserve)	South Africa		31.8333;-28.3333	
Umfolozi Game Reserve (see also: Mfolozi Game Reserve, Umfolosi Game Reserve , Umfolozi Nature Reserve, Umfolozi-Wildreservaat , Umfolozi-wildreserwe)	South Africa		31.8333;-28.3333	
Umfolozi Nature Reserve (see Umfolozi Game Reserve)	South Africa		31.8333;-28.3333	
Umfolozi River	South Africa		31.9833;-28.3500	
Umfolozi-Wildreservaat (see Umfolozi Game Reserve)	South Africa		31.8333;-28.3333	
Umfolozi-wildreserwe (see Umfolozi Game Reserve)	South Africa		31.8333;-28.3333	
White Umfolosi River, Zululand	South Africa		31.8333;-28.3167	

SE 28031Ca:

Ferncliff [farmstead]	South Africa		31.2167;-28.5333	
Mooiplaas, SAPPI (see also: Stan Hope Mine)	South Africa		31.1653;-28.5583	864 m
Mooiplass Plantation, Melmoth area	South Africa		31.1652;-28.5582	864 m
Nkandla Forest Reserve	South Africa		31.1278;-28.7236	
Stan Hope Mine (see Mooiplaas, SAPPI)	South Africa		31.1653;-28.5583	864 m

SE 28031Cb:

Eshowe, 20 mi [=32 km] NW (see Jususie valley)	South Africa	ca.	31.4667;-28.6000	
Insuzi valley (see Jususie valley), Zululand, 20 mi [=32 km] NW Eshowe	South Africa	ca.	31.4667;-28.6000	
Jususie valley, Zululand, 20 mi [=32 km] NW Eshowe (see also: Eshowe, 20 mi [=32 km] NW, Insuzi valley)	South Africa	ca.	31.4667;-28.6000	
Melmoth	South Africa		31.3833;-28.5833	

SE 28031Da:

Empangeni, 17 km N, 15 km W (see Ntambanana [farmstead])	South Africa		31.7422;-28.6036	250 m
Ntambanana [farmstead], Mtonjaneni (see also: Empangeni, 17 km N, 15 km W)	South Africa		31.7422;-28.6036	250 m

SE 28031Cc:

Fort Yellond Farm (see Fort Yolland mission)	South Africa		31.2219;-28.8497	742 m
Fort Yolland Farm (see Fort Yolland mission), W of Eshowe	South Africa		31.2219;-28.8497	739 m
Fort Yolland mission, W of Eshowe (see also: Fort Yellond Farm, Fort Yolland Farm)	South Africa		31.2219;-28.8497	742 m
Insusie Valley (see Nsuze river)	South Africa		31.0333;-28.8500	
Insuzi river (see Nsuze river)	South Africa		31.0333;-28.8500	
Nsuze river (see also: Insusie Valley, Insuzi river)	South Africa		31.0500;-28.8833	

SE 28031Cd:

Dlinza Forest, Eshowe	South Africa		31.4500;-28.8997	515 m
Entumeni Nature Reserve	South Africa		31.3708;-28.8842	
Eshowe, 8 Residency Road	South Africa		31.4580;-28.8907	533 m
Eshowe, 4 Leigh Road	South Africa		31.4655;-28.8914	526 m
Eshowe	South Africa		31.4667;-28.8833	
Farm Vuma, Entumeni (see also: Vuma, Farm)	South Africa		31.4167;-28.8333	
Vuma, Farm (see Farm Vuma), near Entumeni Nature Reserve	South Africa		31.3833;-28.8833	583 m

SE 28031Dc:

Farm Twin Streams, Mtunzini (see also: Twin Streams Farm)	South Africa		31.7000;-28.9667	
Ngoye hills, Umgoye forest	South Africa		31.6667;-28.8333	
Twin Streams Farm (see Farm Twin Streams), Mtunzini	South Africa		31.7000;-28.9667	

SE 28031Dd:

Mtunzini	South Africa		31.7667;-28.9500	

Port Durnford	South Africa		31.8167;-28.9000	41 m
Port Durnford Forest Reserve	South Africa		31.8500;-28.8833	
Umlalazi Nature Reserve, Mtunzini	South Africa		31.7689;-28.9636	10 m

SE 28032Aa:

eGodeni	South Africa		32.0336;-28.0833	
Godeni, E	South Africa		32.0333;-28.0833	450 m
Hluhluwe Game Reserve (see also: Hluhluwe Reserve, Hluhluwe Wildtuin)	South Africa		32.0833;-28.0833	
Hluhluwe Research camp	South Africa		32.0333;-28.0667	
Hluhluwe Reserve (see Hluhluwe Game Reserve)	South Africa		32.0833;-28.0833	
Hluhluwe Wildtuin (see Hluhluwe Game Reserve)	South Africa		32.0833;-28.0833	
Hluhluwe-Imfolozi Game Reserve	South Africa		32.0833;-28.0833	
Hluhluwe-Imfolozi Park, HQ	South Africa		32.0339;-28.0689	
Mansia Valley (see Mansiya Valley)	South Africa	ca.	32.0833;-28.0500	
Mansiya, near Hluhluwe-Imfolozi Park	South Africa		32.0492;-28.0369	
Mansiya Valley (see also: Mansia Valley)	South Africa	ca.	32.0833;-28.0500	

SE 28032Ab:

Bonamanzi Game Reserve, 5 km S Hluhluwe Village (see also: Hluhluwe Village, 5 km S)	South Africa		32.3000;-28.1000	63 m
Charter's Creek, W shores Lake St. Lucia	South Africa		32.4139;-28.2000	20 m
Dugundhlovu camp site	South Africa		32.3500;-28.0167	
Eastern Shores (see Eastern Shores State Forest)	South Africa		32.4833;-28.1833	
Eastern Shores Nature Reserve (see Eastern Shores State Forest)	South Africa		32.4833;-28.1833	
Eastern Shores State Forest (see also: Eastern Shores, Eastern Shores Nature Reserve, Greater St. Lucia Wetland Park)	South Africa		32.4833;-28.1833	
False Bay Nature Reserve (see also: False Bay Park)	South Africa		32.3500;-28.0167	
Greater St. Lucia Wetland Park (see Eastern Shores State Forest)	South Africa		32.4833;-28.1833	
Hells Gate [marine channel] (see also: Hells Gate Military Base)	South Africa		32.4292;-28.0431	39 m
Hells Gate Military Base (see Hells Gate [marine channel])	South Africa		32.4292;-28.0431	39 m
Hluhluwe Village, 5 km S (see Bonamanzi Game Reserve)	South Africa		32.3000;-28.1000	63 m
Lalapanzi Pan	South Africa		32.2950;-28.0569	
Nyalazi Forest (see Nyalazi Staatsbos)	South Africa		32.3833;-28.1500	
Nyalazi Staatsbos (see also: Nyalazi Forest)	South Africa		32.3833;-28.1500	

SE 28032Ba:

Cape Vidal (see Cape Vidal State Forest), Eastern Shores Nature Reserve	South Africa		32.5333;-28.0667	
Cape Vidal Nature Reserve, E shores	South Africa		32.5467;-28.1442	50 m
Cape Vidal State Forest, Eastern Shores Nature Reserve (see also: Cape Vidal)	South Africa		32.5333;-28.0667	
Isimangaliso Wetland Park	South Africa	ca.	32.5000;-28.2000	
KwaSheleni, near Lake St. Lucia	South Africa		32.5208;-28.1789	40 m

SE 28032Ac:

Madwaleni (see also: Mtubatuba, 18 mi [=29 km] N)	South Africa		32.1886;-28.2935	
Matubatuba	South Africa		32.1667;-28.4167	
Mtubatuba, 18 mi [=29 km] N (see Madwaleni)	South Africa		32.1886;-28.2935	
Somkele	South Africa		32.1000;-28.3167	110 m

SE 28032Ad:

Dukuduku Forest (see Dukuduku State Forest), 6 km NNE Hlabisa	South Africa		32.3167;-28.3833	
Dukuduku Forest Reserve (see Dukuduku State Forest), 6 km NNE Hlabisa	South Africa		32.3167;-28.3833	
Dukuduku Forest Station (see Dukuduku State Forest), 6 km NNE Hlabisa	South Africa		32.3167;-28.3833	

Dukuduku Staatsbos (see Dukuduku State Forest), 6 km NNE Hlabisa	South Africa	32.3167;-28.3833	
Dukuduku State Forest, 6 km NNE Mtubatuba (see also: Dukuduku Forest, Dukuduku Forest Reserve, Dukuduku Forest Station, Dukuduku Staatsbos, Hlabisa, 6 km NNE, Mtubatuba, 6 km NNE)	South Africa	32.3167;-28.3833	
Futululu Research Station (see Mfutululu [Forest Station]), St. Lucia	South Africa	32.2667;-28.4167	45 m
Hlabisa, 6 km NNE (see Dukuduku State Forest)	South Africa	32.3167;-28.3833	
Ipheva camp site, St. Lucia, 2 km N St. Lucia Village (see also: Iphiva Camp, St. Lucia Village, 2 km N)	South Africa	32.4306;-28.3531	20 m
Iphiva Camp (see Ipheva camp site)	South Africa	32.4167;-28.3500	20 m
Mapelana (see also: Mapelane)	South Africa	32.4167;-28.4000	
Mapelane (see Mapelana)	South Africa	32.4167;-28.4000	
Mfutululu [Forest Station], Dududuku forest (see also: Futululu Research Station)	South Africa	32.2667;-28.4167	45 m
Mission Rocks	South Africa	32.4967;-28.2600	4 m
Mission Rocks (Eastern Shore)	South Africa	32.4833;-28.2667	10 m
Mission Rocks Outpost	South Africa	32.4917;-28.2672	
Mtubatuba, 6 km NNE (see Dukuduku State Forest)	South Africa	32.3167;-28.3833	
Perna Perna Resort	South Africa	32.4111;-28.3786	23 m
Saint Lucia (see Saint Lucia Estuary)	South Africa	32.4028;-28.3686	
Saint Lucia Estuary (see also: Saint Lucia, Saint Lucia Village, Saint Lucia Village Crocodile Centre, St. Lucia, St. Lucia Crocodile centre, St. Lucia Estuary, St. Lucia Lake, St. Lucia Wetland Park, Sugarloaf Camp Site)	South Africa	32.4028;-28.3686	
Saint Lucia Village (see Saint Lucia Estuary)	South Africa	32.4028;-28.3686	
Saint Lucia Village Crocodile Centre (see Saint Lucia Estuary)	South Africa	32.4028;-28.3686	
St Lucia Estuary, 8 mi [= 13 km] N	South Africa	32.4333;-28.2664	
St. Lucia (see Saint Lucia Estuary)	South Africa	32.4028;-28.3686	
St. Lucia Crocodile centre (see Saint Lucia Estuary), Hlabisa district	South Africa	32.4028;-28.3686	
St. Lucia Estuary (see Saint Lucia Estuary)	South Africa	32.4167;-28.3833	
St. Lucia Forest Station	South Africa	32.4000;-28.3500	100 m
St. Lucia Lake (see Saint Lucia Estuary)	South Africa	32.4028;-28.3686	
St. Lucia Lake, E shores	South Africa	32.3833;-28.2667	
St. Lucia Resort	South Africa	32.4250;-28.3833	15 m
St. Lucia village	South Africa	32.4167;-28.3833	
St. Lucia Village, 2 km N (see Ipheva camp site)	South Africa	32.4167;-28.3500	20 m
St. Lucia Wetland Park (see Saint Lucia Estuary)	South Africa	32.4028;-28.3686	
Sugarloaf Camp Site (see Saint Lucia Estuary)	South Africa	32.4028;-28.3686	

SE 28032Bc:

Bat's Cave, Mission Rocks (see Mission Rocks Bats Cave), 12 km N, 8 km E St. Lucia Estuary	South Africa	32.5000;-28.2667	0 m
Mission Rocks Bats Cave, 16 km N S. Lucia estuary (see also: Bat's Cave, Mission Rocks, St. Lucia Estuary, 12 km N, 8 km E, St. Lucia estuary, 16 km N)	South Africa	32.5000;-28.2667	0 m
St. Lucia Estuary, 12 km N, 8 km E (see Mission Rocks Bats Cave)	South Africa	32.5000;-28.2667	0 m
St. Lucia estuary, 16 km N (see Mission Rocks Bats Cave)	South Africa	32.5000;-28.2667	0 m

SE 28032Ca:

Empangeni, 14 km NE (see Enseleni Nature Reserve)	South Africa	32.0033;-28.6893	
Enseleni Nature Reserve, 14 km NE Empangeni (see also: Empangeni, 14 km NE)	South Africa	32.0033;-28.6893	

SE 28032Cc:

Richards Bay (see also: Richardsbaai)	South Africa	32.0539;-28.7753	11 m
Richardsbaai (see Richards Bay)	South Africa	32.0539;-28.7753	11 m

SE 29016Bd:

Port Nolloth	South Africa		16.8667;-29.2667	10 m
Port Nolloth, 15 mi [=24 km] inland	South Africa		16.8500;-29.2833	

SE 29017Aa:

Augrabies Wes, Farm 153 (see Farm Oograbies West 153)	South Africa		17.0833;-29.2000	
Farm 153 (Augrabies Wes) (see Farm Oograbies West 153)	South Africa		17.0833;-29.2000	
Farm 153 (Oograbies West) (see Farm Oograbies West 153)	South Africa		17.0833;-29.2000	
Farm Augrabies Wes 153 (see Farm Oograbies West 153)	South Africa		17.0833;-29.2000	
Farm Oograbies West 153 (see also: Augrabies Wes, Farm 153, Farm 153 (Augrabies Wes), Farm 153 (Oograbies West), Farm Augrabies Wes 153, Oograbies West, Farm 153)	South Africa		17.0833;-29.2000	
Oograbies West, Farm 153 (see Farm Oograbies West 153)	South Africa		17.0833;-29.2000	

SE 29017Bc:

Steinkopf	South Africa		17.7333;-29.2667	790 m

SE 29017Cb:

Springbok, 14 km N, 44 km W	South Africa		17.4167;-29.5333	500 ft

SE 29017Da:

Witwater, 25 mi [=40 km] W	South Africa	ca.	17.5754;-29.5209	

SE 29017Db:

Farm Modder Fontein, 7 - 8 mi [=11.3 - 12.8 km] W Springbok (see also: Farm Modderfontein, Modder Fontein, Farm, Modderfontein, Farm, Springbok, 7 - 8 mi [=11.3 - 12.8 km] W)	South Africa		17.8000;-29.6833	
Farm Modderfontein (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok	South Africa		17.8000;-29.6833	
Goegap Nature Reserve, Springbok	South Africa		17.9833;-29.6667	
Hester Malan Veldblomreservaat (see also: Hester Malan Nature Reserve, Hester Malan Wild Flower Reserve, Springbok, 10.0 km E)	South Africa		17.9833;-29.6500	1100 m
Modder Fontein, Farm (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok	South Africa		17.8000;-29.6833	
Modderfontein, Farm (see Farm Modder Fontein), 7 - 8 mi [=11.3 - 12.8 km] W Springbok	South Africa		17.8000;-29.6833	
Nababeep Wes Mine	South Africa		17.7545;-29.5899	3300 ft
Okiep (see also: Ookiep, O'Okiep)	South Africa		17.8817;-29.5944	
Ookiep (see Okiep)	South Africa		17.8817;-29.5944	
O'Okiep (see Okiep)	South Africa		17.8817;-29.5944	
Springbok, 10.0 km E (see Hester Malan Veldblomreservaat)	South Africa		17.9833;-29.6500	1100 m
Springbok, 7 - 8 mi [=11.3 - 12.8 km] W (see Farm Modder Fontein)	South Africa		17.8000;-29.6833	

SE 29017Dd:

Farm Narap, 28 km SSE Springbok (see also: Marop, Narap, Farm, Springbok, 28 km SSE)	South Africa		17.7667;-29.8833	
Marop (see Farm Narap), 28 km SSE Springbok	South Africa		17.7667;-29.8833	
Narap, Farm (see Farm Narap), 28 km SSE Springbok	South Africa		17.7667;-29.8833	
Springbok, 28 km SSE (see Farm Narap)	South Africa		17.7667;-29.8833	
Springbok,10 km S, 3 km W	South Africa		17.8500;-29.7500	3000 ft

SE 29018Bb:

Gaamsberg (see Gams se Berg)	South Africa	18.9731;-29.2444	
Gamberg (see Gams se Berg)	South Africa	18.9731;-29.2444	
Gams se Berg (see also: Gaamsberg, Gamberg, Gamsberg)	South Africa	18.9731;-29.2444	
Gamsberg (see Gams se Berg)	South Africa	18.9731;-29.2444	

SE 29018Ca:

Goegab [farmstead] (see also: Goegap [farmstead])	South Africa	18.0333;-29.7000	
Goegap [farmstead] (see Goegab [farmstead])	South Africa	18.0333;-29.7000	
Hester Malan Nature Reserve (see Hester Malan Veldblomreservaat)	South Africa	18.0333;-29.6667	1100 m
Hester Malan Wild Flower Reserve (see Hester Malan Veldblomreservaat)	South Africa	18.0333;-29.6667	1100 m

SE 29022Aa:

Boegoeberg Dam, 0.5 mi E	South Africa	22.2000;-29.0500	

SE 29022Ab:

Farm 320 (Leelykstraat) (see Farm Leelykstraat 320), 30 km NE Marydale	South Africa	22.3000;-29.1833	
Farm Leelykstraat 320, 30 km NE Marydale (see also: Farm 320 (Leelykstraat), Leelykstraat, Farm 320, Marydale, 30 km NE)	South Africa	22.3000;-29.1833	
Leelykstraat, Farm 320 (see Farm Leelykstraat 320), 30 km NE Marydale	South Africa	22.3000;-29.1833	
Marydale, 30 km NE (see Farm Leelykstraat 320)	South Africa	22.3000;-29.1833	

SE 29022Dd:

Farm 71 (Keikamspoort) (see Farm Keikamspoort 71), 20 km SE Prieska	South Africa	22.8667;-29.8833	
Farm Keikamspoort 71, 20 km SE Prieska (see also: Farm 71 (Keikamspoort), Keikamspoort, Farm 71, Prieska, 20 km SE)	South Africa	22.8667;-29.8833	
Keikamspoort, Farm 71 (see Farm Keikamspoort 71), 20 km SE Prieska	South Africa	22.8667;-29.8833	
Prieska, 20 km SE (see Farm Keikamspoort 71)	South Africa	22.8667;-29.8833	

SE 29023Bb:

Mazelfontein	South Africa	23.8667;-29.1167	

SE 29023Dc:

Farm Slingerpan, 14.9 km N, 9.2 km W Strydenburg (see also: Slingerpan, Farm, Strydenburg, 14.9 km N, 9.2 km W)	South Africa	23.5822;-29.8078	1158 m
Slingerpan, Farm (see Farm Slingerpan)	South Africa	23.5822;-29.8078	1158 m
Strydenburg, 14.9 km N, 9.2 km W (see Farm Slingerpan)	South Africa	23.5822;-29.8078	1158 m

SE 29024Bb:

Jacobsdal, Subdivision 1 of Wagenmakersdrift	South Africa	24.7667;-29.1333	1102 m

SE 29024Ca:

Orange River Station, Alfalfa, Hopetown	South Africa	24.1250;-29.6250	

SE 29024Cb:

Farm 246 (Zoutpansdrift) (see Farm Zoutpansdrift 246), Luckhoff	South Africa	24.3833;-29.7167	
Farm 729 (Peperhoek) (see Farm Peperhoek 729), Fauresmith	South Africa	24.3750;-29.6250	

Farm Peperhoek 729, Fauresmith (see also: Farm 729 (Peperhoek), Peperhoek, Farm 729)	South Africa	24.3750;-29.6250	
Farm Zoutpansdrift 246, Luckhoff (see also: Farm 246 (Zoutpansdrift), Zoutpansdrift, Farm 246)	South Africa	24.3833;-29.7167	
Peperhoek, Farm 729 (see Farm Peperhoek 729), Fauresmith	South Africa	24.3750;-29.6250	
Zoutpansdrift, Farm 246 (see Farm Zoutpansdrift 246), Luckhoff	South Africa	24.3833;-29.7167	

SE 29024Db:

Driehoek, Farm 218 (see Farm Driehoek 218), Luckhoff	South Africa	24.8667;-29.6333	
Farm 218 (Driehoek) (see Farm Driehoek 218), Luckhoff	South Africa	24.8667;-29.6333	
Farm Driehoek 218, Luckhoff (see also: Driehoek, Farm 218, Farm 218 (Driehoek))	South Africa	24.8667;-29.6333	

SE 29024Dd:

Knoffelfontein	South Africa	24.8167;-29.8667	1233 m
Luchoff, 16 mi [=25.7 km] S (see Luchoff, 16 mi [=25.7 km] S) (see also: Luchoff, 16 mi [=25.7 km] S)	South Africa	24.8167;-29.8667	1233 m
Luckhoff	South Africa	24.7833;-29.7500	1283 m

SE 29025Ab:

Petrusburg	South Africa	25.4167;-29.1167	1263 m

SE 29025Ca:

Alma, Farm (see Farm Alma)	South Africa	25.1000;-29.6667	
Farm Alma (see also: Alma, Farm)	South Africa	25.1000;-29.6667	

SE 29025Cb:

Jagersfontein Commonage, Disused mine	South Africa	25.3833;-29.6500	

SE 29025Db:

Edenburg, Roodepoort [105]	South Africa	25.9333;-29.7333	1375 m
Farm 398 (Spitskop) (see Farm Spitskop 398), Fauresmith	South Africa	25.9833;-29.5000	
Farm Spitskop 398, Fauresmith (see also: Farm 398 (Spitskop), Spitskop, Farm 398)	South Africa	25.9833;-29.5000	
Spitskop, Farm 398 (see Farm Spitskop 398), Fauresmith	South Africa	25.9833;-29.5000	

SE 29025Cd:

Farm 92 (Zuurfontein) (see Farm Zuurfontein 92), Fauresmith	South Africa	25.4000;-29.9167	
Farm Zuurfontein 92, Fauresmith (see also: Farm 92 (Zuurfontein), Zuurfontein, Farm 92)	South Africa	25.4000;-29.9167	
Fauresmith, Boringst.	South Africa	25.3167;-29.7500	1460 m
Jagersfontein, Ooskloof 20	South Africa	25.4167;-29.7667	1436 m
Zuurfontein, Farm 92 (see Farm Zuurfontein 92), Fauresmith	South Africa	25.4000;-29.9167	

SE 29026Aa:

Bloemfontein	South Africa	26.2000;-29.1333	1423 m

SE 29026Ab:

Shannon [railroad siding], Bloemfontein	South Africa	26.2833;-29.1333	

SE 29026Ba:

Giel de Wet Park (see also: Thaba Nchu)	South Africa	26.6250;-29.1250	
Thaba Nchu (see Giel de Wet Park), Giel de Wet Park	South Africa	26.6250;-29.1250	

SE 29026Bb:

Farm 97 (Koele) (see Thaba Nchu)	South Africa	26.8333;-29.2167	1531 m
Farm Koele 97 (see Thaba Nchu)	South Africa	26.8333;-29.2167	1531 m
Koele, Farm 97 (see Thaba Nchu)	South Africa	26.8333;-29.2167	1531 m
Thaba Nchu, Koele [97] (see also: Farm 97 (Koele), Farm Koele 97, Koele, Farm 97)	South Africa	26.8333;-29.2167	1531 m

SE 29026Ca:

Farm 405 (Hexrivier) (see Farm Hexrivier 405)	South Africa	26.1667;-29.6500	
Farm Hexrivier 405 (see also: Farm 405 (Hexrivier), Hexrivier, Farm 405)	South Africa	26.1667;-29.6500	
Hexrivier, Farm 405 (see Farm Hexrivier 405)	South Africa	26.1667;-29.6500	
Reddersburg (see also: Reddersburgh Farm)	South Africa	26.1678;-29.6531	1402 m
Reddersburgh Farm (see Reddersburg)	South Africa	26.1678;-29.6531	1402 m

SE 29026Da:

Dewetsdorp, Leeukop [105]	South Africa	26.6667;-29.5833	1591 m

SE 29027Aa:

Tweespruit, Stratheam	South Africa	27.1250;-29.1250	

SE 29027Ab:

Farm 291 (Pinehurst) (see Farm Pinehurst 291), Ladybrand	South Africa	27.3750;-29.1250	
Farm 667 (Nova) (see Farm Nova 667), Ladybrand	South Africa	27.3750;-29.1250	
Farm Nova 667, Ladybrand (see also: Farm 667 (Nova), Nova, Farm 667)	South Africa	27.3750;-29.1250	
Farm Pinehurst 291, Ladybrand (see also: Farm 291 (Pinehurst), Pinehurst, Farm 291)	South Africa	27.3750;-29.1250	
Ladybrand, Alpha (see also: Ladybrand Commonage, Ladybrand Town)	South Africa	27.4500;-29.2000	1577 m
Ladybrand Commonage (see Ladybrand), Leliehoek	South Africa	27.4500;-29.2000	1577 m
Ladybrand Town (see Ladybrand)	South Africa	27.4500;-29.2000	1577 m
Nova, Farm 667 (see Farm Nova 667), Ladybrand	South Africa	27.3750;-29.1250	
Pinehurst, Farm 291 (see Farm Pinehurst 291), Ladybrand	South Africa	27.3750;-29.1250	

SE 29027Ba:

Teyateyaneng	Lesotho	27.7333;-29.1500	1595 m

SE 29027Ac:

Farm 415 (Lemoenhoek) (see Farm Lemoenhoek 415), Ladybrand	South Africa	27.1250;-29.3750	
Farm Lemoenhoek 415, Ladybrand (see also: Farm 415 (Lemoenhoek), Lemoenhoek, Farm 415)	South Africa	27.1250;-29.3750	
Lemoenhoek, Farm 415 (see Farm Lemoenhoek 415), Ladybrand	South Africa	27.1250;-29.3750	

SE 29027Ca:

Hermon	Lesotho	27.1167;-29.7333	1450 m

SE 29027Dc:

Botsoela (mission) (see Kwepe)	Lesotho	27.5667;-29.8500	1847 m
Kwepe (see Kwepe)	Lesotho	27.5667;-29.8500	1847 m
(see also: Botsoela (mission), Kwepe)			
Malealea	Lesotho	27.5667;-29.8500	1847 m

SE 29028Ab:

Pelaneng, Lepaqoa	Lesotho	28.3750;-29.1250	
Pelaneng River, along	Lesotho	28.4667;-29.0500	2200 m

SE 29028Ca:

Ha Natla	Lesotho	28.1250;-29.6250	
Marakabei (see Marakabeis)	Lesotho	28.1500;-29.5333	2040 m
Marakabeis	Lesotho	28.1500;-29.5333	2040 m
(see also: Marakabei, Saint John Baptist)			
Saint John Baptist (see Marakabeis)	Lesotho	28.1500;-29.5333	2040 m

SE 29028Da:

Mahlanapeng	Lesotho	28.6250;-29.6250	

SE 29028Cc:

Semonkong (mission), Phallang	Lesotho	28.1000;-29.8167	

SE 29028Dd:

Sehonghong, Moqotoane	Lesotho	28.8167;-29.8000	1714 m

SE 29029Ab:

Giant's Castle Game and Nature Reserve (see Giant's Castle Game Reserve)	South Africa	29.4833;-29.2333	
Giant's Castle Game Reserve	South Africa	29.4833;-29.2333	
(see also: Giant's Castle Game and Nature Reserve, Giants Castle Wildreserve)			
Giants Castle Wildreserve (see Giant's Castle Game Reserve)	South Africa	29.4833;-29.2333	

SE 29029Bb:

Estcourt	South Africa	29.8833;-29.0000	
Mooi River district	South Africa	ca. 29.9833;-29.2167	

SE 29029Ac:

Abia (see Mateanong)	Lesotho	29.2167;-29.3500	
Mateanong	Lesotho	29.2167;-29.3500	
(see also: Abia)			
Mateanong, 15 km E (see Nkokomele, near), Nkokomele, near	Lesotho	ca. 29.2167;-29.3500	
Nkokomele, near	Lesotho	ca. 29.2167;-29.3500	
(see also: Mateanong, 15 km E)			

SE 29029Bc:

Gladstone's Nose [mountain]	South Africa	29.6500;-29.4000	
Himeville, 45 km N (see Lotheni Nature Reserve)	South Africa	29.5333;-29.4500	1580 m
Kamberg Nature Reserve	South Africa	29.6833;-29.4833	1800 m
Loteni Nature Reserve	South Africa	29.5300;-29.4667	
Lotheni Nature Reserve, 45 km N of Himeville	South Africa	29.5333;-29.4500	1580 m
(see also: Himeville, 45 km N)			

SE 29029Bd:

Farm 2369 (Wakefield) (ptn 13) (see Farm Wakefield 2369 (ptn 13))	South Africa	29.8981;-29.4869	

Farm Wakefield 2369 (ptn 13) (see also: Farm 2369 (Wakefield) (ptn 13), Wakefield, Farm 2369 (ptn 13))	South Africa		29.8981;-29.4869	
Wakefield, Farm 2369 (ptn 13) (see Farm Wakefield 2369 (ptn 13))	South Africa		29.8981;-29.4869	

SE 29029Db:

Boston	South Africa	ca.	29.9500;-29.6667	
Virginia Farm, W of Boston	South Africa		29.9500;-29.6667	664 m

SE 29029Cc:

Garden Castle Nature Reserve (see Garden Castle State Forest), 33 km W of Underberg	South Africa		29.1833;-29.7833	
Garden Castle State Forest (see also: Garden Castle Nature Reserve, Underberg, 33 km W)	South Africa		29.1833;-29.7833	
Sehlabathebe National Park, small dam	Lesotho		29.0833;-29.8667	2795 m
Underberg, 33 km W (see Garden Castle State Forest)	South Africa		29.1833;-29.7833	

SE 29029Cd:

Kamberg Valley	South Africa		29.3636;-29.7511	

SE 29029Dc:

Himeville	South Africa		29.5000;-29.7500	1579 m
Underberg, Trout hatchery	South Africa		29.5000;-29.7833	1579 m

SE 29029Dd:

Donnybrook, 15 km W (see Hlabeni Forest Reserve)	South Africa		29.7667;-29.9500	1318 m
Hlabeni Forest Reserve, 15 km W Donnybrook (see also: Donnybrook, 15 km W)	South Africa		29.7667;-29.9500	1318 m

SE 29030Aa:

Weston Agricultural College	South Africa		30.0375;-29.2125	1468 m

SE 29030Ab:

Mhlopeni Ranch	South Africa		30.4167;-29.0167	

SE 29030Ba:

Greytown	South Africa		30.6100;-29.1100	1015 m
Sweetwaters, Pietermartizburg	South Africa		30.6167;-29.2333	1065 m
Tugela river, Cafferland	South Africa		30.5000;-29.0000	

SE 29030Ac:

Hilgobbin Dargler	South Africa		30.1000;-29.4167	
Howick (see also: Howick Village)	South Africa		30.2333;-29.4667	
Howick Village (see Howick)	South Africa		30.2333;-29.4667	
Lebanon Sappi plantation, near Howick	South Africa		30.2088;-29.3133	
Lions river	South Africa		30.2167;-29.4833	
Natal Midlands	South Africa		30.0000;-29.3500	
Natal Midlands	South Africa		30.0000;-29.3500	
Nottingham Road (see also: Nottingham weg)	South Africa		30.0000;-29.3500	
Nottingham weg (see Nottingham Road)	South Africa		30.0000;-29.3500	1533 m

SE 29030Ad:

Albert Falls Nature Reserve, 20 km N Pietermaritzburg (see also: Albert Falls Public Resort, Albert Falls Resource Reserve)	South Africa		30.4286;-29.4458	
Albert Falls Public Resort (see Albert Falls Nature Reserve)	South Africa		30.4000;-29.4500	
Albert Falls Resource Reserve (see Albert Falls Nature Reserve)	South Africa		30.4286;-29.4458	

Broughton	South Africa		30.4500;-29.4333	737 m
Chalet 1	South Africa		30.3833;-29.4667	
Everdon (see also: Everton)	South Africa		30.2500;-29.4500	
Everton (see Everdon)	South Africa		30.2500;-29.4500	1276 m
Farm 969 (Welgevonden) (see Farm Welgevonden 969)	South Africa		30.2775;-29.3319	
Farm Welgevonden 969 (see also: Farm 969 (Welgevonden), Welgevonden, Farm 969)	South Africa		30.2775;-29.3319	
Howick, 13 mi [=21 km] from (see Karkloof Forests)	South Africa		30.2833;-29.4000	
Karkloof Forests, 13 mi Howick (see also: Howick, 13 mi [=21 km] from)	South Africa		30.2833;-29.4000	
Khayalami Bay	South Africa	ca.	30.3941;-29.4262	663 m
Pietermaritzburg, 15 km N (see Saxony Cave)	South Africa		30.3333;-29.4667	790 m
Pietermaritzburg, 16 km NNE	South Africa		30.4466;-29.4833	
Pietermaritzburg, 18 km N	South Africa	ca.	30.3909;-29.4898	
Pietermaritzburg, 20 km ENE	South Africa	ca.	30.4898;-29.4420	
Saxony Cave, 15 km N Pietermaritzburg (see also: Pietermaritzburg, 15 km N)	South Africa		30.3333;-29.4667	790 m
Welgevonden, Farm 969 (see Farm Welgevonden 969)	South Africa		30.2775;-29.3319	

SE 29030Bc:

New Hanover school	South Africa		30.5333;-29.3500	717 m

SE 29030Ca:

Merrivale	South Africa		30.2333;-29.5167	1031 m
Midmar Training Centre	South Africa		30.2083;-29.5292	

SE 29030Cb:

Ashburton House (see Ashburton, Farm), Pietermaritzburg	South Africa		30.4667;-29.6333	760 m
Ashburton, Farm, 6 km S, 8 km E Pietermaritzburg (see also: Ashburton House, Farm Ashburton, Pietermaritzburg, 6 km S, 8 km E)	South Africa		30.4667;-29.6667	760 m
Bishopstowe cave, Pietermaritzburg	South Africa		30.4556;-29.5767	823 m
Bisley, near Pietermaritzburg	South Africa		30.3167;-29.7000	695 m
Chase Valley, Pietermaritzburg (see also: Chase Valley Heights)	South Africa		30.3667;-29.5667	798 m
Chase Valley Heights (see Chase Valley)	South Africa		30.3667;-29.5667	
EKZN Wildlife Headquarters	South Africa		30.3208;-29.5664	
Farm Ashburton (see Ashburton, Farm), Pietermaritzburg	South Africa		30.4667;-29.6333	760 m
Farm Otto's Bluff, 15 km NNW Pietermaritzburg (see also: Koks farm, Kok's farm, Ottos Bluff, Otto's Bluff Farm, Pietermaritzburg, 15 km NNW)	South Africa		30.3500;-29.5000	1188 m
Ferncliff, Pietermaritzburg	South Africa		30.3833;-29.6000	
Ferncliff Nature Reserve	South Africa		30.3333;-29.5333	1000 m
Ferncliffe Nature Reserve	South Africa		30.3200;-29.5500	
Hilton, Pietermartzburg (see also: Hilton Railway tunnel)	South Africa		30.3000;-29.5167	1140 m
Hilton Railway tunnel (see Hilton), Pietermaritzburg	South Africa		30.3000;-29.5167	1140 m
Kok's farm (see Farm Otto's Bluff), 15 km NNW Pietermaritzburg	South Africa		30.3500;-29.5000	1188 m
Koks farm (see Farm Otto's Bluff), Pietermaritzburg	South Africa		30.3500;-29.5000	1188 m
Longstead Farm, near Claridge	South Africa		30.3714;-29.5131	
Maritzburg (see Pietermaritzburg)	South Africa		30.3833;-29.6167	
Montrose	South Africa		30.3522;-29.5750	717 m
Ottos Bluff (see Farm Otto's Bluff), Pietermaritzburg	South Africa		30.3500;-29.5000	1188 m
Otto's Bluff Farm (see Farm Otto's Bluff), 15 km NNW Pietermaritzburg	South Africa		30.3500;-29.5000	1188 m
Pietermaritsburg (see Pietermaritzburg)	South Africa		30.3833;-29.6167	
Pietermaritzburg (see also: Maritzburg, Pietermaritsburg)	South Africa		30.3833;-29.6167	
Pietermaritzburg area	South Africa	ca.	30.3833;-29.6167	
Pietermaritzburg University Campus	South Africa		30.3833;-29.6000	670 m
Pietermaritzburg, 15 km NNW (see Farm Otto's Bluff), Pietermaritzburg	South Africa		30.3500;-29.5000	1188 m
Pietermaritzburg, 2 km N (see Town Bush cave)	South Africa		30.3000;-29.5167	
Pietermaritzburg, 6 km S, 8 km E (see Ashburton, Farm)	South Africa		30.4667;-29.6667	760 m
Queen Elizabeth Park, Pietermaritzburg	South Africa		30.3167;-29.5500	
Scottsville, 26 Hutchinson Road	South Africa		30.4333;-29.6000	
Town Bush	South Africa		30.3500;-29.5500	

Town Bush cave, 2 km N Pietermaritzburg (see also: Pietermaritzburg, 2 km N, Townbush Cave)	South Africa		30.3000;-29.5167	975 m
Townbush Cave (see Town Bush cave), Pietermaritzburg	South Africa		30.3000;-29.5167	975 m
Townbush Valley	South Africa	ca.	30.3000;-29.5167	

SE 29030Da:

Cato Ridge	South Africa	30.6336;-29.6969	807 m
Cato Ridge, 3 km NE	South Africa	30.5833;-29.7333	ca. 800 m
Doornhoek mine, 13.0 km E Pietermaritzburg (see also: Pietermaritzburg, 13.0 km E)	South Africa	30.5167;-29.6000	535 m
Doornhoek, Farm (see Farm Doornhoek), Pietermaritzburg	South Africa	30.5167;-29.6000	
Durban, 48 km NW (see Umgeni (Fish) Hatchery)	South Africa	30.6217;-29.5903	400 m
Farm Doornhoek, Pietermaritzburg (see also: Doornhoek, Farm)	South Africa	30.5167;-29.6000	
Nagle Dam (see also: Nagle Dam Lodge, Pietermaritzburg, 25 km E)	South Africa	30.6333;-29.6000	365 m
Nagle Dam Fish Hatchery (see Umgeni (Fish) Hatchery)	South Africa	30.6217;-29.5903	400 m
Nagle Dam Lodge (see Nagle Dam)	South Africa	30.6333;-29.6000	365 m
Pietermaritzburg, 13.0 km E (see Doornhoek mine)	South Africa	30.5167;-29.6000	535 m
Pietermaritzburg, 23 km N (see Table Mountain Pothole)	South Africa	30.6000;-29.6000	915 m
Pietermaritzburg, 25 km E (see Nagle Dam)	South Africa	30.6333;-29.6000	365 m
Table Mountain Pothole (see also: Pietermaritzburg, 23 km N)	South Africa	30.6000;-29.6000	915 m
Umgeni (Fish) Hatchery, 48 km NW Durban (see also: Durban, 48 km NW, Nagle Dam Fish Hatchery)	South Africa	30.6217;-29.5903	400 m
World's View, Pietermartizburg	South Africa	30.5000;-29.6000	1070 m

SE 29030Db:

Amatikulu Mountain	South Africa	30.9200;-29.6950	
Glenmore	South Africa	30.9689;-29.5875	43 m
Inanda Dam	South Africa	30.8669;-29.7003	

SE 29030Cc:

Game Valley Estates, 17.5 km SSW Richmond, Hella-Hella (see also: Richmond, 17.5 km SSW)	South Africa	30.0500;-29.9000	
Hella Hella Game Reserve (see Hella Hella Game Valley)	South Africa	30.0833;-29.9000	564 m
Hella Hella Game Valley (see also: Hella Hella Game Reserve, Hella-Hella Game Valley Estates)	South Africa	30.0833;-29.9000	564 m
Hella-Hella Game Valley Estates (see Hella Hella Game Valley), Richmond	South Africa	30.0833;-29.9000	564 m
Richmond, 17.5 km SSW (see Game Valley Estates), Hella-Hella	South Africa	30.0500;-29.9000	

SE 29030Cd:

Farm Strathfieldsaye, near Eston (see also: Strathfieldsaye, Farm)	South Africa	30.4622;-29.9208	
Strathfieldsaye, Farm (see Farm Strathfieldsaye), near Eston	South Africa	30.4622;-29.9208	

SE 29030Dc:

Alverstone Lot 514	South Africa	30.7211;-29.7600	
Animal Lodge	South Africa	30.6733;-29.7611	
Beaumont	South Africa	30.5581;-29.8783	710 m
Botha's Hill, Rob Roy Hotel	South Africa	30.7333;-29.7500	
Craigieburn [Farmstead], Umkomaas, near	South Africa	30.6500;-29.9000	ca. 148 m
Eston	South Africa	30.5067;-29.8706	688 m
Mid-Illovo, Richmond district	South Africa	30.5000;-29.9667	
Nshongweni (see Ntshongweni Dam)	South Africa	30.7100;-29.8500	290 m
Nshongweni Dam (see Ntshongweni Dam)	South Africa	30.7100;-29.8500	290 m
Ntshongweni Dam (see also: Nshongweni, Nshongweni Dam , Shongweni , Shongweni Dam)	South Africa	30.7100;-29.8500	290 m
Shongweni (see Ntshongweni Dam)	South Africa	30.7100;-29.8500	290 m

Shongweni Dam (see Ntshongweni Dam)	South Africa		30.7100;-29.8500	290 m
Shongweni Resources Reserve	South Africa		30.7100;-29.8500	
Umbumbulu	South Africa		30.7000;-29.9833	593 m
Xanadu Farm, Drummond	South Africa	ca.	30.6936;-29.7617	

SE 29030Dd:

Bellair	South Africa		30.9500;-29.8833	
Bluff Nature Reserve	South Africa		30.9933;-29.9331	20 m
Carrington Heights	South Africa		30.9670;-29.8830	
Cavendish	South Africa		30.9133;-29.8969	
Chatsworth (see also: Chatsworth 1, Chatsworth Indian Township)	South Africa		30.8917;-29.9186	
Chatsworth 1 (see Chatsworth)	South Africa		30.8917;-29.9186	
Chatsworth Indian Township (see Chatsworth)	South Africa		30.8917;-29.9186	
Clairwood Park	South Africa		30.9667;-29.9333	
Cowies Hill	South Africa		30.8833;-29.8167	
Cowies Hill Park	South Africa		30.8828;-29.8244	322 m
Durban, 21 King George Avenue	South Africa		30.8309;-29.7520	559 m
Durban International Airport	South Africa		30.9419;-29.9669	
Durban, 5 km S (see Isipingo)	South Africa		30.9333;-29.9833	
Escombe, Durban, Queensburgh	South Africa		30.9000;-29.8667	71 m
Forest Hills, Epping Crescent	South Africa		30.8167;-29.7500	
Gillets (see Gillitts)	South Africa		30.7969;-29.7780	
Gilletts (see Gillitts), Durban	South Africa		30.7969;-29.7780	
Gillitts, Durban (see also: Gillets, Gilletts, Gillitts-Emberton)	South Africa		30.8000;-29.8000	
Gillitts-Emberton (see Gillitts), Durban	South Africa		30.7969;-29.7780	
Hathaway, Hillcrest, Wishart Road, 26	South Africa		30.7667;-29.7833	
Hillary	South Africa		30.9500;-29.8833	
Hillary area, Durban	South Africa		30.9500;-29.8833	115 m
Hillcrest, off Falcon Road	South Africa		30.7667;-29.7667	
Isipingo, 5 km S Durban (see also: Durban, 5 km S)	South Africa		30.9333;-29.9833	
Kenneth Stainbank Nature Reserve	South Africa		30.9333;-29.9167	
Kloof	South Africa		30.8333;-29.7833	
Kloof area	South Africa	ca.	30.8333;-29.7833	
Kloof Falls Road/ Bridle Road picnic site	South Africa		30.8167;-29.7667	
Kranskloof Nature Reserve (see Krantzkloof Nature Reserve), Durban, Kloof	South Africa		30.8333;-29.7667	434 m
Krantzkloof Nature Reserve (see also: Kranskloof Nature Reserve, Kranzkloof Nature Reserve)	South Africa		30.8333;-29.7667	434 m
Kranzkloof Nature Reserve (see Krantzkloof Nature Reserve)	South Africa		30.8333;-29.7667	434 m
Malvern	South Africa		30.9167;-29.8833	179 m
Manor Gardens	South Africa		30.9756;-29.8647	
Marshall Grove, Carrington Heights	South Africa		30.9694;-29.8872	60 m
Merebank	South Africa		30.9564;-29.9517	19 m
Montclair	South Africa		30.9689;-29.9206	70 m
Mosely	South Africa		30.8808;-29.8597	
Msinsi Nature Reserve	South Africa		30.9761;-29.8675	
N2 crosses Umhlanga River	South Africa		30.9517;-29.9064	
New Germany	South Africa		30.8722;-29.7825	697 m
Newlands West	South Africa		30.9581;-29.7878	
North Park Nature Reserve	South Africa		30.8667;-29.8667	209 m
Northdene	South Africa		30.8833;-29.8667	
Overport	South Africa		30.9900;-29.8389	
Palmiet Nature Reserve	South Africa		30.9333;-29.8333	168 m
Paradise Valley Nature Reserve	South Africa		30.8833;-29.8000	274 m
Pigeon Valley Park, Durban, Glenwood (see also: Pigeon Valley)	South Africa		30.9869;-29.8647	96 m
Pinetown	South Africa		30.8500;-29.8167	
Queensburgh	South Africa		30.9000;-29.8500	
Reservoir Hills	South Africa		30.9422;-29.8069	155 m
Rossburgh	South Africa		30.9797;-29.9058	28 m
Sarnia	South Africa		30.8667;-29.8333	
Sarnia road, 28	South Africa		30.9831;-29.8892	28 m
Sea View (see also: Seaview)	South Africa		30.9633;-29.8906	
Seaview (see Sea View)	South Africa		30.9633;-29.8906	
Shongweni Polo Club	South Africa		30.7500;-29.7803	601 m
Silverglen Nature Reserve	South Africa		30.8764;-29.9328	120 m
Stainbank Nature Reserve, Durban, Yellowwood Park	South Africa		30.9333;-29.9000	

Umbilo	South Africa		30.9844;-29.8892	
University Campus, Chemistry Dept.	South Africa		30.9778;-29.8674	108 m
University of Durban	South Africa		30.9453;-29.8173	189 m
University of KwaZulu Natal, Cato Manor	South Africa		30.9692;-29.8631	143 m
University of Natal	South Africa		30.9778;-29.8674	
Waterfall	South Africa		30.8333;-29.7500	
Wentworth	South Africa		30.9975;-29.9222	0 m
West Riding (see Westriding)	South Africa		30.7667;-29.7833	
Westmead	South Africa		30.8319;-29.8233	335 m
Westridge	South Africa		30.9789;-29.8569	141 m
Westriding (see also: West Riding)	South Africa		30.7667;-29.7833	
Westville	South Africa		30.9333;-29.8333	
Yellow Wood Park (see also: Yellowwood Park)	South Africa	ca.	30.9383;-29.9158	118 m
Yellowwood Park (see Yellow Wood Park)	South Africa	ca.	30.9167;-29.9000	118 m

SE 29031Ab:

Harold Johnson Nature Reserve, 8.5 km S Mandini (see also: Mandini, 8.5 km S)	South Africa		31.4267;-29.2000	
Mandeni (see Mandini)	South Africa		31.4000;-29.1333	
Mandini (see also: Mandeni, Mandini Station, Umzumgwenya Nature Reserve)	South Africa		31.4000;-29.1333	
Mandini Station (see Mandini)	South Africa		31.4000;-29.1333	
Mandini, 8.5 km S (see Harold Johnson Nature Reserve)	South Africa		31.4267;-29.2000	
Umzumgwenya Nature Reserve (see Mandini)	South Africa		31.4000;-29.1333	

SE 29031Ad:

Blythedale Beach, Minivillas, KwaDukuza	South Africa		31.3492;-29.3731	75 m

SE 29031Ca:

Ballito (see also: Ballito-Westbrook)	South Africa		31.2167;-29.5333	
Ballito-Westbrook (see Ballito) (see also: Dakahlia governorate |PC:DQ|)	South Africa		31.2167;-29.5333	
Hazelmere Dam	South Africa		31.0333;-29.5833	
Hazelmere Dam Nature Reserve, Durban, Verulam	South Africa		31.0414;-29.6008	
La Lucia	South Africa		31.0597;-29.7492	
Mount Edgecombe, Sasex	South Africa		31.0333;-29.7000	
Mount Moreland, 12 Williams Road	South Africa		31.0936;-29.6425	34 m
Phoenix, N of Durban	South Africa		31.0036;-29.7039	
SASEX (see Sugar Research Association Estate)	South Africa		31.0333;-29.7000	
Sugar Research Association Estate, Mount Edgcombe (see also: SASEX)	South Africa		31.0333;-29.7000	
Tongaat (see also: Tongaat Village, Victoria)	South Africa		31.1167;-29.5722	0 m
Tongaat Village (see Tongaat)	South Africa		31.1167;-29.5722	0 m
Umdloti	South Africa		31.1156;-29.6725	33 m
Umhalanga (see Umhlanga Reserve)	South Africa		31.0833;-29.7167	11 m
Umhlanga Reserve, Umhlanga Rocks (see also: Umhalanga, Umhlanga Rocks)	South Africa		31.0833;-29.7167	11 m
Umhlanga Rocks (see Umhlanga Reserve), 2 Tibia Crescent	South Africa		31.0833;-29.7167	11 m
Umhlanga, 2.5 km NE (see Westbrook)	South Africa		31.1667;-29.6000	
Veralum	South Africa		31.0392;-29.6522	
Verulam	South Africa		31.0200;-29.6717	
Victoria (see Tongaat)	South Africa		31.1167;-29.5722	0 m
Westbrook, 81 Acacia; 2.5 ? Km NE Umhlanga (see also: Umhlanga, 2.5 km NE)	South Africa		31.1667;-29.6000	
Zwolls Estate	South Africa		31.0519;-29.6239	

SE 29031Cc:

Addington, Durban	South Africa		31.0342;-29.8433	0 m
Berea	South Africa		31.0000;-29.8500	
Bluff	South Africa		31.0133;-29.9317	
Briardene	South Africa		31.0156;-29.7981	35 m
Brighton Beach	South Africa		31.0000;-29.9333	
Burman Bush Nature Reserve	South Africa		31.0158;-29.8161	
Durban (see also: Durban CBD, Port Natal)	South Africa		31.0167;-29.8500	

Durban CBD (see Durban)	South Africa		31.0167;-29.8500	
Durban North, 8 Portland Crescent	South Africa		31.0333;-29.8000	
Durban North area (presumably)	South Africa		31.0333;-29.8000	
Durban, near (see also: Port Natal, near)	South Africa	ca.	31.0000;-29.8667	
Durban, probably	South Africa		31.0000;-29.8333	
Fynnlands	South Africa		31.0267;-29.8961	
Glen Anil	South Africa		31.0369;-29.7519	
Glenashley	South Africa		31.0511;-29.7608	103 m
Glenhills	South Africa		31.0333;-29.7833	
Glenwood	South Africa		31.0000;-29.8333	
Greenwood Park	South Africa		31.0167;-29.7833	
Greyville	South Africa		31.0156;-29.8414	
Kensington	South Africa		31.0422;-29.7792	
Kingspark	South Africa		31.0306;-29.8253	
Lake Seacow (see Seacow Lake), Durban	South Africa		31.0000;-29.8667	
Marine Parade	South Africa		31.0386;-29.8539	
Morningside	South Africa		31.0000;-29.8333	
Musgrave	South Africa		31.0075;-29.8350	
North Beach	South Africa		31.0358;-29.8475	5 m
Northern Sewage Works (see Seacow Lake), Durban, Seacow Lake	South Africa		31.0000;-29.8667	
Pigeon Valley (see Pigeon Valley Park), Durban	South Africa		31.0000;-29.8667	96 m
Port Natal (see Durban)	South Africa		31.0167;-29.8500	
Port Natal, near (see Durban, near)	South Africa	ca.	31.0000;-29.8667	
Red Hill	South Africa		31.0275;-29.7761	252 m
Seacow Lake, Durban (see also: Lake Seacow, Northern Sewage Works)	South Africa		31.0000;-29.8667	
Shepstone Nature Reserve, Durban	South Africa		31.0000;-29.8500	
Umgeni Heights	South Africa		31.0250;-29.8081	29 m
Umhlatusi River	South Africa		31.0000;-29.8500	
Windermere	South Africa		31.0192;-29.8306	

SE 30017Aa:

Farm 472 (Schulp Fontein), 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	South Africa	17.1917;-30.0833	
Farm 472 (Schulpfontien), 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	South Africa	17.1917;-30.0833	
Farm Schulp Fontein 472, 16 km NW, Namaqualand (see also: Farm 472 (Schulp Fontein), 16 km NW, Farm 472 (Schulpfontien), 16 km NW, Farm Schulpfontien 472, 16 km NW, Schulp Fontein, Farm 472, 16 km NW, Schulpfontien, Farm 472, 16 km NW)	South Africa	17.1917;-30.0833	
Farm Schulpfontien 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	South Africa	17.1917;-30.0833	
Schulp Fontein, Farm 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	South Africa	17.1917;-30.0833	
Schulpfontien, Farm 472, 16 km NW (see Farm Schulp Fontein 472, 16 km NW), Namaqualand	South Africa	17.1917;-30.0833	

SE 30017Db:

Garies, Klein Namaqualand	South Africa	17.9833;-30.5500	334 m

SE 30018Ad:

Ezelfontein	South Africa	18.2833;-30.4500	1150 m
Kap Kap Farm	South Africa	18.4333;-30.2500	975 m
Orrelgat cave, 6.6 km N, 5.8 km W Platbakkies (see also: Platbakkies, 6.6 km N, 5.8 km W, Witwater, 25 mi [=40 km] E)	South Africa	18.4333;-30.2500	975 m
Platbakkies, 6.6 km N, 5.8 km W (see Orrelgat cave)	South Africa	18.4333;-30.2500	975 m
Witwater, 25 mi [=40 km] E (see Orrelgat cave)	South Africa	18.4333;-30.2500	975 m

SE 30018Cc:

Bitterfontein, 10 km NNE (see Farm Kersbos)	South Africa	18.2000;-30.9500	
Farm Kersbos, 10 km NNE Bitterfontein (see also: Bitterfontein, 10 km NNE, Kersbos, Farm)	South Africa	18.2000;-30.9500	
Kersbos, Farm (see Farm Kersbos), 10 km NNE Bitterfontein	South Africa	18.2000;-30.9500	

SE 30018Dc:

Steenkampskraal Mine, 7 km SSE Van Rhynsdorp	South Africa	18.6292;-30.9861	

SE 30021Bd:

The Van Wyks Vlei Settlement Plan (see also: Van Wyksvlei, Van Wyksvlei Settlements)	South Africa	21.8333;-30.3000	958 m
Van Wyksvlei (see The Van Wyks Vlei Settlement Plan)	South Africa	21.8333;-30.3000	958 m
Van Wyksvlei Settlements (see The Van Wyks Vlei Settlement Plan)	South Africa	21.8333;-30.3000	958 m

SE 30022Db:

Ottershoop	South Africa	22.8500;-30.5000	

SE 30023Aa:

Farm Omdraaivlei, Briststown	South Africa	23.1333;-30.0833	
Omdraaivlei Farm, Briststown	South Africa	23.1333;-30.0833	

SE 30023Db:

De Aar, 8.7 km S, 8.5 km W (see Farm Swartkoppies)	South Africa	23.9225;-30.7292	1234 m
Farm Swartkoppies, 8.7 km S, 8.5 km W De Aar (see also: De Aar, 8.7 km S, 8.5 km W, Swartkoppies, Farm)	South Africa	23.9225;-30.7292	1234 m
Swartkoppies, Farm (see Farm Swartkoppies)	South Africa	23.9225;-30.7292	1234 m

SE 30023Dd:

Deelfontein, Farm (see Farm Deelfontein)	South Africa	23.7667;-30.9667	4460 ft

SE 30024Ba:

Farm Orange Grove, 2.2 km N, 0.9 km E Petrusville (see also: Orange Grove, Farm, Petrusville, 2.2 km N, 0.9 km E)	South Africa	24.6683;-30.0622	1173 m
Orange Grove, Farm (see Farm Orange Grove)	South Africa	24.6683;-30.0622	1173 m
Petrusville	South Africa	24.6583;-30.0817	1189 m
Petrusville, 2.2 km N, 0.9 km E (see Farm Orange Grove)	South Africa	24.6683;-30.0622	1173 m

SE 30024Bb:

Farm 320 (Lemoenboord) (see Farm Lemoenboord 320), Philippolis	South Africa	24.8750;-30.1250	
Farm Kleintuinfontein, 10.8 km S, 10.7 km E Petrusville (see also: Kleintuinfontein, Farm, Petrusville, 10.8 km S, 10.7 km E)	South Africa	24.7703;-30.1783	3900 ft
Farm Lemoenboord 320, Philippolis (see also: Farm 320 (Lemoenboord), Lemoenboord, Farm 320)	South Africa	24.8750;-30.1250	
Kleintuinfontein, Farm (see Farm Kleintuinfontein)	South Africa	24.7703;-30.1783	3900 ft
Le Roux Dam (see P.K. Le Roux Dam)	South Africa	24.7500;-30.0833	1150 m
Lemoenboord, Farm 320 (see Farm Lemoenboord 320), Philippolis	South Africa	24.8750;-30.1250	
P.K. Le Roux Dam, Petrusville, 8.0 km E (see also: Le Roux Dam, Petrusville, 8.0 km E)	South Africa	24.7500;-30.0833	1150 m
Petrusville, 10.8 km S, 10.7 km E (see Farm Kleintuinfontein)	South Africa	24.7703;-30.1783	3900 ft
Petrusville, 2.5 km N, 8.5 km E (see Rolfontein Nature Reserve)	South Africa	24.7500;-30.0667	1175 m
Petrusville, 8.0 km E (see P.K. Le Roux Dam)	South Africa	24.7500;-30.0833	1150 m
Rolfontein Nature Reserve, 2.5 km N, 8.5 km E Petrusville (see also: Petrusville, 2.5 km N, 8.5 km E)	South Africa	24.7500;-30.0667	1175 m

SE 30024Ca:

De Aar,13.4 km N, 6.4 km E	South Africa	24.0775;-30.5289	1280 m

SE 30025Bb:

Trompburg town (see Trompsburg)	South Africa	25.7833;-30.0333	1431 m
Trompsburg (see also: Trompburg town, Trompsburg town)	South Africa	25.7833;-30.0333	1431 m
Trompsburg town (see Trompsburg)	South Africa	25.7833;-30.0333	1431 m

SE 30025Ac:

Farm Kareepoort, Philippolis (see also: Kareepoort, Farm)	South Africa	25.0667;-30.2500	
Kareepoort, Farm (see Farm Kareepoort), Philippolis	South Africa	25.0667;-30.2500	

SE 30025Ad:

Philippolis	South Africa	25.2833;-30.2667	1443 m

SE 30025Cb:

Allemans Drift, Farm (see Farm Allemans Drift), Philippolis	South Africa	25.3333;-30.5333	
Allemansdrift, Farm (see Farm Allemans Drift), Philippolis	South Africa	25.3333;-30.5333	
Farm Allemans Drift, Philippolis (see also: Allemans Drift, Farm, Allemansdrift, Farm, Farm Allemansdrift)	South Africa	25.3333;-30.5333	
Farm Allemansdrift (see Farm Allemans Drift), Philippolis	South Africa	25.3333;-30.5333	
Norvalspont	South Africa	25.4500;-30.6333	1296 m
Stockenstroms Kop (see Stokenstroms Kop)	South Africa	25.4000;-30.6000	1307 m
Stokenstrom (see Stokenstroms Kop)	South Africa	25.4000;-30.6000	1307 m
Stokenstroms Kop (see also: Stockenstroms Kop, Stokenstrom)	South Africa	25.4000;-30.6000	1307 m

SE 30025Db:

Bethulie, Eendrag, Subdivision 2 of Damfontein [518]	South Africa	25.9667;-30.5000	1295 m

SE 30026Ba:

Farm 506 (La Rochelle) (see Smithfield), Smithfield	South Africa	26.5333;-30.2167	
Farm La Rochelle 506 (see Smithfield), Smithfield	South Africa	26.5333;-30.2167	
La Rochelle, Farm 506 (see Smithfield), Smithfield	South Africa	26.5333;-30.2167	
Smithfield (see also: Farm 506 (La Rochelle), Farm La Rochelle 506, La Rochelle, Farm 506)	South Africa	26.5333;-30.2167	

SE 30026Da:

Aliwal North, Roodewal (see also: Aliwal-Noord)	South Africa	26.7000;-30.7000	1360 m
Aliwal-Noord (see Aliwal North), Roodewal	South Africa	26.7000;-30.7000	1360 m

SE 30026Cd:

Burgersdorf (see Burgersdorp)	South Africa	26.3167;-30.9833	1450 m
Burgersdorp (see also: Burgersdorf, Burghersdorp)	South Africa	26.3167;-30.9833	1450 m
Burghersdorp (see Burgersdorp)	South Africa	26.3167;-30.9833	1450 m

SE 30027Ac:

Butata, Farm 210 (see Zastron), Zastron	South Africa	27.0833;-30.3000	1672 m
Elandsberg, Farm 198 (see Zastron), Zastron	South Africa	27.0833;-30.3000	1672 m
Farm 198 (Elandsberg) (see Zastron), Zastron	South Africa	27.0833;-30.3000	1672 m
Farm 210 (Butata) (see Zastron), Zastron	South Africa	27.0833;-30.3000	1672 m
Farm 392 (Kranskop) (see Zastron), Zastron	South Africa	27.0833;-30.3000	1672 m
Farm Butata 210 (see Zastron), Zastron	South Africa	27.0833;-30.3000	1672 m
Farm Elandsberg 198 (see Zastron), Zastron	South Africa	27.0833;-30.3000	1672 m
Farm Kranskop 392 (see Zastron), Zastron	South Africa	27.0833;-30.3000	1672 m
Kranskop, Farm 392 (see Zastron), Zastron	South Africa	27.0833;-30.3000	1672 m

Zastron (see also: Butata, Farm 210, Elandsberg, Farm 198, Farm 198 (Elandsberg), Farm 210 (Butata), Farm 392 (Kranskop), Farm Butata 210, Farm Elandsberg 198, Farm Kranskop 392, Kranskop, Farm 392, Zastron Commons)	South Africa	27.0833;-30.3000	1672 m
Zastron Commonage (see Zastron Commons)	South Africa	27.0833;-30.3000	1672 m
Zastron Commons (see Zastron) (see also: Zastron Commonage)	South Africa	27.0833;-30.3000	1672 m

SE 30027Bd:

Fort Hartley, 10 mi [=16 km] NE (see Quthing, 10 mi [=16 km] NE)	Lesotho	27.7500;-30.3333	
Masiribani (see Mount Moorosi (city))	Lesotho	27.8667;-30.2667	1651 m
Mooroi (see Mount Moorosi (city))	Lesotho	27.8667;-30.2667	1651 m
Mount Moorosi (city) (see also: Masiribani, Mooroi, Mount Moroosi (city), Mount Morosi (city))	Lesotho	27.8667;-30.2667	1651 m
Mount Moroosi (city) (see Mount Moorosi (city))	Lesotho	27.8667;-30.2667	1651 m
Mount Morosi (city) (see Mount Moorosi (city))	Lesotho	27.8667;-30.2667	1651 m
Moyeni, 10 mi [=16 km] NE (see Quthing, 10 mi [=16 km] NE)	Lesotho	27.7500;-30.3333	
Quthing, 10 mi [=16 km] NE (see also: Fort Hartley, 10 mi [=16 km] NE, Moyeni, 10 mi [=16 km] NE)	Lesotho	27.7500;-30.3333	

SE 30027Ca:

Fort Hoek Trading store, Herschel	South Africa	27.1667;-30.6167	1584 m
Lady Grey, Klipkraal	South Africa	27.2333;-30.7000	2091 m

SE 30027Dc:

Barkley East (see Barkly East)	South Africa	27.6000;-30.9667	1789 m
Barkly East, Drumbo (see also: Barkley East, Barkly-Oos)	South Africa	27.6000;-30.9667	1789 m
Barkly-Oos (see Barkly East)	South Africa	27.6000;-30.9667	1789 m

SE 30027Dd:

Rhodes, village	South Africa	27.9678;-30.7964	1829 m

SE 30028Ab:

Seapa (see White Hill)	Lesotho	28.4833;-30.0500	1641 m
White Hill (see also: Seapa)	Lesotho	28.4833;-30.0500	1641 m

SE 30028Ad:

Gladstone	South Africa	28.4167;-30.2833	1425 m

SE 30028Cc:

Maclear, Milton	South Africa	28.2333;-30.9667	

SE 30029Ac:

Ntsizwe mine	South Africa	29.1658;-30.4822	1512 m

SE 30029Bc:

Glengarry Park, 26 km W Rosetta, near Kamberg (see also: Rosetta, 26 km W)	South Africa	29.6000;-30.2500	
Rosetta, 26 km W (see Glengarry Park)	South Africa	29.6000;-30.2500	

SE 30029Ca:

Ngqeleni District, W Pondoland	South Africa	29.0333;-30.6667	

SE 30029Cb:

Mount Currie Nature Reserve	South Africa		29.3947;-30.5036	

SE 30029Cd:

Ayliff, mount, 0.3 km N, 8.9 km W (see Insizwe Mine)	South Africa		29.2833;-30.8000	1140 m
Insizwe Mine, 0.3 km N, 8.9 km W Mount Ayliff (see also: Ayliff, mount, 0.3 km N, 8.9 km W, Mount Ayliff, 0.3 km N, 8.9 km W)	South Africa		29.2811;-30.8036	1140 m
Kokstad mine	South Africa		29.2800;-30.8100	
Mount Ayliff, 0.3 km N, 8.9 km W (see Insizwe Mine)	South Africa		29.2833;-30.8000	1140 m

SE 30029Dc:

Emfundisweni (see Mfundisweni)	South Africa		29.5333;-30.9000	900 m
Emfundusweni (see Mfundisweni)	South Africa		29.5333;-30.9000	900 m
Mfundisweni (see also: Emfundisweni, Emfundusweni)	South Africa		29.5333;-30.9000	900 m

SE 30029Dd:

Bizana, near Harding	South Africa		29.8500;-30.8667	800 m

SE 30030Aa:

Umtamvuna Gorge Nature Reserve	South Africa		30.1703;-30.1742	119 m

SE 30030Ab:

Unnamed locality (Ugu district)	South Africa		30.3167;-30.2000	

SE 30030Ba:

Roseneath	South Africa		30.7436;-30.1850	

SE 30030Bb:

Adams College, 22 mi [=35 km] NE Durban (see also: Adams M.S., Adams Mission, Adams Mission Station, Durban, 22 mi [=35 km] NE)	South Africa		30.8167;-30.0333	156 m
Adams M.S. (see Adams College), 22 mi [=35 km] NE Durban	South Africa		30.8167;-30.0333	156 m
Adams Mission (see Adams College), 22 mi [=35 km] NE Durban	South Africa		30.8167;-30.0333	156 m
Adams Mission Station (see Adams College), 22 mi [=35 km] NE Durban	South Africa		30.8167;-30.0333	156 m
Amanzimtoti	South Africa		30.8800;-30.0500	
Athlone Park	South Africa		30.9233;-30.0150	
Clansthal	South Africa		30.7667;-30.2333	
Doon Heights	South Africa		30.8667;-30.0667	56 m
Doonside	South Africa		30.8833;-30.0667	24 m
Durban, 22 mi [=35 km] NE (see Adams College)	South Africa		30.8167;-30.0333	156 m
Durban, 50 km S	South Africa		30.8000;-30.2167	
Empisini Nature Reserve, 1.5 km NWW Umkomaas (see also: Umkomaas, 1.5 km NWW)	South Africa		30.8000;-30.2000	19 m
Greenpoint Lighthouse	South Africa		30.7772;-30.2492	
Illovo (see also: Illovo South)	South Africa		30.8311;-30.0950	48 m
Illovo South (see Illovo)	South Africa		30.8311;-30.0950	48 m
Kingsborough (see also: Kingsburgh)	South Africa		30.8667;-30.0833	0 m
Kingsburgh (see Kingsborough)	South Africa		30.8667;-30.0833	
KwaMakuta Township	South Africa		30.8833;-30.0500	
Saint Winifred's Beach	South Africa		30.8539;-30.0883	72 m
Umbogontwini Nature Reserve	South Africa		30.8833;-30.0500	
Umgababa	South Africa		30.8333;-30.1456	
Umkomaas	South Africa		30.8000;-30.2000	36 m
Umkomaas, 1.5 km NWW (see Empisini Nature Reserve)	South Africa		30.8000;-30.2000	
Warmer Beach, Kingsway	South Africa		30.8664;-30.0850	
Warner Beach	South Africa		30.8667;-30.0833	
Warner Beach area	South Africa	ca.	30.8667;-30.0833	
Winkelspruit	South Africa		30.8525;-30.1042	

SE 30030Ad:

Dumisa gold mine, 1 km E Dumisa railway station (see also: Dumisa Mine, Dumisa railway station, 1 km E, Umzinto, 5 km N, 22 km W)	South Africa		30.4414;-30.2681	685 m
Dumisa Mine (see Dumisa gold mine), 5 km N, 22 km W Umzinto	South Africa		30.4414;-30.2681	685 m
Dumisa railway station, 1 km E (see Dumisa gold mine), Ixopo	South Africa		30.4414;-30.2681	685 m
Umzinto, 5 km N, 22 km W (see Dumisa gold mine)	South Africa		30.4414;-30.2681	685 m

SE 30030Bc:

Bazely village (see Bazley Beach)	South Africa		30.6694;-30.4328	
Bazley Beach (see also: Bazely village)	South Africa		30.6694;-30.4328	
Beneva Tunnel (see Esperanza Tunnel), Suzela	South Africa		30.6315;-30.3440	
Ellingham	South Africa		30.7000;-30.3167	
Esperanza Tunnel, Suzela (see also: Beneva Tunnel)	South Africa		30.6314;-30.3439	10 m
Happy Thoughts Gold Mine	South Africa		30.6000;-30.2833	
Ocean View Farm	South Africa		30.7311;-30.3389	
Park Rynie (see also: Renie Park, Rynie Park)	South Africa	ca.	30.7333;-30.3167	
Pennington [railroad siding], 48 km NE Port Shepstone (see also: Port Shepstone, 48 km NE, Shepstone, 48 km NE)	South Africa		30.7000;-30.3833	
Port Shepstone, 48 km NE (see Pennington [railroad siding])	South Africa		30.7000;-30.3833	
Renie Park (see Park Rynie), near Mkomazi river	South Africa	ca.	30.7333;-30.3167	
Rynie Park (see Park Rynie), near Mkomazi river	South Africa	ca.	30.7333;-30.3167	
Scottburgh, 14 km SSW (see Umdoni Park)	South Africa		30.6833;-30.4000	50 m
Sezela, 3 Msinzi Avenue	South Africa		30.6833;-30.4167	
Sezela Tunnel	South Africa		30.5833;-30.4167	
Shepstone, 48 km NE (see Pennington [railroad siding])	South Africa		30.7000;-30.3833	
Umdoni Caravan Park (see Umdoni Park), 14 km SSW Scottburgh, Pennington (see also: Umzinto, 9 km S, 2 km E)	South Africa		30.6833;-30.4000	50 m
Umdoni Park, 14 km SSW Scottburgh, Pennington (see also: Scottburgh, 14 km SSW, Umdoni Caravan Park)	South Africa		30.6833;-30.4000	50 m
Umdoni, near	South Africa		30.6725;-30.3769	
Umzinto, 9 km S, 2 km E (see Umdoni Caravan Park)	South Africa		30.6833;-30.4000	50 m

SE 30030Bd:

Renishaw [railroad siding]	South Africa		30.7500;-30.2667	
Scottburg (see Scottburgh)	South Africa		30.7500;-30.2833	
Scottburgh (see also: Scottburg, Scottsburgh, Scottsburgh Golf Course)	South Africa		30.7500;-30.2833	
Scottburgh area, South Coast	South Africa	ca.	30.7500;-30.2833	
Scottsburgh (see Scottburgh)	South Africa		30.7500;-30.2833	
Scottsburgh Golf Course (see Scottburgh)	South Africa		30.7500;-30.2833	

SE 30030Ca:

Oribi Gorge Ranch (see Oribi Gorge Nature Reserve), near Port Shepstone	South Africa		30.2300;-30.7000	
Oribi-Lind Valley Game Ranch (see Oribi Gorge Nature Reserve), Port Shepstone	South Africa		30.2300;-30.7000	

SE 30030Cb:

Hutted camp, Port Shepstone	South Africa		30.2667;-30.7167	
Oribi Gorge Nature Reserve, Port Shepstone (see also: Oribi Gorge Ranch, Oribi-Lind Valley Game Ranch)	South Africa		30.2667;-30.7167	
Port Shepstone	South Africa		30.4550;-30.7414	0 m
Port Shepstone, 16 mi [=26 km] NE (see Umzumbi Mission)	South Africa	ca.	30.4333;-30.5667	

Umtentweni (see also: Umtentweni Railroad Station, Umtentwini)	South Africa		30.4647;-30.7161	39 m
Umtentweni Railroad Station (see Umtentweni)	South Africa		30.4647;-30.7161	39 m
Umtentwini (see Umtentweni)	South Africa		30.4647;-30.7161	39 m
Umzumbe M.S. (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	South Africa	ca.	30.4333;-30.5667	
Umzumbe Mission (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	South Africa	ca.	30.4333;-30.5667	
Umzumbe Mission Station (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	South Africa	ca.	30.4333;-30.5667	
Umzumbi M.S. (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	South Africa	ca.	30.4333;-30.5667	
Umzumbi Mission, 16 mi [=26 km] NE Port Shepstone (see also: Port Shepstone, 16 mi [=26 km] NE, Umzumbe M.S., Umzumbe Mission, Umzumbe Mission Station, Umzumbi M.S., Umzumbi Mission Station)	South Africa	ca.	30.4333;-30.5667	
Umzumbi Mission Station (see Umzumbi Mission), 16 mi [=26 km] NE Port Shepstone	South Africa	ca.	30.4333;-30.5667	
Vernon Crookes Nature Reserve (see also: Vernon Crooks Nature Reserve)	South Africa		30.2600;-30.6000	
Vernon Crooks Nature Reserve (see Vernon Crookes Nature Reserve)	South Africa		30.2600;-30.6000	

SE 30030Cd:

Evongo (see Uvongo Beach)	South Africa		30.4000;-30.8333	0 m
Margate, near, Voortukkers strand, Durban	South Africa		30.3670;-30.8500	
Rhenlagen, Uvong	South Africa	ca.	30.3839;-30.8322	
Uvongo (see Uvongo Beach)	South Africa		30.4000;-30.8333	0 m
Uvongo Beach, in Eucalyptus plantation (see also: Evongo, Uvongo, Uvongostrand)	South Africa		30.4000;-30.8333	0 m
Uvongostrand (see Uvongo Beach)	South Africa		30.4000;-30.8333	0 m

SE 31018Aa:

Paddagat	South Africa		18.1833;-31.1333	240 m

SE 31018Cc:

Hollebaks Strandfontein, 10.2 km S, 26.3 km W Vredendal (see also: Vredendal, 10.2 km S, 26.3 km W)	South Africa		18.2311;-31.7550	50 m
State Land, 10.7 km S, 26.9 km W Vredendal (see also: Vredendal, 10.7 km S, 26.9 km W)	South Africa		18.2311;-31.7550	6 m
Vredendal, 10.2 km S, 26.3 km W (see Hollebaks Strandfontein)	South Africa		18.2311;-31.7550	50 m
Vredendal, 10.7 km S, 26.9 km W (see State Land)	South Africa		18.2311;-31.7550	6 m

SE 31018Dc:

Klarer (see Klawer), Van Rhynsdorp	South Africa		18.6767;-31.7831	65 m
Klaver (see Klawer), Van Rhynsdorp	South Africa		18.6767;-31.7831	65 m
Klawer, Van Rhynsdorp (see also: Klarer, Klaver)	South Africa		18.6767;-31.7831	65 m

SE 31019Da:

Calvinia, 6 mi [=9.6 km] E (see Farm Onder-Downes)	South Africa		19.5183;-31.5183	
Farm Onder Downs (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	South Africa		19.5183;-31.5183	
Farm Onder-Downes, 6 mi [=9.6 km] E Calvinia (see also: Calvinia, 6 mi [=9.6 km] E, Farm Onder Downs, Farm Onderdownes Wes, Onder Downs, Farm, Onderdownes Wes, Farm, Onder-Downes, Farm)	South Africa		19.5183;-31.5183	
Farm Onderdownes Wes (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	South Africa		19.5183;-31.5183	
Onder Downs, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	South Africa		19.5183;-31.5183	
Onderdownes Wes, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	South Africa		19.5183;-31.5183	

Onder-Downes, Farm (see Farm Onder-Downes), 6 mi [=9.6 km] E Calvinia	South Africa	19.5183;-31.5183	

SE 31020Da:

Farm Visagierus, Williston, SW (see also: Farm Gouna, Gouna, Farm, Visagiesrus, Farm)	South Africa	20.5000;-31.5167	3600 ft
Gouna, Farm (see Farm Visagierus), Williston, SW	South Africa	20.5000;-31.5167	3600 ft
Visagiesrus, Farm (see Farm Visagierus), Williston, SW	South Africa	20.5000;-31.5167	3600 ft

SE 31021Ba:

Carnarvon, 62 km W (see Farm Goraas FrQ 2.9)	South Africa	21.5333;-31.1833	
Farm FrQ 2.9 (Goraas) (see Farm Goraas FrQ 2.9), 62 km W Carnarvon	South Africa	21.5333;-31.1833	
Farm Goraas FrQ 2.9, 62 km W Carnarvon (see also: Carnarvon, 62 km W, Farm FrQ 2.9 (Goraas), Goraas, Farm FrQ 2.9)	South Africa	21.5333;-31.1833	
Goraas, Farm FrQ 2.9 (see Farm Goraas FrQ 2.9), 62 km W Carnarvon	South Africa	21.5333;-31.1833	

SE 31021Bc:

Rielpoort	South Africa	21.5900;-31.2800	

SE 31023Bb:

Farm Deelfontein (see also: Deelfontein, Farm)	South Africa	23.7667;-31.0333	4460 ft

SE 31023Ac:

Victoria West (see also: Victoria-Wes)	South Africa	23.1194;-31.4017	1372 m
Victoria-Wes (see Victoria West)	South Africa	23.1194;-31.4017	1372 m

SE 31023Cc:

Three Sisters	South Africa	23.0833;-31.9000	1200 m

SE 31023Dc:

Eloffshoek, Farm (see Farm Eloffshoek)	South Africa	23.6144;-31.8950	1100 m
Farm Eloffshoek, 7.5 km N, 14.1 km W Murraysburg (see also: Eloffshoek, Farm, Murraysburg, 7.5 km N, 14.1 km W)	South Africa	23.6144;-31.8950	1100 m
Murraysburg, 16.0 km N, 17.2 km W	South Africa	23.5794;-31.7833	1140 m
Murraysburg, 7.5 km N, 14.1 km W (see Farm Eloffshoek)	South Africa	23.6144;-31.8950	1100 m
Murraysburg, NW of	South Africa	23.6167;-31.8667	

SE 31024Ab:

Hanover, Uilfontein	South Africa	24.4500;-31.0667	1387 m

SE 31024Da:

Farm Lessingshoogte, 15 mi [=24 km] W Middelburg	South Africa	24.7333;-31.5667	
Lessingshoogte, Farm (see Lessingshoogte, Farm), 15 mi [=24 km] W Middelburg (see also: Lessingshoogte, Farm, Middelburg, 15 mi [=24 km] W)	South Africa	24.7333;-31.5667	
Middelburg, 15 mi [=24 km] W (see Lessingshoogte, Farm)	South Africa	24.7333;-31.5667	

SE 31024Dd:

Coloniesplaats (see Koloniesplaas), 28 mi [=45 km] N Graaff-Reinet	South Africa	24.7995;-31.9929	
Graaff-Reinet, 28 mi [=45 km] N (see Koloniesplaas)	South Africa	24.7995;-31.9929	
Koloniesplaas, 28 mi [=45 km] N Graaff-Reinet (see also: Coloniesplaats, Graaff-Reinet, 28 mi [=45 km] N)	South Africa	24.7995;-31.9929	

SE 31025Bc:

Farm 81 (Leeuwenfontein) (see Farm Leeuwenfontein 81)	South Africa	25.5736;-31.2558	1510 m
Farm Leeuwenfontein 81, Steynsburg, 4.4 km N, 24.0 km W (see also: Farm 81 (Leeuwenfontein), Leeuwenfontein, Farm 81, Steynsburg, 4.4 km N, 24.0 km W)	South Africa	25.5736;-31.2558	1510 m
Leeuwenfontein, Farm 81 (see Farm Leeuwenfontein 81)	South Africa	25.5736;-31.2558	1510 m
Steynsburg, 4.4 km N, 24.0 km W (see Farm Leeuwenfontein 81)	South Africa	25.5736;-31.2558	1510 m

SE 31026Bb:

Farm 184 (Olyvekloof) (see Farm Olyvekloof 184)	South Africa	26.8667;-31.1167	
Farm Olyvekloof 184 (see also: Farm 184 (Olyvekloof), Olyvekloof, Farm 184)	South Africa	26.8667;-31.1167	
Gloria	South Africa	26.8667;-31.1167	
Jamestown, Gloria, Subdivision of Farm Olyvekloof 184	South Africa	26.8000;-31.1167	1623 m
Olyvekloof, Farm 184 (see Farm Olyvekloof 184)	South Africa	26.8667;-31.1167	

SE 31026Ad:

Molteno	South Africa	26.3625;-31.3964	1580 m

SE 31026Bc:

Farm Freredell, .7 km N, 30.5 km E Molteno (see also: Freredell, Farm, Molteno, 7.7 km N, 30.5 km E)	South Africa	26.6828;-31.3267	1870 m
Freredell, Farm (see Farm Freredell)	South Africa	26.6828;-31.3267	1870 m
Molteno, 7.7 km N, 30.5 km E (see Farm Freredell)	South Africa	26.6828;-31.3267	1870 m

SE 31026Da:

Sterkstroom, Carnarvon, subdivision of Grootvlei	South Africa	26.5500;-31.5667	1322 m

SE 31026Cd:

De Hoek, Cradock District	South Africa	26.2833;-31.8333	1478 m

SE 31027Ab:

Barkly East, 12.3 km S, 14.1 km W (see Farm Clifford 287)	South Africa	27.4494;-31.0781	1780 m
Barkly East, 7.9 km S, 23.4 km W (see Farm Buckholt 228)	South Africa	27.3522;-31.0375	1680 m
Buckholt, Farm 228 (see Farm Buckholt 228)	South Africa	27.3522;-31.0375	1680 m
Clifford, Farm 287 (see Farm Clifford 287)	South Africa	27.4494;-31.0781	1780 m
Farm 228 (Buckholt) (see Farm Buckholt 228)	South Africa	27.3522;-31.0375	1680 m
Farm 287 (Clifford) (see Farm Clifford 287)	South Africa	27.4494;-31.0781	1780 m
Farm Buckholt 228, 7.9 km S, 23.4 km W Barkly East (see also: Barkly East, 7.9 km S, 23.4 km W, Buckholt, Farm 228, Farm 228 (Buckholt))	South Africa	27.3522;-31.0375	1680 m
Farm Clifford 287, 12.3 km S, 14.1 km W Barkly East (see also: Barkly East, 12.3 km S, 14.1 km W, Clifford, Farm 287, Farm 287 (Clifford))	South Africa	27.4494;-31.0781	1780 m

SE 31027Ac:

Dordrecht, Mariba, subdivision of Joubertskop	South Africa	27.0500;-31.3667	1723 m

SE 31027Bd:

Elliot, Ben Becula	South Africa	27.8500;-31.3333	1430 m

SE 31027Db:

Engcobo	South Africa	27.9833;-31.6667	900 m

SE 31028Ba:

Somerville (mission)	South Africa	28.6500;-31.2000	1000 m

SE 31028Db:

Fort Gale Suburb, 0.5 km S, 2.5 km W Umtata (see also: Umtata, 0.5 km S, 2.5 km W)	South Africa	28.7594;-31.5928	770 m
Umtata City	South Africa	28.7861;-31.5883	685 m
Umtata, 0.5 km S, 2.5 km W (see Fort Gale Suburb)	South Africa	28.7594;-31.5928	770 m
Umtata, 1.8 km S, 3.0 km W (see University of Transkei Campus)	South Africa	28.7542;-31.6044	800 m
University of Transkei Campus, 1.8 km S, 3.0 km W Umtata (see also: Umtata, 1.8 km S, 3.0 km W)	South Africa	28.7542;-31.6044	800 m

SE 31028Dc:

Elliotdale (see also: Xhora)	South Africa	28.6833;-31.9667	534 m
Xhora (see Elliotdale)	South Africa	28.6833;-31.9667	534 m

SE 31028Dd:

Mganduli (see Mqanduli)	South Africa	28.7500;-31.8167	682 m
Moanduli (see Mqanduli)	South Africa	28.7500;-31.8167	682 m
Mqanduli (see also: Mganduli, Moanduli)	South Africa	28.7500;-31.8167	682 m

SE 31029Bc:

Lusikisiki	South Africa	29.5733;-31.3619	508 m
Pondoland (see also: Pongoland)	South Africa	29.5000;-31.3333	
Pongoland (see Pondoland)	South Africa	29.5000;-31.3333	

SE 31029Bd:

Mkambati Game Reserve, 4.1 km N, 1.1 km W Msikaba River Mouth (see also: Msikaba River Mouth, 4.1 km N, 1.1 km W)	South Africa	29.9567;-31.2833	5 m
Msikaba river mouth	South Africa	29.9667;-31.3167	
Msikaba River Mouth, 4.1 km N, 1.1 km W (see Mkambati Game Reserve)	South Africa	29.9567;-31.2833	5 m

SE 31029Ca:

Farm Gouna (see Farm Visagierus), Williston, SW (see also: Calvinia, 54 mi [=87 km] E, Williston, 18.2 km S, 38.7 km W)	South Africa	29.1500;-31.5378	3600 ft
Ngqeleni	South Africa	29.0333;-31.6667	571 m

SE 31029Cb:

Deutschmann's Camp, 0.3 km S, 0.2 km W Umngazana River Mouth (see also: Umngazana River Mouth, 0.3 km S, 0.2 km W)	South Africa	29.4194;-31.6944	20 m
Umngazana River Mouth, 0.3 km S, 0.2 km W (see Deutschmann's Camp)	South Africa	29.4194;-31.6944	20 m

SE 31029Da:

Poenskop, 3.3 km N, 6.1 km E Port St. Johns (see also: Port St. Johns, 3.3 km N, 6.1 km E)	South Africa	29.6058;-31.5942	4 m
Port Saint John's (see also: Port Saint Johns, Port St. Johns, Umzimbuvu)	South Africa	29.5333;-31.6333	121 m
Port Saint Johns (see Port Saint John's)	South Africa	29.5333;-31.6333	121 m
Port St. Johns (see Port Saint John's)	South Africa	29.5333;-31.6333	121 m
Port St. Johns, 3.3 km N, 6.1 km E (see Poenskop)	South Africa	29.6058;-31.5942	4 m

Umzigaba River mouth, Pondoland	South Africa		29.6250;-31.6250	
Umzimbuvu (see Port Saint John's)	South Africa		29.5333;-31.6333	121 m

SE 31029Cc:

Coffee Bar (see Coffee Bay)	South Africa		29.1500;-31.9667	20 m
Coffee Bay (see also: Coffee Bar, Koffiebaai)	South Africa		29.1500;-31.9667	20 m
Koffiebaai (see Coffee Bay)	South Africa		29.1500;-31.9667	20 m

SE 31029Cd:

Coffee Bay, 17.5 km N, 14.4 km E (see Hluleka Nature Reserve)	South Africa		29.3036;-31.8253	10 m
Hluleka Nature Reserve, 17.5 km N, 14.4 km E Coffee Bay (see also: Coffee Bay, 17.5 km N, 14.4 km E)	South Africa		29.3036;-31.8253	10 m
Mtambanana	South Africa		29.2667;-31.8333	

SE 31030Aa:

Point Caravan Park	South Africa		30.1667;-31.0667	5 m
Port Edward	South Africa		30.2281;-31.0508	
Port Edward area	South Africa	ca.	30.1667;-31.0667	

SE 31030Ac:

Clearwater, Farm (see Farm Clearwater)	South Africa		30.0167;-31.2667	
Farm Clearwater (see also: Clearwater, Farm)	South Africa		30.0167;-31.2667	

SE 31203Cb:

Calvinia, 54 mi [=87 km] E (see Farm Gouna)	South Africa		203.4858;-31.5378	3600 ft
Williston, 18.2 km S, 38.7 km W (see Farm Gouna)	South Africa		203.4858;-31.5378	3600 ft

SE 32018Ab:

Compagnies Drif, 10 mi inland Lamberts Bay (see also: Compagnies Drift, Compagniesdrift Farm, Farm Compagniesdrift, Lamberts Bay, 10 mi [=16 km] inland, Lambert's Bay, 4 km S, 14 km E)	South Africa		18.4500;-32.1167	100 m
Compagnies Drift (see Compagnies Drif), 10 mi inland Lamberts Bay	South Africa		18.4500;-32.1333	100 m
Compagniesdrift Farm (see Compagnies Drif)	South Africa		18.4500;-32.1167	100 m
Farm 230 (Wagondrift) (see Farm Wagondrift 230), 16 km SSE Lamberts Bay	South Africa		18.3500;-32.2167	
Farm Compagniesdrift (see Compagnies Drif)	South Africa		18.4500;-32.1167	100 m
Farm Wagondrift 230, 16 km SSE Lamberts Bay (see also: Farm 230 (Wagondrift), Lamberts Bay, 16 km SSE, Wagondrift, Farm 230)	South Africa		18.3500;-32.2167	
Lamberts Bay, 10 mi [=16 km] inland	South Africa		18.4500;-32.1167	
Lamberts Bay, 10 mi [=16 km] inland (see Compagnies Drif)	South Africa		18.4500;-32.1333	100 m
Lamberts Bay, 16 km SSE (see Farm Wagondrift 230)	South Africa		18.3500;-32.2167	
Lambert's Bay, 4 km S, 14 km E (see Compagnies Drif)	South Africa		18.4500;-32.1167	100 m
Lamberts Bay, 6 km E	South Africa		18.3333;-32.0833	
Lamberts Bay, 8 km E	South Africa		18.3333;-32.0833	
Wagondrift, Farm 230 (see Farm Wagondrift 230), 16 km SSE Lamberts Bay	South Africa		18.3500;-32.2167	

SE 32018Bb:

Clanwilliam	South Africa		18.9500;-32.1333	600 m

SE 32018Ad:

Elandsbaai, 1.2 km S, 0.2 km E (see Rhebok Plaat Berg)	South Africa		18.3414;-32.3219	60 m
Elandsbaai, 9.9 km S, 12.3 km E (see Farm Groote Drift)	South Africa		18.4731;-32.4000	10 m
Farm Groote Drift, 9.9 km S, 12.3 km Eelandsbaai (see also: Elandsbaai, 9.9 km S, 12.3 km E, Groote Drift, Farm, Piketburg)	South Africa		18.4731;-32.4000	10 m

Groote Drift, Farm (see Farm Groote Drift), SE Elandsbaai, Piketburg	South Africa	18.4500;-32.4333	10 m
Piketburg (see Farm Groote Drift), SE Elandsbaai	South Africa	18.4500;-32.4333	10 m
Rhebok Plaat Berg, 1.2 km S, 0.2 km E Elandsbaai (see also: Elandsbaai, 1.2 km S, 0.2 km E)	South Africa	18.3414;-32.3219	60 m

SE 32018Bc:

Redelinghuys, 20.0 km N, 3 km E (see Sandberg)	South Africa	18.5833;-32.2833	100 m
Sandberg, 20.0 km N, 3 km E Redelinghuys (see also: Redelinghuys, 20.0 km N, 3 km E)	South Africa	18.5833;-32.2833	100 m

SE 32018Bd:

Olifants River, Clanwilliam	South Africa	18.9500;-32.3500	

SE 32018Cb:

Aurora, 8.0 km N, 3.0 km W (see Farm Rietfontein)	South Africa	18.4667;-32.6333	125 m
Dwarskersbos, 11 km N, 9 km W (see Rocher Pan Nature Reserve)	South Africa	18.3667;-32.6167	20 m
Dwarskersbos, 9.1 km N, 6.6 km E (see Rocherpan Nature Reserve)	South Africa	18.3167;-32.6000	20 m
Farm Rietfontein, 8.0 km N, 3.0 km W Aurora (see also: Aurora, 8.0 km N, 3.0 km W, Rietfontein, Farm)	South Africa	18.4667;-32.6333	125 m
Rietfontein, Farm (see Farm Rietfontein)	South Africa	18.4667;-32.6333	125 m
Rocher pan (see Rocher Pan Nature Reserve), 11 km N, 9 km W, Dwarskersbos	South Africa	18.3667;-32.6167	20 m
Rocher Pan Nature Reserve, 11 km N, 9 km W, Dwarskersbos (see also: Dwarskersbos, 11 km N, 9 km W, Rocher pan, Rocherpan Nature Reserve)	South Africa	18.3667;-32.6167	20 m
Rocherpan Nature Reserve (see Rocher Pan Nature Reserve), 11 km N, 9 km W, Dwarskersbos (see also: Dwarskersbos, 9.1 km N, 6.6 km E)	South Africa	18.3167;-32.6000	20 m

SE 32018Da:

Eenheid, Farm (see Farm Eenheid)	South Africa	18.6789;-32.5675	30 m
Elandsbaai, 28.4 km S, 31.7 km E (see Farm Eenheid)	South Africa	18.6789;-32.5675	30 m
Farm Eenheid, 28.4 km S, 31.7 km E Elandsbaai (see also: Eenheid, Farm, Elandsbaai, 28.4 km S, 31.7 km E)	South Africa	18.6789;-32.5675	30 m

SE 32018Db:

Het Kruis	South Africa	18.7500;-32.6000	100 m

SE 32018Cc:

Chemfos mine (see Langebaanweg)	South Africa	18.1500;-32.9667	56 m
Langebaan Road (see Langebaanweg)	South Africa	18.1500;-32.9667	56 m
Langebaanweg (see also: Chemfos mine, Langebaan Road)	South Africa	18.1500;-32.9667	56 m

SE 32018Cd:

Berg River (see Farm Kersefontein), 16 km N Hopefield	South Africa	18.3308;-32.9036	
Farm Kersefontein, 16 km N Hopefield (see also: Berg River, Hopefield, 16 km N, Kersefontein, Farm)	South Africa	18.3308;-32.9036	
Hopefield, 16 km N (see Farm Kersefontein)	South Africa	18.3308;-32.9036	
Kersefontein, Farm (see Farm Kersefontein), 16 km N Hopefield	South Africa	18.3308;-32.9036	

SE 32018Dc:

Farm A80 (Mouton's Valley) (see Farm Mouton's Valley A80)	South Africa	18.7189;-32.7697	545 m

Farm Mouton's Valley A80, 15.2 km N, 3.5 km W Piketberg (see also: Farm A80 (Mouton's Valley), Mouton's Valley, Farm A80, Piketberg, 15.2 km N, 3.5 km W)	South Africa	18.7189;-32.7697	545 m
Mouton's Valley, Farm A80 (see Farm Mouton's Valley A80)	South Africa	18.7189;-32.7697	545 m
Piketberg, 15.2 km N, 3.5 km W (see Farm Mouton's Valley A80)	South Africa	18.7189;-32.7697	545 m

SE 32019Aa:

Clanwilliam, 12 km ENE (see Pakhuis Pass, Kliphuis camp site)	South Africa	19.0028;-32.1361	693 m
Clanwilliam, 18 mi [=29 km] NE (see Traveller's Rest;)	South Africa	19.0833;-32.0667	500 ft
Pakhuis Pass, Kliphuis camp site, 12 km ENE Clanwilliam (see also: Clanwilliam, 12 km ENE)	South Africa	19.0028;-32.1362	693 m
Traveller's Rest;, 18 mi NE Clanwilliam (see also: Clanwilliam, 18 mi [=29 km] NE)	South Africa	19.0833;-32.0667	500 ft

SE 32019Ac:

Algeria (see Algeria Forestry Station)	South Africa	19.0667;-32.3833	
Algeria Forestry Station (see also: Algeria, Algeria State Forest, Clanwilliam, 28 km SSE)	South Africa	19.0667;-32.3833	
Algeria State Forest (see Algeria Forestry Station)	South Africa	19.0667;-32.3833	
Clanwilliam, 28 km SSE (see Algeria Forestry Station)	South Africa	19.0667;-32.3833	

SE 32019Ca:

Citrusdal	South Africa	19.0167;-32.6000	200 m

SE 32019Cb:

Cedarberg [Farmstead] (see Sederberg [Farmstead])	South Africa	19.2667;-32.5000	
Cederberg [Farmstead] (see Sederberg [Farmstead])	South Africa	19.2667;-32.5000	
Sederberg [Farmstead] (see also: Cedarberg [Farmstead], Cederberg [Farmstead])	South Africa	19.2667;-32.5000	

SE 32022Ba:

Beaufort West, 23 km N (see Matjies Vlei)	South Africa	22.5500;-32.1333	
Matjies Vlei, 23 km N Beaufort West (see also: Beaufort West, 23 km N)	South Africa	22.5500;-32.1333	

SE 32022Bc:

Beaufort West, 2 km NW (see Karoo National Park)	South Africa	22.5833;-32.2500	1000 m
Beaufort West, 9 km NW (see Karoo National Park)	South Africa	22.5500;-32.3333	
Karoo National Park, 9 km NW Beaufort West (see also: Beaufort West, 2 km NW, Beaufort West, 9 km NW)	South Africa	22.5500;-32.3333	

SE 32023Ad:

Alexanderskraal, Farm (see Farm Alexanderskraal)	South Africa	23.4167;-32.3097	3000 ft
Farm Alexanderskraal, 40.2 km S, 31.8 km W Murraysburg (see also: Alexanderskraal, Farm, Murraysburg, 40.2 km S, 31.8 km W)	South Africa	23.4167;-32.3097	3000 ft
Farm Koedoeskloof, 45.2 km S, 28.6 km W Murraysburg (see also: Koedoeskloof, Farm, Murraysburg, 45.2 km S, 28.6 km W)	South Africa	23.4511;-32.3564	884 m
Koedoeskloof, Farm (see Farm Koedoeskloof)	South Africa	23.4511;-32.3564	884 m
Murraysburg, 40.2 km S, 31.8 km W (see Farm Alexanderskraal)	South Africa	23.4167;-32.3097	3000 ft
Murraysburg, 45.2 km S, 28.6 km W (see Farm Koedoeskloof)	South Africa	23.4511;-32.3564	884 m

SE 32024Aa:

De Vrede, Farm (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet	South Africa		24.2073;-32.2176	
Doornbosch, Farm (see Farm Doornbosch)	South Africa		24.0794;-32.0450	1500 m
Farm De Vrede, 27 mi [=43 km] W Graaff Reinet (see also: De Vrede, Farm, Farm Vrede, Graaff Reinet, 27 mi [=43 km] W, Vrede, Farm)	South Africa		24.2073;-32.2176	
Farm Doornbosch, 14.5 km S, 38.5 km E Murraysburg (see also: Doornbosch, Farm, Murraysburg, 14.5 km S, 38.5 km E)	South Africa		24.0794;-32.0450	1500 m
Farm Vrede (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet	South Africa		24.2073;-32.2176	
Graaff Reinet, 27 mi [=43 km] W (see Farm De Vrede)	South Africa		24.2073;-32.2176	
Murraysburg, 14.5 km S, 38.5 km E (see Farm Doornbosch)	South Africa		24.0794;-32.0450	1500 m
Vrede, Farm (see Farm De Vrede), 27 mi [=43 km] W Graaff Reinet	South Africa		24.2073;-32.2176	

SE 32024Ab:

Farm Ferndale (see also: Ferndale, Farm)	South Africa		24.3500;-32.0667	
Ferndale, Farm (see Farm Ferndale)	South Africa		24.3500;-32.0667	

SE 32024Ba:

Abbotsbury, 27.5 km N, 6 km E Graaff-Reinet (see also: Graaff-Reinet, 27.5 km N, 6 km E)	South Africa		24.5189;-32.0039	1300 m
Graaf Reinet (see Graaff-Reinet)	South Africa		24.5500;-32.2300	718 m
Graaff-Reinet (see also: Graaf Reinet)	South Africa		24.5500;-32.2300	718 m
Graaff-Reinet, 27.5 km N, 6 km E (see Abbotsbury)	South Africa		24.5189;-32.0039	1300 m

SE 32024Bc:

Graaff-Reinet Nature Conservatory, 3.0 km E Graaff-Reinet (see also: Graaff-Reinet, 3.0 km E)	South Africa		24.5667;-32.2500	675 m
Graaff-Reinet, 3.0 km E (see Graaff-Reinet Nature Conservatory)	South Africa		24.5667;-32.2500	675 m

SE 32024Bd:

Graaff Reinet, 23 mi [=37 km] SE	South Africa		24.7500;-32.4500	

SE 32024Dc:

Jansenville, 8 mi [=12.9 km] NE	South Africa	ca.	24.6833;-32.9500	

SE 32025Ba:

Cradock, 25 km SE	South Africa	ca.	25.6167;-32.1833	
Cradock, 40 km NW	South Africa	ca.	25.6167;-32.1833	

SE 32025Bd:

Klipfontein, Klein Namaqualand	South Africa		25.7500;-32.4333	

SE 32025Cc:

Koedoeskop Game Ranch (see also: Kuduskop)	South Africa		25.1875;-32.9833	
Kuduskop (see Koedoeskop Game Ranch)	South Africa		25.1875;-32.9833	

SE 32026Ba:

Tsolwana Game Ranch, 4.0 km N, 29.0 km W Whittlesea (see also: Whittlesea, 4.0 km N, 29.0 km W)	South Africa		26.5167;-32.1500	1415 m
Whittlesea, 4.0 km N, 29.0 km W (see Tsolwana Game Ranch)	South Africa		26.5167;-32.1500	1415 m

SE 32026Bc:

Farm Pretty View, 6.3 km N, 6.4 km W Seymour (see also: Pretty View, Farm, Seymour, 6.3 km N, 6.4 km W)	South Africa	26.7039;-32.4969	850 m
Pretty View, Farm (see Farm Pretty View)	South Africa	26.7039;-32.4969	850 m
Seymour, 6.3 km N, 6.4 km W (see Farm Pretty View)	South Africa	26.7039;-32.4969	850 m

SE 32026Ca:

Bedford	South Africa	26.1000;-32.6833	800 m
Bedford, 2.2 km N, 9.5 km E (see Cullendale)	South Africa	26.1833;-32.6500	685 m
Cullendale, 2.2 km N, 9.5 km E Bedford (see also: Bedford, 2.2 km N, 9.5 km E, Mount Pleasant, Pleasant, mount)	South Africa	26.1833;-32.6500	685 m
Mount Pleasant (see Cullendale)	South Africa	26.1833;-32.6500	685 m
Pleasant, mount (see Cullendale)	South Africa	26.1833;-32.6500	685 m

SE 32026Da:

Tambook Vlei (see Tambookies Vlei)	South Africa	26.7167;-32.6000	900 m
Tambookies Vlei, near Hertzog (see also: Tambook Vlei)	South Africa	26.7167;-32.6000	900 m

SE 32026Cc:

Kaggasmondt (see Kaggasmoudt)	South Africa	26.2389;-32.8750	490 m
Kaggasmoudt (see also: Kaggasmondt)	South Africa	26.2389;-32.8750	490 m

SE 32026Dc:

Fort Beaufort	South Africa	26.6333;-32.7833	500 m
Fort Beaufort, 14 km W	South Africa	26.6333;-32.7833	
Fort Beaufort, 23.7 km S, 9.7 km E (see Sam Knott Nature Reserve)	South Africa	26.7397;-32.9414	240 m
Sam Knott Nature Reserve, 23.7 km S, 9.7 km E Fort Beaufort (see also: Fort Beaufort, 23.7 km S, 9.7 km E)	South Africa	26.7397;-32.9414	240 m

SE 32026Dd:

Alice	South Africa	26.8333;-32.7833	493 m
Coetzer's Rust, near Alice	South Africa	26.8333;-32.7833	550 m
Inquibica River bed	South Africa	ca. 26.9833;-32.8167	
Middledrift	South Africa	26.9833;-32.8167	

SE 32027Bb:

Blythswood Institute (see Blythswood Training Institute)	South Africa	27.9667;-32.2000	850 m
Blythswood Training Institute (see also: Blythswood Institute, Blythswood Training Institution)	South Africa	27.9667;-32.2000	850 m
Blythswood Training Institution (see Blythswood Training Institute)	South Africa	27.9667;-32.2000	850 m

SE 32027Ac:

Cathcart	South Africa	27.1333;-32.3000	1168 m

SE 32027Ca:

Isidenge Bosboustasie (see Isidenge Forest Station)	South Africa	27.1706;-32.6728	1000 m
Isidenge Forest Station, 11.4 km S, 13.5 km W Stutterheim (see also: Isidenge Bosboustasie, Stutterheim, 11.4 km S, 13.5 km W;)	South Africa	27.1706;-32.6728	1000 m
Stutterheim, 11.4 km S, 13.5 km W; (see Isidenge Forest Station)	South Africa	27.1706;-32.6728	1000 m

SE 32027Cb:

Izeleni Plantation	South Africa		27.4167;-32.6833	900 m
Kabusi Forest, 2 km W Stutterheim (see also: Stutterheim, 2 km W)	South Africa		27.2583;-32.5167	
Kabusi Forest station, 12 km W Stutterheim (see also: Stutterheim, 12 km W)	South Africa		27.2833;-32.5833	
King William's Town, 17.7 km N, 9.5 km W (see Sandile's Cave)	South Africa		27.2917;-32.7167	800 m
King William's Town, 20 km NNW (see Sandile's Cave)	South Africa		27.2667;-32.7000	800 m
Maden Dam	South Africa		27.2986;-32.7400	550 m
Sandile's Cave, 17.7 km N, 9.5 km NW King William's Town (see also: King William's Town, 17.7 km N, 9.5 km W, King William's Town, 20 km NNW)	South Africa		27.2917;-32.7167	800 m
Sandile's Rest Trout and Forest Country Estate	South Africa		27.2981;-32.6611	
Stutterheim, 12 km W (see Kabusi Forest station)	South Africa		27.2833;-32.5833	
Stutterheim, 2 km W (see Kabusi Forest)	South Africa		27.2583;-32.5167	
Stutterheim, near	South Africa	ca.	27.4500;-32.5500	850 m

SE 32027Da:

Amabele	South Africa		27.5333;-32.6500	800 m
Farm Gleniffer, near Kei Road (see also: Gleniffer, Farm)	South Africa		27.5819;-32.7117	660 m
Farm Rangerton (see also: Rangerton, Farm)	South Africa		27.6639;-32.6122	740 m
Gleniffer, Farm (see Farm Gleniffer)	South Africa		27.5819;-32.7117	660 m
Highbury Farm	South Africa		27.6833;-32.5833	600 m
Kei Road	South Africa		27.5472;-32.7056	680 m
Rangerton, Farm (see Farm Rangerton)	South Africa		27.6639;-32.6122	740 m

SE 32027Cc:

King William's Town, 16 km NW (see Pirie Mission)	South Africa		27.2167;-32.7833	728 m
Pirie Mission, 16 km NW King Williams Town (see also: King William's Town, 16 km NW)	South Africa		27.2167;-32.7833	728 m

SE 32027Cd:

Balasi	South Africa		27.4000;-32.8500	450 m
Blaney Nature Reserve, King William's Town	South Africa		27.4500;-32.8667	
Breidbach, 1.4 km S, 5.2 km E King William's Town (see also: King William's Town, 1.4 km S, 5.2 km E)	South Africa		27.4450;-32.8919	380 m
Fleet Ditch Tunnel	South Africa		27.3833;-32.8833	400 m
Green River, 5.2 km S, 9.6 km W King William's Town (see also: King William's Town, 5.2 km S, 9.6 km W)	South Africa		27.3000;-32.9167	400 m
Izele (Farmstead), near King William's Town (see also: Izele convent, Zele convent)	South Africa		27.4000;-32.8167	450 m
Izele convent (see Izele (Farmstead))	South Africa		27.4000;-32.8167	450 m
King William's Town (see also: King Williamstown)	South Africa		27.4000;-32.8833	363 m
King William's Town, 1.4 km S, 5.2 km E (see Breidbach)	South Africa		27.4450;-32.8919	380 m
King William's Town, 13.9 km N, 9.9 km W (see Pirie Trout hatchery)	South Africa		27.2872;-32.7514	560 m
King William's Town, 5.2 km S, 9.6 km W (see Green River)	South Africa		27.3000;-32.9167	400 m
King Williamstown (see King William's Town), 100 km NE Grahamstown	South Africa		27.4000;-32.8833	363 m
Msenge Ridge, near King William's Town	South Africa		27.3694;-32.8583	400 m
Pirie Forest, near King William's Town	South Africa		27.2500;-32.7667	1100 m
Pirie Trout hatchery, 13.9 km N, 9.9 km W King William's Town (see also: King William's Town, 13.9 km N, 9.9 km W)	South Africa		27.2872;-32.7514	560 m
West Bank	South Africa		27.3778;-32.8750	420 m
Zele convent (see Izele (Farmstead))	South Africa		27.4000;-32.8167	450 m

SE 32027Dc:

Blaney	South Africa		27.5333;-32.8667	500 m

SE 32027Dd:

Abbotsford	South Africa	27.9167;-32.9625	20 m
Amalinda	South Africa	27.8500;-32.9833	125 m
Arnoldton	South Africa	27.8000;-32.9667	200 m
Nahoon Suburb	South Africa	27.9333;-32.9833	50 m

SE 32028Bb:

The Haven	South Africa	28.9214;-32.2347	7 m

SE 32028Bd:

Dwesa Forests (see Dwessa Forest Reserve)	South Africa	28.8286;-32.3036	11 m
Dwesa Nature Reserve (see Dwessa Forest Reserve)	South Africa	28.8286;-32.3036	11 m
Dwessa Forest Reserve (see also: Dwesa Forests, Dwesa Nature Reserve)	South Africa	28.8286;-32.3036	11 m

SE 33018Aa:

Battelary, Langebaan	South Africa	18.1000;-33.1500	
Elandsfontein Phosphate mine (see also: Hopefield mine)	South Africa	18.1997;-33.0961	
Farm Geelbek, Langebaan (see also: Geelbek Farm)	South Africa	18.1333;-33.2000	
Geelbek Farm (see Farm Geelbek), Langebaan	South Africa	18.1333;-33.2000	
Hopefield mine (see Elandsfontein Phosphate mine)	South Africa	18.1997;-33.0961	
Postberg Nature Reserve, Langebaan	South Africa	18.0000;-33.1167	
Saldanha Bay (see also: Saldanhabaai)	South Africa	18.0000;-33.0500	
Saldanhabaai (see Saldanha Bay)	South Africa	18.0000;-33.0500	

SE 33018Ab:

Hopefield (see also: WCNP, Bottelary)	South Africa	18.3500;-33.0667	56 m
WCNP, Bottelary (see Hopefield), Hopefield	South Africa	18.3500;-33.0667	56 m

SE 33018Ac:

Ysterfontein [Farmstead]	South Africa	18.1500;-33.3333	10 m

SE 33018Ad:

Darling, 2.0 km S, 5.1 km W (see Farm Doorn Fontein 574)	South Africa	18.3267;-33.3944	105 m
Darling, 3.3 km S, 0.1 km E (see Farm Drie Papen Fontein 576)	South Africa	18.3822;-33.4058	290 m
Doorn Fontein, Farm 574 (see Farm Doorn Fontein 574)	South Africa	18.3267;-33.3944	105 m
Drie Papen Fontein, Farm 576 (see Farm Drie Papen Fontein 576)	South Africa	18.3822;-33.4058	290 m
Farm 574 (Doorn Fontein) (see Farm Doorn Fontein 574)	South Africa	18.3267;-33.3944	105 m
Farm 576 (Drie Papen Fontein) (see Farm Drie Papen Fontein 576)	South Africa	18.3822;-33.4058	290 m
Farm Doorn Fontein 574, 2.0 km S, 5.1 km W Darling (see also: Darling, 2.0 km S, 5.1 km W, Doorn Fontein, Farm 574, Farm 574 (Doorn Fontein))	South Africa	18.3267;-33.3944	105 m
Farm Drie Papen Fontein 576, 3.3 km S, 0.1 km E Darling (see also: Darling, 3.3 km S, 0.1 km E, Drie Papen Fontein, Farm 576, Farm 576 (Drie Papen Fontein))	South Africa	18.3822;-33.4058	290 m

SE 33018Bd:

Farm Modderfontein (see also: Malmesbury, 13 km NE, Modderfontein, Farm)	South Africa	18.8500;-33.4167	
Hex River Estates, 10 mi [=16 km] N Citrusdal (see also: Citrusdal, 10 mi [=16 km] N)	South Africa	18.9833;-33.4667	200 m
Malmesbury, 13 km NE (see Farm Modderfontein)	South Africa	18.8500;-33.4167	
Modderfontein, Farm (see Farm Modderfontein), 13 km NE Malmesbury	South Africa	18.8500;-33.4167	

SE 33018Cd:

Cape Town (see also: Kaapstad)	South Africa		18.4167;-33.9167	6 m
Cape Town, near	South Africa	ca.	18.4167;-33.9167	
Kaapstad (see Cape Town)	South Africa		18.4167;-33.9167	6 m
Kenilworth	South Africa		18.4667;-33.9833	
Little Mowbray	South Africa		18.4846;-33.9481	
Table Mountain, Platteklip, Cape Town	South Africa		18.4167;-33.9500	
Tafelberg	South Africa		18.4097;-33.9619	

SE 33018Dc:

Durbanville	South Africa		18.6500;-33.8333	174 m

SE 33018Dd:

Jonkershoek Forest Reserve (see Jonkershoek Staatsbos), 10 km SE Stellenbosch	South Africa		18.9269;-33.9622	
Jonkershoek Nature Conservation Research Station (see Jonkershoek Staatsbos)	South Africa		18.9269;-33.9622	
Jonkershoek Nature Reserve (see Jonkershoek Staatsbos), 10 km SE Stellenbosch	South Africa		18.9269;-33.9622	
Jonkershoek research station (see Jonkershoek Staatsbos)	South Africa		18.9269;-33.9622	
Jonkershoek Staatsbos, 10 km SE Stellenbosch (see also: Jonkershoek Forest Reserve, Jonkershoek Nature Conservation Research Station, Jonkershoek Nature Reserve, Jonkershoek research station, Stellenbosch, 10 km SE)	South Africa		18.9269;-33.9622	
Le Roux Farm	South Africa		18.8100;-33.9047	
Stellenbosch	South Africa		18.8500;-33.9333	91 m
Stellenbosch, 10 km SE (see Jonkershoek Staatsbos)	South Africa		18.9269;-33.9622	

SE 33019Ad:

Ceres (see Ceres Peak), Mitchell's Pass	South Africa		19.2667;-33.3833	
Ceres Peak, Mitchell's Pass (see also: Ceres)	South Africa		19.2667;-33.3833	
Ceres, near	South Africa	ca.	19.3167;-33.3667	ca. 500 m
Mitchells Pass	South Africa		19.3333;-33.3667	

SE 33019Da:

Citrusdal, 10 mi [=16 km] N (see Hex River Estates)	South Africa		19.5833;-33.5000	200 m

SE 33019Cc:

Lormarins, Paarl	South Africa		19.0500;-33.8833	
Worcester, Berg River	South Africa		19.1167;-33.8667	

SE 33019Dd:

Farm Vrolijkheid (see Vrolijkheid Nature Reserve)	South Africa		19.8667;-33.9167	221 m
Robertson	South Africa		19.8833;-33.8000	180 m
Robertson, 12 km S, 0.5 km W (see Vrolijkheid Nature Reserve)	South Africa		19.8667;-33.9167	221 m
Robertson, 15 km SW (see Vrolijkheid Nature Reserve)	South Africa		19.8833;-33.9167	221 m
Vrolijkheid Nature Reserve, 12 km S, 0.5 km W Robertson (see also: Farm Vrolijkheid, Robertson, 12 km S, 0.5 km W, Robertson, 15 km SW, Vrolijkheid, Farm)	South Africa		19.8833;-33.9167	221 m
Vrolijkheid, Farm (see Vrolijkheid Nature Reserve)	South Africa		19.8667;-33.9167	221 m

SE 33020Bd:

Farm Buffel Rivier Poort, 2.5 km N, 26.0 km W Ladismith (see also: Buffel Rivier Poort, Farm, Ladismith, 2.5 km N, 26.0 km W)	South Africa		20.9833;-33.4656	420 m
Ladismith, 2.5 km N, 26.0 km W (see Farm Buffel Rivier Poort)	South Africa		20.9833;-33.4656	420 m

SE 33020Ca:

Baden, Farm (see Farm "Baden")	South Africa	20.1206;-33.7039	350 m
Farm "Baden", 9.2 km N Montagu (see also: Baden, Farm, Montagu, 9.2 km N)	South Africa	20.1206;-33.7039	350 m
Montagu, 9.2 km N (see Farm "Baden")	South Africa	20.1206;-33.7039	350 m

SE 33020Cc:

Boesman Grotte (see Farm Guano Caves 163)	South Africa	20.1744;-33.8328	420 m
Bushmans Caves (see Farm Guano Caves 163)	South Africa	20.1744;-33.8328	420 m
Farm 163 (Guano Caves) (see Farm Guano Caves 163)	South Africa	20.1744;-33.8328	420 m
Farm Guano Caves 163, 5.2 km S, 5.0 km E Montagu (see also: Boesman Grotte, Bushmans Caves, Farm 163 (Guano Caves), Guano Caves, Farm 163, Montagu, 5.2 km S, 5.0 km E)	South Africa	20.1744;-33.8328	420 m
Guano Caves, Farm 163 (see Farm Guano Caves 163)	South Africa	20.1744;-33.8328	420 m
Montagu caves, near Ashton (see also: Montague cave(s))	South Africa	20.1228;-33.7860	
Montagu Mountain Reserve, 2 km N, 3 km W Montagu (see also: Montagu, 2 km N, 3 km W)	South Africa	20.0833;-33.7667	300 m
Montagu, 2 km N, 3 km W (see Montagu Mountain Reserve)	South Africa	20.0833;-33.7667	300 m
Montagu, 5.2 km S, 5.0 km E (see Farm Guano Caves 163)	South Africa	20.1744;-33.8328	420 m
Montague cave(s) (see Montagu caves), near Ashton	South Africa	20.1228;-33.7860	

SE 33020Dd:

Grootvadersbosch, Montagu / Swellendam	South Africa	20.8833;-33.8333	

SE 33021Bc:

Buffel Rivier Poort, Farm (see Farm Buffel Rivier Poort), Ladismith NW	South Africa	21.6167;-33.3667	420 m

SE 33021Bd:

Farm 152 (Vrisgewaagd) (see Farm Vrisgewaagd 152)	South Africa	21.8825;-33.2631	600 m
Farm 154 (Scholtze Kloof) (see Farm Scholtze Kloof 154)	South Africa	21.9964;-33.2600	675 m
Farm Scholtze Kloof 154, 3.7 km S, 3.2 km W Prince Albert (see also: Farm 154 (Scholtze Kloof), Prince Albert, 3.7 km S, 3.2 km W, Scholtze Kloof, Farm 154)	South Africa	21.9964;-33.2600	675 m
Farm Vrisgewaagd 152, 4.0 km S, 13.9 km W Prince Albert (see also: Farm 152 (Vrisgewaagd), Prince Albert, 4.0 km S, 13.9 km W, Vrisgewaagd, Farm 152)	South Africa	21.8825;-33.2631	600 m
Gamkapoort Nature Reserve	South Africa	21.7500;-33.2667	
Prince Albert, 3.7 km S, 3.2 km W (see Farm Scholtze Kloof 154)	South Africa	21.9964;-33.2600	675 m
Prince Albert, 4.0 km S, 13.9 km W (see Farm Vrisgewaagd 152)	South Africa	21.8825;-33.2631	600 m
Scholtze Kloof, Farm 154 (see Farm Scholtze Kloof 154)	South Africa	21.9964;-33.2600	675 m
Vrisgewaagd, Farm 152 (see Farm Vrisgewaagd 152)	South Africa	21.8825;-33.2631	600 m

SE 33021Ca:

Farm Zeekoegats Drift, 2.5 km S, 12.6 km W Ladismith (see also: Ladismith, 2.5 km S, 12.6 km W, Zeekoegats Drift, Farm)	South Africa	21.0950;-33.5108	380 m
Ladismith, 2.5 km S, 12.6 km W (see Farm Zeekoegats Drift)	South Africa	21.0950;-33.5108	380 m

SE 33021Da:

Zeekoegats Drift, Farm (see Farm Zeekoegats Drift), Ladismith, SW	South Africa	21.6167;-33.6167	380 m

SE 33021Db:

Bushcamp (see Tierkloof), Gamkaberg	South Africa	21.8917;-33.7417	
Tierkloof, Gamkaberg (see also: Bushcamp)	South Africa	21.8917;-33.7417	

SE 33022Ca:

De Hoek, Skeleton Cave (see Oudtshoorn), Oudtshoorn	South Africa	22.2000;-33.5833	328 m
Oudtshoorn (see also: De Hoek, Skeleton Cave)	South Africa	22.2000;-33.5833	328 m

SE 33022Da:

Dysselsdorp, 8 km SE (see Kammannassie M.C.A [Camp 2])	South Africa	22.5500;-33.6000	
Kammannassie M.C.A [Camp 2], 8 km SE Dysselsdorp (see also: Dysselsdorp, 8 km SE)	South Africa	22.5500;-33.6000	

SE 33022Dc:

Bergplaas (see also: Bergplaast)	South Africa	22.6667;-33.8833	444 m
Bergplaast (see Bergplaas)	South Africa	22.6667;-33.8833	444 m
Ebb-And-Flow (see also: Wildernis, 1 km N, 3 km E)	South Africa	22.6000;-33.9833	30 m
George, 1.6 km N, 5.9 km E (see Saasveld)	South Africa	22.5167;-33.9500	213 m
Saarsveld Forestry School (see Saasveld)	South Africa	22.5167;-33.9500	213 m
Saasveld, 1.6 km N, 5.9 km E George (see also: George, 1.6 km N, 5.9 km E, Saarsveld Forestry School, Saasveld Forestry College, Saasveld Forestry Research Station, Saasveld Forestry School)	South Africa	22.5167;-33.9500	213 m
Saasveld Forestry College (see Saasveld), George	South Africa	22.5167;-33.9500	213 m
Saasveld Forestry Research Station (see Saasveld), George	South Africa	22.5167;-33.9500	213 m
Saasveld Forestry School (see Saasveld), George	South Africa	22.5167;-33.9500	213 m
Wildernis, 1 km N, 3 km E (see Ebb-And-Flow)	South Africa	22.6000;-33.9833	30 m

SE 33022Dd:

Millwood Goldmine (museum) (see Knysna)	South Africa	22.9956;-33.8889	

SE 33023Ab:

Brakfontein, Farm (see Farm Brakfontein), 12 mi [=19 km] N Willowmore	South Africa	23.4167;-33.1333	
Farm Brakfontein, 12 mi [=19 km] N Willowmore (see also: Brakfontein, Farm, Willowmore,12 mi [=19 km] N)	South Africa	23.4167;-33.1333	
Willowmore,12 mi [=19 km] N (see Farm Brakfontein)	South Africa	23.4167;-33.1333	

SE 33023Ca:

Farm Vleiplaas, 2.8 km N, 3.8 km E Uniondale (see also: Uniondale, 2.8 km N, 3.8 km E, Vleiplaas, Farm)	South Africa	23.1678;-33.6303	760 m
Uniondale, 2.8 km N, 3.8 km E (see Farm Vleiplaas)	South Africa	23.1678;-33.6303	760 m
Vleiplaas, Farm (see Farm Vleiplaas)	South Africa	23.1678;-33.6303	760 m

SE 33023Cc:

Deepwalls (see Diepwalle State Forest)	South Africa	23.1500;-33.9333	
Deepwalls Forest Station (see Diepwalle State Forest)	South Africa	23.1500;-33.9333	
Diepwalle State Forest, 14 km NNE Knysna (see also: Deepwalls, Deepwalls Forest Station, Knysna, 14 km NNE)	South Africa	23.1500;-33.9333	
Knysna, 14 km NNE (see Diepwalle State Forest)	South Africa	23.1500;-33.9333	

SE 33023Dc:

Lottering Forest Reserve, 10.3 km N, 34.7 km E Plettenberg Bay (see also: Plettenberg Bay, 10.3 km N, 34.7 km E)	South Africa		23.7461;-33.9650	240 m
Natures Valley Village	South Africa		23.5667;-33.9667	207 m
Plettenberg Bay, 10.3 km N, 34.7 km E (see Lottering Forest Reserve)	South Africa		23.7461;-33.9650	240 m

SE 33023Dd:

Humansdorp, 82 km W (see Stormsrivier-Bosreservaat)	South Africa		23.8333;-33.9500	
Stormsriver State Forest Station (see Stormsrivier-Bosreservaat), 82 km W Humansdorp	South Africa		23.8333;-33.9500	
Stormsrivier-Bosreservaat, 82 km W Humansdorp (see also: Humansdorp, 82 km W, Stormsriver State Forest Station)	South Africa		23.8333;-33.9500	
Tsitsikama National Park	South Africa		23.8459;-33.9879	
Tsitsikamma Guano cave	South Africa	ca.	23.8459;-33.9879	

SE 33024Bd:

Kleinpoort, Grahamstown	South Africa		24.8767;-33.3303	541 m

SE 33024Cc:

Farm Uitvlug, 5.0 km N, 11.0 km E Joubertina (see also: Joubertina, 5.0 km N, 11.0 km E)	South Africa		24.0167;-33.8167	550 m
Joubertina, 5.0 km N, 11.0 km E (see Farm Uitvlug)	South Africa		24.0167;-33.8167	550 m
Kareedouw, 5.0 km S, 15.5 km W (see Witels Forest Reserve)	South Africa		24.1269;-33.9964	240 m
Witels Forest Reserve, 5.0 km S, 15.5 km W Kareedouw (see also: Kareedouw, 5.0 km S, 15.5 km W)	South Africa		24.1269;-33.9964	240 m

SE 33024Dd:

Hankey,1.3 km N, 3.5 km W	South Africa		24.8467;-33.8203	50 m
Patensie (see also: Patentie)	South Africa		24.8183;-33.7556	142 m
Patentie (see Patensie)	South Africa		24.8183;-33.7556	142 m

SE 33025Bc:

Farm 326 (Vygeboom) (see Farm Vygeboom 326)	South Africa		25.6753;-33.2689	750 m
Farm Vygeboom 326, 18.8 km N, 27.2 km W Paterson (see also: Farm 326 (Vygeboom), Paterson, 18.8 km N, 27.2 km W, Vygeboom, Farm 326)	South Africa		25.6753;-33.2689	750 m
Paterson, 18.8 km N, 27.2 km W (see Farm Vygeboom 326)	South Africa		25.6753;-33.2689	750 m
Vygeboom, Farm 326 (see Farm Vygeboom 326)	South Africa		25.6753;-33.2689	750 m

SE 33025Ca:

Groendal Staatsbos, 10 km WNW Uitenhage (see also: Groendal Wilderness Area, Uitenhage, 10 km WNW)	South Africa		25.2333;-33.7000	
Groendal Wilderness Area (see Groendal Staatsbos), 10 km WNW Uitenhage	South Africa		25.2333;-33.7000	
Uitenhage, 10 km WNW (see Groendal Staatsbos)	South Africa		25.2333;-33.7000	

SE 33025Db:

Addo Elephant National Park (see Addo National Park)	South Africa		25.7500;-33.5000	400 ft
Addo Elephant Park (see Addo National Park)	South Africa		25.7500;-33.5000	400 ft
Addo National Park (see also: Addo Elephant National Park, Addo Elephant Park)	South Africa		25.7500;-33.5000	400 ft

SE 33025Cc:

Port Elisabeth, 26 mi [=42 km] W (see Van Staden's Valley)	South Africa		25.2000;-33.9000	430 m
Stadenspas (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa		25.2000;-33.9000	430 m
Van Staaden River Pass (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa		25.2000;-33.9000	430 m
Van Staadens Pass (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa		25.2000;-33.9000	430 m
Van Stadenspas (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa		25.2000;-33.9000	430 m

SE 33025Cd:

Amanzi Estate, 4 mi [=6.4 km] N Despatch (see also: Despatch, 4 mi [=6.4 km] N)	South Africa		25.4667;-33.7500	
Despatch	South Africa		25.4667;-33.7833	30 m
Despatch, 4 mi [=6.4 km] N (see Amanzi Estate)	South Africa		25.4667;-33.7500	
Farm Nico Smith, 20 mi [=32 km] W Port Elisabeth (see also: Nico Smith, Farm, Port Elisabeth, 20 mi [=32 km] W)	South Africa		25.2966;-33.9867	
Maitland Mines, 20 mi [=32 km] W Port Elisabeth (see also: Port Elisabeth, 20 mi [=32 km] W)	South Africa		25.2966;-33.9867	
Nico Smith, Farm (see Farm Nico Smith), 20 mi [=32 km] W Port Elisabeth	South Africa		25.2966;-33.9867	
Port Elisabeth, 20 mi [=32 km] W (see Farm Nico Smith)	South Africa		25.2966;-33.9867	
Port Elisabeth, 20 mi [=32 km] W (see Maitland Mines)	South Africa	ca.	25.2966;-33.9867	
Uitenhage district	South Africa		25.4167;-33.7500	
Van Staden's Valley (see also: Port Elisabeth, 26 mi [=42 km] W, Stadenspas, Van Staaden River Pass, Van Staadens Pass, Van Stadenspas)	South Africa		25.2500;-33.8833	430 m

SE 33025Dc:

Cypris	South Africa		25.6000;-33.9667	
Farm Pickford, 12 mi N Port Elizabeth	South Africa		25.5333;-33.8167	
Newton Park, Port Elizabeth	South Africa		25.5667;-33.9500	107 m
Perseverance Junction (see Pickford, Farm)	South Africa		25.5333;-33.8167	
Pickford, Farm (see Pickford, Farm), 12 mi N Port Elizabeth (see also: Perseverance Junction, Pickford, Farm, Port Elizabeth, 12 mi N)	South Africa		25.5333;-33.8167	
Port Elisabeth	South Africa		25.5833;-33.9667	29 m
Port Elizabeth	South Africa	ca.	25.6333;-33.9667	29 m
Port Elizabeth, 12 mi N (see Pickford, Farm)	South Africa		25.5333;-33.8167	
St. George's Park	South Africa		25.5833;-33.9667	
Summerstrand	South Africa		25.6833;-33.9833	10 m
Walmer, Port Elizabeth	South Africa		25.5833;-33.9833	71 m

SE 33026Aa:

Farm Mitford Park, 5 km W Riebeek-Oos (see also: Mitford Park, Farm, Riebeek-Oos, 5 km W)	South Africa		26.1000;-33.2000	700 m
Mitford Park, Farm (see Farm Mitford Park)	South Africa		26.1000;-33.2000	700 m
Riebeek-Oos, 5 km W (see Farm Mitford Park)	South Africa		26.1000;-33.2000	700 m

SE 33026Ba:

Andries Vosloo Kudu Resserve, 19.2 km N, 18.3 km E Grahamstown (see also: Grahamstown, 19.2 km N, 18.3 km E)	South Africa		26.7214;-33.1367	460 m
Brakkloof, near Grahamstown	South Africa		26.6667;-33.2000	
Fort Brown	South Africa		26.7000;-33.1167	400 m
Fort Brown Police Station, 19.9 km N, 8.6 km E Grahamstown (see also: Grahamstown, 19.9 km N, 8.6 km E)	South Africa		26.6181;-33.1303	270 m
Grahamstown, 19.2 km N, 18.3 km E (see Andries Vosloo Kudu Resserve)	South Africa		26.7214;-33.1367	460 m
Grahamstown, 19.9 km N, 8.6 km E (see Fort Brown Police Station)	South Africa		26.6181;-33.1303	270 m

SE 33026Bb:

Committees Drift	South Africa	26.8236;-33.1583	100 m
Committees Drift, 7.2 km S, 5.7 km W (see Farm Kleinpoort (Bd))	South Africa	26.7711;-33.2222	200 m
Farm Kleinpoort (Bd), 7.2 km S, 5.7 km W Committees Drift (see also: Committees Drift, 7.2 km S, 5.7 km W, Kleinpoort, Farm)	South Africa	26.7711;-33.2222	200 m
Kleinpoort, Farm (see Farm Kleinpoort (Bd))	South Africa	26.7711;-33.2222	200 m

SE 33026Ac:

Alicedale	South Africa	26.0833;-33.3000	300 m

SE 33026Ad:

Atherstone Station, near (see Farm Fir Glen)	South Africa	26.3892;-33.3222	900 m
Atherstone, Farm (see Farm Atherstone)	South Africa	26.3667;-33.3167	600 m
Farm Atherstone (see also: Atherstone, Farm)	South Africa	26.3667;-33.3167	600 m
Farm Fir Glen, near Atherstone Station (see also: Atherstone Station, near, Fir Glen, Farm)	South Africa	26.3892;-33.3222	900 m
Farm Mosslands, 11 mi [=17.7 km] SSW Grahamstown (see also: Grahamstown, 11 mi [=17.7 km] SSW, Mossland, Mosslands, Farm)	South Africa	26.4292;-33.4064	
Fir Glen, Farm (see Farm Fir Glen), Grahamstown	South Africa	26.3892;-33.3222	900 m
Grahamstown, 11 mi [=17.7 km] SSW (see Farm Mosslands)	South Africa	26.4292;-33.4064	
Mossland (see Farm Mosslands), 11 mi [=17.7 km] SSW Grahamstown	South Africa	26.4292;-33.4064	
Mosslands, Farm (see Farm Mosslands), 11 mi [=17.7 km] SSW Grahamstown	South Africa	26.4292;-33.4064	
Table Farm cave, NW Grahamstown	South Africa	26.4167;-33.2833	648 m

SE 33026Bc:

Dog's Dam	South Africa	26.5167;-33.3000	530 m
Farm Stones Hill, 5 km S, 5 km E Grahamstown (see also: Grahamstown, 5 km S, 5 km E, Stones Hill, Farm)	South Africa	26.5667;-33.3333	430 m
Farm Waterloo, 1.5 km S, 1.2 km E Grahamstown (see also: Grahamstown, 1.5 km S, 1.2 km E, Waterloo, Farm)	South Africa	26.5383;-33.3239	610 m
Fiddler's Green	South Africa	26.5167;-33.3000	530 m
Grahamstad (see Grahamstown)	South Africa	26.5333;-33.3000	500 m
Grahamstown (see also: Grahamstad)	South Africa	26.5333;-33.3000	500 m
Grahamstown, 1.5 km S, 1.2 km E (see Farm Waterloo)	South Africa	26.5383;-33.3239	610 m
Grahamstown, 5 km S, 5 km E (see Farm Stones Hill)	South Africa	26.5667;-33.3333	430 m
Rhodes University, near Hamilton Reserve	South Africa	26.5167;-33.3000	530 m
St. Andrews College (Grahamstown)	South Africa	26.5194;-33.3056	550 m
Stones Hill, Farm (see Farm Stones Hill)	South Africa	26.5667;-33.3333	430 m
Waterloo, Farm (see Farm Waterloo)	South Africa	26.5383;-33.3239	610 m

SE 33026Cb:

Alexandria	South Africa	26.4167;-33.6500	195 m

SE 33026Db:

Bathurst State Forest, 4.7 km S, 3.7 km W Bathurst (see also: Bathurst, 4.7 km S, 3.7 km W)	South Africa	26.7867;-33.5458	10 m
Bathurst, 4.7 km S, 3.7 km W (see Bathurst State Forest)	South Africa	26.7867;-33.5458	10 m
Kowie (see Port Alfred)	South Africa	26.9000;-33.6000	30 m
Port Alfred (see also: Kowie, The Kowie)	South Africa	26.9000;-33.6000	30 m
The Kowie (see Port Alfred)	South Africa	26.9000;-33.6000	30 m

SE 33027Aa:

King William's Town, 18.2 km S, 14.9 km W	South Africa	27.2322;-33.0414	244 m

Peddie	South Africa	27.1167;-33.2000	300 m

SE 33027Bb:

Bat's Cave, 5 km S, 7.5 km W Nahoon Point (see also: Nahoon Point, 5 km S, 7.5 km W)	South Africa	27.8681;-33.0458	0 m
Buffalo Pass	South Africa	27.8083;-33.0125	400 m
East London (see also: Oos-Londen)	South Africa	27.9167;-33.0000	20 m
Nahoon Point, 5 km S, 7.5 km W (see Bat's Cave)	South Africa	27.8681;-33.0458	0 m
Oos-Londen (see East London)	South Africa	27.9167;-33.0000	0 m

SE 34018Ab:

Cape of Good Hope (peninsula) (see Cape Peninsula)	South Africa	18.3333;-34.1667	
Cape of Good Hope (see Cape Peninsula)	South Africa	18.3333;-34.1667	
Cape Peninsula (see also: Cape of Good Hope, Cape of Good Hope (peninsula), Kaapse Skiereiland)	South Africa	18.3333;-34.1667	
Hout Bay (see Houtbaai)	South Africa	18.3667;-34.0667	
Houtbaai (see also: Hout Bay)	South Africa	18.3667;-34.0667	
Kaapse Skiereiland (see Cape Peninsula)	South Africa	18.3333;-34.1667	
Simon's Town (see also: Simonstad, Simonstown)	South Africa	18.4333;-34.1833	0 m
Simonstad (see Simon's Town)	South Africa	18.4333;-34.1833	0 m
Simonstown (see Simon's Town)	South Africa	18.4333;-34.1833	0 m
Wynberg, Cape Town (see also: Wynberg cave)	South Africa	18.4667;-34.0000	84 m
Wynberg cave (see Wynberg), Cape Town	South Africa	18.4667;-34.0167	

SE 34018Bb:

Strand	South Africa	18.8231;-34.1006	20 m

SE 34018Bd:

Harold Porter Botanical Reserve, 0.5 km S, 10.1 km W Kleinmond (see also: Kleinmond, 0.5 km S, 10.1 km W)	South Africa	18.9258;-34.3469	60 m
Kleinmond, 0.5 km S, 10.1 km W (see Harold Porter Botanical Reserve)	South Africa	18.9258;-34.3469	60 m

SE 34019Aa:

Botrivier	South Africa	19.2000;-34.2167	75 m

SE 34019Ad:

Voëlklip, 7th Street	South Africa	19.2667;-34.3831	8 m

SE 34019Bd:

Bredasdorp, 16.4 km N, 21.5 km W (see Farm Swq 1032)	South Africa	19.8075;-34.3844	166 m
Farm 1032 (Swq) (see Farm Swq 1032)	South Africa	19.8075;-34.3844	166 m
Farm Swq 1032, 16.4 km N, 21.5 km W Bredasdorp (see also: Bredasdorp, 16.4 km N, 21.5 km W, Farm 1032 (Swq), Swq, Farm 1032)	South Africa	19.8075;-34.3844	166 m
Swq, Farm 1032 (see Farm Swq 1032)	South Africa	19.8075;-34.3844	166 m

SE 34019Da:

Elim, 17.5 km S, 5.7 km W (see Farm Ratelfontein)	South Africa	19.6958;-34.7472	30 m
Farm Ratelfontein, 17.5 km S, 5.7 km W Elim (see also: Elim, 17.5 km S, 5.7 km W, Ratelfontein, Farm)	South Africa	19.6958;-34.7472	30 m
Ratelfontein, Farm (see Farm Ratelfontein)	South Africa	19.6958;-34.7472	30 m

SE 34019Dd:

Farm Zoetendalsvlei, Bredasdorp (see also: Zoetendalsvlei, Farm)	South Africa	19.9833;-34.7500	

Zoetendalsvlei, Farm (see Farm Zoetendalsvlei), Bredasdorp	South Africa	19.9833;-34.7500	

SE 34020Ab:

Bontebok National Park (see Lang-Elsieskraal Bontebok Park)	South Africa	20.4500;-34.0833	70 m
Lang-Elsieskraal Bontebok Park, 6 km S, 1 km E Swellendam (see also: Bontebok National Park, Swellendam, 6 km S, 1 km E)	South Africa	20.4500;-34.0833	70 m
Swellendam (see also: Swellidam)	South Africa	20.4333;-34.0333	159 m
Swellendam, 6 km S, 1 km E (see Lang-Elsieskraal Bontebok Park)	South Africa	20.4500;-34.0833	70 m
Swellidam (see Swellendam)	South Africa	20.4333;-34.0333	159 m

SE 34020Bb:

Grootvadersbosch Forest Reserve, 22 km NW Heidelberg (see also: Heidelberg, 22 km NW)	South Africa	20.7667;-34.0333	
Heidelberg, 22 km NW (see Grootvadersbosch Forest Reserve)	South Africa	20.7667;-34.0333	

SE 34020Ad:

Bredasdorp, 2 km N, 6 km E (see De Hoop Nature Reserve)	South Africa	20.3992;-34.4550	50 m
Bredasdorp, 32 km ENE (see De Hoop Nature Reserve)	South Africa	20.3992;-34.4550	50 m
De Hoop Guano Cave, 32 km ENE Bredasdorp	South Africa	20.4000;-34.4167	
De Hoop Nature Reserve, 32 km ENE Bredasdorp (see also: Bredasdorp, 2 km N, 6 km E, Bredasdorp, 32 km ENE, De Hoop Natuurreservaat, De Hoop Private Nature Reserve, De Hoop Provincial Nature Reserve, De Hoop, wildproefplaats, Roossenekal, 40 km N)	South Africa	20.3992;-34.4550	
De Hoop Natuurreservaat (see De Hoop Nature Reserve)	South Africa	20.3992;-34.4550	50 m
De Hoop Private Nature Reserve (see De Hoop Nature Reserve), 40 km N Roossenekal; 32 km ENE Bredasdorp	South Africa	20.3992;-34.4550	
De Hoop Provincial Nature Reserve (see De Hoop Nature Reserve)	South Africa	20.3992;-34.4550	
De Hoop, wildproefplaats (see De Hoop Nature Reserve), Wildproefplaats "De Hoop"	South Africa	20.3992;-34.4550	
Roossenekal, 40 km N (see De Hoop Nature Reserve)	South Africa	20.3992;-34.4550	

SE 34020Ca:

"Onmeetbare" cave (see Bredasdorp)	South Africa	20.0333;-34.5333	114 m
Bredasdorp (see also: "Onmeetbare" cave)	South Africa	20.0333;-34.5333	114 m
Bredasdorp, 16.2 km S, 17.8 km W (see Waenhuiskrans Overhangs)	South Africa	20.2344;-34.6789	0 m
Waenhuiskrans Cliffs (see Waenhuiskrans Overhangs)	South Africa	20.2344;-34.6789	0 m
Waenhuiskrans Overhangs, 16.2 km S, 17.8 km W Bredasdorp (see also: Bredasdorp, 16.2 km S, 17.8 km W, Waenhuiskrans Cliffs)	South Africa	20.2344;-34.6789	0 m

SE 34021Aa:

Garcia Bosreservaat (see Garcia Forest Reserve)	South Africa	21.2225;-34.0194	160 m
Garcia Forest Reserve, 8.4 km N, 3.0 km W Riversdale (see also: Garcia Bosreservaat, Garcia State Forest, Riversdale, 8.4 km N, 3.0 km W)	South Africa	21.2225;-34.0194	160 m
Garcia State Forest (see Garcia Forest Reserve)	South Africa	21.2225;-34.0194	160 m
Riversdale, 8.4 km N, 3.0 km W (see Garcia Forest Reserve)	South Africa	21.2225;-34.0194	160 m

SE 34021Bb:

Herbertsdale	South Africa	21.7500;-34.0167	100 m

SE 34021Ad:

Stilbaai, Riversdale (see also: Still Bay, Stillbaai)	South Africa		21.4167;-34.3667	1 m
Still Bay (see Stilbaai)	South Africa		21.4167;-34.3667	1 m
Stillbaai (see Stilbaai)	South Africa		21.4167;-34.3667	1 m

SE 34022Bb:

Belvedere, near Knysna	South Africa		22.9833;-34.0333	
Goukamma Nature Reserve, 3.0 km S, 10.0 km W Knysna (see also: Knysna, 3.0 km S, 10.0 km W, Knysna, 3.8 km S, 9,3 km W)	South Africa		22.9333;-34.0500	30 m
Knysna, 3.0 km S, 10.0 km W (see Goukamma Nature Reserve)	South Africa		22.9333;-34.0500	30 m
Knysna, 3.8 km S, 9,3 km W (see Goukamma Nature Reserve)	South Africa		22.9333;-34.0500	30 m

SE 34023Aa:

De Nysna (see Knysna)	South Africa		23.0333;-34.0333	0 m
Groot River, near Knysna	South Africa	ca.	23.0000;-34.0000	
Harkverville Forest	South Africa		23.2175;-34.0497	
Knysna (see also: De Nysna, Millwood Goldmine (museum))	South Africa		23.0333;-34.0333	0 m
Lignite cave, near Knysna	South Africa	ca.	23.0333;-34.0333	

SE 34023Ab:

Keurbooms Nature Reserve, 6 km N, 2.5 km E Plettenberg Bay (see also: Keurboomsrivier Nature Reserve, Plettenberg Bay, 6 km N, 2.5 km E)	South Africa		23.4000;-34.0000	20 m
Keurboomsrivier Nature Reserve (see Keurbooms Nature Reserve)	South Africa		23.4000;-34.0000	20 m
Plettenberg Bay, 6 km N, 2.5 km E (see Keurbooms Nature Reserve)	South Africa		23.4000;-34.0000	20 m

SE 34023Bb:

Guano cave, Storms river mouth, 2 km S	South Africa		23.8833;-34.0333	
Humansdorp, 1.0 km N, 80.1 km W (see Storms River Mouth)	South Africa		23.9053;-34.0181	50 m
Kareedouw, 7.6 km S, 39.0 km W	South Africa		23.8706;-34.0203	5 m
Kareedouw, 9,0 km S, 28.7 km W	South Africa		23.9833;-34.0333	50 m
Storms River Mouth, 1.0 km N, 80.1 km W Humansdorp (see also: Humansdorp, 1.0 km N, 80.1 km W, Stormsriver mouth)	South Africa		23.9053;-34.0181	50 m
Stormsriver mouth (see Storms River Mouth)	South Africa		23.9053;-34.0181	50 m

SE 34025Ba:

Bat's cave	South Africa		25.5333;-34.0333	20 m
Schoenmakerskop (see Skoenmakerskop)	South Africa		25.5442;-34.0406	
Skoenmakerskop (see also: Schoenmakerskop)	South Africa		25.5442;-34.0406	

Appendix 9e: Altitudinal Gazetteer

In this gazetteer the localities are presented in ascending altitudinal order. The gazetteer only includes localities for which an altitude is known. Localities, for which only an altitudinal range is know, are, however, also disgarded.

-99 - 0 m:

Kawm Awshim (see Kawm Ushim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Kawm Awshim (see Kawm Ushim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Kawm Ushim (see also: Kawm Awshim, Kawm Awshim, Kom O Shim, Kom Omshin, Kom Oshim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Kom O Shim (see Kawm Ushim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Kom Omshin (see Kawm Ushim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Kom Oshim (see Kawm Ushim)	Egypt		29° 33' 23" N 30° 53' 13" E	-1 m
Siuah (see Siwah)	Egypt		29° 12' 00" N 25° 31' 00" E	-1 m
Siwa Oasis (see Siwah)	Egypt		29° 12' 00" N 25° 31' 00" E	-1 m
Siwah (see also: Siuah, Siwa Oasis, Siwe)	Egypt		29° 12' 00" N 25° 31' 00" E	-1 m
Siwe (see Siwah)	Egypt		29° 12' 00" N 25° 31' 00" E	-1 m
Aberdeen Village, 14 km from Freetown (see also: Freetown, 14 km from)	Sierra Leone		8° 29' 33" N 13° 17' 04" W	0 m
Abes (see Gabès), Qabis province	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Abu Zanimah, 18 km N, 4 km from sea (see also: Abu Zenima, 18 km N, Abu Zuneim, 18 km N, Aby Zniema, 18 km N)	Egypt		29° 02' 59" N 33° 06' 13" E	0 m
Abu Zenima, 18 km N (see Abu Zanimah, 18 km N)	Egypt		29° 02' 59" N 33° 06' 13" E	0 m
Abu Zuneim, 18 km N (see Abu Zanimah, 18 km N)	Egypt		29° 02' 59" N 33° 06' 13" E	0 m
Aby Zniema, 18 km N (see Abu Zanimah, 18 km N)	Egypt		29° 02' 59" N 33° 06' 13" E	0 m
Addington, Durban	South Africa		29° 50' 36" S 31° 02' 03" E	0 m
Adiembra (see Ajemra)	Ghana		4° 49' 00" N 2° 11' 00" W	0 m
Adjigó (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Agoué (see also: Adjigó, Agouve, Ague, Agwe, Agweh, Ajigo)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Agouve (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Ague (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Agwe (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Agweh (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Agyembra (see Ajemra)	Ghana		4° 49' 00" N 2° 11' 00" W	0 m
Ajemera (see Ajemra)	Ghana		4° 49' 00" N 2° 11' 00" W	0 m
Ajemra (see also: Adiembra, Agyembra, Ajemera, Egyambra)	Ghana		4° 49' 00" N 2° 11' 00" W	0 m
Ajigo (see Agoué)	Benin		6° 14' 00" N 1° 41' 00" E	0 m
Al Jaghbub (see also: El-Giagbúb, Giarabub, Jaghbub)	Libya		29° 44' 33" N 24° 31' 04" E	0 m
Al Jazair (see Alger)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Al Muwayli?, Red Sea Coast (see also: Al-Mweleh, Al-Mwêle?, Mawaila, Mohila, Mowila)	Saudi Arabia		27° 41' 00" N 35° 28' 00" E	0 m
Al Qusayr (see also: Koseir, Leucus Limen, Qosier, Qosseir, Quseir)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Alger (see also: Al Jazair, Algeri, Algier, Algiers, Al-jezair)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Algeri (see Alger)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Algier (see Alger)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Algiers (see Alger)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Al-jezair (see Alger)	Algeria		36° 45' 47" N 3° 03' 02" E	0 m
Al-Mweleh (see Al Muwayli?), Red Sea Coast	Saudi Arabia		27° 41' 00" N 35° 28' 00" E	0 m
Al-Mwêle? (see Al Muwayli?), Red Sea Coast	Saudi Arabia		27° 41' 00" N 35° 28' 00" E	0 m
Ambo (see Palé)	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m
Ambriz	Angola		7° 51' 00" S 13° 07' 00" E	0 m
Anamabo (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anamaboe (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anamabu (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anamabu Castle (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Andoany (see also: Hell-Ville, Helville)	Madagascar		13° 24' 00" S 48° 16' 00" E	0 m
Andoany, 3 km N (see also: Hell-Ville, 3 km N, Helville, 3 km N)	Madagascar	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Andranto (see Anorotsangana)	Madagascar		13° 55' 00" S 47° 55' 00" E	0 m
Andranto (see Anorotsangana)	Madagascar		13° 54' 55" S 47° 55' 19" E	0 m
Anjajavy, 26.5 km SW	Madagascar		15° 11' 52" S 47° 02' 32" E	0 m
Annaba (see also: Bona, Bône)	Algeria		36° 54' 00" N 7° 46' 00" E	0 m
Annobón (see Palé)	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m

Anomabo (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anomabu (see also: Anamabo, Anamaboe, Anamabu, Anamabu Castle, Anomabo, Anomabu Castle, Fort William)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anomabu Castle (see Anomabu)	Ghana		5° 10' 00" N 1° 07' 00" W	0 m
Anoront Sánga (see Anorotsangana)	Madagascar		13° 55' 00" S 47° 55' 00" E	0 m
Anoront Sánga (see Anorotsangana)	Madagascar		13° 54' 55" S 47° 55' 19" E	0 m
Anorontsanga (see Anorotsangana)	Madagascar		13° 55' 00" S 47° 55' 00" E	0 m
Anorontsangana (see Anorotsangana)	Madagascar		13° 55' 00" S 47° 55' 00" E	0 m
Anorontsangana (see Anorotsangana)	Madagascar		13° 54' 55" S 47° 55' 19" E	0 m
Anorotsangana (see also: Andranto, Anoront Sánga, Anorontsangana)	Madagascar		13° 54' 55" S 47° 55' 19" E	0 m
Anorotsangana (see also: Andranto, Anoront Sánga, Anorontsanga, Anorontsangana)	Madagascar		13° 55' 00" S 47° 55' 00" E	0 m
Aseb (see Assab)	Eritrea		13° 05' 30" N 42° 44' 22" E	0 m
Asonga, near Bata	Equatorial Guinea		1° 51' 00" N 9° 49' 00" E	0 m
Assab (see also: Aseb)	Eritrea		13° 05' 30" N 42° 44' 22" E	0 m
Banana (see also: Banane)	Congo (Democratic Republic of the)		6° 01' 00" S 12° 24' 00" E	0 m
Banane (see Banana)	Congo (Democratic Republic of the)		6° 01' 00" S 12° 24' 00" E	0 m
Banghazi (see also: Bengasi, Bengazi, Benghasi, Benghazi, Berenice, Binghazi, Hesperides)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Banjul (see also: Bathurst)	The Gambia		13° 27' 11" N 16° 34' 39" W	0 m
Baraawe (see also: Barawa, Barawe, Braawe, Brava, Brave)	Somalia		1° 06' 00" N 44° 03' 00" E	0 m
Barawa (see Baraawe)	Somalia		1° 06' 00" N 44° 03' 00" E	0 m
Barawe (see Baraawe)	Somalia		1° 06' 00" N 44° 03' 00" E	0 m
Basoalo (see Basuala)	Equatorial Guinea		3° 38' 00" N 8° 56' 00" E	0 m
Basse (see Basse Santa Su)	The Gambia		13° 19' 00" N 14° 13' 00" W	0 m
Basse Santa Su (see also: Basse)	The Gambia		13° 19' 00" N 14° 13' 00" W	0 m
Basuala (see also: Basoalo)	Equatorial Guinea		3° 38' 00" N 8° 56' 00" E	0 m
Bathurst (see Banjul)	The Gambia		13° 27' 11" N 16° 34' 39" W	0 m
Bat's Cave, 5 km S, 7.5 km W Nahoon Point (see also: Nahoon Point, 5 km S, 7.5 km W)	South Africa		33° 02' 45" S 27° 52' 05" E	0 m
Bat's Cave, Mission Rocks (see Mission Rocks Bats Cave), 12 km N, 8 km E St. Lucia Estuary	South Africa		28° 16' 00" S 32° 30' 00" E	0 m
Béjaïa (see also: Bejaia, Bgayet, Bidzaja, Bijaya, Bougie, Saldae)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Bejaia (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Bengasi (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Bengazi (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Benghasi (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Benghazi (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Bengoué (see also: Bengoue)	Gabon		0° 58' 00" S 9° 11' 00" E	0 m
Bengoue (see Bengoué)	Gabon		0° 58' 00" S 9° 11' 00" E	0 m
Berenice (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Bgayet (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Bibundi	Cameroon		4° 13' 00" N 8° 59' 00" E	0 m
Bidzaja (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Bijaya (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Binghazi (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Bissao (see Bissau)	Guinea-Bissau		11° 51' 00" N 15° 35' 00" W	0 m
Bissau (see also: Bissao, São José de Bissáu)	Guinea-Bissau		11° 51' 00" N 15° 35' 00" W	0 m
Boanamary, 3 km NE	Madagascar	ca.	15° 50' 00" S 46° 19' 00" E	0 m
Bolama (see also: Boloma, Bulama, Port Beaver)	Guinea-Bissau		11° 35' 00" N 15° 28' 00" W	0 m
Boloma (see Bolama)	Guinea-Bissau		11° 35' 00" N 15° 28' 00" W	0 m
Bona (see Annaba)	Algeria		36° 54' 00" N 7° 46' 00" E	0 m
Bône (see Annaba)	Algeria		36° 54' 00" N 7° 46' 00" E	0 m
Bootry (see Butre)	Ghana		4° 49' 00" N 1° 55' 00" W	0 m
Bougie (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
Boutry River (see Butre)	Ghana		4° 49' 00" N 1° 55' 00" W	0 m
Braawe (see Baraawe)	Somalia		1° 06' 00" N 44° 03' 00" E	0 m

Brava (see Baraawe)	Somalia	1° 06' 00" N 44° 03' 00" E	0 m
Brave (see Baraawe)	Somalia	1° 06' 00" N 44° 03' 00" E	0 m
Bredasdorp, 16.2 km S, 17.8 km W (see Waenhuiskrans Overhangs)	South Africa	34° 40' 44" S 20° 14' 04" E	0 m
Bulama (see Bolama)	Guinea-Bissau	11° 35' 00" N 15° 28' 00" W	0 m
Bumbwini	Tanzania	5° 58' 00" S 39° 12' 00" E	0 m
Bunge (see Bungi), Zanzibar	Tanzania	6° 16' 00" S 39° 20' 00" E	0 m
Bungi, Zanzibar (see also: Bunge)	Tanzania	6° 16' 00" S 39° 20' 00" E	0 m
Butre (see also: Bootry, Boutry River, Butrl)	Ghana	4° 49' 00" N 1° 55' 00" W	0 m
Butrl (see Butre)	Ghana	4° 49' 00" N 1° 55' 00" W	0 m
Cabaceira (see Cabaceira Pequena)	Mozambique	15° 00' 40" S 40° 45' 58" E	0 m
Cabaceira Pequena (see also: Cabaceira)	Mozambique	15° 00' 40" S 40° 45' 58" E	0 m
Cabo Corso (see Cape Coast)	Ghana	5° 06' 00" N 1° 15' 00" W	0 m
Cacongo (see also: Guilherme Capelo, Lândana, Vila Guilherme Capelo)	Angola	5° 14' 00" S 12° 09' 00" E	0 m
Campo (see also: Campo Aka, Kampo)	Cameroon	2° 22' 00" N 9° 49' 00" E	0 m
Campo Aka (see Campo)	Cameroon	2° 22' 00" N 9° 49' 00" E	0 m
Cape Coast (see also: Cabo Corso, Cape Coast Castle, Igua Ogwa, Ogwa)	Ghana	5° 06' 00" N 1° 15' 00" W	0 m
Cape Coast Castle (see Cape Coast)	Ghana	5° 06' 00" N 1° 15' 00" W	0 m
Cartago (see Carthage)	Tunisia	36° 51' 15" N 10° 19' 49" E	0 m
Carthage (see also: Cartago, Qartajannah)	Tunisia	36° 51' 15" N 10° 19' 49" E	0 m
Catió	Guinea-Bissau	11° 17' 00" N 15° 15' 00" W	0 m
Ceasar's Beach (see Monrovia)	Liberia	6° 18' 38" N 10° 48' 17" W	0 m
Cette Cama (see Setté Cama)	Gabon	2° 32' 00" S 9° 45' 00" E	0 m
Chirove primary school (see Pomoni)	Comoro Islands	12° 16' 15" S 44° 23' 52" E	0 m
Chisimaio (see Kismaayo)	Somalia	0° 22' 00" S 42° 32' 00" E	0 m
Chisimayu (see Kismaayo)	Somalia	0° 22' 00" S 42° 32' 00" E	0 m
Chuaka	Tanzania	5° 23' 00" S 39° 47' 00" E	0 m
Ciudad de Malabo (see Malabo)	Equatorial Guinea	3° 45' 04" N 8° 44' 31" E	0 m
Ciudad de Pali (see Palé)	Equatorial Guinea	1° 24' 25" S 5° 38' 00" E	0 m
Conakry (see also: Konakri, Konakry)	Guinea	9° 30' 33" N 13° 42' 44" W	0 m
Dar es Salaam (see also: Dar es Salaam University, Dar es Salam, Dar-es-Salaam, University of Dar es Salaam)	Tanzania	6° 48' 00" S 39° 17' 00" E	0 m
Dar es Salam (see Dar es Salaam)	Tanzania	6° 48' 00" S 39° 17' 00" E	0 m
Dar-es-Salaam (see Dar es Salaam)	Tanzania	6° 48' 00" S 39° 17' 00" E	0 m
De Nysna (see Knysna)	South Africa	34° 02' 00" S 23° 02' 00" E	0 m
Dena (see Elmina)	Ghana	5° 05' 00" N 1° 21' 00" W	0 m
Djibouti (see also: Djibuti, Gibuti, Jibouti, Jibuti)	Djibouti	11° 35' 42" N 43° 08' 53" E	0 m
Djibuti (see Djibouti)	Djibouti	11° 35' 42" N 43° 08' 53" E	0 m
Douala (see also: Doula, Duala)	Cameroon	4° 02' 49" N 9° 42' 30" E	0 m
Doula (see Douala)	Cameroon	4° 02' 49" N 9° 42' 30" E	0 m
Duala (see Douala)	Cameroon	4° 02' 49" N 9° 42' 30" E	0 m
Durunka (see Durunkah)	Egypt	27° 08' 19" N 31° 10' 31" E	0 m
Durunkah (see also: Durunka)	Egypt	27° 08' 19" N 31° 10' 31" E	0 m
Ecole primaire de Chirove (see Pomoni)	Comoro Islands	12° 16' 00" S 44° 24' 00" E	0 m
Edina (see Elmina)	Ghana	5° 05' 00" N 1° 21' 00" W	0 m
Egyambra (see Ajemra)	Ghana	4° 49' 00" N 2° 11' 00" W	0 m
Elemina (see Elmina)	Ghana	5° 05' 00" N 1° 21' 00" W	0 m
El-Giagbúb (see Al Jaghbub)	Libya	29° 44' 33" N 24° 31' 04" E	0 m
Elmina (see also: Dena, Edina, Elemina, Fort St. George, Saint George Del Mina, St. George d'Elmina)	Ghana	5° 05' 00" N 1° 21' 00" W	0 m
Evongo (see Uvongo Beach)	South Africa	30° 50' 00" S 30° 24' 00" E	0 m
Faradofay (see Tolanaro)	Madagascar	25° 02' 00" S 47° 00' 00" E	0 m
Fernan Vaz (see Omboué)	Gabon	1° 34' 00" S 9° 15' 00" E	0 m
Fernand-Vaz (see Omboué)	Gabon	1° 34' 00" S 9° 15' 00" E	0 m
Fernão Dias, on Río de Ouro	São Tomé and Principé	0° 24' 23" N 6° 40' 27" E	0 m
Fort Bladenburg (see Princes Town)	Ghana	4° 47' 36" N 2° 08' 04" W	0 m
Fort St. George (see Elmina)	Ghana	5° 05' 00" N 1° 21' 00" W	0 m
Fort William (see Anomabu)	Ghana	5° 10' 00" N 1° 07' 00" W	0 m

Foulpointe (see Mahavelona)	Madagascar		17° 41' 00" S 49° 31' 00" E	0 m
Freetown, 10 km from (see Lumley Village)	Sierra Leone		8° 27' 14" N 13° 16' 57" W	0 m
Freetown, 14 km from (see Aberdeen Village)	Sierra Leone		8° 29' 33" N 13° 17' 04" W	0 m
Fufuni	Tanzania		5° 26' 00" S 39° 41' 00" E	0 m
Gabès, Qabis province (see also: Abes, Kabis, Qabes, Qabis, Tacapae, Tacape)	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Giarabub (see Al Jaghbub)	Libya		29° 44' 33" N 24° 31' 04" E	0 m
Gibuti (see Djibouti)	Djibouti		11° 35' 42" N 43° 08' 53" E	0 m
Greenville (see also: Sino, Sinoe, Sinu, Sinu Village)	Liberia		5° 00' 40" N 9° 02' 20" W	0 m
Guilherme Capelo (see Cacongo)	Angola		5° 14' 00" S 12° 09' 00" E	0 m
Hadrumetum (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Hayyou (see Obock)	Djibouti		11° 57' 47" N 43° 17' 26" E	0 m
Hell-Ville (see Andoany)	Madagascar		13° 24' 00" S 48° 16' 00" E	0 m
Hell-Ville, 3 km N (see Andoany, 3 km N)	Madagascar	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Helville (see Andoany)	Madagascar		13° 24' 00" S 48° 16' 00" E	0 m
Helville, 3 km N (see Andoany, 3 km N)	Madagascar	ca.	13° 24' 00" S 48° 16' 00" E	0 m
Hesperides (see Banghazi)	Libya		32° 07' 00" N 20° 04' 00" E	0 m
Igua Ogwa (see Cape Coast)	Ghana		5° 06' 00" N 1° 15' 00" W	0 m
Itsamia, primary school and torture building	Comoro Islands		12° 21' 51" S 43° 52' 04" E	0 m
Jaghbub (see Al Jaghbub)	Libya		29° 44' 33" N 24° 31' 04" E	0 m
Jibouti (see Djibouti)	Djibouti		11° 35' 42" N 43° 08' 53" E	0 m
Jibuti (see Djibouti)	Djibouti		11° 35' 42" N 43° 08' 53" E	0 m
Kabis (see Gabès), Qabis province	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Kalifi (see Kilifi)	Kenya		3° 38' 00" S 39° 51' 00" E	0 m
Kampo (see Campo)	Cameroon		2° 22' 00" N 9° 49' 00" E	0 m
Kau	Kenya		2° 29' 20" S 40° 27' 07" E	0 m
Kent	Sierra Leone		8° 09' 57" N 13° 10' 00" W	0 m
Kichanjane (see Kichanjani)	Tanzania		5° 27' 00" S 38° 59' 00" E	0 m
Kichanjani (see also: Kichanjane)	Tanzania		5° 27' 00" S 38° 59' 00" E	0 m
Kikambala	Kenya		3° 54' 00" S 39° 47' 00" E	0 m
Kilifi cave	Kenya		3° 38' 00" S 39° 51' 00" E	0 m
Kilindini	Kenya		4° 04' 00" S 39° 40' 00" E	0 m
Kingsborough (see also: Kingsburgh)	South Africa		30° 05' 00" S 30° 52' 00" E	0 m
Kipini	Kenya		2° 31' 31" S 40° 31' 46" E	0 m
Kisimayo (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kisimayu (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismaanyo (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismaayo (see also: Chisimaio, Chisimayu, Kisimayo, Kisimayu, Kismaanyo, Kismaju, Kismanyó, Kismayo, Kismayu)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismaju (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismanyó (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismayo (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kismayu (see Kismaayo)	Somalia		0° 22' 00" S 42° 32' 00" E	0 m
Kizimkazi, Zanzibar (see also: Kizimkazi Mkunguni, Mkunguni)	Tanzania		6° 27' 00" S 39° 28' 00" E	0 m
Kizimkazi Mkunguni (see Kizimkazi), Zanzibar	Tanzania		6° 27' 00" S 39° 28' 00" E	0 m
Klein Batanga (see Petit Batanga)	Cameroon		3° 11' 55" N 9° 55' 36" E	0 m
Knysna (see also: De Nysna, Millwood Goldmine (museum))	South Africa		34° 02' 00" S 23° 02' 00" E	0 m
Kobani (see Mkoani)	Tanzania		5° 22' 00" S 39° 39' 00" E	0 m
Kokotoni (see Mkokotoni), Zanzibar	Tanzania		5° 52' 00" S 39° 15' 00" E	0 m
Konakri (see Conakry)	Guinea		9° 30' 33" N 13° 42' 44" W	0 m
Konakry (see Conakry) (see also: Great Forest of the East)	Guinea		9° 30' 33" N 13° 42' 44" W	0 m
Kontaur (see Kuntaur)	The Gambia		13° 40' 00" N 14° 53' 00" W	0 m
Koseir (see Al Qusayr)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Kuntaur (see also: Kontaur)	The Gambia		13° 40' 00" N 14° 53' 00" W	0 m
Lândana (see Cacongo) (see also: Landana)	Angola		5° 14' 00" S 12° 09' 00" E	0 m
Landana (see Lândana)	Angola		5° 14' 00" S 12° 09' 00" E	0 m
Les Andalouses, 20 km W Oran (see also: Oran, 20 km W)	Algeria		35° 42' 16" N 0° 53' 33" W	0 m
Leucus Limen (see Al Qusayr)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Lindi	Tanzania		10° 00' 00" S 39° 43' 00" E	0 m
Little Batanga (see Petit Batanga)	Cameroon		3° 11' 55" N 9° 55' 36" E	0 m
Longa (see Tanga)	Tanzania		5° 04' 00" S 39° 06' 00" E	0 m
Lumbo	Mozambique		15° 00' 38" S 40° 39' 59" E	0 m

Lumley Village, 10 km from Freetown (see also: Freetown, 10 km from, Pasandi)	Sierra Leone	8° 27' 14" N 13° 16' 57" W	0 m
Macovane	Mozambique	21° 29' 20" S 35° 03' 23" E	0 m
Mahavelona (see also: Foulpointe)	Madagascar	17° 41' 00" S 49° 31' 00" E	0 m
Mahé (see Victoria)	Seychelle Islands	4° 37' 00" S 55° 27' 00" E	0 m
Malaba (see Malabo)	Equatorial Guinea	3° 45' 04" N 8° 44' 31" E	0 m
Malabo (see also: Ciudad de Malabo, Malaba, Port Clarence, Rev Malebo, Santa Isabel)	Equatorial Guinea	3° 45' 04" N 8° 44' 31" E	0 m
Malabo International Airport (10 km from Malabo)	Equatorial Guinea	3° 45' 28" N 8° 42' 57" E	0 m
Malindi	Kenya	3° 13' 00" S 40° 07' 00" E	0 m
Mawaila (see Al Muwayli?), Red Sea Coast	Saudi Arabia	27° 41' 00" N 35° 28' 00" E	0 m
Mbongé (see also: M'bonge)	Cameroon	4° 32' 11" N 9° 06' 40" E	0 m
M'bonge (see Mbongé)	Cameroon	4° 32' 11" N 9° 06' 40" E	0 m
Mbour (see also: M'Bour, Mbur)	Senegal	14° 24' 00" N 16° 58' 00" W	0 m
M'Bour (see Mbour)	Senegal	14° 24' 00" N 16° 58' 00" W	0 m
Mbur (see Mbour)	Senegal	14° 24' 00" N 16° 58' 00" W	0 m
Mbweni, Zanzibar	Tanzania	6° 13' 00" S 39° 12' 00" E	0 m
Mgogoni	Tanzania	5° 00' 00" S 39° 44' 00" E	0 m
Mission Rocks Bats Cave, 16 km N S. Lucia estuary (see also: Bat's Cave, Mission Rocks, St. Lucia Estuary, 12 km N, 8 km E, St. Lucia estuary, 16 km N)	South Africa	28° 16' 00" S 32° 30' 00" E	0 m
Mkoani (see also: Kobani)	Tanzania	5° 22' 00" S 39° 39' 00" E	0 m
Mkokotoni, Zanzibar (see also: Kokotoni)	Tanzania	5° 52' 00" S 39° 15' 00" E	0 m
Mkunguni (see Kizimkazi), Zanzibar	Tanzania	6° 27' 00" S 39° 28' 00" E	0 m
Moanda (see Muanda)	Congo (Democratic Republic of the)	5° 56' 00" S 12° 21' 00" E	0 m
Mobange-Isongo (see also: Mubange, Mubenge)	Cameroon	4° 05' 00" N 9° 00' 00" E	0 m
Moebase (see also: Moebaze)	Mozambique	17° 03' 47" S 38° 41' 39" E	0 m
Moebaze (see Moebase)	Mozambique	17° 03' 47" S 38° 41' 39" E	0 m
Mohila (see Al Muwayli?), Red Sea Coast	Saudi Arabia	27° 41' 00" N 35° 28' 00" E	0 m
Mojoni (see Muyuni), Zanzibar	Tanzania	6° 22' 00" S 39° 28' 00" E	0 m
Mombas (see Mombasa)	Kenya	4° 03' 00" S 39° 40' 00" E	0 m
Mombasa (see also: Mombas, Mombassa, Mvita)	Kenya	4° 03' 00" S 39° 40' 00" E	0 m
Mombassa (see Mombasa)	Kenya	4° 03' 00" S 39° 40' 00" E	0 m
Monrovia (see also: Ceasar's Beach)	Liberia	6° 18' 38" N 10° 48' 17" W	0 m
Mowila (see Al Muwayli?), Red Sea Coast	Saudi Arabia	27° 41' 00" N 35° 28' 00" E	0 m
Moya, primary school	Comoro Islands	12° 18' 24" S 44° 26' 16" E	0 m
Muanda (see also: Moanda)	Congo (Democratic Republic of the)	5° 56' 00" S 12° 21' 00" E	0 m
Mubange (see Mobange-Isongo)	Cameroon	4° 05' 00" N 9° 00' 00" E	0 m
Mubenge (see Mobange-Isongo)	Cameroon	4° 05' 00" N 9° 00' 00" E	0 m
Muyuni, Zanzibar (see also: Mojoni)	Tanzania	6° 22' 00" S 39° 28' 00" E	0 m
Mvita (see Mombasa)	Kenya	4° 03' 00" S 39° 40' 00" E	0 m
Nahoon Point, 5 km S, 7.5 km W (see Bat's Cave)	South Africa	33° 02' 45" S 27° 52' 05" E	0 m
Ndar (see St-Louis)	Senegal	16° 01' 56" N 16° 37' 00" W	0 m
N'Gomo (see also: Ngomo)	Gabon	0° 49' 00" S 9° 57' 00" E	0 m
Ngomo (see N'Gomo)	Gabon	0° 49' 00" S 9° 57' 00" E	0 m
Niomachoi (see Nioumachoua), primary school	Comoro Islands	12° 21' 41" S 43° 42' 55" E	0 m
Nioumachoi (see Nioumachoua), primary school	Comoro Islands	12° 21' 41" S 43° 42' 55" E	0 m
Nioumachoua, primary school (see also: Niomachoi, Nioumachoi, Nioumgchoi, Numa Choa)	Comoro Islands	12° 21' 41" S 43° 42' 55" E	0 m
Nioumgchoi (see Nioumachoua), primary school	Comoro Islands	12° 21' 41" S 43° 42' 55" E	0 m
Nouakchat (see Nouakchott)	Mauritania	18° 07' 10" N 16° 02' 26" W	0 m
Nouakchot (see Nouakchott)	Mauritania	18° 07' 10" N 16° 02' 26" W	0 m
Nouakchott (see also: Nouakchat, Nouakchot)	Mauritania	18° 07' 10" N 16° 02' 26" W	0 m
Numa Choa (see Nioumachoua), primary school	Comoro Islands	12° 21' 41" S 43° 42' 55" E	0 m
Nungoa (see Nungua)	Ghana	5° 36' 00" N 0° 04' 00" W	0 m
Nungua (see also: Nungoa, Nungwa)	Ghana	5° 36' 00" N 0° 04' 00" W	0 m
Nungwa (see Nungua)	Ghana	5° 36' 00" N 0° 04' 00" W	0 m

Obock (see also: Hayyou, Obok)	Djibouti		11° 57' 47" N 43° 17' 26" E	0 m
Obok (see Obock)	Djibouti		11° 57' 47" N 43° 17' 26" E	0 m
Ogwa (see Cape Coast)	Ghana		5° 06' 00" N 1° 15' 00" W	0 m
Omboué (see also: Fernan Vaz, Fernand-Vaz)	Gabon		1° 34' 00" S 9° 15' 00" E	0 m
Oos-Londen (see East London)	South Africa		33° 00' 00" S 27° 55' 00" E	0 m
Oyster Bay	Tanzania		6° 47' 00" S 39° 17' 00" E	0 m
Palé (see also: Ambo, Annobón, Ciudad de Pali, San Antonio, San Antonio de Palé)	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m
Pasandi (see Lumley Village), 10 km from Freetown	Sierra Leone		8° 27' 14" N 13° 16' 57" W	0 m
Petit Batanga (see also: Klein Batanga, Little Batanga)	Cameroon		3° 11' 55" N 9° 55' 36" E	0 m
Pomoni (see also: Chirove primary school, Ecole primaire de Chirove, Pomony)	Comoro Islands		12° 16' 15" S 44° 23' 52" E	0 m
Pomony (see Pomoni)	Comoro Islands		12° 16' 15" S 44° 23' 52" E	0 m
Port Beaver (see Bolama)	Guinea-Bissau		11° 35' 00" N 15° 28' 00" W	0 m
Port Clarence (see Malabo)	Equatorial Guinea		3° 45' 04" N 8° 44' 31" E	0 m
Port Shepstone	South Africa		30° 44' 29" S 30° 27' 18" E	0 m
Port Victoria (see Victoria)	Seychelle Islands		4° 37' 00" S 55° 27' 00" E	0 m
Prince (see Princes Town)	Ghana		4° 47' 36" N 2° 08' 04" W	0 m
Princes Town (see also: Fort Bladenburg, Prince, Princes Town, 7 mi [=11.3 km] N)	Ghana		4° 47' 36" N 2° 08' 04" W	0 m
Princes Town, 7 mi [=11.3 km] N (see Princes Town) (see also: Prince's Town, 7 mi [=11.3 km] N)	Ghana	ca.	4° 53' 44" N 2° 08' 29" W	0 m
Qabes (see Gabès), Qabis province	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Qabis (see Gabès), Qabis province	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Qartajannah (see Carthage)	Tunisia		36° 51' 15" N 10° 19' 49" E	0 m
Qosier (see Al Qusayr)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Qosseir (see Al Qusayr)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Quelimane (see also: Quilimane)	Mozambique		17° 52' 43" S 36° 53' 18" E	0 m
Quilimane (see Quelimane)	Mozambique		17° 52' 43" S 36° 53' 18" E	0 m
Quseir (see Al Qusayr)	Egypt		26° 06' 00" N 34° 17' 00" E	0 m
Rev Malebo (see Malabo) (see also: Itama mine)	Equatorial Guinea		0° 59' 00" S 29° 41' 00" E	0 m
Saint George Del Mina (see Elmina)	Ghana		5° 05' 00" N 1° 21' 00" W	0 m
Saint-Louis	Senegal		16° 01' 56" N 16° 29' 30" W	0 m
Saldae (see Béjaïa)	Algeria		36° 45' 21" N 5° 05' 03" E	0 m
San Antonio (see Palé)	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m
San Antonio de Palé (see Palé)	Equatorial Guinea		1° 24' 25" S 5° 38' 00" E	0 m
San Juan	Equatorial Guinea		1° 25' 00" S 5° 38' 00" E	0 m
San Pedro	Equatorial Guinea		1° 26' 04" S 5° 39' 06" E	0 m
SanLuis (see St-Louis)	Senegal		16° 01' 56" N 16° 37' 00" W	0 m
Santa Isabel (see Malabo)	Equatorial Guinea		3° 45' 04" N 8° 44' 31" E	0 m
São José de Bissáu (see Bissau)	Guinea-Bissau		11° 51' 00" N 15° 35' 00" W	0 m
Sarodrano	Madagascar		23° 30' 37" S 43° 44' 07" E	0 m
Sekondi	Ghana		4° 56' 00" N 1° 42' 00" W	0 m
Setté Cama (see also: Cette Cama)	Gabon		2° 32' 00" S 9° 45' 00" E	0 m
Shimani (see Shimoni)	Kenya		4° 38' 50" S 39° 23' 00" E	0 m
Shimoni, 50 mi S of Mombasa (see also: Shimani)	Kenya		4° 38' 50" S 39° 23' 00" E	0 m
Shimoni cave	Kenya		4° 38' 50" S 39° 23' 00" E	0 m
Simon's Town (see also: Simonstad, Simonstown)	South Africa		34° 11' 00" S 18° 26' 00" E	0 m
Simonstad (see Simon's Town)	South Africa		34° 11' 00" S 18° 26' 00" E	0 m
Simonstown (see Simon's Town)	South Africa		34° 11' 00" S 18° 26' 00" E	0 m
Simpa (see Winneba)	Ghana		5° 20' 00" N 0° 37' 00" W	0 m
Sino (see Greenville)	Liberia		5° 00' 40" N 9° 02' 20" W	0 m
Sinoe (see Greenville)	Liberia		5° 00' 40" N 9° 02' 20" W	0 m
Sinu (see Greenville)	Liberia		5° 00' 40" N 9° 02' 20" W	0 m
Sinu Village (see Greenville)	Liberia		5° 00' 40" N 9° 02' 20" W	0 m
Soalala	Madagascar		16° 06' 00" S 45° 19' 00" E	0 m
Sousa (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Souse (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Soussa (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Sousse (see also: Hadrumetum, Sousa, Souse, Soussa, Susa, Susah)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
St. George d'Elmina (see Elmina)	Ghana		5° 05' 00" N 1° 21' 00" W	0 m
St. Lucia Estuary, 12 km N, 8 km E (see Mission Rocks Bats Cave)	South Africa		28° 16' 00" S 32° 30' 00" E	0 m

St. Lucia estuary, 16 km N (see Mission Rocks Bats Cave)	South Africa		28° 16' 00" S 32° 30' 00" E	0 m
St-Louis (see St-Louis)	Senegal		16° 01' 56" N 16° 37' 00" W	0 m
(see also: Ndar, SanLuis, St-Louis)				
Susa (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Susah (see Sousse)	Tunisia		35° 49' 32" N 10° 38' 28" E	0 m
Tacapae (see Gabès), Qabis province	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Tacape (see Gabès), Qabis province	Tunisia		33° 53' 00" N 10° 07' 00" E	0 m
Tanga	Tanzania		5° 04' 00" S 39° 06' 00" E	0 m
(see also: Longa)				
Taolanara (see Tolanaro)	Madagascar		25° 02' 00" S 47° 00' 00" E	0 m
Tôlagnaro	Madagascar		25° 02' 00" S 47° 00' 00" E	0 m
Tolanaro (see Tolanaro)	Madagascar		25° 02' 00" S 47° 00' 00" E	0 m
Tongaat	South Africa		29° 34' 20" S 31° 07' 00" E	0 m
(see also: Tongaat Village, Victoria)				
Tongaat Village (see Tongaat)	South Africa		29° 34' 20" S 31° 07' 00" E	0 m
Tundau (see Tundaua)	Tanzania		5° 15' 00" S 39° 42' 00" E	0 m
Tundaua	Tanzania		5° 15' 00" S 39° 42' 00" E	0 m
(see also: Tundau)				
Tunes (see Tunis), Tunis wa al Ahwaz	Tunisia		36° 48' 10" N 10° 10' 47" E	0 m
Tunez (see Tunis), Tunis wa al Ahwaz	Tunisia		36° 48' 10" N 10° 10' 47" E	0 m
Tunis, Tunis wa al Ahwaz	Tunisia		36° 48' 10" N 10° 10' 47" E	0 m
(see also: Tunes, Tunez, Tunisi, Tunis-Ville)				
Tunisi (see Tunis), Tunis wa al Ahwaz	Tunisia		36° 48' 10" N 10° 10' 47" E	0 m
Tunis-Ville (see Tunis), Tunis wa al Ahwaz	Tunisia		36° 48' 10" N 10° 10' 47" E	0 m
Usagara	Tanzania		5° 05' 00" S 39° 07' 00" E	0 m
(see also: Ussagara)				
Ussagara (see Usagara)	Tanzania		5° 05' 00" S 39° 07' 00" E	0 m
Uvinza (see Uvira)	Congo (Democratic Republic of the)		3° 24' 24" S 29° 08' 45" E	0 m
Uvira	Congo (Democratic Republic of the)		3° 24' 24" S 29° 08' 45" E	0 m
(see also: Uvinza)				
Uvongo (see Uvongo Beach)	South Africa		30° 50' 00" S 30° 24' 00" E	0 m
Uvongo Beach, in Eucalyptus plantation	South Africa		30° 50' 00" S 30° 24' 00" E	0 m
(see also: Evongo, Uvongo, Uvongostrand)				
Uvongostrand (see Uvongo Beach)	South Africa		30° 50' 00" S 30° 24' 00" E	0 m
Victoria	Seychelle Islands		4° 37' 00" S 55° 27' 00" E	0 m
(see also: Mahé, Port Victoria)				
Victoria (see Tongaat)	South Africa		29° 34' 20" S 31° 07' 00" E	0 m
Vila Guilherme Capelo (see Cacongo)	Angola		5° 14' 00" S 12° 09' 00" E	0 m
Vilanculos (see Vilankulo)	Mozambique		22° 00' 00" S 35° 19' 00" E	0 m
Vilankulo	Mozambique		22° 00' 00" S 35° 19' 00" E	0 m
(see also: Vilanculos, Villacuios)				
Villacuios (see Vilankulo)	Mozambique		22° 00' 00" S 35° 19' 00" E	0 m
Waenhuiskrans Cliffs (see Waenhuiskrans Overhangs)	South Africa		34° 40' 44" S 20° 14' 04" E	0 m
Waenhuiskrans Overhangs, 16.2 km S, 17.8 km W Bredasdorp	South Africa		34° 40' 44" S 20° 14' 04" E	0 m
(see also: Bredasdorp, 16.2 km S, 17.8 km W, Waenhuiskrans Cliffs)				
Watamu	Kenya		3° 21' 00" S 40° 01' 00" E	0 m
(see also: Watamu Beach)				
Watamu Beach (see Watamu)	Kenya		3° 21' 00" S 40° 01' 00" E	0 m
Wentworth	South Africa		29° 55' 20" S 30° 59' 51" E	0 m
Wete	Tanzania		5° 04' 00" S 39° 43' 00" E	0 m
(see also: Wetu)				
Wetu (see Wete)	Tanzania		5° 04' 00" S 39° 43' 00" E	0 m
Winneba	Ghana		5° 20' 00" N 0° 37' 00" W	0 m
(see also: Simpa, Winnebah)				
Winnebah (see Winneba)	Ghana		5° 20' 00" N 0° 37' 00" W	0 m
York	Sierra Leone		8° 17' 08" N 13° 10' 48" W	0 m

1 - 100 m:

Amu (see Lamu)	Kenya		2° 16' 42" S 40° 54' 12" E	1 m
Amu Town, NW of (see Lamu (town), NW of)	Kenya	ca.	2° 16' 42" S 40° 54' 12" E	1 m
Chake Chake	Tanzania		5° 15' 00" S 39° 46' 00" E	1 m
(see also: Chakechake, Chaki Chaki)				
Chakechake (see Chake Chake)	Tanzania		5° 15' 00" S 39° 46' 00" E	1 m
Chaki Chaki (see Chake Chake)	Tanzania		5° 15' 00" S 39° 46' 00" E	1 m
Cow Shed Royal Farms (see Idfina)	Egypt		31° 17' 37" N 30° 30' 45" E	1 m
Edfina (see Idfina)	Egypt		31° 17' 37" N 30° 30' 45" E	1 m
Fadiout (see Joal-Fadiout)	Senegal		14° 10' 00" N 16° 50' 00" W	1 m
Fadiouth (see Joal-Fadiout)	Senegal		14° 10' 00" N 16° 50' 00" W	1 m
Frere Town	Kenya		4° 01' 00" S 39° 42' 00" E	1 m
Gobabeb, 19 mi [=30.5 km] (see Swakopmund)	Namibia		23° 41' 00" S 14° 32' 00" E	1 m

Gunnal	Guinea-Bissau		12° 18' 40" N 15° 47' 22" W	1 m
Idfina	Egypt		31° 17' 37" N 30° 30' 45" E	1 m
(see also: Cow Shed Royal Farms, Edfina, Rosetta, 8 mi [=12.9 km] SW)				
Inhambane	Mozambique		23° 51' 54" S 35° 23' 00" E	1 m
Joal (see Joal-Fadiout)	Senegal		14° 10' 00" N 16° 50' 00" W	1 m
Joal-Fadiout	Senegal		14° 10' 00" N 16° 50' 00" W	1 m
(see also: Fadiout, Fadiouth, Joal)				
Lamu	Kenya		2° 16' 42" S 40° 54' 12" E	1 m
(see also: Amu)				
Lamu (town), NW of	Kenya	ca.	2° 16' 42" S 40° 54' 12" E	1 m
(see also: Amu Town, NW of)				
Lombé, near Douala-Edéa Game Reserve	Cameroon		3° 38' 02" N 9° 59' 10" E	1 m
(see also: Lombe)				
Lombe (see Lombé), Douala-Edéa Game Reserve, near	Cameroon		3° 38' 02" N 9° 59' 10" E	1 m
Maziwa Ngombe	Tanzania		4° 58' 51" S 39° 52' 03" E	1 m
(see also: Maziwa ya Ngombe, Maziwangombe)				
Maziwa ya Ngombe (see Maziwa Ngombe)	Tanzania		4° 58' 51" S 39° 52' 03" E	1 m
Maziwangombe (see Maziwa Ngombe)	Tanzania		4° 58' 51" S 39° 52' 03" E	1 m
Morondava	Madagascar		20° 17' 00" S 44° 17' 00" E	1 m
Mwanamakuku cave (see Pujini village)	Tanzania		5° 18' 00" S 39° 48' 00" E	1 m
Nabeul	Tunisia		36° 27' 00" N 10° 44' 00" E	1 m
(see also: Naboel, Nabul)				
Naboel (see Nabeul)	Tunisia		36° 27' 00" N 10° 44' 00" E	1 m
Nabul (see Nabeul)	Tunisia		36° 27' 00" N 10° 44' 00" E	1 m
Ngomeni	Kenya		3° 00' 12" S 40° 11' 28" E	1 m
Ole	Tanzania		5° 11' 00" S 39° 49' 00" E	1 m
Pointe Noire (see Pointe-Noire)	Congo		4° 47' 41" S 11° 50' 46" E	1 m
Pointe-Noire	Congo		4° 47' 41" S 11° 50' 46" E	1 m
(see also: Pointe Noire)				
Port-Gentil	Gabon		0° 43' 00" S 8° 47' 00" E	1 m
Pujini village	Tanzania		5° 18' 00" S 39° 48' 00" E	1 m
(see also: Mwanamakuku cave)				
Rosetta, 8 mi [=12.9 km] SW (see Idfina)	Egypt		31° 17' 37" N 30° 30' 45" E	1 m
Stilbaai, Riversdale	South Africa		34° 22' 00" S 21° 25' 00" E	1 m
(see also: Still Bay, Stillbaai)				
Still Bay (see Stilbaai)	South Africa		34° 22' 00" S 21° 25' 00" E	1 m
Stillbaai (see Stilbaai)	South Africa		34° 22' 00" S 21° 25' 00" E	1 m
Swakopmund, 19 mi from Gobabeb	Namibia		23° 41' 00" S 14° 32' 00" E	1 m
(see also: Gobabeb, 19 mi [=30.5 km])				
Al Qulzum (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
As Suways	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
(see also: Al Qulzum, Clysma, El Seweis, El Suweis, El-Qulzum, Es Suweis, Klysma, Suës, Suez)				
Bahig (see Bahij), West of Alexandria	Egypt		30° 56' 00" N 29° 35' 00" E	2 m
Bahig (see Bahij), West of Alexandria	Egypt		30° 56' 00" N 29° 35' 00" E	2 m
Bahij, West of Alexandria	Egypt		30° 56' 00" N 29° 35' 00" E	2 m
(see also: Bahig, Bahig)				
Candala (see Qandala)	Somalia		11° 28' 16" N 49° 52' 26" E	2 m
Clysma (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
Coular (see Koular)	Senegal		13° 41' 00" N 16° 11' 00" W	2 m
El Seweis (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
El Suweis (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
El-Qulzum (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
Es Suweis (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
Kandala (see Qandala)	Somalia		11° 28' 16" N 49° 52' 26" E	2 m
Klysma (see As Suways)	Egypt		29° 58' 00" N 32° 33' 00" E	2 m
Koular	Senegal		13° 41' 00" N 16° 11' 00" W	2 m
(see also: Coular, Koularbou, Kular)				
Koularbou (see Koular)	Senegal		13° 41' 00" N 16° 11' 00" W	2 m
Kular (see Koular)	Senegal		13° 41' 00" N 16° 11' 00" W	2 m
Lingnéré (see Linguère)	Senegal		15° 24' 00" N 15° 07' 00" W	2 m
Linguère	Senegal		15° 24' 00" N 15° 07' 00" W	2 m
(see also: Lingnéré, Lynguère)				
Lynguère (see Linguère)	Senegal		15° 24' 00" N 15° 07' 00" W	2 m
Malela, near Boma	Congo (Democratic Republic of the)		5° 59' 00" S 12° 37' 00" E	2 m
Manantenina	Madagascar		24° 17' 00" S 47° 19' 00" E	2 m
Meda (see Mida)	Kenya		3° 19' 00" S 39° 58' 00" E	2 m
Mida	Kenya		3° 19' 00" S 39° 58' 00" E	2 m
(see also: Meda)				
Nsiamfumu	Congo (Democratic Republic of the)		5° 52' 00" S 12° 17' 00" E	2 m
(see also: Vista)				
Qandala	Somalia		11° 28' 16" N 49° 52' 26" E	2 m
(see also: Candala, Kandala)				

Saylah (see Silah)	Egypt	29° 21' 22" N 30° 58' 08" E	2 m
Seila (see Silah)	Egypt	29° 21' 22" N 30° 58' 08" E	2 m
Silah (see also: Saylah, Seila)	Egypt	29° 21' 22" N 30° 58' 08" E	2 m
Suës (see As Suways)	Egypt	29° 58' 00" N 32° 33' 00" E	2 m
Suez (see As Suways)	Egypt	29° 58' 00" N 32° 33' 00" E	2 m
Ténès, West of Algiers	Algeria	36° 30' 40" N 1° 18' 43" E	2 m
Tiwi Beach, 25 km S Mombasa	Kenya	4° 14' 00" S 39° 35' 00" E	2 m
Vista (see Nsiamfumu)	Congo (Democratic Republic of the)	5° 52' 00" S 12° 17' 00" E	2 m
Adeane, 12 km SW (see Diabane), Casamance	Senegal	12° 32' 41" N 16° 05' 35" W	3 m
Ampasimanolotra (see also: Brickaville, Vohibinany)	Madagascar	18° 49' 00" S 49° 04' 00" E	3 m
Biskra, 51 km S (see Bordj de Chegga)	Algeria	34° 25' 00" N 5° 56' 00" E	3 m
Bordj Chegga (see Bordj de Chegga), 51 km S from Biskra	Algeria	34° 25' 00" N 5° 56' 00" E	3 m
Bordj de Chegga, 51 km S from Biskra (see also: Biskra, 51 km S, Bordj Chegga, Borj Chegga, Chaegga, Chegga)	Algeria	34° 25' 00" N 5° 56' 00" E	3 m
Borj Chegga (see Bordj de Chegga), 51 km S from Biskra	Algeria	34° 25' 00" N 5° 56' 00" E	3 m
Brickaville (see Ampasimanolotra)	Madagascar	18° 49' 00" S 49° 04' 00" E	3 m
Chaegga (see Bordj de Chegga), 51 km S from Biskra	Algeria	34° 25' 00" N 5° 56' 00" E	3 m
Chegga (see Bordj de Chegga), 51 km S from Biskra	Algeria	34° 25' 00" N 5° 56' 00" E	3 m
Cidade de Matola (see Matola)	Mozambique	25° 57' 44" S 32° 27' 32" E	3 m
Diabane, 12 km SW Adeane (see also: Adeane, 12 km SW)	Senegal	12° 32' 41" N 16° 05' 35" W	3 m
Fatick (see also: Fatik)	Senegal	14° 21' 29" N 16° 35' 09" W	3 m
Fatik (see Fatick)	Senegal	14° 21' 29" N 16° 35' 09" W	3 m
Gasi (see Gazi)	Kenya	4° 25' 00" S 39° 30' 00" E	3 m
Gaze (see Gazi)	Kenya	4° 25' 00" S 39° 30' 00" E	3 m
Gazi (see also: Gasi, Gaze)	Kenya	4° 25' 00" S 39° 30' 00" E	3 m
Mansôa (see also: Mansoa, Porto Mansoa)	Guinea-Bissau	12° 04' 24" N 15° 19' 08" W	3 m
Mansoa (see Mansôa)	Guinea-Bissau	12° 04' 24" N 15° 19' 08" W	3 m
Matola (see also: Cidade de Matola, Vila Salazar)	Mozambique	25° 57' 44" S 32° 27' 32" E	3 m
Porto Mansoa (see Mansôa)	Guinea-Bissau	12° 04' 24" N 15° 19' 08" W	3 m
Samanga (see Somanga)	Tanzania	8° 24' 00" S 39° 17' 00" E	3 m
Somanga (see also: Samanga)	Tanzania	8° 24' 00" S 39° 17' 00" E	3 m
Vila Salazar (see Matola)	Mozambique	25° 57' 44" S 32° 27' 32" E	3 m
Vohibinany (see Ampasimanolotra)	Madagascar	18° 49' 00" S 49° 04' 00" E	3 m
Al Iskandariyah (see also: Alessandria, Alexandria, Alexandrie, El Iskandariya, Iskandarîya, Iskindiriya)	Egypt	31° 11' 53" N 29° 55' 09" E	4 m
Alessandria (see Al Iskandariyah)	Egypt	31° 11' 53" N 29° 55' 09" E	4 m
Alexandria (see Al Iskandariyah)	Egypt	31° 11' 53" N 29° 55' 09" E	4 m
Alexandrie (see Al Iskandariyah)	Egypt	31° 11' 53" N 29° 55' 09" E	4 m
El Iskandariya (see Al Iskandariyah)	Egypt	31° 11' 53" N 29° 55' 09" E	4 m
Georgetown (see Janjanbureh), MacCarthy Island	The Gambia	13° 32' 00" N 14° 46' 00" W	4 m
Hoja Wajeer (see also: Ola Uager, Uaiore, Wayore)	Somalia	1° 14' 00" N 41° 32' 00" E	4 m
Iskandarîya (see Al Iskandariyah)	Egypt	31° 11' 53" N 29° 55' 09" E	4 m
Iskindiriya (see Al Iskandariyah)	Egypt	31° 11' 53" N 29° 55' 09" E	4 m
Jangjangbureh (see Janjanbureh), MacCarthy Island	The Gambia	13° 32' 00" N 14° 46' 00" W	4 m
Janjanbureh, MacCarthy Island (see also: Georgetown, Jangjangbureh, Old Fort George)	The Gambia	13° 32' 00" N 14° 46' 00" W	4 m
Maio (see Vila do Maio)	Cape Verde	15° 08' 00" N 23° 13' 00" W	4 m
Mission Rocks	South Africa	28° 15' 36" S 32° 29' 48" E	4 m
Nossa Senhora da Luz (see Vila do Maio)	Cape Verde	15° 08' 00" N 23° 13' 00" W	4 m
Ola Uager (see Hoja Wajeer)	Somalia	1° 14' 00" N 41° 32' 00" E	4 m
Old Fort George (see Janjanbureh), MacCarthy Island	The Gambia	13° 32' 00" N 14° 46' 00" W	4 m
Poenskop, 3.3 km N, 6.1 km E Port St. Johns (see also: Port St. Johns, 3.3 km N, 6.1 km E)	South Africa	31° 35' 39" S 29° 36' 21" E	4 m
Port Ingles (see Vila do Maio)	Cape Verde	15° 08' 00" N 23° 13' 00" W	4 m
Port St. Johns, 3.3 km N, 6.1 km E (see Poenskop)	South Africa	31° 35' 39" S 29° 36' 21" E	4 m
Porto Inglez (see Vila do Maio)	Cape Verde	15° 08' 00" N 23° 13' 00" W	4 m
Saltpan, near, near Fogbo	Sierra Leone	8° 16' 00" N 12° 59' 00" W	4 m
Uaiore (see Hoja Wajeer)	Somalia	1° 14' 00" N 41° 32' 00" E	4 m
Vila do Maio (see also: Maio, Nossa Senhora da Luz, Port Ingles, Porto Inglez)	Cape Verde	15° 08' 30" N 23° 12' 30" W	4 m
Wayore (see Hoja Wajeer)	Somalia	1° 14' 00" N 41° 32' 00" E	4 m

Afkala Haya (see also: Bandar Fílúk, Bender Filuch, Bender Gelid, Bender Geoid)	Somalia	11° 54' 00" N 50° 35' 00" E	5 m
Al Lahun (see also: El Lâhûn, Gebel el Lahun, Lahun)	Egypt	29° 13' 09" N 30° 58' 42" E	5 m
Androka River, along, Ambanizana, 1.1 km S	Madagascar	15° 38' 03" S 49° 58' 07" E	5 m
Bandar Fílúk (see Afkala Haya)	Somalia	11° 54' 00" N 50° 35' 00" E	5 m
Bela Vista	Mozambique	25° 58' 00" S 32° 30' 00" E	5 m
Bender Filuch (see Afkala Haya)	Somalia	11° 54' 00" N 50° 35' 00" E	5 m
Bender Gelid (see Afkala Haya)	Somalia	11° 54' 00" N 50° 35' 00" E	5 m
Bender Geoid (see Afkala Haya)	Somalia	11° 54' 00" N 50° 35' 00" E	5 m
Bouélaouvanga, rock, tunnel along RN23, between Moya and Pomoni	Comoro Islands	12° 17' 23" S 44° 25' 39" E	5 m
Bungi-Gurunsini	Tanzania	6° 14' 38" S 39° 19' 13" E	5 m
Diani Beach Centre, 10 km S (see Diani Beach, 10 km S)	Kenya	4° 20' 00" S 39° 32' 00" E	ca. 5 m
El Lâhûn (see Al Lahun)	Egypt	29° 13' 09" N 30° 58' 42" E	5 m
Fomboni, primary school (see also: Fumboni)	Comoro Islands	12° 16' 48" S 43° 44' 33" E	5 m
Forêt de Kirindy (see Tahiry Manokan' i Kirindy)	Madagascar	20° 52' 04" S 43° 54' 27" E	5 m
Fumboni (see Fomboni), primary school	Comoro Islands	12° 16' 48" S 43° 44' 33" E	5 m
Gebel el Lahun (see Al Lahun)	Egypt	29° 13' 09" N 30° 58' 42" E	5 m
Isongo (see also: Izongo, Port Isongo)	Cameroon	4° 04' 44" N 9° 01' 26" E	5 m
Ivondro, Valley of High Fanjahira (see also: Ivondrona)	Madagascar	18° 14' 00" S 49° 22' 00" E	5 m
Ivondrona (see Ivondro), Valley of High Fanjahira	Madagascar	18° 14' 00" S 49° 22' 00" E	5 m
Izongo (see Isongo)	Cameroon	4° 04' 44" N 9° 01' 26" E	5 m
Kareedouw, 7.6 km S, 39.0 km W	South Africa	34° 01' 13" S 23° 52' 14" E	5 m
Kirindy forest (CNFEREF) (see Tahiry Manokan' i Kirindy)	Madagascar	20° 52' 04" S 43° 54' 27" E	5 m
Kirindy Mitea National Park (see Tahiry Manokan' i Kirindy)	Madagascar	20° 52' 04" S 43° 54' 27" E	5 m
Lahun (see Al Lahun) (see also: El Lisht, El-Lisht)	Egypt	29° 13' 09" N 30° 58' 42" E	5 m
Mallable	Somalia	2° 12' 00" N 45° 37' 00" E	5 m
Manahy, 0.75 km SW (see Tahiry Manokan' i Kirindy)	Madagascar	20° 52' 04" S 43° 54' 27" E	5 m
Marovaza	Madagascar	14° 56' 48" S 47° 16' 29" E	5 m
Mkambati Game Reserve, 4.1 km N, 1.1 km W Msikaba River Mouth (see also: Msikaba River Mouth, 4.1 km N, 1.1 km W)	South Africa	31° 17' 00" S 29° 57' 24" E	5 m
Mombasa, 25 km S (see Tiwi)	Kenya	4° 14' 00" S 39° 35' 00" E	5 m
Msikaba River Mouth, 4.1 km N, 1.1 km W (see Mkambati Game Reserve)	South Africa	31° 17' 00" S 29° 57' 24" E	5 m
North Beach	South Africa	29° 50' 51" S 31° 02' 09" E	5 m
Parc National de Kirindy-Mitea (see Tahiry Manokan' i Kirindy)	Madagascar	20° 52' 04" S 43° 54' 27" E	5 m
Point Caravan Park	South Africa	31° 04' 00" S 30° 10' 00" E	5 m
Port Isongo (see Isongo)	Cameroon	4° 04' 44" N 9° 01' 26" E	5 m
Réserve Spéciale de la Kirindy (see Tahiry Manokan' i Kirindy)	Madagascar	20° 52' 04" S 43° 54' 27" E	5 m
Saylac (see also: Seelaac, Séyla', Seylac, Zayla, Zeila, Zeyla, Zeylac)	Somalia	11° 21' 14" N 43° 28' 26" E	5 m
Seelaac (see Saylac)	Somalia	11° 21' 14" N 43° 28' 26" E	5 m
Séyla' (see Saylac)	Somalia	11° 21' 14" N 43° 28' 26" E	5 m
Seylac (see Saylac)	Somalia	11° 21' 14" N 43° 28' 26" E	5 m
Tahiry Manokan' i Kirindy (see also: Forêt de Kirindy, Kirindy forest (CNFEREF), Kirindy Mitea National Park, Manahy, 0.75 km SW, Parc National de Kirindy-Mitea, Réserve Spéciale de la Kirindy)	Madagascar	20° 52' 04" S 43° 54' 27" E	5 m
Taka Ungu (see Takaungu), 4 mi S Kilifi, near Uombesa	Kenya	3° 41' 00" S 39° 51' 00" E	5 m
Taka Unka, Ungu Palm Grove on Coast (see Takaungu)	Kenya	3° 41' 00" S 39° 51' 00" E	5 m
Takaungu (see also: Taka Ungu, Taka Unka, Ungu Palm Grove on Coast)	Kenya	3° 41' 00" S 39° 51' 00" E	5 m
Tiwi, 25 km S Mombasa (see also: Mombasa, 25 km S)	Kenya	4° 14' 00" S 39° 35' 00" E	5 m
Tokaungu (see Kilifi, 4 mi [=6.4 km] S), 4 mi [=6.4 km] S Kilifi	Kenya	3° 41' 00" S 39° 51' 00" E	5 m
Zawiyat Umm ar Rakham (see also: Zawiyet Umm el Rakham, Zâwyet Umm el Rakham)	Egypt	31° 24' 00" N 27° 03' 00" E	5 m
Zawiyet Umm el Rakham (see Zawiyat Umm ar Rakham)	Egypt	31° 24' 00" N 27° 03' 00" E	5 m
Zâwyet Umm el Rakham (see Zawiyat Umm ar Rakham)	Egypt	31° 24' 00" N 27° 03' 00" E	5 m
Zayla (see Saylac)	Somalia	11° 21' 14" N 43° 28' 26" E	5 m

Zeila (see Saylac)	Somalia	11° 21' 14" N 43° 28' 26" E	5 m
Zeyla (see Saylac)	Somalia	11° 21' 14" N 43° 28' 26" E	5 m
Zeylac (see Saylac)	Somalia	11° 21' 14" N 43° 28' 26" E	5 m
Abu Rauwâsh (see Abu Rawwash), 5 mi NW Giza	Egypt	30° 02' 44" N 31° 05' 33" E	6 m
Abu Rawash (see Abu Rawwash), 5 mi NW Giza	Egypt	30° 02' 44" N 31° 05' 33" E	6 m
Abu Rawwash, 5 mi NW Giza (see also: Abu Rauwâsh, Abu Rawash, Abu Roash, Abu Ruwash, Aburoash, Ezbet Abu Rauwâsh, Ezbet Abu Roash, Giza, 5 mi [=8 km] NW)	Egypt	30° 02' 44" N 31° 05' 33" E	6 m
Abu Roash (see Abu Rawwash), 5 mi NW Giza	Egypt	30° 02' 44" N 31° 05' 33" E	6 m
Abu Ruwash (see Abu Rawwash), 5 mi NW Giza	Egypt	30° 02' 44" N 31° 05' 33" E	6 m
Aburoash (see Abu Rawwash)	Egypt	30° 02' 44" N 31° 05' 33" E	6 m
Aea (see Tarabulus)	Libya	32° 53' 33" N 13° 10' 48" E	6 m
Ambrisette (see N'zeto)	Angola	7° 14' 00" S 12° 52' 00" E	6 m
Ambrizete (see N'zeto)	Angola	7° 14' 00" S 12° 52' 00" E	6 m
Ambrizette (see N'zeto)	Angola	7° 14' 00" S 12° 52' 00" E	6 m
Cape Town (see also: Kaapstad)	South Africa	33° 55' 00" S 18° 25' 00" E	6 m
Ea (see Tarabulus)	Libya	32° 53' 33" N 13° 10' 48" E	6 m
Ezbet Abu Rauwâsh (see Abu Rawwash), 5 mi NW Giza	Egypt	30° 02' 44" N 31° 05' 33" E	6 m
Ezbet Abu Roash (see Abu Rawwash), 5 mi NW Giza	Egypt	30° 02' 44" N 31° 05' 33" E	6 m
Kaapstad (see Cape Town)	South Africa	33° 55' 00" S 18° 25' 00" E	6 m
Luanda (see also: São Paulo da Assunção de Luanda, São Paulo de Loanda, São Paulo de Luanda)	Angola	8° 50' 18" S 13° 14' 04" E	6 m
Madianna, Brufut, near (see also: Madianna)	The Gambia	13° 21' 12" N 16° 45' 47" W	6 m
Madianna (see Madianna), Brufut, near	The Gambia	13° 21' 12" N 16° 45' 47" W	6 m
Madinat Sabratah (see Sabratah)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
Madinat Sabratah (see Sabratah)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
Masawa (see Massawa)	Eritrea	15° 36' 35" N 39° 27' 00" E	6 m
Massau (see Massawa)	Eritrea	15° 36' 35" N 39° 27' 00" E	6 m
Massaua (see Massawa)	Eritrea	15° 36' 35" N 39° 27' 00" E	6 m
Massawa (see also: Masawa, Massau, Massaua, Massawah, Massowa, Massowah, Mesewa, Mitsewa, Mits'iwa)	Eritrea	15° 36' 35" N 39° 27' 00" E	6 m
Massawah (see Massawa)	Eritrea	15° 36' 35" N 39° 27' 00" E	6 m
Massowa (see Massawa)	Eritrea	15° 36' 35" N 39° 27' 00" E	6 m
Massowah (see Massawa)	Eritrea	15° 36' 35" N 39° 27' 00" E	6 m
Mesewa (see Massawa)	Eritrea	15° 36' 35" N 39° 27' 00" E	6 m
Mitsewa (see Massawa)	Eritrea	15° 36' 35" N 39° 27' 00" E	6 m
Mits'iwa (see Massawa)	Eritrea	15° 36' 35" N 39° 27' 00" E	6 m
N'zeto (see also: Ambrisette, Ambrizete, Ambrizette)	Angola	7° 14' 00" S 12° 52' 00" E	6 m
Oea (see Tarabulus)	Libya	32° 53' 33" N 13° 10' 48" E	6 m
Sábra (see Sabratah)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
Sábra (see Sabratah)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
Sabrah (see Sabratah)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
Sabrah (see Sabratah)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
Sabrah (see Sabratah)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
Sabratah (see also: Madinat Sabratah, Sábra, Sabrah, Sabratha)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
Sabratah (see also: Madinat Sabratah, Sábra, Sabrah, Sabrah, Sabratha)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
Sabratha (see Sabratah)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
Sabratha (see Sabratah)	Libya	32° 47' 31" N 12° 29' 05" E	6 m
São Paulo da Assunção de Luanda (see Luanda)	Angola	8° 50' 18" S 13° 14' 04" E	6 m
São Paulo de Loanda (see Luanda)	Angola	8° 50' 18" S 13° 14' 04" E	6 m
São Paulo de Luanda (see Luanda)	Angola	8° 50' 18" S 13° 14' 04" E	6 m
State Land, 10.7 km S, 26.9 km W Vredendal (see also: Vredendal, 10.7 km S, 26.9 km W)	South Africa	31° 45' 18" S 18° 13' 52" E	6 m
Taràbles (see Tarabulus)	Libya	32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus (see also: Aea, Ea, Oea, Taràbles, Tarabulus al Gharb, Tarabulus el Gharb, Tripoli)	Libya	32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus al Gharb (see Tarabulus)	Libya	32° 53' 33" N 13° 10' 48" E	6 m
Tarabulus el Gharb (see Tarabulus)	Libya	32° 53' 33" N 13° 10' 48" E	6 m
Tripoli (see Tarabulus)	Libya	32° 53' 33" N 13° 10' 48" E	6 m
Vredendal, 10.7 km S, 26.9 km W (see State Land)	South Africa	31° 45' 18" S 18° 13' 52" E	6 m
Diogué	Senegal	12° 34' 28" N 16° 45' 09" W	7 m

Gede National Park (see also: Gede Royal National Park, Gedi National Park, Gedi Royal National Park)	Kenya	3° 18' 00" S 40° 01' 00" E	7 m
Gede Royal National Park (see Gede National Park)	Kenya	3° 18' 00" S 40° 01' 00" E	7 m
Gedeh (see also: Gedi)	Kenya	3° 18' 00" S 40° 01' 00" E	7 m
Gedi (see Gedeh)	Kenya	3° 18' 00" S 40° 01' 00" E	7 m
Gedi National Park (see Gede National Park)	Kenya	3° 18' 00" S 40° 01' 00" E	7 m
Gedi Royal National Park (see Gede National Park)	Kenya	3° 18' 00" S 40° 01' 00" E	7 m
Miringoni	Comoro Islands	12° 17' 48" S 43° 38' 07" E	7 m
Shakani, Zanzibar	Tanzania	6° 14' 00" S 39° 14' 00" E	7 m
The Haven	South Africa	32° 14' 05" S 28° 55' 17" E	7 m
Wardan	Egypt	30° 19' 00" N 30° 54' 00" E	7 m
Ben Gardan (see Bir Qirdan)	Tunisia	33° 08' 00" N 11° 13' 00" E	8 m
Ben Gardane (see Bir Qirdan)	Tunisia	33° 08' 00" N 11° 13' 00" E	8 m
Ben-Gardán (see Bir Qirdan)	Tunisia	33° 08' 00" N 11° 13' 00" E	8 m
Bir Qirdan (see also: Ben Gardan, Ben Gardane, Ben-Gardán)	Tunisia	33° 08' 00" N 11° 13' 00" E	8 m
Enchalé (see Enxalé)	Guinea-Bissau	11° 59' 00" N 14° 58' 00" W	8 m
Enxalé (see also: Enchalé)	Guinea-Bissau	11° 59' 00" N 14° 58' 00" W	8 m
Luabo	Mozambique	18° 23' 34" S 36° 06' 19" E	8 m
Mpundu (see also: Mungo River, forest across)	Cameroon	4° 14' 19" N 9° 24' 33" E	8 m
Ukunda	Kenya	4° 17' 00" S 39° 34' 00" E	8 m
Voëlklip, 7th Street	South Africa	34° 22' 59" S 19° 16' 00" E	8 m
Walikunda (see Walli Kunda)	The Gambia	13° 34' 00" N 14° 55' 00" W	8 m
Walli Kunda (see also: Walikunda)	The Gambia	13° 34' 00" N 14° 55' 00" W	8 m
Alexandria, 40 km W (see Burj al'Arab)	Egypt	30° 55' 00" N 29° 32' 00" E	9 m
Ambila-Lemaitso	Madagascar	18° 50' 00" S 49° 09' 00" E	9 m
Amboua (see Ambouli)	Djibouti	11° 34' 10" N 43° 08' 12" E	9 m
Ambouli (see also: Amboua, Ambua, H_oumbouli)	Djibouti	11° 34' 10" N 43° 08' 12" E	9 m
Ambua (see Ambouli)	Djibouti	11° 34' 10" N 43° 08' 12" E	9 m
Bonth (see Bonthe), Sherbro island	Sierra Leone	7° 31' 55" N 12° 30' 18" W	9 m
Bonthe, Sherbro island (see also: Bonth)	Sierra Leone	7° 31' 55" N 12° 30' 18" W	9 m
Burg el'Arab (see Burj al'Arab)	Egypt	30° 55' 00" N 29° 32' 00" E	9 m
Burgh-El-Arab (see Burj al'Arab)	Egypt	30° 55' 00" N 29° 32' 00" E	9 m
Burj al'Arab, 40 km W Alexandria (see also: Alexandria, 40 km W, Burg el'Arab, Burgh-El-Arab)	Egypt	30° 55' 00" N 29° 32' 00" E	9 m
Chai Chai (see Xai-Xai), Maputo, 200 km N	Mozambique	25° 03' 07" S 33° 38' 39" E	9 m
H_oumbouli (see Ambouli)	Djibouti	11° 34' 10" N 43° 08' 12" E	9 m
Joa Belo (see Xai-Xai), Maputo, 200 km N	Mozambique	25° 03' 07" S 33° 38' 39" E	9 m
João Belo (see Xai-Xai), Maputo, 200 km N	Mozambique	25° 03' 07" S 33° 38' 39" E	9 m
Shai-Shai (see Xai-Xai), Maputo, 200 km N	Mozambique	25° 03' 07" S 33° 38' 39" E	9 m
Vila de João Belo (see Xai-Xai), Maputo, 200 km N	Mozambique	25° 03' 07" S 33° 38' 39" E	9 m
Vila-João-Belo (see Xai-Xai), Maputo, 200 km N	Mozambique	25° 03' 07" S 33° 38' 39" E	9 m
Xai-Xai, Maputo, 200 km N (see also: Chai Chai, Joa Belo, João Belo, Shai-Shai, Vila de João Belo, Vila-João-Belo)	Mozambique	25° 03' 07" S 33° 38' 39" E	9 m
Anjajavy, 3 km NE	Madagascar	15° 00' 28" S 47° 14' 20" E	10 m
Anjajavy, 4 km NE	Madagascar	14° 59' 43" S 47° 13' 55" E	10 m
Basse Vallée, 0.7 km SSW (see Le Cap Méchant)	Réunion	21° 22' 30" S 55° 42' 34" E	10 m
Bathurst State Forest, 4.7 km S, 3.7 km W Bathurst (see also: Bathurst, 4.7 km S, 3.7 km W)	South Africa	33° 32' 45" S 26° 47' 12" E	10 m
Bathurst, 4.7 km S, 3.7 km W (see Bathurst State Forest)	South Africa	33° 32' 45" S 26° 47' 12" E	10 m
Bishiko cave (see Grotte de Tanambao)	Madagascar	23° 32' 56" S 43° 46' 03" E	10 m
Bisihiko cave (see Grotte de Tanambao), 0.75 km E St. Augustin	Madagascar	23° 32' 56" S 43° 46' 03" E	10 m
Bouyouni	Mayotte	12° 44' 19" S 45° 08' 27" E	10 m
Cascade Estate	Seychelle Islands	4° 40' 00" S 55° 30' 00" E	10 m
Coffee Bay, 17.5 km N, 14.4 km E (see Hluleka Nature Reserve)	South Africa	31° 49' 31" S 29° 18' 13" E	10 m
Elandsbaai, 9.9 km S, 12.3 km E (see Farm Groote Drift)	South Africa	32° 24' 00" S 18° 28' 23" E	10 m
Esperanza Tunnel, Suzela (see also: Beneva Tunnel)	South Africa	30° 20' 38" S 30° 37' 53" E	10 m
Farm Groote Drift, 9.9 km S, 12.3 km Eelandsbaai (see also: Elandsbaai, 9.9 km S, 12.3 km E, Groote Drift, Farm, Piketburg)	South Africa	32° 24' 00" S 18° 28' 23" E	10 m
Giamama (see Jamaame)	Somalia	0° 04' 20" N 42° 45' 02" E	10 m
Giamame (see Jamaame)	Somalia	0° 04' 20" N 42° 45' 02" E	10 m
Giamana (see Jamaame)	Somalia	0° 04' 20" N 42° 45' 02" E	10 m

Giamane (see Jamaame)	Somalia	0° 04' 20" N 42° 45' 02" E	10 m
Groote Drift, Farm (see Farm Groote Drift), SE Elandsbaai, Piketburg	South Africa	32° 26' 00" S 18° 27' 00" E	10 m
Grotte de Bishiko (see Grotte de Tanambao), 0.75 km E St. Augustin	Madagascar	23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Bisihiko (see Grotte de Tanambao)	Madagascar	23° 32' 56" S 43° 46' 03" E	10 m
Grotte de Tanambao, 0.75 km E St. Augustin (see also: Bishiko cave, Bisihiko cave, Grotte de Bishiko, Grotte de Bisihiko, Saint-Augustin, 0.75 km E, St. Augustin, 0.75 km E, Tanambao cave)	Madagascar	23° 32' 56" S 43° 46' 03" E	10 m
Hluleka Nature Reserve, 17.5 km N, 14.4 km E Coffee Bay (see also: Coffee Bay, 17.5 km N, 14.4 km E)	South Africa	31° 49' 31" S 29° 18' 13" E	10 m
Itapera, Pointe, ca. 21 km NW Tolagnaro (see also: Itaperina, Pointe, Pointe Itapera, Pointe Itaperina, Tapera, Lohatanjona, Tolagnaro, ca. 21 km NW)	Madagascar	24° 54' 00" S 47° 08' 00" E	10 m
Itaperina, Pointe (see Itapera, Pointe)	Madagascar	24° 54' 00" S 47° 08' 00" E	10 m
Jamaame (see also: Giamama, Giamame, Giamana, Giamane, Jamame, Margherita)	Somalia	0° 04' 20" N 42° 45' 02" E	10 m
Jamame (see Jamaame)	Somalia	0° 04' 20" N 42° 45' 02" E	10 m
Juani village	Tanzania	7° 59' 28" S 39° 46' 47" E	10 m
Koungou	Mayotte	12° 43' 59" S 45° 09' 44" E	10 m
La Saline-les Bains, 3.2 km SSE (see Ravine des Trois Bassins)	Réunion	21° 06' 36" S 55° 14' 34" E	10 m
Le Cap Méchant, 0.7 km SSW Basse Vallée (see also: Basse Vallée, 0.7 km SSW)	Réunion	21° 22' 30" S 55° 42' 34" E	10 m
Longoni	Mayotte	12° 44' 00" S 45° 10' 00" E	10 m
Luala I (see Ouallah I), along small river at east side of village	Comoro Islands	12° 19' 36" S 43° 39' 48" E	10 m
Margherita (see Jamaame)	Somalia	0° 04' 20" N 42° 45' 02" E	10 m
Mission Rocks (Eastern Shore)	South Africa	28° 16' 00" S 32° 29' 00" E	10 m
Mombane (see Nove Mambone)	Mozambique	20° 59' 17" S 35° 01' 20" E	10 m
Ndrondroni, primary school	Comoro Islands	12° 20' 34" S 43° 40' 56" E	10 m
Nove Mambone (see also: Mombane)	Mozambique	20° 59' 17" S 35° 01' 20" E	10 m
Ouala I (see Ouallah I), along small river at east side of village	Comoro Islands	12° 19' 36" S 43° 39' 48" E	10 m
Ouallah I, along small river at east side of village (see also: Luala I, Ouala I)	Comoro Islands	12° 19' 36" S 43° 39' 48" E	10 m
Piketburg (see Farm Groote Drift), SE Elandsbaai	South Africa	32° 26' 00" S 18° 27' 00" E	10 m
Pointe Itapera (see Itapera, Pointe)	Madagascar	24° 54' 00" S 47° 08' 00" E	10 m
Pointe Itaperina (see Itapera, Pointe)	Madagascar	24° 54' 00" S 47° 08' 00" E	10 m
Poroani	Mayotte	12° 53' 37" S 45° 08' 33" E	10 m
Port Nolloth	South Africa	29° 16' 00" S 16° 52' 00" E	10 m
Ravine des Trois Bassins, 3.2 km SSE La Saline-les Bains (see also: La Saline-les Bains, 3.2 km SSE)	Réunion	21° 06' 36" S 55° 14' 34" E	10 m
Richard Toll	Senegal	16° 28' 00" N 15° 41' 00" W	10 m
Saint-Augustin, 0.75 km E (see Grotte de Tanambao)	Madagascar	23° 32' 56" S 43° 46' 03" E	10 m
St. Augustin, 0.75 km E (see Grotte de Tanambao)	Madagascar	23° 32' 56" S 43° 46' 03" E	10 m
Summerstrand	South Africa	33° 59' 00" S 25° 41' 00" E	10 m
Tanambao cave (see Grotte de Tanambao), 0.75 km E St Augustin	Madagascar	23° 32' 56" S 43° 46' 03" E	10 m
Tapera, Lohatanjona (see Itapera, Pointe)	Madagascar	24° 54' 00" S 47° 08' 00" E	10 m
Tolagnaro, ca. 21 km NW (see Itapera, Pointe)	Madagascar	24° 54' 00" S 47° 08' 00" E	10 m
Umlalazi Nature Reserve, Mtunzini	South Africa	28° 57' 49" S 31° 46' 08" E	10 m
Ysterfontein [Farmstead]	South Africa	33° 20' 00" S 18° 09' 00" E	10 m
As Sinbillawayn (see also: As Sunbullawayn, El-Simbillâwein, Es Simbillawein, Simbilawein, Simbillawein)	Egypt	30° 52' 55" N 31° 27' 47" E	11 m
As Sunbullawayn (see As Sinbillawayn)	Egypt	30° 52' 55" N 31° 27' 47" E	11 m
As Suwayrah (see Essaouira)	Morocco	31° 30' 47" N 9° 46' 11" W	11 m
Bodhai (see Bodhei)	Kenya	1° 52' 07" S 40° 43' 39" E	11 m
Bodhei (see also: Bodhai, Boni Forest)	Kenya	1° 52' 07" S 40° 43' 39" E	11 m
Boni Forest (see Bodhei)	Kenya	1° 52' 07" S 40° 43' 39" E	11 m
Borobini (see Golbanti)	Kenya	2° 27' 24" S 40° 12' 09" E	11 m
Dwesa Forests (see Dwessa Forest Reserve)	South Africa	32° 18' 13" S 28° 49' 43" E	11 m
Dwesa Nature Reserve (see Dwessa Forest Reserve)	South Africa	32° 18' 13" S 28° 49' 43" E	11 m
Dwessa Forest Reserve (see also: Dwesa Forests, Dwesa Nature Reserve)	South Africa	32° 18' 13" S 28° 49' 43" E	11 m
El-Simbillâwein (see As Sinbillawayn)	Egypt	30° 52' 55" N 31° 27' 47" E	11 m
Es Simbillawein (see As Sinbillawayn)	Egypt	30° 52' 55" N 31° 27' 47" E	11 m

Es Suira (see Essaouira)	Morocco	31° 30' 47" N 9° 46' 11" W	11 m
Essaouira	Morocco	31° 30' 47" N 9° 46' 11" W	11 m
(see also: As Suwayrah, Es Suira, Magador, Mogadar, Mogador)			
Foyos	Spain	39° 32' 00" N 0° 21' 00" W	11 m
Golbanti	Kenya	2° 27' 24" S 40° 12' 09" E	11 m
(see also: Borobini, Golbanti mission)			
Golbanti mission (see Golbanti)	Kenya	2° 27' 24" S 40° 12' 09" E	11 m
Kuntaur, 2 mi [=3.2 km] N (see Makka)	The Gambia	13° 42' 00" N 14° 53' 00" W	11 m
Magador (see Essaouira)	Morocco	31° 30' 47" N 9° 46' 11" W	11 m
Maidum (see Maydum pyramids)	Egypt	29° 22' 24" N 31° 10' 20" E	11 m
Maidum pyramids (see Maydum pyramids)	Egypt	29° 22' 24" N 31° 10' 20" E	11 m
Maka (see Makka)	The Gambia	13° 42' 00" N 14° 53' 00" W	11 m
Makka, 2 mi N Kuntaur	The Gambia	13° 42' 00" N 14° 53' 00" W	11 m
(see also: Kuntaur, 2 mi [=3.2 km] N, Maka)			
Maydum (see Maydum pyramids)	Egypt	29° 22' 24" N 31° 10' 20" E	11 m
Maydum pyramids	Egypt	29° 22' 24" N 31° 10' 20" E	11 m
(see also: Maidum, Maidum pyramids, Maydum)			
Mogadar (see Essaouira)	Morocco	31° 30' 47" N 9° 46' 11" W	11 m
Mogador (see Essaouira)	Morocco	31° 30' 47" N 9° 46' 11" W	11 m
Podor	Senegal	16° 38' 56" N 14° 57' 39" W	11 m
Richards Bay	South Africa	28° 46' 31" S 32° 03' 14" E	11 m
(see also: Richardsbaai)			
Richardsbaai (see Richards Bay)	South Africa	28° 46' 31" S 32° 03' 14" E	11 m
Simbilawein (see As Sinbillawayn)	Egypt	30° 52' 55" N 31° 27' 47" E	11 m
Simbillawein (see As Sinbillawayn)	Egypt	30° 52' 55" N 31° 27' 47" E	11 m
Umhalanga (see Umhlanga Reserve)	South Africa	29° 43' 00" S 31° 05' 00" E	11 m
Umhlanga Reserve, Umhlanga Rocks	South Africa	29° 43' 00" S 31° 05' 00" E	11 m
(see also: Umhalanga, Umhlanga Rocks)			
Umhlanga Rocks (see Umhlanga Reserve), 2 Tibia Crescent	South Africa	29° 43' 00" S 31° 05' 00" E	11 m
An Nafi?ah (see Enfida), Bou Ficha	Tunisia	36° 08' 07" N 10° 22' 51" E	12 m
Dagana	Senegal	16° 31' 00" N 15° 30' 00" W	12 m
(see also: Tagana)			
Dar el Bey (see Enfida), Bou Ficha	Tunisia	36° 08' 07" N 10° 22' 51" E	12 m
Dcheïra, near Inezgane, lower Sousse valley	Morocco	30° 22' 00" N 9° 32' 00" W	12 m
Enfida, Bou Ficha	Tunisia	36° 08' 07" N 10° 22' 51" E	12 m
(see also: An Nafi?ah, Dar el Bey, Enfidarille, Enfidaville, Envidaville)			
Enfidarille (see Enfida), Bou Ficha	Tunisia	36° 08' 07" N 10° 22' 51" E	12 m
Enfidaville (see Enfida), Bou Ficha	Tunisia	36° 08' 07" N 10° 22' 51" E	12 m
Envidaville (see Enfida), Bou Ficha	Tunisia	36° 08' 07" N 10° 22' 51" E	12 m
Kafr Da'ud	Egypt	30° 28' 00" N 30° 49' 00" E	12 m
(see also: Kafr Dâwûd)			
Kafr Dâwûd (see Kafr Da'ud)	Egypt	30° 28' 00" N 30° 49' 00" E	12 m
Kanawa, 105 km N Malindi	Kenya	2° 20' 00" S 40° 05' 00" E	12 m
(see also: Malindi, 105 km N)			
Kipangani village	Tanzania	4° 57' 54" S 39° 42' 52" E	12 m
Malindi, 105 km N (see Kanawa)	Kenya	2° 20' 00" S 40° 05' 00" E	12 m
Safaqis (see Sfax)	Tunisia	34° 44' 26" N 10° 45' 37" E	12 m
Sfax	Tunisia	34° 44' 26" N 10° 45' 37" E	12 m
(see also: Safaqis, Taparura)			
Tagana (see Dagana)	Senegal	16° 31' 00" N 15° 30' 00" W	12 m
Taparura (see Sfax)	Tunisia	34° 44' 26" N 10° 45' 37" E	12 m
Cascas (see Kaskas)	Senegal	16° 22' 43" N 14° 03' 22" W	13 m
Kaskas	Senegal	16° 22' 43" N 14° 03' 22" W	13 m
(see also: Cascas)			
Kawm ?amadah	Egypt	30° 45' 21" N 30° 41' 56" E	13 m
(see also: Kôm ?amâda)			
Kôm ?amâda (see Kawm ?amadah)	Egypt	30° 45' 21" N 30° 41' 56" E	13 m
Kribi	Cameroon	2° 57' 00" N 9° 55' 00" E	13 m
(see also: Kiribi)			
Kudang	The Gambia	13° 40' 00" N 15° 04' 00" W	13 m
Beira	Mozambique	19° 50' 37" S 34° 50' 20" E	14 m
Chimombi (see Nsanje), District HQ	Malawi	16° 55' 00" S 35° 16' 00" E	14 m
Chonja village	Tanzania	4° 57' 02" S 39° 43' 45" E	14 m
Nsanje, District HQ	Malawi	16° 55' 00" S 35° 16' 00" E	14 m
(see also: Chimombi, Port Herald)			
Port Herald (see Nsanje), District HQ	Malawi	16° 55' 00" S 35° 16' 00" E	14 m
Al Lisht	Egypt	29° 34' 00" N 31° 14' 00" E	15 m
(see also: El-Lisht, Lisht)			
Al Lisht	Egypt	29° 34' 00" N 31° 14' 00" E	15 m
Andalabezo cave (see Forêt des Mikea (1))	Madagascar	22° 30' 00" S 43° 23' 00" E	15 m
Andalambezo cave (see Forêt des Mikea (1))	Madagascar	22° 30' 00" S 43° 23' 00" E	15 m
El Lisht (see Lahun)	Egypt	29° 34' 00" N 31° 14' 00" E	15 m
El-Lisht (see Al Lisht)	Egypt	29° 34' 00" N 31° 14' 00" E	15 m

El-Lisht (see Lahun)	Egypt		29° 34' 00" N 31° 14' 00" E	15 m
Forêt des Mikea (1) (see also: Andalabezo cave, Andalambezo cave, Grotte d'Andalambezo, Mikea Forest (1))	Madagascar		22° 30' 00" S 43° 23' 00" E	15 m
Grotte d'Andalambezo (see Forêt des Mikea (1))	Madagascar		22° 30' 00" S 43° 23' 00" E	15 m
Hahaïa, primary school	Comoro Islands		11° 33' 39" S 43° 15' 44" E	15 m
Kilifi, 1 mi [=1.6 km] N	Kenya	ca.	3° 38' 00" S 39° 51' 00" E	15 m
Lisht (see Al Lisht)	Egypt		29° 34' 00" N 31° 14' 00" E	15 m
Longi (see Longji)	Cameroon		3° 04' 31" N 9° 58' 40" E	15 m
Longji (see also: Longi, Longuy, Longuyi)	Cameroon		3° 04' 31" N 9° 58' 40" E	15 m
Longuy (see Longji)	Cameroon		3° 04' 31" N 9° 58' 40" E	15 m
Longuyi (see Longji)	Cameroon		3° 04' 31" N 9° 58' 40" E	15 m
Mareerey (see also: Marerei, Mareri)	Somalia		0° 25' 49" N 42° 43' 05" E	15 m
Marerei (see Mareerey)	Somalia		0° 25' 49" N 42° 43' 05" E	15 m
Mareri (see Mareerey)	Somalia		0° 25' 49" N 42° 43' 05" E	15 m
Mikea Forest (1) (see Forêt des Mikea (1))	Madagascar		22° 30' 00" S 43° 23' 00" E	15 m
Mkonumbi (see Mkunumbi), near Kitu	Kenya		2° 18' 44" S 40° 42' 04" E	15 m
Mkonumbia (see Mkunumbi), near Kitu	Kenya		2° 18' 44" S 40° 42' 04" E	15 m
Mkunumbi, near Kitu (see also: Mkonumbi, Mkonumbia, Nkunumbi)	Kenya		2° 18' 44" S 40° 42' 04" E	15 m
Moroni-Hahaia Airport entrance gate, 0.5 km N (see Moroni-Hahaïa airport, 0.5 km N of entrance gate)	Comoro Islands		11° 31' 46" S 43° 16' 38" E	15 m
Moroni-Hahaïa airport, 0.5 km N of entrance gate (see also: Moroni-Hahaia Airport entrance gate, 0.5 km N, Prince Said Ibrahim airport, 0.5 km N of entrance gate)	Comoro Islands		11° 31' 46" S 43° 25' 12" E	15 m
Ngombeni	Tanzania	ca.	7° 57' 15" S 39° 39' 32" E	15 m
Nkunumbi (see Mkunumbi), near Kitu	Kenya		2° 18' 44" S 40° 42' 04" E	15 m
Pange Juu cave	Tanzania		6° 16' 48" S 39° 27' 05" E	15 m
Prince Said Ibrahim airport, 0.5 km N of entrance gate (see Moroni-Hahaïa airport, 0.5 km N of entrance gate)	Comoro Islands		11° 31' 46" S 43° 25' 12" E	15 m
St. Lucia Resort	South Africa		28° 23' 00" S 32° 25' 30" E	15 m
Yonoféré (see also: Yoroforé)	Senegal		15° 15' 57" N 14° 27' 40" W	15 m
Yoroforé (see Yonoféré)	Senegal		15° 15' 57" N 14° 27' 40" W	15 m
Zighinkor (see Ziguinchor)	Senegal		12° 35' 00" N 16° 16' 19" W	15 m
Zigiunchor (see Ziguinchor)	Senegal		12° 35' 00" N 16° 16' 19" W	15 m
Ziguinchor (see also: Zighinkor, Zigiunchor, Zinguinhor)	Senegal		12° 35' 00" N 16° 16' 19" W	15 m
Zinguinhor (see Ziguinchor)	Senegal		12° 35' 00" N 16° 16' 19" W	15 m
Al-Fustat (see Misr al Qadimah)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
El Fostat (see Misr al Qadimah)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
El Fustat (see Misr al Qadimah)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
Jabassi (see Yabassi)	Cameroon		4° 27' 16" N 9° 57' 56" E	16 m
Kaffrine	Senegal		14° 07' 18" N 15° 41' 35" W	16 m
Kiwenga, near	Tanzania	ca.	5° 59' 24" S 39° 22' 35" E	16 m
Masr al-Qadimah (see Misr al Qadimah)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
Misr al Qadimah (see also: Al-Fustat, El Fostat, El Fustat, Masr al-Qadimah, Old Cairo)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
Old Cairo (see Misr al Qadimah)	Egypt		30° 01' 00" N 31° 14' 00" E	16 m
Yabasi (see Yabassi)	Cameroon		4° 27' 16" N 9° 57' 56" E	16 m
Yabassi (see also: Jabassi, Yabasi, Yabazi)	Cameroon		4° 27' 16" N 9° 57' 56" E	16 m
Yabazi (see Yabassi)	Cameroon		4° 27' 16" N 9° 57' 56" E	16 m
"Tor Sinai" (see At Tur)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
Al Jizah	Egypt		30° 05' 10" N 31° 12' 44" E	17 m
Al-Tur (see At Tur)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
At Tur (see also: "Tor Sinai", Al-Tur, El-Tor, El-Tur, Et Tor, Thur, Tor)	Egypt		28° 14' 14" N 33° 36' 50" E	17 m
Bandar Kassim (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bender Cassim (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bender Qaasin (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bénder Qasin (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Boosaaso (see also: Bandar Kassim, Bender Cassim, Bender Qaasin, Bénder Qasin, Boosaso, Bosaso, Bossaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Boosaso (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bosaso (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m
Bossaso (see Boosaaso)	Somalia		11° 17' 05" N 49° 10' 57" E	17 m

El Gizeh	Egypt	30° 05' 10" N 31° 12' 44" E	17 m
El-Gîza	Egypt	30° 05' 10" N 31° 12' 44" E	17 m
El-Tor (see At Tur)	Egypt	28° 14' 14" N 33° 36' 50" E	17 m
El-Tûr (see Asakra)	Egypt	28° 14' 14" N 33° 36' 50" E	17 m
(see also: Ain el Furtaga , Ayn al Furtajah, Ayn al Furtajah)			
El-Tur (see At Tur)	Egypt	28° 14' 14" N 33° 36' 50" E	17 m
Et Tor (see At Tur)	Egypt	28° 14' 14" N 33° 36' 50" E	17 m
Ghizeh	Egypt	30° 05' 10" N 31° 12' 44" E	17 m
Mikindani	Tanzania	10° 17' 00" S 40° 07' 00" E	17 m
(see also: Old Mikindani)			
Old Mikindani (see Mikindani)	Tanzania	10° 17' 00" S 40° 07' 00" E	17 m
Sinnuris	Egypt	29° 25' 00" N 30° 52' 00" E	17 m
Thur (see At Tur)	Egypt	28° 14' 14" N 33° 36' 50" E	17 m
Tor (see At Tur)	Egypt	28° 14' 14" N 33° 36' 50" E	17 m
Walfischbay (see Walvis Bay)	Namibia	22° 57' 27" S 14° 30' 19" E	17 m
Walfisch-Bucht-Niederland (see Walvis Bay)	Namibia	22° 57' 27" S 14° 30' 19" E	17 m
Walvis Bay	Namibia	22° 57' 27" S 14° 30' 19" E	17 m
(see also: Walfischbay, Walfisch-Bucht-Niederland, Walvisbaai)			
Walvisbaai (see Walvis Bay)	Namibia	22° 57' 27" S 14° 30' 19" E	17 m
Witu	Kenya	2° 23' 26" S 40° 27' 11" E	17 m
Carcura (see Kurkurah)	Libya	31° 25' 35" N 20° 01' 40" E	18 m
Drepanun (see Kurkurah)	Libya	31° 25' 35" N 20° 01' 40" E	18 m
Inhambane, 29 km S (see Jangamo)	Mozambique	24° 06' 44" S 35° 19' 05" E	18 m
Jangamo, 29 km S Inhambane	Mozambique	24° 06' 44" S 35° 19' 05" E	18 m
(see also: Inhambane, 29 km S)			
Karkurah (see Kurkurah)	Libya	31° 25' 35" N 20° 01' 40" E	18 m
Karkurah (see Kurkurah)	Libya	31° 25' 35" N 20° 01' 40" E	18 m
Khombeul (see Khombole)	Senegal	14° 46' 00" N 16° 42' 00" W	18 m
Khombole	Senegal	14° 46' 00" N 16° 42' 00" W	18 m
(see also: Khombeul, Kombole, Rhombole)			
Kombole (see Khombole)	Senegal	14° 46' 00" N 16° 42' 00" W	18 m
Kurkurah	Libya	31° 25' 35" N 20° 01' 40" E	18 m
(see also: Carcura, Drepanun, Karkurah, Karkurah)			
Matadi	Congo (Democratic Republic of the)	5° 49' 00" S 13° 27' 00" E	18 m
(see also: Matidi)			
Matidi (see Matadi)	Congo (Democratic Republic of the)	5° 49' 00" S 13° 27' 00" E	18 m
Rhombole (see Khombole)	Senegal	14° 46' 00" N 16° 42' 00" W	18 m
Taburbah (see Tebourba), near Tunis	Tunisia	36° 50' 23" N 9° 50' 00" E	18 m
Tebourba, near Tunis	Tunisia	36° 50' 23" N 9° 50' 00" E	18 m
(see also: Taburbah)			
Yema (see Yema Mayombe)	Congo (Democratic Republic of the)	5° 45' 00" S 12° 17' 00" E	18 m
Yema Mayombe	Congo (Democratic Republic of the)	5° 45' 00" S 12° 17' 00" E	18 m
(see also: Yema)			
Afmadoow (see Afmadow)	Somalia	0° 31' 02" N 42° 04' 16" E	19 m
Afmadow	Somalia	0° 31' 02" N 42° 04' 16" E	19 m
(see also: Afmadoow, Afmadu)			
Afmadu (see Afmadow)	Somalia	0° 31' 02" N 42° 04' 16" E	19 m
Bambao	Comoro Islands	12° 11' 56" S 44° 31' 06" E	19 m
(see also: Bambao M'Sanga, Cercle de Bambao)			
Bambao M'Sanga (see Bambao)	Comoro Islands	12° 11' 56" S 44° 31' 06" E	19 m
Cercle de Bambao (see Bambao)	Comoro Islands	12° 11' 56" S 44° 31' 06" E	19 m
El-'Aiyat (see Saqqarah)	Egypt	29° 51' 00" N 31° 13' 00" E	19 m
Empisini Nature Reserve, 1.5 km NWW Umkomaas	South Africa	30° 12' 00" S 30° 48' 00" E	19 m
(see also: Umkomaas, 1.5 km NWW)			
Gelib (see Jilib)	Somalia	0° 29' 45" N 42° 46' 22" E	19 m
Ikang	Nigeria	4° 47' 23" N 8° 31' 54" E	19 m
Jeelib (see Jilib)	Somalia	0° 29' 45" N 42° 46' 22" E	19 m
Jilib	Somalia	0° 29' 45" N 42° 46' 22" E	19 m
(see also: Gelib, Jeelib)			
Merebank	South Africa	29° 57' 06" S 30° 57' 23" E	19 m
Messira (see Missira)	Senegal	13° 41' 00" N 16° 30' 01" W	19 m
Missira	Senegal	13° 41' 00" N 16° 30' 01" W	19 m
(see also: Messira, Missirah, Missirah Saloum)			
Missirah (see Missira)	Senegal	13° 41' 00" N 16° 30' 01" W	19 m
Missirah Saloum (see Missira)	Senegal	13° 41' 00" N 16° 30' 01" W	19 m
Mohoro	Tanzania	8° 08' 00" S 39° 10' 00" E	19 m
(see also: Mohorro plantation)			
Mohorro plantation (see Mohoro)	Tanzania	8° 08' 00" S 39° 10' 00" E	19 m
Sacarra pyramids (see Saqqarah)	Egypt	29° 51' 00" N 31° 13' 00" E	19 m
Sakhara (see Saqqarah)	Egypt	29° 51' 00" N 31° 13' 00" E	19 m
Sakkara (see Saqqarah)	Egypt	29° 51' 00" N 31° 13' 00" E	19 m

Sakkara pyramids (see Saqqarah)	Egypt	29° 51' 00" N 31° 13' 00" E	19 m
Sakkoura pyramids (see Saqqarah)	Egypt	29° 51' 00" N 31° 13' 00" E	19 m
Saqqara (see Saqqarah)	Egypt	29° 51' 00" N 31° 13' 00" E	19 m
?aqqâra (see Saqqarah)	Egypt	29° 51' 00" N 31° 13' 00" E	19 m
Saqqara pyramids (see Saqqarah)	Egypt	29° 51' 00" N 31° 13' 00" E	19 m
Saqqarah (see also: El-'Aiyat, Sacarra pyramids, Sakhara, Sakkara, Sakkara pyramids, Sakkoura pyramids, Saqqara, ?aqqâra, Saqqara pyramids)	Egypt	29° 51' 00" N 31° 13' 00" E	19 m
Abbotsford	South Africa	32° 57' 45" S 27° 55' 00" E	20 m
Al Qasr, 5 mi W Mersa Matruh (see also: El Qasr, Mersa Matruh, 5 mi [=8 km] W)	Egypt	31° 22' 00" N 27° 07' 00" E	20 m
Ambatoharanana cave (see also: Amboandriky, 2.2 km ESE, Crocodile cave, Grotte d'Ambatoharanana)	Madagascar	12° 59' 18" S 49° 01' 18" E	20 m
Amboandriky, 2.2 km ESE (see Ambatoharanana cave)	Madagascar	12° 59' 18" S 49° 01' 18" E	20 m
Analalava Forest, 6 km N Manantenina (see also: Forêt d'Analalava, Manantenina, 6 km N)	Madagascar	24° 12' 00" S 47° 16' 00" E	ca. 20 m
Bat's cave	South Africa	34° 02' 00" S 25° 32' 00" E	20 m
Bluff Nature Reserve	South Africa	29° 55' 59" S 30° 59' 36" E	20 m
Charter's Creek, W shores Lake St. Lucia	South Africa	28° 12' 00" S 32° 24' 50" E	20 m
Coffee Bar (see Coffee Bay)	South Africa	31° 58' 00" S 29° 09' 00" E	20 m
Coffee Bay (see also: Coffee Bar, Koffiebaai)	South Africa	31° 58' 00" S 29° 09' 00" E	20 m
Collège d'Ouani (see Ouani College)	Comoro Islands	12° 08' 08" S 44° 25' 28" E	20 m
Crocodile cave (see Ambatoharanana cave)	Madagascar	12° 59' 18" S 49° 01' 18" E	20 m
Deutschmann's Camp, 0.3 km S, 0.2 km W Umngazana River Mouth (see also: Umngazana River Mouth, 0.3 km S, 0.2 km W)	South Africa	31° 41' 40" S 29° 25' 10" E	20 m
Dwarskersbos, 11 km N, 9 km W (see Rocher Pan Nature Reserve)	South Africa	32° 37' 00" S 18° 22' 00" E	20 m
Dwarskersbos, 9.1 km N, 6.6 km E (see Rocherpan Nature Reserve)	South Africa	32° 36' 00" S 18° 19' 00" E	20 m
East London (see also: Oos-Londen)	South Africa	33° 00' 00" S 27° 55' 00" E	20 m
El Qasr (see Al Qasr), 5 mi W Mersa Matruh	Egypt	31° 22' 00" N 27° 07' 00" E	20 m
Étang Salé (see also: Étan-Salé-les-Hauts, L'Étang-Salé)	Réunion	21° 15' 00" S 55° 23' 00" E	20 m
Étan-Salé-les-Hauts (see Étang Salé)	Réunion	21° 15' 00" S 55° 23' 00" E	20 m
Forêt d'Analalava (see Analalava Forest), 6 km N Manantenina	Madagascar	24° 12' 00" S 47° 16' 00" E	ca. 20 m
Fort-Dauphin (see Tolanaro)	Madagascar	25° 02' 00" S 47° 00' 00" E	20 m
Grotte d'Ambatoharanana (see Ambatoharanana cave)	Madagascar	12° 59' 18" S 49° 01' 18" E	20 m
Ipheva camp site, St. Lucia, 2 km N St. Lucia Village (see also: Iphiva Camp, St. Lucia Village, 2 km N)	South Africa	28° 21' 11" S 32° 25' 50" E	20 m
Iphiva Camp (see Ipheva camp site)	South Africa	28° 21' 00" S 32° 25' 00" E	20 m
Jesser Point, 2.5 km S (see Sodwana Bay)	South Africa	27° 33' 00" S 32° 40' 00" E	20 m
Kaédi, W edge	Mauritania	16° 08' 55" N 13° 30' 58" W	20 m
Keurbooms Nature Reserve, 6 km N, 2.5 km E Plettenberg Bay (see also: Keurboomsrivier Nature Reserve, Plettenberg Bay, 6 km N, 2.5 km E)	South Africa	34° 00' 00" S 23° 24' 00" E	20 m
Keurboomsrivier Nature Reserve (see Keurbooms Nature Reserve)	South Africa	34° 00' 00" S 23° 24' 00" E	20 m
Koffiebaai (see Coffee Bay)	South Africa	31° 58' 00" S 29° 09' 00" E	20 m
Koutang (see Koutango)	Senegal	13° 40' 00" N 16° 05' 00" W	20 m
Koutango (see also: Koutang, Kutang)	Senegal	13° 40' 00" N 16° 05' 00" W	20 m
Kutang (see Koutango)	Senegal	13° 40' 00" N 16° 05' 00" W	20 m
L'Étang-Salé (see Étang Salé)	Réunion	21° 15' 00" S 55° 23' 00" E	20 m
Manafiafy, 2 - 3 km NW (see Sainte-Luce Forest (1))	Madagascar	24° 47' 00" S 47° 12' 00" E	20 m
Manafiafy, 4 km SSE (see Sainte-Luce Forest (2))	Madagascar	24° 49' 00" S 47° 10' 00" E	20 m
Manambaro, 5 - km SE (see Petriky Forest)	Madagascar	25° 04' 01" S 46° 52' 59" E	20 m
Manantenina, 6 km N (see Analalava Forest)	Madagascar	24° 12' 00" S 47° 16' 00" E	ca. 20 m
Mandena Forest	Madagascar	24° 58' 01" S 47° 01' 59" E	20 m
Marahubi (see Marahubi Mlangoni), Zanzibar	Tanzania	6° 09' 00" S 39° 13' 00" E	20 m
Marahubi Mlangoni, Zanzibar (see also: Marahubi, Marhubi)	Tanzania	6° 09' 00" S 39° 13' 00" E	20 m
Marhubi (see Marahubi Mlangoni), Zanzibar	Tanzania	6° 09' 00" S 39° 13' 00" E	20 m
Mersa Matruh, 5 mi [=8 km] W (see Al Qasr)	Egypt	31° 22' 00" N 27° 07' 00" E	20 m
Mlola Forest (see Mlolo Forest)	Tanzania	7° 51' 14" S 39° 46' 49" E	20 m

Mlolo Forest (see also: Mlola Forest)	Tanzania	7° 53' 00" S 39° 51' 00" E	20 m
Murray Town	Sierra Leone	8° 29' 37" N 13° 15' 55" W	20 m
Oani College (see Ouani College), primary school	Comoro Islands	12° 08' 08" S 44° 25' 28" E	20 m
Ouani College, primary school (see also: Collège d'Ouani, Oani College, Ouany College)	Comoro Islands	12° 08' 08" S 44° 25' 28" E	20 m
Ouany College (see Ouani College), primary school	Comoro Islands	12° 08' 08" S 44° 25' 28" E	20 m
Petriky Forest, 5 - 7 km SE Manambaro (see also: Manambaro, 5 - km SE)	Madagascar	25° 04' 01" S 46° 52' 59" E	20 m
Plettenberg Bay, 6 km N, 2.5 km E (see Keurbooms Nature Reserve)	South Africa	34° 00' 00" S 23° 24' 00" E	20 m
Rocher pan (see Rocher Pan Nature Reserve), 11 km N, 9 km W, Dwarskersbos	South Africa	32° 37' 00" S 18° 22' 00" E	20 m
Rocher Pan Nature Reserve, 11 km N, 9 km W, Dwarskersbos (see also: Dwarskersbos, 11 km N, 9 km W, Rocher pan, Rocherpan Nature Reserve)	South Africa	32° 37' 00" S 18° 22' 00" E	20 m
Rocherpan Nature Reserve (see Rocher Pan Nature Reserve), 11 km N, 9 km W, Dwarskersbos (see also: Dwarskersbos, 9.1 km N, 6.6 km E)	South Africa	32° 36' 00" S 18° 19' 00" E	20 m
Sainte-Luce Forest (1), 2 - 3 km NW Manafiafy (see also: Manafiafy, 2 - 3 km NW)	Madagascar	24° 47' 00" S 47° 12' 00" E	20 m
Sainte-Luce Forest (2), 2 - 3 km NW Manafiafy (see also: Manafiafy, 4 km SSE)	Madagascar	24° 49' 00" S 47° 10' 00" E	20 m
Sodwana Bay, 2.5 km S Jesser Point (see also: Jesser Point, 2.5 km S, Sodwana Bay Estuary, Sordwana Bay, Sordwanabaai)	South Africa	27° 33' 00" S 32° 40' 00" E	20 m
Sodwana Bay Estuary (see Sodwana Bay)	South Africa	27° 33' 00" S 32° 40' 00" E	20 m
Sordwana Bay (see Sodwana Bay)	South Africa	27° 33' 00" S 32° 40' 00" E	20 m
Sordwanabaai (see Sodwana Bay)	South Africa	27° 33' 00" S 32° 40' 00" E	20 m
St. Lucia Village, 2 km N (see Ipheva camp site)	South Africa	28° 21' 00" S 32° 25' 00" E	20 m
Strand	South Africa	34° 06' 02" S 18° 49' 23" E	20 m
Tiguent	Mauritania	17° 14' 25" N 16° 05' 16" W	20 m
Tolagnaro, 2 km WNW	Madagascar	25° 01' 01" S 46° 58' 59" E	20 m
Tôla?aro (see Tolanaro)	Madagascar	25° 02' 00" S 47° 00' 00" E	20 m
Tolanaro (see also: Faradofay, Fort-Dauphin, Taolanara, Tôla?aro, Tolanaro)	Madagascar	25° 02' 00" S 47° 00' 00" E	20 m
Toliara (see also: Toliary, Tuléar, Tullear)	Madagascar	23° 21' 00" S 43° 40' 00" E	20 m
Toliary (see Toliara)	Madagascar	23° 21' 00" S 43° 40' 00" E	20 m
Tuléar (see Toliara)	Madagascar	23° 21' 00" S 43° 40' 00" E	20 m
Tullear (see Toliara)	Madagascar	23° 21' 00" S 43° 40' 00" E	20 m
Umngazana River Mouth, 0.3 km S, 0.2 km W (see Deutschmann's Camp)	South Africa	31° 41' 40" S 29° 25' 10" E	20 m
Al Badrashayn (see also: Badrashên, El Badrshein, El-Badrshein)	Egypt	29° 51' 00" N 31° 16' 00" E	21 m
Al Khatatibah (see also: El Kha?a?ba)	Egypt	30° 23' 00" N 30° 50' 00" E	21 m
Badrashên (see Al Badrashayn)	Egypt	29° 51' 00" N 31° 16' 00" E	21 m
Bissalanca	Guinea-Bissau	11° 53' 00" N 15° 41' 00" W	21 m
Dahshur	Egypt	29° 45' 00" N 31° 14' 00" E	21 m
El Badrshein (see Al Badrashayn)	Egypt	29° 51' 00" N 31° 16' 00" E	21 m
El Kha?a?ba (see Al Khatatibah)	Egypt	30° 23' 00" N 30° 50' 00" E	21 m
El-Badrshein (see Al Badrashayn)	Egypt	29° 51' 00" N 31° 16' 00" E	21 m
Kijijini village	Tanzania	4° 54' 06" S 39° 41' 17" E	21 m
Machaga caves	Tanzania	6° 17' 14" S 39° 24' 08" E	21 m
Toniataba (see also: Tonitaba)	The Gambia	13° 26' 00" N 15° 35' 00" W	21 m
Tonitaba (see Toniataba)	The Gambia	13° 26' 00" N 15° 35' 00" W	21 m
Al ‘Aquriyah (see Tukrah)	Libya	32° 31' 54" N 20° 34' 22" E	22 m
Al Qahirah (see also: Cairo, Cairo Citadel, El Kahira, El Kahirah, El-Qâhira, Kairo, Le Caire, Masr, Misr)	Egypt	30° 03' 00" N 31° 15' 00" E	22 m
Boa Esperança (see Ponta Boa Esperança)	Guinea-Bissau	11° 53' 00" N 15° 46' 00" W	22 m
Cairo (see Al Qahirah)	Egypt	30° 03' 00" N 31° 15' 00" E	22 m
Cairo Citadel (see Al Qahirah)	Egypt	30° 03' 00" N 31° 15' 00" E	22 m
El Kahira (see Al Qahirah)	Egypt	30° 03' 00" N 31° 15' 00" E	22 m
El Kahirah (see Al Qahirah)	Egypt	30° 03' 00" N 31° 15' 00" E	22 m
El-Qâhira (see Al Qahirah)	Egypt	30° 03' 00" N 31° 15' 00" E	22 m
Gîza (see also: Giza, Gizah, Gizeh)	Egypt	30° 00' 29" N 31° 12' 39" E	22 m
Giza (see Gîza)	Egypt	30° 00' 29" N 31° 12' 39" E	22 m
Gizah (see Gîza)	Egypt	30° 00' 29" N 31° 12' 39" E	22 m

Gizeh (see Gîza), near Cairo	Egypt		30° 00' 29" N 31° 12' 39" E	22 m
Kairo (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
Le Caire (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
Masr (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
Misr (see Al Qahirah)	Egypt		30° 03' 00" N 31° 15' 00" E	22 m
Ponta Boa Esperança (see also: Boa Esperança, Ponta Robalo)	Guinea-Bissau		11° 53' 00" N 15° 46' 00" W	22 m
Ponta Robalo (see Ponta Boa Esperança)	Guinea-Bissau		11° 53' 00" N 15° 46' 00" W	22 m
Sangaleam (see Sangalkam)	Senegal		14° 46' 52" N 17° 13' 40" W	22 m
Sangalkam (see also: Sangaleam)	Senegal		14° 46' 52" N 17° 13' 40" W	22 m
Tamatave (see Toamasina)	Madagascar		18° 10' 00" S 49° 23' 00" E	22 m
Taukra (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Teuchira (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Toamasina (see also: Tamatave)	Madagascar		18° 10' 00" S 49° 23' 00" E	22 m
Tocra (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Tokrah (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Tukrah (see also: Al ‘Aquriyah, Taukra, Teuchira, Tocra, Tokrah, Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Tukrah (see Tukrah)	Libya		32° 31' 54" N 20° 34' 22" E	22 m
Diourbei (see Diourbel)	Senegal		14° 39' 46" N 16° 23' 33" W	23 m
Diourbel (see also: Diourbei)	Senegal		14° 39' 46" N 16° 23' 33" W	23 m
Ikingi Mariut (see Ikinji Maryut)	Egypt		30° 59' 33" N 29° 46' 00" E	23 m
Ikingi Maryut (see Ikinji Maryut)	Egypt		30° 59' 33" N 29° 46' 00" E	23 m
Ikinj Maryut (see Ikinji Maryut)	Egypt		30° 59' 33" N 29° 46' 00" E	23 m
Ikinji Maryut (see also: Ikingi Mariut, Ikingi Maryut, Ikinj Maryut)	Egypt		30° 59' 33" N 29° 46' 00" E	23 m
Koukany (see Kounkané)	Senegal		12° 56' 00" N 14° 05' 00" W	23 m
Koumkandé (see Kounkané)	Senegal		12° 56' 00" N 14° 05' 00" W	23 m
Kounkané (see also: Koukany, Koumkandé)	Senegal		12° 56' 00" N 14° 05' 00" W	23 m
Perna Perna Resort	South Africa		28° 22' 43" S 32° 24' 40" E	23 m
Bani Suwayf (see also: Bani Suwayf, Bani Szuvajf kormányzóság, Beni Souef, Beni Sue, Beni Suef, Beni Suweif)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Bani Suwayf (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Bani Szuvajf kormányzóság (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Beni Souef (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Beni Sue (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Beni Suef (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Beni Suweif (see Bani Suwayf)	Egypt		29° 04' 28" N 31° 05' 52" E	24 m
Doonside	South Africa		30° 04' 00" S 30° 53' 00" E	24 m
Paynesville (see also: Paynsville)	Liberia		6° 16' 32" N 10° 43' 04" W	24 m
Paynsville (see Paynesville)	Liberia		6° 16' 32" N 10° 43' 04" W	24 m
Rabat	Morocco		34° 00' 50" N 6° 50' 39" W	24 m
Zinga, Kilwa	Tanzania		6° 31' 00" S 38° 59' 00" E	24 m
Abu Ghaleb, 2 km N (see also: Abu Ghalib, 2 km N)	Egypt	ca.	30° 16' 00" N 30° 56' 00" E	ca. 25 m
Abu Ghalib, 2 km N (see Abu Ghaleb, 2 km N)	Egypt	ca.	30° 16' 00" N 30° 56' 00" E	ca. 25 m
Ampanibe, N Bank Manampanihy/Iavibola River	Madagascar		24° 16' 01" S 47° 19' 07" E	25 m
Edéa	Cameroon		3° 48' 00" N 10° 08' 00" E	25 m
Kilwa (see Kilwa Kivinje)	Tanzania		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa Kivinje (see also: Kilwa, Kilwa-Kiwindje, Kilwa-Kiwindsche)	Tanzania		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa-Kiwindje (see Kilwa Kivinje)	Tanzania		8° 45' 00" S 39° 24' 00" E	25 m
Kilwa-Kiwindsche (see Kilwa Kivinje)	Tanzania		8° 45' 00" S 39° 24' 00" E	25 m
Kwabaniani caves	Tanzania		6° 09' 37" S 39° 20' 56" E	25 m
Manamabato (see Manambato)	Madagascar		24° 31' 00" S 47° 16' 00" E	25 m
Manambato (see also: Manamabato)	Madagascar		24° 31' 00" S 47° 16' 00" E	25 m
Tampina	Madagascar		18° 30' 00" S 49° 16' 00" E	25 m
Ain Mokra (see Berrahal)	Algeria		36° 50' 07" N 7° 27' 12" E	26 m
Berrahal (see also: Ain Mokra)	Algeria		36° 50' 07" N 7° 27' 12" E	26 m
Andadoany, 1.8 km SE and 0.6 km NE (see Bekopake), just outside the limit of the Parc national de Bemaraha	Madagascar		19° 09' 00" S 44° 48' 00" E	27 m
Bakel	Senegal		14° 54' 00" N 12° 27' 00" W	27 m

Bekopake, just outside the limit of the Parc national de Bemaraha (see also: Andadoany, 1.8 km SE and 0.6 km NE)	Madagascar		19° 09' 00" S 44° 48' 00" E	27 m
Brekana (see Brikama Ba)	The Gambia		13° 32' 00" N 14° 56' 00" W	27 m
Brikama (see Brikama Ba)	The Gambia		13° 32' 00" N 14° 56' 00" W	27 m
Brikama Ba (see also: Brekana, Brikama, Brikama Bar)	The Gambia		13° 32' 00" N 14° 56' 00" W	27 m
Brikama Bar (see Brikama Ba)	The Gambia		13° 32' 00" N 14° 56' 00" W	27 m
Matam, 13 km SW (see Ogo)	Senegal		15° 33' 00" N 13° 17' 00" W	27 m
Ogo, 13 km SW Matam (see also: Matam, 13 km SW)	Senegal		15° 33' 00" N 13° 17' 00" W	27 m
Al Mansuriyah (see also: El Mansuriya, El-Man?ûrîya)	Egypt		30° 08' 13" N 31° 04' 17" E	28 m
Dayte cave	Tanzania		6° 03' 22" S 39° 22' 16" E	28 m
El Mansuriya (see Al Mansuriyah)	Egypt		30° 08' 13" N 31° 04' 17" E	28 m
El-Man?ûrîya (see Al Mansuriyah)	Egypt		30° 08' 13" N 31° 04' 17" E	28 m
Garsen	Kenya		2° 16' 11" S 40° 07' 12" E	28 m
Hamar (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Itampolo	Madagascar		24° 41' 00" S 43° 57' 00" E	28 m
Magadiscio (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Maqdishu (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Matam	Senegal		15° 37' 03" N 13° 19' 49" W	28 m
Mogadiisho (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadischu (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadiscio (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadiscio (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadish (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadishiu (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadisho (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mogadishu (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Moqdisho (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Muqdisho (see also: Hamar, Magadiscio, Maqdishu, Mogadiisho, Mogadischu, Mogadiscio, Mogadiscio, Mogadish, Mogadishiu, Mogadisho, Mogadishu, Moqdisho, Muqdishow, Muqdishu, Xamar)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Muqdishow (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Muqdishu (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Mziki Pan	South Africa		27° 42' 05" S 32° 24' 50" E	28 m
Rossburgh	South Africa		29° 54' 21" S 30° 58' 47" E	28 m
Sarnia road, 28	South Africa		29° 53' 21" S 30° 58' 59" E	28 m
Xamar (see Muqdisho)	Somalia		2° 04' 00" N 45° 22' 00" E	28 m
Kiwengwa-Pongwe Forest Reserve cave	Tanzania		6° 00' 43" S 39° 22' 03" E	29 m
Orange Mouth (see Oranjemund), Swartkop Diamond area Nr 1	Namibia		28° 33' 00" S 16° 26' 00" E	29 m
Orangemund (see Oranjemund), Swartkop Diamond area Nr 1	Namibia		28° 33' 00" S 16° 26' 00" E	29 m
Oranjemond (see Oranjemund), Swartkop Diamond area Nr 1	Namibia		28° 33' 00" S 16° 26' 00" E	29 m
Oranjemund, Swartkop Diamond area Nr 1 (see also: Orange Mouth, Orangemund, Oranjemond, Swartkop Diamond Area No.1)	Namibia		28° 33' 00" S 16° 26' 00" E	29 m
Port Elisabeth	South Africa		33° 58' 00" S 25° 35' 00" E	29 m
Port Elizabeth	South Africa	ca.	33° 58' 00" S 25° 38' 00" E	29 m
Swartkop Diamond Area No.1 (see Oranjemund)	Namibia		28° 33' 00" S 16° 26' 00" E	29 m
Umgeni Heights	South Africa		29° 48' 29" S 31° 01' 30" E	29 m
Accra, 9 mi [=14.5 km] NNE (see Legon)	Ghana		5° 39' 00" N 0° 11' 00" W	30 m
Antanandava, 5.8 km NE Beroboka Sud (see also: Beroboka Sud, 5.8 km NE)	Madagascar		19° 55' 47" S 44° 36' 21" E	30 m
Beroboka Sud, 5.8 km NE (see Antanandava)	Madagascar		19° 55' 47" S 44° 36' 21" E	30 m
Congona (see Kango)	Gabon		0° 09' 00" N 10° 08' 00" E	30 m
Despatch	South Africa		33° 47' 00" S 25° 28' 00" E	30 m
Ebb-And-Flow (see also: Wildernis, 1 km N, 3 km E)	South Africa		33° 59' 00" S 22° 36' 00" E	30 m
Eenheid, Farm (see Farm Eenheid)	South Africa		32° 34' 03" S 18° 40' 44" E	30 m
Elandsbaai, 28.4 km S, 31.7 km E (see Farm Eenheid)	South Africa		32° 34' 03" S 18° 40' 44" E	30 m
Elim, 17.5 km S, 5.7 km W (see Farm Ratelfontein)	South Africa		34° 44' 50" S 19° 41' 45" E	30 m
Farm Eenheid, 28.4 km S, 31.7 km E Elandsbaai (see also: Eenheid, Farm, Elandsbaai, 28.4 km S, 31.7 km E)	South Africa		32° 34' 03" S 18° 40' 44" E	30 m
Farm Ratelfontein, 17.5 km S, 5.7 km W Elim (see also: Elim, 17.5 km S, 5.7 km W, Ratelfontein, Farm)	South Africa		34° 44' 50" S 19° 41' 45" E	30 m
Forêt de Marovony (see Marovony Forest)	Madagascar		24° 04' 00" S 47° 20' 00" E	30 m

Garsen, 6 mi [=9.6 km] E	Kenya	2° 16' 11" S 40° 07' 12" E	30 m
Goukamma Nature Reserve, 3.0 km S, 10.0 km W Knysna (see also: Knysna, 3.0 km S, 10.0 km W, Knysna, 3.8 km S, 9,3 km W)	South Africa	34° 03' 00" S 22° 56' 00" E	30 m
Kango (see also: Congona)	Gabon	0° 09' 00" N 10° 08' 00" E	30 m
Knysna, 3.0 km S, 10.0 km W (see Goukamma Nature Reserve)	South Africa	34° 03' 00" S 22° 56' 00" E	30 m
Knysna, 3.8 km S, 9,3 km W (see Goukamma Nature Reserve)	South Africa	34° 03' 00" S 22° 56' 00" E	30 m
Kowie (see Port Alfred)	South Africa	33° 36' 00" S 26° 54' 00" E	30 m
Legion (see Legon), 9 mi [=14.5 km] NNE Accra	Ghana	5° 39' 00" N 0° 11' 00" W	30 m
Legon, 9 mi [=14.5 km] NNE Accra (see also: Accra, 9 mi [=14.5 km] NNE, Legion, Legon University, University of Ghana)	Ghana	5° 39' 00" N 0° 11' 00" W	30 m
Lourenco Marques, 2 mi [=3.2 km] N	Mozambique	25° 57' 55" S 32° 35' 21" E	30 m
Marovony Forest (see also: Forêt de Marovony)	Madagascar	24° 04' 00" S 47° 20' 00" E	30 m
Mbeut Ndanguène (see Mbeute)	Senegal	14° 47' 28" N 17° 10' 00" W	30 m
Mbeute (see also: Mbeut Ndanguène, Mbout)	Senegal	14° 47' 28" N 17° 10' 00" W	30 m
Mbout (see Mbeute)	Senegal	14° 47' 28" N 17° 10' 00" W	30 m
Nyambiza Village	Tanzania	6° 12' 00" S 39° 20' 00" E	30 m
Port Alfred (see also: Kowie, The Kowie)	South Africa	33° 36' 00" S 26° 54' 00" E	30 m
Ratelfontein, Farm (see Farm Ratelfontein)	South Africa	34° 44' 50" S 19° 41' 45" E	30 m
Roches Noires, 3.0 km W (see Twilight cave)	Mauritius	20° 07' 03" S 57° 42' 10" E	30 m
The Kowie (see Port Alfred)	South Africa	33° 36' 00" S 26° 54' 00" E	30 m
Twilight cave, 3.0 km W Roches Noires (see also: Roches Noires, 3.0 km W)	Mauritius	20° 07' 03" S 57° 42' 10" E	30 m
Utwani Forest Reserve (see Witu Forest)	Kenya	2° 21' 34" S 40° 31' 27" E	30 m
Wildernis, 1 km N, 3 km E (see Ebb-And-Flow)	South Africa	33° 59' 00" S 22° 36' 00" E	30 m
Witu Forest (see also: Utwani Forest Reserve)	Kenya	2° 21' 34" S 40° 31' 27" E	30 m
Mombasa, 10 km S (see Ngombeni location)	Kenya	4° 07' 49" S 39° 36' 51" E	31 m
Mombasa, 11 km S (see Ngombeni location)	Kenya	4° 07' 49" S 39° 36' 51" E	31 m
Ngombeni (see Ngombeni location), 10 km S Mombasa	Kenya	4° 07' 49" S 39° 36' 51" E	31 m
Ngombeni caves (see Ngombeni location), 11 km S Mombasa	Kenya	4° 07' 49" S 39° 36' 51" E	31 m
Ngombeni location (see also: Mombasa, 10 km S, Mombasa, 11 km S, Ngombeni, Ngombeni caves, Ngomheni, Similani caves)	Kenya	4° 07' 49" S 39° 36' 51" E	31 m
Ngomheni (see Ngombeni location), 10 km S Mombasa	Kenya	4° 07' 49" S 39° 36' 51" E	31 m
Similani caves (see Ngombeni location), 10 km S Mombasa	Kenya	4° 07' 49" S 39° 36' 51" E	31 m
Utete	Tanzania	7° 59' 00" S 38° 47' 00" E	31 m
Al Kharijah	Egypt	25° 26' 00" N 30° 33' 00" E	32 m
Al-Kharga (see El Wadi El Gedid governorate)	Egypt	25° 26' 00" N 30° 33' 00" E	32 m
Diatakounda (see Diattakounda)	Senegal	12° 34' 11" N 15° 41' 03" W	32 m
Diattacounda (see Diattakounda)	Senegal	12° 34' 11" N 15° 41' 03" W	32 m
Diattakounda (see also: Diatakounda, Diattacounda, Yatacounda, Yatakou, Yatakounda, Yatakunda)	Senegal	12° 34' 11" N 15° 41' 03" W	32 m
El Khârga (see El Wadi El Gedid governorate)	Egypt	25° 26' 00" N 30° 33' 00" E	32 m
El-Charge (see El Wadi El Gedid governorate)	Egypt	25° 26' 00" N 30° 33' 00" E	32 m
Keneba (see also: Kenniba)	The Gambia	13° 19' 44" N 16° 00' 54" W	32 m
Kenniba (see Keneba)	The Gambia	13° 19' 44" N 16° 00' 54" W	32 m
Kharga Oasis (see El Wadi El Gedid governorate)	Egypt	25° 26' 00" N 30° 33' 00" E	32 m
Mpéré (see also: Mperi, Ompéré)	Gabon	1° 41' 00" S 9° 41' 00" E	32 m
Mperi (see Mpéré)	Gabon	1° 41' 00" S 9° 41' 00" E	32 m
Ompéré (see Mpéré)	Gabon	1° 41' 00" S 9° 41' 00" E	32 m
Temple of Hibis (see El Wadi El Gedid governorate)	Egypt	25° 26' 00" N 30° 33' 00" E	32 m
Yatacounda (see Diattakounda)	Senegal	12° 34' 11" N 15° 41' 03" W	32 m
Yatakou (see Diattakounda)	Senegal	12° 34' 11" N 15° 41' 03" W	32 m
Yatakounda (see Diattakounda)	Senegal	12° 34' 11" N 15° 41' 03" W	32 m
Yatakunda (see Diattakounda)	Senegal	12° 34' 11" N 15° 41' 03" W	32 m
Al Arish (see Al'Arish)	Egypt	31° 07' 34" N 33° 48' 07" E	33 m
Al'Arish (see also: Al Arish, City of Cut Noses, El Arish, El-'Arîsh, Rhinocolorum, Rhinocolura, Rhinocorura, Rhinokorura)	Egypt	31° 07' 34" N 33° 48' 07" E	33 m
Bandia (see Bandia Sessène)	Senegal	14° 37' 30" N 17° 01' 43" W	33 m

Bandia Sessène (see also: Bandia)	Senegal	14° 37' 30" N 17° 01' 43" W	33 m
City of Cut Noses (see Al'Arish)	Egypt	31° 07' 34" N 33° 48' 07" E	33 m
El Arish (see Al'Arish)	Egypt	31° 07' 34" N 33° 48' 07" E	33 m
El-'Arîsh (see Al'Arish)	Egypt	31° 07' 34" N 33° 48' 07" E	33 m
Rhinocolorum (see Al'Arish)	Egypt	31° 07' 34" N 33° 48' 07" E	33 m
Rhinocolura (see Al'Arish)	Egypt	31° 07' 34" N 33° 48' 07" E	33 m
Rhinocorura (see Al'Arish)	Egypt	31° 07' 34" N 33° 48' 07" E	33 m
Rhinokorura (see Al'Arish)	Egypt	31° 07' 34" N 33° 48' 07" E	33 m
Sédhiou (see also: Sedhiu)	Senegal	12° 42' 29" N 15° 33' 25" W	33 m
Sedhiu (see Sédhiou)	Senegal	12° 42' 29" N 15° 33' 25" W	33 m
Umdloti	South Africa	29° 40' 21" S 31° 06' 56" E	33 m
Apapa, 6 mi E Lagos (see also: Lagos, 6 mi [=9.7 km] E)	Nigeria	6° 26' 44" N 3° 21' 33" E	34 m
Badi	Senegal	13° 09' 00" N 13° 14' 00" W	34 m
Betanty (see also: Faux Cap, Port de Faux Cap)	Madagascar	25° 34' 00" S 45° 31' 00" E	34 m
Faux Cap (see Betanty)	Madagascar	25° 34' 00" S 45° 31' 00" E	34 m
Kebili, Nefzaoua (see also: Qibili)	Tunisia	33° 42' 07" N 8° 58' 25" E	34 m
Lagos	Nigeria	6° 27' 11" N 3° 23' 45" E	34 m
Lagos, 6 mi [=9.7 km] E (see Apapa)	Nigeria	6° 26' 44" N 3° 21' 33" E	34 m
Mount Moreland, 12 Williams Road	South Africa	29° 38' 33" S 31° 05' 37" E	34 m
Port de Faux Cap (see Betanty)	Madagascar	25° 34' 00" S 45° 31' 00" E	34 m
Qibili (see Kebili), Nefzaoua	Tunisia	33° 42' 07" N 8° 58' 25" E	34 m
Saboya, Nioro du Rip	Senegal	13° 37' 06" N 16° 05' 01" W	34 m
Al Walidiyah (see also: El Wilidiya)	Egypt	27° 12' 00" N 31° 10' 00" E	35 m
Andranomanitsy Forest, 24.5 km N Besalampy (see also: Besalampy, 24.5 km N)	Madagascar	16° 31' 28" S 44° 29' 23" E	35 m
Besalampy, 24.5 km N (see Andranomanitsy Forest)	Madagascar	16° 31' 28" S 44° 29' 23" E	35 m
Briardene	South Africa	29° 47' 53" S 31° 00' 56" E	35 m
El Wilidiya (see Al Walidiyah)	Egypt	27° 12' 00" N 31° 10' 00" E	35 m
Luala I, near (see Ouallah I, near), along Akomodjou River	Comoro Islands	12° 19' 23" S 43° 40' 04" E	35 m
Luala II (see Ouallah II), primary school	Comoro Islands	12° 20' 41" S 43° 40' 15" E	35 m
Ouala I, near (see Ouallah I, near), along Akomodjou River	Comoro Islands	12° 19' 23" S 43° 40' 04" E	35 m
Ouala II (see Ouallah II), primary school	Comoro Islands	12° 20' 41" S 43° 40' 15" E	35 m
Ouallah I, near, along Akomodjou River (see also: Luala I, near, Ouala I, near)	Comoro Islands	12° 19' 23" S 43° 40' 04" E	35 m
Ouallah II, primary school (see also: Luala II, Ouala II)	Comoro Islands	12° 20' 41" S 43° 40' 15" E	35 m
Ranérou	Senegal	15° 18' 00" N 13° 59' 48" W	35 m
Aitedjou (see also: Ayetédjoun)	Benin	6° 39' 00" N 2° 44' 00" E	36 m
Amboni Cave Forest (see Mkulumuzi River Gorge), 2.5 km W Tanga	Tanzania	5° 04' 00" S 39° 03' 00" E	36 m
Ayetédjoun (see Aitedjou)	Benin	6° 39' 00" N 2° 44' 00" E	36 m
Bulaq	Egypt	25° 12' 00" N 30° 32' 00" E	36 m
La Sounda (see Sounda)	Congo	4° 05' 00" S 12° 08' 00" E	36 m
Lamin	The Gambia	13° 23' 13" N 16° 38' 41" W	36 m
Mkulumuzi River Gorge, 2.5 km W Tanga (see also: Amboni Cave Forest, Tanga, 2.5 km W)	Tanzania	5° 04' 00" S 39° 03' 00" E	36 m
Sounda (see also: La Sounda)	Congo	4° 05' 00" S 12° 08' 00" E	36 m
Tanga, 2.5 km W (see Mkulumuzi River Gorge)	Tanzania	5° 04' 00" S 39° 03' 00" E	36 m
Umkomaas	South Africa	30° 12' 00" S 30° 48' 00" E	36 m
Dakar	Senegal	14° 40' 15" N 17° 26' 17" W	37 m
Heracleopolis Magna	Egypt	29° 05' 21" N 30° 56' 28" E	37 m
Herakleouspolis Magna	Egypt	29° 05' 21" N 30° 56' 28" E	37 m
Herakleouspolis Megalé	Egypt	29° 05' 21" N 30° 56' 28" E	37 m
Hierakopolis	Egypt	29° 05' 21" N 30° 56' 28" E	37 m
Ihnasiyat al Madinah	Egypt	29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madina	Egypt	29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madinah	Egypt	29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya al Madinah	Egypt	29° 05' 21" N 30° 56' 28" E	37 m
Ihnasya el Madîna	Egypt	29° 05' 21" N 30° 56' 28" E	37 m
Ihnasyat al Madinah	Egypt	29° 05' 21" N 30° 56' 28" E	37 m
Pongola River Bridge, on Jozini - Kosi Road	South Africa	27° 02' 13" S 32° 15' 58" E	37 m
Borto-Novo (see Porto-Novo)	Benin	6° 29' 00" N 2° 37' 00" E	38 m
Idenau, 48 km W Bota	Cameroon	4° 14' 00" N 8° 59' 00" E	38 m
Jiboroh (see Jiboroh Kuta)	The Gambia	13° 11' 18" N 16° 34' 25" W	38 m

Jiboroh Kuta (see also: Jiboroh)	The Gambia	13° 11' 18" N 16° 34' 25" W	38 m
Manzil Tamim (see Menzel Temime)	Tunisia	36° 46' 56" N 10° 59' 15" E	38 m
Manzil Tamim (see Menzel Temime)	Tunisia	36° 46' 56" N 10° 59' 15" E	38 m
Mennzel Temine (see Menzel Temime)	Tunisia	36° 46' 56" N 10° 59' 15" E	38 m
Menzel Jemime (see Menzel Temime)	Tunisia	36° 46' 56" N 10° 59' 15" E	38 m
Menzel Temime (see also: Manzil Tamim, Manzil Tamim, Mennzel Temine, Menzel Jemime, Menzel Temine, Menzel Termine, Menzel-Temimi, Mezel Temime)	Tunisia	36° 46' 56" N 10° 59' 15" E	38 m
Menzel Temine (see Menzel Temime)	Tunisia	36° 46' 56" N 10° 59' 15" E	38 m
Menzel Termine (see Menzel Temime)	Tunisia	36° 46' 56" N 10° 59' 15" E	38 m
Menzel-Temimi (see Menzel Temime)	Tunisia	36° 46' 56" N 10° 59' 15" E	38 m
Mezel Temime (see Menzel Temime)	Tunisia	36° 46' 56" N 10° 59' 15" E	38 m
Porto Novas (see Porto-Novo)	Benin	6° 29' 00" N 2° 37' 00" E	38 m
Porto Novo National Botanical Garden (see Porto-Novo)	Benin	6° 29' 00" N 2° 37' 00" E	38 m
Porto-Novo (see also: Borto-Novo, Porto Novas, Porto Novo National Botanical Garden, Portus Novus)	Benin	6° 29' 00" N 2° 37' 00" E	38 m
Portus Novus (see Porto-Novo)	Benin	6° 29' 00" N 2° 37' 00" E	38 m
Al Fayyum (see also: Arsinoë, Crocodilopolis, El Faiyûm, Faiyoum, Fayoom, Fayoum, Fayoum, caves, Fayum, Fayyoum, Fayyum, Madinet el Faiyum, Médinat el-Fayoum, Medinat Fayum, Medinet el Fayum, Shedit)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Arsinoë (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Benguela (see also: Benguella, São Félipe de Benguela)	Angola	12° 34' 42" S 13° 24' 26" E	39 m
Benguella (see Benguela)	Angola	12° 34' 42" S 13° 24' 26" E	39 m
Bissorã (see also: Bissoram)	Guinea-Bissau	12° 13' 23" N 15° 26' 51" W	39 m
Bissoram (see Bissorã)	Guinea-Bissau	12° 13' 23" N 15° 26' 51" W	39 m
Crocodilopolis (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
El Faiyûm (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Faiyoum (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Fayoom (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Fayoum (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Fayoum, caves (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Fayum (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Fayyoum (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Fayyum (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Hells Gate [marine channel] (see also: Hells Gate Military Base)	South Africa	28° 02' 35" S 32° 25' 45" E	39 m
Hells Gate Military Base (see Hells Gate [marine channel])	South Africa	28° 02' 35" S 32° 25' 45" E	39 m
Kosi Bay Nature Reserve	South Africa	26° 57' 21" S 32° 49' 25" E	39 m
Madinet el Faiyum (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Médinat el-Fayoum (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Medinat Fayum (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Medinet el Fayum (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
São Félipe de Benguela (see Benguela)	Angola	12° 34' 42" S 13° 24' 26" E	39 m
Shedit (see Al Fayyum)	Egypt	29° 18' 28" N 30° 50' 24" E	39 m
Umtentweni (see also: Umtentweni Railroad Station, Umtentwini)	South Africa	30° 42' 58" S 30° 27' 53" E	39 m
Umtentweni Railroad Station (see Umtentweni)	South Africa	30° 42' 58" S 30° 27' 53" E	39 m
Umtentwini (see Umtentweni)	South Africa	30° 42' 58" S 30° 27' 53" E	39 m
Waterloo	Sierra Leone	8° 20' 18" N 13° 04' 19" W	39 m
Amboasary, 12 km ENE and Ranopiso, 20 km WNW (see Itaranta River, near)	Madagascar	25° 05' 00" S 46° 28' 00" E	40 m
Bevilany, 11 km SW near Anosy River (see also: Anosy river, 11 km SW near)	Madagascar	25° 01' 00" S 46° 30' 00" E	40 m
Itaranta River, near (see also: Amboasary, 12 km ENE and Ranopiso, 20 km WNW, Ranopiso, 20 km WNW and Amboasary, 12 km ENE)	Madagascar	25° 05' 00" S 46° 28' 00" E	40 m
KwaSheleni, near Lake St. Lucia	South Africa	28° 10' 44" S 32° 31' 15" E	40 m
La Possession, 2.2 km SSW (see Pont de Balthazar)	Réunion	20° 56' 44" S 55° 19' 51" E	40 m
Madara (see Marsá Matru?)	Egypt	31° 21' 00" N 27° 14' 00" E	40 m
Marovaza, 4.2 km SE (cave)	Madagascar	14° 57' 58" S 47° 18' 29" E	40 m
Marsá Matru? (see also: Madara, Matru?, Mersa Matrouh, Mersa Ma?rû?, Mhadara, Paraetonium)	Egypt	31° 21' 00" N 27° 14' 00" E	40 m
Matru? (see Marsá Matru?)	Egypt	31° 21' 00" N 27° 14' 00" E	40 m

Mersa Matrouh (see Marsá Matru?)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m
Mersa Ma?rû? (see Marsá Matru?)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m
Mhadara (see Marsá Matru?)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m
Moroni	Comoro Islands		11° 42' 15" S 43° 14' 25" E	40 m
(see also: Moroni oasis)				
Moroni oasis (see Moroni)	Comoro Islands		11° 42' 15" S 43° 14' 25" E	40 m
Paraetonium (see Marsá Matru?)	Egypt		31° 21' 00" N 27° 14' 00" E	40 m
Pont de Balthazar, 2.2 km SSW La Possession	Réunion		20° 56' 44" S 55° 19' 51" E	40 m
(see also: La Possession, 2.2 km SSW)				
Ranopiso, 20 km WNW and Amboasary, 12 km ENE (see Itaranta River, near)	Madagascar		25° 05' 00" S 46° 28' 00" E	40 m
Ribeira Grande	Cape Verde		17° 11' 00" N 25° 04' 00" W	40 m
Agege, 15 mi [=24 km] N of Lagos	Nigeria		6° 37' 19" N 3° 19' 33" E	41 m
(see also: Lagos, 15 mi [=24 km] N)				
Freetown, 24 km (see Wellington Village)	Sierra Leone		8° 26' 55" N 13° 10' 10" W	41 m
Hassi Kalifa (see Hassi Khelifa)	Algeria		33° 35' 00" N 7° 00' 00" E	41 m
Hassi Khelifa	Algeria		33° 35' 00" N 7° 00' 00" E	41 m
(see also: Hassi Kalifa)				
Lagos, 15 mi [=24 km] N (see Agege)	Nigeria		6° 37' 19" N 3° 19' 33" E	41 m
Port Durnford	South Africa		28° 54' 00" S 31° 49' 00" E	41 m
Serabu	Sierra Leone		7° 47' 45" N 12° 03' 08" W	41 m
Sibengu lodge	South Africa	ca.	27° 57' 00" S 32° 26' 00" E	41 m
(see also: Sobhengu Lodge)				
Sobhengu Lodge (see Sibengu lodge), St. Lucia	South Africa	ca.	27° 57' 00" S 32° 26' 00" E	41 m
Wellington Village, 24 km from Freetown	Sierra Leone		8° 26' 55" N 13° 10' 10" W	41 m
(see also: Freetown, 24 km)				
Chiromo, confluence of Ruo and Shire rivers, Nsanje	Malawi		16° 33' 00" S 35° 08' 00" E	42 m
Pir Gourèy (see Pir Gourèye)	Senegal		15° 00' 17" N 16° 43' 19" W	42 m
Pir Gourèye	Senegal		15° 00' 17" N 16° 43' 19" W	42 m
(see also: Pir Gourèy, Piré Gourèye)				
Piré Gourèye (see Pir Gourèye)	Senegal		15° 00' 17" N 16° 43' 19" W	42 m
Aiyikuma	Ghana		5° 55' 00" N 0° 03' 00" W	43 m
(see also: Ayikuma)				
Aleg Post Office	Mauritania		17° 02' 53" N 13° 55' 15" W	43 m
Ayikuma (see Aiyikuma)	Ghana		5° 55' 00" N 0° 03' 00" W	43 m
Béroboka (see Beroboka Atsimo)	Madagascar		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Atsimo	Madagascar		19° 59' 00" S 44° 36' 00" E	43 m
(see also: Béroboka, Beroboka Sud, Beroboka Ville)				
Beroboka Sud (see Beroboka Atsimo)	Madagascar		19° 59' 00" S 44° 36' 00" E	43 m
Beroboka Ville (see Beroboka Atsimo)	Madagascar		19° 59' 00" S 44° 36' 00" E	43 m
Buéa Station, 30 mi [=48 km] N (see Muyuka)	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Glenmore	South Africa		29° 35' 15" S 30° 58' 08" E	43 m
Mayuka (see Muyuka)	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Mouyouka (see Muyuka), 48 km N Buéa	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Muéa (see Muyuka)	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Muyuka, 48 km N Buéa	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
(see also: Buéa Station, 30 mi [=48 km] N, Buéa, 48 km N, Mayuka, Mouyouka, Muéa, Muyuna Town)				
Muyuna Town (see Muyuka)	Cameroon		4° 17' 50" N 9° 24' 20" E	43 m
Oasis Tozeur	Tunisia		33° 55' 14" N 8° 08' 00" E	43 m
Tawzar (see Tozeur)	Tunisia		33° 55' 14" N 8° 08' 00" E	43 m
Tozeur	Tunisia		33° 55' 14" N 8° 08' 00" E	43 m
(see also: Tawzar)				
Tozeur, Oasis	Tunisia		33° 55' 14" N 8° 08' 00" E	43 m
Ambohimanana, 2 km SW Vinanitelo	Madagascar		21° 26' 00" S 48° 05' 00" E	44 m
(see also: Vinanitelo, 21 km SW)				
Boeni (see Boeny)	Madagascar		15° 54' 00" S 45° 56' 00" E	44 m
Boeny	Madagascar		15° 54' 00" S 45° 56' 00" E	44 m
(see also: Boeni, Boina)				
Boina (see Boeny)	Madagascar		15° 54' 00" S 45° 56' 00" E	44 m
Moçâmedes (see Namibe)	Angola		15° 11' 46" S 12° 09' 08" E	44 m
Mossamedes (see Namibe)	Angola		15° 11' 46" S 12° 09' 08" E	44 m
Namibe	Angola		15° 11' 46" S 12° 09' 08" E	44 m
(see also: Moçâmedes, Mossamedes)				
Vinanitelo, 21 km SW (see Ambohimanana)	Madagascar		21° 26' 00" S 48° 05' 00" E	44 m
Abbasieh (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
'Abbâsîya (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
'Abbasiyah (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
'Abbâsîyeh (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
Abbassia	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
(see also: Abbasieh, 'Abbâsîya, 'Abbasiyah, 'Abbâsîyeh, Al 'Abbasiyah, El 'Abbasiya)				
Al 'Abbasiyah (see Abbassia)	Egypt		30° 04' 00" N 31° 17' 00" E	45 m
Caverne Trois Bras (see Trois Bras cave)	Mauritius		20° 01' 26" S 57° 38' 00" E	45 m

El 'Abbasiya (see Abbassia)	Egypt	30° 04' 00" N 31° 17' 00" E	45 m
Futululu Research Station (see Mfutululu [Forest Station]), St. Lucia	South Africa	28° 25' 00" S 32° 16' 00" E	45 m
Garak	Mauritania	16° 33' 00" N 15° 46' 00" W	45 m
Kitaya, Ruvuma River	Tanzania	10° 39' 00" S 40° 10' 00" E	45 m
Lambaréné (see also: Lambarene, Limbareni)	Gabon	0° 42' 00" S 10° 13' 00" E	45 m
Lambarene (see Lambaréné)	Gabon	0° 42' 00" S 10° 13' 00" E	45 m
Limbareni (see Lambaréné)	Gabon	0° 42' 00" S 10° 13' 00" E	45 m
Mfutululu [Forest Station], Dududuku forest (see also: Futululu Research Station)	South Africa	28° 25' 00" S 32° 16' 00" E	45 m
Mkuze (River Bridge)	South Africa	27° 35' 57" S 32° 18' 07" E	45 m
Roco (see Rosso)	Mauritania	16° 30' 37" N 15° 48' 32" W	45 m
Rosso (see also: Roco)	Mauritania	16° 30' 37" N 15° 48' 32" W	45 m
Trois Bras cave, edge of Mountain vent (see also: Caverne Trois Bras)	Mauritius	20° 01' 26" S 57° 38' 00" E	45 m
Analalava	Madagascar	24° 42' 00" S 47° 02' 00" E	46 m
Canga (see Fazenda Cunga)	Angola	9° 15' 00" S 13° 44' 00" E	46 m
Conga (see Fazenda Cunga)	Angola	9° 15' 00" S 13° 44' 00" E	46 m
Cunga (see Fazenda Cunga)	Angola	9° 15' 00" S 13° 44' 00" E	46 m
Doyum (see also: Doyumu)	Ghana	5° 54' 00" N 0° 01' 00" E	46 m
Doyumu (see Doyum)	Ghana	5° 54' 00" N 0° 01' 00" E	46 m
Fazenda Cunga (see also: Canga, Conga, Cunga, Kunga)	Angola	9° 15' 00" S 13° 44' 00" E	46 m
Kunga (see Fazenda Cunga)	Angola	9° 15' 00" S 13° 44' 00" E	46 m
Al Ma'abidah (see also: El Ma`abda, El Ma‘âbda, El Maabdeh, cave)	Egypt	27° 20' 20" N 31° 01' 30" E	47 m
El Ma`abda (see Al Ma'abidah)	Egypt	27° 20' 20" N 31° 01' 30" E	47 m
El Ma‘âbda (see Al Ma'abidah)	Egypt	27° 20' 20" N 31° 01' 30" E	47 m
El Maabdeh, cave (see Al Ma'abidah)	Egypt	27° 20' 20" N 31° 01' 30" E	47 m
Behara	Madagascar	24° 57' 00" S 46° 23' 00" E	48 m
Four Miles (see Four Miles) (see also: Four Miles)	Sierra Leone	8° 20' 19" N 13° 00' 17" W	48 m
Illovo (see also: Illovo South)	South Africa	30° 05' 42" S 30° 49' 52" E	48 m
Illovo South (see Illovo)	South Africa	30° 05' 42" S 30° 49' 52" E	48 m
Keta (see also: Kitta, Kwitta, Quittah)	Ghana	5° 55' 00" N 0° 59' 00" E	48 m
Kitta (see Keta)	Ghana	5° 55' 00" N 0° 59' 00" E	48 m
Kwitta (see Keta)	Ghana	5° 55' 00" N 0° 59' 00" E	48 m
Newton	Sierra Leone	8° 20' 19" N 13° 00' 17" W	48 m
Quittah (see Keta)	Ghana	5° 55' 00" N 0° 59' 00" E	48 m
Sogakofe (see also: Sogakope, Sogakorpe, Sogankofe)	Ghana	6° 00' 00" N 0° 36' 00" E	48 m
Sogakope (see Sogakofe)	Ghana	6° 00' 00" N 0° 36' 00" E	48 m
Sogakorpe (see Sogakofe)	Ghana	6° 00' 00" N 0° 36' 00" E	48 m
Sogankofe (see Sogakofe)	Ghana	6° 00' 00" N 0° 36' 00" E	48 m
Dialacoto (see Dialakoto)	Senegal	13° 19' 00" N 13° 18' 00" W	49 m
Dialakoto (see also: Dialacoto, Dialocote)	Senegal	13° 19' 00" N 13° 18' 00" W	49 m
Dialocote (see Dialakoto)	Senegal	13° 19' 00" N 13° 18' 00" W	49 m
Andrafiabe cave, forest near (see Analabe, forêt de), 2.6 km E Andrafiabe	Madagascar		50 m
Andrafiabe, 2.6 km E (see Analabe, forêt de)	Madagascar		50 m
Andrafiabe, 3.5 km SE	Madagascar	12° 56' 31" S 49° 03' 18" E	50 m
Anjajavy, 18.5 km S (see Grotte d'Ankelimahogo)	Madagascar	15° 11' 26" S 47° 12' 10" E	50 m
Ankapoky, ca 21 km NW Ranopiso (see also: Ranopiso, ca 21 km NW)	Madagascar	24° 59' 00" S 46° 30' 00" E	50 m
Ankelimahogo cave (see Grotte d'Ankelimahogo)	Madagascar	15° 11' 26" S 47° 12' 10" E	50 m
Boutilimit (see also: Boutillmit)	Mauritania	17° 32' 48" N 14° 41' 40" W	50 m
Boutillmit (see Boutilimit)	Mauritania	17° 32' 48" N 14° 41' 40" W	50 m
Bredasdorp, 2 km N, 6 km E (see De Hoop Nature Reserve)	South Africa	34° 27' 18" S 20° 23' 57" E	50 m
Bredasdorp, 32 km ENE (see De Hoop Nature Reserve)	South Africa	34° 27' 18" S 20° 23' 57" E	50 m
Cape Vidal Nature Reserve, E shores	South Africa	28° 08' 39" S 32° 32' 48" E	50 m
De Hoop Natuurreservaat (see De Hoop Nature Reserve)	South Africa	34° 27' 18" S 20° 23' 57" E	50 m
Forêt de Sahafina, Brickaville, 9.5 km W	Madagascar	18° 48' 37" S 48° 58' 48" E	50 m
Grotte d'Andrafiabe, forêt près de (see Analabe, forêt de), 2.6 km E Andrafiabe	Madagascar		50 m
Grotte d'Ankelimahogo (see also: Anjajavy, 18.5 km S, Ankelimahogo cave)	Madagascar	15° 11' 26" S 47° 12' 10" E	50 m

Grotte du troisième canyon, along Andokotokana river	Madagascar		12° 54' 51" S 49° 03' 20" E	50 m
Hankey,1.3 km N, 3.5 km W	South Africa		33° 49' 13" S 24° 50' 48" E	50 m
Hollebaks Strandfontein, 10.2 km S, 26.3 km W Vredendal (see also: Vredendal, 10.2 km S, 26.3 km W)	South Africa		31° 45' 18" S 18° 13' 52" E	50 m
Humansdorp, 1.0 km N, 80.1 km W (see Storms River Mouth)	South Africa		34° 01' 05" S 23° 54' 19" E	50 m
Inhaca Island	Mozambique		26° 01' 00" S 32° 58' 00" E	50 m
Kareedouw, 9,0 km S, 28.7 km W	South Africa		34° 02' 00" S 23° 59' 00" E	50 m
Kilifi, 1.5 mi [=2.4 km] N	Kenya	ca.	3° 38' 00" S 39° 51' 00" E	50 m
Kilifi, 2 mi [=3.2 km] N	Kenya	ca.	3° 38' 00" S 39° 51' 00" E	50 m
Lagbar	Senegal		15° 49' 58" N 14° 48' 39" W	50 m
Lokko Town (see Russel Village)	Sierra Leone		8° 15' 00" N 13° 05' 00" W	50 m
Malende Swamp area	Cameroon		4° 21' 00" N 9° 26' 00" E	ca. 50 m
Maroroy, ca 9.2 km N (by road) (see Marovony Forest)	Madagascar		24° 08' 00" S 47° 22' 00" E	50 m
Marovony Forest, ca 9.2 km N (by road) Maroroy (see also: Maroroy, ca 9.2 km N (by road))	Madagascar		24° 08' 00" S 47° 22' 00" E	50 m
Mazengwenya Forest Station, NE Lake Sibaya	South Africa		27° 16' 00" S 32° 44' 00" E	50 m
Nahoon Suburb	South Africa		32° 59' 00" S 27° 56' 00" E	50 m
Poste Forestier de Farankaraina, Mahalevona, 7.5 km SW	Madagascar		15° 25' 42" S 49° 50' 43" E	50 m
Ranopiso, ca 21 km NW (see Ankapoky)	Madagascar		24° 59' 00" S 46° 30' 00" E	50 m
Russel Village (see also: Lokko Town, Russell)	Sierra Leone		8° 15' 00" N 13° 05' 00" W	50 m
Russell (see Russel Village)	Sierra Leone		8° 15' 00" N 13° 05' 00" W	50 m
Scottburgh, 14 km SSW (see Umdoni Park)	South Africa		30° 24' 00" S 30° 41' 00" E	50 m
Storms River Mouth, 1.0 km N, 80.1 km W Humansdorp (see also: Humansdorp, 1.0 km N, 80.1 km W, Stormsriver mouth)	South Africa		34° 01' 05" S 23° 54' 19" E	50 m
Stormsriver mouth (see Storms River Mouth)	South Africa		34° 01' 05" S 23° 54' 19" E	50 m
Umdoni Caravan Park (see Umdoni Park), 14 km SSW Scottburgh, Pennington (see also: Umzinto, 9 km S, 2 km E)	South Africa		30° 24' 00" S 30° 41' 00" E	50 m
Umdoni Park, 14 km SSW Scottburgh, Pennington (see also: Scottburgh, 14 km SSW, Umdoni Caravan Park)	South Africa		30° 24' 00" S 30° 41' 00" E	50 m
Umzinto, 9 km S, 2 km E (see Umdoni Caravan Park)	South Africa		30° 24' 00" S 30° 41' 00" E	50 m
Vredendal, 10.2 km S, 26.3 km W (see Hollebaks Strandfontein)	South Africa		31° 45' 18" S 18° 13' 52" E	50 m
Aguagou / Cotonou	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Appi (see Cotonou)	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Catonou (see Cotonou)	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Cotonou (see also: Appi, Catonou, Kotonou, Kotonu)	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Kibatini village	Tanzania		4° 57' 24" S 39° 43' 04" E	51 m
Kotonou (see Cotonou)	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Kotonu (see Cotonou)	Benin		6° 21' 00" N 2° 26' 00" E	51 m
Chupanga, Zambezi River (see also: Lacerdónia, Shupanga)	Mozambique		18° 01' 16" S 35° 33' 51" E	52 m
Djebba (see Jebba)	Nigeria		9° 08' 00" N 4° 50' 00" E	52 m
Freetown, 129 km from (see Lunsar)	Sierra Leone		8° 41' 00" N 12° 32' 00" W	52 m
Garissa, 100 mi [=160 km] S (see Ijara)	Kenya		1° 36' 12" S 40° 31' 31" E	52 m
Ijara, 100 mi south Garissa (see also: Garissa, 100 mi [=160 km] S)	Kenya		1° 36' 12" S 40° 31' 31" E	52 m
Jebba (see also: Djebba)	Nigeria		9° 08' 00" N 4° 50' 00" E	52 m
Lacerdónia (see Chupanga), Zambezi River	Mozambique		18° 01' 16" S 35° 33' 51" E	52 m
Lansar (see Lunsar), 129 km from Freetown	Sierra Leone		8° 41' 00" N 12° 32' 00" W	52 m
Lunsar, 129 km from Freetown (see also: Freetown, 129 km from, Lansar)	Sierra Leone		8° 41' 00" N 12° 32' 00" W	52 m
Nchalo	Malawi		16° 16' 00" S 34° 55' 00" E	52 m
Save River, S of bridge on EN1	Mozambique		21° 10' 33" S 34° 44' 47" E	52 m
Shupanga (see Chupanga), Zambezi River	Mozambique		18° 01' 16" S 35° 33' 51" E	52 m
Coguno	Mozambique		24° 23' 20" S 34° 33' 10" E	53 m
Asaba, 150 mi up the Niger	Nigeria		6° 11' 00" N 6° 45' 00" E	54 m
Lister Point Camp, St. Lucia (see also: Lister's Point, Listerspunt)	South Africa		27° 58' 00" S 32° 23' 00" E	54 m
Lister's Point (see Lister Point Camp)	South Africa		27° 58' 00" S 32° 23' 00" E	54 m
Listerspunt (see Lister Point Camp)	South Africa		27° 58' 00" S 32° 23' 00" E	54 m
Al ‘Ara’ish (see Larache)	Morocco		35° 11' 24" N 6° 09' 00" W	55 m
El Aaraich (see Larache)	Morocco		35° 11' 24" N 6° 09' 00" W	55 m
Larache (see also: Al ‘Ara’ish, El Aaraich, Lavache)	Morocco		35° 11' 24" N 6° 09' 00" W	55 m
Lavache (see Larache)	Morocco		35° 11' 24" N 6° 09' 00" W	55 m
Pashuni cave	Tanzania		5° 52' 40" S 39° 18' 41" E	55 m
Yengema	Sierra Leone		7° 49' 34" N 12° 00' 55" W	55 m

Bataw (see Bator)	Ghana	6° 04' 00" N 0° 25' 00" E	56 m
Bator	Ghana	6° 04' 00" N 0° 25' 00" E	56 m
(see also: Bataw, Battor)			
Battor (see Bator)	Ghana	6° 04' 00" N 0° 25' 00" E	56 m
Bayete Camp	South Africa	27° 46' 48" S 32° 18' 36" E	ca. 56 m
Chemfos mine (see Langebaanweg)	South Africa	32° 58' 00" S 18° 09' 00" E	56 m
Dondo	Mozambique	19° 36' 34" S 34° 44' 35" E	56 m
(see also: Vila do Dondo)			
Doon Heights	South Africa	30° 04' 00" S 30° 52' 00" E	56 m
Hopefield	South Africa	33° 04' 00" S 18° 21' 00" E	56 m
(see also: WCNP, Bottelary)			
Isobi	Cameroon	4° 07' 15" N 8° 59' 33" E	56 m
(see also: Isolwe, Isove)			
Isolwe (see Isobi)	Cameroon	4° 07' 15" N 8° 59' 33" E	56 m
Isove (see Isobi)	Cameroon	4° 07' 15" N 8° 59' 33" E	56 m
Langebaan Road (see Langebaanweg)	South Africa	32° 58' 00" S 18° 09' 00" E	56 m
Langebaanweg	South Africa	32° 58' 00" S 18° 09' 00" E	56 m
(see also: Chemfos mine, Langebaan Road)			
Vila do Dondo (see Dondo)	Mozambique	19° 36' 34" S 34° 44' 35" E	56 m
WCNP, Bottelary (see Hopefield), Hopefield	South Africa	33° 04' 00" S 18° 21' 00" E	56 m
Goudiri	Senegal	14° 11' 00" N 12° 43' 00" W	57 m
(see also: Goudiry)			
Goudiry (see Goudiri)	Senegal	14° 11' 00" N 12° 43' 00" W	57 m
Grombalia	Tunisia	36° 35' 59" N 10° 29' 59" E	57 m
(see also: Grombalic, Quaranbaliyah, Quranbaliyah, Qurunbaliyah)			
Grombalic (see Grombalia)	Tunisia	36° 35' 59" N 10° 29' 59" E	57 m
Mahabo	Madagascar	20° 23' 00" S 44° 40' 00" E	57 m
Manhiça	Mozambique	25° 24' 08" S 32° 48' 26" E	57 m
(see also: Vila da Manhiça)			
Phinda Rock Lodge	South Africa	27° 52' 46" S 32° 16' 45" E	57 m
Quaranbaliyah (see Grombalia)	Tunisia	36° 35' 59" N 10° 29' 59" E	57 m
Quranbaliyah (see Grombalia)	Tunisia	36° 35' 59" N 10° 29' 59" E	57 m
Qurunbaliyah (see Grombalia)	Tunisia	36° 35' 59" N 10° 29' 59" E	57 m
Vila da Manhiça (see Manhiça)	Mozambique	25° 24' 08" S 32° 48' 26" E	57 m
Al ?ammah (see El Hamma), near Gabès	Tunisia	33° 54' 00" N 9° 48' 00" E	58 m
El Hamma	Tunisia	33° 54' 00" N 9° 48' 00" E	58 m
(see also: Al ?ammah, El Hamma de Gabès, El Hamma de l'Arad, El Hammah)			
El Hamma de Gabès (see El Hamma)	Tunisia	33° 54' 00" N 9° 48' 00" E	58 m
El Hamma de l'Arad (see El Hamma), near Gabès	Tunisia	33° 54' 00" N 9° 48' 00" E	58 m
El Hammah (see El Hamma), near Gabès	Tunisia	33° 54' 00" N 9° 48' 00" E	58 m
Fassi	Comoro Islands	11° 33' 55" S 43° 16' 05" E	58 m
Hanha	Angola	12° 14' 42" S 13° 42' 49" E	58 m
Ouassou (see Wassou)	Guinea	10° 02' 00" N 13° 39' 00" W	58 m
Ouossou (see Wassou)	Guinea	10° 02' 00" N 13° 39' 00" W	58 m
Wassou	Guinea	10° 02' 00" N 13° 39' 00" W	58 m
(see also: Ouassou, Ouossou)			
Cape Palmas (see Harper)	Liberia	4° 22' 30" N 7° 43' 01" W	59 m
Harper	Liberia	4° 22' 30" N 7° 43' 01" W	59 m
(see also: Cape Palmas)			
Sawakin	Sudan	19° 12' 21" N 37° 19' 56" E	59 m
(see also: Suakin)			
Suakin (see Sawakin)	Sudan	19° 12' 21" N 37° 19' 56" E	59 m
Dano (see Denu)	Ghana	6° 05' 55" N 1° 08' 50" E	60 m
Danoe (see Denu)	Ghana	6° 05' 55" N 1° 08' 50" E	60 m
Danu (see Denu)	Ghana	6° 05' 55" N 1° 08' 50" E	60 m
Denu	Ghana	6° 05' 55" N 1° 08' 50" E	60 m
(see also: Dano, Danoe, Danu)			
Elandsbaai, 1.2 km S, 0.2 km E (see Rhebok Plaat Berg)	South Africa	32° 19' 19" S 18° 20' 29" E	60 m
Hamilton Village, near Freetown	Sierra Leone	8° 22' 55" N 13° 15' 35" W	60 m
(see also: Kangbe)			
Harold Porter Botanical Reserve, 0.5 km S, 10.1 km W Kleinmond	South Africa	34° 20' 49" S 18° 55' 33" E	60 m
(see also: Kleinmond, 0.5 km S, 10.1 km W)			
Inkwazi Training Centre	South Africa	27° 52' 18" S 32° 20' 38" E	60 m
Kangbe (see Hamilton Village), near Freetown	Sierra Leone	8° 22' 55" N 13° 15' 35" W	60 m
Kleinmond, 0.5 km S, 10.1 km W (see Harold Porter Botanical Reserve)	South Africa	34° 20' 49" S 18° 55' 33" E	60 m
Manantanely Forest, 8 - 12 km WNW Tolagnaro	Madagascar	24° 59' 00" S 46° 54' 00" E	60 m
(see also: Tolagnaro, 8 - 12 km WNW)			
Manguzi village, Maputa	South Africa	26° 59' 00" S 32° 45' 00" E	60 m
(see also: Maputa)			
Maputa (see Manguzi village), Maputa	South Africa	26° 59' 00" S 32° 45' 00" E	60 m
Marshall Grove, Carrington Heights	South Africa	29° 53' 14" S 30° 58' 10" E	60 m

Rhebok Plaat Berg, 1.2 km S, 0.2 km E Elandsbaai (see also: Elandsbaai, 1.2 km S, 0.2 km E)	South Africa		32° 19' 19" S 18° 20' 29" E	60 m
Aflahu (see Aflao)	Ghana		6° 07' 04" N 1° 11' 34" E	61 m
Aflao (see also: Aflahu, Afloa, Dano, Porura)	Ghana		6° 07' 04" N 1° 11' 34" E	61 m
Afloa (see Aflao)	Ghana		6° 07' 04" N 1° 11' 34" E	61 m
Boma, near mouth of Kongo river	Congo (Democratic Republic of the)		5° 51' 00" S 13° 03' 00" E	61 m
Chiromo, mount (see also: Mount Chiromo)	Malawi	ca.	16° 32' 00" S 35° 09' 00" E	61 m
Dano (see Aflao)	Ghana		6° 07' 04" N 1° 11' 34" E	61 m
Kilifi (see also: Kalifi)	Kenya		3° 38' 00" S 39° 51' 00" E	61 m
Kilifi, 6 mi [=9.7 km] W	Kenya		3° 34' 48" S 39° 46' 48" E	61 m
Kilifi, 6 mi [=9.7 km] WNW (see Sokoke Forest)	Kenya		3° 29' 00" S 39° 50' 00" E	61 m
Marungu (see Maungu), 30 km E Voi	Kenya		3° 33' 00" S 38° 45' 00" E	61 m
Maungu, 30 km E Voi (see also: Marungu, Voi, 30 km E)	Kenya		3° 33' 00" S 38° 45' 00" E	61 m
Mount Chiromo (see Chiromo, mount)	Malawi	ca.	16° 32' 00" S 35° 09' 00" E	61 m
Porura (see Aflao)	Ghana		6° 07' 04" N 1° 11' 34" E	61 m
Sokoke Forest, 6 mi [=9.6 km] WNW Kilifi (see also: Kilifi, 6 mi [=9.7 km] WNW)	Kenya		3° 29' 00" S 39° 50' 00" E	61 m
Tambacounda (see also: Tambacounda)	Senegal		13° 45' 14" N 13° 45' 31" W	61 m
Voi, 30 km E (see Maungu)	Kenya		3° 33' 00" S 38° 45' 00" E	61 m
Bur Sudan (see also: Burt Sudan, New Sawâkin, Port Sudan, Shaikh Barghuth, Shaykh Burghuth, Sheikh Barghuth)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Burt Sudan (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Mkhuze Game Reserve (see uMkhuze Game Reserve)	South Africa		27° 39' 00" S 32° 14' 30" E	62 m
Mkusi Game Reserve (see uMkhuze Game Reserve)	South Africa		27° 39' 00" S 32° 14' 30" E	62 m
Mkuze Game Reserve (see uMkhuze Game Reserve)	South Africa		27° 39' 00" S 32° 14' 30" E	62 m
New Sawâkin (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Port Sudan (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Shaikh Barghuth (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Shaykh Burghuth (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
Sheikh Barghuth (see Bur Sudan)	Sudan		19° 36' 57" N 37° 12' 59" E	62 m
uMkhuze Game Reserve (see also: Mkhuze Game Reserve, Mkusi Game Reserve, Mkuze Game Reserve, Mkuzi Game Reserve, Umkusi Game Reserve)	South Africa		27° 39' 00" S 32° 14' 30" E	62 m
Umkusi Game Reserve (see uMkhuze Game Reserve)	South Africa		27° 39' 00" S 32° 14' 30" E	62 m
Ampasy (see Ampasy Nahampoana)	Madagascar		24° 58' 00" S 46° 59' 00" E	63 m
Ampasy Nahampoana, 7 km NNW Tolagnaro (see also: Ampasy, Nahampoana, Tolagnaro, 7 km NNW)	Madagascar		24° 58' 00" S 46° 59' 00" E	63 m
Anécho (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Aného (see also: Anécho, Anekho, Anerho, Klein-Popo, Little Popo, Petit Popo)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Anekho (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Anerho (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Bonamanzi Game Reserve, 5 km S Hluhluwe Village (see also: Hluhluwe Village, 5 km S)	South Africa		28° 06' 00" S 32° 18' 00" E	63 m
Can Pfumo (see Maputo)	Mozambique		25° 57' 55" S 32° 35' 21" E	63 m
Ghola (see Grand-Popo)	Benin		6° 19' 00" N 1° 57' 00" E	63 m
Goulombo (see Gouloumbou)	Senegal		13° 30' 00" N 13° 43' 00" W	63 m
Gouloumbo (see Gouloumbou)	Senegal		13° 30' 00" N 13° 43' 00" W	63 m
Gouloumbou (see also: Goulombo, Gouloumbo)	Senegal		13° 30' 00" N 13° 43' 00" W	63 m
Grand-Popo (see also: Ghola, Great Popo, Groß-Popo, Kpla)	Benin		6° 19' 00" N 1° 57' 00" E	63 m
Great Popo (see Grand-Popo)	Benin		6° 19' 00" N 1° 57' 00" E	63 m
Groß-Popo (see Grand-Popo)	Benin		6° 19' 00" N 1° 57' 00" E	63 m
Hluhluwe Village, 5 km S (see Bonamanzi Game Reserve)	South Africa		28° 06' 00" S 32° 18' 00" E	63 m
Kapfumo (see Maputo)	Mozambique		25° 57' 55" S 32° 35' 21" E	63 m
Klein-Popo (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Kpla (see Grand-Popo)	Benin		6° 19' 00" N 1° 57' 00" E	63 m
Little Popo (see Aného)	Togo		6° 14' 00" N 1° 36' 00" E	63 m
Lomé (see also: Lome)	Togo		6° 07' 55" N 1° 13' 22" E	63 m
Lome (see Lomé)	Togo		6° 07' 55" N 1° 13' 22" E	63 m
Lourenço Marques (see Maputo)	Mozambique		25° 57' 55" S 32° 35' 21" E	63 m
Mabutu (see Maputo)	Mozambique		25° 57' 55" S 32° 35' 21" E	63 m

Maputo (see also: Can Pfumo, Kapfumo, Lourenço Marques, Mabutu)	Mozambique	25° 57' 55" S 32° 35' 21" E	63 m
Nahampoana (see Ampasy Nahampoana)	Madagascar	24° 58' 00" S 46° 59' 00" E	63 m
Petit Popo (see Aného)	Togo	6° 14' 00" N 1° 36' 00" E	63 m
Sagamu (see Shagamu)	Nigeria	6° 50' 36" N 3° 38' 52" E	63 m
Shagamu (see also: Sagamu)	Nigeria	6° 50' 36" N 3° 38' 52" E	63 m
Thiès	Senegal	14° 48' 00" N 16° 56' 00" W	63 m
Tisihombe (see Tsiombe)	Madagascar	25° 18' 00" S 45° 29' 00" E	63 m
Togo (see Togoville)	Togo	6° 13' 41" N 1° 28' 41" E	63 m
Togoville (see also: Togo)	Togo	6° 13' 41" N 1° 28' 41" E	63 m
Tolagnaro, 7 km NNW (see Ampasy Nahampoana)	Madagascar	24° 58' 00" S 46° 59' 00" E	63 m
Tsihombe (see Tsiombe)	Madagascar	25° 18' 00" S 45° 29' 00" E	63 m
Tsiombe (see also: Tisihombe, Tsihombe, Tsiombe-Androy)	Madagascar	25° 18' 00" S 45° 29' 00" E	63 m
Tsiombe-Androy (see Tsiombe)	Madagascar	25° 18' 00" S 45° 29' 00" E	63 m
Anjohitantely	Madagascar	19° 08' 28" S 44° 48' 47" E	64 m
Genale (see Jannaale)	Somalia	1° 48' 00" N 44° 42' 00" E	64 m
Janaale (see Jannaale)	Somalia	1° 48' 00" N 44° 42' 00" E	64 m
Jannaale (see also: Genale, Janaale)	Somalia	1° 48' 00" N 44° 42' 00" E	64 m
Nhamatanda (see also: Vila Macahdo, Vila Machado, Vila Mahado)	Mozambique	19° 16' 09" S 34° 12' 46" E	64 m
Piche (see Pitche)	Guinea-Bissau	12° 20' 00" N 13° 57' 00" W	64 m
Pitche (see also: Piche)	Guinea-Bissau	12° 20' 00" N 13° 57' 00" W	64 m
Tiko	Cameroon	4° 04' 28" N 9° 22' 12" E	64 m
Vila Macahdo (see Nhamatanda)	Mozambique	19° 16' 09" S 34° 12' 46" E	64 m
Vila Machado (see Nhamatanda)	Mozambique	19° 16' 09" S 34° 12' 46" E	64 m
Vila Mahado (see Nhamatanda)	Mozambique	19° 16' 09" S 34° 12' 46" E	64 m
Agbedrafo	Togo	6° 12' 05" N 1° 28' 44" E	65 m
Agbodrafo	Togo	6° 12' 05" N 1° 28' 44" E	65 m
Agbodrafo Porto-Séguro	Togo	6° 12' 05" N 1° 28' 44" E	65 m
Buchanan (see Upper Buchanan)	Liberia	5° 54' 40" N 10° 03' 45" W	65 m
Cascade de Manantantely (see Manantantely, falls), 5.2 km NW Tolagnaro	Madagascar	24° 59' 21" S 46° 55' 22" E	65 m
Gran Bassa (see Upper Buchanan)	Liberia	5° 54' 40" N 10° 03' 45" W	65 m
Grand Bassa (see Upper Buchanan)	Liberia	5° 54' 40" N 10° 03' 45" W	65 m
Klarer (see Klawer), Van Rhynsdorp	South Africa	31° 46' 59" S 18° 40' 36" E	65 m
Klaver (see Klawer), Van Rhynsdorp	South Africa	31° 46' 59" S 18° 40' 36" E	65 m
Klawer, Van Rhynsdorp (see also: Klarer, Klaver)	South Africa	31° 46' 59" S 18° 40' 36" E	65 m
Manantantely, falls, 5.2 km NW Tolagnaro (see also: Cascade de Manantantely, Tolagnaro, 5.2 km NW)	Madagascar	24° 59' 21" S 46° 55' 22" E	65 m
Phinda Game Reserve, Forest Lodge	South Africa	27° 46' 39" S 32° 20' 58" E	65 m
Porto-Segouro	Togo	6° 12' 05" N 1° 28' 44" E	65 m
Porto-Séguro	Togo	6° 12' 05" N 1° 28' 44" E	65 m
Tembe Elephant Park, east of HQ, pan	South Africa	27° 03' 42" S 32° 27' 06" E	65 m
Tolagnaro, 5.2 km NW (see Manantantely, falls)	Madagascar	24° 59' 21" S 46° 55' 22" E	65 m
Upper Buchanan (see also: Buchanan, Gran Bassa, Grand Bassa)	Liberia	5° 54' 40" N 10° 03' 45" W	65 m
Yengüe, on Río Campo/Río Ntem	Equatorial Guinea	2° 13' 00" N 9° 53' 00" E	65 m
Abeokuta	Nigeria	7° 09' 00" N 3° 21' 00" E	66 m
Bendo (see Nanakru)	Liberia	4° 49' 50" N 8° 43' 34" W	66 m
Great Nanakru (see Nanakru)	Liberia	4° 49' 50" N 8° 43' 34" W	66 m
Great Nanna Kru (see Nanakru)	Liberia	4° 49' 50" N 8° 43' 34" W	66 m
Kouandé (see also: Kwade, Kwande)	Benin	6° 24' 00" N 2° 04' 00" E	66 m
Kpogan (see also: Pogan)	Togo	6° 10' 22" N 1° 22' 57" E	66 m
Kwade (see Kouandé)	Benin	6° 24' 00" N 2° 04' 00" E	66 m
Kwande (see Kouandé)	Benin	6° 24' 00" N 2° 04' 00" E	66 m
Meanja, 40 km N Buéa station (see also: Buéa station, 40 km N)	Cameroon	4° 16' 23" N 9° 23' 32" E	66 m
Nanakru (see also: Bendo, Great Nanakru, Great Nanna Kru, Nankano, Nanna Kru)	Liberia	4° 49' 50" N 8° 43' 34" W	66 m
Nankano (see Nanakru)	Liberia	4° 49' 50" N 8° 43' 34" W	66 m
Nanna Kru (see Nanakru)	Liberia	4° 49' 50" N 8° 43' 34" W	66 m
Pogan (see Kpogan)	Togo	6° 10' 22" N 1° 22' 57" E	66 m

Dandarah (see also: Dandera, Denderah, Denderah temple, Tentyra)	Egypt		26° 10' 09" N 32° 39' 19" E	67 m
Dandera (see Dandarah)	Egypt		26° 10' 09" N 32° 39' 19" E	67 m
Denderah (see Dandarah)	Egypt		26° 10' 09" N 32° 39' 19" E	67 m
Denderah temple (see Dandarah)	Egypt		26° 10' 09" N 32° 39' 19" E	67 m
Gamon	Senegal		13° 20' 00" N 12° 55' 00" W	67 m
Itaranta, 20 km WNW Ranopiso (see also: Ranopiso, 20 km WNW)	Madagascar		25° 01' 00" S 46° 29' 00" E	67 m
Njala (see also: Njale)	Sierra Leone		8° 07' 04" N 12° 05' 04" W	67 m
Njale (see Njala)	Sierra Leone		8° 07' 04" N 12° 05' 04" W	67 m
Ranopiso, 20 km WNW (see Itaranta)	Madagascar		25° 01' 00" S 46° 29' 00" E	67 m
Tentyra (see Dandarah)	Egypt		26° 10' 09" N 32° 39' 19" E	67 m
Cabo Guja (see also: Guja, Guya)	Mozambique		23° 44' 28" S 35° 20' 58" E	68 m
Gerhard's cave	Mozambique		21° 40' 12" S 34° 51' 36" E	68 m
Guja (see Cabo Guja)	Mozambique		23° 44' 28" S 35° 20' 58" E	68 m
Guya (see Cabo Guja)	Mozambique		23° 44' 28" S 35° 20' 58" E	68 m
Tassi (see Teshi)	Ghana		5° 35' 00" N 0° 06' 00" W	68 m
Teshi (see also: Tassi, Teshie)	Ghana		5° 35' 00" N 0° 06' 00" W	68 m
Teshie (see Teshi)	Ghana		5° 35' 00" N 0° 06' 00" W	68 m
Ijara, 2.5 mi [=4 km] SW	Kenya	ca.	1° 36' 12" S 40° 31' 31" E	69 m
Sena (see Vila de Sena), S of Zambezi River	Mozambique		17° 26' 30" S 35° 01' 38" E	69 m
Vila de Sena (see also: Sena)	Mozambique		17° 26' 30" S 35° 01' 38" E	69 m
Abokobi	Ghana		5° 44' 00" N 0° 12' 00" W	70 m
Axim	Ghana		4° 52' 06" N 2° 14' 29" W	70 m
Bontebok National Park (see Lang-Elsieskraal Bontebok Park)	South Africa		34° 05' 00" S 20° 27' 00" E	70 m
Ehania (see also: Ehanina)	Côte d'Ivoire		5° 14' 00" N 2° 46' 00" W	70 m
Ehanina (see Ehania)	Côte d'Ivoire		5° 14' 00" N 2° 46' 00" W	70 m
Lang-Elsieskraal Bontebok Park, 6 km S, 1 km E Swellendam (see also: Bontebok National Park, Swellendam, 6 km S, 1 km E)	South Africa		34° 05' 00" S 20° 27' 00" E	70 m
Montclair	South Africa		29° 55' 14" S 30° 58' 08" E	70 m
Swellendam, 6 km S, 1 km E (see Lang-Elsieskraal Bontebok Park)	South Africa		34° 05' 00" S 20° 27' 00" E	70 m
Escombe, Durban, Queensburgh	South Africa		29° 52' 00" S 30° 54' 00" E	71 m
Gebel el Hagif (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Halwan, near Giza (see also: Helonan, Helouan, Hélouan-les-Bains, Helvan, Helwân, Hilwan, Hulwan, Les Bains)	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Helonan (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Helouan (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Hélouan-les-Bains (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Helvan (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Helwân (see Halwan), near Giza, Wadi Hof	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Hilwan (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Hulwan (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Les Bains (see Halwan), near Giza	Egypt		29° 51' 00" N 31° 20' 00" E	71 m
Nag Hamadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Nag Hamady (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Nag' Hammadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Nag' Hammadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Naga Hamadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Naj' al Hammadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Naj' al ?ammadi (see Naj' ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Naj' ?ammadi (see also: Gebel el Hagif, Nag Hamadi, Nag Hamady, Nag' Hammadi, Nag' Hammadi, Naga Hamadi, Naj' al Hammadi, Naj' al ?ammadi)	Egypt		26° 03' 05" N 32° 14' 19" E	71 m
Walmer, Port Elizabeth	South Africa		33° 59' 00" S 25° 35' 00" E	71 m
Cosrou (see also: Cosru, Kosrou)	Côte d'Ivoire		5° 19' 16" N 4° 39' 41" W	72 m
Cosru (see Cosrou)	Côte d'Ivoire		5° 19' 16" N 4° 39' 41" W	72 m
Kosrou (see Cosrou)	Côte d'Ivoire		5° 19' 16" N 4° 39' 41" W	72 m
Saint Winifred's Beach	South Africa		30° 05' 18" S 30° 51' 14" E	72 m
Sapoba	Nigeria		6° 06' 23" N 5° 53' 55" E	72 m
Abu Sir	Egypt		29° 53' 00" N 31° 13' 00" E	73 m
Abu Sir	Egypt		29° 53' 00" N 31° 13' 00" E	73 m

Adiapo-Doumé, near Abidjan (see also: Adiopo Doumé, Adiopodoume, Adiopodoumé)	Côte d'Ivoire		5° 20' 12" N 4° 07' 57" W	73 m
Adiopo Doumé (see Adiapo-Doumé), near Abidjan	Côte d'Ivoire		5° 20' 12" N 4° 07' 57" W	73 m
Adiopodoume (see Adiapo-Doumé)	Côte d'Ivoire		5° 20' 12" N 4° 07' 57" W	73 m
Adiopodoumé (see Adiapo-Doumé), near Abidjan	Côte d'Ivoire		5° 20' 12" N 4° 07' 57" W	73 m
Ahiérémou	Côte d'Ivoire		6° 14' 00" N 4° 56' 00" W	73 m
Anima Krom (see Animakrom), 6 mi [=9.7 km] N Princess Town	Ghana		4° 50' 12" N 2° 04' 46" W	73 m
Animakrom, 6 mi [=9.7 km] N Princess Town (see also: Anima Krom, Princess Town, 6 mi [=9.7 km] N)	Ghana		4° 50' 12" N 2° 04' 46" W	73 m
Duca degli Abruzzi (see Jawhar)	Somalia		1° 57' 00" N 44° 50' 00" E	73 m
Giohar (see Jawhar)	Somalia		1° 57' 00" N 44° 50' 00" E	73 m
Jawhar (see also: Duca degli Abruzzi, Giohar, Jowhar)	Somalia		1° 57' 00" N 44° 50' 00" E	73 m
Jowhar (see Jawhar)	Somalia		1° 57' 00" N 44° 50' 00" E	73 m
Princess Town, 6 mi [=9.7 km] N (see Animakrom)	Ghana		4° 50' 12" N 2° 04' 46" W	73 m
Saint-Denis-du-Sig (see Sig)	Algeria		35° 31' 40" N 0° 11' 43" W	73 m
Sig (see also: Saint-Denis-du-Sig)	Algeria		35° 31' 40" N 0° 11' 43" W	73 m
Abidan (see Abidjan)	Côte d'Ivoire		5° 20' 28" N 4° 01' 41" W	74 m
Abidjan (see also: Abidan)	Côte d'Ivoire		5° 20' 28" N 4° 01' 41" W	74 m
Bingerville	Côte d'Ivoire		5° 21' 21" N 3° 53' 24" W	74 m
Debreeka (see Dubréka)	Guinea		9° 47' 28" N 13° 31' 24" W	74 m
Dubréka (see also: Debreeka, Dubreka, Soumba o Dubreka)	Guinea		9° 47' 28" N 13° 31' 24" W	74 m
Dubreka (see Dubréka)	Guinea		9° 47' 28" N 13° 31' 24" W	74 m
Dwokwaa (see Jukwa)	Ghana		5° 16' 00" N 1° 20' 00" W	74 m
Ilishan-Remo	Nigeria		6° 53' 42" N 3° 42' 51" E	74 m
Japo Sud (see Yapo Kra)	Côte d'Ivoire		5° 49' 00" N 4° 08' 00" W	74 m
Jukwa (see also: Dwokwaa)	Ghana		5° 16' 00" N 1° 20' 00" W	74 m
Mankesim (see also: Mankesin, Mankessim, Nankasi)	Ghana		5° 16' 00" N 1° 01' 00" W	74 m
Mankesin (see Mankesim)	Ghana		5° 16' 00" N 1° 01' 00" W	74 m
Mankessim (see Mankesim)	Ghana		5° 16' 00" N 1° 01' 00" W	74 m
Nankasi (see Mankesim)	Ghana		5° 16' 00" N 1° 01' 00" W	74 m
Soumba o Dubreka (see Dubréka)	Guinea		9° 47' 28" N 13° 31' 24" W	74 m
Takwa Mines	Ghana		5° 28' 00" N 0° 51' 00" W	74 m
Weija	Ghana		5° 34' 00" N 0° 20' 00" W	74 m
Yapo Kra (see also: Japo Sud, Yapo Sud, Yapo-Sud)	Côte d'Ivoire		5° 49' 00" N 4° 08' 00" W	74 m
Yapo Sud (see Yapo Kra)	Côte d'Ivoire		5° 49' 00" N 4° 08' 00" W	74 m
Yapo-Sud (see Yapo Kra)	Côte d'Ivoire		5° 49' 00" N 4° 08' 00" W	74 m
Andrafia (see Andrafiavelo), 42 km NE Maintirano	Madagascar		17° 46' 00" S 44° 13' 00" E	75 m
Andrafiavelo, 42 km NE Maintirano (see also: Andrafia, Andriafavelo, Maintirano, 42 km NE)	Madagascar		17° 46' 00" S 44° 13' 00" E	75 m
Andriafavelo (see Andrafiavelo), 42 km NE Maintirano	Madagascar		17° 46' 00" S 44° 13' 00" E	75 m
Blythedale Beach, Minivillas, KwaDukuza	South Africa		29° 22' 23" S 31° 20' 57" E	75 m
Botrivier	South Africa		34° 13' 00" S 19° 12' 00" E	75 m
Covane	Mozambique		21° 21' 55" S 33° 56' 15" E	75 m
Kpakobo (see Pacobo)	Côte d'Ivoire		6° 10' 03" N 4° 56' 14" W	75 m
Legon University (see Legon)	Ghana		5° 39' 00" N 0° 11' 00" W	75 m
Maintirano, 42 km NE (see Andrafiavelo)	Madagascar		17° 46' 00" S 44° 13' 00" E	75 m
Mankesim, near (see also: Mankesin, vicinity of)	Ghana	ca.	5° 16' 00" N 1° 01' 00" W	ca. 75 m
Mankesin, vicinity of (see Mankesim, near)	Ghana	ca.	5° 16' 00" N 1° 01' 00" W	ca. 75 m
Pacobo (see also: Kpakobo, Pakobo)	Côte d'Ivoire		6° 10' 03" N 4° 56' 14" W	75 m
Pakobo (see Pacobo)	Côte d'Ivoire		6° 10' 03" N 4° 56' 14" W	75 m
University of Ghana (see Legon)	Ghana		5° 39' 00" N 0° 11' 00" W	75 m
ACWA (see Adventist College of West Africa (ACWA)), 1.6 km SE Ilishan-Remo	Nigeria		6° 53' 42" N 3° 42' 51" E	76 m
Adventist College of West Africa (ACWA), 1.6 km SE Ilishan-Remo (see also: ACWA, Ilisham Remo, 1 mi [=1.6 km] SE, Ilishan-Remo, 1.6 km SE)	Nigeria		6° 53' 42" N 3° 42' 51" E	76 m
Akonsonbo (see Akosombo)	Ghana		6° 18' 00" N 0° 03' 00" E	76 m
Akoso Mbo (see Akosombo)	Ghana		6° 18' 00" N 0° 03' 00" E	76 m
Akosombo (see also: Akonsonbo, Akoso Mbo, Kosombo, Oko sombo)	Ghana		6° 18' 00" N 0° 03' 00" E	76 m

Al Uqsur (see also: El Aqsur, El Kusur, El Qusur, El Uqsor, El-Aksur, Louksor, Luksor, Luqsor, Luxor)	Egypt	25° 41' 00" N 32° 39' 00" E	76 m
Benito River, 30 mi [=48 km] from mouth	Equatorial Guinea	1° 36' 00" N 10° 03' 12" E	76 m
Boé (see Madina do Boé)	Guinea-Bissau	11° 45' 00" N 14° 13' 00" W	76 m
El Aqsur (see Al Uqsur)	Egypt	25° 41' 00" N 32° 39' 00" E	76 m
El Kusur (see Al Uqsur)	Egypt	25° 41' 00" N 32° 39' 00" E	76 m
El Qusur (see Al Uqsur)	Egypt	25° 41' 00" N 32° 39' 00" E	76 m
El Uqsor (see Al Uqsur)	Egypt	25° 41' 00" N 32° 39' 00" E	76 m
El-Aksur (see Al Uqsur)	Egypt	25° 41' 00" N 32° 39' 00" E	76 m
Emseleni (see Mseleni)	South Africa	27° 19' 00" S 32° 32' 00" E	76 m
Freetown, Hillstation	Sierra Leone	8° 29' 24" N 13° 14' 03" W	76 m
Ilishan-Remo, 1.6 km SE (see Adventist College of West Africa (ACWA))	Nigeria	6° 53' 42" N 3° 42' 51" E	76 m
Kosombo (see Akosombo)	Ghana	6° 18' 00" N 0° 03' 00" E	76 m
Louksor (see Al Uqsur)	Egypt	25° 41' 00" N 32° 39' 00" E	76 m
Luksor (see Al Uqsur)	Egypt	25° 41' 00" N 32° 39' 00" E	76 m
Luqsor (see Al Uqsur)	Egypt	25° 41' 00" N 32° 39' 00" E	76 m
Luxor (see Al Uqsur)	Egypt	25° 41' 00" N 32° 39' 00" E	76 m
Madina (see Madina do Boé)	Guinea-Bissau	11° 45' 00" N 14° 13' 00" W	76 m
Madina Boé (see Madina do Boé)	Guinea-Bissau	11° 45' 00" N 14° 13' 00" W	76 m
Madina do Boé (see also: Boé, Madina, Madina Boé, Medina de Boa)	Guinea-Bissau	11° 45' 00" N 14° 13' 00" W	76 m
Medina de Boa (see Madina do Boé)	Guinea-Bissau	11° 45' 00" N 14° 13' 00" W	76 m
Mseleni (see also: Emseleni)	South Africa	27° 19' 00" S 32° 32' 00" E	76 m
Oko sombo (see Akosombo)	Ghana	6° 18' 00" N 0° 03' 00" E	76 m
Afgoi (see Afgooye)	Somalia	2° 09' 00" N 45° 07' 00" E	77 m
Afgooye (see also: Afgoi, Afgoye, Asgoi)	Somalia	2° 09' 00" N 45° 07' 00" E	77 m
Afgoye (see Afgooye)	Somalia	2° 09' 00" N 45° 07' 00" E	77 m
Asgoi (see Afgooye)	Somalia	2° 09' 00" N 45° 07' 00" E	77 m
Benim (see Benin-City), Sapoba	Nigeria	6° 20' 00" N 5° 38' 00" E	77 m
Bénin (see Benin-City), Sapoba	Nigeria	6° 20' 00" N 5° 38' 00" E	77 m
Benin-City, Sapoba (see also: Benim, Bénin)	Nigeria	6° 20' 00" N 5° 38' 00" E	77 m
Big Bend	Swaziland	26° 49' 00" S 31° 56' 00" E	77 m
Dûsh (see Izbat Dush)	Egypt	24° 34' 00" N 30° 42' 00" E	77 m
Dush temple (see Izbat Dush), S of Baris	Egypt	24° 34' 00" N 30° 42' 00" E	77 m
Ezbet Dush (see Izbat Dush)	Egypt	24° 34' 00" N 30° 42' 00" E	77 m
Galole Road, 8.5 km N Garsen (see also: Garsen, 8.5 km N)	Kenya	1° 30' 13" S 40° 01' 44" E	77 m
Garsen, 8.5 km N (see Galole Road), on Galole road	Kenya	1° 30' 13" S 40° 01' 44" E	77 m
Izbat Dush (see also: Dûsh, Dush temple, Ezbet Dush)	Egypt	24° 34' 00" N 30° 42' 00" E	77 m
New Shagunnu	Nigeria	10° 20' 00" N 4° 28' 00" E	77 m
Rokupr	Sierra Leone	8° 40' 18" N 12° 23' 43" W	77 m
San Filipo (see São Filipe)	Cape Verde	14° 54' 00" N 24° 31' 00" W	77 m
São Filipe (see also: San Filipo, Sao Filipo, St. Filippe, Vila de São Filippe, Vila São Filipe)	Cape Verde	14° 54' 00" N 24° 31' 00" W	77 m
Sao Filipo (see São Filipe)	Cape Verde	14° 54' 00" N 24° 31' 00" W	77 m
Shagunnu (see also: Shagunu, Shagunu Borgu)	Nigeria	10° 20' 00" N 4° 28' 00" E	77 m
Shagunu (see Shagunnu)	Nigeria	10° 20' 00" N 4° 28' 00" E	77 m
Shagunu Borgu (see Shagunnu)	Nigeria	10° 20' 00" N 4° 28' 00" E	77 m
St. Filippe (see São Filipe)	Cape Verde	14° 54' 00" N 24° 31' 00" W	77 m
Vila de São Filippe (see São Filipe)	Cape Verde	14° 54' 00" N 24° 31' 00" W	77 m
Vila São Filipe (see São Filipe)	Cape Verde	14° 54' 00" N 24° 31' 00" W	77 m
Misserghin, 12 km SW Oran (see also: Oran, 12 km SW)	Algeria	35° 36' 42" N 0° 44' 27" W	78 m
Batoke, near Bota (see also: Batoki)	Cameroon	4° 01' 49" N 9° 06' 04" E	79 m
Batoki (see Batoke), near Bota	Cameroon	4° 01' 49" N 9° 06' 04" E	79 m
Ndumo (see also: Ndumu)	South Africa	26° 55' 33" S 31° 15' 06" E	79 m
Ndumu (see Ndumo)	South Africa	26° 55' 33" S 31° 15' 06" E	79 m
Tanger (see also: Tangeri, Tangier, Tingis)	Morocco	35° 47' 05" N 5° 48' 46" W	79 m
Tangeri (see Tanger)	Morocco	35° 47' 05" N 5° 48' 46" W	79 m
Tangier (see Tanger)	Morocco	35° 47' 05" N 5° 48' 46" W	79 m
Tingis (see Tanger)	Morocco	35° 47' 05" N 5° 48' 46" W	79 m
Ambahibe cave, 2 km W Mahamasina (see also: Grotte d'Ambahibe, Mahamasina, 2 km W)	Madagascar	12° 58' 04" S 49° 07' 14" E	80 m

Amboasary, 24 km (by road) NNE	Madagascar		24° 52' 00" S 46° 27' 00" E	80 m
Ambohimirija caves (see Namoroka)	Madagascar		16° 24' 00" S 45° 17' 00" E	80 m
Ankiloaka, 9.5 km W (see Forêt des Mikea (2))	Madagascar		22° 46' 42" S 43° 31' 24" E	80 m
Bat Cave, 3 km NW Mahamasima (see also: Grotte des chauves-souris, Mahamasina, 3 km NW)	Madagascar		12° 57' 23" S 49° 07' 05" E	80 m
Beraketa, ca 20 km (by road) NNE Amboasary	Madagascar		24° 52' 00" S 46° 27' 00" E	80 m
Causse de Namoroka (see Namoroka)	Madagascar		16° 24' 00" S 45° 17' 00" E	80 m
Forêt des Mikea (2), 9.5 km W Ankiloaka (see also: Ankiloaka, 9.5 km W, Tsifota, 7.5 km NE)	Madagascar		22° 46' 42" S 43° 31' 24" E	80 m
Grotte d'Ambahibe (see Ambahibe cave), 2 km W Mahamasina	Madagascar		12° 58' 04" S 49° 07' 14" E	80 m
Grotte des chauves-souris (see Bat Cave), 3 km NW Mahamasima	Madagascar		12° 57' 23" S 49° 07' 05" E	80 m
Grottes d'Ambohimirija (see Namoroka)	Madagascar		16° 24' 00" S 45° 17' 00" E	80 m
Mahamasina, 2 km W (see Ambahibe cave)	Madagascar		12° 58' 04" S 49° 07' 14" E	80 m
Mahamasina, 3 km NW (see Bat Cave)	Madagascar		12° 57' 23" S 49° 07' 05" E	80 m
Makere, lower Tana river (see also: Makeri)	Kenya		1° 20' 55" S 40° 00' 19" E	80 m
Makeri (see Makere), lower Tana river	Kenya		1° 20' 55" S 40° 00' 19" E	80 m
Moroni, 21.1 km N (see Panga Chilamouinani), near Fassi, 21.1 km N Moroni	Comoro Islands		11° 24' 26" S 43° 16' 58" E	80 m
Namoroka (see also: Ambohimirija caves, Causse de Namoroka, Grottes d'Ambohimirija)	Madagascar		16° 24' 00" S 45° 17' 00" E	80 m
Nyamaoui Panga (see Panga Chilamouinani), near Fassi, 21.1 km N Moroni	Comoro Islands		11° 24' 26" S 43° 16' 58" E	80 m
Pagegi (see Pategi) (see also: Papegi)	Nigeria		8° 44' 00" N 5° 45' 00" E	80 m
Panga Chilamouinani, near Fassi, 21.1 km N Moroni (see also: Moroni, 21.1 km N, Nyamaoui Panga)	Comoro Islands		11° 24' 26" S 43° 16' 58" E	80 m
Papegi (see Pagegi)	Nigeria		8° 44' 00" N 5° 45' 00" E	80 m
Pategi (see also: Pagegi)	Nigeria		8° 44' 00" N 5° 45' 00" E	80 m
Sainte Clothilde	Réunion		20° 55' 04" S 55° 28' 59" E	80 m
Tsifota, 7.5 km NE (see Forêt des Mikea (2))	Madagascar		22° 46' 42" S 43° 31' 24" E	80 m
Chiconi (see Chikoni)	Comoro Islands		12° 17' 09" S 43° 37' 54" E	81 m
Chikoni (see also: Chiconi)	Comoro Islands		12° 17' 09" S 43° 37' 54" E	81 m
Chimonzo	Mozambique		24° 56' 54" S 33° 17' 30" E	81 m
Half Jack (see Jacqueville)	Côte d'Ivoire		5° 12' 02" N 4° 24' 44" W	81 m
Jackville (see Jacqueville)	Côte d'Ivoire		5° 12' 02" N 4° 24' 44" W	81 m
Jacqueville (see also: Half Jack, Jackville)	Côte d'Ivoire		5° 12' 02" N 4° 24' 44" W	81 m
Mission Protestante de Samkita (see Samkita)	Gabon		0° 27' 00" S 10° 27' 00" E	81 m
Samkita (see also: Mission Protestante de Samkita, Samkitta)	Gabon		0° 27' 00" S 10° 27' 00" E	81 m
Samkitta (see Samkita)	Gabon		0° 27' 00" S 10° 27' 00" E	81 m
Achimota, between Legon and Accra (see also: Achimota College, Achimota Village, Archimota)	Ghana		5° 37' 00" N 0° 14' 00" W	82 m
Achimota College (see Achimota)	Ghana		5° 37' 00" N 0° 14' 00" W	82 m
Achimota Village (see Achimota)	Ghana		5° 37' 00" N 0° 14' 00" W	82 m
Aguleri, Anambra Creek (see also: Anambra Creek)	Nigeria		6° 20' 00" N 6° 53' 00" E	82 m
Anambra Creek (see Aguleri)	Nigeria		6° 20' 00" N 6° 53' 00" E	82 m
Archimota (see Achimota), between Legon and Accra	Ghana		5° 37' 00" N 0° 14' 00" W	82 m
Galma Galla [waterholes]	Kenya		1° 12' 00" S 40° 47' 00" E	82 m
Galma Galla, 1 mi [=1.6 km] W	Kenya	ca.	1° 12' 00" S 40° 47' 00" E	ca. 82 m
Galma Galla, 1.5 mi [=2.4 km] W	Kenya	ca.	1° 12' 00" S 40° 47' 00" E	ca. 82 m
Marovoay	Madagascar		16° 06' 00" S 46° 38' 00" E	82 m
Kete (see Kete Krachi)	Ghana		7° 48' 00" N 0° 01' 00" W	83 m
Kete Krachi (see also: Kete, Kete Krakye, Kete Kratchi, Kete-Kratschi, Kete-Ktachi, Krachi, Krete Kratschi)	Ghana		7° 48' 00" N 0° 01' 00" W	83 m
Kete Krakye (see Kete Krachi)	Ghana		7° 48' 00" N 0° 01' 00" W	83 m
Kete Kratchi (see Kete Krachi)	Ghana		7° 48' 00" N 0° 01' 00" W	83 m
Kete-Kratschi (see Kete Krachi)	Ghana		7° 48' 00" N 0° 01' 00" W	83 m
Kete-Ktachi (see Kete Krachi)	Ghana		7° 48' 00" N 0° 01' 00" W	83 m
Krachi (see Kete Krachi)	Ghana		7° 48' 00" N 0° 01' 00" W	83 m
Krete Kratschi (see Kete Krachi)	Ghana		7° 48' 00" N 0° 01' 00" W	83 m
Balad (see Balcad)	Somalia		2° 21' 00" N 45° 23' 00" E	84 m
Balcad (see also: Balad)	Somalia		2° 21' 00" N 45° 23' 00" E	84 m

Bogoso	Ghana	5° 34' 00" N 2° 01' 00" W	84 m
Mayville, Pretoria	South Africa	25° 43' 00" S 28° 11' 00" E	84 m
Tembe Elephant Park, Ingwavuma (see also: Tembe National Park)	South Africa	27° 02' 36" S 32° 25' 23" E	84 m
Tembe National Park (see Tembe Elephant Park), Ingwavuma	South Africa	27° 02' 36" S 32° 25' 23" E	84 m
Wynberg, Cape Town (see also: Wynberg cave)	South Africa	34° 00' 00" S 18° 28' 00" E	84 m
Assouan (see Aswan)	Egypt	24° 05' 15" N 32° 53' 56" E	85 m
Assuan (see Aswan)	Egypt	24° 05' 15" N 32° 53' 56" E	85 m
Aswan (see also: Assouan, Assuan, Aswân, Es-Suan, Syena, Syene, Syeue)	Egypt	24° 05' 15" N 32° 53' 56" E	85 m
Aswân (see Aswan)	Egypt	24° 05' 15" N 32° 53' 56" E	85 m
Es-Suan (see Aswan)	Egypt	24° 05' 15" N 32° 53' 56" E	85 m
Syena (see Aswan)	Egypt	24° 05' 15" N 32° 53' 56" E	85 m
Syene (see Aswan)	Egypt	24° 05' 15" N 32° 53' 56" E	85 m
Syeue (see Aswan)	Egypt	24° 05' 15" N 32° 53' 56" E	85 m
Appolinopolis Magna (see Idfu)	Egypt	24° 58' 00" N 32° 52' 00" E	86 m
Appolonopolis Manga (see Idfu)	Egypt	24° 58' 00" N 32° 52' 00" E	86 m
Edfou (see Idfu)	Egypt	24° 58' 00" N 32° 52' 00" E	86 m
Edfu (see Idfu)	Egypt	24° 58' 00" N 32° 52' 00" E	86 m
Idfu (see also: Appolinopolis Magna, Appolonopolis Manga, Edfou, Edfu, Idfu Bahari, Idfu Bahri)	Egypt	24° 58' 00" N 32° 52' 00" E	86 m
Idfu Bahari (see Idfu)	Egypt	24° 58' 00" N 32° 52' 00" E	86 m
Idfu Bahri (see Idfu)	Egypt	24° 58' 00" N 32° 52' 00" E	86 m
Masingini Forest Station	Tanzania	6° 07' 00" S 39° 14' 34" E	86 m
Cabire (see Cabiri)	Angola	8° 54' 55" S 13° 40' 09" E	87 m
Cabiri (see also: Cabire, Kabire, Kabiri)	Angola	8° 54' 55" S 13° 40' 09" E	87 m
Kabire (see Cabiri)	Angola	8° 54' 55" S 13° 40' 09" E	87 m
Kabiri (see Cabiri)	Angola	8° 54' 55" S 13° 40' 09" E	87 m
Mokwa	Nigeria	9° 17' 00" N 5° 03' 00" E	87 m
Kwabenya, Legon, near Accra	Ghana	5° 41' 18" N 0° 14' 43" W	88 m
Kissey (see Kissy), near Freetown	Sierra Leone	8° 28' 07" N 13° 11' 35" W	89 m
Kissy, near Freetown (see also: Kissey, Kissy Village)	Sierra Leone	8° 28' 07" N 13° 11' 35" W	89 m
Kissy Village (see Kissy), near Freetown	Sierra Leone	8° 28' 07" N 13° 11' 35" W	89 m
Bazaribe, cave, 3.6 km SE Menagisy (see also: Grotte de Bazaribe, Menagisy, 3.6 km SE)	Madagascar	12° 42' 44" S 49° 28' 25" E	90 m
Coconi	Mayotte	12° 49' 55" S 45° 08' 13" E	90 m
Grotte de Bazaribe (see Bazaribe, cave), 3.6 km SE Menagisy	Madagascar	12° 42' 44" S 49° 28' 25" E	90 m
Menagisy, 3.6 km SE (see Bazaribe, cave)	Madagascar	12° 42' 44" S 49° 28' 25" E	90 m
Silacounda (see Sillakounda Diakha)	Senegal	12° 38' 39" N 12° 07' 25" W	90 m
Silacounta (see Sillakounda Diakha)	Senegal	12° 38' 39" N 12° 07' 25" W	90 m
Silakounda (see Sillakounda Diakha)	Senegal	12° 38' 39" N 12° 07' 25" W	90 m
Sillakounda Diakha (see also: Silacounda, Silacounta, Silakounda)	Senegal	12° 38' 39" N 12° 07' 25" W	90 m
Chigubo Administrative Poste	Mozambique	22° 49' 45" S 33° 31' 26" E	91 m
Fanti	Liberia	5° 07' 59" N 8° 57' 50" W	91 m
Stellenbosch	South Africa	33° 56' 00" S 18° 51' 00" E	91 m
Makeni	Sierra Leone	8° 53' 00" N 12° 03' 00" W	92 m
Souk el Tenine	Algeria	36° 37' 36" N 5° 20' 02" E	92 m
Asseiceira (see Catumbela)	Angola	12° 25' 53" S 13° 32' 50" E	93 m
Catumbela (see also: Asseiceira, Catumbella, Katumbela)	Angola	12° 25' 53" S 13° 32' 50" E	93 m
Catumbella (see Catumbela)	Angola	12° 25' 53" S 13° 32' 50" E	93 m
Huxe (see Uche)	Angola	12° 43' 15" S 13° 18' 33" E	93 m
Katumbela (see Catumbela)	Angola	12° 25' 53" S 13° 32' 50" E	93 m
Masabubu	Kenya	1° 12' 47" S 40° 01' 03" E	93 m
Uche (see also: Huxe)	Angola	12° 43' 15" S 13° 18' 33" E	93 m
Ankarana (see also: Ankarana caves, Ankarana Forest, Sosumau, Sosumav, Sosumaville)	Madagascar	13° 05' 00" S 48° 55' 00" E	94 m
Ankarana caves (see Ankarana)	Madagascar	13° 05' 00" S 48° 55' 00" E	94 m
Ankarana Forest (see Ankarana)	Madagascar	13° 05' 00" S 48° 55' 00" E	94 m
Blékoum	Côte d'Ivoire	6° 22' 30" N 3° 32' 32" W	94 m
Bube pan, 15 km E Mkuzi village (see also: Malibali Hide, Malibali pan, Mkuzi village, 15 km E)	South Africa	27° 37' 58" S 32° 11' 03" E	94 m
Camp Schieffellin (see Schieffelin), on Junk river	Liberia	6° 13' 17" N 10° 32' 16" W	94 m

Changalane (see also: Estatuane)	Mozambique		26° 17' 29" S 32° 11' 23" E	94 m
Chikwawa	Malawi		16° 03' 00" S 34° 48' 00" E	94 m
Estatuane (see Changalane)	Mozambique		26° 17' 29" S 32° 11' 23" E	94 m
Kumsinga Hide, 15 km E Mkuzi village	South Africa		27° 37' 43" S 32° 14' 09" E	94 m
Malibali Hide (see Bube pan)	South Africa		27° 37' 58" S 32° 11' 03" E	94 m
Malibali pan (see Bube pan), 15 km E Mkuzi village	South Africa		27° 37' 58" S 32° 11' 03" E	94 m
Mkuzi village, 15 km E (see Bube pan)	South Africa		27° 37' 58" S 32° 11' 03" E	94 m
Schieffelin, on Junk river (see also: Camp Schieffellin, Schieffelinsville, Schieffellin)	Liberia		6° 13' 17" N 10° 32' 16" W	94 m
Schieffelinsville (see Schieffelin), on Junk river	Liberia		6° 13' 17" N 10° 32' 16" W	94 m
Schieffellin (see Schieffelin), on Junk river	Liberia		6° 13' 17" N 10° 32' 16" W	94 m
Sosumau (see Ankarana)	Madagascar		13° 05' 00" S 48° 55' 00" E	94 m
Sosumav (see Ankarana)	Madagascar		13° 05' 00" S 48° 55' 00" E	94 m
Sosumaville (see Ankarana)	Madagascar		13° 05' 00" S 48° 55' 00" E	94 m
Ankilibaka (see Ankililoaka)	Madagascar		22° 46' 03" S 43° 36' 57" E	95 m
Ankililoaka (see also: Ankilibaka)	Madagascar		22° 46' 03" S 43° 36' 57" E	95 m
Coya (see Coyah)	Guinea		9° 42' 20" N 13° 22' 37" W	95 m
Coyah, Guinee-Maritime (see also: Coya, Guinee-Maritime, cave, Koya)	Guinea		9° 42' 20" N 13° 22' 37" W	95 m
Donghila (see Donguila)	Gabon		0° 13' 00" N 9° 45' 00" E	95 m
Dongila (see Donguila)	Gabon		0° 13' 00" N 9° 45' 00" E	95 m
Donguila (see also: Donghila, Dongila)	Gabon		0° 13' 00" N 9° 45' 00" E	95 m
Grotte de Maromandia (see Maromandia)	Madagascar		14° 13' 00" S 48° 05' 00" E	95 m
Guinee-Maritime, cave (see Coyah)	Guinea		9° 42' 20" N 13° 22' 37" W	95 m
Harbel	Liberia		6° 16' 47" N 10° 20' 51" W	95 m
Koya (see Coyah)	Guinea		9° 42' 20" N 13° 22' 37" W	95 m
Maromandia (see also: Grotte de Maromandia, Maromandia cave)	Madagascar		14° 13' 00" S 48° 05' 00" E	95 m
Maromandia cave (see Maromandia)	Madagascar		14° 13' 00" S 48° 05' 00" E	95 m
Maromandia, NW	Madagascar	ca.	14° 13' 00" S 48° 05' 00" E	95 m
Hammam Djedidi (see Hammam Jedidi)	Tunisia		36° 23' 42" N 10° 23' 07" E	96 m
?ammam Jadidi (see Hammam Jedidi)	Tunisia		36° 23' 42" N 10° 23' 07" E	96 m
Hammam Jedidi (see also: Hammam Djedidi, ?ammam Jadidi)	Tunisia		36° 23' 42" N 10° 23' 07" E	96 m
Pigeon Valley (see Pigeon Valley Park), Durban	South Africa		29° 52' 00" S 31° 00' 00" E	96 m
Pigeon Valley Park, Durban, Glenwood (see also: Pigeon Valley)	South Africa		29° 51' 53" S 30° 59' 13" E	96 m
Calabar	Nigeria		4° 57' 00" N 8° 19' 00" E	97 m
Accra (see also: Akra)	Ghana		5° 33' 00" N 0° 13' 00" W	98 m
Akra (see Accra)	Ghana		5° 33' 00" N 0° 13' 00" W	98 m
Bimbia, near Victoria, near Limbe	Cameroon		3° 57' 16" N 9° 14' 42" E	98 m
Kédougou	Senegal		12° 33' 00" N 12° 11' 00" W	99 m
Mombasa, 20 mi [=32 km] N (see Vipingo)	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Mombasa, 25 mi [=40 km] N (see Vipingo)	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingo, 20 mi [=32 km] N Mobasa (see also: Mombasa, 20 mi [=32 km] N, Vipingoni)	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingo, 25 mi [=40 km] N Mombasa (see also: Mombasa, 25 mi [=40 km] N, Vipingo cave(s), Vipingoni, Vipingoni cave(s))	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingo cave(s) (see Vipingo), 25 mi [=40 km] N Mombasa	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni (see Vipingo), 25 mi [=40 km] N Mombasa	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni (see Vipingo), 20 mi [=32 km] N Mobasa	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Vipingoni cave(s) (see Vipingo), 25 mi [=40 km] N Mombasa	Kenya		3° 49' 00" S 39° 48' 00" E	99 m
Ampirojoa forest (see Forêt d'Ampirojoa)	Madagascar		16° 18' 54" S 46° 48' 36" E	100 m
Andranoboka, caves (see Anjohibe Cave), NCC-1 deposit	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Andranomavo, 32 km NW, near source of Mandevy River	Madagascar		16° 22' 48" S 45° 20' 42" E	100 m
Androhibe, caves (see Anjohibe Cave), NCC-1 deposit	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Anjohibe Cave, NCC-1 deposit, 3.7 km NE Antanamarina (see also: Andranoboka, caves, Androhibe, caves, Anjohibe Zohin', Antanamarina, 3.7 km NE, Grotte d'Anjohibe, Grottes d'Andranoboka, Grottes d'Androhibe, Grottes d'Anjohibe, Tsinjomitondraka)	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Anjohibe Zohin' (see Anjohibe Cave), NCC-1 deposit	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m
Ankidrodroa, 2.5 m NE Bekopaka	Madagascar		19° 07' 54" S 44° 48' 30" E	100 m
Antanamarina, 3.7 km NE (see Anjohibe Cave)	Madagascar		15° 32' 33" S 46° 53' 10" E	100 m

Antsironandoha Cave, west, 10 km NW Mashamasina, (see also: Grotte d'Antsironandoha, Ouest de, Mashamasina, 10 km NW)	Madagascar	12° 53' 20" S 49° 05' 51" E	100 m
Bacita (see also: Basita)	Nigeria	9° 05' 00" N 4° 57' 00" E	100 m
Basita (see Bacita)	Nigeria	9° 05' 00" N 4° 57' 00" E	100 m
Boussoura, 32 km SW Koundara (see also: Koundara, 32 km SW)	Guinea	12° 17' 00" N 13° 03' 00" W	100 m
Committees Drift	South Africa	33° 09' 30" S 26° 49' 25" E	100 m
Compagnies Drif, 10 mi inland Lamberts Bay (see also: Compagnies Drift, Compagniesdrift Farm, Farm Compagniesdrift, Lamberts Bay, 10 mi [=16 km] inland, Lambert's Bay, 4 km S, 14 km E)	South Africa	32° 07' 00" S 18° 27' 00" E	100 m
Compagnies Drift (see Compagnies Drif), 10 mi inland Lamberts Bay	South Africa	32° 08' 00" S 18° 27' 00" E	100 m
Compagniesdrift Farm (see Compagnies Drif)	South Africa	32° 07' 00" S 18° 27' 00" E	100 m
Eggi, 4 km S (see Eji, 4 km S), N of Mahaddei	Somalia	3° 11' 00" N 45° 32' 00" E	100 m
Eji, 4 km S, N of Mahaddei (see also: Eggi, 4 km S)	Somalia	3° 11' 00" N 45° 32' 00" E	100 m
Farm Compagniesdrift (see Compagnies Drif)	South Africa	32° 07' 00" S 18° 27' 00" E	100 m
Forêt d'Ampirojoa (see also: Ampirojoa forest)	Madagascar	16° 18' 54" S 46° 48' 36" E	100 m
Giohar (see Jawhar)	Somalia	2° 46' 00" N 45° 31' 00" E	100 m
Grotte d'Anjohibe (see Anjohibe Cave), 3.7 km NE Antanamarina	Madagascar	15° 32' 33" S 46° 53' 10" E	100 m
Grotte d'Antsironandoha, Ouest de (see Antsironandoha Cave, west), 10 km NW Mashamasina,	Madagascar	12° 53' 20" S 49° 05' 51" E	100 m
Grottes d'Andranoboka (see Anjohibe Cave), NCC-1 deposit	Madagascar	15° 32' 33" S 46° 53' 10" E	100 m
Grottes d'Androhibe (see Anjohibe Cave), NCC-1 deposit	Madagascar	15° 32' 33" S 46° 53' 10" E	100 m
Grottes d'Anjohibe (see Anjohibe Cave), NCC-1 deposit	Madagascar	15° 32' 33" S 46° 53' 10" E	100 m
Herbertsdale	South Africa	34° 01' 00" S 21° 45' 00" E	100 m
Het Kruis	South Africa	32° 36' 00" S 18° 45' 00" E	100 m
Jawhar (see also: Giohar, Johar, Joher, Joowhar, Jowhar, Villa del dottore Abruzzi, Villa Duca Abruzzi, Villaggio Duca Abruzzi, Villaggio Duca degli Abruzzi)	Somalia	2° 46' 00" N 45° 31' 00" E	100 m
Johar (see Jawhar)	Somalia	2° 46' 00" N 45° 31' 00" E	100 m
Joher (see Jawhar)	Somalia	2° 46' 00" N 45° 31' 00" E	100 m
Joowhar (see Jawhar)	Somalia	2° 46' 00" N 45° 31' 00" E	100 m
Jowhar (see Jawhar)	Somalia	2° 46' 00" N 45° 31' 00" E	100 m
Koundara, 32 km SW (see Boussoura)	Guinea	12° 17' 00" N 13° 03' 00" W	100 m
Lamberts Bay, 10 mi [=16 km] inland (see Compagnies Drif)	South Africa	32° 08' 00" S 18° 27' 00" E	100 m
Lambert's Bay, 4 km S, 14 km E (see Compagnies Drif)	South Africa	32° 07' 00" S 18° 27' 00" E	100 m
Mashamasina, 10 km NW (see Antsironandoha Cave, west)	Madagascar	12° 53' 20" S 49° 05' 51" E	100 m
Muona Mission	Malawi	16° 25' 00" S 35° 10' 00" E	100 m
Mwanihana Forest, Uuzungwa Mountains (see also: Mwanihana Forest Reserve)	Tanzania	7° 50' 00" S 36° 50' 00" E	100 m
Mwanihana Forest Reserve (see Mwanihana Forest), Uuzungwa Mountains	Tanzania	7° 50' 00" S 36° 50' 00" E	100 m
Redelinghuys, 20.0 km N, 3 km E (see Sandberg)	South Africa	32° 17' 00" S 18° 35' 00" E	100 m
Sandberg, 20.0 km N, 3 km E Redelinghuys (see also: Redelinghuys, 20.0 km N, 3 km E)	South Africa	32° 17' 00" S 18° 35' 00" E	100 m
Siribihina river	Madagascar	19° 00' 00" S 46° 00' 00" E	100 m
St. Lucia Forest Station	South Africa	28° 21' 00" S 32° 24' 00" E	100 m
Tsinjomitondraka (see Anjohibe Cave), NCC-1 deposit	Madagascar	15° 32' 33" S 46° 53' 10" E	100 m
Usutu Floodsplain	South Africa	26° 53' 00" S 32° 20' 00" E	100 m
Villa del dottore Abruzzi (see Jawhar)	Somalia	2° 46' 00" N 45° 31' 00" E	100 m
Villa Duca Abruzzi (see Jawhar)	Somalia	2° 46' 00" N 45° 31' 00" E	100 m
Villaggio Duca Abruzzi (see Jawhar)	Somalia	2° 46' 00" N 45° 31' 00" E	100 m
Villaggio Duca degli Abruzzi (see Jawhar)	Somalia	2° 46' 00" N 45° 31' 00" E	100 m

101 - 200 m:

Suehn	Liberia	6° 37' 02" N 10° 42' 24" W	101 m
Glenashley	South Africa	29° 45' 39" S 31° 03' 04" E	103 m
Makurdi (see also: Makurdu)	Nigeria	7° 44' 28" N 8° 30' 44" E	103 m
Makurdu (see Makurdi)	Nigeria	7° 44' 28" N 8° 30' 44" E	103 m
Mantuma Camp, 15 km E Mkuzi village	South Africa	27° 35' 46" S 32° 13' 03" E	103 m

Nko (see also: N'ko)	Nigeria	6° 00' 59" N 8° 08' 30" E	103 m
N'ko (see Nko)	Nigeria	6° 00' 59" N 8° 08' 30" E	103 m
Oumache (see also: Oumash, Umasch, Umash)	Algeria	34° 42' 00" N 5° 41' 00" E	103 m
Oumash (see Oumache)	Algeria	34° 42' 00" N 5° 41' 00" E	103 m
Umasch (see Oumache)	Algeria	34° 42' 00" N 5° 41' 00" E	103 m
Umash (see Oumache)	Algeria	34° 42' 00" N 5° 41' 00" E	103 m
Al Rashda (see Ar Rashidah)	Egypt	25° 34' 57" N 28° 56' 28" E	104 m
Ar Rashidah (see also: Al Rashda, El Rashda, Er Rashda, Rashida)	Egypt	25° 34' 57" N 28° 56' 28" E	104 m
Ciudad de Riaba (see also: Concepcion, La Concepcion, La Conception, Riaba)	Equatorial Guinea	3° 22' 58" N 8° 45' 44" E	104 m
Concepcion (see Ciudad de Riaba)	Equatorial Guinea	3° 22' 58" N 8° 45' 44" E	104 m
El Rashda (see Ar Rashidah)	Egypt	25° 34' 57" N 28° 56' 28" E	104 m
Er Rashda (see Ar Rashidah)	Egypt	25° 34' 57" N 28° 56' 28" E	104 m
La Concepcion (see Ciudad de Riaba)	Equatorial Guinea	3° 22' 58" N 8° 45' 44" E	104 m
La Conception (see Ciudad de Riaba)	Equatorial Guinea	3° 22' 58" N 8° 45' 44" E	104 m
Rashida (see Ar Rashidah)	Egypt	25° 34' 57" N 28° 56' 28" E	104 m
Riaba (see Ciudad de Riaba)	Equatorial Guinea	3° 22' 58" N 8° 45' 44" E	104 m
Darling, 2.0 km S, 5.1 km W (see Farm Doorn Fontein 574)	South Africa	33° 23' 40" S 18° 19' 36" E	105 m
Doorn Fontein, Farm 574 (see Farm Doorn Fontein 574)	South Africa	33° 23' 40" S 18° 19' 36" E	105 m
Farm 574 (Doorn Fontein) (see Farm Doorn Fontein 574)	South Africa	33° 23' 40" S 18° 19' 36" E	105 m
Farm Doorn Fontein 574, 2.0 km S, 5.1 km W Darling (see also: Darling, 2.0 km S, 5.1 km W, Doorn Fontein, Farm 574, Farm 574 (Doorn Fontein))	South Africa	33° 23' 40" S 18° 19' 36" E	105 m
Foret de Sahafina, Brickaville, 9.5 km W	Madagascar	18° 48' 27" S 48° 58' 55" E	105 m
Tététou (see also: Tetetou)	Togo	7° 01' 00" N 1° 30' 00" E	105 m
Tetetou (see Tététou)	Togo	7° 01' 00" N 1° 30' 00" E	105 m
Ciudad de Ela Nguema, near Malabo (see also: Ela Nguema, Ela Nguena, Elan - Guema, Elanguena, San Fernando)	Equatorial Guinea	3° 45' 00" N 8° 47' 00" E	107 m
Ela Nguema (see Ciudad de Ela Nguema)	Equatorial Guinea	3° 45' 00" N 8° 47' 00" E	107 m
Ela Nguena (see Ciudad de Ela Nguema)	Equatorial Guinea	3° 45' 00" N 8° 47' 00" E	107 m
Elan - Guema (see Ciudad de Ela Nguema)	Equatorial Guinea	3° 45' 00" N 8° 47' 00" E	107 m
Elanguena (see Ciudad de Ela Nguema)	Equatorial Guinea	3° 45' 00" N 8° 47' 00" E	107 m
Malabo, Basilé, San Fernando cave	Equatorial Guinea	3° 45' 00" N 8° 47' 00" E	107 m
Newton Park, Port Elizabeth	South Africa	33° 57' 00" S 25° 34' 00" E	107 m
San Fernando (see Ciudad de Ela Nguema)	Equatorial Guinea	3° 45' 00" N 8° 47' 00" E	107 m
Chamle, primary school	Comoro Islands	11° 26' 41" S 43° 16' 01" E	108 m
Ebarak (see Ebarakh)	Senegal	12° 37' 59" N 12° 52' 22" W	108 m
Ebarakh (see also: Ebarak)	Senegal	12° 37' 59" N 12° 52' 22" W	108 m
University Campus, Chemistry Dept.	South Africa	29° 52' 03" S 30° 58' 40" E	108 m
Agaete	Canary Islands (Spain)	28° 07' 00" N 15° 42' 00" W	109 m
Bota	Cameroon	4° 01' 43" N 9° 11' 15" E	109 m
Dakhla Oasis, 6 km N Mut (see also: Mut, 6 km N, Nû, 6 km N)	Egypt	25° 29' 00" N 28° 59' 00" E	109 m
Kawn Ombo (see Kawn Umbu)	Egypt	24° 28' 45" N 32° 56' 37" E	109 m
Kawn Umbu (see also: Kawn Ombo, Kôm Ombo, Kum Ombu, Omboi, Ombos, Umbu)	Egypt	24° 28' 45" N 32° 56' 37" E	109 m
Kôm Ombo (see Kawn Umbu)	Egypt	24° 28' 45" N 32° 56' 37" E	109 m
Kum Ombu (see Kawn Umbu)	Egypt	24° 28' 45" N 32° 56' 37" E	109 m
Mut, 6 km N (see Dakhla Oasis)	Egypt	25° 29' 00" N 28° 59' 00" E	109 m
Nû, 6 km N (see Dakhla Oasis)	Egypt	25° 29' 00" N 28° 59' 00" E	109 m
Omboi (see Kawn Umbu)	Egypt	24° 28' 45" N 32° 56' 37" E	109 m
Ombos (see Kawn Umbu)	Egypt	24° 28' 45" N 32° 56' 37" E	109 m
Umbu (see Kawn Umbu)	Egypt	24° 28' 45" N 32° 56' 37" E	109 m
Amdroimpano cave (see Grotte d'Amdroimpano)	Madagascar	24° 39' 01" S 43° 57' 48" E	110 m
Doussala, 12.2 km NW (see Moukalaba Reserve)	Gabon	2° 17' 00" S 10° 29' 50" E	110 m
Grotte d'Androimpano	Madagascar	24° 39' 01" S 43° 57' 48" E	110 m
Grotte d'Amdroimpano, 4.2 km NE Itampolo (village), on road to Ejeda (see also: Amdroimpano cave, Itampolo, 4.2 km NE, on old road to Ejeda)	Madagascar	24° 39' 01" S 43° 57' 48" E	110 m
Grotte de Marondavenoka (see Marondavenoka, cave), 9.4 km N Tolagnaro, near the village of Enato	Madagascar	24° 53' 26" S 46° 59' 14" E	110 m
Itampolo, 4.2 km NE, on old road to Ejeda (see Grotte d'Amdroimpano)	Madagascar	24° 39' 01" S 43° 57' 48" E	110 m
Manga Forest Reserve	Tanzania	5° 01' 00" S 38° 46' 00" E	110 m

Marondavenoka, cave, 9.4 km N Tolagnaro, near the village of Enato (see also: Grotte de Marondavenoka, Tolagnaro, 9.4 km N)	Madagascar		24° 53' 26" S 46° 59' 14" E	110 m
Moukalaba Reserve, 12.2 km NW Doussala (see also: Doussala, 12.2 km NW, Réserve de la Moukalaba)	Gabon		2° 17' 00" S 10° 29' 50" E	110 m
Oran (see also: Ouahran, Wahran)	Algeria		35° 41' 00" N 0° 39' 00" W	110 m
Ouahran (see Oran)	Algeria		35° 41' 00" N 0° 39' 00" W	110 m
Réserve de la Moukalaba (see Moukalaba Reserve), 12.2 km NW Doussala	Gabon		2° 17' 00" S 10° 29' 50" E	110 m
Richthoven	Namibia		22° 38' 00" S 14° 44' 00" E	110 m
Sept Lacs	Madagascar		23° 31' 15" S 44° 08' 35" E	ca. 110 m
Somkele	South Africa		28° 19' 00" S 32° 06' 00" E	110 m
Tolagnaro, 9.4 km N (see Marondavenoka, cave), near the village of Enato	Madagascar		24° 53' 26" S 46° 59' 14" E	110 m
Wahran (see Oran)	Algeria		35° 41' 00" N 0° 39' 00" W	110 m
Pran (see Prang)	Ghana		7° 59' 00" N 0° 53' 00" W	111 m
Prang (see also: Pran)	Ghana		7° 59' 00" N 0° 53' 00" W	111 m
Anjajavy (see also: Jajavy)	Madagascar		15° 02' 00" S 47° 14' 00" E	112 m
Basapu (see Basupú)	Equatorial Guinea		3° 43' 00" N 8° 41' 04" E	112 m
Basupú, km 10 on Malabo - Luba road (see also: Basapu, Basupú del Oeste, Malabo to Luba road, km 10)	Equatorial Guinea		3° 43' 00" N 8° 41' 04" E	112 m
Basupú del Oeste (see Basupú)	Equatorial Guinea		3° 43' 00" N 8° 41' 04" E	112 m
Jajavy (see Anjajavy)	Madagascar		15° 02' 00" S 47° 14' 00" E	112 m
Kétou (see also: Ketu)	Benin		7° 22' 00" N 2° 36' 00" E	112 m
Ketu (see Kétou)	Benin		7° 22' 00" N 2° 36' 00" E	112 m
Malabo to Luba road, km 10 (see Basupú)	Equatorial Guinea		3° 43' 00" N 8° 41' 04" E	112 m
Moamba	Mozambique		25° 35' 46" S 32° 14' 36" E	112 m
Moukonyé (see Mukonje)	Cameroon		4° 35' 02" N 9° 30' 18" E	113 m
Mukonje, 5 mi [=8 km] SE Kumba (see also: Kumba, 5 mi [=8 km] SE, Moukonyé, Mukonye)	Cameroon		4° 35' 02" N 9° 30' 18" E	113 m
Mukonye (see Mukonje)	Cameroon		4° 35' 02" N 9° 30' 18" E	113 m
Ushindo (see Ushingo)	Kenya		2° 46' 00" S 39° 40' 00" E	113 m
Ushingo (see also: Ushindo)	Kenya		2° 46' 00" S 39° 40' 00" E	113 m
"Onmeetbare" cave (see Bredasdorp)	South Africa		34° 32' 00" S 20° 02' 00" E	114 m
Bredasdorp (see also: "Onmeetbare" cave)	South Africa		34° 32' 00" S 20° 02' 00" E	114 m
Grotte de Samsa (see Semsa cave)	Morocco		35° 35' 24" N 5° 24' 00" W	114 m
Saint-Gilles (see Saint-Gilles-les Bains)	Réunion		21° 02' 00" S 55° 14' 00" E	114 m
Saint-Gilles-les Bains (see also: Saint-Gilles)	Réunion		21° 02' 00" S 55° 14' 00" E	114 m
Samsa (see Semsa)	Morocco		35° 35' 24" N 5° 24' 00" W	114 m
Samsa cave (see Semsa cave)	Morocco		35° 35' 24" N 5° 24' 00" W	114 m
Semsa (see also: Samsa)	Morocco		35° 35' 24" N 5° 24' 00" W	114 m
Semsa cave (see also: Grotte de Samsa, Samsa cave)	Morocco		35° 35' 24" N 5° 24' 00" W	114 m
Anjohimbovonomby	Madagascar		16° 28' 09" S 45° 20' 53" E	115 m
Banapa	Equatorial Guinea		1° 05' 00" N 9° 42' 00" E	115 m
Hillary area, Durban	South Africa		29° 53' 00" S 30° 57' 00" E	115 m
Humbe (see also: Humbe Mutano, Mutano)	Angola		16° 41' 00" S 14° 54' 00" E	116 m
Humbe Mutano (see Humbe)	Angola		16° 41' 00" S 14° 54' 00" E	116 m
Mutano (see Humbe)	Angola		16° 41' 00" S 14° 54' 00" E	116 m
Dunkwa	Ghana		5° 58' 00" N 1° 47' 00" W	117 m
Yellow Wood Park (see also: Yellowwood Park)	South Africa	ca.	29° 54' 57" S 30° 56' 18" E	118 m
Yellowwood Park (see Yellow Wood Park)	South Africa	ca.	29° 54' 00" S 30° 55' 00" E	118 m
Ankavandra, near	Madagascar	ca.	18° 46' 00" S 45° 18' 00" E	119 m
Korosko (see Kurusku)	Egypt		24° 31' 00" N 33° 09' 00" E	119 m
Kurusku (see also: Korosko)	Egypt		24° 31' 00" N 33° 09' 00" E	119 m
Umtamvuna Gorge Nature Reserve	South Africa		30° 10' 27" S 30° 10' 13" E	119 m
Djama (see Djamaa)	Algeria		33° 32' 00" N 6° 00' 00" E	120 m
Djamaa (see also: Djama, Djemâa)	Algeria		33° 32' 00" N 6° 00' 00" E	120 m
Djemâa (see Djamaa)	Algeria		33° 32' 00" N 6° 00' 00" E	120 m
Silverglen Nature Reserve	South Africa		29° 55' 58" S 30° 52' 35" E	120 m

Vikindo [forest], Usaramo	Tanzania	6° 59' 00" S 39° 17' 00" E	120 m
Eljani (see Heljani)	Algeria	35° 42' 00" N 0° 37' 00" W	121 m
Heljani (see also: Eljani)	Algeria	35° 42' 00" N 0° 37' 00" W	121 m
Port Saint John's (see also: Port Saint Johns, Port St. Johns, Umzimbuvu)	South Africa	31° 38' 00" S 29° 32' 00" E	121 m
Port Saint Johns (see Port Saint John's)	South Africa	31° 38' 00" S 29° 32' 00" E	121 m
Port St. Johns (see Port Saint John's)	South Africa	31° 38' 00" S 29° 32' 00" E	121 m
Umzimbuvu (see Port Saint John's)	South Africa	31° 38' 00" S 29° 32' 00" E	121 m
Addo Elephant National Park (see Addo National Park)	South Africa	33° 30' 00" S 25° 45' 00" E	122 m
Addo Elephant Park (see Addo National Park)	South Africa	33° 30' 00" S 25° 45' 00" E	122 m
Addo National Park (see also: Addo Elephant National Park, Addo Elephant Park)	South Africa	33° 30' 00" S 25° 45' 00" E	122 m
J.G. Strijdomdam (see Pongolapoortdam), Pongola, Jozini	South Africa	27° 25' 00" S 31° 58' 00" E	122 m
Jozini Dam (see Pongolapoortdam), Pongola, Jozini	South Africa	27° 25' 00" S 31° 58' 00" E	122 m
Jozini reservoir (see Pongolapoortdam), Pongola, Jozini	South Africa	27° 25' 00" S 31° 58' 00" E	122 m
Jozini, lake (see Pongolapoortdam), Pongola, Jozini	South Africa	27° 25' 00" S 31° 58' 00" E	122 m
Mandisha (see Mandishah) (see also: Bakkari, Minshat al Bakkari, Minshât el-Bakkâri)	Egypt	28° 21' 00" N 28° 55' 00" E	122 m
Mandishah (see also: Mandisha)	Egypt	28° 21' 00" N 28° 55' 00" E	122 m
Oda (see also: Akim Oda, Insuaim, Nsuaem, Oda Secondary School)	Ghana	5° 55' 00" N 0° 59' 00" W	122 m
Oda Secondary School (see Oda)	Ghana	5° 55' 00" N 0° 59' 00" W	122 m
Pongola dam (see Pongolapoort Dam), Pongola, Jozini	South Africa	27° 25' 08" S 32° 04' 16" E	122 m
Pongolapoort Dam, Pongola, Jozini (see also: Pongola dam)	South Africa	27° 25' 08" S 32° 04' 16" E	122 m
Pongolapoortdam, Pongola, Jozini (see also: J.G. Strijdomdam, Jozini Dam, Jozini reservoir, Jozini, lake)	South Africa	27° 25' 00" S 31° 58' 00" E	122 m
Likomba, near Tiko	Cameroon	4° 05' 37" N 9° 19' 55" E	124 m
Mahajanga (see also: Majunga)	Madagascar	15° 43' 00" S 46° 19' 03" E	124 m
Majunga (see Mahajanga)	Madagascar	15° 43' 00" S 46° 19' 03" E	124 m
Santa Catanna (see Santa Catarina)	São Tomé and Principé	0° 16' 00" N 6° 29' 00" E	124 m
Santa Catarina, between Río Cantador and Río Lemba (see also: Santa Catanna)	São Tomé and Principé	0° 16' 00" N 6° 29' 00" E	124 m
Trindade	Cape Verde	14° 57' 00" N 23° 34' 00" W	124 m
Amalinda	South Africa	32° 59' 00" S 27° 51' 00" E	125 m
Antseranana (see Antsiranana)	Madagascar	12° 16' 00" S 49° 17' 00" E	125 m
Antsira?ana (see Antsiranana)	Madagascar	12° 16' 00" S 49° 17' 00" E	125 m
Antsirana (see Antsiranana)	Madagascar	12° 16' 00" S 49° 17' 00" E	125 m
Antsiranana (see also: Antseranana, Antsira?ana, Antsirana, Antsirane, Diego Soarez, Diégo-Suarez, Diégo-Suarez, near)	Madagascar	12° 16' 00" S 49° 17' 00" E	125 m
Antsirane (see Antsiranana)	Madagascar	12° 16' 00" S 49° 17' 00" E	125 m
Aurora, 8.0 km N, 3.0 km W (see Farm Rietfontein)	South Africa	32° 38' 00" S 18° 28' 00" E	125 m
Azagny National Park (see also: Parc National d'Azagny)	Côte d'Ivoire	6° 13' 07" N 5° 15' 32" W	125 m
Diego Soarez (see Antsiranana)	Madagascar	12° 16' 00" S 49° 17' 00" E	125 m
Diégo-Suarez (see Antsiranana)	Madagascar	12° 16' 00" S 49° 17' 00" E	125 m
Farm Rietfontein, 8.0 km N, 3.0 km W Aurora (see also: Aurora, 8.0 km N, 3.0 km W, Rietfontein, Farm)	South Africa	32° 38' 00" S 18° 28' 00" E	125 m
Grottes de Saint-Augustin (see Saint-Augustin caves)	Madagascar	23° 33' 00" S 43° 46' 00" E	125 m
Ianantsony, 17 mi [=27 km] S Tulear (see also: Saint-Augustin)	Madagascar	23° 33' 00" S 43° 46' 00" E	125 m
Kianjavato, 4 km E (by road)	Madagascar	21° 22' 59" S 47° 54' 00" E	125 m
Parc National d'Azagny (see Azagny National Park)	Côte d'Ivoire	6° 13' 07" N 5° 15' 32" W	125 m
Port Louis (see also: Port Louis Town)	Mauritius	20° 09' 43" S 57° 29' 56" E	125 m
Port Louis Town (see Port Louis)	Mauritius	20° 09' 43" S 57° 29' 56" E	125 m
Rietfontein, Farm (see Farm Rietfontein)	South Africa	32° 38' 00" S 18° 28' 00" E	125 m
Saint-Augustin (see Ianantsony)	Madagascar	23° 33' 00" S 43° 46' 00" E	125 m
Saint-Augustin caves (see also: Grottes de Saint-Augustin)	Madagascar	23° 33' 00" S 43° 46' 00" E	125 m
Sainte Augustin (see Rogez, near)	Madagascar	23° 33' 00" S 43° 46' 00" E	125 m
Tulear, 17 mi [=27 km] S (see Rogez, near)	Madagascar	23° 33' 00" S 43° 46' 00" E	125 m
Bulo Bérde (see Buulobarde)	Somalia	3° 51' 00" N 45° 34' 00" E	126 m

Bulo Burti (see Buulobarde)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
Buulo (see Buulobarde)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
Buulo Berde (see Buulobarde)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
Buulo Burte (see Buulobarde)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
Buulobarde (see also: Bulo Bérde, Bulo Burti, Buulo, Buulo Berde, Buulo Burte)	Somalia		3° 51' 00" N 45° 34' 00" E	126 m
N'Gari, near Kedougou (see also: Ngari)	Senegal	ca.	12° 38' 06" N 12° 14' 52" W	126 m
Ngari (see N'Gari), near Kedougou	Senegal	ca.	12° 38' 06" N 12° 14' 52" W	126 m
Padori	Togo		10° 14' 00" N 0° 26' 00" E	126 m
Kade Agricultural Research Station	Ghana		6° 05' 00" N 0° 50' 00" W	127 m
Kade Agricultural Research Station, SE	Ghana		6° 05' 00" N 0° 50' 00" W	127 m
Ogoja	Nigeria		6° 39' 17" N 8° 47' 51" E	127 m
Kalina	Congo (Democratic Republic of the)		4° 22' 00" S 15° 17' 00" E	128 m
Mucoso, near Dondo	Angola		9° 40' 00" S 14° 23' 00" E	130 m
Likawage, Kilwa	Tanzania		9° 13' 00" S 39° 00' 00" E	132 m
Niébé (see also: Niebe)	Côte d'Ivoire		5° 22' 00" N 7° 18' 00" W	132 m
Niebe (see Niébé)	Côte d'Ivoire		5° 22' 00" N 7° 18' 00" W	132 m
Maevatanana (see also: Maevetanana, Mavatanana, Mevatanana)	Madagascar		16° 57' 00" S 46° 50' 00" E	133 m
Maevetanana (see Maevatanana)	Madagascar		16° 57' 00" S 46° 50' 00" E	133 m
Mavatanana (see Maevatanana)	Madagascar		16° 57' 00" S 46° 50' 00" E	133 m
Mevatanana (see Maevatanana)	Madagascar		16° 57' 00" S 46° 50' 00" E	133 m
Ossidinge (see Mamfe)	Cameroon		5° 47' 00" N 9° 18' 00" E	133 m
Ossidingi (see Mamfe)	Cameroon		5° 47' 00" N 9° 18' 00" E	133 m
Bendu	Liberia		6° 45' 47" N 11° 12' 48" W	134 m
Dondo (see Ndondo)	Angola		9° 40' 00" S 14° 30' 00" E	134 m
Jaurazon (see Juazohn)	Liberia		5° 22' 56" N 8° 50' 44" W	134 m
Jaurzon (see Juazohn)	Liberia		5° 22' 56" N 8° 50' 44" W	134 m
Juarzon (see Juazohn)	Liberia		5° 22' 56" N 8° 50' 44" W	134 m
Juazohn (see also: Jaurazon, Jaurzon, Juarzon)	Liberia		5° 22' 56" N 8° 50' 44" W	134 m
Mango (see Sansanné-Mango)	Togo		10° 21' 33" N 0° 28' 15" E	134 m
Ndondo (see also: Dondo)	Angola		9° 40' 00" S 14° 30' 00" E	134 m
Nsara (see Sansanné-Mango)	Togo		10° 21' 33" N 0° 28' 15" E	134 m
N'Zara (see Sansanné-Mango)	Togo		10° 21' 33" N 0° 28' 15" E	134 m
Sansane-Mangu (see Sansanné-Mango)	Togo		10° 21' 33" N 0° 28' 15" E	134 m
Sansanné-Mango (see also: Mango, Nsara, N'Zara, Sansane-Mangu)	Togo		10° 21' 33" N 0° 28' 15" E	134 m
Ambovombe	Madagascar		25° 10' 00" S 46° 05' 00" E	135 m
Hainda (see Haindi)	Liberia		6° 53' 28" N 10° 23' 12" W	135 m
Haindi (see also: Hainda, Hende, Hendi)	Liberia		6° 53' 28" N 10° 23' 12" W	135 m
Hende (see Haindi)	Liberia		6° 53' 28" N 10° 23' 12" W	135 m
Hendi (see Haindi)	Liberia		6° 53' 28" N 10° 23' 12" W	135 m
Cassoalaba (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Cassoalala (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Cassoalalla (see also: Cassoalaba, Cassoalala, Cassoalalla, Cassualala, Kassualala, Kateba)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Cassoalalla (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Cassualala (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Kassualala (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Kateba (see Cassoalalla)	Angola		9° 29' 00" S 14° 21' 00" E	136 m
Limbe, near Victoria (see also: Victoria)	Cameroon		4° 00' 46" N 9° 13' 13" E	136 m
Victoria (see Limbe) (see also: CDC Rest House)	Cameroon		4° 00' 46" N 9° 13' 13" E	136 m
Adzopé (see also: Adzope)	Côte d'Ivoire		6° 06' 25" N 3° 51' 43" W	137 m
Adzope (see Adzopé)	Côte d'Ivoire		6° 06' 25" N 3° 51' 43" W	137 m
Komatipoort, 62 km SE Skukuza (see also: Skukuza, 62 km SE)	South Africa		25° 26' 00" S 31° 56' 00" E	137 m
Naboggo (see Nabogo)	Ghana		9° 44' 25" N 0° 49' 29" W	137 m
Nabogo (see also: Naboggo, Nabugge, Nabuggo)	Ghana		9° 44' 25" N 0° 49' 29" W	137 m
Nabugge (see Nabogo)	Ghana		9° 44' 25" N 0° 49' 29" W	137 m
Nabuggo (see Nabogo)	Ghana		9° 44' 25" N 0° 49' 29" W	137 m
Nsanakang (see also: Nsankang, Nsannakang)	Cameroon		5° 53' 00" N 8° 59' 00" E	137 m

Nsankang (see Nsanakang)	Cameroon	5° 53' 00" N 8° 59' 00" E	137 m
Nsannakang (see Nsanakang)	Cameroon	5° 53' 00" N 8° 59' 00" E	137 m
Skukuza, 62 km SE (see Komatipoort)	South Africa	25° 26' 00" S 31° 56' 00" E	137 m
Adamso	Ghana	6° 04' 00" N 1° 47' 00" W	139 m
Kudu	Nigeria	9° 16' 00" N 5° 21' 00" E	139 m
Man O'War Bay, near Victoria	Cameroon	3° 57' 30" N 9° 13' 00" E	139 m
Saubre (see Soubré)	Côte d'Ivoire	5° 46' 55" N 6° 36' 25" W	140 m
Soubré (see also: Saubre)	Côte d'Ivoire	5° 46' 55" N 6° 36' 25" W	140 m
Tete, on the Zambezi River (see also: Vila-de-Santiago-Maior)	Mozambique	16° 09' 23" S 33° 35' 12" E	140 m
Vila-de-Santiago-Maior (see Tete), on the Zambezi River	Mozambique	16° 09' 23" S 33° 35' 12" E	140 m
Akjoujt (see also: Akjout, Fort Repoux, Magrein Copper Mine)	Mauritania	19° 45' 00" N 14° 23' 00" W	141 m
Akjout (see Akjoujt)	Mauritania	19° 45' 00" N 14° 23' 00" W	141 m
Fort Repoux (see Akjoujt)	Mauritania	19° 45' 00" N 14° 23' 00" W	141 m
Magrein Copper Mine (see Akjoujt)	Mauritania	19° 45' 00" N 14° 23' 00" W	141 m
Sakbayémé, on Sanaga River (see also: Song-Sag, Zakbayeme)	Cameroon	4° 02' 00" N 10° 34' 00" E	141 m
Song-Sag (see Sakbayémé), on Sanaga River	Cameroon	4° 02' 00" N 10° 34' 00" E	141 m
Westridge	South Africa	29° 51' 25" S 30° 58' 44" E	141 m
Zakbayeme (see Sakbayémé), on Sanaga River	Cameroon	4° 02' 00" N 10° 34' 00" E	141 m
Patensie (see also: Patentie)	South Africa	33° 45' 20" S 24° 49' 06" E	142 m
Patentie (see Patensie)	South Africa	33° 45' 20" S 24° 49' 06" E	142 m
University of KwaZulu Natal, Cato Manor	South Africa	29° 51' 47" S 30° 58' 09" E	143 m
Panda	Mozambique	24° 03' 48" S 34° 43' 49" E	144 m
Repota (see Wreputa)	Liberia	6° 46' 00" N 10° 03' 00" W	144 m
Reppo Town (see Wreputa)	Liberia	6° 46' 00" N 10° 03' 00" W	144 m
Reppo's Town (see Wreputa)	Liberia	6° 46' 00" N 10° 03' 00" W	144 m
Reputa (see Wreputa)	Liberia	6° 46' 00" N 10° 03' 00" W	144 m
Tahiré, foot Keleisi Plateau (see also: Taïré)	Guinea	9° 51' 00" N 12° 47' 00" W	144 m
Taïré (see Tahiré), foot Keleisi Plateau	Guinea	9° 51' 00" N 12° 47' 00" W	144 m
Wreputa (see also: Repota, Reppo Town, Reppo's Town, Reputa)	Liberia	6° 46' 00" N 10° 03' 00" W	144 m
Busunu, 30 - 33 mi from Damongo	Ghana	9° 09' 00" N 1° 30' 00" W	145 m
Kwamouth	Congo (Democratic Republic of the)	3° 10' 00" S 16° 12' 00" E	146 m
Notsé (see also: Nouatja, Nuatia, Nuatja, Nuatya)	Togo	6° 57' 00" N 1° 10' 00" E	146 m
Nouatja (see Notsé)	Togo	6° 57' 00" N 1° 10' 00" E	146 m
Nuatia (see Notsé)	Togo	6° 57' 00" N 1° 10' 00" E	146 m
Nuatja (see Notsé)	Togo	6° 57' 00" N 1° 10' 00" E	146 m
Nuatya (see Notsé)	Togo	6° 57' 00" N 1° 10' 00" E	146 m
Paio (see Payo)	Togo	10° 14' 00" N 0° 43' 00" E	146 m
Payo (see also: Paio, Péio)	Togo	10° 14' 00" N 0° 43' 00" E	146 m
Péio (see Payo)	Togo	10° 14' 00" N 0° 43' 00" E	146 m
Pong-Tamale (see also: Pung, Pung Tamale, Tamale)	Ghana	9° 41' 06" N 0° 49' 57" W	146 m
Pung (see Pong-Tamale)	Ghana	9° 41' 06" N 0° 49' 57" W	146 m
Pung Tamale (see Pong-Tamale)	Ghana	9° 41' 06" N 0° 49' 57" W	146 m
Tamale (see Pong-Tamale)	Ghana	9° 41' 06" N 0° 49' 57" W	146 m
Anum-Asikuma, 1 mi [=1.6 km] N (see Asikuma, 1 mi [=1.6 km] N)	Ghana	6° 25' 00" N 0° 10' 00" E	147 m
Asikuma, 1 mi [=1.6 km] N (see also: Anum-Asikuma, 1 mi [=1.6 km] N)	Ghana	6° 25' 00" N 0° 10' 00" E	147 m
Bergou (see Borgou)	Togo	10° 45' 49" N 0° 34' 37" E	147 m
Borgou (see also: Bergou, Borgu)	Togo	10° 45' 49" N 0° 34' 37" E	147 m
Borgu (see Borgou)	Togo	10° 45' 49" N 0° 34' 37" E	147 m
Kolokopé (see also: Korrekope)	Togo	7° 48' 00" N 1° 18' 00" E	147 m
Korrekope (see Kolokopé)	Togo	7° 48' 00" N 1° 18' 00" E	147 m
Sainte Marie	Madagascar	16° 08' 00" S 46° 58' 00" E	147 m
Adawaso (see Adawso)	Ghana	5° 57' 00" N 0° 13' 00" W	148 m
Adawso (see also: Adawaso, Adowso)	Ghana	5° 57' 00" N 0° 13' 00" W	148 m
Adowso (see Adawso)	Ghana	5° 57' 00" N 0° 13' 00" W	148 m
Ambanja	Madagascar	13° 41' 00" S 48° 27' 00" E	148 m
Boudougou (see Divo)	Côte d'Ivoire	5° 50' 15" N 5° 21' 26" W	148 m
Craigieburn [Farmstead], Umkomaas, near	South Africa	29° 54' 00" S 30° 39' 00" E	ca. 148 m

Divo	Côte d'Ivoire	5° 50' 15" N 5° 21' 26" W	148 m
(see also: Boudougou)			
Igbo-Awra (see Igbo-Ora)	Nigeria	7° 26' 00" N 3° 17' 00" E	148 m
Kolenté	Guinea	10° 06' 00" N 12° 37' 00" W	148 m
(see also: La Kolenté, Yogorania, Yogoronia)			
La Kolenté (see Kolenté)	Guinea	10° 06' 00" N 12° 37' 00" W	148 m
Rooibank, near Sandwich Bay	Namibia	23° 11' 00" S 14° 39' 00" E	148 m
Saati	Eritrea	15° 36' 00" N 39° 15' 00" E	148 m
Yogorania (see Kolenté)	Guinea	10° 06' 00" N 12° 37' 00" W	148 m
Yogoronia (see Kolenté)	Guinea	10° 06' 00" N 12° 37' 00" W	148 m
Baoulé	Togo	10° 16' 00" N 0° 35' 00" E	149 m
Ouargla	Algeria	31° 57' 27" N 5° 19' 40" E	149 m
Zungeru	Nigeria	9° 48' 46" N 6° 09' 21" E	149 m
FOFIFA Station, Kianjavato	Madagascar	21° 22' 00" S 47° 51' 36" E	150 m
Kianjavato	Madagascar	21° 22' 00" S 47° 51' 36" E	150 m
Kianjavato, 9 km ESE (see Vatovavy)	Madagascar	21° 24' 00" S 47° 57' 00" E	150 m
Kwamgumi Forest Reserve, East Usambara mountains	Tanzania	4° 56' 00" S 38° 45' 00" E	150 m
(see also: Kwamguni Forest Reserve, Kwamtili Forest Reserve)			
Kwamguni Forest Reserve (see Kwamgumi Forest Reserve)	Tanzania	4° 56' 00" S 38° 45' 00" E	150 m
Kwamtili Forest Reserve (see Kwamgumi Forest Reserve)	Tanzania	4° 56' 00" S 38° 45' 00" E	150 m
Ogbunike, near Onitscha	Nigeria	6° 10' 00" N 6° 54' 00" E	150 m
Sidi Okba, 17 km SE Biskra	Algeria	34° 45' 00" N 5° 54' 00" E	150 m
(see also: Biskra, 17 km SE)			
Vatovavy, 9 km ESE Kianjavato	Madagascar	21° 24' 00" S 47° 57' 00" E	150 m
(see also: Kianjavato, 9 km ESE)			
Gabi (see Kpandu)	Ghana	7° 00' 00" N 0° 18' 00" E	151 m
Garissa	Kenya	0° 27' 25" S 39° 39' 30" E	151 m
Idere	Nigeria	7° 29' 00" N 3° 15' 00" E	151 m
Kadjamba (see Katchamba)	Togo	9° 53' 15" N 0° 31' 33" E	151 m
Kadjambe (see Katchamba)	Togo	9° 53' 15" N 0° 31' 33" E	151 m
Kadyamba (see Katchamba)	Togo	9° 53' 15" N 0° 31' 33" E	151 m
Kajamba (see Katchamba)	Togo	9° 53' 15" N 0° 31' 33" E	151 m
Katchamba	Togo	9° 53' 15" N 0° 31' 33" E	151 m
(see also: Kadjamba, Kadjambe, Kadyamba, Kajamba, Katchammba)			
Katchammba (see Katchamba)	Togo	9° 53' 15" N 0° 31' 33" E	151 m
Kokofu	Ghana	7° 43' 00" N 0° 53' 00" W	151 m
(see also: Kokofu Dente)			
Kokofu Dente (see Kokofu)	Ghana	7° 43' 00" N 0° 53' 00" W	151 m
Kpando	Ghana	7° 00' 00" N 0° 18' 00" E	151 m
Kpandu	Ghana	7° 00' 00" N 0° 18' 00" E	151 m
(see also: Gabi, Kpaudu, Tsakpe)			
Kpaudu (see Kpandu)	Ghana	7° 00' 00" N 0° 18' 00" E	151 m
Mabetta (see Maneta), 5 km E Victoria	Cameroon	4° 01' 20" N 9° 17' 08" E	151 m
Miandrivazo	Madagascar	19° 31' 00" S 45° 28' 00" E	151 m
Moudjéria (fortress)	Mauritania	17° 52' 25" N 12° 19' 54" W	151 m
N'Gabi	Congo	3° 12' 53" S 16° 10' 25" E	151 m
Porga	Benin	11° 02' 56" N 0° 58' 21" E	151 m
Senneville	Mauritius	20° 30' 04" S 57° 33' 00" E	151 m
Soga	Tanzania	6° 50' 00" S 38° 52' 00" E	151 m
Tsakpe (see Kpandu)	Ghana	7° 00' 00" N 0° 18' 00" E	151 m
Umuahia, Umdike	Nigeria	5° 32' 00" N 7° 29' 00" E	151 m
(see also: Umuahia Ibeku)			
Umuahia Ibeku (see Umuahia), Umdike	Nigeria	5° 32' 00" N 7° 29' 00" E	151 m
Yabrasso	Côte d'Ivoire	7° 26' 00" N 3° 29' 00" W	151 m
Akomo (see Akwamu)	Ghana	6° 17' 00" N 0° 05' 00" E	152 m
Akwamu	Ghana	6° 17' 00" N 0° 05' 00" E	152 m
(see also: Akomo, Akwamufe, Akwamufie)			
Akwamufe (see Akwamu)	Ghana	6° 17' 00" N 0° 05' 00" E	152 m
Akwamufie (see Akwamu)	Ghana	6° 17' 00" N 0° 05' 00" E	152 m
Ceelbuur	Somalia	4° 41' 00" N 46° 37' 00" E	152 m
(see also: El-Bur)			
Clanwilliam, 18 mi [=29 km] NE (see Traveller's Rest;)	South Africa	32° 04' 00" S 19° 05' 00" E	152 m
Dhio (see Diho)	Benin	8° 05' 00" N 2° 31' 00" E	152 m
Diho	Benin	8° 05' 00" N 2° 31' 00" E	152 m
(see also: Dhio)			
Edubiase, 15 mi [=24 km] S (see New Edubiase)	Ghana	6° 04' 00" N 1° 24' 00" W	152 m
El-Bur (see Ceelbuur)	Somalia	4° 41' 00" N 46° 37' 00" E	152 m
Lutore Forest	Kenya	4° 22' 00" S 39° 10' 00" E	152 m
Mukanda river, Shimba Hills Settlement	Kenya	4° 10' 00" S 39° 27' 00" E	152 m
(see also: Mukanda Stream)			
Mukanda Stream (see Mukanda river)	Kenya	4° 10' 00" S 39° 27' 00" E	152 m
New Edubiase, 15 mi S [=24 km] Edubiase	Ghana	6° 04' 00" N 1° 24' 00" W	152 m
(see also: Edubiase, 15 mi [=24 km] S)			

Numan, Gongola	Nigeria	9° 28' 00" N 12° 02' 00" E	152 m
Oued Tlélat (see also: Oued-Trelat, Saint-Barbe-du-Tlélat, Sainte-Barbe-Du-Trelat)	Algeria	35° 32' 56" N 0° 26' 50" W	152 m
Oued-Trelat (see Oued Tlélat)	Algeria	35° 32' 56" N 0° 26' 50" W	152 m
Pugu hills	Tanzania	6° 53' 00" S 39° 05' 00" E	152 m
Saint-Barbe-du-Tlélat (see Oued Tlélat)	Algeria	35° 32' 56" N 0° 26' 50" W	152 m
Sainte-Barbe-Du-Trelat (see Oued Tlélat)	Algeria	35° 32' 56" N 0° 26' 50" W	152 m
Santo Amaro	São Tomé and Principé	0° 22' 00" N 6° 42' 00" E	152 m
Shush	Iran	32° 11' 00" N 41° 50' 00" E	152 m
Springbok, 14 km N, 44 km W	South Africa	29° 32' 00" S 17° 25' 00" E	152 m
Tchonou	Togo	7° 30' 00" N 1° 15' 00" E	152 m
Toumodi sud	Côte d'Ivoire	6° 33' 00" N 5° 01' 00" W	152 m
Traveller's Rest;, 18 mi NE Clanwilliam (see also: Clanwilliam, 18 mi [=29 km] NE)	South Africa	32° 04' 00" S 19° 05' 00" E	152 m
Yabiraso (see Yabraso)	Ghana	7° 34' 00" N 1° 11' 00" W	152 m
Yabraso (see also: Yabiraso, Yabraso Number 1)	Ghana	7° 34' 00" N 1° 11' 00" W	152 m
Yabraso Number 1 (see Yabraso)	Ghana	7° 34' 00" N 1° 11' 00" W	152 m
Al Hoceïma (see also: Al Huceima, Al ?usaymat, Alhacemas, Alhucemas, Villa Alhucemas, Villa Sanjurjo)	Morocco	35° 14' 24" N 3° 55' 48" W	153 m
Al Huceima (see Al Hoceïma)	Morocco	35° 14' 24" N 3° 55' 48" W	153 m
Al ?usaymat (see Al Hoceïma)	Morocco	35° 14' 24" N 3° 55' 48" W	153 m
Alhacemas (see Al Hoceïma)	Morocco	35° 14' 24" N 3° 55' 48" W	153 m
Alhucemas (see Al Hoceïma)	Morocco	35° 14' 24" N 3° 55' 48" W	153 m
Ho	Ghana	6° 36' 00" N 0° 28' 00" E	153 m
Oumé (see also: Umé)	Côte d'Ivoire	6° 23' 00" N 5° 25' 00" W	153 m
Umé (see Oumé)	Côte d'Ivoire	6° 23' 00" N 5° 25' 00" W	153 m
Villa Alhucemas (see Al Hoceïma)	Morocco	35° 14' 24" N 3° 55' 48" W	153 m
Villa Sanjurjo (see Al Hoceïma)	Morocco	35° 14' 24" N 3° 55' 48" W	153 m
Bacipú (see Basupú)	Equatorial Guinea	3° 44' 00" N 8° 49' 00" E	154 m
Basipu (see Basupú)	Equatorial Guinea	3° 44' 00" N 8° 49' 00" E	154 m
Basupí Fiston (see Basupú)	Equatorial Guinea	3° 44' 00" N 8° 49' 00" E	154 m
Basupú (see also: Bacipú, Basipu, Basupí Fiston, Fish Town, Fishtown)	Equatorial Guinea	3° 44' 00" N 8° 49' 00" E	154 m
Fish Town (see Basupú)	Equatorial Guinea	3° 44' 00" N 8° 49' 00" E	154 m
Fishtown (see Basupú)	Equatorial Guinea	3° 44' 00" N 8° 49' 00" E	154 m
Itsandha (see Itsandra)	Comoro Islands	11° 40' 16" S 43° 15' 17" E	154 m
Itsandra (see also: Itsandha)	Comoro Islands	11° 40' 16" S 43° 15' 17" E	154 m
Agouagon (see also: Agouagou, Agwagon, Ajargon, Ajougon)	Benin	7° 59' 00" N 2° 18' 00" E	155 m
Agouagou (see Agouagon)	Benin	7° 59' 00" N 2° 18' 00" E	155 m
Agwagon (see Agouagon)	Benin	7° 59' 00" N 2° 18' 00" E	155 m
Ajargon (see Agouagon)	Benin	7° 59' 00" N 2° 18' 00" E	155 m
Ajougon (see Agouagon)	Benin	7° 59' 00" N 2° 18' 00" E	155 m
Brazzaville (see also: Centre ORSTOM, Maya-Maya, N'Tamo, ORSTOM center)	Congo	4° 15' 33" S 15° 17' 05" E	155 m
Centre ORSTOM (see Brazzaville)	Congo	4° 15' 33" S 15° 17' 05" E	155 m
Maya-Maya (see Brazzaville)	Congo	4° 15' 33" S 15° 17' 05" E	155 m
N'Tamo (see Brazzaville)	Congo	4° 15' 33" S 15° 17' 05" E	155 m
ORSTOM center (see Brazzaville)	Congo	4° 15' 33" S 15° 17' 05" E	155 m
Reservoir Hills	South Africa	29° 48' 25" S 30° 56' 32" E	155 m
Adams College, 22 mi [=35 km] NE Durban (see also: Adams M.S., Adams Mission, Adams Mission Station, Durban, 22 mi [=35 km] NE)	South Africa	30° 02' 00" S 30° 49' 00" E	156 m
Adams M.S. (see Adams College), 22 mi [=35 km] NE Durban	South Africa	30° 02' 00" S 30° 49' 00" E	156 m
Adams Mission (see Adams College), 22 mi [=35 km] NE Durban	South Africa	30° 02' 00" S 30° 49' 00" E	156 m
Adams Mission Station (see Adams College), 22 mi [=35 km] NE Durban	South Africa	30° 02' 00" S 30° 49' 00" E	156 m
Durban, 22 mi [=35 km] NE (see Adams College)	South Africa	30° 02' 00" S 30° 49' 00" E	156 m
La Mouila (see Mouila)	Gabon	1° 52' 00" S 11° 01' 00" E	156 m
Mouila (see also: La Mouila)	Gabon	1° 52' 00" S 11° 01' 00" E	156 m
Fétékro (see also: Fetekro, Féttékro)	Côte d'Ivoire	7° 48' 35" N 4° 41' 22" W	157 m
Féttékro (see Fétékro)	Côte d'Ivoire	7° 48' 35" N 4° 41' 22" W	157 m
Bouyo (see Buyo)	Côte d'Ivoire	6° 16' 00" N 7° 03' 00" W	158 m

Buyo (see also: Bouyo)	Côte d'Ivoire	6° 16' 00" N 7° 03' 00" W	158 m
Chemtou (see Shimtu), 17 km W Jendouba	Tunisia	36° 29' 00" N 8° 35' 00" E	158 m
Chemtou Ance (see Shimtu), 17 km W Jendouba	Tunisia	36° 29' 00" N 8° 35' 00" E	158 m
Jendouba, 17 km W (see Shimtu)	Tunisia	36° 29' 00" N 8° 35' 00" E	158 m
Port Robert (see Robertsport)	Liberia	6° 45' 19" N 11° 22' 07" W	158 m
Robert Port (see Robertsport)	Liberia	6° 45' 19" N 11° 22' 07" W	158 m
Robertson (see Robertsport)	Liberia	6° 45' 19" N 11° 22' 07" W	158 m
Robertsport (see also: Port Robert, Robert Port, Robertson, Robertstown)	Liberia	6° 45' 19" N 11° 22' 07" W	158 m
Robertstown (see Robertsport)	Liberia	6° 45' 19" N 11° 22' 07" W	158 m
Shimtu, 17 km W Jendouba (see also: Chemtou, Chemtou Ance, Jendouba, 17 km W, Simittu)	Tunisia	36° 29' 00" N 8° 35' 00" E	158 m
Simittu (see Shimtu), 17 km W Jendouba	Tunisia	36° 29' 00" N 8° 35' 00" E	158 m
Mafia (see also: Sefwi Mafra)	Ghana	6° 27' 00" N 2° 56' 00" W	159 m
Sefwi Mafra (see Mafia)	Ghana	6° 27' 00" N 2° 56' 00" W	159 m
Swellendam (see also: Swellidam)	South Africa	34° 02' 00" S 20° 26' 00" E	159 m
Swellidam (see Swellendam)	South Africa	34° 02' 00" S 20° 26' 00" E	159 m
Ahireso (see also: Ahiriso, Ahyireso, Ahyiresu)	Ghana	6° 32' 00" N 2° 20' 00" W	160 m
Ahiriso (see Ahireso)	Ghana	6° 32' 00" N 2° 20' 00" W	160 m
Ahyireso (see Ahireso)	Ghana	6° 32' 00" N 2° 20' 00" W	160 m
Ahyiresu (see Ahireso)	Ghana	6° 32' 00" N 2° 20' 00" W	160 m
Azaguié Makouguié (see also: Macouguié, Makonguine)	Côte d'Ivoire	5° 37' 00" N 4° 10' 00" W	160 m
Berekuso (see also: Birekuso)	Ghana	5° 45' 00" N 0° 13' 00" W	160 m
Berekuso, 1 mi [=1.6 km] N (see also: Birekuso, 1 mi [=1.6 km] N)	Ghana	5° 45' 00" N 0° 13' 00" W	160 m
Birekuso (see Berekuso)	Ghana	5° 45' 00" N 0° 13' 00" W	160 m
Birekuso, 1 mi [=1.6 km] N (see Berekuso, 1 mi [=1.6 km] N)	Ghana	5° 45' 00" N 0° 13' 00" W	160 m
Garcia Bosreservaat (see Garcia Forest Reserve)	South Africa	34° 01' 10" S 21° 13' 21" E	160 m
Garcia Forest Reserve, 8.4 km N, 3.0 km W Riversdale (see also: Garcia Bosreservaat, Garcia State Forest, Riversdale, 8.4 km N, 3.0 km W)	South Africa	34° 01' 10" S 21° 13' 21" E	160 m
Garcia State Forest (see Garcia Forest Reserve)	South Africa	34° 01' 10" S 21° 13' 21" E	160 m
Macouguié (see Azaguié Makouguié)	Côte d'Ivoire	5° 37' 00" N 4° 10' 00" W	160 m
Makonguine (see Azaguié Makouguié)	Côte d'Ivoire	5° 37' 00" N 4° 10' 00" W	160 m
Python Pool	Swaziland	26° 11' 30" S 32° 00' 18" E	160 m
Riversdale, 8.4 km N, 3.0 km W (see Garcia Forest Reserve)	South Africa	34° 01' 10" S 21° 13' 21" E	160 m
Hanjama, 1 mi [=1.6 km] S	Sierra Leone	7° 57' 00" N 10° 56' 00" W	161 m
Ifon	Nigeria	6° 55' 27" N 5° 46' 34" E	162 m
Mohoro, cultural centre	Comoro Islands	11° 49' 33" S 43° 26' 46" E	163 m
Mawarenge	Tanzania	9° 36' 00" S 39° 02' 00" E	164 m
Andavakoera	Madagascar	13° 05' 49" S 49° 15' 16" E	165 m
Garoua (see also: Garua)	Cameroon	9° 18' 00" N 13° 24' 00" E	165 m
Garua (see Garoua)	Cameroon	9° 18' 00" N 13° 24' 00" E	165 m
Ntronan (see Ntronang)	Ghana	6° 21' 00" N 1° 05' 00" W	165 m
Ntronane (see Ntronang)	Ghana	6° 21' 00" N 1° 05' 00" W	165 m
Ntronang (see also: Ntronan, Ntronane)	Ghana	6° 21' 00" N 1° 05' 00" W	165 m
Al A'qab (see also: El A'agab, El A'qab)	Egypt	24° 15' 00" N 32° 54' 00" E	166 m
Bredasdorp, 16.4 km N, 21.5 km W (see Farm Swq 1032)	South Africa	34° 23' 04" S 19° 48' 27" E	166 m
El A'agab (see Al A'qab)	Egypt	24° 15' 00" N 32° 54' 00" E	166 m
El A'qab (see Al A'qab)	Egypt	24° 15' 00" N 32° 54' 00" E	166 m
Farm 1032 (Swq) (see Farm Swq 1032)	South Africa	34° 23' 04" S 19° 48' 27" E	166 m
Farm Swq 1032, 16.4 km N, 21.5 km W Bredasdorp (see also: Bredasdorp, 16.4 km N, 21.5 km W, Farm 1032 (Swq), Swq, Farm 1032)	South Africa	34° 23' 04" S 19° 48' 27" E	166 m
Sibange farm (see Tchibanga)	Gabon	2° 51' 00" S 11° 02' 00" E	166 m
Ssibange farm (see Tchibanga)	Gabon	2° 51' 00" S 11° 02' 00" E	166 m
Swq, Farm 1032 (see Farm Swq 1032)	South Africa	34° 23' 04" S 19° 48' 27" E	166 m
Talantegau (see Talantégou)	Niger	12° 29' 45" N 2° 44' 44" E	166 m
Talantégou (see also: Talantegau)	Niger	12° 29' 45" N 2° 44' 44" E	166 m
Tchibanga (see also: Sibange farm, Ssibange farm)	Gabon	2° 51' 00" S 11° 02' 00" E	166 m
Palmiet Nature Reserve	South Africa	29° 50' 00" S 30° 56' 00" E	168 m

Firestone (see also: Firestown, Jida)	Liberia		5° 56' 00" N 9° 38' 00" W	170 m
Firestown (see Firestone)	Liberia		5° 56' 00" N 9° 38' 00" W	170 m
Jida (see Firestone)	Liberia		5° 56' 00" N 9° 38' 00" W	170 m
Maroantsetra	Madagascar		15° 26' 00" S 49° 44' 00" E	170 m
Mbuluzi Game Reserve	Swaziland		26° 12' 00" S 31° 58' 48" E	171 m
Tinkon, 3 mi [=4.8 km] NW (see Tinkong, 3 mi [=4.8 km] NW)	Ghana	ca.	5° 59' 00" N 0° 14' 00" W	171 m
Tinkong, 3 mi [=4.8 km] NW (see also: Tinkon, 3 mi [=4.8 km] NW)	Ghana	ca.	5° 59' 00" N 0° 14' 00" W	171 m
Bimbila (see also: Bimbilla)	Ghana		8° 51' 00" N 0° 04' 00" E	172 m
Bimbilla (see Bimbila)	Ghana		8° 51' 00" N 0° 04' 00" E	172 m
El Qatta	Egypt		22° 43' 00" N 32° 04' 00" E	172 m
Mkuze, 25 km N (see Pongola Biosphere Reserve, Mpalane Lodge)	South Africa			172 m
Mpalane Lodge (see Pongola Biosphere Reserve, Mpalane Lodge), 25 km N Mkuze	South Africa			172 m
Pongola Biosphere Reserve, Mpalane Lodge, 25 km N Mkuze (see also: Mkuze, 25 km N, Mpalane Lodge)	South Africa	ca.	27° 23' 44" S 32° 04' 22" E	172 m
Qattah	Egypt		22° 43' 00" N 32° 04' 00" E	172 m
Bame	Ghana		6° 40' 00" N 0° 21' 00" E	173 m
Dolo (see Dolo Odo)	Ethiopia		4° 10' 43" N 42° 03' 32" E	173 m
Dolo Odo (see also: Dolo)	Ethiopia		4° 10' 43" N 42° 03' 32" E	173 m
Kelé	Congo		3° 20' 48" S 12° 28' 15" E	173 m
Durbanville	South Africa		33° 50' 00" S 18° 39' 00" E	174 m
Moliwe, 11.3 km N of Victoria (see also: Victoria, 11.3 km N)	Cameroon		4° 03' 59" N 9° 14' 48" E	174 m
Victoria, 11.3 km N (see Moliwe)	Cameroon		4° 03' 59" N 9° 14' 48" E	174 m
Booué (see also: Booue, Boque, Boué)	Gabon		0° 06' 00" S 11° 56' 00" E	175 m
Booue (see Booué)	Gabon		0° 06' 00" S 11° 56' 00" E	175 m
Boque (see Booué)	Gabon		0° 06' 00" S 11° 56' 00" E	175 m
Boué (see Booué)	Gabon		0° 06' 00" S 11° 56' 00" E	175 m
Mamitantely (see Manantantely)	Madagascar		24° 59' 00" S 46° 55' 00" E	175 m
Manantantely (see also: Mamitantely)	Madagascar		24° 59' 00" S 46° 55' 00" E	175 m
Kinshasa, near Leopoldville (see also: Léo-Est)	Congo (Democratic Republic of the)		4° 18' 00" S 15° 18' 00" E	177 m
Léo-Est (see Kinshasa, near Leopoldville)	Congo (Democratic Republic of the)		4° 18' 00" S 15° 18' 00" E	177 m
Berkán (see Berkane)	Morocco		34° 55' 16" N 2° 19' 46" W	179 m
Berkane (see also: Berkán, Berkawe)	Morocco		34° 55' 16" N 2° 19' 46" W	179 m
Berkawe (see Berkane)	Morocco		34° 55' 16" N 2° 19' 46" W	179 m
Malvern	South Africa		29° 53' 00" S 30° 55' 00" E	179 m
Kidugallo	Tanzania		6° 47' 00" S 38° 12' 00" E	180 m
Mushie	Congo (Democratic Republic of the)		3° 01' 00" S 16° 54' 00" E	180 m
Robertson	South Africa		33° 48' 00" S 19° 53' 00" E	180 m
Ciudad de Luba (see Luba)	Equatorial Guinea		3° 27' 24" N 8° 33' 17" E	181 m
Luba (see also: Ciudad de Luba, San Carlos, San Carlos de Lubá)	Equatorial Guinea		3° 27' 24" N 8° 33' 17" E	181 m
San Carlos (see Luba)	Equatorial Guinea		3° 27' 24" N 8° 33' 17" E	181 m
San Carlos de Lubá (see Luba)	Equatorial Guinea		3° 27' 24" N 8° 33' 17" E	181 m
Forbes Ranch (see Nsoko)	Swaziland		27° 02' 00" S 31° 57' 00" E	182 m
Nsoka (see Nsoko)	Swaziland		27° 02' 00" S 31° 57' 00" E	182 m
Nsoko (see also: Forbes Ranch, Nsoka)	Swaziland		27° 02' 00" S 31° 57' 00" E	182 m
Bipindi	Cameroon		3° 05' 00" N 10° 25' 00" E	184 m
Farm 409 SU (Ingwenya) (see Farm Ingwenya 409SU)	South Africa		27° 20' 00" S 31° 57' 43" E	185 m
Farm Ingwenya 409SU (see also: Farm 409 SU (Ingwenya), Ingwenya, Farm 409SU)	South Africa		27° 20' 00" S 31° 57' 43" E	185 m
Ingwenya, Farm 409SU (see Farm Ingwenya 409SU)	South Africa		27° 20' 00" S 31° 57' 43" E	185 m
Adjido	Togo		7° 30' 00" N 1° 11' 00" E	186 m
Gawso (see also: Goaso, Gooso)	Ghana		6° 48' 00" N 2° 31' 00" W	188 m
Goaso (see Gawso)	Ghana		6° 48' 00" N 2° 31' 00" W	188 m
Gooso (see Gawso)	Ghana		6° 48' 00" N 2° 31' 00" W	188 m
Guadalupe, 3 km NW (see Praia das Conchas)	São Tomé and Principé		0° 23' 00" N 6° 37' 00" E	188 m

Kpeve (see also: Kpeve Gbohome, Kpeve Gboyeme)	Ghana		6° 41' 00" N 0° 20' 00" E	188 m
Kpeve Gbohome (see Kpeve)	Ghana		6° 41' 00" N 0° 20' 00" E	188 m
Kpeve Gboyeme (see Kpeve)	Ghana		6° 41' 00" N 0° 20' 00" E	188 m
Praia das Conchas, 3 km NW Guadalupe (see also: Guadalupe, 3 km NW)	São Tomé and Principé		0° 23' 00" N 6° 37' 00" E	188 m
Biabli (see Quiapiple), Kran, west Upper Cess River	Liberia		6° 36' 12" N 8° 32' 25" W	189 m
Kpeaplay (see Quiapiple), Kran, west Upper Cess River	Liberia		6° 36' 12" N 8° 32' 25" W	189 m
Kpeaple (see Quiapiple), Kran, west Upper Cess River	Liberia		6° 36' 12" N 8° 32' 25" W	189 m
Larabanga, near (see also: Laribanga, near)	Ghana	ca.	9° 13' 00" N 1° 51' 00" W	189 m
Laribanga, near (see Larabanga, near)	Ghana	ca.	9° 13' 00" N 1° 51' 00" W	189 m
Quiapiple, Kran, west Upper Cess River (see also: Biabli, Kpeaplay, Kpeaple)	Liberia		6° 36' 12" N 8° 32' 25" W	189 m
University of Durban	South Africa		29° 49' 02" S 30° 56' 43" E	189 m
Abu Simbel (see Abu Sunbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Abu Simbel (see Abu Sunbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Abu Simbil (see Abu Sunbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Abu Sinbil (see Abu Sunbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Abu Sumbul (see Abu Sunbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Abu Sunbul (see also: Abu Simbel, Abu Simbel, Abu Simbil, Abu Sinbil, Abu Sumbul)	Egypt		22° 22' 00" N 31° 38' 00" E	193 m
Asakra (see Assakra), 15 km E Lomo (see also: El-Tûr)	Côte d'Ivoire		6° 24' 00" N 4° 54' 00" W	193 m
Assakra, 15 km E Lomo (see also: Asakra, Lomo, 15 km E)	Côte d'Ivoire		6° 24' 00" N 4° 54' 00" W	193 m
Lomo, 15 km E (see Assakra)	Côte d'Ivoire		6° 24' 00" N 4° 54' 00" W	193 m
Alexandria	South Africa		33° 39' 00" S 26° 25' 00" E	195 m
Lukula, Mayumbe area	Congo (Democratic Republic of the)		5° 23' 00" S 12° 57' 00" E	196 m
Alen, 3 km W of Maan	Cameroon		2° 23' 00" N 10° 34' 00" E	197 m
Aokas (see also: Cap Aokas, Oued Marsa)	Algeria		36° 38' 00" N 5° 15' 00" E	198 m
Cap Aokas (see Aokas)	Algeria		36° 38' 00" N 5° 15' 00" E	198 m
Good house Bay (see Goodhouse)	South Africa		28° 54' 45" S 18° 12' 39" E	198 m
Goodhouse, banks of Orange river (see also: Good house Bay)	South Africa		28° 54' 45" S 18° 12' 39" E	198 m
Oued Marsa (see Aokas)	Algeria		36° 38' 00" N 5° 15' 00" E	198 m
Apesokubi	Ghana		7° 35' 00" N 0° 24' 00" E	200 m
Arnoldton	South Africa		32° 58' 00" S 27° 48' 00" E	200 m
Bandakalala cave, near Siri-Ziroudani, along Maodjani River	Comoro Islands	ca.	12° 20' 03" S 43° 46' 50" E	200 m
Bester Game Farm (see T. Bester Game Farm)	South Africa		27° 50' 00" S 32° 15' 00" E	200 m
Black & White Umfolozi River confluence, 13.5 km N, 21 km W	South Africa		28° 14' 00" S 31° 46' 00" E	200 m
Citrusdal	South Africa		32° 36' 00" S 19° 01' 00" E	200 m
Citrusdal, 10 mi [=16 km] N (see Hex River Estates)	South Africa		33° 30' 00" S 19° 35' 00" E	200 m
Committees Drift, 7.2 km S, 5.7 km W (see Farm Kleinpoort (Bd))	South Africa		33° 13' 20" S 26° 46' 16" E	200 m
Farm Kleinpoort (Bd), 7.2 km S, 5.7 km W Committees Drift (see also: Committees Drift, 7.2 km S, 5.7 km W, Kleinpoort, Farm)	South Africa		33° 13' 20" S 26° 46' 16" E	200 m
Gbele Game Production Reserve (see also: Gbele Resource Reserve)	Ghana		10° 31' 18" N 2° 13' 22" W	200 m
Gbele Resource Reserve (see Gbele Game Production Reserve)	Ghana		10° 31' 18" N 2° 13' 22" W	200 m
Hex River Estates, 10 mi [=16 km] N Citrusdal (see also: Citrusdal, 10 mi [=16 km] N)	South Africa		33° 28' 00" S 18° 59' 00" E	200 m
Hoey's Bridge, near, 18 mi [=29 km] SW Kitale, Cherangani Hills	Kenya	ca.	0° 52' 34" N 35° 07' 13" E	200 m
Kleinpoort, Farm (see Farm Kleinpoort (Bd))	South Africa		33° 13' 20" S 26° 46' 16" E	200 m
Moroni, 9.2 km SE (see Panga Pachwa Myembe) (see also: Patsy, Wilson)	Comoro Islands		11° 50' 10" S 43° 18' 21" E	200 m
Mtubatuba, 58 km N (see T. Bester Game Farm)	South Africa		27° 50' 00" S 32° 15' 00" E	200 m
Panga Pachwa Myembe, 9.2 km SE Moroni (see also: Moroni, 9.2 km SE)	Comoro Islands		11° 50' 10" S 43° 18' 21" E	200 m
T. Bester Game Farm, 58 km N Mtubatuba (see also: Bester Game Farm, Mtubatuba, 58 km N)	South Africa		27° 50' 00" S 32° 15' 00" E	200 m
Wadi ?alfa'	Sudan		21° 48' 00" N 31° 21' 00" E	200 m

201 - 300 m:

Touroua (see also: Turua)	Cameroon	9° 05' 00" N 12° 58' 00" E	202 m
Turua (see Touroua)	Cameroon	9° 05' 00" N 12° 58' 00" E	202 m
Degeh (see Degei)	Liberia	7° 05' 51" N 10° 09' 48" W	203 m
Degei (see also: Degeh, Degie, Digain, Digei)	Liberia	7° 05' 51" N 10° 09' 48" W	203 m
Degie (see Degei)	Liberia	7° 05' 51" N 10° 09' 48" W	203 m
Digain (see Degei)	Liberia	7° 05' 51" N 10° 09' 48" W	203 m
Digei (see Degei)	Liberia	7° 05' 51" N 10° 09' 48" W	203 m
Abengourou	Côte d'Ivoire	6° 43' 47" N 3° 29' 47" W	204 m
Abenguru (see Abenguru) (see also: Abenguru)	Côte d'Ivoire	6° 43' 47" N 3° 29' 47" W	204 m
Matsamudu (see Moutsamoudou)	Comoro Islands	12° 09' 46" S 44° 23' 47" E	204 m
Moutsamoudou (see also: Matsamudu, Mutsamudu)	Comoro Islands	12° 09' 46" S 44° 23' 47" E	204 m
Mutsamudu (see Moutsamoudou)	Comoro Islands	12° 09' 46" S 44° 23' 47" E	204 m
Bonda	Gabon	0° 49' 00" S 12° 42' 00" E	206 m
Kamina	Togo	7° 31' 00" N 1° 10' 00" E	206 m
Lastoursville	Gabon	0° 49' 00" S 12° 42' 00" E	206 m
Lastourville	Gabon	0° 49' 00" S 12° 42' 00" E	206 m
Natures Valley Village	South Africa	33° 58' 00" S 23° 34' 00" E	207 m
Niamey	Niger	13° 31' 00" N 2° 07' 00" E	207 m
Okorase (see also: Okorasi)	Ghana	6° 02' 00" N 0° 15' 00" W	207 m
Okorasi (see Okorase)	Ghana	6° 02' 00" N 0° 15' 00" W	207 m
Gaya, 17 km W (see Tenda)	Niger	11° 59' 19" N 3° 18' 56" E	209 m
North Park Nature Reserve	South Africa	29° 52' 00" S 30° 52' 00" E	209 m
Tanda (see Tenda), 17 km W Gaya	Niger	11° 59' 19" N 3° 18' 56" E	209 m
Tenda, 17 km W Gaya (see also: Gaya, 17 km W, Tanda)	Niger	11° 59' 19" N 3° 18' 56" E	209 m
Andakaty, cave, 2.9 km N Betsiaka, Foret d'Andavakoera (see also: Betsiaka, 2.9 km N , Grotte d'Andakaty)	Madagascar	13° 07' 47" S 49° 14' 02" E	210 m
Betsiaka, 2.9 km N (see Andakaty, cave)	Madagascar	13° 07' 47" S 49° 14' 02" E	210 m
Farm 23 (Goodhouse) (see Farm Goodhouse 23), Goodhouse	South Africa	28° 54' 00" S 18° 15' 00" E	210 m
Farm Goodhouse 23, Goodhouse (see also: Farm 23 (Goodhouse), Goodhouse, Farm 23)	South Africa	28° 54' 00" S 18° 15' 00" E	210 m
Forêt d'Ampitiliantsambo	Madagascar	12° 20' 14" S 49° 23' 04" E	210 m
Goodhouse, Farm 23 (see Farm Goodhouse 23), Goodhouse	South Africa	28° 54' 00" S 18° 15' 00" E	210 m
Grotte d'Andakaty (see Andakaty, cave), 2.9 km N Betsiaka, Foret d'Andavakoera	Madagascar	13° 07' 47" S 49° 14' 02" E	210 m
Lake Baromi, Johan-Albrechtshöhe	Cameroon	4° 38' 00" N 9° 23' 00" E	210 m
Marloth Park (see also: Nkomazi Municipality complex, approx 1.5 km NNW, Nkomazi Municipality Park)	South Africa	25° 22' 00" S 31° 47' 00" E	210 m
Nkomazi Municipality complex, approx 1.5 km NNW (see Marloth Park)	South Africa	25° 22' 00" S 31° 47' 00" E	210 m
Nkomazi Municipality Park (see Marloth Park)	South Africa	25° 22' 00" S 31° 47' 00" E	210 m
Tsimilafo	Madagascar	24° 58' 00" S 45° 10' 00" E	210 m
Tsimilofo	Madagascar	24° 58' 00" S 45° 10' 00" E	210 m
Bopolu (see also: Bopora, Boporo, Bopulu)	Liberia	7° 04' 00" N 10° 29' 15" W	211 m
Bopora (see Bopolu)	Liberia	7° 04' 00" N 10° 29' 15" W	211 m
Boporo (see Bopolu)	Liberia	7° 04' 00" N 10° 29' 15" W	211 m
Bopulu (see Bopolu)	Liberia	7° 04' 00" N 10° 29' 15" W	211 m
Toyébli	Côte d'Ivoire	6° 37' 11" N 8° 28' 50" W	211 m
Bunga Inselberg	Mozambique	18° 35' 56" S 34° 20' 35" E	212 m
Ebéva (see also: Ebewa)	Togo	7° 31' 00" N 1° 05' 00" E	212 m
Ebewa (see Ebéva)	Togo	7° 31' 00" N 1° 05' 00" E	212 m
Beratro	Madagascar	25° 00' 00" S 45° 17' 00" E	213 m
Biskra	Algeria	34° 51' 00" N 5° 44' 00" E	213 m
George, 1.6 km N, 5.9 km E (see Saasveld)	South Africa	33° 57' 00" S 22° 31' 00" E	213 m
Gorge Rim, Site 1	Mozambique	18° 38' 06" S 34° 48' 29" E	213 m
Raba (see Rabai), Mombassa, near	Kenya	3° 56' 00" S 39° 34' 00" E	213 m
Rabai, Mombassa, near (see also: Raba, Ravai)	Kenya	3° 56' 00" S 39° 34' 00" E	213 m
Ravai (see Rabai), Mombassa, near	Kenya	3° 56' 00" S 39° 34' 00" E	213 m
Saarsveld Forestry School (see Saasveld)	South Africa	33° 57' 00" S 22° 31' 00" E	213 m

Saasveld, 1.6 km N, 5.9 km E George (see also: George, 1.6 km N, 5.9 km E, Saarsveld Forestry School, Saasveld Forestry College, Saasveld Forestry Research Station, Saasveld Forestry School)	South Africa	33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry College (see Saasveld), George	South Africa	33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry Research Station (see Saasveld), George	South Africa	33° 57' 00" S 22° 31' 00" E	213 m
Saasveld Forestry School (see Saasveld), George	South Africa	33° 57' 00" S 22° 31' 00" E	213 m
Shishe (see also: Shishie)	Ghana	10° 42' 00" N 0° 13' 00" W	213 m
Shishie (see Shishe)	Ghana	10° 42' 00" N 0° 13' 00" W	213 m
Balelipa (see Bilelipa)	Equatorial Guinea	3° 29' 00" N 8° 48' 00" E	215 m
Belelipa (see Bilelipa)	Equatorial Guinea	3° 29' 00" N 8° 48' 00" E	215 m
Belépipa (see Bilelipa)	Equatorial Guinea	3° 29' 00" N 8° 48' 00" E	215 m
Beletipa (see Bilelipa)	Equatorial Guinea	3° 29' 00" N 8° 48' 00" E	215 m
Betelipa (see Bilelipa)	Equatorial Guinea	3° 29' 00" N 8° 48' 00" E	215 m
Bilelepá (see Bilelipa)	Equatorial Guinea	3° 29' 00" N 8° 48' 00" E	215 m
Bilelepe (see Bilelipa)	Equatorial Guinea	3° 29' 00" N 8° 48' 00" E	215 m
Bilelipa (see also: Balelipa, Belelipa, Belépipa, Beletipa, Betelipa, Bilelepá, Bilelepe)	Equatorial Guinea	3° 29' 00" N 8° 48' 00" E	215 m
Guéné	Benin	11° 44' 00" N 3° 13' 00" E	216 m
Ankasi, 17 mi [=27 km] from Ksi [= Kumasi] (see also: Ksi, 17 mi [=27 km] from, Kumasi, 17 mi [=27 km] from)	Ghana	6° 39' 00" N 1° 22' 00" W	217 m
Dongola (see Dunqulah)	Sudan	19° 10' 00" N 30° 29' 00" E	217 m
Donkola (see Dunqulah)	Sudan	19° 10' 00" N 30° 29' 00" E	217 m
Dunkula (see Dunqulah)	Sudan	19° 10' 00" N 30° 29' 00" E	217 m
Dunqulah (see also: Dongola, Donkola, Dunkula)	Sudan	19° 10' 00" N 30° 29' 00" E	217 m
Kanan-Koffi-Kro (see Konankoffikro)	Côte d'Ivoire	6° 58' 00" N 5° 14' 00" W	217 m
Konankoffikro (see also: Kanan-Koffi-Kro)	Côte d'Ivoire	6° 58' 00" N 5° 14' 00" W	217 m
Konankoffikro (see Konankofikro)	Côte d'Ivoire	6° 58' 16" N 5° 14' 41" W	217 m
Konankofikro (see also: Konankoffikro)	Côte d'Ivoire	6° 58' 16" N 5° 14' 41" W	217 m
Ksi, 17 mi [=27 km] from (see Ankasi)	Ghana	6° 39' 00" N 1° 22' 00" W	217 m
Kumasi, 17 mi [=27 km] from (see Ankasi)	Ghana	6° 39' 00" N 1° 22' 00" W	217 m
Wora Wora (see Worawora)	Ghana	7° 31' 00" N 0° 22' 00" E	217 m
Worawora (see also: Wora Wora)	Ghana	7° 31' 00" N 0° 22' 00" E	217 m
Akim Oda (see Oda)	Ghana	5° 55' 00" N 0° 59' 00" W	218 m
Dwaaso (see Juaso)	Ghana	6° 35' 00" N 1° 07' 00" W	218 m
Insuaim (see Oda)	Ghana	5° 55' 00" N 0° 59' 00" W	218 m
Juaso (see also: Dwaaso)	Ghana	6° 35' 00" N 1° 07' 00" W	218 m
Ngobilo	Cameroon	4° 20' 00" N 10° 37' 00" E	218 m
Nsuaem (see Oda)	Ghana	5° 55' 00" N 0° 59' 00" W	218 m
Obolléi Yar (see also: Obolley Yar, Wadi Obolléï)	Djibouti	11° 23' 37" N 43° 04' 56" E	218 m
Obolley Yar (see Obolléi Yar)	Djibouti	11° 23' 37" N 43° 04' 56" E	218 m
Wadi Obolléï (see Obolléi Yar)	Djibouti	11° 23' 37" N 43° 04' 56" E	218 m
Babiana (see Bibiana)	Ghana	6° 27' 00" N 2° 18' 00" W	219 m
Babianeha (see Bibiana)	Ghana	6° 27' 00" N 2° 18' 00" W	219 m
Bebiana (see Bibiana)	Ghana	6° 27' 00" N 2° 18' 00" W	219 m
Bebianiha (see Bibiana)	Ghana	6° 27' 00" N 2° 18' 00" W	219 m
Bekawi (see Bekwai)	Ghana	6° 27' 00" N 1° 35' 00" W	219 m
Bekwai (see also: Bekawi, Bekwai Ash)	Ghana	6° 27' 00" N 1° 35' 00" W	219 m
Bekwai Ash (see Bekwai)	Ghana	6° 27' 00" N 1° 35' 00" W	219 m
Bibiana (see also: Babiana, Babianeha, Bebiana, Bebianiha, Bibianaha, Bibiani)	Ghana	6° 27' 00" N 2° 18' 00" W	219 m
Bibianaha (see Bibiana), Inland from Denkwa, 60 mi [=90 km] W Kumasi (see also: Kumasi, 60 mi [=90 km] W)	Ghana	6° 27' 00" N 2° 18' 00" W	219 m
Bibiani (see Bibiana)	Ghana	6° 27' 00" N 2° 18' 00" W	219 m
Gwalali	South Africa	22° 24' 00" S 31° 18' 00" E	219 m
Kumasi, 60 mi [=90 km] W (see Bibianaha), Inland from Denkwa	Ghana	6° 28' 00" N 2° 20' 00" W	219 m
Farm Vrolijkheid (see Vrolijkheid Nature Reserve)	South Africa	33° 55' 00" S 19° 52' 00" E	221 m
Paiata (see Piata)	Liberia	7° 12' 00" N 9° 48' 00" W	221 m
Peahtah (see Piata)	Liberia	7° 12' 00" N 9° 48' 00" W	221 m
Piata (see also: Paiata, Peahtah, Piatah)	Liberia	7° 12' 00" N 9° 48' 00" W	221 m

Piatah (see Piata)	Liberia		7° 12' 00" N 9° 48' 00" W	221 m
Robertson, 12 km S, 0.5 km W (see Vrolijkheid Nature Reserve)	South Africa		33° 55' 00" S 19° 52' 00" E	221 m
Robertson, 15 km SW (see Vrolijkheid Nature Reserve)	South Africa		33° 55' 00" S 19° 53' 00" E	221 m
Vrolijkheid Nature Reserve, 12 km S, 0.5 km W Robertson (see also: Farm Vrolijkheid, Robertson, 12 km S, 0.5 km W, Robertson, 15 km SW, Vrolijkheid, Farm)	South Africa		33° 55' 00" S 19° 53' 00" E	221 m
Vrolijkheid, Farm (see Vrolijkheid Nature Reserve)	South Africa		33° 55' 00" S 19° 52' 00" E	221 m
Kisarawe (see also: Kiserawe)	Tanzania		6° 54' 00" S 39° 04' 00" E	222 m
Kiserawe (see Kisarawe)	Tanzania		6° 54' 00" S 39° 04' 00" E	222 m
Ambinda	Madagascar		18° 01' 41" S 44° 29' 45" E	223 m
Tranoroa, on the Menarandra River	Madagascar		24° 42' 00" S 45° 04' 00" E	223 m
Evou (see Vou)	Togo		7° 32' 00" N 1° 02' 00" E	224 m
Ewou (see Vou)	Togo		7° 32' 00" N 1° 02' 00" E	224 m
Rei Bouba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river	Cameroon		8° 36' 00" N 14° 11' 00" E	224 m
Rei Buba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river	Cameroon		8° 40' 00" N 14° 11' 00" E	224 m
Reï-Bouba (see Rey Bouba), on Mayou Rei, attribute of the Bénoué river	Cameroon		8° 40' 00" N 14° 11' 00" E	224 m
Rey Bouba, on Mayou Rei, attribute of the Bénoué river (see also: Rei Bouba, Rei Buba, Reï-Bouba)	Cameroon		8° 40' 00" N 14° 11' 00" E	224 m
Vou (see also: Evou, Ewou)	Togo		7° 32' 00" N 1° 02' 00" E	224 m
Arly National Park	Burkina Faso		11° 34' 00" N 1° 26' 00" E	ca. 225 m
La Tapoa (see also: Tapoa)	Niger		12° 29' 31" N 2° 21' 36" E	225 m
Tapoa (see La Tapoa)	Niger		12° 29' 31" N 2° 21' 36" E	225 m
Arly (see also: Azly)	Burkina Faso		11° 35' 00" N 1° 28' 00" E	226 m
Azly (see Arly)	Burkina Faso		11° 35' 00" N 1° 28' 00" E	226 m
Kuuni, 48 km (see Mpesetia)	Ghana		6° 39' 00" N 1° 51' 00" W	226 m
Kuuni, 48 mi [=77 km] from (see Mpesetia), 48 mi [=77 km] from Kumasi	Ghana		6° 39' 00" N 1° 51' 00" W	226 m
Kuuni, 77 km (see Mpesetia)	Ghana		6° 39' 00" N 1° 51' 00" W	226 m
Mim (see also: Mmem village)	Ghana		6° 54' 00" N 2° 34' 00" W	226 m
Mmem village (see Mim)	Ghana		6° 54' 00" N 2° 34' 00" W	226 m
Mpesetia, Kumasi, 24 mi [=36 km] W (see also: Kuuni, 48 km, Kuuni, 48 mi [=77 km] from, Kuuni, 77 km, Mpisalia)	Ghana		6° 39' 00" N 1° 51' 00" W	226 m
Mpisalia (see Mpesetia), Holok	Ghana		6° 39' 00" N 1° 51' 00" W	226 m
Témédja	Togo		7° 31' 00" N 1° 03' 00" E	226 m
Guéboua	Côte d'Ivoire		5° 59' 02" N 5° 41' 21" W	227 m
Karma An Nuzul (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		19° 38' 00" N 30° 25' 00" E	227 m
Karmah (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		19° 38' 00" N 30° 25' 00" E	227 m
Karmah an Nuzul, 40 km from the third waterfall (see also: Karma An Nuzul, Karmah, Kerma, Kerma en Nuzl, Kermah)	Sudan		19° 38' 00" N 30° 25' 00" E	227 m
Kerma (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		19° 38' 00" N 30° 25' 00" E	227 m
Kerma en Nuzl (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		19° 38' 00" N 30° 25' 00" E	227 m
Kermah (see Karmah an Nuzul), 40 km from the third waterfall	Sudan		19° 38' 00" N 30° 25' 00" E	227 m
Cella (see also: Sella)	Burkina Faso		11° 37' 00" N 0° 22' 00" W	228 m
Mistandunga	Congo (Democratic Republic of the)		2° 05' 00" S 16° 22' 00" E	228 m
Sella (see Cella)	Burkina Faso		11° 37' 00" N 0° 22' 00" W	228 m
Anum, 4 mi [=6.4 km] S	Ghana	ca.	6° 30' 00" N 0° 10' 00" E	ca. 230 m
Cella, 1 km N (see also: Sella, 1 km N)	Burkina Faso		11° 38' 00" N 0° 22' 00" W	ca. 230 m
Damongo	Ghana		9° 05' 00" N 1° 49' 00" W	230 m
Grotte de Hamapoudre (see Hamapoudre cave), near Mromagi	Comoro Islands		12° 12' 25" S 44° 30' 02" E	230 m
Hamapoudre cave, near Mromagi (see also: Grotte de Hamapoudre, Hamapoudre, grotte de)	Comoro Islands		12° 12' 25" S 44° 30' 02" E	230 m
Hamapoudre, grotte de (see Hamapoudre cave), near Mromagi	Comoro Islands		12° 12' 25" S 44° 30' 02" E	230 m

Kwambumi Forest Reserve, 4.4 km W Mt Mhinduro, 2 km S Kwamtili Estate Offices (see also: Kwamtili Estate Offices, 2 km S, Mount Mhinduro, 4.4 km W)	Tanzania		4° 56' 30" S 38° 43' 48" E	230 m
Kwamtili Estate Offices, 2 km S (see Kwambumi Forest Reserve)	Tanzania		4° 56' 30" S 38° 43' 48" E	230 m
Mount Mhinduro, 4.4 km W (see Kwambumi Forest Reserve)	Tanzania		4° 56' 30" S 38° 43' 48" E	230 m
Sella, 1 km N (see Cella, 1 km N)	Burkina Faso		11° 38' 00" N 0° 22' 00" W	ca. 230 m
Edifou	Togo		7° 29' 00" N 0° 58' 00" E	231 m
Konongo	Ghana		6° 37' 00" N 1° 13' 00" W	231 m
Anum	Ghana		6° 29' 00" N 0° 09' 00" E	234 m
Ayangba	Nigeria		7° 30' 13" N 7° 10' 28" E	234 m
Ibadan	Nigeria		7° 23' 16" N 3° 53' 47" E	237 m
Ibadan University College, Ibadan University College (see also: Lagos, University, University of Lagos)	Nigeria		7° 23' 16" N 3° 53' 47" E	237 m
Lagos, University (see Ibadan University College)	Nigeria		7° 23' 16" N 3° 53' 47" E	237 m
University of Lagos (see Ibadan University College)	Nigeria		7° 23' 16" N 3° 53' 47" E	237 m
Koforidua	Ghana		6° 05' 00" N 0° 15' 00" W	238 m
Temvo	Congo (Democratic Republic of the)		5° 30' 00" S 13° 01' 00" E	238 m
Kanisa Janu (see Kanisah)	Sudan		18° 15' 00" N 31° 40' 00" E	239 m
Kanisah (see also: Kanisa Janu, Kenisa)	Sudan		18° 15' 00" N 31° 40' 00" E	239 m
Kenisa (see Kanisah)	Sudan		18° 15' 00" N 31° 40' 00" E	239 m
Simunye, 15 km N, on Simunye-Tshaneni Road	Swaziland		26° 06' 17" S 31° 52' 18" E	239 m
Fort Beaufort, 23.7 km S, 9.7 km E (see Sam Knott Nature Reserve)	South Africa		32° 56' 29" S 26° 44' 23" E	240 m
Kareedouw, 5.0 km S, 15.5 km W (see Witels Forest Reserve)	South Africa		33° 59' 47" S 24° 07' 37" E	240 m
Kinshasa (see also: Leopoldstad, Leopoldville, Léopoldville, Lovanium university)	Congo (Democratic Republic of the)		4° 19' 47" S 15° 18' 54" E	240 m
Leopoldstad (see Kinshasa)	Congo (Democratic Republic of the)		4° 19' 47" S 15° 18' 54" E	240 m
Leopoldville (see Kinshasa)	Congo (Democratic Republic of the)		4° 18' 00" S 15° 18' 00" E	240 m
Léopoldville (see Kinshasa)	Congo (Democratic Republic of the)		4° 19' 47" S 15° 18' 54" E	240 m
Lottering Forest Reserve, 10.3 km N, 34.7 km E Plettenberg Bay (see also: Plettenberg Bay, 10.3 km N, 34.7 km E)	South Africa		33° 57' 54" S 23° 44' 46" E	240 m
Lovanium university (see Kinshasa)	Congo (Democratic Republic of the)		4° 19' 47" S 15° 18' 54" E	240 m
Paddagat	South Africa		31° 08' 00" S 18° 11' 00" E	240 m
Plettenberg Bay, 10.3 km N, 34.7 km E (see Lottering Forest Reserve)	South Africa		33° 57' 54" S 23° 44' 46" E	240 m
Sam Knott Nature Reserve, 23.7 km S, 9.7 km E Fort Beaufort (see also: Fort Beaufort, 23.7 km S, 9.7 km E)	South Africa		32° 56' 29" S 26° 44' 23" E	240 m
Skukuza (see also: Skukuza Camp, Skukuza lab buildings, Skukuza Staff Picnic Site, Skukuza Staff village, Skukuza Town, Skukuza Township, Skukuza Village)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Camp (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza lab buildings (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Staff Picnic Site (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Staff village (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Town (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Township (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Skukuza Village (see Skukuza)	South Africa		24° 59' 00" S 31° 36' 00" E	240 m
Witels Forest Reserve, 5.0 km S, 15.5 km W Kareedouw (see also: Kareedouw, 5.0 km S, 15.5 km W)	South Africa		33° 59' 47" S 24° 07' 37" E	240 m
Kandreho (see also: Kandreo)	Madagascar		17° 29' 00" S 46° 06' 00" E	241 m
Kandreo (see Kandreho)	Madagascar		17° 29' 00" S 46° 06' 00" E	241 m
Borom (see Boromo)	Burkina Faso		11° 45' 00" N 2° 56' 00" W	242 m
Boromo (see also: Borom)	Burkina Faso		11° 45' 00" N 2° 56' 00" W	242 m
Basal Mission	Cameroon		4° 39' 00" N 9° 26' 00" E	243 m
King William's Town, 18.2 km S, 14.9 km W	South Africa		33° 02' 29" S 27° 13' 56" E	244 m
Matanilas	Tanzania	ca.	9° 00' 00" S 36° 40' 00" E	244 m
Eséka (see also: Eseka)	Cameroon		3° 39' 00" N 10° 46' 00" E	245 m

Eseka (see Eséka)	Cameroon		3° 39' 00" N 10° 46' 00" E	245 m
Hectorspruit, Nelspruit	South Africa		25° 26' 00" S 31° 41' 00" E	245 m
Foum Tatahouine (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Foum Tataouine (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Fum Tatawin (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Fumm Tattauin (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Ksi (see Kumasi)	Ghana		6° 41' 00" N 1° 37' 00" W	246 m
Kumasi (see also: Ksi)	Ghana		6° 41' 00" N 1° 37' 00" W	246 m
Kumasi Agricultural Station (see Kumasi, UST Agricultural Farm)	Ghana		6° 45' 00" N 1° 34' 00" W	246 m
Kumasi University	Ghana		6° 41' 00" N 1° 37' 00" W	246 m
Kumasi, UST Agricultural Farm (see also: Kumasi Agricultural Station)	Ghana		6° 45' 00" N 1° 34' 00" W	246 m
Tatahouïne (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Tataouine (see also: Foum Tatahouine, Foum Tataouine, Fum Tatawin, Fumm Tattauin, Tatahouïne, Tatawin)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Tatawin (see Tataouine)	Tunisia		32° 56' 00" N 10° 27' 00" E	246 m
Tsibu, 2 mi [=3.2 km] SSW	Ghana	ca.	6° 34' 00" N 0° 17' 00" E	248 m
Dabakala (see also: Dabakla)	Côte d'Ivoire		8° 22' 00" N 4° 26' 00" W	249 m
Dabakla (see Dabakala)	Côte d'Ivoire		8° 22' 00" N 4° 26' 00" W	249 m
Ago Shasha, 6 mi [=9.7 km] N (see Iloshi, 4 mi [=6.4 km] S)	Nigeria	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
Black & White Umfolozi River confluence, 17 km N, 22 km W	South Africa		28° 12' 00" S 31° 45' 00" E	250 m
Dimonika	Congo		4° 13' 53" S 12° 26' 22" E	250 m
Empangeni, 17 km N, 15 km W (see Ntambanana [farmstead])	South Africa		28° 36' 13" S 31° 44' 32" E	250 m
Ilashe, 4 mi [=6.4 km] S (see Iloshi, 4 mi [=6.4 km] S), 6 mi N Ago Shasha	Nigeria	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
Iloshi, 4 mi [=6.4 km] S, 6 mi N Ago Shasha (see also: Ago Shasha, 6 mi [=9.7 km] N, Ilashe, 4 mi [=6.4 km] S)	Nigeria	ca.	7° 30' 00" N 6° 30' 00" E	ca. 250 m
Kahen (see Kahin)	Côte d'Ivoire		6° 54' 50" N 7° 37' 39" W	250 m
Kahin (see also: Kahen)	Côte d'Ivoire		6° 54' 50" N 7° 37' 39" W	250 m
Kumba, 5 mi [=8 km] SE (see Mukonje)	Cameroon		4° 36' 00" N 9° 30' 00" E	250 m
Matai Forest Reserve	Tanzania		4° 51' 00" S 38° 46' 00" E	250 m
Ntambanana [farmstead], Mtonjaneni (see also: Empangeni, 17 km N, 15 km W)	South Africa		28° 36' 13" S 31° 44' 32" E	250 m
Tétouane, cave 6 km E	Morocco	ca.	35° 34' 00" N 5° 17' 00" W	250 m
Asampaniye (see also: Asempanaye Sefwi, Asenparage garden, Sefwi Asemparaye, Sefwi Asenparage)	Ghana		6° 30' 00" N 2° 54' 00" W	251 m
Asempanaye Sefwi (see Asampaniye)	Ghana		6° 30' 00" N 2° 54' 00" W	251 m
Asenparage garden (see Asampaniye)	Ghana		6° 30' 00" N 2° 54' 00" W	251 m
Sefwi Asemparaye (see Asampaniye)	Ghana		6° 30' 00" N 2° 54' 00" W	251 m
Sefwi Asenparage (see Asampaniye)	Ghana		6° 30' 00" N 2° 54' 00" W	251 m
Adina (see Adiva), 15 km W Atakpamé	Togo		7° 31' 00" N 1° 01' 00" E	252 m
Adiva, 15 km W of Atakpamé (see also: Adina, Atakpamé, 15 km W)	Togo		7° 31' 00" N 1° 01' 00" E	252 m
Al A'aqab (see also: El A'aqab)	Egypt		24° 15' 00" N 32° 54' 00" E	252 m
Al Bawiti (see also: Al Bawiti, al-Bawiti, Bawiti, Bawiti, El Bawiti, El Bawîti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
Al Bawiti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
al-Bawiti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
Araba (see also: Araba Birni)	Nigeria		13° 13' 00" N 5° 02' 00" E	252 m
Araba Birni (see Araba)	Nigeria		13° 13' 00" N 5° 02' 00" E	252 m
Atakpamé, 15 km W (see Adiva)	Togo		7° 31' 00" N 1° 01' 00" E	252 m
Badjékali (see Bodjékali)	Benin		11° 48' 34" N 3° 22' 59" E	252 m
Baney (see Santiago de Baney), Eolá River, Patio Vivancos (see also: Eolá River, Río Eolá)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Bany (see Santiago de Baney)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Basacato (see Basacato del Oeste)	Equatorial Guinea		3° 35' 27" N 8° 37' 24" E	252 m
Basacato del Oeste (see also: Basacato, Basakato, Cueva Bosacato)	Equatorial Guinea		3° 35' 27" N 8° 37' 24" E	252 m
Basakato (see Basacato del Oeste)	Equatorial Guinea		3° 35' 27" N 8° 37' 24" E	252 m
Bawiti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
Bawiti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m

Berifitra (see Berivotra (village))	Madagascar		15° 54' 03" S 46° 34' 42" E	252 m
Berivotra (village) (see also: Berifitra)	Madagascar		15° 54' 03" S 46° 34' 42" E	252 m
Besabeba	Equatorial Guinea		2° 02' 52" N 10° 13' 04" E	252 m
Bodjécali (see Bodjékali)	Benin		11° 48' 34" N 3° 22' 59" E	252 m
Bodjékali (see also: Badjékali, Bodjécali)	Benin		11° 48' 34" N 3° 22' 59" E	252 m
Bokalakala	Congo (Democratic Republic of the)		2° 08' 00" S 16° 22' 00" E	252 m
Bokoro, Lukenie	Congo (Democratic Republic of the)		2° 50' 00" S 18° 23' 00" E	252 m
Bongolo	Congo		3° 35' 00" S 12° 15' 00" E	252 m
Cueva Bosacato (see Basacato del Oeste)	Equatorial Guinea		3° 35' 27" N 8° 37' 24" E	252 m
Dehmit (see Dihmit)	Egypt		23° 47' 00" N 32° 55' 00" E	252 m
Dihmit (see also: Dehmit, Dihmit, Dilunit)	Egypt		23° 47' 00" N 32° 55' 00" E	252 m
Dihmit (see Dihmit)	Egypt		23° 47' 00" N 32° 55' 00" E	252 m
Dilunit (see Dihmit)	Egypt		23° 47' 00" N 32° 55' 00" E	252 m
El A'aqab (see Al A'aqab)	Egypt		24° 15' 00" N 32° 54' 00" E	252 m
El Bawiti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
El Bawîti (see Al Bawiti)	Egypt		28° 20' 57" N 28° 51' 57" E	252 m
Eolá River (see Baney)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Garou	Benin		11° 48' 13" N 3° 28' 44" E	252 m
Koko, near Zou river, near Bante	Benin		8° 22' 30" N 1° 50' 12" E	252 m
Laka-Baney (see Santiago de Baney)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Malanville (see also: Mallanville)	Benin		11° 52' 07" N 3° 23' 24" E	252 m
Mallanville (see Malanville)	Benin		11° 52' 07" N 3° 23' 24" E	252 m
M'tsangamouhouni (see Mtsangamouthoum)	Comoro Islands		12° 08' 28" S 44° 25' 45" E	252 m
Mtsangamouthoum (see also: M'tsangamouhouni, N'tsangamouhouni)	Comoro Islands		12° 08' 28" S 44° 25' 45" E	252 m
N'tsangamouhouni (see Mtsangamouthoum)	Comoro Islands		12° 08' 28" S 44° 25' 45" E	252 m
Red Hill	South Africa		29° 46' 34" S 31° 01' 39" E	252 m
Río Eolá (see Baney)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
Santiago de Baney, at 100 m from the banks of the Eola river (see also: Baney, Bany, Laka-Baney)	Equatorial Guinea		3° 41' 57" N 8° 54' 30" E	252 m
São Mateus, between Santo Antonio and Puerto Real	São Tomé and Principé		1° 38' 00" N 7° 24' 00" E	252 m
Savé	Benin		8° 02' 33" N 2° 29' 10" E	252 m
Taï	Côte d'Ivoire		5° 52' 25" N 7° 27' 19" W	252 m
Toumodi	Côte d'Ivoire		6° 33' 29" N 5° 01' 04" W	252 m
Azafi	Togo		7° 34' 00" N 1° 02' 00" E	253 m
Djipologo (see also: Jipologo)	Burkina Faso		10° 56' 00" N 3° 07' 00" W	253 m
Jipologo (see Djipologo)	Burkina Faso		10° 56' 00" N 3° 07' 00" W	253 m
Lawra, Mouhoun river	Ghana	ca.	10° 39' 00" N 2° 52' 00" W	253 m
Nkaw Nkaw (see Nkawkaw)	Ghana		6° 33' 00" N 0° 46' 00" W	253 m
Nkawkaw (see also: Nkaw Nkaw, Nkokoo)	Ghana		6° 33' 00" N 0° 46' 00" W	253 m
Nkokoo (see Nkawkaw)	Ghana		6° 33' 00" N 0° 46' 00" W	253 m
Bougouma (see Boukma)	Cameroon		8° 32' 00" N 13° 55' 00" E	254 m
Boukma (see also: Bougouma, Boukouma, Buguma)	Cameroon		8° 32' 00" N 13° 55' 00" E	254 m
Boukouma (see Boukma)	Cameroon		8° 32' 00" N 13° 55' 00" E	254 m
Buguma (see Boukma)	Cameroon		8° 32' 00" N 13° 55' 00" E	254 m
Etiés (see also: Etiess, Etiessé)	Senegal		12° 34' 30" N 12° 26' 25" W	254 m
Etiess (see Etiés)	Senegal		12° 34' 30" N 12° 26' 25" W	254 m
Etiessé (see Etiés)	Senegal		12° 34' 30" N 12° 26' 25" W	254 m
Konankira (see also: Konankoïna, Konankoïne, Konankoira)	Burkina Faso		12° 54' 00" N 3° 54' 00" W	254 m
Konankoïna (see Konankira)	Burkina Faso		12° 54' 00" N 3° 54' 00" W	254 m
Konankoïne (see Konankira)	Burkina Faso		12° 54' 00" N 3° 54' 00" W	254 m
Konankoira (see Konankira)	Burkina Faso		12° 54' 00" N 3° 54' 00" W	254 m
Ambanizana (see also: Benjana)	Madagascar		15° 37' 00" S 49° 58' 00" E	255 m
Benjana (see Ambanizana)	Madagascar		15° 37' 00" S 49° 58' 00" E	255 m
Sakpa	Ghana		8° 52' 00" N 2° 21' 00" W	255 m
Ségbana	Benin		10° 55' 40" N 3° 41' 35" E	255 m
Lalehun	Sierra Leone		8° 11' 00" N 11° 05' 00" W	256 m
Kumba	Cameroon		4° 38' 38" N 9° 26' 19" E	257 m
Loango (see Luango)	Angola		6° 51' 00" S 13° 06' 00" E	258 m
Luango (see also: Loango)	Angola		6° 51' 00" S 13° 06' 00" E	258 m

Comoe River	Burkina Faso	9° 57' 00" N 4° 38' 00" W	260 m
Grotte de Mangamitsano (see Mangamitsano, cave), near RN12, between Bambao and Col de Patsi	Comoro Islands	12° 11' 22" S 44° 28' 40" E	260 m
Mangamitsano, cave, near RN12, between Bambao and Col de Patsi (see also: Grotte de Mangamitsano, Mangamitsano, grotte de)	Comoro Islands	12° 11' 22" S 44° 28' 40" E	260 m
Mangamitsano, grotte de (see Mangamitsano, cave), near RN12, between Bambao and Col de Patsi	Comoro Islands	12° 11' 22" S 44° 28' 40" E	260 m
Beliyela (see Belle Yella)	Liberia	7° 22' 35" N 9° 59' 54" W	261 m
Belle Yela (see Belle Yella)	Liberia	7° 22' 35" N 9° 59' 54" W	261 m
Belle Yella (see also: Beliyela, Belle Yela, Belleyellah, Belliyela, Belliyella)	Liberia	7° 22' 35" N 9° 59' 54" W	261 m
Belleyellah (see Belle Yella)	Liberia	7° 22' 35" N 9° 59' 54" W	261 m
Belliyela (see Belle Yella)	Liberia	7° 22' 35" N 9° 59' 54" W	261 m
Belliyella (see Belle Yella)	Liberia	7° 22' 35" N 9° 59' 54" W	261 m
Mubeza (see Muheza), Usambara Mountains	Tanzania	5° 10' 00" S 38° 47' 00" E	261 m
Muheza, Usambara Mountains (see also: Mubeza)	Tanzania	5° 10' 00" S 38° 47' 00" E	261 m
Nouna, Southwest San and Koudougou	Burkina Faso	12° 44' 00" N 3° 52' 00" W	261 m
Ongarou (see Ougarou)	Burkina Faso	12° 09' 16" N 0° 55' 47" W	261 m
Ouarou (see Ougarou)	Burkina Faso	12° 09' 16" N 0° 55' 47" W	261 m
Ougarou (see also: Ongarou, Ouarou, Waru)	Burkina Faso	12° 09' 16" N 0° 55' 47" W	261 m
Timboctú (see Tombouctou)	Mali	16° 46' 00" N 3° 01' 00" W	261 m
Timbuctoo (see Tombouctou)	Mali	16° 46' 00" N 3° 01' 00" W	261 m
Timbuctú (see Tombouctou)	Mali	16° 46' 00" N 3° 01' 00" W	261 m
Timbuktu (see Tombouctou)	Mali	16° 46' 00" N 3° 01' 00" W	261 m
Tombouctou (see also: Timboctú, Timbuctoo, Timbuctú, Timbuktu, Tombutu)	Mali	16° 46' 00" N 3° 01' 00" W	261 m
Tombutu (see Tombouctou)	Mali	16° 46' 00" N 3° 01' 00" W	261 m
Waru (see Ougarou)	Burkina Faso	12° 09' 16" N 0° 55' 47" W	261 m
Ofinso (see also: Ofinsu, Old Offinso)	Ghana	6° 54' 00" N 1° 39' 00" W	262 m
Ofinsu (see Ofinso)	Ghana	6° 54' 00" N 1° 39' 00" W	262 m
Old Offinso (see Ofinso)	Ghana	6° 54' 00" N 1° 39' 00" W	262 m
Dima, primary school	Comoro Islands	11° 53' 11" S 43° 24' 39" E	263 m
Niono	Mali	14° 15' 09" N 5° 59' 35" W	263 m
Bontioli	Burkina Faso	10° 53' 00" N 3° 04' 00" W	264 m
Dadome (see Dédomé)	Togo	7° 30' 00" N 0° 59' 00" E	265 m
Dédomé (see also: Dadome)	Togo	7° 30' 00" N 0° 59' 00" E	265 m
Mbemba	Tanzania	10° 03' 00" S 38° 31' 00" E	265 m
Oursi (see also: Oursy)	Burkina Faso	14° 40' 36" N 0° 27' 19" W	266 m
Oursy (see Oursi)	Burkina Faso	14° 40' 36" N 0° 27' 19" W	266 m
Bascho (see Basho)	Cameroon	6° 08' 00" N 9° 26' 00" E	267 m
Bashauo (see Basho)	Cameroon	6° 08' 00" N 9° 26' 00" E	267 m
Basho (see also: Bascho, Bashauo)	Cameroon	6° 08' 00" N 9° 26' 00" E	267 m
Samayé, on banks of Niger	Mali	14° 00' 00" N 4° 44' 00" W	267 m
Kware, 12 mi [=19 km] N Sokoto (see also: Sokoto, 12 mi [=19 km] N)	Nigeria	13° 13' 05" N 5° 16' 02" E	268 m
Natiaboani	Burkina Faso	11° 41' 57" N 0° 30' 22" E	268 m
Sokoto, 12 mi [=19 km] N (see Kware)	Nigeria	13° 13' 05" N 5° 16' 02" E	268 m
Toguéré-Coumbé (see Toguéré-Koumbé)	Mali	14° 55' 01" N 4° 35' 41" W	268 m
Toguéré-Koumbé (see also: Toguéré-Coumbé)	Mali	14° 55' 01" N 4° 35' 41" W	268 m
Ahinkrom (see Dormaa Ahenkro)	Ghana	7° 17' 00" N 2° 53' 00" W	269 m
Dormaa Ahenkro (see also: Ahinkrom, Pamu)	Ghana	7° 17' 00" N 2° 53' 00" W	269 m
Pamu (see Dormaa Ahenkro)	Ghana	7° 17' 00" N 2° 53' 00" W	269 m
Atâr	Mauritania	20° 25' 38" N 13° 03' 54" W	270 m
Finza (see Founzan)	Burkina Faso	11° 27' 00" N 3° 14' 00" W	270 m
Fonzan (see Founzan)	Burkina Faso	11° 27' 00" N 3° 14' 00" W	270 m
Fort Brown Police Station, 19.9 km N, 8.6 km E Grahamstown (see also: Grahamstown, 19.9 km N, 8.6 km E)	South Africa	33° 07' 49" S 26° 37' 05" E	270 m
Founzan (see also: Finza, Fonzan, Fouzan)	Burkina Faso	11° 27' 00" N 3° 14' 00" W	270 m
Fouzan (see Founzan)	Burkina Faso	11° 27' 00" N 3° 14' 00" W	270 m
Grahamstown, 19.9 km N, 8.6 km E (see Fort Brown Police Station)	South Africa	33° 07' 49" S 26° 37' 05" E	270 m

Grotte de Hapira (see Hapira cave), near Limbi along Trondroni River	Comoro Islands		12° 09' 32" S 44° 25' 57" E	270 m
Hapira cave, near Limbi along Trondroni River (see also: Grotte de Hapira, Hapira, grotte de)	Comoro Islands		12° 09' 32" S 44° 25' 57" E	270 m
Hapira, grotte de (see Hapira cave), near Limbi along Trondroni River	Comoro Islands		12° 09' 32" S 44° 25' 57" E	270 m
Dialagou	Mali		14° 32' 02" N 4° 07' 57" W	271 m
Duékoué (see also: Duekoue)	Côte d'Ivoire		6° 44' 17" N 7° 20' 35" W	271 m
Duekoue (see Duékoué)	Côte d'Ivoire		6° 44' 17" N 7° 20' 35" W	271 m
Fashoda, near (see Kodok, near), Malakal district	South Sudan		9° 53' 00" N 32° 07' 00" E	271 m
Fort Fureau (see Kousséri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
Fort-Foureau (see Kousséri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
Kodak, near (see Kodok, near), Malakal district	South Sudan		9° 53' 00" N 32° 07' 00" E	271 m
Kodok, near, Malakal district (see also: Fashoda, near, Kodak, near)	South Sudan		9° 53' 00" N 32° 07' 00" E	271 m
Kousri (see Kousséri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
Kousséri (see also: Fort Fureau, Fort-Foureau, Kousri, Koussri, Kusseri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
Koussri (see Kousséri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
Kusseri (see Kousséri)	Cameroon		12° 04' 37" N 15° 01' 50" E	271 m
Malelane (see also: Malelane Estate, Malelane Old Mine Shaft)	South Africa		25° 29' 00" S 31° 31' 00" E	271 m
Malelane Estate (see Malelane), Barberton district	South Africa		25° 29' 00" S 31° 31' 00" E	271 m
Malelane Old Mine Shaft (see Malelane)	South Africa		25° 29' 00" S 31° 31' 00" E	271 m
Socoto (see Sokoto)	Nigeria		13° 03' 05" N 5° 13' 53" E	272 m
Sokoto (see also: Socoto)	Nigeria		13° 03' 05" N 5° 13' 53" E	272 m
Djenné (see also: Djenne, Djénne)	Mali		13° 54' 16" N 4° 33' 36" W	273 m
Djenne (see Djenné)	Mali		13° 54' 16" N 4° 33' 36" W	273 m
Djénne (see Djenné)	Mali		13° 54' 16" N 4° 33' 36" W	273 m
Maïlao	Chad		11° 34' 59" N 15° 16' 53" E	273 m
Al Abyar (see also: Al Abyar, Alabia, El Abiar, Madirat al Abyar)	Libya		32° 11' 25" N 20° 35' 45" E	274 m
Al Abyar (see Al Abyar)	Libya		32° 11' 25" N 20° 35' 45" E	274 m
Alabia (see Al Abyar)	Libya		32° 11' 25" N 20° 35' 45" E	274 m
Donqla al 'Ajuz (see Dunqulah al Qadimah)	Sudan		18° 13' 00" N 30° 45' 00" E	274 m
Dunqulah al 'Ajuz (see Dunqulah al Qadimah)	Sudan		18° 13' 00" N 30° 45' 00" E	274 m
Dunqulah al Qadimah (see also: Donqla al 'Ajuz, Dunqulah al 'Ajuz, Old Dongola)	Sudan		18° 13' 00" N 30° 45' 00" E	274 m
El Abiar (see Al Abyar)	Libya		32° 11' 25" N 20° 35' 45" E	274 m
Madirat al Abyar (see Al Abyar)	Libya		32° 11' 25" N 20° 35' 45" E	274 m
Old Dongola (see Dunqulah al Qadimah)	Sudan		18° 13' 00" N 30° 45' 00" E	274 m
Paradise Valley Nature Reserve	South Africa		29° 48' 00" S 30° 53' 00" E	274 m
Tchien (see Zwedru)	Liberia		6° 04' 00" N 8° 07' 41" W	274 m
Zwadhru (see Zwedru)	Liberia		6° 04' 00" N 8° 07' 41" W	274 m
Zwedru (see also: Tchien, Zwadhru)	Liberia		6° 04' 00" N 8° 07' 41" W	274 m
Bungeli, near (see Bungweli, near)	Ghana	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Bungueli, near (see Bungweli, near)	Ghana	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Bungweli, near (see also: Bungeli, near, Bungueli, near)	Ghana	ca.	9° 42' 50" N 1° 53' 31" W	ca. 275 m
Foro Foro	Côte d'Ivoire		7° 59' 18" N 5° 03' 54" W	275 m
Marawi (see also: Merawi, Merowe)	Sudan		18° 29' 00" N 31° 49' 00" E	275 m
Merawi (see Marawi)	Sudan		18° 29' 00" N 31° 49' 00" E	275 m
Merowe (see Marawi)	Sudan		18° 29' 00" N 31° 49' 00" E	275 m
Mopti, on Niger river	Mali		14° 30' 00" N 4° 12' 00" W	275 m
Tapeta (see Ding River)	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Tapi Town (see Ding River)	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Tapita	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Tappi (see Ding River)	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Tappita (see Ding River)	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Tappitown (see Ding River)	Liberia		6° 29' 32" N 8° 51' 37" W	275 m
Abu Doleb (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		9° 21' 35" N 31° 36' 03" E	276 m
Doleb (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		9° 21' 35" N 31° 36' 03" E	276 m
Doleib Hill (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan		9° 21' 35" N 31° 36' 03" E	276 m
Dulayb, Bahr-el-Abiad, Malakal district (see also: Abu Doleb, Doleb, Doleib Hill, Tatuga)	South Sudan		9° 21' 35" N 31° 36' 03" E	276 m
Malakal (see also: Malakal)	South Sudan		9° 32' 13" N 31° 39' 22" E	276 m

Malakal (see Malakal)	South Sudan	9° 32' 13" N 31° 39' 22" E	276 m
Tatuga (see Dulayb), Bahr-el-Abiad, Malakal district	South Sudan	9° 21' 35" N 31° 36' 03" E	276 m
Taufikia (see Tawfiqiyah)	South Sudan	9° 25' 54" N 31° 37' 46" E	276 m
Tawfiqiyah (see also: Taufikia, Tawfiqiyya)	South Sudan	9° 25' 54" N 31° 37' 46" E	276 m
Tawfiqiyya (see Tawfiqiyah)	South Sudan	9° 25' 54" N 31° 37' 46" E	276 m
Yankari	Nigeria	9° 36' 00" N 10° 40' 00" E	276 m
Benzale	Congo (Democratic Republic of the)	4° 08' 00" S 16° 40' 00" E	277 m
Aïn Salah (see I-n-Salah)	Algeria	27° 11' 00" N 2° 29' 00" E	279 m
Baga-Kawa, Lake Tchad	Nigeria	13° 05' 39" N 13° 49' 19" E	279 m
In Saleh (see I-n-Salah)	Algeria	27° 11' 00" N 2° 29' 00" E	279 m
I-n-Salah (see also: Aïn Salah, In Saleh)	Algeria	27° 11' 00" N 2° 29' 00" E	279 m
Irtou	Chad	13° 19' 00" N 15° 10' 00" E	279 m
Hlane National Park	Swaziland	26° 16' 00" S 31° 53' 00" E	280 m
Nammjoni (see Namoundjoga)	Togo	10° 53' 26" N 0° 23' 59" E	280 m
Namoudjogo (see Namoundjoga)	Togo	10° 53' 26" N 0° 23' 59" E	280 m
Namoundjoga (see also: Nammjoni, Namoudjogo, Namouyogo, Namunjogo)	Togo	10° 53' 26" N 0° 23' 59" E	280 m
Namouyogo (see Namoundjoga)	Togo	10° 53' 26" N 0° 23' 59" E	280 m
Namunjogo (see Namoundjoga)	Togo	10° 53' 26" N 0° 23' 59" E	280 m
Ndlovu Camp	Swaziland	26° 15' 35" S 31° 52' 37" E	280 m
Beno, near Banningville (Bandungu)	Congo (Democratic Republic of the)	3° 37' 00" S 17° 48' 00" E	281 m
Diomga (see also: Dionga)	Burkina Faso	14° 04' 00" N 0° 03' 00" W	281 m
Dionga (see Diomga)	Burkina Faso	14° 04' 00" N 0° 03' 00" W	281 m
Kadjebi (see Kadjiebi)	Ghana	7° 32' 00" N 0° 28' 00" E	281 m
Kadjiebi (see also: Kadjebi, Kagyebi, Kajiebi)	Ghana	7° 32' 00" N 0° 28' 00" E	281 m
Kagyebi (see Kadjiebi)	Ghana	7° 32' 00" N 0° 28' 00" E	281 m
Kajiebi (see Kadjiebi)	Ghana	7° 32' 00" N 0° 28' 00" E	281 m
Akrochire, 38 mi [=61 km] NE Kumasi (see also: Akrokyere, Kumasi, 38 mi [=61 km] NE)	Ghana	6° 56' 00" N 1° 20' 00" W	282 m
Akrokyere (see Akrochire), 38 mi [=61 km] NE Kumasi	Ghana	6° 56' 00" N 1° 20' 00" W	282 m
Blodi (see also: Blody)	Côte d'Ivoire	6° 47' 02" N 7° 17' 37" W	282 m
Blody (see Blodi)	Côte d'Ivoire	6° 47' 02" N 7° 17' 37" W	282 m
Kumasi, 38 mi [=61 km] NE (see Akrochire)	Ghana	6° 56' 00" N 1° 20' 00" W	282 m
Pongola, 9 Jan Kemlaan	South Africa	27° 23' 00" S 31° 37' 00" E	284 m
Batete, near Luba (see also: Claret de Batete)	Equatorial Guinea	3° 26' 36" N 8° 30' 18" E	285 m
Claret de Batete (see Batete)	Equatorial Guinea	3° 26' 36" N 8° 30' 18" E	285 m
Kibata	Tanzania	8° 28' 00" S 38° 59' 00" E	285 m
Lukolela	Congo (Democratic Republic of the)	1° 03' 00" S 17° 12' 00" E	285 m
Banga (see Gbanka)	Liberia	7° 16' 40" N 10° 03' 49" W	287 m
Bangah (see Gbanka)	Liberia	7° 16' 40" N 10° 03' 49" W	287 m
Doropo	Côte d'Ivoire	9° 49' 00" N 3° 20' 00" W	287 m
Gbanga (see Gbanka)	Liberia	7° 16' 40" N 10° 03' 49" W	287 m
Gbangha (see Gbanka)	Liberia	7° 16' 40" N 10° 03' 49" W	287 m
Gbanka (see also: Banga, Bangah, Gbanga, Gbangha)	Liberia	7° 16' 40" N 10° 03' 49" W	287 m
Mazeras	Kenya	3° 58' 00" S 39° 33' 00" E	287 m
Barombi Fishing Village	Cameroon	4° 39' 00" N 9° 24' 00" E	288 m
Barombi-Mbo Lake shore, 46 mi [=74 km] ???	Cameroon	4° 40' 28" N 9° 23' 23" E	288 m
Kintampo	Ghana	8° 03' 00" N 1° 43' 00" W	288 m
Yau, Yobe river [near lake Chad] (see also: Yo)	Nigeria	13° 33' 00" N 13° 14' 00" E	288 m
Yo (see Yau), Yobe river [near lake Chad]	Nigeria	13° 33' 00" N 13° 14' 00" E	288 m
Ambondromifehy, 10.5 km NE (see Matsaborimadio, at edge of), Andavaka Matsaborimadio	Madagascar	12° 48' 38" S 49° 15' 15" E	290 m
Asubengya (see Subinja), 2 mi E Wenchi	Ghana	7° 44' 00" N 2° 04' 00" W	290 m
Ayamiken (see also: Aya'miteng)	Equatorial Guinea	2° 06' 41" N 10° 01' 20" E	290 m
Aya'miteng (see Ayamiken)	Equatorial Guinea	2° 06' 41" N 10° 01' 20" E	290 m
Darling, 3.3 km S, 0.1 km E (see Farm Drie Papen Fontein 576)	South Africa	33° 24' 21" S 18° 22' 56" E	290 m
Drie Papen Fontein, Farm 576 (see Farm Drie Papen Fontein 576)	South Africa	33° 24' 21" S 18° 22' 56" E	290 m
Farm 576 (Drie Papen Fontein) (see Farm Drie Papen Fontein 576)	South Africa	33° 24' 21" S 18° 22' 56" E	290 m

Farm Drie Papen Fontein 576, 3.3 km S, 0.1 km E Darling (see also: Darling, 3.3 km S, 0.1 km E, Drie Papen Fontein, Farm 576, Farm 576 (Drie Papen Fontein))	South Africa	33° 24' 21" S 18° 22' 56" E	290 m
Matsaborimadio, at edge of, 10.5 km NE Ambondromifehy, Andavaka Matsaborimadio (see also: Ambondromifehy, 10.5 km NE)	Madagascar	12° 48' 38" S 49° 15' 15" E	290 m
Mossaka (see also: Mossake, Village Mossake)	Congo	1° 12' 51" S 16° 47' 39" E	290 m
Mossake (see Mossaka)	Congo	1° 12' 51" S 16° 47' 39" E	290 m
Nshongweni (see Ntshongweni Dam)	South Africa	29° 51' 00" S 30° 42' 36" E	290 m
Nshongweni Dam (see Ntshongweni Dam)	South Africa	29° 51' 00" S 30° 42' 36" E	290 m
Ntshongweni Dam (see also: Nshongweni, Nshongweni Dam , Shongweni , Shongweni Dam)	South Africa	29° 51' 00" S 30° 42' 36" E	290 m
Shongweni (see Ntshongweni Dam)	South Africa	29° 51' 00" S 30° 42' 36" E	290 m
Shongweni Dam (see Ntshongweni Dam)	South Africa	29° 51' 00" S 30° 42' 36" E	290 m
Subinagya (see Subinja), 2 mi E Wenchi	Ghana	7° 44' 00" N 2° 04' 00" W	290 m
Subinja, 2 mi [=3 km] E Wenchi (see also: Asubengya, Subinagya)	Ghana	7° 44' 00" N 2° 04' 00" W	290 m
Village Mossake (see Mossaka)	Congo	1° 12' 51" S 16° 47' 39" E	290 m
Kisaki (see also: Kisaki Fort, Kissaki)	Tanzania	7° 28' 00" S 37° 36' 00" E	292 m
Kisaki Fort (see Kisaki)	Tanzania	7° 28' 00" S 37° 36' 00" E	292 m
Kissaki (see Kisaki)	Tanzania	7° 28' 00" S 37° 36' 00" E	292 m
Bechem	Ghana	7° 05' 00" N 2° 02' 00" W	293 m
Léré	Chad	9° 37' 16" N 14° 13' 49" E	293 m
Assa (see also: Zaouia Assa)	Morocco	28° 36' 00" N 9° 25' 12" W	294 m
Fada N'Gourma (see also: Fada Ngourma, Fada-n-Gurma)	Burkina Faso	12° 03' 44" N 0° 21' 28" E	294 m
Fada Ngourma (see Fada N'Gourma)	Burkina Faso	12° 03' 44" N 0° 21' 28" E	294 m
Fada-n-Gurma (see Fada N'Gourma)	Burkina Faso	12° 03' 44" N 0° 21' 28" E	294 m
Ganda (see Ganda-Sundi)	Congo (Democratic Republic of the)	4° 52' 00" S 12° 52' 00" E	294 m
Ganda-Sundi (see also: Ganda)	Congo (Democratic Republic of the)	4° 52' 00" S 12° 52' 00" E	294 m
Kimpoko (see Kimpoko-Nsele)	Congo (Democratic Republic of the)	4° 14' 04" S 15° 33' 01" E	294 m
Kimpoko-Nsele (see also: Kimpoko, Nsele)	Congo (Democratic Republic of the)	4° 14' 04" S 15° 33' 01" E	294 m
Maidiguri (see Maiduguri)	Nigeria	11° 50' 42" N 13° 09' 36" E	294 m
Maidugari (see Maiduguri)	Nigeria	11° 50' 42" N 13° 09' 36" E	294 m
Maiduguri (see also: Maidiguri, Maidugari, Maiduguru)	Nigeria	11° 50' 42" N 13° 09' 36" E	294 m
Maiduguru (see Maiduguri)	Nigeria	11° 50' 42" N 13° 09' 36" E	294 m
Nassarawa (see also: Nassarawa)	Nigeria	8° 31' 46" N 7° 43' 27" E	294 m
Nassarawa (see Nassarawa)	Nigeria	8° 31' 46" N 7° 43' 27" E	294 m
Nsele (see Kimpoko-Nsele)	Congo (Democratic Republic of the)	4° 14' 04" S 15° 33' 01" E	294 m
Zaouia Assa (see Assa)	Morocco	28° 36' 00" N 9° 25' 12" W	294 m
Nayouré (see also: Nayouri, Nayuri)	Burkina Faso	12° 16' 00" N 0° 15' 00" E	296 m
Nayouri (see Nayouré)	Burkina Faso	12° 16' 00" N 0° 15' 00" E	296 m
Nayuri (see Nayouré)	Burkina Faso	12° 16' 00" N 0° 15' 00" E	296 m
Capsa (see Gafsa)	Tunisia	34° 25' 30" N 8° 47' 03" E	297 m
Gafsa (see also: Capsa, Gafso, Justiniania, Kafsa, Kaphza, Qafsah)	Tunisia	34° 25' 30" N 8° 47' 03" E	297 m
Gafso (see Gafsa)	Tunisia	34° 25' 30" N 8° 47' 03" E	297 m
Justiniania (see Gafsa)	Tunisia	34° 25' 30" N 8° 47' 03" E	297 m
Kafsa (see Gafsa)	Tunisia	34° 25' 30" N 8° 47' 03" E	297 m
Kaphza (see Gafsa)	Tunisia	34° 25' 30" N 8° 47' 03" E	297 m
Qafsah (see Gafsa)	Tunisia	34° 25' 30" N 8° 47' 03" E	297 m
Fort-Lamy (see N'Djamena)	Chad	12° 06' 47" N 15° 02' 57" E	298 m
Lamy (see N'Djamena)	Chad	12° 06' 47" N 15° 02' 57" E	298 m
N'Djamena (see also: Fort Lamy, Fort-Lamy, Lamy, Ndjemena)	Chad	12° 06' 47" N 15° 02' 57" E	298 m
Ndjemena (see N'Djamena)	Chad	12° 06' 47" N 15° 02' 57" E	298 m
Arusu (see also: Arusua)	Nigeria	8° 42' 00" N 8° 09' 00" E	299 m
Danfina (see Samaya)	Mali	12° 32' 58" N 8° 03' 19" W	299 m
Fadugu	Sierra Leone	9° 23' 00" N 11° 46' 00" W	299 m

Samaya (see also: Danfina)	Mali		12° 32' 58" N 8° 03' 19" W	299 m
Aburi (see also: Aburi)	Ghana		5° 51' 00" N 0° 11' 00" W	300 m
Aburi Botanic Garden	Ghana		5° 51' 00" N 0° 11' 00" W	300 m
Alicedale	South Africa		33° 18' 00" S 26° 05' 00" E	300 m
Barranco de La Cantera	Canary Islands (Spain)		28° 22' 00" N 16° 39' 00" W	300 m
Bipindi, 10 km W	Cameroon		3° 05' 00" N 10° 25' 00" E	ca. 300 m
Boussouma, 5 km N	Burkina Faso		12° 55' 00" N 1° 05' 00" W	ca. 300 m
Diebougou (Airport)	Burkina Faso		10° 57' 00" N 3° 15' 00" W	300 m
Gorgadji, 17 km E	Burkina Faso		14° 02' 00" N 0° 22' 00" W	ca. 300 m
Gudi, 3 mi [=4.8 km] E, on Mada river	Nigeria	ca.	8° 53' 00" N 8° 16' 00" E	ca. 300 m
Kianjavato, 0.5 km N	Madagascar		21° 23' 00" S 47° 52' 00" E	300 m
Koutoura, 5 km SW	Burkina Faso		10° 19' 00" N 4° 53' 00" W	ca. 300 m
Montagu Mountain Reserve, 2 km N, 3 km W Montagu (see also: Montagu, 2 km N, 3 km W)	South Africa		33° 46' 00" S 20° 05' 00" E	300 m
Montagu, 2 km N, 3 km W (see Montagu Mountain Reserve)	South Africa		33° 46' 00" S 20° 05' 00" E	300 m
Peddie	South Africa		33° 12' 00" S 27° 07' 00" E	300 m
Tumu area	Ghana	ca.	10° 53' 00" N 1° 59' 00" W	ca. 300 m

301 - 400 m:

Andranohinalahy (see Andranohinaly)	Madagascar	23° 17' 00" S 43° 59' 00" E	301 m
Andranohinaly (see also: Andranohinalahy)	Madagascar	23° 17' 00" S 43° 59' 00" E	301 m
Eala	Congo (Democratic Republic of the)	0° 04' 00" N 18° 17' 00" E	301 m
Ikange (see Ikengo)	Congo (Democratic Republic of the)	0° 08' 00" S 18° 08' 00" E	301 m
Ikenge (see Ikengo)	Congo (Democratic Republic of the)	0° 08' 00" S 18° 08' 00" E	301 m
Ikengo (see also: Ikange, Ikenge)	Congo (Democratic Republic of the)	0° 08' 00" S 18° 08' 00" E	301 m
Korogwe (see also: Nkologwe)	Tanzania	5° 09' 00" S 38° 29' 00" E	301 m
Nkologwe (see Korogwe)	Tanzania	5° 09' 00" S 38° 29' 00" E	301 m
Douna	Côte d'Ivoire	8° 05' 33" N 6° 32' 35" W	302 m
Oban	Nigeria	5° 19' 00" N 8° 34' 00" E	302 m
Tshaneni Iysis Ranch	Swaziland	25° 58' 00" S 31° 43' 00" E	302 m
Bangmo (see Bangwon)	Ghana	10° 58' 00" N 2° 41' 00" W	303 m
Bangwon (see also: Bangmo)	Ghana	10° 58' 00" N 2° 41' 00" W	303 m
Furnas, Lagoa das (see also: Furnas, lake, Lake Furnas)	Azores [Portugal]	37° 45' 00" N 25° 20' 00" W	303 m
Furnas, lake (see Furnas, Lagoa das)	Azores [Portugal]	37° 45' 00" N 25° 20' 00" W	303 m
Kwale	Kenya	4° 11' 00" S 39° 27' 00" E	303 m
Lake Furnas (see Furnas, Lagoa das)	Azores [Portugal]	37° 45' 00" N 25° 20' 00" W	303 m
Nanergou	Togo	10° 55' 00" N 0° 09' 00" E	303 m
Niakarama Kaha (see Niakaramandougou)	Côte d'Ivoire	8° 40' 00" N 5° 17' 00" W	303 m
Niakaramadougou (see Niakaramandougou)	Côte d'Ivoire	8° 40' 00" N 5° 17' 00" W	303 m
Niakaramandougou (see also: Niakarama Kaha, Niakaramadougou, Niankaramadugu, Niankaramandougou)	Côte d'Ivoire	8° 40' 00" N 5° 17' 00" W	303 m
Niankaramadugu (see Niakaramandougou)	Côte d'Ivoire	8° 40' 00" N 5° 17' 00" W	303 m
Niankaramandougou (see Niakaramandougou)	Côte d'Ivoire	8° 40' 00" N 5° 17' 00" W	303 m
Perisi (see Pirisi)	Ghana	10° 07' 00" N 2° 27' 00" W	303 m
Pétoy (see Pétoye)	Burkina Faso	14° 35' 00" N 0° 22' 00" W	303 m
Pétoye (see also: Pétoy)	Burkina Faso	14° 35' 00" N 0° 22' 00" W	303 m
Pirisi (see also: Perisi)	Ghana	10° 07' 00" N 2° 27' 00" W	303 m
Sweaken (see also: Yega Town)	Liberia	5° 23' 04" N 7° 57' 07" W	303 m
Teaye (see Tiayie)	Liberia	7° 03' 00" N 9° 04' 00" W	303 m
Teayee (see Tiayie)	Liberia	7° 03' 00" N 9° 04' 00" W	303 m
Teayi (see Tiayie)	Liberia	7° 03' 00" N 9° 04' 00" W	303 m
Tiayi (see Tiayie)	Liberia	7° 03' 00" N 9° 04' 00" W	303 m
Tiayie (see also: Teaye, Teayee, Teayi, Tiayi)	Liberia	7° 03' 00" N 9° 04' 00" W	303 m
Wenchi	Ghana	7° 44' 00" N 2° 06' 00" W	303 m
Yega Town (see Sweaken)	Liberia	5° 23' 04" N 7° 57' 07" W	303 m
Zamah (see Zomai)	Liberia	7° 36' 56" N 9° 37' 53" W	303 m
Zomah (see Zomai)	Liberia	7° 36' 56" N 9° 37' 53" W	303 m

Zomai (see also: Zamah, Zomah, Zormai, Zuormai)	Liberia	7° 36' 56" N 9° 37' 53" W	303 m
Zormai (see Zomai)	Liberia	7° 36' 56" N 9° 37' 53" W	303 m
Zuormai (see Zomai)	Liberia	7° 36' 56" N 9° 37' 53" W	303 m
Boulzanga (see Bourzanga)	Burkina Faso	13° 40' 41" N 1° 32' 46" W	304 m
Bourzanga (see also: Boulzanga, Bourzenga)	Burkina Faso	13° 40' 41" N 1° 32' 46" W	304 m
Bourzenga (see Bourzanga)	Burkina Faso	13° 40' 41" N 1° 32' 46" W	304 m
Guemé (see also: Guené)	Cameroon	10° 30' 30" N 15° 09' 31" E	304 m
Guené (see Guemé)	Cameroon	10° 30' 30" N 15° 09' 31" E	304 m
Oulo	Burkina Faso	11° 54' 00" N 2° 59' 00" W	304 m
Sidéradougou (see also: Siradougou)	Burkina Faso	10° 40' 00" N 4° 15' 00" W	304 m
Siradougou (see Sidéradougou)	Burkina Faso	10° 40' 00" N 4° 15' 00" W	304 m
Tangaza	Nigeria	13° 22' 00" N 4° 56' 00" E	304 m
Lufubu River, Kaputa	Zambia	8° 40' 00" S 29° 30' 00" E	305 m
Mfuwe Game Camp	Zambia	13° 05' 00" S 31° 47' 00" E	305 m
Ouagadouga (see Ouagadougou)	Burkina Faso	12° 22' 13" N 1° 31' 29" W	305 m
Ouagadougou (see also: Ouagadouga, Wagadugu)	Burkina Faso	12° 22' 13" N 1° 31' 29" W	305 m
Shimba hills (see also: Chale plateau)	Kenya	4° 13' 00" S 39° 25' 00" E	305 m
Tutu	Ghana	5° 53' 00" N 0° 09' 00" W	305 m
Wagadugu (see Ouagadougou)	Burkina Faso	12° 22' 13" N 1° 31' 29" W	305 m
Bandaka (see also: Cocquilhatville, Coquilhalville, Coquilhatstad, Coquilhatville, Wangata)	Congo (Democratic Republic of the)	0° 04' 00" N 18° 16' 00" E	306 m
Cocquilhatville (see Bandaka)	Congo (Democratic Republic of the)	0° 04' 00" N 18° 16' 00" E	306 m
Coquilhalville (see Bandaka)	Congo (Democratic Republic of the)	0° 04' 00" N 18° 16' 00" E	306 m
Coquilhatstad (see Bandaka)	Congo (Democratic Republic of the)	0° 04' 00" N 18° 16' 00" E	306 m
Coquilhatville (see Bandaka)	Congo (Democratic Republic of the)	0° 04' 00" N 18° 16' 00" E	306 m
Dapango (see Dapaong)	Togo	10° 51' 50" N 0° 12' 18" E	306 m
Dapaong (see also: Dapango, Dapong)	Togo	10° 51' 50" N 0° 12' 18" E	306 m
Dapong (see Dapaong)	Togo	10° 51' 50" N 0° 12' 18" E	306 m
Mbandaka	Congo (Democratic Republic of the)	0° 04' 00" N 18° 16' 00" E	306 m
Pulima	Ghana	10° 51' 00" N 2° 03' 00" W	306 m
Wangata (see Bandaka)	Congo (Democratic Republic of the)	0° 04' 00" N 18° 16' 00" E	306 m
Abanase (see Avetile)	Ghana	6° 32' 00" N 0° 14' 00" E	307 m
Abanasi (see Avetile)	Ghana	6° 32' 00" N 0° 14' 00" E	307 m
Avetile (see also: Abanase, Abanasi, Peki Aventile)	Ghana	6° 32' 00" N 0° 14' 00" E	307 m
Bokala	Congo (Democratic Republic of the)	3° 07' 00" S 17° 02' 00" E	307 m
Goulimine (see Guelmim), Drâ area	Morocco	28° 59' 02" N 10° 03' 37" W	307 m
Guelmim, Drâ area (see also: Goulimine)	Morocco	28° 59' 02" N 10° 03' 37" W	307 m
Leverstad (see Lusanga)	Congo (Democratic Republic of the)	4° 50' 00" S 18° 44' 00" E	307 m
Leverville (see Lusanga)	Congo (Democratic Republic of the)	4° 50' 00" S 18° 44' 00" E	307 m
Lusanga (see also: Leverstad, Leverville)	Congo (Democratic Republic of the)	4° 50' 00" S 18° 44' 00" E	307 m
Peki Aventile (see Avetile)	Ghana	6° 32' 00" N 0° 14' 00" E	307 m
Callis (see Kalis)	Somalia	8° 26' 00" N 49° 05' 00" E	308 m
Goden	Burkina Faso	12° 12' 00" N 2° 04' 00" W	308 m
Il Marodi (see Kalis)	Somalia	8° 26' 00" N 49° 05' 00" E	308 m
Jaoudi	Liberia	6° 06' 47" N 8° 36' 00" W	308 m
Jarwondee	Liberia	6° 06' 47" N 8° 36' 00" W	308 m
Jawodi	Liberia	6° 06' 47" N 8° 36' 00" W	308 m
Kalis (see also: Callis, Il Marodi)	Somalia	8° 26' 00" N 49° 05' 00" E	308 m
Keseki (see also: Kesiki)	Congo (Democratic Republic of the)	2° 07' 00" S 16° 32' 00" E	308 m
Kesiki (see Keseki)	Congo (Democratic Republic of the)	2° 07' 00" S 16° 32' 00" E	308 m
Kong	Côte d'Ivoire	9° 09' 00" N 4° 37' 00" W	308 m
Makokou, Lower Ivindo (see also: Makokou Fortifié)	Gabon	0° 34' 00" N 12° 52' 00" E	308 m

Makokou Fortifié (see Makokou)	Gabon	0° 34' 00" N 12° 52' 00" E	308 m
Utengule (see also: Utenguli)	Tanzania	8° 57' 00" S 35° 50' 00" E	308 m
Utenguli (see Utengule)	Tanzania	8° 57' 00" S 35° 50' 00" E	308 m
Inhaminga	Mozambique	18° 24' 13" S 34° 59' 45" E	309 m
Kani (see Manigri)	Benin	8° 58' 21" N 1° 43' 27" E	309 m
Manigri (see also: Kani)	Benin	8° 58' 21" N 1° 43' 27" E	309 m
Afon	Nigeria	8° 19' 00" N 4° 32' 00" E	310 m
Camp Thorel Cave	Mauritius	20° 12' 56" S 57° 37' 14" E	310 m
Badalabougou (see also: Badalabougou, quarter, Quartier de Badalabougou)	Mali	12° 37' 25" N 7° 59' 02" W	311 m
Badalabougou, quarter (see Badalabougou)	Mali	12° 37' 25" N 7° 59' 02" W	311 m
Quartier de Badalabougou (see Badalabougou)	Mali	12° 37' 25" N 7° 59' 02" W	311 m
Tourou	Benin	9° 21' 00" N 2° 33' 00" E	311 m
Bouaké (see also: Bwake)	Côte d'Ivoire	7° 41' 00" N 5° 01' 59" W	312 m
Bwake (see Bouaké)	Côte d'Ivoire	7° 41' 00" N 5° 01' 59" W	312 m
Gambaga	Ghana	10° 32' 00" N 0° 26' 32" W	312 m
Gammouda valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia	35° 02' 25" N 9° 29' 37" E	312 m
Kinzambi mission, near Kikwit (see also: Mission de Kinzambi)	Congo (Democratic Republic of the)	4° 58' 38" S 18° 46' 28" E	312 m
Mission de Kinzambi (see Kinzambi mission)	Congo (Democratic Republic of the)	4° 58' 38" S 18° 46' 28" E	312 m
Ouango Fetini (see Ouangofétini)	Côte d'Ivoire	9° 34' 00" N 4° 03' 00" W	312 m
Ouangofétini (see also: Ouango Fetini)	Côte d'Ivoire	9° 34' 00" N 4° 03' 00" W	312 m
Ouangofétini	Côte d'Ivoire	9° 34' 00" N 4° 03' 00" W	312 m
Qamudah valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia	35° 02' 25" N 9° 29' 37" E	312 m
Sidi Bou Zid valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia	35° 02' 25" N 9° 29' 37" E	312 m
Sidi Bouzid valley, Bni Snassene massive (see also: Gammouda valley, Qamudah valley, Sidi Bou Zid valley, Sidi Bu Zayd valley)	Tunisia	35° 02' 25" N 9° 29' 37" E	312 m
Sidi Bu Zayd valley (see Sidi Bouzid valley), Bni Snassene massive	Tunisia	35° 02' 25" N 9° 29' 37" E	312 m
Abol (see Oboul), on Ghilo river	Ethiopia	7° 42' 00" N 34° 06' 00" E	313 m
Jágua (see Yagoua)	Cameroon	10° 20' 34" N 15° 14' 26" E	313 m
Oboul, on Ghilo river (see also: Abol)	Ethiopia	7° 42' 00" N 34° 06' 00" E	313 m
Yagoua (see also: Jágua, Yagua)	Cameroon	10° 20' 34" N 15° 14' 26" E	313 m
Yagua (see Yagoua)	Cameroon	10° 20' 34" N 15° 14' 26" E	313 m
Magoe Velho (see also: Màgoé Velho, Mágué, Magüè Velho)	Mozambique	15° 41' 37" S 31° 40' 56" E	315 m
Màgoé Velho (see Magoe Velho)	Mozambique	15° 41' 37" S 31° 40' 56" E	315 m
Mágué (see Magoe Velho)	Mozambique	15° 41' 37" S 31° 40' 56" E	315 m
Magüè Velho (see Magoe Velho)	Mozambique	15° 41' 37" S 31° 40' 56" E	315 m
Makaw	Congo (Democratic Republic of the)	3° 29' 00" S 18° 19' 00" E	315 m
Ebogo, 10 km SW Mbalmayo	Cameroon	3° 24' 00" N 11° 28' 00" E	316 m
Koumbia (see also: Kumbia)	Burkina Faso	11° 14' 00" N 3° 42' 00" W	317 m
Kumbia (see Koumbia)	Burkina Faso	11° 14' 00" N 3° 42' 00" W	317 m
Mitondo (see also: Mtondo)	Malawi	16° 17' 00" S 35° 04' 00" E	317 m
Mtondo (see Mitondo)	Malawi	16° 17' 00" S 35° 04' 00" E	317 m
Tomegbé	Togo	7° 31' 00" N 0° 36' 00" E	319 m
Wangala Station (see Wangala)	Kenya	3° 36' 08" S 38° 49' 52" E	320 m
Bouna (see also: Buna)	Côte d'Ivoire	9° 16' 00" N 3° 00' 00" W	321 m
Buna (see Bouna)	Côte d'Ivoire	9° 16' 00" N 3° 00' 00" W	321 m
Tahaneni (see Tshaneni)	Swaziland	25° 59' 00" S 31° 43' 00" E	321 m
Tshaneni (see also: Tahaneni, T'shaneni)	Swaziland	25° 59' 00" S 31° 43' 00" E	321 m
T'shaneni (see Tshaneni)	Swaziland	25° 59' 00" S 31° 43' 00" E	321 m
Waza (see also: Waza Lareski)	Cameroon	11° 23' 41" N 14° 34' 09" E	321 m
Waza Lareski (see Waza)	Cameroon	11° 23' 41" N 14° 34' 09" E	321 m
Chichaoua, Rif (see also: Chichaua, Mzala Chichaoua)	Morocco	31° 32' 40" N 8° 45' 58" W	322 m
Chichaua (see Chichaoua), Rif	Morocco	31° 32' 40" N 8° 45' 58" W	322 m
Cowies Hill Park	South Africa	29° 49' 28" S 30° 52' 58" E	322 m

Ighzer cave	Algeria		29° 28' 00" N 0° 18' 00" E	ca. 322 m
Mzala Chichaoua (see Chichaoua), Rif	Morocco		31° 32' 40" N 8° 45' 58" W	322 m
Sélingué	Mali		11° 37' 00" N 8° 14' 00" W	322 m
Balegana	Swaziland		26° 06' 00" S 31° 34' 00" E	323 m
Balegane	Swaziland		26° 06' 00" S 31° 34' 00" E	323 m
Balegane Stor	Swaziland		26° 06' 00" S 31° 34' 00" E	323 m
Isato	Congo (Democratic Republic of the)		3° 18' 00" N 18° 39' 00" E	323 m
Mekomeseng (see Mikomeseng)	Equatorial Guinea		2° 08' 10" N 10° 36' 48" E	323 m
Micomeseng (see Mikomeseng), Mengui river, Yebecon / Mikemele river ?	Equatorial Guinea		2° 08' 10" N 10° 36' 48" E	323 m
Mikamesen (see Mikomeseng)	Equatorial Guinea		2° 08' 10" N 10° 36' 48" E	323 m
Mikomesen (see Mikomeseng)	Equatorial Guinea		2° 08' 10" N 10° 36' 48" E	323 m
Mikomeseng, Menigui river, Yebecon (see also: Mekomeseng, Micomeseng, Mikamesen, Mikomesen)	Equatorial Guinea		2° 08' 10" N 10° 36' 48" E	323 m
Nkwanta, 2 mi [=3.2 km] E (see Odomi)	Ghana		8° 19' 00" N 0° 31' 00" E	324 m
Odome (see Odomi), 2 mi [=3.2 km] E Nkwanta	Ghana		8° 19' 00" N 0° 31' 00" E	324 m
Odomi, 2 mi [=3.2 km] E Nkwanta (see also: Nkwanta, 2 mi [=3.2 km] E, Odome, Odomi Jongo)	Ghana		8° 19' 00" N 0° 31' 00" E	324 m
Odomi Jongo (see Odomi), 2 mi [=3.2 km] E Nkwanta	Ghana		8° 19' 00" N 0° 31' 00" E	324 m
Parakou (see also: Paraku)	Benin		9° 21' 00" N 2° 37' 00" E	324 m
Paraku (see Parakou)	Benin		9° 21' 00" N 2° 37' 00" E	324 m
Engong, near Río Lobo, Evinayong	Equatorial Guinea		1° 53' 00" N 10° 17' 00" E	325 m
Fort Pousset (see Owando)	Congo		0° 29' 13" S 15° 54' 29" E	325 m
Fort Rousset (see Owando)	Congo		0° 29' 13" S 15° 54' 29" E	325 m
Ouando (see Owando)	Congo		0° 29' 13" S 15° 54' 29" E	325 m
Owando (see also: Fort Pousset, Fort Rousset, Ouando)	Congo		0° 29' 13" S 15° 54' 29" E	325 m
Boende, 14 km N by road (see Quatorze)	Congo (Democratic Republic of the)		0° 10' 04" N 20° 55' 34" E	326 m
Desbordesville (see Impfondo)	Congo		1° 38' 17" N 18° 04' 00" E	326 m
Impfondo (see also: Desbordesville, Imponfo)	Congo		1° 38' 17" N 18° 04' 00" E	326 m
Imponfo (see Impfondo)	Congo		1° 38' 17" N 18° 04' 00" E	326 m
Libenge (see also: Libengué)	Congo (Democratic Republic of the)		3° 39' 00" N 18° 38' 00" E	326 m
Libengué (see Libenge)	Congo (Democratic Republic of the)		3° 39' 00" N 18° 38' 00" E	326 m
Quatorze, 14 km N Boende, by road (see also: Boende, 14 km N by road)	Congo (Democratic Republic of the)		0° 10' 04" N 20° 55' 34" E	326 m
Ndjili	Congo (Democratic Republic of the)		4° 27' 51" S 15° 20' 56" E	327 m
Sibobela Primary School (see Sitobela Primary School)	Swaziland		26° 53' 00" S 31° 36' 00" E	327 m
Sithobela Primary School (see Sitobela Primary School)	Swaziland		26° 53' 00" S 31° 36' 00" E	327 m
Sitobela Primary School (see also: Sibobela Primary School, Sithobela Primary School)	Swaziland		26° 53' 00" S 31° 36' 00" E	327 m
Bamako, 7 km E (see Sotouba)	Mali		12° 39' 48" N 7° 54' 50" W	328 m
De Hoek, Skeleton Cave (see Oudtshoorn), Oudtshoorn	South Africa		33° 35' 00" S 22° 12' 00" E	328 m
Oudtshoorn (see also: De Hoek, Skeleton Cave)	South Africa		33° 35' 00" S 22° 12' 00" E	328 m
Sotouba, 7 km E Bamako (see also: Bamako, 7 km E, Sotuba)	Mali		12° 39' 48" N 7° 54' 50" W	328 m
Sotuba (see Sotouba), 7 km E Bamako	Mali		12° 39' 48" N 7° 54' 50" W	328 m
Basongo	Congo (Democratic Republic of the)		4° 20' 00" S 20° 24' 00" E	329 m
Ambery, 5.5 km SE (see Andavadrano)	Madagascar		12° 50' 38" S 49° 20' 54" E	330 m
Andavadrano, 5.5 km SE Ambery (see also: Ambery, 5.5 km SE)	Madagascar		12° 50' 38" S 49° 20' 54" E	330 m
Cuf, Uádi el (see Wadi al Kuf)	Libya		32° 42' 00" N 21° 35' 00" E	330 m
Jabal Akhdar Mountains (see Wadi al Kuf), 8 km SW Massah	Libya		32° 42' 00" N 21° 35' 00" E	330 m
Kilombero Valley, Rufiri-Itete area	Tanzania		8° 40' 00" S 36° 30' 00" E	330 m
Kpandemai Mountains (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Kuf, Wadi al (see Wadi al Kuf)	Libya		32° 42' 00" N 21° 35' 00" E	330 m
Massah, 8 km SW (see Wadi al Kuf)	Libya		32° 42' 00" N 21° 35' 00" E	330 m
Uádi el Cuf (see Wadi al Kuf)	Libya		32° 42' 00" N 21° 35' 00" E	330 m
Wadi al Kuf, 8 km SW Massah (see also: Cuf, Uádi el, Jabal Akhdar Mountains, Kuf, Wadi al, Massah, 8 km SW, Uádi el Cuf, Wadi Kuf)	Libya		32° 42' 36" N 21° 35' 47" E	330 m
Walo Mountains (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Waulo Mountains (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m

Wologisi Range (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologisi Wutuvi (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologizi mountain range (see also: Kpandemai Mountains, Walo Mountains, Waulo Mountains, Wologisi Range, Wologisi Wutuvi, Wologizi Range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Wologizi Range (see Wologizi mountain range)	Liberia	ca.	8° 06' 36" N 9° 55' 40" W	330 m
Bamako, 15 km E	Mali		12° 41' 12" N 7° 51' 50" W	331 m
Barga	Burkina Faso		13° 47' 00" N 2° 16' 00" W	331 m
Maribabougou, 15 km E Bamako	Mali		12° 41' 12" N 7° 51' 50" W	331 m
Moribabougou, 15 km E Bamako	Mali		12° 41' 12" N 7° 51' 50" W	331 m
Boteka (see also: Boteke, Flandria, Frandria)	Congo (Democratic Republic of the)		0° 20' 00" S 19° 06' 00" E	333 m
Franceville	Gabon		1° 38' 00" S 13° 35' 00" E	333 m
Alabe	Nigeria		8° 29' 00" N 5° 08' 00" E	334 m
Garies, Klein Namaqualand	South Africa		30° 33' 00" S 17° 59' 00" E	334 m
Inongo	Congo (Democratic Republic of the)		1° 57' 00" S 18° 16' 00" E	335 m
Mbalmajo (see Mbalmayo)	Cameroon		3° 31' 00" N 11° 30' 00" E	335 m
Mbalmayo (see also: Mbalmajo)	Cameroon		3° 31' 00" N 11° 30' 00" E	335 m
Westmead	South Africa		29° 49' 24" S 30° 49' 55" E	335 m
Delis (see Dellys)	Algeria		36° 55' 07" N 3° 53' 16" E	336 m
Dellys (see also: Delis)	Algeria		36° 55' 07" N 3° 53' 16" E	336 m
Beayop, Loo River / Mikenle River, Micomeseng	Equatorial Guinea		2° 09' 04" N 10° 48' 37" E	337 m
Boteka	Congo (Democratic Republic of the)		0° 19' 00" S 19° 07' 00" E	337 m
Boteke (see Boteka)	Congo (Democratic Republic of the)		0° 19' 00" S 19° 07' 00" E	337 m
Flandria (see Boteka)	Congo (Democratic Republic of the)		0° 19' 00" S 19° 07' 00" E	337 m
Frandria (see Boteka)	Congo (Democratic Republic of the)		0° 19' 00" S 19° 07' 00" E	337 m
Kidode (see Kidodi)	Tanzania		7° 36' 00" S 36° 59' 00" E	337 m
Kidodi, The Great Ruaha River, N (see also: Kidode)	Tanzania		7° 36' 00" S 36° 59' 00" E	337 m
Mongoumba	Central African Republic		3° 38' 30" N 18° 35' 37" E	337 m
Kindia (see also: Kindla)	Guinea		10° 04' 00" N 12° 51' 00" W	338 m
Kindla (see Kindia)	Guinea		10° 04' 00" N 12° 51' 00" W	338 m
Ukami Forest (see Ukami Forest Reserve)	Tanzania		7° 53' 20" S 36° 23' 12" E	338 m
Ukami Forest Reserve (see also: Ukami Forest)	Tanzania		7° 53' 20" S 36° 23' 12" E	338 m
Bokuma, near Mbandaka	Congo (Democratic Republic of the)		0° 06' 00" S 18° 42' 00" E	340 m
Yen, Río Bicaba, Evinayong	Equatorial Guinea		1° 42' 57" N 10° 09' 13" E	341 m
Benito (see Mbini)	Equatorial Guinea		1° 35' 00" N 9° 37' 00" E	343 m
Birak (see also: Brach, Brak)	Libya		27° 32' 00" N 14° 17' 00" E	343 m
Bofondo (see Bolondo)	Equatorial Guinea		1° 37' 00" N 9° 37' 00" E	343 m
Bolondo (see also: Bofondo)	Equatorial Guinea		1° 37' 00" N 9° 37' 00" E	343 m
Brach (see Birak)	Libya		27° 32' 00" N 14° 17' 00" E	343 m
Brak (see Birak)	Libya		27° 32' 00" N 14° 17' 00" E	343 m
Mbini (see also: Benito, Río Benito, San Benito)	Equatorial Guinea		1° 35' 00" N 9° 37' 00" E	343 m
Patsi, along Mroni Koki River	Comoro Islands		12° 09' 20" S 44° 26' 14" E	343 m
Patsy (see Moroni, 9.2 km SE), along Mroni Koki River	Comoro Islands		12° 09' 20" S 44° 26' 14" E	343 m
Río Benito (see Mbini)	Equatorial Guinea		1° 35' 00" N 9° 37' 00" E	343 m
San Benito (see Mbini)	Equatorial Guinea		1° 35' 00" N 9° 37' 00" E	343 m
Wilson (see Moroni, 9.2 km SE), along Mroni Koki River	Comoro Islands		12° 09' 20" S 44° 26' 14" E	343 m
Bikoro	Congo (Democratic Republic of the)		0° 45' 00" S 18° 07' 00" E	344 m
Esimé (see Ezimé)	Togo		7° 29' 00" N 0° 56' 00" E	344 m
Ezimé (see also: Esimé, Isídje)	Togo		7° 29' 00" N 0° 56' 00" E	344 m
Horo, in old mine drive	Swaziland		25° 45' 00" S 31° 25' 00" E	344 m
Isídje (see Ezimé)	Togo		7° 29' 00" N 0° 56' 00" E	344 m
Archambault (see Sarh)	Chad		9° 09' 00" N 18° 23' 00" E	347 m
Fort Archambault (see Sarh)	Chad		9° 09' 00" N 18° 23' 00" E	347 m
Sahr (see Sarh)	Chad		9° 09' 00" N 18° 23' 00" E	347 m
Sarh (see also: Archambault, Fort Archambault, Sahr)	Chad		9° 09' 00" N 18° 23' 00" E	347 m
Agadji	Togo		7° 27' 00" N 0° 54' 00" E	348 m

Madimbo Military area, 98 km E Messina (see also: Messina, 98 km E)	South Africa		22° 18' 00" S 30° 52' 00" E	348 m
Messina, 98 km E (see Madimbo Military area)	South Africa		22° 18' 00" S 30° 52' 00" E	348 m
Bamako (see also: Bamaku, Bammaco, Bammako)	Mali		12° 39' 00" N 8° 00' 00" W	349 m
Bamako, near	Mali	ca.	12° 39' 00" N 8° 00' 00" W	349 m
Bamaku (see Bamako)	Mali		12° 39' 00" N 8° 00' 00" W	349 m
Bammaco (see Bamako)	Mali		12° 39' 00" N 8° 00' 00" W	349 m
Bammako (see Bamako)	Mali		12° 39' 00" N 8° 00' 00" W	349 m
Baden, Farm (see Farm "Baden")	South Africa		33° 42' 14" S 20° 07' 14" E	350 m
Farm "Baden", 9.2 km N Montagu (see also: Baden, Farm, Montagu, 9.2 km N)	South Africa		33° 42' 14" S 20° 07' 14" E	350 m
Konkori, NE	Ghana	ca.	9° 36' 00" N 1° 46' 00" W	ca. 350 m
Maloma Primary School	Swaziland		27° 01' 00" S 31° 39' 00" E	350 m
Mangula	Tanzania		7° 50' 52" S 36° 52' 02" E	350 m
Marasohy Forest, 15 km WNW Ranomafana, near Tsitongatona River	Madagascar		24° 34' 01" S 46° 48' 00" E	350 m
Montagu, 9.2 km N (see Farm "Baden")	South Africa		33° 42' 14" S 20° 07' 14" E	350 m
Rubondo [island] (see also: Ruwondo [island])	Tanzania		2° 20' 00" S 31° 50' 00" E	350 m
Ruwondo [island] (see Rubondo [island])	Tanzania		2° 20' 00" S 31° 50' 00" E	350 m
Vaku	Congo (Democratic Republic of the)		5° 15' 00" S 13° 10' 00" E	351 m
Bova Village, 4 km N Buéa Station (see also: Buéa Station, 4 km N)	Cameroon		4° 26' 09" N 9° 12' 55" E	354 m
Fort Carhot (see Ikongo)	Madagascar		21° 53' 00" S 47° 26' 00" E	354 m
Fort Carhot (see Ikongo)	Madagascar		21° 53' 00" S 47° 26' 00" E	354 m
Fort Carnot (see Ikongo)	Madagascar		21° 53' 00" S 47° 26' 00" E	354 m
Fort-Carnot (see Ikongo)	Madagascar		21° 53' 00" S 47° 26' 00" E	354 m
Ikongo (see also: Fort Carhot, Fort Carhot, Fort Carnot, Fort-Carnot)	Madagascar		21° 53' 00" S 47° 26' 00" E	354 m
Aldeia Muchena (see also: Massamba, 10 mi [=16 km] E, Muchena, Tetane Muchena)	Mozambique		15° 40' 56" S 33° 48' 20" E	356 m
Duma, near Libenge/Ubangi	Congo (Democratic Republic of the)		3° 53' 00" N 18° 41' 00" E	356 m
Massamba, 10 mi [=16 km] E (see Aldeia Muchena)	Mozambique		15° 40' 56" S 33° 48' 20" E	356 m
Matongouiné (see Matonguiné)	Côte d'Ivoire		7° 17' 20" N 8° 02' 17" W	356 m
Matonguiné (see also: Matongouiné)	Côte d'Ivoire		7° 17' 20" N 8° 02' 17" W	356 m
Muchena (see Aldeia Muchena), 10 mi [=16 km] E Massamba	Mozambique		15° 40' 56" S 33° 48' 20" E	356 m
Tetane Muchena (see Aldeia Muchena)	Mozambique		15° 40' 56" S 33° 48' 20" E	356 m
Gopoupleu	Côte d'Ivoire		7° 26' 05" N 8° 17' 07" W	358 m
Koum (see also: Kum)	Cameroon		8° 23' 00" N 14° 31' 00" E	358 m
Kum (see Koum)	Cameroon		8° 23' 00" N 14° 31' 00" E	358 m
Mfaman, near Niefang (see also: Nfaman)	Equatorial Guinea		1° 54' 55" N 10° 13' 56" E	358 m
Nfaman (see Mfaman)	Equatorial Guinea		1° 54' 55" N 10° 13' 56" E	358 m
Rogez	Madagascar		18° 48' 00" S 48° 37' 00" E	359 m
Fahpli (see Favee)	Liberia		7° 13' 50" N 9° 17' 04" W	360 m
Fape (see Favee)	Liberia		7° 13' 50" N 9° 17' 04" W	360 m
Fapé (see Favee)	Liberia		7° 13' 50" N 9° 17' 04" W	360 m
Fapi (see Favee)	Liberia		7° 13' 50" N 9° 17' 04" W	360 m
Farm Vergeval (see also: Vergeval, Farm)	South Africa		27° 29' 00" S 31° 42' 00" E	360 m
Favee (see also: Fahpli, Fape, Fapé, Fapi)	Liberia		7° 13' 50" N 9° 17' 04" W	360 m
Tonga (see also: Tonja)	South Sudan		9° 29' 13" N 31° 02' 16" E	360 m
Tonja (see Tonga)	South Sudan		9° 29' 13" N 31° 02' 16" E	360 m
Vergeval, Farm (see Farm Vergeval)	South Africa		27° 29' 00" S 31° 42' 00" E	360 m
Behagie (see Laï)	Chad		9° 23' 43" N 16° 17' 56" E	361 m
Behagle (see Laï)	Chad		9° 23' 43" N 16° 17' 56" E	361 m
Laï (see also: Behagie, Behagle)	Chad		9° 23' 43" N 16° 17' 56" E	361 m
Koskobo (see Kosokobo II)	Chad		9° 29' 00" N 19° 14' 56" E	362 m
Kosokobo (see Kosokobo II)	Chad		9° 29' 00" N 19° 14' 56" E	362 m
Kosokobo II (see also: Koskobo, Kosokobo, Kossokobo)	Chad		9° 29' 00" N 19° 14' 56" E	362 m
Kossokobo (see Kosokobo II)	Chad		9° 29' 00" N 19° 14' 56" E	362 m
Kouroussa (see also: Kurussa)	Guinea		10° 39' 00" N 9° 53' 00" W	362 m
Kurussa (see Kouroussa)	Guinea		10° 39' 00" N 9° 53' 00" W	362 m

Malut (see also: Melut)	South Sudan	10° 26' 00" N 32° 12' 00" E	362 m
Melut (see Malut)	South Sudan	10° 26' 00" N 32° 12' 00" E	362 m
Kangamatoko (see also: Kango, Kango Matako, Kango Matoko, Kango Metoko)	Congo	1° 33' 37" N 15° 37' 56" E	363 m
Kango (see Kangamatoko)	Congo	1° 33' 37" N 15° 37' 56" E	363 m
Kango Matako (see Kangamatoko)	Congo	1° 33' 37" N 15° 37' 56" E	363 m
Kango Matoko (see Kangamatoko)	Congo	1° 33' 37" N 15° 37' 56" E	363 m
Kango Metoko (see Kangamatoko)	Congo	1° 33' 37" N 15° 37' 56" E	363 m
King William's Town (see also: King Williamstown)	South Africa	32° 53' 00" S 27° 24' 00" E	363 m
King Williamstown (see King William's Town), 100 km NE Grahamstown	South Africa	32° 53' 00" S 27° 24' 00" E	363 m
Ruangwa	Tanzania	10° 04' 00" S 38° 56' 00" E	363 m
Ballomah (see Budima)	Liberia	7° 41' 57" N 9° 39' 03" W	364 m
Baloma (see Budima)	Liberia	7° 41' 57" N 9° 39' 03" W	364 m
Balomah	Liberia	7° 41' 57" N 9° 39' 03" W	364 m
Budima (see also: Ballomah, Baloma, Mbaloma)	Liberia	7° 41' 57" N 9° 39' 03" W	364 m
Imbonga	Congo (Democratic Republic of the)	0° 43' 00" S 19° 46' 00" E	364 m
Mbaloma (see Budima)	Liberia	7° 41' 57" N 9° 39' 03" W	364 m
Mana Pools Game Reserve (see Mana Pools Parks and Wildlife Land)	Zimbabwe	15° 44' 00" S 29° 21' 00" E	365 m
Mana Pools National Park (see Mana Pools Parks and Wildlife Land)	Zimbabwe	15° 44' 00" S 29° 21' 00" E	365 m
Mana Pools Parks and Wildlife Land (see also: Mana Pools Game Reserve, Mana Pools National Park)	Zimbabwe	15° 44' 00" S 29° 21' 00" E	365 m
Nagle Dam (see also: Nagle Dam Lodge, Pietermaritzburg, 25 km E)	South Africa	29° 36' 00" S 30° 38' 00" E	365 m
Nagle Dam Lodge (see Nagle Dam)	South Africa	29° 36' 00" S 30° 38' 00" E	365 m
Pietermaritzburg, 25 km E (see Nagle Dam)	South Africa	29° 36' 00" S 30° 38' 00" E	365 m
Ramu	Kenya	3° 55' 15" N 41° 13' 09" E	365 m
Aureol, mount (see Mount Aureol)	Sierra Leone	8° 28' 51" N 13° 13' 05" W	366 m
Benane, 2 km E Garba Tula (see also: Garba Tula, 2 km E)	Kenya	0° 30' 00" N 38° 40' 00" E	366 m
Garba Tula, 2 km E (see Benane)	Kenya	0° 30' 00" N 38° 40' 00" E	366 m
Kiyabé (see Kyabé)	Chad	9° 27' 00" N 18° 57' 00" E	366 m
Kiyabi (see Kyabé)	Chad	9° 27' 00" N 18° 57' 00" E	366 m
Kyabé (see also: Kiyabé, Kiyabi)	Chad	9° 27' 00" N 18° 57' 00" E	366 m
Mount Aureol (see also: Aureol, mount)	Sierra Leone	8° 28' 51" N 13° 13' 05" W	366 m
Ncomayos, near Micomiseng (see also: Ncomoyos)	Equatorial Guinea	2° 07' 52" N 10° 44' 17" E	366 m
Ncomoyos (see Ncomayos)	Equatorial Guinea	2° 07' 52" N 10° 44' 17" E	366 m
Mpraeso	Ghana	6° 35' 00" N 0° 44' 00" W	367 m
Niayok, near Paloich	South Sudan	10° 07' 35" N 32° 18' 03" E	367 m
Oshwe, Lake Leopold II	Congo (Democratic Republic of the)	3° 24' 00" S 19° 30' 00" E	368 m
Pagala (see also: Urenji)	Togo	8° 13' 00" N 0° 53' 00" E	368 m
Urenji (see Pagala)	Togo	8° 13' 00" N 0° 53' 00" E	368 m
Abodomasi (see Bodomasi), 58 km from Ksi	Ghana	6° 53' 37" N 1° 15' 19" W	369 m
Bangui	Central African Republic	4° 22' 00" N 18° 35' 00" E	369 m
Bodomase (see Bodomasi)	Ghana	6° 53' 37" N 1° 15' 19" W	369 m
Bodomasi (see also: Abodomasi, Bodomase, Ksi, 58 km from)	Ghana	6° 53' 37" N 1° 15' 19" W	369 m
Ksi, 58 km from (see Bodomasi)	Ghana	6° 53' 37" N 1° 15' 19" W	369 m
Ar Rank (see also: El Renk, Er Renk, Renk)	South Sudan	11° 45' 00" N 32° 48' 00" E	371 m
Boende	Congo (Democratic Republic of the)	0° 13' 00" S 20° 52' 00" E	371 m
Dio	Burkina Faso	13° 20' 00" N 2° 38' 00" W	371 m
El Renk (see Ar Rank)	South Sudan	11° 45' 00" N 32° 48' 00" E	371 m
Er Renk (see Ar Rank)	South Sudan	11° 45' 00" N 32° 48' 00" E	371 m
Renk (see Ar Rank)	South Sudan	11° 45' 00" N 32° 48' 00" E	371 m
Flampleu	Côte d'Ivoire	7° 16' 33" N 8° 02' 43" W	373 m
Doussala, 24.3 km NW	Gabon	2° 13' 21" S 10° 24' 21" E	375 m
Farm 331 (Kanabeam) (see Farm Kanabeam 331)	Namibia	28° 09' 00" S 17° 31' 00" E	375 m

Farm Kanabeam 331 (see also: Farm 331 (Kanabeam), Kanabeam, Farm 331)	Namibia	28° 09' 00" S 17° 31' 00" E	375 m
Kaka	South Sudan	10° 36' 00" N 32° 11' 00" E	375 m
Kanabeam, Farm 331 (see Farm Kanabeam 331)	Namibia	28° 09' 00" S 17° 31' 00" E	375 m
Tendaguru (see Tendaguro)	Tanzania	9° 45' 00" S 39° 20' 00" E	375 m
Atakpamé	Togo	7° 32' 00" N 1° 08' 00" E	376 m
Epana (see Epéna)	Congo	1° 21' 09" N 17° 27' 09" E	376 m
Epéna (see also: Epana)	Congo	1° 21' 09" N 17° 27' 09" E	376 m
Shandi (see Shendi), Upper Nile	Sudan	16° 41' 29" N 33° 26' 03" E	376 m
Shendi, Upper Nile (see also: Shandi, Shendy, Shindî)	Sudan	16° 41' 29" N 33° 26' 03" E	376 m
Shendy (see Shendi), Upper Nile	Sudan	16° 41' 29" N 33° 26' 03" E	376 m
Shindî (see Shendi), Upper Nile	Sudan	16° 41' 29" N 33° 26' 03" E	376 m
Torgokaha	Côte d'Ivoire	9° 23' 00" N 5° 38' 00" W	376 m
Al Khartum (see also: Al Khurtum, Cartum, Khartoum, Khartoun)	Sudan	15° 35' 17" N 32° 32' 03" E	377 m
Al Khurtum (see Al Khartum)	Sudan	15° 35' 17" N 32° 32' 03" E	377 m
Cartum (see Al Khartum)	Sudan	15° 35' 17" N 32° 32' 03" E	377 m
Khartoum (see Al Khartum)	Sudan	15° 35' 17" N 32° 32' 03" E	377 m
Khartoun (see Al Khartum)	Sudan	15° 35' 17" N 32° 32' 03" E	377 m
Niamtougou (see also: Niamtuu, Njamtuu, Nyamtouhou)	Togo	9° 46' 06" N 1° 06' 19" E	378 m
Niamtuu (see Niamtougou)	Togo	9° 46' 06" N 1° 06' 19" E	378 m
Njamtuu (see Niamtougou)	Togo	9° 46' 06" N 1° 06' 19" E	378 m
Nyamtouhou (see Niamtougou)	Togo	9° 46' 06" N 1° 06' 19" E	378 m
Lomnava	Togo	7° 31' 00" N 1° 08' 00" E	379 m
Aj Jabalen (see also: Al Jabalayn, El Jebelein, Jebelein)	Sudan	12° 35' 25" N 32° 48' 03" E	380 m
Al Jabalayn (see Aj Jabalen)	Sudan	12° 35' 25" N 32° 48' 03" E	380 m
Breidbach, 1.4 km S, 5.2 km E King William's Town (see also: King William's Town, 1.4 km S, 5.2 km E)	South Africa	32° 53' 31" S 27° 26' 42" E	380 m
Calabar (see Igbo-Ora)	Nigeria	7° 26' 00" N 3° 17' 00" E	380 m
Costi (see Kusti)	Sudan	13° 10' 00" N 32° 40' 00" E	380 m
El Jebelein (see Aj Jabalen)	Sudan	12° 35' 25" N 32° 48' 03" E	380 m
Elem Kalabari (see also: Old Calabar)	Nigeria	4° 34' 27" N 6° 58' 33" E	380 m
Farm Zeekoegats Drift, 2.5 km S, 12.6 km W Ladismith (see also: Ladismith, 2.5 km S, 12.6 km W, Zeekoegats Drift, Farm)	South Africa	33° 30' 39" S 21° 05' 42" E	380 m
Imperial mine (see Louw's Creek), Barberton	South Africa	25° 38' 00" S 31° 17' 00" E	380 m
Jebelein (see Aj Jabalen)	Sudan	12° 35' 25" N 32° 48' 03" E	380 m
King William's Town, 1.4 km S, 5.2 km E (see Breidbach)	South Africa	32° 53' 31" S 27° 26' 42" E	380 m
Kosti (see Kusti)	Sudan	13° 10' 00" N 32° 40' 00" E	380 m
Kusti (see also: Costi, Kosti)	Sudan	13° 10' 00" N 32° 40' 00" E	380 m
Ladismith, 2.5 km S, 12.6 km W (see Farm Zeekoegats Drift)	South Africa	33° 30' 39" S 21° 05' 42" E	380 m
Louw's Creek, Barberton (see also: Imperial mine, Lowes Creek)	South Africa	25° 38' 00" S 31° 17' 00" E	380 m
Lowes Creek (see Louw's Creek), Barberton	South Africa	25° 38' 00" S 31° 17' 00" E	380 m
Nachingwa (see Nachingwea)	Tanzania	10° 23' 00" S 38° 46' 00" E	380 m
Nachingwea (see also: Nachingwa)	Tanzania	10° 23' 00" S 38° 46' 00" E	380 m
Old Calabar (see Elem Kalabari)	Nigeria	4° 34' 27" N 6° 58' 33" E	380 m
Zeekoegats Drift, Farm (see Farm Zeekoegats Drift), Ladismith, SW	South Africa	33° 37' 00" S 21° 37' 00" E	380 m
Central island	Kenya	3° 30' 00" N 36° 02' 00" E	381 m
Chefchaouen, 6 km SW (see Derdara)	Morocco	35° 06' 37" N 5° 17' 25" W	381 m
Dardara (see Derdara)	Morocco	35° 06' 37" N 5° 17' 25" W	381 m
Derdara, 6 km SW of Chefchaouen (see also: Chefchaouen, 6 km SW, Dardara)	Morocco	35° 06' 37" N 5° 17' 25" W	381 m
Bongolo Mission	Congo (Democratic Republic of the)	6° 36' 00" S 16° 46' 00" E	383 m
Maradi	Niger	13° 29' 30" N 7° 05' 47" E	383 m
Mouionzi (see Mouyondzi)	Congo	3° 59' 26" S 13° 54' 52" E	383 m
Mouyondzi (see also: Mouionzi)	Congo	3° 59' 26" S 13° 54' 52" E	383 m
Jabal al Awliya' (see also: Jebel Aulia)	Sudan	15° 14' 28" N 32° 29' 59" E	384 m
Jebel Aulia (see Jabal al Awliya')	Sudan	15° 14' 28" N 32° 29' 59" E	384 m
Khartoum University Campus	Sudan	15° 29' 51" N 32° 33' 29" E	384 m

Maroua (see also: Marua)	Cameroon		10° 35' 44" N 14° 19' 29" E	384 m
Marua (see Maroua)	Cameroon		10° 35' 44" N 14° 19' 29" E	384 m
M'Vaddi (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Mampon (see Mampong), Lakeside	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
Mampon Asante (see Mampong), Lakeside	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
Mampong, Lakeside (see also: Mampon, Mampon Asante, Mapon, MomPort)	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
Mapon (see Mampong), Asheki	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
Masabia Hshubi	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
MomPort (see Mampong), Lakeside	Ghana		7° 04' 00" N 1° 24' 00" W	385 m
Mvadhi (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Mvadhi-Ousyé (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Mvadi (see also: M'Vaddi, Mvadhi, Mvadhi-Ousyé, Mvahdi, M'Vahdi Ousye, Mvandi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Mvahdi (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
M'Vahdi Ousye (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Mvandi (see Mvadi)	Gabon		1° 13' 00" N 13° 12' 00" E	385 m
Al Ma?ilah (see M'Dilla abandoned Phosphate mines)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
Gafsa, 20 km S (see M'Dilla abandoned Phosphate mines)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
Le Mdilla (see M'Dilla abandoned Phosphate mines)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
M'dhilla (see M'Dilla abandoned Phosphate mines)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
M'Dilla abandoned Phosphate mines, 20 km S Gafsa (see also: Al Ma?ilah, Gafsa, 20 km S, Le Mdilla, M'dhilla, Village de la Mine)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
Village de la Mine (see M'Dilla abandoned Phosphate mines)	Tunisia		34° 15' 00" N 8° 45' 00" E	387 m
Jikao (see Jikawo)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Jikau (see Jikawo)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Jikaw (see Jikawo)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Jikawa (see Jikawo)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Jikawo (see also: Jikao, Jikau, Jikaw, Jikawa, Jokau)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Jokau (see Jikawo)	Ethiopia		8° 22' 00" N 33° 46' 00" E	388 m
Bélinga (see also: Belinga)	Gabon		1° 08' 00" N 13° 07' 00" E	390 m
Belinga (see Bélinga)	Gabon		1° 08' 00" N 13° 07' 00" E	390 m
Belinga, near	Gabon	ca.	1° 08' 00" N 13° 07' 00" E	390 m
Melfi	Chad		11° 03' 35" N 17° 55' 59" E	390 m
Omdurman (see Umm Durman)	Sudan		15° 38' 10" N 32° 16' 14" E	390 m
Sannar, between Kéréri, Halfaye and Surerát on the Nile near Khartoum (see also: Sennaar, Sennar, Sennar, Sinnar)	Sudan		13° 33' 00" N 33° 38' 00" E	390 m
Sennaar (see Sannar), Abyssinia	Sudan		13° 33' 00" N 33° 38' 00" E	390 m
Sennar (see Sannar)	Sudan		13° 33' 00" N 33° 38' 00" E	390 m
Sennar (see Sannar), Abyssinia	Sudan		13° 33' 00" N 33° 38' 00" E	390 m
Sinnar (see Sannar), Abyssinia	Sudan		13° 33' 00" N 33° 38' 00" E	390 m
Umm Durman (see also: Omdurman)	Sudan		15° 38' 10" N 32° 16' 14" E	390 m
Madaba	Tanzania		8° 40' 00" S 37° 47' 00" E	391 m
Befale	Congo (Democratic Republic of the)		0° 28' 00" N 20° 58' 00" E	393 m
Tulé (see also: Tule)	Côte d'Ivoire		7° 56' 05" N 6° 07' 51" W	393 m
Calama (see Kelem)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Callam (see Kelem)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Kaalam (see Kelem)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Kalam (see Kelem)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Kelam (see Kelem)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Kelem (see also: Calama, Callam, Kaalam, Kalam, Kelam)	Ethiopia		4° 48' 00" N 35° 58' 00" E	394 m
Al Quwaysi, Dinder (see also: El Gueisi, El Qweisi)	Sudan		13° 21' 00" N 34° 07' 00" E	396 m
El Gueisi (see Al Quwaysi), Dinder	Sudan		13° 21' 00" N 34° 07' 00" E	396 m
El Qweisi (see Al Quwaysi), Dinder	Sudan		13° 21' 00" N 34° 07' 00" E	396 m
Shambe (see also: Shambi)	South Sudan		7° 06' 17" N 30° 46' 25" E	396 m
Shambi (see Shambe)	South Sudan		7° 06' 17" N 30° 46' 25" E	396 m
Wafania (see also: Wafanya)	Congo (Democratic Republic of the)		1° 21' 00" S 20° 20' 00" E	396 m
Wafanya (see Wafania)	Congo (Democratic Republic of the)		1° 21' 00" S 20° 20' 00" E	396 m

Bebedja (see Bébédjia)	Chad		8° 41' 00" N 16° 34' 00" E	397 m
Bébédjia, near Moundou? (see also: Bebedja, Bebeidja, Bebeidjia, Bebiya)	Chad		8° 41' 00" N 16° 34' 00" E	397 m
Bebeidja (see Bébédjia)	Chad		8° 41' 00" N 16° 34' 00" E	397 m
Bebeidjia (see Bébédjia)	Chad		8° 41' 00" N 16° 34' 00" E	397 m
Bebiya (see Bébédjia)	Chad		8° 41' 00" N 16° 34' 00" E	397 m
Binga	Congo (Democratic Republic of the)		2° 23' 00" N 20° 30' 00" E	397 m
Lusambo (see also: Luzambo)	Congo (Democratic Republic of the)		4° 58' 00" S 23° 27' 00" E	397 m
Luzambo (see Lusambo)	Congo (Democratic Republic of the)		4° 58' 00" S 23° 27' 00" E	397 m
Senga (see Sinjah)	Sudan		13° 09' 00" N 33° 56' 00" E	397 m
Shilouwan (see Shilowa), 40 km S Shingwidzi	South Africa		23° 27' 00" S 31° 33' 00" E	397 m
Shilowa, 40 km S Shingwidzi (see also: Shilouwan, Shingwidzi, 40 km S)	South Africa		23° 27' 00" S 31° 33' 00" E	397 m
Shingwidzi, 40 km S (see Shilowa)	South Africa		23° 27' 00" S 31° 33' 00" E	397 m
Singa (see Sinjah)	Sudan		13° 09' 00" N 33° 56' 00" E	397 m
Sinja (see Sinjah)	Sudan		13° 09' 00" N 33° 56' 00" E	397 m
Sinjah (see also: Senga, Singa, Sinja)	Sudan		13° 09' 00" N 33° 56' 00" E	397 m
Mpe	Congo (Democratic Republic of the)		2° 12' 00" S 17° 38' 00" E	399 m
Alosa, near Niefang (see also: Finca Bartolomé)	Equatorial Guinea	ca.	1° 51' 00" N 10° 14' 00" E	400 m
Alosa, forest exploitation near	Equatorial Guinea	ca.	1° 51' 00" N 10° 14' 00" E	400 m
Bevato, 40 km NW (see Maroantsetra, 40 km NW)	Madagascar	ca.	15° 17' 00" S 49° 34' 00" E	400 m
Buffalo Pass	South Africa		33° 00' 45" S 27° 48' 30" E	400 m
Callado Monte Alen, Limite Evinayong Niefang	Equatorial Guinea		1° 51' 00" N 10° 07' 00" E	400 m
Cueva de Esong (see Moka)	Equatorial Guinea	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Cueva Moro (see Moka)	Equatorial Guinea	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Durban, 48 km NW (see Umgeni (Fish) Hatchery)	South Africa		29° 35' 25" S 30° 37' 18" E	400 m
Ebalowa, between Evinayong and Niefang	Equatorial Guinea	ca.	1° 35' 37" N 10° 20' 05" E	400 m
Esong cave (see Moka), near Evinayong - Niefang road	Equatorial Guinea	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Finca Bartolomé (see Alosa)	Equatorial Guinea	ca.	1° 51' 00" N 10° 14' 00" E	400 m
Fleet Ditch Tunnel	South Africa		32° 53' 00" S 27° 23' 00" E	400 m
Fort Brown	South Africa		33° 07' 00" S 26° 42' 00" E	400 m
Green River, 5.2 km S, 9.6 km W King William's Town (see also: King William's Town, 5.2 km S, 9.6 km W)	South Africa		32° 55' 00" S 27° 18' 00" E	400 m
Inkongo (see Inkongo-Kakese), on Sankuru river	Congo (Democratic Republic of the)		4° 53' 00" S 23° 18' 00" E	400 m
Inkongo-Kakese (see also: Inkongo, Inkongu)	Congo (Democratic Republic of the)		4° 53' 00" S 23° 18' 00" E	400 m
Inkongu (see Inkongo-Kakese)	Congo (Democratic Republic of the)		4° 53' 00" S 23° 18' 00" E	400 m
Kalaa Matmata, near (see Matmata, near), Boukedma	Tunisia		33° 33' 00" N 9° 58' 00" E	400 m
King William's Town, 5.2 km S, 9.6 km W (see Green River)	South Africa		32° 55' 00" S 27° 18' 00" E	400 m
Kolente, 10 km W	Guinea	ca.	10° 05' 00" N 12° 30' 00" W	400 m
Korhogo department	Côte d'Ivoire	ca.	9° 27' 00" N 5° 37' 00" W	ca. 400 m
Maltahohe, 110 km WSW (see Gorrasis)	Namibia			400 m
Maroantsetra, 40 km NW (see also: Bevato, 40 km NW)	Madagascar	ca.	15° 17' 00" S 49° 34' 00" E	400 m
Matmata, near, Boukedma (see also: Kalaa Matmata, near, Matmatah near)	Tunisia		33° 33' 00" N 9° 58' 00" E	400 m
Matmatah near (see Matmata, near), Boukedma	Tunisia		33° 33' 00" N 9° 58' 00" E	400 m
Mgambo Forest Reserve	Tanzania		4° 45' 15" S 38° 48' 10" E	400 m
Moka, on/near Rio Lobo, on Evinayong - Niefang road (see also: Cueva de Esong, Cueva Moro, Esong cave, Moro cave)	Equatorial Guinea	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Moro cave (see Moka)	Equatorial Guinea	ca.	1° 34' 00" N 10° 24' 00" E	400 m
Msenge Ridge, near King William's Town	South Africa		32° 51' 30" S 27° 22' 10" E	400 m
Nagle Dam Fish Hatchery (see Umgeni (Fish) Hatchery)	South Africa		29° 35' 25" S 30° 37' 18" E	400 m
Ounianga Kébir	Chad		19° 04' 00" N 20° 29' 00" E	400 m
Umgeni (Fish) Hatchery, 48 km NW Durban (see also: Durban, 48 km NW, Nagle Dam Fish Hatchery)	South Africa		29° 35' 25" S 30° 37' 18" E	400 m
Val Riche (see also: Valle Riche)	Seychelle Islands	ca.	4° 38' 49" S 55° 25' 50" E	400 m
Valle Riche (see Val Riche)	Seychelle Islands	ca.	4° 38' 49" S 55° 25' 50" E	400 m
Yaengo	Congo (Democratic Republic of the)		0° 20' 56" N 24° 28' 55" E	400 m

401 - 500 m:

Gobabeb (see also: Gobabeb Station)	Namibia	23° 33' 00" S 15° 02' 00" E	401 m
Gobabeb Station (see Gobabeb), in Villa...	Namibia	23° 33' 00" S 15° 02' 00" E	401 m
Bokungu	Congo (Democratic Republic of the)	0° 41' 00" S 22° 19' 00" E	402 m
Obomen, Mpriaso, near	Ghana	6° 35' 00" N 0° 45' 00" W	402 m
Pont Rouge	Cameroon	10° 35' 48" N 14° 18' 54" E	402 m
Hardé 1	Cameroon	10° 35' 41" N 14° 20' 14" E	403 m
Hotel Mizao	Cameroon	10° 35' 59" N 14° 18' 44" E	403 m
Pont Vert	Cameroon	10° 35' 58" N 14° 20' 15" E	404 m
Bor	South Sudan	6° 12' 26" N 31° 33' 33" E	406 m
Rumbeck (see Rumbek), 100 mi [=160 km] SE Wau	South Sudan	6° 48' 00" N 29° 41' 00" E	406 m
Rumbek, 100 mi [=160 km] SE Wau (see also: Rumbeck, Wau, 100 mi [=160 km] SE)	South Sudan	6° 48' 00" N 29° 41' 00" E	406 m
Wau, 100 mi [=160 km] SE (see Rumbek)	South Sudan	6° 48' 00" N 29° 41' 00" E	406 m
Kinkala	Congo	4° 21' 41" S 14° 45' 52" E	407 m
Pania-Mutombo	Congo (Democratic Republic of the)	5° 11' 00" S 23° 51' 00" E	407 m
Pania-Mutombo (see Pania-Mutombo) (see also: Pania-Mutombo)	Congo (Democratic Republic of the)	5° 11' 00" S 23° 51' 00" E	407 m
Lisala (see also: Lizala)	Congo (Democratic Republic of the)	2° 09' 00" N 21° 31' 00" E	409 m
Lizala (see Lisala)	Congo (Democratic Republic of the)	2° 09' 00" N 21° 31' 00" E	409 m
Humane Ranch	Zimbabwe	20° 31' 00" S 32° 16' 00" E	411 m
Méya (cave)	Congo	3° 53' 16" S 14° 31' 19" E	411 m
Gala (see Gumba)	Congo (Democratic Republic of the)	2° 57' 00" N 21° 26' 00" E	412 m
Gumba (see also: Gala)	Congo (Democratic Republic of the)	2° 57' 00" N 21° 26' 00" E	412 m
Lelodorf (see Lolodorf), on Lokoundgé river	Cameroon	3° 14' 00" N 10° 44' 00" E	412 m
Lolodorf, on Lokoundgé river (see also: Lelodorf, Lolodrof)	Cameroon	3° 14' 00" N 10° 44' 00" E	412 m
Lolodrof (see Lolodorf), on Lokoundgé river	Cameroon	3° 14' 00" N 10° 44' 00" E	412 m
Île Mbiye (see Mbiye, island)	Congo (Democratic Republic of the)	0° 27' 50" N 25° 17' 14" E	413 m
Mbiye, island (see also: Île Mbiye)	Congo (Democratic Republic of the)	0° 27' 50" N 25° 17' 14" E	413 m
Bongo	South Sudan	7° 14' 00" N 28° 42' 00" E	414 m
Medani (see Wad Madani)	Sudan	14° 24' 00" N 33° 32' 00" E	414 m
Mondombe	Congo (Democratic Republic of the)	0° 53' 00" S 22° 45' 00" E	414 m
Wad Madani (see also: Medani, Wad Medani)	Sudan	14° 24' 00" N 33° 32' 00" E	414 m
Wad Medani (see Wad Madani)	Sudan	14° 24' 00" N 33° 32' 00" E	414 m
Yambasa (see Yambata)	Congo (Democratic Republic of the)	2° 26' 00" N 21° 58' 00" E	414 m
Yambata (see also: Yambasa)	Congo (Democratic Republic of the)	2° 26' 00" N 21° 58' 00" E	414 m
Afegame, Agumatsa River (see also: Apegame)	Ghana	7° 08' 00" N 0° 35' 00" E	415 m
Apegame (see Afegame), Agumatsa River	Ghana	7° 08' 00" N 0° 35' 00" E	415 m
Barakat, near Wadi Medani	Sudan	14° 19' 00" N 33° 32' 00" E	415 m
Wli Afegame, Agumatsa River	Ghana	7° 08' 00" N 0° 35' 00" E	415 m
Liondo (see also: Loondo)	Congo (Democratic Republic of the)	0° 55' 00" S 22° 41' 00" E	416 m
Loondo (see Liondo)	Congo (Democratic Republic of the)	0° 55' 00" S 22° 41' 00" E	416 m
Bangaran (see Bangoran)	Central African Republic	8° 04' 51" N 20° 20' 43" E	418 m
Bangoran (see also: Bangaran)	Central African Republic	8° 04' 51" N 20° 20' 43" E	418 m
Terjit	Mauritania	20° 14' 48" N 13° 05' 13" W	418 m
Boangi	Congo (Democratic Republic of the)	1° 51' 00" S 20° 56' 00" E	419 m
Bumba	Congo (Democratic Republic of the)	2° 11' 00" N 22° 28' 00" E	419 m
Djamba	Congo (Democratic Republic of the)	2° 53' 00" N 24° 02' 00" E	419 m
Gidari (see Guidari), west of Sarh	Chad	9° 17' 00" N 16° 40' 00" E	419 m
Bamboo Inn, outskirts of Nampula town	Mozambique	15° 06' 11" S 39° 13' 03" E	420 m
Boesman Grotte (see Farm Guano Caves 163)	South Africa	33° 49' 58" S 20° 10' 28" E	420 m

Buffel Rivier Poort, Farm (see Farm Buffel Rivier Poort), Ladismith NW	South Africa	33° 22' 00" S 21° 37' 00" E	420 m
Bushmans Caves (see Farm Guano Caves 163)	South Africa	33° 49' 58" S 20° 10' 28" E	420 m
Farm 163 (Guano Caves) (see Farm Guano Caves 163)	South Africa	33° 49' 58" S 20° 10' 28" E	420 m
Farm Buffel Rivier Poort, 2.5 km N, 26.0 km W Ladismith (see also: Buffel Rivier Poort, Farm, Ladismith, 2.5 km N, 26.0 km W)	South Africa	33° 27' 56" S 20° 59' 00" E	420 m
Farm Guano Caves 163, 5.2 km S, 5.0 km E Montagu (see also: Boesman Grotte, Bushmans Caves, Farm 163 (Guano Caves), Guano Caves, Farm 163, Montagu, 5.2 km S, 5.0 km E)	South Africa	33° 49' 58" S 20° 10' 28" E	420 m
Guano Caves, Farm 163 (see Farm Guano Caves 163)	South Africa	33° 49' 58" S 20° 10' 28" E	420 m
Ibembo	Congo (Democratic Republic of the)	2° 38' 00" N 23° 37' 00" E	420 m
Ladismith, 2.5 km N, 26.0 km W (see Farm Buffel Rivier Poort)	South Africa	33° 27' 56" S 20° 59' 00" E	420 m
Montagu, 5.2 km S, 5.0 km E (see Farm Guano Caves 163)	South Africa	33° 49' 58" S 20° 10' 28" E	420 m
Pont Makabay	Cameroon	10° 34' 24" N 14° 16' 55" E	420 m
West Bank	South Africa	32° 52' 30" S 27° 22' 40" E	420 m
Yalusaka	Congo (Democratic Republic of the)	1° 05' 00" S 22° 58' 00" E	420 m
Efoulan (see also: Efoulen, Efulan, Efulen, Efulén)	Cameroon	2° 47' 00" N 10° 32' 00" E	421 m
Efoulen (see Efoulan)	Cameroon	2° 47' 00" N 10° 32' 00" E	421 m
Efulan (see Efoulan)	Cameroon	2° 47' 00" N 10° 32' 00" E	421 m
Efulen (see Efoulan)	Cameroon	2° 47' 00" N 10° 32' 00" E	421 m
Efulén (see Efoulan)	Cameroon	2° 47' 00" N 10° 32' 00" E	421 m
Ngonini estates	Swaziland	25° 48' 00" S 31° 24' 32" E	421 m
Hardé 2	Cameroon	10° 35' 30" N 14° 19' 51" E	422 m
Yalosemba (see also: Yalosembe, Yalosombo)	Congo (Democratic Republic of the)	2° 35' 00" N 21° 47' 00" E	422 m
Yalosembe (see Yalosemba)	Congo (Democratic Republic of the)	2° 35' 00" N 21° 47' 00" E	422 m
Yalosombo (see Yalosemba)	Congo (Democratic Republic of the)	2° 35' 00" N 21° 47' 00" E	422 m
El Goléa (see also: El Golea)	Algeria	30° 34' 00" N 2° 53' 00" E	423 m
El Golea (see El Goléa)	Algeria	30° 34' 00" N 2° 53' 00" E	423 m
Freetown, 145 mi [=233 km] NE (see Musaia)	Sierra Leone	9° 45' 00" N 11° 34' 00" W	423 m
Musaia, 145 mi NE Freetown (see also: Freetown, 145 mi [=233 km] NE)	Sierra Leone	9° 45' 00" N 11° 34' 00" W	423 m
Nikki	Benin	9° 56' 00" N 3° 13' 00" E	423 m
Tambarara	Mozambique	18° 40' 15" S 34° 05' 54" E	423 m
Guidari, west of Sarh (see also: Gidari)	Chad	9° 16' 08" N 16° 40' 21" E	424 m
Mamfe	Ghana	5° 55' 59" N 0° 07' 00" W	424 m
Ikela	Congo (Democratic Republic of the)	1° 11' 00" S 23° 16' 00" E	425 m
Korhogo	Côte d'Ivoire	9° 27' 00" N 5° 38' 00" W	426 m
At Tonj (see Tonj)	South Sudan	7° 16' 24" N 28° 41' 02" E	427 m
Ibba (see Tonj)	South Sudan	7° 16' 24" N 28° 41' 02" E	427 m
Lomié, 10 km SE	Cameroon	3° 09' 00" N 13° 34' 00" E	427 m
Ton'gh (see Tonj)	South Sudan	7° 16' 24" N 28° 41' 02" E	427 m
Tonj (see also: At Tonj, Ibba, Ton'gh)	South Sudan	7° 16' 24" N 28° 41' 02" E	427 m
Al Garef (see also: El Garef, El Garet)	Sudan	12° 03' 00" N 34° 19' 00" E	428 m
El Garef (see Al Garef)	Sudan	12° 03' 00" N 34° 19' 00" E	428 m
El Garet (see Al Garef)	Sudan	12° 03' 00" N 34° 19' 00" E	428 m
Elisabetha (see also: Elizabetha)	Congo (Democratic Republic of the)	1° 09' 00" N 23° 36' 00" E	428 m
Elizabetha (see Elisabetha)	Congo (Democratic Republic of the)	1° 09' 00" N 23° 36' 00" E	428 m
Basoko	Congo (Democratic Republic of the)	1° 14' 00" N 23° 36' 00" E	429 m
Bomane (see Bomaneh)	Congo (Democratic Republic of the)	1° 18' 00" N 23° 47' 00" E	429 m
Bomaneh (see also: Bomane)	Congo (Democratic Republic of the)	1° 18' 00" N 23° 47' 00" E	429 m
Disa (see Disah)	Sudan	12° 02' 00" N 34° 19' 00" E	429 m
Disah (see also: Disa)	Sudan	12° 02' 00" N 34° 19' 00" E	429 m
Kadioa (see Kadyoha)	Côte d'Ivoire	8° 58' 00" N 5° 53' 00" W	429 m
Kadioha (see Kadyoha)	Côte d'Ivoire	8° 58' 00" N 5° 53' 00" W	429 m

Kadyoha (see also: Kadioa, Kadioha)	Côte d'Ivoire	8° 58' 00" N 5° 53' 00" W	429 m
Wau	South Sudan	7° 42' 00" N 28° 00' 00" E	429 m
Waw	South Sudan	7° 42' 00" N 28° 00' 00" E	429 m
Yokamba Elongo	Congo (Democratic Republic of the)	0° 01' 00" N 22° 17' 00" E	429 m
Buemoukolo cave, at western edge of Bazimini	Comoro Islands	12° 10' 50" S 44° 26' 46" E	430 m
Farm Stones Hill, 5 km S, 5 km E Grahamstown (see also: Grahamstown, 5 km S, 5 km E, Stones Hill, Farm)	South Africa	33° 20' 00" S 26° 34' 00" E	430 m
Grahamstown, 5 km S, 5 km E (see Farm Stones Hill)	South Africa	33° 20' 00" S 26° 34' 00" E	430 m
Marhouma (see also: Markouma)	Algeria	30° 00' 16" N 2° 04' 14" W	430 m
Markouma (see Marhouma)	Algeria	30° 00' 16" N 2° 04' 14" W	430 m
Port Elisabeth, 26 mi [=42 km] W (see Van Staden's Valley)	South Africa	33° 54' 00" S 25° 12' 00" E	430 m
Stadenspas (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa	33° 54' 00" S 25° 12' 00" E	430 m
Stones Hill, Farm (see Farm Stones Hill)	South Africa	33° 20' 00" S 26° 34' 00" E	430 m
Van Staaden River Pass (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa	33° 54' 00" S 25° 12' 00" E	430 m
Van Staadens Pass (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa	33° 54' 00" S 25° 12' 00" E	430 m
Van Staden's Valley (see also: Port Elisabeth, 26 mi [=42 km] W, Stadenspas, Van Staaden River Pass, Van Staadens Pass, Van Stadenspas)	South Africa	33° 53' 00" S 25° 15' 00" E	430 m
Van Stadenspas (see Van Staden's Valley), 26 km [=42 km] W Port Elisabeth	South Africa	33° 54' 00" S 25° 12' 00" E	430 m
Yahama (see Yama)	Côte d'Ivoire	9° 36' 02" N 6° 18' 38" W	430 m
Yama (see also: Yahama)	Côte d'Ivoire	9° 36' 02" N 6° 18' 38" W	430 m
Banalia	Congo (Democratic Republic of the)	1° 33' 00" N 25° 20' 00" E	432 m
Koteli (see Kotili)	Congo (Democratic Republic of the)	2° 52' 00" N 24° 33' 00" E	432 m
Kotili (see also: Koteli)	Congo (Democratic Republic of the)	2° 52' 00" N 24° 33' 00" E	432 m
Sainte Elisabeth	Congo (Democratic Republic of the)	1° 33' 00" N 25° 20' 00" E	432 m
Kisala (see Kisala-Kiama)	Congo (Democratic Republic of the)	4° 48' 00" S 13° 10' 00" E	433 m
Kisala Nkiama (see Kisala-Kiama)	Congo (Democratic Republic of the)	4° 48' 00" S 13° 10' 00" E	433 m
Kisala-Kiama (see also: Kisala, Kisala Nkiama)	Congo (Democratic Republic of the)	4° 48' 00" S 13° 10' 00" E	433 m
Ngilima, Wologizi Mountain Range	Liberia	8° 05' 12" N 10° 07' 36" W	433 m
Buta	Congo (Democratic Republic of the)	2° 48' 00" N 24° 44' 00" E	434 m
Gboko, 7 mi [=11 km] SE (see Mkar)	Nigeria	7° 20' 00" N 9° 02' 00" E	434 m
Kranskloof Nature Reserve (see Krantzkloof Nature Reserve), Durban, Kloof	South Africa	29° 46' 00" S 30° 50' 00" E	434 m
Krantzkloof Nature Reserve (see also: Kranskloof Nature Reserve, Kranzkloof Nature Reserve)	South Africa	29° 46' 00" S 30° 50' 00" E	434 m
Kranzkloof Nature Reserve (see Krantzkloof Nature Reserve)	South Africa	29° 46' 00" S 30° 50' 00" E	434 m
Mkar, 7 mi [=11 km] SE Gboko (see also: Gboko, 7 mi [=11 km] SE)	Nigeria	7° 20' 00" N 9° 02' 00" E	434 m
Panga	Congo (Democratic Republic of the)	1° 51' 00" N 26° 25' 00" E	434 m
Bisoro Balve (see Bissoro)	Cameroon	4° 45' 20" N 9° 10' 25" E	435 m
Bissoro (see also: Bisoro Balve)	Cameroon	4° 45' 20" N 9° 10' 25" E	435 m
Soubroukou	Benin	9° 41' 00" N 1° 38' 00" E	435 m
Gounda camp	Central African Republic	9° 03' 00" N 21° 12' 00" E	436 m
Sakana	Madagascar	17° 18' 00" S 49° 02' 00" E	436 m
Sakei stream, headwaters (see Sakeji stream, headwaters)	Zambia	11° 21' 00" S 24° 15' 00" E	436 m
Sakeji stream, headwaters (see also: Sakei stream, headwaters, Sekezhi stream, headwaters)	Zambia	11° 21' 00" S 24° 15' 00" E	436 m
Sekezhi stream, headwaters (see Sakeji stream, headwaters)	Zambia	11° 21' 00" S 24° 15' 00" E	436 m
Sharkaylah (see Shurkela)	Sudan	12° 49' 00" N 31° 25' 00" E	436 m

Sherkeila (see Shurkela)	Sudan	12° 49' 00" N 31° 25' 00" E	436 m
Shurkela (see also: Sharkaylah, Sherkeila)	Sudan	12° 49' 00" N 31° 25' 00" E	436 m
Tarakaka (see Terakeka)	South Sudan	5° 27' 07" N 31° 45' 14" E	436 m
Terakeka (see also: Tarakaka, Terrakekka, Terrakka)	South Sudan	5° 27' 07" N 31° 45' 14" E	436 m
Terrakekka (see Terakeka)	South Sudan	5° 27' 07" N 31° 45' 14" E	436 m
Terrakka (see Terakeka)	South Sudan	5° 27' 07" N 31° 45' 14" E	436 m
Chiredzi, Buffalo Range	Zimbabwe	21° 03' 00" S 31° 40' 00" E	437 m
Djabir	Congo (Democratic Republic of the)	0° 32' 00" N 24° 05' 00" E	437 m
Musela (see Musola)	Equatorial Guinea	3° 26' 00" N 8° 37' 00" E	437 m
Musola (see also: Musela)	Equatorial Guinea	3° 26' 00" N 8° 37' 00" E	437 m
Yangambi	Congo (Democratic Republic of the)	0° 47' 00" N 24° 28' 00" E	437 m
Goré	Chad	7° 55' 00" N 16° 38' 00" E	438 m
Kikwit (see also: Kikwit ITPK)	Congo (Democratic Republic of the)	5° 03' 44" S 18° 52' 38" E	438 m
Kikwit ITPK (see Kikwit)	Congo (Democratic Republic of the)	5° 03' 44" S 18° 52' 38" E	438 m
Yirol	South Sudan	6° 33' 24" N 30° 30' 13" E	438 m
Arhli (see Arlit)	Niger	18° 44' 13" N 7° 23' 07" E	439 m
Arlit (see also: Arhli)	Niger	18° 44' 13" N 7° 23' 07" E	439 m
Keiro (see also: Kiro, Sim Sima, Simsima)	South Sudan	5° 19' 48" N 31° 45' 22" E	439 m
Kiro (see Keiro)	South Sudan	5° 19' 48" N 31° 45' 22" E	439 m
Kumawu	Ghana	6° 54' 00" N 1° 17' 00" W	439 m
Sim Sima (see Keiro)	South Sudan	5° 19' 48" N 31° 45' 22" E	439 m
Simsima (see Keiro)	South Sudan	5° 19' 48" N 31° 45' 22" E	439 m
Bunzoga (see Bunzuqah)	Sudan	12° 31' 00" N 34° 09' 00" E	440 m
Bunzoqa (see Bunzuqah)	Sudan	12° 31' 00" N 34° 09' 00" E	440 m
Bunzuga (see Bunzuqah)	Sudan	12° 31' 00" N 34° 09' 00" E	440 m
Bunzuqah (see also: Bunzoga, Bunzoqa, Bunzuga)	Sudan	12° 31' 00" N 34° 09' 00" E	440 m
Sibidi (see Sibiti)	Congo	3° 41' 09" S 13° 20' 45" E	440 m
Sibiti (see also: Sibidi)	Congo	3° 41' 09" S 13° 20' 45" E	440 m
Sibiti cave	Congo	3° 41' 09" S 13° 20' 45" E	440 m
Badjoki - Bumba (see Bodjoki - Bumba)	Congo (Democratic Republic of the)	2° 59' 00" N 22° 18' 00" E	441 m
Bodjoki - Bumba (see also: Badjoki - Bumba)	Congo (Democratic Republic of the)	2° 59' 00" N 22° 18' 00" E	441 m
Tamaghzah oasis (see also: Tamerza oasis)	Tunisia	34° 23' 00" N 7° 57' 00" E	441 m
Tamerza oasis (see Tamaghzah oasis)	Tunisia	34° 23' 00" N 7° 57' 00" E	441 m
Djembe (see Nola)	Central African Republic	3° 32' 00" N 16° 04' 00" E	442 m
Farm 23MT (Scrutton) (see Farm Scrutton 23MT), 32 km E Messina	South Africa	22° 21' 00" S 30° 21' 00" E	442 m
Farm Scrutton 23MT, 32 km E Messina (see also: Farm 23MT (Scrutton), Messina, 32 km E, Scrutton, Farm 23MT)	South Africa	22° 21' 00" S 30° 21' 00" E	442 m
Messina, 32 km E (see Farm Scrutton 23MT)	South Africa	22° 21' 00" S 30° 21' 00" E	442 m
Nola (see also: Djembe)	Central African Republic	3° 32' 00" N 16° 04' 00" E	442 m
Scrutton, Farm 23MT (see Farm Scrutton 23MT), 32 km E Messina	South Africa	22° 21' 00" S 30° 21' 00" E	442 m
Yalokele	Congo (Democratic Republic of the)	0° 39' 44" S 22° 47' 53" E	443 m
Bergplaas (see also: Bergplaast)	South Africa	33° 53' 00" S 22° 40' 00" E	444 m
Bergplaast (see Bergplaas)	South Africa	33° 53' 00" S 22° 40' 00" E	444 m
Bionga (see also: Biyonga)	Congo (Democratic Republic of the)	0° 34' 00" S 23° 00' 00" E	444 m
Biyonga (see Bionga)	Congo (Democratic Republic of the)	0° 34' 00" S 23° 00' 00" E	444 m
Bomili	Congo (Democratic Republic of the)	1° 40' 00" N 27° 01' 00" E	444 m
Boundiali (see also: Boundiouli)	Côte d'Ivoire	9° 31' 18" N 6° 29' 13" W	444 m
Boundiouli (see Boundiali)	Côte d'Ivoire	9° 31' 18" N 6° 29' 13" W	444 m
Gounda River bridge, National Highway, between Ndele and Vakaga	Central African Republic	8° 41' 00" N 21° 30' 00" E	445 m
Begoro	Ghana	6° 17' 00" N 0° 23' 00" W	447 m

Kisangani (see also: Singitini, Stanleystad, Stanleyville, Université de Kisangani, Faculté des Sciences, Zookis)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Singitini (see Kisangani)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Stanleystad (see Kisangani)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Stanleyville (see Kisangani)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Université de Kisangani, Faculté des Sciences (see Kisangani)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Zookis (see Kisangani)	Congo (Democratic Republic of the)		0° 31' 00" N 25° 12' 00" E	447 m
Kanyol (see also: Kanyol)	Cameroon		2° 43' 00" N 15° 17' 00" E	448 m
Kanyol (see Kanyol)	Cameroon		2° 43' 00" N 15° 17' 00" E	448 m
Lado (see also: Jabal Lado, Jebel Nirkenyi, Lado, Jabal, Lado, mount, Mount Lado, Nirkenyi, Jebel)	South Sudan		5° 02' 02" N 31° 41' 07" E	448 m
Bembéréké (see Bimbéréké)	Benin		10° 14' 00" N 2° 40' 00" E	449 m
Bimbéréké (see also: Bembéréké)	Benin		10° 14' 00" N 2° 40' 00" E	449 m
Abu Zor	Sudan		12° 22' 00" N 34° 22' 00" E	450 m
Balasi	South Africa		32° 51' 00" S 27° 24' 00" E	450 m
Godeni, E	South Africa		28° 05' 00" S 32° 02' 00" E	450 m
Izele (Farmstead), near King William's Town (see also: Izele convent, Zele convent)	South Africa		32° 49' 00" S 27° 24' 00" E	450 m
Izele convent (see Izele (Farmstead))	South Africa		32° 49' 00" S 27° 24' 00" E	450 m
Kanaka Bat Cave	Mauritius		20° 24' 46" S 57° 31' 20" E	450 m
Keoulenta	Guinea		7° 40' 48" N 8° 18' 36" W	450 m
Lodja (see also: Loja)	Congo (Democratic Republic of the)		3° 29' 00" S 23° 26' 00" E	450 m
Loja (see Lodja)	Congo (Democratic Republic of the)		3° 29' 00" S 23° 26' 00" E	450 m
Maungu Hill, Voi, 48 km SE (see also: Voi, 48 km SE)	Kenya		3° 37' 30" S 38° 37' 30" E	450 m
Mount Wagga (see Wagga, mount), near Berebera	Sudan		16° 09' 10" N 36° 12' 15" E	450 m
Sennaar, 20 mi [=32 km] above	Sudan	ca.	13° 35' 00" N 33° 38' 00" E	450 m
Voi, 48 km SE (see Maungu Hill)	Kenya		3° 37' 30" S 38° 37' 30" E	450 m
Wagga, mount, near Berebera (see also: Mount Wagga)	Sudan		16° 09' 10" N 36° 12' 15" E	450 m
Zele convent (see Izele (Farmstead))	South Africa		32° 49' 00" S 27° 24' 00" E	450 m
Ziggida, 10.5 km N, 1 km E (see Zigida, 10.5 km N, 1 km E)	Liberia	ca.	8° 07' 51" N 9° 28' 54" W	450 m
Zigida, 10.5 km N, 1 km E (see also: Ziggida, 10.5 km N, 1 km E)	Liberia	ca.	8° 07' 51" N 9° 28' 54" W	450 m
Kakoi, near Kikwit	Congo (Democratic Republic of the)		5° 06' 11" S 18° 55' 58" E	451 m
Kienko (see Tyenko)	Côte d'Ivoire		8° 14' 00" N 7° 34' 00" W	451 m
Tienko (see Tyenko)	Côte d'Ivoire		8° 14' 00" N 7° 34' 00" W	451 m
Tyenko (see also: Kienko, Tienko)	Côte d'Ivoire		8° 14' 00" N 7° 34' 00" W	451 m
Obienné-Sienso (see Odienné-Siènso)	Côte d'Ivoire		9° 24' 49" N 7° 30' 56" W	452 m
Odienné-Siènso (see also: Obienné-Sienso, Sienso)	Côte d'Ivoire		9° 24' 49" N 7° 30' 56" W	452 m
Sienso (see Odienné-Siènso)	Côte d'Ivoire		9° 24' 49" N 7° 30' 56" W	452 m
Fô	Burkina Faso		11° 53' 00" N 4° 31' 00" W	453 m
Galgala (see Galgalo Oase)	Somalia		10° 58' 00" N 49° 05' 00" E	453 m
Galgalla (see Galgalo Oase)	Somalia		10° 58' 00" N 49° 05' 00" E	453 m
Galgalo Oase (see also: Galgala, Galgalla)	Somalia		10° 58' 00" N 49° 05' 00" E	453 m
Karawa	Congo (Democratic Republic of the)		3° 20' 00" N 20° 18' 00" E	453 m
Kisangani, 45 km E (see Tshakala)	Congo (Democratic Republic of the)		0° 27' 27" N 25° 32' 05" E	453 m
Kpawalazu (see Kpawolozu)	Liberia		7° 36' 56" N 9° 45' 52" W	453 m
Kpawolozu (see also: Kpawalazu, Kpawuluzu, Movodo, Pawalozo)	Liberia		7° 36' 56" N 9° 45' 52" W	453 m
Kpawuluzu (see Kpawolozu)	Liberia		7° 36' 56" N 9° 45' 52" W	453 m
Movodo (see Kpawolozu)	Liberia		7° 36' 56" N 9° 45' 52" W	453 m
Pawalozo (see Kpawolozu)	Liberia		7° 36' 56" N 9° 45' 52" W	453 m
Tschakala (see Tshakala), 45 km E Kisangani	Congo (Democratic Republic of the)		0° 27' 27" N 25° 32' 05" E	453 m

Tshakala, 45 km E Kisangani (see also: Kisangani, 45 km E, Tschakala)	Congo (Democratic Republic of the)		0° 27' 27" N 25° 32' 05" E	453 m
Nachtigal	Cameroon		4° 21' 00" N 11° 38' 00" E	454 m
Bamingui	Central African Republic		7° 34' 00" N 20° 11' 00" E	456 m
Binaparba	Togo		9° 14' 00" N 0° 46' 00" E	456 m
Bolo (see Booro)	Côte d'Ivoire		8° 29' 00" N 7° 34' 00" W	456 m
In Gall (see Ingal)	Niger		16° 47' 10" N 6° 56' 01" E	456 m
Ingal (see also: In Gall, In-Gal, I-n-Gall)	Niger		16° 47' 10" N 6° 56' 01" E	456 m
In-Gal (see Ingal)	Niger		16° 47' 10" N 6° 56' 01" E	456 m
I-n-Gall (see Ingal)	Niger		16° 47' 10" N 6° 56' 01" E	456 m
Kabala (see also: Kaballa)	Sierra Leone		9° 35' 00" N 11° 33' 00" W	456 m
Kaballa (see Kabala)	Sierra Leone		9° 35' 00" N 11° 33' 00" W	456 m
Tandala	Congo (Democratic Republic of the)		2° 58' 00" N 19° 21' 00" E	456 m
Yayama	Congo (Democratic Republic of the)		1° 16' 00" S 23° 07' 00" E	456 m
Ayos, 67 km W (see Njombo River)	Cameroon		3° 39' 00" N 11° 58' 00" E	457 m
Bangassou (see also: Bangassu, Bangasu)	Central African Republic		4° 44' 00" N 22° 49' 00" E	457 m
Bangassu (see Bangassou)	Central African Republic		4° 44' 00" N 22° 49' 00" E	457 m
Bangasu (see Bangassou)	Central African Republic		4° 44' 00" N 22° 49' 00" E	457 m
Barombi, Lake (see also: Barombi-Mbo, lake, Lake Barombi, Lake Barombi-Mbo)	Cameroon		4° 39' 00" N 9° 25' 00" E	457 m
Barombi-Mbo, lake (see Barombi, Lake)	Cameroon		4° 39' 00" N 9° 25' 00" E	457 m
Kinna	Kenya		0° 19' 00" N 38° 12' 00" E	457 m
Lake Barombi (see Barombi, Lake)	Cameroon		4° 39' 00" N 9° 25' 00" E	457 m
Lake Barombi-Mbo (see Barombi, Lake)	Cameroon		4° 39' 00" N 9° 25' 00" E	457 m
Lake Malawi (see Nyasa, lake)	Malawi		12° 00' 00" S 34° 30' 00" E	457 m
Lake Nyasa (see Nyasa, lake)	Malawi		12° 00' 00" S 34° 30' 00" E	457 m
Malawi, lake (see Nyasa, lake)	Malawi		12° 00' 00" S 34° 30' 00" E	457 m
Maninday, near	Madagascar	ca.	22° 47' 00" S 44° 48' 00" E	457 m
Njombo River, 67 km W Ayos (see also: Ayos, 67 km W)	Cameroon		3° 39' 00" N 11° 58' 00" E	ca. 457 m
Ségélo-Koro (see also: Séguélo)	Côte d'Ivoire		9° 24' 31" N 7° 09' 00" W	457 m
Séguélo (see Ségélo-Koro)	Côte d'Ivoire		9° 24' 31" N 7° 09' 00" W	457 m
Agame-Koutoukapa (see Agomé Koutoukpa)	Togo		7° 31' 00" N 0° 59' 00" E	458 m
Agomé Koutoukpa (see also: Agame-Koutoukapa, Agomé-Kotukpa, Koutoukpa)	Togo		7° 31' 00" N 0° 59' 00" E	458 m
Agomé-Kotukpa (see Agomé Koutoukpa)	Togo		7° 31' 00" N 0° 59' 00" E	458 m
Koutoukpa (see Agomé Koutoukpa)	Togo		7° 31' 00" N 0° 59' 00" E	458 m
Turiani	Tanzania		6° 09' 00" S 37° 36' 00" E	458 m
Falea	Mali		12° 15' 51" N 11° 16' 38" W	459 m
Mamfe (see also: Ossidinge, Ossidingi)	Cameroon		5° 46' 00" N 9° 17' 00" E	459 m
Ad Duwayrat (see Douirat)	Tunisia		32° 52' 00" N 10° 17' 00" E	460 m
Andries Vosloo Kudu Resserve, 19.2 km N, 18.3 km E Grahamstown (see also: Grahamstown, 19.2 km N, 18.3 km E)	South Africa		33° 08' 12" S 26° 43' 17" E	460 m
Birnin-Kudu, 75 mi [=120 km] SE Kano (see also: Birninkudu, Kano, 75 mi [=120 km] SE)	Nigeria		11° 27' 00" N 8° 30' 00" E	460 m
Birninkudu (see Birnin-Kudu), 75 mi [=120 km] SE Kano	Nigeria		11° 27' 00" N 8° 30' 00" E	460 m
Douirat (see also: Ad Duwayrat)	Tunisia		32° 52' 00" N 10° 17' 00" E	460 m
Grahamstown, 19.2 km N, 18.3 km E (see Andries Vosloo Kudu Resserve)	South Africa		33° 08' 12" S 26° 43' 17" E	460 m
Hiabisa (see Hlabisa)	South Africa		28° 08' 00" S 31° 52' 00" E	460 m
Hlabisa (see also: Hiabisa)	South Africa		28° 08' 00" S 31° 52' 00" E	460 m
Ikole (see also: Ipole)	Nigeria		7° 47' 23" N 5° 30' 38" E	460 m
Ipole (see Ikole)	Nigeria		7° 47' 23" N 5° 30' 38" E	460 m
Kano, 75 mi [=120 km] SE (see Birnin-Kudu)	Nigeria		11° 27' 00" N 8° 30' 00" E	460 m
Komono	Congo		3° 16' 39" S 13° 13' 34" E	460 m
Bakwa-Kenge (see also: Bakwakenge)	Congo (Democratic Republic of the)		4° 51' 00" S 22° 04' 00" E	461 m
Bakwakenge (see Bakwa-Kenge)	Congo (Democratic Republic of the)		4° 51' 00" S 22° 04' 00" E	461 m

Raffili, 90 mi [=145 km] S Wau (see also: Rafili, Wau, 90 mi [=145 km] S)	South Sudan		6° 51' 00" N 27° 59' 00" E	463 m
Rafili (see Raffili), 90 mi [=145 km] S Wau	South Sudan		6° 51' 00" N 27° 59' 00" E	463 m
Wau, 90 mi [=145 km] S (see Raffili)	South Sudan		6° 51' 00" N 27° 59' 00" E	463 m
Badaws (see also: Bados)	Sudan		12° 09' 00" N 34° 19' 00" E	464 m
Bados (see Badaws)	Sudan		12° 09' 00" N 34° 19' 00" E	464 m
Mwaya, Kilwa	Tanzania		8° 55' 00" S 36° 50' 00" E	464 m
Omaniumdu	Congo (Democratic Republic of the)		3° 21' 00" S 23° 16' 00" E	464 m
Bambari, 300 km NE Bangui (see also: Bangui, 300 km NE)	Central African Republic		5° 46' 05" N 20° 40' 32" E	465 m
Bangui, 300 km NE (see Bambari)	Central African Republic		5° 46' 05" N 20° 40' 32" E	465 m
Fazogli (see Fazughli)	Sudan		11° 17' 00" N 34° 46' 00" E	465 m
Fazughli, near Roseres (see also: Fazogli)	Sudan		11° 17' 00" N 34° 46' 00" E	465 m
Gondokoro, 25 mi [=40 km] N (see Mongalla)	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Mangala (see Mongalla), 25 mi [=37.5 km] N Gondokoro	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Manqalah (see Mongalla)	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Mongala (see Mongalla)	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Mongalla (see also: Gondokoro, 25 mi [=40 km] N, Mangala, Manqalah, Mongala, Monqala)	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Monqala (see Mongalla)	South Sudan		5° 10' 57" N 31° 45' 00" E	466 m
Mueka (see Mweka)	Congo (Democratic Republic of the)		4° 51' 00" S 21° 34' 00" E	466 m
Mweka (see also: Mueka, Mweka Kasai)	Congo (Democratic Republic of the)		4° 51' 00" S 21° 34' 00" E	466 m
Mweka Kasai (see Mweka)	Congo (Democratic Republic of the)		4° 51' 00" S 21° 34' 00" E	466 m
Bafia area	Cameroon	ca.	4° 45' 00" N 11° 14' 00" E	ca. 467 m
El Serifa (see Surayfah)	Sudan		11° 28' 00" N 34° 32' 00" E	467 m
Sereifa (see Surayfah)	Sudan		11° 28' 00" N 34° 32' 00" E	467 m
Surayfah (see also: El Serifa, Sereifa)	Sudan		11° 28' 00" N 34° 32' 00" E	467 m
Talawdi (see also: Talodi)	Sudan		10° 38' 11" N 30° 22' 47" E	467 m
Talodi (see Talawdi)	Sudan		10° 38' 11" N 30° 22' 47" E	467 m
Livale (see Liwale)	Tanzania		9° 46' 00" S 37° 56' 00" E	468 m
Liwale (see also: Livale, Liwale T.T.)	Tanzania		9° 46' 00" S 37° 56' 00" E	468 m
Liwale T.T. (see Liwale)	Tanzania		9° 46' 00" S 37° 56' 00" E	468 m
Sakaraha (see also: Sakaray)	Madagascar		22° 54' 00" S 44° 32' 00" E	468 m
Sakaray (see Sakaraha)	Madagascar		22° 54' 00" S 44° 32' 00" E	468 m
Babongena	Congo (Democratic Republic of the)		0° 29' 23" N 25° 42' 21" E	469 m
Bamingui-Bangoran National Park	Central African Republic		7° 55' 00" N 20° 15' 00" E	469 m
Birao	Central African Republic		10° 17' 00" N 22° 47' 00" E	469 m
Dokoa (see also: Ondokoa)	Cameroon		4° 22' 00" N 11° 44' 00" E	469 m
Evuenam (see also: Evuennam)	Equatorial Guinea		1° 29' 00" N 9° 47' 00" E	469 m
Evuennam (see Evuenam)	Equatorial Guinea		1° 29' 00" N 9° 47' 00" E	469 m
Fort Johnston (see Mangochi), District HQ	Malawi		14° 28' 00" S 35° 16' 00" E	469 m
Mangoche (see Mangochi), District HQ	Malawi		14° 28' 00" S 35° 16' 00" E	469 m
Mangochi, District HQ (see also: Fort Johnston, Mangoche, Mponda)	Malawi		14° 28' 00" S 35° 16' 00" E	469 m
Mponda (see Mangochi), District HQ	Malawi		14° 28' 00" S 35° 16' 00" E	469 m
Ondokoa (see Dokoa)	Cameroon		4° 22' 00" N 11° 44' 00" E	469 m
Saxenhof	Cameroon		4° 05' 54" N 9° 13' 02" E	469 m
Béni Abbès (see also: Beni Abbes)	Algeria		30° 08' 00" N 2° 10' 00" W	470 m
Beni Abbes (see Béni Abbès) (see also: Benni Abbes)	Algeria		30° 08' 00" N 2° 10' 00" W	470 m
Benni Abbes (see Beni Abbes)	Algeria		30° 08' 00" N 2° 10' 00" W	470 m
Kinda	Congo (Democratic Republic of the)		4° 47' 00" S 21° 48' 00" E	470 m
Sukisa	Congo (Democratic Republic of the)		2° 19' 05" N 24° 59' 17" E	470 m
Kota Kota (see Nkhotakota), W Lake Nyasa	Malawi		12° 55' 00" S 34° 18' 00" E	471 m
Kota-Kota (see Nkhotakota)	Malawi		12° 55' 00" S 34° 18' 00" E	471 m
Nkata (see Nkhata Bay), Doctors house	Malawi		11° 36' 00" S 34° 18' 00" E	471 m

Nkata Bay (see Nkhata Bay), Doctors house	Malawi	11° 36' 00" S 34° 18' 00" E	471 m
Nkhata Bay, Doctors house	Malawi	11° 36' 00" S 34° 18' 00" E	471 m
(see also: Nkata, Nkata Bay, Nkhota Bay)			
Nkhota Bay (see Nkhata Bay)	Malawi	11° 36' 00" S 34° 18' 00" E	471 m
Nkhotakota	Malawi	12° 55' 00" S 34° 18' 00" E	471 m
(see also: Kota Kota, Kota-Kota, Nkhota-Kota)			
Nkhota-Kota (see Nkhotakota)	Malawi	12° 55' 00" S 34° 18' 00" E	471 m
Muaja (see Mwaya), small port at N end Lake Nyasa	Tanzania	9° 33' 00" S 33° 57' 00" E	472 m
Mvaya (see Mwaya), small port at N end Lake Nyasa	Tanzania	9° 33' 00" S 33° 57' 00" E	472 m
Mwaya, small port at N end Lake Nyasa	Tanzania	9° 33' 00" S 33° 57' 00" E	472 m
(see also: Muaja, Mvaya)			
Semei (see Sumay?)	Sudan	12° 43' 00" N 30° 50' 00" E	472 m
Semeih (see Sumay?)	Sudan	12° 43' 00" N 30° 50' 00" E	472 m
Semeiha (see Sumay?)	Sudan	12° 43' 00" N 30° 50' 00" E	472 m
Semeith (see Sumay?)	Sudan	12° 43' 00" N 30° 50' 00" E	472 m
Sumay?	Sudan	12° 43' 00" N 30° 50' 00" E	472 m
(see also: Semei, Semeih, Semeiha, Semeith)			
Lindi, 50-60 km W (see Rondo Forest Reserve)	Tanzania	10° 09' 00" S 39° 15' 00" E	ca. 473 m
Misahoehe (see Missahohé)	Togo	6° 57' 00" N 0° 35' 00" E	473 m
Misahohe (see Missahohé)	Togo	6° 57' 00" N 0° 35' 00" E	473 m
Misahöhé (see Missahohé)	Togo	6° 57' 00" N 0° 35' 00" E	473 m
Missahohé	Togo	6° 57' 00" N 0° 35' 00" E	473 m
(see also: Misahoehe, Misahohe, Misahöhé)			
Rondo Flat [forest] (see Rondo Forest Reserve), 50-60 km W Lindi	Tanzania	10° 09' 00" S 39° 15' 00" E	ca. 473 m
Rondo Forest Reserve, 50-60 km W Lindi	Tanzania	10° 09' 00" S 39° 15' 00" E	ca. 473 m
(see also: Lindi, 50-60 km W, Rondo Flat [forest])			
Kinkole, 25 mi [= 40 km] N of Kinshasa	Congo (Democratic Republic of the)	3° 57' 00" S 16° 07' 00" E	474 m
Mágoè	Mozambique	15° 48' 22" S 31° 45' 03" E	474 m
(see also: Magüè, Mague Novo, Mague, new)			
Magüè (see Mágoè)	Mozambique	15° 48' 22" S 31° 45' 03" E	474 m
Mague Novo (see Mágoè)	Mozambique	15° 48' 22" S 31° 45' 03" E	474 m
Mague, new (see Mágoè)	Mozambique	15° 48' 22" S 31° 45' 03" E	474 m
Gbapa (see Gbarpa)	Liberia	7° 29' 03" N 8° 36' 49" W	475 m
Gbarpa	Liberia	7° 29' 03" N 8° 36' 49" W	475 m
(see also: Gbapa)			
Salima-Senga Bay	Malawi	13° 43' 00" S 34° 38' 00" E	475 m
Aldeia Milepa, Rukwa valley	Mozambique	11° 44' 02" S 36° 17' 32" E	476 m
(see also: Milepa)			
Kano	Nigeria	11° 59' 47" N 8° 31' 00" E	476 m
Langenburg (see Lumbira)	Tanzania	9° 34' 00" S 34° 08' 00" E	476 m
Lumbira	Tanzania	9° 34' 00" S 34° 08' 00" E	476 m
(see also: Langenburg, Old Langenburg, Rumbira)			
Milepa (see Aldeia Milepa), Rukwa valley	Mozambique	11° 44' 02" S 36° 17' 32" E	476 m
Old Langenburg (see Lumbira)	Tanzania	9° 34' 00" S 34° 08' 00" E	476 m
Rumbira (see Lumbira)	Tanzania	9° 34' 00" S 34° 08' 00" E	476 m
Karonga	Malawi	9° 56' 00" S 33° 56' 00" E	477 m
(see also: Karonga Beach)			
Karonga Beach (see Karonga)	Malawi	9° 56' 00" S 33° 56' 00" E	477 m
Lodwar	Kenya	3° 07' 00" N 35° 36' 00" E	477 m
Tsiandra (see Tsiandro)	Madagascar	18° 44' 00" S 44° 54' 00" E	477 m
Tsiandro	Madagascar	18° 44' 00" S 44° 54' 00" E	477 m
(see also: Tsiandra)			
Luebo	Congo (Democratic Republic of the)	5° 21' 00" S 21° 25' 00" E	478 m
Zinder	Niger	13° 48' 00" N 8° 59' 00" E	479 m
Alexander Bay, 36.2 km N, 47.5 km E (see Richtersveld)	South Africa	28° 17' 29" S 16° 58' 13" E	480 m
Golden Sands Camp, Cape Maclear; on N side of Domwe Island	Malawi	13° 58' 05" S 34° 49' 15" E	480 m
Livingstonia Beach (hotel)	Malawi	13° 43' 00" S 34° 37' 00" E	480 m
Mvuu Camp	Malawi	14° 51' 04" S 35° 17' 43" E	480 m
Richtersveld, 36.2 km N, 47.5 km E Alexander Bay	South Africa	28° 17' 29" S 16° 58' 13" E	480 m
(see also: Alexander Bay, 36.2 km N, 47.5 km E)			
Edzamangen	Gabon	0° 36' 00" N 12° 44' 00" E	481 m
(see also: Edzameyen)			
Edzameyen (see Edzamangen)	Gabon	0° 36' 00" N 12° 44' 00" E	481 m
Chinteche (see Chintheche)	Malawi	11° 50' 00" S 34° 10' 00" E	482 m
Chintechi (see Chintheche)	Malawi	11° 50' 00" S 34° 10' 00" E	482 m
Chinteji (see Chintheche)	Malawi	11° 50' 00" S 34° 10' 00" E	482 m
Chintheche	Malawi	11° 50' 00" S 34° 10' 00" E	482 m
(see also: Chinteche, Chintechi, Chinteji)			
Gbaolé	Guinea	7° 26' 30" N 9° 14' 34" W	482 m
Luigi Razza (see Massah)	Libya	32° 45' 07" N 21° 37' 36" E	482 m

Massah (see also: Luigi Razza, Méssa, Razza)	Libya		32° 45' 07" N 21° 37' 36" E	482 m
Méssa (see Massah)	Libya		32° 45' 07" N 21° 37' 36" E	482 m
Razza (see Massah)	Libya		32° 45' 07" N 21° 37' 36" E	482 m
Bébaé (see also: Bebai)	Cameroon		2° 45' 00" N 11° 05' 00" E	483 m
Bebai (see Bébaé)	Cameroon		2° 45' 00" N 11° 05' 00" E	483 m
New Camp Forest	Liberia		7° 28' 52" N 8° 34' 33" W	483 m
Eyen Meyong (see Eyenméyong)	Cameroon		4° 11' 00" N 11° 13' 00" E	484 m
Eyenméyong (see also: Eyen Meyong)	Cameroon		4° 11' 00" N 11° 13' 00" E	484 m
Amadi	South Sudan		5° 30' 57" N 30° 20' 09" E	485 m
Chikapa (see Tshikapa)	Congo (Democratic Republic of the)		6° 25' 00" S 20° 48' 00" E	485 m
Koza	Cameroon		10° 52' 08" N 13° 52' 51" E	485 m
Metek (see Métet), 62 km NNW Sangmélima	Cameroon		3° 26' 00" N 11° 45' 00" E	485 m
Métet, 62 km NNW Sangmélima (see also: Metek, Metet, Nyong River, near, Sangmélima, 62 km NNW)	Cameroon		3° 26' 00" N 11° 45' 00" E	485 m
Metet (see Métet), Sangmelima, 62 km NNW	Cameroon		3° 26' 00" N 11° 43' 00" E	485 m
Mkomasi (see Mkomazi)	Tanzania		4° 38' 00" S 38° 05' 00" E	485 m
Mkomazi (see also: Mkomasi)	Tanzania		4° 38' 00" S 38° 05' 00" E	485 m
Nyong River, near (see Métet)	Cameroon		3° 26' 00" N 11° 45' 00" E	485 m
Popokabaka, via Inkisi	Congo (Democratic Republic of the)		5° 42' 00" S 16° 35' 00" E	485 m
Tshikapa (see also: Chikapa)	Congo (Democratic Republic of the)		6° 25' 00" S 20° 48' 00" E	485 m
Aradeiba, Jebel Korongo	Sudan		11° 41' 00" N 34° 21' 00" E	486 m
Elila	Congo (Democratic Republic of the)		2° 43' 00" S 25° 53' 00" E	486 m
Newington	South Africa		24° 49' 00" S 31° 17' 00" E	487 m
Agou (see Agou Gadzépé)	Togo		6° 53' 00" N 0° 44' 00" E	488 m
Agou Gadzépé (see also: Agou, Agou-Nyongbo)	Togo		6° 53' 00" N 0° 44' 00" E	488 m
Agou-Nyongbo (see Agou Gadzépé)	Togo		6° 53' 00" N 0° 44' 00" E	488 m
Batoala (see also: Batouala, Makokou, 96 km E)	Gabon		0° 48' 00" N 13° 26' 00" E	489 m
Batouala (see Batoala), 96 km E Makokou (between Makokou and Mékambo)	Gabon		0° 48' 00" N 13° 26' 00" E	489 m
Kaga-Nzé (see also: Kaja Nze)	Central African Republic		7° 21' 00" N 20° 11' 00" E	489 m
Kaja Nze (see Kaga-Nzé)	Central African Republic		7° 21' 00" N 20° 11' 00" E	489 m
Makokou, 96 km E (see Batoala)	Gabon		0° 48' 00" N 13° 26' 00" E	489 m
Kaggasmondt (see Kaggasmoudt)	South Africa		32° 52' 30" S 26° 14' 20" E	490 m
Kaggasmoudt (see also: Kaggasmondt)	South Africa		32° 52' 30" S 26° 14' 20" E	490 m
Amboasari, 15 km SW Vinanitelo (see also: Amboasary (2))	Madagascar		21° 26' 00" S 47° 37' 00" E	492 m
Amboasary (2) (see Amboasari), 15 km SW Vinanitelo	Madagascar		21° 26' 00" S 47° 37' 00" E	492 m
Vinanitelo, 15 km SW	Madagascar		21° 26' 00" S 47° 37' 00" E	492 m
Alice	South Africa		32° 47' 00" S 26° 50' 00" E	493 m
Bilma (see Bilma Garin Dawa)	Niger		13° 53' 16" N 8° 43' 27" E	493 m
Bilma Garin Dawa (see also: Bilma)	Niger		13° 53' 16" N 8° 43' 27" E	493 m
Birchenough Bridge (see also: Birchenough Bridge Hotel)	Zimbabwe		19° 58' 00" S 32° 20' 00" E	493 m
Birchenough Bridge Hotel (see Birchenough Bridge)	Zimbabwe		19° 58' 00" S 32° 20' 00" E	493 m
Lusumbwe (see Monkey Bay)	Malawi		14° 05' 00" S 34° 55' 00" E	496 m
Monkey Bay (see also: Lusumbwe)	Malawi		14° 05' 00" S 34° 55' 00" E	496 m
Kanyemba	Zimbabwe		15° 42' 00" S 30° 19' 00" E	497 m
Darazo	Nigeria		10° 59' 43" N 10° 24' 48" E	498 m
Lékoun	Cameroon		4° 13' 00" N 11° 14' 00" E	499 m
Aketi (see also: Port Chaltin)	Congo (Democratic Republic of the)		2° 50' 00" N 23° 56' 00" E	ca. 500 m
Blaney	South Africa		32° 52' 00" S 27° 32' 00" E	500 m
Ceres, near	South Africa	ca.	33° 22' 00" S 19° 19' 00" E	ca. 500 m
Farm Steyerskraal, 50 km N, 10 km E Pofadder (see also: Farm Styrskraal, Pofadder, 50 km N, 10 km E, Steyerskraal, Farm, Styrskraal, Farm)	South Africa		28° 40' 00" S 19° 30' 00" E	500 m
Farm Styrskraal (see Farm Steyerskraal)	South Africa		28° 40' 00" S 19° 30' 00" E	500 m
Fort Beaufort	South Africa		32° 47' 00" S 26° 38' 00" E	500 m
Grahamstad (see Grahamstown)	South Africa		33° 18' 00" S 26° 32' 00" E	500 m

Grahamstown (see also: Grahamstad)	South Africa		33° 18' 00" S 26° 32' 00" E	500 m
Grotte de Kef-el-Rhar (see Kef-el-Rhar, cave)	Morocco		34° 28' 48" N 4° 15' 36" W	ca. 500 m
Ifanadiana, 6 km SSW	Madagascar		21° 21' 00" S 47° 37' 01" E	500 m
John Hegbe farm, ca. 2 mi SW Voinjama, near Zozoma (see also: Voinjama, ca. 2 mi [=3.2 km] SW)	Liberia		8° 25' 00" N 9° 35' 00" W	500 m
Kef er Rhar (see Kef-el-Rhar, cave)	Morocco		34° 28' 48" N 4° 15' 36" W	ca. 500 m
Kef-el-Rhar, cave (see also: Grotte de Kef-el-Rhar, Kef er Rhar)	Morocco		34° 28' 48" N 4° 15' 36" W	ca. 500 m
Korkoro (see also: Korkoru)	Chad		12° 52' 00" N 21° 01' 00" E	500 m
Korkoru (see Korkoro)	Chad		12° 52' 00" N 21° 01' 00" E	500 m
Mángari, 5 km N (see Mungari, 5 km N)	Mozambique	ca.	17° 10' 00" S 33° 33' 00" E	ca. 500 m
Mungari, 5 km N (see also: Mángari, 5 km N)	Mozambique	ca.	17° 10' 00" S 33° 33' 00" E	ca. 500 m
Pofadder, 50 km N, 10 km E (see Farm Steyerskraal)	South Africa		28° 40' 00" S 19° 30' 00" E	500 m
Port Chaltin (see Aketi)	Congo (Democratic Republic of the)		2° 50' 00" N 23° 56' 00" E	ca. 500 m
Steyerskraal, Farm (see Farm Steyerskraal)	South Africa		28° 40' 00" S 19° 30' 00" E	500 m
Styrskraal, Farm (see Farm Steyerskraal)	South Africa		28° 40' 00" S 19° 30' 00" E	500 m
Voinjama, ca. 2 mi [=3.2 km] SW (see John Hegbe farm), near Zozoma	Liberia		8° 25' 00" N 9° 35' 00" W	500 m

501 - 600 m:

Chipise (see Tshipise)	South Africa	22° 36' 00" S 30° 10' 00" E	501 m
Kadugli (see also: Kaduqli)	Sudan	11° 01' 00" N 29° 43' 00" E	501 m
Kaduqli (see Kadugli)	Sudan	11° 01' 00" N 29° 43' 00" E	501 m
Marzuq	Libya	25° 54' 16" N 13° 53' 50" E	501 m
Mourzouk	Libya	25° 54' 16" N 13° 53' 50" E	501 m
Murzuch	Libya	25° 54' 16" N 13° 53' 50" E	501 m
Murzuk	Libya	25° 54' 16" N 13° 53' 50" E	501 m
Murzuq	Libya	25° 54' 16" N 13° 53' 50" E	501 m
Tshipise (see also: Chipise)	South Africa	22° 36' 00" S 30° 10' 00" E	501 m
Andranovory forest	Madagascar	22° 59' 00" S 44° 32' 00" E	502 m
Fika	Nigeria	11° 17' 00" N 11° 18' 29" E	503 m
Kindu (see also: Kindu-Port-Empain, Port de Kindu, Port-Empain)	Congo (Democratic Republic of the)	2° 57' 00" S 25° 57' 00" E	504 m
Kindu-Port-Empain (see Kindu)	Congo (Democratic Republic of the)	2° 57' 00" S 25° 57' 00" E	504 m
Port de Kindu (see Kindu)	Congo (Democratic Republic of the)	2° 57' 00" S 25° 57' 00" E	504 m
Port-Empain (see Kindu)	Congo (Democratic Republic of the)	2° 57' 00" S 25° 57' 00" E	504 m
Beforona, between Tananarive and Andevoranto (see also: Beforono)	Madagascar	18° 58' 00" S 48° 35' 00" E	507 m
Beforono (see Beforona), between Tananarive and Andevoranto	Madagascar	18° 58' 00" S 48° 35' 00" E	507 m
Liwonde (see also: Old Liwonde Boma)	Malawi	15° 04' 00" S 35° 13' 00" E	507 m
Nyangwe (see also: Pene Bwebwe)	Congo (Democratic Republic of the)	4° 13' 00" S 26° 11' 00" E	507 m
Old Liwonde Boma (see Liwonde)	Malawi	15° 04' 00" S 35° 13' 00" E	507 m
Pene Bwebwe (see Nyangwe)	Congo (Democratic Republic of the)	4° 13' 00" S 26° 11' 00" E	507 m
Adurelan (see Adurelang)	Equatorial Guinea	1° 58' 05" N 11° 12' 18" E	508 m
Adurelang, near Ebebiying ? (see also: Adurelan)	Equatorial Guinea	1° 58' 05" N 11° 12' 18" E	508 m
Aïn Chhief (see Aïn Chkef)	Morocco	33° 57' 48" N 5° 01' 11" W	508 m
Aïn Chkef, 6 km S Fès; Junto Camping (see also: Aïn Chhief, Ain Chkef, Ain Chqef, Aïn-Chkeff, Douar Ain Chkef, Fès, 6 km S)	Morocco	33° 57' 48" N 5° 01' 11" W	508 m
Ain Chkef (see Aïn Chkef)	Morocco	33° 57' 48" N 5° 01' 11" W	508 m
Ain Chqef (see Aïn Chkef)	Morocco	33° 57' 48" N 5° 01' 11" W	508 m
Aïn-Chkeff (see Aïn Chkef)	Morocco	33° 57' 48" N 5° 01' 11" W	508 m
Akaloyong, 20 km N (see Bonobono)	Equatorial Guinea	1° 14' 43" N 9° 37' 10" E	508 m
Ayene, near Mongomo	Equatorial Guinea	1° 31' 23" N 11° 03' 18" E	508 m
Bata, 30 km S (see Micomibe)	Equatorial Guinea	1° 39' 47" N 9° 42' 57" E	508 m
Belo Monte	São Tomé and Principé	1° 41' 00" N 7° 27' 00" E	508 m
Bobo Diulasas (see Bobo-Dioulasso)	Burkina Faso	11° 10' 38" N 4° 17' 52" W	508 m

Bobo-Dioulasso (see also: Bobo Diulasas, Bobo-Diulasso, Bobodjulaso)	Burkina Faso		11° 10' 38" N 4° 17' 52" W	508 m
Bobo-Diulasso (see Bobo-Dioulasso)	Burkina Faso		11° 10' 38" N 4° 17' 52" W	508 m
Bobodjulaso (see Bobo-Dioulasso)	Burkina Faso		11° 10' 38" N 4° 17' 52" W	508 m
Bongandjola	Congo (Democratic Republic of the)		1° 45' 17" N 25° 31' 04" E	508 m
Bonobono, 20 km N Akaloyong (see also: Akaloyong, 20 km N)	Equatorial Guinea		1° 14' 43" N 9° 37' 10" E	508 m
Bosobolo	Congo (Democratic Republic of the)		4° 11' 00" N 19° 54' 00" E	508 m
Bwamanda [mission]	Congo (Democratic Republic of the)		3° 10' 06" N 19° 14' 45" E	508 m
Caotina, 5 km NW Chefchaouen (see also: Chefchaouen, 5 km NW, Fomento, Puente de Fomento, Puento Fomento)	Morocco		35° 11' 44" N 5° 18' 32" W	508 m
Chefchaouen, 5 km NW (see Caotina)	Morocco		35° 11' 44" N 5° 18' 32" W	508 m
Covadonga	Equatorial Guinea		0° 53' 52" N 9° 18' 42" E	ca. 508 m
Covadonga, near	Equatorial Guinea	ca.	0° 53' 52" N 9° 18' 42" E	ca. 508 m
Douar Ain Chkef (see Aïn Chkef)	Morocco		33° 57' 48" N 5° 01' 11" W	508 m
Enugu-Ezike (see also: Independence Layout)	Nigeria		6° 58' 58" N 7° 27' 19" E	508 m
Evoardulu (see also: Evodulo)	Equatorial Guinea		1° 33' 29" N 10° 52' 00" E	508 m
Evodulo (see Evoardulu)	Equatorial Guinea		1° 33' 29" N 10° 52' 00" E	508 m
Fès, 6 km S (see Aïn Chkef)	Morocco		33° 57' 48" N 5° 01' 11" W	508 m
Fomento (see Caotina)	Morocco		35° 11' 44" N 5° 18' 32" W	508 m
Gbié	Guinea		7° 39' 55" N 8° 19' 10" W	508 m
Igbeti (see also: Igbetti)	Nigeria		8° 44' 57" N 4° 07' 52" E	508 m
Igbetti (see Igbeti)	Nigeria		8° 44' 57" N 4° 07' 52" E	508 m
Ilesa (see also: Ilesha)	Nigeria		7° 37' 40" N 4° 44' 30" E	508 m
Ilesha (see Ilesa)	Nigeria		7° 37' 40" N 4° 44' 30" E	508 m
Independence Layout (see Enugu-Ezike)	Nigeria		6° 58' 58" N 7° 27' 19" E	508 m
Kubuta	Swaziland		26° 52' 48" S 31° 28' 12" E	508 m
Lieki	Congo (Democratic Republic of the)		0° 41' 11" N 24° 11' 00" E	508 m
Liondo	Congo (Democratic Republic of the)		0° 47' 32" S 22° 38' 32" E	508 m
Lotakamela	Congo (Democratic Republic of the)		0° 13' 34" S 21° 57' 10" E	508 m
Lusikisiki	South Africa		31° 21' 43" S 29° 34' 24" E	508 m
Melume	Congo (Democratic Republic of the)		2° 58' 10" N 24° 56' 00" E	508 m
Mhlumeni	Swaziland		26° 15' 00" S 32° 06' 00" E	508 m
Micomibe, 30 km S Bata (see also: Bata, 30 km S, Mikomibe, Mikonibe)	Equatorial Guinea		1° 39' 47" N 9° 42' 57" E	508 m
Mikomibe (see Micomibe)	Equatorial Guinea		1° 39' 47" N 9° 42' 57" E	508 m
Mikonibe (see Micomibe)	Equatorial Guinea		1° 39' 47" N 9° 42' 57" E	508 m
Moenge	Congo (Democratic Republic of the)		2° 03' 00" N 22° 51' 54" E	508 m
Monte Alen, on Evinayong - Niefan road	Equatorial Guinea		1° 40' 00" N 10° 18' 19" E	508 m
Mosenge	Congo (Democratic Republic of the)		4° 39' 00" S 18° 58' 00" E	508 m
M'Sila (see also: Thamsilt)	Algeria		35° 42' 21" N 4° 32' 31" E	508 m
M'Sila Forest, 20 km W Oran	Algeria		35° 38' 56" N 0° 52' 25" W	508 m
Puente de Fomento (see Caotina)	Morocco		35° 11' 44" N 5° 18' 32" W	508 m
Puento Fomento (see Caotina)	Morocco		35° 11' 44" N 5° 18' 32" W	508 m
Thamsilt (see M'Sila)	Algeria		35° 42' 21" N 4° 32' 31" E	508 m
Uma	Congo (Democratic Republic of the)		0° 32' 21" N 25° 54' 05" E	508 m
Wagenia, near Kisangani	Congo (Democratic Republic of the)		0° 23' 12" N 25° 12' 25" E	508 m
Yaekela	Congo (Democratic Republic of the)		0° 48' 12" N 24° 17' 39" E	508 m
Yatolema	Congo (Democratic Republic of the)		0° 21' 22" N 24° 31' 09" E	508 m
Morogoro (see also: Mrogoro, Murogoro, Norogoro)	Tanzania		6° 49' 00" S 37° 40' 00" E	510 m
Mrogoro (see Morogoro)	Tanzania		6° 49' 00" S 37° 40' 00" E	510 m
Murogoro (see Morogoro)	Tanzania		6° 49' 00" S 37° 40' 00" E	510 m
Norogoro (see Morogoro)	Tanzania		6° 49' 00" S 37° 40' 00" E	510 m

Acoaesakira, 3 km on Nsork to Akum road (see also: Acoesakira, Akosakira, Nsork to Akum road, km 3)	Equatorial Guinea		1° 06' 32" N 11° 15' 27" E	511 m
Acoesakira (see Acoaesakira), 3 km on Nsork to Akom road	Equatorial Guinea		1° 06' 32" N 11° 15' 27" E	511 m
Agadem	Niger		16° 50' 00" N 13° 17' 00" E	511 m
Akosakira (see Acoaesakira)	Equatorial Guinea		1° 06' 32" N 11° 15' 27" E	511 m
Nsork to Akum road, km 3 (see Acoaesakira)	Equatorial Guinea		1° 06' 32" N 11° 15' 27" E	511 m
Mombo	Tanzania		4° 53' 00" S 38° 17' 00" E	513 m
Gambeila (see Gambela)	Ethiopia		8° 15' 00" N 34° 35' 00" E	514 m
Gambela (see also: Gambeila, Gambela, Gambela Post, Gambella, Wilaya d' Illizi)	Ethiopia		8° 15' 00" N 34° 35' 00" E	514 m
Gambela (see Gambela), Ilu Babor	Ethiopia		8° 15' 00" N 34° 35' 00" E	514 m
Gambela Post (see Gambela)	Ethiopia		8° 15' 00" N 34° 35' 00" E	514 m
Gambella (see Gambela)	Ethiopia		8° 15' 00" N 34° 35' 00" E	514 m
Mbaïki (see also: M'Baiki, M'Baikie)	Central African Republic		3° 53' 00" N 18° 00' 00" E	514 m
M'Baiki (see Mbaïki)	Central African Republic		3° 53' 00" N 18° 00' 00" E	514 m
M'Baikie (see Mbaïki)	Central African Republic		3° 53' 00" N 18° 00' 00" E	514 m
Wilaya d' Illizi (see Gambela)	Algeria	ca.	8° 15' 00" N 34° 35' 00" E	514 m
Dlinza Forest, Eshowe	South Africa		28° 53' 59" S 31° 27' 00" E	515 m
Zorzor	Liberia		7° 46' 46" N 9° 25' 49" W	516 m
Kul's (see Zoulabot II)	Cameroon		2° 54' 00" N 13° 53' 00" E	517 m
Soulabot (see Zoulabot II)	Cameroon		2° 54' 00" N 13° 53' 00" E	517 m
Sulabot (see Zoulabot II)	Cameroon		2° 54' 00" N 13° 53' 00" E	517 m
Zoulabot II (see also: Kul's, Soulabot, Sulabot)	Cameroon		2° 54' 00" N 13° 53' 00" E	517 m
Akomolinga (see Akonolinga)	Cameroon		3° 46' 00" N 12° 15' 00" E	520 m
Akonolinga (see also: Akomolinga)	Cameroon		3° 46' 00" N 12° 15' 00" E	520 m
Lomati Gold Mine	Swaziland		25° 49' 15" S 31° 17' 40" E	520 m
Namaso (see also: Namazo Bay)	Malawi		14° 10' 00" S 34° 59' 00" E	522 m
Namazo Bay (see Namaso)	Malawi		14° 10' 00" S 34° 59' 00" E	522 m
Kologi	Sudan		10° 51' 38" N 30° 58' 52" E	525 m
Pandam	Nigeria		9° 15' 00" N 7° 50' 00" E	525 m
Alajuz (see Al'Ajuz (well))	South Sudan		9° 53' 00" N 25° 04' 00" E	526 m
Al'Ajuz (well) (see also: Alajuz)	South Sudan		9° 53' 00" N 25° 04' 00" E	526 m
Eshowe, 4 Leigh Road	South Africa		28° 53' 29" S 31° 27' 56" E	526 m
Zouguépo	Guinea		7° 42' 20" N 8° 24' 26" W	526 m
Ingwavuma, Border cave	South Africa		27° 01' 13" S 31° 59' 18" E	527 m
Gombe (see Ngombe)	Congo (Democratic Republic of the)		6° 35' 00" S 20° 42' 00" E	528 m
Ngombe (see also: Gombe, N'gombe)	Congo (Democratic Republic of the)		6° 35' 00" S 20° 42' 00" E	528 m
N'gombe (see Ngombe)	Congo (Democratic Republic of the)		6° 35' 00" S 20° 42' 00" E	528 m
Ziéla	Guinea		7° 42' 46" N 8° 21' 33" W	529 m
Capolopopo (see also: Fazenda Capolopopo)	Angola		15° 54' 00" S 12° 48' 00" E	530 m
Dog's Dam	South Africa		33° 18' 00" S 26° 31' 00" E	530 m
Fazenda Capolopopo (see Capolopopo)	Angola		15° 54' 00" S 12° 48' 00" E	530 m
Fiddler's Green	South Africa		33° 18' 00" S 26° 31' 00" E	530 m
Grassfield (see also: Grassfield forest, Grassfield savanna, Grassfields, Lamco Headquarters Camp, Nimba)	Liberia		7° 29' 20" N 8° 34' 15" W	530 m
Grassfield forest (see Grassfield)	Liberia		7° 29' 20" N 8° 34' 15" W	530 m
Grassfield savanna (see Grassfield)	Liberia		7° 29' 20" N 8° 34' 15" W	530 m
Grassfields (see Grassfield)	Liberia		7° 29' 20" N 8° 34' 15" W	530 m
Kabalo	Congo (Democratic Republic of the)		6° 03' 00" S 26° 55' 00" E	530 m
Lamco Headquarters Camp (see Grassfield)	Liberia		7° 29' 20" N 8° 34' 15" W	530 m
Messina	South Africa		22° 21' 00" S 30° 03' 00" E	530 m
Nimba (see Grassfield)	Liberia		7° 29' 20" N 8° 34' 15" W	530 m
Rhodes University, near Hamilton Reserve	South Africa		33° 18' 00" S 26° 31' 00" E	530 m
Cassala (see Kasala)	Sudan		15° 27' 21" N 36° 23' 56" E	531 m
Idenao, 48 km W Bota (see also: Bota, 48 km W)	Cameroon		4° 15' 51" N 9° 02' 50" E	531 m
Kasala (see also: Cassala, Kassala)	Sudan		15° 27' 21" N 36° 23' 56" E	531 m
Kassala (see Kasala)	Sudan		15° 27' 21" N 36° 23' 56" E	531 m
Eouo (see Ewo)	Congo		0° 52' 21" S 14° 49' 14" E	532 m

Ewo (see also: Eouo)	Congo		0° 52' 21" S 14° 49' 14" E	532 m
Ifanadiana	Madagascar		21° 18' 00" S 47° 38' 00" E	532 m
Kasonga-Banze (see also: Kasongo Baza, Kasongo-Banze)	Congo (Democratic Republic of the)		5° 36' 00" S 23° 24' 00" E	532 m
Kasongo Baza (see Kasonga-Banze)	Congo (Democratic Republic of the)		5° 36' 00" S 23° 24' 00" E	532 m
Kasongo-Banze (see Kasonga-Banze)	Congo (Democratic Republic of the)		5° 36' 00" S 23° 24' 00" E	532 m
Eshowe, 8 Residency Road	South Africa		28° 53' 26" S 31° 27' 29" E	533 m
Elliotdale (see also: Xhora)	South Africa		31° 58' 00" S 28° 41' 00" E	534 m
Xhora (see Elliotdale)	South Africa		31° 58' 00" S 28° 41' 00" E	534 m
Amjale	Ethiopia		12° 30' 00" N 35° 38' 00" E	535 m
Bandala Hills, location 1, Central Payam, Bandala Boma, ca. 10 km W Sue River, W border Southern National Park)	South Sudan		6° 07' 57" N 27° 43' 31" E	535 m
Bichi, 1 mi W	Nigeria		12° 14' 03" N 8° 14' 28" E	535 m
Doornhoek mine, 13.0 km E Pietermaritzburg (see also: Pietermaritzburg, 13.0 km E)	South Africa		29° 36' 00" S 30° 31' 00" E	535 m
Pietermaritzburg, 13.0 km E (see Doornhoek mine)	South Africa		29° 36' 00" S 30° 31' 00" E	535 m
Makuya (see Mkundi)	Tanzania		6° 19' 00" S 37° 23' 00" E	536 m
Mkundi (see also: Makuya)	Tanzania		6° 19' 00" S 37° 23' 00" E	536 m
Eshobe (see Eshobi)	Cameroon		5° 47' 00" N 9° 23' 00" E	538 m
Eshobi (see also: Eshobe)	Cameroon		5° 47' 00" N 9° 23' 00" E	538 m
Lydenburg, 80 km ENE	South Africa	ca.	24° 49' 00" S 30° 11' 00" E	ca. 539 m
Obala	Cameroon		4° 10' 00" N 11° 32' 00" E	539 m
Obamicu	Equatorial Guinea		1° 15' 00" N 11° 02' 00" E	539 m
Poko (see also: Pokwo)	Ethiopia		8° 09' 00" N 34° 28' 00" E	539 m
Pokwo (see Poko)	Ethiopia		8° 09' 00" N 34° 28' 00" E	539 m
Divanié (see Divenié)	Congo		2° 40' 38" S 12° 05' 08" E	540 m
Divégni (see Divenié)	Congo		2° 40' 38" S 12° 05' 08" E	540 m
Divenié, near Mont Vouary ? (see also: Divanié, Divégni, Divina)	Congo		2° 40' 38" S 12° 05' 08" E	540 m
Divina (see Divenié)	Congo		2° 40' 38" S 12° 05' 08" E	540 m
Uardere (see Warder)	Ethiopia		6° 58' 00" N 45° 20' 00" E	540 m
Wadere (see Warder)	Ethiopia		6° 58' 00" N 45° 20' 00" E	540 m
Wardair (see Warder)	Ethiopia		6° 58' 00" N 45° 20' 00" E	540 m
Warder (see also: Uardere, Wadere, Wardair, Werder)	Ethiopia		6° 58' 00" N 45° 20' 00" E	540 m
Werder (see Warder)	Ethiopia		6° 58' 00" N 45° 20' 00" E	540 m
Kleinpoort, Grahamstown	South Africa		33° 19' 49" S 24° 52' 36" E	541 m
Ndendé (see also: N'Dendé)	Gabon		2° 23' 00" S 11° 23' 00" E	541 m
N'Dendé (see Ndendé)	Gabon		2° 23' 00" S 11° 23' 00" E	541 m
Wyldesdale Gold Mine (see Wylesdale Gold Mine)	Swaziland		25° 49' 00" S 31° 17' 00" E	542 m
Wylesdale Gold Mine, in old mine drive (see also: Wyldesdale Gold Mine)	Swaziland		25° 49' 00" S 31° 17' 00" E	542 m
Sangmélima	Cameroon		2° 56' 00" N 11° 59' 00" E	543 m
Rafin Dinya (see Tungan-Rafin-Dinya)	Nigeria		9° 45' 32" N 7° 27' 05" E	544 m
Tungan-Rafin-Dinya (see also: Rafin Dinya)	Nigeria		9° 45' 32" N 7° 27' 05" E	544 m
Ensorc (see Nsok)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
Farm A80 (Mouton's Valley) (see Farm Mouton's Valley A80)	South Africa		32° 46' 11" S 18° 43' 08" E	545 m
Farm Mouton's Valley A80, 15.2 km N, 3.5 km W Piketberg (see also: Farm A80 (Mouton's Valley), Mouton's Valley, Farm A80, Piketberg, 15.2 km N, 3.5 km W)	South Africa		32° 46' 11" S 18° 43' 08" E	545 m
Gondokoro, on White Nile	South Sudan		4° 54' 00" N 31° 40' 00" E	545 m
Mouton's Valley, Farm A80 (see Farm Mouton's Valley A80)	South Africa		32° 46' 11" S 18° 43' 08" E	545 m
Nsoc (see Nsok)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
Nsok (see also: Ensorc, Nsoc, Nsorc, Nsork, N'Zork)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
Nsorc (see Nsok)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
Nsork (see Nsok)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
N'Zork (see Nsok)	Equatorial Guinea		1° 07' 47" N 11° 15' 58" E	545 m
Piketberg, 15.2 km N, 3.5 km W (see Farm Mouton's Valley A80)	South Africa		32° 46' 11" S 18° 43' 08" E	545 m
Bukama, 40 mi [=64 km] below (see Katobwe), on Lualaba river	Congo (Democratic Republic of the)		8° 54' 00" S 26° 04' 00" E	547 m

Maunzi (see also: Mavunzi, Mawunzi, Mvuazi)	Congo (Democratic Republic of the)	5° 19' 00" S 15° 07' 00" E	547 m
Mavunzi (see Maunzi)	Congo (Democratic Republic of the)	5° 19' 00" S 15° 07' 00" E	547 m
Mawunzi (see Maunzi)	Congo (Democratic Republic of the)	5° 19' 00" S 15° 07' 00" E	547 m
Mekinez (see Meknès)	Morocco	33° 54' 00" N 5° 33' 00" W	547 m
Meknès (see also: Mekinez)	Morocco	33° 54' 00" N 5° 33' 00" W	547 m
Mvuazi (see Maunzi)	Congo (Democratic Republic of the)	5° 19' 00" S 15° 07' 00" E	547 m
Naa Macha (see Namaacha)	Mozambique	25° 58' 13" S 32° 01' 32" E	547 m
Namaacha (see also: Naa Macha, Namahacha)	Mozambique	25° 58' 13" S 32° 01' 32" E	547 m
Namahacha (see Namaacha)	Mozambique	25° 58' 13" S 32° 01' 32" E	547 m
Ndjakom (see San Joaquín de Ndyiacom)	Equatorial Guinea	2° 01' 45" N 9° 55' 43" E	547 m
San Joaquín de Ndyiacom (see also: Ndjakom)	Equatorial Guinea	2° 01' 45" N 9° 55' 43" E	547 m
Ecucu (see also: Ekuku, Etiani's, Etiany)	Equatorial Guinea	1° 50' 00" N 9° 45' 00" E	548 m
Ekuku (see Ecucu)	Equatorial Guinea	1° 50' 00" N 9° 45' 00" E	548 m
Etiani's (see Ecucu)	Equatorial Guinea	1° 50' 00" N 9° 45' 00" E	548 m
Etiany (see Ecucu)	Equatorial Guinea	1° 50' 00" N 9° 45' 00" E	548 m
Ntorako	Uganda	1° 02' 28" N 30° 28' 52" E	548 m
Bakwanga (see Mbuji-Mayi)	Congo (Democratic Republic of the)	6° 09' 00" S 23° 36' 00" E	549 m
Kumba, 4 mi [=6.4 km] S (see Baromb Kang)	Cameroon	4° 39' 00" N 9° 25' 00" E	549 m
Kumba, 6 km S (see Baromb Kang)	Cameroon	4° 39' 00" N 9° 25' 00" E	549 m
Mbuji-Mayi (see also: Bakwanga, Mbuy Mayi)	Congo (Democratic Republic of the)	6° 09' 00" S 23° 36' 00" E	549 m
Mbuy Mayi (see Mbuji-Mayi)	Congo (Democratic Republic of the)	6° 09' 00" S 23° 36' 00" E	549 m
Midzik (see Mitzic)	Gabon	0° 47' 00" N 11° 34' 00" E	549 m
Mitzic (see also: Midzik, Mitzick, Mitzig, Mitzig, Mitzik)	Gabon	0° 47' 00" N 11° 34' 00" E	549 m
Mitzick (see Mitzic)	Gabon	0° 47' 00" N 11° 34' 00" E	549 m
Mitzig (see Mitzic)	Gabon	0° 47' 00" N 11° 34' 00" E	549 m
Mitzig (see Mitzic)	Gabon	0° 47' 00" N 11° 34' 00" E	549 m
Mitzik (see Mitzic)	Gabon	0° 47' 00" N 11° 34' 00" E	549 m
Ngula	Congo (Democratic Republic of the)	4° 45' 00" S 18° 11' 00" E	549 m
Rajjaf, Bahr el Jebel (see also: Rejaf)	South Sudan	4° 45' 00" N 31° 35' 00" E	549 m
Rejaf (see Rajjaf), Bahr el Jebel	South Sudan	4° 45' 00" N 31° 35' 00" E	549 m
Andrambovato, 2 km NE	Madagascar	21° 30' 00" S 47° 27' 00" E	550 m
Berenty-Betsileo, 28 km SE	Madagascar	22° 19' 00" S 45° 17' 36" E	550 m
Besogabang	Cameroon	5° 44' 00" N 9° 17' 00" E	550 m
Coetzer's Rust, near Alice	South Africa	32° 47' 00" S 26° 50' 00" E	550 m
Farm Uitvlug, 5.0 km N, 11.0 km E Joubertina (see also: Joubertina, 5.0 km N, 11.0 km E)	South Africa	33° 49' 00" S 24° 01' 00" E	550 m
Goba (see Juba)	South Sudan	4° 51' 00" N 31° 37' 00" E	550 m
Gonja Forest Reserve, 2 km SW Gonja Maore (see also: Gonja Maore, 2 km SW)	Tanzania	4° 16' 00" S 38° 02' 00" E	550 m
Gonja Maore, 2 km SW (see Gonja Forest Reserve)	Tanzania	4° 16' 00" S 38° 02' 00" E	550 m
Jabal Talao (see Talao, Jabal)	Sudan	11° 02' 00" N 29° 43' 00" E	550 m
Jebel Talao (see Talao, Jabal), 2 km NE Kadugli	Sudan	11° 02' 00" N 29° 44' 00" E	550 m
Joubertina, 5.0 km N, 11.0 km E (see Farm Uitvlug)	South Africa	33° 49' 00" S 24° 01' 00" E	550 m
Juba (see also: Goba, Uula)	South Sudan	4° 51' 00" N 31° 37' 00" E	550 m
Kadugli, 2 km NE (see Talao, Jabal)	Sudan	11° 02' 00" N 29° 43' 00" E	550 m
Maden Dam	South Africa	32° 44' 24" S 27° 17' 55" E	550 m
St. Andrews College (Grahamstown)	South Africa	33° 18' 20" S 26° 31' 10" E	550 m
Talao, Jabal, 2 km NE Kadugli (see also: Jabal Talao, Jebel Talao, Kadugli, 2 km NE)	Sudan	11° 02' 00" N 29° 43' 00" E	550 m
Uula (see Juba)	South Sudan	4° 51' 00" N 31° 37' 00" E	550 m
Abetife (see Abetifi)	Ghana	6° 40' 00" N 0° 45' 00" W	552 m
Abetifi (see also: Abetife)	Ghana	6° 40' 00" N 0° 45' 00" W	552 m
Oyem	Gabon	1° 35' 54" N 11° 34' 31" E	552 m
Mvom (see also: Nvom)	Equatorial Guinea	1° 22' 37" N 11° 13' 07" E	553 m
Nvom (see Mvom)	Equatorial Guinea	1° 22' 37" N 11° 13' 07" E	553 m
Gemena	Congo (Democratic Republic of the)	3° 15' 00" N 19° 46' 00" E	555 m

Kadia, Lake Kisale	Congo (Democratic Republic of the)	8° 16' 00" S 26° 36' 00" E	556 m
Kanaan, Hazyview, near	South Africa	25° 04' 00" S 31° 06' 00" E	ca. 557 m
Letsitele, Groot Letaba river	South Africa	23° 53' 20" S 30° 23' 17" E	557 m
N'Dui (see Ntui)	Cameroon	4° 27' 00" N 11° 38' 00" E	558 m
Ntui (see also: N'Dui, Ntwi)	Cameroon	4° 27' 00" N 11° 38' 00" E	558 m
Ntwi (see Ntui)	Cameroon	4° 27' 00" N 11° 38' 00" E	558 m
Boukoko (see also: Bukoko)	Central African Republic	3° 54' 00" N 17° 56' 00" E	559 m
Bukoko (see Boukoko)	Central African Republic	3° 54' 00" N 17° 56' 00" E	559 m
Durban, 21 King George Avenue	South Africa	29° 45' 07" S 30° 49' 51" E	559 m
Al Lagawa (see Al Lagowa)	Sudan	11° 24' 00" N 29° 08' 00" E	560 m
Al Lagowa (see also: Al Lagawa, El Lagowa)	Sudan	11° 24' 00" N 29° 08' 00" E	560 m
El Lagowa (see Al Lagowa)	Sudan	11° 24' 00" N 29° 08' 00" E	560 m
Grara	Ethiopia	12° 21' 00" N 35° 44' 00" E	560 m
King William's Town, 13.9 km N, 9.9 km W (see Pirie Trout hatchery)	South Africa	32° 45' 05" S 27° 17' 14" E	560 m
Morogoro	Tanzania	6° 48' 00" S 37° 40' 00" E	560 m
Pirie Trout hatchery, 13.9 km N, 9.9 km W King William's Town (see also: King William's Town, 13.9 km N, 9.9 km W)	South Africa	32° 45' 05" S 27° 17' 14" E	560 m
Ncumeken (see Ncumekie), on Niefang - Evinayong road	Equatorial Guinea	1° 34' 09" N 10° 21' 46" E	561 m
Ncumekie, on Niefang - Evinayong road (see also: Ncumeken)	Equatorial Guinea	1° 34' 09" N 10° 21' 46" E	561 m
Bermil	Ethiopia	12° 23' 00" N 35° 44' 00" E	562 m
Cape Maclear	Malawi	14° 01' 00" S 34° 51' 00" E	562 m
Chaouèn (see Chefchaoune), Rif	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Chauen (see Chefchaoune), Rif	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Chechaouèn (see Chefchaoune), Rif	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Chechaouene (see Chefchaoune), Rif	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Chefchaoune, Rif (see also: Chaouèn, Chauen, Chechaouèn, Chechaouene, Chichaouene, Ech Chaouene, Scheschauen, Ville de Chechaouèn, Xauen, Xexauen)	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Chichaouene (see Chefchaoune), Rif	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Ech Chaouene (see Chefchaoune), Rif	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Hella Hella Game Reserve (see Hella Hella Game Valley)	South Africa	29° 54' 00" S 30° 05' 00" E	564 m
Hella Hella Game Valley (see also: Hella Hella Game Reserve, Hella-Hella Game Valley Estates)	South Africa	29° 54' 00" S 30° 05' 00" E	564 m
Hella-Hella Game Valley Estates (see Hella Hella Game Valley), Richmond	South Africa	29° 54' 00" S 30° 05' 00" E	564 m
Irima, 4 mi [=6.4 km] NW Voi (see also: Voi, 4 mi [=6.4 km] NW)	Kenya	3° 21' 20" S 38° 32' 05" E	564 m
Megenagne	Ethiopia	12° 12' 00" N 35° 40' 00" E	564 m
Scheschauen (see Chefchaoune), Rif	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Ville de Chechaouèn (see Chefchaoune), Rif	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Voi, 2 mi [=3.2 km] N	Kenya	3° 22' 59" S 38° 33' 00" E	564 m
Voi, 4 mi [=6.4 km] NW (see Irima)	Kenya	3° 21' 20" S 38° 32' 05" E	564 m
Xauen (see Chefchaoune), Rif	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Xexauen (see Chefchaoune), Rif	Morocco	35° 10' 17" N 5° 16' 11" W	564 m
Alipago (see also: Alipango, Alipaye, Alipei)	Congo (Democratic Republic of the)	3° 34' 00" N 25° 44' 00" E	565 m
Alipango (see Alipago)	Congo (Democratic Republic of the)	3° 34' 00" N 25° 44' 00" E	565 m
Alipaye (see Alipago)	Congo (Democratic Republic of the)	3° 34' 00" N 25° 44' 00" E	565 m
Alipei (see Alipago)	Congo (Democratic Republic of the)	3° 34' 00" N 25° 44' 00" E	565 m
Foulassi, 6 km NNW Sangmélima (see also: Sangmélima, 6 km NNW)	Cameroon	2° 59' 00" N 11° 58' 00" E	565 m
"Laisam id., Isido district" (see Laisiamis)	Kenya	1° 36' 00" N 37° 48' 00" E	568 m
Kluga	Liberia	8° 27' 01" N 9° 43' 19" W	568 m
Laisiamis (see also: "Laisam id., Isido district")	Kenya	1° 36' 00" N 37° 48' 00" E	568 m
Evinayong to Aconibe road, km 23 (see Noayong)	Equatorial Guinea	1° 22' 13" N 10° 42' 00" E	571 m
Ngqeleni	South Africa	31° 40' 00" S 29° 02' 00" E	571 m
Noayong, 23 km on Evinayong to Aconibe road (see also: Evinayong to Aconibe road, km 23, Orillas del Miong)	Equatorial Guinea	1° 22' 13" N 10° 42' 00" E	571 m
Orillas del Miong (see Noayong)	Equatorial Guinea	1° 22' 13" N 10° 42' 00" E	571 m

Aboulou, 8 km SW Akoabas	Cameroon		2° 18' 00" N 12° 04' 00" E	572 m
Basilé Radio (see Basilé village)	Equatorial Guinea		3° 41' 39" N 8° 48' 13" E	572 m
Basilé village (see also: Basilé Radio, Rasilé)	Equatorial Guinea		3° 41' 39" N 8° 48' 13" E	572 m
Ghardaïa (see also: Rhardaïa)	Algeria		32° 29' 00" N 3° 40' 00" E	572 m
Kilosa (see also: Kilossa)	Tanzania		6° 50' 00" S 36° 59' 00" E	572 m
Kilossa (see Kilosa)	Tanzania		6° 50' 00" S 36° 59' 00" E	572 m
Mbala	Tanzania		6° 50' 00" S 36° 59' 00" E	572 m
Rasilé (see Basilé village)	Equatorial Guinea		3° 41' 39" N 8° 48' 13" E	572 m
Rhardaïa (see Ghardaïa)	Algeria		32° 29' 00" N 3° 40' 00" E	572 m
Lukulu	Congo (Democratic Republic of the)		7° 08' 00" S 27° 07' 00" E	573 m
Ar Rudayyif (see also: Redevef, Redevel, Redeyef)	Tunisia		34° 23' 00" N 8° 09' 00" E	574 m
Drakensig, 5 Lark Cresent	South Africa		24° 26' 00" S 31° 01' 00" E	574 m
Mabwe	Congo (Democratic Republic of the)		8° 39' 00" S 26° 31' 00" E	574 m
Redevef (see Ar Rudayyif)	Tunisia		34° 23' 00" N 8° 09' 00" E	574 m
Redevel (see Ar Rudayyif)	Tunisia		34° 23' 00" N 8° 09' 00" E	574 m
Redeyef (see Ar Rudayyif)	Tunisia		34° 23' 00" N 8° 09' 00" E	574 m
Gonja (see also: Gonja Maore)	Tanzania		4° 16' 00" S 38° 03' 00" E	575 m
Gonja Maore (see Gonja)	Tanzania		4° 16' 00" S 38° 03' 00" E	575 m
Matumbi	Tanzania		9° 29' 00" S 35° 31' 00" E	575 m
Galungo Alto (see Golungo Alto)	Angola		9° 08' 00" S 14° 46' 00" E	577 m
Golundo Alto (see Golungo Alto)	Angola		9° 08' 00" S 14° 46' 00" E	577 m
Golungo Alto (see also: Galungo Alto, Golundo Alto)	Angola		9° 08' 00" S 14° 46' 00" E	577 m
Karaduwa	Nigeria		12° 19' 00" N 7° 41' 00" E	577 m
Ajos Höhe (see Ayos Heights)	Cameroon		3° 54' 00" N 12° 31' 00" E	578 m
Lualaba River (see Mulongo)	Congo (Democratic Republic of the)		7° 50' 00" S 27° 00' 00" E	578 m
Mulombo (see Mulongo), on Lualaba river	Congo (Democratic Republic of the)		7° 50' 00" S 27° 00' 00" E	578 m
Mulongo, on Lualaba river (see also: Lualaba River, Mulombo)	Congo (Democratic Republic of the)		7° 50' 00" S 27° 00' 00" E	578 m
Chitala River	Malawi		13° 35' 39" S 34° 26' 23" E	579 m
Kiabasi, near Voi	Kenya	ca.	3° 23' 00" S 38° 34' 00" E	579 m
Liwale district	Tanzania		9° 30' 00" S 38° 00' 00" E	579 m
Juba, 100 mi [=160 km] NW (see Mundri)	South Sudan		5° 24' 00" N 30° 15' 00" E	580 m
Mandri (see Mundri), 100 mi. NW of Juba, 500 mi. E of Wau	South Sudan		5° 24' 00" N 30° 15' 00" E	580 m
Mundri, 100 mi. NW of Juba, 500 mi. E of Wau (see also: Juba, 100 mi [=160 km] NW, Mandri, Wau, 500 mi [=800 km] E)	South Sudan		5° 24' 00" N 30° 15' 00" E	580 m
Punda Malia (see Punda Maria)	South Africa		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maliya (see Punda Maria)	South Africa		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria (see also: Punda Malia, Punda Maliya, Punda Maria Camp, Punda Maria Rest Camp, Punda Maria-ruskamp)	South Africa		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria Camp (see Punda Maria)	South Africa		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria Rest Camp (see Punda Maria)	South Africa		22° 41' 00" S 31° 01' 00" E	580 m
Punda Maria-ruskamp (see Punda Maria)	South Africa		22° 41' 00" S 31° 01' 00" E	580 m
Punda Milia, near Punda Maria (see also: Punda Milia Camp, Punda Milia Police post, Punda Milia, pumphouse)	South Africa		22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia Camp (see Punda Milia)	South Africa		22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia Police post (see Punda Milia)	South Africa		22° 41' 51" S 31° 01' 12" E	580 m
Punda Milia, pumphouse (see Punda Milia)	South Africa		22° 41' 51" S 31° 01' 12" E	580 m
Wau, 500 mi [=800 km] E (see Mundri)	South Sudan		5° 24' 00" N 30° 15' 00" E	580 m
Etom	Equatorial Guinea		1° 19' 06" N 10° 51' 15" E	582 m
Lokori	Kenya		1° 57' 06" N 36° 02' 09" E	582 m
Vuma, Farm (see Farm Vuma), near Entumeni Nature Reserve	South Africa		28° 53' 00" S 31° 23' 00" E	583 m
Lamco (see New Yekepa)	Liberia		7° 34' 46" N 8° 32' 16" W	584 m
Lamco Community (see New Yekepa)	Liberia		7° 34' 46" N 8° 32' 16" W	584 m
New Yekepa (see also: Lamco, Lamco Community, Yekepa)	Liberia		7° 34' 46" N 8° 32' 16" W	584 m
Yekepa (see New Yekepa)	Liberia		7° 34' 46" N 8° 32' 16" W	584 m
Ancien Beni (see Vieux Beni)	Congo (Democratic Republic of the)		0° 26' 00" N 29° 33' 00" E	585 m
Fort Beni (see Vieux Beni)	Congo (Democratic Republic of the)		0° 26' 00" N 29° 33' 00" E	585 m

Kimbinga market	Congo (Democratic Republic of the)	5° 08' 00" S 19° 03' 00" E	585 m
Vieux Beni (see also: Ancien Beni, Fort Beni)	Congo (Democratic Republic of the)	0° 26' 00" N 29° 33' 00" E	585 m
Mungamba	Congo (Democratic Republic of the)	5° 28' 00" S 18° 35' 00" E	586 m
Mehadid	Ethiopia	12° 18' 00" N 35° 46' 00" E	587 m
Abadla	Algeria	31° 01' 00" N 2° 44' 00" W	588 m
Chanda (see Chandra), primary school	Comoro Islands	12° 11' 42" S 44° 27' 53" E	588 m
Chandra, primary school (see also: Chanda)	Comoro Islands	12° 11' 42" S 44° 27' 53" E	588 m
Ksar el Abadla (see Natron See)	Algeria	31° 01' 00" N 2° 44' 00" W	588 m
Avakubi, left bank of Ituri river	Congo (Democratic Republic of the)	1° 19' 00" N 27° 33' 00" E	589 m
Bala (see Bata)	Congo (Democratic Republic of the)	6° 01' 00" S 19° 40' 00" E	590 m
Bata (see also: Bala)	Congo (Democratic Republic of the)	6° 01' 00" S 19° 40' 00" E	590 m
Kwamkoro [Forest Reserve] (see Kwamkoro-Kwamsambia Forest Reserve)	Tanzania	5° 10' 00" S 38° 36' 00" E	590 m
Kwamkoro-Kwamsambia Forest Reserve, Nenguruwe River (see also: Kwamkoro [Forest Reserve])	Tanzania	5° 10' 00" S 38° 36' 00" E	590 m
Mabwe river, East of Lake Upemba	Congo (Democratic Republic of the)	8° 42' 00" S 26° 29' 00" E	590 m
Meponda, on E bank Lake Niassa	Mozambique	13° 24' 05" S 34° 52' 14" E	590 m
Manguémé (see Mengémé Village)	Cameroon	3° 15' 00" N 11° 24' 00" E	591 m
Mebueme Village (see Mengémé Village)	Cameroon	3° 15' 00" N 11° 24' 00" E	591 m
Mengémé Village (see also: Manguémé, Mebueme Village, Mengueme)	Cameroon	3° 15' 00" N 11° 24' 00" E	591 m
Mengueme (see Mengémé Village)	Cameroon	3° 15' 00" N 11° 24' 00" E	591 m
Aman, 10 km from Bata, on road to Mbini (see also: Bata, 10 km from, on road to Mbini)	Equatorial Guinea	1° 46' 18" N 9° 46' 32" E	592 m
Bata, 10 km from, on road to Mbini (see Aman)	Equatorial Guinea	1° 46' 18" N 9° 46' 32" E	592 m
Ngam, 6? km NNW Sangmélima	Cameroon	2° 47' 00" N 11° 54' 00" E	592 m
Fasao (see Fazao)	Togo	8° 42' 00" N 0° 47' 00" E	593 m
Fasaou (see Fazao)	Togo	8° 42' 00" N 0° 47' 00" E	593 m
Fasau (see Fazao)	Togo	8° 42' 00" N 0° 47' 00" E	593 m
Fasuu (see Fazao)	Togo	8° 42' 00" N 0° 47' 00" E	593 m
Fazao (see also: Fasao, Fasaou, Fasau, Fasuu, Fazaou, Fisao)	Togo	8° 42' 00" N 0° 47' 00" E	593 m
Fazaou (see Fazao)	Togo	8° 42' 00" N 0° 47' 00" E	593 m
Fisao (see Fazao)	Togo	8° 42' 00" N 0° 47' 00" E	593 m
Tombel	Cameroon	4° 45' 06" N 9° 40' 22" E	593 m
Umbumbulu	South Africa	29° 59' 00" S 30° 42' 00" E	593 m
Acornhoek, 11 km N Newinngton (see also: Newinngton, 11 km N)	South Africa	24° 35' 00" S 31° 05' 00" E	594 m
Moliko	Cameroon	4° 09' 34" N 9° 16' 55" E	594 m
Newinngton, 11 km N (see Acornhoek)	South Africa	24° 35' 00" S 31° 05' 00" E	594 m
Feiran Oasis, W edge	Egypt	28° 43' 00" N 33° 37' 00" E	595 m
Magadi	Kenya	1° 54' 00" S 36° 17' 00" E	595 m
Nzara, Zande district	South Sudan	4° 38' 36" N 28° 15' 11" E	595 m
Barberton (mine) tunnel	South Africa	25° 47' 58" S 31° 02' 57" E	596 m
Mtandika	Tanzania	7° 32' 00" S 36° 26' 00" E	596 m
Shabunda	Congo (Democratic Republic of the)	2° 42' 00" S 27° 20' 00" E	596 m
Al Fjayj (see Al Fujayj)	Libya	26° 32' 32" N 13° 18' 39" E	597 m
Al Fujayj (see also: Al Fjayj, El-Fgeg)	Libya	26° 32' 32" N 13° 18' 39" E	597 m
El-Fgeg (see Al Fujayj)	Libya	26° 32' 32" N 13° 18' 39" E	597 m
Masabu	Congo (Democratic Republic of the)	4° 33' 00" S 16° 54' 00" E	597 m
Macenta (see also: Magenta)	Guinea	8° 32' 46" N 9° 28' 10" W	598 m
Magenta (see Macenta)	Guinea	8° 32' 46" N 9° 28' 10" W	598 m
Taza, Lead mine [=Mine de Plomb]	Morocco	34° 13' 00" N 4° 01' 00" W	598 m
Boso-Dula (see also: Bosodula)	Congo (Democratic Republic of the)	4° 17' 00" N 20° 29' 00" E	599 m
Bosodula (see Boso-Dula)	Congo (Democratic Republic of the)	4° 17' 00" N 20° 29' 00" E	599 m
Toudjane (see Tujan)	Tunisia	33° 28' 00" N 10° 08' 00" E	599 m
Toujane (see Tujan)	Tunisia	33° 28' 00" N 10° 08' 00" E	599 m
Tujan (see also: Toudjane, Toujane)	Tunisia	33° 28' 00" N 10° 08' 00" E	599 m

2002 RAP Site 2	Guinea		8° 31' 29" N 8° 56' 12" W	600 m
Atherstone, Farm (see Farm Atherstone)	South Africa		33° 19' 00" S 26° 22' 00" E	600 m
Bua Camp, Guard houses	Malawi		12° 49' 00" S 34° 10' 00" E	600 m
Butiaba (see also: Butlaba)	Uganda		1° 48' 41" N 31° 19' 50" E	600 m
Butlaba (see Butiaba)	Uganda		1° 48' 41" N 31° 19' 50" E	600 m
Chita, 4.5 km W	Tanzania		8° 31' 10" S 35° 54' 15" E	600 m
Clanwilliam	South Africa		32° 08' 00" S 18° 57' 00" E	600 m
Farm 152 (Vrisgewaagd) (see Farm Vrisgewaagd 152)	South Africa		33° 15' 47" S 21° 52' 57" E	600 m
Farm Atherstone (see also: Atherstone, Farm)	South Africa		33° 19' 00" S 26° 22' 00" E	600 m
Farm Vrisgewaagd 152, 4.0 km S, 13.9 km W Prince Albert (see also: Farm 152 (Vrisgewaagd), Prince Albert, 4.0 km S, 13.9 km W, Vrisgewaagd, Farm 152)	South Africa		33° 15' 47" S 21° 52' 57" E	600 m
Fish River Canyon	Namibia		27° 30' 00" S 17° 40' 00" E	600 m
Gamangui	Congo (Democratic Republic of the)		2° 10' 00" N 27° 15' 00" E	600 m
Highbury Farm	South Africa		32° 35' 00" S 27° 41' 00" E	600 m
Koumbala Camp	Central African Republic		7° 29' 00" N 21° 13' 00" E	600 m
Koumbala Camp, 11.5 km NW	Central African Republic		7° 29' 00" N 21° 13' 00" E	600 m
Minvoul, 28 km ESE (see Projet OIBT trail (PK 24))	Gabon		2° 05' 12" N 12° 22' 30" E	600 m
Minvoul, 31 km ESE (see Projet OIBT trail (PK 29))	Gabon		2° 04' 48" N 12° 24' 24" E	600 m
Mueli	Cameroon		4° 23' 00" N 9° 07' 00" E	600 m
Ndjolé, 4 km N	Cameroon	ca.	4° 49' 00" N 11° 56' 00" E	ca. 600 m
Ndjolé, 6 km N	Cameroon	ca.	4° 49' 00" N 11° 56' 00" E	ca. 600 m
Prince Albert, 4.0 km S, 13.9 km W (see Farm Vrisgewaagd 152)	South Africa		33° 15' 47" S 21° 52' 57" E	600 m
Projet OIBT trail (PK 24), 28 km ESE Minvoul (see also: Minvoul, 28 km ESE)	Gabon		2° 05' 12" N 12° 22' 30" E	600 m
Projet OIBT trail (PK 29), 31 km ESE Minvoul (see also: Minvoul, 31 km ESE)	Gabon		2° 04' 48" N 12° 24' 24" E	600 m
Vrisgewaagd, Farm 152 (see Farm Vrisgewaagd 152)	South Africa		33° 15' 47" S 21° 52' 57" E	600 m

601 - 700 m:

Bukama	Congo (Democratic Republic of the)		9° 12' 00" S 25° 51' 00" E	601 m
Chirfa	Niger		20° 57' 12" N 12° 20' 26" E	601 m
Chirfa Driga	Niger		20° 57' 12" N 12° 20' 26" E	601 m
Germa (see Jarmah)	Libya		26° 31' 46" N 13° 04' 23" E	601 m
Jarmah (see also: Germa)	Libya		26° 31' 46" N 13° 04' 23" E	601 m
Meponda, 6 km E, near Lake Niassa	Mozambique		13° 21' 53" S 34° 53' 53" E	601 m
Nimule, 30 mi [=48 km] N (see Shukoli)	South Sudan		6° 55' 00" N 31° 46' 00" E	601 m
Shongweni Polo Club	South Africa		29° 46' 49" S 30° 45' 00" E	601 m
Shukali (see Shukoli), 30 mi [=48 km] N Nimule	South Sudan		6° 55' 00" N 31° 46' 00" E	601 m
Shukoli, 30 mi [=48 km] N Nimule (see also: Nimule, 30 mi [=48 km] N, Shukali)	South Sudan		6° 55' 00" N 31° 46' 00" E	601 m
Kailo, road to Kalima	Congo (Democratic Republic of the)		2° 38' 00" S 26° 06' 00" E	602 m
Hausberg (see Kloto)	Togo		6° 57' 00" N 0° 34' 00" E	603 m
Kloto (see also: Hausberg, Klouto, Kluto)	Togo		6° 57' 00" N 0° 34' 00" E	603 m
Klouto (see Kloto)	Togo		6° 57' 00" N 0° 34' 00" E	603 m
Kluto (see Kloto)	Togo		6° 57' 00" N 0° 34' 00" E	603 m
Raga, 200 mi W Wau or 250 km NW Wau [318 km by road] (see also: Ragaa, Raja, Wau, 200 mi [=322 km] W, Wau, 250 km NW [318 km by road])	South Sudan		8° 28' 00" N 25° 41' 00" E	603 m
Ragaa (see Raga)	South Sudan		8° 28' 00" N 25° 41' 00" E	603 m
Raja (see Raga)	South Sudan		8° 28' 00" N 25° 41' 00" E	603 m
Wau, 200 mi [=322 km] W (see Raga)	South Sudan		8° 28' 00" N 25° 41' 00" E	603 m
Wau, 250 km NW [318 km by road] (see Raga)	South Sudan		8° 28' 00" N 25° 41' 00" E	603 m
Kuleponge (see Kulepongi)	Congo (Democratic Republic of the)		3° 22' 00" N 25° 41' 00" E	604 m
Kulepongi (see also: Kuleponge, Kulepongo)	Congo (Democratic Republic of the)		3° 22' 00" N 25° 41' 00" E	604 m
Kulepongo (see Kulepongi)	Congo (Democratic Republic of the)		3° 22' 00" N 25° 41' 00" E	604 m
Lafon (see also: Lafoon)	South Sudan		5° 02' 00" N 32° 27' 00" E	604 m

Lafoon (see Lafon)	South Sudan	5° 02' 00" N 32° 27' 00" E	604 m
Maninday, 220 km NE Tulear (see also: Tulear, 220 km NE)	Madagascar	22° 47' 00" S 44° 48' 00" E	604 m
Mbanza-Ngungu (see also: Cave C.8.1, Thysstad, Thysville)	Congo (Democratic Republic of the)	5° 15' 00" S 14° 52' 00" E	604 m
Thysstad (see Mbanza-Ngungu)	Congo (Democratic Republic of the)	5° 15' 00" S 14° 52' 00" E	604 m
Thysville (see Mbanza-Ngungu)	Congo (Democratic Republic of the)	5° 15' 00" S 14° 52' 00" E	604 m
Tulear, 220 km NE (see Maninday)	Madagascar	22° 47' 00" S 44° 48' 00" E	604 m
Boulankio	Congo	3° 49' 10" S 15° 15' 18" E	605 m
Takaba (see also: Takabba)	Kenya	3° 21' 19" N 40° 13' 22" E	606 m
Takabba (see Takaba)	Kenya	3° 21' 19" N 40° 13' 22" E	606 m
Kiambi	Congo (Democratic Republic of the)	7° 20' 00" S 28° 01' 00" E	607 m
Kikondja (see also: Kikondji)	Congo (Democratic Republic of the)	8° 11' 00" S 26° 26' 00" E	607 m
Kikondji (see Kikondja)	Congo (Democratic Republic of the)	8° 11' 00" S 26° 26' 00" E	607 m
Megbiya Ber	Ethiopia	12° 16' 00" N 35° 43' 00" E	607 m
Babeke, on Isai river	Congo (Democratic Republic of the)	1° 24' 00" N 28° 04' 00" E	608 m
Biakabomba	Congo (Democratic Republic of the)	6° 27' 00" S 21° 02' 00" E	608 m
Chitala (see also: Chitale)	Malawi	13° 40' 00" S 34° 16' 00" E	608 m
Chitale (see Chitala)	Malawi	13° 40' 00" S 34° 16' 00" E	608 m
Gwarzo	Nigeria	11° 54' 58" N 7° 56' 01" E	608 m
Kamuesha (see also: Kamueshi, Kamwesha)	Congo (Democratic Republic of the)	6° 12' 00" S 21° 26' 00" E	608 m
Kamueshi (see Kamuesha)	Congo (Democratic Republic of the)	6° 12' 00" S 21° 26' 00" E	608 m
Kamwesha (see Kamuesha)	Congo (Democratic Republic of the)	6° 12' 00" S 21° 26' 00" E	608 m
Kananga (see also: Lulua, Luluabourg, Luluaburg, Mission St Joseph)	Congo (Democratic Republic of the)	5° 53' 45" S 22° 25' 04" E	608 m
Kintobongo (see also: Kintobongo-Bunge, Kitobongo, Kitombongo)	Congo (Democratic Republic of the)	8° 53' 56" S 26° 23' 25" E	608 m
Kintobongo-Bunge (see Kintobongo)	Congo (Democratic Republic of the)	8° 53' 56" S 26° 23' 25" E	608 m
Kitobongo (see Kintobongo)	Congo (Democratic Republic of the)	8° 53' 56" S 26° 23' 25" E	608 m
Kitombongo (see Kintobongo)	Congo (Democratic Republic of the)	8° 53' 56" S 26° 23' 25" E	608 m
Lulua (see Kananga)	Congo (Democratic Republic of the)	5° 53' 45" S 22° 25' 04" E	608 m
Luluabourg (see Kananga)	Congo (Democratic Republic of the)	5° 53' 45" S 22° 25' 04" E	608 m
Luluaburg (see Kananga)	Congo (Democratic Republic of the)	5° 53' 45" S 22° 25' 04" E	608 m
Malandje (see Malandji)	Congo (Democratic Republic of the)	5° 56' 22" S 22° 17' 57" E	608 m
Malandji (see also: Malandje, Malanji)	Congo (Democratic Republic of the)	5° 56' 22" S 22° 17' 57" E	608 m
Malanji (see Malandji)	Congo (Democratic Republic of the)	5° 56' 22" S 22° 17' 57" E	608 m
Mang	Cameroon	3° 20' 00" N 14° 02' 00" E	608 m
Mikalaie (mission) (see Mikalaya)	Congo (Democratic Republic of the)	6° 01' 00" S 22° 19' 00" E	608 m
Mikalaya (see also: Mikalaie (mission), Mikalaya missie, Mikalaya mission, Mission de Mikalaya, Saint Joseph de Luluabourg (mission), Saint-Joseph (misson), St Joseph mission, St. Jos. (misson), St. Joseph de Luluabourg mission)	Congo (Democratic Republic of the)	6° 01' 00" S 22° 19' 00" E	608 m
Mikalaya missie (see Mikalaya)	Congo (Democratic Republic of the)	6° 01' 00" S 22° 19' 00" E	608 m
Mikalaya mission (see Mikalaya)	Congo (Democratic Republic of the)	6° 01' 00" S 22° 19' 00" E	608 m
Mission St Joseph (see Kananga)	Congo (Democratic Republic of the)	5° 53' 45" S 22° 25' 04" E	608 m
Ndjolé (see also: Ndjoré)	Cameroon	4° 49' 00" N 11° 56' 00" E	608 m

Ndjoré (see Ndjolé)	Cameroon	4° 49' 00" N 11° 56' 00" E	608 m
Oveng	Cameroon	2° 25' 00" N 12° 16' 00" E	608 m
Saint Joseph de Luluabourg (mission) (see Mikalaya)	Congo (Democratic Republic of the)	6° 01' 00" S 22° 19' 00" E	608 m
Saint-Joseph (misson) (see Mikalaya)	Congo (Democratic Republic of the)	6° 01' 00" S 22° 19' 00" E	608 m
St Joseph mission (see Mikalaya)	Congo (Democratic Republic of the)	6° 01' 00" S 22° 19' 00" E	608 m
St. Jos. (misson) (see Mikalaya)	Congo (Democratic Republic of the)	6° 01' 00" S 22° 19' 00" E	608 m
St. Joseph de Luluabourg mission (see Mikalaya)	Congo (Democratic Republic of the)	6° 01' 00" S 22° 19' 00" E	608 m
Tshibungu	Congo (Democratic Republic of the)	5° 37' 34" S 22° 15' 57" E	608 m
Al Obayyid (see Al Ubayyi?)	Sudan	13° 11' 00" N 30° 13' 00" E	609 m
Al Ubayd (see Al Ubayyi?)	Sudan	13° 11' 00" N 30° 13' 00" E	609 m
Al Ubayyi? (see also: Al Obayyid, Al Ubayd, Al-'Obêd, El Obeid, El Ubeiyad, Ubêd)	Sudan	13° 11' 00" N 30° 13' 00" E	609 m
Al-'Obêd (see Al Ubayyi?)	Sudan	13° 11' 00" N 30° 13' 00" E	609 m
Balouma area, 25 km NW Macenta (see also: Macenta, 25 km NW)	Guinea	8° 39' 00" N 9° 38' 00" W	609 m
Daym Zubayr, 100 mi [=160 km] W Wau (see also: Deim Zubeir, Dem Az Ziber, Dem Zubeir, Wau, 100 mi [=160 km] W)	South Sudan	7° 43' 00" N 26° 13' 00" E	609 m
Deim Zubeir (see Daym Zubayr), 100 mi [=160 km] W Wau	South Sudan	7° 43' 00" N 26° 13' 00" E	609 m
Dem Az Ziber (see Daym Zubayr), 100 mi [=160 km] W Wau	South Sudan	7° 43' 00" N 26° 13' 00" E	609 m
Dem Zubeir (see Daym Zubayr), 100 mi [=160 km] W Wau	South Sudan	7° 43' 00" N 26° 13' 00" E	609 m
El Obeid (see Al Ubayyi?)	Sudan	13° 11' 00" N 30° 13' 00" E	609 m
El Ubeiyad (see Al Ubayyi?)	Sudan	13° 11' 00" N 30° 13' 00" E	609 m
Macenta, 25 km NW (see Balouma area)	Guinea	8° 39' 00" N 9° 38' 00" W	609 m
Ubêd (see Al Ubayyi?)	Sudan	13° 11' 00" N 30° 13' 00" E	609 m
Wau, 100 mi [=160 km] W (see Daym Zubayr)	South Sudan	7° 43' 00" N 26° 13' 00" E	609 m
Zobia	Congo (Democratic Republic of the)	2° 58' 00" N 25° 56' 00" E	609 m
Ango	Congo (Democratic Republic of the)	4° 02' 00" N 25° 52' 00" E	610 m
Ango cave (see also: Ango grot, Grotte d'Ango)	Congo (Democratic Republic of the)	4° 02' 00" N 25° 52' 00" E	610 m
Ango grot (see Ango cave)	Congo (Democratic Republic of the)	4° 02' 00" N 25° 52' 00" E	610 m
Bangwelk, Lake (see Lake Bangweulu)	Zambia	11° 05' 00" S 29° 45' 00" E	610 m
Bangweolo, lake (see Lake Bangweulu)	Zambia	11° 05' 00" S 29° 45' 00" E	610 m
Bangweulu, lake (see Lake Bangweulu)	Zambia	11° 05' 00" S 29° 45' 00" E	610 m
Bélabo	Cameroon	4° 56' 00" N 13° 18' 00" E	610 m
Bengweulu, Lake (see Lake Bangweulu)	Zambia	11° 05' 00" S 29° 45' 00" E	610 m
Farm Waterloo, 1.5 km S, 1.2 km E Grahamstown (see also: Grahamstown, 1.5 km S, 1.2 km E, Waterloo, Farm)	South Africa	33° 19' 26" S 26° 32' 18" E	610 m
Gaoyanga (see Ngaouyanga)	Cameroon	7° 54' 00" N 13° 36' 00" E	610 m
Goyanga (see Ngaouyanga)	Cameroon	7° 54' 00" N 13° 36' 00" E	610 m
Grahamstown, 1.5 km S, 1.2 km E (see Farm Waterloo)	South Africa	33° 19' 26" S 26° 32' 18" E	610 m
Grotte d'Ango (see Ango cave)	Congo (Democratic Republic of the)	4° 02' 00" N 25° 52' 00" E	610 m
Kabalega Falls National Park (see also: Kabalega National Park , Kabarega National Park , Kabarenga National Park , Murchison Falls National Park, Murchison Falls Park)	Uganda	2° 08' 46" N 31° 48' 40" E	610 m
Kabalega National Park (see Kabalega Falls National Park)	Uganda		610 m
Kabarega National Park (see Kabalega Falls National Park)	Uganda		610 m
Kabarenga National Park (see Kabalega Falls National Park)	Uganda		610 m
Kabwe, 50 km SW Kananga (see also: Kananga, 50 km SW, Luluaburg, 50 km SW)	Congo (Democratic Republic of the)	6° 12' 00" S 22° 23' 00" E	610 m
Kananga, 50 km SW (see Kabwe)	Congo (Democratic Republic of the)	6° 12' 00" S 22° 23' 00" E	610 m
Kankomba River, Lundazi	Zambia	13° 30' 00" S 32° 15' 00" E	610 m
Kapsaina (dam)	Kenya	0° 56' 50" N 35° 16' 00" E	610 m

Katobwe, on Lualaba river, 40 mi [=64 km] below Bukama (see also: Bukama, 40 mi [=64 km] below)	Congo (Democratic Republic of the)		8° 54' 00" S 26° 04' 00" E	610 m
Kazilondok	Zambia		11° 30' 00" S 33° 00' 00" E	610 m
Lake Bangwelk (see Lake Bangweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	610 m
Lake Bangweolo (see Lake Bangweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	610 m
Lake Bangweulu (see also: Bangwelk, Lake, Bangweolo, lake, Bangweulu, lake, Bengweulu, Lake, Lake Bangwelk, Lake Bangweolo, Lake Bengweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	610 m
Lake Bengweulu (see Lake Bangweulu)	Zambia		11° 05' 00" S 29° 45' 00" E	610 m
Lélo	Cameroon		4° 20' 00" N 14° 07' 00" E	610 m
Lofi, 30 mi [=48 km] ESE Torit (see also: Torit, 30 mi [=48 km] ESE)	South Sudan		4° 14' 22" N 32° 59' 22" E	610 m
Luluaburg, 50 km SW (see Kabwe)	Congo (Democratic Republic of the)		6° 12' 00" S 22° 23' 00" E	610 m
Lundazi, Lundi River	Zambia		11° 30' 00" S 32° 30' 00" E	610 m
Magadi, near	Kenya	ca.	1° 54' 00" S 36° 17' 00" E	610 m
Mount Tandou (see also: Tandou, mount)	Gabon		1° 50' 00" S 10° 40' 00" E	610 m
Murchison Falls National Park (see Kabalega Falls National Park)	Uganda		2° 08' 46" N 31° 48' 40" E	610 m
Murchison Falls Park (see Kabalega Falls National Park)	Uganda		2° 08' 46" N 31° 48' 40" E	610 m
Murka mine, near Maktau	Kenya		3° 22' 00" S 37° 56' 00" E	610 m
Ngaaouyanga (see Ngaouyanga)	Cameroon		7° 54' 00" N 13° 36' 00" E	610 m
Ngaouyanga (see also: Gaoyanga, Goyanga, Ngaaouyanga)	Cameroon		7° 54' 00" N 13° 36' 00" E	610 m
Nguruman Escarpment, Uaso River Bridge, 1.6 km N	Kenya		1° 45' 00" S 36° 02' 00" E	610 m
Saiwa river	Kenya		1° 06' 00" N 35° 07' 00" E	610 m
Samba	Congo (Democratic Republic of the)		4° 38' 00" S 26° 22' 00" E	610 m
Sarmai (see also: Sarmach)	Kenya		1° 46' 00" N 35° 28' 00" E	610 m
Tandou, mount (see Mount Tandou)	Gabon		0° 01' 45" S 0° 10' 35" E	610 m
Torit	South Sudan		4° 24' 48" N 32° 34' 04" E	610 m
Torit, 30 mi [=48 km] ESE (see Lofi)	South Sudan		4° 14' 22" N 32° 59' 22" E	610 m
Voi, 30 km E (see Wangala)	Kenya		3° 36' 08" S 38° 49' 52" E	610 m
Wadi Alagi, Eastern Nubia	Sudan	ca.	22° 00' 00" N 35° 00' 00" E	610 m
Wangala, 38 km E Voi (see also: Voi, 30 km E, Wangala Station)	Kenya		3° 36' 08" S 38° 49' 52" E	610 m
Waterloo, Farm (see Farm Waterloo)	South Africa		33° 19' 26" S 26° 32' 18" E	610 m
Banza Nfinda caves (see also: Banza Nfinda grot, Grotte de Banza Nfinda)	Congo (Democratic Republic of the)		5° 16' 00" S 14° 52' 00" E	ca. 611 m
Banza Nfinda grot (see Banza Nfinda caves)	Congo (Democratic Republic of the)		5° 16' 00" S 14° 52' 00" E	ca. 611 m
Grotte de Nioumbadjou (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Grotte de Niumbadju (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Grotte de Niumbaju (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Grotte de Tohbugodunda (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Lomié	Cameroon		3° 10' 00" N 13° 37' 00" E	611 m
Makengo, on Kwango river	Congo (Democratic Republic of the)		4° 46' 00" S 16° 19' 00" E	611 m
Miéri	Cameroon		4° 15' 00" N 13° 59' 00" E	611 m
Nioumbadjou cave (see also: Grotte de Nioumbadjou, Grotte de Niumbadju, Grotte de Niumbaju, Grotte de Tohbugodunda, Niumbadju cave, Niumbaju cave, Tohbugodunda cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Niumbadju cave (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Niumbaju cave (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Tohbugodunda cave (see Nioumbadjou cave)	Comoro Islands		11° 47' 57" S 43° 17' 50" E	ca. 611 m
Aledjo (see Alédjo Kadara)	Togo		9° 15' 00" N 1° 12' 00" E	612 m
Alédjo Kadara (see also: Aledjo)	Togo		9° 15' 00" N 1° 12' 00" E	612 m
Kaduna	Nigeria		10° 31' 23" N 7° 26' 25" E	612 m
Monte Café	São Tomé and Principé		0° 18' 01" N 6° 38' 27" E	612 m
Mwana-Kusu (see also: Mwanakusu)	Congo (Democratic Republic of the)		4° 26' 00" S 26° 48' 00" E	612 m
Mwanakusu (see Mwana-Kusu)	Congo (Democratic Republic of the)		4° 26' 00" S 26° 48' 00" E	612 m
Dubulu	Congo (Democratic Republic of the)		4° 18' 00" N 20° 16' 00" E	613 m
Nkometou	Cameroon		4° 03' 00" N 11° 33' 00" E	613 m
Pretorius Kop Rest Camp (see Pretoriuskop)	South Africa		25° 10' 13" S 31° 16' 03" E	613 m

Pretoriuskop (see also: Pretorius Kop Rest Camp, Pretoriuskop Rest Camp, Pretoriuskop Ruskamp)	South Africa	25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop Rest Camp (see Pretoriuskop)	South Africa	25° 10' 13" S 31° 16' 03" E	613 m
Pretoriuskop Ruskamp (see Pretoriuskop)	South Africa	25° 10' 13" S 31° 16' 03" E	613 m
Bambesa	Congo (Democratic Republic of the)	3° 28' 00" N 25° 43' 00" E	614 m
Farm Nooitgedacht, 20 km from Louis Trichardr (see also: Nooitgedacht, Farm)	South Africa	22° 56' 00" S 29° 58' 00" E	614 m
Mvoutési II, 60 km W Yaoundé, on Ayos road (see also: Yaoundé, 60 km W, on Ayos road)	Cameroon	3° 15' 00" N 11° 48' 00" E	614 m
Nooitgedacht, Farm (see Farm Nooitgedacht)	South Africa	22° 56' 00" S 29° 58' 00" E	614 m
Bena Tshadi (see also: Bena Tshandi, Bena Tshiadi)	Congo (Democratic Republic of the)	4° 40' 00" S 22° 49' 00" E	615 m
Bena Tshandi (see Bena Tshadi)	Congo (Democratic Republic of the)	4° 40' 00" S 22° 49' 00" E	615 m
Bena Tshiadi (see Bena Tshadi)	Congo (Democratic Republic of the)	4° 40' 00" S 22° 49' 00" E	615 m
Bicomo, near Bata (see also: Micomo)	Equatorial Guinea	1° 47' 31" N 9° 52' 16" E	615 m
Micomo (see Bicomo)	Equatorial Guinea	1° 47' 31" N 9° 52' 16" E	615 m
Bitye, on Ja/Dja River	Cameroon	3° 01' 00" N 12° 22' 00" E	616 m
Bou Izakaren (see Bou Izakarn)	Morocco	29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarene (see Bou Izakarn)	Morocco	29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarn (see also: Bou Izakaren, Bou Izakarene, Bou Izakarne, Bu Isacarn)	Morocco	29° 09' 36" N 9° 43' 48" W	617 m
Bou Izakarne (see Bou Izakarn)	Morocco	29° 09' 36" N 9° 43' 48" W	617 m
Bu Isacarn (see Bou Izakarn)	Morocco	29° 09' 36" N 9° 43' 48" W	617 m
Medja (see Medje)	Congo (Democratic Republic of the)	2° 25' 00" N 27° 18' 00" E	617 m
Medje (see also: Medja)	Congo (Democratic Republic of the)	2° 25' 00" N 27° 18' 00" E	617 m
Kariba	Zimbabwe	16° 31' 00" S 28° 48' 00" E	618 m
Kasaka	Congo (Democratic Republic of the)	5° 07' 00" S 26° 09' 00" E	618 m
Péwa	Togo	9° 17' 00" N 1° 14' 00" E	618 m
Kasende	Congo (Democratic Republic of the)	5° 56' 56" S 22° 32' 18" E	619 m
Macambrará, Morro Palmira (see also: Makambrará, Pico Macambrara)	São Tomé and Principé	0° 16' 00" N 6° 38' 00" E	619 m
Makambrará (see Macambrará)	São Tomé and Principé	0° 16' 00" N 6° 38' 00" E	619 m
Matamba	Congo (Democratic Republic of the)	5° 56' 57" S 22° 15' 56" E	619 m
Niapu	Congo (Democratic Republic of the)	2° 25' 00" N 26° 28' 00" E	619 m
Yambio	South Sudan	4° 34' 14" N 28° 24' 59" E	619 m
Catambica (see Catandica)	Mozambique	18° 03' 27" S 33° 10' 25" E	620 m
Catandica (see also: Catambica, Vila Gouveia, Vila Goveia)	Mozambique	18° 03' 27" S 33° 10' 25" E	620 m
Newala	Tanzania	10° 56' 00" S 39° 18' 00" E	620 m
Vila Gouveia (see Catandica)	Mozambique	18° 03' 27" S 33° 10' 25" E	620 m
Vila Goveia (see Catandica)	Mozambique	18° 03' 27" S 33° 10' 25" E	620 m
Tourela, 2.3 km E	Guinea	8° 30' 32" N 8° 57' 00" W	621 m
Voka	Congo	4° 41' 00" S 14° 41' 00" E	621 m
Dambala (see Djambala)	Congo	2° 34' 41" S 14° 45' 12" E	622 m
Djambala (see also: Dambala, Djamballa)	Congo	2° 34' 41" S 14° 45' 12" E	622 m
Djamballa (see Djambala)	Congo	2° 34' 41" S 14° 45' 12" E	622 m
Al Bayda' (see also: Al Bay?a', Al-Baida, Az Zawiyah al Bay?a', Baida, Balagrae, Balis, Bayda, Beda, Beida, El Beida, White Monastery, Zauia el Beda, Zawiat al-Baida, Zawiyat al Bay?a', Zawiyat el-Be?a')	Libya	32° 45' 59" N 21° 44' 30" E	623 m
Al Bay?a' (see Al Bayda')	Libya	32° 45' 59" N 21° 44' 30" E	623 m
Al-Baida (see Al Bayda')	Libya	32° 45' 59" N 21° 44' 30" E	623 m
Az Zawiyah al Bay?a' (see Al Bayda')	Libya	32° 45' 59" N 21° 44' 30" E	623 m
Baida (see Al Bayda')	Libya	32° 45' 59" N 21° 44' 30" E	623 m
Balagrae (see Al Bayda')	Libya	32° 45' 59" N 21° 44' 30" E	623 m
Balis (see Al Bayda')	Libya	32° 45' 59" N 21° 44' 30" E	623 m
Bayda (see Al Bayda')	Libya	32° 45' 59" N 21° 44' 30" E	623 m
Bazimini	Comoro Islands	12° 10' 45" S 44° 26' 56" E	623 m
Beda (see Al Bayda')	Libya	32° 45' 59" N 21° 44' 30" E	623 m

Beida (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
El Beida (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
White Monastery (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Zauia el Beda (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Zawiat al-Baida (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Zawiyat al Bay?a' (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Zawiyat el-Be?a' (see Al Bayda')	Libya		32° 45' 59" N 21° 44' 30" E	623 m
Doussala, 25.2 km NW	Gabon		2° 13' 38" S 10° 23' 40" E	625 m
Kapaya (see Kasongo)	Congo (Democratic Republic of the)		4° 27' 00" S 26° 40' 00" E	625 m
Kasongo (see also: Kapaya, Kazongo, Tongoni)	Congo (Democratic Republic of the)		4° 27' 00" S 26° 40' 00" E	625 m
Kazongo (see Kasongo)	Congo (Democratic Republic of the)		4° 27' 00" S 26° 40' 00" E	625 m
Tongoni (see Kasongo)	Congo (Democratic Republic of the)		4° 27' 00" S 26° 40' 00" E	625 m
Bragança (see Calandula)	Angola		9° 06' 00" S 15° 57' 00" E	626 m
Calandula (see also: Bragança, Duque de Bragança, Kalandula, Nalandula)	Angola		9° 06' 00" S 15° 57' 00" E	626 m
Constantine, road between Sétif and Annaba	Algeria		36° 22' 00" N 6° 37' 00" E	626 m
Duque de Bragança (see Calandula)	Angola		9° 06' 00" S 15° 57' 00" E	626 m
Iringa, 137 km SE (see Mbangala)	Tanzania		8° 36' 00" S 36° 44' 00" E	626 m
Kalandula (see Calandula)	Angola		9° 06' 00" S 15° 57' 00" E	626 m
Mbangala, 137 km SE Iringa (see also: Iringa, 137 km SE, Mbanja)	Tanzania		8° 36' 00" S 36° 44' 00" E	626 m
Mbanja (see Mbangala), 137 km SE Iringa	Tanzania		8° 36' 00" S 36° 44' 00" E	626 m
Nalandula (see Calandula)	Angola		9° 06' 00" S 15° 57' 00" E	626 m
Dufile	Uganda		3° 33' 08" N 31° 56' 55" E	627 m
Mwasa	Tanzania		6° 40' 00" S 36° 45' 00" E	627 m
Ebinayon (see Evinayong)	Equatorial Guinea		1° 26' 12" N 10° 33' 04" E	628 m
Ebinayong (see Evinayong)	Equatorial Guinea		1° 26' 12" N 10° 33' 04" E	628 m
Ebineyon (see Evinayong)	Equatorial Guinea		1° 26' 12" N 10° 33' 04" E	628 m
Ebinoyon (see Evinayong)	Equatorial Guinea		1° 26' 12" N 10° 33' 04" E	628 m
Evinayong (see also: Ebinayon, Ebinayong, Ebineyon, Ebinoyon)	Equatorial Guinea		1° 26' 12" N 10° 33' 04" E	628 m
Ohamuheke (see Sesfontein)	Namibia		19° 08' 00" S 13° 37' 00" E	628 m
Sesfontein (see also: Ohamuheke, Zesfontein, Zessfontein)	Namibia		19° 08' 00" S 13° 37' 00" E	628 m
Zesfontein (see Sesfontein)	Namibia		19° 08' 00" S 13° 37' 00" E	628 m
Zessfontein (see Sesfontein)	Namibia		19° 08' 00" S 13° 37' 00" E	628 m
Digba	Congo (Democratic Republic of the)		4° 24' 00" N 25° 47' 00" E	629 m
Somalomo	Cameroon		3° 23' 00" N 12° 44' 00" E	629 m
Bordj Chambi (see also: Bordj de Chambi, Burj ash Sha‘nabi, Burj ash Sha'nabi,, Chambi, Le Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Bordj de Chambi (see Bordj Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Burj ash Sha‘nabi (see Bordj Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Burj ash Sha'nabi, (see Bordj Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Chambi (see Bordj Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
La Convalescence, on trail to	Comoro Islands	ca.	11° 45' 18" S 43° 19' 11" E	630 m
Le Chambi (see Bordj Chambi)	Tunisia		35° 14' 03" N 8° 45' 29" E	630 m
Bafuaboka (see Bafwabaka)	Congo (Democratic Republic of the)		2° 07' 00" N 27° 40' 00" E	631 m
Bafwabaka (see also: Bafuaboka, Bafwaboka)	Congo (Democratic Republic of the)		2° 07' 00" N 27° 40' 00" E	631 m
Bafwaboka (see Bafwabaka)	Congo (Democratic Republic of the)		2° 07' 00" N 27° 40' 00" E	631 m
Nanga-Eboko, 30 km E	Cameroon		4° 41' 00" N 12° 22' 00" E	631 m
Lukonga	Congo (Democratic Republic of the)		5° 48' 00" S 22° 37' 00" E	632 m
Makala	Congo (Democratic Republic of the)		0° 33' 00" N 27° 45' 00" E	634 m
Panisau (see Paniso)	Nigeria		11° 43' 00" N 7° 32' 00" E	634 m
Paniso (see also: Panisau)	Nigeria		11° 43' 00" N 7° 32' 00" E	634 m
Amani-Sigi Forest Reserve	Tanzania		5° 07' 00" S 38° 39' 00" E	635 m
Ebolowa	Cameroon		2° 54' 00" N 11° 09' 00" E	636 m
Agordat (see Akurdet)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Ak' Wirdet (see Akurdet)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Ak'irdat (see Akurdet)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Ak'ordat (see Akurdet)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m

Akurdet (see also: Agordat, Ak' Wirdet, Ak'irdat, Ak'ordat, Figordat)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Figordat (see Akurdet)	Eritrea		15° 32' 55" N 37° 53' 12" E	637 m
Luyengo	Swaziland		26° 32' 00" S 31° 14' 00" E	638 m
Nabwalia Village (see Nabwalya)	Zambia		12° 24' 00" S 31° 59' 00" E	638 m
Nabwalya (see also: Nabwalia Village)	Zambia		12° 24' 00" S 31° 59' 00" E	638 m
Trichardstal (see Trichardtsdal)	South Africa		24° 10' 00" S 30° 24' 00" E	638 m
Trichardtsdal (see also: Trichardstal)	South Africa		24° 10' 00" S 30° 24' 00" E	638 m
Logirim, 30 mi [=48 km] ENE Torit (see also: Torit, 30 mi [=48 km] ENE)	South Sudan		4° 42' 58" N 33° 14' 33" E	639 m
Malen I (see also: Malene I village)	Cameroon		3° 21' 00" N 12° 53' 00" E	639 m
Malene I village (see Malen I)	Cameroon		3° 21' 00" N 12° 53' 00" E	639 m
Torit, 30 mi [=48 km] ENE (see Logirim)	South Sudan		4° 42' 58" N 33° 14' 33" E	639 m
Déoulé	Côte d'Ivoire		7° 30' 23" N 7° 30' 19" W	640 m
Dalami (see Dallami)	Sudan		11° 51' 53" N 30° 28' 25" E	641 m
Dallami (see also: Dalami, Delami)	Sudan		11° 51' 53" N 30° 28' 25" E	641 m
Delami (see Dallami)	Sudan		11° 51' 53" N 30° 28' 25" E	641 m
Poko, on Bomokandi river	Congo (Democratic Republic of the)		3° 09' 00" N 26° 53' 00" E	641 m
Nemeyong (see Néméyong I)	Cameroon		3° 19' 00" N 12° 55' 00" E	642 m
Néméyong I (see also: Nemeyong)	Cameroon		3° 19' 00" N 12° 55' 00" E	642 m
Mlange (see Mulanje), District HQ	Malawi		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje (see Mulanje), District HQ	Malawi		16° 02' 00" S 35° 30' 00" E	644 m
Mlanje Boima (see Mulanje), District HQ	Malawi		16° 02' 00" S 35° 30' 00" E	644 m
Mulanje, District HQ (see also: Mlange, Mlanje, Mlanje Boima)	Malawi		16° 02' 00" S 35° 30' 00" E	644 m
Niangara	Congo (Democratic Republic of the)		3° 42' 00" N 27° 52' 00" E	644 m
Adda Doueni (see Adda-Douéni)	Comoro Islands		12° 17' 33" S 44° 29' 50" E	645 m
Adda-Douéni (see also: Adda Doueni)	Comoro Islands		12° 17' 33" S 44° 29' 50" E	645 m
Katende chute (see Katende falls), 30 km Luluabourg [=Kananga]	Congo (Democratic Republic of the)		5° 46' 00" S 21° 40' 00" E	647 m
Katende falls, 30 km Luluabourg [=Kananga] (see also: Katende chute, Katende waterval)	Congo (Democratic Republic of the)		5° 46' 00" S 21° 40' 00" E	647 m
Katende waterval (see Katende falls), 30 km Luluabourg [=Kananga]	Congo (Democratic Republic of the)		5° 46' 00" S 21° 40' 00" E	647 m
Table Farm cave, NW Grahamstown	South Africa		33° 17' 00" S 26° 25' 00" E	648 m
Kitangua	Congo (Democratic Republic of the)		6° 17' 00" S 20° 20' 00" E	649 m
Ambatobe, W slope mount, 1.2 km ENE Ampatramary, 9.5 km NE Midongy su Sud (see also: Ampatramary, 1.2 km ENE and Midongy su Sud, 9.5 km NE)	Madagascar		23° 30' 01" S 47° 03' 00" E	650 m
Ampatramary, 1.2 km ENE and Midongy su Sud, 9.5 km NE (see Ambatobe, W slope mount)	Madagascar		23° 30' 01" S 47° 03' 00" E	650 m
Gelego	Ethiopia		12° 14' 00" N 35° 53' 00" E	650 m
Mulanje Mountain Conservation Trust (MMCT) office, base of moutain	Malawi	ca.	15° 55' 00" S 35° 40' 00" E	650 m
Ngeze Kidoko	Congo (Democratic Republic of the)		1° 16' 00" N 30° 25' 00" E	650 m
Tadoro, Mesakin Qisar	Sudan		10° 41' 26" N 30° 01' 13" E	650 m
Zega (see Zeya)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 44' 00" E	650 m
Zeya (see also: Zega)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 44' 00" E	650 m
Yambio, Wildlife officer compound	South Sudan		4° 34' 15" N 28° 23' 55" E	652 m
Mawambi	Congo (Democratic Republic of the)		1° 04' 00" N 28° 34' 00" E	653 m
Riemvasmaak, 47 km NW Kakamas	South Africa		28° 27' 00" S 20° 18' 00" E	653 m
Akenge (see Akengei)	Congo (Democratic Republic of the)		2° 56' 00" N 26° 50' 00" E	654 m
Akengei (see also: Akenge)	Congo (Democratic Republic of the)		2° 56' 00" N 26° 50' 00" E	654 m
Kabuyta (see Kapoeta)	South Sudan		4° 46' 18" N 33° 35' 25" E	654 m
Kapoeta (see also: Kabuyta)	South Sudan		4° 46' 18" N 33° 35' 25" E	654 m
Manovo	Central African Republic		8° 07' 00" N 21° 07' 00" E	654 m
Hlatikulu Forest Reserve	South Africa		27° 19' 25" S 31° 59' 21" E	658 m

Olounou	Cameroon		2° 49' 00" N 12° 08' 00" E	658 m
Farm Gleniffer, near Kei Road (see also: Gleniffer, Farm)	South Africa		32° 42' 42" S 27° 34' 55" E	660 m
Gleniffer, Farm (see Farm Gleniffer)	South Africa		32° 42' 42" S 27° 34' 55" E	660 m
Namaku Boma, Nzare Payam	South Sudan		4° 40' 47" N 28° 13' 16" E	661 m
Khayalami Bay	South Africa	ca.	29° 25' 34" S 30° 23' 39" E	663 m
Ulanga	Tanzania		7° 18' 00" S 36° 56' 00" E	663 m
Manono (see also: Manono Katanga)	Congo (Democratic Republic of the)		7° 18' 00" S 27° 25' 00" E	664 m
Manono Katanga (see Manono)	Congo (Democratic Republic of the)		7° 18' 00" S 27° 25' 00" E	664 m
Tirangole, 20 mi [=32 km] E Torit (see also: Torit, 20 mi [=32 km] E)	South Sudan		4° 28' 41" N 32° 49' 12" E	664 m
Torit, 20 mi [=32 km] E (see Tirangole)	South Sudan		4° 28' 41" N 32° 49' 12" E	664 m
Virginia Farm, W of Boston	South Africa		29° 40' 00" S 29° 57' 00" E	664 m
Rosecraft	Swaziland		26° 38' 00" S 31° 17' 00" E	667 m
Dungu	Congo (Democratic Republic of the)		3° 37' 00" N 28° 34' 00" E	669 m
Lubutu	Congo (Democratic Republic of the)		0° 44' 00" S 26° 35' 00" E	669 m
Yambio, FFI complext (see Yambio, Flora & Fauna International complex)	South Sudan		4° 34' 41" N 28° 22' 58" E	669 m
Yambio, Flora & Fauna International complex (see also: Yambio, FFI complext)	South Sudan		4° 34' 41" N 28° 22' 58" E	669 m
Klein-Letaba	South Africa		23° 08' 00" S 30° 27' 00" E	670 m
Li Rangu	South Sudan		4° 43' 46" N 28° 21' 33" E	670 m
Panga Milembeni, near village of Dimadjou	Comoro Islands		11° 27' 22" S 43° 22' 32" E	670 m
Pietermaritzburg University Campus	South Africa		29° 36' 00" S 30° 23' 00" E	670 m
Tata (see also: Tatta)	Morocco		29° 45' 00" N 7° 59' 00" W	670 m
Tatta (see Tata)	Morocco		29° 45' 00" N 7° 59' 00" W	670 m
Tshimhaka, Cunene river	Namibia		17° 20' 00" S 13° 50' 00" E	670 m
Kasenye (see also: Kasenyi, Keseny, Kisenyi)	Congo (Democratic Republic of the)		1° 24' 00" N 30° 26' 00" E	671 m
Kasenyi (see Kasenye)	Congo (Democratic Republic of the)		1° 24' 00" N 30° 26' 00" E	671 m
Keseny (see Kasenye)	Congo (Democratic Republic of the)		1° 24' 00" N 30° 26' 00" E	671 m
Kisenyi (see Kasenye)	Congo (Democratic Republic of the)		1° 24' 00" N 30° 26' 00" E	671 m
Muhulu	Congo (Democratic Republic of the)		1° 03' 00" S 27° 17' 00" E	671 m
Sanaquelli (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sangbui (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Saniquellie (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanniguellie (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanniquellie (see also: Sanaquelli, Sangbui, Saniquellie, Sanniguellie, Sanokole, Sanokwele, Sanokwelle, Sanoquelli, Sanquilly, Senbui)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanokole (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanokwele (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanokwelle (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanoquelli (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Sanquilly (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Senbui (see Sanniquellie)	Liberia		7° 21' 44" N 8° 42' 22" W	671 m
Zaria, Samaru stream	Nigeria		11° 04' 00" N 7° 42' 00" E	671 m
Bangangai Game Reserve, location 2	South Sudan		4° 54' 06" N 27° 42' 35" E	673 m
Barberton, 10.4 km NNE (see Chambaire Nursery)	South Africa		25° 42' 11" S 30° 58' 39" E	675 m
Camp Putnam (see also: Putnam, camp)	Congo (Democratic Republic of the)		1° 24' 00" N 28° 35' 00" E	675 m
Chambaire Nursery, 10.4 km NNE Barberton (see also: Barberton, 10.4 km NNE)	South Africa		25° 42' 11" S 30° 58' 39" E	675 m
Farm 154 (Scholtze Kloof) (see Farm Scholtze Kloof 154)	South Africa		33° 15' 36" S 21° 59' 47" E	675 m
Farm Scholtze Kloof 154, 3.7 km S, 3.2 km W Prince Albert (see also: Farm 154 (Scholtze Kloof), Prince Albert, 3.7 km S, 3.2 km W, Scholtze Kloof, Farm 154)	South Africa		33° 15' 36" S 21° 59' 47" E	675 m
Graaff-Reinet Nature Conservatory, 3.0 km E Graaff-Reinet (see also: Graaff-Reinet, 3.0 km E)	South Africa		32° 15' 00" S 24° 34' 00" E	675 m
Graaff-Reinet, 3.0 km E (see Graaff-Reinet Nature Conservatory)	South Africa		32° 15' 00" S 24° 34' 00" E	675 m
Lobira	South Sudan		4° 24' 21" N 33° 03' 23" E	675 m

Prince Albert, 3.7 km S, 3.2 km W (see Farm Scholtze Kloof 154)	South Africa	33° 15' 36" S 21° 59' 47" E	675 m
Putnam, camp (see Camp Putnam)	Congo (Democratic Republic of the)	1° 24' 00" N 28° 35' 00" E	675 m
Scholtze Kloof, Farm 154 (see Farm Scholtze Kloof 154)	South Africa	33° 15' 36" S 21° 59' 47" E	675 m
Kombé-Tiko (see also: Kombetiko, Konbé tiko)	Cameroon	4° 40' 00" N 14° 35' 00" E	676 m
Kombetiko (see Kombé-Tiko)	Cameroon	4° 40' 00" N 14° 35' 00" E	676 m
Konbé tiko (see Kombé-Tiko)	Cameroon	4° 40' 00" N 14° 35' 00" E	676 m
Nelspruit	South Africa	25° 28' 00" S 30° 58' 00" E	676 m
Amedjofe (see Amedzofe)	Ghana	6° 51' 00" N 0° 26' 00" E	677 m
Amedschovhe (see Amedzofe)	Ghana	6° 51' 00" N 0° 26' 00" E	677 m
Amedschowe (see Amedzofe)	Ghana	6° 51' 00" N 0° 26' 00" E	677 m
Amedzofe (see also: Amedjofe, Amedschovhe, Amedschowe, Amedzope, Ameiope, Amejove)	Ghana	6° 51' 00" N 0° 26' 00" E	677 m
Amedzope (see Amedzofe)	Ghana	6° 51' 00" N 0° 26' 00" E	677 m
Ameiope (see Amedzofe)	Ghana	6° 51' 00" N 0° 26' 00" E	677 m
Amejove (see Amedzofe)	Ghana	6° 51' 00" N 0° 26' 00" E	677 m
UNISWA, Kwaluseni Campus	Swaziland	26° 28' 46" S 31° 18' 25" E	677 m
Mayumbe	Congo (Democratic Republic of the)	2° 30' 00" N 27° 37' 00" E	678 m
Ntondwe (see Thondwe)	Malawi	15° 30' 00" S 35° 27' 00" E	678 m
Ntondwe Market (see Thondwe)	Malawi	15° 30' 00" S 35° 27' 00" E	678 m
Thondwe (see also: Ntondwe, Ntondwe Market)	Malawi	15° 30' 00" S 35° 27' 00" E	678 m
Mahagi Port, Lake Albert (see also: Mahaji Port)	Congo (Democratic Republic of the)	2° 09' 00" N 31° 14' 00" E	679 m
Mahaji Port (see Mahagi Port), Lake Albert	Congo (Democratic Republic of the)	2° 09' 00" N 31° 14' 00" E	679 m
Dimako	Cameroon	4° 23' 00" N 13° 35' 00" E	680 m
Kei Road	South Africa	32° 42' 20" S 27° 32' 50" E	680 m
Bukamba (see Ngoumé)	Cameroon	5° 29' 00" N 11° 24' 00" E	681 m
Ngome's (see Ngoumé)	Cameroon	5° 29' 00" N 11° 24' 00" E	681 m
Ngoumé (see also: Bukamba, Ngome's)	Cameroon	5° 29' 00" N 11° 24' 00" E	681 m
Dembelenge (see Dimbelenge)	Congo (Democratic Republic of the)	5° 33' 00" S 23° 07' 00" E	682 m
Dimbelenge (see also: Dembelenge)	Congo (Democratic Republic of the)	5° 33' 00" S 23° 07' 00" E	682 m
Mganduli (see Mqanduli)	South Africa	31° 49' 00" S 28° 45' 00" E	682 m
Moanduli (see Mqanduli)	South Africa	31° 49' 00" S 28° 45' 00" E	682 m
Mqanduli (see also: Mganduli, Moanduli)	South Africa	31° 49' 00" S 28° 45' 00" E	682 m
Ain Oussera (see also: El Oussera, Paul Cazelles)	Algeria	35° 27' 05" N 2° 54' 21" E	683 m
El Oussera (see Ain Oussera)	Algeria	35° 27' 05" N 2° 54' 21" E	683 m
Mwanya	Zambia	12° 43' 00" S 32° 15' 00" E	683 m
Paul Cazelles (see Ain Oussera)	Algeria	35° 27' 05" N 2° 54' 21" E	683 m
Gallabat (see Metema)	Ethiopia	12° 58' 00" N 36° 12' 00" E	684 m
Matama (see Metema)	Ethiopia	12° 58' 00" N 36° 12' 00" E	684 m
Metema (see also: Gallabat, Matama, Metemma)	Ethiopia	12° 58' 00" N 36° 12' 00" E	684 m
Metemma (see Metema)	Ethiopia	12° 58' 00" N 36° 12' 00" E	684 m
Bangangai Game Reserve, location 4	South Sudan	4° 53' 43" N 27° 42' 44" E	685 m
Bedford, 2.2 km N, 9.5 km E (see Cullendale)	South Africa	32° 39' 00" S 26° 11' 00" E	685 m
Cullendale, 2.2 km N, 9.5 km E Bedford (see also: Bedford, 2.2 km N, 9.5 km E, Mount Pleasant, Pleasant, mount)	South Africa	32° 39' 00" S 26° 11' 00" E	685 m
Dumisa gold mine, 1 km E Dumisa railway station (see also: Dumisa Mine, Dumisa railway station, 1 km E, Umzinto, 5 km N, 22 km W)	South Africa	30° 16' 05" S 30° 26' 29" E	685 m
Dumisa Mine (see Dumisa gold mine), 5 km N, 22 km W Umzinto	South Africa	30° 16' 05" S 30° 26' 29" E	685 m
Dumisa railway station, 1 km E (see Dumisa gold mine), Ixopo	South Africa	30° 16' 05" S 30° 26' 29" E	685 m
Mount Pleasant (see Cullendale)	South Africa	32° 39' 00" S 26° 11' 00" E	685 m
Pleasant, mount (see Cullendale)	South Africa	32° 39' 00" S 26° 11' 00" E	685 m
Umtata City	South Africa	31° 35' 18" S 28° 47' 10" E	685 m
Umzinto, 5 km N, 22 km W (see Dumisa gold mine)	South Africa	30° 16' 05" S 30° 26' 29" E	685 m
Ad Dalanj (see Dilling)	Sudan	12° 03' 00" N 29° 39' 00" E	687 m
Dambi (see Ibambi)	Congo (Democratic Republic of the)	2° 22' 00" N 27° 37' 00" E	687 m
Ibambi (see also: Dambi, Idambi)	Congo (Democratic Republic of the)	2° 22' 00" N 27° 37' 00" E	687 m

Idambi (see Ibambi)	Congo (Democratic Republic of the)		2° 22' 00" N 27° 37' 00" E	687 m
Eston	South Africa		29° 52' 14" S 30° 30' 24" E	688 m
Kibanda	Congo (Democratic Republic of the)		3° 20' 00" S 27° 12' 00" E	688 m
Dika	Congo (Democratic Republic of the)		4° 22' 00" N 27° 40' 00" E	689 m
Mlima, near (see Patsi, Mlima (hill), near), 2.1 km SE Patsi	Comoro Islands		12° 11' 10" S 44° 29' 00" E	690 m
Patsi, 2.1 km SE (see Patsi, Mlima (hill), near)	Comoro Islands		12° 11' 10" S 44° 29' 00" E	690 m
Patsi, Mlima (hill), near, 2.1 km SE Patsi (see also: Mlima, near, Patsi, 2.1 km SE, Patsy, 2.1 km SE, Wilson, 2.1 km SE)	Comoro Islands		12° 11' 10" S 44° 29' 00" E	690 m
Patsy, 2.1 km SE (see Patsi, Mlima (hill), near)	Comoro Islands		12° 11' 10" S 44° 29' 00" E	690 m
Wilson, 2.1 km SE (see Patsi, Mlima (hill), near)	Comoro Islands		12° 11' 10" S 44° 29' 00" E	690 m
Bangangai Game Reserve, location 5	South Sudan		4° 54' 02" N 27° 41' 58" E	691 m
Baibokoum, 25 km SE (see Dagbao)	Chad		7° 39' 03" N 15° 53' 07" E	692 m
Dagbao, 25 km SE Baibokoum (see also: Baibokoum, 25 km SE)	Chad		7° 39' 03" N 15° 53' 07" E	692 m
Clanwilliam, 12 km ENE (see Pakhuis Pass, Kliphuis camp site)	South Africa		32° 08' 10" S 19° 00' 10" E	693 m
Funda Biabo (see also: Funda Biako)	Congo (Democratic Republic of the)		9° 50' 00" S 25° 33' 00" E	693 m
Funda Biako (see Funda Biabo)	Congo (Democratic Republic of the)		9° 50' 00" S 25° 33' 00" E	693 m
Pakhuis Pass, Kliphuis camp site, 12 km ENE Clanwilliam (see also: Clanwilliam, 12 km ENE)	South Africa		32° 08' 10" S 19° 00' 10" E	693 m
Bangangai Game Reserve, location 7, Andari Payam	South Sudan		4° 52' 28" N 27° 40' 53" E	694 m
Ebam, 15 km SE	Cameroon		3° 46' 00" N 12° 57' 00" E	694 m
Bisley, near Pietermaritzburg	South Africa		29° 42' 00" S 30° 19' 00" E	695 m
Pawa, about 30 mi ENE Medje (see also: Medje, about 30 mi [=48 km] ENE)	Congo (Democratic Republic of the)		2° 31' 36" N 27° 42' 10" E	696 m
New Germany	South Africa		29° 46' 57" S 30° 52' 20" E	697 m
Yakubuku (see Yakuluku)	Congo (Democratic Republic of the)		4° 20' 00" N 28° 48' 00" E	697 m
Yakuluku (see also: Yakubuku)	Congo (Democratic Republic of the)		4° 20' 00" N 28° 48' 00" E	697 m
Bangangai Game Reserve, base camp	South Sudan		4° 54' 28" N 27° 42' 13" E	698 m
Bangangai Game Reserve, location 1	South Sudan		4° 54' 20" N 27° 42' 19" E	698 m
Dzogbégan	Togo		7° 14' 00" N 0° 41' 00" E	698 m
Maridi (see also: Maridi, Meridi, Merridi)	South Sudan		4° 54' 53" N 29° 28' 37" E	698 m
Maridi (see Maridi)	South Sudan		4° 54' 53" N 29° 28' 37" E	698 m
Meridi (see Maridi)	South Sudan		4° 54' 53" N 29° 28' 37" E	698 m
Merridi (see Maridi)	South Sudan		4° 54' 53" N 29° 28' 37" E	698 m
Samedou (see Samédougou)	Guinea		9° 00' 00" N 8° 54' 00" W	698 m
Samédougou (see also: Samedou)	Guinea		9° 00' 00" N 8° 54' 00" W	698 m
Abatupi river (see also: Amatupi river)	Congo (Democratic Republic of the)		0° 45' 00" N 29° 49' 00" E	700 m
Amangundu	Congo (Democratic Republic of the)		0° 45' 00" N 29° 48' 00" E	700 m
Amatupi river (see Abatupi river)	Congo (Democratic Republic of the)		0° 45' 00" N 29° 49' 00" E	700 m
El Goléa (see also: El Golea)	Algeria		36° 13' 10" N 2° 46' 21" E	700 m
El Golea (see El Goléa)	Algeria		36° 13' 10" N 2° 46' 21" E	700 m
Farm Mitford Park, 5 km W Riebeek-Oos (see also: Mitford Park, Farm, Riebeek-Oos, 5 km W)	South Africa		33° 12' 00" S 26° 06' 00" E	700 m
Fazenda Bumbo	Angola	ca.	15° 12' 00" S 13° 00' 00" E	ca. 700 m
Juba, 400 mi [=640 km] W	South Sudan			700 m
Kaswabilenga	Congo (Democratic Republic of the)		8° 48' 00" S 26° 41' 00" E	700 m
Liwonde Forest Reserve (see also: Liwonde National Park)	Malawi		14° 52' 00" S 35° 21' 00" E	700 m
Liwonde National Park (see Liwonde Forest Reserve)	Malawi		14° 52' 00" S 35° 21' 00" E	700 m
Mitford Park, Farm (see Farm Mitford Park)	South Africa		33° 12' 00" S 26° 06' 00" E	700 m
Okola	Cameroon		4° 01' 00" N 11° 23' 00" E	700 m
Ranohira, 7.8 - 8 km N, just outside Parc National d'Isalo, along Menamaty River, on RN7	Madagascar		22° 29' 08" S 45° 23' 30" E	700 m
Riebeek-Oos, 5 km W (see Farm Mitford Park)	South Africa		33° 12' 00" S 26° 06' 00" E	700 m
Sabe	Congo (Democratic Republic of the)		1° 23' 00" N 30° 26' 00" E	700 m

701 - 800 m:

Gangala (see Gangala-na-Bodio)	Congo (Democratic Republic of the)	3° 41' 00" N 29° 08' 00" E	701 m
Gangala na Bodio (see Gangala-na-Bodio)	Congo (Democratic Republic of the)	3° 41' 00" N 29° 08' 00" E	701 m
Gangala-na-Bodio (see also: Gangala, Gangala na Bodio, Gangara, Gangara na Bodio)	Congo (Democratic Republic of the)	3° 41' 00" N 29° 08' 00" E	701 m
Gangara (see Gangala-na-Bodio)	Congo (Democratic Republic of the)	3° 41' 00" N 29° 08' 00" E	701 m
Gangara na Bodio (see Gangala-na-Bodio)	Congo (Democratic Republic of the)	3° 41' 00" N 29° 08' 00" E	701 m
Kerripi, 30 mi N Nimule (see also: Nimule, 30 mi [=48 km] N)	South Sudan	3° 55' 00" N 31° 55' 00" E	701 m
Walikale	Congo (Democratic Republic of the)	1° 24' 56" S 28° 03' 26" E	703 m
Rungu	Congo (Democratic Republic of the)	3° 11' 00" N 27° 52' 00" E	704 m
Kasane	Botswana	17° 49' 00" S 25° 08' 00" E	708 m
Beaumont	South Africa	29° 52' 42" S 30° 33' 29" E	710 m
Jumbe	Zambia	13° 17' 00" S 32° 05' 00" E	710 m
Nzara West (see West Nzara)	South Sudan	4° 38' 00" N 28° 15' 00" E	710 m
West Nzara (see also: Nzara West)	South Sudan	4° 38' 00" N 28° 15' 00" E	710 m
Nkoetyé, 20 km ESE Ebolowa (see also: Ebolowa, 20 km ESE)	Cameroon	2° 52' 00" N 11° 19' 00" E	714 m
Chimpini Farm (see Mpyupyu Prison Farm)	Malawi	15° 22' 00" S 35° 27' 00" E	717 m
Montrose	South Africa	29° 34' 30" S 30° 21' 08" E	717 m
Mpyupyu Prison Farm, 12 km E Zomba (see also: Chimpini Farm)	Malawi	15° 22' 00" S 35° 27' 00" E	717 m
New Hanover school	South Africa	29° 21' 00" S 30° 32' 00" E	717 m
Graaf Reinet (see Graaff-Reinet)	South Africa	32° 13' 48" S 24° 33' 00" E	718 m
Graaff-Reinet (see also: Graaf Reinet)	South Africa	32° 13' 48" S 24° 33' 00" E	718 m
Bangangai Game Reserve, location 6, Andari Payam	South Sudan	4° 52' 39" N 27° 40' 33" E	719 m
Djaposten	Cameroon	3° 25' 00" N 13° 32' 00" E	719 m
Bosum (see Bozoum)	Central African Republic	6° 19' 00" N 16° 23' 00" E	721 m
Bozoum (see also: Bosum, Bozum)	Central African Republic	6° 19' 00" N 16° 23' 00" E	721 m
Bozum (see Bozoum)	Central African Republic	6° 19' 00" N 16° 23' 00" E	721 m
Mopane (see also: Mopani)	South Africa	22° 36' 00" S 29° 51' 00" E	721 m
Mopani (see Mopane)	South Africa	22° 36' 00" S 29° 51' 00" E	721 m
Kasungula (see Kazungula)	Zambia	17° 47' 00" S 25° 16' 00" E	722 m
Kasungulu (see Kazungula)	Zambia	17° 47' 00" S 25° 16' 00" E	722 m
Kazungula (see also: Kasungula, Kasungulu)	Zambia	17° 47' 00" S 25° 16' 00" E	722 m
Kwaluseni	Swaziland	26° 29' 00" S 31° 20' 00" E	723 m
Al Qallabat (see Qallabat)	Sudan	12° 58' 00" N 36° 09' 00" E	725 m
Qallabat (see also: Al Qallabat, Gallabat)	Sudan	12° 58' 00" N 36° 09' 00" E	725 m
Dundo (see also: Dundo Lundo, Dundu)	Angola	7° 22' 00" S 20° 50' 00" E	726 m
Dundo Lundo (see Dundo)	Angola	7° 22' 00" S 20° 50' 00" E	726 m
Dundu (see Dundo)	Angola	7° 22' 00" S 20° 50' 00" E	726 m
Jaúnde (see Yaoundé)	Cameroon	3° 52' 00" N 11° 31' 00" E	726 m
Yaoundé (see also: Jaúnde, Yaounde)	Cameroon	3° 52' 00" N 11° 31' 00" E	726 m
King William's Town, 16 km NW (see Pirie Mission)	South Africa	32° 47' 00" S 27° 13' 00" E	728 m
Pirie Mission, 16 km NW King Williams Town (see also: King William's Town, 16 km NW)	South Africa	32° 47' 00" S 27° 13' 00" E	728 m
Schiare (see Shiare)	Ghana	8° 18' 00" N 0° 36' 00" E	728 m
Shiare (see also: Schiare, Siade)	Ghana	8° 18' 00" N 0° 36' 00" E	728 m
Siade (see Shiare)	Ghana	8° 18' 00" N 0° 36' 00" E	728 m
Bangangai forest, 50 mi WNW Yambio (see also: Yambio, 50 mi [=80 km] WNW)	South Sudan	4° 51' 00" N 27° 45' 00" E	730 m
Isirio (see Isiro)	Congo (Democratic Republic of the)	2° 46' 00" N 27° 37' 00" E	730 m
Isiro (see also: Isirio, Paulis)	Congo (Democratic Republic of the)	2° 46' 00" N 27° 37' 00" E	730 m

Paulis (see Isiro)	Congo (Democratic Republic of the)		2° 46' 00" N 27° 37' 00" E	730 m
Samaru	Nigeria		11° 10' 00" N 7° 38' 00" E	730 m
Yambio, 50 mi [=80 km] WNW (see Bangangai forest)	South Sudan		4° 51' 00" N 27° 45' 00" E	730 m
Kabengere	Congo (Democratic Republic of the)		9° 08' 00" S 26° 16' 00" E	732 m
Mtito Andei, 4 mi [=6.4 km] N	Kenya		2° 40' 59" S 38° 07' 59" E	732 m
Feriana (see also: Furriyanah)	Tunisia		34° 57' 00" N 8° 34' 00" E	733 m
Furriyanah (see Feriana)	Tunisia		34° 57' 00" N 8° 34' 00" E	733 m
Andreaba	Madagascar		22° 31' 00" S 46° 50' 00" E	734 m
Broughton	South Africa		29° 26' 00" S 30° 27' 00" E	737 m
Foko Confluence	Guinea		8° 29' 49" N 8° 54' 48" W	737 m
Mamou	Guinea		10° 23' 00" N 12° 05' 00" W	737 m
Small Sopo [forest] (see Small Soppo [forest]), 2 km S Buéa station	Cameroon		4° 08' 17" N 9° 14' 37" E	738 m
Small Soppo [forest], 2 km S Buéa station (see also: Buéa station, 2 km S, Small Sopo [forest])	Cameroon		4° 08' 17" N 9° 14' 37" E	738 m
Fort Yolland Farm (see Fort Yolland mission), W of Eshowe	South Africa		28° 50' 59" S 31° 13' 19" E	739 m
Kinole, N slope Uluguru mountains	Tanzania		6° 54' 00" S 37° 46' 00" E	739 m
Nkolbison (see Nkolbisson)	Cameroon		3° 53' 00" N 11° 27' 00" E	739 m
Nkolbisson (see also: Nkolbison)	Cameroon		3° 53' 00" N 11° 27' 00" E	739 m
Farm Rangerton (see also: Rangerton, Farm)	South Africa		32° 36' 44" S 27° 39' 50" E	740 m
Rangerton, Farm (see Farm Rangerton)	South Africa		32° 36' 44" S 27° 39' 50" E	740 m
Mountainland Nature Reserve, Umjindi municipality, Barberton, 68 km SE Sudwala	South Africa		25° 45' 14" S 31° 06' 51" E	741 m
Bagbele (see also: Cel I, Cellule I)	Congo (Democratic Republic of the)		4° 21' 00" N 29° 17' 00" E	742 m
Bagbele Moko	Congo (Democratic Republic of the)		4° 21' 00" N 29° 17' 00" E	742 m
Birthday Goldmine (see Tzaneen), Tzaneen	South Africa		23° 50' 00" S 30° 10' 00" E	742 m
Cel I (see Bagbele)	Congo (Democratic Republic of the)		4° 21' 00" N 29° 17' 00" E	742 m
Cellule I (see Bagbele)	Congo (Democratic Republic of the)		4° 21' 00" N 29° 17' 00" E	742 m
Fort Yellond Farm (see Fort Yolland mission)	South Africa		28° 50' 59" S 31° 13' 19" E	742 m
Fort Yolland mission, W of Eshowe (see also: Fort Yellond Farm, Fort Yolland Farm)	South Africa		28° 50' 59" S 31° 13' 19" E	742 m
Tzaneen (see also: Birthday Goldmine)	South Africa		23° 50' 00" S 30° 10' 00" E	742 m
Zouar	Chad		20° 27' 30" N 16° 31' 40" E	742 m
Ambohitra (see also: Joffreville)	Madagascar		12° 29' 00" S 49° 12' 00" E	743 m
Joffreville (see Ambohitra)	Madagascar		12° 29' 00" S 49° 12' 00" E	743 m
Béchar (see also: Colomb Béchar)	Algeria		31° 37' 00" N 2° 13' 00" W	747 m
Bechar, 8 km NE	Algeria		31° 36' 00" N 2° 09' 00" W	ca. 747 m
Colomb Béchar (see Béchar)	Algeria		31° 37' 00" N 2° 13' 00" W	747 m
Sibasa	South Africa		22° 57' 00" S 30° 28' 00" E	748 m
Tibati air strip	Cameroon		6° 28' 00" N 12° 38' 00" E	748 m
Canga-Moribadou Road, 2nd bridge on	Guinea		8° 35' 36" N 8° 51' 26" W	ca. 750 m
Chimpeni Estate (see Chipeni Farm), Old Farmhouse	Malawi		15° 24' 00" S 35° 25' 00" E	750 m
Chipeni Farm (see also: Chimpeni Estate)	Malawi		15° 24' 00" S 35° 25' 00" E	750 m
Epulu	Congo (Democratic Republic of the)		1° 23' 45" N 28° 34' 40" E	750 m
Epulu, 13 km E	Congo (Democratic Republic of the)	ca.	1° 24' 00" N 28° 35' 00" E	750 m
Epulu, 2 km W, Epulu river, right bank	Congo (Democratic Republic of the)	ca.	1° 23' 45" N 28° 34' 40" E	750 m
Epulu, 6 km S, 2 km W	Congo (Democratic Republic of the)	ca.	1° 23' 45" N 28° 34' 40" E	750 m
Farm 326 (Vygeboom) (see Farm Vygeboom 326)	South Africa		33° 16' 08" S 25° 40' 31" E	750 m
Farm Vygeboom 326, 18.8 km N, 27.2 km W Paterson (see also: Farm 326 (Vygeboom), Paterson, 18.8 km N, 27.2 km W, Vygeboom, Farm 326)	South Africa		33° 16' 08" S 25° 40' 31" E	750 m
Ilimba	Congo (Democratic Republic of the)		0° 50' 00" N 29° 58' 00" E	750 m
Kaputir	Kenya		2° 05' 00" N 35° 29' 00" E	750 m
Laghouat, oasis	Algeria		33° 49' 00" N 2° 55' 00" E	750 m
Makayova river	Congo (Democratic Republic of the)		0° 43' 00" N 29° 43' 00" E	750 m

Makayova river, lower	Congo (Democratic Republic of the)		0° 43' 00" N 29° 43' 00" E	750 m
Mount Cameroon, south side	Cameroon	ca.	4° 03' 00" N 9° 05' 00" E	750 m
Paterson, 18.8 km N, 27.2 km W (see Farm Vygeboom 326)	South Africa		33° 16' 08" S 25° 40' 31" E	750 m
Samokitok, Masol area	Kenya	ca.	1° 39' 34" N 35° 40' 34" E	750 m
Sigoor Camp (see Sigor)	Kenya		1° 29' 00" N 35° 28' 00" E	750 m
Sigor (see also: Sigoor Camp)	Kenya		1° 29' 00" N 35° 28' 00" E	750 m
Sir	Cameroon		10° 33' 00" N 13° 41' 00" E	750 m
Vygeboom, Farm 326 (see Farm Vygeboom 326)	South Africa		33° 16' 08" S 25° 40' 31" E	750 m
Mvé II, 60 km W Yaoundé, on Ayos road	Cameroon		3° 54' 00" N 11° 43' 00" E	752 m
Kawa (forest)	Congo (Democratic Republic of the)		1° 34' 00" N 30° 32' 00" E	753 m
Mbarangandu, Liwale	Tanzania		10° 12' 00" S 36° 48' 00" E	753 m
Nagera (see Nagero)	Congo (Democratic Republic of the)		3° 45' 00" N 29° 31' 00" E	753 m
Nagero (see also: Nagera)	Congo (Democratic Republic of the)		3° 45' 00" N 29° 31' 00" E	753 m
Ziggida, 13 km N, 1 km E (see Zigida, 13 km N, 1 km E)	Liberia	ca.	8° 09' 10" N 9° 28' 52" W	759 m
Zigida, 13 km N, 1 km E (see also: Ziggida, 13 km N, 1 km E)	Liberia	ca.	8° 09' 10" N 9° 28' 52" W	759 m
Ashburton House (see Ashburton, Farm), Pietermaritzburg	South Africa		29° 38' 00" S 30° 28' 00" E	760 m
Ashburton, Farm, 6 km S, 8 km E Pietermaritzburg (see also: Ashburton House, Farm Ashburton, Pietermaritzburg, 6 km S, 8 km E)	South Africa		29° 40' 00" S 30° 28' 00" E	760 m
Farm Ashburton (see Ashburton, Farm), Pietermaritzburg	South Africa		29° 38' 00" S 30° 28' 00" E	760 m
Farm Vleiplaas, 2.8 km N, 3.8 km E Uniondale (see also: Uniondale, 2.8 km N, 3.8 km E, Vleiplaas, Farm)	South Africa		33° 37' 49" S 23° 10' 04" E	760 m
Foum Zguid	Morocco		30° 05' 24" N 6° 52' 30" W	760 m
Gallabat (see Qallabat)	Sudan		12° 58' 00" N 36° 09' 00" E	760 m
Likabula (see Likabula Tea Factory)	Malawi		15° 58' 00" S 35° 29' 00" E	760 m
Likabula Tea Factory (see also: Likabula, Likhubula Camp)	Malawi		15° 58' 00" S 35° 29' 00" E	760 m
Likhubula Camp (see Likabula Tea Factory)	Malawi		15° 58' 00" S 35° 29' 00" E	760 m
Mlawula Estates	Swaziland		26° 12' 00" S 32° 01' 00" E	760 m
Mlawula Nature Reserve, S of Siphiso, 10 km NE Simunye	Swaziland		26° 12' 00" S 32° 01' 00" E	760 m
Mlawula Nature Reserve, site 3	Swaziland		26° 12' 30" S 32° 00' 18" E	760 m
Mokolo	Cameroon		10° 44' 25" N 13° 48' 10" E	760 m
Pietermaritzburg, 6 km S, 8 km E (see Ashburton, Farm)	South Africa		29° 40' 00" S 30° 28' 00" E	760 m
Taveta, 3 km E	Kenya		3° 23' 00" S 37° 42' 00" E	760 m
Uniondale, 2.8 km N, 3.8 km E (see Farm Vleiplaas)	South Africa		33° 37' 49" S 23° 10' 04" E	760 m
Vleiplaas, Farm (see Farm Vleiplaas)	South Africa		33° 37' 49" S 23° 10' 04" E	760 m
Adjumani (see also: Ajumani)	Uganda		3° 21' 41" N 31° 48' 35" E	761 m
Ajumani (see Adjumani)	Uganda		3° 21' 41" N 31° 48' 35" E	761 m
Ototomo (see also: Ottotom, Ottotomo, Ottotumo)	Cameroon		3° 39' 00" N 11° 19' 00" E	761 m
Ottotom (see Ototomo)	Cameroon		3° 39' 00" N 11° 19' 00" E	761 m
Ottotomo (see Ototomo)	Cameroon		3° 39' 00" N 11° 19' 00" E	761 m
Ottotumo (see Ototomo)	Cameroon		3° 39' 00" N 11° 19' 00" E	761 m
Amaler (see also: Alamer)	Kenya		1° 38' 06" N 35° 46' 41" E	762 m
Balaghes valley (see also: Bellegas-Thal, Bellegaz valley, Tal des Belegaz, Tal des Belghe)	Ethiopia		12° 50' 00" N 38° 20' 00" E	762 m
Bartabwa, 15 mi [=24 km] NNE (see Kabarsera)	Kenya		0° 56' 15" N 35° 52' 00" E	762 m
Bellegas-Thal (see Balaghes valley)	Ethiopia		12° 50' 00" N 38° 20' 00" E	762 m
Buligi	Uganda		2° 16' 00" N 31° 23' 00" E	762 m
Bwainba (see Bwamba [county])	Uganda		0° 50' 00" N 30° 03' 00" E	762 m
Bwamba [county] (see also: Bwainba)	Uganda		0° 50' 00" N 30° 03' 00" E	762 m
Kabarsera, 15 mi NNE Bartabwa (see also: Bartabwa, 15 mi [=24 km] NNE)	Kenya		0° 56' 15" N 35° 52' 00" E	762 m
Kalosia (see also: Kalossia, Kolossia)	Kenya		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Kalossia (see Kalosia)	Kenya		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Kolossia (see Kalosia)	Kenya		1° 38' 47" N 35° 47' 30" E	ca. 762 m
Lake Magadi, 40 km W (see also: Magadi, 40 km W Lake)	Kenya	ca.	1° 45' 27" S 35° 48' 31" E	762 m
Magadi, 40 km W Lake (see Lake Magadi, 40 km W)	Kenya	ca.	1° 45' 27" S 35° 48' 31" E	762 m
Masol Location	Kenya		1° 39' 00" N 35° 42' 00" E	762 m
Mtito Andei, near	Kenya	ca.	2° 41' 00" S 38° 10' 00" E	762 m

Tal des Belegaz (see Balaghes valley)	Ethiopia		12° 50' 00" N 38° 20' 00" E	762 m
Tal des Belghe (see Balaghes valley)	Ethiopia		12° 50' 00" N 38° 20' 00" E	762 m
Toro, Ruwenzori	Uganda		0° 30' 00" N 30° 30' 00" E	762 m
Tsavo National Park	Kenya		3° 00' 00" S 38° 40' 00" E	762 m
Turkwell river	Kenya		1° 55' 00" N 35° 20' 00" E	762 m
Yaoundé, due S	Cameroon		3° 52' 00" N 11° 31' 00" E	762 m
Albertstad (see Kalemie)	Congo (Democratic Republic of the)		5° 56' 00" S 29° 12' 00" E	763 m
Albertville (see Kalemie)	Congo (Democratic Republic of the)		5° 56' 00" S 29° 12' 00" E	763 m
Baudhuinville (see Moba)	Congo (Democratic Republic of the)		7° 03' 00" S 29° 47' 00" E	763 m
Baudouinville (see Moba)	Congo (Democratic Republic of the)		7° 03' 00" S 29° 47' 00" E	763 m
Boudewijnstad (see Moba)	Congo (Democratic Republic of the)		7° 03' 00" S 29° 47' 00" E	763 m
Kalemi (see Kalemie)	Congo (Democratic Republic of the)		5° 56' 00" S 29° 12' 00" E	763 m
Kalemie (see also: Albertstad, Albertville, Kalemi)	Congo (Democratic Republic of the)		5° 56' 00" S 29° 12' 00" E	763 m
Moba (see also: Baudhuinville, Baudouinville, Boudewijnstad)	Congo (Democratic Republic of the)		7° 03' 00" S 29° 47' 00" E	763 m
Sumbu	Zambia		8° 31' 00" S 30° 29' 00" E	763 m
Moliro	Congo (Democratic Republic of the)		8° 13' 00" S 30° 34' 00" E	764 m
Teturi	Congo (Democratic Republic of the)		1° 04' 00" N 29° 08' 00" E	766 m
Apéyémé	Togo		7° 12' 00" N 0° 42' 00" E	768 m
Bismarckburg (see Kasanga)	Tanzania		8° 28' 00" S 31° 09' 00" E	769 m
Ilakaka, E of, 220 km NE Tuléar (see also: Toleara, 220 km NE, Tuléar, 220 km NE)	Madagascar		22° 41' 00" S 45° 13' 00" E	769 m
Kangapo Two Payam, Jalimo Boma, Juka stream	South Sudan		3° 43' 45" N 31° 34' 17" E	769 m
Kasanga (see also: Bismarckburg)	Tanzania		8° 28' 00" S 31° 09' 00" E	769 m
Mtito Andei (see also: Mutitu Andei)	Kenya		2° 41' 00" S 38° 10' 00" E	769 m
Mutitu Andei (see Mtito Andei)	Kenya		2° 41' 00" S 38° 10' 00" E	769 m
Toleara, 220 km NE (see Ilakaka, E of)	Madagascar		22° 41' 00" S 45° 13' 00" E	769 m
Tuléar, 220 km NE (see Ilakaka, E of)	Madagascar		22° 41' 00" S 45° 13' 00" E	769 m
Babanango, 10.5 km N, 14 km E (see Denny Dalton Mine)	South Africa		28° 17' 00" S 31° 14' 00" E	770 m
Denny Dalton Mine, 10.5 km N, 14 km E Babanango (see also: Babanango, 10.5 km N, 14 km E)	South Africa		28° 17' 00" S 31° 14' 00" E	770 m
Fort Gale Suburb, 0.5 km S, 2.5 km W Umtata (see also: Umtata, 0.5 km S, 2.5 km W)	South Africa		31° 35' 34" S 28° 45' 34" E	770 m
Fort George (see Katwe), lake Edward	Uganda		0° 08' 30" S 29° 49' 49" E	770 m
Umtata, 0.5 km S, 2.5 km W (see Fort Gale Suburb)	South Africa		31° 35' 34" S 28° 45' 34" E	770 m
Baraka	Congo (Democratic Republic of the)		4° 05' 27" S 29° 05' 15" E	772 m
Nyanza (see Nyanza-Lac)	Burundi		4° 20' 39" S 29° 35' 37" E	772 m
Nyanza-Lac (see also: Nyanza)	Burundi		4° 20' 39" S 29° 35' 37" E	772 m
Mpala	Congo (Democratic Republic of the)		6° 45' 00" S 29° 31' 00" E	774 m
Faradje, on Dungu R., on Congo-Nile highway, 241 km N Irumu (see also: Irumu, 241 km N)	Congo (Democratic Republic of the)		3° 44' 00" N 29° 43' 00" E	775 m
Irumu, 241 km N (see Faradje)	Congo (Democratic Republic of the)		3° 44' 00" N 29° 43' 00" E	775 m
Kigoma, near Lake Tanagyika	Tanzania		4° 52' 37" S 29° 37' 36" E	775 m
Ranohira	Madagascar	ca.	22° 30' 00" S 45° 24' 00" E	ca. 775 m
Abuja	Nigeria		9° 05' 00" N 7° 32' 00" E	777 m
Kathekani	Kenya		2° 37' 00" S 38° 09' 00" E	777 m
Gulube Station, Mpwapwa	Tanzania		6° 27' 00" S 36° 25' 00" E	780 m
Gulwe Station, Mpwapwa	Tanzania		6° 27' 00" S 36° 25' 00" E	780 m
Kangwena	Tanzania		6° 07' 54" S 29° 47' 38" E	780 m
Poli	Cameroon		8° 29' 00" N 13° 15' 00" E	780 m
Udidji (see Ujiji)	Tanzania		4° 54' 20" S 29° 40' 34" E	781 m
Ugoi (see Ujiji)	Tanzania		4° 54' 20" S 29° 40' 34" E	781 m
Ujiji (see also: Udidji, Ugoi, Ujyi)	Tanzania		4° 54' 20" S 29° 40' 34" E	781 m
Ujyi (see Ujiji)	Tanzania		4° 54' 20" S 29° 40' 34" E	781 m
Elim, Gazankulu (see also: Elim Hospital)	South Africa		23° 09' 00" S 30° 04' 00" E	784 m

Elim Hospital (see Elim), Gazankulu	South Africa	23° 09' 00" S 30° 04' 00" E	784 m
Kalilani village	Tanzania	6° 01' 03" S 29° 45' 08" E	785 m
Karema	Tanzania	6° 49' 00" S 30° 26' 00" E	785 m
Loa, 20 mi N Nimule (see also: Nimule, 20 mi [=32 km] N)	South Sudan	3° 48' 00" N 31° 57' 00" E	785 m
Nimule, 20 mi [=32 km] N (see Loa)	South Sudan	3° 48' 00" N 31° 57' 00" E	785 m
Barberton (see also: Umhlumna)	South Africa	25° 47' 00" S 31° 03' 00" E	786 m
Umhlumna (see Barberton)	South Africa	25° 47' 00" S 31° 03' 00" E	786 m
Awash Station, 12 mi [=19 km] N (see Melka Sede)	Ethiopia	9° 21' 00" N 40° 18' 00" E	787 m
Melka Sadi (see Melka Sede), 12 mi [=19 km] N Awash Station	Ethiopia	9° 21' 00" N 40° 18' 00" E	787 m
Melka Sede, 12 mi [=19 km] N Awash Station (see also: Awash Station, 12 mi [=19 km] N, Melka Sadi)	Ethiopia	9° 21' 00" N 40° 18' 00" E	787 m
Kabanga (see Kabenge)	Congo (Democratic Republic of the)	9° 01' 13" S 26° 44' 55" E	788 m
Kabenge (see also: Kabanga)	Congo (Democratic Republic of the)	9° 01' 13" S 26° 44' 55" E	788 m
Mahenge Scarp Forest Reserve	Tanzania	8° 37' 00" S 36° 43' 36" E	790 m
Mulenge Forest	Tanzania	7° 25' 16" S 35° 28' 11" E	790 m
Pietermaritzburg, 15 km N (see Saxony Cave)	South Africa	29° 28' 00" S 30° 20' 00" E	790 m
Saxony Cave, 15 km N Pietermaritzburg (see also: Pietermaritzburg, 15 km N)	South Africa	29° 28' 00" S 30° 20' 00" E	790 m
Steinkopf	South Africa	29° 16' 00" S 17° 44' 00" E	790 m
Nzoro (see also: Vankerckhovenstad, Vankerckhovenville)	Congo (Democratic Republic of the)	3° 20' 00" N 29° 30' 00" E	791 m
Vankerckhovenstad (see Nzoro)	Congo (Democratic Republic of the)	3° 20' 00" N 29° 30' 00" E	791 m
Vankerckhovenville (see Nzoro)	Congo (Democratic Republic of the)	3° 20' 00" N 29° 30' 00" E	791 m
Louisvale, near	South Africa	28° 34' 00" S 21° 12' 00" E	792 m
Camabatela, 30 km W (see Roça Canzel)	Angola	8° 21' 00" S 15° 11' 00" E	793 m
Canzale (see Roça Canzel), 30 km W Camabatela	Angola	8° 21' 00" S 15° 11' 00" E	793 m
Canzel (see Roça Canzel), 30 km W Camabatela	Angola	8° 21' 00" S 15° 11' 00" E	793 m
Canzele (see Roça Canzel), 30 km W Camabatela	Angola	8° 21' 00" S 15° 11' 00" E	793 m
Canzole (see Roça Canzel), 30 km W Camabatela	Angola	8° 21' 00" S 15° 11' 00" E	793 m
Kapeddo, 40 km N Lake Baringo (see also: Karpeddo, Karpedo, Lake Baringo, 40 km N)	Kenya	1° 10' 00" N 36° 06' 00" E	793 m
Karpeddo (see Kapeddo), 40 km N Lake Baringo	Kenya	1° 10' 00" N 36° 06' 00" E	793 m
Karpedo (see Kapeddo), 40 km N Lake Baringo	Kenya	1° 10' 00" N 36° 06' 00" E	793 m
Lake Baringo, 40 km N (see Kapeddo)	Kenya	1° 10' 00" N 36° 06' 00" E	793 m
Roça Cansele (see Roça Canzel), North of ?? Quiculango ??	Angola	8° 21' 00" S 15° 11' 00" E	793 m
Roça Canzel, 30 km W Camabatela (see also: Camabatela, 30 km W, Canzale, Canzel, Canzele, Canzole, Roça Cansele)	Angola	8° 21' 00" S 15° 11' 00" E	793 m
Bujumbura (see also: Usumbura)	Burundi	3° 23' 00" S 29° 22' 00" E	794 m
Lubondaie-Tshimbulu (see also: Lubondai-Tshimbulu)	Congo (Democratic Republic of the)	6° 34' 00" S 22° 39' 00" E	794 m
Lubondai-Tshimbulu (see Lubondaie-Tshimbulu)	Congo (Democratic Republic of the)	6° 34' 00" S 22° 39' 00" E	794 m
Mintjaminyumin (see Mintyaminyoumin), 4 km NNE Sangméelima (see also: Sangmélima, 4 km NNE)	Cameroon	3° 01' 00" N 12° 02' 00" E	794 m
Mintyaminyoumin, 4 km NNE Sangméelima (see also: Mintjaminyumin)	Cameroon	3° 01' 00" N 12° 02' 00" E	794 m
Usumbura (see Bujumbura)	Burundi	3° 23' 00" S 29° 22' 00" E	794 m
Chase Valley, Pietermaritzburg (see also: Chase Valley Heights)	South Africa	29° 34' 00" S 30° 22' 00" E	798 m
Kalondji (see Kalongi)	Congo (Democratic Republic of the)	6° 14' 00" S 23° 23' 00" E	799 m
Kalongi (see also: Kalondji, Kalonji)	Congo (Democratic Republic of the)	6° 14' 00" S 23° 23' 00" E	799 m
Kalonji (see Kalongi)	Congo (Democratic Republic of the)	6° 14' 00" S 23° 23' 00" E	799 m
Abialosa river	Congo (Democratic Republic of the)	0° 42' 00" N 29° 41' 00" E	800 m
Aldeia Chiuta (see also: Chiúta, Chuta)	Mozambique	15° 33' 44" S 33° 17' 23" E	800 m
Amabele	South Africa	32° 39' 00" S 27° 32' 00" E	800 m
Bedford	South Africa	32° 41' 00" S 26° 06' 00" E	800 m
Befotaka	Madagascar	23° 49' 48" S 46° 58' 12" E	800 m

Betroka	Madagascar	23° 15' 50" S 46° 05' 30" E	800 m
Bizana, near Harding	South Africa	30° 52' 00" S 29° 51' 00" E	800 m
Cato Ridge, 3 km NE	South Africa	29° 44' 00" S 30° 35' 00" E	ca. 800 m
Chiúta (see Aldeia Chiuta)	Mozambique	15° 33' 44" S 33° 17' 23" E	800 m
Chuta (see Aldeia Chiuta)	Mozambique	15° 33' 44" S 33° 17' 23" E	800 m
Djumma river, middle	Congo (Democratic Republic of the)	0° 42' 00" N 29° 41' 00" E	800 m
Ehomba (see also: Ehomba Mountains, Ehombo, Ehomboberge)	Namibia	17° 35' 00" S 13° 55' 00" E	800 m
Ehomba Mountains (see Ehomba)	Namibia	17° 35' 00" S 13° 55' 00" E	800 m
Ehombo (see Ehomba)	Namibia	17° 35' 00" S 13° 55' 00" E	800 m
Ehomboberge (see Ehomba)	Namibia	17° 35' 00" S 13° 55' 00" E	800 m
Generosa [hill] (see also: Morra da Generosa)	São Tomé and Principé	0° 21' 00" N 6° 33' 00" E	ca. 800 m
Inangongo	Congo (Democratic Republic of the)	0° 33' 00" N 29° 41' 00" E	800 m
Kabir (see Kabwir)	Nigeria	9° 24' 00" N 9° 34' 00" E	800 m
Kabwir (see also: Kabir)	Nigeria	9° 24' 00" N 9° 34' 00" E	800 m
Kakonda	Congo (Democratic Republic of the)	5° 50' 00" S 28° 42' 00" E	800 m
Kambemba	Congo (Democratic Republic of the)	0° 34' 00" N 29° 41' 00" E	800 m
King William's Town, 17.7 km N, 9.5 km W (see Sandile's Cave)	South Africa	32° 43' 00" S 27° 17' 30" E	800 m
King William's Town, 20 km NNW (see Sandile's Cave)	South Africa	32° 42' 00" S 27° 16' 00" E	800 m
Lesse	Congo (Democratic Republic of the)	0° 45' 00" N 29° 48' 00" E	800 m
Malingongo	Congo (Democratic Republic of the)	0° 44' 00" N 29° 40' 00" E	800 m
Masimengo	Congo (Democratic Republic of the)	0° 34' 00" N 29° 42' 00" E	800 m
Morra da Generosa (see Generosa [hill])	São Tomé and Principé	0° 21' 00" N 6° 33' 00" E	ca. 800 m
Nilo Forest Reserve	Tanzania	4° 54' 16" S 38° 39' 45" E	800 m
Orange River, near south bank, Upington	South Africa	28° 28' 00" S 21° 14' 00" E	800 m
Ruanoli-Mavea confluence	Congo (Democratic Republic of the)	0° 40' 00" N 29° 43' 00" E	800 m
Sandile's Cave, 17.7 km N, 9.5 km NW King William's Town (see also: King William's Town, 17.7 km N, 9.5 km W, King William's Town, 20 km NNW)	South Africa	32° 43' 00" S 27° 17' 30" E	800 m
Umtata, 1.8 km S, 3.0 km W (see University of Transkei Campus)	South Africa	31° 36' 16" S 28° 45' 15" E	800 m
University of Transkei Campus, 1.8 km S, 3.0 km W Umtata (see also: Umtata, 1.8 km S, 3.0 km W)	South Africa	31° 36' 16" S 28° 45' 15" E	800 m
Zoa Tea Estate (see also: Zoa Estate)	Malawi	16° 14' 00" S 35° 12' 00" E	800 m

801 - 900 m:

Louisvale	South Africa	28° 34' 00" S 21° 12' 00" E	802 m
Chobe River Farm (see Katima Mulilo), Katima Mulilo, Kabuta Village	Namibia	17° 30' 00" S 24° 16' 00" E	803 m
Katima Molilo (see Katima Mulilo)	Namibia	17° 30' 00" S 24° 16' 00" E	803 m
Katima Mulilo (see also: Chobe River Farm, Katima Molilo)	Namibia	17° 30' 00" S 24° 16' 00" E	803 m
Bena-Kaniki (see Kaniki Kapangu)	Congo (Democratic Republic of the)	6° 45' 00" S 23° 31' 00" E	805 m
Kaniki (see Kaniki Kapangu)	Congo (Democratic Republic of the)	6° 45' 00" S 23° 31' 00" E	805 m
Kaniki Kapangu (see also: Bena-Kaniki, Kaniki, Mutembu Kaniki Kapangu)	Congo (Democratic Republic of the)	6° 45' 00" S 23° 31' 00" E	805 m
Mutembu Kaniki Kapangu (see Kaniki Kapangu)	Congo (Democratic Republic of the)	6° 45' 00" S 23° 31' 00" E	805 m
Gandajika	Congo (Democratic Republic of the)	6° 45' 00" S 23° 57' 00" E	806 m
Cato Ridge	South Africa	29° 41' 49" S 30° 38' 01" E	807 m
Masimani	Tanzania	4° 13' 00" S 37° 33' 00" E	807 m
Rumonge	Burundi	3° 58' 20" S 29° 26' 20" E	809 m
Awash Station, 25 mi [=40 km] N (see Melka Werer), Awash Station, 40 km N	Ethiopia	9° 33' 00" N 40° 24' 00" E	810 m

Melka Were (see Melka Werer), 25 mi [=40 km] N Awash Station	Ethiopia	9° 33' 00" N 40° 24' 00" E	810 m
Melka Werer, 25 mi [=40 km] N Awash Station (see also: Awash Station, 25 mi [=40 km] N, Melka Were)	Ethiopia	9° 33' 00" N 40° 24' 00" E	810 m
Borawli (see also: Lava-Dom)	Ethiopia	13° 18' 00" N 40° 58' 48" E	812 m
Lava-Dom (see Borawli)	Ethiopia	13° 18' 00" N 40° 58' 48" E	812 m
Gihanga (see also: Kihanga)	Burundi	3° 11' 41" S 29° 17' 43" E	814 m
Kihanga (see Gihanga)	Burundi	3° 11' 41" S 29° 17' 43" E	814 m
Ngamaye	Congo (Democratic Republic of the)	0° 44' 00" N 29° 38' 00" E	815 m
Tinyade Estate	Malawi	15° 51' 34" S 35° 35' 25" E	815 m
West Nicholson	Zimbabwe	21° 04' 00" S 29° 22' 00" E	819 m
Nimule, 30 mi [=48 km] N (see Kerripi)	South Sudan	3° 55' 00" N 31° 55' 00" E	820 m
Kalenda	Congo (Democratic Republic of the)	7° 07' 47" S 23° 32' 11" E	821 m
Kalenda [Kasai]	Congo (Democratic Republic of the)	7° 08' 00" S 23° 32' 00" E	821 m
Bishopstowe cave, Pietermaritzburg	South Africa	29° 34' 36" S 30° 27' 20" E	823 m
Great Sopo (see also: Great Soppo Forest)	Cameroon	4° 09' 17" N 9° 14' 34" E	824 m
Great Soppo Forest (see Great Sopo)	Cameroon	4° 09' 17" N 9° 14' 34" E	824 m
Brezina (see also: Brezina cave)	Algeria	33° 05' 59" N 1° 15' 25" E	825 m
Brezina cave (see Brezina)	Algeria	33° 05' 59" N 1° 15' 25" E	825 m
Kambu	Kenya	2° 35' 00" S 38° 05' 00" E	826 m
Tshapona (see Tshiapona)	Congo (Democratic Republic of the)	7° 11' 00" S 24° 19' 00" E	826 m
Tshiapona (see also: Tshapona)	Congo (Democratic Republic of the)	7° 11' 00" S 24° 19' 00" E	826 m
Grotte de Lukatu (see Ntoto cave)	Congo (Democratic Republic of the)	6° 59' 00" S 29° 43' 00" E	827 m
Lukatu cave (see Ntoto cave)	Congo (Democratic Republic of the)	6° 59' 00" S 29° 43' 00" E	827 m
Lukatu grot (see Ntoto cave)	Congo (Democratic Republic of the)	6° 59' 00" S 29° 43' 00" E	827 m
Ntoto cave (see also: Grotte de Lukatu, Lukatu cave, Lukatu grot)	Congo (Democratic Republic of the)	6° 59' 00" S 29° 43' 00" E	827 m
Makulakulu (see Mukulakulu)	Congo (Democratic Republic of the)	9° 33' 00" S 25° 47' 00" E	828 m
Mukulakula (see Mukulakulu)	Congo (Democratic Republic of the)	9° 33' 00" S 25° 47' 00" E	828 m
Mukulakulu (see also: Makulakulu, Mukulakula)	Congo (Democratic Republic of the)	9° 33' 00" S 25° 47' 00" E	828 m
Penge	Congo (Democratic Republic of the)	2° 48' 00" N 27° 55' 00" E	828 m
Kamponde	Congo (Democratic Republic of the)	6° 42' 00" S 22° 56' 00" E	829 m
Sinda river	Congo (Democratic Republic of the)	1° 02' 00" N 30° 04' 00" E	830 m
Yei (see also: Yey)	South Sudan	4° 05' 29" N 30° 40' 43" E	830 m
Yey (see Yei)	South Sudan	4° 05' 29" N 30° 40' 43" E	830 m
Leydsdorp	South Africa	23° 59' 00" S 30° 32' 00" E	831 m
Etembo	Congo (Democratic Republic of the)	0° 55' 00" N 28° 39' 00" E	832 m
Mbakaou	Cameroon	6° 19' 00" N 12° 49' 00" E	833 m
Archers Post (see also: Archer's Post)	Kenya	0° 39' 00" N 37° 41' 00" E	834 m
Archer's Post (see Archers Post)	Kenya	0° 39' 00" N 37° 41' 00" E	834 m
Kagelu	South Sudan	4° 03' 11" N 30° 36' 33" E	834 m
Tibati	Cameroon	6° 28' 00" N 12° 38' 00" E	838 m
Arusha Chini	Tanzania	3° 35' 00" S 37° 20' 00" E	839 m
Tungudu	Congo (Democratic Republic of the)	0° 45' 00" N 29° 40' 00" E	840 m
Irumu	Congo (Democratic Republic of the)	1° 27' 00" N 29° 52' 00" E	841 m
Luputa	Congo (Democratic Republic of the)	7° 10' 00" S 23° 42' 00" E	841 m
Kabinda	Congo (Democratic Republic of the)	6° 08' 00" S 24° 29' 00" E	842 m
Kaniosha (see Kanyosha)	Burundi	3° 24' 41" S 29° 21' 40" E	844 m

Kanyosha (see also: Kaniosha)	Burundi		3° 24' 41" S 29° 21' 40" E	844 m
Karibib, 80 mi [=129 km] E (see Otjimbingwe)	Namibia		22° 21' 00" S 16° 08' 00" E	844 m
La Grille	Comoro Islands		11° 27' 00" S 43° 20' 00" E	844 m
Otjimbingue (see Otjimbingwe), 80 mi E Karibib	Namibia		22° 21' 00" S 16° 08' 00" E	844 m
Otjimbingwe, 80 mi E Karibib (see also: Karibib, 80 mi [=129 km] E, Otjimbingue)	Namibia		22° 21' 00" S 16° 08' 00" E	844 m
Somba	Malawi		14° 39' 00" S 35° 32' 00" E	844 m
Miggiesgat cave (see Sudwala Cave), Nelspruit	South Africa		25° 22' 00" S 30° 42' 00" E	845 m
Muggiesgat cave (see Sudwala Cave)	South Africa		25° 22' 00" S 30° 42' 00" E	845 m
Sudwala Cave, Nelspruit (see also: Miggiesgat cave, Muggiesgat cave, Sudwala Cave area, Sudwalagrotte)	South Africa		25° 22' 00" S 30° 42' 00" E	845 m
Sudwala Cave area (see Sudwala Cave), Nelspruit	South Africa		25° 22' 00" S 30° 42' 00" E	845 m
Sudwalagrotte (see Sudwala Cave), Nelspruit	South Africa		25° 22' 00" S 30° 42' 00" E	845 m
Kituta Bay, South end Lake Tanganyika	Zambia		8° 32' 00" S 30° 30' 00" E	846 m
Ambatondrazaka (see also: Ambatonoradrazaka)	Madagascar		17° 50' 00" S 48° 25' 00" E	847 m
Ambatonoradrazaka (see Ambatondrazaka)	Madagascar		17° 50' 00" S 48° 25' 00" E	847 m
Boghar	Algeria		35° 54' 41" N 2° 43' 00" E	847 m
Zomba (see also: Zomba town)	Malawi		15° 23' 00" S 35° 20' 00" E	848 m
Zomba town (see Zomba)	Malawi		15° 23' 00" S 35° 20' 00" E	848 m
Blythswood Institute (see Blythswood Training Institute)	South Africa		32° 12' 00" S 27° 58' 00" E	850 m
Blythswood Training Institute (see also: Blythswood Institute, Blythswood Training Institution)	South Africa		32° 12' 00" S 27° 58' 00" E	850 m
Blythswood Training Institution (see Blythswood Training Institute)	South Africa		32° 12' 00" S 27° 58' 00" E	850 m
Carumbo, lake (see also: Lake Carumba, Lake Carumbo)	Angola		7° 48' 00" S 19° 57' 00" E	850 m
Djelube river, lower	Congo (Democratic Republic of the)		0° 35' 00" N 29° 40' 00" E	850 m
Djuma river, upper	Congo (Democratic Republic of the)		0° 38' 00" N 29° 34' 00" E	850 m
Farm Pretty View, 6.3 km N, 6.4 km W Seymour (see also: Pretty View, Farm, Seymour, 6.3 km N, 6.4 km W)	South Africa		32° 29' 49" S 26° 42' 14" E	850 m
Lake Carumba (see Carumbo, lake)	Angola		7° 48' 00" S 19° 57' 00" E	850 m
Lake Carumbo (see Carumbo, lake)	Angola		7° 48' 00" S 19° 57' 00" E	850 m
Maginda	Congo (Democratic Republic of the)		0° 49' 00" N 29° 54' 00" E	850 m
Pretty View, Farm (see Farm Pretty View)	South Africa		32° 29' 49" S 26° 42' 14" E	850 m
Samboko river	Congo (Democratic Republic of the)		1° 00' 00" N 29° 22' 00" E	850 m
Seymour, 6.3 km N, 6.4 km W (see Farm Pretty View)	South Africa		32° 29' 49" S 26° 42' 14" E	850 m
Stutterheim, near	South Africa	ca.	32° 33' 00" S 27° 27' 00" E	850 m
Talkount (see also: Talkout)	Morocco		31° 39' 36" N 7° 15' 36" W	851 m
Talkout (see Talkount)	Morocco		31° 39' 36" N 7° 15' 36" W	851 m
Beni (see also: New Beni)	Congo (Democratic Republic of the)		0° 30' 00" N 29° 28' 00" E	853 m
Takaba, 25 mi [=40 km] WSW (see also: Takabba, 25 mi [=40 km] WSW)	Kenya		3° 22' 00" N 39° 45' 00" E	853 m
Takaba, 64.7 km WSW (see also: Takabba, 64.7 km WSW)	Kenya		3° 22' 00" N 39° 45' 00" E	853 m
Takabba, 25 mi [=40 km] WSW (see Takaba, 25 mi [=40 km] WSW)	Kenya		3° 22' 00" N 39° 45' 00" E	853 m
Takabba, 64.7 km WSW (see Takaba, 64.7 km WSW)	Kenya		3° 22' 00" N 39° 45' 00" E	853 m
Blouberg Private Nature Reserve (see Farm Urk 10), 13 km W Vivo, Blouberg Krans	South Africa		23° 02' 00" S 29° 08' 00" E	854 m
Farm 10, Urk (see Farm Urk 10), 13 km W Vivo	South Africa		23° 02' 00" S 29° 08' 00" E	854 m
Farm Urk 10, 13 km W Vivo (see also: Blouberg Private Nature Reserve, Farm 10, Urk, Urk, Farm 10, Vivo, 13 km W)	South Africa		23° 02' 00" S 29° 08' 00" E	854 m
Kilwezi	Congo (Democratic Republic of the)		9° 06' 00" S 26° 46' 00" E	854 m
Urk, Farm 10 (see Farm Urk 10), 13 km W Vivo	South Africa		23° 02' 00" S 29° 08' 00" E	854 m
Vivo, 13 km W (see Farm Urk 10)	South Africa		23° 02' 00" S 29° 08' 00" E	854 m
Magwe, 35 mi [=56 km] SW Torit (see also: Torit, 35 mi [=56 km] SW)	South Sudan		4° 08' 17" N 32° 17' 01" E	858 m
Torit, 35 mi [=56 km] SW (see Magwe)	South Sudan		4° 08' 17" N 32° 17' 01" E	858 m
Weenen	South Africa		28° 51' 00" S 30° 04' 00" E	858 m
Angumu (see also: Angumu Etat)	Congo (Democratic Republic of the)		0° 07' 00" S 27° 42' 00" E	859 m

Angumu Etat (see Angumu)	Congo (Democratic Republic of the)	0° 07' 00" S 27° 42' 00" E	859 m
Ganza	Congo (Democratic Republic of the)	9° 14' 17" S 26° 41' 48" E	860 m
Kagoro	Nigeria	9° 36' 00" N 8° 23' 00" E	860 m
Nindam farm	Nigeria	9° 36' 00" N 8° 23' 00" E	860 m
Kagoro	Nigeria	9° 36' 28" N 8° 23' 25" E	863 m
Steynsdorp	South Africa	26° 08' 00" S 30° 59' 00" E	863 m
Mooiplaas, SAPPI (see also: Stan Hope Mine)	South Africa	28° 33' 30" S 31° 09' 55" E	864 m
Mooiplass Plantation, Melmoth area	South Africa	28° 33' 30" S 31° 09' 55" E	864 m
Sagalla	Kenya	3° 31' 00" S 38° 34' 00" E	864 m
Stan Hope Mine (see Mooiplaas, SAPPI)	South Africa	28° 33' 30" S 31° 09' 55" E	864 m
Nongoma	South Africa	27° 54' 00" S 31° 39' 00" E	865 m
Ambarao (see Ambarau)	Congo (Democratic Republic of the)	3° 10' 00" N 29° 44' 00" E	867 m
Ambarau (see also: Ambarao)	Congo (Democratic Republic of the)	3° 10' 00" N 29° 44' 00" E	867 m
Chitado (see Khitado)	Angola	17° 19' 00" S 13° 55' 00" E	869 m
Khitado (see also: Chitado)	Angola	17° 19' 00" S 13° 55' 00" E	869 m
Boerboomskraal (see also: Buffelsvlei, Marone, Morone)	South Africa	24° 49' 00" S 30° 21' 00" E	876 m
Buffelsvlei (see Boerboomskraal)	South Africa	24° 49' 00" S 30° 21' 00" E	876 m
Marone (see Boerboomskraal)	South Africa	24° 49' 00" S 30° 21' 00" E	876 m
Mikumi National Park (see also: Doma Mikumi Game Controlled Area)	Tanzania	7° 15' 00" S 37° 05' 00" E	876 m
Morone (see Boerboomskraal)	South Africa	24° 49' 00" S 30° 21' 00" E	876 m
Bokwango, near Buéa	Cameroon	4° 08' 19" N 9° 13' 28" E	877 m
Dramba	Congo (Democratic Republic of the)	3° 40' 00" N 30° 19' 00" E	877 m
Lulimba	Congo (Democratic Republic of the)	4° 41' 36" S 28° 37' 54" E	877 m
Figuig (see also: Figuiq)	Morocco	32° 07' 00" N 1° 13' 37" W	878 m
Figuiq (see Figuig)	Morocco	32° 07' 00" N 1° 13' 37" W	878 m
Mpaza	Congo (Democratic Republic of the)	4° 14' 00" N 29° 37' 00" E	878 m
Aoufous, Tafilatt (see also: Aoufouss, Centre d'Aoufous)	Morocco	31° 41' 20" N 4° 10' 40" W	881 m
Aoufouss (see Aoufous), Tafilatt	Morocco	31° 41' 20" N 4° 10' 40" W	881 m
Centre d'Aoufous (see Aoufous), Tafilatt	Morocco	31° 41' 20" N 4° 10' 40" W	881 m
Kapanga	Congo (Democratic Republic of the)	8° 21' 00" S 22° 35' 00" E	881 m
Tshibaka (see Tshibaka-Kaji)	Congo (Democratic Republic of the)	7° 43' 00" S 23° 12' 00" E	882 m
Tshibaka-Kaji (see also: Tshibaka)	Congo (Democratic Republic of the)	7° 43' 00" S 23° 12' 00" E	882 m
Euaso Nyiro (see Ewaso Ngi'ro)	Kenya	0° 35' 00" N 37° 32' 00" E	884 m
Farm Koedoeskloof, 45.2 km S, 28.6 km W Murraysburg (see also: Koedoeskloof, Farm, Murraysburg, 45.2 km S, 28.6 km W)	South Africa	32° 21' 23" S 23° 27' 04" E	884 m
Jipe, lake (see also: Jippe, lake, Lake Jipe, Lake Jippe)	Kenya	3° 35' 00" S 37° 46' 00" E	884 m
Jippe, lake (see Jipe, lake)	Kenya	3° 35' 00" S 37° 27' 00" E	884 m
Kabuta Village	Namibia	17° 48' 00" S 25° 05' 00" E	884 m
Khor Mallum, 60 mi [=96 km] SSW El Fasher	Sudan	ca. 12° 54' 49" N 25° 06' 14" E	884 m
Koedoeskloof, Farm (see Farm Koedoeskloof)	South Africa	32° 21' 23" S 23° 27' 04" E	884 m
Lake Jipe (see Jipe, lake)	Kenya	3° 35' 00" S 37° 27' 00" E	884 m
Lake Jippe (see Jipe, lake)	Kenya	3° 35' 00" S 37° 27' 00" E	884 m
Linyandi	Namibia	18° 06' 00" S 24° 02' 00" E	884 m
Murraysburg, 45.2 km S, 28.6 km W (see Farm Koedoeskloof)	South Africa	32° 21' 23" S 23° 27' 04" E	884 m
Nampini	Namibia	17° 51' 00" S 23° 20' 00" E	884 m
Kamiama (see Kaniama)	Congo (Democratic Republic of the)	7° 31' 00" S 24° 11' 00" E	887 m
Kaniama (see also: Kamiama)	Congo (Democratic Republic of the)	7° 31' 00" S 24° 11' 00" E	887 m
Luvungi	Congo (Democratic Republic of the)	2° 52' 00" S 29° 02' 00" E	887 m
Moschi (see Moshi)	Tanzania	3° 21' 00" S 37° 20' 00" E	887 m
Moshi (see also: Moschi, Moshi Voi)	Tanzania	3° 21' 00" S 37° 20' 00" E	887 m
Moshi Voi (see Moshi)	Tanzania	3° 21' 00" S 37° 20' 00" E	887 m
Moyo, West Madi County, West Nile district	Uganda	3° 37' 41" N 31° 45' 13" E	889 m

Aba	Congo (Democratic Republic of the)		3° 52' 00" N 30° 14' 00" E	890 m
Dzialandée, lac de (see Dzialandée, lake)	Comoro Islands		12° 13' 16" S 44° 25' 58" E	890 m
Dzialandée, lake (see also: Dzialandée, lac de, Lake Dzialandée)	Comoro Islands		12° 13' 16" S 44° 25' 58" E	890 m
Lake Dzialandée (see Dzialandée, lake)	Comoro Islands		12° 13' 16" S 44° 25' 58" E	890 m
Munoi confluence (see also: Munoi)	Congo (Democratic Republic of the)		8° 45' 00" S 26° 46' 00" E	890 m
Musenji (see Musindji)	Congo (Democratic Republic of the)		7° 36' 00" S 24° 33' 00" E	894 m
Musindji (see also: Musenji, Musingi)	Congo (Democratic Republic of the)		7° 36' 00" S 24° 33' 00" E	894 m
Musingi (see Musindji), 200 km from Kamina	Congo (Democratic Republic of the)		7° 36' 00" S 24° 33' 00" E	894 m
Misour (see Missour)	Morocco		33° 03' 00" N 3° 59' 24" W	895 m
Missour (see also: Misour)	Morocco		33° 03' 00" N 3° 59' 24" W	895 m
Kalichero	Zambia		13° 33' 00" S 32° 24' 00" E	896 m
Karambi	Congo (Democratic Republic of the)		0° 39' 00" S 29° 21' 00" E	896 m
Kijiri village, Kangapo Two Payam, Jalimo Boma, Juka stream	South Sudan		3° 45' 00" N 31° 35' 00" E	897 m
Same (see also: Ssame)	Tanzania		4° 04' 00" S 37° 44' 00" E	897 m
Ssame (see Same)	Tanzania		4° 04' 00" S 37° 44' 00" E	897 m
Ampitambé (2), 45 km ESE Fandriana (see also: Fandriana, 45 km ESE)	Madagascar	ca.		900 m
Atherstone Station, near (see Farm Fir Glen)	South Africa		33° 19' 20" S 26° 23' 21" E	900 m
Bwirina	Congo (Democratic Republic of the)		0° 39' 00" N 29° 43' 00" E	900 m
Chikwa	Zambia		11° 40' 00" S 32° 47' 00" E	900 m
Emfundisweni (see Mfundisweni)	South Africa		30° 54' 00" S 29° 32' 00" E	900 m
Emfundusweni (see Mfundisweni)	South Africa		30° 54' 00" S 29° 32' 00" E	900 m
Engcobo	South Africa		31° 40' 00" S 27° 59' 00" E	900 m
Fandriana, 45 km ESE (see Ampitambé (2))	Madagascar	ca.	21° 00' 00" S 47° 45' 00" E	900 m
Farm Fir Glen, near Atherstone Station (see also: Atherstone Station, near, Fir Glen, Farm)	South Africa		33° 19' 20" S 26° 23' 21" E	900 m
Fir Glen, Farm (see Farm Fir Glen), Grahamstown	South Africa		33° 19' 20" S 26° 23' 21" E	900 m
Grotte de Kiwakishi (see Kiamokoto)	Congo (Democratic Republic of the)		9° 10' 00" S 27° 04' 00" E	900 m
Izeleni Plantation	South Africa		32° 41' 00" S 27° 25' 00" E	900 m
Kasaka	Congo (Democratic Republic of the)		0° 05' 00" N 29° 36' 00" E	900 m
Kiamokoto, on Lukima river (see also: Grotte de Kiwakishi, Kiwakishi cave, Kiwakishi grot)	Congo (Democratic Republic of the)		9° 10' 00" S 27° 04' 00" E	900 m
Kiwakishi cave (see Kiamokoto)	Congo (Democratic Republic of the)		9° 10' 00" S 27° 04' 00" E	900 m
Kiwakishi grot (see Kiamokoto)	Congo (Democratic Republic of the)		9° 10' 00" S 27° 04' 00" E	900 m
Malosa	Malawi		15° 12' 00" S 35° 20' 00" E	900 m
Mbambi	Namibia		17° 55' 00" S 21° 00' 00" E	900 m
Mfundisweni (see also: Emfundisweni, Emfundusweni)	South Africa		30° 54' 00" S 29° 32' 00" E	900 m
Mulunguzi Road, 10	Malawi		15° 23' 00" S 35° 20' 00" E	900 m
Ndelele	Congo (Democratic Republic of the)		4° 22' 00" N 29° 47' 00" E	900 m
Tambook Vlei (see Tambookies Vlei)	South Africa		32° 36' 00" S 26° 43' 00" E	900 m
Tambookies Vlei, near Hertzog (see also: Tambook Vlei)	South Africa		32° 36' 00" S 26° 43' 00" E	900 m
Ukaika	Congo (Democratic Republic of the)		0° 45' 00" N 28° 45' 00" E	900 m
Western Spur Valley	Guinea		8° 33' 26" N 8° 55' 16" W	ca. 900 m

901 - 1000 m:

Chá Cassau (see Elias Garcia), 150 km SSE Dundo	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Dundo, 150 km SSE (see Elias Garcia)	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Elias Garcia, 150 km SSE Dundo (see also: Chá Cassau, Dundo, 150 km SSE, Sha Kazau, Sombo, Xa Cassai, Xá Cassau)	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Sha Kazau (see Elias Garcia), 150 km SSE Dundo	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Sombo (see Elias Garcia), 150 km SSE Dundo	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Xa Cassai (see Elias Garcia), 150 km SSE Dundo	Angola		8° 56' 00" S 20° 18' 00" E	901 m

Xá Cassau (see Elias Garcia), 150 km SSE Dundo	Angola		8° 56' 00" S 20° 18' 00" E	901 m
Nelspruit, 40 km W (see Sudwala Mines)	South Africa		25° 23' 24" S 30° 40' 48" E	902 m
Sudwala Mines, 40 km W Nelspruit (see also: Nelspruit, 40 km W)	South Africa		25° 23' 24" S 30° 40' 48" E	902 m
Yumbe, Nile province, West Nile dist.	Uganda		3° 26' 47" N 31° 16' 13" E	903 m
Sebdou	Algeria		34° 38' 33" N 1° 19' 59" W	904 m
Cholo (see Thyolo), on Ruo River	Malawi		16° 04' 00" S 35° 08' 00" E	905 m
Ngoma (see also: N'goma)	Congo (Democratic Republic of the)		0° 20' 00" N 28° 44' 00" E	905 m
N'goma (see Ngoma)	Congo (Democratic Republic of the)		0° 20' 00" N 28° 44' 00" E	905 m
Thyolo, on Ruo River (see also: Cholo)	Malawi		16° 04' 00" S 35° 08' 00" E	905 m
Bibala (see also: Biballa, Vila Arriaga, Villa Arriaga)	Angola		14° 46' 00" S 13° 21' 00" E	906 m
Biballa (see Bibala) (see also: Fazenda Cacanda)	Angola		14° 46' 00" S 13° 21' 00" E	906 m
Fazenda Cacanda (see Biballa)	Angola		14° 46' 00" S 13° 21' 00" E	906 m
Vila Arriaga (see Bibala)	Angola		14° 46' 00" S 13° 21' 00" E	906 m
Villa Arriaga (see Bibala)	Angola		14° 46' 00" S 13° 21' 00" E	906 m
Bitshumbi (see Vitshumbi)	Congo (Democratic Republic of the)		0° 40' 56" S 29° 23' 12" E	907 m
Vitshumbi (see also: Bitshumbi)	Congo (Democratic Republic of the)		0° 40' 56" S 29° 23' 12" E	907 m
Moramanga	Madagascar		18° 56' 00" S 48° 12' 00" E	909 m
Nata	Botswana		20° 12' 00" S 26° 11' 00" E	909 m
Chita, 1.7 km N, 3.5 km W	Tanzania		8° 30' 20" S 35° 54' 30" E	910 m
Taveta Sisal Estate, SW Taveta	Kenya		3° 24' 00" S 37° 41' 00" E	910 m
Aïn Taforalt (see Taforhalt)	Morocco		34° 48' 36" N 2° 24' 00" W	911 m
Camp d'Aïn Tafouralt (see Taforhalt)	Morocco		34° 48' 36" N 2° 24' 00" W	911 m
Okaru, 25 mi [=40 km] W Torit (see also: Torit, 25 mi [=40 km] SE)	South Sudan		4° 29' 29" N 32° 10' 09" E	911 m
Taforalt (see Taforhalt)	Morocco		34° 48' 36" N 2° 24' 00" W	911 m
Taforhalt (see also: Aïn Taforalt, Camp d'Aïn Tafouralt, Taforalt)	Morocco		34° 48' 36" N 2° 24' 00" W	911 m
Torit, 25 mi [=40 km] SE (see Okaru)	South Sudan		4° 29' 29" N 32° 10' 09" E	911 m
Esosoung (see Essosong)	Cameroon		4° 51' 37" N 9° 43' 49" E	912 m
Essosong (see also: Esosoung)	Cameroon		4° 51' 37" N 9° 43' 49" E	912 m
Ghinda (see Ginda'), Asmara, NE	Eritrea		15° 26' 57" N 39° 05' 19" E	912 m
Ghinda'e (see Ginda'), Asmara, NE	Eritrea		15° 26' 57" N 39° 05' 19" E	912 m
Ginda', Asmara, NE (see also: Ghinda, Ghinda'e)	Eritrea		15° 26' 57" N 39° 05' 19" E	912 m
Alambi	Congo (Democratic Republic of the)		2° 07' 00" N 28° 49' 00" E	913 m
Ampitambé (1), N of Moramanga	Madagascar		18° 51' 00" S 48° 15' 00" E	913 m
Bela	Congo (Democratic Republic of the)		0° 38' 00" N 29° 14' 00" E	913 m
Pahoni (see Paoni)	Congo (Democratic Republic of the)		1° 58' 30" N 28° 52' 30" E	913 m
Paoni, N'Duye (see also: Pahoni)	Congo (Democratic Republic of the)		1° 58' 30" N 28° 52' 30" E	913 m
Pita	Guinea		11° 05' 00" N 12° 25' 00" W	913 m
Albert Edward Nyanza (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Alexanderskraal, Farm (see Farm Alexanderskraal)	South Africa		32° 18' 35" S 23° 25' 00" E	914 m
Amani West Forest Reserve	Tanzania		5° 06' 00" S 38° 38' 00" E	914 m
Andreba (railroad station)	Madagascar		17° 38' 00" S 48° 32' 00" E	914 m
Batala's Village, 30 mi W Beni (see also: Beni, 30 mi [=48 km] W, Mambabwanga Hill)	Congo (Democratic Republic of the)		0° 30' 00" N 29° 15' 00" E	914 m
Beni, 25 km NW (see Moera's village), Ituri drainage	Congo (Democratic Republic of the)	ca.	0° 35' 00" N 29° 25' 00" E	914 m
Beni, 30 mi [=48 km] W (see Batala's Village)	Congo (Democratic Republic of the)		0° 30' 00" N 29° 15' 00" E	914 m
Dahlia, 5 mi [=8 km] W	Zimbabwe		18° 35' 00" S 27° 08' 00" E	914 m
Dete, Hwange Safari Lodge (see also: Dett)	Zimbabwe		18° 37' 00" S 26° 52' 00" E	914 m
Dett (see Dete)	Zimbabwe		18° 37' 00" S 26° 52' 00" E	914 m
Dett, 15 mi [=24 km] E (see Wankie Tribal Trust Land)	Zimbabwe		18° 10' 00" S 26° 45' 00" E	914 m
Édouard, lac (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Edward Nyanza (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m

Edward, lake (see also: Albert Edward Nyanza, Édouard, lac, Edward Nyanza, Eward meer, Idi Amin Dada, lake, Idi Amine, lac, Lake Edward, Lake Idi Amin Dada)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Eward meer (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Farm Alexanderskraal, 40.2 km S, 31.8 km W Murraysburg (see also: Alexanderskraal, Farm, Murraysburg, 40.2 km S, 31.8 km W)	South Africa		32° 18' 35" S 23° 25' 00" E	914 m
Hwange (see Hwange National Park)	Zimbabwe		19° 10' 00" S 26° 30' 00" E	914 m
Hwange (see Wankie Tribal Trust Land), 15 mi E Dett	Zimbabwe		18° 10' 00" S 26° 45' 00" E	914 m
Hwange National Park (see also: Hwange, Robins Game Reserve, Wankie Game Reserve, Wankie National Park)	Zimbabwe		19° 10' 00" S 26° 30' 00" E	914 m
Idi Amin Dada, lake (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Idi Amine, lac (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Kasenji (see Kasenyi)	Uganda		0° 02' 26" S 30° 08' 45" E	914 m
Kasenju (see Kasenyi)	Uganda		0° 02' 26" S 30° 08' 45" E	914 m
Kasenyi (see also: Kasenji, Kasenju)	Uganda		0° 02' 26" S 30° 08' 45" E	914 m
Katwe, near	Uganda	ca.	0° 08' 30" S 29° 49' 49" E	914 m
Kiboko, 1 mi [=1.6 km] W	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 10 mi [=16 km] N	Kenya		2° 02' 00" S 37° 42' 00" E	914 m
Kiboko, 10 mi [=16 km] S	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 3 mi [=4.8 km] E, Granite Outcrop	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, 3 mi [=4.8 km] W	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kiboko, ca 10 mi [=16 km] N	Kenya	ca.	2° 11' 00" S 37° 43' 00" E	914 m
Kinyiba-Bekat, ca. 1 km W of town center	South Sudan		3° 49' 45" N 31° 35' 14" E	914 m
Lake Edward (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Lake Idi Amin Dada (see Edward, lake)	Uganda	ca.	0° 08' 00" S 29° 53' 00" E	914 m
Luangwa Valley	Zambia		13° 07' 30" S 31° 52' 30" E	914 m
Mathae Ranch, 22 mi [=35 km] E Mica (see also: Mica, 22 mi [=35 km] E)	South Africa		24° 08' 03" S 31° 07' 08" E	914 m
Mica, 22 mi [=35 km] E (see Mathae Ranch)	South Africa		24° 08' 03" S 31° 07' 08" E	914 m
Miveya (see Mweya Lodge)	Uganda		0° 14' 27" S 29° 55' 08" E	914 m
Moera's village, 25 km NW Beni, Ituri drainage (see also: Beni, 25 km NW)	Congo (Democratic Republic of the)	ca.	0° 35' 00" N 29° 25' 00" E	914 m
Murraysburg, 40.2 km S, 31.8 km W (see Farm Alexanderskraal)	South Africa		32° 18' 35" S 23° 25' 00" E	914 m
Mweya (see Mweya Lodge)	Uganda		0° 14' 27" S 29° 55' 08" E	914 m
Mweya Lodge (see also: Miveya, Mweya, Mweya Safari Lodge)	Uganda		0° 14' 27" S 29° 55' 08" E	914 m
Mweya Safari Lodge (see Mweya Lodge)	Uganda		0° 14' 27" S 29° 55' 08" E	914 m
Nekate (see also: Nekati)	Botswana		20° 05' 00" S 26° 01' 00" E	914 m
Nekati (see Nekate)	Botswana		20° 05' 00" S 26° 01' 00" E	914 m
Paraa (see also: Paraa Lodge, Paraa Safari Lodge)	Uganda		2° 17' 31" N 31° 34' 39" E	914 m
Paraa Lodge (see Paraa)	Uganda		2° 17' 31" N 31° 34' 39" E	914 m
Paraa Safari Lodge (see Paraa)	Uganda		2° 17' 31" N 31° 34' 39" E	914 m
Périnet, 1 mi [=1.6 km] S	Madagascar	ca.	18° 56' 00" S 48° 25' 00" E	914 m
Périnet, 8 km S	Madagascar	ca.	18° 56' 00" S 48° 25' 00" E	914 m
Robins Game Reserve (see Hwange National Park)	Zimbabwe		19° 10' 00" S 26° 30' 00" E	914 m
Rungwa	Tanzania		7° 21' 00" S 31° 40' 00" E	914 m
Samburu Game Lodge (see Samburu Game Reserve), Vasio Nyiro[=Uwaso Ngiro] River	Kenya		0° 40' 00" N 37° 32' 00" E	914 m
Samburu Game Reserve, Vasio Nyiro[=Uwaso Ngiro] River (see also: Samburu Game Lodge, Samburu Uaso Nyiro Game Reserve)	Kenya		0° 40' 00" N 37° 32' 00" E	914 m
Soroti	Uganda		1° 41' 08" N 33° 36' 59" E	914 m
Springbok,10 km S, 3 km W	South Africa		29° 45' 00" S 17° 51' 00" E	914 m
Sunnat	South Sudan		4° 19' 25" N 32° 47' 56" E	914 m
Talanga forest	South Sudan		4° 00' 00" N 32° 44' 00" E	914 m
Torit district	South Sudan	ca.	4° 24' 48" N 32° 34' 04" E	914 m
Wankie Game Reserve (see Hwange National Park)	Zimbabwe		19° 10' 00" S 26° 30' 00" E	914 m
Wankie National Park (see Hwange National Park)	Zimbabwe		19° 10' 00" S 26° 30' 00" E	914 m
Wankie Reserve (see Wankie Tribal Trust Land), 15 mi E Dett	Zimbabwe		18° 10' 00" S 26° 45' 00" E	914 m
Wankie Tribal Trust Land, 15 mi E Dett (see also: Dett, 15 mi [=24 km] E, Hwange, Wankie Reserve)	Zimbabwe		18° 10' 00" S 26° 45' 00" E	914 m
Yirol district	South Sudan	ca.	6° 33' 24" N 30° 30' 13" E	ca. 914 m
Antananarivo, 30 km E (see Nandihizana)	Madagascar		18° 54' 00" S 47° 43' 00" E	915 m
Carion (see Nandihizana), 30 km E Tananarive	Madagascar		18° 54' 00" S 47° 43' 00" E	915 m

Lomera	Congo (Democratic Republic of the)	0° 07' 00" N 29° 35' 00" E	915 m
Nandihizana, 30 km E Tananarive (see also: Antananarivo, 30 km E, Carion, Tananarive, 30 km E)	Madagascar	18° 54' 00" S 47° 43' 00" E	915 m
Pietermaritzburg, 23 km N (see Table Mountain Pothole)	South Africa	29° 36' 00" S 30° 36' 00" E	915 m
Table Mountain Pothole (see also: Pietermaritzburg, 23 km N)	South Africa	29° 36' 00" S 30° 36' 00" E	915 m
Tananarive, 30 km E (see Nandihizana)	Madagascar	18° 54' 00" S 47° 43' 00" E	915 m
Boboni, cave near	Comoro Islands	11° 45' 09" S 43° 19' 49" E	916 m
Pungo Andongo	Angola	9° 40' 00" S 15° 35' 00" E	916 m
Kabongo	Congo (Democratic Republic of the)	7° 19' 00" S 25° 35' 00" E	918 m
Kashiobwe (see also: Kashiobwe mission, Mission Kashiobwe)	Congo (Democratic Republic of the)	9° 39' 00" S 28° 37' 00" E	918 m
Kashiobwe mission (see Kashiobwe)	Congo (Democratic Republic of the)	9° 39' 00" S 28° 37' 00" E	918 m
Kigwena Hill	Burundi	4° 08' 38" S 29° 32' 07" E	918 m
Kilwa, lake Moero	Congo (Democratic Republic of the)	9° 18' 00" S 28° 20' 00" E	918 m
Lukonzolwa	Congo (Democratic Republic of the)	8° 47' 00" S 28° 39' 00" E	918 m
Mission Kashiobwe (see Kashiobwe)	Congo (Democratic Republic of the)	9° 39' 00" S 28° 37' 00" E	918 m
Kitonga	Congo (Democratic Republic of the)	0° 30' 00" S 29° 18' 00" E	920 m
Analamazaotra forest (see Andasibe), E of Moramanga	Madagascar	18° 56' 00" S 48° 25' 00" E	921 m
Andasibe (see also: Analamazaotra forest, Périnet)	Madagascar	18° 56' 00" S 48° 25' 00" E	921 m
Itala Game Reserve (see Ithala Game Reserve)	South Africa	27° 33' 36" S 31° 12' 36" E	922 m
Itala National Park (see Ithala Game Reserve)	South Africa	27° 33' 36" S 31° 12' 36" E	922 m
Ithala Game Reserve, 50 km SW Pongola (see also: Itala Game Reserve, Itala National Park, Ithala Game Reserve, Main Camp, Ithala Nature Reserve, Louwsburg, 10 km NW, Pongola, 50 km SW)	South Africa	27° 33' 36" S 31° 12' 36" E	922 m
Ithala Nature Reserve (see Ithala Game Reserve), 9 km NE Louwsburgh	South Africa	27° 33' 36" S 31° 12' 36" E	922 m
Louwsburg, 10 km NW (see Ithala Game Reserve)	South Africa	27° 33' 36" S 31° 12' 36" E	922 m
Pongola, 50 km SW (see Ithala Game Reserve)	South Africa	27° 33' 36" S 31° 12' 36" E	922 m
Mactaris ruins (see Maktar ruins)	Tunisia	35° 51' 38" N 9° 12' 21" E	923 m
Maktar ruins, under large baths of the southeast (see also: Mactaris ruins, Makthar ruins)	Tunisia	35° 51' 38" N 9° 12' 21" E	923 m
Makthar ruins (see Maktar ruins)	Tunisia	35° 51' 38" N 9° 12' 21" E	923 m
Gwortapeng village, Lire Payam, Romogi Boma, Sanga stream	South Sudan	3° 55' 09" N 31° 38' 07" E	924 m
Livingstone	Zambia	17° 51' 00" S 25° 52' 00" E	924 m
Bauelende (see Bauelendu)	Congo (Democratic Republic of the)	0° 16' 00" N 29° 36' 00" E	925 m
Bauelendu (see also: Bauelende)	Congo (Democratic Republic of the)	0° 16' 00" N 29° 36' 00" E	925 m
Kakungu	Congo (Democratic Republic of the)	0° 07' 00" S 29° 37' 00" E	925 m
Kamande	Congo (Democratic Republic of the)	0° 35' 00" S 29° 18' 00" E	925 m
Kishero	Congo (Democratic Republic of the)	0° 11' 00" N 29° 39' 00" E	925 m
Berseba	Namibia	25° 59' 00" S 17° 47' 00" E	926 m
Maun (see also: Mawn)	Botswana	19° 59' 00" S 23° 25' 00" E	927 m
Mawn (see Maun)	Botswana	19° 59' 00" S 23° 25' 00" E	927 m
Chibambo (see Shibambo)	Congo (Democratic Republic of the)	10° 18' 00" S 28° 37' 00" E	928 m
Komanda (see also: Komande)	Congo (Democratic Republic of the)	1° 23' 00" N 29° 46' 00" E	928 m
Komande (see Komanda)	Congo (Democratic Republic of the)	1° 23' 00" N 29° 46' 00" E	928 m
Shibambo (see also: Chibambo, Shibombo, Tshibambo)	Congo (Democratic Republic of the)	10° 18' 00" S 28° 37' 00" E	928 m
Shibombo (see Shibambo)	Congo (Democratic Republic of the)	10° 18' 00" S 28° 37' 00" E	928 m
Tshibambo (see Shibambo)	Congo (Democratic Republic of the)	10° 18' 00" S 28° 37' 00" E	928 m
Kabi stream, Lire Payam, NW of Mogiri town	South Sudan	3° 56' 52" N 31° 34' 41" E	929 m
Mogiri, NW of town	South Sudan	3° 56' 52" N 31° 34' 40" E	929 m

Kambukabakali	Congo (Democratic Republic of the)	0° 01' 00" S 29° 36' 00" E	930 m
Kiboko cave (see Kiboko)	Kenya	2° 11' 00" S 37° 43' 00" E	930 m
Kiboko station (see Kiboko)	Kenya	2° 11' 00" S 37° 43' 00" E	930 m
Lukafu	Congo (Democratic Republic of the)	10° 31' 00" S 27° 33' 00" E	930 m
Nyanugasani River	Uganda	0° 09' 00" S 29° 49' 00" E	930 m
Turkwell Gorge	Kenya	1° 55' 00" N 35° 20' 00" E	930 m
Kungupuri (Bekat) Stream	South Sudan	3° 52' 47" N 31° 38' 42" E	931 m
Vumbi	Congo (Democratic Republic of the)	8° 38' 00" S 25° 58' 00" E	932 m
Khuis	Botswana	26° 39' 28" S 21° 50' 18" E	934 m
Kiavinionge (see Kyavinionge)	Congo (Democratic Republic of the)	0° 07' 00" S 26° 36' 00" E	935 m
Kyavinionge (see also: Kiavinionge)	Congo (Democratic Republic of the)	0° 07' 00" S 26° 36' 00" E	935 m
Panyai (Thomas Modi's house)	South Sudan	3° 52' 54" N 31° 39' 40" E	935 m
Lorini stream, Lire Payam, Romogi Boma	South Sudan	3° 55' 08" N 31° 38' 38" E	936 m
Kasenga (see also: Kasenga mission, Mission Kasenga)	Congo (Democratic Republic of the)	10° 22' 00" S 28° 38' 00" E	938 m
Kasenga mission (see Kasenga)	Congo (Democratic Republic of the)	10° 22' 00" S 28° 38' 00" E	938 m
Mission Kasenga (see Kasenga)	Congo (Democratic Republic of the)	10° 22' 00" S 28° 38' 00" E	938 m
Mwingi	Kenya	0° 56' 00" S 38° 04' 00" E	938 m
Petauke	Zambia	14° 15' 00" S 31° 20' 00" E	939 m
Kanyatsi	Congo (Democratic Republic of the)	0° 08' 00" S 29° 37' 00" E	940 m
Ndote	Congo (Democratic Republic of the)	0° 11' 00" N 29° 39' 00" E	940 m
Toteng	Botswana	20° 23' 00" S 22° 57' 00" E	940 m
Amani Nature Forest Reserve, NW-side	Tanzania	5° 07' 32" S 38° 34' 50" E	945 m
Luro cave, base camp	South Sudan	3° 54' 07" N 31° 41' 39" E	945 m
Bulaya, Lake Mweru Wantipa	Zambia	8° 31' 00" S 30° 08' 00" E	948 m
Mura, 40 mi [=64 km] NE Torit (see also: Torit, 40 mi [=64 km] NE)	South Sudan	4° 48' 00" N 32° 42' 00" E	948 m
Torit, 40 mi [=64 km] NE (see Mura)	South Sudan	4° 48' 00" N 32° 42' 00" E	948 m
Kinyiba cave	South Sudan	3° 49' 48" N 31° 34' 40" E	949 m
Ambodiamontana, ca 7 km (by road) W Ranomafana (see also: Ranomafana, ca 7 km (by road) W)	Madagascar	21° 16' 01" S 47° 25' 59" E	950 m
Andranomilitry, cave (see Ihosy (commune rurale)), Ankily	Madagascar	22° 23' 07" S 46° 03' 23" E	950 m
Chitabe, Gomoti river, Okavango delta	Botswana	19° 39' 30" S 23° 22' 07" E	950 m
Fouta Djallon, mount (see Foutadjalon, mount)	Guinea	11° 30' 00" N 12° 30' 00" W	950 m
Fouta Djallon, mount (see Foutadjalon, mount)	Guinea	11° 30' 00" N 12° 30' 00" W	950 m
Foutadjalon, mount (see also: Fouta Djallon, mount)	Guinea	11° 30' 00" N 12° 30' 00" W	950 m
Foutadjalon, mount (see also: Fouta Djallon, mount)	Guinea	11° 30' 00" N 12° 30' 00" W	950 m
Grotte d'Andranomilitry (see Ihosy (commune rurale)), Ankily	Madagascar	22° 23' 07" S 46° 03' 23" E	950 m
Ihosy (commune rurale), Ankily (see also: Andranomilitry, cave, Grotte d'Andranomilitry)	Madagascar	22° 23' 07" S 46° 03' 23" E	950 m
Ishango River	Congo (Democratic Republic of the)	0° 08' 00" S 29° 36' 00" E	950 m
Ishango-Nyakazi	Congo (Democratic Republic of the)	0° 08' 00" S 29° 35' 00" E	950 m
Kallendu, 19 km N Labé (see also: Labé, 19 km N)	Guinea	11° 25' 55" N 12° 35' 38" W	950 m
Kombi stream, behind Reeder compound, Lire Payam	South Sudan	3° 55' 58" N 31° 36' 17" E	950 m
Kranskop, 32.5 km N, 12 km E (see Speedwell Mines)	South Africa	28° 40' 00" S 30° 59' 00" E	950 m
Labé, 19 km N (see Kallendu)	Guinea	11° 25' 55" N 12° 35' 38" W	950 m
Lonzo (see Loso)	Congo (Democratic Republic of the)	0° 08' 00" S 29° 36' 00" E	950 m
Losho (see Loso), near Tshango, Lake Edward	Congo (Democratic Republic of the)	0° 08' 00" S 29° 36' 00" E	950 m
Loso, near Tshango, Lake Edward (see also: Lonzo, Losho)	Congo (Democratic Republic of the)	0° 08' 00" S 29° 36' 00" E	950 m
Mai-ya-Moto (see May ya Moto)	Congo (Democratic Republic of the)	0° 14' 00" N 29° 43' 00" E	950 m
Makisabo (see also: Makisabu)	Congo (Democratic Republic of the)	0° 24' 00" N 29° 36' 00" E	950 m
Makisabu (see Makisabo)	Congo (Democratic Republic of the)	0° 24' 00" N 29° 36' 00" E	950 m

May ya Moto, Semliki valley (see also: Mai-ya-Moto, May ya Moto, sources chaudes, Moto, Mai ya, Moto, May a, Moto, May ya)	Congo (Democratic Republic of the)	0° 14' 00" N 29° 43' 00" E	950 m
May ya Moto, sources chaudes (see May ya Moto)	Congo (Democratic Republic of the)	0° 14' 00" N 29° 43' 00" E	950 m
Moto, Mai ya (see May ya Moto), Semliki valley	Congo (Democratic Republic of the)	0° 14' 00" N 29° 43' 00" E	950 m
Moto, May a (see May ya Moto), Semliki valley	Congo (Democratic Republic of the)	0° 14' 00" N 29° 43' 00" E	950 m
Moto, May ya (see May ya Moto), Semliki valley	Congo (Democratic Republic of the)	0° 14' 00" N 29° 43' 00" E	950 m
Senga, 15 mi [=24 km] S Walikale	Congo (Democratic Republic of the)	1° 39' 54" S 28° 07' 14" E	950 m
Speedwell Mines, 32.5 km N, 12 km E Kranskop (see also: Kranskop, 32.5 km N, 12 km E)	South Africa	28° 40' 00" S 30° 59' 00" E	950 m
Uduku (see also: Uduku Moke)	Congo (Democratic Republic of the)	4° 32' 00" N 29° 33' 00" E	950 m
Uduku Moke (see Uduku)	Congo (Democratic Republic of the)	4° 32' 00" N 29° 33' 00" E	950 m
Pweto	Congo (Democratic Republic of the)	8° 28' 00" S 28° 54' 00" E	951 m
Kongola ferry area (see also: Kongolo)	Namibia	17° 48' 00" S 23° 23' 00" E	952 m
Kongolo (see Kongola ferry area)	Namibia	17° 48' 00" S 23° 23' 00" E	952 m
Wudu Market	South Sudan	3° 50' 54" N 31° 39' 28" E	952 m
Mogiri Hill, NE of town	South Sudan	3° 56' 56" N 31° 36' 19" E	953 m
Kangapo One Payam, Saregoro Boma, Kalawa stream	South Sudan	3° 49' 59" N 31° 41' 05" E	954 m
Louis Trichardt Road, Polokwane [=Pietersburg], 40 - 46 km N (see also: Pietersburg, 40 - 46 km N, Polokwane, 40 - 46 km N)	South Africa	23° 03' 00" S 29° 54' 00" E	954 m
Pietersburg, 40 - 46 km N (see Louis Trichardt Road)	South Africa	23° 03' 00" S 29° 54' 00" E	954 m
Polokwane, 40 - 46 km N (see Louis Trichardt Road)	South Africa	23° 03' 00" S 29° 54' 00" E	954 m
Kajo-Keji County Health Department Headquarters	South Sudan	3° 51' 10" N 31° 39' 32" E	955 m
Farm Kudus Vlei, 60 km W Louis Trichard (see also: Kudus Vlei Farm, Louis Trichardt, 60 km W)	South Africa	23° 03' 14" S 29° 29' 14" E	956 m
Kudus Vlei Farm (see Farm Kudus Vlei)	South Africa	23° 03' 14" S 29° 29' 14" E	956 m
Louis Trichardt, 60 km W (see Farm Kudus Vlei)	South Africa	23° 03' 14" S 29° 29' 14" E	956 m
Sangwali, on Linyanti river	Namibia	18° 16' 00" S 23° 38' 00" E	956 m
Luberezi (see Luberizi)	Congo (Democratic Republic of the)	2° 59' 00" S 29° 06' 00" E	957 m
Luberizi (see also: Luberezi)	Congo (Democratic Republic of the)	2° 59' 00" S 29° 06' 00" E	957 m
Meski (see also: Mesky)	Morocco	31° 51' 19" N 4° 17' 17" W	957 m
Mesky (see Meski)	Morocco	31° 51' 19" N 4° 17' 17" W	957 m
Nokanen (see Nokaneng)	Botswana	19° 40' 00" S 22° 16' 00" E	957 m
Nokaneng (see also: Nokanen, Nokaning)	Botswana	19° 40' 00" S 22° 16' 00" E	957 m
Nokaning (see Nokaneng)	Botswana	19° 40' 00" S 22° 16' 00" E	957 m
Defilia oasis	Morocco	32° 09' 36" N 1° 22' 48" W	958 m
The Van Wyks Vlei Settlement Plan (see also: Van Wyksvlei, Van Wyksvlei Settlements)	South Africa	30° 18' 00" S 21° 50' 00" E	958 m
Tsau	Botswana	20° 09' 00" S 22° 27' 00" E	958 m
Van Wyksvlei (see The Van Wyks Vlei Settlement Plan)	South Africa	30° 18' 00" S 21° 50' 00" E	958 m
Van Wyksvlei Settlements (see The Van Wyks Vlei Settlement Plan)	South Africa	30° 18' 00" S 21° 50' 00" E	958 m
Vloorskop	Botswana	25° 55' 01" S 20° 52' 01" E	959 m
Kisanga	Congo (Democratic Republic of the)	0° 16' 00" N 29° 43' 00" E	960 m
Colleen Bawn	Zimbabwe	21° 00' 00" S 29° 13' 00" E	964 m
Gwanda (see also: Jawunda)	Zimbabwe	20° 56' 00" S 29° 00' 00" E	965 m
Jawunda (see Gwanda)	Zimbabwe	20° 56' 00" S 29° 00' 00" E	965 m
Kapushia	Congo (Democratic Republic of the)	10° 41' 00" S 22° 52' 00" E	965 m
Mualadze, Tete, 10 km N (see also: Mualadzi, Vila Gamito)	Mozambique	14° 09' 59" S 32° 59' 13" E	965 m
Mualadzi (see Mualadze), Tete, 10 km N	Mozambique	14° 09' 59" S 32° 59' 13" E	965 m
Vila Gamito (see Mualadze), Tete, 10 km N	Mozambique	14° 09' 59" S 32° 59' 13" E	965 m
Katatemwa, Kampala	Uganda	1° 05' 00" N 31° 09' 00" E	966 m
Winterton	South Africa	28° 48' 00" S 29° 32' 00" E	966 m

Senanga (see also: Senanza)	Zambia		16° 07' 00" S 23° 16' 00" E	967 m
Senanza (see Senanga)	Zambia		16° 07' 00" S 23° 16' 00" E	967 m
Mpapua (see Mpwapwa)	Tanzania		6° 21' 00" S 36° 29' 00" E	970 m
Mpapwa (see Mpwapwa)	Tanzania		6° 21' 00" S 36° 29' 00" E	970 m
Mpwapwa (see also: Mpapua, Mpapwa)	Tanzania		6° 21' 00" S 36° 29' 00" E	970 m
Canaveses (see Marco de Canavezes)	Angola		12° 59' 00" S 14° 22' 00" E	972 m
Marco de Canaveses	Angola		12° 59' 00" S 14° 22' 00" E	972 m
Marco de Canavezes (see also: Canaveses)	Angola		12° 59' 00" S 14° 22' 00" E	972 m
Luiana Camp	Angola		17° 23' 00" S 23° 00' 00" E	974 m
Junck (see Junok), 30 km NE Perinet	Madagascar		18° 48' 00" S 48° 40' 00" E	975 m
Junok, 30 km NE Perinet (see also: Junck, Périnet, 30 km NE)	Madagascar		18° 48' 00" S 48° 40' 00" E	975 m
Kampi Ya Samaki, 2 mi [=3.2 km] S	Kenya		0° 36' 00" N 36° 01' 00" E	975 m
Kap Kap Farm	South Africa		30° 15' 00" S 18° 26' 00" E	975 m
Katanda, Left bank Rutshuru river (see also: Katenda)	Congo (Democratic Republic of the)		0° 50' 54" S 29° 22' 08" E	975 m
Katenda (see Katanda), Left bank Rutshuru river	Congo (Democratic Republic of the)		0° 50' 54" S 29° 22' 08" E	975 m
Lesukut island	Kenya		0° 35' 30" N 36° 04' 53" E	975 m
Makindu river, 177 km E Nairobi (see also: Nairobi, 177 km E)	Kenya		2° 09' 25" S 37° 54' 25" E	975 m
Makindu, 35 km E	Kenya	ca.	2° 18' 00" S 37° 00' 00" E	975 m
Orrelgat cave, 6.6 km N, 5.8 km W Platbakkies (see also: Platbakkies, 6.6 km N, 5.8 km W, Witwater, 25 mi [=40 km] E)	South Africa		30° 15' 00" S 18° 26' 00" E	975 m
Périnet, 30 km NE (see Junok)	Madagascar		18° 48' 00" S 48° 40' 00" E	975 m
Platbakkies, 6.6 km N, 5.8 km W (see Orrelgat cave)	South Africa		30° 15' 00" S 18° 26' 00" E	975 m
Town Bush cave, 2 km N Pietermaritzburg (see also: Pietermaritzburg, 2 km N, Townbush Cave)	South Africa		29° 31' 00" S 30° 18' 00" E	975 m
Townbush Cave (see Town Bush cave), Pietermaritzburg	South Africa		29° 31' 00" S 30° 18' 00" E	975 m
Witwater, 25 mi [=40 km] E (see Orrelgat cave)	South Africa		30° 15' 00" S 18° 26' 00" E	975 m
Xugana	Botswana		19° 05' 00" S 23° 06' 00" E	975 m
Xugana, 13 mi [=21 km] N	Botswana		18° 57' 00" S 22° 52' 59" E	975 m
Koës	Namibia		25° 57' 00" S 19° 07' 00" E	976 m
Msosa (see Musosa)	Zambia		8° 23' 00" S 29° 38' 00" E	976 m
Musosa (see also: Msosa)	Zambia		8° 23' 00" S 29° 38' 00" E	976 m
Meiganda (see Meïganga)	Cameroon		6° 31' 00" N 14° 18' 00" E	978 m
Meïganga (see also: Meiganda)	Cameroon		6° 31' 00" N 14° 18' 00" E	978 m
Kilia Kaparata	Congo (Democratic Republic of the)		0° 23' 00" N 29° 36' 00" E	980 m
Mabu, mount (see also: Monte Mabu, Mount Mabu, Serra Mabu)	Mozambique		16° 16' 57" S 36° 22' 54" E	980 m
Monte Mabu (see Mabu, mount)	Mozambique		16° 16' 57" S 36° 22' 54" E	980 m
Mount Mabu forest camp	Mozambique		16° 16' 57" S 36° 22' 54" E	980 m
Serra Mabu (see Mabu, mount)	Mozambique		16° 16' 57" S 36° 22' 54" E	980 m
Aïn Draham (see Ayn ad Darahim)	Tunisia		36° 46' 38" N 8° 41' 33" E	982 m
Aïne Draham (see Ayn ad Darahim)	Tunisia		36° 46' 38" N 8° 41' 33" E	982 m
Ayn ad Darahim (see also: Aïn Draham, Aïne Draham)	Tunisia		36° 46' 38" N 8° 41' 33" E	982 m
Biso (see also: Bisu)	Uganda		1° 45' 23" N 31° 25' 15" E	982 m
Bisu (see Biso)	Uganda		1° 45' 23" N 31° 25' 15" E	982 m
Engaruka, near Ngorongoro Conservation area (see also: Engruka, Ngaruka)	Tanzania		2° 59' 00" S 35° 57' 00" E	982 m
Engruka (see Engaruka)	Tanzania		2° 59' 00" S 35° 57' 00" E	982 m
Ngaruka (see Engaruka)	Tanzania		2° 59' 00" S 35° 57' 00" E	982 m
Gaucha (see also: Geusha)	Namibia		17° 49' 00" S 22° 50' 00" E	983 m
Geusha (see Gaucha)	Namibia		17° 49' 00" S 22° 50' 00" E	983 m
Shakawe, Ngamiland	Botswana		18° 21' 00" S 21° 52' 00" E	983 m
Gurué, 2.9 km N, 8.9 km E (see Vila Junqueiro, 2.9 km N, 8.9 km E), cave adjacent to Mount Muresi	Mozambique		15° 24' 49" S 37° 04' 28" E	984 m
Keetmanshoop	Namibia		26° 35' 00" S 18° 08' 00" E	984 m
Vila Junqueiro, 2.9 km N, 8.9 km E, cave adjacent to Mount Muresi (see also: Gurué, 2.9 km N, 8.9 km E)	Mozambique		15° 24' 49" S 37° 04' 28" E	984 m
Bikita	Zimbabwe		20° 05' 00" S 31° 37' 00" E	986 m
Zalingei (see also: Zalinje)	Sudan		12° 54' 00" N 23° 29' 00" E	986 m

Zalinje (see Zalingei)	Sudan		12° 54' 00" N 23° 29' 00" E	986 m
Rudyard Cottage, Buzzard Mountain Retreat	South Africa		23° 01' 35" S 29° 46' 01" E	987 m
Bagunda	Congo (Democratic Republic of the)		4° 04' 00" N 29° 35' 00" E	990 m
Farm 455KQ (Randstephne) (see Farm Randstephne 455KQ)	South Africa		24° 36' 58" S 27° 39' 31" E	993 m
Farm Randstephne 455KQ (see also: Farm 455KQ (Randstephne), Randstephne, Farm 455KQ)	South Africa		24° 36' 58" S 27° 39' 31" E	993 m
Randstephne, Farm 455KQ (see Farm Randstephne 455KQ)	South Africa		24° 36' 58" S 27° 39' 31" E	993 m
Grotte de Rubindi (see Rubindi)	Burundi		4° 15' 37" S 29° 34' 31" E	997 m
Mandala	Malawi		15° 47' 00" S 34° 59' 00" E	997 m
Mohembo, Ngamiland	Botswana		18° 18' 00" S 21° 48' 00" E	997 m
Rubindi (see also: Grotte de Rubindi)	Burundi		4° 15' 37" S 29° 34' 31" E	997 m
Foley's Camp	Tanzania		3° 47' 52" S 36° 04' 08" E	999 m
Administration Camp	Malawi		12° 55' 00" S 33° 07' 00" E	1000 m
Amani, 8 km NWN (see Bulwa Tea Estate)	Tanzania		5° 00' 00" S 38° 38' 00" E	1000 m
Ambohitra, 5.5 km SW (see Parc National de la Montagne d'Ambre)	Madagascar		12° 31' 00" S 49° 10' 00" E	1000 m
Ambohitra, 6 km S (see also: Ambre, mount, Joffreville, 6 km S, Montagne d'Ambre (Parc National), Mount Ambre)	Madagascar		12° 37' 00" S 49° 09' 00" E	1000 m
Ambre mountain National Park (see Parc National de la Montagne d'Ambre), 5.5 km SW Joffreville [=Ambohitra]	Madagascar		12° 31' 00" S 49° 10' 00" E	1000 m
Ambre, mount (see Ambohitra, 6 km S), 6 km S Joffreville	Madagascar		12° 37' 00" S 49° 09' 00" E	1000 m
Azir River mouth	Ethiopia	ca.	10° 29' 00" N 36° 25' 00" E	1000 m
Beaufort West, 2 km NW (see Karoo National Park)	South Africa		32° 15' 00" S 22° 35' 00" E	1000 m
Bulwa Tea Estate, 8 km NWN Amani (see also: Amani, 8 km NWN)	Tanzania		5° 00' 00" S 38° 38' 00" E	1000 m
Ferncliff Nature Reserve	South Africa		29° 32' 00" S 30° 20' 00" E	1000 m
Ishasha Road, 0.5 km S	Uganda		0° 30' 00" S 29° 46' 00" E	1000 m
Isidenge Bosboustasie (see Isidenge Forest Station)	South Africa		32° 40' 22" S 27° 10' 14" E	1000 m
Isidenge Forest Station, 11.4 km S, 13.5 km W Stutterheim (see also: Isidenge Bosboustasie, Stutterheim, 11.4 km S, 13.5 km W;)	South Africa		32° 40' 22" S 27° 10' 14" E	1000 m
Joffreville, 5.5 km SW (see Parc National de la Montagne d'Ambre)	Madagascar		12° 31' 00" S 49° 10' 00" E	1000 m
Joffreville, 6 km S (see Ambohitra, 6 km S)	Madagascar		12° 37' 00" S 49° 09' 00" E	1000 m
Kapalasa Farm, 3 km N Namadzi village	Malawi		15° 31' 00" S 35° 11' 00" E	1000 m
Kapino dam, Kapina Estates	Malawi		15° 31' 00" S 35° 11' 00" E	1000 m
Karonga, 10 km W, Between Lupaso and Mwawemba, on road to Chitipa	Malawi		9° 57' 01" S 33° 50' 12" E	1000 m
Kasungu Game Reserve (see Kasungu National Park)	Malawi		12° 55' 00" S 33° 07' 00" E	1000 m
Kasungu National Park (see also: Kasungu Game Reserve)	Malawi		12° 55' 00" S 33° 07' 00" E	1000 m
Kuke pan (see also: Kuki)	Botswana		23° 19' 00" S 24° 27' 00" E	1000 m
Kuki (see Kuke pan)	Botswana		23° 19' 00" S 24° 27' 00" E	1000 m
Les Roussettes (see also: Station des Roussettes)	Madagascar		12° 31' 37" S 49° 10' 19" E	1000 m
Lisanthu	Malawi		13° 00' 00" S 33° 10' 00" E	1000 m
Lujeri Tea Estate, Mulanje Forest Res, edge Lujeri Tea Estate, next to Ruo River	Malawi		15° 57' 42" S 35° 39' 15" E	1000 m
Makindu, 19 km W	Kenya		2° 18' 00" S 37° 40' 37" E	1000 m
Mambabwanga Hill (see Batala's Village), 30 mi W Beni	Congo (Democratic Republic of the)		0° 30' 00" N 29° 15' 00" E	1000 m
Mamudioma	Congo (Democratic Republic of the)		0° 40' 00" N 29° 38' 00" E	1000 m
Manengouba mountains (see also: Manenguba mountains, Mont Manengouba, Mount Manengouba)	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	ca. 1000 m
Manenguba mountains (see Manengouba mountains)	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	ca. 1000 m
Manyangu Forest Reserve, 8 km N, 3 km W Mhonda (see also: Mhonda, 8 km N, 3 km W)	Tanzania		6° 02' 50" S 37° 32' 50" E	1000 m
Maschi river	Namibia		17° 47' 00" S 23° 20' 00" E	1000 m
Moera	Congo (Democratic Republic of the)		0° 39' 00" N 29° 30' 00" E	1000 m
Molindi river	Congo (Democratic Republic of the)		1° 09' 00" S 29° 19' 00" E	1000 m
Mont Manengouba (see Manengouba mountains)	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	1000 m

Montagne d'Ambre (Parc National) (see Ambohitra, 6 km S), 6 km S Joffreville	Madagascar		12° 37' 00" S 49° 09' 00" E	1000 m
Mount Ambre (see Ambohitra, 6 km S), 6 km S Joffreville	Madagascar		12° 37' 00" S 49° 09' 00" E	1000 m
Mount Ambre National Park (see Parc National de la Montagne d'Ambre), 5.5 km SW Joffreville [=Ambohitra]	Madagascar		12° 31' 00" S 49° 10' 00" E	1000 m
Mount Manengouba (see Manengouba mountains)	Cameroon	ca.	5° 00' 00" N 9° 50' 00" E	1000 m
Namutoni Rest Camp	Namibia		18° 49' 00" S 16° 58' 00" E	1000 m
Parc National de la Montagne d'Ambre, 5.5 km SW Joffreville [=Ambohitra] (see also: Ambohitra, 5.5 km SW, Ambre mountain National Park, Joffreville, 5.5 km SW, Mount Ambre National Park)	Madagascar		12° 31' 00" S 49° 10' 00" E	1000 m
Seronga, 72 km ESE	Botswana		19° 06' 00" S 21° 48' 00" E	1000 m
Somerville (mission)	South Africa		31° 12' 00" S 28° 39' 00" E	1000 m
Station des Roussettes (see Les Roussettes)	Madagascar		12° 31' 37" S 49° 10' 19" E	1000 m
Stutterheim, 11.4 km S, 13.5 km W; (see Isidenge Forest Station)	South Africa		32° 40' 22" S 27° 10' 14" E	1000 m
Vitanda	Malawi		12° 57' 00" S 33° 10' 00" E	1000 m
Warmbad, 2 mi [=3.2 km] E (see Warmbaths, 2 mi [=3.2 km] E)	South Africa		24° 53' 00" S 28° 17' 00" E	ca. 1000 m
Warmbaths, 2 mi [=3.2 km] E (see also: Warmbad, 2 mi [=3.2 km] E)	South Africa		24° 53' 00" S 28° 17' 00" E	ca. 1000 m

1001 - 1100 m:

Francistown	Botswana		21° 10' 00" S 27° 31' 00" E	1001 m
Khwai Lodge, 12.9 km W	Botswana		19° 07' 00" S 23° 35' 00" E	1005 m
Seronga, 116.5 km ESE	Botswana	ca.	19° 00' 00" S 23° 00' 00" E	1005 m
Gallabat, 30 mi [=48 km] SE (see Wahina)	Ethiopia		12° 30' 00" N 36° 30' 00" E	1006 m
Kampi Ya Samaki, near	Kenya		0° 37' 01" N 36° 01' 59" E	1006 m
Marigat, 15 mi [=24 km] N	Kenya		0° 37' 01" N 36° 01' 59" E	1006 m
Matahara (see Metahara), Awash river	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Matahara, 1 km W (see Metahara, 1 km W)	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Metahara, Awash river (see also: Matahara, Metehara)	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Metahara, 1 km W (see also: Matahara, 1 km W, Metehara, 1 km W)	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Metehara (see Metahara), Awash river	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Metehara, 1 km W (see Metahara, 1 km W)	Ethiopia		8° 54' 00" N 39° 55' 00" E	1006 m
Nababeep Wes Mine	South Africa		29° 35' 24" S 17° 45' 16" E	1006 m
Pajule	Uganda		2° 56' 23" N 32° 56' 38" E	1006 m
Sigor, 2 mi [=3.2 km] S, Weie-Wei river	Kenya	ca.	1° 28' 00" N 35° 28' 00" E	1006 m
Wahina, 30 mi [=45 km] SE Metemma (see also: Gallabat, 30 mi [=48 km] SE, Matama, 30 mi [=48 km] SE, Metema, 30 mi [=48 km] SE)	Ethiopia		12° 30' 00" N 36° 30' 00" E	1006 m
Bunkeya (see also: Bunkeye)	Congo (Democratic Republic of the)		10° 24' 00" S 26° 58' 00" E	1008 m
Bunkeye (see Bunkeya)	Congo (Democratic Republic of the)		10° 24' 00" S 26° 58' 00" E	1008 m
Mongu (see also: Mungu)	Zambia		15° 15' 00" S 23° 08' 00" E	1009 m
Mungu (see Mongu)	Zambia		15° 15' 00" S 23° 08' 00" E	1009 m
Katshungu	Congo (Democratic Republic of the)		2° 27' 00" S 27° 23' 00" E	1013 m
Moca (see also: Moka)	Equatorial Guinea		3° 20' 00" N 8° 40' 00" E	1013 m
Moka (see Moca)	Equatorial Guinea		3° 20' 00" N 8° 40' 00" E	1013 m
Chipinga (see Chipinge)	Zimbabwe		20° 12' 00" S 32° 37' 00" E	1015 m
Chipinge (see also: Chipinga)	Zimbabwe		20° 12' 00" S 32° 37' 00" E	1015 m
Greytown	South Africa		29° 06' 36" S 30° 36' 36" E	1015 m
Limalunga (see also: Limulunga)	Zambia		15° 09' 00" S 23° 10' 00" E	1015 m
Limulunga (see Limalunga)	Zambia		15° 09' 00" S 23° 10' 00" E	1015 m
Mayo, 20 km W Nelspruit (see also: Nelspruit, 20 km W)	South Africa		25° 22' 12" S 30° 44' 24" E	1015 m
Nelspruit, 20 km W (see Mayo)	South Africa		25° 22' 12" S 30° 44' 24" E	1015 m
Kalabo	Zambia		14° 58' 00" S 22° 41' 00" E	1019 m
Cibitoke	Burundi		2° 53' 13" S 29° 07' 29" E	1020 m
Farm 111 (Geduld) (see Farm Geduld 111)	Namibia		20° 17' 49" S 15° 49' 57" E	1020 m
Farm Geduld 111, 21.1 km S, 33.3 km W Outjo (see also: Farm 111 (Geduld), Geduld, Farm 111, Outjo, 21.1 km S, 33.3 km W)	Namibia		20° 17' 49" S 15° 49' 57" E	1020 m
Geduld, Farm 111 (see Farm Geduld 111)	Namibia		20° 17' 49" S 15° 49' 57" E	1020 m

Kwango	Congo (Democratic Republic of the)		6° 28' 14" S 17° 26' 55" E	1020 m
Ngoma	Zambia		15° 52' 35" S 25° 59' 21" E	1020 m
Nyangana	Namibia		18° 00' 00" S 20° 41' 00" E	1020 m
Outjo, 21.1 km S, 33.3 km W (see Farm Geduld 111)	Namibia		20° 17' 49" S 15° 49' 57" E	1020 m
Tembwe village	Zambia		11° 21' 41" S 32° 53' 16" E	1020 m
Catarata Roacana (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	1021 m
Catarata Ruacaná (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	1021 m
Cataratas de Ruacaná (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	1021 m
Cunene Falls	Namibia			1021 m
Cunene Falls (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	1021 m
Quedas do Ruacaná (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	1021 m
Roacana, Catarata (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	1021 m
Ruacana Falls (see also: Catarata Roacana, Catarata Ruacaná, Cataratas de Ruacaná, Cunene Falls, Quedas do Ruacaná, Roacana, Catarata, Ruacaná, Catarata, Ruacaná, Cataratas de, Ruacaná, Quedas do)	Namibia		17° 23' 00" S 14° 12' 00" E	1021 m
Ruacaná, Catarata (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	1021 m
Ruacaná, Cataratas de (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	1021 m
Ruacaná, Quedas do (see Ruacana Falls)	Namibia		17° 23' 00" S 14° 12' 00" E	1021 m
Diwai	Namibia		18° 07' 00" S 21° 37' 00" E	1022 m
Mari (see Mere)	South Sudan		3° 53' 06" N 31° 40' 14" E	1022 m
Mere, (government offices) (see also: Mari)	South Sudan		3° 53' 06" N 31° 40' 14" E	1022 m
Lilongwe	Malawi		13° 59' 00" S 33° 47' 00" E	1024 m
Mogiri, Reeder family compound, Lire Payam	South Sudan		3° 56' 09" N 31° 36' 29" E	1024 m
Mongu N.R., 10 mi [=16 km] N	Zambia		15° 06' 00" S 23° 09' 00" E	1024 m
Motusi Village (see Seruli)	Botswana		22° 17' 00" S 27° 23' 00" E	1026 m
Seruli (see also: Motusi Village)	Botswana		22° 17' 00" S 27° 23' 00" E	1026 m
Sikongo, Barotseland	Zambia		15° 01' 00" S 22° 10' 00" E	1026 m
Kabompo (see also: Kabompo Boma, Kapombo Boma)	Zambia		13° 36' 00" S 24° 12' 00" E	1027 m
Kabompo Boma (see Kabompo)	Zambia		13° 36' 00" S 24° 12' 00" E	1027 m
Kapombo Boma (see Kabompo)	Zambia		13° 36' 00" S 24° 12' 00" E	1027 m
Namadzi village, 3 km N	Malawi		15° 38' 00" S 35° 10' 00" E	1027 m
Ruindi (see Rwindi)	Congo (Democratic Republic of the)		0° 47' 05" S 29° 17' 26" E	1027 m
Rwindi (see also: Ruindi)	Congo (Democratic Republic of the)		0° 47' 05" S 29° 17' 26" E	1027 m
Etoscha-Pfanne (see Etosha Pan)	Namibia		18° 50' 00" S 16° 20' 00" E	1028 m
Etosha Pan (see also: Etoscha-Pfanne)	Namibia		18° 50' 00" S 16° 20' 00" E	1028 m
Sililo	Zambia		14° 16' 00" S 22° 29' 00" E	1028 m
Oueleba	Guinea		8° 35' 38" N 8° 53' 47" W	1029 m
Jolohafiri (see Yolokafiri)	Congo (Democratic Republic of the)		1° 20' 00" N 29° 50' 00" E	1030 m
Marigat, near, Perakera River	Kenya	ca.	0° 28' 00" N 35° 59' 00" E	1030 m
Ondongera	Namibia			1030 m
Sigor, 1.5 km S, 1.5 km E (see Weiwei River Bridge)	Kenya		1° 29' 00" N 35° 29' 00" E	1030 m
Weiwei River Bridge, 1.5 km S, 1.5 km E Sigor (see also: Sigor, 1.5 km S, 1.5 km E)	Kenya		1° 29' 00" N 35° 29' 00" E	1030 m
Yolokafiri, near Mount Hoyo (see also: Jolohafiri)	Congo (Democratic Republic of the)		1° 20' 00" N 29° 50' 00" E	1030 m
Bwentale Camp, below (see also: Bwambara, 8 km N)	Uganda		0° 33' 00" S 29° 52' 12" E	1031 m
Merrivale	South Africa		29° 31' 00" S 30° 14' 00" E	1031 m
Mwela	Tanzania		7° 46' 00" S 31° 40' 00" E	1031 m
Ukualuisi	Namibia		17° 32' 00" S 14° 37' 00" E	1033 m
Bur 'ó (see Burco)	Somalia		9° 31' 00" N 45° 32' 00" E	1034 m
Burao (see Burco)	Somalia		9° 31' 00" N 45° 32' 00" E	1034 m
Burco (see also: Bur 'ó, Burao)	Somalia		9° 31' 00" N 45° 32' 00" E	1034 m
Klein Namutoni (waterholes) (see also: Sandup)	Namibia		18° 49' 00" S 16° 57' 00" E	1036 m
Marigat, Perakera River (see also: Maragat, Maragut)	Kenya		0° 28' 00" N 35° 59' 00" E	1036 m
Ngambo, Mole river	Kenya		0° 30' 00" N 36° 04' 00" E	1036 m
Odzi	Zimbabwe		18° 58' 00" S 32° 23' 00" E	1036 m
Otjumbumbi, N.W. Ovamboland, 15 mi above Cunene Falls, Cunene river	Namibia		17° 24' 00" S 14° 25' 00" E	1036 m
Rehoboth Mission Station, 32 mi [=51.5 km] NW (see Ukualukasi)	Namibia		17° 32' 00" S 14° 37' 00" E	1036 m
Sandup (see Klein Namutoni (waterholes))	Namibia		18° 49' 00" S 16° 57' 00" E	1036 m

Ukualukasi, 32 mi NW Rehoboth Mission Station (see also: Rehoboth Mission Station, 32 mi [=51.5 km] NW)	Namibia	17° 32' 00" S 14° 37' 00" E	1036 m
Diyogha	Namibia	18° 05' 00" S 21° 28' 00" E	1037 m
Azrou	Morocco	34° 31' 14" N 4° 20' 41" W	1039 m
Kitutu	Congo (Democratic Republic of the)	3° 17' 14" S 28° 05' 08" E	1040 m
Nsadzu	Zambia	14° 04' 00" S 32° 20' 00" E	1040 m
Metu (see also: Metu Rest Camp)	Uganda	3° 39' 13" N 31° 48' 05" E	1043 m
Metu Rest Camp (see Metu)	Uganda	3° 39' 13" N 31° 48' 05" E	1043 m
Bouar (see also: Buar)	Central African Republic	5° 57' 00" N 15° 36' 00" E	1046 m
Buar (see Bouar)	Central African Republic	5° 57' 00" N 15° 36' 00" E	1046 m
Kasindi (see also: Kasindi Vieux, Kasindi-port, Old Kasindi)	Congo (Democratic Republic of the)	0° 02' 10" S 29° 42' 49" E	1049 m
Kasindi Vieux (see Kasindi)	Congo (Democratic Republic of the)	0° 02' 10" S 29° 42' 49" E	1049 m
Kasindi-port (see Kasindi)	Congo (Democratic Republic of the)	0° 02' 10" S 29° 42' 49" E	1049 m
Old Kasindi (see Kasindi)	Congo (Democratic Republic of the)	0° 02' 10" S 29° 42' 49" E	1049 m
Buéa, near	Cameroon	4° 09' 00" N 9° 12' 00" E	1050 m
Farm Groedehoop, 11 km S, 11 km E Vryheid (see also: Groedehoop, Farm, Vryheid, 11 km S, 11 km E)	South Africa	27° 52' 00" S 30° 55' 00" E	1050 m
Groedehoop, Farm (see Farm Groedehoop)	South Africa	27° 52' 00" S 30° 55' 00" E	1050 m
Lifupa Camp (see also: Lifupa Game Camp)	Malawi	13° 03' 00" S 33° 09' 00" E	1050 m
Lifupa Game Camp (see Lifupa Camp)	Malawi	13° 03' 00" S 33° 09' 00" E	1050 m
Lingadzi River Valley	Malawi	13° 00' 00" S 33° 09' 00" E	1050 m
Ololkisalie National Park (see Olorgasailie)	Kenya	1° 34' 00" S 36° 27' 00" E	1050 m
Ololkisalie Royal National Park (see Olorgasailie)	Kenya	1° 34' 00" S 36° 27' 00" E	1050 m
Olorgasailie (see also: Ololkisalie National Park, Ololkisalie Royal National Park, Olorgasailie National Monument, Olorgesailie Pre-historic Site, Olorgesaille Royal National Park)	Kenya	1° 34' 00" S 36° 27' 00" E	1050 m
Olorgasailie National Monument (see Olorgasailie)	Kenya	1° 34' 00" S 36° 27' 00" E	1050 m
Olorgesailie Pre-historic Site (see Olorgasailie)	Kenya	1° 34' 00" S 36° 27' 00" E	1050 m
Olorgesaille Royal National Park (see Olorgasailie)	Kenya	1° 34' 00" S 36° 27' 00" E	1050 m
Tshambi	Congo (Democratic Republic of the)	0° 44' 00" S 29° 14' 00" E	1050 m
Vryheid, 11 km S, 11 km E (see Farm Groedehoop)	South Africa	27° 52' 00" S 30° 55' 00" E	1050 m
Chitau	Zambia	13° 05' 00" S 22° 43' 00" E	1052 m
Cassai (see also: Cassai Sul, Tonga)	Angola	10° 35' 00" S 21° 58' 00" E	1053 m
Cassai Sul (see Cassai)	Angola	10° 35' 00" S 21° 58' 00" E	1053 m
Tonga (see Cassai)	Angola	10° 35' 00" S 21° 58' 00" E	1053 m
Kampi ya Samalei (see Kampi Ya Samaki)	Kenya	0° 36' 00" N 36° 01' 00" E	1054 m
Kornpuosamaki (see Kampi Ya Samaki)	Kenya	0° 36' 00" N 36° 01' 00" E	1054 m
Naragat, 15 mi [=24 km] N (see Kampi Ya Samaki)	Kenya	0° 36' 00" N 36° 01' 00" E	1054 m
Sihole	Zambia	15° 21' 00" S 22° 33' 00" E	1054 m
Tembwe	Congo (Democratic Republic of the)	6° 30' 00" S 29° 22' 00" E	1055 m
Afdam (see Afdem)	Ethiopia	9° 28' 00" N 41° 00' 00" E	1056 m
Afdem (see also: Afdam, Afdem)	Ethiopia	9° 28' 00" N 41° 00' 00" E	1056 m
Afdem (see Afdem)	Ethiopia	9° 28' 00" N 41° 00' 00" E	1056 m
Lethlakeng, Tshana (see also: Lethlaking)	Botswana	24° 05' 00" S 25° 03' 00" E	1056 m
Lethlaking (see Lethlakeng), Tshana	Botswana	24° 05' 00" S 25° 03' 00" E	1056 m
Badplaas (see also: Badplaats, Die Bad)	South Africa	25° 57' 10" S 30° 34' 00" E	1058 m
Badplaats (see Badplaas)	South Africa	25° 57' 10" S 30° 34' 00" E	1058 m
Die Bad (see Badplaas)	South Africa	25° 57' 10" S 30° 34' 00" E	1058 m
Azigza cave (see Kef Azigza cave)	Morocco	32° 02' 00" N 3° 47' 00" W	1060 m
Grotte d'Azigza (see Kef Azigza cave)	Morocco	32° 02' 00" N 3° 47' 00" W	1060 m
Grotte de Kef Aziza (see Kef Azigza cave)	Morocco	32° 02' 00" N 3° 47' 00" W	1060 m
Kef Azigza cave, Oued Guir (see also: Azigza cave, Grotte d'Azigza, Grotte de Kef Aziza, Kef Aziza cave)	Morocco	32° 02' 00" N 3° 47' 00" W	1060 m
Kef Aziza cave (see Kef Azigza cave)	Morocco	32° 02' 00" N 3° 47' 00" W	1060 m
Mbuya Mingi Campsite, near	Tanzania	3° 50' 25" S 36° 00' 20" E	1060 m

Dosa	Namibia		18° 13' 00" S 20° 51' 00" E	1061 m
Inimvua	Congo (Democratic Republic of the)		4° 35' 00" N 29° 43' 00" E	1061 m
Ishasha, 5 km E	Uganda		0° 40' 48" S 29° 40' 12" E	1062 m
Maragat (see Marigat), Perakera River	Kenya		0° 28' 00" N 35° 59' 00" E	1062 m
Maragut (see Marigat), Perakera River	Kenya		0° 28' 00" N 35° 59' 00" E	1062 m
Dilõlo (see Luacano)	Angola		11° 13' 30" S 21° 39' 43" E	1063 m
Lago Dilõlo (see Luacano)	Angola		11° 13' 30" S 21° 39' 43" E	1063 m
Luacano (see also: Dilõlo, Lago Dilõlo, Luakanu, Lucano)	Angola		11° 13' 30" S 21° 39' 43" E	1063 m
Luakanu (see Luacano)	Angola		11° 13' 30" S 21° 39' 43" E	1063 m
Lucano (see Luacano)	Angola		11° 13' 30" S 21° 39' 43" E	1063 m
Chimsoro Cave (see Munyati)	Zimbabwe		18° 39' 00" S 29° 47' 00" E	1064 m
Munyati (see also: Chimsoro Cave, Rhino Cave, Sanyati)	Zimbabwe		18° 39' 00" S 29° 47' 00" E	1064 m
Rhino Cave (see Munyati)	Zimbabwe		18° 39' 00" S 29° 47' 00" E	1064 m
Sanyati (see Munyati)	Zimbabwe		18° 39' 00" S 29° 47' 00" E	1064 m
Blantyre (see also: Kapeni)	Malawi		15° 47' 00" S 35° 00' 00" E	1065 m
Kapeni (see Blantyre)	Malawi		15° 47' 00" S 35° 00' 00" E	1065 m
Sweetwaters, Pietermartizburg	South Africa		29° 14' 00" S 30° 37' 00" E	1065 m
Ami river	Kenya		2° 59' 00" S 38° 28' 00" E	1067 m
Bogoria, 3 mi [=4.8 km] W Lake	Kenya		0° 16' 01" N 36° 04' 01" E	1067 m
Bukorwe Ridge	Uganda		0° 44' 00" S 29° 40' 00" E	1067 m
Ekona, Chop farm (see also: Ekowa)	Cameroon		4° 15' 00" N 9° 19' 00" E	1067 m
Ekowa (see Ekona)	Cameroon		4° 15' 00" N 9° 19' 00" E	1067 m
Grotte de Matupi (see Matupi cave)	Congo (Democratic Republic of the)		1° 16' 12" N 29° 54' 36" E	1067 m
Gwando	Cameroon		4° 09' 00" N 9° 12' 00" E	1067 m
Hunter's Lodge (see also: Nairobi - Mombasa road, 150 km along)	Kenya		2° 12' 41" S 37° 42' 55" E	1067 m
Katire (see Katiri)	South Sudan		4° 02' 32" N 32° 47' 52" E	1067 m
Katiri, 35 mi SSE Torit (see also: Katire, Torit, 35 mi [=56 km] SSE)	South Sudan		4° 02' 32" N 32° 47' 52" E	1067 m
Kibwezi, 30 mi [=48 km] NNE	Kenya	ca.	2° 02' 26" S 38° 11' 12" E	1067 m
Kibwezi, near	Kenya	ca.	2° 25' 00" S 37° 58' 00" E	ca. 1067 m
Kigoma, near, near Lake Tanagyika	Tanzania		4° 53' 00" S 29° 38' 00" E	1067 m
Maji Moto, 3 mi [=4.8 km] W (see Maji Ya Moto, 3 mi [=4.8 km] W)	Kenya	ca.	0° 16' 00" N 36° 03' 00" E	1067 m
Matupi cave (see also: Grotte de Matupi, Matupi grot)	Congo (Democratic Republic of the)		1° 16' 12" N 29° 54' 36" E	1067 m
Matupi grot (see Matupi cave)	Congo (Democratic Republic of the)		1° 16' 12" N 29° 54' 36" E	1067 m
Molo river	Kenya		0° 32' 00" N 36° 05' 00" E	1067 m
Murchison Falls	Uganda		2° 17' 00" N 31° 41' 00" E	1067 m
Vygeboom Dam, Albert Luthuli Municipality, Kafferskraal 618 JT	South Africa		25° 52' 09" S 30° 35' 40" E	1067 m
Kampala	Congo (Democratic Republic of the)		2° 12' 00" S 27° 45' 00" E	1068 m
Dilolo (see also: Dilolo station, Dilolo, poste, Kayombe)	Congo (Democratic Republic of the)		10° 28' 00" S 22° 28' 00" E	1069 m
Dilolo station (see Dilolo)	Congo (Democratic Republic of the)		10° 28' 00" S 22° 28' 00" E	1069 m
Dilolo, poste (see Dilolo)	Congo (Democratic Republic of the)		10° 28' 00" S 22° 28' 00" E	1069 m
Gam	Namibia		20° 14' 00" S 20° 45' 00" E	1069 m
Kayombe (see Dilolo)	Congo (Democratic Republic of the)		10° 28' 00" S 22° 28' 00" E	1069 m
Bindura (see also: Bindura Town, Kimberley Reefs)	Zimbabwe		17° 17' 47" S 31° 19' 47" E	1070 m
Bindura Town (see Bindura)	Zimbabwe		17° 17' 47" S 31° 19' 47" E	1070 m
Busingiro area (see also: Busingiro Camp Site)	Uganda		1° 42' 54" N 31° 28' 12" E	1070 m
Busingiro Camp Site (see Busingiro area)	Uganda		1° 42' 54" N 31° 28' 12" E	1070 m
Kimberley Reefs (see Bindura)	Zimbabwe		17° 17' 47" S 31° 19' 47" E	1070 m
Makendo (see Makindu)	Kenya		2° 17' 00" S 37° 49' 00" E	1070 m
Makindu (see also: Makendo)	Kenya		2° 17' 00" S 37° 49' 00" E	1070 m
Makindu cave	Kenya		2° 17' 00" S 37° 49' 00" E	1070 m
World's View, Pietermartizburg	South Africa		29° 36' 00" S 30° 30' 00" E	1070 m
Kigumba, Bunyoro	Uganda		1° 48' 18" N 32° 00' 42" E	1071 m
Ngongera (see also: Ngongera, Pope Pius X Seminary)	Uganda		0° 46' 00" N 34° 02' 00" E	1071 m

Ngongera (see Ngongera)	Uganda	0° 46' 00" N 34° 02' 00" E	1071 m
Pope Pius X Seminary (see Ngongera), 22 km W Tororo, Bukedi	Uganda	0° 46' 00" N 34° 02' 00" E	1071 m
Dose, 2 km S (see Dumushe water)	Namibia	18° 14' 00" S 20° 52' 00" E	1072 m
Dumushe water, 2 km S Dose (see also: Dose, 2 km S)	Namibia	18° 14' 00" S 20° 52' 00" E	1072 m
Lembeni	Tanzania	3° 47' 00" S 37° 37' 00" E	1072 m
Onguma	Namibia	17° 54' 00" S 16° 07' 00" E	1073 m
Okatana (see Oshakati), Onimuandi, 12 km S	Namibia	17° 47' 00" S 15° 41' 00" E	1074 m
Onimuandi, 12 km S (see Oshakati)	Namibia	17° 47' 00" S 15° 41' 00" E	1074 m
Oshakati, Onimuandi, 12 km S (see also: Okatana, Onimuandi, 12 km S)	Namibia	17° 47' 00" S 15° 41' 00" E	1074 m
Saranda (see also: Savanda)	Tanzania	5° 43' 00" S 34° 59' 00" E	1074 m
Savanda (see Saranda)	Tanzania	5° 43' 00" S 34° 59' 00" E	1074 m
Gulu	Uganda	2° 46' 00" N 32° 18' 20" E	1077 m
Nyasoso (see Nyassosso)	Cameroon	4° 49' 42" N 9° 40' 55" E	1078 m
Nyassosso (see also: Nyasoso)	Cameroon	4° 49' 42" N 9° 40' 55" E	1078 m
Murukiron, 50 mi [=80 km] E Torit (see also: Murukurun, Torit, 50 mi [=80 km] E)	South Sudan	4° 20' 00" N 33° 20' 00" E	1080 m
Murukurun (see Murukiron), 50 mi [=80 km] E Torit	South Sudan	4° 20' 00" N 33° 20' 00" E	1080 m
Okavango-Omataka river junction	Namibia	17° 57' 10" S 20° 28' 20" E	1080 m
Ondangua (see Ondangwa)	Namibia	17° 55' 00" S 15° 57' 00" E	1080 m
Ondangwa (see also: Ondangua, Ondonga, Ondongwa)	Namibia	17° 55' 00" S 15° 57' 00" E	1080 m
Ondonga (see Ondangwa)	Namibia	17° 55' 00" S 15° 57' 00" E	1080 m
Ondongwa (see Ondangwa)	Namibia	17° 55' 00" S 15° 57' 00" E	1080 m
Sétif	Algeria	36° 13' 00" N 5° 25' 00" E	1080 m
Torit, 50 mi [=80 km] E (see Murukiron)	South Sudan	4° 20' 00" N 33° 20' 00" E	1080 m
Aïn Sefra (see also: Aïne Sefra)	Algeria	32° 45' 00" N 0° 35' 00" W	1081 m
Aïne Sefra (see Aïn Sefra)	Algeria	32° 45' 00" N 0° 35' 00" W	1081 m
Ncheu (see Ntcheu), district HQ	Malawi	14° 49' 00" S 34° 38' 00" E	1081 m
Nitcheu (see Ntcheu), district HQ	Malawi	14° 49' 00" S 34° 38' 00" E	1081 m
Ntcheu, district HQ (see also: Ncheu, Nitcheu)	Malawi	14° 49' 00" S 34° 38' 00" E	1081 m
Brits	South Africa	25° 38' 00" S 27° 47' 00" E	1083 m
Mulanda, 12 mi [=19 km] W Tororo (see also: Tororo, 12 mi [=19 km] W)	Uganda	0° 40' 53" N 34° 00' 27" E	1085 m
Serere	Uganda	1° 29' 39" N 33° 27' 19" E	1085 m
Tororo, 12 mi [=19 km] W (see Mulanda)	Uganda	0° 40' 53" N 34° 00' 27" E	1085 m
Lajuma (see also: Lajuma bridge, Lajuma Forest Lodge, Lajuma wetland, Lajuma Wilderness Camp)	South Africa	23° 02' 18" S 29° 26' 34" E	1086 m
Lajuma Forest Lodge (see Lajuma)	South Africa	23° 02' 18" S 29° 26' 34" E	1086 m
Lajuma Wilderness Camp (see Lajuma)	South Africa	23° 02' 18" S 29° 26' 34" E	1086 m
Mongu, 70 km NE (see Ndanda)	Zambia	14° 58' 00" S 23° 45' 00" E	1086 m
Ndanda, 70 km NE Mongu (see also: Mongu, 70 km NE, Ndanda Dambo)	Zambia	14° 58' 00" S 23° 45' 00" E	1086 m
Ndanda Dambo (see Ndanda), 70 km NE Mongu	Zambia	14° 58' 00" S 23° 45' 00" E	1086 m
Buxton mine (see Norlim mine), 16 km SW Taung	South Africa	27° 37' 00" S 24° 38' 00" E	1087 m
Kasaji	Congo (Democratic Republic of the)	10° 22' 00" S 23° 27' 00" E	1087 m
Norlim mine (see Norlim mine), 16 km SW Taung (see also: Buxton mine, Norlim mine, Taung, 16 km SW)	South Africa	27° 37' 00" S 24° 38' 00" E	1087 m
Taung, 16 km SW (see Norlim mine)	South Africa	27° 37' 00" S 24° 38' 00" E	1087 m
Sunnyside Suburb	Malawi	15° 48' 00" S 35° 00' 00" E	1088 m
Lesetlheng	South Africa	25° 09' 26" S 27° 07' 34" E	1089 m
Balovale (see Zambezi)	Zambia	13° 33' 00" S 23° 07' 00" E	1090 m
Chipongwe (see also: Chipongwe West)	Zambia	15° 39' 00" S 28° 16' 00" E	1090 m
Chipongwe West (see Chipongwe)	Zambia	15° 39' 00" S 28° 16' 00" E	1090 m
Likhubula Camp, 1.5 km E	Malawi	15° 56' 17" S 35° 30' 50" E	1090 m
Zambezi (see also: Balovale)	Zambia	13° 33' 00" S 23° 07' 00" E	1090 m
Maramagambo Forest Reserve South	Uganda	0° 30' 00" S 29° 55' 12" E	1092 m
Namutoni	Namibia	18° 48' 00" S 16° 59' 00" E	1092 m
Chingi, Chavuma, near	Zambia	13° 01' 00" S 22° 44' 00" E	1094 m
Mutare (see also: Mutare Asbestos Mine, No 2 Adit, Nyautare, Old Mine Adit, Old Umtali, Umtali, Umtali Mine adit, Umtali Old mine)	Zimbabwe	18° 58' 29" S 32° 39' 20" E	1094 m
No 2 Adit (see Mutare)	Zimbabwe	18° 58' 29" S 32° 39' 20" E	1094 m
Nyautare (see Mutare)	Zimbabwe	18° 58' 29" S 32° 39' 20" E	1094 m

Old Mine Adit (see Mutare), Umtali	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
Old Umtali (see Mutare)	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
Spioenkop Dam, Mabamnyama Staff House	South Africa		28° 40' 40" S 29° 30' 35" E	1094 m
Spioenkop Nature Reserve	South Africa		28° 42' 00" S 29° 15' 00" E	1094 m
Umtali (see Mutare)	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
Umtali Old mine (see Mutare), Umtali	Zimbabwe		18° 58' 29" S 32° 39' 20" E	1094 m
Amuria	Uganda		2° 00' 13" N 33° 39' 04" E	1096 m
Calvinia, 54 mi [=87 km] E (see Farm Gouna)	South Africa		31° 32' 16" S 203° 29' 09" E	1097 m
Farm Gouna (see Farm Visagierus), Williston, SW (see also: Calvinia, 54 mi [=87 km] E, Williston, 18.2 km S, 38.7 km W)	South Africa		31° 32' 16" S 29° 09' 00" E	1097 m
Farm Visagierus, Williston, SW (see also: Farm Gouna, Gouna, Farm, Visagiesrus, Farm)	South Africa		31° 31' 00" S 20° 30' 00" E	1097 m
Gouna, Farm (see Farm Visagierus), Williston, SW	South Africa		31° 31' 00" S 20° 30' 00" E	1097 m
Visagiesrus, Farm (see Farm Visagierus), Williston, SW	South Africa		31° 31' 00" S 20° 30' 00" E	1097 m
Williston, 18.2 km S, 38.7 km W (see Farm Gouna)	South Africa		31° 32' 16" S 203° 29' 09" E	1097 m
Mongiro	Uganda		0° 50' 00" N 30° 10' 00" E	1098 m
Warmbad (see Warmbaths)	South Africa		24° 53' 00" S 28° 17' 00" E	1098 m
Warmbaths (see also: Warmbad)	South Africa		24° 53' 00" S 28° 17' 00" E	1098 m
Lufupa Camp [Site 2]	Zambia		14° 36' 56" S 26° 11' 27" E	1099 m
Oshikanga (see Oshikango)	Namibia		17° 24' 00" S 15° 53' 00" E	1099 m
Oshikango (see also: Oshikanga)	Namibia		17° 24' 00" S 15° 53' 00" E	1099 m
Abimva	Congo (Democratic Republic of the)		3° 09' 00" N 29° 46' 00" E	1100 m
Blou-Bok Draai, Etosha, 4 km S, 2 km E Namutoni (see also: Namutoni, 4 km S, 2 km E)	Namibia		18° 56' 00" S 18° 49' 00" E	1100 m
Bombo, 5.5 km S (see Kanza village, near)	Tanzania		4° 19' 12" S 38° 00' 00" E	1100 m
Bombo, 7 km S	Tanzania		4° 19' 48" S 38° 00' 00" E	1100 m
Bombo, 8 km S (see Lugulu village, near)	Tanzania		4° 19' 48" S 38° 00' 00" E	1100 m
Camp II	Cameroon	ca.	4° 47' 00" N 9° 43' 00" E	1100 m
Cascade Sahanalaotra, near, just outside PN de Ranomafana (see also: Sahanalaotra falls, near)	Madagascar		21° 14' 15" S 47° 23' 52" E	1100 m
Chefchaouen, 5 km E (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Djelube river, middle	Congo (Democratic Republic of the)		0° 31' 00" N 29° 44' 00" E	1100 m
Eloffshoek, Farm (see Farm Eloffshoek)	South Africa		31° 53' 42" S 23° 36' 52" E	1100 m
Farm Eloffshoek, 7.5 km N, 14.1 km W Murraysburg (see also: Eloffshoek, Farm, Murraysburg, 7.5 km N, 14.1 km W)	South Africa		31° 53' 42" S 23° 36' 52" E	1100 m
Farm Geduld 111, 18.9 km S, 35.1 km W Outjo (see also: Outjo, 18.9 km S, 35.1 km W)	Namibia		20° 16' 37" S 15° 48' 53" E	1100 m
Halali, 16 km N, 58 km S Okaukuejo (see also: Halali Camp, Halali Rest Camp, Halali Ruskamp)	Namibia		19° 02' 00" S 16° 28' 00" E	1100 m
Halali Camp (see Halali), 16 km N, 58 km S Okaukuejo	Namibia		19° 02' 00" S 16° 28' 00" E	1100 m
Halali Rest Camp (see Halali), 16 km N, 58 km S Okaukuejo	Namibia		19° 02' 00" S 16° 28' 00" E	1100 m
Hester Malan Nature Reserve (see Hester Malan Veldblomreservaat)	South Africa		29° 40' 00" S 18° 02' 00" E	1100 m
Hester Malan Veldblomreservaat (see also: Hester Malan Nature Reserve, Hester Malan Wild Flower Reserve, Springbok, 10.0 km E)	South Africa		29° 39' 00" S 17° 59' 00" E	1100 m
Hester Malan Wild Flower Reserve (see Hester Malan Veldblomreservaat)	South Africa		29° 40' 00" S 18° 02' 00" E	1100 m
Jbel Tissouka (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Jebel Mago (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Jebel Tisouka, 5 km E Chefchaouen (see also: Chefchaouen, 5 km E, Jbel Tissouka, Jebel Mago, Monte Tisuka, Tisouka, mount, Yebel Tisuca, Yebel Tisuja)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Kanza village, near, 5.5 km S Bombo (see also: Bombo, 5.5 km S)	Tanzania		4° 19' 12" S 38° 00' 00" E	1100 m
Lisanthu, 15 mi [=24 km] NE, rocky outcrop	Malawi		12° 53' 00" S 33° 03' 00" E	ca. 1100 m
Lugulu village, near, 8 km S Bombo (see also: Bombo, 8 km S)	Tanzania		4° 19' 48" S 38° 00' 00" E	1100 m
Lunga pontoon, Kasempa district	Zambia		13° 59' 00" S 26° 21' 00" E	1100 m
Mbelekelo	Congo (Democratic Republic of the)		3° 20' 00" S 28° 04' 00" E	1100 m
Monte Tisuka (see Jebel Tisouka)	Morocco		35° 09' 38" N 5° 13' 02" W	1100 m
Mpalanganga Dam	Malawi		15° 27' 00" S 35° 15' 00" E	1100 m

Murraysburg, 7.5 km N, 14.1 km W (see Farm Eloffshoek)	South Africa	31° 53' 42" S 23° 36' 52" E	1100 m
Mwenge	Congo (Democratic Republic of the)	3° 42' 00" S 28° 10' 00" E	1100 m
Namutoni, 4 km S, 2 km E (see Blou-Bok Draai, Etosha)	Namibia	18° 56' 00" S 18° 49' 00" E	1100 m
Okaukuejo Rest Camp (see also: Okaukueyo Rest Camp)	Namibia	19° 10' 57" S 15° 54' 43" E	1100 m
Okaukueyo Rest Camp (see Okaukuejo Rest Camp)	Namibia	19° 10' 57" S 15° 54' 43" E	1100 m
Outjo, 18.9 km S, 35.1 km W (see Farm Geduld 111)	Namibia	20° 16' 37" S 15° 48' 53" E	1100 m
Pandé, forest N of	Congo (Democratic Republic of the)	ca. 10° 37' 00" S 26° 50' 00" E	ca. 1100 m
Pirie Forest, near King William's Town	South Africa	32° 46' 00" S 27° 15' 00" E	1100 m
Sahanalaotra falls, near (see Cascade Sahanalaotra, near), just outside PN de Ranomafana	Madagascar	21° 14' 15" S 47° 23' 52" E	1100 m
Springbok, 10.0 km E (see Hester Malan Veldblomreservaat)	South Africa	29° 39' 00" S 17° 59' 00" E	1100 m
Ssannakanu village	Namibia	18° 06' 00" S 20° 23' 00" E	1100 m
Tisouka, mount (see Jebel Tisouka)	Morocco	35° 09' 38" N 5° 13' 02" W	1100 m
Yebel Tisuca (see Jebel Tisouka)	Morocco	35° 09' 38" N 5° 13' 02" W	1100 m
Yebel Tisuja (see Jebel Tisouka)	Morocco	35° 09' 38" N 5° 13' 02" W	1100 m

1101 - 1200 m:

Mazabuka (see also: Mazabuka Boma)	Zambia	15° 52' 00" S 27° 46' 00" E	1101 m
Mazabuka Boma (see Mazabuka)	Zambia	15° 52' 00" S 27° 46' 00" E	1101 m
Taung, Bophuthatswana (see also: Taungs)	South Africa	27° 32' 00" S 24° 48' 00" E	1101 m
Taungs (see Taung), Bophuthatswana	South Africa	27° 32' 00" S 24° 48' 00" E	1101 m
Hannington, 3 mi [=4.8 km] W Lake (see Maji Ya Moto)	Kenya	0° 16' 00" N 36° 03' 00" E	1102 m
Jacobsdal, Subdivision 1 of Wagenmakersdrift	South Africa	29° 08' 00" S 24° 46' 00" E	1102 m
Lake Bogoria, 3 mi [=4.8 km] W (see Maji Ya Moto)	Kenya	0° 16' 00" N 36° 03' 00" E	1102 m
Lake Hannington, 3 mi [=4.8 km] W (see Maji Ya Moto)	Kenya	0° 16' 00" N 36° 03' 00" E	1102 m
Maji Mata (see Maji Ya Moto)	Kenya	0° 16' 00" N 36° 03' 00" E	1102 m
Maji Mota (see Maji Ya Moto)	Kenya	0° 16' 00" N 36° 03' 00" E	1102 m
Maji Moto (see Maji Ya Moto), 3 mi W Lake Harrington [=Lake Bogoria]	Kenya	0° 16' 00" N 36° 03' 00" E	1102 m
Maji Ya Moto (see also: Hannington, 3 mi [=4.8 km] W Lake, Lake Bogoria, 3 mi [=4.8 km] W, Lake Hannington, 3 mi [=4.8 km] W, Maji Mata, Maji Mota, Maji Moto)	Kenya	0° 16' 00" N 36° 03' 00" E	1102 m
Mbambi (see also: Mbumbi)	Namibia	17° 28' 00" S 18° 28' 00" E	1103 m
Mbumbi (see Mbambi)	Namibia	17° 28' 00" S 18° 28' 00" E	1103 m
Ntandi, Bwamba Forest	Uganda	0° 48' 00" N 30° 09' 00" E	1106 m
Ntandi	Uganda	0° 48' 00" N 30° 09' 00" E	1106 m
Monze, 200 mi S N'Dola (see also: N'Dola, 200 mi [=322 km] S)	Zambia	16° 17' 00" S 27° 29' 00" E	1107 m
N'Dola, 200 mi [=322 km] S (see Monze)	Zambia	16° 17' 00" S 27° 29' 00" E	1107 m
Eenhana	Namibia	17° 28' 00" S 16° 20' 00" E	1108 m
Urambo	Tanzania	5° 04' 00" S 32° 03' 00" E	1108 m
Chalamni, 30 mi [=48 km] E Torit (see also: Torit, 30 mi [=48 km] E)	South Sudan	4° 29' 31" N 32° 54' 55" E	1110 m
Torit, 30 mi [=48 km] E (see Chalamni)	South Sudan	4° 29' 31" N 32° 54' 55" E	1110 m
Gurué, 6 km N, 10.8 km E (see Merrápué)	Mozambique	15° 24' 28" S 37° 04' 30" E	1111 m
Merrápué, 6 km N, 10.8 km E Gurue, Malema river (see also: Gurué, 6 km N, 10.8 km E, Murabue)	Mozambique	15° 24' 28" S 37° 04' 30" E	1111 m
Murabue (see Merrápué), 6 km N, 10.8 km E Gurue, Malema river	Mozambique	15° 24' 28" S 37° 04' 30" E	1111 m
Tikjda, 7 km W Lalla Kedidja (see also: Lalla Kedidja, 7 km W)	Algeria	36° 27' 00" N 4° 08' 00" E	1111 m
Andriamamovoka	Madagascar	21° 14' 45" S 47° 23' 53" E	1112 m
Chissonque	Angola	11° 05' 00" S 17° 15' 00" E	1113 m
Gauca River	Angola	11° 05' 00" S 17° 15' 00" E	1113 m
Igalula	Tanzania	5° 38' 00" S 32° 38' 00" E	1113 m
Jabal Otogo, summit (see also: Mount Otogo, summit, Otogo, summit mount)	South Sudan	3° 57' 32" N 30° 34' 59" E	1113 m
Koutaba	Cameroon	5° 42' 00" N 10° 49' 00" E	1113 m
Mount Otogo, summit (see Jabal Otogo, summit)	South Sudan	3° 57' 32" N 30° 34' 59" E	1113 m
Nyero (see also: Nyiro)	Uganda	1° 29' 00" N 33° 51' 00" E	1113 m
Nyiro (see Nyero)	Uganda	1° 29' 00" N 33° 51' 00" E	1113 m
Otogo, summit mount (see Jabal Otogo, summit)	South Sudan	3° 57' 32" N 30° 34' 59" E	1113 m
Hlatikulu	Swaziland	26° 58' 00" S 31° 19' 00" E	1114 m

Marienthal	Namibia	24° 38' 00" S 17° 58' 00" E	1114 m
Machiya ferry (see Makiya ferry)	Zambia	13° 42' 00" S 27° 36' 00" E	1115 m
Makiya ferry (see also: Machiya ferry)	Zambia	13° 42' 00" S 27° 36' 00" E	1115 m
Takoumit oasis	Morocco	32° 05' 00" N 3° 46' 00" W	1115 m
Djanet (see also: Fort Charlet)	Algeria	24° 34' 00" N 0° 09' 23" E	1116 m
Fort Charlet (see Djanet)	Algeria	24° 34' 00" N 0° 09' 23" E	1116 m
Kenya, near Lubumbashi	Congo (Democratic Republic of the)	11° 44' 00" S 27° 30' 00" E	1119 m
Galim	Cameroon	7° 06' 00" N 12° 29' 00" E	1120 m
Bungo	Angola	7° 26' 00" S 15° 23' 00" E	1122 m
Tsane (see Tshane), Camp 8	Botswana	24° 01' 00" S 21° 50' 00" E	1122 m
Tshane, Camp 8 (see also: Tsane)	Botswana	24° 01' 00" S 21° 50' 00" E	1122 m
Hartswater	South Africa	27° 46' 00" S 24° 49' 00" E	1124 m
Djelfa (see also: Jelfa)	Algeria	34° 40' 00" N 3° 15' 00" E	1126 m
Jelfa (see Djelfa)	Algeria	34° 40' 00" N 3° 15' 00" E	1126 m
Kafukola	Tanzania	8° 05' 00" S 31° 57' 00" E	1126 m
Lovoi	Congo (Democratic Republic of the)	8° 48' 00" S 24° 50' 00" E	1126 m
Bukalasa, West Mengo (see also: Bukulasa)	Uganda	0° 42' 26" N 32° 30' 48" E	1127 m
Bukulasa (see Bukalasa), West Mengo	Uganda	0° 42' 26" N 32° 30' 48" E	1127 m
Entebbe, 60 mi [=90 km] W	Uganda		1128 m
Fianarantsoa, 18 km SW	Madagascar	21° 27' 00" S 47° 05' 00" E	1128 m
Wandegeya	Uganda	0° 21' 00" N 33° 33' 00" E	1129 m
Kisumo (see Kisumu)	Kenya	0° 06' 00" S 34° 45' 00" E	1131 m
Kisumu (see also: Kisumo, Lady Whitehouse, Port Florence, Winam)	Kenya	0° 06' 00" S 34° 45' 00" E	1131 m
Lady Whitehouse (see Kisumu)	Kenya	0° 06' 00" S 34° 45' 00" E	1131 m
Port Florence (see Kisumu)	Kenya	0° 06' 00" S 34° 45' 00" E	1131 m
Winam (see Kisumu)	Kenya	0° 06' 00" S 34° 45' 00" E	1131 m
Entebbe, (ex North Buganda province?)	Uganda	0° 03' 52" N 32° 26' 49" E	1132 m
Loanza mission (see Luanza mission)	Congo (Democratic Republic of the)	8° 42' 00" S 28° 42' 00" E	1132 m
Luanza missie (see Luanza mission)	Congo (Democratic Republic of the)	8° 42' 00" S 28° 42' 00" E	1132 m
Luanza mission (see also: Loanza mission, Luanza missie, Mission de Luanza)	Congo (Democratic Republic of the)	8° 42' 00" S 28° 42' 00" E	1132 m
Mission de Luanza (see Luanza mission)	Congo (Democratic Republic of the)	8° 42' 00" S 28° 42' 00" E	1132 m
Old Entebbe	Uganda	0° 01' 41" N 32° 26' 43" E	1132 m
Chandege	Tanzania	1° 31' 00" S 33° 48' 00" E	1133 m
Kampala, 24 km N (see Namulonge)	Uganda	0° 31' 47" N 32° 36' 09" E	1133 m
Namulonge, 24 km N Kampala (see also: Kampala, 24 km N, Numulongo)	Uganda	0° 31' 47" N 32° 36' 09" E	1133 m
Numulongo (see Namulonge), 24 km N Kampala	Uganda	0° 31' 47" N 32° 36' 09" E	1133 m
Zanari	Tanzania	1° 31' 00" S 33° 48' 00" E	1134 m
Dodoma, 97 km E (see Kongwa)	Tanzania	6° 12' 00" S 36° 25' 00" E	1135 m
Isamico	Tanzania	2° 30' 00" S 32° 54' 00" E	1135 m
Kapolowe, St. Gerard mission (see also: Kapolowe mission, Mission St Gerard, St Gerard mission)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 57' 00" E	1135 m
Kapolowe mission (see Kapolowe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 57' 00" E	1135 m
Kongwa, 97 km E Dodoma (see also: Dodoma, 97 km E)	Tanzania	6° 12' 00" S 36° 25' 00" E	1135 m
Mission St Gerard (see Kapolowe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 57' 00" E	1135 m
Nkome	Tanzania	2° 52' 00" S 32° 12' 00" E	1135 m
Nyamboge	Tanzania	2° 33' 00" S 32° 04' 00" E	1135 m
St Gerard mission (see Kapolowe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 57' 00" E	1135 m
Amiel, 45 mi ESE Kitgum (see also: Kitgum, 45 mi [=72 km] ESE)	Uganda	2° 58' 00" N 33° 27' 00" E	1137 m
Kibara (see also: Kibarra)	Tanzania	2° 09' 00" S 33° 27' 00" E	1137 m
Kibarra (see Kibara)	Tanzania	2° 09' 00" S 33° 27' 00" E	1137 m
Kitgum, 45 mi [=72 km] ESE (see Amiel)	Uganda	2° 58' 00" N 33° 27' 00" E	1137 m
Lugala	Uganda	0° 11' 19" N 33° 53' 16" E	1137 m
Karibib	Namibia	21° 56' 00" S 15° 50' 00" E	1139 m

Kosmos, Western Shore Hartebeespoortdam (see also: Village Kosmos)	South Africa		25° 44' 00" S 27° 51' 00" E	1139 m
Village Kosmos (see Kosmos), Western Shore Hartebeespoortdam	South Africa		25° 44' 00" S 27° 51' 00" E	1139 m
Ayliff, mount, 0.3 km N, 8.9 km W (see Insizwe Mine)	South Africa		30° 48' 00" S 29° 17' 00" E	1140 m
Hilton, Pietermartzburg (see also: Hilton Railway tunnel)	South Africa		29° 31' 00" S 30° 18' 00" E	1140 m
Hilton Railway tunnel (see Hilton), Pietermaritzburg	South Africa		29° 31' 00" S 30° 18' 00" E	1140 m
Insizwe Mine, 0.3 km N, 8.9 km W Mount Ayliff (see also: Ayliff, mount, 0.3 km N, 8.9 km W, Mount Ayliff, 0.3 km N, 8.9 km W)	South Africa		30° 48' 13" S 29° 16' 52" E	1140 m
Kalangala, 1.0 km N, 0.5 km E	Uganda	ca.	0° 18' 32" S 32° 13' 30" E	1140 m
Kampala, 48 km E (see Namagunga, Buganda)	Uganda		0° 22' 26" N 32° 52' 43" E	1140 m
Mount Ayliff, 0.3 km N, 8.9 km W (see Insizwe Mine)	South Africa		30° 48' 00" S 29° 17' 00" E	1140 m
Murraysburg, 16.0 km N, 17.2 km W	South Africa		31° 47' 00" S 23° 34' 46" E	1140 m
Namagunga, Buganda, 48 km E Kampala (see also: Kampala, 48 km E)	Uganda		0° 22' 26" N 32° 52' 43" E	1140 m
Panda (see Pande), near Likasi	Congo (Democratic Republic of the)		10° 37' 00" S 26° 50' 00" E	1140 m
Pande, near Likasi (see also: Panda)	Congo (Democratic Republic of the)		10° 37' 00" S 26° 50' 00" E	1140 m
Spionkop Lodge, 14 km N Winterton	South Africa		28° 41' 42" S 29° 32' 08" E	1140 m
Gcangcu	Namibia		17° 57' 00" S 19° 11' 00" E	1143 m
Wakwa	Cameroon		7° 14' 00" N 13° 35' 00" E	1143 m
Isiala (see Isiolo)	Kenya		0° 21' 00" N 37° 35' 00" E	1145 m
Isiola (see Isiolo)	Kenya		0° 21' 00" N 37° 35' 00" E	1145 m
Isiolo (see also: Isiala, Isiola)	Kenya		0° 21' 00" N 37° 35' 00" E	1145 m
Rua Cana (see Ruacana)	Namibia		17° 26' 00" S 14° 21' 00" E	1146 m
Ruacana (see also: Rua Cana)	Namibia		17° 26' 00" S 14° 21' 00" E	1146 m
Kasengo (see also: Kasongo)	Congo (Democratic Republic of the)		11° 26' 28" S 27° 58' 04" E	1147 m
Kasongo (see Kasengo)	Congo (Democratic Republic of the)		11° 26' 28" S 27° 58' 04" E	1147 m
Ambohi (see Ambohimitombo)	Madagascar		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitambo (see Ambohimitombo)	Madagascar		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitambo forest (see Ambohimitombo)	Madagascar		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitembo (see Ambohimitombo)	Madagascar		20° 43' 00" S 47° 26' 00" E	1149 m
Ambohimitombo (see also: Ambohi, Ambohimitambo, Ambohimitambo forest, Ambohimitembo)	Madagascar		20° 43' 00" S 47° 26' 00" E	1149 m
Namirembe (see Nyamirembe)	Tanzania		2° 32' 00" S 31° 42' 00" E	1149 m
Nyambiremba (see Nyamirembe)	Tanzania		2° 32' 00" S 31° 42' 00" E	1149 m
Nyamirembe (see also: Namirembe, Nyambiremba, Nyamirembe Port)	Tanzania		2° 32' 00" S 31° 42' 00" E	1149 m
Nyamirembe Port (see Nyamirembe)	Tanzania		2° 32' 00" S 31° 42' 00" E	1149 m
Barkley West (see Barkly West)	South Africa		28° 30' 00" S 24° 33' 00" E	1150 m
Barkly West (see also: Barkley West, Barkly-Wes)	South Africa		28° 30' 00" S 24° 33' 00" E	1150 m
Barkly-Wes (see Barkly West)	South Africa		28° 30' 00" S 24° 33' 00" E	1150 m
Calundo, Lake (see also: Lac Calundo, Lake Calundo, Luso, 105 km E)	Angola		11° 43' 00" S 20° 48' 00" E	1150 m
Ezelfontein	South Africa		30° 27' 00" S 18° 17' 00" E	1150 m
Farm 25 (Otjitambi) (see Farm Otjitambi 25)	Namibia		19° 48' 00" S 15° 11' 00" E	1150 m
Farm Otjitambi 25, 20 km S, 35 km E Outjo [Kamanjab] (see also: Farm 25 (Otjitambi), Otjitambi, Farm 25, Outjo, 20 km S, 35 km E)	Namibia		19° 48' 00" S 15° 11' 00" E	1150 m
Gorongosa National Park (II)	Mozambique		18° 27' 54" S 34° 03' 07" E	1150 m
Kantundwe (see also: Kontundwe)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1150 m
Kanzarue river	Congo (Democratic Republic of the)		1° 09' 00" S 29° 24' 00" E	1150 m
Kontundwe (see Kantundwe)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1150 m
Lac Calundo (see Calundo, Lake)	Angola		11° 43' 00" S 20° 48' 00" E	1150 m
Lake Calundo (see Calundo, Lake)	Angola		11° 43' 00" S 20° 48' 00" E	1150 m
Le Roux Dam (see P.K. Le Roux Dam)	South Africa		30° 05' 00" S 24° 45' 00" E	1150 m
Luso, 105 km E (see Calundo, Lake)	Angola		11° 43' 00" S 20° 48' 00" E	1150 m
Musugeriza river	Congo (Democratic Republic of the)		1° 09' 00" S 29° 27' 00" E	1150 m
Otjitambi, Farm 25 (see Farm Otjitambi 25)	Namibia		19° 48' 00" S 15° 11' 00" E	1150 m
Outjo, 20 km S, 35 km E (see Farm Otjitambi 25)	Namibia		19° 48' 00" S 15° 11' 00" E	1150 m

P.K. Le Roux Dam, Petrusville, 8.0 km E (see also: Le Roux Dam, Petrusville, 8.0 km E)	South Africa		30° 05' 00" S 24° 45' 00" E	1150 m
Petrusville, 8.0 km E (see P.K. Le Roux Dam)	South Africa		30° 05' 00" S 24° 45' 00" E	1150 m
Kitui (see also: Ukamba)	Kenya		1° 22' 00" S 38° 01' 00" E	1151 m
Mumbwa	Zambia		14° 59' 00" S 27° 04' 00" E	1151 m
Ukamba (see Kitui)	Kenya		1° 22' 00" S 38° 01' 00" E	1151 m
Amboseli	Kenya		2° 40' 00" S 37° 17' 00" E	1152 m
Samfya	Zambia		11° 21' 00" S 29° 33' 00" E	1154 m
Camel cave, valley, near Berkane, Zegzel plateau (see also: Grotte des chameaux)	Morocco	ca.	34° 45' 00" N 2° 20' 00" W	1155 m
Grotte des chameaux (see Camel cave, valley)	Morocco	ca.	34° 45' 00" N 2° 20' 00" W	1155 m
Malange (see Malanje)	Angola		9° 32' 41" S 16° 20' 43" E	1155 m
Malanje (see also: Malange)	Angola		9° 32' 41" S 16° 20' 43" E	1155 m
Fianarantsoa (see also: Fianarantsoa: Miharisoa (EPP))	Madagascar		21° 26' 00" S 47° 05' 00" E	1156 m
Fianarantsoa: Miharisoa (EPP) (see Fianarantsoa)	Madagascar		21° 26' 00" S 47° 05' 00" E	1156 m
Kanzenze mission (see also: Liège Sacre-Coeur mission, Mission de Liège Sacre-Coeur)	Congo (Democratic Republic of the)		10° 31' 00" S 25° 12' 00" E	1157 m
Liège Sacre-Coeur mission (see Kanzenze mission)	Congo (Democratic Republic of the)		10° 31' 00" S 25° 12' 00" E	1157 m
Mission de Liège Sacre-Coeur (see Kanzenze mission)	Congo (Democratic Republic of the)		10° 31' 00" S 25° 12' 00" E	1157 m
Bugoma Forest, Mwela	Uganda		1° 11' 53" N 30° 56' 07" E	1158 m
Entebbe, near	Uganda	ca.	0° 03' 52" N 32° 26' 49" E	1158 m
Farm Slingerpan, 14.9 km N, 9.2 km W Strydenburg (see also: Slingerpan, Farm, Strydenburg, 14.9 km N, 9.2 km W)	South Africa		29° 48' 28" S 23° 34' 56" E	1158 m
Fort Jameson Boma	Zambia		13° 40' 00" S 32° 40' 00" E	1158 m
Kagolomolo-Busi island, near Entebbe	Uganda		0° 04' 00" N 32° 33' 00" E	1158 m
Karekere (see Kerekere)	Congo (Democratic Republic of the)		2° 42' 00" N 30° 33' 00" E	1158 m
Kere Kere (see Kerekere)	Congo (Democratic Republic of the)		2° 42' 00" N 30° 33' 00" E	1158 m
Kerekere (see also: Karekere, Kere Kere)	Congo (Democratic Republic of the)		2° 42' 00" N 30° 33' 00" E	1158 m
Lutembue River (see Lutembwa River), near Fort Jameson	Zambia		13° 40' 00" S 32° 45' 00" E	1158 m
Lutembwa River, near Fort Jameson (see also: Lutembue River)	Zambia		13° 40' 00" S 32° 45' 00" E	1158 m
Muradingusha (see Mwadingusha)	Congo (Democratic Republic of the)		10° 45' 00" S 27° 15' 00" E	1158 m
Mwadingusha (see also: Muradingusha)	Congo (Democratic Republic of the)		10° 45' 00" S 27° 15' 00" E	1158 m
Mwadingusha, electricity plant	Congo (Democratic Republic of the)		10° 45' 00" S 27° 15' 00" E	1158 m
Mwela	Uganda		1° 16' 00" N 31° 00' 00" E	1158 m
Slingerpan, Farm (see Farm Slingerpan)	South Africa		29° 48' 28" S 23° 34' 56" E	1158 m
Strydenburg, 14.9 km N, 9.2 km W (see Farm Slingerpan)	South Africa		29° 48' 28" S 23° 34' 56" E	1158 m
Zinglume	Zambia		13° 40' 00" S 32° 40' 00" E	1158 m
Mulungu (see also: Mulungu Miti)	Congo (Democratic Republic of the)		2° 19' 00" S 28° 48' 00" E	1159 m
Mulungu Kivu	Congo (Democratic Republic of the)		2° 54' 00" S 27° 56' 00" E	1159 m
Mulungu Miti (see Mulungu)	Congo (Democratic Republic of the)		2° 19' 00" S 28° 48' 00" E	1159 m
Bulaya	Congo (Democratic Republic of the)		1° 12' 00" S 29° 27' 00" E	1160 m
Grotte de Saga Saga (see Saga Saga cave)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1160 m
Matata cave	Congo (Democratic Republic of the)		0° 58' 30" N 29° 40' 00" E	1160 m
Myabikere (see Nyabikere)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 27' 00" E	1160 m
Niabikere (see Nyabikere)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 27' 00" E	1160 m
Nyabikere (see also: Myabikere, Niabikere)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 27' 00" E	1160 m
Saga Saga cave (see also: Grotte de Saga Saga, Saga Saga grot)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1160 m
Saga Saga grot (see Saga Saga cave)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1160 m
Erkovit (see Erkowit)	Sudan		18° 46' 00" N 37° 07' 00" E	1162 m

Erkowit (see also: Erkovit)	Sudan		18° 46' 00" N 37° 07' 00" E	1162 m
Rooiberg, 39 km SE Thabazimbi: Waterberg (see also: Rooiberg, Tin mine, Thabazimbi, 39 km SE)	South Africa		24° 46' 00" S 27° 44' 00" E	1162 m
Rooiberg, Tin mine (see Rooiberg)	South Africa		24° 46' 10" S 27° 43' 55" E	1162 m
Thabazimbi, 39 km SE (see Rooiberg)	South Africa		24° 46' 00" S 27° 44' 00" E	1162 m
Masombwe	Congo (Democratic Republic of the)		9° 05' 00" S 27° 12' 00" E	1163 m
Usa (see also: Usa River)	Tanzania		3° 22' 00" S 36° 51' 00" E	1166 m
Usa River (see Usa)	Tanzania		3° 22' 00" S 36° 51' 00" E	1166 m
Zebediela (see also: Zebediela Estates, Zebedielo, Zebedula)	South Africa		24° 16' 00" S 29° 17' 00" E	1166 m
Zebediela Estates (see Zebediela)	South Africa		24° 16' 00" S 29° 17' 00" E	1166 m
Zebedielo (see Zebediela)	South Africa		24° 16' 00" S 29° 17' 00" E	1166 m
Zebedula (see Zebediela)	South Africa		24° 16' 00" S 29° 17' 00" E	1166 m
Vaalwater, Waterberg	South Africa		24° 18' 00" S 28° 06' 00" E	1167 m
Cathcart	South Africa		32° 18' 00" S 27° 08' 00" E	1168 m
Lajuma bridge (see Lajuma)	South Africa		23° 02' 18" S 29° 26' 34" E	1168 m
Mbale, Bugisu district	Uganda		1° 03' 52" N 34° 10' 46" E	1168 m
Mto wa Mbu (see also: Mtowamba, Mtowambo, Mto-Wa-Mbo)	Tanzania		3° 22' 28" S 35° 51' 15" E	1170 m
Mtowamba (see Mto wa Mbu), N End Lake Manyara	Tanzania		3° 22' 28" S 35° 51' 15" E	1170 m
Mtowambo (see Mto wa Mbu)	Tanzania		3° 22' 28" S 35° 51' 15" E	1170 m
Mto-Wa-Mbo (see Mto wa Mbu)	Tanzania		3° 22' 28" S 35° 51' 15" E	1170 m
Talatala	Congo (Democratic Republic of the)		1° 15' 00" N 29° 50' 00" E	1170 m
Lualeni Borehole (see Maktau)	Kenya		3° 24' 00" S 38° 08' 00" E	1171 m
Maktau (see also: Lualeni Borehole, Mwakitau)	Kenya		3° 24' 00" S 38° 08' 00" E	1171 m
Mwakitau (see Maktau)	Kenya		3° 24' 00" S 38° 08' 00" E	1171 m
Broken Hill (see Kabwe)	Zambia		14° 26' 00" S 28° 27' 00" E	1172 m
Kabwe (see also: Broken Hill)	Zambia		14° 26' 00" S 28° 27' 00" E	1172 m
Farm Orange Grove, 2.2 km N, 0.9 km E Petrusville (see also: Orange Grove, Farm, Petrusville, 2.2 km N, 0.9 km E)	South Africa		30° 03' 44" S 24° 40' 06" E	1173 m
Kajo Kaji, 10 mi [=16 km] W	South Sudan		3° 53' 00" N 31° 40' 00" E	1173 m
Orange Grove, Farm (see Farm Orange Grove)	South Africa		30° 03' 44" S 24° 40' 06" E	1173 m
Petrusville, 2.2 km N, 0.9 km E (see Farm Orange Grove)	South Africa		30° 03' 44" S 24° 40' 06" E	1173 m
Nsombo	Zambia		10° 49' 00" S 29° 57' 00" E	1175 m
Petrusville, 2.5 km N, 8.5 km E (see Rolfontein Nature Reserve)	South Africa		30° 04' 00" S 24° 45' 00" E	1175 m
Rolfontein Nature Reserve, 2.5 km N, 8.5 km E Petrusville (see also: Petrusville, 2.5 km N, 8.5 km E)	South Africa		30° 04' 00" S 24° 45' 00" E	1175 m
Whiskey 1	Guinea		8° 32' 56" N 8° 53' 57" W	1175 m
Beni, 36 km N (see Kisiki)	Congo (Democratic Republic of the)		0° 45' 00" N 29° 34' 00" E	1177 m
Kisiki, 36 km N Beni (see also: Beni, 36 km N, Kisiki Kalume)	Congo (Democratic Republic of the)		0° 45' 00" N 29° 34' 00" E	1177 m
Kisiki Kalume (see Kisiki), 36 km N Beni	Congo (Democratic Republic of the)		0° 45' 00" N 29° 34' 00" E	1177 m
Nylstroom	South Africa		24° 42' 00" S 28° 24' 00" E	1178 m
Chizela, Kasempa district (see also: Chizera)	Zambia		13° 08' 00" S 25° 00' 00" E	1179 m
Chizera (see Chizela), Kasempa district	Zambia		13° 08' 00" S 25° 00' 00" E	1179 m
Kalangala	Uganda		0° 18' 32" S 32° 13' 30" E	1180 m
Kalangala, 1.0 km S	Uganda	ca.	0° 18' 32" S 32° 13' 30" E	1180 m
Farm 603 KQ (Hartbeesfontein) (see Farm Hartbeesfontein 603 KQ)	South Africa		24° 47' 04" S 27° 45' 49" E	1182 m
Farm Hartbeesfontein 603 KQ, 50 km SE Thabazimbi, Bela-Bela municipality (see also: Farm 603 KQ (Hartbeesfontein), Hartbeesfontein, Farm 603 KQ, Thabazimbi, 50 km SE)	South Africa		24° 47' 04" S 27° 45' 49" E	1182 m
Hartbeesfontein, Farm 603 KQ (see Farm Hartbeesfontein 603 KQ)	South Africa		24° 47' 04" S 27° 45' 49" E	1182 m
Koundja (see also: Kounja, Kundja)	Cameroon		5° 37' 00" N 10° 45' 00" E	1182 m
Kounja (see Koundja)	Cameroon		5° 37' 00" N 10° 45' 00" E	1182 m
Molongori, 25 mi [=40 km] SE Torit (see also: Torit, 25 mi [=40 km] SE)	South Sudan		4° 10' 27" N 32° 50' 32" E	1182 m
Songea (see also: Ssongea)	Tanzania		10° 41' 00" S 35° 39' 00" E	1182 m

Ssongea (see Songea)	Tanzania		10° 41' 00" S 35° 39' 00" E	1182 m
Thabazimbi, 50 km SE (see Farm Hartbeesfontein 603 KQ)	South Africa		24° 47' 04" S 27° 45' 49" E	1182 m
Torit, 25 mi [=40 km] SE (see Molongori)	South Sudan		4° 10' 27" N 32° 50' 32" E	1182 m
Esigodini, Falcon College (see also: Essexvale)	Zimbabwe		20° 18' 00" S 28° 56' 00" E	1183 m
Essexvale (see Esigodini)	Zimbabwe		20° 18' 00" S 28° 56' 00" E	1183 m
Lubumbashi, 69 km E (see Musonge)	Congo (Democratic Republic of the)		11° 28' 00" S 27° 52' 00" E	1183 m
Musonge, 69 km E Lubumbashi (see also: Lubumbashi, 69 km E)	Congo (Democratic Republic of the)		11° 28' 00" S 27° 52' 00" E	1183 m
Omaruru	Namibia		21° 26' 00" S 15° 56' 00" E	1185 m
Tororo	Uganda		0° 41' 05" N 34° 10' 52" E	1185 m
Chinhoyi, 70 mi W Salisbury (see also: Chinoyi, Sinoia)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Chinhoyi Caves, Chinhoyi (see also: Chinoyi Caves, Orchid Cave, Sinoia Caves)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Chinoyi (see Chinhoyi)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Chinoyi Caves (see Chinhoyi Caves)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Harare, 70 mi [=113 km] W	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Orchid Cave (see Chinhoyi Caves)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Salisbury, 70 mi [=113 km] W	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Sinoia (see Chinhoyi)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Sinoia Caves (see Chinhoyi Caves)	Zimbabwe		17° 22' 00" S 30° 12' 00" E	1186 m
Anoual	Morocco		32° 39' 36" N 3° 06' 00" W	1188 m
Farm Otto's Bluff, 15 km NNW Pietermaritzburg (see also: Koks farm, Kok's farm, Ottos Bluff, Otto's Bluff Farm, Pietermaritzburg, 15 km NNW)	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Kok's farm (see Farm Otto's Bluff), 15 km NNW Pietermaritzburg	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Koks farm (see Farm Otto's Bluff), Pietermaritzburg	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Lobatse (see also: Lobatsi)	Botswana		25° 13' 00" S 25° 40' 00" E	1188 m
Lobatsi (see Lobatse)	Botswana		25° 13' 00" S 25° 40' 00" E	1188 m
Ottos Bluff (see Farm Otto's Bluff), Pietermaritzburg	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Otto's Bluff Farm (see Farm Otto's Bluff), 15 km NNW Pietermaritzburg	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Pietermaritzburg, 15 km NNW (see Farm Otto's Bluff), Pietermaritzburg	South Africa		29° 30' 00" S 30° 21' 00" E	1188 m
Farm Kleintuinfontein, 10.8 km S, 10.7 km E Petrusville (see also: Kleintuinfontein, Farm, Petrusville, 10.8 km S, 10.7 km E)	South Africa		30° 10' 42" S 24° 46' 13" E	1189 m
Kawe	Tanzania		4° 18' 00" S 33° 03' 00" E	1189 m
Kleintuinfontein, Farm (see Farm Kleintuinfontein)	South Africa		30° 10' 42" S 24° 46' 13" E	1189 m
Molepolole	Botswana		24° 24' 00" S 25° 31' 00" E	1189 m
Petrusville	South Africa		30° 04' 54" S 24° 39' 30" E	1189 m
Petrusville, 10.8 km S, 10.7 km E (see Farm Kleintuinfontein)	South Africa		30° 10' 42" S 24° 46' 13" E	1189 m
Dalaba (see also: Grotte du Marché, Marché, grotte du, Market cave)	Guinea		10° 42' 00" N 12° 15' 00" W	1190 m
Didesa Wenz (see also: Didessa River)	Ethiopia	ca.	9° 57' 00" N 35° 41' 00" E	1190 m
Didessa River (see Didesa Wenz)	Ethiopia	ca.	9° 57' 00" N 35° 41' 00" E	1190 m
Grotte du Marché (see Dalaba)	Guinea		10° 42' 00" N 12° 15' 00" W	1190 m
Hillside Farm	South Africa		23° 00' 59" S 29° 47' 14" E	1190 m
Marché, grotte du (see Dalaba)	Guinea		10° 42' 00" N 12° 15' 00" W	1190 m
Market cave (see Dalaba)	Guinea		10° 42' 00" N 12° 15' 00" W	1190 m
Kampala, 13 km NW (see Kawanda, Agriculture Research Station)	Uganda		0° 22' 29" N 32° 32' 11" E	1193 m
Kawanda, Agriculture Research Station, 13 km NW Kampala (see also: Kampala, 13 km NW)	Uganda		0° 22' 29" N 32° 32' 11" E	1193 m
Makerere	Uganda		0° 20' 00" N 32° 34' 00" E	1193 m
Pietersburg, 5 km S (see Soekmekaar)	South Africa		23° 29' 00" S 29° 56' 00" E	1193 m
Soekmekaar, 5 km S Pietersburg (see also: Pietersburg, 5 km S, Zoekmakaar, Zoekmekaar)	South Africa		23° 29' 00" S 29° 56' 00" E	1193 m
Zoekmakaar (see Soekmekaar), 5 km S Pietersburg	South Africa		23° 29' 00" S 29° 56' 00" E	1193 m
Zoekmekaar (see Soekmekaar), 5 km S Pietersburg	South Africa		23° 29' 00" S 29° 56' 00" E	1193 m
Ohopoho (see Opuwo)	Namibia		18° 04' 00" S 13° 51' 00" E	1194 m
Ohopuho (see Opuwo)	Namibia		18° 04' 00" S 13° 51' 00" E	1194 m
Opuwa (see Opuwo)	Namibia		18° 04' 00" S 13° 51' 00" E	1194 m
Opuwo (see also: Ohopoho, Ohopuho, Opuwa)	Namibia		18° 04' 00" S 13° 51' 00" E	1194 m

Arua, West Nile	Uganda		3° 01' 09" N 30° 55' 51" E	1195 m
Sauena (see Sawena)	Ethiopia		7° 23' 00" N 41° 16' 00" E	1195 m
Sawena (see also: Sauena)	Ethiopia		7° 23' 00" N 41° 16' 00" E	1195 m
Ijoukak (see also: Izoukak)	Morocco		31° 00' 00" N 8° 09' 36" W	1196 m
Izoukak (see Ijoukak)	Morocco		31° 00' 00" N 8° 09' 36" W	1196 m
Onderstepoort, Pretoria	South Africa		25° 39' 02" S 28° 11' 03" E	1196 m
Capelongo (2) (see also: Folgares, Kapelongo, Vila de Folgares)	Angola		14° 55' 00" S 15° 05' 00" E	1197 m
Folgares (see Capelongo (2))	Angola		14° 55' 00" S 15° 05' 00" E	1197 m
Kapelongo (see Capelongo (2))	Angola		14° 55' 00" S 15° 05' 00" E	1197 m
Vila de Folgares (see Capelongo (2))	Angola		14° 55' 00" S 15° 05' 00" E	1197 m
Bugara	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1200 m
Bunyangura	Congo (Democratic Republic of the)		1° 09' 00" S 29° 26' 00" E	1200 m
Cameroon Mountain cave	Cameroon		4° 09' 00" N 9° 13' 00" E	1200 m
Camp III, near Buéa	Cameroon	ca.	4° 09' 00" N 9° 13' 00" E	1200 m
Chimala	Tanzania		8° 51' 00" S 34° 01' 00" E	1200 m
Die Oog (see also: Eye of Kuruman)	South Africa		27° 27' 00" S 23° 26' 00" E	1200 m
Eye of Kuruman (see Die Oog)	South Africa		27° 27' 00" S 23° 26' 00" E	1200 m
Farm 113 (Musterland) (see Farm Musterland 113)	Namibia		20° 14' 16" S 15° 53' 00" E	1200 m
Farm Musterland 113, 14.5 km S, 28 km W Outjo (see also: Farm 113 (Musterland), Musterland, Farm 113, Outjo, 14.5 km S, 28 km W)	Namibia		20° 14' 16" S 15° 53' 00" E	1200 m
Grootfontein and Okavango Regions	Namibia		18° 41' 00" S 19° 00' 00" E	1200 m
Grotte de Kwama Kwama (see Kwama Kwama cave)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1200 m
Handajega, Serengeti (see also: Handajegu)	Tanzania		2° 15' 00" S 34° 06' 00" E	1200 m
Handajegu (see Handajega), Serengeti	Tanzania		2° 15' 00" S 34° 06' 00" E	1200 m
Homa, mont (see Hoyo, mount)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Hoyo, mount (see also: Homa, mont, Mont Hoyo, Mount Homa, Mount Hoyo)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Inago, mount (see Mount Inago)	Mozambique		15° 04' 48" S 37° 23' 24" E	ca. 1200 m
Irumu, 20 mi [=32 km] S (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Issehe river	Congo (Democratic Republic of the)		1° 05' 00" N 29° 49' 00" E	1200 m
Kabatibi cave (see Mount Hoyo caves)	Congo (Democratic Republic of the)	ca.	1° 13' 00" N 29° 49' 00" E	1200 m
Kamanjab Kaross, 15 km N, 24 km W	Namibia		19° 37' 00" S 14° 38' 00" E	1200 m
Kwama Kwama cave (see also: Grotte de Kwama Kwama, Kwama Kwama grot)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1200 m
Kwama Kwama grot (see Kwama Kwama cave)	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1200 m
Likabula river	Malawi		16° 01' 00" S 34° 47' 00" E	1200 m
Luanshya, 6 mi [=9.7 km] S (see also: Luanshyo, 6 mi [=9.7 km] S)	Zambia	ca.	13° 08' 00" S 28° 24' 00" E	ca. 1200 m
Luanshyo, 6 mi [=9.7 km] S (see Luanshya, 6 mi [=9.7 km] S)	Zambia	ca.	13° 08' 00" S 28° 24' 00" E	ca. 1200 m
Makindu, near, 192 km E Nairobi (see also: Nairobi, 192 km E)	Kenya		2° 18' 00" S 37° 50' 00" E	1200 m
Mindola (see Mindolo dam), near Kitwe	Zambia		12° 47' 00" S 28° 09' 00" E	ca. 1200 m
Mindolo dam, near Kitwe (see also: Mindola)	Zambia		12° 47' 00" S 28° 09' 00" E	ca. 1200 m
Mont Hoyo (see Hoyo, mount)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mont Hoyo cave (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mont Hoyo, grottes (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Homa (see Hoyo, mount)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Hoyo (see Hoyo, mount)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Hoyo caverns (see Mount Hoyo caves), 20 mi S Irumu	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m

Mount Hoyo caves, 20 mi S Irumu (see also: Irumu, 20 mi [=32 km] S, Kabatibi cave, Mont Hoyo cave, Mont Hoyo, grottes, Mount Hoyo caverns)	Congo (Democratic Republic of the)		1° 13' 00" N 29° 49' 00" E	1200 m
Mount Inago (see also: Inago, mount)	Mozambique		15° 04' 48" S 37° 23' 24" E	ca. 1200 m
Mount Mulanje (see Mulanje, mount)	Malawi		15° 55' 12" S 35° 40' 12" E	1200 m
Mount Namuli (see also: Namuli, mount)	Mozambique		15° 23' 07" S 37° 04' 04" E	1200 m
Mulala	Congo (Democratic Republic of the)		0° 19' 00" N 29° 44' 00" E	1200 m
Mulanje, mount (see also: Mount Mulanje)	Malawi		15° 55' 12" S 35° 40' 12" E	1200 m
Musterland, Farm 113 (see Farm Musterland 113)	Namibia		20° 14' 16" S 15° 53' 00" E	1200 m
Mutsora	Congo (Democratic Republic of the)		0° 19' 00" N 29° 44' 00" E	1200 m
Mwombezi (see also: Mwombezi village)	Zambia		12° 13' 00" S 25° 34' 00" E	1200 m
Namuli, mount (see Mount Namuli)	Mozambique		15° 23' 07" S 37° 04' 04" E	1200 m
Ngerere Lepi	Congo (Democratic Republic of the)		0° 39' 00" N 29° 53' 00" E	1200 m
Outjo, 14.5 km S, 28 km W (see Farm Musterland 113)	Namibia		20° 14' 16" S 15° 53' 00" E	1200 m
Rodahira river, near Rutshuru	Congo (Democratic Republic of the)		1° 13' 00" S 29° 26' 00" E	1200 m
Rumanura river	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1200 m
Sandawe (see Usandawe)	Tanzania		5° 15' 00" S 35° 20' 00" E	1200 m
Simba river, on Mombasa Road, 96 mi [=155 km] from Nairobi	Kenya		2° 30' 00" S 37° 53' 00" E	1200 m
Solwezi district	Zambia		12° 25' 00" S 26° 00' 00" E	1200 m
Three Sisters	South Africa		31° 54' 00" S 23° 05' 00" E	1200 m
Tshebahu river, near Mount Hoyo	Congo (Democratic Republic of the)		1° 19' 00" N 29° 52' 00" E	1200 m
Usandawe (see also: Sandawe)	Tanzania		5° 15' 00" S 35° 20' 00" E	1200 m

1201 - 1300 m:

Chett Angolan border, 13 km N	Angola		17° 40' 42" S 22° 36' 53" E	1201 m
Kampala	Uganda		0° 18' 56" N 32° 33' 56" E	1202 m
Ruchuru (see Rutshuru)	Congo (Democratic Republic of the)		1° 11' 03" S 29° 26' 56" E	1203 m
Potgietersrus	South Africa		24° 11' 00" S 29° 01' 00" E	1204 m
Vryburg, Vryburg	South Africa		26° 57' 00" S 24° 44' 00" E	1204 m
Qoabendus	Namibia		19° 17' 00" S 14° 31' 00" E	1205 m
Busia	Kenya		0° 28' 00" N 34° 06' 00" E	1206 m
Chano, 11 km N Arba Minch, W shore of Lake Abaya	Ethiopia	ca.	6° 07' 00" N 37° 34' 00" E	1206 m
Kiboscho (see Kibosho)	Tanzania		3° 15' 00" S 37° 19' 00" E	1206 m
Kibosho (see also: Kiboscho)	Tanzania		3° 15' 00" S 37° 19' 00" E	1206 m
Kamituga	Congo (Democratic Republic of the)		3° 03' 19" S 28° 10' 55" E	1207 m
Elizabethville (see Lubumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 28' 00" E	1208 m
Kasama (see Kasempa)	Zambia		13° 27' 00" S 25° 50' 00" E	1208 m
Kasempa (see also: Kasama, Kasempa Boma)	Zambia		13° 27' 00" S 25° 50' 00" E	1208 m
Kasempa Boma (see Kasempa)	Zambia		13° 27' 00" S 25° 50' 00" E	1208 m
Lubumbashi (see also: Elisabethstad, Elisabethville, Elizabethville, E'ville, Lumumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 28' 00" E	1208 m
Cahata	Angola		12° 21' 00" S 14° 49' 00" E	1209 m
Elisabethstad (see Lubumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 26' 00" E	1209 m
Elisabethville (see Lubumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 26' 00" E	1209 m
E'ville (see Lubumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 26' 00" E	1209 m
Lumumbashi (see Lubumbashi)	Congo (Democratic Republic of the)		11° 40' 00" S 27° 26' 00" E	1209 m
Muansa (see Mwanza)	Tanzania		2° 31' 00" S 32° 54' 00" E	1209 m
Muanza (see Mwanza)	Tanzania		2° 31' 00" S 32° 54' 00" E	1209 m
Mwamza (see Mwanza)	Tanzania		2° 31' 00" S 32° 54' 00" E	1209 m
Mwansa (see Mwanza)	Tanzania		2° 31' 00" S 32° 54' 00" E	1209 m

Mwanza (see also: Muansa, Muanza, Mwamza, Mwansa)	Tanzania		2° 31' 00" S 32° 54' 00" E	1209 m
Chinunka, 1.6 km SE	Malawi		9° 39' 28" S 33° 22' 32" E	1210 m
Chipata (see also: Fort Jameson)	Zambia		13° 38' 00" S 32° 39' 00" E	1212 m
Fort Jameson (see Chipata)	Zambia		13° 38' 00" S 32° 39' 00" E	1212 m
Kitwe, Mwekera (see also: Kitwe Nkana, Nkana-Kitwe, Nkane-Kitwe)	Zambia		12° 59' 00" S 28° 12' 00" E	1212 m
Kitwe Nkana (see Kitwe), Mwekera	Zambia		12° 59' 00" S 28° 12' 00" E	1212 m
Mengo	Uganda		0° 18' 00" N 32° 34' 00" E	1212 m
Ngaoundéré (see also: Ngaundéré)	Cameroon		7° 19' 00" N 13° 35' 00" E	1212 m
Ngaundéré (see Ngaoundéré)	Cameroon		7° 19' 00" N 13° 35' 00" E	1212 m
Nkana-Kitwe (see Kitwe), Mwekera	Zambia		12° 59' 00" S 28° 12' 00" E	1212 m
Nkane-Kitwe (see Kitwe), Mwekera	Zambia		12° 59' 00" S 28° 12' 00" E	1212 m
Nyamandhlovu (see also: Nyamandholovu)	Zimbabwe		19° 52' 00" S 28° 16' 00" E	1212 m
Nyamandholovu (see Nyamandhlovu)	Zimbabwe		19° 52' 00" S 28° 16' 00" E	1212 m
Tabora	Tanzania		5° 01' 00" S 32° 48' 00" E	1212 m
Kwa Mtoro, Kilimatinde, Singida	Tanzania		5° 14' 00" S 35° 26' 00" E	1214 m
Mkalama	Tanzania		4° 07' 00" S 34° 38' 00" E	1215 m
Masinai (see Masindi)	Uganda		1° 40' 28" N 31° 42' 54" E	1216 m
Masindi (see also: Masinai)	Uganda		1° 40' 28" N 31° 42' 54" E	1216 m
Otyo (see Outjo)	Namibia		20° 07' 00" S 16° 09' 00" E	1216 m
Outjo (see also: Otyo)	Namibia		20° 07' 00" S 16° 09' 00" E	1216 m
Jos	Nigeria		9° 55' 00" N 8° 54' 00" E	1217 m
Matale	Congo (Democratic Republic of the)		2° 39' 17" S 28° 21' 55" E	1217 m
Gross Barmen	Namibia		22° 06' 00" S 16° 45' 00" E	1218 m
Makueni (see also: Makueni Boma)	Kenya		1° 48' 00" S 37° 37' 00" E	1218 m
Makueni Boma (see Makueni)	Kenya		1° 48' 00" S 37° 37' 00" E	1218 m
Budongo Forest, ca. 25 km NW of Masindi (see also: Budongo Forest Nature Reserve, Masindi, ca. 25 km NW)	Uganda		1° 44' 16" N 31° 33' 22" E	1219 m
Chembeshi River, Kasama	Zambia		10° 20' 00" S 31° 58' 00" E	1219 m
Cholo, mount (see Thyolo, mount)	Malawi		16° 05' 00" S 35° 09' 00" E	1219 m
Inyazura (see Nyazura)	Zimbabwe		18° 43' 00" S 32° 10' 00" E	1219 m
Kamama (church)	Kenya		0° 26' 00" S 37° 28' 00" E	1219 m
Kampala district	Uganda		0° 20' 00" N 32° 35' 00" E	1219 m
Karolinenhof [farmstead]	Namibia		22° 27' 00" S 19° 52' 00" E	1219 m
Kasanka	Zambia		12° 40' 00" S 30° 19' 00" E	ca. 1219 m
Katungulu (see Katunguru)	Tanzania		2° 31' 00" S 32° 40' 00" E	1219 m
Katunguru (see also: Katungulu)	Tanzania		2° 31' 00" S 32° 40' 00" E	1219 m
Luombwa River	Zambia		12° 30' 00" S 29° 55' 00" E	1219 m
Machakos, mear	Kenya	ca.	1° 31' 00" S 37° 16' 00" E	1219 m
Mara River, South West Kenya	Kenya			1219 m
Masindi, ca. 25 km NW (see Budongo Forest)	Uganda		1° 44' 16" N 31° 33' 22" E	1219 m
Mitunbur (see Mtembur)	Kenya		1° 21' 00" N 35° 03' 00" E	1219 m
Mlanje Mountain (see Mulanje mountains)	Malawi		15° 58' 00" S 35° 38' 00" E	1219 m
Mlanje Plateau (see Mulanje mountains)	Malawi		15° 58' 00" S 35° 38' 00" E	1219 m
Moringside (see also: Morningside)	Tanzania		6° 53' 00" S 37° 40' 00" E	1219 m
Morningside (see Moringside)	Tanzania		6° 53' 00" S 37° 40' 00" E	1219 m
Mount Marsabit (see Marsabit, mount)	Kenya		2° 17' 24" N 37° 56' 41" E	1219 m
Mulanje mountains (see also: Mlanje Mountain, Mlanje Plateau, Mulanje Plateau)	Malawi		15° 58' 00" S 35° 38' 00" E	1219 m
Mulanje Plateau (see Mulanje mountains)	Malawi		15° 58' 00" S 35° 38' 00" E	1219 m
Nimule	South Sudan		3° 36' 00" N 32° 03' 00" E	1219 m
Nyazura (see also: Inyazura, Nyazure)	Zimbabwe		18° 43' 00" S 32° 10' 00" E	1219 m
Nyazure (see Nyazura)	Zimbabwe		18° 43' 00" S 32° 10' 00" E	1219 m
Rutshuru (see also: Ruchuru)	Congo (Democratic Republic of the)		1° 11' 03" S 29° 26' 56" E	1219 m
S Jebel Marra, foothills	Sudan		12° 54' 00" N 24° 21' 00" E	1219 m
Sonsor river	Uganda		1° 46' 00" N 31° 33' 00" E	1219 m
Soroti, 25 mi [=40 km] N	Uganda		2° 04' 59" N 33° 37' 00" E	1219 m
Suyan Lugga, Bansaloi area, Mount Kenya	Kenya		0° 10' 00" S 37° 20' 00" E	1219 m

Thyolo, mount, Magombe and Satemwa Tea Estates (see also: Cholo, mount, Magombe and Satemwa Tea Estates, Mount Thyolo)	Malawi		16° 05' 00" S 35° 09' 00" E	1219 m
Ukwala	Kenya		0° 11' 36" N 34° 11' 22" E	1219 m
West Pokot Escarpment	Kenya		1° 28' 00" N 35° 01' 00" E	1219 m
Amakura, 10 mi [=16 km] N Nambale (see also: Amukara, Amukura, Amukura Mission, Nambale,10 mi [=16 km] N, Saint Paul's Amukura Secondary School)	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Amukara (see Amakura), 10 mi [=16 km] N Nambale	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Amukura (see Amakura), 10 mi [=16 km] N Nambale	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Amukura Mission (see Amakura), 10 mi [=16 km] N Nambale	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Chilanga, 10 mi S Lusaka (see also: Lusaka, 10 mi [=16 km] S)	Zambia		15° 33' 00" S 28° 17' 00" E	1220 m
Lusaka, 10 mi [=16 km] S (see Chilanga)	Zambia		15° 33' 00" S 28° 17' 00" E	1220 m
Manera forest	Ethiopia		6° 54' 00" N 36° 42' 00" E	1220 m
Nambale,10 mi [=16 km] N (see Amakura)	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Saint Paul's Amukura Secondary School (see Amakura), 10 mi [=16 km] N Nambale	Kenya		0° 34' 14" N 34° 16' 19" E	1220 m
Pretoria North, Pretoria	South Africa		25° 39' 44" S 28° 09' 55" E	1222 m
Amdat (see Amudat), (ex Karamoja district?)	Uganda		1° 57' 00" N 34° 57' 00" E	1223 m
Kibanda	Congo (Democratic Republic of the)		8° 57' 00" S 27° 38' 00" E	1223 m
Vila Coutinho	Mozambique		14° 44' 04" S 34° 22' 22" E	1223 m
Dala, 15 km W, on Tshiumbe River	Angola		11° 02' 00" S 20° 12' 00" E	1224 m
Kalomo	Zambia		17° 03' 00" S 26° 30' 00" E	1224 m
Brits, 25.5 km S, 14.7 Km E (see Crocodile River Bank)	South Africa		25° 51' 00" S 27° 56' 00" E	1225 m
Bunyenzi	Congo (Democratic Republic of the)		1° 10' 00" S 29° 27' 00" E	1225 m
Crocodile River Bank, 25.5 km S, 14.7 Km E Brits (see also: Brits, 25.5 km S, 14.7 Km E)	South Africa		25° 51' 00" S 27° 56' 00" E	1225 m
Nyabitembe river	Congo (Democratic Republic of the)		1° 13' 00" S 29° 24' 00" E	1225 m
Karonge	Burundi		3° 02' 43" S 29° 20' 01" E	1226 m
Mount Mecula (see Serra Mecula)	Mozambique		12° 04' 48" S 37° 38' 24" E	1227 m
Serra Mecula (see also: Mount Mecula)	Mozambique		12° 04' 48" S 37° 38' 24" E	1227 m
Luanshya (see also: Luanshyo)	Zambia		13° 08' 00" S 28° 24' 00" E	1228 m
Luanshyo (see Luanshya)	Zambia		13° 08' 00" S 28° 24' 00" E	1228 m
Mwaya, lake Nyasa	Malawi		12° 28' 00" S 33° 43' 00" E	1228 m
Mukuta (see Mututa)	Congo (Democratic Republic of the)		11° 21' 00" S 27° 47' 00" E	1229 m
Mututa (see also: Mukuta)	Congo (Democratic Republic of the)		11° 21' 00" S 27° 47' 00" E	1229 m
Nyanga	Tanzania		4° 11' 23" S 30° 06' 19" E	1230 m
Bafut	Cameroon		6° 05' 00" N 10° 06' 00" E	1231 m
Mazoe (see Mazowe)	Zimbabwe		17° 31' 00" S 30° 58' 00" E	1231 m
Mazowe (see also: Mazoe)	Zimbabwe		17° 31' 00" S 30° 58' 00" E	1231 m
Dundee, 1 km E (see Lennox Farm)	South Africa		28° 09' 20" S 30° 17' 57" E	1232 m
Lennox Farm, 1 km E Dundee (see also: Dundee, 1 km E)	South Africa		28° 09' 20" S 30° 17' 57" E	1232 m
Robi	Ethiopia		10° 00' 00" N 39° 54' 00" E	1232 m
Knoffelfontein	South Africa		29° 52' 00" S 24° 49' 00" E	1233 m
Luchoff, 16 mi [=25.7 km] S (see Luchoff, 16 mi [=25.7 km] S) (see also: Luchoff, 16 mi [=25.7 km] S)	South Africa		29° 52' 00" S 24° 49' 00" E	1233 m
Choma, 12 mi [=19 km] NW	Zambia	ca.	16° 40' 56" S 26° 49' 58" E	1234 m
De Aar, 8.7 km S, 8.5 km W (see Farm Swartkoppies)	South Africa		30° 43' 45" S 23° 55' 21" E	1234 m
Farm Swartkoppies, 8.7 km S, 8.5 km W De Aar (see also: De Aar, 8.7 km S, 8.5 km W, Swartkoppies, Farm)	South Africa		30° 43' 45" S 23° 55' 21" E	1234 m
Swartkoppies, Farm (see Farm Swartkoppies)	South Africa		30° 43' 45" S 23° 55' 21" E	1234 m
Daredawa (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dirdabò (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daba (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daoua (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Daua (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Dawa (see also: Daredawa, Dirdabò, Dire Daba, Dire Daoua, Dire Daua, Dire Dawa, Dire Dewa, Direaoua, Diré-Daoua, Direduia)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Dawa (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m
Dire Dewa (see Dire Dawa)	Ethiopia		9° 35' 00" N 41° 52' 00" E	1236 m

Direaoua (see Dire Dawa)	Ethiopia	9° 35' 00" N 41° 52' 00" E	1236 m
Diré-Daoua (see Dire Dawa)	Ethiopia	9° 35' 00" N 41° 52' 00" E	1236 m
Direduia (see Dire Dawa)	Ethiopia	9° 35' 00" N 41° 52' 00" E	1236 m
Palwar, 45 mi [=72 km] S Torit (see also: Torit, 45 mi [=72 km] S)	South Sudan	3° 55' 00" N 32° 36' 00" E	1237 m
Torit, 45 mi [=72 km] S (see Palwar)	South Sudan	3° 55' 00" N 32° 36' 00" E	1237 m
Kingulube	Congo (Democratic Republic of the)	2° 38' 57" S 28° 01' 17" E	1238 m
New Beni (see Beni)	Congo (Democratic Republic of the)	0° 30' 00" N 29° 28' 00" E	1238 m
Hoopstad, Sandveld Nature Reserve	South Africa	27° 50' 00" S 25° 55' 00" E	1240 m
Kasama	Zambia	10° 12' 00" S 31° 12' 00" E	1240 m
Chipita (see Chitipa)	Malawi	9° 43' 00" S 33° 16' 00" E	1242 m
Chitipa (see also: Chipita, Chitipa Township, Fort Hill)	Malawi	9° 43' 00" S 33° 16' 00" E	1242 m
Chitipa Township (see Chitipa)	Malawi	9° 43' 00" S 33° 16' 00" E	1242 m
Djohong (see also: Doumba)	Cameroon	6° 50' 00" N 14° 42' 00" E	1242 m
Doumba (see Djohong)	Cameroon	6° 50' 00" N 14° 42' 00" E	1242 m
Fort Hill (see Chitipa)	Malawi	9° 43' 00" S 33° 16' 00" E	1242 m
Kasapa	Congo (Democratic Republic of the)	11° 34' 00" S 27° 25' 00" E	1243 m
Mbabane	Swaziland	26° 19' 00" S 31° 08' 00" E	1243 m
Municipal Farm, near Middelburg	South Africa		1248 m
Lady Selborne, Pretoria (see also: Ladyselborne)	South Africa	25° 42' 00" S 28° 08' 00" E	1249 m
Ladyselborne (see Lady Selborne), Pretoria	South Africa	25° 42' 00" S 28° 08' 00" E	1249 m
Bukoba, Lake Victoria	Tanzania	1° 19' 54" S 31° 46' 44" E	1250 m
Farm 468 (Sandfontein) (see Farm Sandfontein 468)	Namibia	22° 18' 00" S 19° 59' 00" E	1250 m
Farm Sandfontein 468, Gobabis, E (see also: Farm 468 (Sandfontein), Sandfontein (farmstead), Sandfontein, Farm 468)	Namibia	22° 18' 00" S 19° 59' 00" E	1250 m
Gahama (see also: Kahama)	Congo (Democratic Republic of the)	1° 13' 00" S 29° 28' 00" E	1250 m
Geramihasha river, affluent of Rodahira river	Congo (Democratic Republic of the)	1° 13' 00" S 29° 27' 00" E	1250 m
Gobabis, 40 mi [=64 km] W (see Witvlei)	Namibia	22° 24' 00" S 18° 29' 00" E	1250 m
Grootfontein (see also: Groutfontein)	Namibia	19° 34' 00" S 18° 06' 00" E	1250 m
Groutfontein (see Grootfontein)	Namibia	25° 01' 00" S 16° 45' 00" E	1250 m
Kadehe River	Congo (Democratic Republic of the)	1° 09' 00" S 29° 29' 00" E	1250 m
Kahama (see Gahama)	Congo (Democratic Republic of the)	1° 13' 00" S 29° 28' 00" E	1250 m
Kisisile	Congo (Democratic Republic of the)	1° 25' 00" S 29° 30' 00" E	1250 m
Numkaub	Namibia	18° 36' 00" S 19° 42' 00" E	1250 m
Nyakichozi	Rwanda	1° 23' 00" S 30° 37' 00" E	1250 m
Osohama	Namibia	18° 32' 00" S 16° 49' 00" E	1250 m
Sandfontein (farmstead) (see Farm Sandfontein 468)	Namibia	22° 18' 00" S 19° 59' 00" E	1250 m
Sandfontein, Farm 468 (see Farm Sandfontein 468)	Namibia	22° 18' 00" S 19° 59' 00" E	1250 m
Tengeru (see also: Tenguru)	Tanzania	3° 23' 00" S 36° 50' 00" E	1250 m
Witvlei, 40 mi [=64 km] W Gobabis (see also: Gobabis, 40 mi [=64 km] W, Witvley)	Namibia	22° 24' 00" S 18° 29' 00" E	1250 m
Witvley (see Witvlei), 40 mi [=64 km] W Gobabis	Namibia	22° 24' 00" S 18° 30' 00" E	1250 m
Mafeking, 5 km outside (see Mafikeng, 5 km outside)	South Africa	25° 52' 00" S 25° 39' 00" E	1252 m
Mafikeng, 5 km outside (see also: Mafeking, 5 km outside)	South Africa	25° 52' 00" S 25° 39' 00" E	1252 m
Panyam [Fish Farm]	Nigeria	9° 25' 00" N 9° 13' 00" E	1252 m
Chelmsford Nature Reserve, 30 km S Newcastle (see also: Newcastle, 30 km S)	South Africa	27° 57' 54" S 29° 55' 18" E	1253 m
Jadotville, ca. 8 km S (see Kakontwe)	Congo (Democratic Republic of the)	10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwa (see Kakontwe), road to Kambove	Congo (Democratic Republic of the)	10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwe, road to Kambove, ca. 8 km S Likasi (see also: Grotte de Kalomoni, Jadotville, ca. 8 km S, Kakontwa, Kakontwe Camp, Kalomoni cave, Kalomoni grot, Likasi, ca. 8 km S)	Congo (Democratic Republic of the)	10° 59' 00" S 26° 40' 00" E	1253 m
Kakontwe Camp (see Kakontwe), Likasi, ca. 8 km S	Congo (Democratic Republic of the)	10° 59' 00" S 26° 40' 00" E	1253 m
Likasi, ca. 8 km S (see Kakontwe)	Congo (Democratic Republic of the)	10° 59' 00" S 26° 40' 00" E	1253 m
Newcastle, 30 km S (see Chelmsford Nature Reserve)	South Africa	27° 57' 54" S 29° 55' 18" E	1253 m
Aruscha (see Arusha), Chini, Mushi	Tanzania	3° 22' 00" S 36° 41' 00" E	1254 m

Arusha, Chini, Mushi (see also: Aruscha, Arusha Chini)	Tanzania	3° 22' 00" S 36° 41' 00" E	1254 m
Arusha Chini (see Arusha)	Tanzania	3° 22' 00" S 36° 41' 00" E	1254 m
Boshof (see also: Hertzogville)	South Africa	28° 33' 00" S 25° 14' 00" E	1254 m
Hertzogville (see Boshof)	South Africa	28° 33' 00" S 25° 14' 00" E	1254 m
Fort Hall (see Murang'a)	Kenya	0° 43' 00" S 37° 09' 00" E	1255 m
Murang'a (see also: Fort Hall)	Kenya	0° 43' 00" S 37° 09' 00" E	1255 m
Blat Latome (see Latome), 60 mi [=96 km] ESE Torit	South Sudan	4° 07' 00" N 33° 37' 00" E	1257 m
Kilubulushi (see Kitubulushi)	Congo (Democratic Republic of the)	12° 44' 00" S 28° 56' 00" E	1257 m
Kitubulushi (see also: Kilubulushi)	Congo (Democratic Republic of the)	12° 44' 00" S 28° 56' 00" E	1257 m
Latome, 60 mi [=96 km] ESE Torit (see also: Blat Latome, Torit, 60 mi [=96 km] ESE)	South Sudan	4° 07' 00" N 33° 37' 00" E	1257 m
Torit, 60 mi [=96 km] ESE (see Latome)	South Sudan	4° 07' 00" N 33° 37' 00" E	1257 m
Kabambi	Congo (Democratic Republic of the)	0° 51' 00" N 29° 39' 00" E	1260 m
Sinoville, Pretoria	South Africa	25° 40' 11" S 28° 14' 01" E	1261 m
Kinyala (see also: Kinyara)	Uganda	1° 38' 00" N 31° 35' 00" E	1262 m
Kinyara (see Kinyala)	Uganda	1° 38' 00" N 31° 35' 00" E	1262 m
Rosslyn, Pretoria	South Africa	25° 37' 27" S 28° 05' 39" E	1262 m
Petrusburg	South Africa	29° 07' 00" S 25° 25' 00" E	1263 m
Alto Cuilo (see also: Alto Kwilu, Cuilo)	Angola	10° 01' 00" S 19° 33' 00" E	1264 m
Alto Kwilu (see Alto Cuilo)	Angola	10° 01' 00" S 19° 33' 00" E	1264 m
Cuilo (see Alto Cuilo)	Angola	10° 01' 00" S 19° 33' 00" E	1264 m
Vryheid Hill Nature Reserve	South Africa	27° 45' 18" S 30° 47' 15" E	1264 m
Ganyesa	South Africa	26° 33' 00" S 24° 11' 00" E	1265 m
Isoga	Congo (Democratic Republic of the)	3° 20' 00" S 28° 12' 00" E	1266 m
Lipumba, Matengo Heights	Tanzania	10° 51' 00" S 35° 02' 00" E	1266 m
Mumias	Kenya	0° 20' 11" N 34° 29' 21" E	1268 m
Nabumali	Uganda	0° 59' 16" N 34° 12' 33" E	1268 m
Eringete (see Eringite)	Congo (Democratic Republic of the)	0° 51' 00" N 29° 37' 00" E	1270 m
Eringite (see also: Eringete, Iringite)	Congo (Democratic Republic of the)	0° 51' 00" N 29° 37' 00" E	1270 m
Iringite (see Eringite)	Congo (Democratic Republic of the)	0° 51' 00" N 29° 37' 00" E	1270 m
Lajuma Research Center	South Africa	23° 02' 24" S 29° 26' 24" E	1270 m
Luica River (see Rio Luica), affluent of R. Cuango-Muqué, Alto Chicapa	Angola	10° 46' 00" S 19° 12' 00" E	ca. 1270 m
Lusaka	Zambia	15° 25' 00" S 28° 17' 00" E	1270 m
Luvhondo Private Nature Reserve	South Africa	23° 02' 24" S 29° 26' 24" E	1270 m
Rio Luica, affluent of R. Cuango-Muqué, Alto Chicapa (see also: Luica River)	Angola	10° 46' 00" S 19° 12' 00" E	ca. 1270 m
Lotome	Uganda	2° 20' 04" N 34° 34' 10" E	1271 m
Otjosongombe (see Otjozongombe), Waterberg	Namibia	18° 50' 00" S 13° 58' 00" E	1271 m
Otjozongombe, Waterberg (see also: Otjosongombe)	Namibia	18° 50' 00" S 13° 58' 00" E	1271 m
Pretoria	South Africa	25° 42' 25" S 28° 13' 46" E	1271 m
Kaponda (see also: Kaponde, Kapondo)	Congo (Democratic Republic of the)	11° 45' 00" S 27° 20' 00" E	1274 m
Kaponde (see Kaponda)	Congo (Democratic Republic of the)	11° 45' 00" S 27° 20' 00" E	1274 m
Kapondo (see Kaponda)	Congo (Democratic Republic of the)	11° 45' 00" S 27° 20' 00" E	1274 m
New Mucklenuek, 351 Rey Street	South Africa	25° 41' 12" S 28° 11' 56" E	1274 m
Bothaville	South Africa	27° 22' 00" S 26° 37' 00" E	1275 m
Kabulonga	Zambia	15° 25' 00" S 28° 21' 00" E	1275 m
Kilinga	Congo (Democratic Republic of the)	1° 10' 00" S 28° 29' 00" E	1275 m
Murambi, near Rutshuru	Congo (Democratic Republic of the)	1° 08' 00" S 29° 27' 00" E	1275 m
Ait Ouarzazate (see Warzat)	Morocco	30° 55' 31" N 6° 54' 48" W	1276 m
Aït Ouarzazate (see Warzat)	Morocco	30° 55' 31" N 6° 54' 48" W	1276 m
Bondo, Central Nyanza	Kenya	0° 06' 00" S 34° 16' 00" E	1276 m
Everton (see Everdon)	South Africa	29° 27' 00" S 30° 15' 00" E	1276 m
Goba	Ethiopia	8° 01' 00" N 40° 23' 00" E	1276 m
Kondowe (see Livingstonia)	Malawi	10° 36' 22" S 34° 06' 23" E	1276 m
Lai Lay (see Lailai)	Congo (Democratic Republic of the)	1° 56' 55" S 28° 34' 19" E	1276 m

Lailai (see also: Lai Lay)	Congo (Democratic Republic of the)	1° 56' 55" S 28° 34' 19" E	1276 m
Livingstonia (see also: Kondowe, Livingstonia Mission)	Malawi	10° 36' 22" S 34° 06' 23" E	1276 m
Livingstonia Mission (see Livingstonia)	Malawi	10° 36' 22" S 34° 06' 23" E	1276 m
Mahenge, near Kilosa	Tanzania	8° 41' 00" S 36° 43' 00" E	1276 m
Manjoni (see Manyoni)	Tanzania	5° 45' 00" S 34° 50' 00" E	1276 m
Manyoni (see also: Manjoni)	Tanzania	5° 45' 00" S 34° 50' 00" E	1276 m
New Castle (see Newcastle)	South Africa	27° 45' 29" S 29° 55' 54" E	1276 m
Newcastle (see also: New Castle)	South Africa	27° 45' 29" S 29° 55' 54" E	1276 m
Ouarzazat (see Warzat)	Morocco	30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazate (see Warzat)	Morocco	30° 55' 31" N 6° 54' 48" W	1276 m
Ouarzazte (see Warzat)	Morocco	30° 55' 31" N 6° 54' 48" W	1276 m
Ouorzazate (see Warzat)	Morocco	30° 55' 31" N 6° 54' 48" W	1276 m
Rumphi (see also: Rumpi, Rumpi Boma)	Malawi	11° 01' 10" S 33° 51' 17" E	1276 m
Rumpi (see Rumphi)	Malawi	11° 01' 10" S 33° 51' 17" E	1276 m
Rumpi Boma (see Rumphi)	Malawi	11° 01' 10" S 33° 51' 17" E	1276 m
Senegerma	Tanzania	2° 40' 00" S 32° 39' 00" E	1276 m
Uarzazatas (see Warzat)	Morocco	30° 55' 31" N 6° 54' 48" W	1276 m
Warzat (see also: Ait Ouarzazate, Aït Ouarzazate, Ouarzazat, Ouarzazate, Ouarzazte, Ouorzazate, Uarzazatas, Warzazat, Warzazat)	Morocco	30° 55' 31" N 6° 54' 48" W	1276 m
Warzazat (see Warzat)	Morocco	30° 55' 31" N 6° 54' 48" W	1276 m
Warzazat (see Warzat)	Morocco	30° 55' 31" N 6° 54' 48" W	1276 m
Zawan, 2 mi [=3.2 km] S Jos	Nigeria	9° 45' 18" N 8° 52' 29" E	1276 m
Eagles Nest Farm, Soutpansberg	South Africa	22° 58' 26" S 29° 55' 59" E	1277 m
Hargeisa (see Hargeysa)	Somalia	9° 35' 00" N 44° 04' 00" E	1277 m
Hargesa (see Hargeysa)	Somalia	9° 35' 00" N 44° 04' 00" E	1277 m
Hargeysa (see also: Hargeisa, Hargesa)	Somalia	9° 35' 00" N 44° 04' 00" E	1277 m
Sakania (see also: Sakania mission)	Congo (Democratic Republic of the)	12° 45' 00" S 28° 34' 00" E	1278 m
Sakania mission (see Sakania)	Congo (Democratic Republic of the)	12° 45' 00" S 28° 34' 00" E	1278 m
Baga cave (see Baya cave)	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Baya carrière (see Baya quarry), 30 km S Lubumbashi	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Baya cave (see Baya quarry) (see also: Baga cave, Grotte de Baya, Grotte de M'baya, M'baya cave, M'baya grot)	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Baya grot (see Baya quarry)	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Baya quarry, 30 km S Lubumbashi (see also: Baya carrière, Baya cave, Baya grot, Carrière Baya, Carrière Pierkat, Lubumbashi, 30 km S, Pierkat quarry)	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Carrière Baya (see Baya quarry), 30 km S Lubumbashi	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Carrière Pierkat (see Baya quarry)	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Grotte de Baya (see Baya cave)	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Grotte de M'baya (see Baya cave), near Lubumbashi	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Lubumbashi, 30 km S (see Baya quarry)	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
M'baya cave (see Baya cave), near Lubumbashi	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
M'baya grot (see Baya cave), near Lubumbashi	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Pierkat quarry (see Baya quarry)	Congo (Democratic Republic of the)	11° 52' 00" S 27° 27' 00" E	1279 m
Catchpole's Farm, Irumu-Bunia road	Congo (Democratic Republic of the)	ca. 1° 28' 04" N 30° 03' 36" E	1280 m
De Aar,13.4 km N, 6.4 km E	South Africa	30° 31' 44" S 24° 04' 39" E	1280 m
Inakiluba (see also: Nakiluba, Nakilubo)	Congo (Democratic Republic of the)	11° 34' 00" S 27° 19' 00" E	1280 m
Lusaka, 10 km NW (see Ngwerere cave)	Zambia	15° 19' 00" S 28° 19' 00" E	1280 m
Nakiluba (see Inakiluba)	Congo (Democratic Republic of the)	11° 34' 00" S 27° 19' 00" E	1280 m

Nakilubo (see Inakiluba)	Congo (Democratic Republic of the)	11° 34' 00" S 27° 19' 00" E	1280 m
Ngwerere cave, 10 km NW Lusaka (see also: Lusaka, 10 km NW)	Zambia	15° 19' 00" S 28° 19' 00" E	1280 m
Pietersburg (see Polokwane)	South Africa	23° 54' 00" S 29° 27' 00" E	1281 m
Polokwane (see also: Pietersburg)	South Africa	23° 54' 00" S 29° 27' 00" E	1281 m
Luckhoff	South Africa	29° 45' 00" S 24° 47' 00" E	1283 m
Arba Mench (see Arba Minch')	Ethiopia	6° 02' 00" N 37° 33' 00" E	1284 m
Arba Minch' (see also: Arba Mench, Arba Minch, Arba Mintch, Gantar, Minghi)	Ethiopia	6° 02' 00" N 37° 33' 00" E	1284 m
Arba Minch (see Arba Minch')	Ethiopia	6° 02' 00" N 37° 33' 00" E	1284 m
Arba Mintch (see Arba Minch')	Ethiopia	6° 02' 00" N 37° 33' 00" E	1284 m
Gantar (see Arba Minch')	Ethiopia	6° 02' 00" N 37° 33' 00" E	1284 m
Minghi (see Arba Minch')	Ethiopia	6° 02' 00" N 37° 33' 00" E	1284 m
Karoi (see also: Karoyi)	Zimbabwe	16° 49' 00" S 29° 41' 00" E	1285 m
Karoyi (see Karoi)	Zimbabwe	16° 49' 00" S 29° 41' 00" E	1285 m
Kinke, near Lubumbashi	Congo (Democratic Republic of the)	11° 27' 00" S 27° 29' 00" E	1287 m
Antananarivo (see also: Antananarivu, Tana, Tananarive)	Madagascar	18° 55' 00" S 47° 31' 00" E	1288 m
Antananarivu (see Antananarivo)	Madagascar	18° 55' 00" S 47° 31' 00" E	1288 m
Tana (see Antananarivo)	Madagascar	18° 55' 00" S 47° 31' 00" E	1288 m
Tananarive (see Antananarivo)	Madagascar	18° 55' 00" S 47° 31' 00" E	1288 m
Pic de Foko	Guinea	8° 29' 35" N 8° 53' 48" W	1289 m
Luena (see also: Luene, Luso, Luzo, Vila Luso, Vila Luzo, Vila Luzu, Villa Luso)	Angola	11° 47' 00" S 19° 55' 00" E	1291 m
Luene (see Luena)	Angola	11° 47' 00" S 19° 55' 00" E	1291 m
Luso (see Luena)	Angola	11° 47' 00" S 19° 55' 00" E	1291 m
Luzo (see Luena)	Angola	11° 47' 00" S 19° 55' 00" E	1291 m
Vila Luso (see Luena)	Angola	11° 47' 00" S 19° 55' 00" E	1291 m
Vila Luzo (see Luena)	Angola	11° 47' 00" S 19° 55' 00" E	1291 m
Vila Luzu (see Luena)	Angola	11° 47' 00" S 19° 55' 00" E	1291 m
Villa Luso (see Luena)	Angola	11° 47' 00" S 19° 55' 00" E	1291 m
Grotte de Kakontwe (see Kakontwe cave), Likasi, ca. 8 km S	Congo (Democratic Republic of the)	10° 59' 00" S 26° 38' 00" E	1294 m
Grotte de Kalomoni (see Kakontwe)	Congo (Democratic Republic of the)	10° 59' 00" S 26° 40' 00" E	1294 m
Kakontwe cave, Likasi, ca. 8 km S (see also: Grotte de Kakontwe, Kakontwe grot)	Congo (Democratic Republic of the)	10° 59' 00" S 26° 38' 00" E	1294 m
Kakontwe grot (see Kakontwe cave), Likasi, ca. 8 km S	Congo (Democratic Republic of the)	10° 59' 00" S 26° 38' 00" E	1294 m
Kalomoni cave (see Kakontwe), Likasi, 8 km S	Congo (Democratic Republic of the)	10° 59' 00" S 26° 40' 00" E	1294 m
Kalomoni grot (see Kakontwe), Likasi, 8 km S	Congo (Democratic Republic of the)	10° 59' 00" S 26° 40' 00" E	1294 m
Bethulie, Eendrag, Subdivision 2 of Damfontein [518]	South Africa	30° 30' 00" S 25° 58' 00" E	1295 m
Norvalspont	South Africa	30° 38' 00" S 25° 27' 00" E	1296 m
Niabiondo (see Nyabiondo)	Congo (Democratic Republic of the)	1° 15' 00" S 28° 45' 00" E	1297 m
Nyabiondo, near Masisi (see also: Niabiondo)	Congo (Democratic Republic of the)	1° 15' 00" S 28° 45' 00" E	1297 m
Abbotsbury, 27.5 km N, 6 km E Graaff-Reinet (see also: Graaff-Reinet, 27.5 km N, 6 km E)	South Africa	32° 00' 14" S 24° 31' 08" E	1300 m
Ambavafatra	Madagascar	22° 08' 58" S 47° 01' 25" E	1300 m
Biangolo	Congo (Democratic Republic of the)	0° 25' 00" N 29° 45' 00" E	1300 m
Bumali	Congo (Democratic Republic of the)	0° 21' 00" N 29° 45' 00" E	1300 m
Byrhytes mine, Ngwenya-Oshoek	Swaziland	26° 13' 00" S 31° 02' 00" E	1300 m
Farm 39 (Opelo Süd) (see Farm Opelo Süd 39)	Namibia	21° 16' 52" S 15° 59' 50" E	1300 m
Farm 91 (Tjirundo) (see Farm Tjirundo 91)	Namibia	21° 12' 50" S 15° 52' 20" E	1300 m
Farm Opelo Süd 39, 14.9 km N, 4.6 km E Omaruru (see also: Farm 39 (Opelo Süd), Omaruru, 6 km E, Opelo Süd, Farm 39)	Namibia	21° 16' 52" S 15° 59' 50" E	1300 m
Farm Tjirundo 91, Omaruru, 24.5 km N, 7.8 km W (see also: Farm 91 (Tjirundo), Tjirundo, Farm 91)	Namibia	21° 12' 50" S 15° 52' 20" E	1300 m
Fuko	Congo (Democratic Republic of the)	1° 15' 00" S 29° 28' 00" E	1300 m
Fuko (river)	Congo (Democratic Republic of the)	1° 15' 00" S 29° 28' 00" E	1300 m
Graaff-Reinet, 27.5 km N, 6 km E (see Abbotsbury)	South Africa	32° 00' 14" S 24° 31' 08" E	1300 m

Grotte de Kiasala (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Grotte de Kyasala (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Jauro Masali	Nigeria		6° 20' 00" N 3° 25' 00" E	1300 m
Kanyawamukunzi river	Congo (Democratic Republic of the)		1° 10' 00" S 29° 34' 00" E	1300 m
Kiasala cave, near Lubudi (see also: Grotte de Kiasala, Grotte de Kyasala, Kiasala grot, Kyasala cave, Kyasala grande grotte, Kyasala grot)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Kiasala grot (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Kibanga	Congo (Democratic Republic of the)		8° 50' 00" S 26° 44' 00" E	1300 m
Kyasala cave (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Kyasala grande grotte (see Kiasala cave)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Kyasala grot (see Kiasala cave), near Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1300 m
Lundjulu	Congo (Democratic Republic of the)		0° 20' 00" S 28° 36' 00" E	1300 m
Mangbwelu river	Congo (Democratic Republic of the)		0° 21' 00" N 29° 44' 00" E	1300 m
Mbalizi, 13 km W (see Tegemo farm)	Tanzania	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
Mukwande river	Congo (Democratic Republic of the)		0° 19' 00" N 29° 42' 00" E	1300 m
Omaruru, 6 km E (see Farm Opelo Süd 39)	Namibia		21° 16' 52" S 15° 59' 50" E	1300 m
Opelo Süd, Farm 39 (see Farm Opelo Süd 39)	Namibia		21° 16' 52" S 15° 59' 50" E	1300 m
Oprocage, farm, near Moba, Luba	Equatorial Guinea	ca.	3° 20' 00" N 8° 40' 00" E	1300 m
Otavi, 25.2 km N, 23.5 km W (see Tkai-Tkab Sinkhole, Etosha)	Namibia		19° 20' 30" S 17° 20' 30" E	1300 m
Piet Retief	South Africa		27° 00' 00" S 30° 48' 00" E	1300 m
Rusenyi river	Congo (Democratic Republic of the)		1° 12' 00" S 29° 35' 00" E	1300 m
Songwe Valley (see Tegemo farm), 13 km W Mbalizi	Tanzania	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
Tananarivo	Madagascar		18° 55' 00" S 47° 31' 00" E	1300 m
Tegemo farm, 13 km W Mbalizi (see also: Mbalizi, 13 km W, Songwe Valley)	Tanzania	ca.	9° 56' 35" S 33° 13' 04" E	1300 m
Tjirundo, Farm 91 (see Farm Tjirundo 91)	Namibia		21° 12' 50" S 15° 52' 20" E	1300 m
Tkai-Tkab Sinkhole, Etosha, 25.2 km N, 23.5 km W Otavi (see also: Otavi, 25.2 km N, 23.5 km W)	Namibia		19° 20' 30" S 17° 20' 30" E	1300 m

1301 - 1400 m:

Doornsloot	South Africa		24° 01' 00" S 28° 22' 00" E	ca. 1301 m
Baringo (see Mukutan)	Kenya		0° 38' 00" N 36° 16' 00" E	1303 m
Mukutan (see also: Baringo, Ol Mukutan)	Kenya		0° 38' 00" N 36° 16' 00" E	1303 m
Ol Mukutan (see Mukutan)	Kenya		0° 38' 00" N 36° 16' 00" E	1303 m
Ndola	Zambia		12° 58' 00" S 28° 38' 00" E	1304 m
Alto Chicapa (see also: Alto Chikapa, Alto Shikapa)	Angola		10° 53' 00" S 19° 14' 00" E	1305 m
Alto Chikapa (see Alto Chicapa)	Angola		10° 53' 00" S 19° 14' 00" E	1305 m
Alto Shikapa (see Alto Chicapa)	Angola		10° 53' 00" S 19° 14' 00" E	1305 m
Kanye, near Lobatse (see also: Kaoye)	Botswana		24° 59' 00" S 25° 19' 00" E	1306 m
Kaoye (see Kanye), Lobatsi district	Botswana		24° 59' 00" S 25° 19' 00" E	1306 m
Lubudi (see also: Lubudi, large cave, Lubudi, small cave, Lusolo cave)	Congo (Democratic Republic of the)		9° 57' 00" S 25° 58' 00" E	1307 m
Lubudi, large cave (see Lubudi)	Congo (Democratic Republic of the)		9° 57' 00" S 25° 58' 00" E	1307 m
Lubudi, small cave (see Lubudi)	Congo (Democratic Republic of the)		9° 57' 00" S 25° 58' 00" E	1307 m
Lusolo cave (see Lubudi)	Congo (Democratic Republic of the)		9° 57' 00" S 25° 58' 00" E	1307 m
Stockenstroms Kop (see Stokenstroms Kop)	South Africa		30° 36' 00" S 25° 24' 00" E	1307 m
Stokenstrom (see Stokenstroms Kop)	South Africa		30° 36' 00" S 25° 24' 00" E	1307 m
Stokenstroms Kop (see also: Stockenstroms Kop, Stokenstrom)	South Africa		30° 36' 00" S 25° 24' 00" E	1307 m
Kiuu	Kenya		0° 36' 00" S 37° 09' 00" E	1308 m

Vredefort Dome World Heritage Site, 1.8 km NW - 3.0 km NNE Venterskroon (see also: Venterskroon, 1.8 km NW - 3.0 km NNE)	South Africa	ca.	26° 52' 39" S 27° 15' 15" E	1310 m
Kacheliba, 16 mi [=25.7 km] NNE (see Nakuchett)	Kenya		1° 46' 00" N 35° 07' 00" E	1311 m
Nakuchett, 16 mi NNE Kacheliba (see also: Kacheliba, 16 mi [=25.7 km] NNE)	Kenya		1° 46' 00" N 35° 07' 00" E	1311 m
Kuruman, Municipal Bird Sanctuary	South Africa		27° 26' 41" S 23° 25' 31" E	1314 m
Marungu	Tanzania		3° 44' 00" S 30° 48' 00" E	1317 m
Donnybrook, 15 km W (see Hlabeni Forest Reserve)	South Africa		29° 57' 00" S 29° 46' 00" E	1318 m
Farm 'des grands bois' (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Hlabeni Forest Reserve, 15 km W Donnybrook (see also: Donnybrook, 15 km W)	South Africa		29° 57' 00" S 29° 46' 00" E	1318 m
Jadotstad (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Jadotsville (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Jadotville (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Jadoville (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Likasi (see also: Farm 'des grands bois', Jadotstad, Jadotsville, Jadotville, Jadoville, Mission Sainte Thérèse, Panda Camp, St Therese mission, St. Theresa mission)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Mission Sainte Thérèse (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Panda Camp (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
St Therese mission (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
St. Theresa mission (see Likasi)	Congo (Democratic Republic of the)		10° 58' 53" S 26° 44' 00" E	1318 m
Choma	Zambia		16° 49' 00" S 26° 59' 00" E	1320 m
Farm 22 (Ombarahewa) (see Farm Ombarahewa 22)	Namibia		20° 27' 50" S 16° 18' 32" E	1320 m
Farm Ombarahewa 22, 0.7 km N, 35.2 km W Otjiwarongo (see also: Farm 22 (Ombarahewa), Ombarahewa, Farm 22, Otjiwarongo, 0.7 km N, 35.2 km W)	Namibia		20° 27' 50" S 16° 18' 32" E	1320 m
Fort Laperine (see Tamanrasset)	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Fort Laperrine (see Tamanrasset)	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Ombarahewa, Farm 22 (see Farm Ombarahewa 22)	Namibia		20° 27' 50" S 16° 18' 32" E	1320 m
Otjiwarongo, 0.7 km N, 35.2 km W (see Farm Ombarahewa 22)	Namibia		20° 27' 50" S 16° 18' 32" E	1320 m
Sunnyside, Pretoria	South Africa		25° 45' 00" S 28° 13' 00" E	1320 m
Tamahrasset (see Tamanrasset)	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Tamanghasset (see Tamanrasset)	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Tamanrasset (see also: Fort Laperine , Fort Laperrine, Tamahrasset, Tamanghasset)	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Tamanrasset, oasis	Algeria		22° 47' 06" N 5° 31' 22" E	1320 m
Sterkstroom, Carnarvon, subdivision of Grootvlei	South Africa		31° 34' 00" S 26° 33' 00" E	1322 m
Mubende (see also: Mubendi)	Uganda		0° 35' 21" N 31° 21' 36" E	1323 m
Mubendi (see Mubende)	Uganda		0° 35' 21" N 31° 21' 36" E	1323 m
Okahandja (see also: Okahanja)	Namibia		21° 59' 00" S 16° 55' 00" E	1324 m
Okahanja (see Okahandja)	Namibia		21° 59' 00" S 16° 55' 00" E	1324 m
Salujinga	Zambia		10° 58' 00" S 24° 07' 00" E	1324 m
Nyakariba river, affluent of Fuko river	Congo (Democratic Republic of the)		1° 13' 00" S 29° 24' 00" E	1325 m
Kounden	Cameroon		5° 42' 00" N 10° 40' 00" E	1326 m
Kuruman	South Africa		27° 27' 00" S 23° 26' 00" E	1327 m
Kipushi	Congo (Democratic Republic of the)		11° 46' 00" S 27° 14' 00" E	1329 m
Bunia (see also: Ngioni)	Congo (Democratic Republic of the)		1° 34' 00" N 30° 15' 00" E	1332 m
Ngioni (see Bunia)	Congo (Democratic Republic of the)		1° 34' 00" N 30° 15' 00" E	1332 m
Tit	Algeria		22° 57' 42" N 5° 11' 51" E	1332 m
Chinkolobwe (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux Farm, cave I (see Shinkolobwe)	Congo (Democratic Republic of the)		11° 02' 00" S 26° 29' 00" E	1334 m

Dethioux Farm, cave II (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux Farm, Tantara cave (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, grot I (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, grot II (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Dethioux hoeve, Tantara grot (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Grotte de Tantara, ferme Dethioux (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Grotte I, ferme Dethioux (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Grotte II, ferme Dethioux (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Lajuma wetland (see Lajuma)	South Africa	23° 02' 18" S 29° 26' 34" E	1334 m
Shainkolobwe (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Shinkolobwe, road to Kasenga (see also: Chinkolobwe, Dethioux Farm, cave I, Dethioux Farm, cave II, Dethioux Farm, Tantara cave, Dethioux hoeve, grot I, Dethioux hoeve, grot II, Dethioux hoeve, Tantara grot, Grotte de Tantara, ferme Dethioux, Grotte I, ferme Dethioux, Grotte II, ferme Dethioux, Shainkolobwe, Tantara cave, Trou aux Serpents)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Tantara cave (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Trou aux Serpents (see Shinkolobwe)	Congo (Democratic Republic of the)	11° 02' 00" S 26° 29' 00" E	1334 m
Ngutu (see Nqutu)	South Africa	28° 12' 44" S 30° 40' 31" E	1336 m
Nqutu (see also: Ngutu)	South Africa	28° 12' 44" S 30° 40' 31" E	1336 m
Fort Rixon, Makovani Estate	Zimbabwe	20° 01' 00" S 29° 16' 00" E	1337 m
Kya irtumbi (see Mutwanga)	Congo (Democratic Republic of the)	0° 20' 00" N 29° 45' 00" E	1338 m
Mutwanga, Ruwenzori W (see also: Kya irtumbi)	Congo (Democratic Republic of the)	0° 20' 00" N 29° 45' 00" E	1338 m
Ambohijoky, 17 km S Tananarive, Palace-Castle Rock (see also: Antananarivo, 17 km S, Palace Rock, Tananarive, 17 km S)	Madagascar	19° 03' 00" S 47° 29' 00" E	1340 m
Antananarivo, 17 km S (see Ambohijoky)	Madagascar	19° 03' 00" S 47° 29' 00" E	1340 m
Palace Rock (see Ambohijoky)	Madagascar	19° 03' 00" S 47° 29' 00" E	1340 m
Tananarive, 17 km S (see Ambohijoky)	Madagascar	19° 03' 00" S 47° 29' 00" E	1340 m
Lynnwood (see also: Lywood)	South Africa	25° 45' 42" S 28° 16' 39" E	1341 m
Lynnwood Glen, Pretoria	South Africa	25° 45' 42" S 28° 16' 38" E	1341 m
Lywood (see Lynnwood)	South Africa	25° 45' 42" S 28° 16' 39" E	1341 m
Potchefstroom, Potchefstroom; Kleinfontein	South Africa	26° 43' 00" S 27° 06' 00" E	1341 m
Rutshuru zone (see Rutshuru territory)	Congo (Democratic Republic of the)	1° 11' 00" N 29° 27' 00" E	1341 m
Uluguru North Forest Reserve, 3 km W, 1.3 km N Tegetero (see also: Tegetero, 3 km W, 1.3 km N)	Tanzania	6° 55' 00" S 37° 42' 00" E	1345 m
Colline Rubona (see Rubona)	Rwanda	2° 19' 00" S 29° 56' 00" E	1346 m
Rubona (see also: Colline Rubona)	Rwanda	2° 19' 00" S 29° 56' 00" E	1346 m
2002 RAP Site 1	Guinea	8° 31' 52" N 8° 54' 21" W	1350 m
Abysse de Swanepoel II, near Kambove	Congo (Democratic Republic of the)	10° 51' 00" S 26° 41' 00" E	ca. 1350 m
Black Eagle Lodge	South Africa	23° 00' 39" S 29° 45' 49" E	1350 m
Bongeya river	Congo (Democratic Republic of the)		1350 m
Brits, 14 km S, 10.5 km W (see Trident Kloof)	South Africa	25° 46' 00" S 27° 40' 00" E	1350 m
Bunyoro, Busingiro	Uganda	1° 45' 00" N 31° 35' 00" E	1350 m
Bushdinka (see Busholinka river)	Congo (Democratic Republic of the)	1° 11' 00" S 29° 29' 00" E	1350 m
Busholinka river (see also: Bushdinka)	Congo (Democratic Republic of the)	1° 11' 00" S 29° 29' 00" E	1350 m
Chipata Camp (see also: Chipata Hill)	Malawi	13° 04' 00" S 33° 55' 00" E	1350 m
Chipata Hill (see Chipata Camp)	Malawi	13° 04' 00" S 33° 55' 00" E	1350 m
Feather River [farmstead]	South Africa	25° 00' 14" S 30° 53' 40" E	1350 m
Grotte Swanepoel I (see Swanepoel I cave), near Kambove	Congo (Democratic Republic of the)	10° 50' 00" S 26° 39' 00" E	ca. 1350 m

Kapenguria, 10 mi [=16 km] NNW (see Kongelai Escarpment)	Kenya		1° 28' 00" N 35° 01' 00" E	1350 m
Karakuwisa (see Karakuwise)	Namibia		18° 56' 00" S 19° 44' 00" E	1350 m
Karakuwise (see also: Karakuwisa, Karkubera)	Namibia		18° 56' 00" S 19° 44' 00" E	1350 m
Karkubera (see Karakuwise)	Namibia		18° 56' 00" S 19° 44' 00" E	1350 m
Kasebaya river (see Kasebeya River)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1350 m
Kasebeya River (see also: Kasebaya river)	Congo (Democratic Republic of the)		1° 10' 00" S 29° 28' 00" E	1350 m
Kongelai, on Kaiboni River or on Suam River	Kenya		1° 28' 00" N 35° 01' 00" E	1350 m
Magaliesberg	South Africa		25° 46' 00" S 27° 40' 00" E	1350 m
Modimolle, 3 km NW (see also: Nylstroom, 3 km NW)	South Africa		24° 40' 20" S 28° 22' 38" E	1350 m
Morro Palmira, near Pico Macambrará (see also: Palmira, hill)	São Tomé and Principé		0° 17' 00" N 6° 36' 00" E	1350 m
Nylstroom, 3 km NW (see Modimolle, 3 km NW)	South Africa		24° 40' 20" S 28° 22' 38" E	1350 m
Palmira, hill (see Morro Palmira)	São Tomé and Principé		0° 17' 00" N 6° 36' 00" E	1350 m
Pico Macambrara (see Macambrará)	São Tomé and Principé		0° 16' 00" N 6° 38' 00" E	1350 m
Swanepoel I cave, near Kambove (see also: Grotte Swanepoel I, Swanepoel I grot)	Congo (Democratic Republic of the)		10° 50' 00" S 26° 39' 00" E	ca. 1350 m
Swanepoel I grot (see Swanepoel I cave), near Kambove	Congo (Democratic Republic of the)		10° 50' 00" S 26° 39' 00" E	ca. 1350 m
Swanepoel II abyss, near Kambove	Congo (Democratic Republic of the)		10° 51' 00" S 26° 42' 00" E	ca. 1350 m
Trident Kloof, 14 km S, 10.5 km W Brits (see also: Brits, 14 km S, 10.5 km W)	South Africa		25° 46' 00" S 27° 40' 00" E	1350 m
Bulawayo	Zimbabwe		20° 09' 00" S 28° 35' 00" E	1351 m
Chartwell, Johannesburg	South Africa		26° 00' 00" S 27° 58' 00" E	1351 m
Mageta (see Mugeta)	Tanzania		1° 57' 00" S 34° 12' 00" E	1354 m
Mugeta (see also: Mageta)	Tanzania		1° 57' 00" S 34° 12' 00" E	1354 m
Usangi, North Pare Mountains	Tanzania		3° 42' 00" S 37° 40' 00" E	1355 m
Doornhoek, Dannhauser	South Africa		28° 29' 00" S 29° 25' 00" E	1357 m
Deelfontein, Farm (see Farm Deelfontein)	South Africa		30° 58' 00" S 23° 46' 00" E	1359 m
Farm Deelfontein (see also: Deelfontein, Farm)	South Africa		31° 02' 00" S 23° 46' 00" E	1359 m
Namanga	Kenya	ca.	2° 33' 00" S 36° 48' 00" E	1359 m
Aliwal North, Roodewal (see also: Aliwal-Noord)	South Africa		30° 42' 00" S 26° 42' 00" E	1360 m
Aliwal-Noord (see Aliwal North), Roodewal	South Africa		30° 42' 00" S 26° 42' 00" E	1360 m
Farm 376 (Mooihoek) (see Farm Mooihoek 376)	Namibia		20° 08' 45" S 15° 52' 48" E	1360 m
Farm Mooihoek 376, 4.4 km S, 28.3 km W Outjo (see also: Farm 376 (Mooihoek), Mooihoek, Farm 376, Outjo, 4.4 km S, 28.3 km W)	Namibia		20° 08' 45" S 15° 52' 48" E	1360 m
Maroto (see Moroto)	Uganda		2° 29' 45" N 34° 40' 10" E	1360 m
Marumbi	Congo (Democratic Republic of the)		1° 10' 00" N 29° 30' 00" E	1360 m
Mooihoek, Farm 376 (see Farm Mooihoek 376)	Namibia		20° 08' 45" S 15° 52' 48" E	1360 m
Moroto (see also: Maroto)	Uganda		2° 29' 45" N 34° 40' 10" E	1360 m
Outjo, 4.4 km S, 28.3 km W (see Farm Mooihoek 376)	Namibia		20° 08' 45" S 15° 52' 48" E	1360 m
Lydenburg, Lydenburg (see also: Lydenburg Krantz)	South Africa		25° 06' 00" S 30° 27' 00" E	1363 m
Abiy No. 3, 0.5 km S, near Gambela	Ethiopia	ca.	8° 12' 00" N 35° 20' 00" E	1364 m
Grotte de Mulungwishi (see Mulungwishi, cave), near Likasi	Congo (Democratic Republic of the)		10° 46' 58" S 26° 37' 52" E	1366 m
Helensvale	Zimbabwe		17° 43' 45" S 31° 08' 42" E	1366 m
Mulungwishi, cave, near Likasi (see also: Grotte de Mulungwishi)	Congo (Democratic Republic of the)		10° 46' 58" S 26° 37' 52" E	1366 m
Solwezi (see also: Solwezi Boma)	Zambia		12° 11' 00" S 26° 24' 00" E	1366 m
Solwezi Boma (see Solwezi)	Zambia		12° 11' 00" S 26° 24' 00" E	1366 m
Pretoria Boy's High School	South Africa		25° 45' 31" S 28° 13' 47" E	1368 m
Cambisa	Angola		15° 19' 00" S 16° 13' 00" E	1369 m
Cheno	Ethiopia		9° 42' 03" N 39° 54' 30" E	1369 m
Queenswood, Pretoria	South Africa		25° 44' 00" S 28° 15' 00" E	1369 m
Kaoko Otavi (see also: Gauko-Otavi, Gauko-Otawi, Kaoko-Otavi)	Namibia		18° 18' 00" S 13° 42' 00" E	1370 m
Kaoko-Otavi (see Kaoko Otavi)	Namibia		18° 18' 00" S 13° 42' 00" E	1370 m
Maiyanga (see also: Mianga, road)	Nigeria		9° 24' 00" N 8° 54' 00" E	1370 m
Mianga, road (see Maiyanga)	Nigeria		9° 24' 00" N 8° 54' 00" E	1370 m

Okorosave	Namibia		18° 11' 00" S 13° 50' 00" E	1370 m
University of Pretoria, Zoology Building	South Africa		25° 45' 13" S 28° 13' 50" E	1370 m
Sultan Hamud	Kenya		2° 01' 00" S 37° 22' 00" E	1371 m
Arusha, 6 mi [=9.7 km] S	Tanzania		3° 35' 00" S 37° 20' 00" E	1372 m
Bwalo, near Fort Jameson	Zambia		13° 45' 00" S 32° 45' 00" E	1372 m
Chilmangiaro (see Mount Kilimanjaro)	Tanzania		3° 04' 00" S 37° 22' 00" E	1372 m
De Hoek Forest Station (see De Hoek Staatsbos), Tzaneen, 15 km W	South Africa		23° 49' 37" S 30° 02' 53" E	1372 m
De Hoek Staatsbos, Tzaneen, 15 km W (see also: De Hoek Forest Station, De Hoekbosreservaat, Letaba, 15 km W, Tzaneen, 15 km W)	South Africa		23° 49' 37" S 30° 02' 53" E	1372 m
De Hoekbosreservaat (see De Hoek Staatsbos), Tzaneen, 15 km W	South Africa		23° 49' 37" S 30° 02' 53" E	1372 m
Kaiboni River	Kenya		1° 26' 00" N 35° 04' 00" E	1372 m
Kasama Boma	Zambia		10° 13' 00" S 31° 10' 00" E	1372 m
Kichwamba, near	Uganda			1372 m
Kilimandcharo (see Mount Kilimanjaro)	Tanzania		3° 04' 00" S 37° 22' 00" E	1372 m
Kilimanjaro, mount (see Mount Kilimanjaro)	Tanzania		3° 04' 00" S 37° 22' 00" E	1372 m
Kongelai, 3 mi [=4.8 km] S	Kenya	ca.	1° 28' 00" N 35° 01' 00" E	1372 m
Letaba, 15 km W (see De Hoek Staatsbos)	South Africa		23° 49' 37" S 30° 02' 53" E	1372 m
Mard river	Kenya	ca.	1° 15' 00" S 35° 45' 00" E	1372 m
Morok river	Kenya		0° 20' 28" N 35° 37' 56" E	1372 m
Mount Kilimanjaro (see also: Chilmangiaro, Kilimandcharo, Kilimanjaro, mount)	Tanzania		3° 04' 00" S 37° 22' 00" E	1372 m
Nchisi, mount	Malawi		13° 22' 00" S 34° 01' 00" E	1372 m
Ntchisi, mount	Malawi		13° 22' 00" S 34° 01' 00" E	1372 m
Rumuruti, 40 mi [=64 km] N	Kenya	ca.	0° 16' 00" N 36° 32' 00" E	1372 m
Swan river (see Suam river), Kongelai Escarpment	Kenya		1° 48' 00" N 35° 09' 00" E	1372 m
Swom river (see Suam river), Kongelai Escarpment	Kenya		1° 48' 00" N 35° 09' 00" E	1372 m
Tzaneen, 15 km W (see De Hoek Staatsbos)	South Africa		23° 49' 37" S 30° 02' 53" E	1372 m
Unyaganyi (see Unyang'anyi)	Tanzania		4° 50' 00" S 35° 00' 00" E	1372 m
Unyang'anyi (see also: Unyaganyi, Unyanganyi)	Tanzania		4° 50' 00" S 35° 00' 00" E	1372 m
Unyanganyi (see Unyang'anyi)	Tanzania		4° 50' 00" S 35° 00' 00" E	1372 m
Victoria West (see also: Victoria-Wes)	South Africa		31° 24' 06" S 23° 07' 10" E	1372 m
Victoria-Wes (see Victoria West)	South Africa		31° 24' 06" S 23° 07' 10" E	1372 m
Ampara Fara (see Amparafara), Perinet, Moramanga, Tamatave	Madagascar		18° 41' 00" S 47° 35' 00" E	1373 m
Amparafara, Perinet, Moramanga, Tamatave (see also: Ampara Fara)	Madagascar		18° 41' 00" S 47° 35' 00" E	1373 m
Crowned Eagle Lodge, below	South Africa		23° 00' 40" S 29° 45' 48" E	1374 m
Maboya (see Maboyo)	Congo (Democratic Republic of the)		0° 19' 00" N 29° 20' 00" E	1374 m
Maboyo (see also: Maboya)	Congo (Democratic Republic of the)		0° 19' 00" N 29° 20' 00" E	1374 m
Mongbwala (see Mongbwalu)	Congo (Democratic Republic of the)		1° 57' 00" N 30° 02' 00" E	1374 m
Mongbwalu (see also: Mongbwala)	Congo (Democratic Republic of the)		1° 57' 00" N 30° 02' 00" E	1374 m
Bronkhorstspruit (see also: Erasmus)	South Africa		25° 48' 30" S 28° 44' 26" E	1375 m
Edenburg, Roodepoort [105]	South Africa		29° 44' 00" S 25° 56' 00" E	1375 m
Erasmus (see Bronkhorstspruit)	South Africa		25° 48' 30" S 28° 44' 26" E	1375 m
Mpolokoso (see Mporokoso)	Zambia		9° 23' 00" S 30° 08' 00" E	1380 m
Mporokoso (see also: Mpolokoso)	Zambia		9° 23' 00" S 30° 08' 00" E	1380 m
Niarembe (see also: Niarombe)	Congo (Democratic Republic of the)		2° 15' 00" N 31° 07' 00" E	1382 m
Niarombe (see Niarembe)	Congo (Democratic Republic of the)		2° 15' 00" N 31° 07' 00" E	1382 m
Rehoboth	Namibia		23° 19' 00" S 17° 05' 00" E	1382 m
Scech Hussein (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Scech Hussen (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Sheh Husen (see also: Scech Hussein, Scech Hussen, Sheik Hussein, Sheikh Hussein, Shek Husen, Shek Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Sheik Hussein (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Sheikh Hussein (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Shek Husen (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Shek Husen (see Sheh Husen)	Ethiopia		7° 45' 00" N 40° 42' 00" E	1385 m
Wasa (see Wasa Wago forest)	Congo (Democratic Republic of the)		1° 44' 00" N 30° 39' 00" E	1386 m

Wasa Wago forest, between Blukwa and Lake Albert (see also: Wasa)	Congo (Democratic Republic of the)		1° 44' 00" N 30° 39' 00" E	1386 m
Hanover, Uilfontein	South Africa		31° 04' 00" S 24° 27' 00" E	1387 m
Branfort	South Africa		28° 41' 39" S 26° 27' 27" E	1388 m
Ikelenge Pedicle between the Sakeji and Zambezi rivers, approximately 11 km NNE of source of Zambezi river, Kavunda, Mwinilunga district	Zambia		11° 17' 00" S 24° 21' 00" E	1388 m
Helmeringshausen	Namibia		25° 53' 00" S 16° 49' 00" E	1390 m
Topetope	Congo (Democratic Republic of the)		2° 16' 00" S 28° 03' 00" E	1390 m
Garsfontein, Pretoria	South Africa		24° 48' 03" S 28° 17' 44" E	1394 m
Mangola, SW Oldeami (see also: Mongola)	Tanzania		3° 26' 00" S 35° 25' 00" E	1394 m
Mongola (see Mangola), SW Oldeami	Tanzania		3° 26' 00" S 35° 25' 00" E	1394 m
Mutsora Station	Congo (Democratic Republic of the)		0° 19' 00" N 29° 45' 00" E	1394 m
Riebeeckstad, Kroonstad (see also: Riebeekstad)	South Africa		27° 55' 00" S 26° 49' 00" E	1394 m
Riebeekstad (see Riebeeckstad), Kroonstad	South Africa		27° 55' 00" S 26° 49' 00" E	1394 m
El Kelaa n'Tazarine (see Tazarine)	Morocco		33° 52' 48" N 4° 10' 48" W	1395 m
Tazarine (see also: El Kelaa n'Tazarine, Tazarine-des-Zerarda, Tazzarine)	Morocco		33° 52' 48" N 4° 10' 48" W	1395 m
Tazarine-des-Zerarda (see Tazarine)	Morocco		33° 52' 48" N 4° 10' 48" W	1395 m
Tazzarine (see Tazarine)	Morocco		33° 52' 48" N 4° 10' 48" W	1395 m
Forbes Gold Mine, Malalotja (see also: Forbes Reef Gold Mine, Forbes Reef mine)	Swaziland		26° 10' 00" S 31° 06' 00" E	1396 m
Forbes Reef Gold Mine (see Forbes Gold Mine), Malalotja	Swaziland		26° 10' 00" S 31° 06' 00" E	1396 m
Forbes Reef mine (see Forbes Gold Mine), Malalotja	Swaziland		26° 10' 00" S 31° 06' 00" E	1396 m
Waterkloof, Pretoria	South Africa		25° 46' 41" S 28° 14' 09" E	1396 m
Day Forest National Park	Djibouti	ca.	11° 46' 01" N 42° 39' 00" E	1400 m
Day, mount (see Mount Day)	Djibouti		11° 46' 01" N 42° 39' 00" E	1400 m
Farm 33 (Schwarzerfels) (see Farm Schwarzerfels 33)	Namibia		20° 27' 15" S 16° 16' 25" E	1400 m
Farm Schwarzerfels 33, 38.8 km W Otjiwarongo (see also: Farm 33 (Schwarzerfels), Otjiwarongo, 38.8 km W, Schwarzerfels, Farm 33)	Namibia		20° 27' 15" S 16° 16' 25" E	1400 m
Gabiro	Rwanda		1° 31' 00" S 30° 28' 00" E	1400 m
Gihinda (see Gihinga)	Rwanda		1° 24' 00" S 30° 37' 00" E	1400 m
Gihinga (see also: Gihinda)	Rwanda		1° 24' 00" S 30° 37' 00" E	1400 m
Itremo, 2.5 km W	Madagascar		20° 35' 38" S 46° 37' 04" E	1400 m
Kakitumba	Rwanda		1° 29' 00" S 30° 17' 00" E	1400 m
Kano valley (see Kanovlei)	Namibia		19° 14' 00" S 19° 20' 00" E	1400 m
Kano Vley (see Kanovlei)	Namibia		19° 16' 00" S 19° 23' 00" E	1400 m
Kanovlei (see also: Kano valley, Kano Vley)	Namibia		19° 14' 00" S 19° 20' 00" E	1400 m
Kitongo	Congo (Democratic Republic of the)		3° 46' 00" S 28° 11' 00" E	1400 m
Kroonstad, 20 mi [=32 km] E (see Lehmkuhlsrust)	South Africa		27° 39' 00" S 27° 33' 00" E	1400 m
Lehmkuhlsrust, 20 mi E Kroonstad (see also: Kroonstad, 20 mi [=32 km] E)	South Africa		27° 39' 00" S 27° 33' 00" E	1400 m
Ombombo (waterhole)	Namibia		18° 41' 00" S 13° 57' 00" E	1400 m
Otjiwarongo, 38.8 km W (see Farm Schwarzerfels 33)	Namibia		20° 28' 13" S 16° 16' 25" E	1400 m
Schwarzerfels, Farm 33 (see Farm Schwarzerfels 33)	Namibia		20° 27' 15" S 16° 16' 25" E	1400 m
Uhafiwa Luhega Forest, Uhafiwa, near	Tanzania		8° 30' 00" S 35° 51' 00" E	1400 m

1401 - 1500 m:

Muyombe	Zambia		10° 35' 00" S 32° 28' 00" E	1401 m
Reddersburg (see also: Reddersburgh Farm)	South Africa		29° 39' 11" S 26° 10' 04" E	1402 m
Reddersburgh Farm (see Reddersburg)	South Africa		29° 39' 11" S 26° 10' 04" E	1402 m
Waterfalls	Zimbabwe		17° 52' 52" S 31° 02' 39" E	1402 m
Paulpietersburg, 30 km NW (see Pongola Bush Nature Reserve)	South Africa	ca.	27° 19' 06" S 30° 30' 22" E	1404 m
Pongola Bush Nature Reserve, 30 km NW Paulpietersburg (see also: Paulpietersburg, 30 km NW)	South Africa	ca.	27° 19' 06" S 30° 30' 22" E	1404 m
Kondoa (see also: Kondoa Irangi)	Tanzania		4° 54' 00" S 35° 47' 00" E	1405 m
Kondoa Irangi (see Kondoa)	Tanzania		4° 54' 00" S 35° 47' 00" E	1405 m
Valhalla, Pretoria	South Africa		25° 48' 42" S 28° 09' 01" E	1405 m
Kikagati mine	Uganda		1° 06' 13" S 30° 41' 17" E	1407 m
Waterberg Game Farm	South Africa		24° 06' 59" S 28° 23' 18" E	1410 m

Brandfort, Florisbad [686]	South Africa	28° 42' 00" S 26° 28' 00" E	1412 m
Karibumba	Congo (Democratic Republic of the)	0° 22' 00" N 29° 22' 00" E	1412 m
Mazumba Estate	Tanzania	4° 48' 00" S 38° 30' 00" E	1412 m
Banagi, Serengeti	Tanzania	2° 16' 00" S 34° 51' 00" E	1413 m
Bali	Cameroon	5° 53' 00" N 11° 01' 00" E	1415 m
Tsolwana Game Ranch, 4.0 km N, 29.0 km W Whittlesea (see also: Whittlesea, 4.0 km N, 29.0 km W)	South Africa	32° 09' 00" S 26° 31' 00" E	1415 m
Whittlesea, 4.0 km N, 29.0 km W (see Tsolwana Game Ranch)	South Africa	32° 09' 00" S 26° 31' 00" E	1415 m
Bunduki	Tanzania	7° 02' 00" S 37° 38' 00" E	1416 m
Gobabis	Namibia	22° 27' 00" S 18° 58' 00" E	1417 m
Ottoshoop	South Africa	25° 45' 00" S 25° 57' 00" E	1417 m
Thabazimbi (see also: Thambazimbi)	South Africa	24° 36' 00" S 27° 24' 00" E	1420 m
Thambazimbi (see Thabazimbi)	South Africa	24° 36' 00" S 27° 24' 00" E	1420 m
Bloemfontein	South Africa	29° 08' 00" S 26° 12' 00" E	1423 m
Issuna (see also: Isuna, Suna)	Tanzania	5° 23' 00" S 34° 46' 00" E	1423 m
Isuna (see Issuna)	Tanzania	5° 23' 00" S 34° 46' 00" E	1423 m
Suna (see Issuna)	Tanzania	5° 23' 00" S 34° 46' 00" E	1423 m
De Poort, Farm 378 (see Ventersburg)	South Africa	28° 05' 00" S 27° 08' 00" E	1425 m
Farm 378 (De Poort) (see Ventersburg)	South Africa	28° 05' 00" S 27° 08' 00" E	1425 m
Farm De Poort 378 (see Ventersburg)	South Africa	28° 05' 00" S 27° 08' 00" E	1425 m
Gladstone	South Africa	30° 17' 00" S 28° 25' 00" E	1425 m
Ventersburg (see also: De Poort, Farm 378, Farm 378 (De Poort), Farm De Poort 378, Willem Pretorius Game Reserve, Willempretoriuswildtuin)	South Africa	28° 05' 00" S 27° 08' 00" E	1425 m
Wonderboom, Pretoria (see also: Wonderboom cave)	South Africa	25° 48' 00" S 28° 53' 00" E	1425 m
Wonderboom cave (see Wonderboom), Pretoria	South Africa	25° 48' 00" S 28° 53' 00" E	1425 m
Tello	Cameroon	7° 10' 00" N 14° 11' 00" E	1426 m
Elliot, Ben Becula	South Africa	31° 20' 00" S 27° 51' 00" E	1430 m
Monavale (see Monovale), Harare	Zimbabwe	17° 48' 17" S 31° 01' 00" E	1431 m
Monovale, Harare (see also: Monavale)	Zimbabwe	17° 48' 17" S 31° 01' 00" E	1431 m
Trompburg town (see Trompsburg)	South Africa	30° 02' 00" S 25° 47' 00" E	1431 m
Trompsburg (see also: Trompburg town, Trompsburg town)	South Africa	30° 02' 00" S 25° 47' 00" E	1431 m
Trompsburg town (see Trompsburg)	South Africa	30° 02' 00" S 25° 47' 00" E	1431 m
Bugesera (see also: Kanazi)	Rwanda	2° 08' 44" S 30° 05' 29" E	1432 m
Kanazi (see Bugesera)	Rwanda	2° 08' 44" S 30° 05' 29" E	1432 m
Mporokoso Boma	Zambia	9° 15' 00" S 30° 10' 00" E	1433 m
Mwinilunga, on Sakeji Stream	Zambia	11° 21' 00" S 24° 15' 00" E	1433 m
Jagersfontein, Ooskloof 20	South Africa	29° 46' 00" S 25° 25' 00" E	1436 m
Mabaye (see Mabayi)	Burundi	2° 42' 30" S 29° 14' 35" E	1436 m
Mabayi (see also: Mabaye)	Burundi	2° 42' 30" S 29° 14' 35" E	1436 m
Mbarara, Ankole district	Uganda	0° 39' 30" S 30° 40' 33" E	1436 m
Grotte de Kakanda (see Kakanda cave), Kolwezi or Haut Katanga province	Congo (Democratic Republic of the)	10° 47' 00" S 26° 36' 00" E	1438 m
Grotte de Kondo (see Kakanda cave)	Congo (Democratic Republic of the)	10° 47' 00" S 26° 36' 00" E	1438 m
Kakanda cave, on Lualaba (see also: Grotte de Kakanda, Grotte de Kondo, Kakanda grot, Kondo cave, Kondo grot)	Congo (Democratic Republic of the)	10° 47' 00" S 26° 36' 00" E	1438 m
Kakanda grot (see Kakanda cave), on Lualaba	Congo (Democratic Republic of the)	10° 47' 00" S 26° 36' 00" E	1438 m
Kondo cave (see Kakanda cave)	Congo (Democratic Republic of the)	10° 47' 00" S 26° 36' 00" E	1438 m
Kondo grot (see Kakanda cave)	Congo (Democratic Republic of the)	10° 47' 00" S 26° 36' 00" E	1438 m
Sheekh (see Shiikh)	Somalia	9° 56' 00" N 45° 11' 00" E	1439 m
Sheikh (see Shiikh)	Somalia	9° 56' 00" N 45° 11' 00" E	1439 m
Shiikh (see also: Sheekh, Sheikh, Upper Sheikh)	Somalia	9° 56' 00" N 45° 11' 00" E	1439 m
Upper Sheikh (see Shiikh)	Somalia	9° 56' 00" N 45° 11' 00" E	1439 m
Moemba village, Isoka district (see also: Mpemba village)	Zambia	10° 24' 00" S 33° 20' 00" E	1440 m
Mpemba village (see Moemba village)	Zambia	10° 24' 00" S 33° 20' 00" E	1440 m
Centurion (see also: Verwoerburg, Verwoerdburg)	South Africa	25° 52' 28" S 28° 10' 14" E	1443 m
Litambo	Angola	14° 50' 00" S 17° 17' 00" E	1443 m
Philippolis	South Africa	30° 16' 00" S 25° 17' 00" E	1443 m

Verwoerburg (see Centurion), Pretoria	South Africa	25° 52' 28" S 28° 10' 14" E	1443 m
Verwoerdburg (see Centurion)	South Africa	25° 52' 28" S 28° 10' 14" E	1443 m
Kambuzuma Township	Zimbabwe	17° 51' 16" S 30° 58' 02" E	1444 m
Artur de Paiva (see Kuvango)	Angola	14° 28' 00" S 16° 18' 00" E	1448 m
Capelongo (1) (see Kuvango)	Angola	14° 28' 00" S 16° 18' 00" E	1448 m
Cubango, Missao de (see Kuvango)	Angola	14° 28' 00" S 16° 18' 00" E	1448 m
Cubango, Missao de (see Kuvango)	Angola	14° 28' 00" S 16° 18' 00" E	1448 m
Kolwezi	Congo (Democratic Republic of the)	10° 43' 00" S 25° 28' 21" E	1448 m
Kubango (see Kuvango)	Angola	14° 28' 00" S 16° 18' 00" E	1448 m
Kuvango (see also: Artur de Paiva, Capelongo (1), Cubango, Missao de, Cubango, Missao de, Kubango, Kuvangu Mission, Vila Artur de Paiva, Vila da Ponte)	Angola	14° 28' 00" S 16° 18' 00" E	1448 m
Kuvangu Mission (see Kuvango)	Angola	14° 28' 00" S 16° 18' 00" E	1448 m
Masaka - Kigali	Rwanda	1° 59' 44" S 30° 11' 30" E	1448 m
Shiraz	Iran	29° 36' 00" N 52° 32' 00" E	1448 m
Vila Artur de Paiva (see Kuvango)	Angola	14° 28' 00" S 16° 18' 00" E	1448 m
Vila da Ponte (see Kuvango)	Angola	14° 28' 00" S 16° 18' 00" E	1448 m
Ambatofinandrahana, 3 km S (see also: unnamed cave)	Madagascar	20° 34' 20" S 46° 48' 32" E	1450 m
Burgersdorf (see Burgersdorp)	South Africa	30° 59' 00" S 26° 19' 00" E	1450 m
Burgersdorp (see also: Burgersdorf, Burghersdorp)	South Africa	30° 59' 00" S 26° 19' 00" E	1450 m
Burghersdorp (see Burgersdorp)	South Africa	30° 59' 00" S 26° 19' 00" E	1450 m
Eyerston Farm	Zimbabwe	17° 56' 37" S 31° 03' 22" E	1450 m
Farm 33JT (Sterkspruit) (see Farm Sterkspruit 33JT), Lydenberg	South Africa	25° 06' 50" S 30° 28' 50" E	1450 m
Farm Sterkspruit 33JT, Lydenberg (see also: Farm 33JT (Sterkspruit), Lydenberg Fisheries, Lydenberg Vissery, Lydenburg Fisheries, Sterkspruit, Farm 33JT)	South Africa	25° 06' 50" S 30° 28' 50" E	1450 m
Gisenyi (see also: Kisenyi, Kisenyi, road to Sake, Kissenji)	Rwanda	1° 41' 15" S 29° 15' 17" E	1450 m
Grotte de Mpopola (see Mpopola cave), Haut Lomami or Kolwezi province	Congo (Democratic Republic of the)	9° 56' 00" S 25° 58' 00" E	1450 m
Hermon	Lesotho	29° 44' 00" S 27° 07' 00" E	1450 m
Itremo (village)	Madagascar	20° 35' 38" S 46° 37' 15" E	1450 m
Kisenyi (see Gisenyi)	Rwanda	1° 41' 15" S 29° 15' 17" E	1450 m
Kisenyi, road to Sake (see Gisenyi)	Rwanda	1° 41' 15" S 29° 15' 17" E	1450 m
Kissenji (see Gisenyi)	Rwanda	1° 41' 15" S 29° 15' 17" E	1450 m
Lydenberg Fisheries (see Farm Sterkspruit 33JT)	South Africa	25° 06' 50" S 30° 28' 50" E	1450 m
Lydenberg Vissery (see Farm Sterkspruit 33JT)	South Africa	25° 06' 50" S 30° 28' 50" E	1450 m
Lydenburg Fisheries (see Farm Sterkspruit 33JT), Lydenberg	South Africa	25° 06' 50" S 30° 28' 50" E	1450 m
Mpopola cave (see also: Grotte de Mpopola, Mpopola grot)	Congo (Democratic Republic of the)	9° 56' 00" S 25° 58' 00" E	1450 m
Mpopola grot (see Mpopola cave), Haut Lomami or Kolwezi province	Congo (Democratic Republic of the)	9° 56' 00" S 25° 58' 00" E	1450 m
Sterkspruit, Farm 33JT (see Farm Sterkspruit 33JT), Lydenberg	South Africa	25° 06' 50" S 30° 28' 50" E	1450 m
unnamed cave (see Ambatofinandrahana, 3 km S), 3 km S Ambatofinandrahana	Madagascar	20° 34' 20" S 46° 48' 32" E	1450 m
Daniëlskuil	South Africa	28° 11' 00" S 23° 32' 00" E	1451 m
Dassie Cave (see Waterberg Game Farm, Dassie Cave), Waterberg	South Africa	24° 07' 03" S 28° 23' 08" E	1451 m
Dawsons (see Mvurwi), Nyamunyeche	Zimbabwe	17° 02' 00" S 30° 51' 00" E	1451 m
Mvurwi, Nyamunyeche (see also: Dawsons, Umvukwes)	Zimbabwe	17° 02' 00" S 30° 51' 00" E	1451 m
Umvukwes (see Mvurwi), Nyamunyeche	Zimbabwe	17° 02' 00" S 30° 51' 00" E	1451 m
Waterberg Game Farm, Dassie Cave, Waterberg (see also: Dassie Cave)	South Africa	24° 07' 03" S 28° 23' 08" E	1451 m
Suma	Tanzania	9° 12' 00" S 33° 43' 00" E	1452 m
Buhoro, 10 km W Mabaye (see also: Mabaye, 10 km W)	Burundi	2° 41' 55" S 29° 11' 08" E	1453 m
Dresden, Farm 366 (see Excelsior)	South Africa	28° 56' 00" S 27° 04' 00" E	1453 m
Excelsior (see also: Dresden, Farm 366, Farm 366 (Dresden), Farm Dresden 366)	South Africa	28° 56' 00" S 27° 04' 00" E	1453 m
Farm 366 (Dresden) (see Excelsior)	South Africa	28° 56' 00" S 27° 04' 00" E	1453 m
Farm Dresden 366 (see Excelsior)	South Africa	28° 56' 00" S 27° 04' 00" E	1453 m
Mabaye, 10 km W (see Buhoro)	Burundi	2° 41' 55" S 29° 11' 08" E	1453 m
Bushushu	Congo (Democratic Republic of the)	2° 01' 00" S 28° 54' 00" E	1455 m

Kadjidji (see Kajuju)	Congo (Democratic Republic of the)	2° 09' 00" S 28° 54' 00" E	1455 m
Kadjudju (see Kajuju)	Congo (Democratic Republic of the)	2° 09' 00" S 28° 54' 00" E	1455 m
Kajuchu (see Kajuju)	Congo (Democratic Republic of the)	2° 09' 00" S 28° 54' 00" E	1455 m
Kajuju (see also: Kadjidji, Kadjudju, Kajuchu)	Congo (Democratic Republic of the)	2° 09' 00" S 28° 54' 00" E	1455 m
Monument Park, Pretoria (see also: Monument Park caves)	South Africa	25° 48' 00" S 28° 14' 00" E	1456 m
Vredefort, Aasvogelrand-Oost (see also: Vredefort town)	South Africa	27° 01' 00" S 27° 23' 00" E	1456 m
Gafunzo	Rwanda	2° 23' 34" S 29° 02' 40" E	1457 m
Gafunzo Kigaga	Rwanda	2° 23' 34" S 29° 02' 40" E	1457 m
Kibuye	Rwanda	2° 03' 20" S 29° 20' 59" E	1457 m
Kassulo (see Kasulu)	Tanzania	4° 34' 36" S 30° 06' 09" E	1458 m
Kasulo (see Kasulu)	Tanzania	4° 34' 36" S 30° 06' 09" E	1458 m
Kasulu (see also: Kassulo, Kasulo)	Tanzania	4° 34' 36" S 30° 06' 09" E	1458 m
Fauresmith, Boringst.	South Africa	29° 45' 00" S 25° 19' 00" E	1460 m
Igembe, Nyambeni hills	Kenya	0° 15' 00" N 37° 55' 00" E	1460 m
Mumena, 70 km E Lubumbashi (see also: Lubumbashi, 70 km E, Mumene)	Congo (Democratic Republic of the)	11° 04' 00" S 28° 08' 00" E	1460 m
Mumena, 70 km E Lubumbashi	Congo (Democratic Republic of the)	11° 46' 00" S 26° 31' 00" E	1460 m
Mwalingo	Malawi	9° 40' 12" S 33° 31' 58" E	1460 m
Haenersburg (see Haenertsburg), Georges valley	South Africa	23° 56' 00" S 29° 57' 00" E	1461 m
Haenertsburg, Georges valley (see also: Haenersburg)	South Africa	23° 56' 00" S 29° 57' 00" E	1461 m
Chepundu River	Zambia	13° 00' 00" S 31° 00' 00" E	1463 m
Daraja na Moneu (see Nyamindi), 10 mi [=16 km] W Embu	Kenya	0° 40' 00" S 37° 25' 00" E	1463 m
Embu, 10 mi [=16 km] W (see Nyamindi)	Kenya	0° 40' 00" S 37° 25' 00" E	1463 m
Fandanana (see Fandriana)	Madagascar	20° 14' 00" S 47° 23' 00" E	1463 m
Fandriana (see also: Fandanana, Ifandriana)	Madagascar	20° 14' 00" S 47° 23' 00" E	1463 m
Ifandriana (see Fandriana)	Madagascar	20° 14' 00" S 47° 23' 00" E	1463 m
Nyamindi, 10 mi [=16 km] W Embu (see also: Daraja na Moneu, Embu, 10 mi [=16 km] W)	Kenya	0° 40' 00" S 37° 25' 00" E	1463 m
Seronera, Serengeti	Tanzania	2° 25' 00" S 34° 50' 00" E	1463 m
Bambu (see Kilomines)	Congo (Democratic Republic of the)	1° 48' 00" N 30° 14' 00" E	1466 m
Kilo mines (see Kilomines)	Congo (Democratic Republic of the)	1° 48' 00" N 30° 14' 00" E	1466 m
Kilomines (see also: Bambu, Kilo mines, Mines de Kilo)	Congo (Democratic Republic of the)	1° 48' 00" N 30° 14' 00" E	1466 m
Mines de Kilo (see Kilomines)	Congo (Democratic Republic of the)	1° 48' 00" N 30° 14' 00" E	1466 m
Weston Agricultural College	South Africa	29° 12' 45" S 30° 02' 15" E	1468 m
Agricultural Research Council [=ARC] grounds (see Irene), Pretoria	South Africa	25° 52' 08" S 28° 12' 59" E	1469 m
Cave of Death (see Irene), Pretoria	South Africa	25° 52' 08" S 28° 12' 59" E	1469 m
Ilolo, near Rungwe	Tanzania	9° 10' 00" S 33° 35' 00" E	1469 m
Irene (see also: Agricultural Research Council [=ARC] grounds, Cave of Death, Irene cave)	South Africa	25° 52' 08" S 28° 12' 59" E	1469 m
Irene cave (see Irene), Pretoria	South Africa	25° 52' 08" S 28° 12' 59" E	1469 m
Gauko-Otavi (see Kaoko Otavi)	Namibia	18° 18' 00" S 13° 42' 00" E	1471 m
Gauko-Otawi (see Kaoko Otavi)	Namibia	18° 18' 00" S 13° 42' 00" E	1471 m
Mount Day (see also: Day, mount)	Djibouti	11° 46' 00" N 42° 39' 00" E	1471 m
Makamba	Burundi	4° 08' 05" S 29° 48' 18" E	1472 m
Braeside	Zimbabwe	17° 50' 34" S 31° 03' 51" E	1477 m
Danielskuil	South Africa	28° 11' 04" S 23° 31' 48" E	1478 m
De Hoek, Cradock District	South Africa	31° 50' 00" S 26° 17' 00" E	1478 m
Mount Inago Forest Camp	Mozambique	15° 02' 42" S 37° 23' 46" E	1478 m
Enkombe Sawmill	Uganda	0° 16' 48" S 30° 07' 12" E	1480 m
Grotte de Katana (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Mahysha (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Grotte de Mahyusha (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m

Harare (see also: Harare Centre, Harare, 19 km NW, Salisbury)	Zimbabwe	17° 49' 04" S 31° 02' 41" E	1480 m
Harare Centre (see Harare)	Zimbabwe	17° 49' 04" S 31° 02' 41" E	1480 m
Katana cave (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Katana grot (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Mahysha cave (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Mahysha grot (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Mahyusa Cave (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Mahyusha cave (see also: Grotte de Katana, Grotte de Mahysha, Grotte de Mahyusha, Katana cave, Katana grot, Mahysha cave, Mahysha grot, Mahyusa Cave, Mahyusha grot)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Mahyusha grot (see Mahyusha cave)	Congo (Democratic Republic of the)	2° 13' 00" S 28° 50' 00" E	1480 m
Salisbury (see Harare)	Zimbabwe	17° 49' 04" S 31° 02' 41" E	1480 m
Abala (see Abela)	Ethiopia	6° 42' 00" N 37° 53' 00" E	1481 m
Abela (see also: Abala, Abella)	Ethiopia	6° 42' 00" N 37° 53' 00" E	1481 m
Abella (see Abela)	Ethiopia	6° 42' 00" N 37° 53' 00" E	1481 m
Brouwerij Baai (see Gisenyi)	Rwanda	1° 42' 10" S 29° 15' 23" E	1481 m
Colline Gosenyi (see Gisenyi)	Rwanda	1° 42' 10" S 29° 15' 23" E	1481 m
Gisenyi (see also: Brouwerij Baai, Colline Gosenyi, Gosenyi)	Rwanda	1° 42' 10" S 29° 15' 23" E	1481 m
Gosenyi (see Gisenyi)	Rwanda	1° 42' 10" S 29° 15' 23" E	1481 m
Kingsway, Salisbury	Zimbabwe	17° 49' 00" S 31° 03' 00" E	ca. 1481 m
Cullinan	South Africa	25° 40' 32" S 28° 31' 20" E	1482 m
Aus, 1 km W	Namibia	26° 40' 00" S 16° 16' 00" E	1483 m
Mbesuma (see Mbesuma Ranch)	Zambia	10° 02' 00" S 31° 10' 00" E	1484 m
Mbesuma Farm (see Mbesuma Ranch)	Zambia	10° 02' 00" S 31° 10' 00" E	1484 m
Mbesuma Ranch (see also: Mbesuma, Mbesuma Farm)	Zambia	10° 02' 00" S 31° 10' 00" E	1484 m
Bana	Cameroon	5° 09' 00" N 10° 16' 00" E	1486 m
Alto Zambeze (see Calunda)	Angola	12° 07' 00" S 23° 28' 00" E	1487 m
Calunda (see also: Alto Zambeze, Kalunda)	Angola	12° 07' 00" S 23° 28' 00" E	1487 m
Kalunda (see Calunda)	Angola	12° 07' 00" S 23° 28' 00" E	1487 m
Logwi, 25 mi [=40 km] SSE Torit (see also: Lokwi, Torit, 25 mi [=40 km] SSE)	South Sudan	4° 06' 28" N 32° 43' 14" E	1487 m
Lokwi (see Logwi), 25 mi [=40 km] SSE Torit	South Sudan	4° 06' 28" N 32° 43' 14" E	1487 m
Longairo, 20 mi [=32 km] SE Torit (see also: Torit, 20 mi [=32 km] SE)	South Sudan	4° 02' 25" N 32° 57' 21" E	1487 m
Torit, 20 mi [=32 km] SE (see Longairo)	South Sudan	4° 02' 25" N 32° 57' 21" E	1487 m
Torit, 25 mi [=40 km] SSE (see Logwi)	South Sudan	4° 06' 28" N 32° 43' 14" E	1487 m
Bumbo	Uganda	0° 51' 40" N 34° 23' 53" E	1489 m
Mugeri mission (see also: Petit seminaire de Mugeri)	Congo (Democratic Republic of the)	2° 12' 00" S 28° 42' 00" E	1493 m
Petit seminaire de Mugeri (see Mugeri mission)	Congo (Democratic Republic of the)	2° 12' 00" S 28° 42' 00" E	1493 m
Farm 576 (Merrimietzie) (see Winburg)	South Africa	28° 32' 00" S 27° 01' 00" E	1494 m
Farm 590 (Van Soelenshoek) (see Winburg)	South Africa	28° 32' 00" S 27° 01' 00" E	1494 m
Farm Merrimietzie 576 (see Winburg)	South Africa	28° 32' 00" S 27° 01' 00" E	1494 m
Farm Van Soelenshoek 590 (see Winburg)	South Africa	28° 32' 00" S 27° 01' 00" E	1494 m
Merrimietzie, Farm 576 (see Winburg)	South Africa	28° 32' 00" S 27° 01' 00" E	1494 m
Van Soelenshoek, Farm 590 (see Winburg)	South Africa	28° 32' 00" S 27° 01' 00" E	1494 m
Winburg (see also: Farm 576 (Merrimietzie), Farm 590 (Van Soelenshoek), Farm Merrimietzie 576, Farm Van Soelenshoek 590, Merrimietzie, Farm 576, Van Soelenshoek, Farm 590)	South Africa	28° 32' 00" S 27° 01' 00" E	1494 m
Biaramulo (see Biharamulo)	Tanzania	2° 37' 55" S 31° 18' 32" E	1495 m
Biharamulo (see also: Biaramulo, Ussuwi, Usuwi)	Tanzania	2° 37' 55" S 31° 18' 32" E	1495 m
Ussuwi (see Biharamulo)	Tanzania	2° 37' 55" S 31° 18' 32" E	1495 m
Usuwi (see Biharamulo)	Tanzania	2° 37' 55" S 31° 18' 32" E	1495 m
Bukavu (see also: Costermansstad, Costermansville)	Congo (Democratic Republic of the)	2° 30' 30" S 28° 51' 39" E	1498 m

Costermansstad (see Bukavu)	Congo (Democratic Republic of the)		2° 30' 30" S 28° 51' 39" E	1498 m
Costermansville (see Bukavu)	Congo (Democratic Republic of the)		2° 30' 30" S 28° 51' 39" E	1498 m
Goma (see also: Ngoma)	Congo (Democratic Republic of the)		1° 40' 45" S 29° 13' 22" E	1499 m
Ngoma (see Goma)	Congo (Democratic Republic of the)		1° 40' 45" S 29° 13' 22" E	1499 m
Arnheim Farm (see Farm Arnhem)	Namibia		22° 29' 00" S 18° 08' 00" E	1500 m
Bat cave (see Grotte des Chauves-souris)	Madagascar		18° 10' 52" S 47° 17' 21" E	1500 m
Bogoria, lake (see also: Hannington, lake, Harrington, lake, Lake Bogoria, Lake Hannington, Lake Harrington)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Bugarula, 6 km N (see Washiha Forest)	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 29° 04' 00" E	1500 m
Bwindi-Impenetrable National Park	Uganda		1° 02' 09" S 29° 43' 10" E	1500 m
Dhika, 6 km N (see Thika, 6 km N)	Kenya	ca.	0° 59' 37" S 37° 05' 09" E	ca. 1500 m
Djemba (see also: Djomba)	Congo (Democratic Republic of the)		1° 20' 00" S 29° 34' 00" E	1500 m
Djomba (see Djemba)	Congo (Democratic Republic of the)		1° 20' 00" S 29° 34' 00" E	1500 m
Doornbosch, Farm (see Farm Doornbosch)	South Africa		32° 02' 42" S 24° 04' 46" E	1500 m
Edenville	South Africa		27° 33' 00" S 27° 41' 00" E	1500 m
Edenville, 6 mi [=9.7 km] W (see Waaghoek [Farmstead])	South Africa		27° 33' 00" S 27° 35' 00" E	1500 m
Farm Arnem (see Farm Arnhem), 80 mi E Windhoek	Namibia		22° 41' 00" S 18° 08' 00" E	1500 m
Farm Arnheim (see Farm Arnhem), 26.0 km S, 89.0 km W Gobabis (see also: Gobabis, 26.0 km S, 89.0 km W)	Namibia		22° 29' 00" S 18° 08' 00" E	1500 m
Farm Arnhem, 80 mi E Windhoek; 26.0 km S, 89.0 km W Gobabis (see also: Arnheim Farm, Farm Arnem, Farm Arnheim, Windhoek, 80 mi [=129 km] E)	Namibia		22° 29' 00" S 18° 08' 00" E	1500 m
Farm Doornbosch, 14.5 km S, 38.5 km E Murraysburg (see also: Doornbosch, Farm, Murraysburg, 14.5 km S, 38.5 km E)	South Africa		32° 02' 42" S 24° 04' 46" E	1500 m
Farm Goodhope, near Haenertsburg (see also: Goodhope, Farm)	South Africa		23° 57' 00" S 29° 54' 00" E	1500 m
Fockshof (see Nuitsas (farmstead))	Namibia		19° 17' 00" S 18° 35' 00" E	1500 m
Gobabis, 26.0 km S, 89.0 km W (see Farm Arnheim)	Namibia		22° 29' 00" S 18° 08' 00" E	1500 m
Goodhope, Farm (see Farm Goodhope)	South Africa		23° 57' 00" S 29° 54' 00" E	1500 m
Grotte de Kibwe Lya Mikako (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		0° 14' 42" S 29° 01' 00" E	1500 m
Grotte de Ribue Lya Mikako (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		0° 14' 42" S 29° 01' 00" E	1500 m
Grotte des Chauves-souris (see also: Bat cave)	Madagascar		18° 10' 52" S 47° 17' 21" E	1500 m
Hannington, lake (see Bogoria, lake)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Harrington, lake (see Bogoria, lake)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Isoka	Zambia		10° 10' 00" S 32° 38' 00" E	1500 m
Kabakuli river	Congo (Democratic Republic of the)		0° 27' 00" N 29° 44' 00" E	1500 m
Kasuo-Kibwe cave (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		0° 14' 42" S 29° 01' 00" E	1500 m
Kibwe Lya Mikako cave (see also: Grotte de Kibwe Lya Mikako, Grotte de Ribue Lya Mikako, Kasuo-Kibwe cave, Ribue Lya Mikako cave)	Congo (Democratic Republic of the)		0° 14' 42" S 29° 01' 00" E	1500 m
Lac Mugunga (see Mugunga, lake)	Congo (Democratic Republic of the)		1° 37' 00" S 29° 08' 00" E	1500 m
Lake Bogoria (see Bogoria, lake)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Hannington (see Bogoria, lake)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Harrington (see Bogoria, lake)	Kenya		0° 15' 32" N 36° 06' 06" E	1500 m
Lake Mugunga (see Mugunga, lake)	Congo (Democratic Republic of the)		1° 37' 00" S 29° 08' 00" E	1500 m
Mazumbai Forest Reserve	Tanzania		4° 45' 00" S 38° 15' 00" E	1500 m
Mhonda, 6 km N, 6 km W (see Nguru South Forest Reserve)	Tanzania		6° 03' 50" S 37° 31' 25" E	1500 m
Misuku Mission (see also: Misuku-Mughese Mission, Mzedi Mission and School)	Malawi		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
Misuku-Mughese Mission (see Misuku Mission)	Malawi		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
Mount Moroto (see Moroto, mount)	Uganda		2° 32' 00" N 34° 46' 00" E	1500 m
Mugesse Hill	Malawi		9° 39' 00" S 33° 33' 00" E	1500 m

Mugunga meer (see Mugunga, lake)	Congo (Democratic Republic of the)		1° 37' 00" S 29° 08' 00" E	1500 m
Mugunga, lake (see also: Lac Mugunga, Lake Mugunga, Mugunga meer)	Congo (Democratic Republic of the)		1° 37' 00" S 29° 08' 00" E	1500 m
Murraysburg, 14.5 km S, 38.5 km E (see Farm Doornbosch)	South Africa		32° 02' 42" S 24° 04' 46" E	1500 m
Musanze-Djomba	Congo (Democratic Republic of the)		1° 20' 00" S 29° 34' 00" E	1500 m
Mzedi Mission and School (see Misuku Mission)	Malawi		9° 41' 02" S 33° 27' 29" E	ca. 1500 m
Ngoto Swamp	Uganda		0° 52' 52" S 29° 43' 52" E	1500 m
Nguru South Forest Reserve, 6 km N, 6 km W Mhonda (see also: Mhonda, 6 km N, 6 km W)	Tanzania		6° 03' 50" S 37° 31' 25" E	1500 m
Ntchisi Forest Guesthouse (see Ntchisi Forestry Resthouse)	Malawi		13° 23' 00" S 34° 00' 00" E	1500 m
Ntchisi Forestry Resthouse (see also: Ntchisi Forest Guesthouse)	Malawi		13° 23' 00" S 34° 00' 00" E	1500 m
Nuichan (see Nuitsas (farmstead))	Namibia		19° 17' 00" S 18° 35' 00" E	1500 m
Nuitsas (farmstead) (see also: Fockshof, Nuichan, Nuitsas Farm)	Namibia		19° 17' 00" S 18° 35' 00" E	1500 m
Nuitsas Farm (see Nuitsas (farmstead))	Namibia		19° 17' 00" S 18° 35' 00" E	1500 m
Nyasa, lake (see also: Lake Malawi, Lake Nyasa, Malawi, lake)	Malawi		12° 00' 00" S 34° 30' 00" E	1500 m
Nzulu (see also: N'Zulu)	Congo (Democratic Republic of the)		0° 36' 00" S 29° 05' 00" E	1500 m
N'Zulu (see Nzulu)	Congo (Democratic Republic of the)		0° 36' 00" S 29° 05' 00" E	1500 m
Okatjomboa	Namibia		21° 30' 00" S 18° 30' 00" E	1500 m
Ribue Lya Mikako cave (see Kibwe Lya Mikako cave)	Congo (Democratic Republic of the)		0° 14' 42" S 29° 01' 00" E	1500 m
Thika, 16 km N	Kenya		0° 54' 00" S 37° 05' 00" E	1500 m
Thika, 6 km N (see also: Dhika, 6 km N)	Kenya	ca.	0° 59' 37" S 37° 05' 09" E	ca. 1500 m
Waaghoek [Farmstead], 6 mi W Edenville (see also: Edenville, 6 mi [=9.7 km] W)	South Africa		27° 33' 00" S 27° 35' 00" E	1500 m
Washiha Forest, 6 km N Bugarula (see also: Bugarula, 6 km N)	Congo (Democratic Republic of the)	ca.	2° 00' 00" S 29° 04' 00" E	1500 m
Windhoek, 80 mi [=129 km] E (see Farm Arnhem)	Namibia		22° 41' 00" S 18° 08' 00" E	1500 m
Yelwa	Nigeria		7° 04' 00" N 11° 05' 00" E	1500 m

1501 - 1600 m:

Churugwi (see Shurugwi)	Zimbabwe		19° 40' 00" S 30° 00' 00" E	1501 m
Salukwe (see Shurugwi)	Zimbabwe		19° 40' 00" S 30° 00' 00" E	1501 m
Selukwe (see Shurugwi)	Zimbabwe		19° 40' 00" S 30° 00' 00" E	1501 m
Shurugwi, Lucilia Port (see also: Churugwi, Salukwe, Selukwe)	Zimbabwe		19° 40' 00" S 30° 00' 00" E	1501 m
Chitau	Angola		11° 25' 00" S 17° 09' 00" E	1503 m
Kiu	Kenya		1° 54' 00" S 37° 10' 00" E	1503 m
Kanyinya	Burundi		2° 35' 25" S 30° 04' 55" E	1508 m
Farm 81 (Leeuwenfontein) (see Farm Leeuwenfontein 81)	South Africa		31° 15' 21" S 25° 34' 25" E	1510 m
Farm Leeuwenfontein 81, Steynsburg, 4.4 km N, 24.0 km W (see also: Farm 81 (Leeuwenfontein), Leeuwenfontein, Farm 81, Steynsburg, 4.4 km N, 24.0 km W)	South Africa		31° 15' 21" S 25° 34' 25" E	1510 m
Ficksburg, 37 Visser Str.	South Africa		28° 53' 00" S 27° 53' 00" E	1510 m
Leeuwenfontein, Farm 81 (see Farm Leeuwenfontein 81)	South Africa		31° 15' 21" S 25° 34' 25" E	1510 m
Steynsburg, 4.4 km N, 24.0 km W (see Farm Leeuwenfontein 81)	South Africa		31° 15' 21" S 25° 34' 25" E	1510 m
Likasi, 130 km N (see Tenke)	Congo (Democratic Republic of the)		10° 35' 00" S 26° 07' 00" E	1512 m
Mwelampande (see Tenke), 130 km N Likasi	Congo (Democratic Republic of the)		10° 35' 00" S 26° 07' 00" E	1512 m
Mwela-Pande cave (see Tenke), 130 km N Likasi	Congo (Democratic Republic of the)		10° 35' 00" S 26° 07' 00" E	1512 m
Ntsizwe mine	South Africa		30° 28' 56" S 29° 09' 57" E	1512 m
Tenke, 130 km N Likasi (see also: Likasi, 130 km N, Mwelampande, Mwela-Pande cave)	Congo (Democratic Republic of the)		10° 35' 00" S 26° 07' 00" E	1512 m
Marquard, Leeukop [230]	South Africa		28° 40' 00" S 27° 26' 00" E	1515 m
Otjitundua (see Otjitunduwa)	Namibia		18° 37' 00" S 14° 08' 00" E	1517 m

Otjitunduwa (see also: Otjitundua)	Namibia		18° 37' 00" S 14° 08' 00" E	1517 m
Ambohitantely	Madagascar		18° 10' 00" S 47° 17' 00" E	1519 m
Kabira	Congo (Democratic Republic of the)		2° 03' 00" S 28° 55' 00" E	1519 m
Bryanston, 883 Lowndees Road	South Africa		26° 03' 00" S 28° 02' 00" E	1520 m
Penhalonga, Imbeza Valley	Zimbabwe		18° 53' 00" S 32° 41' 00" E	1521 m
Kakamega	Kenya		0° 17' 00" N 34° 45' 00" E	1523 m
Fort Portal, Mpanga forest (see also: Kabarole)	Uganda		0° 41' 38" S 30° 15' 59" E	1524 m
Homa Bay county	Kenya	ca.	0° 30' 00" S 34° 30' 00" E	ca. 1524 m
Kabarole (see Fort Portal), Mpanga forest	Uganda		0° 41' 38" S 30° 15' 59" E	1524 m
Kalungu River High Water	Zambia		9° 30' 00" S 32° 45' 00" E	1524 m
Lukenia	Kenya		1° 29' 00" S 37° 03' 00" E	1524 m
Magamba	Tanzania		5° 32' 00" S 38° 05' 00" E	1524 m
Massif du Ruwenzori (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Membe Highlands, Lundazi	Zambia		11° 30' 00" S 33° 30' 00" E	1524 m
Mogotio, 3 mi [=4.8 km] N	Kenya		0° 03' 00" N 35° 58' 01" E	1524 m
Monts de la Lune (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Monts Rwenzori (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Mount Ruwenzori (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Mountains of the Moon (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Nairobi, 30 mi [=48 km] E	Kenya		1° 31' 00" S 37° 16' 00" E	1524 m
Nyanza (former) province	Kenya	ca.	0° 30' 00" S 34° 30' 00" E	1524 m
Poi, 2 mi [=3.2 km] N	Kenya		0° 45' 03" N 35° 49' 55" E	1524 m
Rungwe district	Tanzania		9° 15' 00" S 33° 40' 00" E	1524 m
Ruwenzori (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori East	Uganda		0° 22' 00" N 30° 00' 00" E	1524 m
Ruwenzori Mountains (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Ruwenzori Range (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Rwenzoli (see Rwenzori Mountains)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Rwenzori Mountains (see also: Massif du Ruwenzori, Monts de la Lune, Monts Rwenzori, Mount Ruwenzori, Mountains of the Moon, Ruwenzori, Ruwenzori Mountains, Ruwenzori Range, Rwenzoli)	Uganda		0° 25' 28" N 30° 00' 58" E	1524 m
Tororo, 30 mi [=48 km] E	Kenya		0° 40' 00" N 34° 30' 00" E	1524 m
West Nyanza district	Kenya	ca.	0° 30' 00" S 34° 30' 00" E	1524 m
Zomba Plateau, Shire highlands	Malawi		15° 22' 00" S 35° 19' 00" E	1524 m
Grotte de Kyantapo (see Kyantapo cave), 30 km SW Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1525 m
Kakanda	Congo (Democratic Republic of the)		3° 10' 00" S 28° 21' 00" E	1525 m
Kiantapo cave (see Kyantapo cave)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1525 m
Kyantapo cave, 30 km SW Lubudi (see also: Grotte de Kyantapo, Kiantapo cave, Kyantapo grot, Lubudi, 30 km SW)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1525 m
Kyantapo grot (see Kyantapo cave), 30 km SW Lubudi	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1525 m
Lubudi, 30 km SW (see Kyantapo cave)	Congo (Democratic Republic of the)		9° 56' 00" S 25° 58' 00" E	1525 m
Farm Gladysvale, 20 mi [=32 km] NNE Krugersdorp (see also: Gladysvale, Farm, Krugersdorp, 20 mi [=32 km] NNE)	South Africa		25° 54' 00" S 27° 46' 00" E	1527 m
Gladysvale, Farm (see Farm Gladysvale), 20 mi [=32 km] NNE Krugersdorp	South Africa		25° 54' 00" S 27° 46' 00" E	1527 m
Krugersdorp, 20 mi [=32 km] NNE (see Farm Gladysvale)	South Africa		25° 54' 00" S 27° 46' 00" E	1527 m
Athi River, near Nairobi (see also: Athi River Station, Athi River Town, Athi Station)	Kenya		1° 27' 00" S 36° 59' 00" E	1528 m
Athi River Station (see Athi River), near Nairobi	Kenya		1° 27' 00" S 36° 59' 00" E	1528 m
Athi River Town (see Athi River), near Nairobi	Kenya		1° 27' 00" S 36° 59' 00" E	1528 m
Athi Station (see Athi River), near Nairobi	Kenya		1° 27' 00" S 36° 59' 00" E	1528 m
Rwamagana	Rwanda		1° 57' 09" S 30° 26' 16" E	1528 m
Buhonga	Burundi		3° 25' 59" S 29° 24' 46" E	1529 m
Kivani	Kenya		1° 43' 00" S 37° 22' 00" E	1529 m
Muhasi (see Muhazi)	Rwanda		1° 54' 07" S 30° 24' 41" E	1529 m
Muhazi (see also: Colline Murunda, Muhasi)	Rwanda		1° 54' 07" S 30° 24' 41" E	1529 m
Djugu bos (see Djugu forest)	Congo (Democratic Republic of the)		1° 55' 00" N 30° 30' 00" E	1530 m
Djugu forest (see also: Djugu bos, Djugu, forêt de, Forêt de Djugu)	Congo (Democratic Republic of the)		1° 55' 00" N 30° 30' 00" E	1530 m

Djugu, forêt de (see Djugu forest)	Congo (Democratic Republic of the)	1° 55' 00" N 30° 30' 00" E	1530 m
Forêt de Djugu (see Djugu forest)	Congo (Democratic Republic of the)	1° 55' 00" N 30° 30' 00" E	1530 m
Mui, Oma river	Ethiopia	6° 03' 00" N 35° 33' 00" E	1530 m
Farm 97 (Koele) (see Thaba Nchu)	South Africa	29° 13' 00" S 26° 50' 00" E	1531 m
Farm Koele 97 (see Thaba Nchu)	South Africa	29° 13' 00" S 26° 50' 00" E	1531 m
Koele, Farm 97 (see Thaba Nchu)	South Africa	29° 13' 00" S 26° 50' 00" E	1531 m
Thaba Nchu, Koele [97] (see also: Farm 97 (Koele), Farm Koele 97, Koele, Farm 97)	South Africa	29° 13' 00" S 26° 50' 00" E	1531 m
Harle (see also: Harle)	Ethiopia	12° 20' 00" N 39° 36' 00" E	1532 m
Harle (see Harle)	Ethiopia	12° 20' 00" N 39° 36' 00" E	1532 m
Hopefield (see Hopefield Estate)	South Africa	28° 37' 11" S 23° 19' 46" E	1532 m
Hopefield Estate (see also: Hopefield)	South Africa	28° 37' 11" S 23° 19' 46" E	1532 m
Ikungi, Singida	Tanzania	5° 08' 00" S 34° 46' 00" E	1532 m
Itende	Tanzania	6° 46' 00" S 36° 23' 00" E	1532 m
Kasengi (see Kasengu), near Lake Albert	Congo (Democratic Republic of the)	2° 08' 11" N 31° 05' 06" E	1532 m
Kasengu, near Lake Albert (see also: Kasengi)	Congo (Democratic Republic of the)	2° 08' 11" N 31° 05' 06" E	1532 m
Kigamba	Burundi	3° 04' 00" S 30° 31' 00" E	1532 m
Didessa river bridge	Ethiopia	9° 02' 00" N 36° 09' 00" E	1533 m
Makullo (see Makulo)	Tanzania	4° 09' 00" S 34° 45' 00" E	1533 m
Makulo (see also: Makullo)	Tanzania	4° 09' 00" S 34° 45' 00" E	1533 m
Nagele (see Negele)	Ethiopia	5° 19' 00" N 39° 35' 00" E	1533 m
Negele (see also: Nagele, Negelie, Negelle, Negelli, Neghelle, Neghelli)	Ethiopia	5° 19' 00" N 39° 35' 00" E	1533 m
Negelie (see Negele)	Ethiopia	5° 19' 00" N 39° 35' 00" E	1533 m
Negelle (see Negele)	Ethiopia	5° 19' 00" N 39° 35' 00" E	1533 m
Negelli (see Negele)	Ethiopia	5° 19' 00" N 39° 35' 00" E	1533 m
Neghelle (see Negele)	Ethiopia	5° 19' 00" N 39° 35' 00" E	1533 m
Neghelli (see Negele)	Ethiopia	5° 19' 00" N 39° 35' 00" E	1533 m
Nottingham weg (see Nottingham Road)	South Africa	29° 21' 00" S 30° 00' 00" E	1533 m
Cyangugu (see Shangugu)	Rwanda	2° 29' 00" S 28° 53' 48" E	1537 m
Shangugu (see also: Cyangugu)	Rwanda	2° 29' 00" S 28° 53' 48" E	1537 m
Byumba, edge of Bwindi-Impenetrable National Park	Uganda	0° 55' 41" S 29° 41' 45" E	1540 m
Issore, 40 mi [=64 km] S Torit (see also: Torit, 40 mi [=64 km] S)	South Sudan	3° 54' 00" N 32° 48' 00" E	1540 m
Torit, 35 mi [=56 km] SSE (see Katiri)	South Sudan	4° 02' 32" N 32° 47' 52" E	1540 m
Torit, 40 mi [=64 km] S (see Issore)	South Sudan	3° 54' 00" N 32° 48' 00" E	1540 m
Bukinanyana Commune	Burundi	2° 52' 50" S 29° 20' 10" E	1543 m
Kitwabaluzi	Congo (Democratic Republic of the)	2° 53' 00" S 28° 35' 00" E	1543 m
Iringa, 6 km E (see Kibebe farms)	Tanzania	7° 47' 00" S 35° 45' 00" E	1550 m
Kibebe farms, 6 km E Iringa (see also: Iringa, 6 km E)	Tanzania	7° 47' 00" S 35° 45' 00" E	1550 m
Tsinjoarivo, 10 km SE	Madagascar	19° 40' 42" S 47° 46' 12" E	1550 m
Kalimoni	Kenya	1° 06' 00" S 37° 01' 00" E	1551 m
Manjakatompo (see Manjakatompo-Firaisana)	Madagascar	19° 20' 00" S 47° 26' 00" E	1552 m
Manjakatompo-Firaisana (see also: Manjakatompo, Mongakatompo, Monjakatompo)	Madagascar	19° 20' 00" S 47° 26' 00" E	1552 m
Mongakatompo (see Manjakatompo-Firaisana)	Madagascar	19° 20' 00" S 47° 26' 00" E	1552 m
Monjakatompo (see Manjakatompo-Firaisana)	Madagascar	19° 20' 00" S 47° 26' 00" E	1552 m
Kiavikere (see also: Kiavikire)	Congo (Democratic Republic of the)	0° 24' 00" N 29° 46' 00" E	1553 m
Kiavikire (see Kiavikere)	Congo (Democratic Republic of the)	0° 24' 00" N 29° 46' 00" E	1553 m
Nyankanda, protestant mission	Burundi	3° 17' 25" S 30° 19' 05" E	1553 m
Ugano plantation, SE Mbinga, Mantengo Highlands	Tanzania	11° 06' 00" S 34° 55' 00" E	1560 m
Boga (see also: Mboga)	Congo (Democratic Republic of the)	1° 03' 00" N 29° 56' 00" E	1562 m
Mboga (see Boga)	Congo (Democratic Republic of the)	1° 03' 00" N 29° 56' 00" E	1562 m
Nairobi, 32 km N (see Ruiru)	Kenya	1° 09' 00" S 36° 58' 00" E	1564 m
Ruiru, 32 km N Nairobi (see also: Nairobi, 32 km N)	Kenya	1° 09' 00" S 36° 58' 00" E	1564 m
Kigale (see Kigali)	Rwanda	1° 57' 13" S 30° 03' 38" E	1567 m
Kigali (see also: Kigale)	Rwanda	1° 57' 13" S 30° 03' 38" E	1567 m

Lindley, Arcadia	South Africa		27° 52' 00" S 27° 55' 00" E	1572 m
Iringa	Tanzania		7° 46' 00" S 35° 42' 00" E	1574 m
Mount Mugusa (see Mugusa, mount)	Rwanda		2° 28' 52" S 29° 51' 23" E	1575 m
Mugusa, mount (see also: Mount Mugusa)	Rwanda		2° 28' 52" S 29° 51' 23" E	1575 m
Ladybrand, Alpha (see also: Ladybrand Commonage, Ladybrand Town)	South Africa		29° 12' 00" S 27° 27' 00" E	1577 m
Ladybrand Commonage (see Ladybrand), Leliehoek	South Africa		29° 12' 00" S 27° 27' 00" E	1577 m
Ladybrand Town (see Ladybrand)	South Africa		29° 12' 00" S 27° 27' 00" E	1577 m
Modderfontein	South Africa		26° 05' 00" S 28° 10' 00" E	1577 m
Himeville	South Africa		29° 45' 00" S 29° 30' 00" E	1579 m
Underberg, Trout hatchery	South Africa		29° 47' 00" S 29° 30' 00" E	1579 m
Clocolan	South Africa		28° 54' 00" S 27° 34' 00" E	1580 m
Himeville, 45 km N (see Lotheni Nature Reserve)	South Africa		29° 27' 00" S 29° 32' 00" E	1580 m
Lotheni Nature Reserve, 45 km N of Himeville (see also: Himeville, 45 km N)	South Africa		29° 27' 00" S 29° 32' 00" E	1580 m
Molteno	South Africa		31° 23' 47" S 26° 21' 45" E	1580 m
Meru	Kenya		0° 03' 00" N 37° 39' 00" E	1581 m
Nyamasheke	Rwanda		2° 20' 23" S 29° 05' 08" E	1581 m
Konza	Kenya		1° 45' 00" S 37° 07' 00" E	1583 m
Fort Hoek Trading store, Herschel	South Africa		30° 37' 00" S 27° 10' 00" E	1584 m
Kakamega Forest, 8 mi [=13 km] SE Kakamega (see also: Kakamega Forest Reserve, Kakamega, 8 mi [=13 km] SE)	Kenya		0° 16' 00" N 34° 53' 00" E	1585 m
Kakamega Forest Reserve (see Kakamega Forest)	Kenya		0° 16' 00" N 34° 53' 00" E	1585 m
Kakamega, 8 mi [=13 km] SE (see Kakamega Forest)	Kenya		0° 16' 00" N 34° 53' 00" E	1585 m
Makindu, Upper cave	Kenya		2° 17' 00" S 37° 49' 00" E	1585 m
Namanjere (see Namanyere)	Tanzania		7° 31' 00" S 31° 03' 00" E	1587 m
Namanyere (see also: Namanjere)	Tanzania		7° 31' 00" S 31° 03' 00" E	1587 m
Ramangabo (see Rumangabo)	Congo (Democratic Republic of the)		1° 21' 28" S 29° 22' 09" E	1587 m
Rumangabo (see also: Ramangabo, Rumengabo)	Congo (Democratic Republic of the)		1° 21' 28" S 29° 22' 09" E	1587 m
Rumengabo (see Rumangabo)	Congo (Democratic Republic of the)		1° 21' 28" S 29° 22' 09" E	1587 m
Galanga	Angola		12° 04' 00" S 15° 09' 00" E	1588 m
Ulu	Kenya		1° 49' 00" S 37° 09' 00" E	1588 m
Cheren (see Keren)	Eritrea		15° 46' 40" N 38° 27' 29" E	1590 m
Keren, Bogosland (see also: Cheren)	Eritrea		15° 46' 40" N 38° 27' 29" E	1590 m
Dewetsdorp, Leeukop [105]	South Africa		29° 35' 00" S 26° 40' 00" E	1591 m
Nyundo	Rwanda		1° 41' 47" S 30° 01' 37" E	1594 m
Katana, W shore Lake Kivu (see also: Liège Saint Lambert)	Congo (Democratic Republic of the)		2° 13' 30" S 28° 49' 53" E	1595 m
Liège Saint Lambert (see Katana)	Congo (Democratic Republic of the)		2° 13' 30" S 28° 49' 53" E	1595 m
Teyateyaneng	Lesotho		29° 09' 00" S 27° 44' 00" E	1595 m
Katentania	Congo (Democratic Republic of the)		10° 19' 00" S 25° 54' 00" E	1597 m
Boksburg, Midtown	South Africa		26° 13' 00" S 28° 15' 00" E	1599 m
Bilalu (see also: Bilule)	Rwanda		1° 30' 00" S 30° 18' 00" E	1600 m
Bilule (see Bilalu)	Rwanda		1° 30' 00" S 30° 18' 00" E	1600 m
Idjwi, island (see also: Île Idjwi)	Congo (Democratic Republic of the)		2° 09' 00" S 29° 04' 00" E	1600 m
Île Idjwi (see Idjwi, island)	Congo (Democratic Republic of the)		2° 09' 00" S 29° 04' 00" E	1600 m
Iringa, 12 km ESE (see Kigwembinbi)	Tanzania		7° 48' 22" S 35° 48' 13" E	1600 m
Kigwembinbi, 12 km ESE Iringa (see also: Iringa, 12 km ESE)	Tanzania		7° 48' 22" S 35° 48' 13" E	1600 m
Krugersdorp, 19 km NW (see Sterkfontein caves)	South Africa		26° 01' 00" S 27° 44' 00" E	1600 m
Nteko parish	Uganda	ca.	1° 02' 16" S 29° 36' 00" E	1600 m
Sterkfontein caves, 19 km NW Krugersdorp (see also: Krugersdorp, 19 km NW, Sterkfonteingrotte)	South Africa		25° 58' 00" S 27° 40' 00" E	1600 m
Sterkfonteingrotte (see Sterkfontein caves), 19 km NW Krugersdorp	South Africa		26° 01' 00" S 27° 44' 00" E	1600 m

1601 - 1700 m:

Bergville, 45 km NW (see Royal Natal National Park)	South Africa		28° 44' 00" S 28° 55' 00" E	1602 m
Kihumba (see Kiumba)	Congo (Democratic Republic of the)		1° 56' 25" S 29° 04' 47" E	1602 m

Kiumba (see also: Kihumba)	Congo (Democratic Republic of the)		1° 56' 25" S 29° 04' 47" E	1602 m
Koha Dairy Development (see Koka Dairy Development)	Ethiopia		8° 25' 28" N 39° 02' 21" E	1602 m
Koka Dairy Development, 2 km S Koka (see also: Koha Dairy Development)	Ethiopia		8° 25' 28" N 39° 02' 21" E	1602 m
Natal National Park (see Royal Natal National Park)	South Africa		28° 44' 00" S 28° 55' 00" E	1602 m
Natalse Nasionale Park (see Royal Natal National Park)	South Africa		28° 44' 00" S 28° 55' 00" E	1602 m
Royal Natal National Park, Khahlamba-Drakensberg Park, 45 km NW Bergville (see also: Bergville, 45 km NW, Natal National Park, Natalse Nasionale Park)	South Africa		28° 44' 00" S 28° 55' 00" E	1602 m
Farm 39 (Makapansgat) (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Farm Makapansgat 39, 16 km NE Potgietersrus (see also: Farm 39 (Makapansgat), Ficus cave, Makapan cave, Makapans Valley, Makapansgat Historic Cave, Makapansgat, Farm 39, Pepercorn's cave, Peppercorn Cave, Peppercorn's cave, Potgietersrus, 16 km NE)	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Ficus cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Makapan cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Makapans Valley (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Makapansgat Historic Cave (see Farm Makapansgat 39), Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Makapansgat, Farm 39 (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Mattu (see Metu)	Ethiopia		8° 18' 00" N 35° 35' 00" E	1604 m
Mettu (see Metu)	Ethiopia		8° 18' 00" N 35° 35' 00" E	1604 m
Metu (see also: Mattu, Mettu)	Ethiopia		8° 18' 00" N 35° 35' 00" E	1604 m
Pepercorn's cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Peppercorn Cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Peppercorn's cave (see Farm Makapansgat 39), 16 km NE Potgietersrus	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Potgietersrus, 16 km NE (see Farm Makapansgat 39)	South Africa		24° 09' 00" S 29° 11' 00" E	1604 m
Djigdjiga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Dzhidzhiga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Giggiga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Giggigga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Jigjiga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Jigjigga (see Jijiga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Jijiga (see also: Djigdjiga, Dzhidzhiga, Giggiga, Giggigga, Jigjiga, Jigjigga)	Ethiopia		9° 21' 00" N 42° 48' 00" E	1608 m
Fataki	Congo (Democratic Republic of the)		2° 00' 00" N 30° 34' 00" E	1611 m
Mabanza	Rwanda		2° 03' 15" S 29° 25' 00" E	1612 m
Agaro, road to Jimma (see also: Aggarò)	Ethiopia		7° 51' 00" N 36° 39' 00" E	1613 m
Aggarò (see Agaro), road to Jimma	Ethiopia		7° 51' 00" N 36° 39' 00" E	1613 m
Bamenda	Cameroon		5° 56' 00" N 10° 10' 00" E	1614 m
Itama mine (see Rev Malebo) (see also: Ithama mine)	Uganda		0° 59' 00" S 29° 41' 00" E	1615 m
Ithama mine (see Itama mine)	Uganda		0° 59' 00" S 29° 41' 00" E	1615 m
Kakamega Forest Station, 3.5 km S, 12 km E Kakamega (see also: Kakamega, 3.5 km S, 12 km E)	Kenya		0° 16' 00" N 34° 53' 00" E	1615 m
Kakamega Forest Station, 1 mi [=1.6 km] NE	Kenya		0° 17' 00" N 34° 47' 00" E	1615 m
Kakamega Forest Station, 4 mi [=6.4 km] E	Kenya	ca.	0° 17' 00" N 34° 47' 00" E	1615 m
Kakamega, 3.5 km S, 12 km E (see Kakamega Forest Station), 3.5 km S, 12 km E Kakamega	Kenya		0° 16' 00" N 34° 53' 00" E	1615 m
Keekevok, Mara river	Kenya	ca.	0° 16' 00" S 37° 45' 00" E	1615 m
Ruaraka, Safari Park Hotel; NE of Nairobi (see also: Ruivi)	Kenya		1° 14' 00" S 36° 53' 00" E	1615 m
Ruivi (see Ruaraka), Nairobi, N	Kenya	ca.	1° 14' 00" S 36° 53' 00" E	1615 m
Bottego Highlands	Ethiopia	ca.	7° 09' 00" N 37° 42' 00" E	1618 m
Kobos, 38 mi SW Rehoboth (see also: Rehoboth, 38 mi [=61 km] SW)	Namibia		23° 35' 00" S 16° 40' 00" E	1622 m
Rehoboth, 38 mi [=61 km] SW (see Kobos)	Namibia		23° 35' 00" S 16° 40' 00" E	1622 m
Jamestown, Gloria, Subdivision of Farm Olyvekloof 184	South Africa		31° 07' 00" S 26° 48' 00" E	1623 m
Mughese Forest	Malawi		9° 39' 18" S 33° 32' 19" E	1625 m
Rukara, between Butare and Akanyaru river	Rwanda		1° 47' 55" S 30° 30' 02" E	1625 m

Koli (see also: Mabil)	Ethiopia		10° 26' 00" N 36° 52' 00" E	1626 m
Mabil (see Koli)	Ethiopia		10° 26' 00" N 36° 52' 00" E	1626 m
Malindi	Tanzania		4° 37' 00" S 38° 18' 00" E	1626 m
Caála, 6 mi [=9.7 km] S (see also: Robert Williams, 6 mi [=9.7 km] S)	Angola	ca.	12° 51' 09" S 15° 33' 38" E	1630 m
Robert Williams, 6 mi [=9.7 km] S (see Caála, 6 mi [=9.7 km] S)	Angola	ca.	12° 51' 09" S 15° 33' 38" E	1630 m
Van Reenen	South Africa		28° 22' 00" S 29° 23' 00" E	1638 m
Seapa (see White Hill)	Lesotho		30° 03' 00" S 28° 29' 00" E	1641 m
White Hill (see also: Seapa)	Lesotho		30° 03' 00" S 28° 29' 00" E	1641 m
Sangueve	Angola		13° 53' 00" S 15° 50' 00" E	1642 m
Farm 396 (Non Pareil) (see Warden), Warden	South Africa		27° 51' 00" S 28° 58' 00" E	1643 m
Farm Non Pareil 396 (see Warden), Warden	South Africa		27° 51' 00" S 28° 58' 00" E	1643 m
Mwenga	Congo (Democratic Republic of the)		3° 02' 19" S 28° 25' 57" E	1643 m
Non Pareil, Farm 396 (see Warden), Warden	South Africa		27° 51' 00" S 28° 58' 00" E	1643 m
Warden, Non Pareil [396] (see also: Farm 396 (Non Pareil), Farm Non Pareil 396, Non Pareil, Farm 396)	South Africa		27° 51' 00" S 28° 58' 00" E	1643 m
Colline Shyanda (see Shyanda)	Rwanda		2° 32' 31" S 29° 47' 34" E	1646 m
Irsac labo (see Luiro)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	1646 m
Kalambo Road	Zambia		8° 50' 00" S 31° 25' 00" E	1646 m
Labo Irsac (see Luiro)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	1646 m
Luiro (see also: Irsac labo, Labo Irsac, Lwiro, Lwiro Katana, Mwiru)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	1646 m
Lwiro (see Luiro)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	1646 m
Lwiro Katana (see Luiro)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	1646 m
Mwiru (see Luiro)	Congo (Democratic Republic of the)		2° 14' 24" S 28° 47' 50" E	1646 m
Shyanda (see also: Colline Shyanda)	Rwanda		2° 32' 31" S 29° 47' 34" E	1646 m
Colline Gitovu (see Gitovu)	Rwanda		2° 19' 00" S 29° 09' 00" E	1649 m
Gitovu (see also: Colline Gitovu)	Rwanda		2° 19' 00" S 29° 09' 00" E	1649 m
Kibumba, Goma - Rutshuru road, 1800 m outside Albert National Park [=Virunga National Park]	Congo (Democratic Republic of the)		1° 28' 00" S 29° 20' 00" E	1650 m
Masiribani (see Mount Moorosi (city))	Lesotho		30° 16' 00" S 27° 52' 00" E	1651 m
Mooroi (see Mount Moorosi (city))	Lesotho		30° 16' 00" S 27° 52' 00" E	1651 m
Mount Moorosi (city) (see also: Masiribani, Mooroi, Mount Moroosi (city), Mount Morosi (city))	Lesotho		30° 16' 00" S 27° 52' 00" E	1651 m
Mount Moroosi (city) (see Mount Moorosi (city))	Lesotho		30° 16' 00" S 27° 52' 00" E	1651 m
Mount Morosi (city) (see Mount Moorosi (city))	Lesotho		30° 16' 00" S 27° 52' 00" E	1651 m
Rugari mission	Burundi		2° 43' 45" S 30° 24' 00" E	1651 m
Abercorn (see Mbala)	Zambia		8° 50' 00" S 31° 23' 00" E	1656 m
Mbala (see also: Abercorn)	Zambia		8° 50' 00" S 31° 23' 00" E	1656 m
Bonga, 15 km E	Ethiopia	ca.	7° 17' 00" N 36° 14' 00" E	ca. 1660 m
Jau	Angola		15° 14' 00" S 13° 31' 00" E	1660 m
Mbeya Township	Tanzania		8° 54' 00" S 33° 27' 00" E	1661 m
Nyakinama	Rwanda		1° 34' 22" S 29° 38' 30" E	1661 m
Farm 196 (Langverwaght) (see Vrede), Vrede	South Africa		27° 25' 00" S 29° 10' 00" E	1668 m
Farm Langverwaght 196 (see Vrede), Vrede	South Africa		27° 25' 00" S 29° 10' 00" E	1668 m
Heidelberg, 16 km W (see Suikerbosrand Nature Reserve)	South Africa		26° 30' 00" S 28° 13' 00" E	1668 m
Langverwaght, Farm 196 (see Vrede), Vrede	South Africa		27° 25' 00" S 29° 10' 00" E	1668 m
Suikerboschrand Nature Reserve (see Suikerbosrand Nature Reserve), 16 km W Heidelberg	South Africa		26° 30' 00" S 28° 13' 00" E	1668 m
Suikerbosrand Nature Reserve, 16 km W Heidelberg (see also: Heidelberg, 16 km W, Suikerboschrand Nature Reserve)	South Africa		26° 30' 00" S 28° 13' 00" E	1668 m
Vrede (see also: Farm 196 (Langverwaght), Farm Langverwaght 196, Langverwaght, Farm 196)	South Africa		27° 25' 00" S 29° 10' 00" E	1668 m
Bora River Bridge	Ethiopia			1670 m
Mtembur (see also: Mitunbur)	Kenya		1° 21' 00" N 35° 03' 00" E	1670 m

Mahagi (see also: Mahaji)	Congo (Democratic Republic of the)		2° 18' 00" N 30° 59' 00" E	1671 m
Mahaji (see Mahagi)	Congo (Democratic Republic of the)		2° 18' 00" N 30° 59' 00" E	1671 m
Butata, Farm 210 (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Elandsberg, Farm 198 (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Farm 198 (Elandsberg) (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Farm 210 (Butata) (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Farm 392 (Kranskop) (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Farm Butata 210 (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Farm Elandsberg 198 (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Farm Kranskop 392 (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Kranskop, Farm 392 (see Zastron), Zastron	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Zastron (see also: Butata, Farm 210, Elandsberg, Farm 198, Farm 198 (Elandsberg), Farm 210 (Butata), Farm 392 (Kranskop), Farm Butata 210, Farm Elandsberg 198, Farm Kranskop 392, Kranskop, Farm 392, Zastron Commons)	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Zastron Commonage (see Zastron Commons)	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Zastron Commons (see Zastron) (see also: Zastron Commonage)	South Africa		30° 18' 00" S 27° 05' 00" E	1672 m
Kingdom of Toro (see Toro district (former))	Uganda		0° 30' 00" N 30° 30' 00" E	1676 m
Luwushi Stream	Zambia		10° 00' 00" S 33° 00' 00" E	1676 m
Mpanga Forest	Uganda			1676 m
Shikusa, near Kakamega	Kenya		0° 15' 00" N 34° 45' 00" E	1676 m
Sinzu Mountain (see Sunzu Mountain), Mbala [=Abercorn]	Zambia		9° 03' 00" S 31° 30' 00" E	1676 m
Sunsu Mountain (see Sunzu Mountain), Mbala [=Abercorn]	Zambia		9° 03' 00" S 31° 30' 00" E	1676 m
Sunza Mountain (see Sunzu Mountain), Mbala [=Abercorn]	Zambia		9° 03' 00" S 31° 30' 00" E	1676 m
Sunzu Mountain, Mbala [=Abercorn] (see also: Sinzu Mountain, Sunsu Mountain, Sunza Mountain)	Zambia		9° 03' 00" S 31° 30' 00" E	1676 m
Tambala Falls (see Kongelai Escarpment)	Kenya		1° 28' 00" N 35° 01' 00" E	1676 m
Toro district (former) (see also: Kingdom of Toro)	Uganda		0° 30' 00" N 30° 30' 00" E	1676 m
Kionja	Rwanda		1° 50' 00" S 30° 43' 00" E	1677 m
Djiren (see Jiren), near Jima	Ethiopia		7° 49' 00" N 36° 41' 00" E	1678 m
Giren (see Jiren), near Jima	Ethiopia		7° 49' 00" N 36° 41' 00" E	1678 m
Jiran (see Jiren), near Jima	Ethiopia		7° 49' 00" N 36° 41' 00" E	1678 m
Jiren, near Jima (see also: Djiren, Giren, Jiran)	Ethiopia		7° 49' 00" N 36° 41' 00" E	1678 m
Barkly East, 7.9 km S, 23.4 km W (see Farm Buckholt 228)	South Africa		31° 02' 15" S 27° 21' 08" E	1680 m
Buckholt, Farm 228 (see Farm Buckholt 228)	South Africa		31° 02' 15" S 27° 21' 08" E	1680 m
Farm 228 (Buckholt) (see Farm Buckholt 228)	South Africa		31° 02' 15" S 27° 21' 08" E	1680 m
Farm Buckholt 228, 7.9 km S, 23.4 km W Barkly East (see also: Barkly East, 7.9 km S, 23.4 km W, Buckholt, Farm 228, Farm 228 (Buckholt))	South Africa		31° 02' 15" S 27° 21' 08" E	1680 m
Bweru	Burundi		3° 19' 25" S 30° 28' 15" E	1684 m
Eirene farm (see Marondera)	Zimbabwe		18° 11' 00" S 31° 33' 00" E	1688 m
Kindoroko Forest Reserve	Tanzania		3° 45' 37" S 37° 38' 50" E	1688 m
Marandellas (see Marondera)	Zimbabwe		18° 11' 00" S 31° 33' 00" E	1688 m
Marondera (see also: Eirene farm, Marandellas)	Zimbabwe		18° 11' 00" S 31° 33' 00" E	1688 m
Igale (see Itale)	Tanzania		9° 16' 00" S 33° 19' 00" E	1690 m
Itale (see also: Igale)	Tanzania		9° 16' 00" S 33° 19' 00" E	1690 m
Wilro Park, Roodepoort	South Africa		26° 06' 47" S 27° 51' 06" E	ca. 1691 m
Huila	Angola		15° 04' 00" S 13° 32' 00" E	1693 m
Mathaiga (Golf course), 3 mi [=4.8 km] N Nairobi (see also: Nairobi, 3 mi [=4.8 km] N)	Kenya	ca.	1° 15' 00" S 36° 50' 00" E	1694 m
Nairobi, 3 mi [=4.8 km] N (see Mathaiga (Golf course))	Kenya	ca.	1° 15' 00" S 36° 50' 00" E	1694 m
Pioniers Park, Windhoek	Namibia		22° 36' 00" S 17° 03' 51" E	1694 m
Twee Koppies (see Tweekoppies)	Namibia		22° 58' 00" S 17° 24' 00" E	1696 m
Tweekoppies (see also: Twee Koppies)	Namibia		22° 58' 00" S 17° 24' 00" E	1696 m
Moruita, South Karmojadst	Uganda		1° 51' 34" N 34° 45' 41" E	1699 m
Coca (see K'ok'a)	Ethiopia		8° 26' 00" N 39° 02' 00" E	1700 m
Ermelo	South Africa		26° 31' 00" S 29° 59' 00" E	1700 m
Gurué Tea Plantation	Mozambique		15° 27' 44" S 37° 01' 09" E	1700 m
K'ok'a (see also: Coca, Koka)	Ethiopia		8° 26' 00" N 39° 02' 00" E	1700 m
Koka (see K'ok'a)	Ethiopia		8° 26' 00" N 39° 02' 00" E	1700 m

Leinde Fadali	Nigeria		6° 58' 00" N 11° 36' 00" E	1700 m
Luwawa Dam	Malawi		12° 07' 00" S 33° 44' 00" E	1700 m
Mondwe Valley	Malawi		10° 24' 00" S 33° 50' 00" E	1700 m
Ogondjo	Congo (Democratic Republic of the)		2° 10' 59" N 30° 55' 59" E	1700 m
Welgekgon, near Bethlehem	South Africa	ca.	28° 00' 00" S 28° 00' 00" E	1700 m

1701 - 1800 m:

Bethlehem, Bellevue [1416]	South Africa		28° 14' 00" S 28° 18' 00" E	1706 m
Dondi, 3 mi NE Bela Vista (see also: Bela Vista, 3 mi NE)	Angola			1707 m
Gurué, 7.6 km N, 7.2 km E (see Vila Junqueiro, 7.6 km N, 7.2 km E)	Mozambique		15° 23' 58" S 37° 02' 34" E	1707 m
Mbulu Stream	Zambia		8° 51' 00" S 31° 23' 00" E	1707 m
Nairobi (former) province	Kenya			1707 m
Nairobi, 10 mi [=16 km] below, on river	Kenya	ca.	1° 17' 00" S 36° 49' 00" E	1707 m
Rukira	Rwanda		2° 09' 12" S 30° 36' 41" E	1709 m
Colline Murunda (see Muhazi)	Rwanda		1° 54' 00" S 29° 22' 00" E	1711 m
Murunda	Rwanda		1° 54' 00" S 29° 22' 00" E	1711 m
Krugersdorp (see also: Mogale City)	South Africa		26° 06' 00" S 27° 46' 00" E	1712 m
Ifrane	Morocco		33° 32' 00" N 5° 06' 00" W	1713 m
Machakos (see also: Masaku)	Kenya		1° 31' 00" S 37° 16' 00" E	1714 m
Masaku (see Machakos)	Kenya		1° 31' 00" S 37° 16' 00" E	1714 m
Sehonghong, Moqotoane	Lesotho		29° 48' 00" S 28° 49' 00" E	1714 m
Lubango (see also: Sá da Bandeira)	Angola		14° 55' 00" S 13° 30' 00" E	1718 m
Sá da Bandeira (see Lubango)	Angola		14° 55' 00" S 13° 30' 00" E	1718 m
Huambo (see also: Nova Lisboa)	Angola		12° 46' 34" S 15° 44' 21" E	1721 m
Nova Lisboa (see Huambo)	Angola		12° 46' 34" S 15° 44' 21" E	1721 m
Windhoek (see also: Windhuk)	Namibia		22° 34' 12" S 17° 05' 01" E	1721 m
Windhuk (see Windhoek)	Namibia		22° 34' 12" S 17° 05' 01" E	1721 m
Lubenge	Congo (Democratic Republic of the)		7° 30' 00" S 29° 59' 00" E	1722 m
Marunga mountains	Congo (Democratic Republic of the)		7° 30' 00" S 29° 59' 00" E	1722 m
Dordrecht, Mariba, subdivision of Joubertskop	South Africa		31° 22' 00" S 27° 03' 00" E	1723 m
Kiambu	Kenya		1° 10' 00" S 36° 50' 00" E	1723 m
Tombamnoanjo	Madagascar			1725 m
Nairobi (see also: Nairobi Station)	Kenya		1° 17' 00" S 36° 49' 00" E	1728 m
Wakkerstroom	South Africa		27° 21' 00" S 30° 08' 00" E	1729 m
Kibimba Mission	Burundi		3° 18' 00" S 29° 48' 32" E	1730 m
Langata (see Langata Rongai) (see also: Langata)	Kenya		1° 24' 00" S 36° 46' 00" E	1731 m
Langata cemetery (see Langata Rongai)	Kenya		1° 24' 00" S 36° 46' 00" E	1731 m
Langata forest (see Langata Rongai)	Kenya		1° 24' 00" S 36° 46' 00" E	1731 m
Langata Rongai (see also: Langata, Langata cemetery)	Kenya		1° 24' 00" S 36° 46' 00" E	1731 m
Langata Rongai (see also: Langata forest)	Kenya		1° 24' 00" S 36° 46' 00" E	1731 m
Astrida (see Butare)	Rwanda		2° 35' 50" S 29° 44' 20" E	1733 m
Butare (see also: Astrida, Butare INRS)	Rwanda		2° 35' 50" S 29° 44' 20" E	1733 m
Butare INRS (see Butare)	Rwanda		2° 35' 50" S 29° 44' 20" E	1733 m
Inyanga (see also: Nyanga)	Zimbabwe		18° 13' 00" S 32° 45' 00" E	1737 m
Moseda (see Mosenda)	Congo (Democratic Republic of the)		0° 04' 00" N 29° 22' 00" E	1737 m
Mosenda (see also: Moseda, Mosendwa, Museya)	Congo (Democratic Republic of the)		0° 04' 00" N 29° 22' 00" E	1737 m
Mosendwa (see Mosenda)	Congo (Democratic Republic of the)		0° 04' 00" N 29° 22' 00" E	1737 m
Museya (see Mosenda)	Congo (Democratic Republic of the)		0° 04' 00" N 29° 22' 00" E	1737 m
Nyanga (see Inyanga)	Zimbabwe		18° 13' 00" S 32° 45' 00" E	1737 m
Ianzoni	Kenya		1° 41' 00" S 37° 19' 00" E	1738 m
Butandiga	Uganda		1° 12' 00" N 34° 22' 00" E	1743 m
Rushubi mine	Burundi		3° 20' 55" S 29° 29' 11" E	ca. 1743 m

Caála (see also: Cahala, Kaala, Robert Williams, Roberto Williams, Vila Robert Williams)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Cahala (see Caála)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Kaala (see Caála)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Robert Williams (see Caála)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Roberto Williams (see Caála)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Vila Robert Williams (see Caála)	Angola		12° 51' 09" S 15° 33' 38" E	1746 m
Aït-Ali, ca. 5 km N (see Gorges du Dadès)	Morocco		31° 31' 00" N 5° 56' 00" W	1750 m
Fataki area	Congo (Democratic Republic of the)		2° 01' 00" N 30° 38' 00" E	ca. 1750 m
Gorges du Dadès (see also: Aït-Ali, ca. 5 km N)	Morocco		31° 31' 00" N 5° 56' 00" W	1750 m
Routabansougera	Rwanda		2° 25' 00" S 29° 10' 00" E	1750 m
Sheko area	Ethiopia	ca.	7° 06' 00" N 35° 39' 00" E	ca. 1750 m
Djimma (see Jima)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Djimma, 5 km E (see Jima, 5 km E)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Gima (see Jima)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Gima, 5 km E (see Jima, 5 km E)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Gimma (see Jima)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Gimma, 5 km E (see Jima, 5 km E)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Jima (see also: Djimma, Gima, Gimma, Jimma)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Jima, 5 km E (see also: Djimma, 5 km E, Gima, 5 km E, Gimma, 5 km E, Jimma, 5 km E)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Jimma (see Jima)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Jimma, 5 km E (see Jima, 5 km E)	Ethiopia		7° 40' 00" N 36° 50' 00" E	1753 m
Lake Naruku National Park (see also: Nakuru Lake Forest, Nakuru Lake Forest Reserve, Naruku, lake, National Park)	Kenya		0° 20' 22" S 36° 05' 59" E	1757 m
Naruku, lake, National Park (see Lake Naruku National Park)	Kenya		0° 20' 22" S 36° 05' 59" E	1757 m
Bila (see Bilo)	Ethiopia		8° 54' 00" N 37° 00' 00" E	1761 m
Billa (see Bilo)	Ethiopia		8° 54' 00" N 37° 00' 00" E	1761 m
Billo (see Bilo)	Ethiopia		8° 54' 00" N 37° 00' 00" E	1761 m
Bilo (see also: Bila, Billa, Billo, Bilo Boshe)	Ethiopia		8° 54' 00" N 37° 00' 00" E	1761 m
Bilo Boshe (see Bilo)	Ethiopia		8° 54' 00" N 37° 00' 00" E	1761 m
Townlands of Mathinus Wesselstroom	South Africa	ca.	27° 22' 14" S 30° 07' 58" E	1761 m
Mweya, near Gitega	Burundi		3° 29' 25" S 29° 55' 42" E	1762 m
Muyebe	Burundi		3° 29' 49" S 29° 46' 44" E	1764 m
Johannesburg	South Africa		26° 12' 00" S 28° 05' 00" E	1765 m
Mumba	Congo (Democratic Republic of the)		1° 27' 21" S 28° 53' 01" E	1765 m
Mount Cameroon	Cameroon		4° 12' 00" N 9° 11' 00" E	1768 m
Nyeri, near Mount Kenya (see also: Nyiri)	Kenya		0° 25' 00" S 36° 57' 00" E	1768 m
Nyiri (see Nyeri)	Kenya		0° 25' 00" S 36° 57' 00" E	1768 m
West Lands (see Westlands)	Kenya		1° 16' 00" S 36° 48' 00" E	1768 m
Westlands (see also: West Lands)	Kenya		1° 16' 00" S 36° 48' 00" E	1768 m
Katalembo (see Katalembu)	Kenya		1° 31' 00" S 37° 12' 00" E	1769 m
Katalembu (see also: Katalembo)	Kenya		1° 31' 00" S 37° 12' 00" E	1769 m
Angavokely, granite caves (see also: Grottes de granite d'Angavokely)	Madagascar		18° 55' 00" S 47° 44' 00" E	ca. 1770 m
Grottes de granite d'Angavokely (see Angavokely, granite caves)	Madagascar		18° 55' 00" S 47° 44' 00" E	ca. 1770 m
Burru (see Mbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Iraka landscape (see Mbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Iraku (see Mbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Iringa, 30 mi [=48 km] SSE (see Itanga)	Tanzania		8° 08' 00" S 35° 54' 00" E	1772 m
Itanga, 30 mi [=48 km] SSE Iringa (see also: Iringa, 30 mi [=48 km] SSE)	Tanzania		8° 08' 00" S 35° 54' 00" E	1772 m
Mbulu (see also: Burru, Iraka landscape, Iraku, Mburu, Umbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Mburu (see Mbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Ruhengeri	Rwanda		1° 30' 15" S 29° 38' 09" E	1772 m
Umbulu (see Mbulu)	Tanzania		3° 51' 00" S 35° 32' 00" E	1772 m
Lutunguru	Congo (Democratic Republic of the)		0° 28' 12" S 28° 48' 46" E	1774 m
Moorfield Mountain Farm Nature Reserve	South Africa		27° 52' 40" S 29° 42' 30" E	1776 m

Barkly East, 12.3 km S, 14.1 km W (see Farm Clifford 287)	South Africa	31° 04' 41" S 27° 26' 58" E	1780 m
Clifford, Farm 287 (see Farm Clifford 287)	South Africa	31° 04' 41" S 27° 26' 58" E	1780 m
Farm 287 (Clifford) (see Farm Clifford 287)	South Africa	31° 04' 41" S 27° 26' 58" E	1780 m
Farm Clifford 287, 12.3 km S, 14.1 km W Barkly East (see also: Barkly East, 12.3 km S, 14.1 km W, Clifford, Farm 287, Farm 287 (Clifford))	South Africa	31° 04' 41" S 27° 26' 58" E	1780 m
Babardur Georgis (see Bahir Dar)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Bahar (see Bahir Dar)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Bahar Dar (see Bahir Dar)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Bahar Dar Ghiorghis (see Bahir Dar)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Baherdar-Giyorgis (see Bahir Dar)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Bahir Dar (see also: Babardur Georgis, Bahar, Bahar Dar, Bahar Dar Ghiorghis, Baherdar-Giyorgis, Bahr Dar, Bahr dar Giorgis, Bahr der Giorgis, Bahrdar Giyergio, Bahrdar Giyorgis)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Bahr Dar (see Bahir Dar)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Bahr dar Giorgis (see Bahir Dar)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Bahr der Giorgis (see Bahir Dar)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Bahrdar Giyergio (see Bahir Dar)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Bahrdar Giyorgis (see Bahir Dar)	Ethiopia	11° 36' 00" N 37° 23' 00" E	1783 m
Farm 55JT (Kraaibosch) (see Farm Kraaibosch 55JT)	South Africa	25° 10' 13" S 30° 12' 07" E	1784 m
Farm Kraaibosch 55JT, Lydenberg (see also: Farm 55JT (Kraaibosch), Kraaibosch, Farm 55JT)	South Africa	25° 10' 13" S 30° 12' 07" E	1784 m
Kraaibosch, Farm 55JT (see Farm Kraaibosch 55JT)	South Africa	25° 10' 13" S 30° 12' 07" E	1784 m
Nyagatarugwa River Valley	Burundi	3° 55' 00" S 29° 35' 00" E	1785 m
Convalescence (see La Convalescence)	Comoro Islands	11° 45' 18" S 43° 19' 11" E	1787 m
La Convalescence (see also: Convalescence)	Comoro Islands	11° 45' 18" S 43° 19' 11" E	1787 m
Carolina	South Africa	26° 04' 09" S 30° 06' 54" E	1788 m
Kimuna	Rwanda	2° 32' 50" S 29° 43' 44" E	1788 m
Vumbi (see Vumbi-Bukuba)	Burundi	2° 41' 56" S 30° 06' 13" E	1788 m
Vumbi-Bukuba (see also: Vumbi)	Burundi	2° 41' 56" S 30° 06' 13" E	1788 m
Barkley East (see Barkly East)	South Africa	30° 58' 00" S 27° 36' 00" E	1789 m
Barkly East, Drumbo (see also: Barkley East, Barkly-Oos)	South Africa	30° 58' 00" S 27° 36' 00" E	1789 m
Barkly-Oos (see Barkly East)	South Africa	30° 58' 00" S 27° 36' 00" E	1789 m
Kabale, south end lake Edward (see also: Kabare)	Congo (Democratic Republic of the)	0° 38' 00" S 29° 07' 00" E	1791 m
Kabare (see Kabale), south end lake Edward	Congo (Democratic Republic of the)	0° 38' 00" S 29° 07' 00" E	1791 m
Sipi (see also: Sipi cave)	Uganda	1° 18' 35" N 34° 22' 27" E	1791 m
Sipi cave (see Sipi)	Uganda	1° 18' 35" N 34° 22' 27" E	1791 m
Bakrit (see Bekrit)	Morocco	33° 04' 48" N 5° 12' 36" W	1793 m
Bekrit (see also: Bakrit, Bekrite, Berkit)	Morocco	33° 04' 48" N 5° 12' 36" W	1793 m
Bekrite (see Bekrit)	Morocco	33° 04' 48" N 5° 12' 36" W	1793 m
Berkit (see Bekrit)	Morocco	33° 04' 48" N 5° 12' 36" W	1793 m
Nioka	Congo (Democratic Republic of the)	2° 10' 00" N 30° 39' 00" E	1793 m
Tura (see also: Turah)	Kenya	0° 32' 00" N 37° 02' 00" E	1793 m
Turah (see Tura)	Kenya	0° 32' 00" N 37° 02' 00" E	1793 m
Kashwa	Congo (Democratic Republic of the)	0° 47' 00" S 29° 12' 00" E	1797 m
Ngangas Forest, 4.5 km N, 1.75 km W Wundanyi (see also: Ngaugao Forest, Wundanyi, 4.5 km N, 1.75 km W)	Kenya	3° 22' 00" S 38° 21' 00" E	1798 m
Ngaugao Forest (see Ngangas Forest)	Kenya	3° 22' 00" S 38° 21' 00" E	1798 m
Wundanyi, 4.5 km N, 1.75 km W (see Ngangas Forest)	Kenya	3° 22' 00" S 38° 21' 00" E	1798 m
Bulcha Forest, E of Lake Margherita	Ethiopia	6° 11' 00" N 38° 10' 00" E	1800 m
Chingwe's Hole	Malawi	15° 20' 00" S 35° 16' 00" E	1800 m
Jiba Risasi (see also: Jiba Trisasi)	Congo (Democratic Republic of the)	1° 52' 00" N 30° 42' 00" E	1800 m
Jiba Trisasi (see Jiba Risasi)	Congo (Democratic Republic of the)	1° 52' 00" N 30° 42' 00" E	1800 m
Kafwe	Congo (Democratic Republic of the)	8° 22' 00" S 29° 15' 00" E	1800 m
Kamberg Nature Reserve	South Africa	29° 29' 00" S 29° 41' 00" E	1800 m
Kihanga, 15 km SSE Msisiwe (see also: Msisiwe, 15 km SSE)	Tanzania	8° 22' 00" S 35° 56' 00" E	1800 m
Lago Sciala (see Shala Hayk')	Ethiopia	7° 29' 00" N 38° 32' 00" E	1800 m

Lago Scialla (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Lake Shala (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Lake Shalla (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Matchless Mine, between Windhoek & Rehoboth	Namibia		22° 41' 00" S 16° 50' 00" E	1800 m
Msisiwe, 15 km SSE (see Kihanga)	Tanzania		8° 22' 00" S 35° 56' 00" E	1800 m
Scalla, Lago (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Shala Hayk' (see also: Lago Sciala, Lago Scialla, Lake Shala, Lake Shalla, Scalla, Lago, Shalla, lake, Shola)	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Shalla, lake (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m
Shola (see Shala Hayk')	Ethiopia		7° 29' 00" N 38° 32' 00" E	1800 m

1801 - 1900 m:

Farm 347 (Letsoana Stad) (see Farm Letsoana Stad 347), Fouriesburg	South Africa		28° 37' 00" S 28° 13' 00" E	1801 m
Farm 347, Letsoana Stad (see Farm Letsoana Stad 347), Fouriesburg	South Africa		28° 37' 00" S 28° 13' 00" E	1801 m
Farm Letsoana Stad 347, Fouriesburg (see also: Farm 347 (Letsoana Stad), Farm 347, Letsoana Stad)	South Africa		28° 37' 00" S 28° 13' 00" E	1801 m
Fouriesburg, Letsoana Stad [347]	South Africa		28° 37' 00" S 28° 13' 00" E	1801 m
Luofu	Congo (Democratic Republic of the)		0° 37' 00" S 29° 07' 00" E	1809 m
Berg-en-Dal	South Africa		25° 44' 38" S 30° 05' 38" E	1810 m
Concórdia (see also: Fazenda Concórdia)	Angola		12° 12' 00" S 15° 02' 00" E	1810 m
Fazenda Concórdia (see Concórdia)	Angola		12° 12' 00" S 15° 02' 00" E	1810 m
Rutana	Burundi		3° 55' 09" S 29° 59' 37" E	1810 m
Kisii	Kenya		0° 41' 00" S 34° 46' 00" E	1814 m
Rumuriti	Kenya		0° 16' 00" N 36° 32' 00" E	1821 m
Hoey's Bridge, 18 mi [=29 km] SE Kitale (see also: Kitale, 18 mi [=29 km] SE, Moi's bridge)	Kenya		0° 52' 34" N 35° 07' 13" E	1822 m
Kitale, 18 mi [=29 km] SE (see Hoey's Bridge)	Kenya		0° 52' 34" N 35° 07' 13" E	1822 m
Moi's bridge (see Hoey's Bridge)	Kenya		0° 52' 34" N 35° 07' 13" E	1822 m
Othaya	Kenya		0° 34' 00" S 34° 57' 00" E	1825 m
Kabete	Kenya		1° 16' 00" S 36° 43' 00" E	1826 m
Murore	Burundi		3° 11' 15" S 30° 39' 45" E	1826 m
Dengel Ber, SW side Lake Tana (see also: Dengelbar, Denghelbar, Denghelber, Dungulbar)	Ethiopia		11° 57' 00" N 37° 00' 00" E	1827 m
Dengelbar (see Dengel Ber), SW side Lake Tana	Ethiopia		11° 57' 00" N 37° 00' 00" E	1827 m
Denghelbar (see Dengel Ber), SW side Lake Tana	Ethiopia		11° 57' 00" N 37° 00' 00" E	1827 m
Denghelber (see Dengel Ber), SW side Lake Tana	Ethiopia		11° 57' 00" N 37° 00' 00" E	1827 m
Dungulbar (see Dengel Ber), SW side Lake Tana	Ethiopia		11° 57' 00" N 37° 00' 00" E	1827 m
Buhanga	Burundi		3° 39' 00" S 29° 58' 55" E	1828 m
Gorgora	Ethiopia		12° 14' 25" N 37° 18' 03" E	1828 m
Karura Forest	Kenya		1° 14' 00" S 36° 50' 00" E	1828 m
Kiambu, near	Kenya	ca.	1° 10' 00" S 36° 50' 00" E	1828 m
Trans-Nzoia district	Kenya		0° 50' 00" N 35° 00' 00" E	ca. 1828 m
Busiga	Burundi		2° 52' 35" S 29° 44' 03" E	1829 m
Elmenteita, lake (see also: En Munteita, Lake Elmenteita, Ol Muteita)	Kenya		0° 26' 25" S 36° 14' 34" E	1829 m
En Munteita (see Elmenteita, lake)	Kenya		0° 26' 25" S 36° 14' 34" E	1829 m
Enaiposha (see Naivasha, lake)	Kenya		0° 46' 00" S 36° 21' 00" E	1829 m
Kedong Valley (see Nkidong Valley)	Kenya		1° 10' 00" S 36° 30' 00" E	1829 m
Keyanguli, Kasema	Kenya		1° 30' 00" S 37° 15' 00" E	1829 m
Kisolo (see Kisoro)	Uganda		1° 21' 14" S 29° 41' 54" E	1829 m
Kisoro (see also: Kisolo)	Uganda		1° 21' 14" S 29° 41' 54" E	1829 m
Laikipia ranch, 40 mi NW Rumuruti (see also: Rumurati, 64 km NW, Rumuruti, 40 mi [=64 km] NW)	Kenya		0° 16' 00" N 36° 32' 00" E	1829 m
Lake Elmenteita (see Elmenteita, lake)	Kenya		0° 26' 25" S 36° 14' 34" E	1829 m
Lake Mutanda (see Lake Mutanda) (see also: Lake Mutanda)	Uganda		1° 12' 31" S 29° 40' 31" E	1829 m
Lake Naivasha (see Naivasha, lake)	Kenya		0° 46' 00" S 36° 21' 00" E	1829 m
Lake Naivasha, E shore (see Naivasha, E shore lake)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	1829 m
Lake Nakuru (see also: Nakuru, lake)	Kenya		0° 21' 25" S 36° 06' 35" E	1829 m
Machakos, 15 mi [=24 km] SE	Kenya		1° 40' 16" S 37° 25' 12" E	1829 m
Machakos, 15 mi [=24 km] SW	Kenya	ca.	1° 40' 00" S 37° 07' 00" E	1829 m

Naivasha, E shore lake (see also: Lake Naivasha, E shore)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	1829 m
Naivasha, lake (see also: Enaiposha, Lake Naivasha)	Kenya		0° 46' 00" S 36° 21' 00" E	1829 m
Nakuru district	Kenya			1829 m
Nakuru, lake (see Lake Nakuru)	Kenya		0° 21' 25" S 36° 06' 35" E	1829 m
Ngong, near Nairobi (see also: Ngong Forest)	Kenya		1° 22' 00" S 36° 39' 00" E	1829 m
Ngong Forest (see Ngong), near Nairobi	Kenya		1° 22' 00" S 36° 39' 00" E	1829 m
Nkidong Valley (see also: Kedong Valley)	Kenya		1° 10' 00" S 36° 30' 00" E	1829 m
Ol Donyo Sambu [hill] (see Oldonyo Sambu [hill]), 30 km north Arusha	Tanzania		3° 10' 00" S 36° 39' 00" E	1829 m
Ol Muteita (see Elmenteita, lake)	Kenya		0° 26' 25" S 36° 14' 34" E	1829 m
Oldonyo Sambu [hill], 30 km north Arusha (see also: Ol Donyo Sambu [hill], Sambu, Oldonyo [hill])	Tanzania		3° 10' 00" S 36° 39' 00" E	1829 m
Rhodes, village	South Africa		30° 47' 47" S 27° 58' 04" E	1829 m
Rumurati, 64 km NW (see Laikipia ranch)	Kenya		0° 16' 00" N 36° 32' 00" E	1829 m
Rumuruti, 40 mi [=64 km] NW (see Laikipia ranch)	Kenya		0° 16' 00" N 36° 32' 00" E	1829 m
Sambu, Oldonyo [hill] (see Oldonyo Sambu [hill]), 30 km north Arusha	Tanzania		3° 10' 00" S 36° 39' 00" E	1829 m
Uasin Gishu district	Kenya		0° 30' 00" N 35° 20' 00" E	1829 m
Bururi	Burundi		3° 57' 04" S 29° 37' 00" E	1836 m
Kayove	Rwanda		1° 53' 04" S 29° 21' 11" E	1841 m
Makalia Falls	Kenya		0° 29' 29" S 36° 04' 54" E	1842 m
Ruyigi	Burundi		3° 28' 35" S 30° 14' 55" E	1842 m
Gembi (see Gimbi)	Ethiopia		9° 10' 00" N 35° 50' 00" E	1844 m
Ghimbi (see Gimbi)	Ethiopia		9° 10' 00" N 35° 50' 00" E	1844 m
Gimbi (see also: Gembi, Ghimbi)	Ethiopia		9° 10' 00" N 35° 50' 00" E	1844 m
Nakuru, 2 mi [=3.2 km] W	Kenya		0° 17' 00" S 36° 02' 16" E	1844 m
Gitega (see also: Kitega)	Burundi		3° 25' 35" S 29° 55' 51" E	1845 m
Kitega (see Gitega)	Burundi		3° 25' 35" S 29° 55' 51" E	1845 m
Botsoela (mission) (see Kwepe)	Lesotho		29° 51' 00" S 27° 34' 00" E	1847 m
Kwepe (see Kwepe) (see also: Botsoela (mission), Kwepe)	Lesotho		29° 51' 00" S 27° 34' 00" E	1847 m
Malealea	Lesotho		29° 51' 00" S 27° 34' 00" E	1847 m
Antsampandrano forestry station (see Station Forestière d'Antsampandrano), 26 km SE Faratsiho	Madagascar		19° 36' 43" S 47° 03' 46" E	1850 m
Banso Highlands	Cameroon	ca.	6° 10' 00" N 10° 40' 00" E	ca. 1850 m
Faratsiho, 26 km SE (see Station Forestière d'Antsampandrano)	Madagascar		19° 36' 43" S 47° 03' 46" E	1850 m
Omubiyanja Swamp	Uganda		0° 59' 21" S 29° 37' 06" E	1850 m
Station Forestière d'Antsampandrano, 26 km SE Faratsiho (see also: Antsampandrano forestry station, Faratsiho, 26 km SE)	Madagascar		19° 36' 43" S 47° 03' 46" E	1850 m
Inyokomi (see Inyokoni)	Kenya		1° 47' 00" S 37° 24' 00" E	1853 m
Inyokoni (see also: Inyokomi)	Kenya		1° 47' 00" S 37° 24' 00" E	1853 m
Drodo (see Drodro)	Congo (Democratic Republic of the)		1° 46' 00" N 30° 32' 00" E	1854 m
Drodro, near Saliboko (see also: Drodo)	Congo (Democratic Republic of the)		1° 46' 00" N 30° 32' 00" E	1854 m
São Januaria (see Humpata)	Angola		15° 01' 00" S 13° 23' 00" E	1856 m
São Januaria da Humpata (see Humpata)	Angola		15° 01' 00" S 13° 23' 00" E	1856 m
Harar (see Harer)	Ethiopia		9° 19' 00" N 42° 07' 00" E	1864 m
Harer (see also: Harar, Harrar)	Ethiopia		9° 19' 00" N 42° 07' 00" E	1864 m
Harrar (see Harer)	Ethiopia		9° 19' 00" N 42° 07' 00" E	1864 m
Klein Windhoek	Namibia		22° 34' 44" S 17° 06' 03" E	1867 m
Farm Freredell, .7 km N, 30.5 km E Molteno (see also: Freredell, Farm, Molteno, 7.7 km N, 30.5 km E)	South Africa		31° 19' 36" S 26° 40' 58" E	1870 m
Freredell, Farm (see Farm Freredell)	South Africa		31° 19' 36" S 26° 40' 58" E	1870 m
Molteno, 7.7 km N, 30.5 km E (see Farm Freredell)	South Africa		31° 19' 36" S 26° 40' 58" E	1870 m
Saliboko, on lake Albert	Congo (Democratic Republic of the)		1° 42' 00" N 30° 29' 00" E	1874 m
Bukeye commune, Nyamugari hill	Burundi		3° 11' 40" S 29° 38' 30" E	1875 m
Ghigner, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghiignir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m

Ghimir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinner, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ghinnir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ginir, 7 km (see also: Ghigner, 7 km, Ghiignir, 7 km, Ghimir, 7 km, Ghinir, 7 km, Ghinner, 7 km, Ghinnir, 7 km, Ginnir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Ginnir, 7 km (see Ginir, 7 km)	Ethiopia	ca.	7° 10' 00" N 40° 42' 00" E	ca. 1875 m
Guaso Nyiro, 10 mi [=16 km] SW of river	Kenya	ca.	0° 35' 00" N 37° 32' 00" E	1875 m
Misotschi-Kabogo Highlands	Congo (Democratic Republic of the)		5° 06' 19" S 29° 03' 56" E	1880 m
Mumushwizi Valley	Burundi		3° 55' 11" S 29° 35' 01" E	1880 m
Adaba (see Adwa)	Ethiopia		14° 10' 00" N 38° 54' 00" E	1882 m
Adowa (see Adwa)	Ethiopia		14° 10' 00" N 38° 54' 00" E	1882 m
Adua (see Adwa)	Ethiopia		14° 10' 00" N 38° 54' 00" E	1882 m
Aduwa (see Adwa)	Ethiopia		14° 10' 00" N 38° 54' 00" E	1882 m
Adwa (see also: Adaba, Adowa, Adua, Aduwa)	Ethiopia		14° 10' 00" N 38° 54' 00" E	1882 m
Mwazye	Tanzania		8° 27' 00" S 31° 44' 00" E	1883 m
Central Elgon East	Kenya		1° 05' 00" N 34° 40' 00" E	1890 m
Cherangani (see Cherangany), 15 mi [=24 km] SE Kitale	Kenya		0° 59' 00" N 35° 10' 00" E	1890 m
Cherangany, 15 mi [=24 km] SE Kitale (see also: Cherangani, Kitale, 15 mi [=24 km] SE)	Kenya		0° 59' 00" N 35° 10' 00" E	1890 m
Kibonato (see Kibongoto)	Tanzania		3° 11' 00" S 37° 06' 00" E	1890 m
Kibongoto (see also: Kibonato, Kibonoto)	Tanzania		3° 11' 00" S 37° 06' 00" E	1890 m
Kibonoto (see Kibongoto)	Tanzania		3° 11' 00" S 37° 06' 00" E	1890 m
Kitale, 12 mi [=19 km] ESE (see Stoneham Museum)	Kenya		1° 01' 00" N 35° 01' 01" E	1890 m
Kitale, 12 mi [=19 km] W	Kenya	ca.	1° 02' 00" N 34° 50' 00" E	1890 m
Kitale, 14 mi [=22.5 km] W	Kenya		1° 01' 00" N 34° 49' 00" E	1890 m
Kitale, 15 mi [=24 km] SE (see Cherangany)	Kenya		0° 59' 00" N 35° 10' 00" E	1890 m
Kitale, 22.5 km W	Kenya		1° 01' 00" N 34° 49' 00" E	1890 m
Kitale, 23 km W	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	1890 m
Kongelai, 12 mi [=19 km] W	Kenya	ca.	1° 28' 00" N 35° 01' 00" E	1890 m
Lake Naivasha, near (see Naivasha, near lake)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	1890 m
Mubuku River, river bank, above confll Kyoha River	Uganda		0° 21' 00" N 30° 00' 00" E	1890 m
Naivasha, 35 km E	Kenya		0° 44' 00" S 36° 45' 00" E	1890 m
Naivasha, near lake (see also: Lake Naivasha, near)	Kenya	ca.	0° 46' 00" S 36° 21' 00" E	1890 m
Nara Moro (see Naro Moru)	Kenya		0° 10' 00" S 37° 01' 00" E	1890 m
Naro Moru (see also: Nara Moro)	Kenya		0° 10' 00" S 37° 01' 00" E	1890 m
Stoneham Museum, 12 mi [=19 km] ESE Kitale (see also: Kitale, 12 mi [=19 km] ESE)	Kenya		1° 01' 00" N 35° 01' 01" E	1890 m
Kitale, foothills Mount Elgon	Kenya		1° 01' 00" N 35° 00' 00" E	1896 m
Caconda	Angola		13° 42' 00" S 15° 05' 00" E	1900 m
Chappal Waddi (see Ouadé, Tchabal)	Nigeria		7° 02' 00" N 11° 43' 00" E	1900 m
Kikura	Congo (Democratic Republic of the)		0° 33' 00" N 29° 57' 00" E	1900 m
Koma forest, 5 km N, 20 km W	Ethiopia	ca.	7° 12' 00" N 36° 30' 00" E	1900 m
Mwofwomero Forest	Tanzania		6° 50' 01" S 36° 34' 19" E	1900 m
Naivasha, 35.4 km E	Kenya		0° 44' 00" S 36° 45' 00" E	1900 m
Ouadé, Djabal (see Gangirwal)	Nigeria		7° 02' 00" N 11° 43' 00" E	1900 m
Ouadé, Tchabal (see also: Chappal Waddi)	Nigeria		7° 02' 00" N 11° 43' 00" E	1900 m
Waddi Chappal (see Gangirwal)	Nigeria		7° 02' 00" N 11° 43' 00" E	1900 m
Wilindi Forest	Malawi		9° 42' 00" S 33° 29' 00" E	1900 m

1901 - 2000 m:

Kinyamahura	Congo (Democratic Republic of the)		1° 18' 00" S 29° 33' 00" E	1905 m
Sumbawango, 70 km S (see Tatanda)	Tanzania		8° 31' 00" S 31° 30' 00" E	1907 m
Tatanda, 70 km S Sumbawango (see also: Sumbawango, 70 km S)	Tanzania		8° 31' 00" S 31° 30' 00" E	1907 m
Rongai	Kenya		0° 10' 00" S 35° 51' 00" E	1911 m
Mulungu-Tshibinda (see Tshibinda)	Congo (Democratic Republic of the)		2° 19' 12" S 28° 45' 50" E	1918 m

Tshibinda (see also: Mulungu-Tshibinda)	Congo (Democratic Republic of the)		2° 19' 12" S 28° 45' 50" E	1918 m
Giante's Castle	Algeria			1920 m
Humpata (see also: São Januaria, São Januaria da Humpata)	Angola		15° 01' 00" S 13° 23' 00" E	1920 m
Kitale, 10 mi [=16 km] NE	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	1920 m
Kitale, 16 km NE	Kenya		1° 01' 00" N 35° 01' 00" E	1920 m
Kitale, 24 km E	Kenya		1° 01' 00" N 35° 14' 00" E	1920 m
Mount Elgon, NE face, 24 km W Kitale (see also: Kitale, 24 km W)	Kenya	ca.	1° 10' 00" N 34° 42' 00" E	1920 m
Nakuru, 2 mi [=3.2 km] S	Kenya		0° 18' 00" S 36° 01' 00" E	1920 m
Endebess (see also: Endeblesa)	Kenya		1° 04' 00" N 34° 51' 00" E	1929 m
Chyulu Hills National Park	Kenya		2° 34' 59" S 37° 49' 59" E	1930 m
Mpinga cave (see Mpinga Mission)	Burundi		3° 44' 10" S 30° 10' 40" E	1930 m
Mpinga Mission, 46 km from Rutana (see also: Mpinga cave, Rutana, 46 km from)	Burundi		3° 44' 10" S 30° 10' 40" E	1930 m
New Dabaga/Ulangambi Forest Reserve	Tanzania		8° 04' 00" S 35° 55' 00" E	1930 m
Rutana, 46 km from (see Mpinga Mission)	Burundi		3° 44' 10" S 30° 10' 40" E	1930 m
Gikuyu (see Kikuyu)	Kenya		1° 15' 00" S 36° 40' 00" E	1931 m
Kikuyu (see also: Gikuyu)	Kenya		1° 15' 00" S 36° 40' 00" E	1931 m
Mule	Congo (Democratic Republic of the)		2° 24' 20" S 28° 33' 10" E	1936 m
Fundi	Congo (Democratic Republic of the)		2° 06' 00" N 30° 46' 00" E	1942 m
Colline Kidaho (see Kidaho)	Rwanda		1° 22' 12" S 29° 44' 33" E	1944 m
Kidaho (see also: Colline Kidaho)	Rwanda		1° 22' 12" S 29° 44' 33" E	1944 m
Kabobo forest, 4 km SW Talama (see also: Talama, 4 km SW)	Congo (Democratic Republic of the)		4° 59' 29" S 29° 04' 49" E	1950 m
Kitale, 50 km from	Kenya		1° 03' 00" N 34° 35' 00" E	1950 m
Mafinga Mountains	Zambia		9° 57' 00" S 33° 21' 00" E	1950 m
Nakuru, 22.5 km N (see Solai valley)	Kenya		0° 03' 00" N 36° 09' 00" E	1950 m
Solai valley, 22.5 km N Nakuru (see also: Nakuru, 22.5 km N)	Kenya		0° 03' 00" N 36° 09' 00" E	1950 m
Barberton Farm, 20 mi [=32 km] SW Kitale (see also: Barberton Cave, Kitale, 20 mi [=32 km] SW, Renishaw, Renshaw Barberton Farm)	Kenya		0° 45' 00" N 34° 45' 00" E	1951 m
Elgon caves (see Mount Elgon Caves)	Kenya		0° 52' 00" N 34° 27' 00" E	1951 m
Elgon Forest	Kenya		0° 58' 00" N 34° 40' 00" E	1951 m
Ginir, 30 mi [=48 km] N	Ethiopia		7° 06' 00" N 40° 39' 00" E	1951 m
Ginir, 49 km N	Ethiopia		7° 06' 00" N 40° 40' 00" E	1951 m
Kipsain river	Kenya		1° 07' 00" N 35° 06' 00" E	1951 m
Kitale, 20 mi [=32 km] S	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	1951 m
Mount Elgon Caves (see also: Elgon caves)	Kenya		0° 52' 00" N 34° 27' 00" E	1951 m
Saboti (see Saboti African Centre)	Kenya		0° 56' 00" N 34° 50' 00" E	1951 m
Saboti African Centre (see also: Saboti)	Kenya		0° 56' 00" N 34° 50' 00" E	1951 m
Saboti caves, S side Mount Elgon	Kenya		1° 07' 00" N 34° 35' 00" E	1951 m
Saboti, 3 mi [=4.8 km] SE	Kenya		0° 52' 59" N 34° 49' 59" E	1951 m
Nakuru	Kenya		0° 17' 00" S 36° 04' 00" E	1952 m
Kayanza	Burundi		2° 55' 20" S 29° 37' 20" E	1957 m
Elmenteita, 3 km N, 14 km E (see Gilgil)	Kenya		0° 29' 23" S 36° 18' 43" E	1962 m
Gilgil, 3 km N, 14 km E Elmenteita (see also: Elmenteita, 3 km N, 14 km E)	Kenya		0° 29' 23" S 36° 18' 43" E	1962 m
Dullstroom Town	South Africa		25° 25' 00" S 30° 07' 00" E	1964 m
Kiriri	Kenya		1° 12' 00" S 36° 34' 00" E	1971 m
Kampi ya Moto (railroad station) (see also: Kammya Moto)	Kenya		0° 08' 00" S 35° 56' 00" E	1980 m
Koru	Kenya		0° 11' 00" S 35° 16' 00" E	1980 m
Addis Ababa, 24 km E (see Shoa)	Ethiopia		9° 00' 00" N 39° 00' 00" E	1981 m
Central Elgon, 21 mi [=34 km] from Kitale (see also: Kitale, 21 mi [=34 km] from)	Kenya		1° 05' 00" N 34° 45' 00" E	1981 m
Elmenteita, near	Kenya		0° 29' 00" S 36° 09' 00" E	1981 m
Jebel Goumia, 45 mi [=72 km] SSW Torit	South Sudan		4° 05' 00" N 32° 36' 00" E	1981 m
Kapolet River, Cherangani, 7	Kenya		1° 08' 00" N 35° 09' 00" E	1981 m
Kitale, 21 mi [=34 km] from (see Central Elgon)	Kenya		1° 05' 00" N 34° 45' 00" E	1981 m
Nagichot, 100 mi E Torit (see also: Nagishot, Naqishot, Torit, 100 mi [=160 km] E)	South Sudan		4° 16' 38" N 33° 33' 35" E	1981 m
Nagishot (see Nagichot), 100 mi E Torit	South Sudan		4° 16' 38" N 33° 33' 35" E	1981 m
Nakuru, near	Kenya		0° 17' 00" S 36° 04' 00" E	1981 m
Naqishot (see Nagichot), 100 mi E Torit	South Sudan		4° 16' 38" N 33° 33' 35" E	1981 m

North Cherangani	Kenya		1° 00' 00" N 35° 14' 00" E	1981 m
Schoa (see Shoa)	Ethiopia		9° 00' 00" N 39° 00' 00" E	1981 m
Shoa (see also: Addis Ababa, 24 km E, Schoa)	Ethiopia	ca.	9° 00' 00" N 39° 00' 00" E	1981 m
Torit, 100 mi [=160 km] E (see Nagichot)	South Sudan		4° 16' 38" N 33° 33' 35" E	1981 m
Ngore Ngore	Kenya		1° 02' 00" S 35° 30' 00" E	1982 m
Addi Ugri (see Mendefera)	Eritrea		14° 53' 08" N 38° 48' 59" E	1986 m
Adi Ugri (see Mendefera)	Eritrea		14° 53' 08" N 38° 48' 59" E	1986 m
Adi Wegri (see Mendefera)	Eritrea		14° 53' 08" N 38° 48' 59" E	1986 m
Kenya, mount, 37 km W (see Nanyuki)	Kenya		0° 01' 00" N 37° 04' 00" E	1986 m
Mendefera (see also: Addi Ugri, Adi Ugri, Adi Wegri)	Eritrea		14° 53' 08" N 38° 48' 59" E	1986 m
Mount Kenya, 37 km W (see Nanyuki)	Kenya		0° 01' 00" N 37° 04' 00" E	1986 m
Nanguki (see Nanyuki), 37 km W of Mt. Kenya	Kenya		0° 01' 00" N 37° 04' 00" E	1986 m
Nanyuki, 37 km W of Mt. Kenya (see also: Kenya, mount, 37 km W, Mount Kenya, 37 km W, Nanguki)	Kenya		0° 01' 00" N 37° 04' 00" E	1986 m
Markwijit (see Morkwijit)	Kenya		1° 12' 00" N 35° 05' 00" E	1996 m
Morkwijit (see also: Markwijit, Nakwajit)	Kenya		1° 12' 00" N 35° 05' 00" E	1996 m
Nakwajit (see Morkwijit)	Kenya		1° 12' 00" N 35° 05' 00" E	1996 m
Suni, northern Sudan, Jebel Marra	Sudan		13° 02' 00" N 24° 25' 00" E	1999 m
Alamaya (see Alem Maya)	Ethiopia		9° 23' 41" N 42° 00' 47" E	2000 m
Alem Maya (see also: Alamaya, Alemay, Alemaya)	Ethiopia		9° 23' 41" N 42° 00' 47" E	2000 m
Alemay (see Alem Maya)	Ethiopia		9° 23' 41" N 42° 00' 47" E	2000 m
Alemaya (see Alem Maya)	Ethiopia		9° 23' 41" N 42° 00' 47" E	2000 m
Chome Forest Reserve, 3 km E, 0.7 km N Mhero (see also: Mhero, 3 km E, 0.7 km N, South Pare Mountains)	Tanzania		4° 18' 00" S 37° 58' 00" E	2000 m
Mhero, 3 km E, 0.7 km N (see Chome Forest Reserve)	Tanzania		4° 18' 00" S 37° 58' 00" E	2000 m
Mount Elgon, S face	Kenya	ca.	0° 58' 00" N 34° 55' 00" E	2000 m
Ndi	Kenya		3° 14' 00" S 38° 30' 00" E	2000 m
Nyarutovu	Rwanda		2° 37' 00" S 29° 36' 00" E	2000 m
South Pare Mountains (see Chome Forest Reserve), 3 km E, 0.7 km N Mhero	Tanzania		4° 18' 00" S 37° 58' 00" E	2000 m

2001 - 2100 m:

Blukwa, West bank Lake Albert	Congo (Democratic Republic of the)		1° 45' 00" N 30° 36' 00" E	2001 m
Korovi, mount (see also: Mount Korovi)	Congo (Democratic Republic of the)		1° 39' 00" N 30° 36' 00" E	2010 m
Mount Korovi (see Korovi, mount)	Congo (Democratic Republic of the)		1° 39' 00" N 30° 36' 00" E	2010 m
Caves of Manandona, high on mountain side	Madagascar		20° 03' 00" S 47° 04' 00" E	2012 m
South Elgon	Kenya		1° 07' 00" N 34° 35' 00" E	2012 m
Rungwe Mountains, Mwatesi Stream	Tanzania		9° 08' 00" S 33° 40' 00" E	2015 m
North Nandi Forest	Kenya		0° 20' 00" N 34° 58' 00" E	ca. 2018 m
Kapsowar (see also: Kapsowat, Marakwet)	Kenya		0° 59' 00" N 35° 34' 00" E	2019 m
Kapsowat (see Kapsowar)	Kenya		0° 59' 00" N 35° 34' 00" E	2019 m
Marakwet (see Kapsowar)	Kenya		0° 59' 00" N 35° 34' 00" E	2019 m
Jara (see also: Jarra)	Ethiopia		7° 22' 00" N 40° 30' 00" E	2025 m
Jarra (see Jara)	Ethiopia		7° 22' 00" N 40° 30' 00" E	2025 m
Macalle (see Mek'ele)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Makale (see Mek'ele)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Makalle (see Mek'ele)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Maqale (see Mek'ele)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Maqalle (see Mek'ele)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Mek'ele (see also: Macalle, Makale, Makalle, Maqale, Maqalle)	Ethiopia		13° 29' 48" N 39° 28' 31" E	2036 m
Marakabei (see Marakabeis)	Lesotho		29° 32' 00" S 28° 09' 00" E	2040 m
Marakabeis (see also: Marakabei, Saint John Baptist)	Lesotho		29° 32' 00" S 28° 09' 00" E	2040 m
Saint John Baptist (see Marakabeis)	Lesotho		29° 32' 00" S 28° 09' 00" E	2040 m
Kitale, 25 mi [=40 km] NW	Kenya	ca.	1° 01' 00" N 35° 01' 00" E	2042 m
Mahoma river, cave near	Uganda		0° 21' 39" N 30° 00' 06" E	2042 m
Ualeita (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		6° 50' 00" N 37° 40' 00" E	2042 m
Uolamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia		6° 50' 00" N 37° 40' 00" E	2042 m

Uollamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia	6° 50' 00" N 37° 40' 00" E	2042 m
Walamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia	6° 50' 00" N 37° 40' 00" E	2042 m
Welamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia	6° 50' 00" N 37° 40' 00" E	2042 m
Welamo Awraja (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia	6° 50' 00" N 37° 40' 00" E	2042 m
Welayita Awraja, between Lakes Zwai and Margherita (see also: Ualeita, Uolamo, Uollamo, Walamo, Welamo, Welamo Awraja, Wolamo)	Ethiopia	6° 50' 00" N 37° 40' 00" E	2042 m
Wolamo (see Welayita Awraja), between Lakes Zwai and Margherita	Ethiopia	6° 50' 00" N 37° 40' 00" E	2042 m
Ghidole (see Gidole)	Ethiopia	5° 39' 00" N 37° 22' 00" E	2044 m
Ghidolie (see Gidole)	Ethiopia	5° 39' 00" N 37° 22' 00" E	2044 m
Gidole (see also: Afeworks Farm, Ghidole, Ghidolie, Gidole)	Ethiopia	5° 39' 00" N 37° 22' 00" E	2044 m
Gidole (see Gidole)	Ethiopia	5° 39' 00" N 37° 22' 00" E	2044 m
Kabale	Congo (Democratic Republic of the)	2° 29' 48" S 28° 47' 27" E	2044 m
Kabare	Congo (Democratic Republic of the)	2° 28' 00" S 28° 49' 00" E	2044 m
Colline Giserama (see Giserama, colline), Kibira National Park, Ndora Zone	Burundi	2° 50' 27" S 29° 25' 07" E	2045 m
Giserama, colline, Kibira National Park, Ndora Zone (see also: Colline Giserama, Kirumura, 1.1 - 2.1 km N, 0.8 - 1.1 km E)	Burundi	2° 50' 27" S 29° 25' 07" E	2045 m
Kirumura, 1.1 - 2.1 km N, 0.8 - 1.1 km E (see Giserama, colline), Kibira National Park, Ndora Zone	Burundi	2° 50' 27" S 29° 25' 07" E	2045 m
East Kyabe (see Kijabe)	Kenya	0° 56' 00" S 36° 34' 00" E	2049 m
Kijabe (see also: East Kyabe, Kyabe)	Kenya	0° 56' 00" S 36° 34' 00" E	2049 m
Kijabe	Kenya	0° 56' 00" S 36° 34' 00" E	2049 m
Kyabe (see Kijabe)	Kenya	0° 56' 00" S 36° 34' 00" E	2049 m
Beletta forest (see Belletta forest), 38 km SW Jimma	Ethiopia	7° 32' 00" N 36° 31' 00" E	2050 m
Belletta forest, 38 km SW Jimma (see also: Beletta forest, Bellista forest, Jimma, 38 km SW)	Ethiopia	7° 32' 00" N 36° 31' 00" E	2050 m
Bellista forest (see Belletta forest), 38 km SW Jimma	Ethiopia	7° 32' 00" N 36° 31' 00" E	2050 m
Jimma, 38 km SW (see Belletta forest)	Ethiopia	7° 32' 00" N 36° 31' 00" E	2050 m
Lumbwa (see also: Lumowa)	Kenya	0° 12' 00" S 35° 28' 00" E	2058 m
Lumowa (see Lumbwa)	Kenya	0° 12' 00" S 35° 28' 00" E	2058 m
Miki	Congo (Democratic Republic of the)	3° 23' 46" S 28° 41' 41" E	2060 m
Chitu (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Ghion (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Gion (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Giyon, 70 mi SW Addis Ababa on Addis Ababa/Jimma road (see also: Chitu, Ghion, Gion, Guyon, Ualiso, Uoliso, Uolisò, Waliso, Walliso, Walso, Weliso, Weliso, Welso, Woliso, Wolisso, Wolliso)	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Guyon (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Ualiso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Uoliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Uolisò (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Waliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Walliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Walso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Weliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Weliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m

Welso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Woliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Wolisso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Wolliso (see Giyon), 70 mi SW Addis Ababa on Addis Ababa/Jimma road	Ethiopia	8° 32' 00" N 37° 59' 00" E	2062 m
Colline Nyakibanda (see Nyakibanda)	Rwanda	2° 38' 00" S 29° 41' 00" E	2067 m
Nyakibanda (see also: Colline Nyakibanda)	Rwanda	2° 38' 00" S 29° 41' 00" E	2067 m
Makuto Mountains (see Makutu Mountains)	Zambia	10° 25' 00" S 33° 15' 00" E	2070 m
Makutu Mountains (see also: Makuto Mountains)	Zambia	10° 25' 00" S 33° 15' 00" E	2070 m
Kimilili, E face Mount Elgon (see also: Kimmilli)	Kenya	0° 47' 00" N 34° 43' 00" E	2073 m
Kimmilli (see Kimilili), E face Mount Elgon	Kenya	0° 47' 00" N 34° 43' 00" E	2073 m
Lemek hill	Kenya	1° 06' 00" S 35° 23' 00" E	2076 m
Masha	Rwanda	1° 35' 33" S 29° 19' 47" E	2085 m
Naivasha (see also: Naivasha Station)	Kenya	0° 43' 00" S 36° 26' 00" E	2085 m
Naivasha Station (see Naivasha)	Kenya	0° 43' 00" S 36° 26' 00" E	2085 m
Lulenga (see Rugari)	Congo (Democratic Republic of the)	1° 24' 47" S 29° 22' 23" E	2089 m
Rugari (see also: Lulenga)	Congo (Democratic Republic of the)	1° 24' 47" S 29° 22' 23" E	2089 m
Lady Grey, Klipkraal	South Africa	30° 42' 00" S 27° 14' 00" E	2091 m
Kericho	Kenya	0° 22' 00" S 35° 17' 00" E	2093 m
Afallo, 20 km NE (see Challa, mount)	Ethiopia	5° 23' 00" N 36° 34' 00" E	2100 m
Camp IV	Cameroon	6° 10' 00" N 10° 25' 00" E	2100 m
Chalia, mount (see Challa, mount), 20 km NE Afallo	Ethiopia	5° 23' 00" N 36° 34' 00" E	2100 m
Challa, mount, 20 km NE Afallo (see also: Afallo, 20 km NE, Chalia, mount, Gebel Challa, Mount Chalia, Mount Challa)	Ethiopia	5° 23' 00" N 36° 34' 00" E	2100 m
Debre Tabor, 7 km N, 10 km W (see Wereta-Weldiya road)	Ethiopia	11° 55' 00" N 37° 55' 00" E	2100 m
Gebel Challa (see Challa, mount), 20 km NE Afallo	Ethiopia	5° 23' 00" N 36° 34' 00" E	2100 m
Kunguë Hill summit, 0.5 km NW (see Nkungwe Hill summit, 0.5 km NW)	Tanzania	6° 06' 16" S 29° 46' 44" E	2100 m
Mount Chalia (see Challa, mount), 20 km NE Afallo	Ethiopia	5° 23' 00" N 36° 34' 00" E	2100 m
Mount Challa (see Challa, mount), 20 km NE Afallo	Ethiopia	5° 23' 00" N 36° 34' 00" E	2100 m
Nkungwe Hill summit, 0.5 km NW (see also: Kunguë Hill summit, 0.5 km NW, Kungwe Hille summit, 0.5 km NW)	Tanzania	6° 06' 16" S 29° 46' 44" E	2100 m
Wereta-Weldiya road, 7 km N, 10 km W Debre Tabor (see also: Debre Tabor, 7 km N, 10 km W)	Ethiopia	11° 55' 00" N 37° 55' 00" E	2100 m

2101 - 2200 m:

Afallo	Ethiopia	7° 41' 00" N 36° 20' 00" E	2101 m
Devil's cave	Kenya	0° 45' 00" N 34° 45' 00" E	2103 m
Mubuku - Mahoma River confluence, above, E slopes Rwenzori mountains	Uganda	0° 21' 50" N 29° 59' 53" E	2103 m
Rwintare (see also: Rwintare Mission)	Burundi	3° 30' 46" S 29° 39' 28" E	2111 m
Rwintare Mission (see Rwintare)	Burundi	3° 30' 46" S 29° 39' 28" E	2111 m
Belès (see Belesa)	Ethiopia	13° 50' 00" N 39° 36' 00" E	2112 m
Belesa (see also: Belès)	Ethiopia	13° 50' 00" N 39° 36' 00" E	2112 m
Rethy (see also: Reti, Retshi, Retsi, Rety)	Congo (Democratic Republic of the)	2° 05' 11" N 30° 53' 46" E	2116 m
Reti (see Rethy)	Congo (Democratic Republic of the)	2° 05' 11" N 30° 53' 46" E	2116 m
Retshi (see Rethy)	Congo (Democratic Republic of the)	2° 05' 11" N 30° 53' 46" E	2116 m
Retsi (see Rethy)	Congo (Democratic Republic of the)	2° 05' 11" N 30° 53' 46" E	2116 m
Rety (see Rethy)	Congo (Democratic Republic of the)	2° 05' 11" N 30° 53' 46" E	2116 m
Saganeiti (see Segheneyti)	Eritrea	15° 03' 10" N 39° 11' 14" E	2117 m
Seganeiti (see Segheneyti)	Eritrea	15° 03' 10" N 39° 11' 14" E	2117 m
Segeleyti (see Segheneyti)	Eritrea	15° 03' 10" N 39° 11' 14" E	2117 m
Segeneyti (see Segheneyti)	Eritrea	15° 03' 10" N 39° 11' 14" E	2117 m

Segheneyti (see also: Saganeiti, Seganeiti, Segeleyti, Segeneyti)	Eritrea		15° 03' 10" N 39° 11' 14" E	2117 m
Jiba	Congo (Democratic Republic of the)		1° 52' 00" N 30° 42' 00" E	2123 m
Baggyemdr province (see Gonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Begemdir province (see Gonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Gondar (see Gonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Gonder (see also: Baggyemdr province, Begemdir province, Gondar, Gwender, Gwonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Gwender (see Gonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Gwonder (see Gonder)	Ethiopia		12° 36' 00" N 37° 28' 00" E	2132 m
Endebess, 3 mi [=4.8 km] W	Kenya		1° 07' 01" N 34° 49' 01" E	2134 m
Kailpos Hill	Kenya		1° 12' 00" N 35° 08' 00" E	2134 m
Kitum Cave (see Kitum caves)	Kenya		1° 07' 00" N 34° 40' 00" E	2134 m
Kitum caves (see also: Kitum Cave)	Kenya		1° 07' 00" N 34° 40' 00" E	2134 m
Mount Kenya, W side (see also: Western Slope of Mount Kenya)	Kenya	ca.	0° 10' 00" S 37° 20' 00" E	2134 m
Subukia, near Mount Merengai	Kenya		0° 10' 00" S 36° 11' 00" E	2134 m
Danghel (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Danghila (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Danghilla (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Dangila, 40 mi south Lake Tana (see also: Danghel, Danghila, Danghilla, Dangla, Dangla, Dungoler, Tana, 70 mi [=113 km] S Lake)	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Dangla (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Dangla (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Dungoler (see Dangila), 40 mi south Lake Tana	Ethiopia		11° 16' 00" N 36° 50' 00" E	2136 m
Akesum (see Aksum)	Ethiopia		14° 07' 28" N 38° 43' 28" E	2139 m
Aksum (see also: Akesum, Axum)	Ethiopia		14° 07' 28" N 38° 43' 28" E	2139 m
Axum (see Aksum)	Ethiopia		14° 07' 28" N 38° 43' 28" E	2139 m
Gargues, mount [summit] (see also: Mount Gargues)	Kenya		0° 57' 00" N 37° 24' 00" E	2164 m
Mount Gargues (see Gargues, mount [summit])	Kenya		0° 57' 00" N 37° 24' 00" E	2164 m
Satema, 1.5 km N, 0.5 km W	Ethiopia			2165 m
Ruhinga Hill	Burundi		3° 55' 13" S 29° 35' 18" E	2170 m
Glen Reenen, Golden Gate	South Africa		28° 31' 00" S 28° 37' 00" E	2175 m
Kinigi	Rwanda		1° 27' 00" S 29° 34' 00" E	2179 m
Tora	Burundi		3° 41' 15" S 29° 33' 40" E	2186 m
Mount Suswa cave (see Mount Londiani), 35 mi [= 55 km] WNW Nairobi (see also: Nairobi, 35 mi [= 55 km] WNW)	Kenya		1° 09' 00" S 36° 21' 00" E	2195 m
Nairobi, 35 mi [= 55 km] WNW (see Mount Suswa cave)	Kenya		1° 09' 00" S 36° 21' 00" E	2195 m
Lobango (see also: Lubango)	Congo (Democratic Republic of the)		0° 19' 00" S 29° 13' 00" E	2197 m
Lubango (see Lobango)	Congo (Democratic Republic of the)		0° 19' 00" S 29° 13' 00" E	2197 m
Gatamayu, 2.5 km N, 0.5 km W	Kenya		0° 58' 13" S 36° 41' 47" E	2200 m
Mbizi Forest Reserve, 0.5 km N, 4 km E Wipanga (see also: Wipanga, 0.5 km N, 4 km E)	Tanzania		7° 52' 00" S 31° 40' 00" E	2200 m
Pelaneng River, along	Lesotho		29° 03' 00" S 28° 28' 00" E	2200 m
Wipanga, 0.5 km N, 4 km E (see Mbizi Forest Reserve)	Tanzania		7° 52' 00" S 31° 40' 00" E	2200 m

2201 - 2300 m:

Masha	Ethiopia		7° 44' 00" N 35° 29' 00" E	2222 m
Njoro, 3 mi [=4.8 km] W	Kenya		0° 20' 00" S 35° 54' 00" E	2225 m
Zovo Chipolo Forest	Malawi		10° 34' 51" S 33° 42' 46" E	2230 m
Blukwa, 10 km E (see Wago, mount)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 40' 00" E	2240 m
Limuru	Kenya		1° 06' 00" S 36° 39' 00" E	2240 m
Mount Wago (see Wago, mount)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 40' 00" E	2240 m
Wago, mount, 10 km E Blukwa (see also: Blukwa, 10 km E, Mount Wago, Wasa Wago, mount)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 40' 00" E	2240 m
Wasa Wago, mount (see Wago, mount)	Congo (Democratic Republic of the)		1° 45' 00" N 30° 40' 00" E	2240 m
Ksar Tamtettouchet (see Tamtetoucht)	Morocco		31° 40' 12" N 5° 31' 48" W	2247 m
Tamtattoucht (see Tamtetoucht)	Morocco		31° 40' 12" N 5° 31' 48" W	2247 m
Tamtattouchte (see Tamtetoucht)	Morocco		31° 40' 12" N 5° 31' 48" W	2247 m

Tamtetoucht (see also: Ksar Tamtettouchet, Tamtattoucht, Tamtattouchte)	Morocco		31° 40' 12" N 5° 31' 48" W	2247 m
Kaibibich	Kenya		1° 12' 12" N 35° 17' 05" E	2250 m
Liqhobong	Lesotho		28° 57' 59" S 28° 35' 16" E	2250 m
Lemera	Congo (Democratic Republic of the)		2° 08' 08" S 28° 49' 41" E	2281 m
Old Kalonge (see Ugongo)	Congo (Democratic Republic of the)		0° 20' 00" N 29° 49' 00" E	2285 m
Ugongo (see also: Old Kalonge)	Congo (Democratic Republic of the)		0° 20' 00" N 29° 49' 00" E	2285 m
Asmara, 8 mi [=13 km] SW (see Sembel)	Eritrea	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
Asmera, 8 mi [=13 km] SW (see Sembel)	Eritrea	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
Bahati Policepost (see Bahati Settlement), near Nakuru	Kenya		0° 09' 00" S 36° 07' 00" E	2286 m
Bahati Settlement, near Nakuru (see also: Bahati Policepost)	Kenya		0° 09' 00" S 36° 07' 00" E	2286 m
Buhatu valley (see Butahu valley, cave), W slope of Mount Ruwenzori	Congo (Democratic Republic of the)	ca.	0° 19' 35" N 29° 49' 20" E	2286 m
Butagu valley (see Butahu valley, cave), W Ruwenzori	Congo (Democratic Republic of the)	ca.	0° 19' 35" N 29° 49' 20" E	2286 m
Butahu valley, cave, W Ruwenzori (see also: Buhatu valley, Butagu valley, Butatu valley, Butawu valley)	Congo (Democratic Republic of the)	ca.	0° 19' 35" N 29° 49' 20" E	2286 m
Butatu valley (see Butahu valley, cave)	Congo (Democratic Republic of the)	ca.	0° 19' 35" N 29° 49' 20" E	2286 m
Butawu valley (see Butahu valley, cave)	Congo (Democratic Republic of the)	ca.	0° 19' 35" N 29° 49' 20" E	2286 m
Luhiza Mine (see Ruhizha wolfram mine)	Uganda		1° 01' 53" S 29° 46' 42" E	2286 m
Maran river (see Marun river)	Kenya		1° 37' 08" N 35° 32' 35" E	2286 m
Marun river (see also: Maran river, Morun river, Orano river, Panyaret river)	Kenya		1° 37' 08" N 35° 32' 35" E	2286 m
Mau Forest, 20 mi [=32 km] W Nakuru (see also: Nakuru, 20 mi [=32 km] W, Njoro river (2))	Kenya		0° 36' 45" S 35° 44' 24" E	2286 m
Morun river (see Marun river)	Kenya		1° 37' 08" N 35° 32' 35" E	2286 m
Njoro, Nakuru	Kenya		0° 19' 00" N 36° 06' 00" E	2286 m
Njoro river (2) (see Mau Forest), 20 mi [=32 km] W Nakuru	Kenya	ca.	0° 36' 45" S 35° 44' 24" E	2286 m
Orano river (see Marun river)	Kenya		1° 37' 08" N 35° 32' 35" E	2286 m
Panyaret river (see Marun river)	Kenya		1° 37' 08" N 35° 32' 35" E	2286 m
Ruwenzori SE	Congo (Democratic Republic of the)	ca.	0° 30' 00" N 29° 50' 00" E	2286 m
Sembel, 8 mi [=13 km] SW Asmara (see also: Asmara, 8 mi [=13 km] SW, Asmera, 8 mi [=13 km] SW)	Eritrea	ca.	15° 18' 50" N 38° 53' 45" E	2286 m
Tangasha River (see Tangasia River)	Kenya		1° 14' 00" N 35° 23' 00" E	2286 m
Tangasia River (see also: Tangasha River)	Kenya		1° 14' 00" N 35° 23' 00" E	2286 m
Byumba	Rwanda		1° 34' 35" S 30° 04' 03" E	2300 m
Chelinda (see also: Chilinda Camp)	Malawi		10° 35' 00" S 33° 48' 00" E	2300 m
Chilinda Camp (see Chelinda)	Malawi		10° 35' 00" S 33° 48' 00" E	2300 m
Gangirwal (see also: Ouadé, Djabal, Waddi Chappal)	Nigeria	ca.	7° 07' 00" N 11° 42' 00" E	2300 m
Grotte de Shimo Kapseta (see Shimo Kapseta cave)	Kenya	ca.	1° 05' 00" N 34° 45' 00" E	2300 m
Kapseta (see Shimo Kapseta cave)	Kenya	ca.	1° 05' 00" N 34° 45' 00" E	2300 m
Nganda, E slope of mount	Malawi		10° 27' 00" S 33° 52' 00" E	2300 m
Shimo Kapseta cave (see also: Grotte de Shimo Kapseta, Kapseta)	Kenya	ca.	1° 05' 00" N 34° 45' 00" E	2300 m

2301 - 2400 m:

Kayanza, 15 km W (see Rwegura)	Burundi		2° 55' 05" S 29° 31' 10" E	2311 m
Rwegura (see also: Kayanza, 15 km W)	Burundi		2° 55' 00" S 29° 31' 10" E	2311 m
Gisovu	Rwanda		2° 15' 17" S 29° 20' 13" E	2335 m
Kanzenze	Congo (Democratic Republic of the)		1° 23' 02" S 29° 12' 51" E	2343 m
Molo, 4 mi [=6.4 km] E	Kenya		0° 13' 59" S 35° 45' 00" E	2347 m
Kaulime, lake (see Lake Kaulime)	Malawi		10° 34' 38" S 33° 45' 35" E	2350 m
Lake Kaulime (see also: Kaulime, lake)	Malawi		10° 34' 38" S 33° 45' 35" E	2350 m
Addis Ababa (see Adis Abeba)	Ethiopia		9° 02' 00" N 38° 42' 00" E	2362 m
Addis Abbaba (see Adis Abeba)	Ethiopia		9° 02' 00" N 38° 42' 00" E	2362 m

Addis Abeba (see Adis Abeba)	Ethiopia		9° 02' 00" N 38° 42' 00" E	2362 m
Adis Abeba (see also: Addis Ababa, Addis Abbaba, Addis Abeba)	Ethiopia		9° 02' 00" N 38° 42' 00" E	2362 m
Asmara (see Asmera)	Eritrea		15° 20' 00" N 38° 56' 00" E	2363 m
Asmera (see also: Asmara)	Eritrea		15° 20' 00" N 38° 56' 00" E	2363 m
Mutura	Rwanda		1° 35' 56" S 29° 22' 56" E	2370 m
Asmara, 10 km NW (see Sciumagalle Mine)	Eritrea		15° 23' 00" N 38° 51' 00" E	2371 m
Asmera, 10 km NW (see Sciumagalle Mine)	Eritrea		15° 23' 00" N 38° 51' 00" E	2371 m
Sciumagalle Mine, 10 km NW Asmara (see also: Asmara, 10 km NW, Asmera, 10 km NW)	Eritrea		15° 23' 00" N 38° 51' 00" E	2371 m
Echuya Forest Reserve	Uganda		1° 18' 00" S 29° 50' 00" E	2380 m
Addi Caieh (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Addicaiè (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Caie (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Caieh (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Kaie (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keih (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keyeh (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi Keyh (see also: Addi Caieh, Addicaiè, Adi Caie, Adi Caieh, Adi Kaie, Adi Keih, Adi Keyeh, Adi K'eyih)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Adi K'eyih (see Adi Keyh)	Eritrea		14° 50' 40" N 39° 22' 24" E	2396 m
Kayonza	Rwanda		1° 56' 44" S 30° 31' 13" E	2400 m

2401 - 2500 m:

Chepnyalil Cave	Kenya		1° 03' 39" N 34° 45' 30" E	2419 m
Kapchorwa (see also: Sabei, Sebei)	Uganda		1° 22' 58" N 34° 31' 28" E	2419 m
Sabei (see Kapchorwa)	Uganda		1° 22' 58" N 34° 31' 28" E	2419 m
Sebei (see Kapchorwa)	Uganda		1° 22' 58" N 34° 31' 28" E	2419 m
Labibela (see Lalibela)	Ethiopia		12° 02' 00" N 39° 02' 00" E	2427 m
Lalibala (see Lalibela)	Ethiopia		12° 02' 00" N 39° 02' 00" E	2427 m
Lalibela (see also: Labibela, Lalibala, Lalibela)	Ethiopia		12° 02' 00" N 39° 02' 00" E	2427 m
Lalibela (see Lalibela)	Ethiopia		12° 02' 00" N 39° 02' 00" E	2427 m
Asala (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Asela (see also: Asala, Asella, Aselle, Assela, Assele, Asselle)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Asella (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Aselle (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Assela (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Assele (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Asselle (see Asela)	Ethiopia		7° 57' 00" N 39° 08' 00" E	2430 m
Addis Ababa, ca 40 mi [=64 km] W (see Djem-djem Forest)	Ethiopia		8° 58' 00" N 38° 09' 00" E	2438 m
Asmara, 6 mi [=10 km] W (see Asmera, 6 mi [=10 km] W)	Eritrea	ca.	15° 20' 00" N 38° 51' 00" E	2438 m
Asmera, 6 mi [=10 km] W (see also: Asmara, 6 mi [=10 km] W)	Eritrea	ca.	15° 20' 00" N 38° 51' 00" E	2438 m
Djem-djem Forest, ca 40 mi [=64 km] W Addis Ababa (see also: Addis Ababa, ca 40 mi [=64 km] W)	Ethiopia		8° 58' 00" N 38° 09' 00" E	2438 m
Ruhiza (see also: Ruhizha)	Togo		1° 02' 42" S 29° 46' 57" E	2438 m
Ruhizha (see Ruhiza)	Togo		1° 02' 42" S 29° 46' 57" E	2438 m
South Kinangop plateau	Kenya		0° 43' 51" S 36° 39' 33" E	2438 m
Kabobo, mount (see also: Mount Kabobo)	Congo (Democratic Republic of the)		5° 04' 00" S 29° 00' 00" E	2440 m
Londiani	Kenya		0° 10' 00" S 35° 36' 00" E	2440 m
Mount Kabobo (see Kabobo, mount)	Congo (Democratic Republic of the)		5° 04' 00" S 29° 00' 00" E	2440 m
Dabra Marko's, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Dabra Marko's, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Dabra-Marqos, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Debra Marcos, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Debra Markos, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Debre Marcos, near (see Debre Mark'os, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m
Debre Mark'os, near (see also: Dabra Marko's, near, Dabra Marko's, near, Dabra-Marqos, near, Debra Marcos, near, Debra Markos, near, Debre Marcos, near, Moncorer, near, Monkorer, near)	Ethiopia		10° 21' 00" N 37° 44' 00" E	2446 m

Moncorer, near (see Debre Mark'os, near)	Ethiopia	10° 21' 00" N 37° 44' 00" E	2446 m
Monkorer, near (see Debre Mark'os, near)	Ethiopia	10° 21' 00" N 37° 44' 00" E	2446 m
Kalonge, W Ruwenzori	Congo (Democratic Republic of the)	0° 20' 00" N 29° 48' 00" E	2455 m
Let Marafi (see Let Marefiya)	Ethiopia	9° 38' 00" N 39° 45' 00" E	2467 m
Let Marafia (see Let Marefiya)	Ethiopia	9° 38' 00" N 39° 45' 00" E	2467 m
Let Marafiya (see Let Marefiya)	Ethiopia	9° 38' 00" N 39° 45' 00" E	2467 m
Let Marefia (see Let Marefiya)	Ethiopia	9° 38' 00" N 39° 45' 00" E	2467 m
Let Marefiya (see also: Let Marafi, Let Marafia, Let Marafiya, Let Marefia)	Ethiopia	9° 38' 00" N 39° 45' 00" E	2467 m
Forêt Naturelle de Nyungwe (see Nyungwe Forest Reserve)	Rwanda	2° 31' 13" S 29° 18' 15" E	2500 m
Nyungwe Forest Reserve (see also: Forêt Naturelle de Nyungwe)	Rwanda	2° 31' 13" S 29° 18' 15" E	2500 m
Sabeta	Ethiopia	8° 55' 00" N 38° 40' 00" E	2500 m

2501 - 2600 m:

Cofole (see Kofele)	Ethiopia	7° 04' 00" N 38° 47' 00" E	2505 m
Kefole (see Kofele)	Ethiopia	7° 04' 00" N 38° 47' 00" E	2505 m
Kofale (see Kofele)	Ethiopia	7° 04' 00" N 38° 47' 00" E	2505 m
Kofele (see also: Cofole, Kefole, Kofale, Koffolé)	Ethiopia	7° 04' 00" N 38° 47' 00" E	2505 m
Koffolé (see Kofele)	Ethiopia	7° 04' 00" N 38° 47' 00" E	2505 m
Uwinka	Rwanda	2° 28' 00" S 29° 12' 00" E	2512 m
Kipkabus	Kenya	0° 18' 00" N 35° 30' 00" E	2543 m
Korem (see Koreme)	Ethiopia	9° 18' 53" N 41° 38' 34" E	2556 m
Koreme (see also: Korem, Koreme)	Ethiopia	9° 18' 53" N 41° 38' 34" E	2556 m
Koreme (see Koreme)	Ethiopia	9° 18' 53" N 41° 38' 34" E	2556 m
Mount Kahuzi, W slope	Congo (Democratic Republic of the)	2° 12' 07" S 28° 40' 24" E	2560 m
Nyamugari hill	Burundi	3° 18' 00" S 29° 45' 00" E	2590 m

2601 - 2700 m:

Kasese, 40 km from (see Nyabirongo)	Uganda	0° 03' 29" N 29° 57' 11" E	2667 m
Nyabirongo, 40 km from Kasese (see also: Kasese, 40 km from)	Uganda	0° 03' 29" N 29° 57' 11" E	2667 m
Nyabitaba Hut	Uganda	0° 21' 26" N 29° 58' 31" E	2667 m
Lemera, SW of	Congo (Democratic Republic of the)	ca. 2° 10' 00" S 28° 50' 00" E	2682 m

2701 - 2800 m:

Harenna Forest	Ethiopia	6° 45' 00" N 39° 44' 00" E	2760 m
Torat	Ethiopia	13° 20' 00" N 37° 23' 00" E	2773 m
Sehlabathebe National Park, small dam	Lesotho	29° 52' 00" S 29° 05' 00" E	2795 m
Songimvelo Nature Reserve, Berberton mountains	South Africa	26° 00' 25" S 30° 55' 20" E	2800 m

2901 - 3000 m:

Chercha, 8 km S (see Dorse)	Ethiopia	6° 16' 00" N 37° 33' 00" E	2923 m
Dorse, 8 km S of Chercha (see also: Chercha, 8 km S, Dorsey)	Ethiopia	6° 16' 00" N 37° 33' 00" E	2923 m
Dorsey (see Dorse), 8 km S of Chercha	Ethiopia	6° 16' 00" N 37° 33' 00" E	2923 m

3001 - 3100 m:

Kakondo, near SW shore of Lake Kivu	Congo (Democratic Republic of the)	2° 15' 00" S 28° 42' 00" E	3051 m

3301 - 3400 m:

Kromdraai Gold Mine	South Africa	26° 00' 21" S 27° 46' 06" E	3305 m
John Mate Camp	Uganda	0° 23' 00" N 29° 56' 00" E	3368 m

3801 - 3900 m:

Abune Yosef (see also: Abune Yosef)	Ethiopia	12° 07' 00" N 39° 10' 00" E	3842 m
Abune Yosef (see Abune Yosef)	Ethiopia	12° 07' 00" N 39° 10' 00" E	3842 m

3901 - 4000 m:

Mobuka Valley (see Mubuku Valley), Ruwenzori East	Uganda	0° 11' 00" N 30° 14' 00" E	3962 m
Mobuku Valley (see Mubuku Valley), Ruwenzori East	Uganda	0° 11' 00" N 30° 14' 00" E	3962 m
Mubuku Valley, Ruwenzori East (see also: Mobuka Valley, Mobuku Valley)	Uganda	0° 11' 00" N 30° 14' 00" E	3962 m

4201 - 4300 m:

Vumba, near Manica	Mozambique	19° 02' 00" S 32° 58' 00" E	4300 m